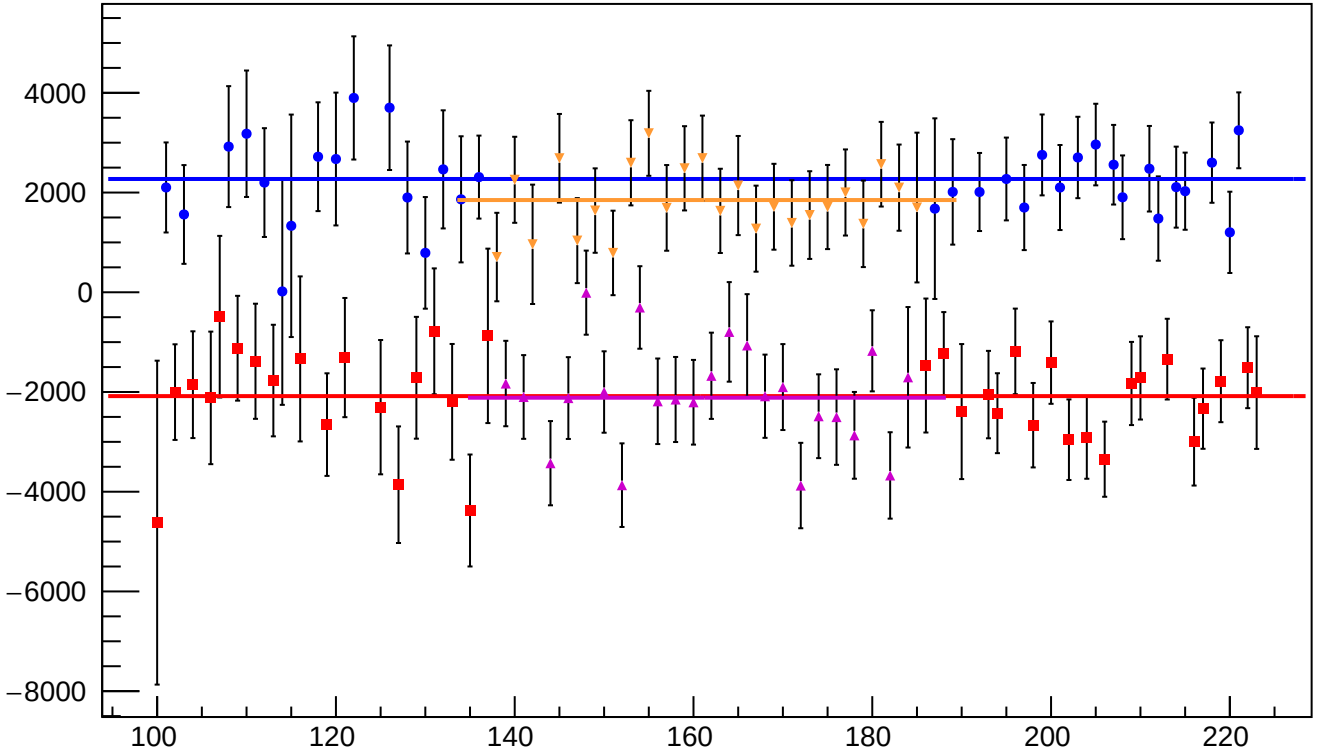
reg_asym_us_avg_mean vs Slug



Right In: 2272.177+/-164.171 χ^2/NDF: 14.9/33

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

Right Out: -2082.598+/-163.742 χ^2/NDF: 23.6/36

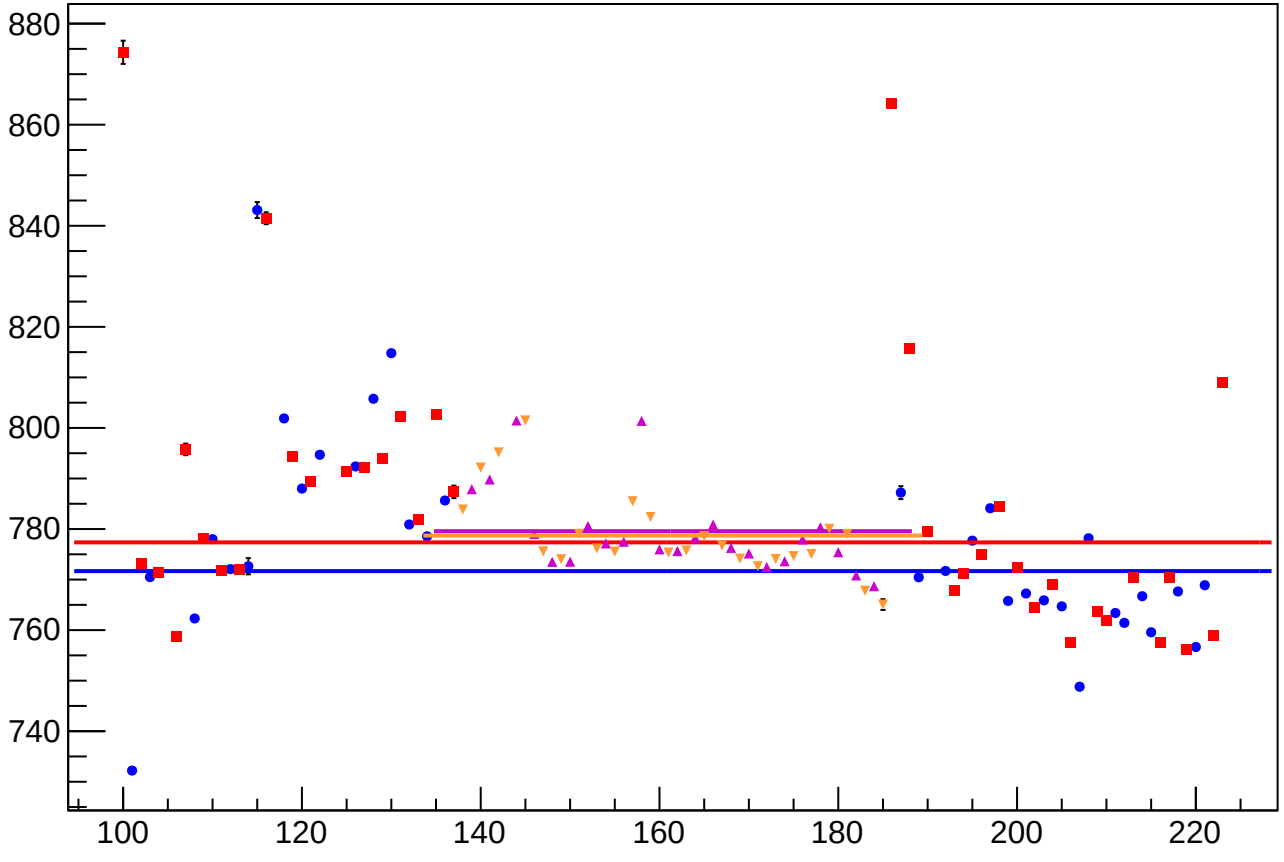
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2081.137+/-121.523 χ^2/NDF: 30.7/57

All: -4.187+/-86.005 χ^2/NDF: 675.4/117

- sign -2096.840+/-121.736 χ^2/NDF: 54.7/59

reg_asym_us_avg_rms vs Slug



Right In: 771.677+/-0.116 χ^2/NDF: 19325.0/33

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

Right Out: 777.360+/-0.116 χ^2/NDF: 30924.2/36

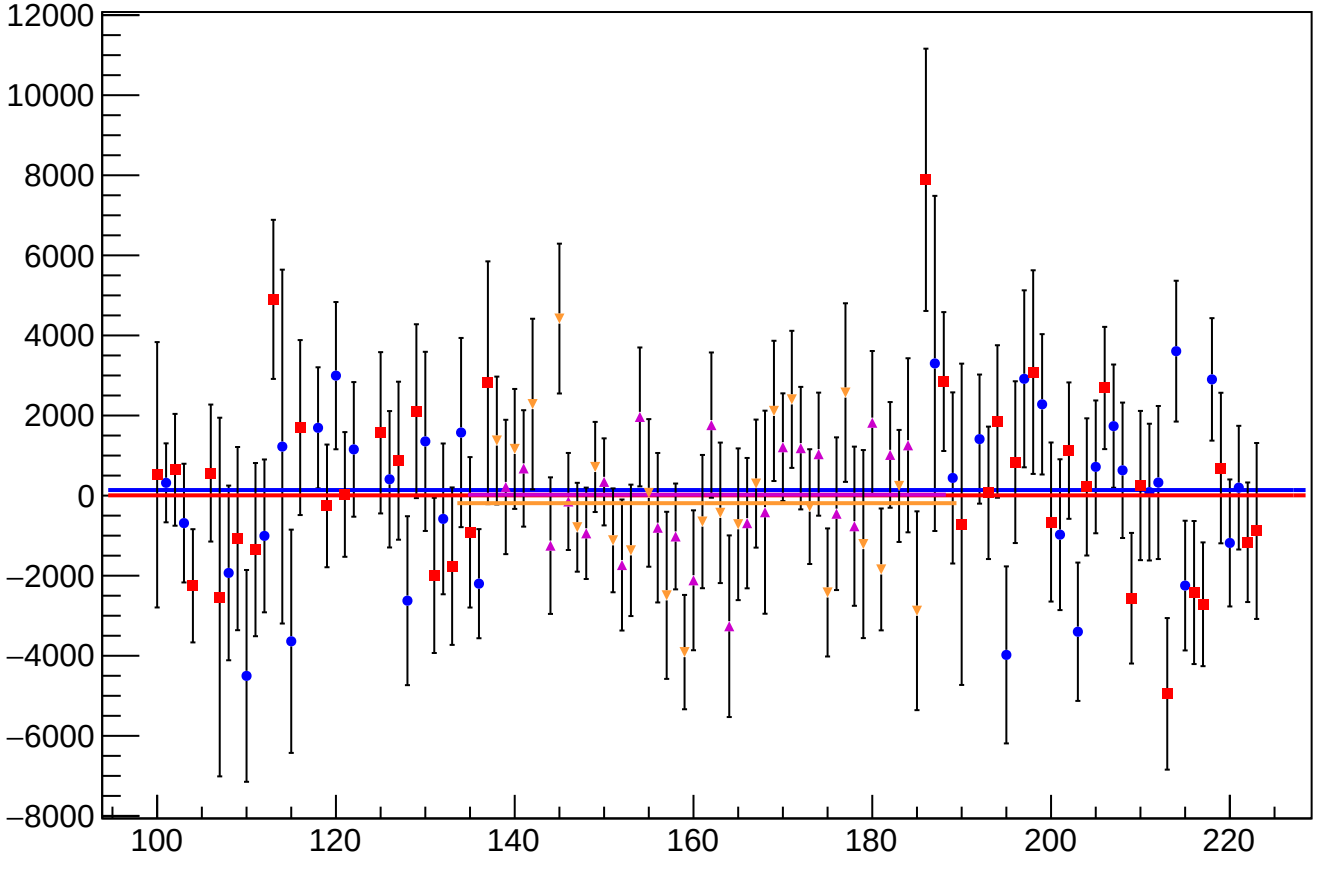
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 774.856+/-0.086 χ^2/NDF: 24373.2/57

All: 776.600+/-0.061 χ^2/NDF: 60459.6/117

- sign 778.351+/-0.086 χ^2/NDF: 35260.7/59

asym_us_avg_reg_correction_mean vs Slug



Right In: 138.957+/-303.438 χ^2/NDF: 39.5/33

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

Right Out: 6.285+/-310.913 χ^2/NDF: 45.2/36

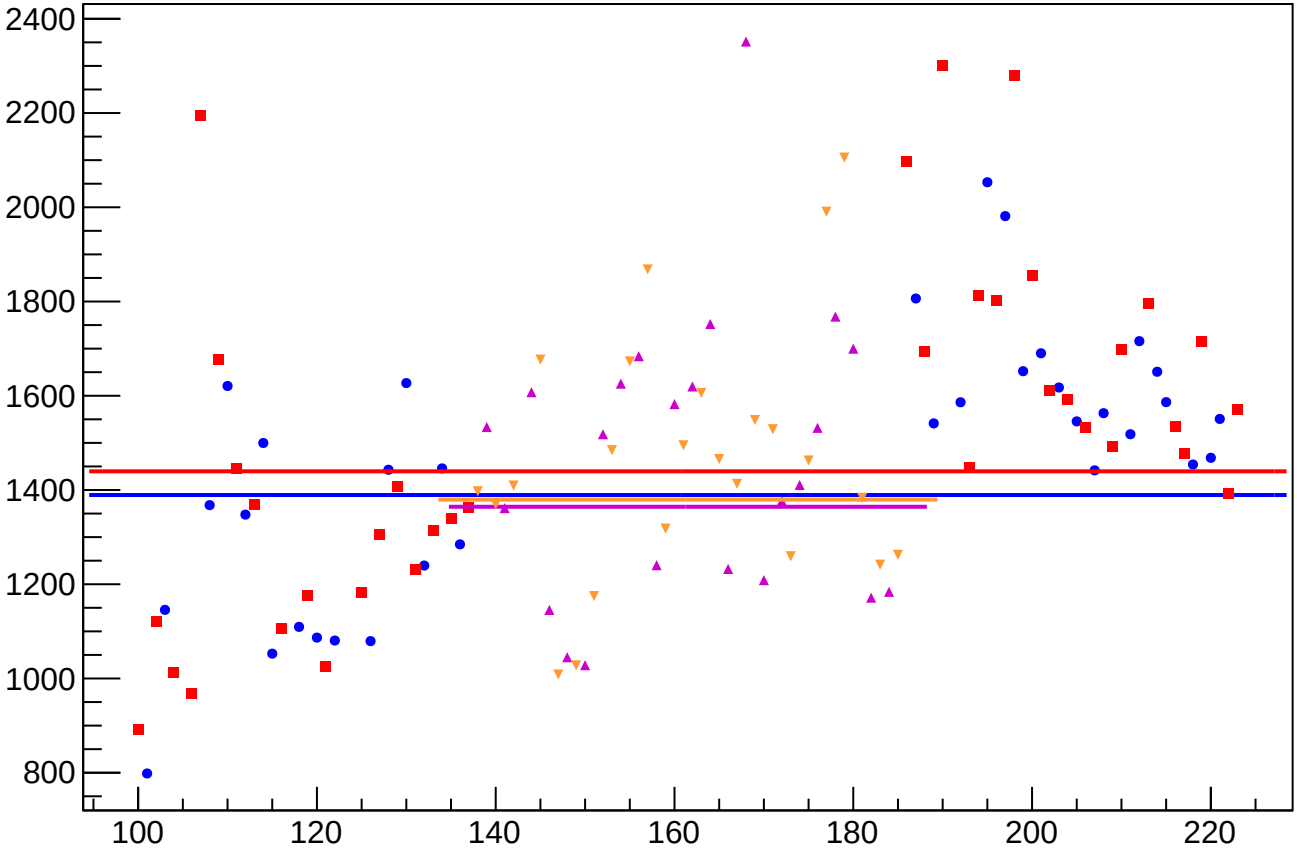
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -12.448+/-222.639 χ^2/NDF: 69.7/57

All: 0.942+/-158.233 χ^2/NDF: 128.3/117

- sign 14.609+/-224.930 χ^2/NDF: 58.6/59

asym_us_avg_reg_correction_rms vs Slug



Right In: 1389.373+/-0.215 χ^2/NDF: 1854857.3/33

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

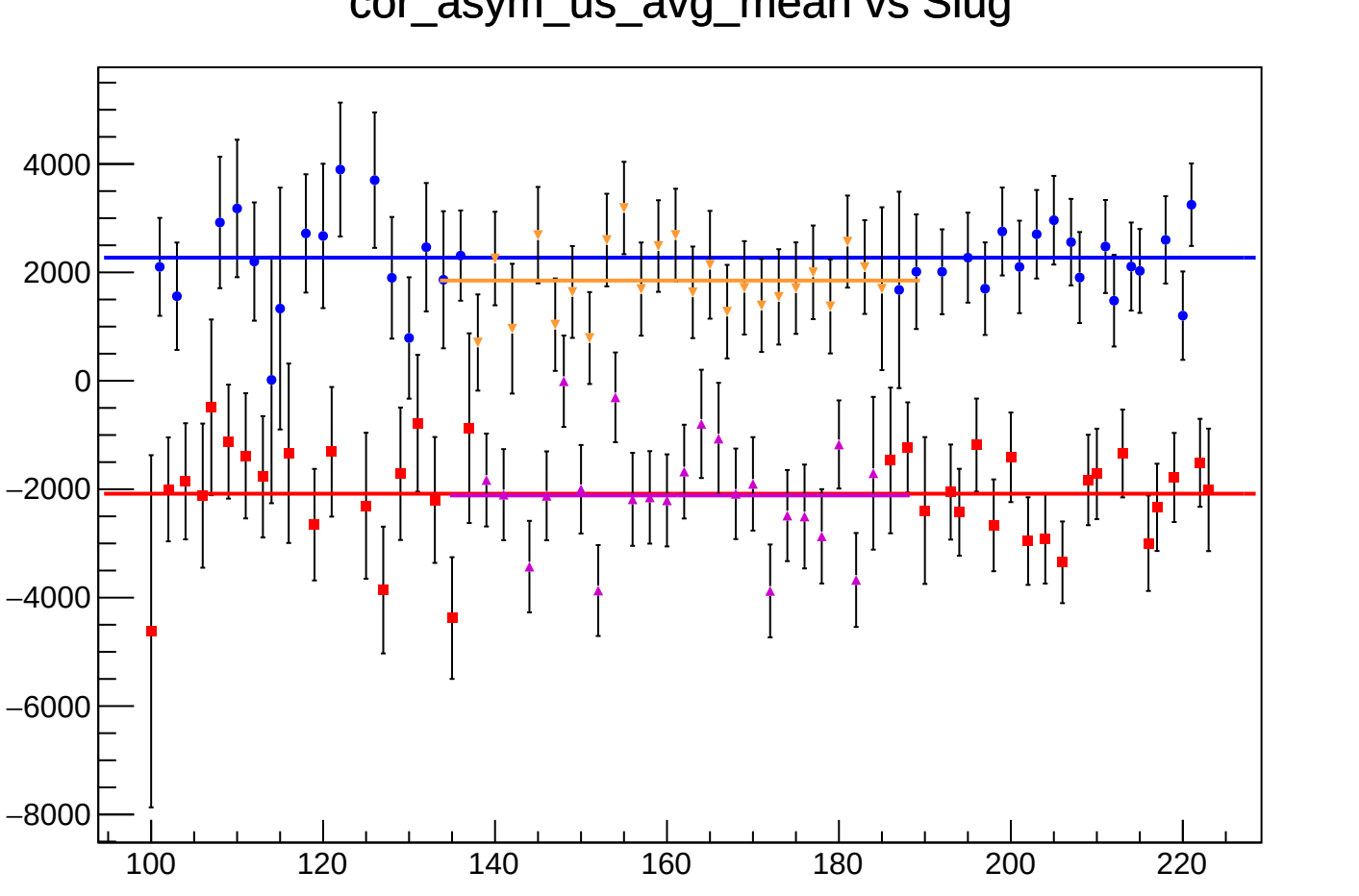
Right Out: 1439.660+/-0.220 χ^2/NDF: 1779556.6/36

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

+ sign 1384.832+/-0.157 χ^2/NDF: 3014296.2/57

All: 1394.217+/-0.112 χ^2/NDF: 6169169.5/11

- sign 1403.796+/-0.159 χ^2/NDF: 3147692.5/59



Right In: 2272.177+/-164.171 χ^2/NDF: 14.9/33

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

Right Out: -2082.598+/-163.742 χ^2/NDF: 23.6/36

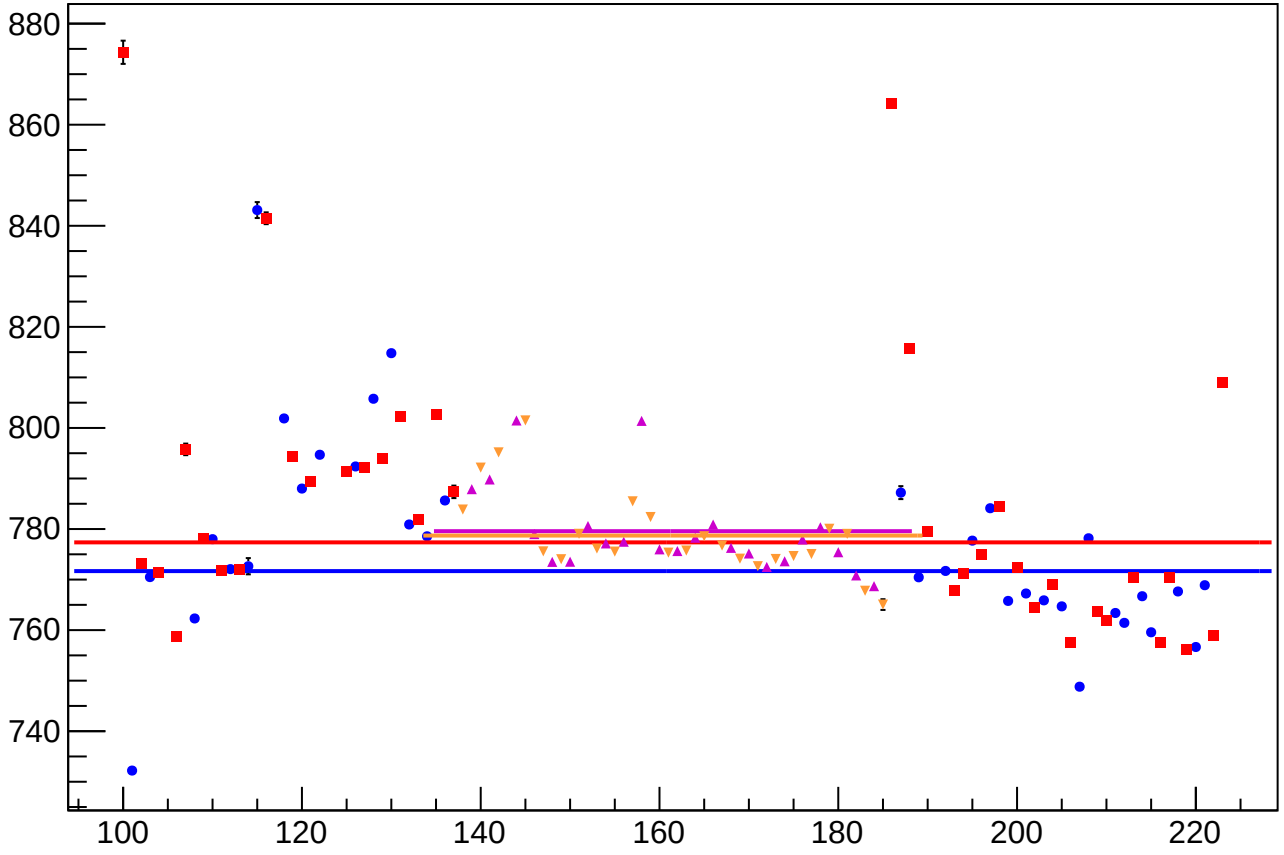
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2081.137+/-121.523 χ^2/NDF: 30.7/57

All: -4.187+/-86.005 χ^2/NDF: 675.4/117

- sign -2096.840+/-121.736 χ^2/NDF: 54.7/59

cor_asym_us_avg_rms vs Slug



Right In: 771.677+/-0.116 χ^2/NDF: 19325.0/33

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

Right Out: 777.360+/-0.116 χ^2/NDF: 30924.2/36

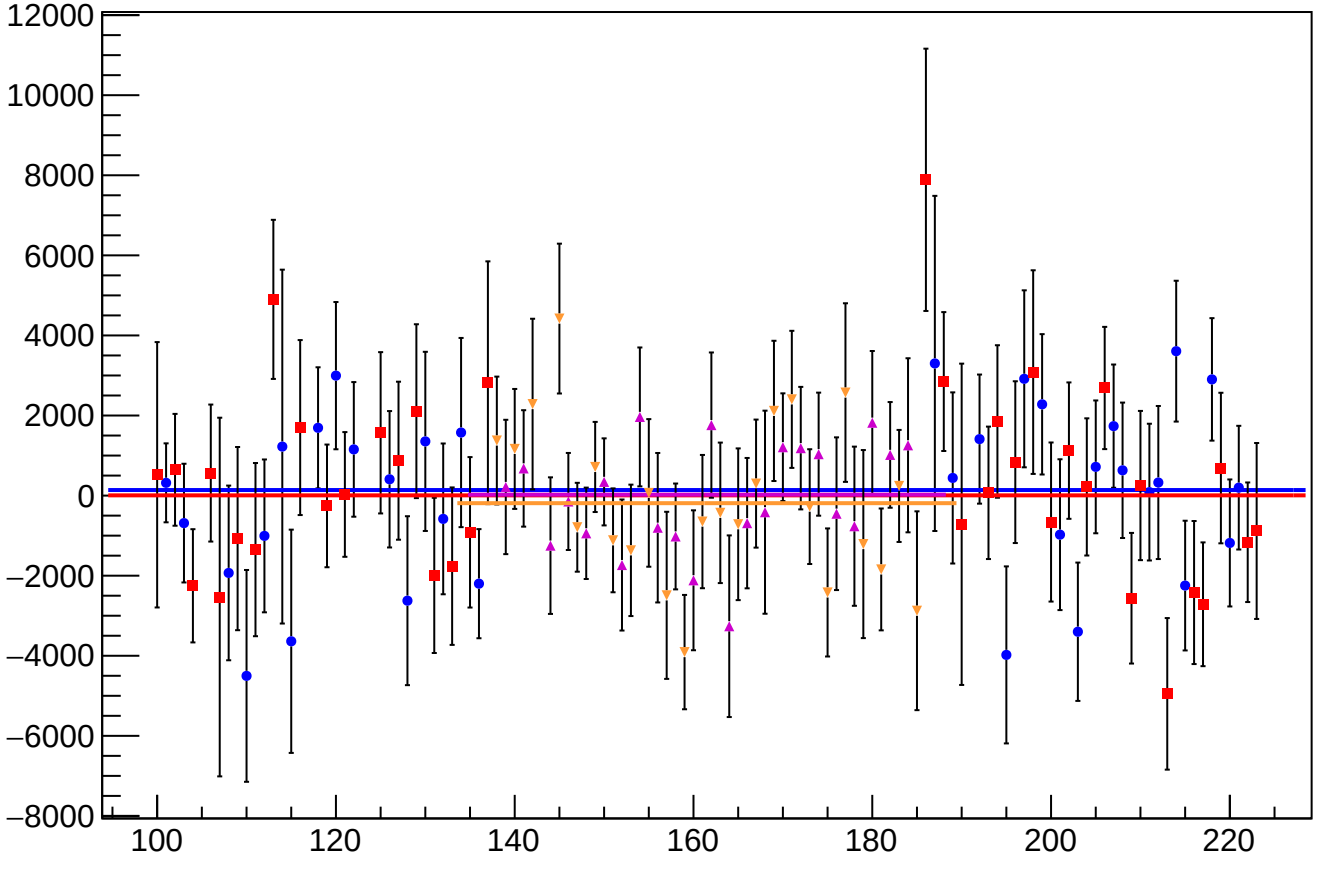
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 774.856+/-0.086 χ^2/NDF: 24373.2/57

All: 776.600+/-0.061 χ^2/NDF: 60459.6/117

- sign 778.351+/-0.086 χ^2/NDF: 35260.7/59

asym_us_avg_cor_correction_mean vs Slug



Right In: 138.957+/-303.438 χ^2/NDF: 39.5/33

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

Right Out: 6.285+/-310.913 χ^2/NDF: 45.2/36

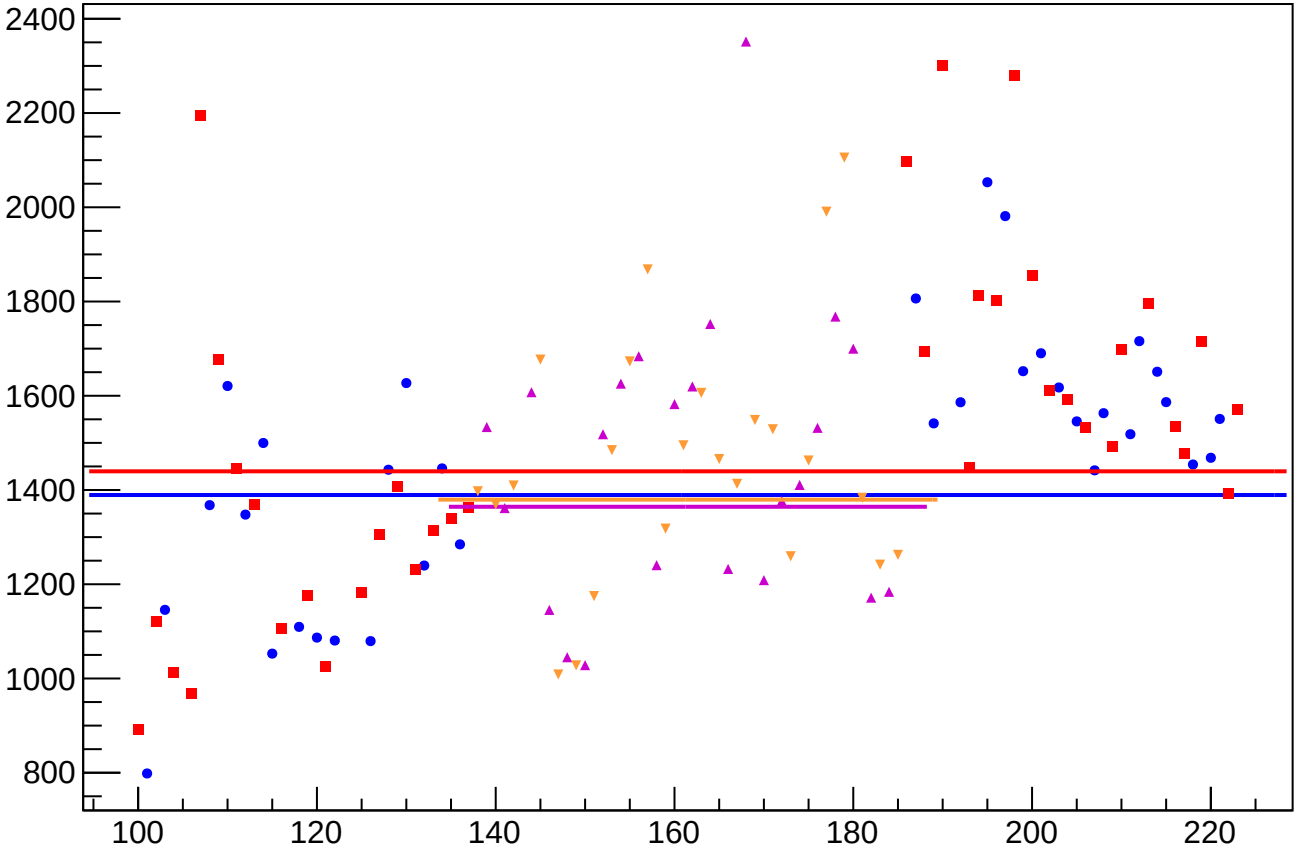
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -12.448+/-222.639 χ^2/NDF: 69.7/57

All: 0.942+/-158.233 χ^2/NDF: 128.3/117

- sign 14.609+/-224.930 χ^2/NDF: 58.6/59

asym_us_avg_cor_correction_rms vs Slug



Right In: 1389.373+/-0.215 χ^2/NDF: 1854857.3/33

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

Right Out: 1439.660+/-0.220 χ^2/NDF: 1779556.6/36

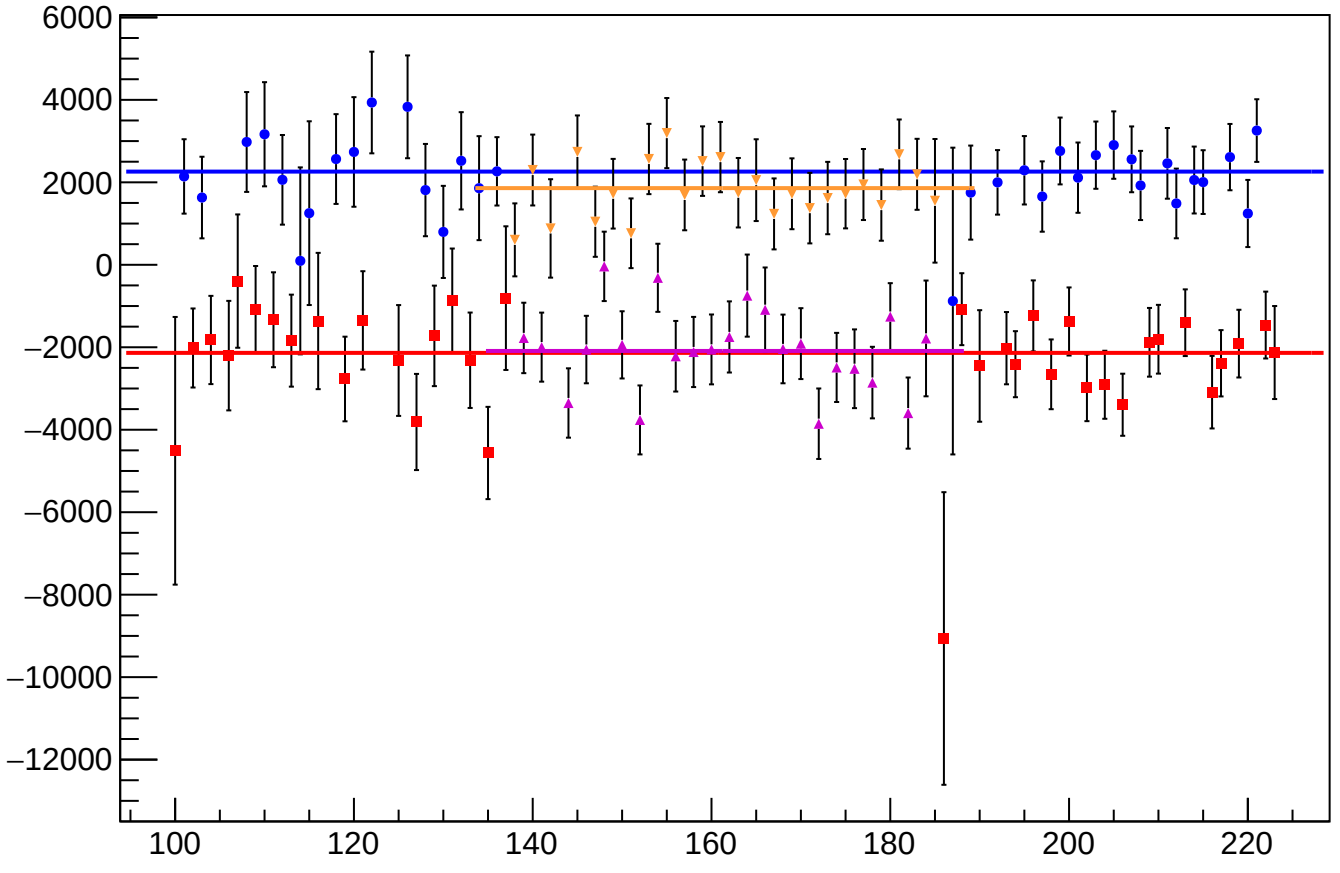
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1384.832+/-0.157 χ^2/NDF: 3014296.2/57

All: 1394.217+/-0.112 χ^2/NDF: 6169169.5/11

- sign 1403.796+/-0.159 χ^2/NDF: 3147692.5/59

overload_cor_asym_us_avg_mean vs Slug



Right In: 2260.178+/-164.731 χ^2/NDF: 15.7/33

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

Right Out: -2135.956+/-164.875 χ^2/NDF: 28.6/36

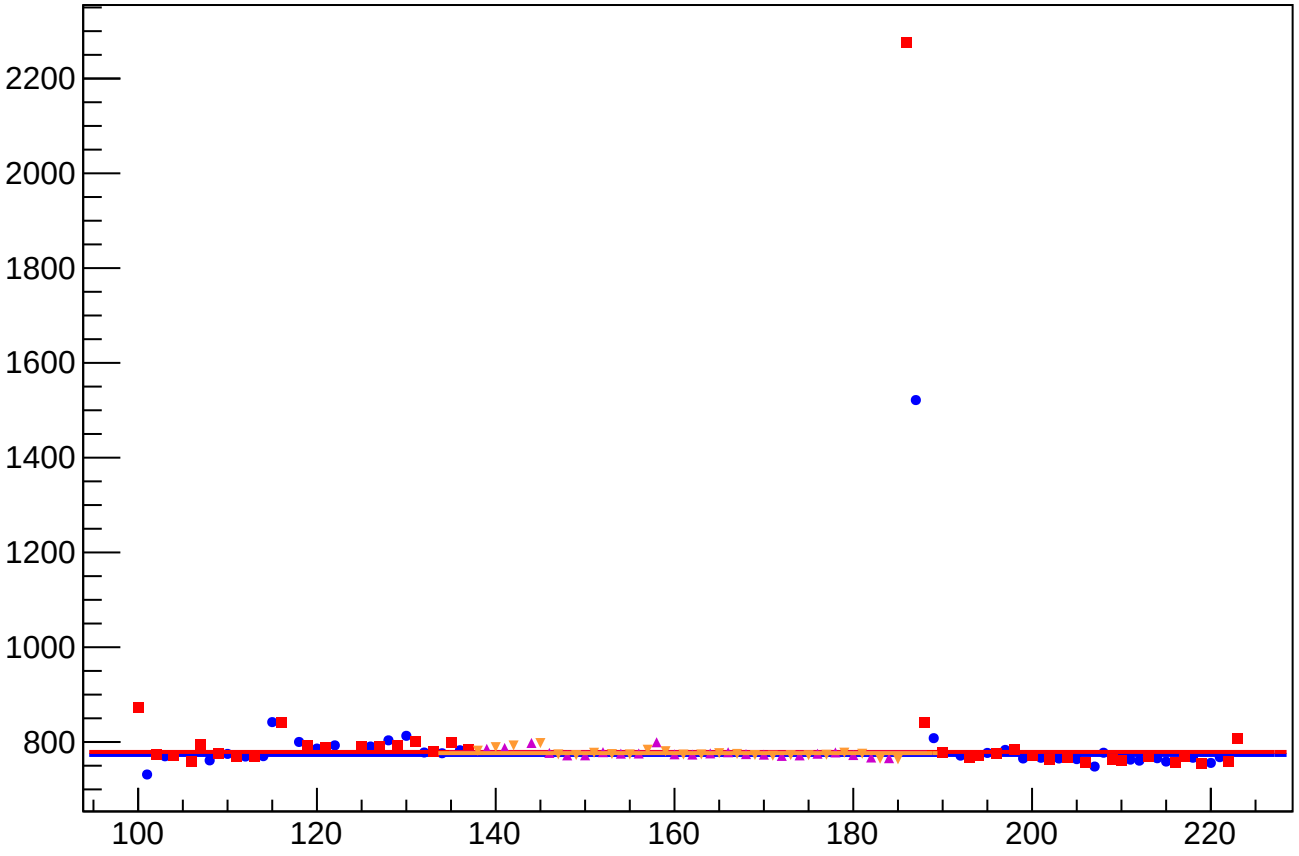
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2077.818+/-121.594 χ^2/NDF: 31.9/57

All: -10.778+/-86.139 χ^2/NDF: 682.5/117

- sign -2114.952+/-122.046 χ^2/NDF: 58.3/59

overload_cor_asym_us_avg_rms vs Slug



Right In: 772.709+/-0.116 χ^2/NDF: 101717.5/33

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

Right Out: 779.036+/-0.117 χ^2/NDF: 385437.7/36

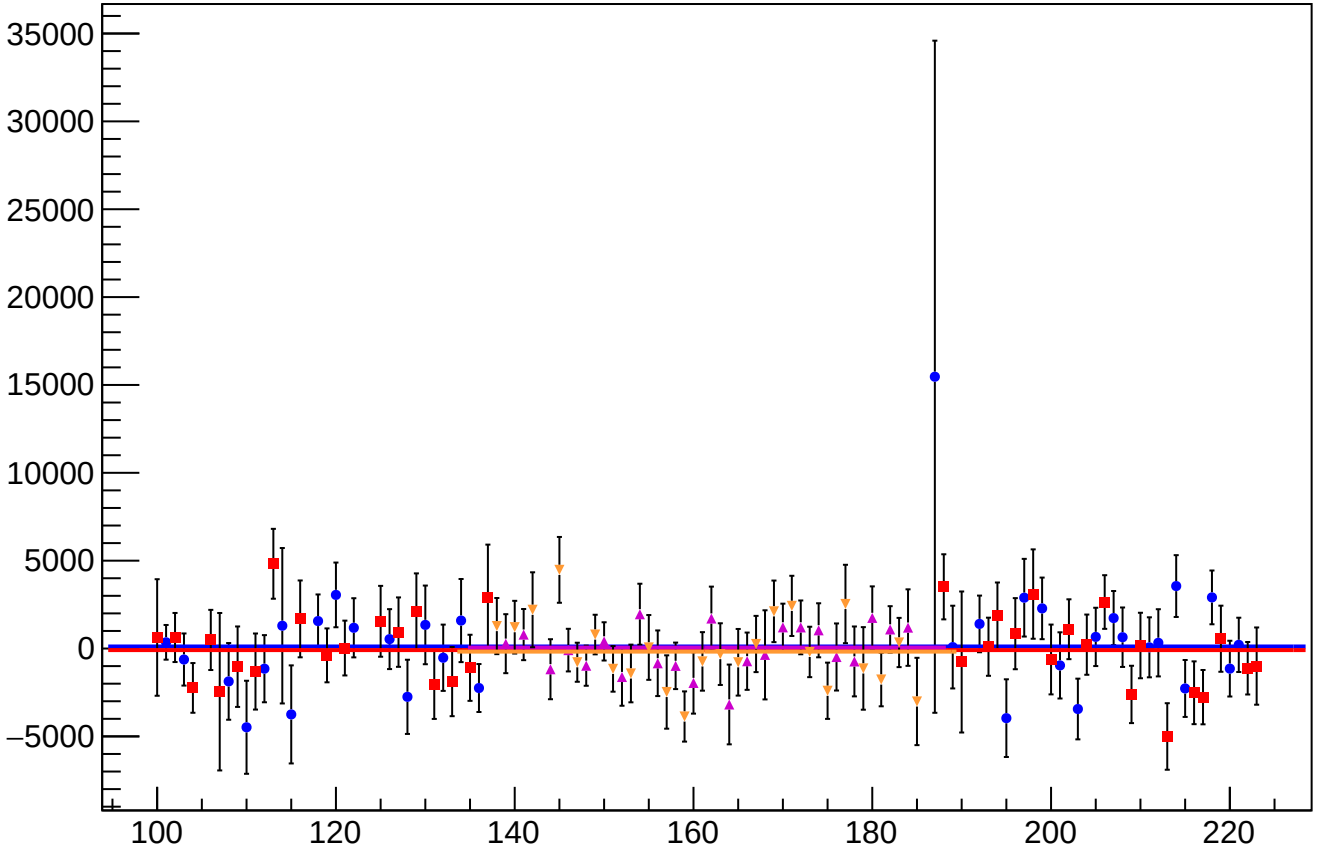
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 774.445+/-0.086 χ^2/NDF: 105342.5/57

All: 776.366+/-0.061 χ^2/NDF: 495932.8/117

- sign 778.302+/-0.086 χ^2/NDF: 389587.5/59

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: 116.264+/-304.926 χ^2/NDF: 39.8/33

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

Right Out: -88.641+/-313.126 χ^2/NDF: 40.6/35

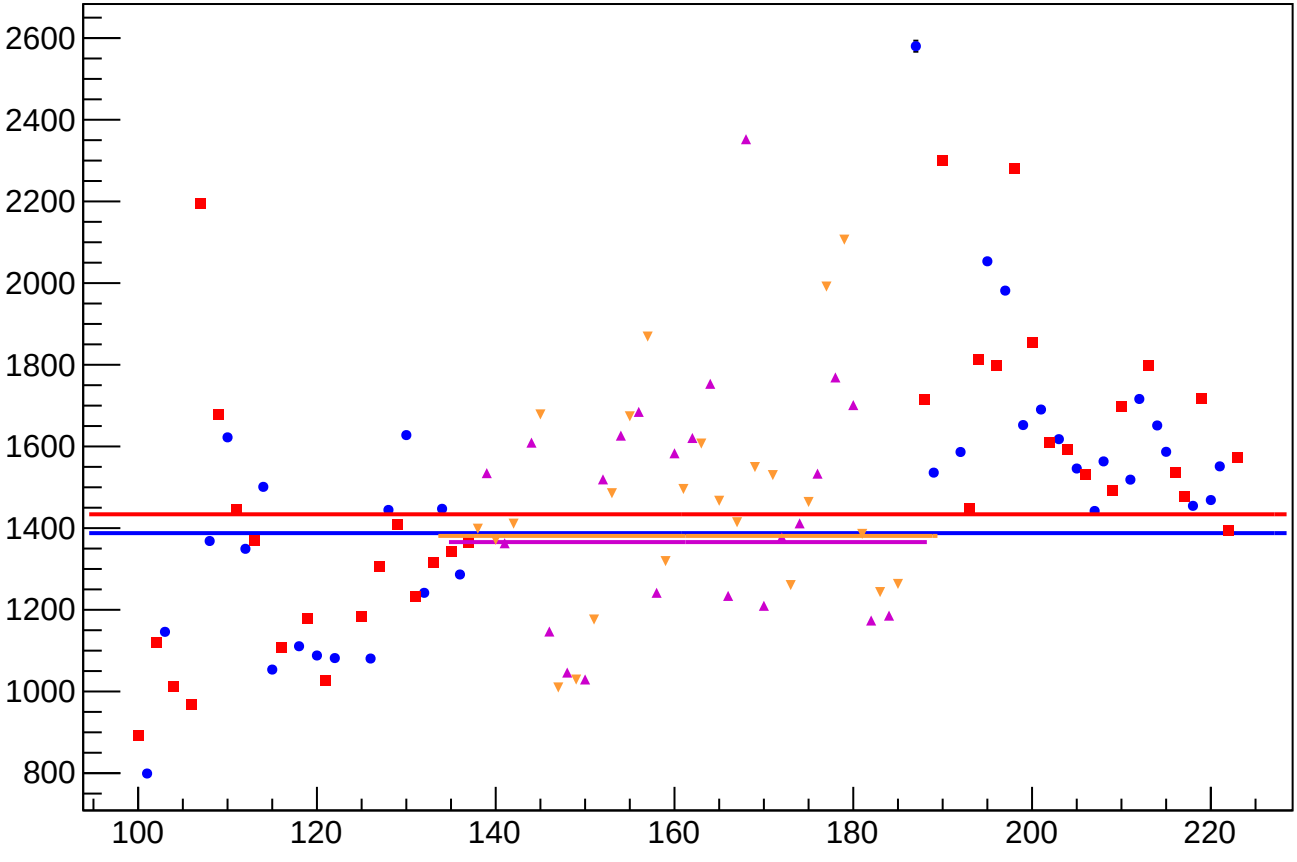
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -18.736+/-223.325 χ^2/NDF: 69.8/57

All: -19.749+/-158.806 χ^2/NDF: 123.5/116

- sign -20.786+/-225.869 χ^2/NDF: 53.7/58

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1387.755+/-0.216 χ^2/NDF: 1834873.0/33

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

Right Out: 1433.888+/-0.221 χ^2/NDF: 1692416.8/35

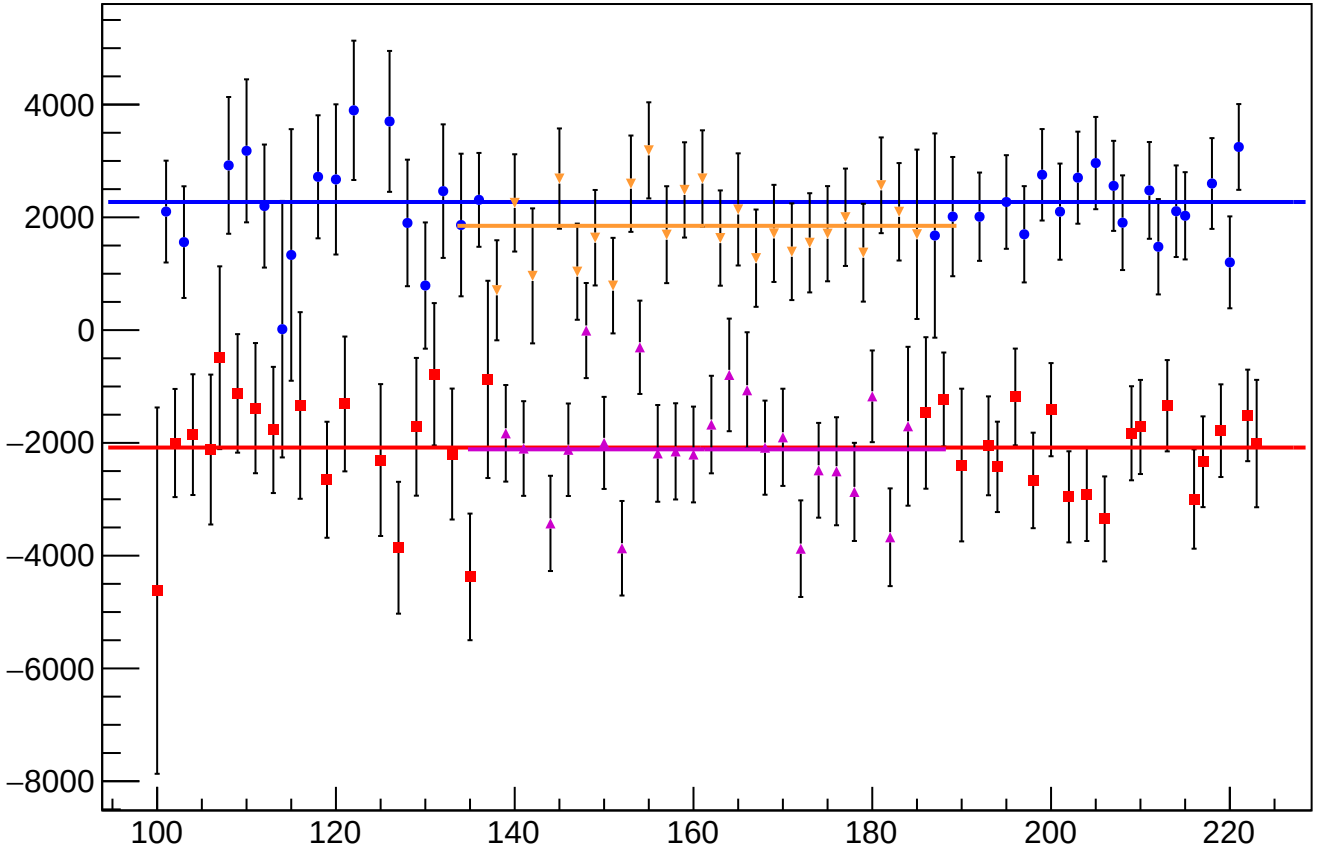
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1384.601+/-0.158 χ^2/NDF: 2990772.2/57

All: 1392.823+/-0.112 χ^2/NDF: 6042880.4/11

- sign 1401.233+/-0.160 χ^2/NDF: 3046624.7/58

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2272.177+/-164.171 χ^2/NDF: 14.9/33

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

Right Out: -2082.598+/-163.742 χ^2/NDF: 23.6/36

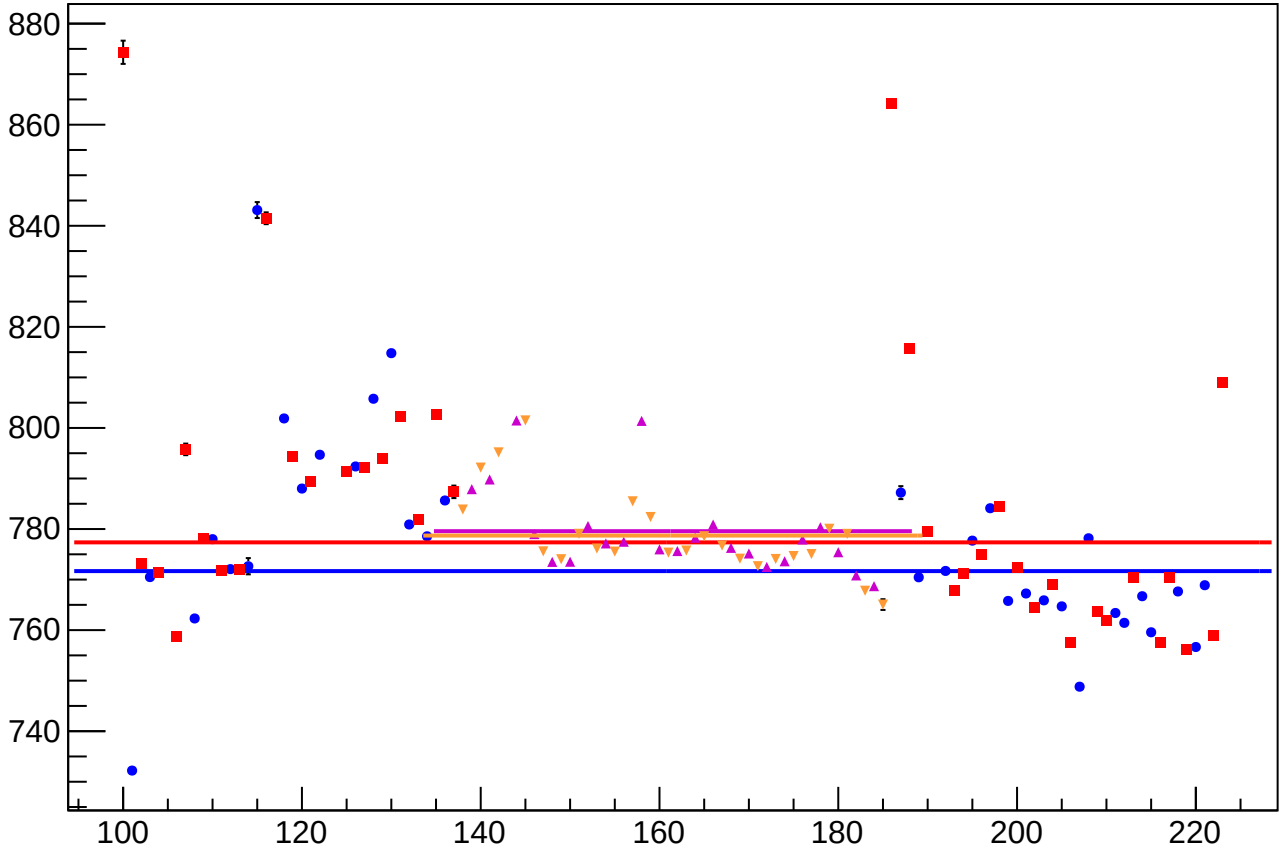
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2081.137+/-121.523 χ^2/NDF: 30.7/57

All: -4.187+/-86.005 χ^2/NDF: 675.4/117

- sign -2096.840+/-121.736 χ^2/NDF: 54.7/59

eigen_cor_asym_us_avg_rms vs Slug



Right In: 771.677+/-0.116 χ^2/NDF: 19325.0/33

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

Right Out: 777.360+/-0.116 χ^2/NDF: 30924.2/36

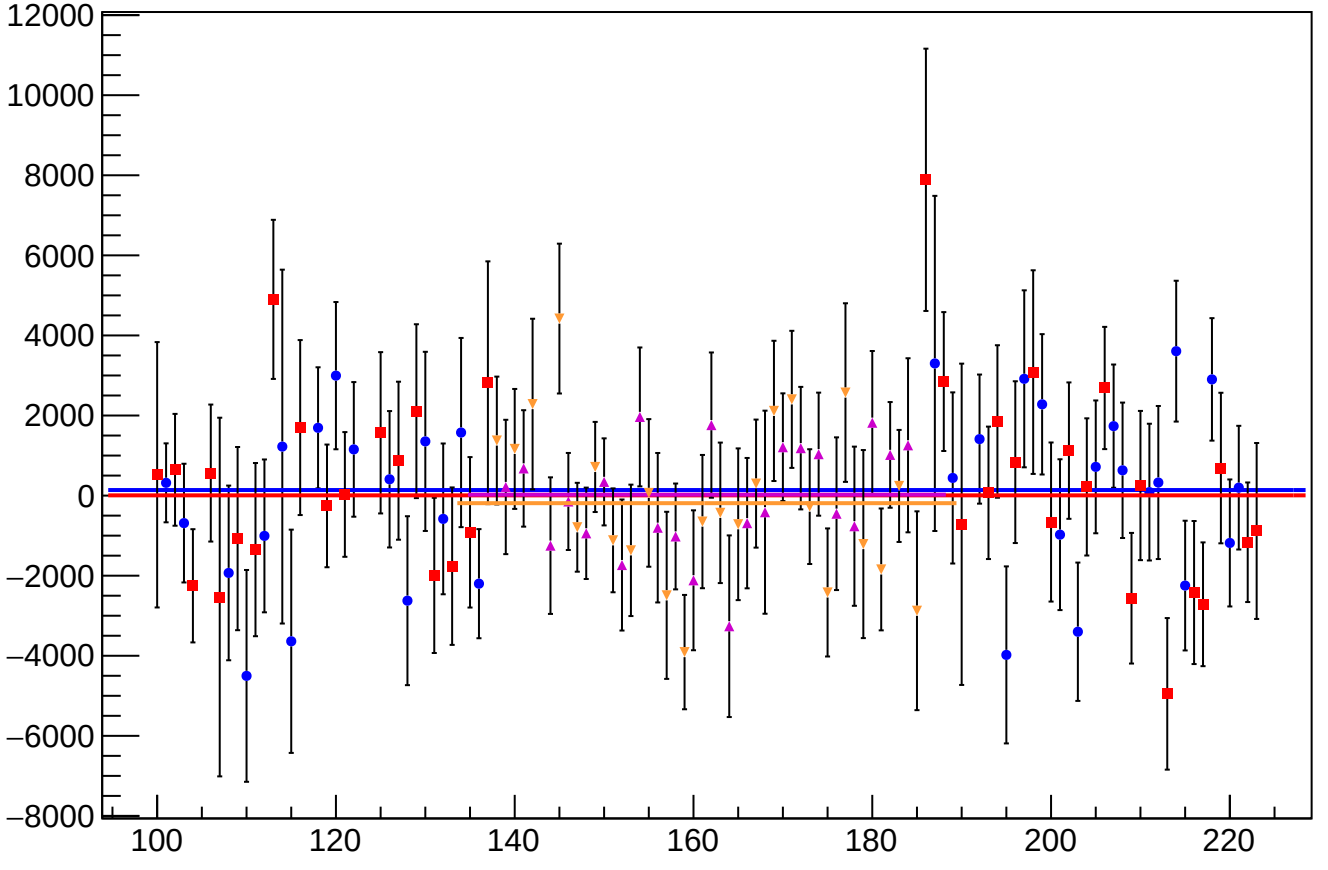
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

\+ sign 774.856+/-0.086 χ^2/NDF: 24373.2/57

All: 776.600+/-0.061 χ^2/NDF: 60459.6/117

\- sign 778.351+/-0.086 χ^2/NDF: 35260.7/59

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 138.957+/-303.438 χ^2/NDF: 39.5/33

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

Right Out: 6.285+/-310.913 χ^2/NDF: 45.2/36

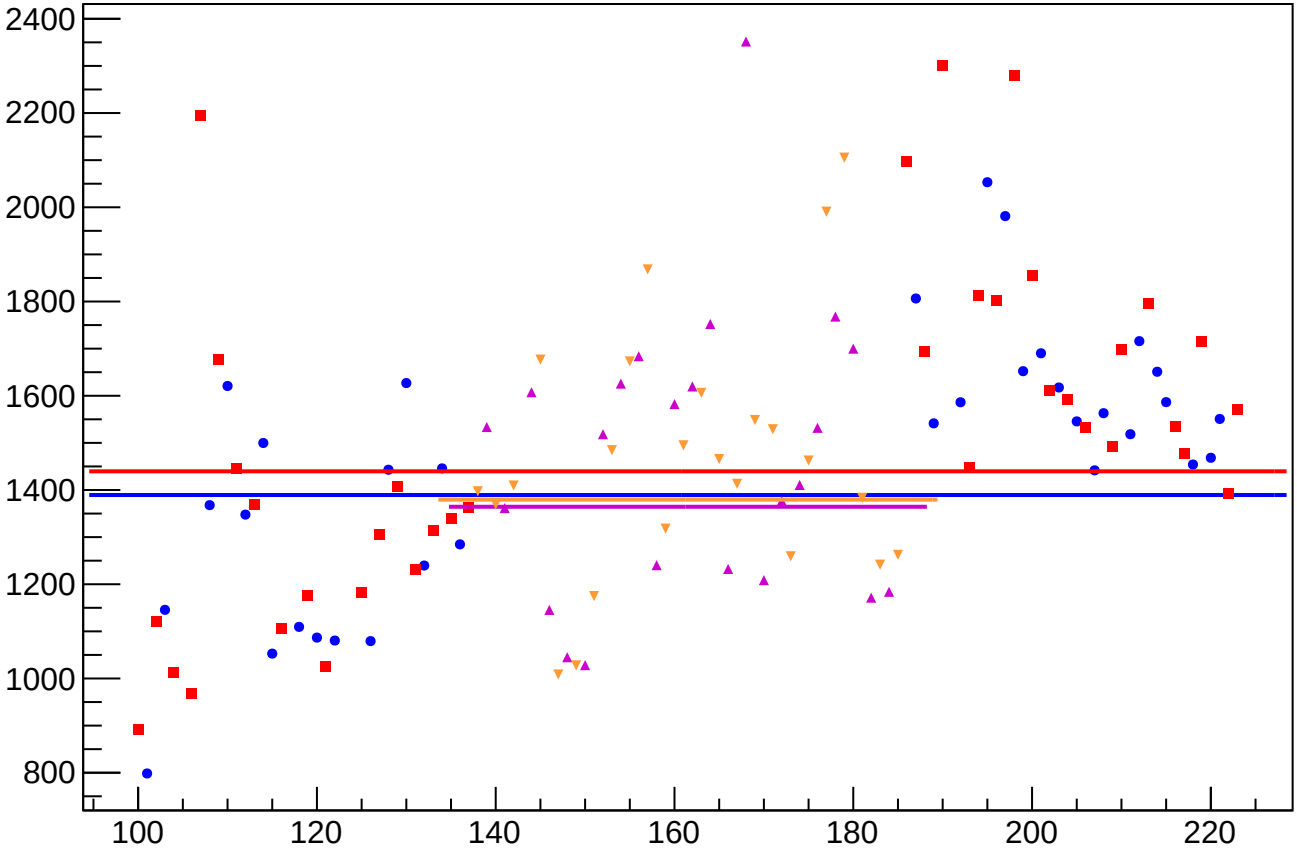
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -12.448+/-222.639 χ^2/NDF: 69.7/57

All: 0.942+/-158.233 χ^2/NDF: 128.3/117

- sign 14.609+/-224.930 χ^2/NDF: 58.6/59

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1389.373+/-0.215 χ^2/NDF: 1854857.3/33

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

Right Out: 1439.660+/-0.220 χ^2/NDF: 1779556.6/36

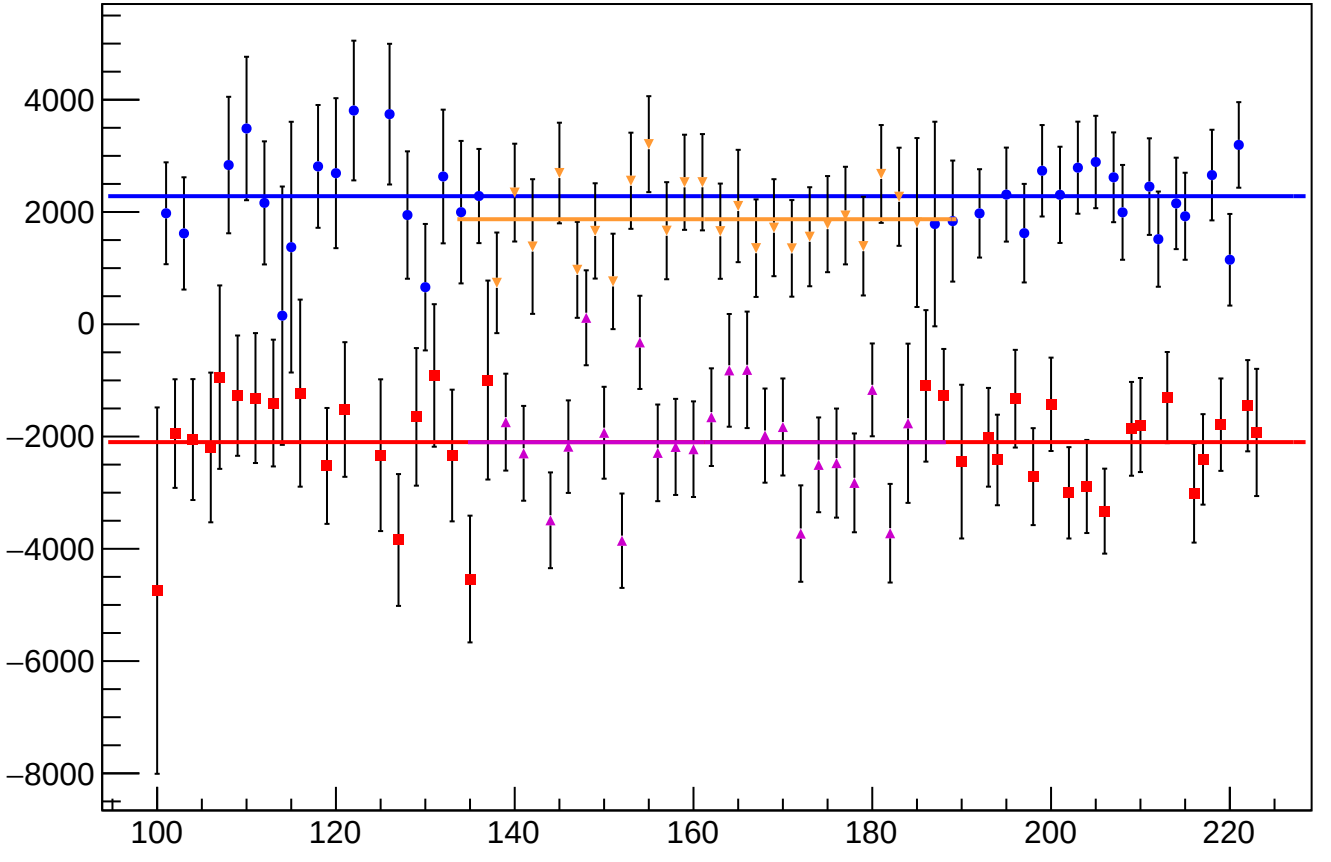
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1384.832+/-0.157 χ^2/NDF: 3014296.2/57

All: 1394.217+/-0.112 χ^2/NDF: 6169169.5/11

- sign 1403.796+/-0.159 χ^2/NDF: 3147692.5/59

dit_asym_us_avg_mean vs Slug



Right In: 2281.831+/-165.119 χ^2/NDF: 15.3/33

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

Right Out: -2099.255+/-164.683 χ^2/NDF: 23.3/36

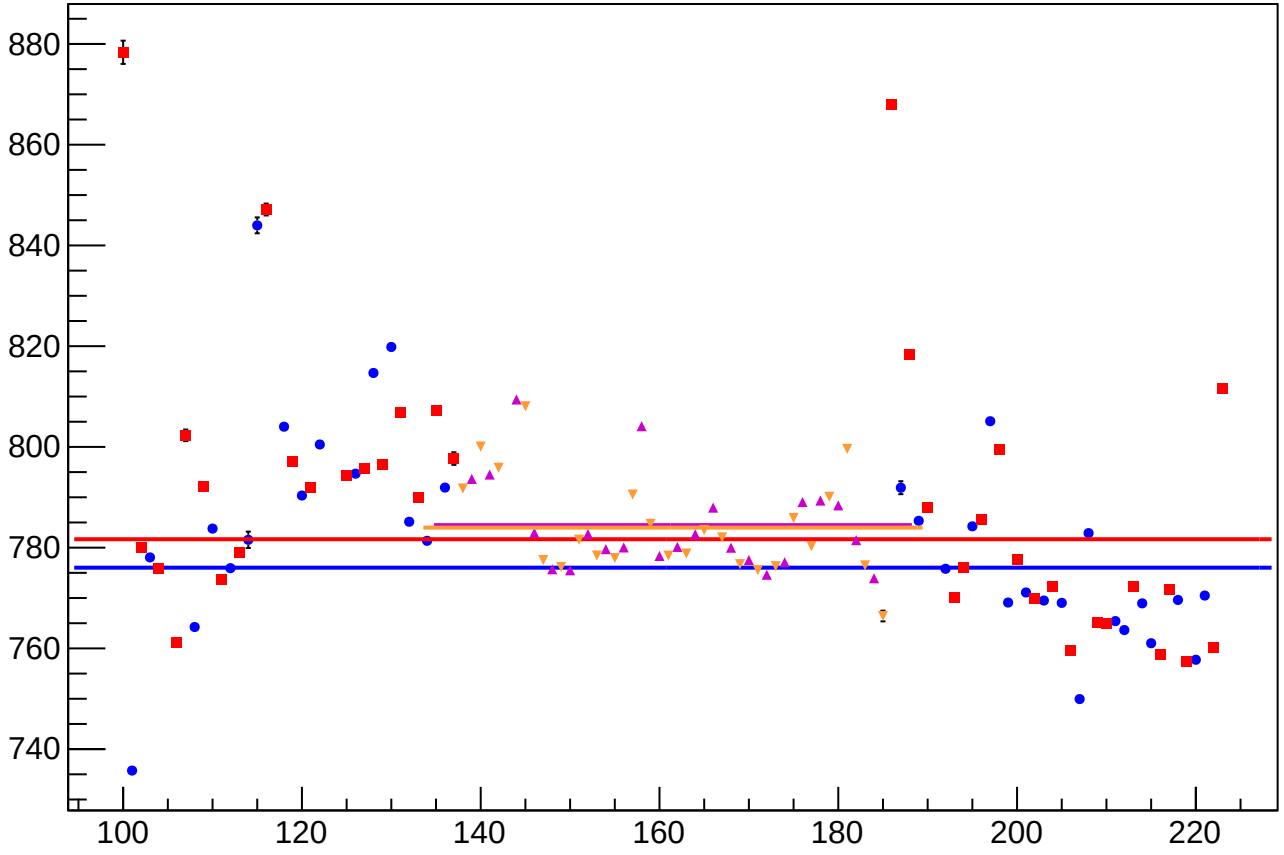
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2096.528+/-122.283 χ^2/NDF: 30.6/57

All: 1.392+/-86.532 χ^2/NDF: 673.7/117

- sign -2100.056+/-122.467 χ^2/NDF: 55.1/59

dit_asym_us_avg_rms vs Slug



Right In: 776.027+/-0.117 χ^2/NDF: 23341.0/33

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

Right Out: 781.675+/-0.116 χ^2/NDF: 33308.5/36

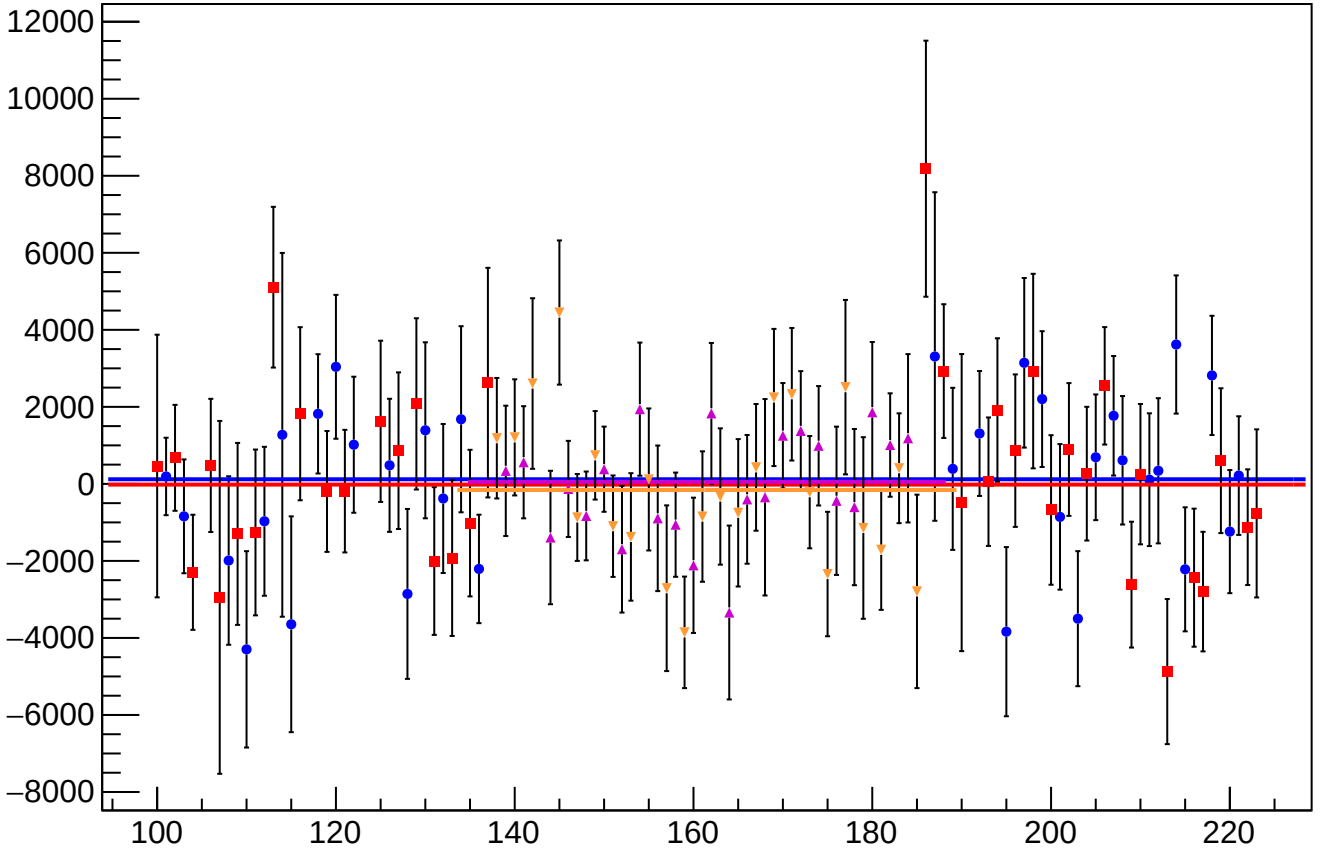
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 779.619+/-0.086 χ^2/NDF: 30364.9/57

All: 781.270+/-0.061 χ^2/NDF: 69589.2/117

- sign 782.926+/-0.087 χ^2/NDF: 38494.1/59

asym_us_avg_dit_correction_mean vs Slug



Right In: 119.958+/-306.507 χ^2/NDF: 39.0/33

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

Right Out: -18.141+/-313.451 χ^2/NDF: 45.0/36

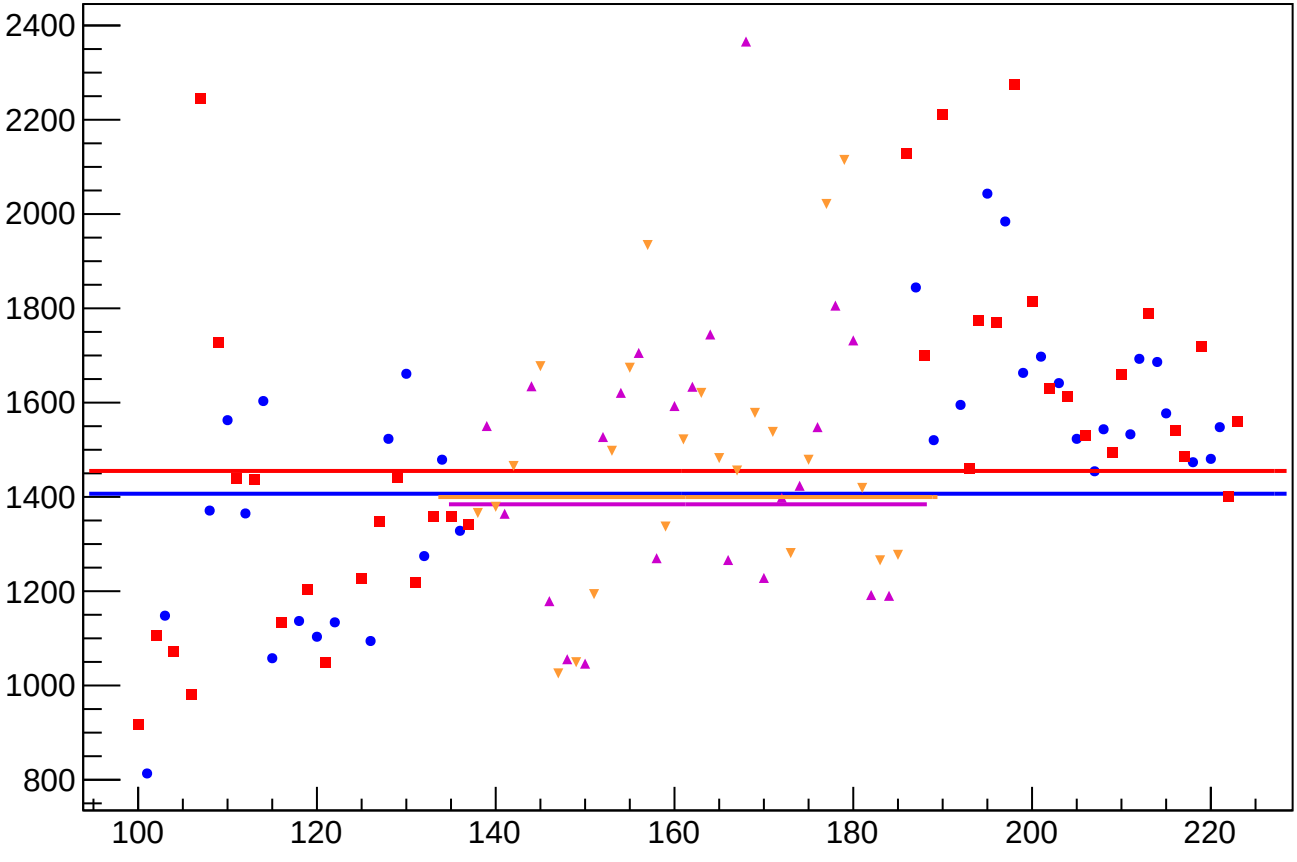
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -8.448+/-225.266 χ^2/NDF: 68.5/57

All: 3.215+/-160.014 χ^2/NDF: 127.0/117

- sign 15.093+/-227.336 χ^2/NDF: 58.4/59

asym_us_avg_dit_correction_rms vs Slug



Right In: 1406.753+/-0.217 χ^2/NDF: 1738419.6/33

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

Right Out: 1455.073+/-0.222 χ^2/NDF: 1612110.4/36

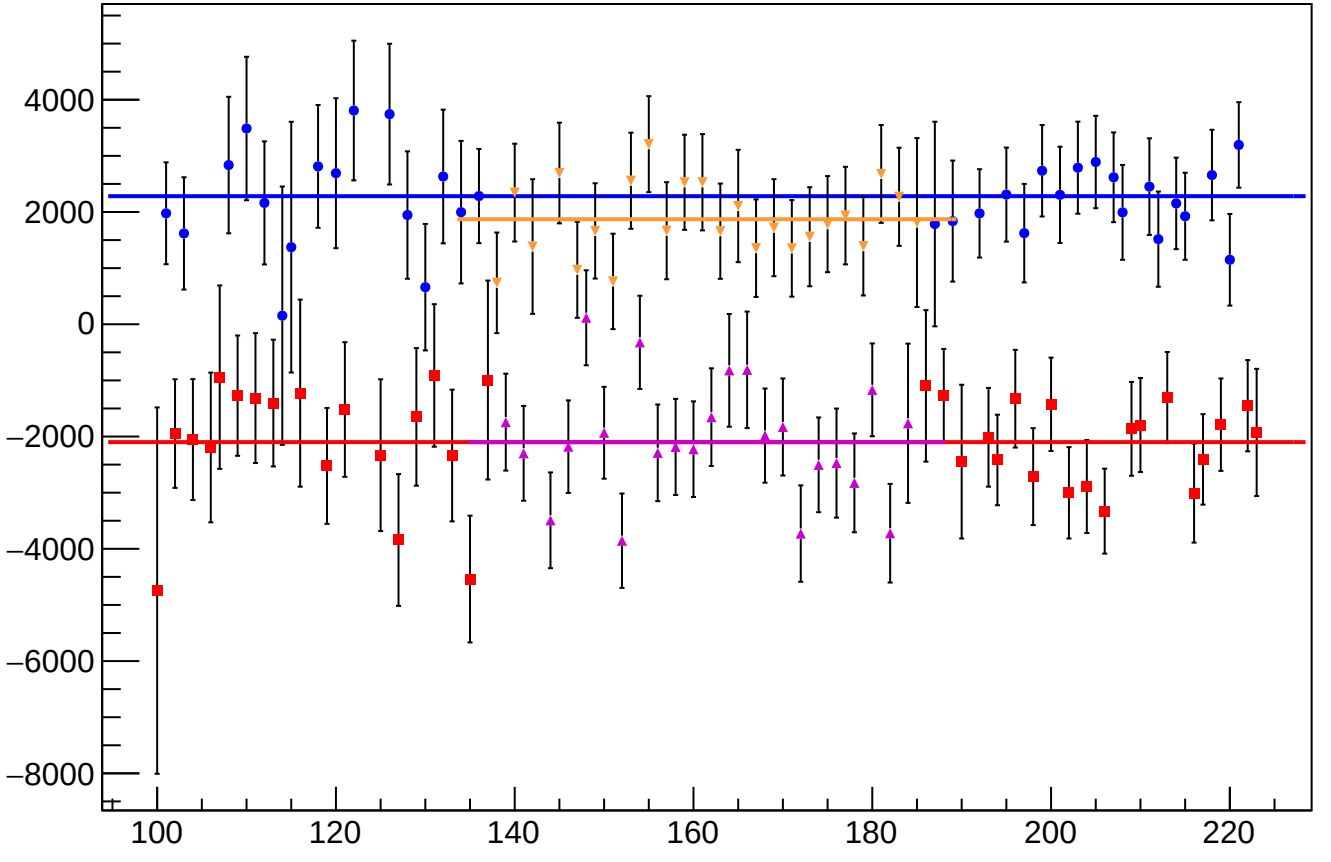
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1403.518+/-0.159 χ^2/NDF: 2875254.4/57

All: 1412.448+/-0.113 χ^2/NDF: 5811928.5/11

- sign 1421.544+/-0.161 χ^2/NDF: 2930329.2/59

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2281.831+/-165.119 χ^2/NDF: 15.3/33

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

Right Out: -2099.257+/-164.683 χ^2/NDF: 23.3/36

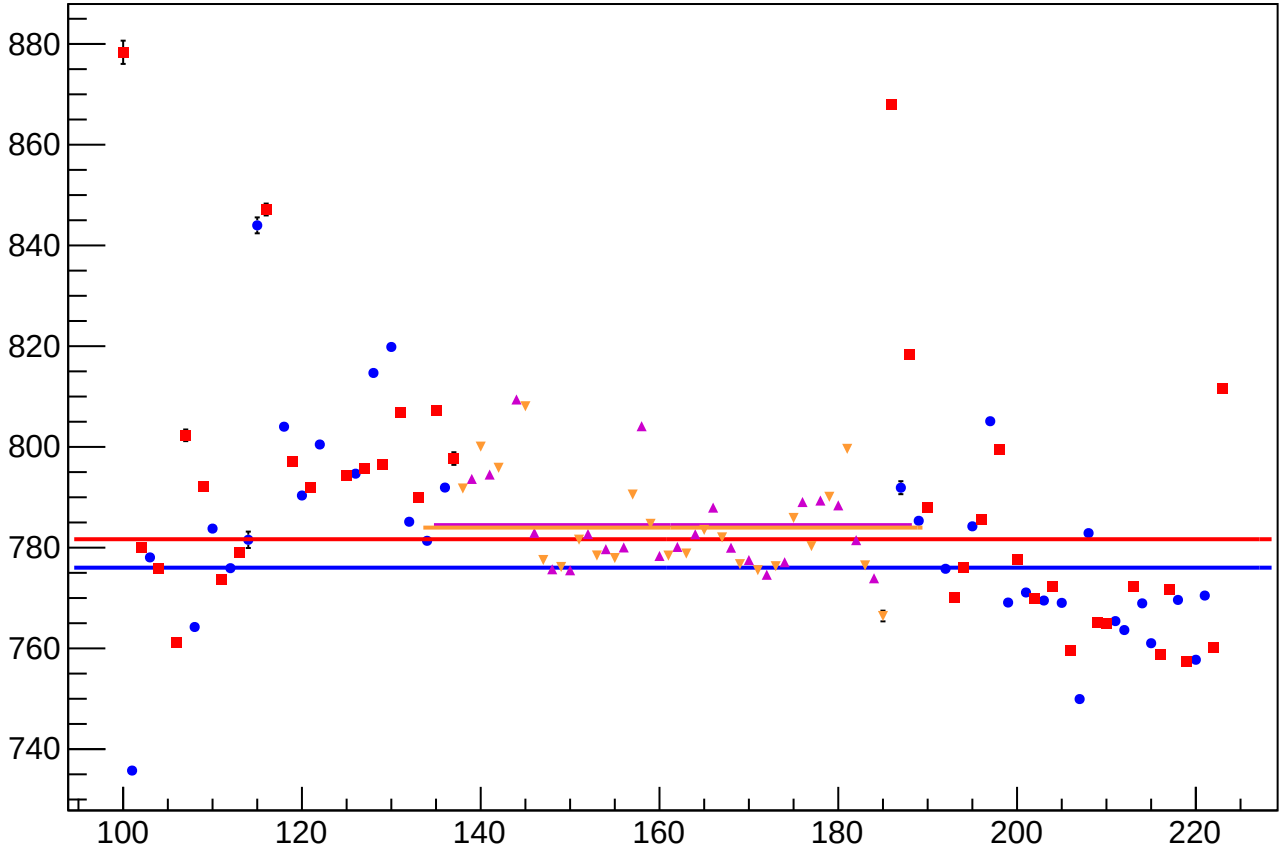
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2096.527+/-122.283 χ^2/NDF: 30.6/57

All: 1.391+/-86.532 χ^2/NDF: 673.7/117

- sign -2100.057+/-122.467 χ^2/NDF: 55.1/59

eigen_dit_asym_us_avg_rms vs Slug



Right In: 776.027+/-0.117 χ^2/NDF: 23340.9/33

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

Right Out: 781.675+/-0.116 χ^2/NDF: 33308.4/36

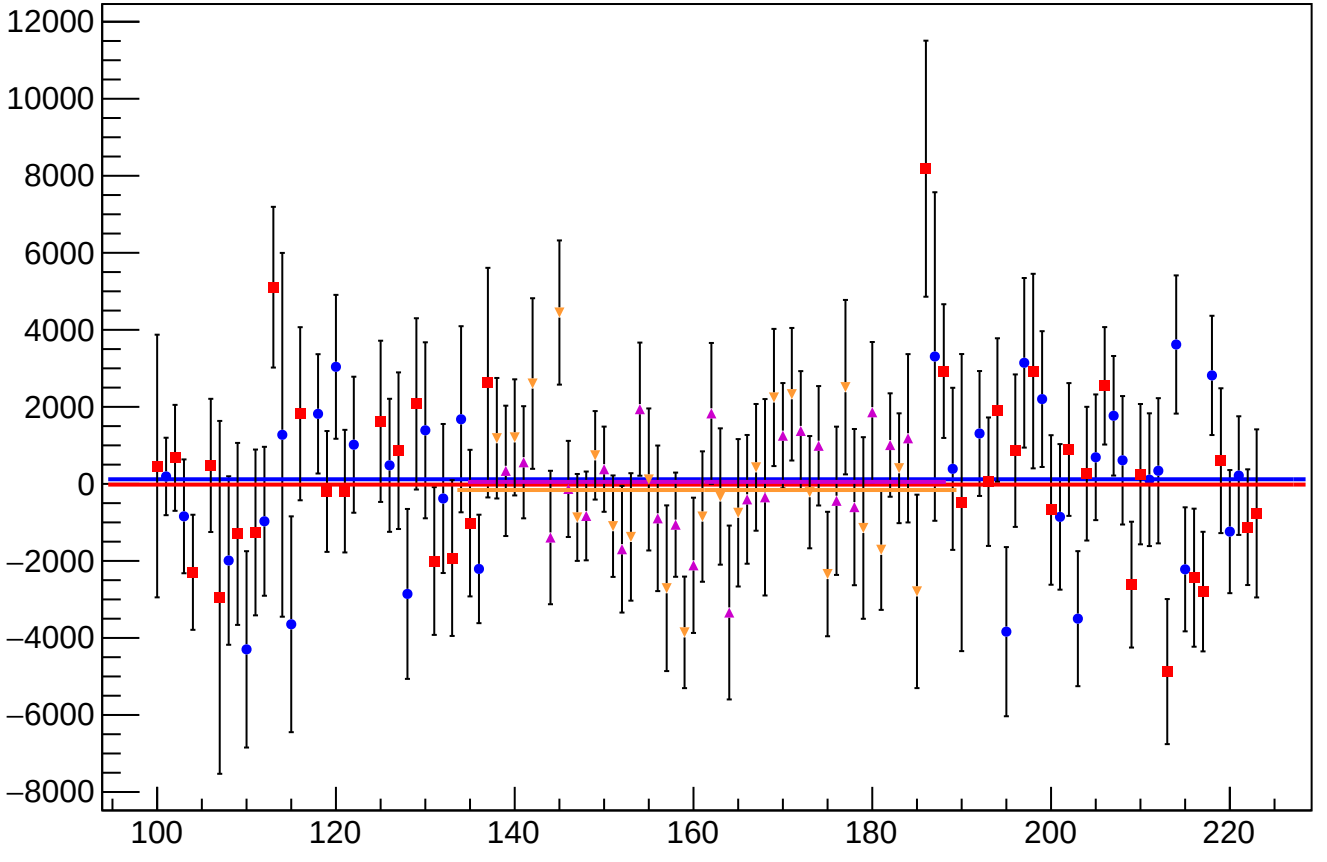
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 779.619+/-0.086 χ^2/NDF: 30364.8/57

All: 781.270+/-0.061 χ^2/NDF: 69589.0/117

- sign 782.926+/-0.087 χ^2/NDF: 38494.0/59

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 119.957+/-306.506 χ^2/NDF: 39.0/33

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

Right Out: -18.143+/-313.450 χ^2/NDF: 45.0/36

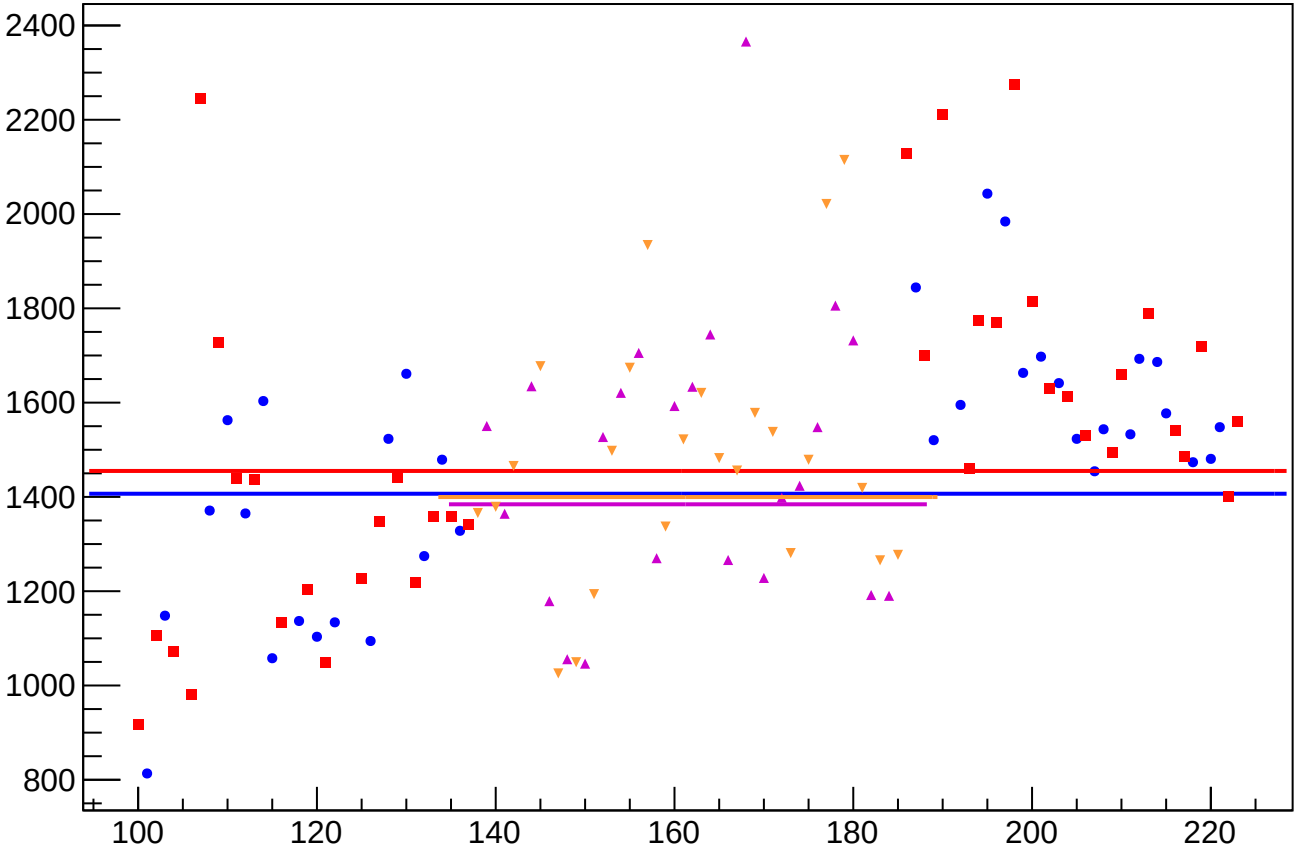
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -8.449+/-225.266 χ^2/NDF: 68.5/57

All: 3.214+/-160.014 χ^2/NDF: 127.0/117

\- sign 15.092+/-227.336 χ^2/NDF: 58.4/59

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1406.752+/-0.217 χ^2/NDF: 1738442.7/33

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

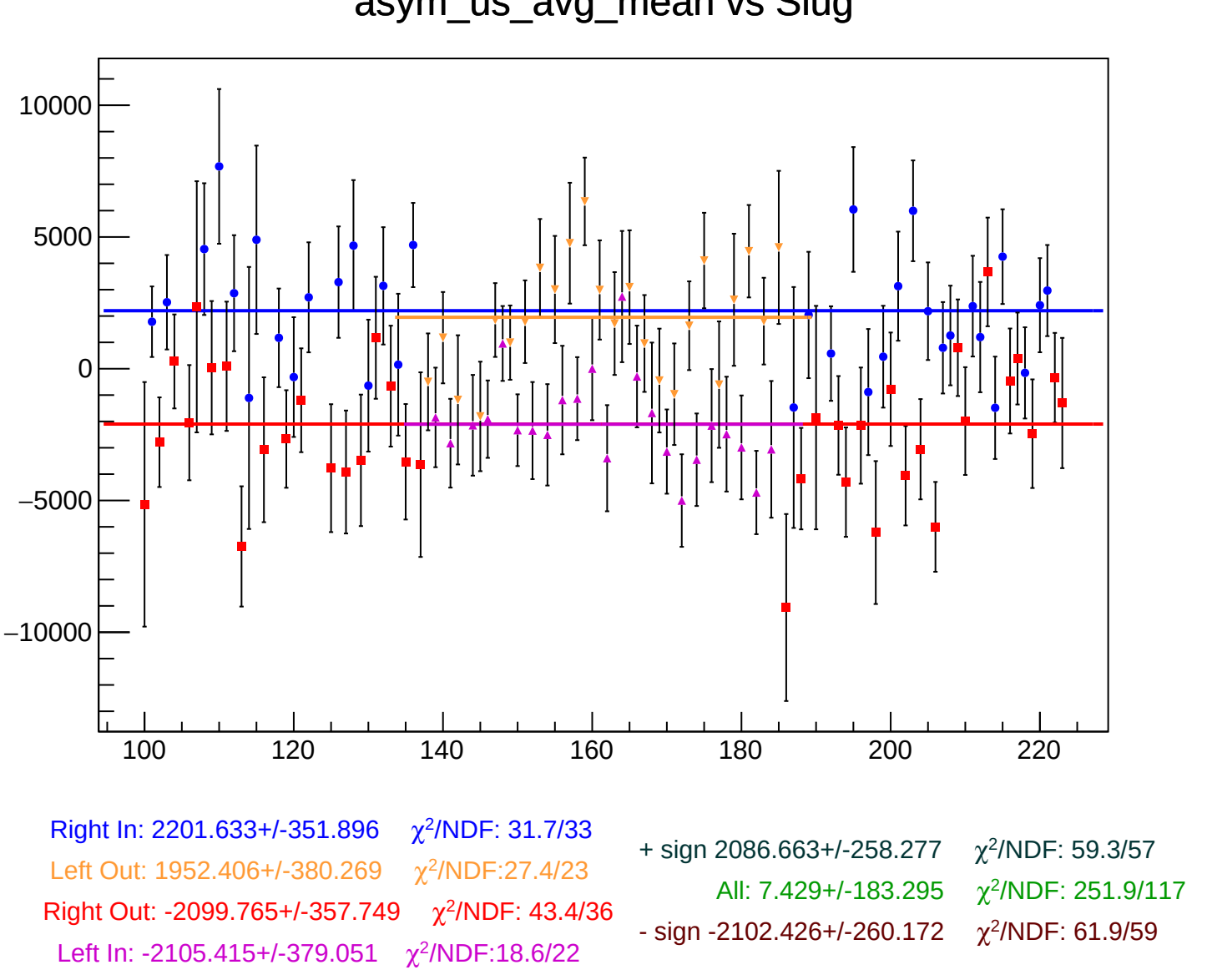
Right Out: 1455.072+/-0.222 χ^2/NDF: 1612132.8/36

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

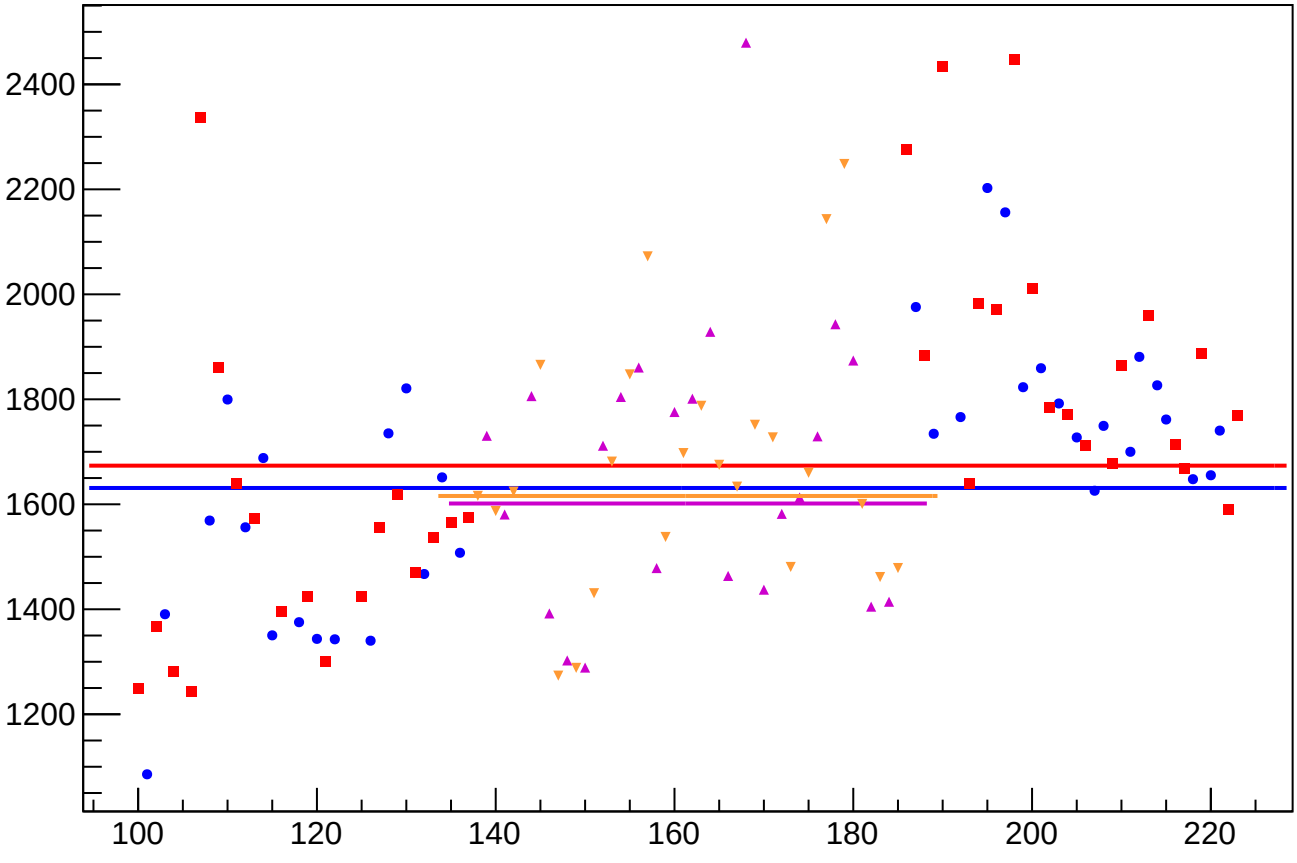
+ sign 1403.518+/-0.159 χ^2/NDF: 2875278.2/57

All: 1412.449+/-0.113 χ^2/NDF: 5811969.5/11

- sign 1421.544+/-0.161 χ^2/NDF: 2930346.6/59


asym_us_avg_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 2201.633+/-351.896 χ²/NDF: 31.7/33
Left Out: 1952.406+/-380.269 χ²/NDF:27.4/23
Right Out: -2099.765+/-357.749 χ²/NDF: 43.4/36
Left In: -2105.415+/-379.051 χ²/NDF:18.6/22
+ sign 2086.663+/-258.277 χ²/NDF: 59.3/57
All: 7.429+/-183.295 χ²/NDF: 251.9/117
- sign -2102.426+/-260.172 χ²/NDF: 61.9/59

asym_us_avg_rms vs Slug



Right In: 1631.087+/-0.249 χ^2/NDF: 954769.1/33

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

Right Out: 1673.602+/-0.253 χ^2/NDF: 1030454.0/36

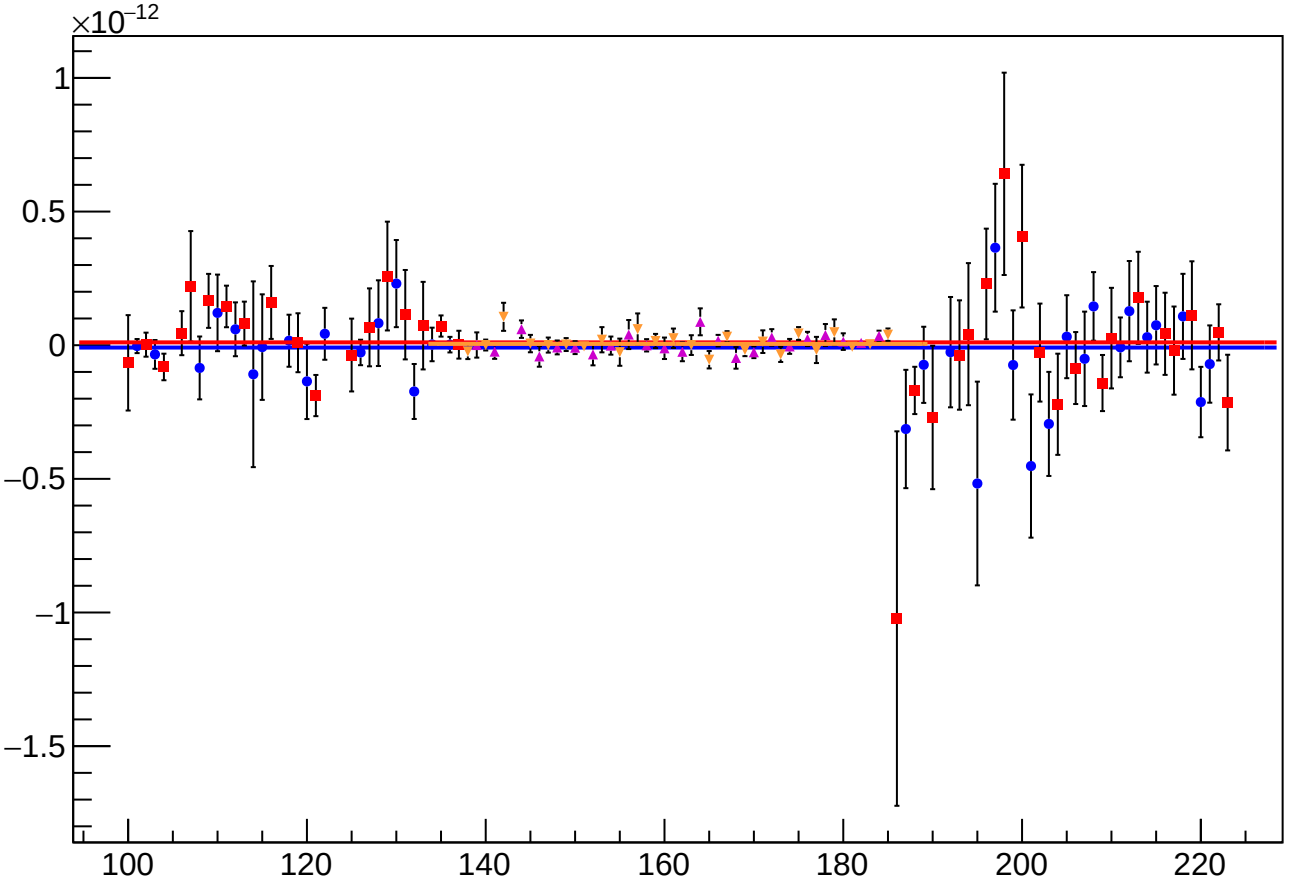
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1624.060+/-0.183 χ^2/NDF: 1650851.4/57

All: 1631.789+/-0.130 χ^2/NDF: 3516914.0/11

- sign 1639.632+/-0.184 χ^2/NDF: 1862453.9/59

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/33

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

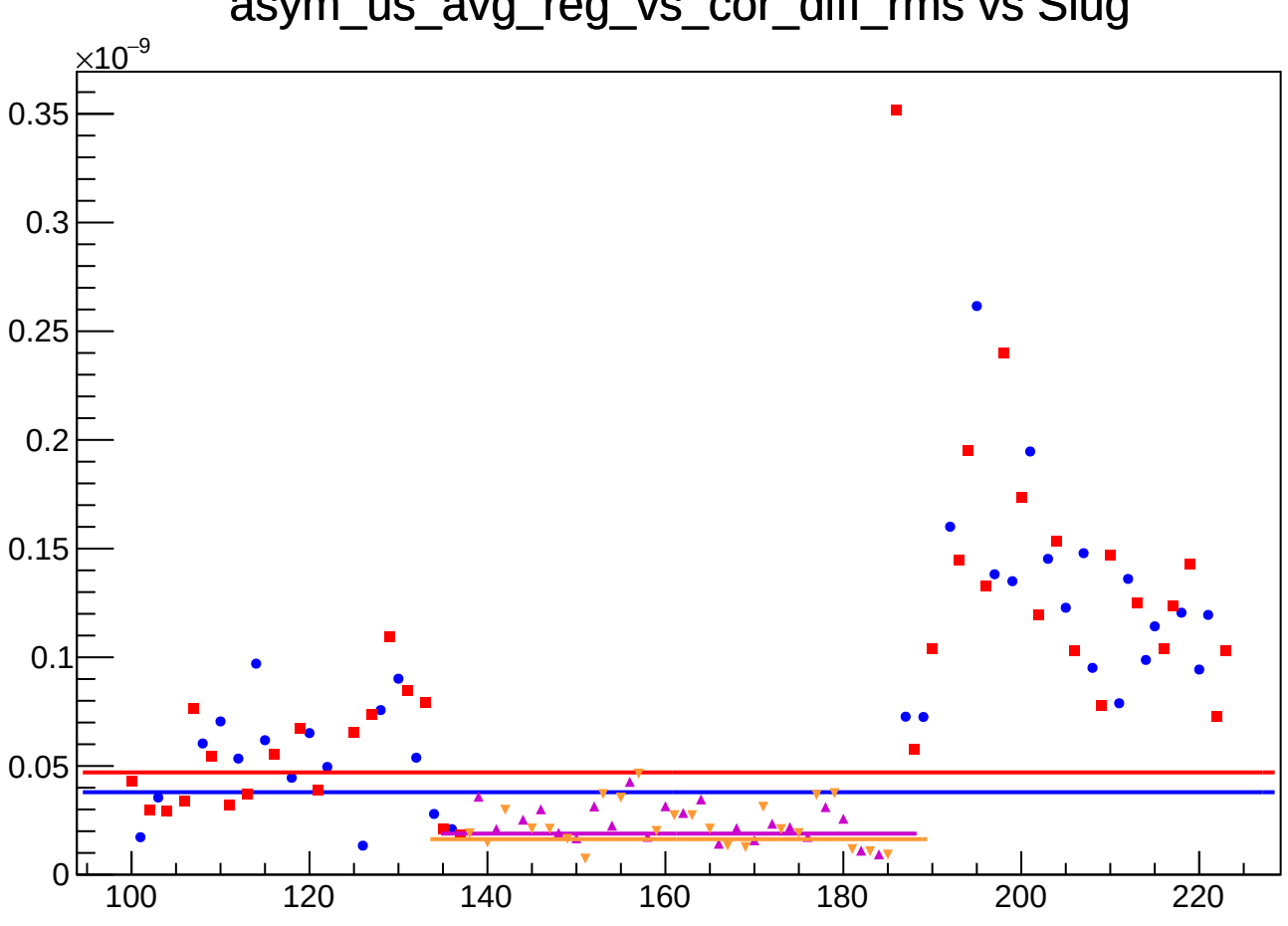
Right Out: 0.000+/-0.000 χ^2/NDF: 44.2/36

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

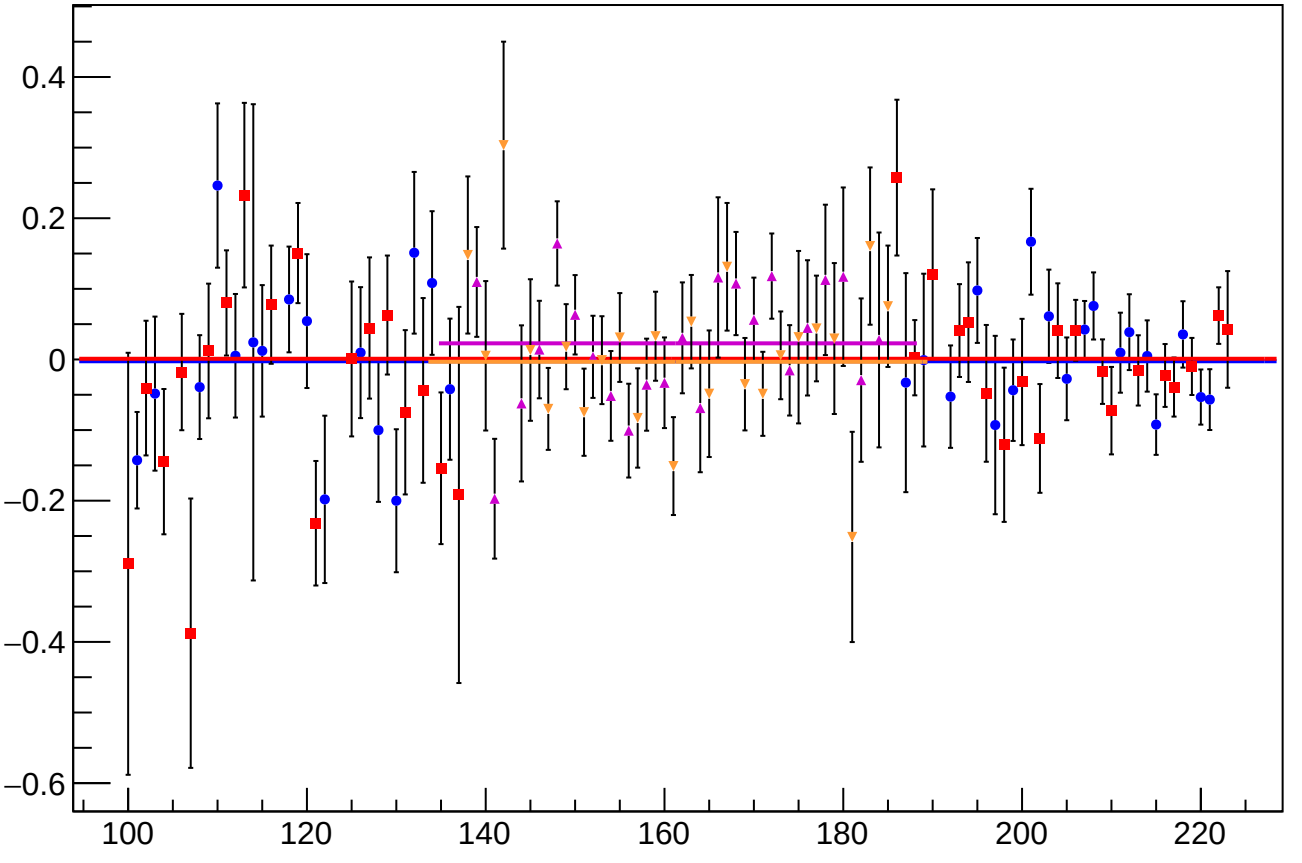
+ sign 0.000+/-0.000 χ^2/NDF: 47.3/57

All: 0.000+/-0.000 χ^2/NDF: 111.1/117

- sign 0.000+/-0.000 χ^2/NDF: 63.7/59


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 12026474.0/33
Left Out: 0.000+/-0.000 χ²/NDF:4263140.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 9585547.5/36
Left In: 0.000+/-0.000 χ²/NDF:3256130.1/22
+ sign 0.000+/-0.000 χ²/NDF: 20392549.9/57
All: 0.000+/-0.000 χ²/NDF: 38839944.5/117
- sign 0.000+/-0.000 χ²/NDF: 18113387.9/59

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.012 χ^2/NDF: 43.9/33

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

Right Out: 0.001+/-0.012 χ^2/NDF: 45.5/36

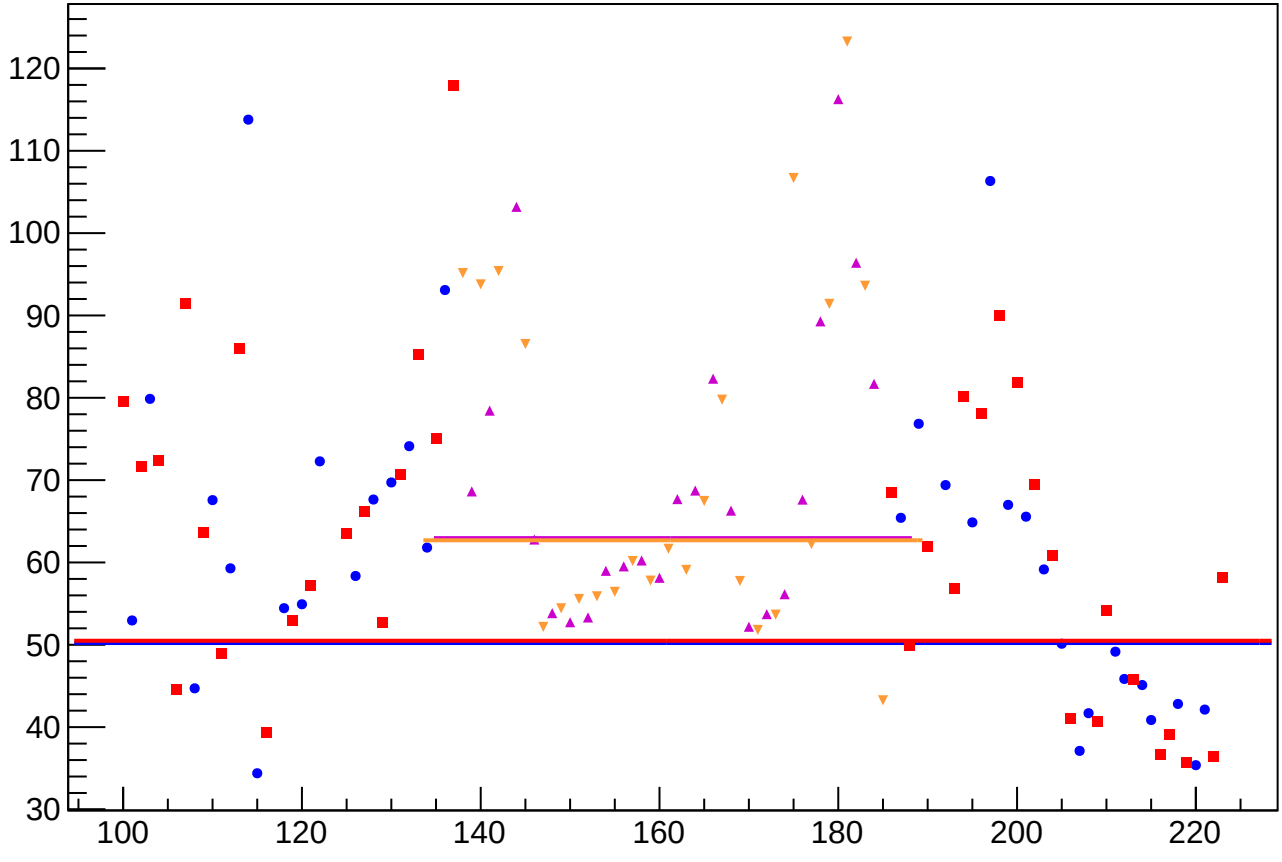
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.003+/-0.009 χ^2/NDF: 69.8/57

All: 0.003+/-0.007 χ^2/NDF: 146.3/117

- sign 0.009+/-0.009 χ^2/NDF: 75.7/59

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.213+/-0.008 χ^2/NDF: 2835569.8/33

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

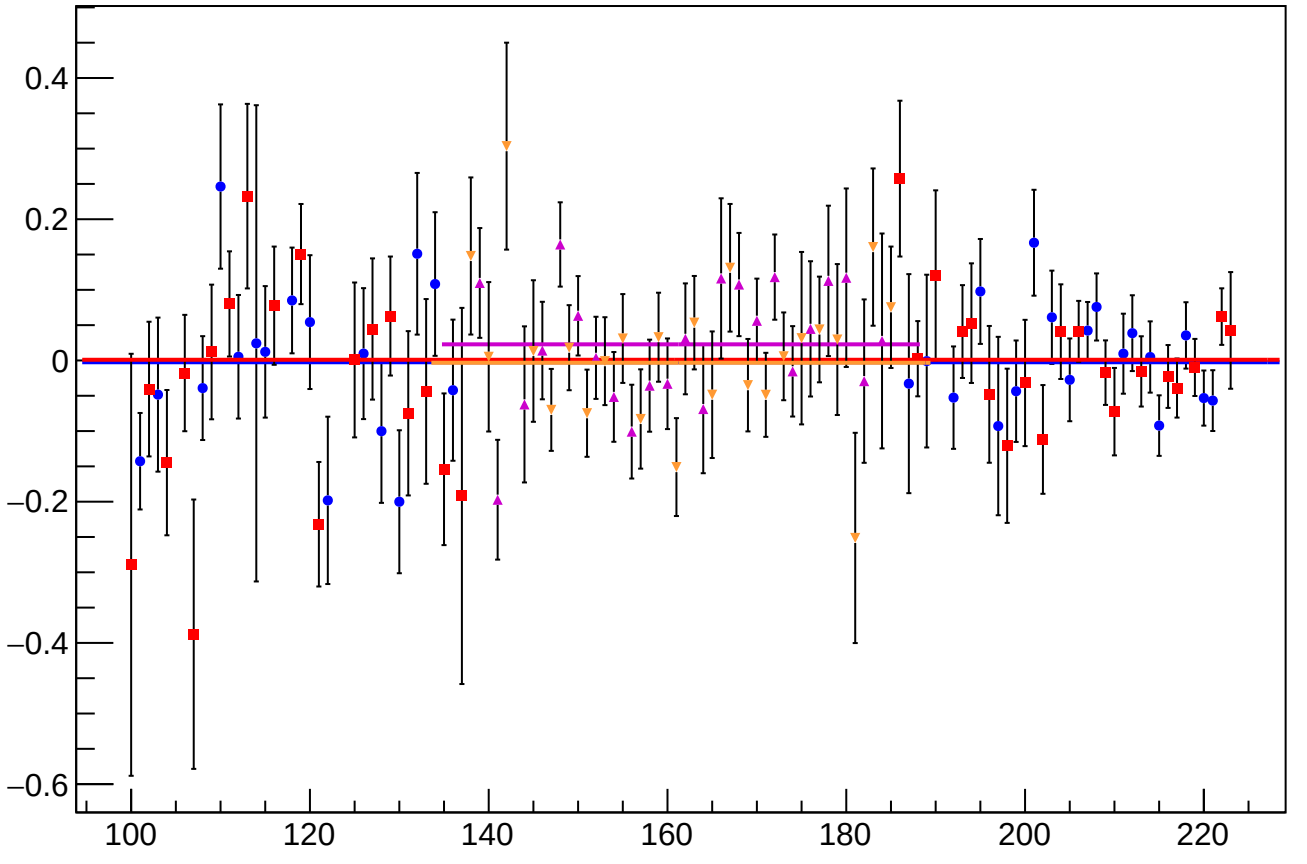
Right Out: 50.491+/-0.008 χ^2/NDF: 3324793.7/36

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

+ sign 54.676+/-0.007 χ^2/NDF: 5609130.2/57

All: 54.811+/-0.005 χ^2/NDF: 11197023.8/117

- sign 54.946+/-0.007 χ^2/NDF: 5587045.9/59



Right In: -0.003+/-0.012 χ^2/NDF: 43.9/33

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

Right Out: 0.001+/-0.012 χ^2/NDF: 45.5/36

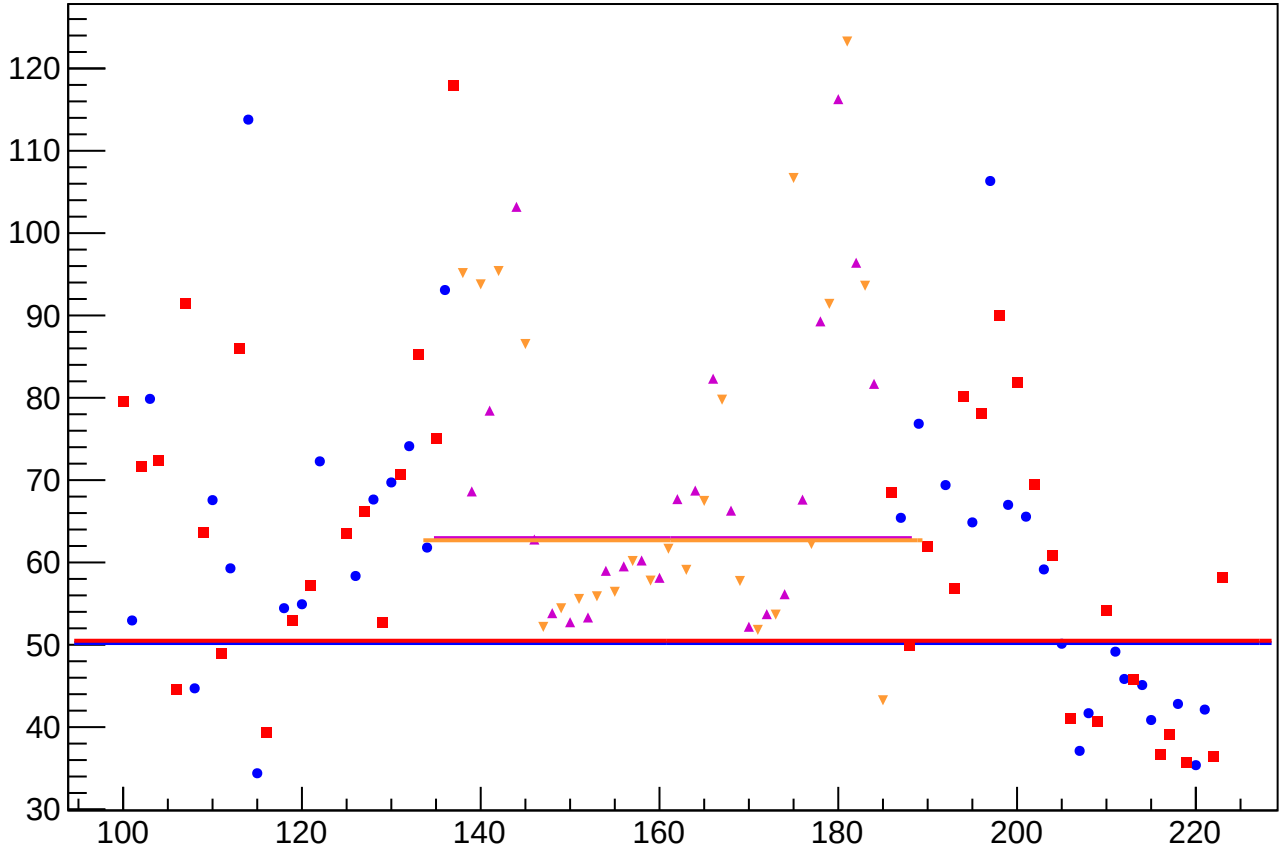
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.003+/-0.009 χ^2/NDF: 69.8/57

All: 0.003+/-0.007 χ^2/NDF: 146.3/117

- sign 0.009+/-0.009 χ^2/NDF: 75.7/59

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.213+/-0.008 χ^2/NDF: 2835569.8/33

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

Right Out: 50.491+/-0.008 χ^2/NDF: 3324793.7/36

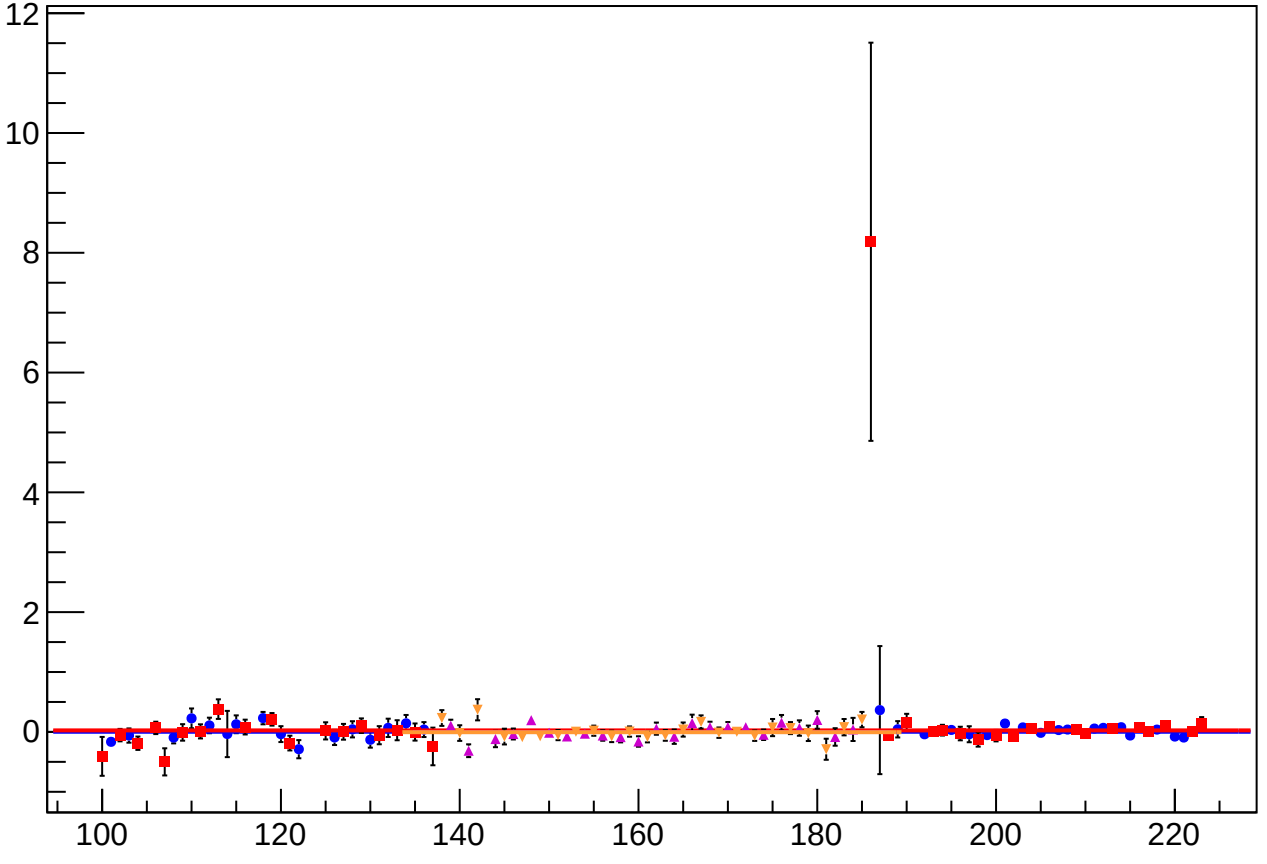
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 54.676+/-0.007 χ^2/NDF: 5609130.2/57

All: 54.811+/-0.005 χ^2/NDF: 11197023.8/117

- sign 54.946+/-0.007 χ^2/NDF: 5587045.9/59

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.003+/-0.015 χ^2/NDF: 35.5/33

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

Right Out: 0.025+/-0.015 χ^2/NDF: 44.1/36

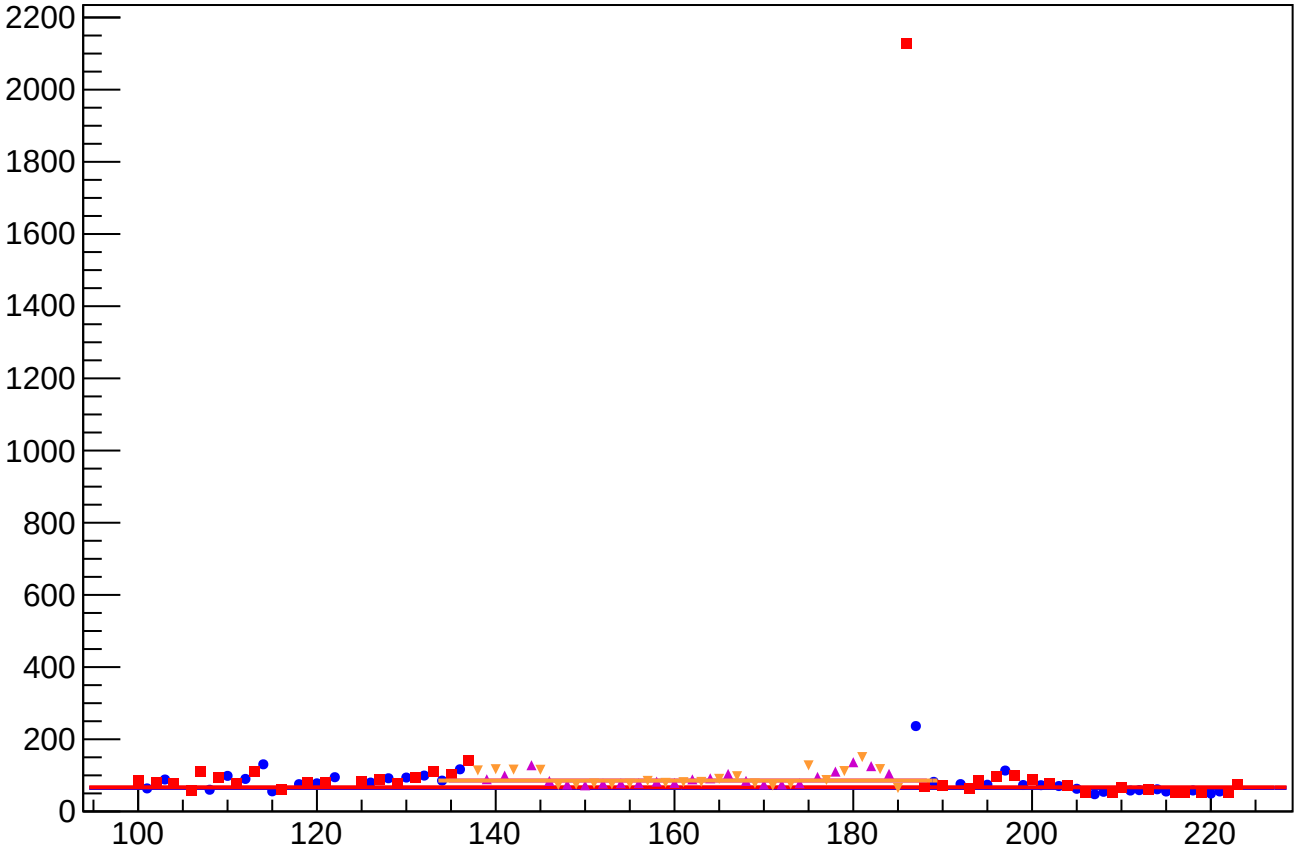
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.000+/-0.012 χ^2/NDF: 57.0/57

All: 0.008+/-0.009 χ^2/NDF: 133.6/117

- sign 0.016+/-0.012 χ^2/NDF: 75.7/59

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.094+/-0.010 χ^2/NDF: 2202273.9/33

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

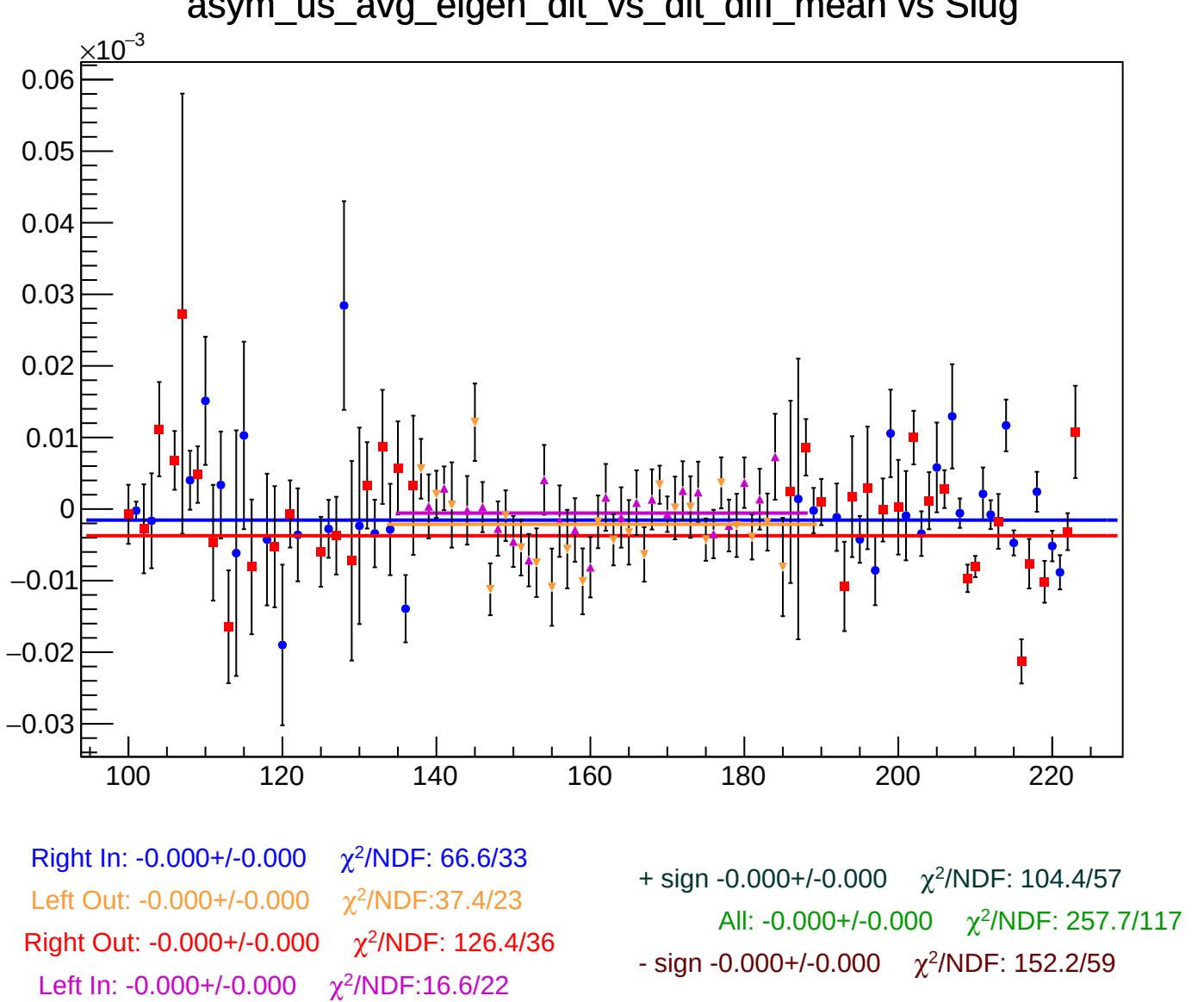
Right Out: 66.951+/-0.011 χ^2/NDF: 3001001.3/36

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

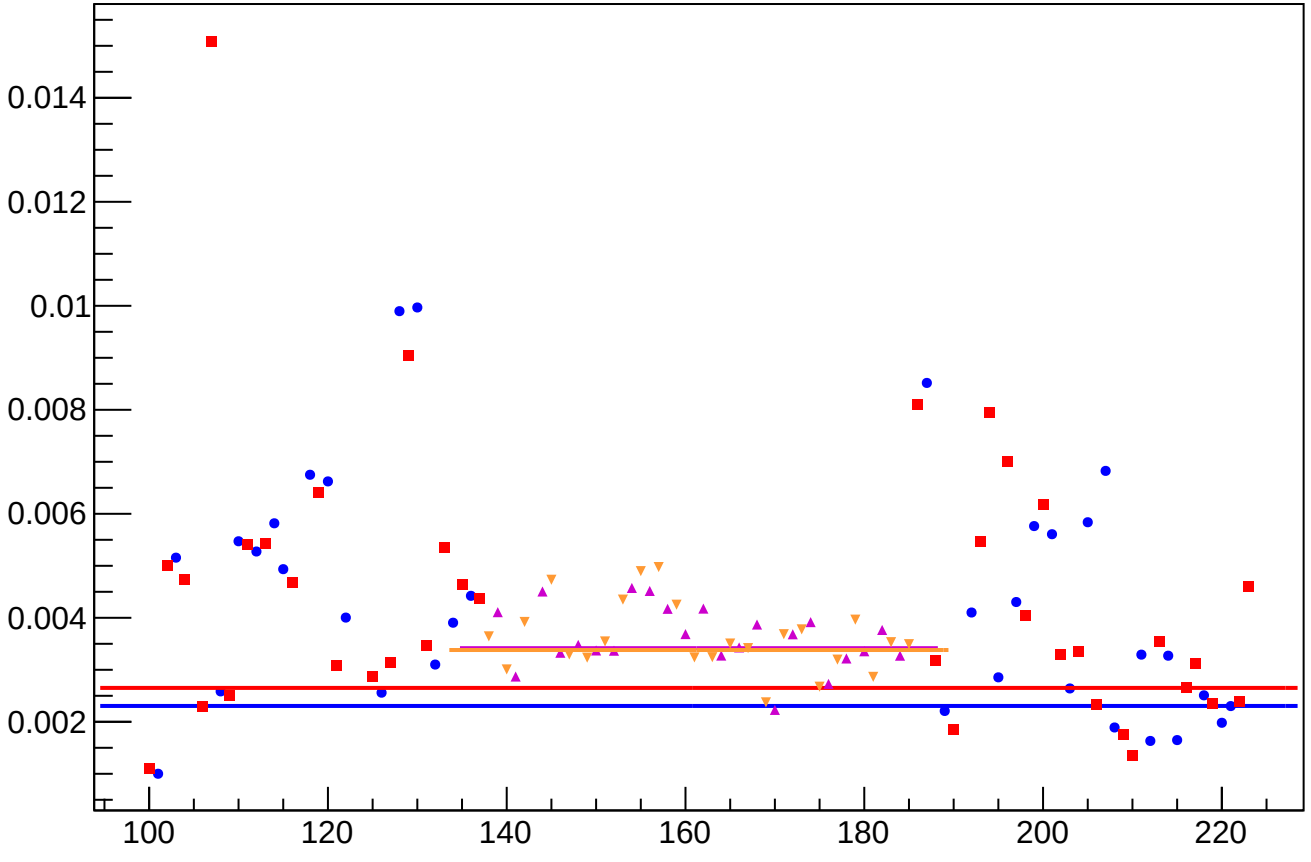
+ sign 71.996+/-0.008 χ^2/NDF: 4867453.0/57

All: 72.698+/-0.006 χ^2/NDF: 9952073.2/117

- sign 73.419+/-0.009 χ^2/NDF: 5070713.7/59


asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 66.6/33
Left Out: -0.000+/-0.000 χ²/NDF:37.4/23
Right Out: -0.000+/-0.000 χ²/NDF: 126.4/36
Left In: -0.000+/-0.000 χ²/NDF:16.6/22
+ sign -0.000+/-0.000 χ²/NDF: 104.4/57
All: -0.000+/-0.000 χ²/NDF: 257.7/117
- sign -0.000+/-0.000 χ²/NDF: 152.2/59

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10369446.7/33

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

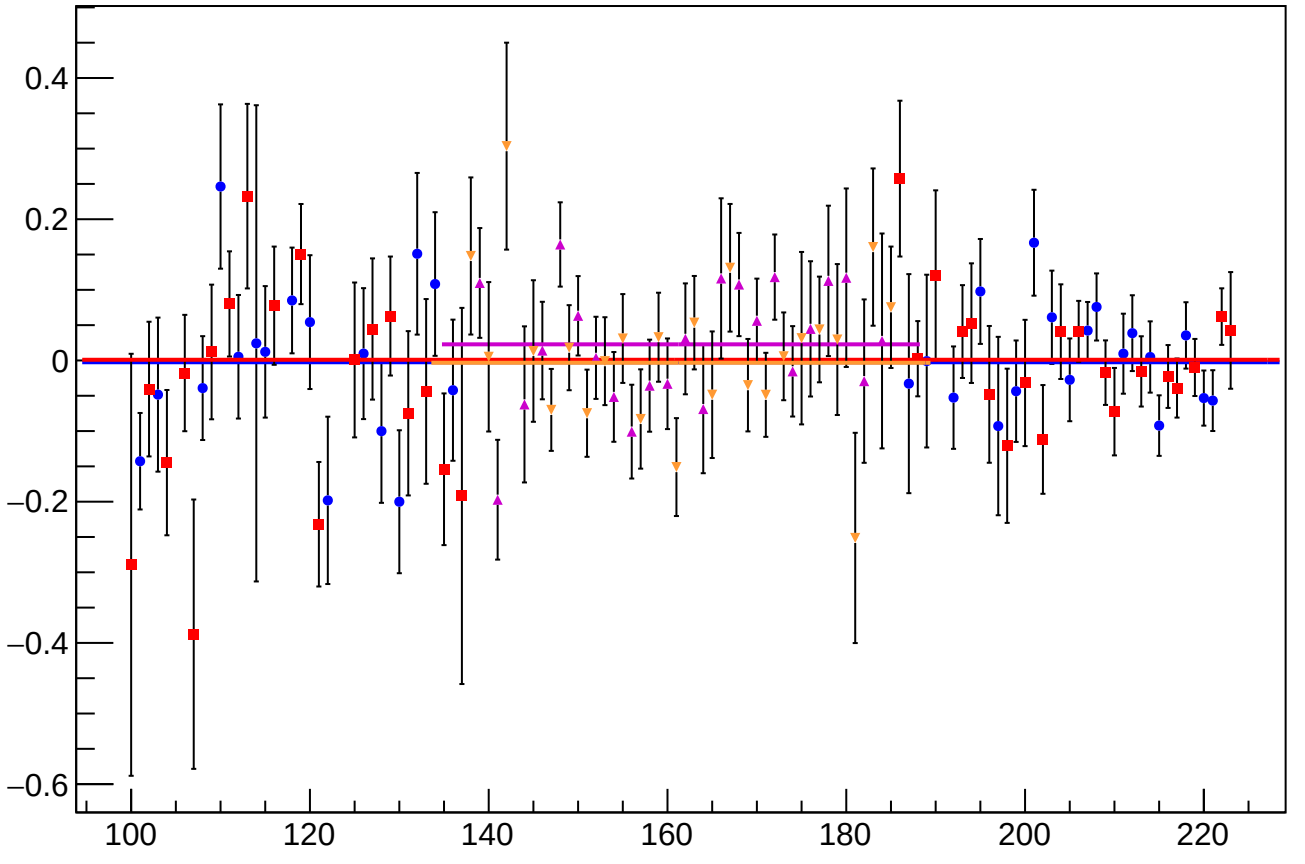
Right Out: 0.003+/-0.000 χ^2/NDF: 8556203.5/36

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

\+ sign 0.003+/-0.000 χ^2/NDF: 13905933.7/57

All: 0.003+/-0.000 χ^2/NDF: 25019392.2/117

\- sign 0.003+/-0.000 χ^2/NDF: 10796063.2/59



Right In: -0.003+/-0.012 χ^2/NDF: 43.9/33

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

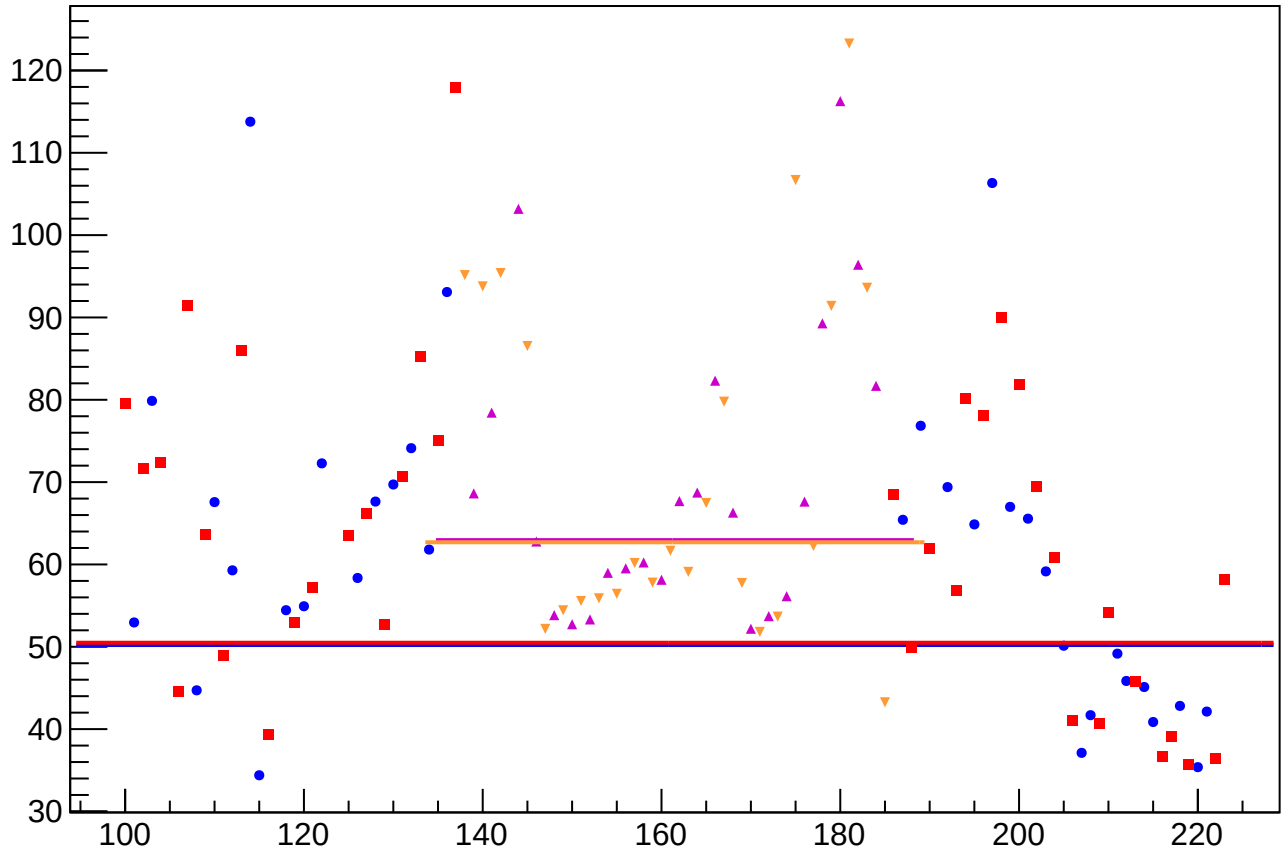
Right Out: 0.001+/-0.012 χ^2/NDF: 45.5/36

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

+ sign -0.003+/-0.009 χ^2/NDF: 69.8/57

All: 0.003+/-0.007 χ^2/NDF: 146.3/117

- sign 0.009+/-0.009 χ^2/NDF: 75.7/59



Right In: 50.213+/-0.008 χ^2/NDF: 2835374.3/33

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

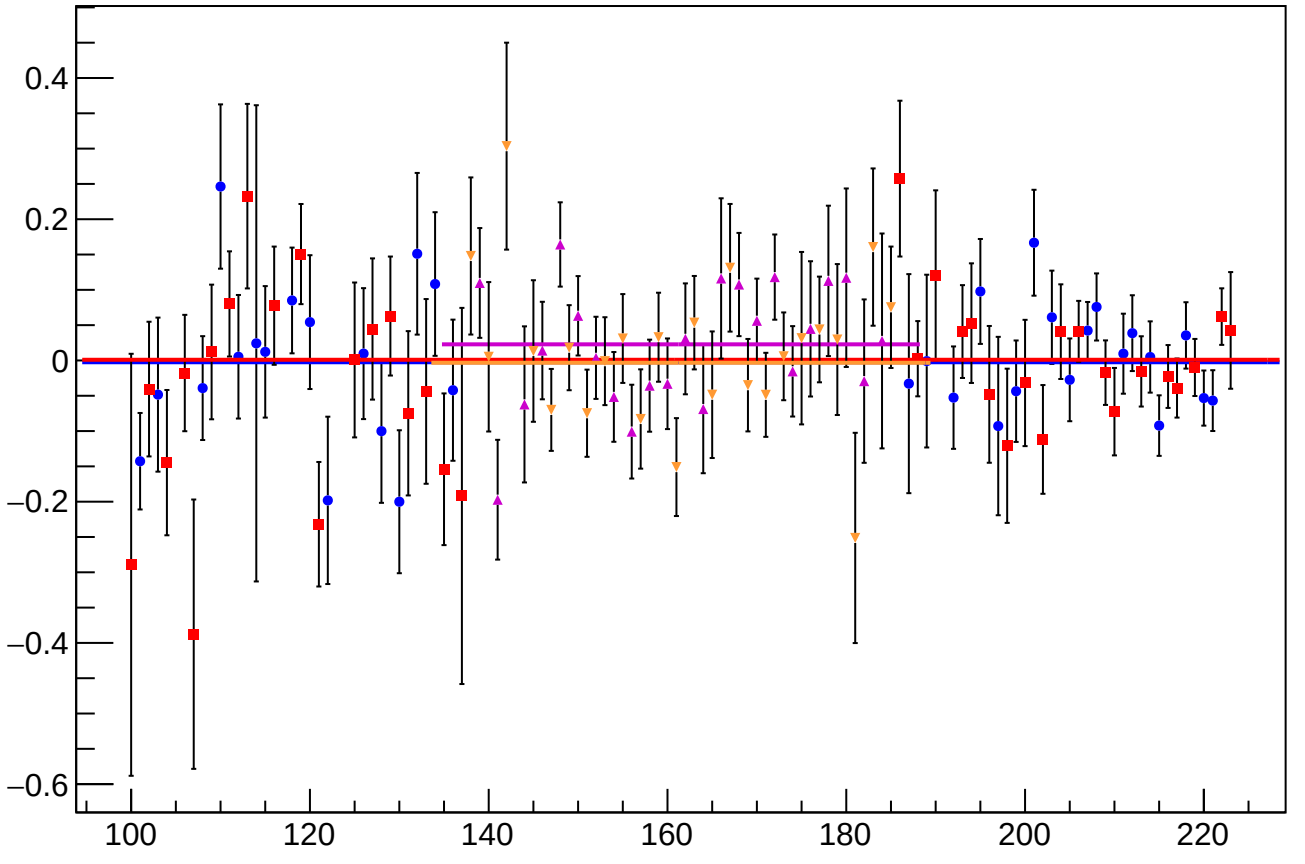
Right Out: 50.491+/-0.008 χ^2/NDF: 3324564.4/36

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

+ sign 54.677+/-0.007 χ^2/NDF: 5608907.4/57

All: 54.811+/-0.005 χ^2/NDF: 11196594.5/117

- sign 54.946+/-0.007 χ^2/NDF: 5586841.9/59



Right In: -0.003+/-0.012 χ^2/NDF: 43.9/33

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

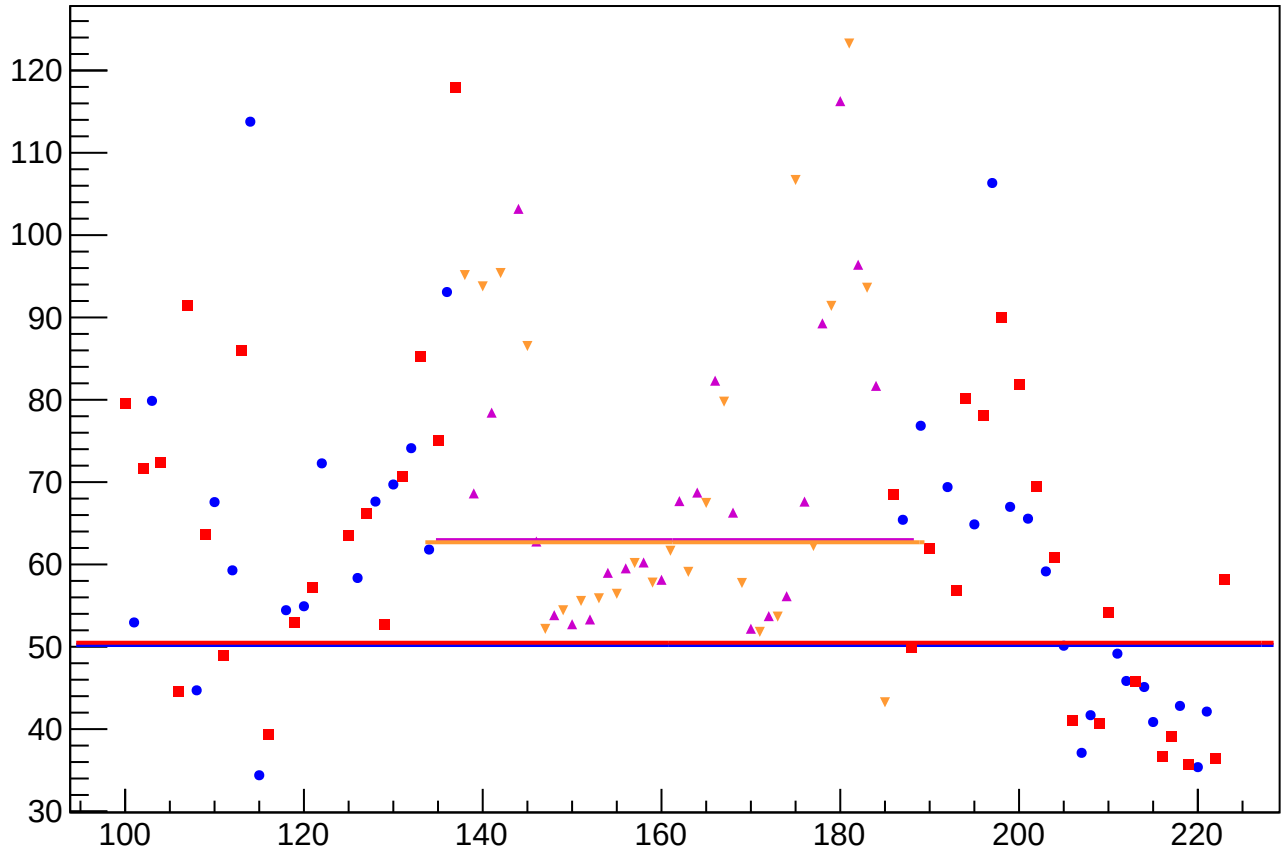
Right Out: 0.001+/-0.012 χ^2/NDF: 45.5/36

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

+ sign -0.003+/-0.009 χ^2/NDF: 69.8/57

All: 0.003+/-0.007 χ^2/NDF: 146.3/117

- sign 0.009+/-0.009 χ^2/NDF: 75.7/59



Right In: 50.213+/-0.008 χ^2/NDF: 2835374.3/33

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

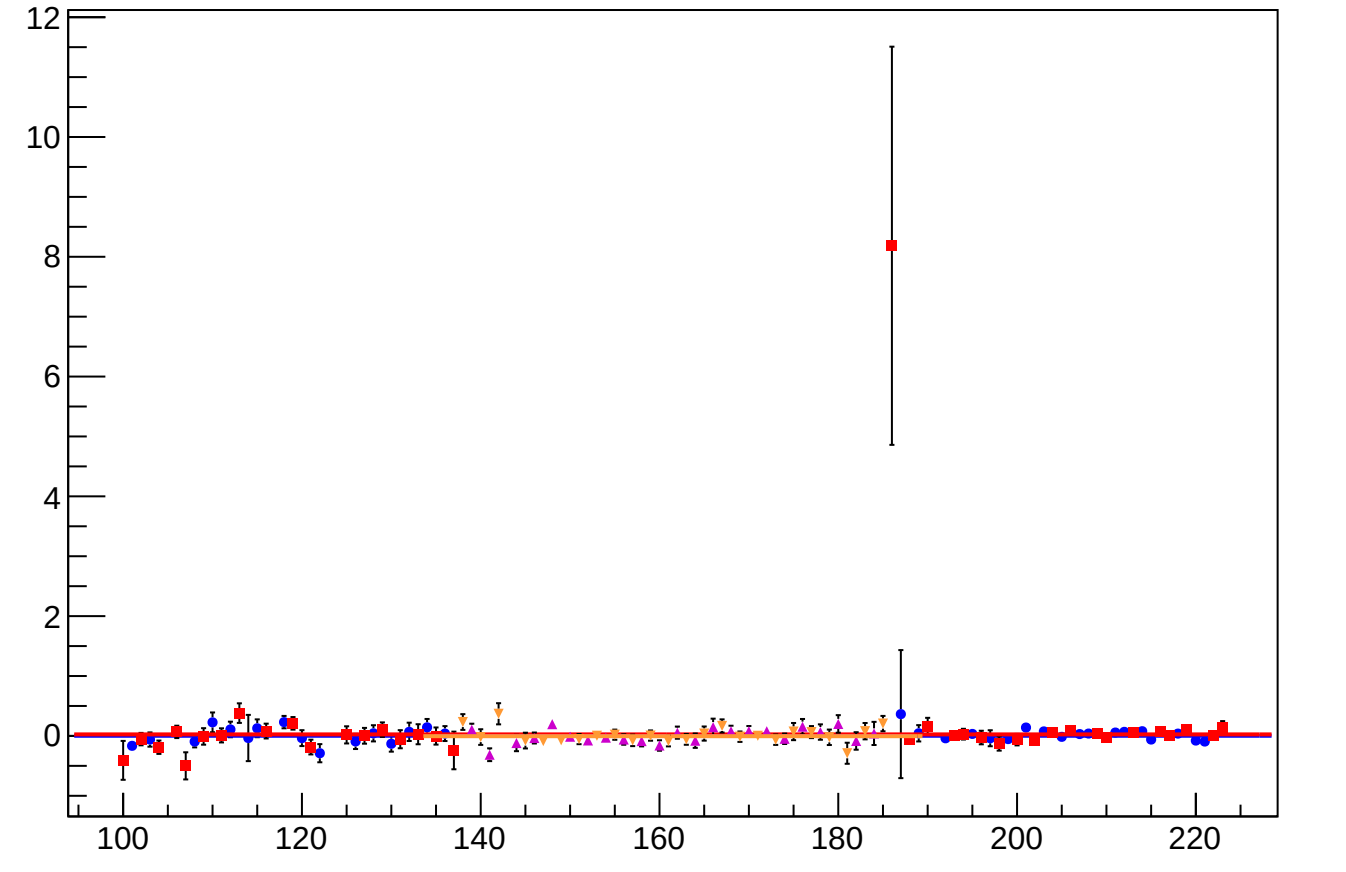
Right Out: 50.491+/-0.008 χ^2/NDF: 3324564.4/36

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

+ sign 54.677+/-0.007 χ^2/NDF: 5608907.4/57

All: 54.811+/-0.005 χ^2/NDF: 11196594.5/117

- sign 54.946+/-0.007 χ^2/NDF: 5586841.9/59



Right In: 0.003+/-0.015 χ^2/NDF: 35.5/33

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

Right Out: 0.025+/-0.015 χ^2/NDF: 44.1/36

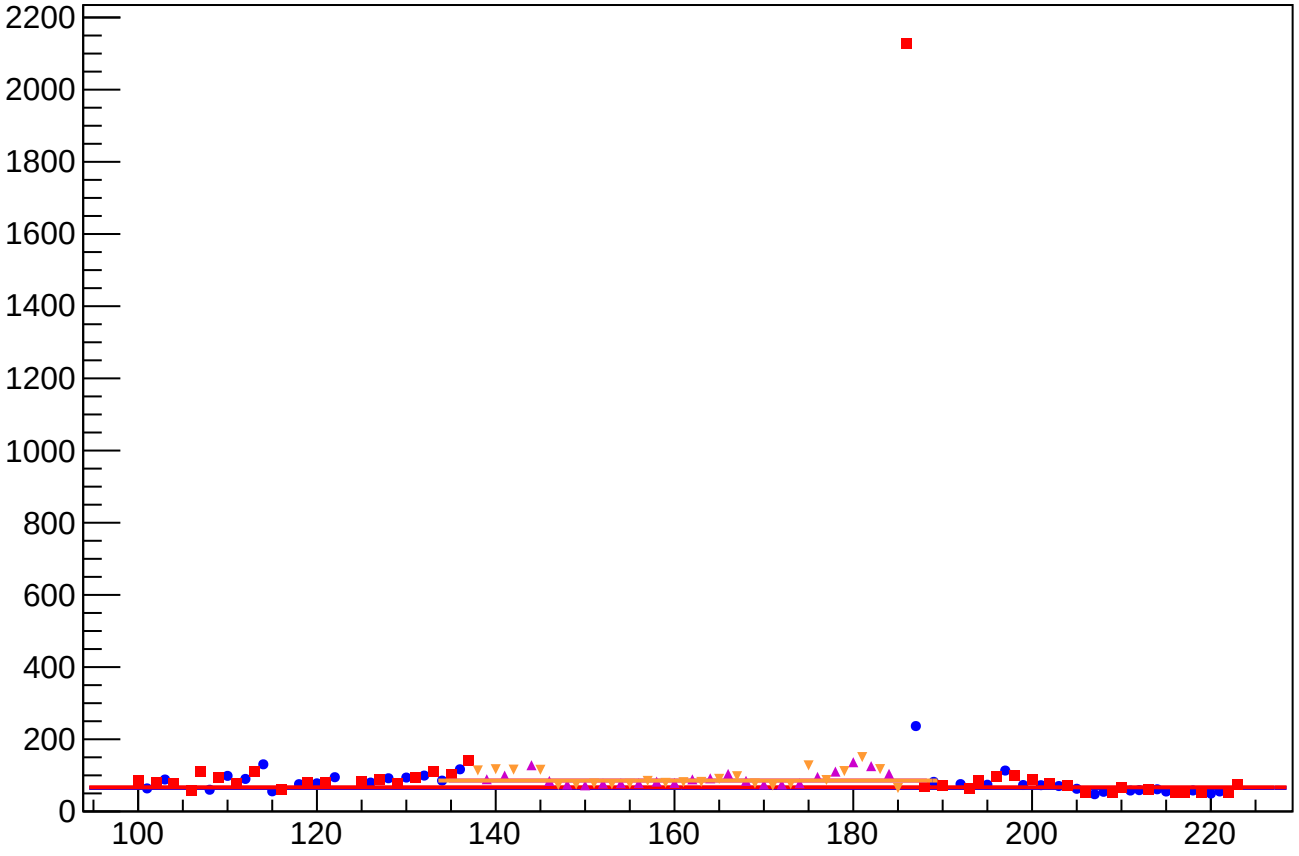
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.000+/-0.012 χ^2/NDF: 57.0/57

All: 0.008+/-0.009 χ^2/NDF: 133.6/117

- sign 0.016+/-0.012 χ^2/NDF: 75.7/59

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.094+/-0.010 χ^2/NDF: 2202133.7/33

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

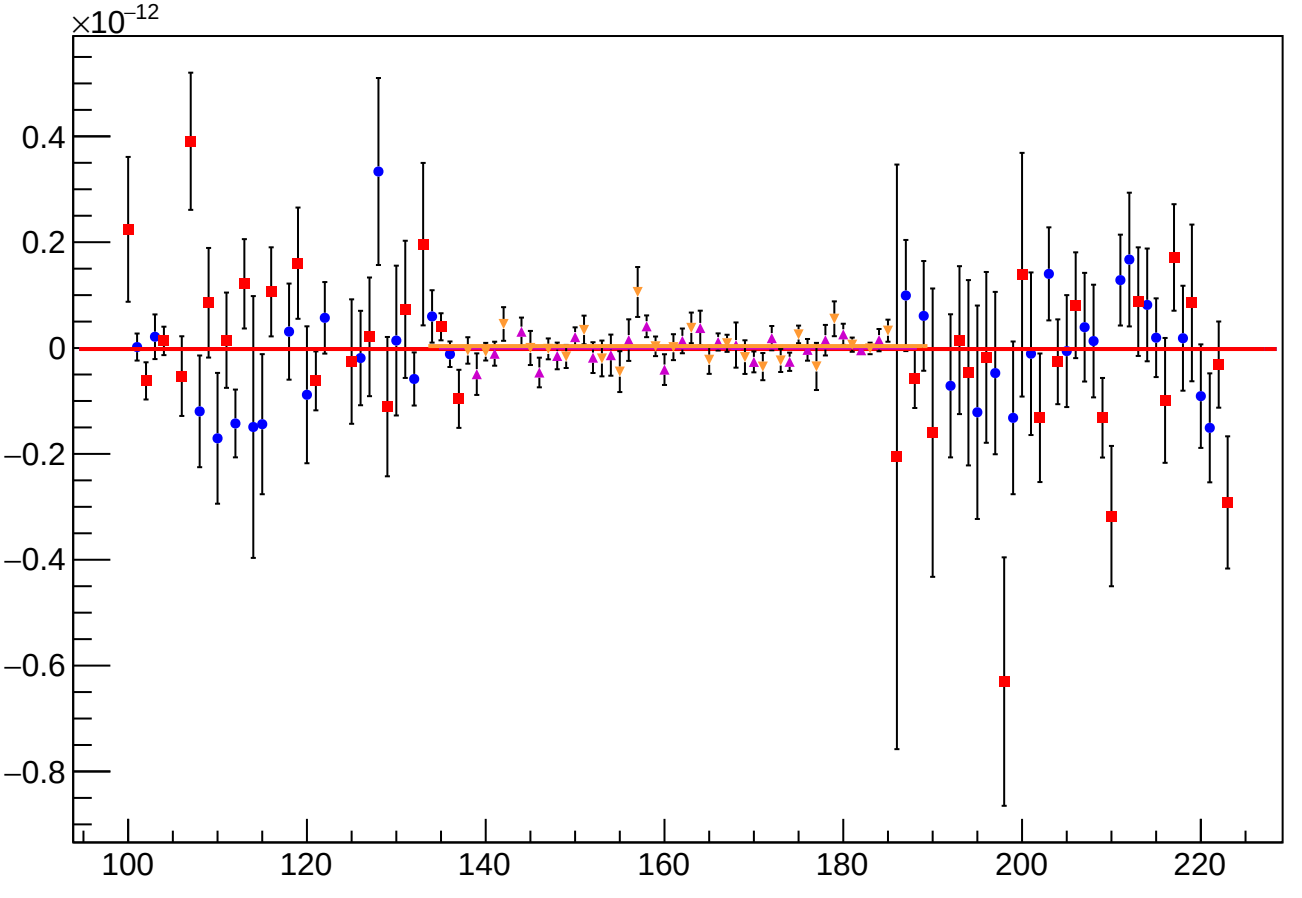
Right Out: 66.951+/-0.011 χ^2/NDF: 3000882.4/36

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

+ sign 71.996+/-0.008 χ^2/NDF: 4867292.1/57

All: 72.698+/-0.006 χ^2/NDF: 9951809.1/117

- sign 73.419+/-0.009 χ^2/NDF: 5070616.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/33

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

Right Out: -0.000+/-0.000 χ^2/NDF: 62.1/36

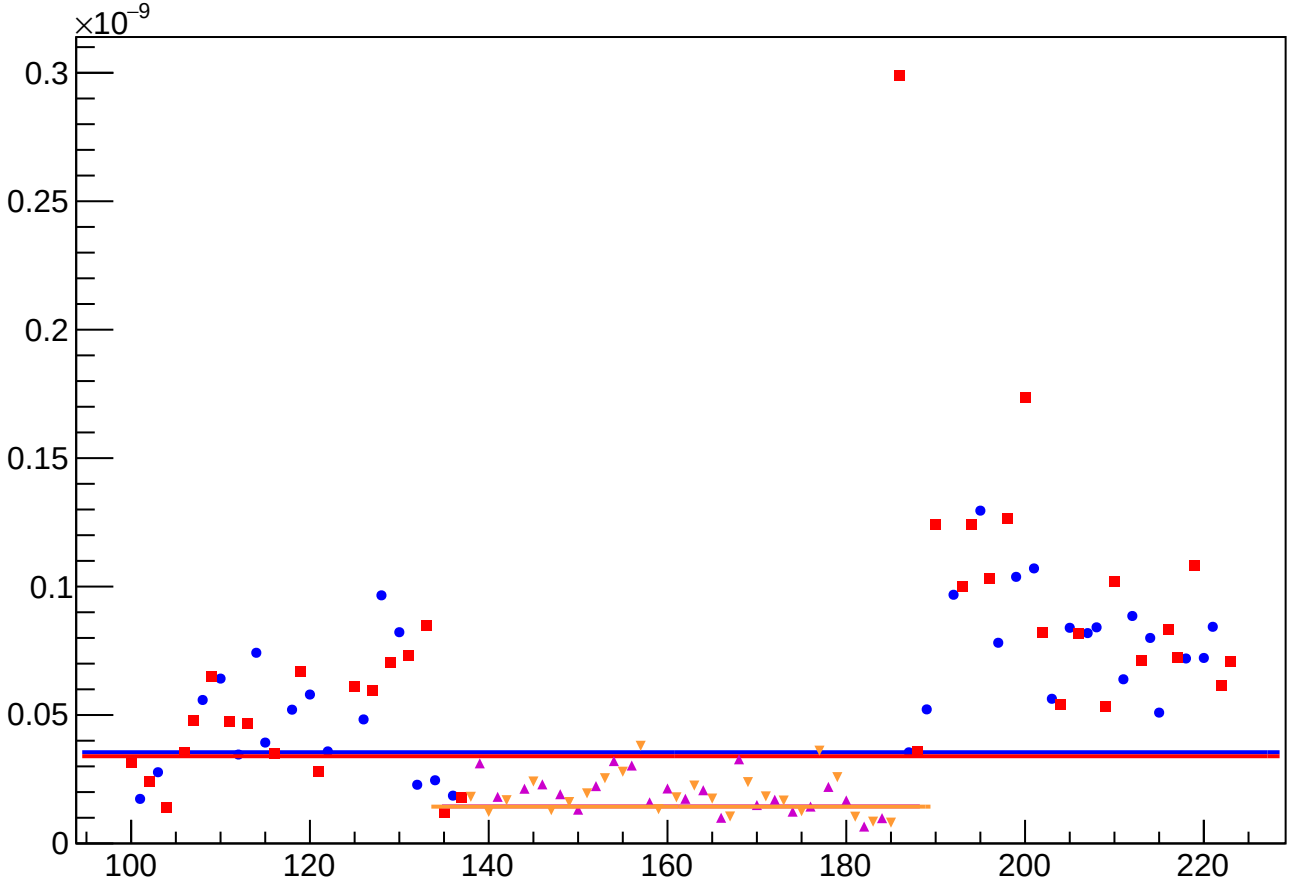
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/57

All: 0.000+/-0.000 χ^2/NDF: 142.2/117

- sign 0.000+/-0.000 χ^2/NDF: 85.8/59

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8444195.0/33

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

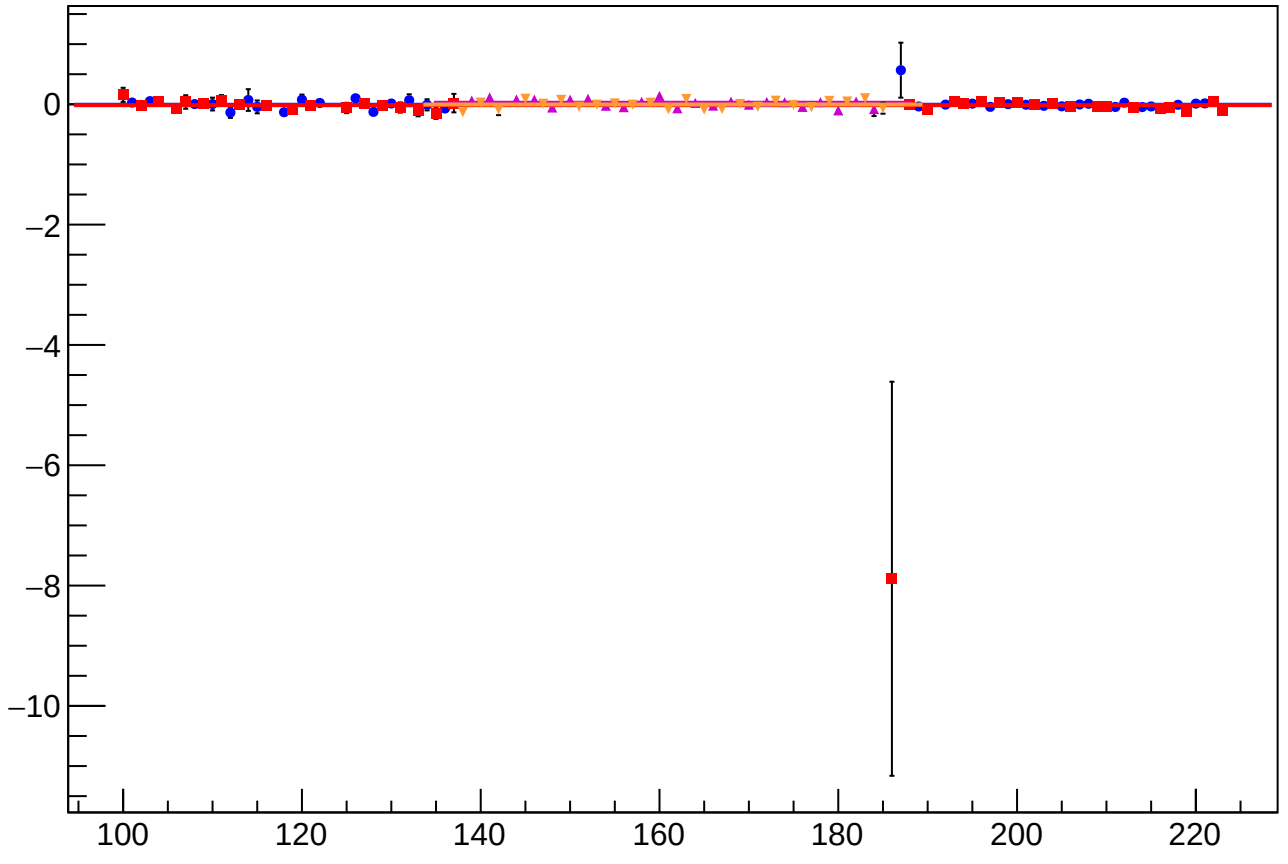
Right Out: 0.000+/-0.000 χ^2/NDF: 10628615.6/36

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

+ sign 0.000+/-0.000 χ^2/NDF: 17776371.3/57

All: 0.000+/-0.000 χ^2/NDF: 37451564.8/117

- sign 0.000+/-0.000 χ^2/NDF: 19674656.1/59



Right In: -0.008+/-0.007 χ^2/NDF: 26.1/33

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

Right Out: -0.014+/-0.007 χ^2/NDF: 54.7/36

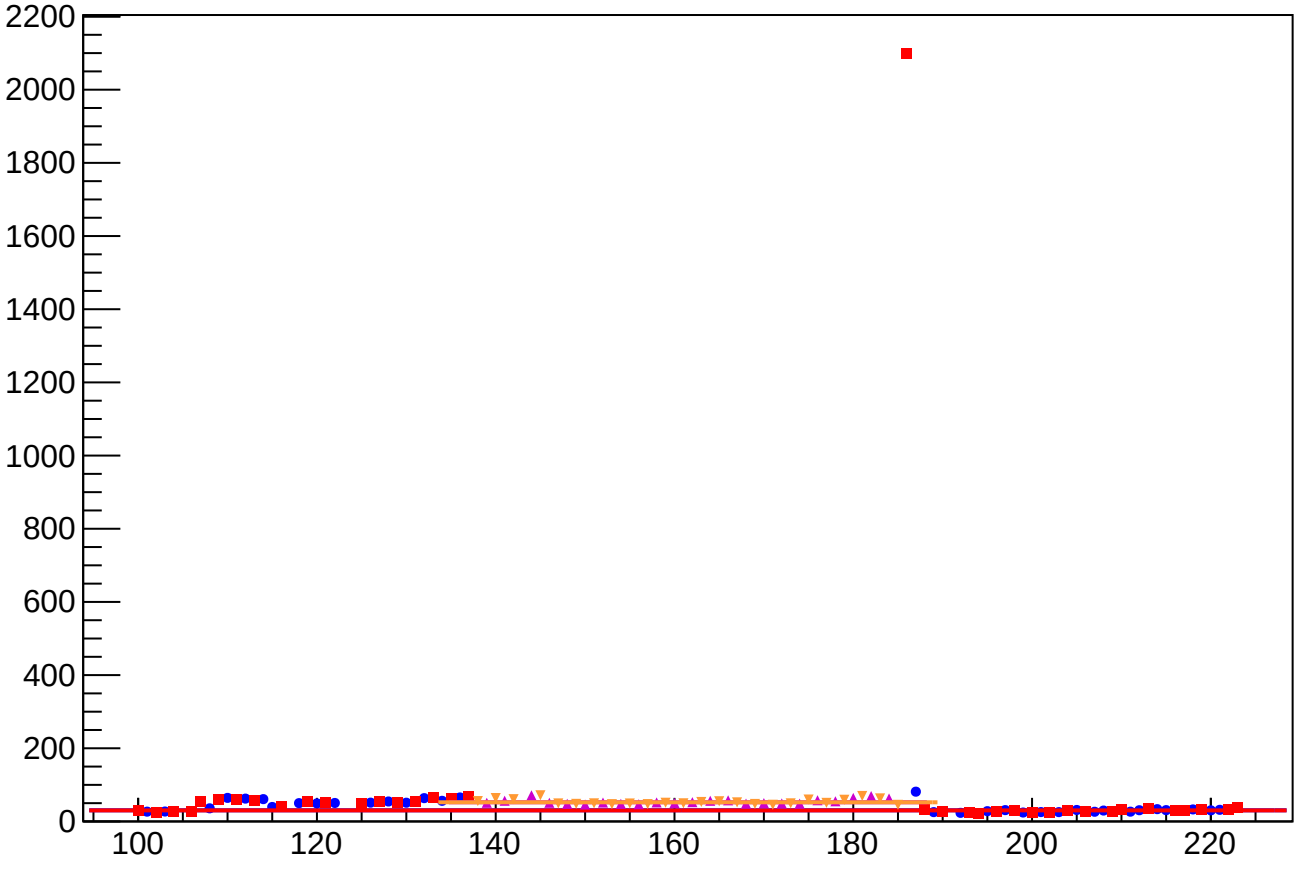
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.007+/-0.006 χ^2/NDF: 49.4/57

All: -0.006+/-0.004 χ^2/NDF: 136.2/117

- sign -0.005+/-0.006 χ^2/NDF: 86.8/59

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.532+/-0.005 χ^2/NDF: 2894490.6/33

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

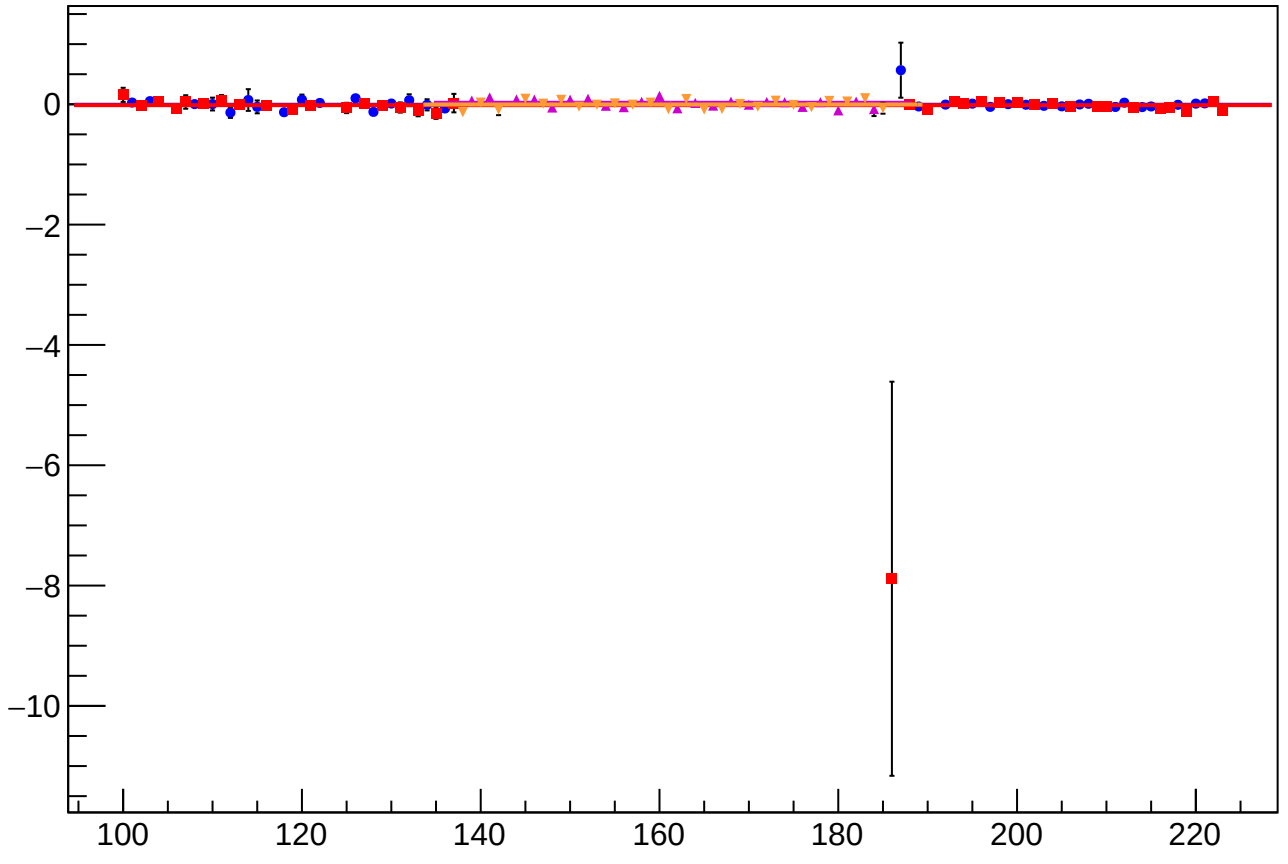
Right Out: 30.265+/-0.005 χ^2/NDF: 3954710.0/36

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

+ sign 35.747+/-0.004 χ^2/NDF: 8120216.9/57

All: 35.601+/-0.003 χ^2/NDF: 17356135.8/117

- sign 35.455+/-0.004 χ^2/NDF: 9233603.1/59



Right In: -0.008+/-0.007 χ^2/NDF: 26.1/33

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

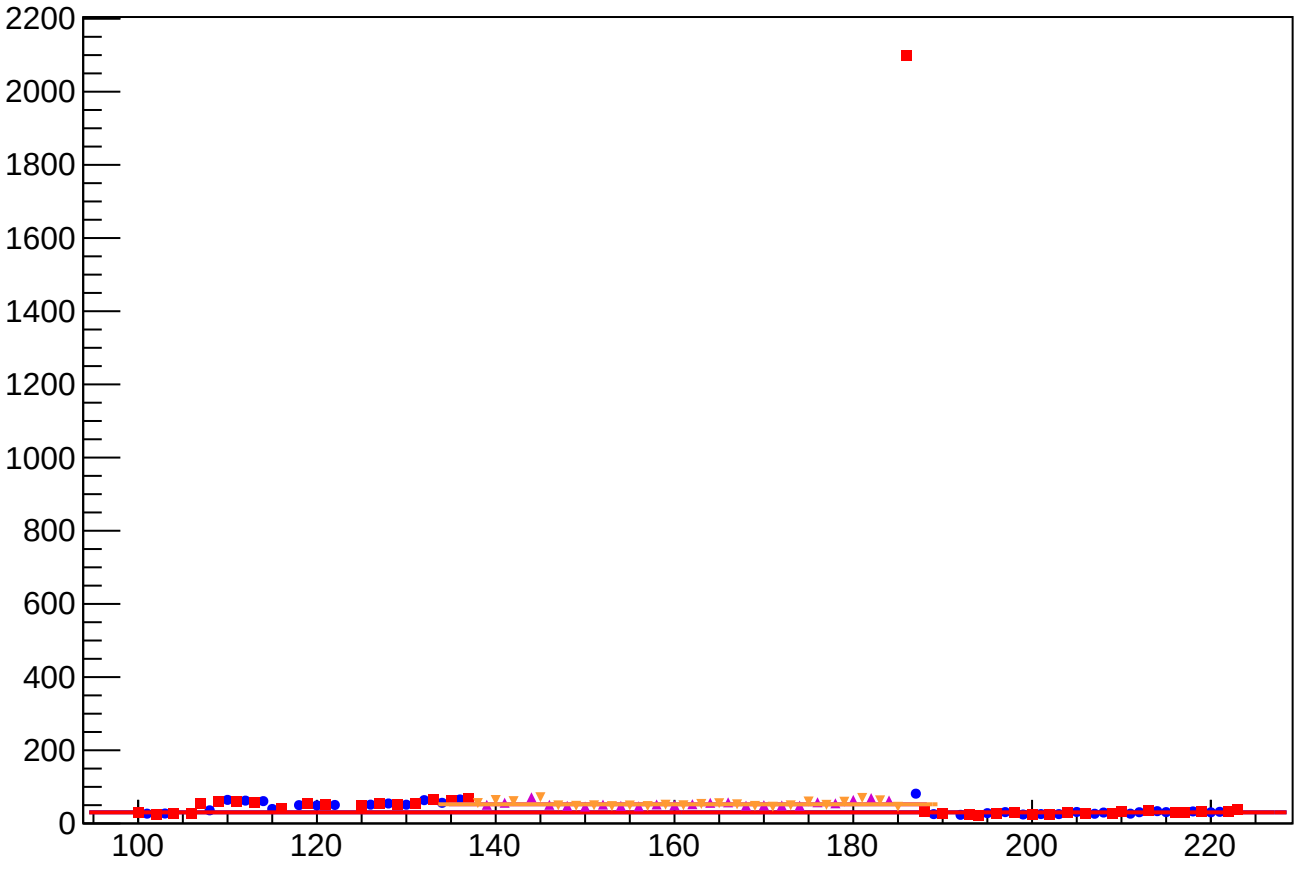
Right Out: -0.014+/-0.007 χ^2/NDF: 54.7/36

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

+ sign -0.007+/-0.006 χ^2/NDF: 49.4/57

All: -0.006+/-0.004 χ^2/NDF: 136.2/117

- sign -0.005+/-0.006 χ^2/NDF: 86.8/59



Right In: 30.532+/-0.005 χ^2/NDF: 2894490.6/33

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

Right Out: 30.265+/-0.005 χ^2/NDF: 3954710.0/36

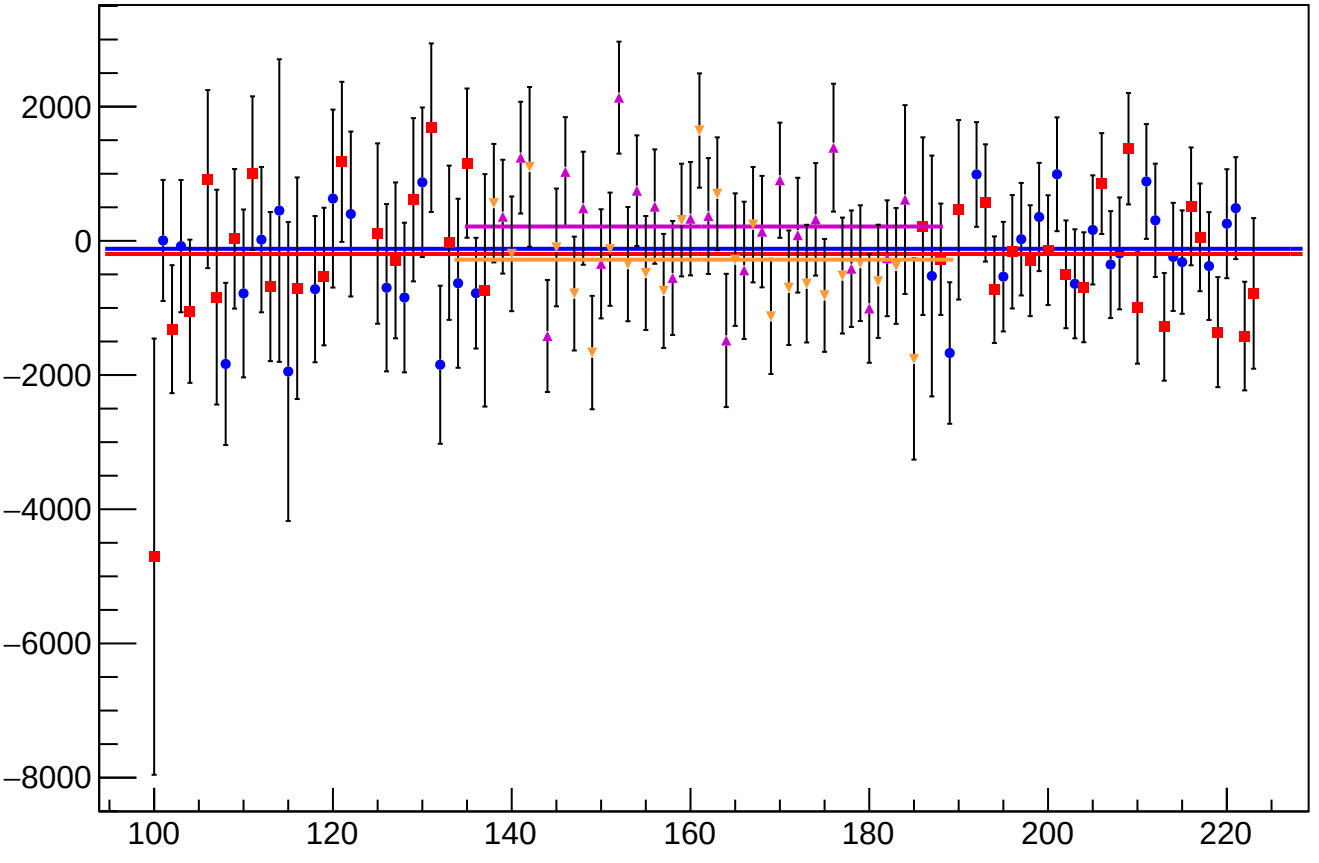
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 35.747+/-0.004 χ^2/NDF: 8120216.9/57

All: 35.601+/-0.003 χ^2/NDF: 17356135.8/117

- sign 35.455+/-0.004 χ^2/NDF: 9233603.1/59

reg_asym_us_dd_mean vs Slug



Right In: -118.465+/-163.272 χ^2/NDF: 18.1/33

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

Right Out: -196.222+/-162.644 χ^2/NDF: 27.7/36

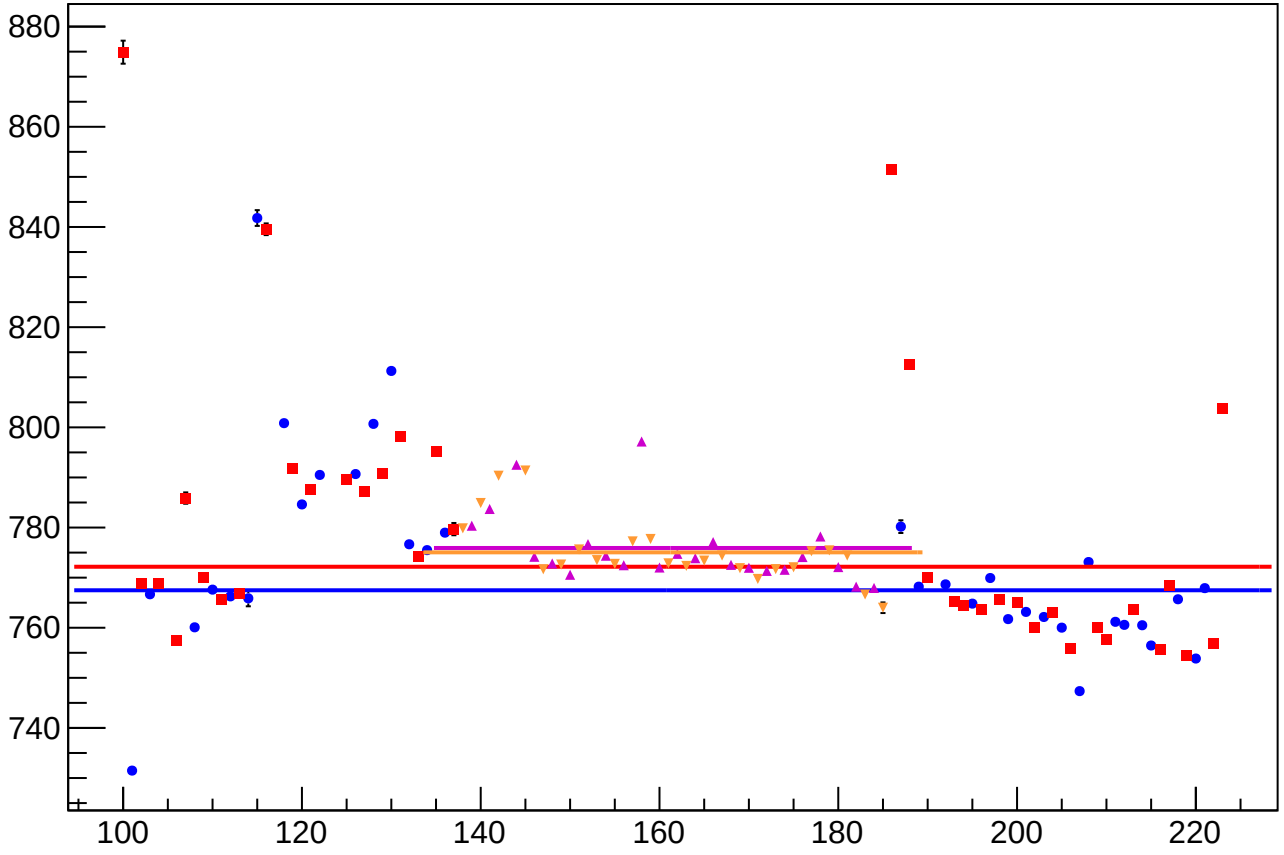
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -191.597+/-120.897 χ^2/NDF: 34.7/57

All: -102.597+/-85.533 χ^2/NDF: 88.7/117

- sign -13.406+/-121.027 χ^2/NDF: 52.9/59

reg_asym_us_dd_rms vs Slug



Right In: 767.480+/-0.115 χ^2/NDF: 17840.0/33

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

Right Out: 772.176+/-0.115 χ^2/NDF: 29490.5/36

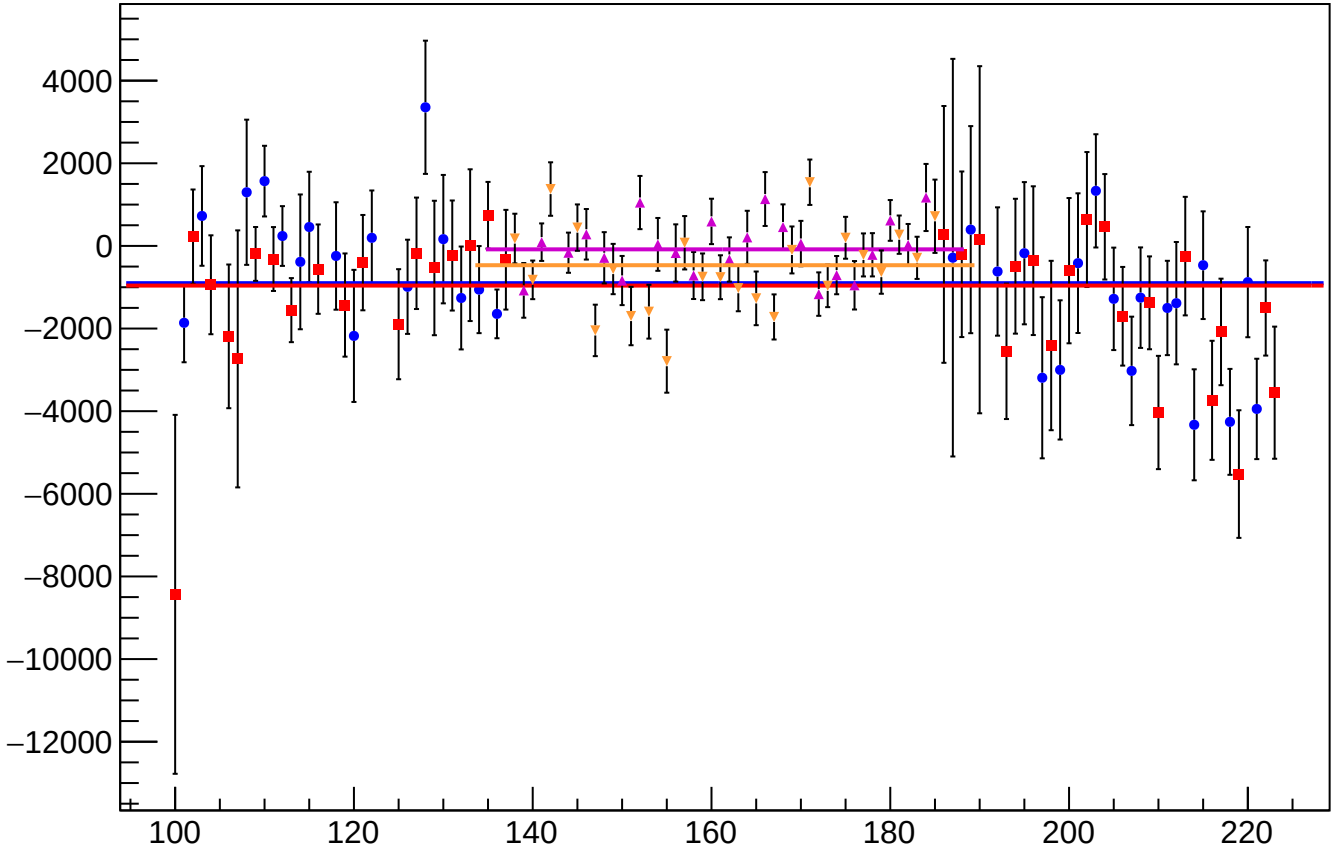
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 770.899+/-0.085 χ^2/NDF: 21733.2/57

All: 772.372+/-0.060 χ^2/NDF: 55264.2/117

- sign 773.848+/-0.086 χ^2/NDF: 32936.8/59

asym_us_dd_reg_correction_mean vs Slug



Right In: -901.856+/-210.197 χ^2/NDF: 56.4/33

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

Right Out: -960.038+/-210.154 χ^2/NDF: 40.3/36

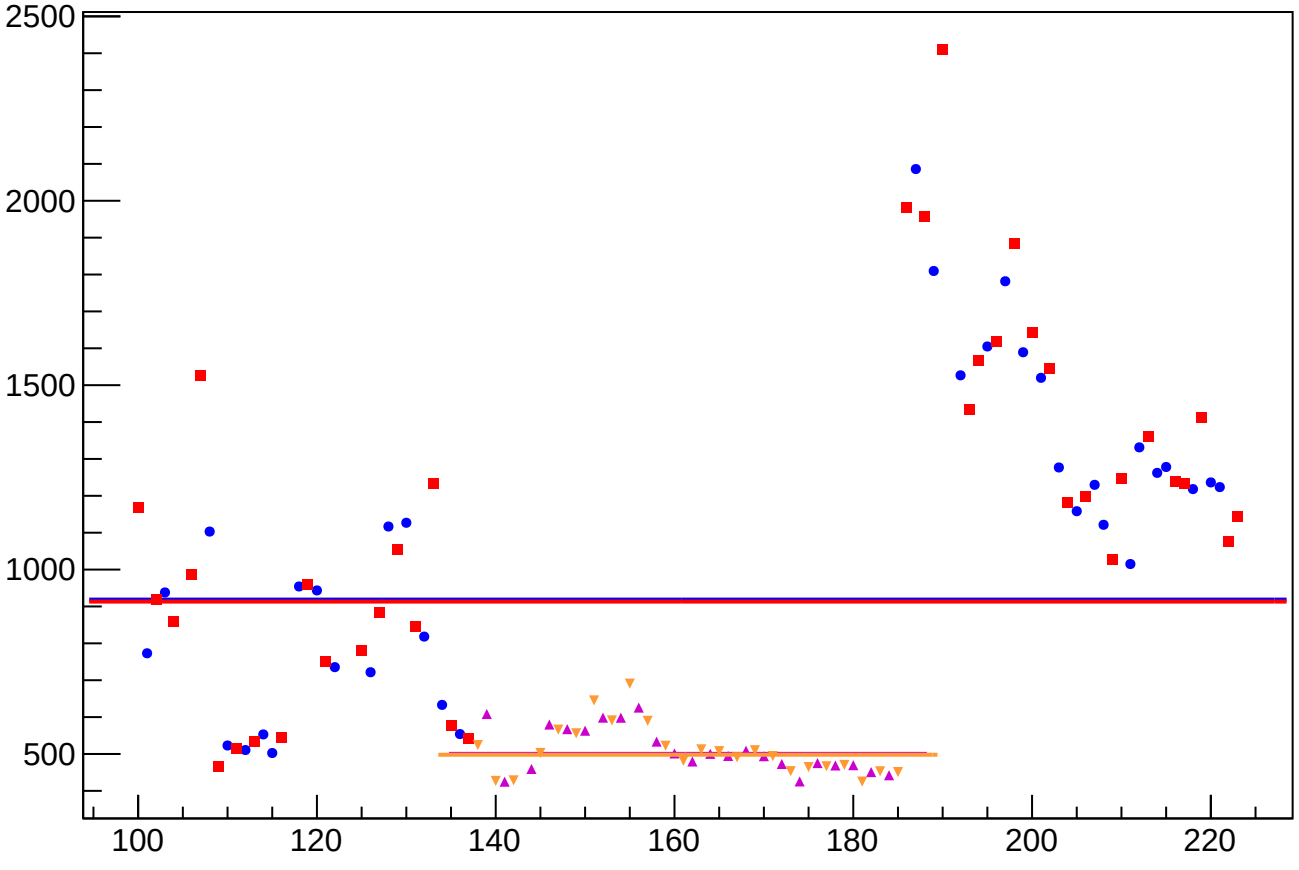
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -569.590+/-102.038 χ^2/NDF: 124.1/57

All: -432.186+/-72.407 χ^2/NDF: 209.5/117

- sign -292.825+/-102.763 χ^2/NDF: 81.7/59

asym_us_dd_reg_correction_rms vs Slug



Right In: 918.613+/-0.149 χ^2/NDF: 5669045.2/33

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

Right Out: 913.237+/-0.149 χ^2/NDF: 6960432.7/36

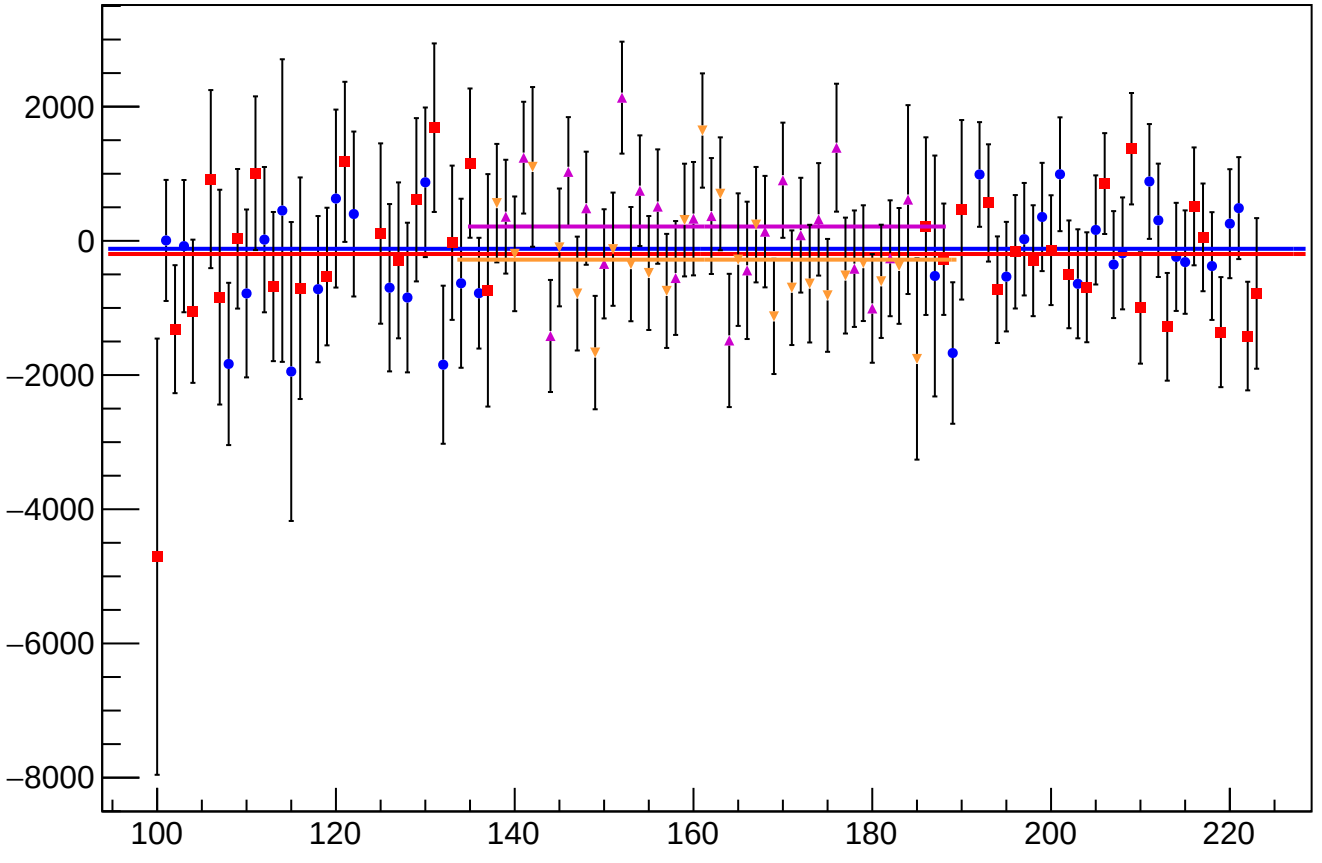
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 597.092+/-0.072 χ^2/NDF: 12318171.2/57

All: 598.060+/-0.051 χ^2/NDF: 25631660.7/11

- sign 599.042+/-0.073 χ^2/NDF: 13313127.0/59

cor_asym_us_dd_mean vs Slug



Right In: -118.465+/-163.272 χ^2/NDF: 18.1/33

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

Right Out: -196.222+/-162.644 χ^2/NDF: 27.7/36

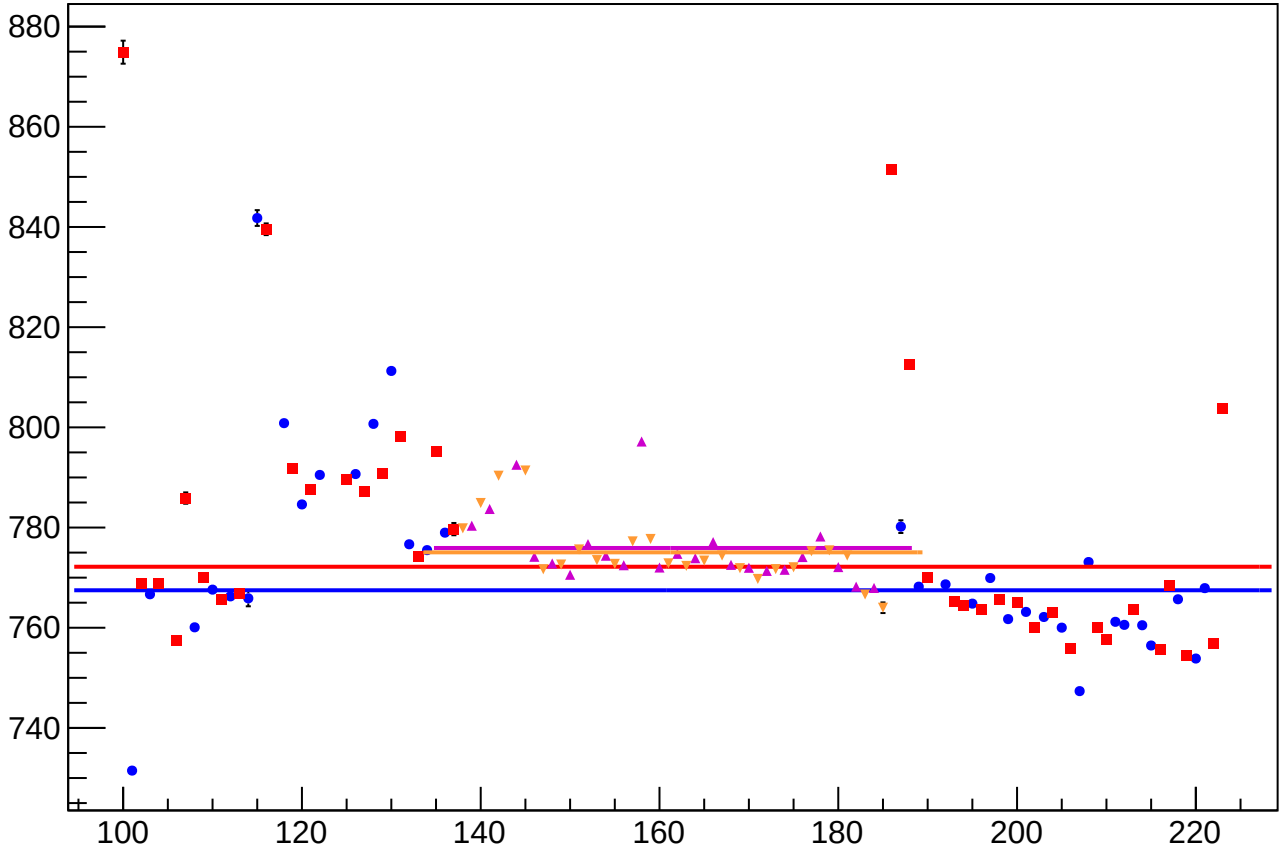
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -191.597+/-120.897 χ^2/NDF: 34.7/57

All: -102.597+/-85.533 χ^2/NDF: 88.7/117

- sign -13.406+/-121.027 χ^2/NDF: 52.9/59

cor_asym_us_dd_rms vs Slug



Right In: 767.480+/-0.115 χ^2/NDF: 17840.0/33

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

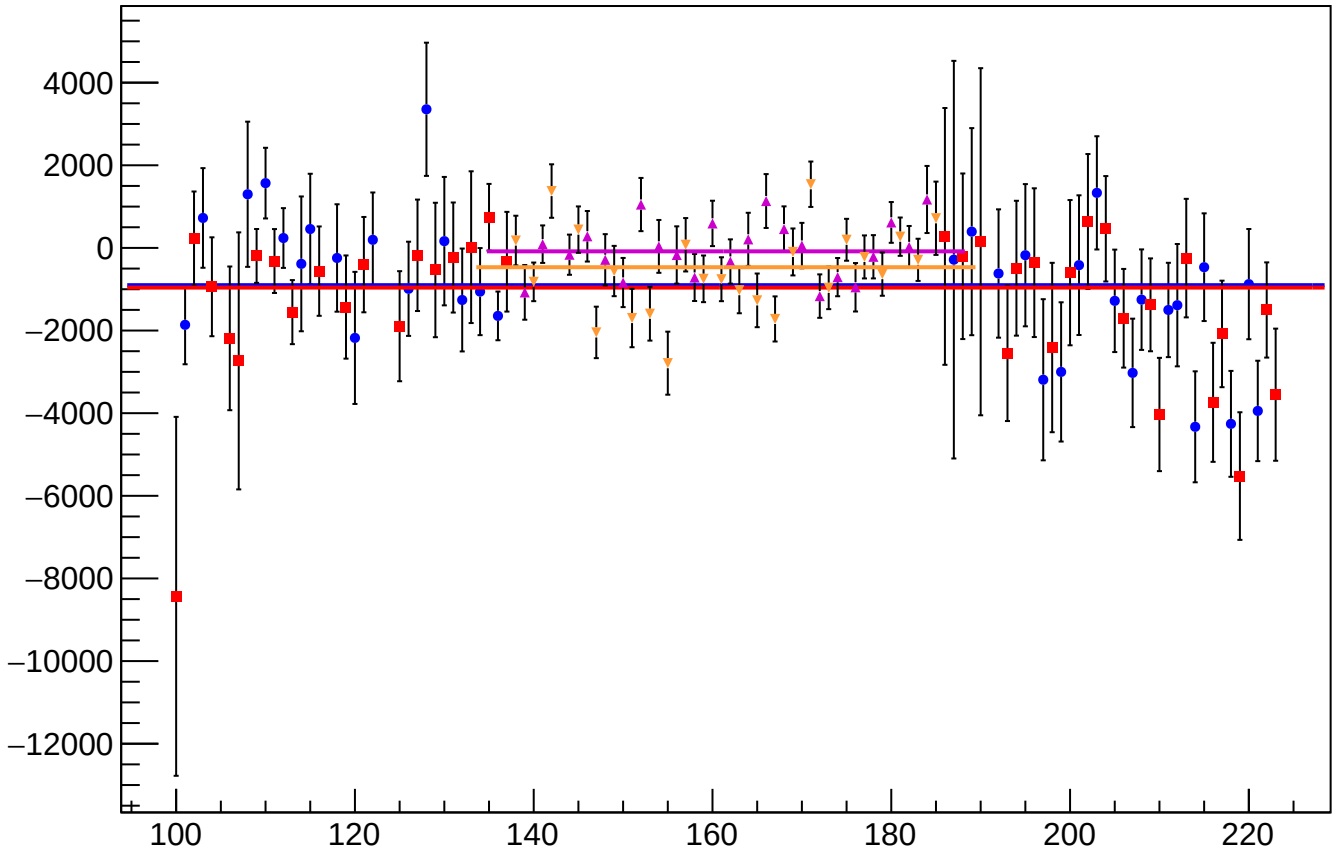
Right Out: 772.176+/-0.115 χ^2/NDF: 29490.5/36

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

+ sign 770.899+/-0.085 χ^2/NDF: 21733.2/57

All: 772.372+/-0.060 χ^2/NDF: 55264.2/117

- sign 773.848+/-0.086 χ^2/NDF: 32936.8/59



Right In: -901.856+/-210.197 χ^2/NDF: 56.4/33

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

Right Out: -960.038+/-210.154 χ^2/NDF: 40.3/36

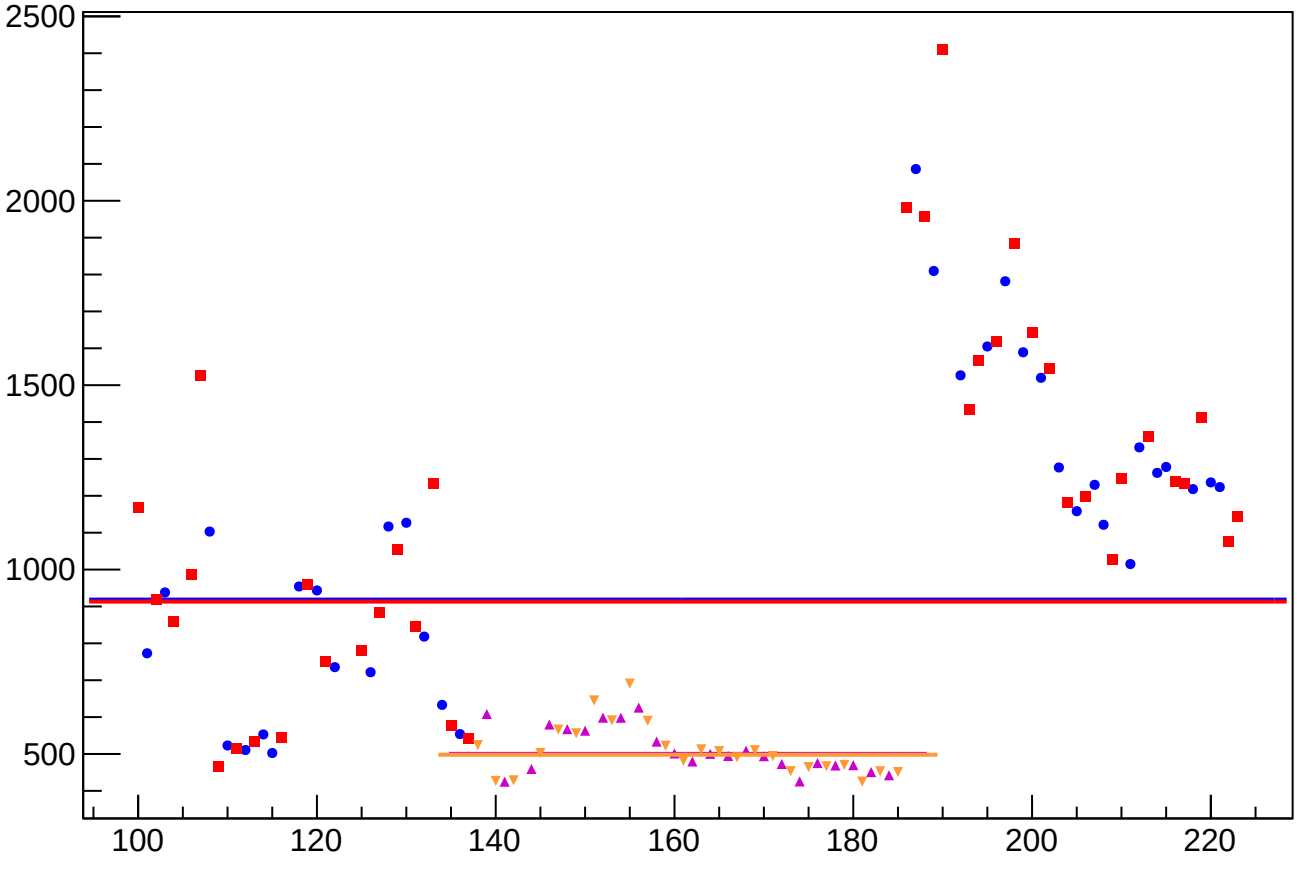
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -569.590+/-102.038 χ^2/NDF: 124.1/57

All: -432.186+/-72.407 χ^2/NDF: 209.5/117

- sign -292.825+/-102.763 χ^2/NDF: 81.7/59

asym_us_dd_cor_correction_rms vs Slug



Right In: 918.613+/-0.149 χ^2/NDF: 5669045.2/33

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

Right Out: 913.237+/-0.149 χ^2/NDF: 6960432.7/36

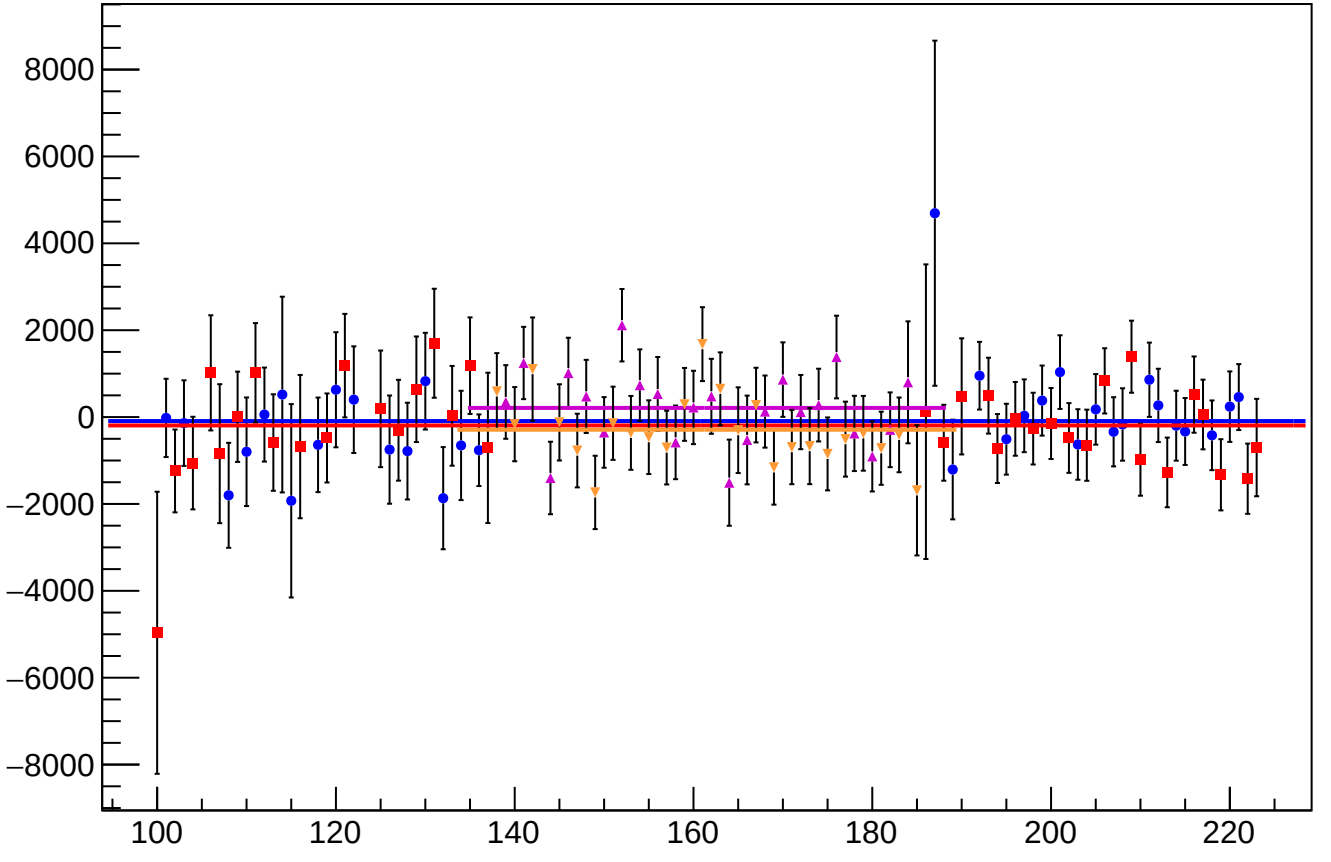
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 597.092+/-0.072 χ^2/NDF: 12318171.2/57

All: 598.060+/-0.051 χ^2/NDF: 25631660.7/11

- sign 599.042+/-0.073 χ^2/NDF: 13313127.0/59

overload_cor_asym_us_dd_mean vs Slug



Right In: -91.694+/-163.985 χ^2/NDF: 17.9/33

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

Right Out: -192.767+/-163.908 χ^2/NDF: 27.7/36

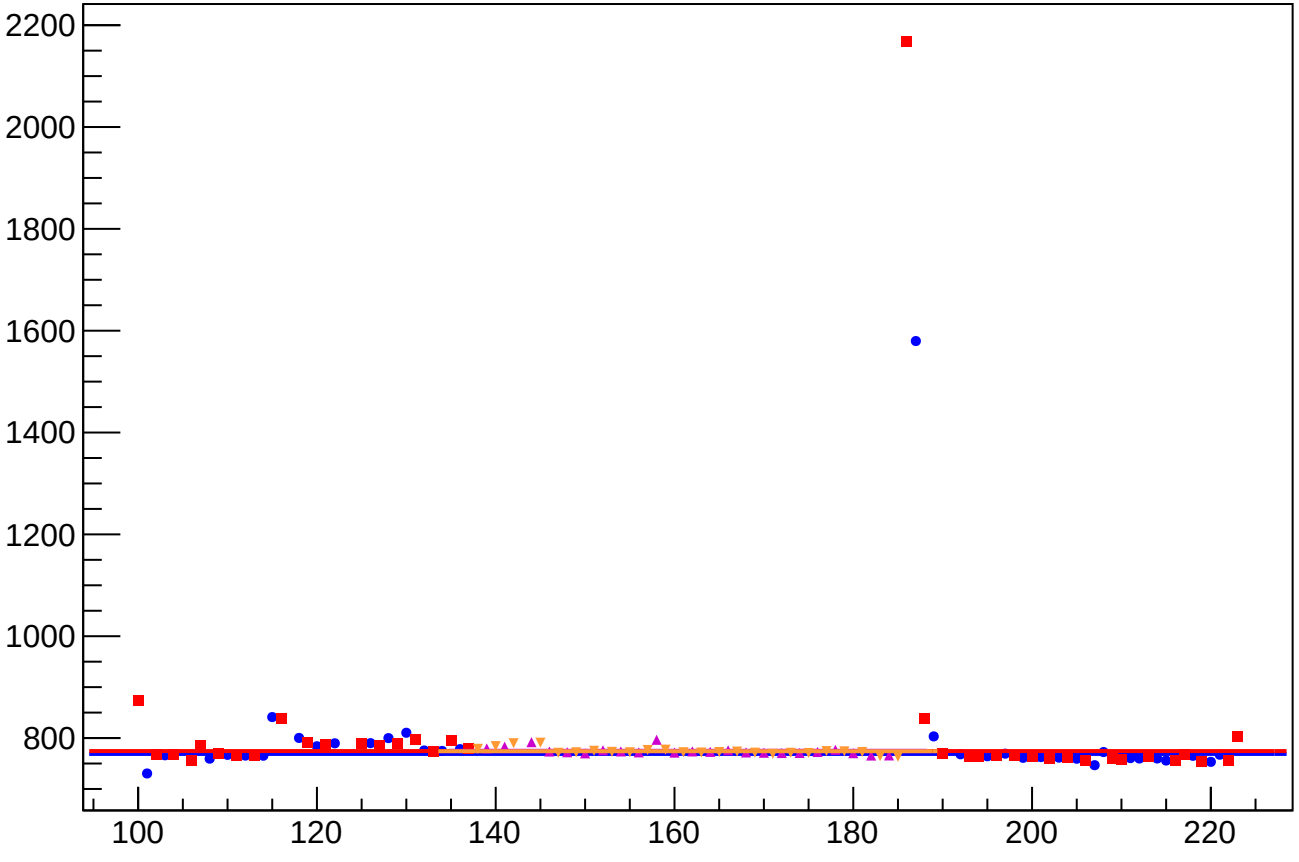
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -182.740+/-121.121 χ^2/NDF: 35.2/57

All: -96.965+/-85.772 χ^2/NDF: 88.8/117

- sign -10.681+/-121.480 χ^2/NDF: 52.6/59

overload_cor_asym_us_dd_rms vs Slug



Right In: 768.835+/-0.116 χ^2/NDF: 103207.4/33

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

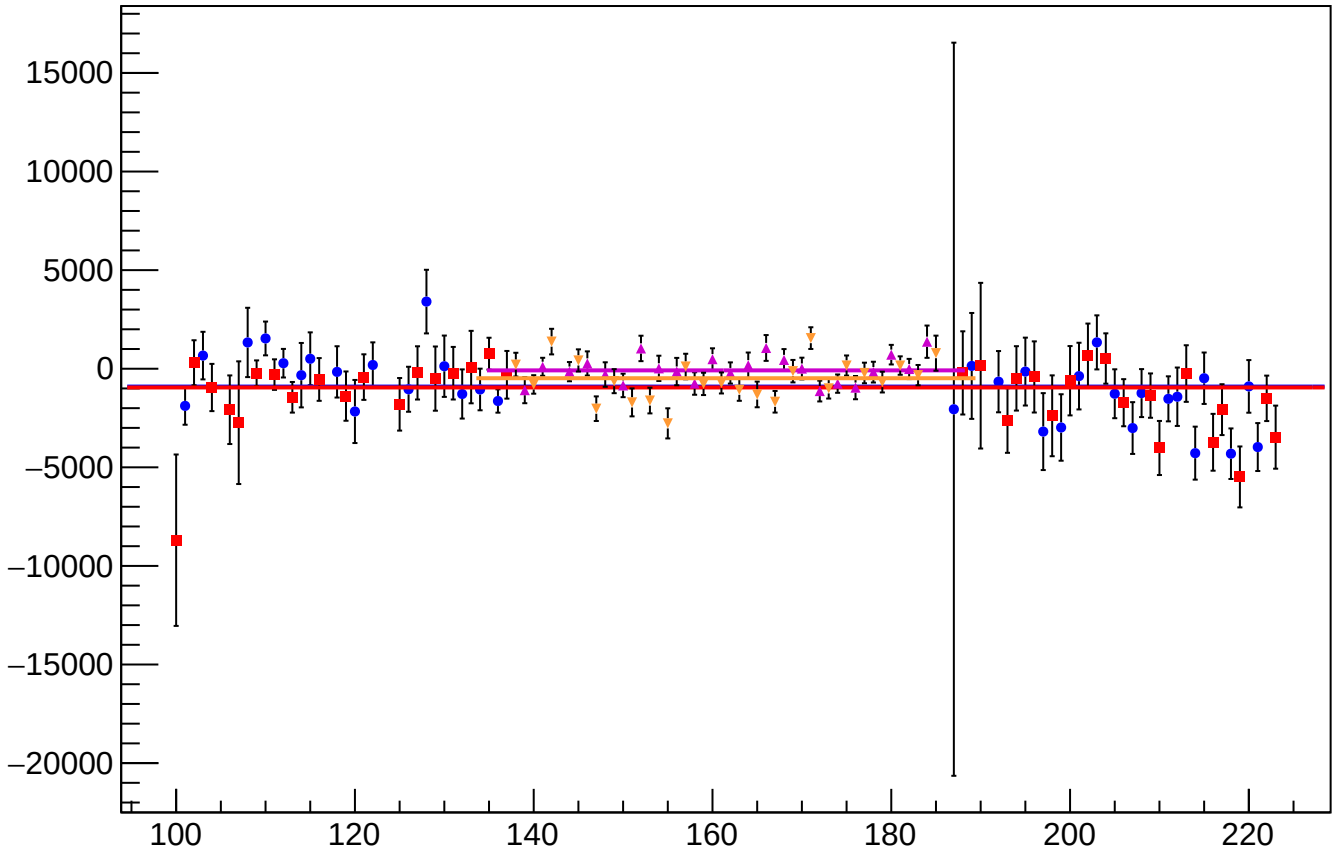
Right Out: 774.426+/-0.116 χ^2/NDF: 367223.6/36

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

+ sign 771.247+/-0.086 χ^2/NDF: 106219.7/57

All: 772.958+/-0.061 χ^2/NDF: 477403.3/117

- sign 774.680+/-0.086 χ^2/NDF: 370382.4/59



Right In: -905.250+/-210.694 χ^2/NDF: 56.5/33

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

Right Out: -949.585+/-210.981 χ^2/NDF: 40.0/35

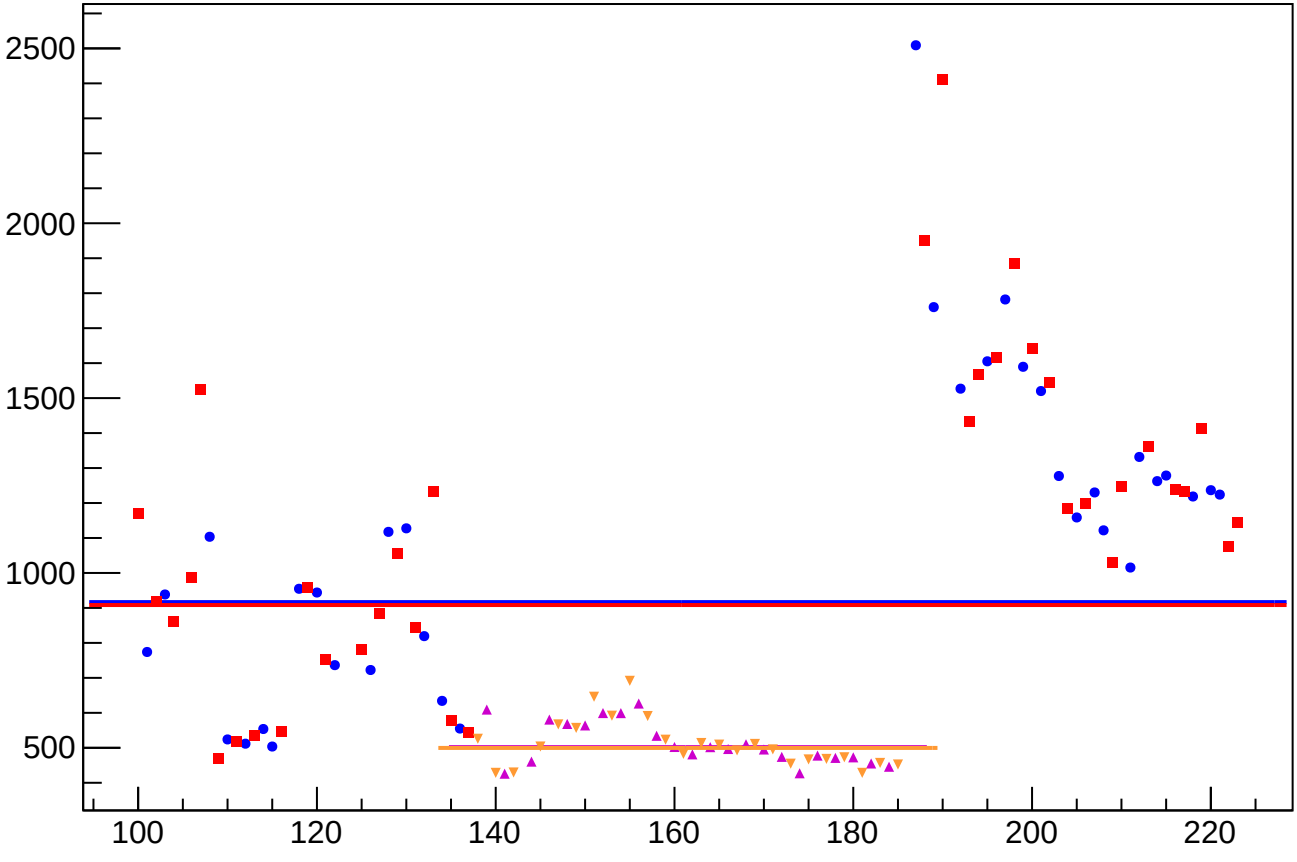
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -581.350+/-102.348 χ^2/NDF: 123.1/57

All: -436.838+/-72.641 χ^2/NDF: 208.2/116

- sign -290.151+/-103.116 χ^2/NDF: 81.0/58

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 916.636+/-0.149 χ^2/NDF: 5489806.5/33

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

Right Out: 908.285+/-0.149 χ^2/NDF: 6635786.0/35

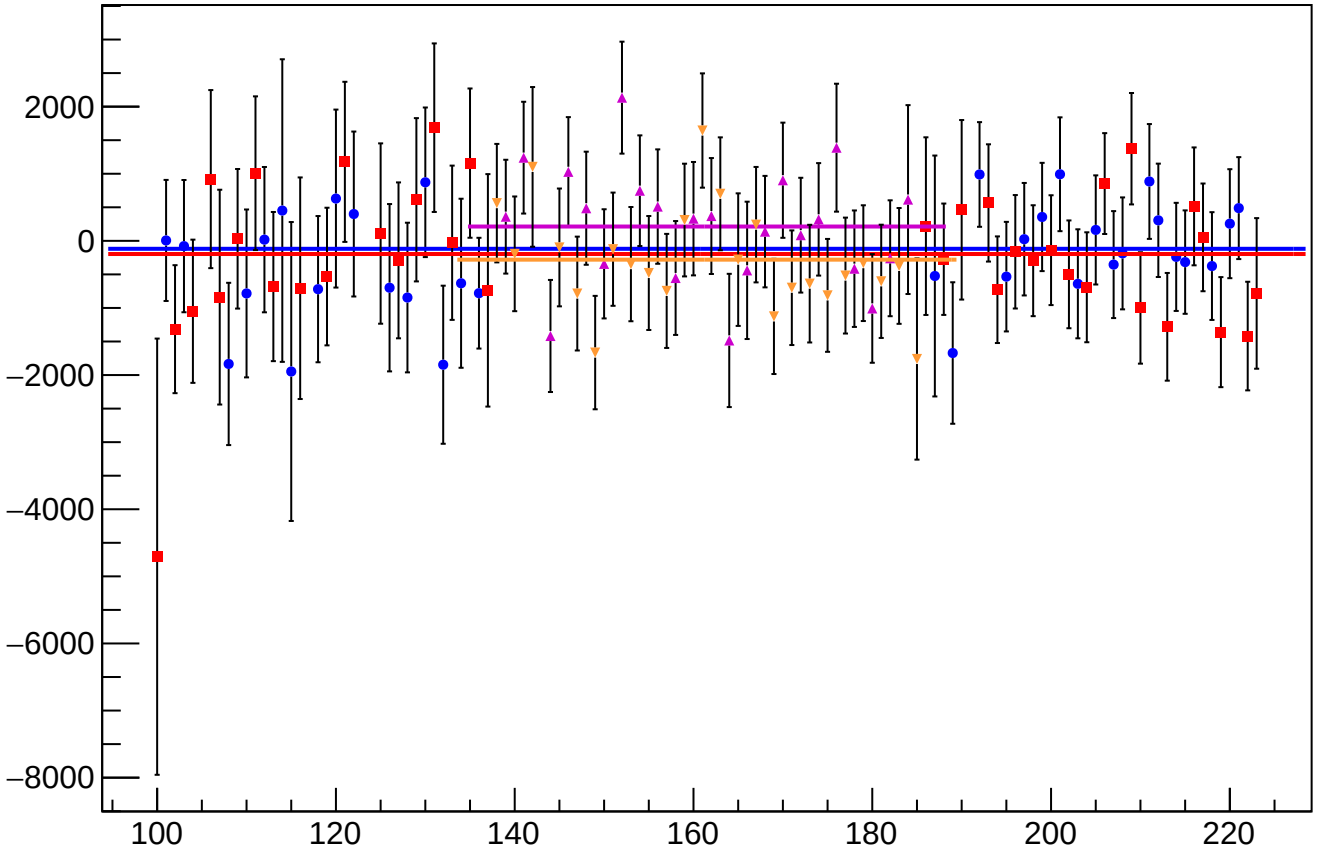
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 598.062+/-0.072 χ^2/NDF: 11990763.5/57

All: 598.562+/-0.051 χ^2/NDF: 24738334.1/11

- sign 599.069+/-0.073 χ^2/NDF: 12747474.4/58

eigen_cor_asym_us_dd_mean vs Slug



Right In: -118.465+/-163.272 χ^2/NDF: 18.1/33

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

Right Out: -196.222+/-162.644 χ^2/NDF: 27.7/36

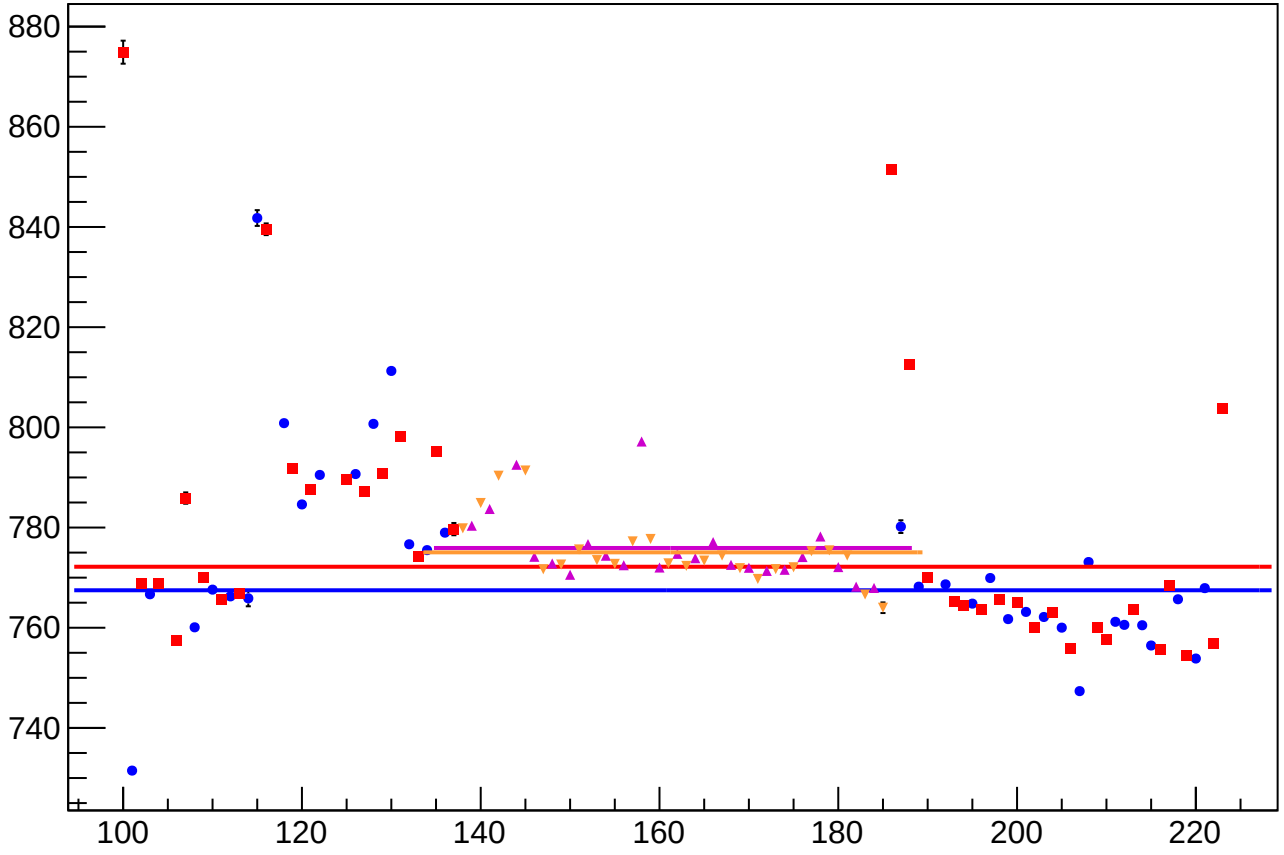
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -191.597+/-120.897 χ^2/NDF: 34.7/57

All: -102.597+/-85.533 χ^2/NDF: 88.7/117

- sign -13.406+/-121.027 χ^2/NDF: 52.9/59

eigen_cor_asym_us_dd_rms vs Slug



Right In: 767.480+/-0.115 χ^2/NDF: 17840.0/33

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

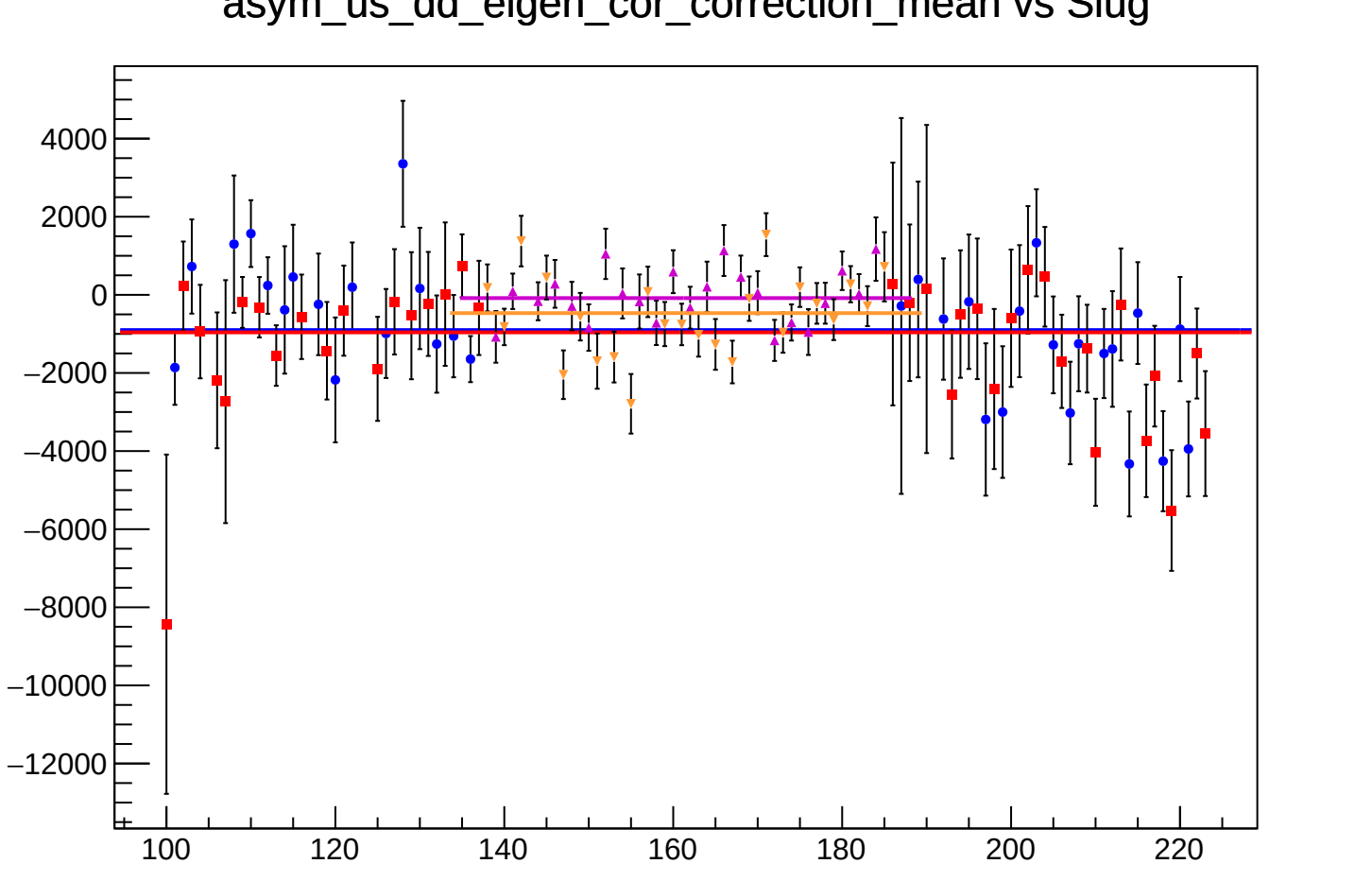
Right Out: 772.176+/-0.115 χ^2/NDF: 29490.5/36

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

+ sign 770.899+/-0.085 χ^2/NDF: 21733.2/57

All: 772.372+/-0.060 χ^2/NDF: 55264.2/117

- sign 773.848+/-0.086 χ^2/NDF: 32936.8/59



Right In: -901.856+/-210.197 χ^2/NDF: 56.4/33

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

Right Out: -960.038+/-210.154 χ^2/NDF: 40.3/36

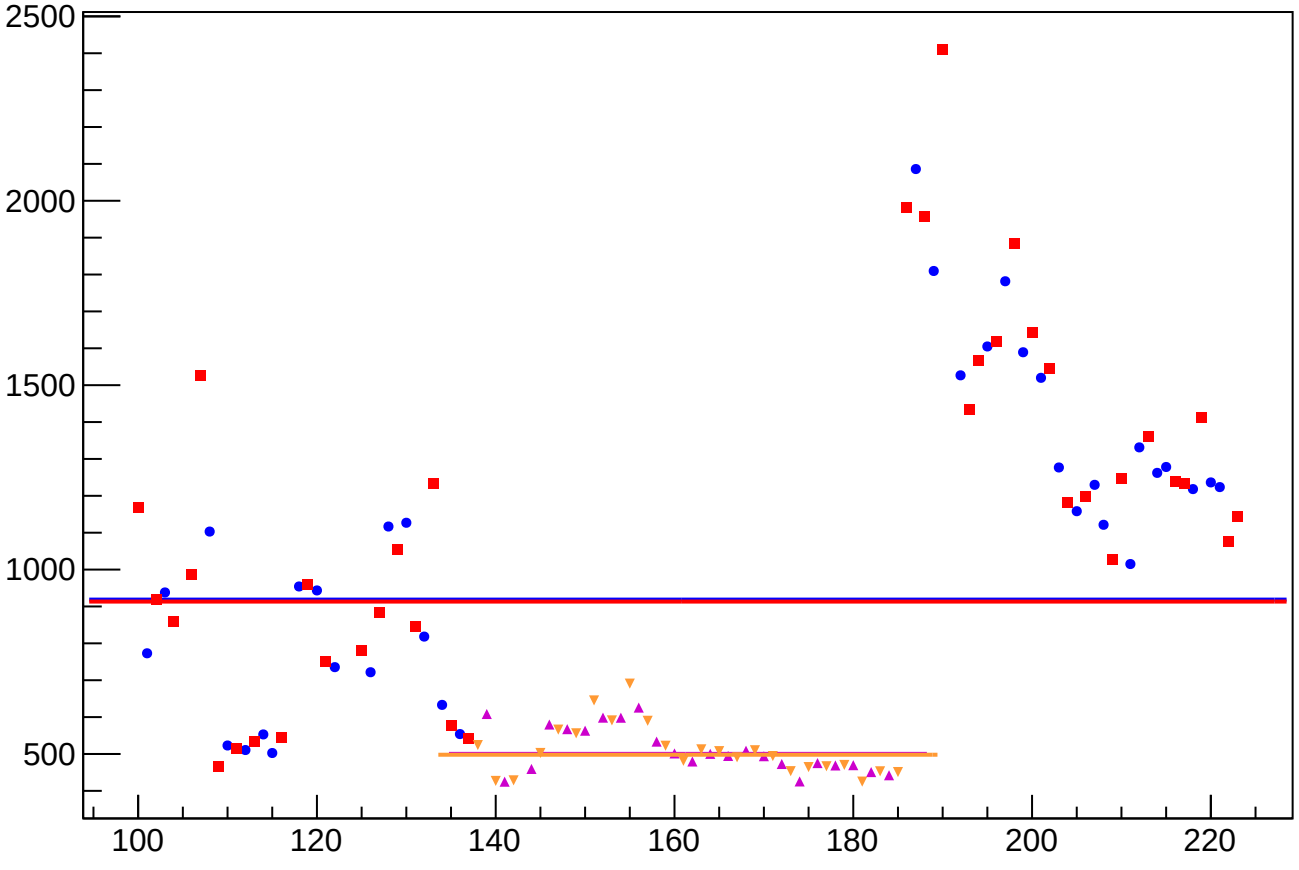
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -569.590+/-102.038 χ^2/NDF: 124.1/57

All: -432.186+/-72.407 χ^2/NDF: 209.5/117

- sign -292.825+/-102.763 χ^2/NDF: 81.7/59

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 918.613+/-0.149 χ^2/NDF: 5669045.2/33

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

Right Out: 913.237+/-0.149 χ^2/NDF: 6960432.7/36

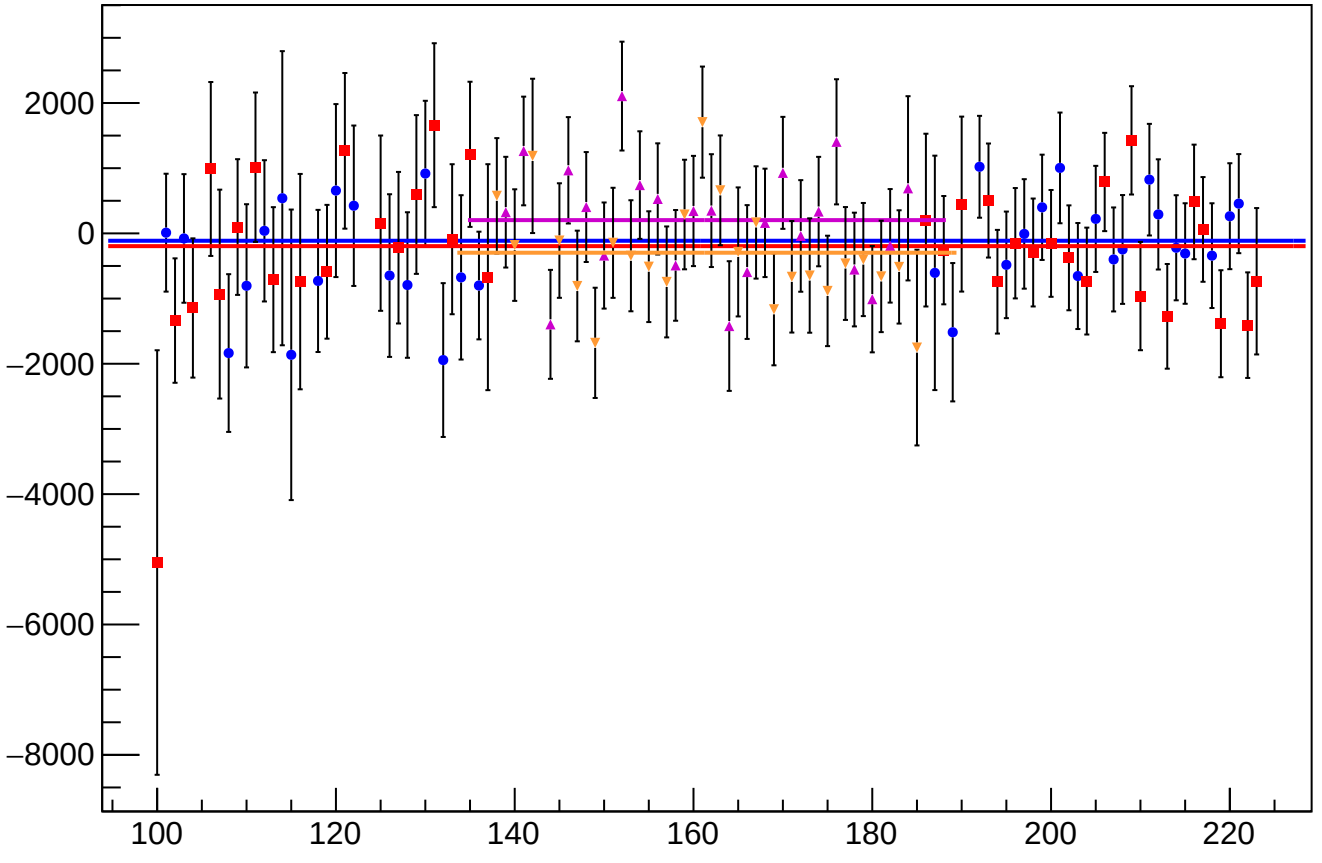
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 597.092+/-0.072 χ^2/NDF: 12318171.2/57

All: 598.060+/-0.051 χ^2/NDF: 25631660.7/11

- sign 599.042+/-0.073 χ^2/NDF: 13313127.0/59

dit_asym_us_dd_mean vs Slug



Right In: -113.126+/-163.451 χ^2/NDF: 18.0/33

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

Right Out: -195.816+/-162.824 χ^2/NDF: 28.3/36

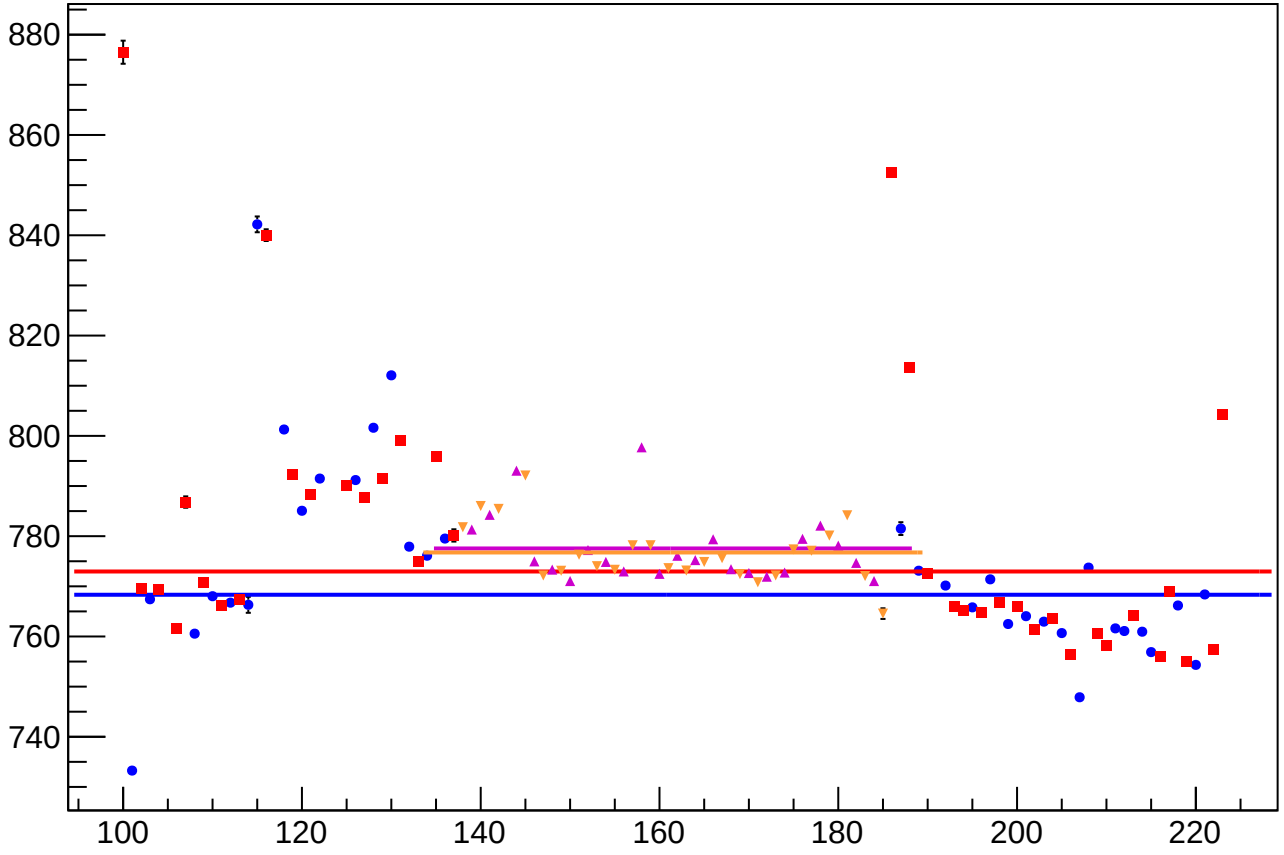
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

\+ sign -195.979+/-121.091 χ^2/NDF: 35.3/57

All: -107.019+/-85.668 χ^2/NDF: 89.5/117

\- sign -17.877+/-121.215 χ^2/NDF: 53.1/59

dit_asym_us_dd_rms vs Slug



Right In: 768.320+/-0.116 χ^2/NDF: 17754.6/33

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

Right Out: 772.959+/-0.115 χ^2/NDF: 29468.6/36

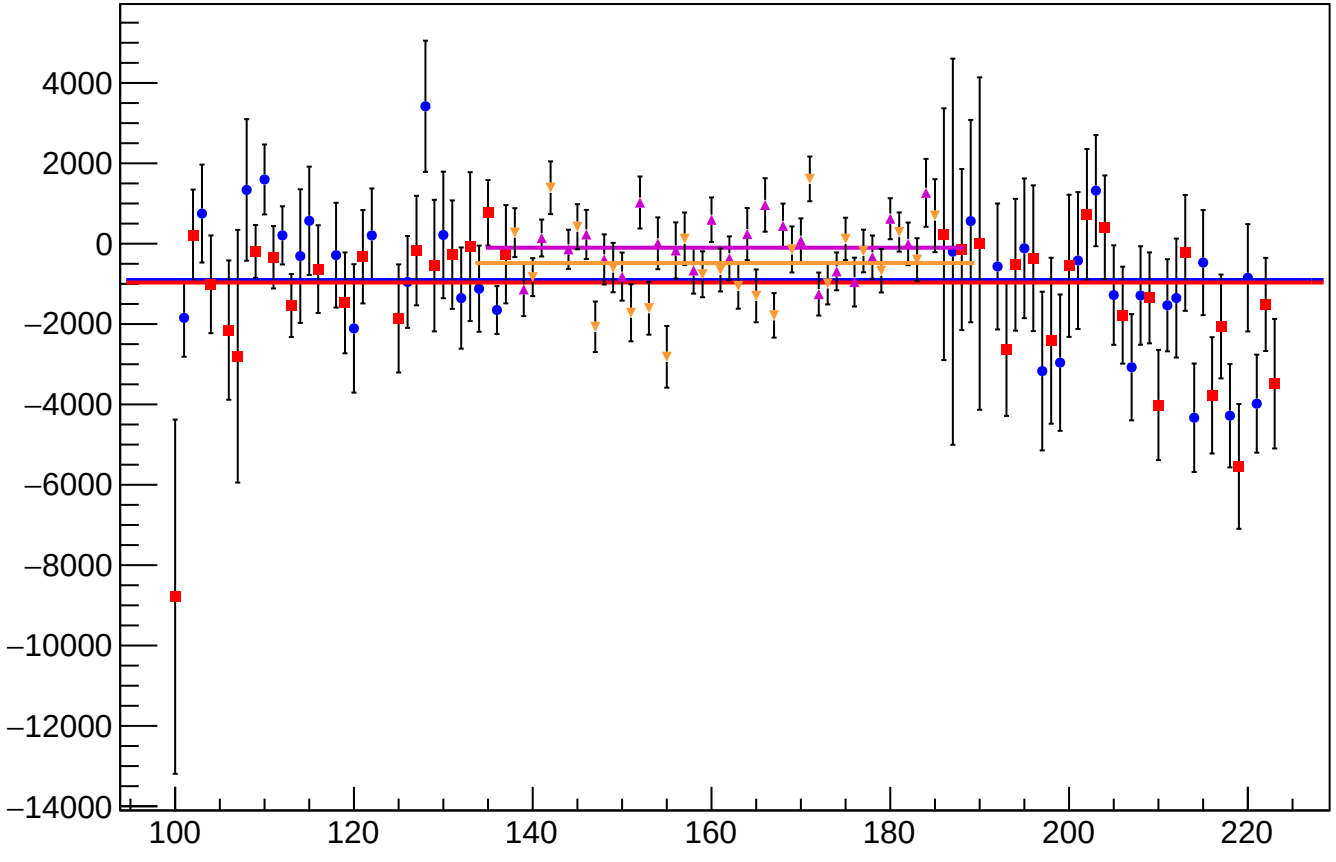
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 772.123+/-0.086 χ^2/NDF: 21981.6/57

All: 773.563+/-0.061 χ^2/NDF: 55475.7/117

- sign 775.005+/-0.086 χ^2/NDF: 32928.2/59

asym_us_dd_dit_correction_mean vs Slug



Right In: -903.786+/-211.870 χ^2/NDF: 56.5/33

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

Right Out: -966.051+/-211.792 χ^2/NDF: 40.2/36

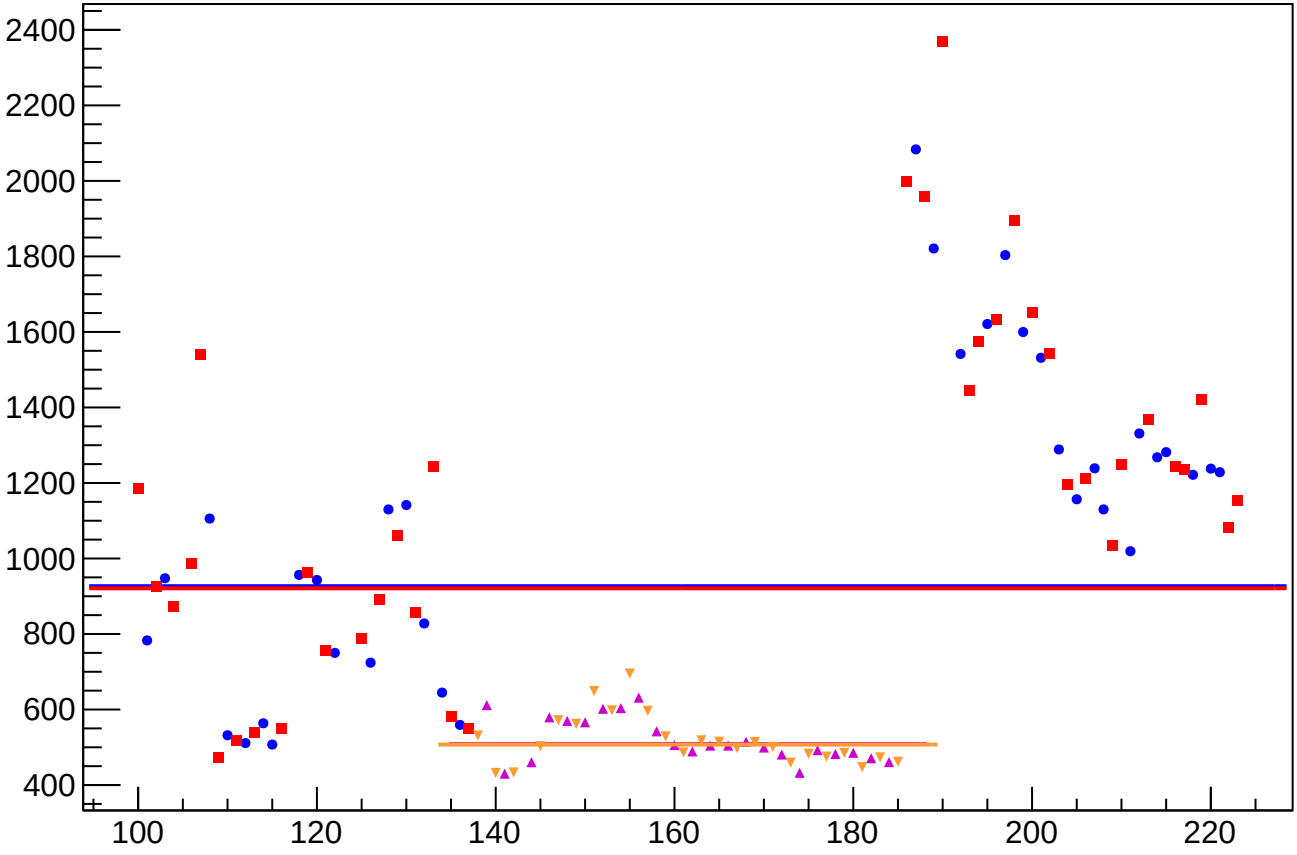
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -583.573+/-103.625 χ^2/NDF: 124.6/57

All: -447.331+/-73.474 χ^2/NDF: 208.4/117

- sign -309.593+/-104.193 χ^2/NDF: 80.3/59

asym_us_dd_dit_correction_rms vs Slug



Right In: 926.563+/-0.150 χ^2/NDF: 5620131.3/33

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

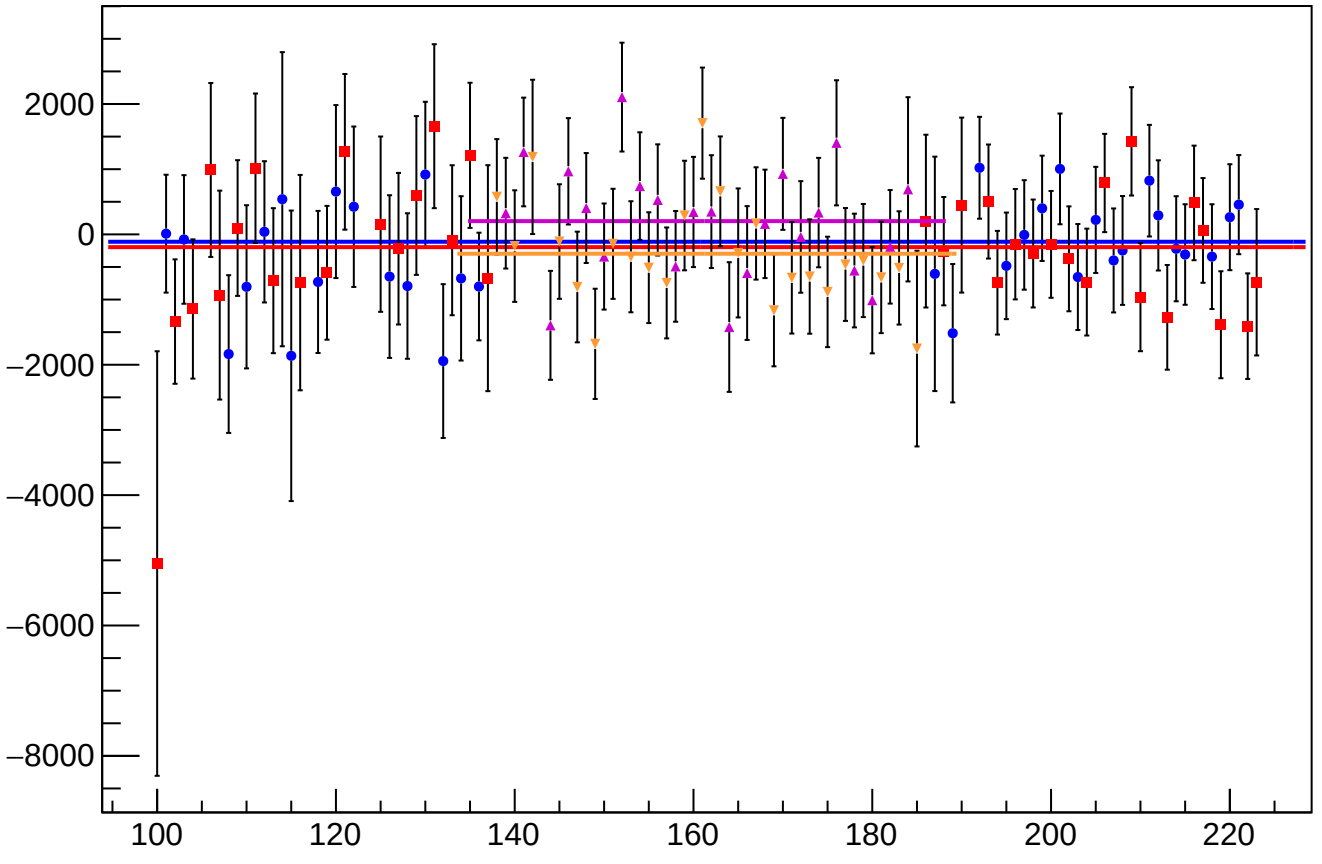
Right Out: 921.124+/-0.150 χ^2/NDF: 6901043.0/36

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

+ sign 607.610+/-0.073 χ^2/NDF: 12051907.7/57

All: 608.037+/-0.052 χ^2/NDF: 25135691.1/11

- sign 608.469+/-0.074 χ^2/NDF: 13083715.0/59



Right In: -113.126+/-163.451 χ^2/NDF: 18.0/33

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

Right Out: -195.813+/-162.824 χ^2/NDF: 28.3/36

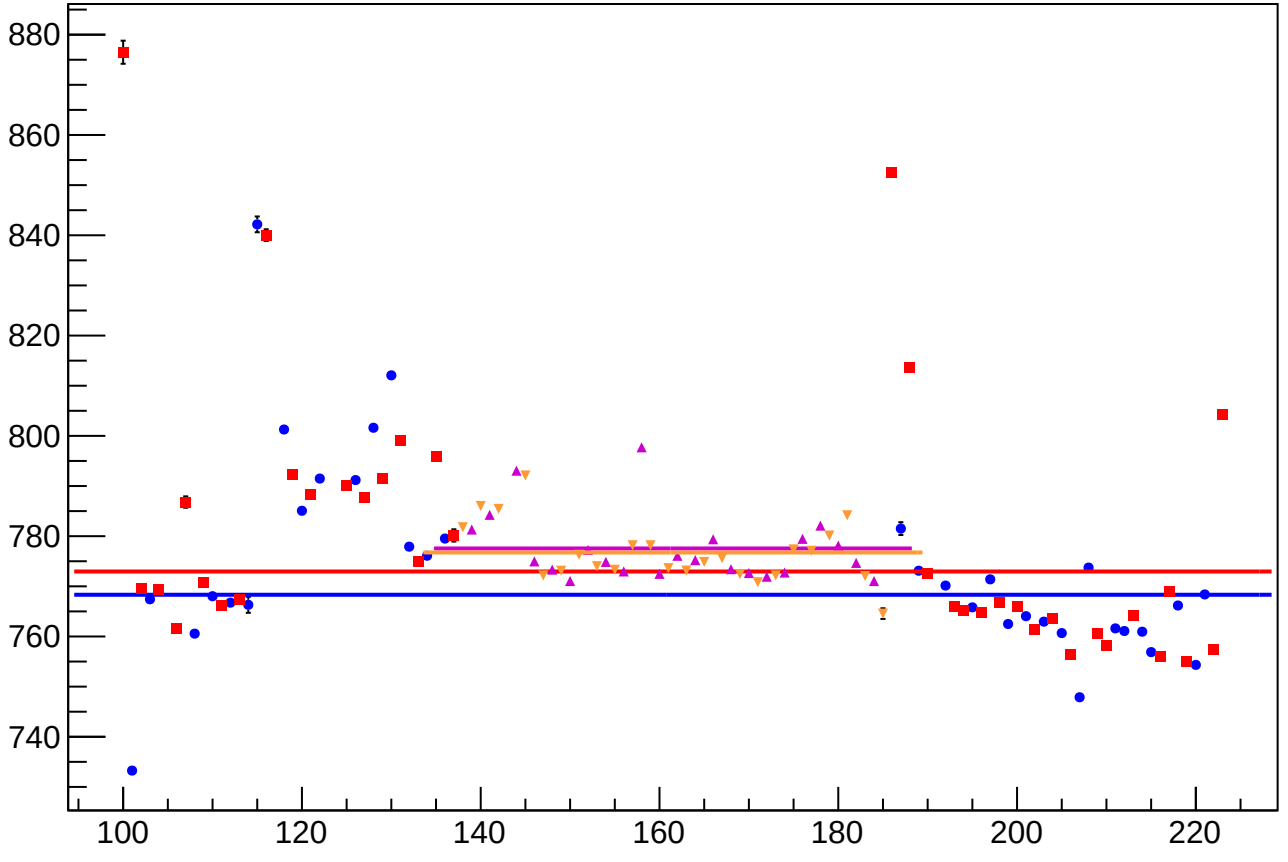
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -195.979+/-121.091 χ^2/NDF: 35.3/57

All: -107.018+/-85.668 χ^2/NDF: 89.5/117

- sign -17.876+/-121.215 χ^2/NDF: 53.1/59

eigen_dit_asym_us_dd_rms vs Slug



Right In: 768.320+/-0.116 χ^2/NDF: 17754.5/33

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

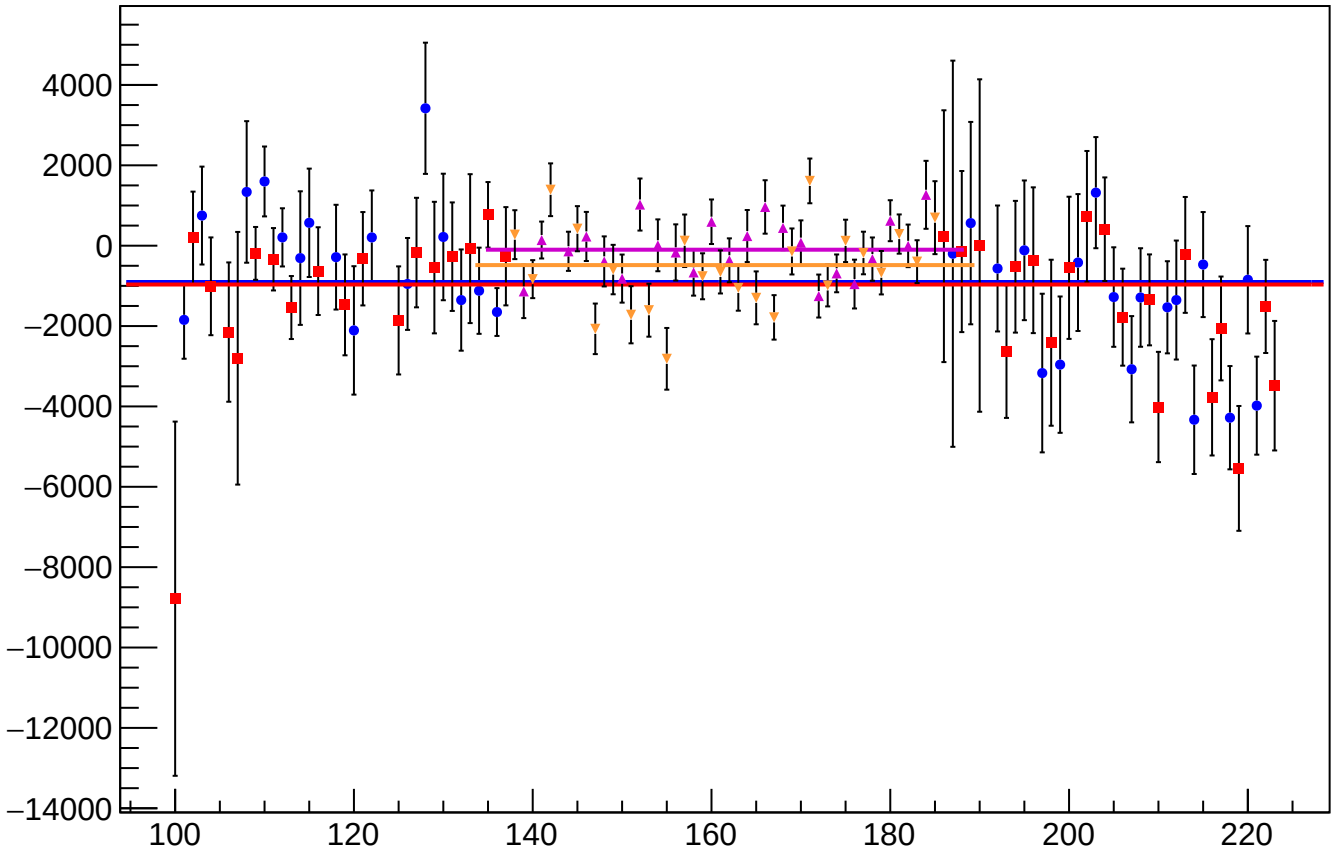
Right Out: 772.959+/-0.115 χ^2/NDF: 29468.6/36

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

+ sign 772.123+/-0.086 χ^2/NDF: 21981.6/57

All: 773.563+/-0.061 χ^2/NDF: 55475.6/117

- sign 775.005+/-0.086 χ^2/NDF: 32928.2/59



Right In: -903.779+/-211.870 χ^2/NDF: 56.5/33

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

Right Out: -966.047+/-211.791 χ^2/NDF: 40.2/36

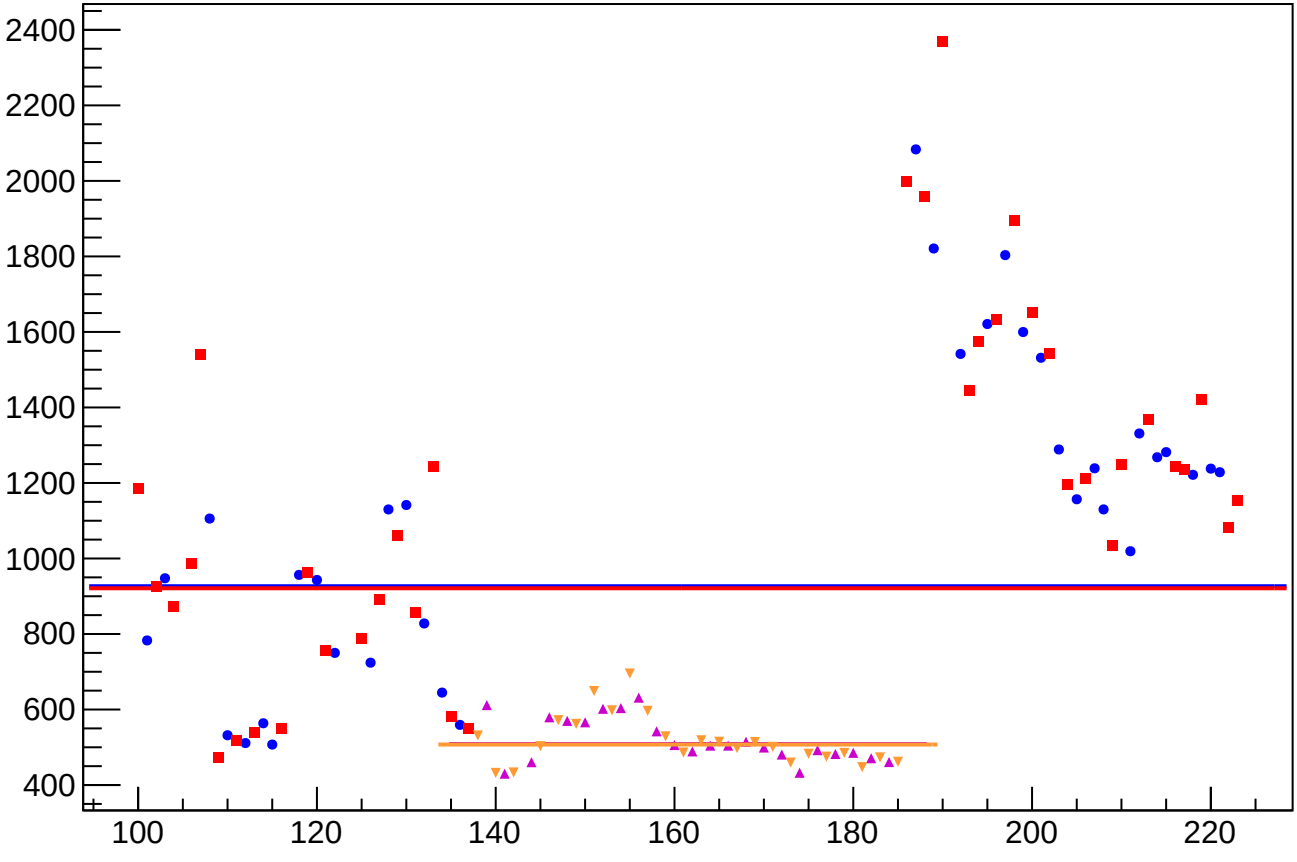
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -583.572+/-103.625 χ^2/NDF: 124.6/57

All: -447.330+/-73.474 χ^2/NDF: 208.4/117

- sign -309.593+/-104.193 χ^2/NDF: 80.3/59

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 926.560+/-0.150 χ^2/NDF: 5620212.3/33

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

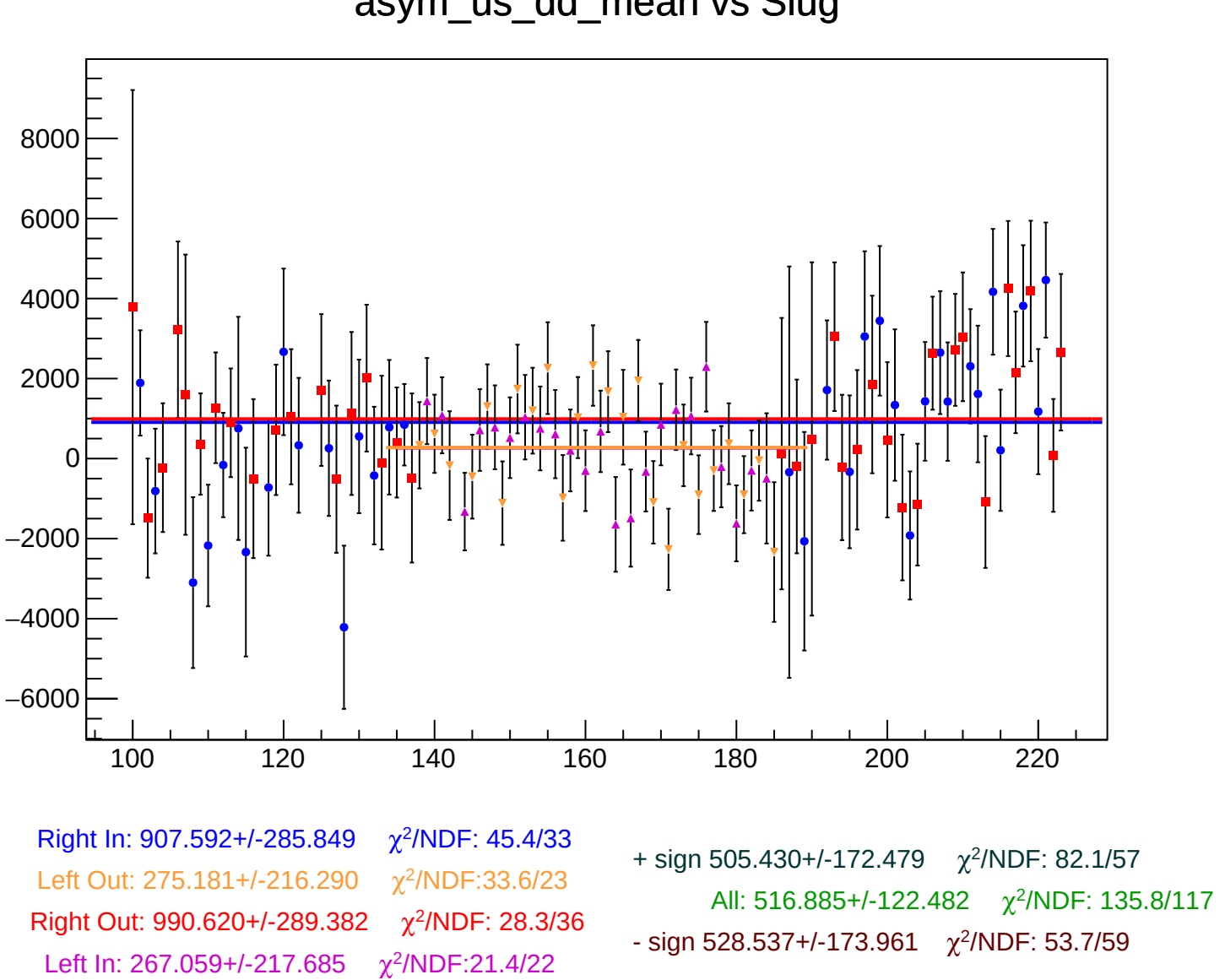
Right Out: 921.120+/-0.150 χ^2/NDF: 6901123.1/36

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

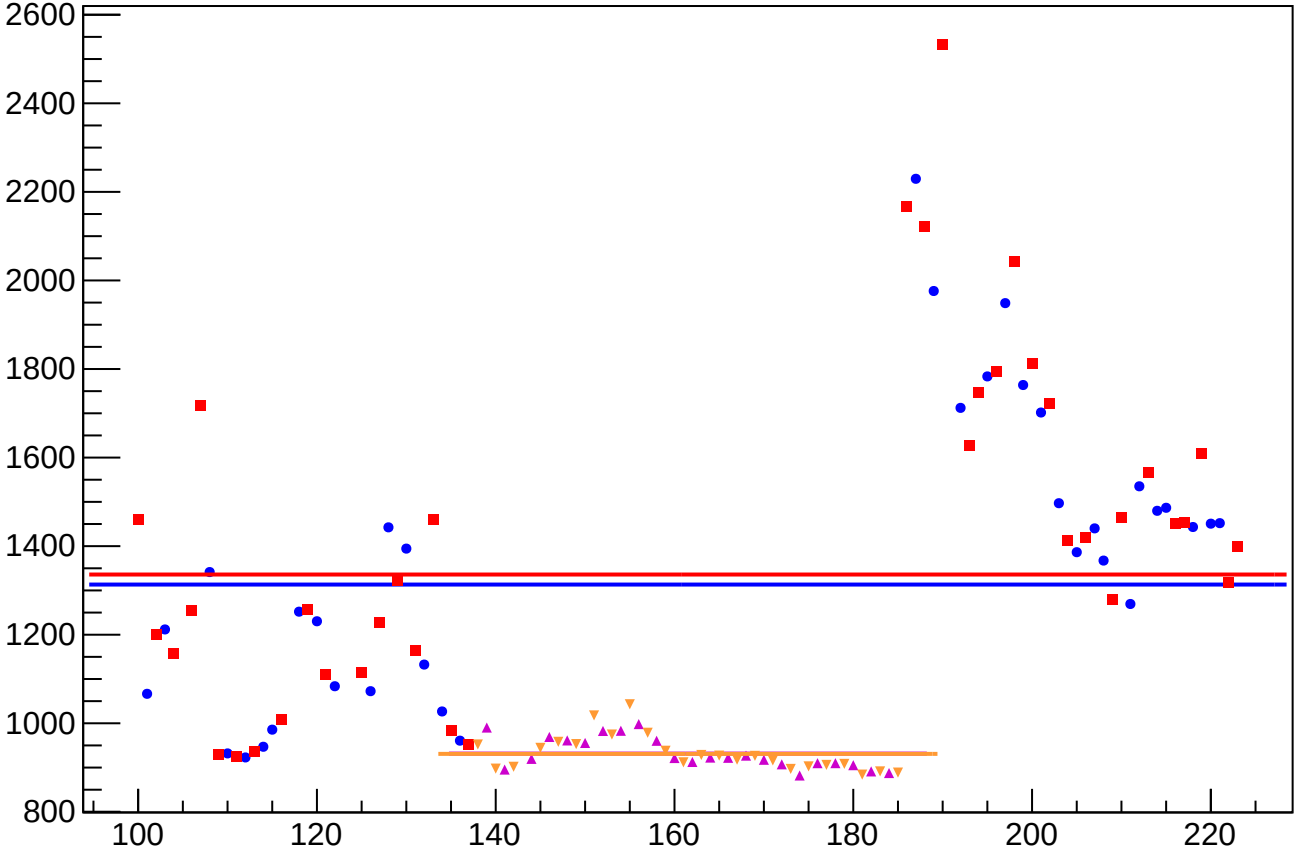
+ sign 607.609+/-0.073 χ^2/NDF: 12051923.3/57

All: 608.037+/-0.052 χ^2/NDF: 25135734.1/11

- sign 608.469+/-0.074 χ^2/NDF: 13083742.4/59


asym_us_dd_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: 907.592+/-285.849 χ²/NDF: 45.4/33
Left Out: 275.181+/-216.290 χ²/NDF:33.6/23
Right Out: 990.620+/-289.382 χ²/NDF: 28.3/36
Left In: 267.059+/-217.685 χ²/NDF:21.4/22
+ sign 505.430+/-172.479 χ²/NDF: 82.1/57
All: 516.885+/-122.482 χ²/NDF: 135.8/117
- sign 528.537+/-173.961 χ²/NDF: 53.7/59

asym_us_dd_rms vs Slug



Right In: 1313.278+/-0.202 χ^2/NDF: 1831862.7/33

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

Right Out: 1335.935+/-0.205 χ^2/NDF: 2315489.7/36

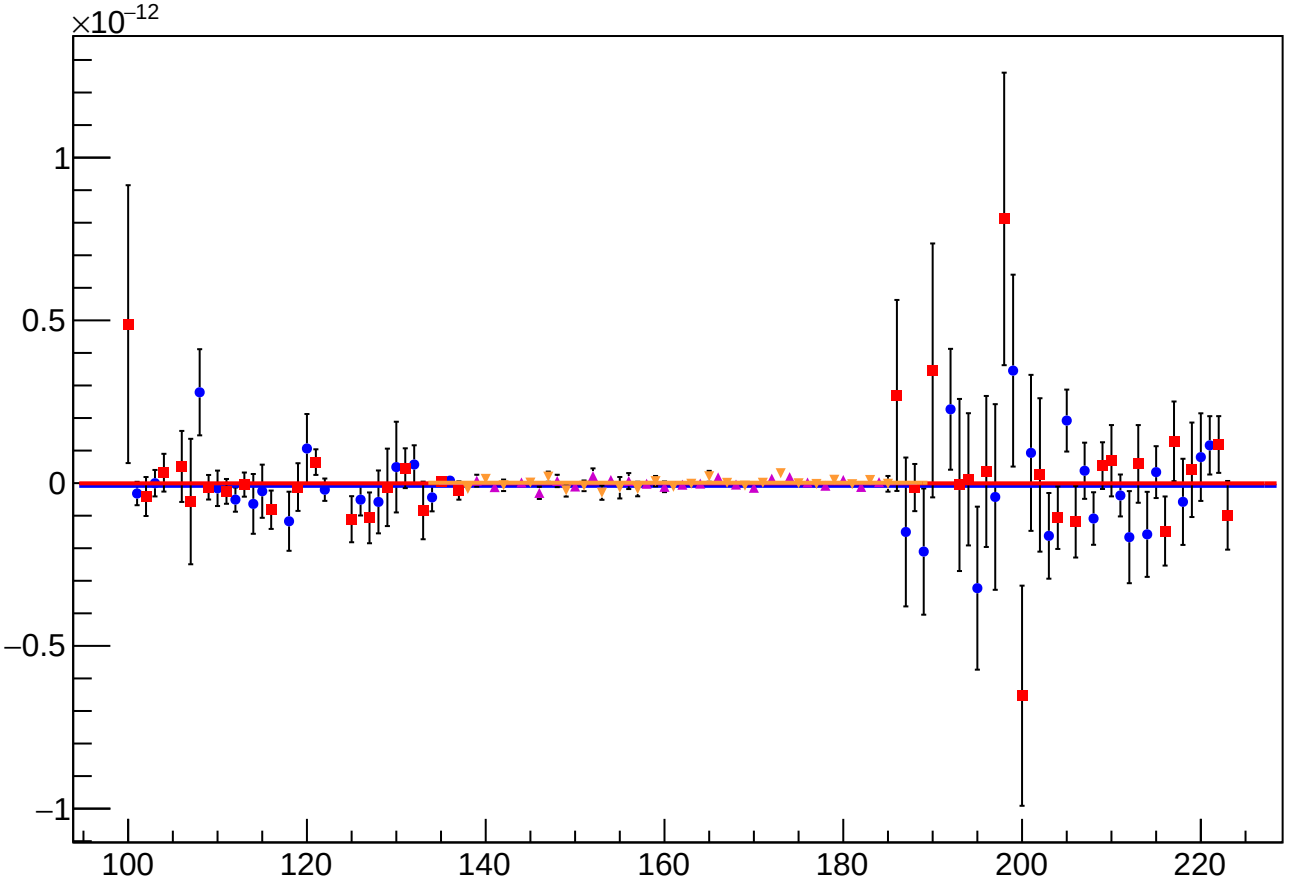
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

\+ sign 1070.131+/-0.122 χ^2/NDF: 4169399.0/57

All: 1073.879+/-0.087 χ^2/NDF: 9029707.0/11

\- sign 1077.693+/-0.123 χ^2/NDF: 4858402.3/59

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/33

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

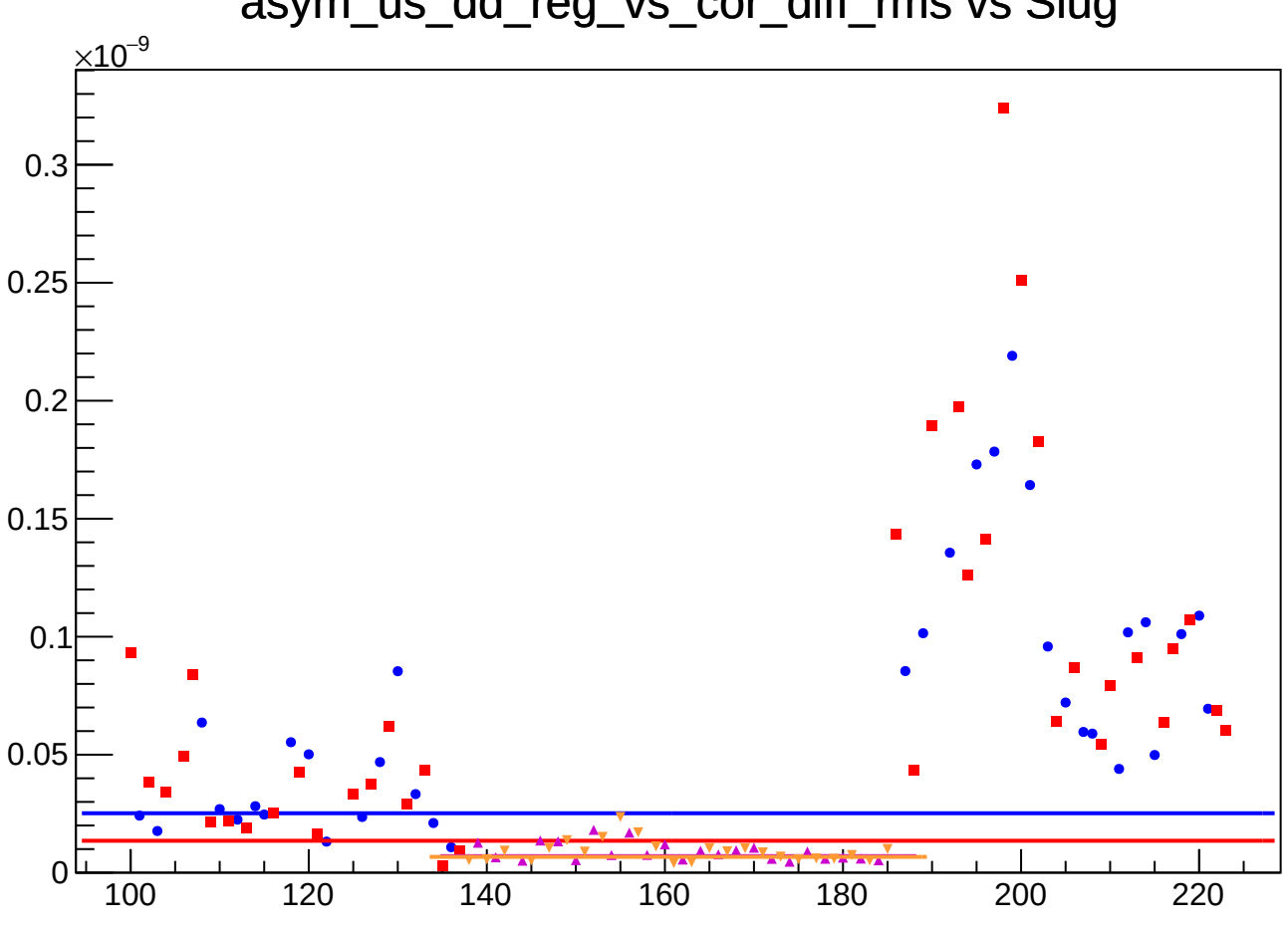
Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/36

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

+ sign 0.000+/-0.000 χ^2/NDF: 59.9/57

All: 0.000+/-0.000 χ^2/NDF: 114.5/117

- sign 0.000+/-0.000 χ^2/NDF: 54.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 12485395.7/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 19136460.6/36

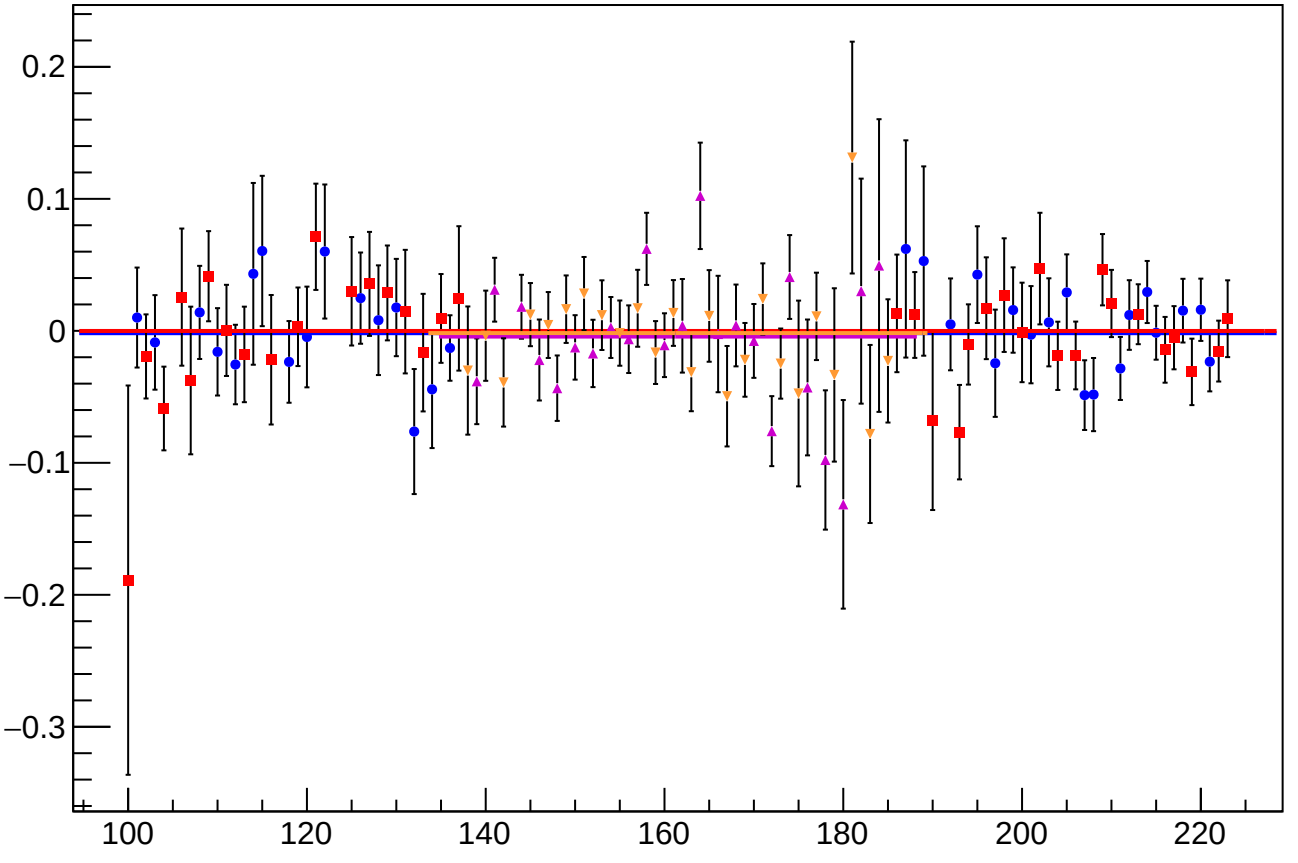
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 22454090.1/57

All: 0.000+/-0.000 χ^2/NDF: 45567471.0/117

- sign 0.000+/-0.000 χ^2/NDF: 23113379.8/59

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.005 χ^2/NDF: 25.0/33

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

Right Out: -0.000+/-0.005 χ^2/NDF: 28.9/36

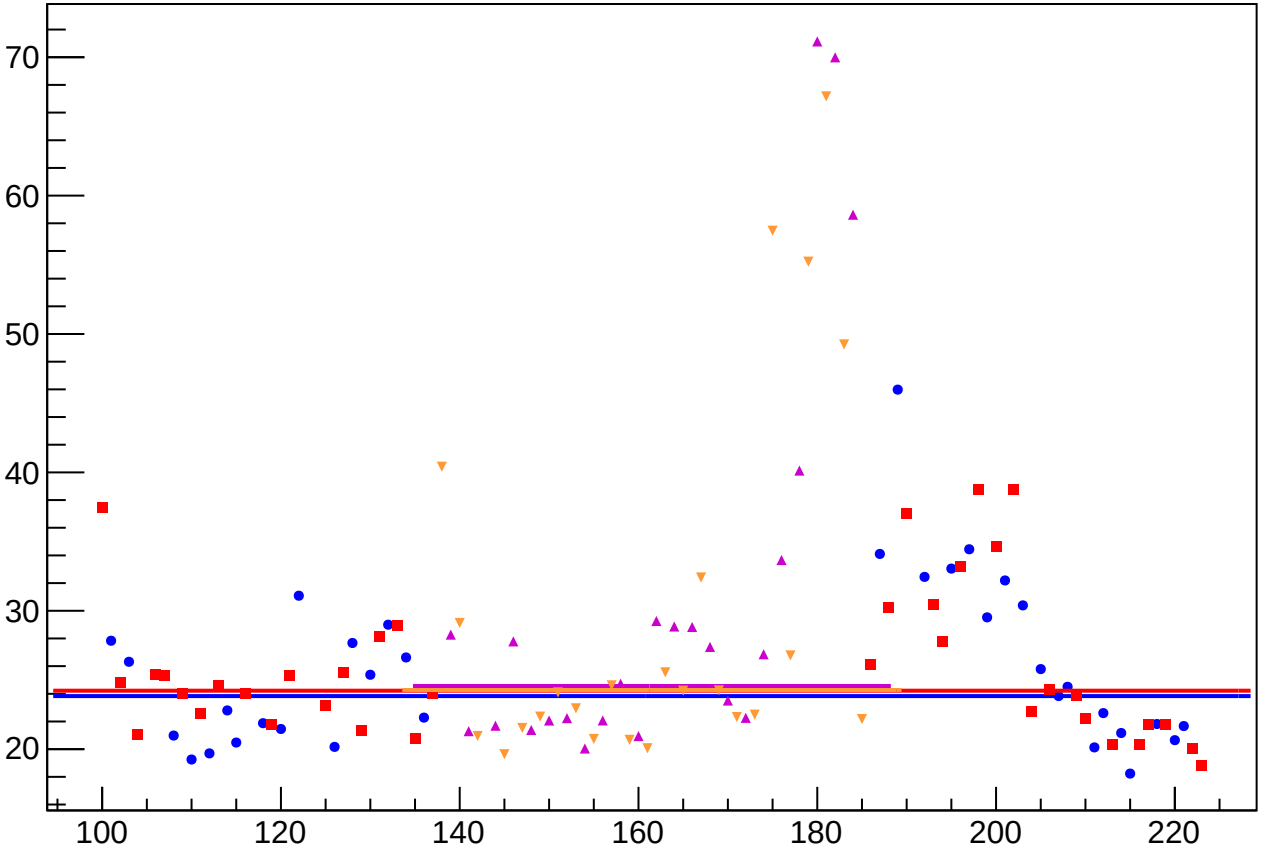
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 39.6/57

All: -0.002+/-0.003 χ^2/NDF: 105.3/117

- sign -0.002+/-0.004 χ^2/NDF: 65.7/59

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.835+/-0.004 χ^2/NDF: 1425053.4/33

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

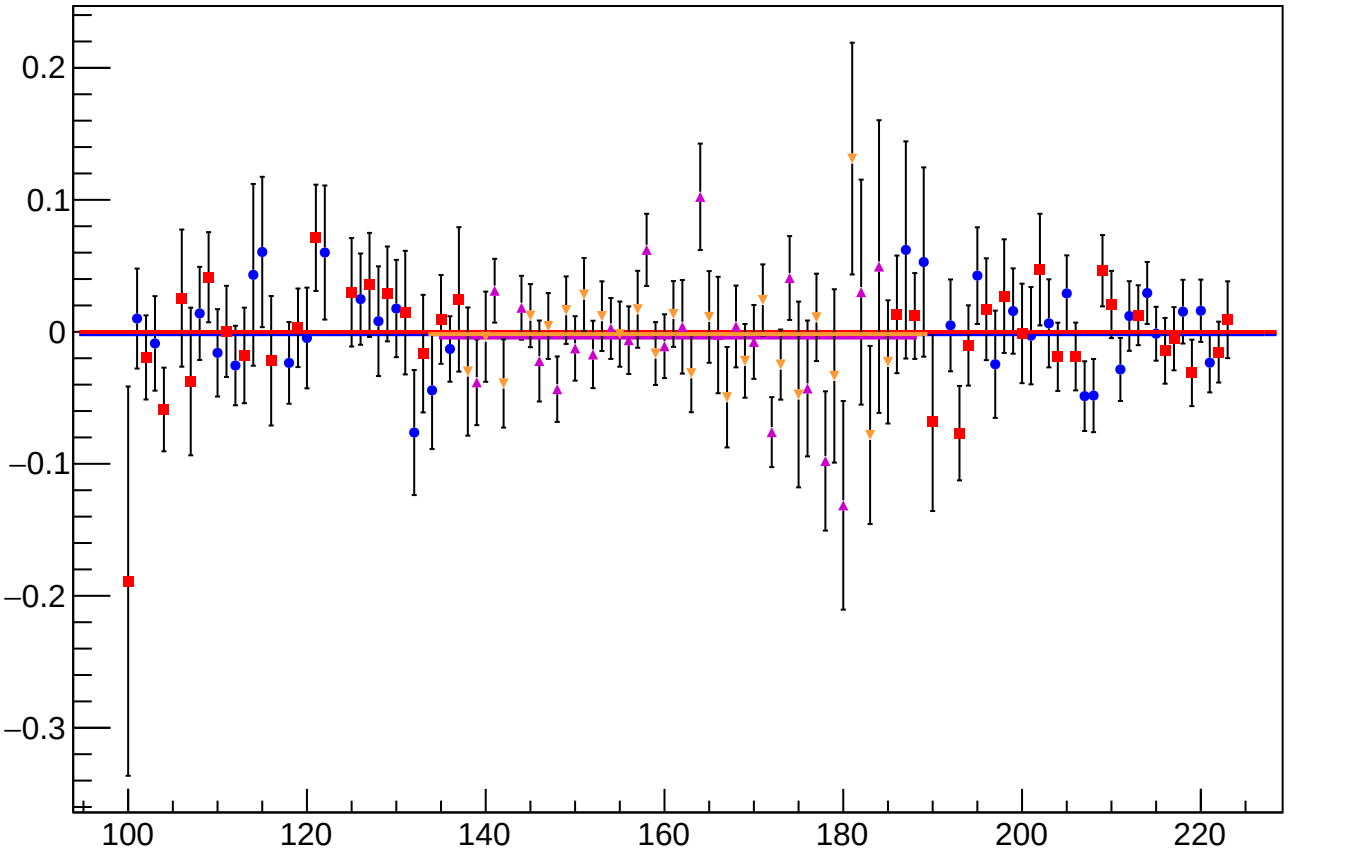
Right Out: 24.226+/-0.004 χ^2/NDF: 1389968.2/36

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

+ sign 24.022+/-0.003 χ^2/NDF: 3741249.5/57

All: 24.195+/-0.002 χ^2/NDF: 7274387.1/117

- sign 24.369+/-0.003 χ^2/NDF: 3526122.5/59



Right In: -0.002+/-0.005 χ^2/NDF: 25.0/33

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

Right Out: -0.000+/-0.005 χ^2/NDF: 28.9/36

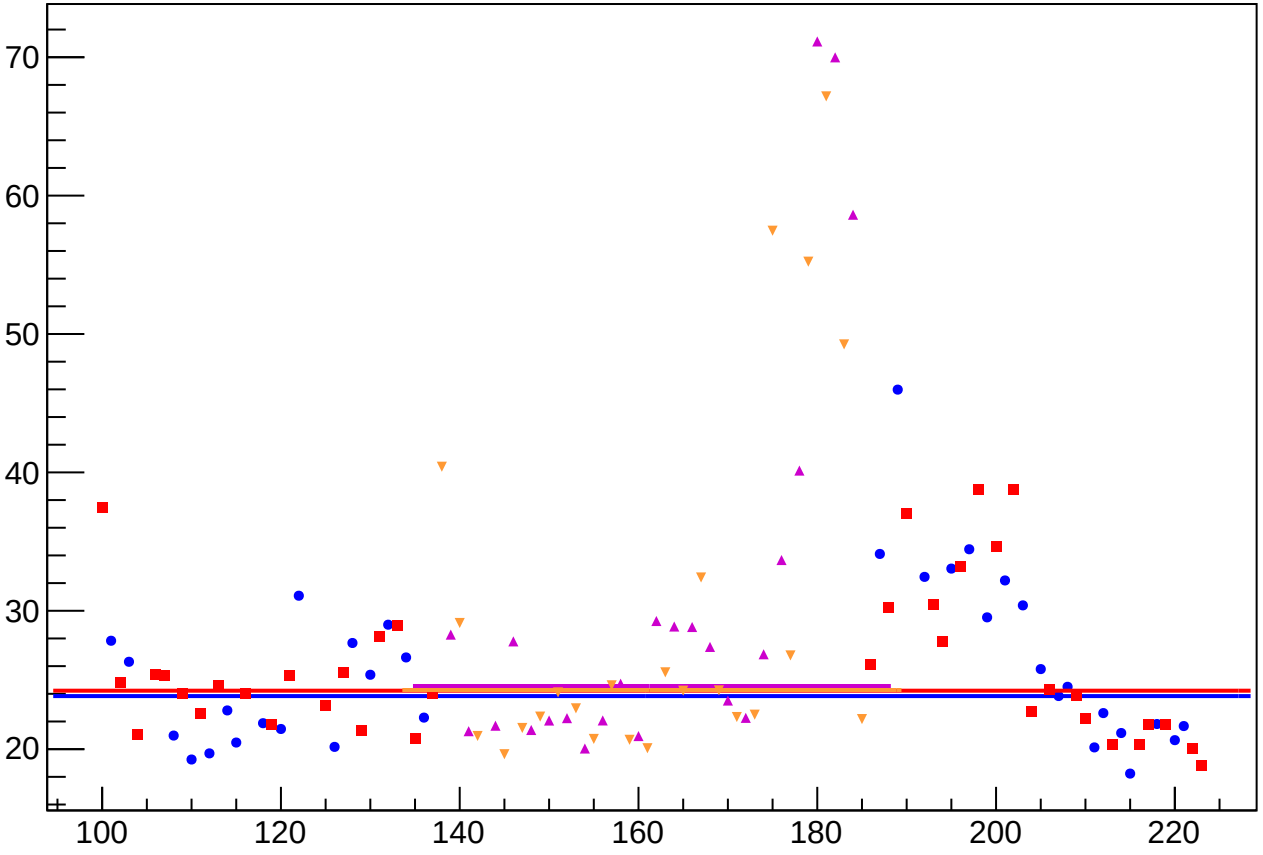
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 39.6/57

All: -0.002+/-0.003 χ^2/NDF: 105.3/117

- sign -0.002+/-0.004 χ^2/NDF: 65.7/59

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.835+/-0.004 χ^2/NDF: 1425053.4/33

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

Right Out: 24.226+/-0.004 χ^2/NDF: 1389968.2/36

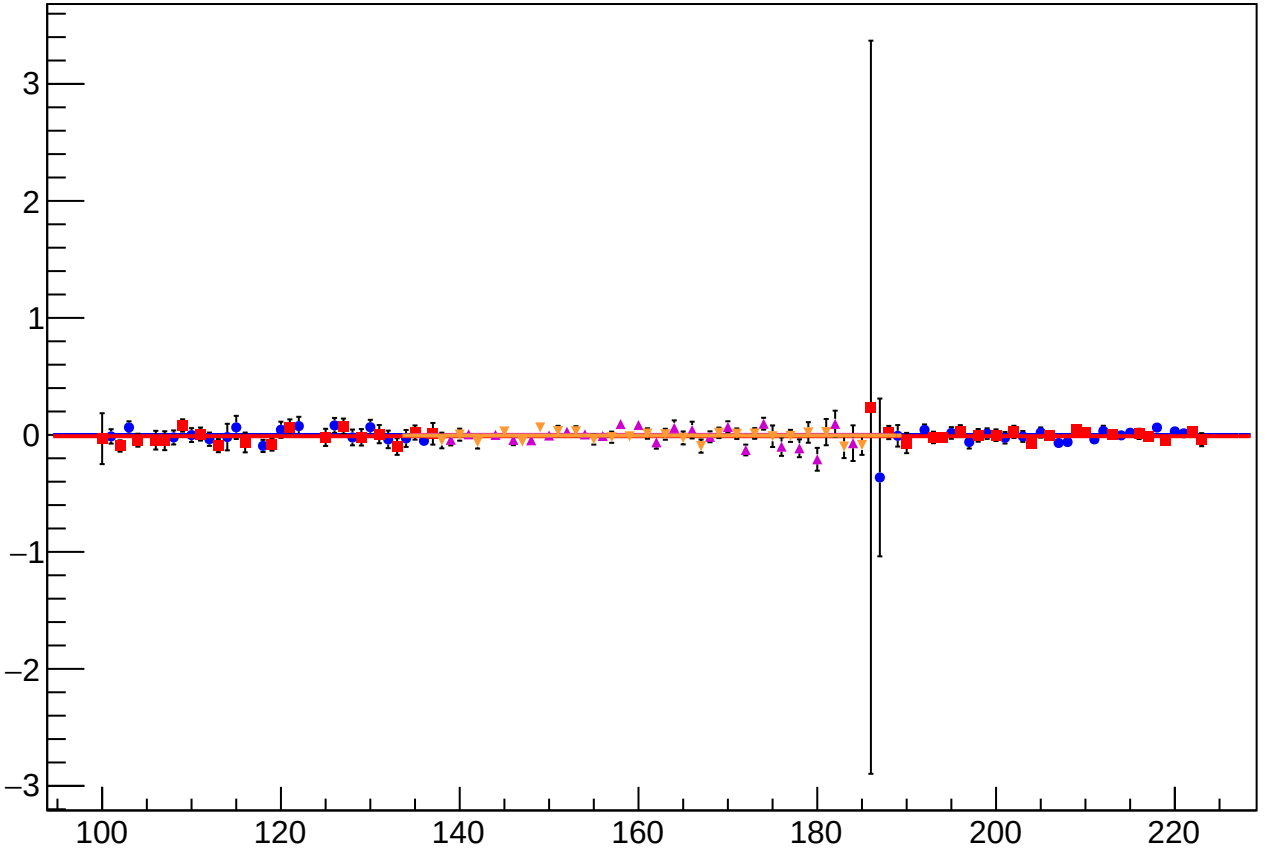
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.022+/-0.003 χ^2/NDF: 3741249.5/57

All: 24.195+/-0.002 χ^2/NDF: 7274387.1/117

- sign 24.369+/-0.003 χ^2/NDF: 3526122.5/59

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.001+/-0.009 χ^2/NDF: 24.3/33

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

Right Out: -0.011+/-0.009 χ^2/NDF: 25.2/36

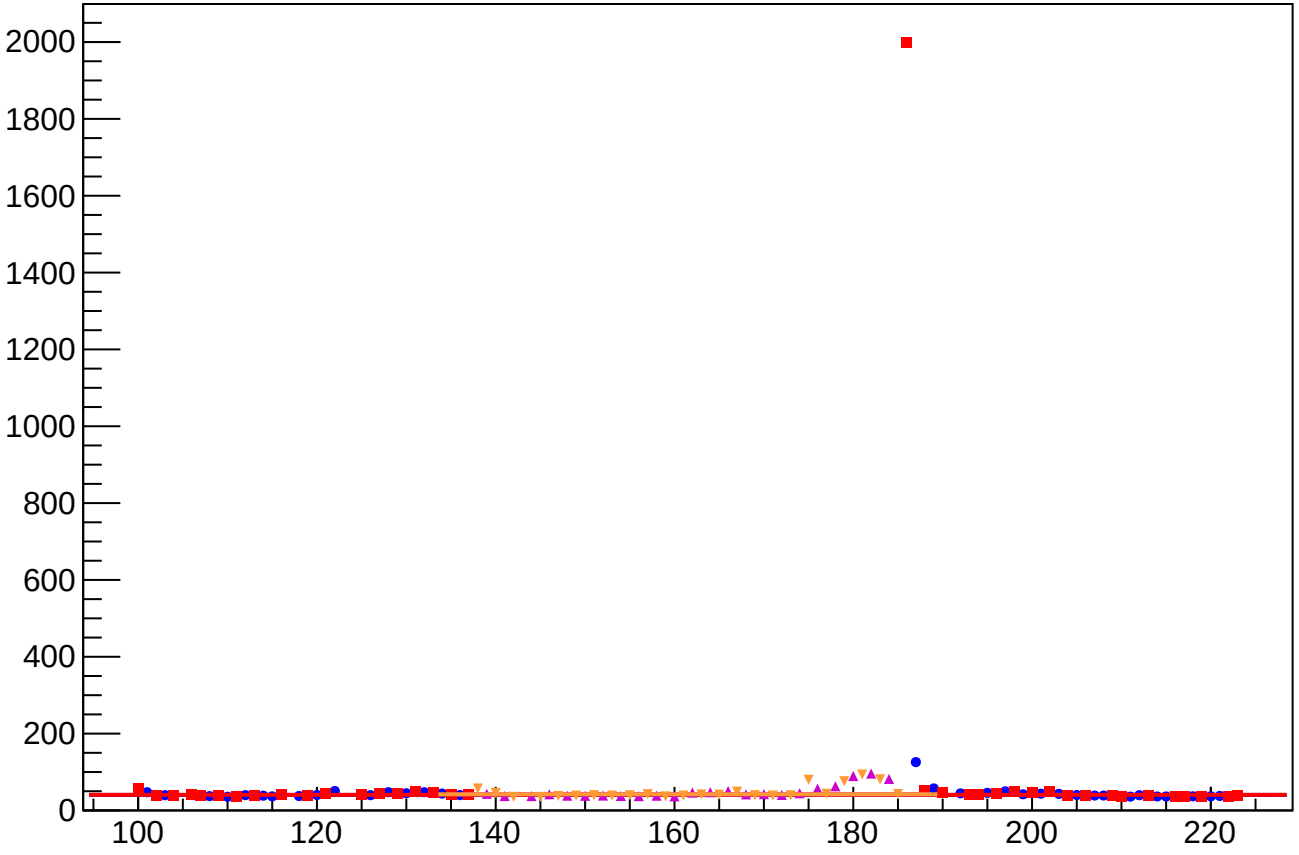
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.007 χ^2/NDF: 38.3/57

All: -0.005+/-0.005 χ^2/NDF: 102.2/117

- sign -0.007+/-0.007 χ^2/NDF: 63.8/59

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.368+/-0.006 χ^2/NDF: 468261.9/33

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

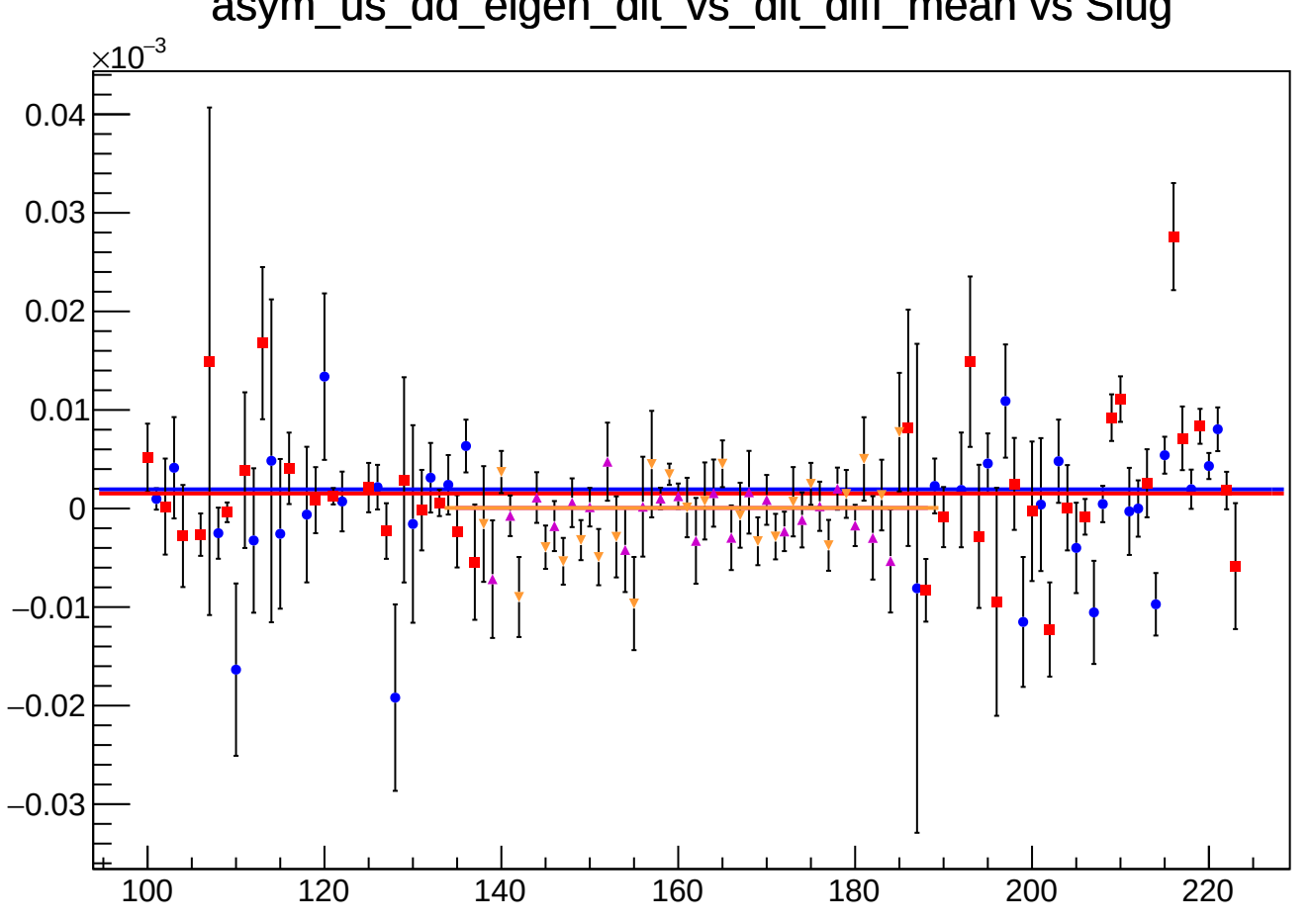
Right Out: 40.632+/-0.006 χ^2/NDF: 1220566.0/36

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

+ sign 41.092+/-0.005 χ^2/NDF: 2216011.0/57

All: 41.167+/-0.003 χ^2/NDF: 5002934.4/117

- sign 41.241+/-0.005 χ^2/NDF: 2786436.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 63.8/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 113.7/36

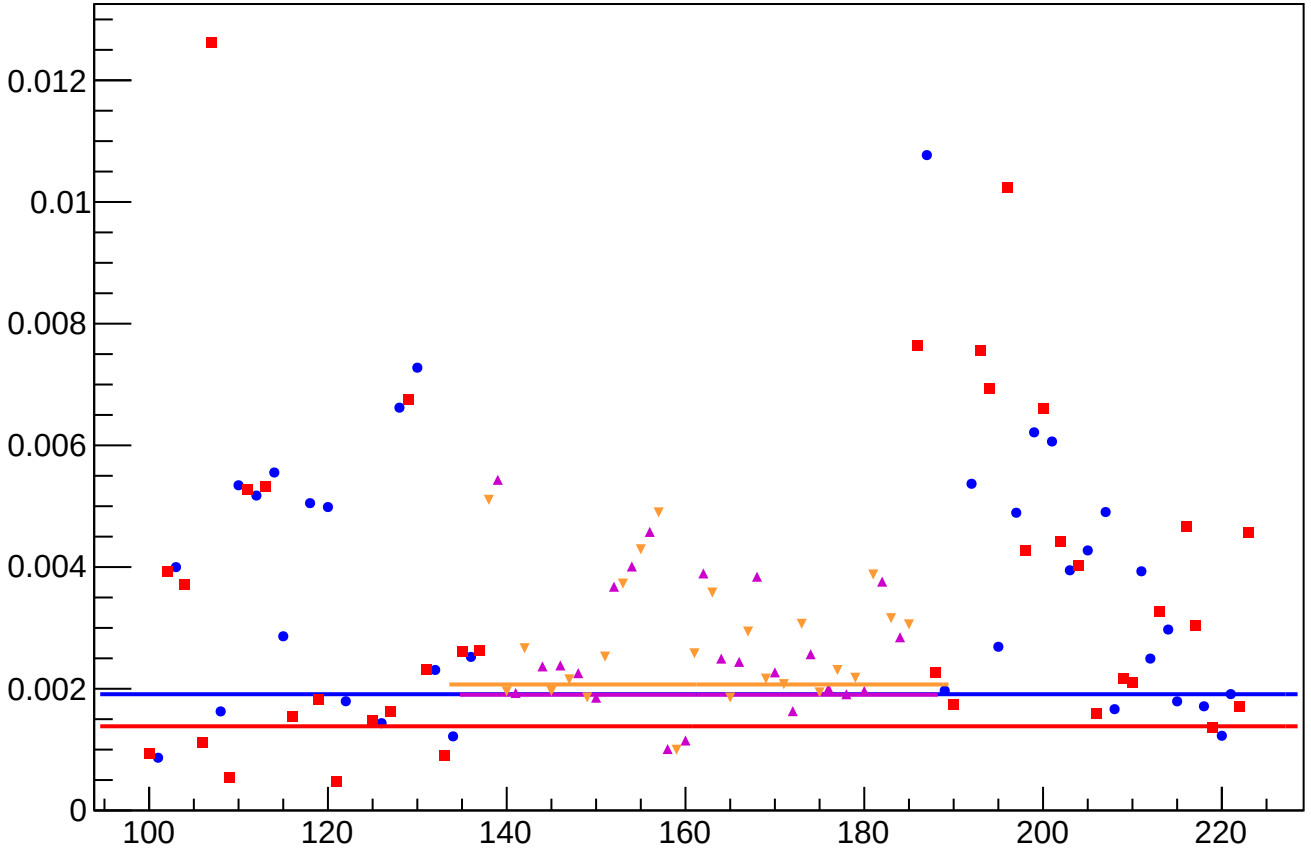
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 122.3/57

All: 0.000+/-0.000 χ^2/NDF: 254.3/117

- sign 0.000+/-0.000 χ^2/NDF: 131.9/59

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11331134.2/33

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

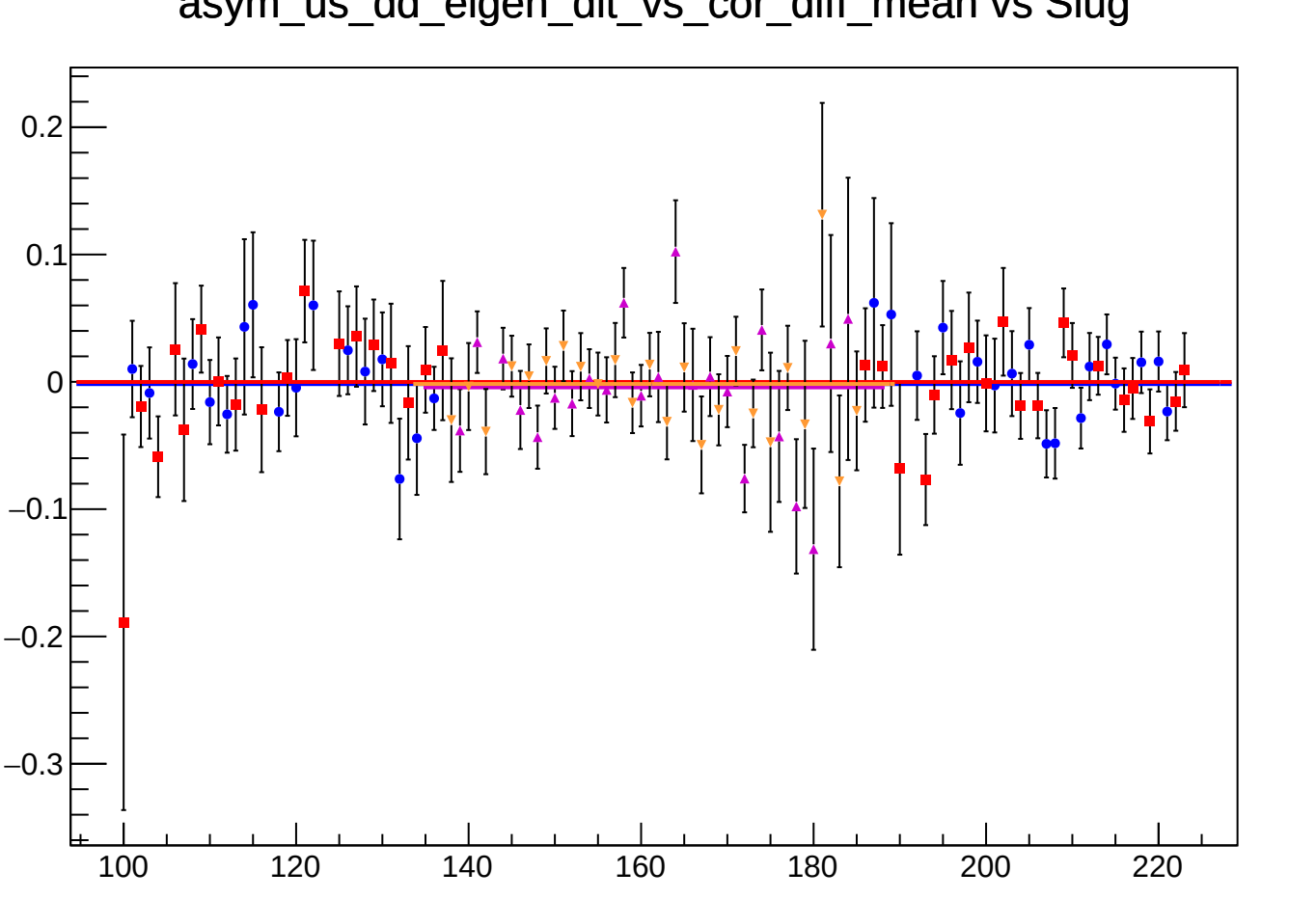
Right Out: 0.001+/-0.000 χ^2/NDF: 17831967.3/36

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

+ sign 0.002+/-0.000 χ^2/NDF: 16694036.2/57

All: 0.002+/-0.000 χ^2/NDF: 43112040.1/117

- sign 0.002+/-0.000 χ^2/NDF: 25078684.0/59



Right In: -0.002+/-0.005 χ^2/NDF: 25.0/33

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

Right Out: -0.000+/-0.005 χ^2/NDF: 28.9/36

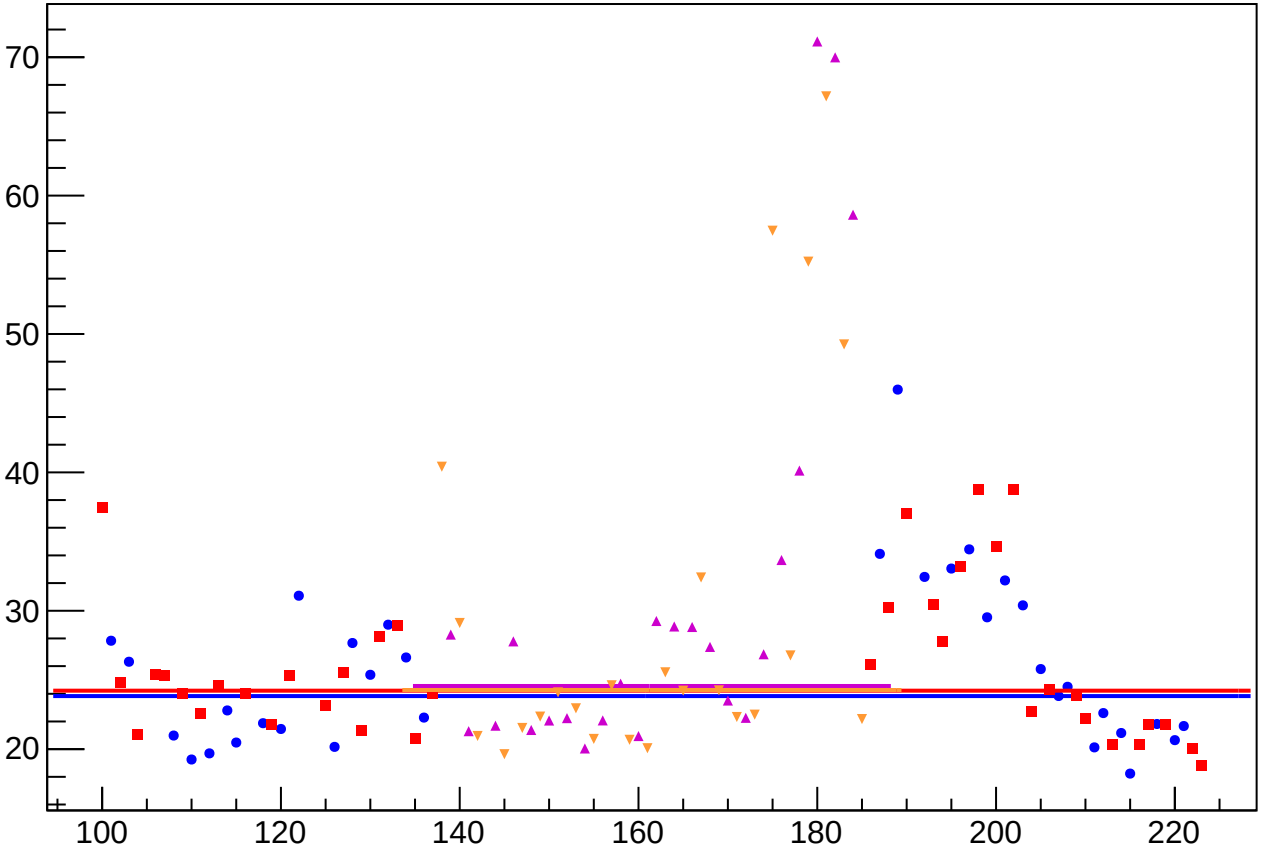
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 39.6/57

All: -0.002+/-0.003 χ^2/NDF: 105.3/117

- sign -0.002+/-0.004 χ^2/NDF: 65.7/59

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.835+/-0.004 χ^2/NDF: 1425010.4/33

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

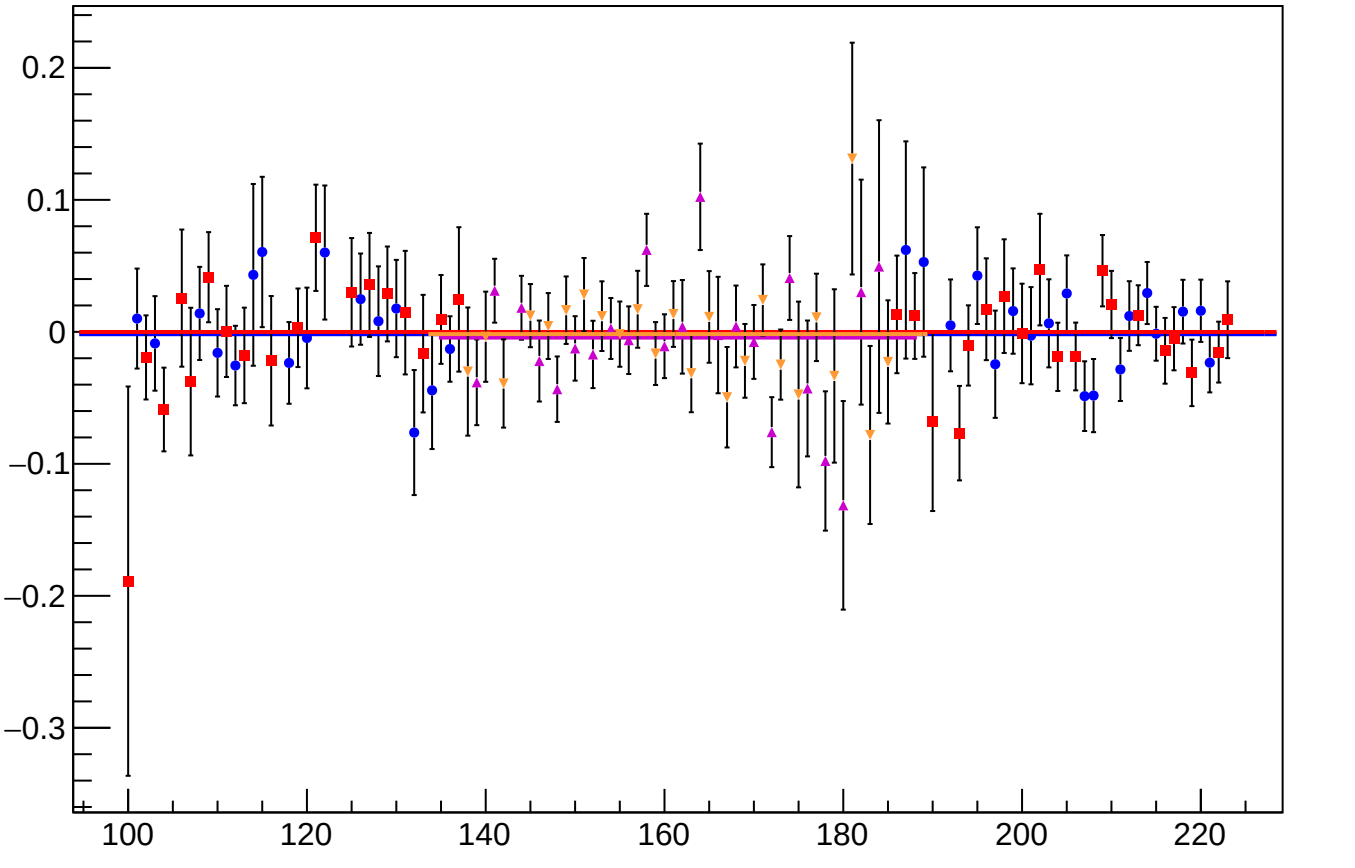
Right Out: 24.226+/-0.004 χ^2/NDF: 1389913.7/36

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

\+ sign 24.022+/-0.003 χ^2/NDF: 3741218.5/57

All: 24.195+/-0.002 χ^2/NDF: 7274181.2/117

\- sign 24.370+/-0.003 χ^2/NDF: 3525935.4/59



Right In: -0.002+/-0.005 χ^2/NDF: 25.0/33

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

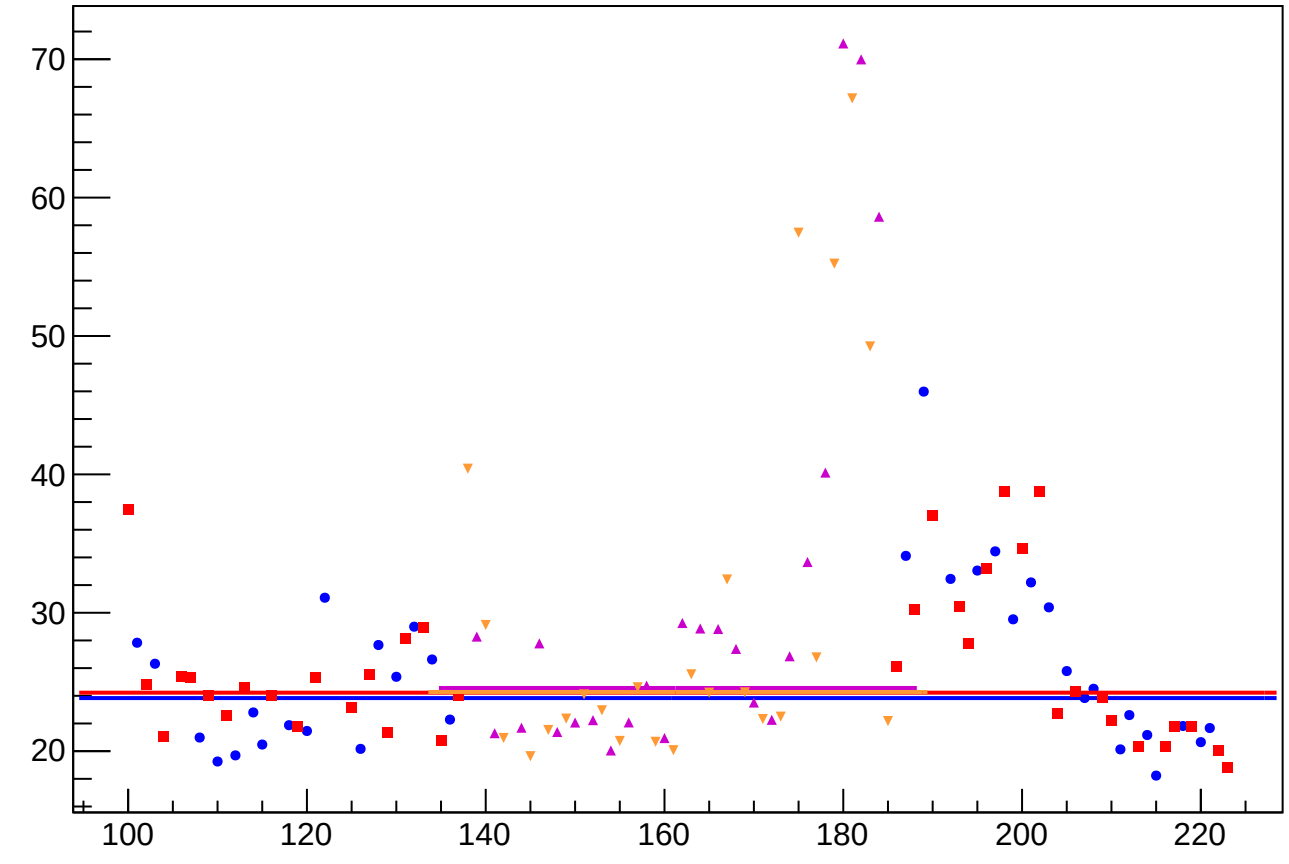
Right Out: -0.000+/-0.005 χ^2/NDF: 28.9/36

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

+ sign -0.002+/-0.004 χ^2/NDF: 39.6/57

All: -0.002+/-0.003 χ^2/NDF: 105.3/117

- sign -0.002+/-0.004 χ^2/NDF: 65.7/59



Right In: 23.835+/-0.004 χ^2/NDF: 1425010.4/33

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

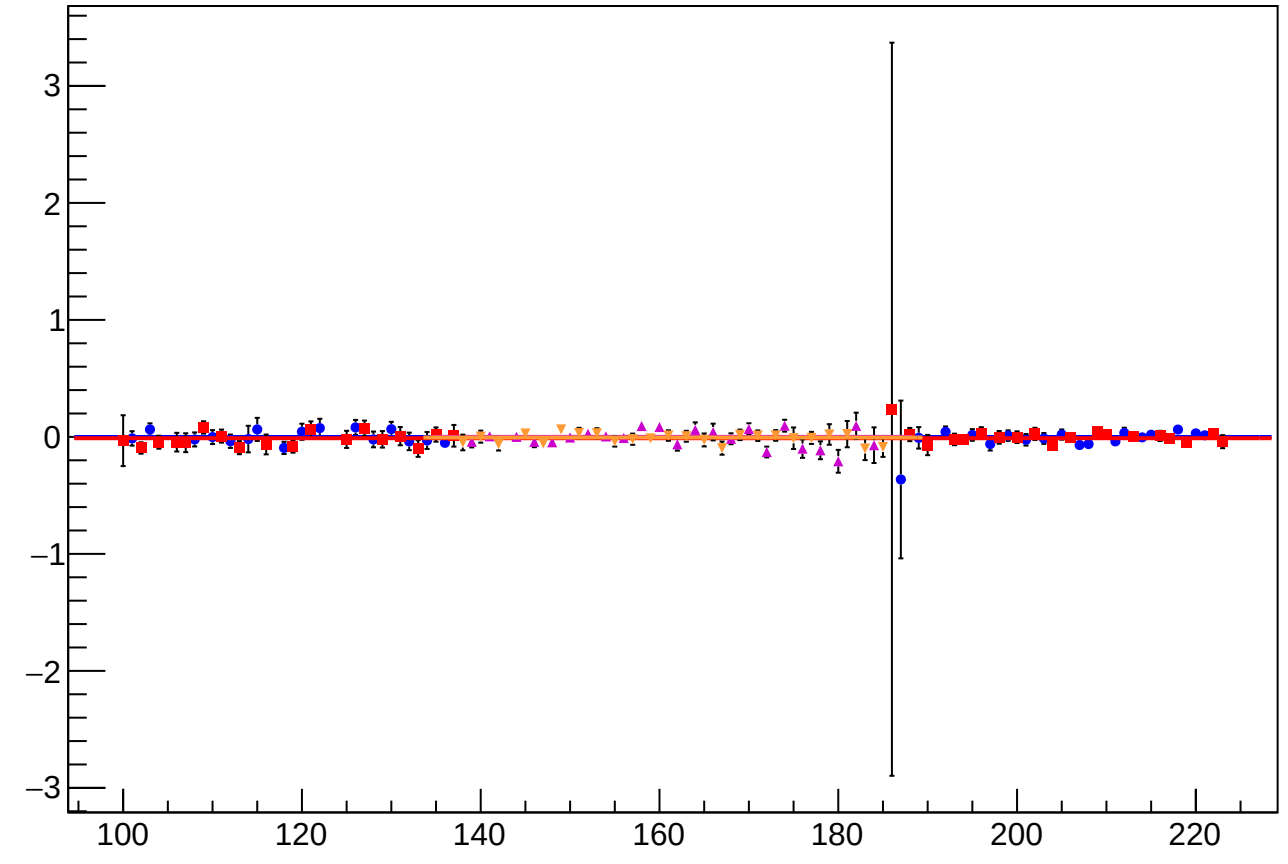
Right Out: 24.226+/-0.004 χ^2/NDF: 1389913.7/36

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

+ sign 24.022+/-0.003 χ^2/NDF: 3741218.5/57

All: 24.195+/-0.002 χ^2/NDF: 7274181.2/117

- sign 24.370+/-0.003 χ^2/NDF: 3525935.4/59



Right In: -0.001+/-0.009 χ^2/NDF: 24.3/33

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

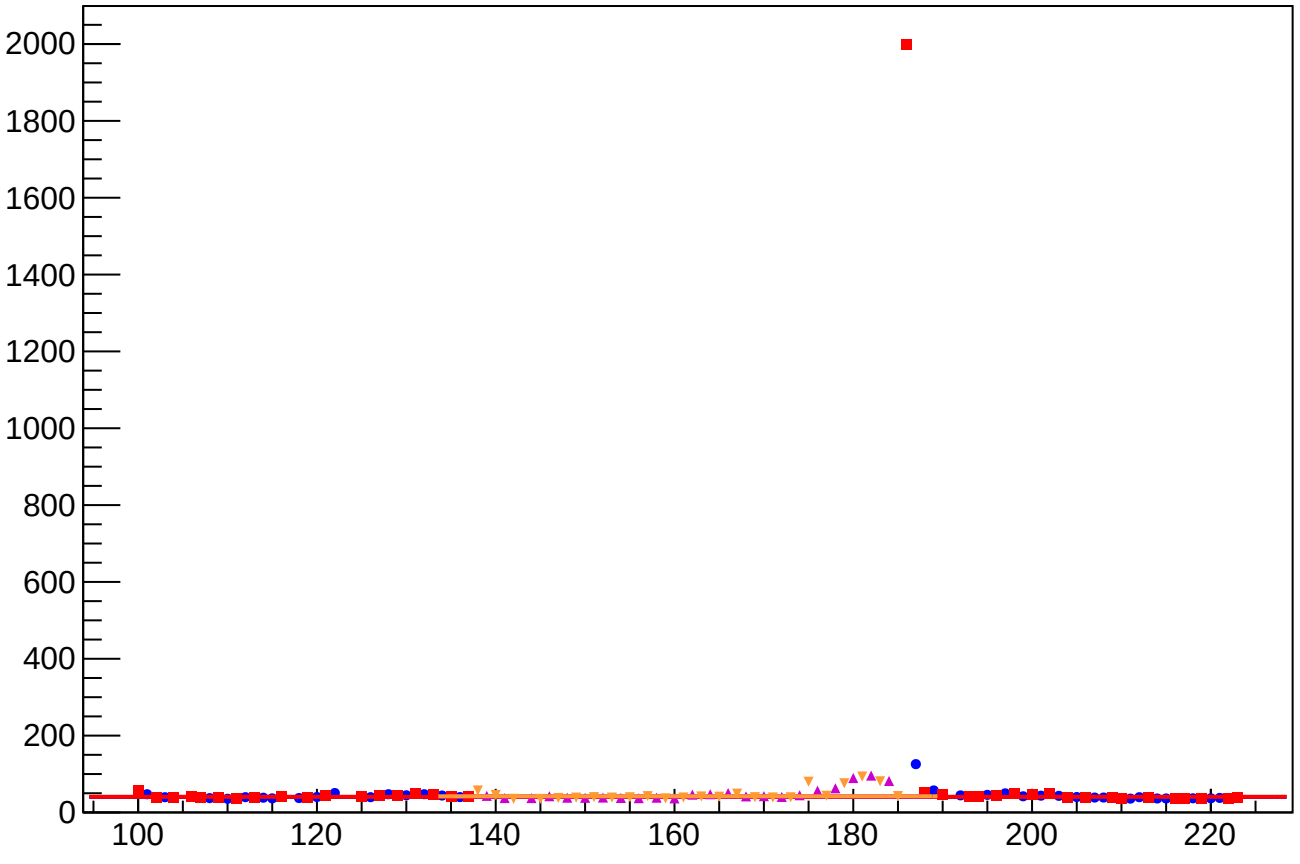
Right Out: -0.011+/-0.009 χ^2/NDF: 25.2/36

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

+ sign -0.003+/-0.007 χ^2/NDF: 38.3/57

All: -0.005+/-0.005 χ^2/NDF: 102.2/117

- sign -0.007+/-0.007 χ^2/NDF: 63.8/59



Right In: 40.368+/-0.006 χ^2/NDF: 468203.5/33

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

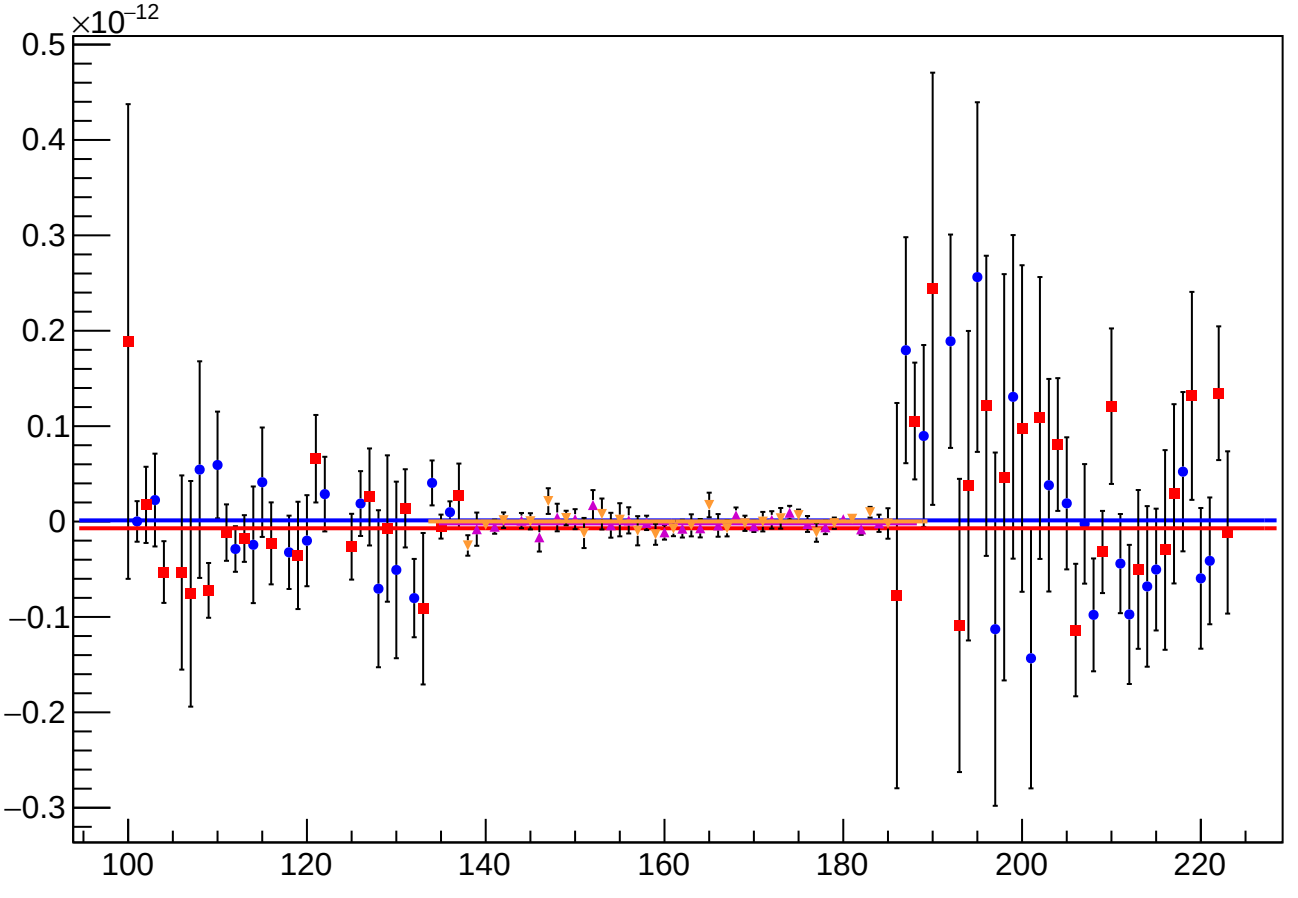
Right Out: 40.632+/-0.006 χ^2/NDF: 1220573.5/36

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

+ sign 41.092+/-0.005 χ^2/NDF: 2215944.5/57

All: 41.167+/-0.003 χ^2/NDF: 5002855.5/117

- sign 41.241+/-0.005 χ^2/NDF: 2786423.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/33

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

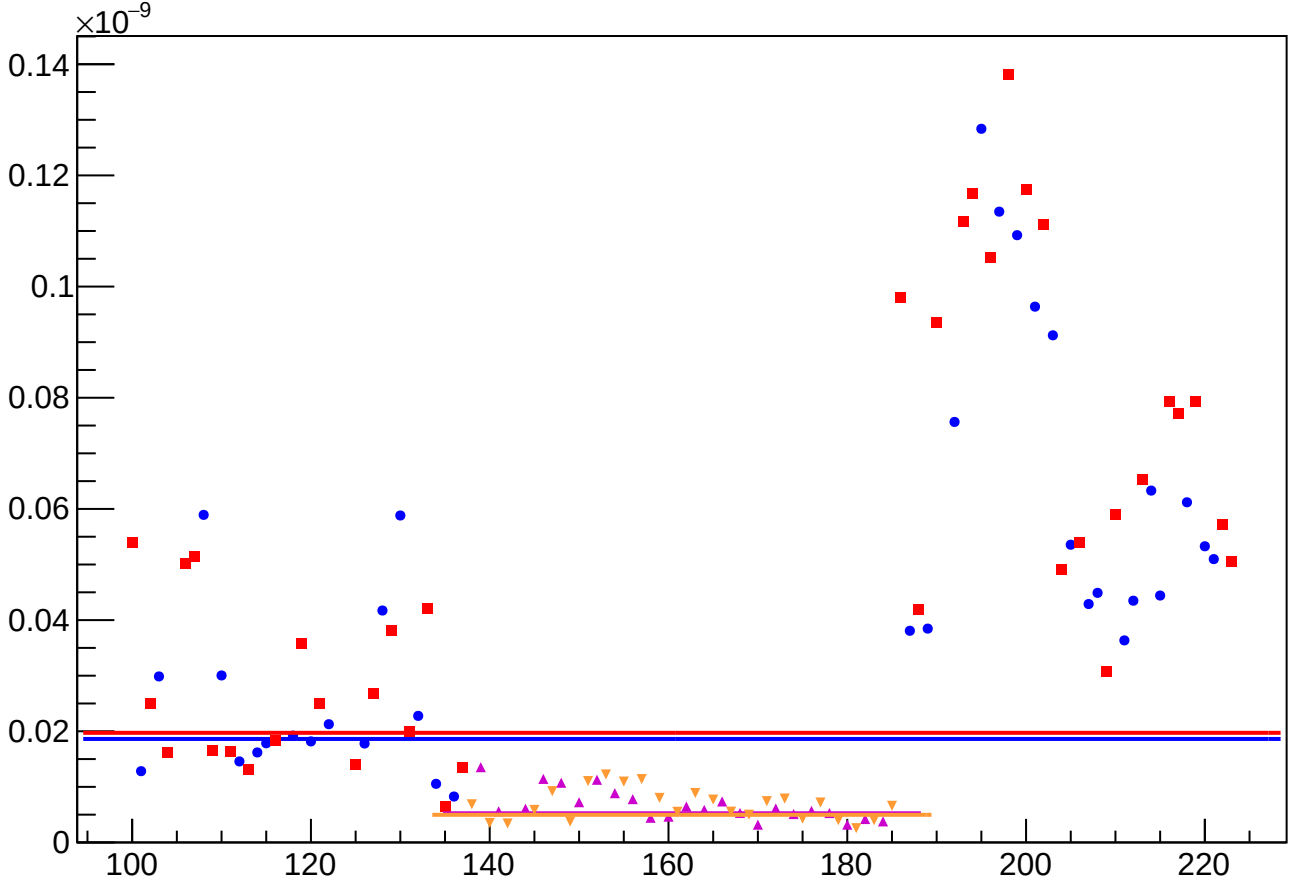
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/36

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

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/57

All: -0.000+/-0.000 χ^2/NDF: 101.5/117

- sign -0.000+/-0.000 χ^2/NDF: 47.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 11079704.8/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 13169180.8/36

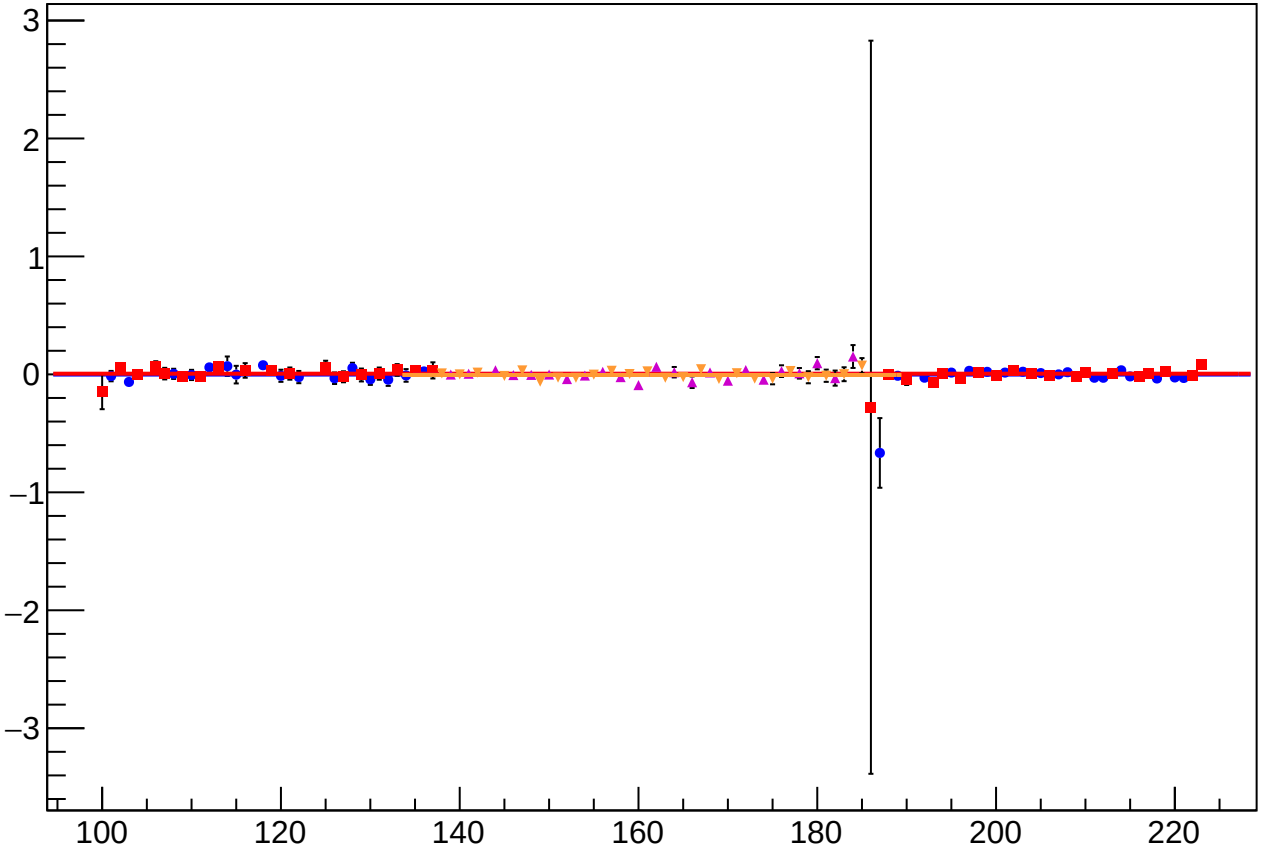
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 22043958.4/57

All: 0.000+/-0.000 χ^2/NDF: 45352462.0/117

- sign 0.000+/-0.000 χ^2/NDF: 23275964.9/59

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 32.6/33

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

Right Out: 0.006+/-0.006 χ^2/NDF: 28.5/36

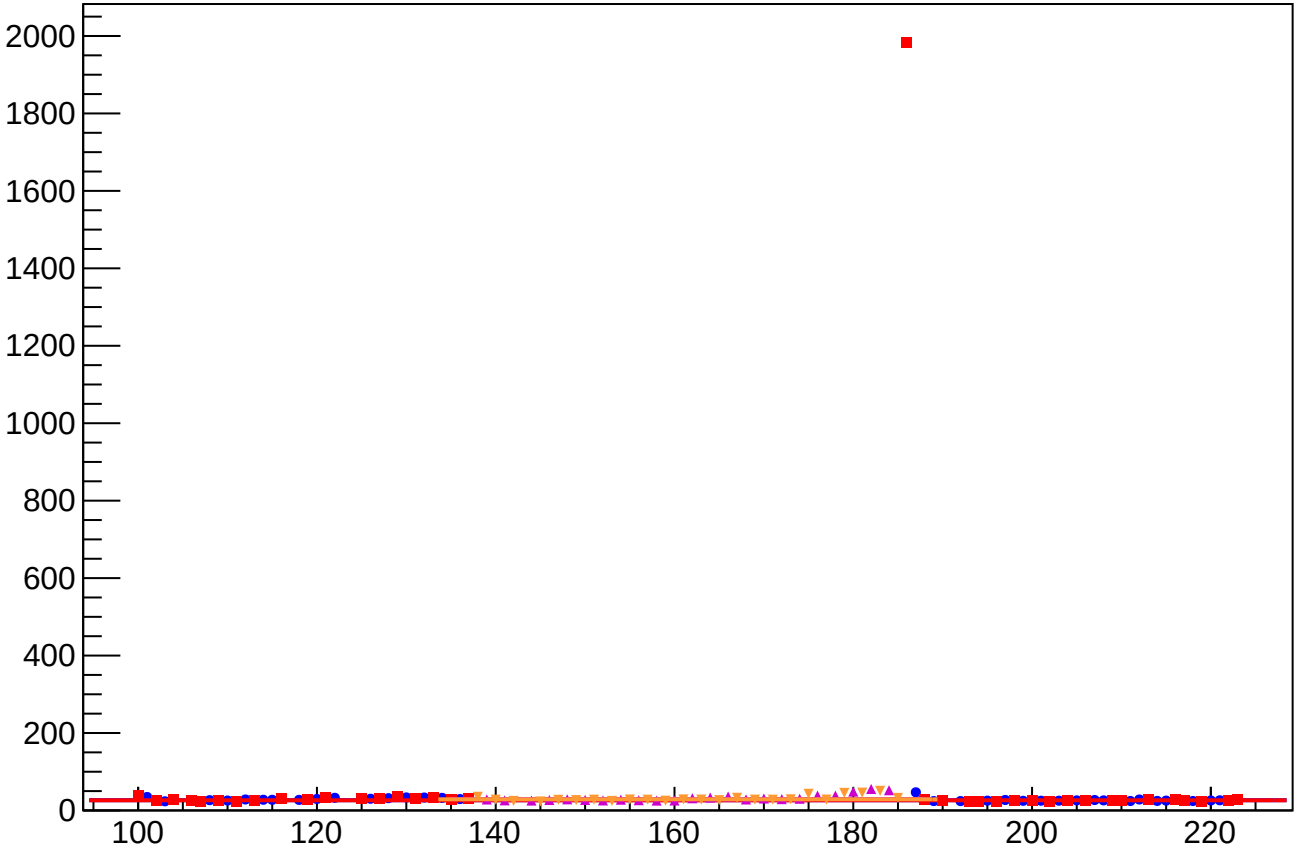
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.005 χ^2/NDF: 49.4/57

All: -0.001+/-0.003 χ^2/NDF: 111.0/117

- sign 0.002+/-0.005 χ^2/NDF: 60.9/59

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.519+/-0.004 χ^2/NDF: 383499.9/33

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

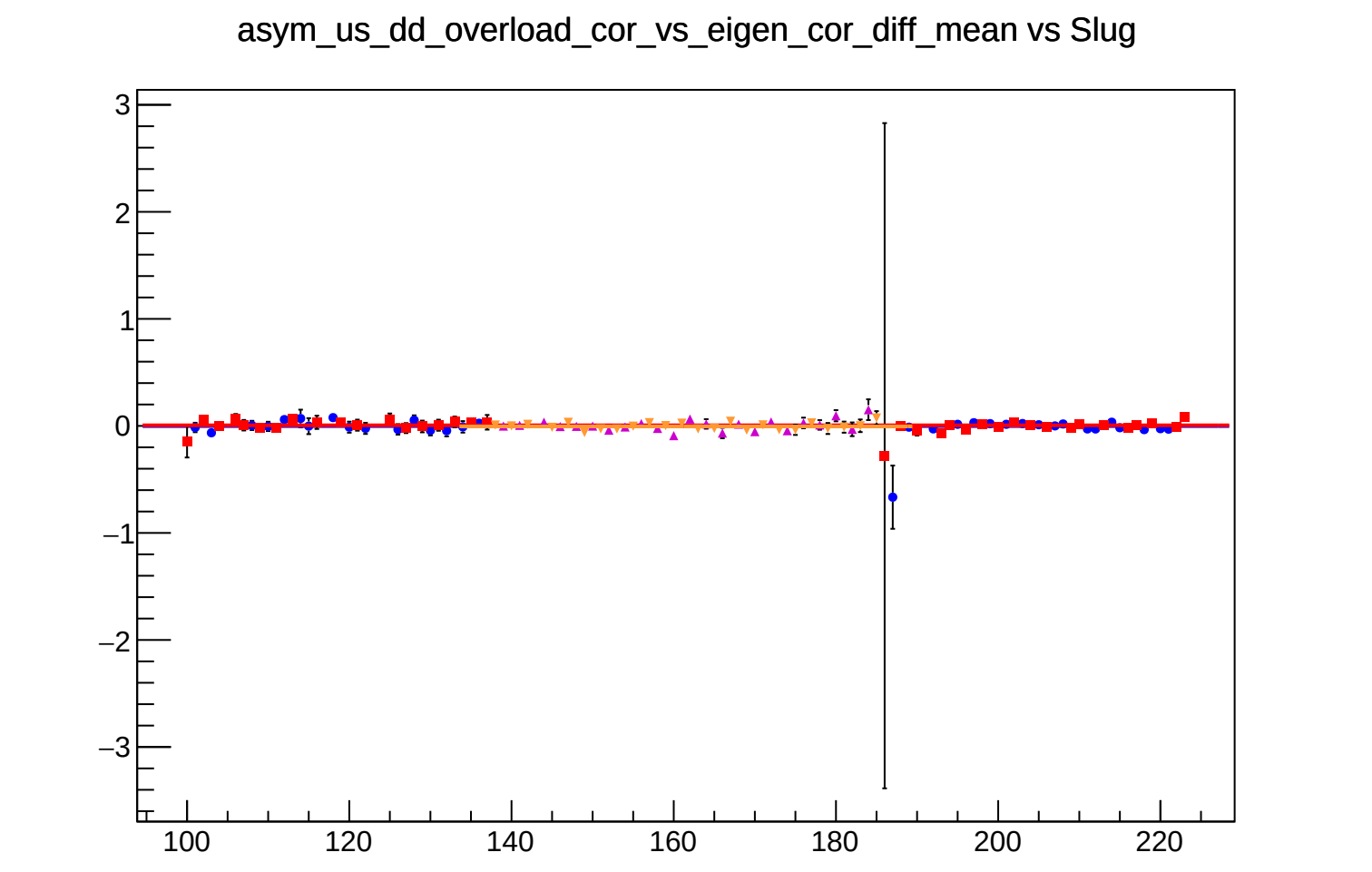
Right Out: 26.277+/-0.004 χ^2/NDF: 1168207.6/36

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

+ sign 27.449+/-0.003 χ^2/NDF: 1675081.4/57

All: 27.456+/-0.002 χ^2/NDF: 4190597.6/117

- sign 27.464+/-0.003 χ^2/NDF: 2515505.6/59



Right In: -0.002+/-0.006 χ^2/NDF: 32.6/33

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

Right Out: 0.006+/-0.006 χ^2/NDF: 28.5/36

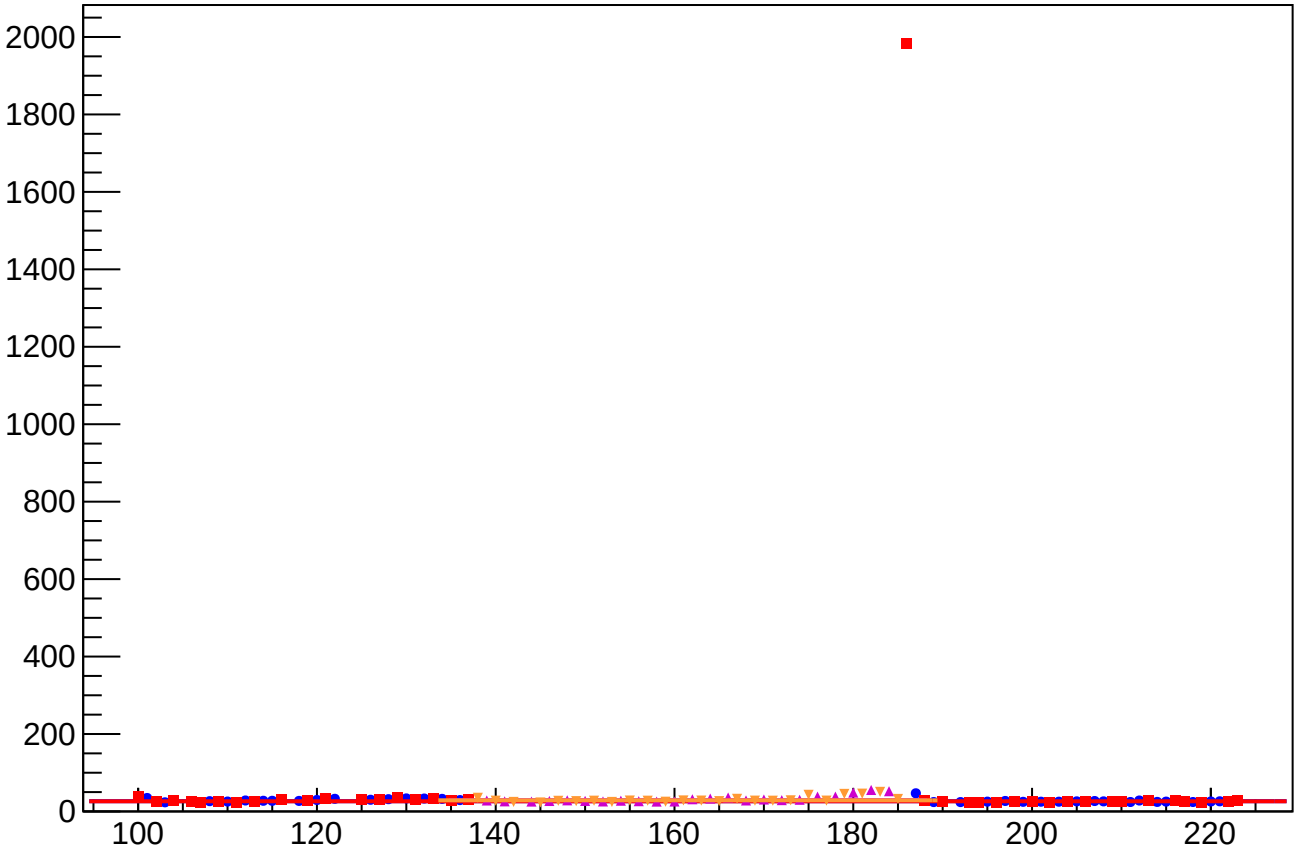
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.005 χ^2/NDF: 49.4/57

All: -0.001+/-0.003 χ^2/NDF: 111.0/117

- sign 0.002+/-0.005 χ^2/NDF: 60.9/59

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.519+/-0.004 χ^2/NDF: 383499.9/33

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

Right Out: 26.277+/-0.004 χ^2/NDF: 1168207.6/36

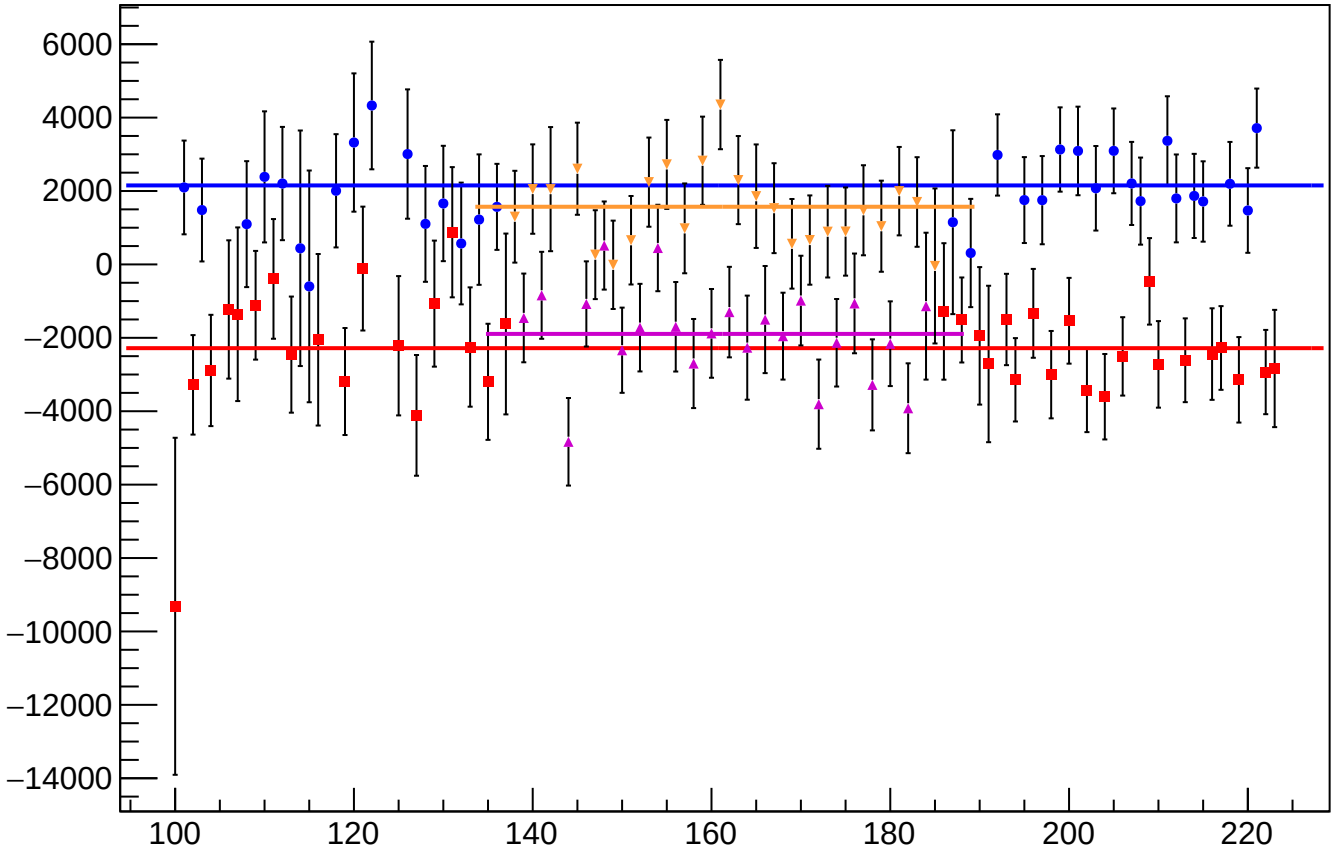
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.449+/-0.003 χ^2/NDF: 1675081.4/57

All: 27.456+/-0.002 χ^2/NDF: 4190597.6/117

- sign 27.464+/-0.003 χ^2/NDF: 2515505.6/59

reg_asym_usl_mean vs Slug



Right In: 2152.216+/-231.801 χ^2/NDF: 14.2/33

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

Right Out: -2281.793+/-229.759 χ^2/NDF: 22.0/37

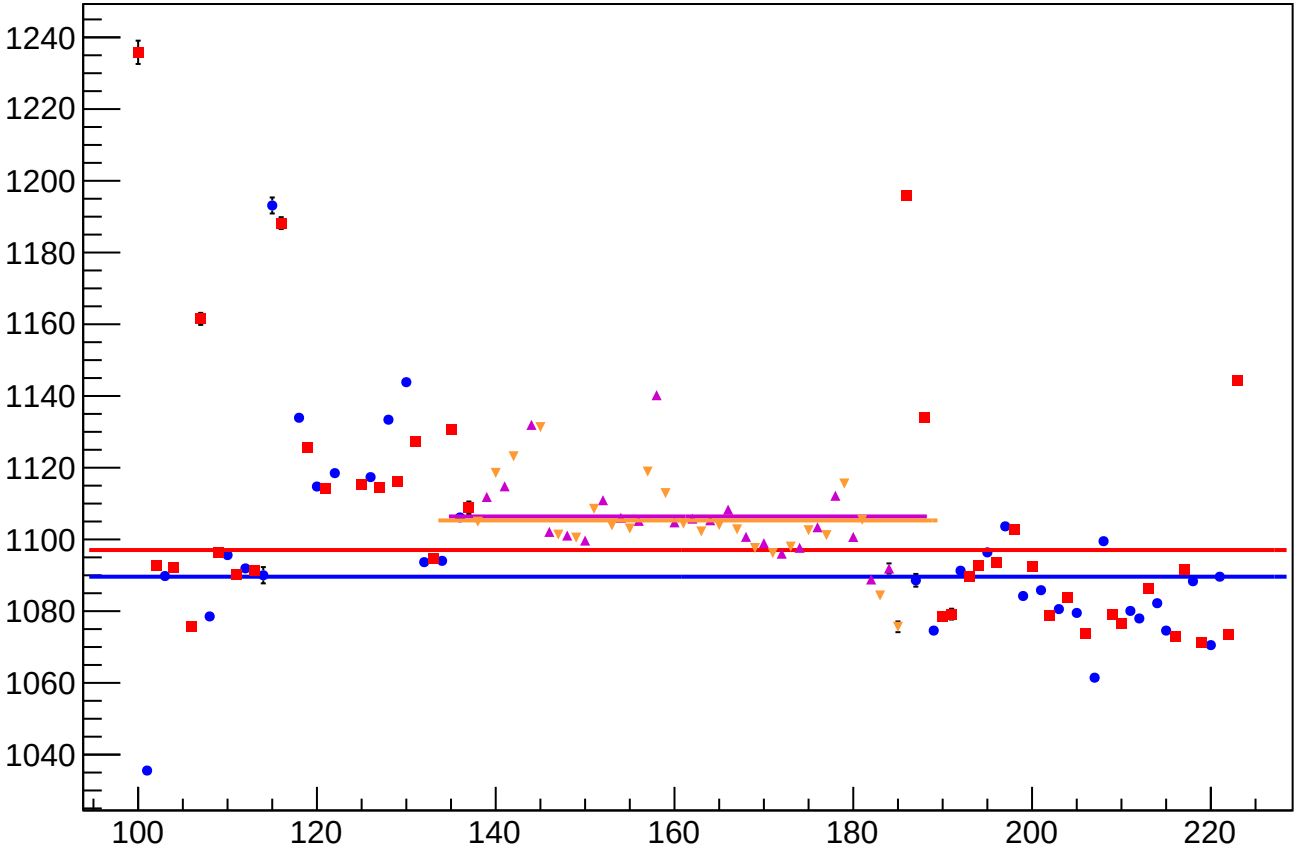
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1890.997+/-171.990 χ^2/NDF: 32.4/57

All: -113.192+/-121.507 χ^2/NDF: 350.9/118

- sign -2110.237+/-171.683 χ^2/NDF: 47.4/60

reg_asym_usl_rms vs Slug



Right In: 1089.610+/-0.164 χ^2/NDF: 16832.0/33

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

Right Out: 1097.045+/-0.162 χ^2/NDF: 25440.4/37

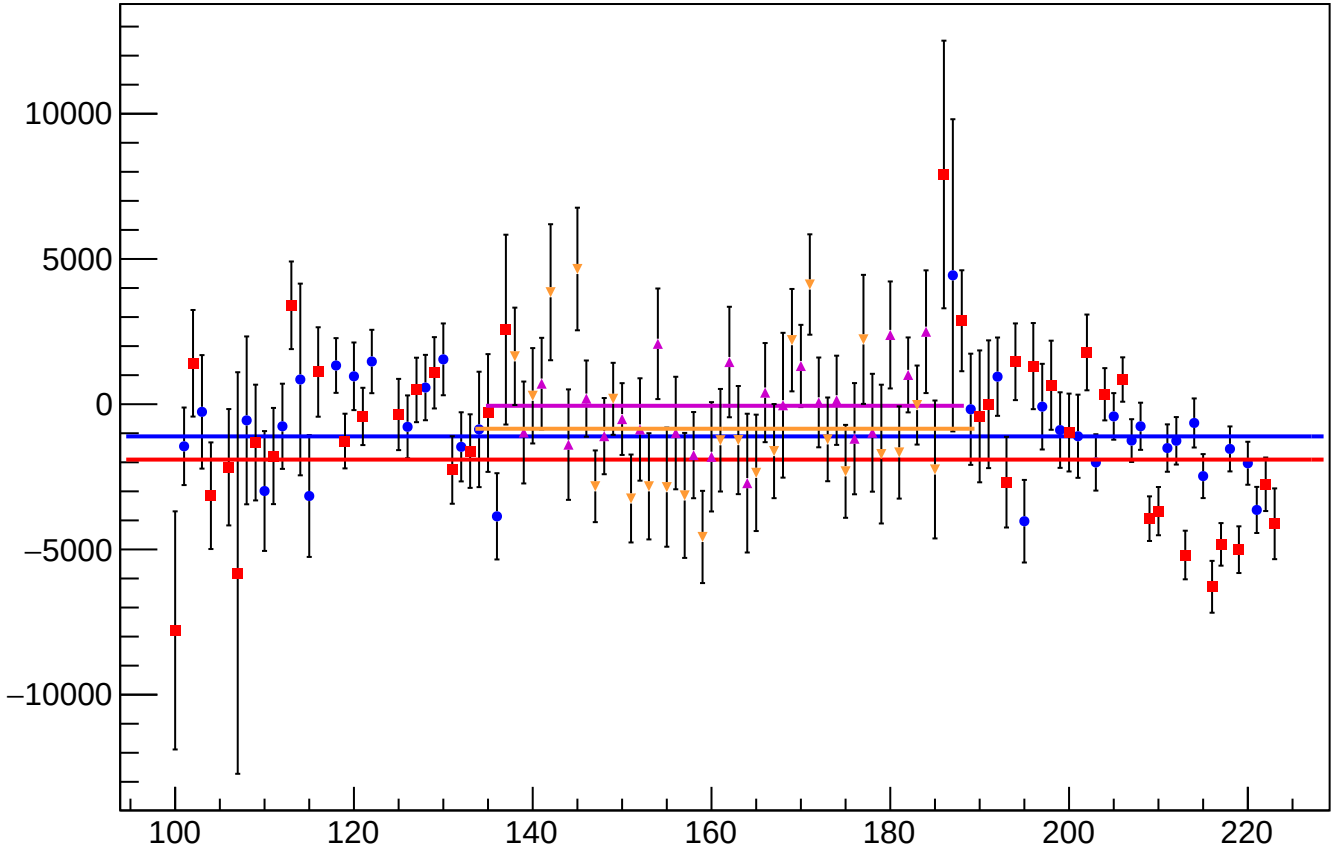
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.660+/-0.122 χ^2/NDF: 24109.3/57

All: 1098.923+/-0.086 χ^2/NDF: 55483.6/118

- sign 1101.179+/-0.121 χ^2/NDF: 30682.7/60

asym_usl_reg_correction_mean vs Slug



Right In: -1108.008+/-187.378 χ^2/NDF: 54.5/33

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

Right Out: -1906.616+/-195.272 χ^2/NDF: 181.2/37

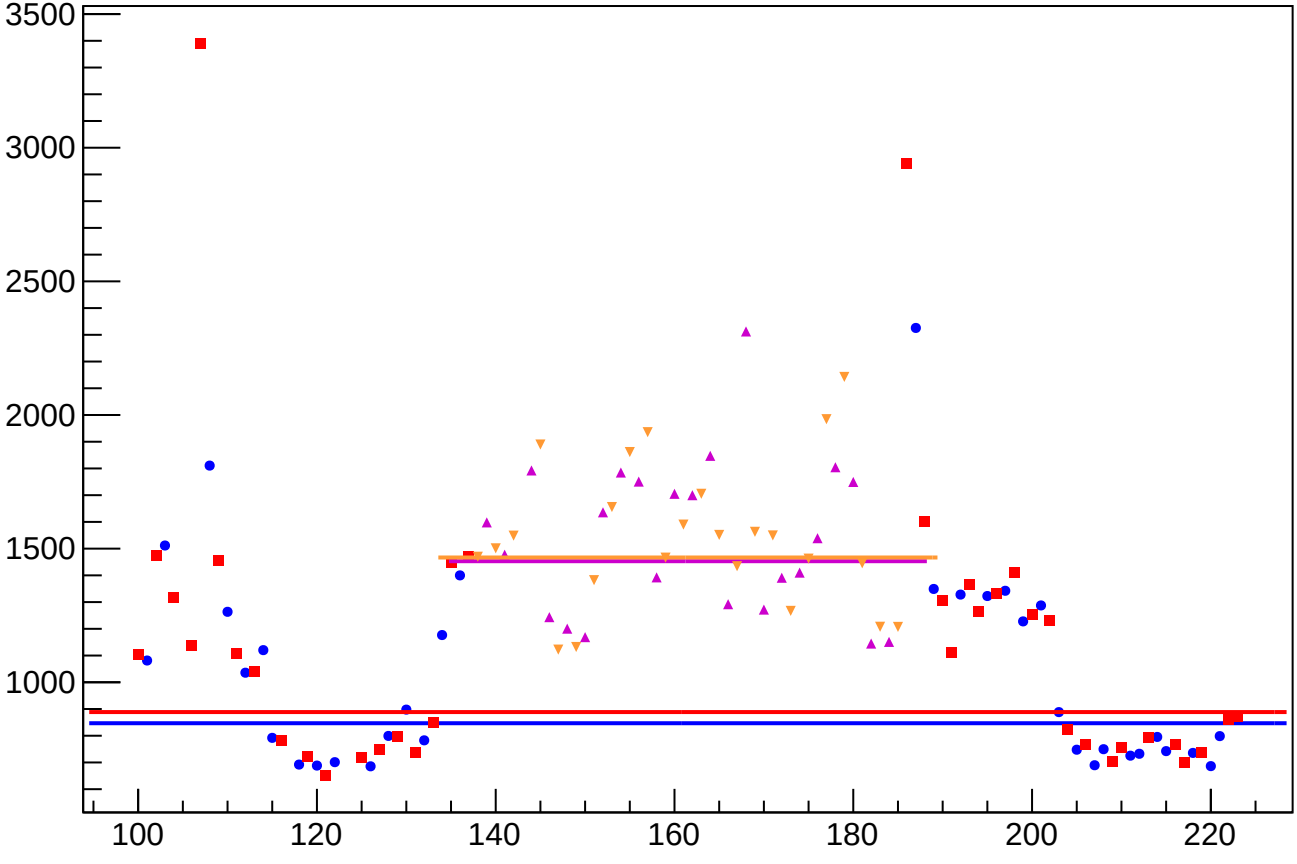
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -1048.643+/-164.912 χ^2/NDF: 99.1/57

All: -1247.567+/-118.387 χ^2/NDF: 318.1/118

- sign -1459.089+/-170.054 χ^2/NDF: 216.0/60

asym_usl_reg_correction_rms vs Slug



Right In: 846.781+/-0.132 χ^2/NDF: 2943336.5/33

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

Right Out: 888.526+/-0.138 χ^2/NDF: 3710501.4/37

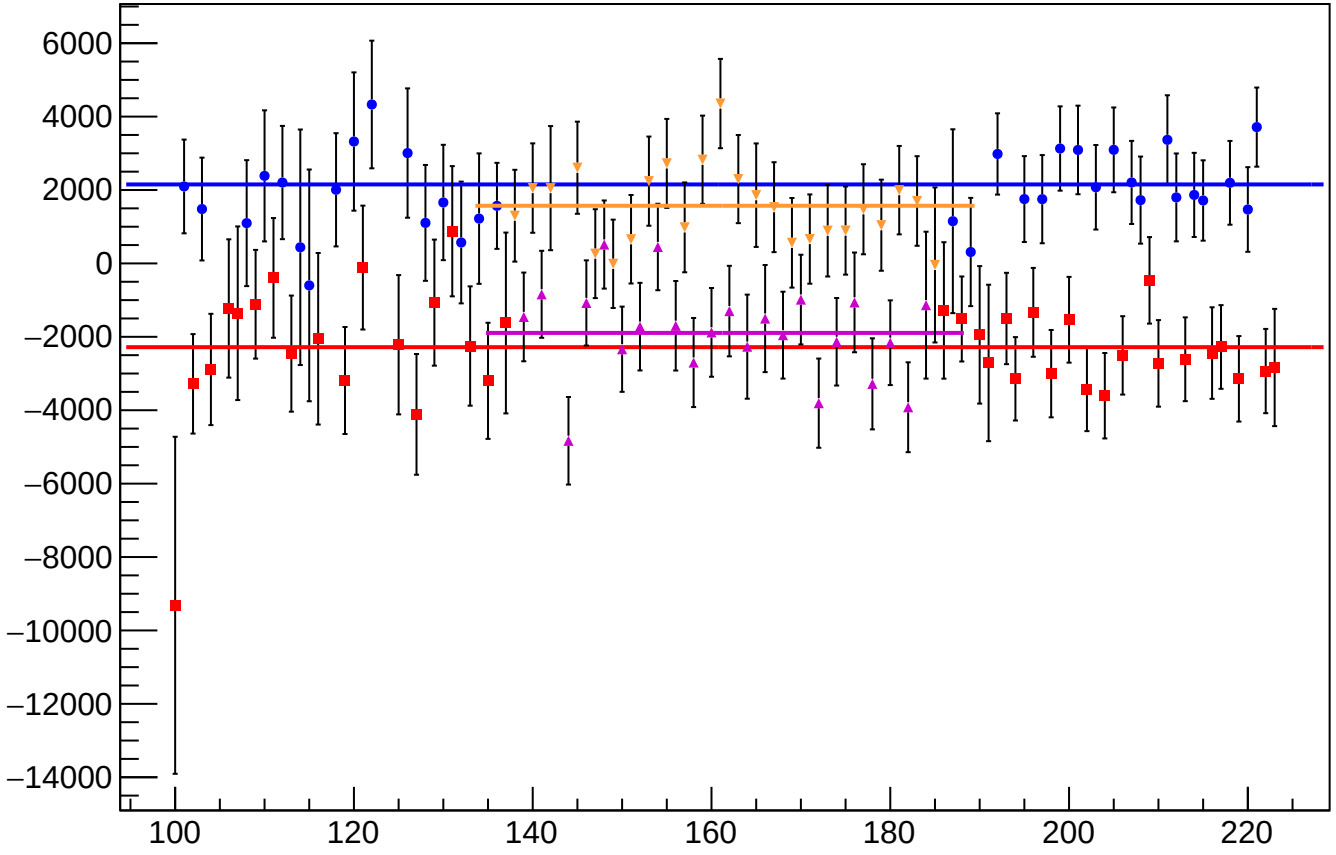
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 986.552+/-0.117 χ^2/NDF: 8923473.0/57

All: 1005.140+/-0.084 χ^2/NDF: 17853601.7/1

- sign 1024.904+/-0.120 χ^2/NDF: 8877703.7/60

cor_asym_usl_mean vs Slug



Right In: 2152.216+/-231.801 χ^2/NDF: 14.2/33

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

Right Out: -2281.787+/-229.759 χ^2/NDF: 22.0/37

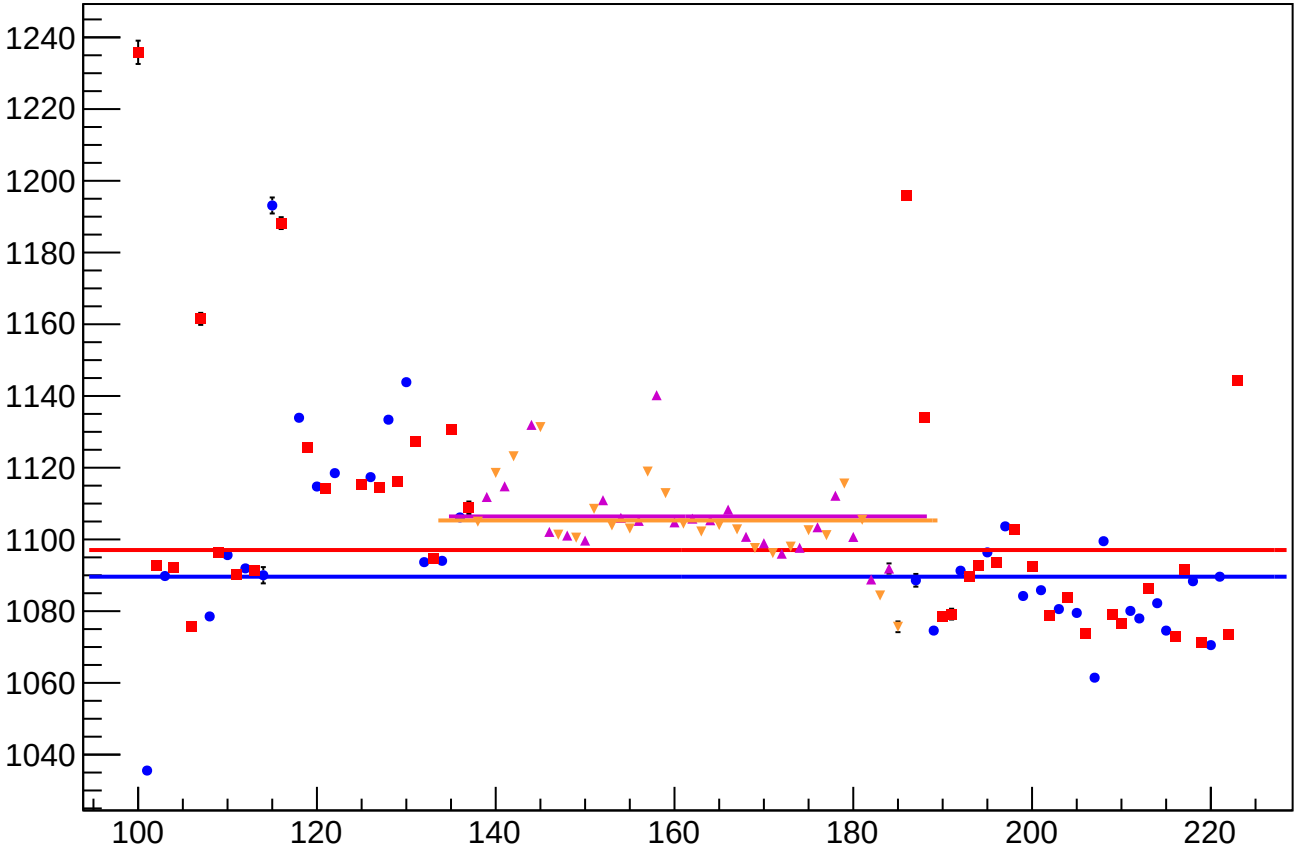
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1890.997+/-171.990 χ^2/NDF: 32.4/57

All: -113.191+/-121.507 χ^2/NDF: 350.9/118

- sign -2110.234+/-171.683 χ^2/NDF: 47.4/60

cor_asym_usl_rms vs Slug



Right In: 1089.610+/-0.164 χ^2/NDF: 16832.0/33

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

Right Out: 1097.045+/-0.162 χ^2/NDF: 25440.4/37

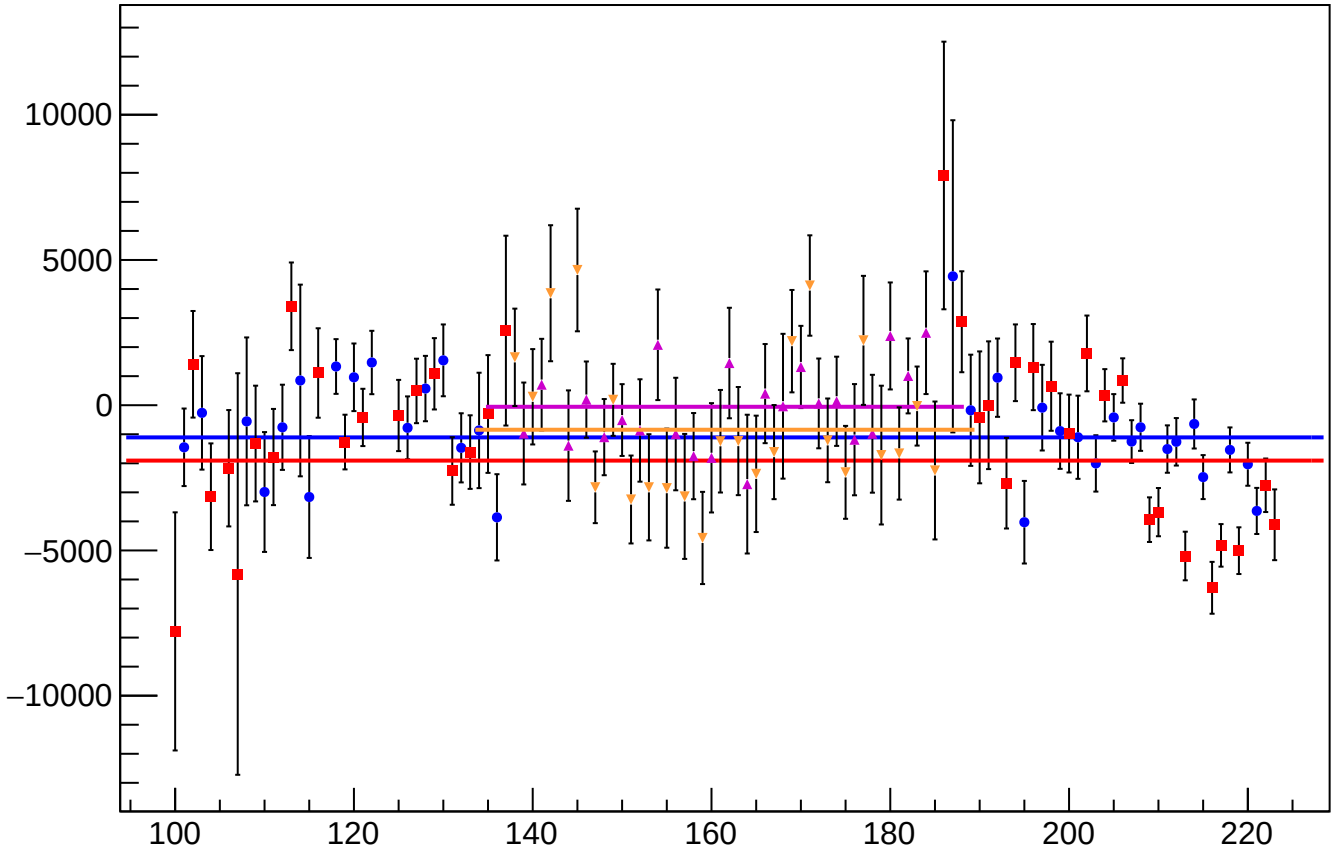
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.660+/-0.122 χ^2/NDF: 24109.3/57

All: 1098.923+/-0.086 χ^2/NDF: 55483.6/118

- sign 1101.179+/-0.121 χ^2/NDF: 30682.7/60

asym_usl_cor_correction_mean vs Slug



Right In: -1108.008+/-187.378 χ^2/NDF: 54.5/33

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

Right Out: -1906.616+/-195.272 χ^2/NDF: 181.2/37

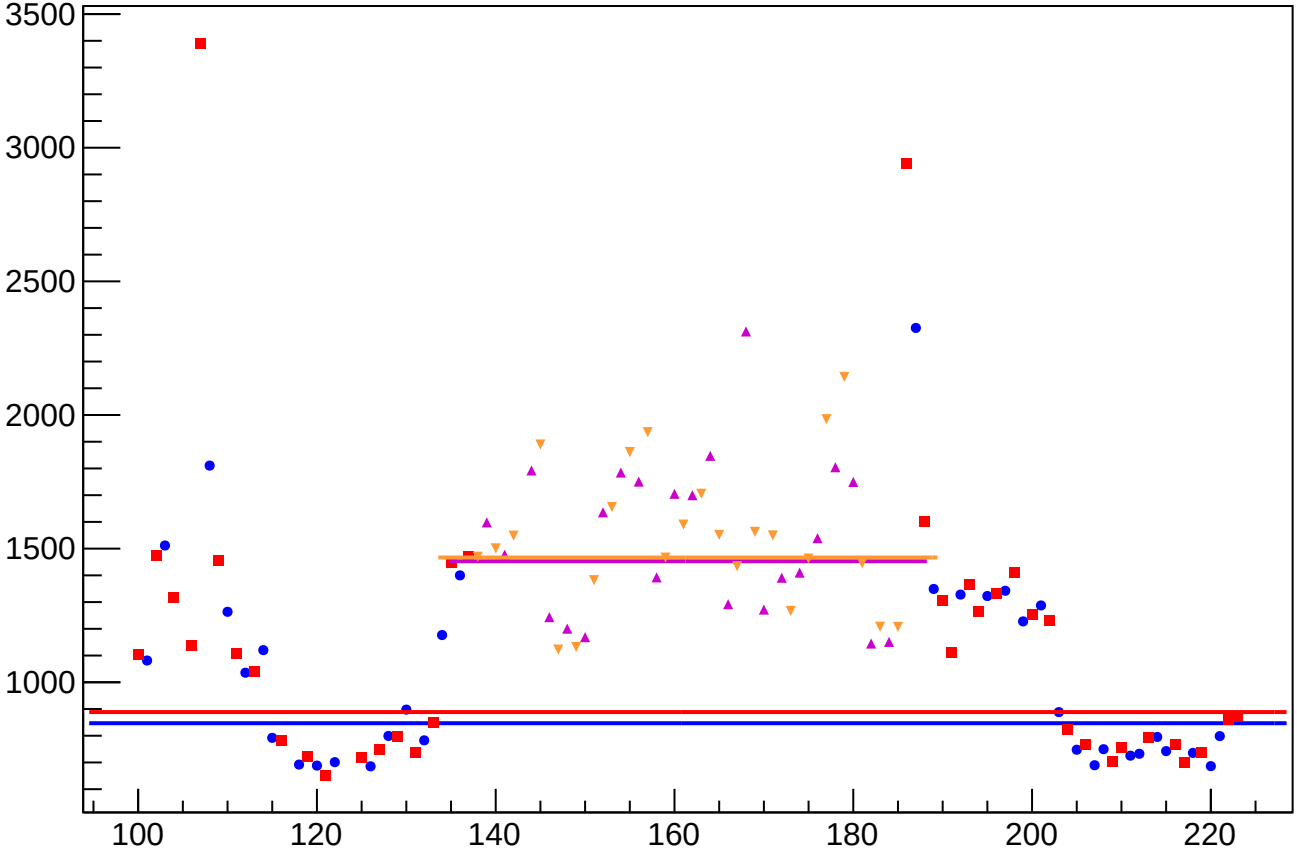
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -1048.643+/-164.912 χ^2/NDF: 99.1/57

All: -1247.567+/-118.387 χ^2/NDF: 318.1/118

- sign -1459.088+/-170.054 χ^2/NDF: 216.0/60

asym_usl_cor_correction_rms vs Slug



Right In: 846.781+/-0.132 χ^2/NDF: 2943336.5/33

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

Right Out: 888.526+/-0.138 χ^2/NDF: 3710499.5/37

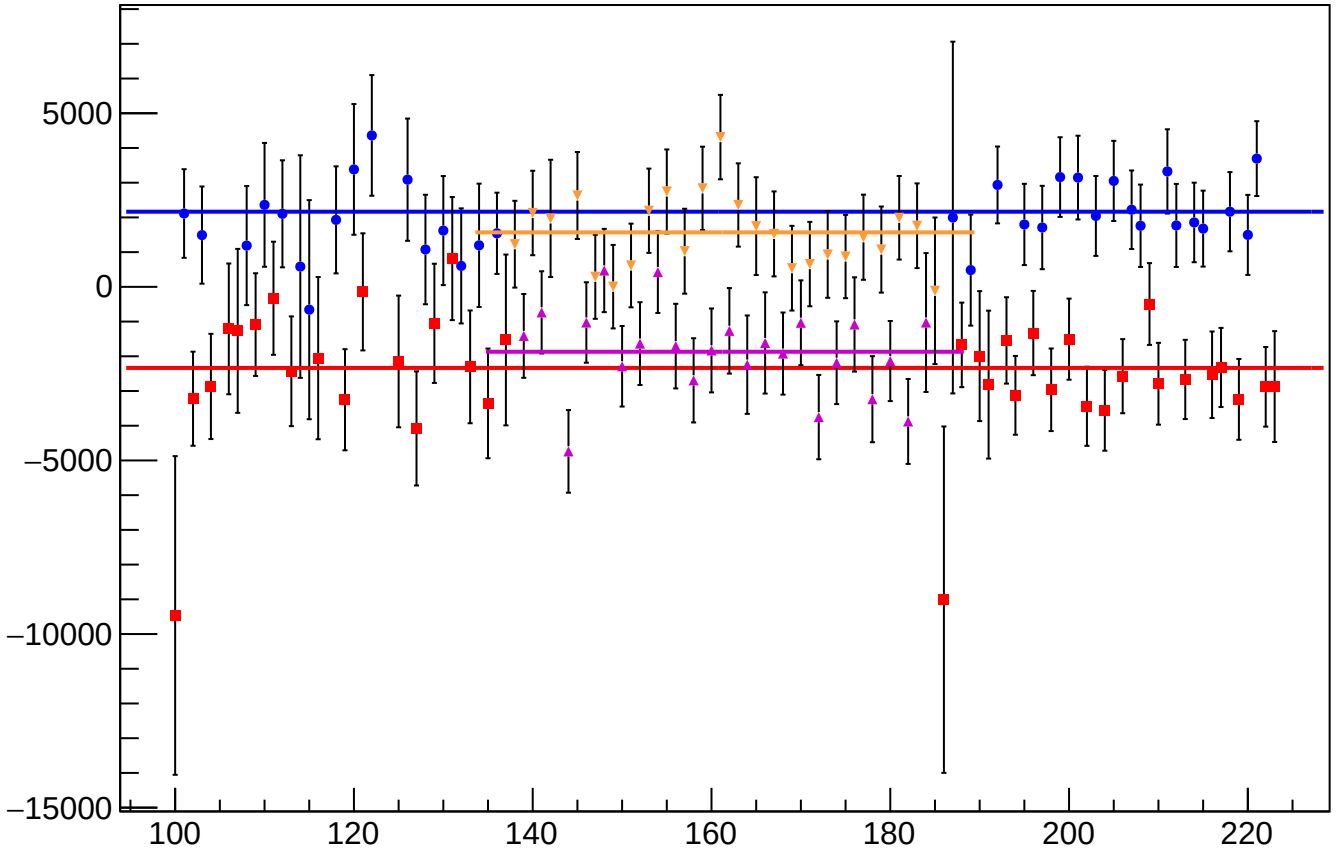
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 986.552+/-0.117 χ^2/NDF: 8923473.0/57

All: 1005.140+/-0.084 χ^2/NDF: 17853600.6/1

- sign 1024.904+/-0.120 χ^2/NDF: 8877702.9/60

overload_cor_asym_usl_mean vs Slug



Right In: 2164.448+/-232.837 χ^2/NDF: 13.6/33

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

Right Out: -2335.051+/-231.604 χ^2/NDF: 23.5/37

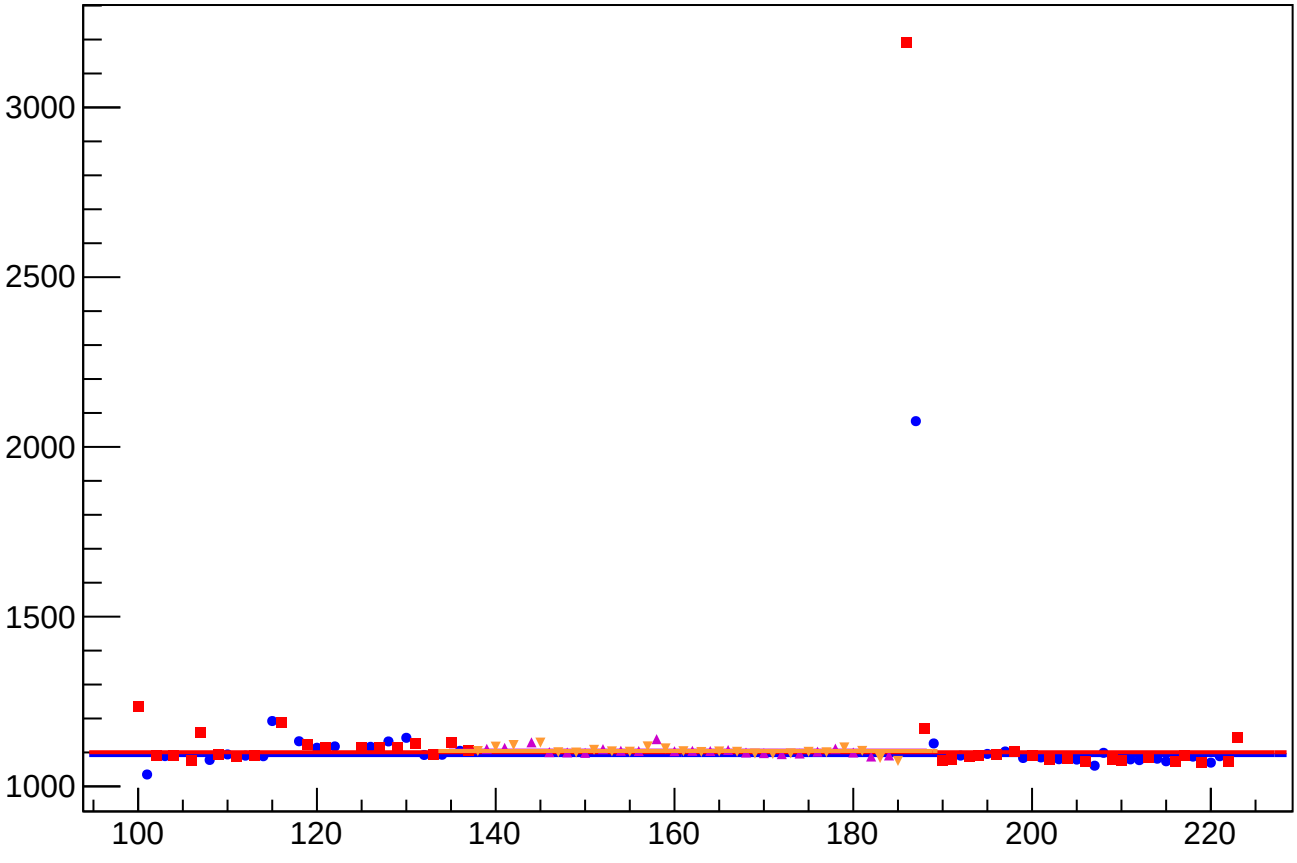
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1895.118+/-172.338 χ^2/NDF: 32.0/57

All: -115.645+/-121.875 χ^2/NDF: 353.0/118

- sign -2127.320+/-172.377 χ^2/NDF: 48.7/60

overload_cor_asym_usl_rms vs Slug



Right In: 1092.148+/-0.165 χ^2/NDF: 93098.9/33

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

Right Out: 1100.622+/-0.164 χ^2/NDF: 376888.2/37

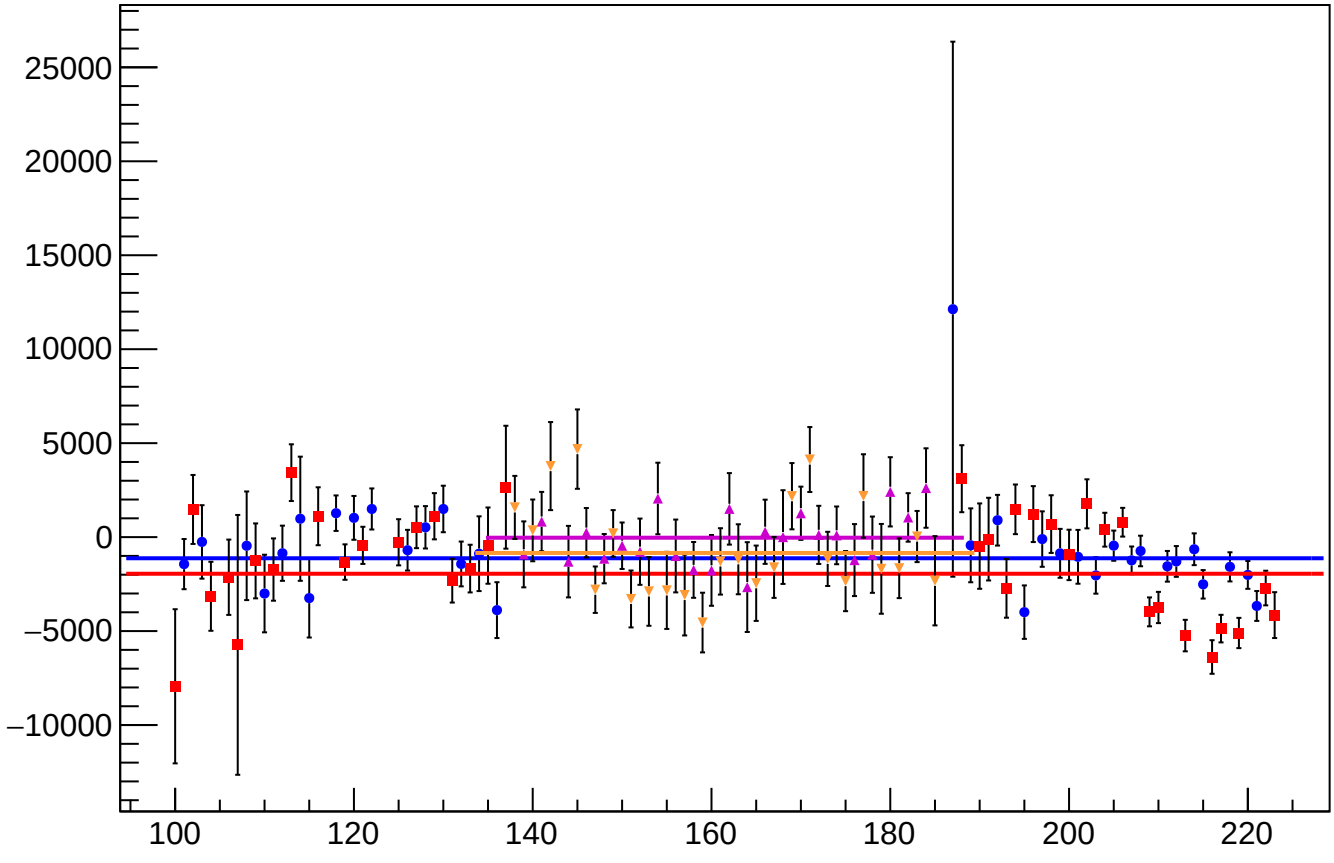
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1097.623+/-0.122 χ^2/NDF: 98544.6/57

All: 1100.183+/-0.086 χ^2/NDF: 480353.3/118

- sign 1102.745+/-0.122 χ^2/NDF: 380925.8/60

asym_usl_overload_cor_correction_mean vs Slug



Right In: -1125.176+/-187.748 χ^2/NDF: 54.2/33

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

Right Out: -1949.035+/-195.742 χ^2/NDF: 180.3/36

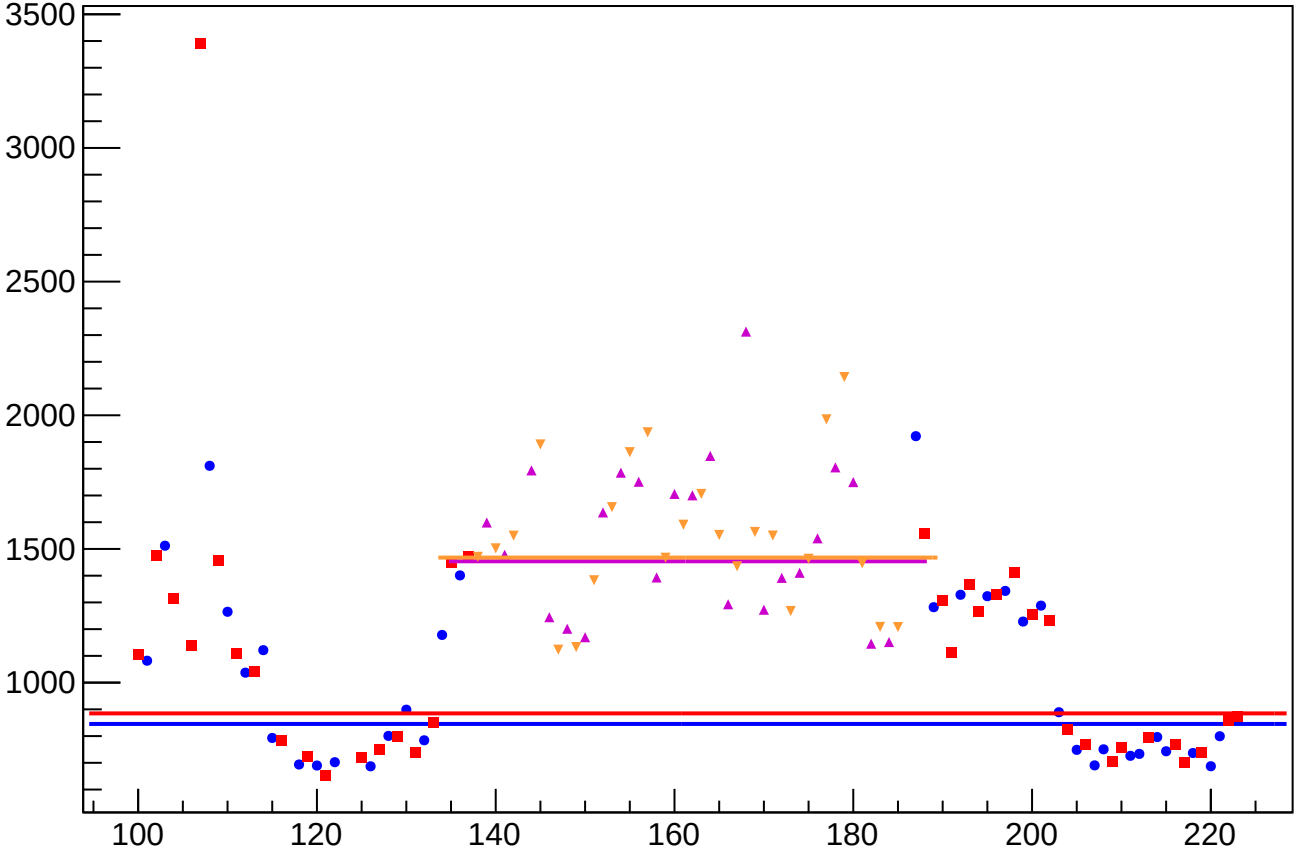
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -1061.493+/-165.185 χ^2/NDF: 98.7/57

All: -1266.400+/-118.600 χ^2/NDF: 318.5/117

- sign -1484.414+/-170.387 χ^2/NDF: 216.6/59

asym_usl_overload_cor_correction_rms vs Slug



Right In: 845.399+/-0.133 χ^2/NDF: 2756250.9/33

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

Right Out: 884.859+/-0.138 χ^2/NDF: 3246395.4/36

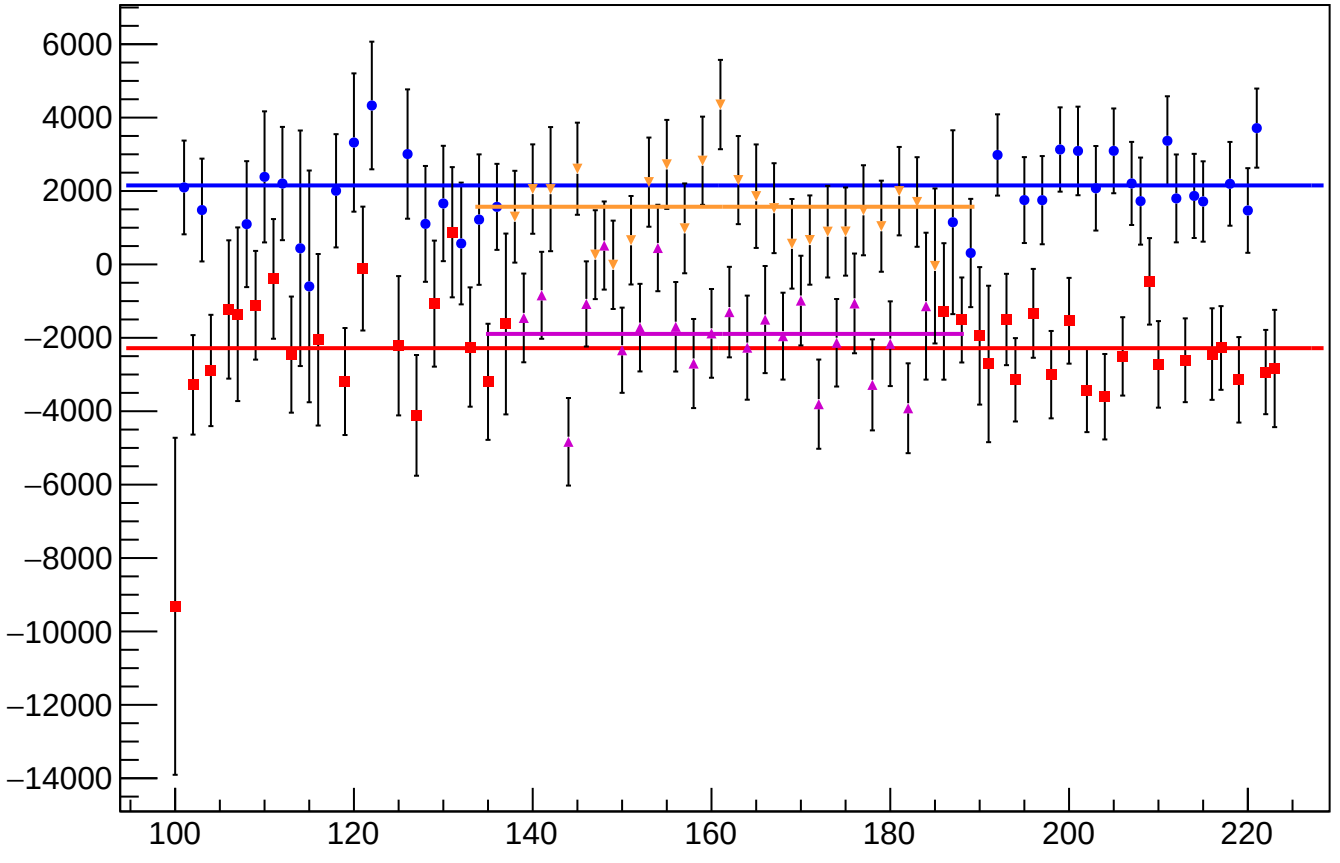
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 985.983+/-0.117 χ^2/NDF: 8761907.5/57

All: 1003.779+/-0.084 χ^2/NDF: 17278513.5/1

- sign 1022.714+/-0.120 χ^2/NDF: 8468695.2/59

eigen_cor_asym_usl_mean vs Slug



Right In: 2152.216+/-231.801 χ^2/NDF: 14.2/33

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

Right Out: -2281.787+/-229.759 χ^2/NDF: 22.0/37

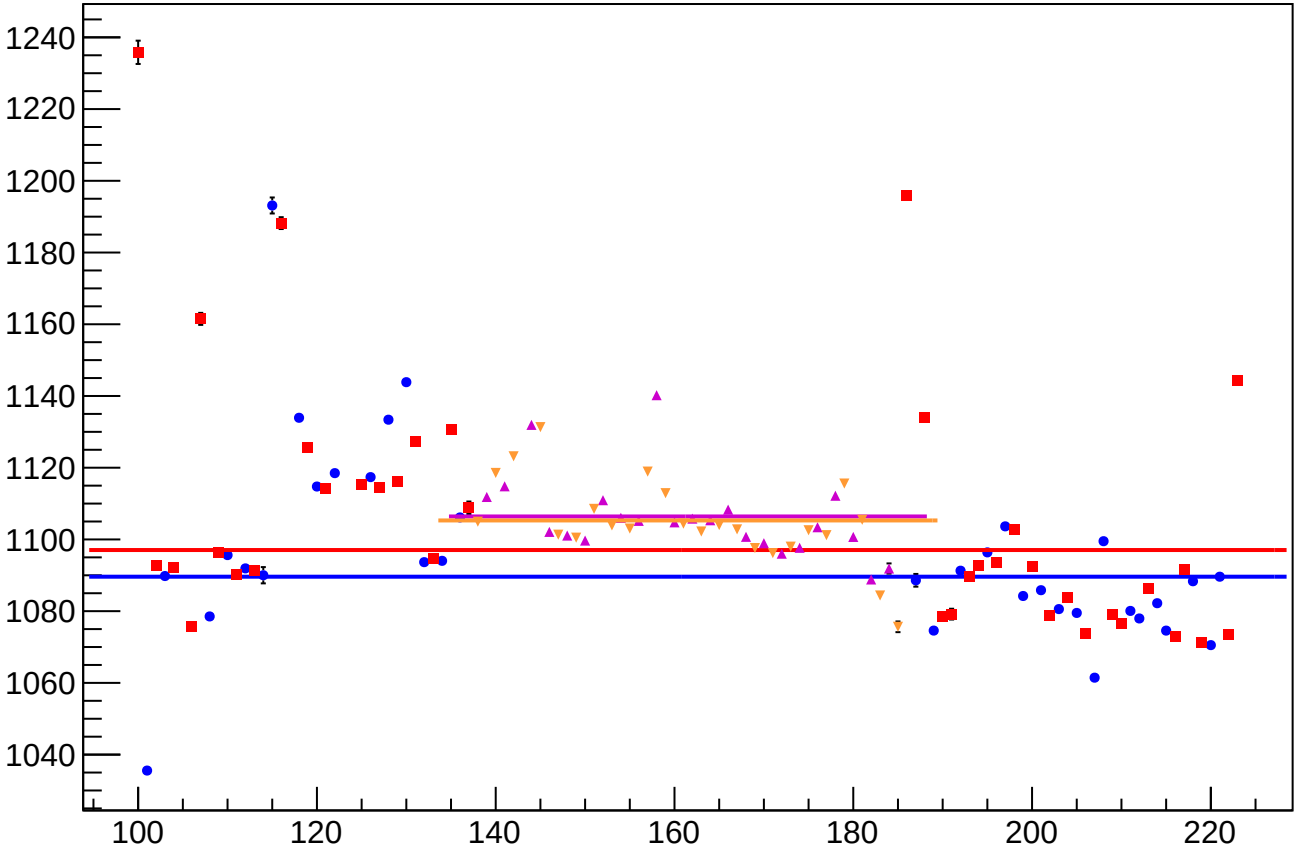
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1890.997+/-171.990 χ^2/NDF: 32.4/57

All: -113.191+/-121.507 χ^2/NDF: 350.9/118

- sign -2110.234+/-171.683 χ^2/NDF: 47.4/60

eigen_cor_asym_usl_rms vs Slug



Right In: 1089.610+/-0.164 χ^2/NDF: 16832.0/33

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

Right Out: 1097.045+/-0.162 χ^2/NDF: 25440.4/37

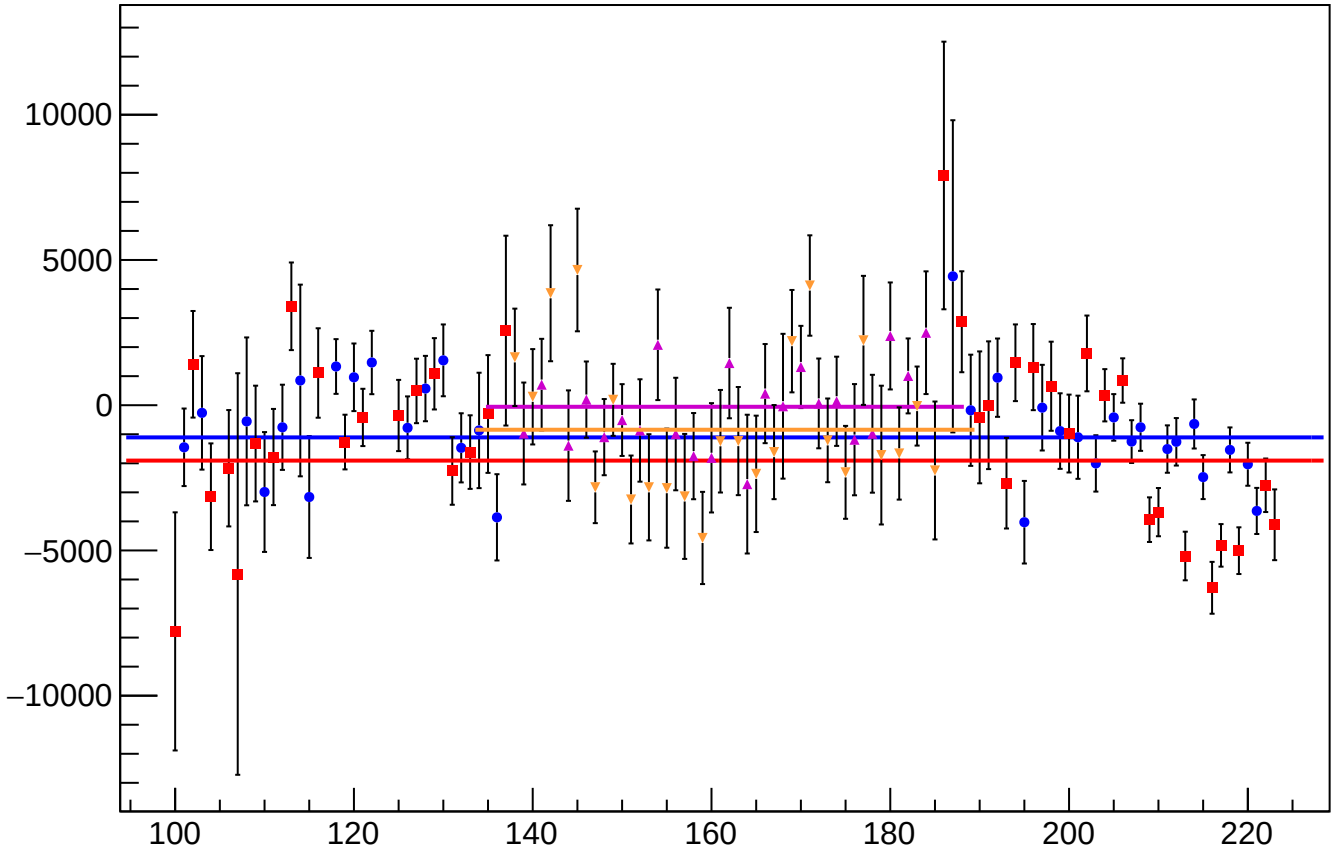
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.660+/-0.122 χ^2/NDF: 24109.3/57

All: 1098.923+/-0.086 χ^2/NDF: 55483.6/118

- sign 1101.179+/-0.121 χ^2/NDF: 30682.7/60

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -1108.008+/-187.378 χ^2/NDF: 54.5/33

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

Right Out: -1906.616+/-195.272 χ^2/NDF: 181.2/37

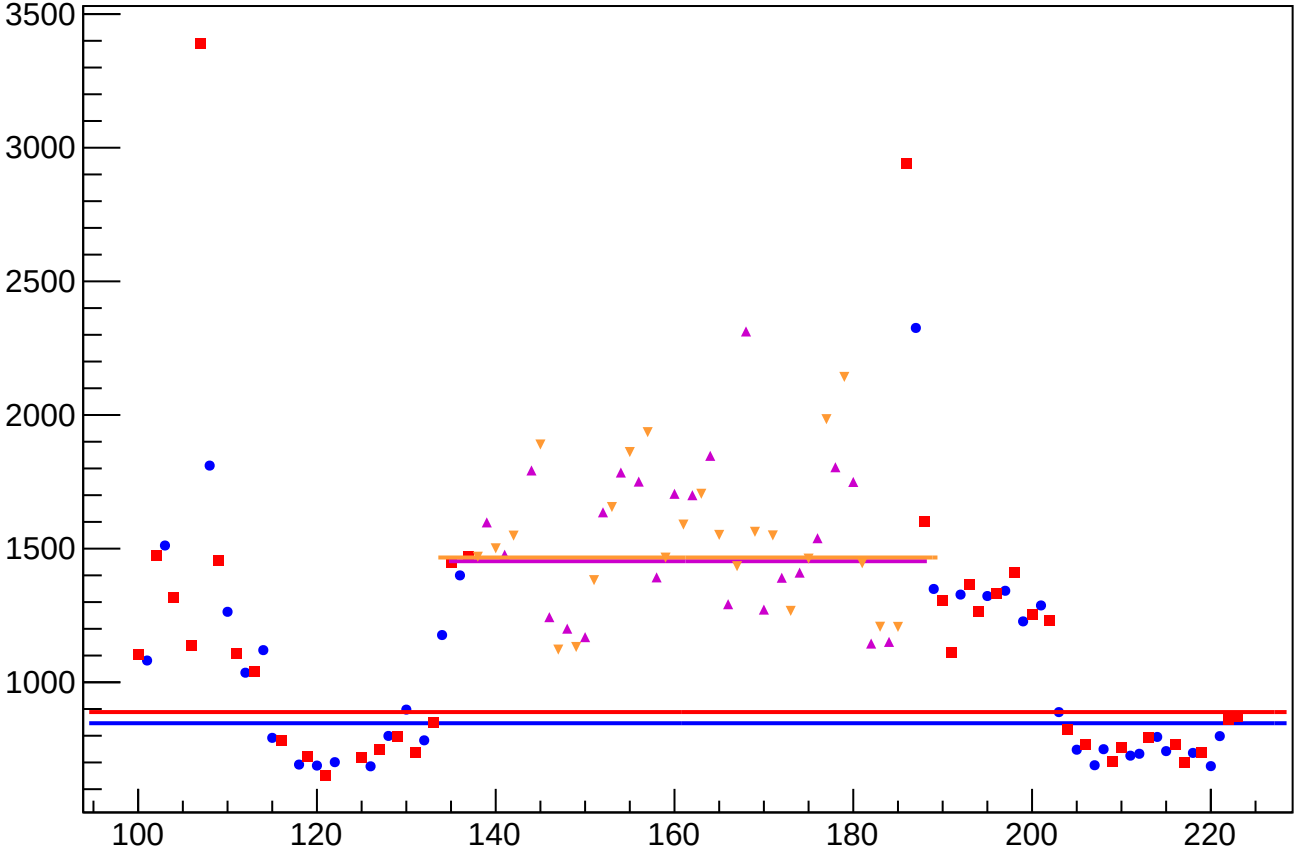
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -1048.643+/-164.912 χ^2/NDF: 99.1/57

All: -1247.567+/-118.387 χ^2/NDF: 318.1/118

- sign -1459.088+/-170.054 χ^2/NDF: 216.0/60

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 846.781+/-0.132 χ^2/NDF: 2943336.5/33

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

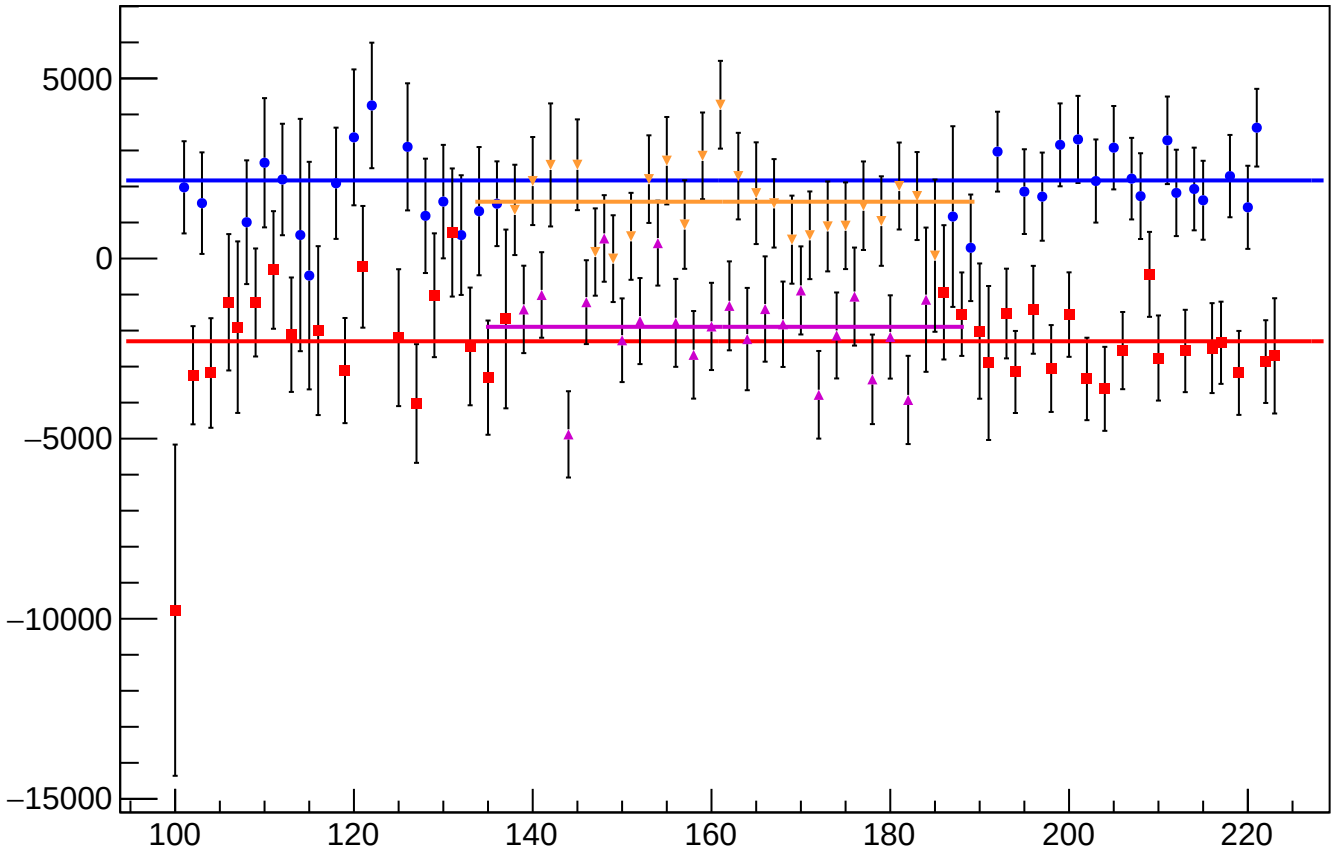
Right Out: 888.526+/-0.138 χ^2/NDF: 3710499.5/37

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

+ sign 986.552+/-0.117 χ^2/NDF: 8923473.0/57

All: 1005.140+/-0.084 χ^2/NDF: 17853600.6/1

- sign 1024.904+/-0.120 χ^2/NDF: 8877702.9/60



Right In: 2168.009+/-232.423 χ^2/NDF: 14.0/33

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

Right Out: -2296.657+/-230.450 χ^2/NDF: 21.7/37

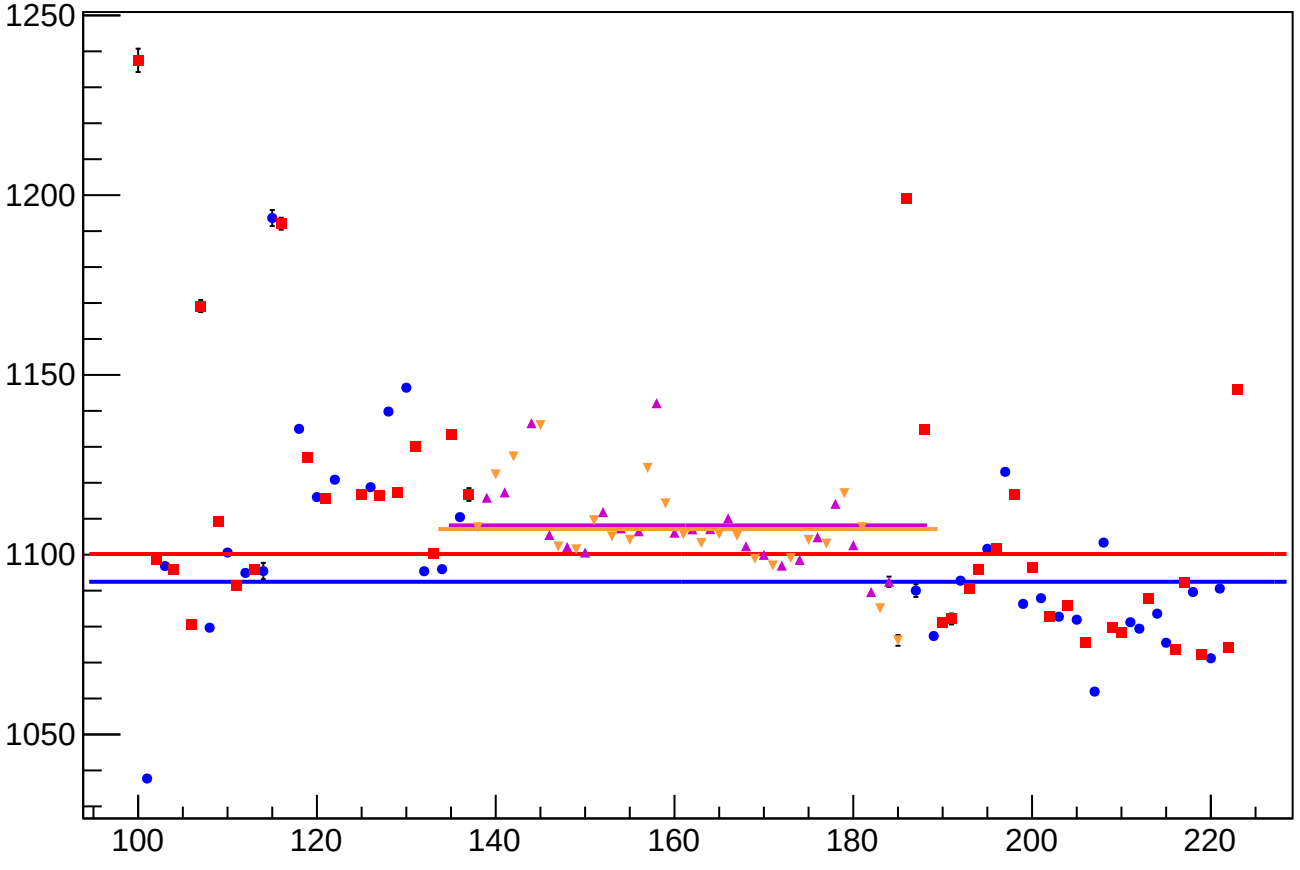
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1902.292+/-172.385 χ^2/NDF: 32.5/57

All: -111.889+/-121.791 χ^2/NDF: 352.2/118

- sign -2119.229+/-172.092 χ^2/NDF: 47.1/60

dit_asym_usl_rms vs Slug



Right In: 1092.468+/-0.164 χ^2/NDF: 18602.0/33

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

Right Out: 1100.189+/-0.163 χ^2/NDF: 26318.1/37

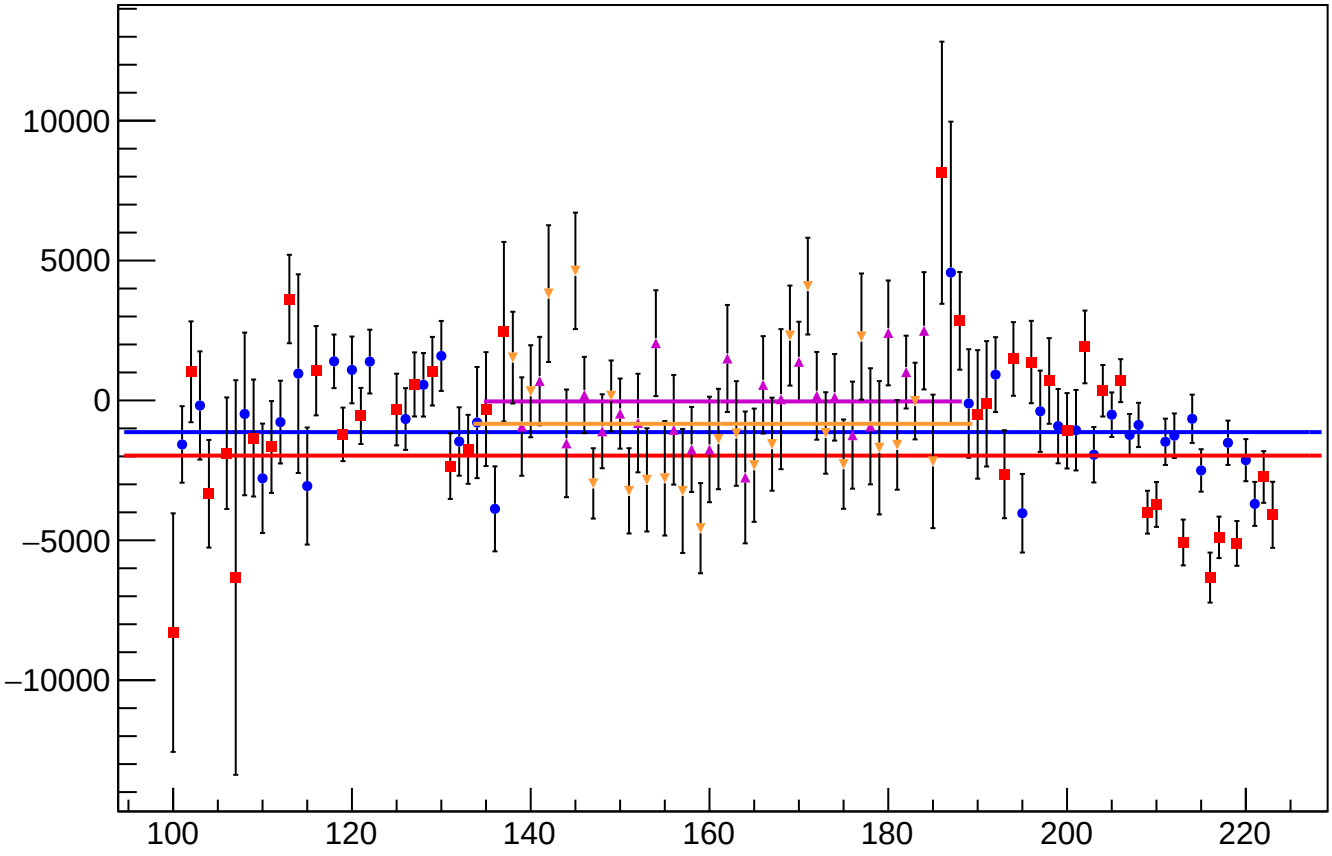
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1099.063+/-0.122 χ^2/NDF: 25964.7/57

All: 1101.390+/-0.086 χ^2/NDF: 58255.3/118

- sign 1103.708+/-0.122 χ^2/NDF: 31563.2/60

asym_usl_dit_correction_mean vs Slug



Right In: -1132.924+/-188.773 χ^2/NDF: 54.3/33

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

Right Out: -1972.009+/-195.859 χ^2/NDF: 181.4/37

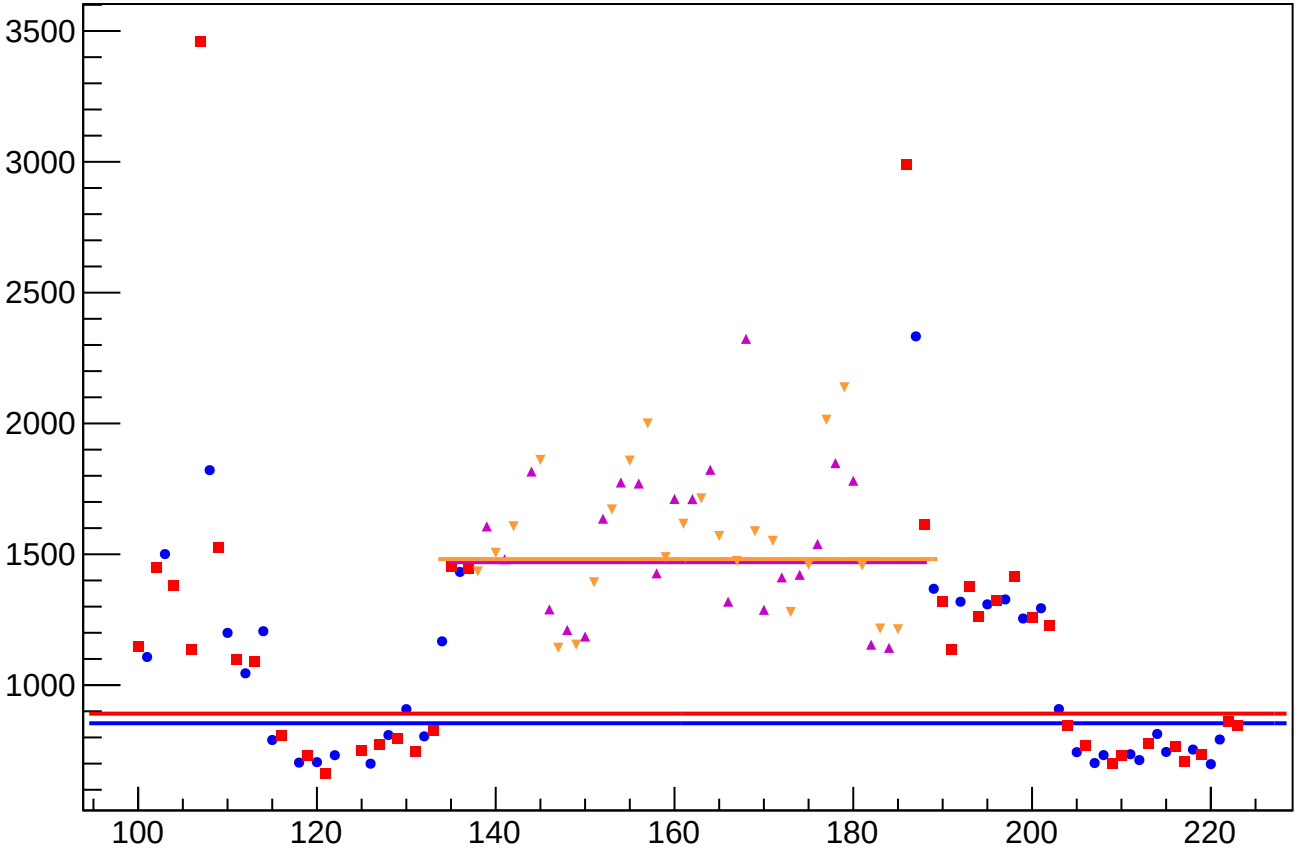
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -1066.035+/-166.213 χ^2/NDF: 98.5/57

All: -1281.624+/-119.145 χ^2/NDF: 319.8/118

- sign -1509.476+/-170.875 χ^2/NDF: 217.8/60

asym_usl_dit_correction_rms vs Slug



Right In: 854.165+/-0.133 χ^2/NDF: 2899226.2/33

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

Right Out: 891.060+/-0.138 χ^2/NDF: 3757081.4/37

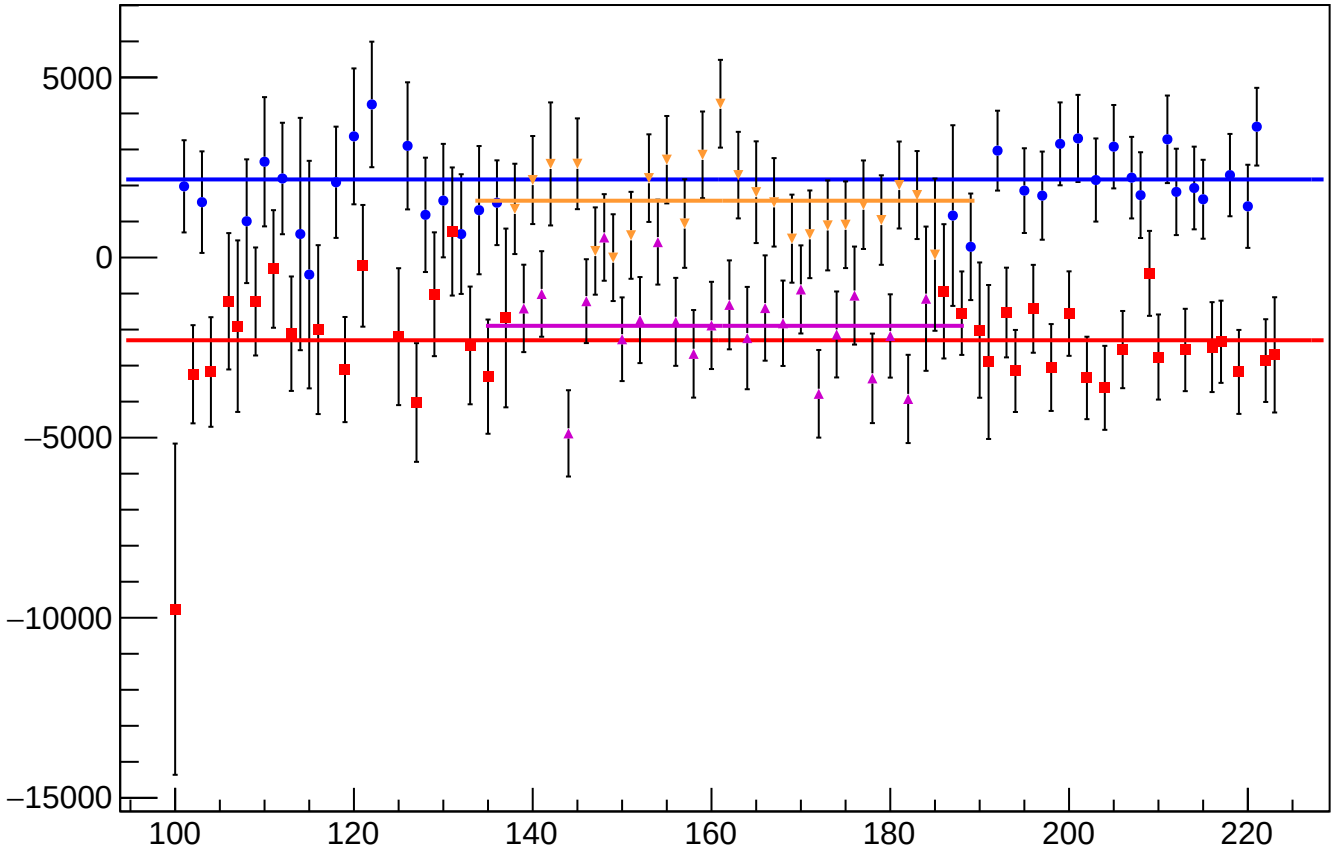
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 995.159+/-0.118 χ^2/NDF: 8881224.1/57

All: 1011.766+/-0.084 χ^2/NDF: 17946927.6/1

- sign 1029.318+/-0.121 χ^2/NDF: 9024635.7/60

eigen_dit_asym_usl_mean vs Slug



Right In: 2168.009+/-232.423 χ^2/NDF: 14.0/33

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

Right Out: -2296.655+/-230.450 χ^2/NDF: 21.7/37

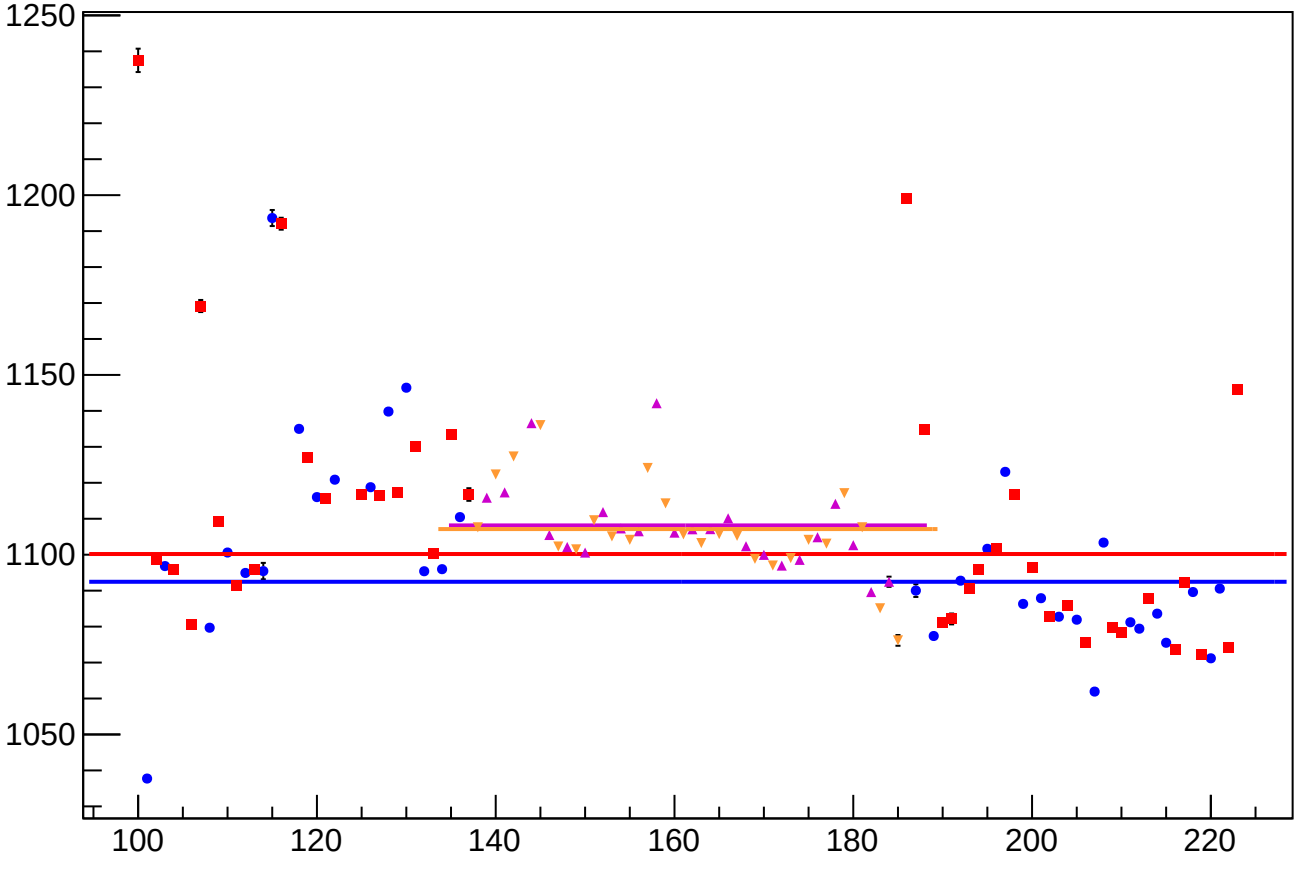
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1902.290+/-172.385 χ^2/NDF: 32.5/57

All: -111.890+/-121.791 χ^2/NDF: 352.2/118

- sign -2119.229+/-172.092 χ^2/NDF: 47.1/60

eigen_dit_asym_usl_rms vs Slug



Right In: 1092.468+/-0.164 χ^2/NDF: 18602.0/33

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

Right Out: 1100.189+/-0.163 χ^2/NDF: 26318.1/37

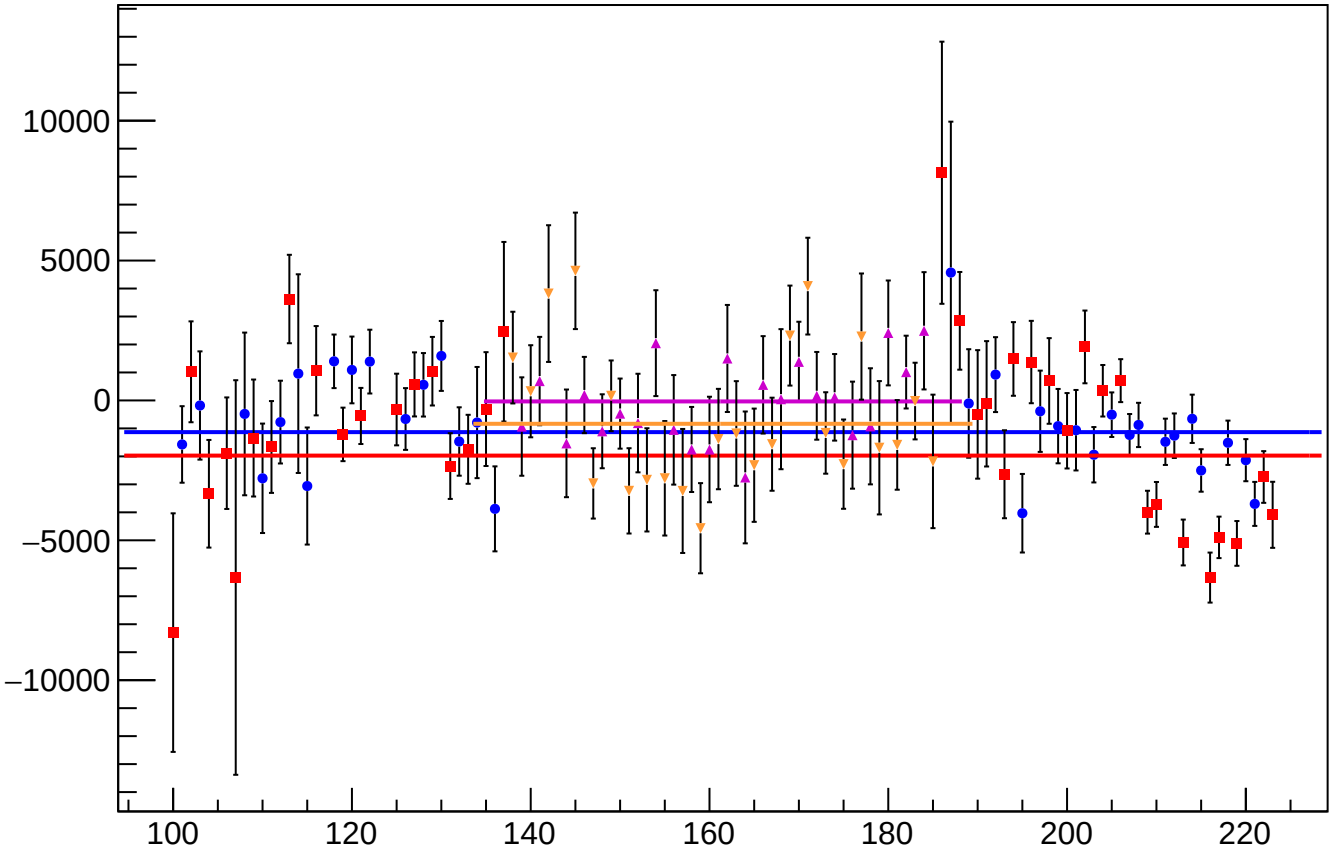
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1099.063+/-0.122 χ^2/NDF: 25964.7/57

All: 1101.390+/-0.086 χ^2/NDF: 58255.2/118

- sign 1103.708+/-0.122 χ^2/NDF: 31563.2/60

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -1132.921+/-188.773 χ^2/NDF: 54.3/33

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

Right Out: -1972.005+/-195.859 χ^2/NDF: 181.4/37

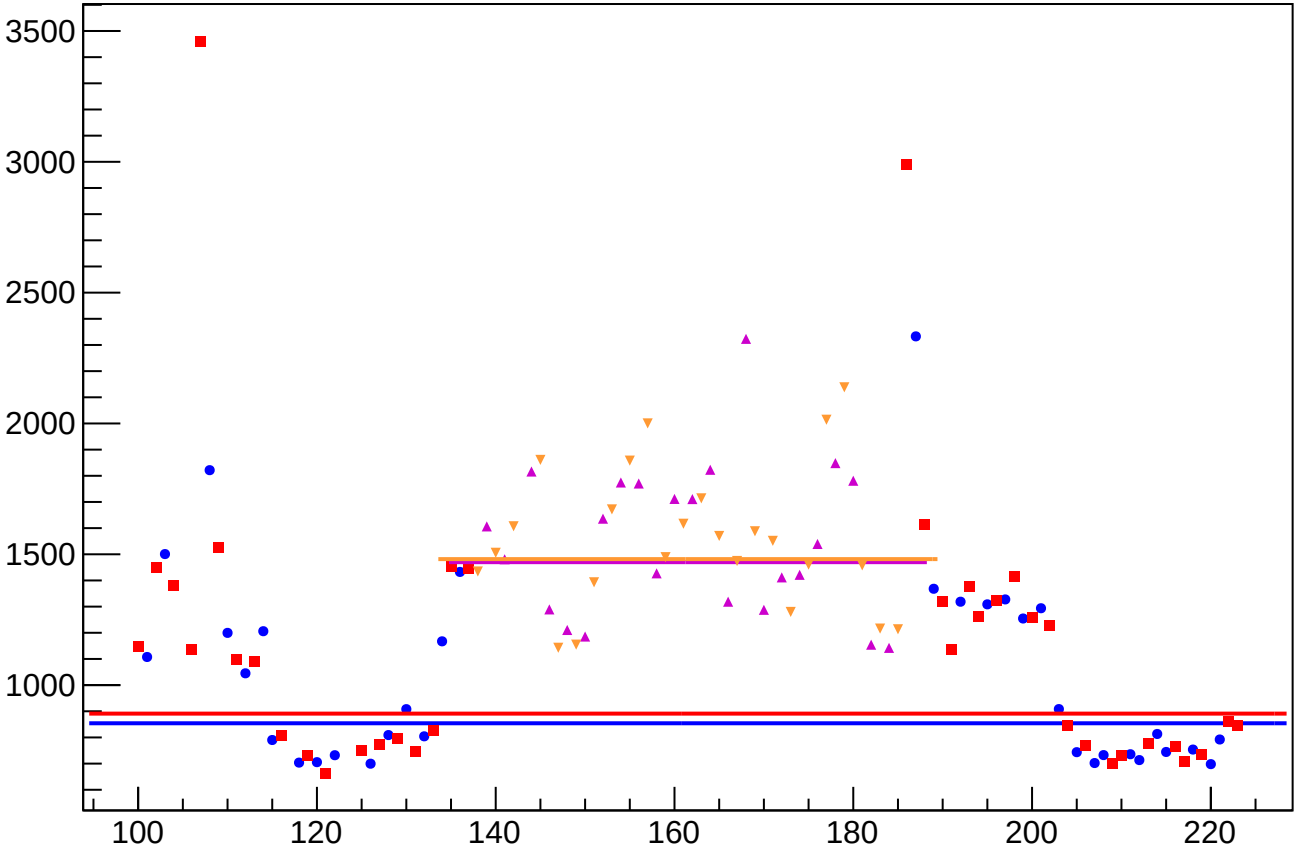
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -1066.034+/-166.213 χ^2/NDF: 98.5/57

All: -1281.622+/-119.145 χ^2/NDF: 319.8/118

- sign -1509.475+/-170.875 χ^2/NDF: 217.8/60

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 854.165+/-0.133 χ^2/NDF: 2899225.2/33

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

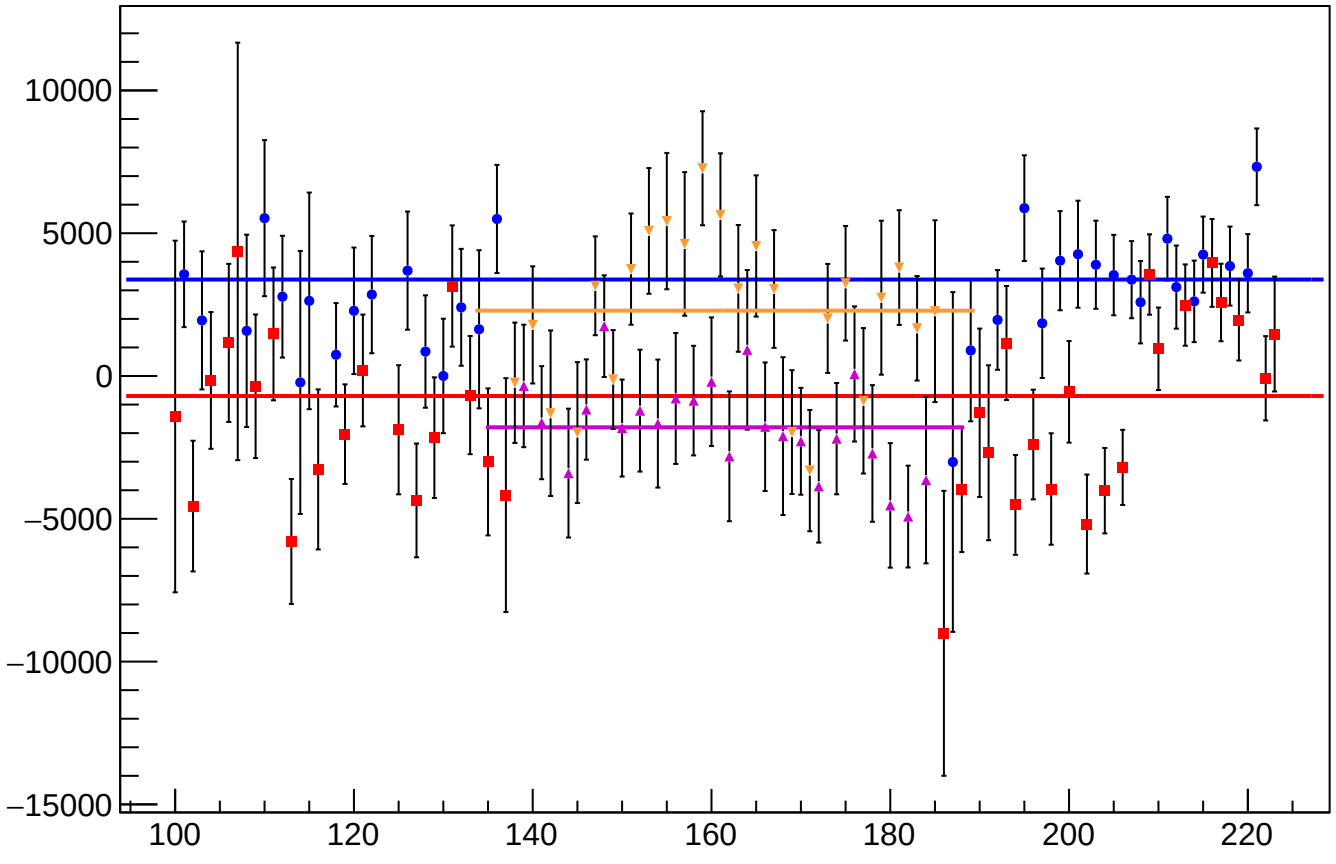
Right Out: 891.059+/-0.138 χ^2/NDF: 3757080.2/37

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

+ sign 995.158+/-0.118 χ^2/NDF: 8881240.7/57

All: 1011.766+/-0.084 χ^2/NDF: 17946960.1/1

- sign 1029.317+/-0.121 χ^2/NDF: 9024651.8/60



Right In: 3378.516+/-309.902 χ^2/NDF: 27.3/33

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

Right Out: -700.604+/-315.342 χ^2/NDF: 86.0/37

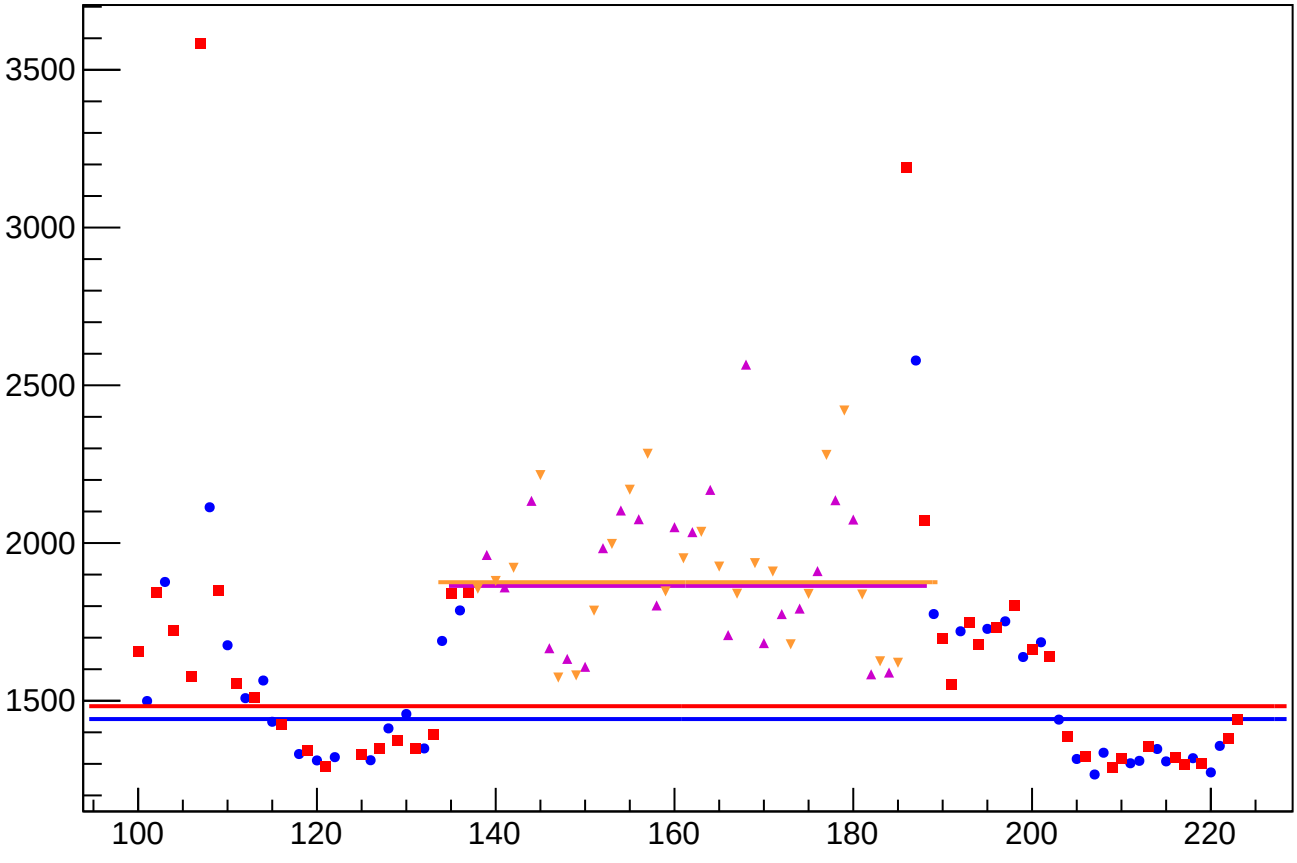
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 3016.747+/-253.238 χ^2/NDF: 67.5/57

All: 995.016+/-180.085 χ^2/NDF: 300.7/118

- sign -1073.380+/-256.143 χ^2/NDF: 104.3/60

asym_usl_rms vs Slug



Right In: 1442.023+/-0.219 χ^2/NDF: 779012.1/33

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

Right Out: 1482.837+/-0.223 χ^2/NDF: 1200975.3/37

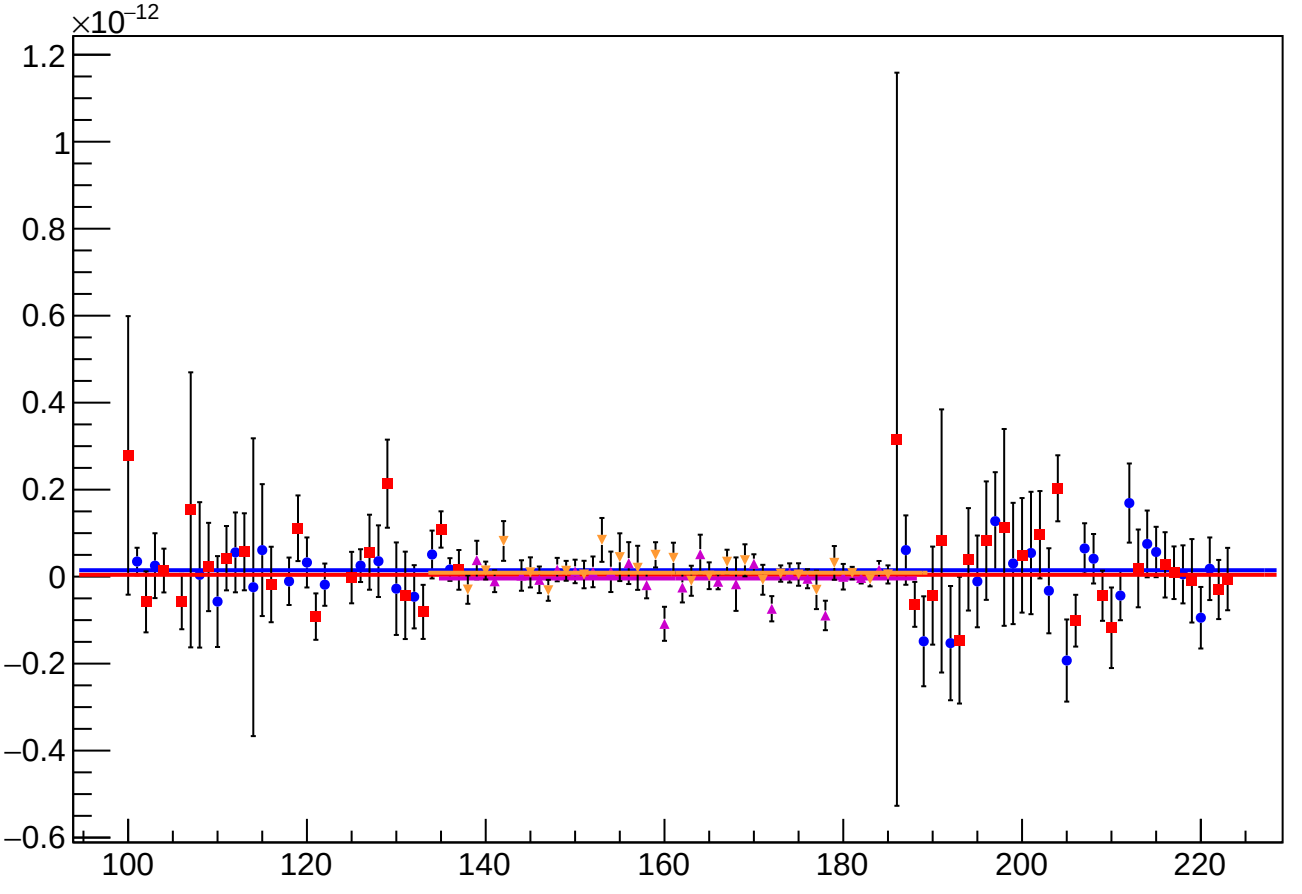
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1586.156+/-0.179 χ^2/NDF: 2553623.3/57

All: 1599.212+/-0.127 χ^2/NDF: 5270926.2/11

- sign 1612.570+/-0.181 χ^2/NDF: 2706547.2/60

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/33

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

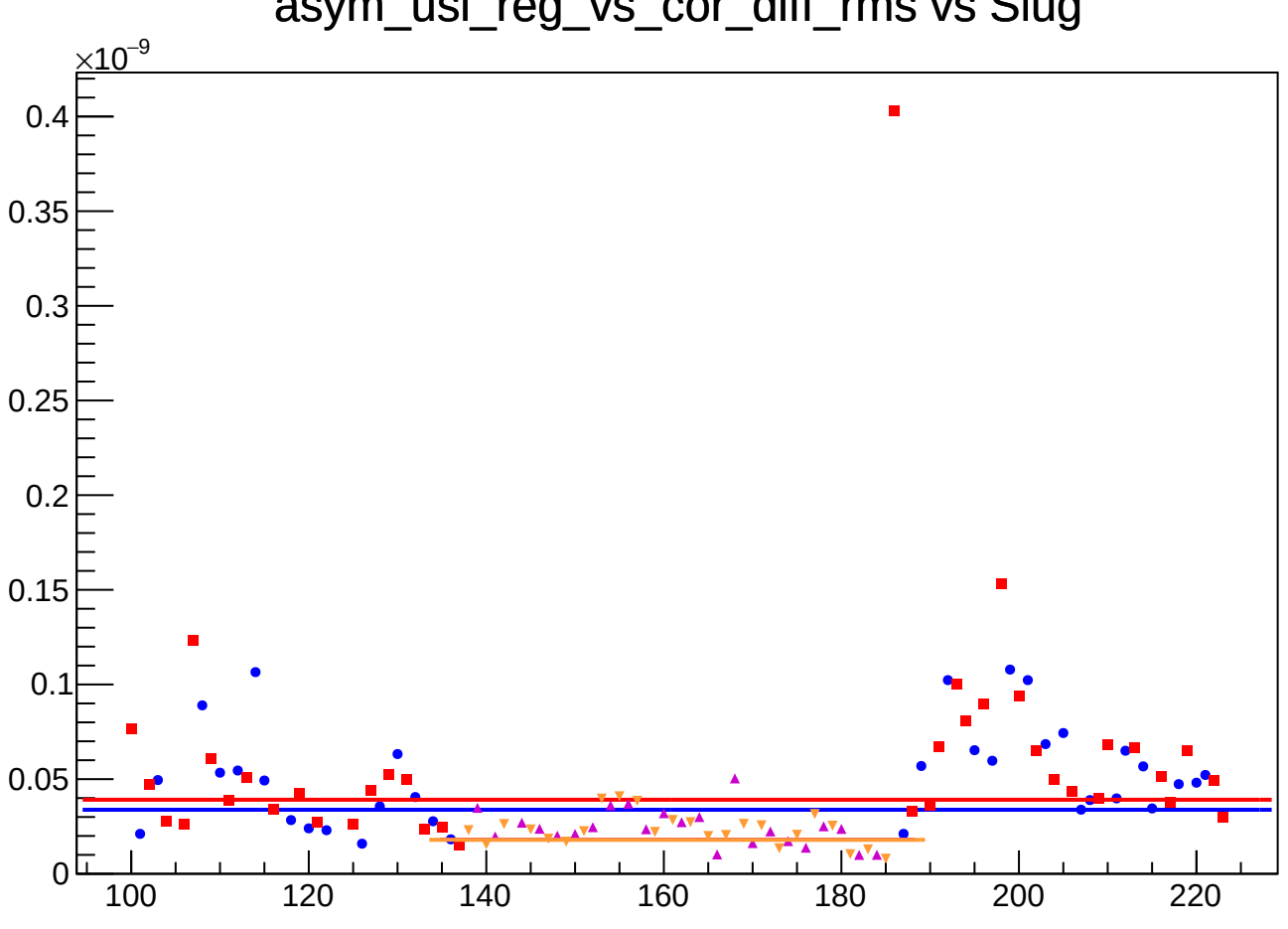
Right Out: 0.000+/-0.000 χ^2/NDF: 39.4/37

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

+ sign 0.000+/-0.000 χ^2/NDF: 39.4/57

All: 0.000+/-0.000 χ^2/NDF: 110.7/118

- sign -0.000+/-0.000 χ^2/NDF: 67.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 5837478.6/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4697106.4/37

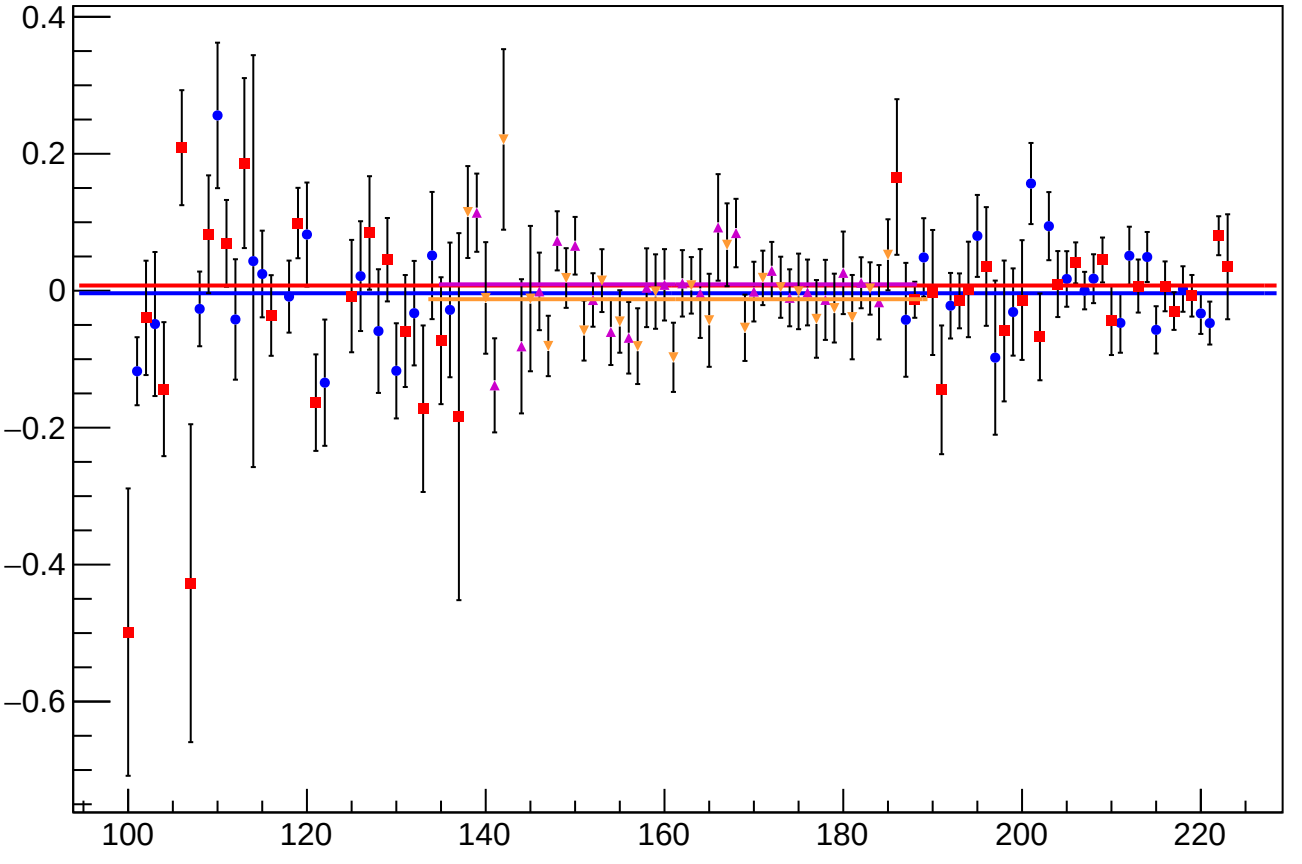
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12710240.1/57

All: 0.000+/-0.000 χ^2/NDF: 26504699.5/118

- sign 0.000+/-0.000 χ^2/NDF: 13786063.6/60

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 44.9/33

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

Right Out: 0.008+/-0.008 χ^2/NDF: 56.3/37

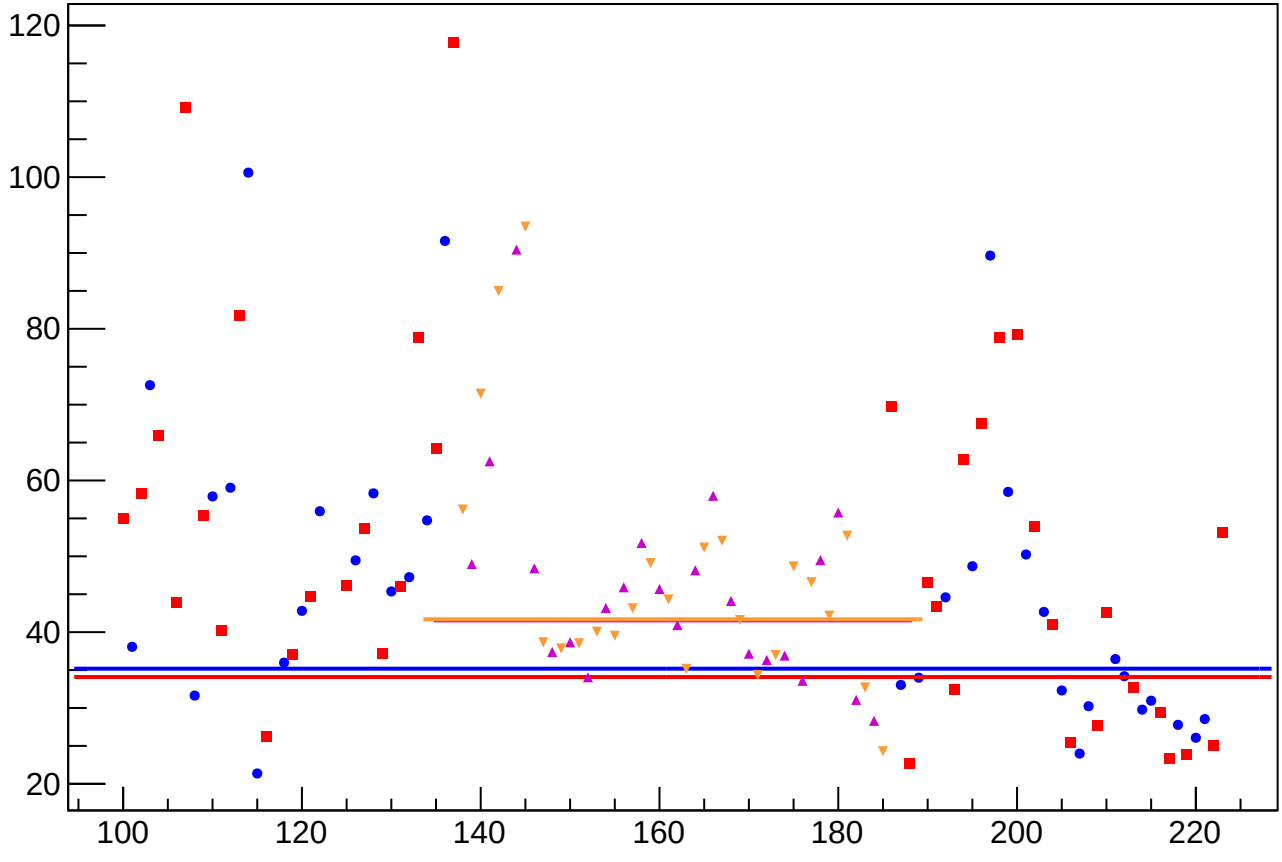
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 67.3/57

All: 0.001+/-0.005 χ^2/NDF: 148.3/118

- sign 0.008+/-0.007 χ^2/NDF: 78.3/60

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 35.184+/-0.006 χ^2/NDF: 3778110.7/33

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

Right Out: 34.083+/-0.006 χ^2/NDF: 5651278.4/37

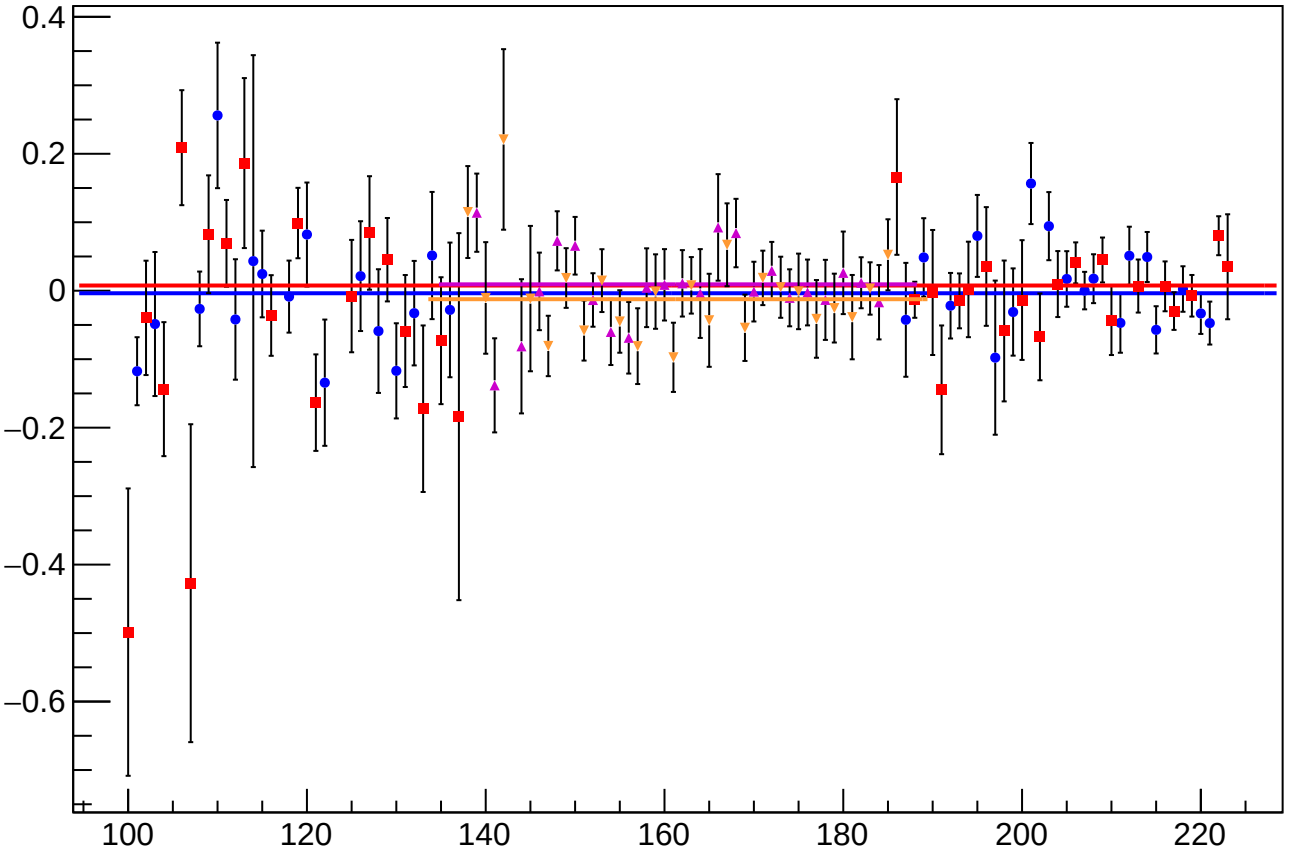
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 37.808+/-0.005 χ^2/NDF: 6059513.0/57

All: 37.416+/-0.003 χ^2/NDF: 13951991.6/118

- sign 37.032+/-0.005 χ^2/NDF: 7878740.9/60

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 44.9/33

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

Right Out: 0.008+/-0.008 χ^2/NDF: 56.3/37

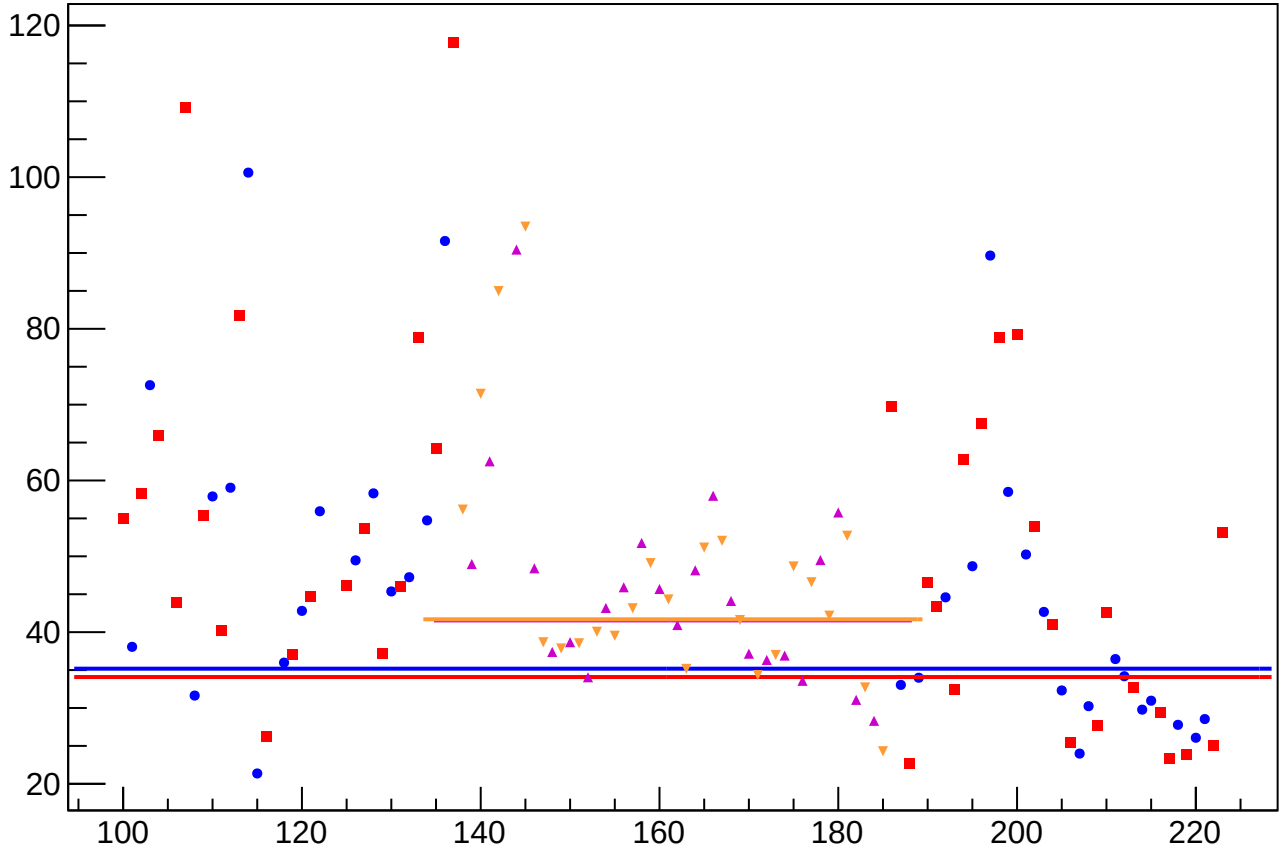
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 67.3/57

All: 0.001+/-0.005 χ^2/NDF: 148.3/118

- sign 0.008+/-0.007 χ^2/NDF: 78.3/60

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.184+/-0.006 χ^2/NDF: 3778110.7/33

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

Right Out: 34.083+/-0.006 χ^2/NDF: 5651278.4/37

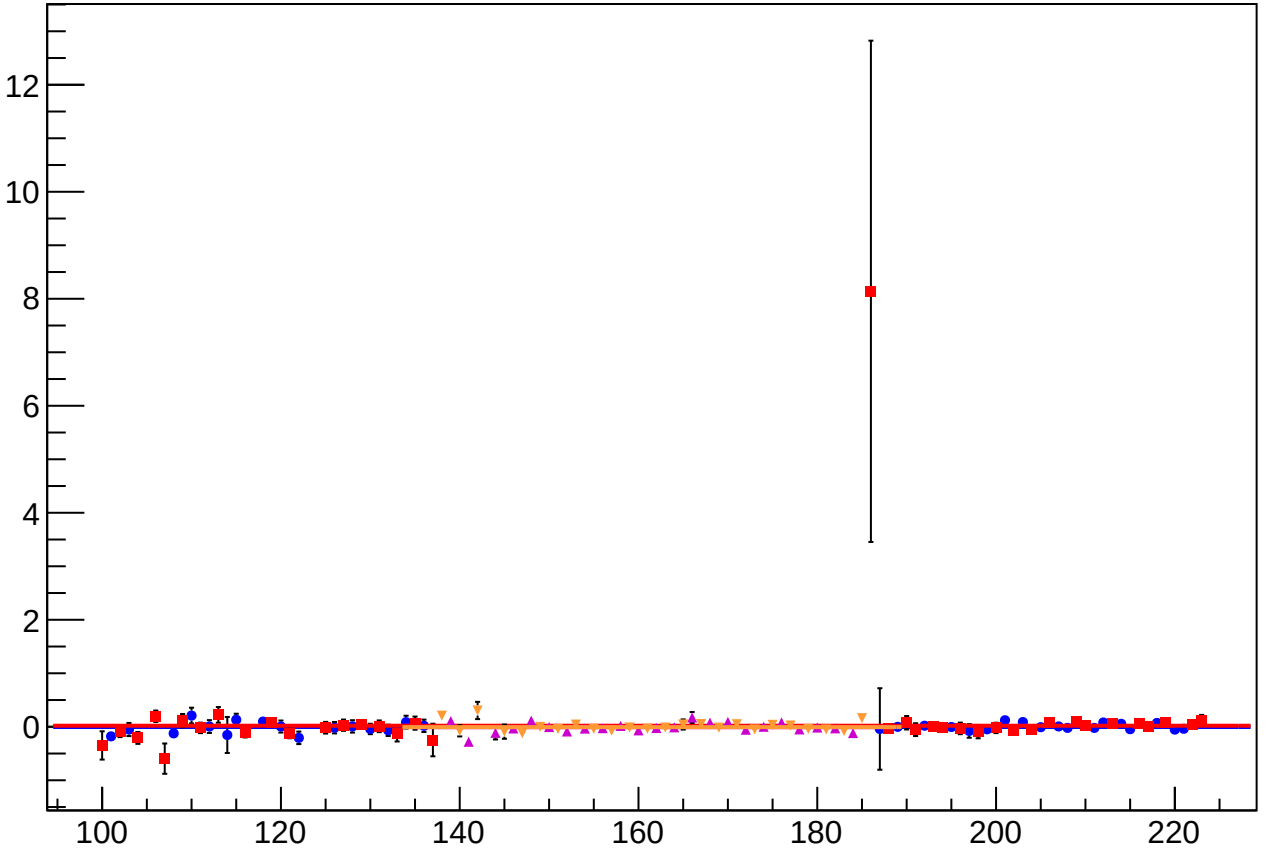
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 37.808+/-0.005 χ^2/NDF: 6059513.0/57

All: 37.416+/-0.003 χ^2/NDF: 13951991.6/118

- sign 37.032+/-0.005 χ^2/NDF: 7878740.9/60

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004+/-0.013 χ^2/NDF: 31.4/33

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.020+/-0.013 χ^2/NDF: 40.8/37

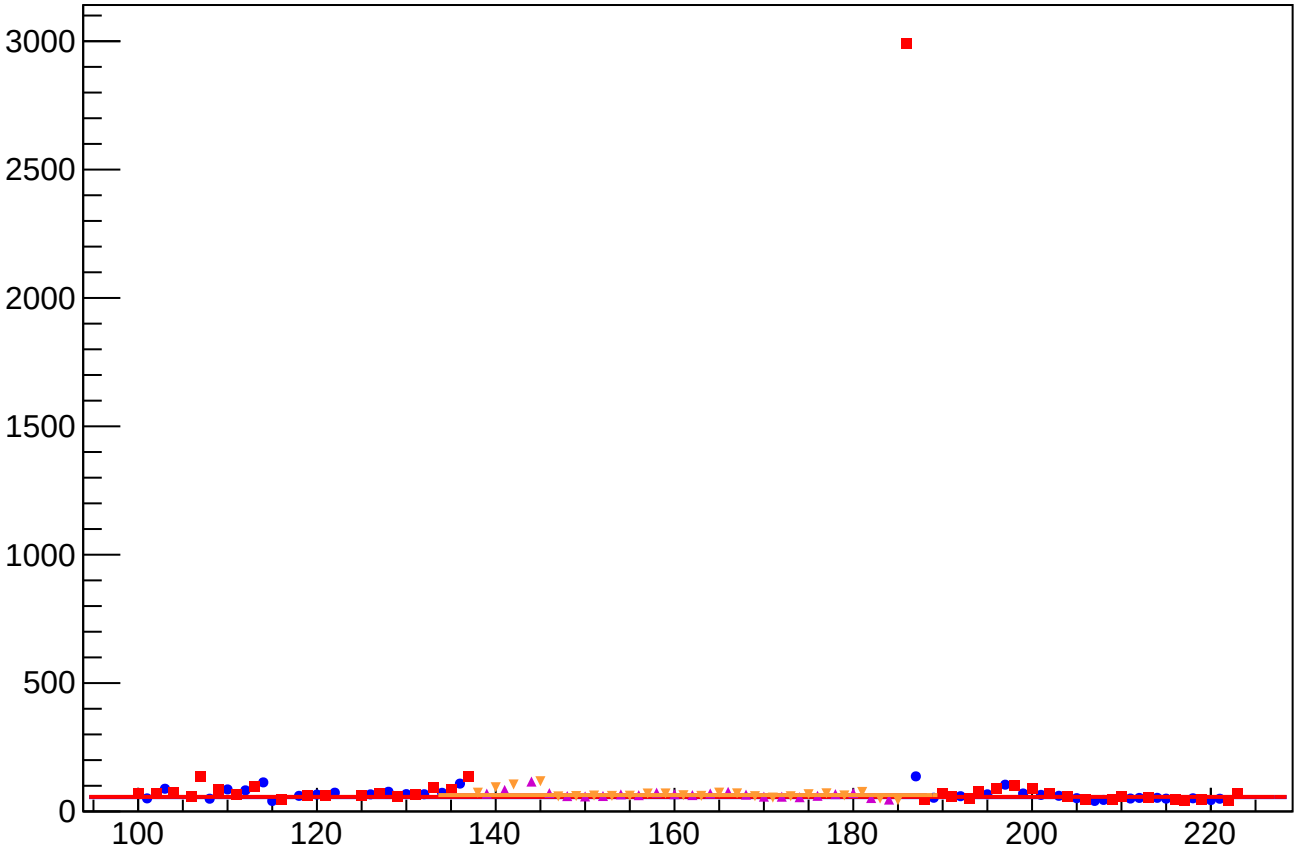
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.005+/-0.010 χ^2/NDF: 55.1/57

All: 0.002+/-0.007 χ^2/NDF: 126.8/118

- sign 0.008+/-0.010 χ^2/NDF: 70.7/60

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 55.732+/-0.009 χ^2/NDF: 2084574.2/33

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 56.746+/-0.009 χ^2/NDF: 3396219.7/37

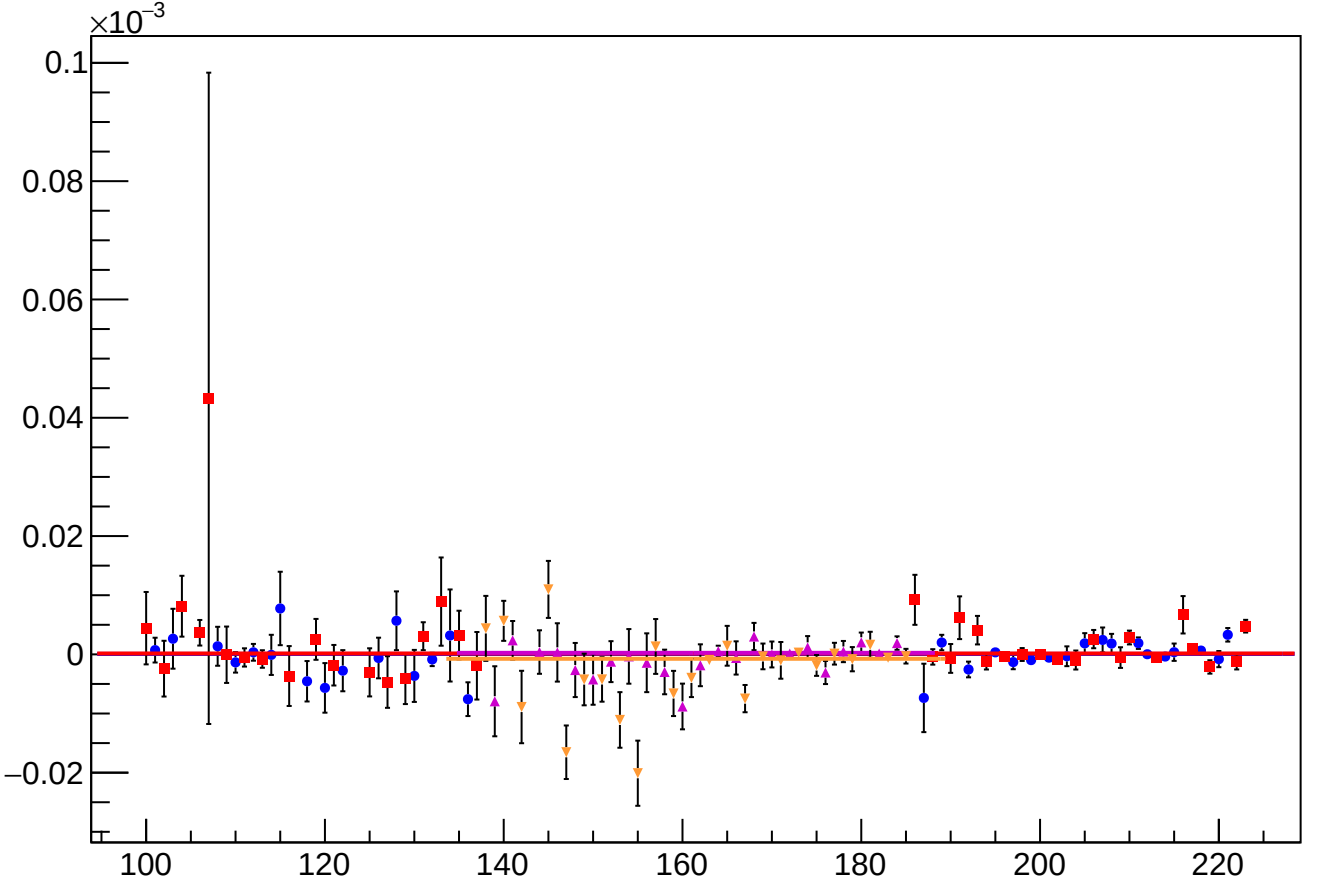
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 59.014+/-0.007 χ^2/NDF: 3486432.0/57

All: 59.377+/-0.005 χ^2/NDF: 7987456.3/118

- sign 59.748+/-0.007 χ^2/NDF: 4495509.7/60

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 50.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

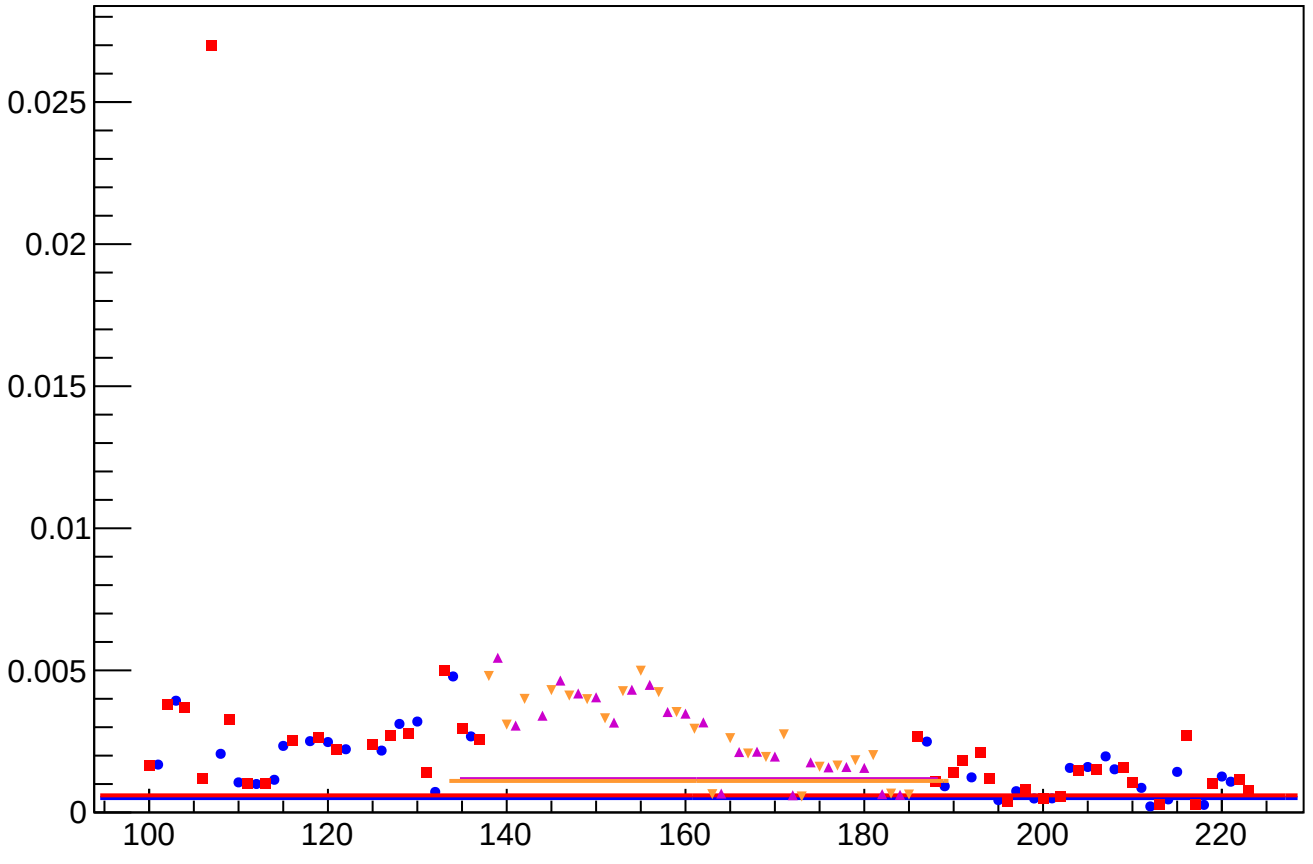
Right Out: 0.000+/-0.000 χ^2/NDF: 75.4/37

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 115.6/57

All: 0.000+/-0.000 χ^2/NDF: 211.1/118

- sign 0.000+/-0.000 χ^2/NDF: 94.3/60



Right In: 0.001+/-0.000 χ^2/NDF: 17849911.6/33

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 17605049.6/37

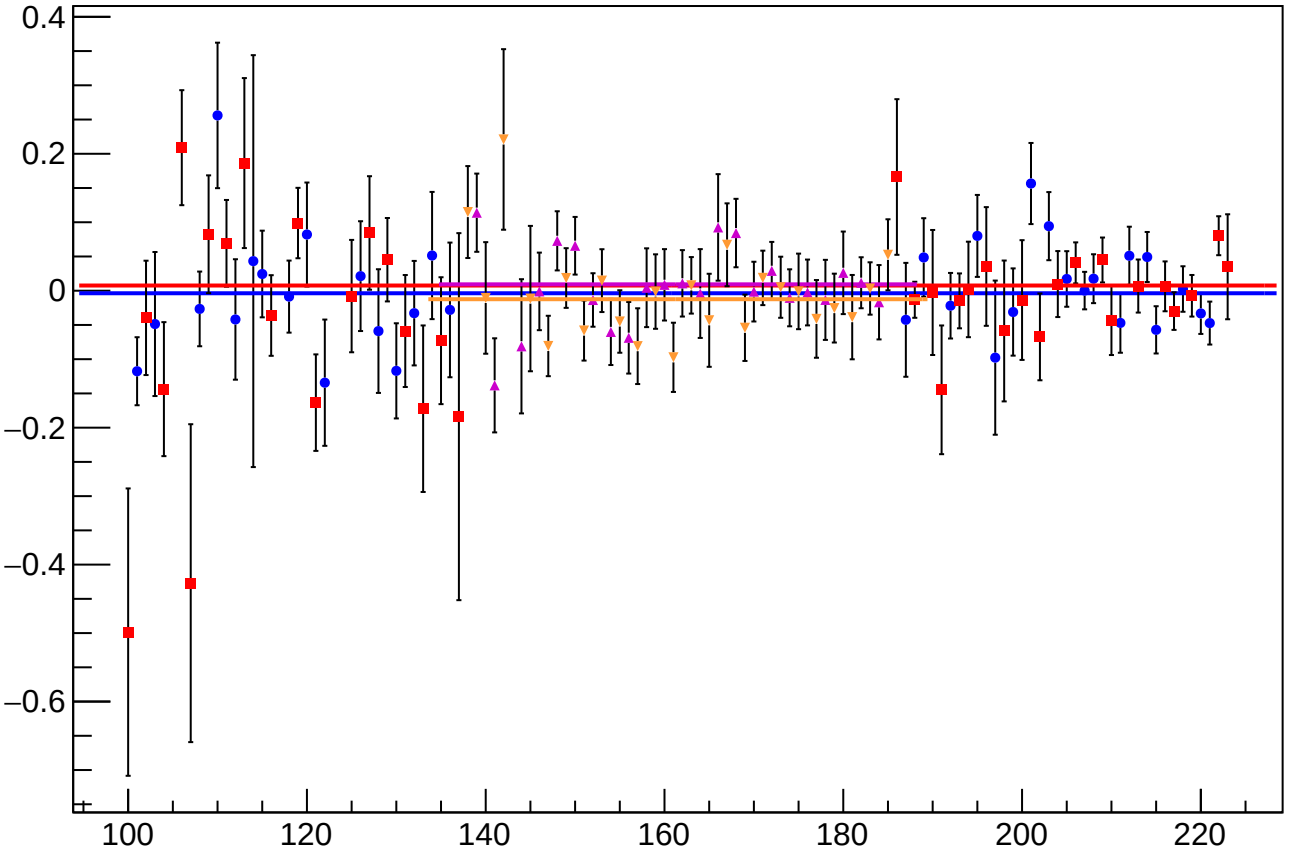
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 38231735.2/57

All: 0.001+/-0.000 χ^2/NDF: 74704248.5/118

- sign 0.001+/-0.000 χ^2/NDF: 35936787.2/60

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 44.9/33

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

Right Out: 0.008+/-0.008 χ^2/NDF: 56.4/37

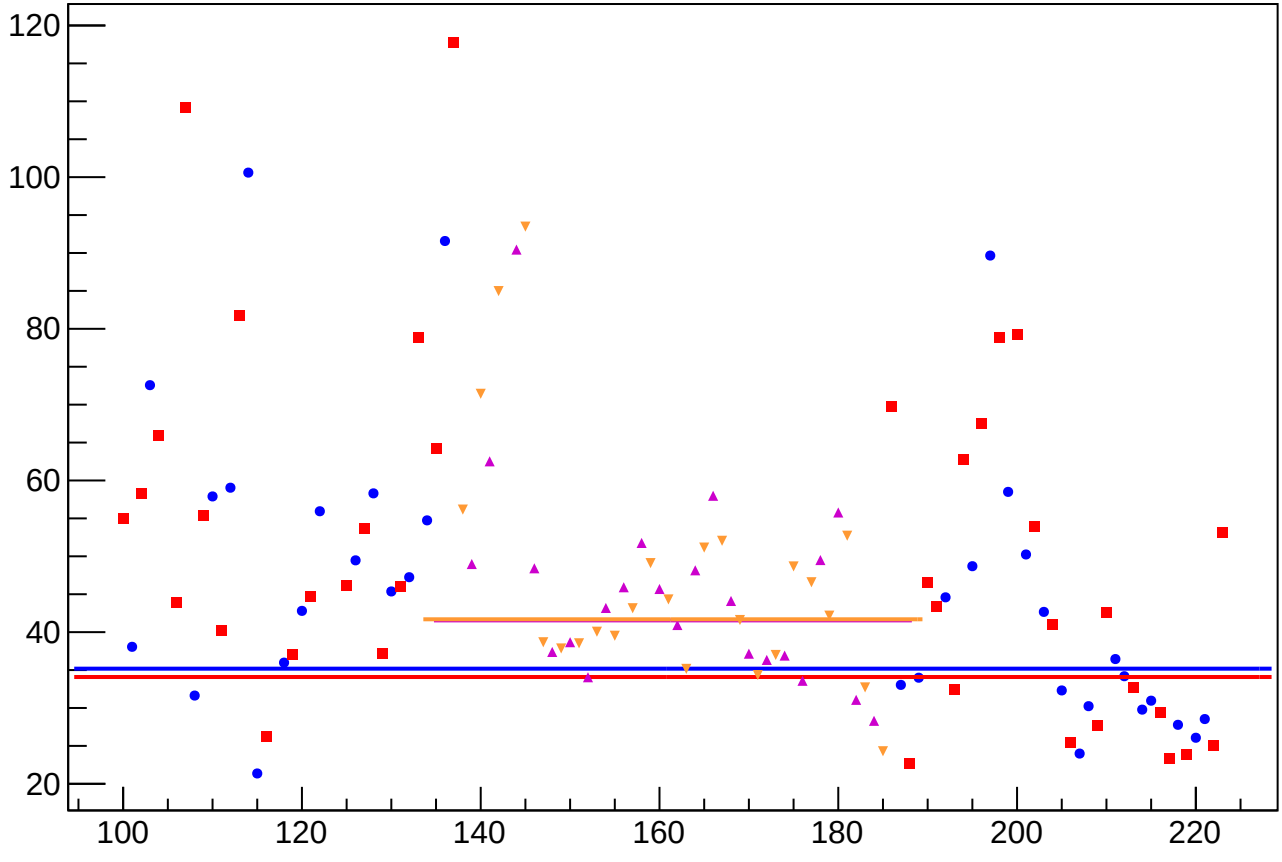
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 67.3/57

All: 0.001+/-0.005 χ^2/NDF: 148.3/118

- sign 0.008+/-0.007 χ^2/NDF: 78.3/60

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.184+/-0.006 χ^2/NDF: 3778081.2/33

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

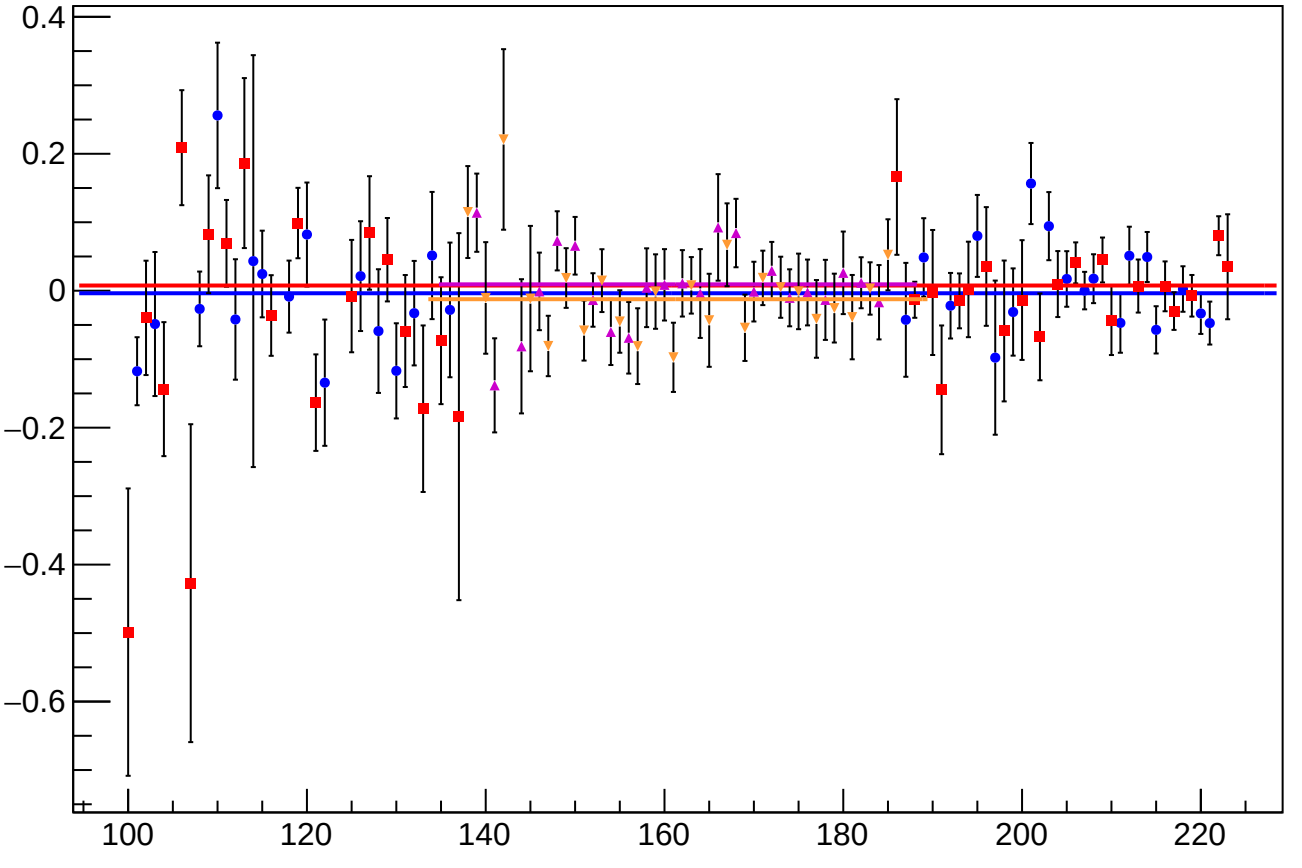
Right Out: 34.083+/-0.006 χ^2/NDF: 5651108.5/37

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 37.808+/-0.005 χ^2/NDF: 6059484.1/57

All: 37.416+/-0.003 χ^2/NDF: 13951771.8/118

- sign 37.032+/-0.005 χ^2/NDF: 7878557.4/60



Right In: -0.004+/-0.009 χ^2/NDF: 44.9/33

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

Right Out: 0.008+/-0.008 χ^2/NDF: 56.4/37

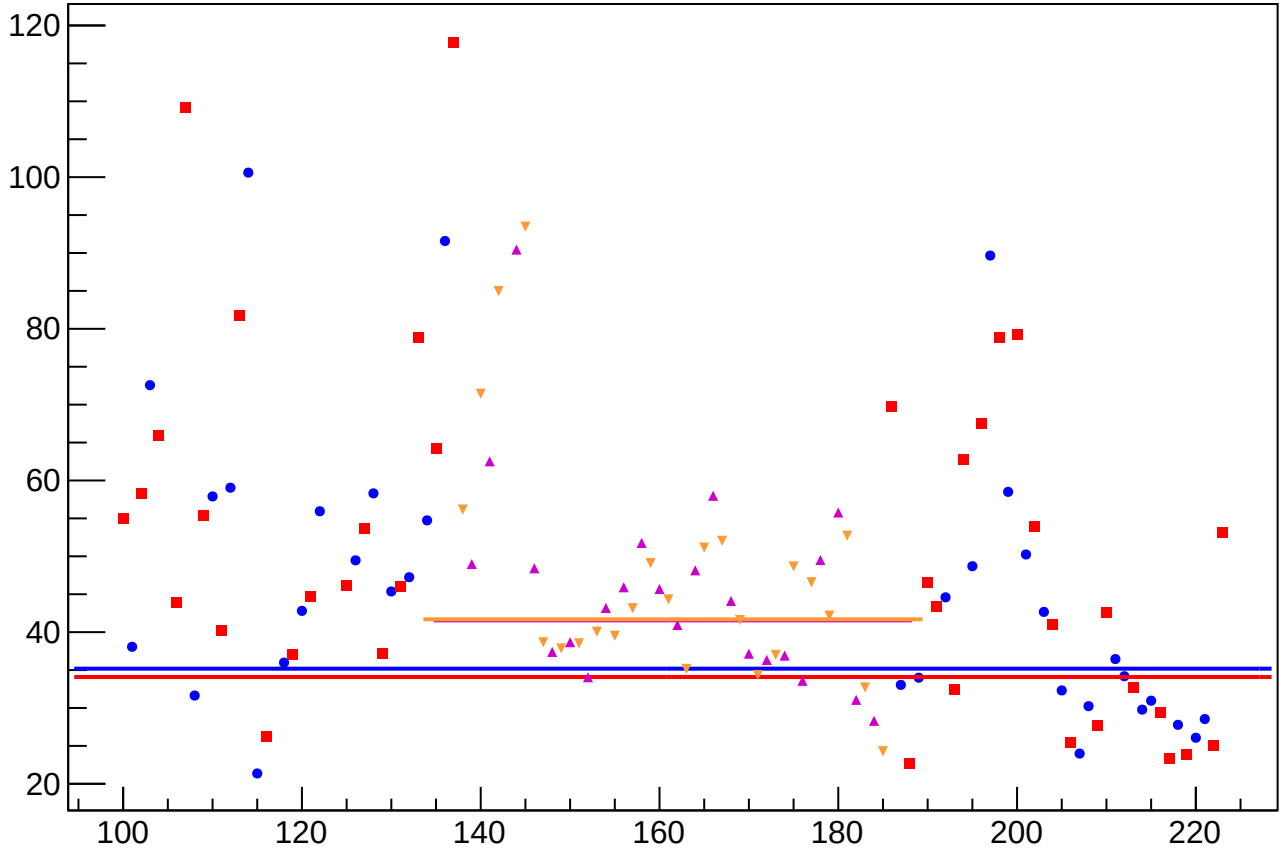
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 67.3/57

All: 0.001+/-0.005 χ^2/NDF: 148.3/118

- sign 0.008+/-0.007 χ^2/NDF: 78.3/60

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.184+/-0.006 χ^2/NDF: 3778081.2/33

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 34.083+/-0.006 χ^2/NDF: 5651108.5/37

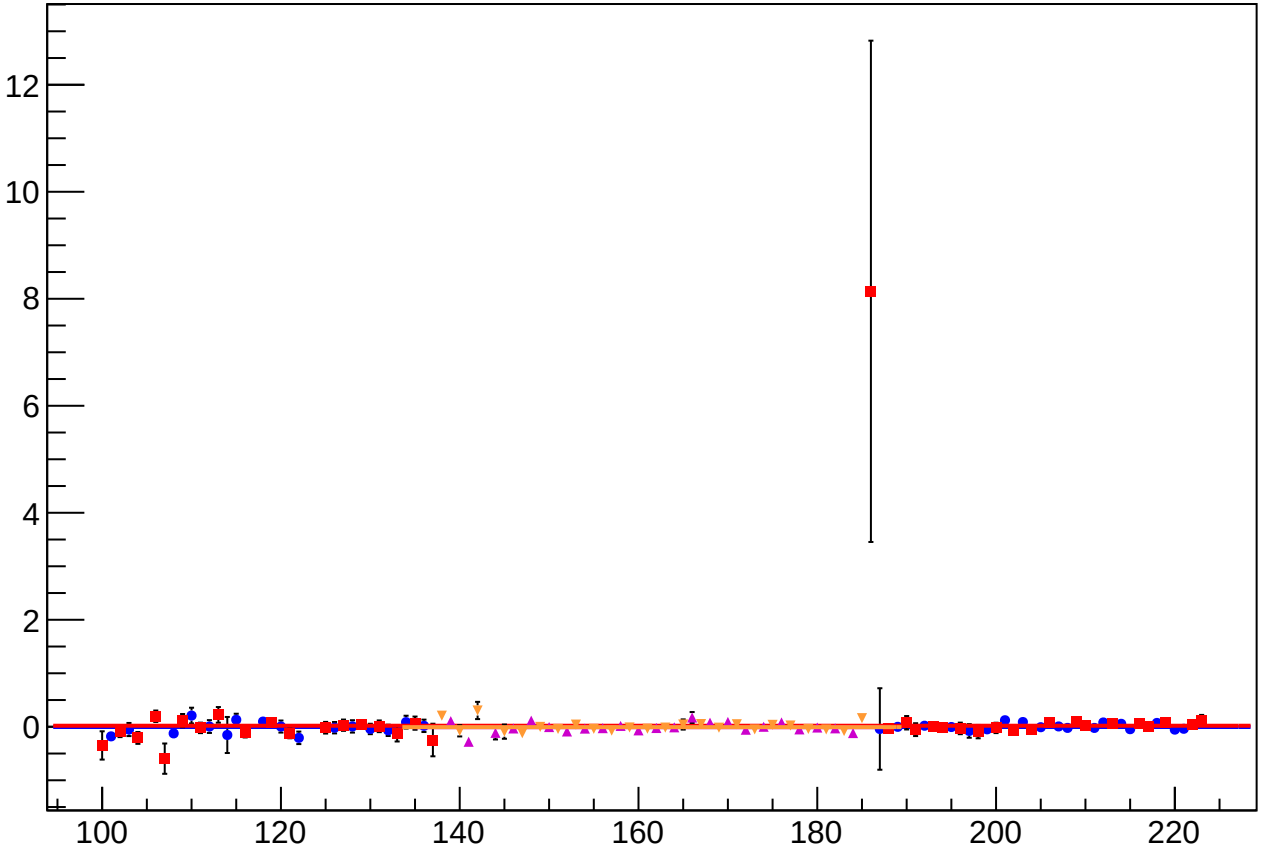
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 37.808+/-0.005 χ^2/NDF: 6059484.1/57

All: 37.416+/-0.003 χ^2/NDF: 13951771.8/118

- sign 37.032+/-0.005 χ^2/NDF: 7878557.4/60

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004+/-0.013 χ^2/NDF: 31.4/33

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.020+/-0.013 χ^2/NDF: 40.8/37

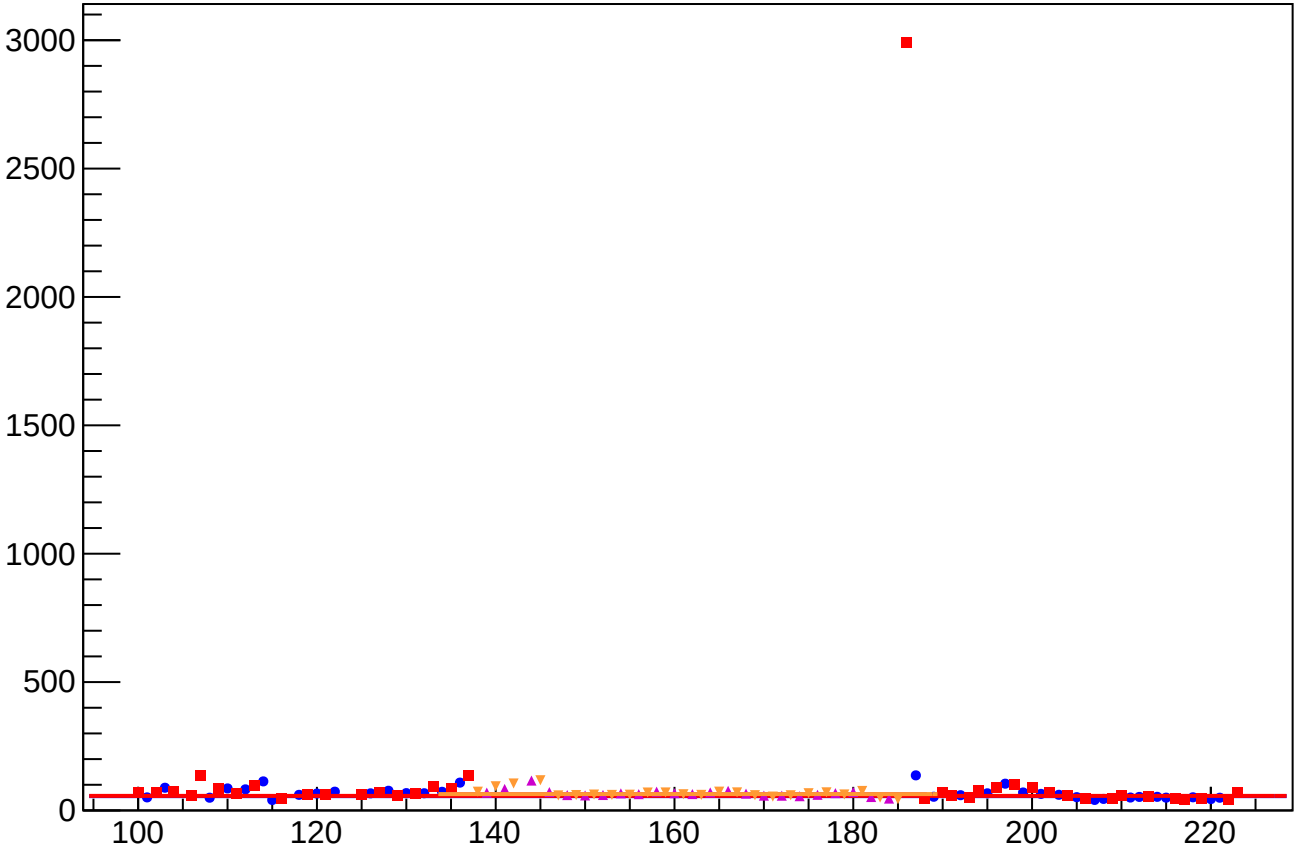
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.005+/-0.010 χ^2/NDF: 55.1/57

All: 0.002+/-0.007 χ^2/NDF: 126.8/118

- sign 0.008+/-0.010 χ^2/NDF: 70.7/60

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 55.732+/-0.009 χ^2/NDF: 2084564.9/33

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 56.746+/-0.009 χ^2/NDF: 3396193.2/37

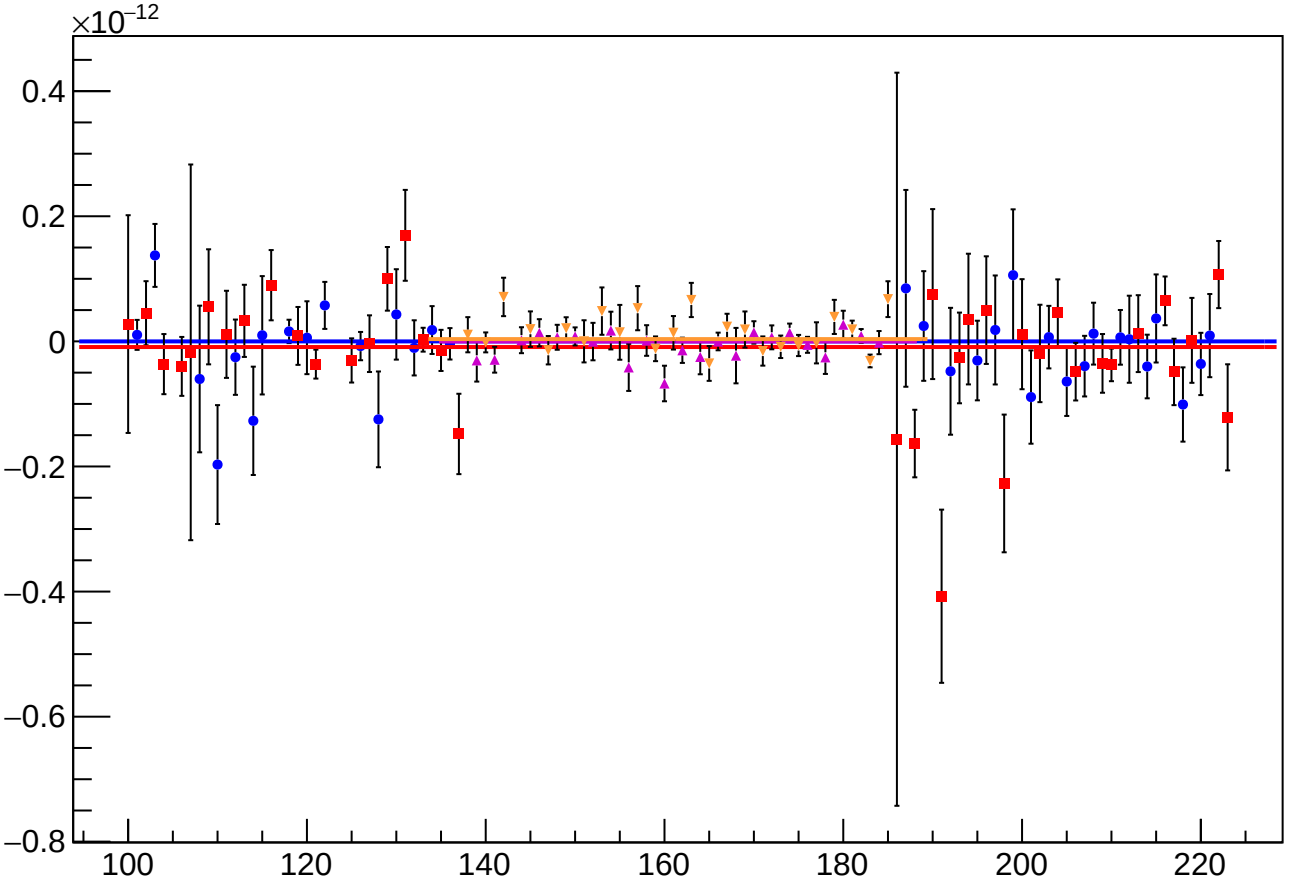
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 59.014+/-0.007 χ^2/NDF: 3486427.4/57

All: 59.377+/-0.005 χ^2/NDF: 7987443.9/118

- sign 59.748+/-0.007 χ^2/NDF: 4495502.1/60

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 30.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 59.3/37

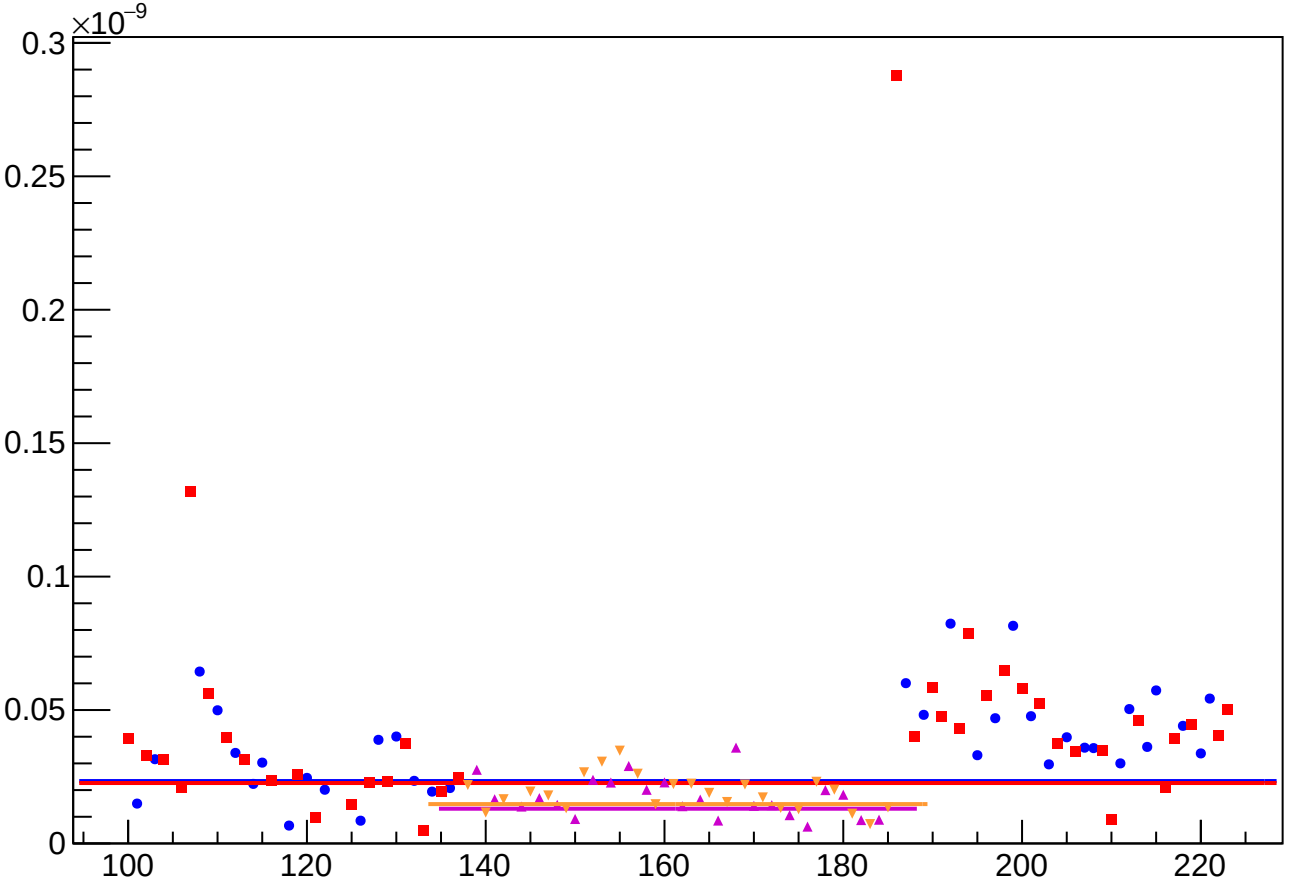
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.6/57

All: 0.000+/-0.000 χ^2/NDF: 149.9/118

- sign -0.000+/-0.000 χ^2/NDF: 77.5/60

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7607017.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

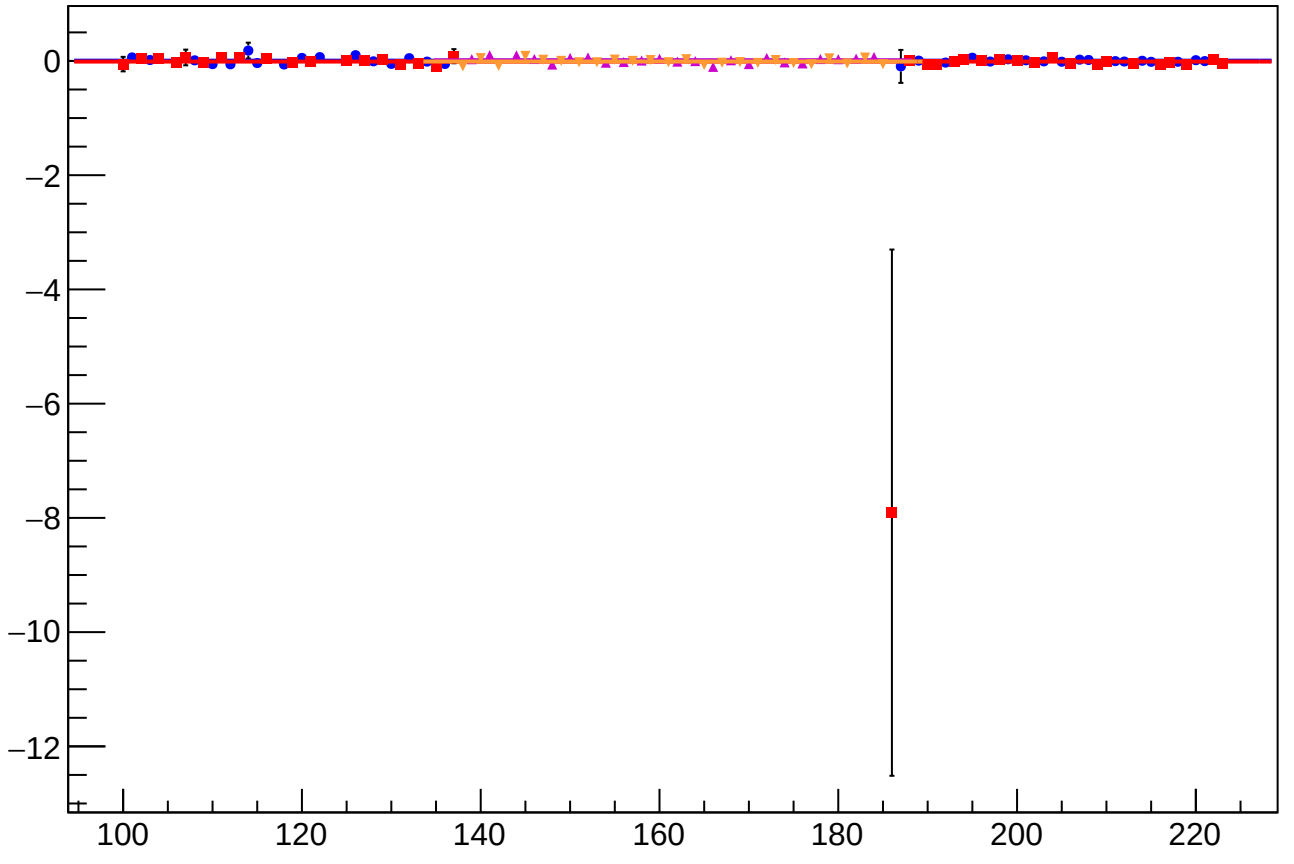
Right Out: 0.000+/-0.000 χ^2/NDF: 8290202.1/37

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 13008970.8/57

All: 0.000+/-0.000 χ^2/NDF: 27847905.9/118

- sign 0.000+/-0.000 χ^2/NDF: 14608289.5/60



Right In: 0.005+/-0.007 χ^2/NDF: 20.9/33

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.011+/-0.007 χ^2/NDF: 37.5/37

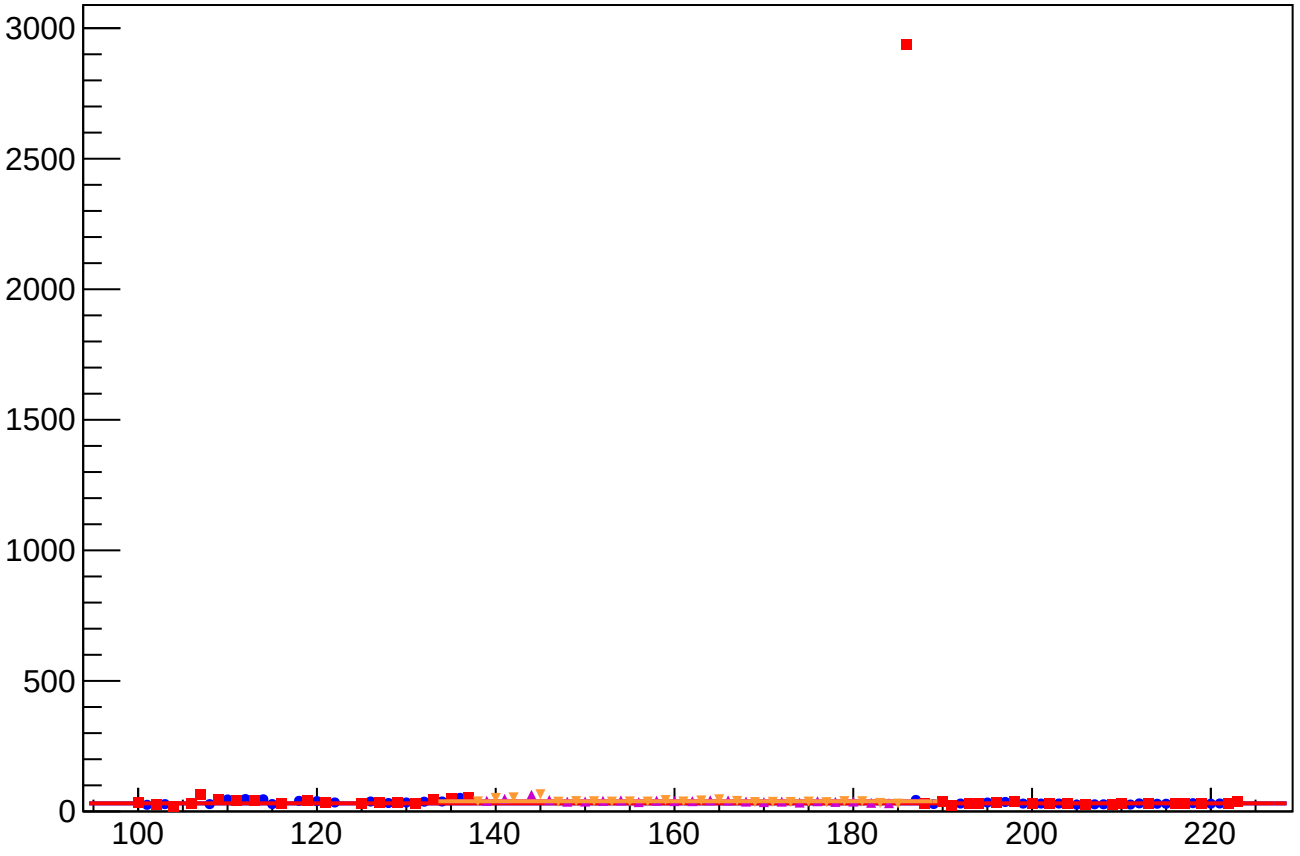
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.006 χ^2/NDF: 41.9/57

All: -0.002+/-0.004 χ^2/NDF: 106.3/118

- sign -0.003+/-0.006 χ^2/NDF: 64.3/60

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.869+/-0.005 χ^2/NDF: 975721.5/33

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

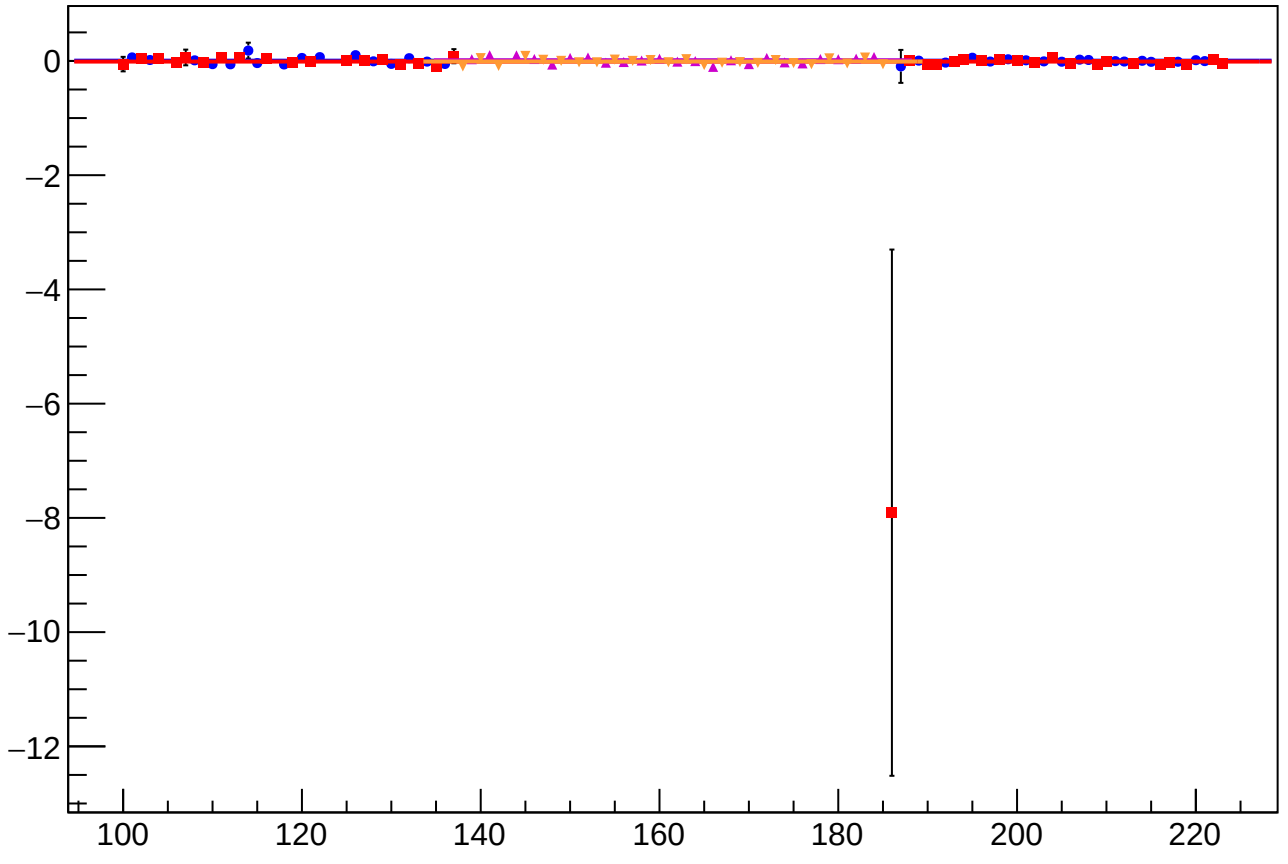
Right Out: 31.134+/-0.005 χ^2/NDF: 2067859.8/37

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

\+ sign 33.728+/-0.004 χ^2/NDF: 2549090.3/57

All: 33.832+/-0.003 χ^2/NDF: 6063065.5/118

\- sign 33.936+/-0.004 χ^2/NDF: 3512609.5/60



Right In: 0.005+/-0.007 χ^2/NDF: 20.9/33

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.011+/-0.007 χ^2/NDF: 37.5/37

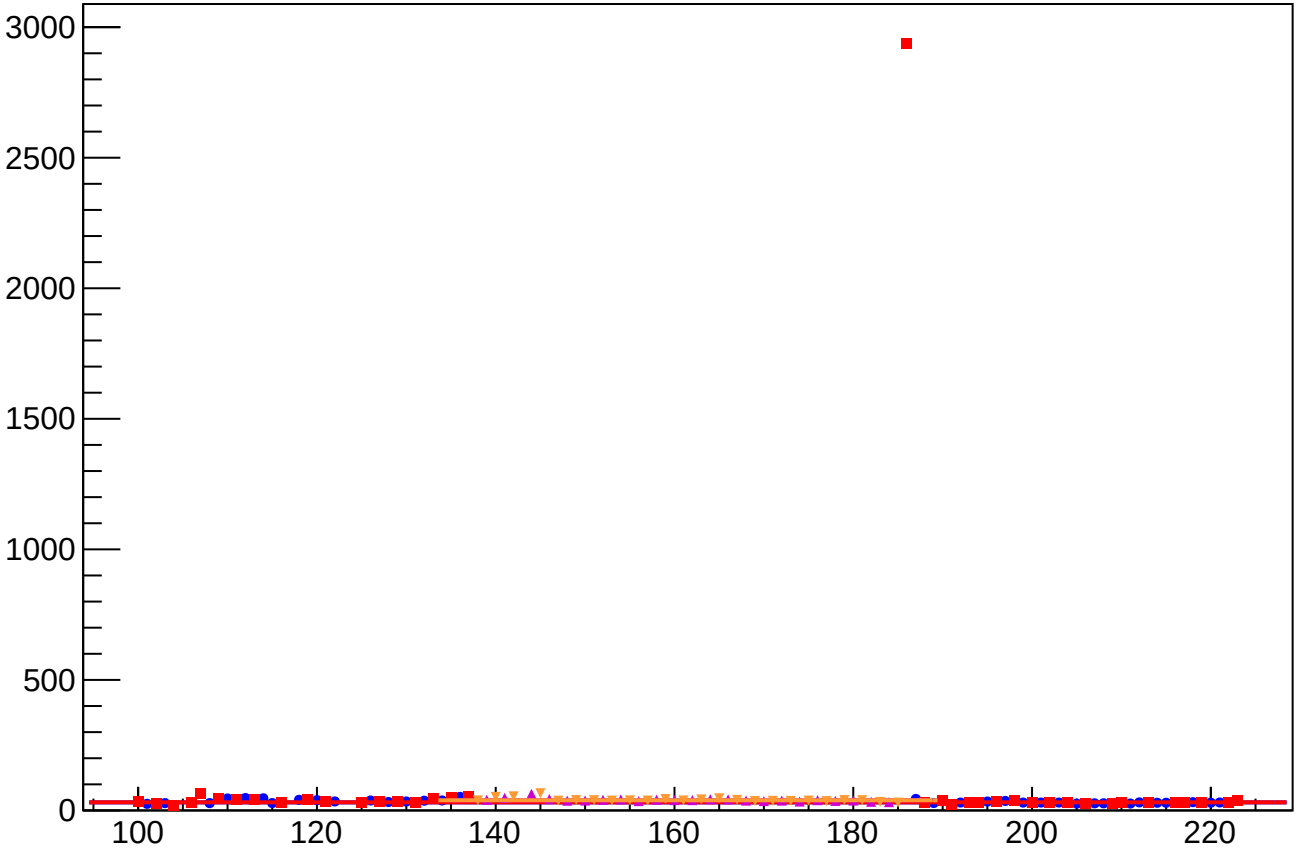
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.006 χ^2/NDF: 41.9/57

All: -0.002+/-0.004 χ^2/NDF: 106.3/118

- sign -0.003+/-0.006 χ^2/NDF: 64.3/60

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 30.869+/-0.005 χ^2/NDF: 975721.5/33

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.134+/-0.005 χ^2/NDF: 2067859.8/37

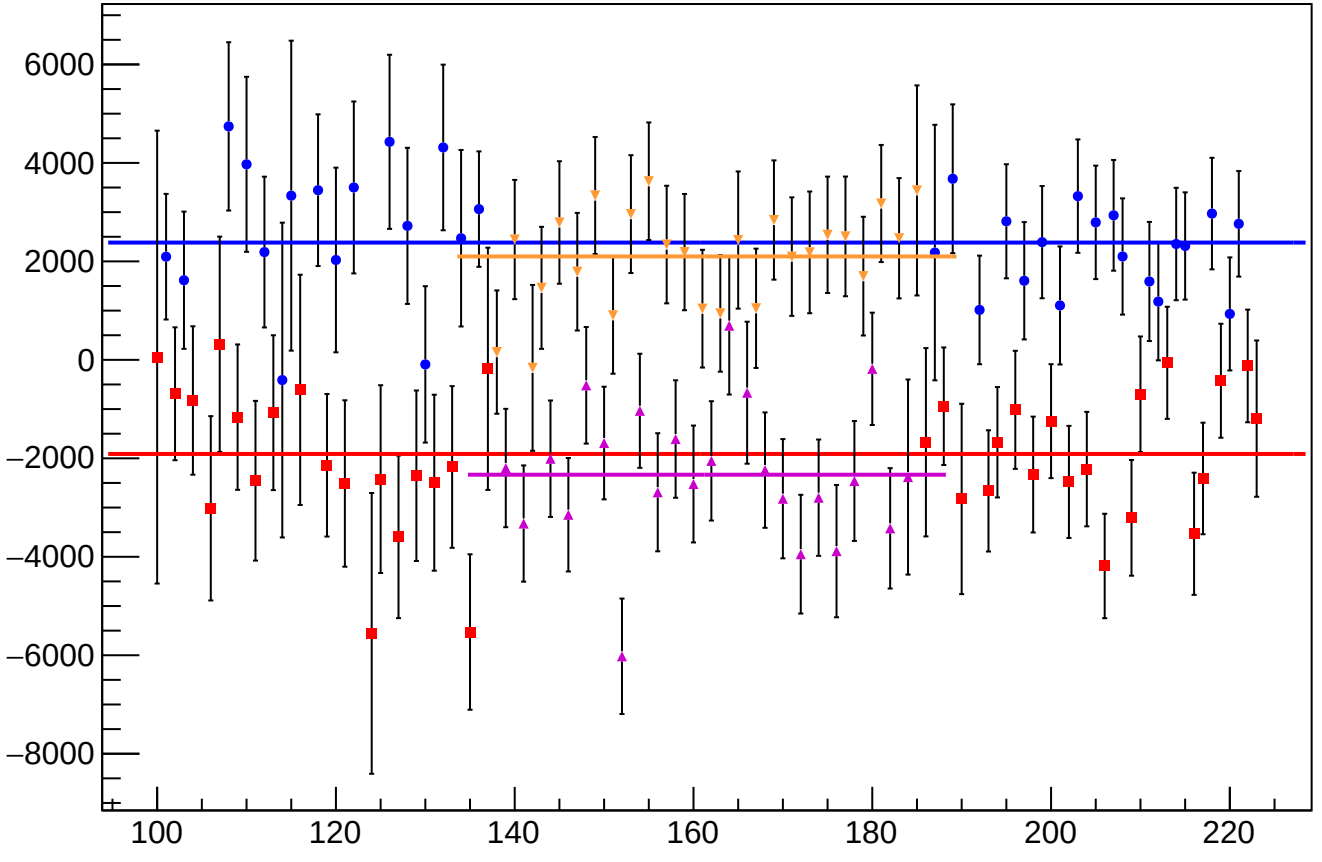
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 33.728+/-0.004 χ^2/NDF: 2549090.3/57

All: 33.832+/-0.003 χ^2/NDF: 6063065.5/118

- sign 33.936+/-0.004 χ^2/NDF: 3512609.5/60

reg_asym_usr_mean vs Slug



Right In: 2382.033+/-231.272 χ^2/NDF: 18.8/33

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1911.397+/-229.701 χ^2/NDF: 31.1/37

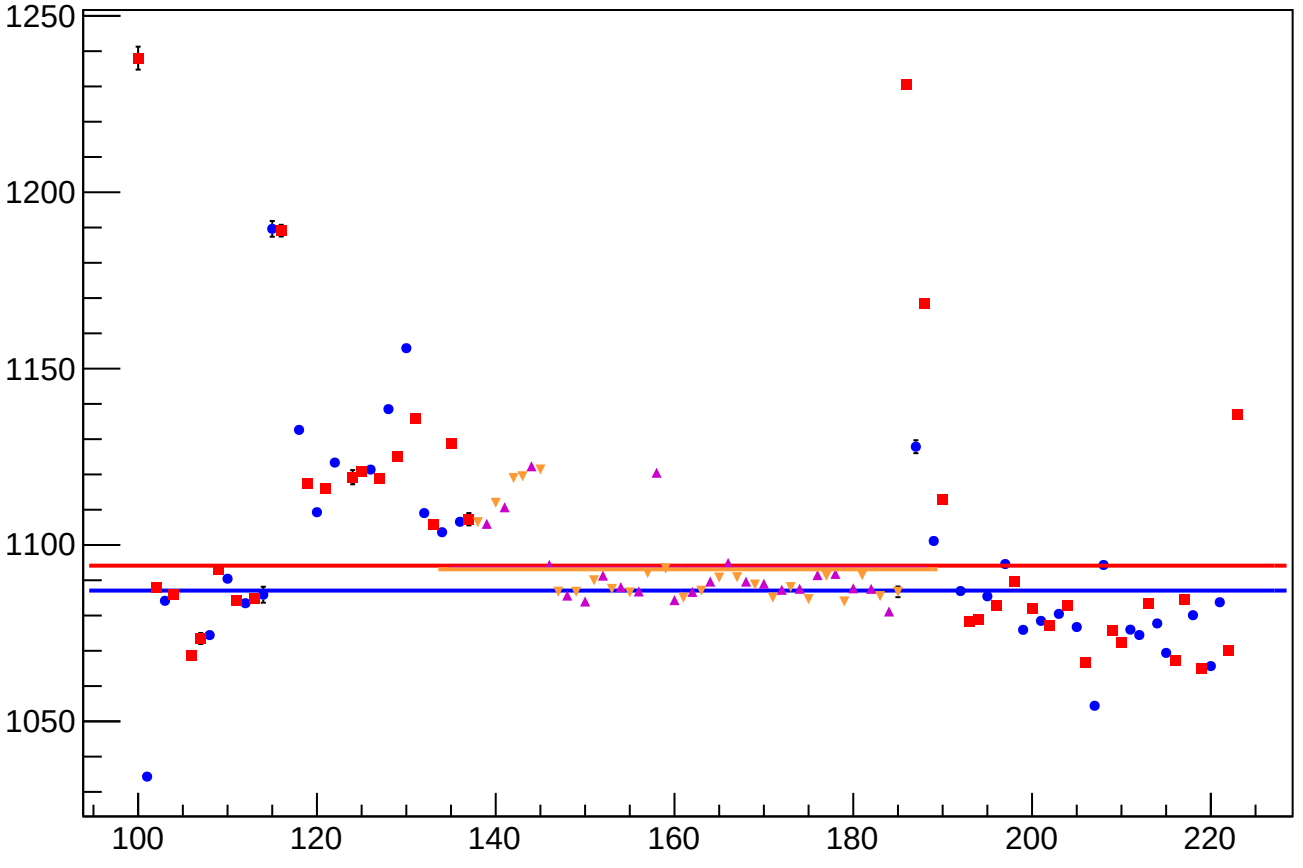
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.206+/-169.236 χ^2/NDF: 33.3/58

All: 95.025+/-120.201 χ^2/NDF: 423.0/119

- sign -2100.000+/-170.754 χ^2/NDF: 62.1/60

reg_asym_usr_rms vs Slug



Right In: 1087.074+/-0.164 χ^2/NDF: 21113.1/33

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.141+/-0.162 χ^2/NDF: 38009.8/37

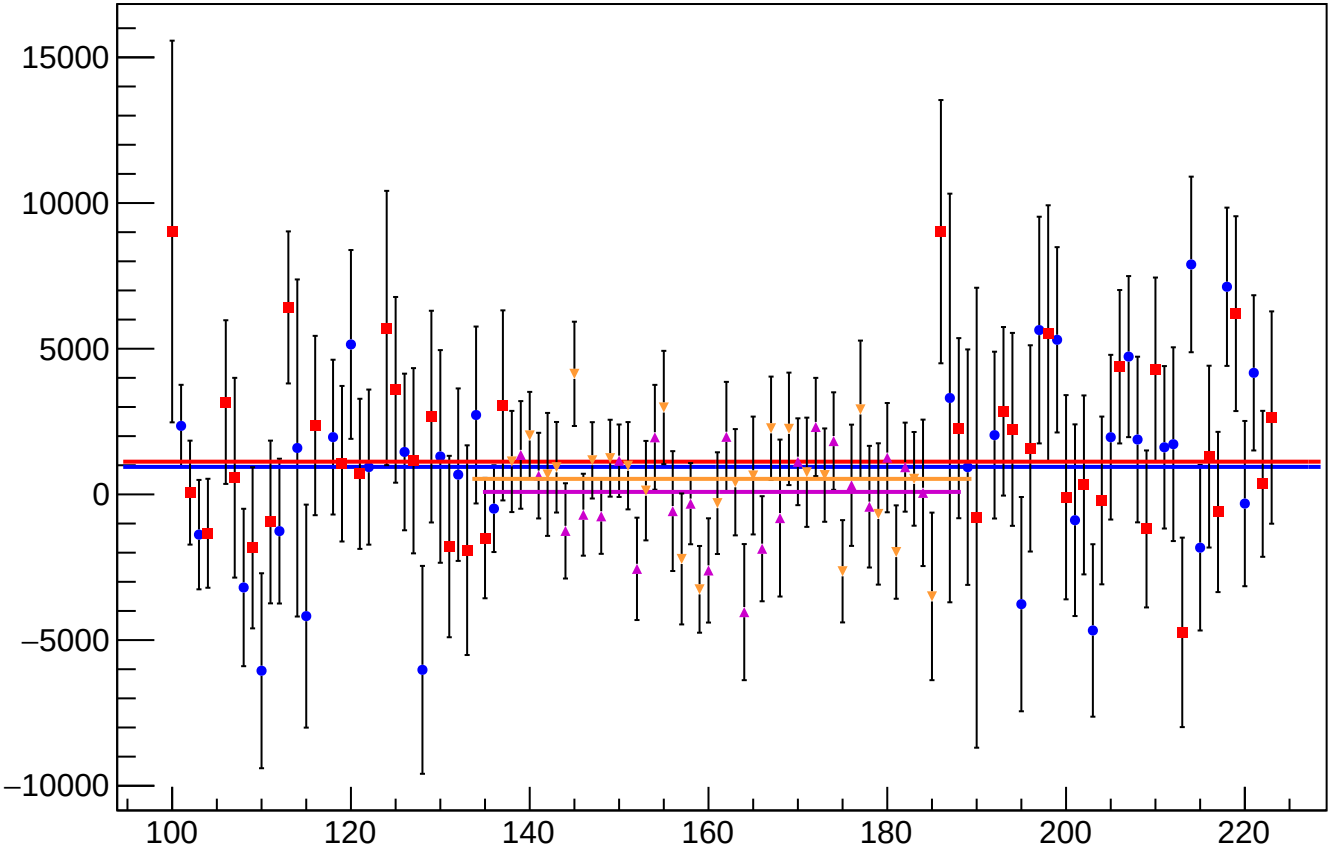
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1089.874+/-0.120 χ^2/NDF: 25727.5/58

All: 1091.811+/-0.085 χ^2/NDF: 68002.5/119

- sign 1093.782+/-0.121 χ^2/NDF: 41746.5/60

asym_usr_reg_correction_mean vs Slug



Right In: 943.817+/-471.387 χ^2/NDF: 43.3/33

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

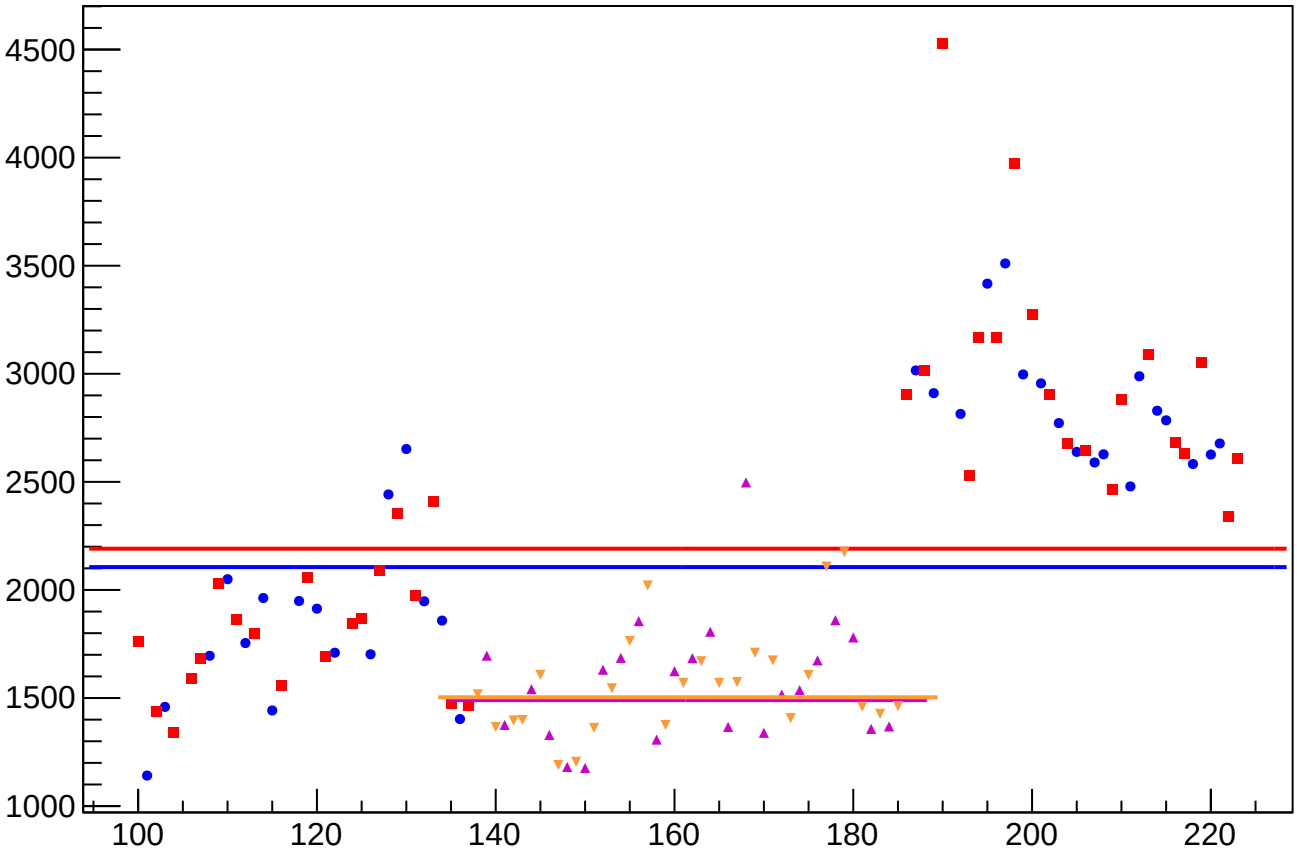
Right Out: 1123.451+/-481.098 χ^2/NDF: 30.0/37

Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 677.487+/-279.566 χ^2/NDF: 70.2/58

All: 565.912+/-199.609 χ^2/NDF: 121.6/119

- sign 449.881+/-285.094 χ^2/NDF: 51.1/60



Right In: 2105.583+/-0.333 χ^2/NDF: 3922594.3/33

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

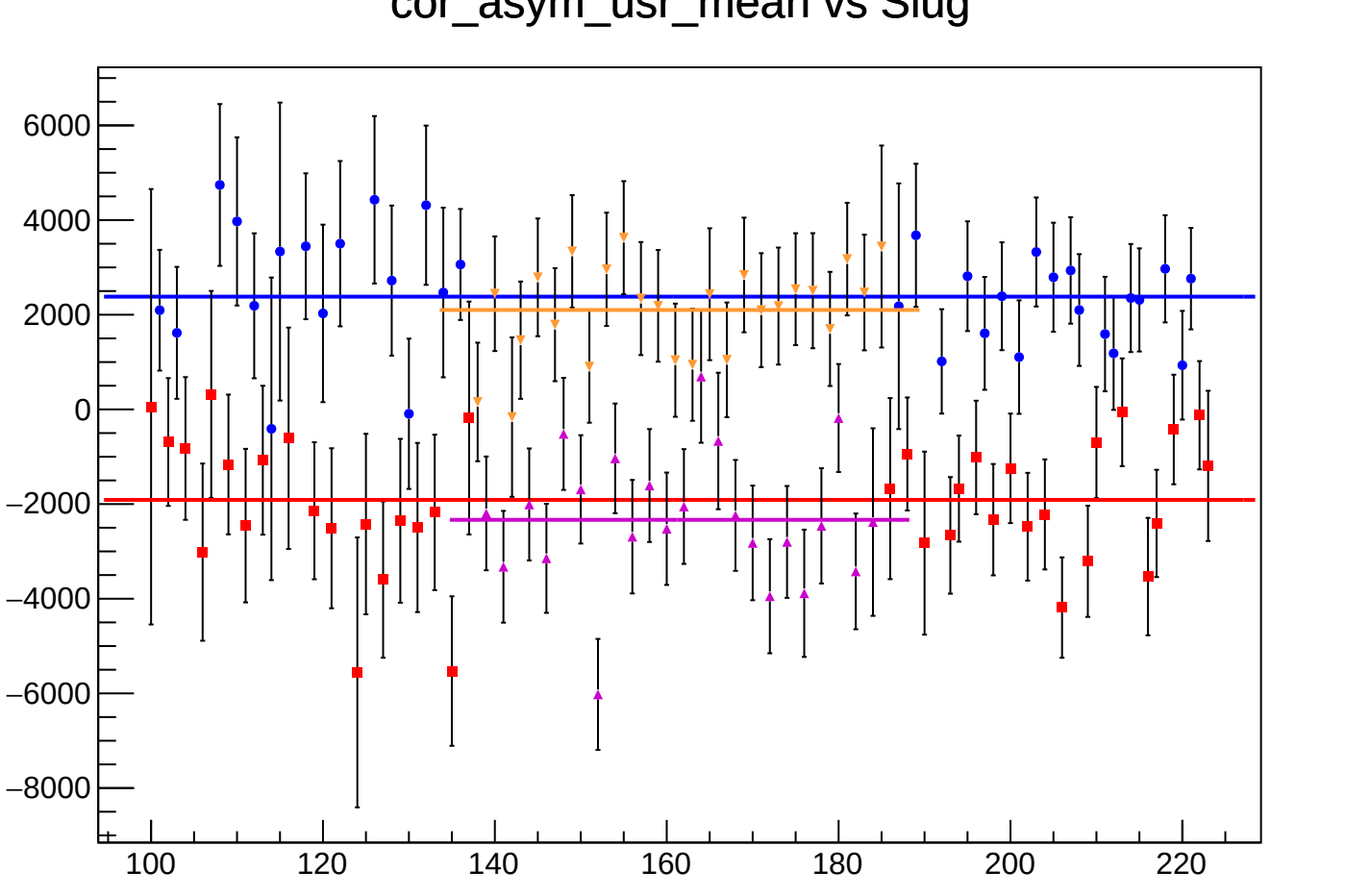
Right Out: 2190.916+/-0.340 χ^2/NDF: 3555522.7/37

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1715.232+/-0.198 χ^2/NDF: 6837859.9/58

All: 1725.580+/-0.141 χ^2/NDF: 14119138.3/1

- sign 1736.341+/-0.202 χ^2/NDF: 7275689.0/60



Right In: 2382.033+/-231.272 χ^2/NDF: 18.8/33

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1911.397+/-229.701 χ^2/NDF: 31.1/37

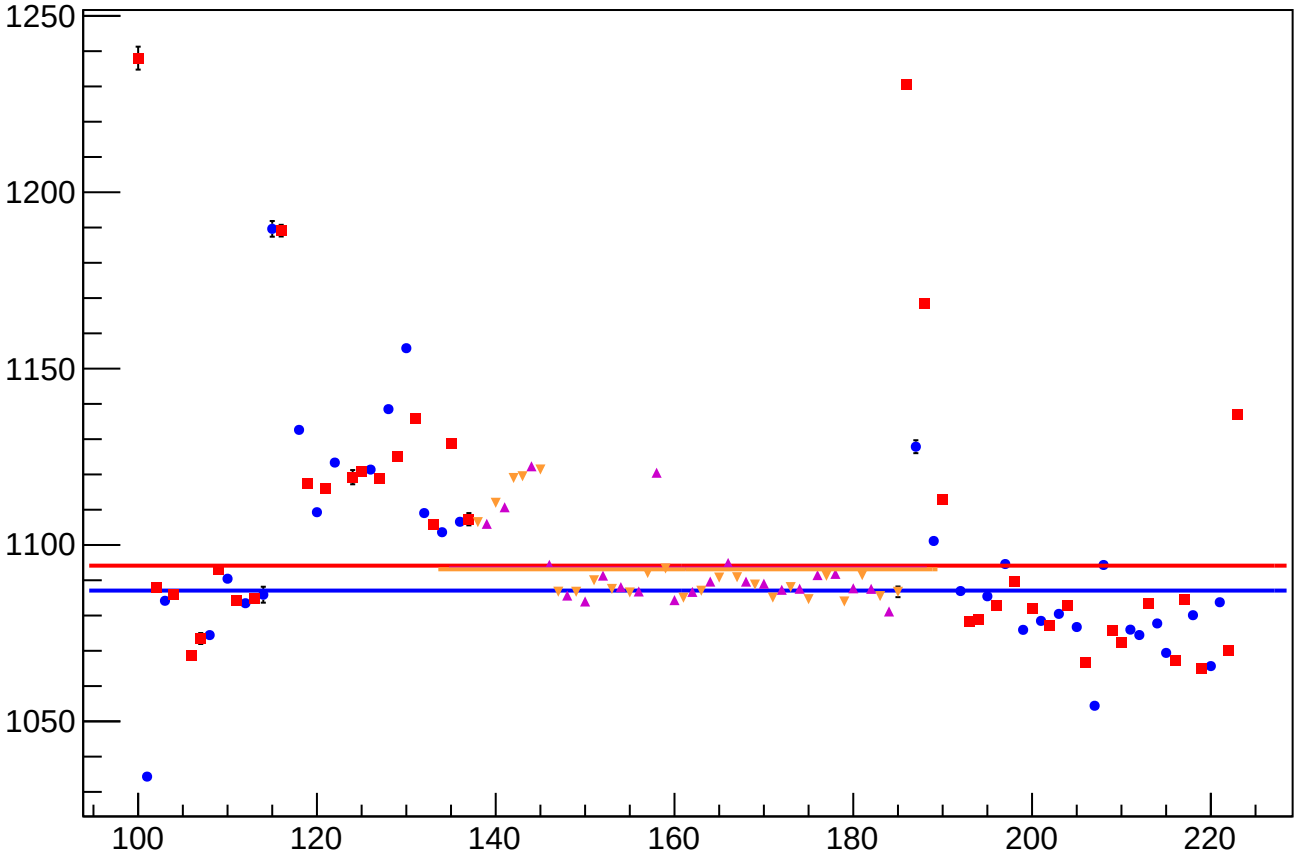
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.206+/-169.236 χ^2/NDF: 33.3/58

All: 95.025+/-120.201 χ^2/NDF: 423.0/119

- sign -2100.000+/-170.754 χ^2/NDF: 62.1/60

cor_asym_usr_rms vs Slug



Right In: 1087.074+/-0.164 χ^2/NDF: 21113.1/33

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.141+/-0.162 χ^2/NDF: 38009.8/37

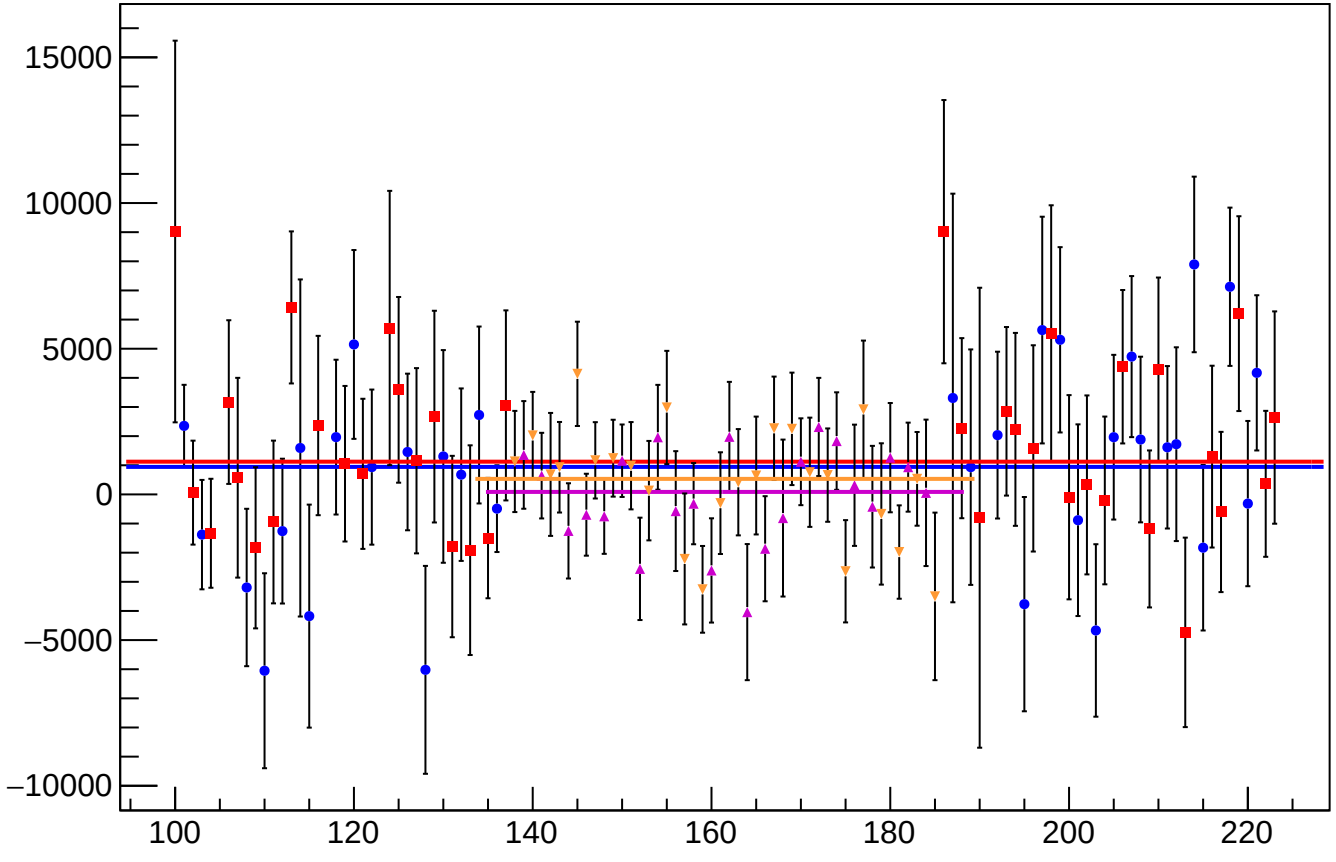
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1089.874+/-0.120 χ^2/NDF: 25727.5/58

All: 1091.811+/-0.085 χ^2/NDF: 68002.5/119

- sign 1093.782+/-0.121 χ^2/NDF: 41746.5/60

asym_usr_cor_correction_mean vs Slug



Right In: 943.817+/-471.387 χ^2/NDF: 43.3/33

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

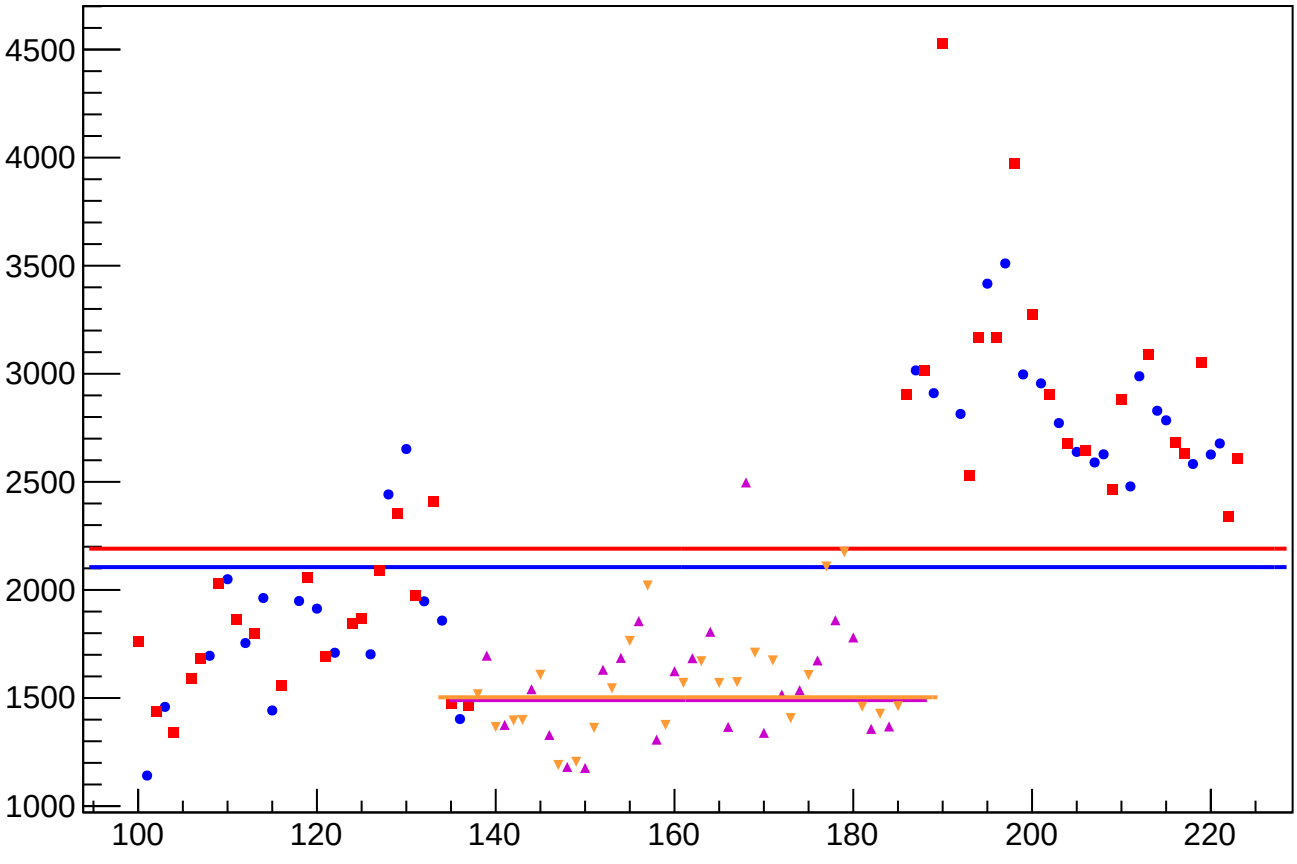
Right Out: 1123.451+/-481.098 χ^2/NDF: 30.0/37

Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 677.487+/-279.566 χ^2/NDF: 70.2/58

All: 565.912+/-199.609 χ^2/NDF: 121.6/119

- sign 449.881+/-285.094 χ^2/NDF: 51.1/60



Right In: 2105.583+/-0.333 χ^2/NDF: 3922594.3/33

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

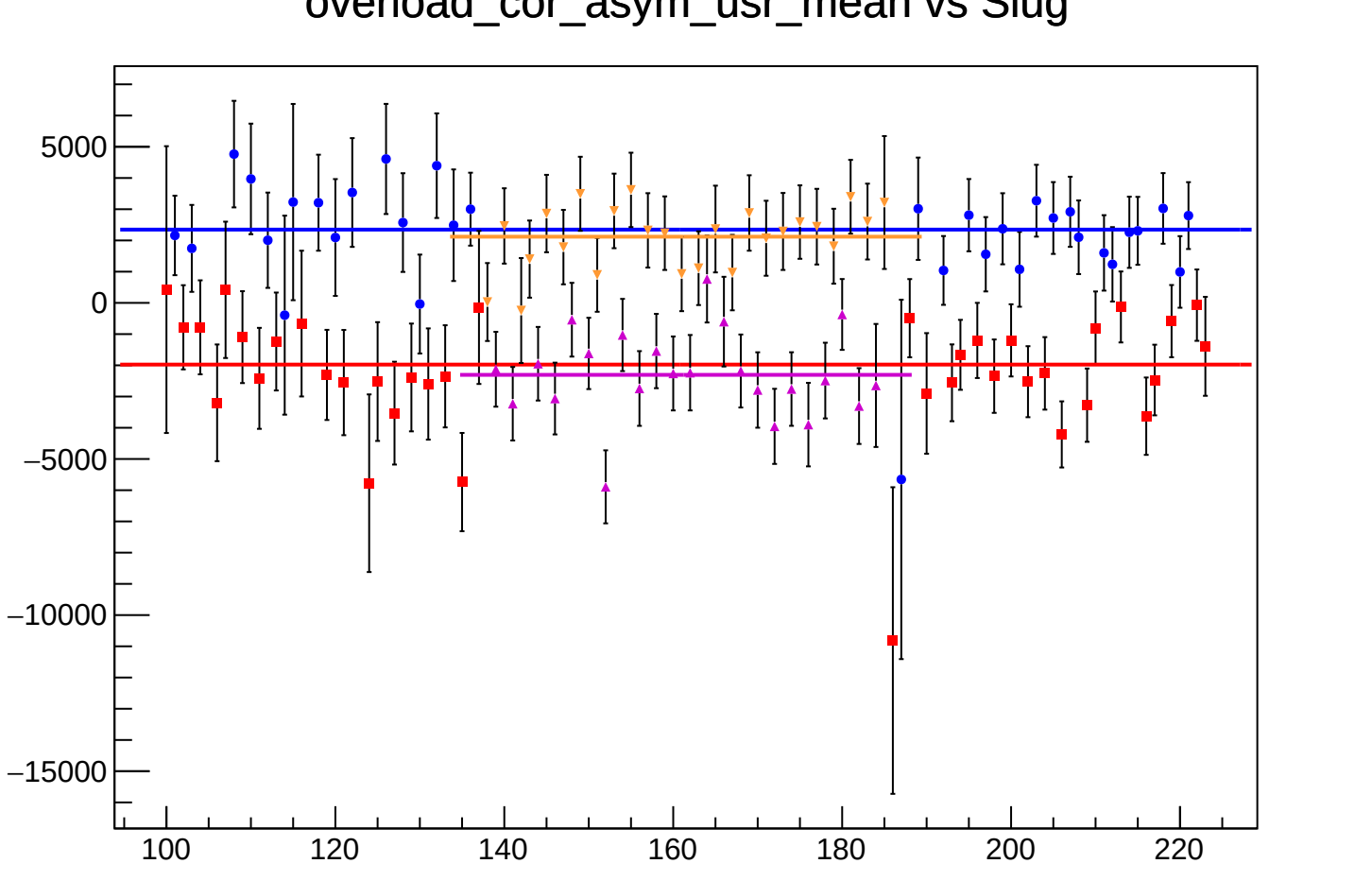
Right Out: 2190.916+/-0.340 χ^2/NDF: 3555522.7/37

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1715.232+/-0.198 χ^2/NDF: 6837859.9/58

All: 1725.580+/-0.141 χ^2/NDF: 14119138.3/1

- sign 1736.341+/-0.202 χ^2/NDF: 7275689.0/60



Right In: 2347.206+/-232.041 χ^2/NDF: 20.0/33

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -1976.145+/-231.204 χ^2/NDF: 35.8/37

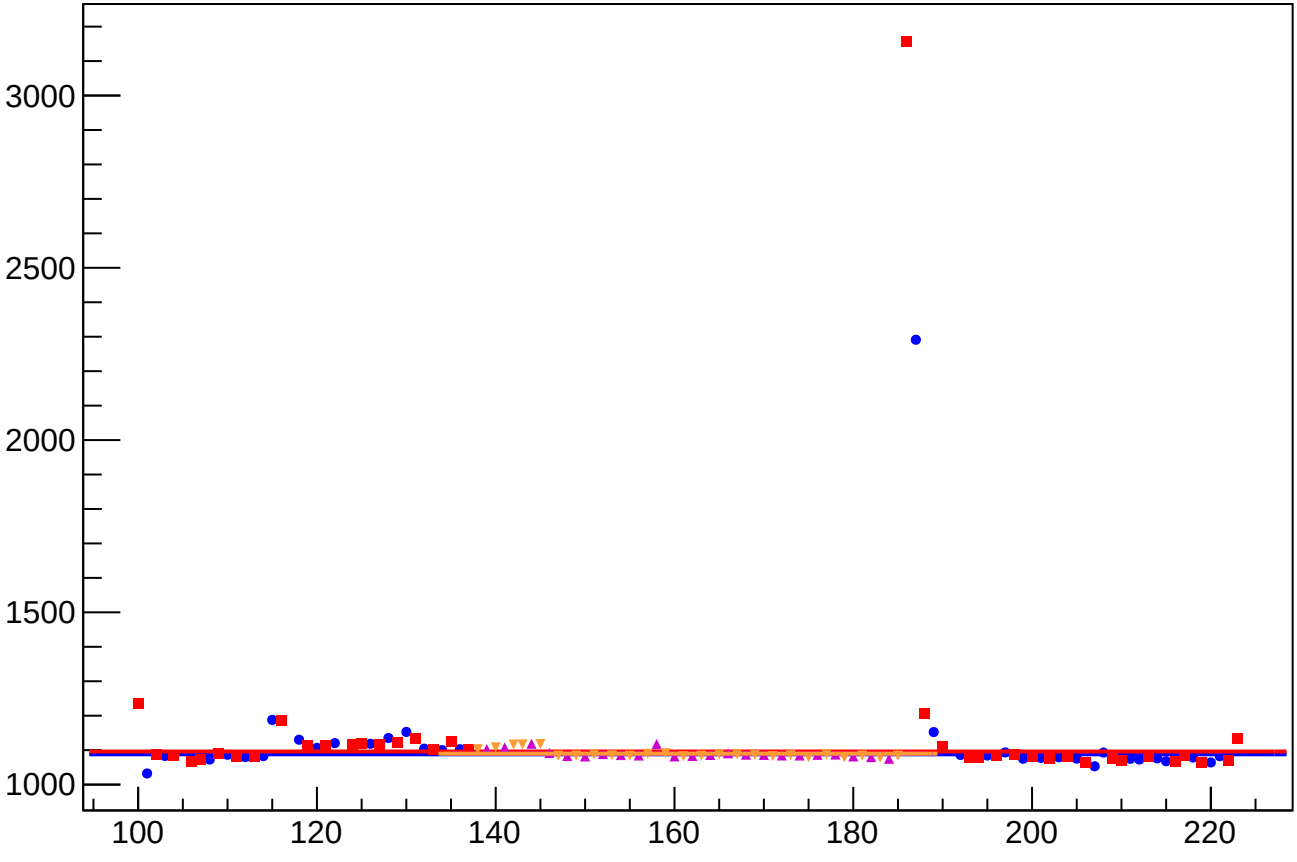
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2240.927+/-169.293 χ^2/NDF: 35.5/58

All: 81.506+/-120.352 χ^2/NDF: 429.7/119

- sign -2125.023+/-171.130 χ^2/NDF: 65.2/60

overload_cor_asym_usr_rms vs Slug



Right In: 1087.935+/-0.164 χ^2/NDF: 110639.8/33

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1096.061+/-0.163 χ^2/NDF: 388144.5/37

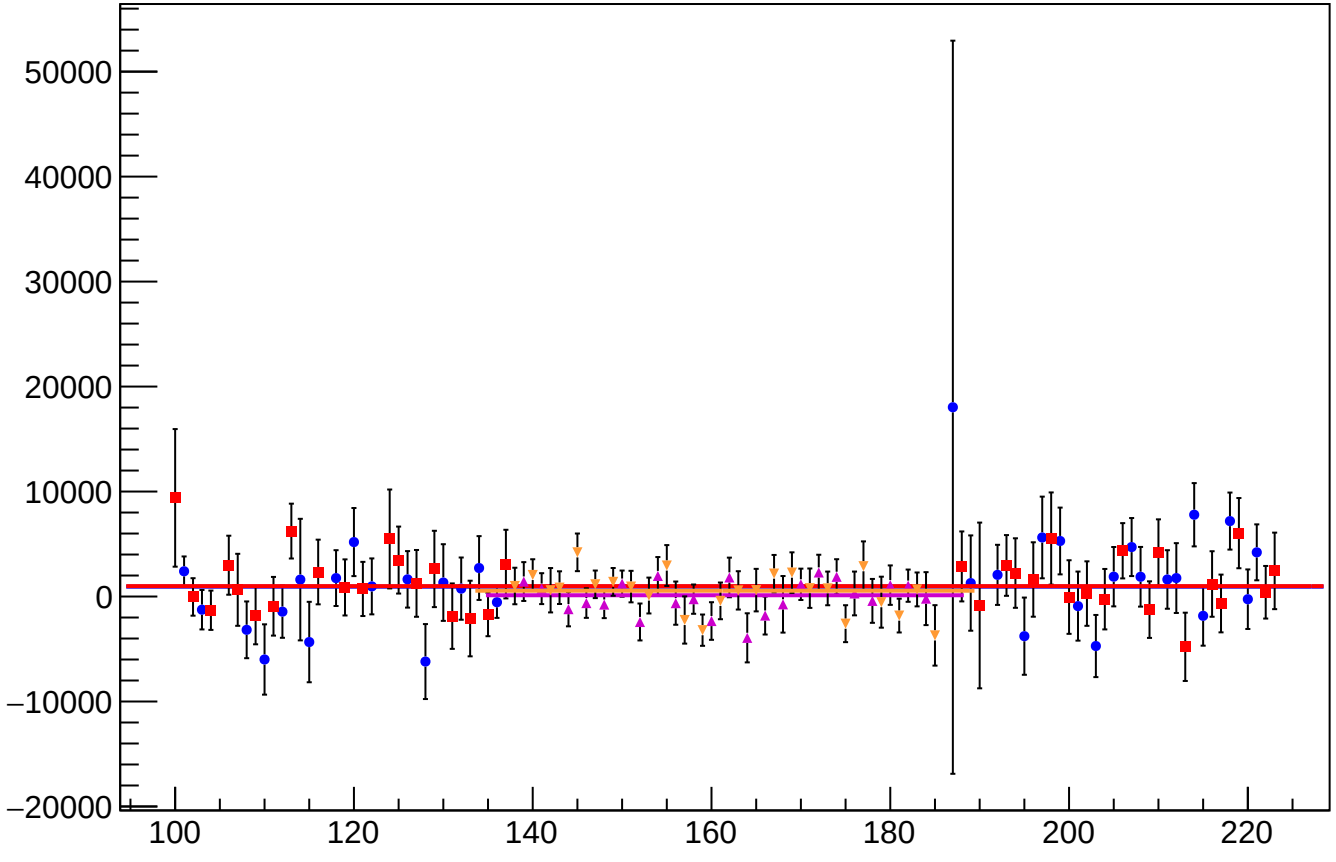
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1088.781+/-0.120 χ^2/NDF: 114754.3/58

All: 1091.018+/-0.085 χ^2/NDF: 508130.0/119

- sign 1093.305+/-0.121 χ^2/NDF: 392669.4/60

asym_usr_overload_cor_correction_mean vs Slug



Right In: 940.335+/-473.469 χ^2/NDF: 43.7/33

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 989.699+/-485.003 χ^2/NDF: 26.9/36

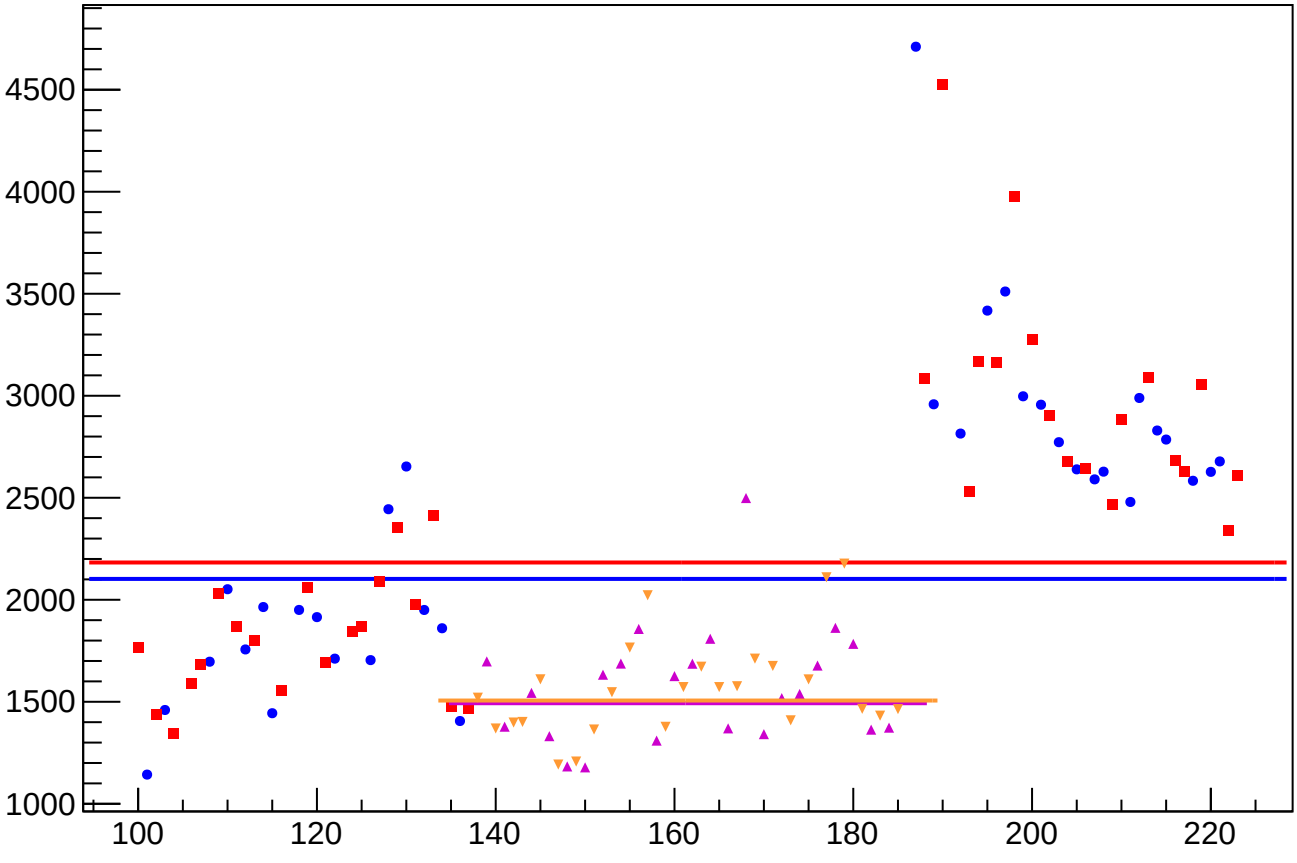
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 689.254+/-280.308 χ^2/NDF: 70.3/58

All: 559.304+/-200.265 χ^2/NDF: 116.8/118

- sign 423.813+/-286.220 χ^2/NDF: 46.1/59

asym_usr_overload_cor_correction_rms vs Slug



Right In: 2102.251+/-0.335 χ^2/NDF: 3876772.5/33

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2182.741+/-0.343 χ^2/NDF: 3494007.7/36

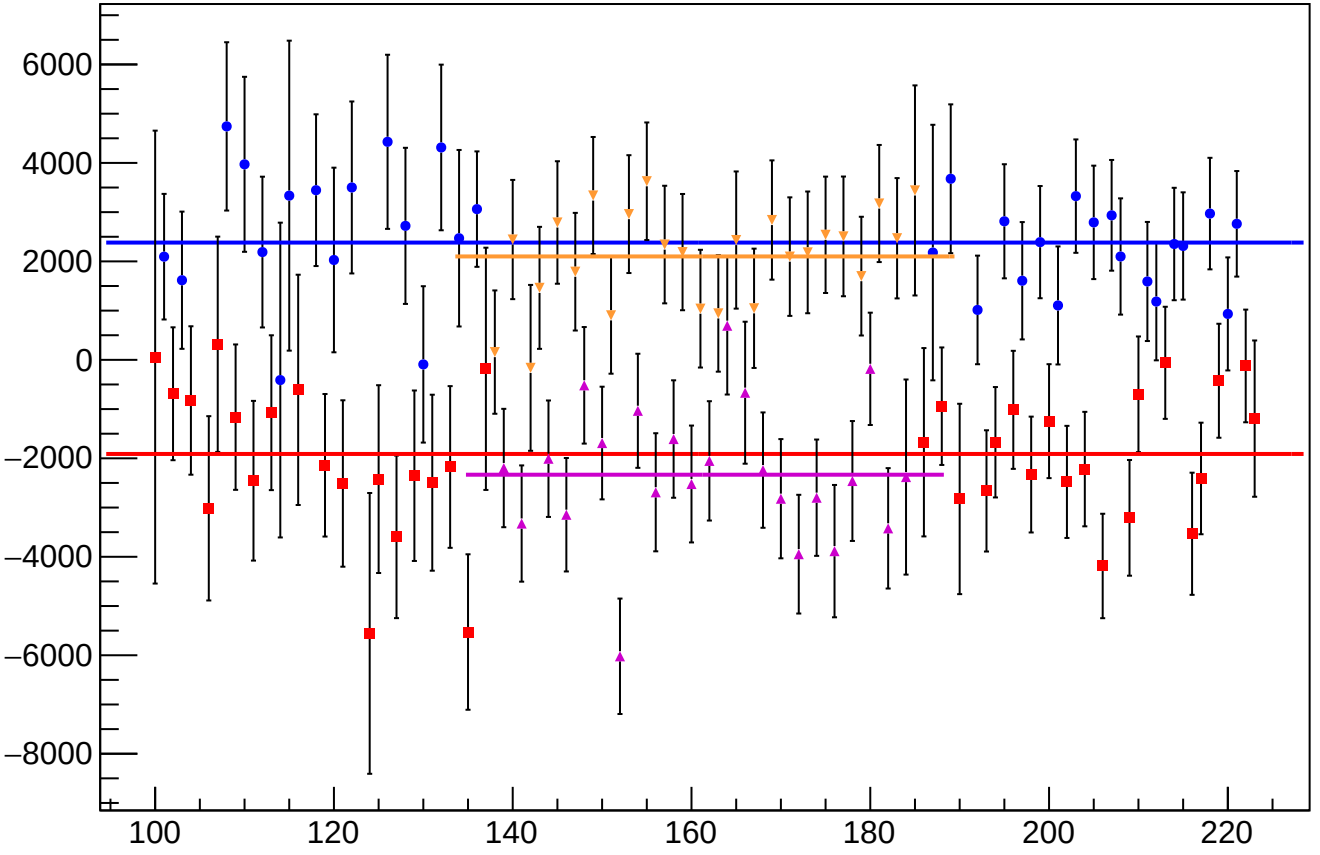
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1715.052+/-0.198 χ^2/NDF: 6732543.8/58

All: 1723.936+/-0.142 χ^2/NDF: 13831423.2/1

- sign 1733.198+/-0.202 χ^2/NDF: 7094776.0/59

eigen_cor_asym_usr_mean vs Slug



Right In: 2382.033+/-231.272 χ^2/NDF: 18.8/33

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1911.397+/-229.701 χ^2/NDF: 31.1/37

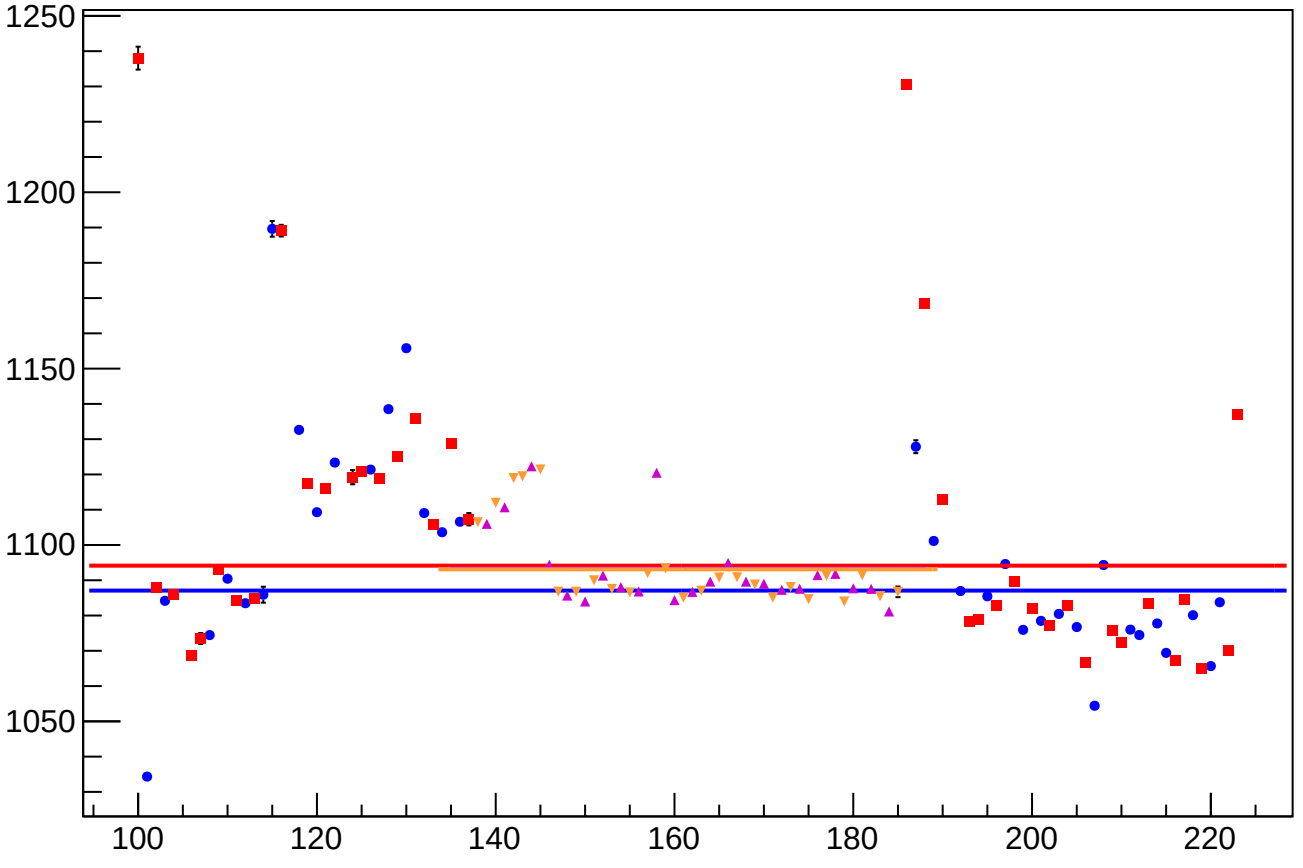
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.206+/-169.236 χ^2/NDF: 33.3/58

All: 95.025+/-120.201 χ^2/NDF: 423.0/119

- sign -2100.000+/-170.754 χ^2/NDF: 62.1/60

eigen_cor_asym_usr_rms vs Slug



Right In: 1087.074+/-0.164 χ^2/NDF: 21113.1/33

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.141+/-0.162 χ^2/NDF: 38009.8/37

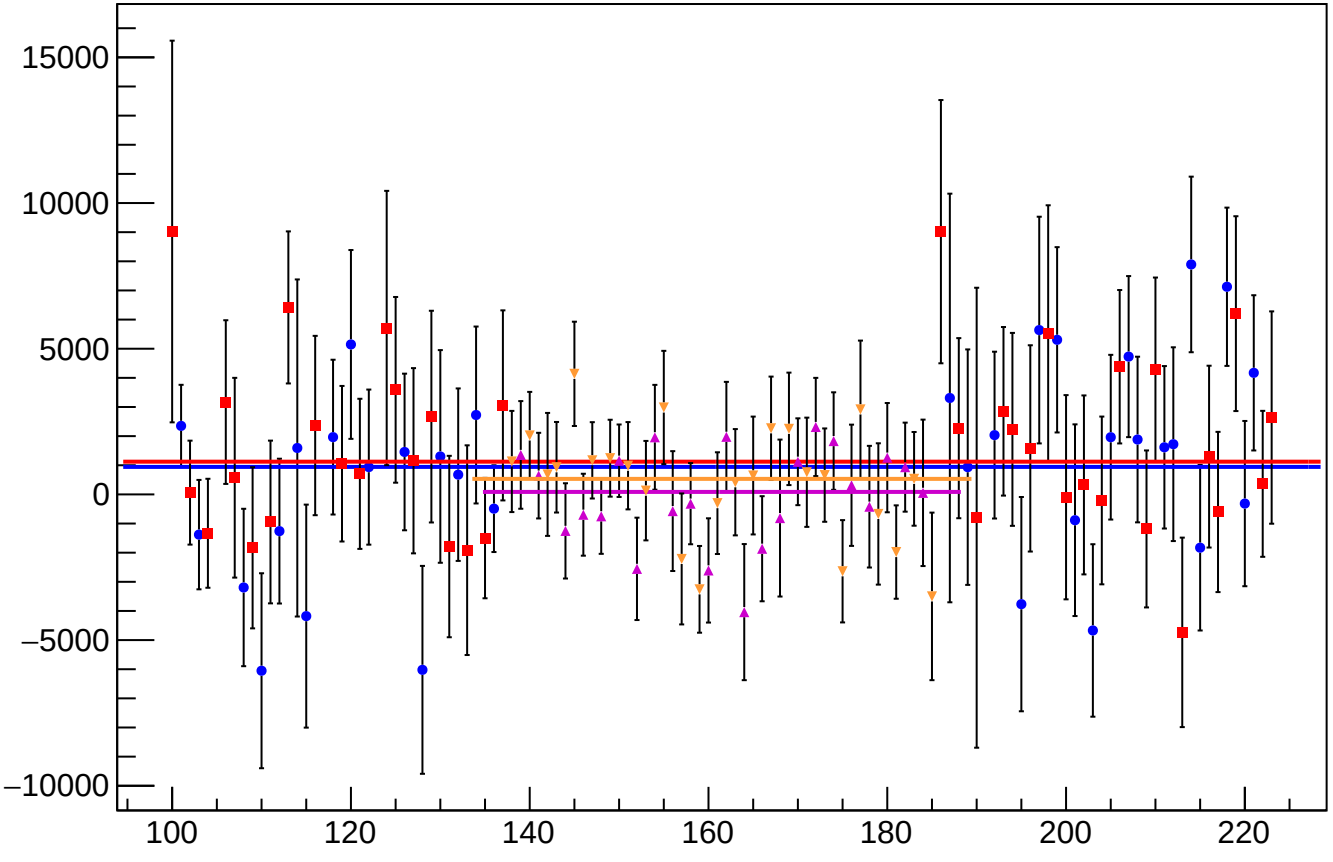
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1089.874+/-0.120 χ^2/NDF: 25727.5/58

All: 1091.811+/-0.085 χ^2/NDF: 68002.5/119

- sign 1093.782+/-0.121 χ^2/NDF: 41746.5/60

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 943.817+/-471.387 χ^2/NDF: 43.3/33

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1123.451+/-481.098 χ^2/NDF: 30.0/37

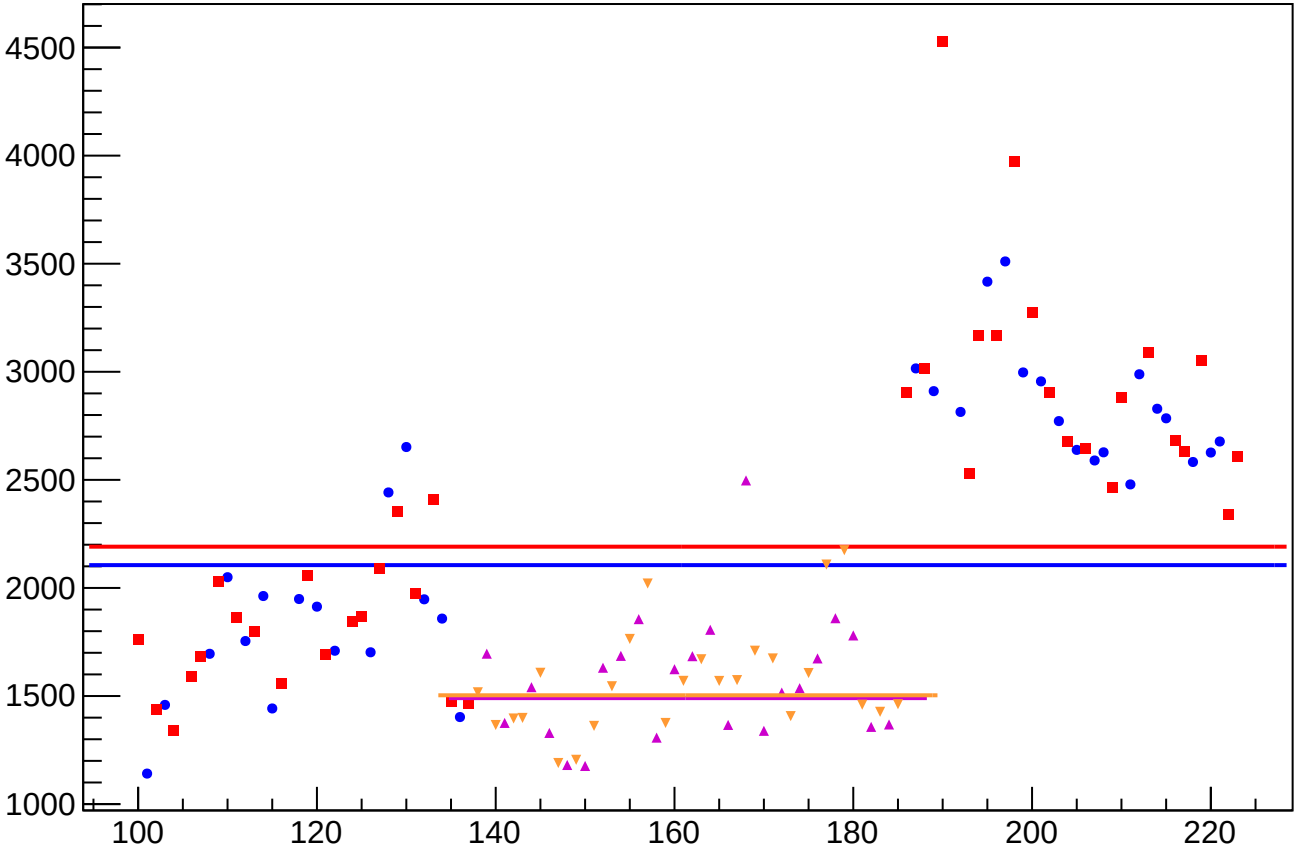
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 677.487+/-279.566 χ^2/NDF: 70.2/58

All: 565.912+/-199.609 χ^2/NDF: 121.6/119

\- sign 449.881+/-285.094 χ^2/NDF: 51.1/60

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 2105.583+/-0.333 χ^2/NDF: 3922594.3/33

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2190.916+/-0.340 χ^2/NDF: 3555522.7/37

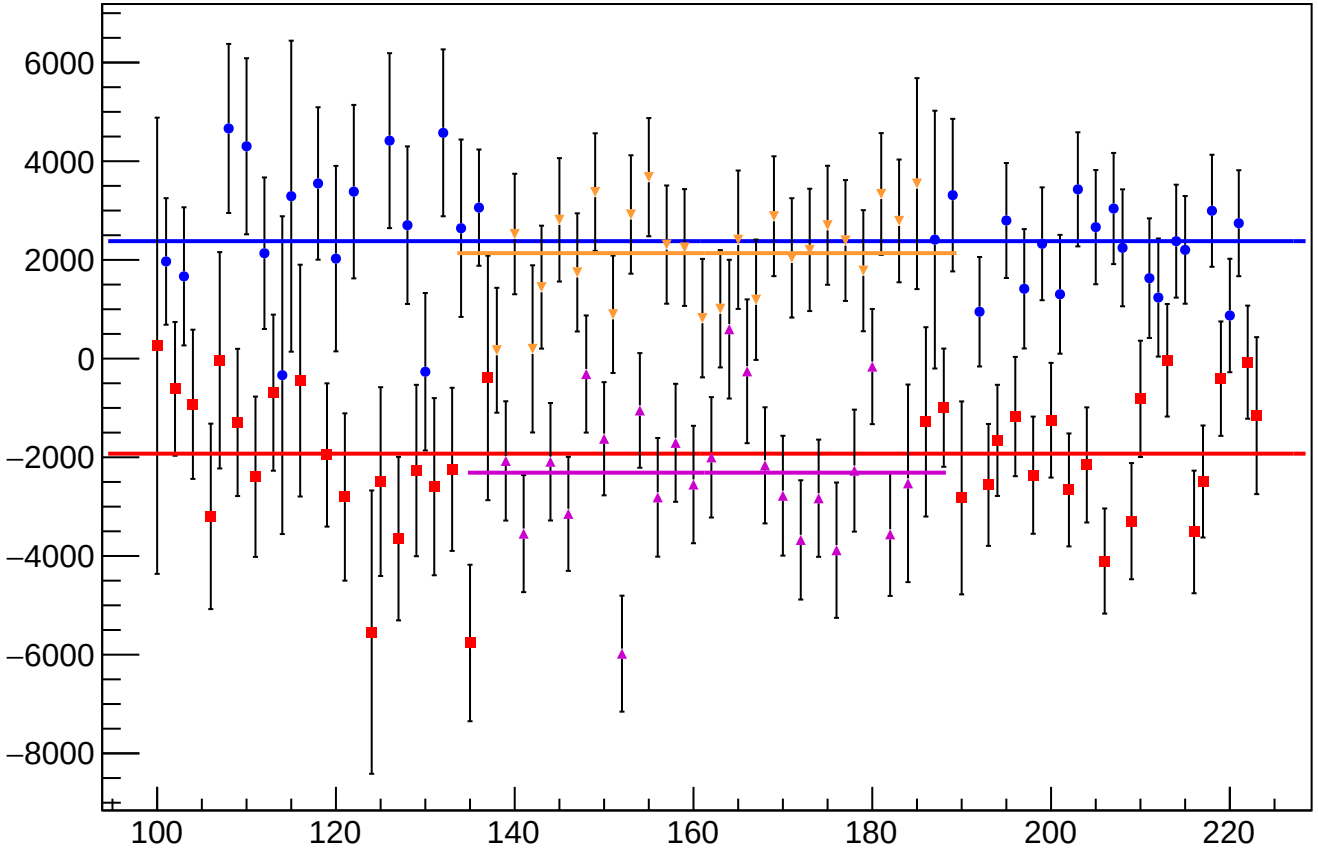
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1715.232+/-0.198 χ^2/NDF: 6837859.9/58

All: 1725.580+/-0.141 χ^2/NDF: 14119138.3/1

- sign 1736.341+/-0.202 χ^2/NDF: 7275689.0/60

dit_asym_usr_mean vs Slug



Right In: 2379.937+/-232.278 χ^2/NDF: 19.5/33

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1926.380+/-230.625 χ^2/NDF: 31.7/37

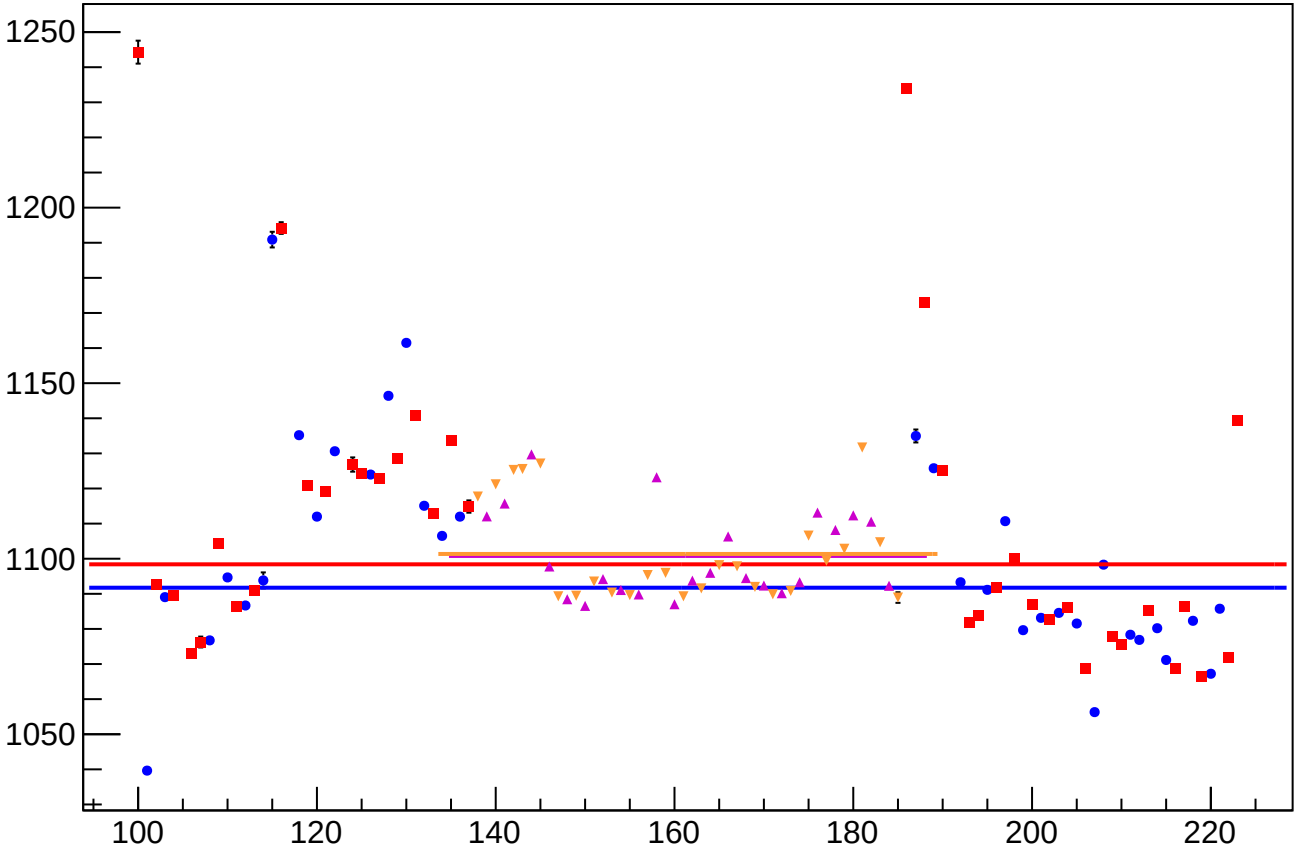
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2267.563+/-170.227 χ^2/NDF: 33.9/58

All: 102.905+/-120.871 χ^2/NDF: 423.0/119

- sign -2098.260+/-171.657 χ^2/NDF: 62.9/60

dit_asym_usr_rms vs Slug



Right In: 1091.740+/-0.164 χ^2/NDF: 23384.1/33

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.403+/-0.163 χ^2/NDF: 39008.1/37

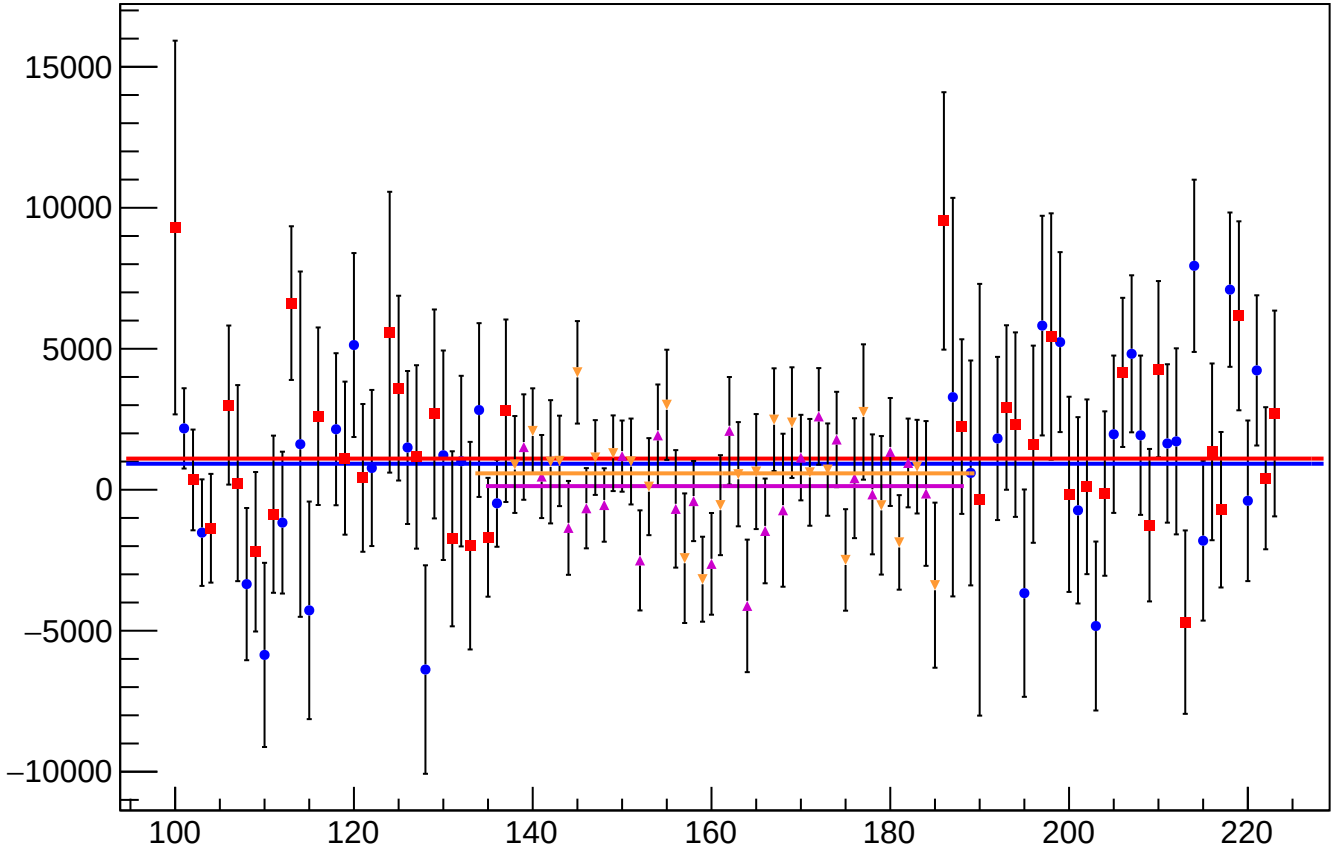
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1096.190+/-0.120 χ^2/NDF: 30920.4/58

All: 1097.816+/-0.085 χ^2/NDF: 75033.8/119

- sign 1099.469+/-0.121 χ^2/NDF: 43745.6/60

asym_usr_dit_correction_mean vs Slug



Right In: 922.533+/-476.234 χ^2/NDF: 43.3/33

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1104.880+/-485.977 χ^2/NDF: 30.1/37

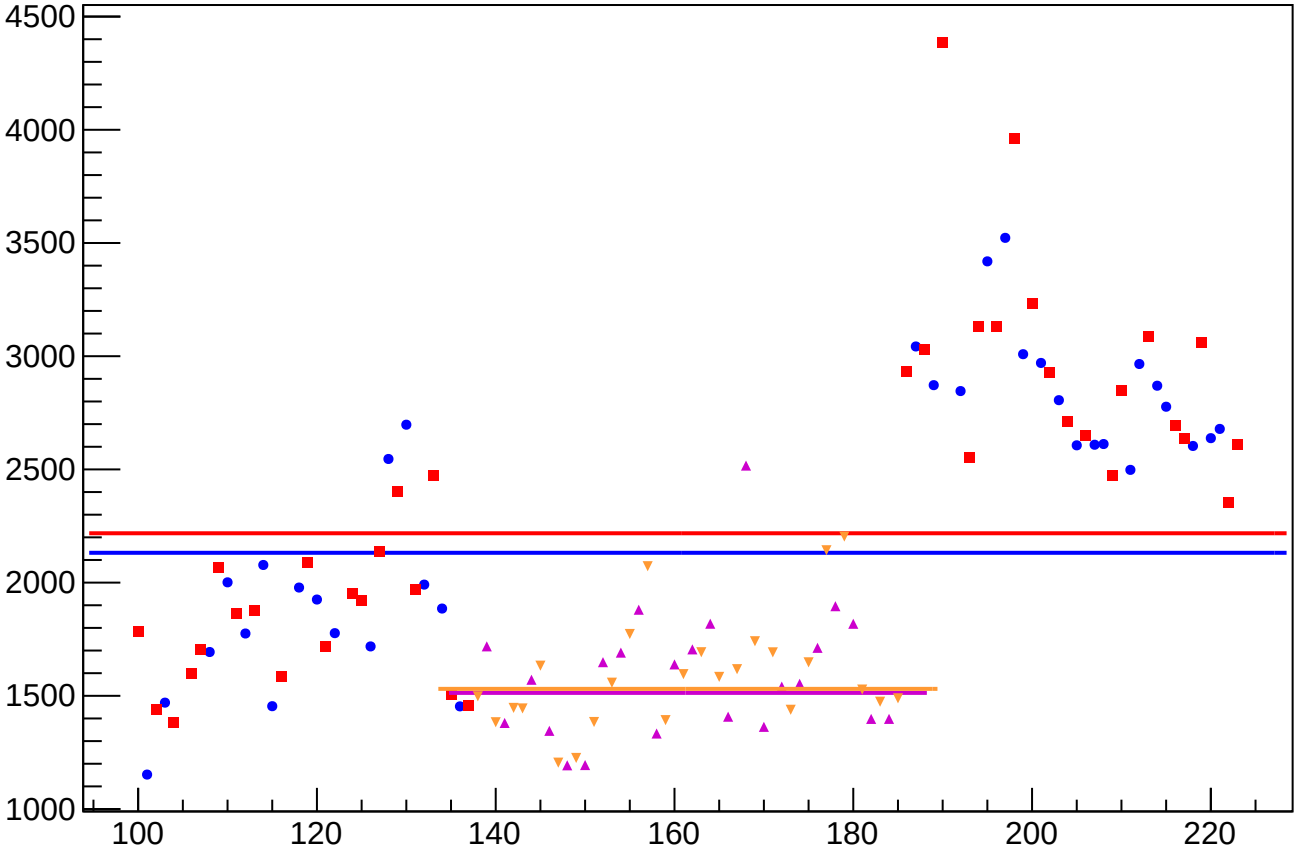
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 702.555+/-283.790 χ^2/NDF: 69.1/58

All: 590.060+/-202.426 χ^2/NDF: 119.9/119

- sign 473.541+/-288.823 χ^2/NDF: 50.6/60

asym_usr_dit_correction_rms vs Slug



Right In: 2131.721+/-0.337 χ^2/NDF: 3788509.3/33

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2217.974+/-0.344 χ^2/NDF: 3383493.3/37

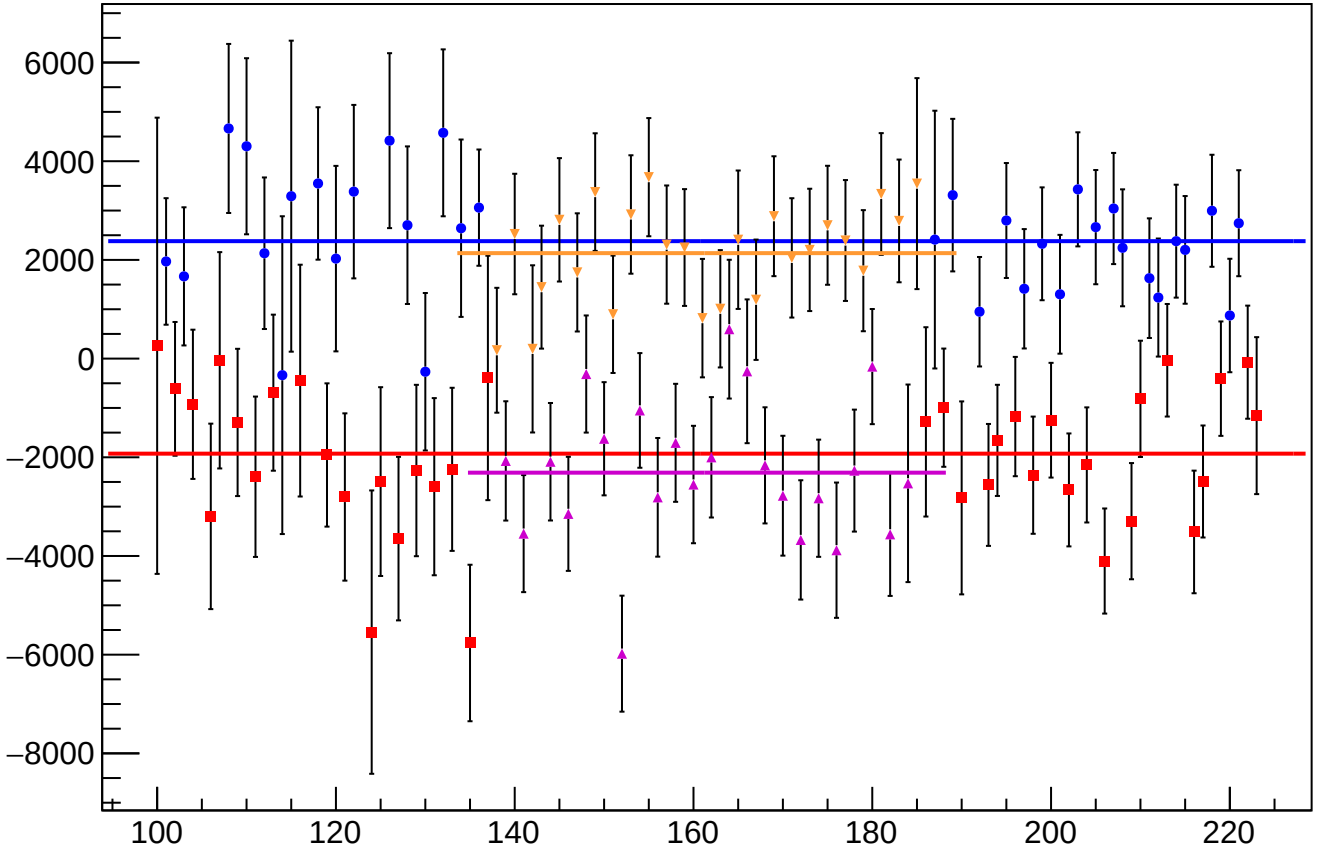
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1744.166+/-0.201 χ^2/NDF: 6637979.9/58

All: 1752.911+/-0.143 χ^2/NDF: 13704942.4/1

- sign 1761.969+/-0.204 χ^2/NDF: 7063096.2/60

eigen_dit_asym_usr_mean vs Slug



Right In: 2379.937+/-232.278 χ^2/NDF: 19.5/33

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1926.385+/-230.625 χ^2/NDF: 31.7/37

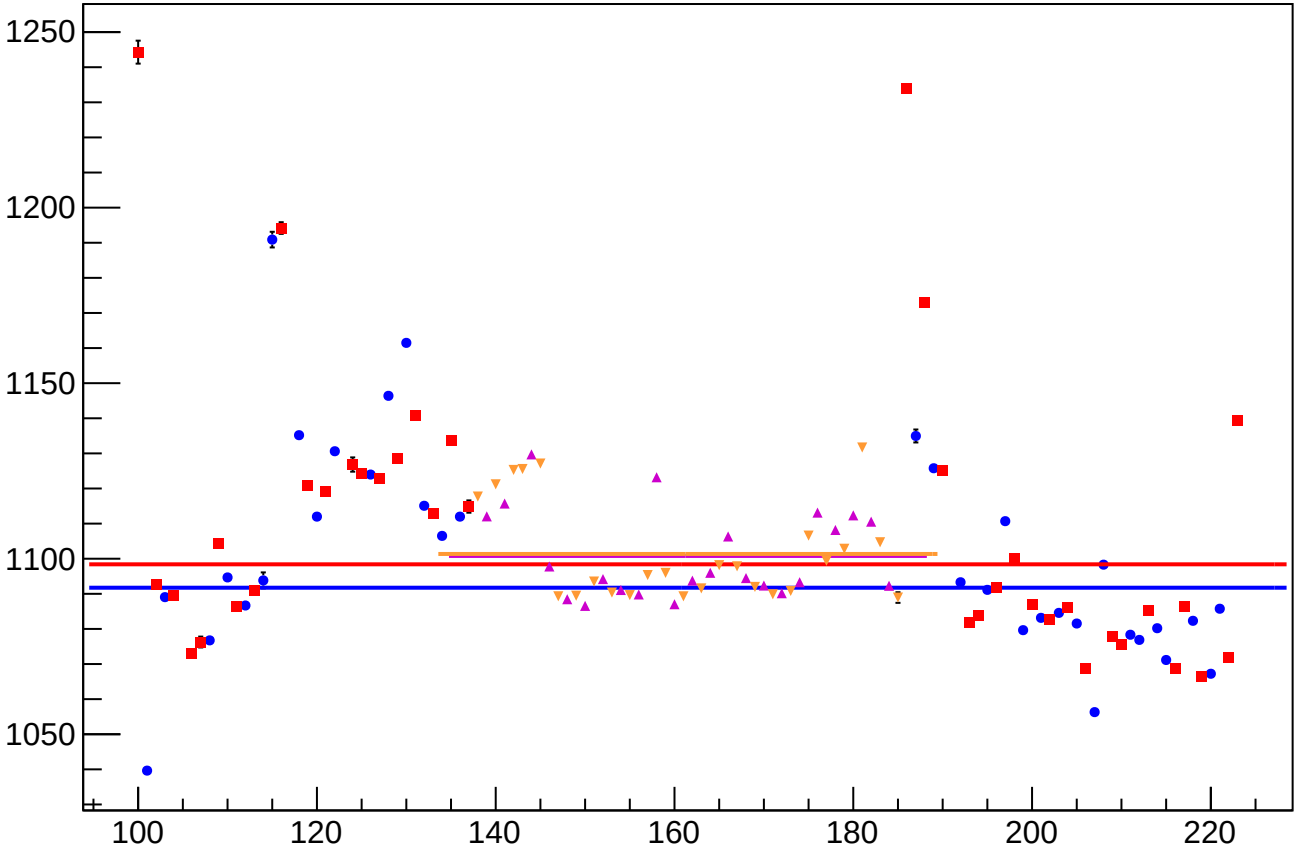
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2267.562+/-170.227 χ^2/NDF: 33.9/58

All: 102.903+/-120.871 χ^2/NDF: 423.0/119

- sign -2098.262+/-171.657 χ^2/NDF: 62.9/60

eigen_dit_asym_usr_rms vs Slug



Right In: 1091.740+/-0.164 χ^2/NDF: 23383.9/33

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.403+/-0.163 χ^2/NDF: 39008.0/37

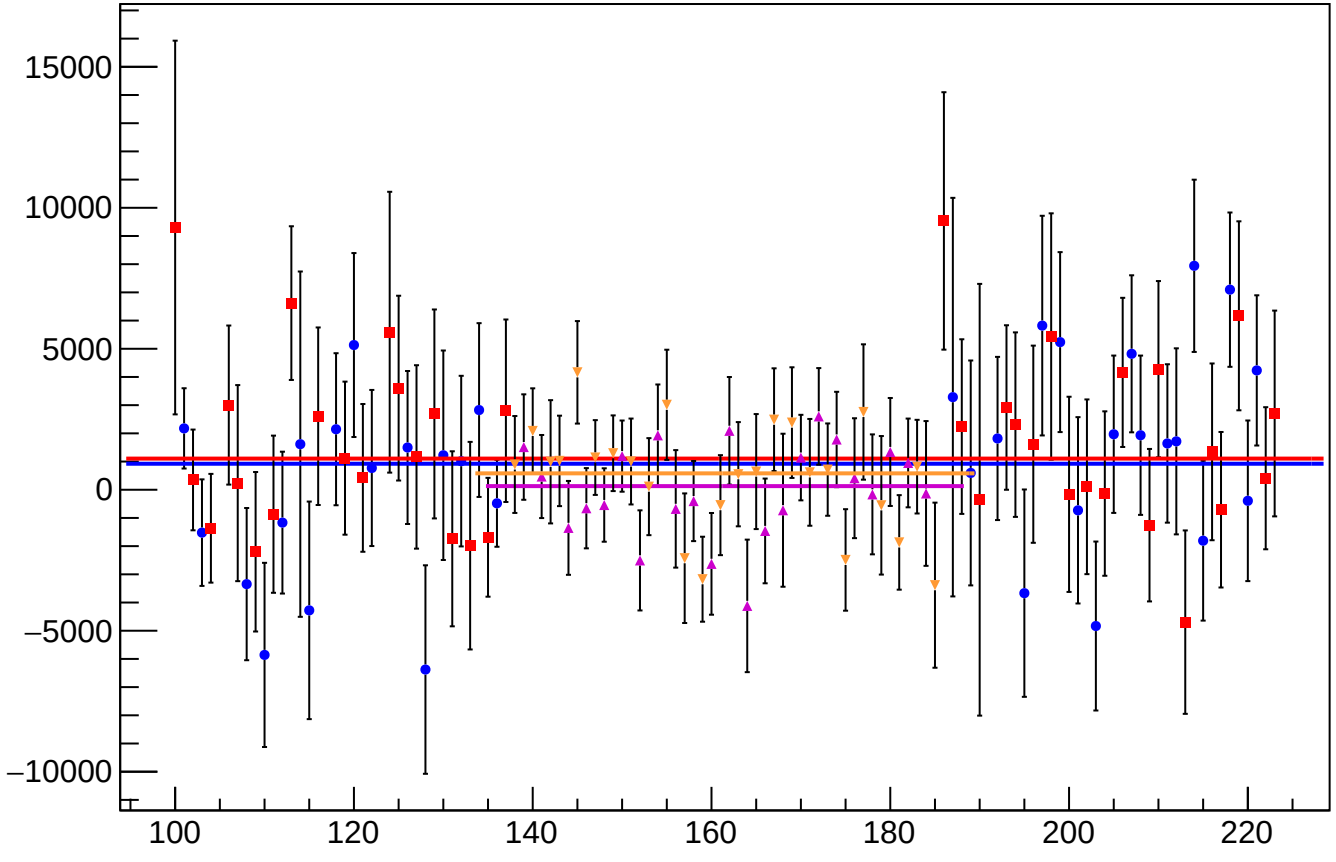
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1096.190+/-0.120 χ^2/NDF: 30920.3/58

All: 1097.816+/-0.085 χ^2/NDF: 75033.5/119

- sign 1099.469+/-0.121 χ^2/NDF: 43745.5/60

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 922.528+/-476.234 χ^2/NDF: 43.3/33

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1104.879+/-485.977 χ^2/NDF: 30.1/37

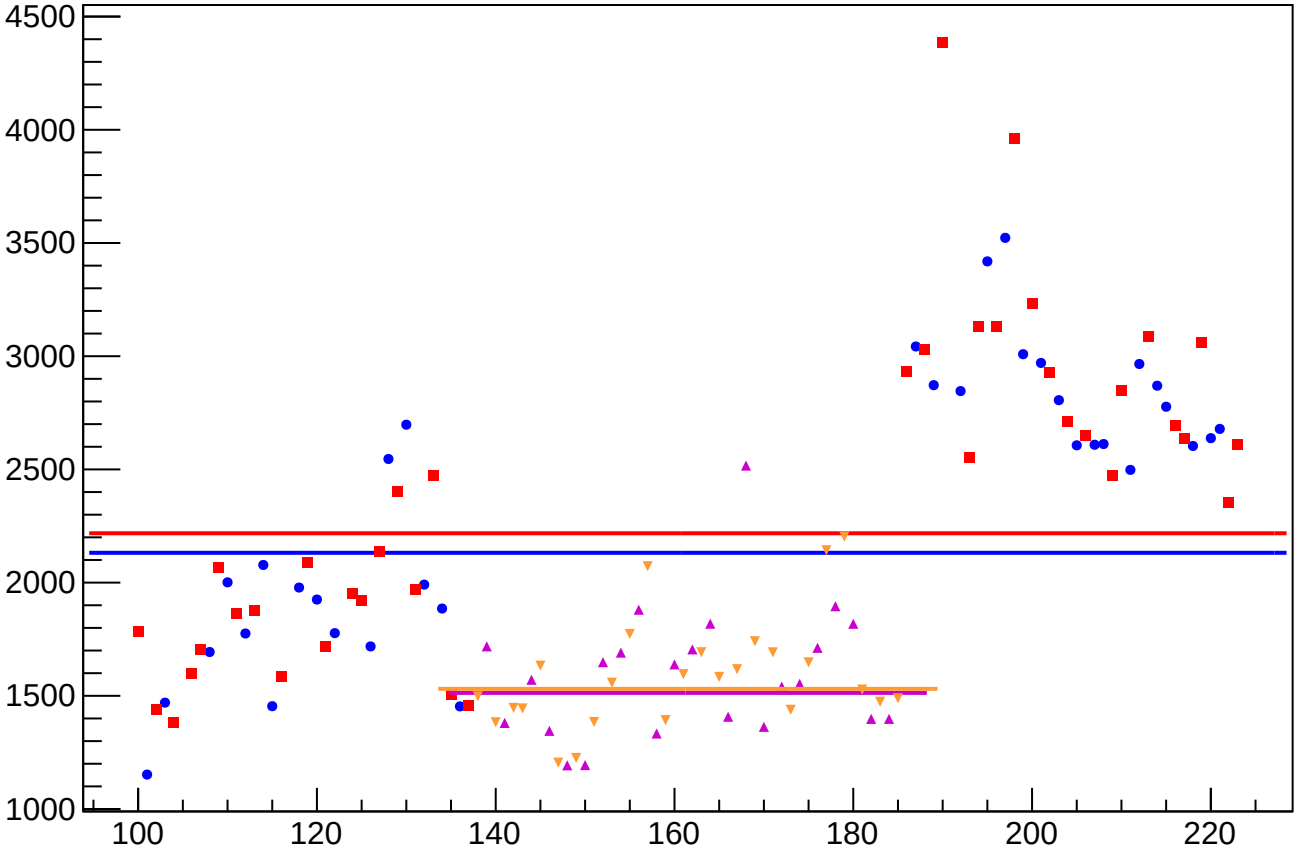
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 702.553+/-283.791 χ^2/NDF: 69.1/58

All: 590.060+/-202.426 χ^2/NDF: 119.9/119

\- sign 473.542+/-288.823 χ^2/NDF: 50.6/60

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2131.720+/-0.337 χ^2/NDF: 3788524.9/33

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

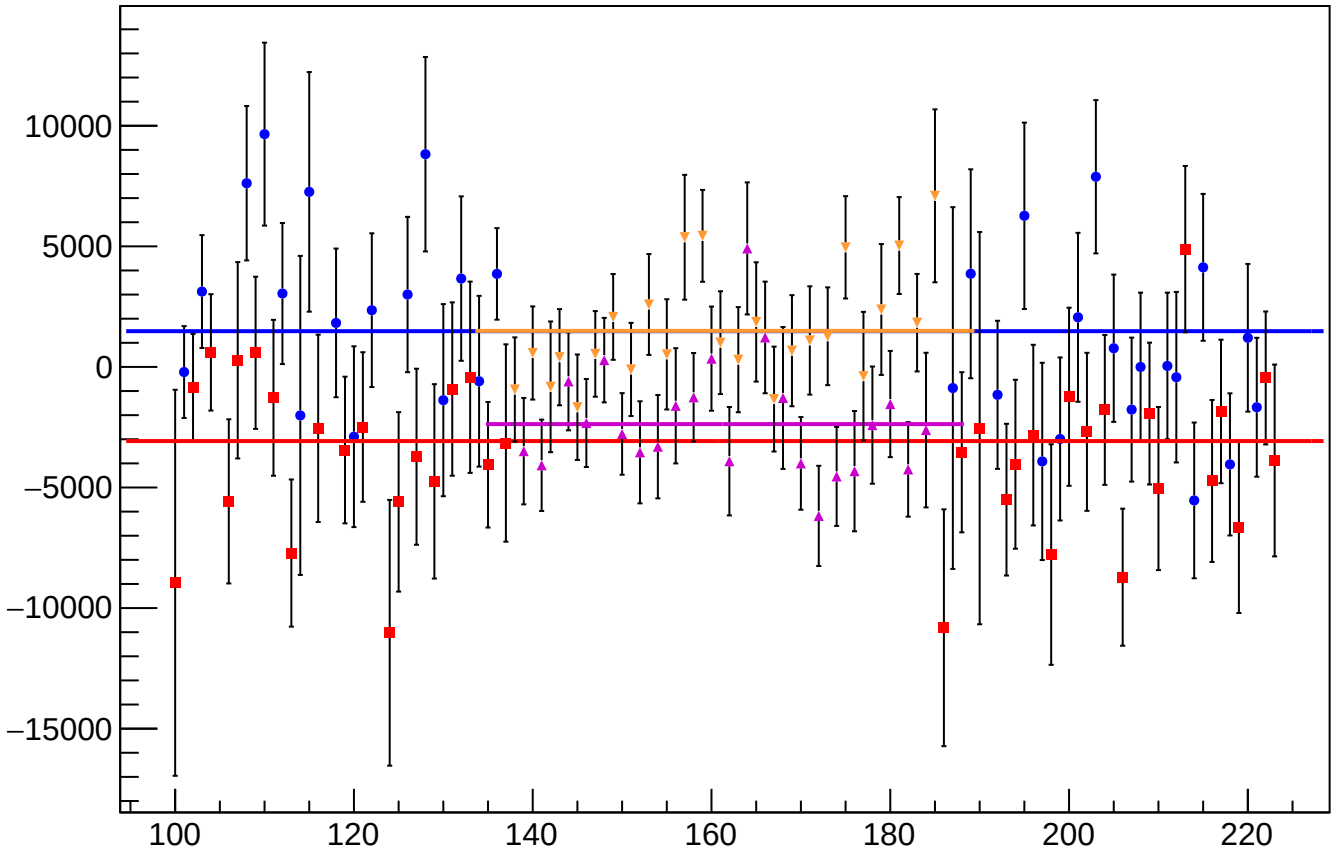
Right Out: 2217.973+/-0.344 χ^2/NDF: 3383495.7/37

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1744.169+/-0.201 χ^2/NDF: 6637962.1/58

All: 1752.914+/-0.143 χ^2/NDF: 13704892.9/1

- sign 1761.972+/-0.204 χ^2/NDF: 7063064.5/60



Right In: 1482.216+/-544.299 χ^2/NDF: 41.8/33

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3074.597+/-549.550 χ^2/NDF: 29.6/37

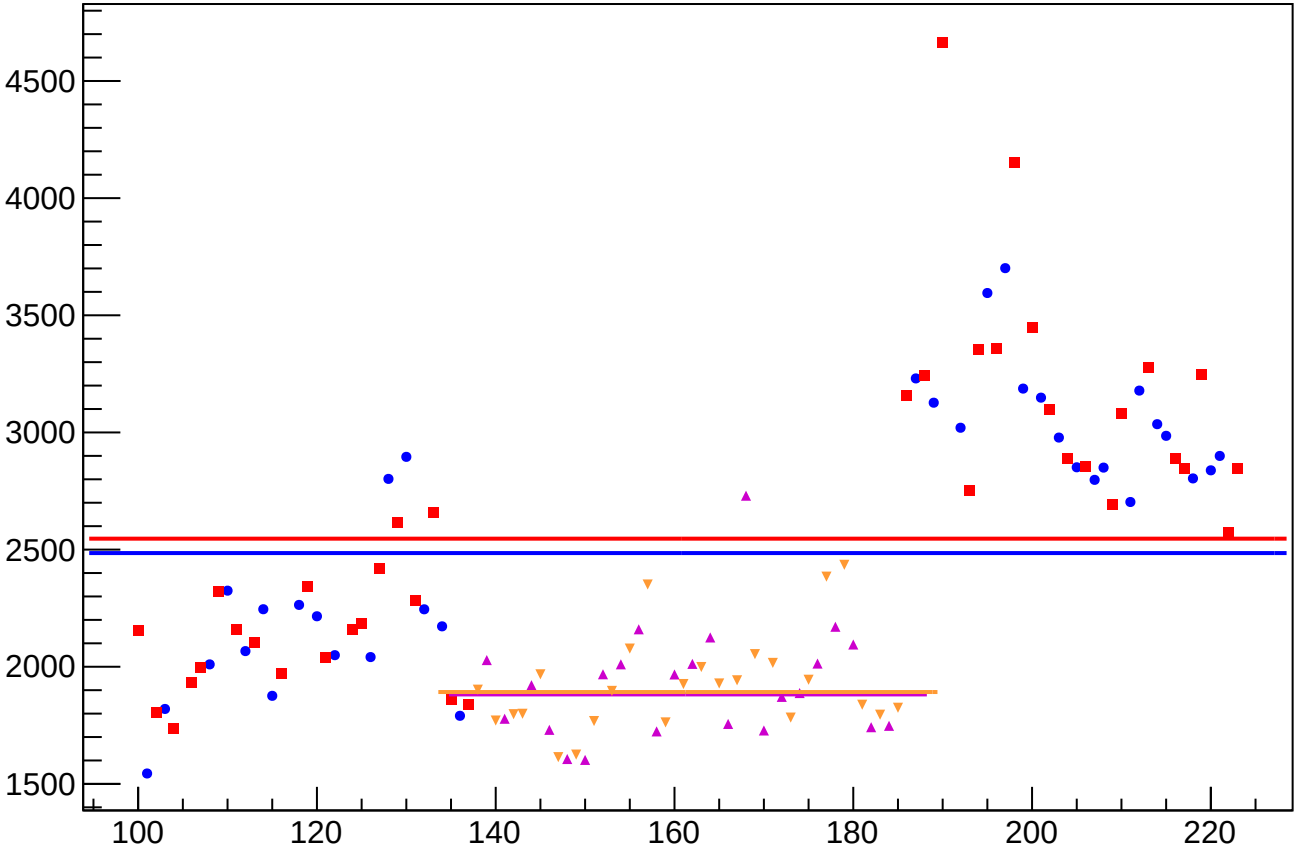
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1490.056+/-338.950 χ^2/NDF: 65.5/58

All: -543.093+/-241.740 χ^2/NDF: 193.1/119

- sign -2647.906+/-344.871 χ^2/NDF: 54.3/60

asym_usr_rms vs Slug



Right In: 2485.168+/-0.385 χ^2/NDF: 2234796.5/33

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

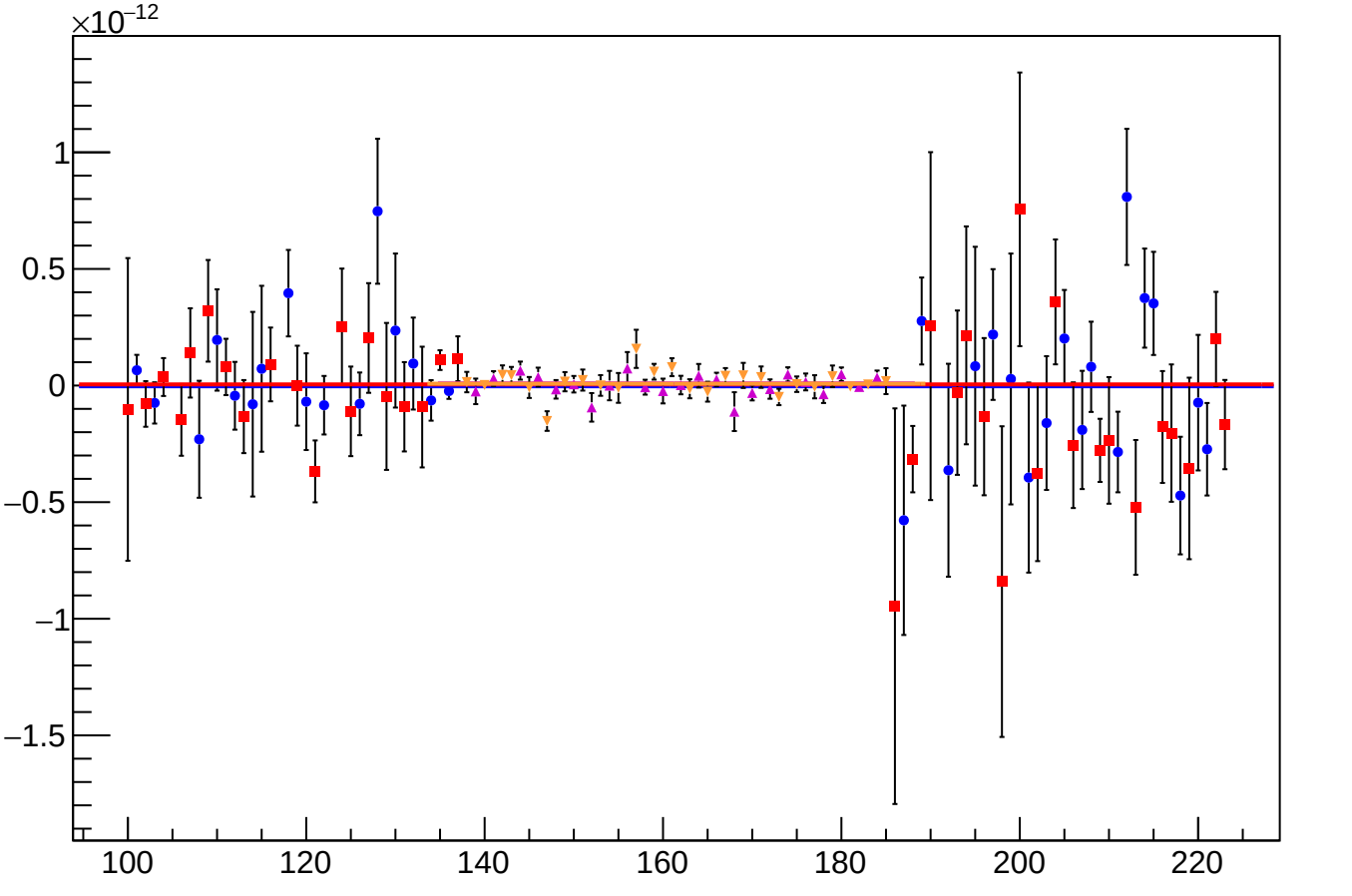
Right Out: 2546.674+/-0.389 χ^2/NDF: 2190364.2/37

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2122.095+/-0.240 χ^2/NDF: 4078029.1/58

All: 2132.709+/-0.171 χ^2/NDF: 8509128.2/11

- sign 2143.697+/-0.244 χ^2/NDF: 4427107.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 45.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

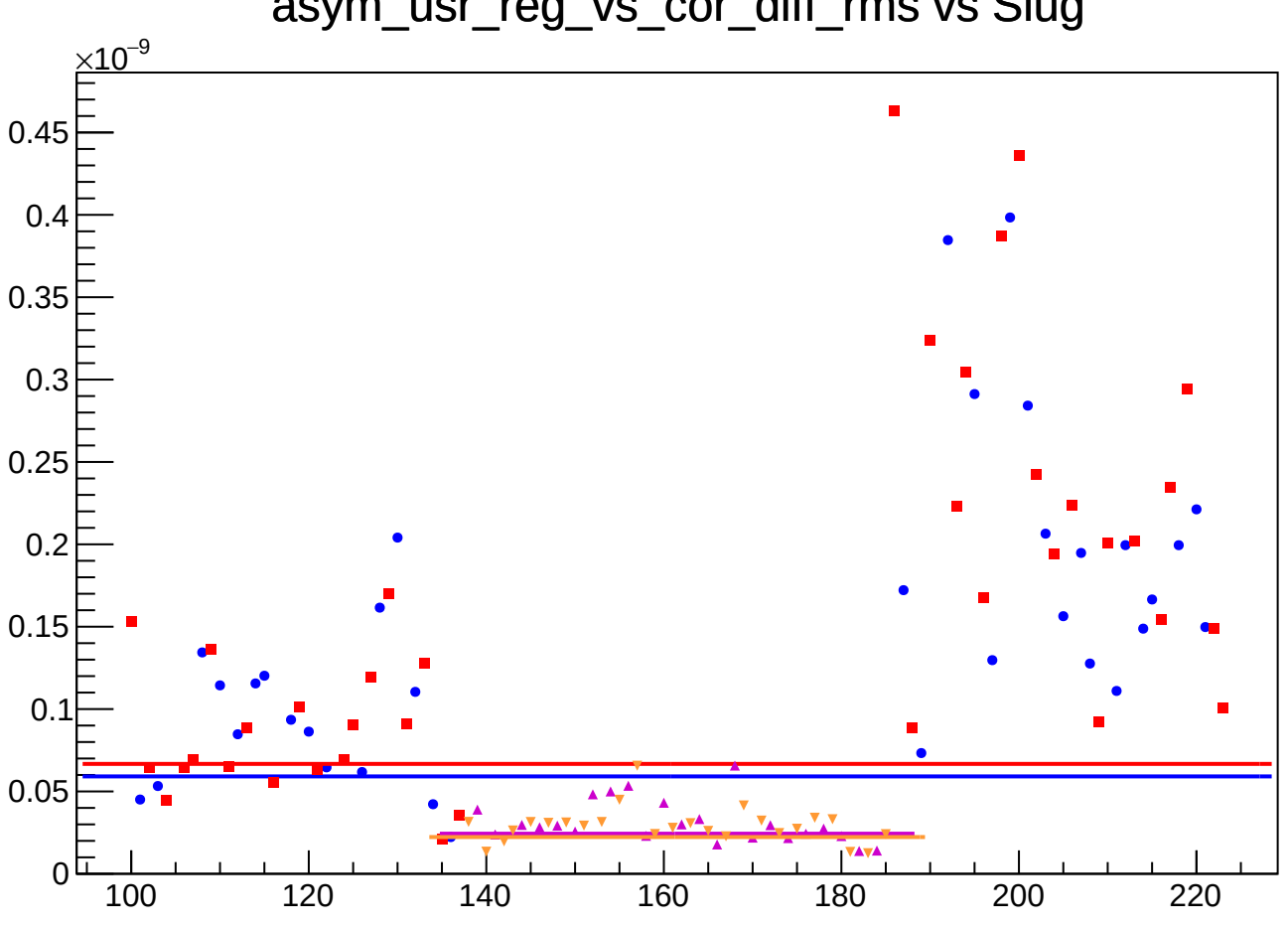
Right Out: 0.000+/-0.000 χ^2/NDF: 49.6/37

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.4/58

All: 0.000+/-0.000 χ^2/NDF: 147.2/119

- sign 0.000+/-0.000 χ^2/NDF: 68.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 11905256.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11150669.0/37

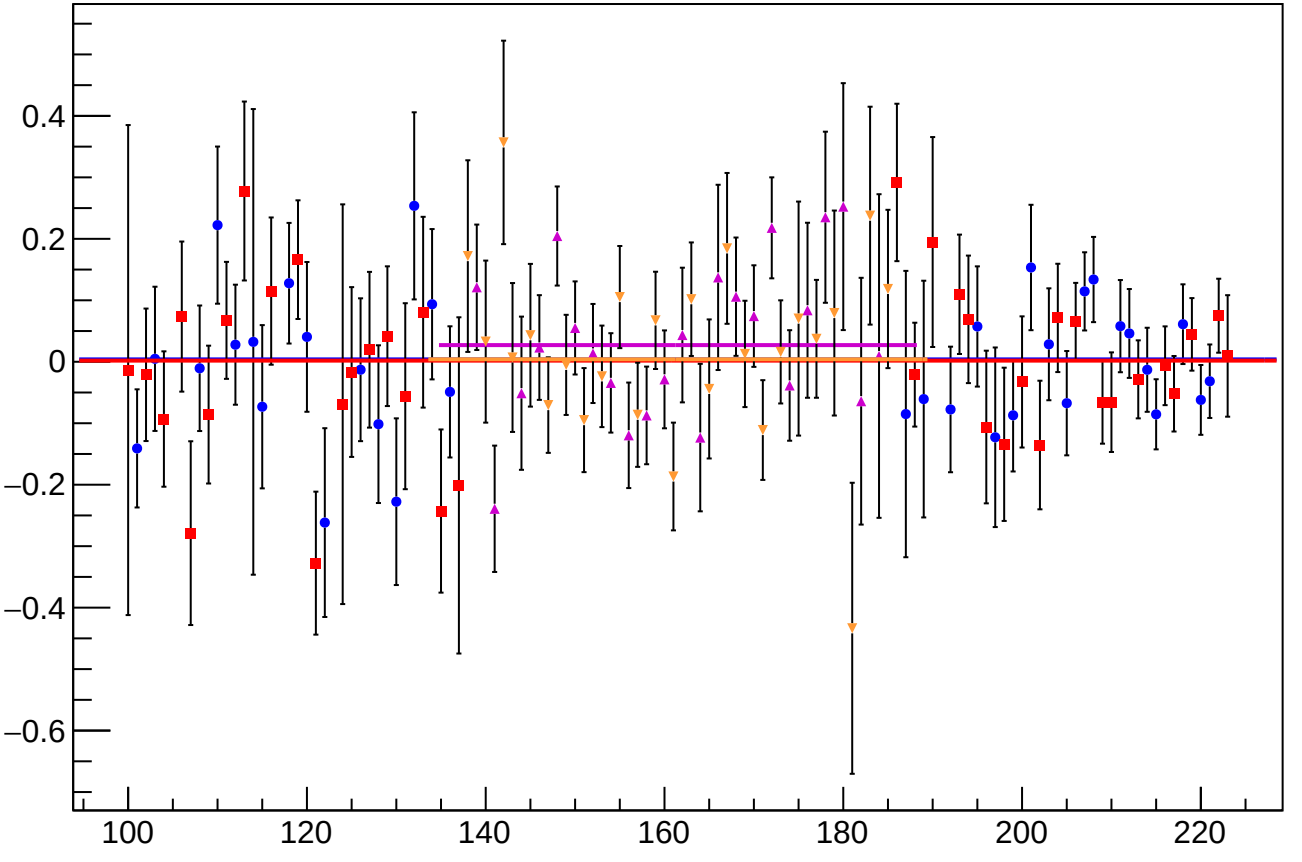
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 20436909.4/58

All: 0.000+/-0.000 χ^2/NDF: 40269170.3/119

- sign 0.000+/-0.000 χ^2/NDF: 19701138.8/60

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.016 χ^2/NDF: 44.0/37

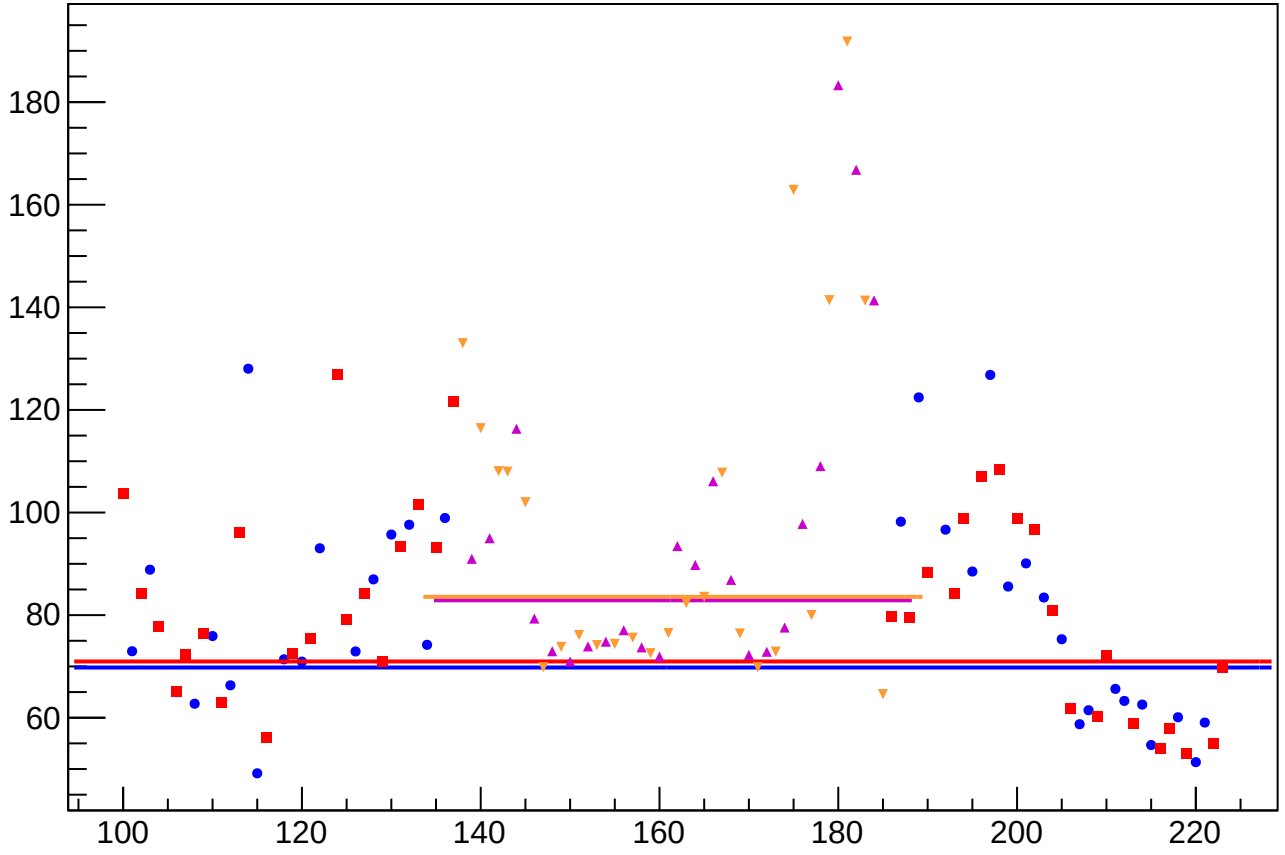
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.004+/-0.012 χ^2/NDF: 63.8/58

All: 0.008+/-0.009 χ^2/NDF: 140.9/119

- sign 0.011+/-0.012 χ^2/NDF: 76.9/60

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 69.789+/-0.011 χ^2/NDF: 2025403.7/33

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 70.967+/-0.011 χ^2/NDF: 2090432.1/37

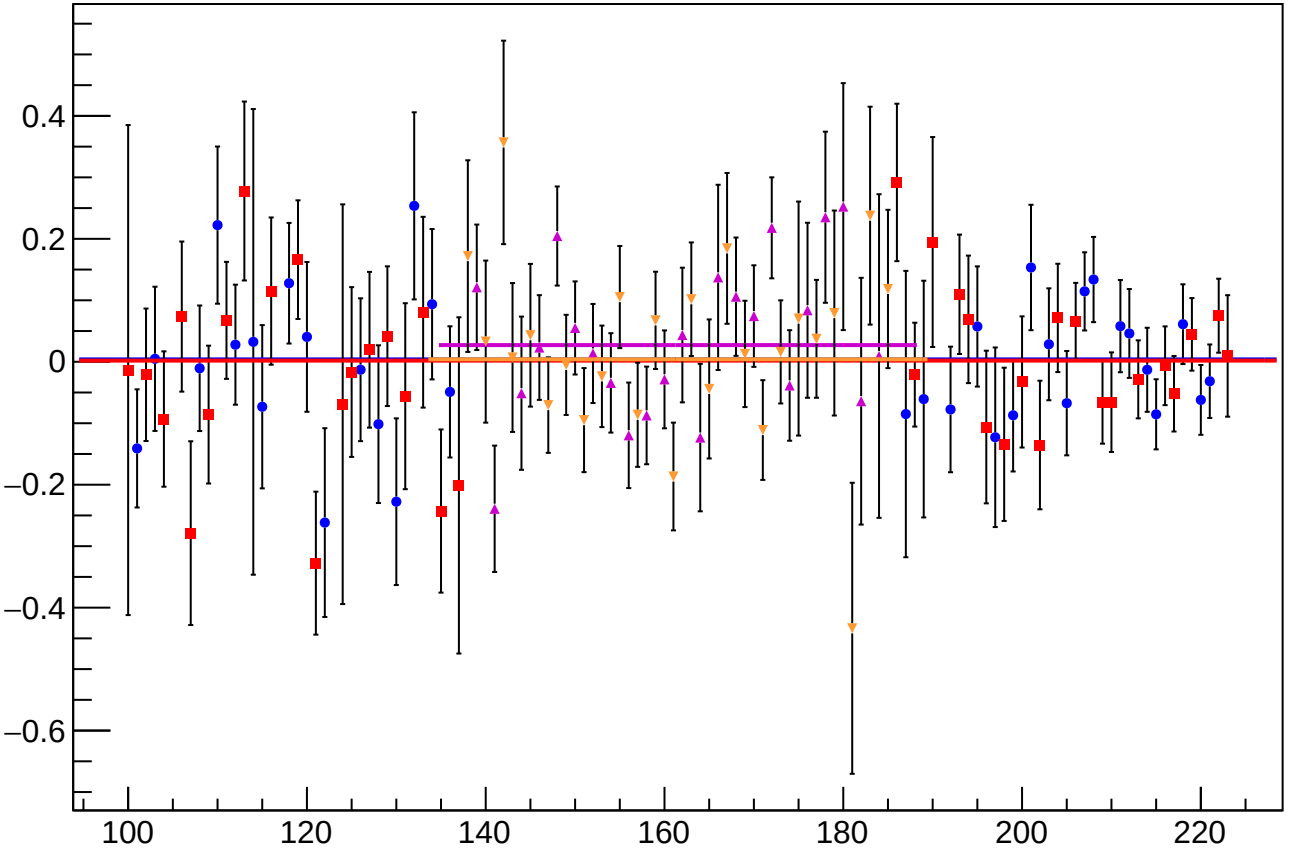
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 74.951+/-0.009 χ^2/NDF: 4774014.6/58

All: 75.157+/-0.006 χ^2/NDF: 8863627.4/119

- sign 75.364+/-0.009 χ^2/NDF: 4088512.2/60

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.016 χ^2/NDF: 44.0/37

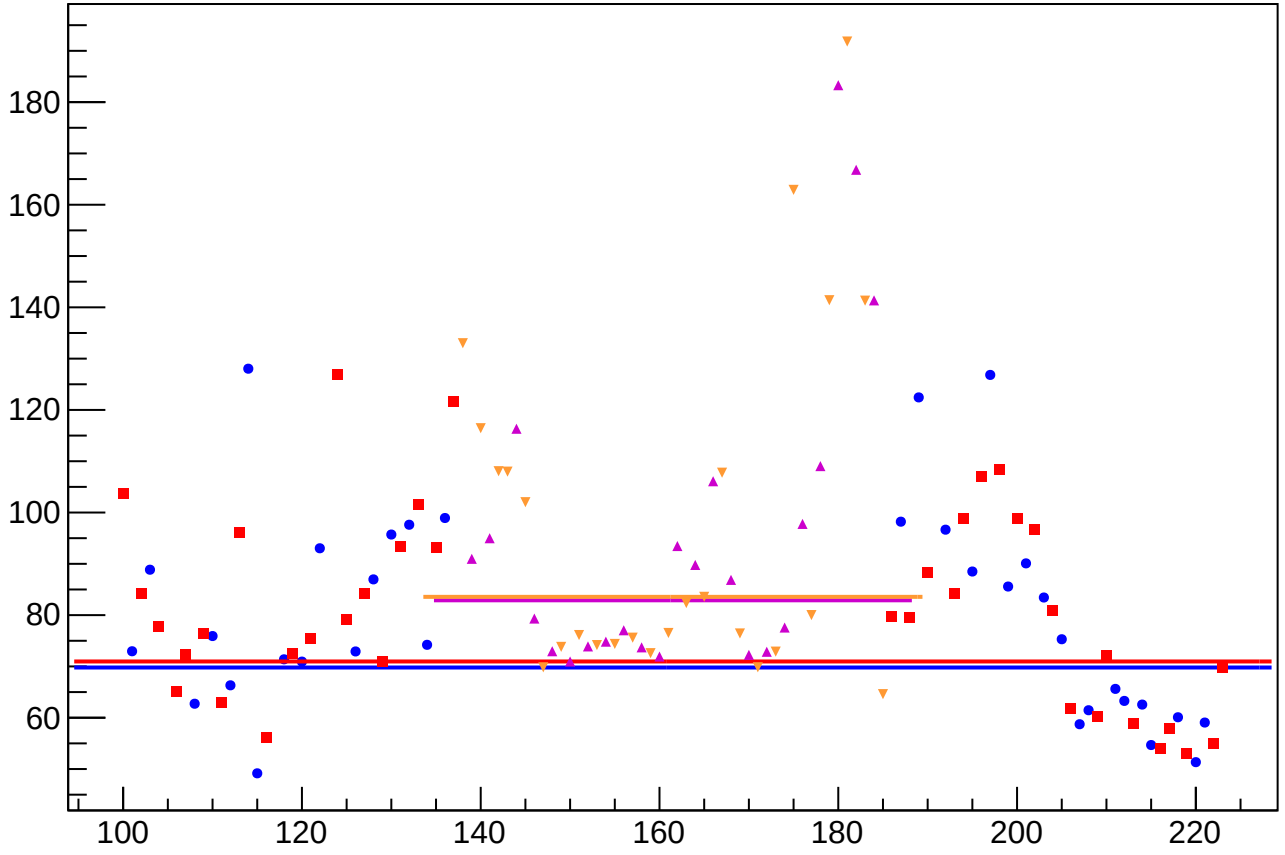
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.004+/-0.012 χ^2/NDF: 63.8/58

All: 0.008+/-0.009 χ^2/NDF: 140.9/119

- sign 0.011+/-0.012 χ^2/NDF: 76.9/60

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.789+/-0.011 χ^2/NDF: 2025403.7/33

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 70.967+/-0.011 χ^2/NDF: 2090432.1/37

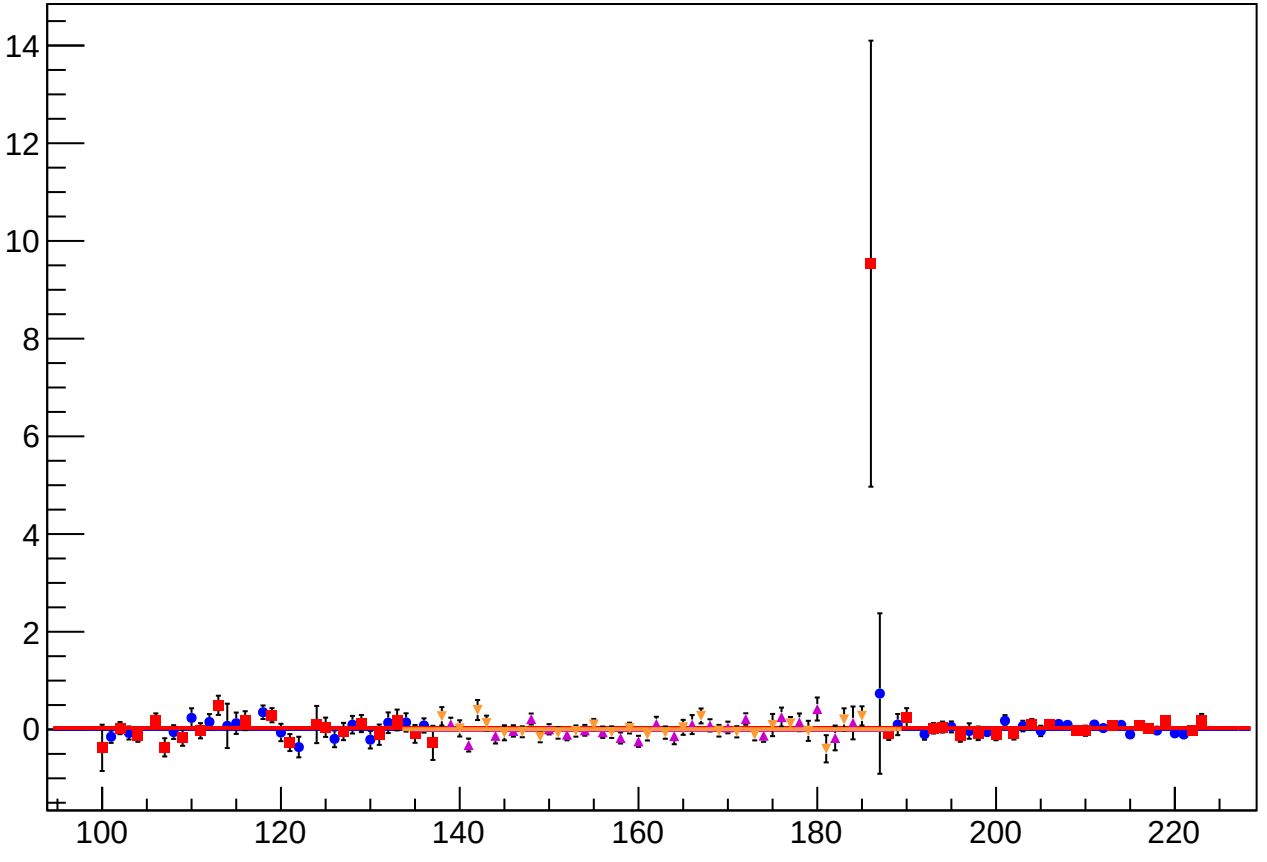
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 74.951+/-0.009 χ^2/NDF: 4774014.6/58

All: 75.157+/-0.006 χ^2/NDF: 8863627.4/119

\- sign 75.364+/-0.009 χ^2/NDF: 4088512.2/60

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.011+/-0.021 χ^2/NDF: 32.0/33

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.030+/-0.021 χ^2/NDF: 42.1/37

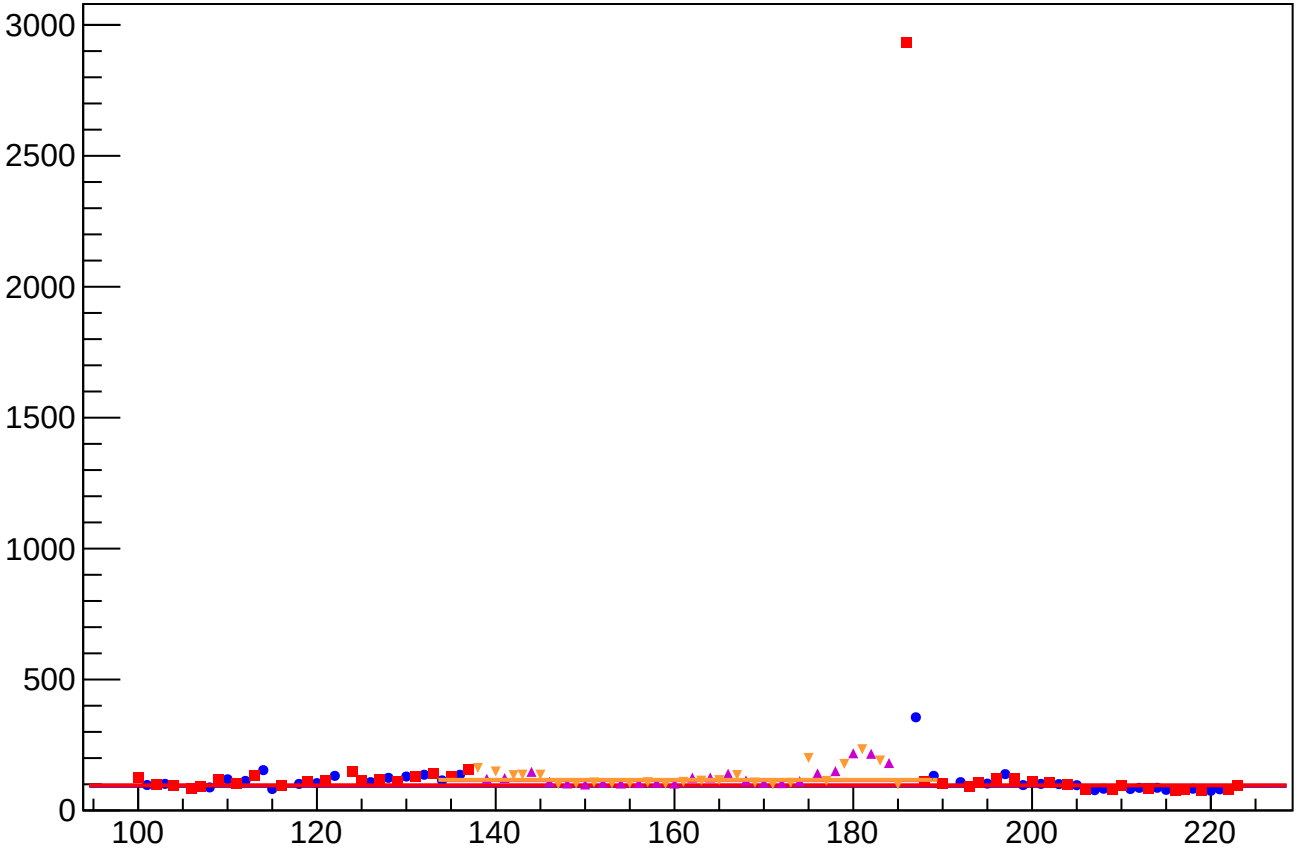
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.009+/-0.017 χ^2/NDF: 53.3/58

All: 0.012+/-0.012 χ^2/NDF: 128.1/119

- sign 0.016+/-0.017 χ^2/NDF: 74.7/60

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 94.074+/-0.015 χ^2/NDF: 1371816.6/33

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

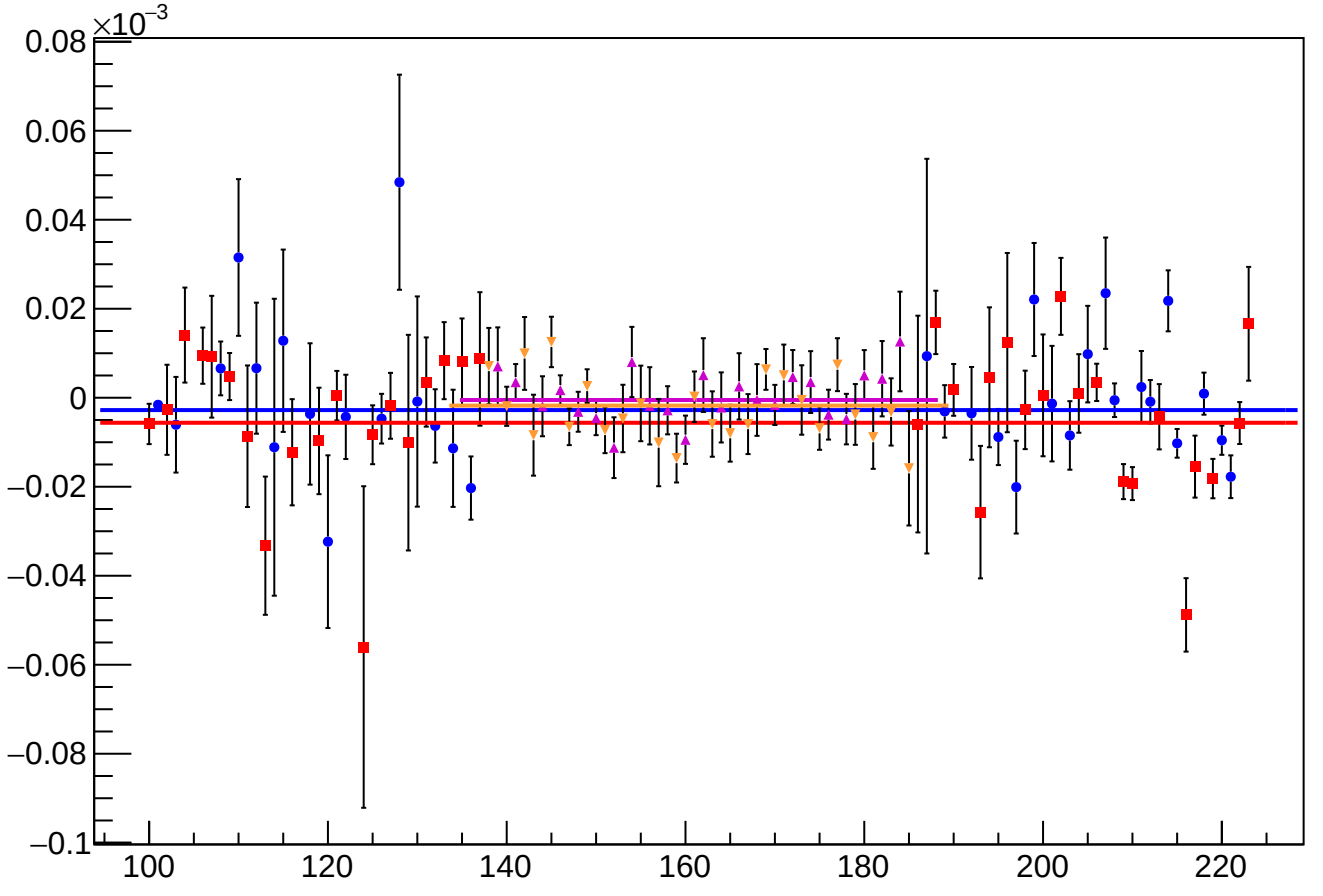
Right Out: 95.879+/-0.015 χ^2/NDF: 2061105.9/37

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 102.296+/-0.012 χ^2/NDF: 3831816.8/58

All: 102.651+/-0.008 χ^2/NDF: 7773164.9/119

- sign 103.013+/-0.012 χ^2/NDF: 3939513.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 69.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 124.2/37

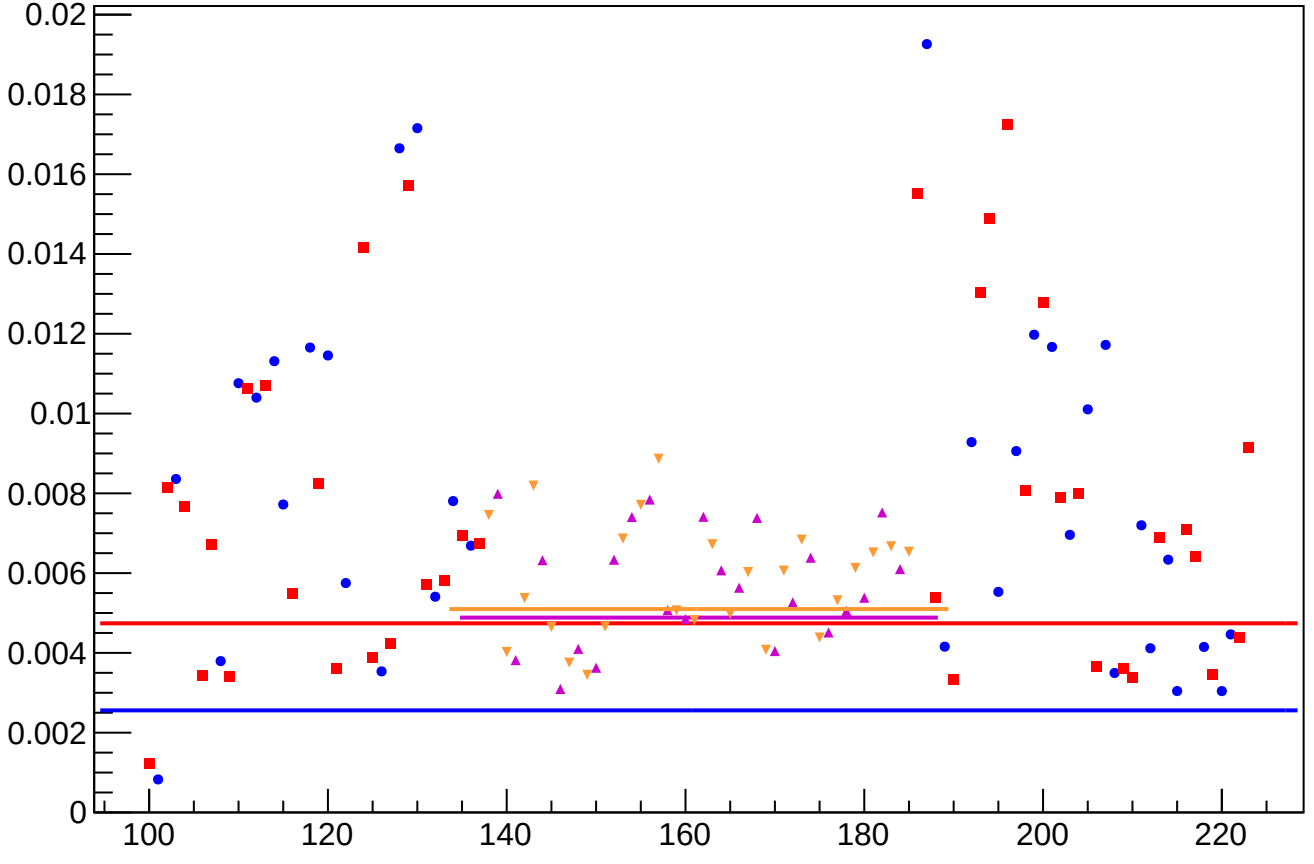
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 101.4/58

All: -0.000+/-0.000 χ^2/NDF: 250.9/119

- sign -0.000+/-0.000 χ^2/NDF: 149.1/60

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 20946446.6/33

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 9146171.5/37

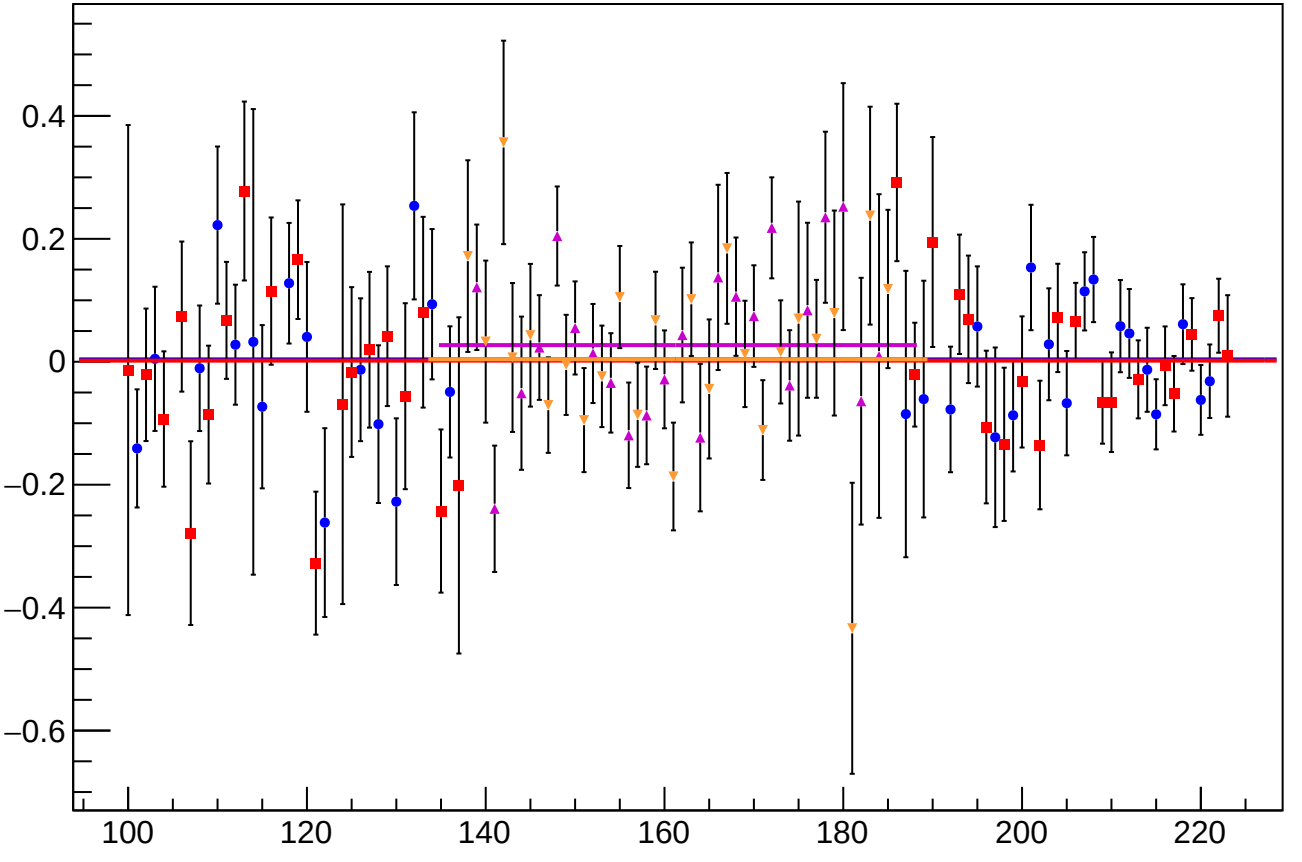
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 29487364.2/58

All: 0.004+/-0.000 χ^2/NDF: 45291346.5/119

- sign 0.005+/-0.000 χ^2/NDF: 11886235.2/60

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.016 χ^2/NDF: 44.0/37

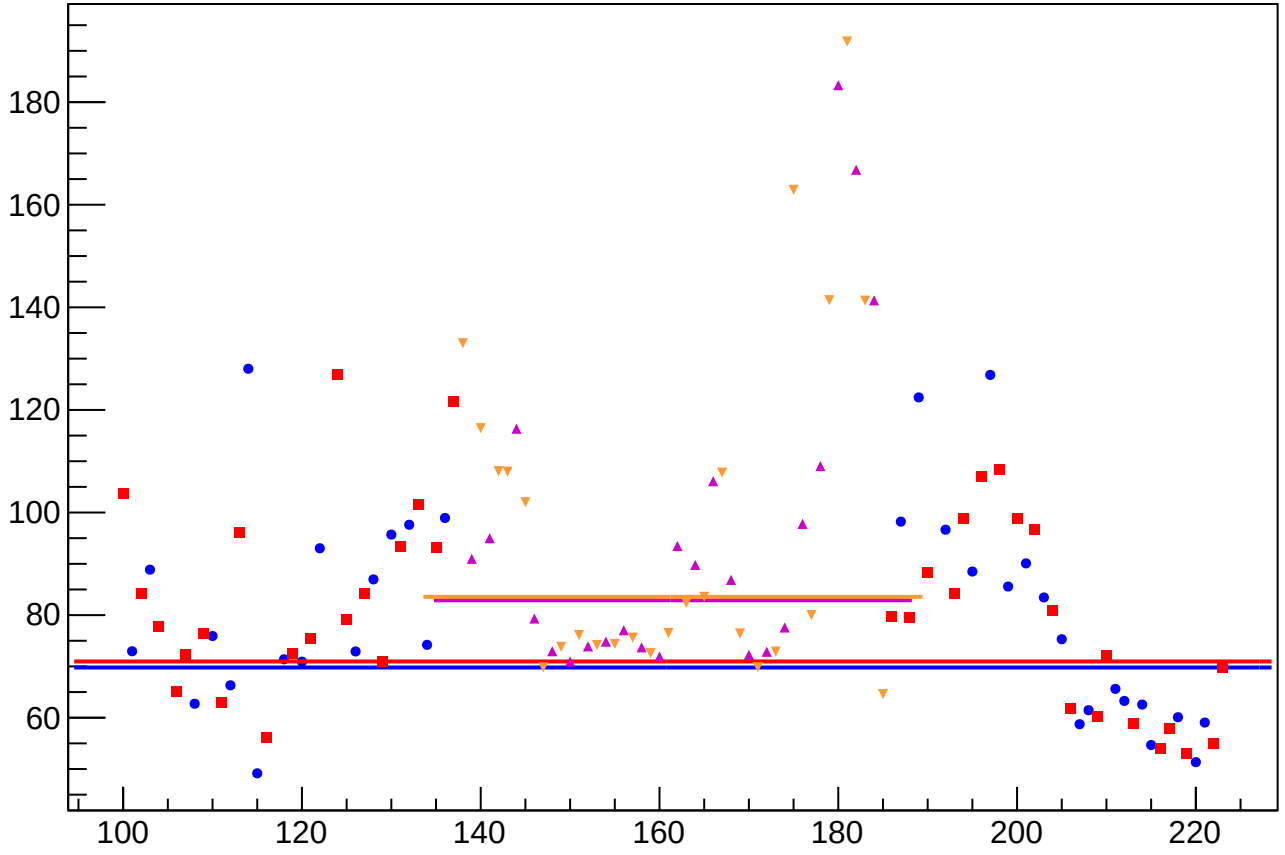
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.004+/-0.012 χ^2/NDF: 63.8/58

All: 0.008+/-0.009 χ^2/NDF: 140.9/119

- sign 0.011+/-0.012 χ^2/NDF: 76.9/60

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.790+/-0.011 χ^2/NDF: 2025248.2/33

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

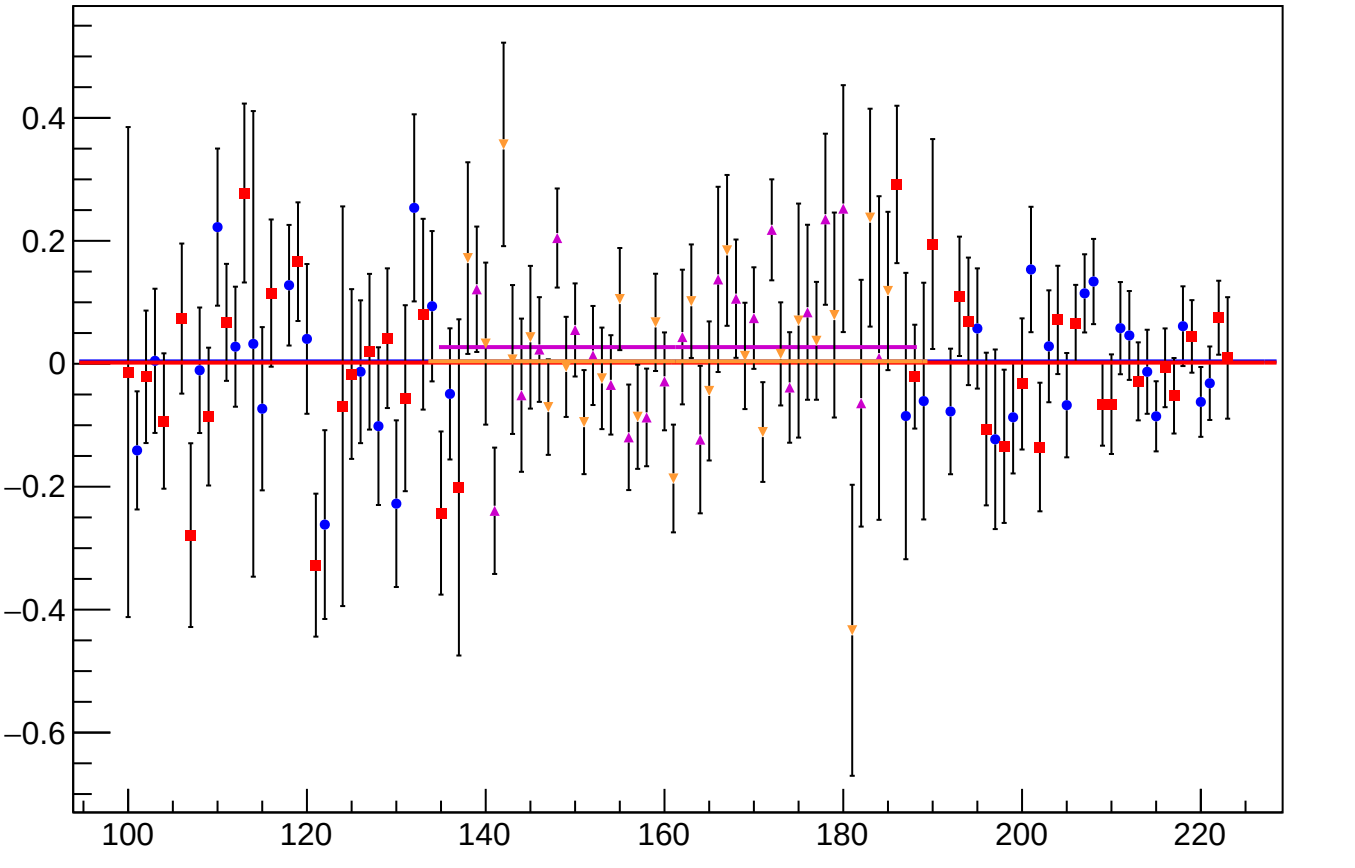
Right Out: 70.967+/-0.011 χ^2/NDF: 2090357.6/37

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

\+ sign 74.952+/-0.009 χ^2/NDF: 4773850.3/58

All: 75.157+/-0.006 χ^2/NDF: 8863425.7/119

\- sign 75.364+/-0.009 χ^2/NDF: 4088478.8/60



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.016 χ^2/NDF: 44.0/37

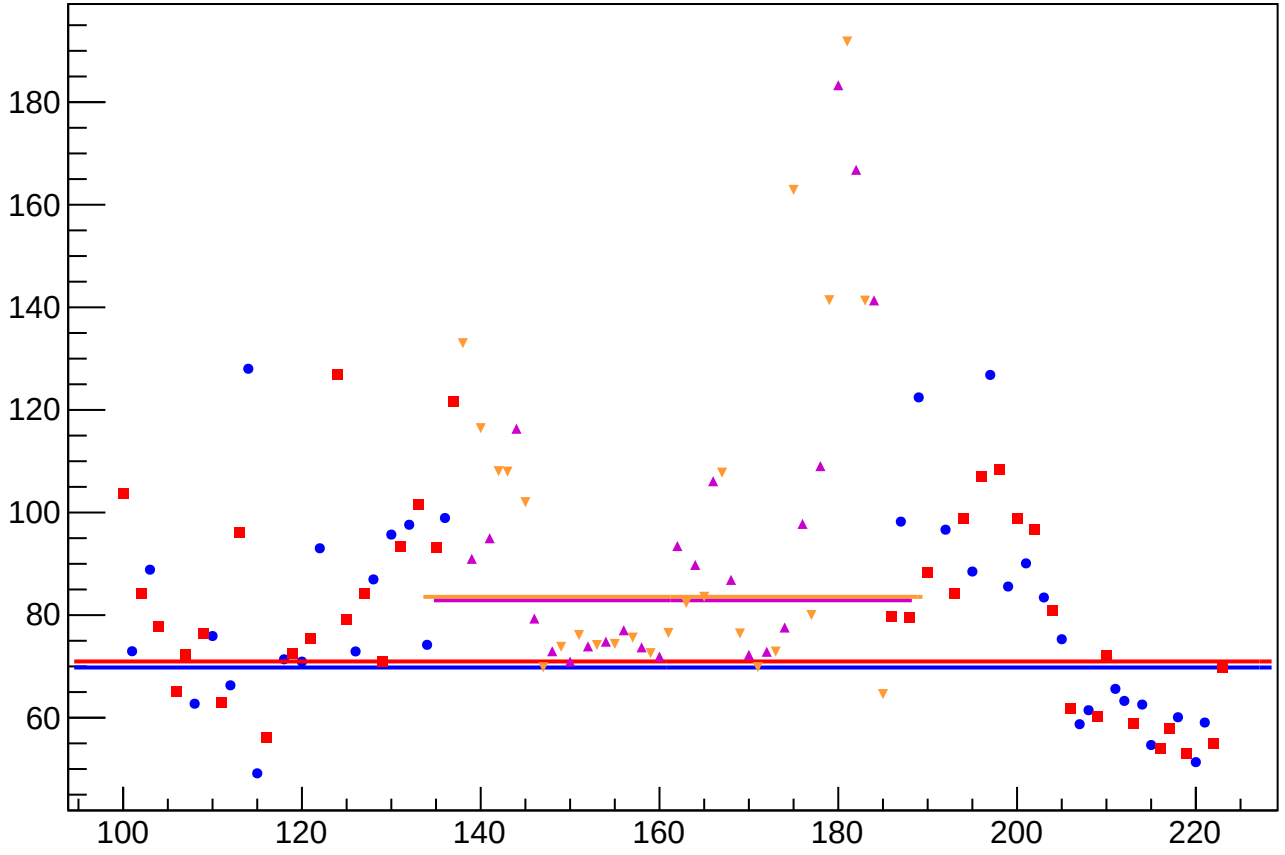
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.004+/-0.012 χ^2/NDF: 63.8/58

All: 0.008+/-0.009 χ^2/NDF: 140.9/119

- sign 0.011+/-0.012 χ^2/NDF: 76.9/60

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.790+/-0.011 χ^2/NDF: 2025248.2/33

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

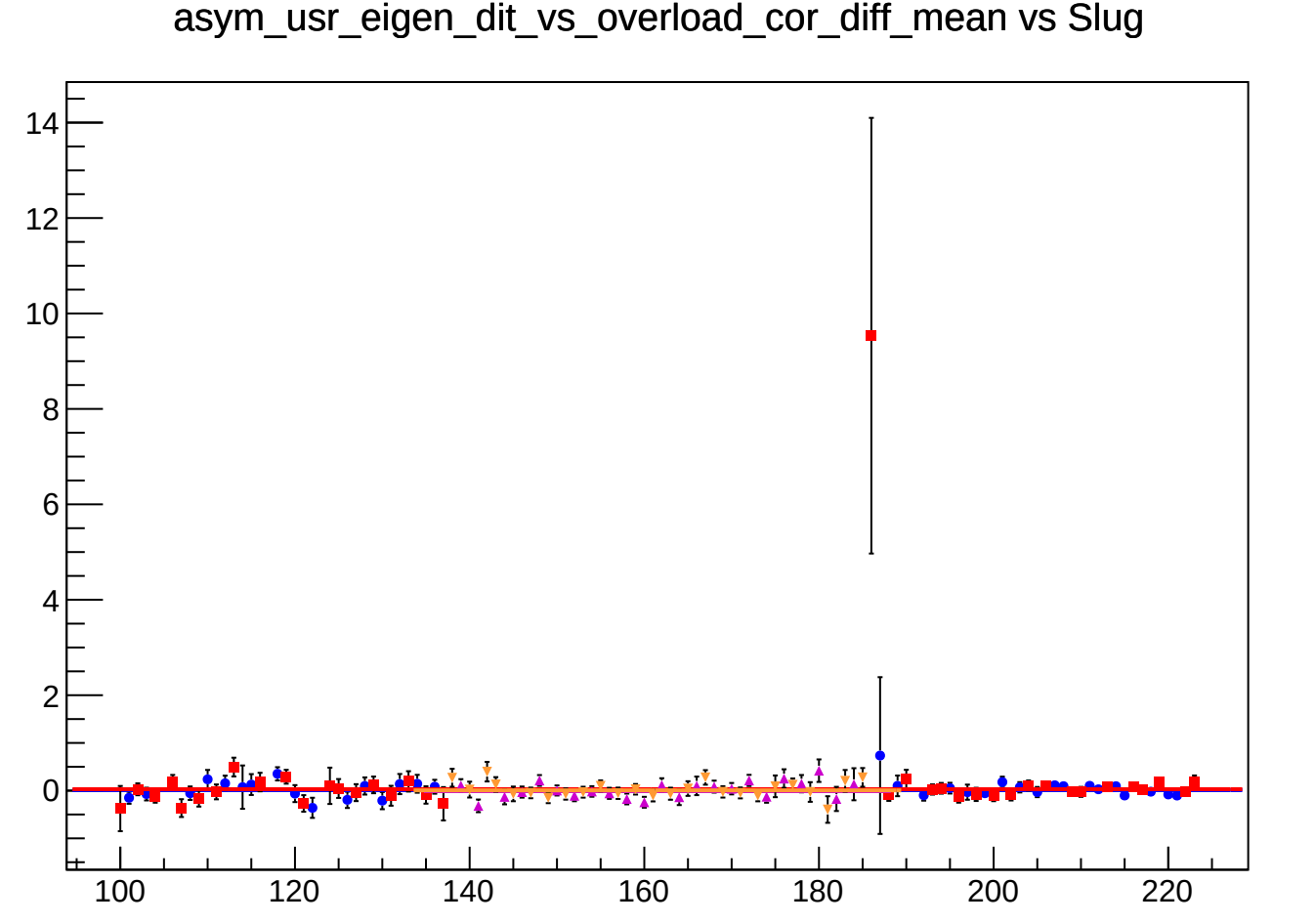
Right Out: 70.967+/-0.011 χ^2/NDF: 2090357.6/37

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

\+ sign 74.952+/-0.009 χ^2/NDF: 4773850.3/58

All: 75.157+/-0.006 χ^2/NDF: 8863425.7/119

\- sign 75.364+/-0.009 χ^2/NDF: 4088478.8/60



Right In: 0.011+/-0.021 χ^2/NDF: 32.0/33

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.030+/-0.021 χ^2/NDF: 42.1/37

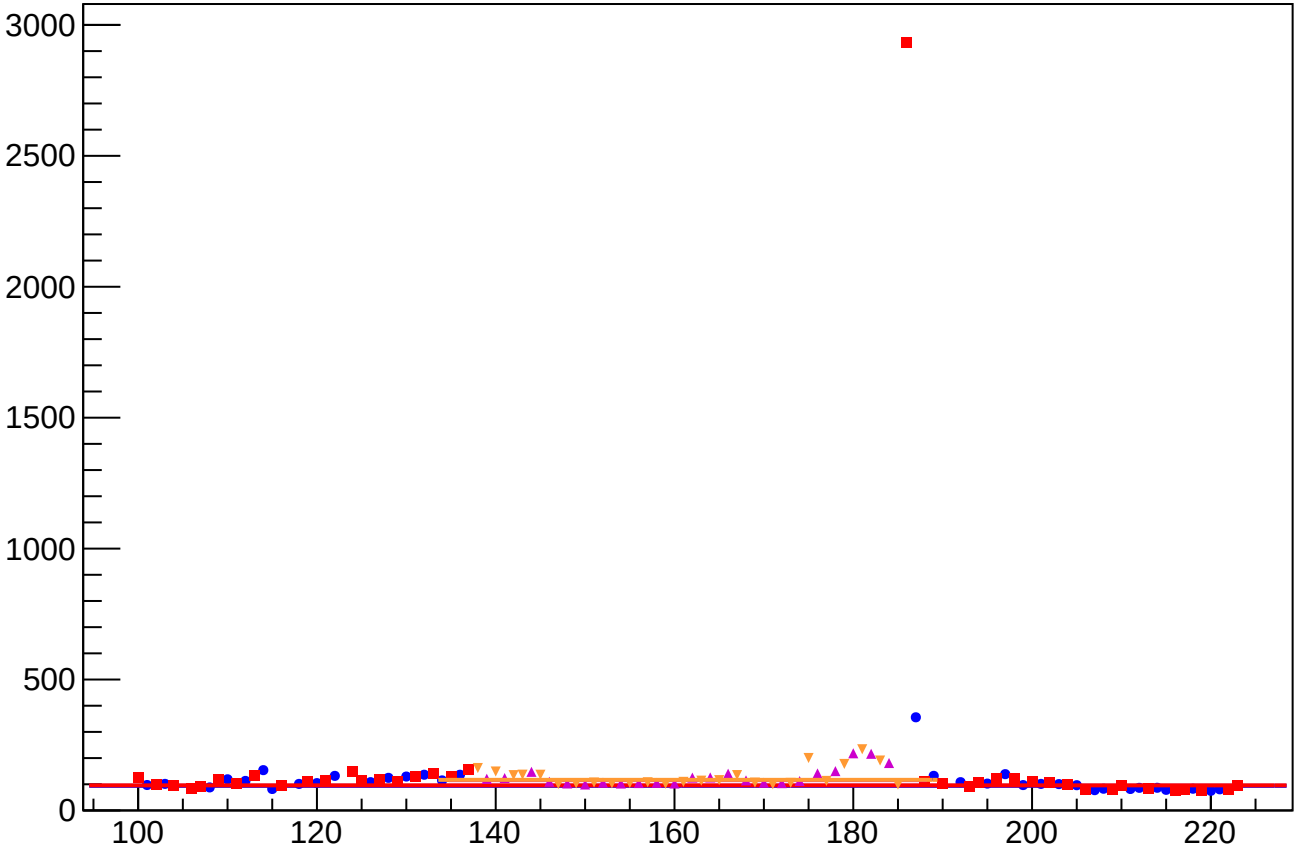
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.009+/-0.017 χ^2/NDF: 53.3/58

All: 0.012+/-0.012 χ^2/NDF: 128.1/119

- sign 0.016+/-0.017 χ^2/NDF: 74.7/60

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 94.075+/-0.015 χ^2/NDF: 1371688.3/33

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 95.879+/-0.015 χ^2/NDF: 2061044.6/37

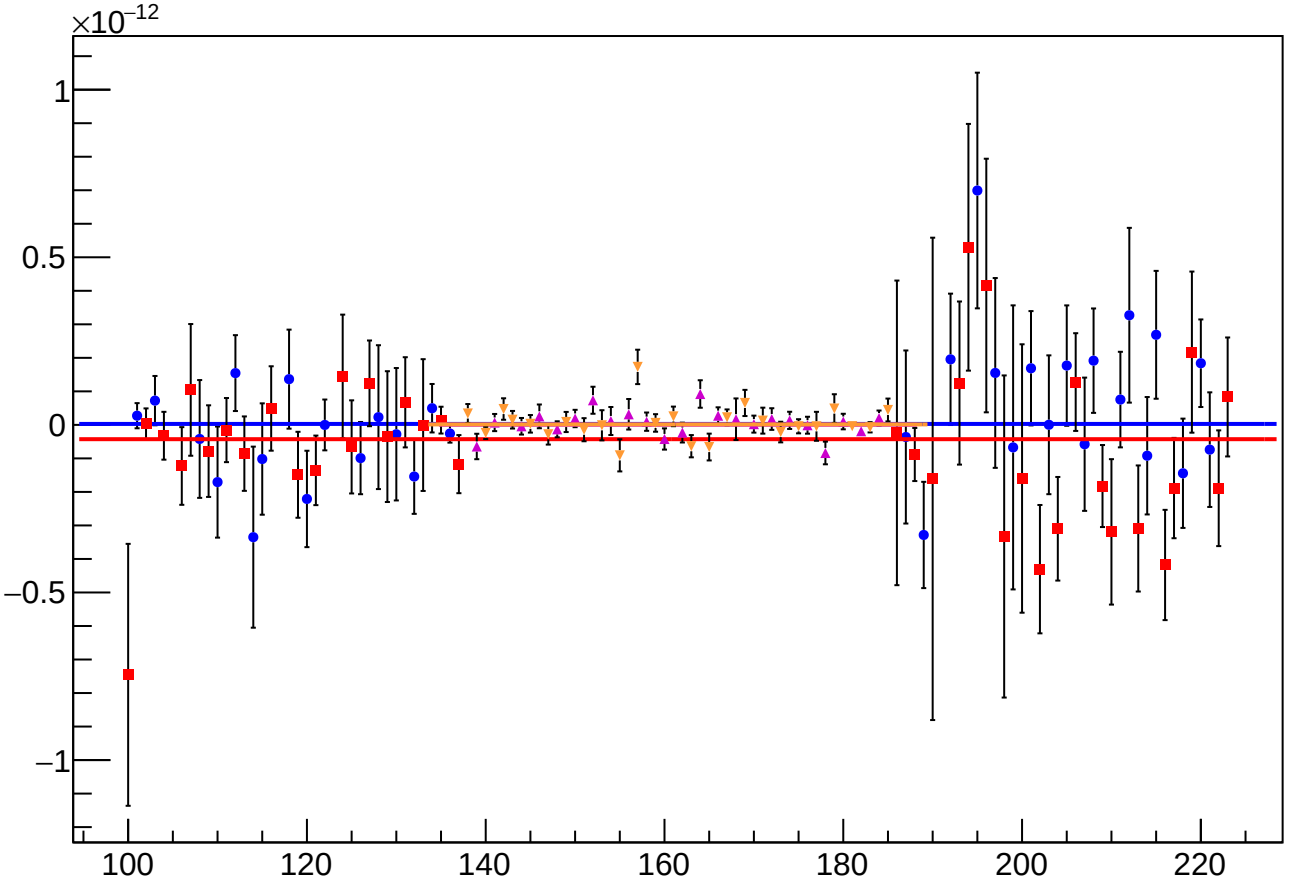
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 102.296+/-0.012 χ^2/NDF: 3831675.4/58

All: 102.651+/-0.008 χ^2/NDF: 7772984.4/119

- sign 103.013+/-0.012 χ^2/NDF: 3939477.1/60

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.9/37

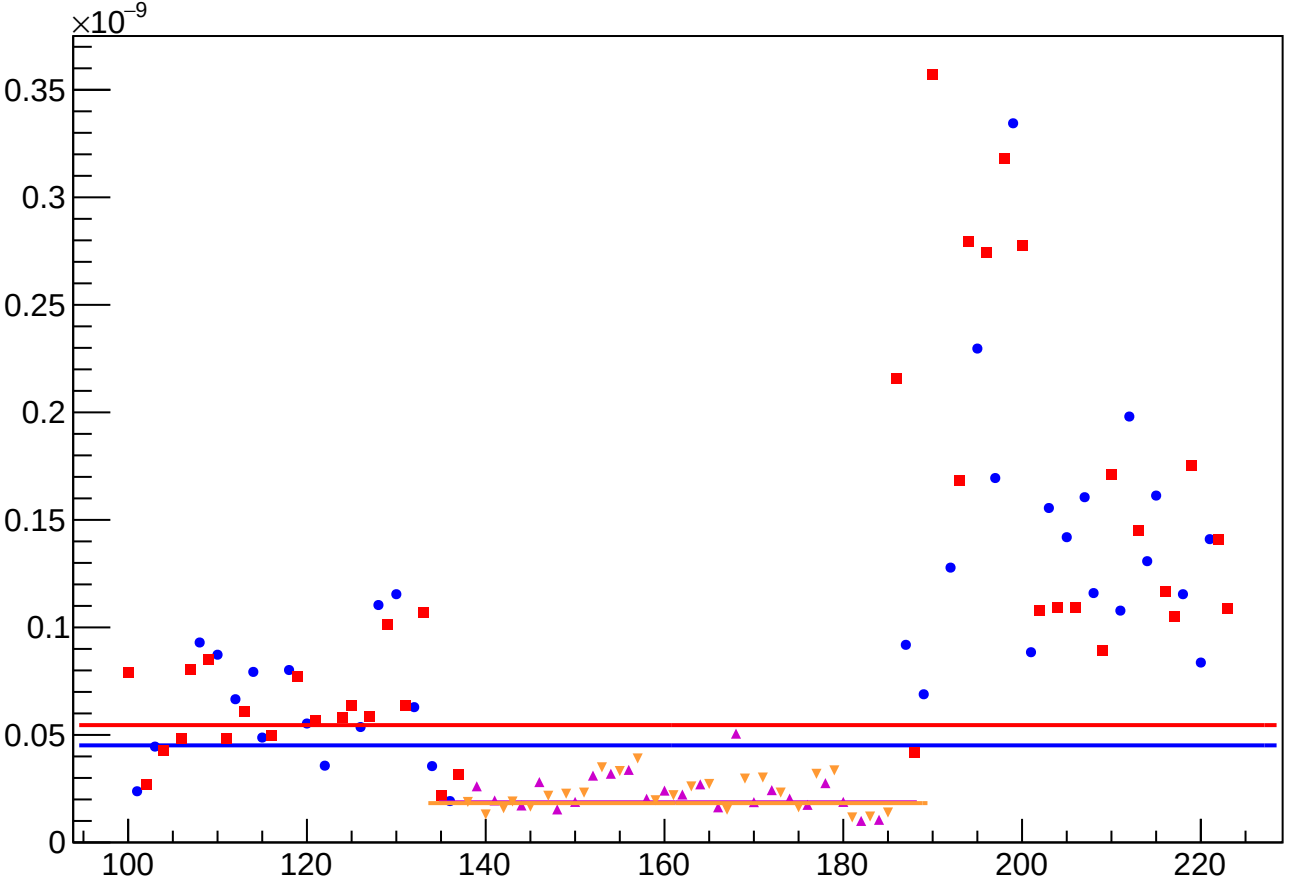
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/58

All: -0.000+/-0.000 χ^2/NDF: 143.5/119

- sign -0.000+/-0.000 χ^2/NDF: 72.6/60

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11702352.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

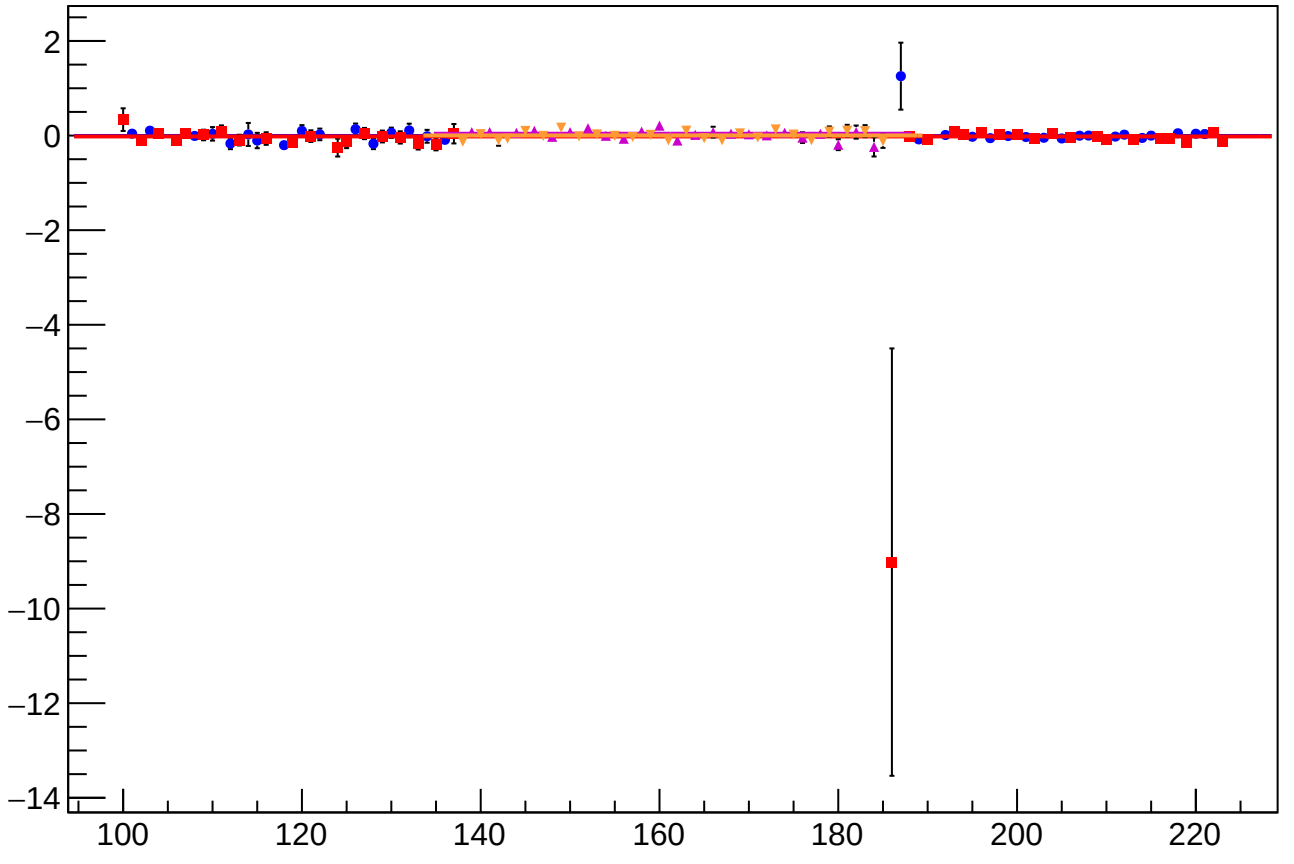
Right Out: 0.000+/-0.000 χ^2/NDF: 10114996.6/37

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 19464795.5/58

All: 0.000+/-0.000 χ^2/NDF: 39231303.2/119

- sign 0.000+/-0.000 χ^2/NDF: 19744168.9/60



Right In: -0.009+/-0.011 χ^2/NDF: 27.9/33

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.018+/-0.011 χ^2/NDF: 51.7/37

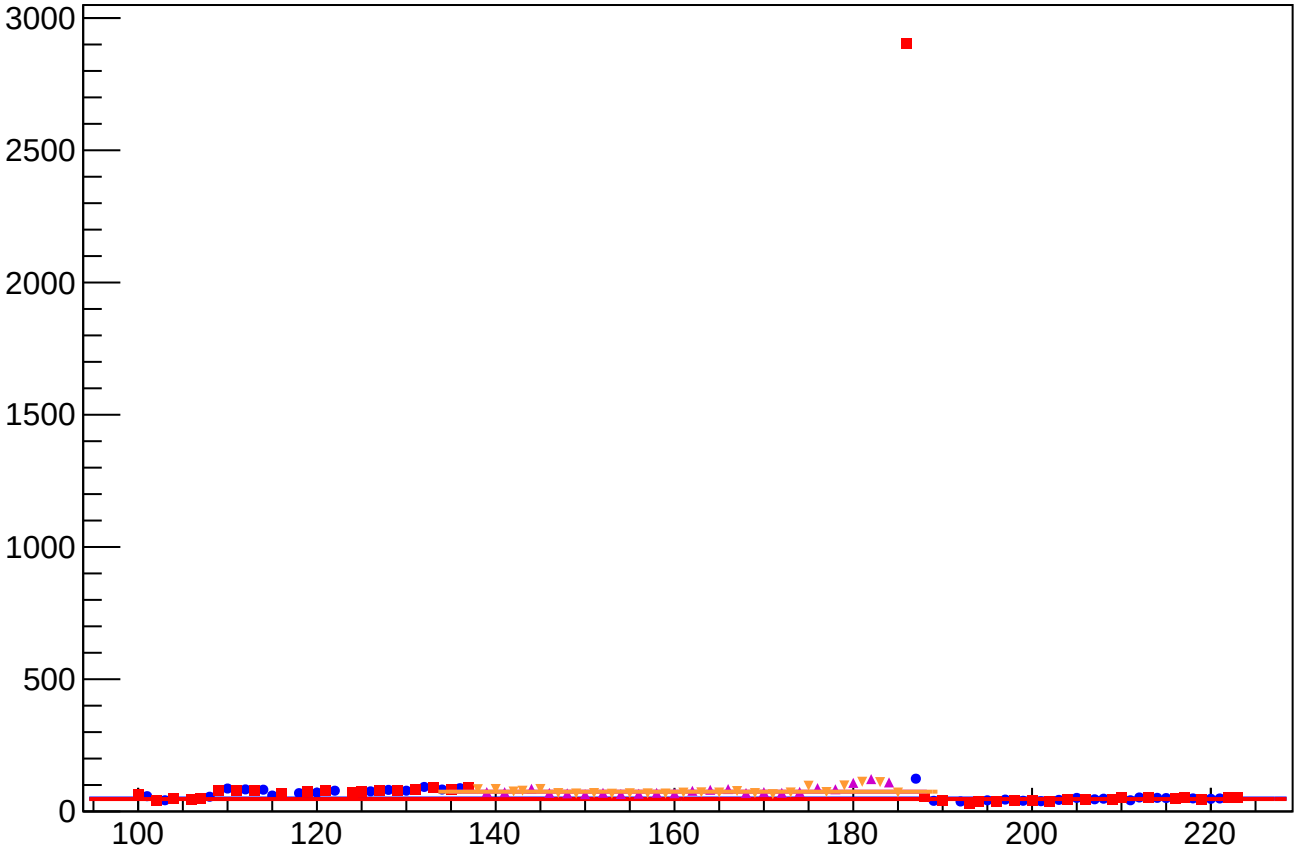
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.005+/-0.009 χ^2/NDF: 49.7/58

All: -0.004+/-0.007 χ^2/NDF: 130.5/119

- sign -0.004+/-0.009 χ^2/NDF: 80.8/60

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.914+/-0.008 χ^2/NDF: 2300290.3/33

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

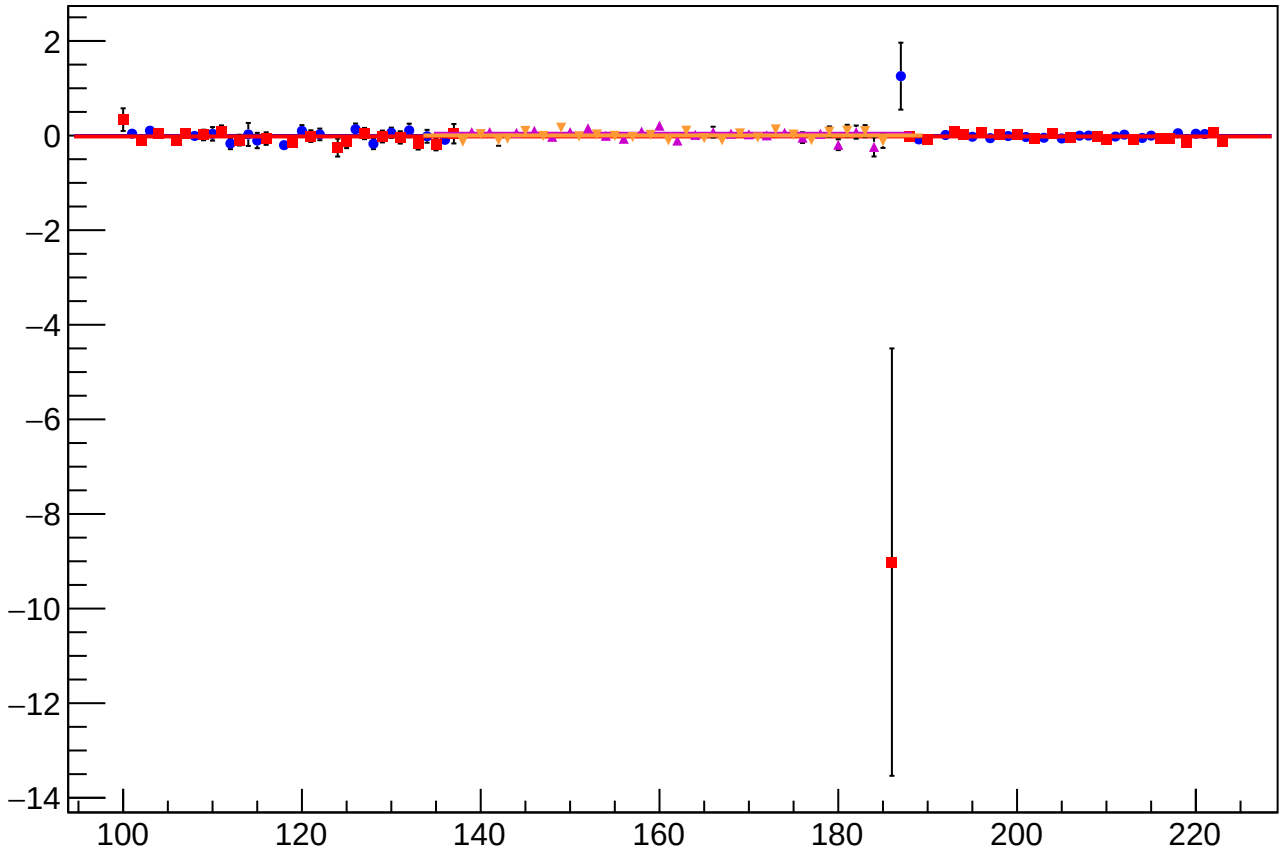
Right Out: 46.876+/-0.008 χ^2/NDF: 3738875.2/37

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 56.290+/-0.007 χ^2/NDF: 6185504.1/58

All: 55.184+/-0.005 χ^2/NDF: 14247611.1/119

- sign 54.119+/-0.006 χ^2/NDF: 8006731.6/60



Right In: -0.009+/-0.011 χ^2/NDF: 27.9/33

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.018+/-0.011 χ^2/NDF: 51.7/37

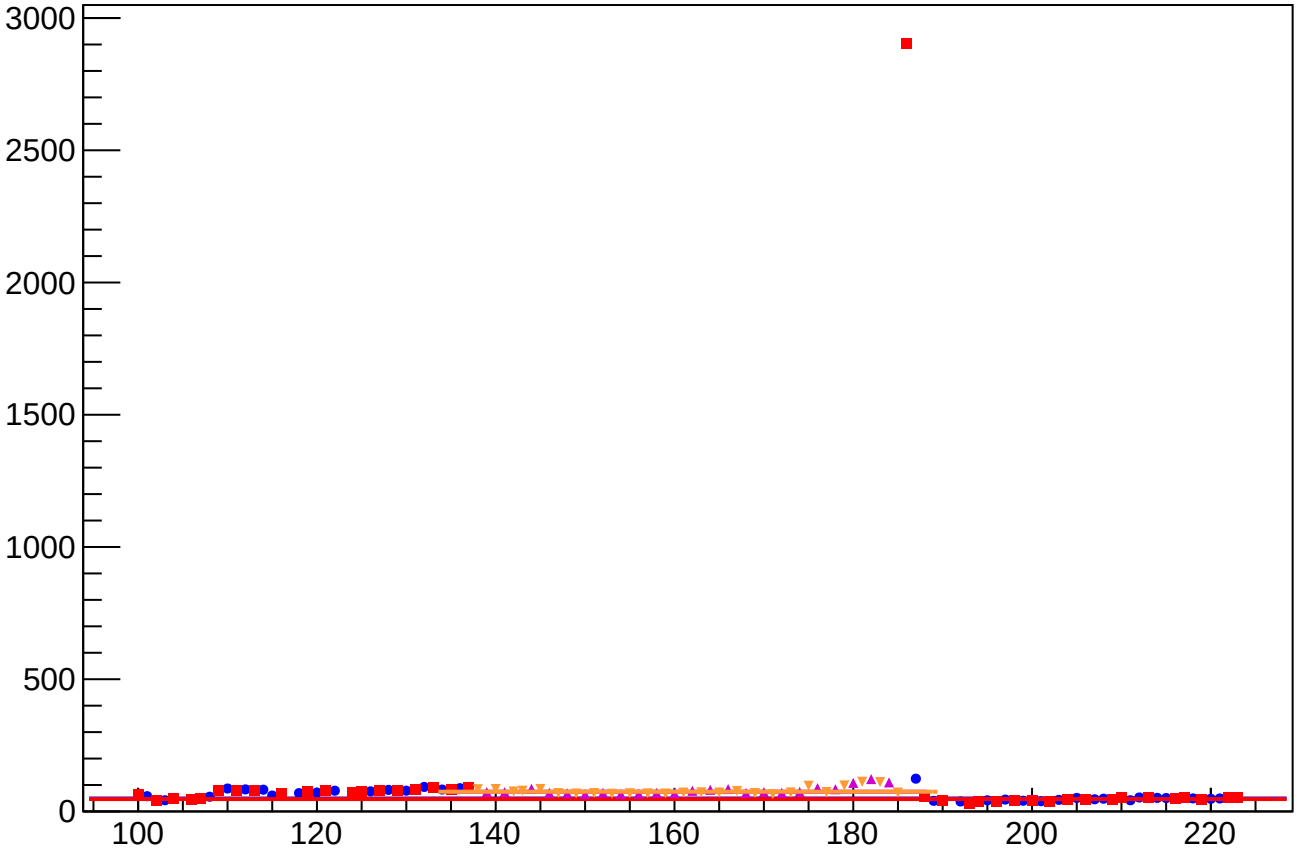
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.005+/-0.009 χ^2/NDF: 49.7/58

All: -0.004+/-0.007 χ^2/NDF: 130.5/119

- sign -0.004+/-0.009 χ^2/NDF: 80.8/60

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.914+/-0.008 χ^2/NDF: 2300290.3/33

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.876+/-0.008 χ^2/NDF: 3738875.2/37

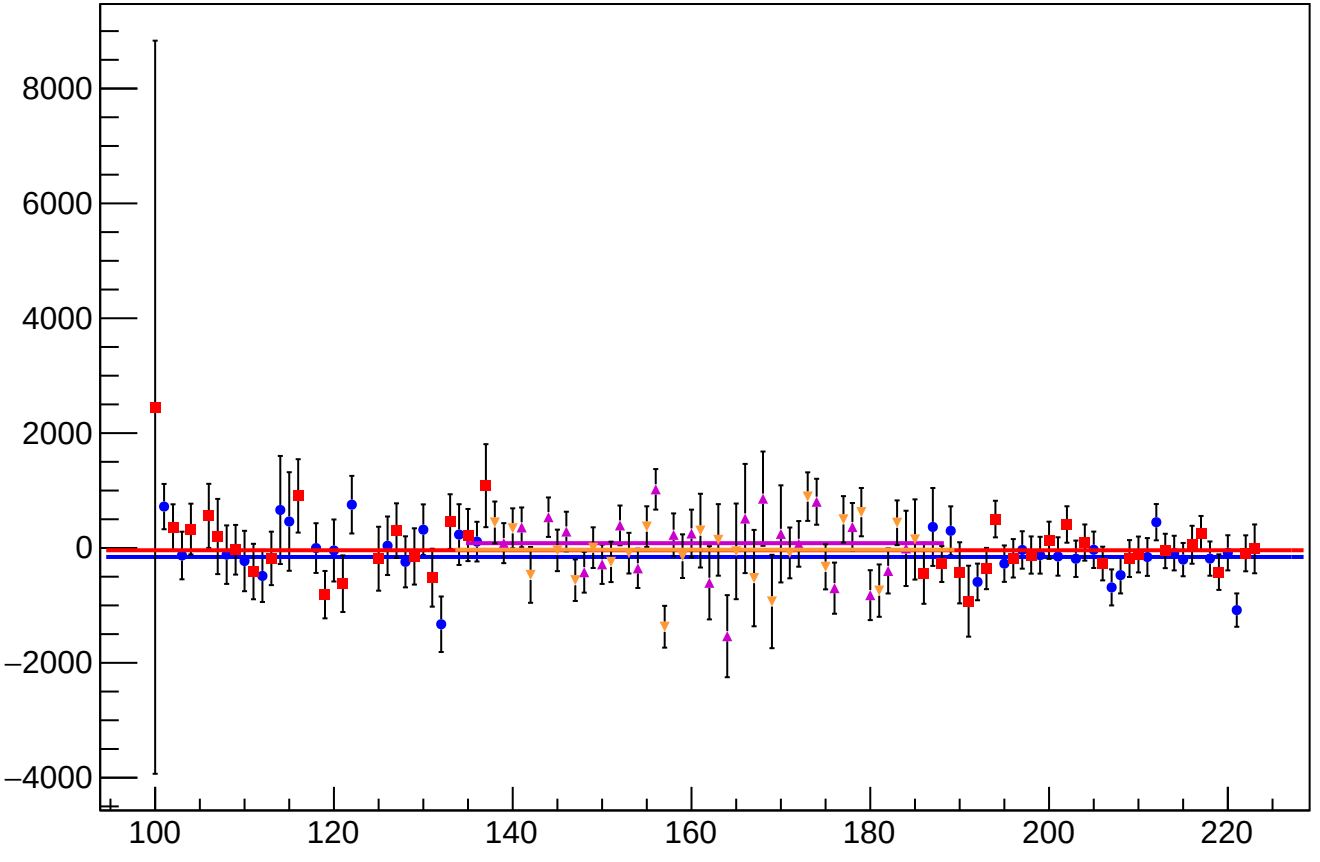
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 56.290+/-0.007 χ^2/NDF: 6185504.1/58

All: 55.184+/-0.005 χ^2/NDF: 14247611.1/119

- sign 54.119+/-0.006 χ^2/NDF: 8006731.6/60

asym_dsl_mean vs Slug



Right In: -156.603+/-64.352 χ^2/NDF: 40.4/33

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -39.703+/-63.853 χ^2/NDF: 30.0/37

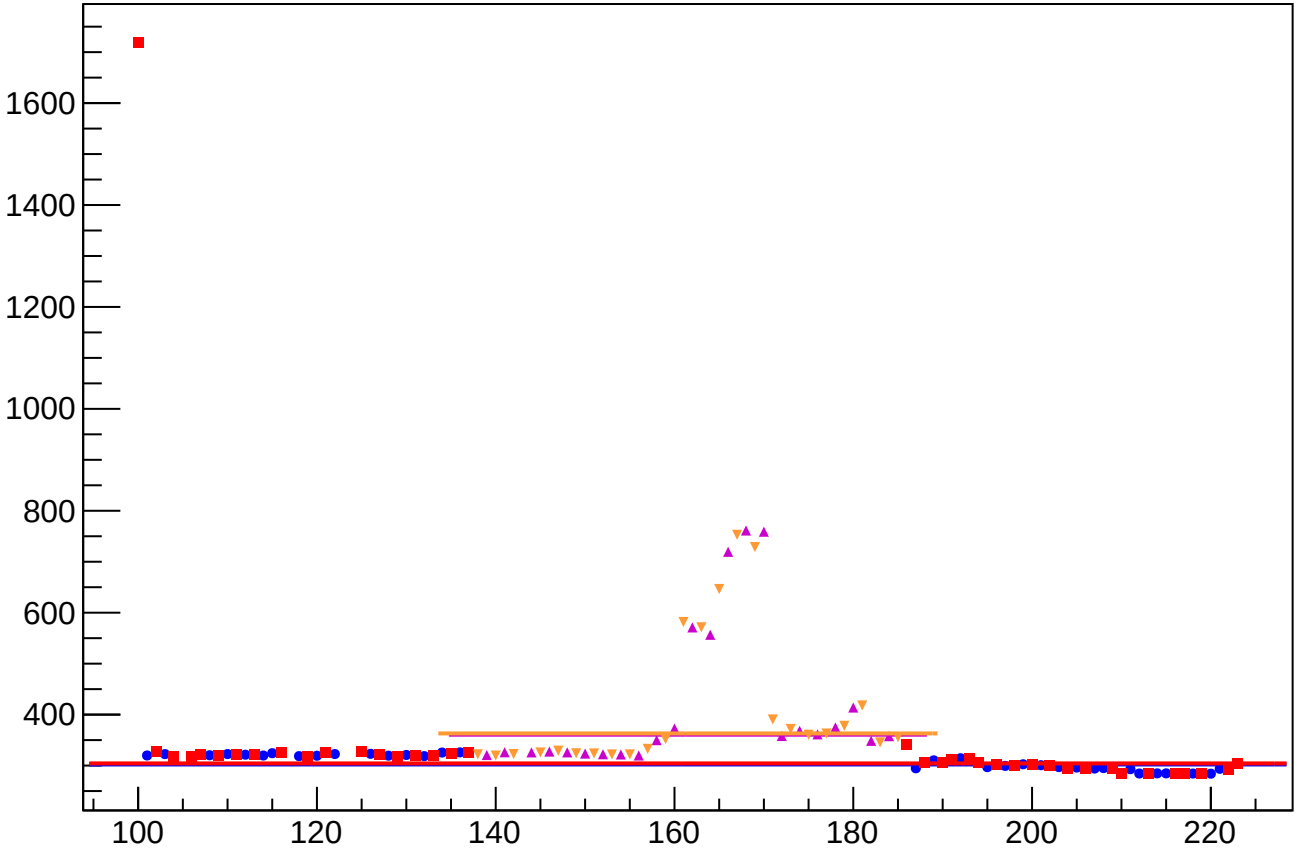
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -111.284+/-51.637 χ^2/NDF: 78.4/57

All: -53.418+/-36.417 χ^2/NDF: 148.0/118

- sign 3.845+/-51.367 χ^2/NDF: 67.1/60

asym_dsl_rms vs Slug



Right In: 302.182+/-0.046 χ^2/NDF: 99636.0/33

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 304.242+/-0.045 χ^2/NDF: 206101.5/37

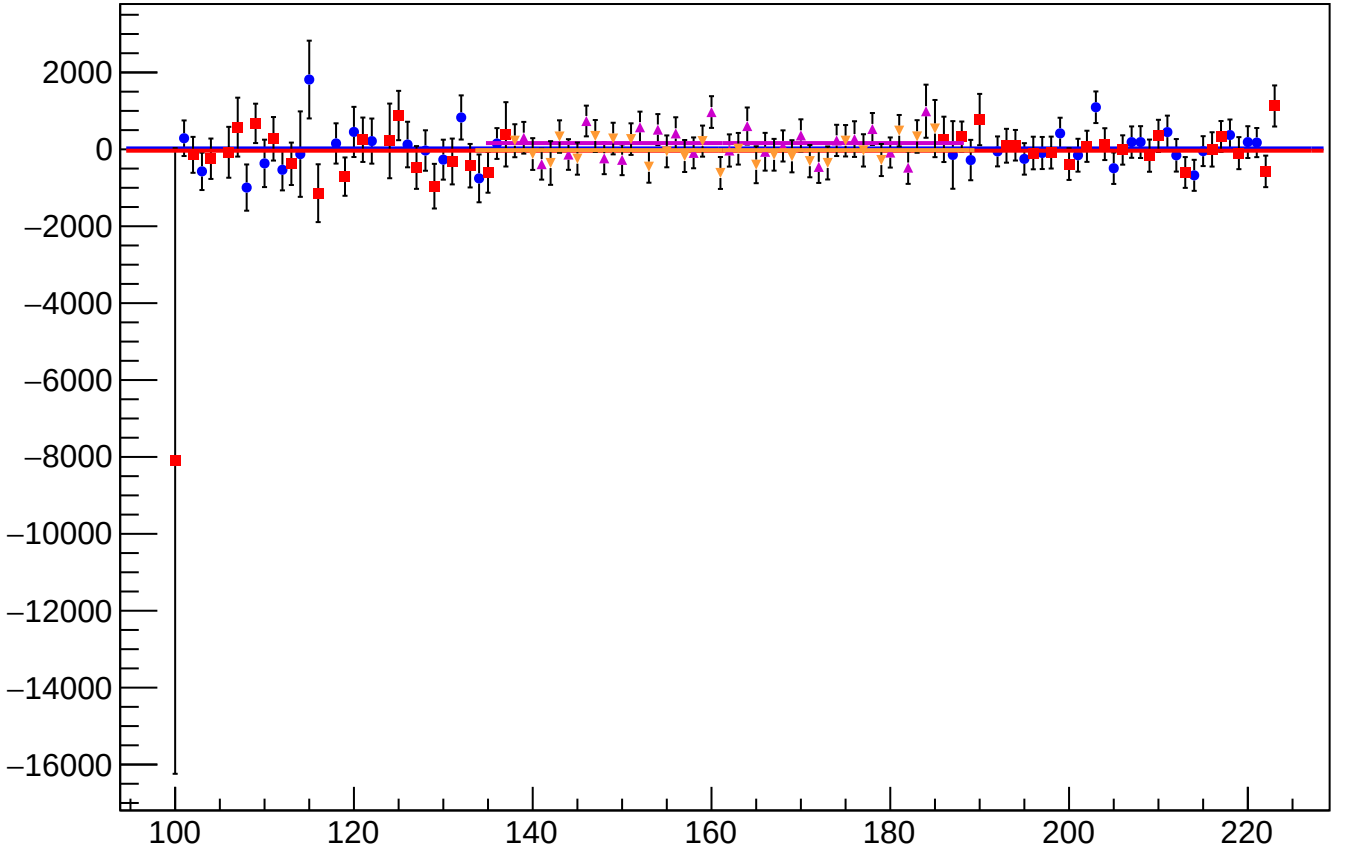
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 323.869+/-0.037 χ^2/NDF: 2533029.5/57

All: 323.996+/-0.026 χ^2/NDF: 5106316.0/118

- sign 324.122+/-0.036 χ^2/NDF: 2573262.3/60

asym_dsr_mean vs Slug



Right In: 23.973+/-81.193 χ^2/NDF: 29.9/33

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -35.197+/-80.295 χ^2/NDF: 30.1/37

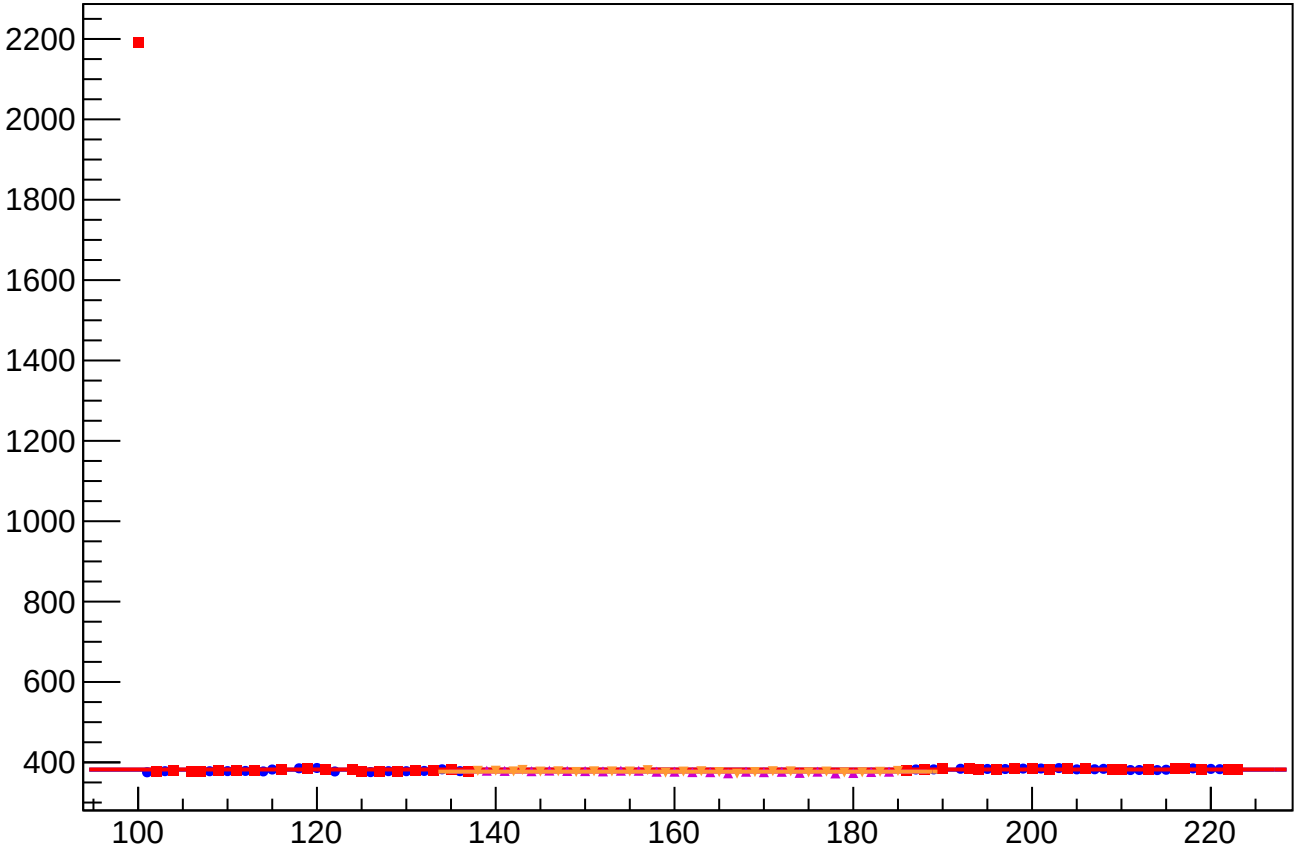
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign 2.650+/-58.915 χ^2/NDF: 42.7/58

All: 28.576+/-41.799 χ^2/NDF: 97.7/119

- sign 54.852+/-59.312 χ^2/NDF: 54.6/60

asym_dsr_rms vs Slug



Right In: 381.743+/-0.057 χ^2/NDF: 2475.5/33

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

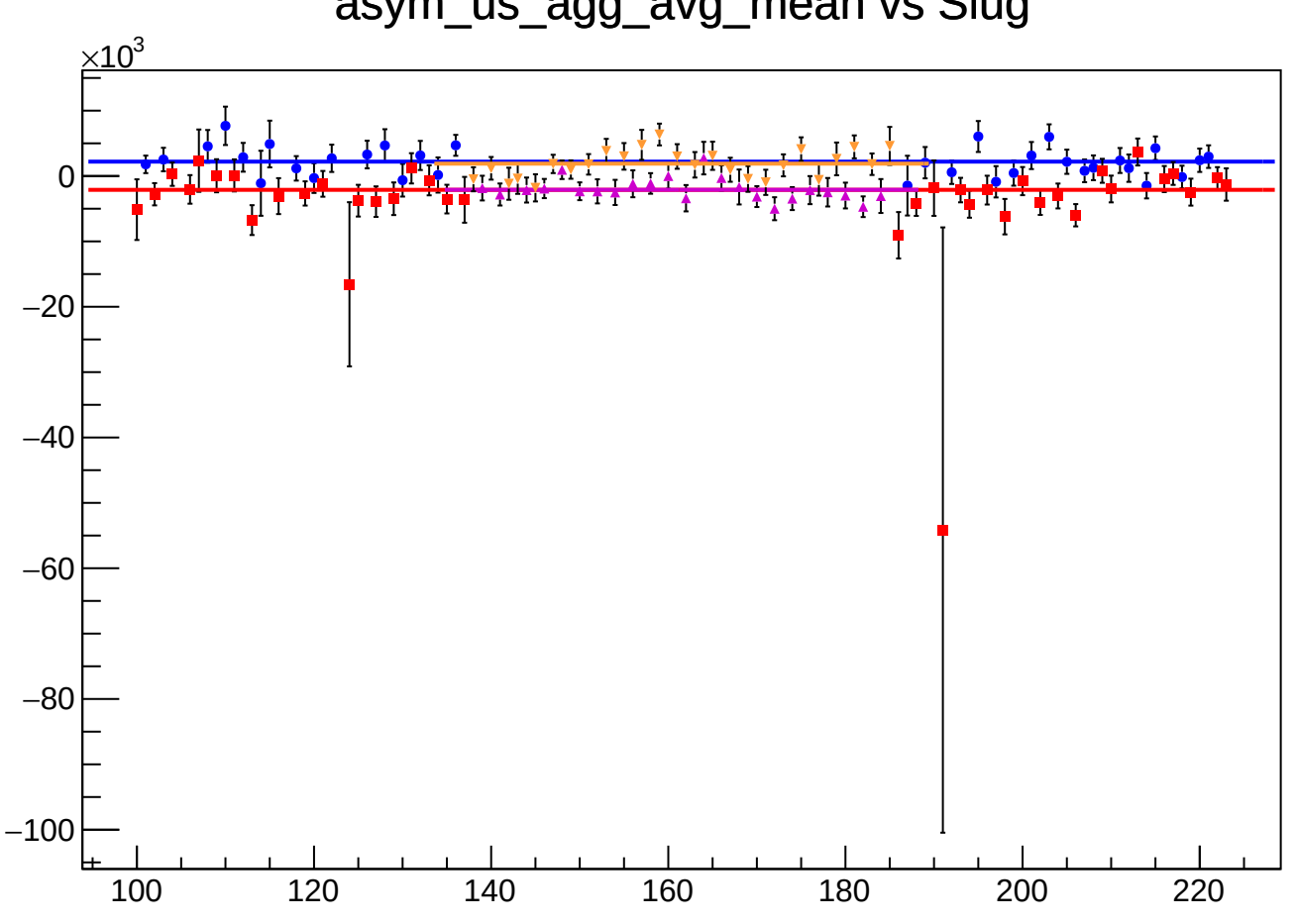
Right Out: 382.247+/-0.057 χ^2/NDF: 100836.3/37

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 379.453+/-0.042 χ^2/NDF: 6895.4/58

All: 379.622+/-0.030 χ^2/NDF: 112949.7/119

- sign 379.793+/-0.042 χ^2/NDF: 106021.3/60



Right In: 2201.633+/-351.896 χ^2/NDF: 31.7/33

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2114.599+/-357.593 χ^2/NDF: 46.0/38

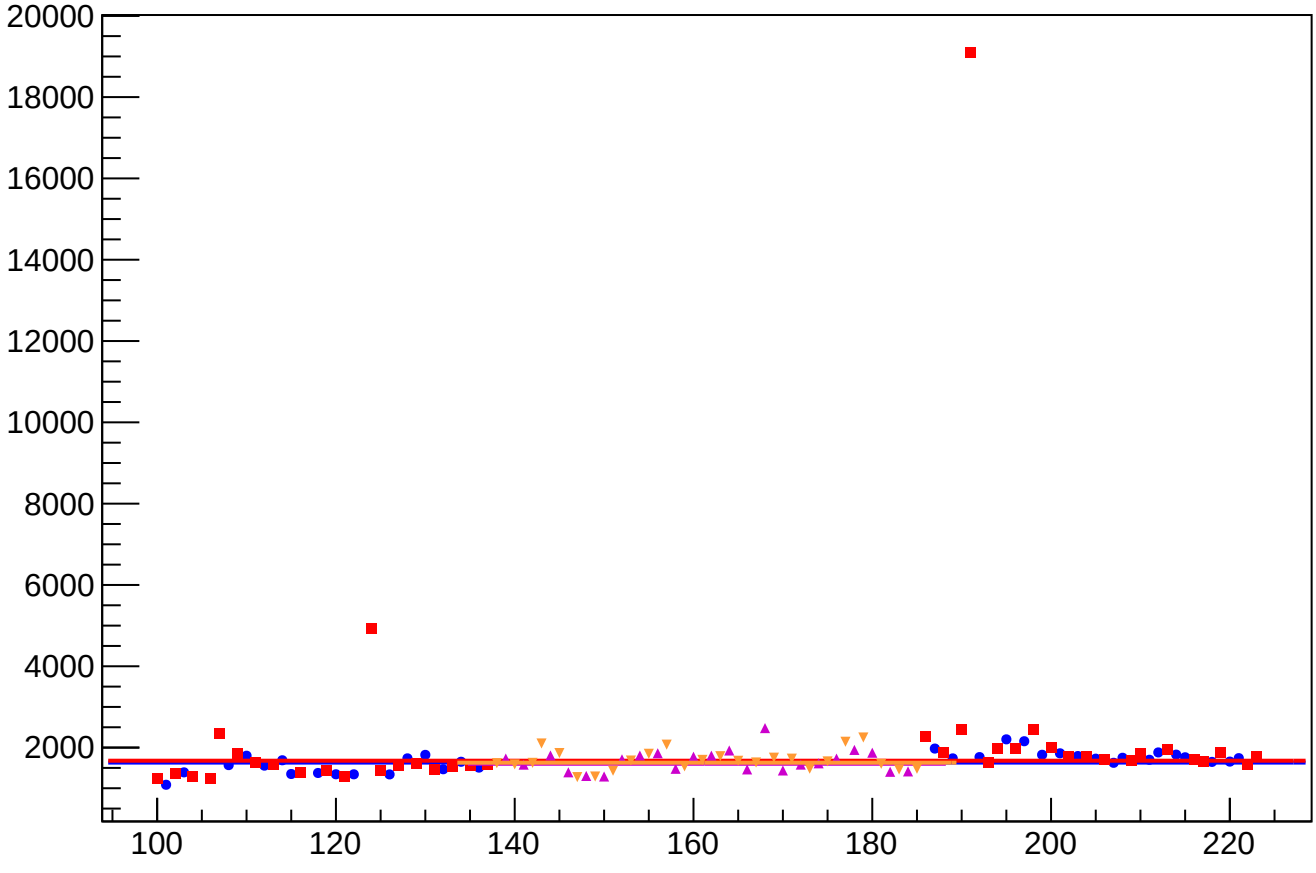
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2056.394+/-256.700 χ^2/NDF: 60.5/58

All: 0.564+/-182.709 χ^2/NDF: 255.0/120

- sign -2110.274+/-260.112 χ^2/NDF: 64.5/61

asym_us_agg_avg_rms vs Slug



Right In: 1631.087+/-0.249 χ^2/NDF: 954769.1/33

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1677.291+/-0.253 χ^2/NDF: 1450246.5/38

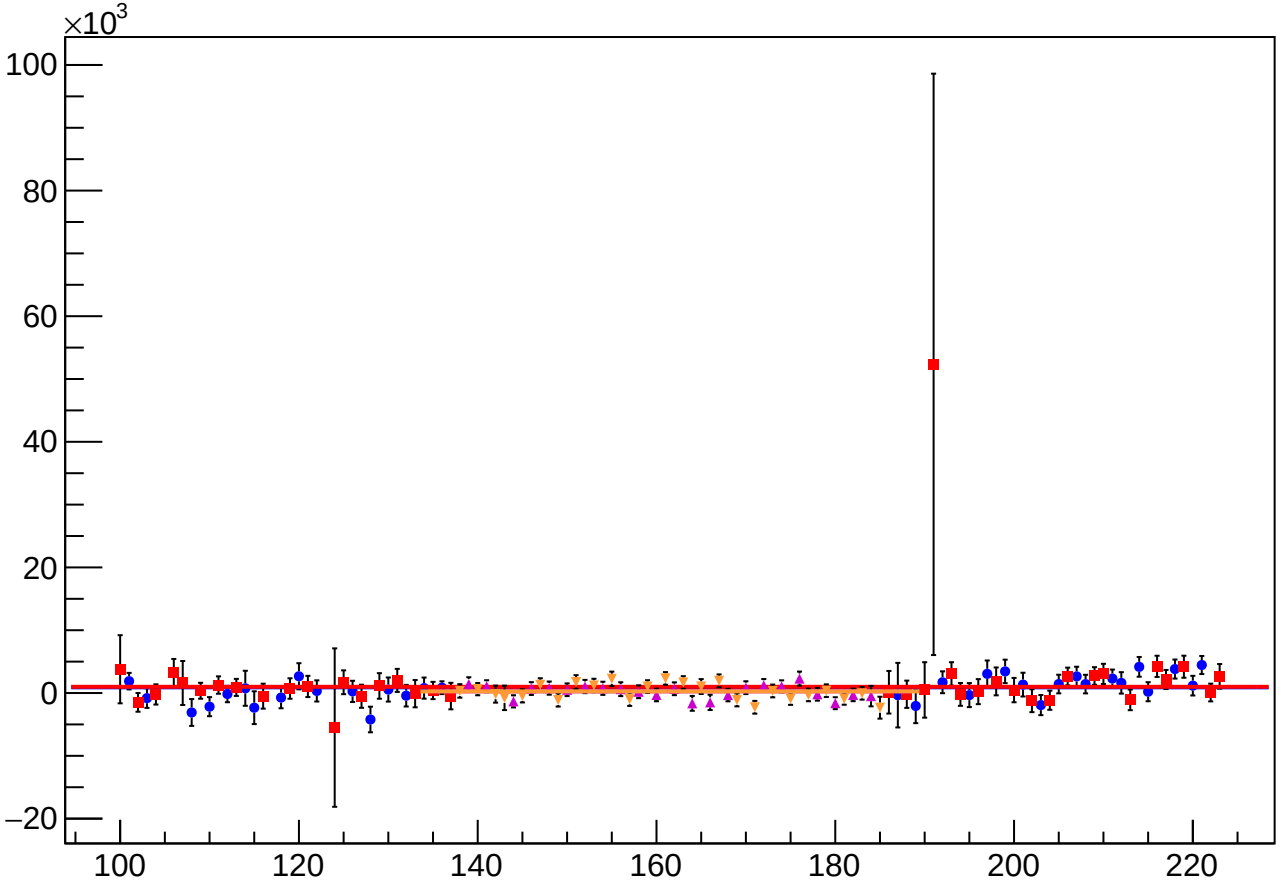
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1629.867+/-0.182 χ^2/NDF: 1733915.2/58

All: 1635.656+/-0.129 χ^2/NDF: 4022256.6/12

- sign 1641.599+/-0.184 χ^2/NDF: 2286279.9/61

asym_us_agg_dd_mean vs Slug



Right In: 907.592+/-285.849 χ^2/NDF: 45.4/33

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 989.210+/-289.300 χ^2/NDF: 29.8/38

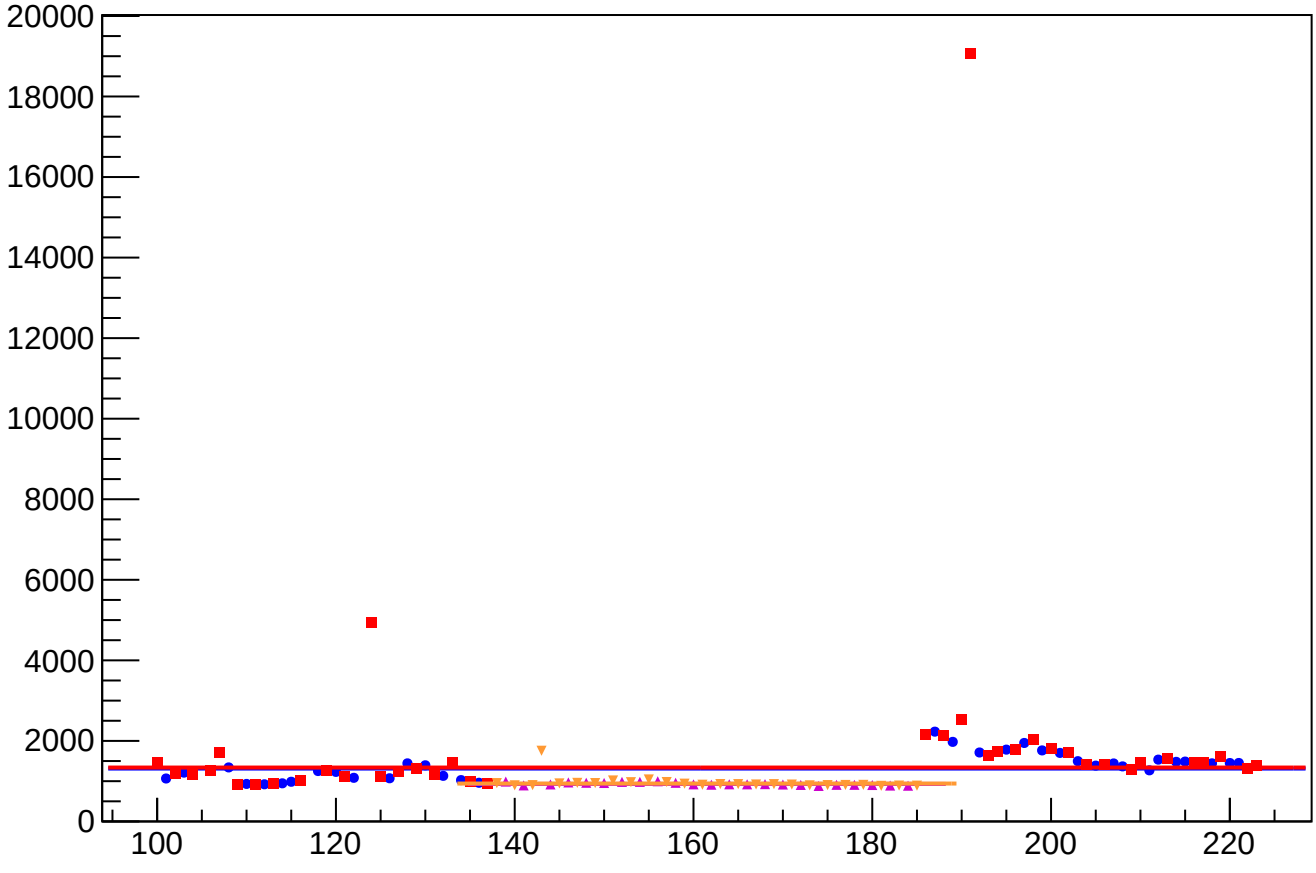
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 495.455+/-171.804 χ^2/NDF: 82.5/58

All: 511.586+/-122.233 χ^2/NDF: 137.7/120

- sign 528.122+/-173.943 χ^2/NDF: 55.2/61

asym_us_agg_dd_rms vs Slug



Right In: 1313.278+/-0.202 χ^2/NDF: 1831862.7/33

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1338.536+/-0.205 χ^2/NDF: 2776368.4/38

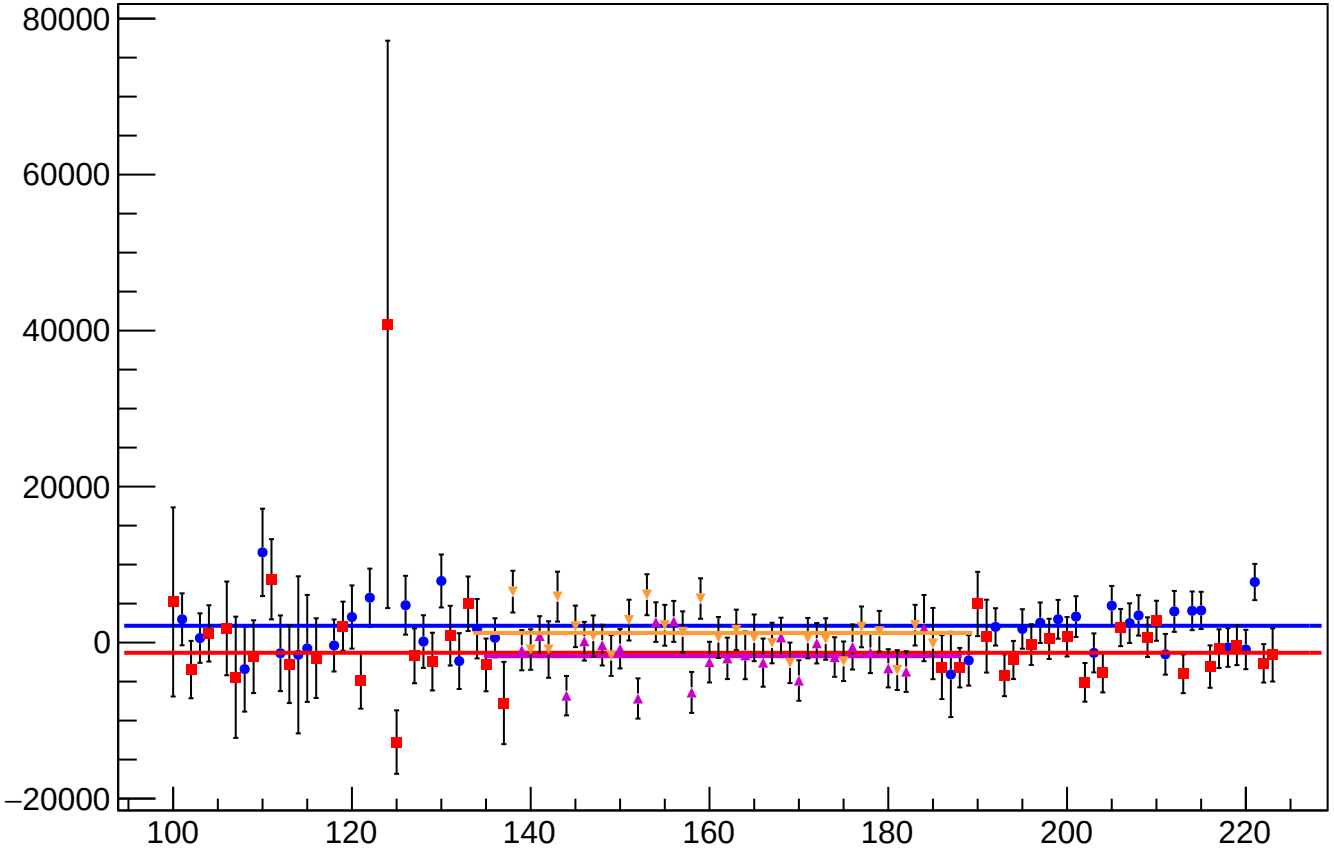
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1075.489+/-0.121 χ^2/NDF: 4416279.5/58

All: 1077.067+/-0.086 χ^2/NDF: 9769008.7/12

- sign 1078.686+/-0.123 χ^2/NDF: 5352387.2/61

reg_asym_atl1_mean vs Slug



Right In: 2155.950+/-514.914 χ^2/NDF: 31.3/33

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1307.646+/-514.499 χ^2/NDF: 38.2/38

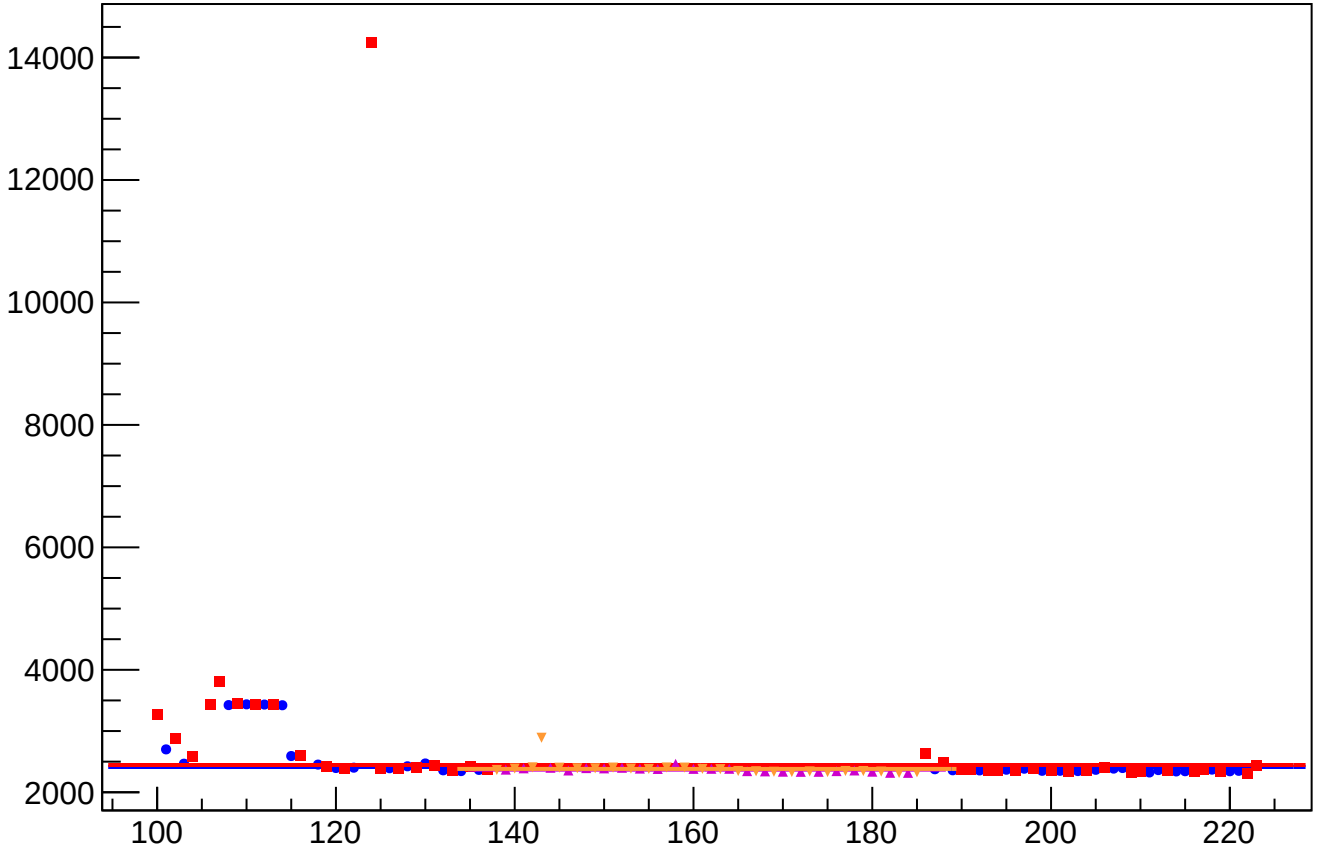
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1718.330+/-373.075 χ^2/NDF: 56.7/58

All: 120.559+/-265.098 χ^2/NDF: 156.7/120

- sign -1508.953+/-376.763 χ^2/NDF: 62.9/61

reg_asym_atl1_rms vs Slug



Right In: 2413.028+/-0.364 χ^2/NDF: 281090.4/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2445.401+/-0.364 χ^2/NDF: 667343.6/38

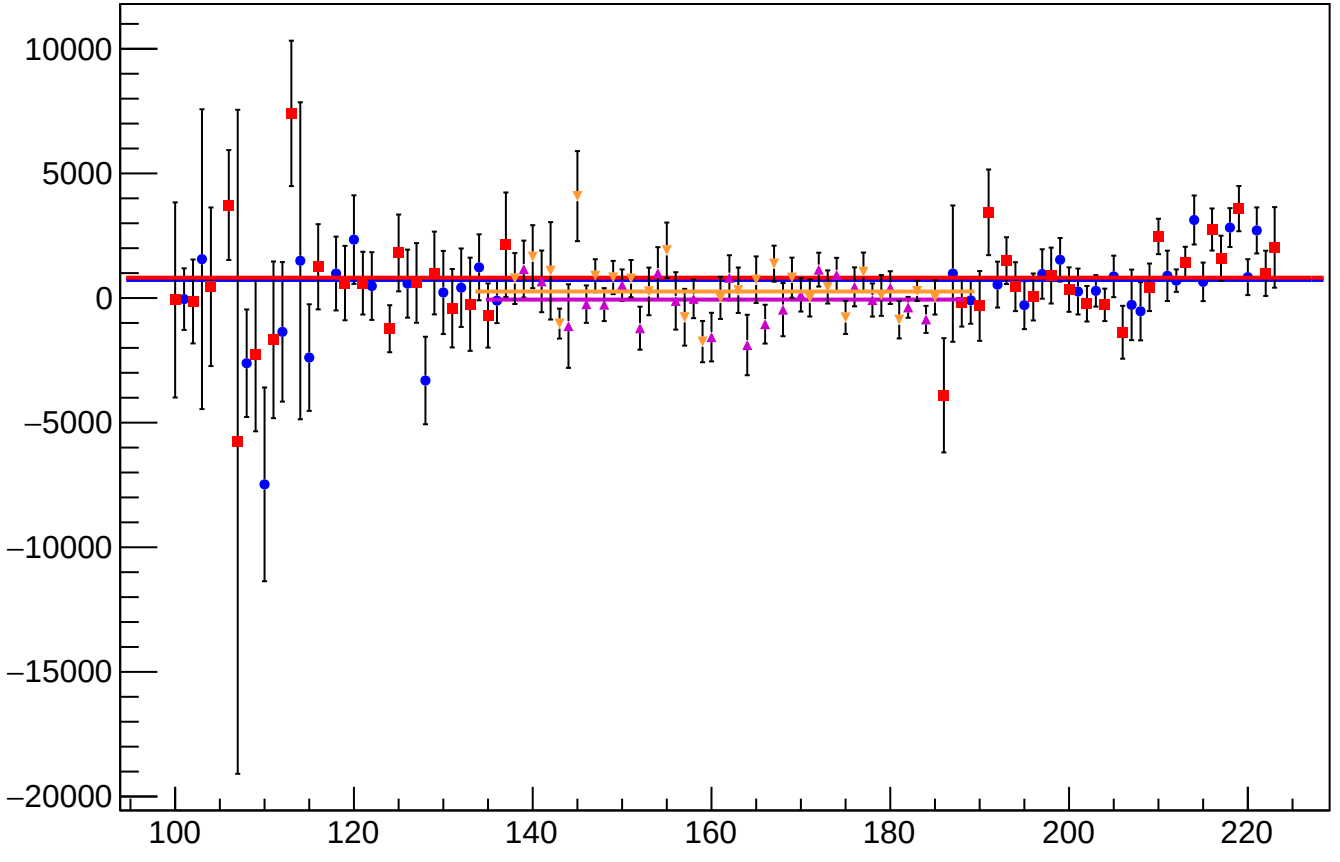
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2397.925+/-0.264 χ^2/NDF: 342335.7/58

All: 2403.977+/-0.187 χ^2/NDF: 1038023.3/12

- sign 2410.148+/-0.266 χ^2/NDF: 694624.8/61

asym_atl1_reg_correction_mean vs Slug



Right In: 726.115+/-177.786 χ^2/NDF: 40.4/33

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 816.205+/-182.271 χ^2/NDF: 58.7/38

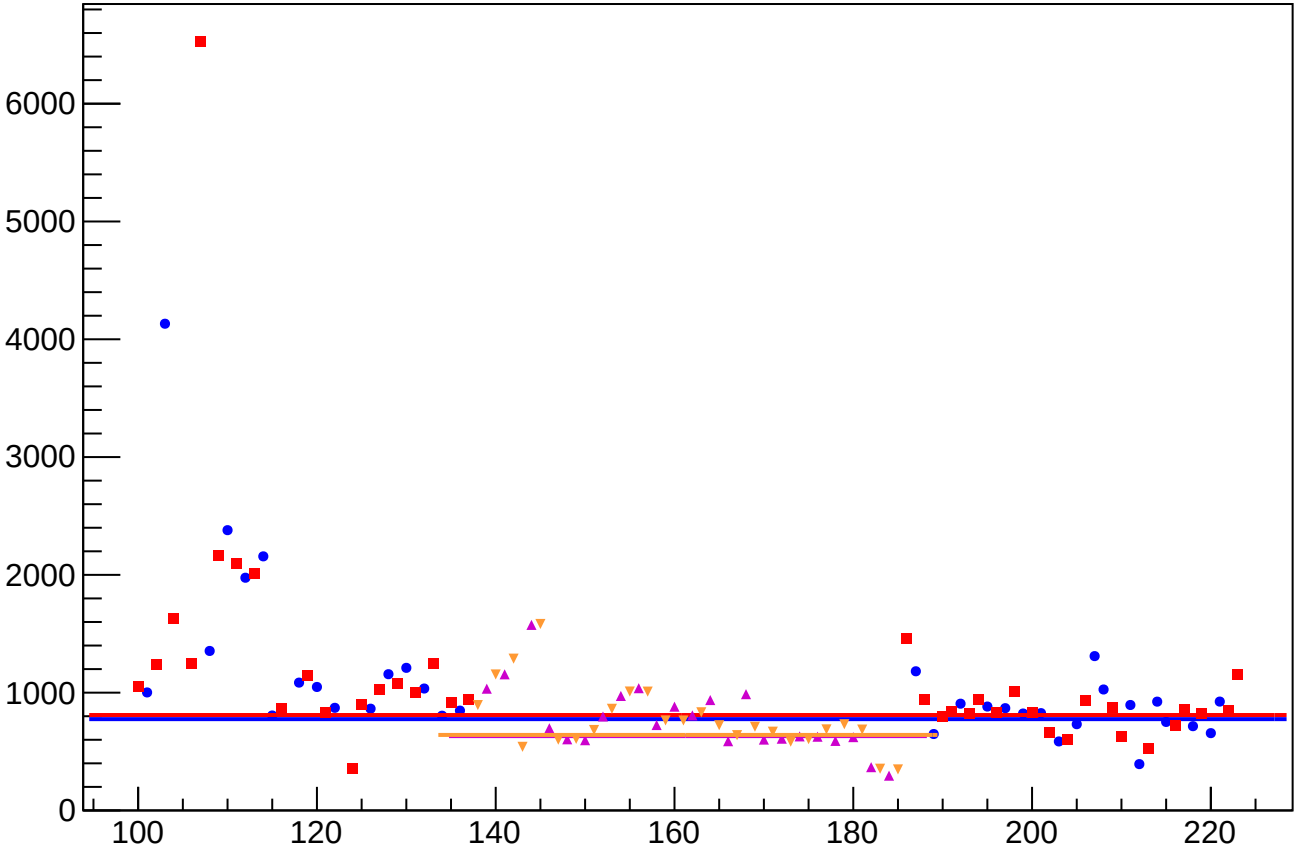
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 460.898+/-116.406 χ^2/NDF: 75.4/58

All: 388.729+/-83.257 χ^2/NDF: 170.3/120

- sign 313.147+/-119.126 χ^2/NDF: 94.0/61

asym_atl1_reg_correction_rms vs Slug



Right In: 775.208+/-0.126 χ^2/NDF: 4456500.3/33

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 810.181+/-0.129 χ^2/NDF: 3907744.0/38

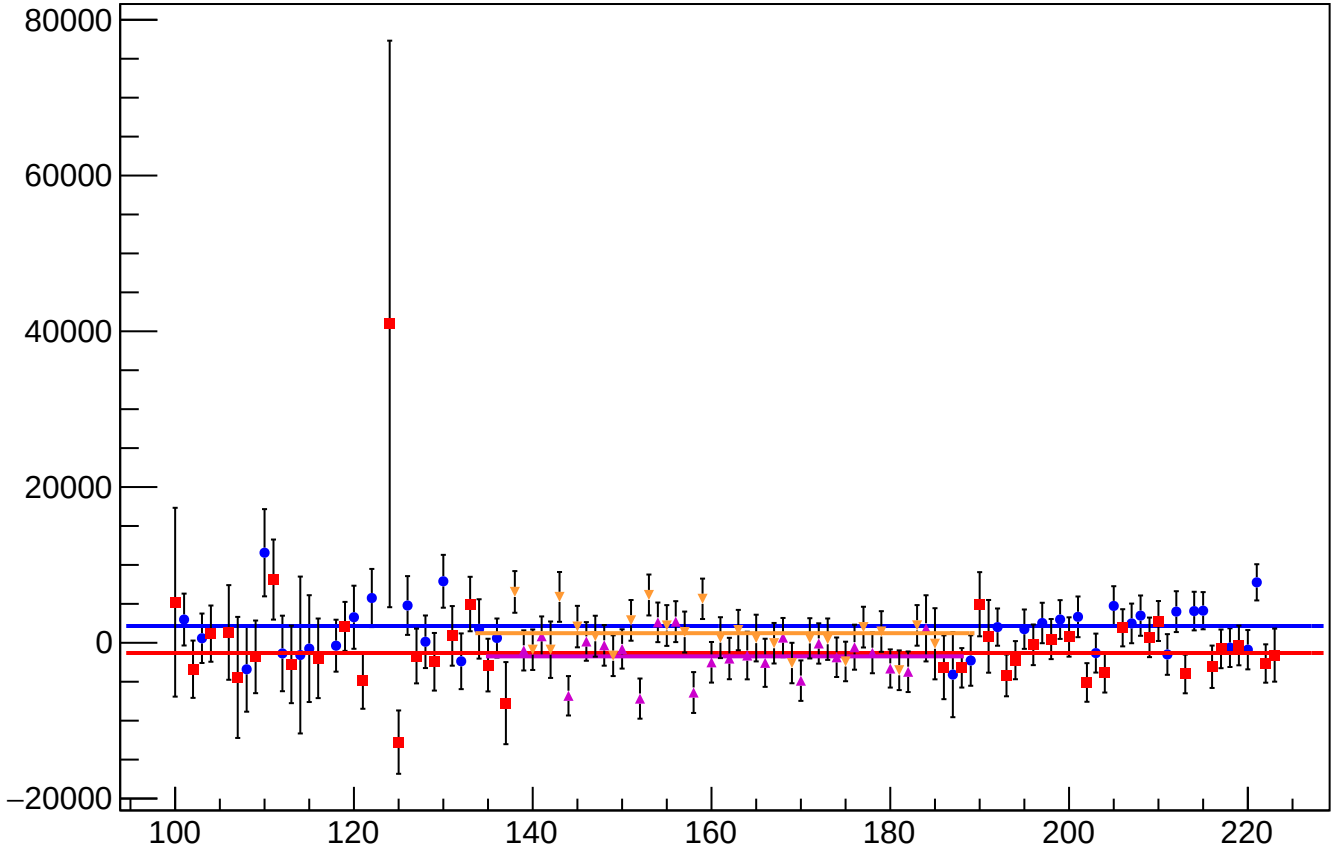
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 698.625+/-0.082 χ^2/NDF: 8580955.5/58

All: 703.034+/-0.059 χ^2/NDF: 17574741.9/12

- sign 707.651+/-0.084 χ^2/NDF: 8987913.5/61

cor_asym_atl1_mean vs Slug



Right In: 2156.104+/-514.914 χ^2/NDF: 31.3/33

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1310.289+/-514.542 χ^2/NDF: 38.1/38

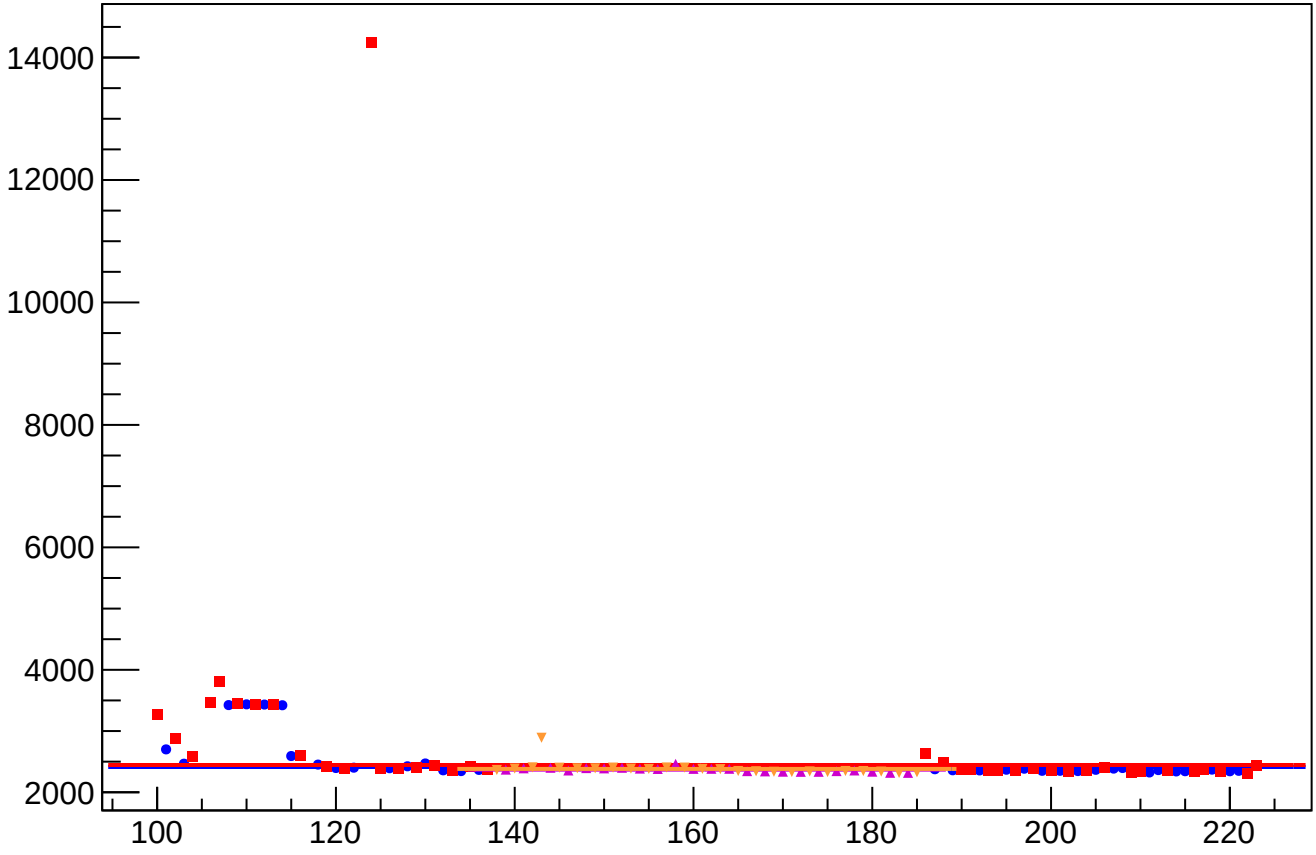
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1718.400+/-373.075 χ^2/NDF: 56.7/58

All: 119.943+/-265.104 χ^2/NDF: 156.6/120

- sign -1510.414+/-376.779 χ^2/NDF: 62.8/61

cor_asym_atl1_rms vs Slug



Right In: 2413.029+/-0.364 χ^2/NDF: 281090.5/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2445.519+/-0.364 χ^2/NDF: 670334.1/38

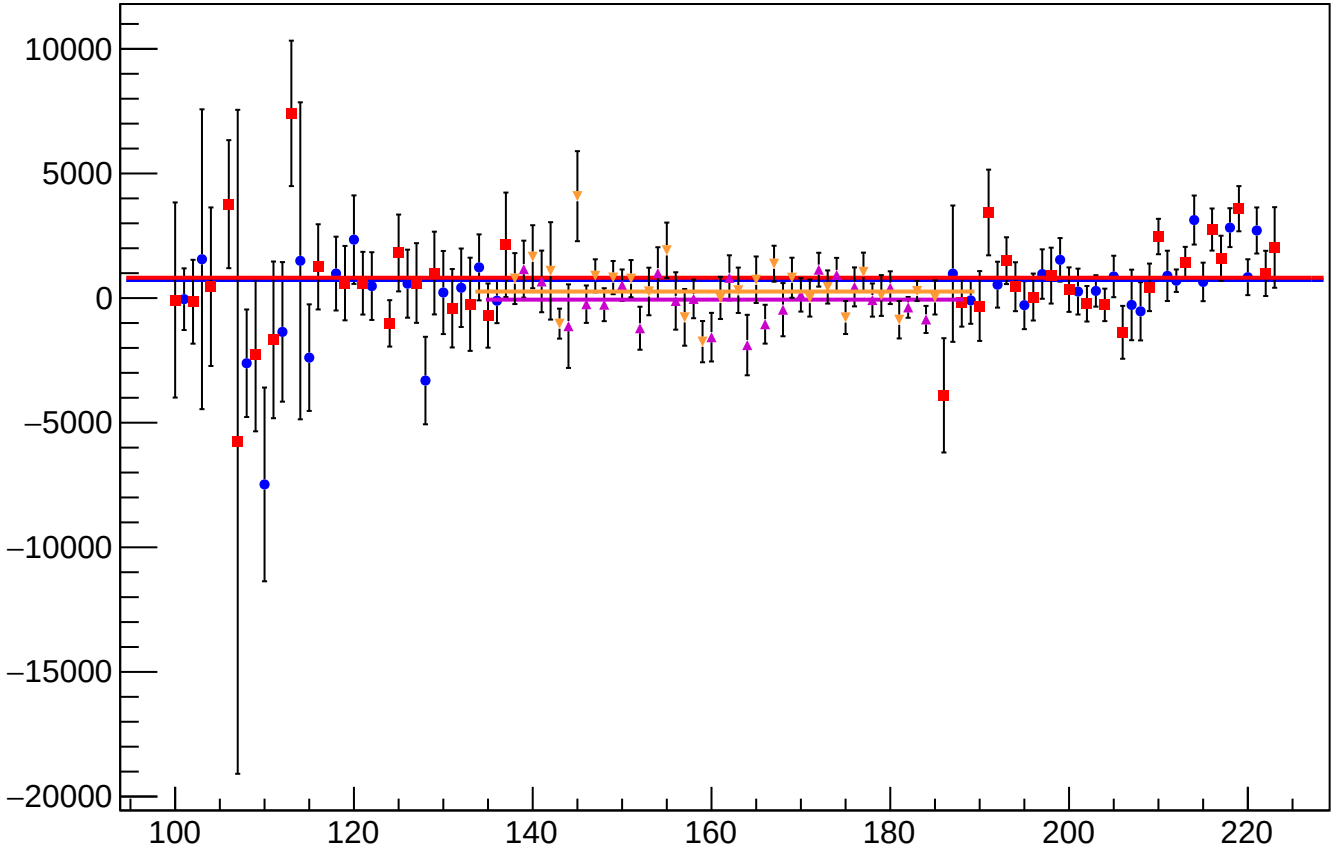
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2397.925+/-0.264 χ^2/NDF: 342335.7/58

All: 2404.006+/-0.187 χ^2/NDF: 1041085.8/12

- sign 2410.208+/-0.266 χ^2/NDF: 697676.8/61

asym_atl1_cor_correction_mean vs Slug



Right In: 726.074+/-177.787 χ^2/NDF: 40.4/33

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 817.184+/-182.343 χ^2/NDF: 57.4/38

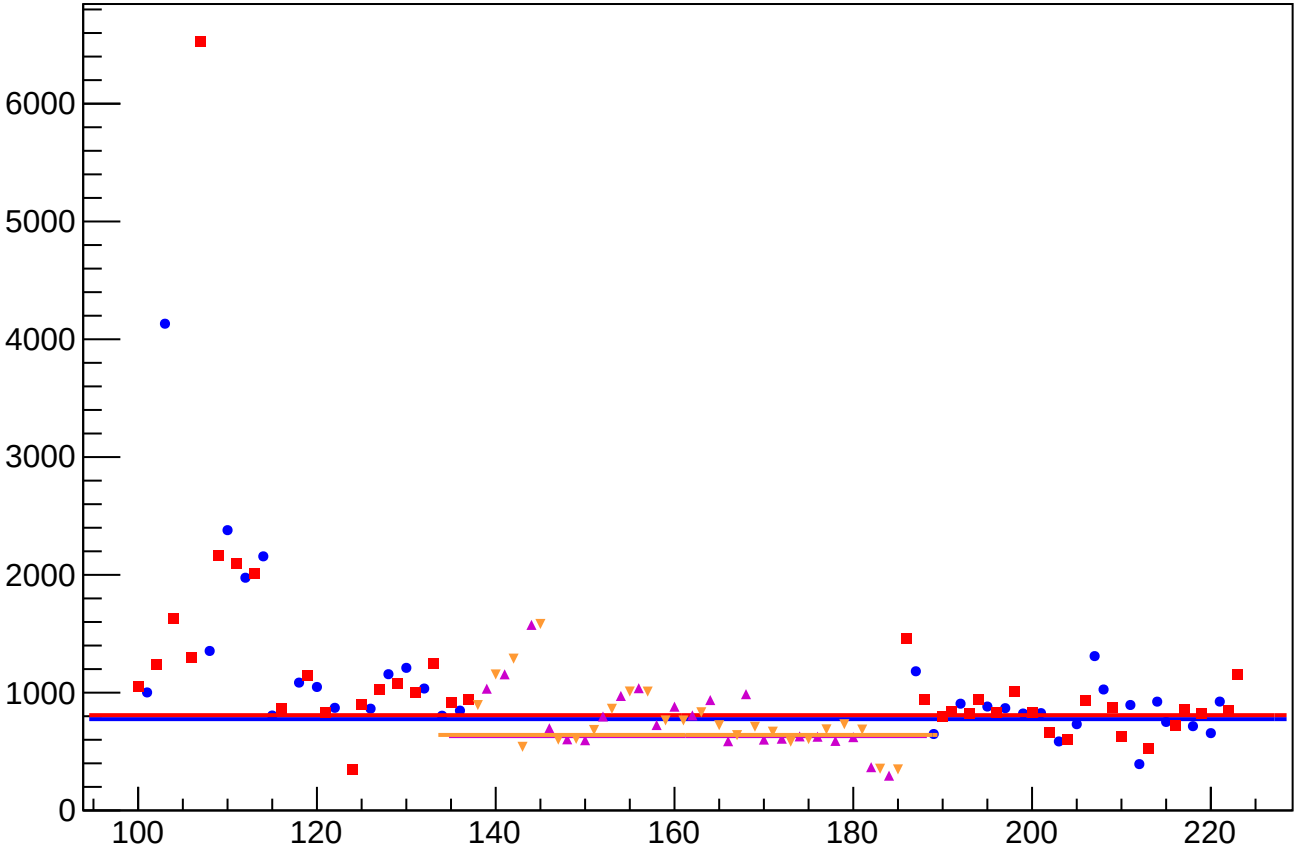
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 461.045+/-116.408 χ^2/NDF: 75.4/58

All: 388.932+/-83.264 χ^2/NDF: 169.0/120

- sign 313.386+/-119.146 χ^2/NDF: 92.8/61

asym_atl1_cor_correction_rms vs Slug



Right In: 775.217+/-0.126 χ^2/NDF: 4456076.3/33

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 808.996+/-0.129 χ^2/NDF: 3922685.4/38

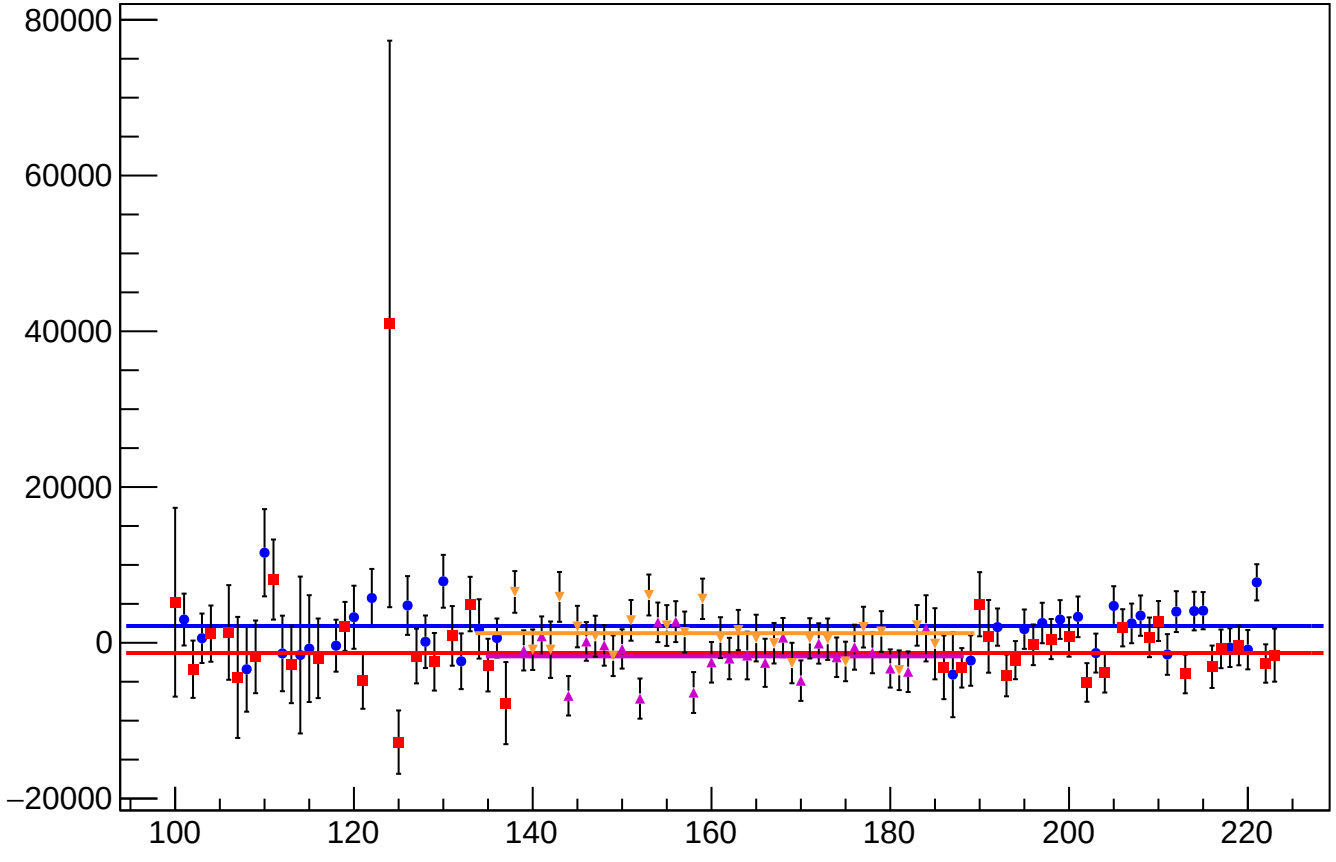
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 698.637+/-0.082 χ^2/NDF: 8580204.4/58

All: 702.774+/-0.059 χ^2/NDF: 17573313.1/12

- sign 707.109+/-0.084 χ^2/NDF: 8987935.5/61

eigen_cor_asym_atl1_mean vs Slug



Right In: 2156.104+/-514.914 χ^2/NDF: 31.3/33

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1310.289+/-514.542 χ^2/NDF: 38.1/38

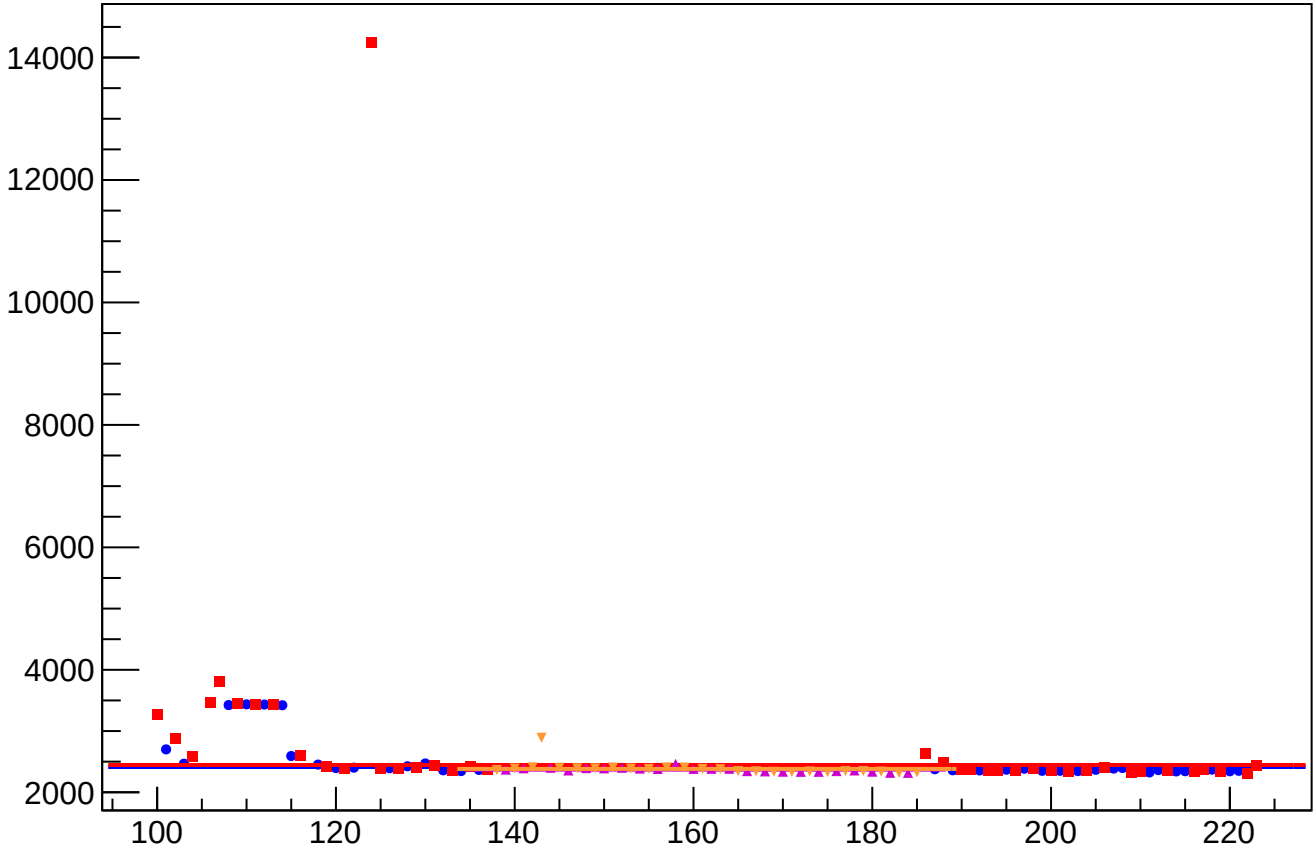
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1718.400+/-373.075 χ^2/NDF: 56.7/58

All: 119.943+/-265.104 χ^2/NDF: 156.6/120

- sign -1510.414+/-376.779 χ^2/NDF: 62.8/61

eigen_cor_asym_atl1_rms vs Slug



Right In: 2413.029+/-0.364 χ^2/NDF: 281090.5/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2445.519+/-0.364 χ^2/NDF: 670334.1/38

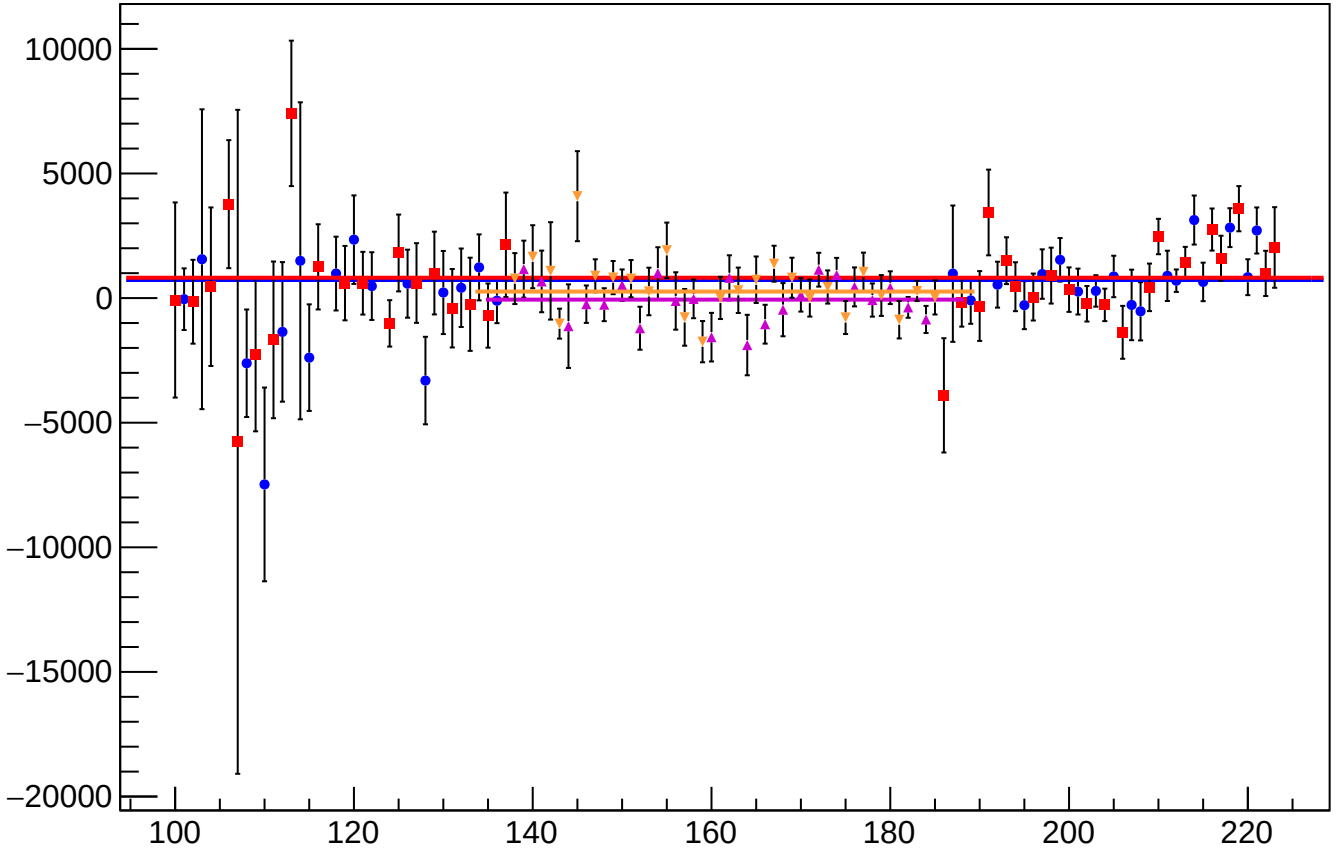
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2397.925+/-0.264 χ^2/NDF: 342335.7/58

All: 2404.006+/-0.187 χ^2/NDF: 1041085.8/12

- sign 2410.208+/-0.266 χ^2/NDF: 697676.8/61

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 726.074+/-177.787 χ^2/NDF: 40.4/33

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 817.184+/-182.343 χ^2/NDF: 57.4/38

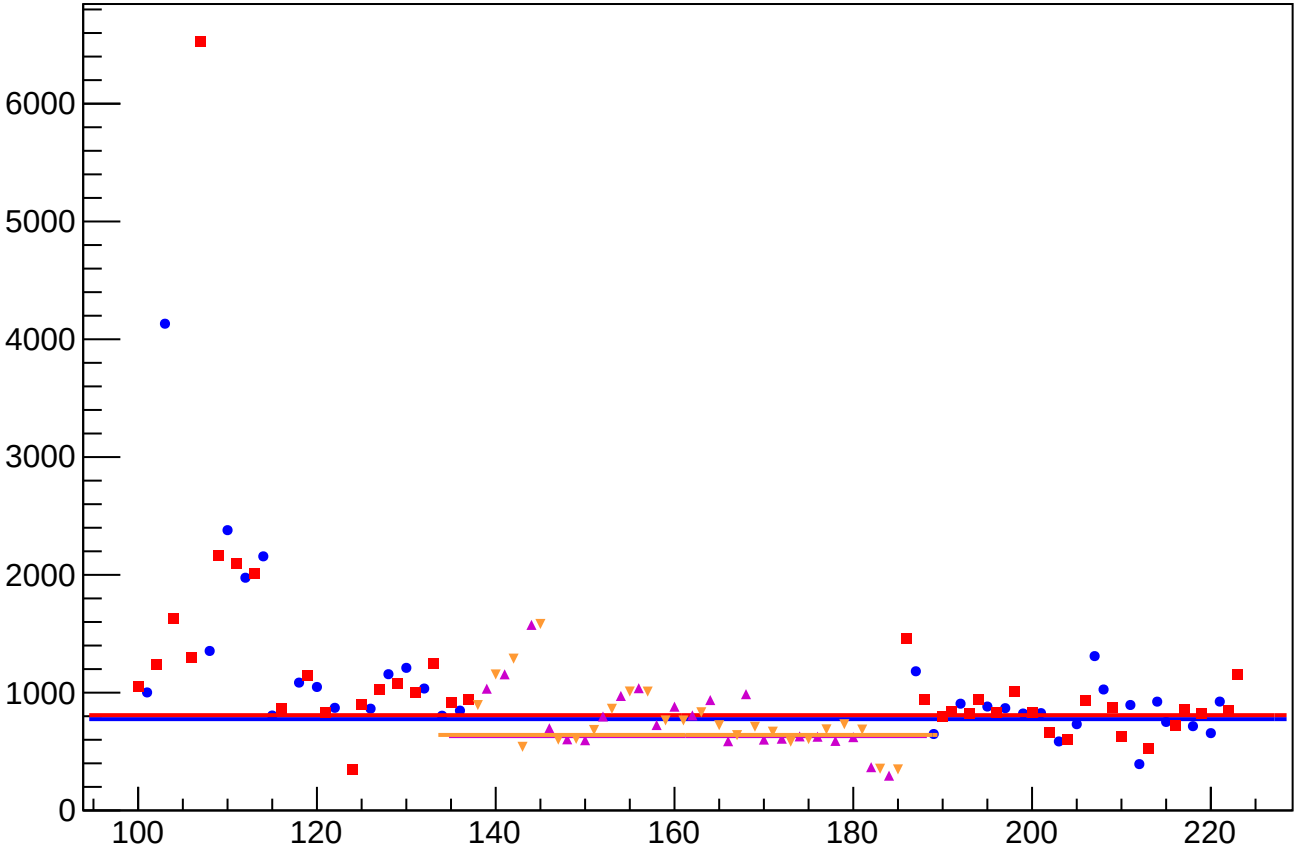
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 461.045+/-116.408 χ^2/NDF: 75.4/58

All: 388.932+/-83.264 χ^2/NDF: 169.0/120

- sign 313.386+/-119.146 χ^2/NDF: 92.8/61

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 775.217+/-0.126 χ^2/NDF: 4456076.3/33

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 808.996+/-0.129 χ^2/NDF: 3922685.4/38

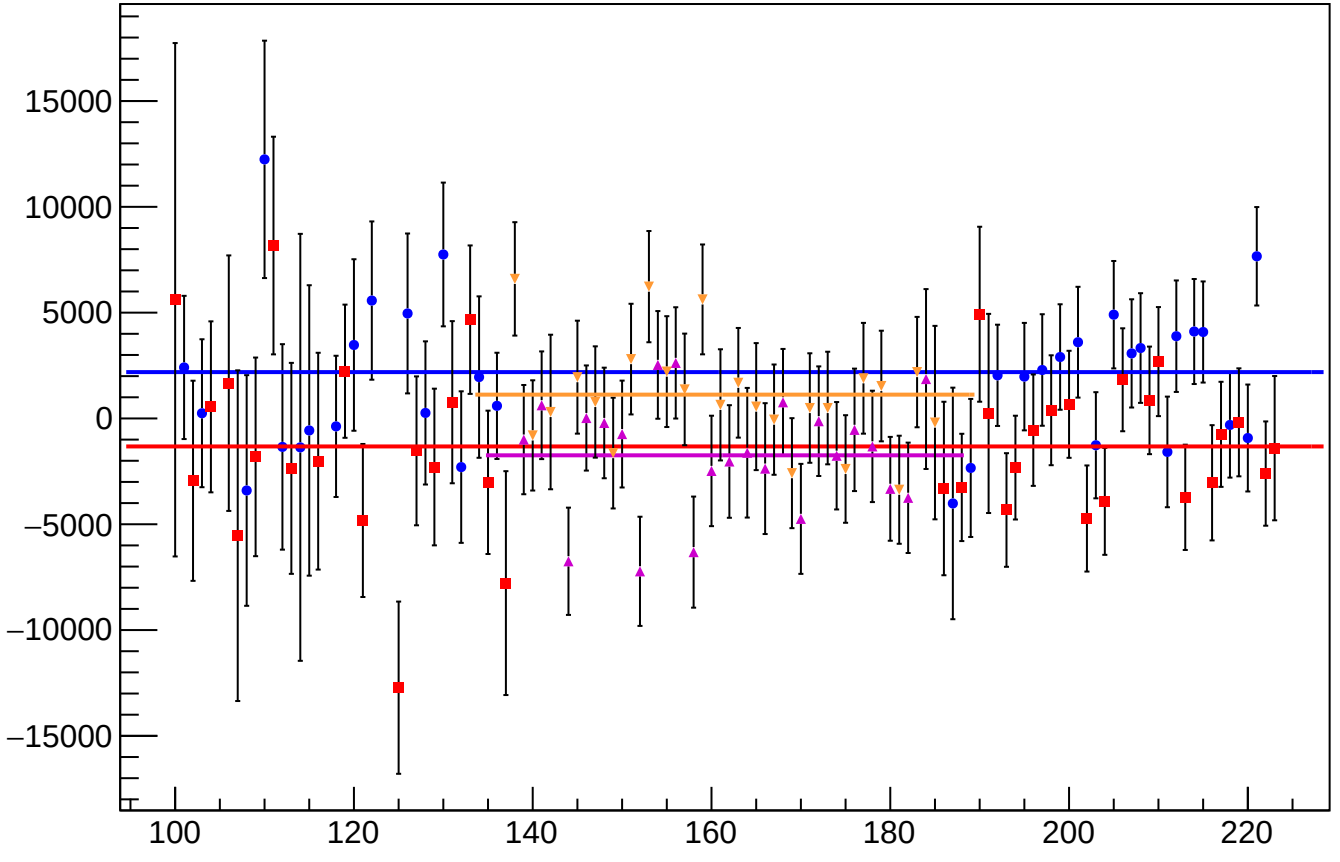
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 698.637+/-0.082 χ^2/NDF: 8580204.4/58

All: 702.774+/-0.059 χ^2/NDF: 17573313.1/12

- sign 707.109+/-0.084 χ^2/NDF: 8987935.5/61

dit_asym_atl1_mean vs Slug



Right In: 2190.202+/-517.433 χ^2/NDF: 31.2/33

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1322.755+/-519.321 χ^2/NDF: 35.1/37

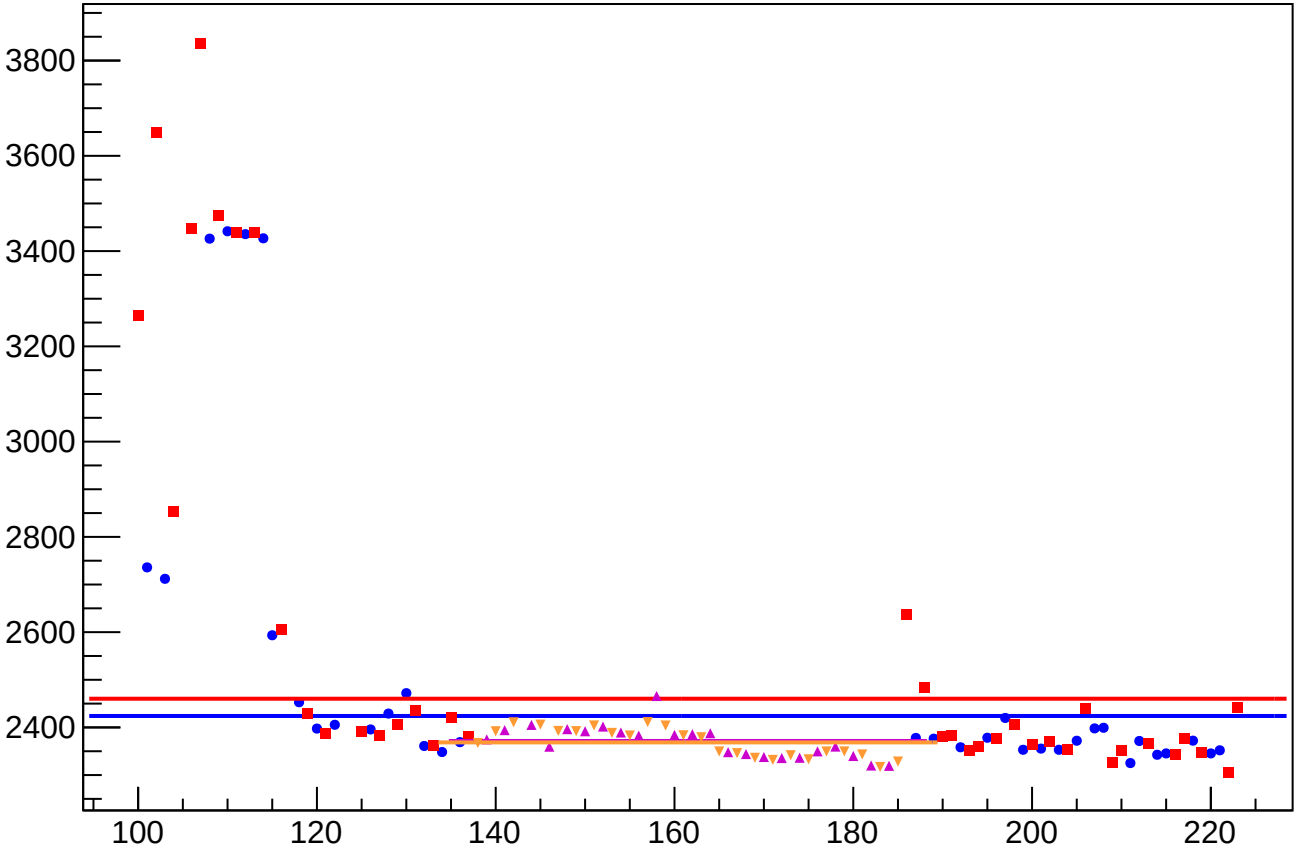
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1690.173+/-376.815 χ^2/NDF: 54.4/57

All: 93.996+/-267.149 χ^2/NDF: 149.6/118

- sign -1519.081+/-378.804 χ^2/NDF: 59.2/60

dit_asym_atl1_rms vs Slug



Right In: 2424.039+/-0.366 χ^2/NDF: 296204.0/33

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2460.272+/-0.367 χ^2/NDF: 572728.9/37

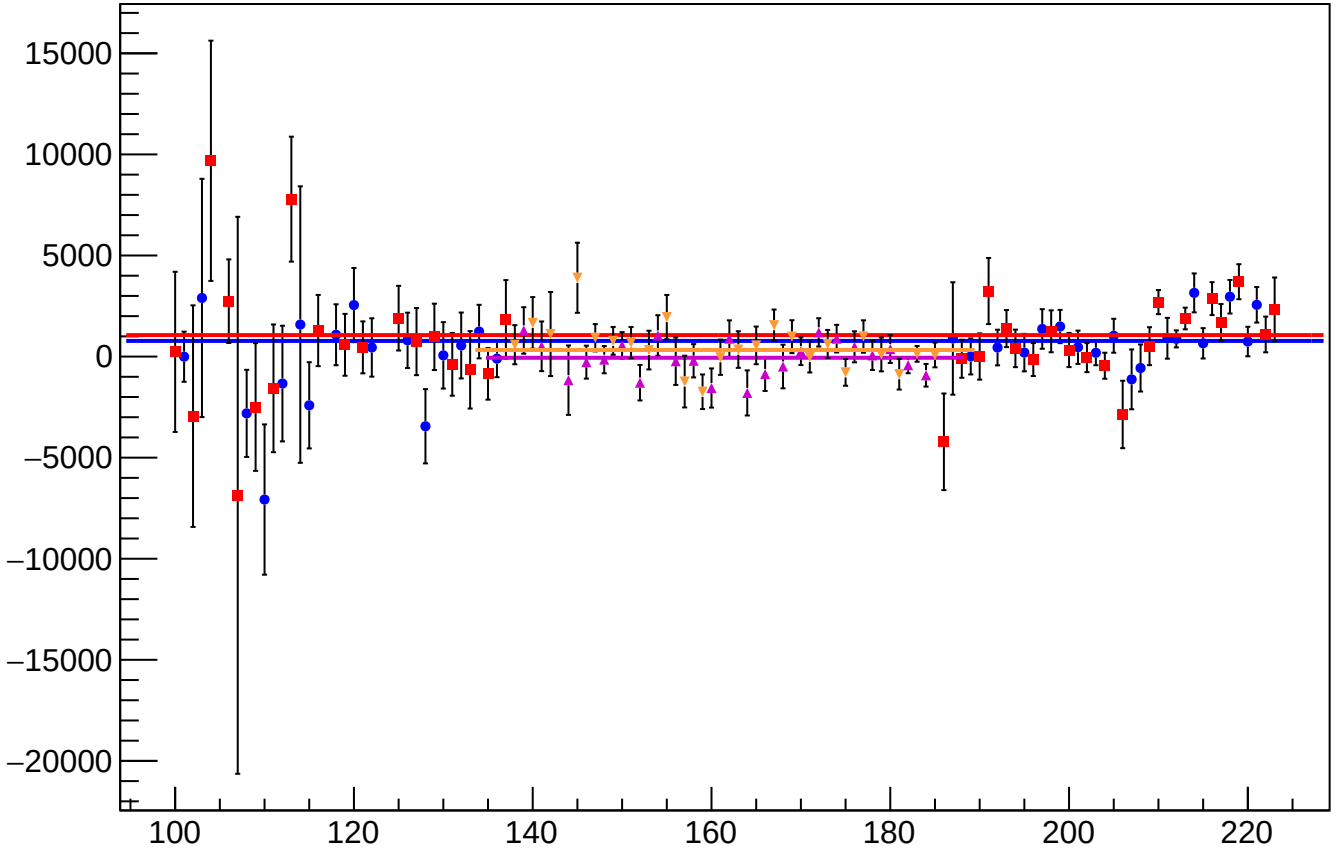
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2397.986+/-0.266 χ^2/NDF: 312570.5/57

All: 2408.309+/-0.189 χ^2/NDF: 922705.6/118

- sign 2418.740+/-0.268 χ^2/NDF: 607117.7/60

asym_atl1_dit_correction_mean vs Slug



Right In: 774.674+/-173.854 χ^2/NDF: 41.9/33

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 1062.135+/-178.874 χ^2/NDF: 66.8/37

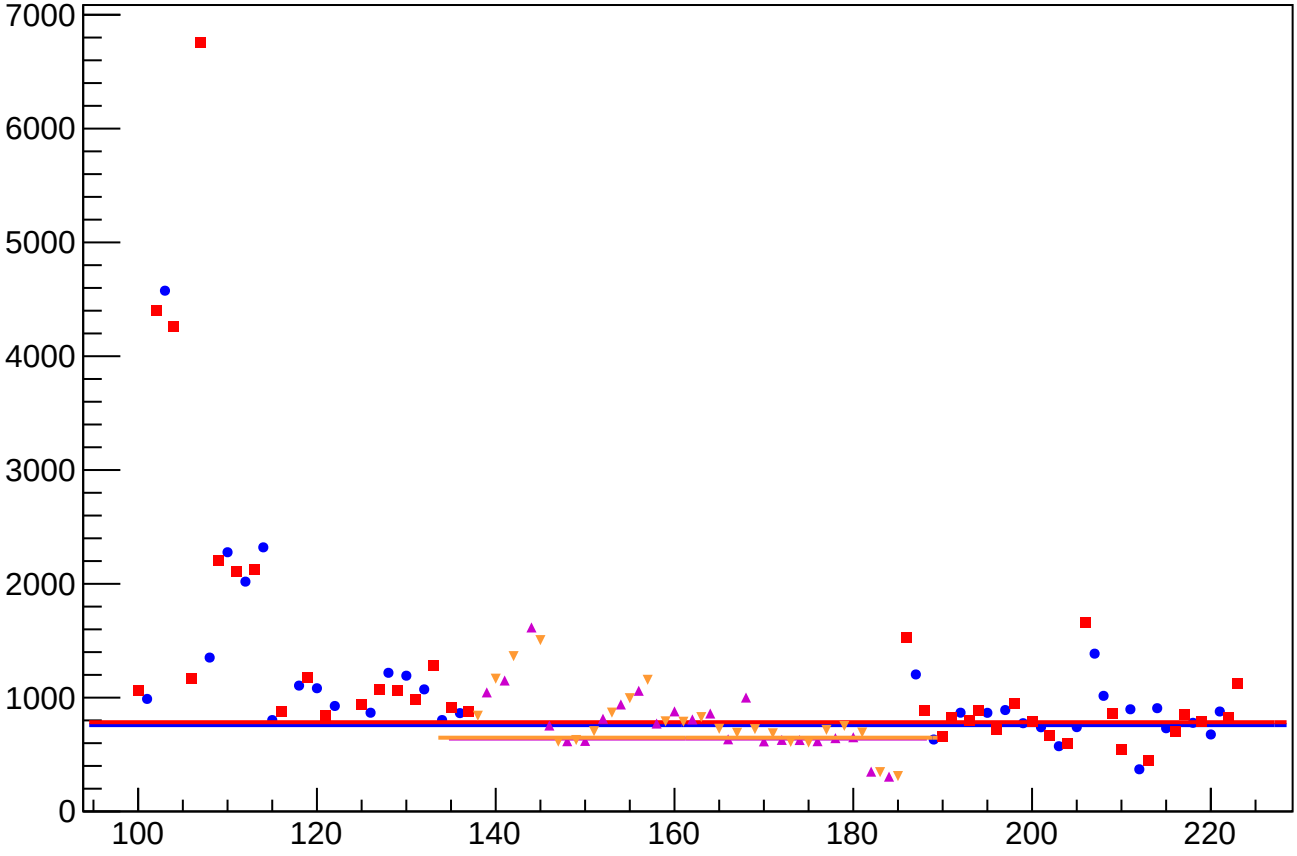
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 531.783+/-117.747 χ^2/NDF: 72.2/57

All: 485.349+/-83.740 χ^2/NDF: 184.0/118

- sign 437.829+/-119.116 χ^2/NDF: 111.4/60

asym_atl1_dit_correction_rms vs Slug



Right In: 758.488+/-0.123 χ^2/NDF: 5144496.5/33

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 784.225+/-0.126 χ^2/NDF: 5998329.5/37

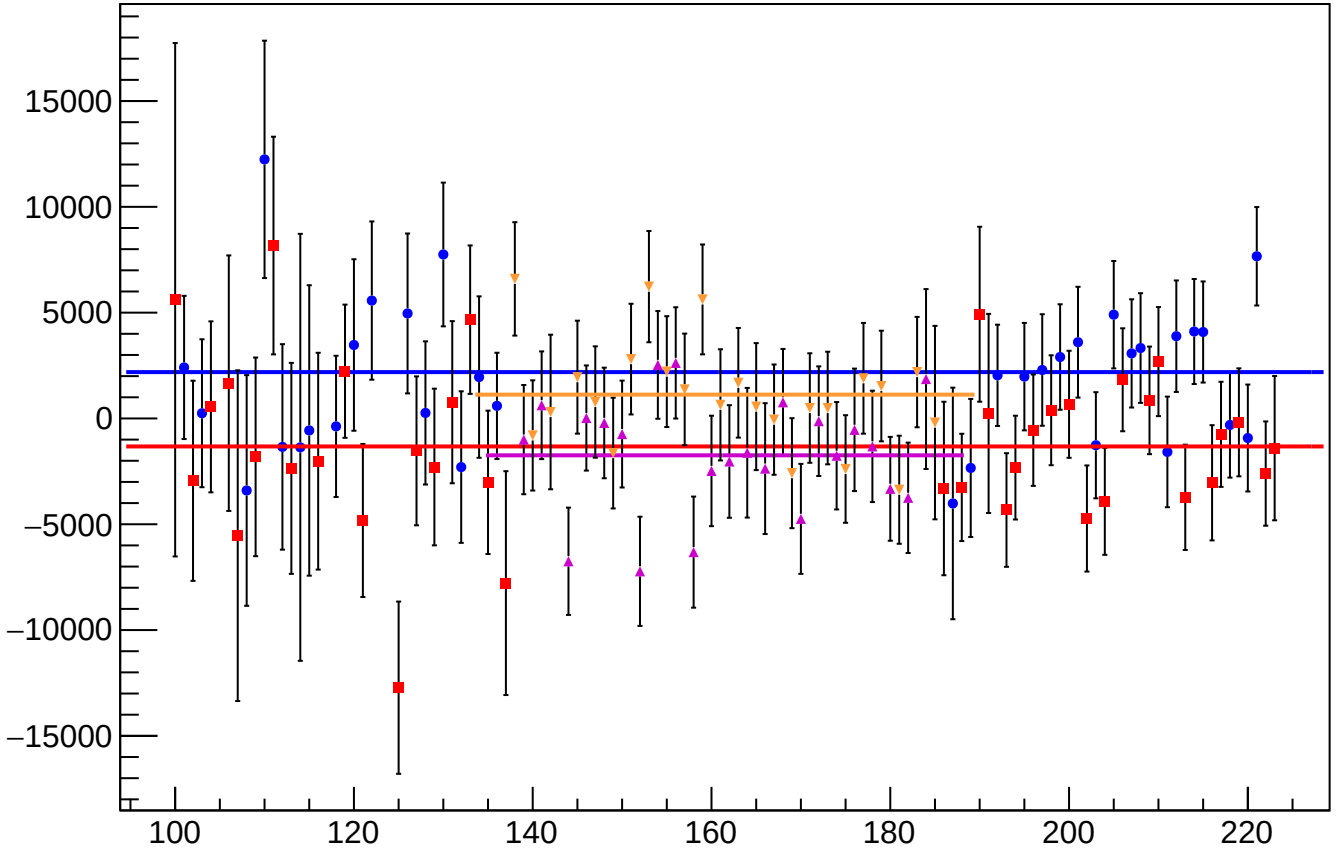
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 698.735+/-0.083 χ^2/NDF: 9467942.0/57

All: 701.432+/-0.059 χ^2/NDF: 20316563.2/11

- sign 704.192+/-0.084 χ^2/NDF: 10846498.2/60

eigen_dit_asym_atl1_mean vs Slug



Right In: 2190.199+/-517.433 χ^2/NDF: 31.2/33

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1322.756+/-519.321 χ^2/NDF: 35.1/37

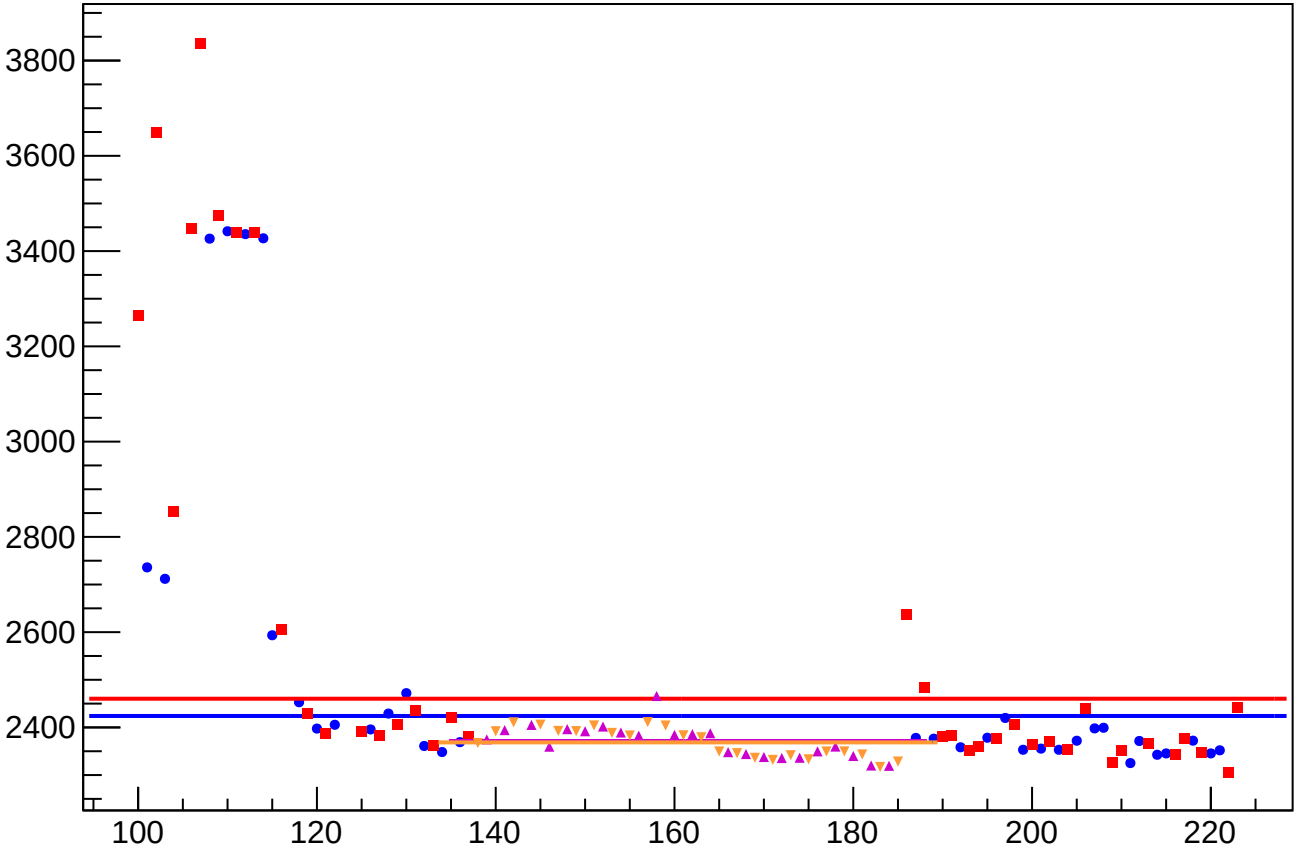
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1690.172+/-376.814 χ^2/NDF: 54.4/57

All: 93.995+/-267.149 χ^2/NDF: 149.6/118

- sign -1519.081+/-378.804 χ^2/NDF: 59.2/60

eigen_dit_asym_atl1_rms vs Slug



Right In: 2424.039+/-0.366 χ^2/NDF: 296203.5/33

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2460.272+/-0.367 χ^2/NDF: 572727.9/37

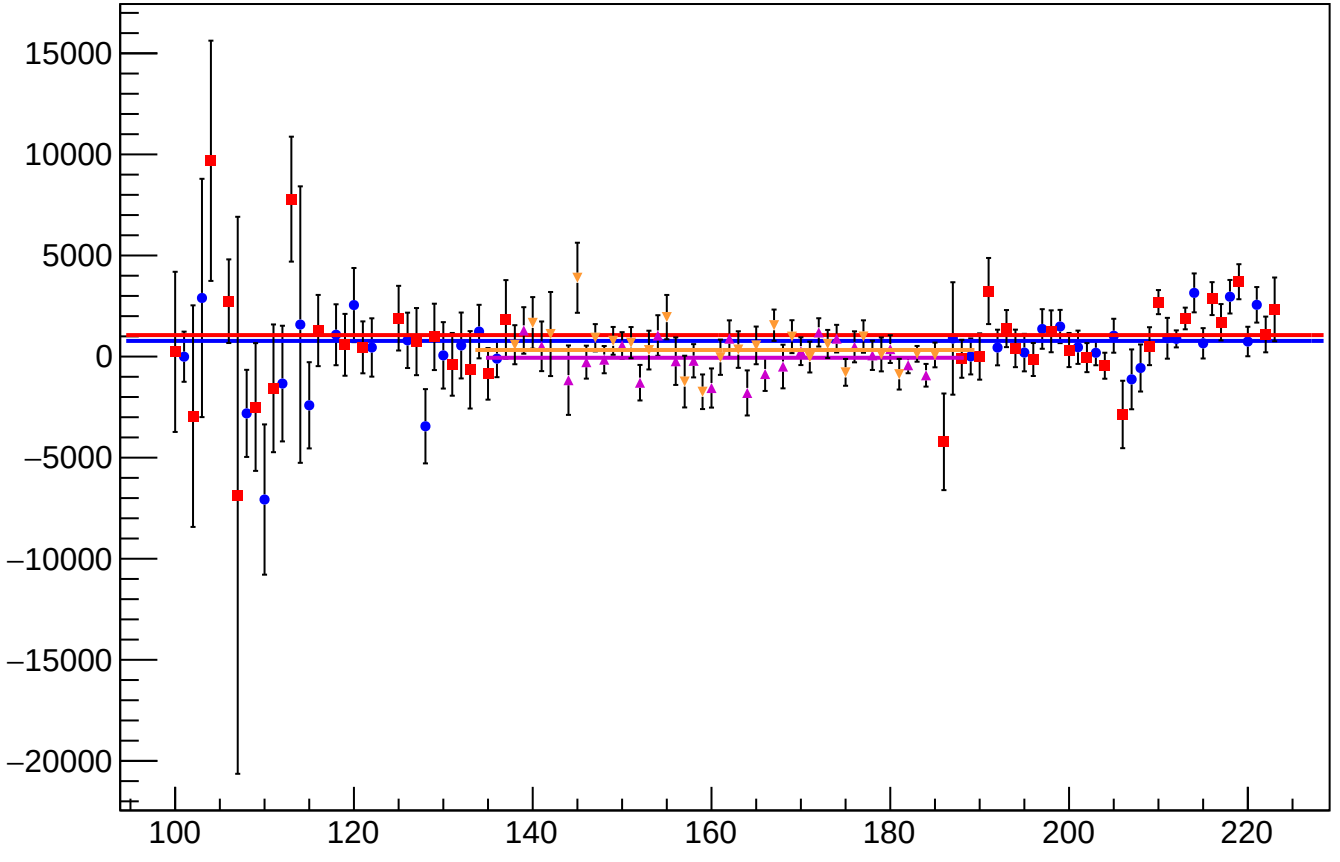
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2397.986+/-0.266 χ^2/NDF: 312569.9/57

All: 2408.308+/-0.189 χ^2/NDF: 922704.0/118

- sign 2418.740+/-0.268 χ^2/NDF: 607116.7/60

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 774.673+/-173.854 χ^2/NDF: 41.9/33

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 1062.134+/-178.873 χ^2/NDF: 66.8/37

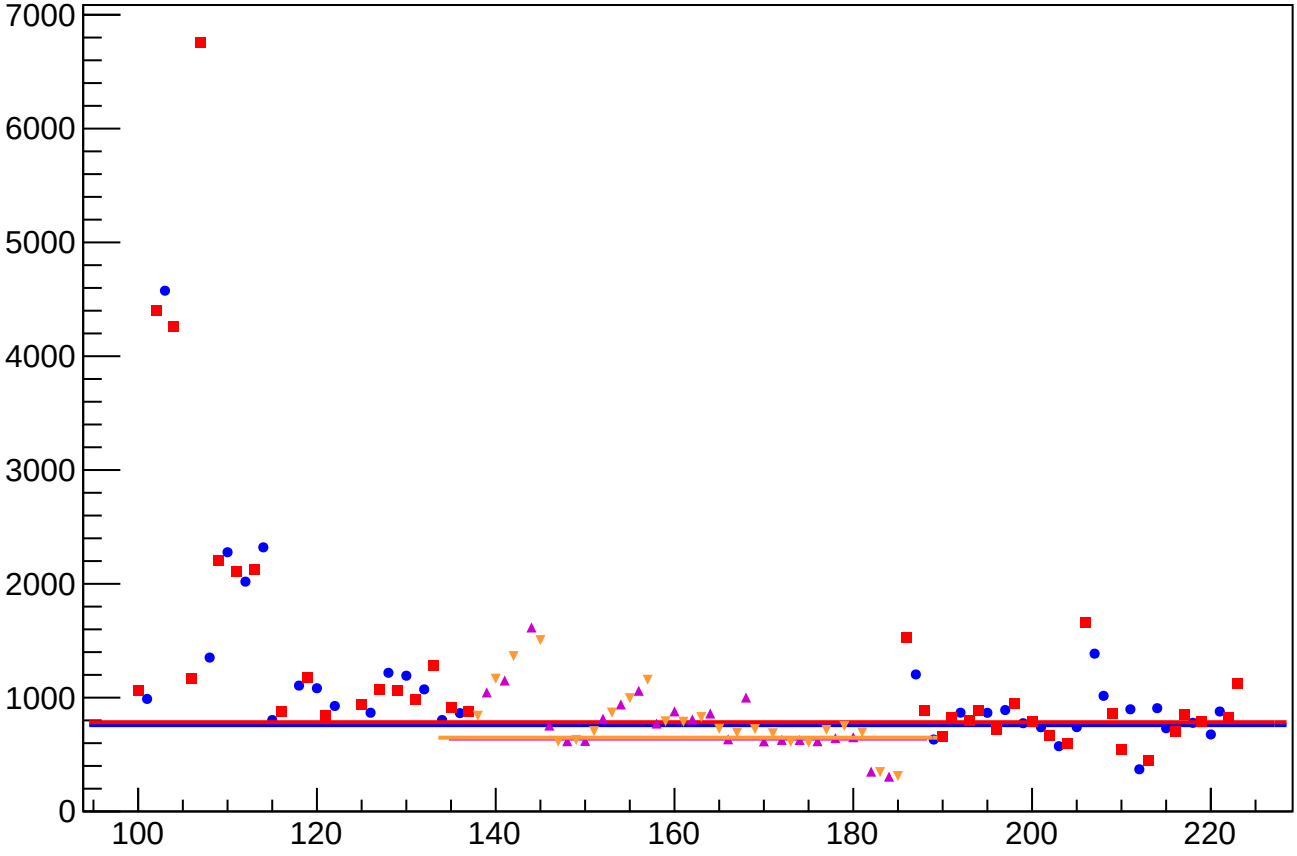
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 531.783+/-117.747 χ^2/NDF: 72.2/57

All: 485.349+/-83.740 χ^2/NDF: 184.0/118

- sign 437.830+/-119.116 χ^2/NDF: 111.4/60

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 758.487+/-0.123 χ^2/NDF: 5144504.6/33

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 784.225+/-0.126 χ^2/NDF: 5998339.7/37

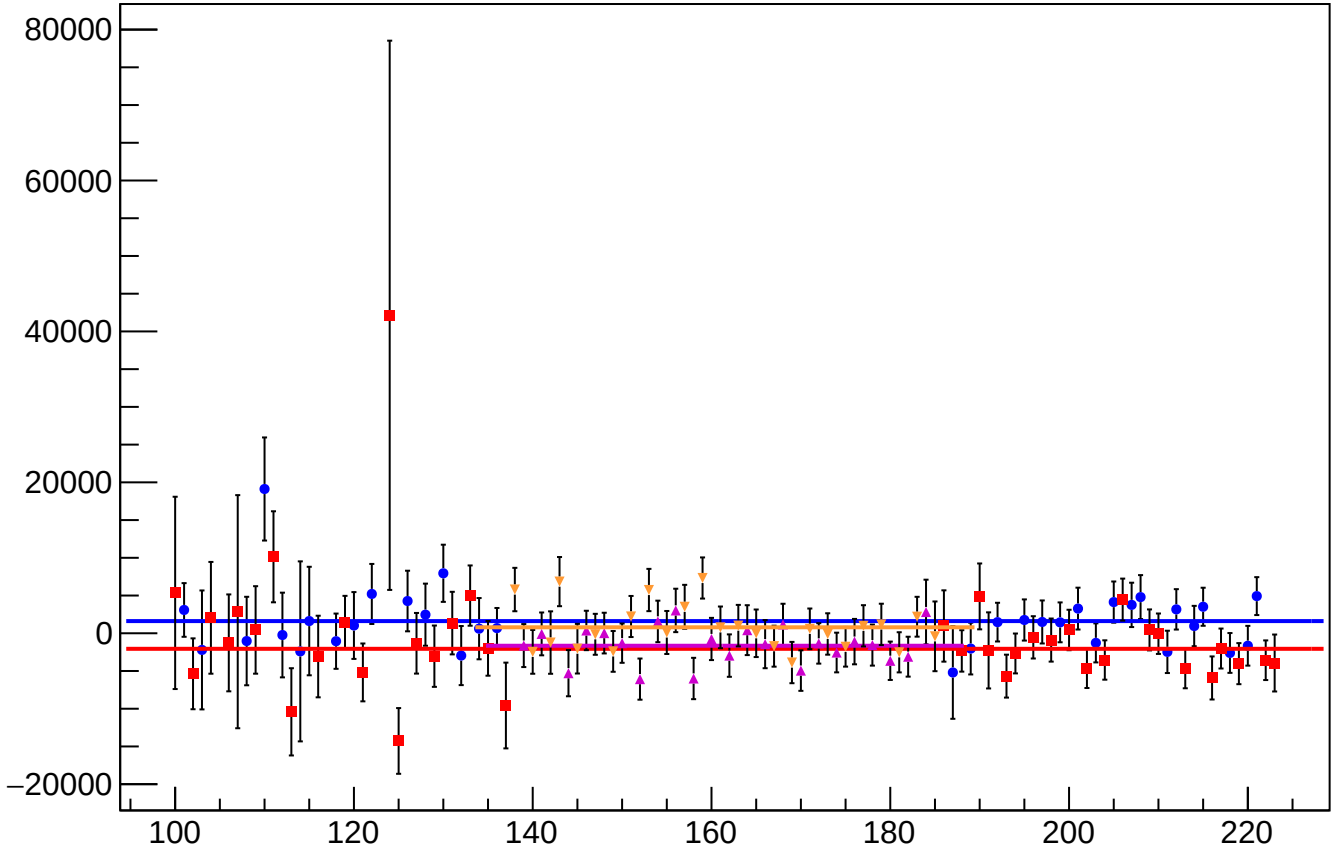
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 698.736+/-0.083 χ^2/NDF: 9467946.9/57

All: 701.433+/-0.059 χ^2/NDF: 20316578.9/11

- sign 704.193+/-0.084 χ^2/NDF: 10846508.9/60

asym_atl1_mean vs Slug



Right In: 1613.474+/-561.464 χ^2/NDF: 29.1/33

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -2060.400+/-562.751 χ^2/NDF: 42.4/38

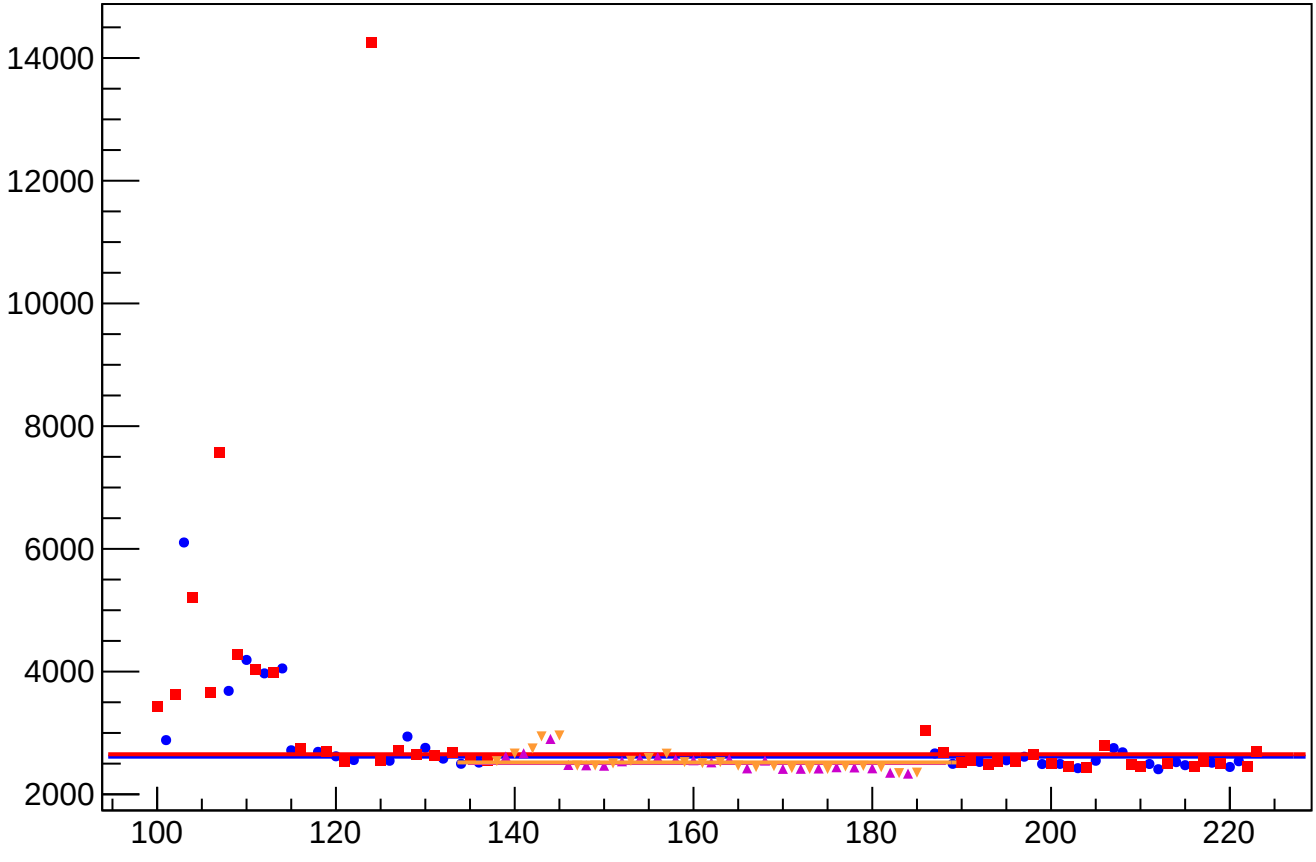
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1211.005+/-401.123 χ^2/NDF: 57.2/58

All: -308.330+/-285.397 χ^2/NDF: 146.2/120

- sign -1865.987+/-406.150 χ^2/NDF: 60.0/61

asym_atl1_rms vs Slug



Right In: 2613.473+/-0.397 χ^2/NDF: 812687.6/33

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2652.761+/-0.398 χ^2/NDF: 1285182.2/38

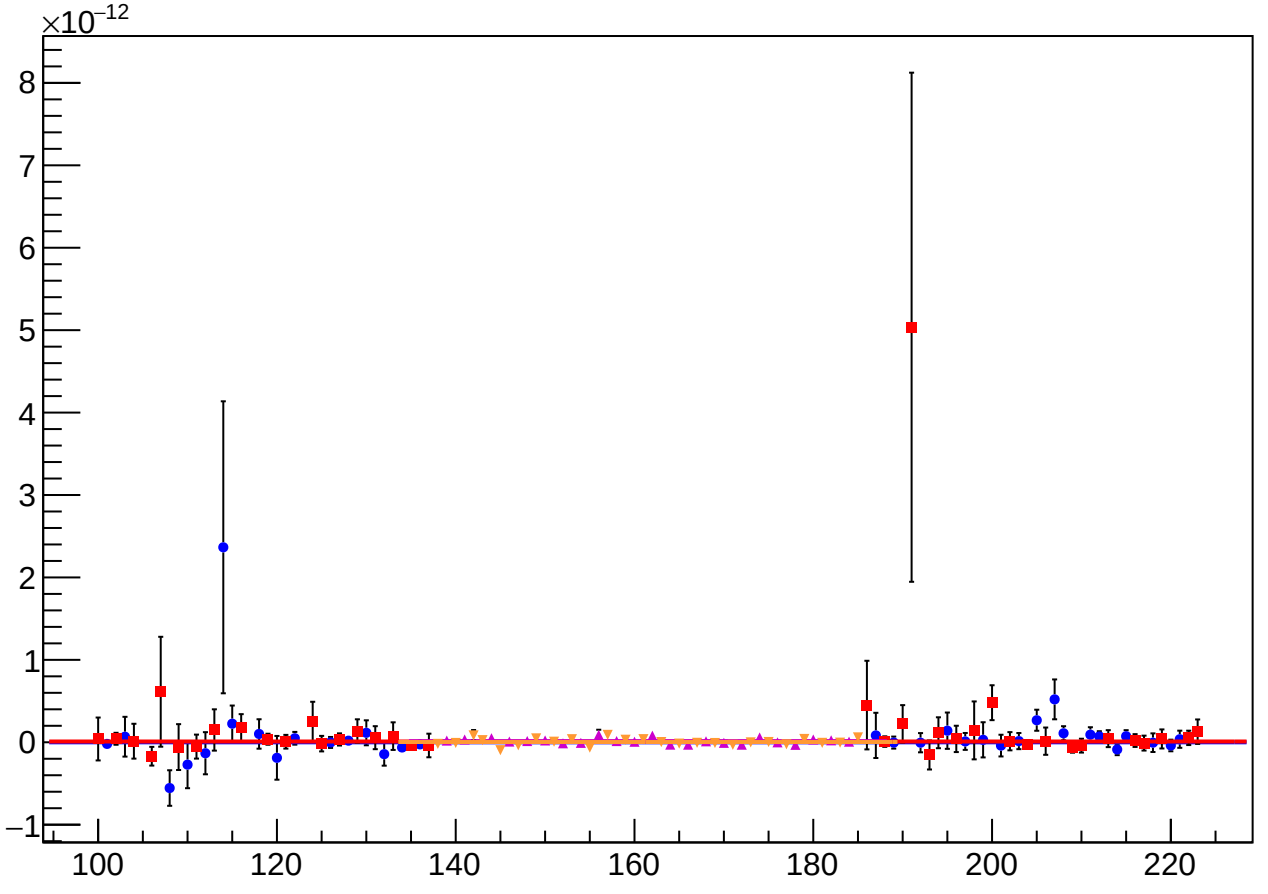
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2567.472+/-0.284 χ^2/NDF: 955313.5/58

All: 2575.848+/-0.202 χ^2/NDF: 2377566.9/12

- sign 2584.437+/-0.287 χ^2/NDF: 1420486.9/61

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/38

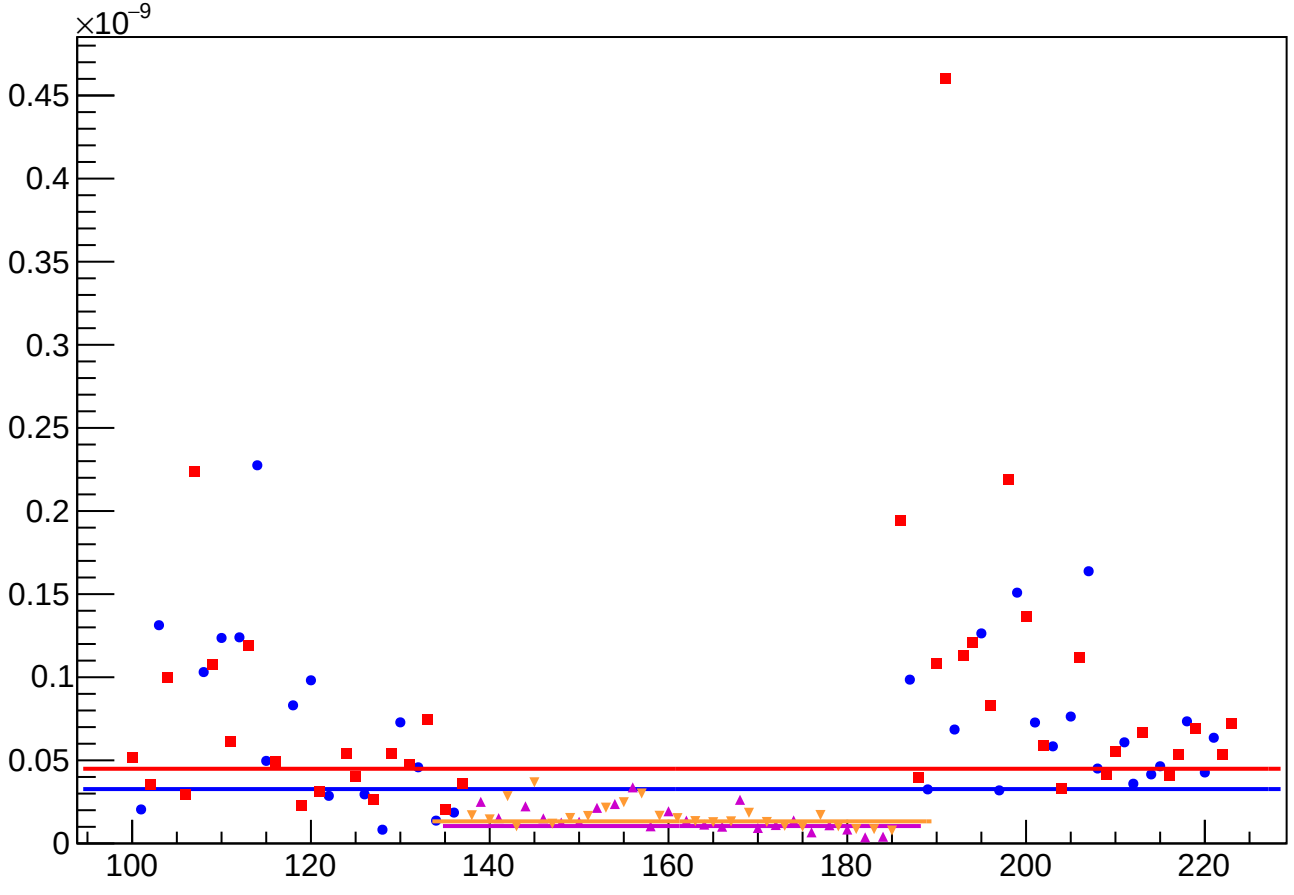
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/58

All: 0.000+/-0.000 χ^2/NDF: 118.6/120

- sign 0.000+/-0.000 χ^2/NDF: 54.3/61

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6357685.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4320170.2/38

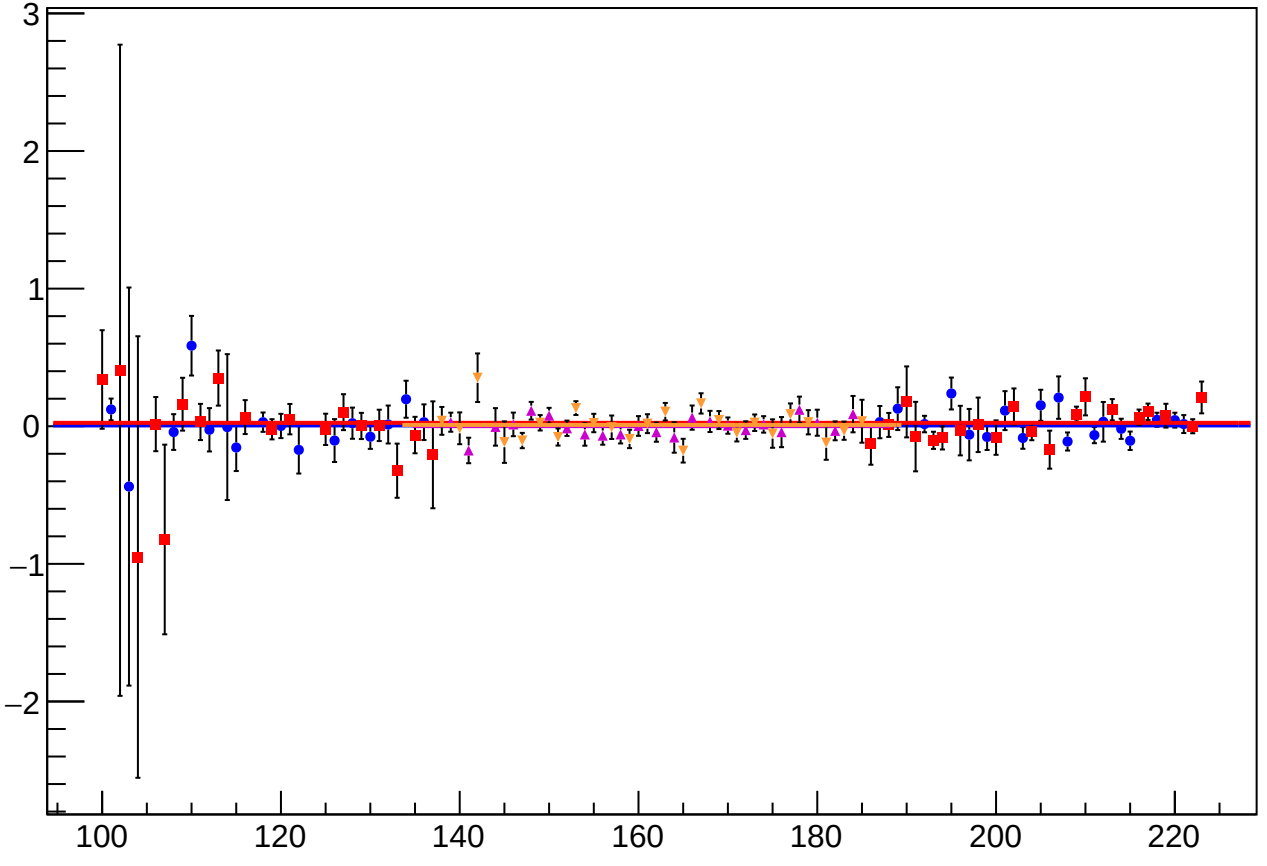
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11332721.2/58

All: 0.000+/-0.000 χ^2/NDF: 26521418.0/120

- sign 0.000+/-0.000 χ^2/NDF: 14855718.0/61

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 34.7/33

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

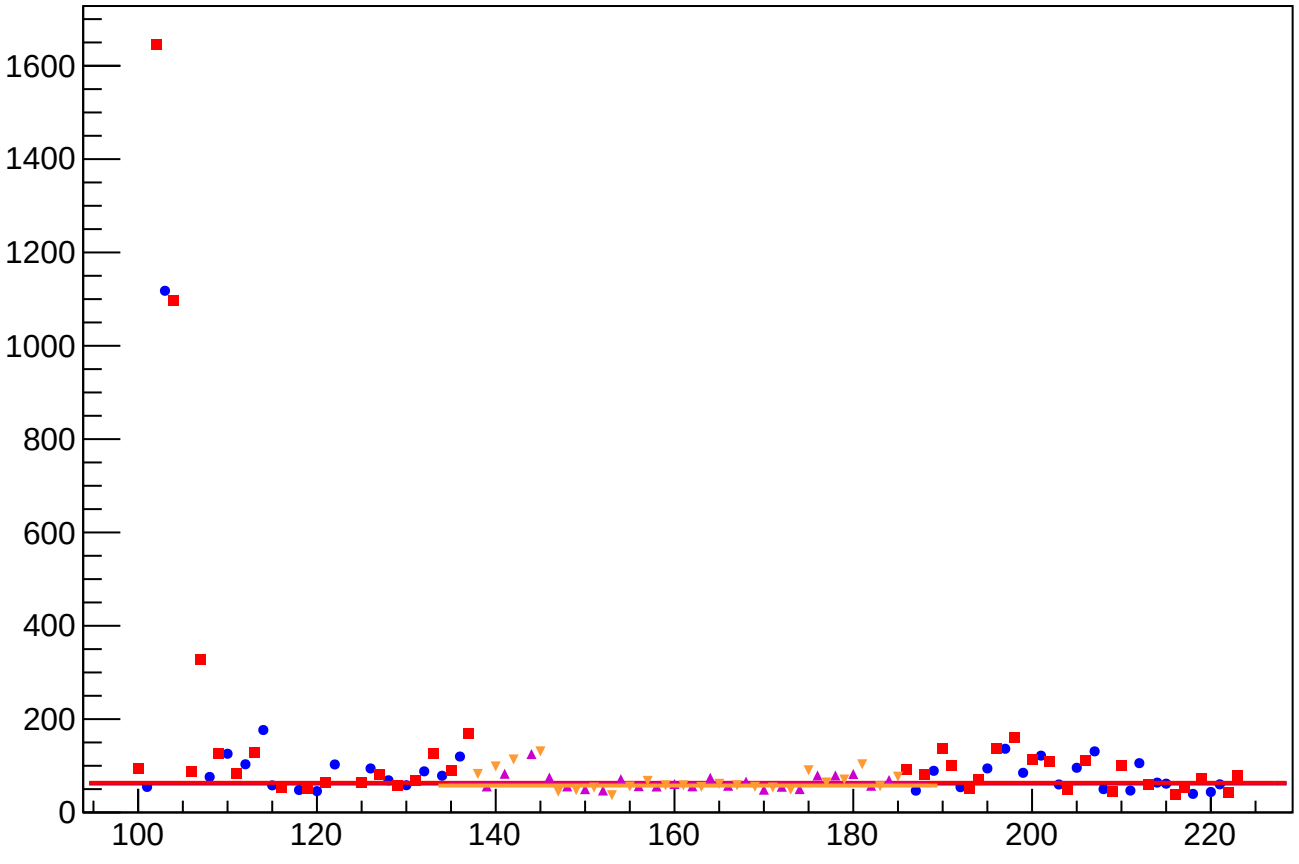
Right Out: 0.025+/-0.016 χ^2/NDF: 33.4/37

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/57

All: 0.010+/-0.008 χ^2/NDF: 119.7/118

- sign 0.012+/-0.011 χ^2/NDF: 50.2/60



Right In: 62.100+/-0.011 χ^2/NDF: 5011550.9/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 63.488+/-0.012 χ^2/NDF: 6478874.2/37

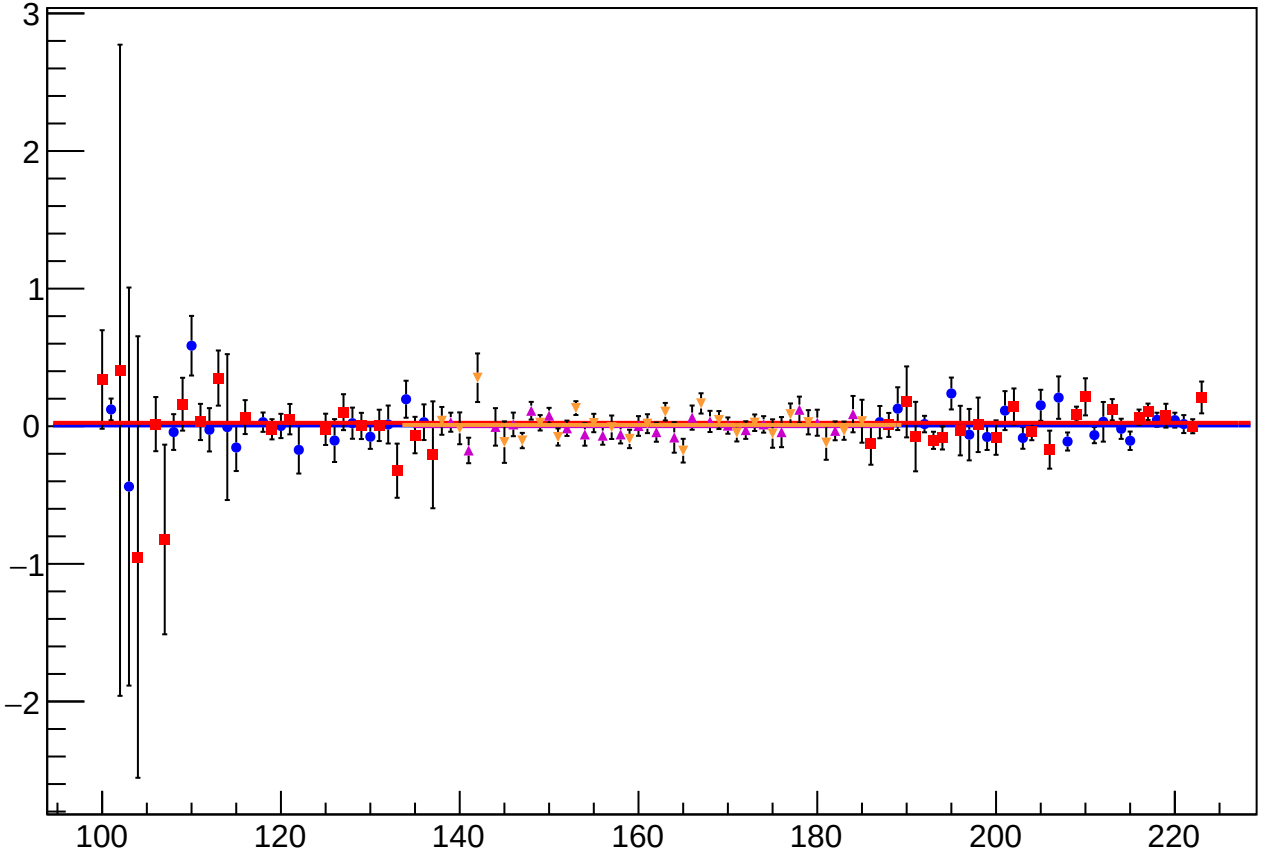
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.744+/-0.008 χ^2/NDF: 7308882.7/57

All: 60.628+/-0.006 χ^2/NDF: 15208186.8/118

- sign 61.561+/-0.008 χ^2/NDF: 7872451.7/60

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 34.7/33

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.025+/-0.016 χ^2/NDF: 33.4/37

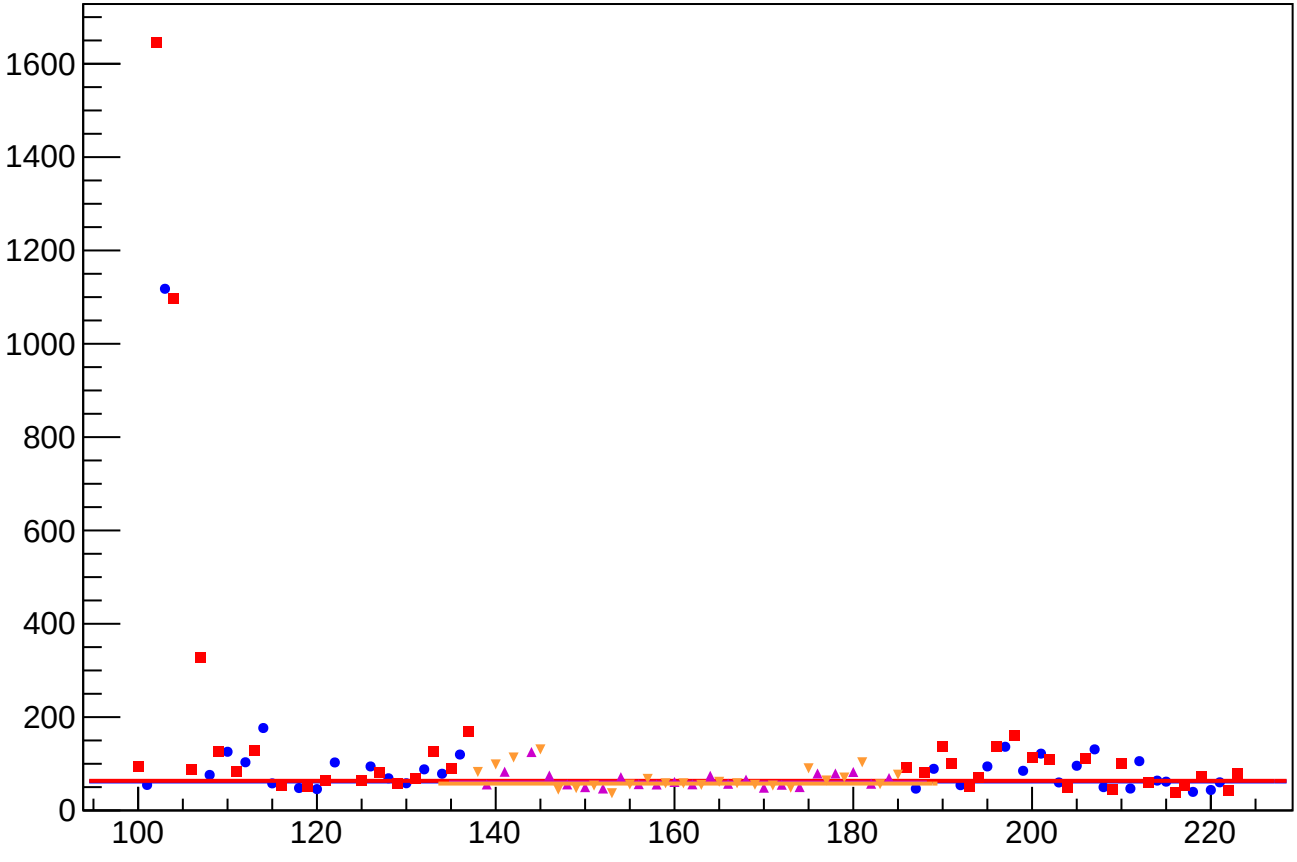
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/57

All: 0.010+/-0.008 χ^2/NDF: 119.7/118

- sign 0.012+/-0.011 χ^2/NDF: 50.2/60

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.100+/-0.011 χ^2/NDF: 5011550.9/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

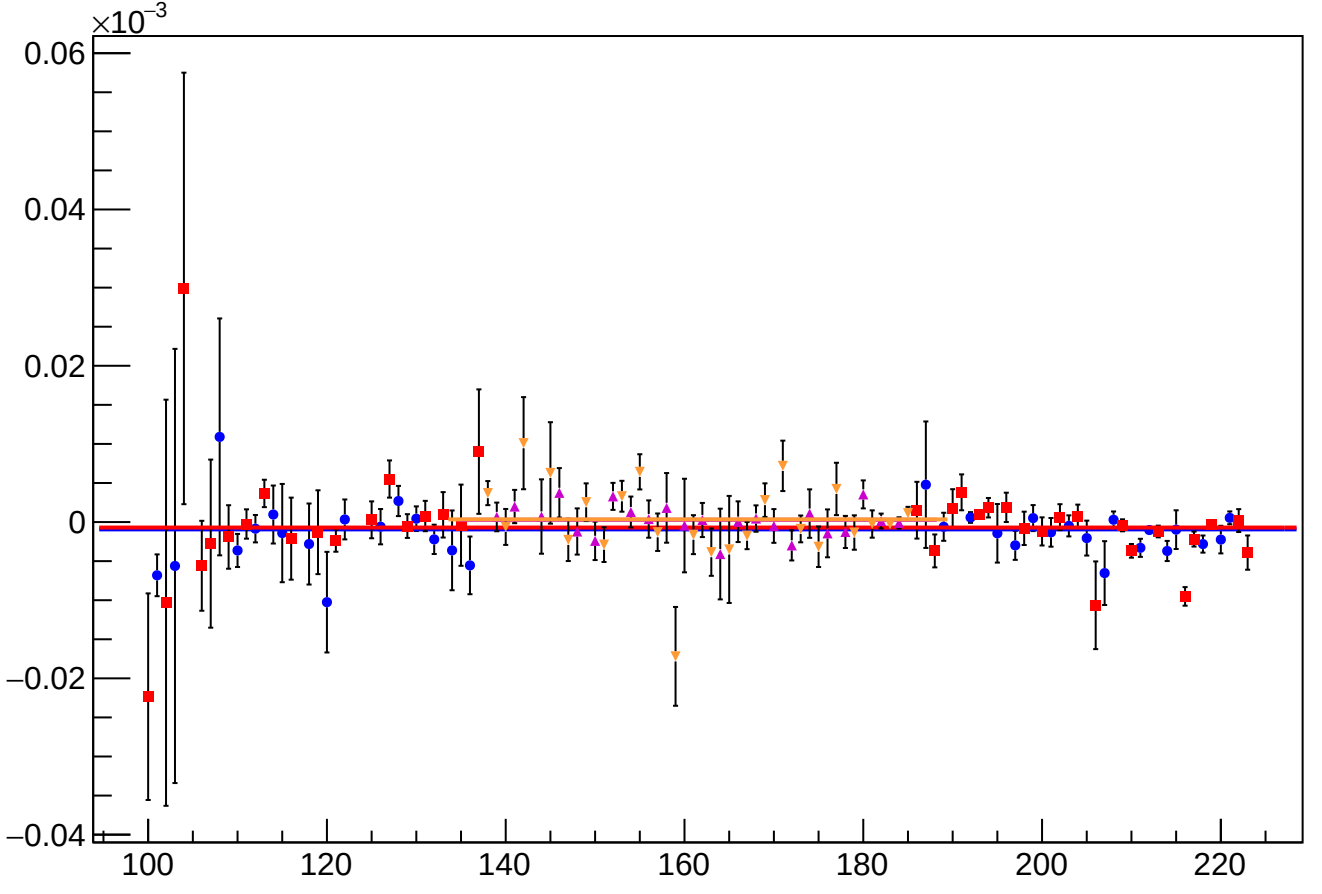
Right Out: 63.488+/-0.012 χ^2/NDF: 6478874.2/37

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.744+/-0.008 χ^2/NDF: 7308882.7/57

All: 60.628+/-0.006 χ^2/NDF: 15208186.8/118

- sign 61.561+/-0.008 χ^2/NDF: 7872451.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 120.0/37

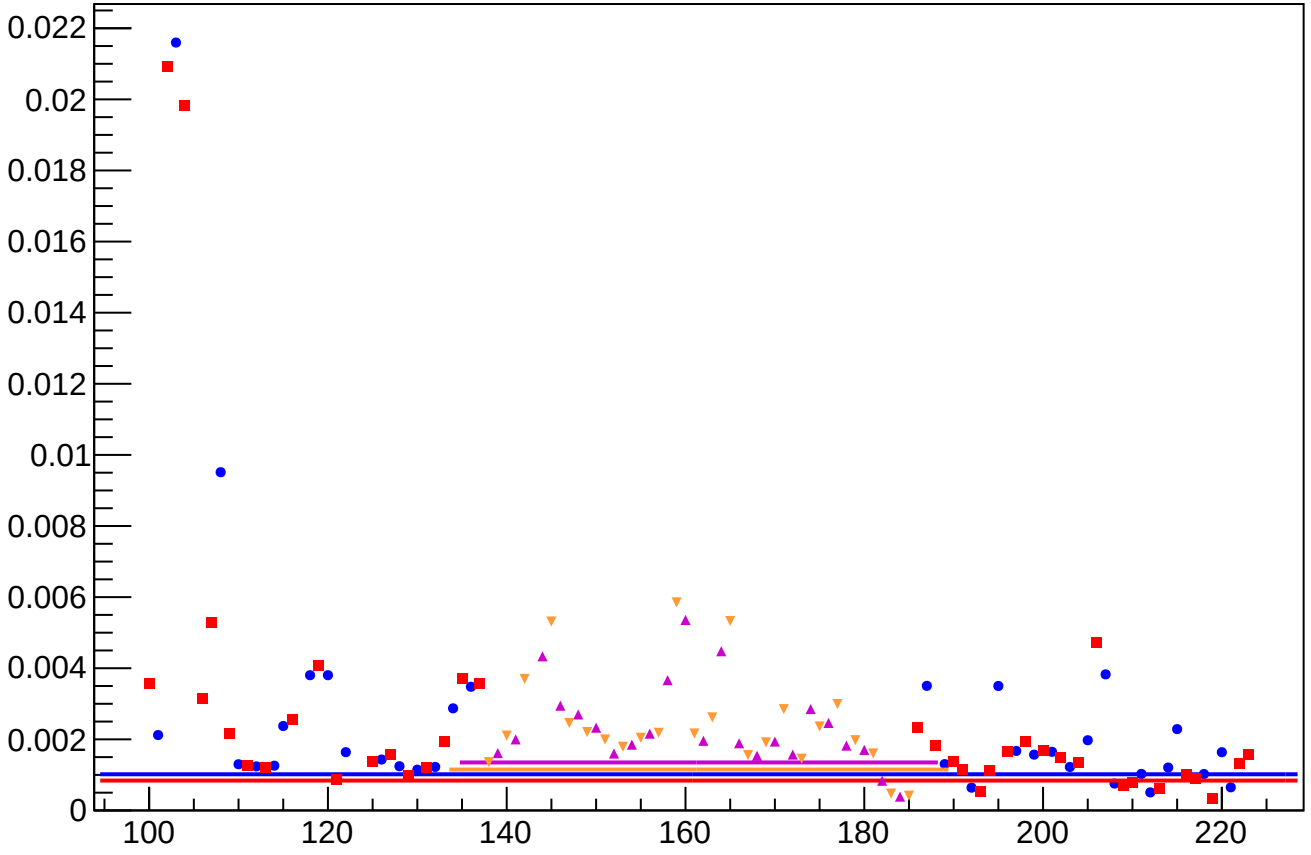
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 98.6/57

All: -0.000+/-0.000 χ^2/NDF: 238.5/118

- sign -0.000+/-0.000 χ^2/NDF: 139.9/60

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11228109.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 13270688.8/37

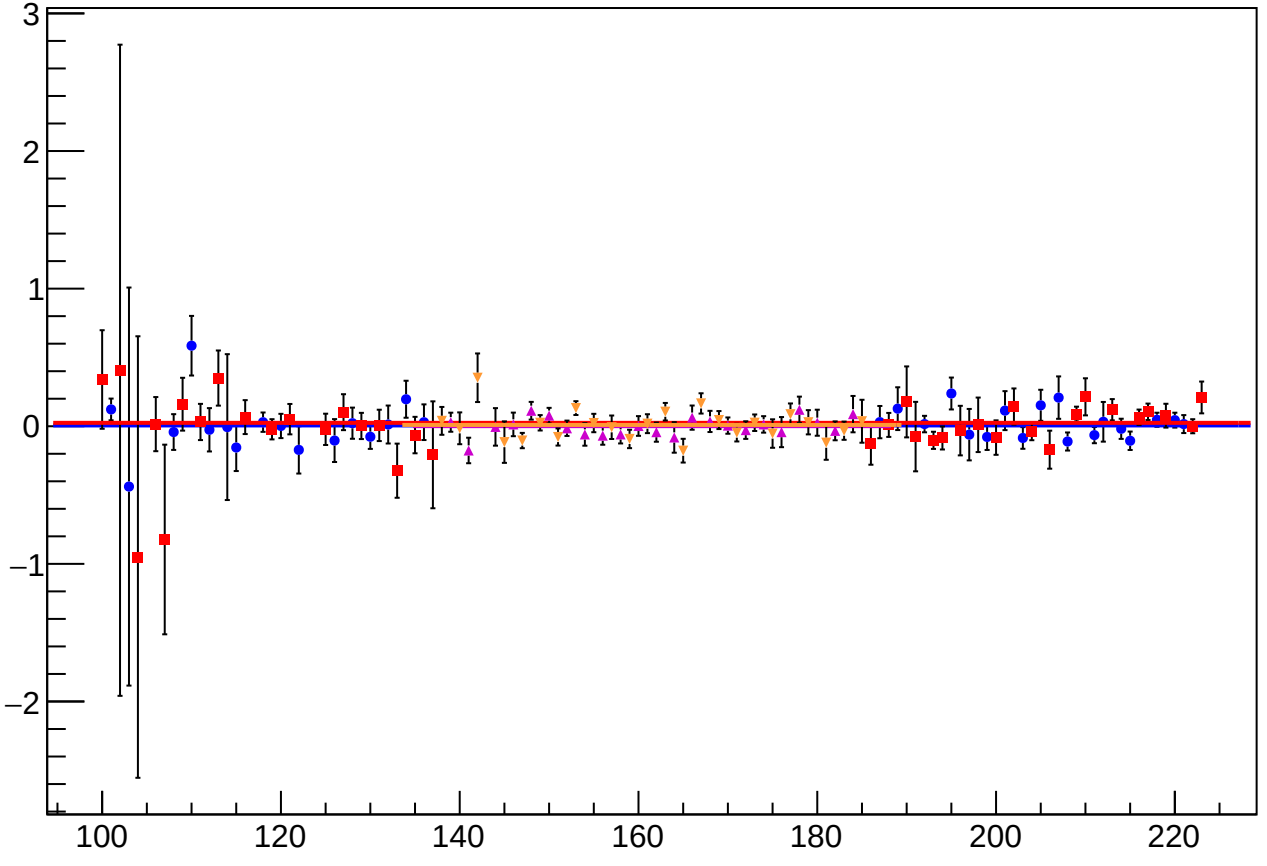
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 24659876.3/57

All: 0.001+/-0.000 χ^2/NDF: 51062561.1/118

- sign 0.001+/-0.000 χ^2/NDF: 26169192.9/60

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 34.7/33

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.025+/-0.016 χ^2/NDF: 33.4/37

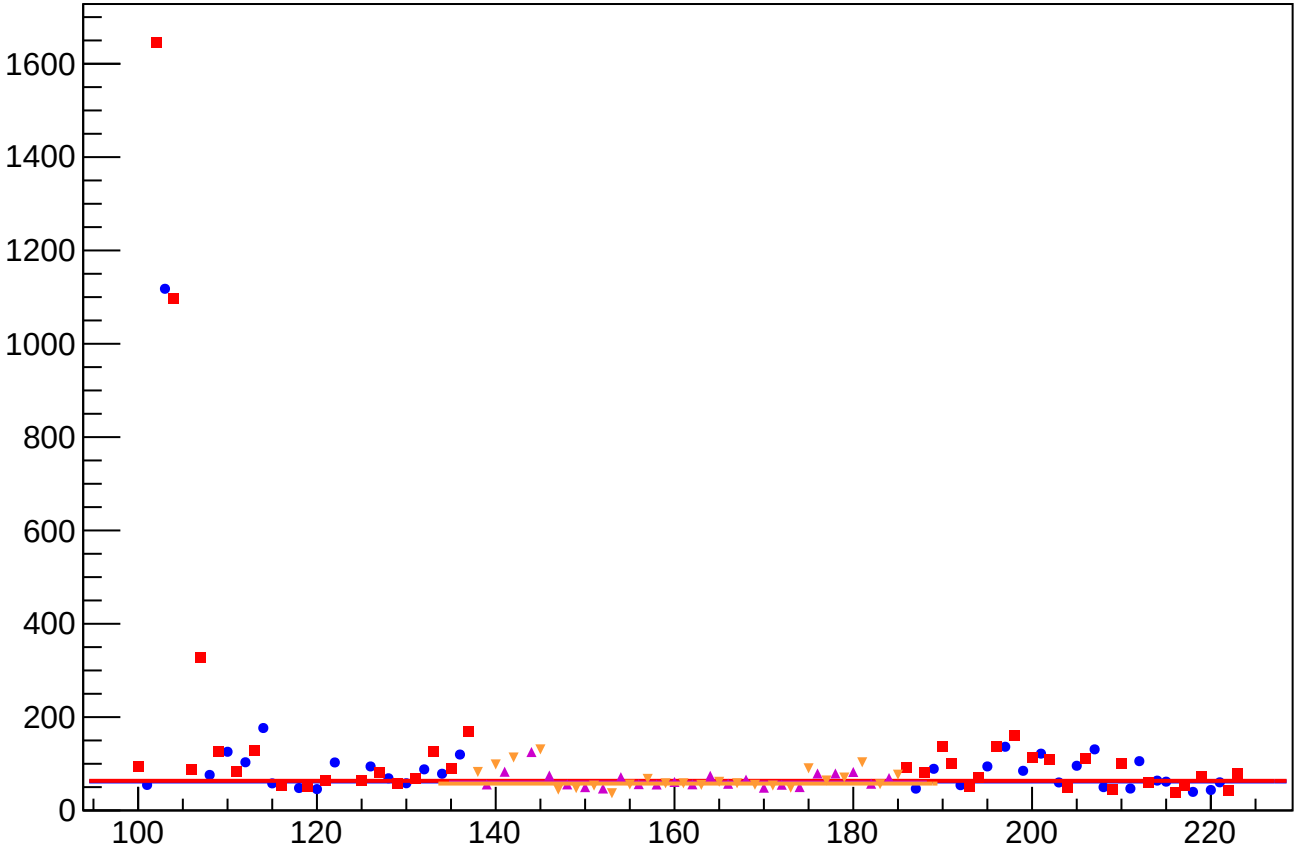
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/57

All: 0.010+/-0.008 χ^2/NDF: 119.7/118

- sign 0.012+/-0.011 χ^2/NDF: 50.2/60

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.100+/-0.011 χ^2/NDF: 5011668.7/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 63.488+/-0.012 χ^2/NDF: 6478863.8/37

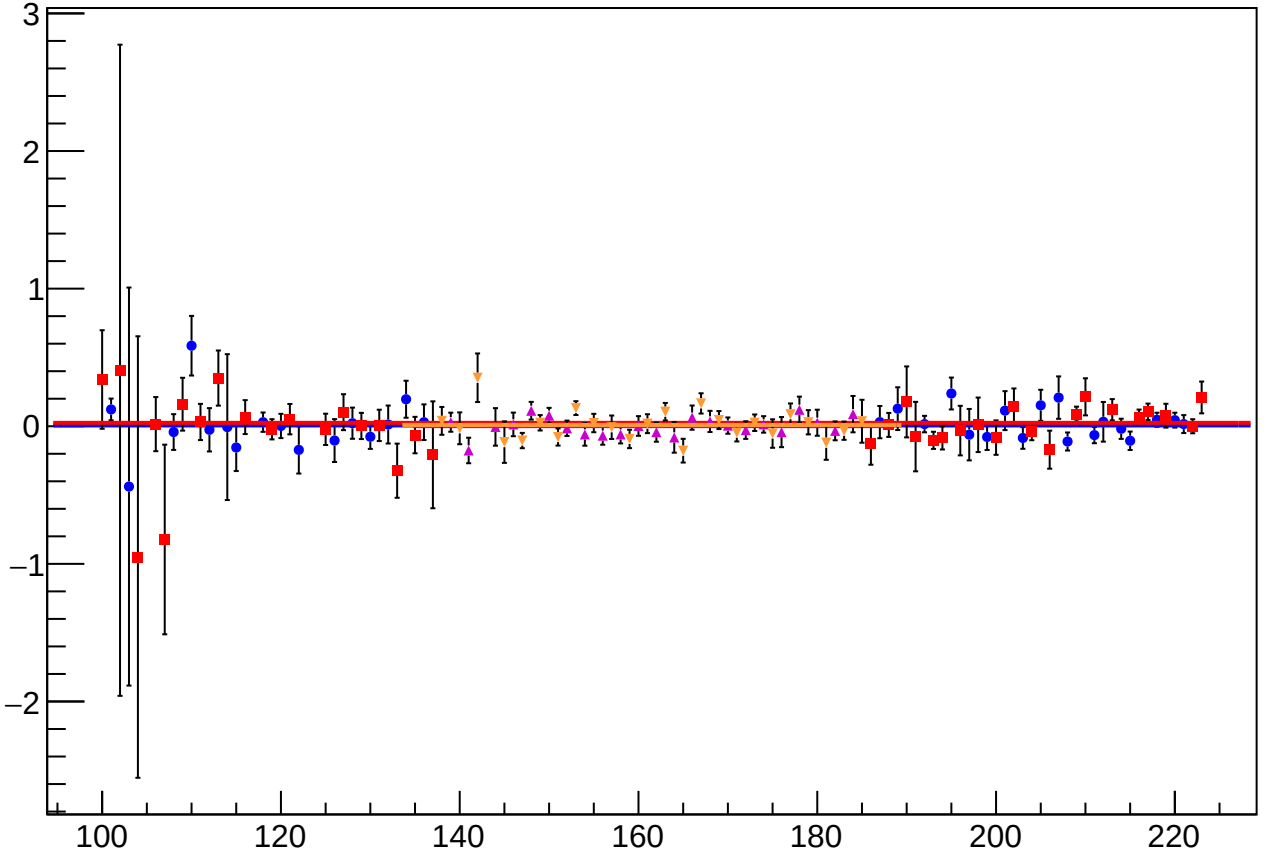
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.744+/-0.008 χ^2/NDF: 7309064.5/57

All: 60.628+/-0.006 χ^2/NDF: 15208349.4/118

- sign 61.561+/-0.008 χ^2/NDF: 7872424.6/60

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 34.7/33

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.025+/-0.016 χ^2/NDF: 33.4/37

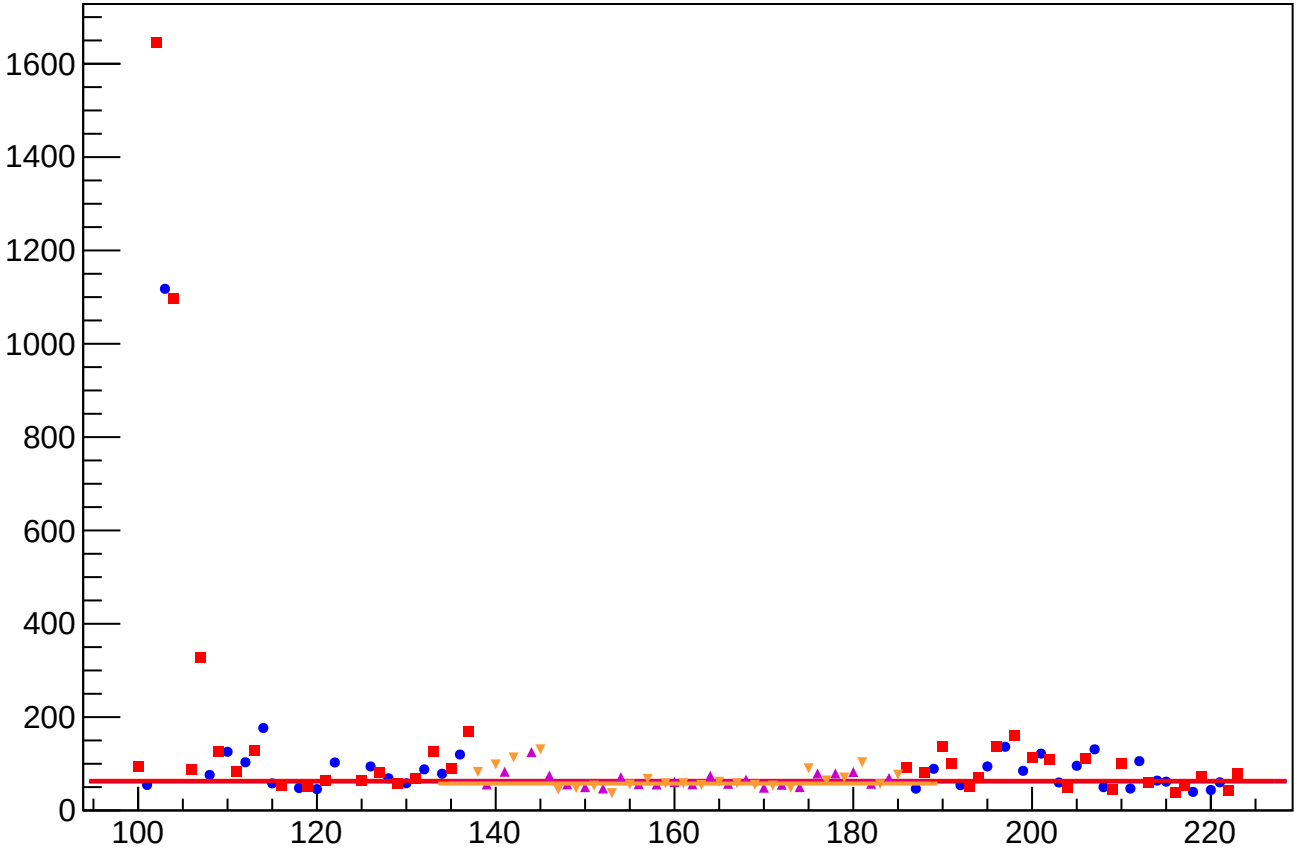
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/57

All: 0.010+/-0.008 χ^2/NDF: 119.7/118

- sign 0.012+/-0.011 χ^2/NDF: 50.2/60

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.100+/-0.011 χ^2/NDF: 5011668.7/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

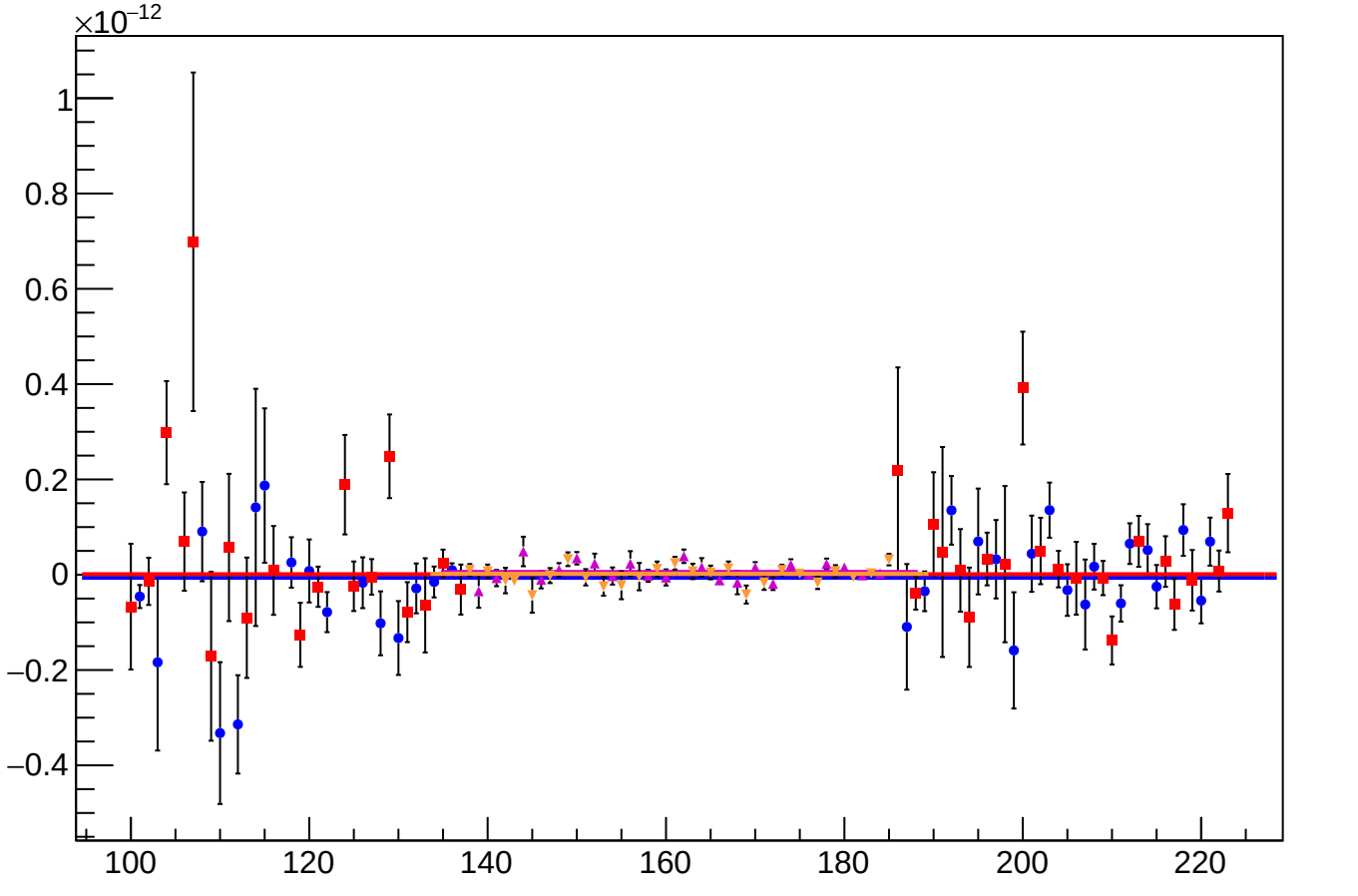
Right Out: 63.488+/-0.012 χ^2/NDF: 6478863.8/37

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.744+/-0.008 χ^2/NDF: 7309064.5/57

All: 60.628+/-0.006 χ^2/NDF: 15208349.4/118

- sign 61.561+/-0.008 χ^2/NDF: 7872424.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 56.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

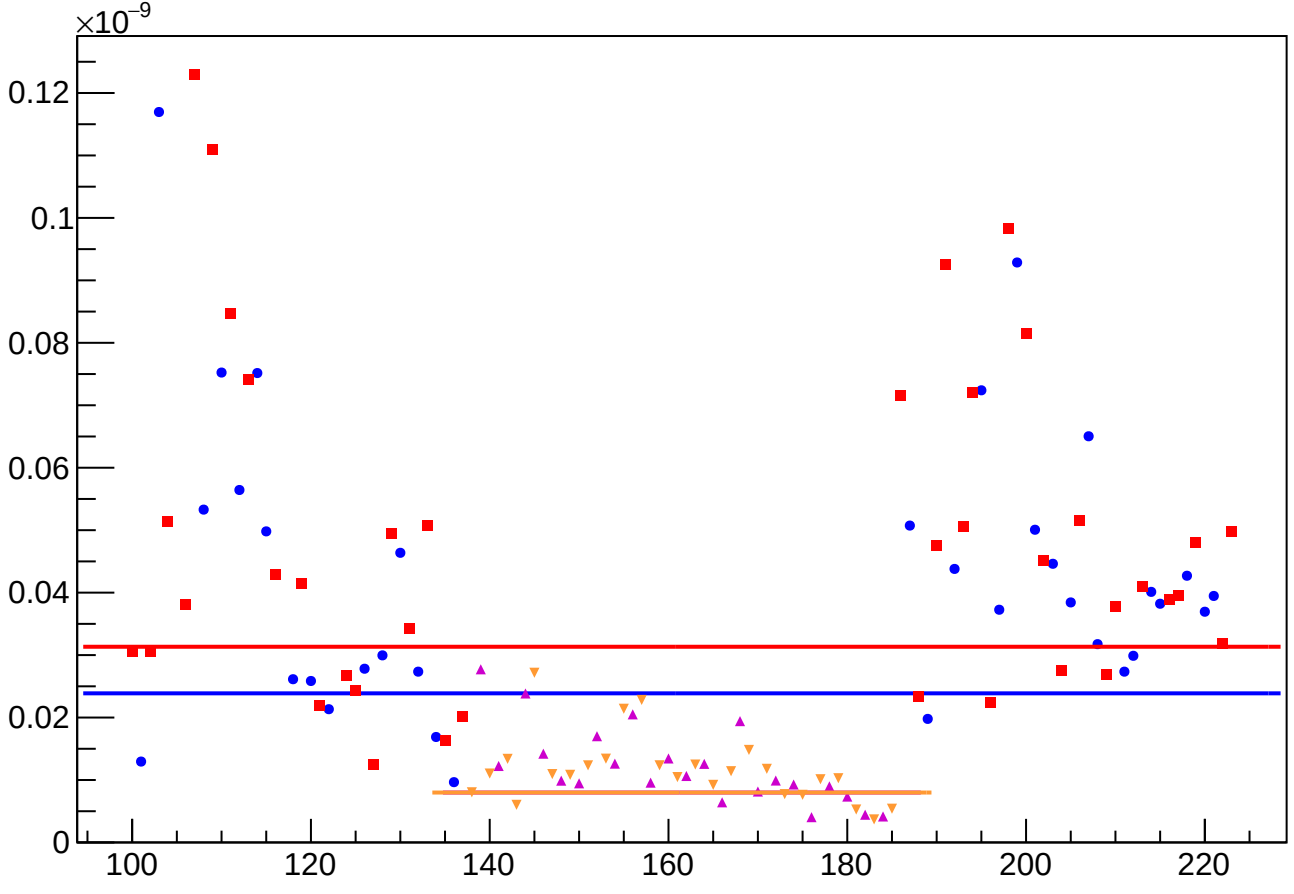
Right Out: 0.000+/-0.000 χ^2/NDF: 61.7/38

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.6/58

All: 0.000+/-0.000 χ^2/NDF: 185.7/120

- sign 0.000+/-0.000 χ^2/NDF: 94.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 7290794.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4824390.2/38

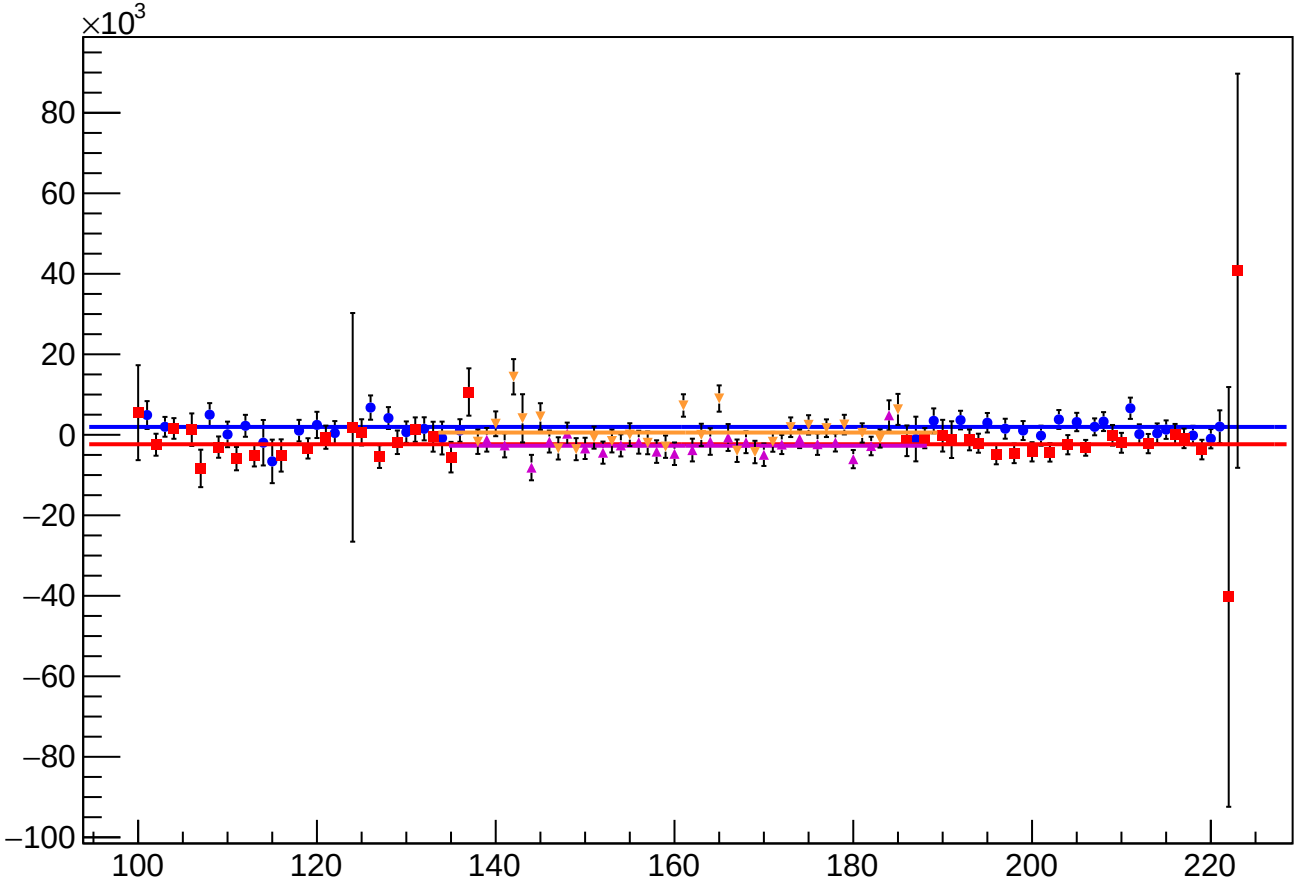
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 19420587.6/58

All: 0.000+/-0.000 χ^2/NDF: 40406138.0/120

- sign 0.000+/-0.000 χ^2/NDF: 20982341.8/61

reg_asym_atl2_mean vs Slug



Right In: 1956.919+/-468.005 χ^2/NDF: 19.4/33

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2344.171+/-470.078 χ^2/NDF: 26.2/38

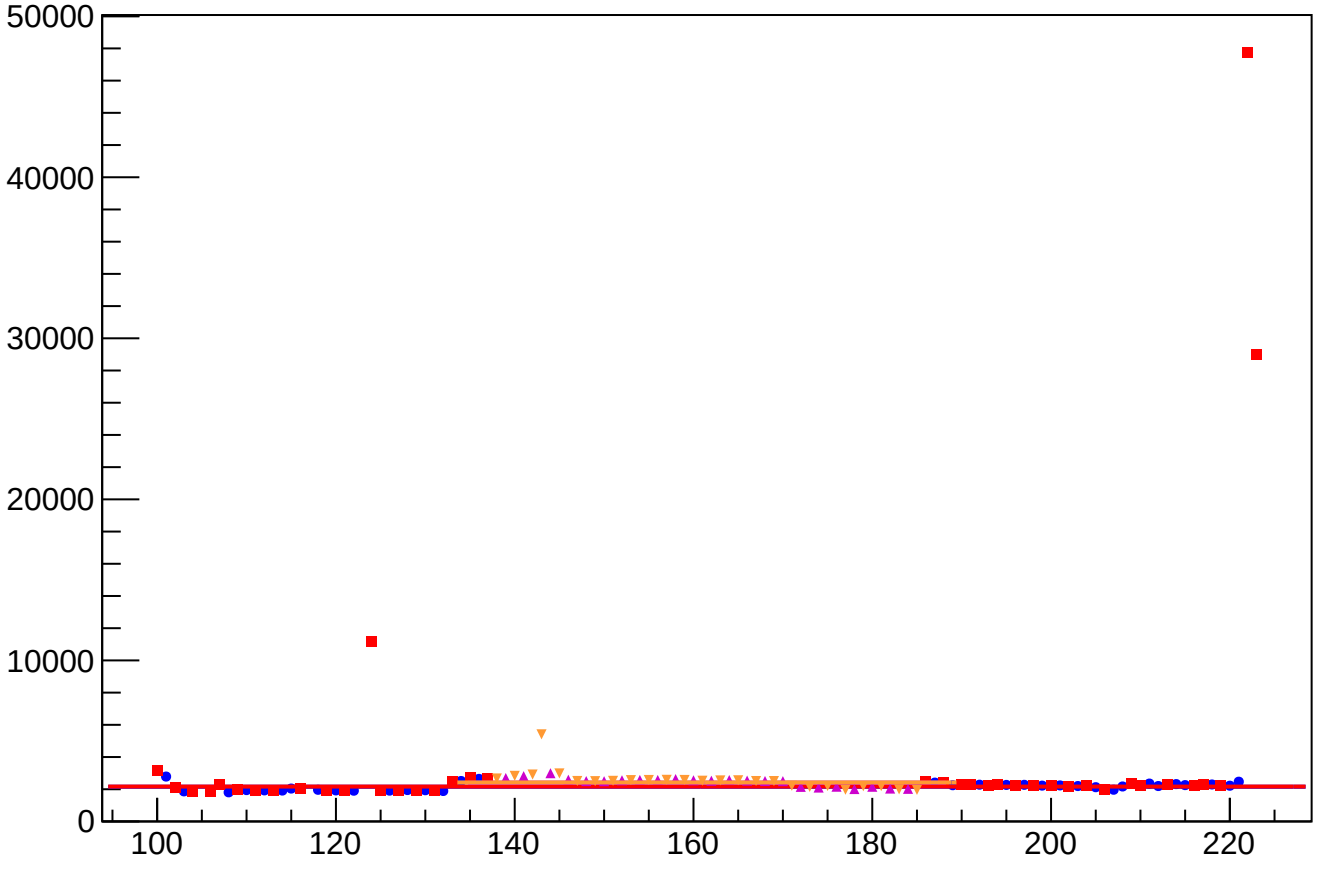
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1380.212+/-358.398 χ^2/NDF: 67.1/58

All: -540.239+/-254.576 χ^2/NDF: 165.7/120

- sign -2495.971+/-361.675 χ^2/NDF: 40.7/61

reg_asym_atl2_rms vs Slug



Right In: 2155.080+/-0.331 χ^2/NDF: 399520.4/33

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2166.274+/-0.332 χ^2/NDF: 2764491.1/38

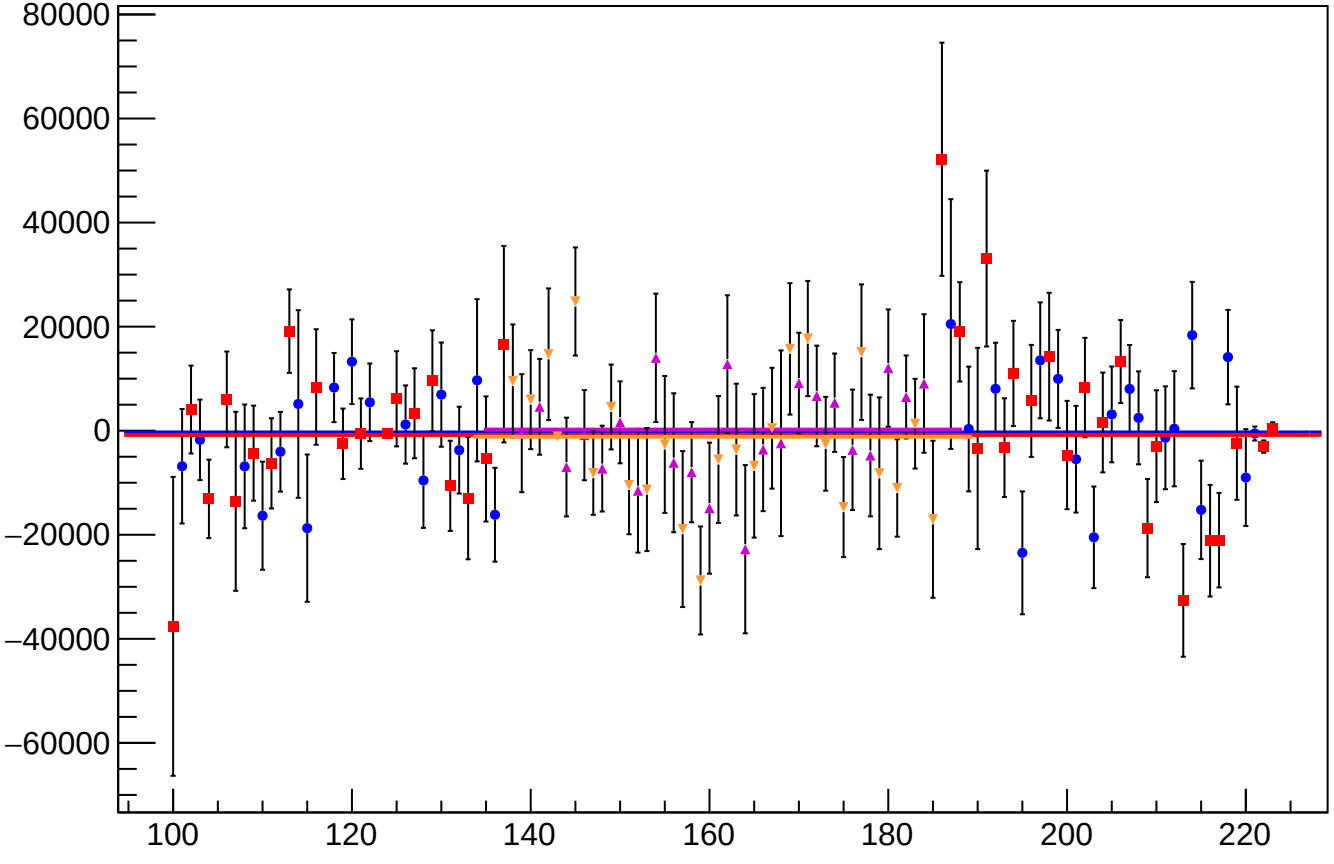
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2265.527+/-0.253 χ^2/NDF: 1621726.5/58

All: 2265.587+/-0.180 χ^2/NDF: 5033633.2/12

- sign 2265.648+/-0.256 χ^2/NDF: 3411906.6/61

asym_atl2_reg_correction_mean vs Slug



Right In: -338.991+/-1047.244 χ^2/NDF: 38.6/33

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -806.077+/-545.908 χ^2/NDF: 65.8/38

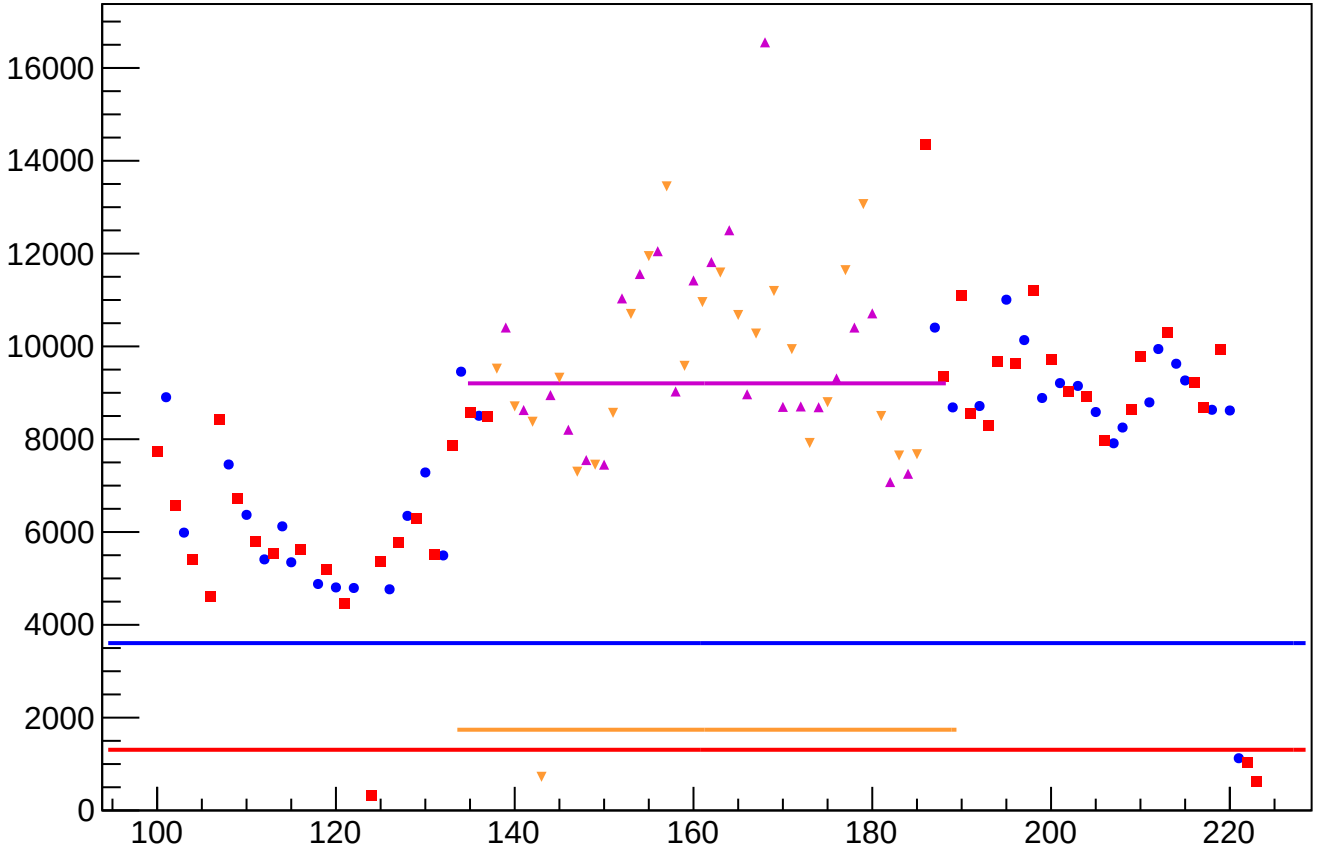
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -876.675+/-613.925 χ^2/NDF: 71.0/58

All: -802.297+/-401.084 χ^2/NDF: 150.4/120

- sign -746.913+/-529.770 χ^2/NDF: 79.4/61

asym_atl2_reg_correction_rms vs Slug



Right In: 3606.031+/-0.741 χ^2/NDF: 19578293.5/33

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

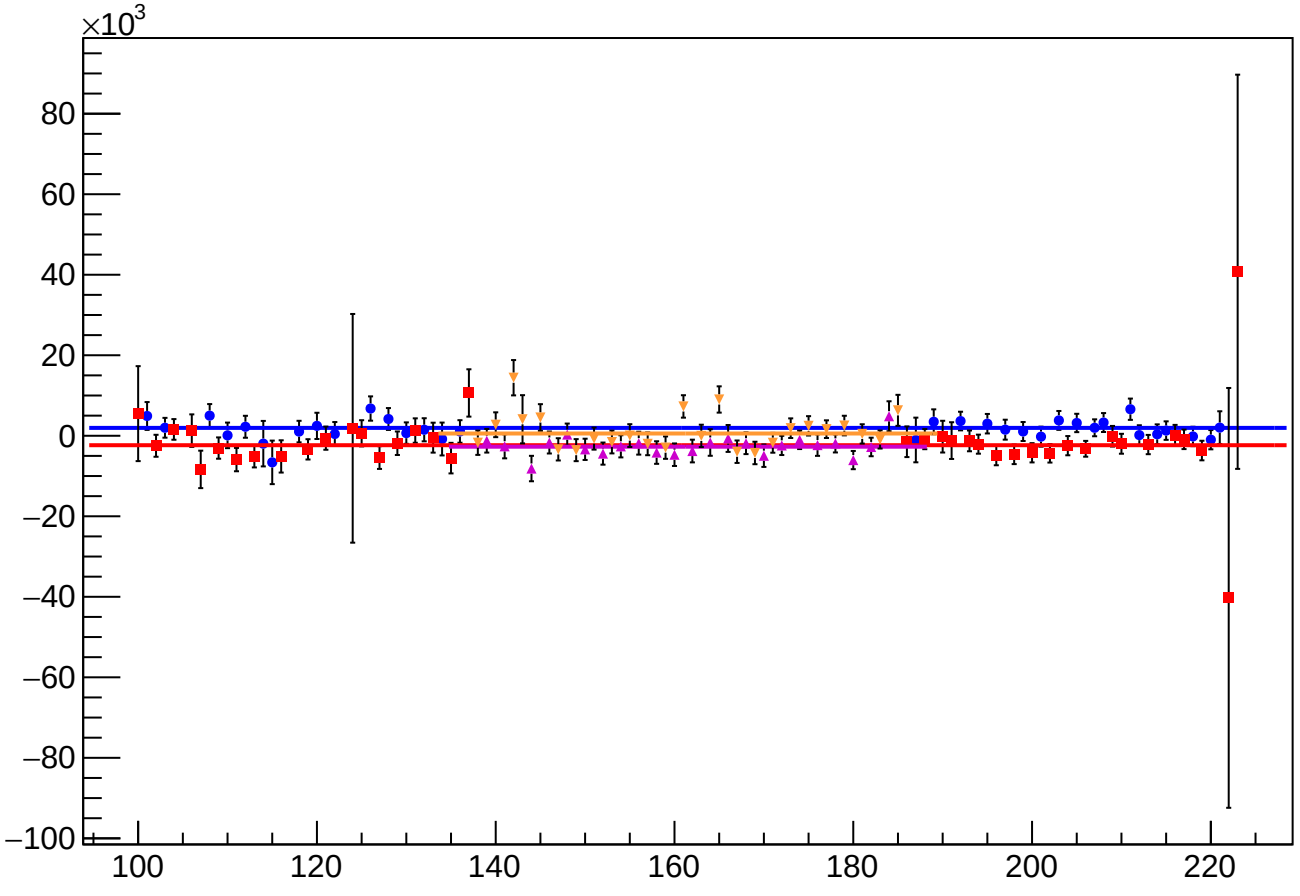
Right Out: 1307.531+/-0.386 χ^2/NDF: 33302997.3/38

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2381.088+/-0.434 χ^2/NDF: 51481426.1/58

All: 2029.373+/-0.284 χ^2/NDF: 111574957.6

- sign 1767.473+/-0.375 χ^2/NDF: 58948319.6/61



Right In: 1956.893+/-468.005 χ^2/NDF: 19.4/33

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2344.891+/-470.080 χ^2/NDF: 26.2/38

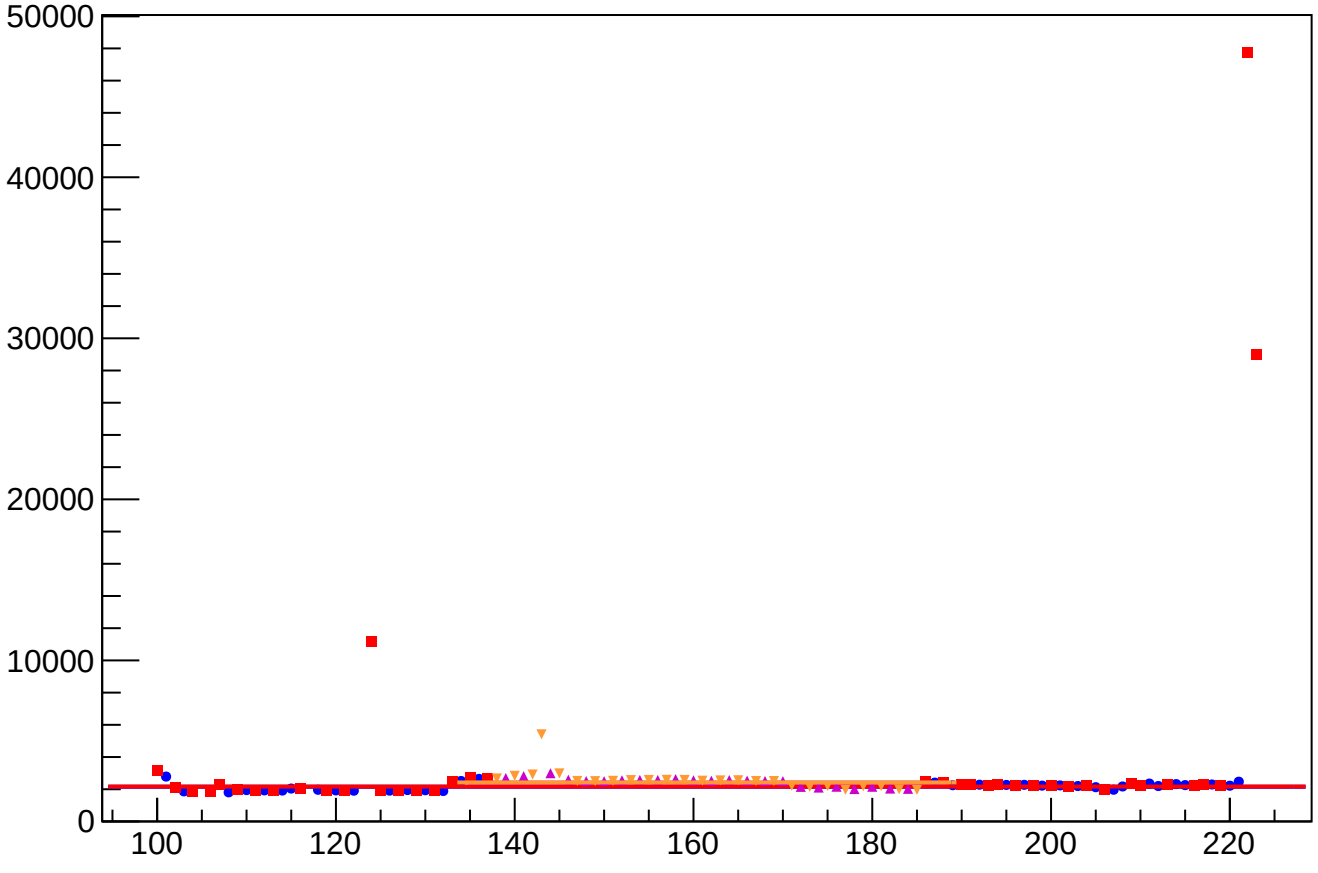
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1380.197+/-358.398 χ^2/NDF: 67.1/58

All: -540.446+/-254.577 χ^2/NDF: 165.8/120

- sign -2496.383+/-361.676 χ^2/NDF: 40.7/61

cor_asym_atl2_rms vs Slug



Right In: 2155.080+/-0.331 χ^2/NDF: 399520.3/33

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2166.284+/-0.332 χ^2/NDF: 2764479.6/38

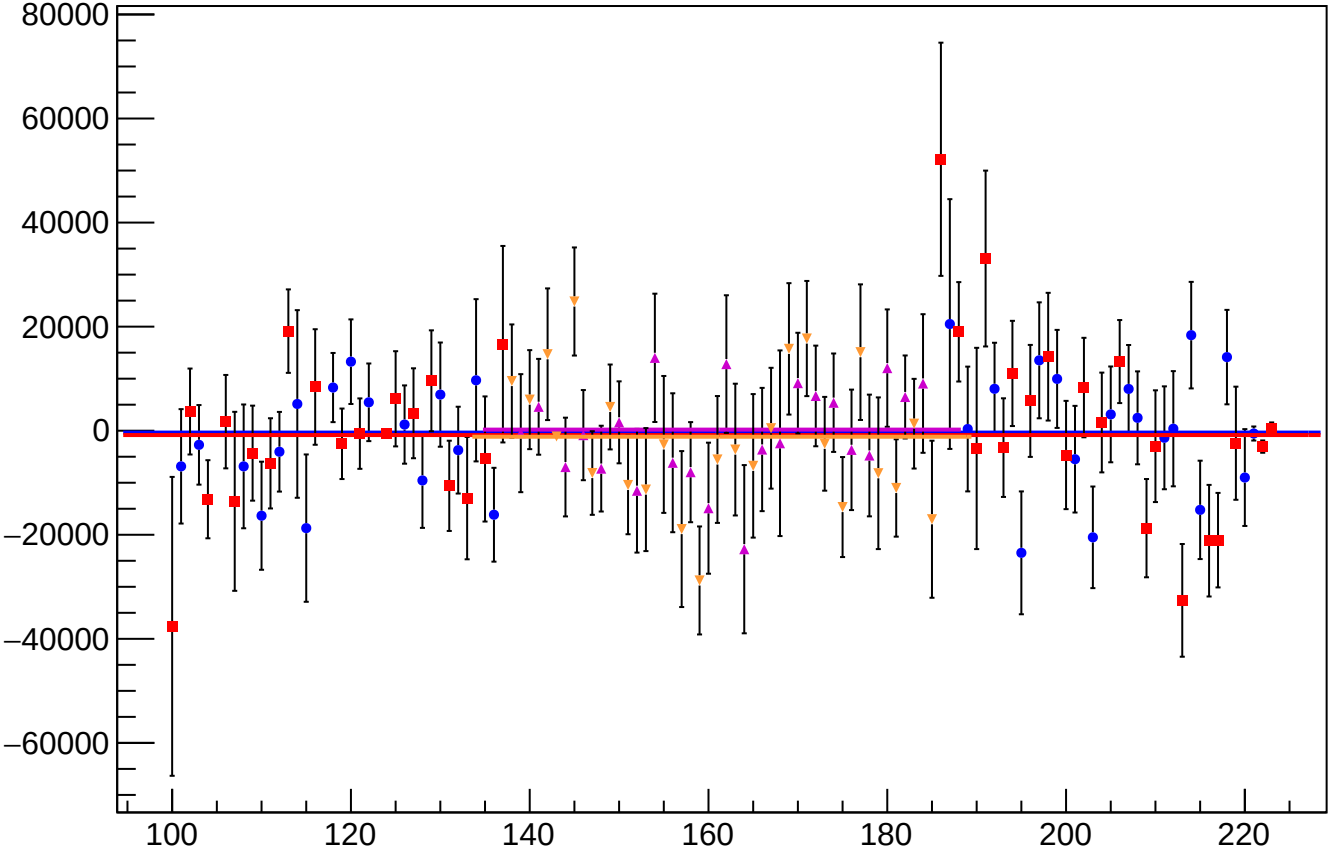
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2265.527+/-0.253 χ^2/NDF: 1621726.6/58

All: 2265.590+/-0.180 χ^2/NDF: 5033604.2/12

- sign 2265.655+/-0.256 χ^2/NDF: 3411877.4/61

asym_atl2_cor_correction_mean vs Slug



Right In: -360.041+/-1048.004 χ^2/NDF: 38.7/33

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -835.415+/-546.452 χ^2/NDF: 65.3/38

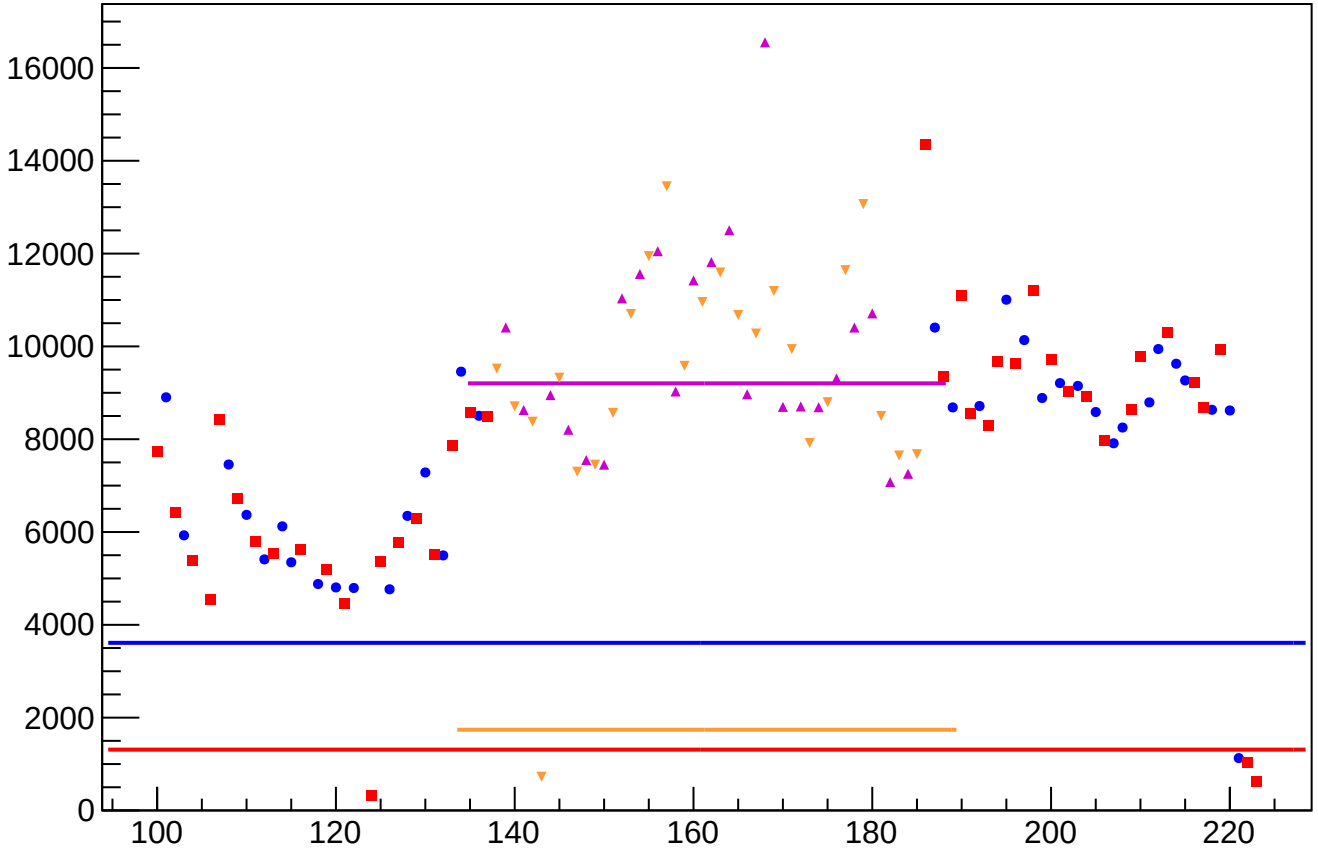
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -884.044+/-614.044 χ^2/NDF: 71.0/58

All: -821.258+/-401.333 χ^2/NDF: 150.0/120

- sign -774.436+/-530.268 χ^2/NDF: 78.9/61

asym_atl2_cor_correction_rms vs Slug



Right In: 3612.149+/-0.741 χ^2/NDF: 19538463.0/33

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

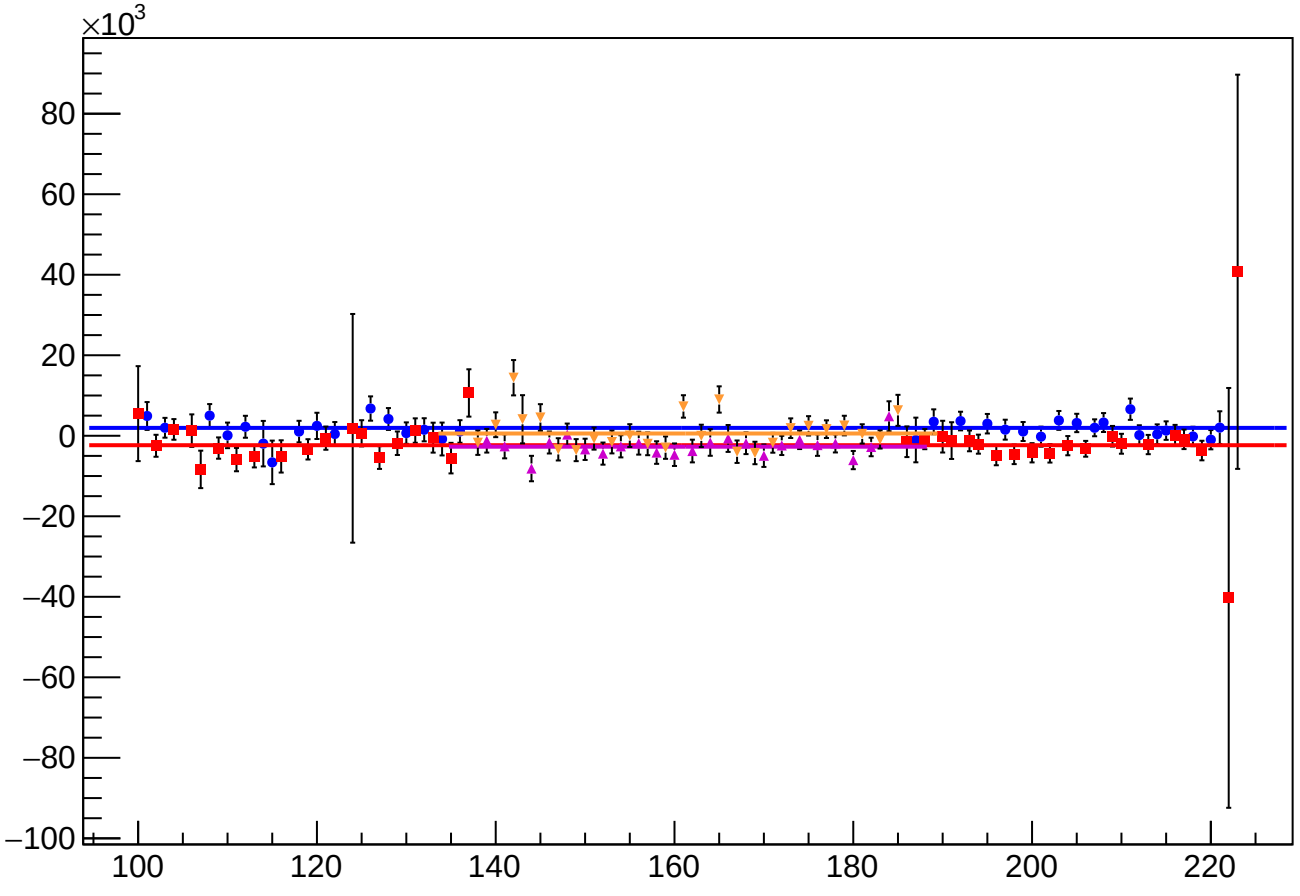
Right Out: 1311.146+/-0.386 χ^2/NDF: 33276629.3/38

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2382.351+/-0.434 χ^2/NDF: 51467316.3/58

All: 2032.581+/-0.284 χ^2/NDF: 111496981.7

- sign 1771.741+/-0.375 χ^2/NDF: 58896800.1/61



Right In: 1956.893+/-468.005 χ^2/NDF: 19.4/33

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2344.891+/-470.080 χ^2/NDF: 26.2/38

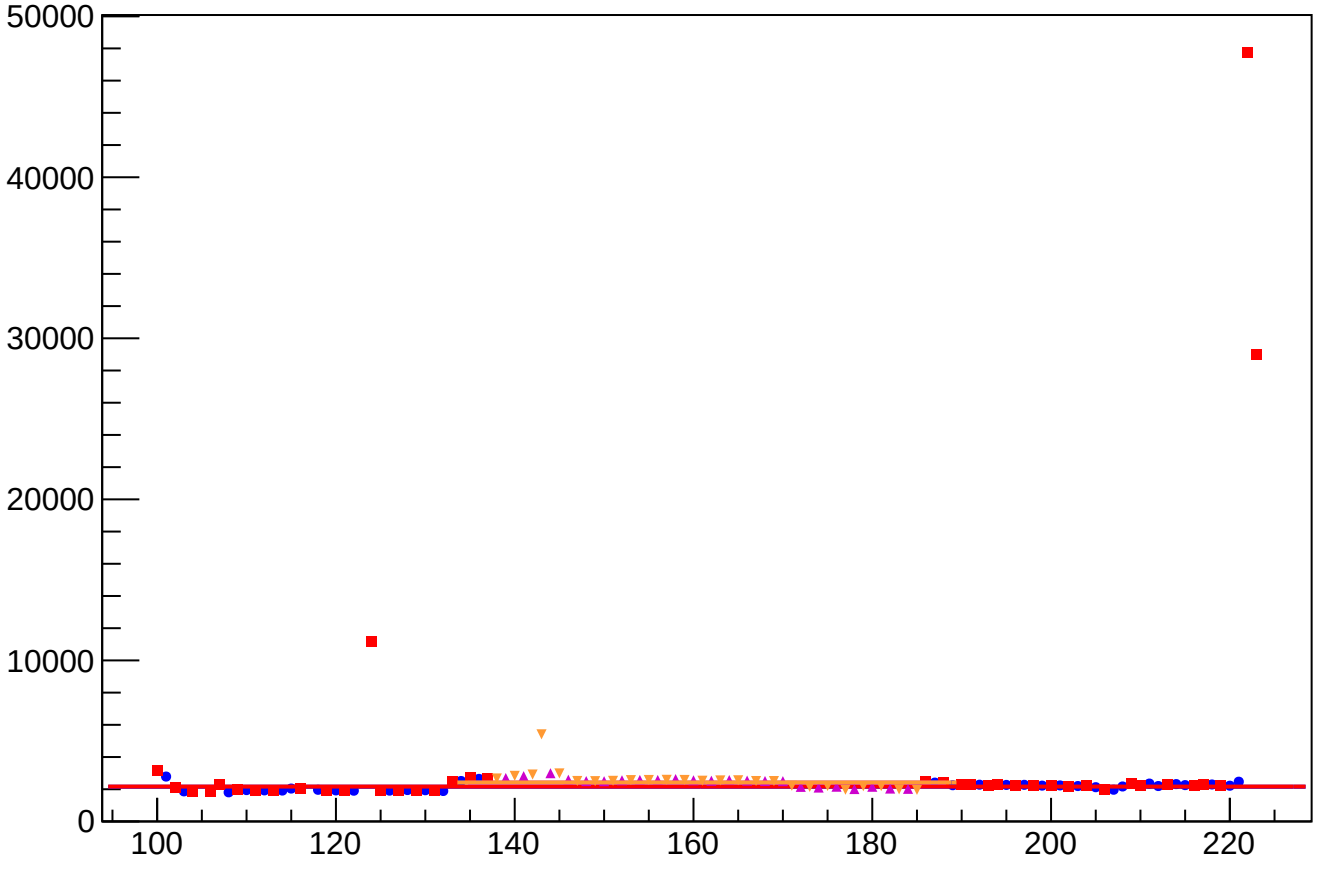
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1380.197+/-358.398 χ^2/NDF: 67.1/58

All: -540.446+/-254.577 χ^2/NDF: 165.8/120

- sign -2496.383+/-361.676 χ^2/NDF: 40.7/61

eigen_cor_asym_atl2_rms vs Slug



Right In: 2155.080+/-0.331 χ^2/NDF: 399520.3/33

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2166.284+/-0.332 χ^2/NDF: 2764479.6/38

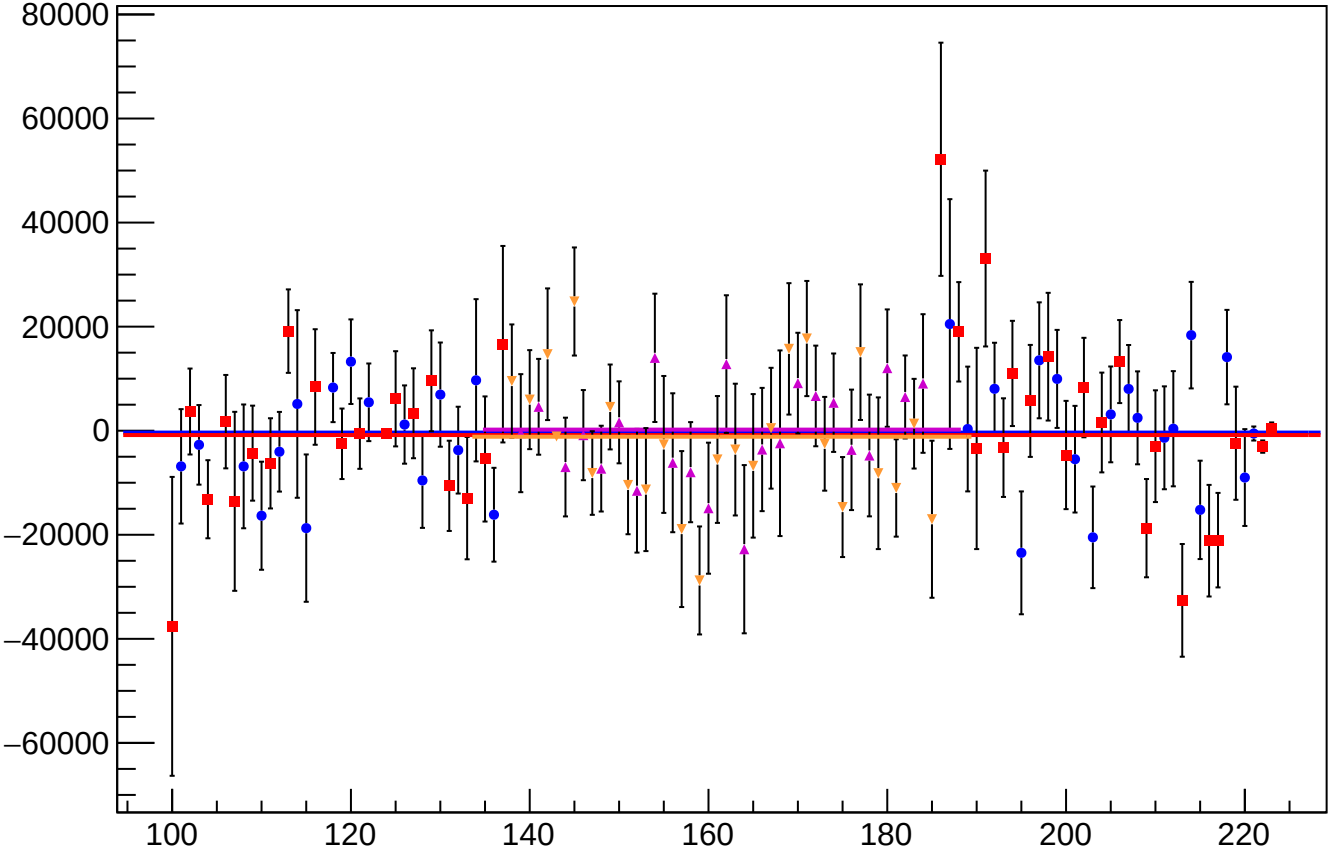
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2265.527+/-0.253 χ^2/NDF: 1621726.6/58

All: 2265.590+/-0.180 χ^2/NDF: 5033604.2/12

- sign 2265.655+/-0.256 χ^2/NDF: 3411877.4/61

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -360.041+/-1048.004 χ^2/NDF: 38.7/33

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -835.415+/-546.452 χ^2/NDF: 65.3/38

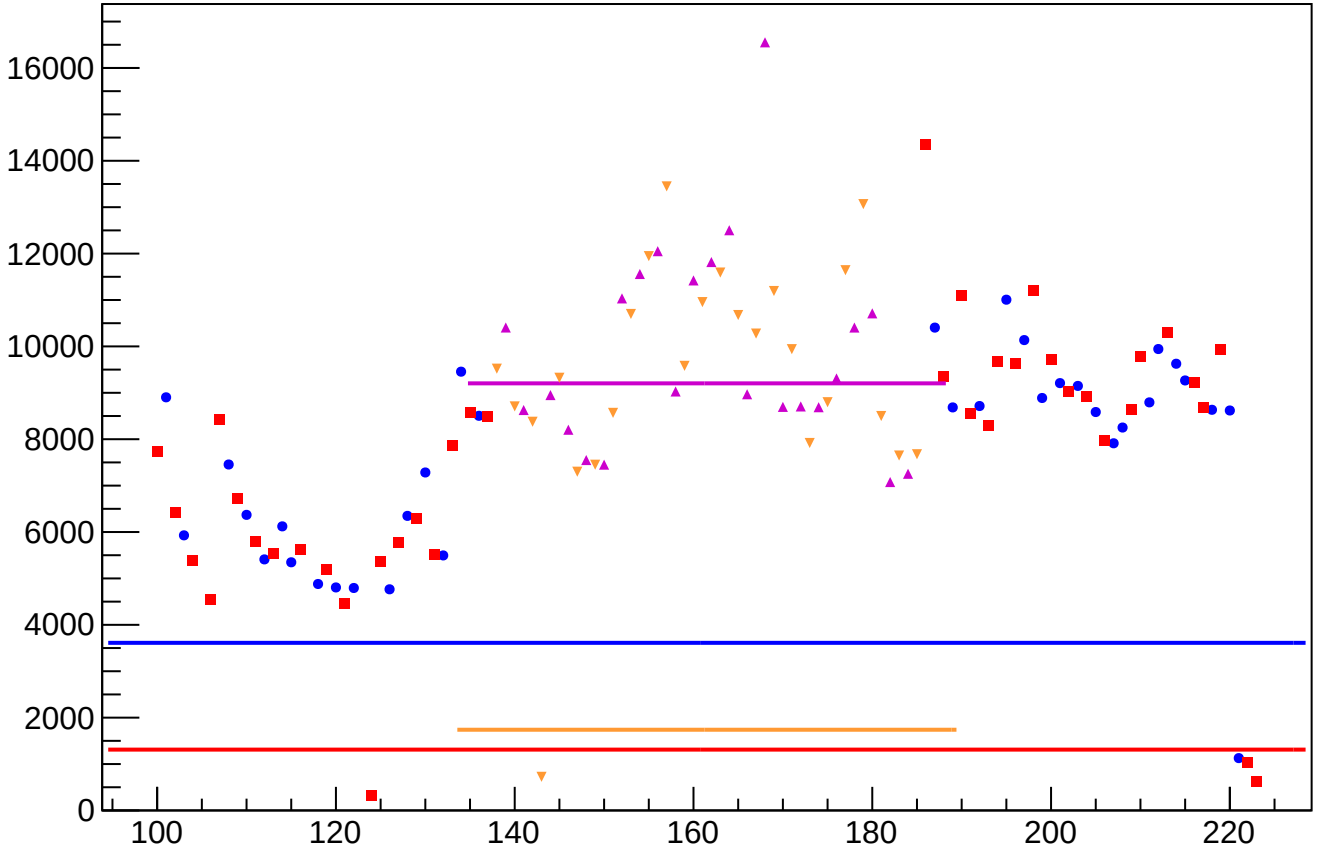
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -884.044+/-614.044 χ^2/NDF: 71.0/58

All: -821.258+/-401.333 χ^2/NDF: 150.0/120

- sign -774.436+/-530.268 χ^2/NDF: 78.9/61

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 3612.149+/-0.741 χ^2/NDF: 19538463.0/33

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1311.146+/-0.386 χ^2/NDF: 33276629.3/38

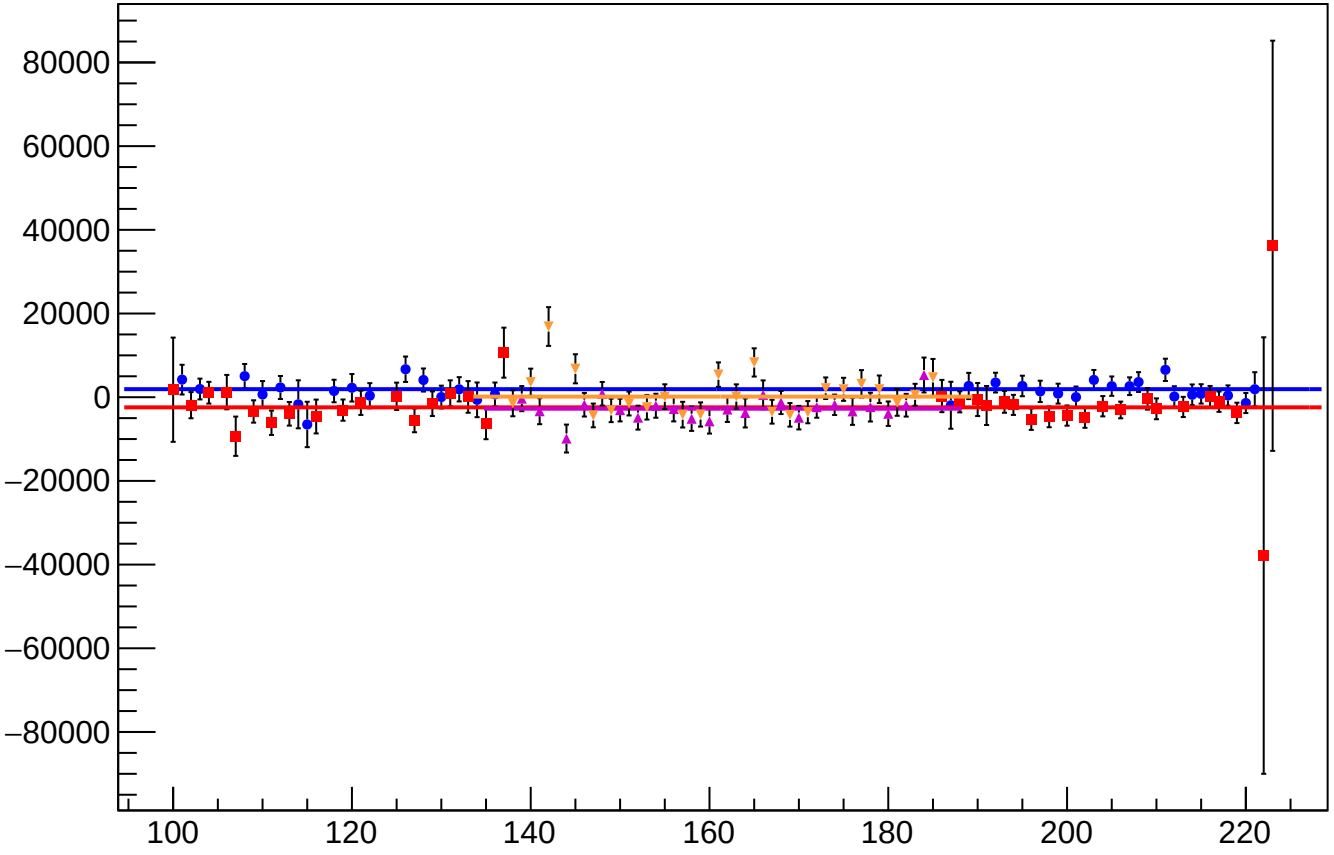
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2382.351+/-0.434 χ^2/NDF: 51467316.3/58

All: 2032.581+/-0.284 χ^2/NDF: 111496981.7

- sign 1771.741+/-0.375 χ^2/NDF: 58896800.1/61

dit_asym_atl2_mean vs Slug



Right In: 1923.225+/-473.425 χ^2/NDF: 18.8/33

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2422.546+/-477.154 χ^2/NDF: 25.2/37

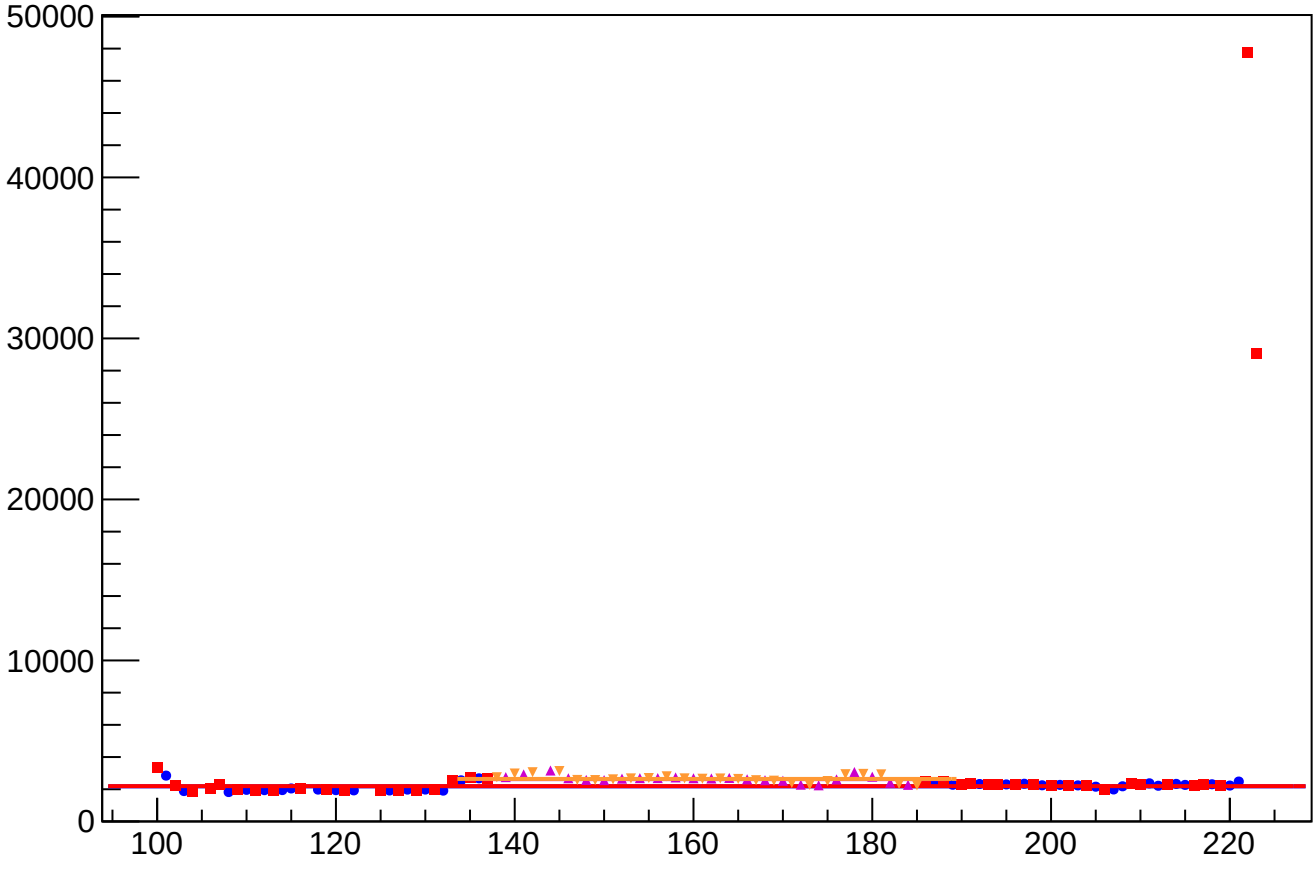
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1261.621+/-375.311 χ^2/NDF: 69.9/57

All: -631.282+/-266.068 χ^2/NDF: 161.8/118

- sign -2543.805+/-377.251 χ^2/NDF: 40.8/60

dit_asym_atl2_rms vs Slug



Right In: 2179.316+/-0.335 χ^2/NDF: 408086.3/33

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2193.413+/-0.337 χ^2/NDF: 2561341.5/37

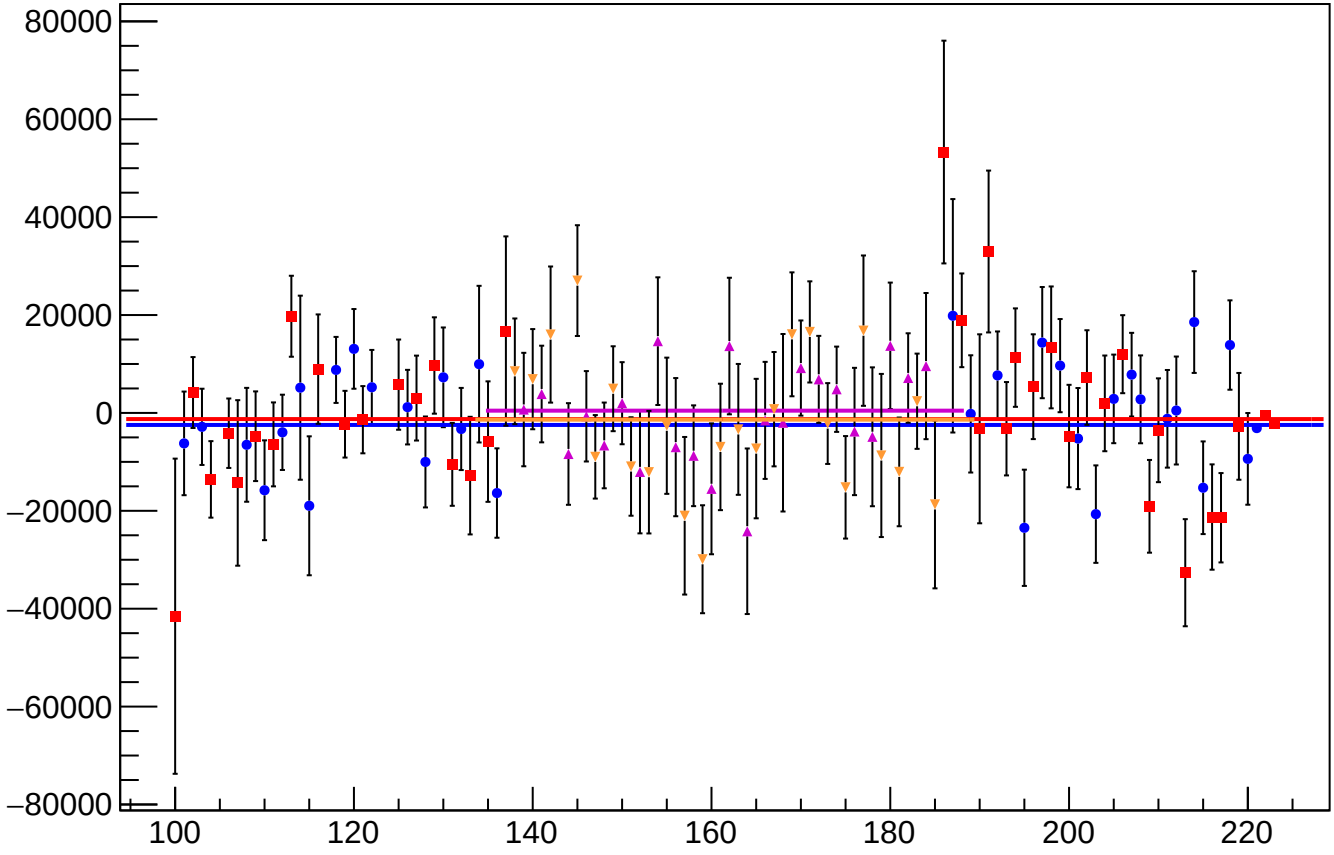
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2350.844+/-0.265 χ^2/NDF: 1368133.2/57

All: 2353.543+/-0.188 χ^2/NDF: 4789787.8/11

- sign 2356.268+/-0.267 χ^2/NDF: 3421446.7/60

asym_atl2_dit_correction_mean vs Slug



Right In: -2454.537+/-781.427 χ^2/NDF: 40.7/33

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

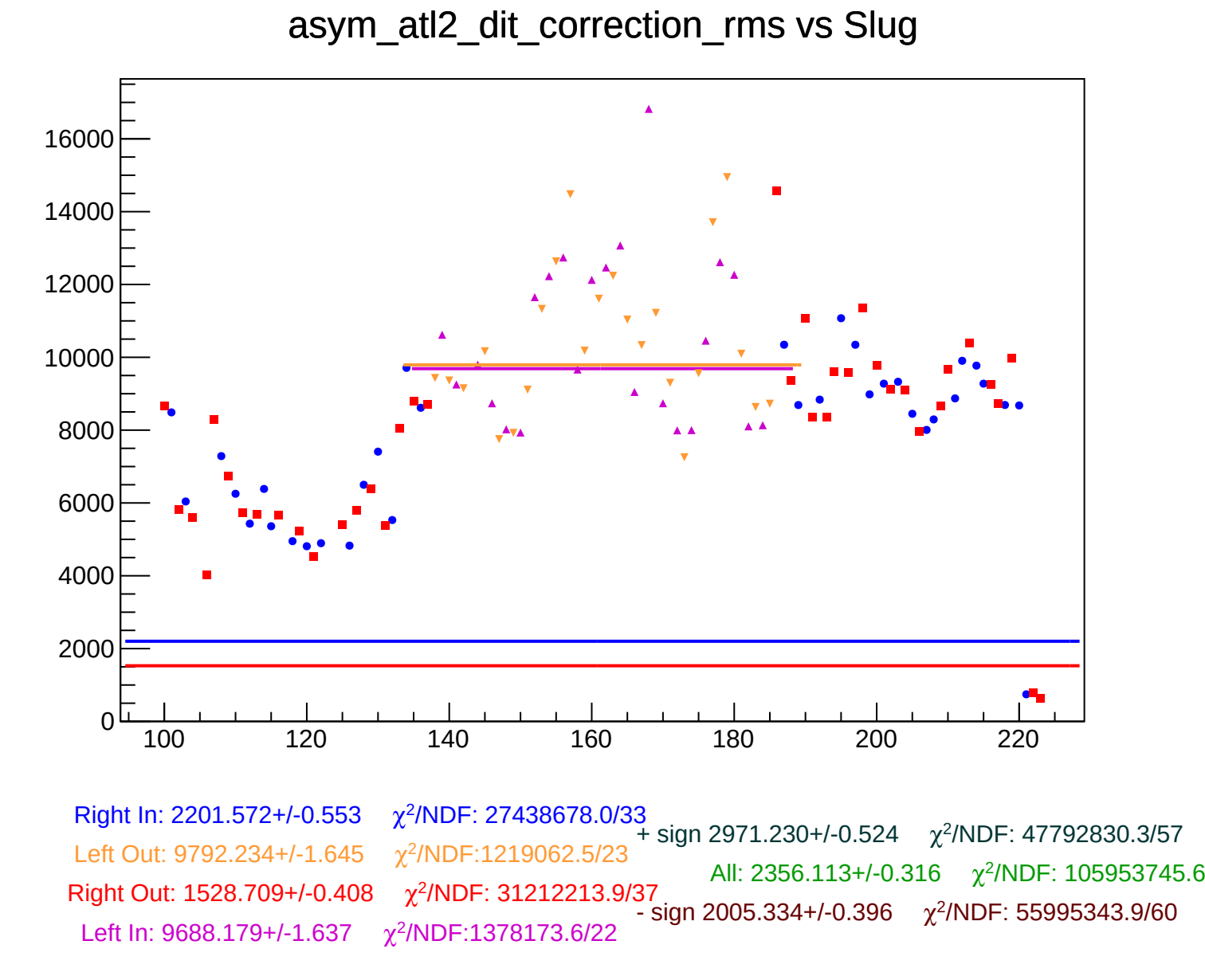
Right Out: -1255.890+/-576.475 χ^2/NDF: 61.9/37

Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

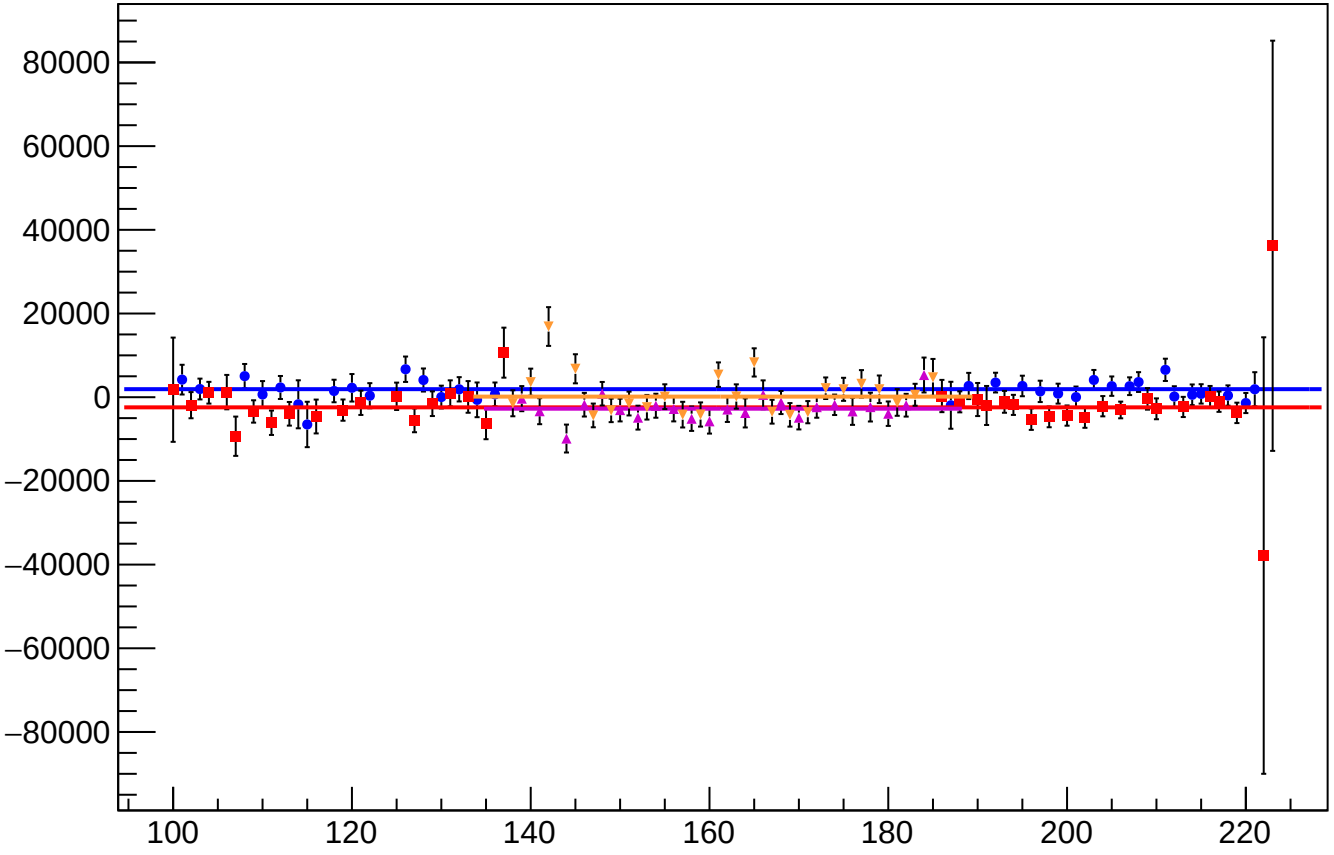
+ sign -2344.250+/-740.752 χ^2/NDF: 72.1/57

All: -1587.172+/-446.400 χ^2/NDF: 149.3/118

- sign -1155.438+/-559.384 χ^2/NDF: 75.5/60


asym_atl2_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
220
Right In: 2201.572+/-0.553 χ²/NDF: 27438678.0/33
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 1528.709+/-0.408 χ²/NDF: 31212213.9/37
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
+ sign 2971.230+/-0.524 χ²/NDF: 47792830.3/57
All: 2356.113+/-0.316 χ²/NDF: 105953745.6
- sign 2005.334+/-0.396 χ²/NDF: 55995343.9/60

eigen_dit_asym_atl2_mean vs Slug



Right In: 1923.229+/-473.425 χ^2/NDF: 18.8/33

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2422.541+/-477.154 χ^2/NDF: 25.2/37

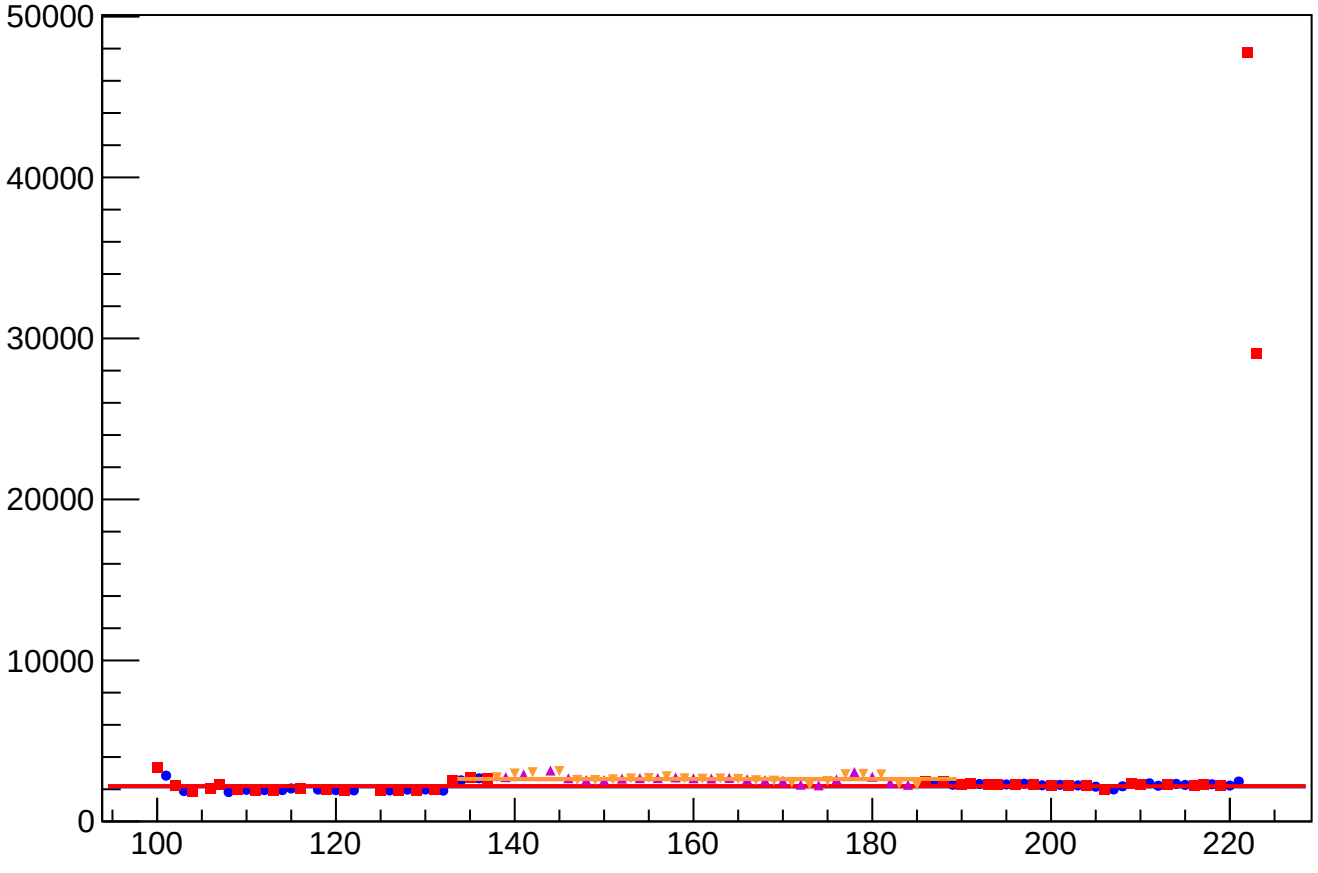
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1261.621+/-375.311 χ^2/NDF: 69.9/57

All: -631.281+/-266.068 χ^2/NDF: 161.8/118

- sign -2543.801+/-377.251 χ^2/NDF: 40.8/60

eigen_dit_asym_atl2_rms vs Slug



Right In: 2179.316+/-0.335 χ^2/NDF: 408086.3/33

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2193.413+/-0.337 χ^2/NDF: 2561342.1/37

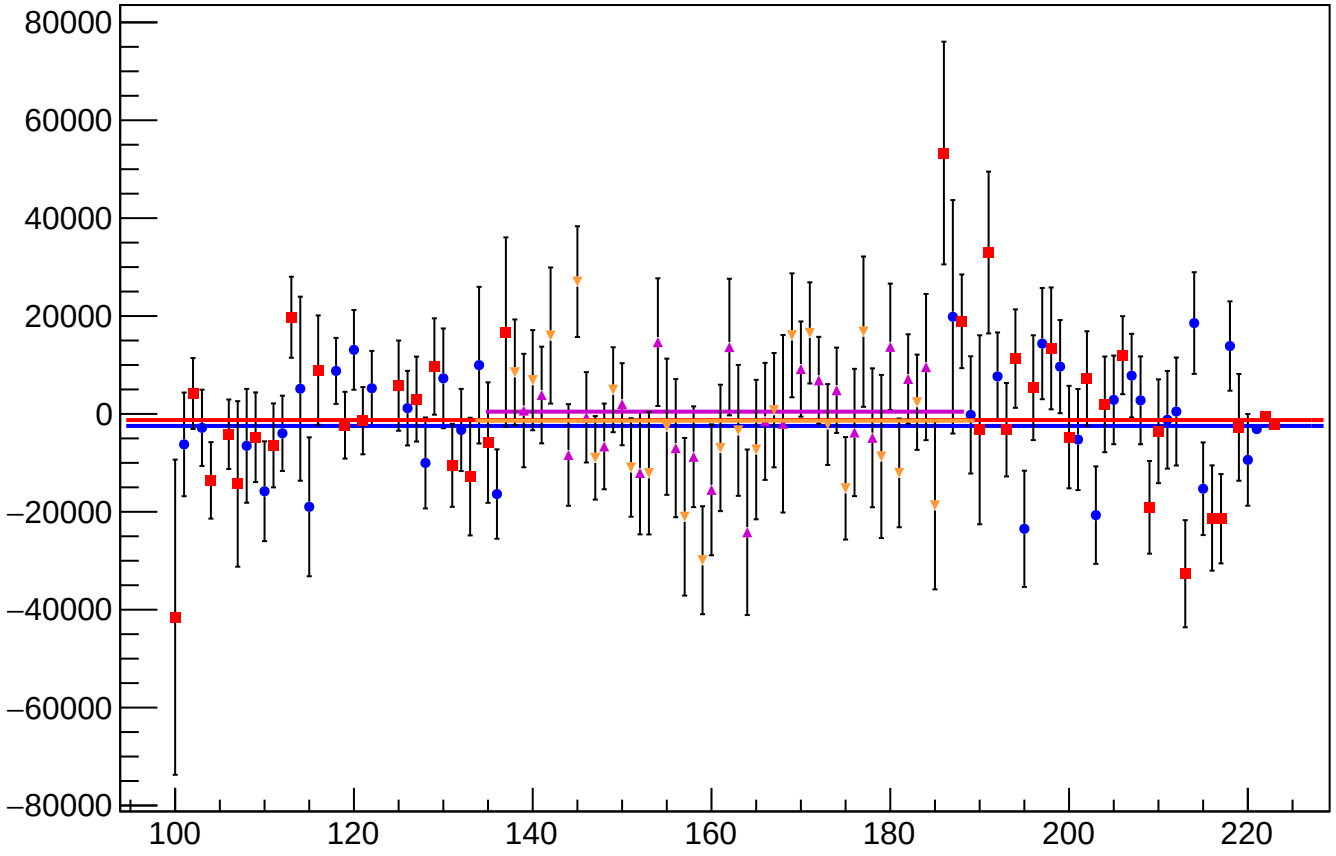
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2350.845+/-0.265 χ^2/NDF: 1368148.0/57

All: 2353.544+/-0.188 χ^2/NDF: 4789818.1/11

- sign 2356.268+/-0.267 χ^2/NDF: 3421462.3/60

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -2454.536+/-781.429 χ^2/NDF: 40.7/33

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1255.888+/-576.476 χ^2/NDF: 61.9/37

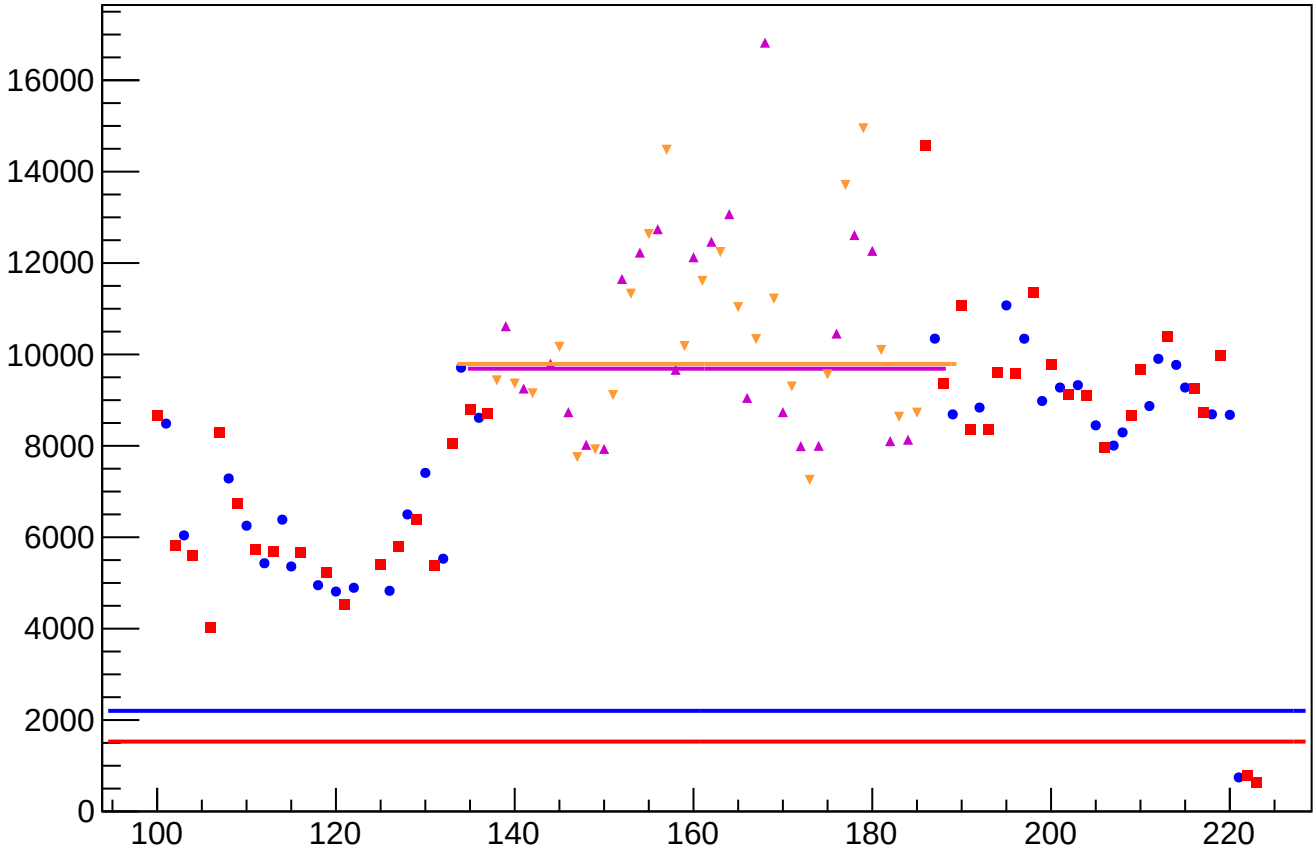
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -2344.250+/-740.753 χ^2/NDF: 72.1/57

All: -1587.170+/-446.401 χ^2/NDF: 149.3/118

- sign -1155.436+/-559.385 χ^2/NDF: 75.5/60

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 2201.580+/-0.553 χ^2/NDF: 27438639.2/33

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 1528.714+/-0.408 χ^2/NDF: 31212177.3/37

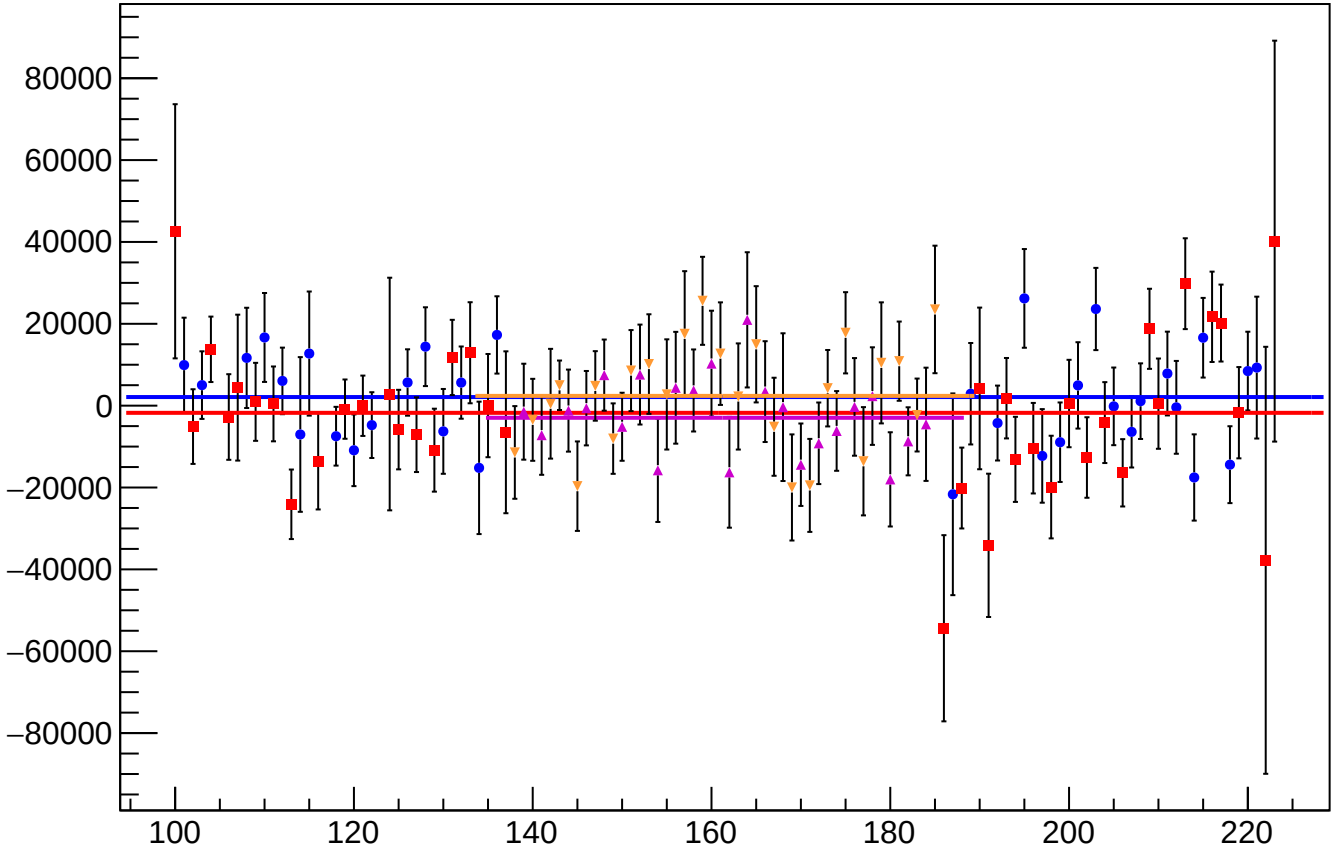
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 2971.239+/-0.524 χ^2/NDF: 47792769.5/57

All: 2356.119+/-0.316 χ^2/NDF: 105953645.2

- sign 2005.339+/-0.396 χ^2/NDF: 55995295.0/60

asym_atl2_mean vs Slug



Right In: 2104.014+/-1732.484 χ^2/NDF: 38.8/33

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -1753.527+/-1728.531 χ^2/NDF: 63.8/38

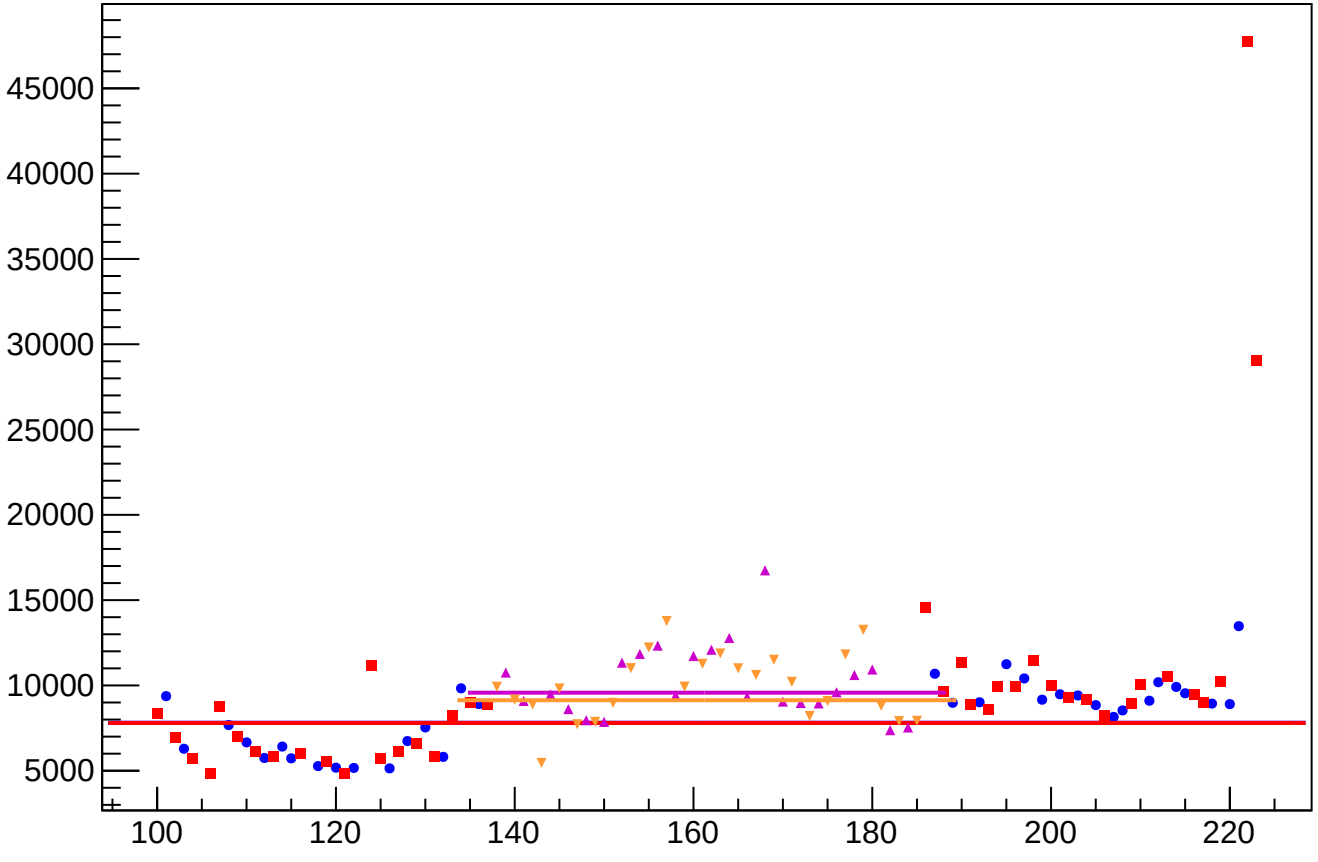
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2216.613+/-1345.667 χ^2/NDF: 68.5/58

All: 61.678+/-962.484 χ^2/NDF: 150.7/120

- sign -2195.422+/-1377.196 χ^2/NDF: 76.9/61

asym_atl2_rms vs Slug



Right In: 7814.362+/-1.225 χ^2/NDF: 2411557.1/33

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

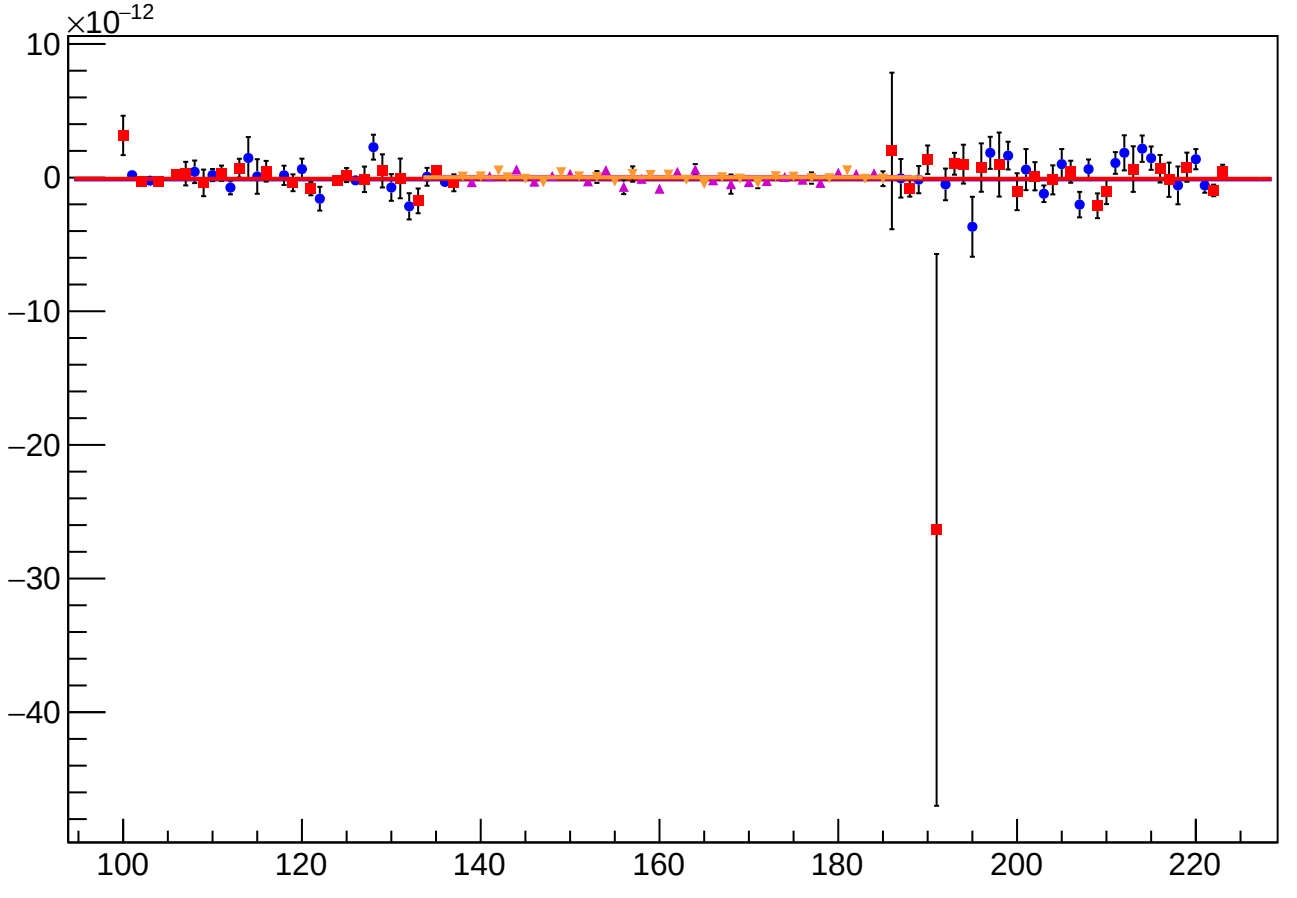
Right Out: 7801.732+/-1.222 χ^2/NDF: 4245120.7/38

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

\+ sign 8336.939+/-0.952 χ^2/NDF: 4681949.6/58

All: 8391.862+/-0.681 χ^2/NDF: 10856610.3/1

\- sign 8449.389+/-0.974 χ^2/NDF: 6167839.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 57.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

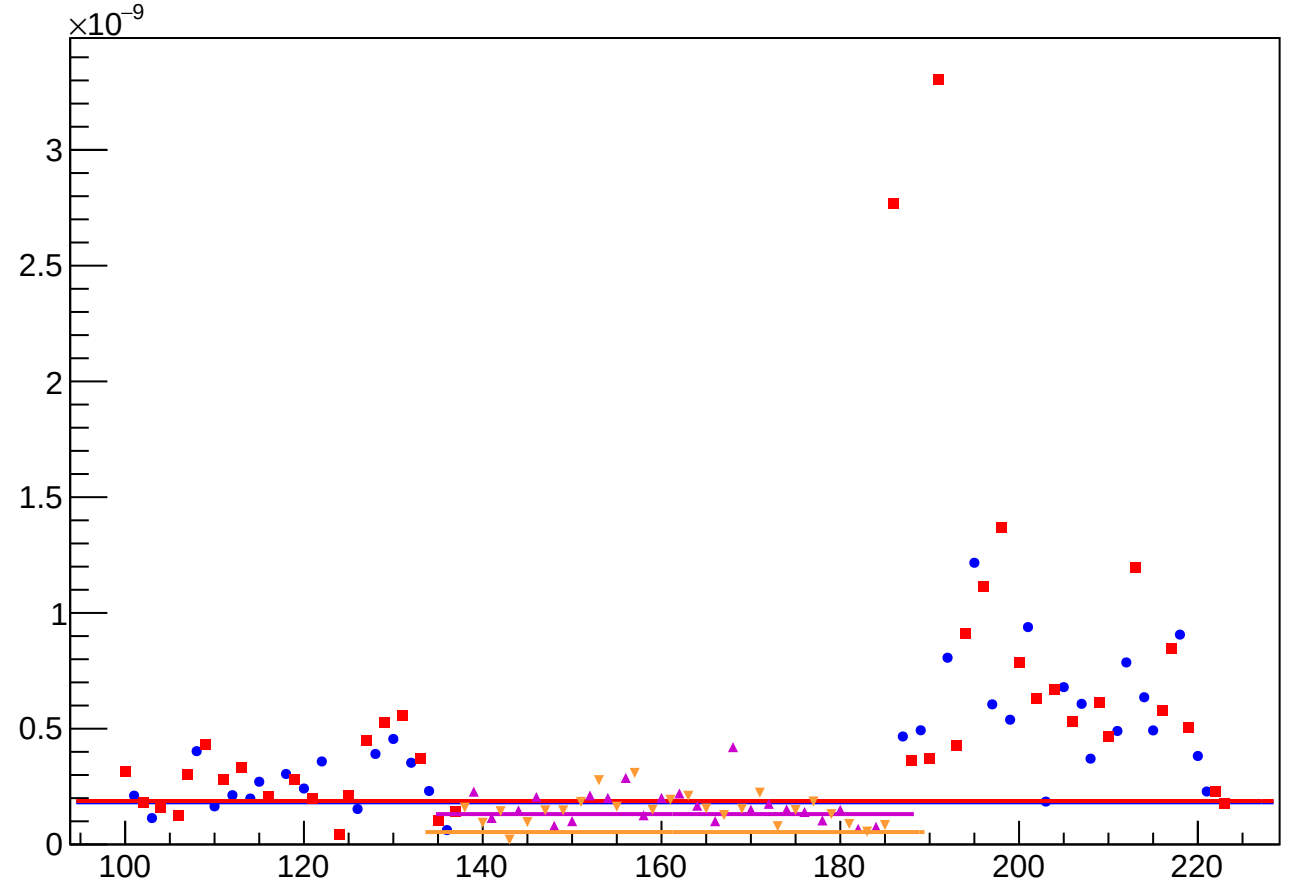
Right Out: -0.000+/-0.000 χ^2/NDF: 41.8/38

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.0/58

All: 0.000+/-0.000 χ^2/NDF: 158.5/120

- sign 0.000+/-0.000 χ^2/NDF: 80.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 7542239.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9030270.4/38

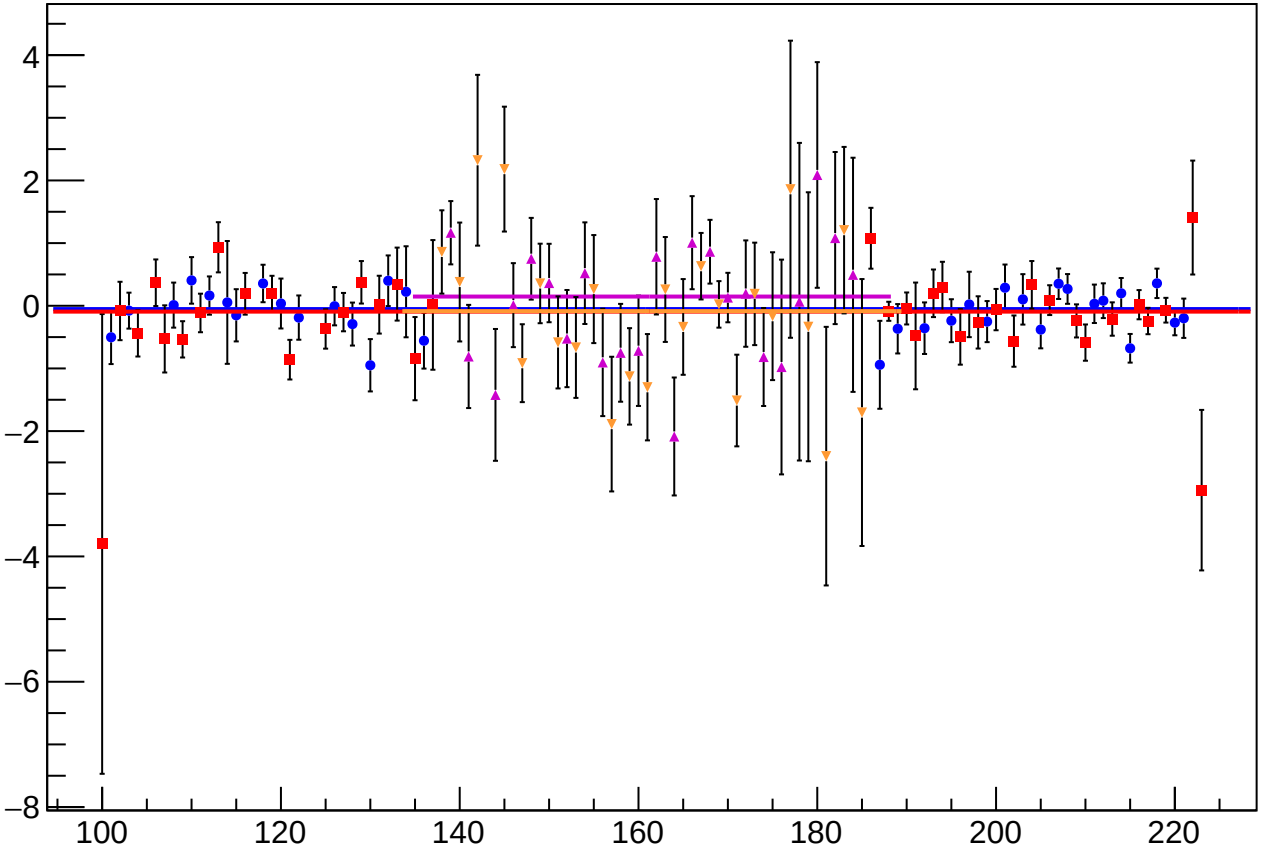
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18664444.6/58

All: 0.000+/-0.000 χ^2/NDF: 34635995.6/120

- sign 0.000+/-0.000 χ^2/NDF: 11543902.4/61

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.093+/-0.053 χ^2/NDF: 48.9/37

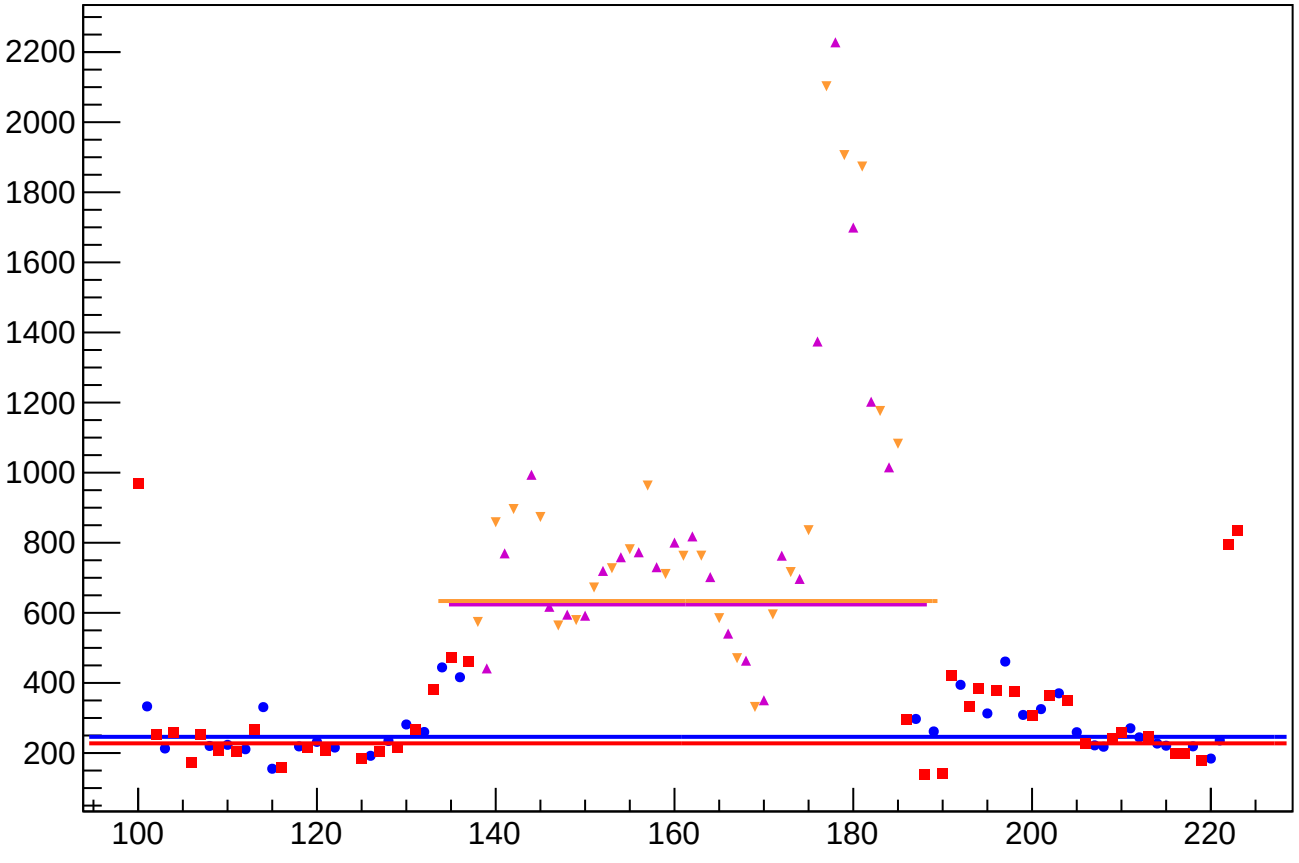
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.056+/-0.053 χ^2/NDF: 66.9/57

All: -0.063+/-0.036 χ^2/NDF: 144.4/118

- sign -0.069+/-0.050 χ^2/NDF: 77.4/60

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 246.177+/-0.039 χ^2/NDF: 2184543.4/33

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 227.607+/-0.037 χ^2/NDF: 4864401.3/37

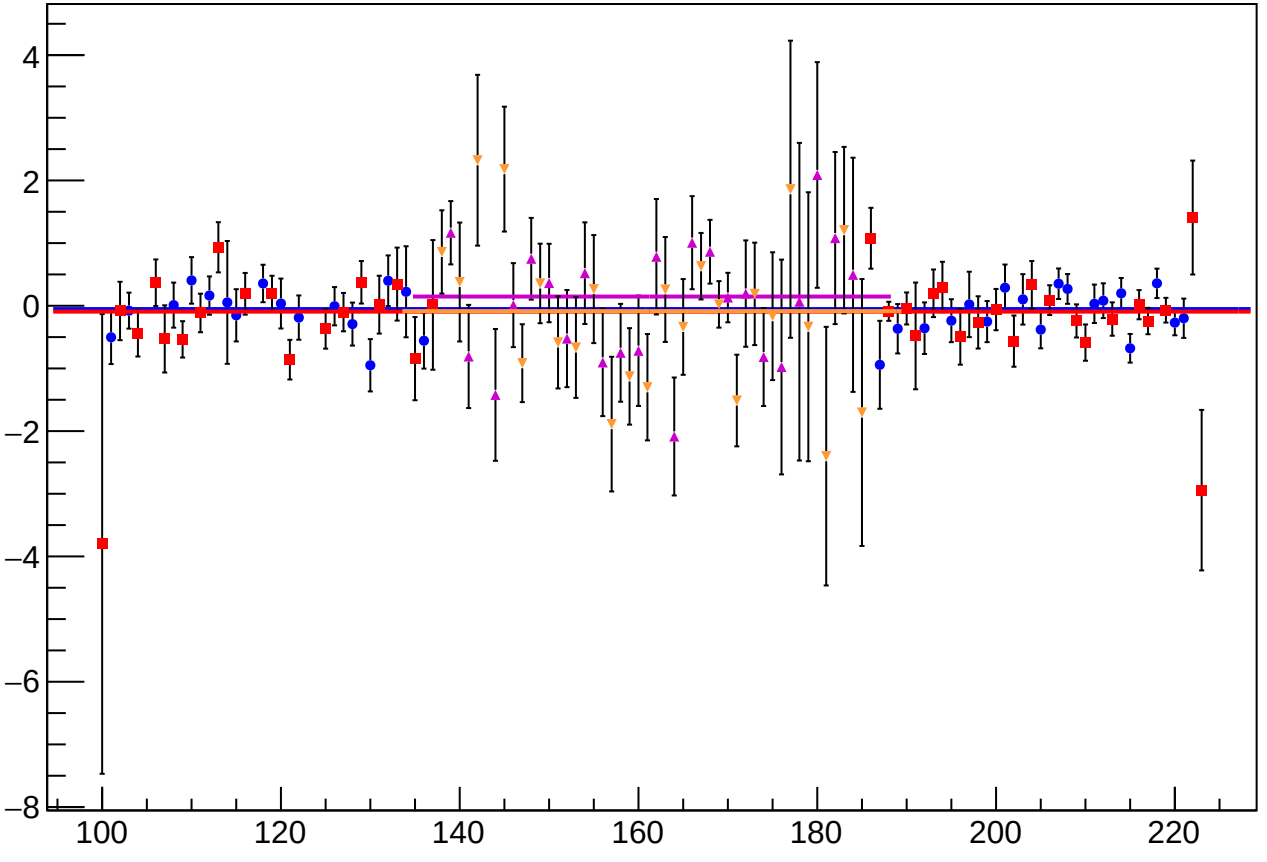
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 287.520+/-0.037 χ^2/NDF: 17472818.9/57

All: 276.805+/-0.026 χ^2/NDF: 38331903.4/11

- sign 267.174+/-0.035 χ^2/NDF: 20702269.9/60

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.093+/-0.053 χ^2/NDF: 48.9/37

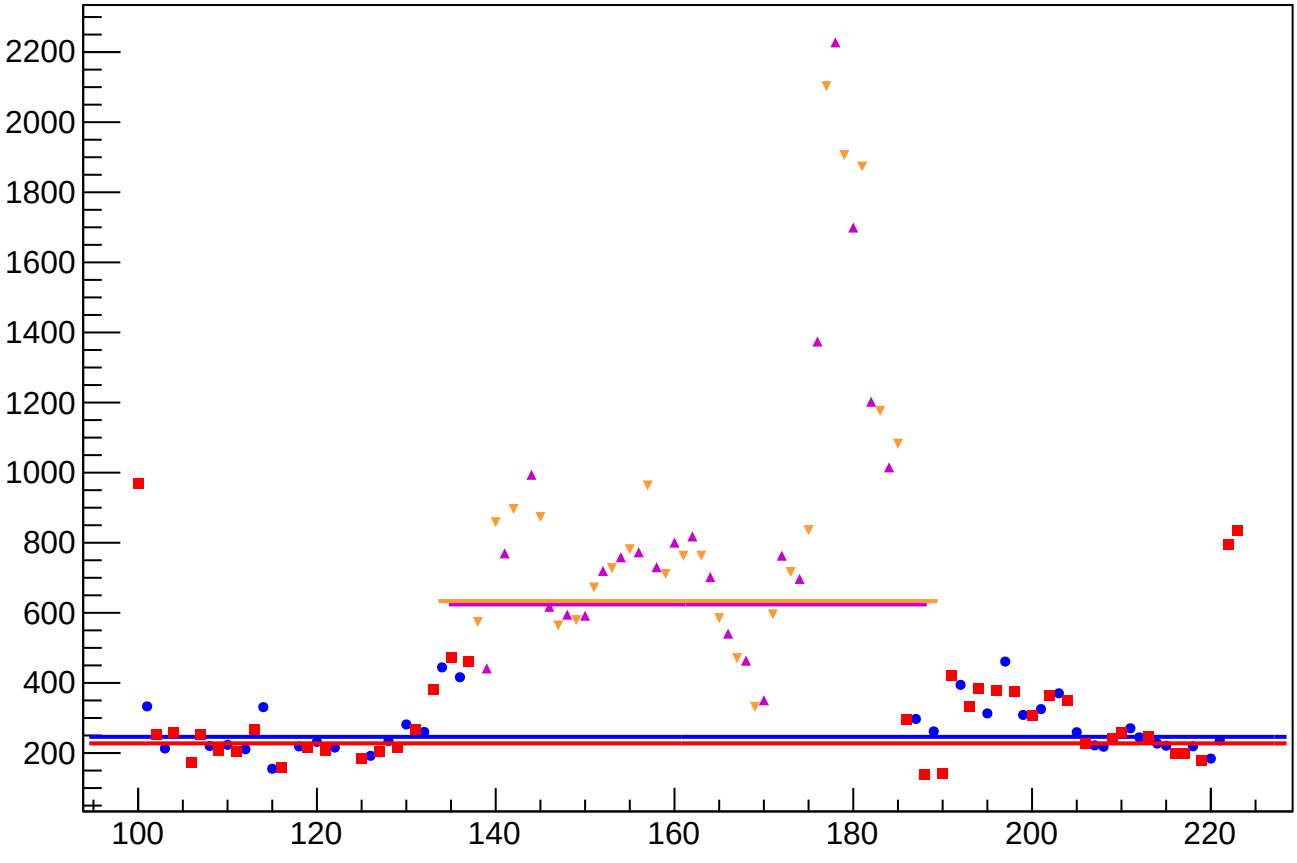
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.056+/-0.053 χ^2/NDF: 66.9/57

All: -0.063+/-0.036 χ^2/NDF: 144.4/118

- sign -0.069+/-0.050 χ^2/NDF: 77.4/60

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 246.177+/-0.039 χ^2/NDF: 2184543.4/33

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

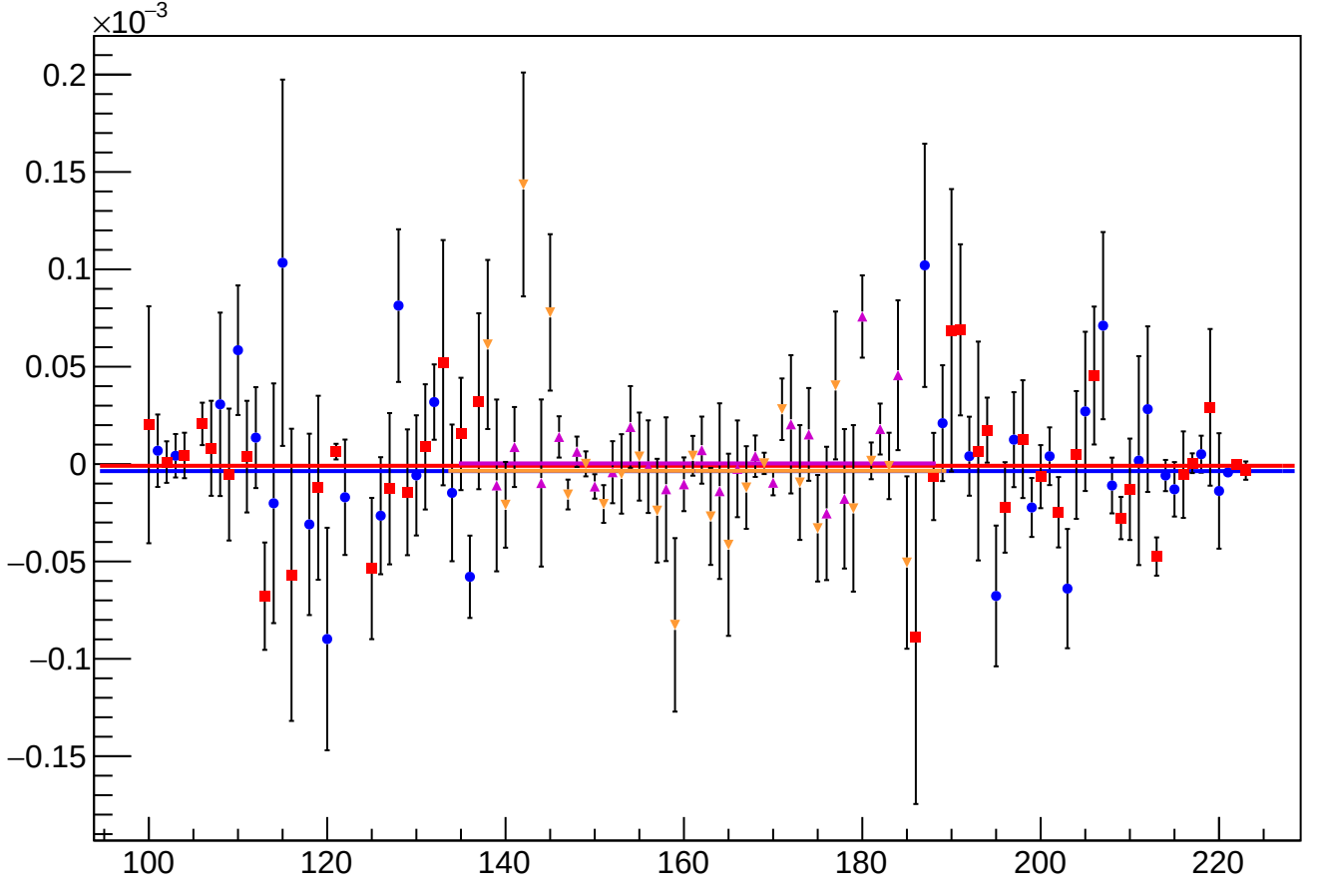
Right Out: 227.607+/-0.037 χ^2/NDF: 4864401.3/37

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 287.520+/-0.037 χ^2/NDF: 17472818.9/57

All: 276.805+/-0.026 χ^2/NDF: 38331903.4/11

- sign 267.174+/-0.035 χ^2/NDF: 20702269.9/60



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

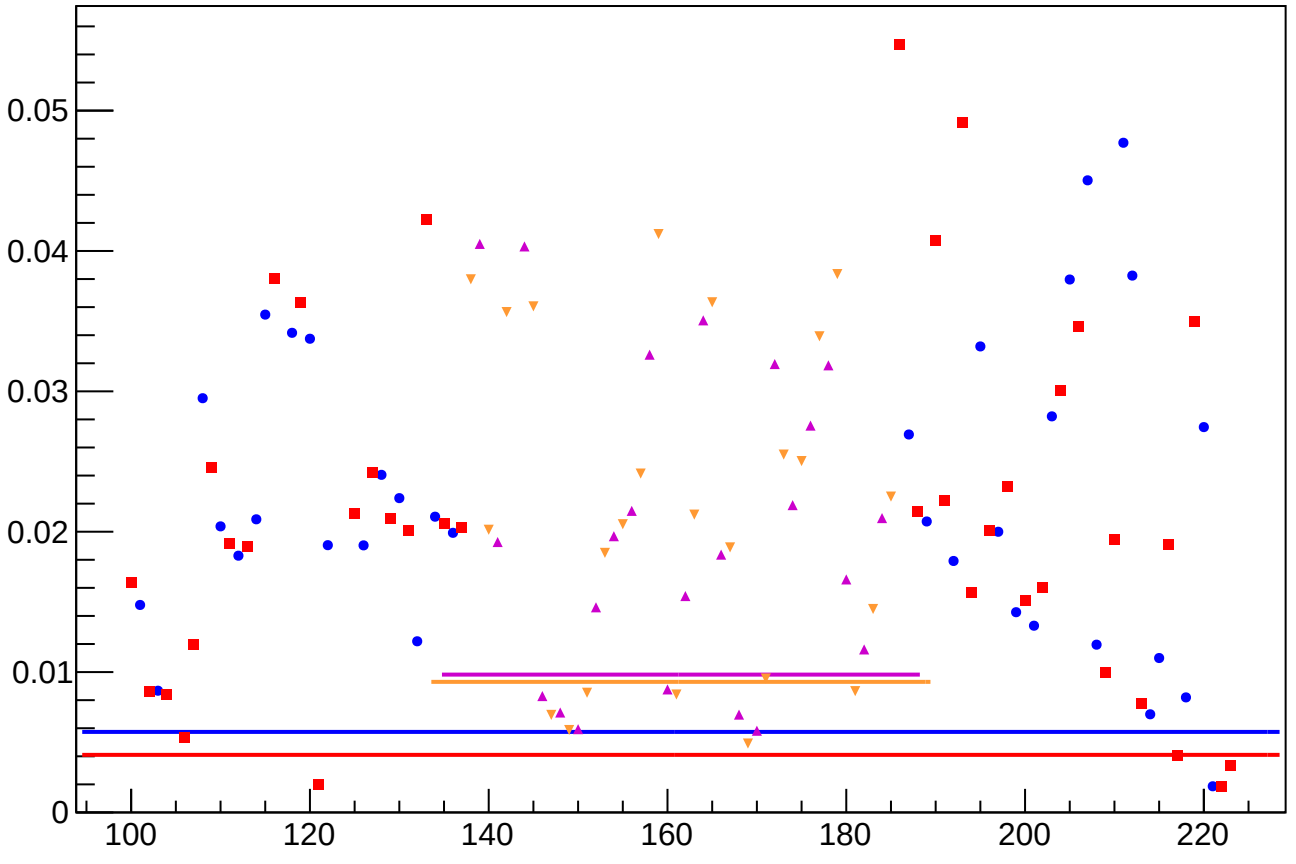
Right Out: -0.000+/-0.000 χ^2/NDF: 58.6/37

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.4/57

All: -0.000+/-0.000 χ^2/NDF: 165.9/118

- sign -0.000+/-0.000 χ^2/NDF: 86.6/60



Right In: 0.006+/-0.000 χ^2/NDF: 24166212.4/33

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.004+/-0.000 χ^2/NDF: 25821500.9/37

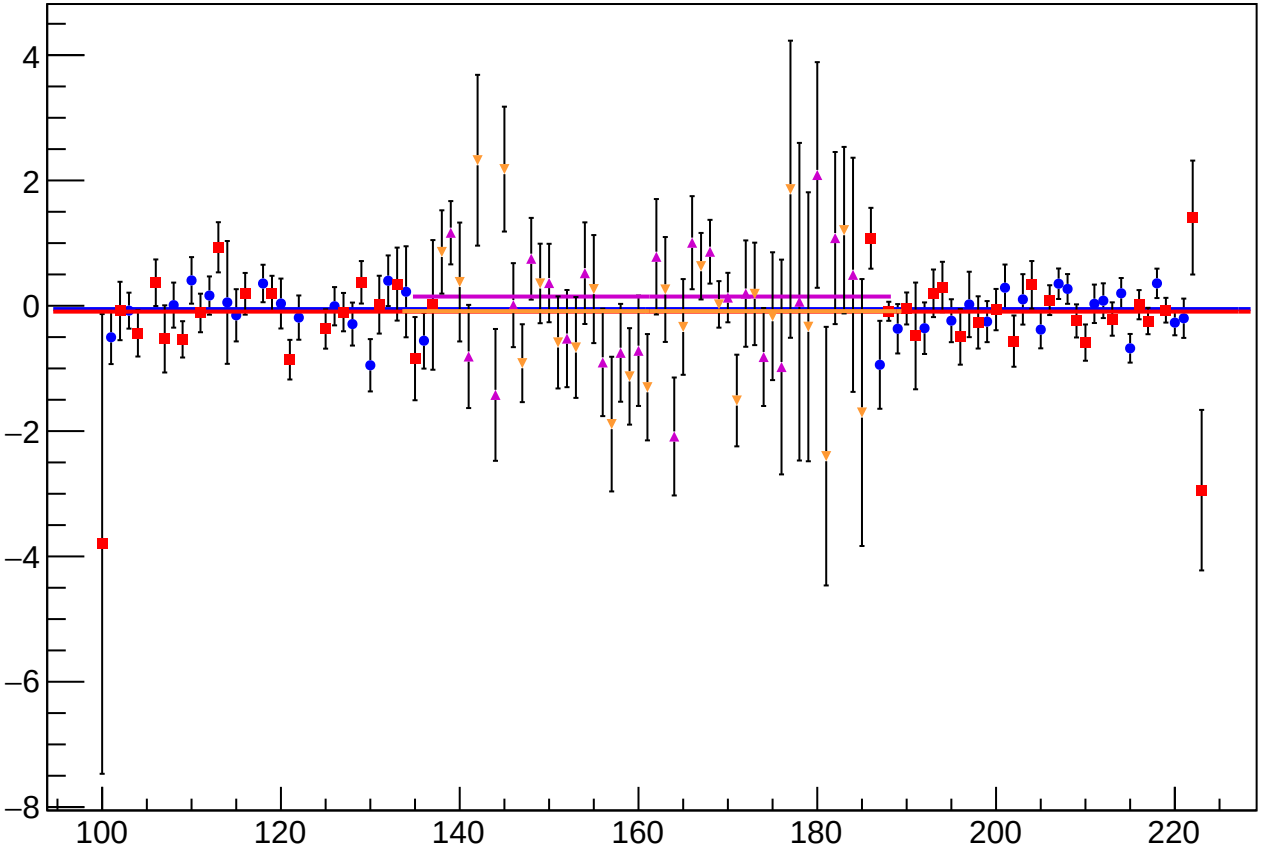
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 38567697.2/57

All: 0.006+/-0.000 χ^2/NDF: 82285830.9/118

- sign 0.005+/-0.000 χ^2/NDF: 42347915.4/60

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.093+/-0.053 χ^2/NDF: 48.9/37

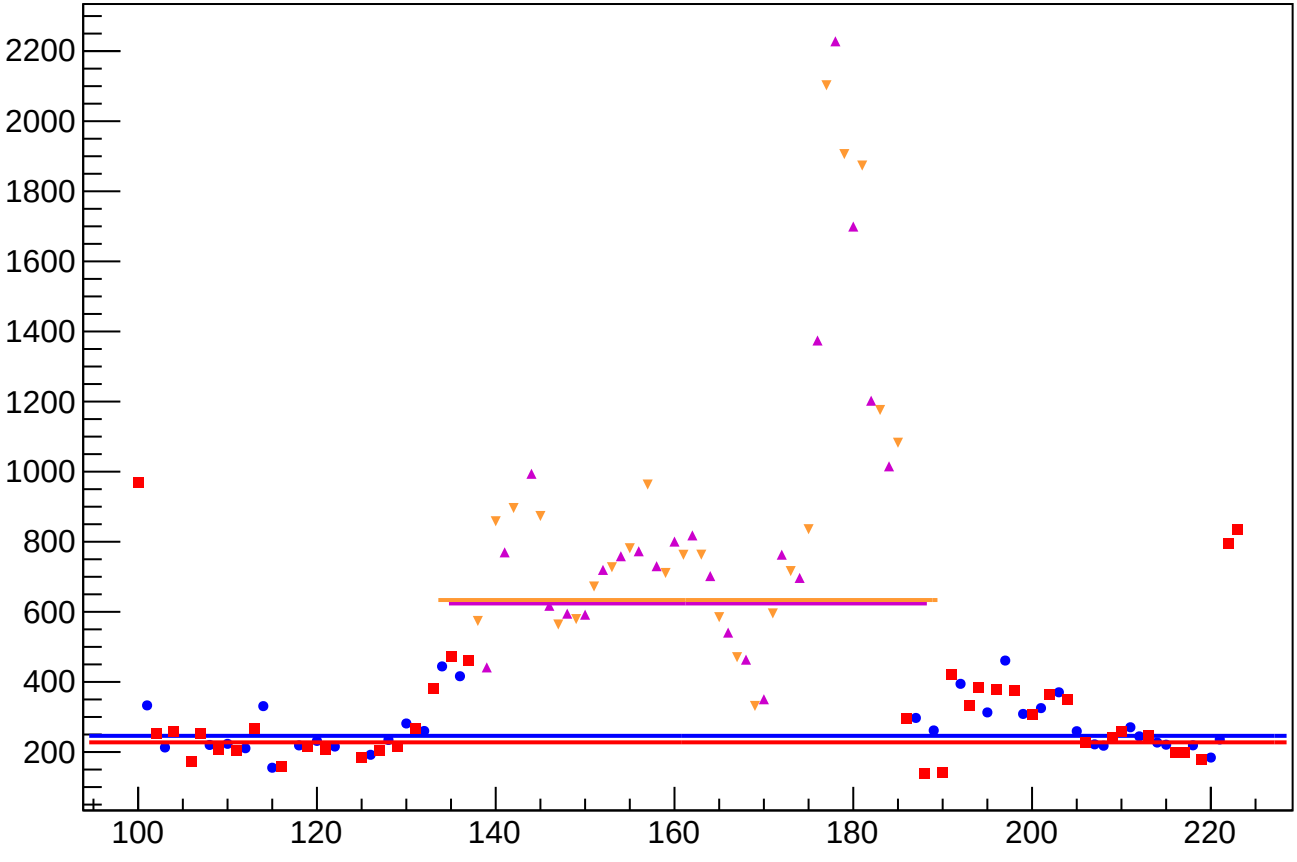
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.056+/-0.053 χ^2/NDF: 66.9/57

All: -0.063+/-0.036 χ^2/NDF: 144.4/118

- sign -0.069+/-0.050 χ^2/NDF: 77.4/60

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 246.178+/-0.039 χ^2/NDF: 2184511.5/33

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

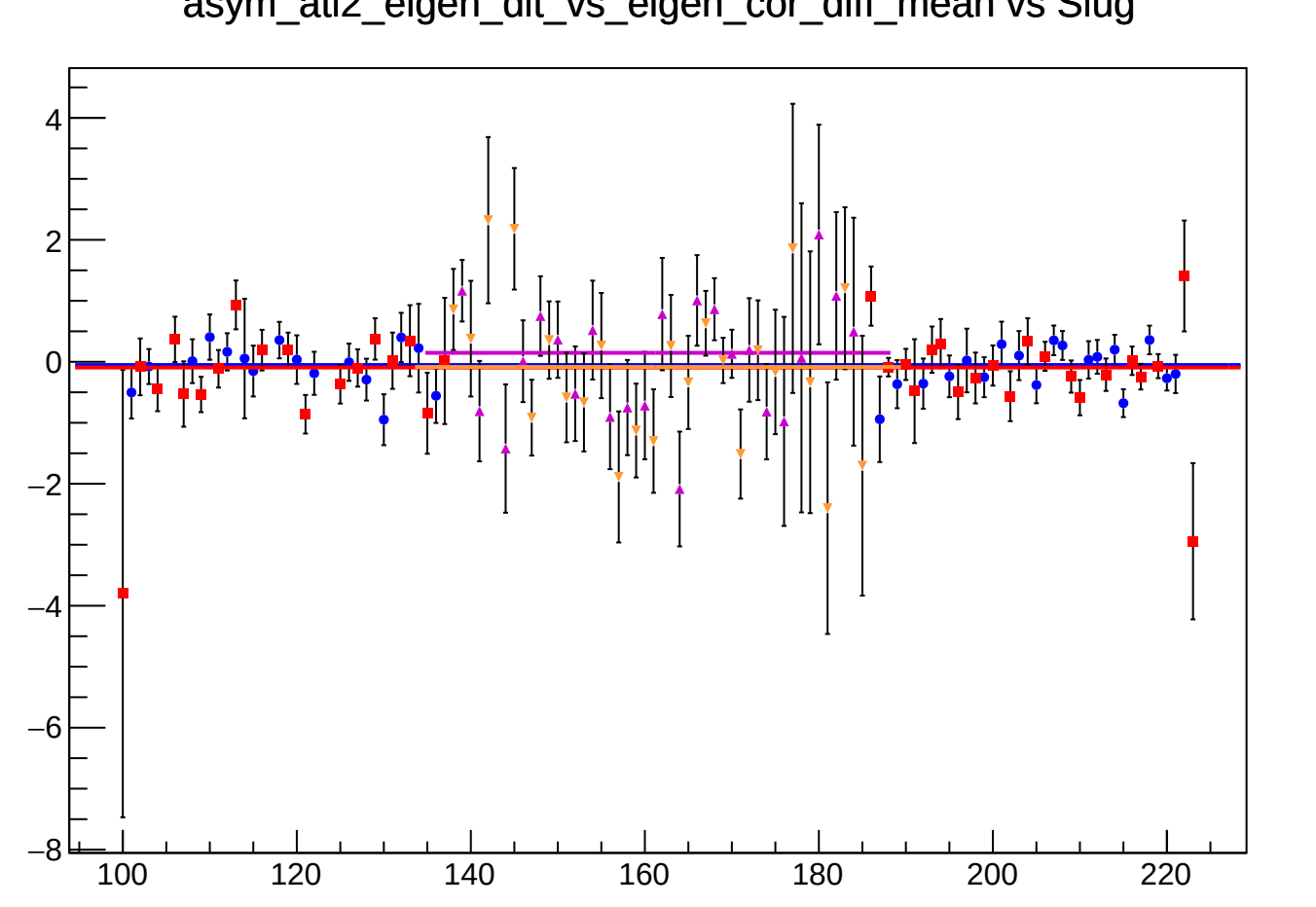
Right Out: 227.606+/-0.037 χ^2/NDF: 4864507.2/37

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 287.521+/-0.037 χ^2/NDF: 17472859.1/57

All: 276.805+/-0.026 χ^2/NDF: 38332304.6/11

- sign 267.173+/-0.035 χ^2/NDF: 20702590.8/60



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.093+/-0.053 χ^2/NDF: 48.9/37

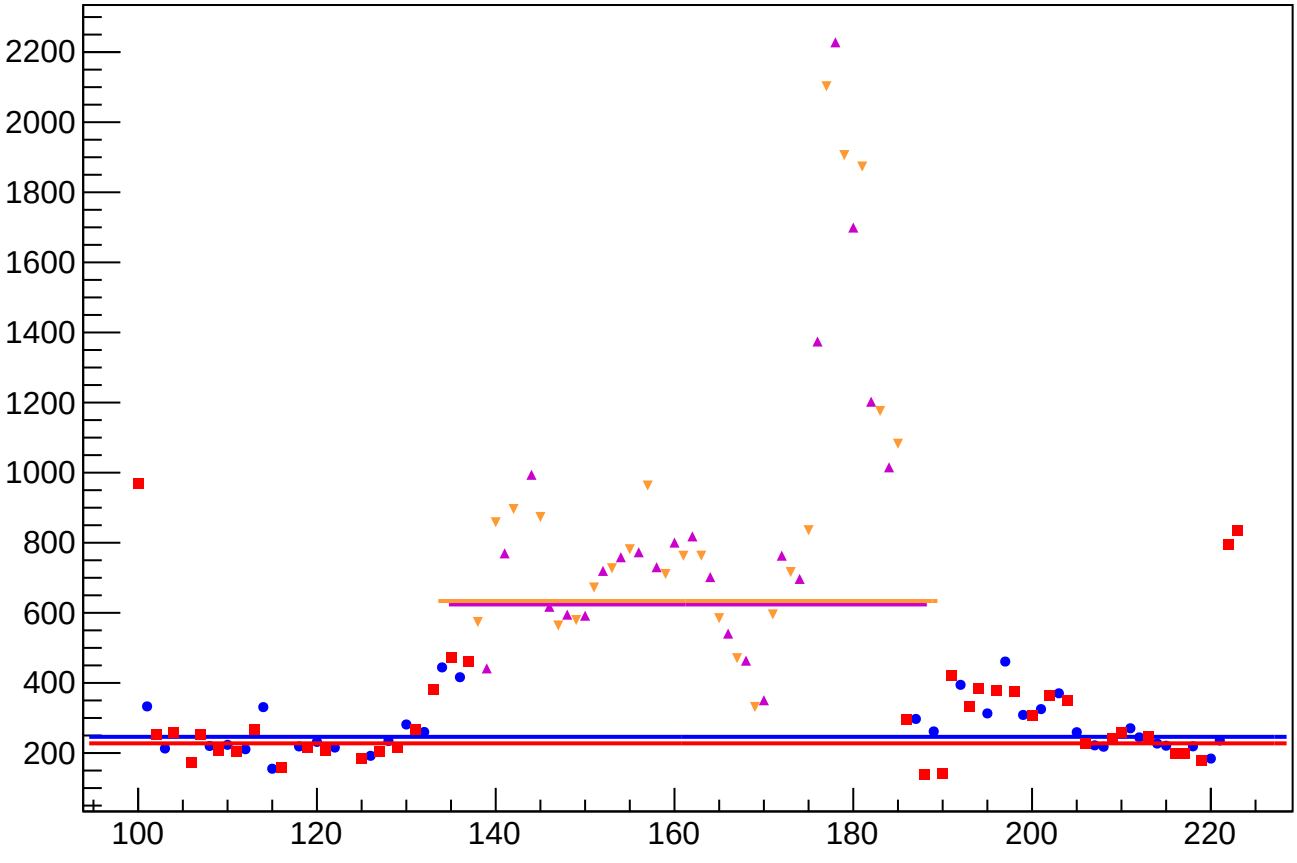
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.056+/-0.053 χ^2/NDF: 66.9/57

All: -0.063+/-0.036 χ^2/NDF: 144.4/118

- sign -0.069+/-0.050 χ^2/NDF: 77.4/60

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 246.178+/-0.039 χ^2/NDF: 2184511.5/33

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 227.606+/-0.037 χ^2/NDF: 4864507.2/37

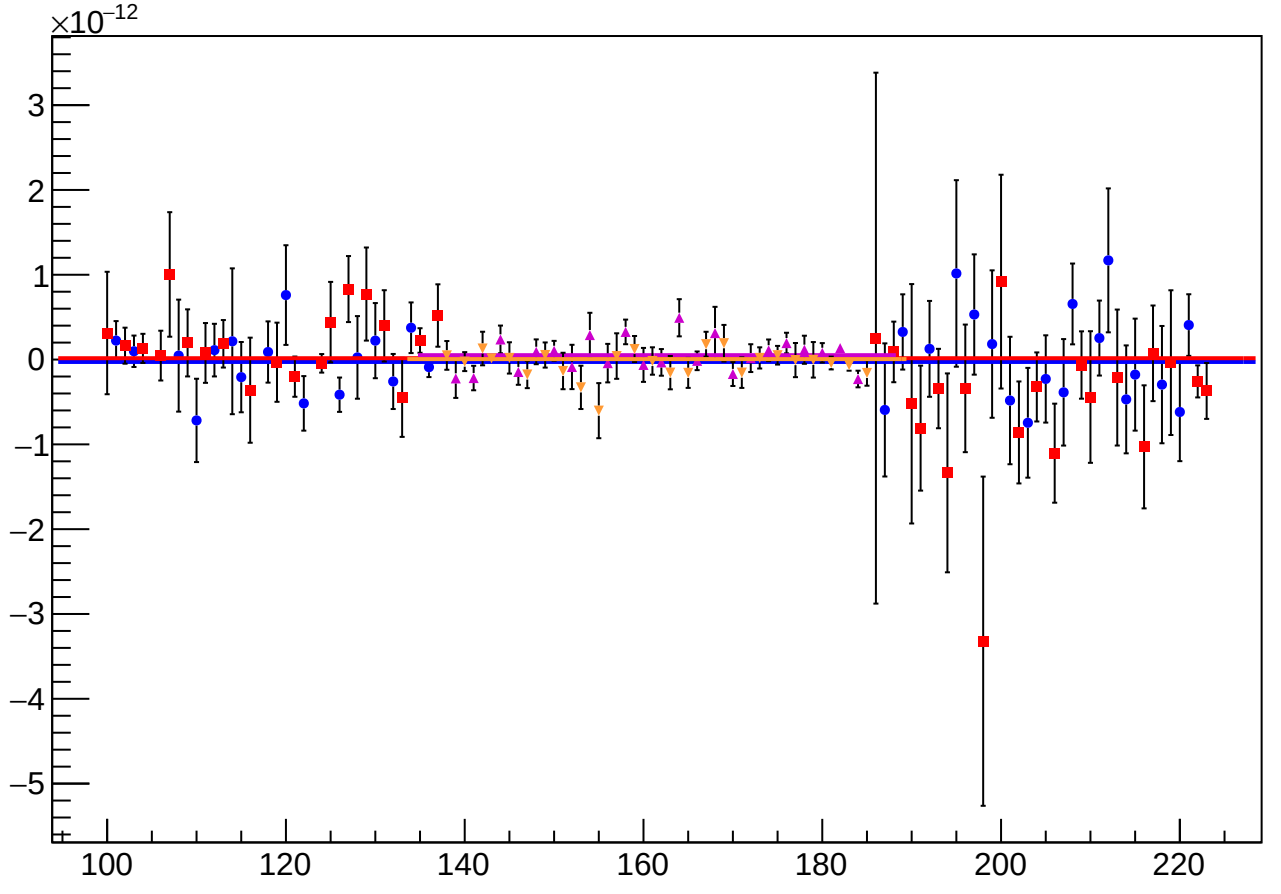
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 287.521+/-0.037 χ^2/NDF: 17472859.1/57

All: 276.805+/-0.026 χ^2/NDF: 38332304.6/11

- sign 267.173+/-0.035 χ^2/NDF: 20702590.8/60

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

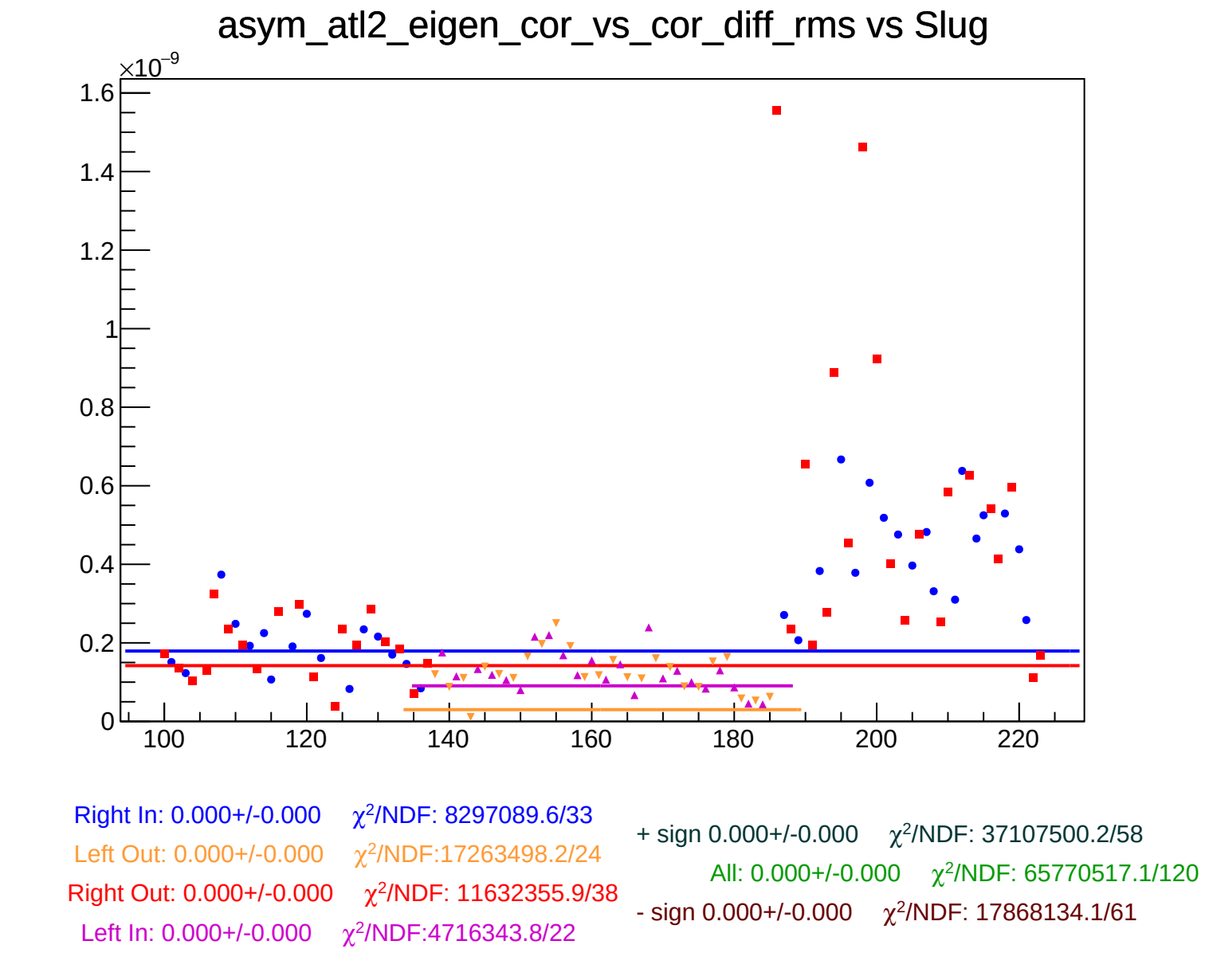
Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/38

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

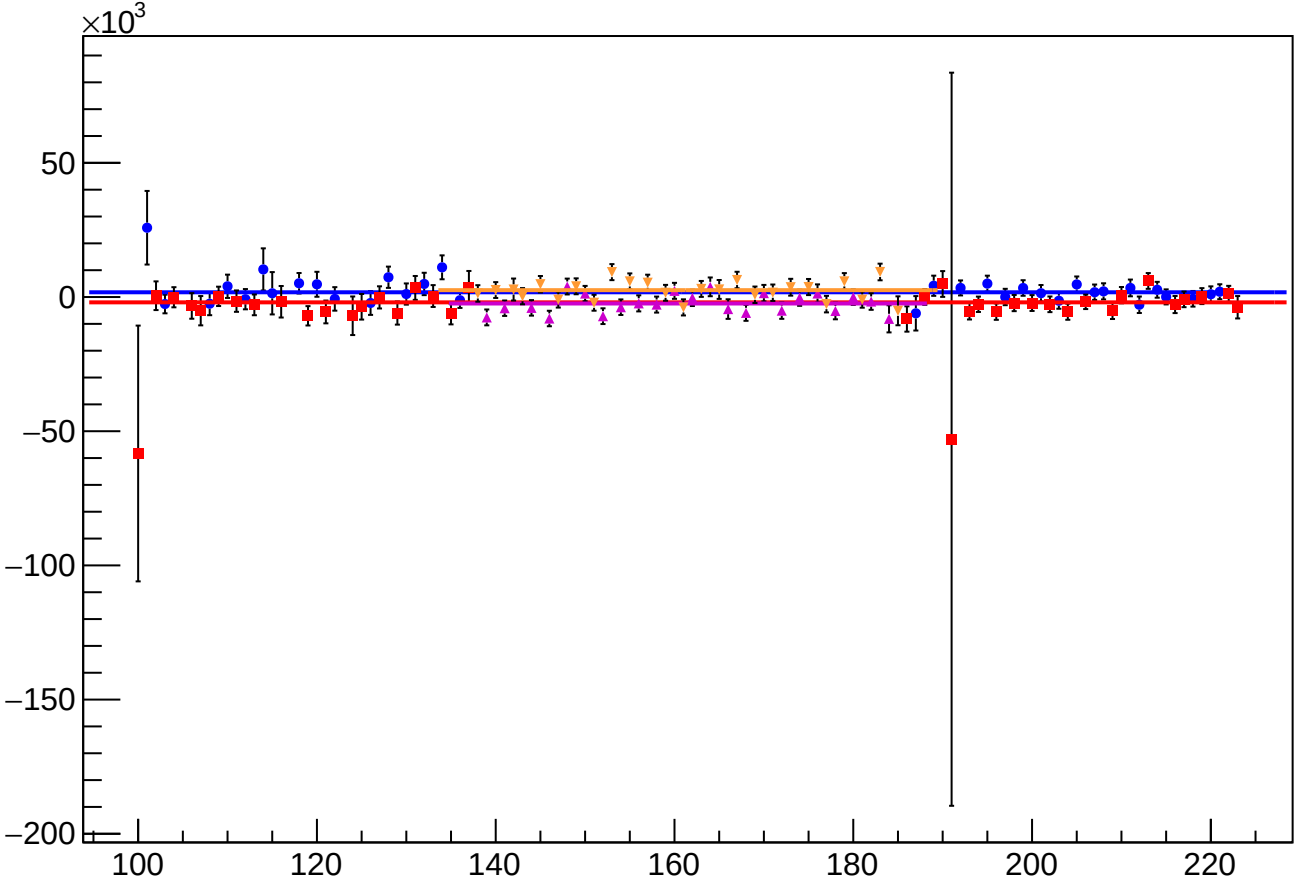
+ sign 0.000+/-0.000 χ^2/NDF: 43.5/58

All: 0.000+/-0.000 χ^2/NDF: 116.8/120

- sign 0.000+/-0.000 χ^2/NDF: 71.2/61


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8297089.6/33
Left Out: 0.000+/-0.000 χ²/NDF:17263498.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 11632355.9/38
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 37107500.2/58
All: 0.000+/-0.000 χ²/NDF: 65770517.1/120
- sign 0.000+/-0.000 χ²/NDF: 17868134.1/61

reg_asym_atr1_mean vs Slug



Right In: 1768.709+/-595.932 χ^2/NDF: 27.9/33

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -1984.533+/-588.109 χ^2/NDF: 30.5/38

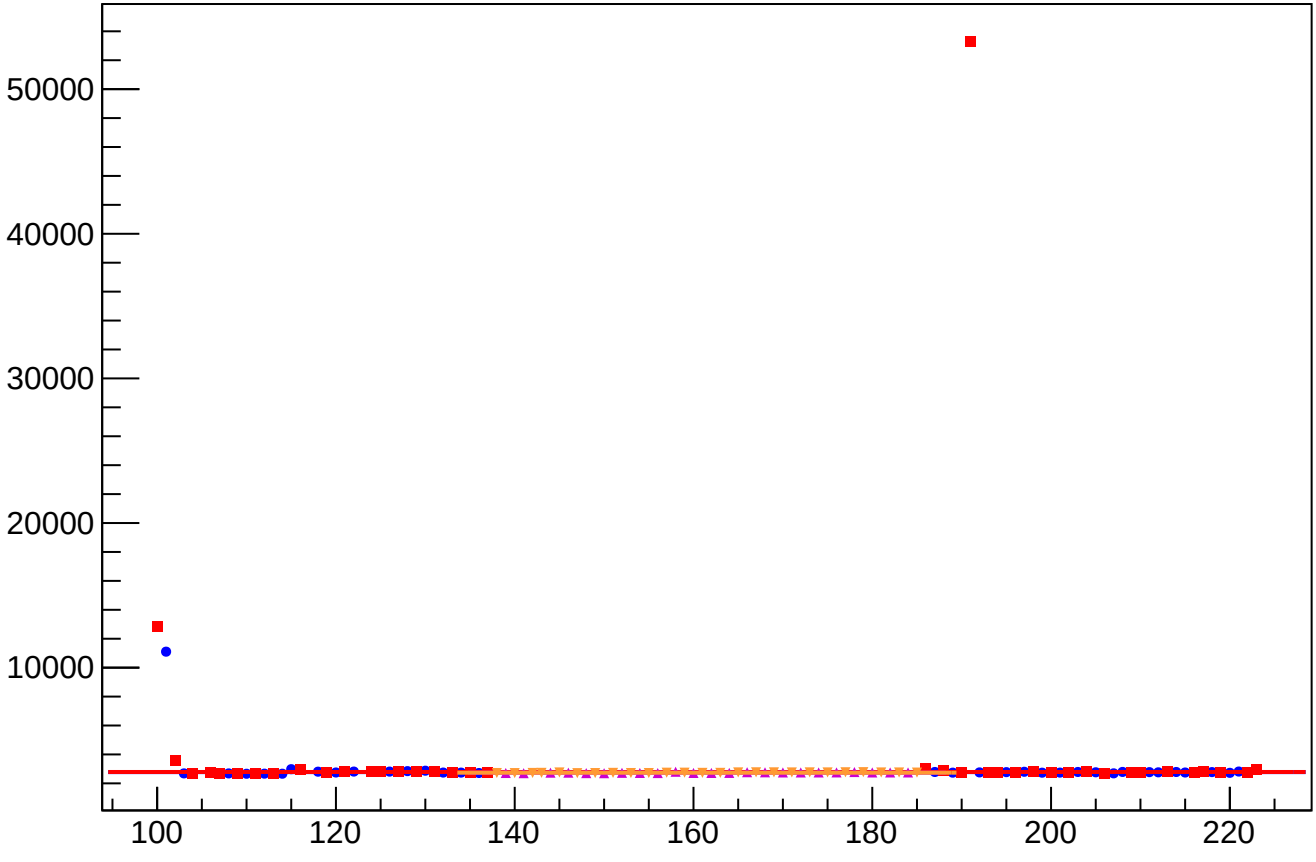
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2146.015+/-430.251 χ^2/NDF: 60.3/58

All: -2.765+/-305.185 χ^2/NDF: 172.6/120

- sign -2178.642+/-432.956 χ^2/NDF: 62.1/61

reg_asym_atr1_rms vs Slug



Right In: 2777.387+/-0.421 χ^2/NDF: 751689.0/33

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.523+/-0.416 χ^2/NDF: 487238.9/38

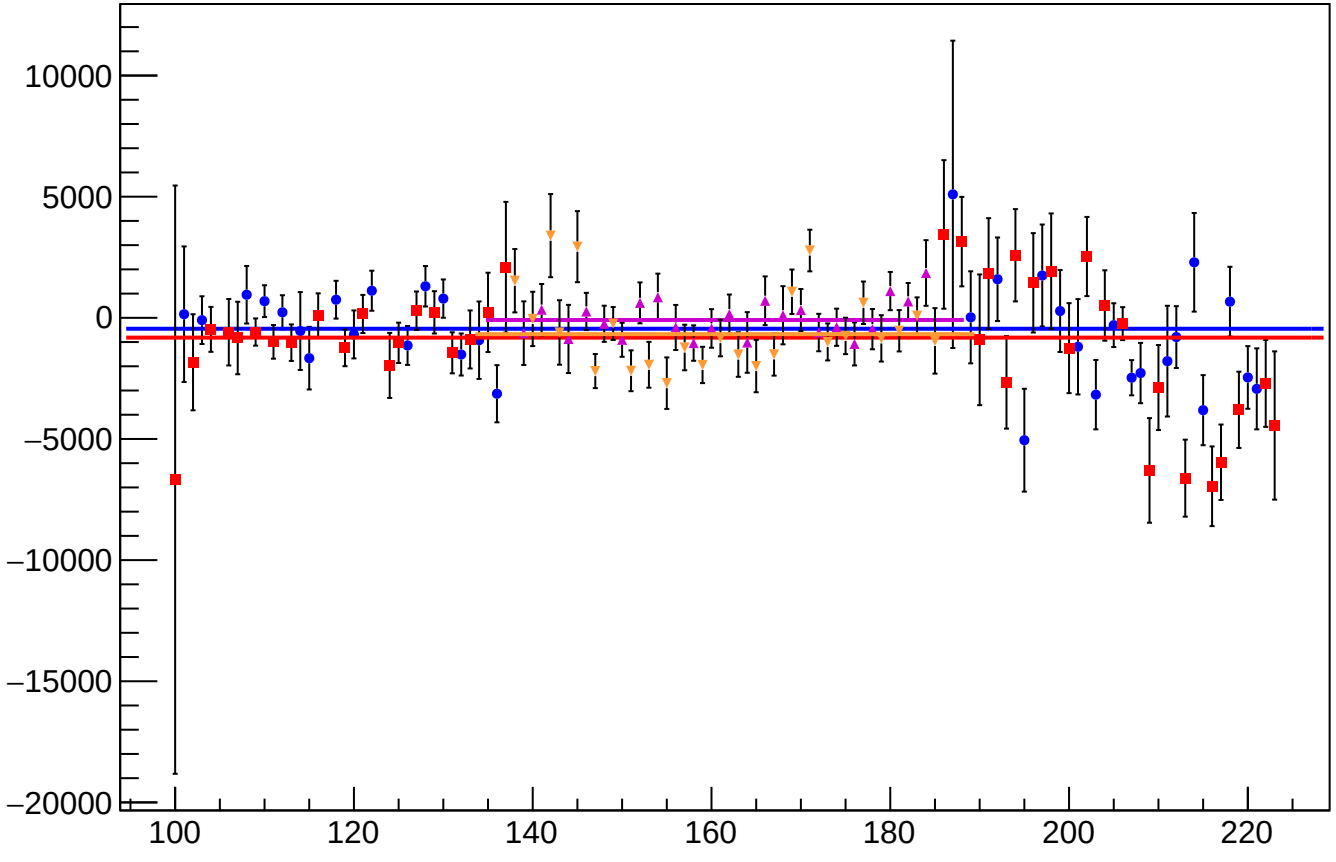
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2758.300+/-0.304 χ^2/NDF: 758292.0/58

All: 2761.704+/-0.216 χ^2/NDF: 1254911.3/12

- sign 2765.151+/-0.306 χ^2/NDF: 496367.3/61

asym_atr1_reg_correction_mean vs Slug



Right In: -451.049+/-191.542 χ^2/NDF: 61.5/33

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -816.821+/-185.780 χ^2/NDF: 82.5/38

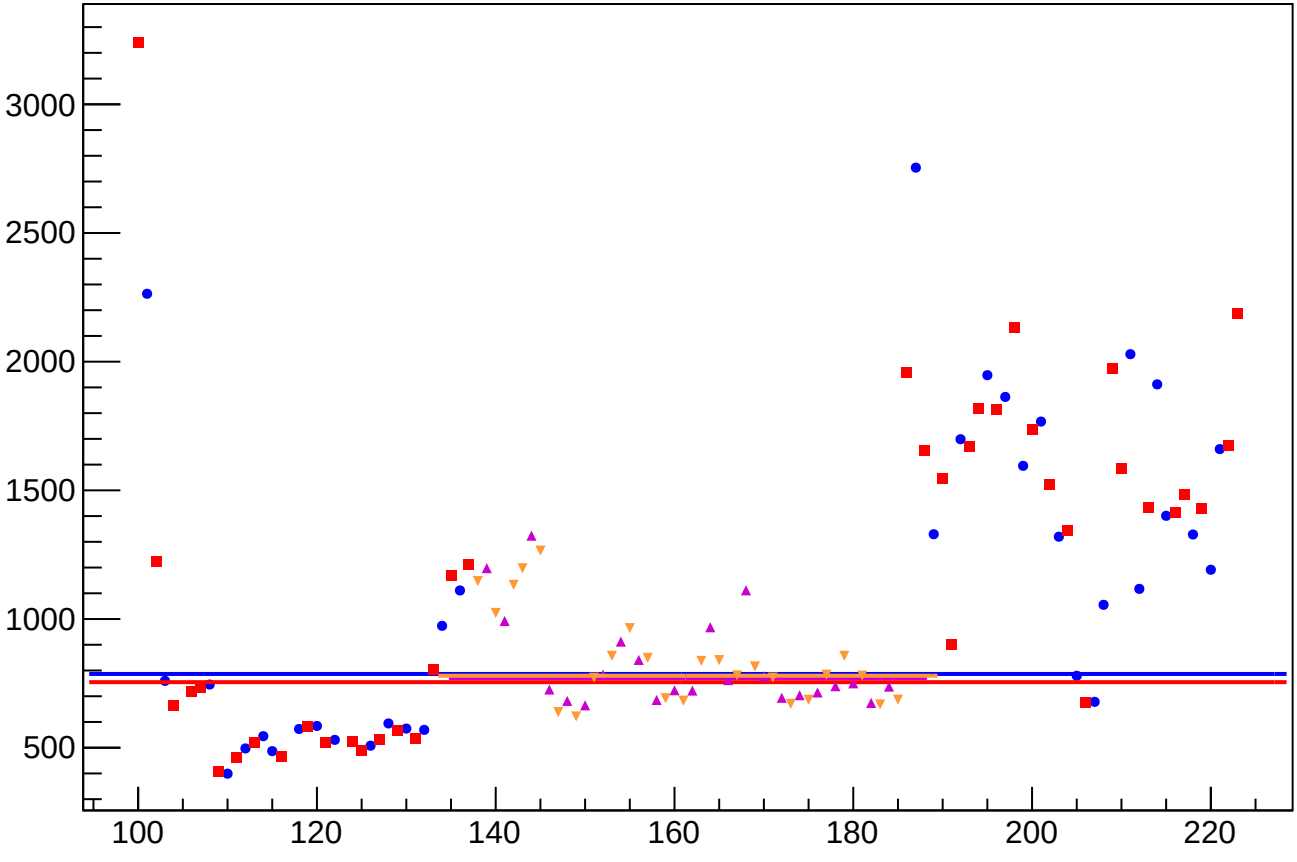
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -568.525+/-131.644 χ^2/NDF: 120.6/58

All: -508.094+/-92.697 χ^2/NDF: 226.1/120

- sign -448.663+/-130.549 χ^2/NDF: 105.1/61

asym_atr1_reg_correction_rms vs Slug



Right In: 786.531+/-0.135 χ^2/NDF: 9101204.2/33

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 754.657+/-0.131 χ^2/NDF: 10985109.0/38

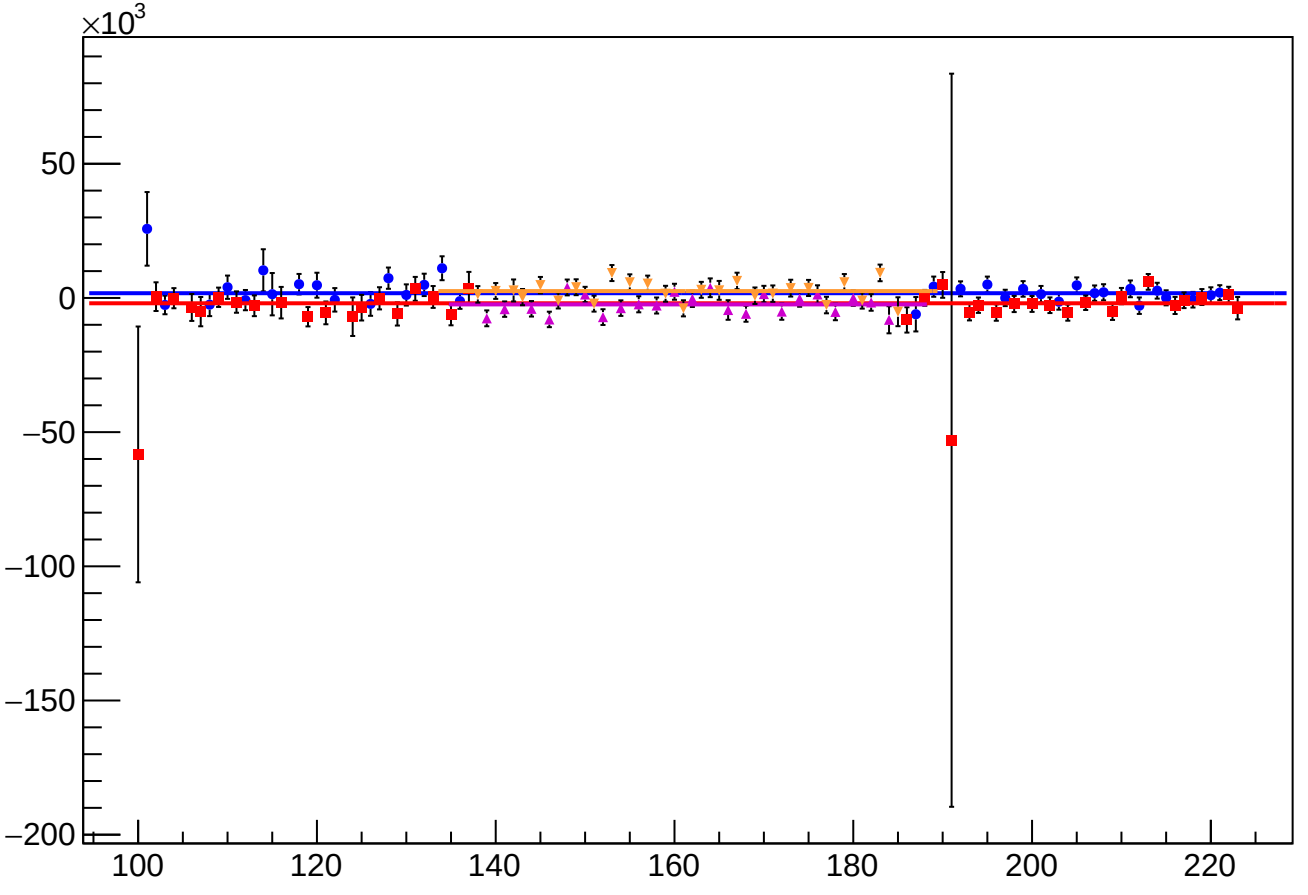
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 782.934+/-0.093 χ^2/NDF: 10346283.8/58

All: 772.796+/-0.066 χ^2/NDF: 22438913.7/12

- sign 762.826+/-0.092 χ^2/NDF: 12069103.0/61

cor_asym_atr1_mean vs Slug



Right In: 1768.352+/-595.932 χ^2/NDF: 27.9/33

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -1985.801+/-588.545 χ^2/NDF: 30.6/38

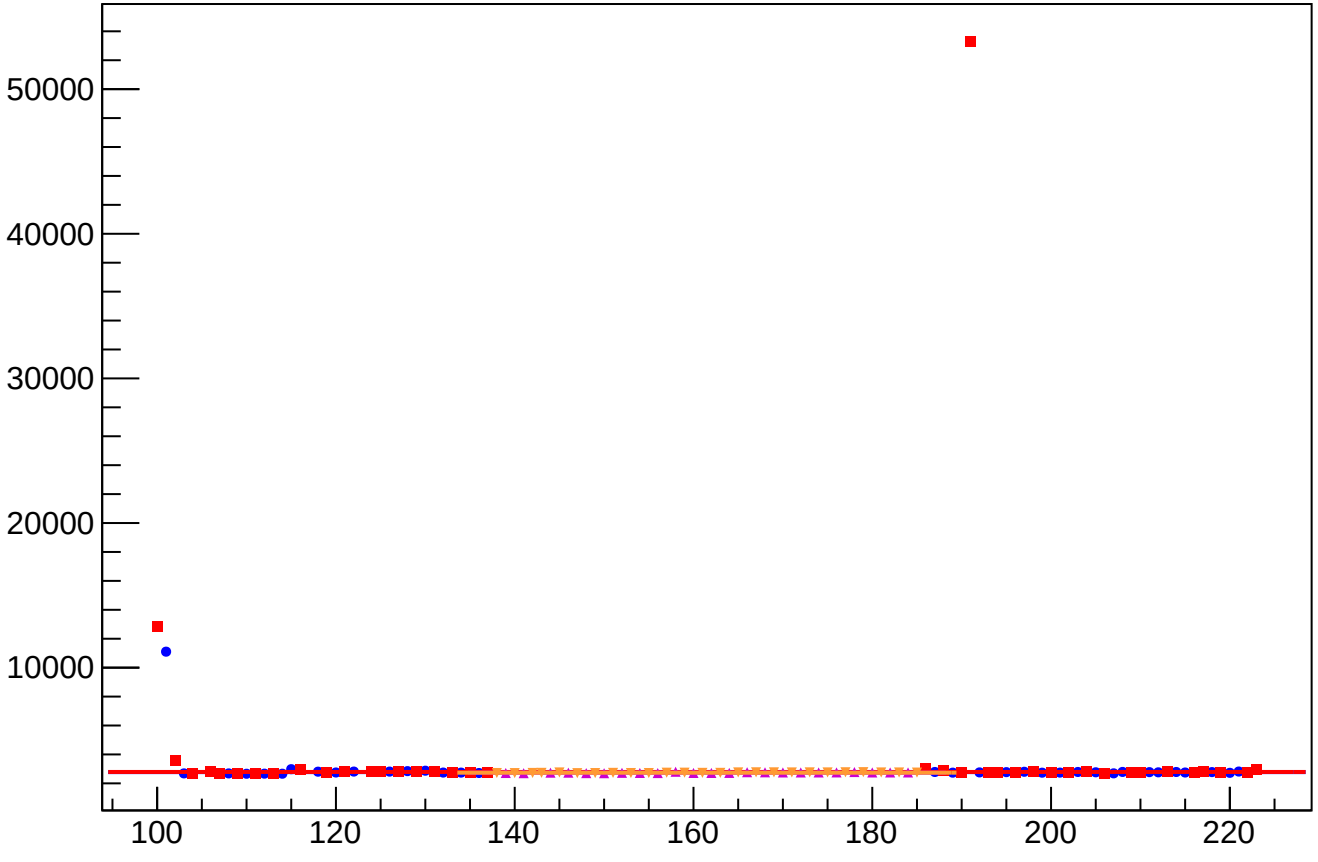
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2145.810+/-430.251 χ^2/NDF: 60.3/58

All: -2.451+/-305.246 χ^2/NDF: 172.6/120

- sign -2179.549+/-433.130 χ^2/NDF: 62.2/61

cor_asym_atr1_rms vs Slug



Right In: 2777.387+/-0.421 χ^2/NDF: 751688.1/33

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2788.236+/-0.416 χ^2/NDF: 487066.3/38

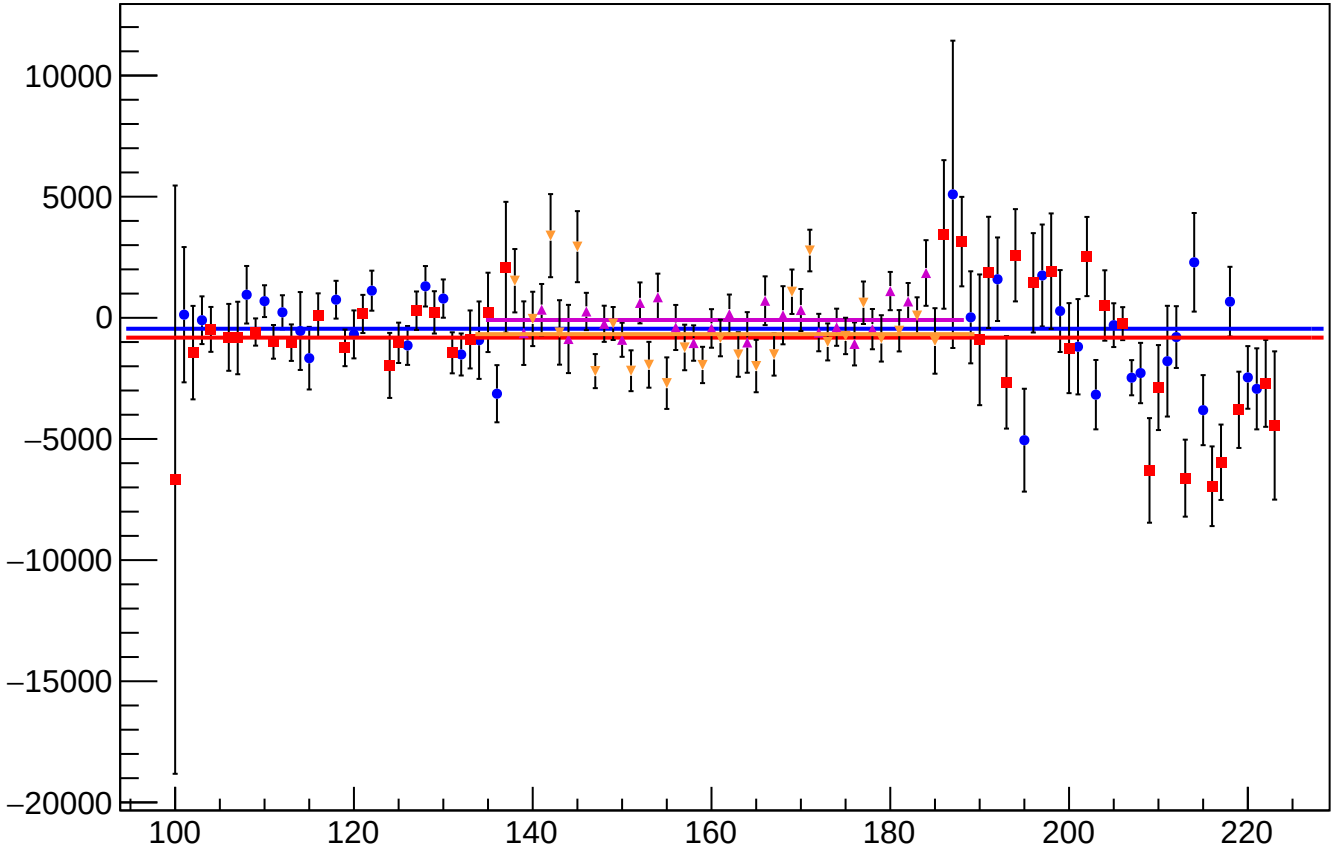
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2758.300+/-0.304 χ^2/NDF: 758291.1/58

All: 2762.155+/-0.216 χ^2/NDF: 1255236.0/12

- sign 2766.062+/-0.306 χ^2/NDF: 496621.6/61

asym_atr1_cor_correction_mean vs Slug



Right In: -451.040+/-191.536 χ^2/NDF: 61.5/33

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -817.429+/-185.755 χ^2/NDF: 82.4/38

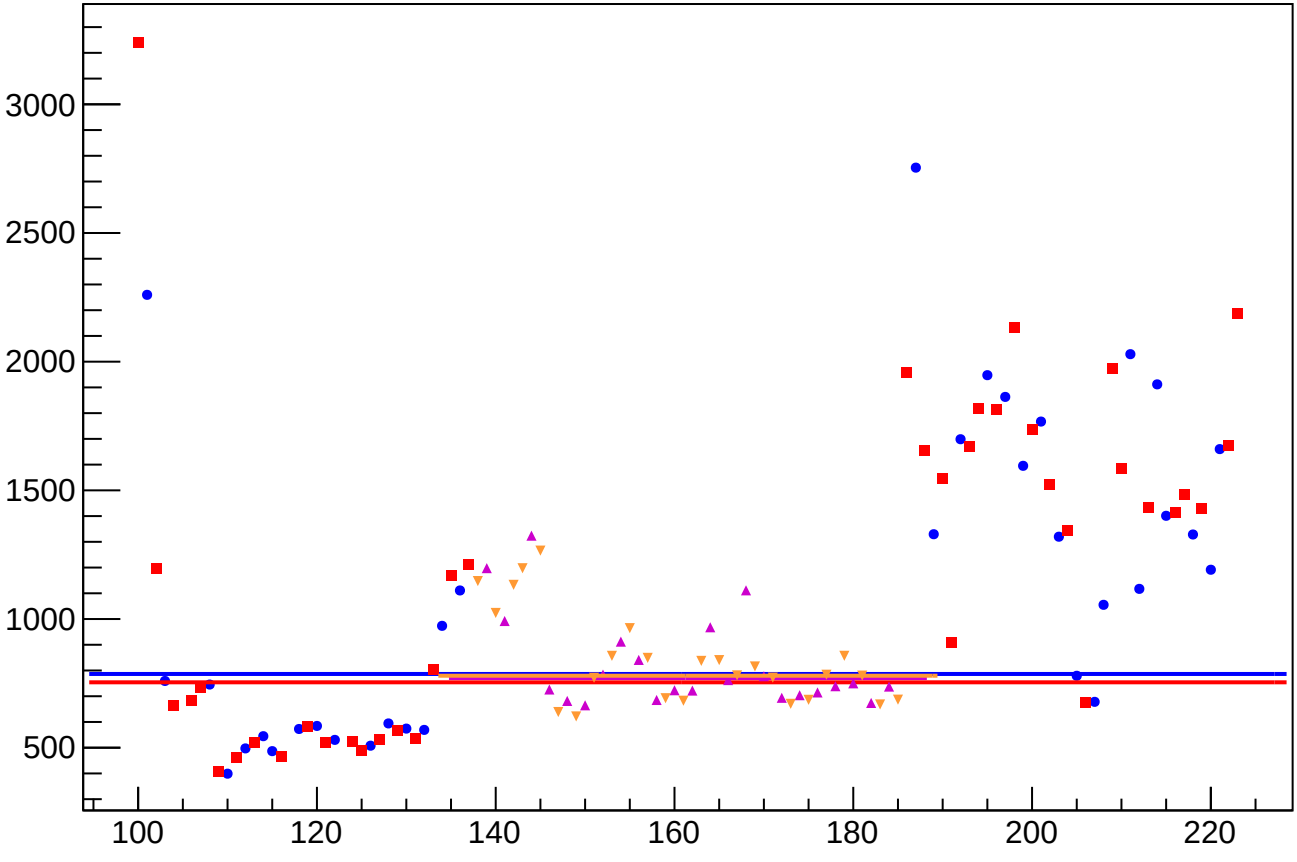
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -568.473+/-131.642 χ^2/NDF: 120.6/58

All: -508.273+/-92.693 χ^2/NDF: 226.0/120

- sign -449.075+/-130.541 χ^2/NDF: 104.9/61

asym_atr1_cor_correction_rms vs Slug



Right In: 786.516+/-0.135 χ^2/NDF: 9100455.8/33

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 754.081+/-0.131 χ^2/NDF: 10984208.7/38

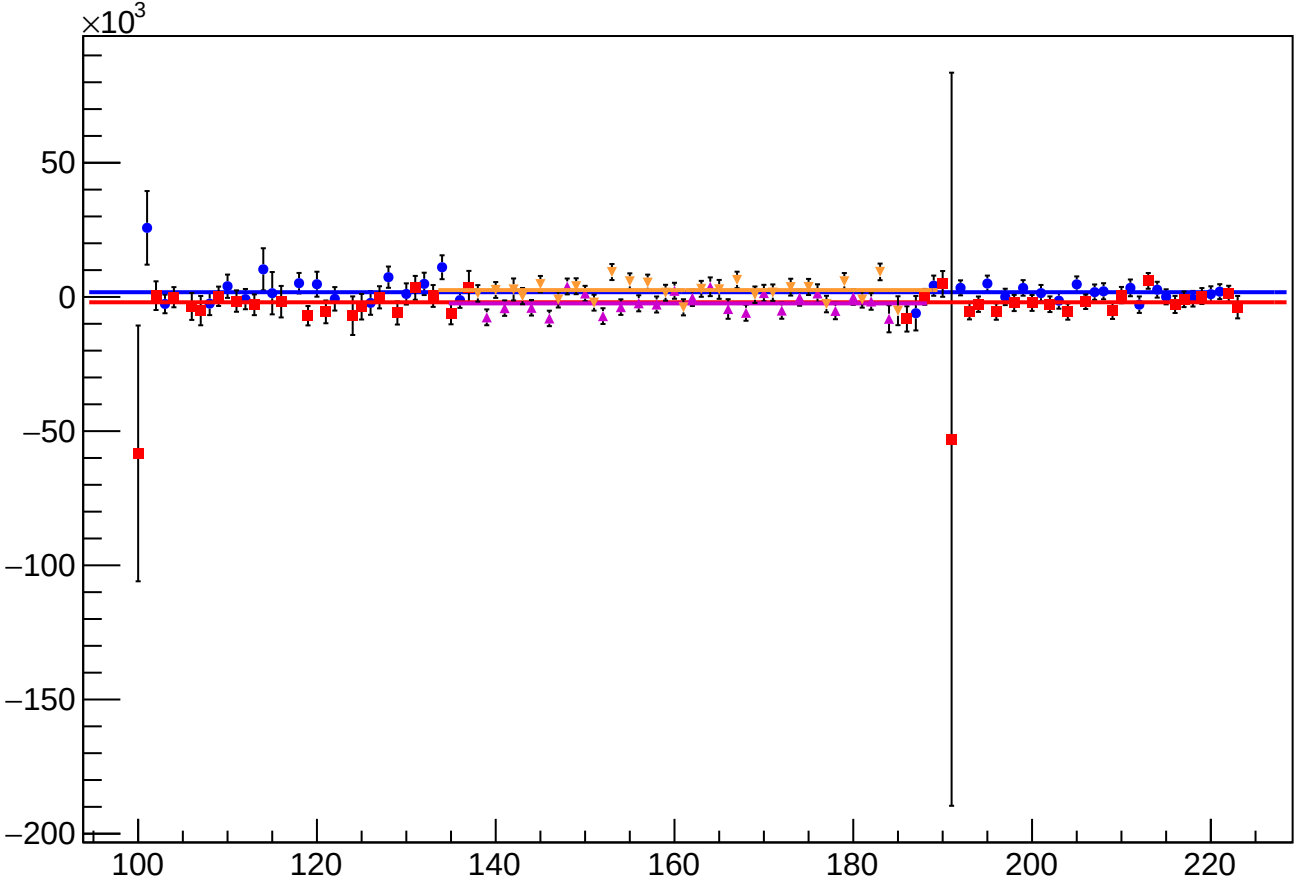
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 782.927+/-0.093 χ^2/NDF: 10345556.7/58

All: 772.649+/-0.066 χ^2/NDF: 22438435.1/12

- sign 762.542+/-0.092 χ^2/NDF: 12068699.1/61

eigen_cor_asym_atr1_mean vs Slug



Right In: 1768.352+/-595.932 χ^2/NDF: 27.9/33

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -1985.801+/-588.545 χ^2/NDF: 30.6/38

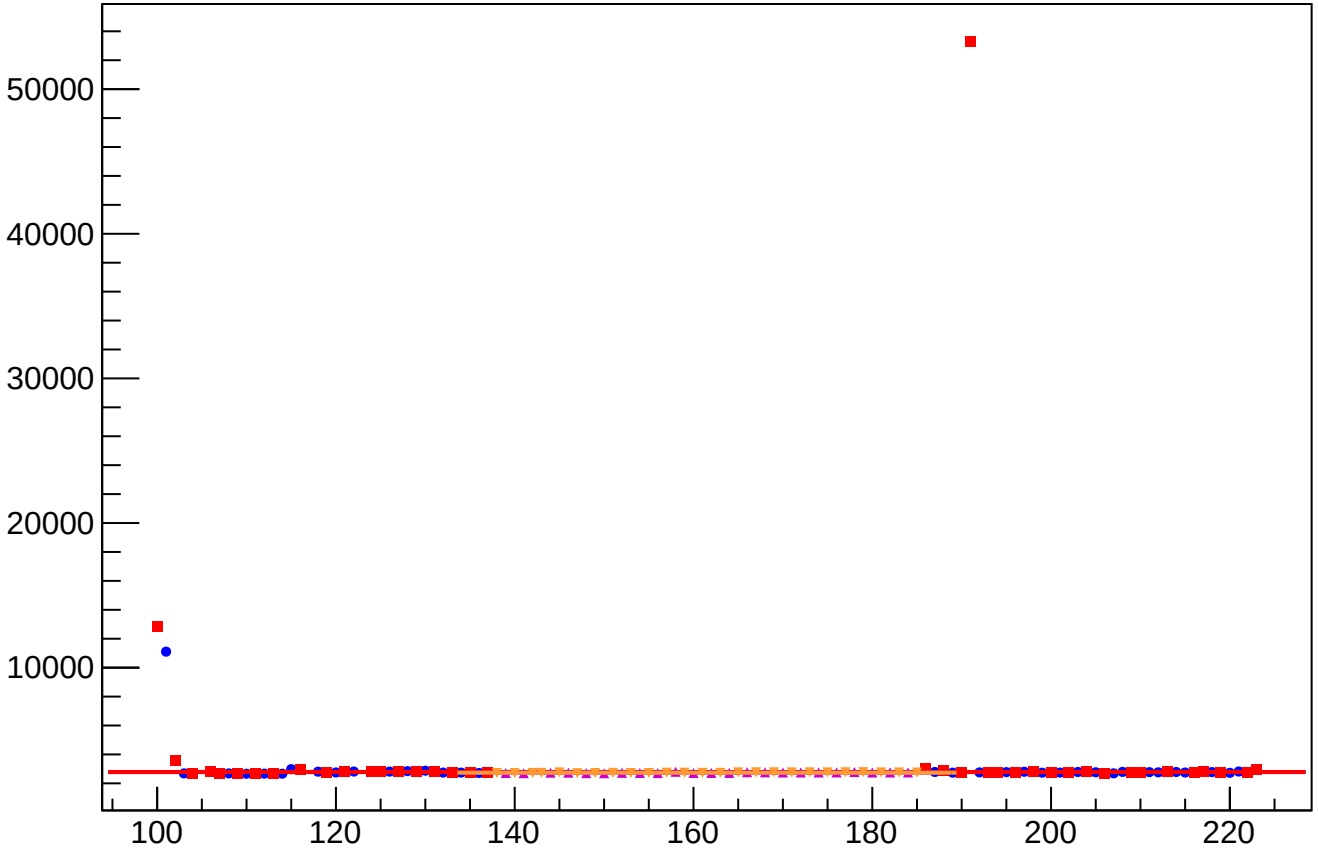
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2145.810+/-430.251 χ^2/NDF: 60.3/58

All: -2.451+/-305.246 χ^2/NDF: 172.6/120

- sign -2179.549+/-433.130 χ^2/NDF: 62.2/61

eigen_cor_asym_atr1_rms vs Slug



Right In: 2777.387+/-0.421 χ^2/NDF: 751688.1/33

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2788.236+/-0.416 χ^2/NDF: 487066.3/38

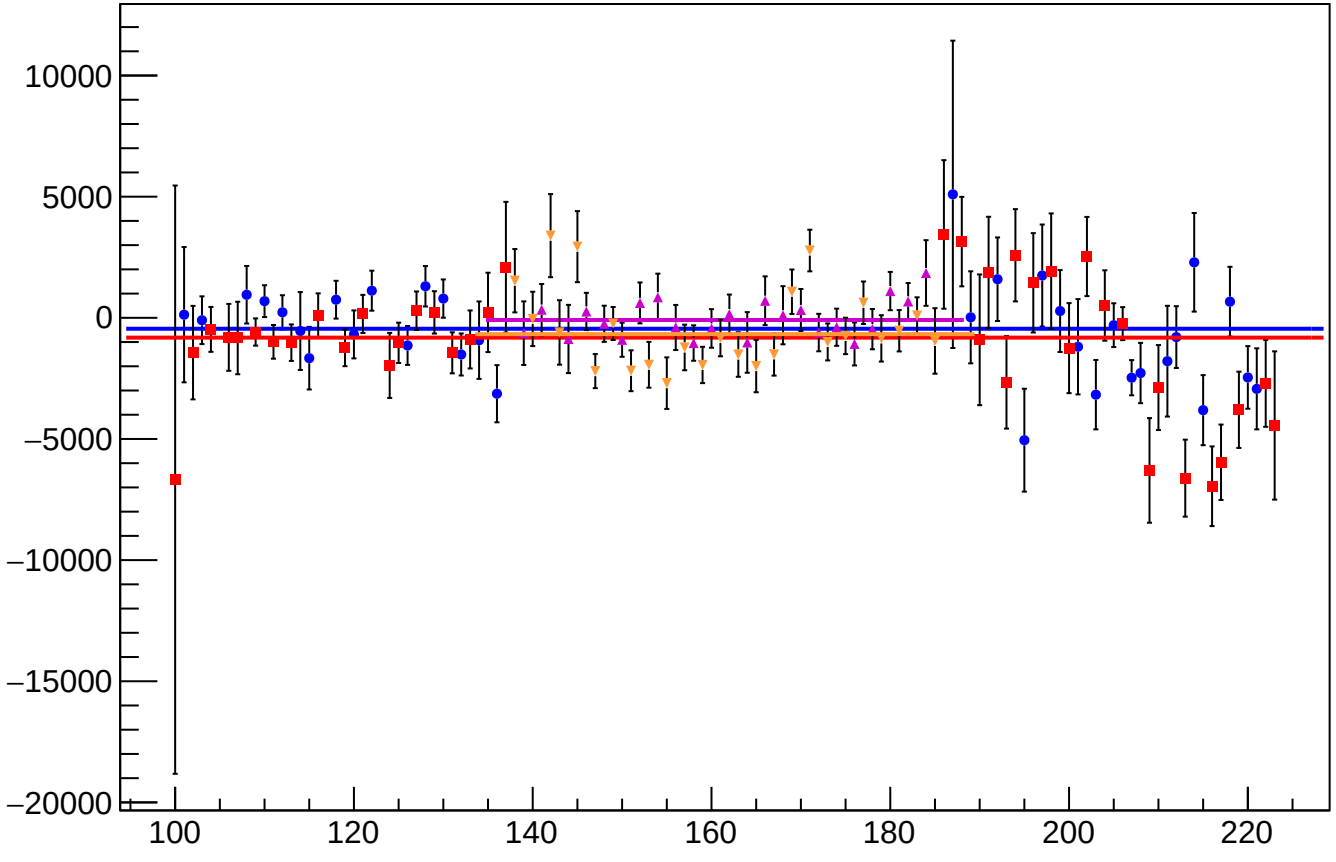
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2758.300+/-0.304 χ^2/NDF: 758291.1/58

All: 2762.155+/-0.216 χ^2/NDF: 1255236.0/12

- sign 2766.062+/-0.306 χ^2/NDF: 496621.6/61

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -451.040+/-191.536 χ^2/NDF: 61.5/33

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -817.429+/-185.755 χ^2/NDF: 82.4/38

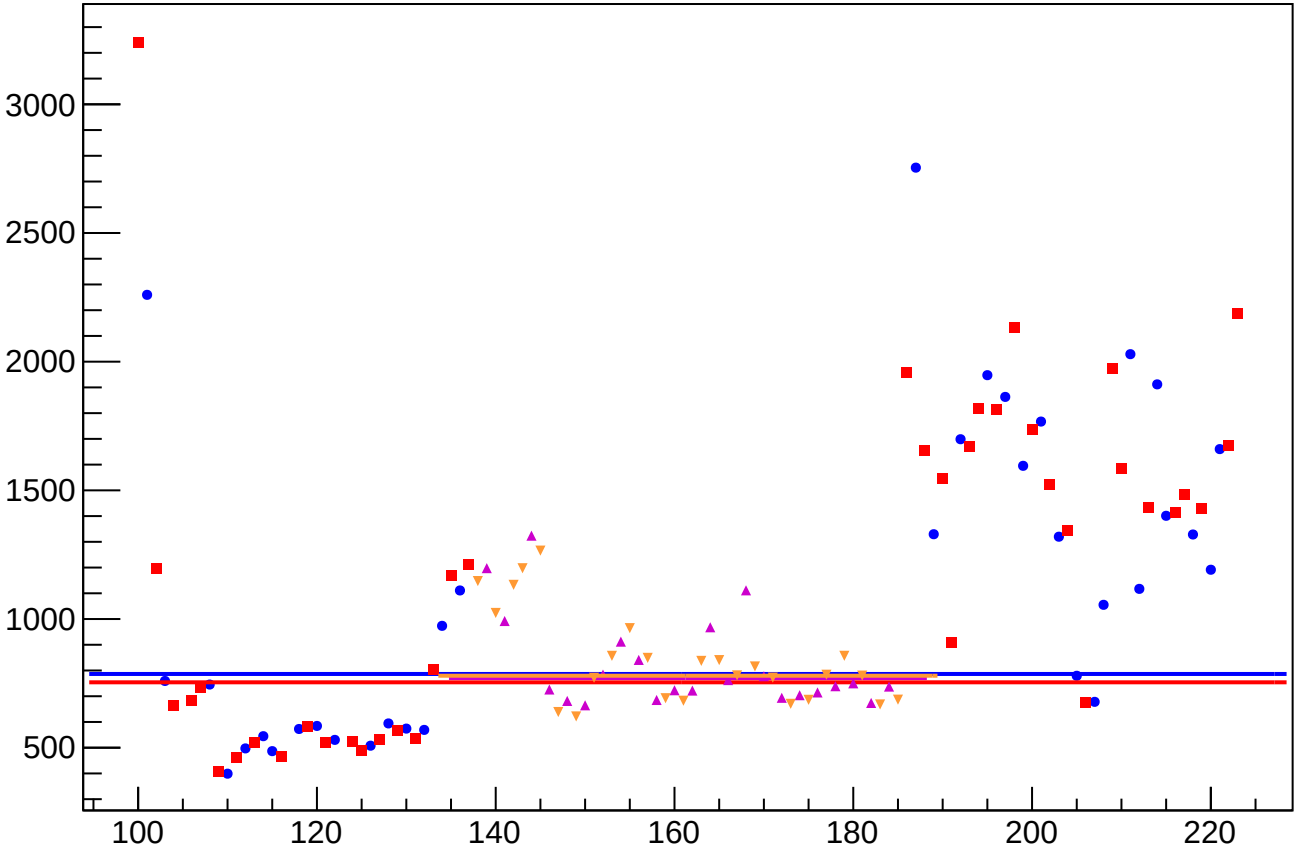
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -568.473+/-131.642 χ^2/NDF: 120.6/58

All: -508.273+/-92.693 χ^2/NDF: 226.0/120

- sign -449.075+/-130.541 χ^2/NDF: 104.9/61

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 786.516+/-0.135 χ^2/NDF: 9100455.8/33

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 754.081+/-0.131 χ^2/NDF: 10984208.7/38

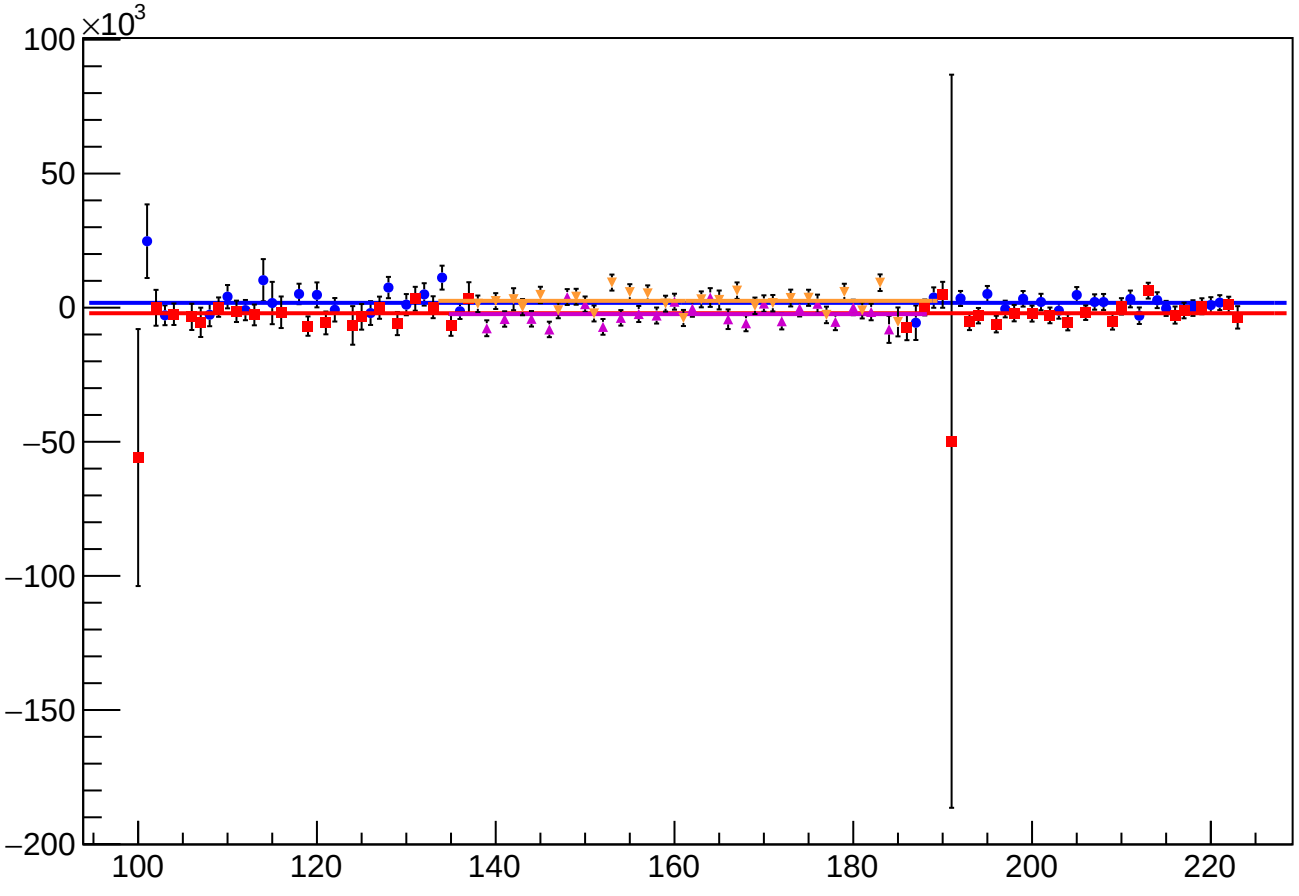
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 782.927+/-0.093 χ^2/NDF: 10345556.7/58

All: 772.649+/-0.066 χ^2/NDF: 22438435.1/12

- sign 762.542+/-0.092 χ^2/NDF: 12068699.1/61

dit_asym_atr1_mean vs Slug



Right In: 1799.678+/-598.647 χ^2/NDF: 27.7/33

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2076.051+/-592.398 χ^2/NDF: 30.4/38

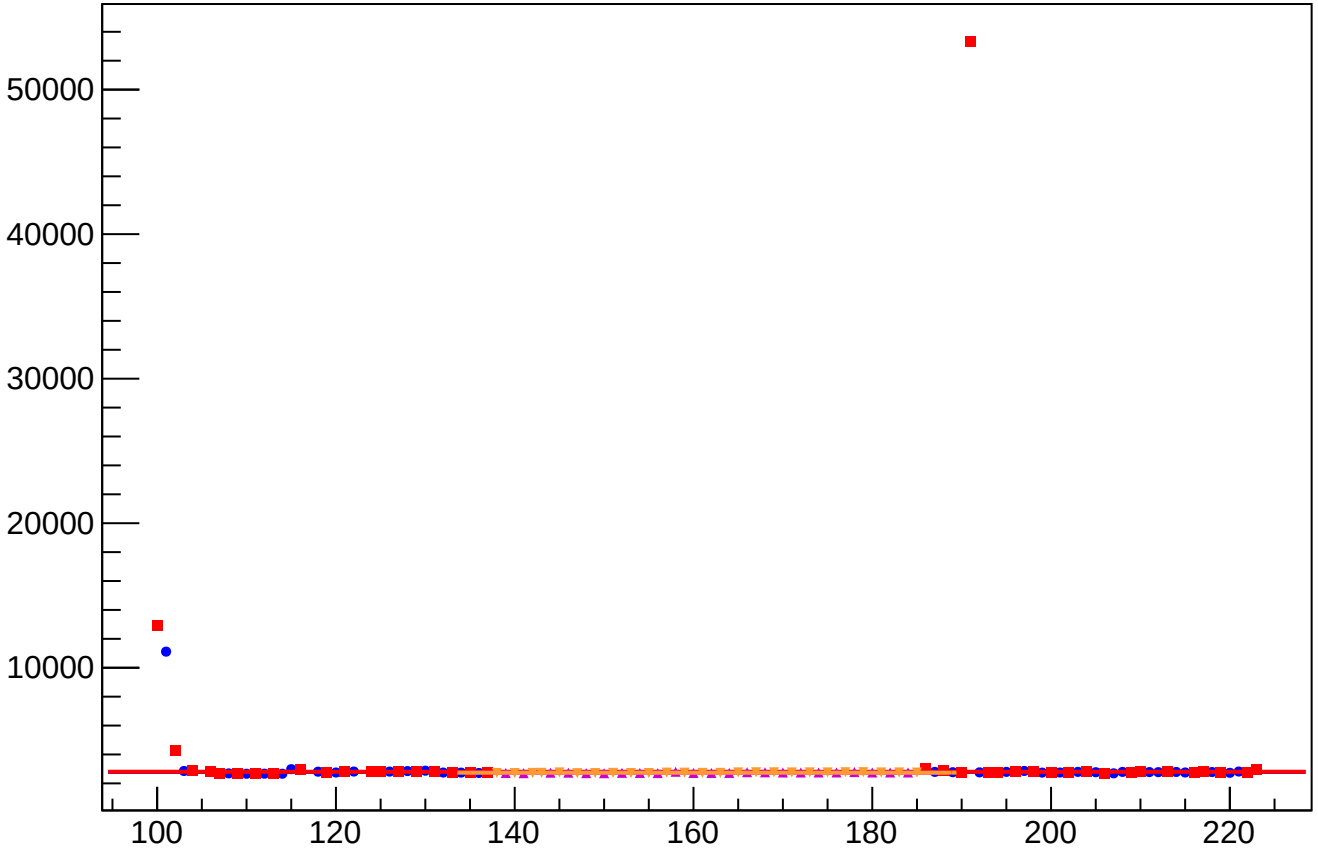
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2157.965+/-431.406 χ^2/NDF: 60.4/58

All: -18.313+/-306.233 χ^2/NDF: 174.0/120

- sign -2228.674+/-434.771 χ^2/NDF: 62.4/61

dit_asym_atr1_rms vs Slug



Right In: 2789.913+/-0.423 χ^2/NDF: 751570.3/33

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2802.083+/-0.419 χ^2/NDF: 540722.9/38

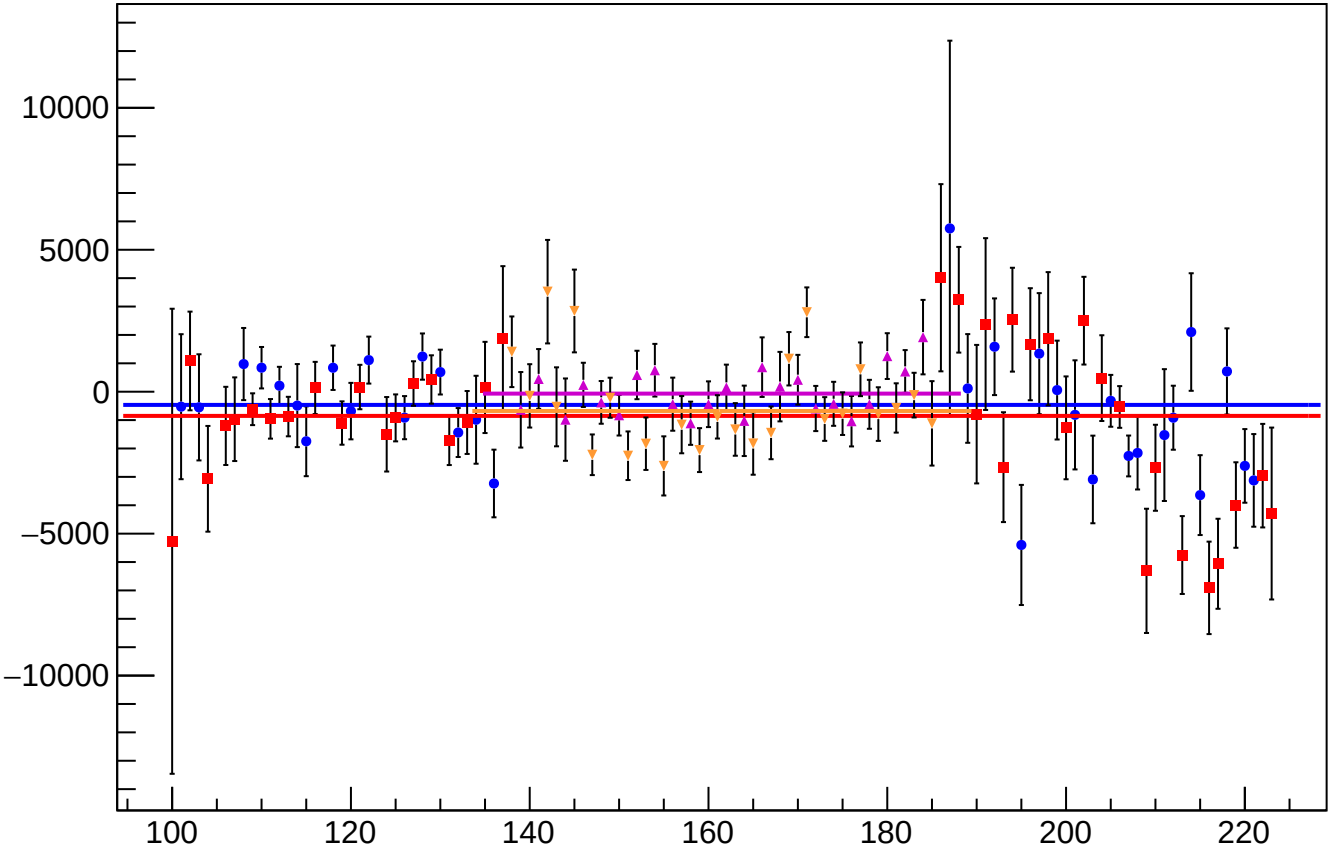
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2765.586+/-0.305 χ^2/NDF: 760763.4/58

All: 2769.801+/-0.217 χ^2/NDF: 1314926.1/12

- sign 2774.082+/-0.307 χ^2/NDF: 553777.9/61

asym_atr1_dit_correction_mean vs Slug



Right In: -464.893+/-193.566 χ^2/NDF: 59.4/33

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -852.040+/-186.675 χ^2/NDF: 86.6/38

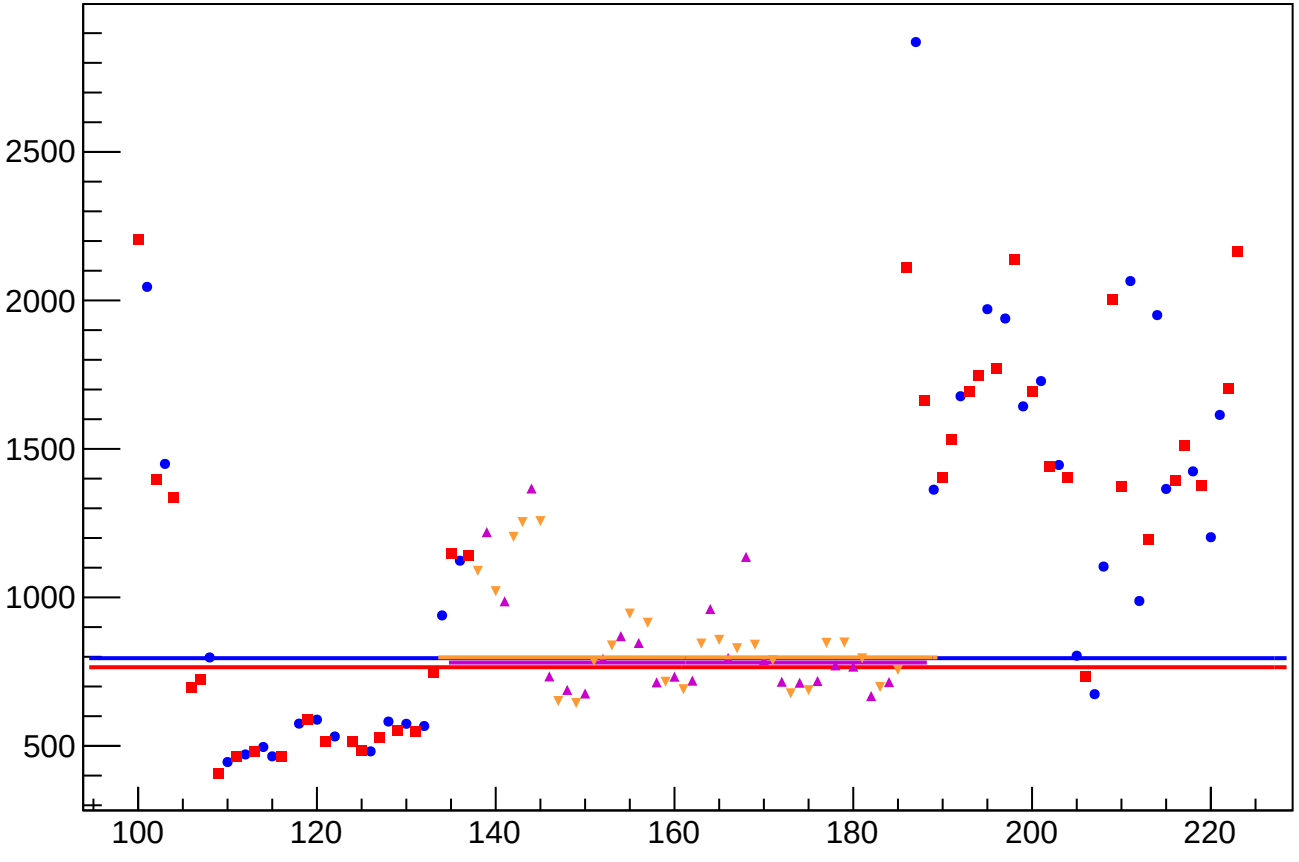
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -576.382+/-133.742 χ^2/NDF: 116.2/58

All: -515.701+/-93.788 χ^2/NDF: 228.0/120

- sign -456.985+/-131.559 χ^2/NDF: 111.4/61

asym_atr1_dit_correction_rms vs Slug



Right In: 795.331+/-0.137 χ^2/NDF: 9505248.6/33

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 764.836+/-0.132 χ^2/NDF: 11221704.5/38

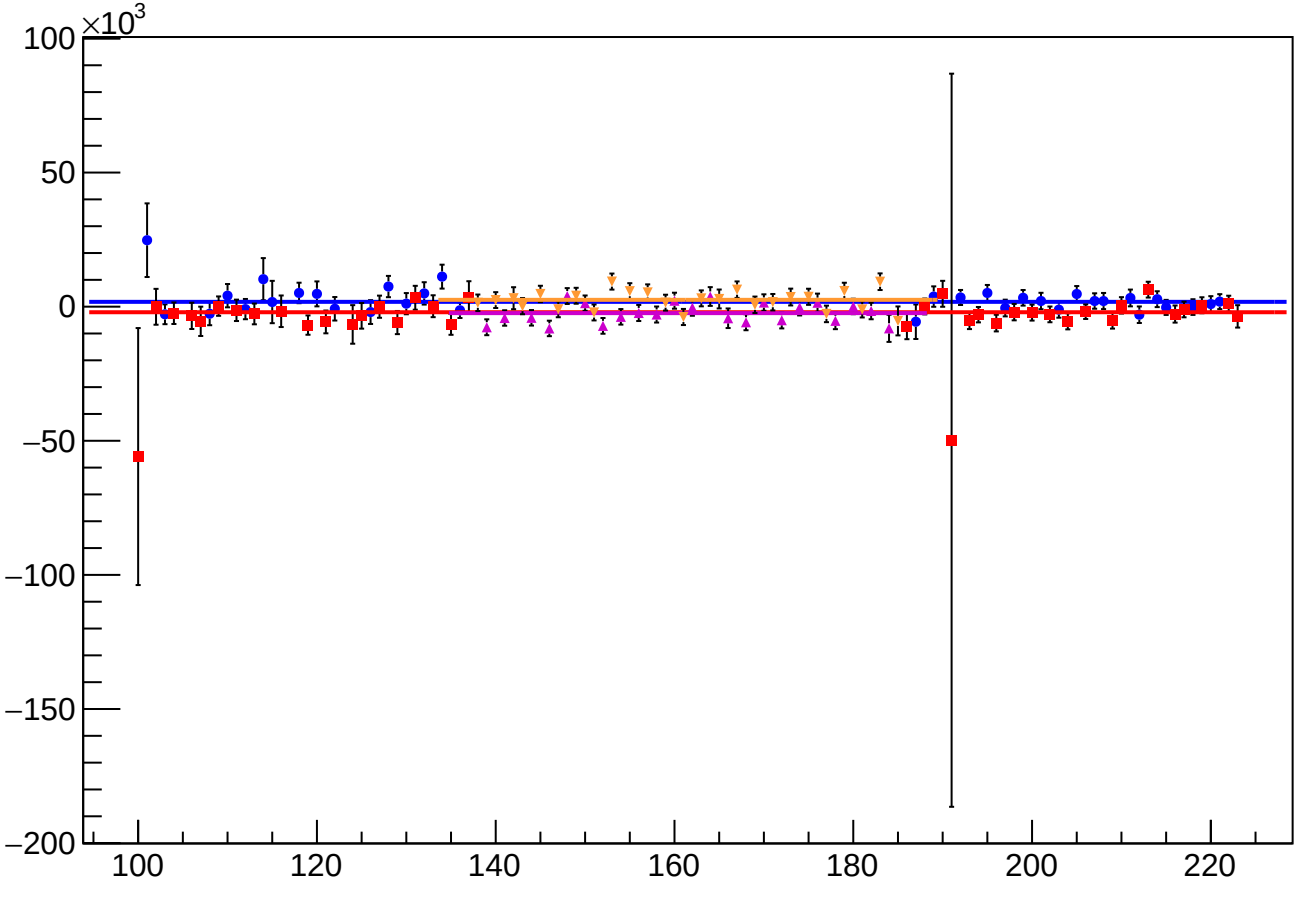
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 796.774+/-0.095 χ^2/NDF: 10673813.3/58

All: 784.556+/-0.066 χ^2/NDF: 23000298.7/12

- sign 772.733+/-0.093 χ^2/NDF: 12293642.4/61

eigen_dit_asym_atr1_mean vs Slug



Right In: 1799.681+/-598.647 χ^2/NDF: 27.7/33

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2076.047+/-592.398 χ^2/NDF: 30.4/38

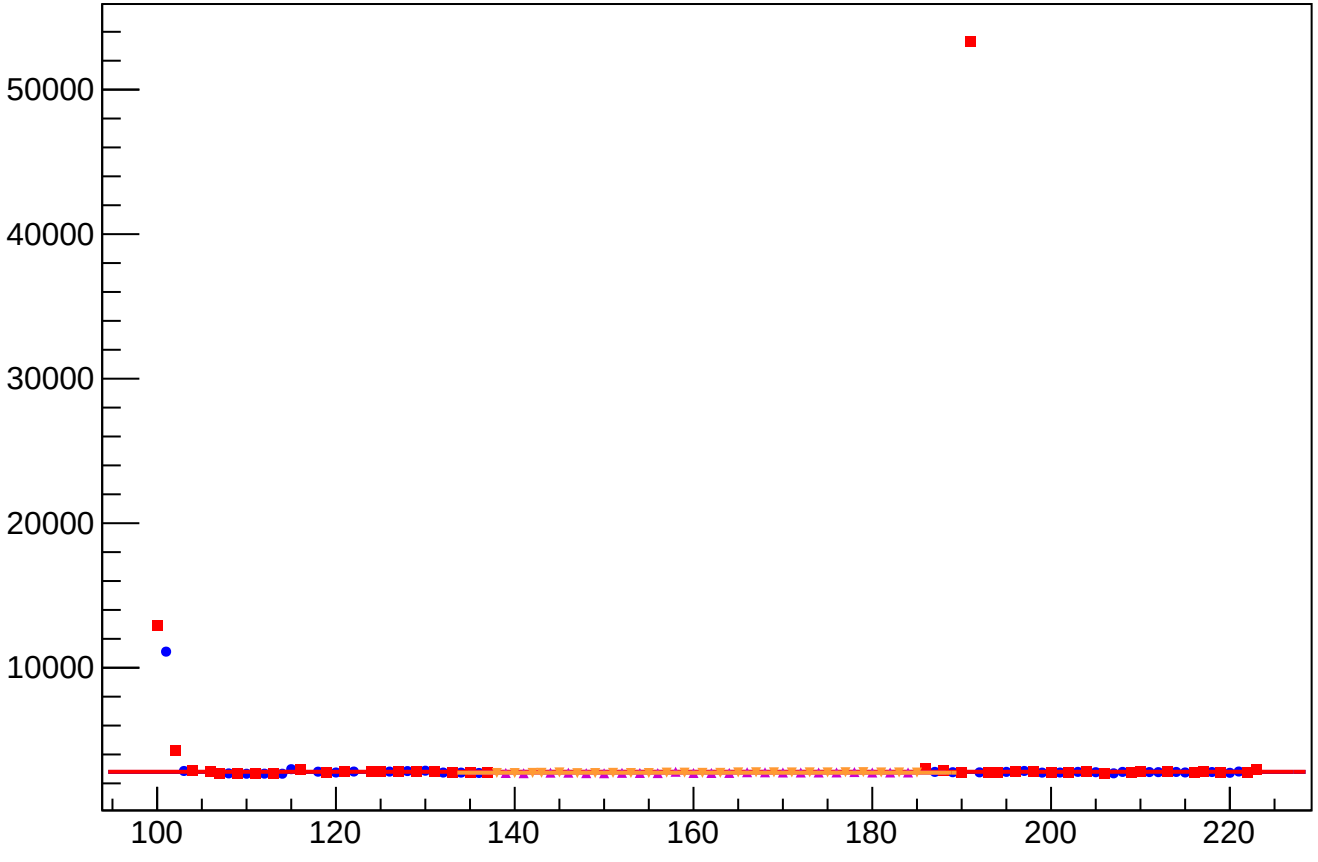
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2157.967+/-431.406 χ^2/NDF: 60.4/58

All: -18.311+/-306.233 χ^2/NDF: 174.0/120

- sign -2228.672+/-434.771 χ^2/NDF: 62.4/61

eigen_dit_asym_atr1_rms vs Slug



Right In: 2789.913+/-0.423 χ^2/NDF: 751570.3/33

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2802.083+/-0.419 χ^2/NDF: 540722.7/38

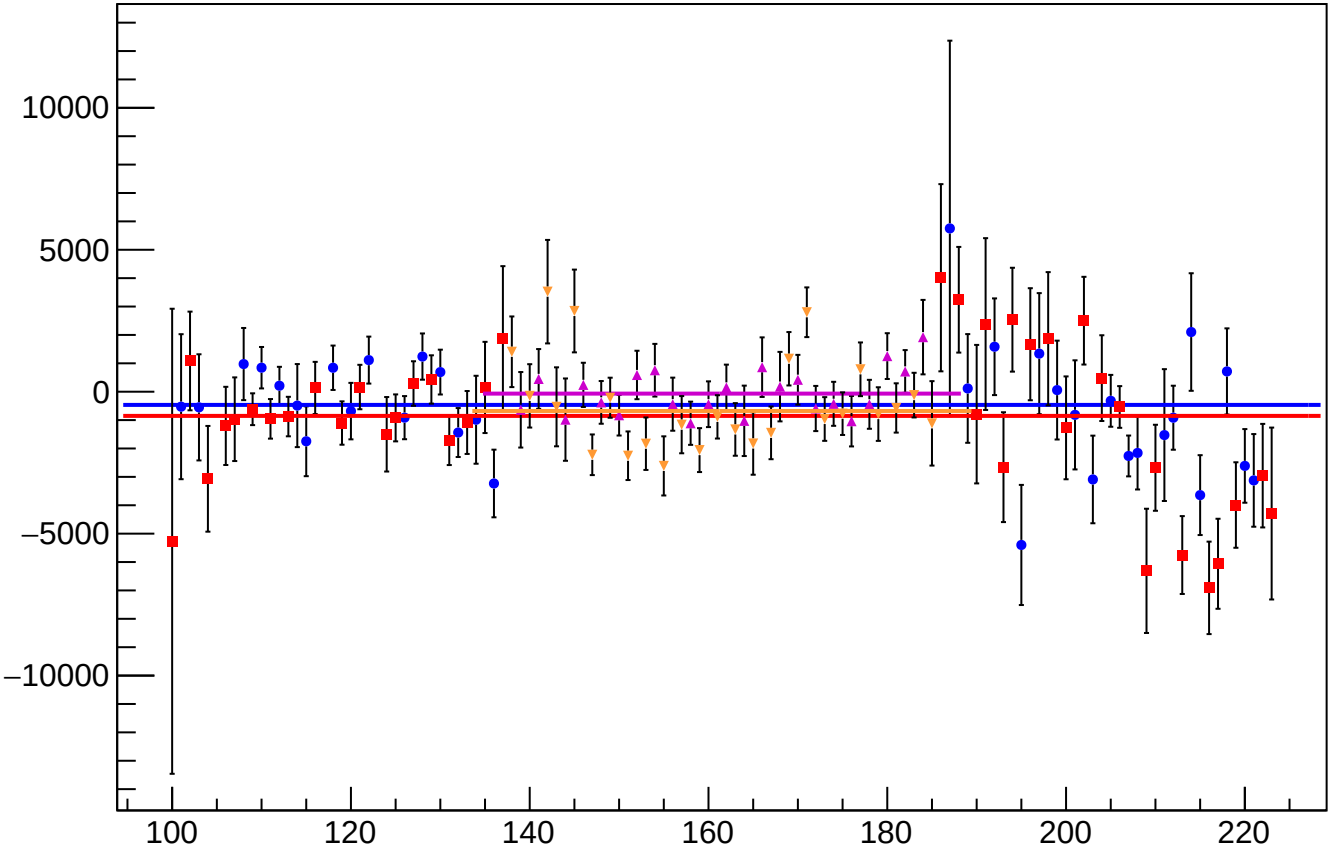
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2765.586+/-0.305 χ^2/NDF: 760763.3/58

All: 2769.801+/-0.217 χ^2/NDF: 1314925.8/12

- sign 2774.082+/-0.307 χ^2/NDF: 553777.6/61

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -464.891+/-193.566 χ^2/NDF: 59.4/33

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -852.038+/-186.675 χ^2/NDF: 86.6/38

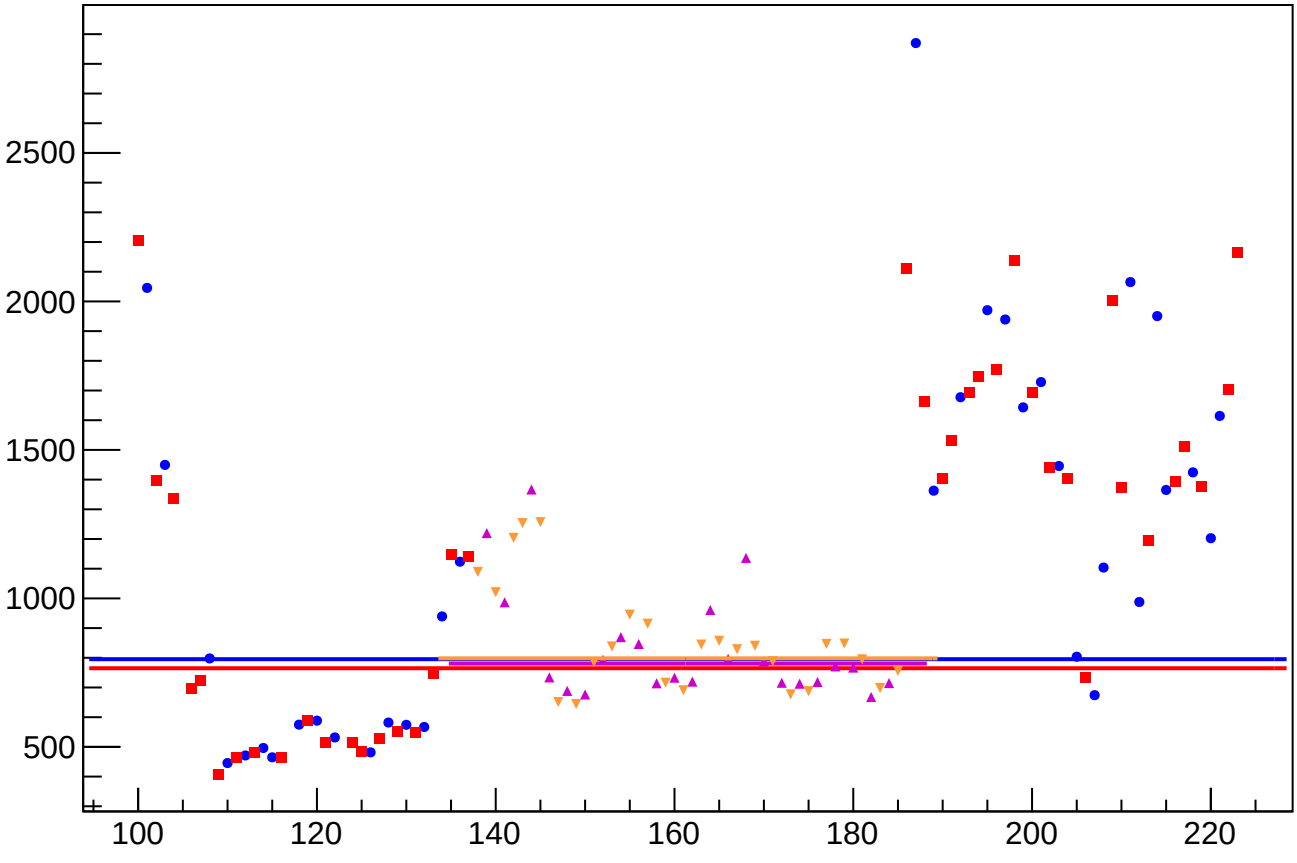
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -576.381+/-133.742 χ^2/NDF: 116.2/58

All: -515.700+/-93.789 χ^2/NDF: 228.0/120

- sign -456.984+/-131.559 χ^2/NDF: 111.4/61

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 795.332+/-0.137 χ^2/NDF: 9505259.4/33

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 764.837+/-0.132 χ^2/NDF: 11221721.8/38

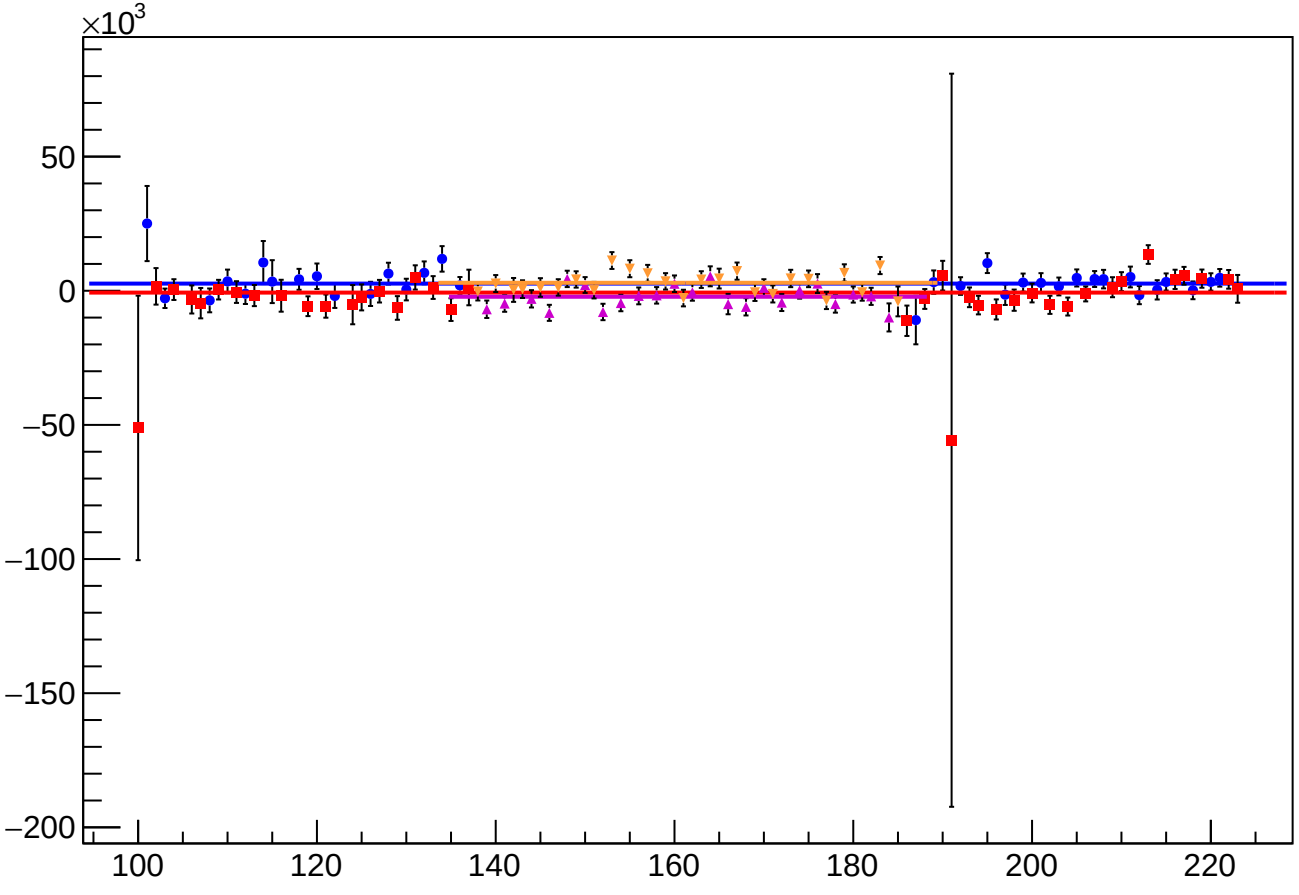
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 796.774+/-0.095 χ^2/NDF: 10673825.7/58

All: 784.556+/-0.066 χ^2/NDF: 23000332.1/12

- sign 772.733+/-0.093 χ^2/NDF: 12293662.5/61

asym_atr1_mean vs Slug



Right In: 2669.145+/-662.605 χ^2/NDF: 29.3/33

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -684.481+/-660.331 χ^2/NDF: 54.9/38

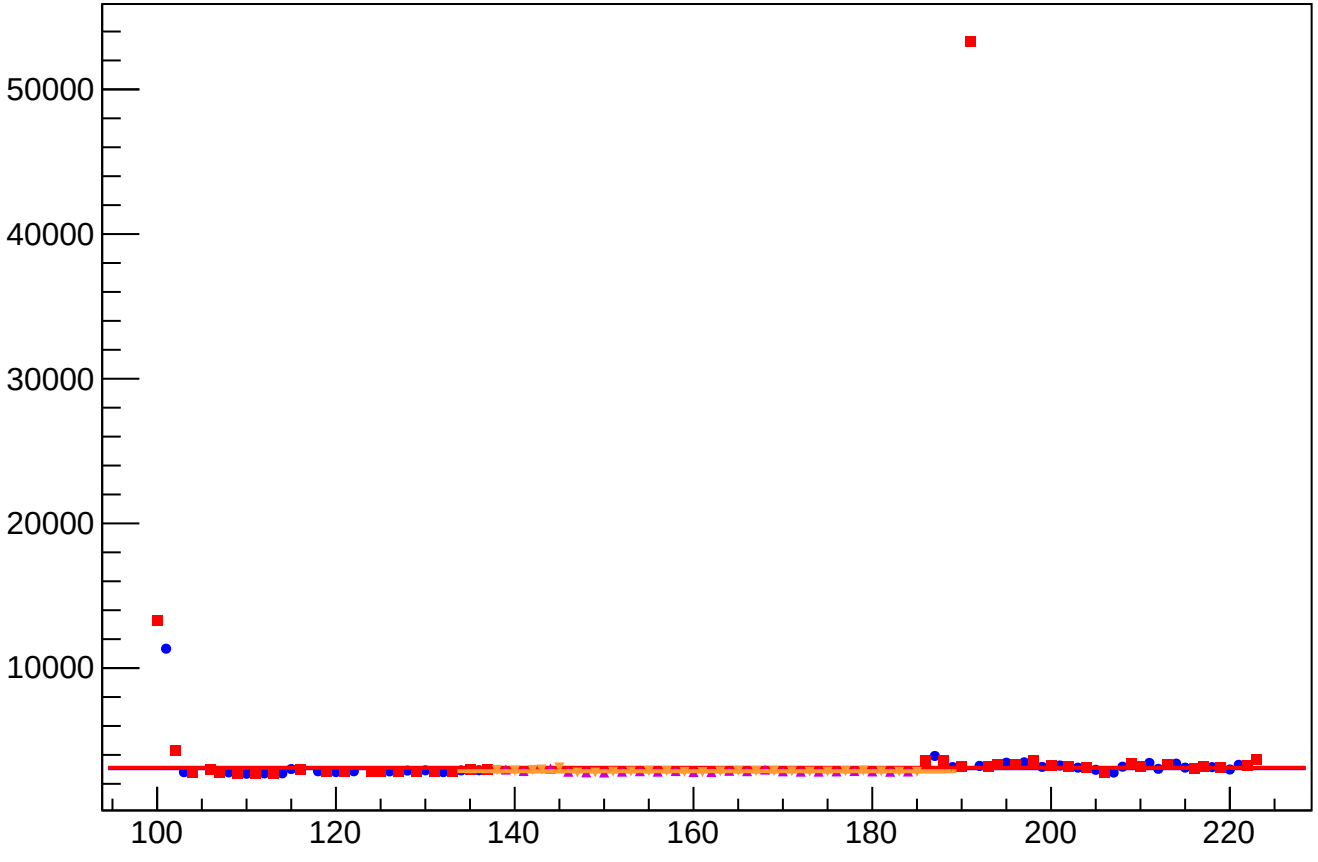
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2821.367+/-465.203 χ^2/NDF: 65.2/58

All: 709.831+/-330.777 χ^2/NDF: 198.2/120

- sign -1449.322+/-470.419 χ^2/NDF: 91.4/61

asym_atr1_rms vs Slug



Right In: 3078.182+/-0.469 χ^2/NDF: 940229.9/33

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

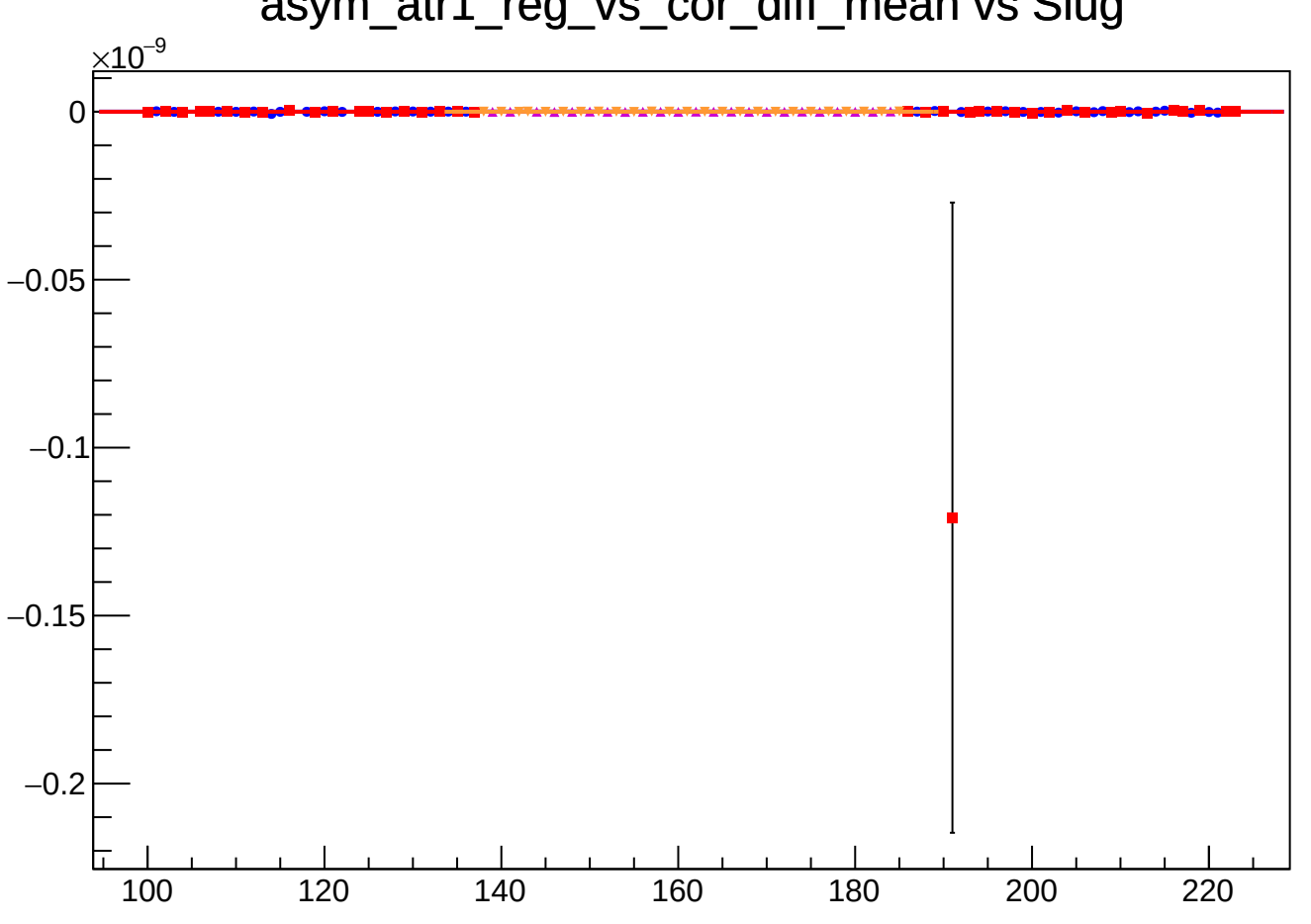
Right Out: 3110.287+/-0.467 χ^2/NDF: 794418.0/38

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2975.118+/-0.329 χ^2/NDF: 1057442.1/58

All: 2983.477+/-0.234 χ^2/NDF: 2001114.1/12

- sign 2992.024+/-0.333 χ^2/NDF: 942366.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.2/38

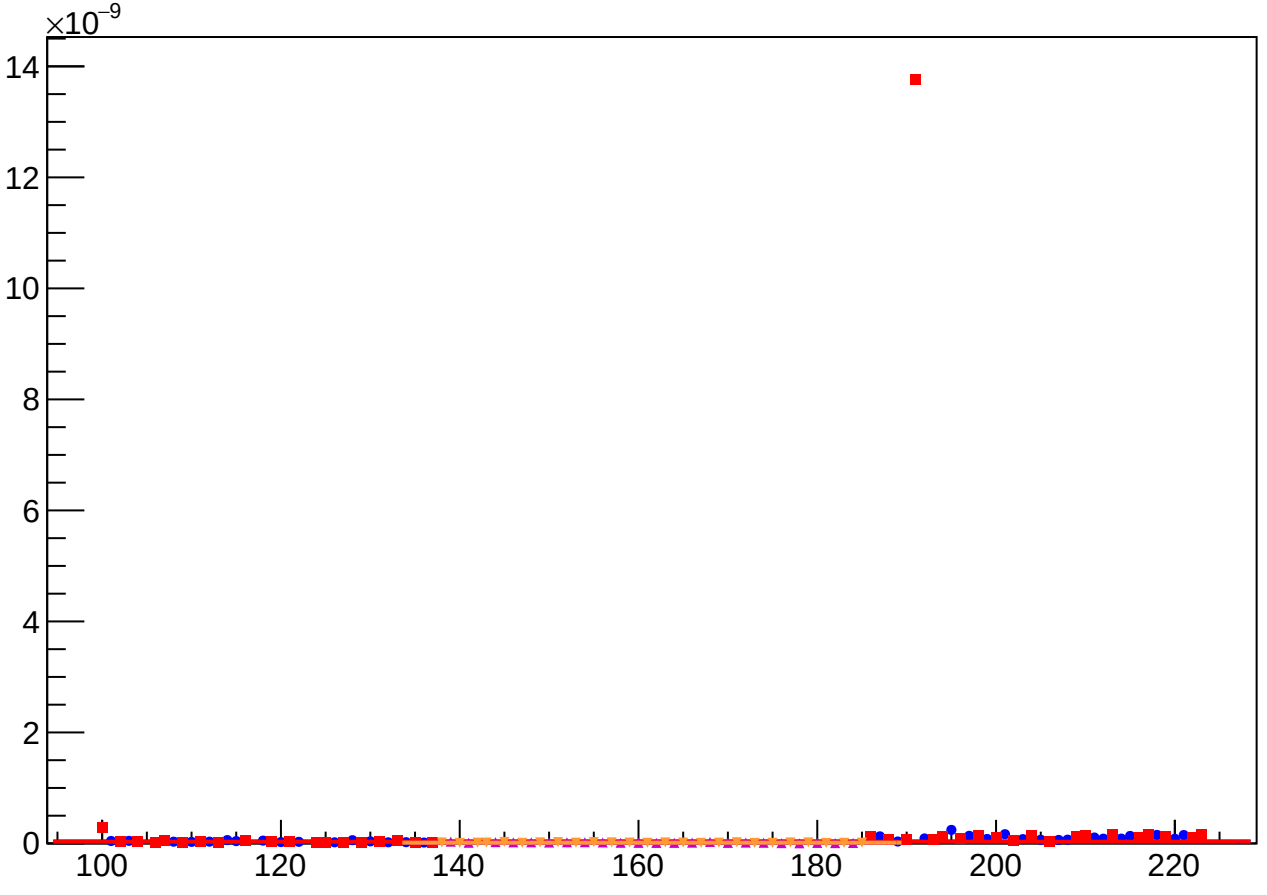
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/58

All: 0.000+/-0.000 χ^2/NDF: 122.4/120

- sign 0.000+/-0.000 χ^2/NDF: 77.1/61

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6396412.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6830352.9/38

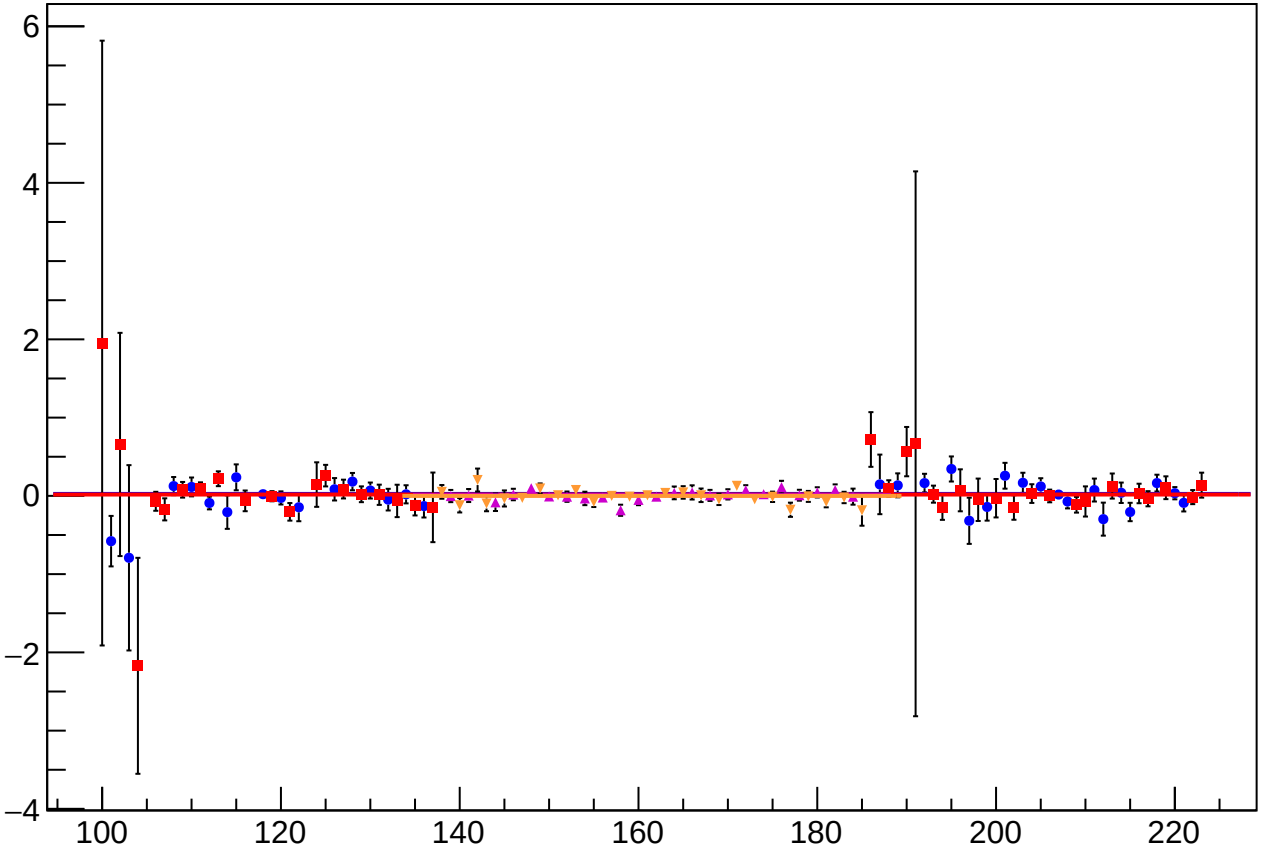
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11247675.4/58

All: 0.000+/-0.000 χ^2/NDF: 25178770.9/120

- sign 0.000+/-0.000 χ^2/NDF: 13599057.2/61

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 34.6/38

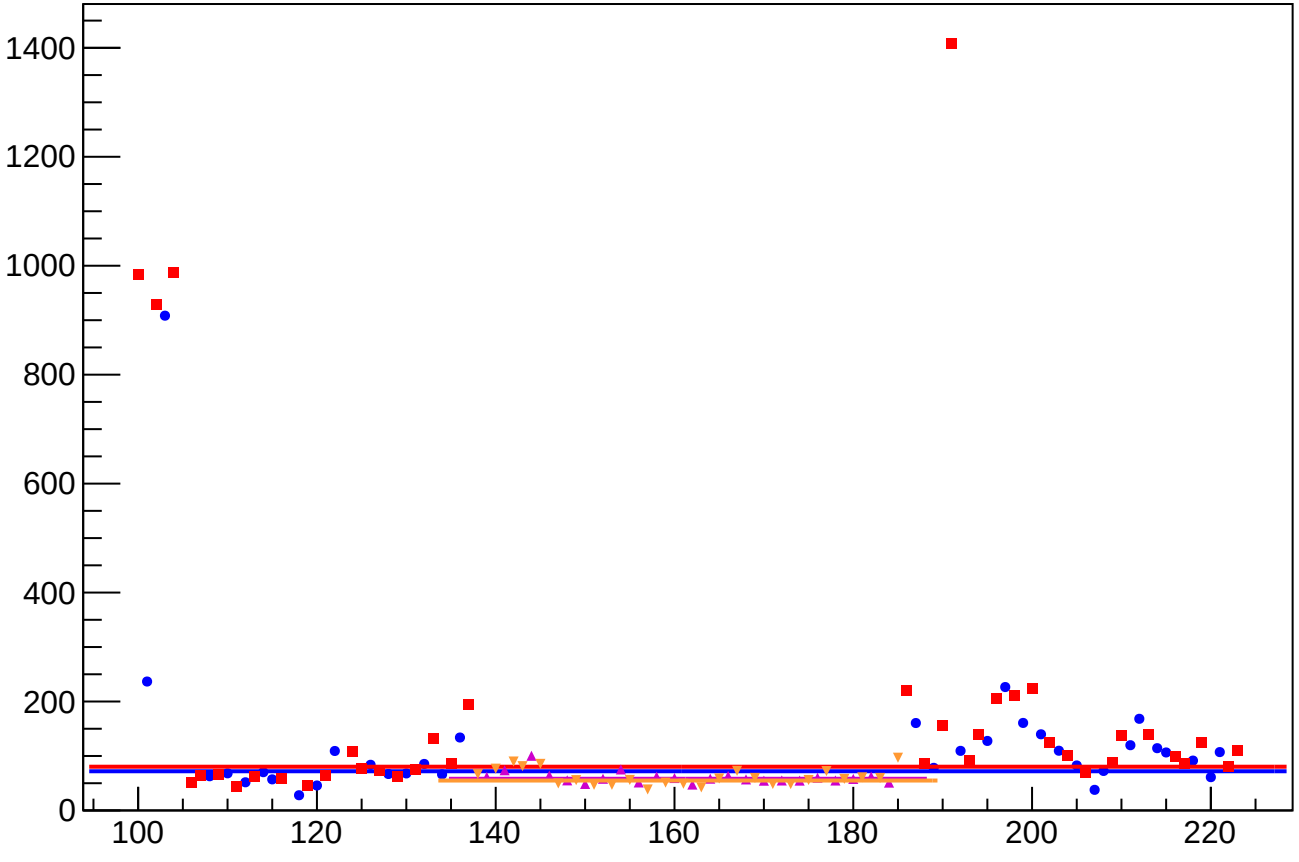
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.011 χ^2/NDF: 61.4/58

All: 0.010+/-0.008 χ^2/NDF: 111.7/120

- sign 0.011+/-0.012 χ^2/NDF: 50.2/61

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 71.959+/-0.014 χ^2/NDF: 7951014.0/33

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 80.300+/-0.015 χ^2/NDF: 7104701.9/38

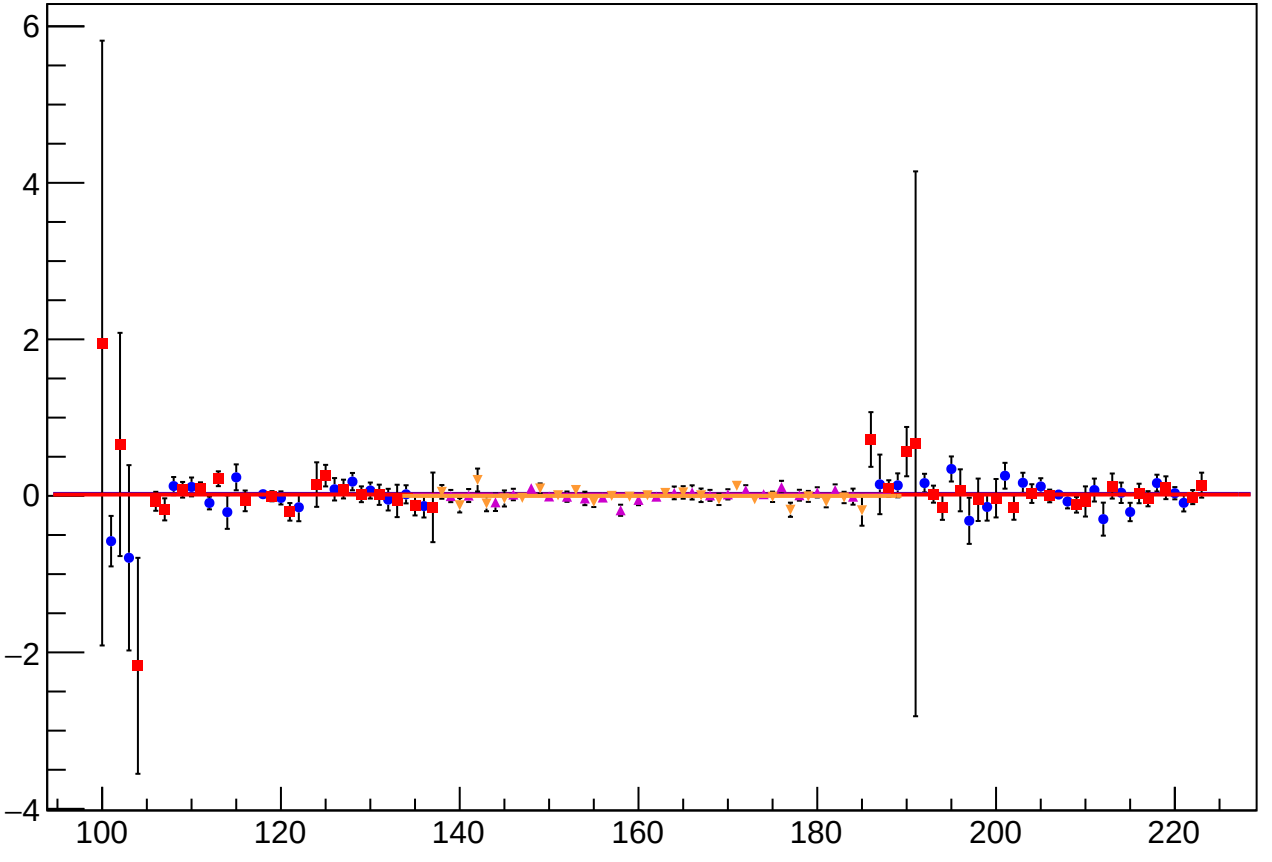
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 60.821+/-0.008 χ^2/NDF: 10258421.6/58

All: 63.130+/-0.006 χ^2/NDF: 19717912.1/120

- sign 65.705+/-0.009 χ^2/NDF: 9285941.7/61

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 34.6/38

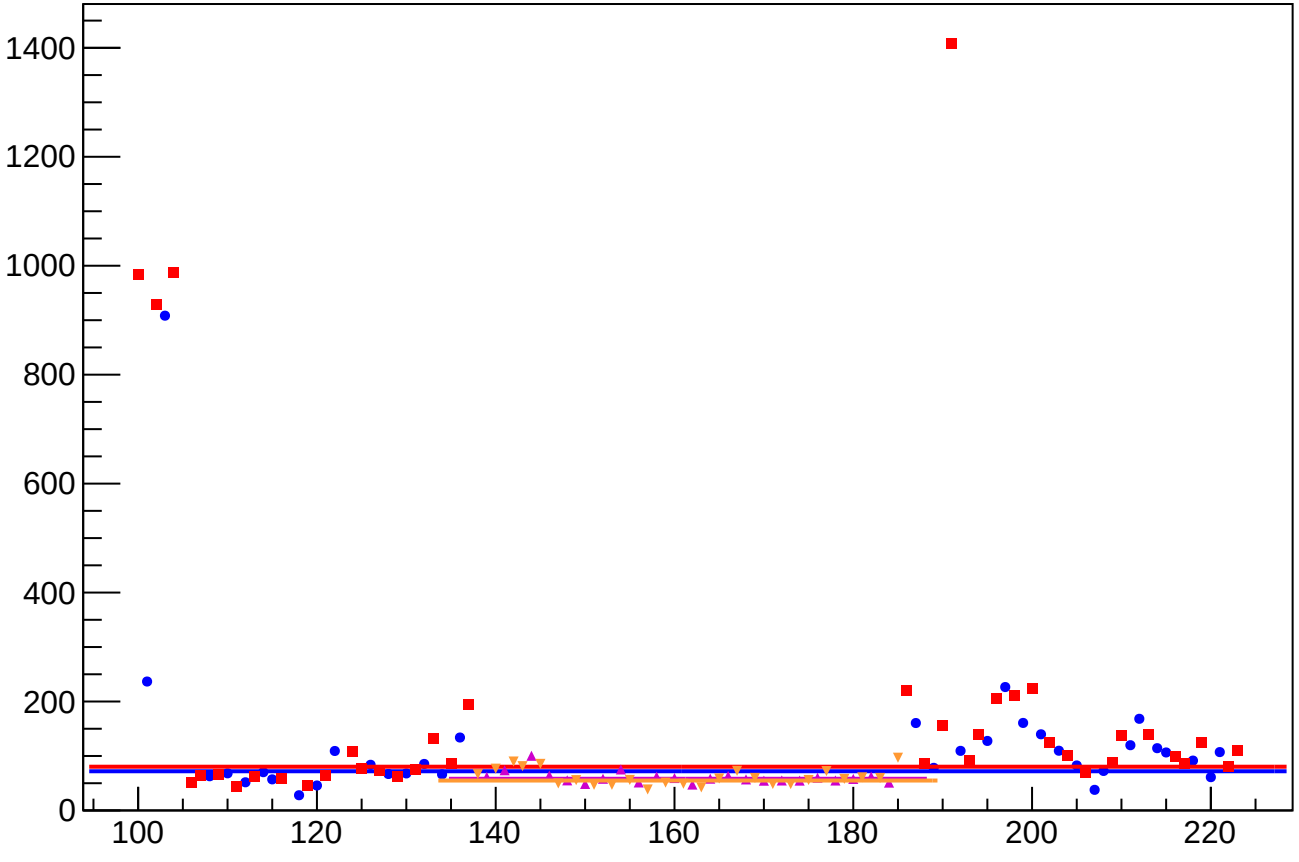
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.011 χ^2/NDF: 61.4/58

All: 0.010+/-0.008 χ^2/NDF: 111.7/120

- sign 0.011+/-0.012 χ^2/NDF: 50.2/61

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.959+/-0.014 χ^2/NDF: 7951014.0/33

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 80.300+/-0.015 χ^2/NDF: 7104701.9/38

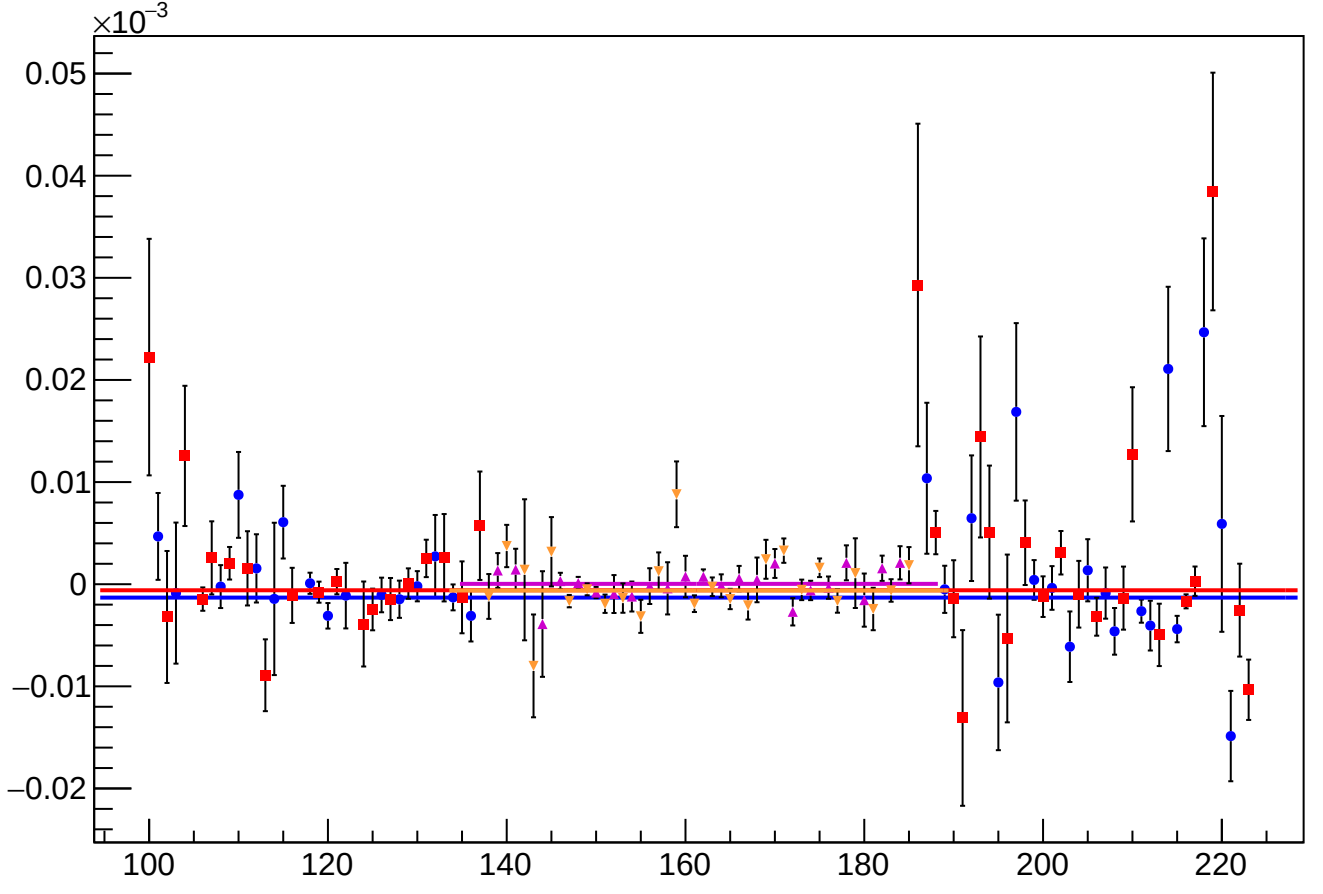
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 60.821+/-0.008 χ^2/NDF: 10258421.6/58

All: 63.130+/-0.006 χ^2/NDF: 19717912.1/120

- sign 65.705+/-0.009 χ^2/NDF: 9285941.7/61

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 68.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 79.1/38

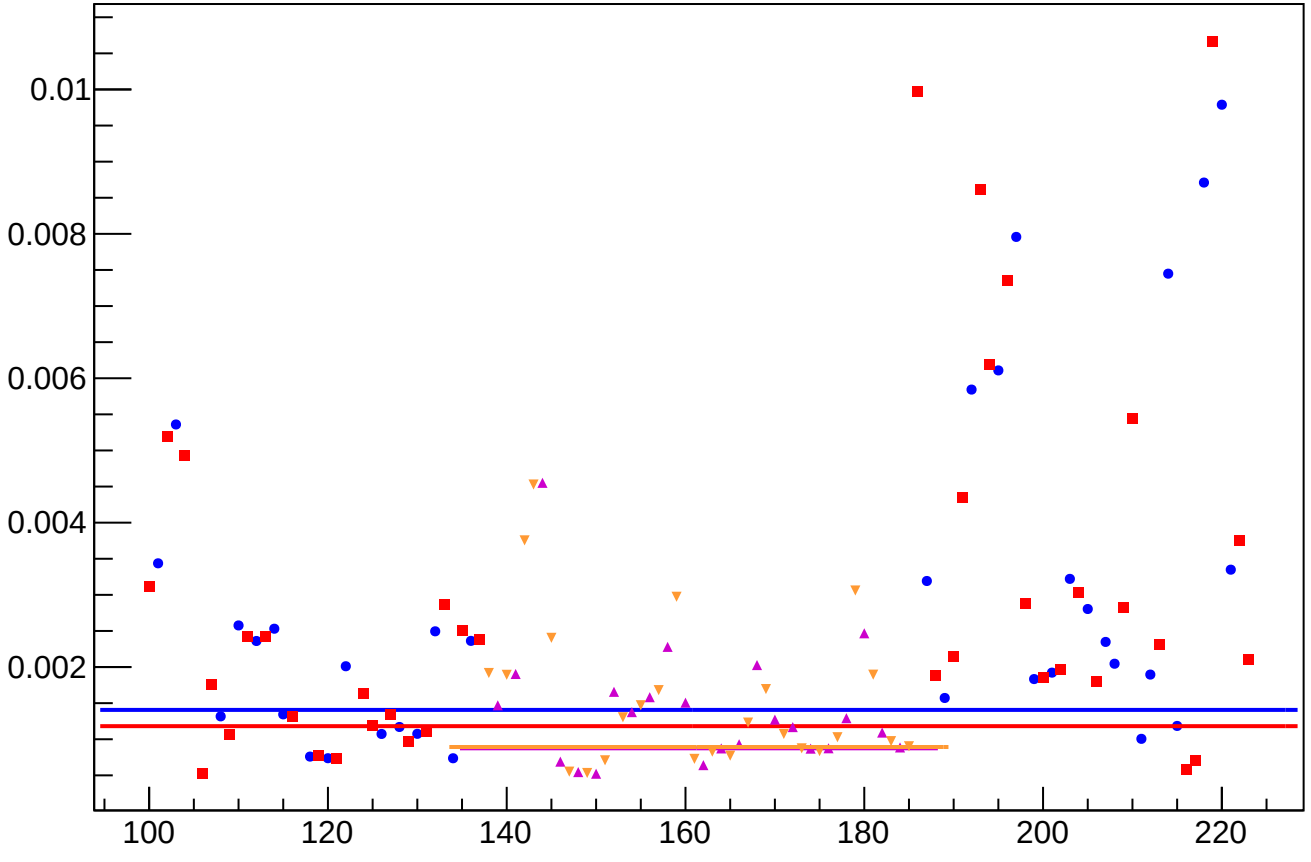
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 124.1/58

All: -0.000+/-0.000 χ^2/NDF: 229.0/120

- sign -0.000+/-0.000 χ^2/NDF: 99.6/61

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 13468196.5/33

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15957926.7/38

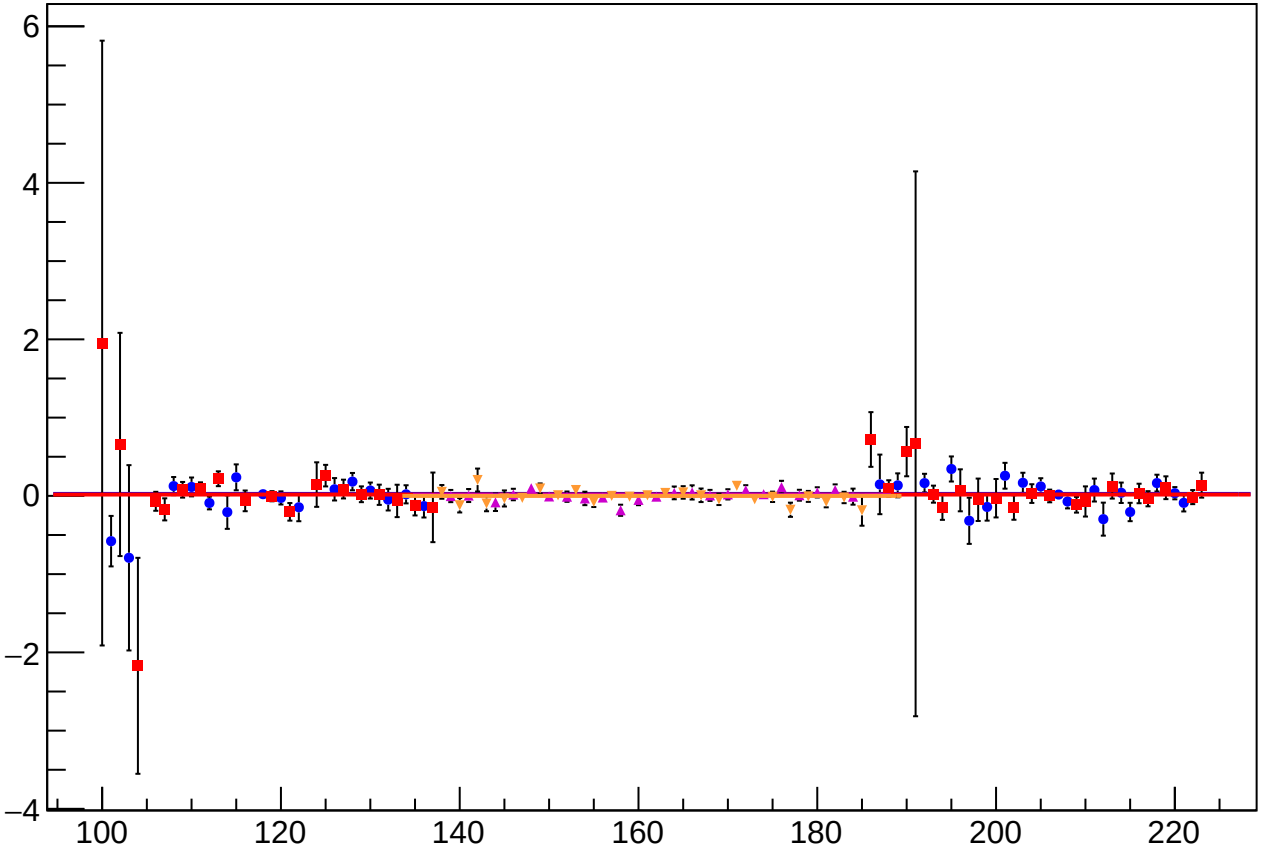
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 23908618.7/58

All: 0.001+/-0.000 χ^2/NDF: 48042337.5/120

- sign 0.001+/-0.000 χ^2/NDF: 24042272.9/61

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 34.6/38

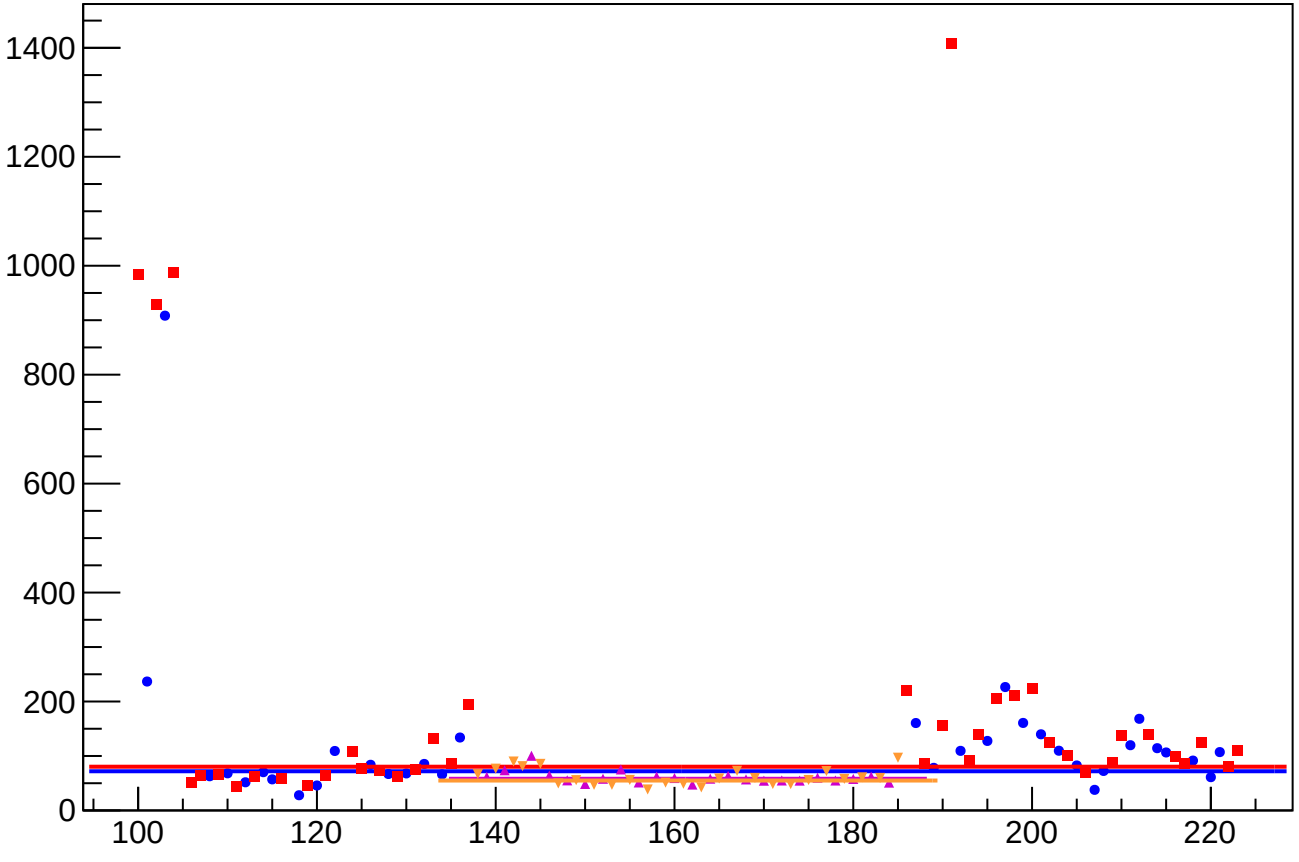
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.011 χ^2/NDF: 61.4/58

All: 0.010+/-0.008 χ^2/NDF: 111.7/120

- sign 0.011+/-0.012 χ^2/NDF: 50.2/61

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.958+/-0.014 χ^2/NDF: 7951343.0/33

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 80.299+/-0.015 χ^2/NDF: 7104695.9/38

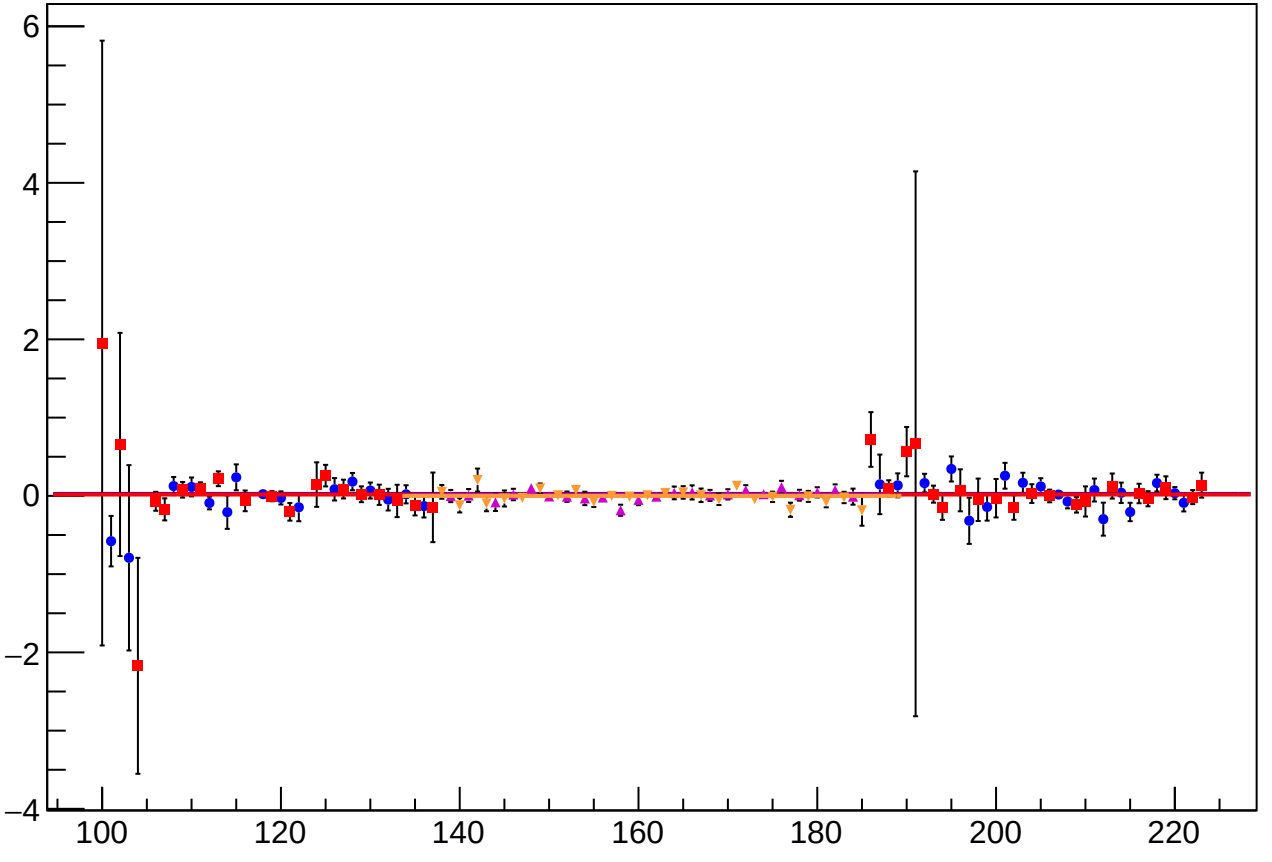
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 60.820+/-0.008 χ^2/NDF: 10258744.1/58

All: 63.129+/-0.006 χ^2/NDF: 19718263.9/120

- sign 65.705+/-0.009 χ^2/NDF: 9285924.6/61

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 34.6/38

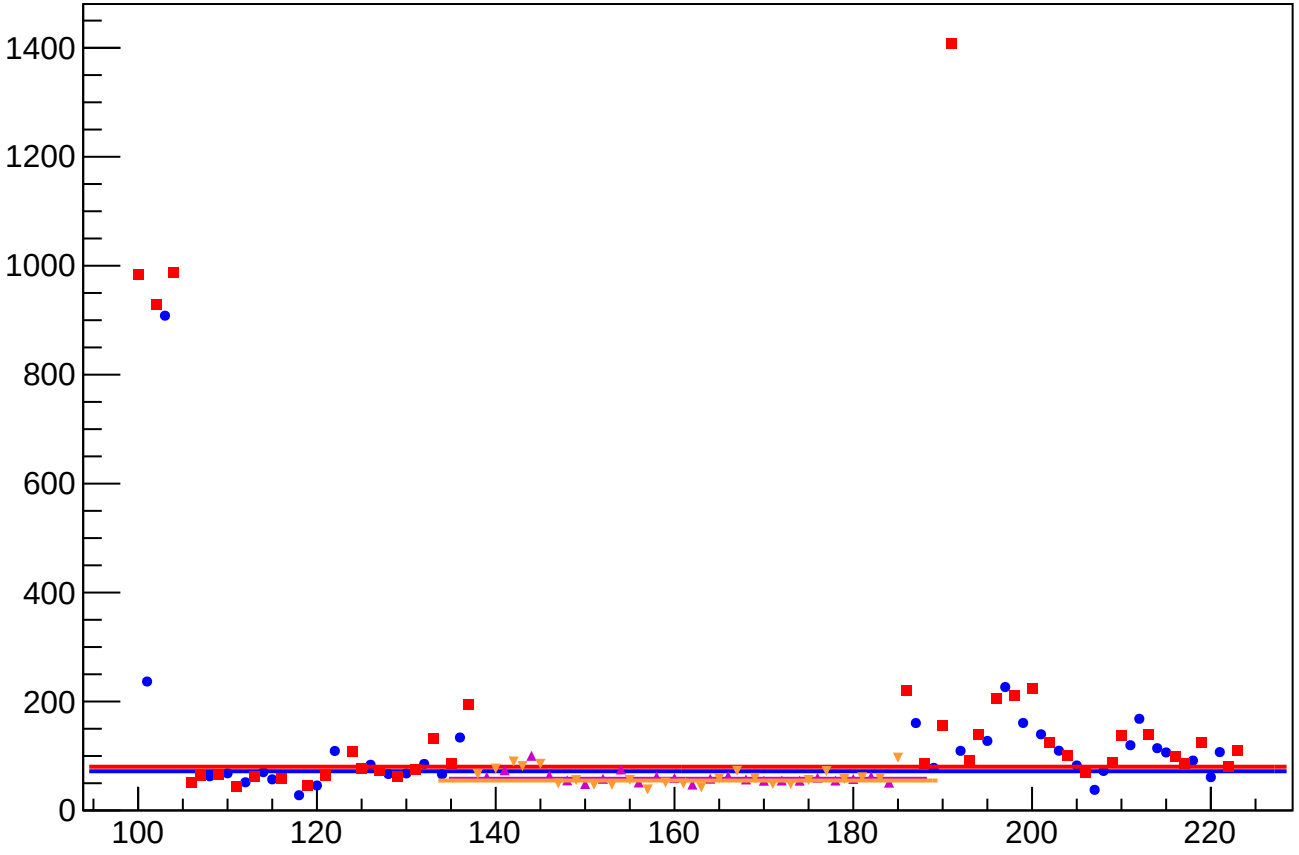
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.011 χ^2/NDF: 61.4/58

All: 0.010+/-0.008 χ^2/NDF: 111.7/120

- sign 0.011+/-0.012 χ^2/NDF: 50.2/61

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.958+/-0.014 χ^2/NDF: 7951343.0/33

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 80.299+/-0.015 χ^2/NDF: 7104695.9/38

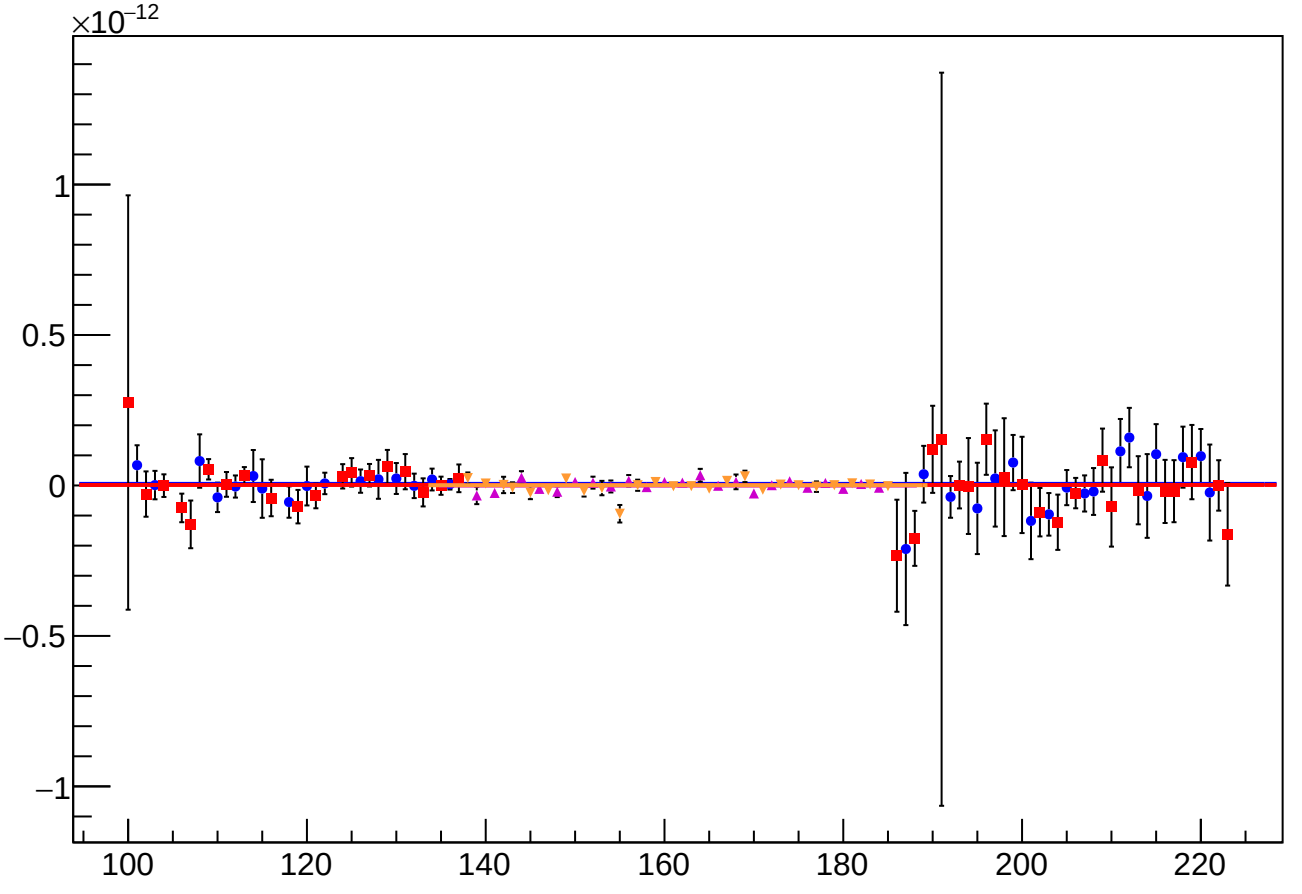
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 60.820+/-0.008 χ^2/NDF: 10258744.1/58

All: 63.129+/-0.006 χ^2/NDF: 19718263.9/120

- sign 65.705+/-0.009 χ^2/NDF: 9285924.6/61

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/38

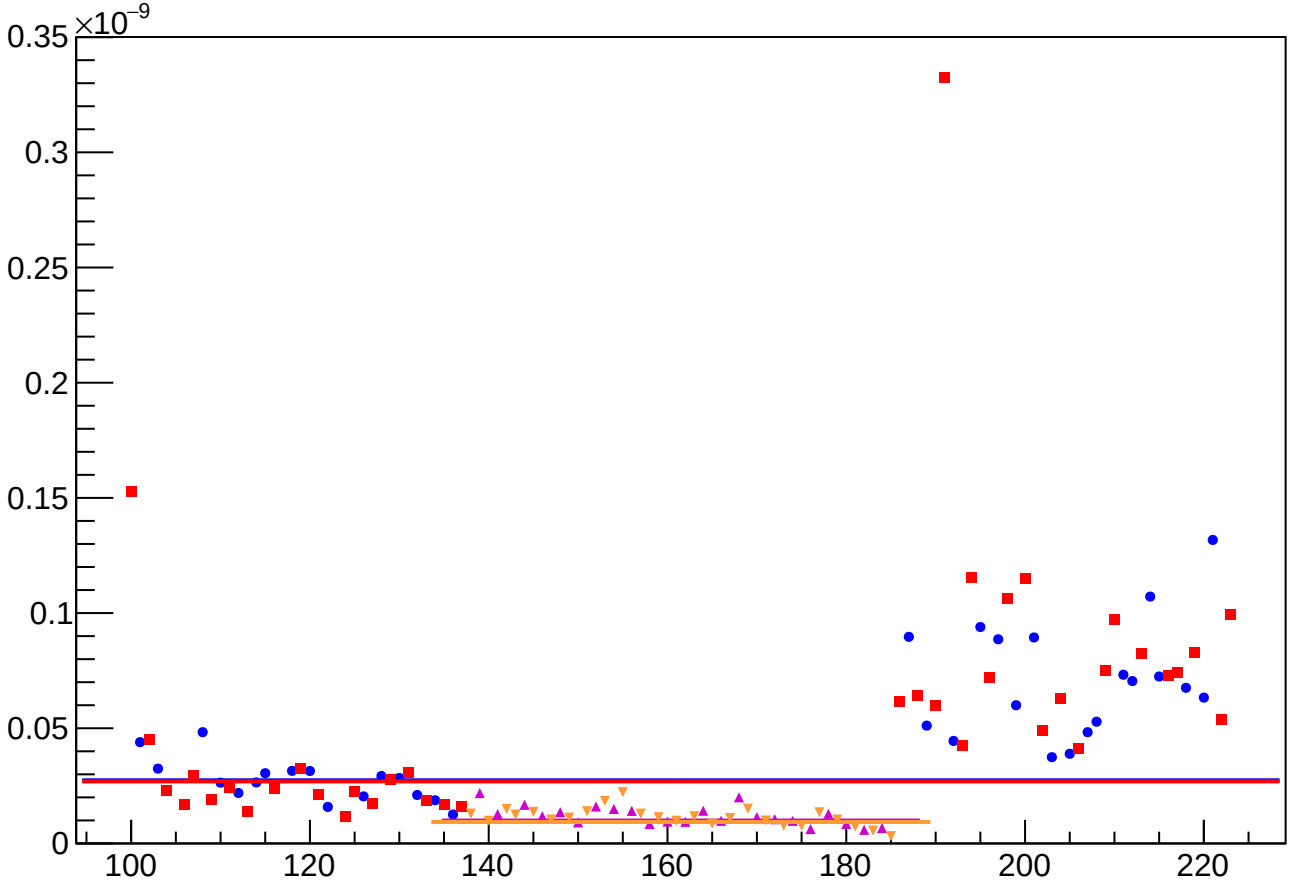
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/58

All: 0.000+/-0.000 χ^2/NDF: 92.0/120

- sign -0.000+/-0.000 χ^2/NDF: 50.1/61

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7848875.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8162974.8/38

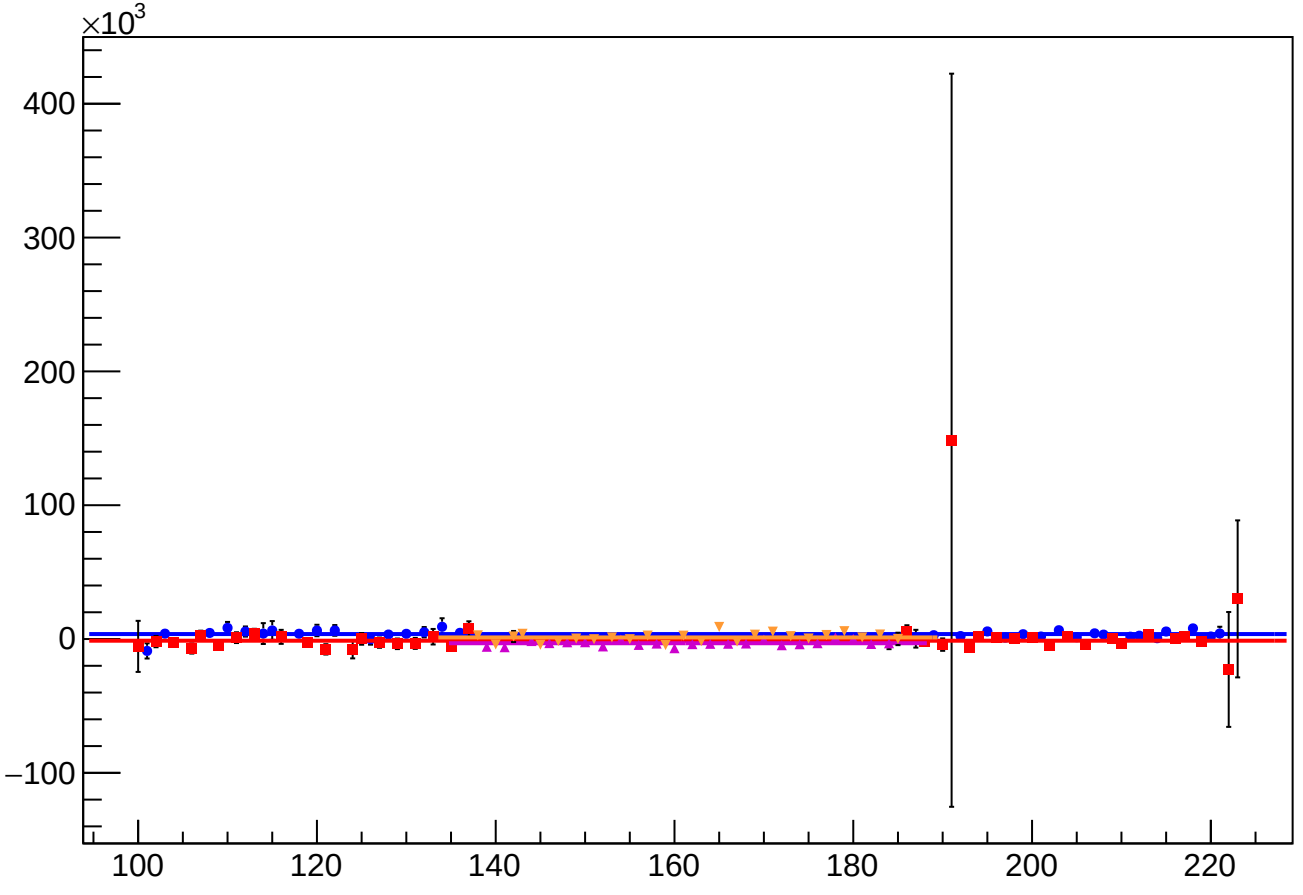
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 17920068.1/58

All: 0.000+/-0.000 χ^2/NDF: 34824555.6/120

- sign 0.000+/-0.000 χ^2/NDF: 16837902.3/61

reg_asym_atr2_mean vs Slug



Right In: 3713.000+/-582.822 χ^2/NDF: 17.3/33

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1253.121+/-582.992 χ^2/NDF: 33.7/38

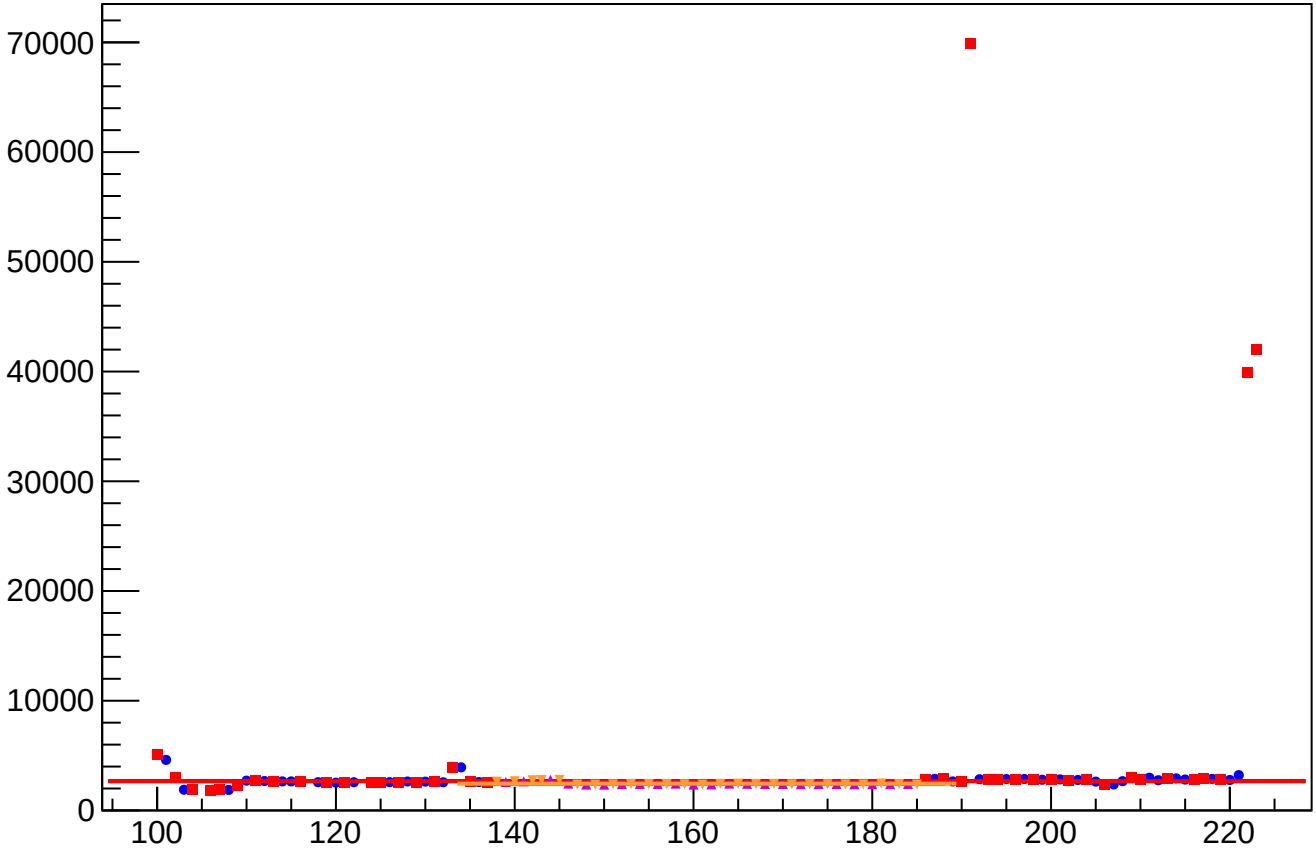
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2392.048+/-402.391 χ^2/NDF: 58.2/58

All: 112.445+/-286.247 χ^2/NDF: 174.9/120

- sign -2222.906+/-407.282 χ^2/NDF: 51.7/61

reg_asym_atr2_rms vs Slug



Right In: 2674.721+/-0.412 χ^2/NDF: 807881.4/33

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2665.476+/-0.412 χ^2/NDF: 3251239.6/38

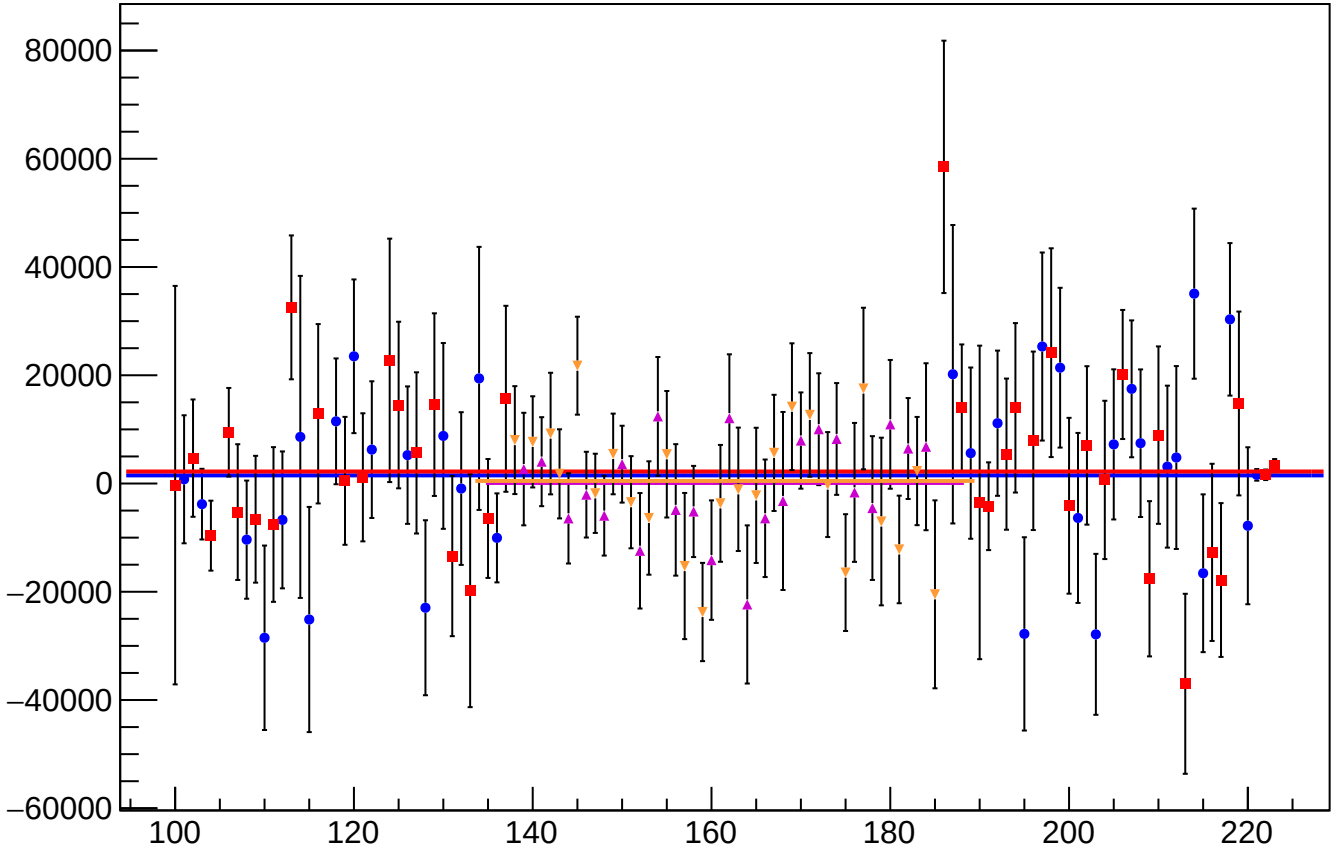
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2554.935+/-0.285 χ^2/NDF: 1059332.8/58

All: 2551.495+/-0.202 χ^2/NDF: 4528765.7/12

- sign 2547.971+/-0.288 χ^2/NDF: 3469137.0/61

asym_atr2_reg_correction_mean vs Slug



Right In: 1503.376+/-976.454 χ^2/NDF: 39.8/33

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2219.950+/-715.787 χ^2/NDF: 41.0/38

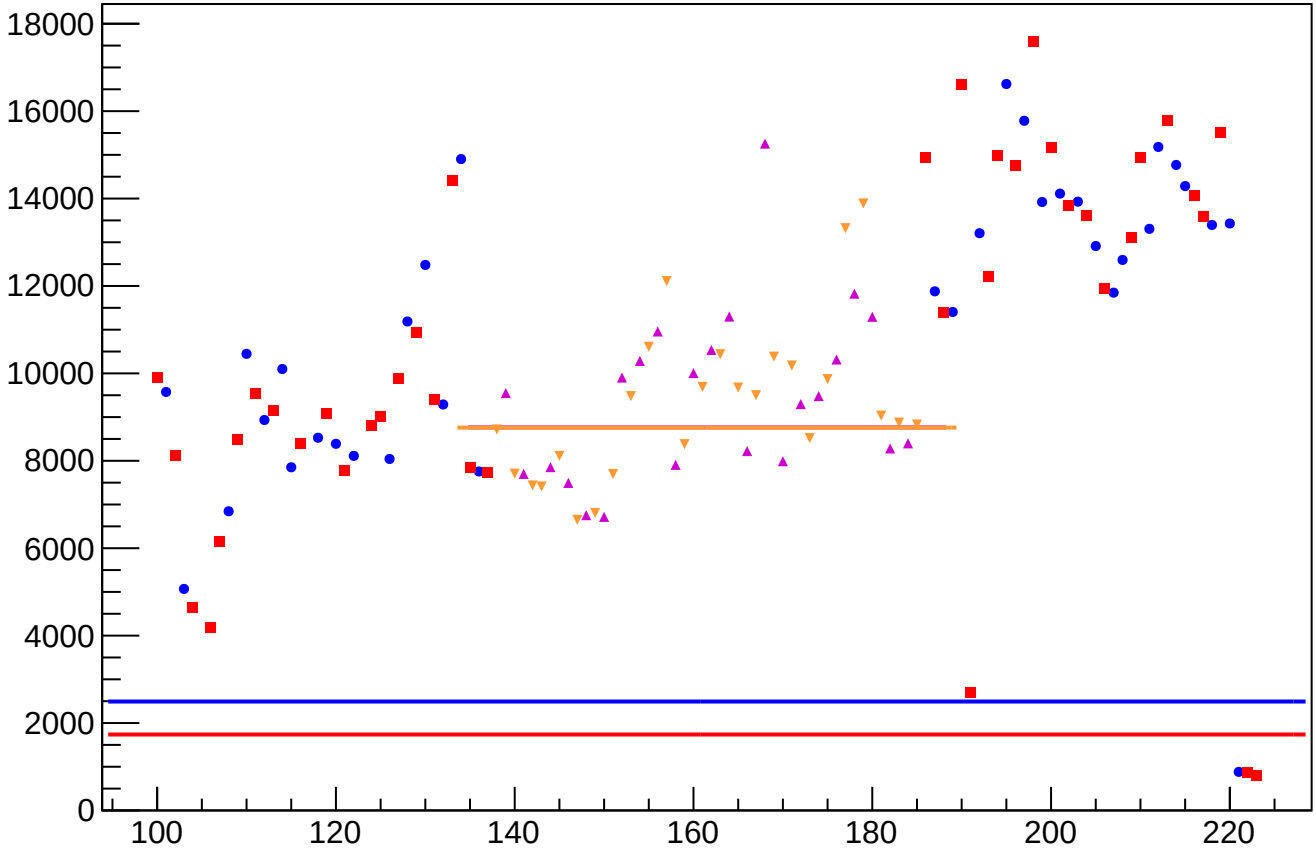
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 1311.475+/-880.433 χ^2/NDF: 67.4/58

All: 1742.866+/-536.784 χ^2/NDF: 124.1/120

- sign 1998.088+/-677.204 χ^2/NDF: 56.4/61

asym_atr2_reg_correction_rms vs Slug



Right In: 2492.371+/-0.690 χ^2/NDF: 30196581.7/33

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 1737.774+/-0.506 χ^2/NDF: 32914826.2/38

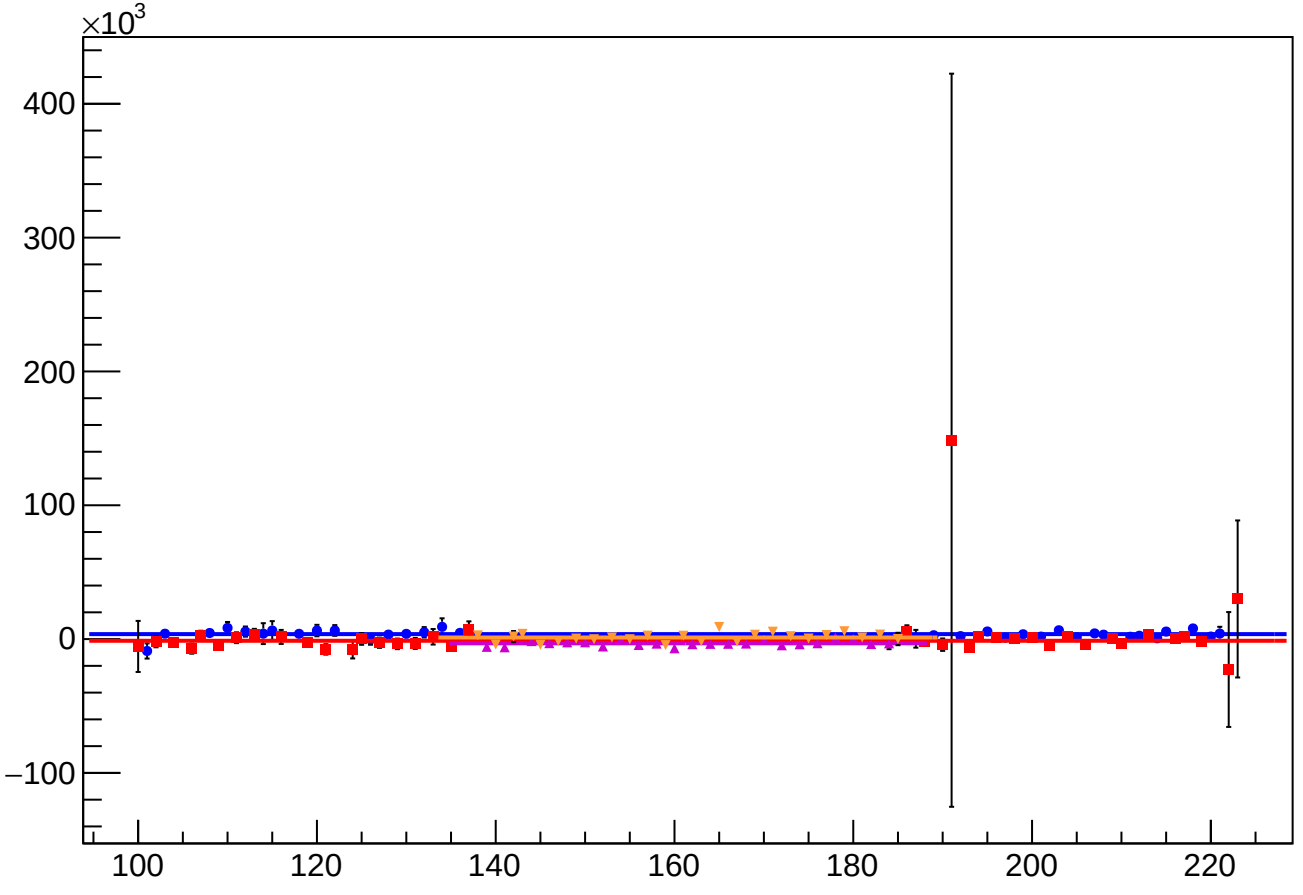
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 3664.372+/-0.623 χ^2/NDF: 46826324.5/58

All: 2917.001+/-0.380 χ^2/NDF: 103542717.1

- sign 2474.836+/-0.479 χ^2/NDF: 54422611.4/61

cor_asym_atr2_mean vs Slug



Right In: 3712.854+/-582.822 χ^2/NDF: 17.3/33

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1253.441+/-582.994 χ^2/NDF: 33.7/38

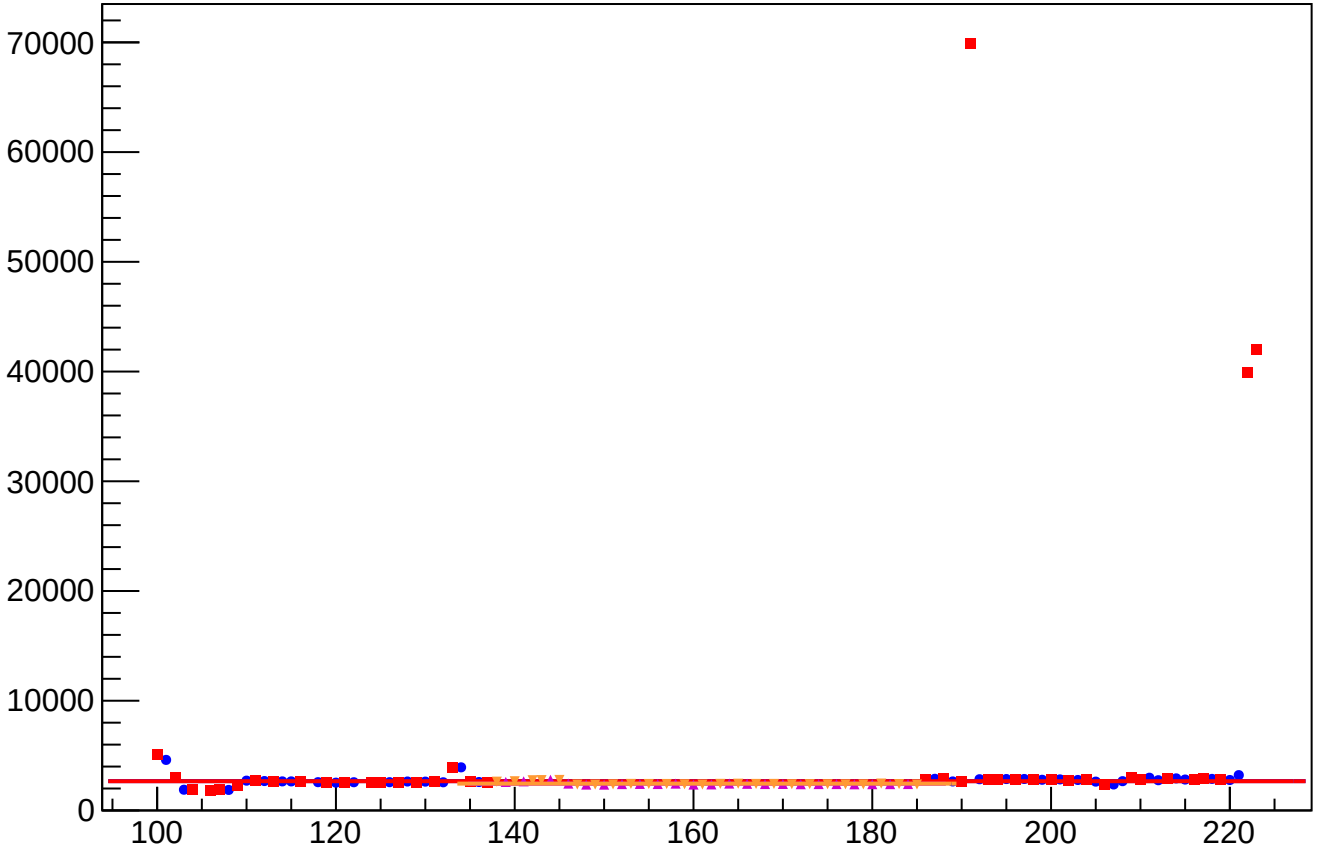
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2391.889+/-402.391 χ^2/NDF: 58.2/58

All: 112.340+/-286.247 χ^2/NDF: 175.0/120

- sign -2222.964+/-407.282 χ^2/NDF: 51.7/61

cor_asym_atr2_rms vs Slug



Right In: 2674.721+/-0.412 χ^2/NDF: 807878.4/33

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2665.487+/-0.412 χ^2/NDF: 3251158.7/38

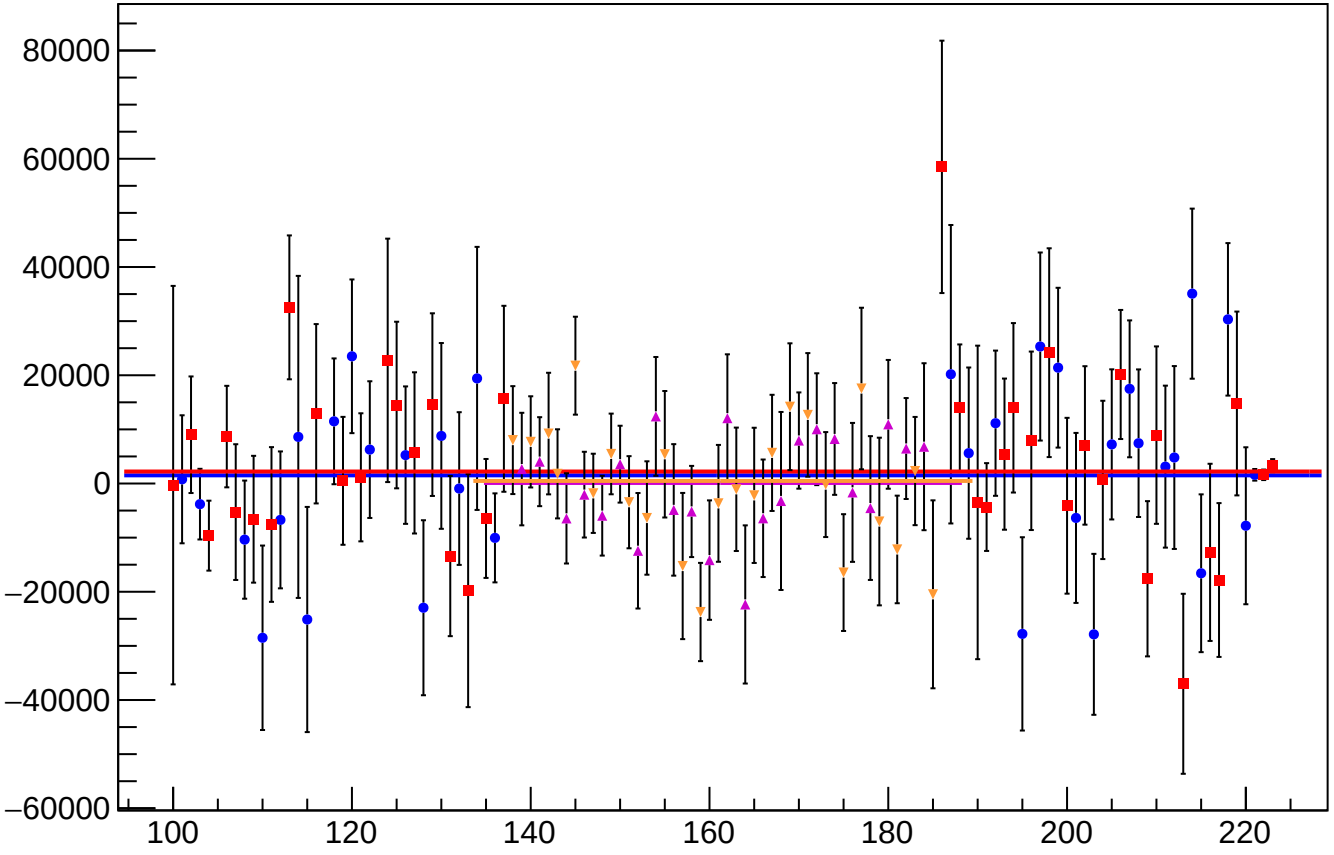
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2554.935+/-0.285 χ^2/NDF: 1059330.3/58

All: 2551.497+/-0.202 χ^2/NDF: 4528696.7/12

- sign 2547.976+/-0.288 χ^2/NDF: 3469070.9/61

asym_atr2_cor_correction_mean vs Slug



Right In: 1510.042+/-977.143 χ^2/NDF: 39.8/33

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2215.690+/-716.271 χ^2/NDF: 41.0/38

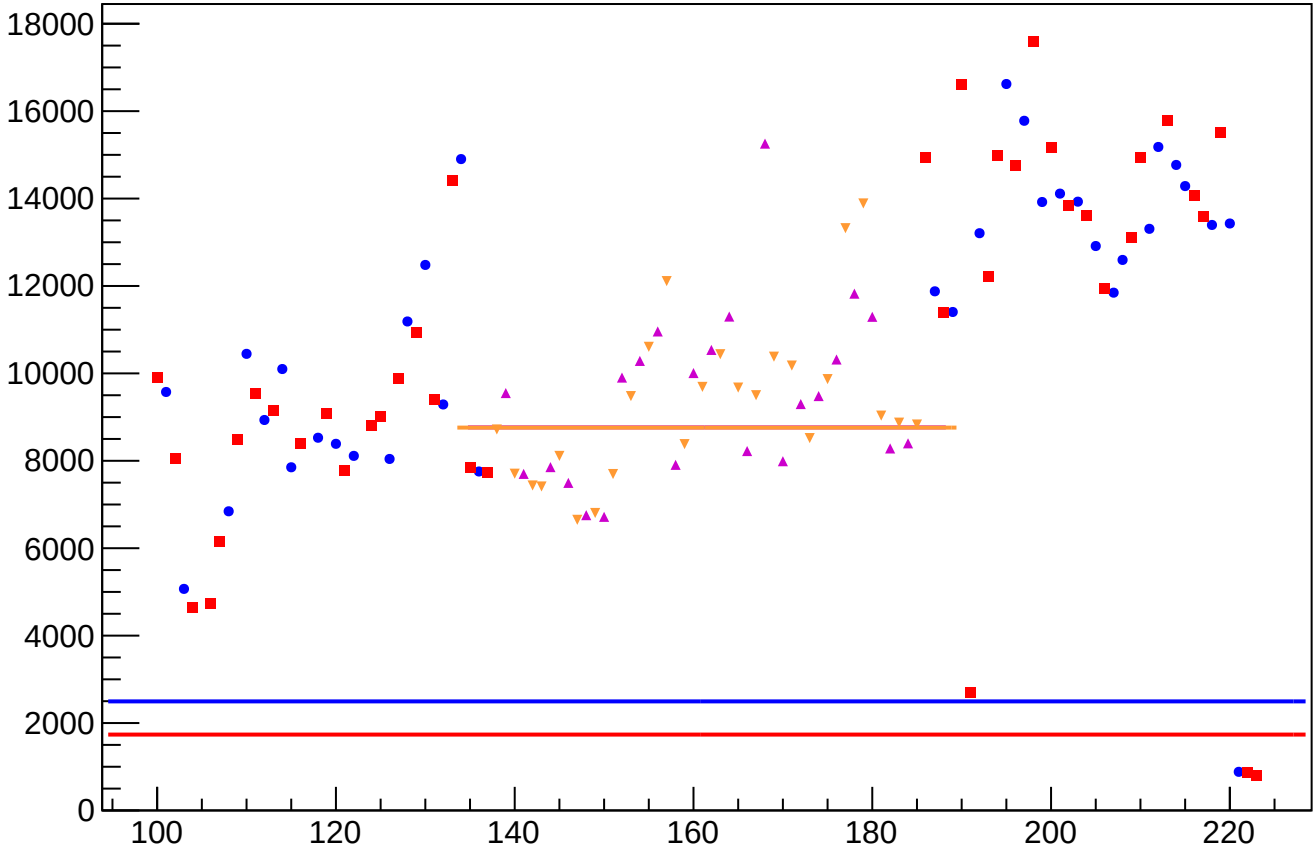
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 1316.675+/-880.938 χ^2/NDF: 67.4/58

All: 1742.229+/-537.102 χ^2/NDF: 124.2/120

- sign 1994.014+/-677.614 χ^2/NDF: 56.5/61

asym_atr2_cor_correction_rms vs Slug



Right In: 2495.475+/-0.691 χ^2/NDF: 30183364.0/33

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 1735.982+/-0.506 χ^2/NDF: 32936229.5/38

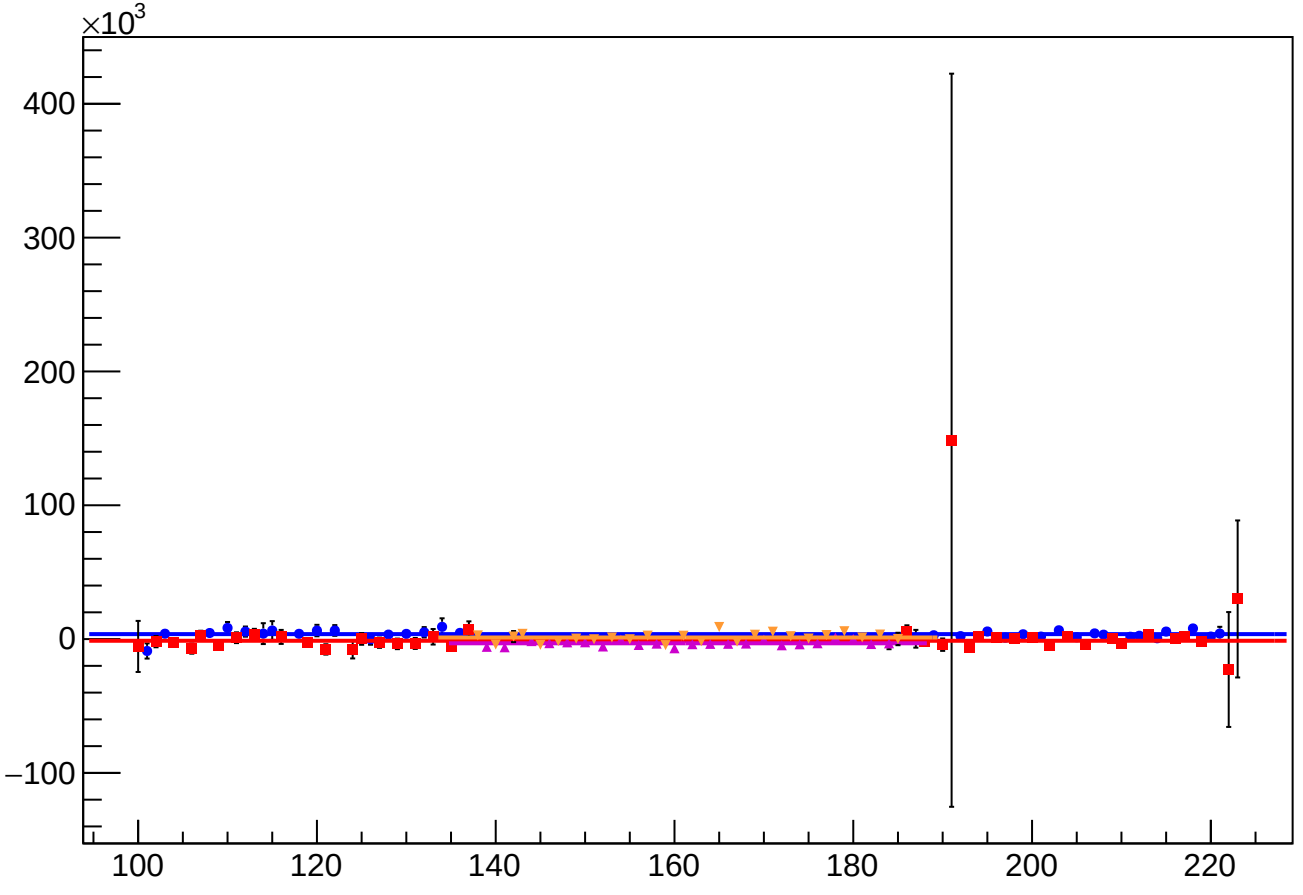
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 3668.241+/-0.623 χ^2/NDF: 46793772.3/58

All: 2918.009+/-0.380 χ^2/NDF: 103553992.8

- sign 2474.125+/-0.479 χ^2/NDF: 54451448.8/61

eigen_cor_asym_atr2_mean vs Slug



Right In: 3712.854+/-582.822 χ^2/NDF: 17.3/33

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1253.441+/-582.994 χ^2/NDF: 33.7/38

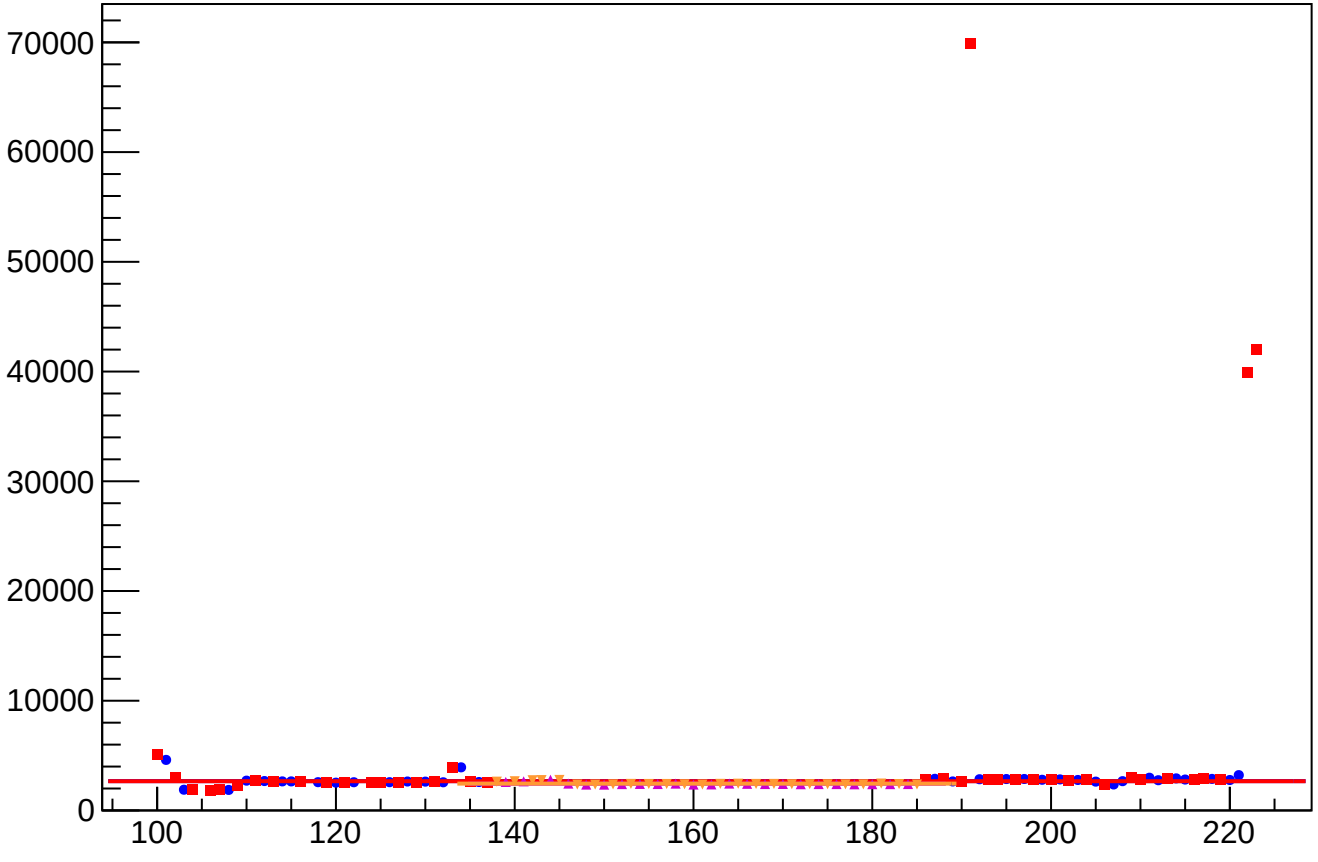
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2391.889+/-402.391 χ^2/NDF: 58.2/58

All: 112.340+/-286.247 χ^2/NDF: 175.0/120

- sign -2222.964+/-407.282 χ^2/NDF: 51.7/61

eigen_cor_asym_atr2_rms vs Slug



Right In: 2674.721+/-0.412 χ^2/NDF: 807878.4/33

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2665.487+/-0.412 χ^2/NDF: 3251158.7/38

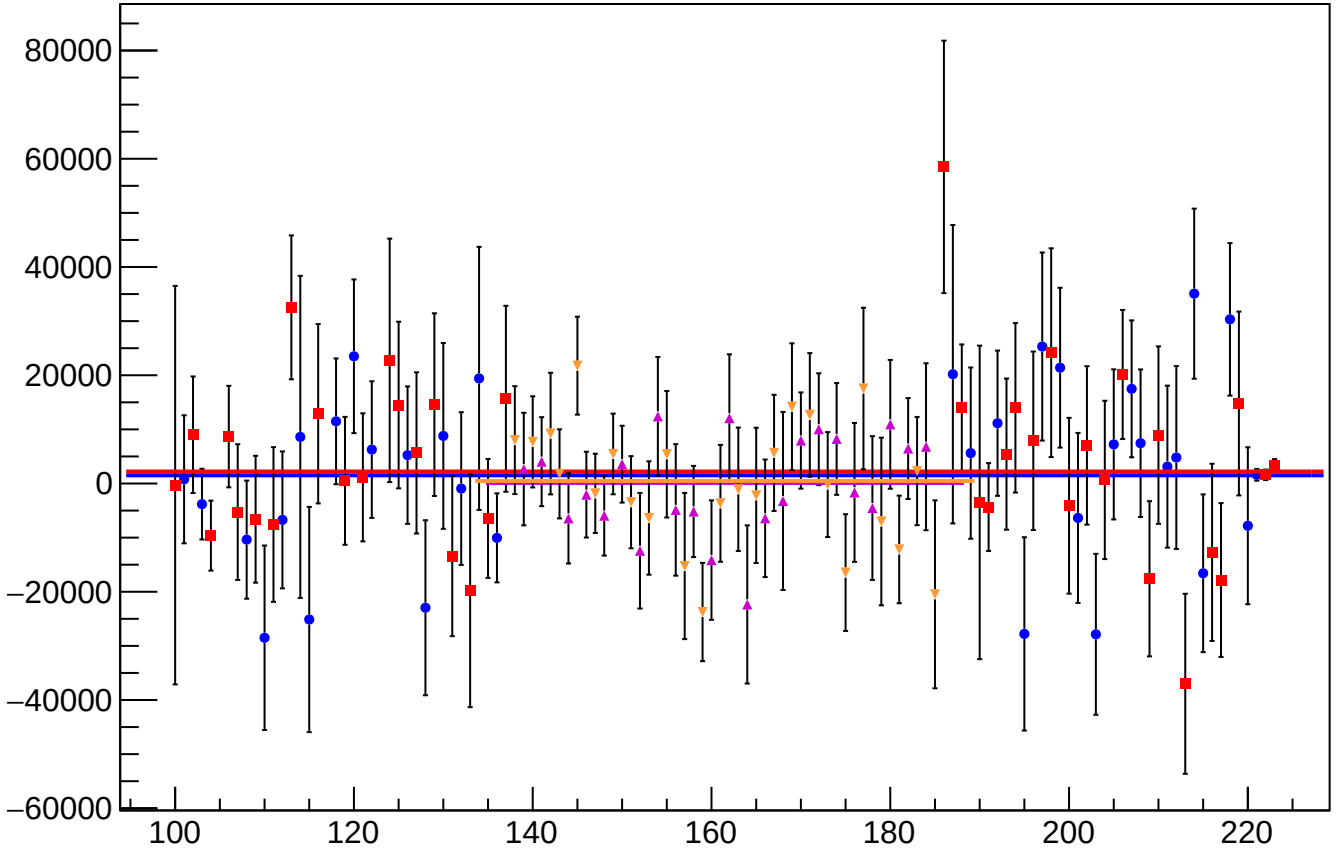
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2554.935+/-0.285 χ^2/NDF: 1059330.3/58

All: 2551.497+/-0.202 χ^2/NDF: 4528696.7/12

- sign 2547.976+/-0.288 χ^2/NDF: 3469070.9/61

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: 1510.042+/-977.143 χ^2/NDF: 39.8/33

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2215.690+/-716.271 χ^2/NDF: 41.0/38

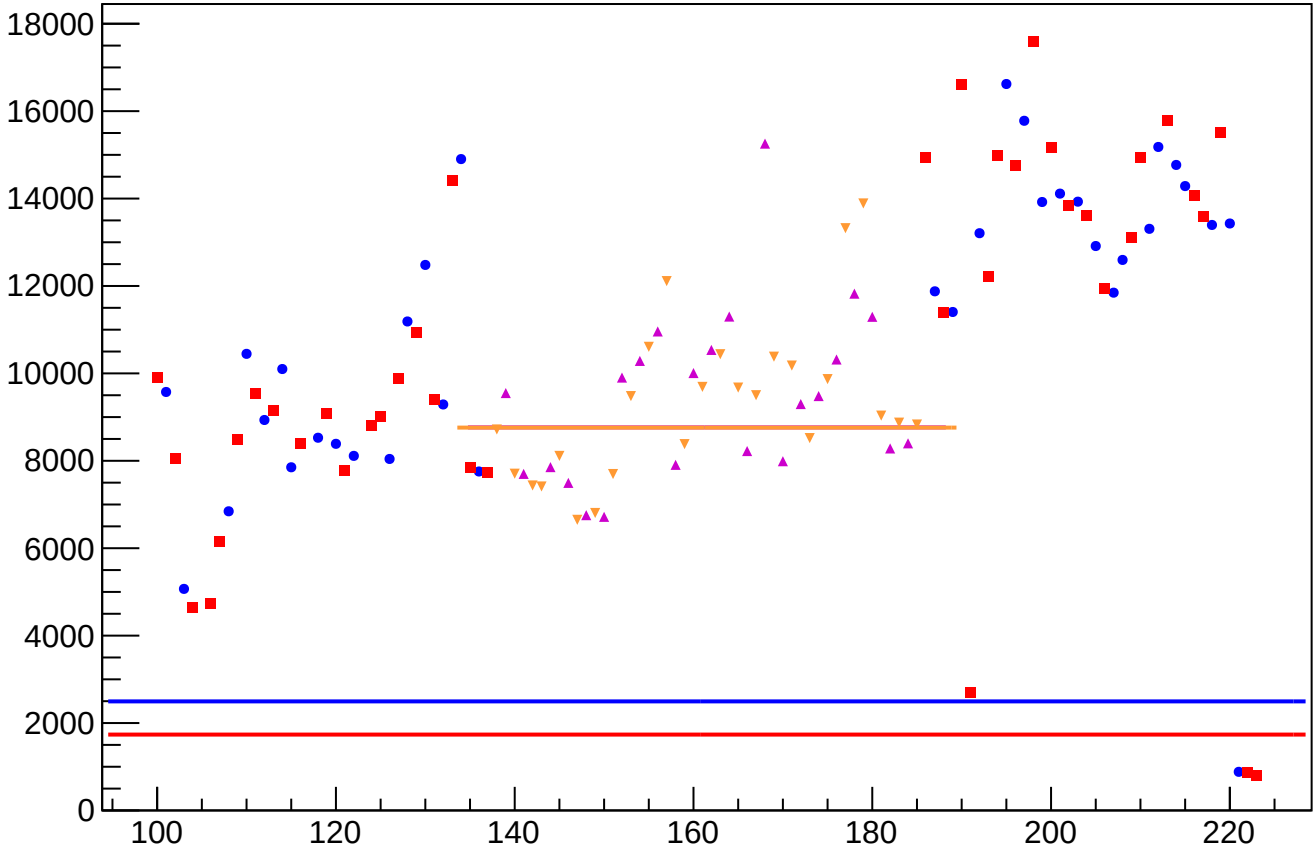
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 1316.675+/-880.938 χ^2/NDF: 67.4/58

All: 1742.229+/-537.102 χ^2/NDF: 124.2/120

- sign 1994.014+/-677.614 χ^2/NDF: 56.5/61

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 2495.475+/-0.691 χ^2/NDF: 30183364.0/33

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 1735.982+/-0.506 χ^2/NDF: 32936229.5/38

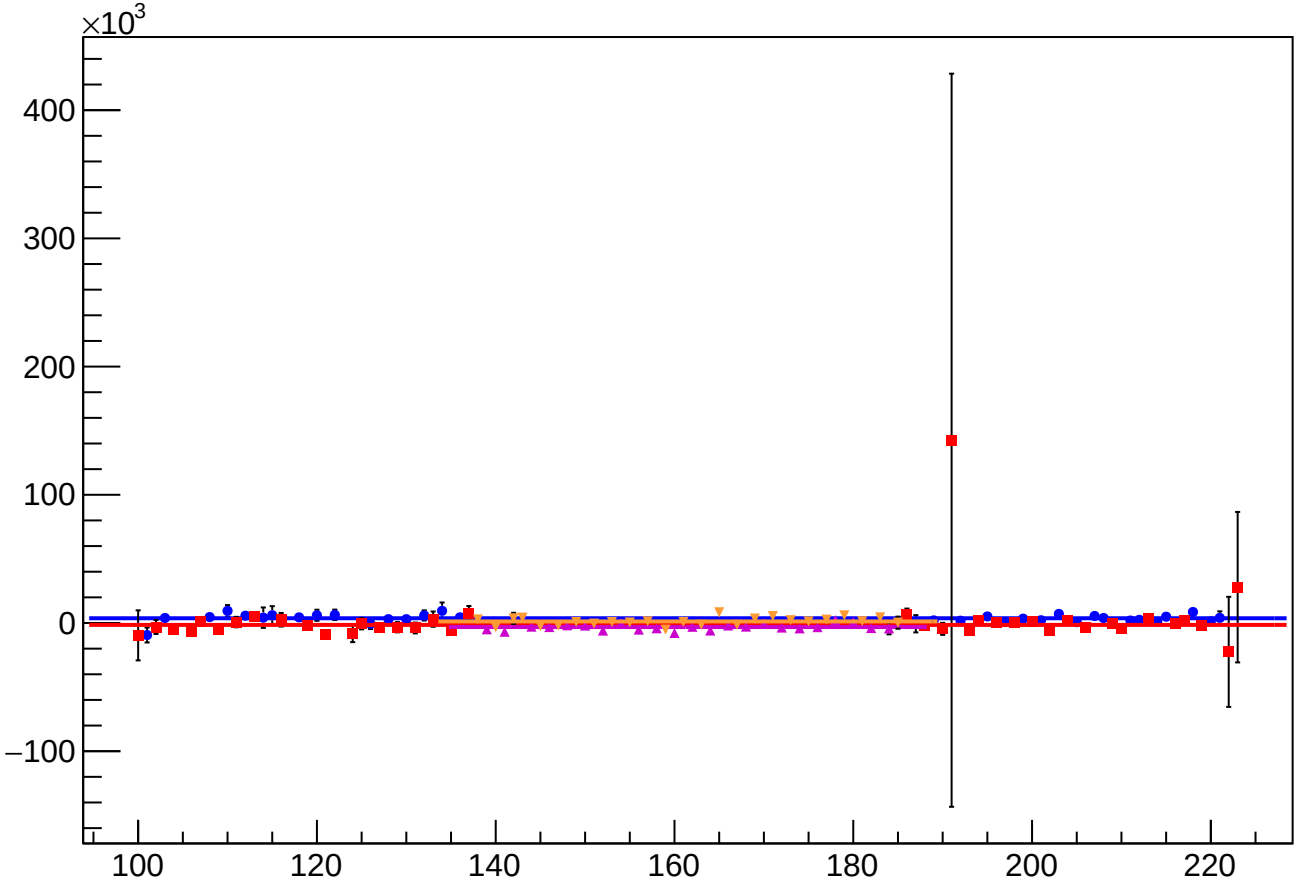
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 3668.241+/-0.623 χ^2/NDF: 46793772.3/58

All: 2918.009+/-0.380 χ^2/NDF: 103553992.8

- sign 2474.125+/-0.479 χ^2/NDF: 54451448.8/61

dit_asym_atr2_mean vs Slug



Right In: 3695.953+/-597.142 χ^2/NDF: 20.0/33

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1479.871+/-599.516 χ^2/NDF: 37.8/38

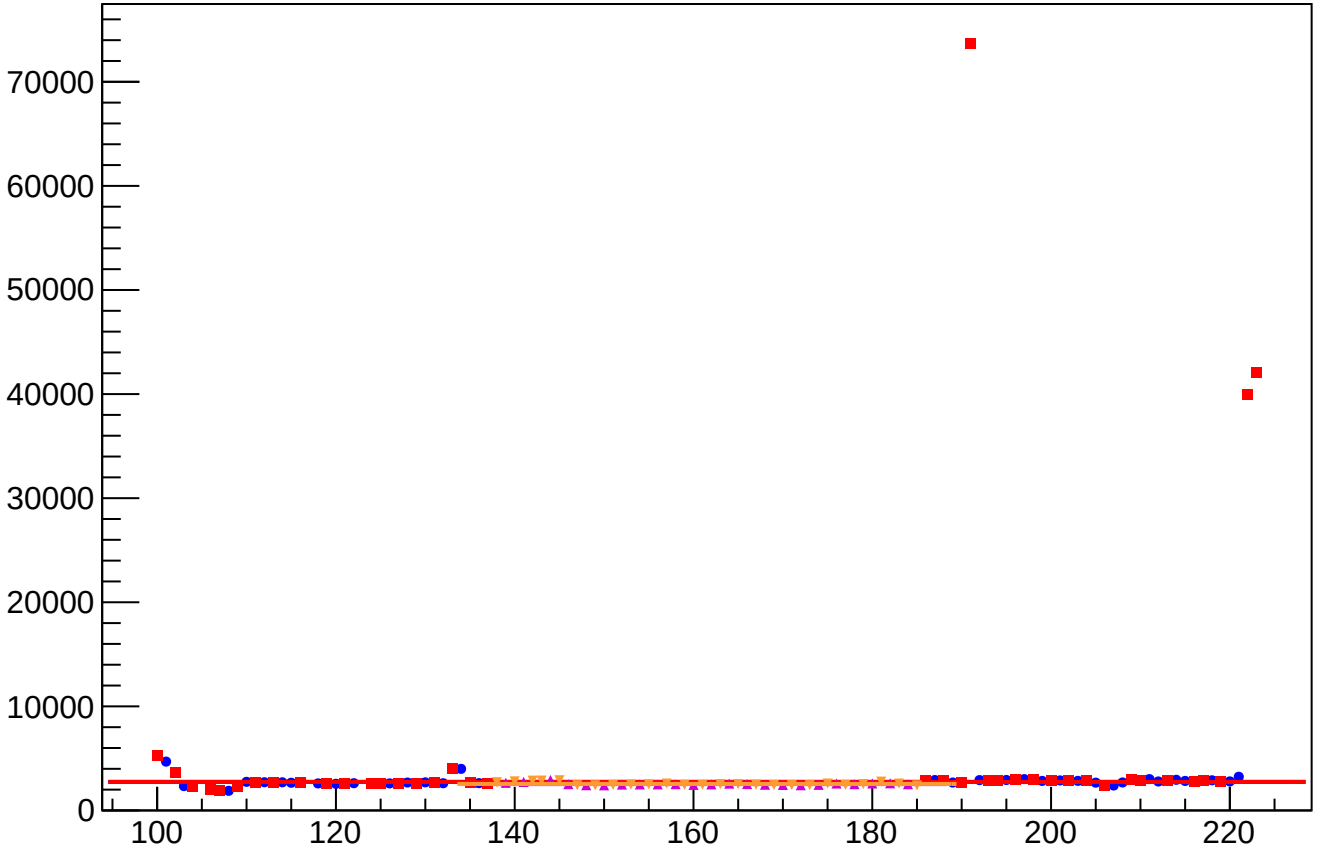
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2418.120+/-415.937 χ^2/NDF: 55.7/58

All: 76.618+/-295.983 χ^2/NDF: 178.0/120

- sign -2325.440+/-421.281 χ^2/NDF: 58.1/61

dit_asym_atr2_rms vs Slug



Right In: 2745.499+/-0.422 χ^2/NDF: 639658.1/33

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2741.299+/-0.424 χ^2/NDF: 3123075.4/38

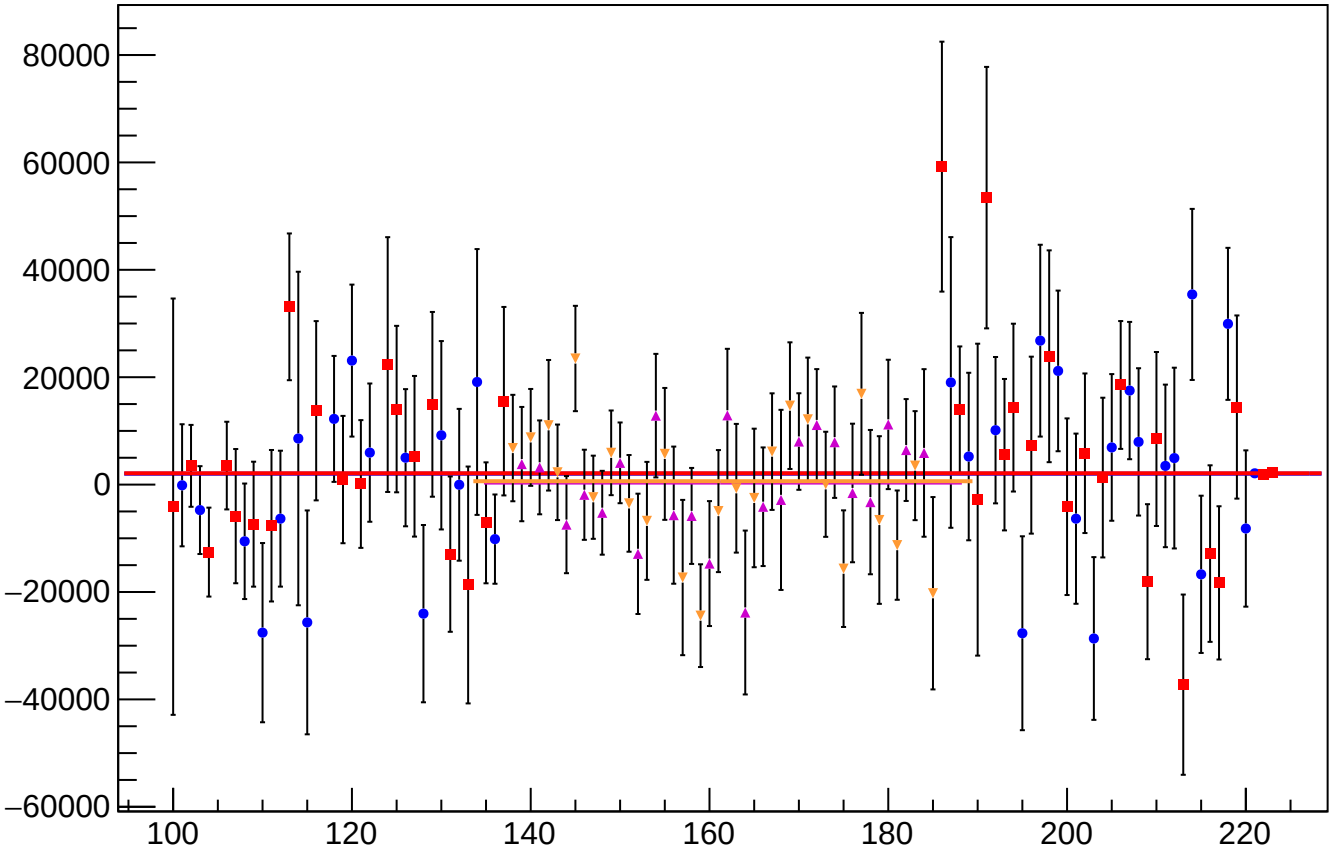
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2643.386+/-0.294 χ^2/NDF: 870555.4/58

All: 2639.624+/-0.209 χ^2/NDF: 4184917.1/12

- sign 2635.765+/-0.298 χ^2/NDF: 3314030.2/61

asym_atr2_dit_correction_mean vs Slug



Right In: 2031.166+/-640.374 χ^2/NDF: 39.6/33

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 2109.441+/-409.403 χ^2/NDF: 42.4/38

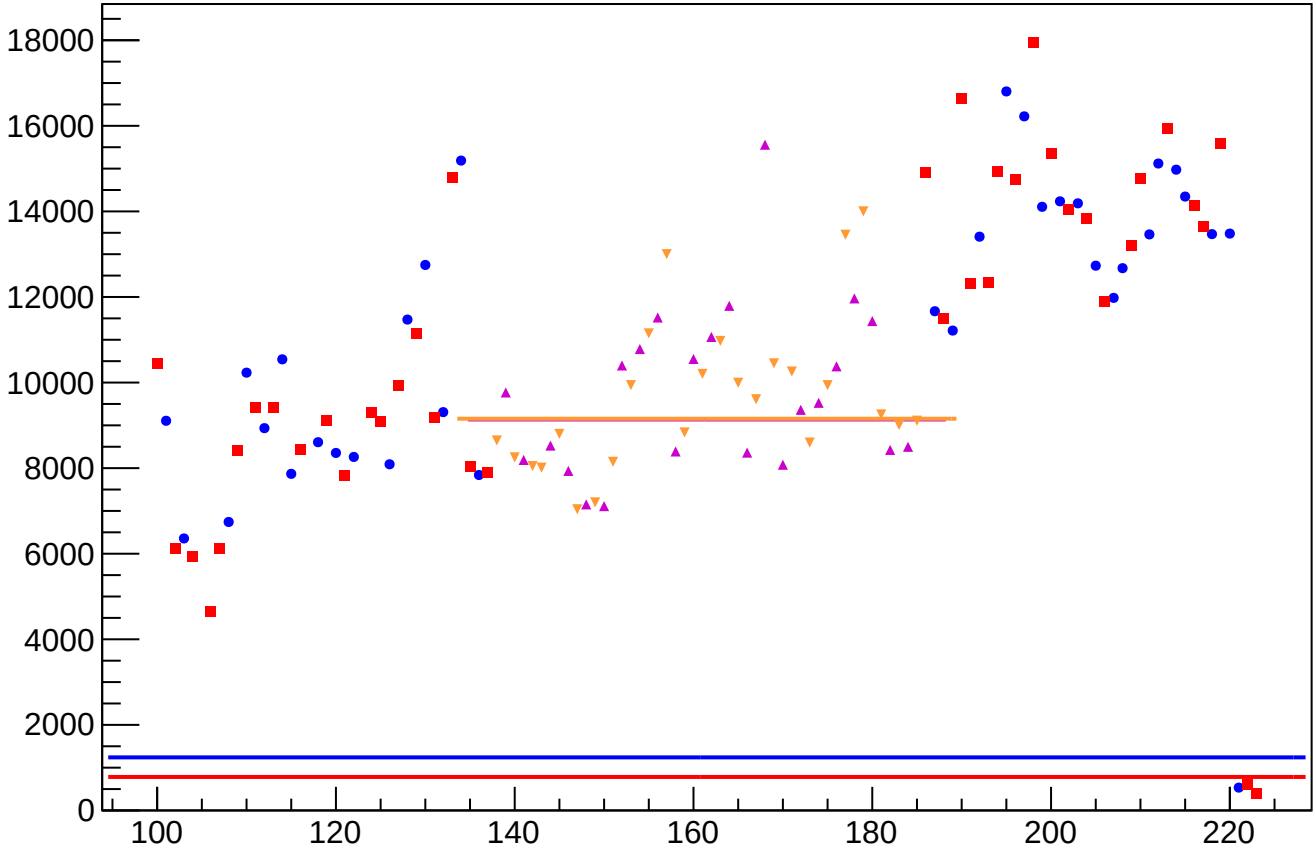
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 1914.437+/-613.093 χ^2/NDF: 66.6/58

All: 2009.374+/-336.380 χ^2/NDF: 123.9/120

- sign 2050.262+/-402.346 χ^2/NDF: 57.2/61

asym_atr2_dit_correction_rms vs Slug



Right In: 1240.427+/-0.453 χ^2/NDF: 35634144.2/33

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

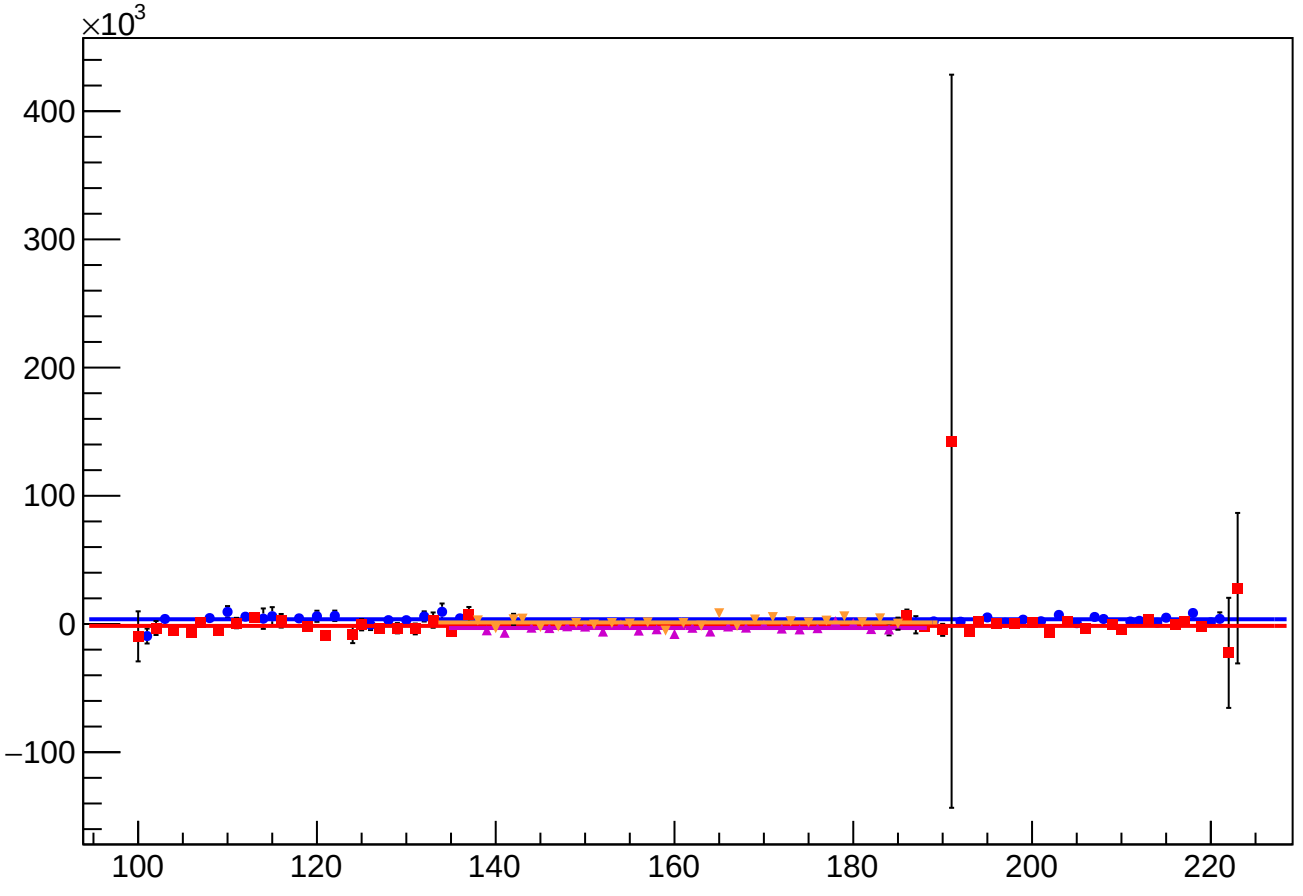
Right Out: 782.969+/-0.289 χ^2/NDF: 38242936.1/38

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 1900.393+/-0.434 χ^2/NDF: 62180054.9/58

All: 1318.931+/-0.238 χ^2/NDF: 132635273.8

- sign 1068.511+/-0.285 χ^2/NDF: 67881507.9/61



Right In: 3695.942+/-597.142 χ^2/NDF: 20.0/33

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1479.875+/-599.516 χ^2/NDF: 37.8/38

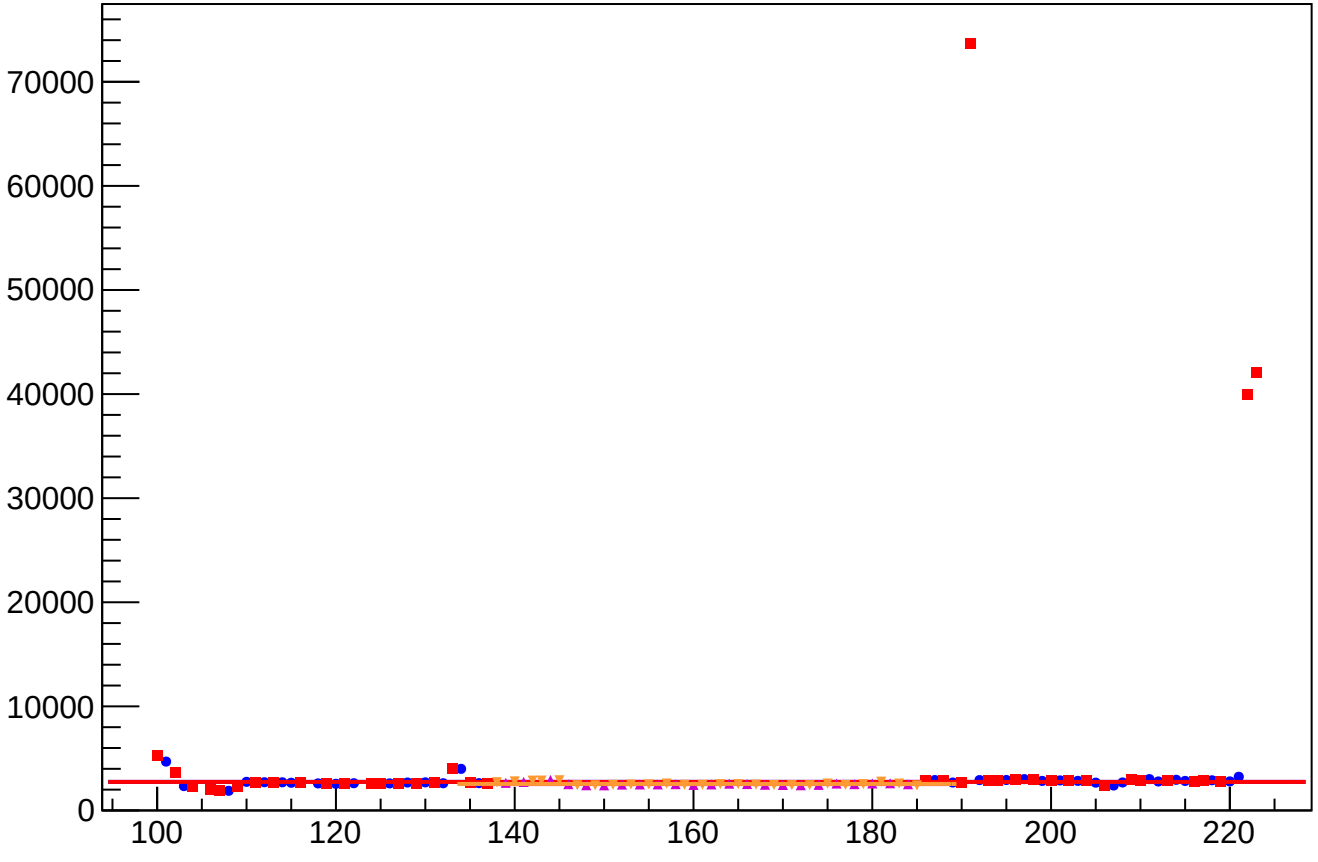
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2418.109+/-415.937 χ^2/NDF: 55.7/58

All: 76.613+/-295.983 χ^2/NDF: 178.0/120

- sign -2325.441+/-421.281 χ^2/NDF: 58.1/61

eigen_dit_asym_atr2_rms vs Slug



Right In: 2745.498+/-0.422 χ^2/NDF: 639659.0/33

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2741.299+/-0.424 χ^2/NDF: 3123075.3/38

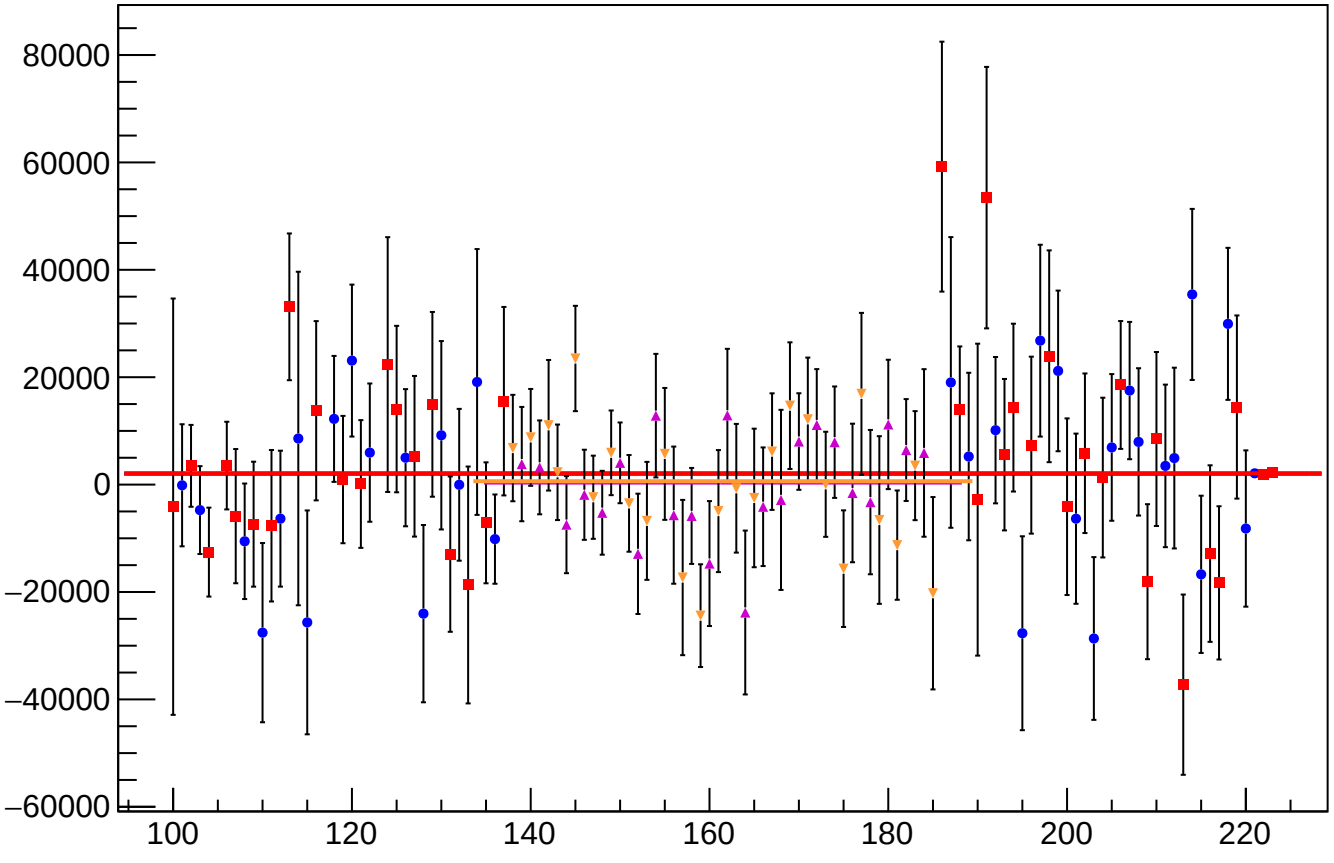
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2643.387+/-0.294 χ^2/NDF: 870553.9/58

All: 2639.624+/-0.209 χ^2/NDF: 4184913.1/12

- sign 2635.766+/-0.298 χ^2/NDF: 3314027.7/61

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: 2031.159+/-640.372 χ^2/NDF: 39.6/33

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 2109.435+/-409.402 χ^2/NDF: 42.4/38

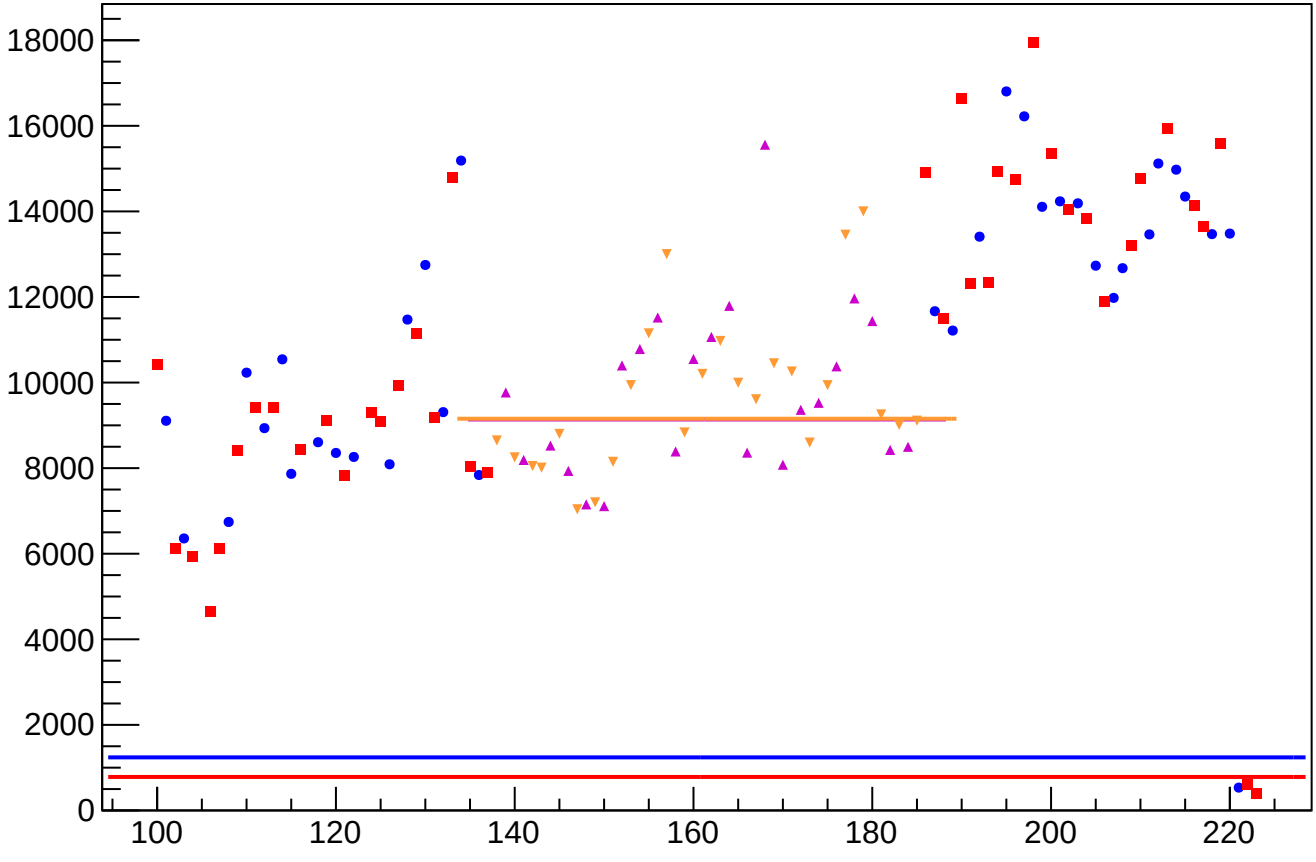
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 1914.431+/-613.091 χ^2/NDF: 66.6/58

All: 2009.369+/-336.379 χ^2/NDF: 123.9/120

- sign 2050.256+/-402.345 χ^2/NDF: 57.2/61

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 1240.420+/-0.453 χ^2/NDF: 35634174.5/33

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 782.967+/-0.289 χ^2/NDF: 38242950.1/38

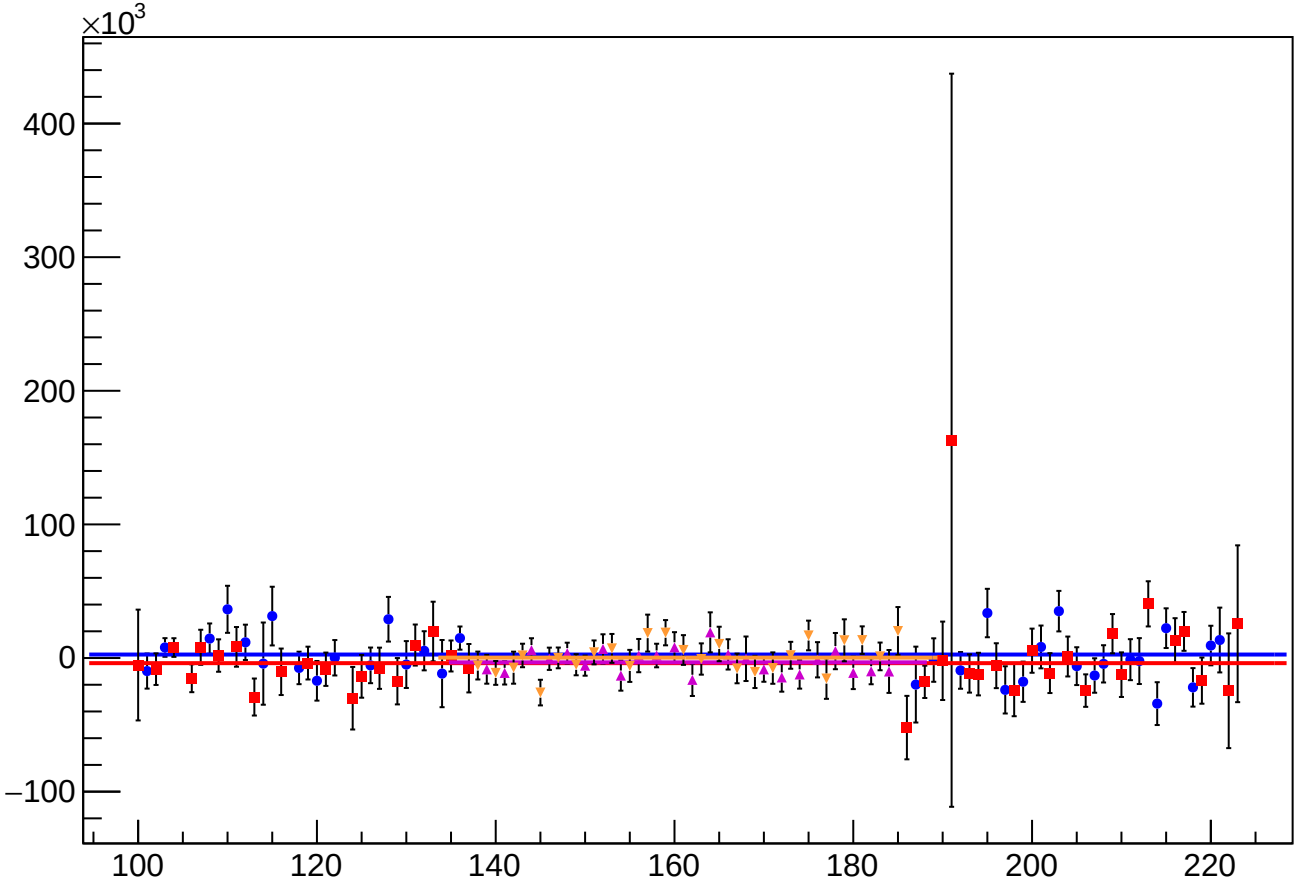
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 1900.381+/-0.434 χ^2/NDF: 62180164.8/58

All: 1318.925+/-0.238 χ^2/NDF: 132635402.8

- sign 1068.507+/-0.285 χ^2/NDF: 67881555.8/61

asym_atr2_mean vs Slug



Right In: 2607.855+/-2441.240 χ^2/NDF: 42.1/33

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -3836.814+/-2393.439 χ^2/NDF: 39.1/38

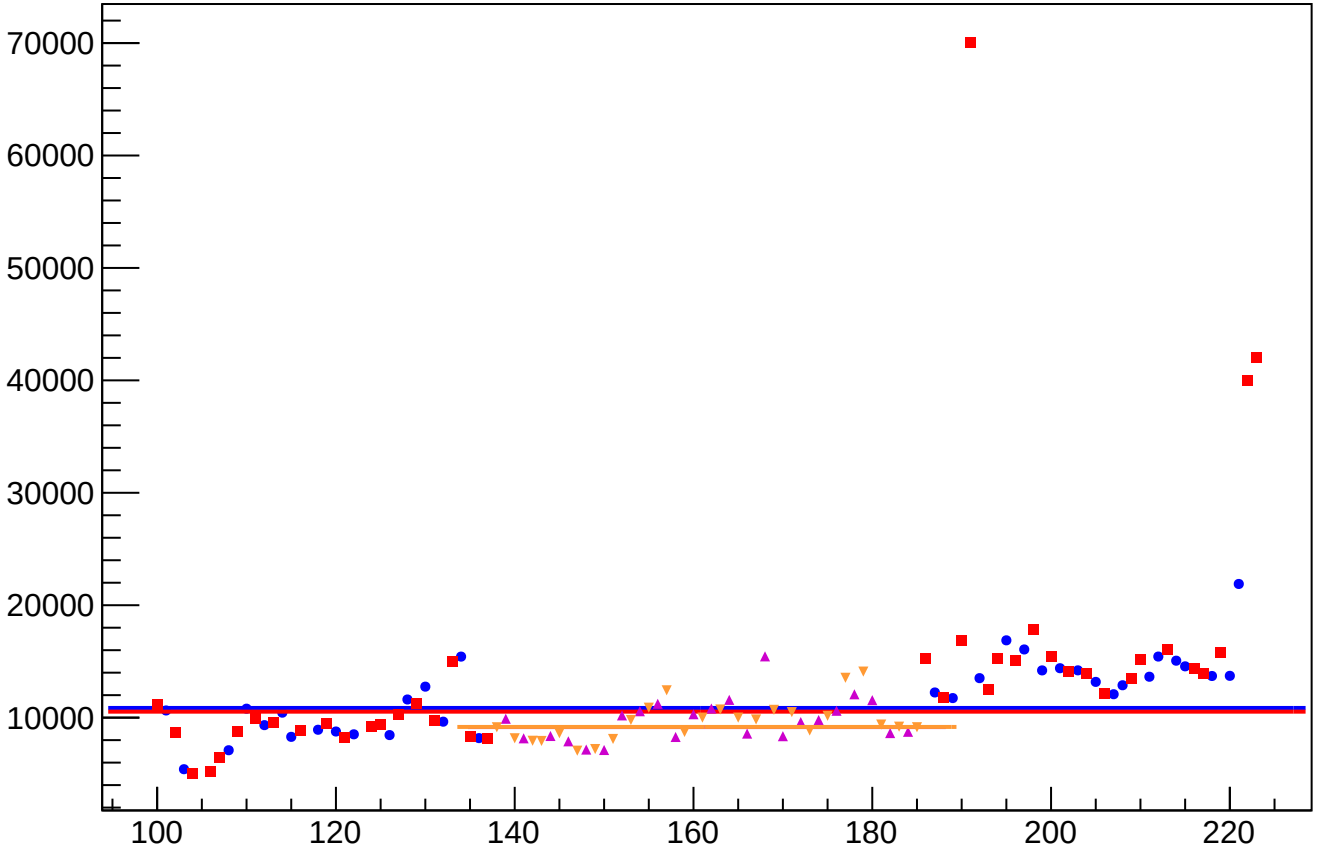
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1292.239+/-1602.991 χ^2/NDF: 69.0/58

All: -1094.570+/-1136.523 χ^2/NDF: 126.1/12

- sign -3507.132+/-1611.616 χ^2/NDF: 52.7/61

asym_atr2_rms vs Slug



Right In: 10861.538+/-1.726 χ^2/NDF: 3936047.5/33

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10532.705+/-1.692 χ^2/NDF: 6147483.9/38

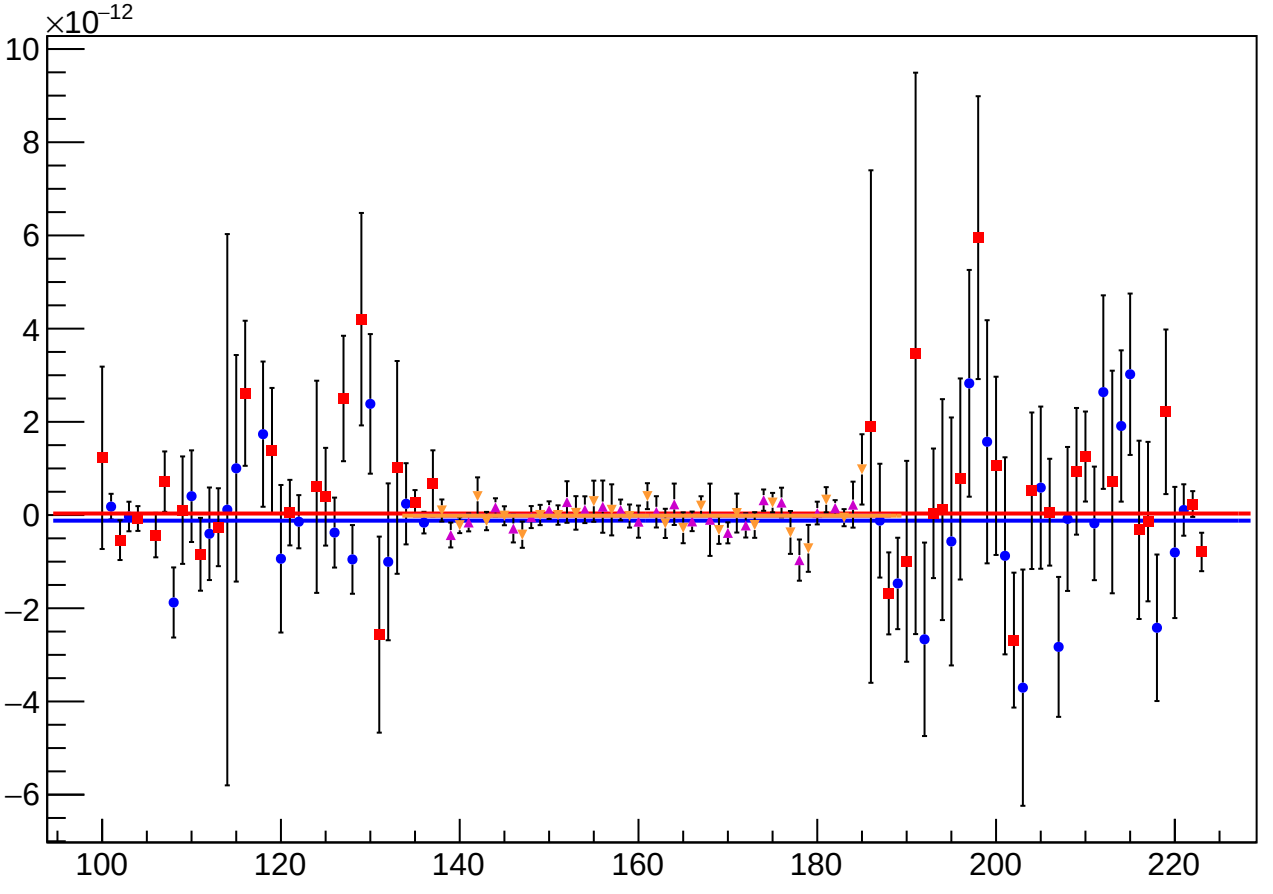
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9900.936+/-1.133 χ^2/NDF: 5537381.7/58

All: 9842.606+/-0.804 χ^2/NDF: 13176139.7/1

- sign 9783.648+/-1.140 χ^2/NDF: 7633433.1/61

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.2/38

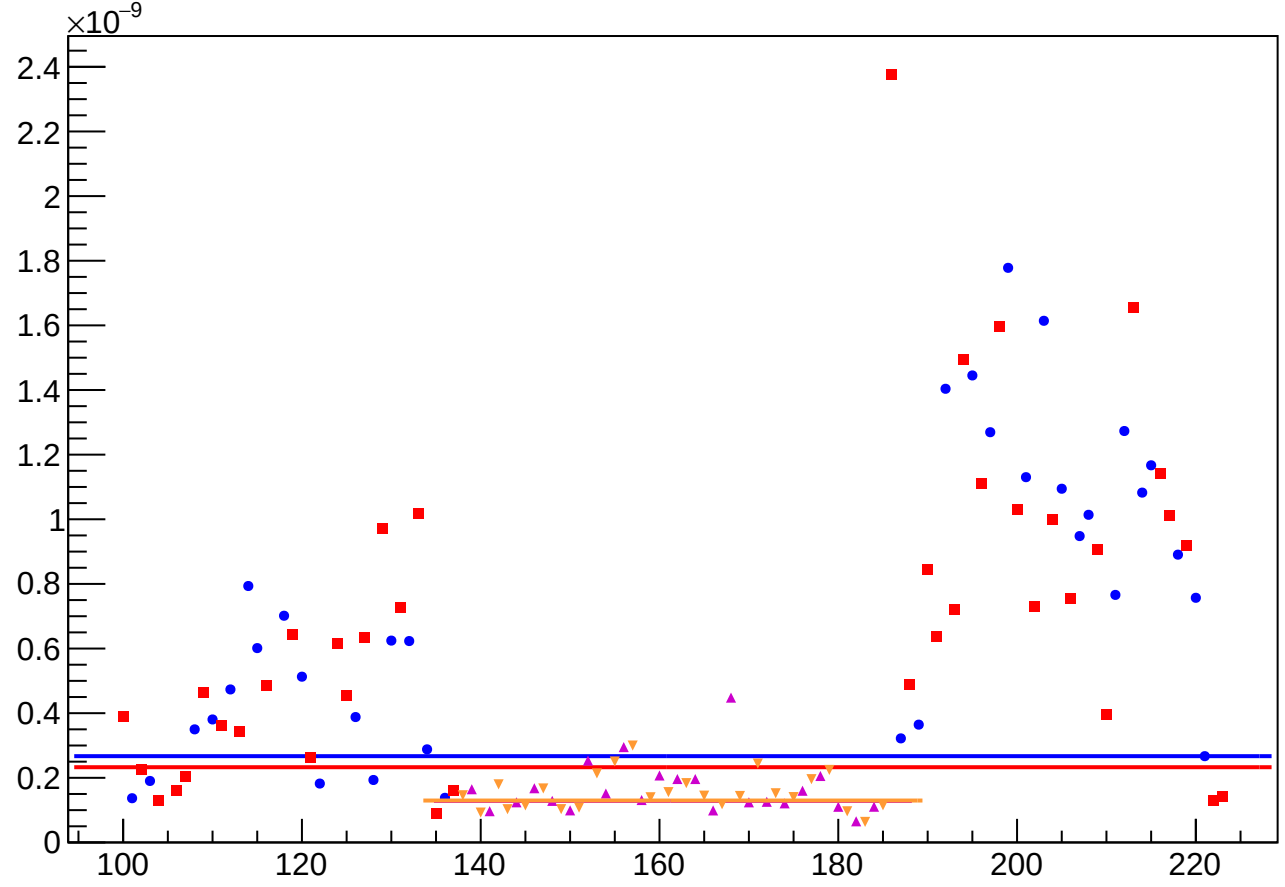
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.7/58

All: -0.000+/-0.000 χ^2/NDF: 113.4/120

- sign -0.000+/-0.000 χ^2/NDF: 59.5/61

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8562957.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8647065.0/38

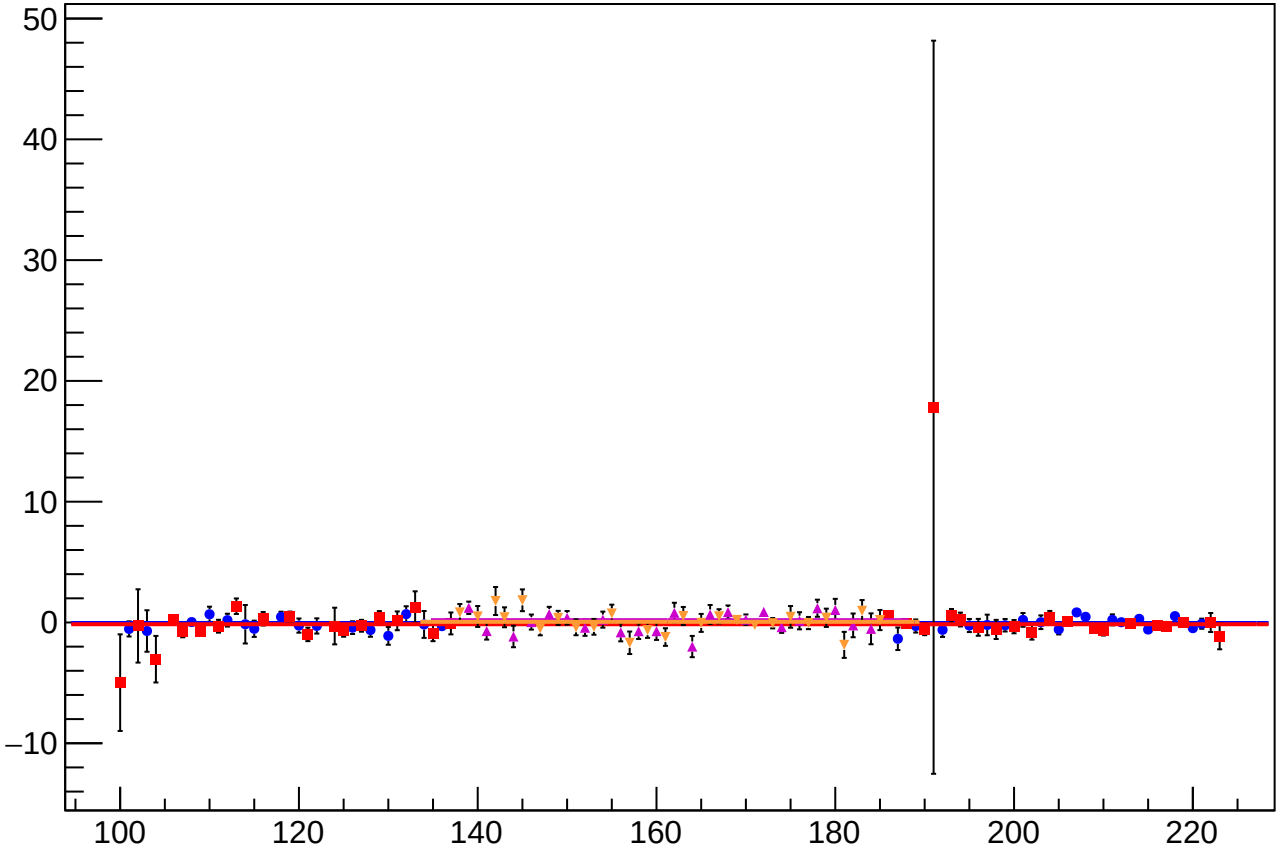
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12036506.9/58

All: 0.000+/-0.000 χ^2/NDF: 23583395.2/120

- sign 0.000+/-0.000 χ^2/NDF: 11543467.5/61

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.146+/-0.077 χ^2/NDF: 38.3/38

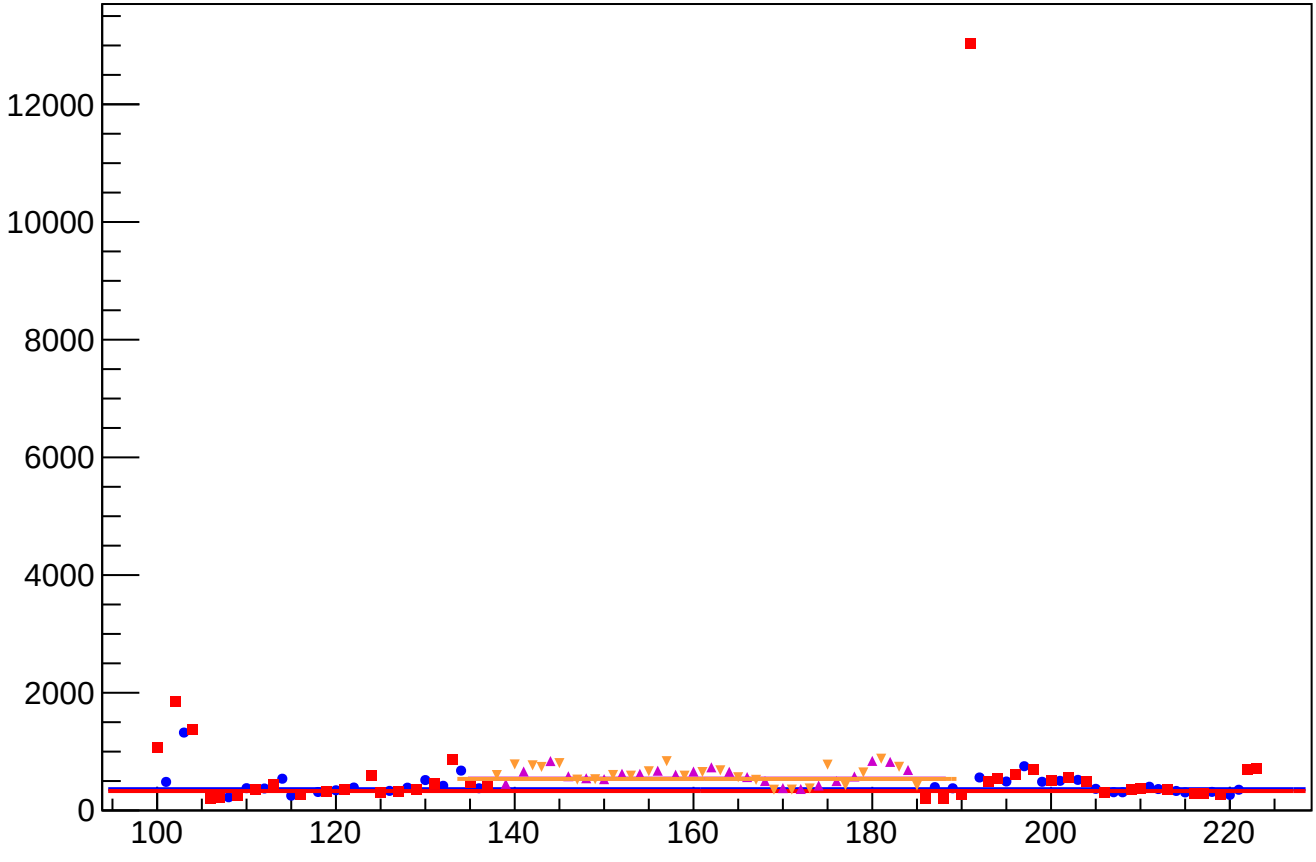
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.015+/-0.069 χ^2/NDF: 58.4/58

All: -0.039+/-0.048 χ^2/NDF: 132.9/120

- sign -0.061+/-0.067 χ^2/NDF: 74.2/61

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 361.524+/-0.058 χ^2/NDF: 2992742.2/33

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 329.747+/-0.055 χ^2/NDF: 6367453.1/38

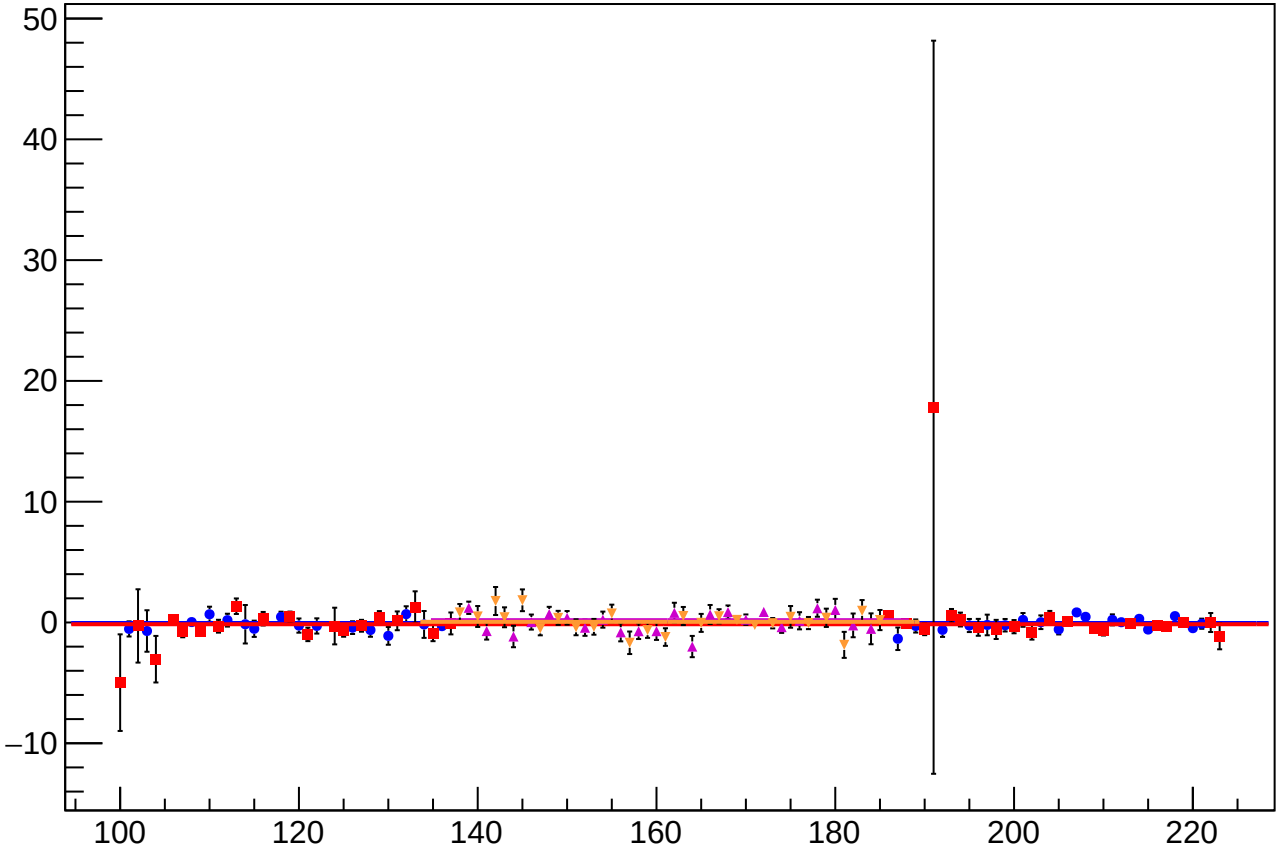
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 411.567+/-0.049 χ^2/NDF: 8329624.8/58

All: 396.636+/-0.034 χ^2/NDF: 20543216.7/12

- sign 382.808+/-0.047 χ^2/NDF: 12035114.8/61

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.146+/-0.077 χ^2/NDF: 38.3/38

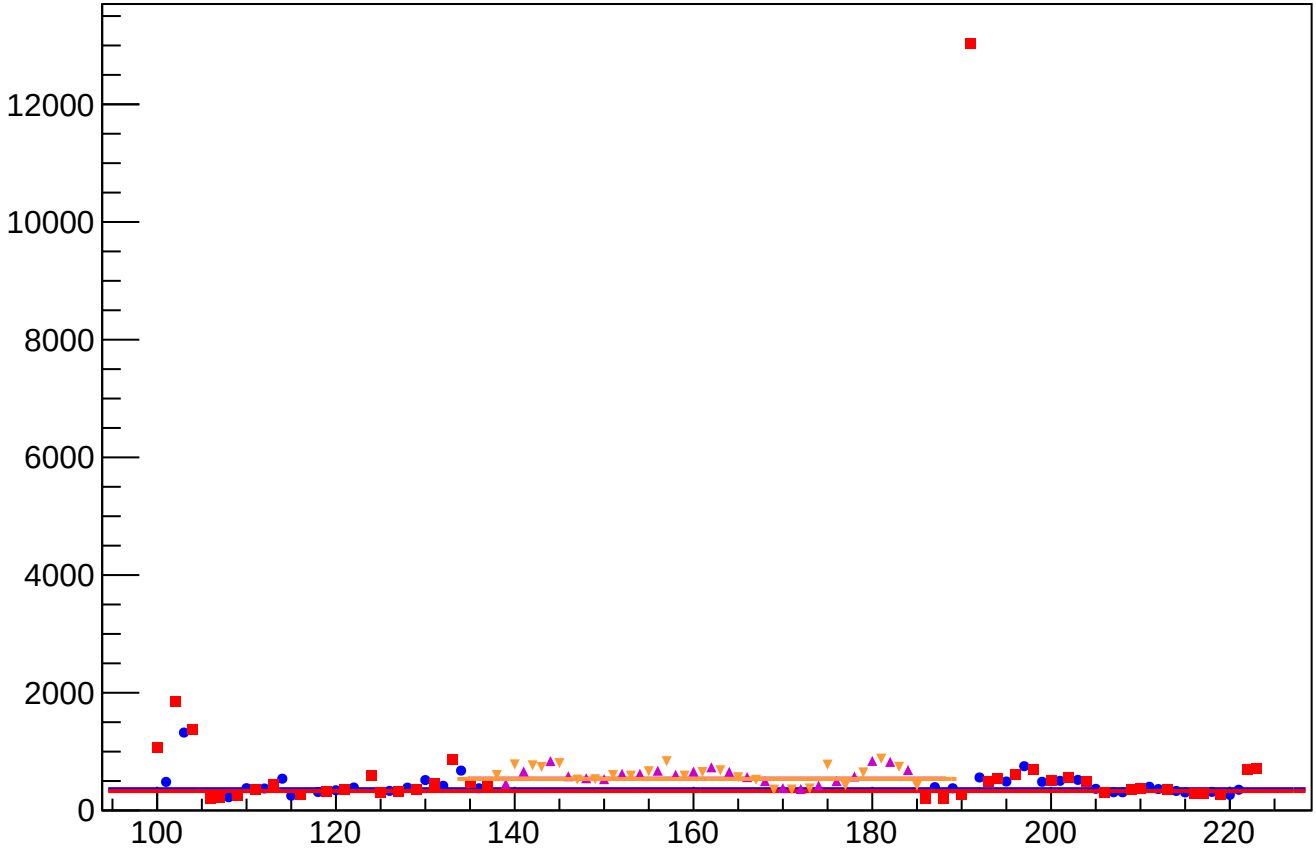
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.015+/-0.069 χ^2/NDF: 58.4/58

All: -0.039+/-0.048 χ^2/NDF: 132.9/120

- sign -0.061+/-0.067 χ^2/NDF: 74.2/61

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 361.524+/-0.058 χ^2/NDF: 2992742.2/33

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 329.747+/-0.055 χ^2/NDF: 6367453.1/38

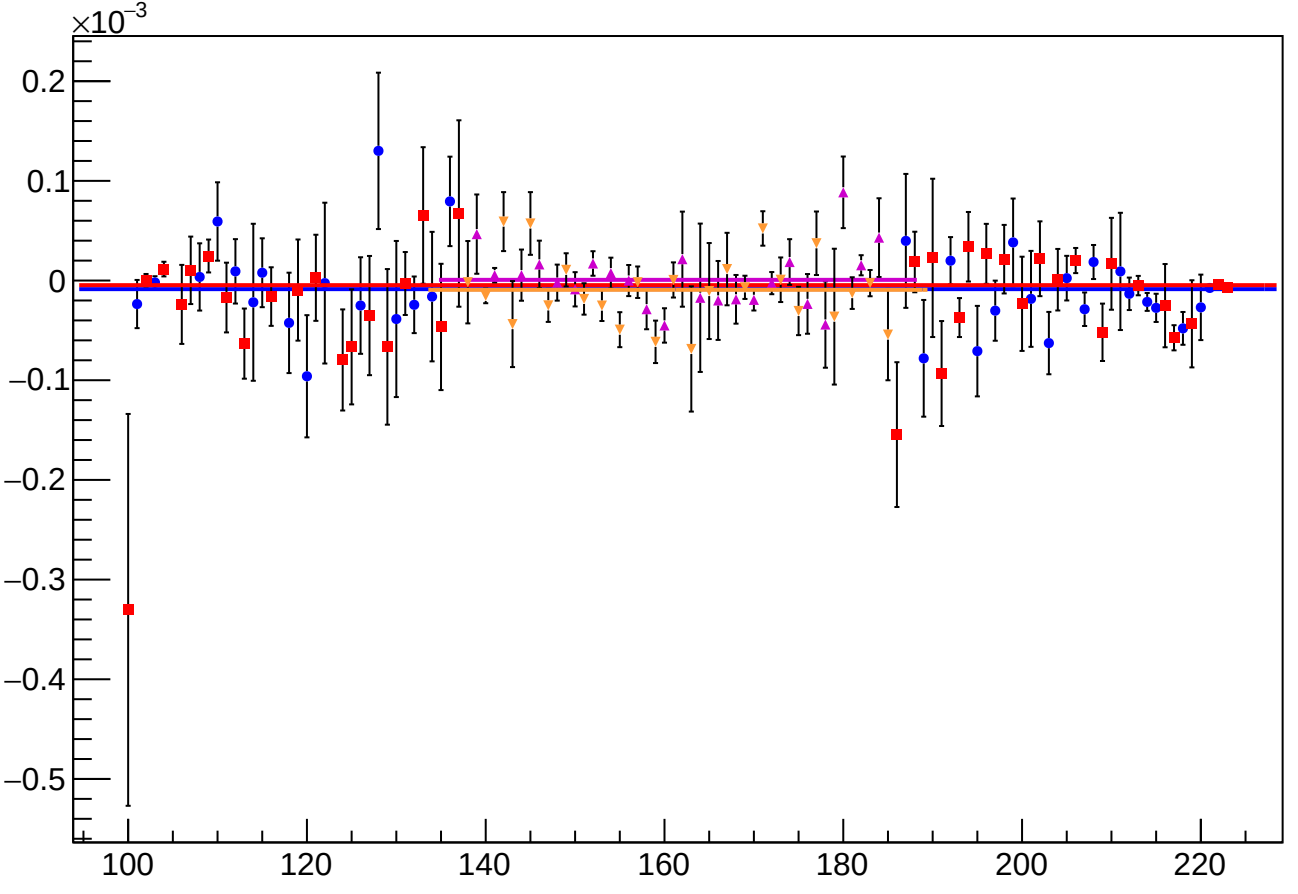
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 411.567+/-0.049 χ^2/NDF: 8329624.8/58

All: 396.636+/-0.034 χ^2/NDF: 20543216.7/12

- sign 382.808+/-0.047 χ^2/NDF: 12035114.8/61

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 62.7/38

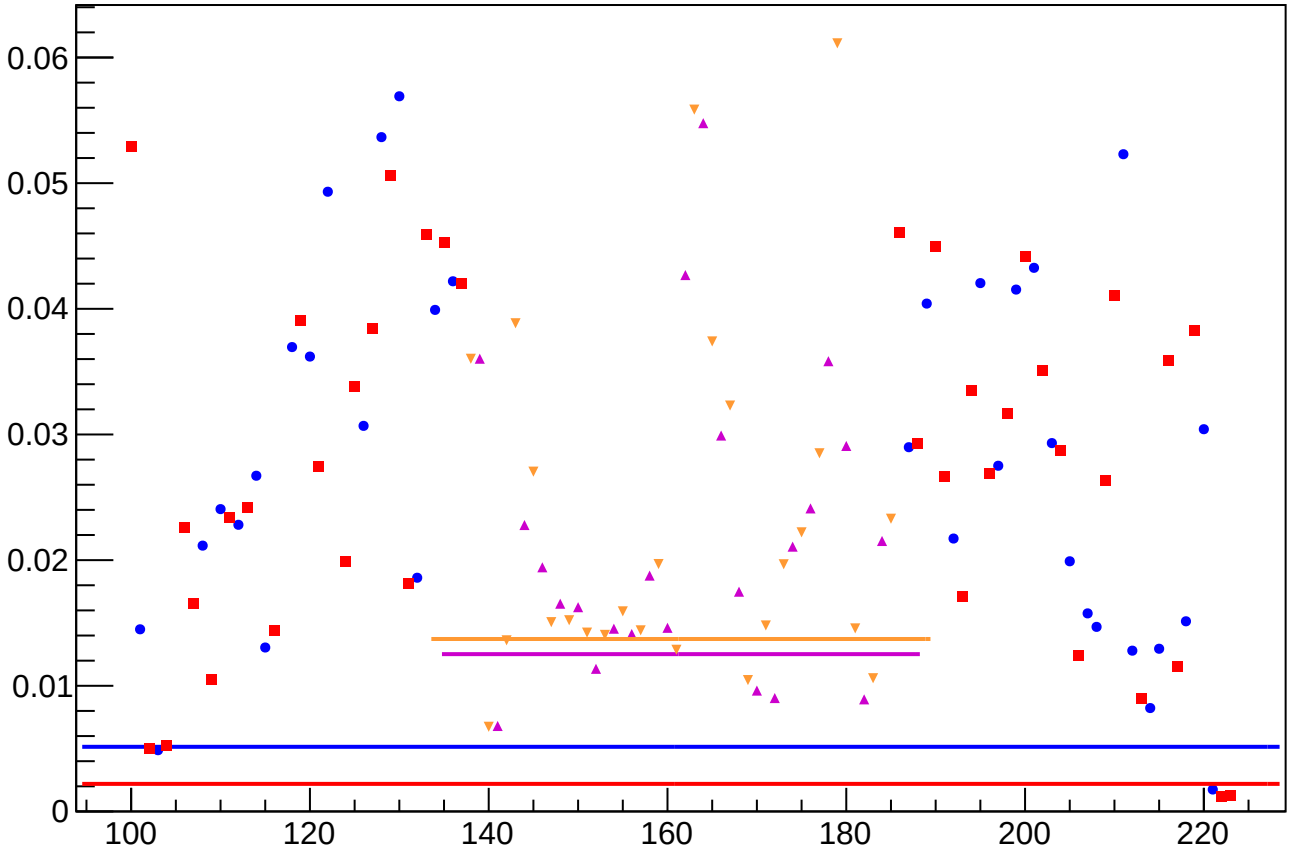
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.8/58

All: -0.000+/-0.000 χ^2/NDF: 184.9/120

- sign -0.000+/-0.000 χ^2/NDF: 94.9/61

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 27539670.2/33

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 34974171.7/38

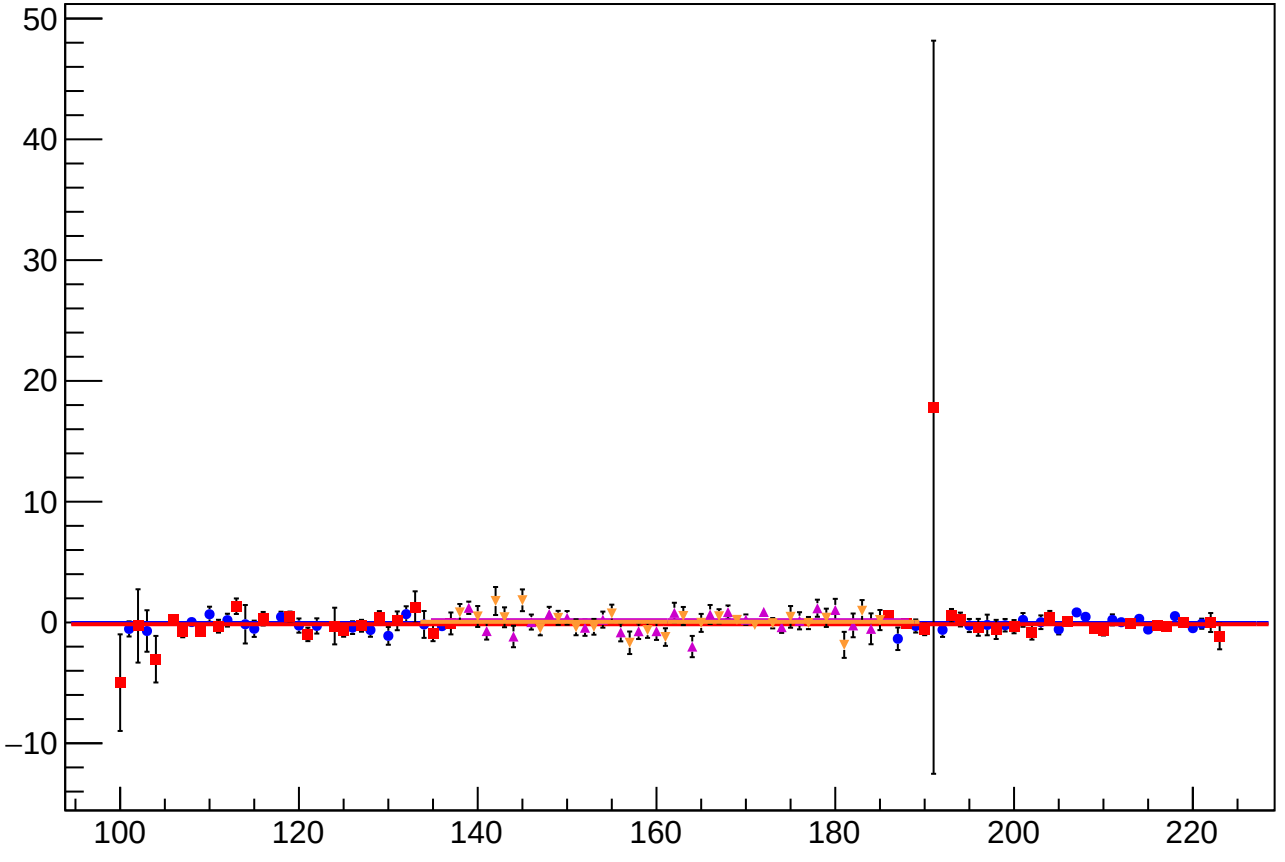
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 43924752.7/58

All: 0.004+/-0.000 χ^2/NDF: 111098381.8/120

- sign 0.003+/-0.000 χ^2/NDF: 58673508.9/61

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.146+/-0.077 χ^2/NDF: 38.3/38

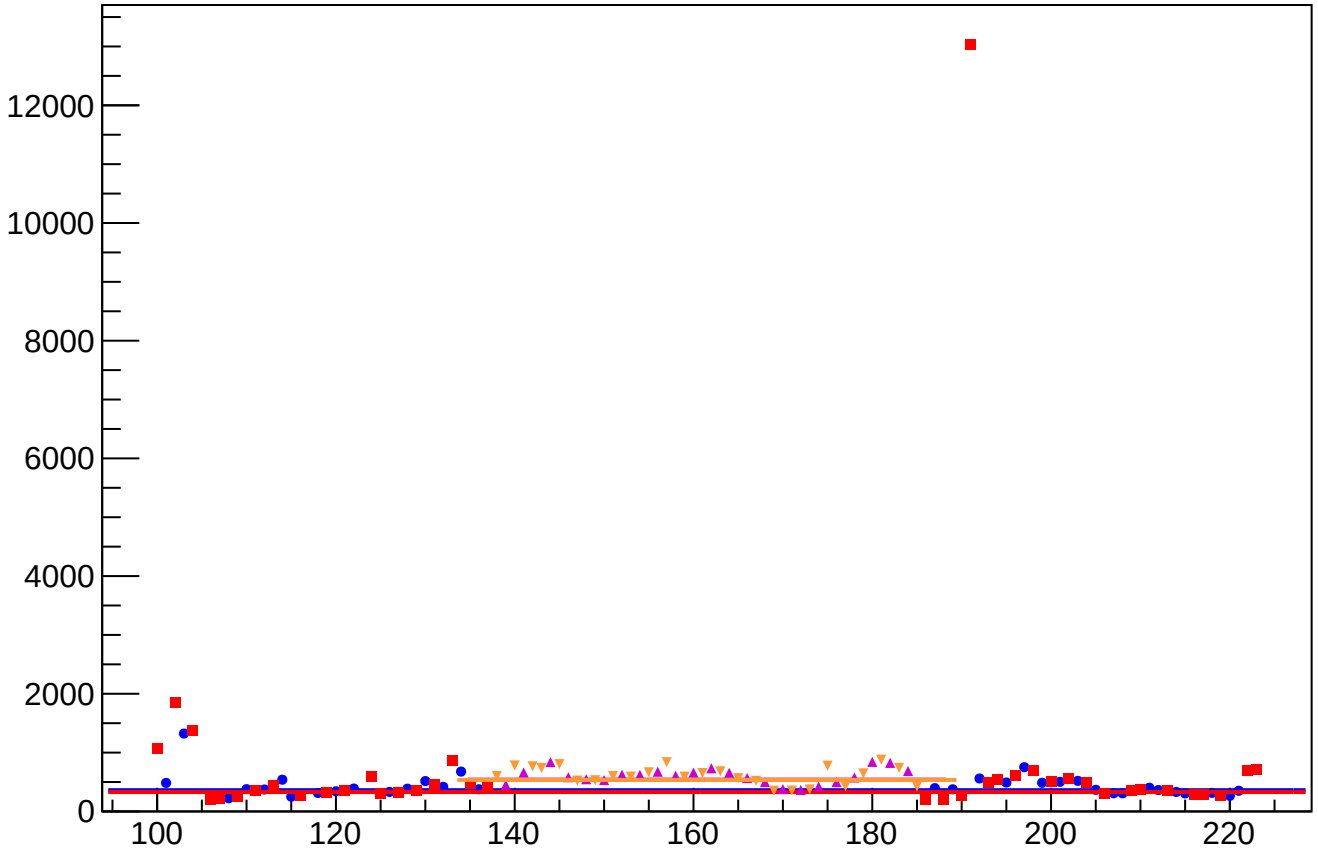
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.015+/-0.069 χ^2/NDF: 58.4/58

All: -0.039+/-0.048 χ^2/NDF: 132.9/120

- sign -0.061+/-0.067 χ^2/NDF: 74.2/61

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 361.522+/-0.058 χ^2/NDF: 2992777.6/33

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 329.747+/-0.055 χ^2/NDF: 6367385.8/38

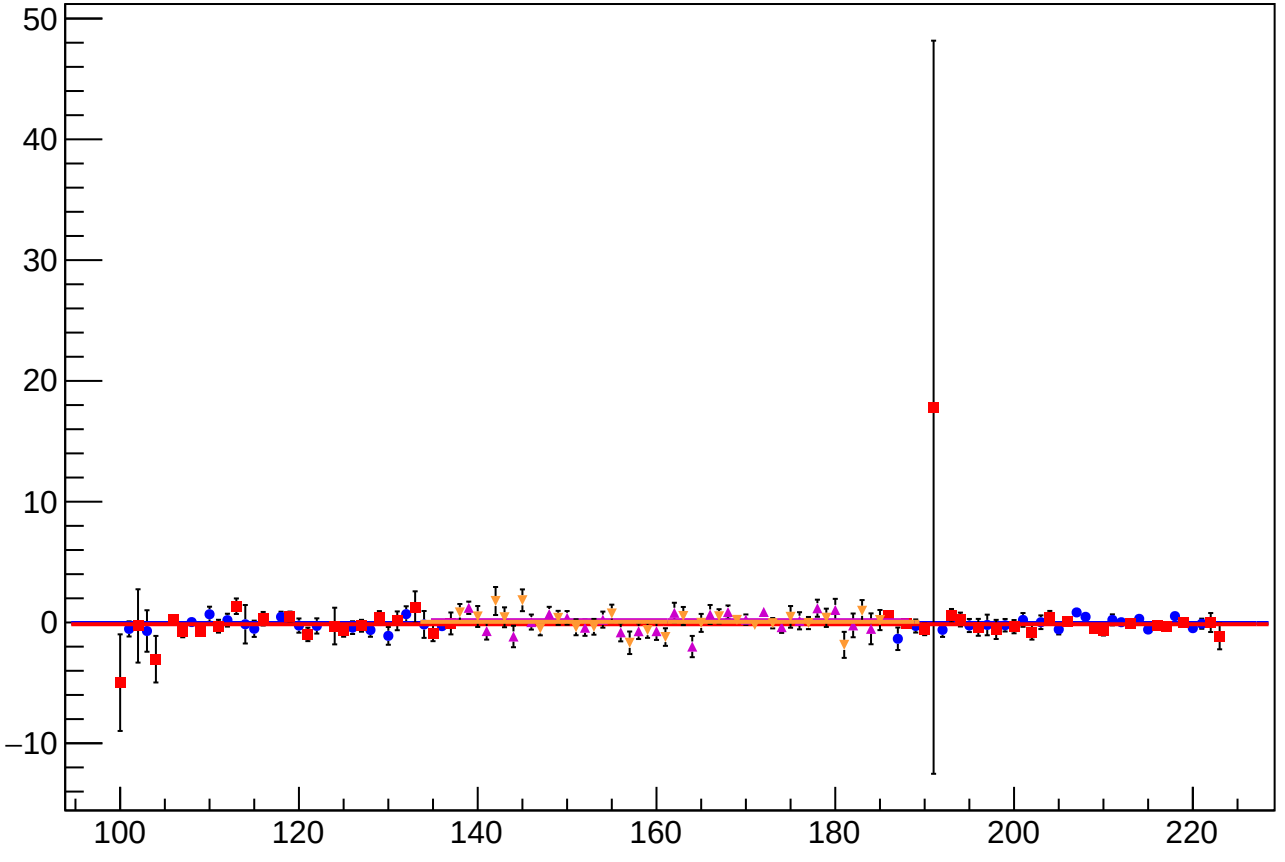
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 411.565+/-0.049 χ^2/NDF: 8329904.9/58

All: 396.636+/-0.034 χ^2/NDF: 20543563.2/12

- sign 382.809+/-0.047 χ^2/NDF: 12035202.3/61

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.146+/-0.077 χ^2/NDF: 38.3/38

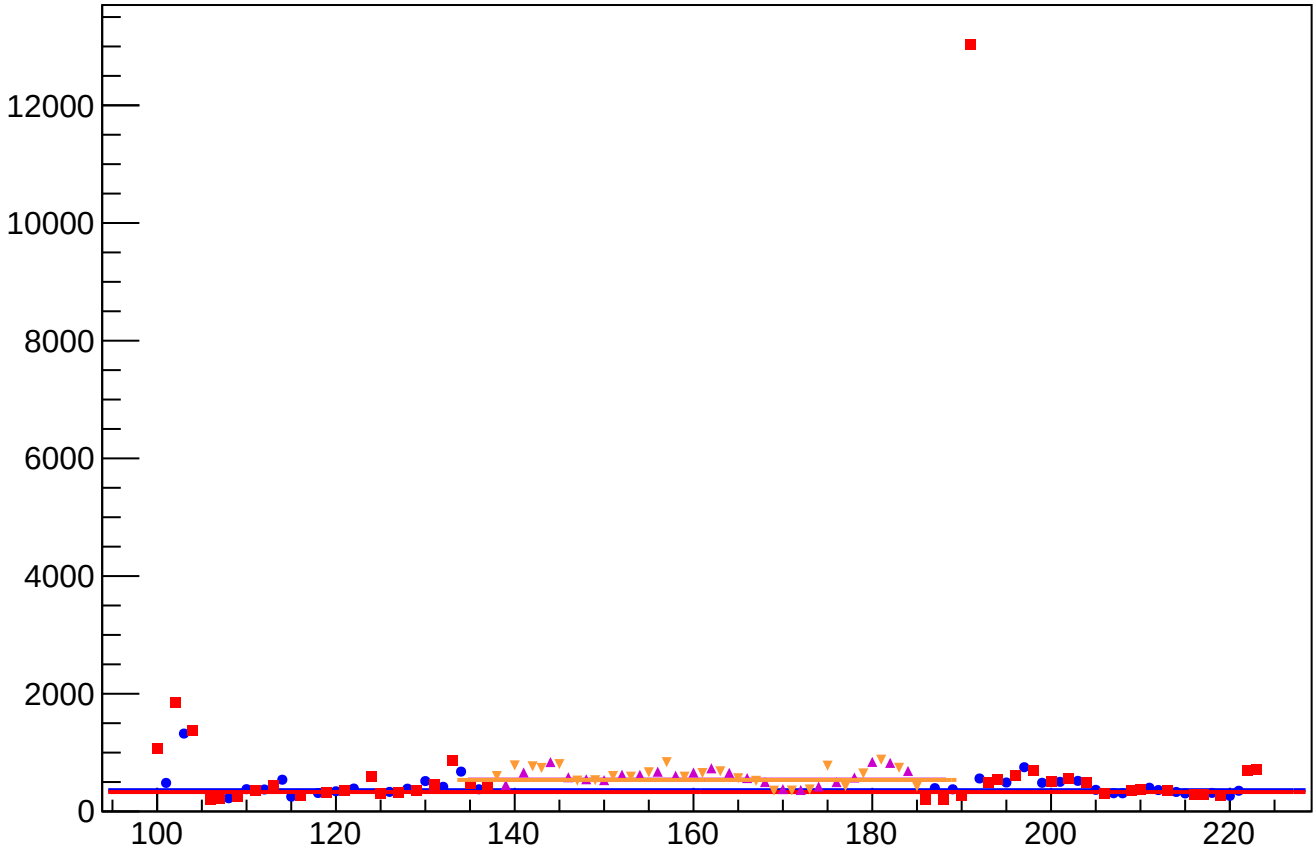
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.015+/-0.069 χ^2/NDF: 58.4/58

All: -0.039+/-0.048 χ^2/NDF: 132.9/120

- sign -0.061+/-0.067 χ^2/NDF: 74.2/61

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 361.522+/-0.058 χ^2/NDF: 2992777.6/33

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 329.747+/-0.055 χ^2/NDF: 6367385.8/38

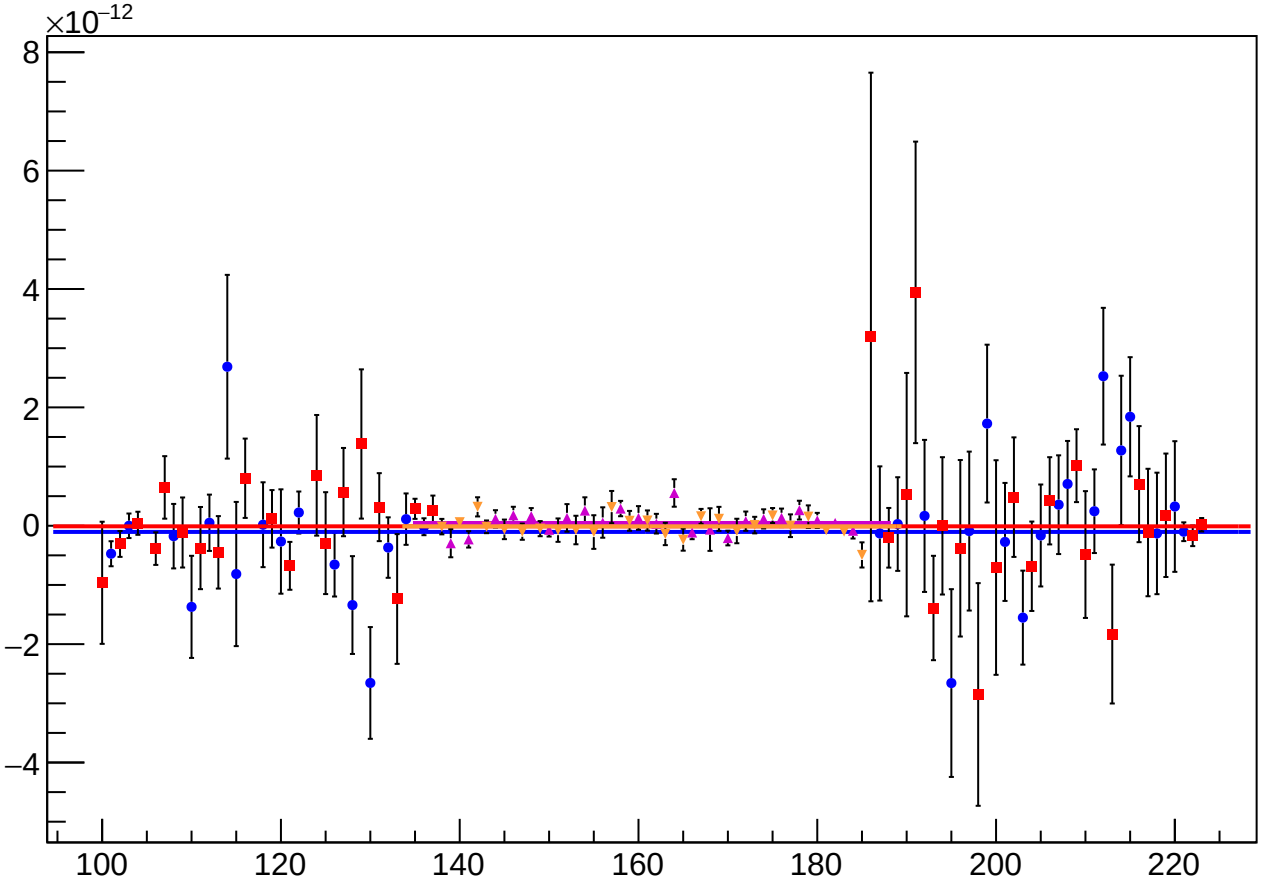
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 411.565+/-0.049 χ^2/NDF: 8329904.9/58

All: 396.636+/-0.034 χ^2/NDF: 20543563.2/12

- sign 382.809+/-0.047 χ^2/NDF: 12035202.3/61

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

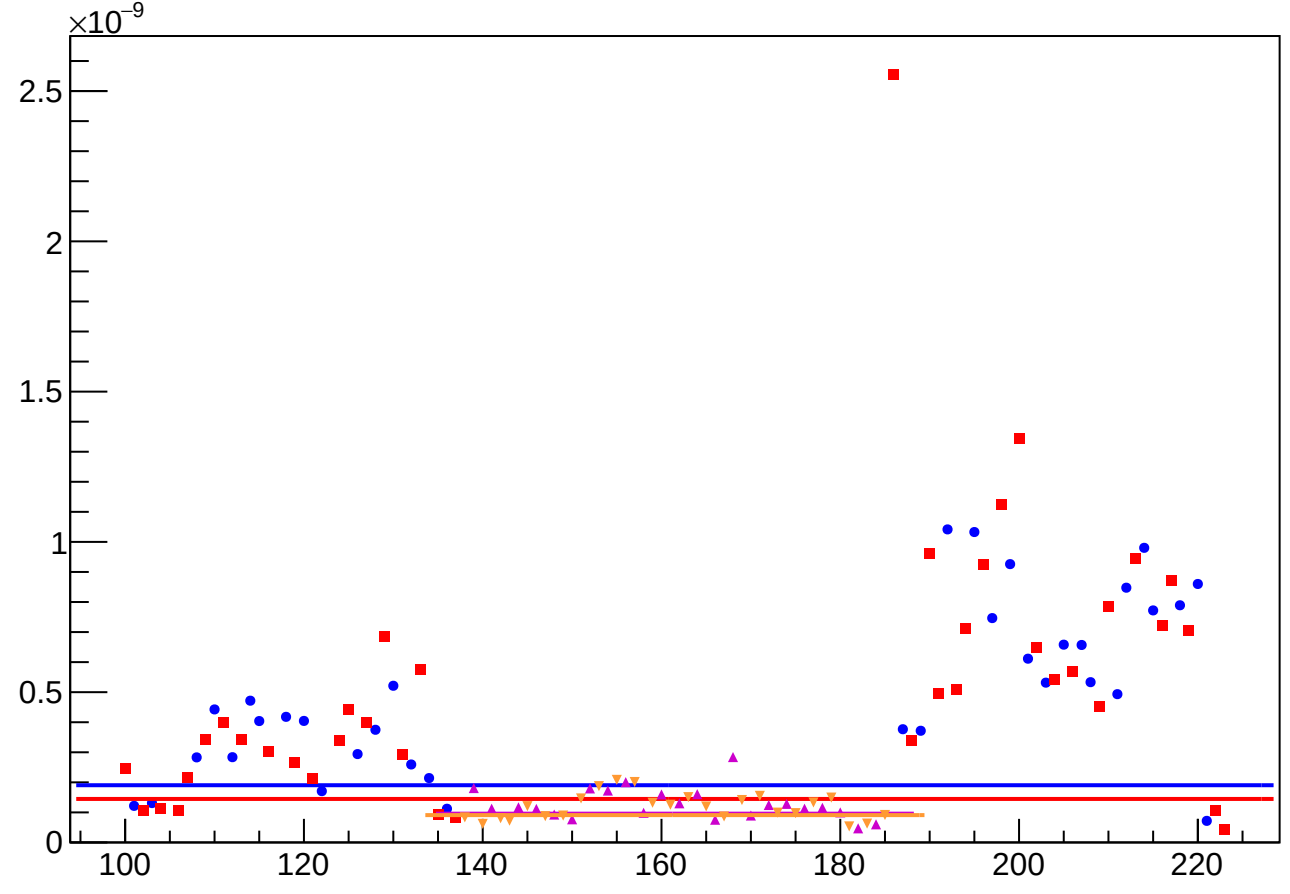
Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/38

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.1/58

All: 0.000+/-0.000 χ^2/NDF: 132.2/120

- sign 0.000+/-0.000 χ^2/NDF: 64.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 12139609.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14645892.4/38

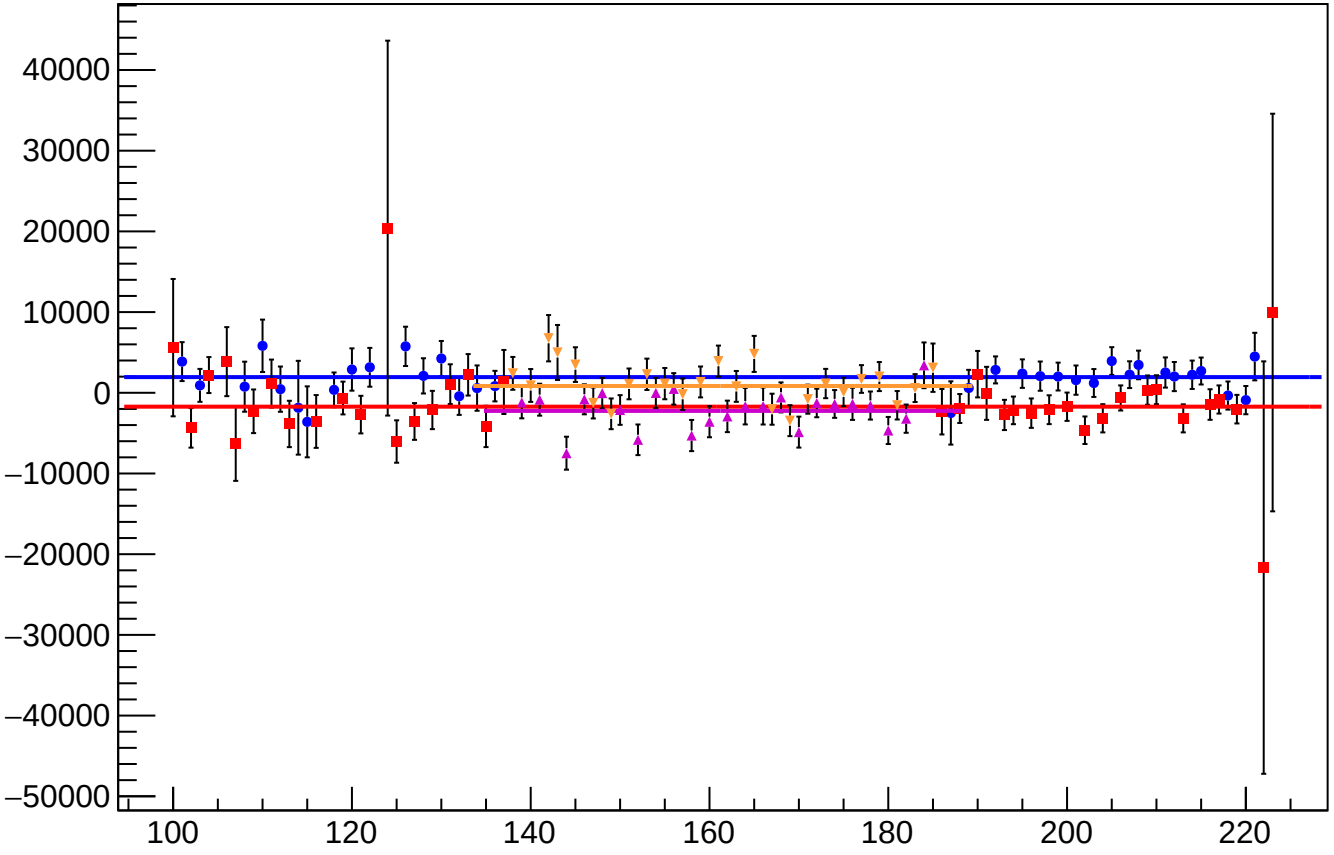
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18776327.6/58

All: 0.000+/-0.000 χ^2/NDF: 38395153.6/120

- sign 0.000+/-0.000 χ^2/NDF: 19615418.2/61

reg_asym_atl_avg_mean vs Slug



Right In: 1943.252+/-357.551 χ^2/NDF: 20.6/33

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1720.231+/-362.727 χ^2/NDF: 30.9/38

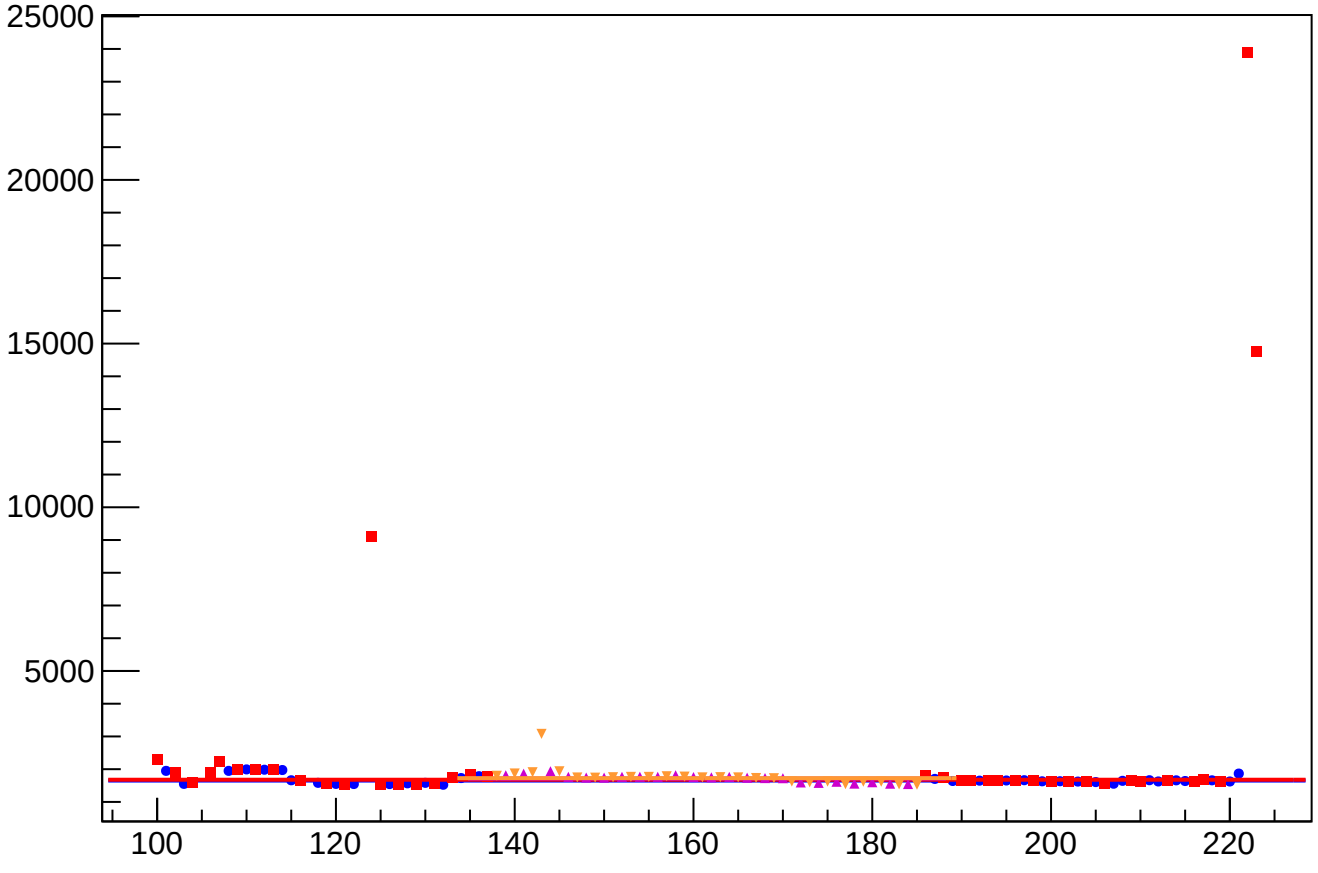
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1446.331+/-264.912 χ^2/NDF: 55.3/58

All: -229.518+/-188.725 χ^2/NDF: 197.8/120

- sign -1956.561+/-268.928 χ^2/NDF: 61.3/61

reg_asym_atl_avg_rms vs Slug



Right In: 1652.753+/-0.253 χ^2/NDF: 166605.1/33

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.627+/-0.256 χ^2/NDF: 2497572.4/38

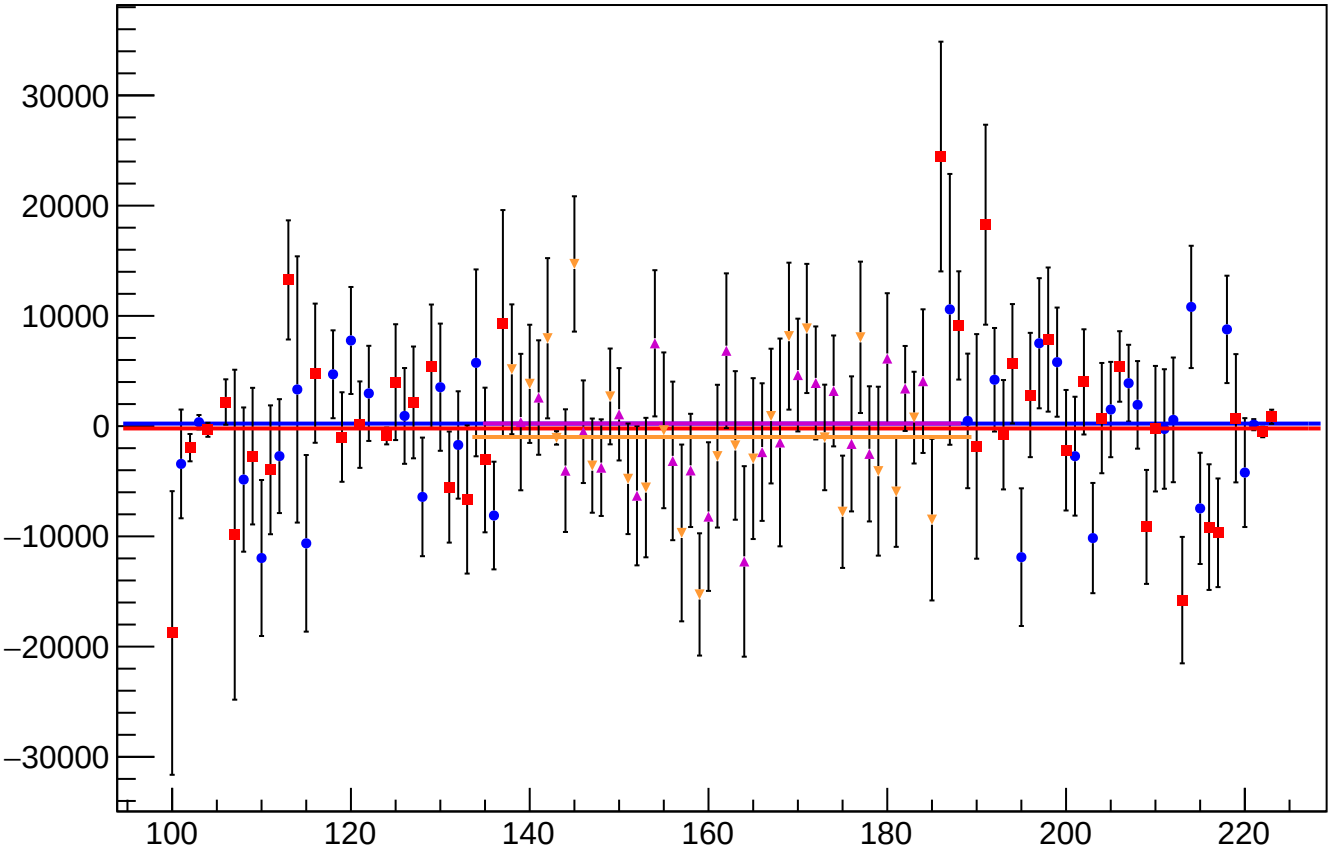
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.818+/-0.187 χ^2/NDF: 659454.3/58

All: 1689.654+/-0.133 χ^2/NDF: 3295820.2/12

- sign 1693.600+/-0.190 χ^2/NDF: 2635515.2/61

asym_atl_avg_reg_correction_mean vs Slug



Right In: 229.761+/-365.944 χ^2/NDF: 39.7/33

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -211.435+/-277.716 χ^2/NDF: 59.2/38

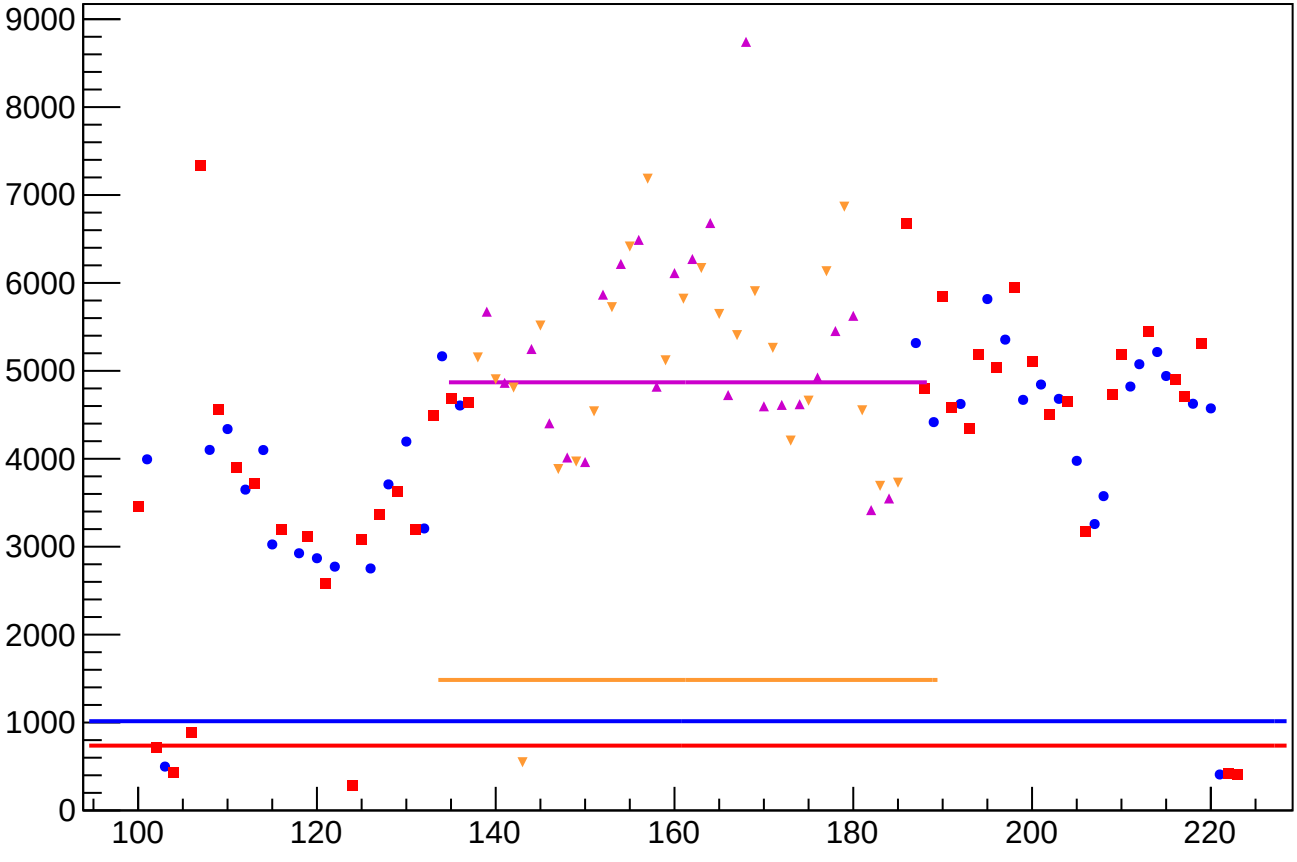
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -152.152+/-303.156 χ^2/NDF: 74.0/58

All: -171.679+/-201.687 χ^2/NDF: 146.9/120

- sign -187.185+/-270.147 χ^2/NDF: 72.9/61

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1015.198+/-0.259 χ^2/NDF: 27609093.5/33

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

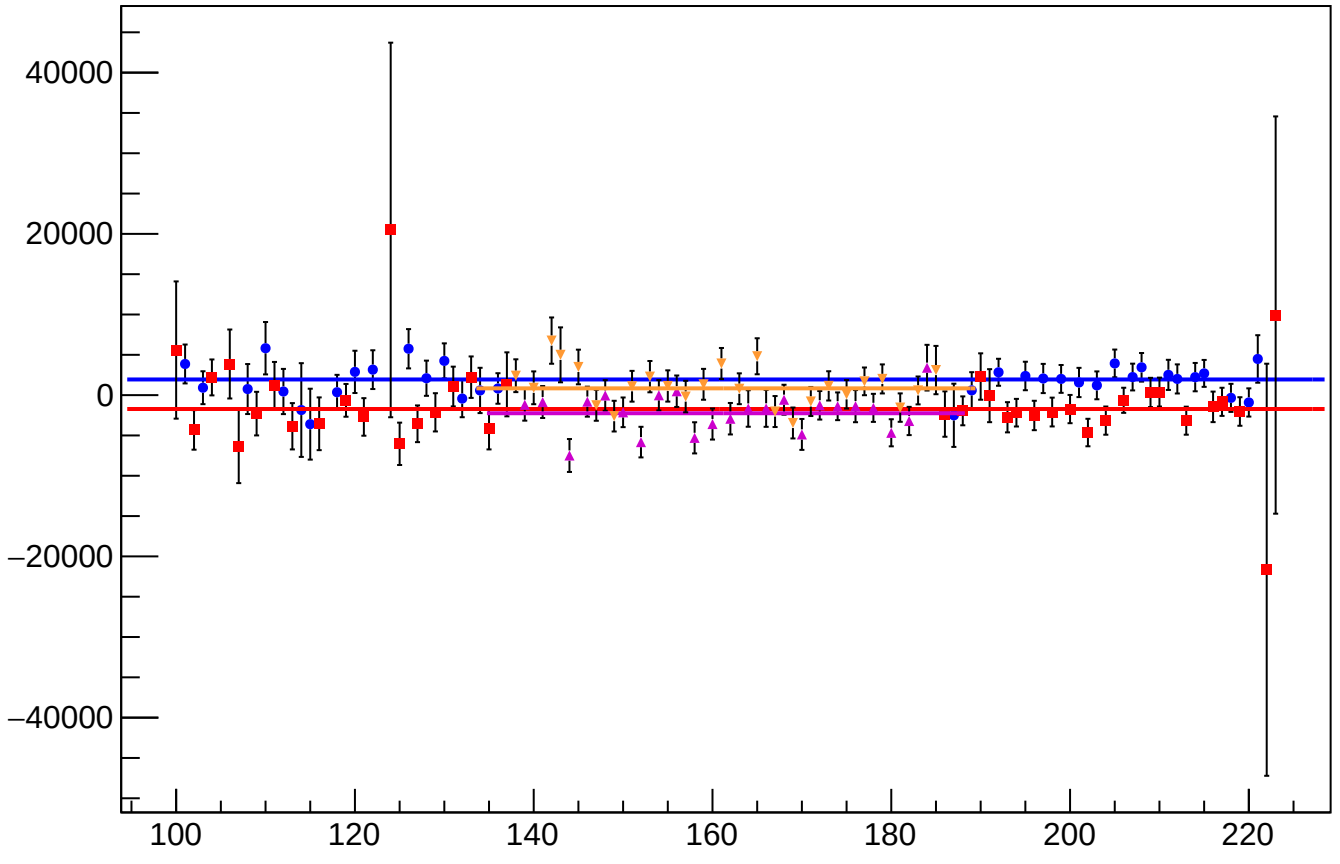
Right Out: 737.447+/-0.196 χ^2/NDF: 30024157.4/38

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1162.446+/-0.214 χ^2/NDF: 51866227.3/58

All: 1049.397+/-0.143 χ^2/NDF: 107671250.5

- sign 959.626+/-0.191 χ^2/NDF: 55306053.6/61



Right In: 1943.284+/-357.551 χ^2/NDF: 20.6/33

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1719.459+/-362.728 χ^2/NDF: 30.9/38

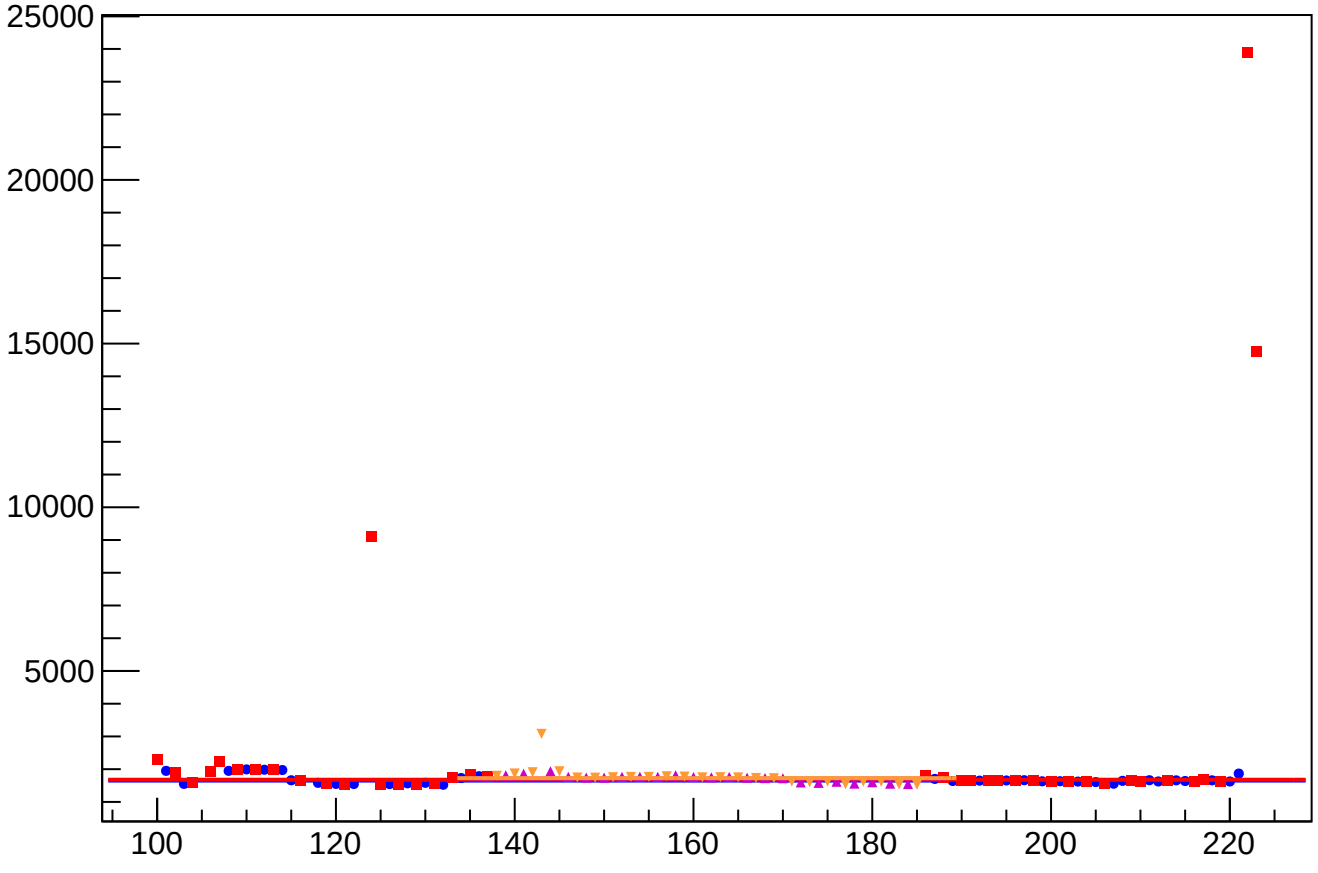
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1446.345+/-264.912 χ^2/NDF: 55.3/58

All: -229.304+/-188.725 χ^2/NDF: 197.8/120

- sign -1956.146+/-268.928 χ^2/NDF: 61.2/61

cor_asym_atl_avg_rms vs Slug



Right In: 1652.753+/-0.253 χ^2/NDF: 166605.1/33

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.882+/-0.256 χ^2/NDF: 2499641.9/38

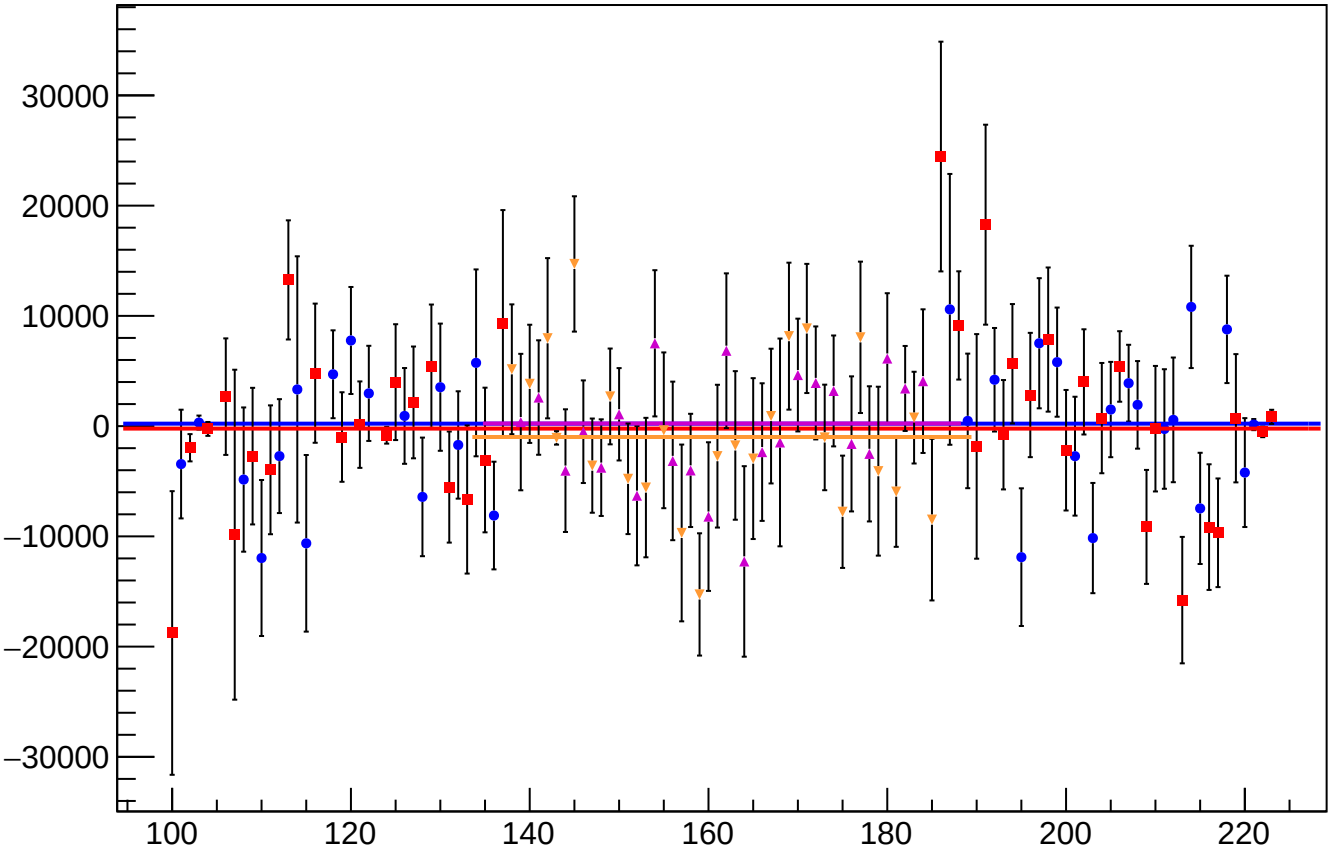
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.818+/-0.187 χ^2/NDF: 659454.4/58

All: 1689.724+/-0.133 χ^2/NDF: 3297796.3/12

- sign 1693.743+/-0.190 χ^2/NDF: 2637459.8/61

asym_atl_avg_cor_correction_mean vs Slug



Right In: 223.824+/-363.088 χ^2/NDF: 39.7/33

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -224.063+/-279.307 χ^2/NDF: 58.0/38

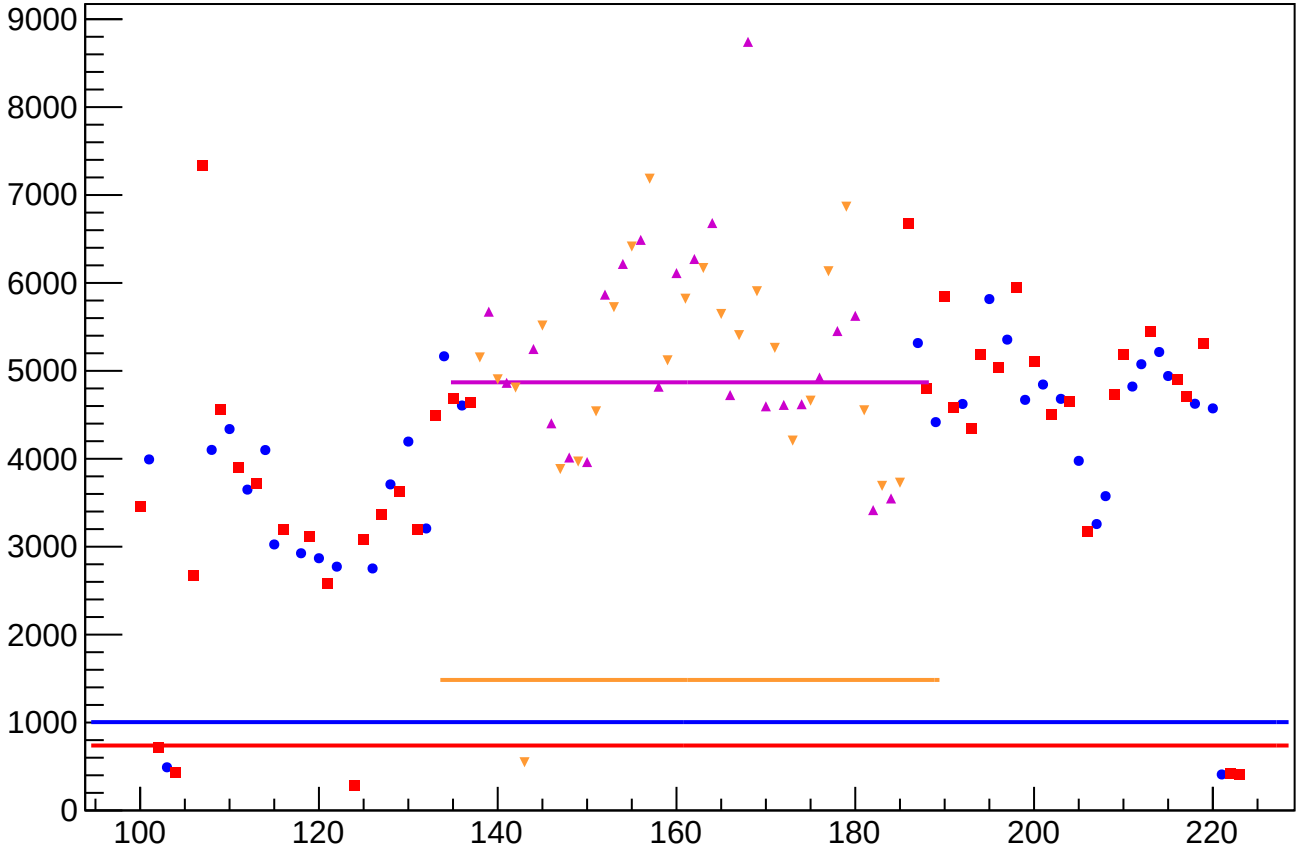
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -152.066+/-301.524 χ^2/NDF: 74.0/58

All: -177.904+/-201.807 χ^2/NDF: 145.6/120

- sign -198.869+/-271.611 χ^2/NDF: 71.7/61

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1004.735+/-0.257 χ^2/NDF: 27708232.5/33

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

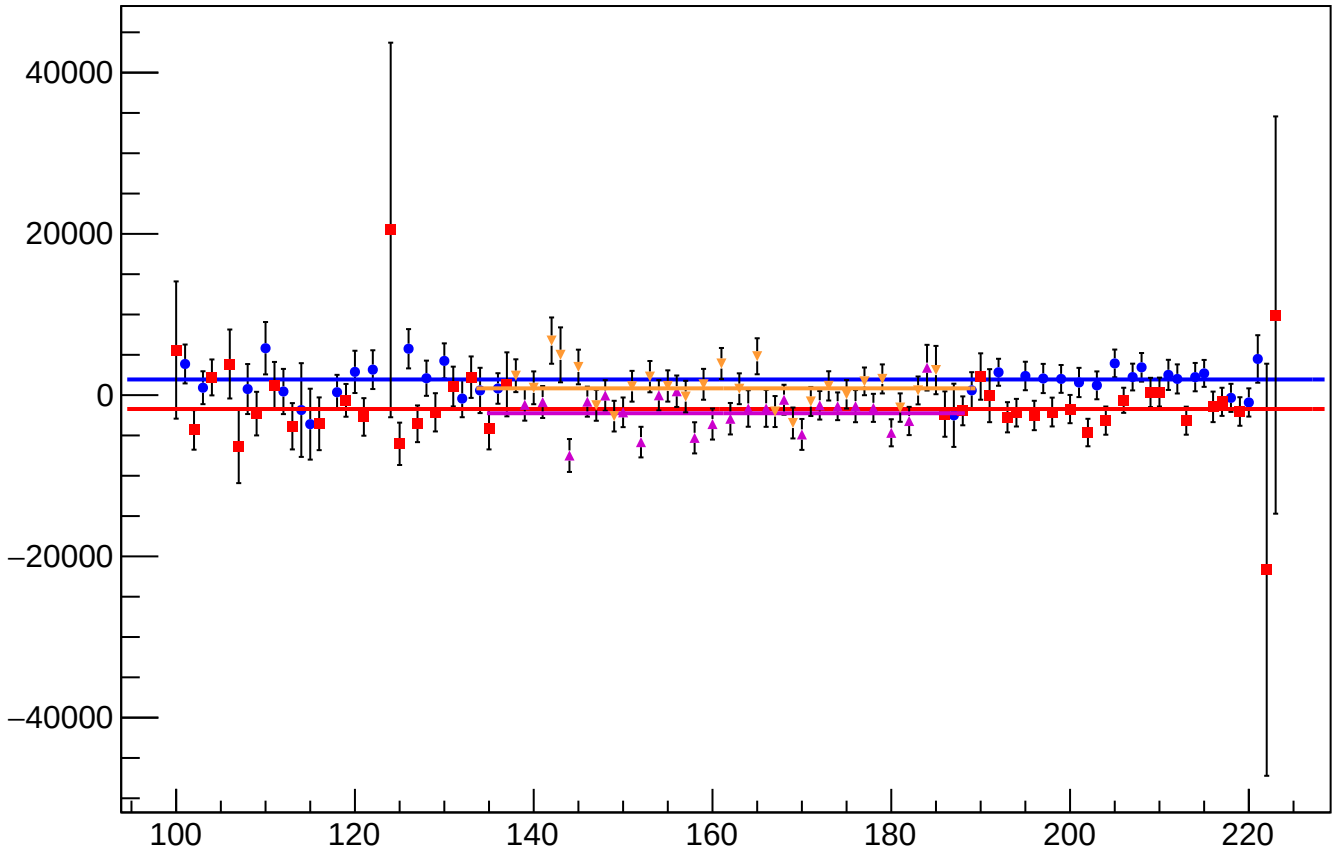
Right Out: 738.655+/-0.197 χ^2/NDF: 30301640.4/38

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1153.633+/-0.213 χ^2/NDF: 52017506.7/58

All: 1048.494+/-0.143 χ^2/NDF: 108012929.9

- sign 963.181+/-0.192 χ^2/NDF: 55554932.3/61



Right In: 1943.284+/-357.551 χ^2/NDF: 20.6/33

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1719.459+/-362.728 χ^2/NDF: 30.9/38

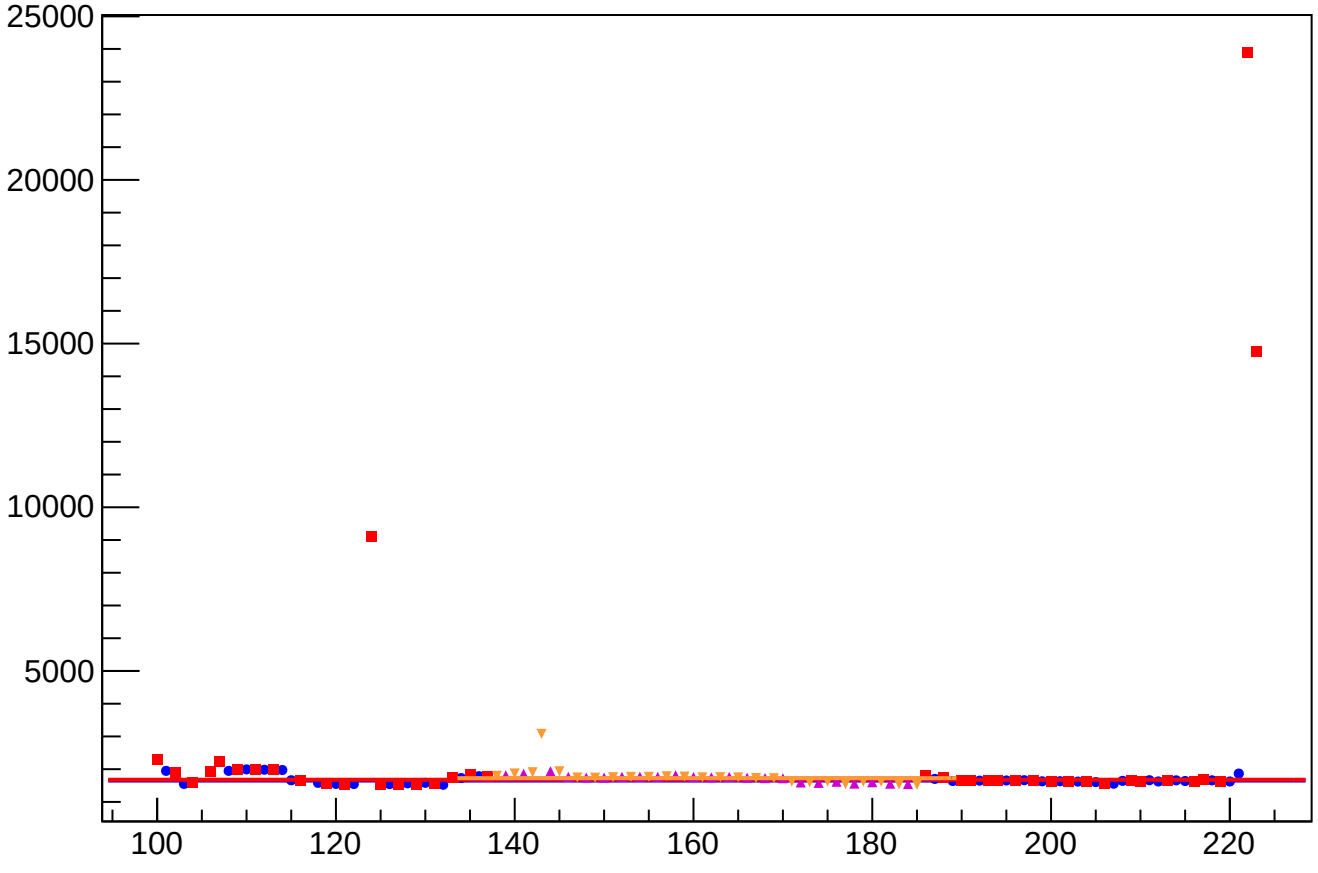
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1446.345+/-264.912 χ^2/NDF: 55.3/58

All: -229.304+/-188.725 χ^2/NDF: 197.8/120

- sign -1956.146+/-268.928 χ^2/NDF: 61.2/61

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1652.753+/-0.253 χ^2/NDF: 166605.1/33

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.882+/-0.256 χ^2/NDF: 2499641.9/38

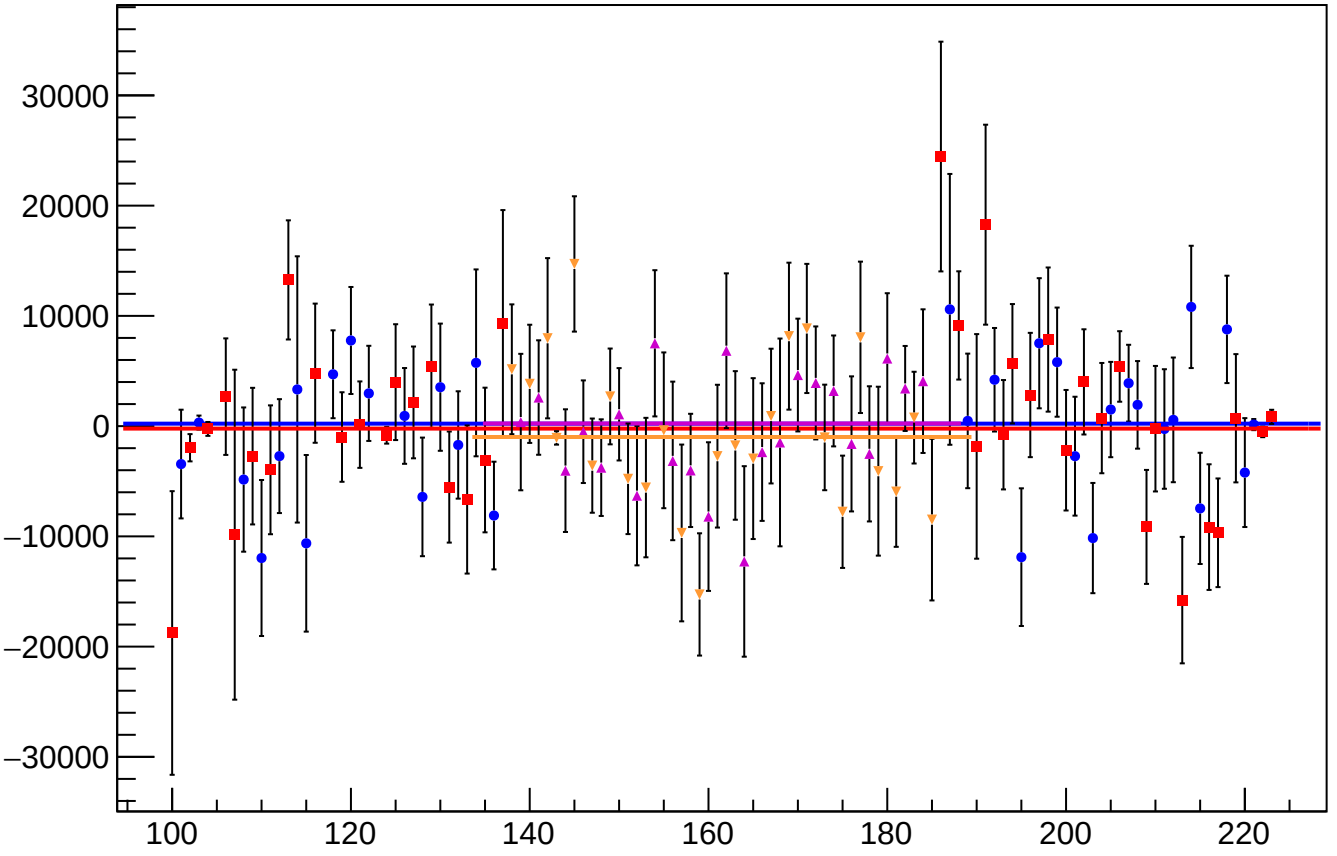
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.818+/-0.187 χ^2/NDF: 659454.4/58

All: 1689.724+/-0.133 χ^2/NDF: 3297796.3/12

- sign 1693.743+/-0.190 χ^2/NDF: 2637459.8/61

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 223.824+/-363.088 χ^2/NDF: 39.7/33

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -224.063+/-279.307 χ^2/NDF: 58.0/38

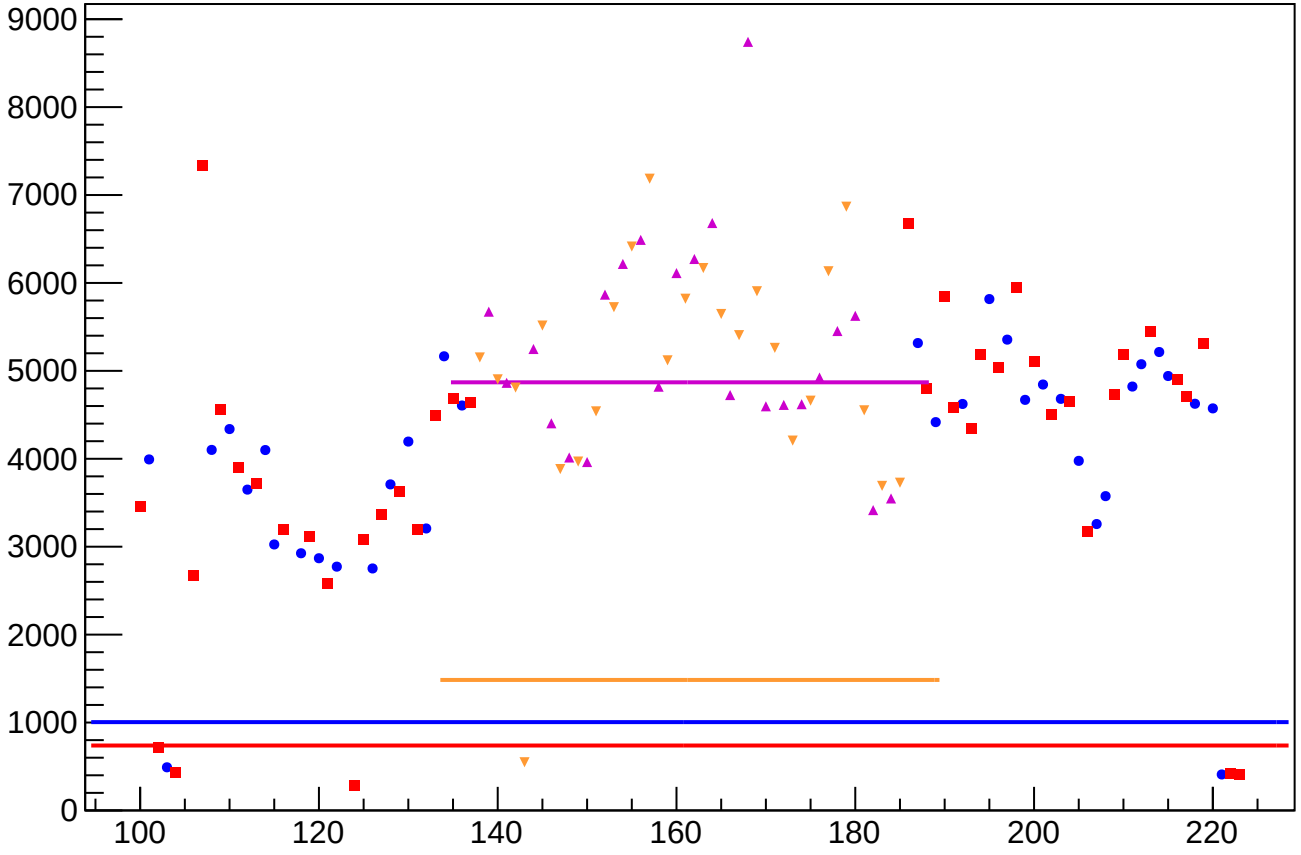
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -152.066+/-301.524 χ^2/NDF: 74.0/58

All: -177.904+/-201.807 χ^2/NDF: 145.6/120

\- sign -198.869+/-271.611 χ^2/NDF: 71.7/61

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1004.735+/-0.257 χ^2/NDF: 27708232.5/33

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 738.655+/-0.197 χ^2/NDF: 30301640.4/38

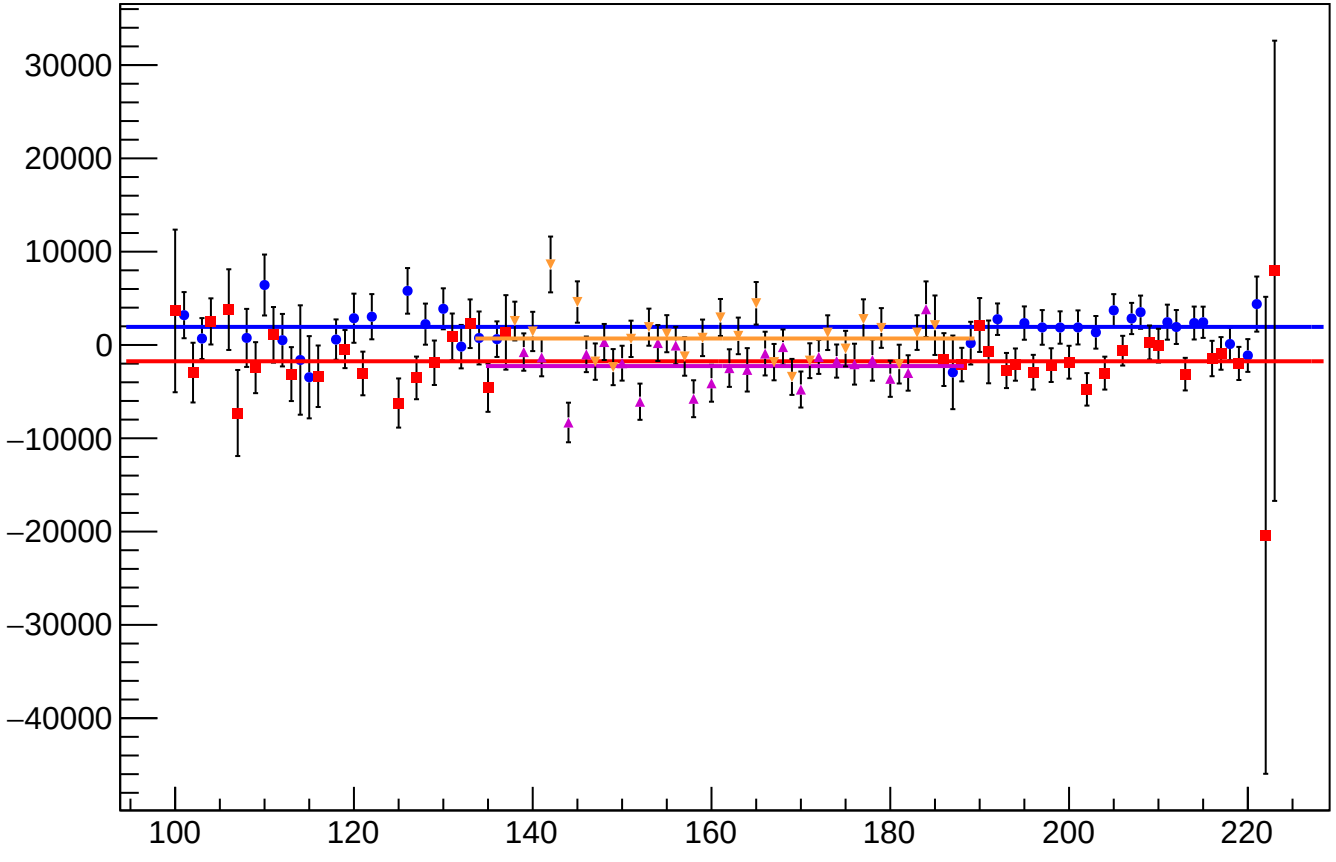
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1153.633+/-0.213 χ^2/NDF: 52017506.7/58

All: 1048.494+/-0.143 χ^2/NDF: 108012929.9

- sign 963.181+/-0.192 χ^2/NDF: 55554932.3/61

dit_asym_atl_avg_mean vs Slug



Right In: 1936.919+/-360.982 χ^2/NDF: 19.9/33

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1746.616+/-368.332 χ^2/NDF: 27.9/37

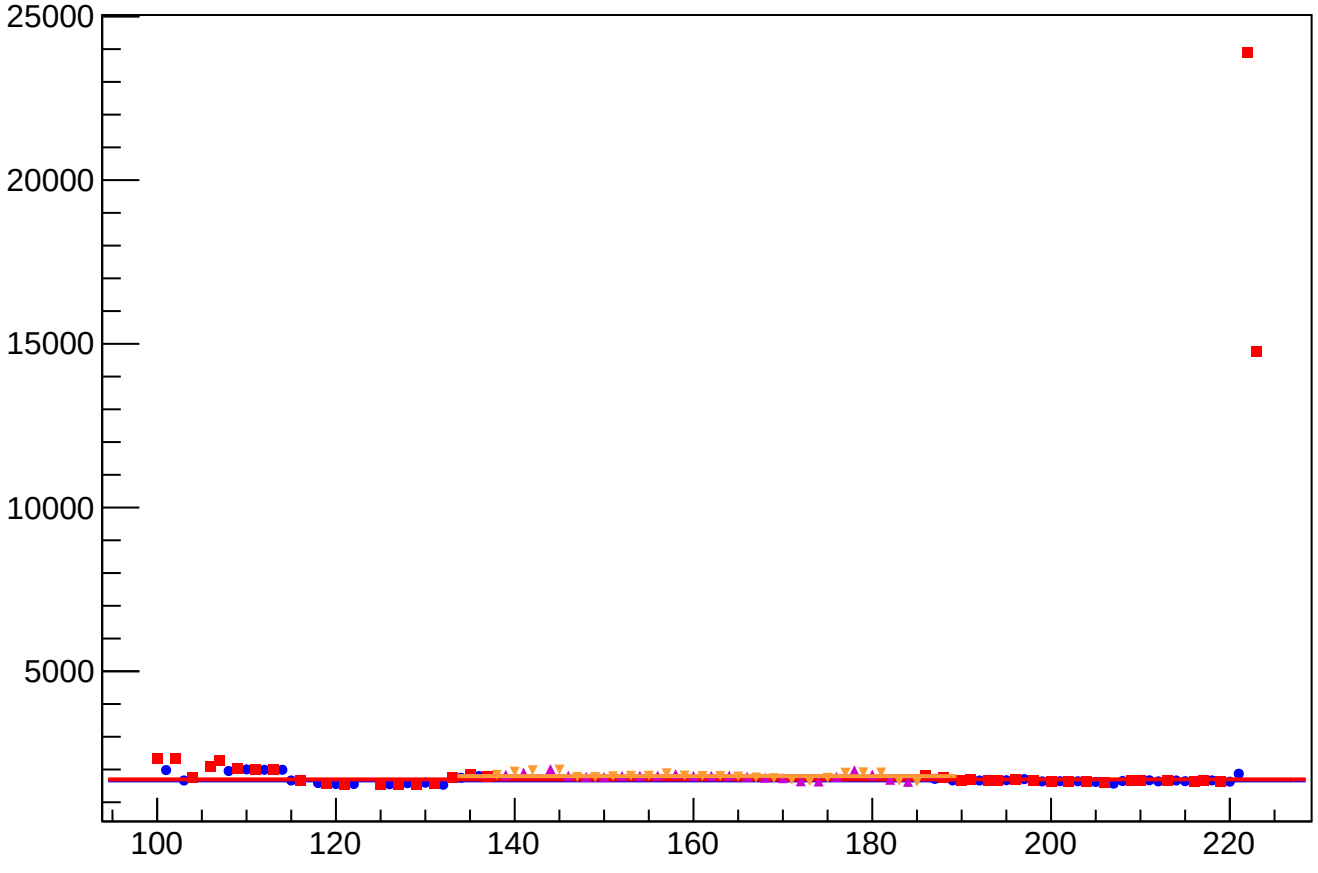
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1406.159+/-273.220 χ^2/NDF: 57.2/57

All: -261.145+/-194.411 χ^2/NDF: 191.8/118

- sign -1971.069+/-276.690 χ^2/NDF: 59.2/60

dit_asym_atl_avg_rms vs Slug



Right In: 1668.138+/-0.255 χ^2/NDF: 163416.3/33

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1697.859+/-0.260 χ^2/NDF: 2363743.5/37

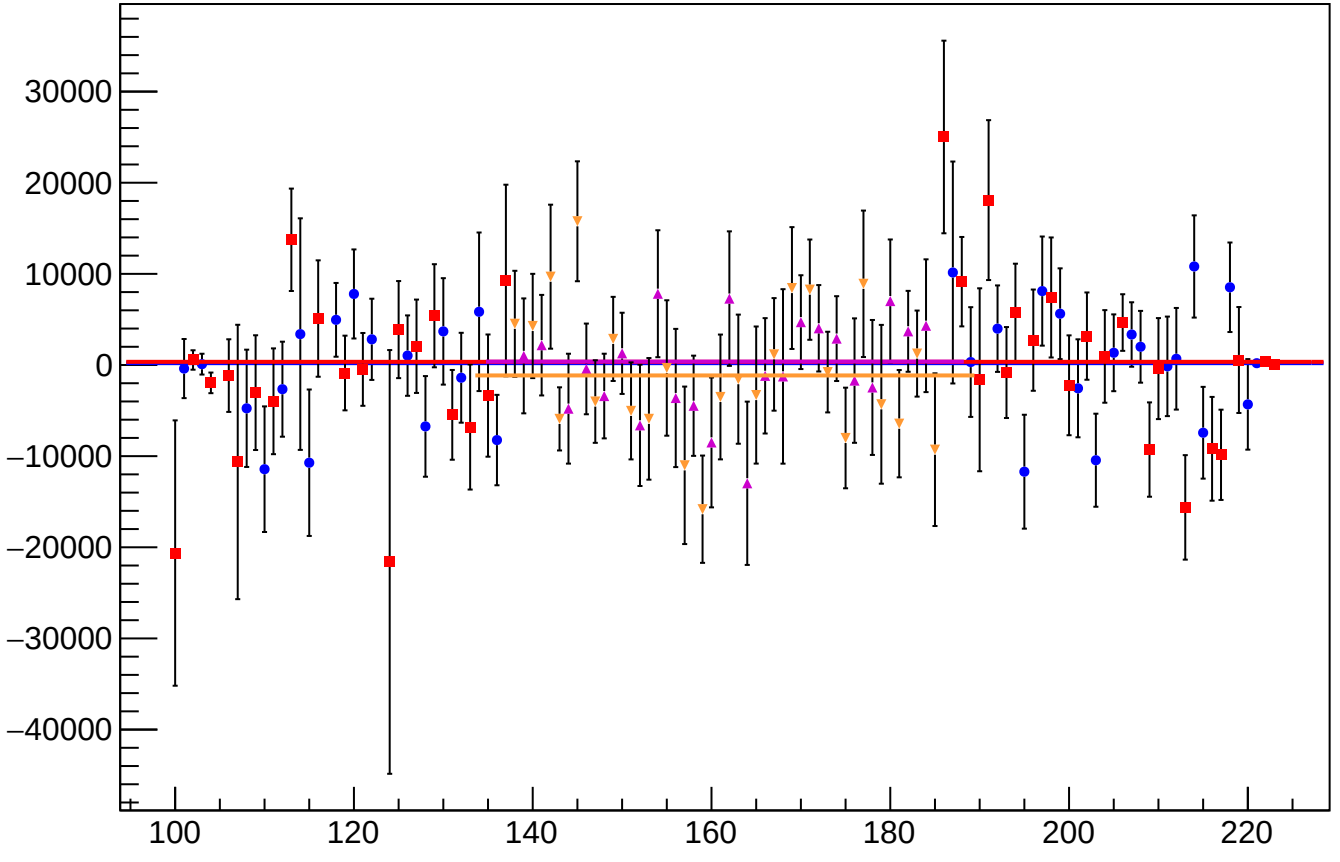
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1723.568+/-0.193 χ^2/NDF: 371821.1/57

All: 1731.210+/-0.137 χ^2/NDF: 2889113.1/11

- sign 1739.040+/-0.196 χ^2/NDF: 2514124.5/60

asym_atl_avg_dit_correction_mean vs Slug



Right In: 202.973+/-245.929 χ^2/NDF: 38.4/33

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 348.985+/-118.008 χ^2/NDF: 56.6/38

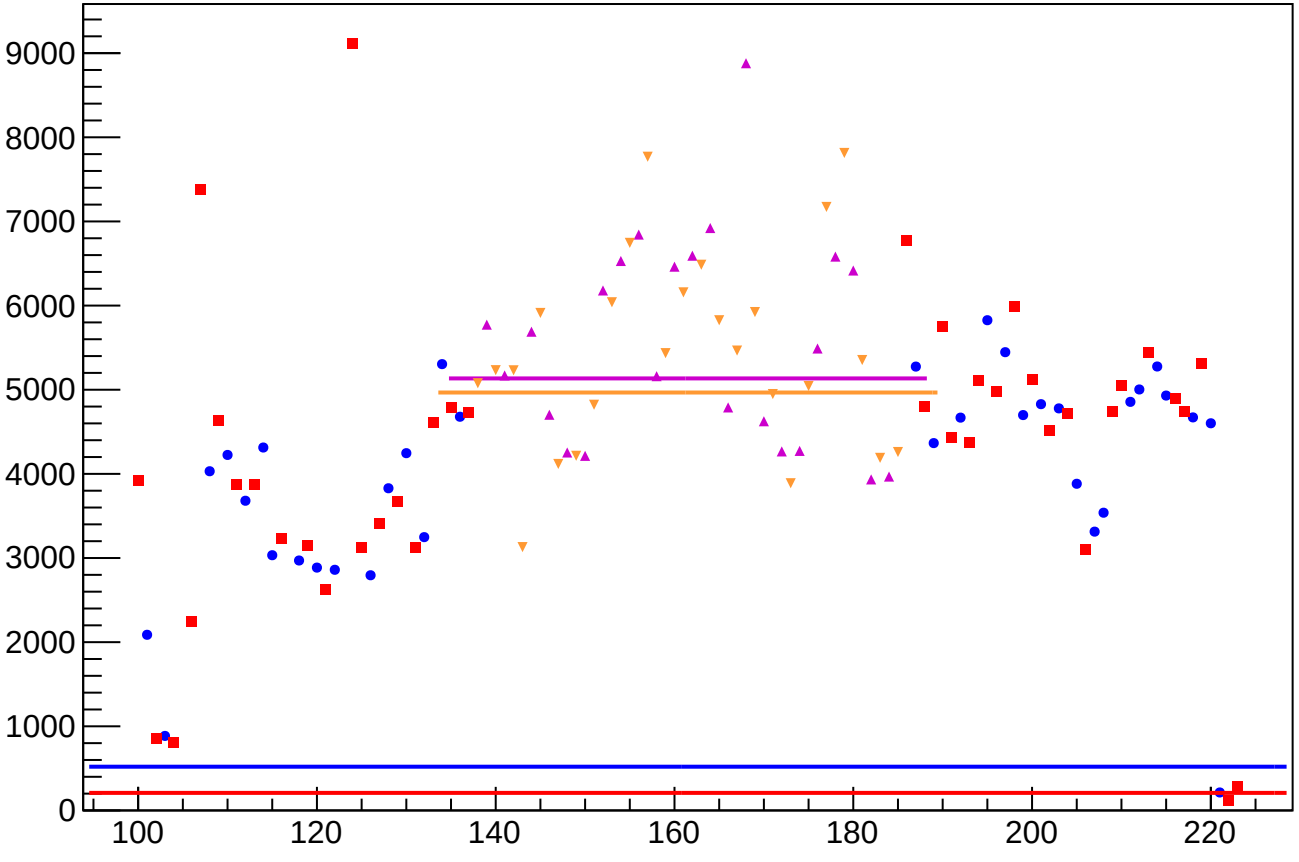
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign 145.441+/-240.622 χ^2/NDF: 72.2/58

All: 310.003+/-105.560 χ^2/NDF: 142.6/120

\- sign 349.222+/-117.468 χ^2/NDF: 69.8/61

asym_atl_avg_dit_correction_rms vs Slug



Right In: 520.044+/-0.174 χ^2/NDF: 33659934.6/33

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 208.772+/-0.083 χ^2/NDF: 39206880.5/38

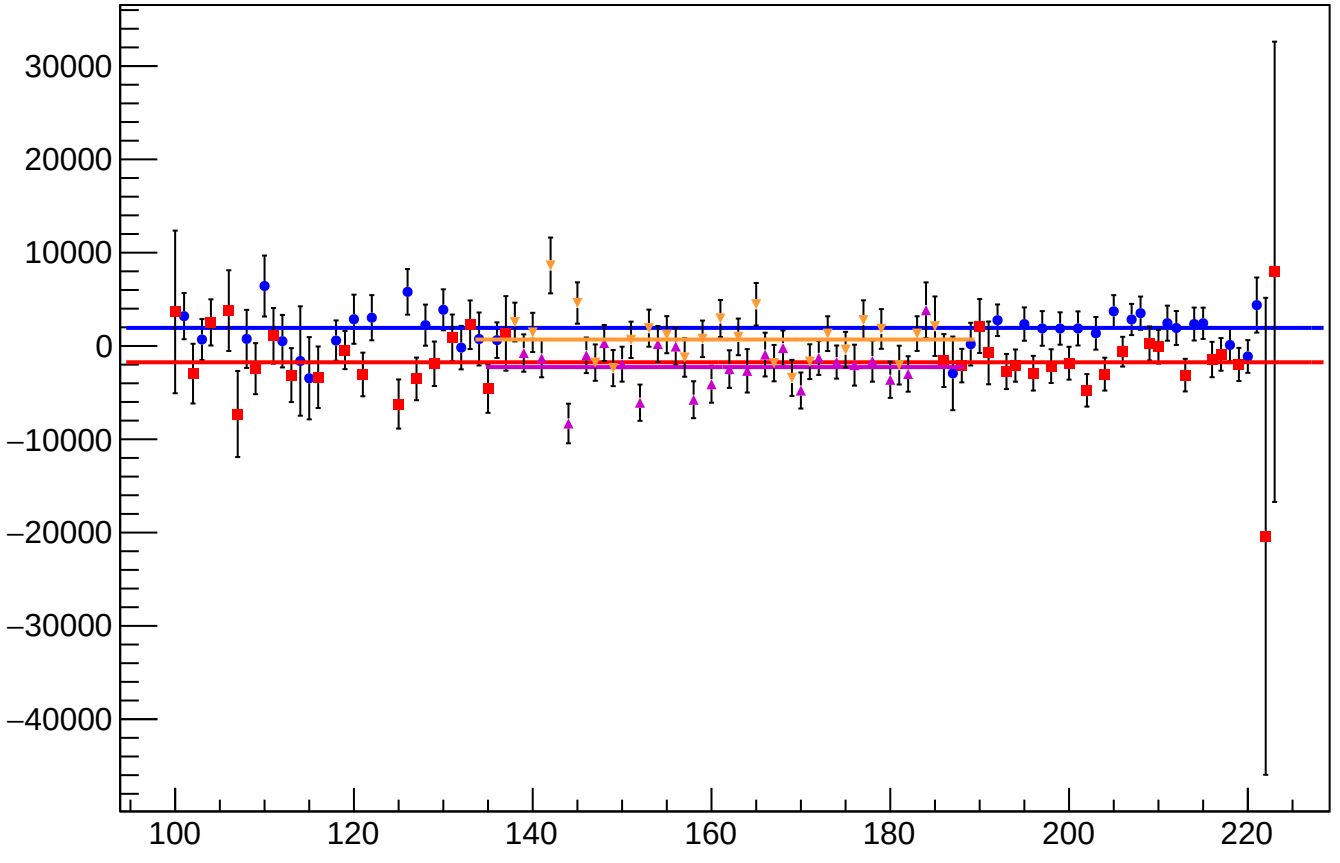
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 709.921+/-0.170 χ^2/NDF: 63498976.7/58

All: 341.577+/-0.075 χ^2/NDF: 141844589.0/1

- sign 253.792+/-0.083 χ^2/NDF: 72541959.6/61

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1936.917+/-360.982 χ^2/NDF: 19.9/33

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1746.612+/-368.332 χ^2/NDF: 27.9/37

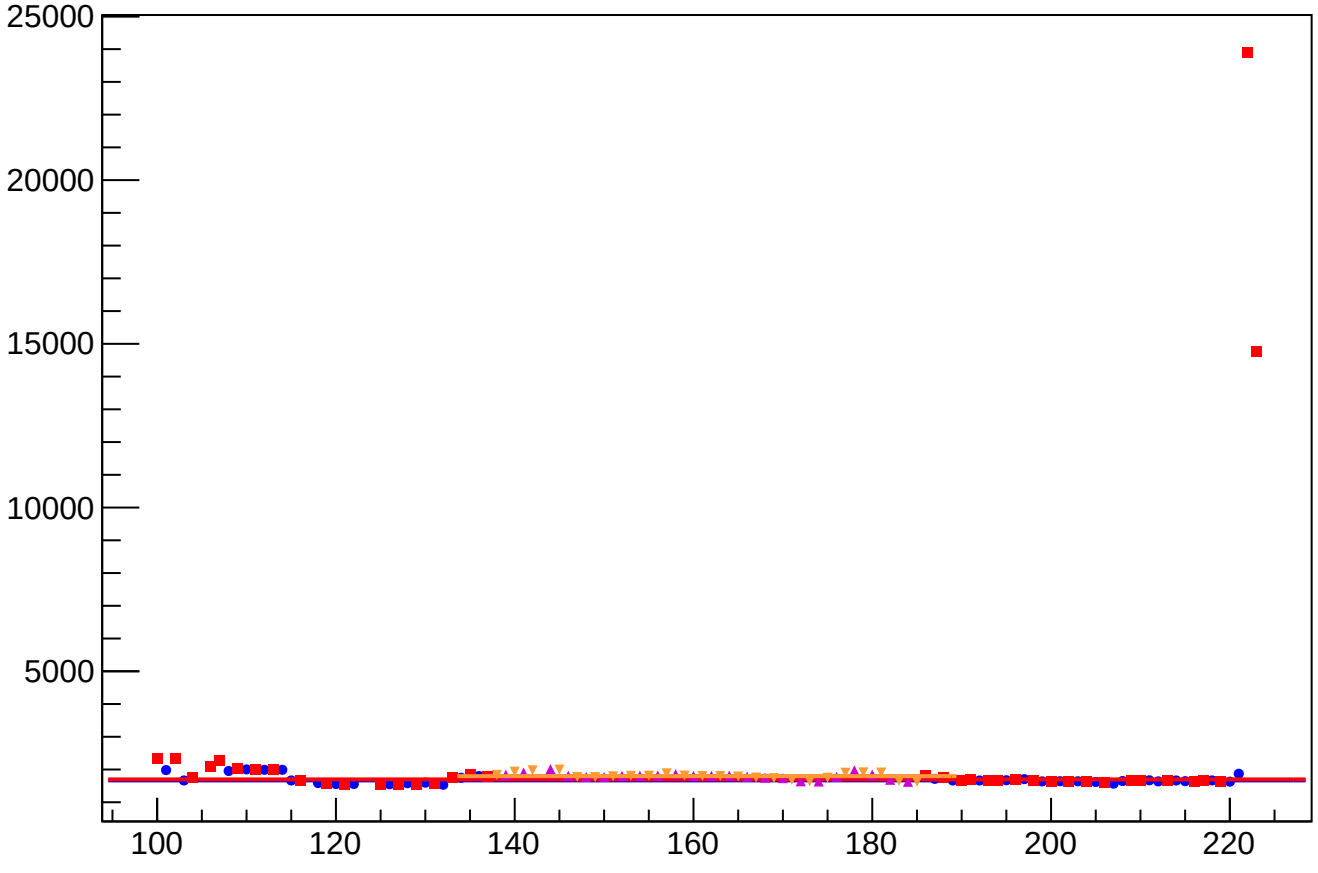
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1406.157+/-273.220 χ^2/NDF: 57.2/57

All: -261.145+/-194.411 χ^2/NDF: 191.8/118

- sign -1971.067+/-276.690 χ^2/NDF: 59.2/60

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1668.138+/-0.255 χ^2/NDF: 163416.5/33

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

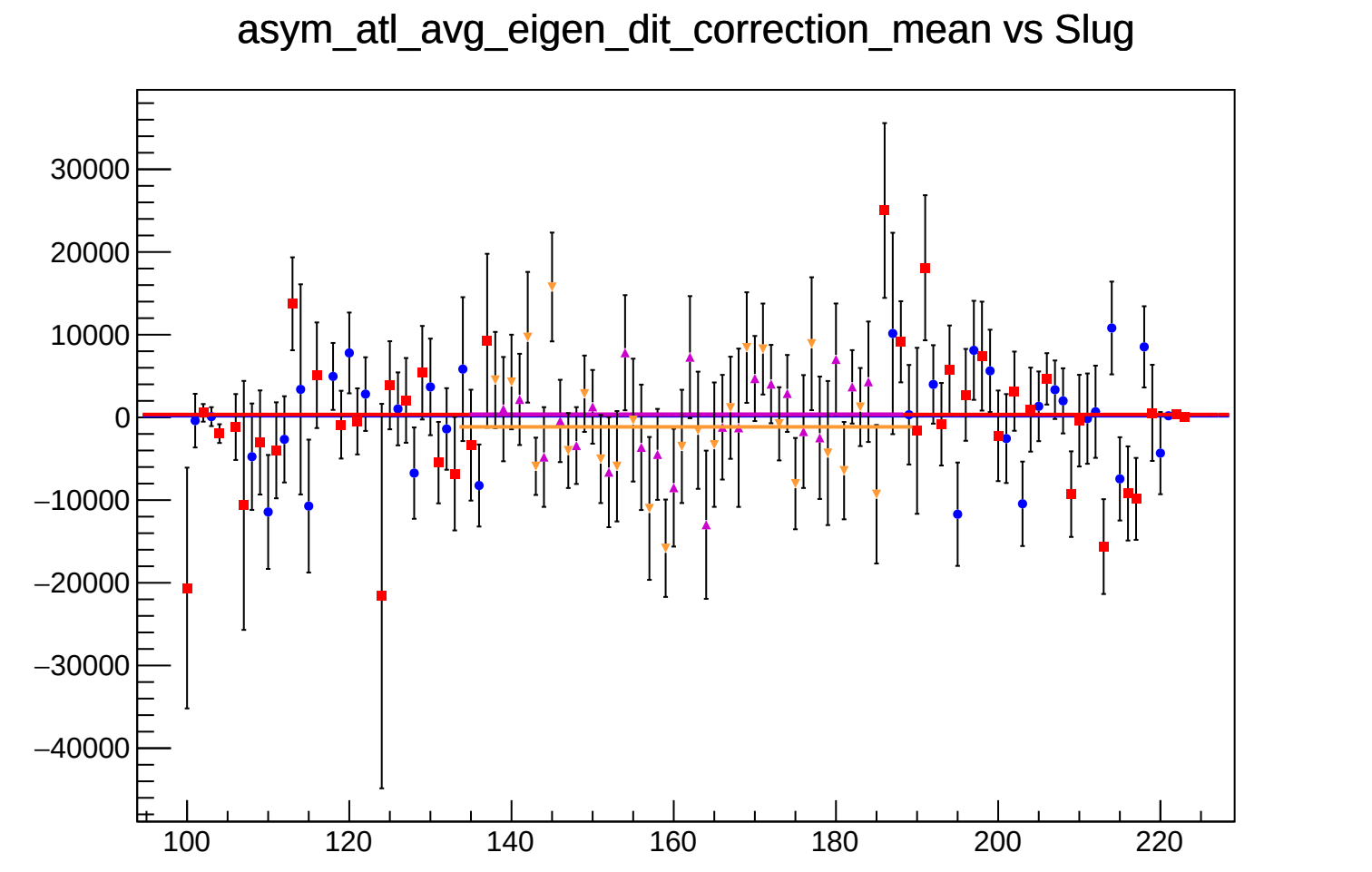
Right Out: 1697.859+/-0.260 χ^2/NDF: 2363743.0/37

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1723.569+/-0.193 χ^2/NDF: 371827.0/57

All: 1731.210+/-0.137 χ^2/NDF: 2889123.5/11

- sign 1739.040+/-0.196 χ^2/NDF: 2514129.0/60



Right In: 202.971+/-245.929 χ^2/NDF: 38.4/33

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 348.984+/-118.008 χ^2/NDF: 56.6/38

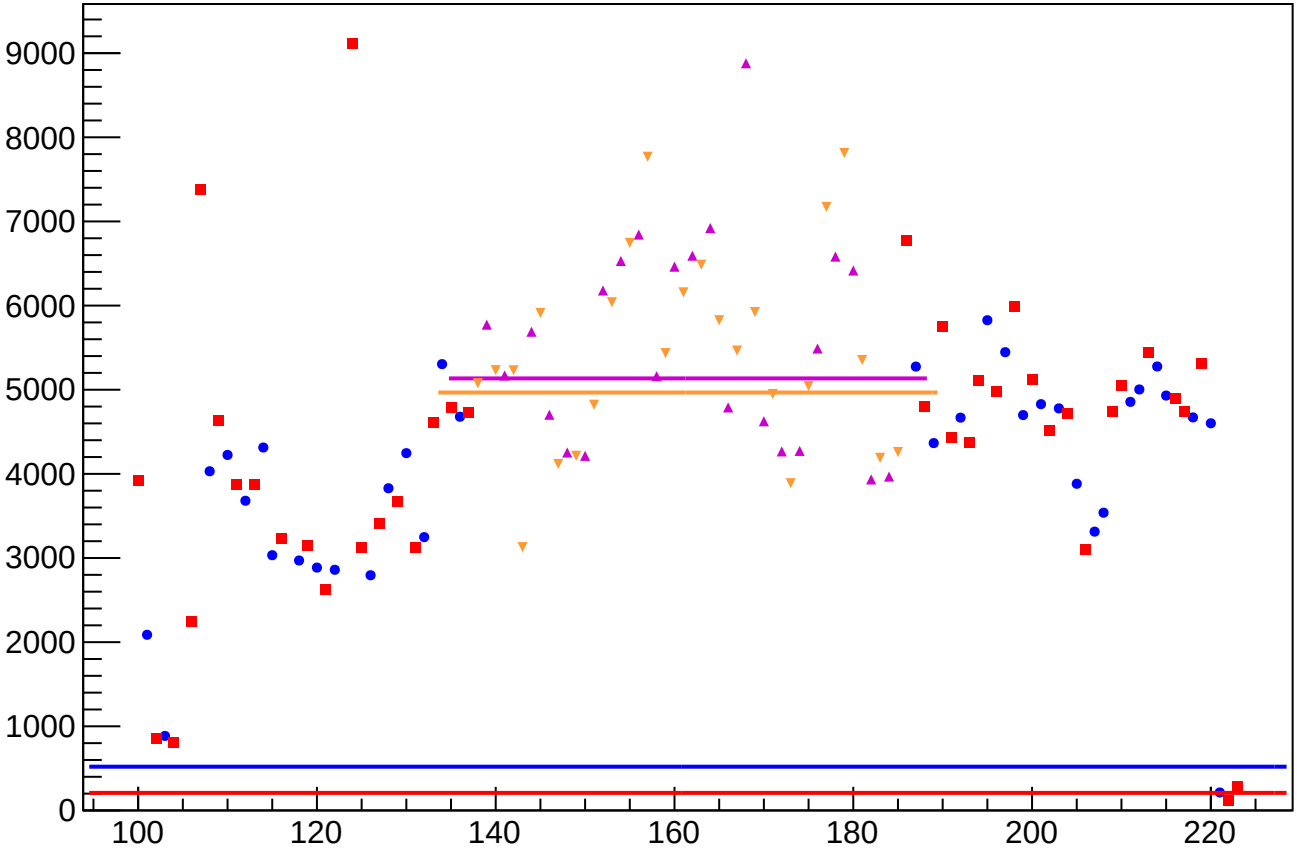
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign 145.439+/-240.621 χ^2/NDF: 72.2/58

All: 310.002+/-105.560 χ^2/NDF: 142.6/120

\- sign 349.221+/-117.467 χ^2/NDF: 69.8/61

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 520.043+/-0.174 χ^2/NDF: 33659942.4/33

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 208.771+/-0.083 χ^2/NDF: 39206875.8/38

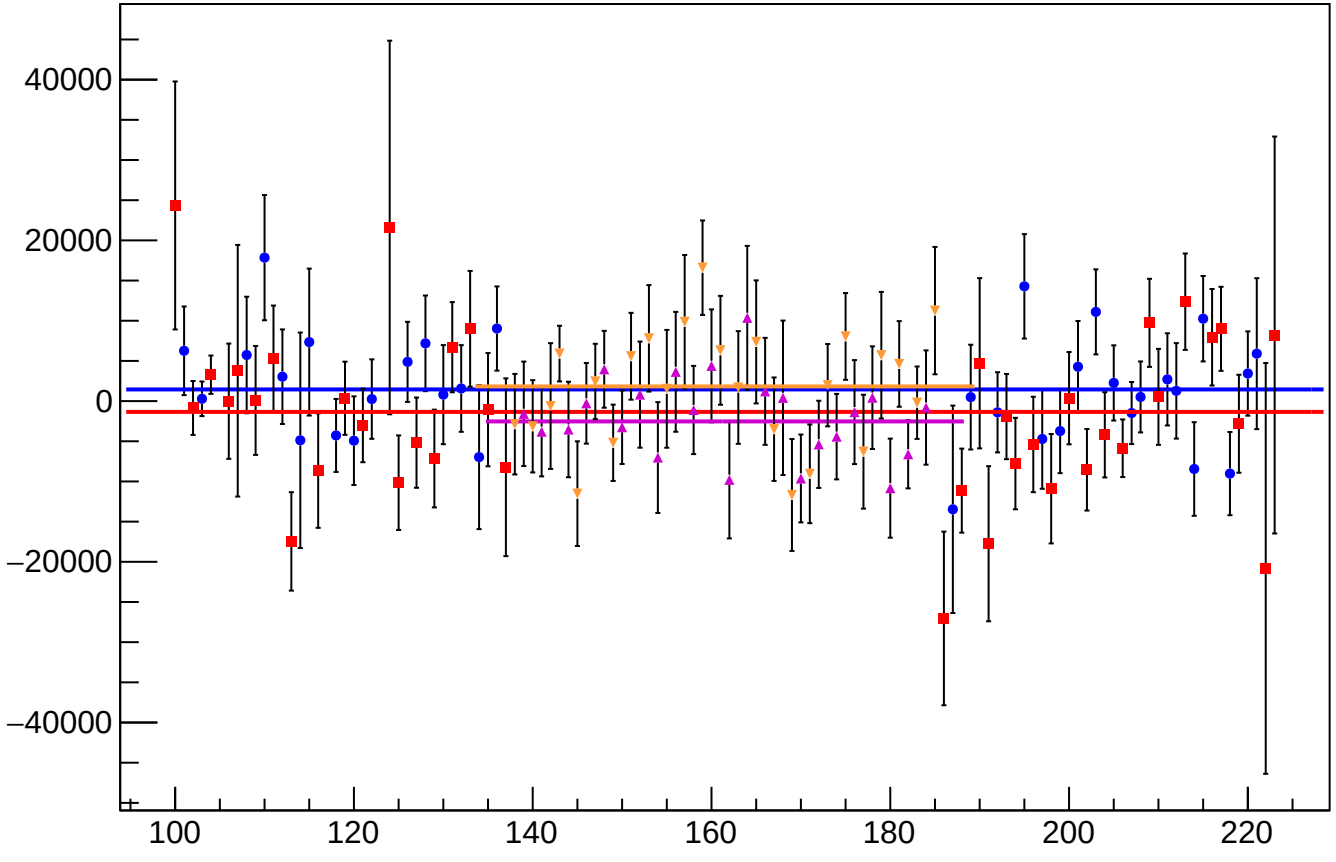
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 709.919+/-0.170 χ^2/NDF: 63499013.5/58

All: 341.576+/-0.075 χ^2/NDF: 141844617.9/1

- sign 253.792+/-0.083 χ^2/NDF: 72541965.0/61

asym_atl_avg_mean vs Slug



Right In: 1450.207+/-903.255 χ^2/NDF: 35.8/33

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1343.691+/-914.402 χ^2/NDF: 61.7/38

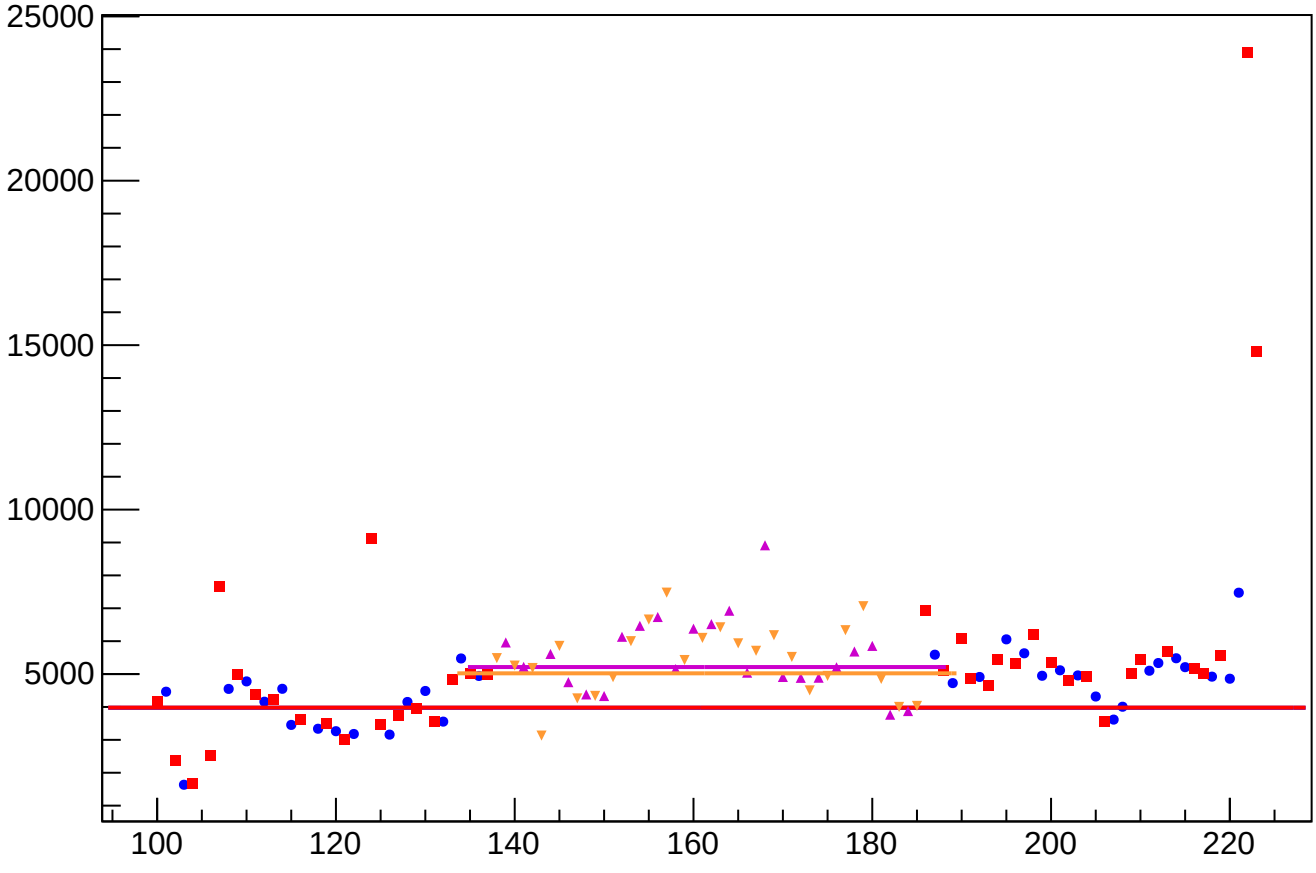
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1590.244+/-715.543 χ^2/NDF: 67.0/58

All: -37.079+/-513.169 χ^2/NDF: 153.1/120

- sign -1760.496+/-736.367 χ^2/NDF: 75.5/61

asym_atl_avg_rms vs Slug



Right In: 3975.153+/-0.639 χ^2/NDF: 4301275.8/33

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3980.112+/-0.641 χ^2/NDF: 6317523.4/38

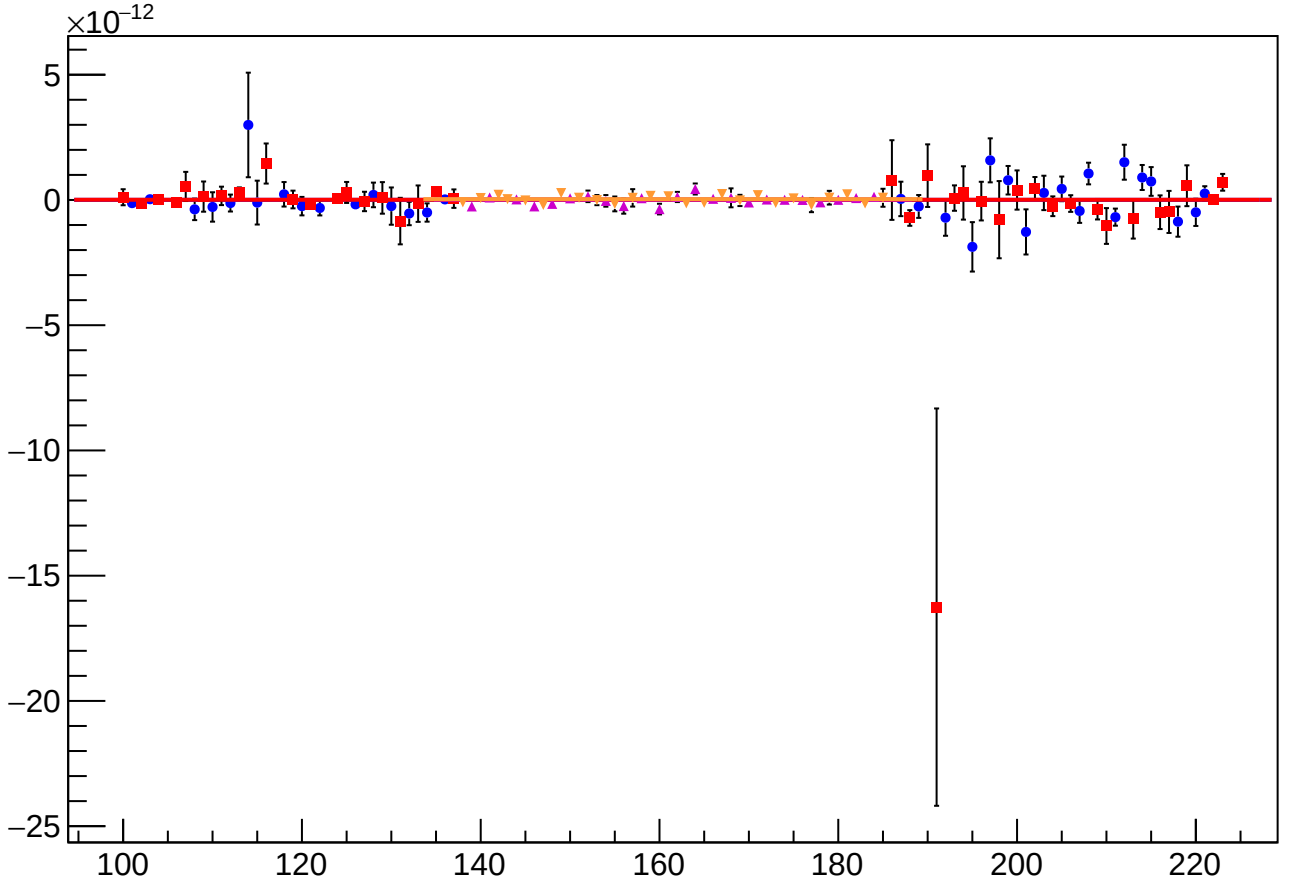
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4365.197+/-0.506 χ^2/NDF: 6979216.1/58

All: 4386.530+/-0.362 χ^2/NDF: 15810533.7/1

- sign 4408.871+/-0.518 χ^2/NDF: 8827678.2/61

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 47.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

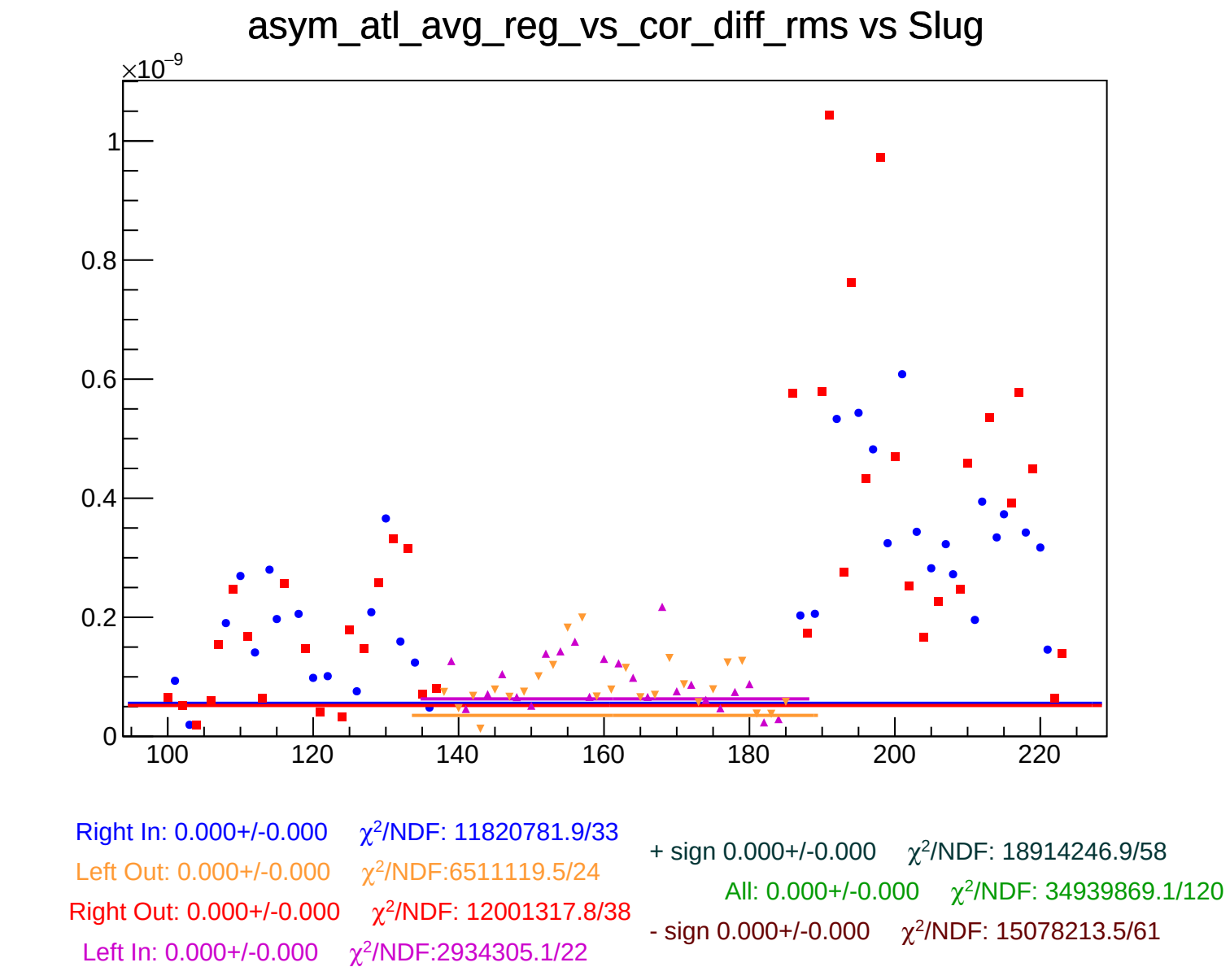
Right Out: 0.000+/-0.000 χ^2/NDF: 37.3/38

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

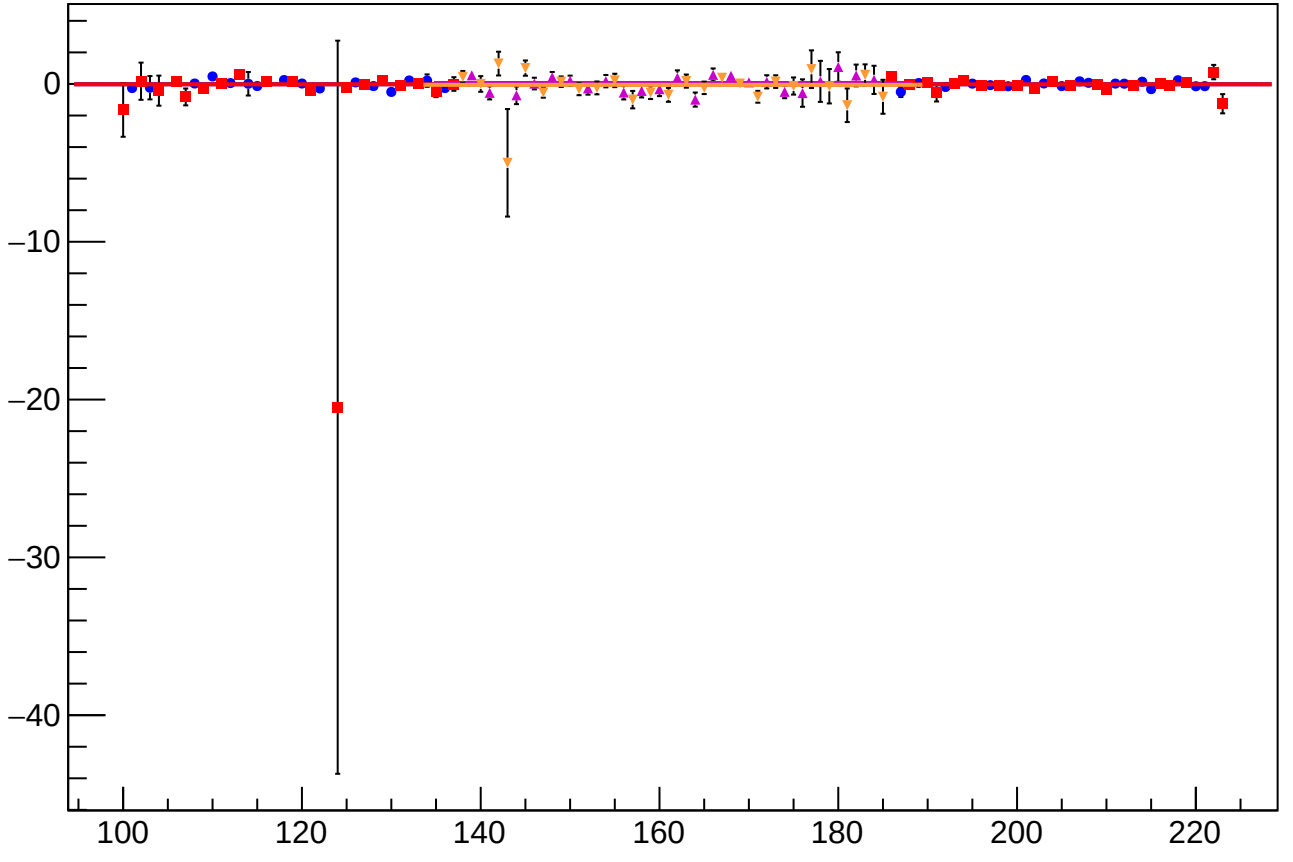
+ sign 0.000+/-0.000 χ^2/NDF: 73.3/58

All: 0.000+/-0.000 χ^2/NDF: 130.0/120

- sign 0.000+/-0.000 χ^2/NDF: 56.5/61


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11820781.9/33
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 12001317.8/38
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 18914246.9/58
All: 0.000+/-0.000 χ²/NDF: 34939869.1/120
- sign 0.000+/-0.000 χ²/NDF: 15078213.5/61

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 44.4/38

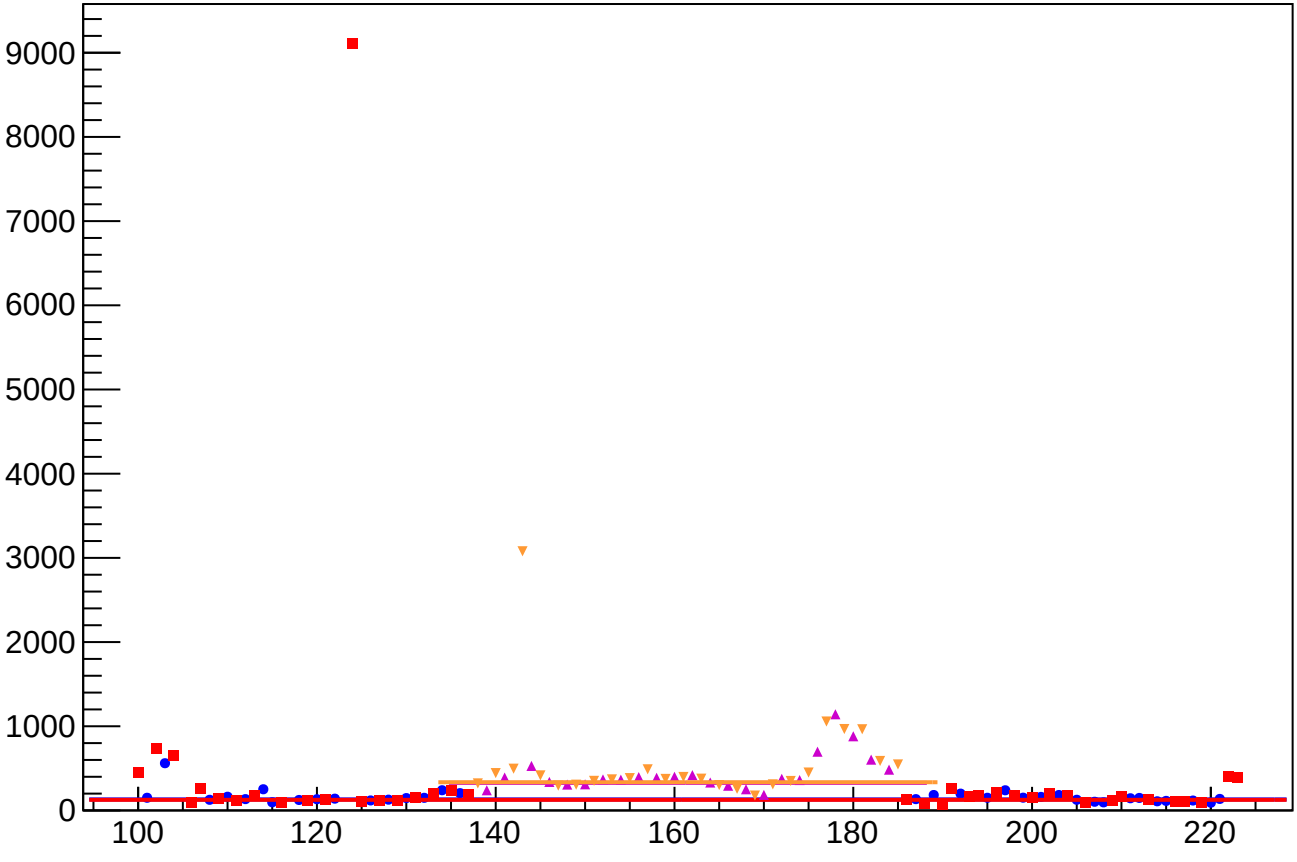
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.029 χ^2/NDF: 74.9/58

All: -0.016+/-0.020 χ^2/NDF: 148.2/120

- sign -0.011+/-0.028 χ^2/NDF: 73.3/61

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 131.164+/-0.022 χ^2/NDF: 2832479.3/33

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

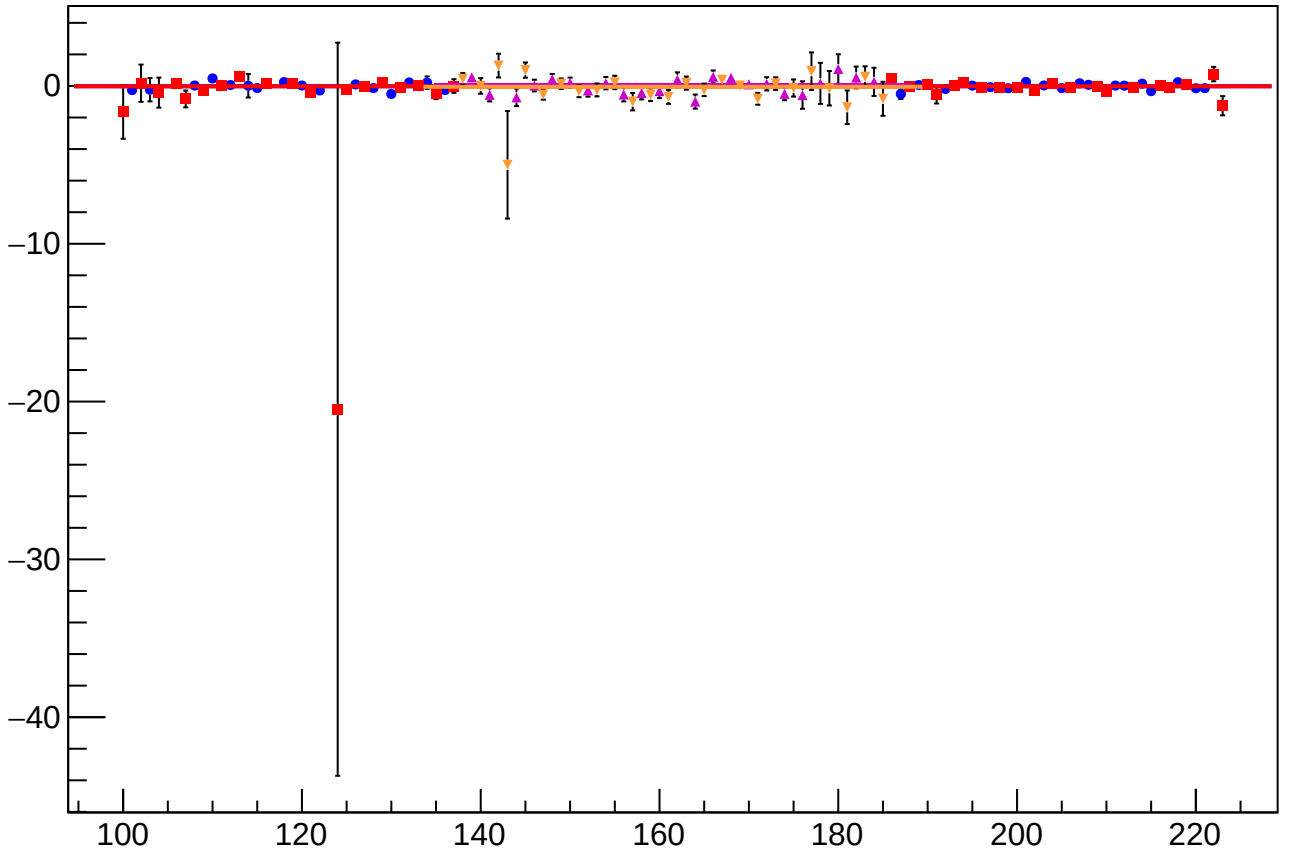
Right Out: 126.117+/-0.021 χ^2/NDF: 5624470.7/38

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 154.578+/-0.020 χ^2/NDF: 18976818.4/58

All: 151.954+/-0.014 χ^2/NDF: 39272282.2/12

- sign 149.424+/-0.020 χ^2/NDF: 20262530.2/61



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 44.4/38

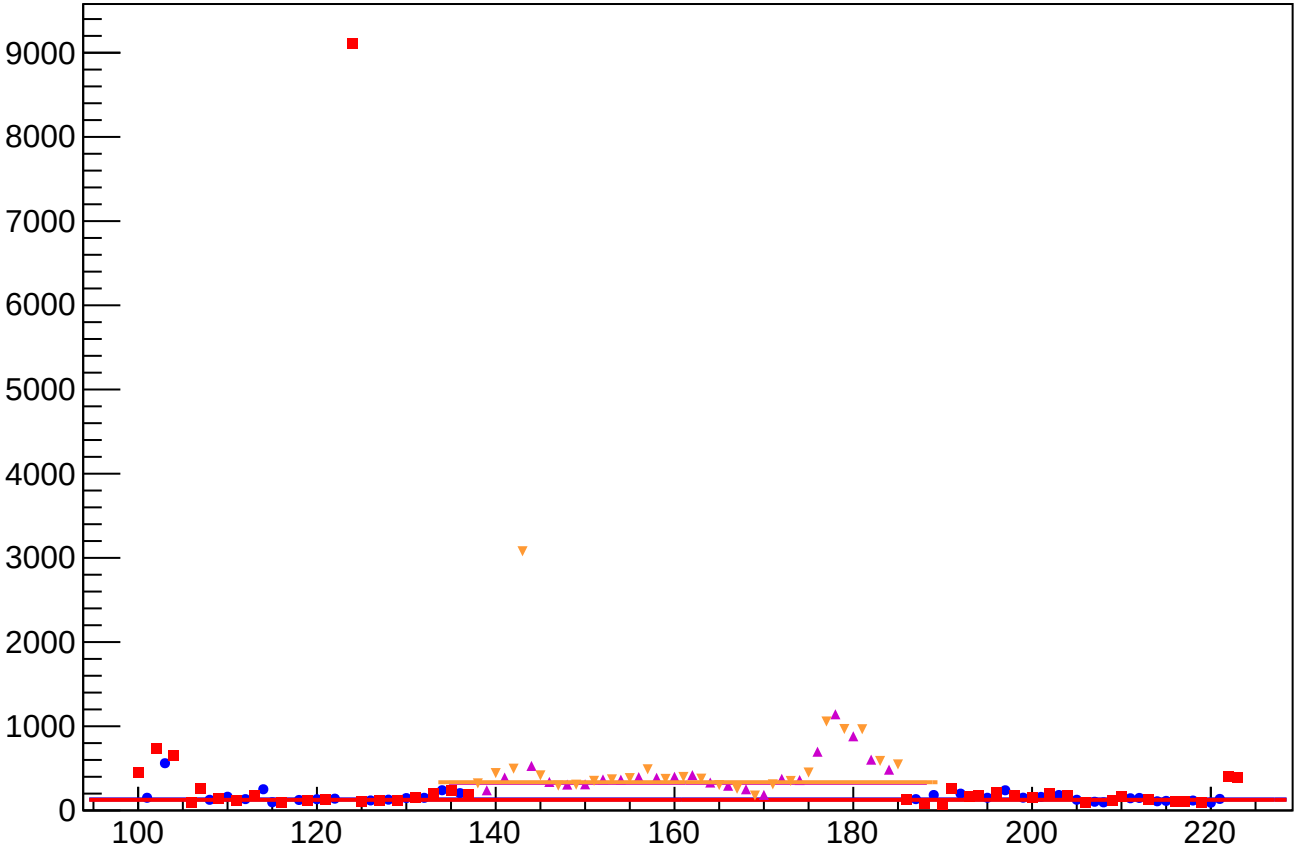
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.029 χ^2/NDF: 74.9/58

All: -0.016+/-0.020 χ^2/NDF: 148.2/120

- sign -0.011+/-0.028 χ^2/NDF: 73.3/61

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 131.164+/-0.022 χ^2/NDF: 2832479.3/33

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

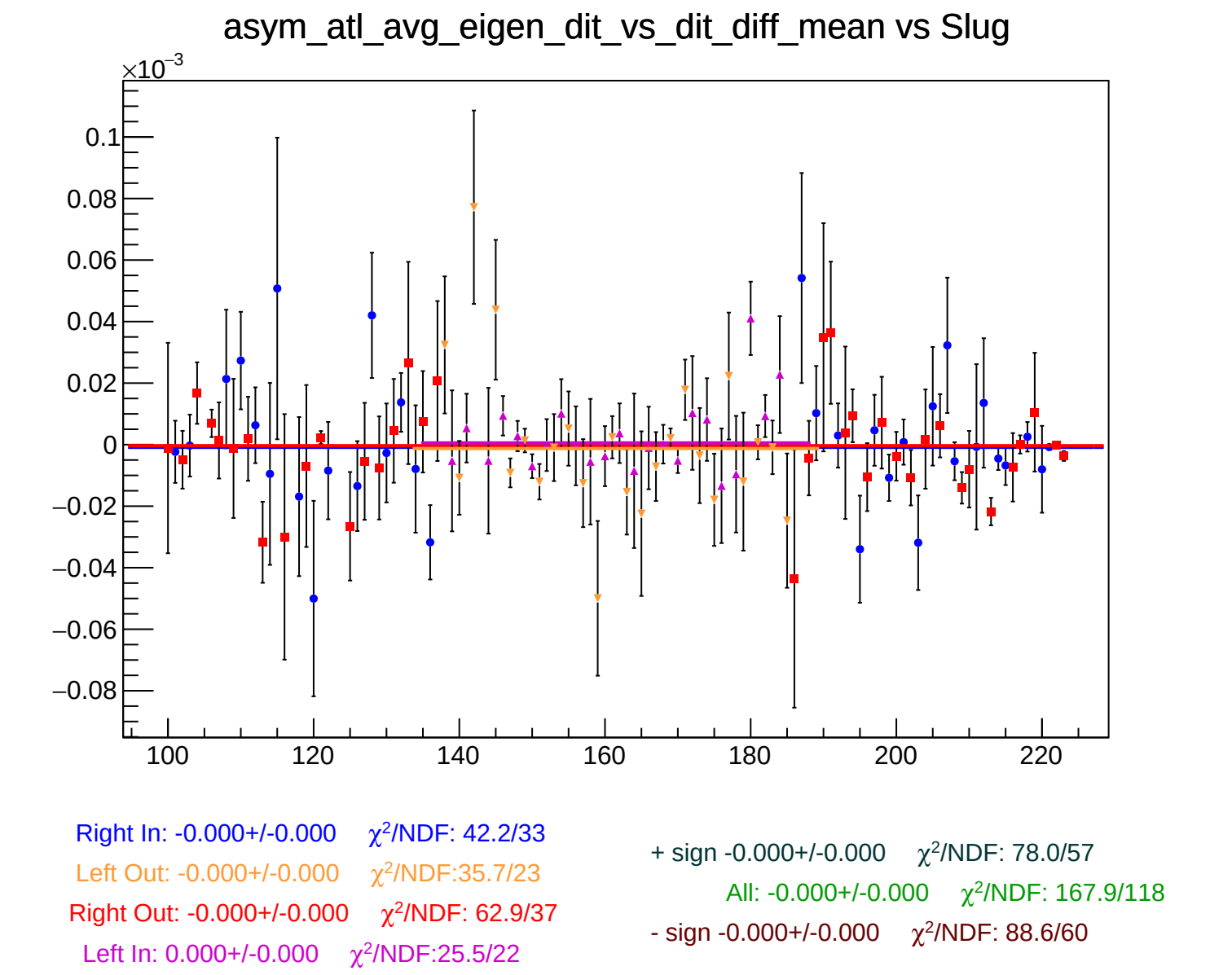
Right Out: 126.117+/-0.021 χ^2/NDF: 5624470.7/38

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

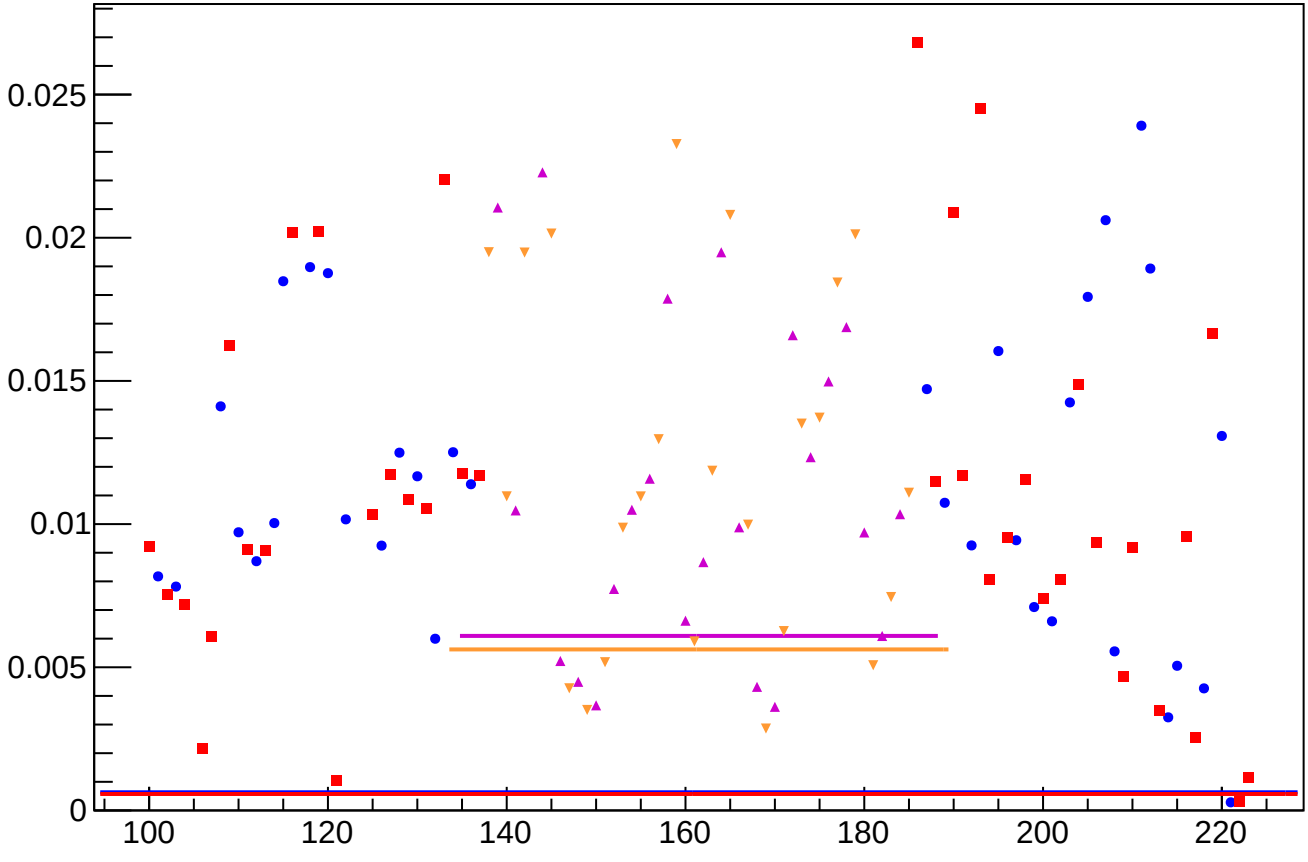
+ sign 154.578+/-0.020 χ^2/NDF: 18976818.4/58

All: 151.954+/-0.014 χ^2/NDF: 39272282.2/12

- sign 149.424+/-0.020 χ^2/NDF: 20262530.2/61


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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
220
Right In: -0.000+/-0.000 χ²/NDF: 42.2/33
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 62.9/37
Left In: 0.000+/-0.000 χ²/NDF:25.5/22
+ sign -0.000+/-0.000 χ²/NDF: 78.0/57
All: -0.000+/-0.000 χ²/NDF: 167.9/118
- sign -0.000+/-0.000 χ²/NDF: 88.6/60

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 35634593.0/33

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 34886381.4/37

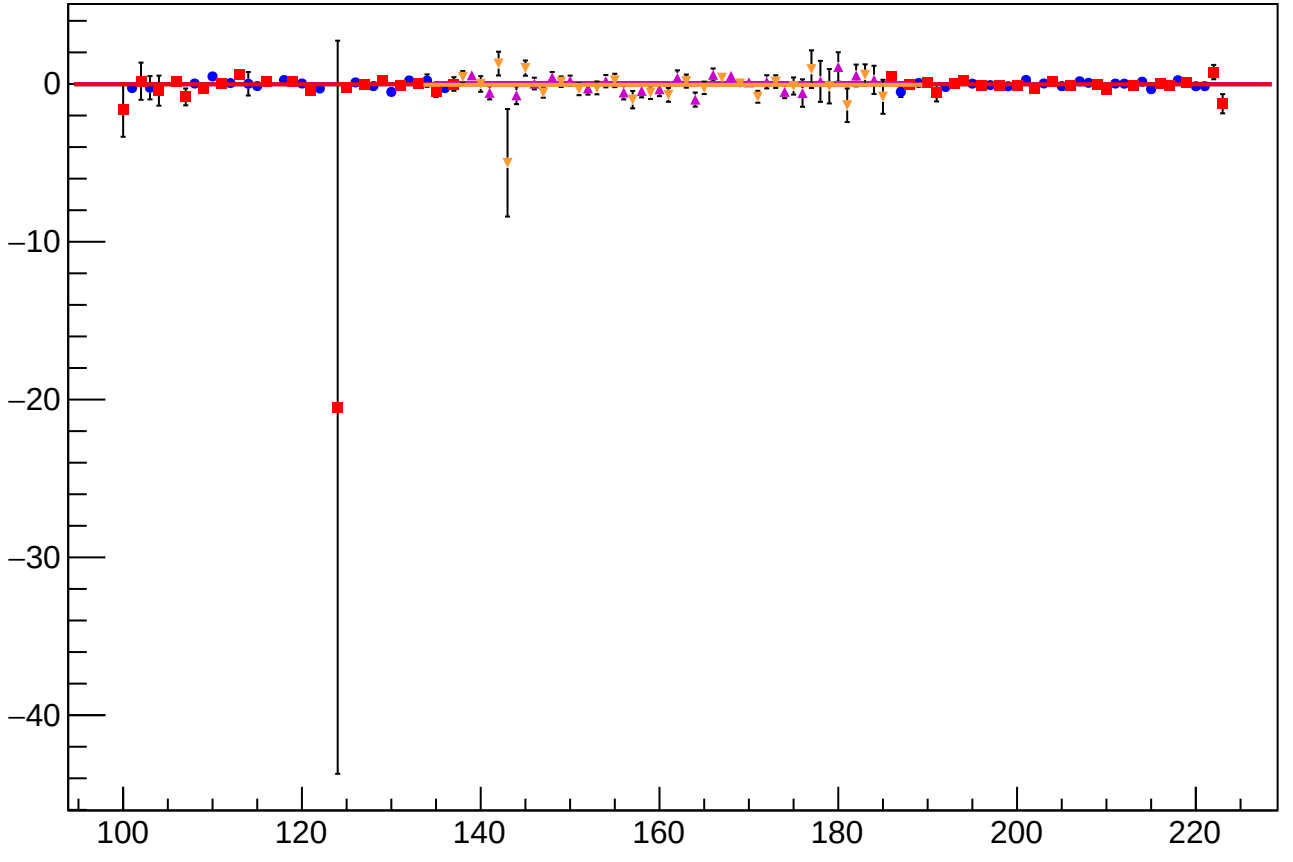
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 64700759.4/57

All: 0.001+/-0.000 χ^2/NDF: 128369531.2/118

\- sign 0.001+/-0.000 χ^2/NDF: 63413093.7/60

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 44.4/38

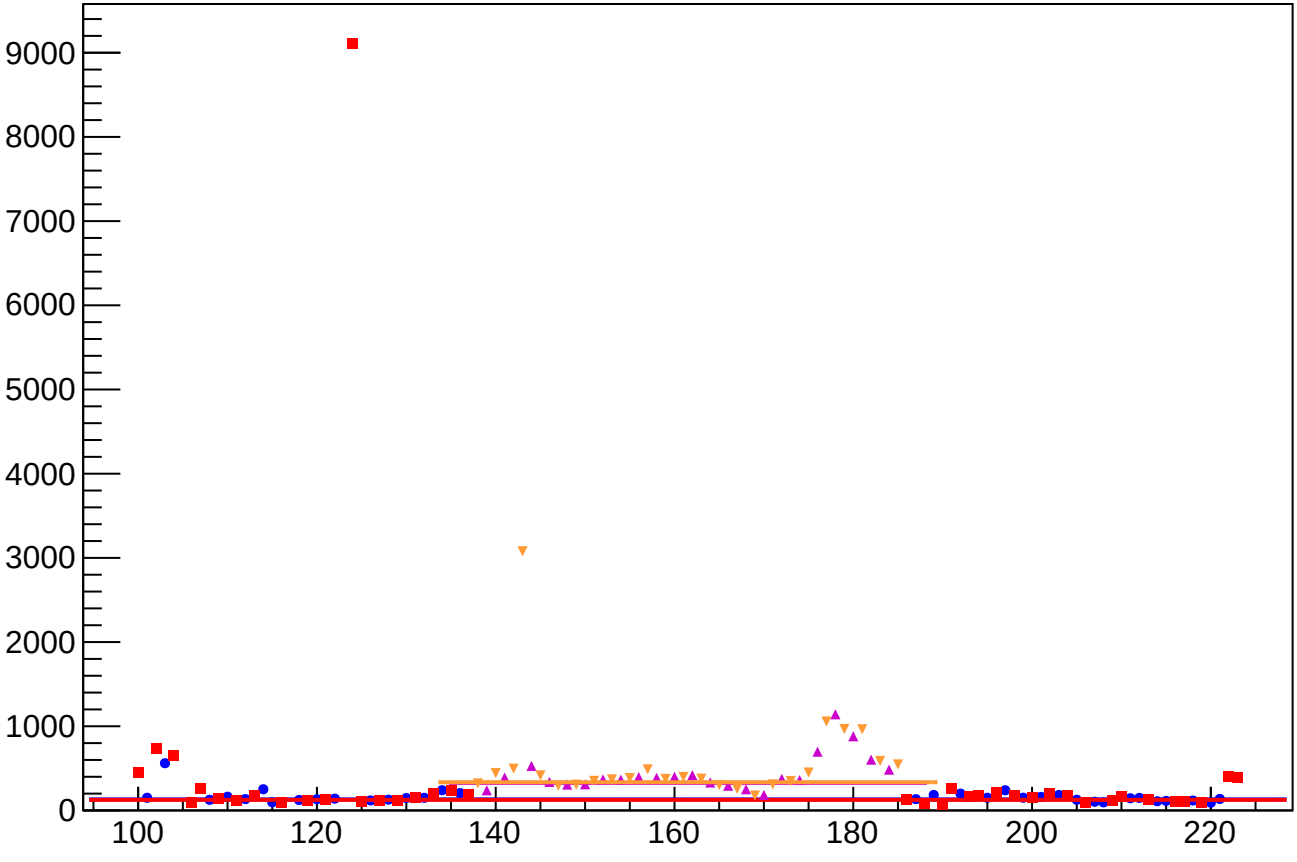
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.029 χ^2/NDF: 74.9/58

All: -0.016+/-0.020 χ^2/NDF: 148.2/120

- sign -0.011+/-0.028 χ^2/NDF: 73.3/61

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 131.161+/-0.022 χ^2/NDF: 2832645.6/33

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

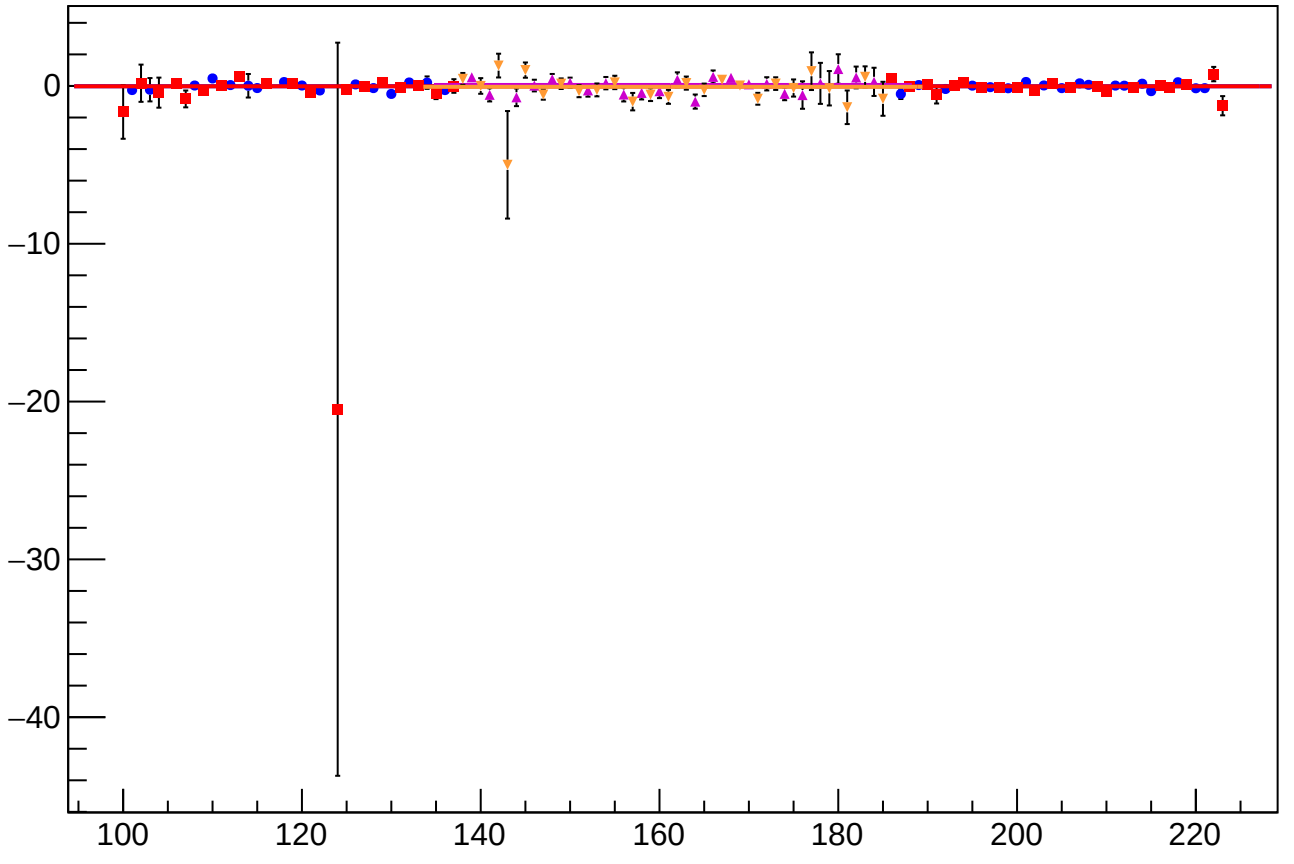
Right Out: 126.115+/-0.021 χ^2/NDF: 5624628.7/38

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 154.576+/-0.020 χ^2/NDF: 18977410.5/58

All: 151.951+/-0.014 χ^2/NDF: 39273435.4/12

- sign 149.421+/-0.020 χ^2/NDF: 20263092.8/61



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 44.4/38

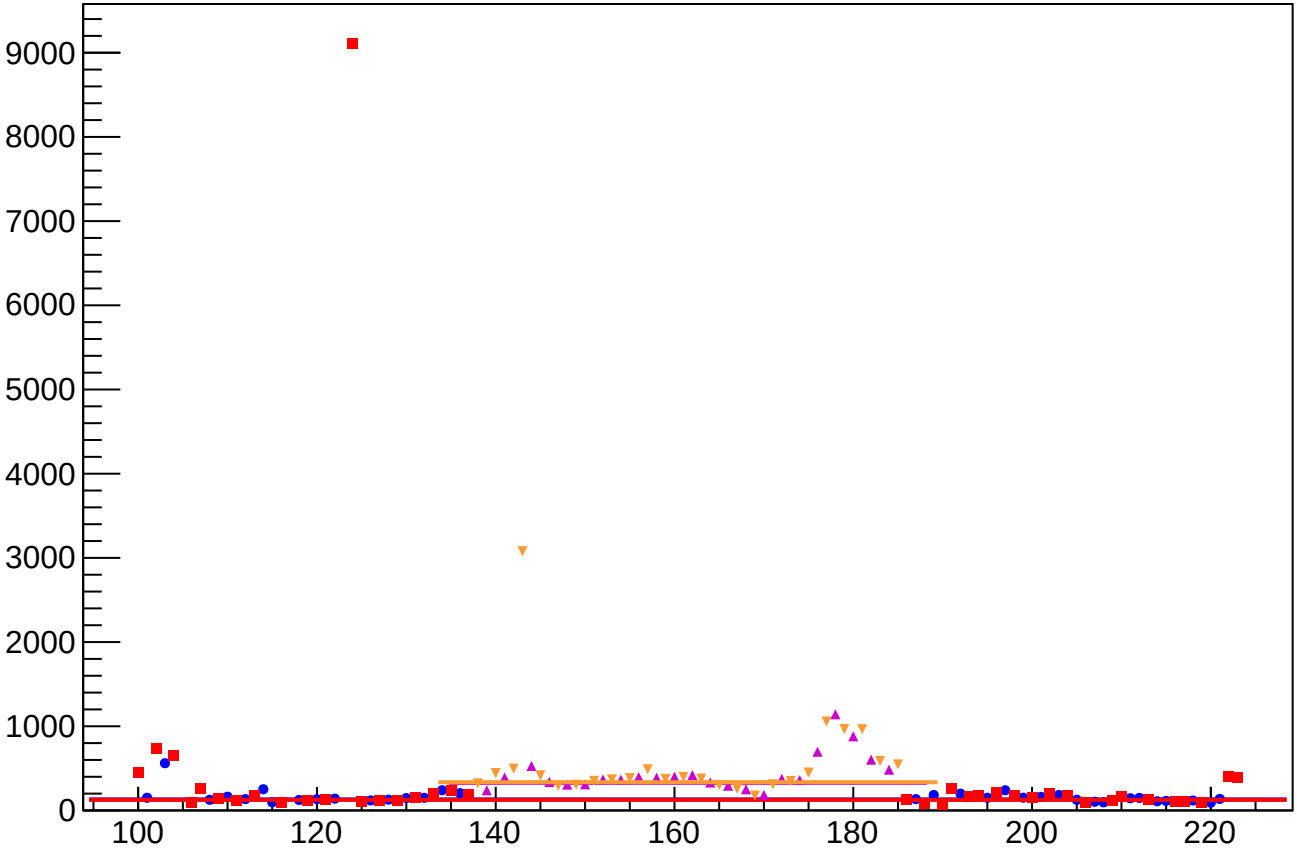
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.029 χ^2/NDF: 74.9/58

All: -0.016+/-0.020 χ^2/NDF: 148.2/120

- sign -0.011+/-0.028 χ^2/NDF: 73.3/61

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 131.161+/-0.022 χ^2/NDF: 2832645.6/33

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

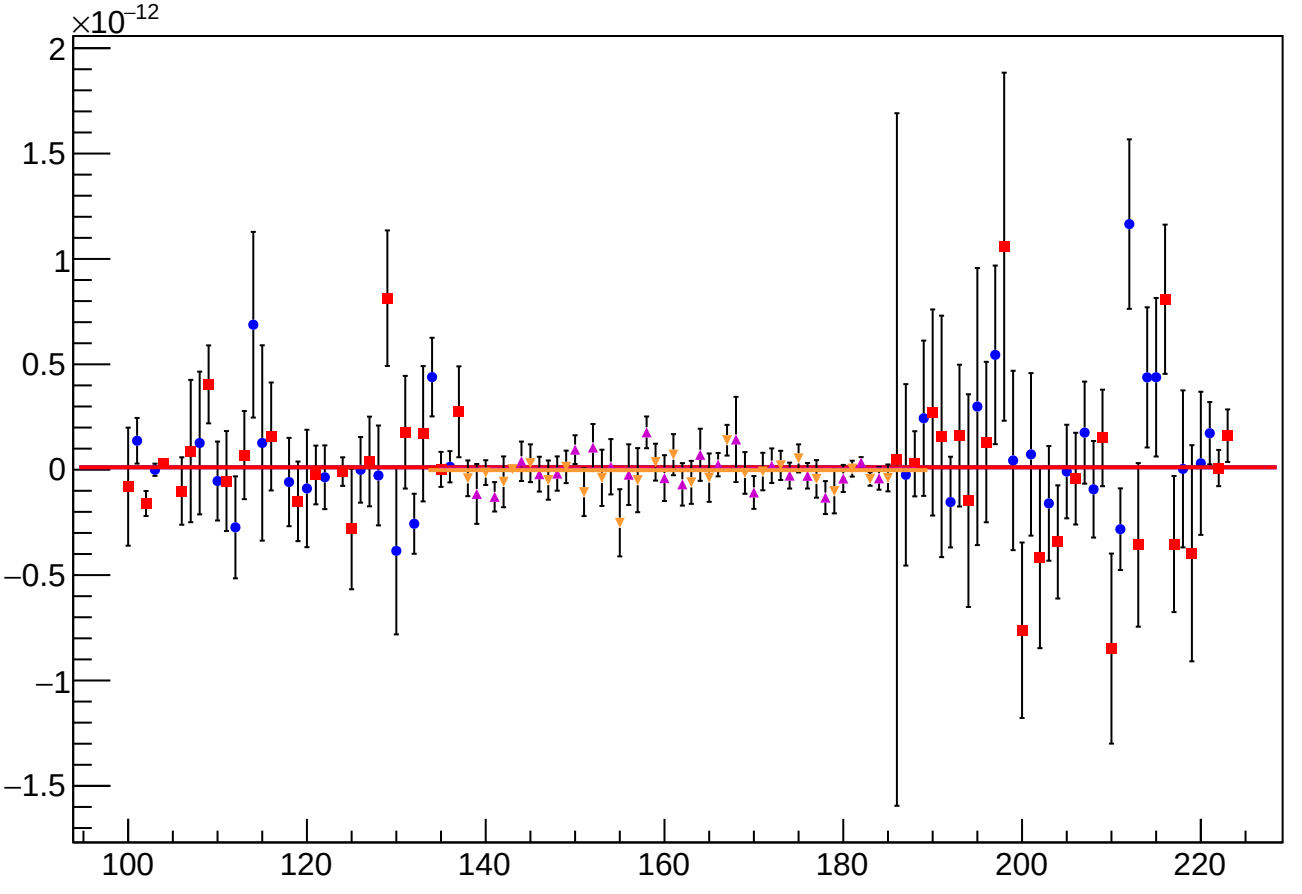
Right Out: 126.115+/-0.021 χ^2/NDF: 5624628.7/38

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 154.576+/-0.020 χ^2/NDF: 18977410.5/58

All: 151.951+/-0.014 χ^2/NDF: 39273435.4/12

- sign 149.421+/-0.020 χ^2/NDF: 20263092.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

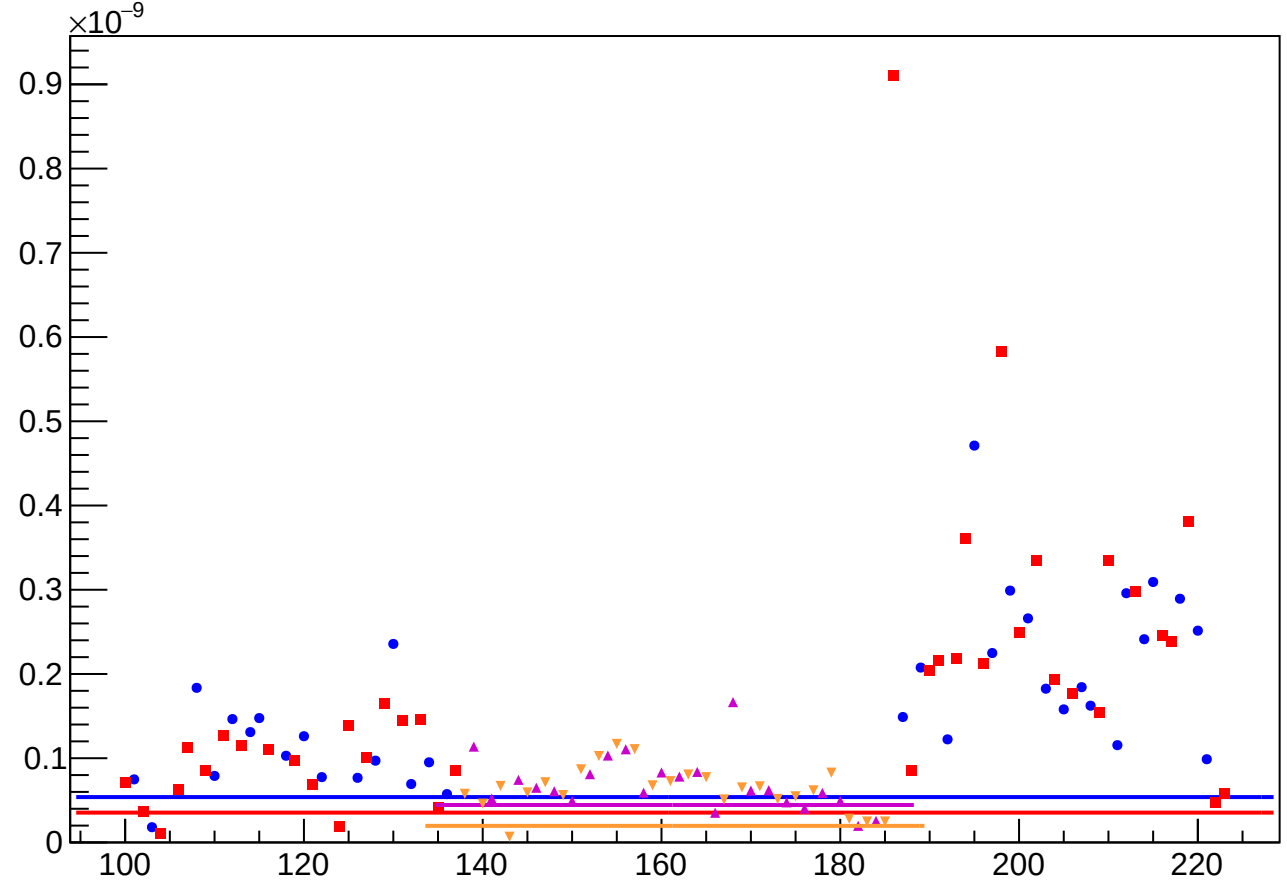
Right Out: 0.000+/-0.000 χ^2/NDF: 47.1/38

Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.2/58

All: 0.000+/-0.000 χ^2/NDF: 118.1/120

- sign 0.000+/-0.000 χ^2/NDF: 69.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 13956787.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17166431.6/38

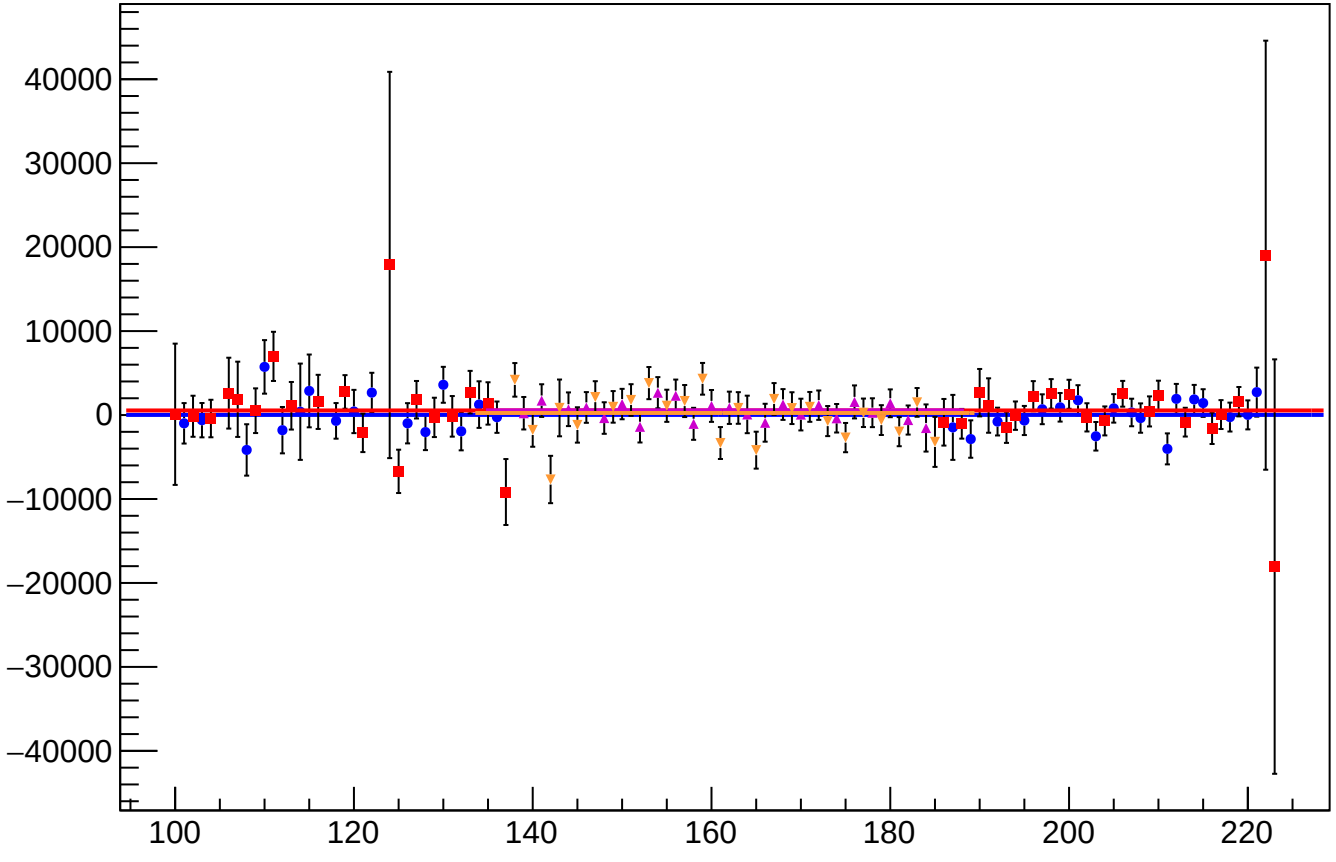
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 32916505.5/58

All: 0.000+/-0.000 χ^2/NDF: 59528925.8/120

- sign 0.000+/-0.000 χ^2/NDF: 23410411.3/61

reg_asym_atl_dd_mean vs Slug



Right In: 17.015+/-352.839 χ^2/NDF: 27.2/33

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 546.318+/-357.817 χ^2/NDF: 37.4/38

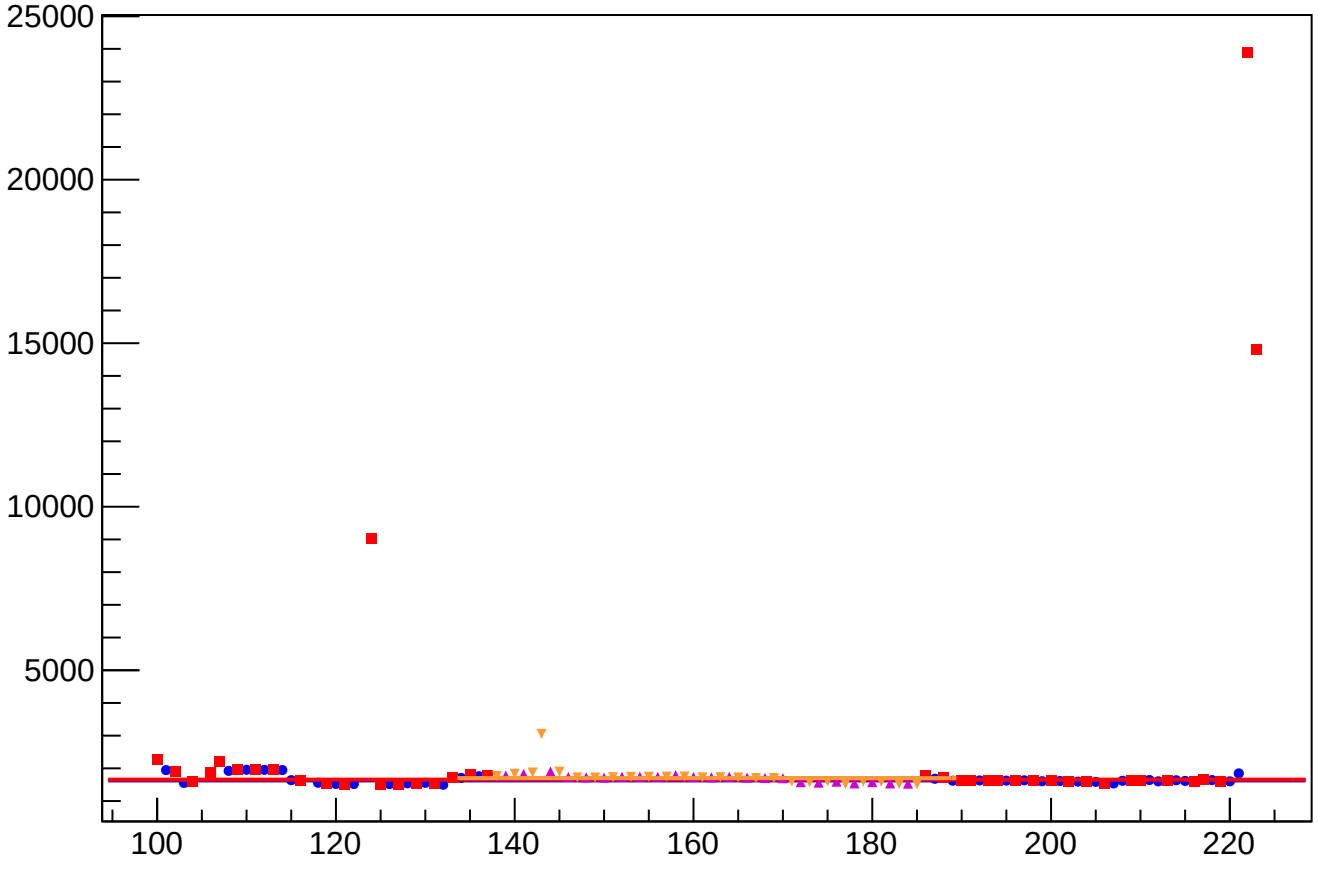
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 121.431+/-261.294 χ^2/NDF: 67.0/58

All: 333.739+/-186.136 χ^2/NDF: 113.3/120

- sign 552.481+/-265.222 χ^2/NDF: 44.9/61

reg_asym_atl_dd_rms vs Slug



Right In: 1630.916+/-0.249 χ^2/NDF: 169372.6/33

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1654.889+/-0.253 χ^2/NDF: 2507638.7/38

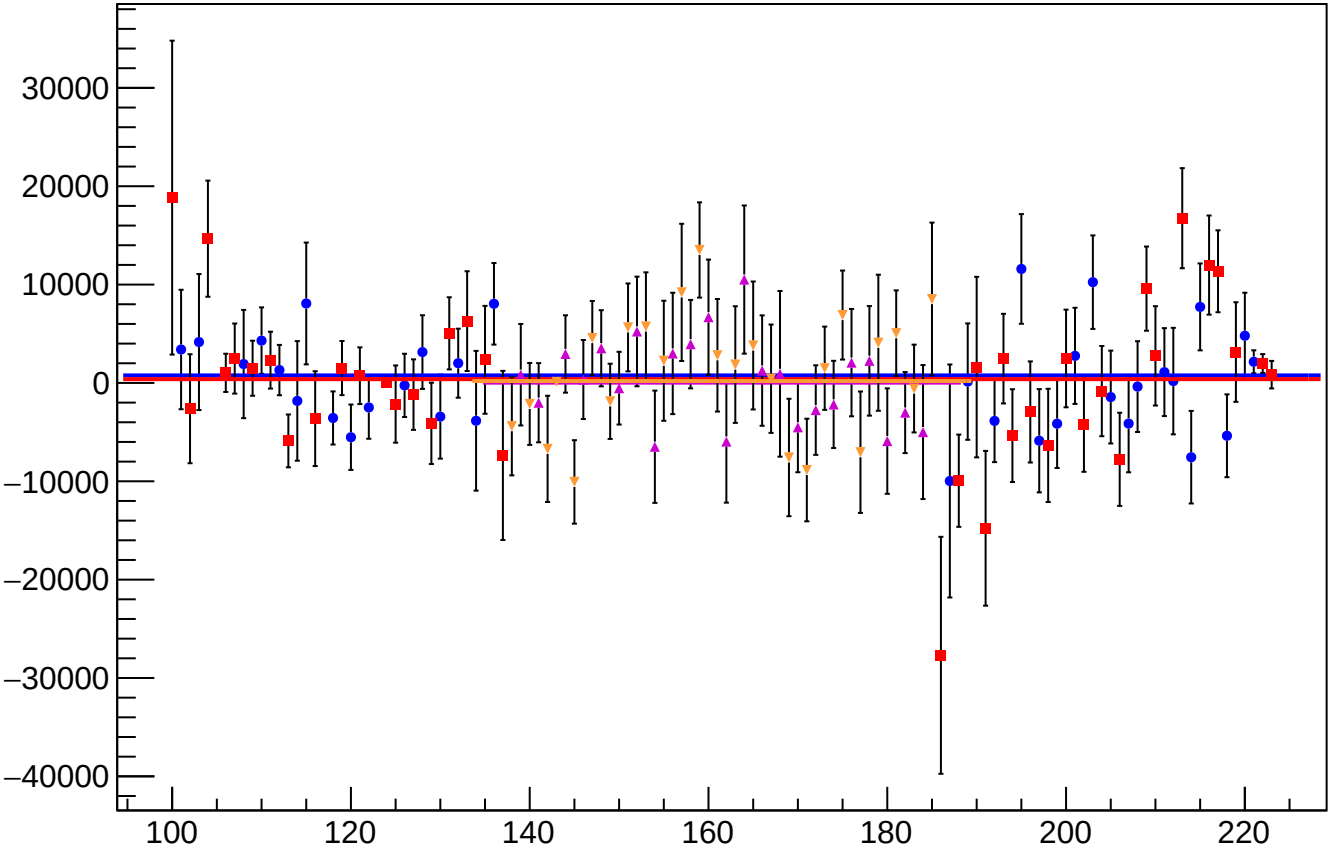
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1662.829+/-0.185 χ^2/NDF: 657979.8/58

All: 1666.536+/-0.132 χ^2/NDF: 3297079.2/12

- sign 1670.350+/-0.187 χ^2/NDF: 2638282.4/61

asym_atl_dd_reg_correction_mean vs Slug



Right In: 764.408+/-628.270 χ^2/NDF: 39.5/33

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 384.886+/-290.684 χ^2/NDF: 73.7/38

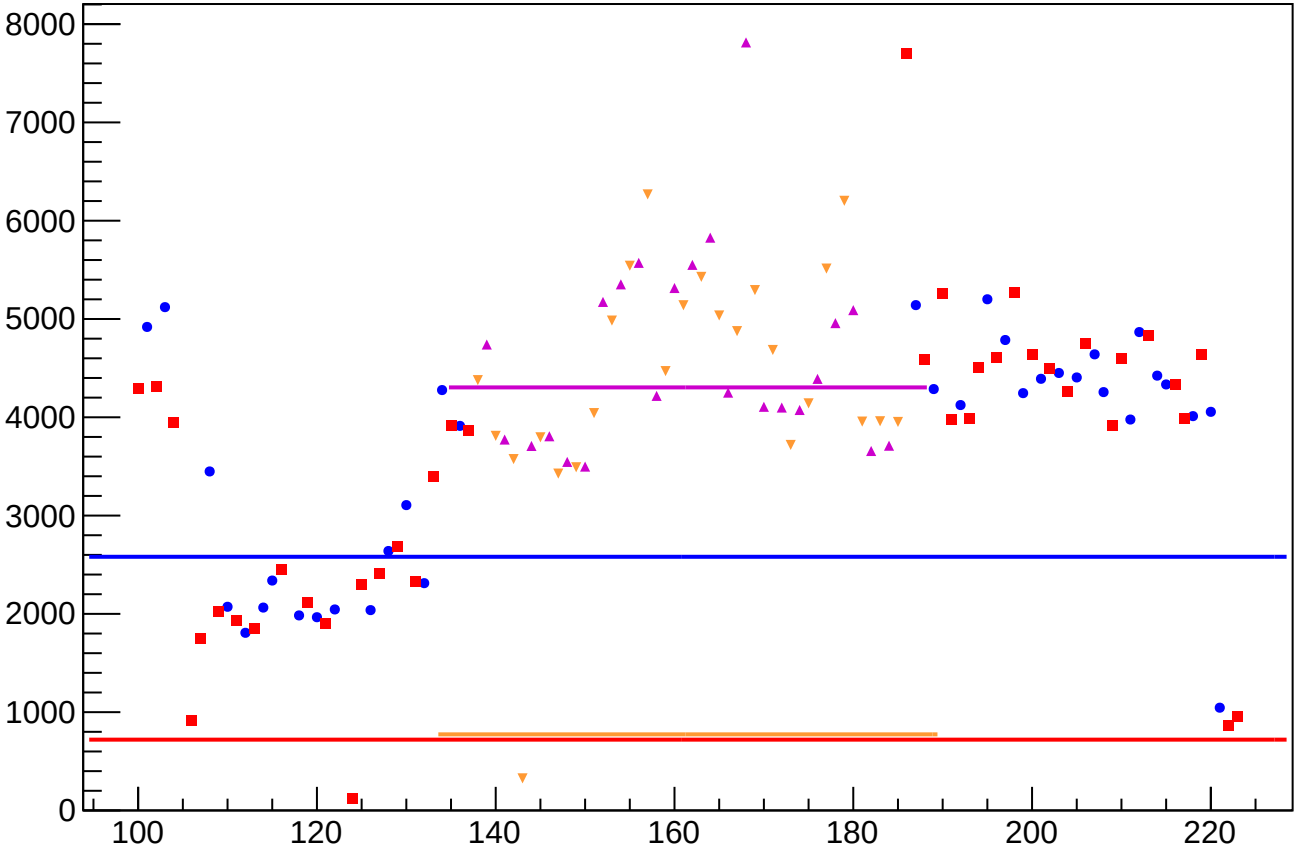
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 324.669+/-301.145 χ^2/NDF: 74.0/58

All: 342.779+/-204.927 χ^2/NDF: 161.2/120

- sign 358.397+/-279.666 χ^2/NDF: 87.1/61

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2580.803+/-0.444 χ^2/NDF: 9680338.3/33

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 720.372+/-0.206 χ^2/NDF: 32658519.4/38

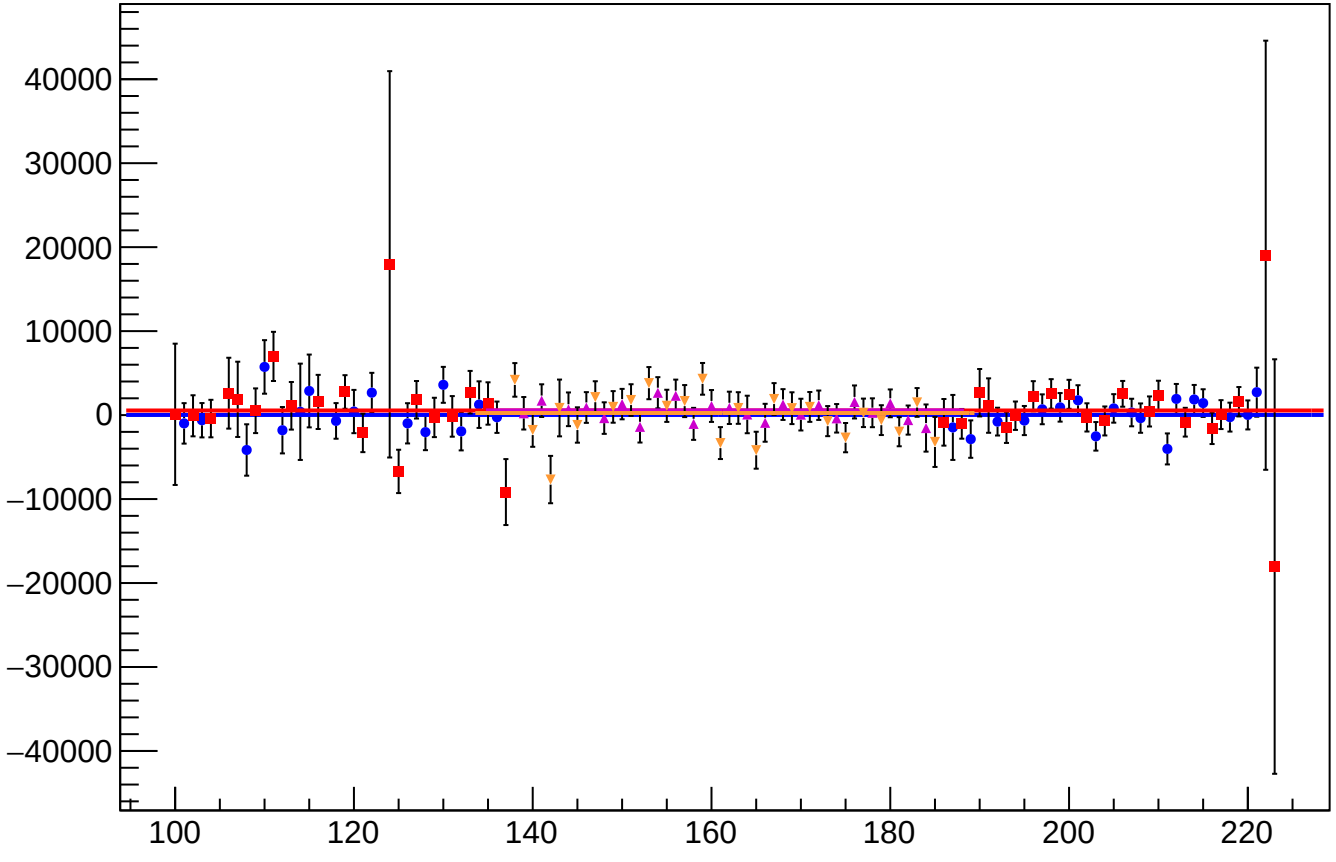
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1189.295+/-0.213 χ^2/NDF: 50503237.6/58

All: 1080.624+/-0.145 χ^2/NDF: 107471142.9

- sign 986.903+/-0.198 χ^2/NDF: 56482857.5/61

cor_asym_atl_dd_mean vs Slug



Right In: 17.057+/-352.839 χ^2/NDF: 27.2/33

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 547.698+/-357.818 χ^2/NDF: 37.4/38

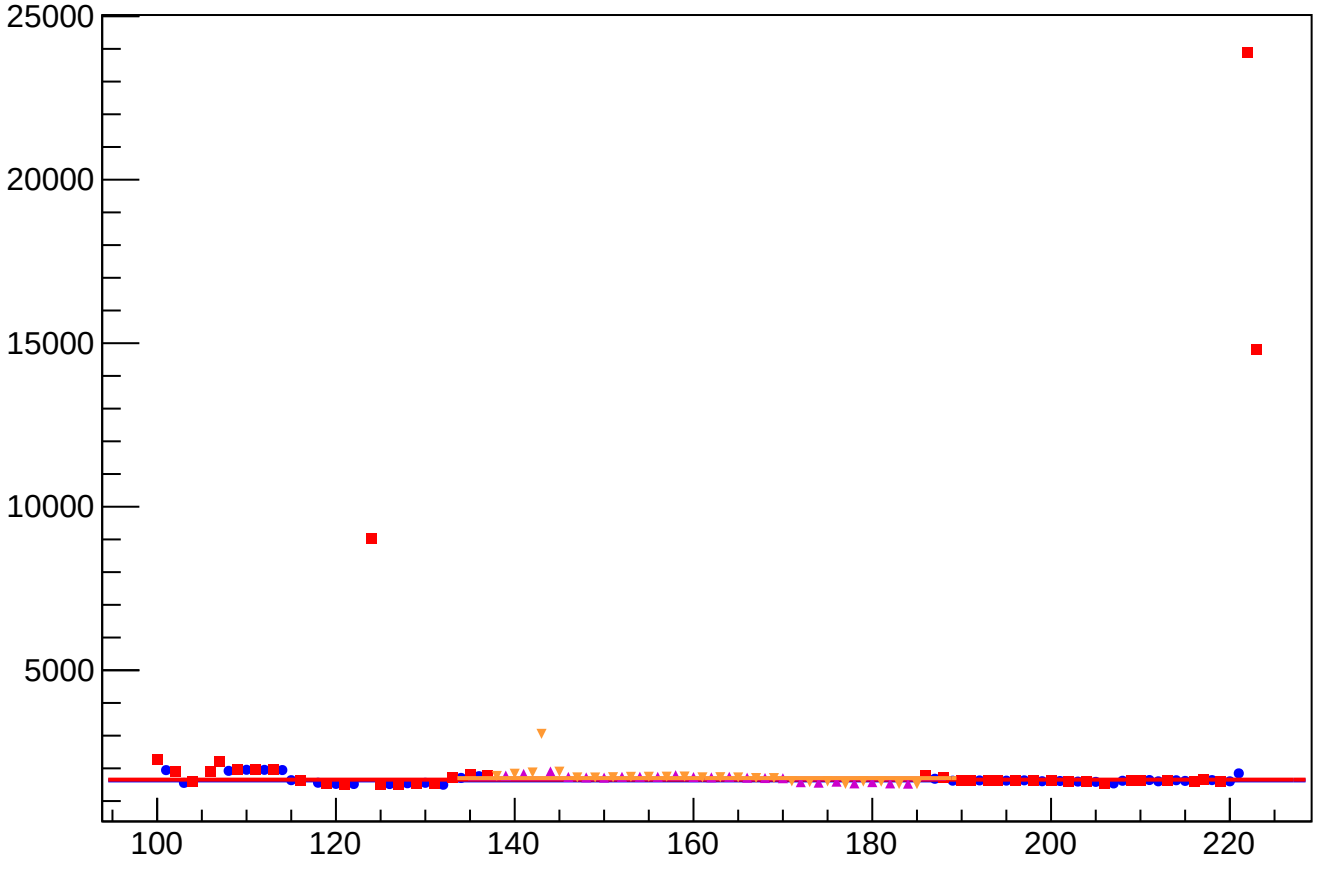
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 121.446+/-261.294 χ^2/NDF: 67.0/58

All: 334.113+/-186.136 χ^2/NDF: 113.3/120

- sign 553.223+/-265.223 χ^2/NDF: 44.9/61

cor_asym_atl_dd_rms vs Slug



Right In: 1630.916+/-0.249 χ^2/NDF: 169372.6/33

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1655.131+/-0.253 χ^2/NDF: 2509716.0/38

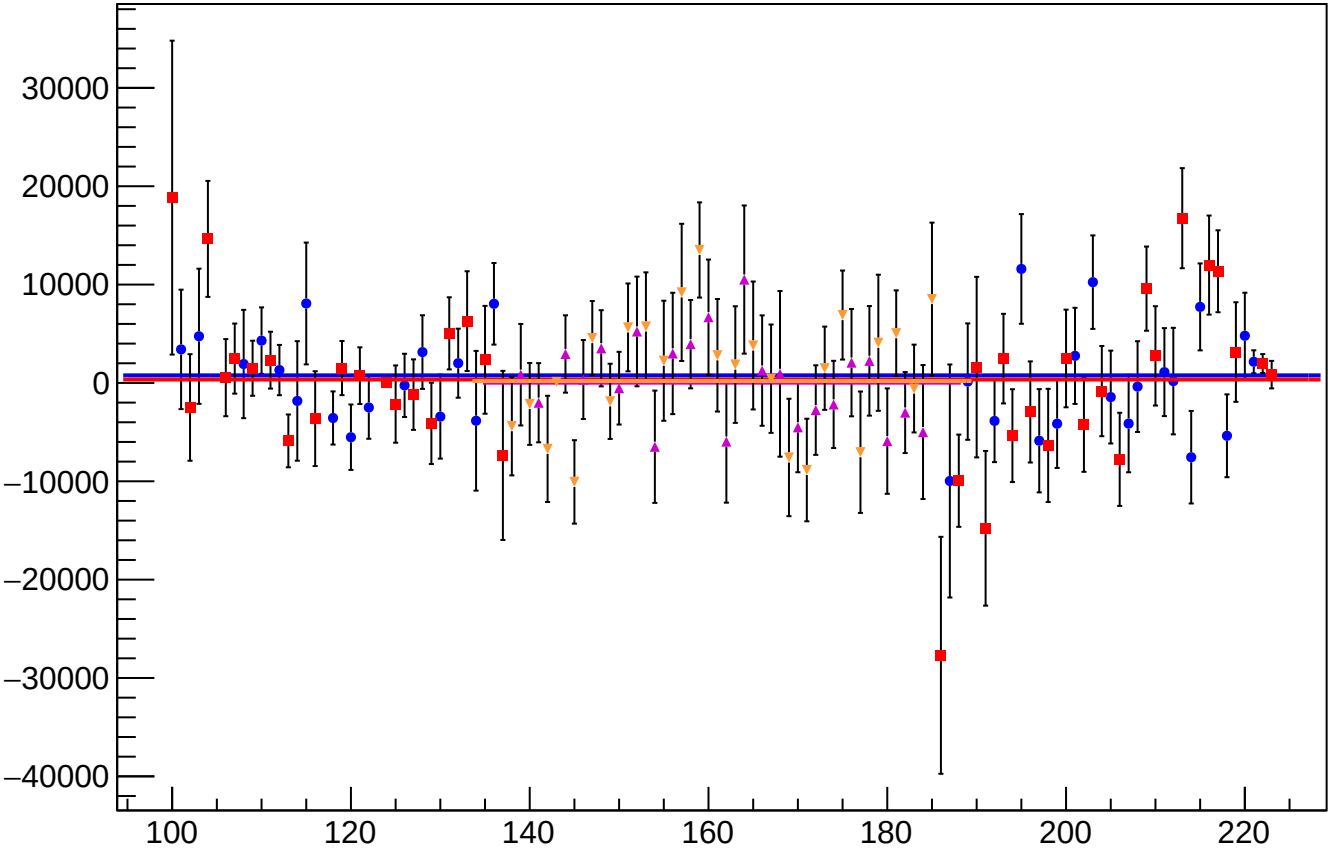
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1662.829+/-0.185 χ^2/NDF: 657979.9/58

All: 1666.603+/-0.132 χ^2/NDF: 3299068.4/12

- sign 1670.486+/-0.187 χ^2/NDF: 2640241.9/61

asym_atl_dd_cor_correction_mean vs Slug



Right In: 769.609+/-628.317 χ^2/NDF: 39.6/33

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 347.831+/-284.883 χ^2/NDF: 73.7/38

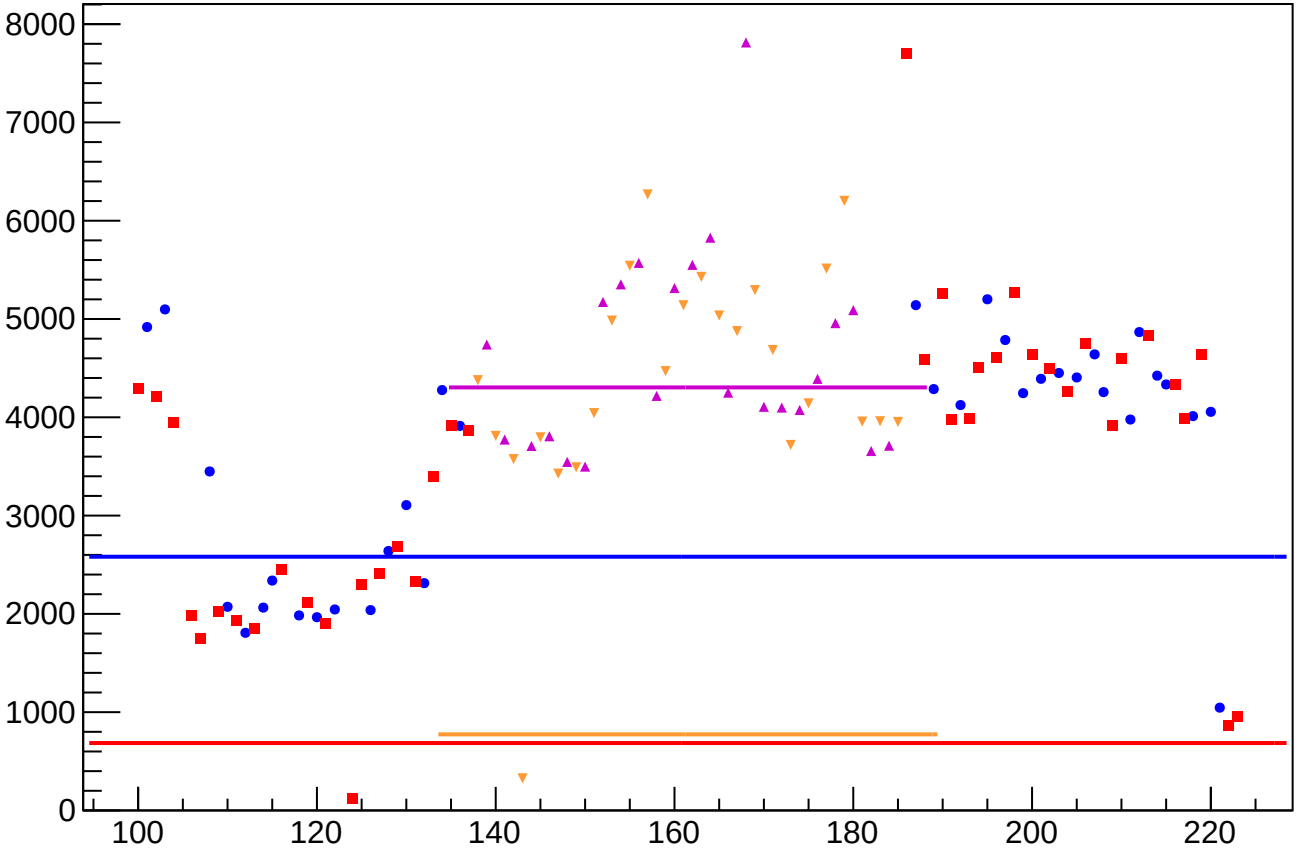
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 326.153+/-301.134 χ^2/NDF: 74.1/58

All: 325.507+/-202.860 χ^2/NDF: 161.2/120

- sign 324.971+/-274.488 χ^2/NDF: 87.1/61

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2581.421+/-0.444 χ^2/NDF: 9672816.1/33

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

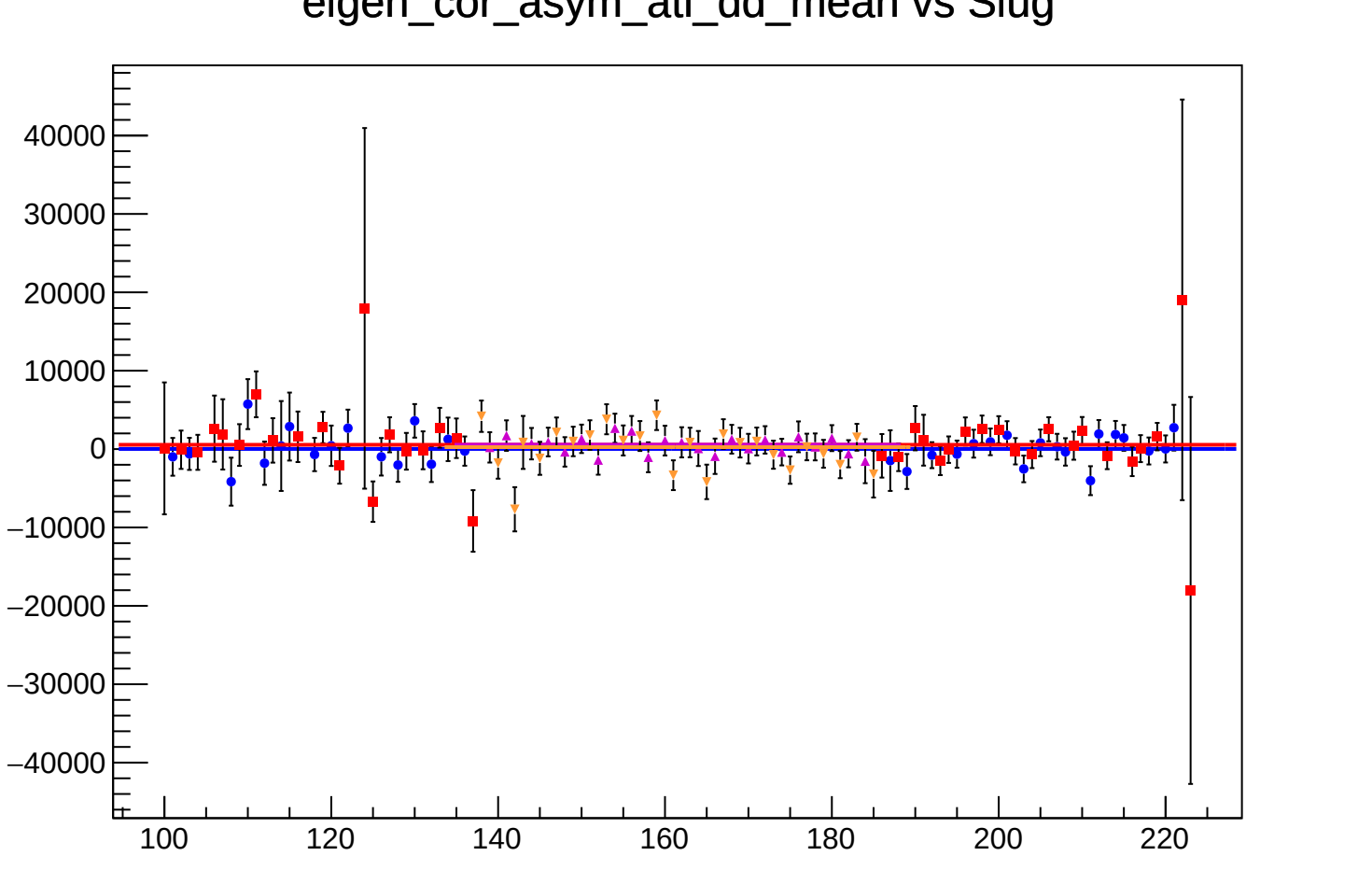
Right Out: 686.019+/-0.201 χ^2/NDF: 33409022.9/38

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1189.276+/-0.213 χ^2/NDF: 50505509.3/58

All: 1055.983+/-0.143 χ^2/NDF: 108959719.9

- sign 945.234+/-0.194 χ^2/NDF: 57736774.2/61



Right In: 17.057+/-352.839 χ^2/NDF: 27.2/33

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 547.698+/-357.818 χ^2/NDF: 37.4/38

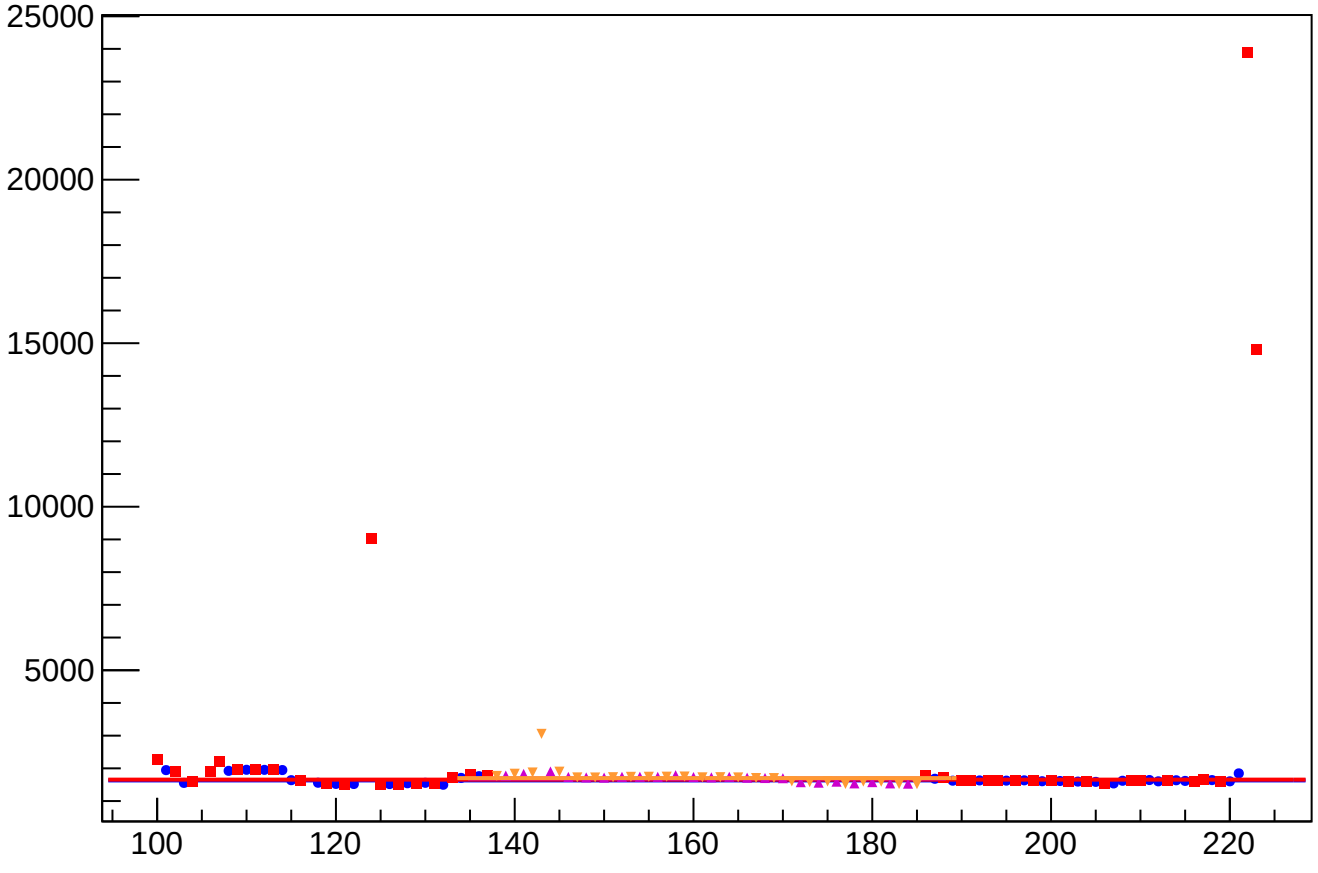
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 121.446+/-261.294 χ^2/NDF: 67.0/58

All: 334.113+/-186.136 χ^2/NDF: 113.3/120

- sign 553.223+/-265.223 χ^2/NDF: 44.9/61

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1630.916+/-0.249 χ^2/NDF: 169372.6/33

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

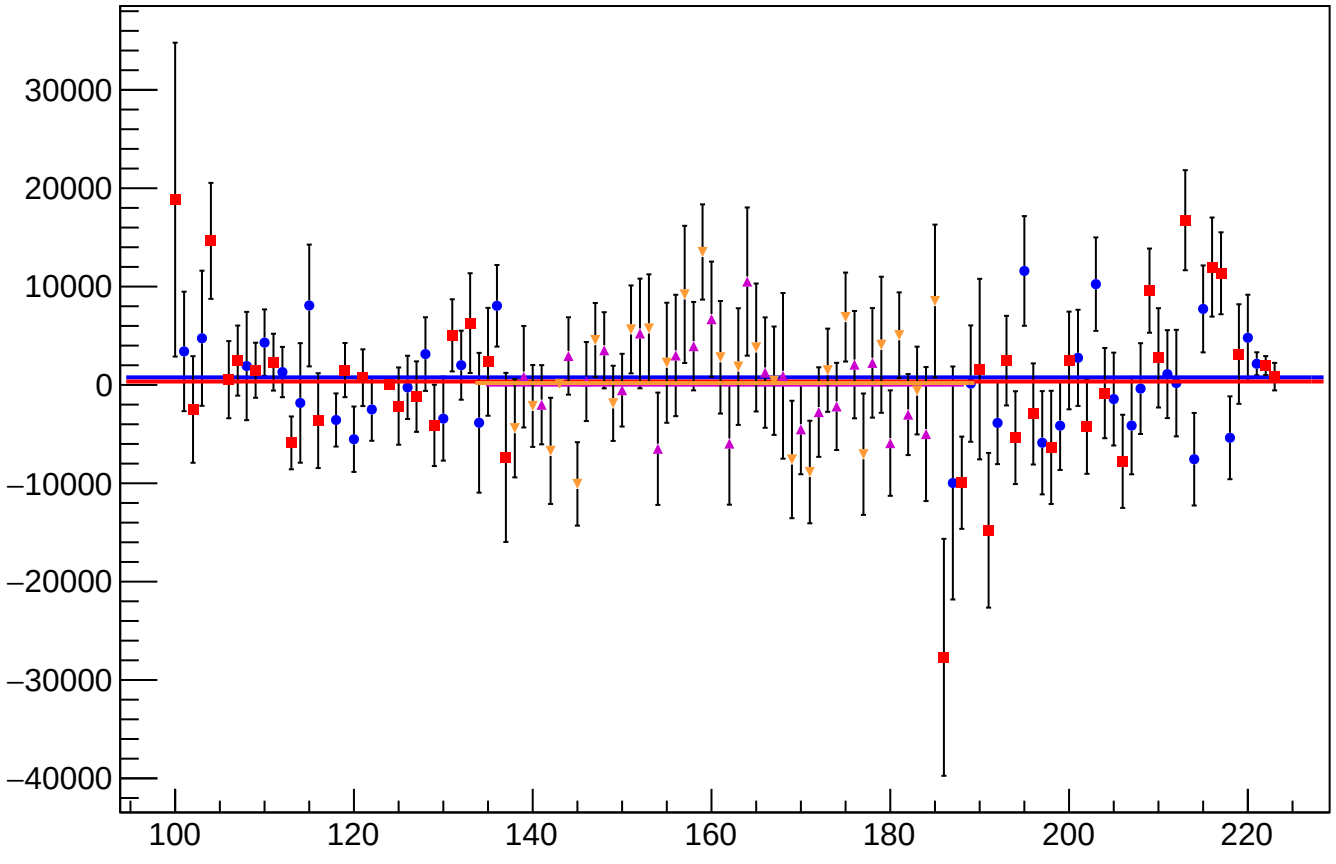
Right Out: 1655.131+/-0.253 χ^2/NDF: 2509716.0/38

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1662.829+/-0.185 χ^2/NDF: 657979.9/58

All: 1666.603+/-0.132 χ^2/NDF: 3299068.4/12

- sign 1670.486+/-0.187 χ^2/NDF: 2640241.9/61



Right In: 769.609+/-628.317 χ^2/NDF: 39.6/33

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 347.831+/-284.883 χ^2/NDF: 73.7/38

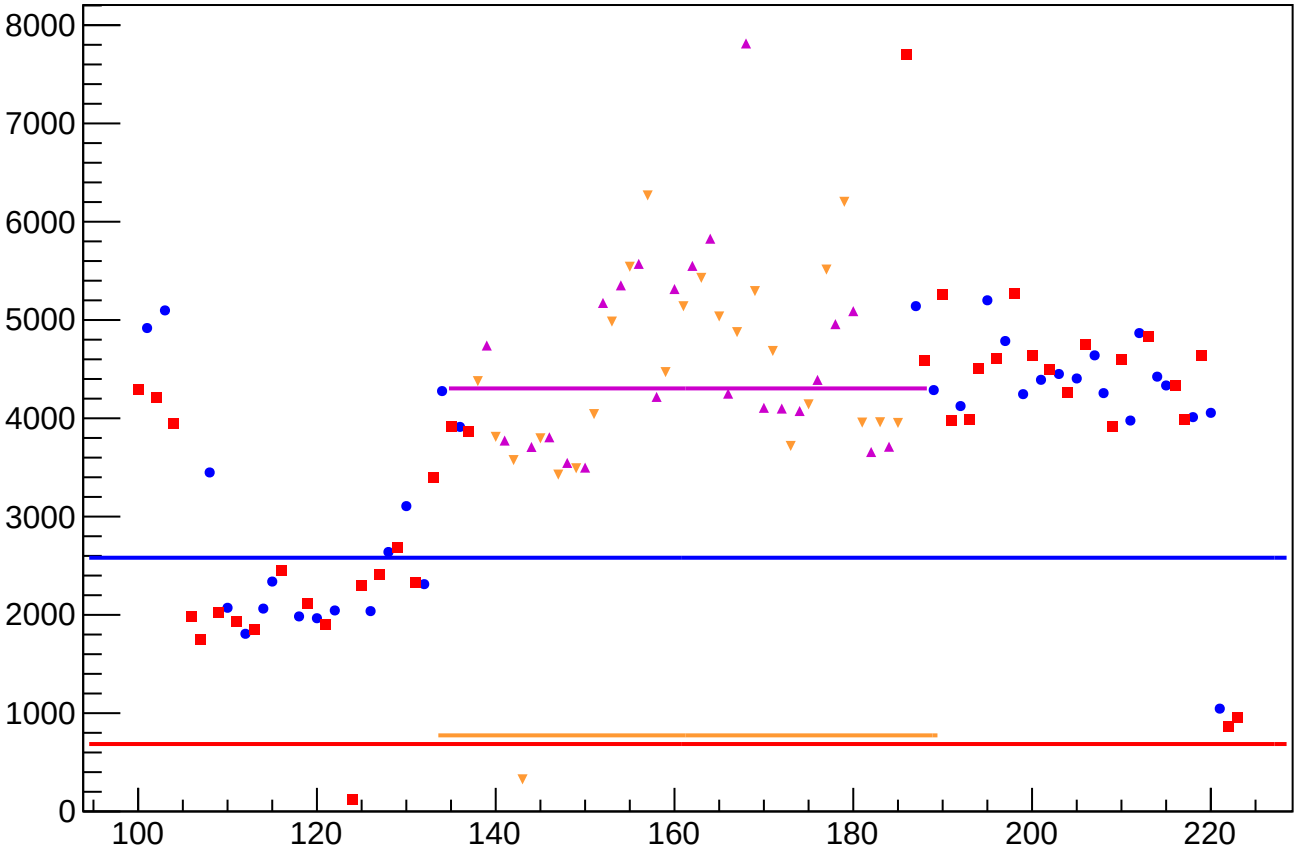
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

\+ sign 326.153+/-301.134 χ^2/NDF: 74.1/58

All: 325.507+/-202.860 χ^2/NDF: 161.2/120

\- sign 324.971+/-274.488 χ^2/NDF: 87.1/61

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2581.421+/-0.444 χ^2/NDF: 9672816.1/33

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 686.019+/-0.201 χ^2/NDF: 33409022.9/38

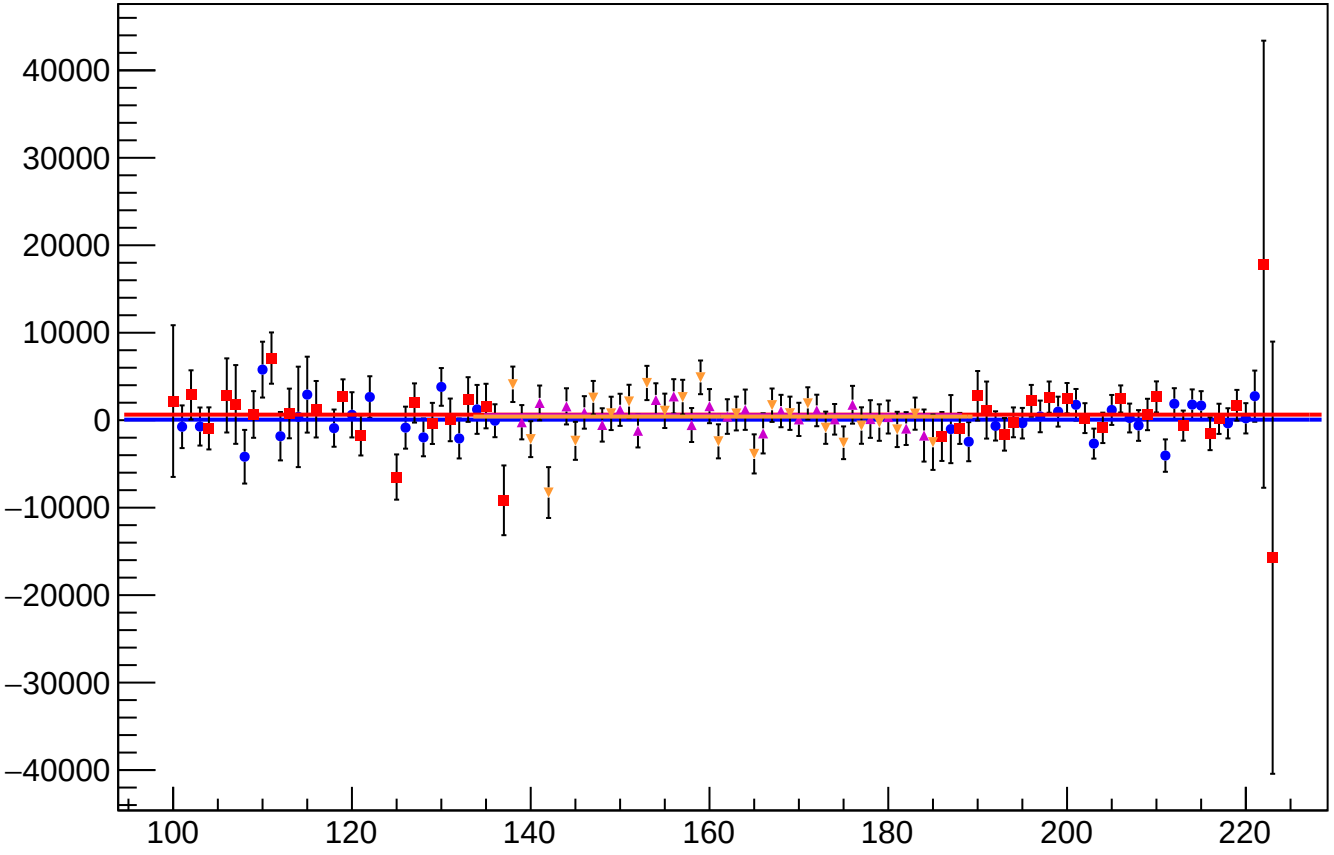
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1189.276+/-0.213 χ^2/NDF: 50505509.3/58

All: 1055.983+/-0.143 χ^2/NDF: 108959719.9

- sign 945.234+/-0.194 χ^2/NDF: 57736774.2/61

dit_asym_atl_dd_mean vs Slug



Right In: 61.565+/-355.414 χ^2/NDF: 27.5/33

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 635.096+/-361.519 χ^2/NDF: 37.1/37

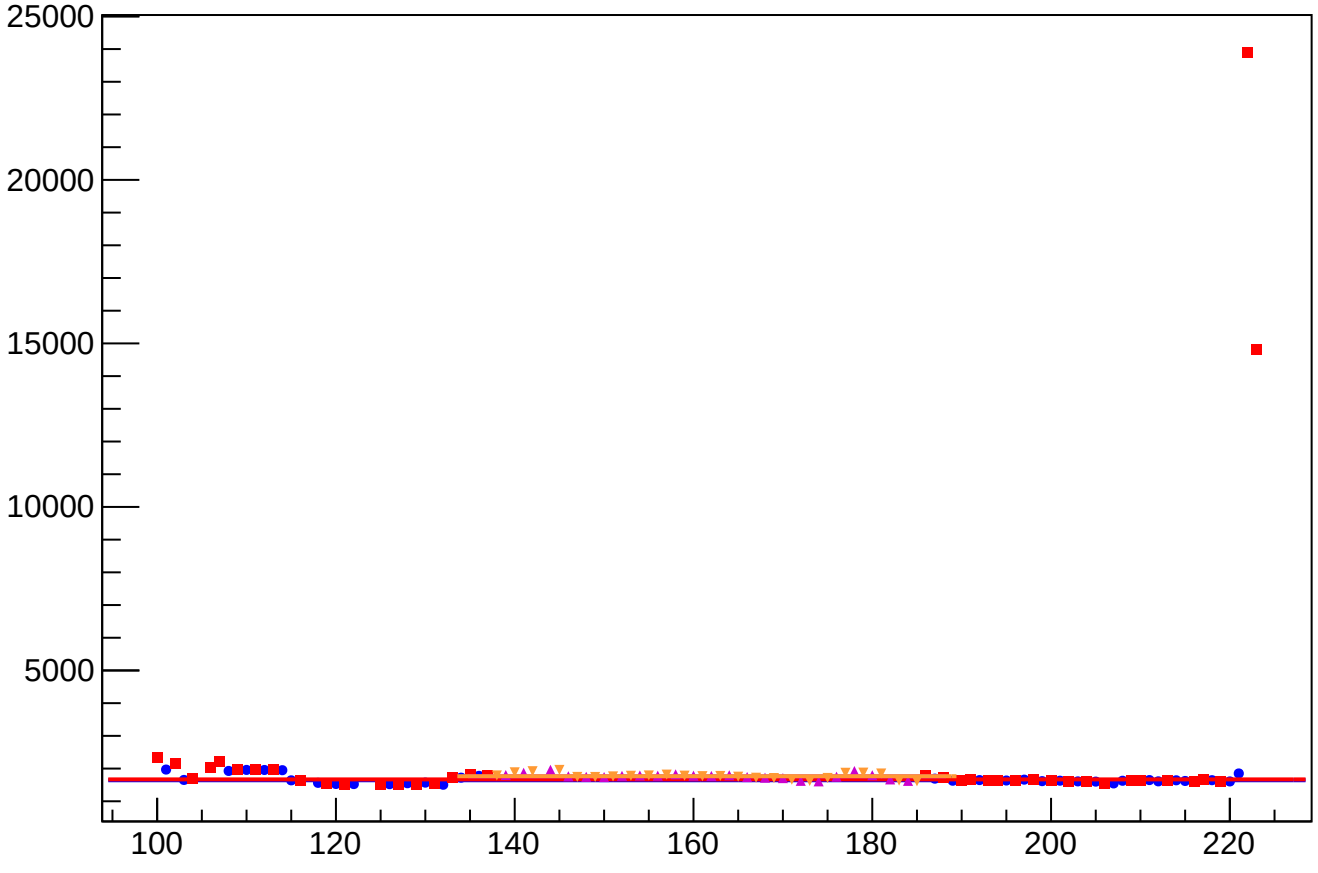
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

\+ sign 212.254+/-268.707 χ^2/NDF: 67.9/57

All: 407.042+/-191.072 χ^2/NDF: 113.8/118

\- sign 606.270+/-271.752 χ^2/NDF: 44.8/60

dit_asym_atl_dd_rms vs Slug



Right In: 1642.743+/-0.251 χ^2/NDF: 168087.9/33

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1668.841+/-0.255 χ^2/NDF: 2350685.1/37

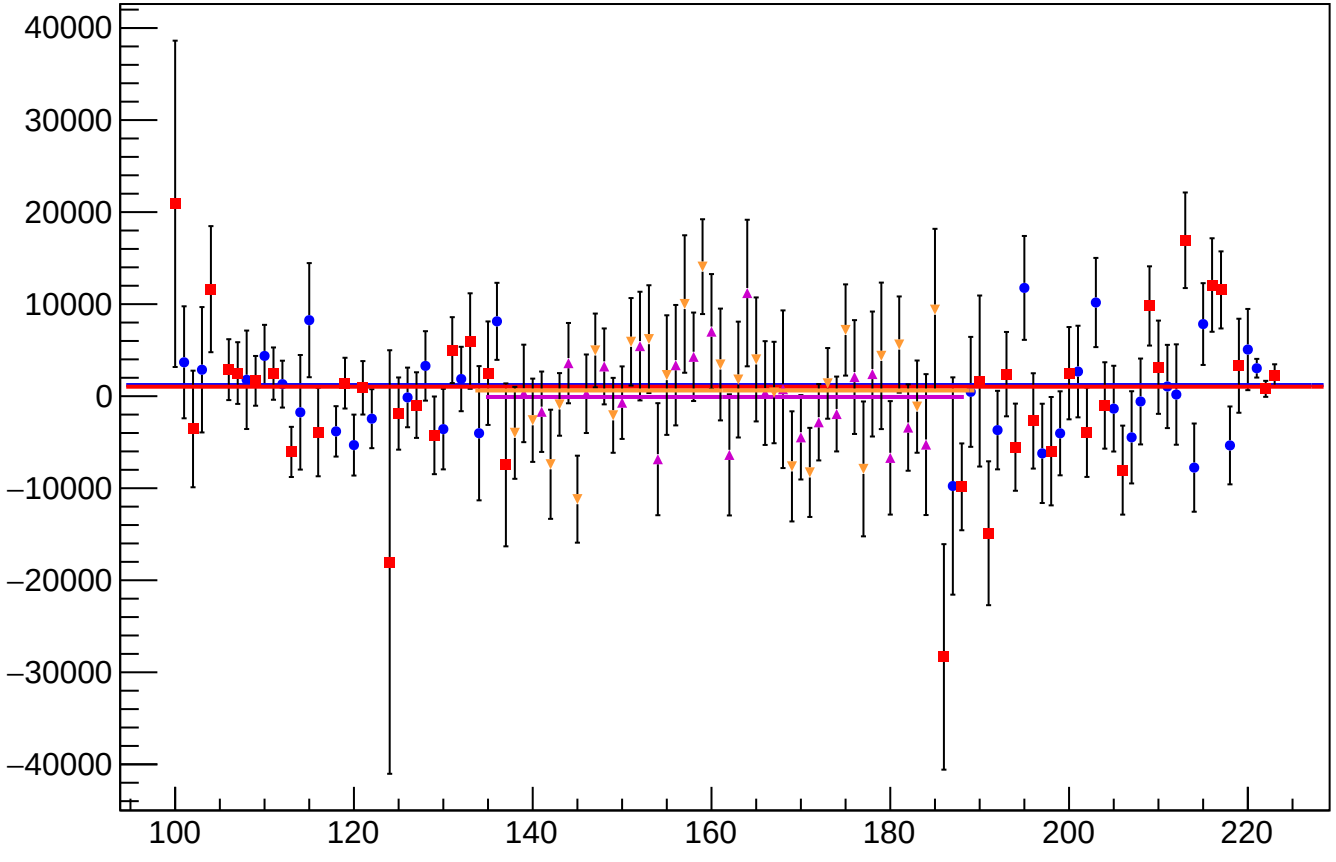
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1695.596+/-0.190 χ^2/NDF: 354580.3/57

All: 1702.475+/-0.135 χ^2/NDF: 2846310.5/11

- sign 1709.504+/-0.192 χ^2/NDF: 2489080.6/60

asym_atl_dd_dit_correction_mean vs Slug



Right In: 1209.067+/-603.275 χ^2/NDF: 42.5/33

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 1030.279+/-503.186 χ^2/NDF: 69.1/38

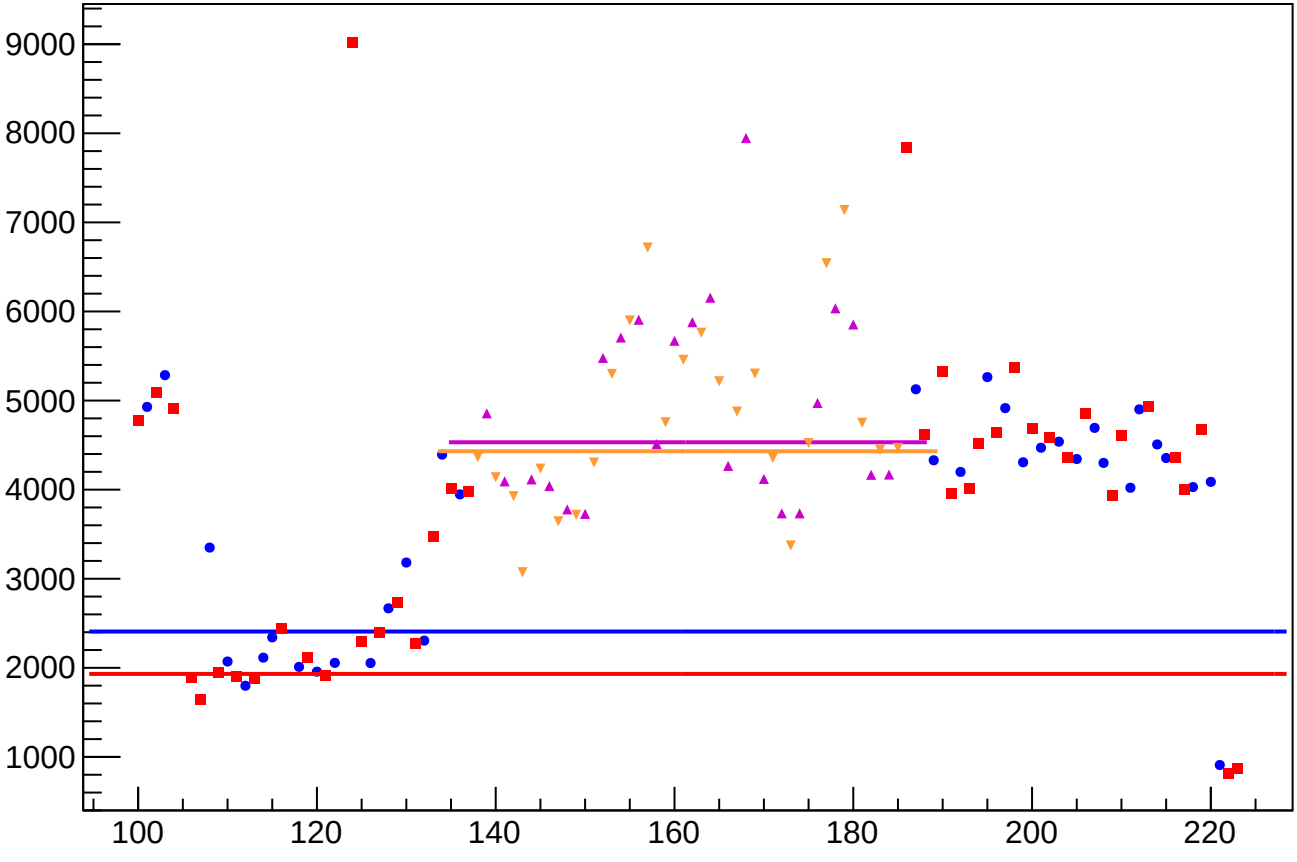
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

\+ sign 1059.527+/-521.157 χ^2/NDF: 75.8/58

All: 930.747+/-343.306 χ^2/NDF: 158.8/120

\- sign 832.026+/-456.299 χ^2/NDF: 82.9/61

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2407.544+/-0.427 χ^2/NDF: 11681053.1/33

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 1931.781+/-0.356 χ^2/NDF: 16118923.3/38

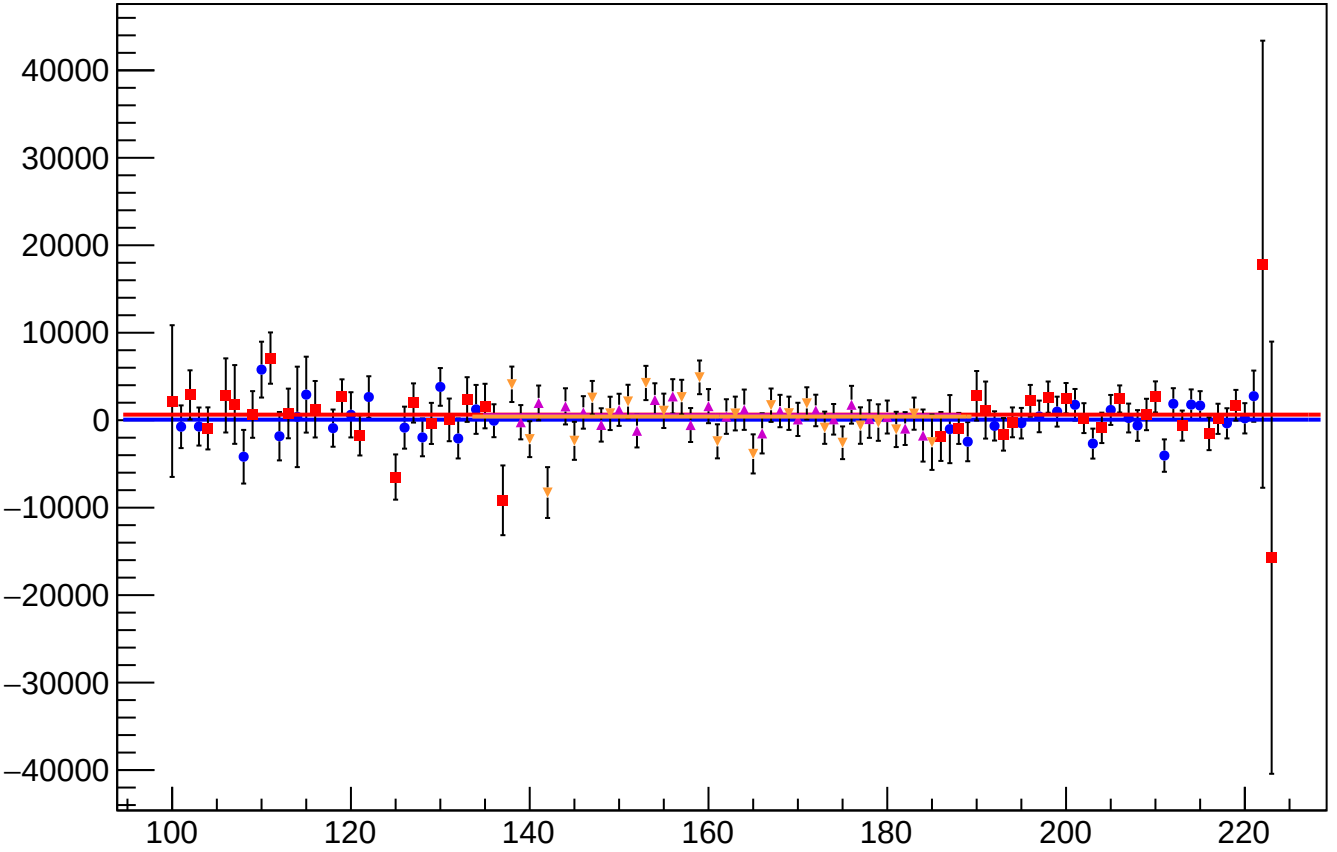
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 2920.870+/-0.369 χ^2/NDF: 19001777.5/58

All: 2622.502+/-0.243 χ^2/NDF: 47144018.8/1

- sign 2393.776+/-0.323 χ^2/NDF: 26984171.1/61

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 61.562+/-355.414 χ^2/NDF: 27.5/33

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

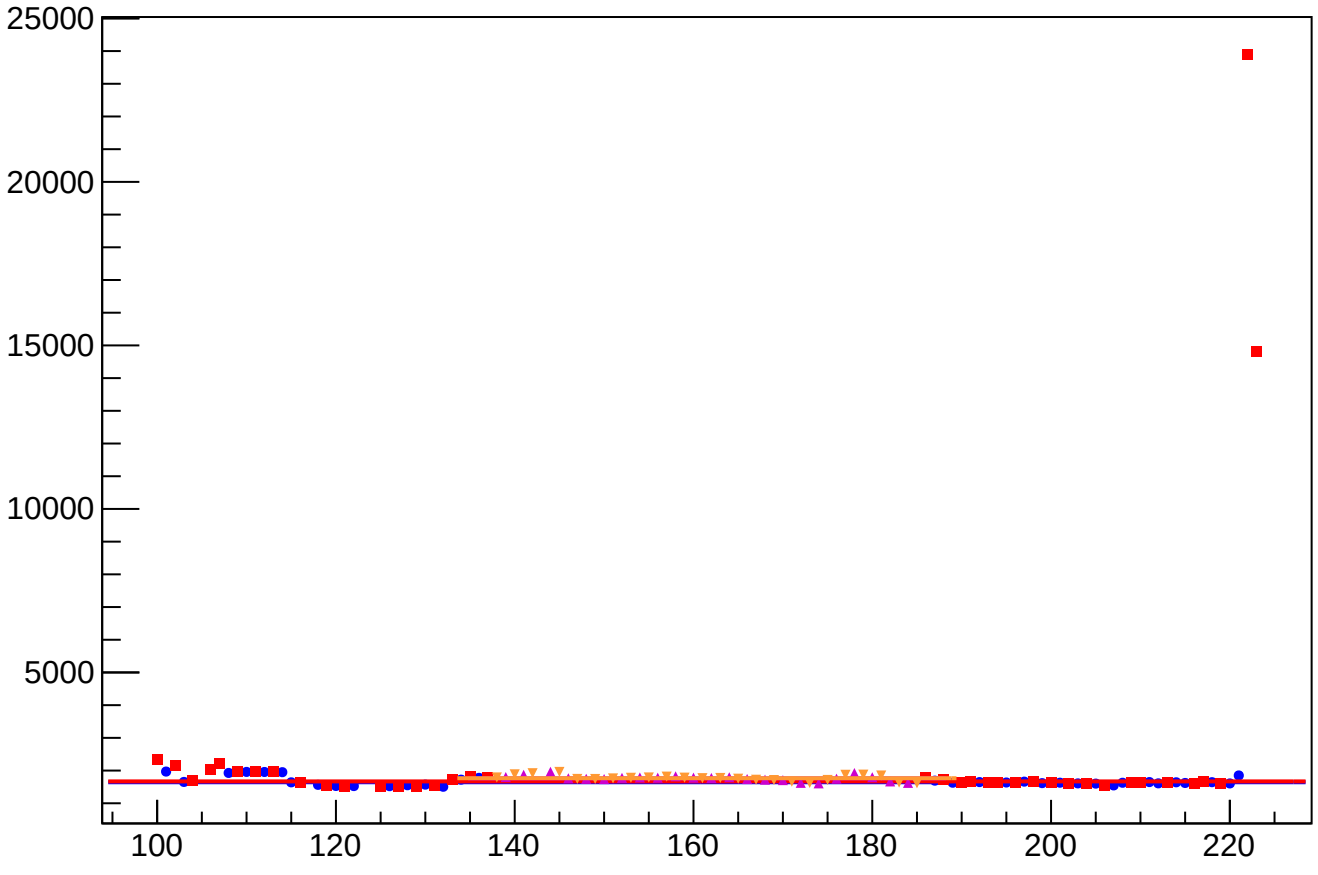
Right Out: 635.093+/-361.519 χ^2/NDF: 37.1/37

Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

\+ sign 212.253+/-268.707 χ^2/NDF: 67.9/57

All: 407.040+/-191.072 χ^2/NDF: 113.8/118

\- sign 606.268+/-271.752 χ^2/NDF: 44.8/60



Right In: 1642.743+/-0.251 χ^2/NDF: 168087.9/33

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1668.841+/-0.255 χ^2/NDF: 2350683.7/37

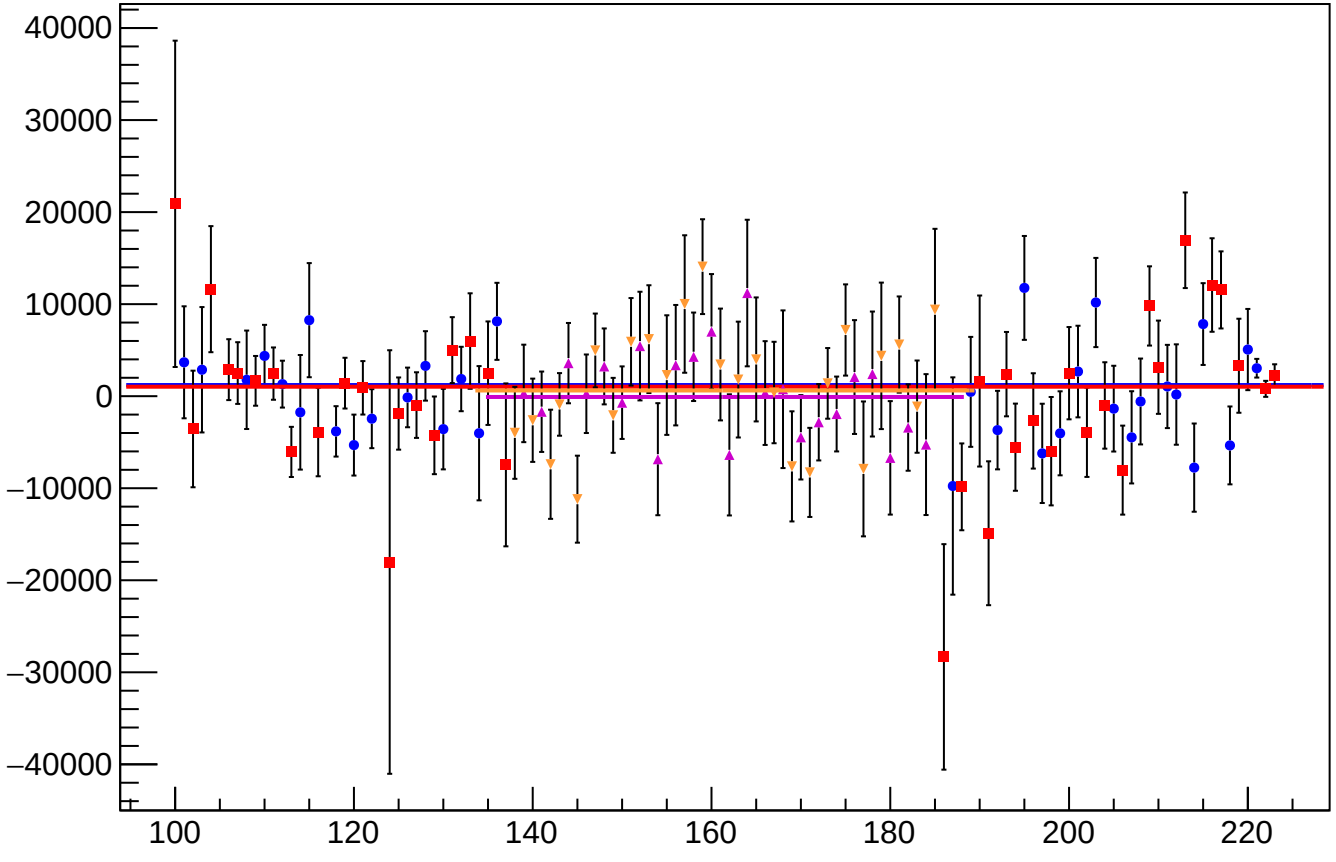
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1695.597+/-0.190 χ^2/NDF: 354584.7/57

All: 1702.475+/-0.135 χ^2/NDF: 2846317.3/11

- sign 1709.504+/-0.192 χ^2/NDF: 2489082.9/60

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 1209.060+/-603.275 χ^2/NDF: 42.5/33

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 1030.276+/-503.186 χ^2/NDF: 69.1/38

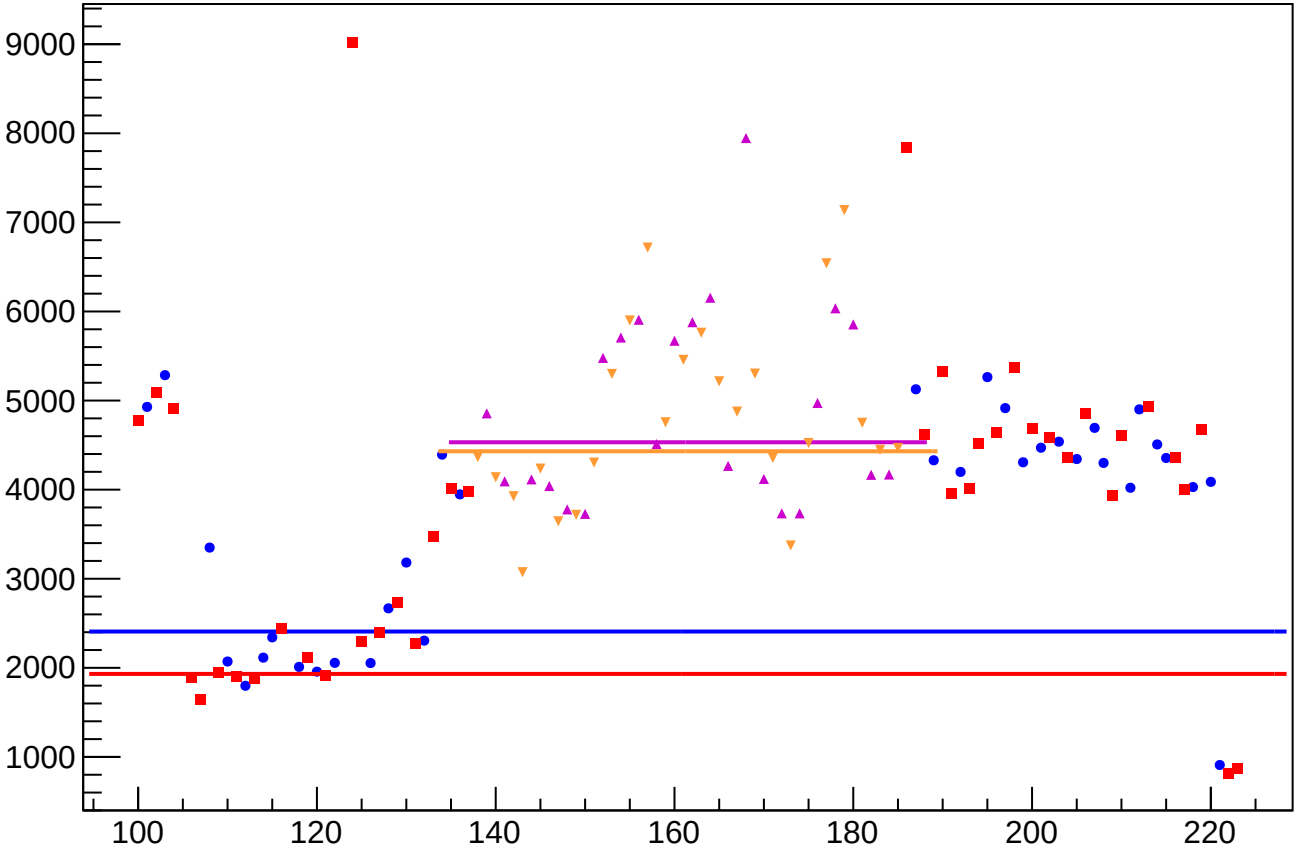
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

\+ sign 1059.523+/-521.157 χ^2/NDF: 75.8/58

All: 930.745+/-343.306 χ^2/NDF: 158.8/120

\- sign 832.025+/-456.299 χ^2/NDF: 82.9/61

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2407.543+/-0.427 χ^2/NDF: 11681070.0/33

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 1931.780+/-0.356 χ^2/NDF: 16118931.7/38

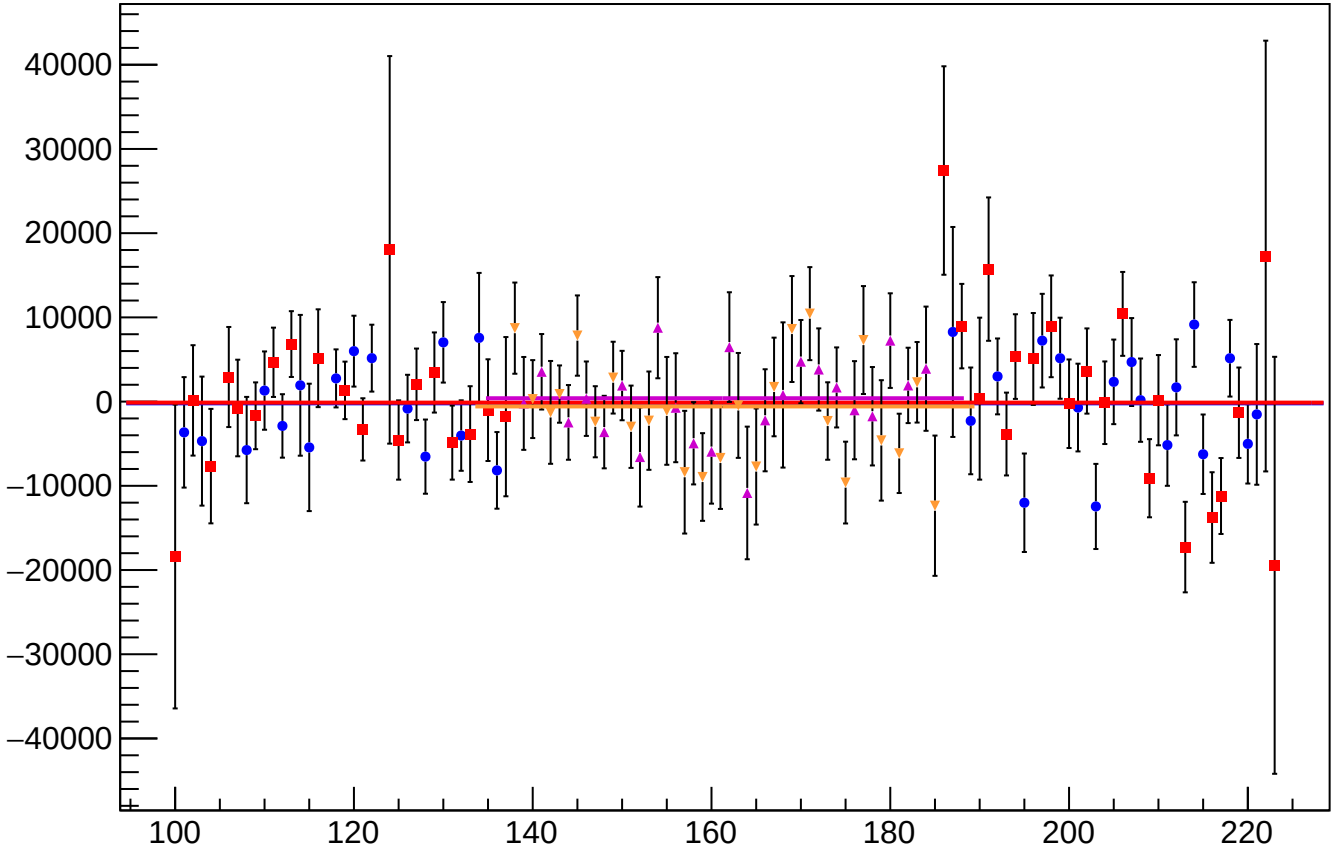
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 2920.870+/-0.369 χ^2/NDF: 19001828.3/58

All: 2622.500+/-0.243 χ^2/NDF: 47144126.5/1

- sign 2393.774+/-0.323 χ^2/NDF: 26984221.8/61

asym_atl_dd_mean vs Slug



Right In: -207.638+/-863.285 χ^2/NDF: 40.5/33

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -121.422+/-857.904 χ^2/NDF: 62.1/38

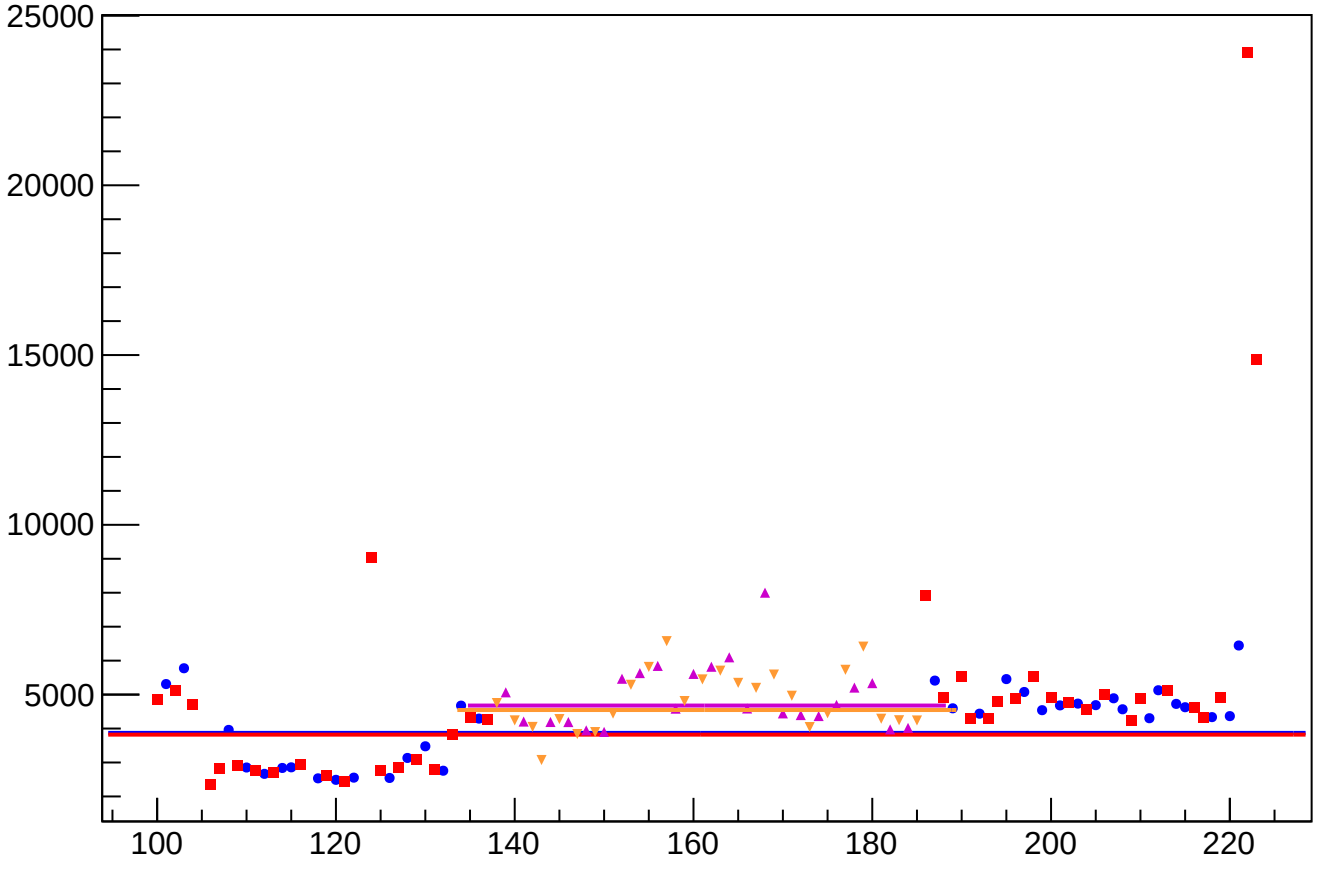
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -354.242+/-668.072 χ^2/NDF: 69.4/58

All: -143.943+/-476.104 χ^2/NDF: 145.8/120

- sign 73.086+/-678.678 χ^2/NDF: 76.3/61

asym_atl_dd_rms vs Slug



Right In: 3871.896+/-0.610 χ^2/NDF: 2892383.7/33

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

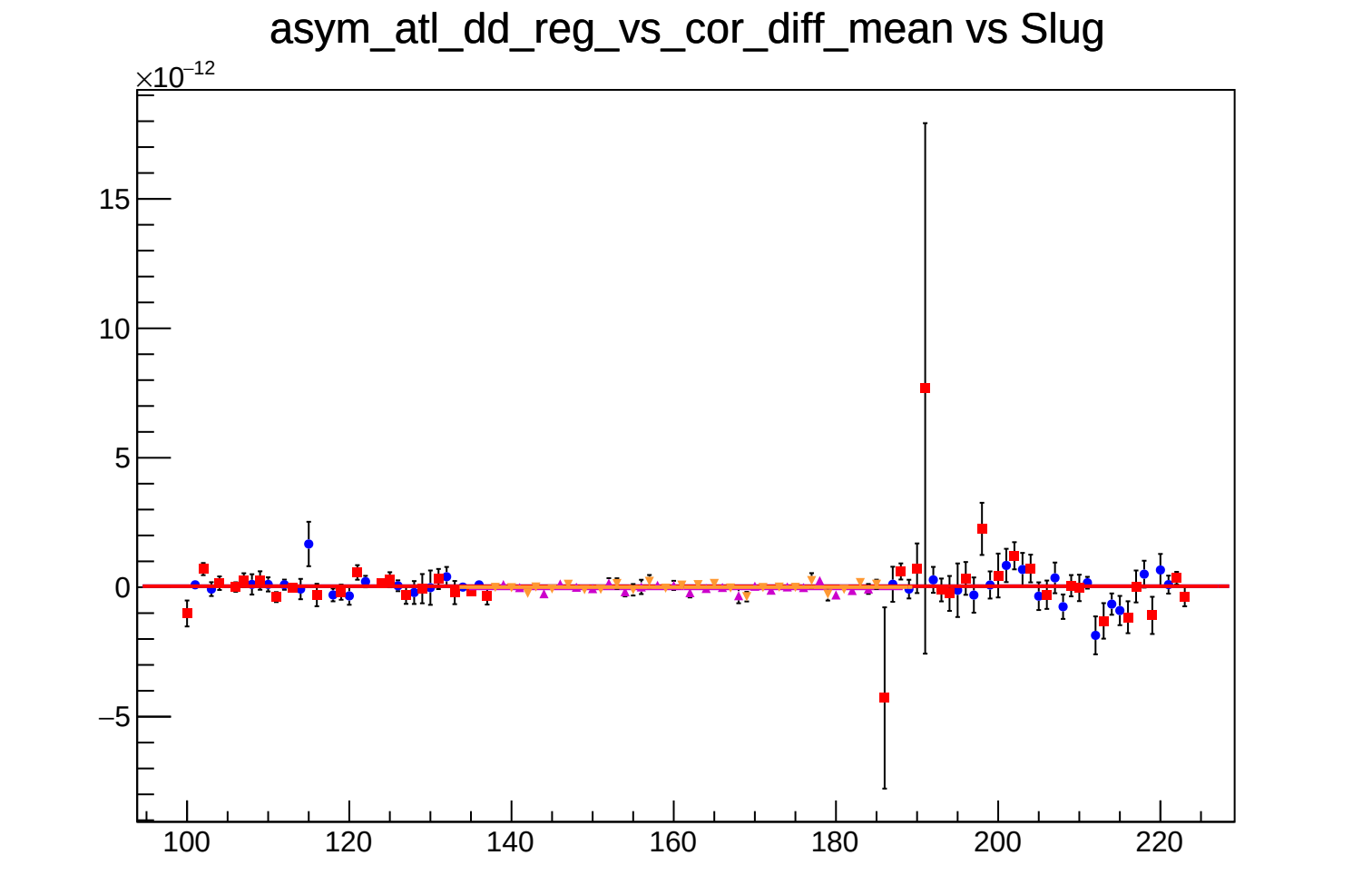
Right Out: 3820.688+/-0.602 χ^2/NDF: 4873904.5/38

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4142.090+/-0.472 χ^2/NDF: 4639338.7/58

All: 4140.115+/-0.336 χ^2/NDF: 11223044.9/1

- sign 4138.095+/-0.478 χ^2/NDF: 6583670.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

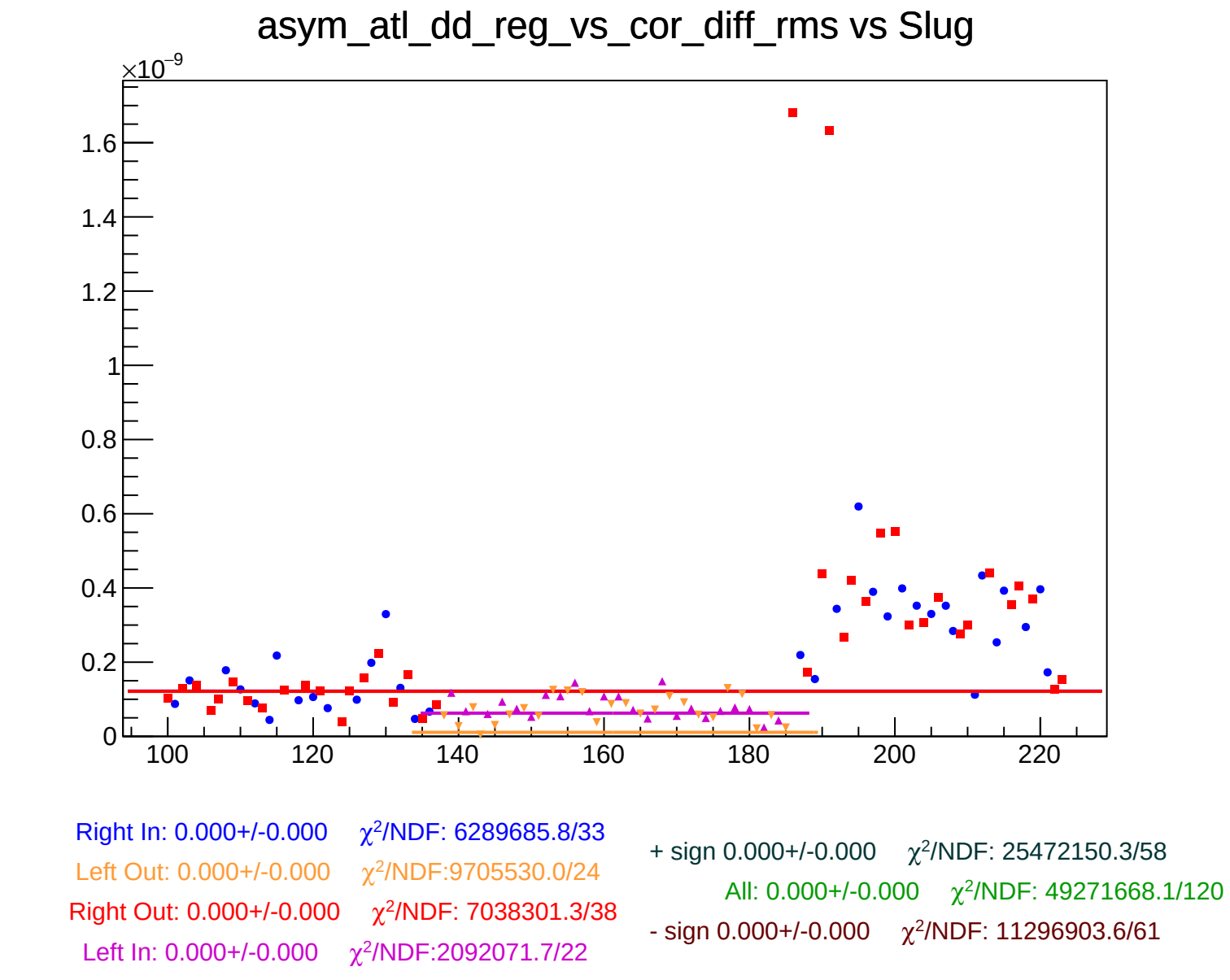
Right Out: 0.000+/-0.000 χ^2/NDF: 61.7/38

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

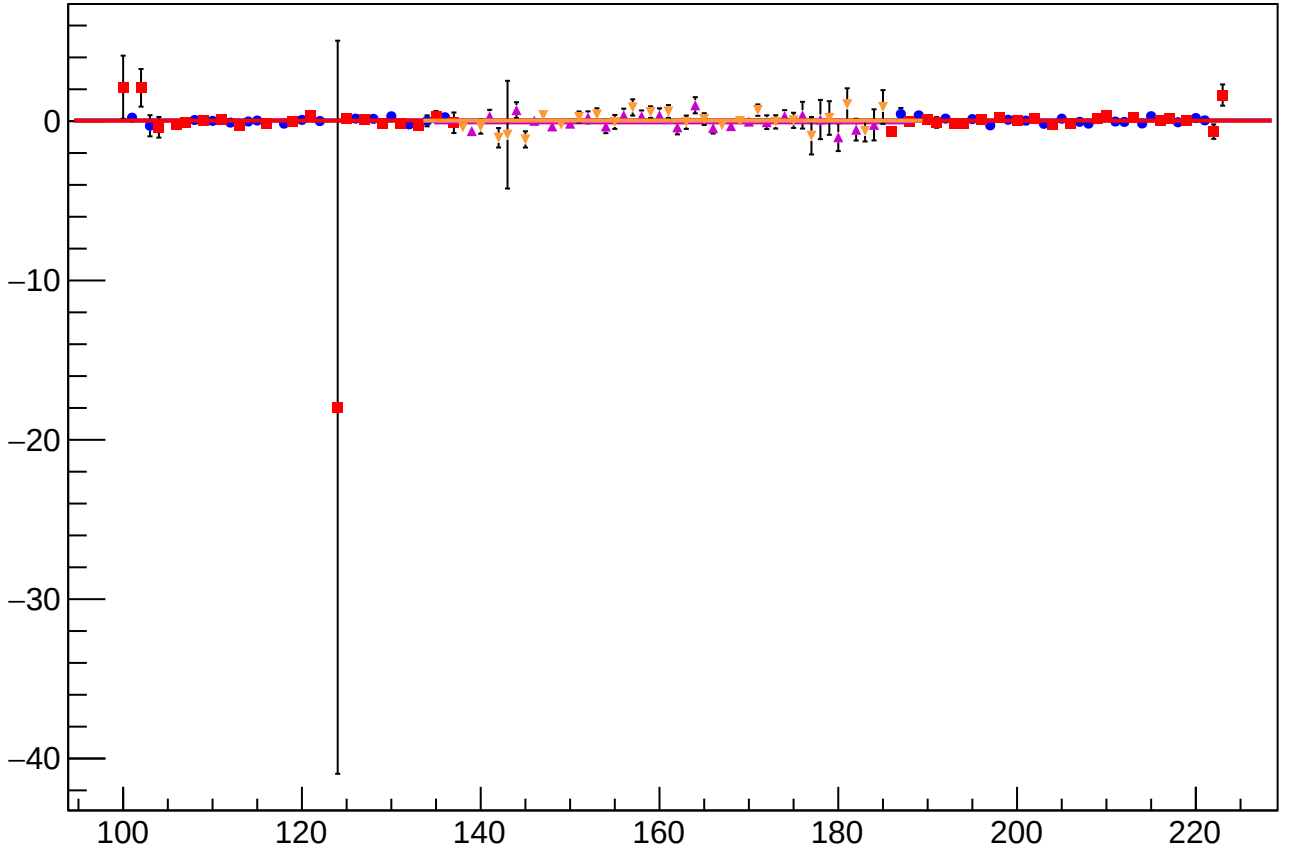
+ sign 0.000+/-0.000 χ^2/NDF: 49.4/58

All: 0.000+/-0.000 χ^2/NDF: 135.5/120

- sign -0.000+/-0.000 χ^2/NDF: 84.5/61


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6289685.8/33
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 7038301.3/38
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
+ sign 0.000+/-0.000 χ²/NDF: 25472150.3/58
All: 0.000+/-0.000 χ²/NDF: 49271668.1/120
- sign 0.000+/-0.000 χ²/NDF: 11296903.6/61

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.027 χ^2/NDF: 52.7/38

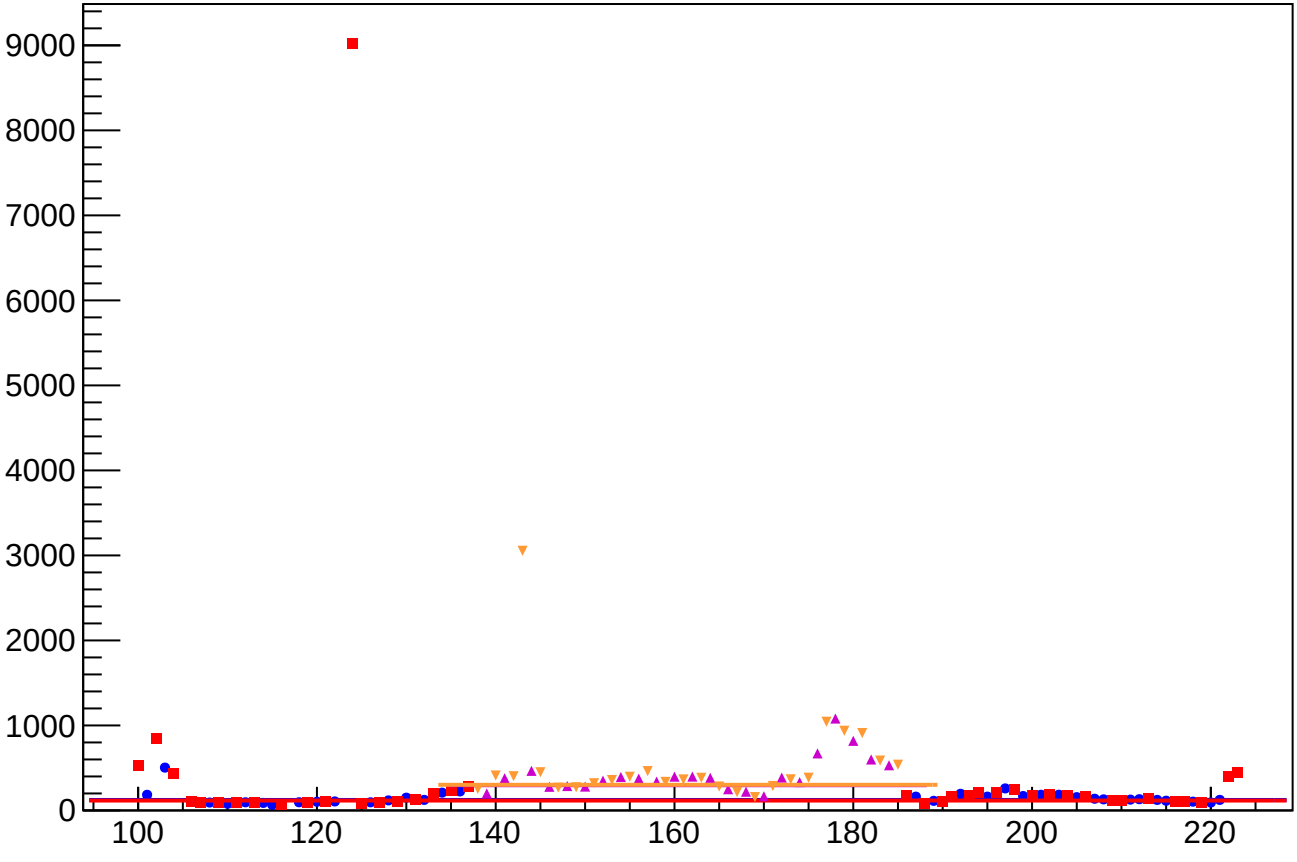
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/58

All: 0.031+/-0.019 χ^2/NDF: 139.2/120

- sign 0.020+/-0.026 χ^2/NDF: 78.7/61

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 123.275+/-0.020 χ^2/NDF: 3745659.2/33

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 116.657+/-0.019 χ^2/NDF: 6853398.2/38

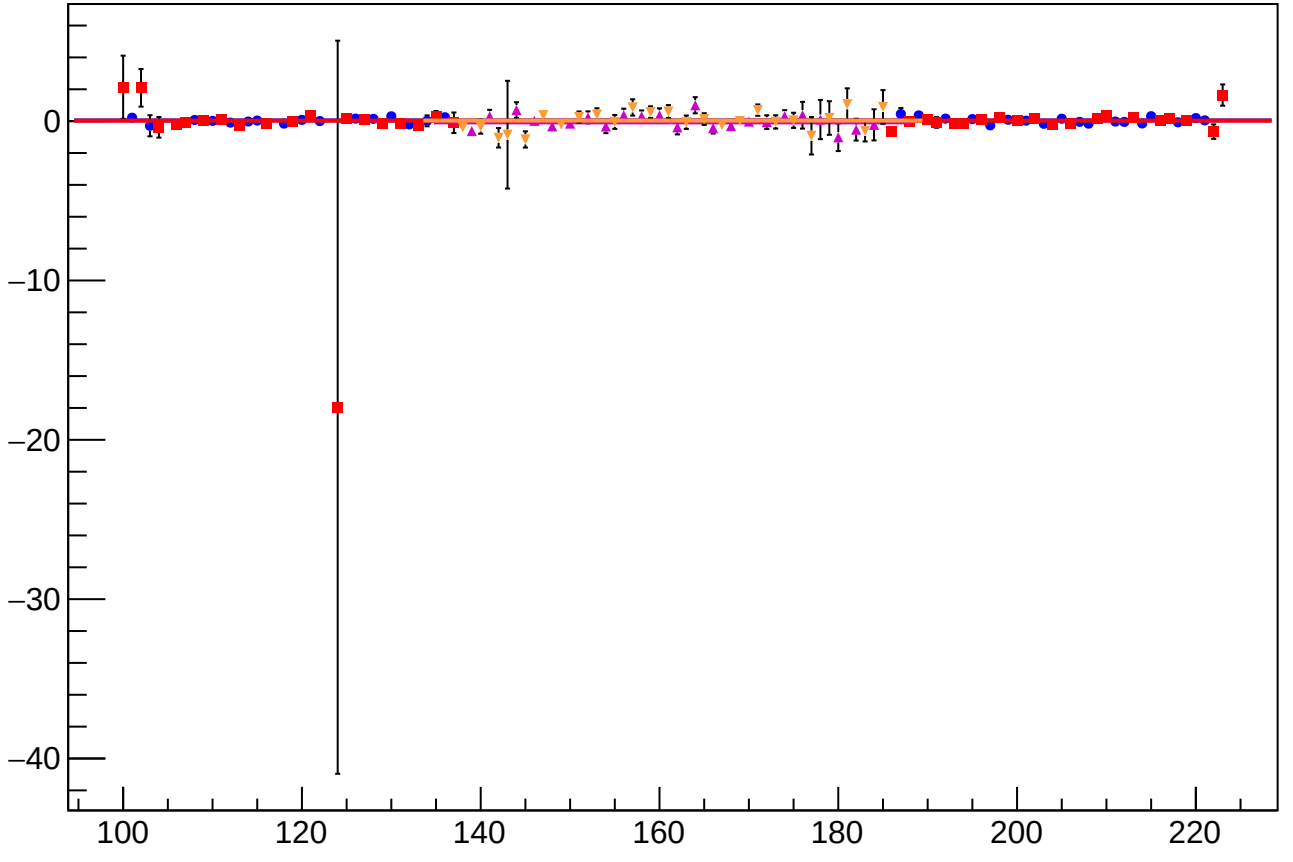
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 144.701+/-0.019 χ^2/NDF: 19909052.9/58

All: 141.045+/-0.013 χ^2/NDF: 41760402.2/12

- sign 137.614+/-0.018 χ^2/NDF: 21778426.6/61

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.027 χ^2/NDF: 52.7/38

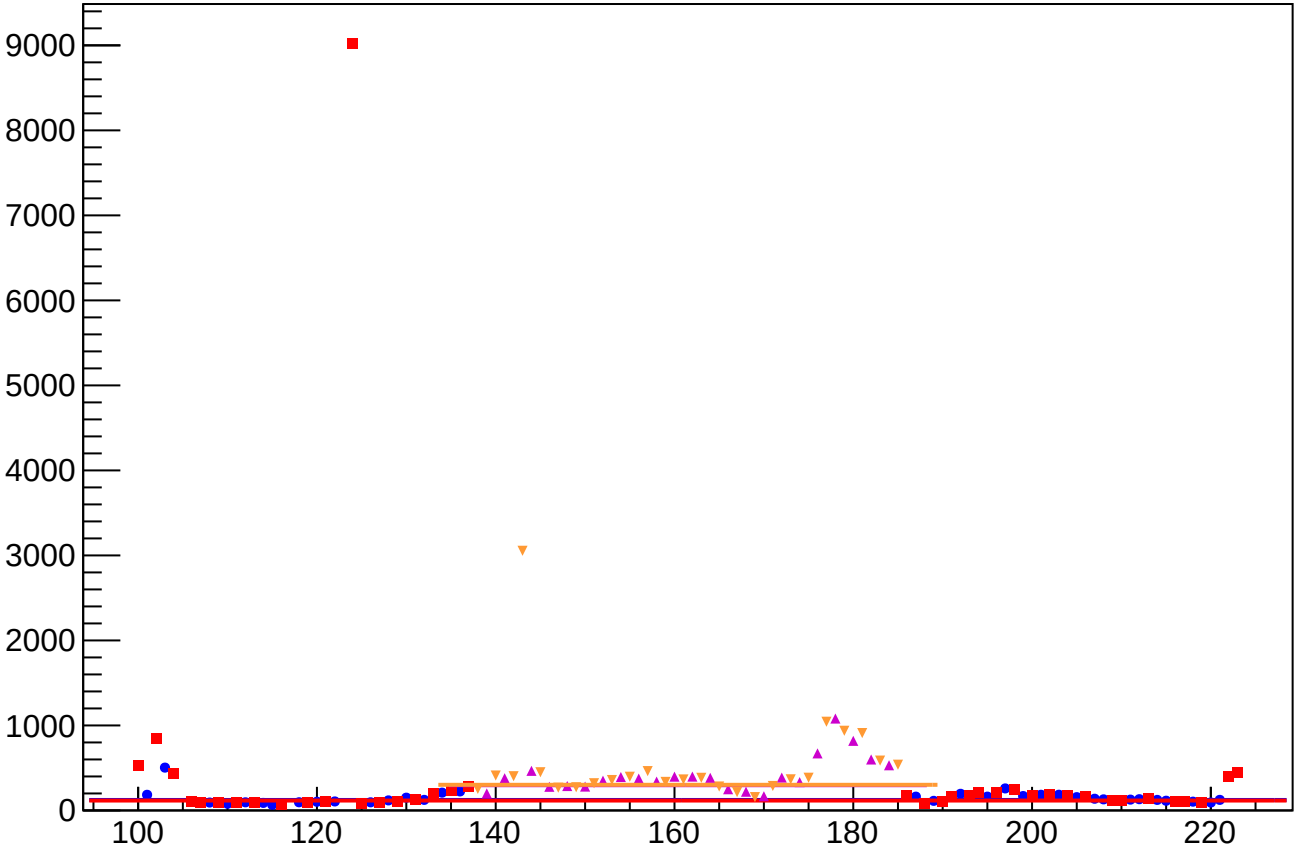
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/58

All: 0.031+/-0.019 χ^2/NDF: 139.2/120

- sign 0.020+/-0.026 χ^2/NDF: 78.7/61

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 123.275+/-0.020 χ^2/NDF: 3745659.2/33

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

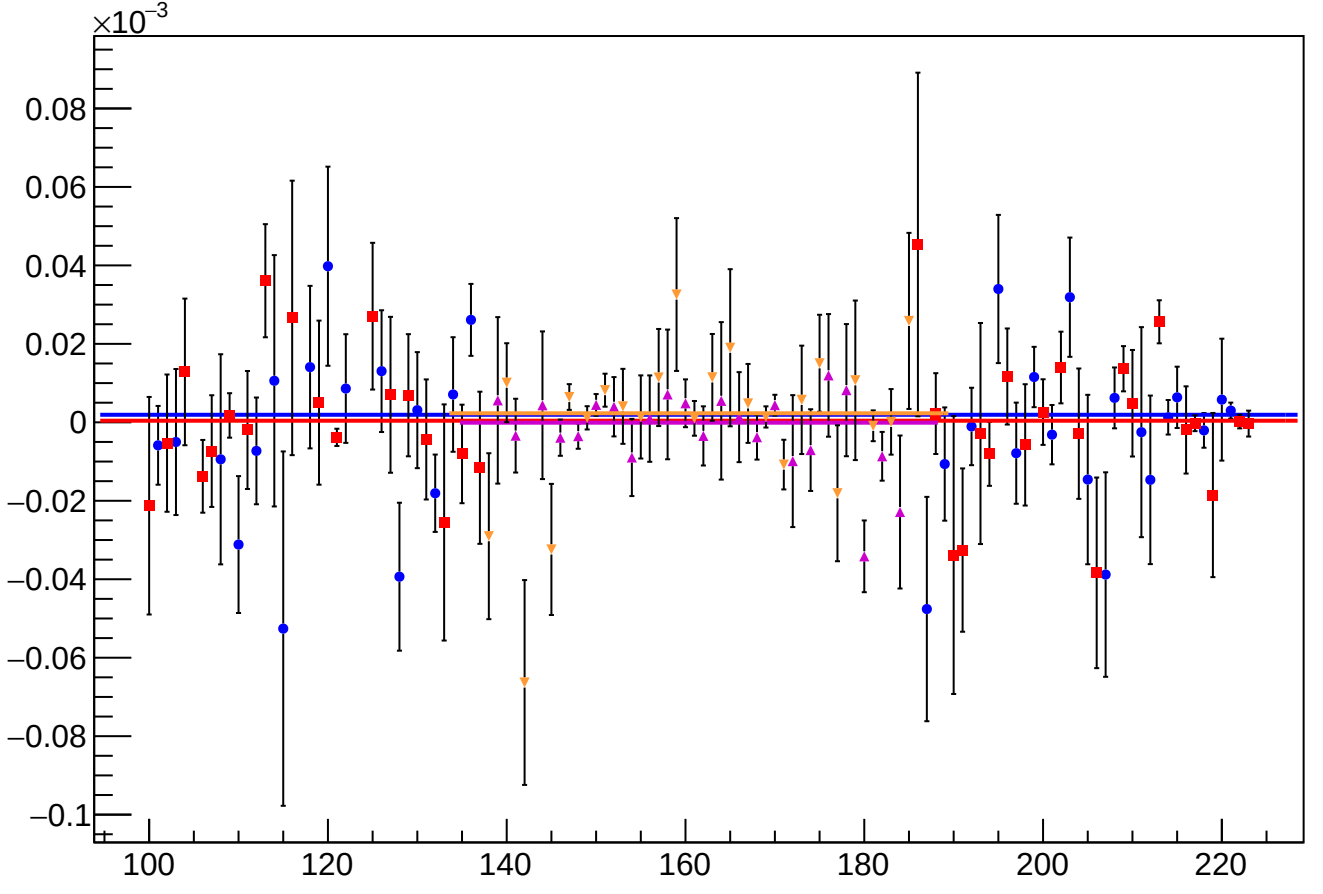
Right Out: 116.657+/-0.019 χ^2/NDF: 6853398.2/38

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 144.701+/-0.019 χ^2/NDF: 19909052.9/58

All: 141.045+/-0.013 χ^2/NDF: 41760402.2/12

- sign 137.614+/-0.018 χ^2/NDF: 21778426.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 44.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

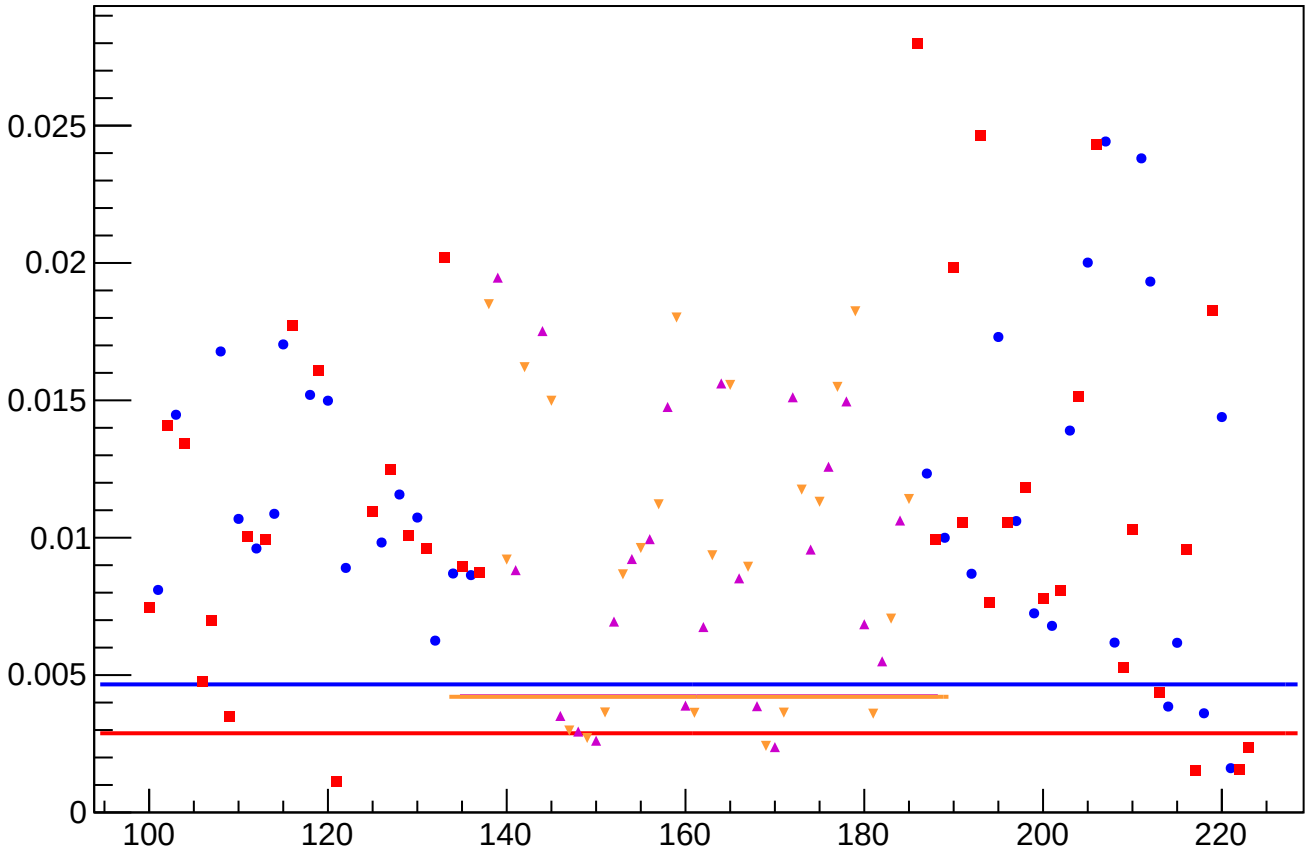
Right Out: 0.000+/-0.000 χ^2/NDF: 57.3/37

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/57

All: 0.000+/-0.000 χ^2/NDF: 164.7/118

- sign 0.000+/-0.000 χ^2/NDF: 86.5/60



Right In: 0.005+/-0.000 χ^2/NDF: 17289180.3/33

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 22756186.2/37

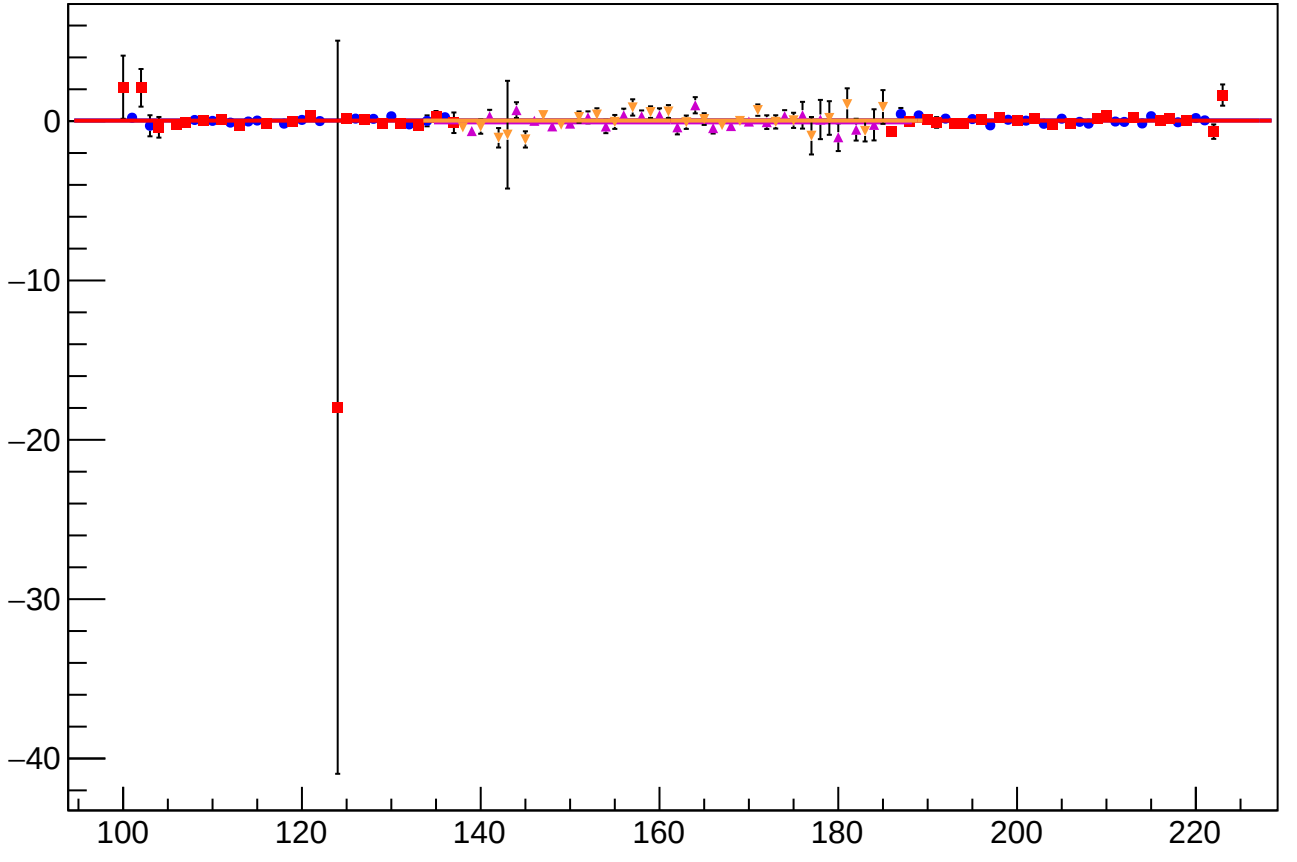
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 29484738.3/57

All: 0.004+/-0.000 χ^2/NDF: 66261711.7/118

- sign 0.003+/-0.000 χ^2/NDF: 35237673.6/60

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.027 χ^2/NDF: 52.7/38

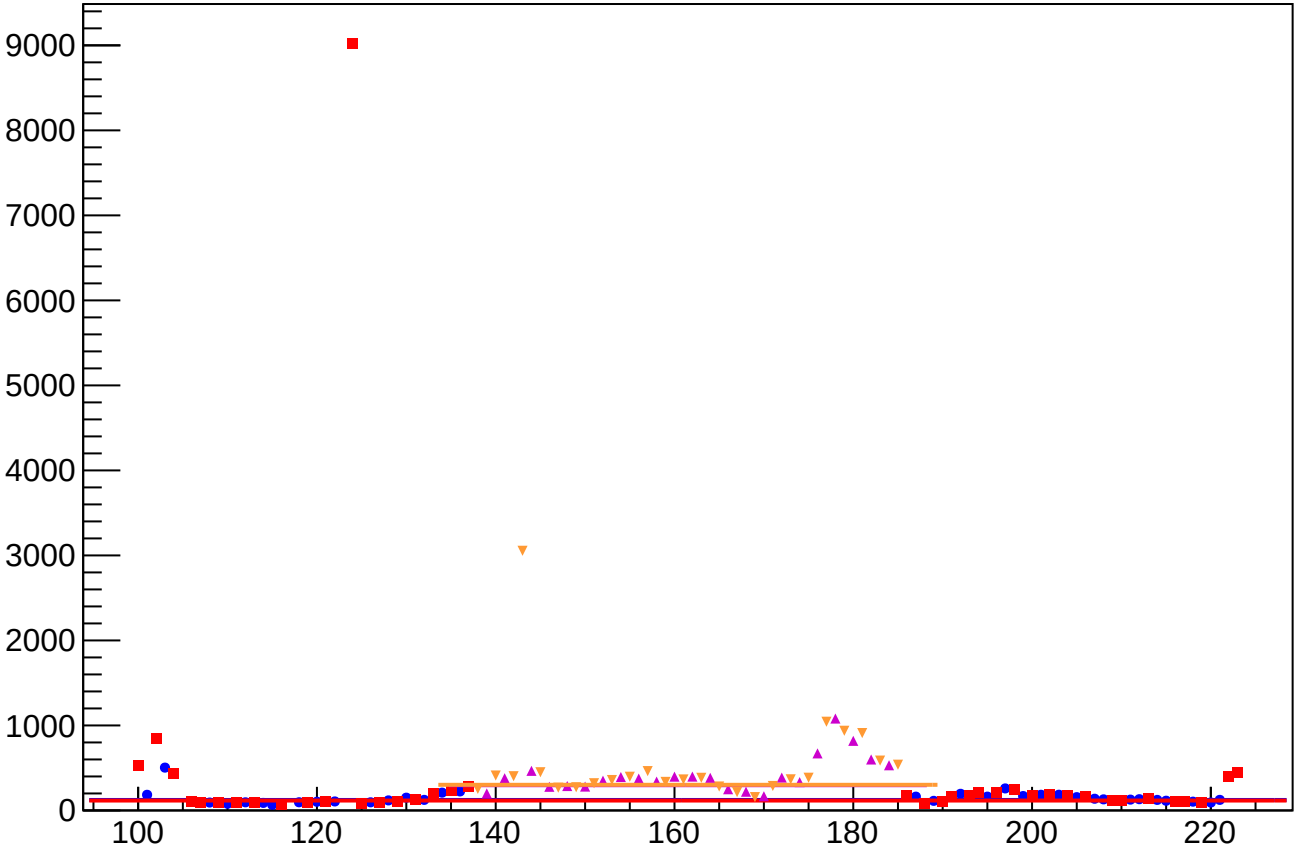
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/58

All: 0.031+/-0.019 χ^2/NDF: 139.2/120

- sign 0.020+/-0.026 χ^2/NDF: 78.7/61

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 123.277+/-0.020 χ^2/NDF: 3745598.0/33

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

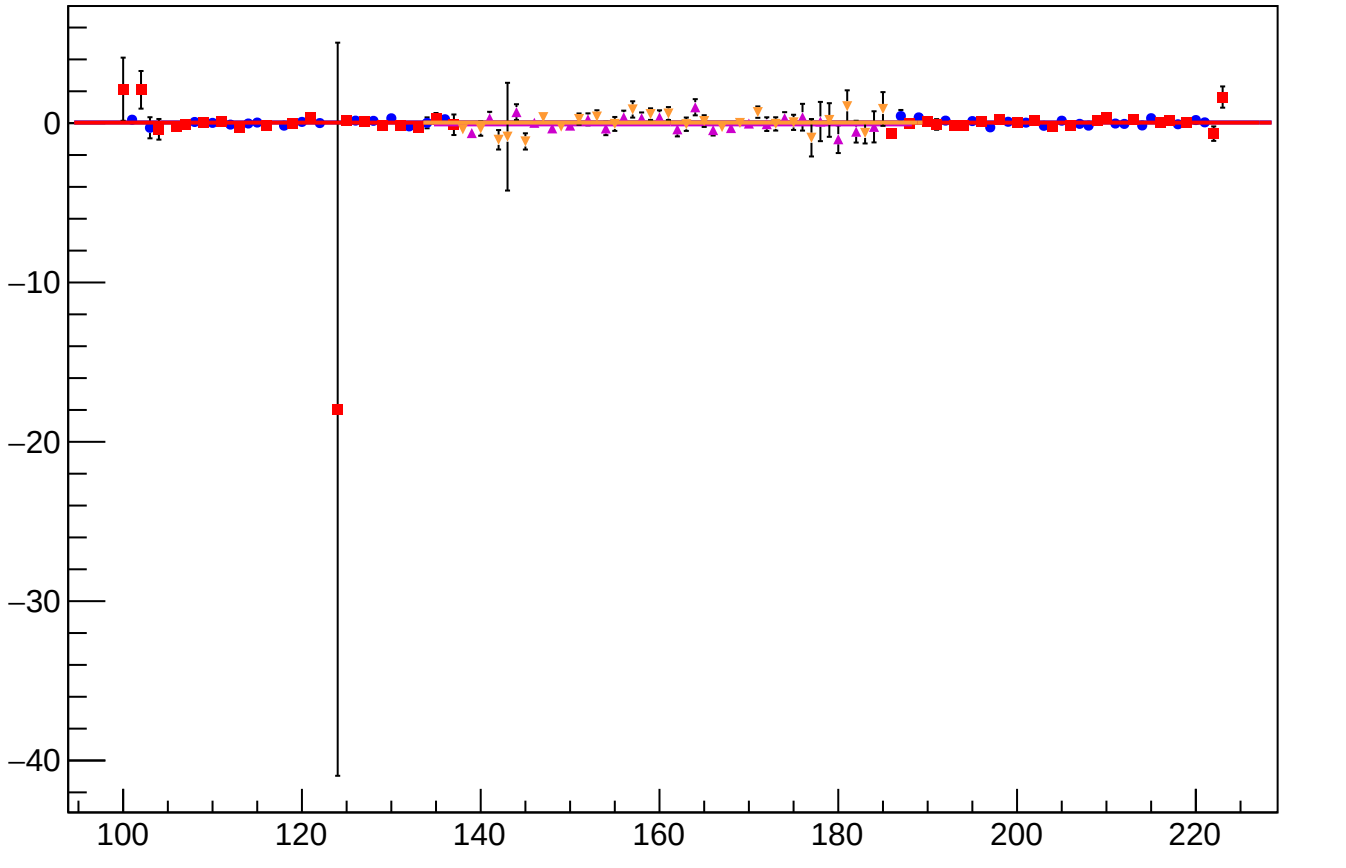
Right Out: 116.658+/-0.019 χ^2/NDF: 6853273.5/38

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 144.703+/-0.019 χ^2/NDF: 19908921.8/58

All: 141.047+/-0.013 χ^2/NDF: 41760109.3/12

- sign 137.615+/-0.018 χ^2/NDF: 21778260.3/61



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

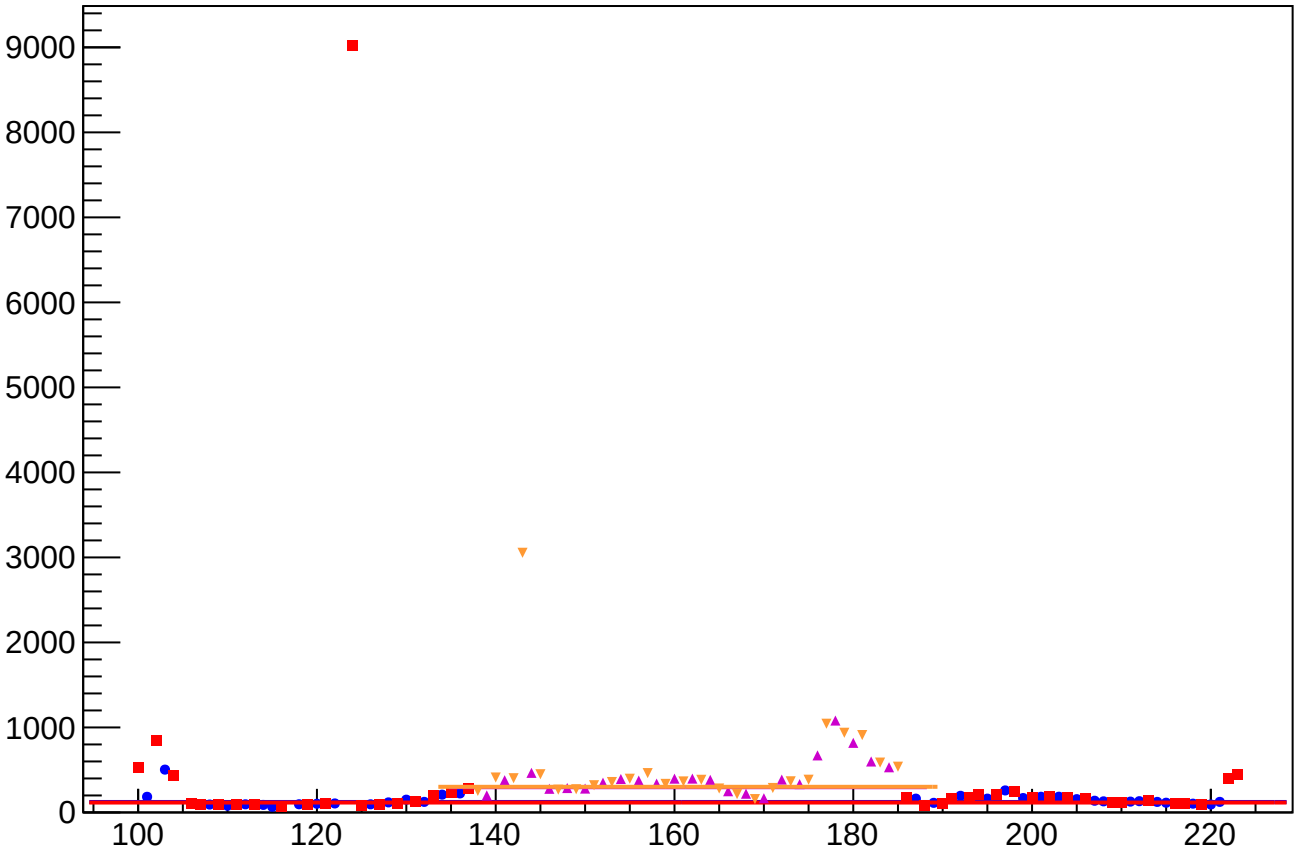
Right Out: 0.032+/-0.027 χ^2/NDF: 52.7/38

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/58

All: 0.031+/-0.019 χ^2/NDF: 139.2/120

- sign 0.020+/-0.026 χ^2/NDF: 78.7/61



Right In: 123.277+/-0.020 χ^2/NDF: 3745598.0/33

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

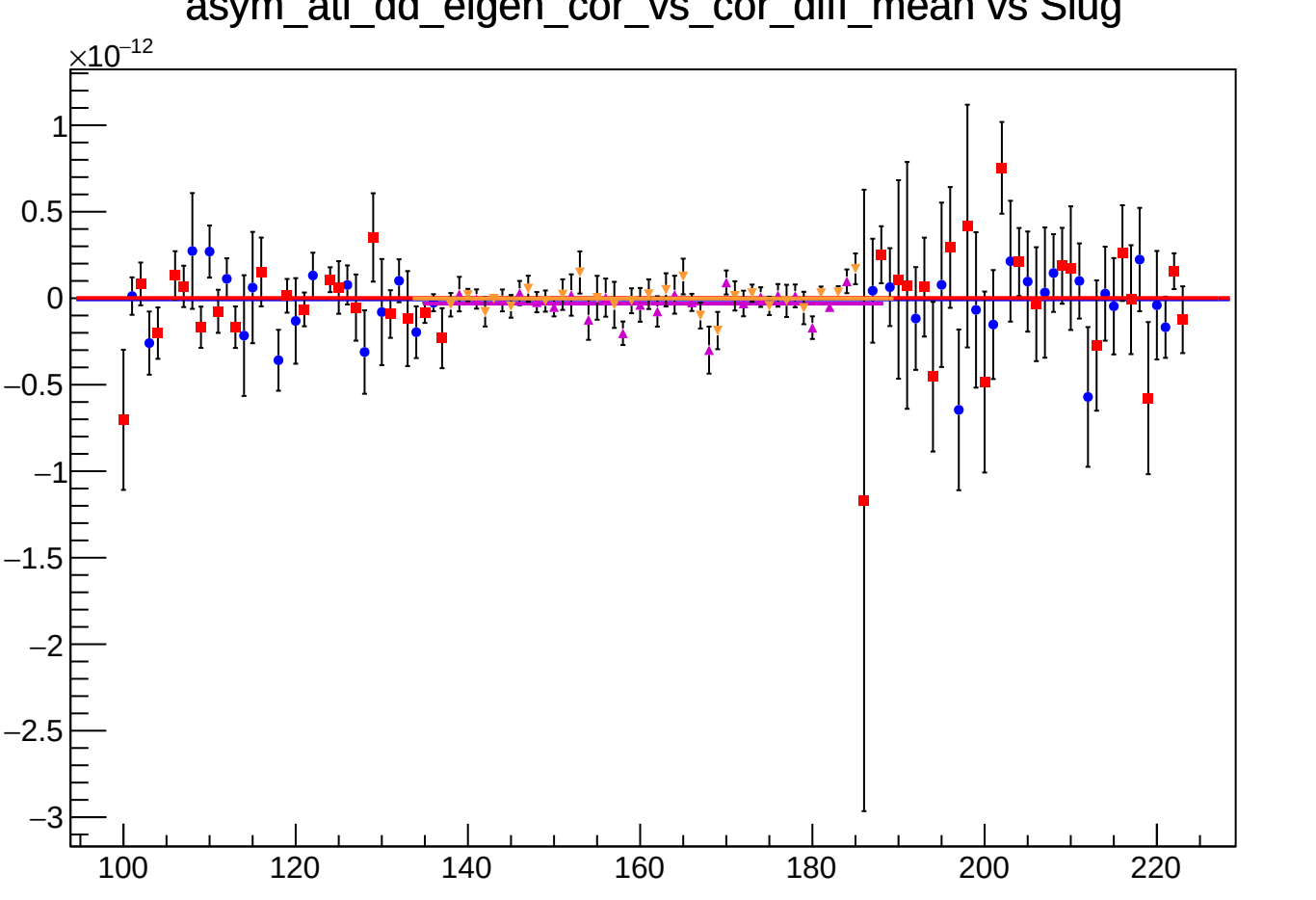
Right Out: 116.658+/-0.019 χ^2/NDF: 6853273.5/38

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 144.703+/-0.019 χ^2/NDF: 19908921.8/58

All: 141.047+/-0.013 χ^2/NDF: 41760109.3/12

- sign 137.615+/-0.018 χ^2/NDF: 21778260.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 42.6/38

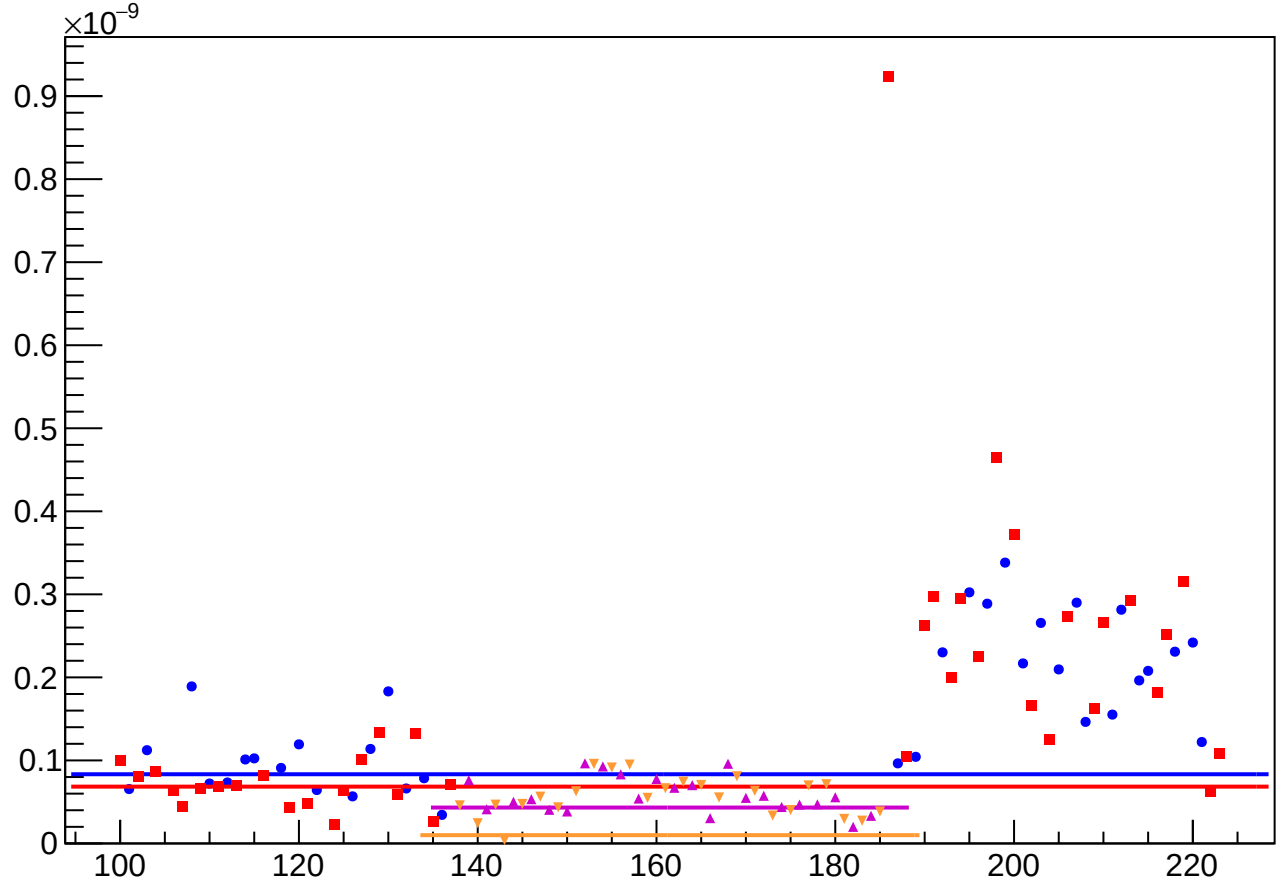
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/58

All: -0.000+/-0.000 χ^2/NDF: 115.6/120

- sign -0.000+/-0.000 χ^2/NDF: 70.3/61

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9350173.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10809546.3/38

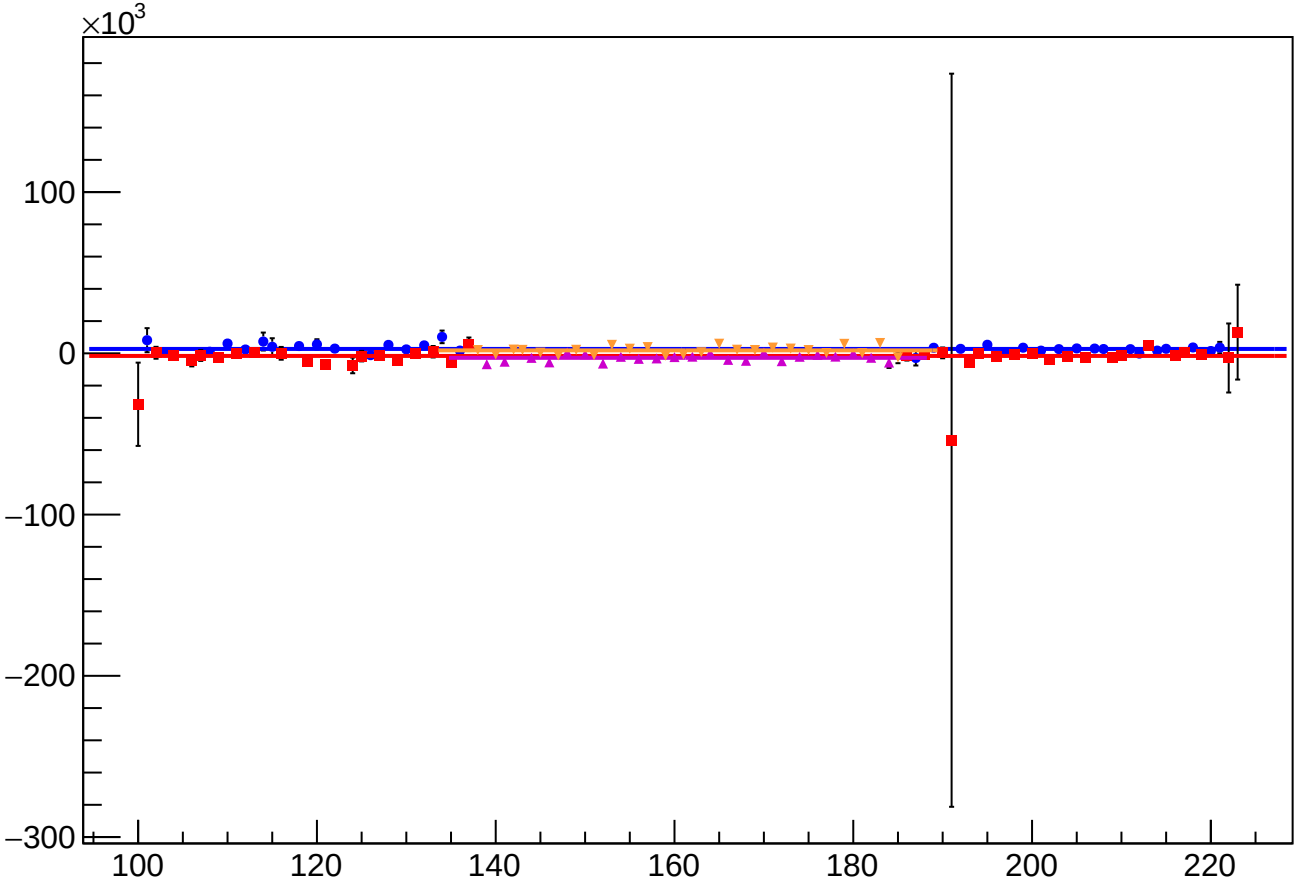
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 40513135.3/58

All: 0.000+/-0.000 χ^2/NDF: 73582543.7/120

- sign 0.000+/-0.000 χ^2/NDF: 16487402.9/61

reg_asym_atr_avg_mean vs Slug



Right In: 2737.463+/-426.144 χ^2/NDF: 19.1/33

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -1602.532+/-427.136 χ^2/NDF: 34.4/38

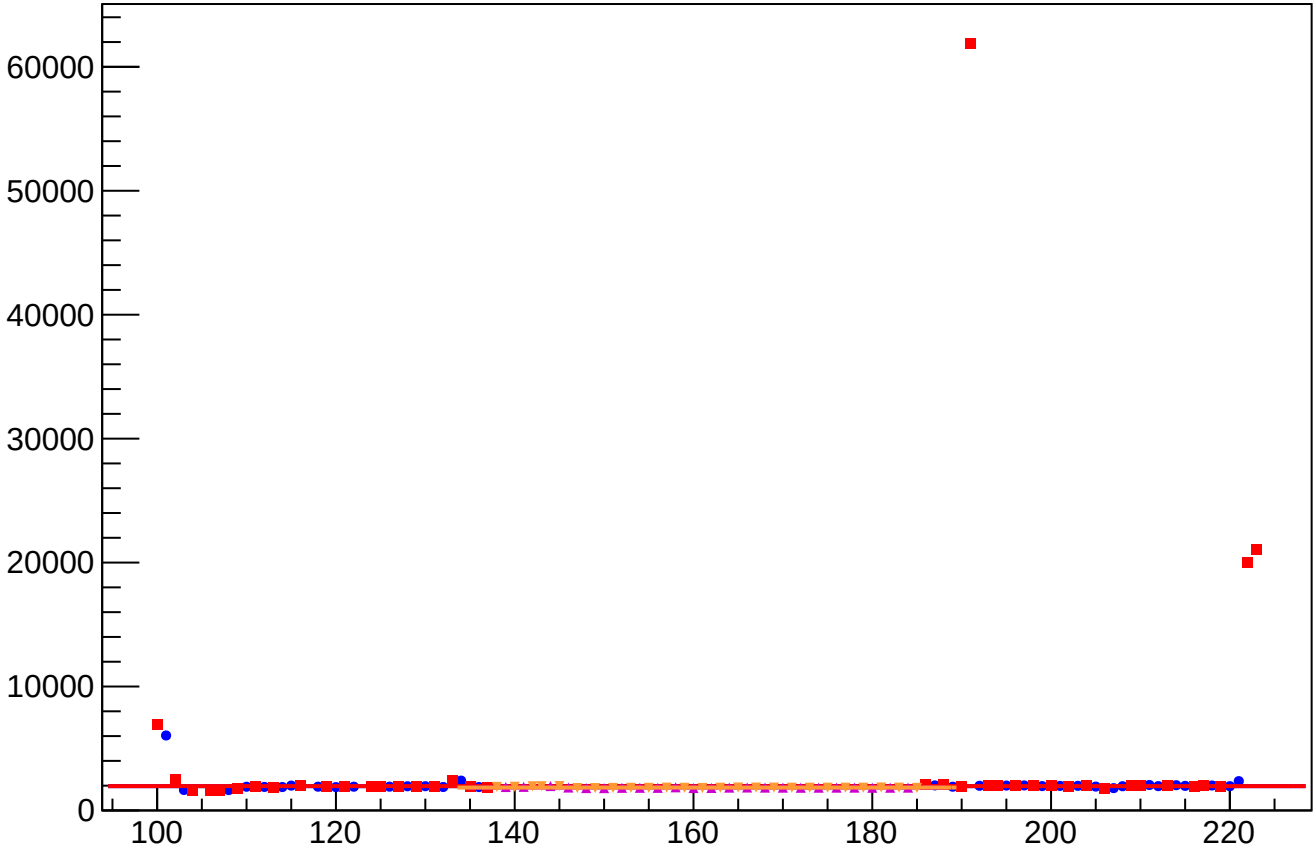
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2288.309+/-299.135 χ^2/NDF: 52.8/58

All: 83.359+/-212.993 χ^2/NDF: 226.6/120

- sign -2184.046+/-303.342 χ^2/NDF: 63.6/61

reg_asym_atr_avg_rms vs Slug



Right In: 1959.259+/-0.301 χ^2/NDF: 755379.4/33

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1963.549+/-0.302 χ^2/NDF: 2695570.1/38

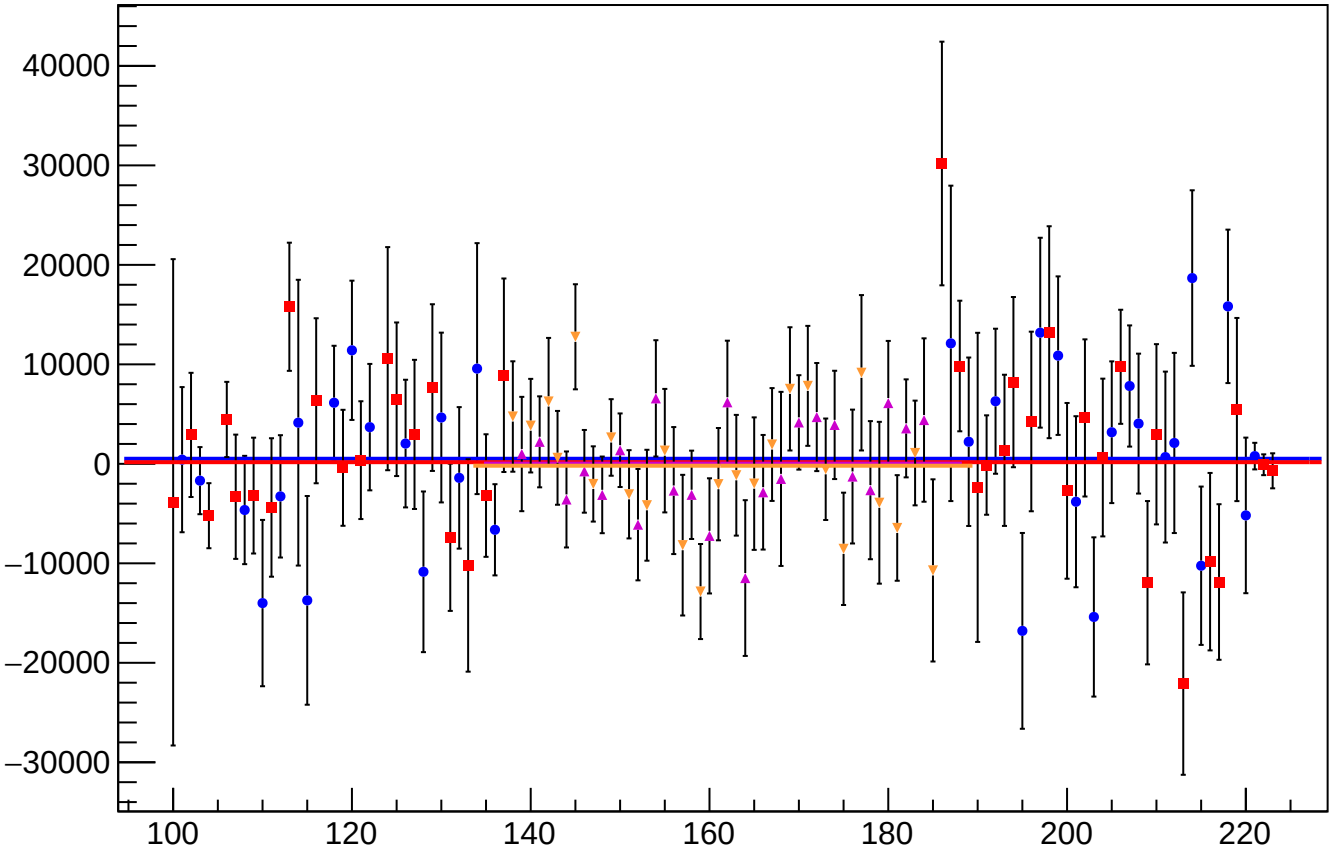
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1903.087+/-0.212 χ^2/NDF: 844772.8/58

All: 1903.979+/-0.151 χ^2/NDF: 3630781.7/12

- sign 1904.895+/-0.214 χ^2/NDF: 2785972.9/61

asym_atr_avg_reg_correction_mean vs Slug



Right In: 510.007+/-906.983 χ^2/NDF: 39.9/33

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 166.504+/-706.984 χ^2/NDF: 43.8/38

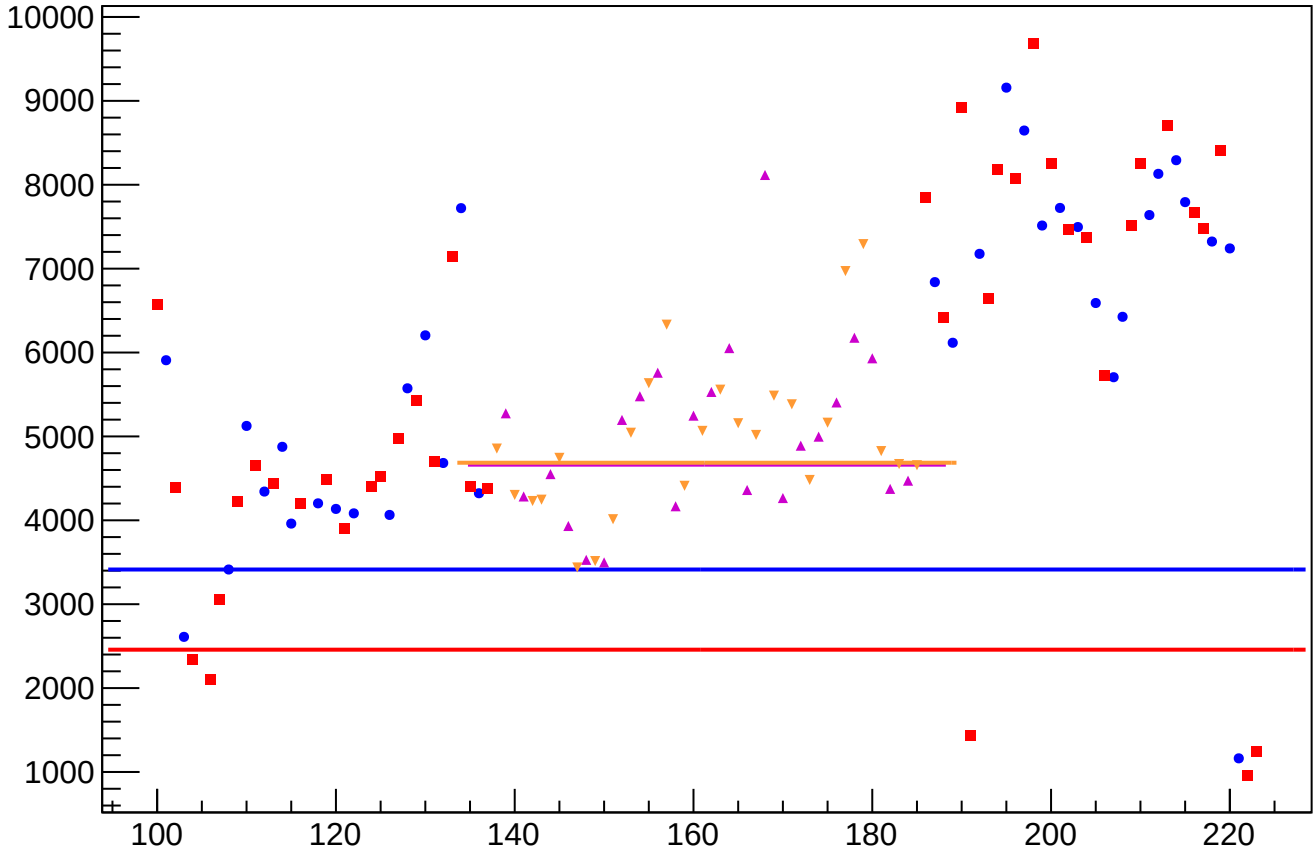
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign 223.415+/-696.826 χ^2/NDF: 69.1/58

All: 166.166+/-453.236 χ^2/NDF: 126.7/120

- sign 124.187+/-596.702 χ^2/NDF: 57.5/61

asym_atr_avg_reg_correction_rms vs Slug



Right In: 3413.494+/-0.641 χ^2/NDF: 14967082.7/33

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 2457.890+/-0.500 χ^2/NDF: 20584983.0/38

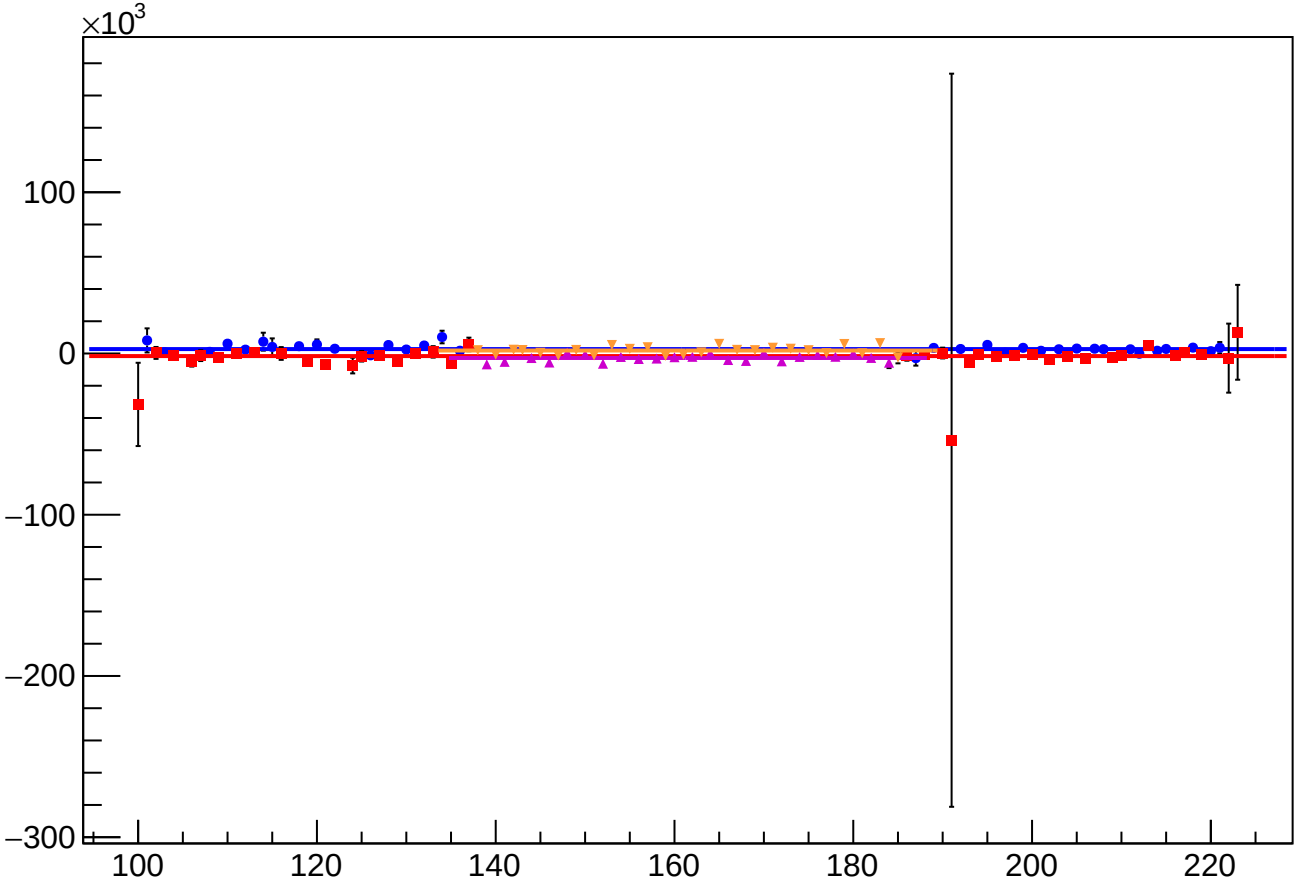
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 3935.023+/-0.493 χ^2/NDF: 17766097.1/58

All: 3448.795+/-0.320 χ^2/NDF: 46923678.0/1

- sign 3092.257+/-0.422 χ^2/NDF: 27469756.3/61

cor_asym_atr_avg_mean vs Slug



Right In: 2737.177+/-426.144 χ^2/NDF: 19.1/33

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1602.969+/-427.137 χ^2/NDF: 34.4/38

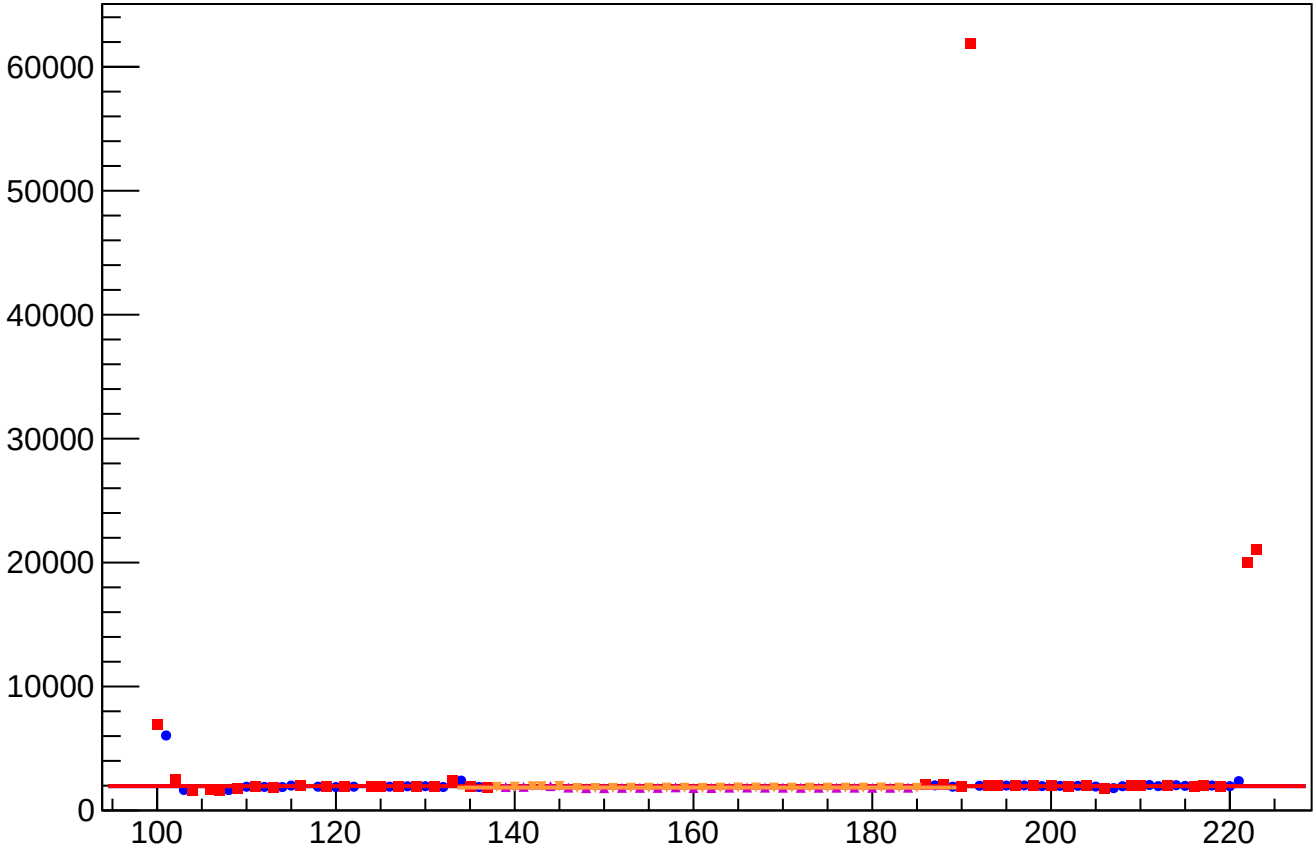
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2288.112+/-299.136 χ^2/NDF: 52.8/58

All: 83.158+/-212.993 χ^2/NDF: 226.6/120

- sign -2184.256+/-303.343 χ^2/NDF: 63.6/61

cor_asym_atr_avg_rms vs Slug



Right In: 1959.260+/-0.301 χ^2/NDF: 755378.5/33

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1965.090+/-0.302 χ^2/NDF: 2686751.0/38

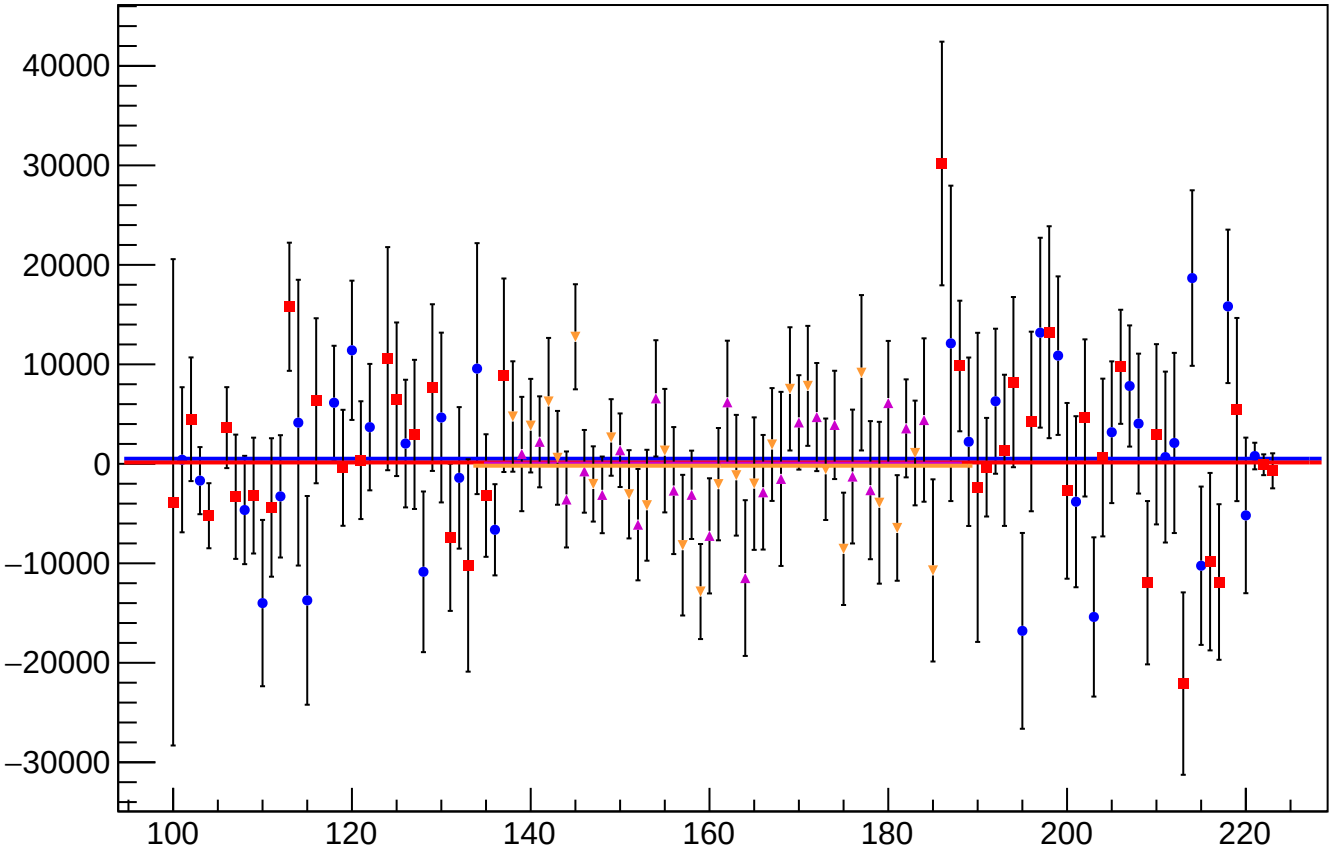
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1903.088+/-0.212 χ^2/NDF: 844772.0/58

All: 1904.342+/-0.151 χ^2/NDF: 3623943.9/12

- sign 1905.632+/-0.214 χ^2/NDF: 2779100.5/61

asym_atr_avg_cor_correction_mean vs Slug



Right In: 513.175+/-907.110 χ^2/NDF: 39.9/33

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 136.867+/-708.497 χ^2/NDF: 43.5/38

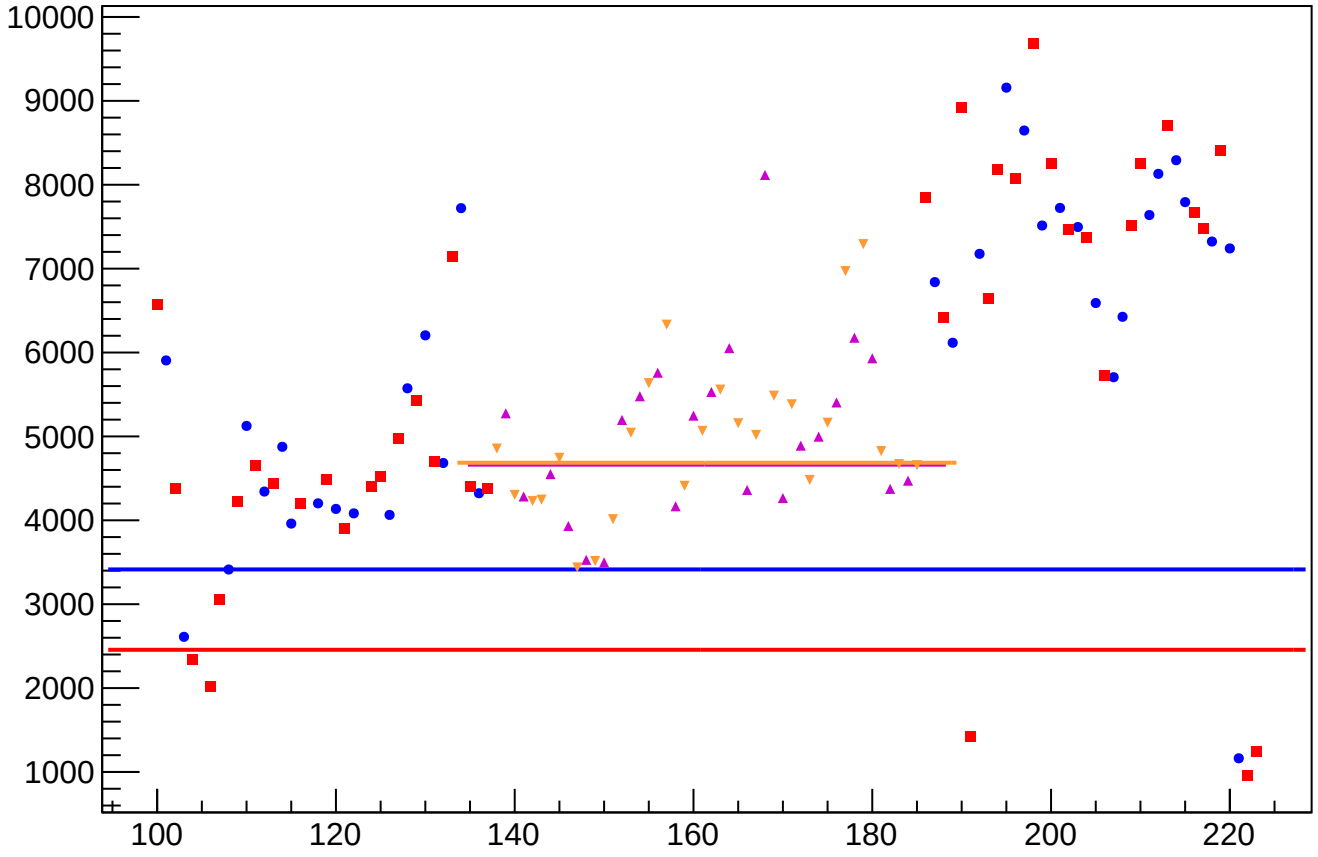
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign 225.225+/-696.884 χ^2/NDF: 69.1/58

All: 154.785+/-453.649 χ^2/NDF: 126.4/120

- sign 102.984+/-597.611 χ^2/NDF: 57.3/61

asym_atr_avg_cor_correction_rms vs Slug



Right In: 3414.336+/-0.641 χ^2/NDF: 14961231.2/33

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 2456.473+/-0.501 χ^2/NDF: 20592450.7/38

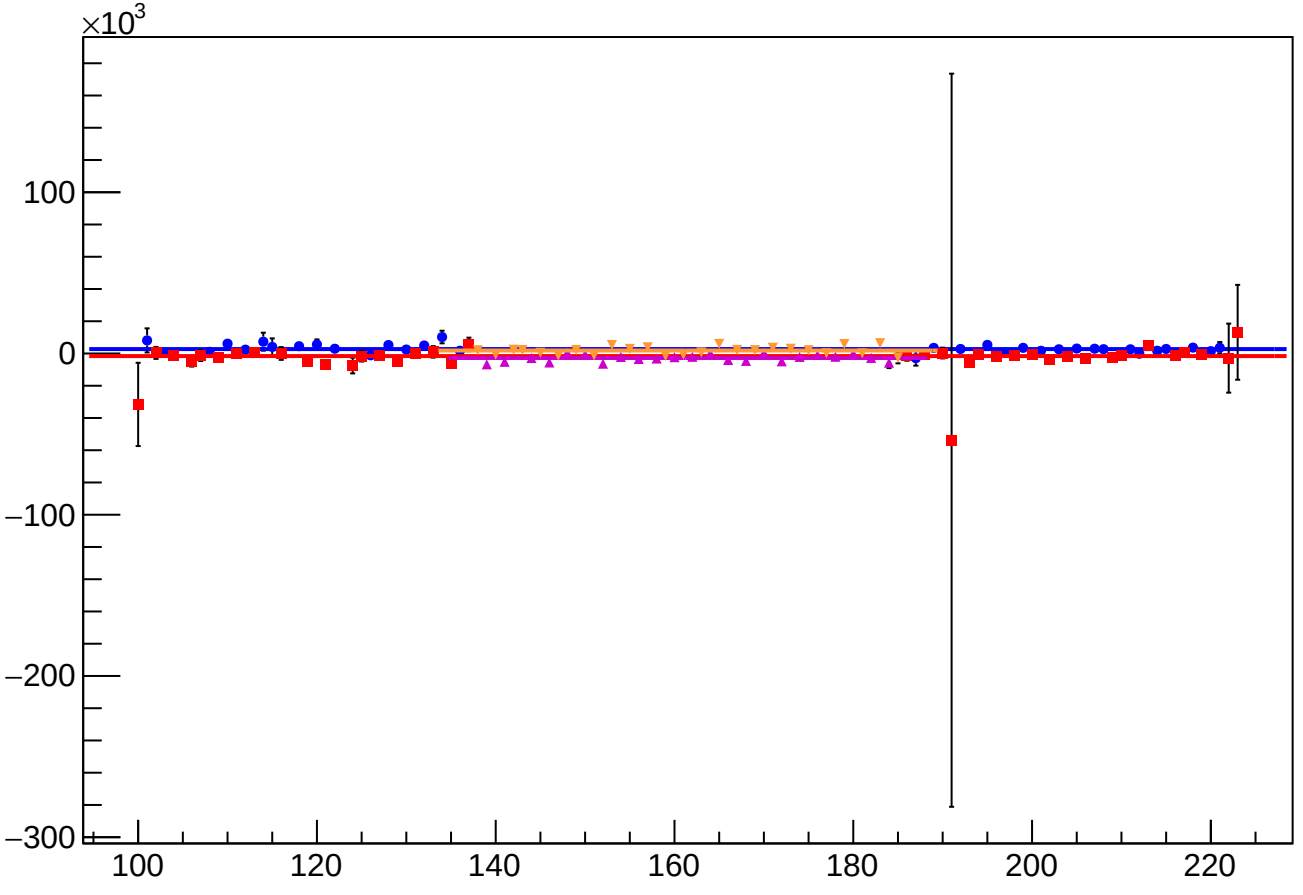
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 3935.604+/-0.493 χ^2/NDF: 17757935.5/58

All: 3450.166+/-0.321 χ^2/NDF: 46919573.8/1

- sign 3093.183+/-0.423 χ^2/NDF: 27477524.4/61

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2737.177+/-426.144 χ^2/NDF: 19.1/33

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1602.969+/-427.137 χ^2/NDF: 34.4/38

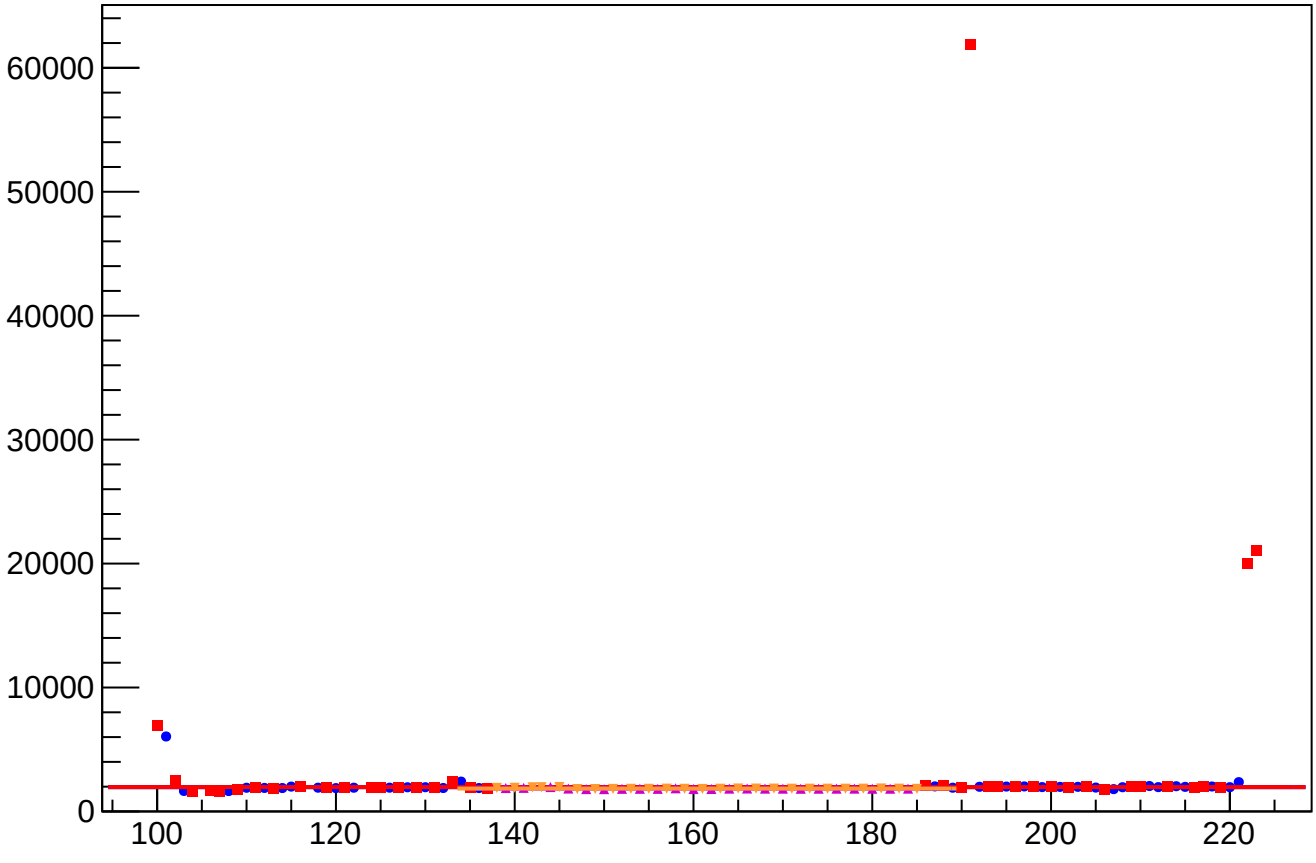
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2288.112+/-299.136 χ^2/NDF: 52.8/58

All: 83.158+/-212.993 χ^2/NDF: 226.6/120

- sign -2184.256+/-303.343 χ^2/NDF: 63.6/61

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1959.260+/-0.301 χ^2/NDF: 755378.5/33

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1965.090+/-0.302 χ^2/NDF: 2686751.0/38

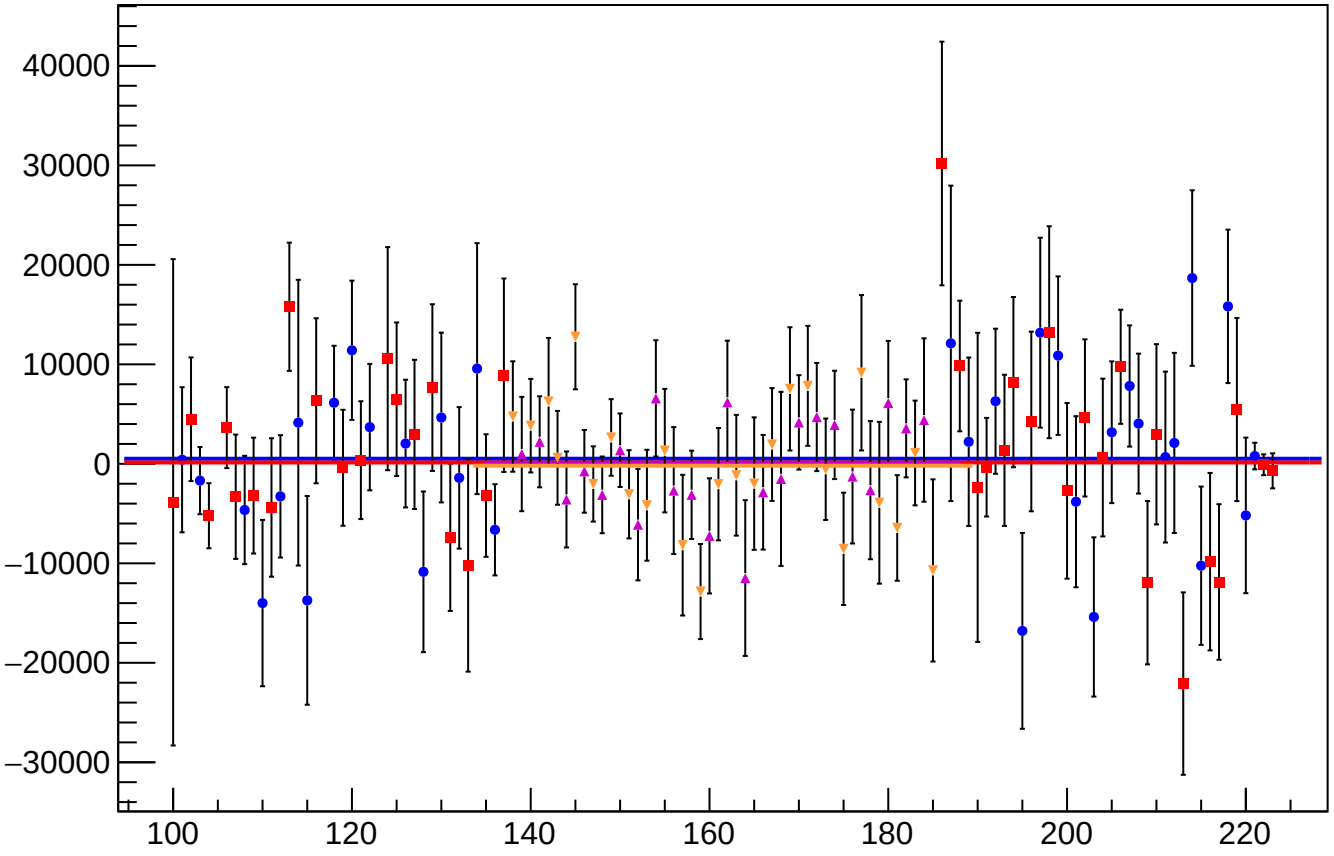
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1903.088+/-0.212 χ^2/NDF: 844772.0/58

All: 1904.342+/-0.151 χ^2/NDF: 3623943.9/12

- sign 1905.632+/-0.214 χ^2/NDF: 2779100.5/61

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: 513.175+/-907.110 χ^2/NDF: 39.9/33

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 136.867+/-708.497 χ^2/NDF: 43.5/38

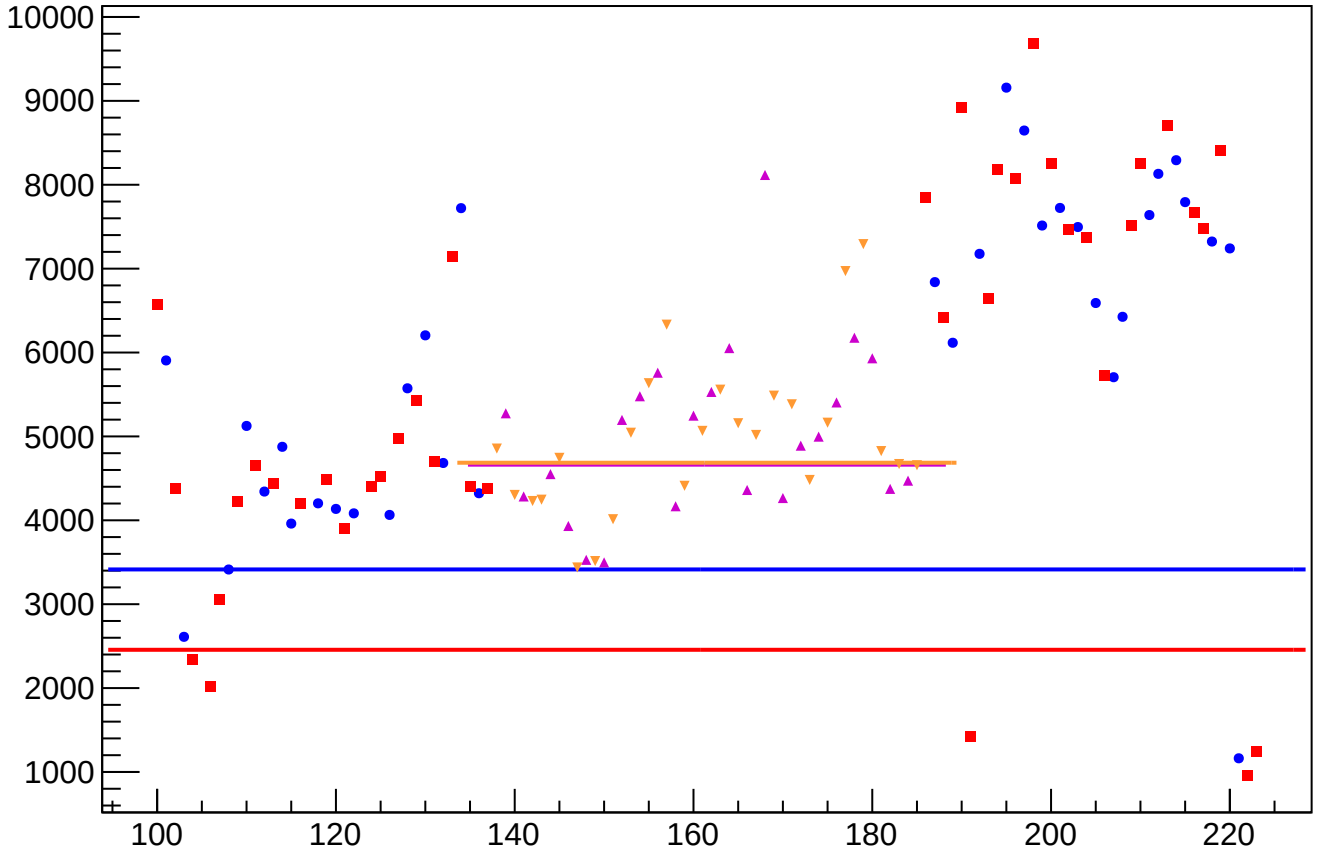
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

\+ sign 225.225+/-696.884 χ^2/NDF: 69.1/58

All: 154.785+/-453.649 χ^2/NDF: 126.4/120

\- sign 102.984+/-597.611 χ^2/NDF: 57.3/61

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 3414.336+/-0.641 χ^2/NDF: 14961231.2/33

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 2456.473+/-0.501 χ^2/NDF: 20592450.7/38

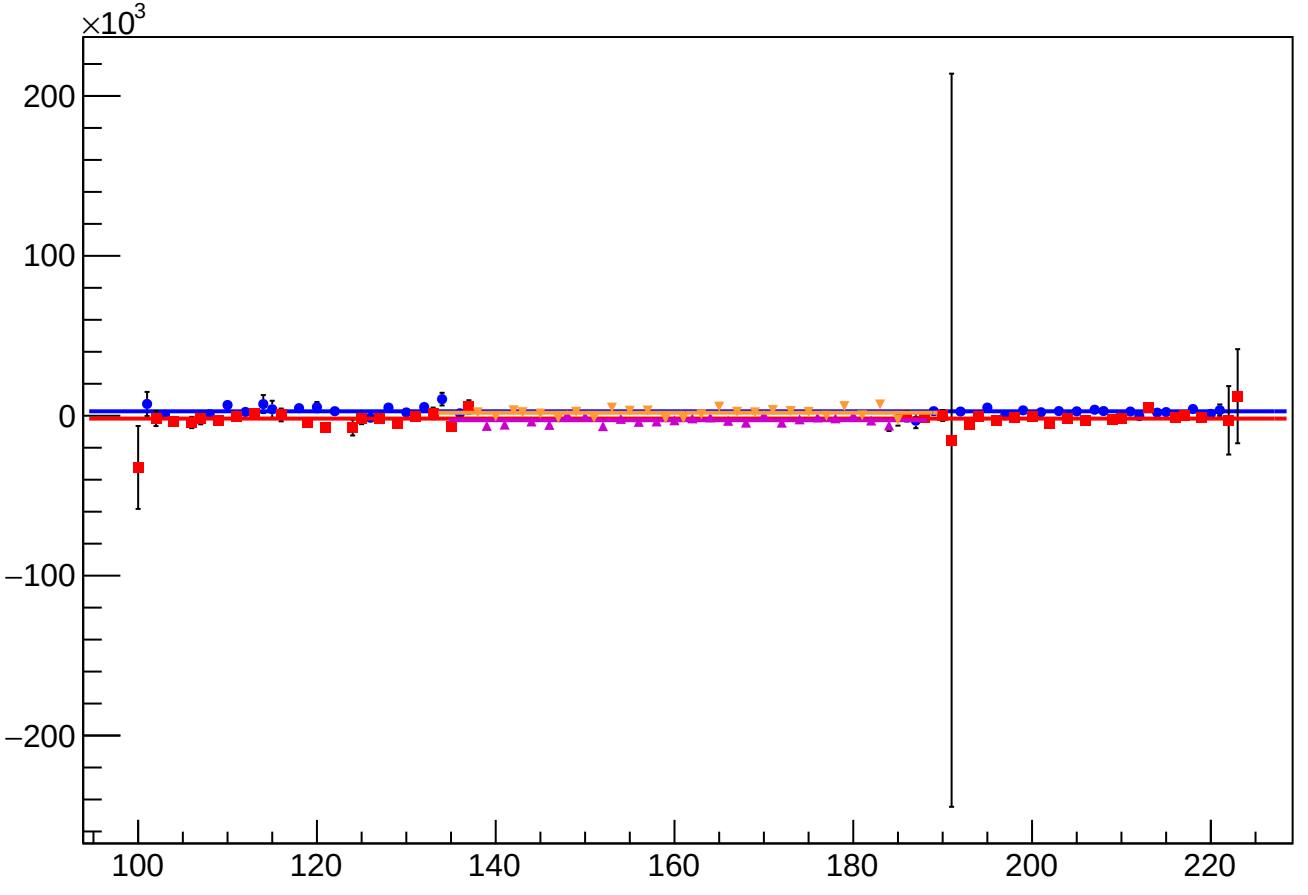
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 3935.604+/-0.493 χ^2/NDF: 17757935.5/58

All: 3450.166+/-0.321 χ^2/NDF: 46919573.8/1

- sign 3093.183+/-0.423 χ^2/NDF: 27477524.4/61

dit_asym_atr_avg_mean vs Slug



Right In: 2774.625+/-433.393 χ^2/NDF: 20.1/33

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -1772.913+/-435.505 χ^2/NDF: 36.0/38

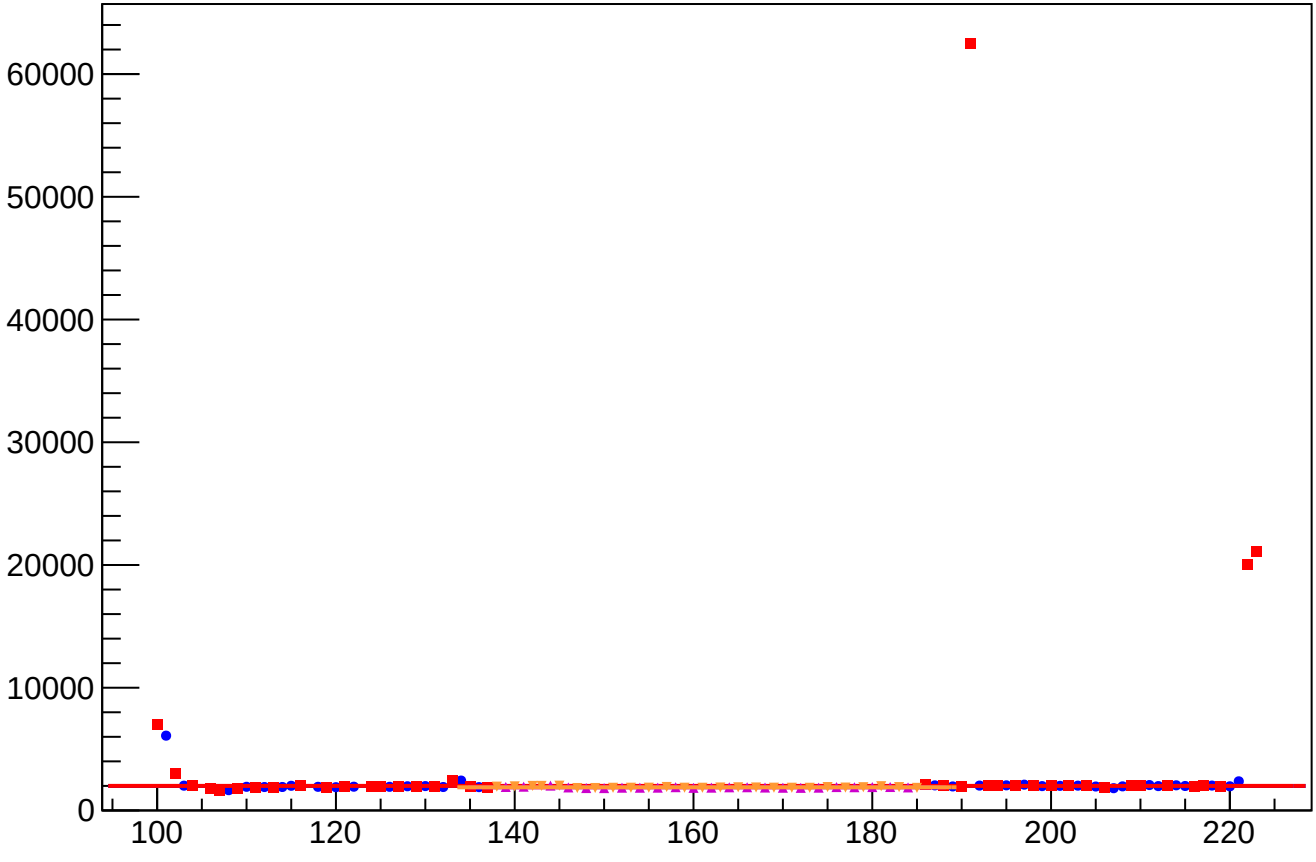
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2323.203+/-304.883 χ^2/NDF: 55.2/58

All: 53.755+/-217.115 χ^2/NDF: 231.7/120

- sign -2281.302+/-309.259 χ^2/NDF: 64.2/61

dit_asym_atr_avg_rms vs Slug



Right In: 1993.243+/-0.306 χ^2/NDF: 719246.7/33

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 2000.697+/-0.308 χ^2/NDF: 2696425.1/38

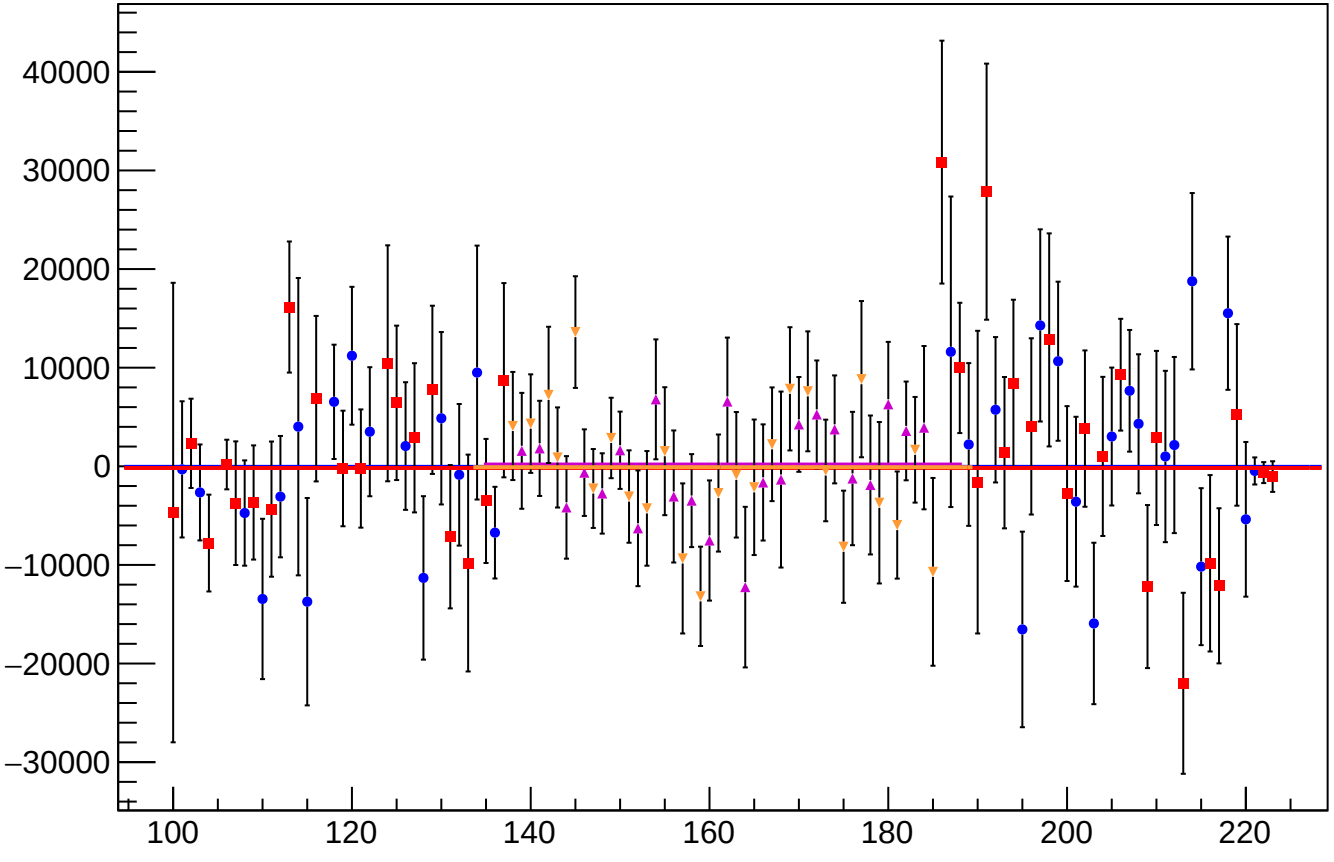
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1939.853+/-0.216 χ^2/NDF: 811291.2/58

All: 1940.501+/-0.154 χ^2/NDF: 3602224.4/12

- sign 1941.167+/-0.219 χ^2/NDF: 2790914.9/61

asym_atr_avg_dit_correction_mean vs Slug



Right In: -57.055+/-938.409 χ^2/NDF: 39.6/33

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -170.634+/-692.299 χ^2/NDF: 47.3/38

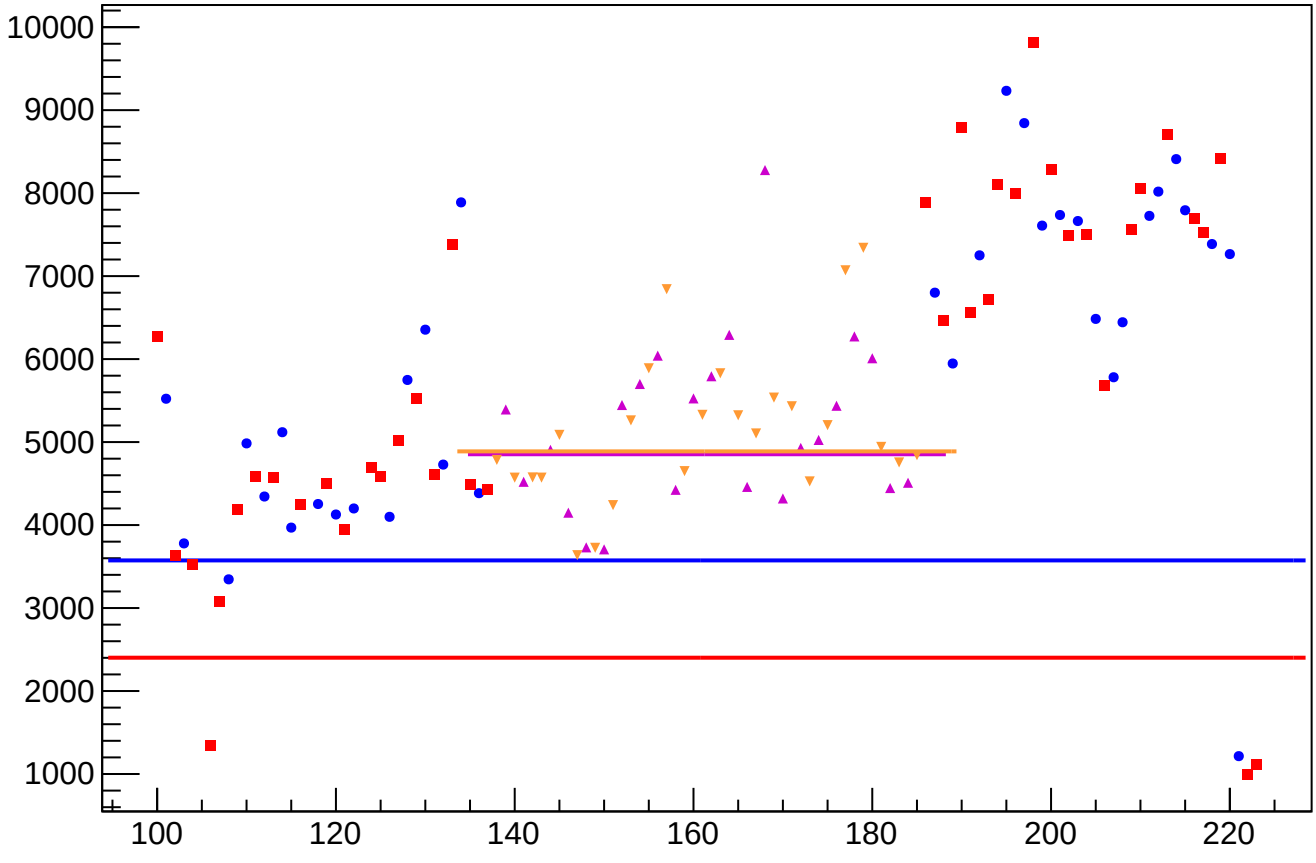
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -71.225+/-722.769 χ^2/NDF: 67.7/58

All: -75.769+/-458.881 χ^2/NDF: 128.6/120

- sign -78.838+/-593.945 χ^2/NDF: 61.0/61

asym_atr_avg_dit_correction_rms vs Slug



Right In: 3573.921+/-0.664 χ^2/NDF: 14336633.1/33

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 2401.487+/-0.490 χ^2/NDF: 21412192.6/38

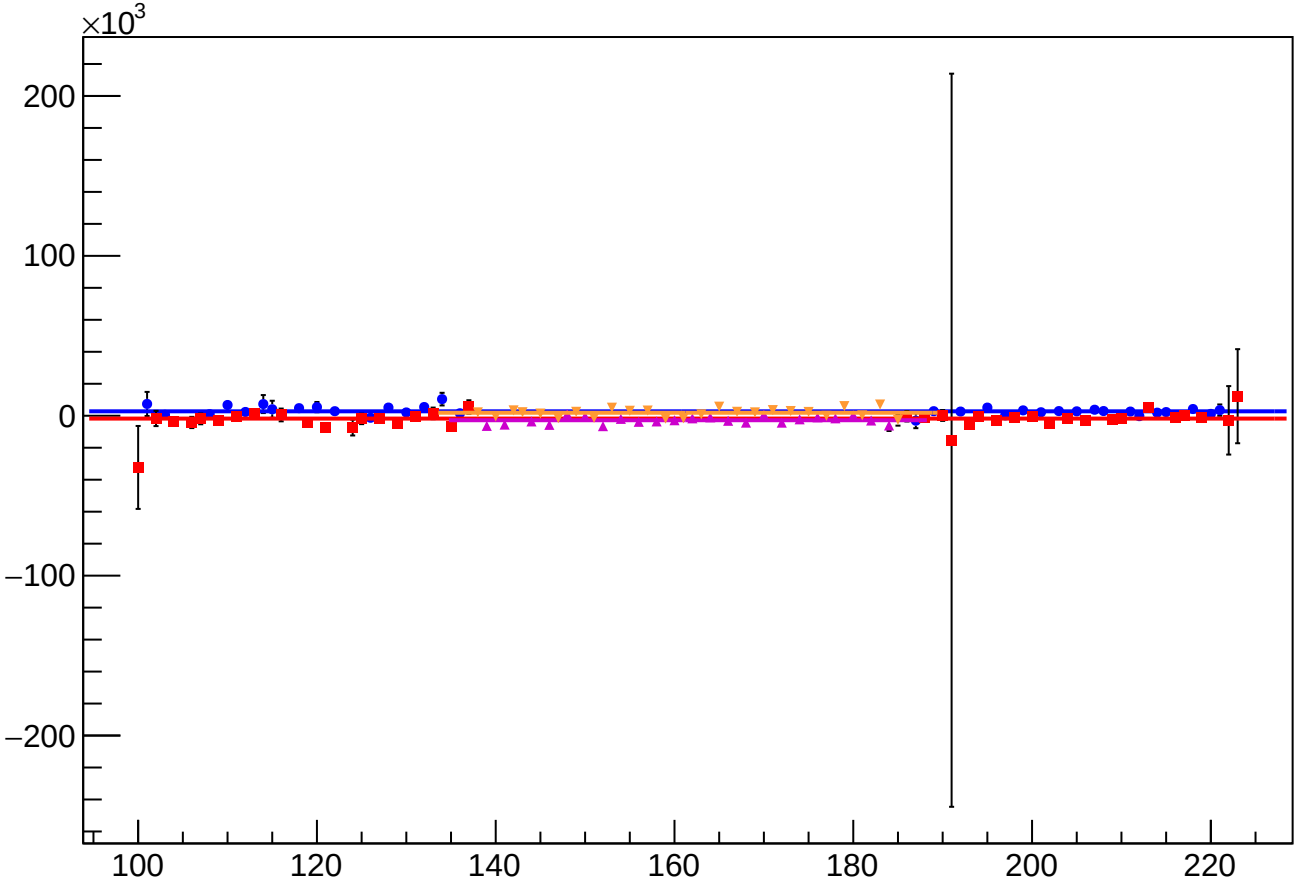
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4108.392+/-0.511 χ^2/NDF: 16994826.0/58

All: 3475.835+/-0.324 χ^2/NDF: 48773737.5/1

- sign 3048.673+/-0.420 χ^2/NDF: 29212535.1/61

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2774.620+/-433.393 χ^2/NDF: 20.1/33

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -1772.914+/-435.505 χ^2/NDF: 36.0/38

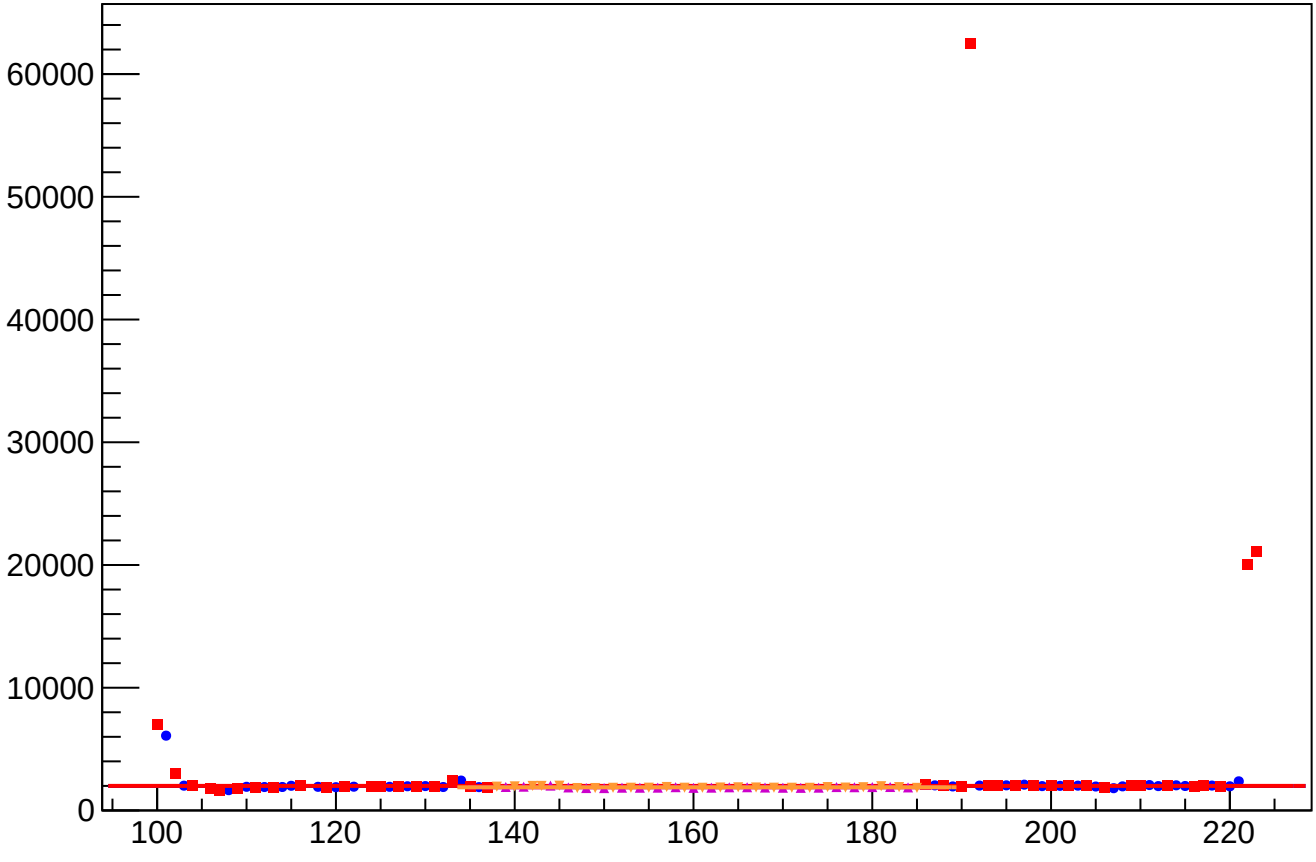
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2323.198+/-304.883 χ^2/NDF: 55.2/58

All: 53.752+/-217.115 χ^2/NDF: 231.7/120

- sign -2281.302+/-309.259 χ^2/NDF: 64.2/61

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1993.243+/-0.306 χ^2/NDF: 719247.0/33

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 2000.697+/-0.308 χ^2/NDF: 2696424.7/38

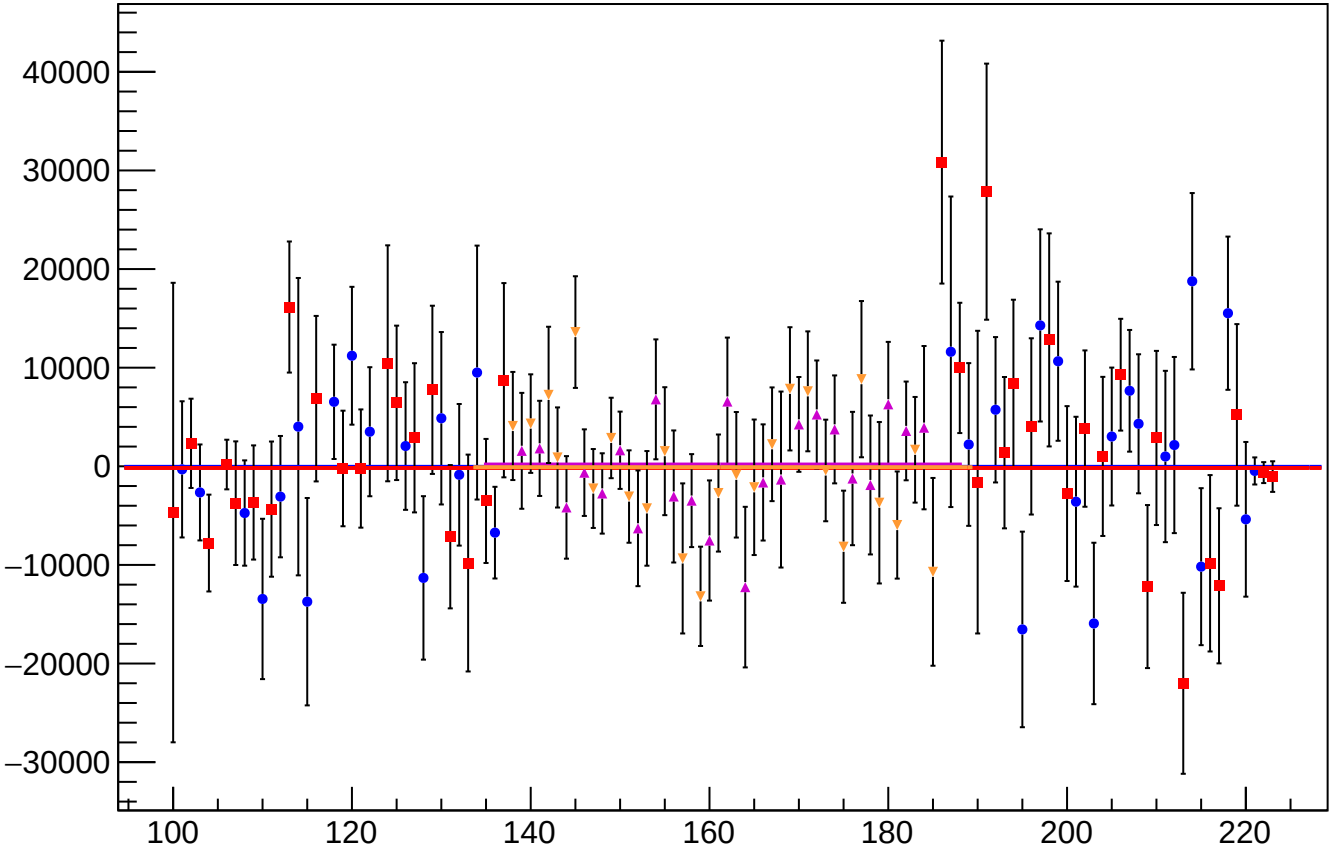
Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1939.854+/-0.216 χ^2/NDF: 811290.5/58

All: 1940.501+/-0.154 χ^2/NDF: 3602222.3/12

- sign 1941.167+/-0.219 χ^2/NDF: 2790913.5/61

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -57.047+/-938.411 χ^2/NDF: 39.6/33

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -170.635+/-692.300 χ^2/NDF: 47.3/38

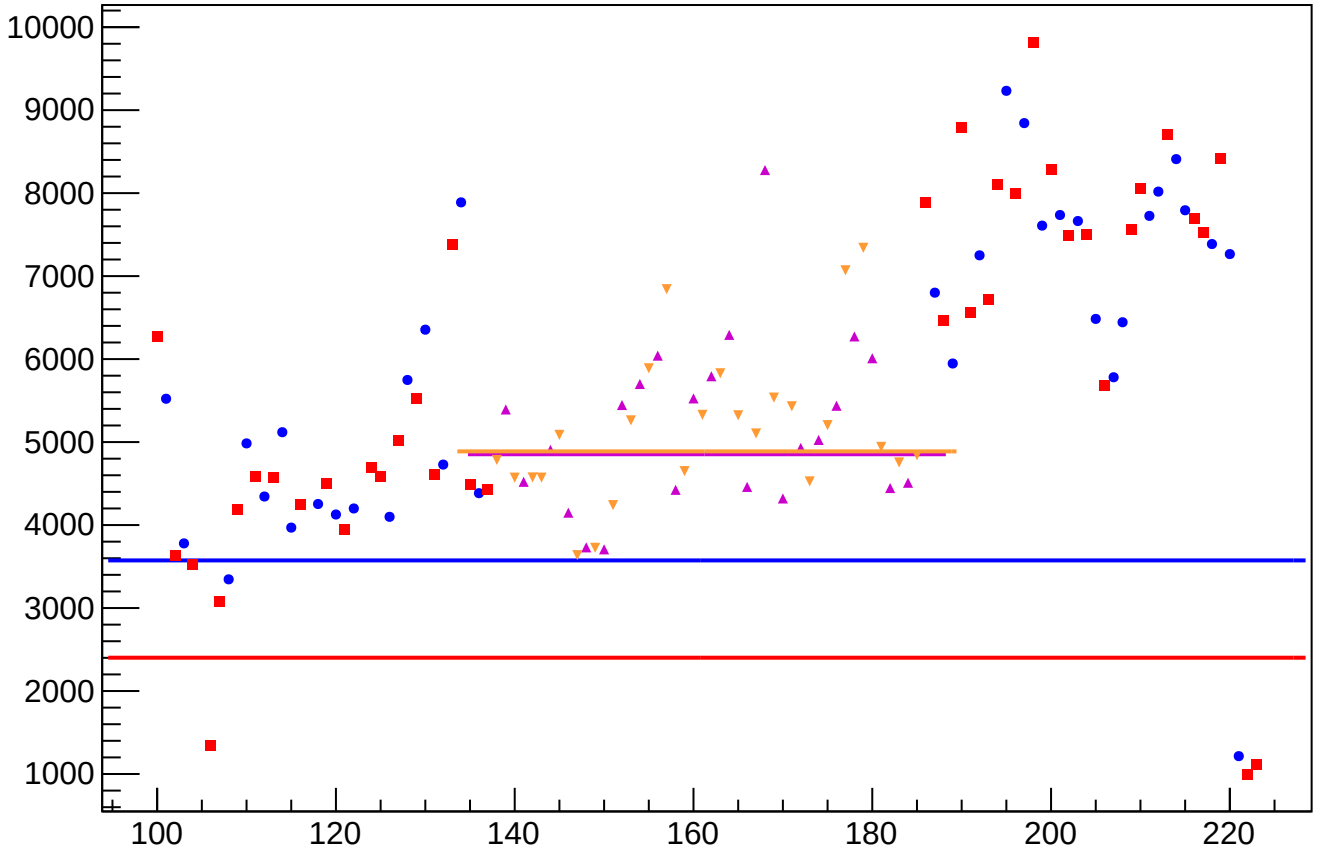
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -71.221+/-722.770 χ^2/NDF: 67.7/58

All: -75.768+/-458.882 χ^2/NDF: 128.6/120

- sign -78.838+/-593.945 χ^2/NDF: 61.0/61

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 3573.929+/-0.664 χ^2/NDF: 14336576.3/33

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 2401.491+/-0.490 χ^2/NDF: 21412163.5/38

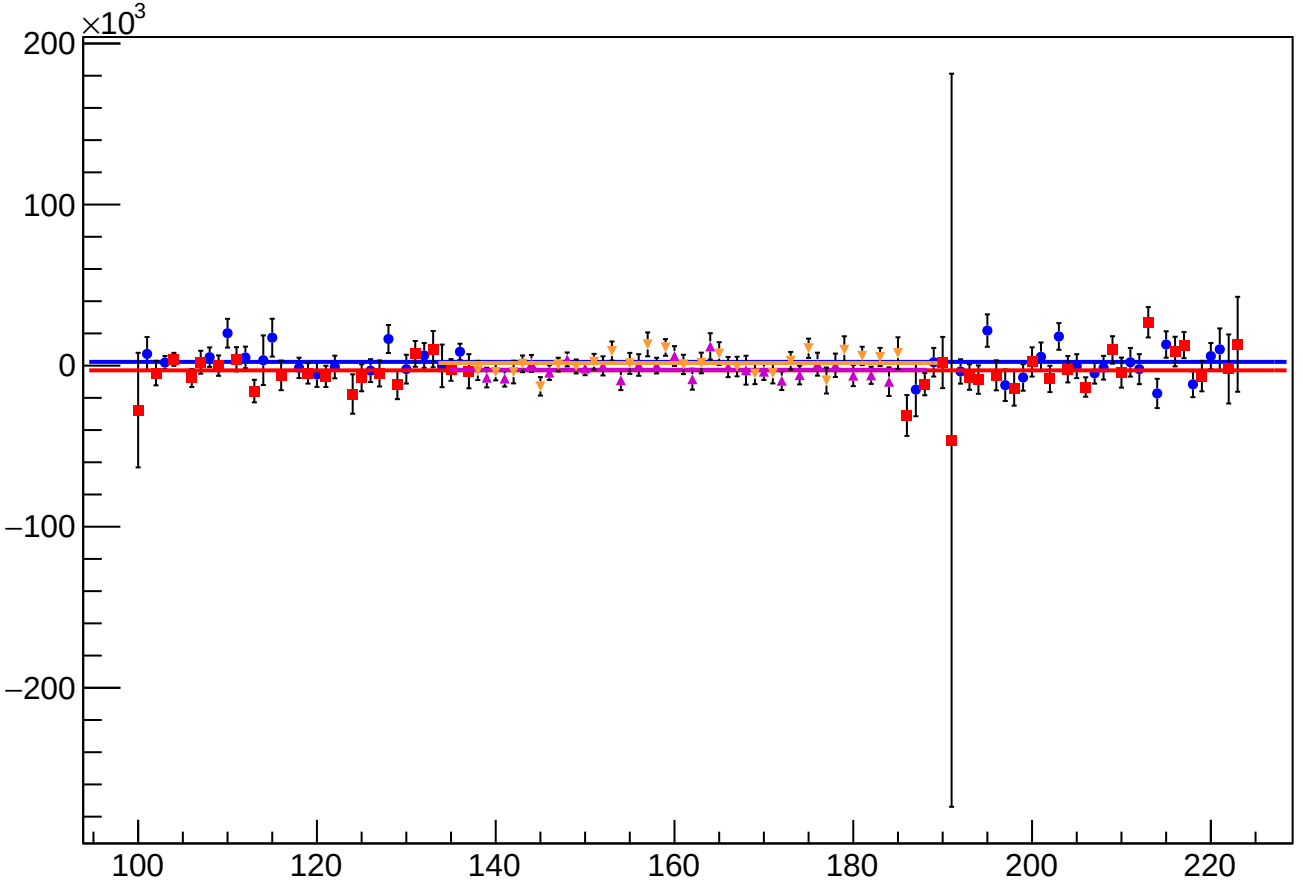
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4108.399+/-0.511 χ^2/NDF: 16994764.2/58

All: 3475.840+/-0.324 χ^2/NDF: 48773665.9/1

- sign 3048.677+/-0.420 χ^2/NDF: 29212511.6/61

asym_atr_avg_mean vs Slug



Right In: 2329.500+/-1336.472 χ^2/NDF: 37.8/33

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

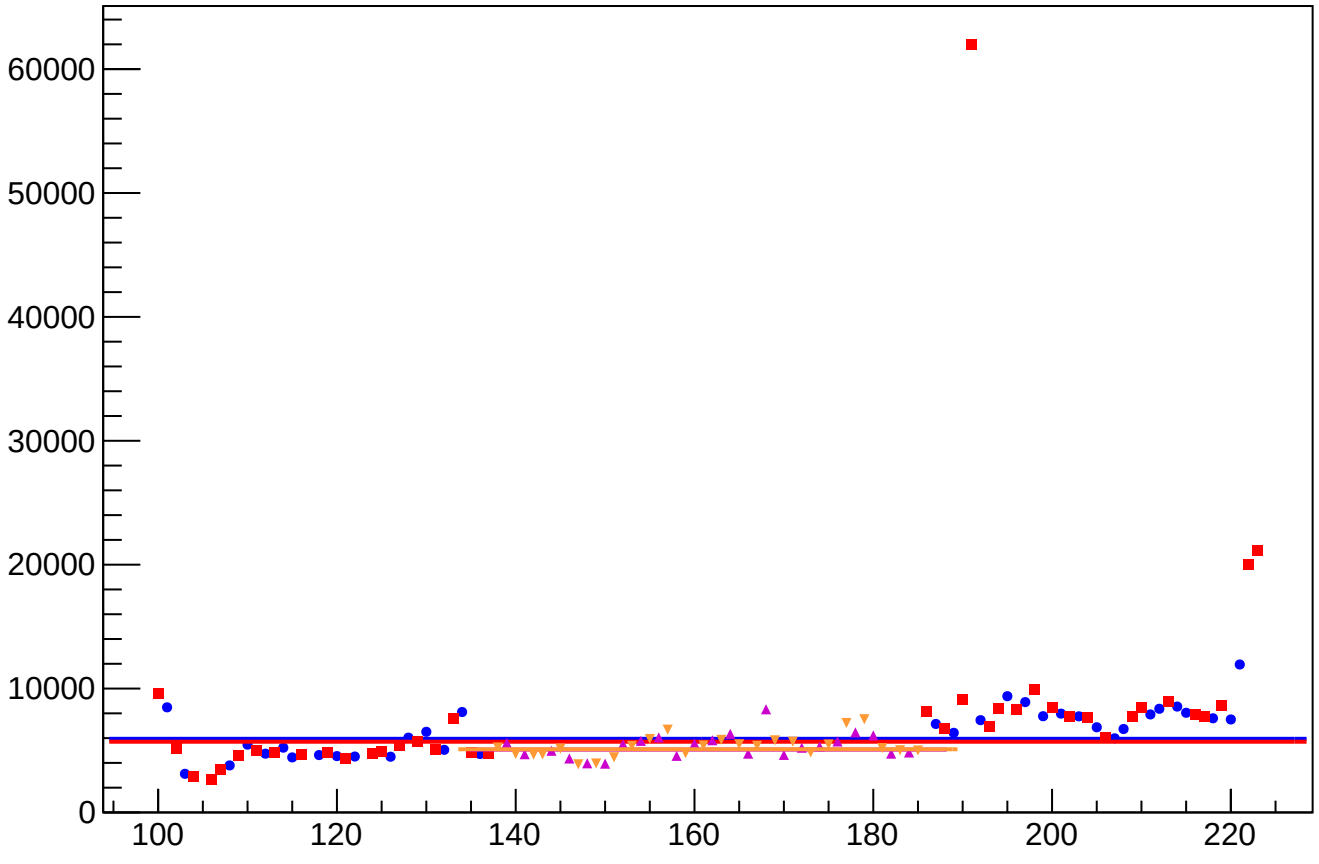
Right Out: -2922.857+/-1307.099 χ^2/NDF: 45.6/38

Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 1949.876+/-883.991 χ^2/NDF: 63.9/58

All: -384.714+/-625.695 χ^2/NDF: 139.5/120

- sign -2728.572+/-885.744 χ^2/NDF: 61.6/61



Right In: 5944.021+/-0.945 χ^2/NDF: 3967406.3/33

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5709.515+/-0.919 χ^2/NDF: 6206992.1/38

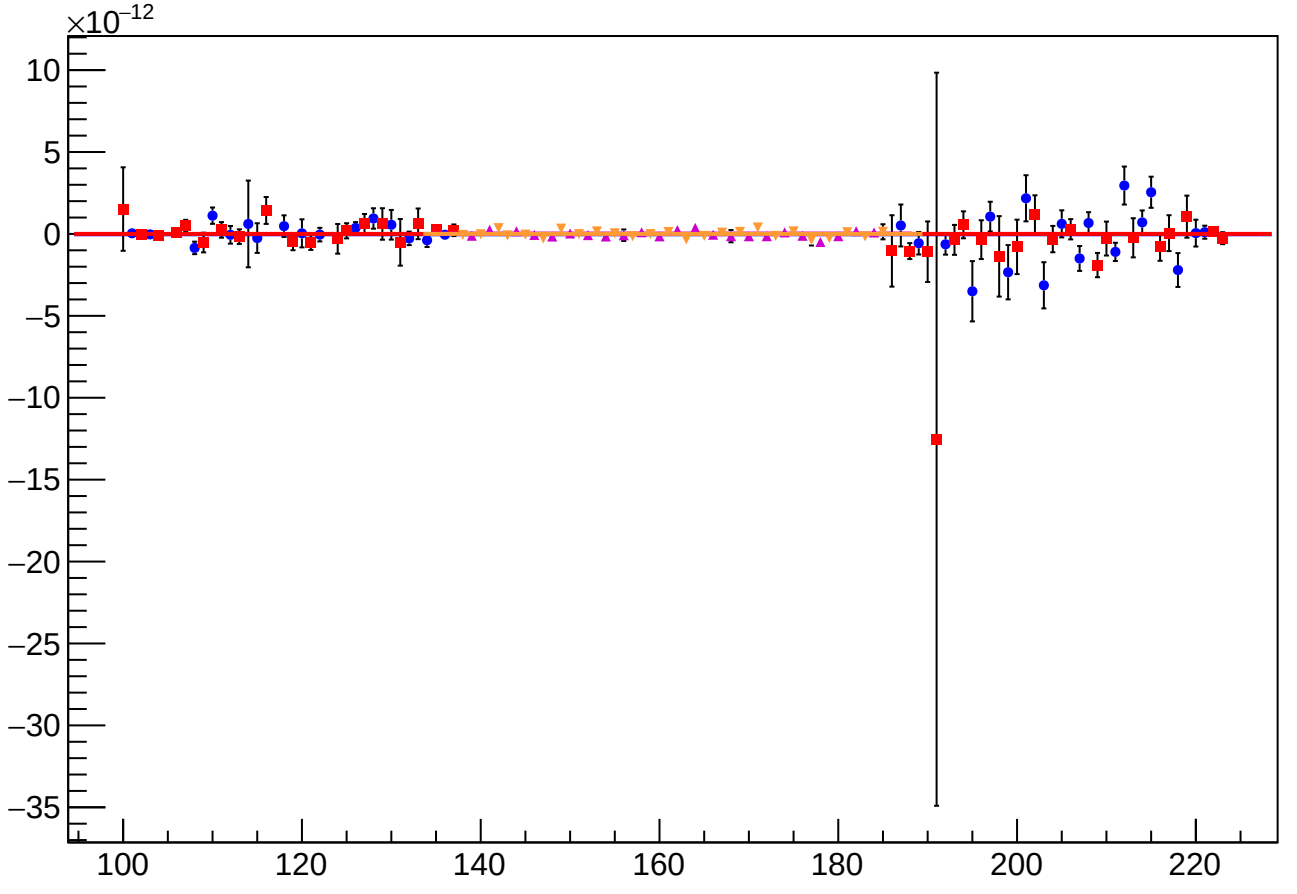
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5469.618+/-0.625 χ^2/NDF: 5324739.7/58

All: 5418.417+/-0.442 χ^2/NDF: 12794589.3/1

- sign 5367.264+/-0.625 χ^2/NDF: 7456436.8/61

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 60.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/38

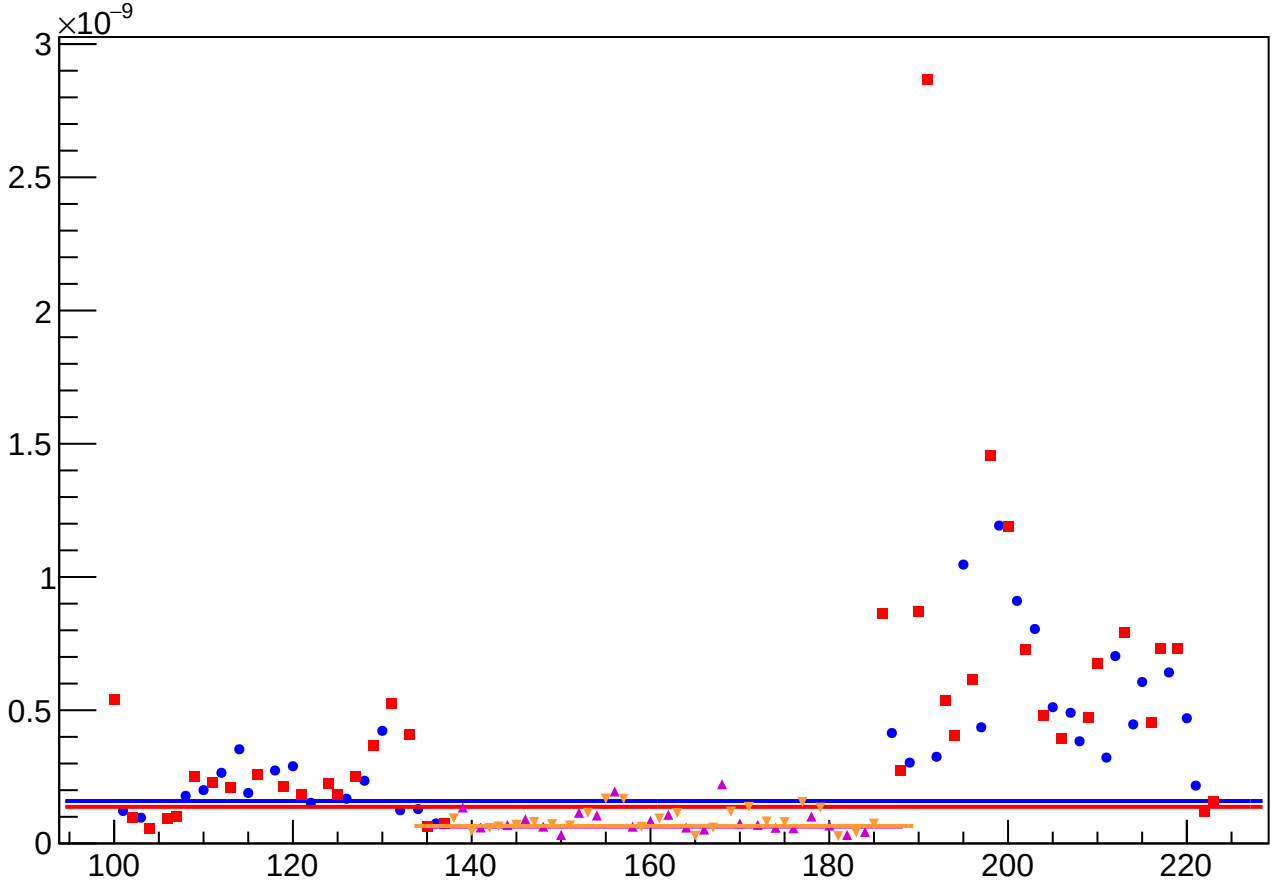
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.9/58

All: 0.000+/-0.000 χ^2/NDF: 159.5/120

- sign 0.000+/-0.000 χ^2/NDF: 65.3/61

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7554188.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9493057.0/38

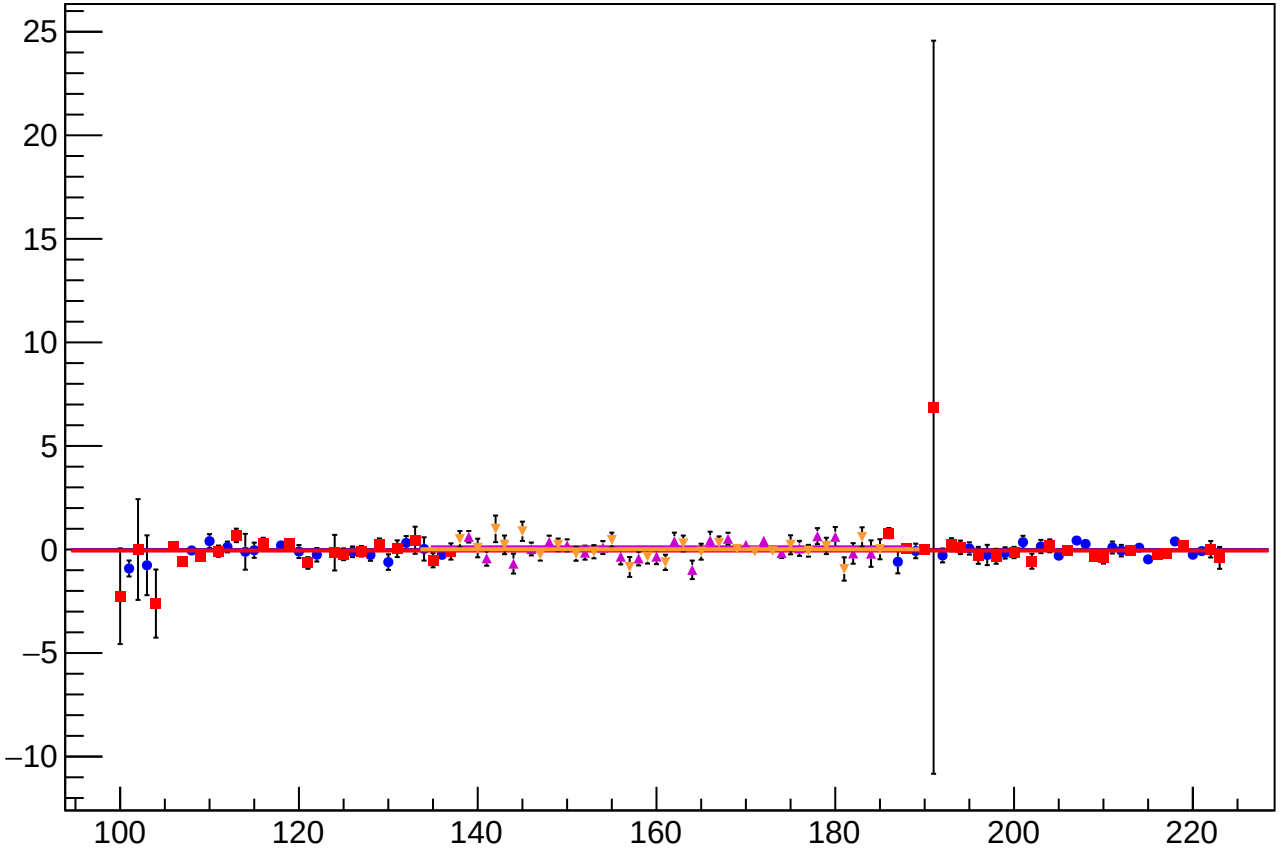
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13127063.9/58

All: 0.000+/-0.000 χ^2/NDF: 27054560.6/120

- sign 0.000+/-0.000 χ^2/NDF: 13904887.9/61

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.046 χ^2/NDF: 41.9/33

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.049+/-0.043 χ^2/NDF: 52.1/38

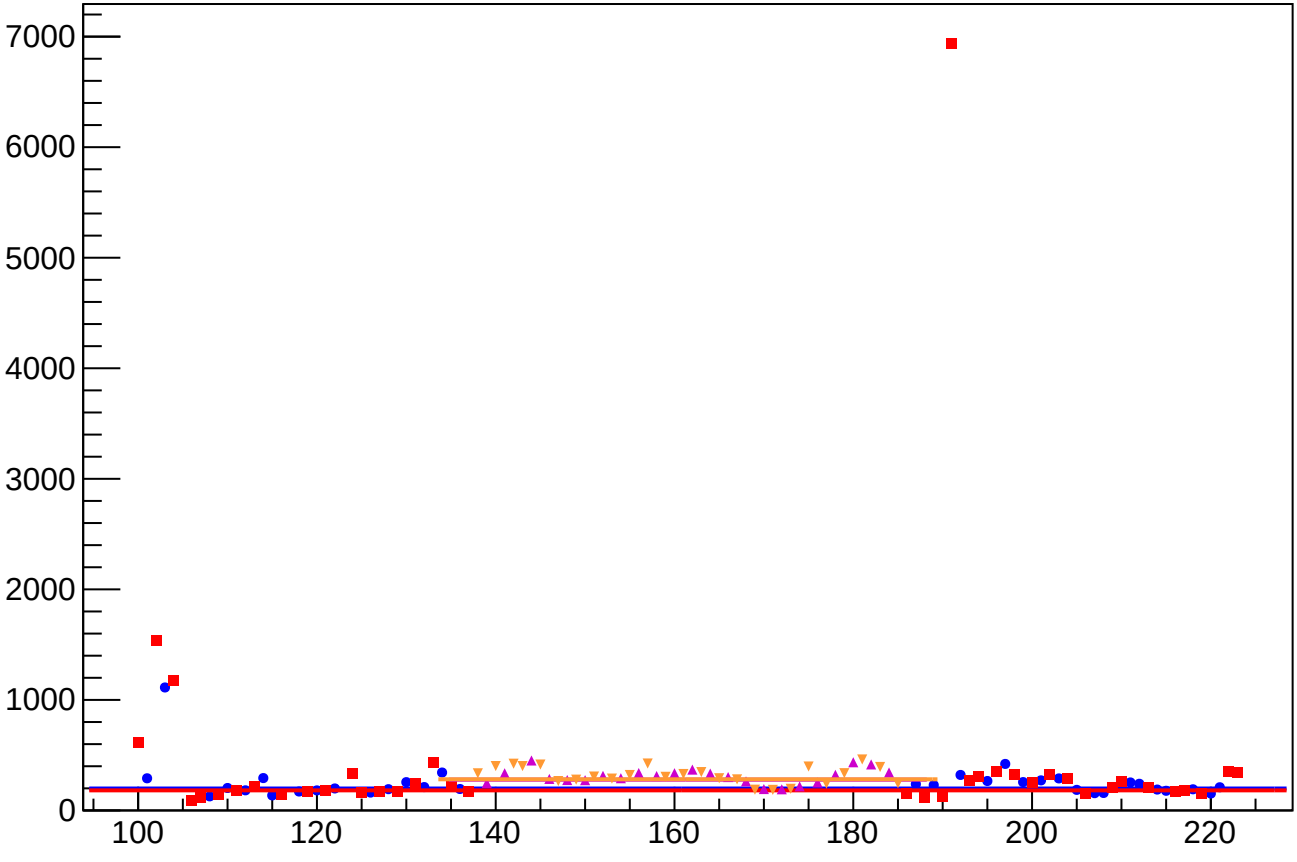
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.038 χ^2/NDF: 67.4/58

All: -0.010+/-0.026 χ^2/NDF: 154.6/120

- sign -0.005+/-0.036 χ^2/NDF: 87.2/61

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 198.448+/-0.032 χ^2/NDF: 3195338.3/33

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 181.822+/-0.030 χ^2/NDF: 6270967.7/38

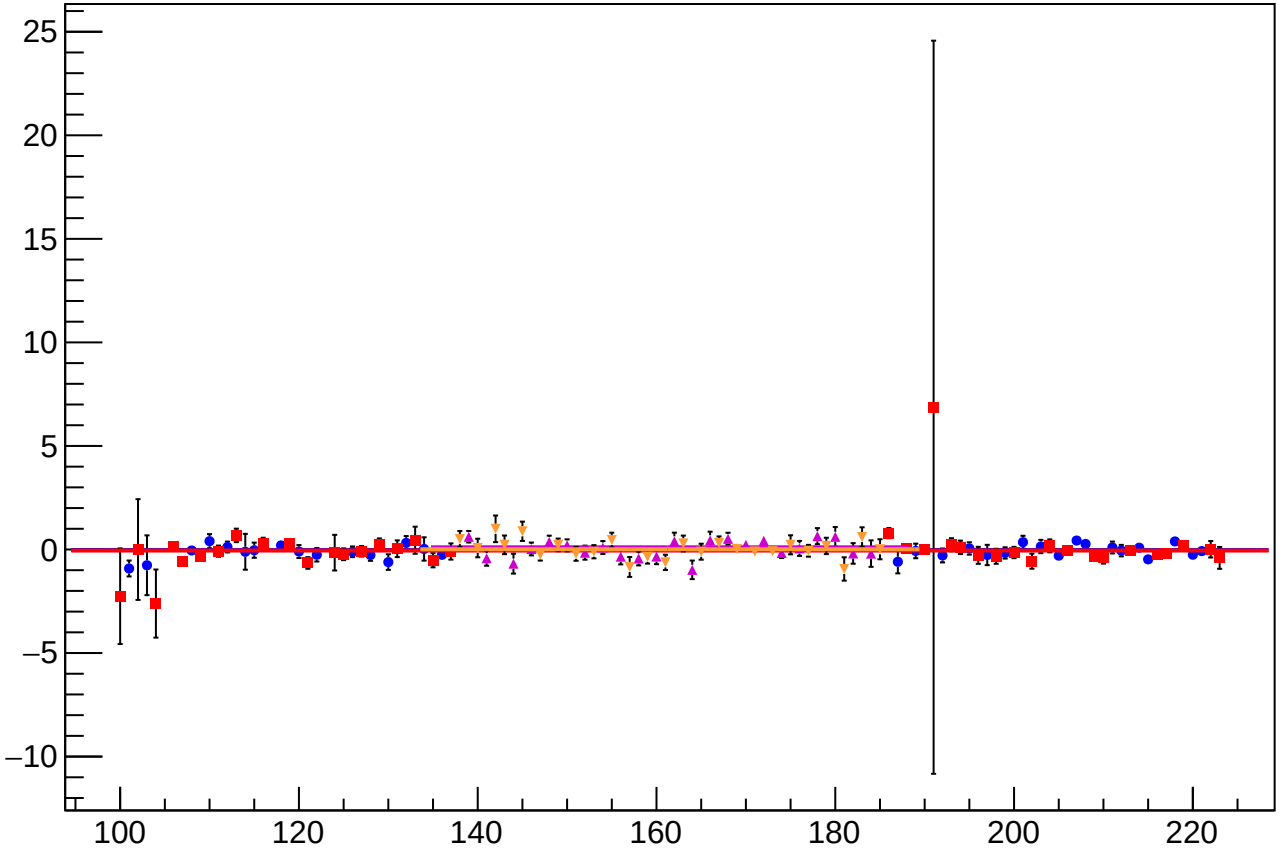
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 224.391+/-0.027 χ^2/NDF: 7784112.6/58

All: 216.388+/-0.019 χ^2/NDF: 18873806.5/12

- sign 209.026+/-0.026 χ^2/NDF: 10918999.6/61

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.028+/-0.046 χ^2/NDF: 41.9/33

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.049+/-0.043 χ^2/NDF: 52.1/38

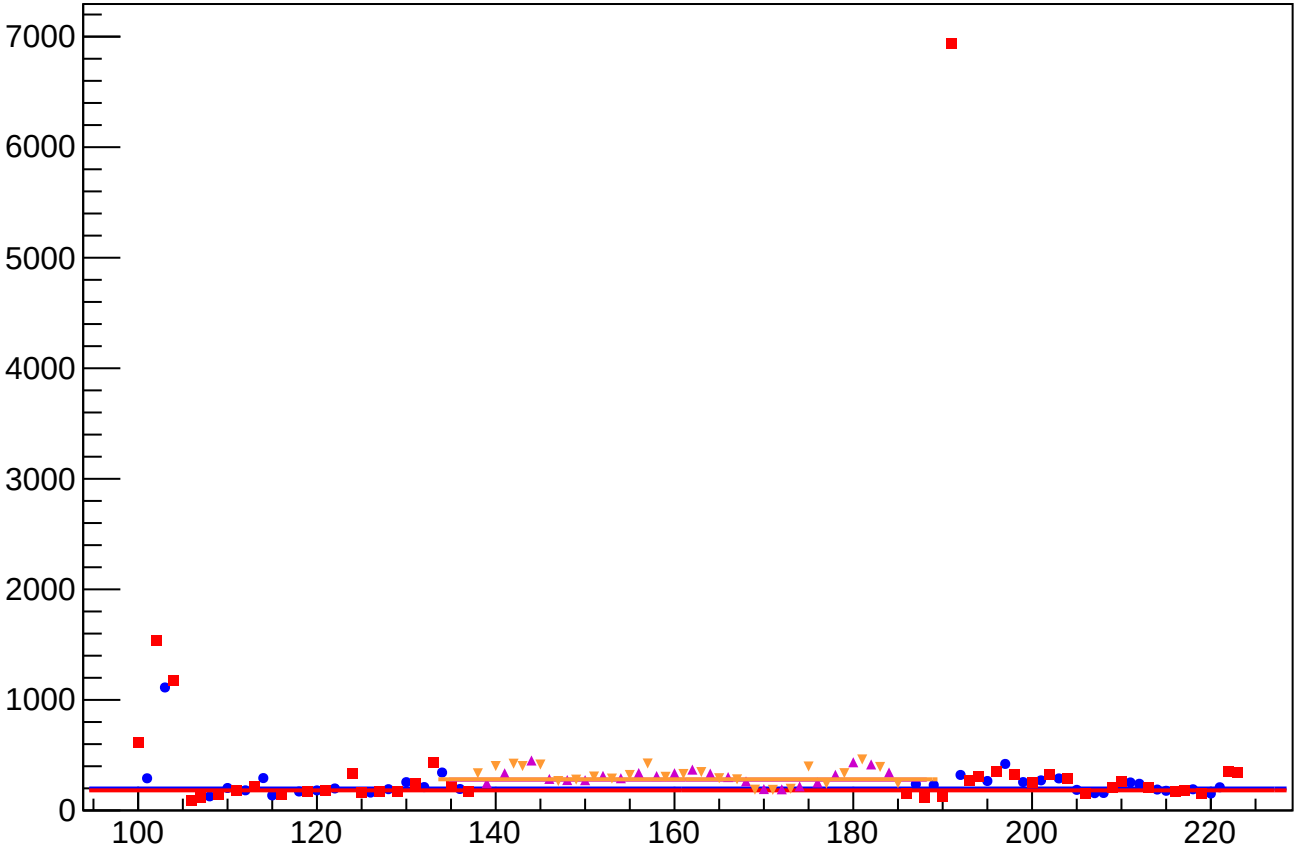
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.038 χ^2/NDF: 67.4/58

All: -0.010+/-0.026 χ^2/NDF: 154.6/120

- sign -0.005+/-0.036 χ^2/NDF: 87.2/61

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 198.448+/-0.032 χ^2/NDF: 3195338.3/33

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

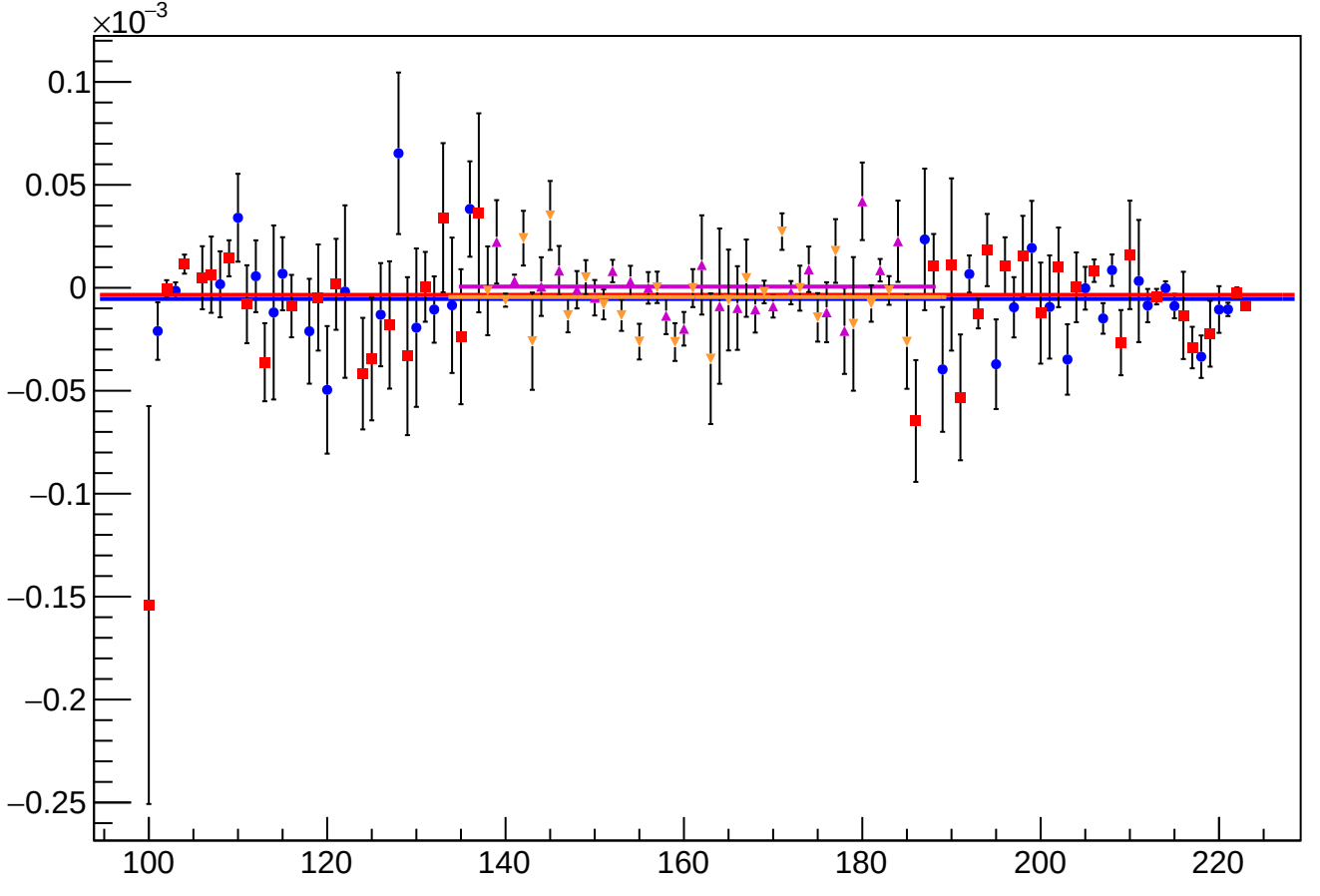
Right Out: 181.822+/-0.030 χ^2/NDF: 6270967.7/38

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 224.391+/-0.027 χ^2/NDF: 7784112.6/58

All: 216.388+/-0.019 χ^2/NDF: 18873806.5/12

- sign 209.026+/-0.026 χ^2/NDF: 10918999.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 44.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 61.7/38

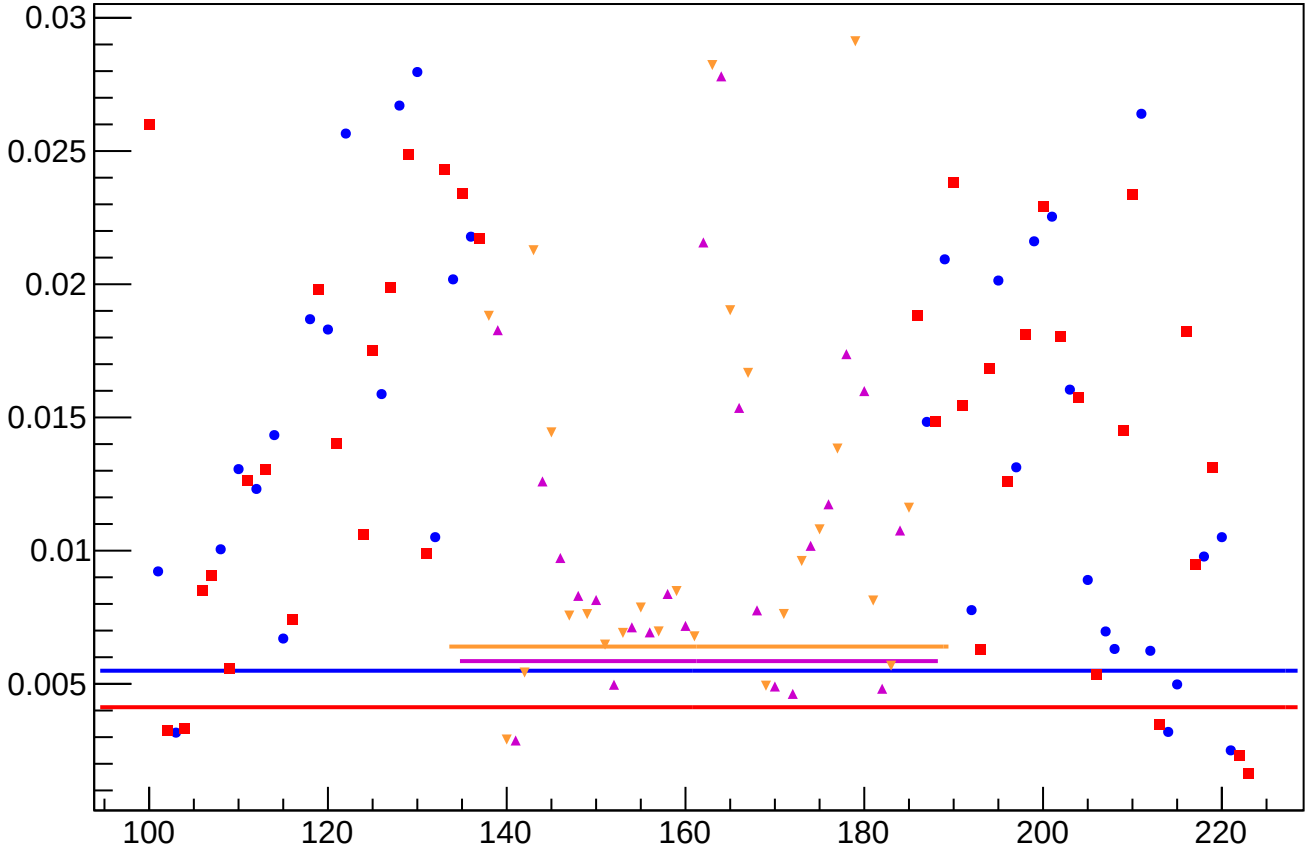
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.1/58

All: -0.000+/-0.000 χ^2/NDF: 189.7/120

- sign -0.000+/-0.000 χ^2/NDF: 94.6/61

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 15752127.6/33

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.004+/-0.000 χ^2/NDF: 21890693.0/38

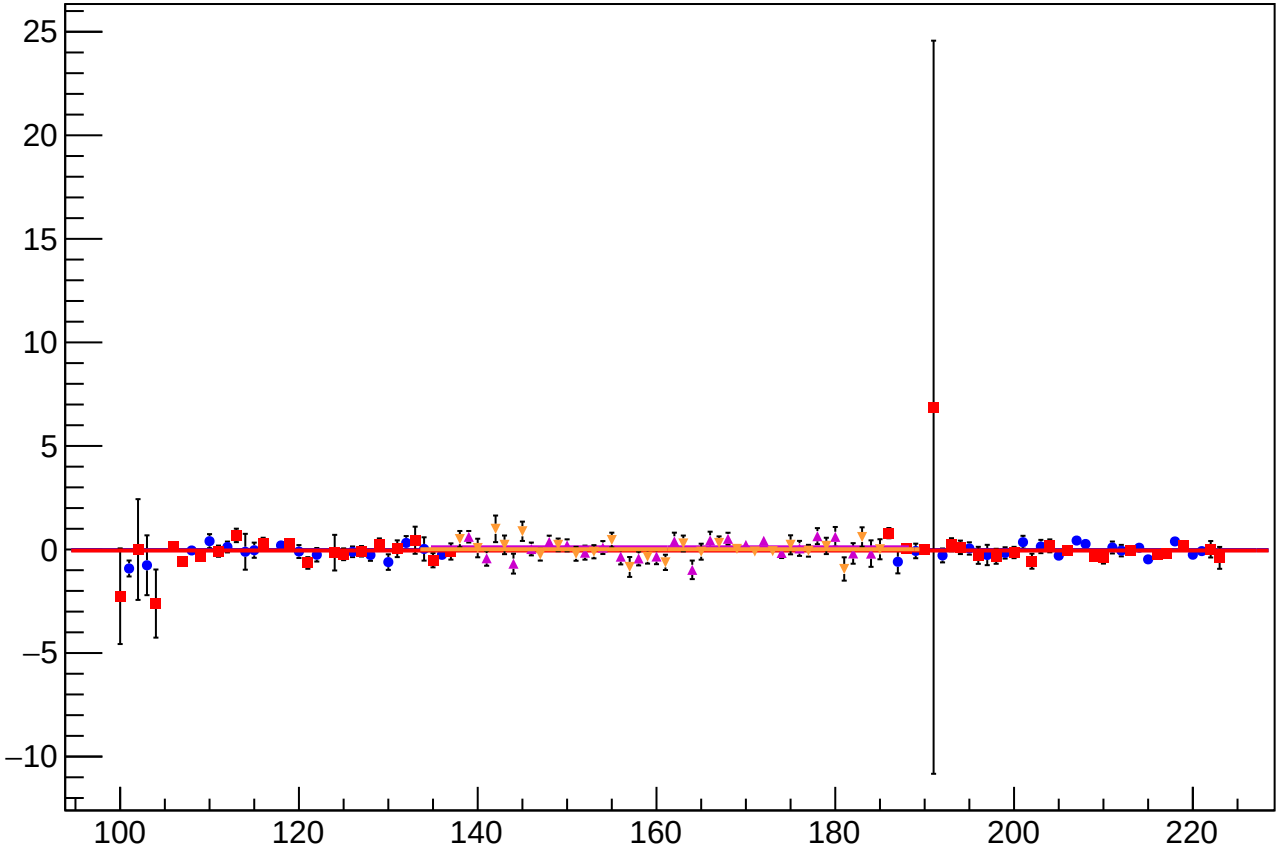
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 25020445.0/58

All: 0.005+/-0.000 χ^2/NDF: 57618022.2/120

- sign 0.005+/-0.000 χ^2/NDF: 31457545.1/61

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.046 χ^2/NDF: 41.9/33

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.049+/-0.043 χ^2/NDF: 52.1/38

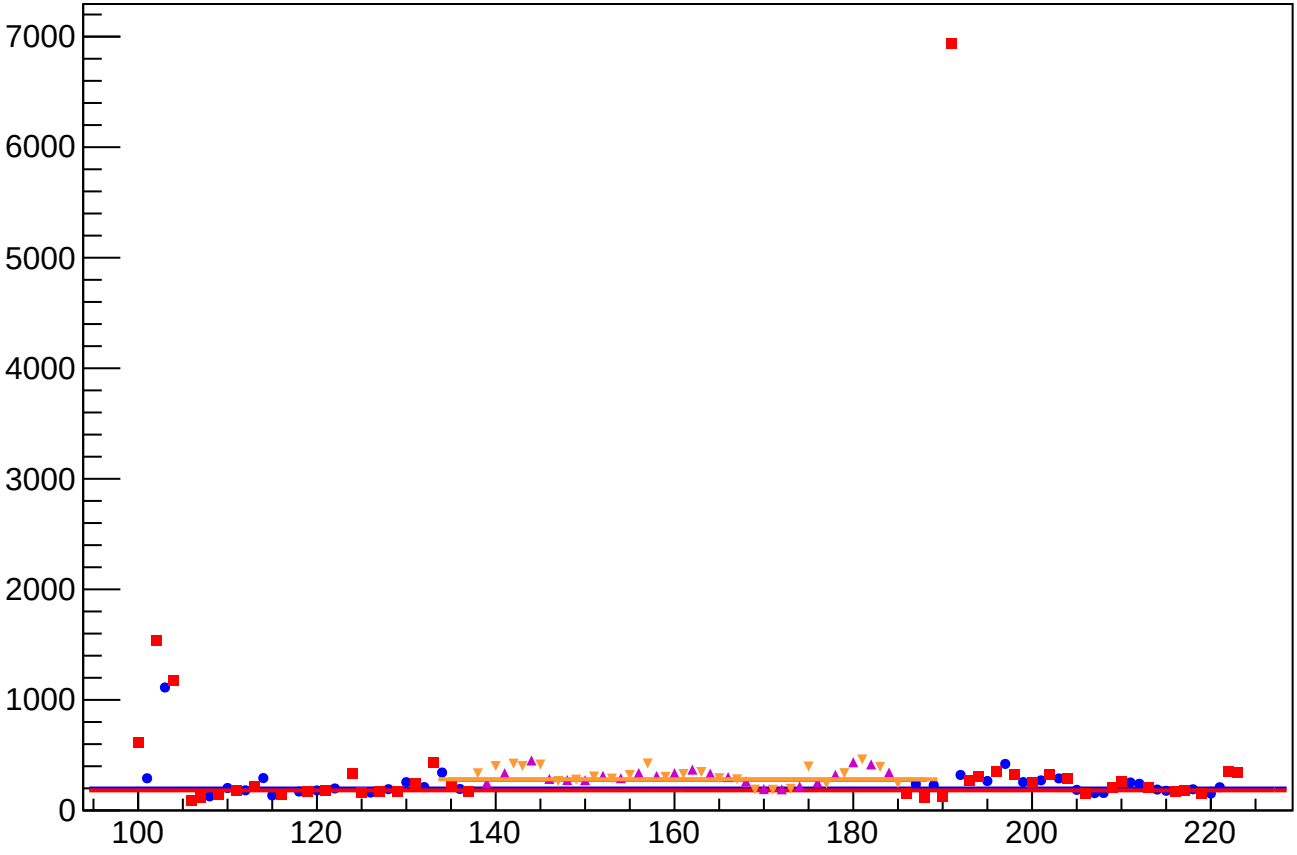
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.038 χ^2/NDF: 67.4/58

All: -0.010+/-0.026 χ^2/NDF: 154.6/120

- sign -0.005+/-0.036 χ^2/NDF: 87.2/61

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 198.448+/-0.032 χ^2/NDF: 3195361.5/33

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

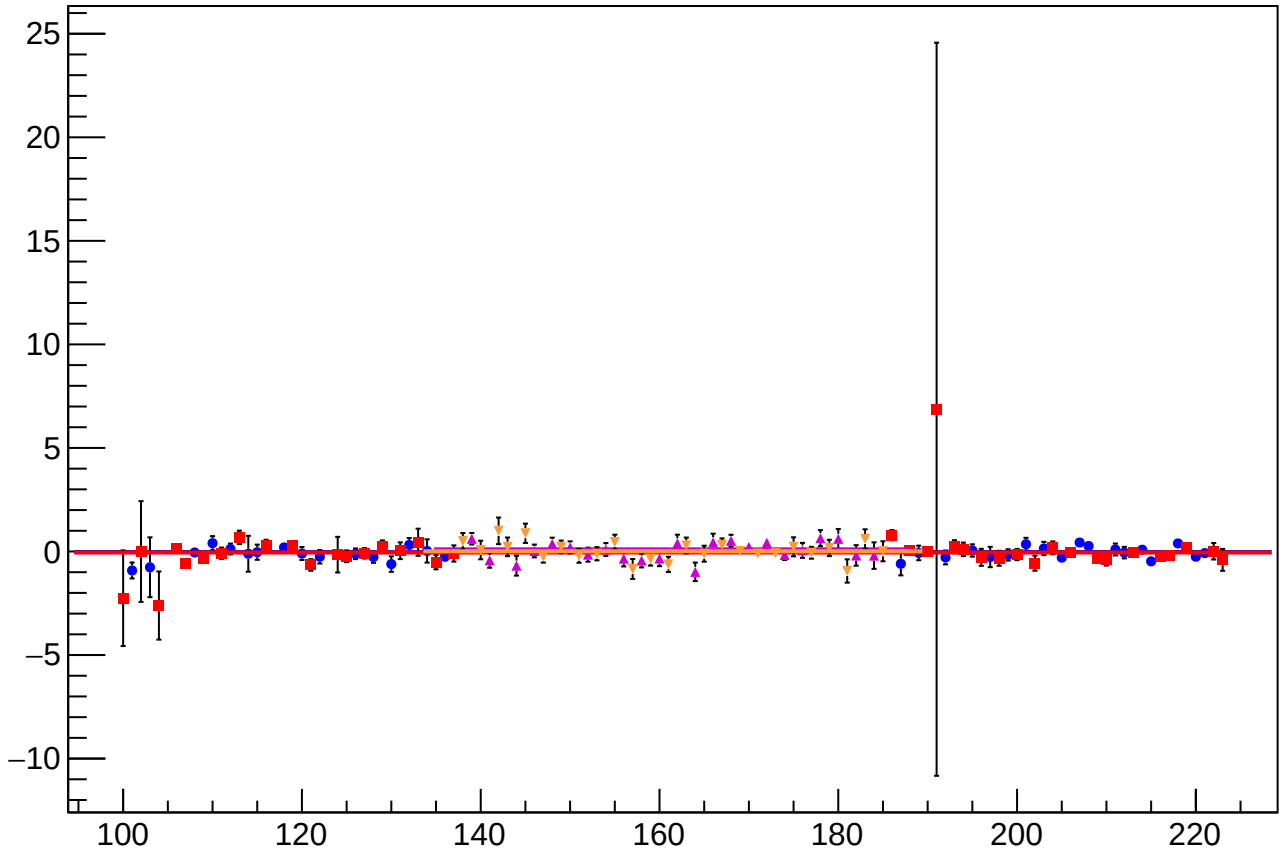
Right Out: 181.820+/-0.030 χ^2/NDF: 6271125.9/38

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 224.392+/-0.027 χ^2/NDF: 7784307.8/58

All: 216.387+/-0.019 χ^2/NDF: 18874525.4/12

- sign 209.024+/-0.026 χ^2/NDF: 10919473.0/61



Right In: -0.028+/-0.046 χ^2/NDF: 41.9/33

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

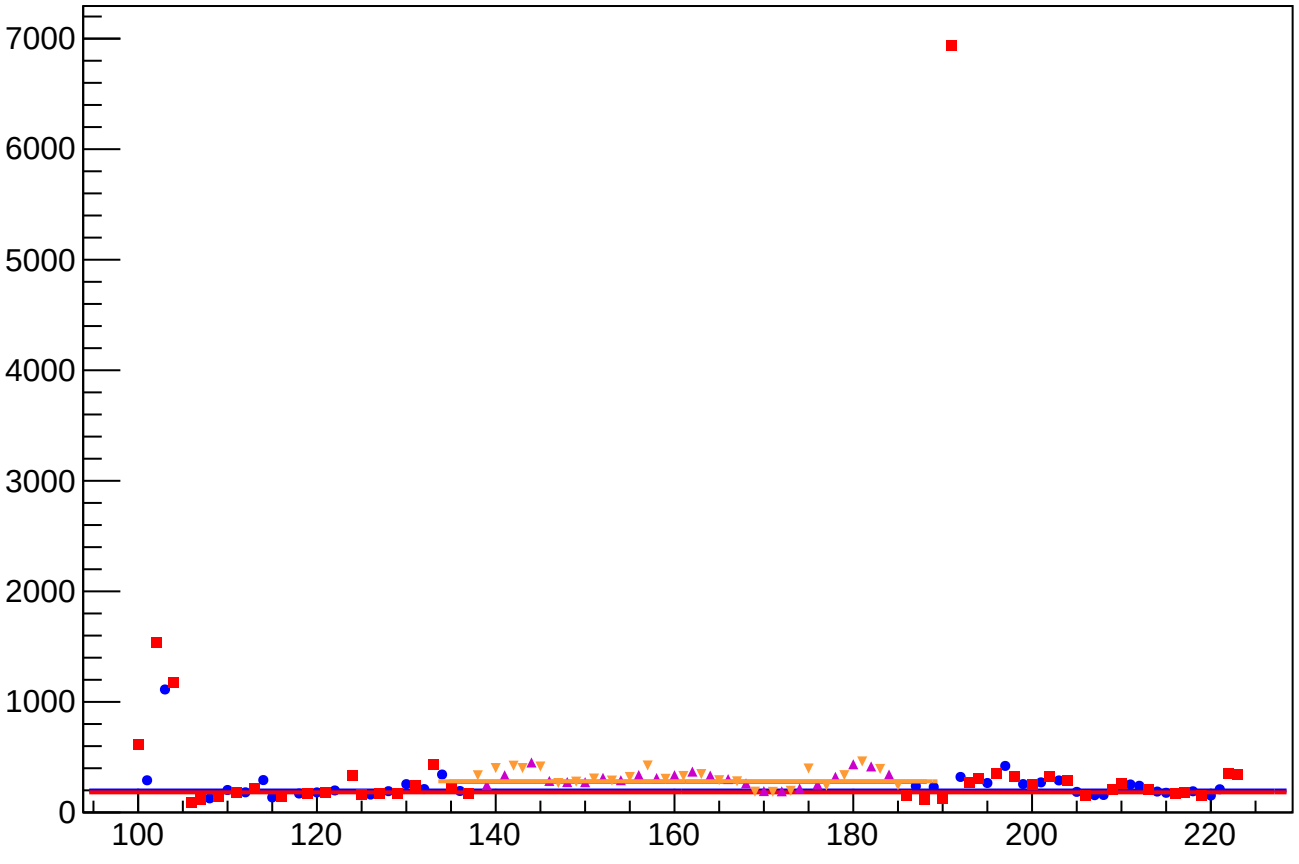
Right Out: -0.049+/-0.043 χ^2/NDF: 52.1/38

Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.016+/-0.038 χ^2/NDF: 67.4/58

All: -0.010+/-0.026 χ^2/NDF: 154.6/120

\- sign -0.005+/-0.036 χ^2/NDF: 87.2/61



Right In: 198.448+/-0.032 χ^2/NDF: 3195361.5/33

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

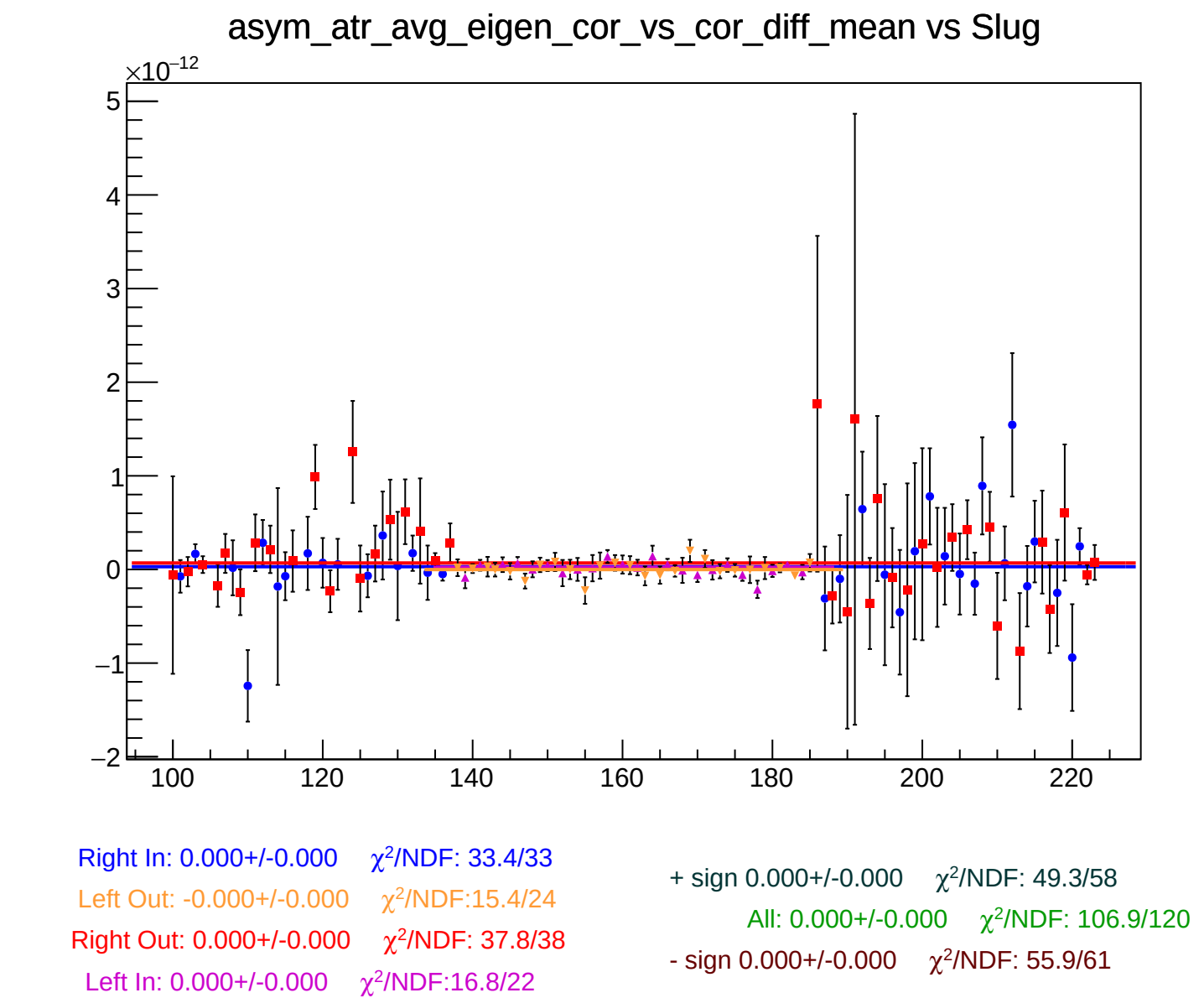
Right Out: 181.820+/-0.030 χ^2/NDF: 6271125.9/38

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

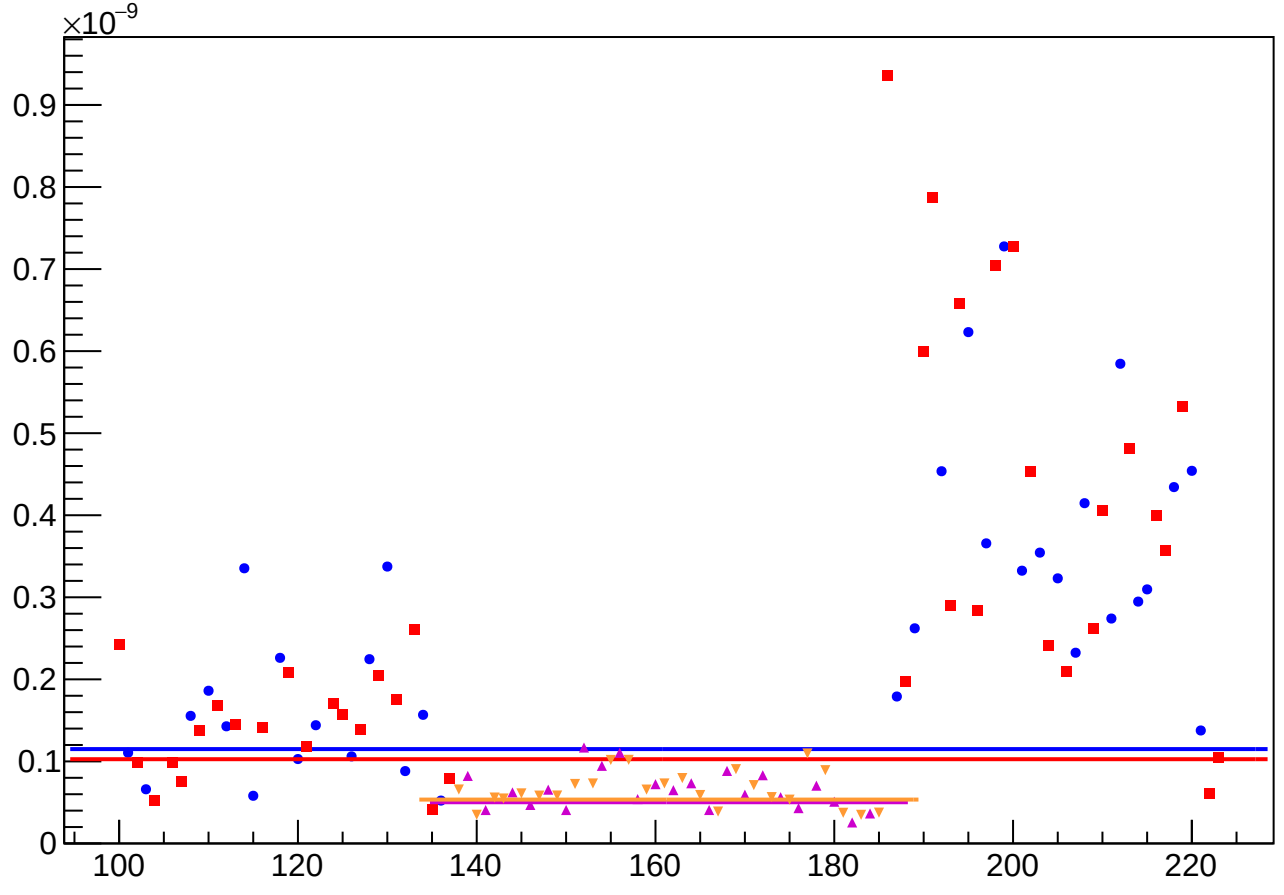
+ sign 224.392+/-0.027 χ^2/NDF: 7784307.8/58

All: 216.387+/-0.019 χ^2/NDF: 18874525.4/12

- sign 209.024+/-0.026 χ^2/NDF: 10919473.0/61


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 33.4/33
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.8/38
Left In: 0.000+/-0.000 χ²/NDF:16.8/22
+ sign 0.000+/-0.000 χ²/NDF: 49.3/58
All: 0.000+/-0.000 χ²/NDF: 106.9/120
- sign 0.000+/-0.000 χ²/NDF: 55.9/61

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10929353.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11382045.2/38

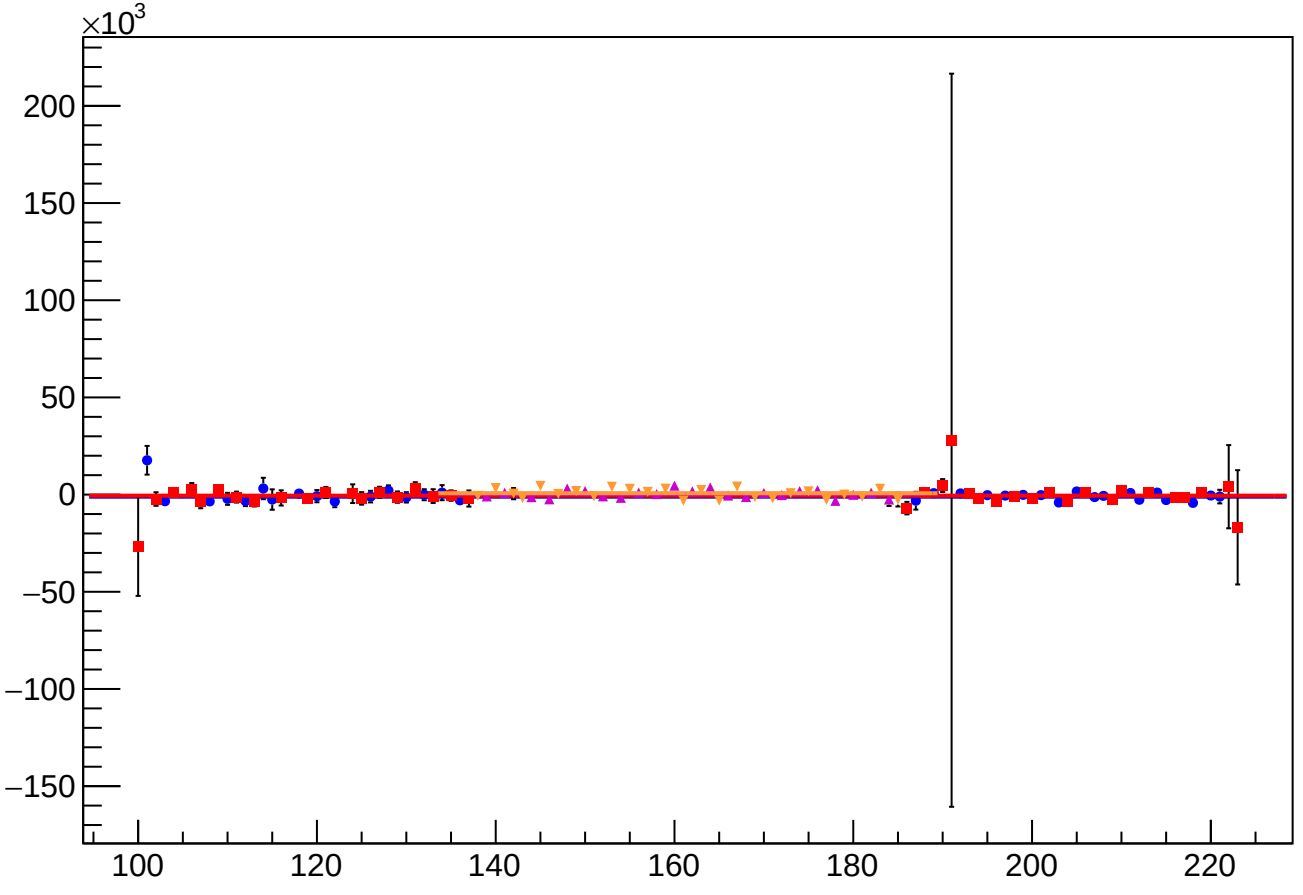
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 17524261.7/58

All: 0.000+/-0.000 χ^2/NDF: 35589478.6/120

- sign 0.000+/-0.000 χ^2/NDF: 18006683.7/61

reg_asym_atr_dd_mean vs Slug



Right In: -1068.993+/-420.902 χ^2/NDF: 25.0/33

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -533.707+/-421.867 χ^2/NDF: 28.0/38

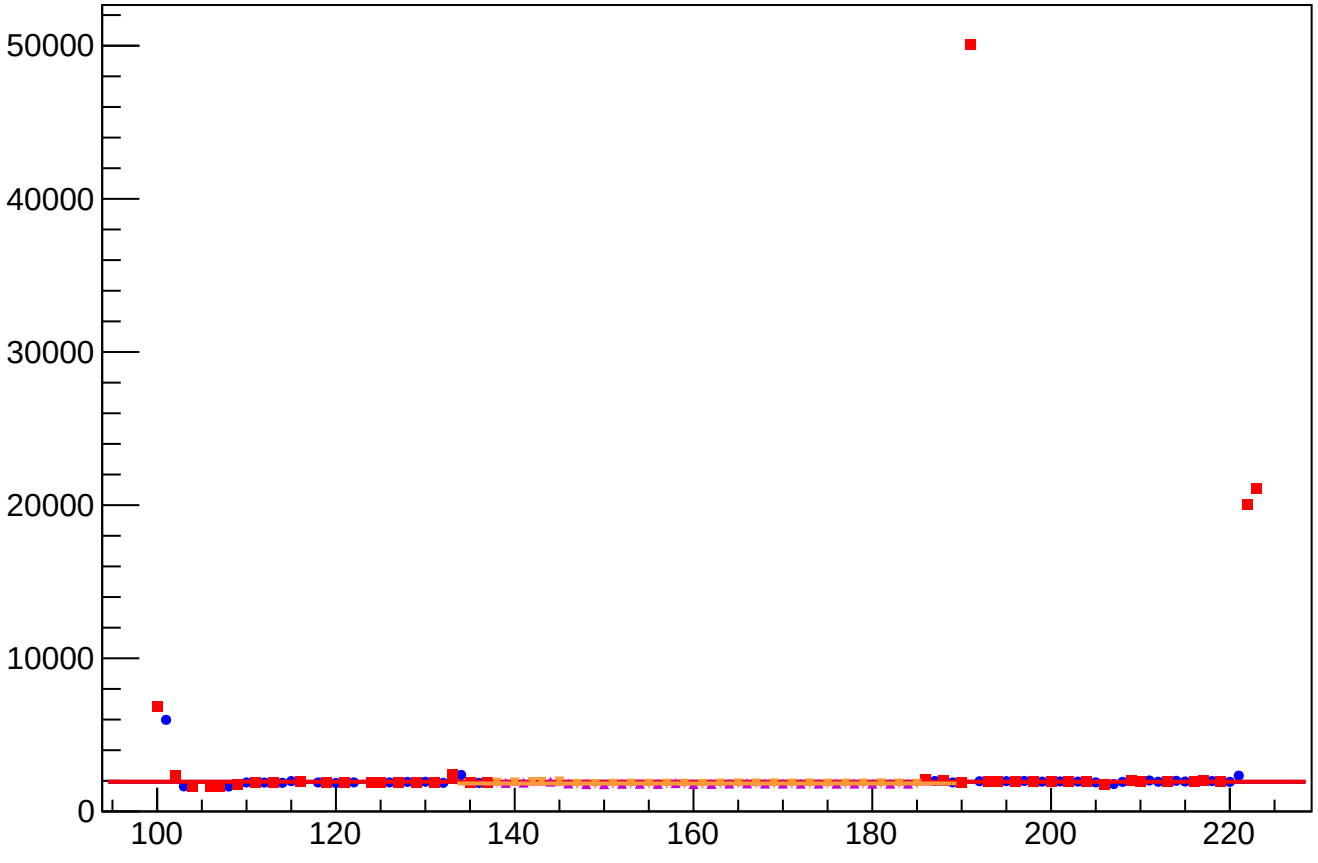
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

\+ sign -169.914+/-295.652 χ^2/NDF: 65.9/58

All: -120.700+/-210.519 χ^2/NDF: 117.2/120

\- sign -70.085+/-299.830 χ^2/NDF: 51.2/61

reg_asym_atr_dd_rms vs Slug



Right In: 1935.244+/-0.298 χ^2/NDF: 752323.3/33

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

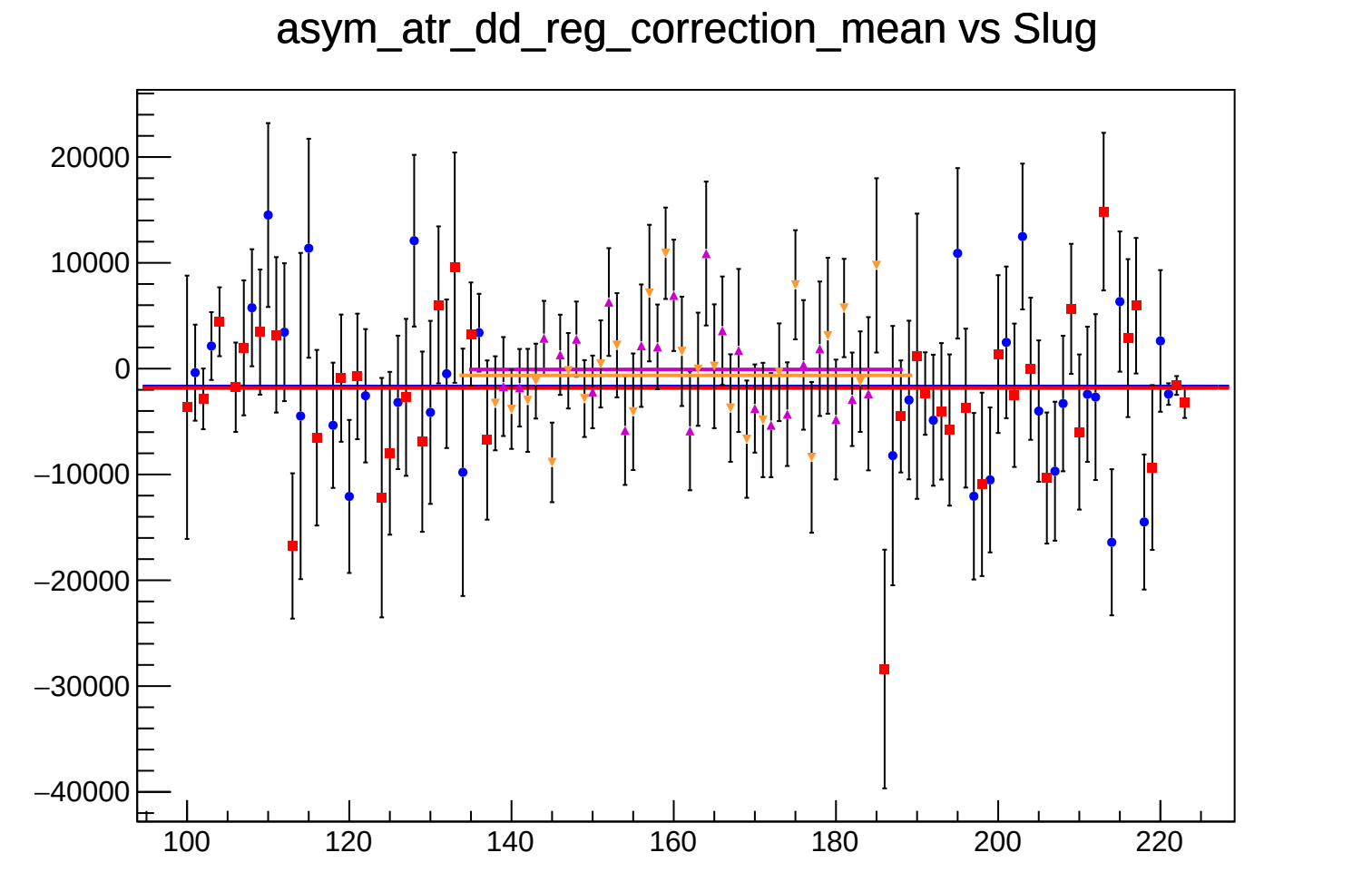
Right Out: 1939.689+/-0.298 χ^2/NDF: 2669383.9/38

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1881.037+/-0.209 χ^2/NDF: 837133.0/58

All: 1882.047+/-0.149 χ^2/NDF: 3592953.4/12

- sign 1883.084+/-0.212 χ^2/NDF: 2755773.1/61



Right In: -1684.043+/-752.946 χ^2/NDF: 40.6/33

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1829.301+/-603.806 χ^2/NDF: 36.4/38

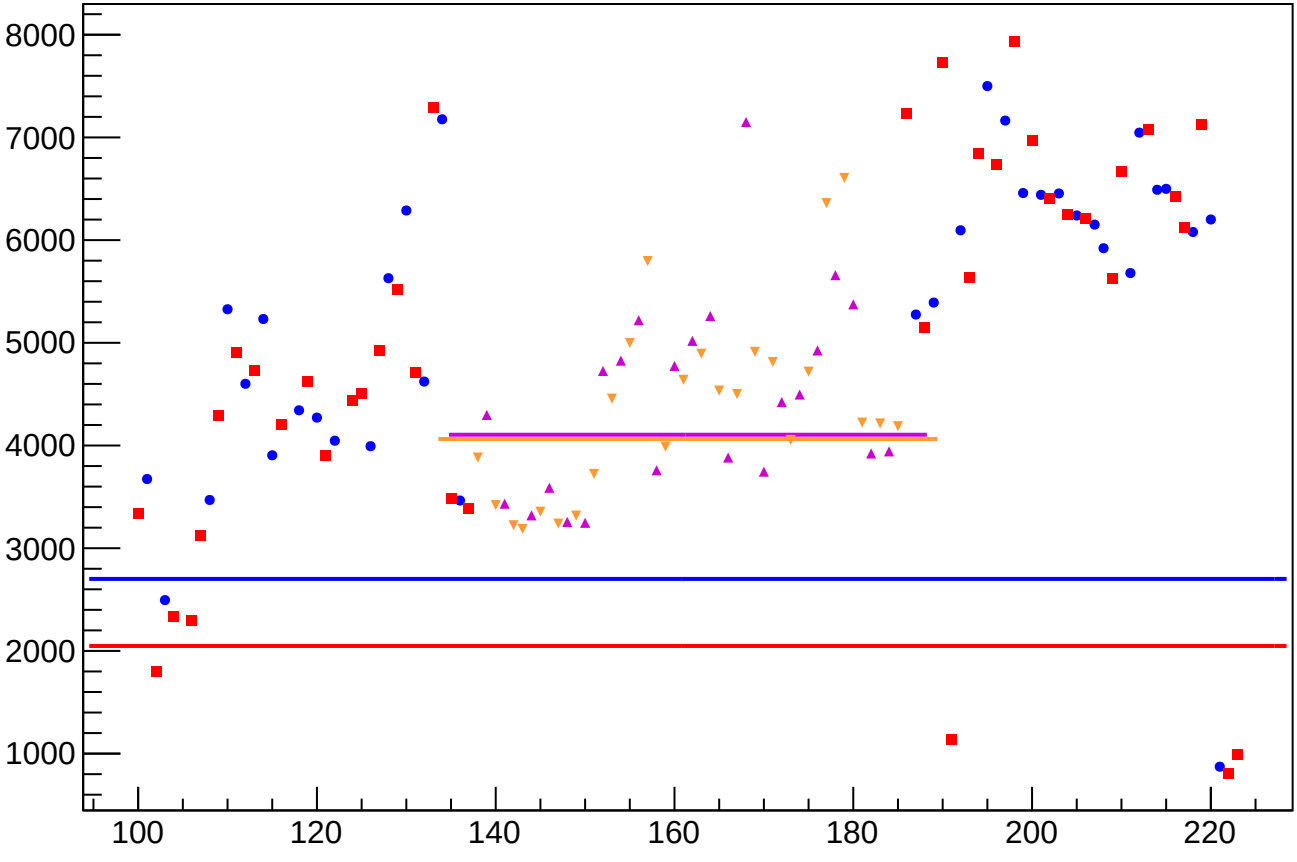
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -1278.710+/-589.330 χ^2/NDF: 67.3/58

All: -1317.473+/-387.409 χ^2/NDF: 121.5/120

- sign -1346.971+/-514.101 χ^2/NDF: 54.2/61

asym_atr_dd_reg_correction_rms vs Slug



Right In: 2701.141+/-0.532 χ^2/NDF: 17633672.9/33

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 2048.373+/-0.427 χ^2/NDF: 21508993.7/38

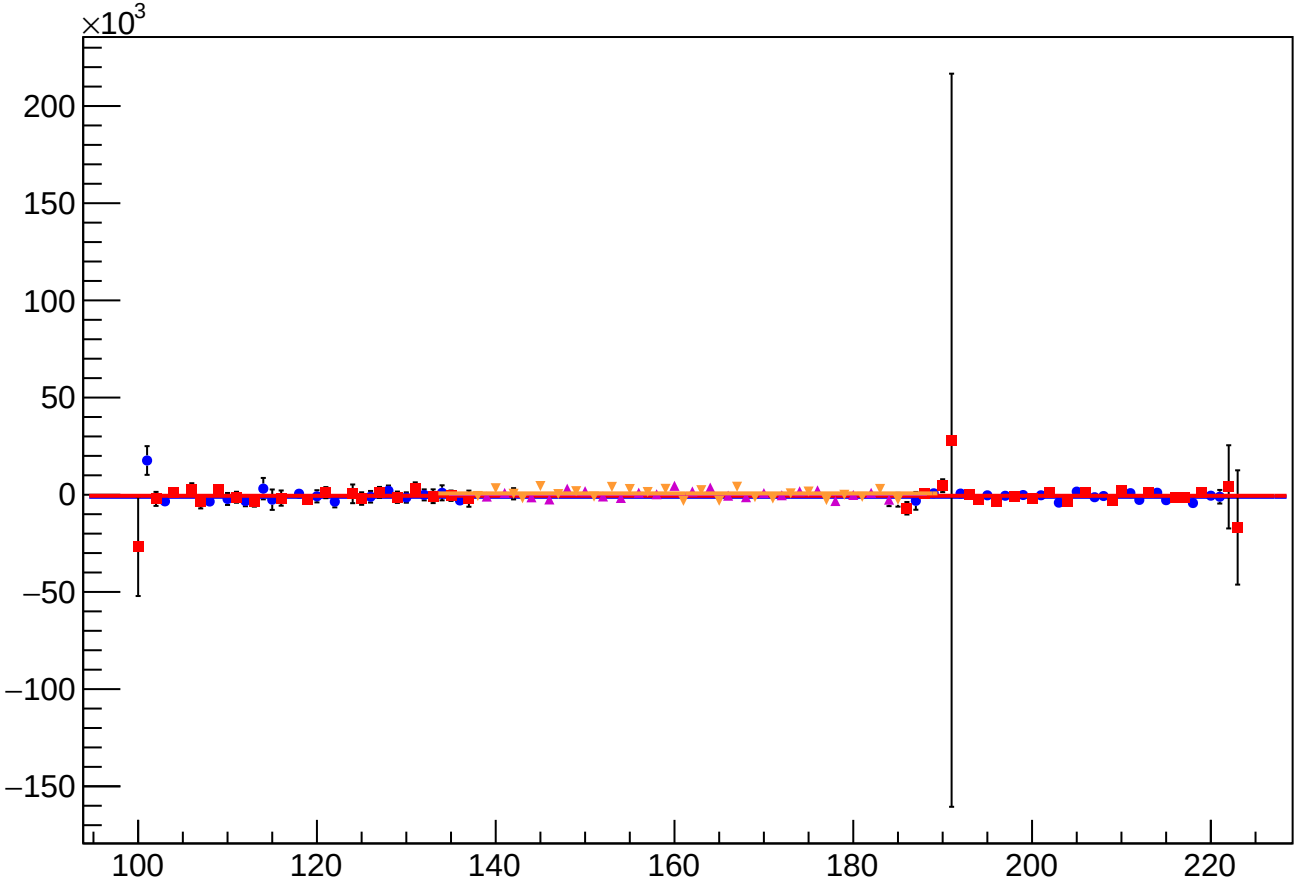
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 3228.743+/-0.417 χ^2/NDF: 21573695.3/58

All: 2879.703+/-0.274 χ^2/NDF: 52060244.7/1

- sign 2614.087+/-0.364 χ^2/NDF: 29251112.6/61

cor_asym_atr_dd_mean vs Slug



Right In: -1069.199+/-420.902 χ^2/NDF: 25.0/33

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -530.099+/-422.071 χ^2/NDF: 27.9/38

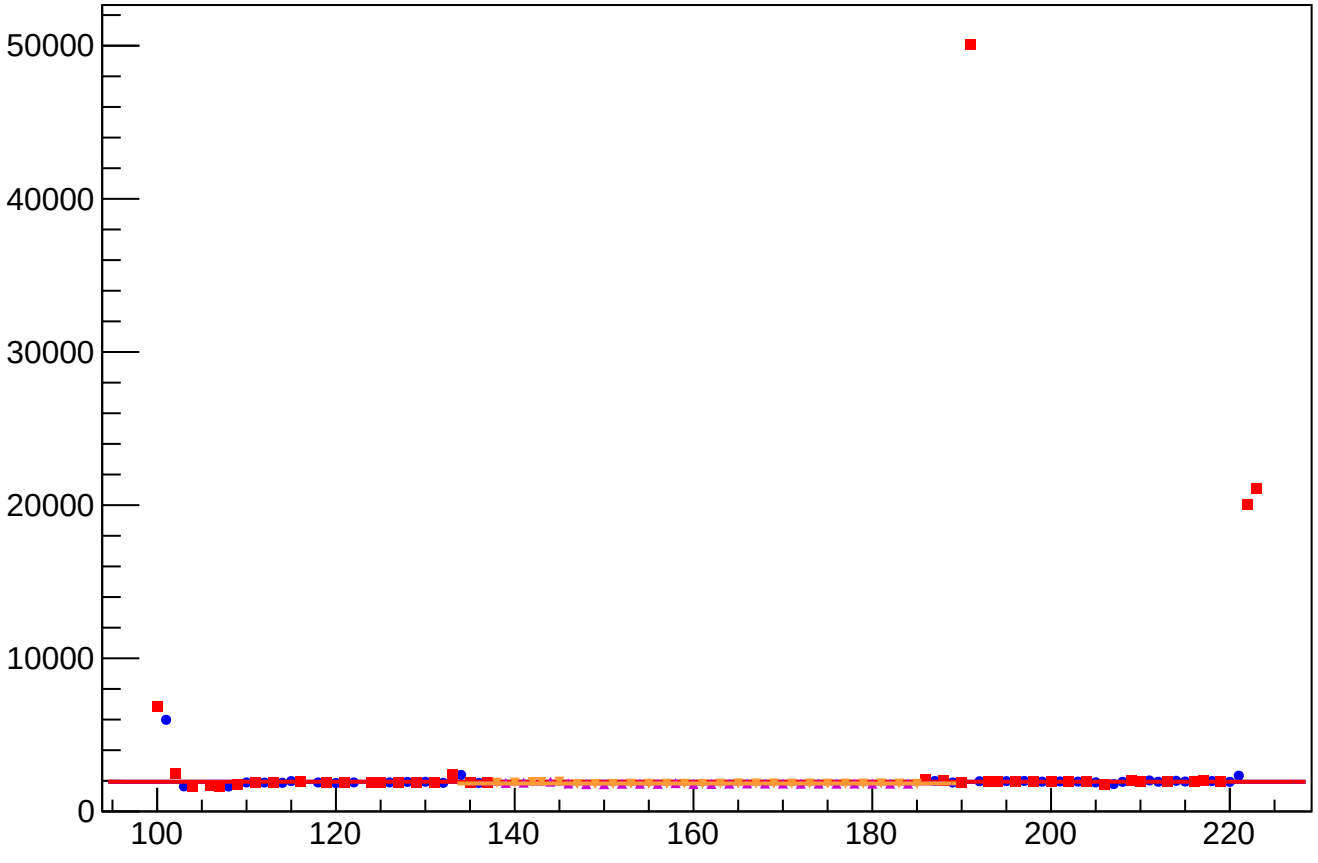
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign -169.985+/-295.652 χ^2/NDF: 65.9/58

All: -119.778+/-210.545 χ^2/NDF: 117.1/120

- sign -68.117+/-299.904 χ^2/NDF: 51.1/61

cor_asym_atr_dd_rms vs Slug



Right In: 1935.244+/-0.298 χ^2/NDF: 752323.5/33

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

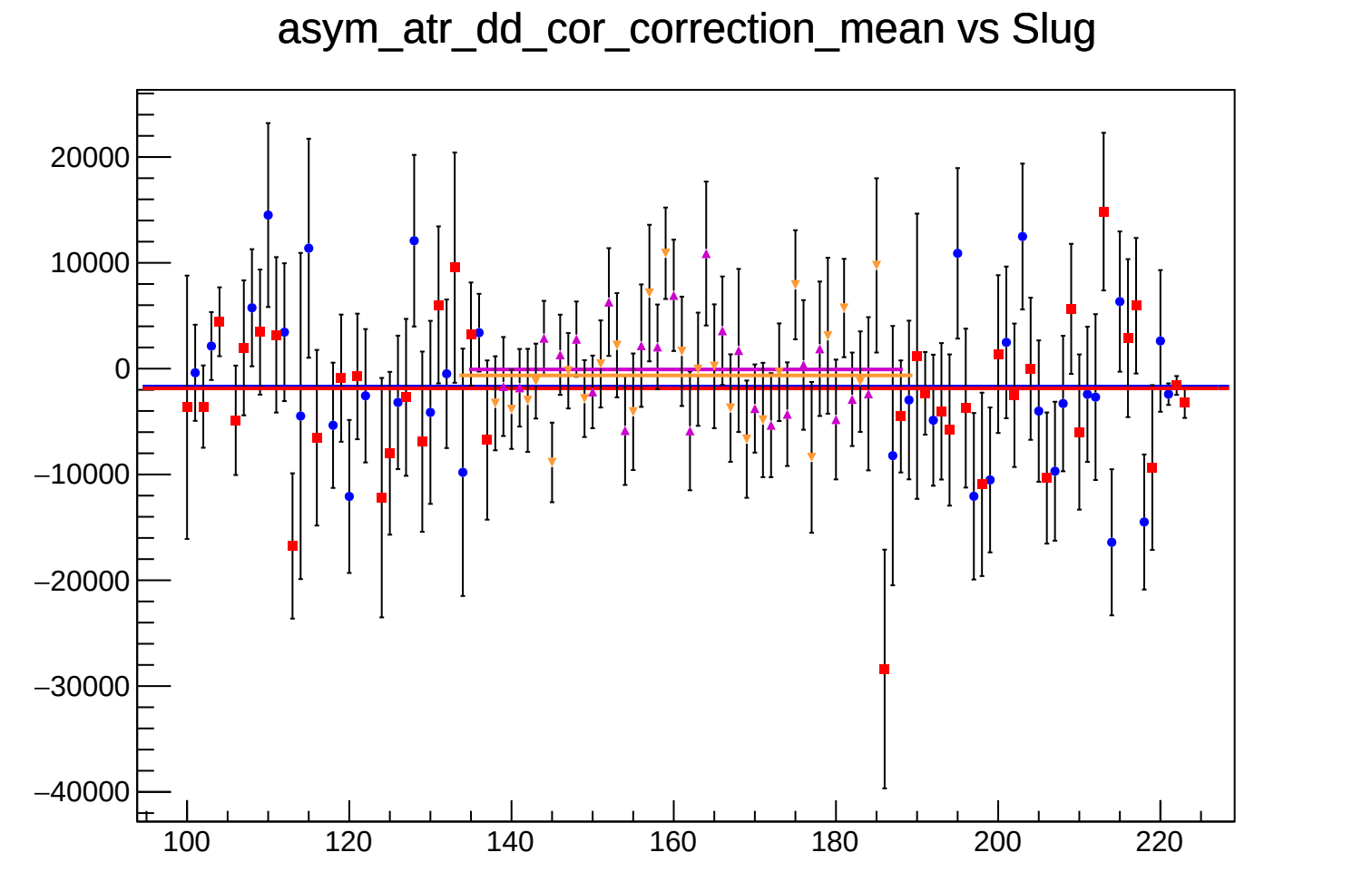
Right Out: 1942.276+/-0.298 χ^2/NDF: 2674706.3/38

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1881.037+/-0.209 χ^2/NDF: 837133.1/58

All: 1882.658+/-0.149 χ^2/NDF: 3601599.8/12

- sign 1884.325+/-0.212 χ^2/NDF: 2764344.8/61



Right In: -1690.738+/-752.406 χ^2/NDF: 40.6/33

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1868.392+/-612.149 χ^2/NDF: 36.9/38

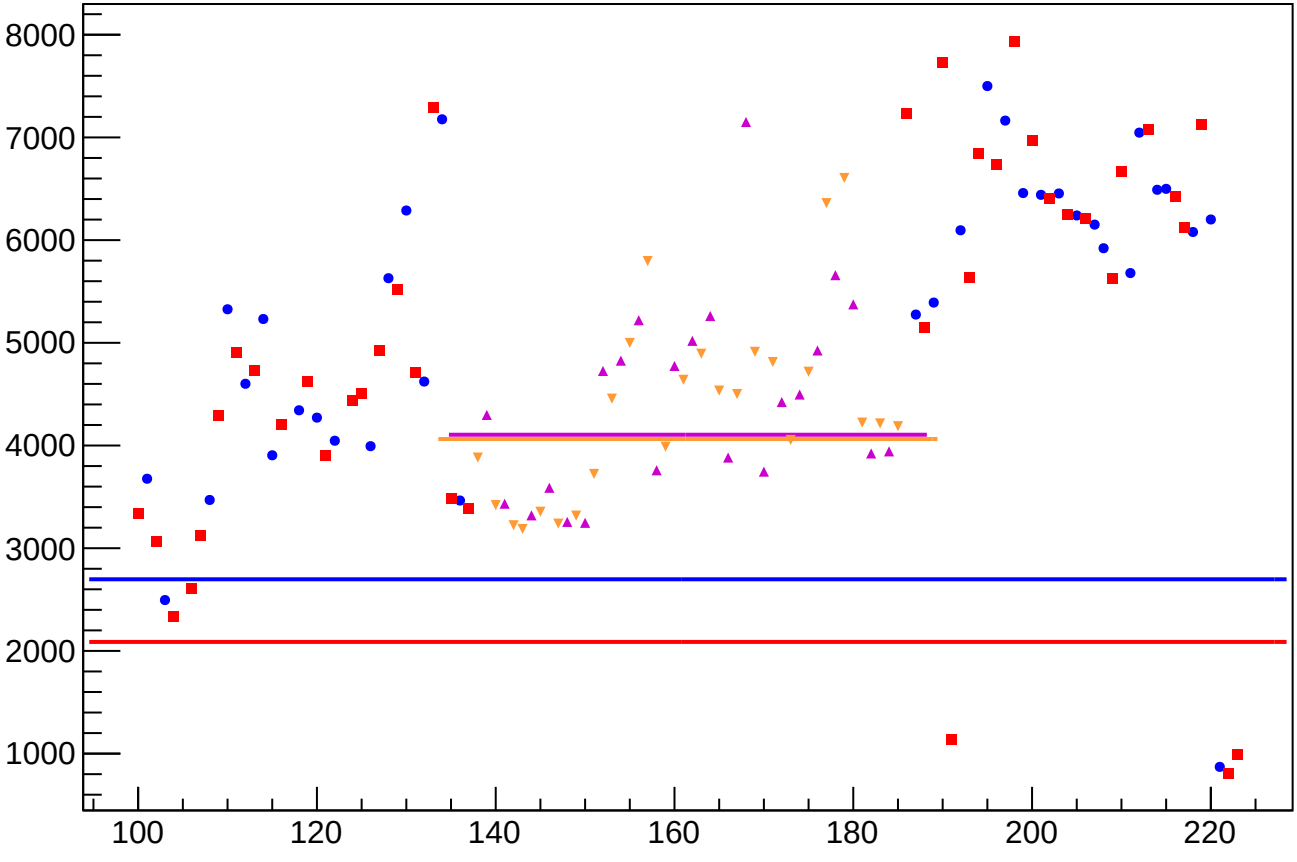
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -1283.175+/-589.071 χ^2/NDF: 67.3/58

All: -1329.474+/-389.511 χ^2/NDF: 122.0/120

- sign -1365.444+/-519.221 χ^2/NDF: 54.7/61

asym_atr_dd_cor_correction_rms vs Slug



Right In: 2697.485+/-0.532 χ^2/NDF: 17664415.3/33

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 2087.632+/-0.433 χ^2/NDF: 21638658.7/38

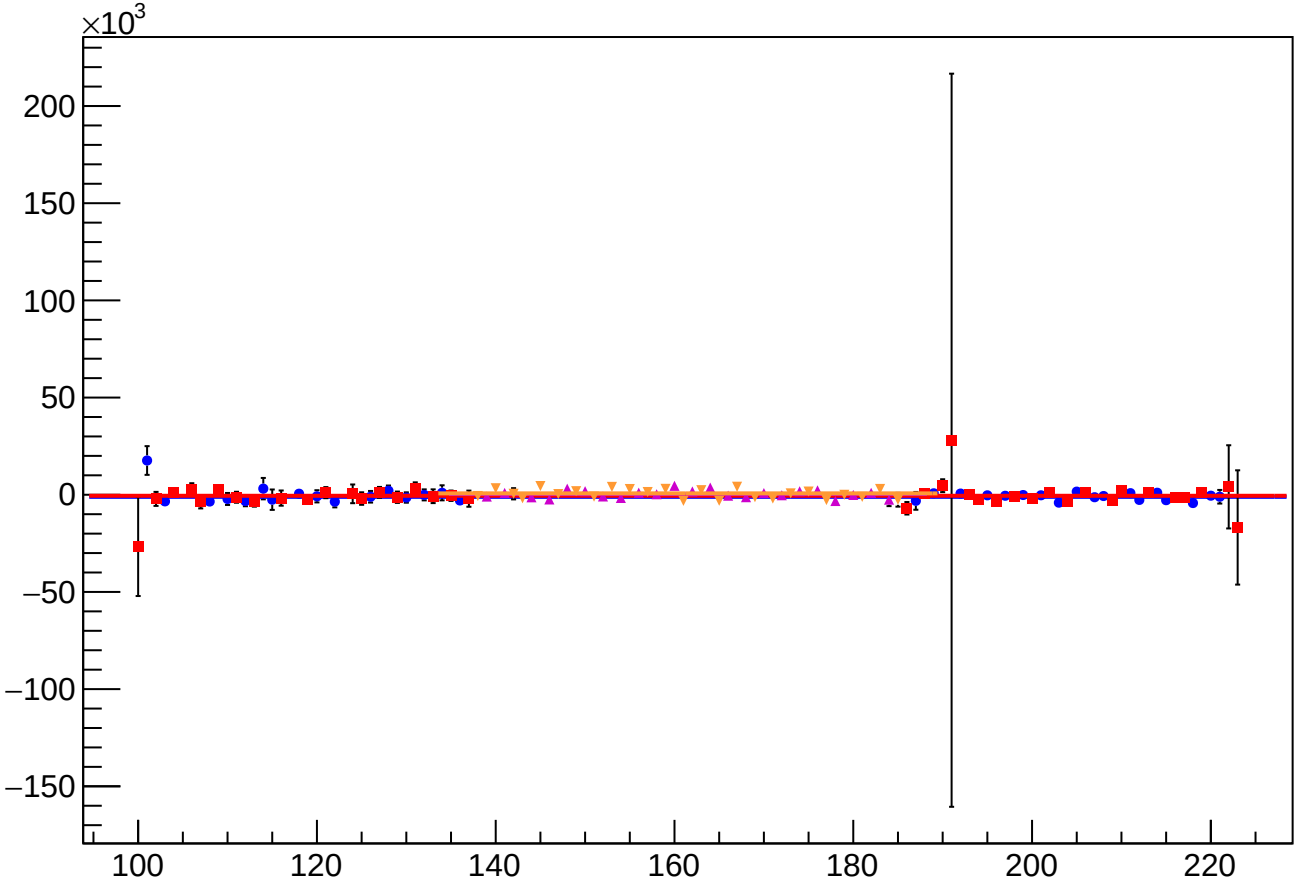
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3226.037+/-0.417 χ^2/NDF: 21619470.0/58

All: 2903.915+/-0.275 χ^2/NDF: 51774907.8/1

- sign 2653.656+/-0.367 χ^2/NDF: 29092759.5/61

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1069.199+/-420.902 χ^2/NDF: 25.0/33

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -530.099+/-422.071 χ^2/NDF: 27.9/38

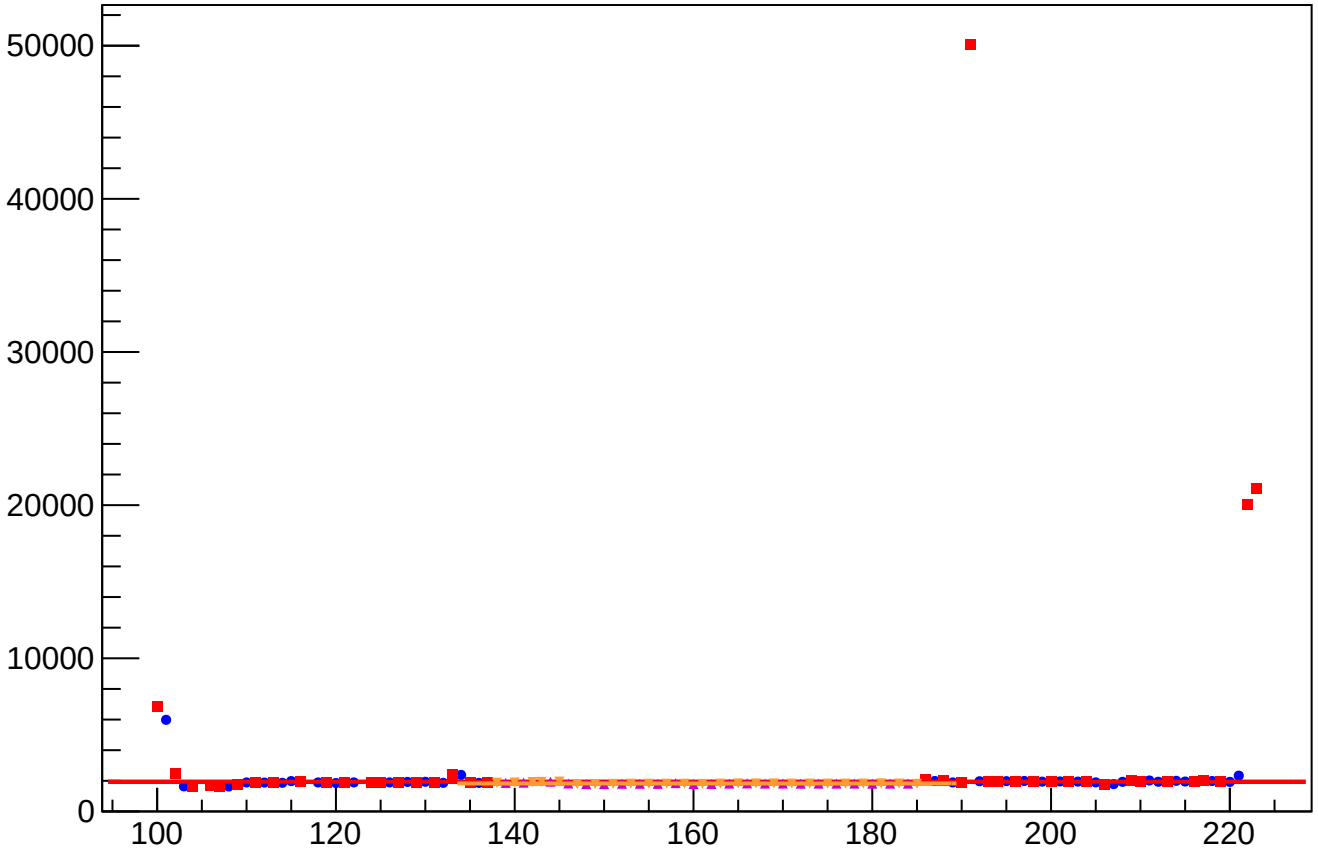
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign -169.985+/-295.652 χ^2/NDF: 65.9/58

All: -119.778+/-210.545 χ^2/NDF: 117.1/120

- sign -68.117+/-299.904 χ^2/NDF: 51.1/61

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1935.244+/-0.298 χ^2/NDF: 752323.5/33

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

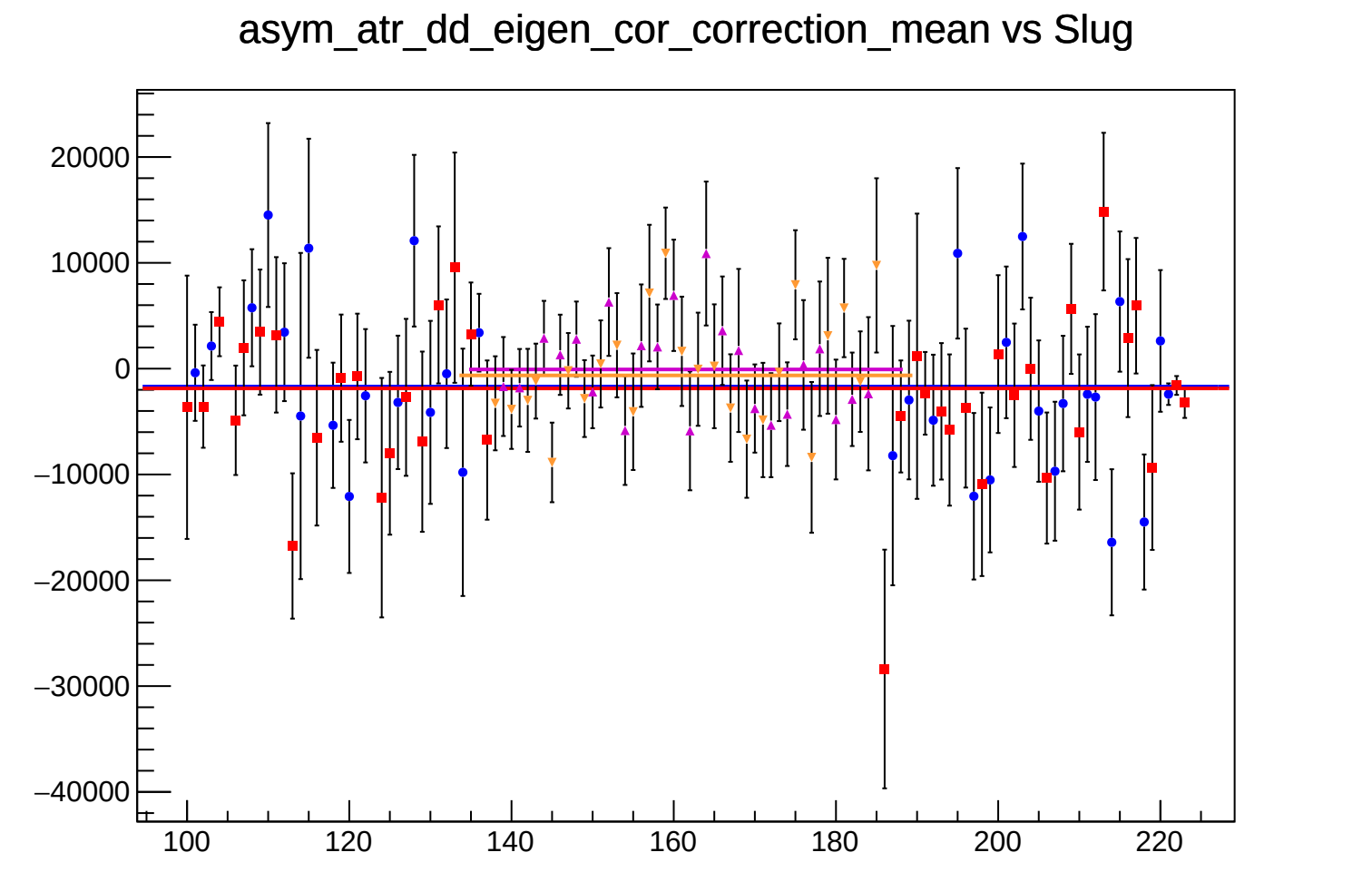
Right Out: 1942.276+/-0.298 χ^2/NDF: 2674706.3/38

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1881.037+/-0.209 χ^2/NDF: 837133.1/58

All: 1882.658+/-0.149 χ^2/NDF: 3601599.8/12

- sign 1884.325+/-0.212 χ^2/NDF: 2764344.8/61



Right In: -1690.738+/-752.406 χ^2/NDF: 40.6/33

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1868.392+/-612.149 χ^2/NDF: 36.9/38

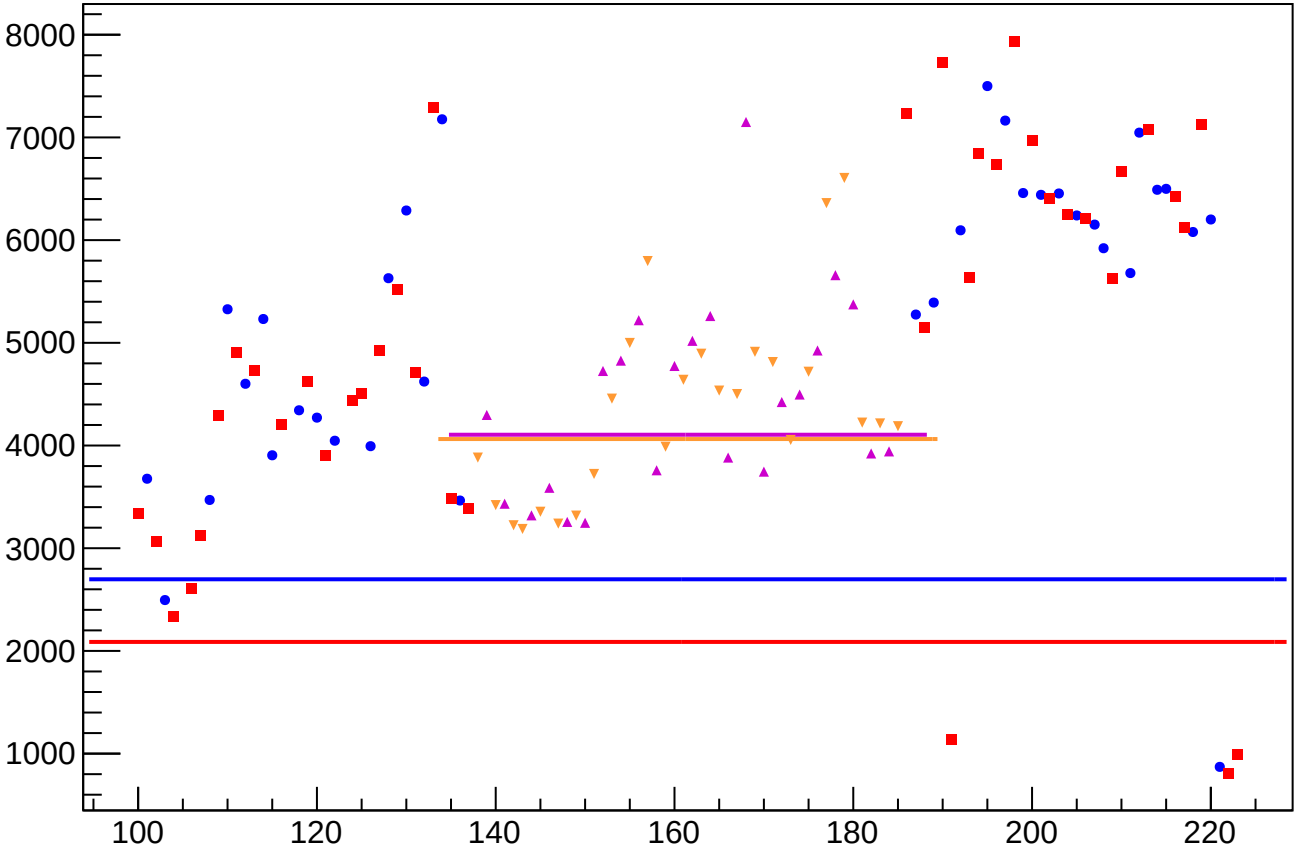
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -1283.175+/-589.071 χ^2/NDF: 67.3/58

All: -1329.474+/-389.511 χ^2/NDF: 122.0/120

- sign -1365.444+/-519.221 χ^2/NDF: 54.7/61

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 2697.485+/-0.532 χ^2/NDF: 17664415.3/33

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 2087.632+/-0.433 χ^2/NDF: 21638658.7/38

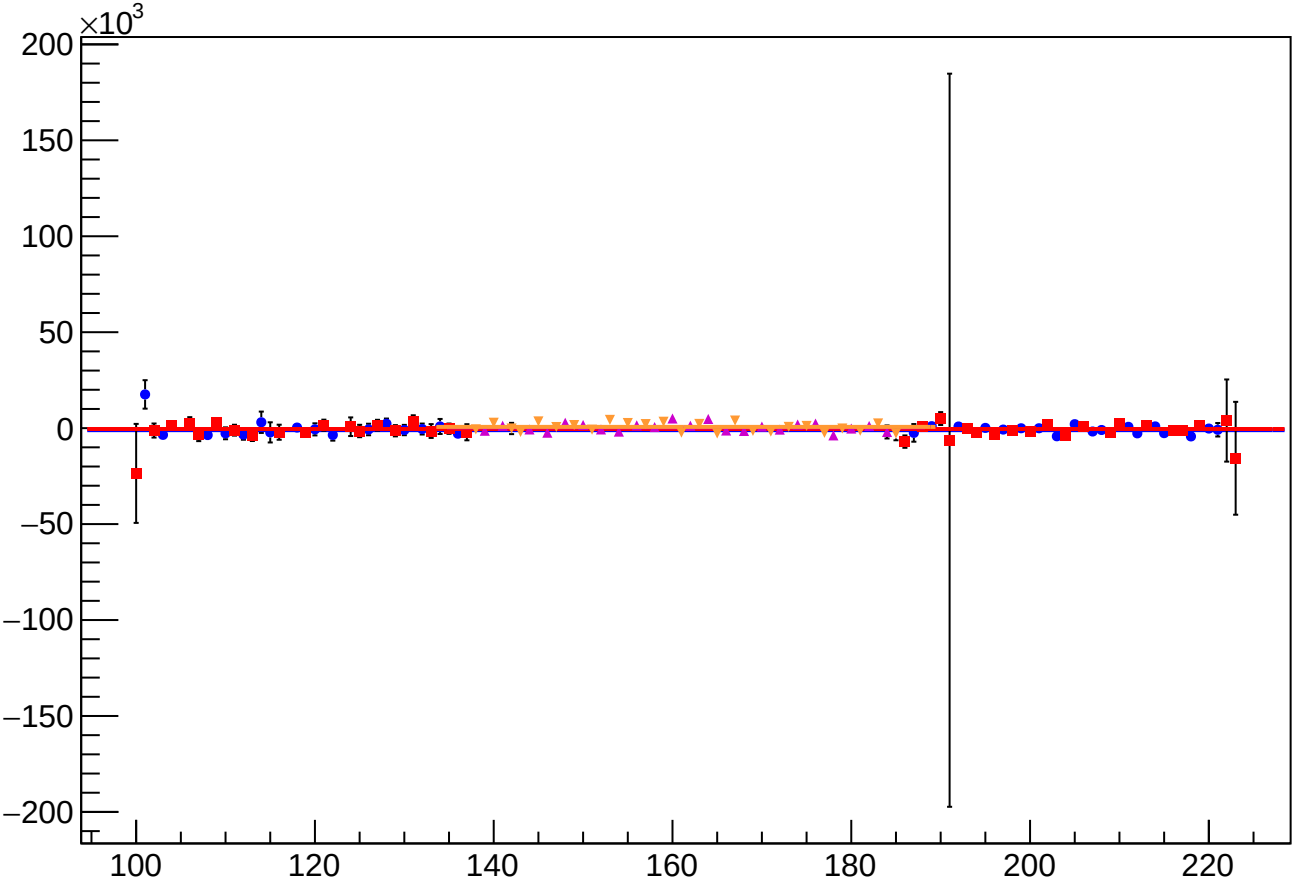
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3226.037+/-0.417 χ^2/NDF: 21619470.0/58

All: 2903.915+/-0.275 χ^2/NDF: 51774907.8/1

- sign 2653.656+/-0.367 χ^2/NDF: 29092759.5/61

dit_asym_atr_dd_mean vs Slug



Right In: -1047.545+/-423.917 χ^2/NDF: 26.2/33

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -444.151+/-425.542 χ^2/NDF: 30.1/38

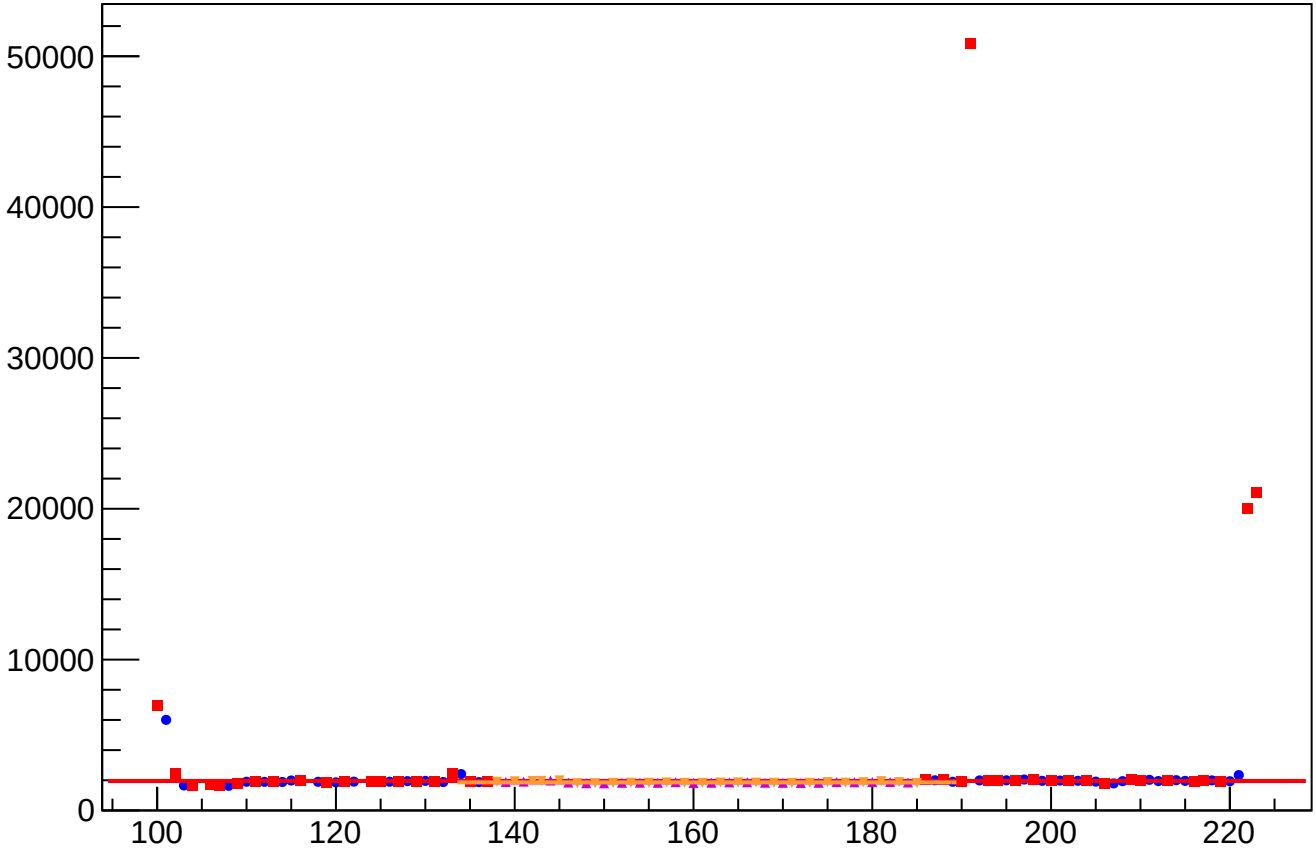
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -193.244+/-299.452 χ^2/NDF: 61.4/58

All: -110.291+/-213.265 χ^2/NDF: 117.3/120

- sign -24.911+/-303.801 χ^2/NDF: 55.7/61

dit_asym_atr_dd_rms vs Slug



Right In: 1949.040+/-0.300 χ^2/NDF: 753240.8/33

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1957.917+/-0.301 χ^2/NDF: 2678697.4/38

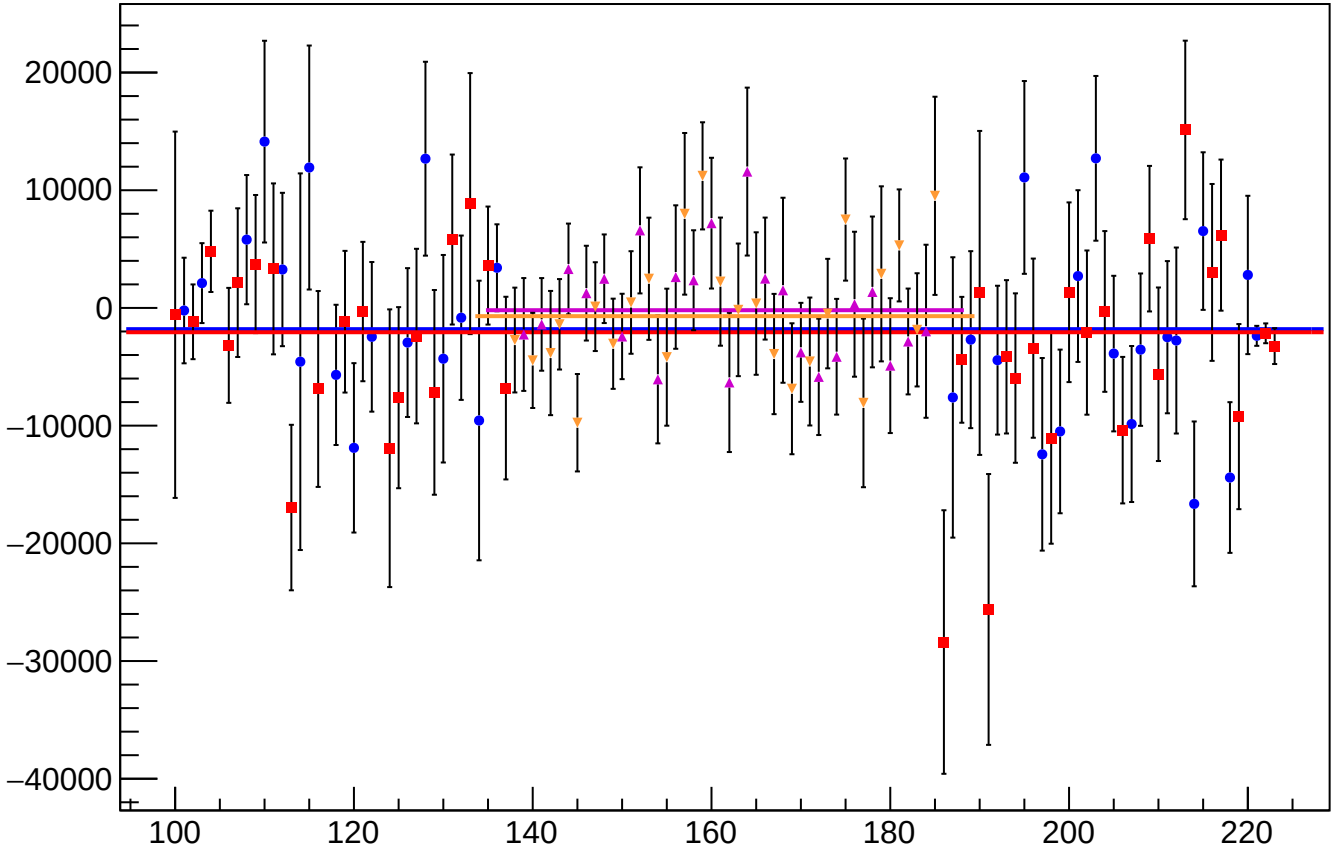
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1905.297+/-0.212 χ^2/NDF: 821759.6/58

All: 1907.013+/-0.151 χ^2/NDF: 3571423.7/12

- sign 1908.778+/-0.215 χ^2/NDF: 2749530.9/61

asym_atr_dd_dit_correction_mean vs Slug



Right In: -1803.058+/-678.496 χ^2/NDF: 40.6/33

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -2064.726+/-607.930 χ^2/NDF: 40.4/38

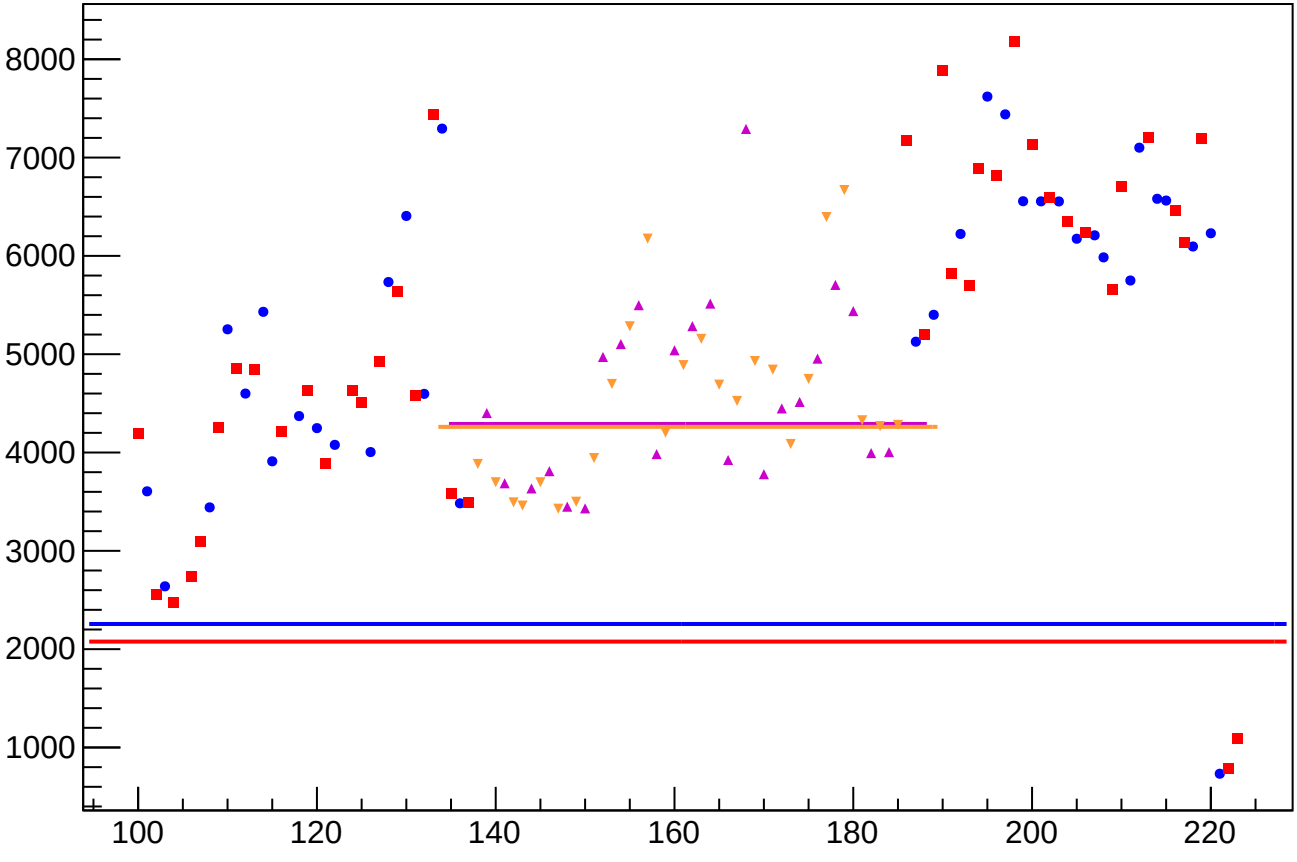
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -1450.000+/-559.676 χ^2/NDF: 66.8/58

All: -1517.174+/-381.947 χ^2/NDF: 124.9/120

- sign -1575.731+/-522.543 χ^2/NDF: 58.1/61

asym_atr_dd_dit_correction_rms vs Slug



Right In: 2256.071+/-0.480 χ^2/NDF: 21251871.5/33

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 2076.977+/-0.430 χ^2/NDF: 22176449.7/38

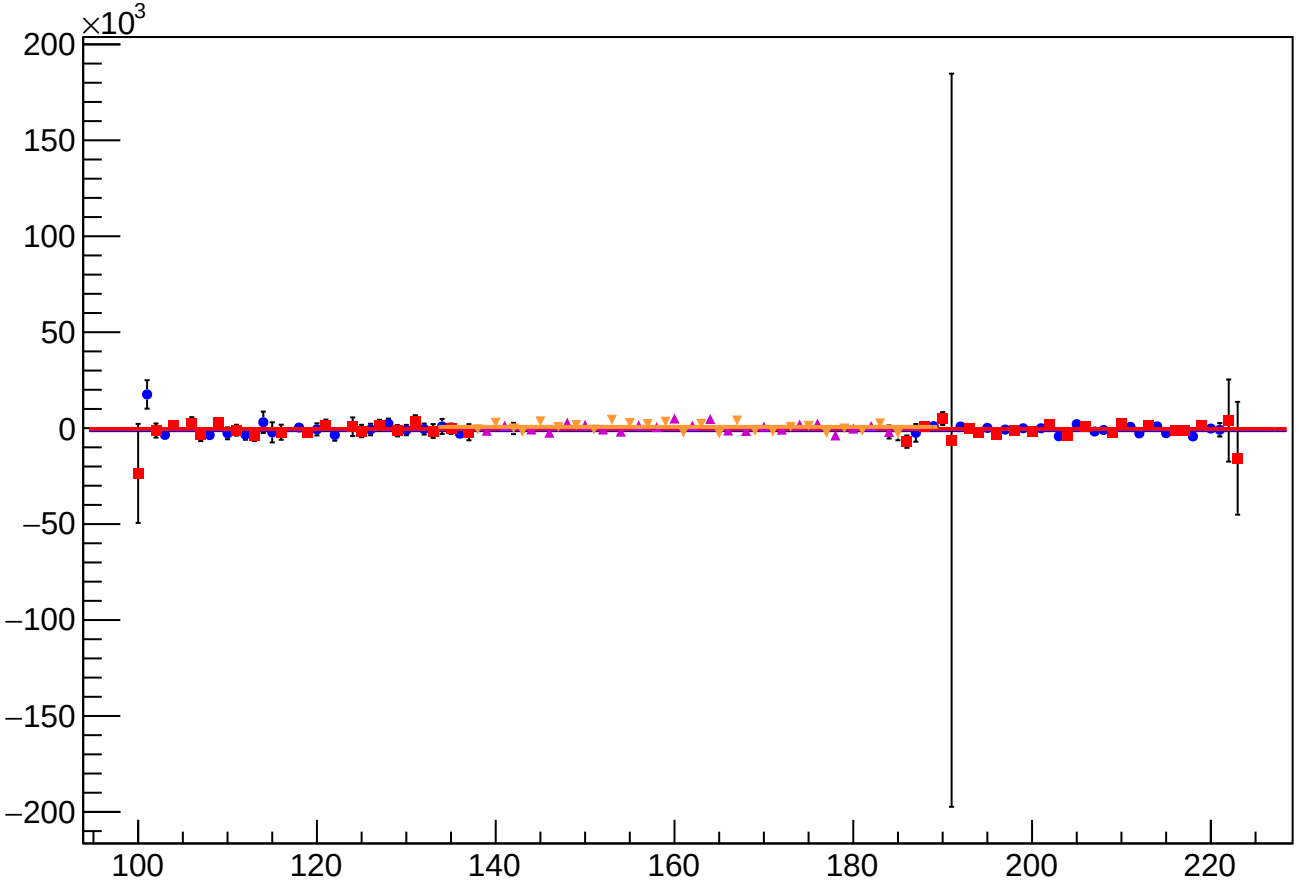
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 2896.837+/-0.396 χ^2/NDF: 28024059.1/58

All: 2767.674+/-0.270 χ^2/NDF: 58538449.6/1

- sign 2655.083+/-0.369 χ^2/NDF: 30315017.8/61

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1047.538+/-423.917 χ^2/NDF: 26.2/33

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -444.148+/-425.542 χ^2/NDF: 30.1/38

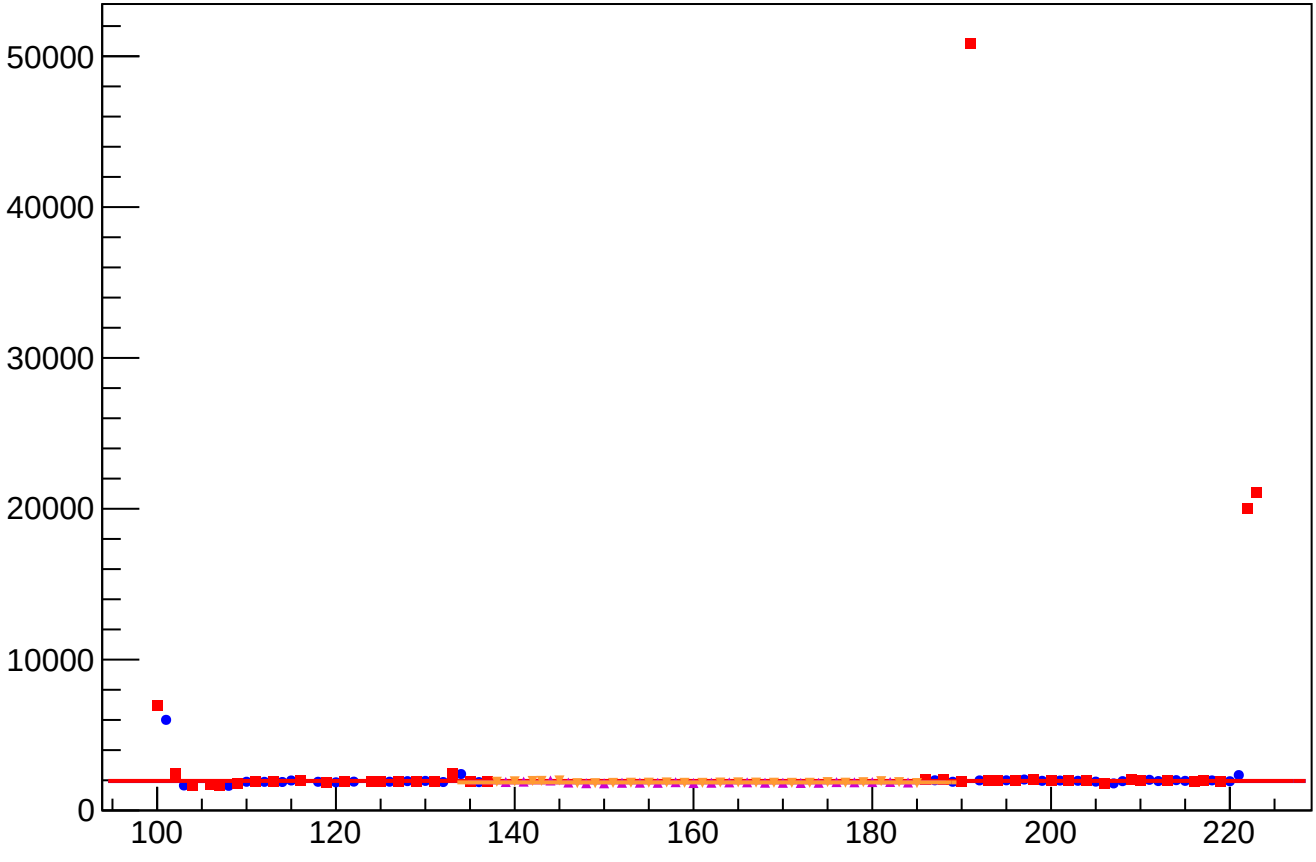
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -193.239+/-299.452 χ^2/NDF: 61.4/58

All: -110.288+/-213.266 χ^2/NDF: 117.3/120

- sign -24.910+/-303.801 χ^2/NDF: 55.7/61

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1949.040+/-0.300 χ^2/NDF: 753240.6/33

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

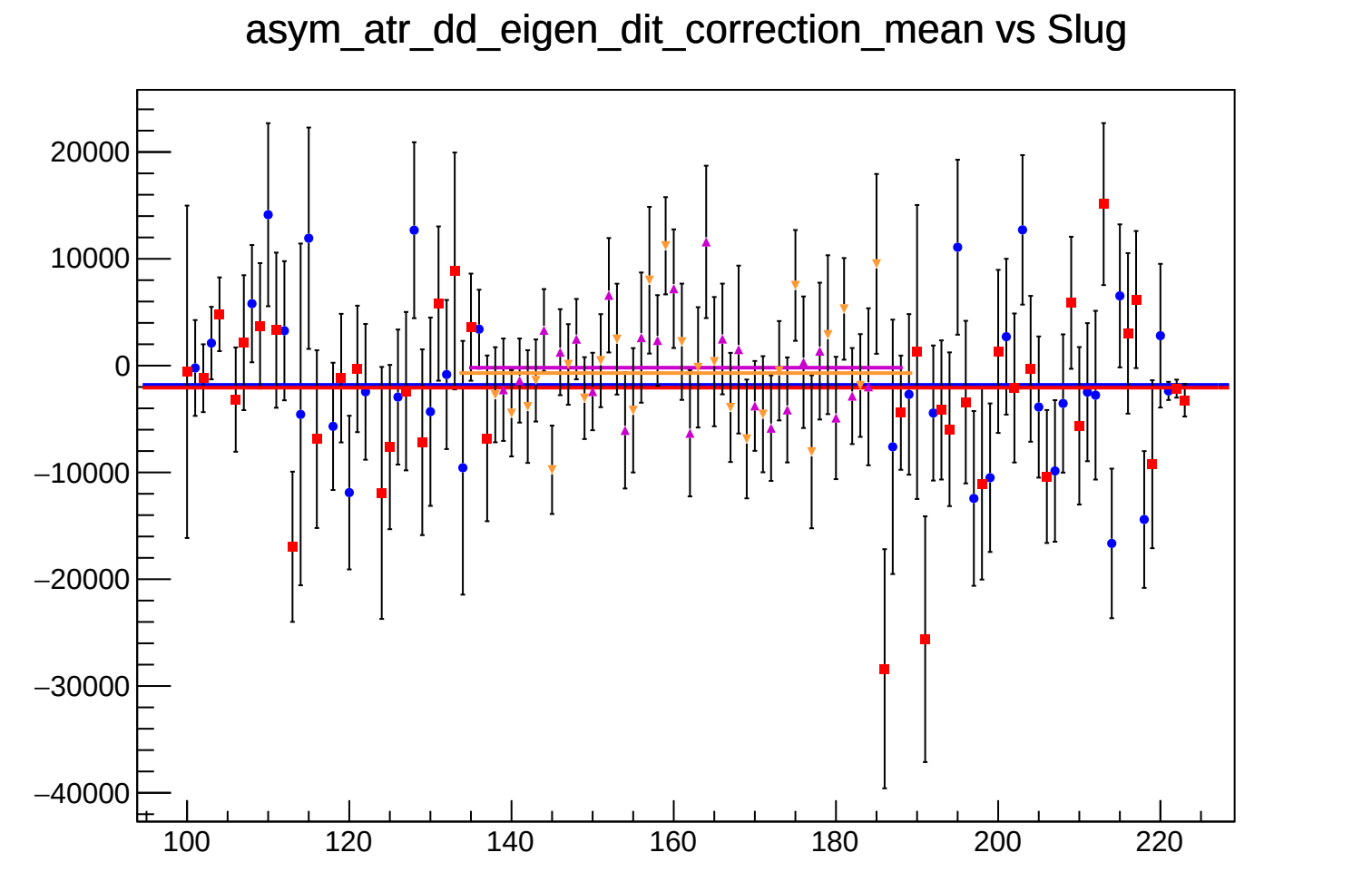
Right Out: 1957.917+/-0.301 χ^2/NDF: 2678697.5/38

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1905.297+/-0.212 χ^2/NDF: 821758.9/58

All: 1907.013+/-0.151 χ^2/NDF: 3571422.5/12

- sign 1908.778+/-0.215 χ^2/NDF: 2749530.4/61



Right In: -1803.042+/-678.496 χ^2/NDF: 40.6/33

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -2064.724+/-607.930 χ^2/NDF: 40.4/38

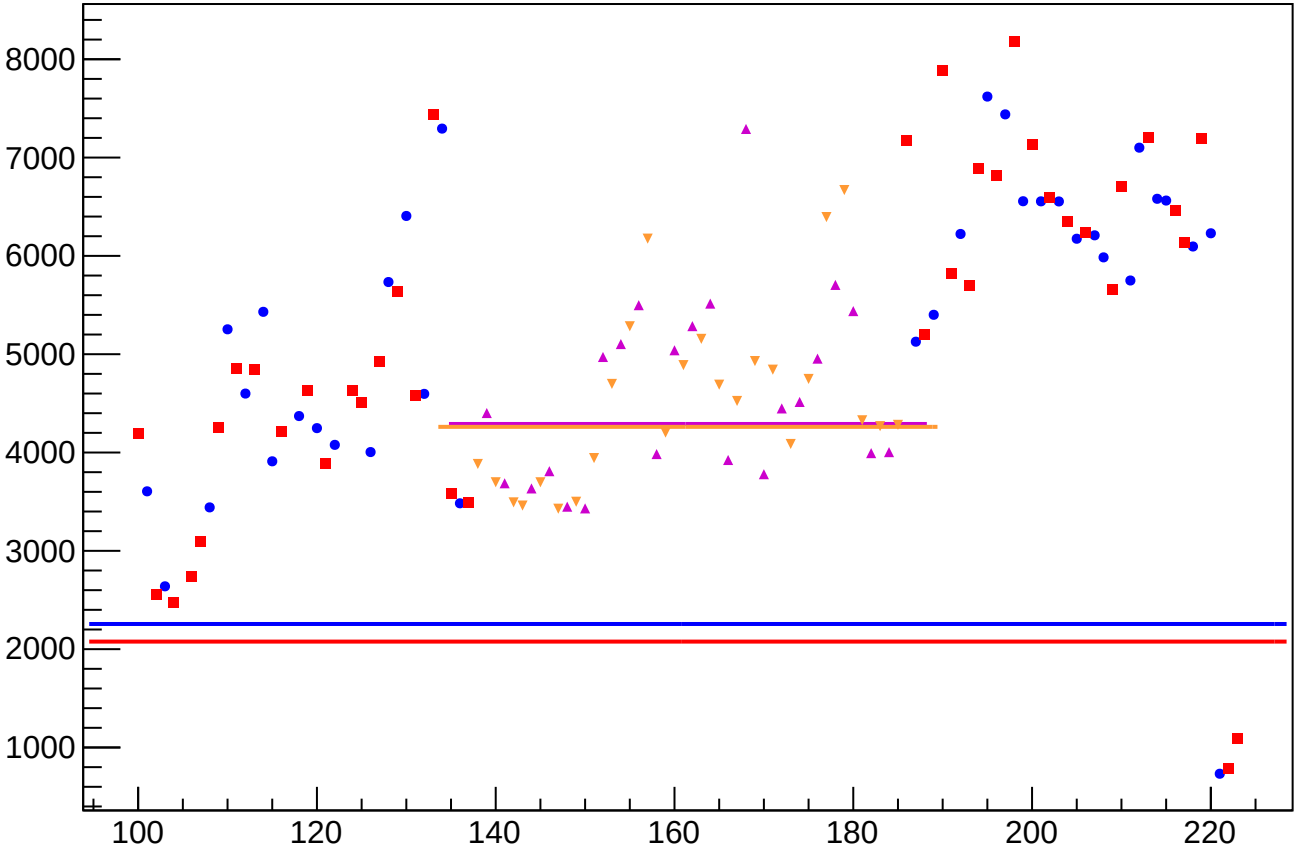
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -1449.989+/-559.677 χ^2/NDF: 66.8/58

All: -1517.169+/-381.948 χ^2/NDF: 124.9/120

- sign -1575.730+/-522.544 χ^2/NDF: 58.1/61

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 2256.076+/-0.480 χ^2/NDF: 21251833.0/33

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 2076.981+/-0.430 χ^2/NDF: 22176412.6/38

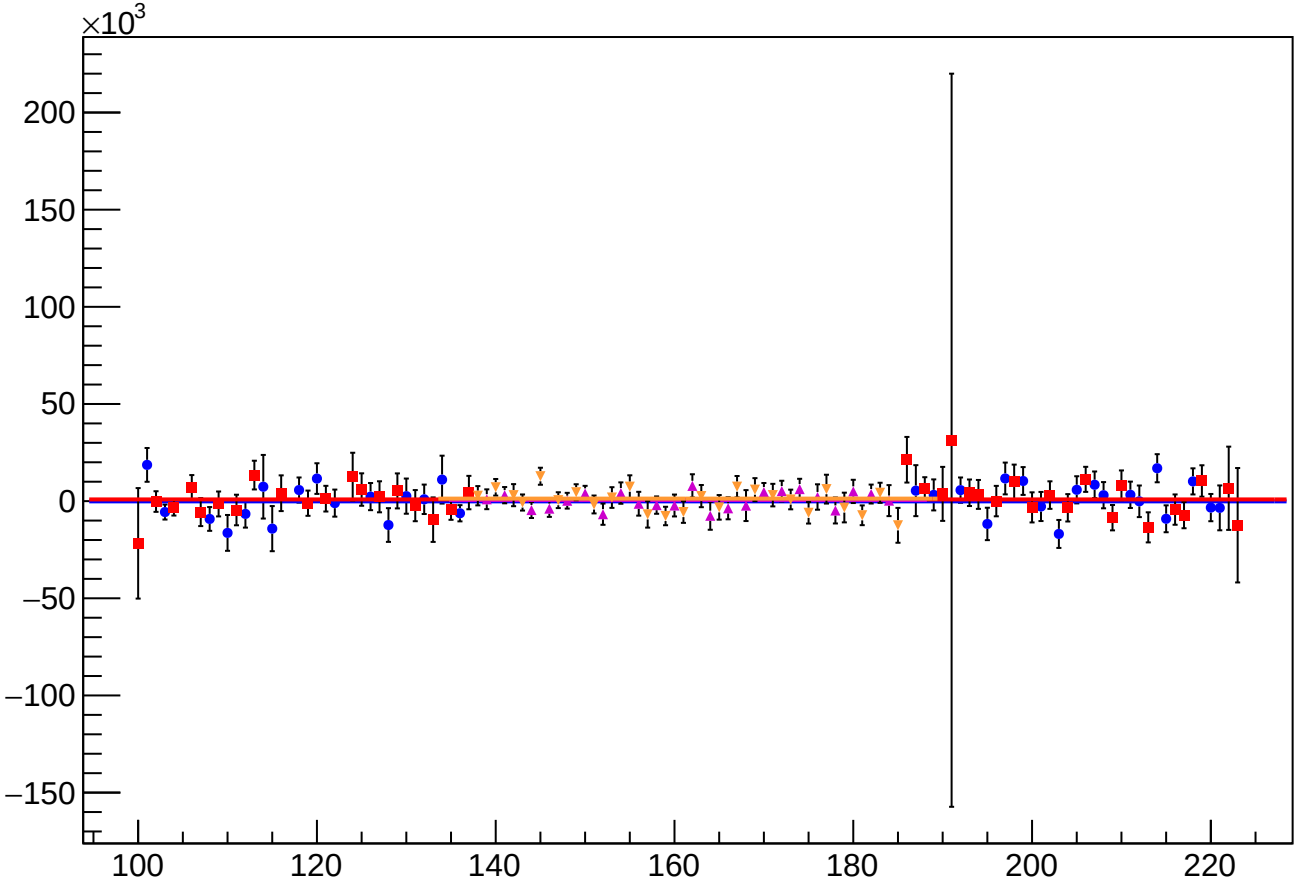
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 2896.842+/-0.396 χ^2/NDF: 28024018.2/58

All: 2767.679+/-0.270 χ^2/NDF: 58538374.2/1

- sign 2655.087+/-0.369 χ^2/NDF: 30314982.2/61

asym_atr_dd_mean vs Slug



Right In: -115.671+/-1230.986 χ^2/NDF: 48.2/33

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 885.463+/-1207.240 χ^2/NDF: 29.6/38

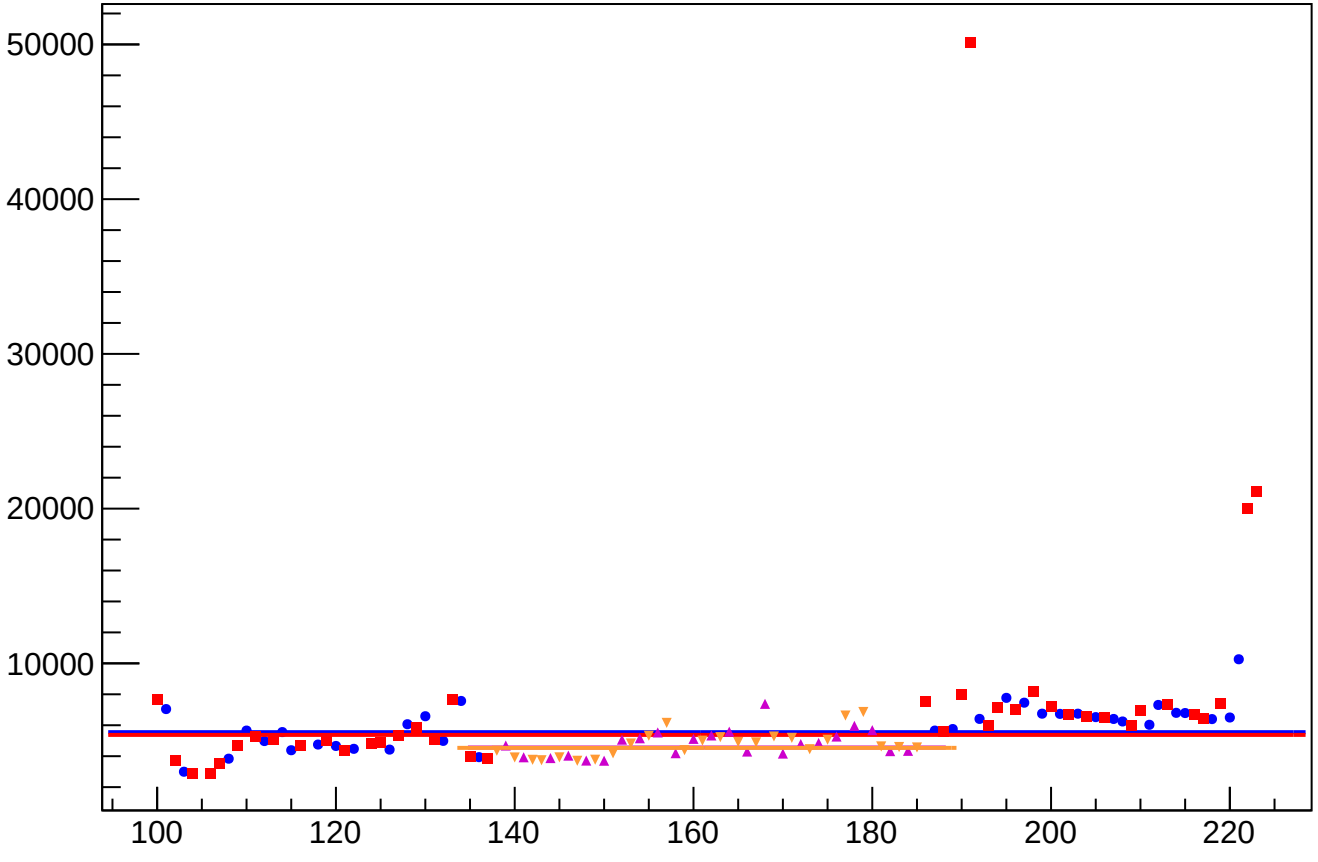
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 703.139+/-798.666 χ^2/NDF: 77.4/58

All: 708.578+/-567.246 χ^2/NDF: 121.5/120

\- sign 714.115+/-805.794 χ^2/NDF: 44.1/61

asym_atr_dd_rms vs Slug



Right In: 5552.249+/-0.870 χ^2/NDF: 2847393.5/33

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

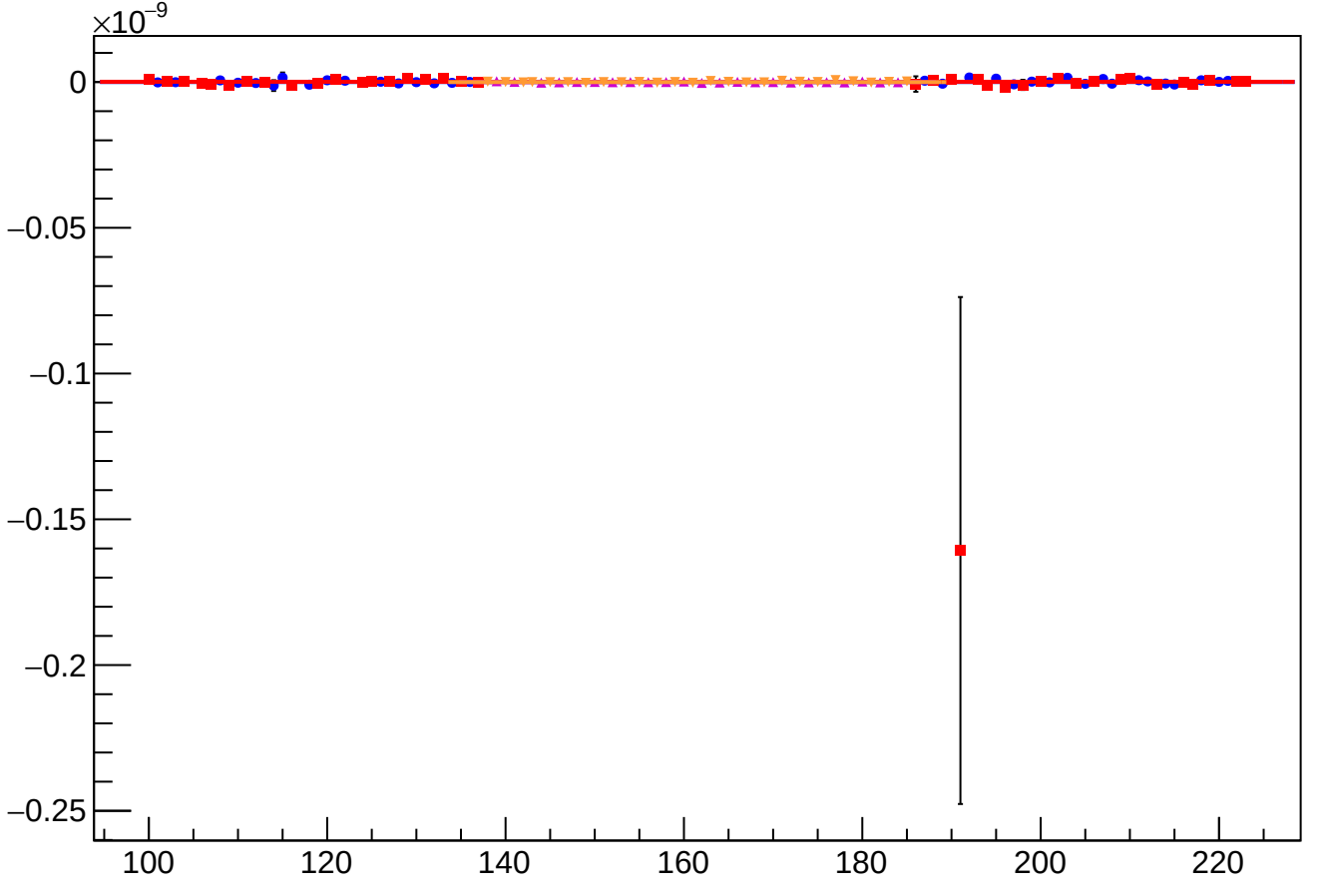
Right Out: 5376.421+/-0.850 χ^2/NDF: 4852447.8/38

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4964.904+/-0.565 χ^2/NDF: 4626601.8/58

All: 4945.507+/-0.401 χ^2/NDF: 10970737.0/1

- sign 4925.843+/-0.569 χ^2/NDF: 6341759.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.4/38

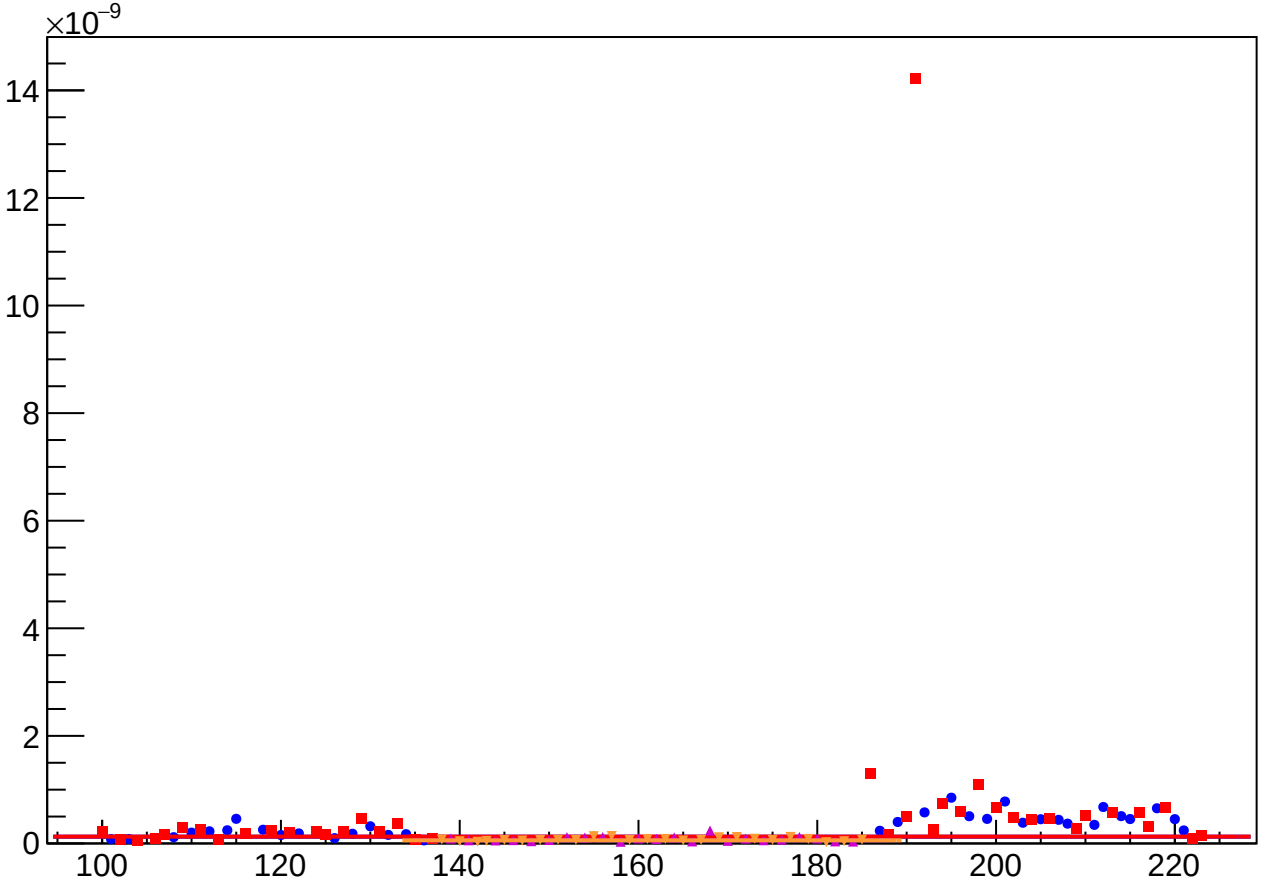
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.9/58

All: -0.000+/-0.000 χ^2/NDF: 137.3/120

- sign 0.000+/-0.000 χ^2/NDF: 68.7/61

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8798075.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

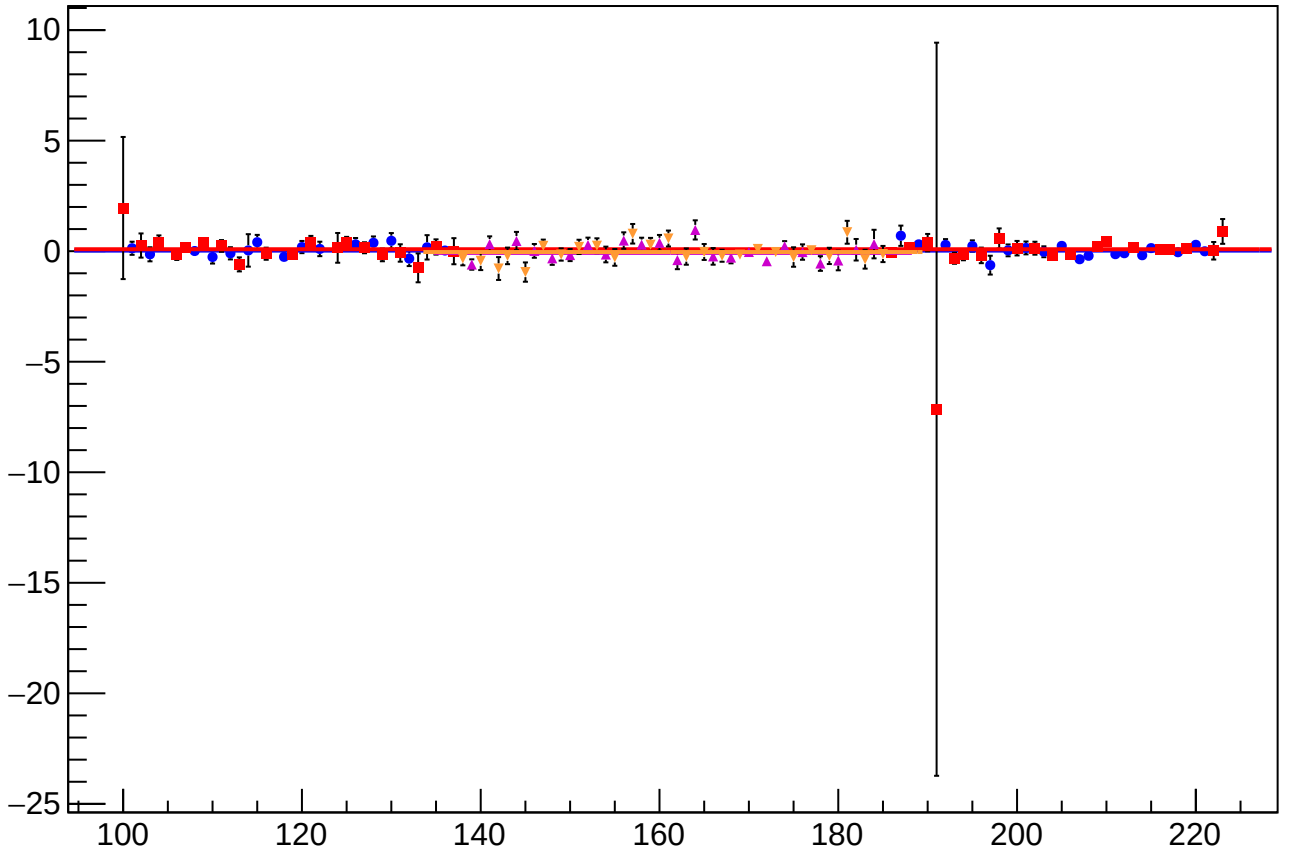
Right Out: 0.000+/-0.000 χ^2/NDF: 8494684.8/38

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13012498.5/58

All: 0.000+/-0.000 χ^2/NDF: 25848942.4/120

- sign 0.000+/-0.000 χ^2/NDF: 12832559.3/61



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.088+/-0.039 χ^2/NDF: 35.5/38

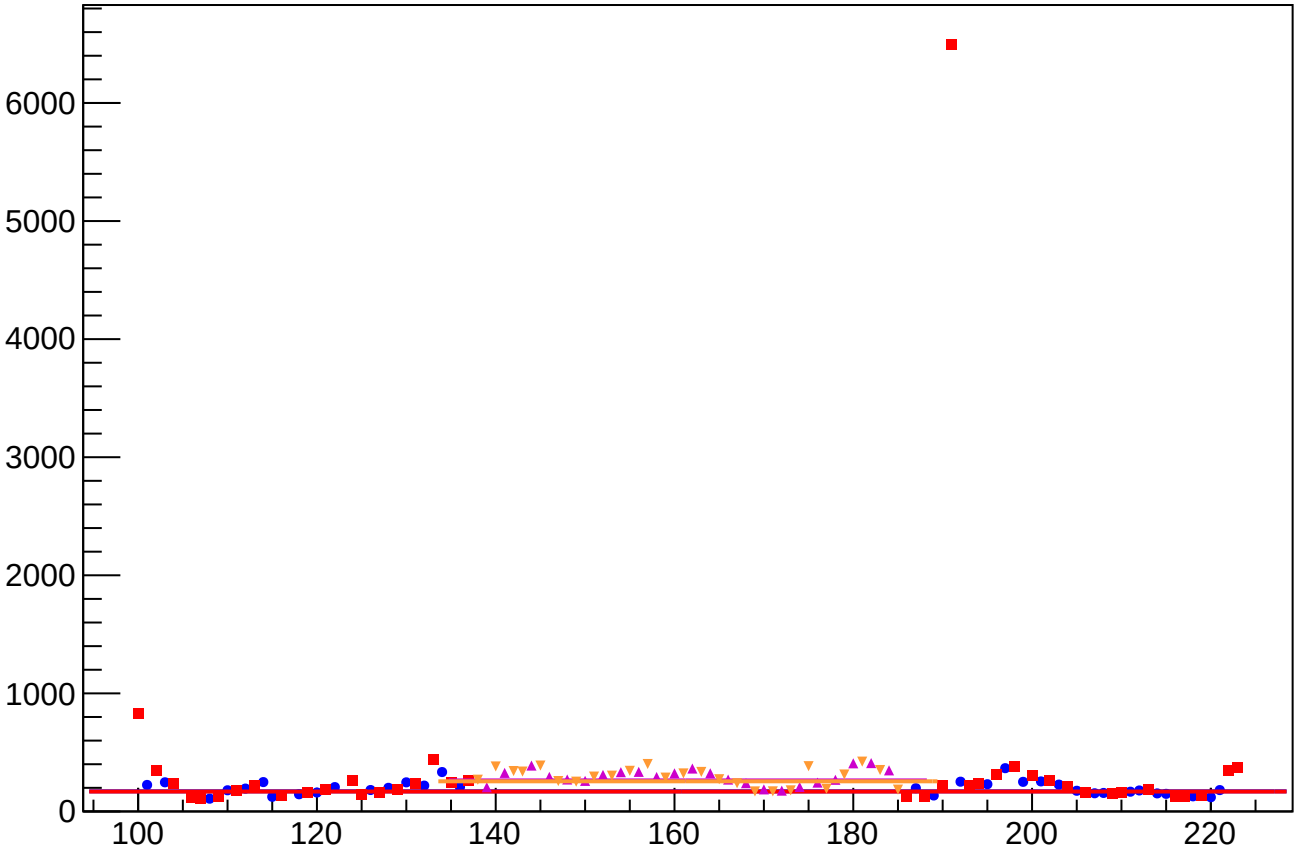
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/58

All: 0.026+/-0.023 χ^2/NDF: 132.2/120

- sign 0.044+/-0.033 χ^2/NDF: 71.4/61

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 170.500+/-0.027 χ^2/NDF: 2790055.1/33

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 168.690+/-0.027 χ^2/NDF: 4799738.6/38

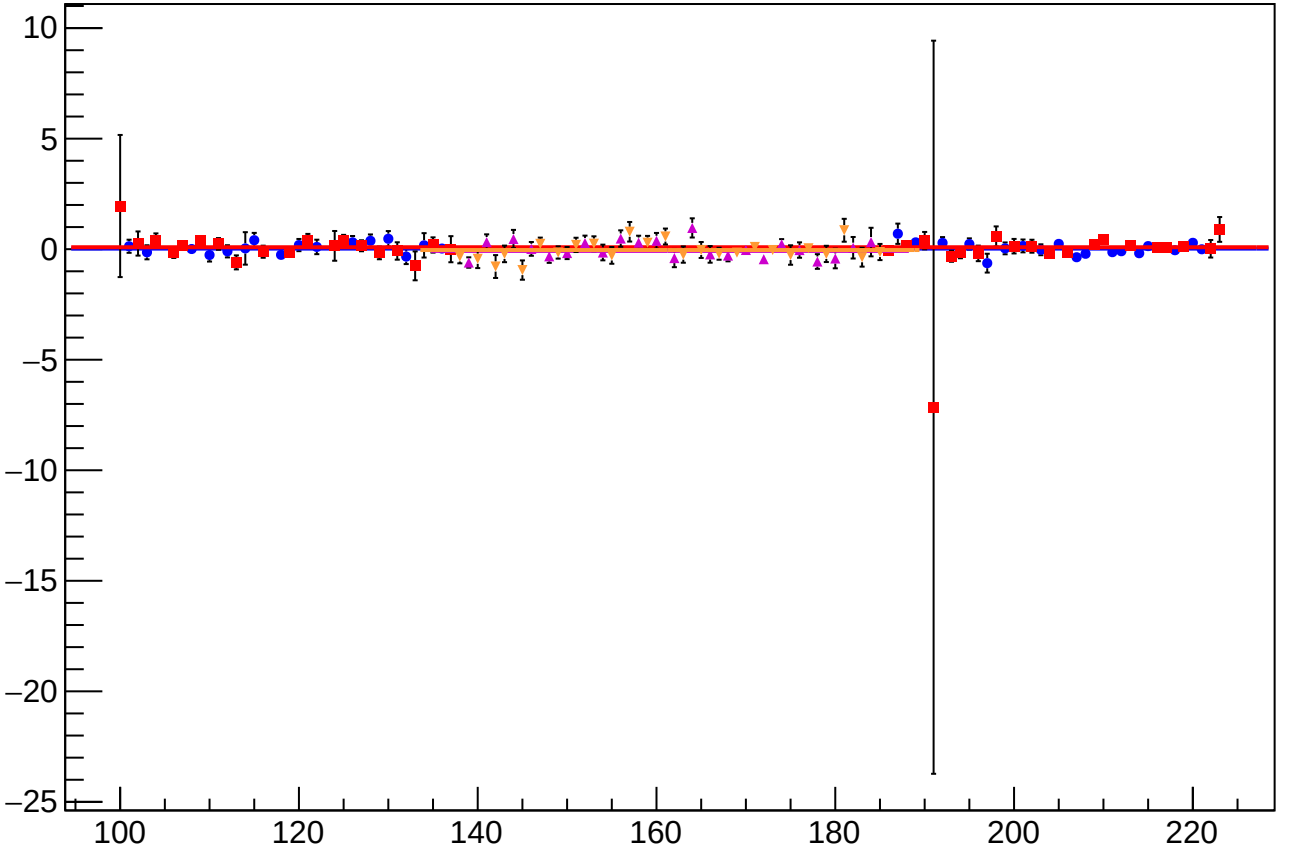
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 194.319+/-0.023 χ^2/NDF: 8426816.9/58

All: 193.844+/-0.017 χ^2/NDF: 18356382.6/12

- sign 193.357+/-0.023 χ^2/NDF: 9928716.1/61

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.088+/-0.039 χ^2/NDF: 35.5/38

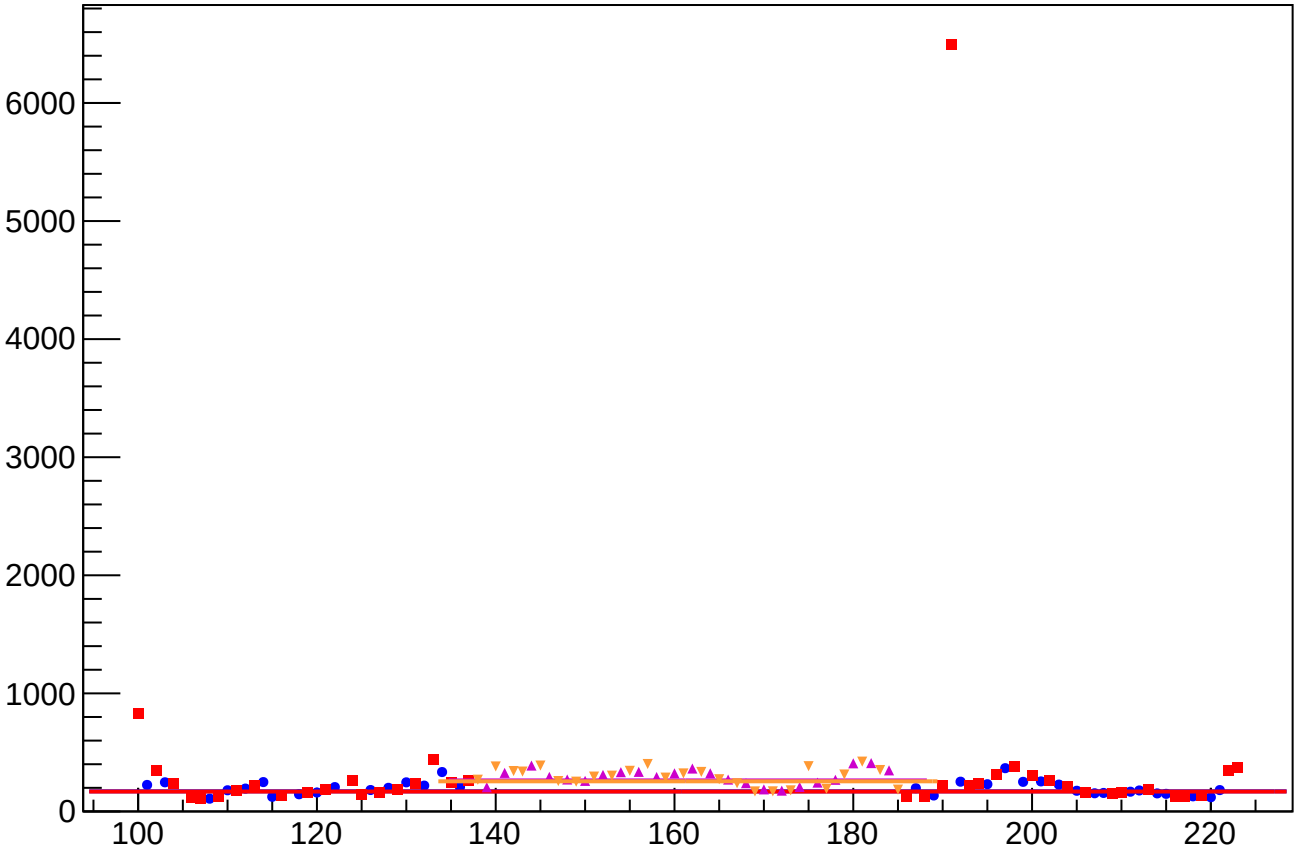
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/58

All: 0.026+/-0.023 χ^2/NDF: 132.2/120

- sign 0.044+/-0.033 χ^2/NDF: 71.4/61

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 170.500+/-0.027 χ^2/NDF: 2790055.1/33

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

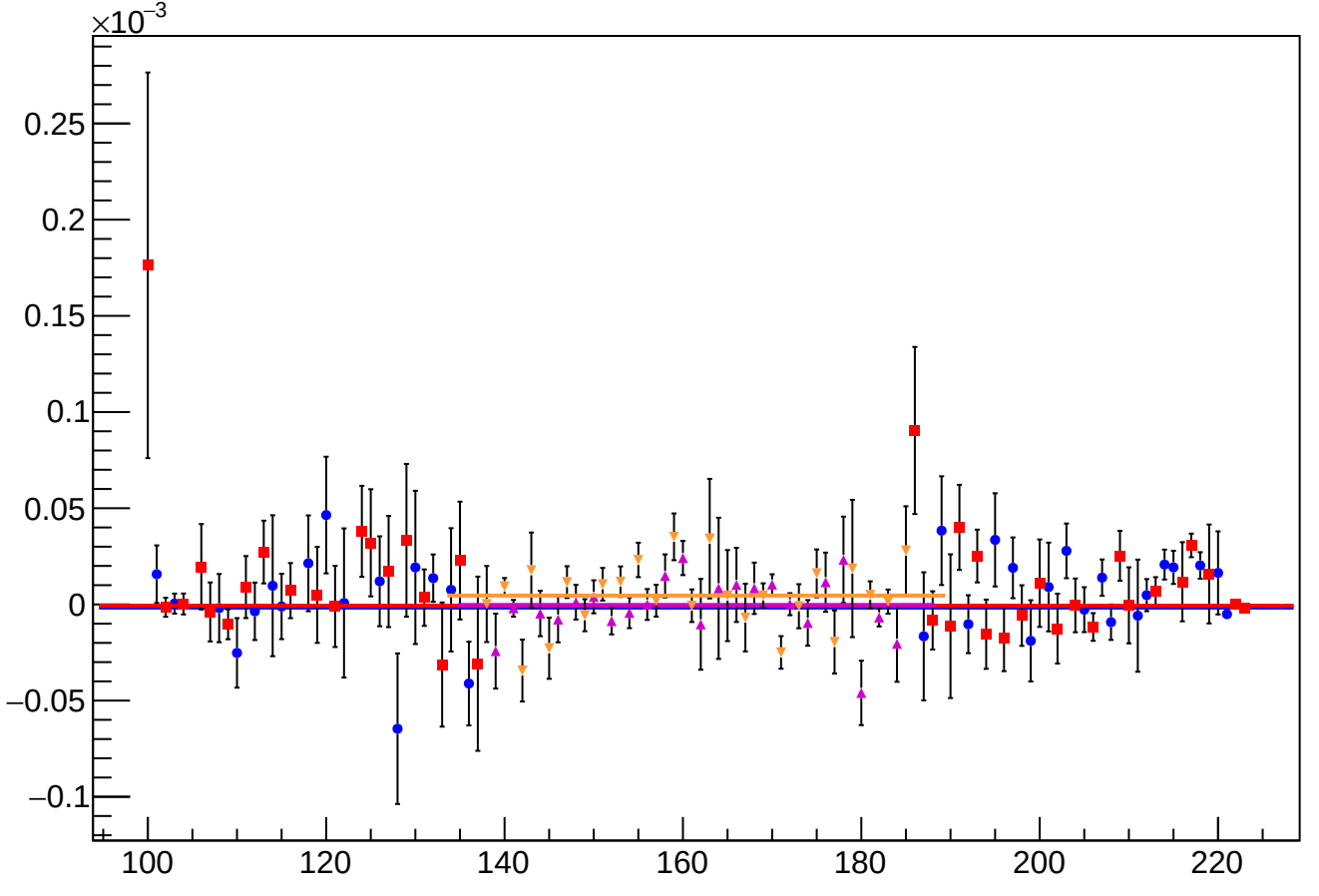
Right Out: 168.690+/-0.027 χ^2/NDF: 4799738.6/38

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 194.319+/-0.023 χ^2/NDF: 8426816.9/58

All: 193.844+/-0.017 χ^2/NDF: 18356382.6/12

- sign 193.357+/-0.023 χ^2/NDF: 9928716.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 61.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

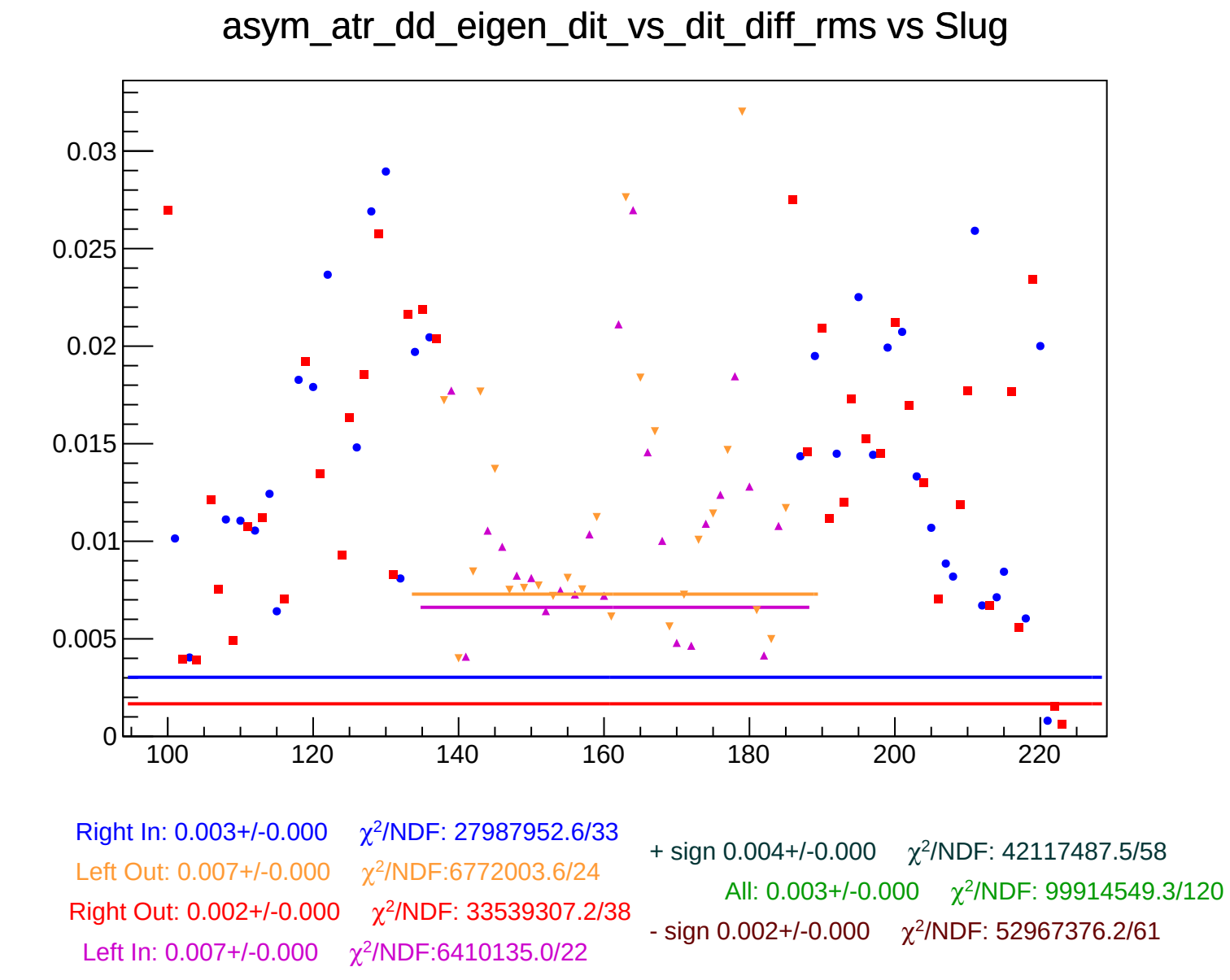
Right Out: -0.000+/-0.000 χ^2/NDF: 66.9/38

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

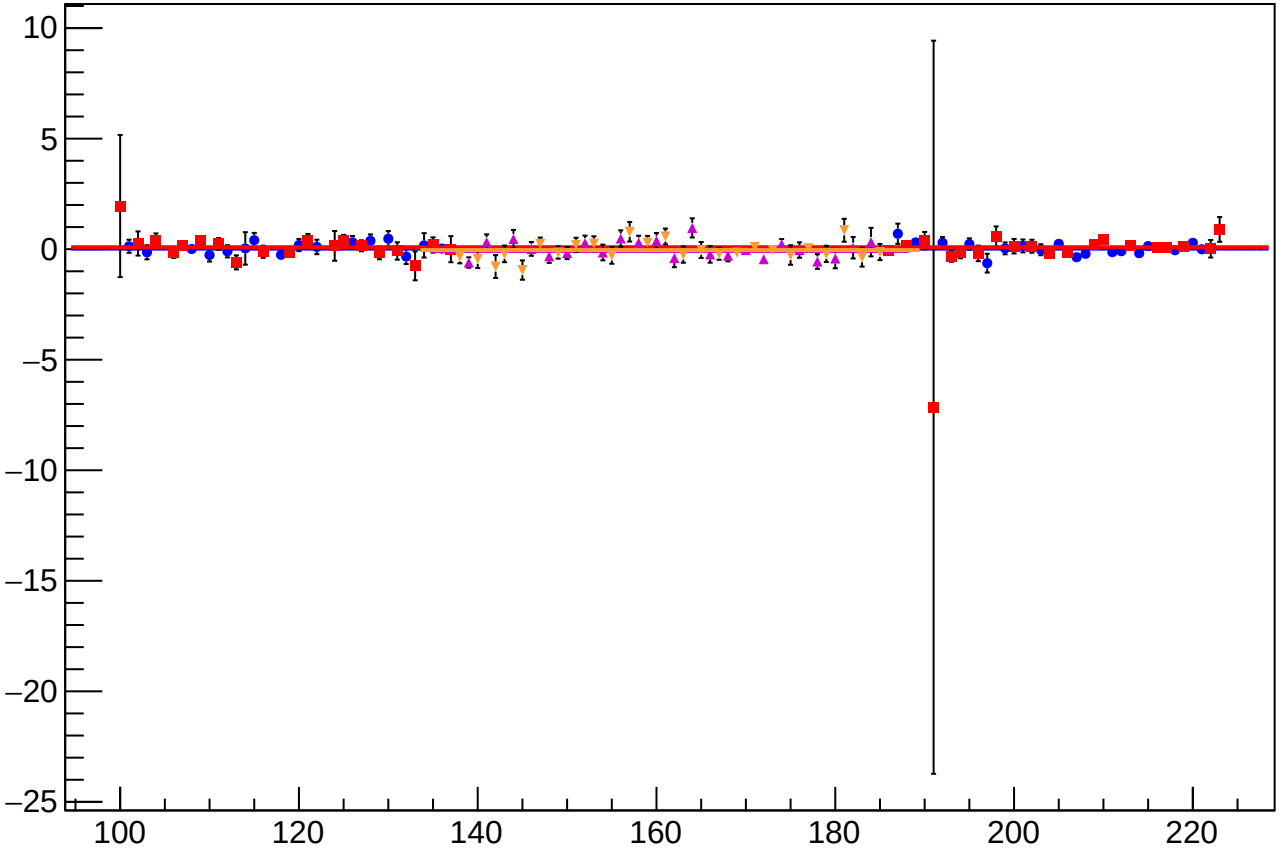
+ sign 0.000+/-0.000 χ^2/NDF: 112.6/58

All: -0.000+/-0.000 χ^2/NDF: 211.1/120

- sign -0.000+/-0.000 χ^2/NDF: 98.1/61


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 27987952.6/33
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.002+/-0.000 χ²/NDF: 33539307.2/38
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.004+/-0.000 χ²/NDF: 42117487.5/58
All: 0.003+/-0.000 χ²/NDF: 99914549.3/120
- sign 0.002+/-0.000 χ²/NDF: 52967376.2/61

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.088+/-0.039 χ^2/NDF: 35.5/38

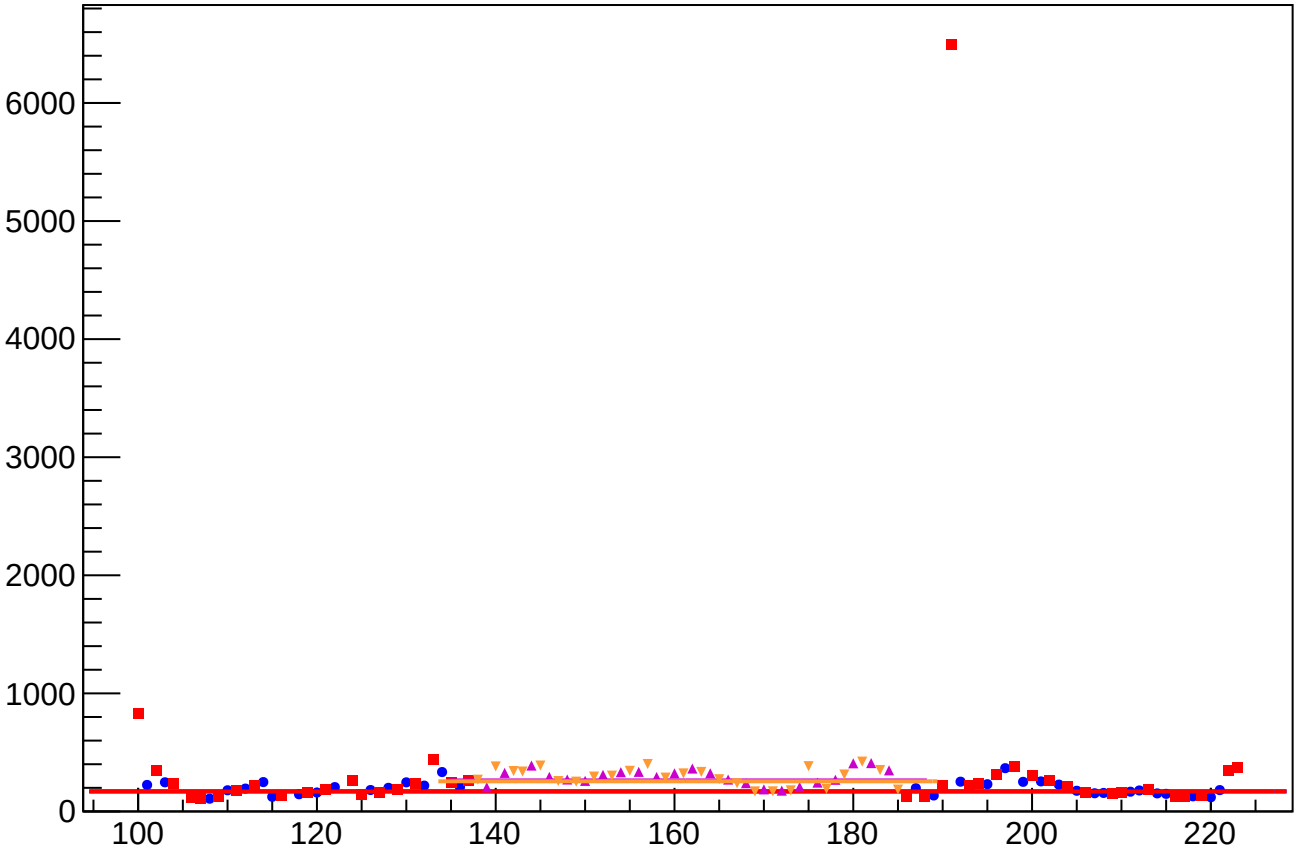
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/58

All: 0.026+/-0.023 χ^2/NDF: 132.2/120

- sign 0.044+/-0.033 χ^2/NDF: 71.4/61

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 170.500+/-0.027 χ^2/NDF: 2790126.7/33

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

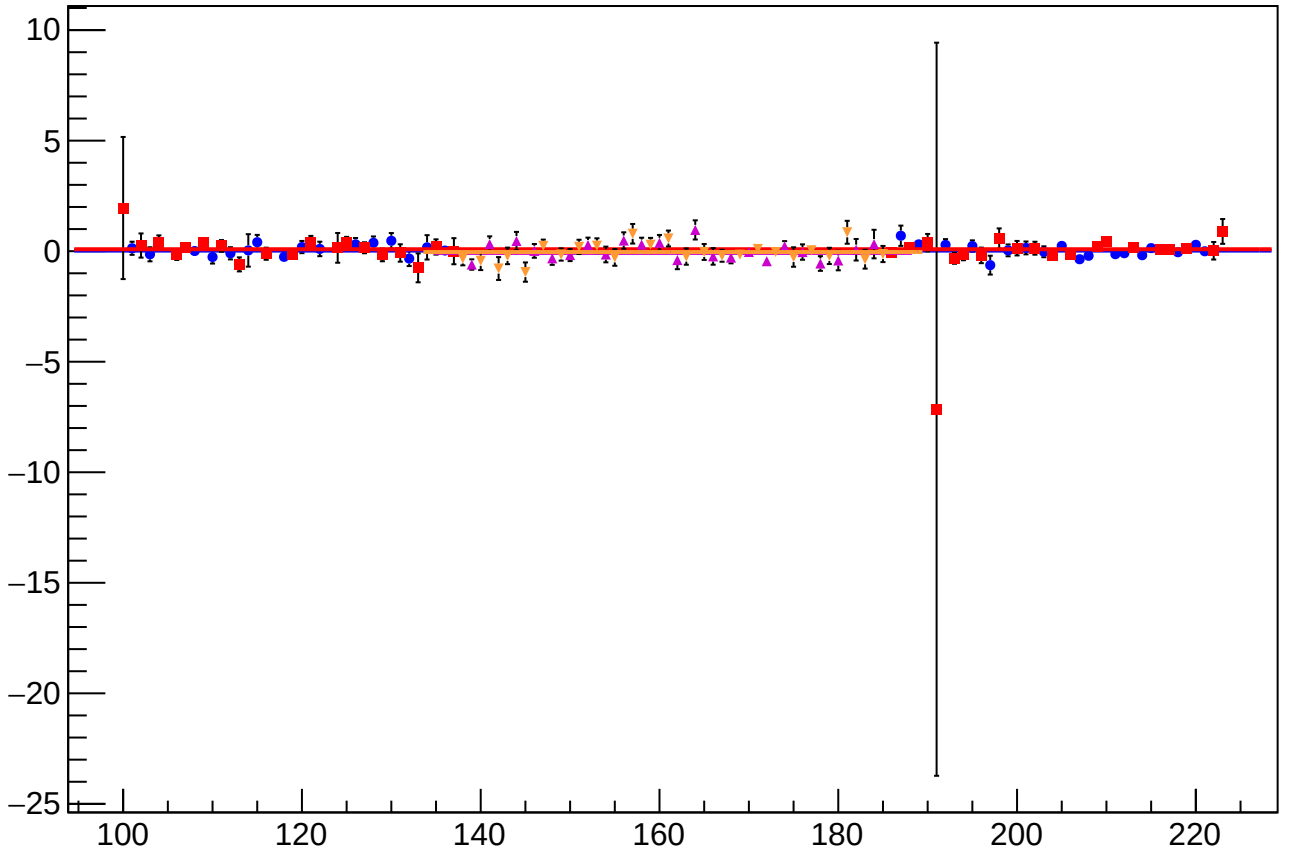
Right Out: 168.691+/-0.027 χ^2/NDF: 4799668.1/38

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 194.319+/-0.023 χ^2/NDF: 8427119.4/58

All: 193.845+/-0.017 χ^2/NDF: 18356673.7/12

- sign 193.358+/-0.023 χ^2/NDF: 9928707.8/61



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.088+/-0.039 χ^2/NDF: 35.5/38

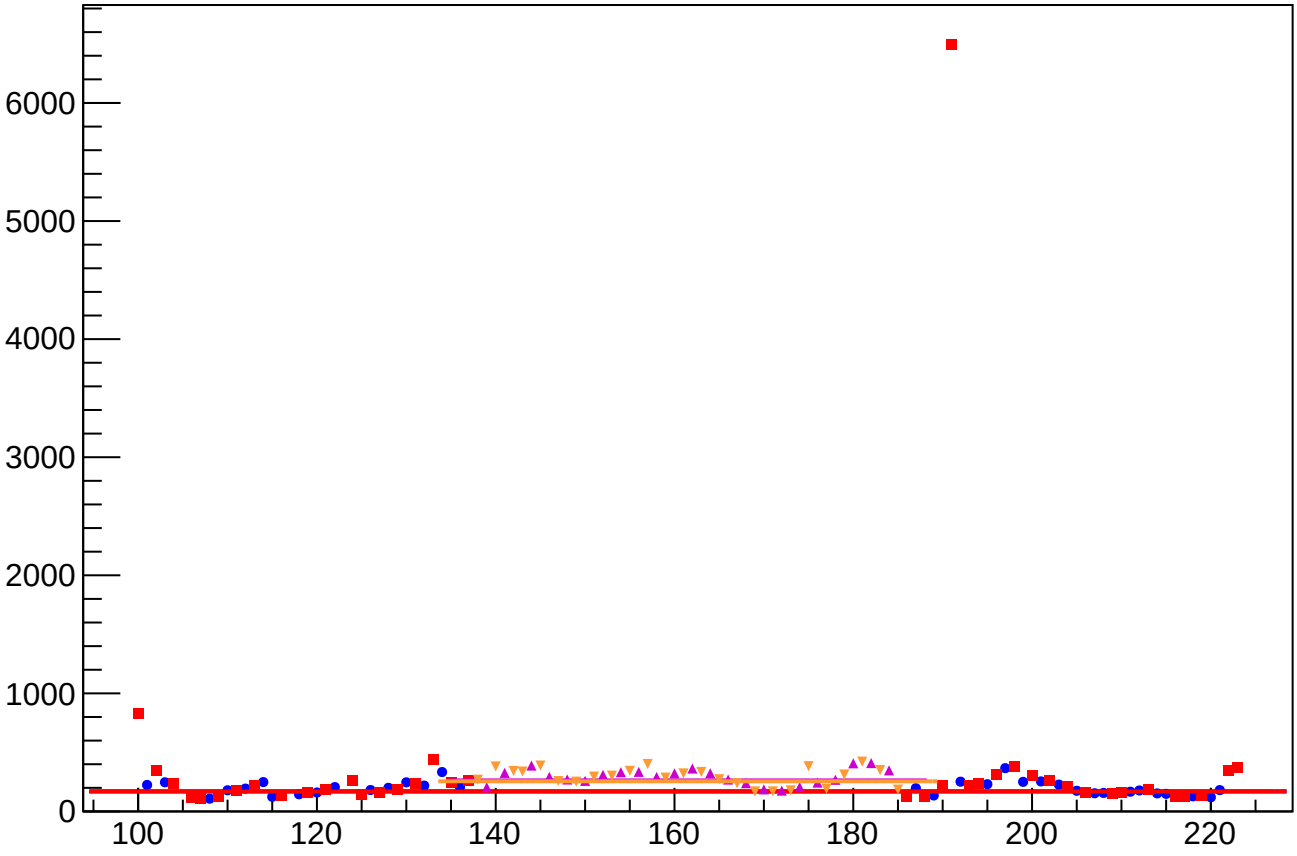
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/58

All: 0.026+/-0.023 χ^2/NDF: 132.2/120

- sign 0.044+/-0.033 χ^2/NDF: 71.4/61

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 170.500+/-0.027 χ^2/NDF: 2790126.7/33

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

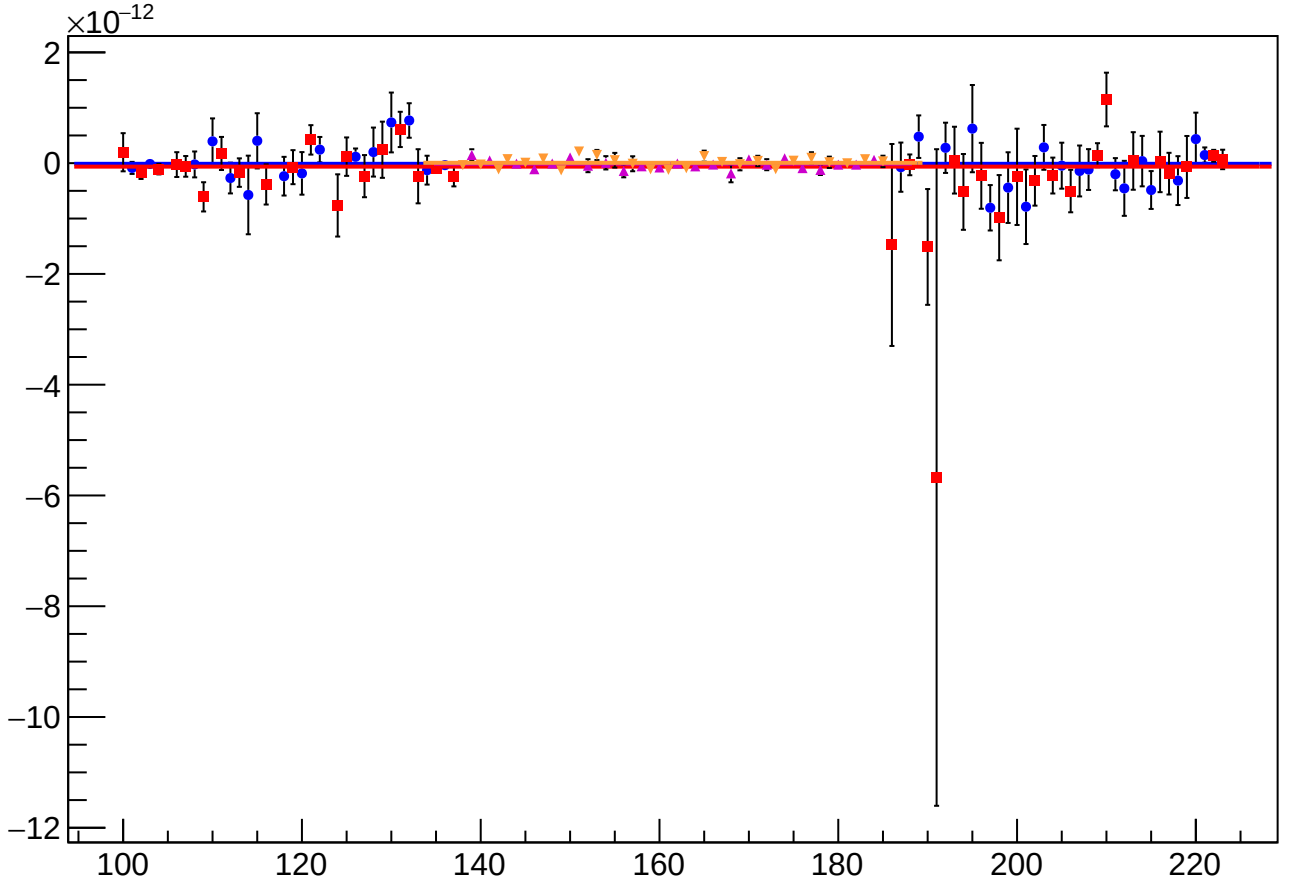
Right Out: 168.691+/-0.027 χ^2/NDF: 4799668.1/38

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 194.319+/-0.023 χ^2/NDF: 8427119.4/58

All: 193.845+/-0.017 χ^2/NDF: 18356673.7/12

- sign 193.358+/-0.023 χ^2/NDF: 9928707.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

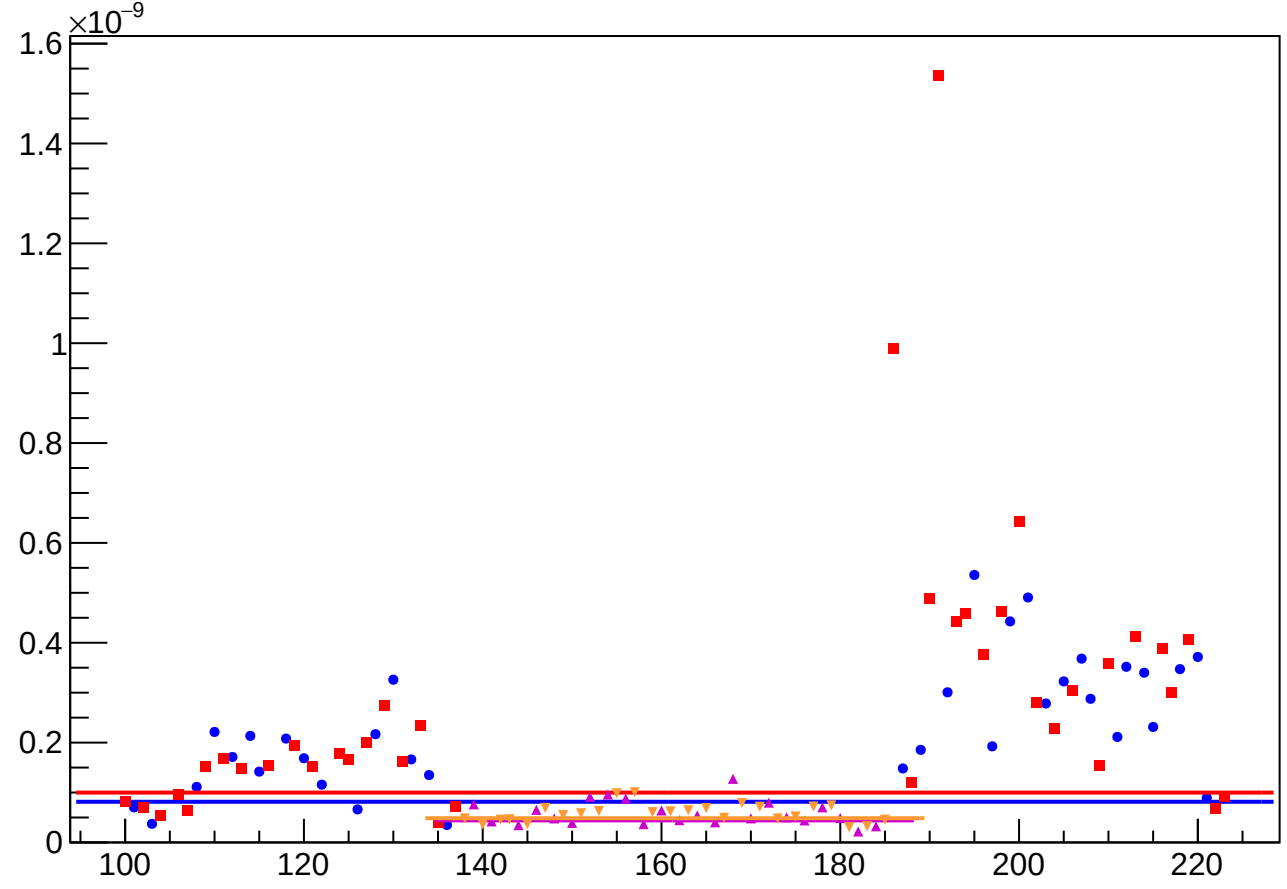
Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/38

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.5/58

All: -0.000+/-0.000 χ^2/NDF: 122.6/120

- sign -0.000+/-0.000 χ^2/NDF: 61.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 13113135.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11539377.6/38

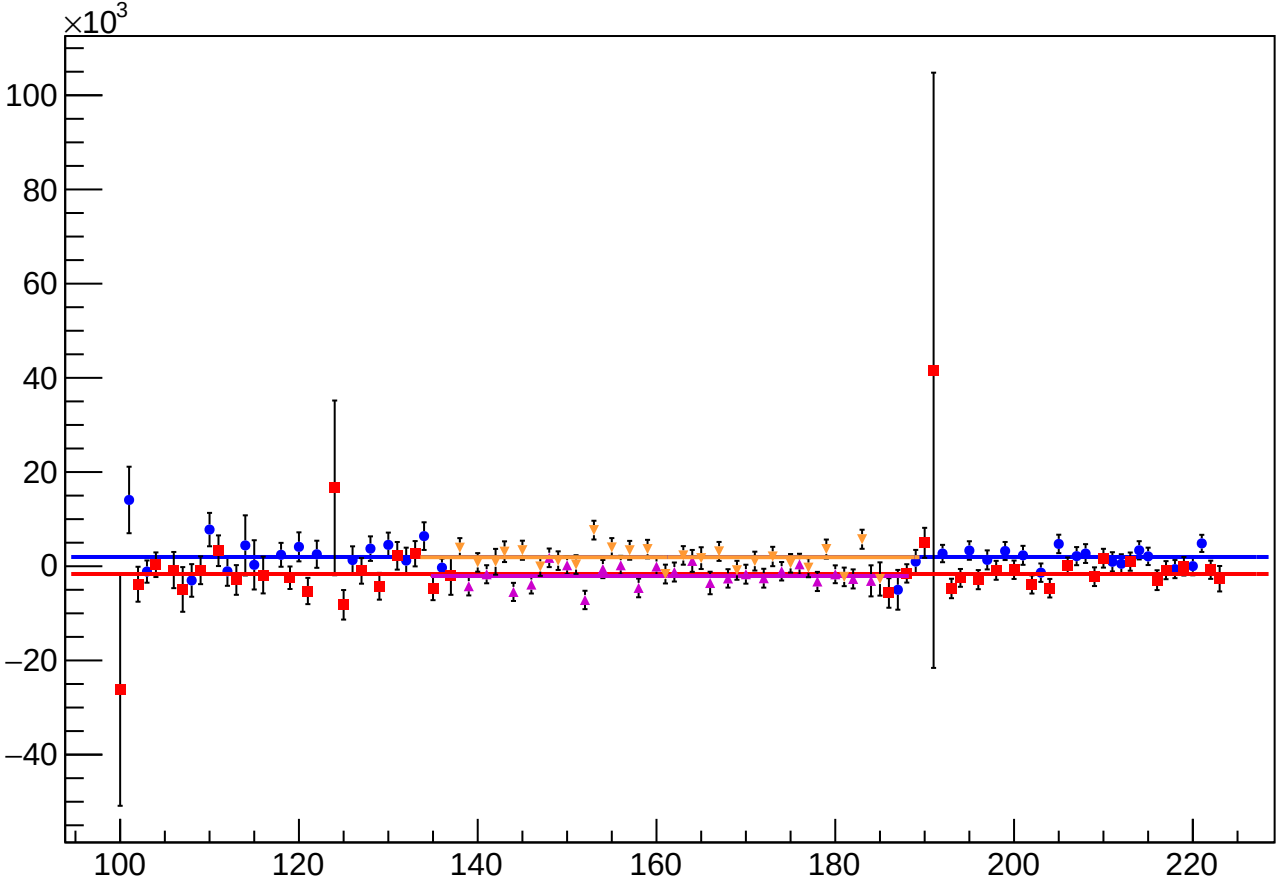
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17334452.0/58

All: 0.000+/-0.000 χ^2/NDF: 36779434.7/120

- sign 0.000+/-0.000 χ^2/NDF: 19411316.2/61

reg_asym_at1_avg_mean vs Slug



Right In: 1964.912+/-398.318 χ^2/NDF: 32.2/33

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1644.563+/-397.141 χ^2/NDF: 39.1/38

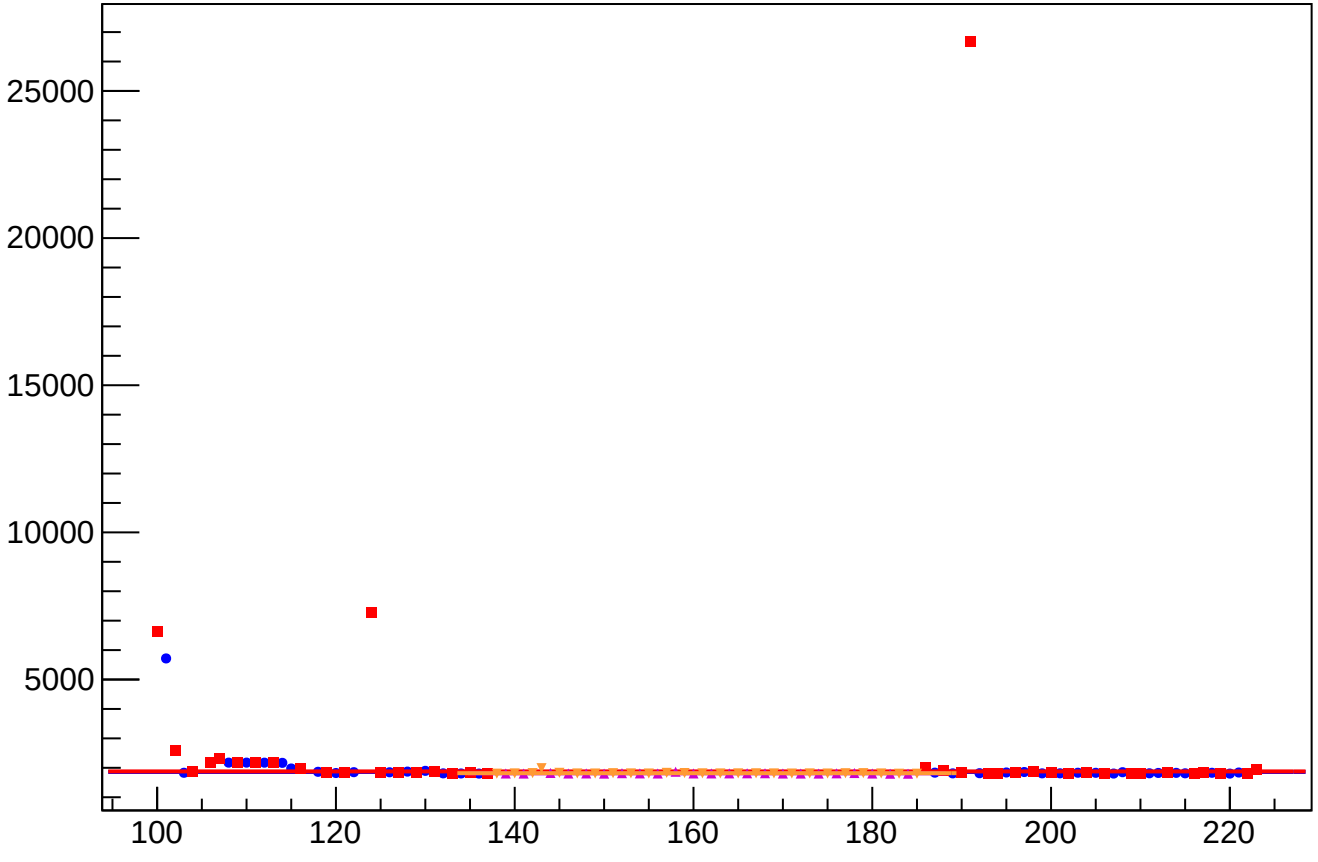
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1943.564+/-286.675 χ^2/NDF: 64.7/58

All: 68.120+/-203.735 χ^2/NDF: 217.4/120

- sign -1845.749+/-289.597 χ^2/NDF: 66.2/61

reg_asym_at1_avg_rms vs Slug



Right In: 1858.081+/-0.282 χ^2/NDF: 672832.5/33

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

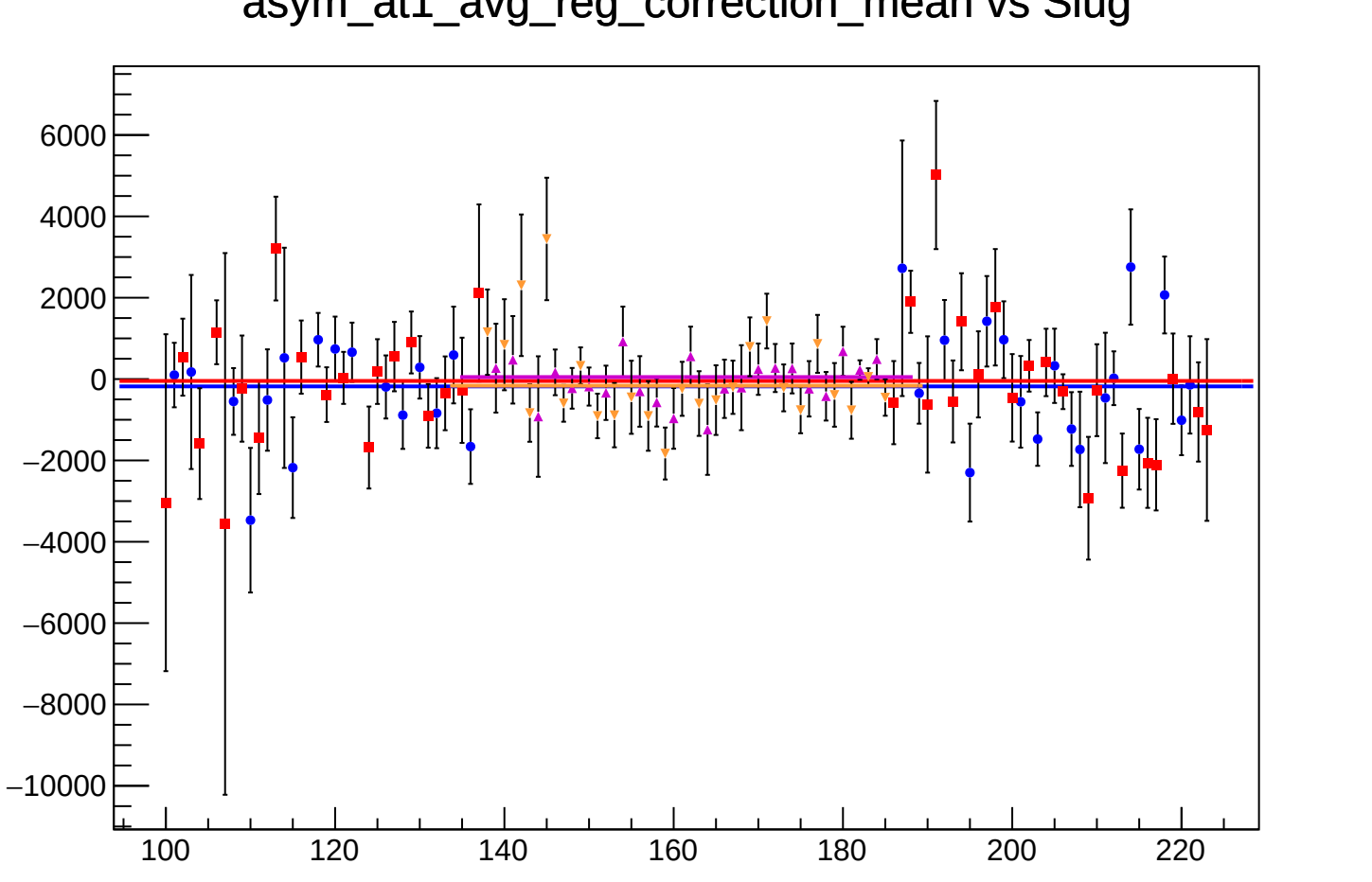
Right Out: 1877.452+/-0.281 χ^2/NDF: 751385.5/38

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.532+/-0.203 χ^2/NDF: 695782.4/58

All: 1842.752+/-0.144 χ^2/NDF: 1475071.9/12

- sign 1847.058+/-0.205 χ^2/NDF: 778414.0/61



Right In: -180.262+/-162.743 χ^2/NDF: 46.1/33

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -45.902+/-153.095 χ^2/NDF: 56.1/38

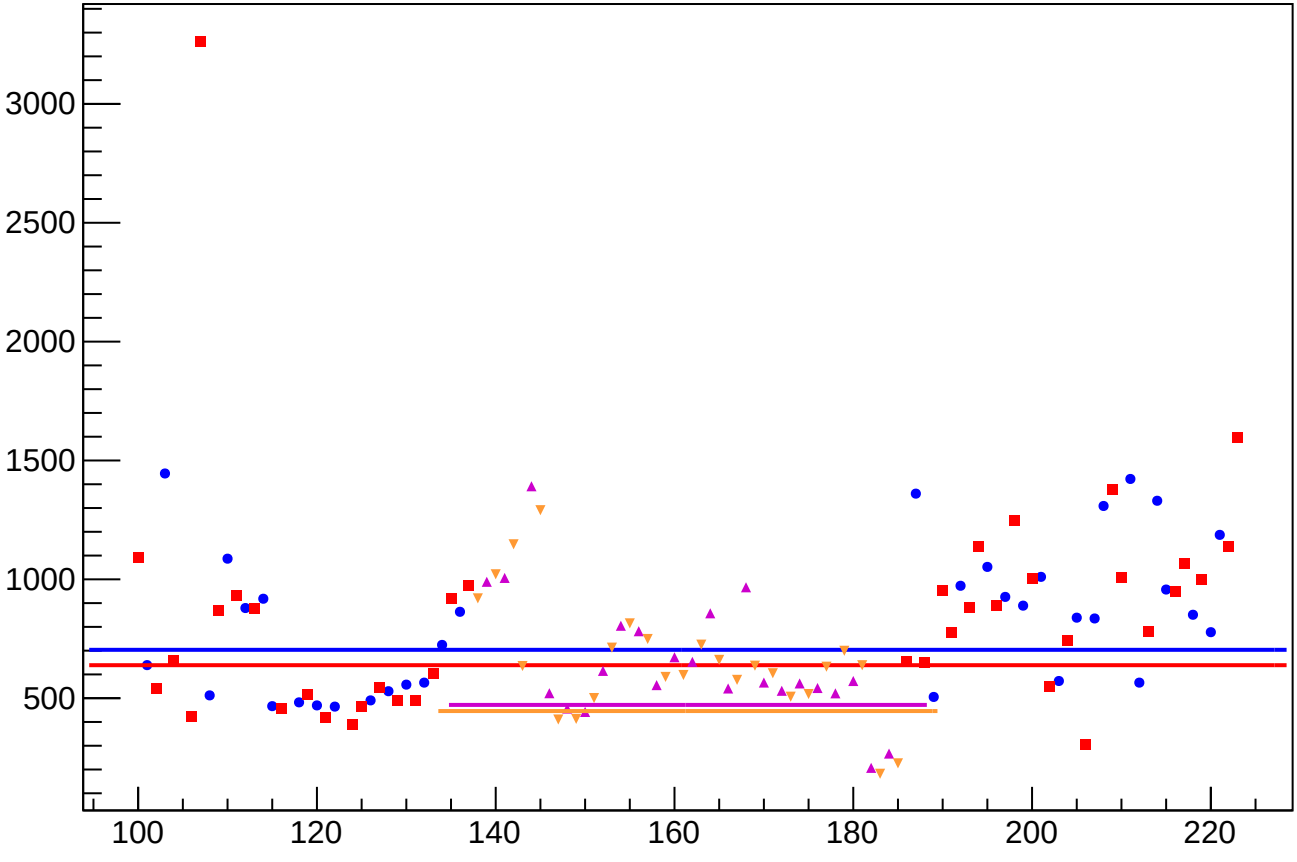
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -168.766+/-94.079 χ^2/NDF: 82.9/58

All: -79.934+/-67.103 χ^2/NDF: 152.4/120

- sign 12.062+/-95.740 χ^2/NDF: 67.7/61

asym_at1_avg_reg_correction_rms vs Slug



Right In: 703.510+/-0.115 χ^2/NDF: 4354819.6/33

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 638.844+/-0.108 χ^2/NDF: 6274554.4/38

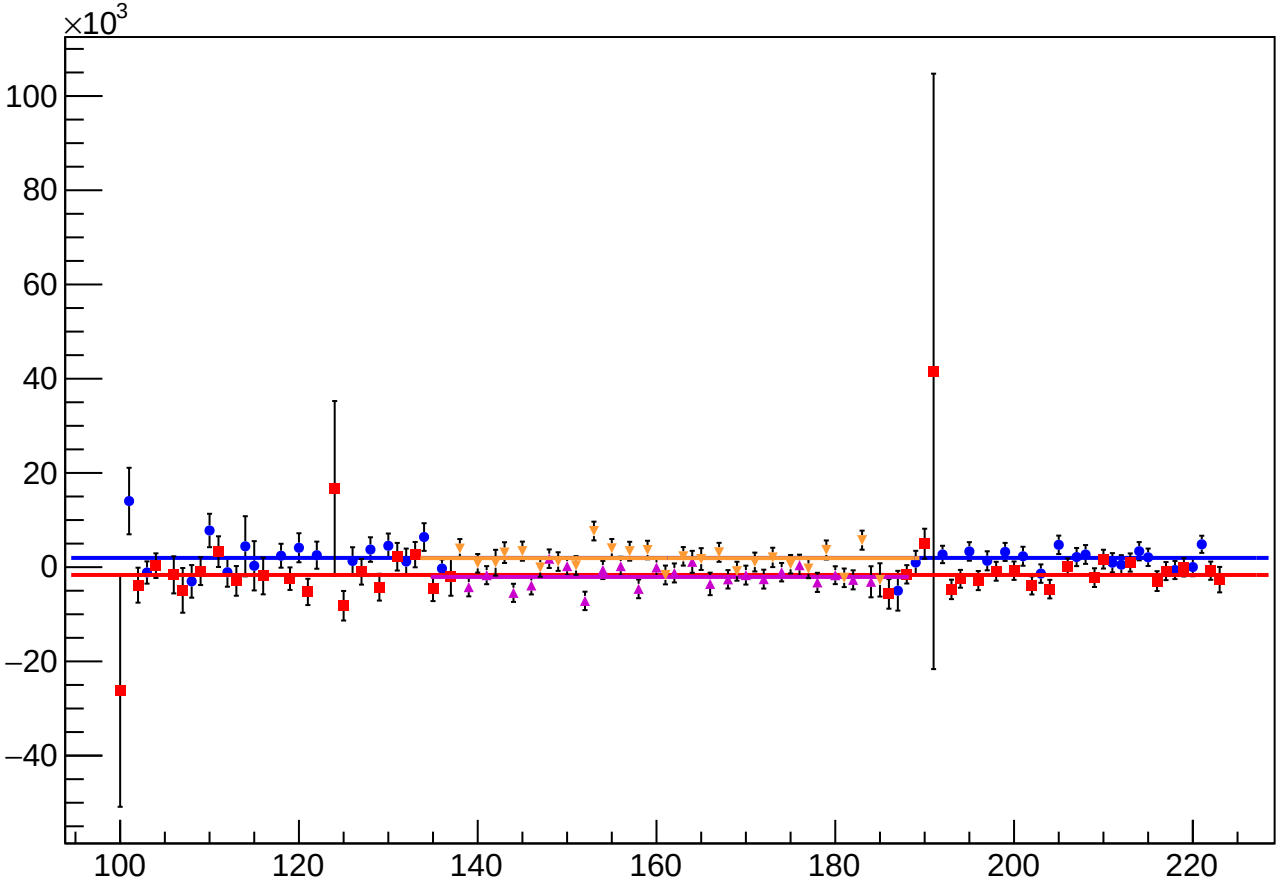
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 531.983+/-0.067 χ^2/NDF: 15674097.1/58

All: 534.494+/-0.047 χ^2/NDF: 29816280.7/12

- sign 537.095+/-0.068 χ^2/NDF: 14139282.9/61

cor_asym_at1_avg_mean vs Slug



Right In: 1964.775+/-398.318 χ^2/NDF: 32.2/33

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1653.439+/-397.243 χ^2/NDF: 39.1/38

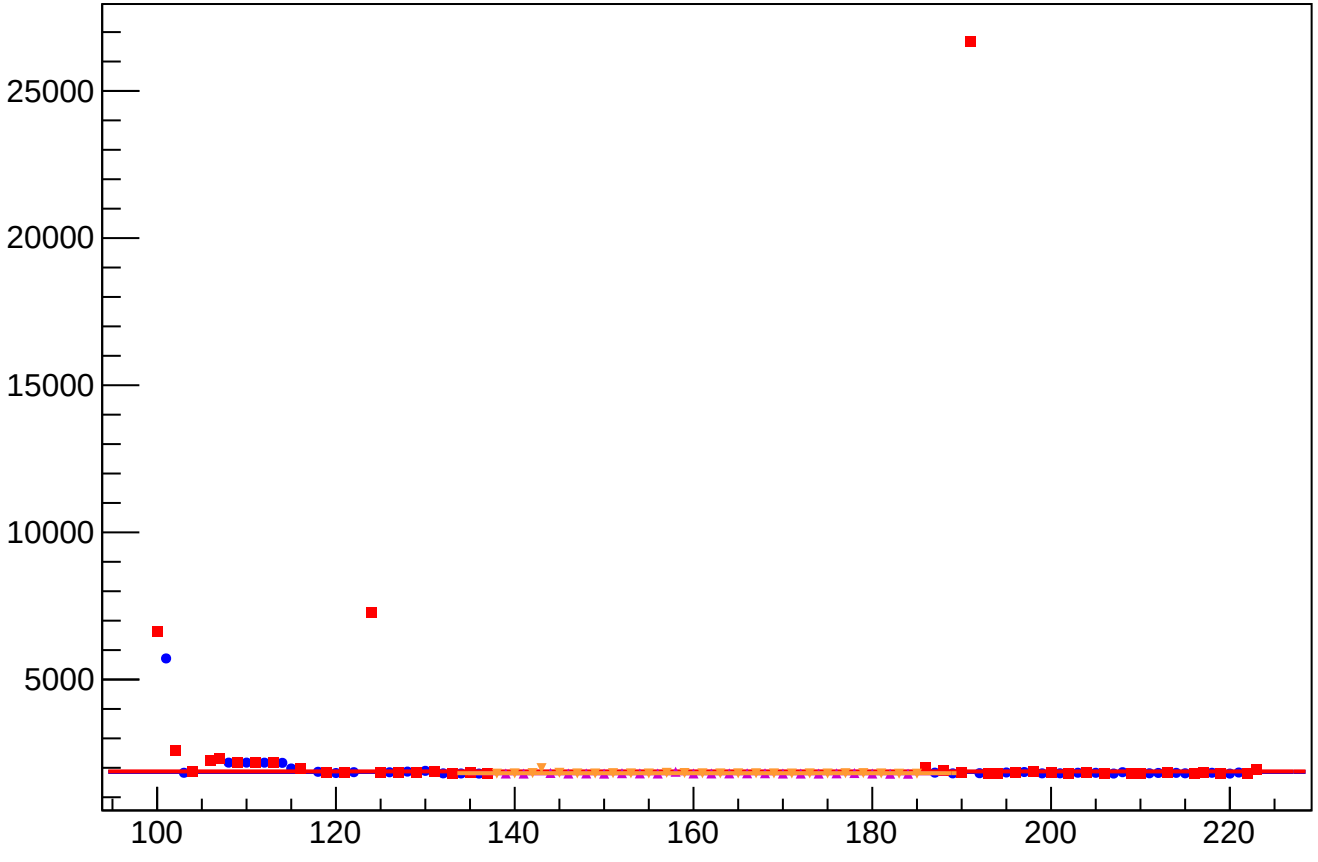
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1943.476+/-286.675 χ^2/NDF: 64.7/58

All: 65.947+/-203.749 χ^2/NDF: 217.5/120

- sign -1850.569+/-289.636 χ^2/NDF: 66.1/61

cor_asym_at1_avg_rms vs Slug



Right In: 1858.081+/-0.282 χ^2/NDF: 672832.5/33

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1877.808+/-0.281 χ^2/NDF: 755203.6/38

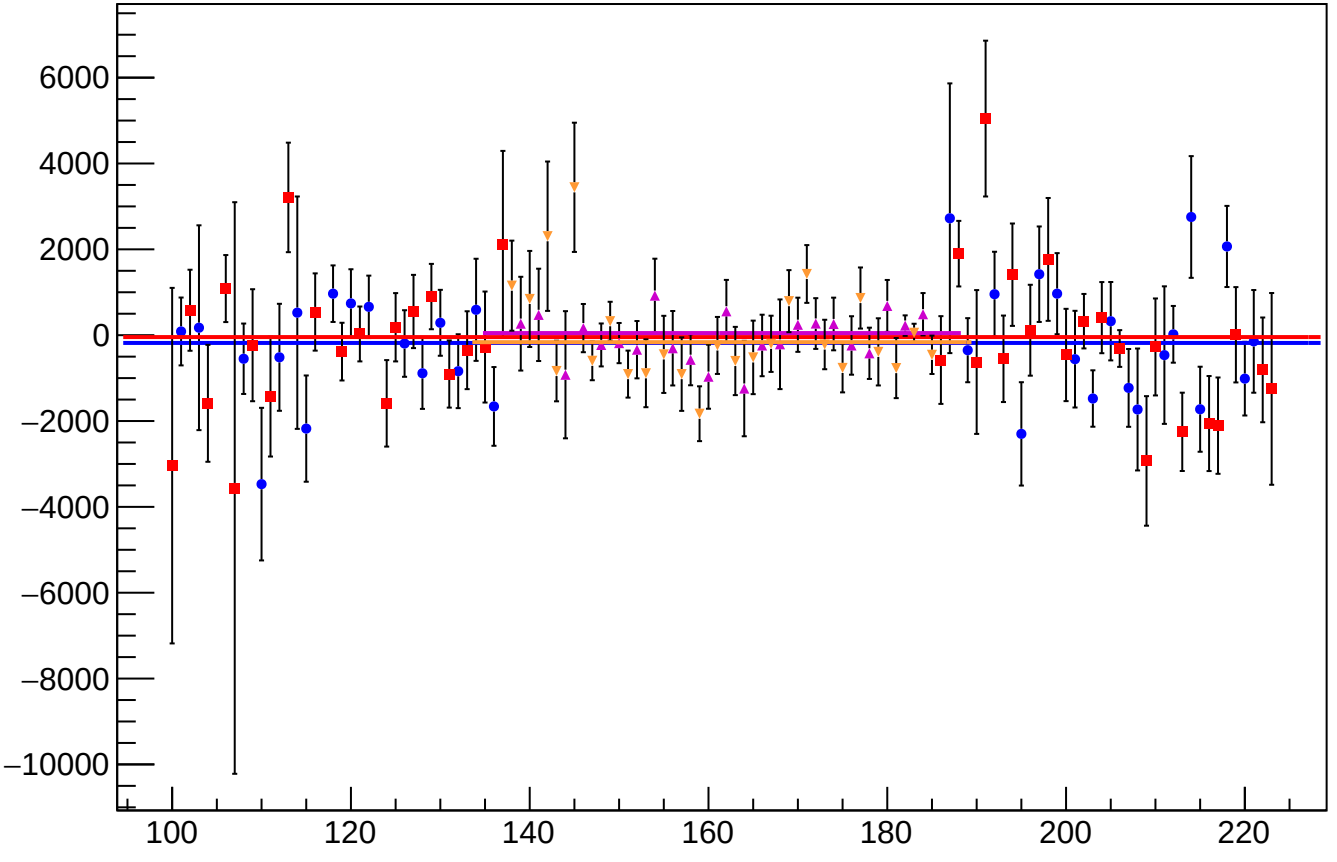
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.532+/-0.203 χ^2/NDF: 695782.3/58

All: 1842.841+/-0.144 χ^2/NDF: 1479196.5/12

- sign 1847.239+/-0.205 χ^2/NDF: 782501.2/61

asym_at1_avg_cor_correction_mean vs Slug



Right In: -180.701+/-162.726 χ^2/NDF: 46.1/33

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -44.173+/-153.044 χ^2/NDF: 55.8/38

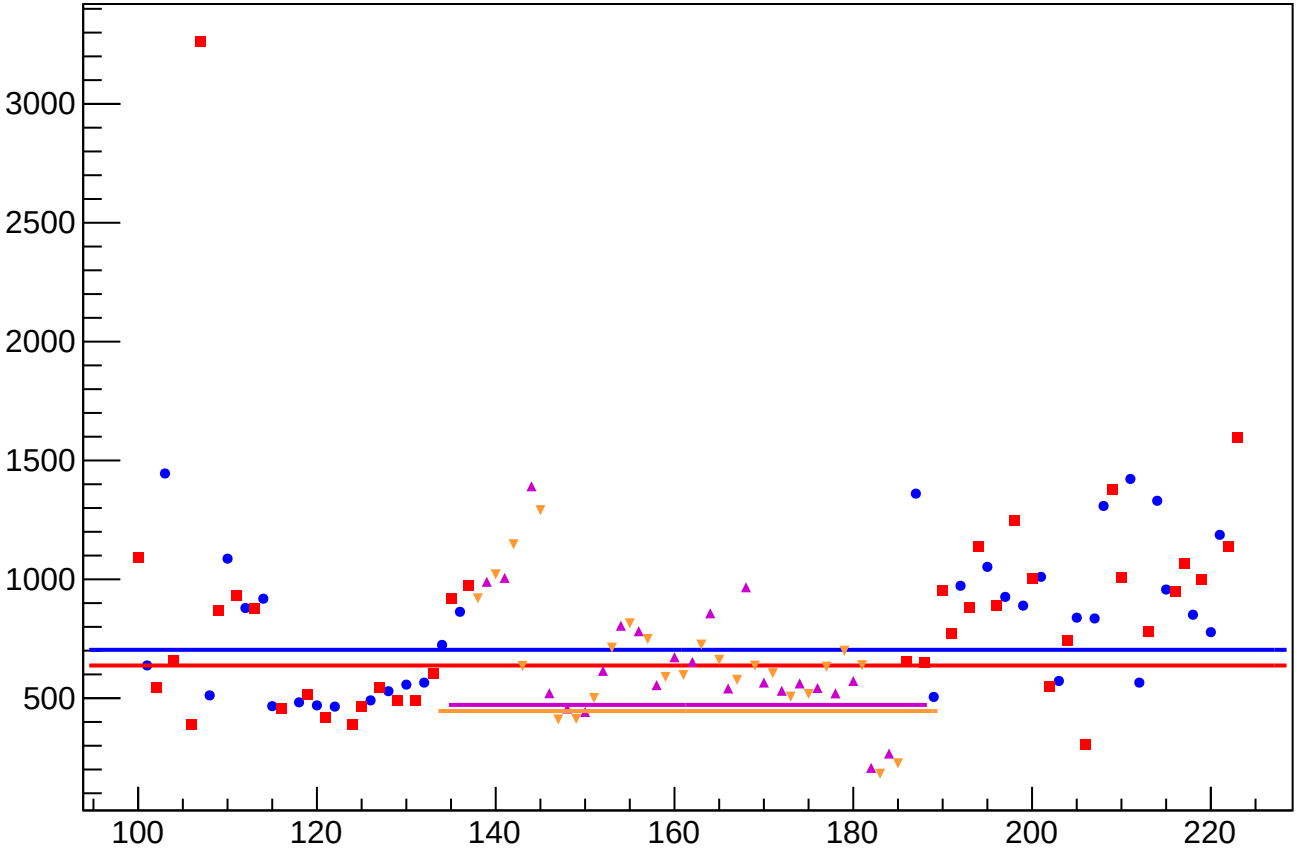
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -168.857+/-94.073 χ^2/NDF: 82.9/58

All: -79.645+/-67.097 χ^2/NDF: 152.1/120

- sign 12.735+/-95.729 χ^2/NDF: 67.4/61

asym_at1_avg_cor_correction_rms vs Slug



Right In: 703.439+/-0.115 χ^2/NDF: 4355505.3/33

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 637.529+/-0.108 χ^2/NDF: 6326375.6/38

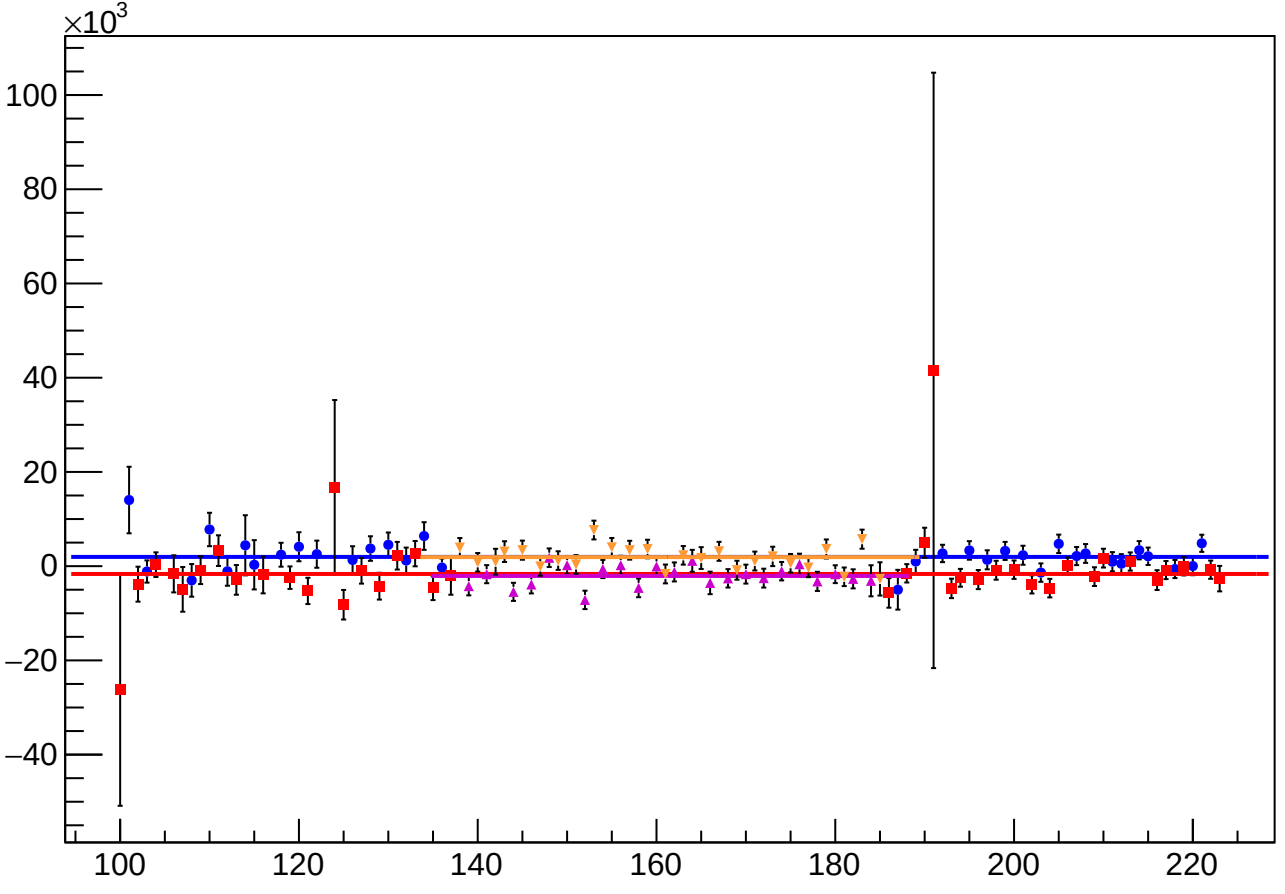
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 531.950+/-0.067 χ^2/NDF: 15675562.8/58

All: 534.242+/-0.047 χ^2/NDF: 29846467.2/12

- sign 536.615+/-0.068 χ^2/NDF: 14168488.1/61

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1964.775+/-398.318 χ^2/NDF: 32.2/33

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1653.439+/-397.243 χ^2/NDF: 39.1/38

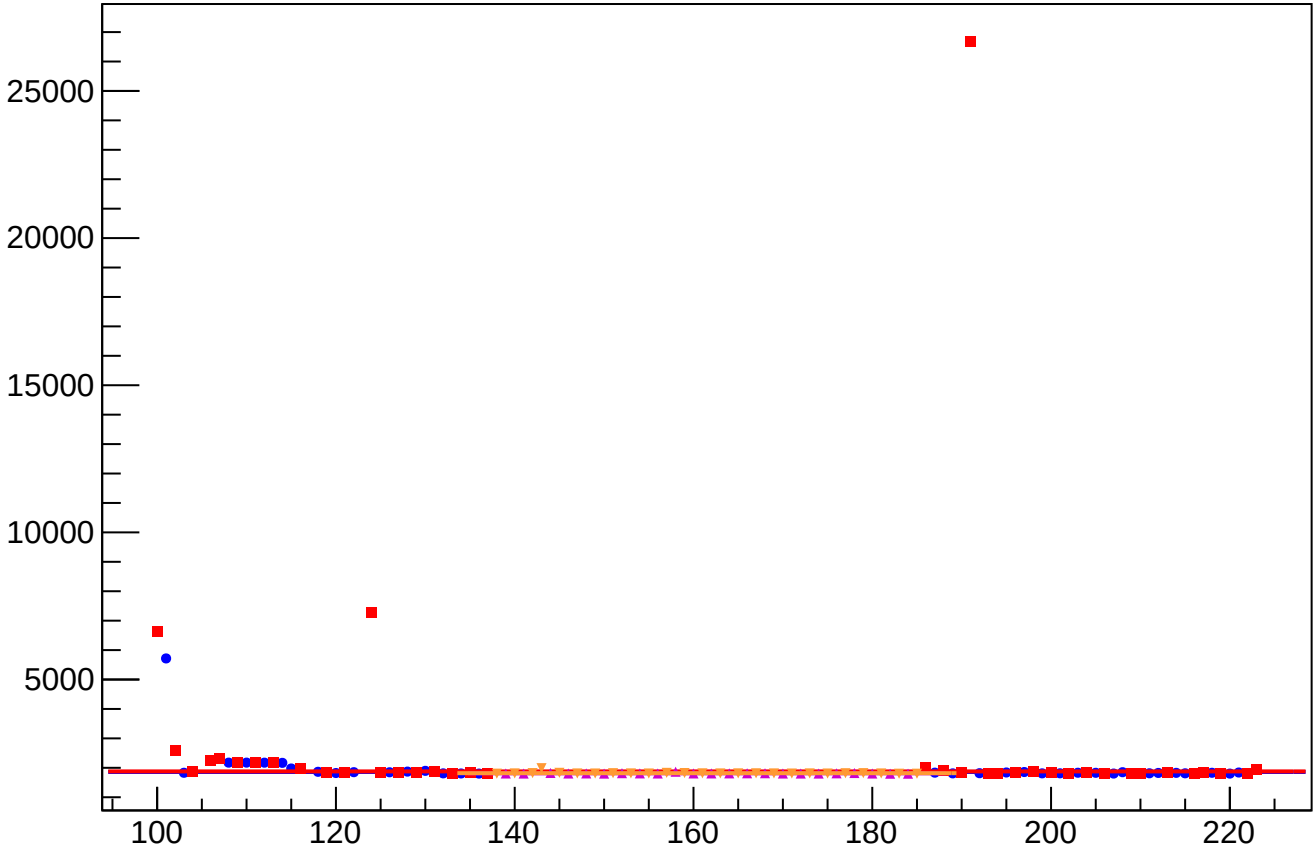
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1943.476+/-286.675 χ^2/NDF: 64.7/58

All: 65.947+/-203.749 χ^2/NDF: 217.5/120

- sign -1850.569+/-289.636 χ^2/NDF: 66.1/61

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1858.081+/-0.282 χ^2/NDF: 672832.5/33

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

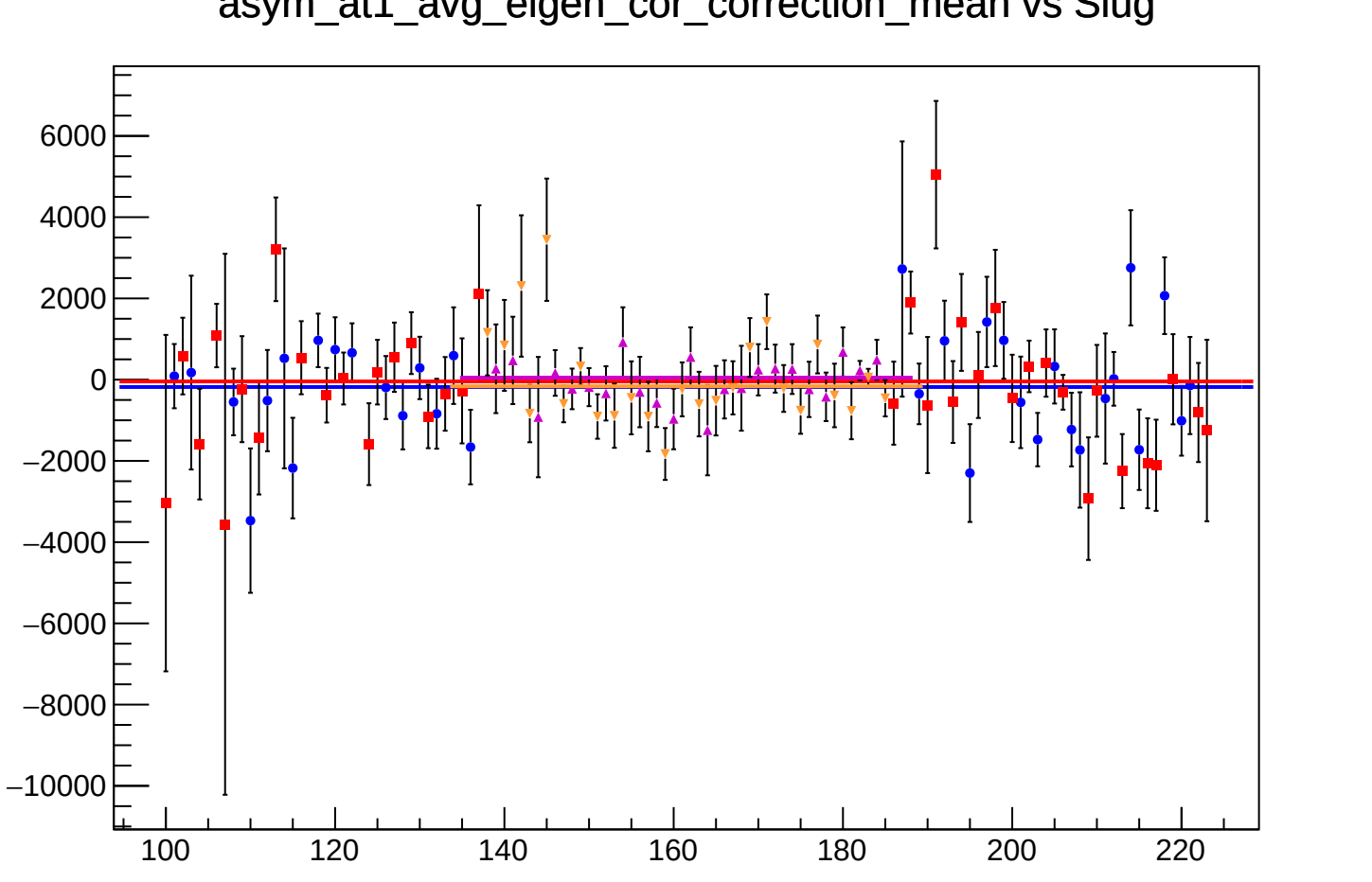
Right Out: 1877.808+/-0.281 χ^2/NDF: 755203.6/38

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.532+/-0.203 χ^2/NDF: 695782.3/58

All: 1842.841+/-0.144 χ^2/NDF: 1479196.5/12

- sign 1847.239+/-0.205 χ^2/NDF: 782501.2/61



Right In: -180.701+/-162.726 χ^2/NDF: 46.1/33

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -44.173+/-153.044 χ^2/NDF: 55.8/38

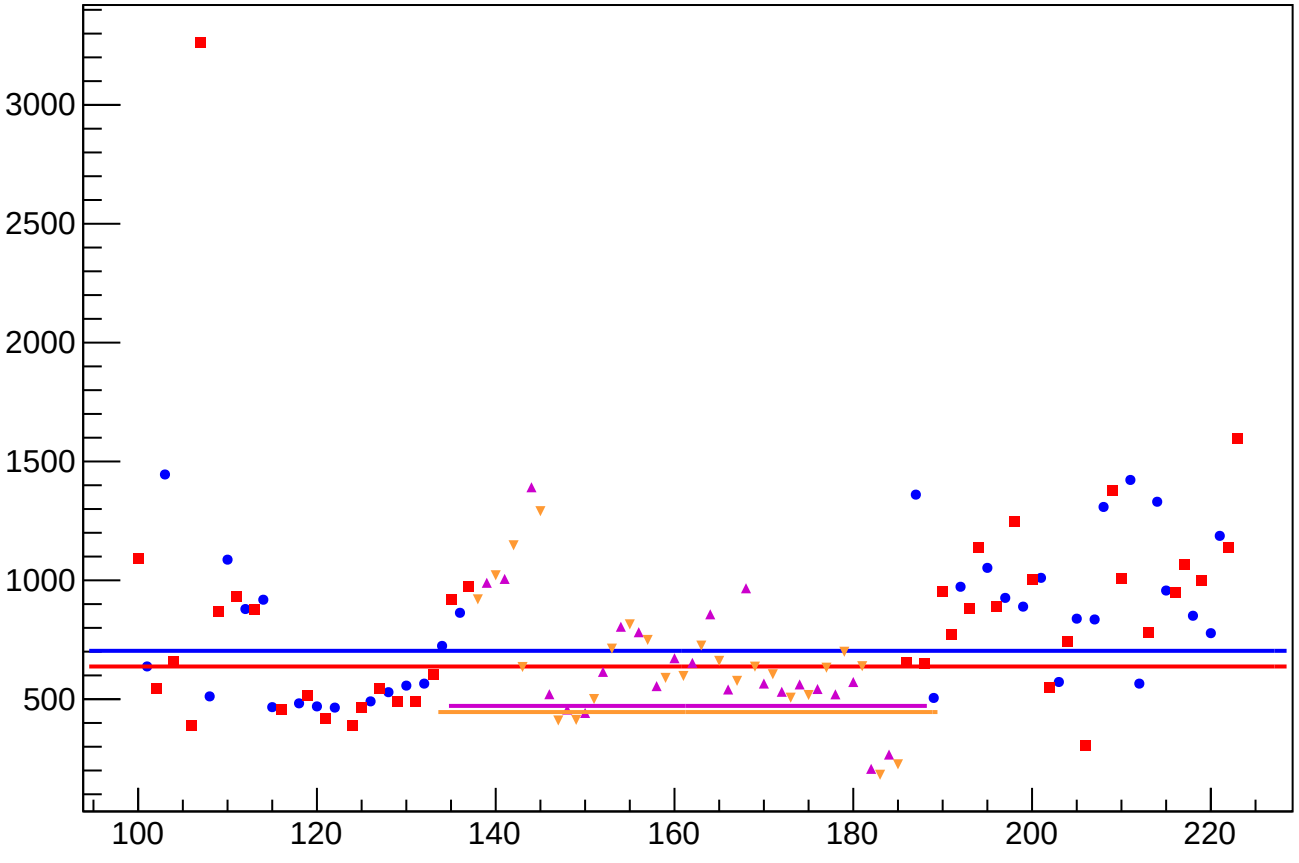
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -168.857+/-94.073 χ^2/NDF: 82.9/58

All: -79.645+/-67.097 χ^2/NDF: 152.1/120

- sign 12.735+/-95.729 χ^2/NDF: 67.4/61

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 703.439+/-0.115 χ^2/NDF: 4355505.3/33

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 637.529+/-0.108 χ^2/NDF: 6326375.6/38

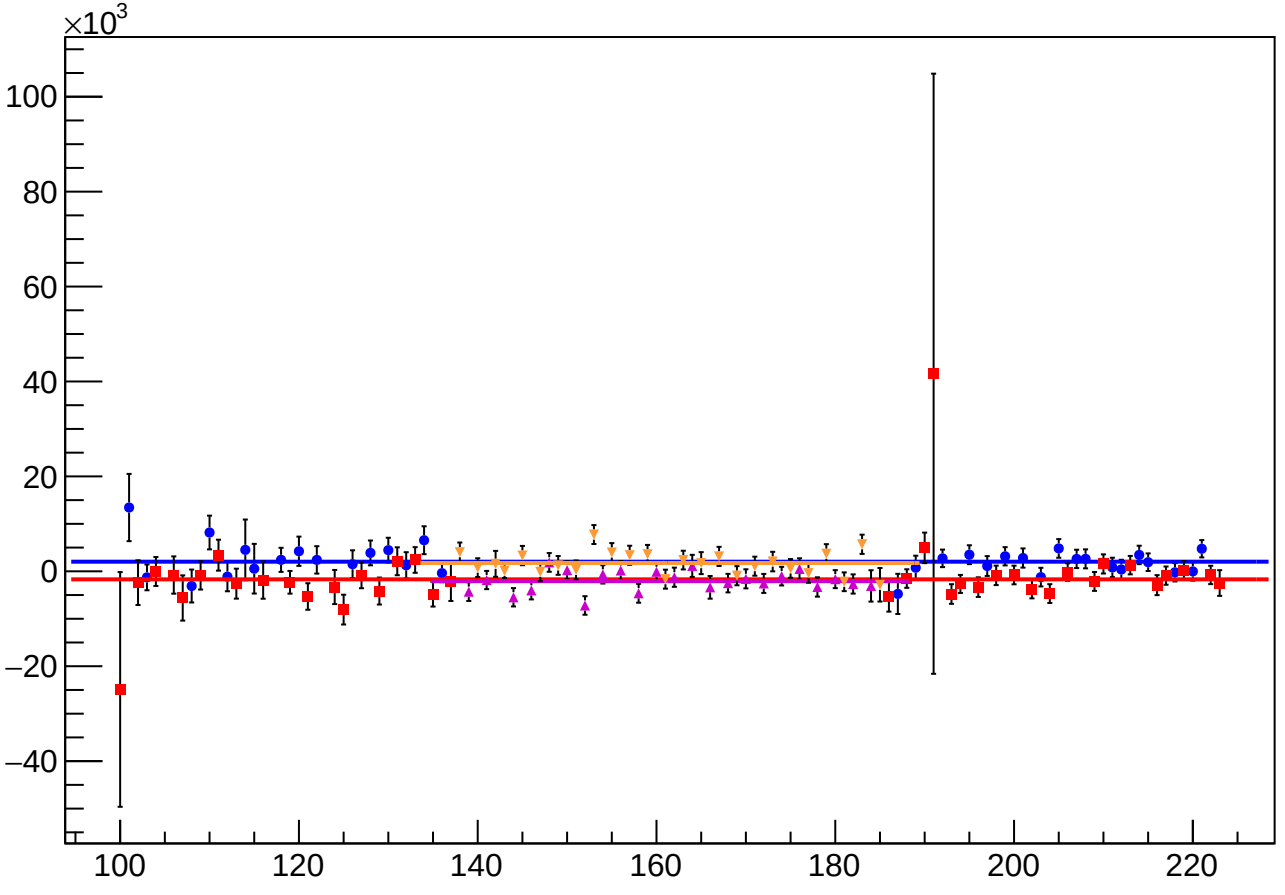
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 531.950+/-0.067 χ^2/NDF: 15675562.8/58

All: 534.242+/-0.047 χ^2/NDF: 29846467.2/12

- sign 536.615+/-0.068 χ^2/NDF: 14168488.1/61

dit_asym_at1_avg_mean vs Slug



Right In: 2026.848+/-401.447 χ^2/NDF: 31.9/33

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

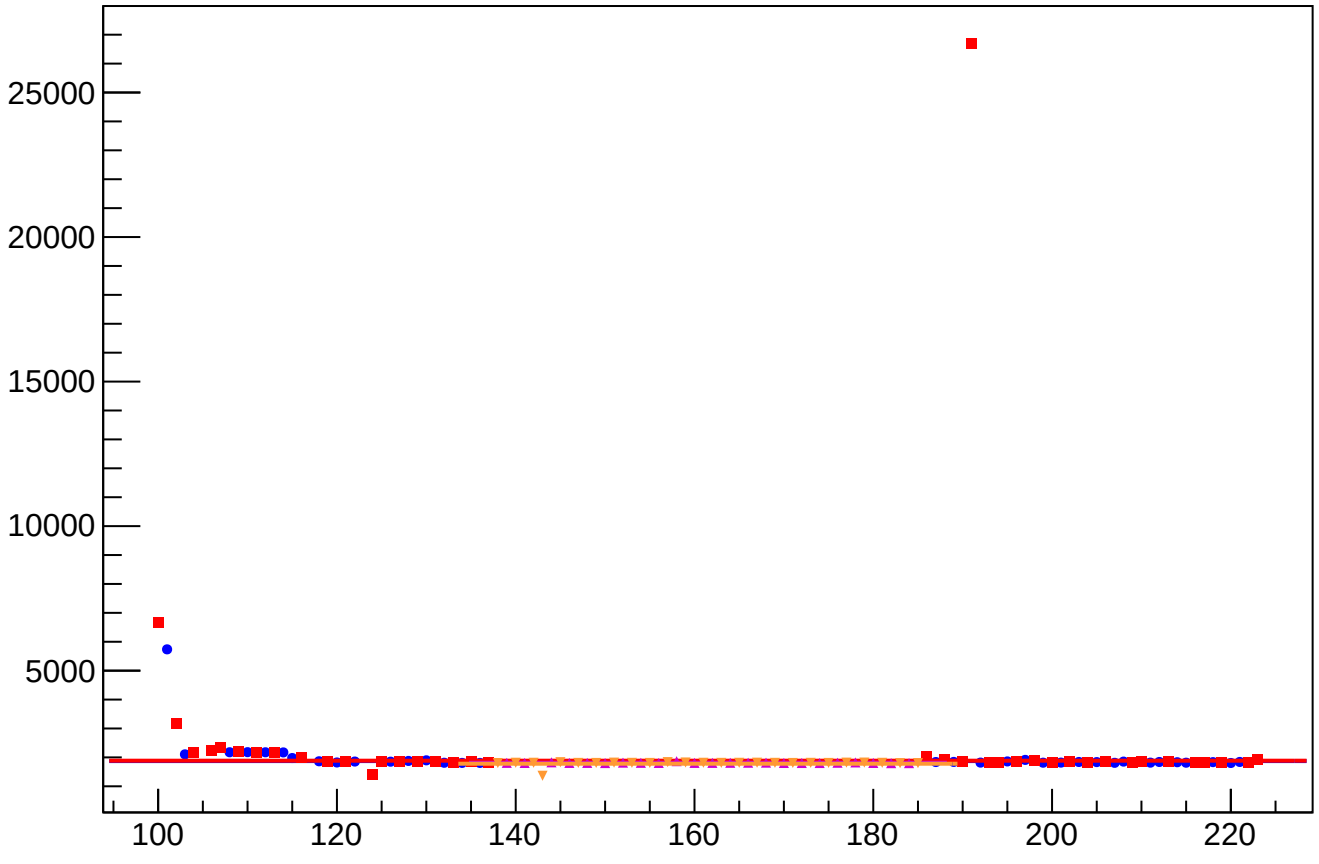
Right Out: -1693.463+/-399.100 χ^2/NDF: 37.3/38

Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1892.501+/-285.254 χ^2/NDF: 65.9/58

All: 44.469+/-203.533 χ^2/NDF: 216.2/120

- sign -1872.124+/-290.497 χ^2/NDF: 64.8/61



Right In: 1872.185+/-0.284 χ^2/NDF: 687210.9/33

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1885.499+/-0.282 χ^2/NDF: 709623.1/38

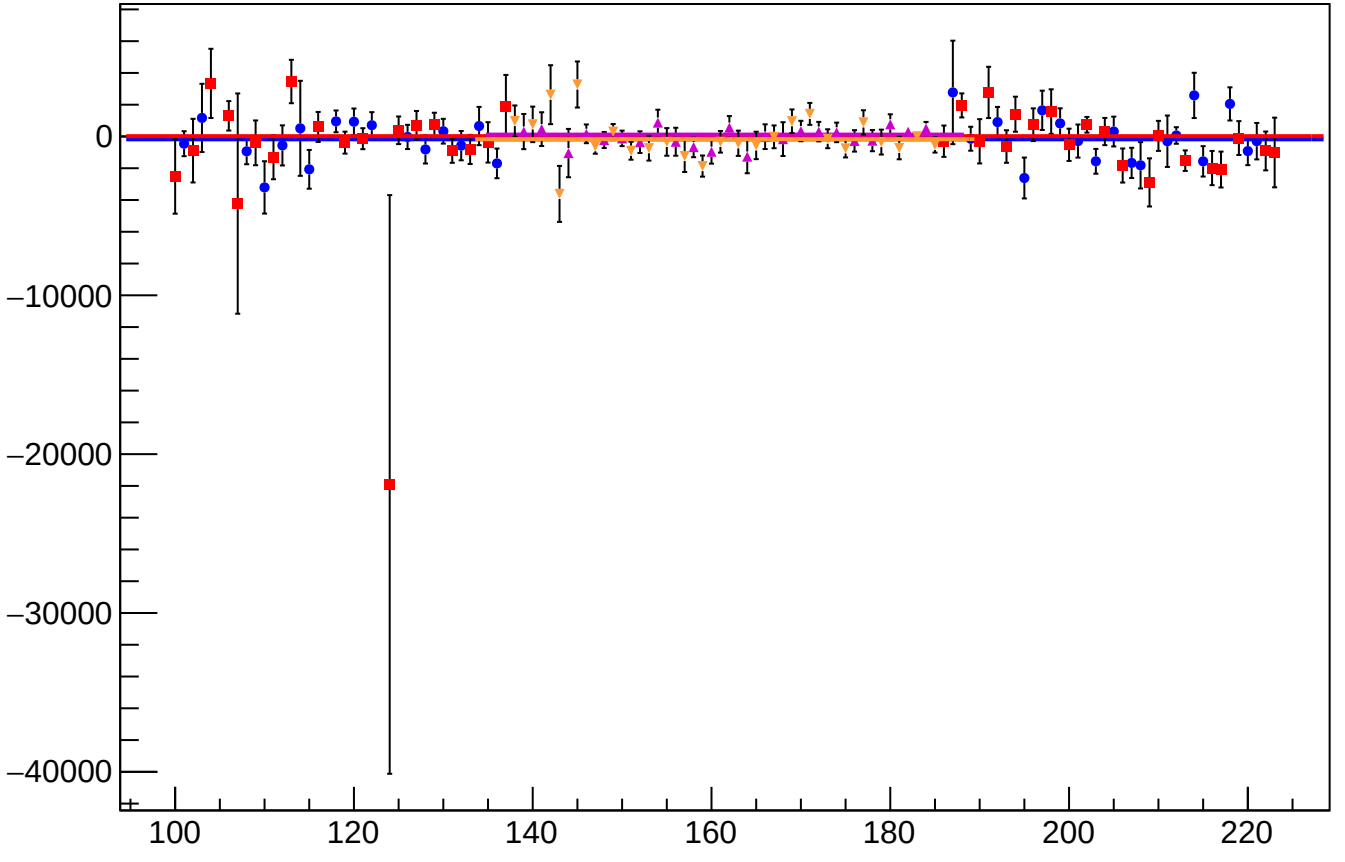
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.997+/-0.202 χ^2/NDF: 903332.8/58

All: 1839.312+/-0.144 χ^2/NDF: 1652461.2/12

- sign 1852.085+/-0.205 χ^2/NDF: 741533.7/61

asym_at1_avg_dit_correction_mean vs Slug



Right In: -179.285+/-164.356 χ^2/NDF: 44.7/33

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 20.006+/-161.161 χ^2/NDF: 56.3/38

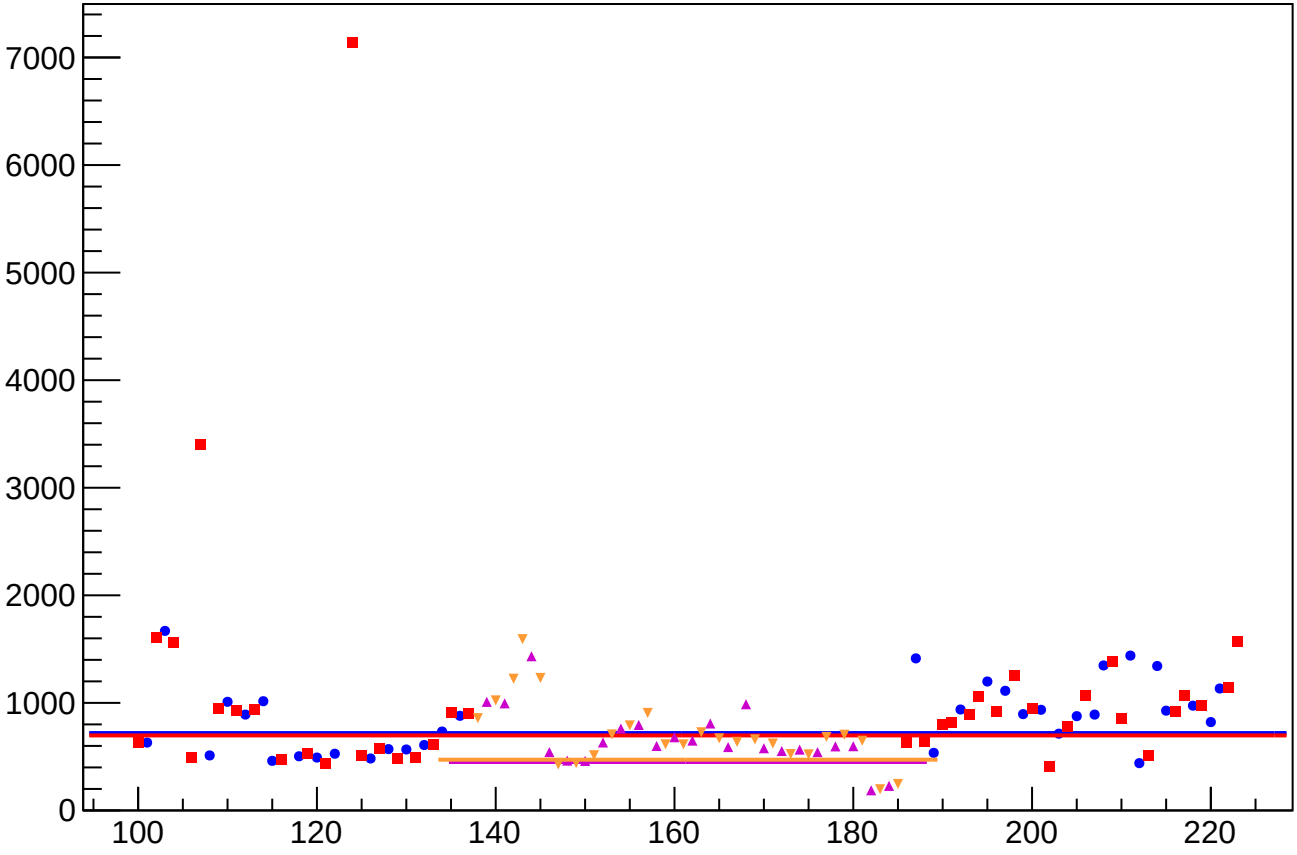
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -171.934+/-97.769 χ^2/NDF: 83.0/58

All: -42.505+/-68.547 χ^2/NDF: 155.3/120

- sign 82.625+/-96.131 χ^2/NDF: 68.8/61

asym_at1_avg_dit_correction_rms vs Slug



Right In: 719.525+/-0.116 χ^2/NDF: 4925558.7/33

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 697.575+/-0.114 χ^2/NDF: 6099353.5/38

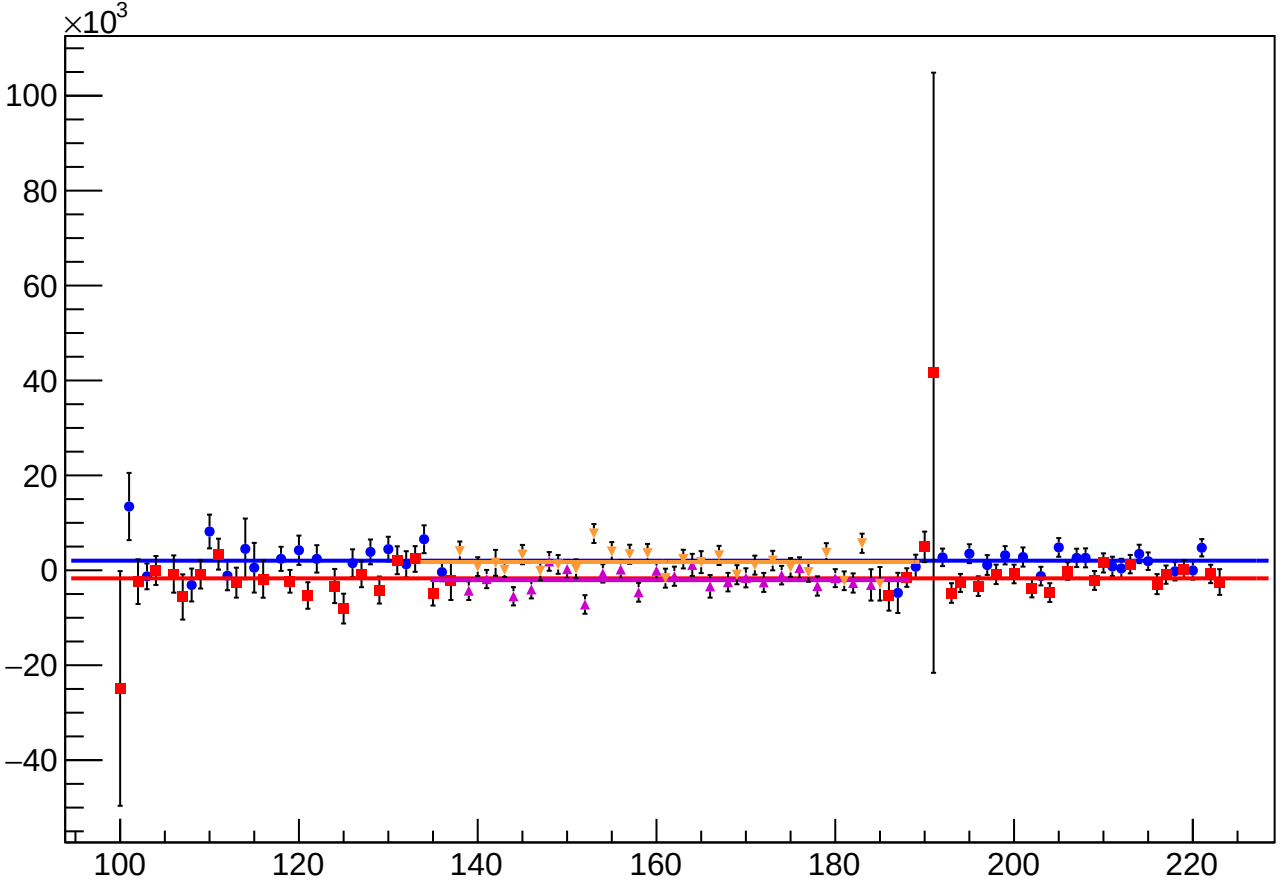
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 559.444+/-0.069 χ^2/NDF: 15974578.8/58

All: 548.799+/-0.048 χ^2/NDF: 33073394.6/12

- sign 538.508+/-0.068 χ^2/NDF: 17052182.4/61

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2026.848+/-401.447 χ^2/NDF: 31.9/33

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1693.461+/-399.100 χ^2/NDF: 37.3/38

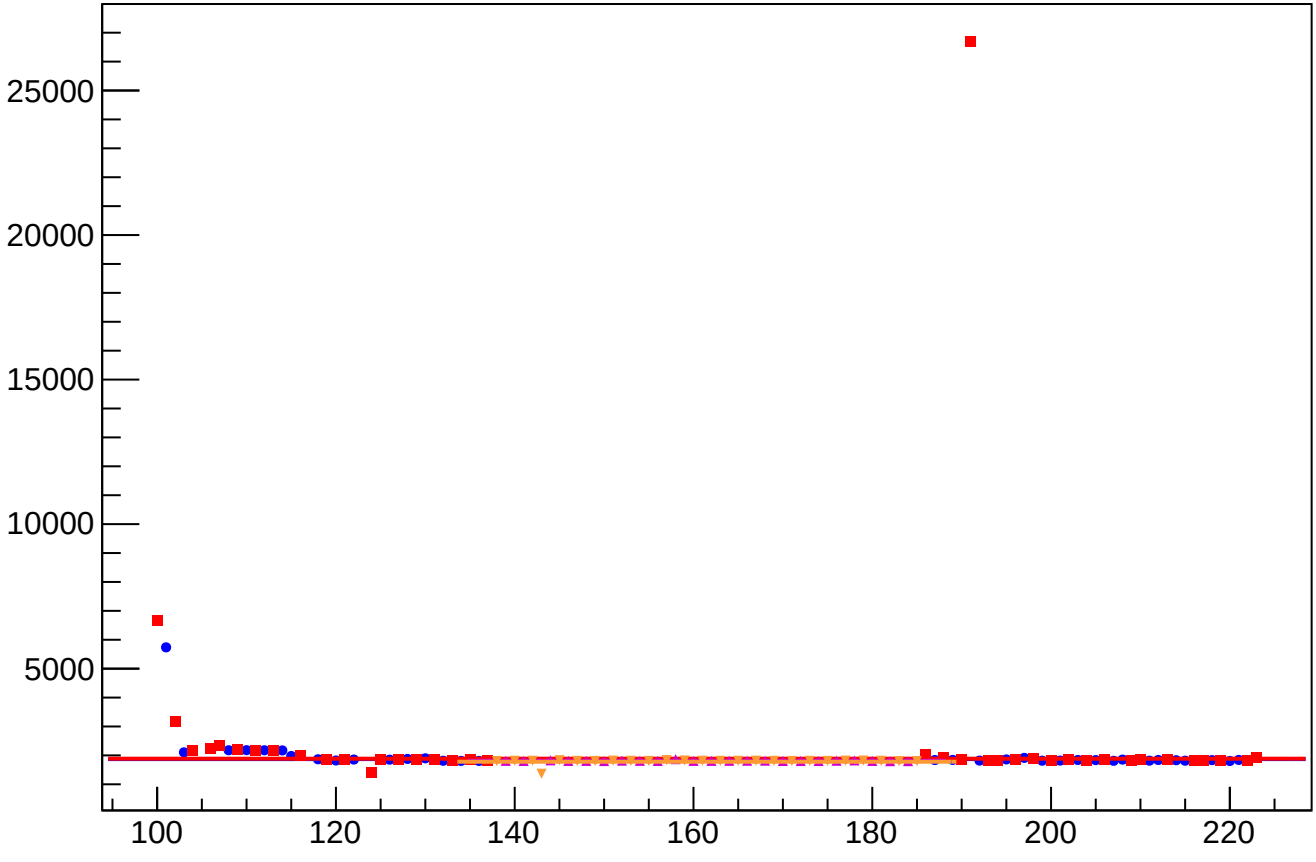
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1892.501+/-285.254 χ^2/NDF: 65.9/58

All: 44.470+/-203.533 χ^2/NDF: 216.2/120

- sign -1872.124+/-290.497 χ^2/NDF: 64.8/61

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1872.185+/-0.284 χ^2/NDF: 687210.5/33

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1885.499+/-0.282 χ^2/NDF: 709621.7/38

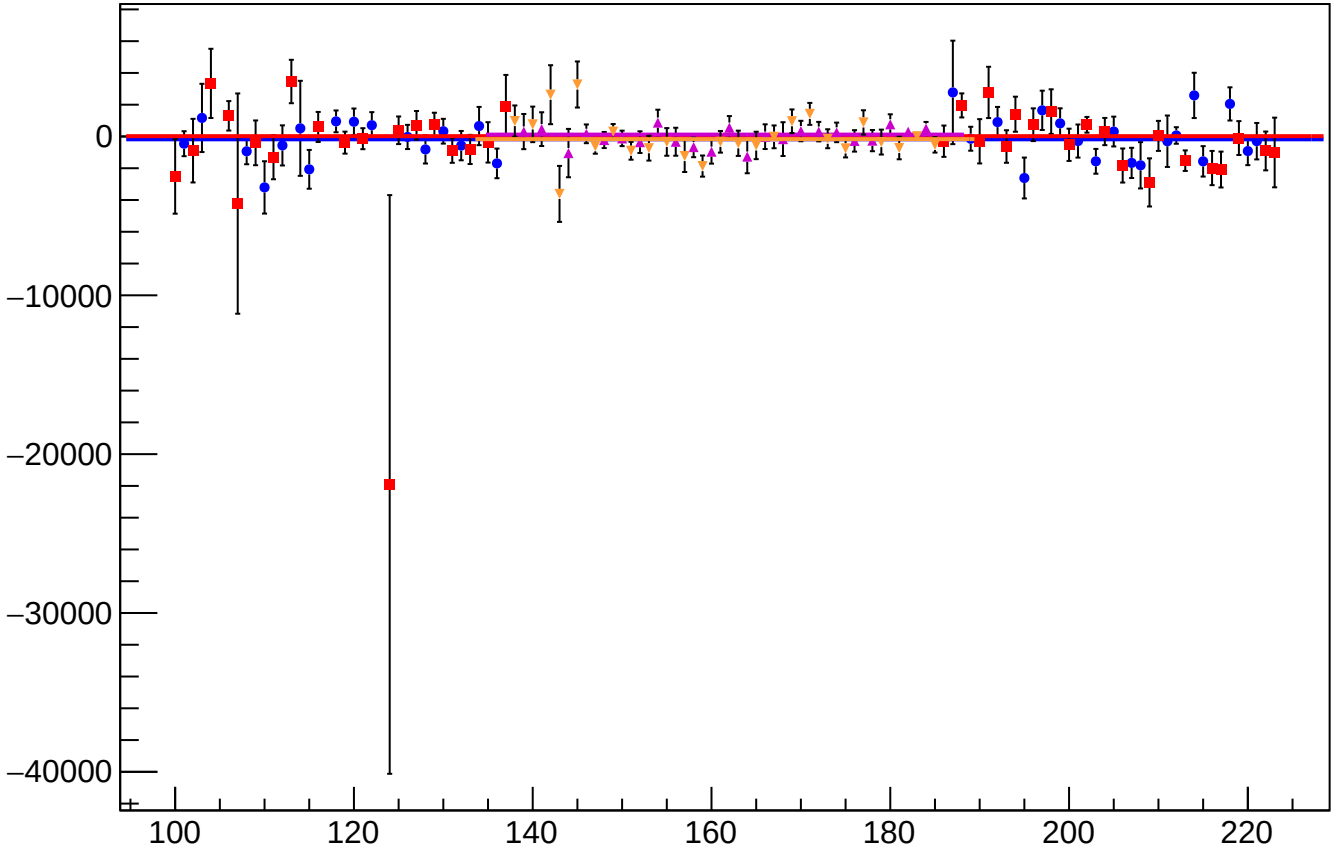
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.997+/-0.202 χ^2/NDF: 903332.2/58

All: 1839.312+/-0.144 χ^2/NDF: 1652459.1/12

- sign 1852.085+/-0.205 χ^2/NDF: 741532.3/61

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -179.284+/-164.356 χ^2/NDF: 44.7/33

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 20.007+/-161.161 χ^2/NDF: 56.3/38

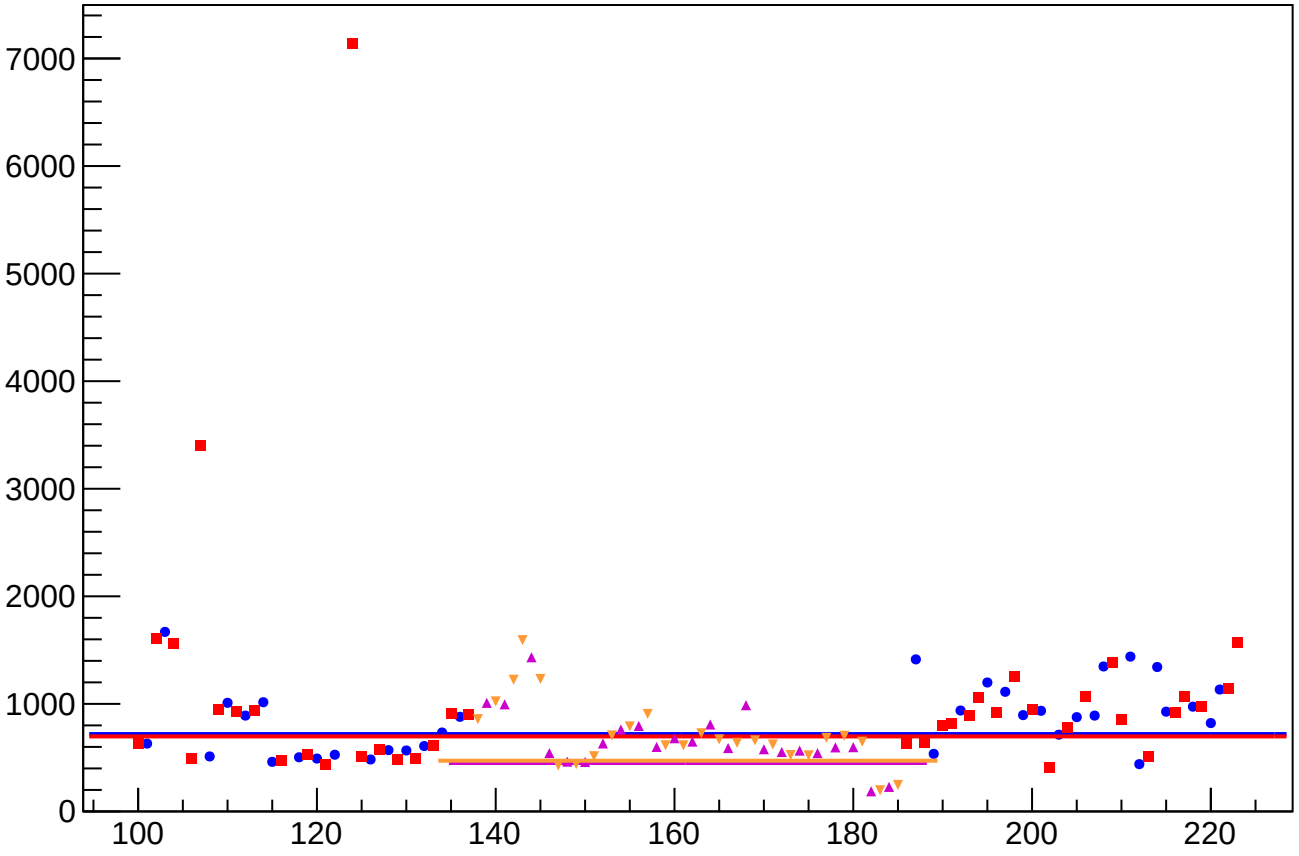
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -171.934+/-97.769 χ^2/NDF: 83.0/58

All: -42.505+/-68.547 χ^2/NDF: 155.3/120

- sign 82.626+/-96.131 χ^2/NDF: 68.8/61

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 719.524+/-0.116 χ^2/NDF: 4925599.5/33

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 697.575+/-0.114 χ^2/NDF: 6099376.9/38

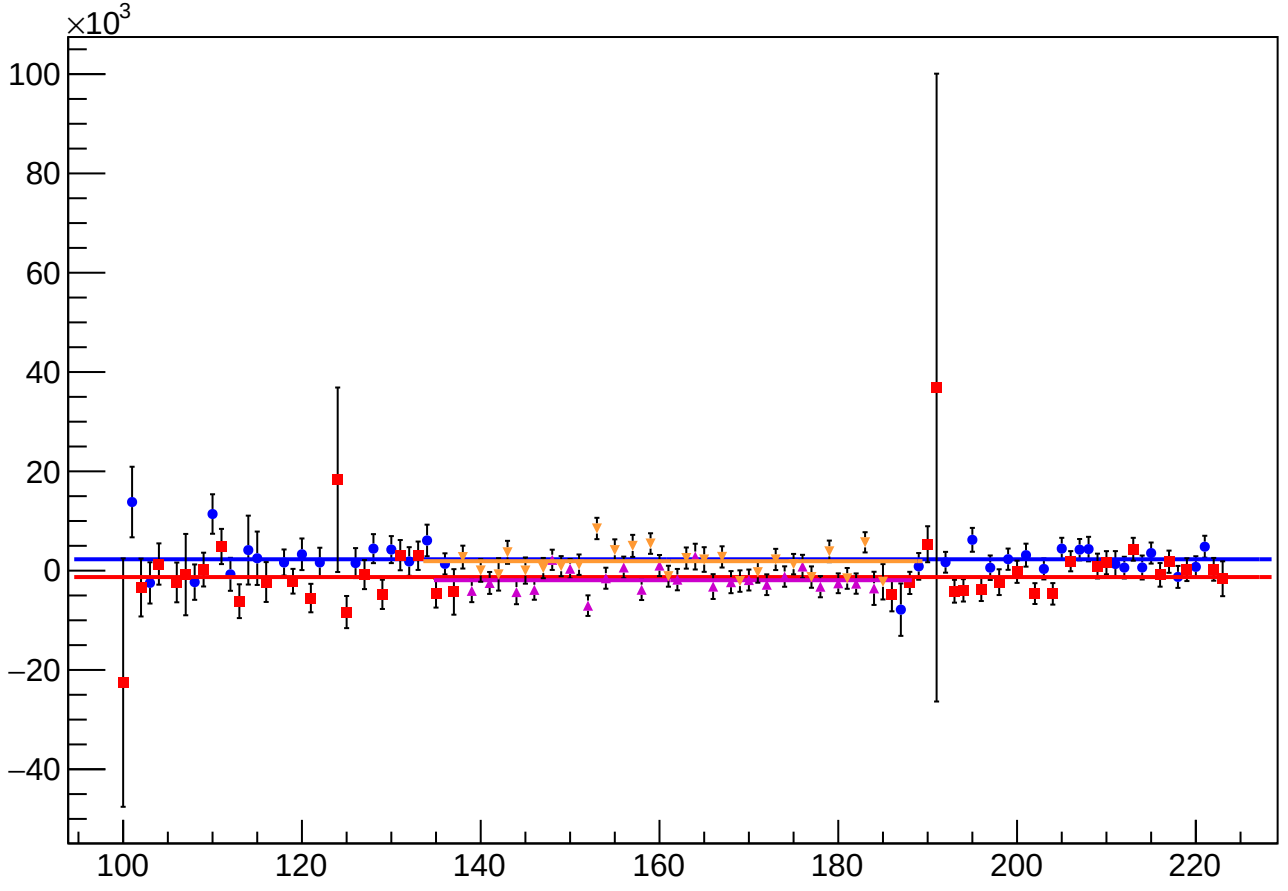
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 559.445+/-0.069 χ^2/NDF: 15974592.2/58

All: 548.800+/-0.048 χ^2/NDF: 33073390.1/12

- sign 538.508+/-0.068 χ^2/NDF: 17052166.0/61

asym_at1_avg_mean vs Slug



Right In: 2290.654+/-453.501 χ^2/NDF: 31.3/33

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -1292.898+/-455.234 χ^2/NDF: 50.3/38

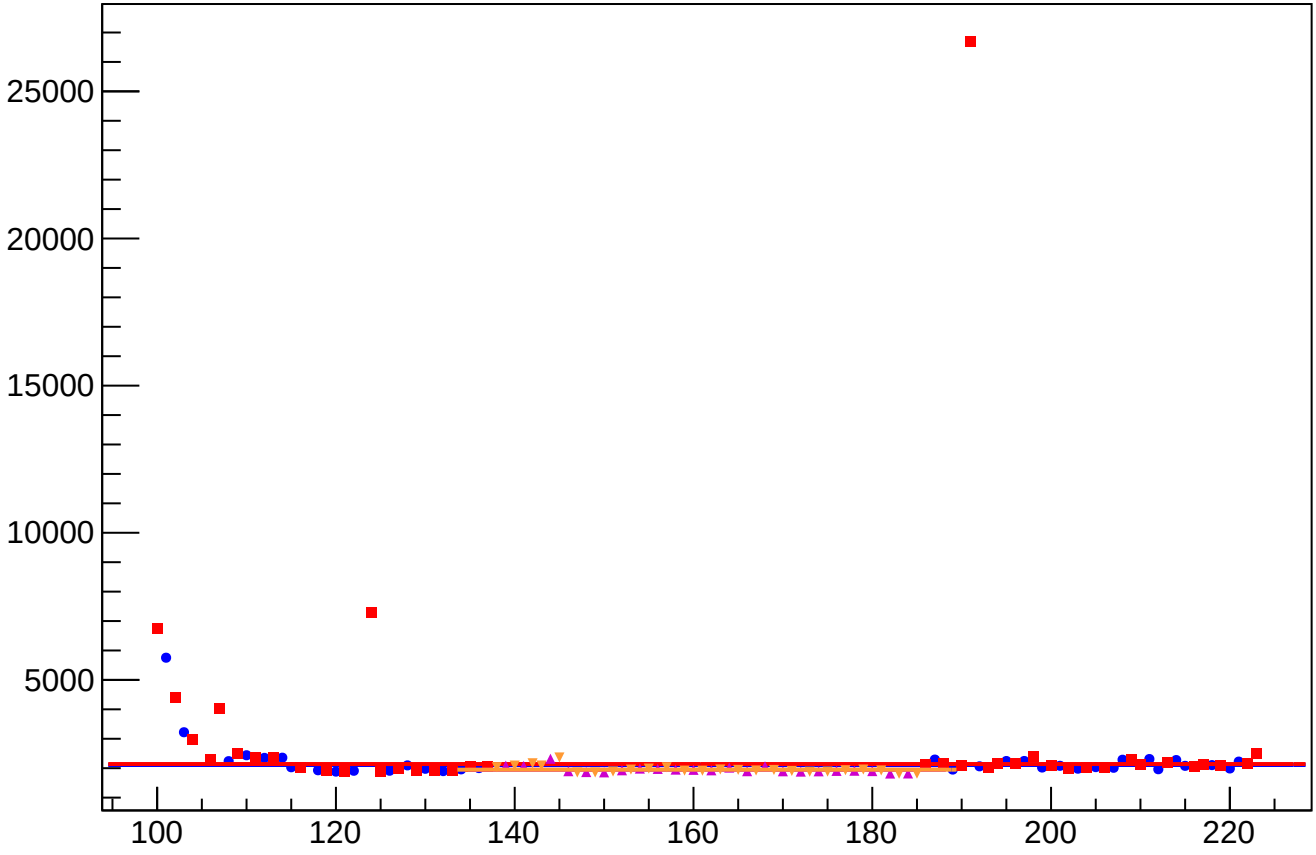
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2094.748+/-317.087 χ^2/NDF: 67.9/58

All: 269.560+/-225.853 χ^2/NDF: 211.2/120

- sign -1609.981+/-321.774 χ^2/NDF: 76.0/61

asym_at1_avg_rms vs Slug



Right In: 2108.628+/-0.321 χ^2/NDF: 852288.8/33

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

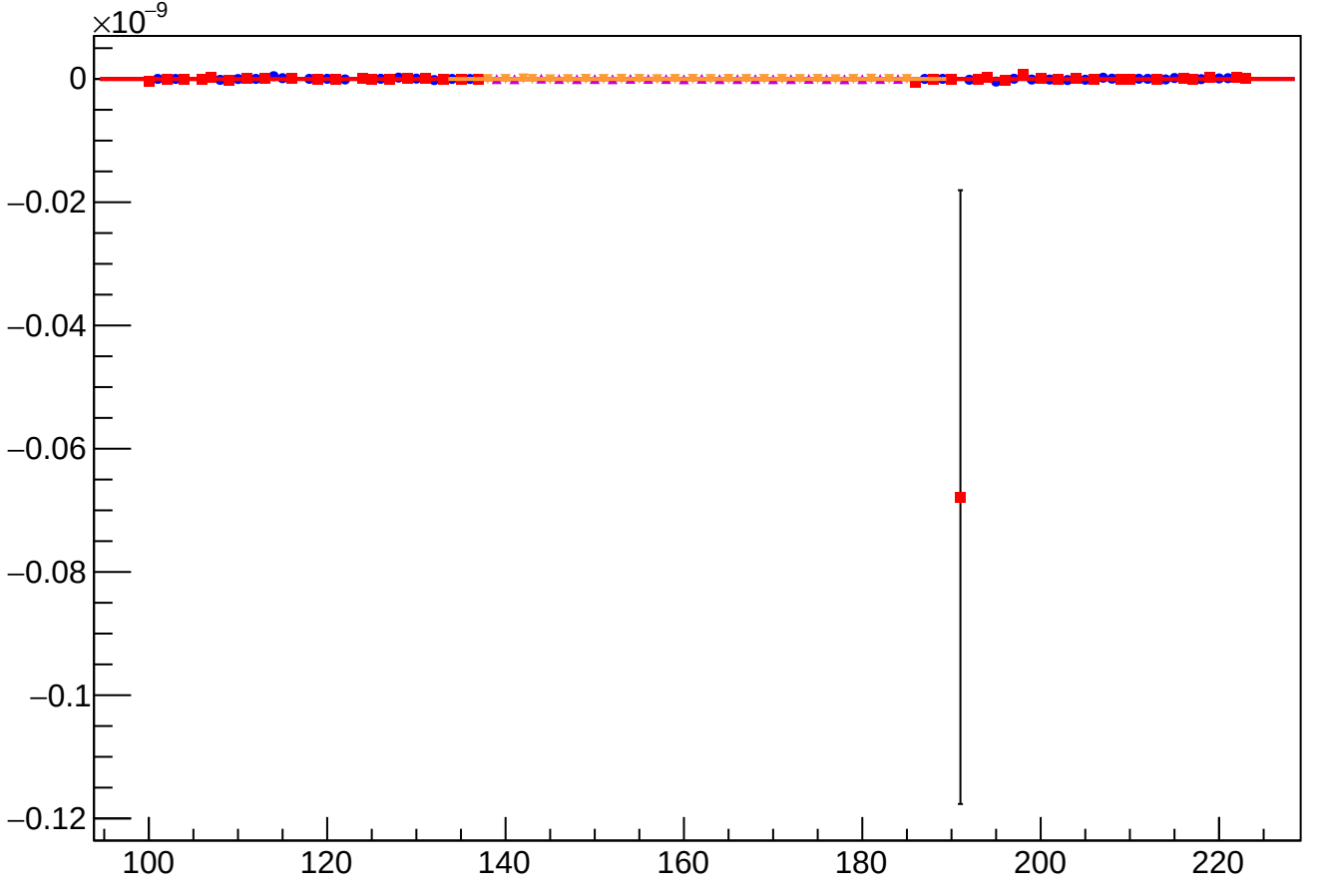
Right Out: 2141.238+/-0.322 χ^2/NDF: 1213041.3/38

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2027.039+/-0.224 χ^2/NDF: 1087463.8/58

All: 2034.956+/-0.160 χ^2/NDF: 2584707.4/12

- sign 2043.109+/-0.228 χ^2/NDF: 1494712.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 37.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

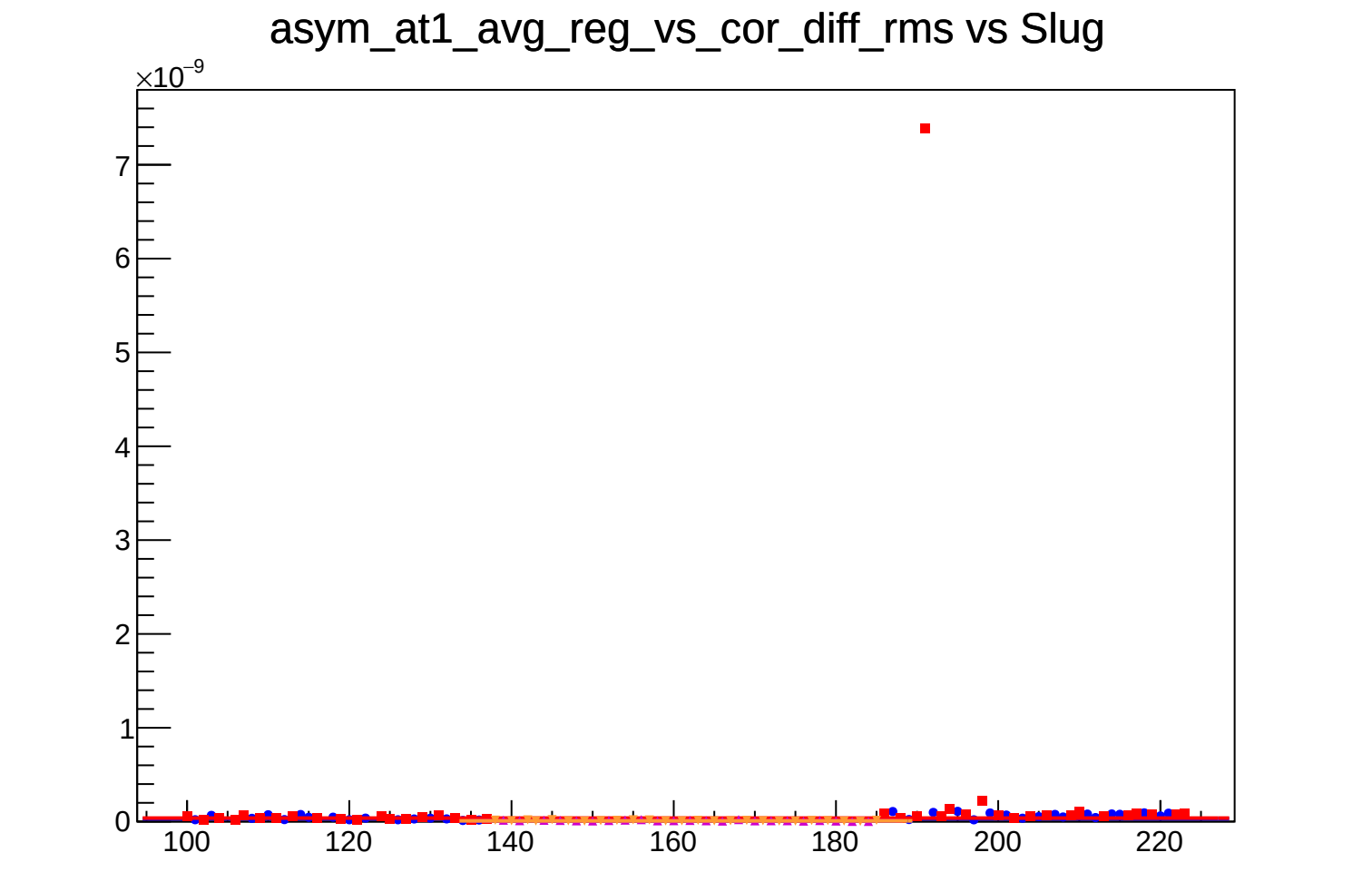
Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/38

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.3/58

All: 0.000+/-0.000 χ^2/NDF: 135.4/120

- sign 0.000+/-0.000 χ^2/NDF: 68.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 5551375.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4601277.8/38

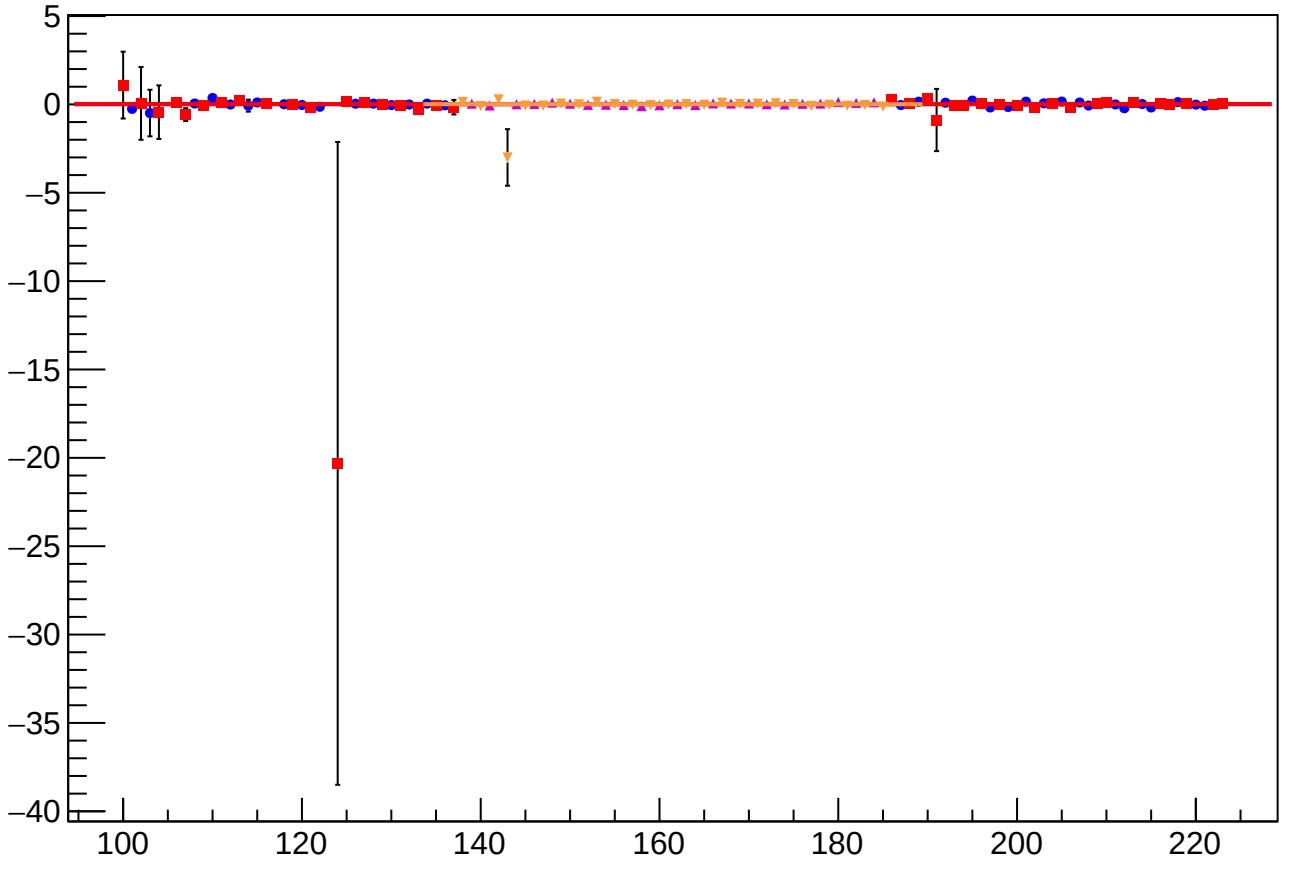
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13568500.1/58

All: 0.000+/-0.000 χ^2/NDF: 28159235.7/120

- sign 0.000+/-0.000 χ^2/NDF: 14589200.2/61

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.017 χ^2/NDF: 35.5/33

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.015+/-0.016 χ^2/NDF: 32.2/38

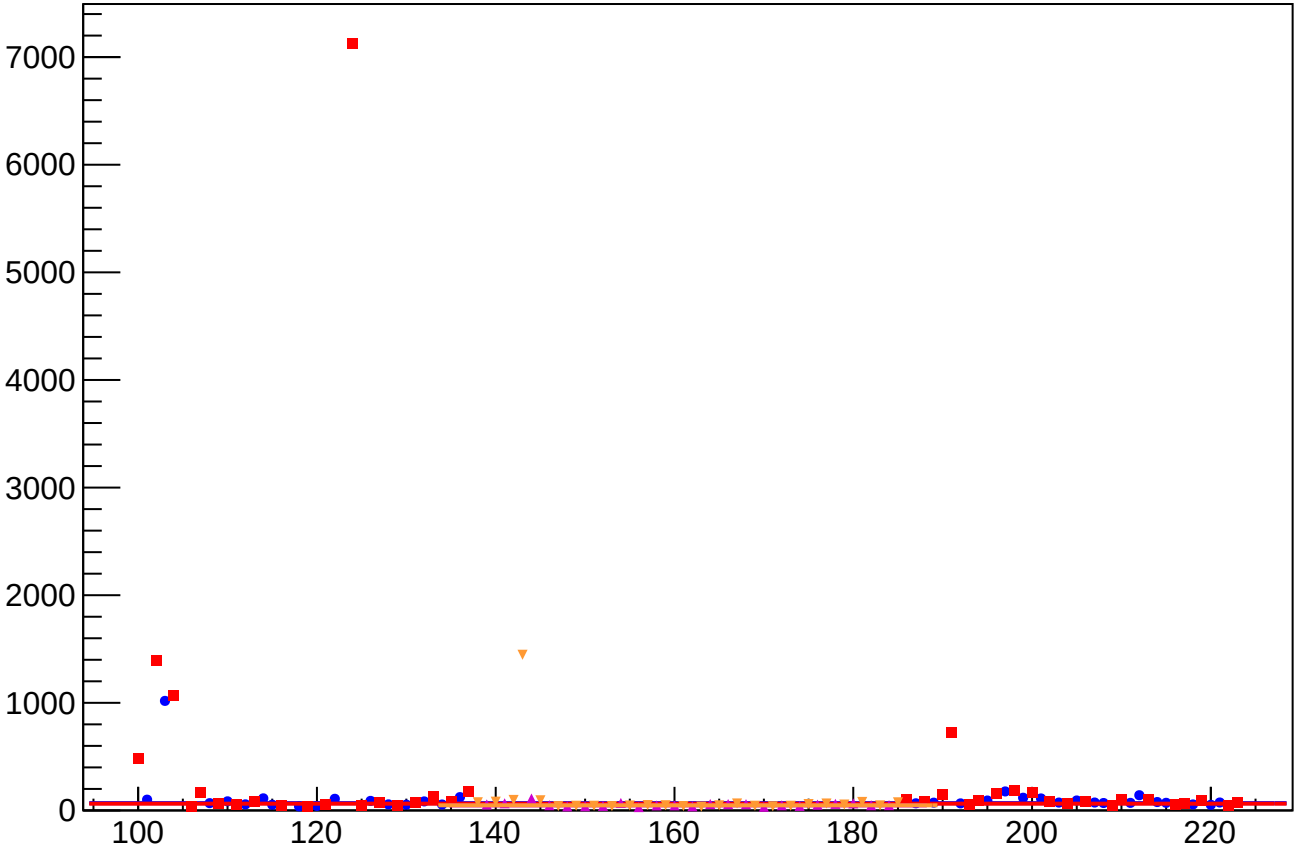
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

\+ sign 0.012+/-0.010 χ^2/NDF: 65.1/58

All: 0.015+/-0.007 χ^2/NDF: 117.8/120

\- sign 0.017+/-0.010 χ^2/NDF: 52.6/61

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 67.933+/-0.012 χ^2/NDF: 4448099.4/33

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

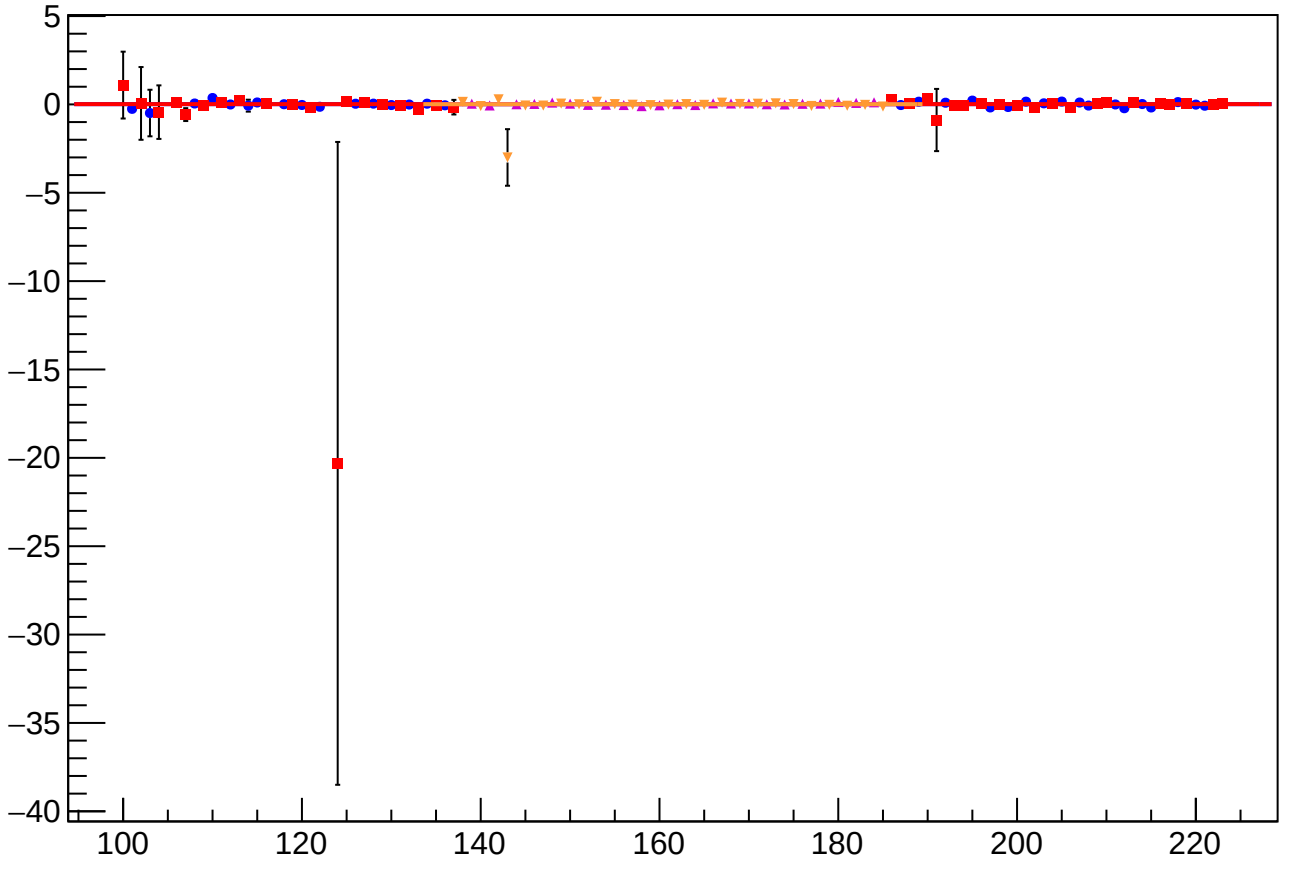
Right Out: 62.967+/-0.012 χ^2/NDF: 7081619.8/38

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.855+/-0.007 χ^2/NDF: 9744465.8/58

All: 53.688+/-0.005 χ^2/NDF: 20075664.2/120

- sign 52.574+/-0.007 χ^2/NDF: 10278506.6/61



Right In: 0.014+/-0.017 χ^2/NDF: 35.5/33

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.015+/-0.016 χ^2/NDF: 32.2/38

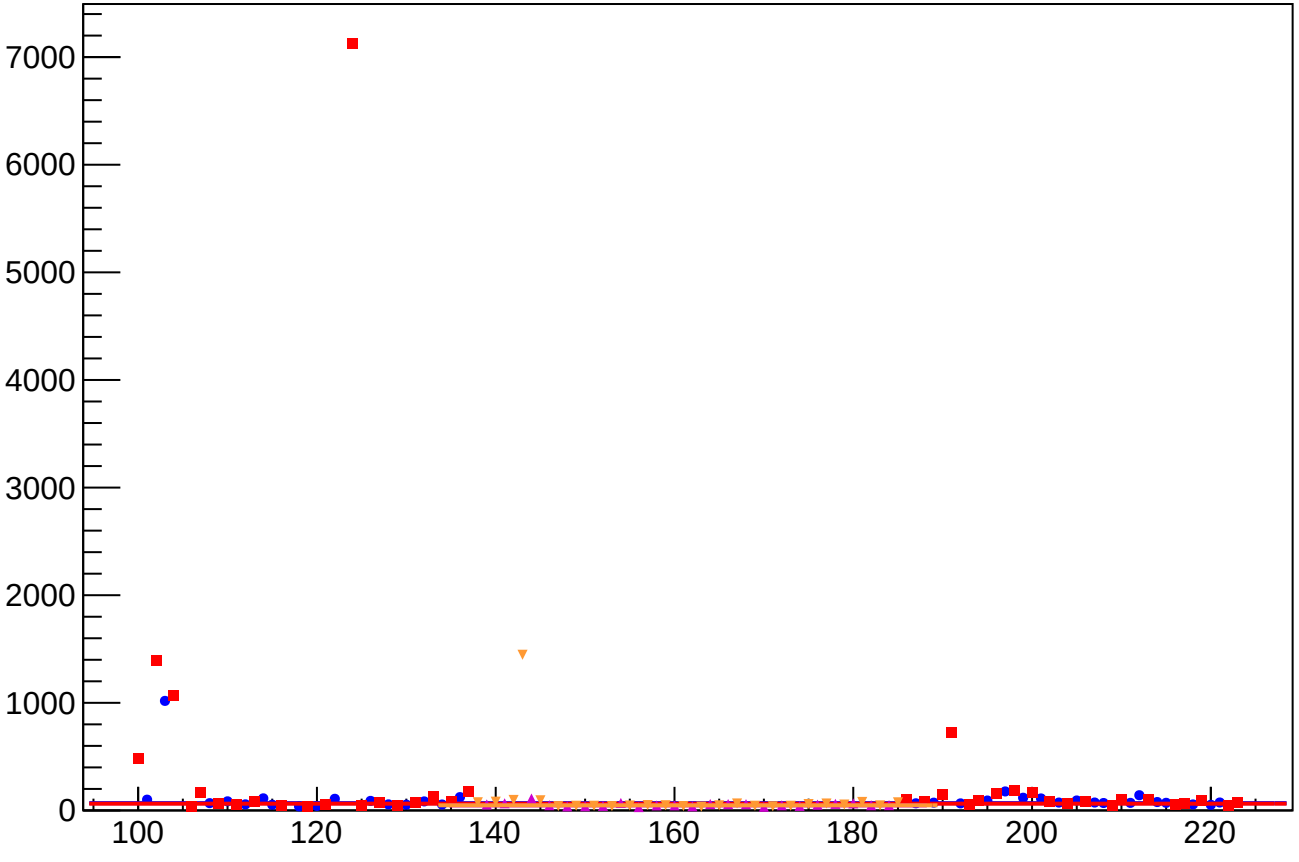
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 65.1/58

All: 0.015+/-0.007 χ^2/NDF: 117.8/120

- sign 0.017+/-0.010 χ^2/NDF: 52.6/61

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.933+/-0.012 χ^2/NDF: 4448099.4/33

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

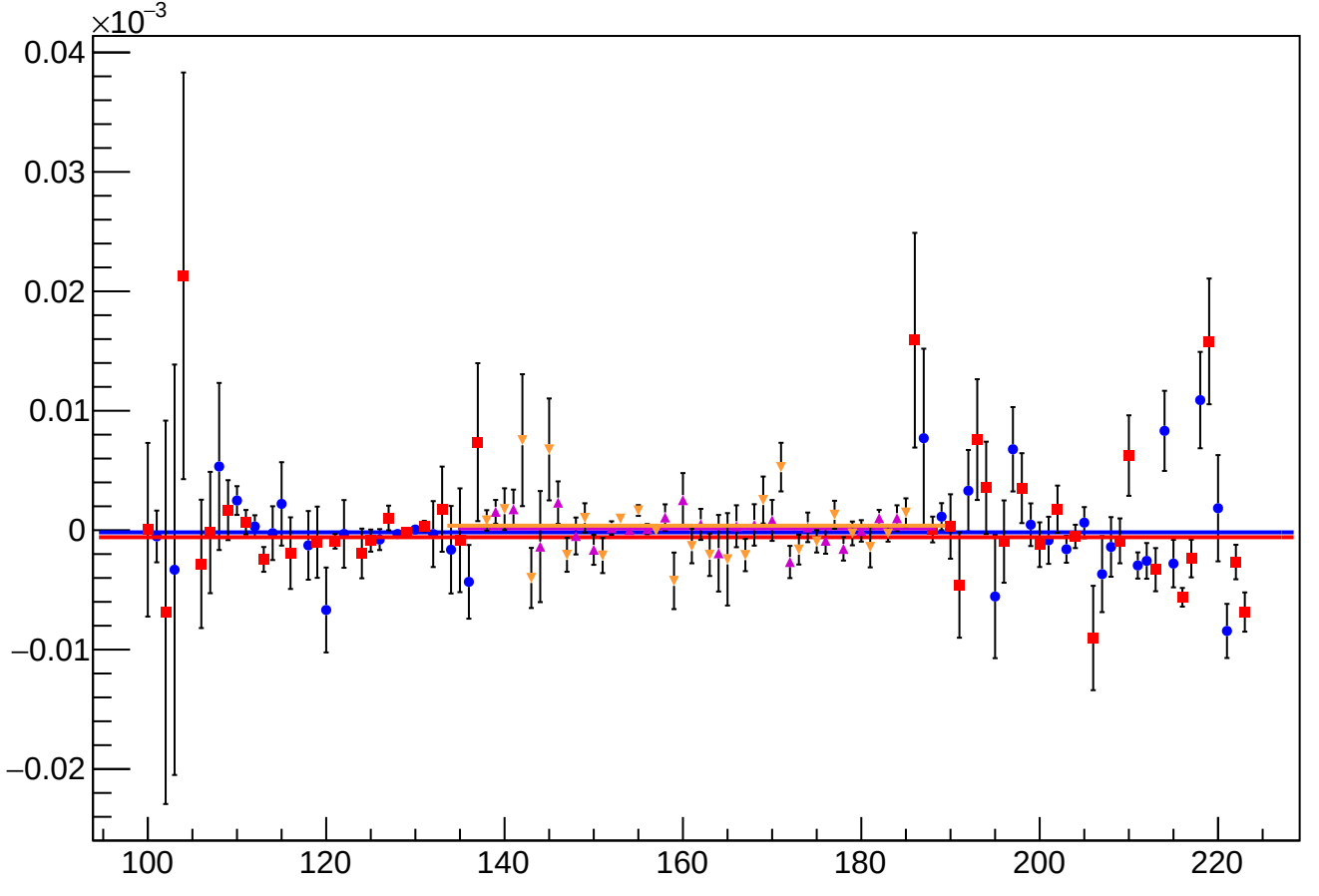
Right Out: 62.967+/-0.012 χ^2/NDF: 7081619.8/38

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.855+/-0.007 χ^2/NDF: 9744465.8/58

All: 53.688+/-0.005 χ^2/NDF: 20075664.2/120

- sign 52.574+/-0.007 χ^2/NDF: 10278506.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 63.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 110.6/38

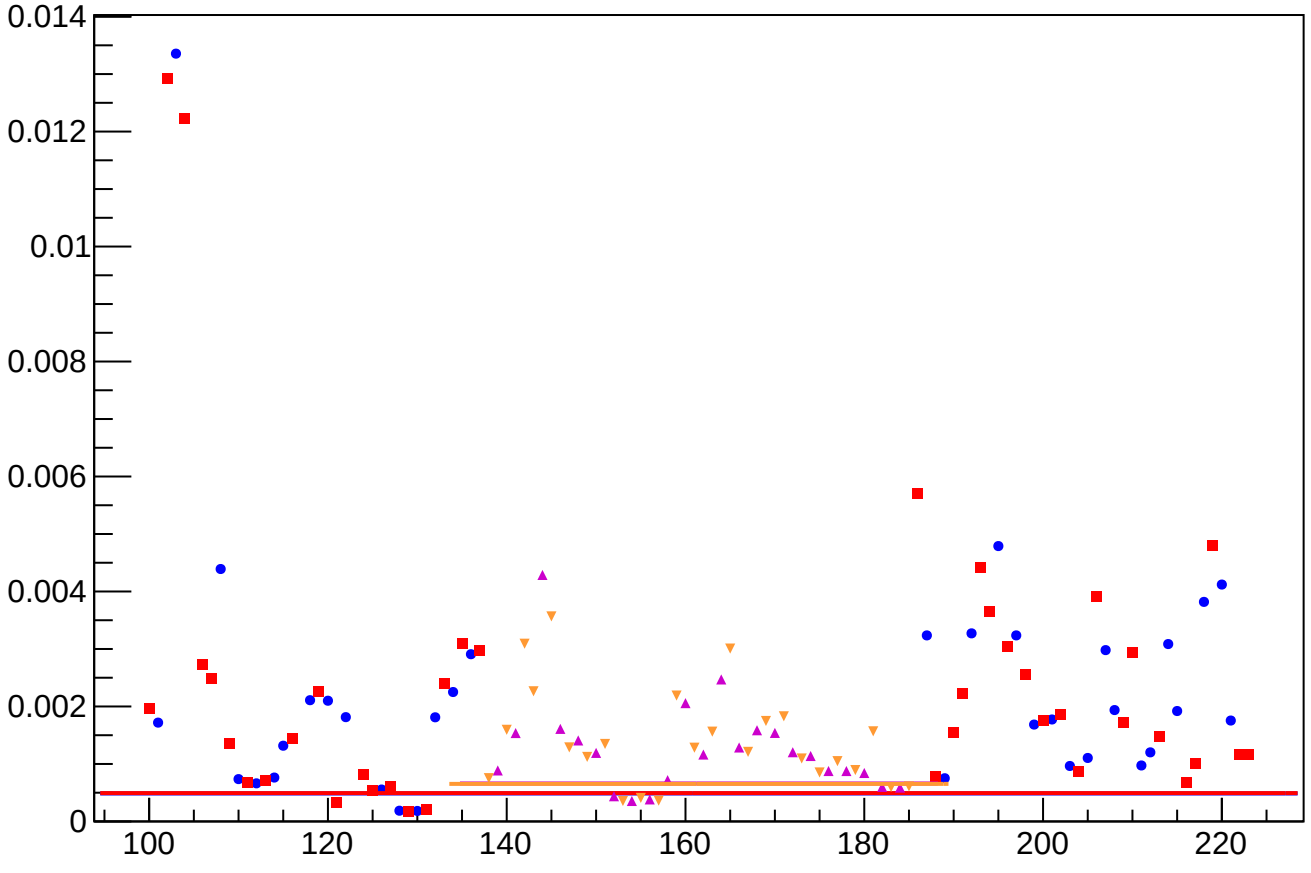
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 120.0/58

All: -0.000+/-0.000 χ^2/NDF: 262.4/120

- sign -0.000+/-0.000 χ^2/NDF: 138.7/61

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25648296.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

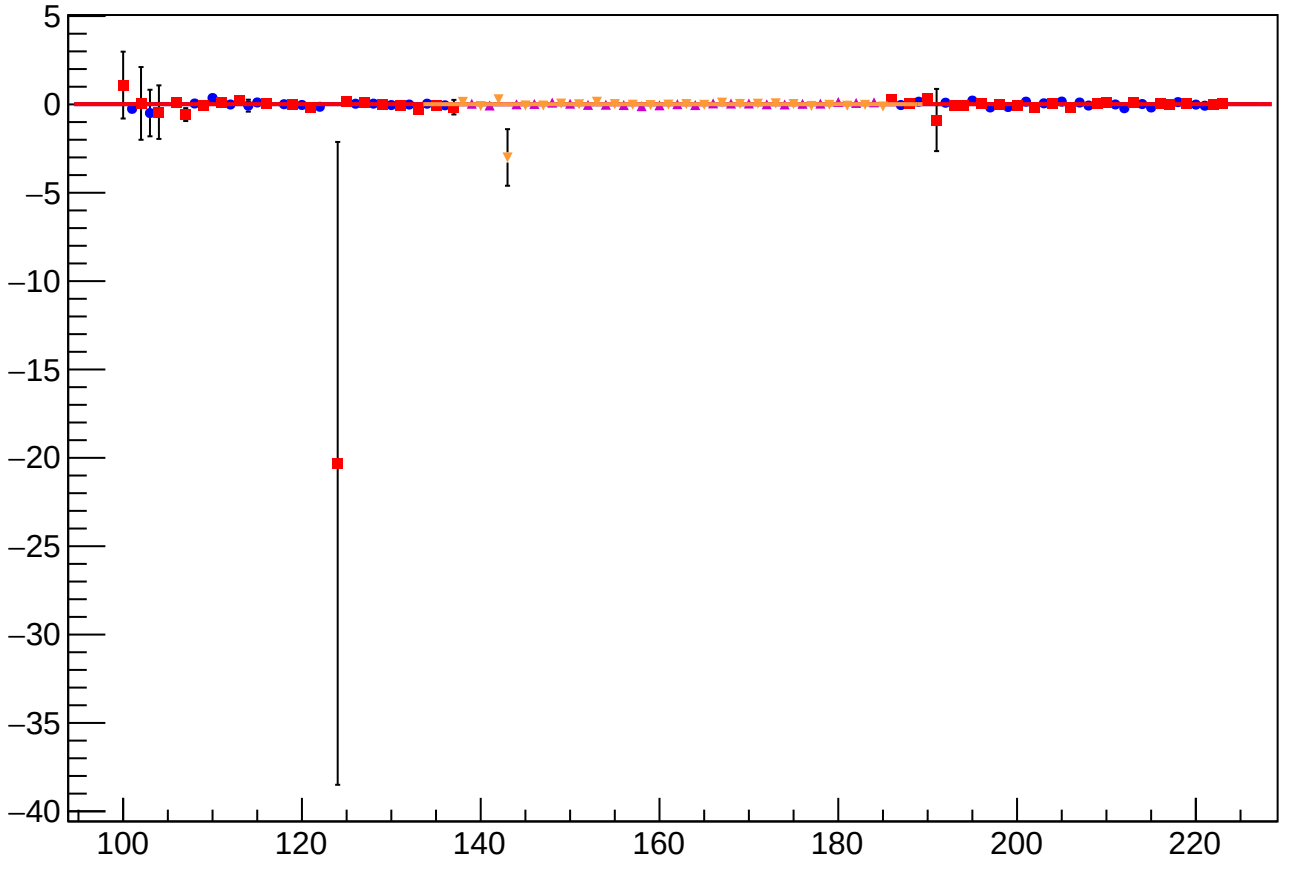
Right Out: 0.000+/-0.000 χ^2/NDF: 24031399.1/38

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 38594699.1/58

All: 0.001+/-0.000 χ^2/NDF: 73183566.6/120

- sign 0.001+/-0.000 χ^2/NDF: 34588549.2/61



Right In: 0.014+/-0.017 χ^2/NDF: 35.5/33

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.015+/-0.016 χ^2/NDF: 32.2/38

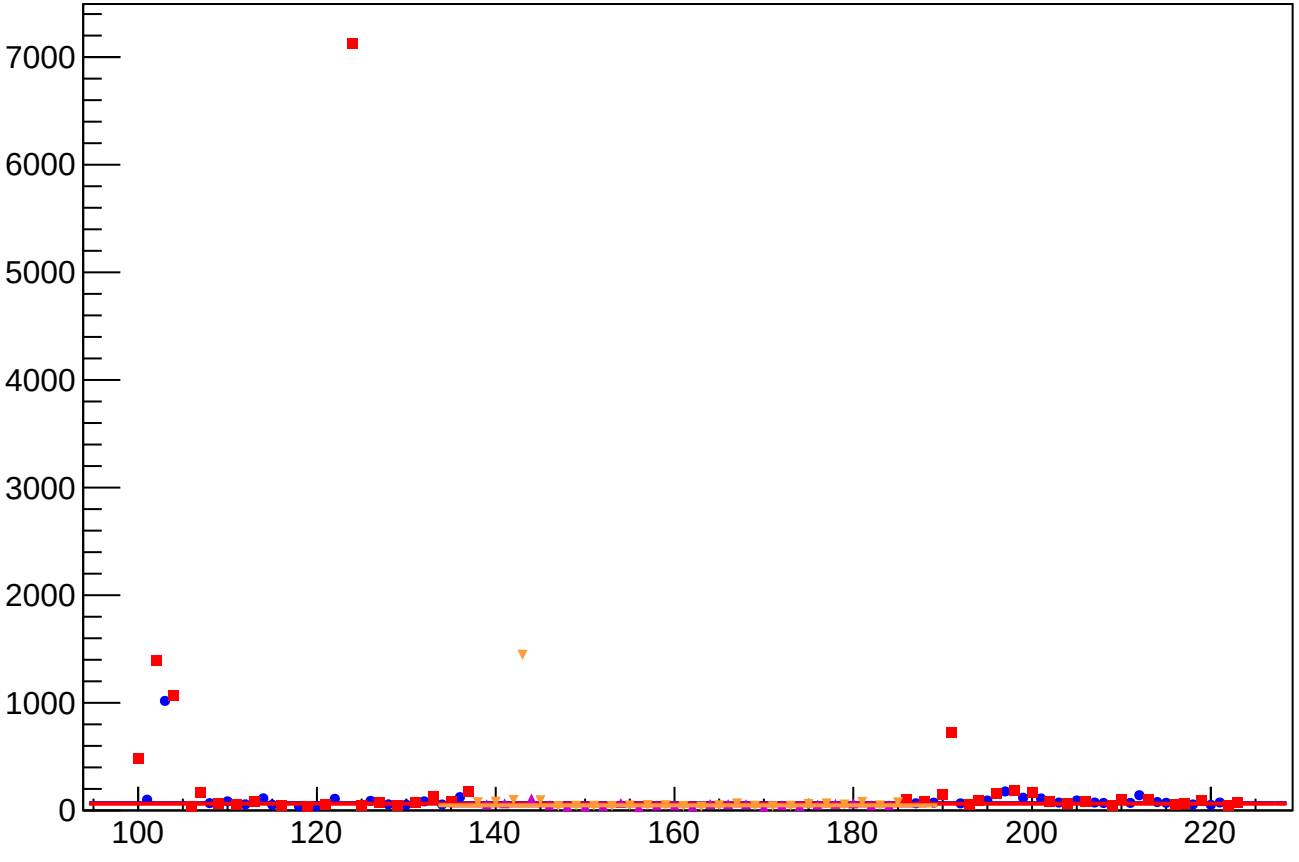
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 65.1/58

All: 0.015+/-0.007 χ^2/NDF: 117.8/120

- sign 0.017+/-0.010 χ^2/NDF: 52.6/61

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.933+/-0.012 χ^2/NDF: 4448192.4/33

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

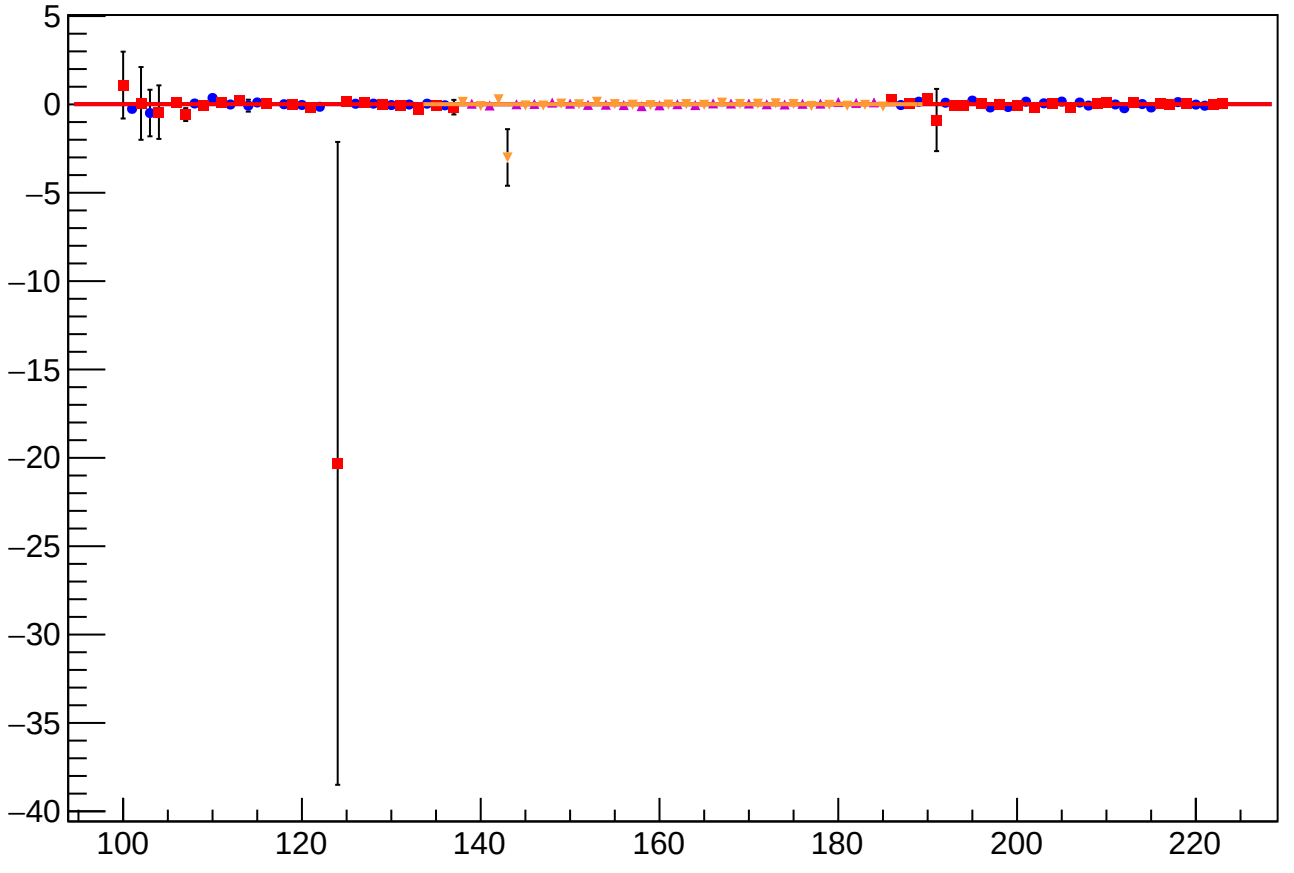
Right Out: 62.966+/-0.012 χ^2/NDF: 7081810.7/38

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.855+/-0.007 χ^2/NDF: 9744486.7/58

All: 53.688+/-0.005 χ^2/NDF: 20075790.9/120

- sign 52.574+/-0.007 χ^2/NDF: 10278595.1/61



Right In: 0.014+/-0.017 χ^2/NDF: 35.5/33

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.015+/-0.016 χ^2/NDF: 32.2/38

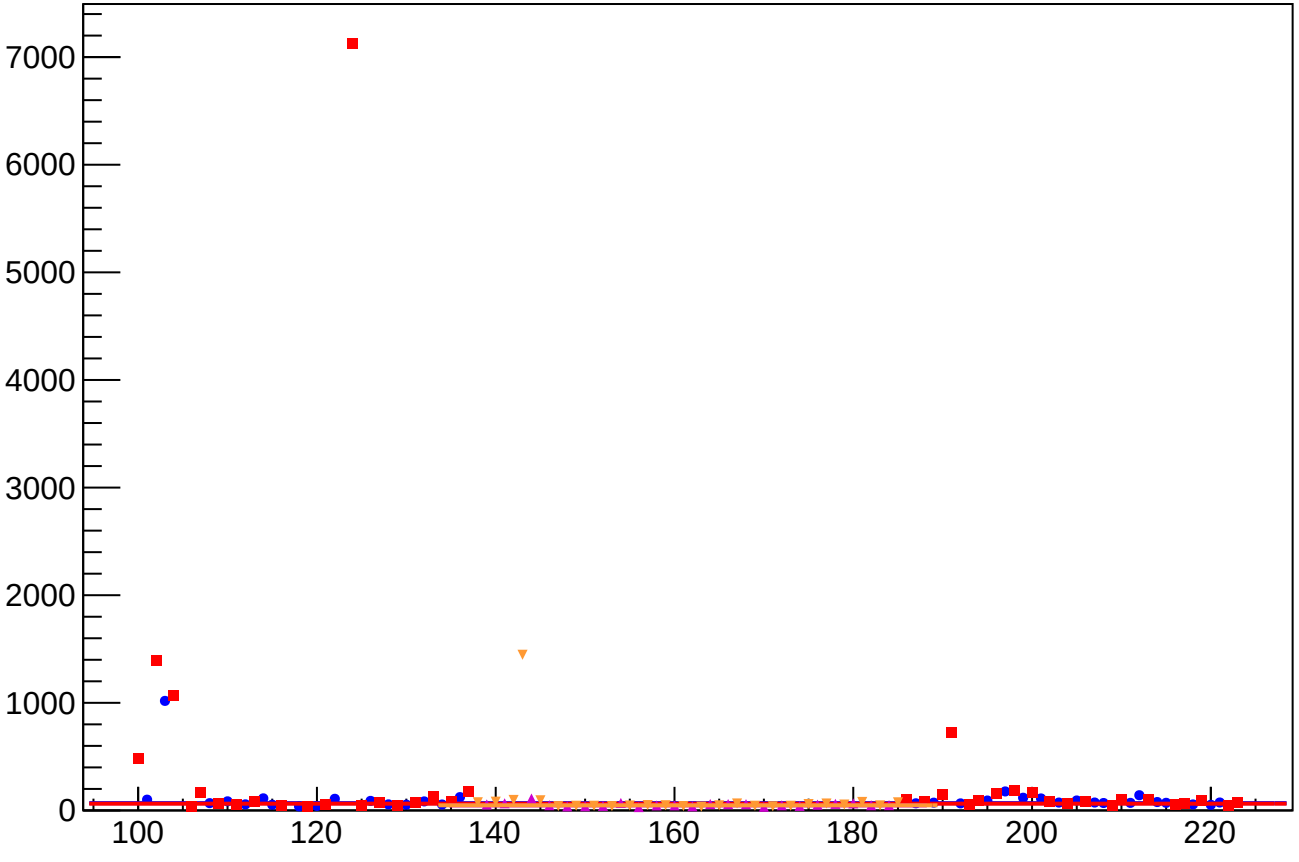
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 65.1/58

All: 0.015+/-0.007 χ^2/NDF: 117.8/120

- sign 0.017+/-0.010 χ^2/NDF: 52.6/61

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.933+/-0.012 χ^2/NDF: 4448192.4/33

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 62.966+/-0.012 χ^2/NDF: 7081810.7/38

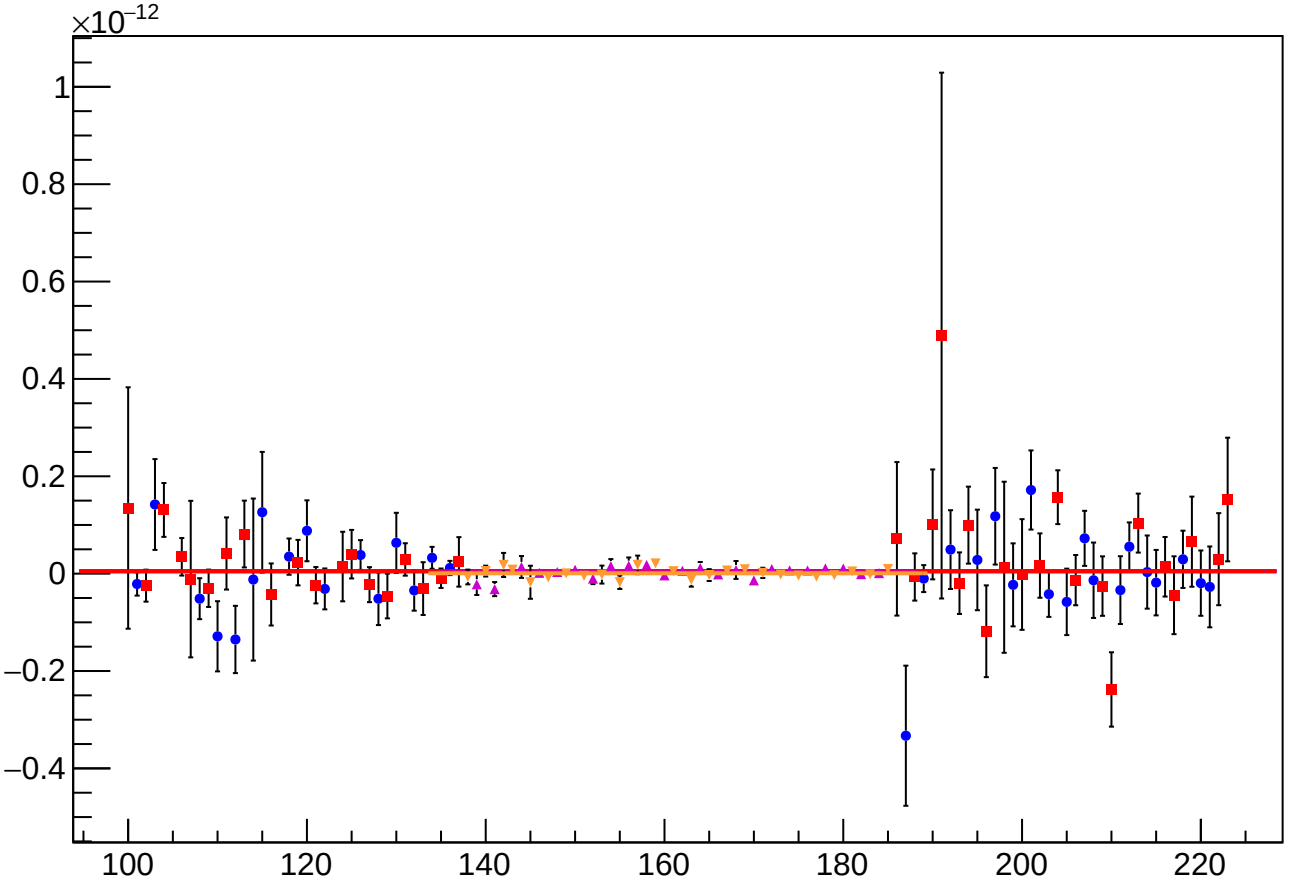
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.855+/-0.007 χ^2/NDF: 9744486.7/58

All: 53.688+/-0.005 χ^2/NDF: 20075790.9/120

- sign 52.574+/-0.007 χ^2/NDF: 10278595.1/61

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

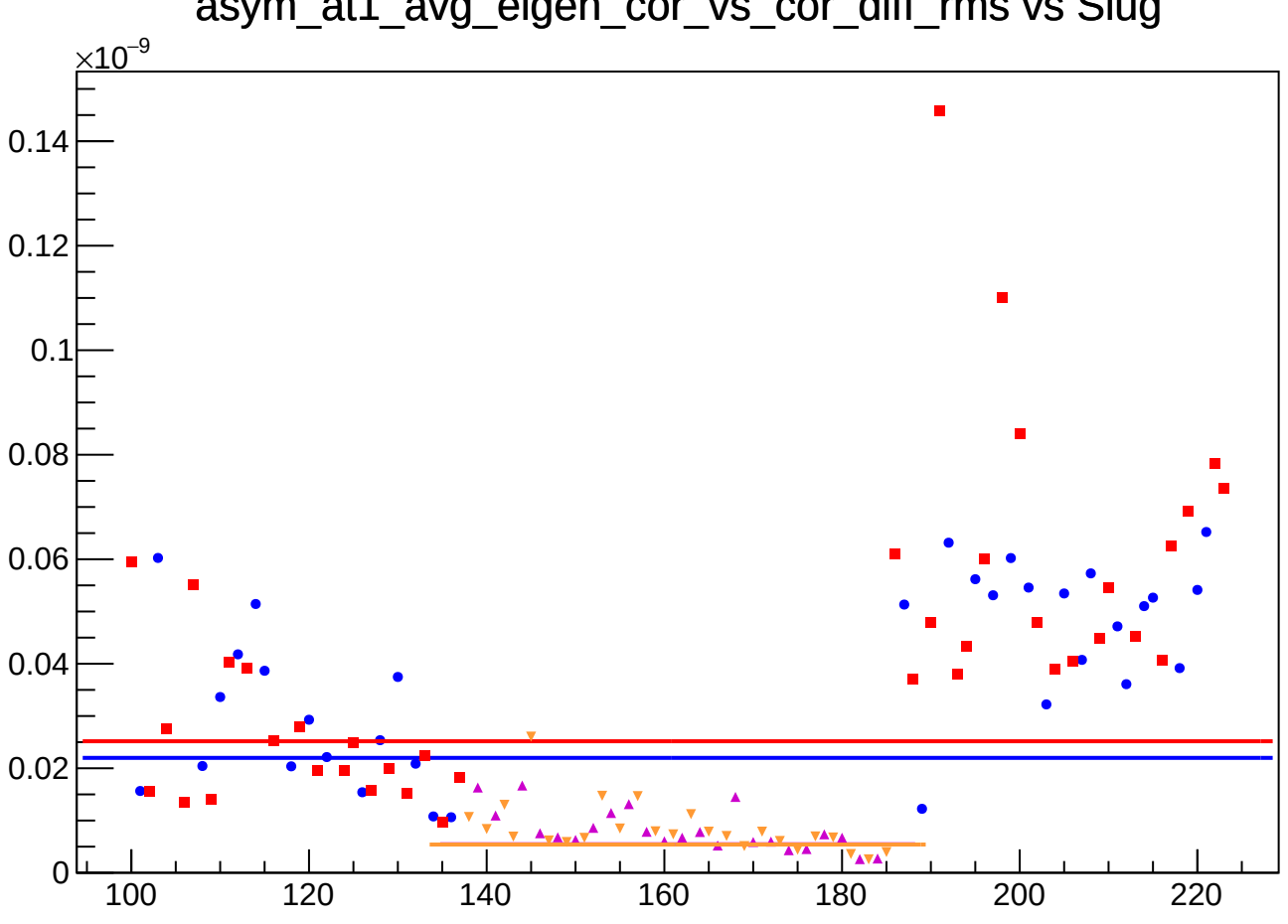
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/38

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.1/58

All: 0.000+/-0.000 χ^2/NDF: 120.0/120

- sign 0.000+/-0.000 χ^2/NDF: 64.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 8210063.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7520386.9/38

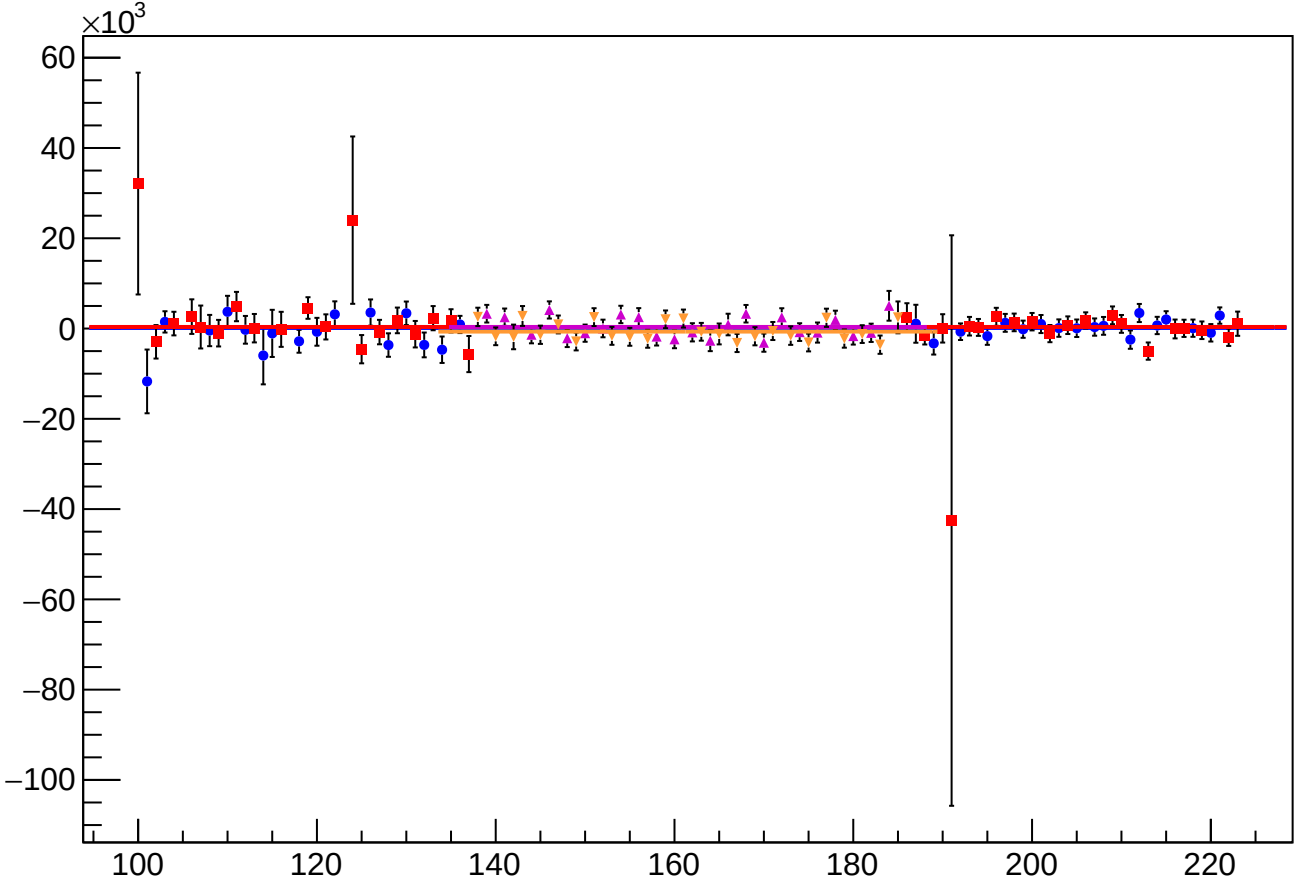
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 22846268.2/58

All: 0.000+/-0.000 χ^2/NDF: 45694898.8/120

- sign 0.000+/-0.000 χ^2/NDF: 22847710.6/61

reg_asym_at1_dd_mean vs Slug



Right In: 140.203+/-395.686 χ^2/NDF: 29.2/33

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 347.077+/-394.271 χ^2/NDF: 32.5/38

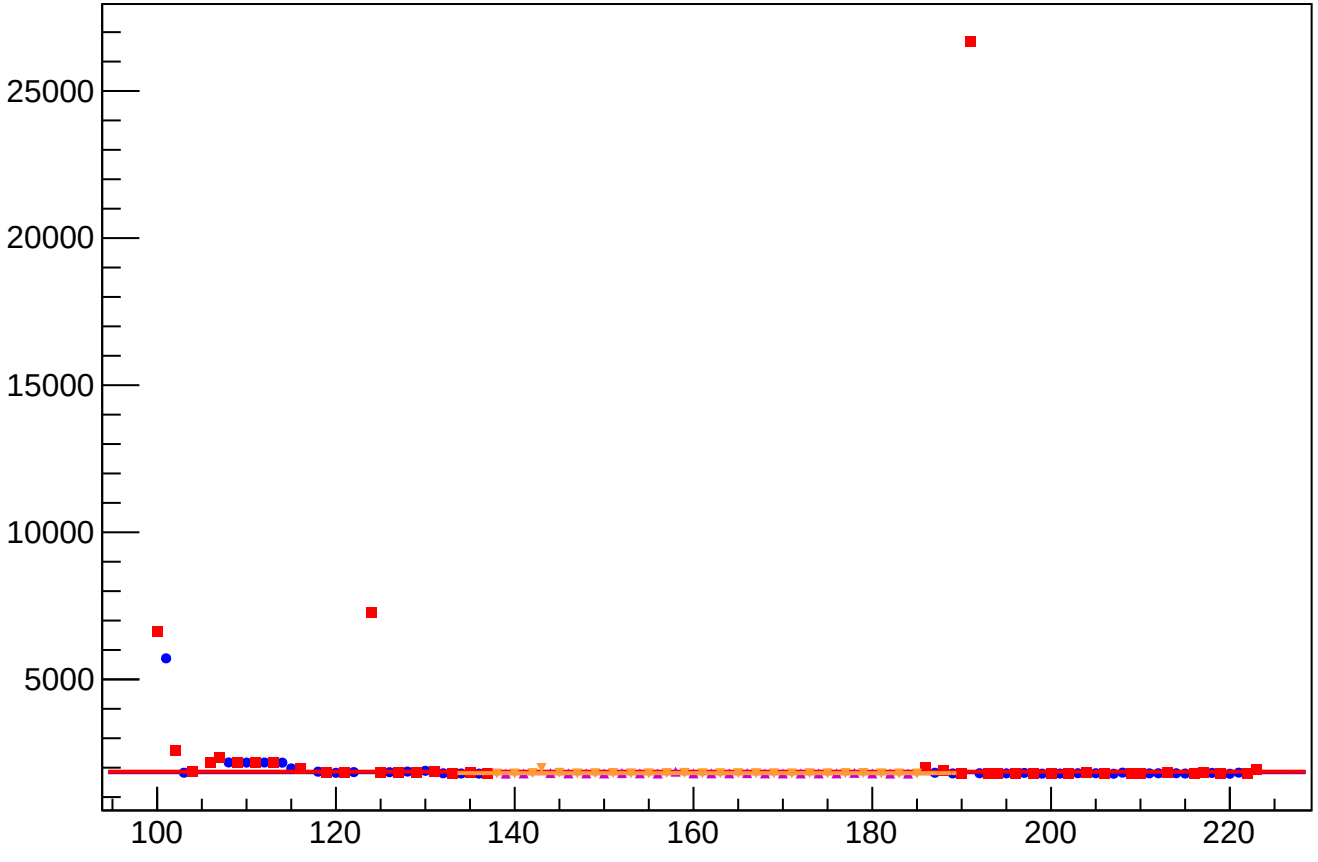
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -248.358+/-285.454 χ^2/NDF: 56.0/58

All: 45.431+/-202.853 χ^2/NDF: 120.7/120

- sign 345.155+/-288.322 χ^2/NDF: 62.6/61

reg_asym_at1_dd_rms vs Slug



Right In: 1845.670+/-0.280 χ^2/NDF: 681930.2/33

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1863.649+/-0.279 χ^2/NDF: 764161.1/38

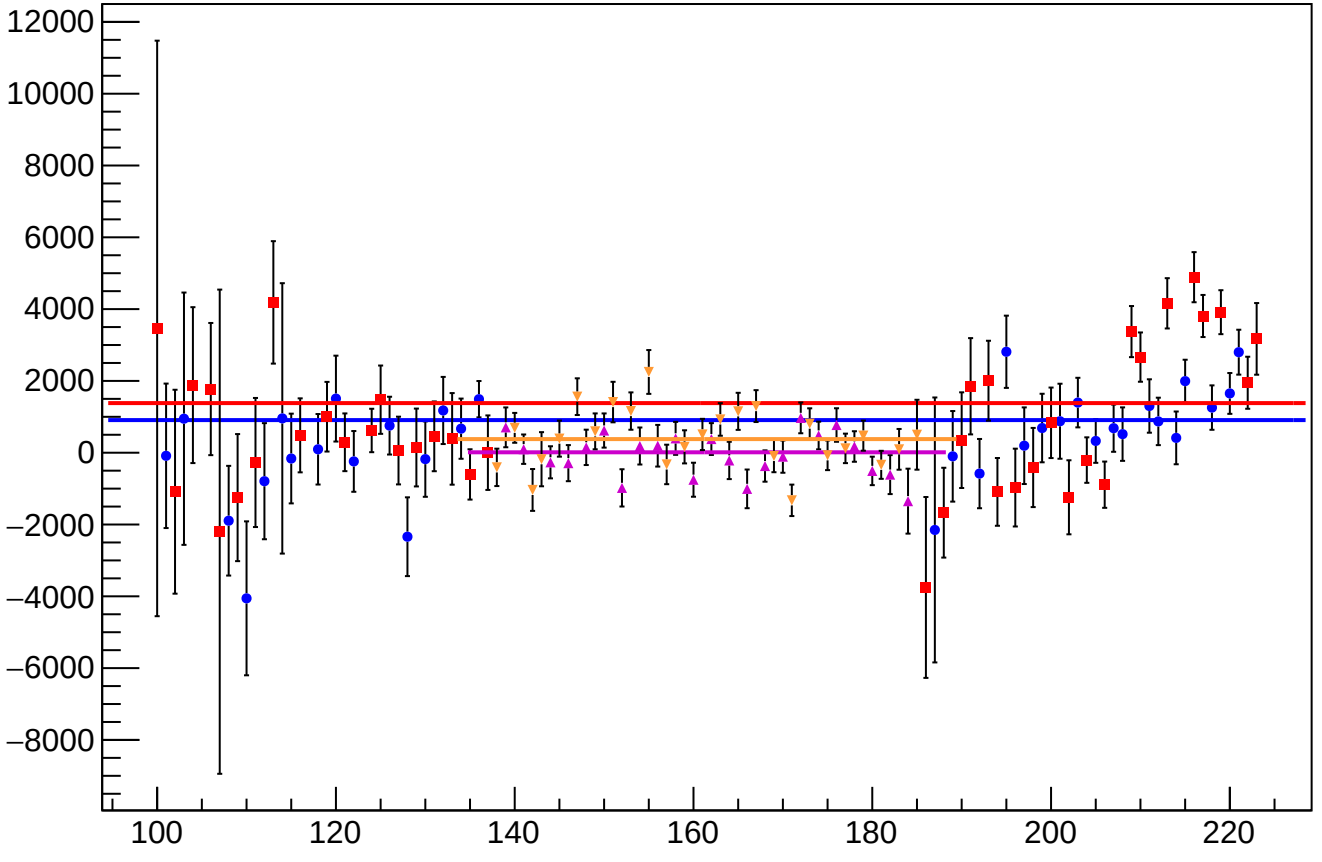
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.691+/-0.202 χ^2/NDF: 701009.2/58

All: 1834.756+/-0.143 χ^2/NDF: 1484892.1/12

- sign 1838.903+/-0.204 χ^2/NDF: 783063.6/61

asym_at1_dd_reg_correction_mean vs Slug



Right In: 908.686+/-146.565 χ^2/NDF: 49.8/33

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 1382.283+/-149.544 χ^2/NDF: 167.2/38

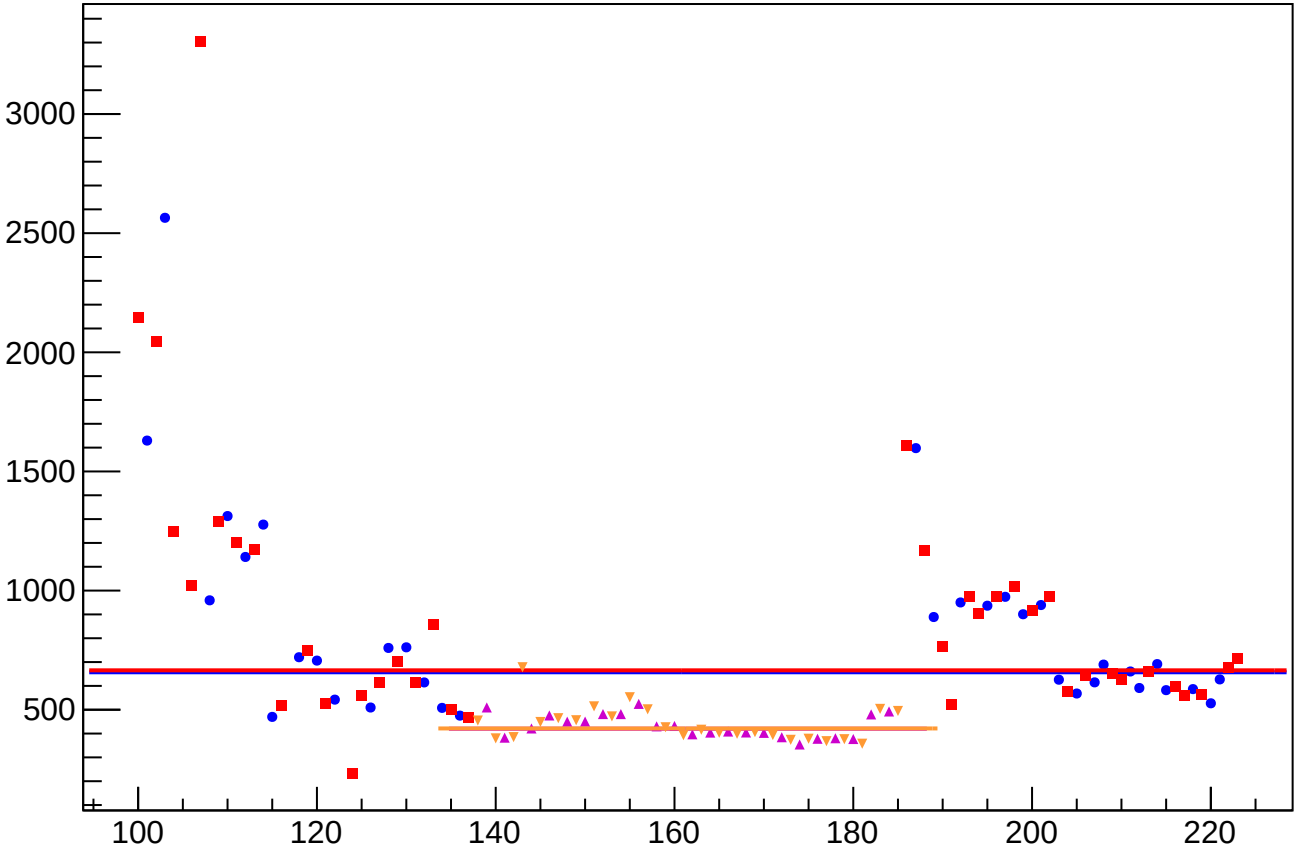
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 540.615+/-80.897 χ^2/NDF: 121.2/58

All: 485.964+/-57.774 χ^2/NDF: 378.8/120

- sign 429.077+/-82.536 χ^2/NDF: 256.7/61

asym_at1_dd_reg_correction_rms vs Slug



Right In: 657.207+/-0.104 χ^2/NDF: 3318486.4/33

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

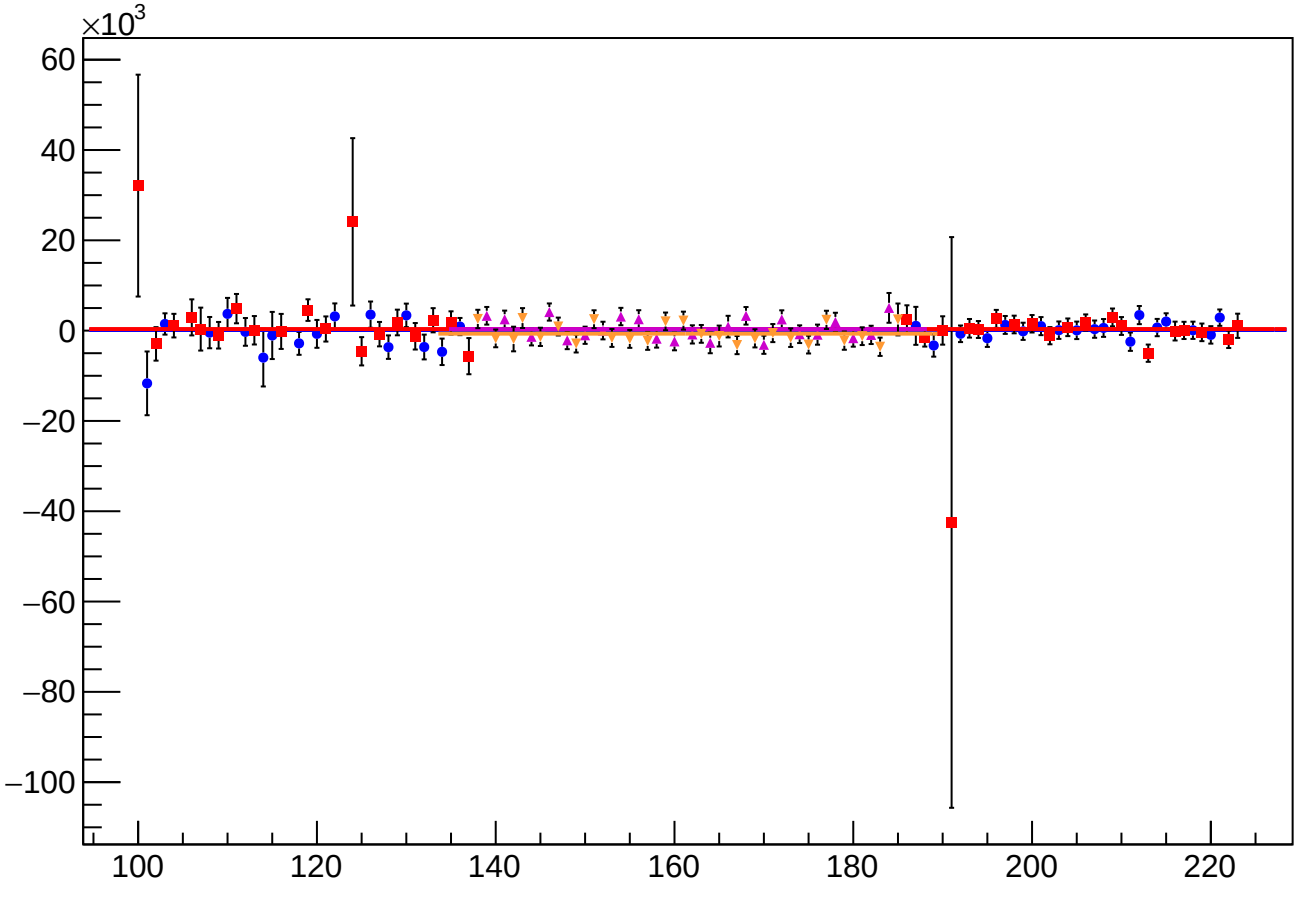
Right Out: 665.336+/-0.106 χ^2/NDF: 4868049.1/38

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 493.250+/-0.057 χ^2/NDF: 7660864.9/58

All: 494.052+/-0.041 χ^2/NDF: 16678836.9/12

- sign 494.887+/-0.058 χ^2/NDF: 9017570.7/61



Right In: 140.518+/-395.686 χ^2/NDF: 29.2/33

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 348.161+/-394.436 χ^2/NDF: 32.6/38

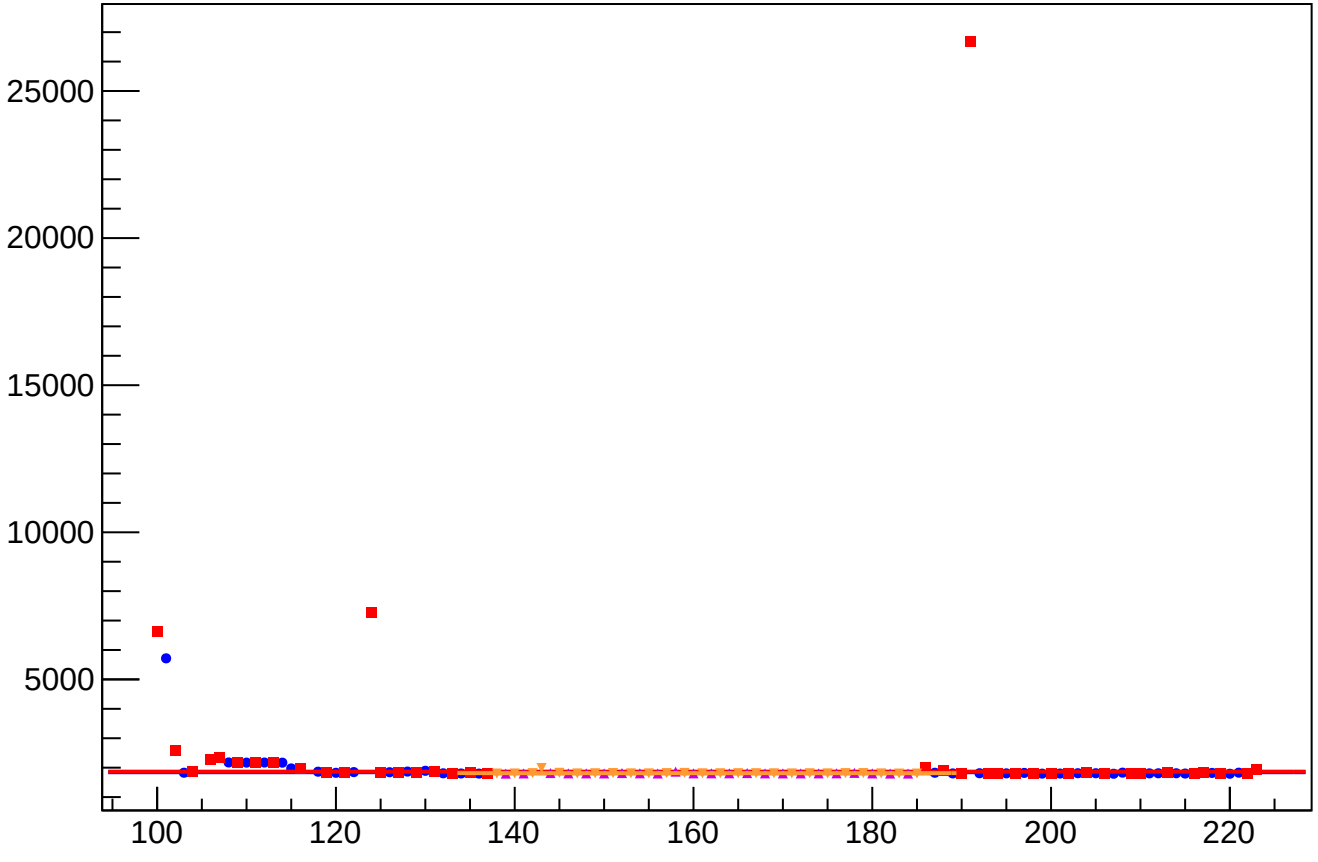
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -248.189+/-285.454 χ^2/NDF: 56.0/58

All: 45.747+/-202.875 χ^2/NDF: 120.8/120

\- sign 345.754+/-288.387 χ^2/NDF: 62.7/61

cor_asym_at1_dd_rms vs Slug



Right In: 1845.670+/-0.280 χ^2/NDF: 681930.1/33

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1864.178+/-0.279 χ^2/NDF: 770528.0/38

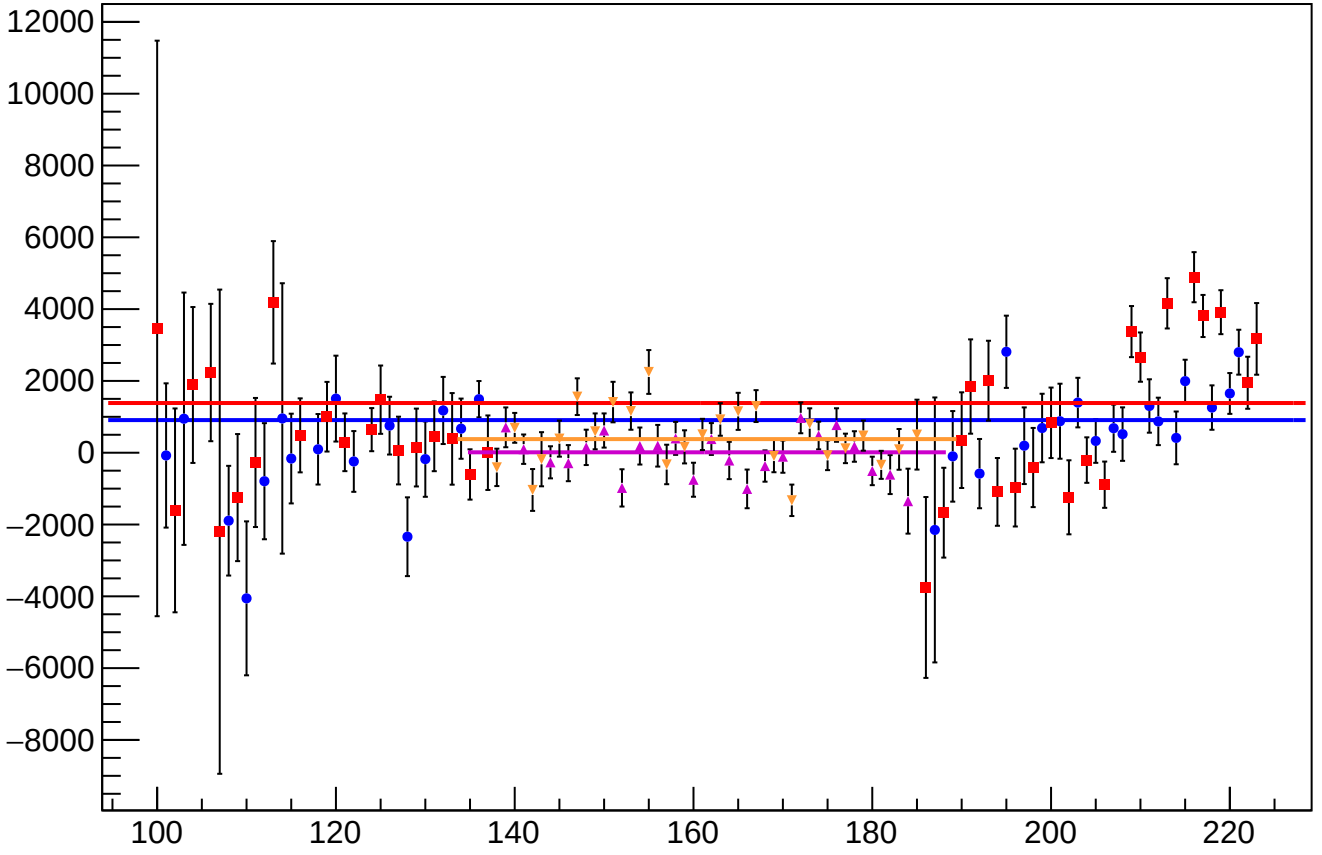
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.691+/-0.202 χ^2/NDF: 701009.1/58

All: 1834.889+/-0.143 χ^2/NDF: 1491645.7/12

- sign 1839.174+/-0.204 χ^2/NDF: 789762.4/61

asym_at1_dd_cor_correction_mean vs Slug



Right In: 908.715+/-146.564 χ^2/NDF: 49.8/33

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1384.357+/-149.473 χ^2/NDF: 167.6/38

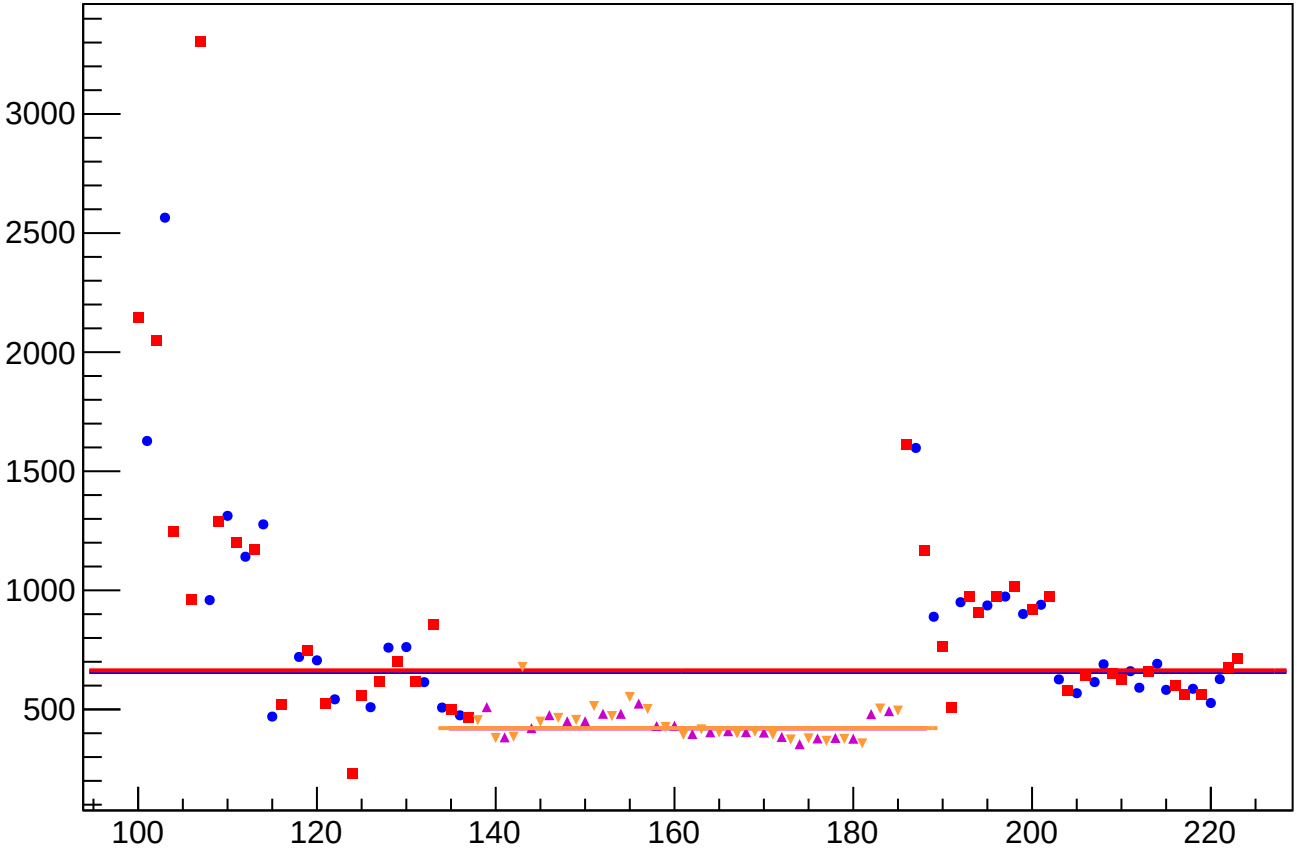
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 540.620+/-80.897 χ^2/NDF: 121.2/58

All: 486.405+/-57.769 χ^2/NDF: 379.5/120

- sign 429.988+/-82.524 χ^2/NDF: 257.4/61

asym_at1_dd_cor_correction_rms vs Slug



Right In: 657.210+/-0.104 χ^2/NDF: 3317593.2/33

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 664.071+/-0.106 χ^2/NDF: 4872258.9/38

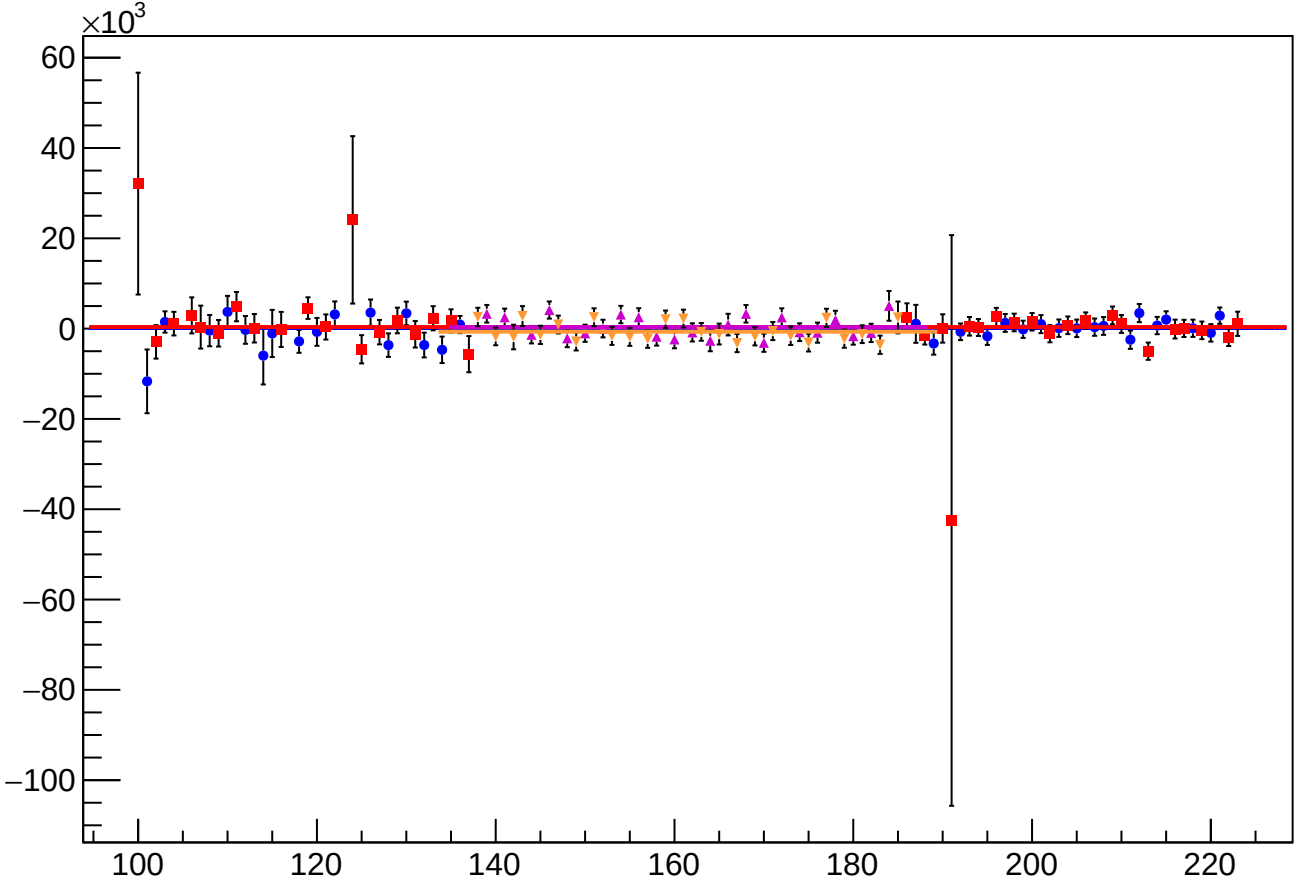
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 493.255+/-0.057 χ^2/NDF: 7659935.0/58

All: 493.888+/-0.041 χ^2/NDF: 16646111.2/12

- sign 494.547+/-0.058 χ^2/NDF: 8985926.1/61

eigen_cor_asym_at1_dd_mean vs Slug



Right In: 140.518+/-395.686 χ^2/NDF: 29.2/33

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 348.161+/-394.436 χ^2/NDF: 32.6/38

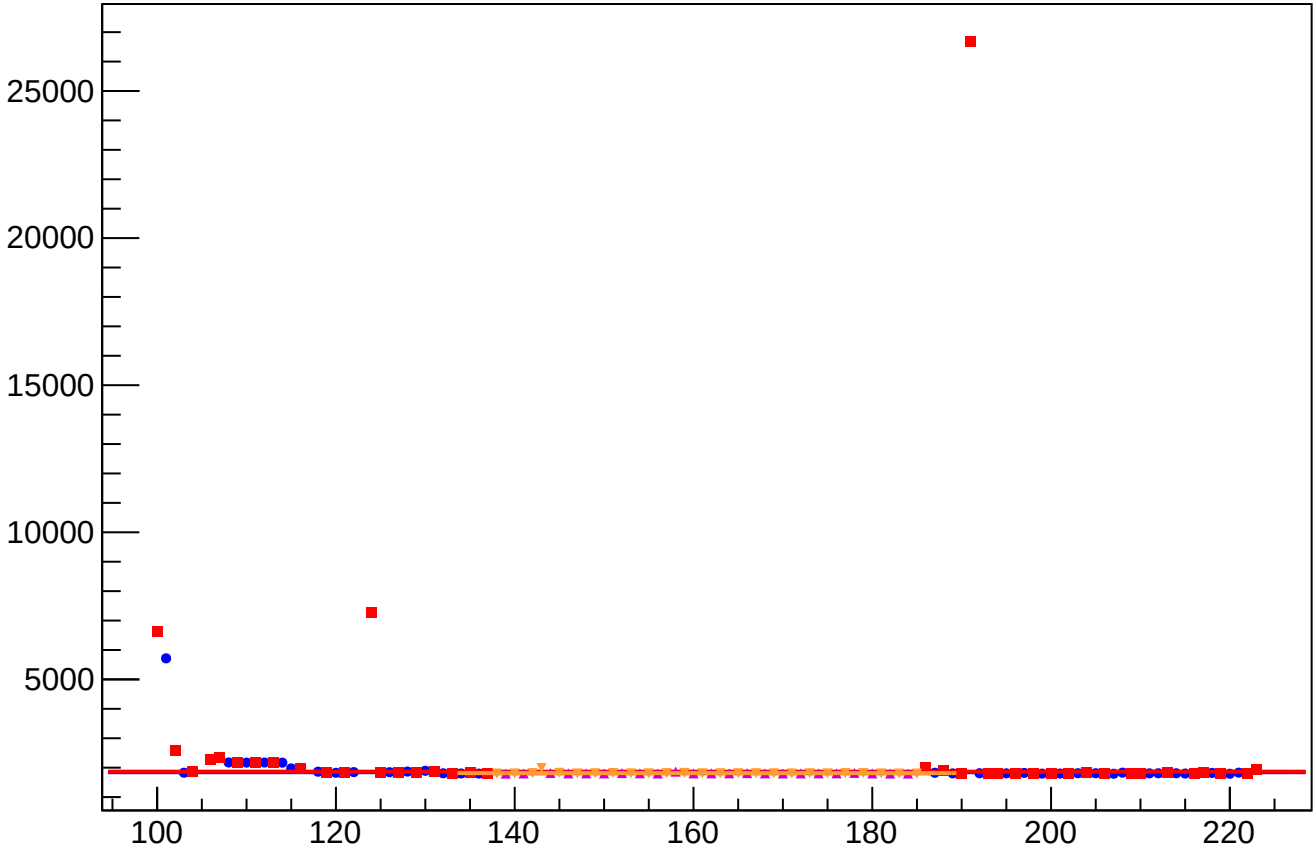
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -248.189+/-285.454 χ^2/NDF: 56.0/58

All: 45.747+/-202.875 χ^2/NDF: 120.8/120

- sign 345.754+/-288.387 χ^2/NDF: 62.7/61

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1845.670+/-0.280 χ^2/NDF: 681930.1/33

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

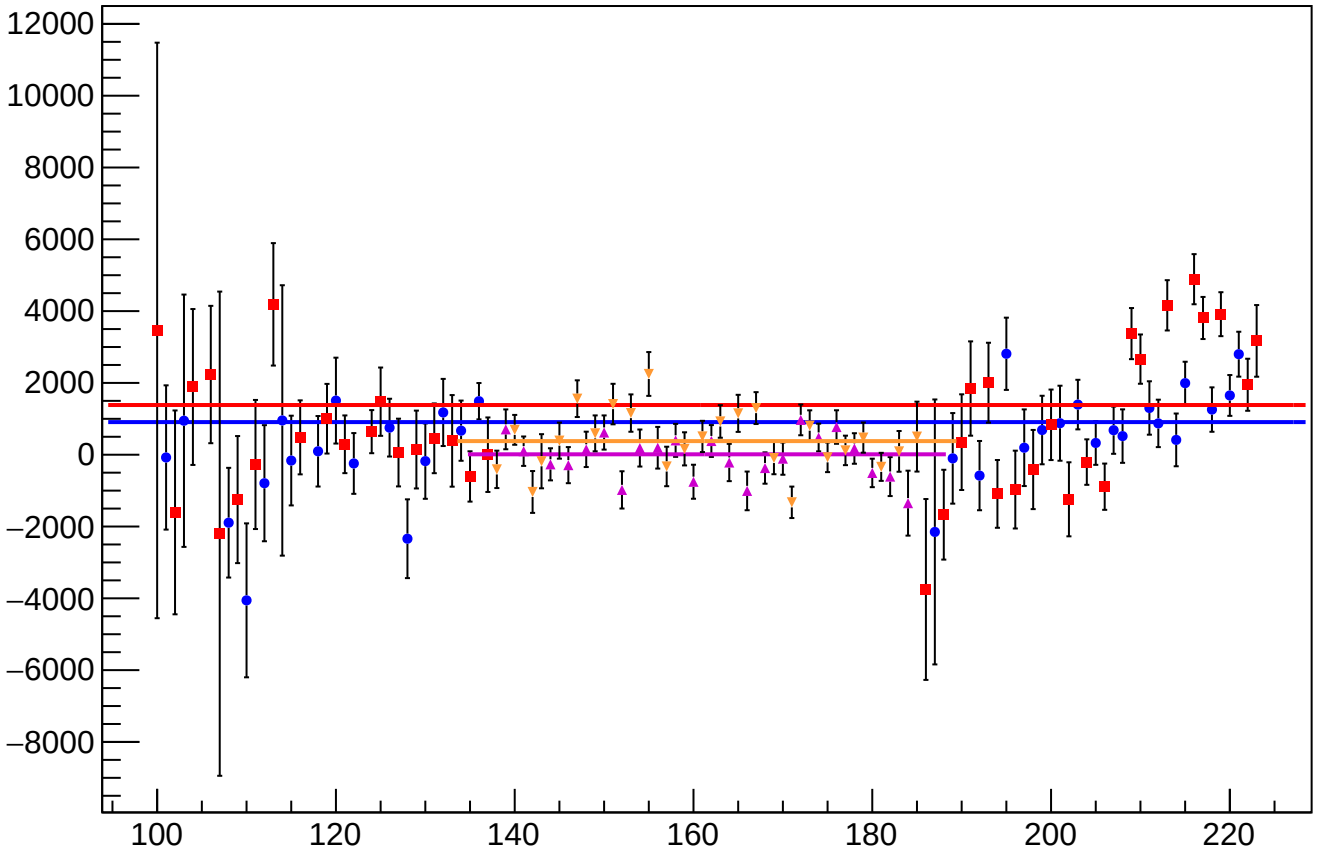
Right Out: 1864.178+/-0.279 χ^2/NDF: 770528.0/38

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.691+/-0.202 χ^2/NDF: 701009.1/58

All: 1834.889+/-0.143 χ^2/NDF: 1491645.7/12

- sign 1839.174+/-0.204 χ^2/NDF: 789762.4/61



Right In: 908.715+/-146.564 χ^2/NDF: 49.8/33

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1384.357+/-149.473 χ^2/NDF: 167.6/38

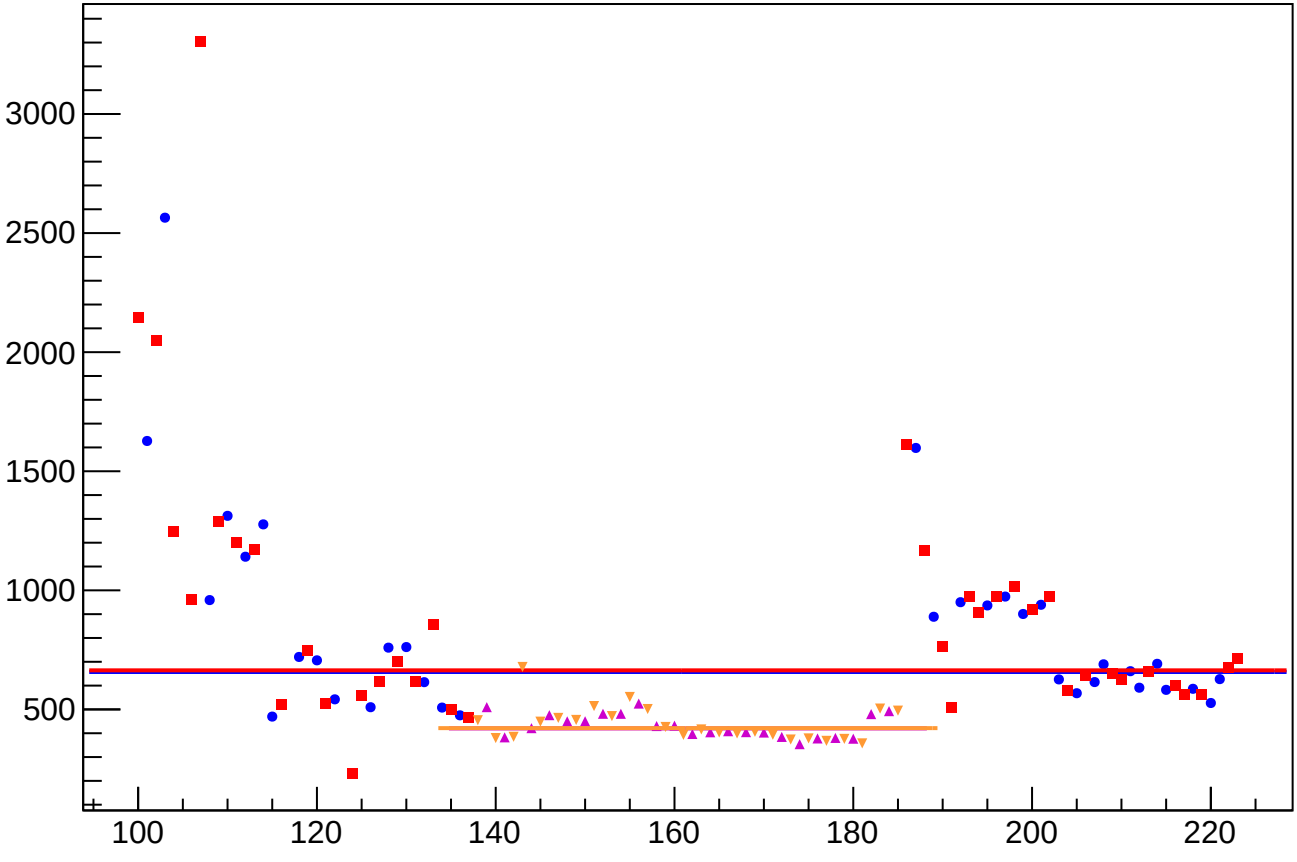
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 540.620+/-80.897 χ^2/NDF: 121.2/58

All: 486.405+/-57.769 χ^2/NDF: 379.5/120

- sign 429.988+/-82.524 χ^2/NDF: 257.4/61

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 657.210+/-0.104 χ^2/NDF: 3317593.2/33

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 664.071+/-0.106 χ^2/NDF: 4872258.9/38

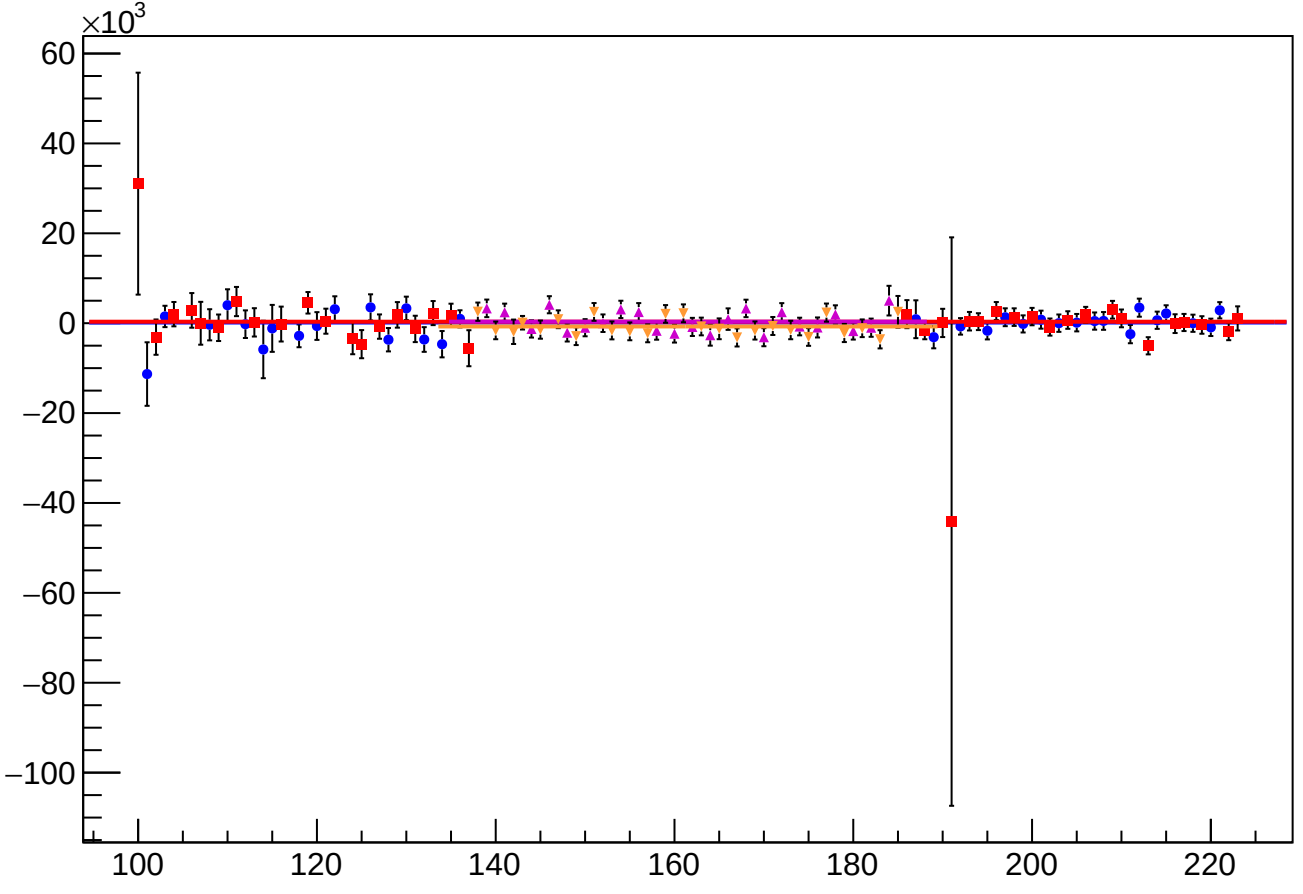
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 493.255+/-0.057 χ^2/NDF: 7659935.0/58

All: 493.888+/-0.041 χ^2/NDF: 16646111.2/12

- sign 494.547+/-0.058 χ^2/NDF: 8985926.1/61

dit_asym_at1_dd_mean vs Slug



Right In: 151.404+/-396.050 χ^2/NDF: 28.9/33

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 330.378+/-392.944 χ^2/NDF: 32.0/38

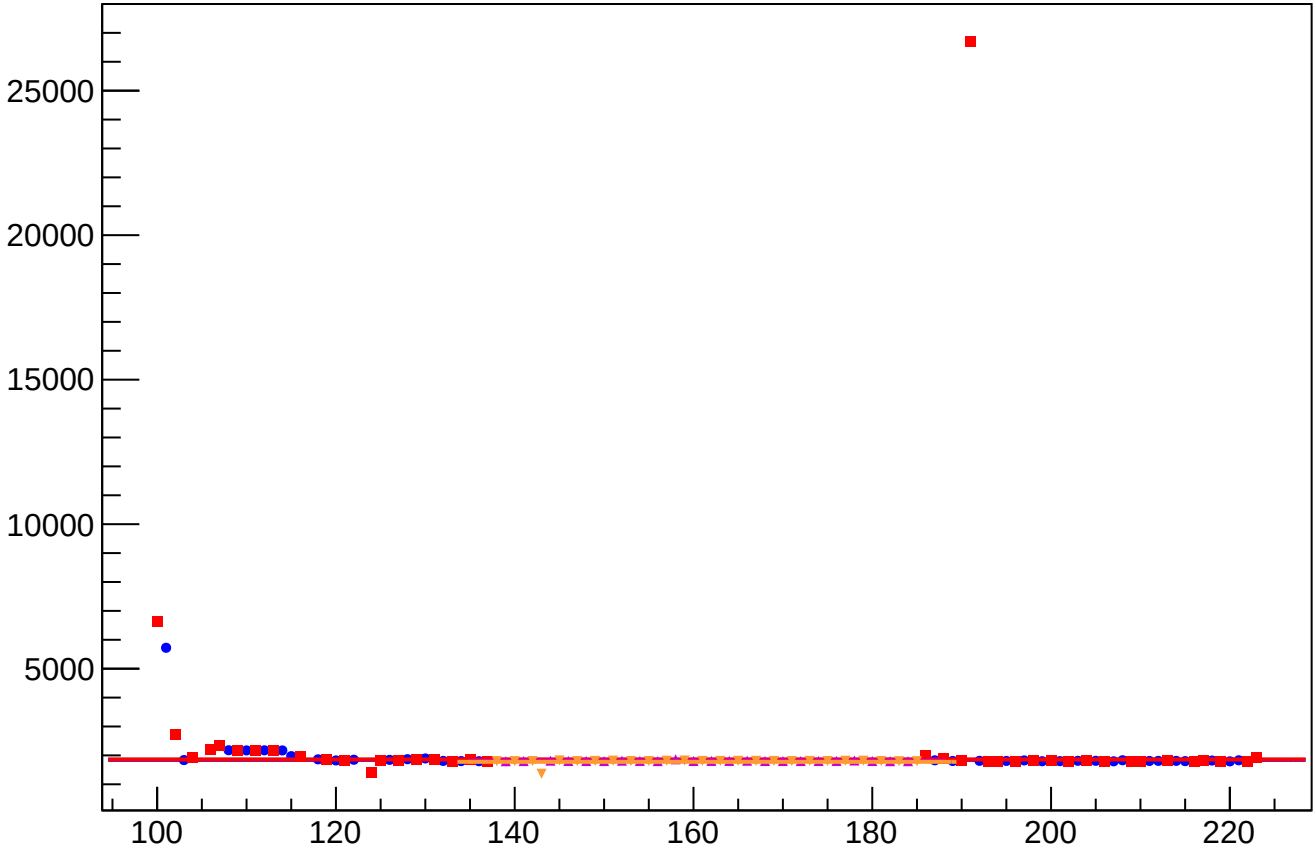
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -277.406+/-282.961 χ^2/NDF: 53.5/58

All: 23.753+/-201.790 χ^2/NDF: 117.4/120

- sign 335.403+/-287.848 χ^2/NDF: 61.6/61

dit_asym_at1_dd_rms vs Slug



Right In: 1847.278+/-0.280 χ^2/NDF: 681893.7/33

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1858.613+/-0.278 χ^2/NDF: 644053.4/38

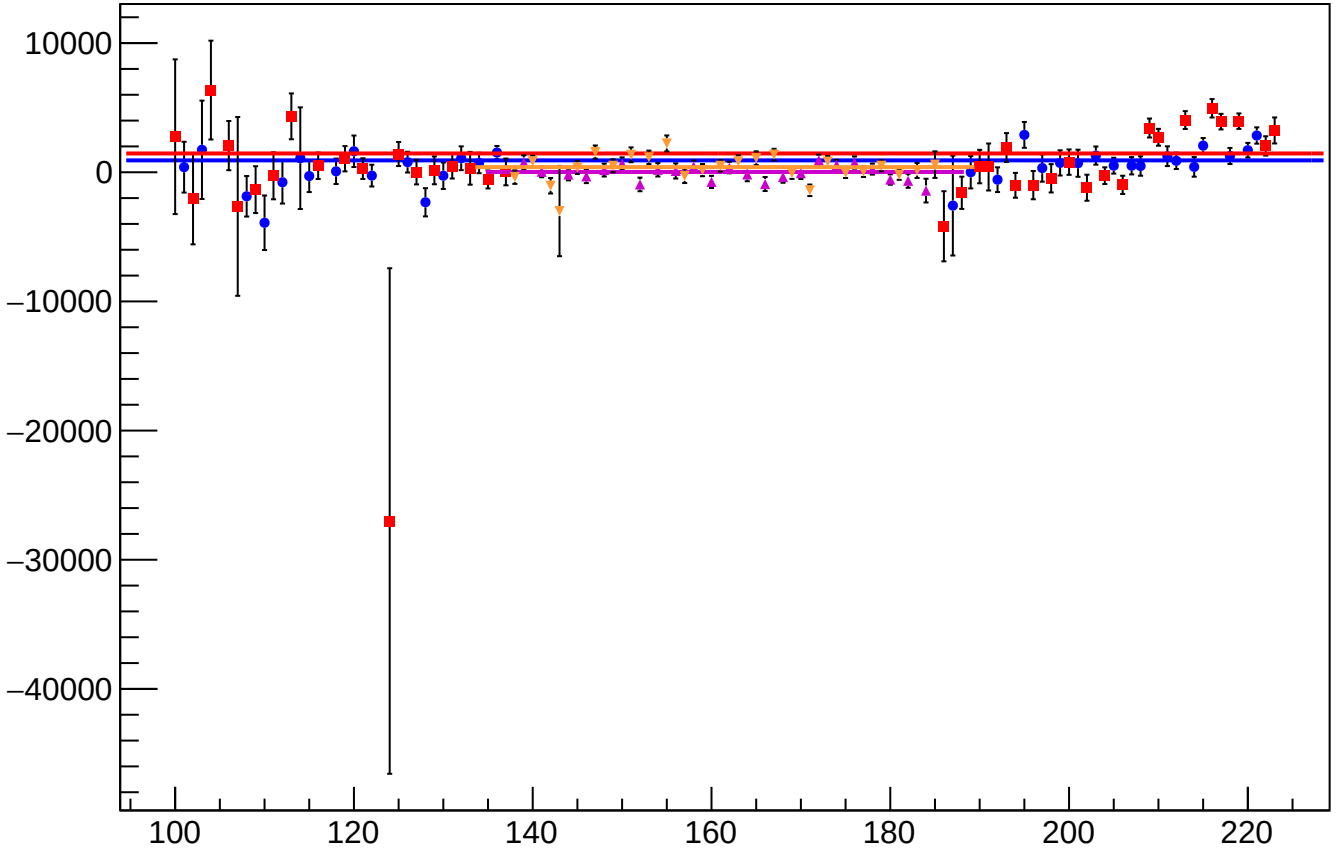
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.737+/-0.200 χ^2/NDF: 874262.8/58

All: 1824.459+/-0.143 χ^2/NDF: 1540824.0/12

- sign 1836.589+/-0.204 χ^2/NDF: 659577.5/61

asym_at1_dd_dit_correction_mean vs Slug



Right In: 919.814+/-146.652 χ^2/NDF: 50.7/33

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 1455.612+/-156.099 χ^2/NDF: 169.6/38

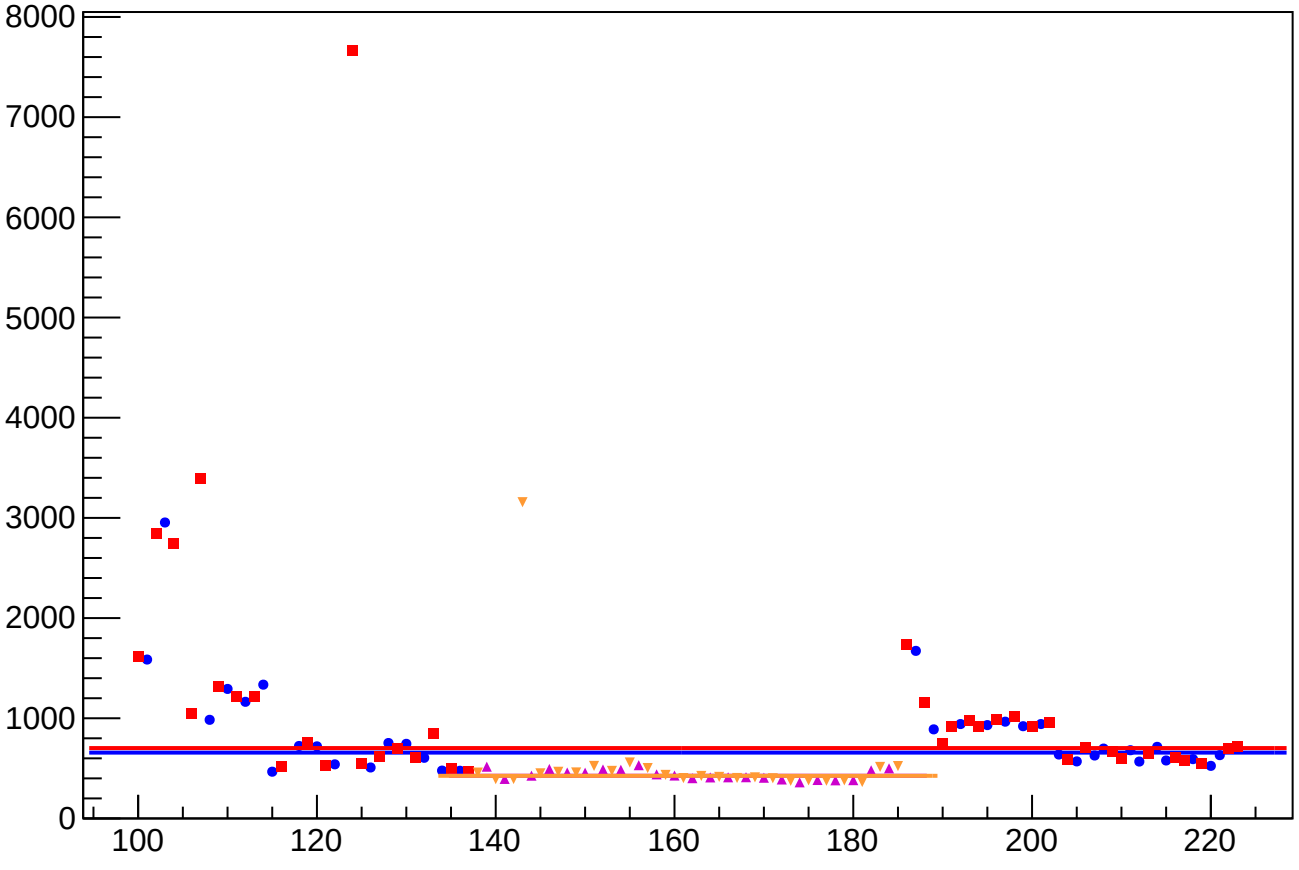
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 561.913+/-82.147 χ^2/NDF: 119.9/58

All: 502.735+/-58.854 χ^2/NDF: 381.1/120

- sign 440.324+/-84.361 χ^2/NDF: 260.2/61

asym_at1_dd_dit_correction_rms vs Slug



Right In: 657.296+/-0.104 χ^2/NDF: 3529824.2/33

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 702.553+/-0.110 χ^2/NDF: 4797121.3/38

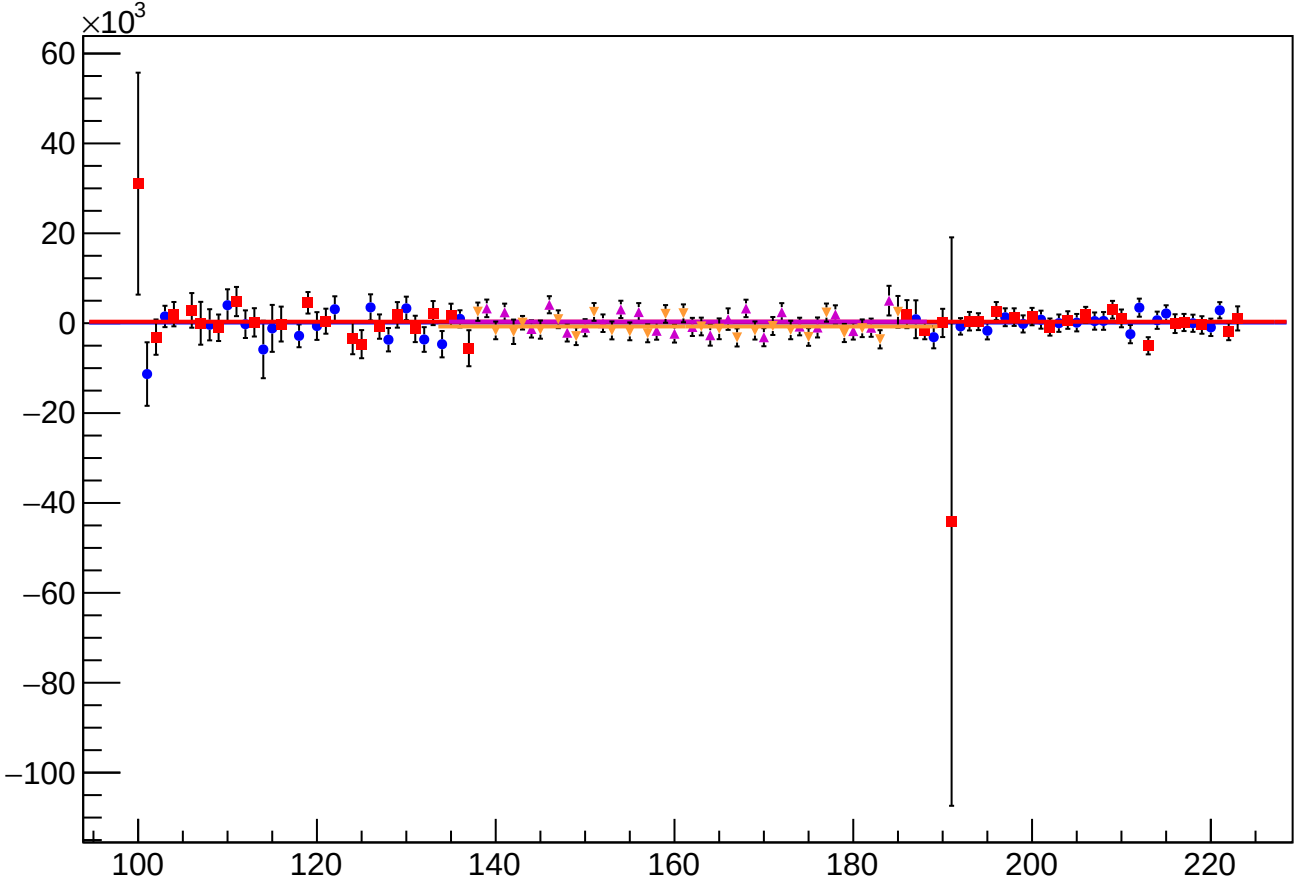
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 498.365+/-0.058 χ^2/NDF: 8670901.6/58

All: 502.507+/-0.042 χ^2/NDF: 18333304.3/12

- sign 506.874+/-0.060 χ^2/NDF: 9651958.2/61

eigen_dit_asym_at1_dd_mean vs Slug



Right In: 151.401+/-396.050 χ^2/NDF: 28.9/33

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 330.376+/-392.944 χ^2/NDF: 32.0/38

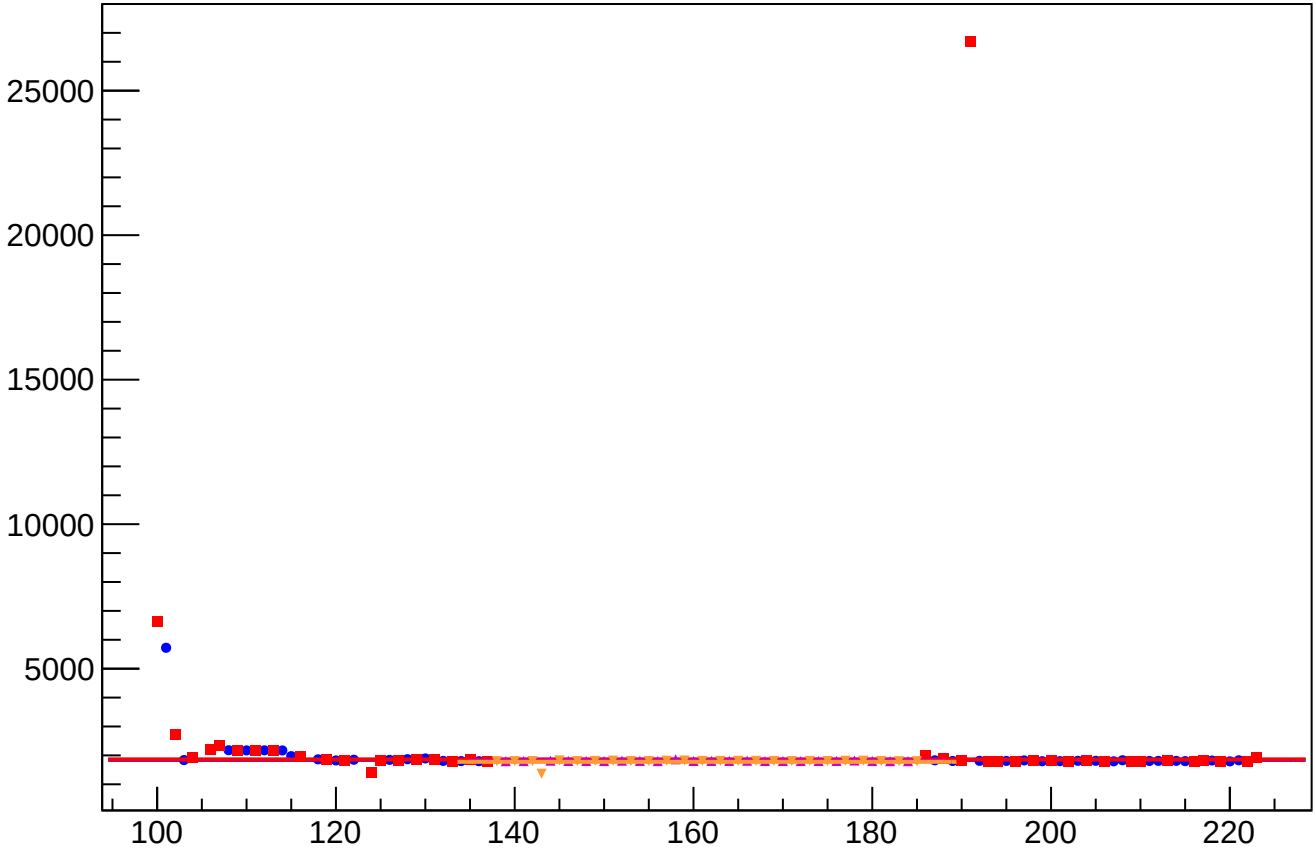
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -277.407+/-282.961 χ^2/NDF: 53.5/58

All: 23.751+/-201.790 χ^2/NDF: 117.4/120

- sign 335.402+/-287.848 χ^2/NDF: 61.6/61

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1847.278+/-0.280 χ^2/NDF: 681893.7/33

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1858.613+/-0.278 χ^2/NDF: 644053.2/38

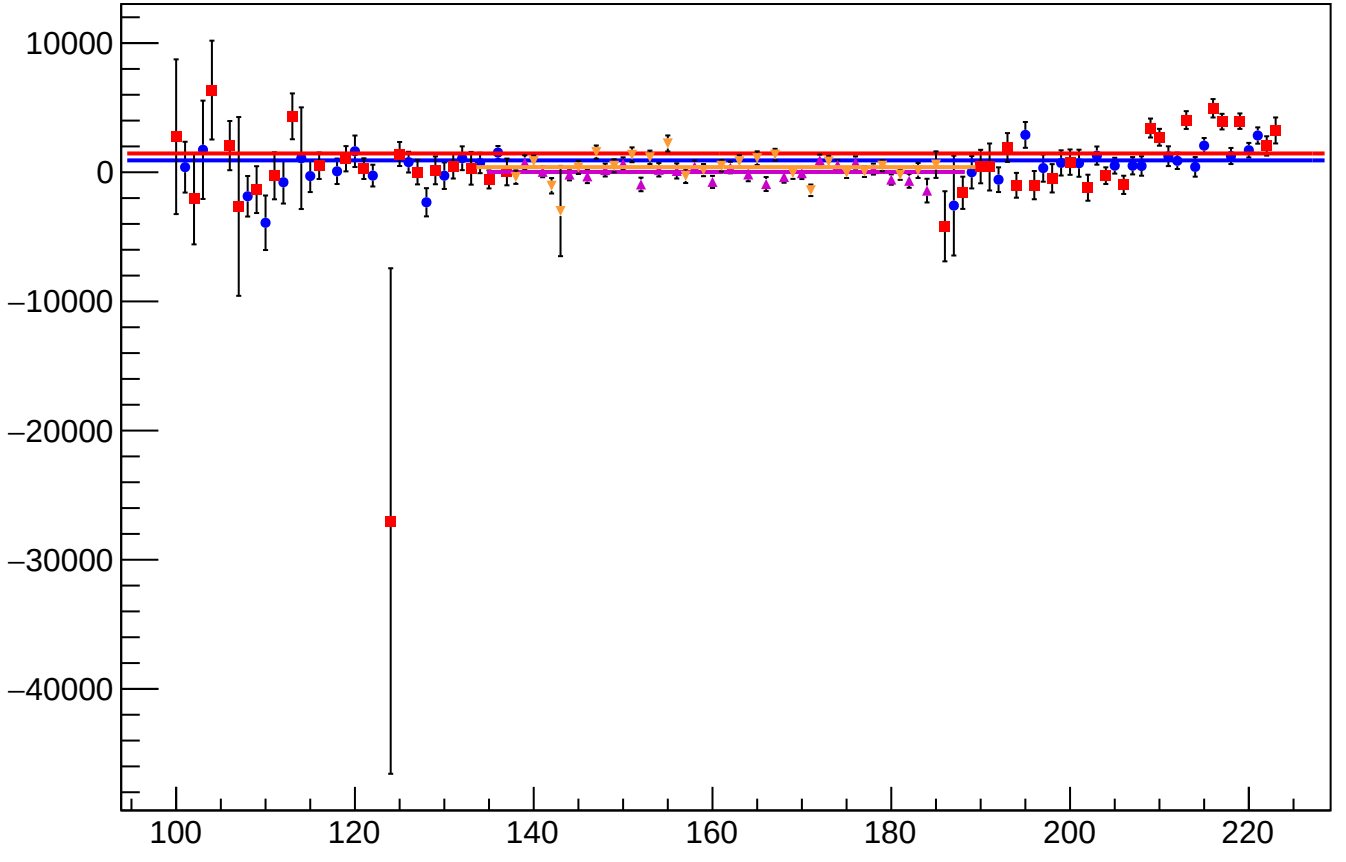
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.737+/-0.200 χ^2/NDF: 874262.8/58

All: 1824.459+/-0.143 χ^2/NDF: 1540823.8/12

- sign 1836.589+/-0.204 χ^2/NDF: 659577.3/61

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 919.811+/-146.652 χ^2/NDF: 50.7/33

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 1455.608+/-156.099 χ^2/NDF: 169.6/38

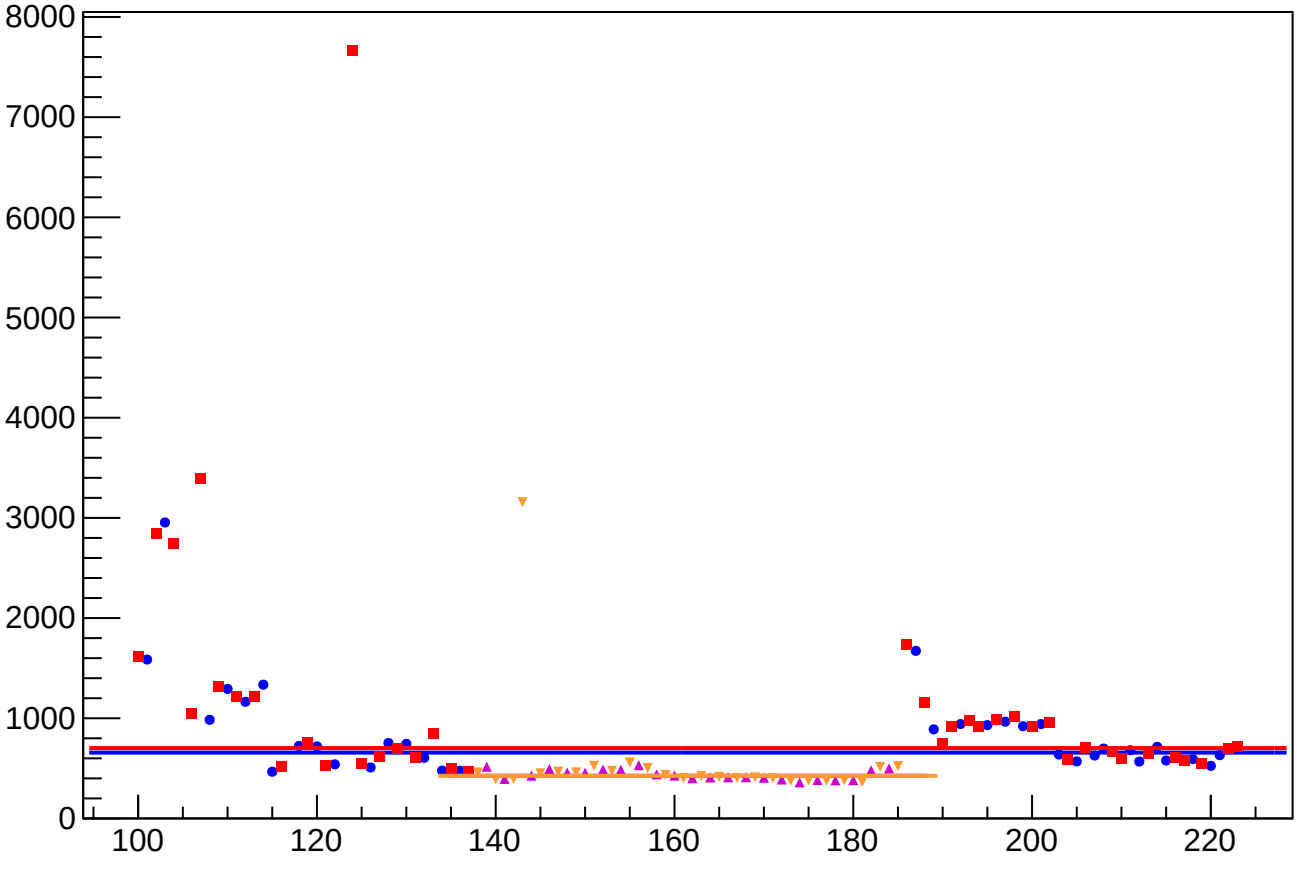
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 561.911+/-82.147 χ^2/NDF: 119.9/58

All: 502.733+/-58.854 χ^2/NDF: 381.1/120

- sign 440.322+/-84.361 χ^2/NDF: 260.2/61

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 657.296+/-0.104 χ^2/NDF: 3529822.8/33

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 702.554+/-0.110 χ^2/NDF: 4797116.9/38

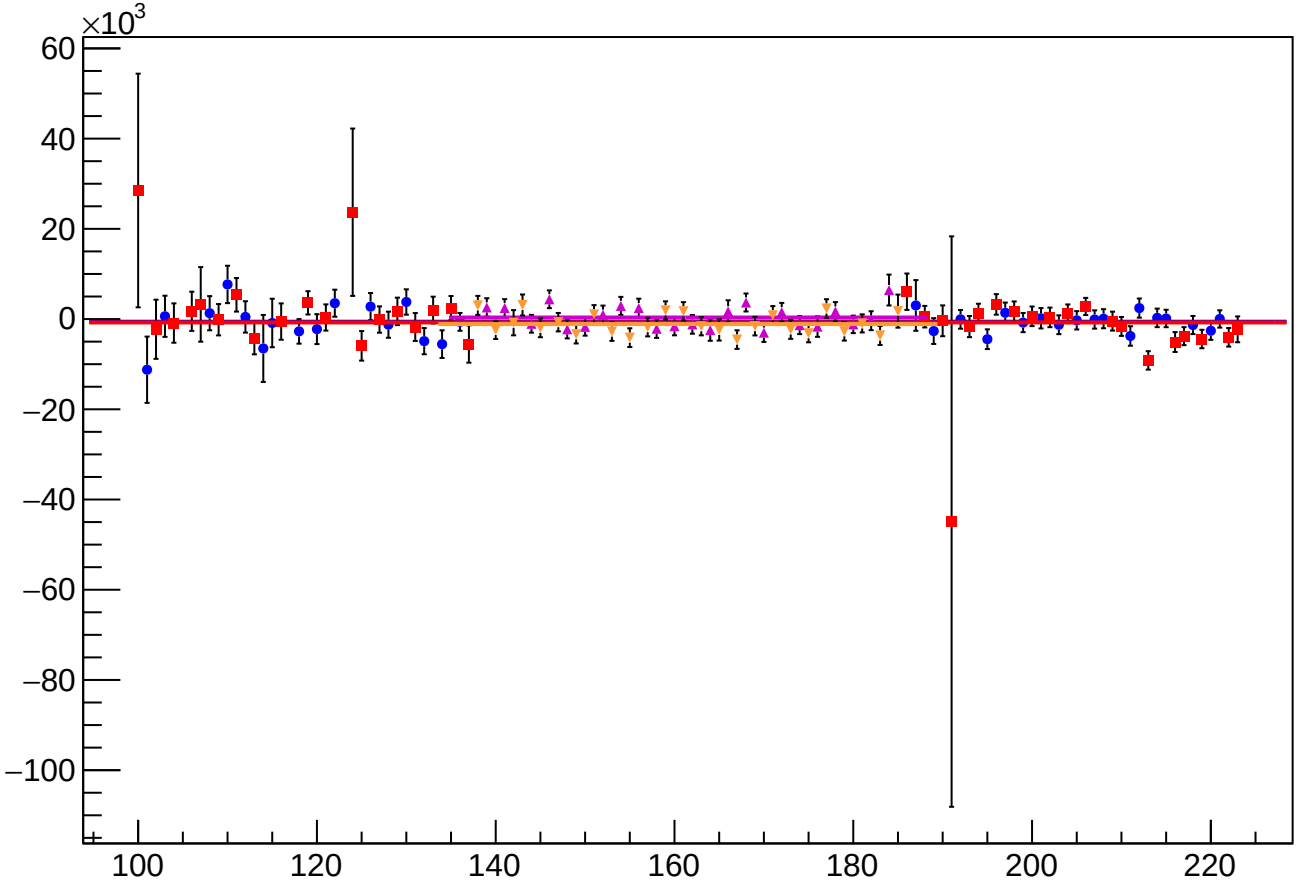
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 498.365+/-0.058 χ^2/NDF: 8670921.4/58

All: 502.507+/-0.042 χ^2/NDF: 18333343.5/12

- sign 506.874+/-0.060 χ^2/NDF: 9651977.3/61

asym_at1_dd_mean vs Slug



Right In: -587.314+/-432.058 χ^2/NDF: 29.4/33

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -744.868+/-436.489 χ^2/NDF: 60.5/38

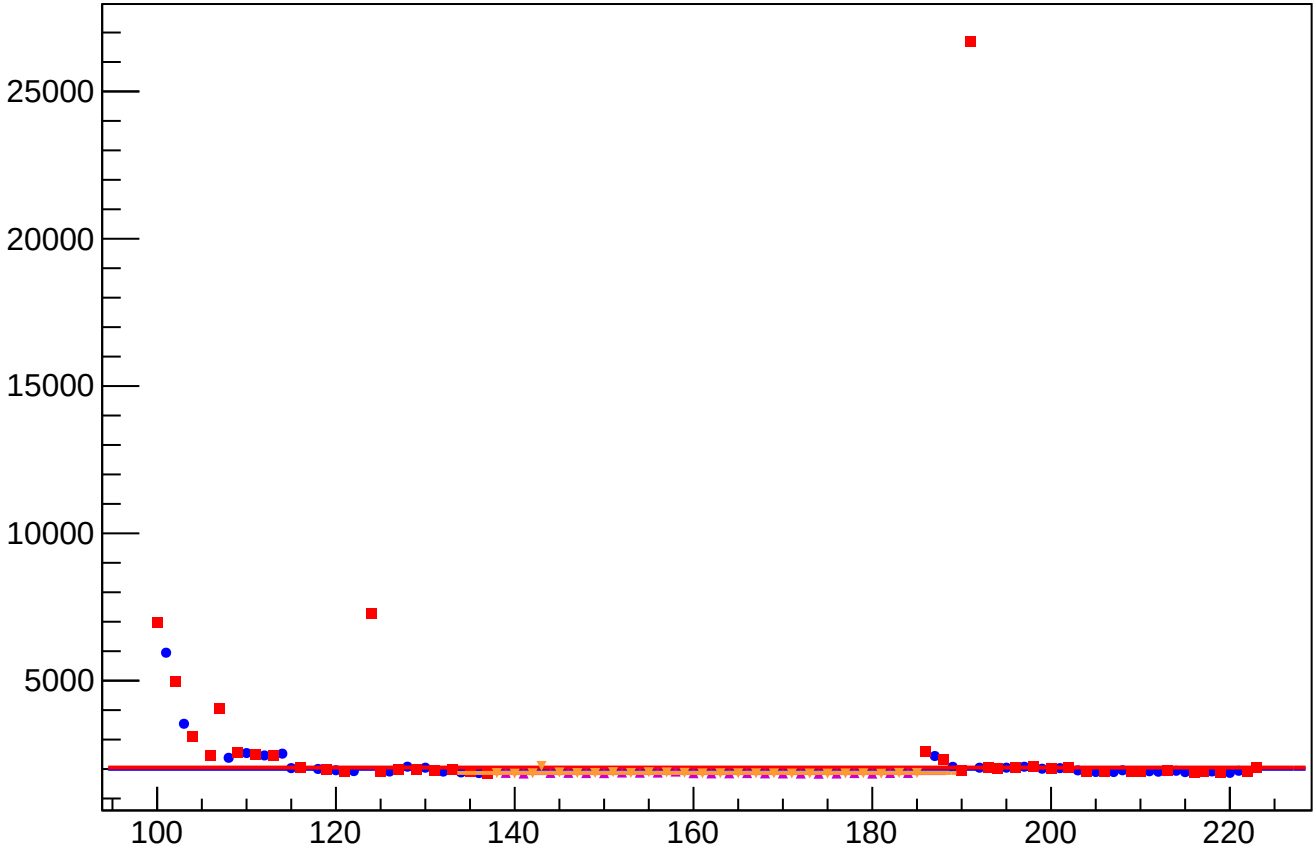
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

\+ sign -851.037+/-302.857 χ^2/NDF: 58.1/58

All: -529.645+/-215.981 χ^2/NDF: 152.9/120

\- sign -197.034+/-308.098 χ^2/NDF: 92.5/61

asym_at1_dd_rms vs Slug



Right In: 2007.977+/-0.306 χ^2/NDF: 980137.2/33

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2049.885+/-0.309 χ^2/NDF: 1452724.4/38

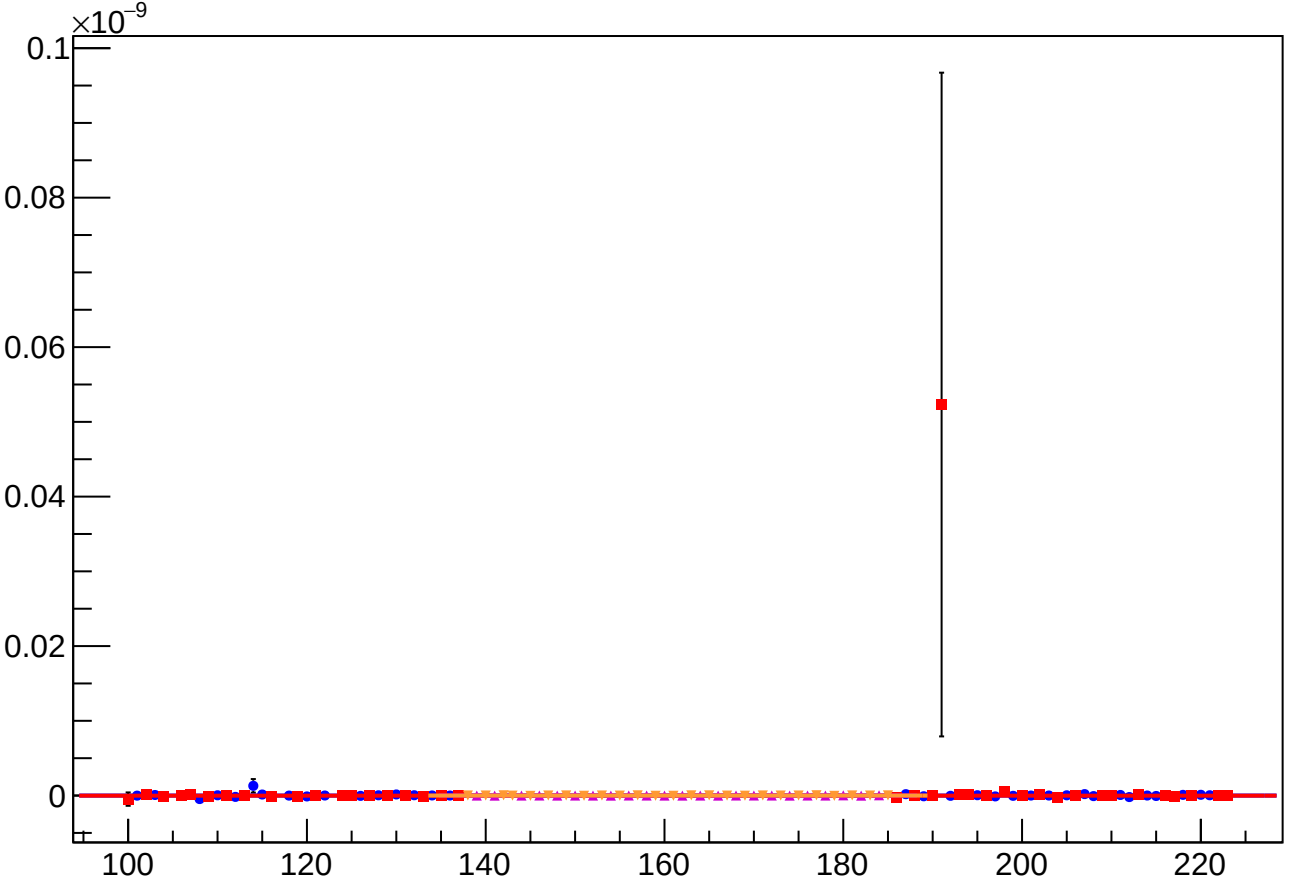
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1937.257+/-0.214 χ^2/NDF: 1108798.3/58

All: 1946.480+/-0.153 χ^2/NDF: 2752315.5/12

- sign 1956.026+/-0.218 χ^2/NDF: 1639742.3/61

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 40.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/38

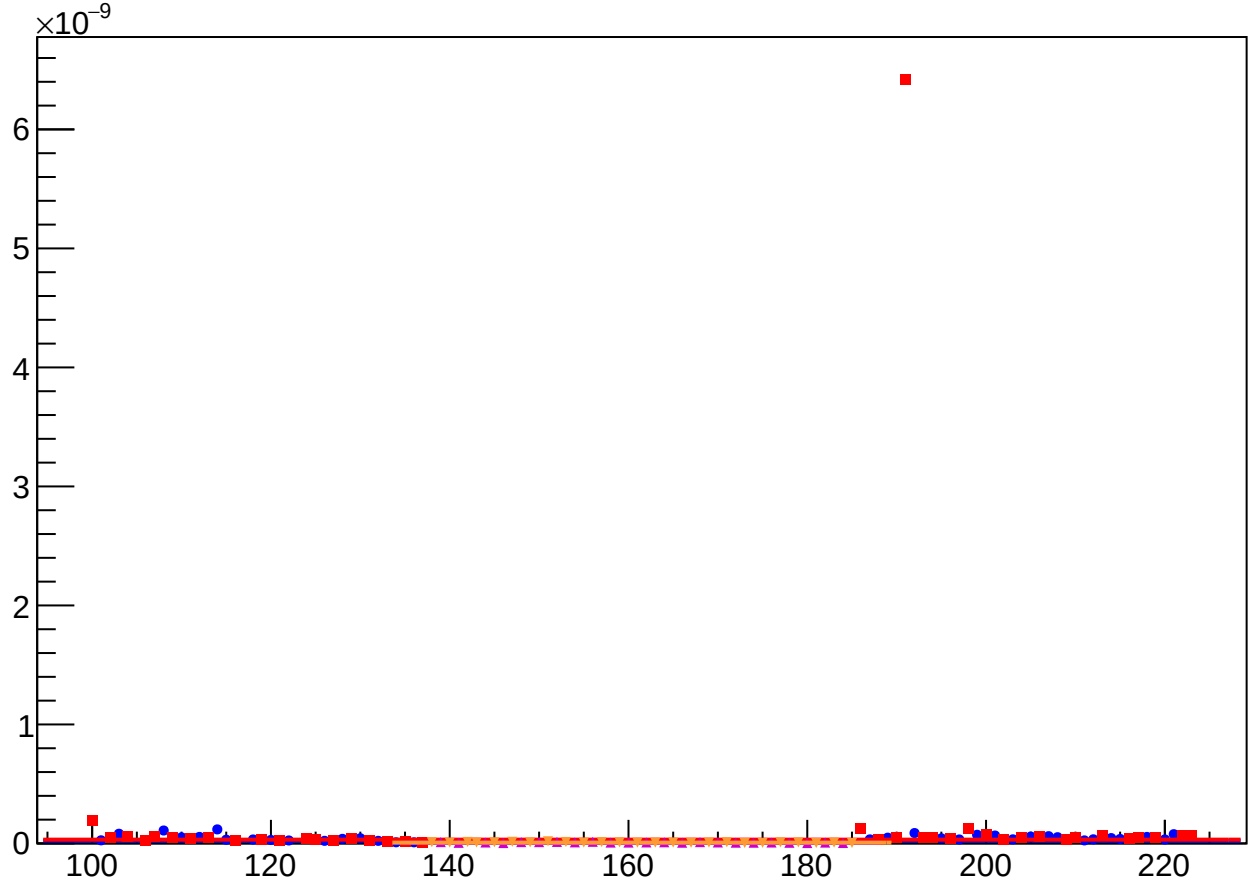
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.9/58

All: 0.000+/-0.000 χ^2/NDF: 138.5/120

- sign 0.000+/-0.000 χ^2/NDF: 55.0/61

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6167235.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4331506.3/38

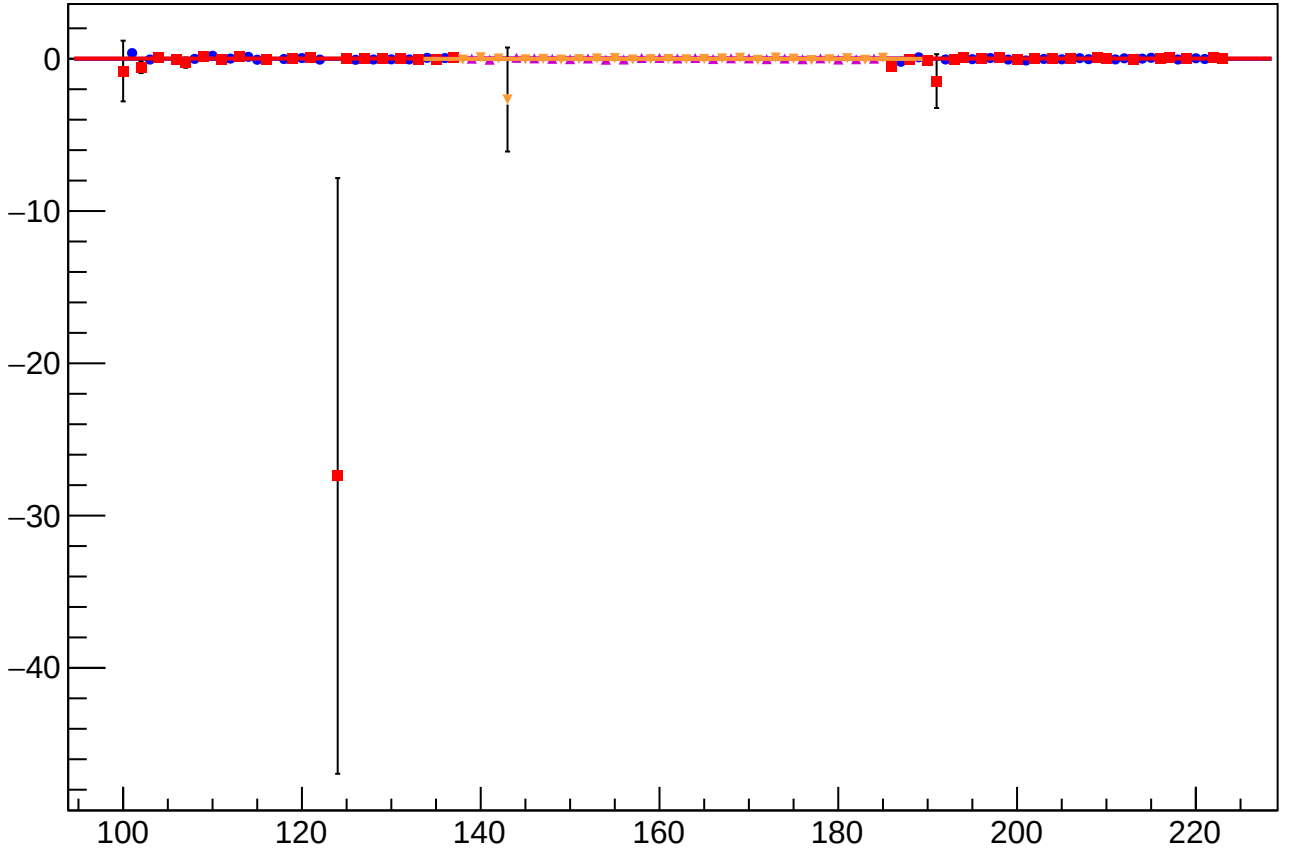
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12820847.4/58

All: 0.000+/-0.000 χ^2/NDF: 26075859.5/120

- sign 0.000+/-0.000 χ^2/NDF: 13252176.8/61

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.010 χ^2/NDF: 33.8/33

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.015+/-0.010 χ^2/NDF: 31.7/38

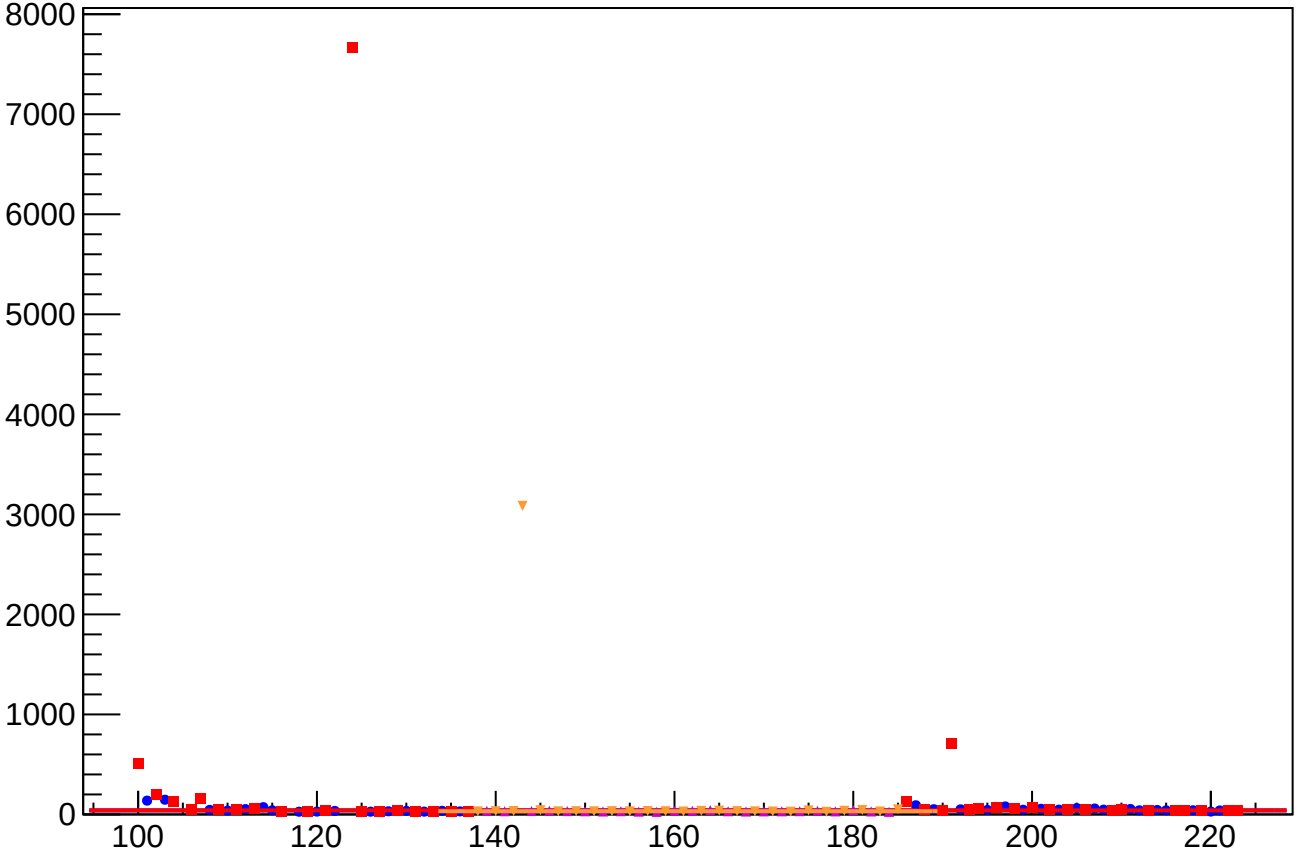
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.006 χ^2/NDF: 73.7/58

All: 0.001+/-0.004 χ^2/NDF: 129.9/120

- sign 0.008+/-0.006 χ^2/NDF: 53.4/61

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.359+/-0.007 χ^2/NDF: 3589942.6/33

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

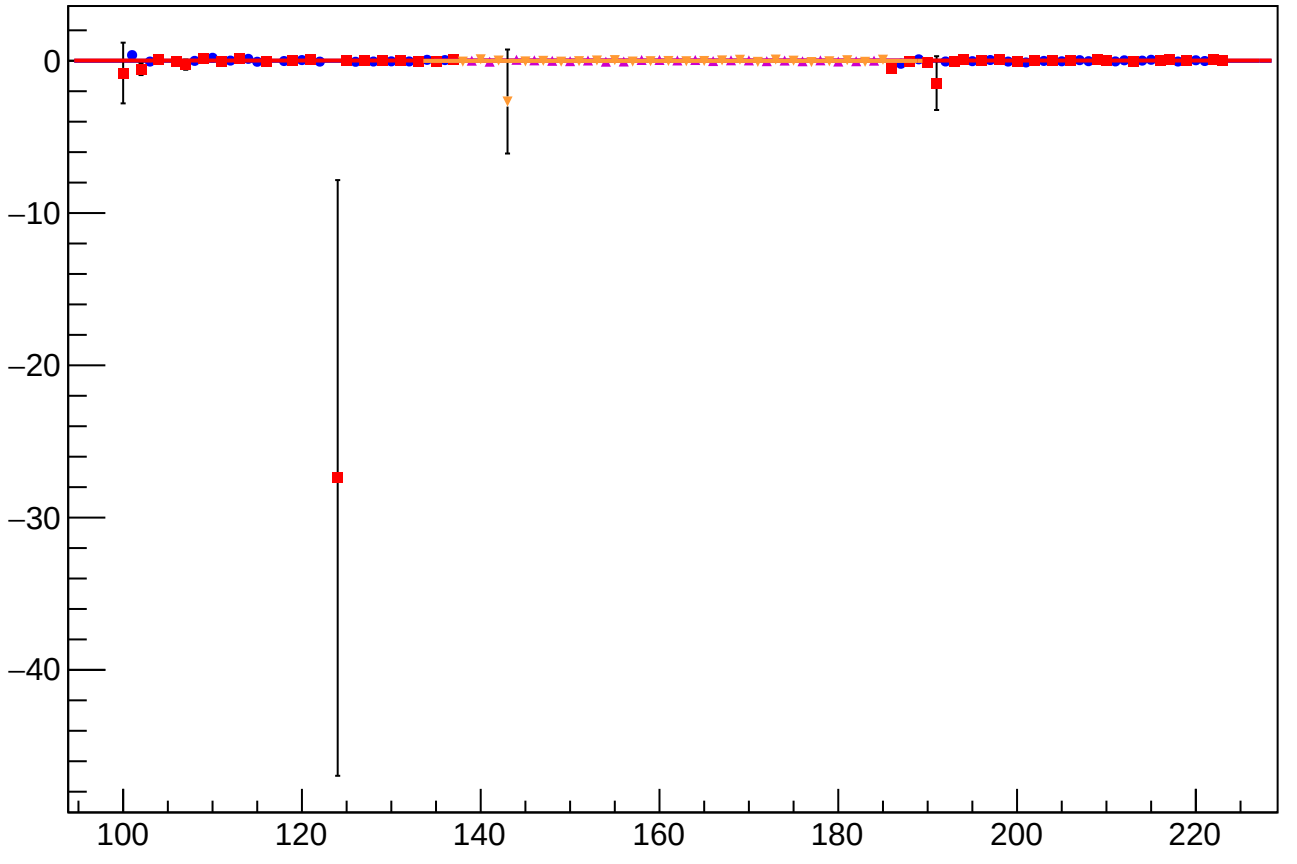
Right Out: 41.037+/-0.007 χ^2/NDF: 4366143.8/38

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.636+/-0.004 χ^2/NDF: 6511940.5/58

All: 35.790+/-0.003 χ^2/NDF: 12191705.0/120

- sign 35.949+/-0.005 χ^2/NDF: 5677311.3/61



Right In: -0.002+/-0.010 χ^2/NDF: 33.8/33

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.015+/-0.010 χ^2/NDF: 31.7/38

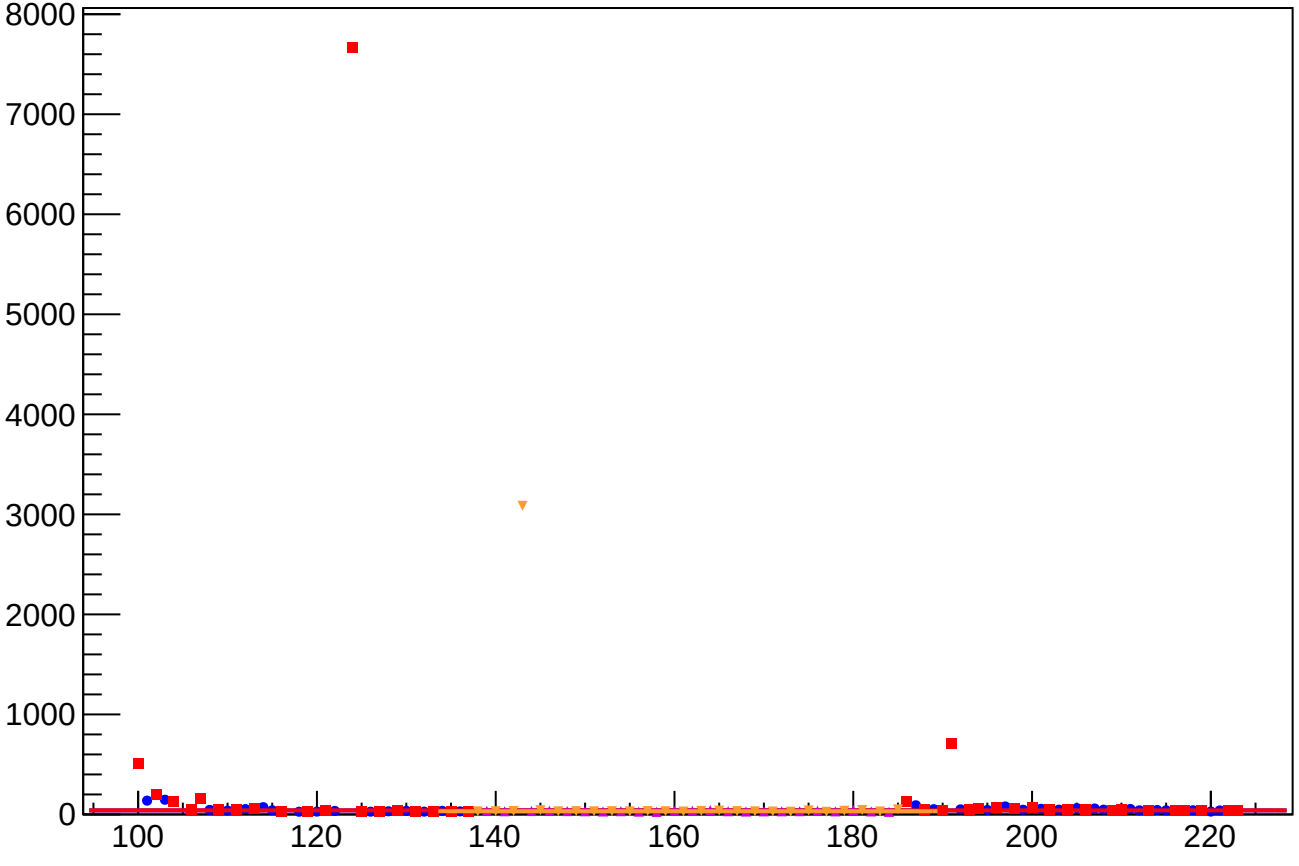
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.006 χ^2/NDF: 73.7/58

All: 0.001+/-0.004 χ^2/NDF: 129.9/120

- sign 0.008+/-0.006 χ^2/NDF: 53.4/61

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.359+/-0.007 χ^2/NDF: 3589942.6/33

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

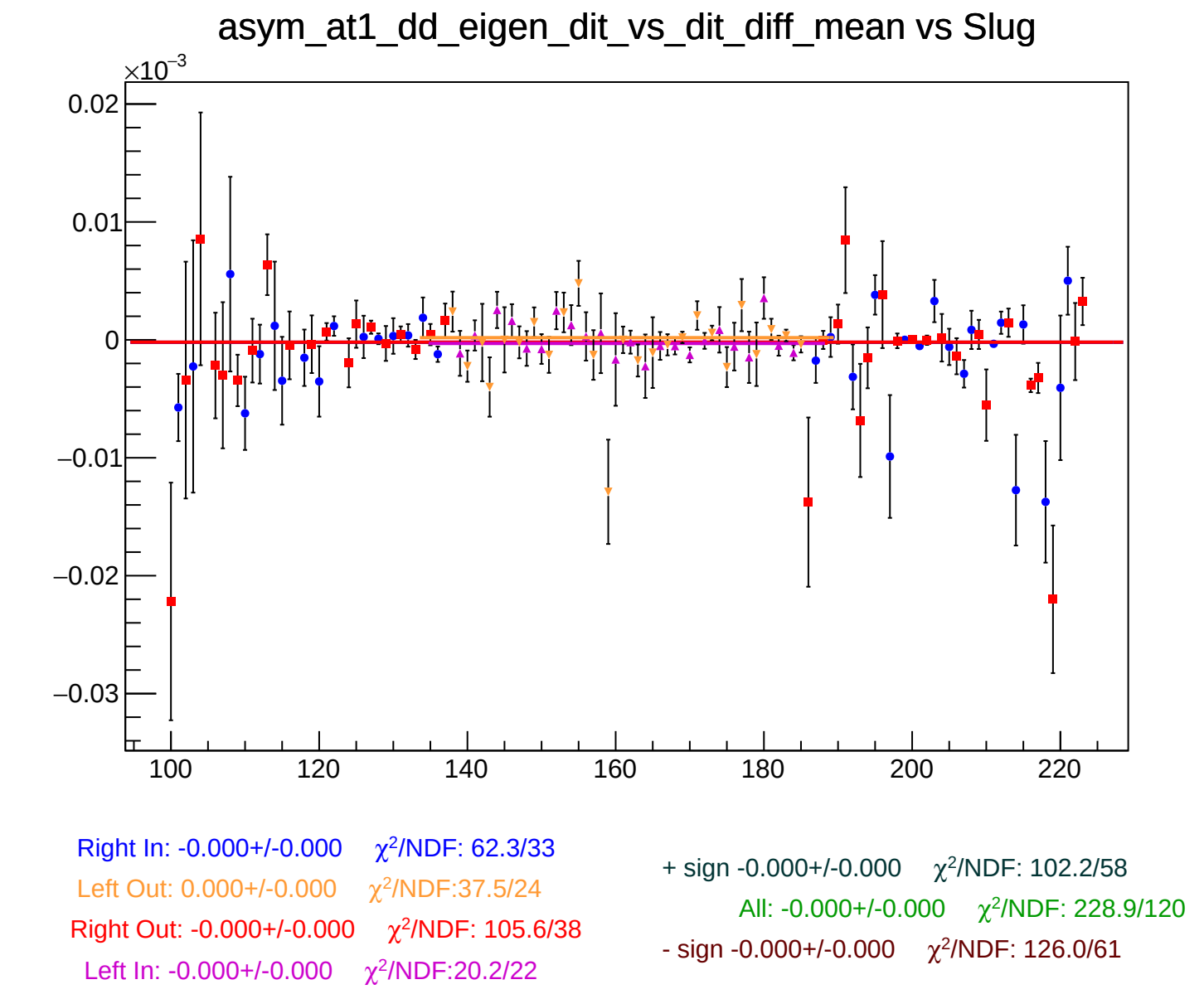
Right Out: 41.037+/-0.007 χ^2/NDF: 4366143.8/38

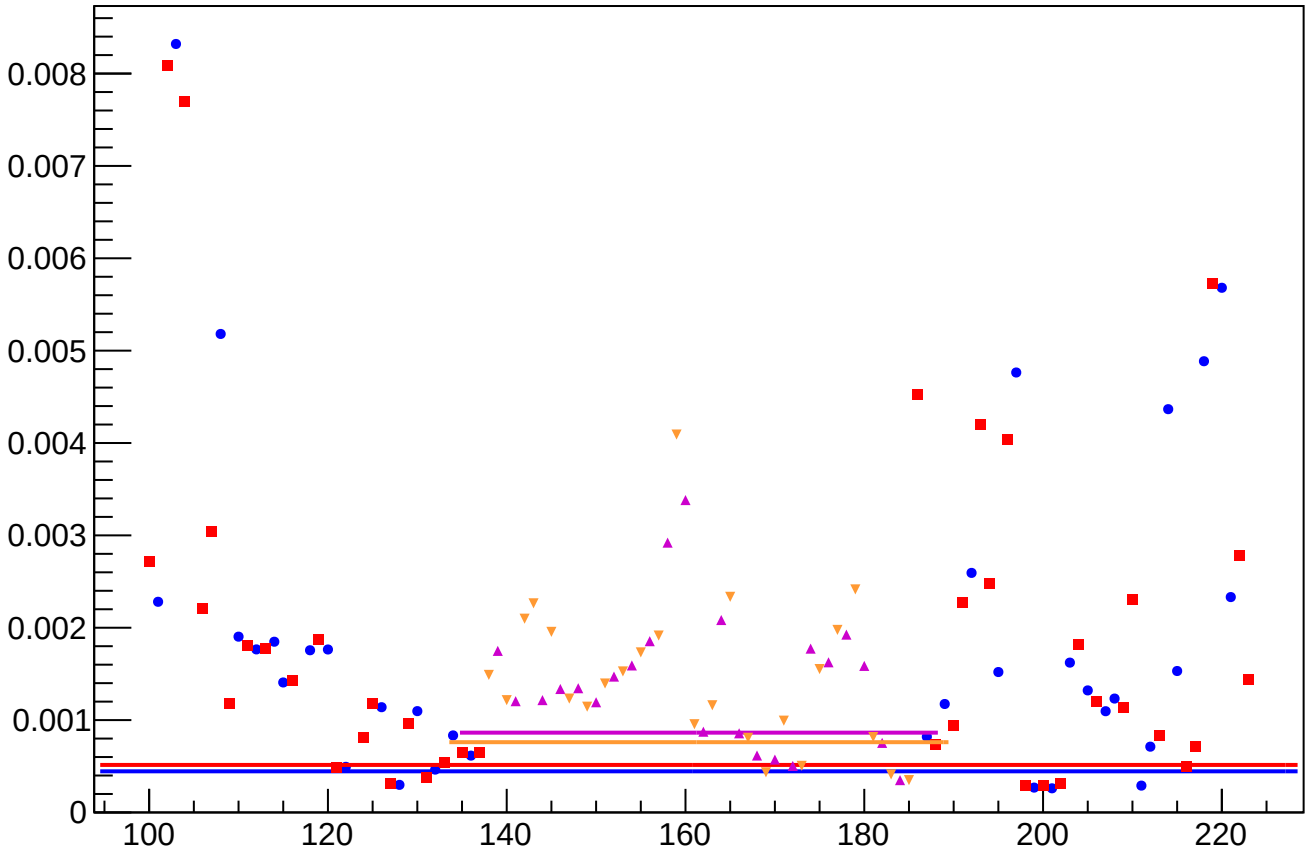
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

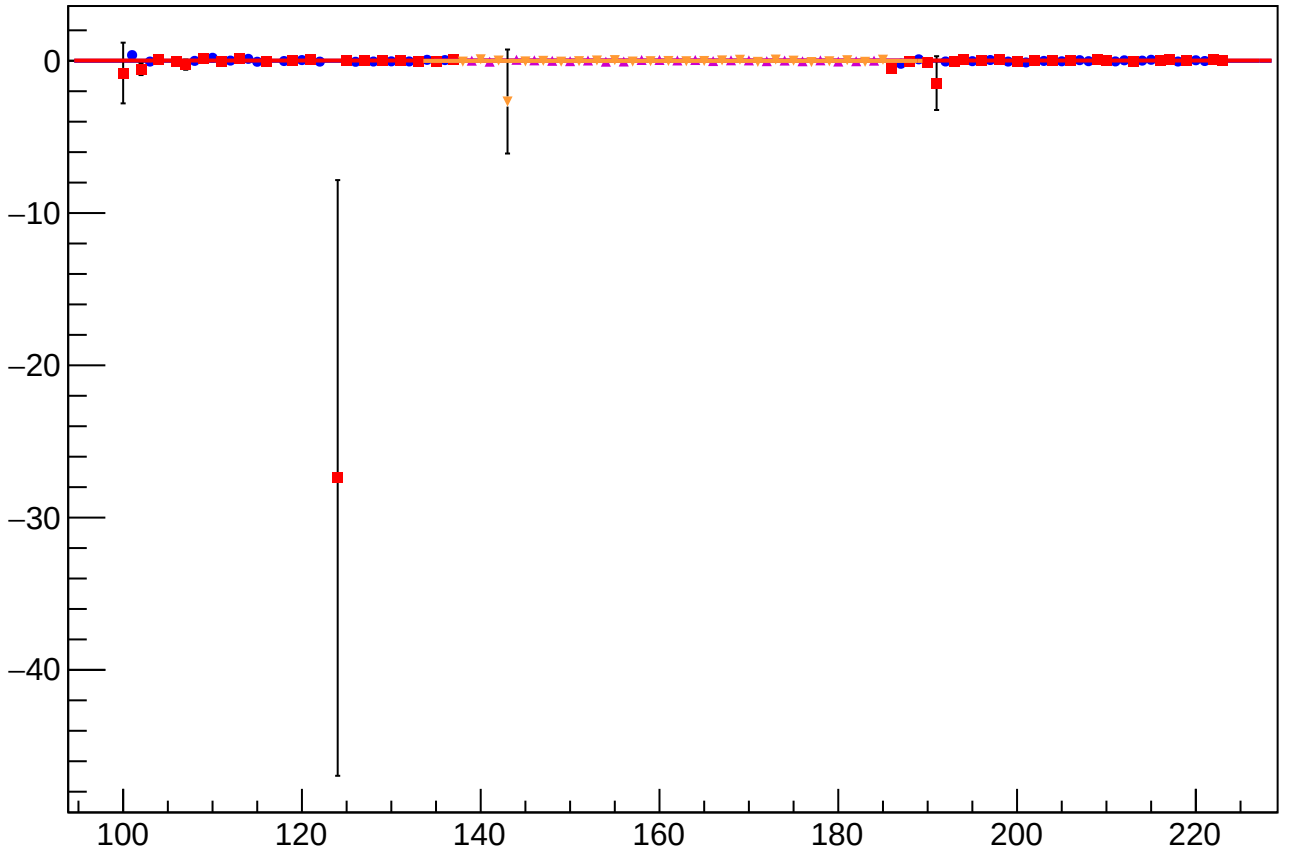
+ sign 35.636+/-0.004 χ^2/NDF: 6511940.5/58

All: 35.790+/-0.003 χ^2/NDF: 12191705.0/120

- sign 35.949+/-0.005 χ^2/NDF: 5677311.3/61


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
220
Right In: -0.000+/-0.000 χ²/NDF: 62.3/33
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 105.6/38
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign -0.000+/-0.000 χ²/NDF: 102.2/58
All: -0.000+/-0.000 χ²/NDF: 228.9/120
- sign -0.000+/-0.000 χ²/NDF: 126.0/61


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
220
Right In: 0.000+/-0.000 χ²/NDF: 20654408.7/33
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 17580905.2/38
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 34792093.6/58
All: 0.001+/-0.000 χ²/NDF: 64167364.3/120
- sign 0.001+/-0.000 χ²/NDF: 28992777.9/61



Right In: -0.002+/-0.010 χ^2/NDF: 33.8/33

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.015+/-0.010 χ^2/NDF: 31.7/38

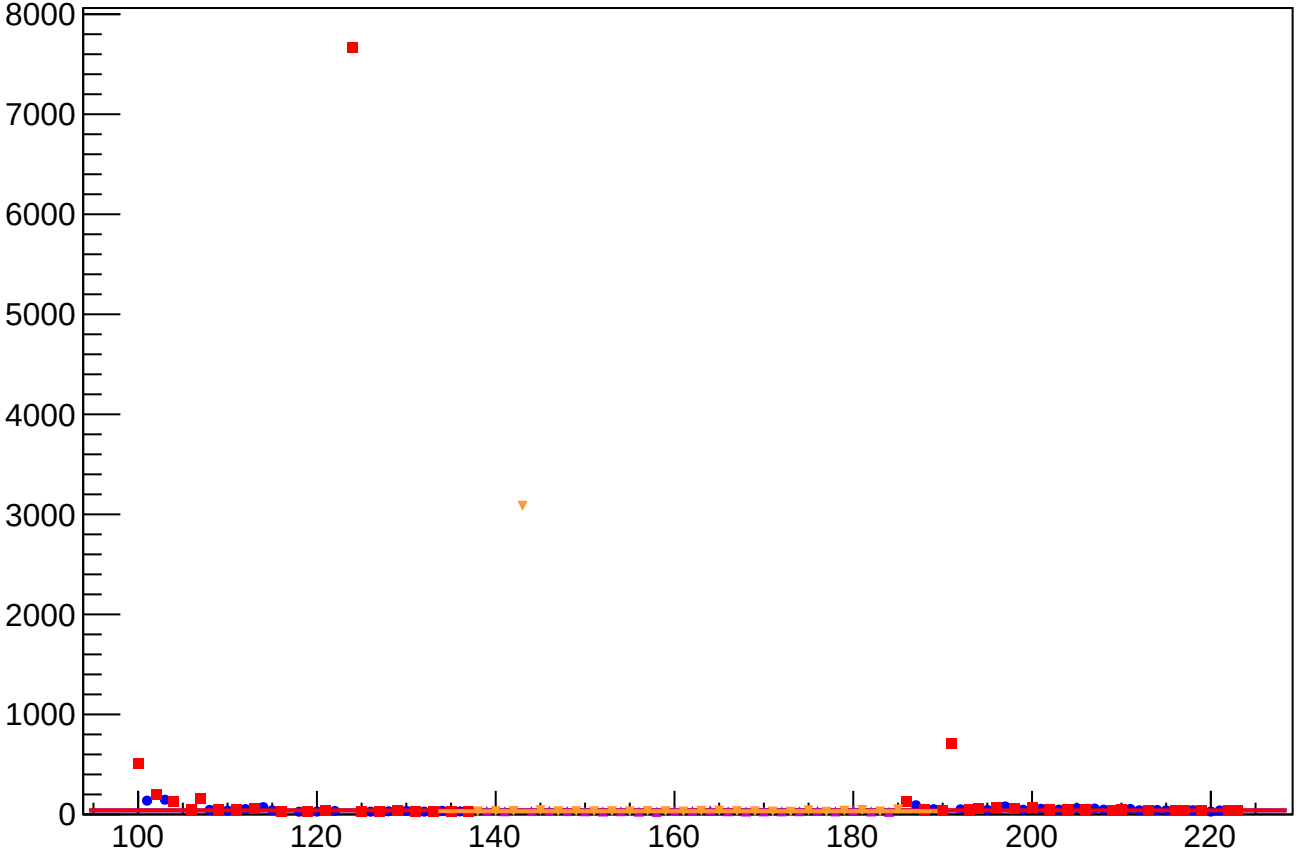
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.006 χ^2/NDF: 73.7/58

All: 0.001+/-0.004 χ^2/NDF: 129.9/120

- sign 0.008+/-0.006 χ^2/NDF: 53.4/61

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.359+/-0.007 χ^2/NDF: 3589804.5/33

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

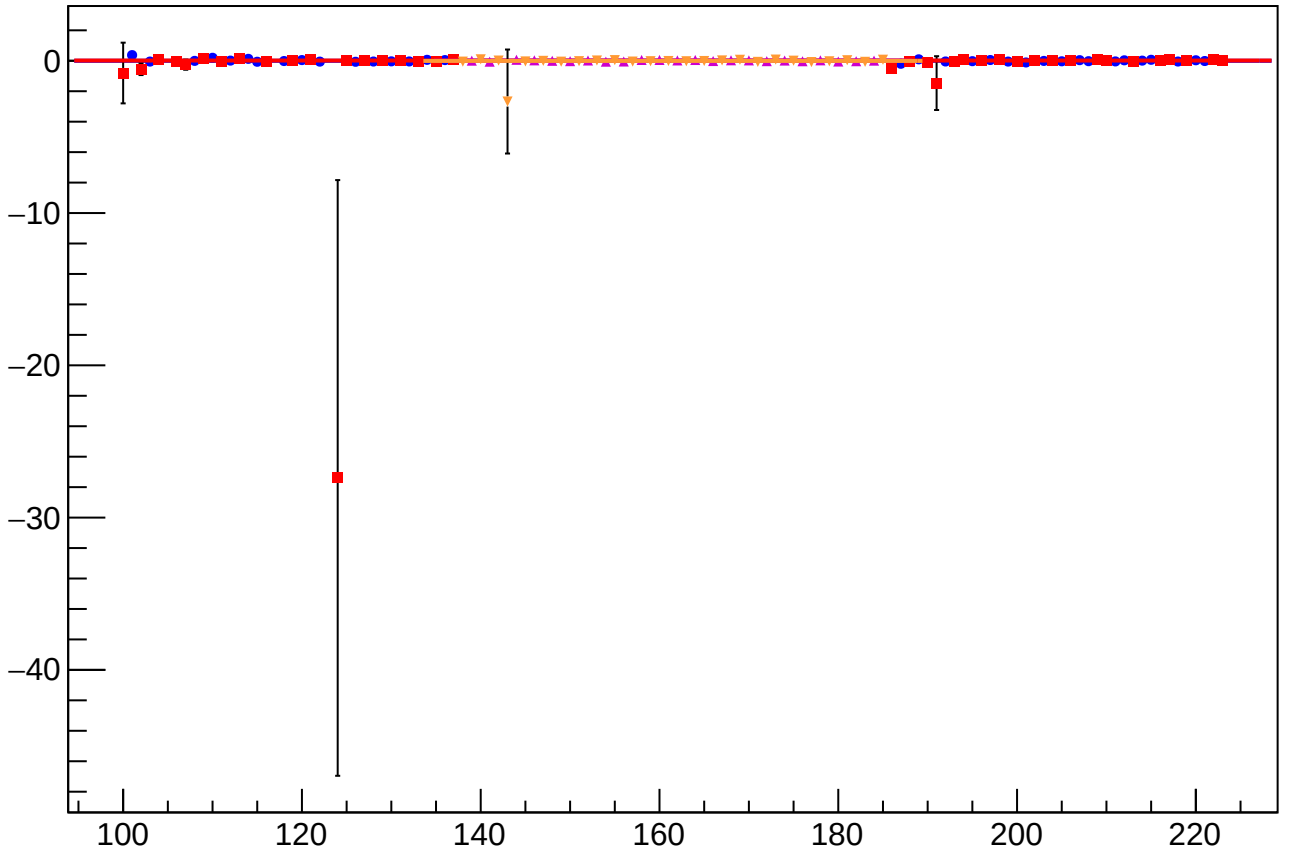
Right Out: 41.037+/-0.007 χ^2/NDF: 4366161.5/38

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.636+/-0.004 χ^2/NDF: 6511933.5/58

All: 35.791+/-0.003 χ^2/NDF: 12191564.5/120

- sign 35.949+/-0.005 χ^2/NDF: 5677177.1/61



Right In: -0.002+/-0.010 χ^2/NDF: 33.8/33

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

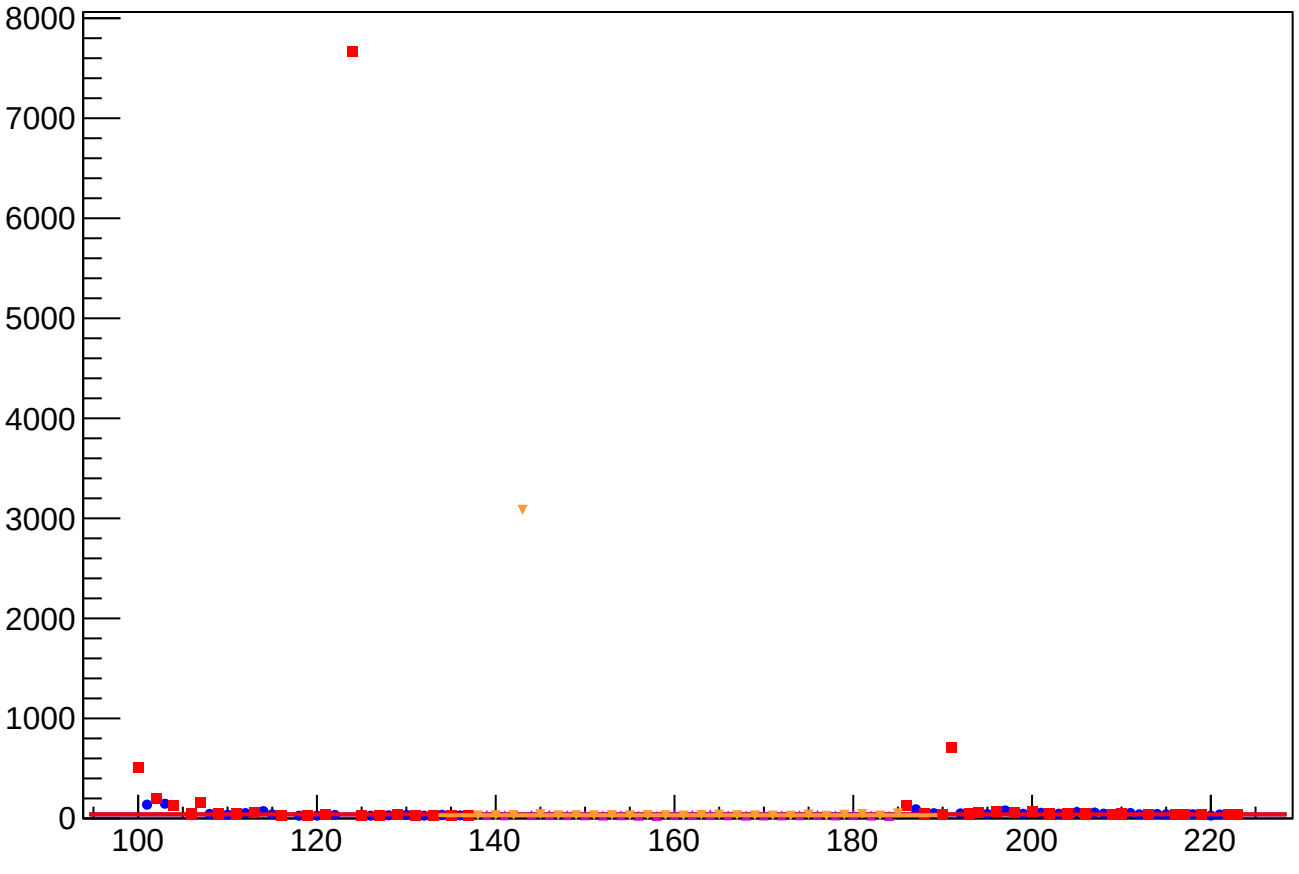
Right Out: 0.015+/-0.010 χ^2/NDF: 31.7/38

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.006 χ^2/NDF: 73.7/58

All: 0.001+/-0.004 χ^2/NDF: 129.9/120

- sign 0.008+/-0.006 χ^2/NDF: 53.4/61



Right In: 40.359+/-0.007 χ^2/NDF: 3589804.5/33

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

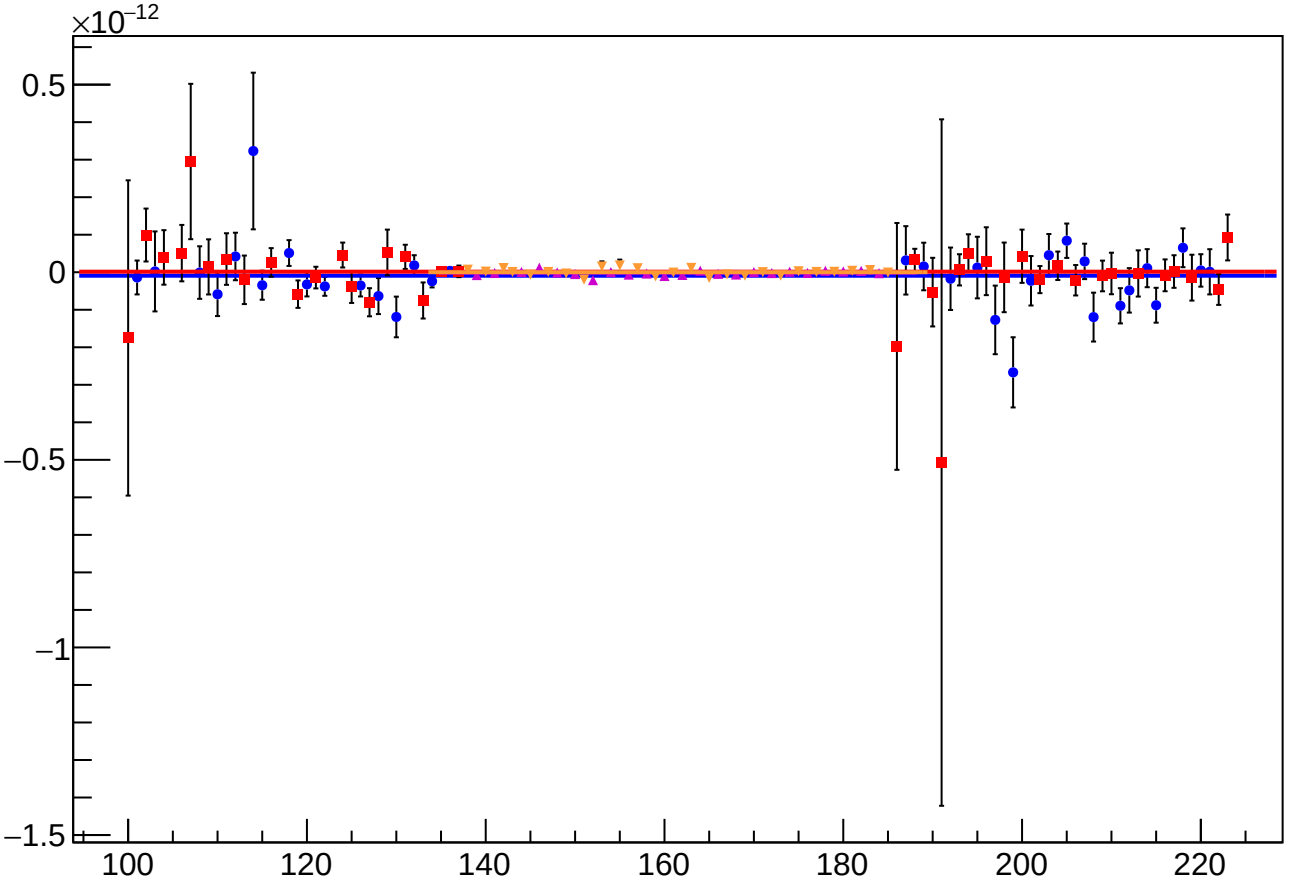
Right Out: 41.037+/-0.007 χ^2/NDF: 4366161.5/38

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.636+/-0.004 χ^2/NDF: 6511933.5/58

All: 35.791+/-0.003 χ^2/NDF: 12191564.5/120

- sign 35.949+/-0.005 χ^2/NDF: 5677177.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/38

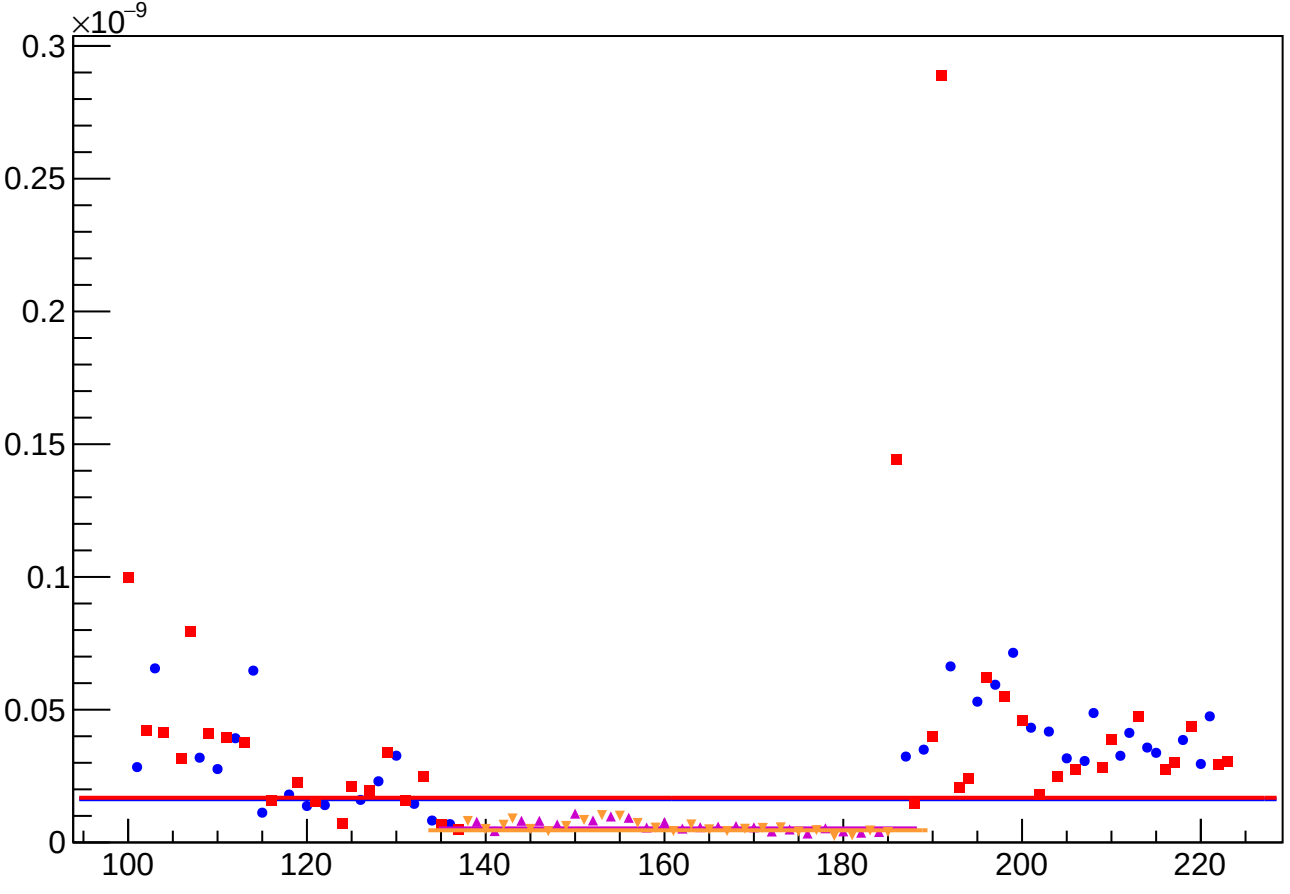
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.7/58

All: -0.000+/-0.000 χ^2/NDF: 108.0/120

- sign -0.000+/-0.000 χ^2/NDF: 38.3/61

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10429902.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8604710.9/38

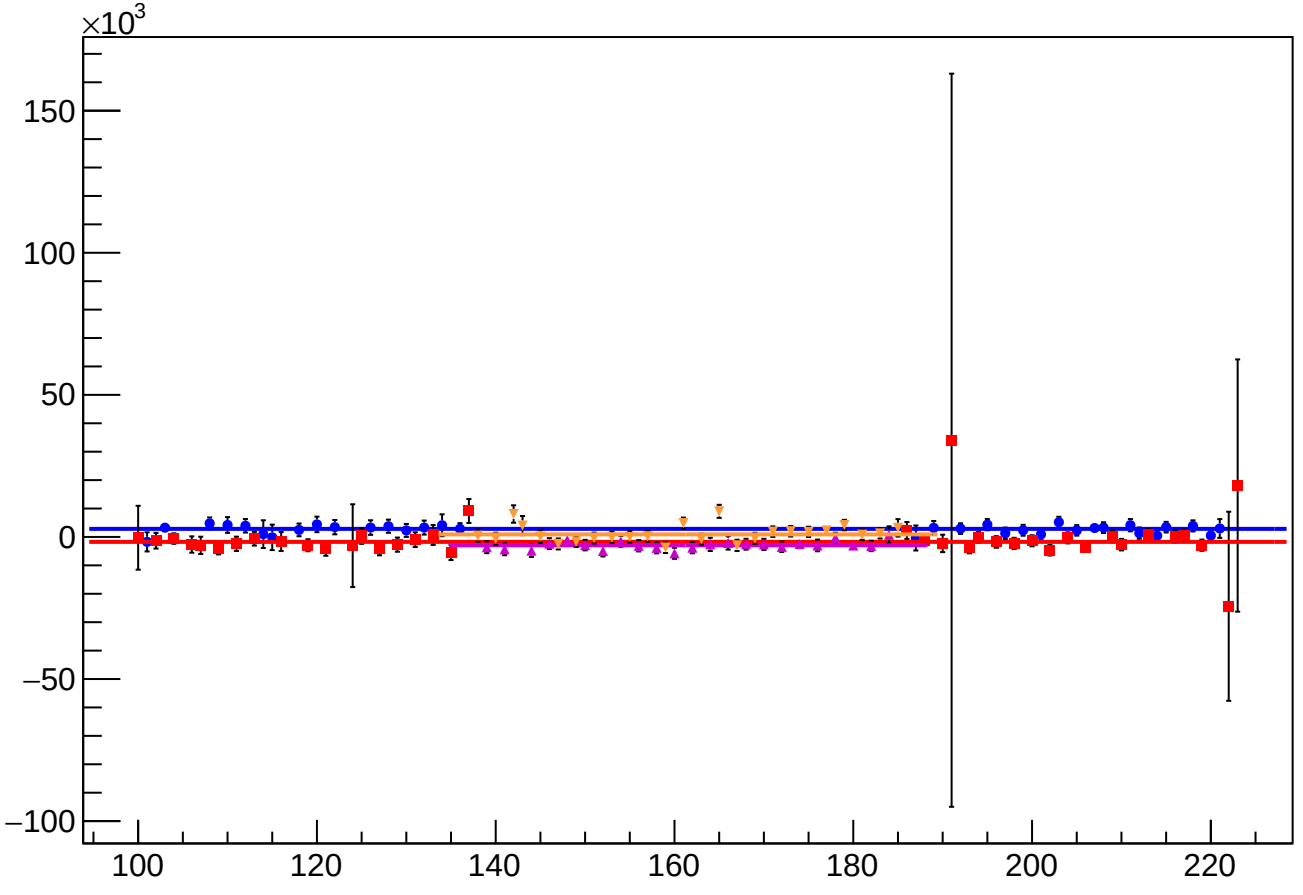
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 20902114.7/58

All: 0.000+/-0.000 χ^2/NDF: 38768789.9/120

- sign 0.000+/-0.000 χ^2/NDF: 17580496.3/61

reg_asym_at2_avg_mean vs Slug



Right In: 2843.181+/-381.027 χ^2/NDF: 13.2/33

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1734.475+/-384.605 χ^2/NDF: 28.3/38

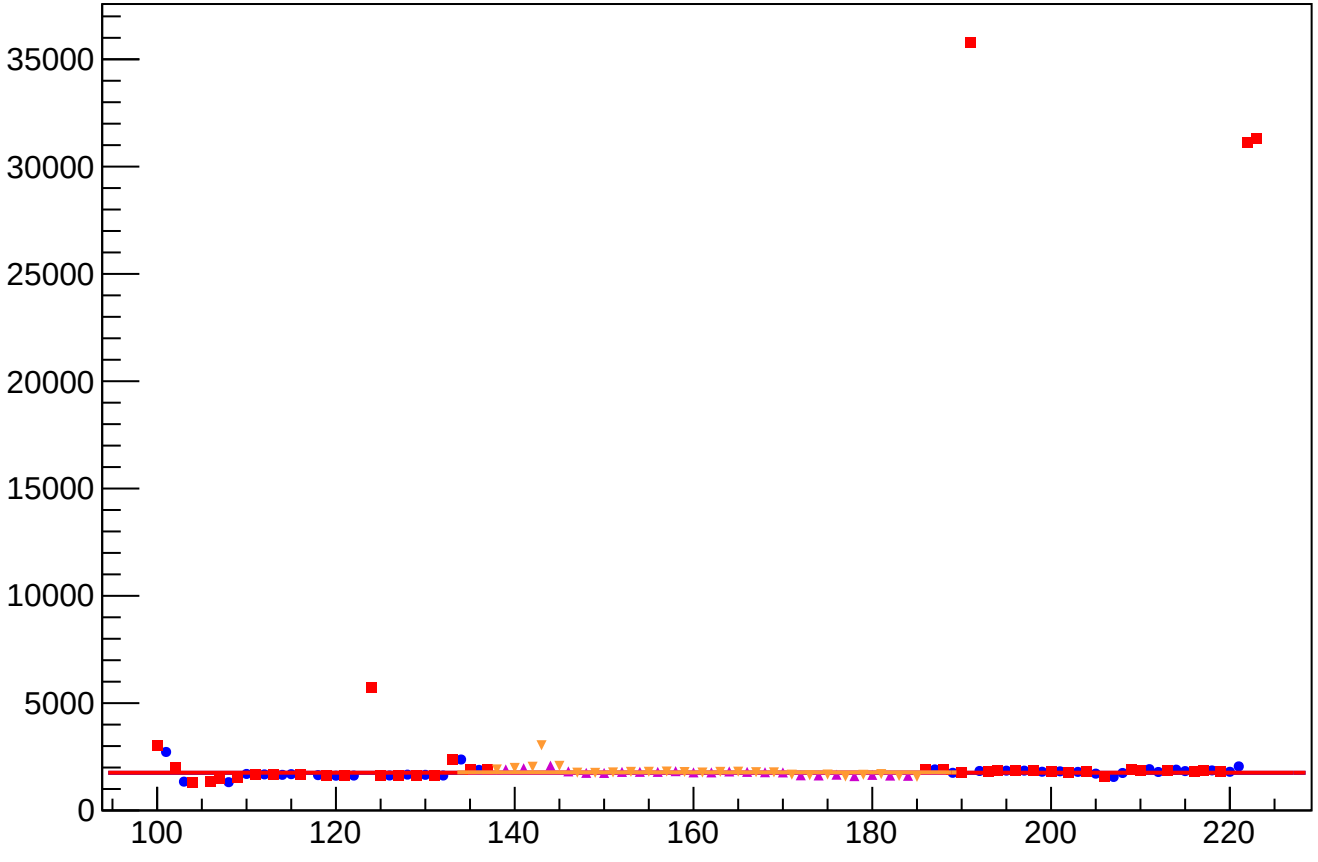
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1931.586+/-277.689 χ^2/NDF: 70.7/58

All: -156.531+/-197.573 χ^2/NDF: 228.6/120

- sign -2297.257+/-281.165 χ^2/NDF: 43.5/61

reg_asym_at2_avg_rms vs Slug



Right In: 1751.942+/-0.269 χ^2/NDF: 558903.5/33

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1759.394+/-0.272 χ^2/NDF: 3182958.1/38

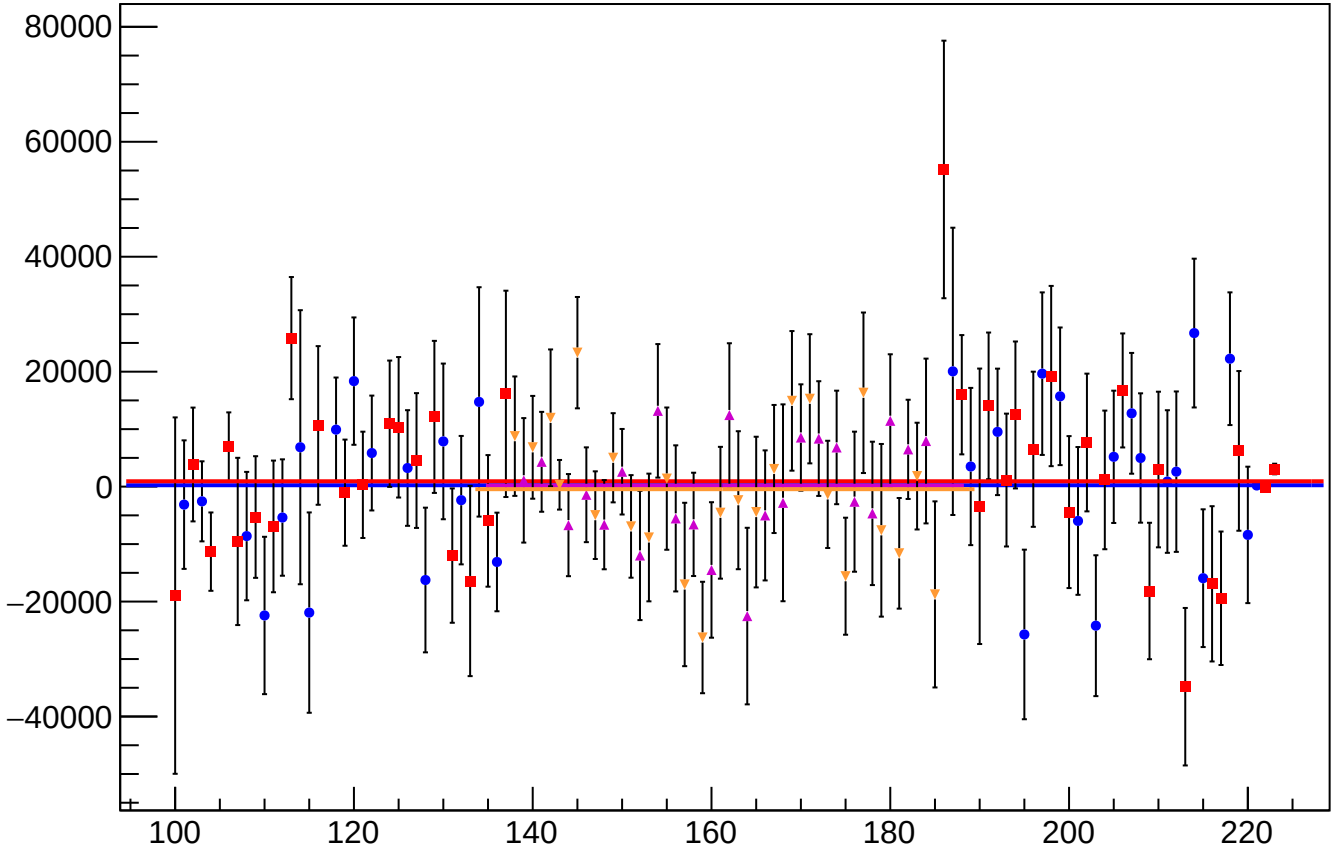
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1762.627+/-0.196 χ^2/NDF: 1009153.5/58

All: 1761.420+/-0.140 χ^2/NDF: 4338472.8/12

- sign 1760.183+/-0.199 χ^2/NDF: 3329242.8/61

asym_at2_avg_reg_correction_mean vs Slug



Right In: 241.431+/-657.621 χ^2/NDF: 39.1/33

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 932.627+/-495.555 χ^2/NDF: 54.7/38

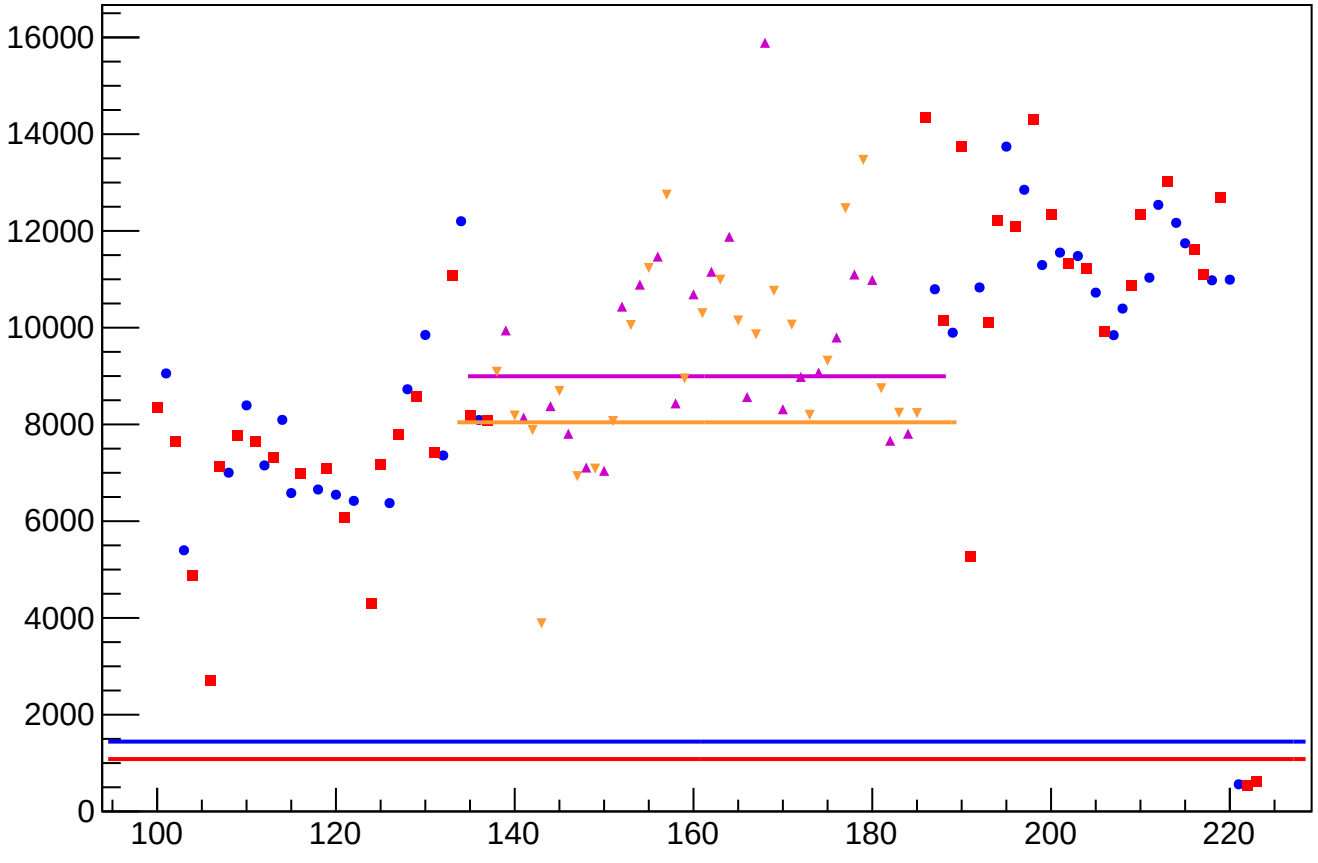
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign 169.907+/-622.330 χ^2/NDF: 68.7/58

All: 621.418+/-381.475 χ^2/NDF: 138.2/120

- sign 893.186+/-482.820 χ^2/NDF: 68.6/61

asym_at2_avg_reg_correction_rms vs Slug



Right In: 1443.671+/-0.465 χ^2/NDF: 33552776.4/33

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 1082.951+/-0.350 χ^2/NDF: 35221228.7/38

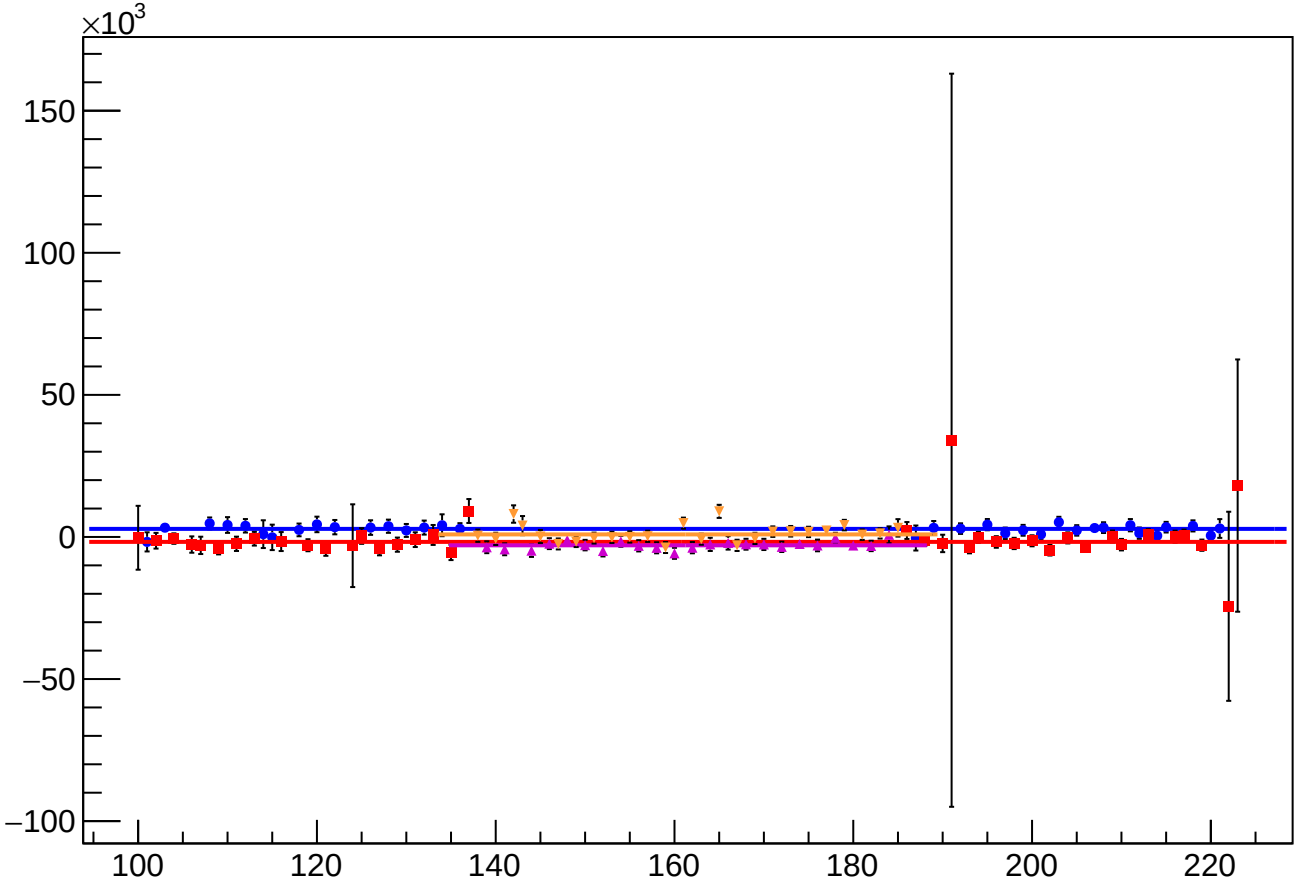
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 2133.056+/-0.440 χ^2/NDF: 57958007.8/58

All: 1728.140+/-0.270 χ^2/NDF: 121614117.3

- sign 1484.418+/-0.341 χ^2/NDF: 62299807.2/61

cor_asym_at2_avg_mean vs Slug



Right In: 2843.196+/-381.027 χ^2/NDF: 13.2/33

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1734.448+/-384.605 χ^2/NDF: 28.3/38

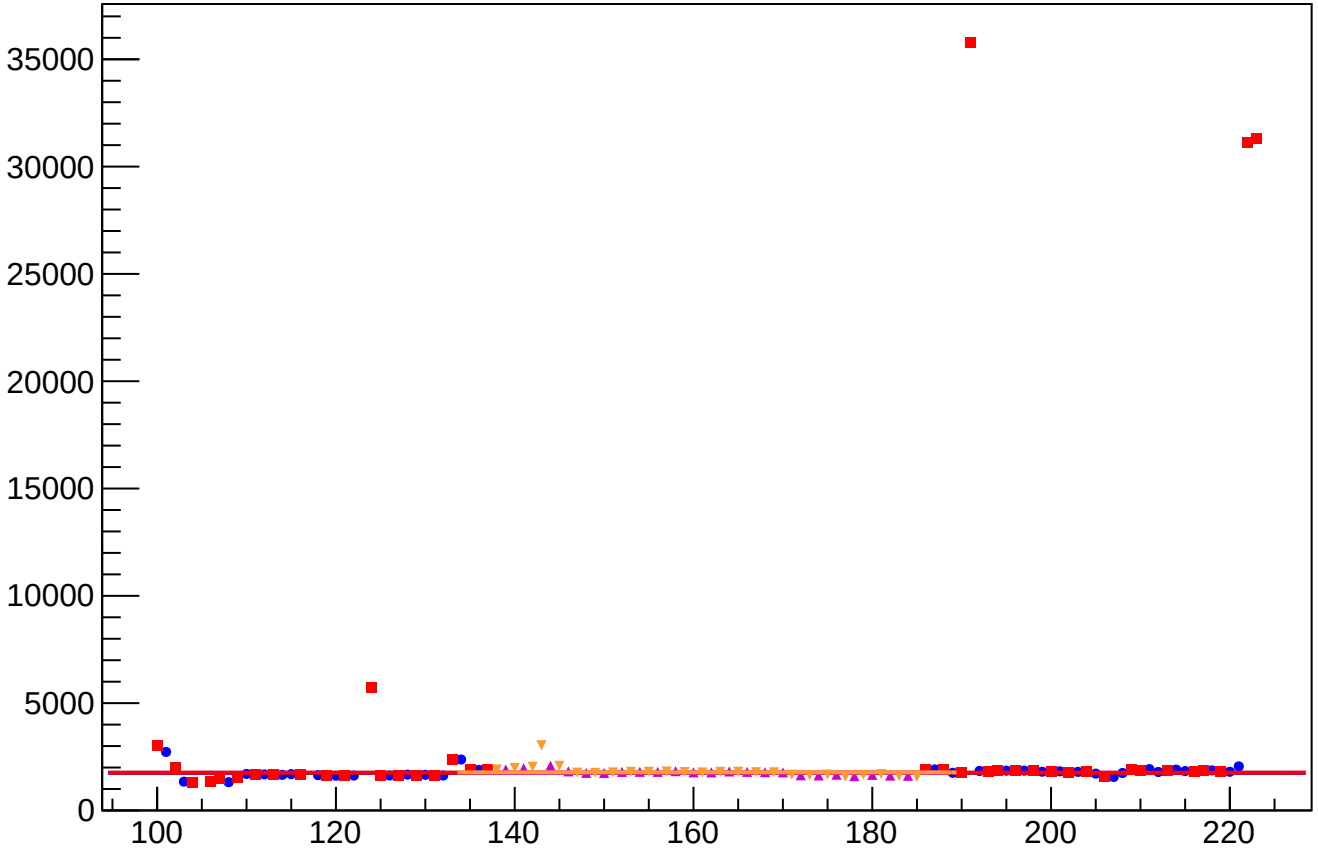
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

\+ sign 1931.557+/-277.689 χ^2/NDF: 70.7/58

All: -156.513+/-197.573 χ^2/NDF: 228.6/120

\- sign -2297.190+/-281.165 χ^2/NDF: 43.5/61

cor_asym_at2_avg_rms vs Slug



Right In: 1751.942+/-0.269 χ^2/NDF: 558904.0/33

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1759.394+/-0.272 χ^2/NDF: 3182958.4/38

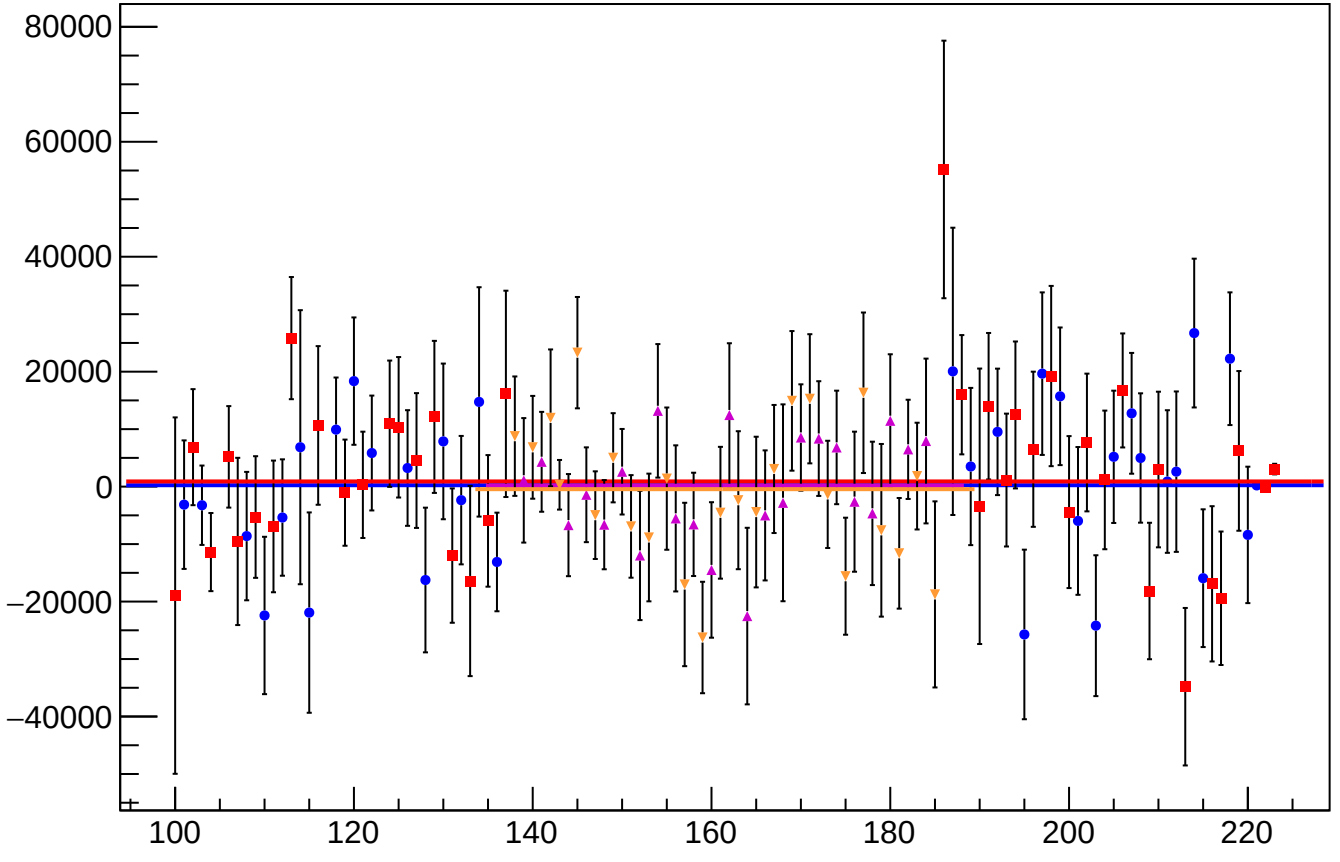
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1762.627+/-0.196 χ^2/NDF: 1009153.9/58

All: 1761.420+/-0.140 χ^2/NDF: 4338473.5/12

- sign 1760.183+/-0.199 χ^2/NDF: 3329243.0/61

asym_at2_avg_cor_correction_mean vs Slug



Right In: 243.898+/-658.120 χ^2/NDF: 39.2/33

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 902.225+/-496.746 χ^2/NDF: 54.2/38

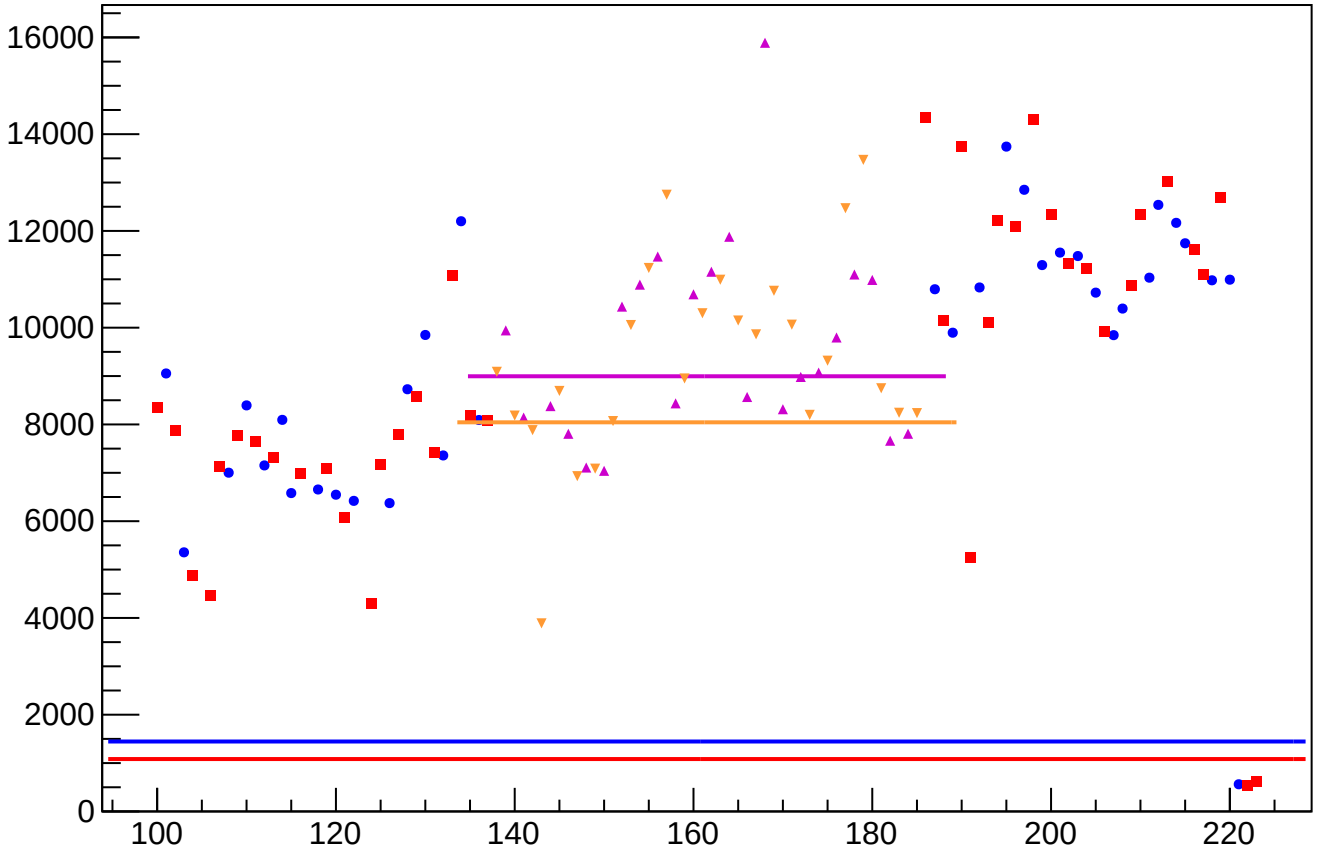
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign 172.013+/-622.753 χ^2/NDF: 68.8/58

All: 603.565+/-382.116 χ^2/NDF: 137.7/120

- sign 864.152+/-483.921 χ^2/NDF: 68.1/61

asym_at2_avg_cor_correction_rms vs Slug



Right In: 1445.934+/-0.465 χ^2/NDF: 33539200.7/33

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 1083.260+/-0.351 χ^2/NDF: 35386697.1/38

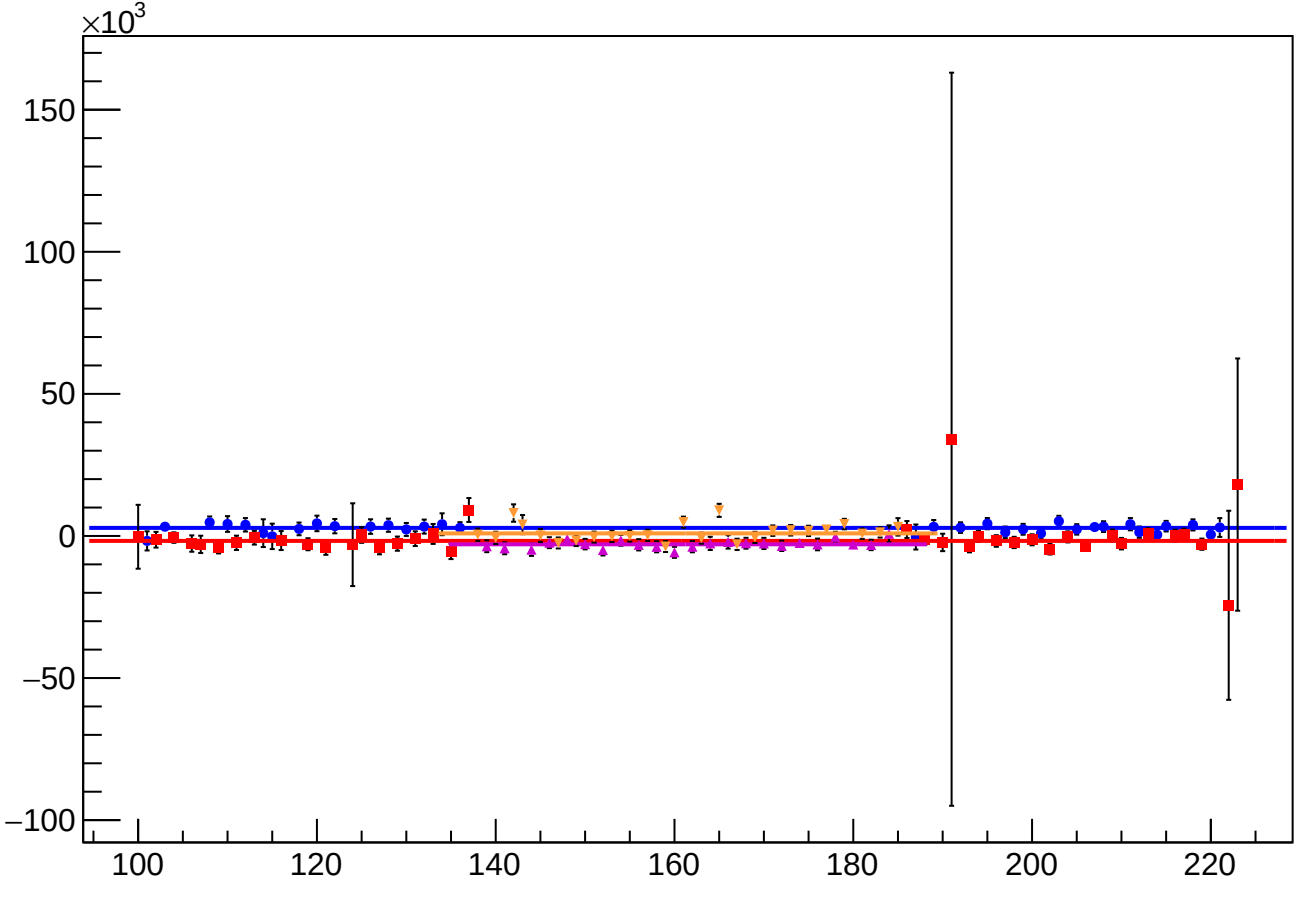
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 2136.020+/-0.440 χ^2/NDF: 57926661.0/58

All: 1731.070+/-0.270 χ^2/NDF: 121739904.6

- sign 1486.547+/-0.342 χ^2/NDF: 62456924.5/61

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2843.196+/-381.027 χ^2/NDF: 13.2/33

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1734.448+/-384.605 χ^2/NDF: 28.3/38

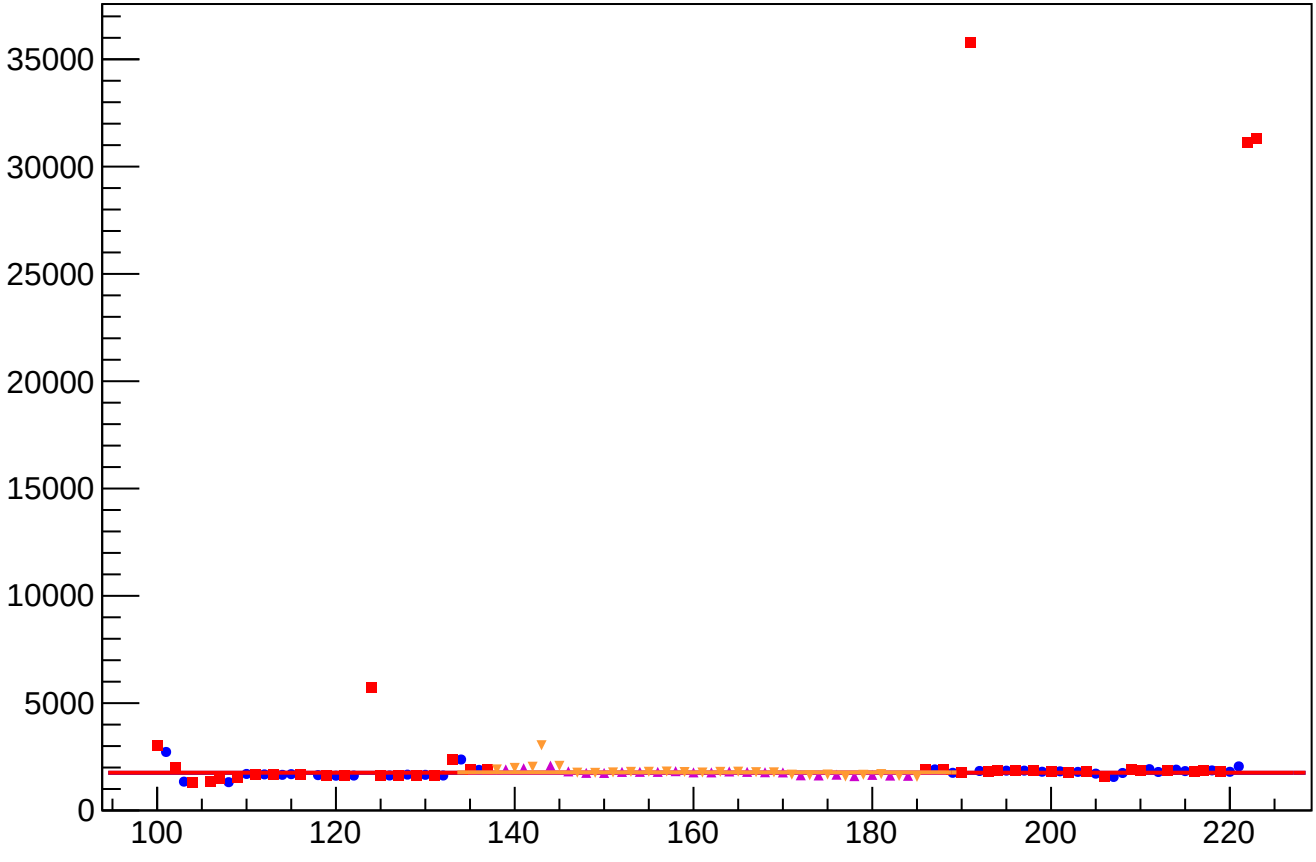
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1931.557+/-277.689 χ^2/NDF: 70.7/58

All: -156.513+/-197.573 χ^2/NDF: 228.6/120

- sign -2297.190+/-281.165 χ^2/NDF: 43.5/61

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1751.942+/-0.269 χ^2/NDF: 558904.0/33

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1759.394+/-0.272 χ^2/NDF: 3182958.4/38

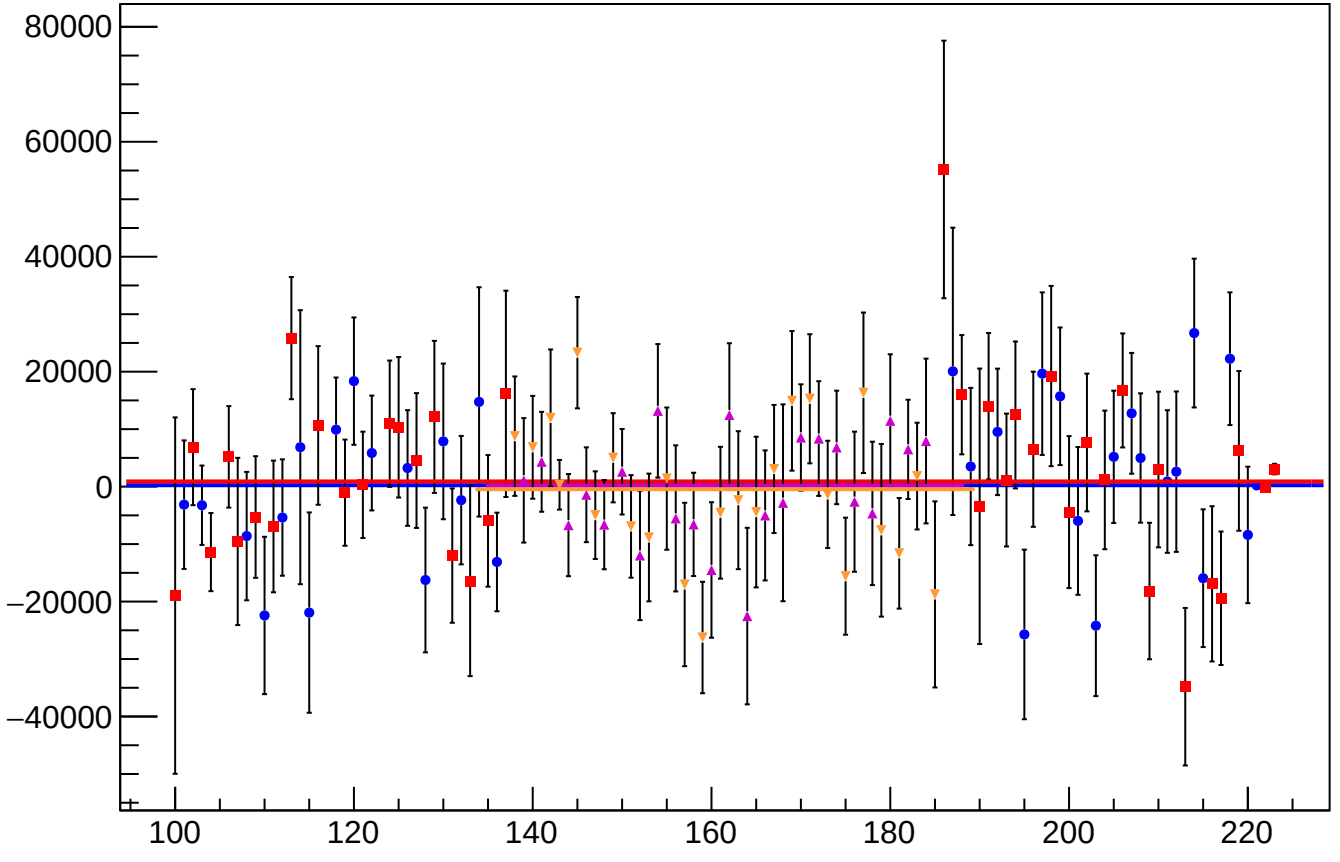
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1762.627+/-0.196 χ^2/NDF: 1009153.9/58

All: 1761.420+/-0.140 χ^2/NDF: 4338473.5/12

- sign 1760.183+/-0.199 χ^2/NDF: 3329243.0/61

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: 243.898+/-658.120 χ^2/NDF: 39.2/33

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 902.225+/-496.746 χ^2/NDF: 54.2/38

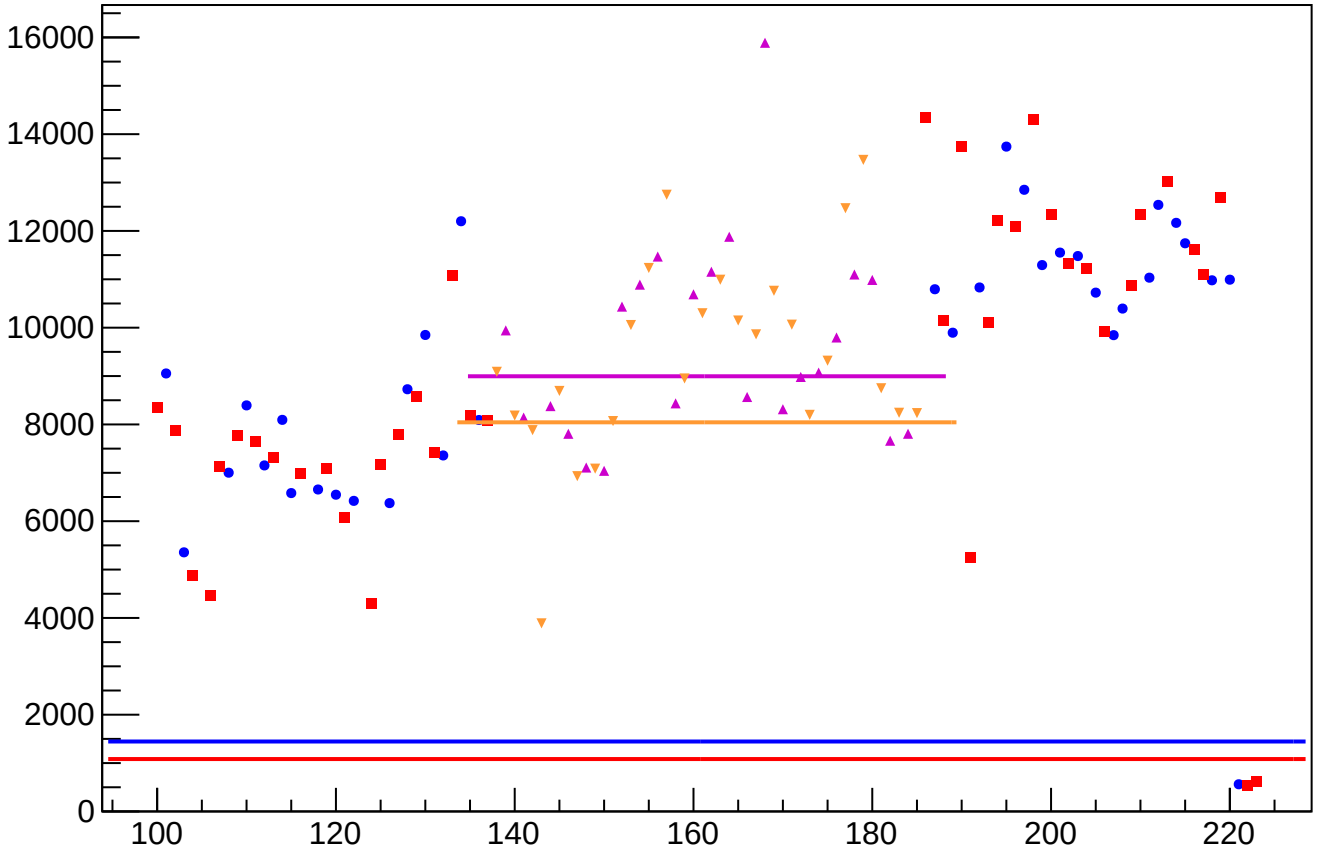
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign 172.013+/-622.753 χ^2/NDF: 68.8/58

All: 603.565+/-382.116 χ^2/NDF: 137.7/120

- sign 864.152+/-483.921 χ^2/NDF: 68.1/61

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 1445.934+/-0.465 χ^2/NDF: 33539200.7/33

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 1083.260+/-0.351 χ^2/NDF: 35386697.1/38

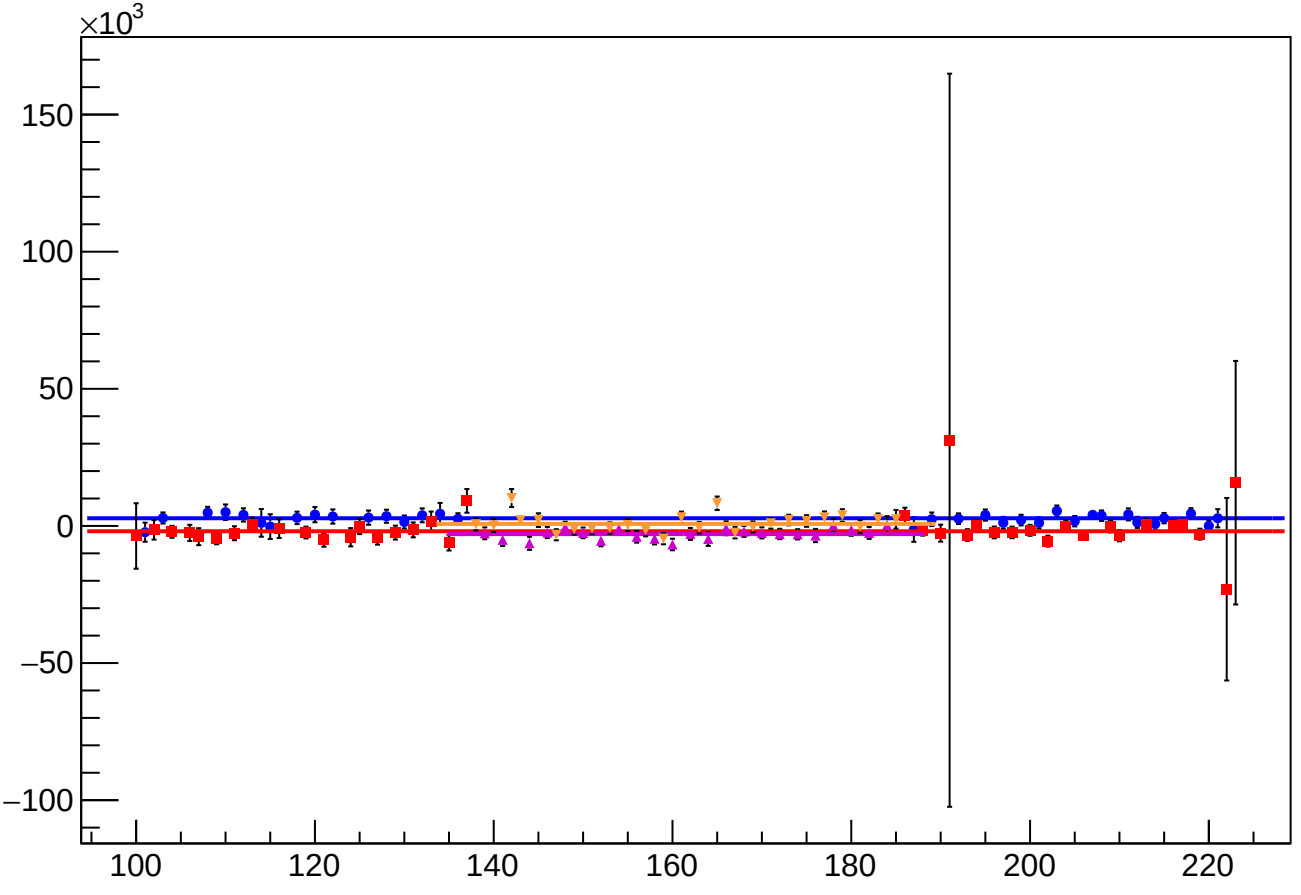
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 2136.020+/-0.440 χ^2/NDF: 57926661.0/58

All: 1731.070+/-0.270 χ^2/NDF: 121739904.6

- sign 1486.547+/-0.342 χ^2/NDF: 62456924.5/61

dit_asym_at2_avg_mean vs Slug



Right In: 2800.783+/-392.137 χ^2/NDF: 15.7/33

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -1942.132+/-394.781 χ^2/NDF: 32.7/38

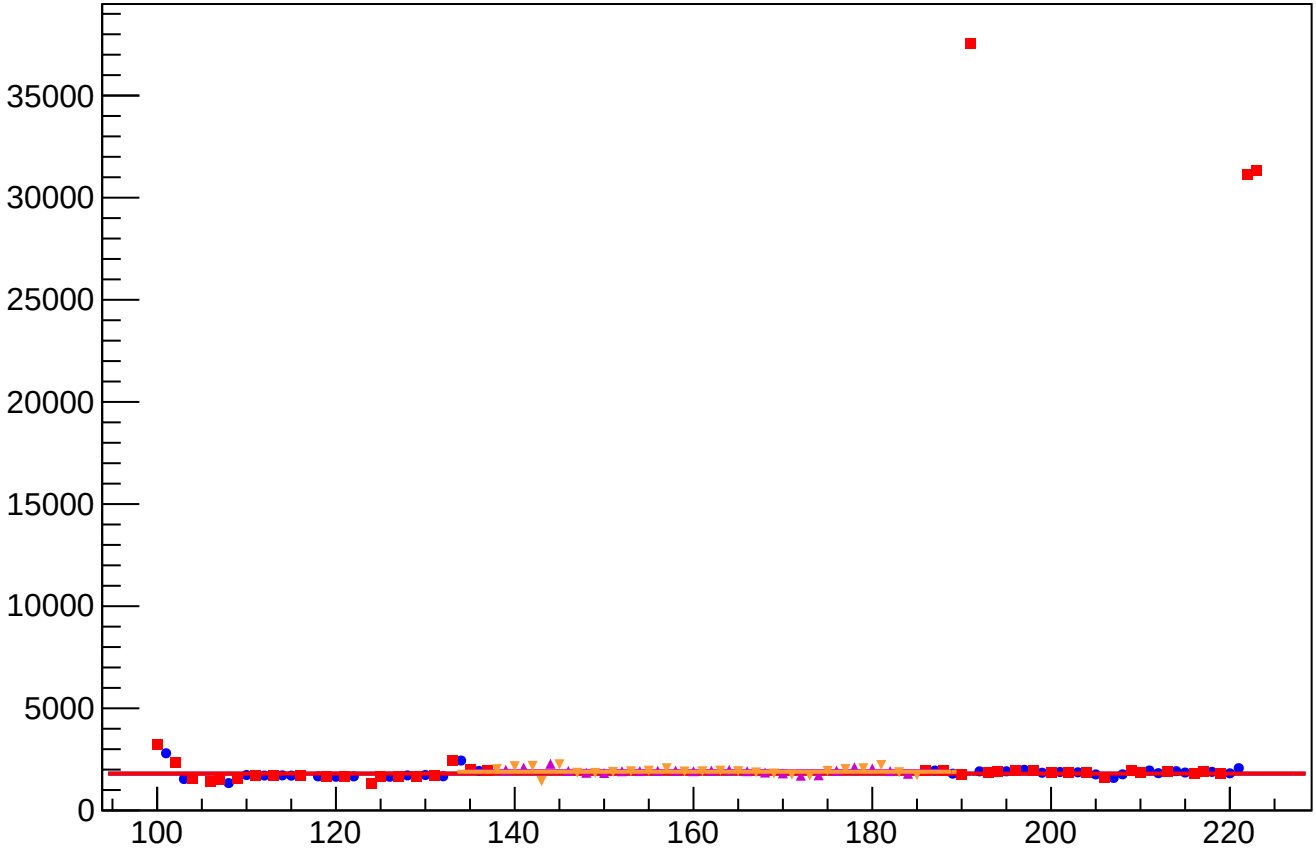
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1871.472+/-290.622 χ^2/NDF: 69.8/58

All: -215.376+/-207.672 χ^2/NDF: 226.5/120

- sign -2392.798+/-296.862 χ^2/NDF: 51.3/61

dit_asym_at2_avg_rms vs Slug



Right In: 1803.731+/-0.277 χ^2/NDF: 497046.3/33

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1804.888+/-0.279 χ^2/NDF: 3029445.9/38

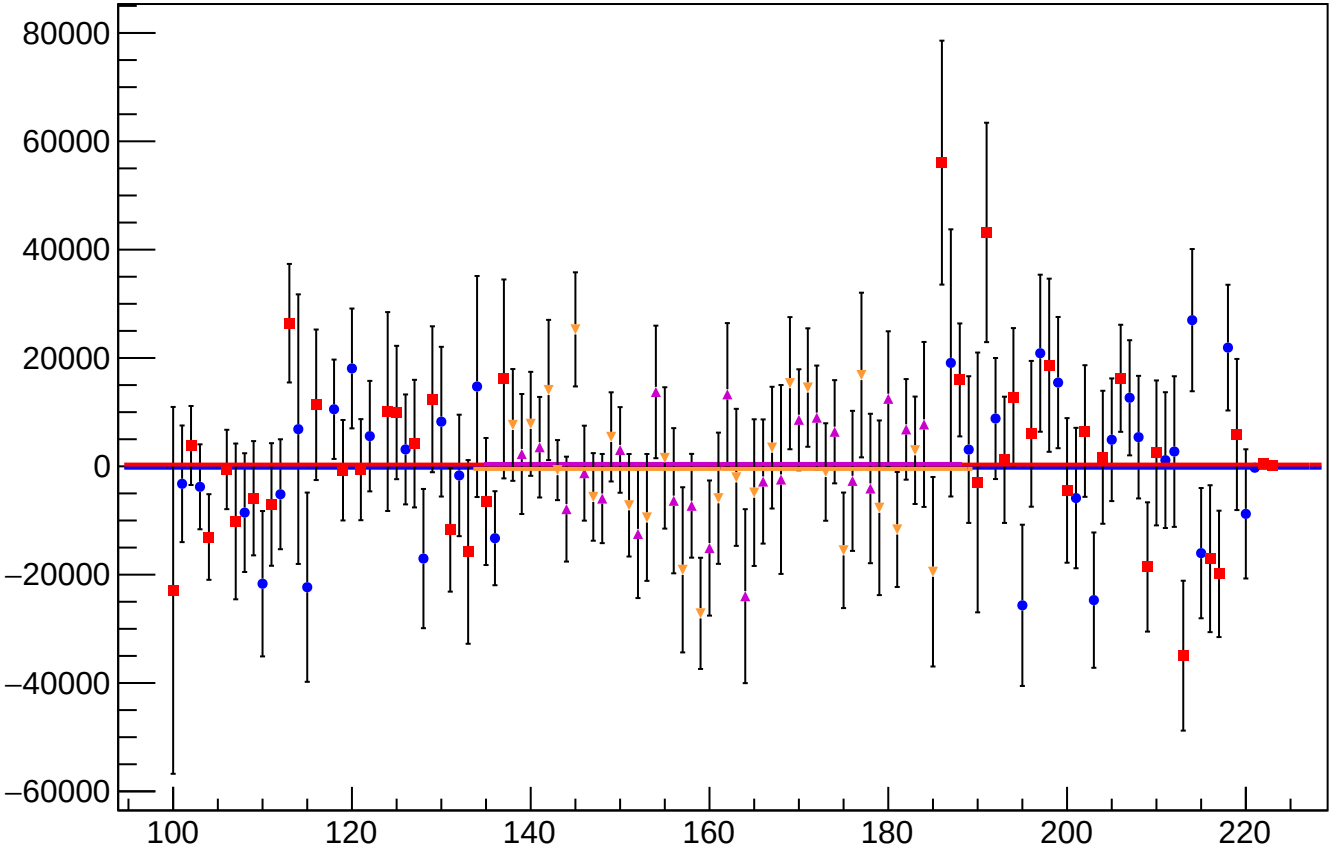
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1844.727+/-0.206 χ^2/NDF: 914130.3/58

All: 1850.353+/-0.147 χ^2/NDF: 4173938.4/12

- sign 1856.222+/-0.210 χ^2/NDF: 3258276.8/61

asym_at2_avg_dit_correction_mean vs Slug



Right In: -251.070+/-228.282 χ^2/NDF: 39.0/33

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 321.950+/-188.279 χ^2/NDF: 49.2/38

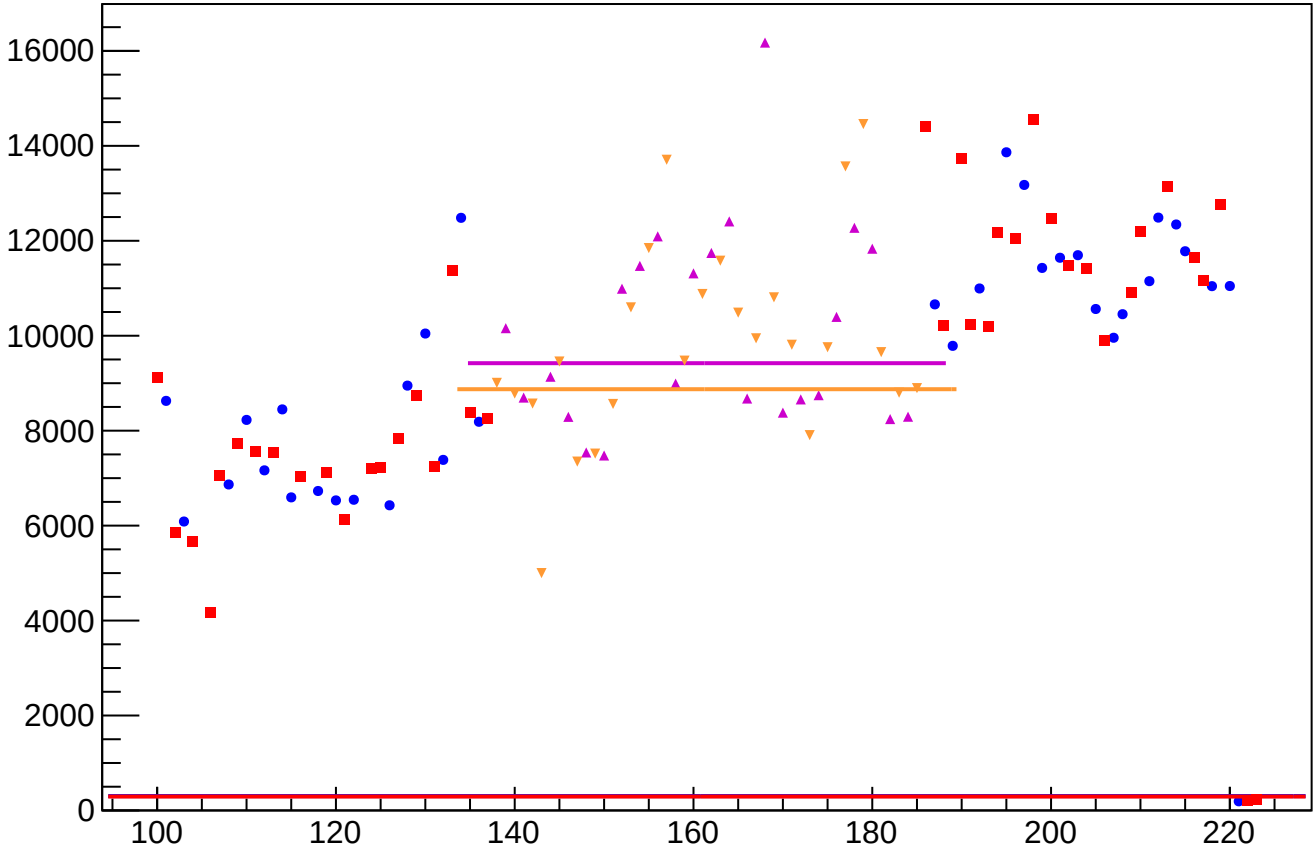
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

\+ sign -253.763+/-226.932 χ^2/NDF: 67.8/58

All: 88.677+/-144.600 χ^2/NDF: 134.5/120

\- sign 322.752+/-187.621 χ^2/NDF: 62.8/61

asym_at2_avg_dit_correction_rms vs Slug



Right In: 302.374+/-0.161 χ^2/NDF: 39765836.2/33

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 293.273+/-0.133 χ^2/NDF: 40588674.1/38

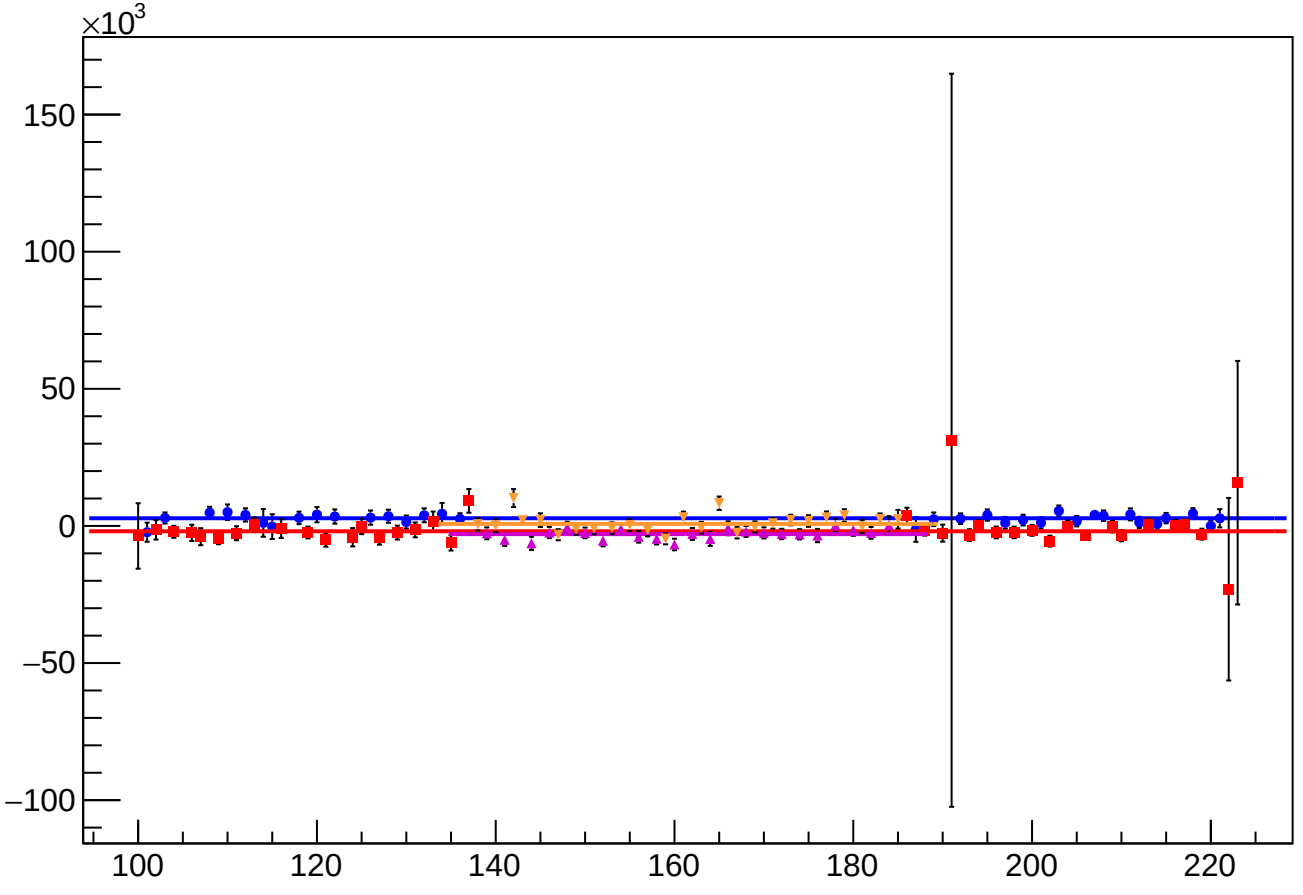
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 403.499+/-0.160 χ^2/NDF: 75233981.0/58

All: 375.891+/-0.102 χ^2/NDF: 149907793.3/1

- sign 357.020+/-0.133 χ^2/NDF: 74623976.2/61

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2800.777+/-392.137 χ^2/NDF: 15.7/33

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -1942.132+/-394.781 χ^2/NDF: 32.7/38

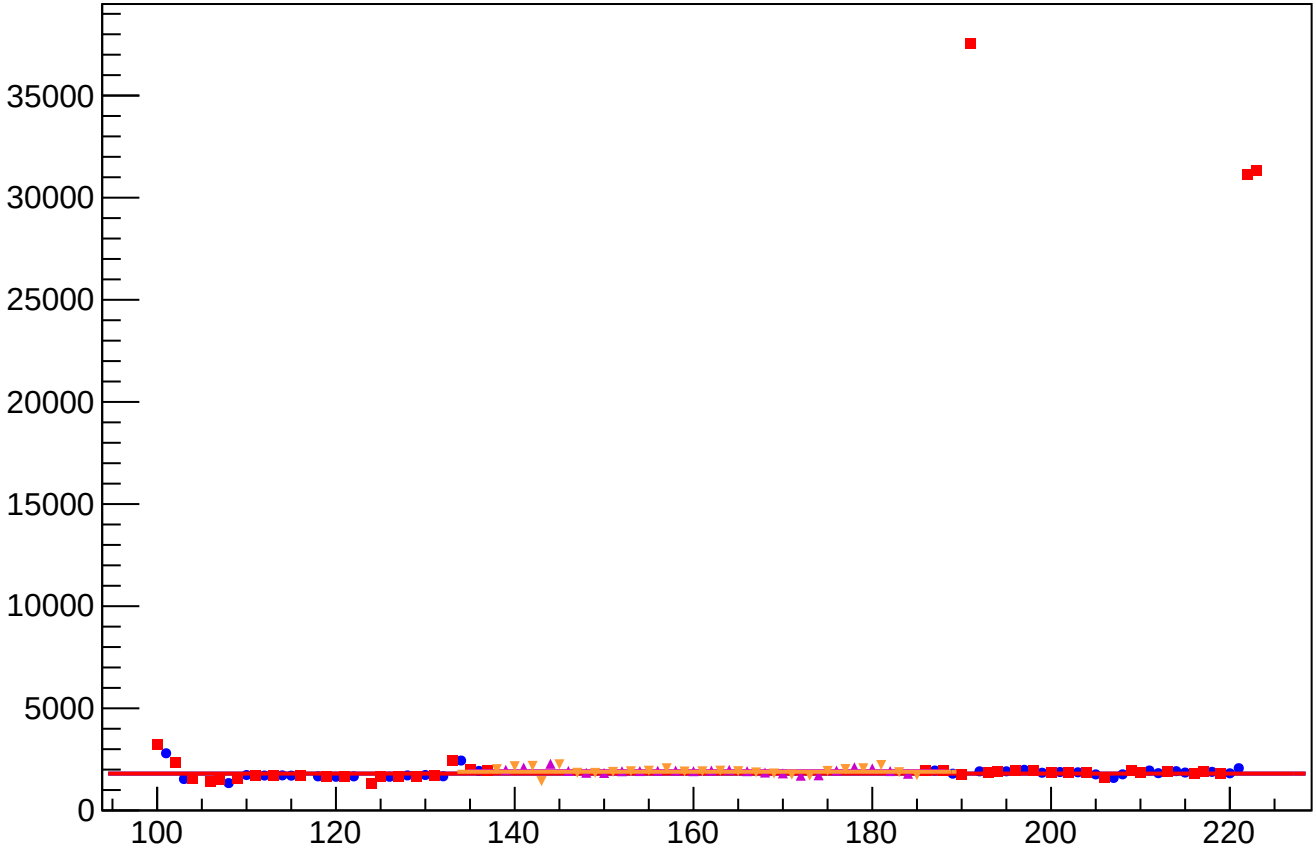
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1871.465+/-290.622 χ^2/NDF: 69.8/58

All: -215.379+/-207.672 χ^2/NDF: 226.5/120

- sign -2392.798+/-296.862 χ^2/NDF: 51.3/61

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1803.731+/-0.277 χ^2/NDF: 497046.9/33

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

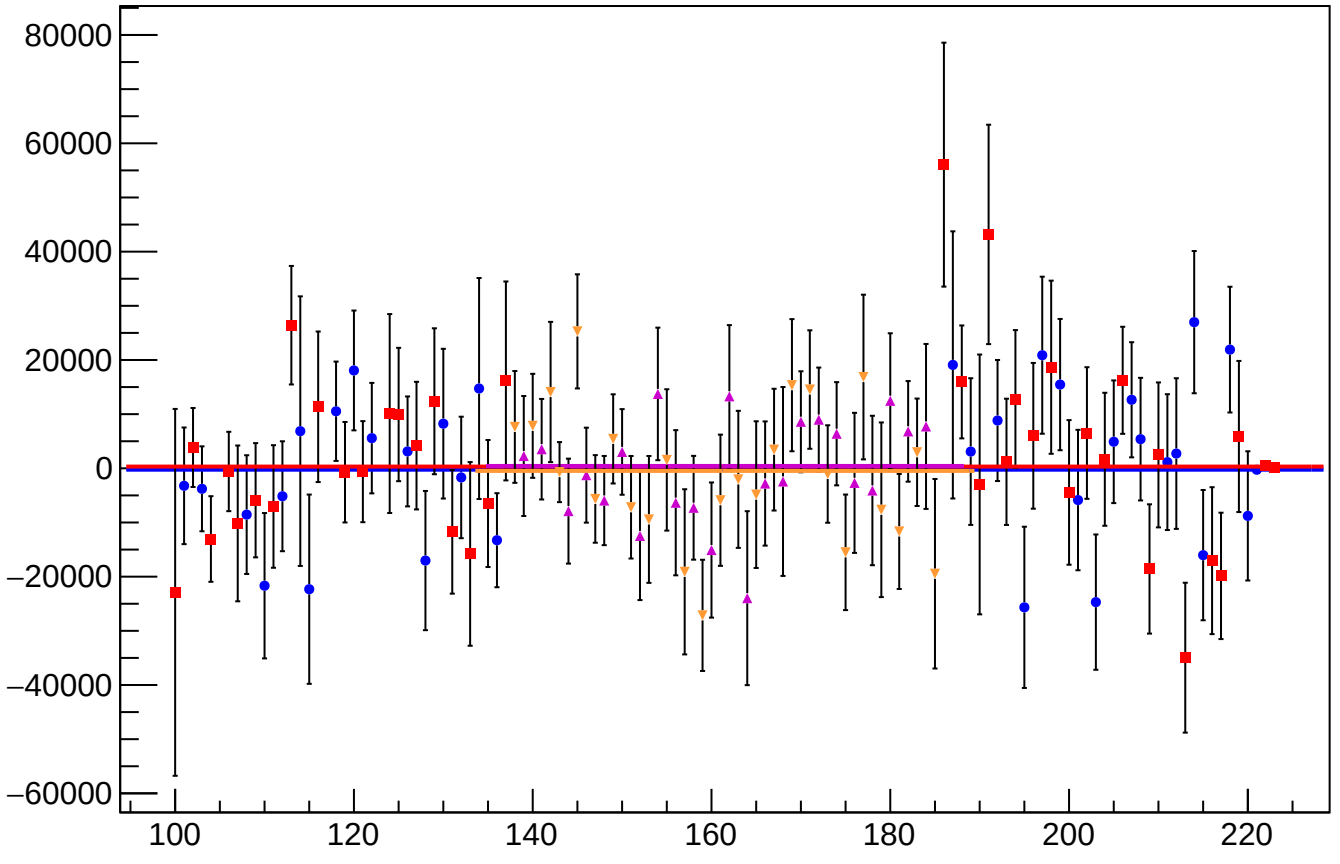
Right Out: 1804.888+/-0.279 χ^2/NDF: 3029447.4/38

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1844.728+/-0.206 χ^2/NDF: 914141.8/58

All: 1850.354+/-0.147 χ^2/NDF: 4173963.0/12

- sign 1856.223+/-0.210 χ^2/NDF: 3258290.0/61



Right In: -251.080+/-228.283 χ^2/NDF: 39.0/33

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

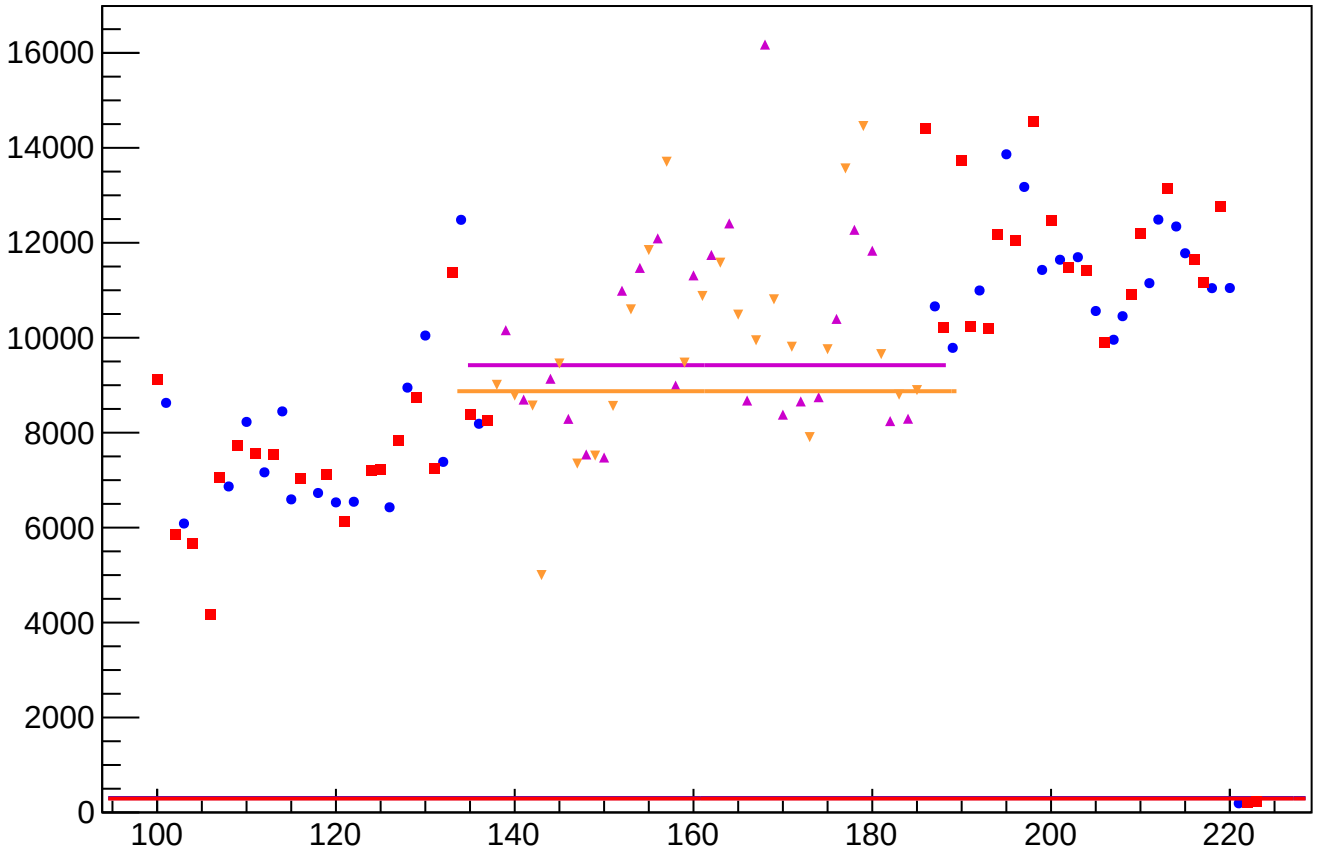
Right Out: 321.949+/-188.280 χ^2/NDF: 49.2/38

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

\+ sign -253.773+/-226.932 χ^2/NDF: 67.8/58

All: 88.672+/-144.600 χ^2/NDF: 134.5/120

\- sign 322.750+/-187.621 χ^2/NDF: 62.8/61



Right In: 302.375+/-0.161 χ^2/NDF: 39765833.2/33

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 293.274+/-0.133 χ^2/NDF: 40588668.2/38

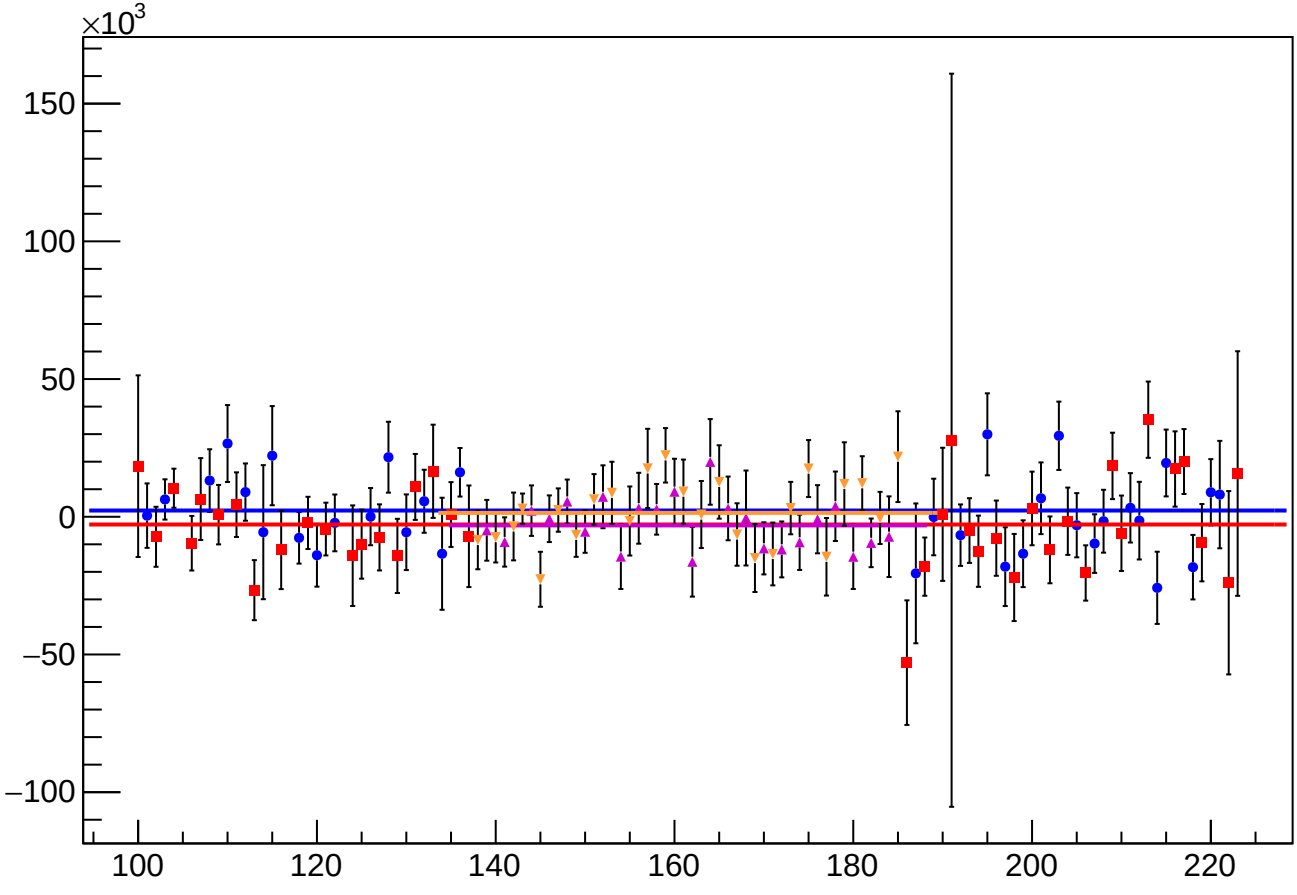
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 403.500+/-0.160 χ^2/NDF: 75233976.3/58

All: 375.892+/-0.102 χ^2/NDF: 149907779.5/1

- sign 357.020+/-0.133 χ^2/NDF: 74623967.4/61

asym_at2_avg_mean vs Slug



Right In: 2268.951+/-2071.786 χ^2/NDF: 40.5/33

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -2810.355+/-2048.210 χ^2/NDF: 45.5/38

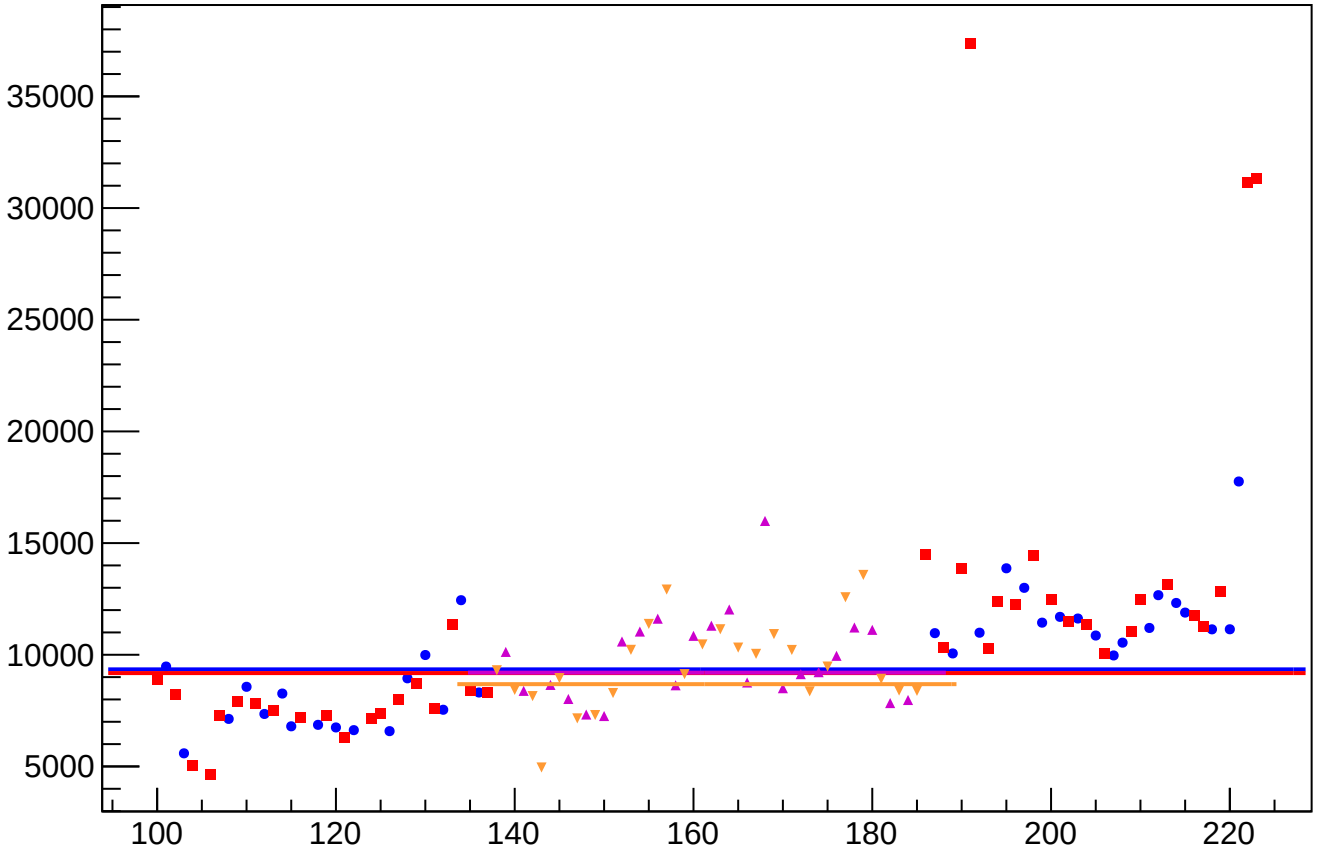
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 1831.961+/-1453.572 χ^2/NDF: 68.0/58

All: -497.380+/-1042.423 χ^2/NDF: 131.8/120

- sign -2963.858+/-1495.749 χ^2/NDF: 58.5/61

asym_at2_avg_rms vs Slug



Right In: 9346.458+/-1.465 χ^2/NDF: 2820512.3/33

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 9179.861+/-1.448 χ^2/NDF: 4712850.3/38

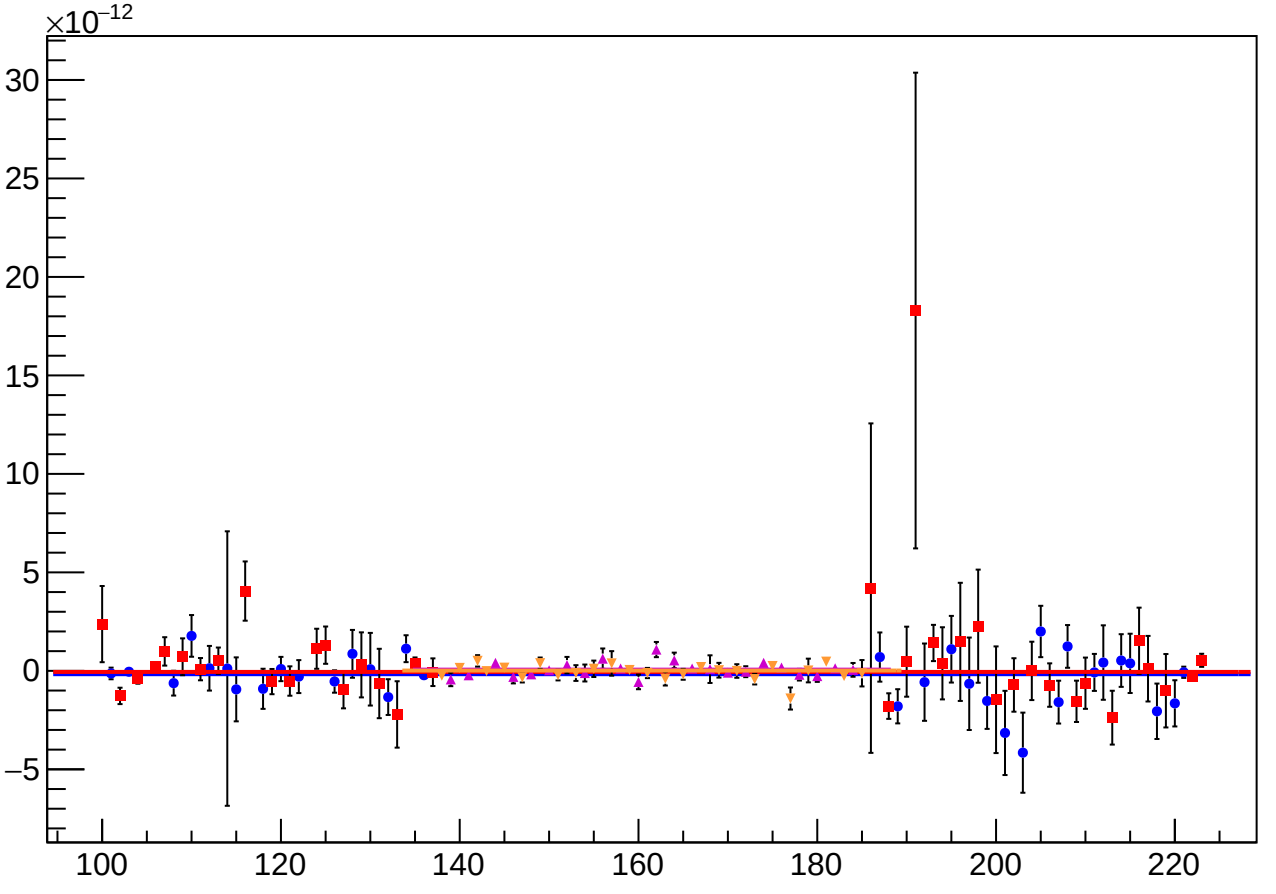
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 9010.373+/-1.028 χ^2/NDF: 4975789.8/58

All: 9097.441+/-0.737 χ^2/NDF: 10832932.8/1

- sign 9189.631+/-1.058 χ^2/NDF: 5842369.1/61

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.7/38

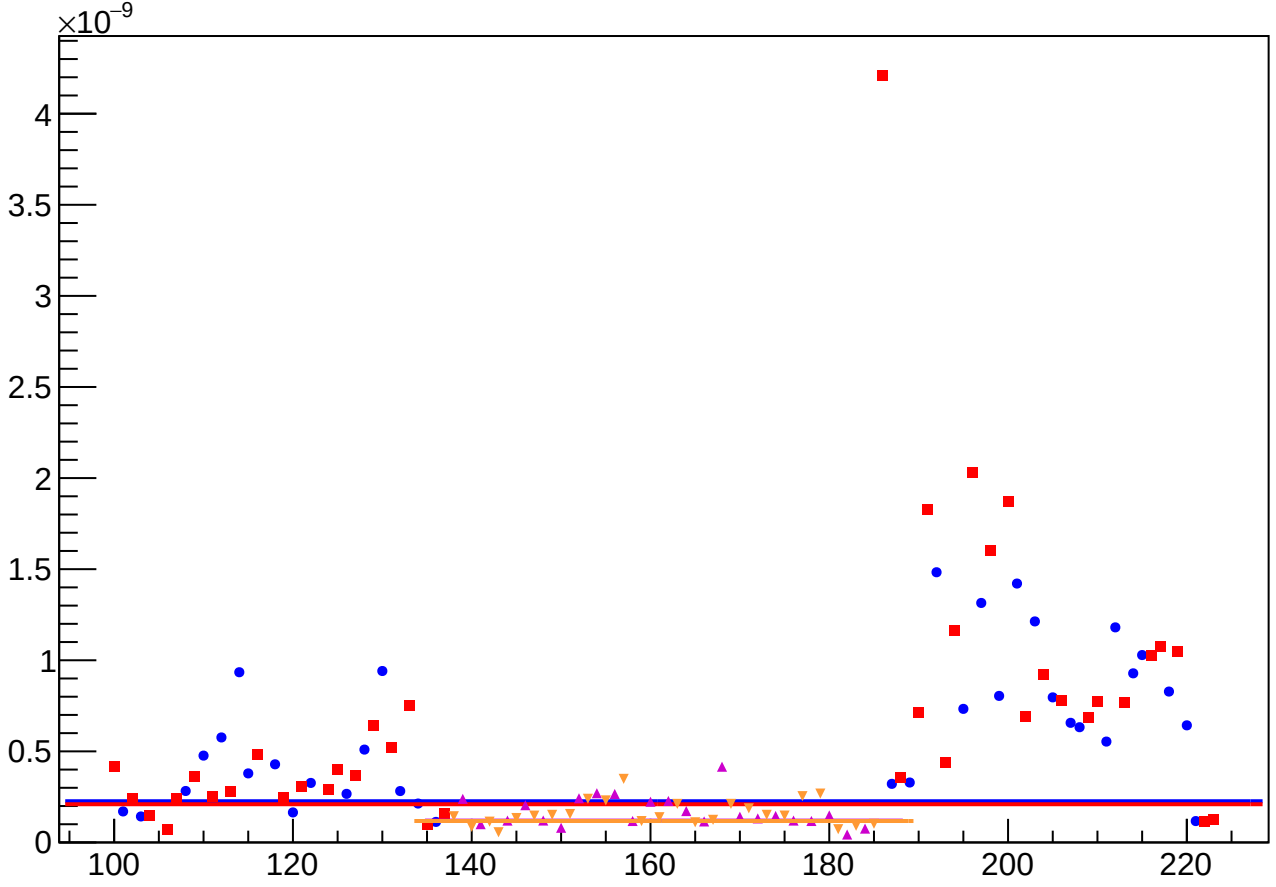
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/58

All: 0.000+/-0.000 χ^2/NDF: 151.9/120

- sign 0.000+/-0.000 χ^2/NDF: 86.6/61

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8516002.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9417996.9/38

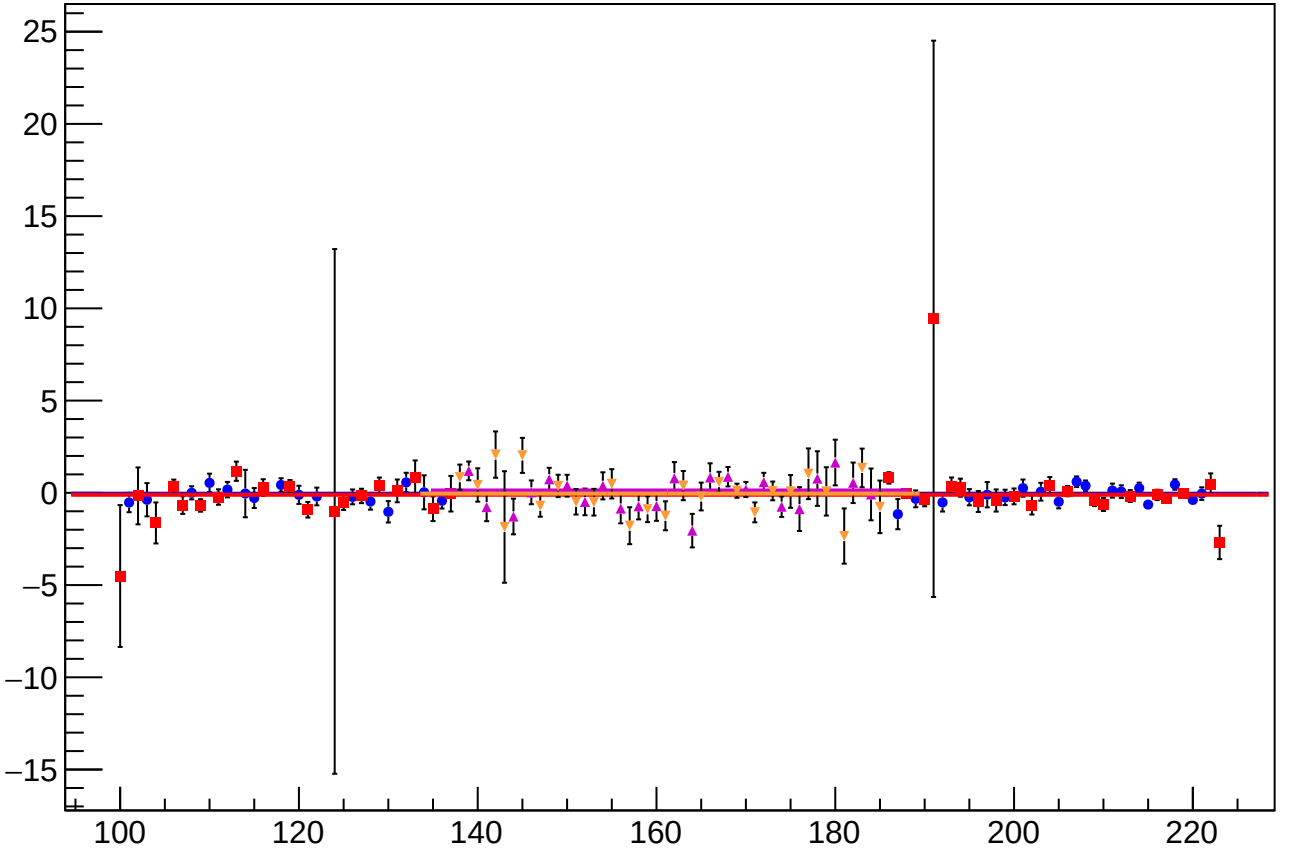
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12620819.3/58

All: 0.000+/-0.000 χ^2/NDF: 25987038.6/120

- sign 0.000+/-0.000 χ^2/NDF: 13364299.7/61

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.047+/-0.069 χ^2/NDF: 34.6/33

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.105+/-0.065 χ^2/NDF: 53.4/38

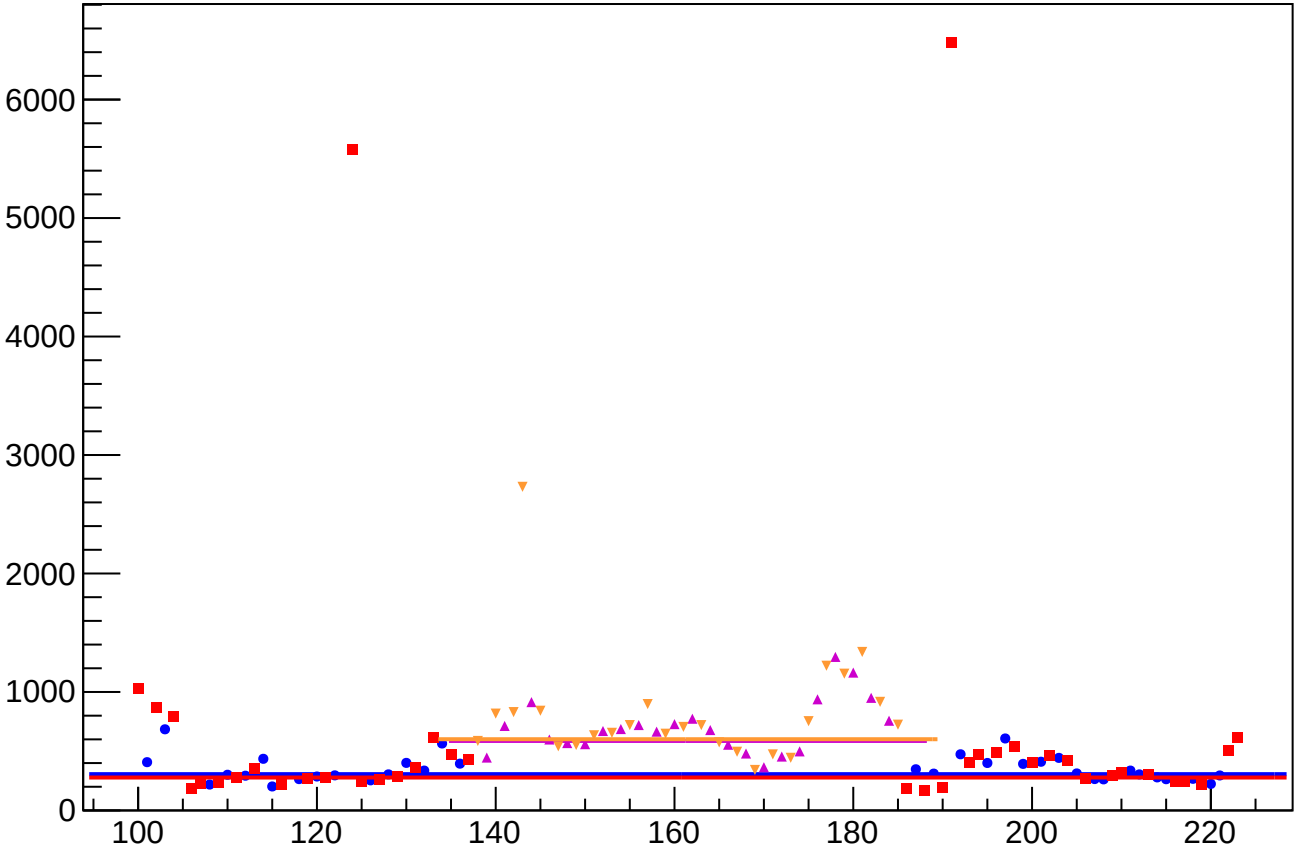
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.063 χ^2/NDF: 64.8/58

All: -0.057+/-0.043 χ^2/NDF: 149.4/120

- sign -0.067+/-0.059 χ^2/NDF: 84.6/61

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 306.469+/-0.049 χ^2/NDF: 2513155.7/33

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 277.912+/-0.046 χ^2/NDF: 5778911.2/38

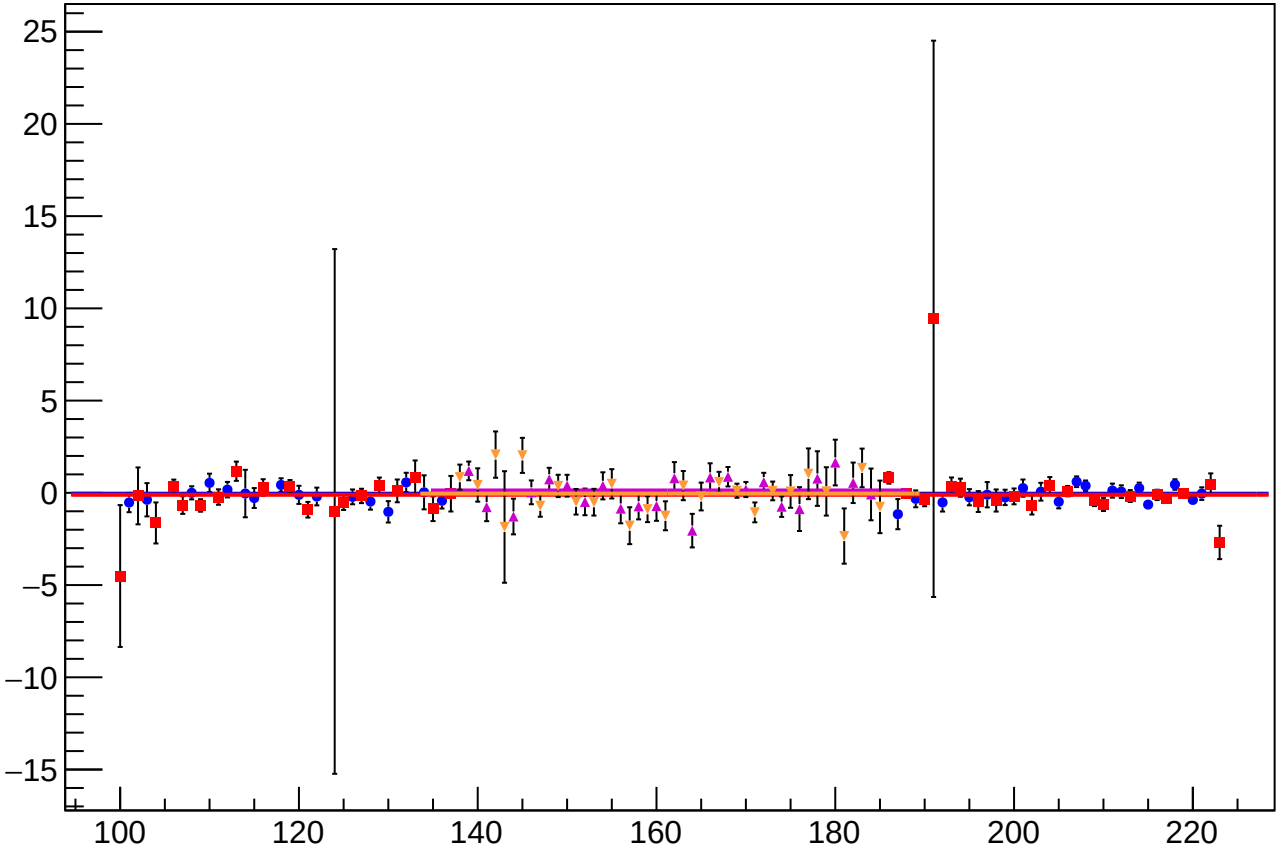
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 359.514+/-0.044 χ^2/NDF: 13521054.3/58

All: 343.349+/-0.030 χ^2/NDF: 30042714.7/12

- sign 328.967+/-0.042 χ^2/NDF: 16269492.0/61

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.047+/-0.069 χ^2/NDF: 34.6/33

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.105+/-0.065 χ^2/NDF: 53.4/38

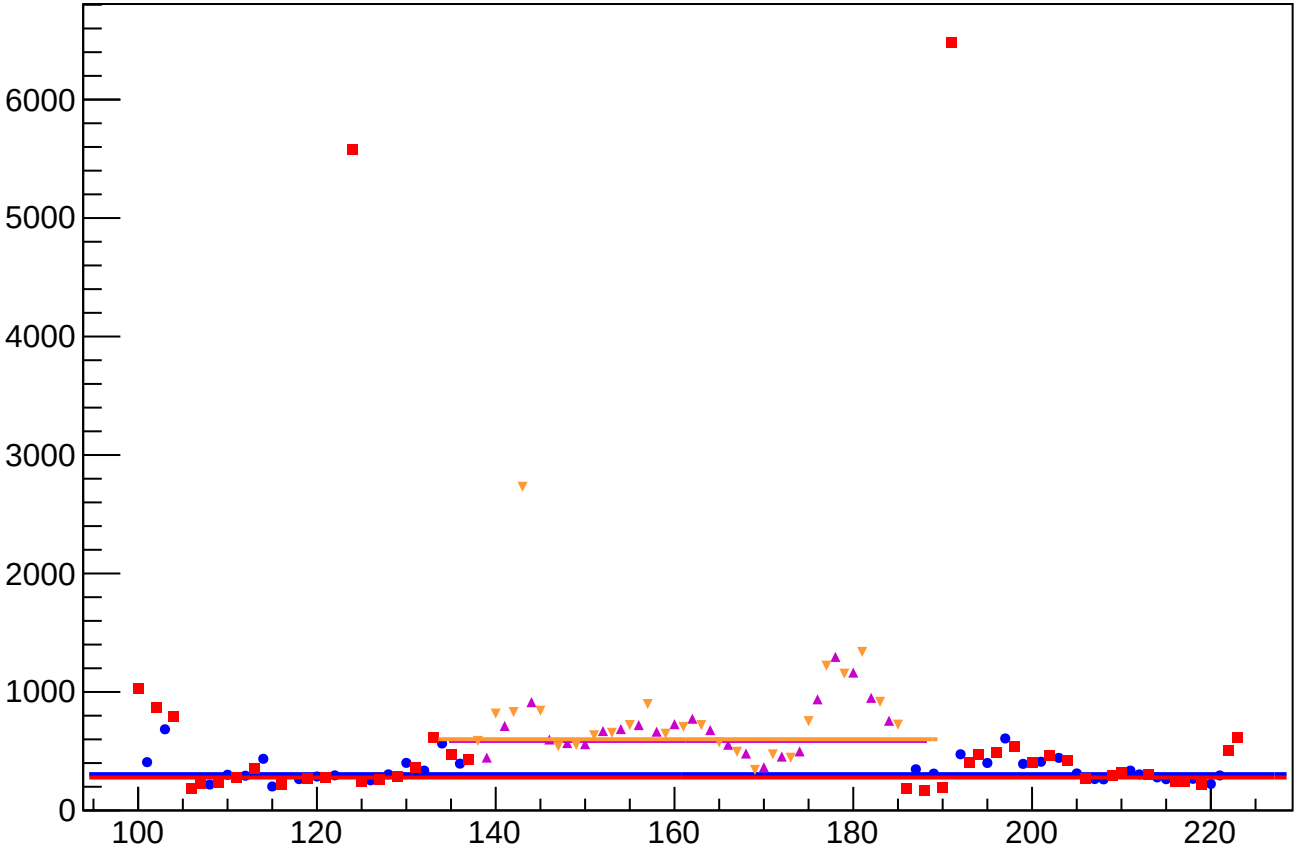
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.063 χ^2/NDF: 64.8/58

All: -0.057+/-0.043 χ^2/NDF: 149.4/120

- sign -0.067+/-0.059 χ^2/NDF: 84.6/61

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 306.469+/-0.049 χ^2/NDF: 2513155.7/33

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

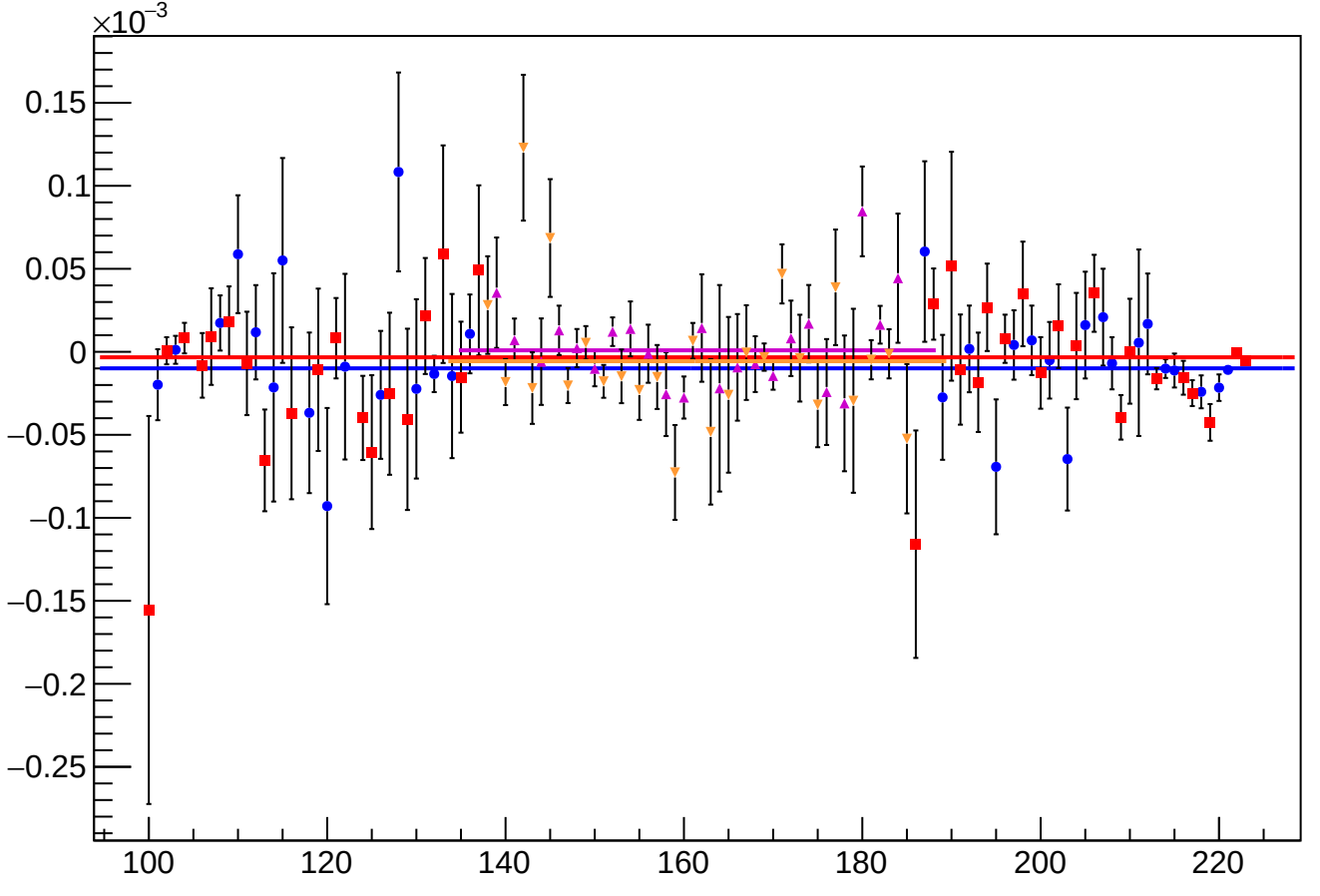
Right Out: 277.912+/-0.046 χ^2/NDF: 5778911.2/38

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 359.514+/-0.044 χ^2/NDF: 13521054.3/58

All: 343.349+/-0.030 χ^2/NDF: 30042714.7/12

- sign 328.967+/-0.042 χ^2/NDF: 16269492.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 65.7/38

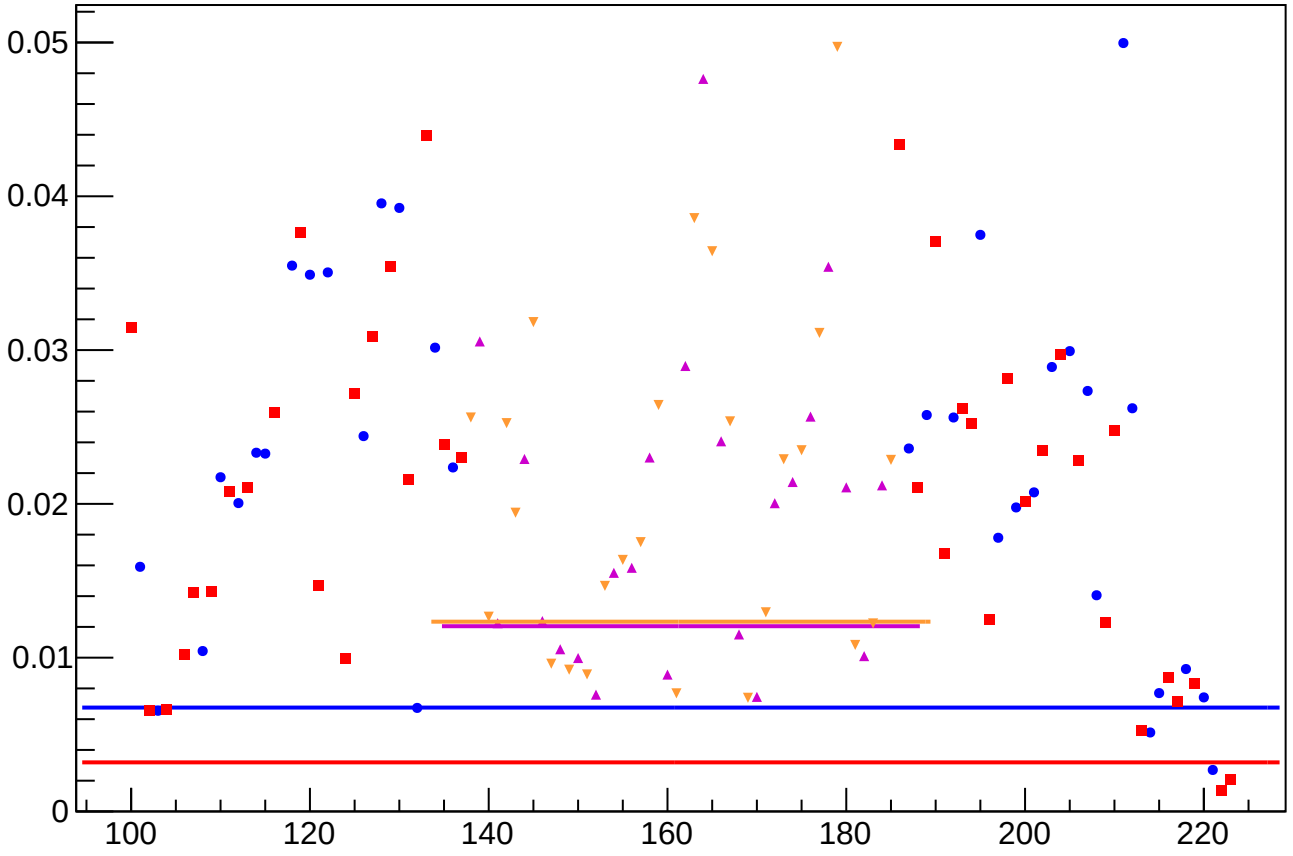
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.7/58

All: -0.000+/-0.000 χ^2/NDF: 181.9/120

- sign -0.000+/-0.000 χ^2/NDF: 97.3/61

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 20586642.8/33

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 29111068.6/38

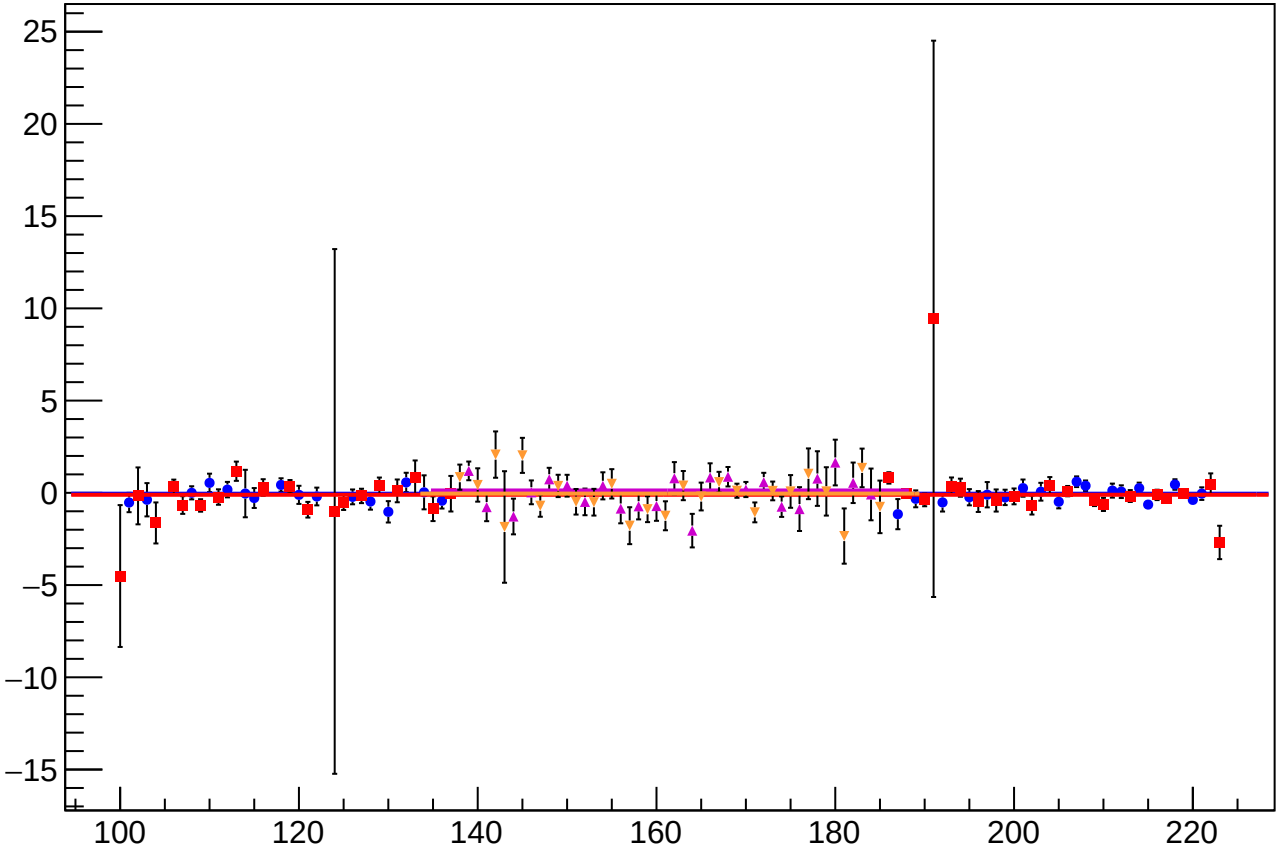
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.008+/-0.000 χ^2/NDF: 32606984.4/58

All: 0.005+/-0.000 χ^2/NDF: 88686272.2/120

- sign 0.004+/-0.000 χ^2/NDF: 48299222.5/61

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.047+/-0.069 χ^2/NDF: 34.6/33

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.105+/-0.065 χ^2/NDF: 53.4/38

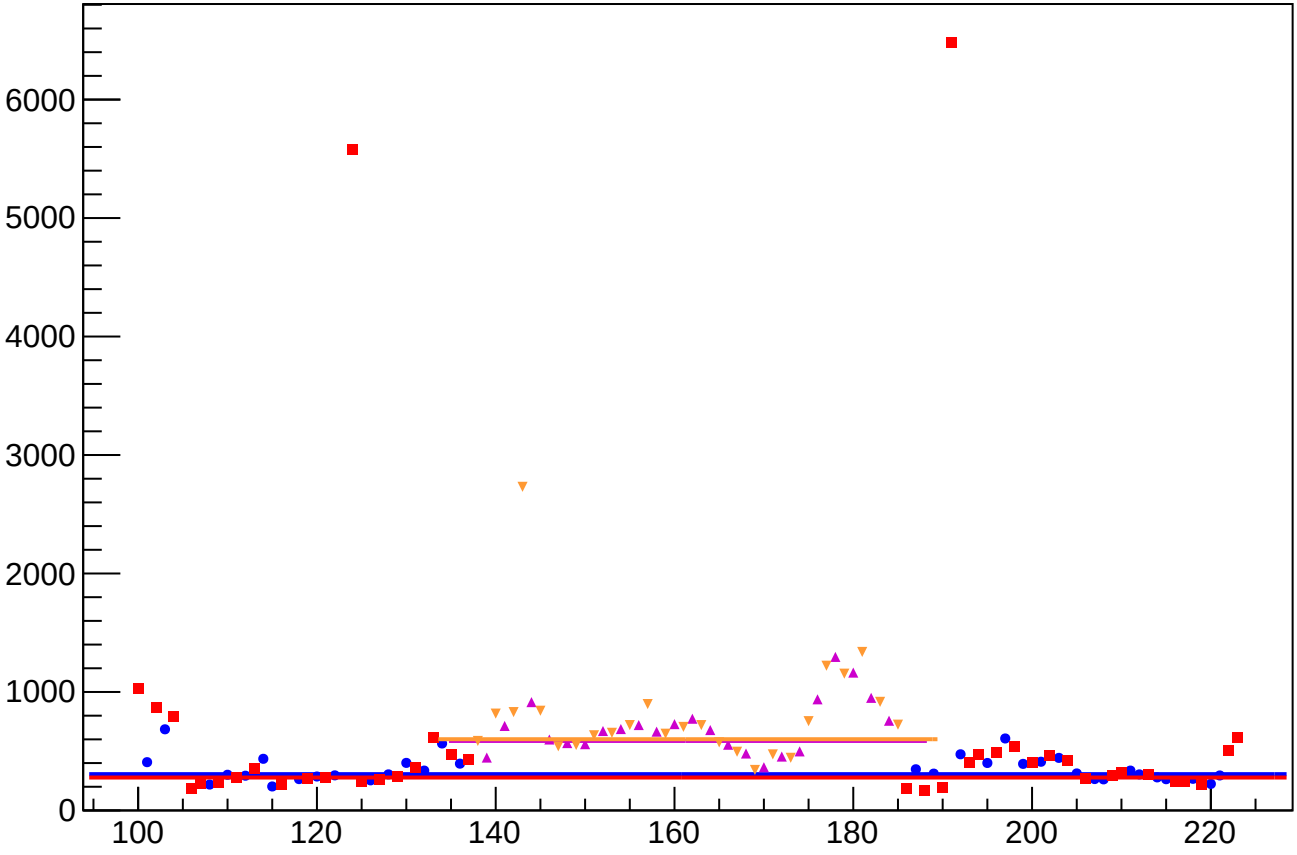
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.063 χ^2/NDF: 64.8/58

All: -0.057+/-0.043 χ^2/NDF: 149.4/120

- sign -0.067+/-0.059 χ^2/NDF: 84.6/61

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 306.468+/-0.049 χ^2/NDF: 2513151.0/33

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

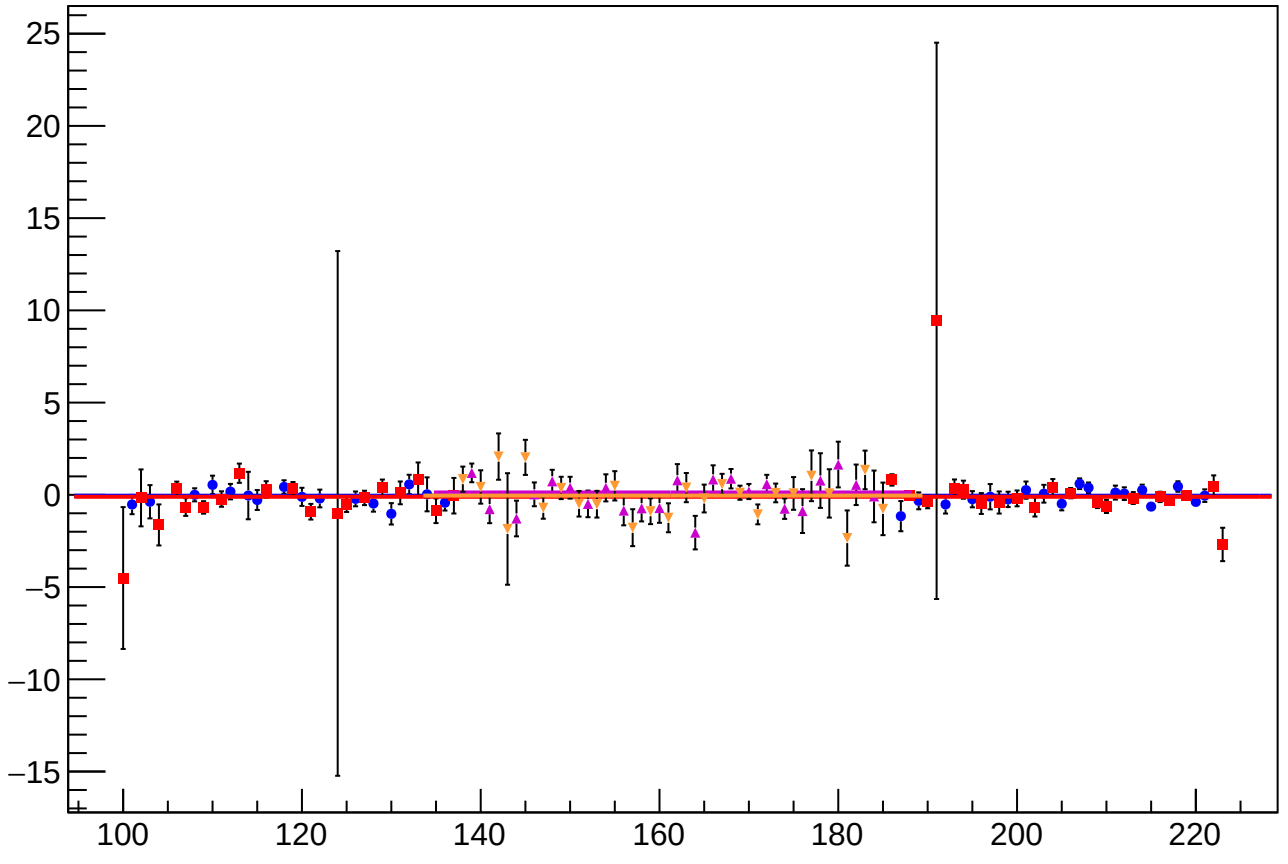
Right Out: 277.908+/-0.046 χ^2/NDF: 5779182.1/38

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 359.513+/-0.044 χ^2/NDF: 13521259.5/58

All: 343.346+/-0.030 χ^2/NDF: 30043651.5/12

- sign 328.963+/-0.042 χ^2/NDF: 16270163.8/61



Right In: -0.047+/-0.069 χ^2/NDF: 34.6/33

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

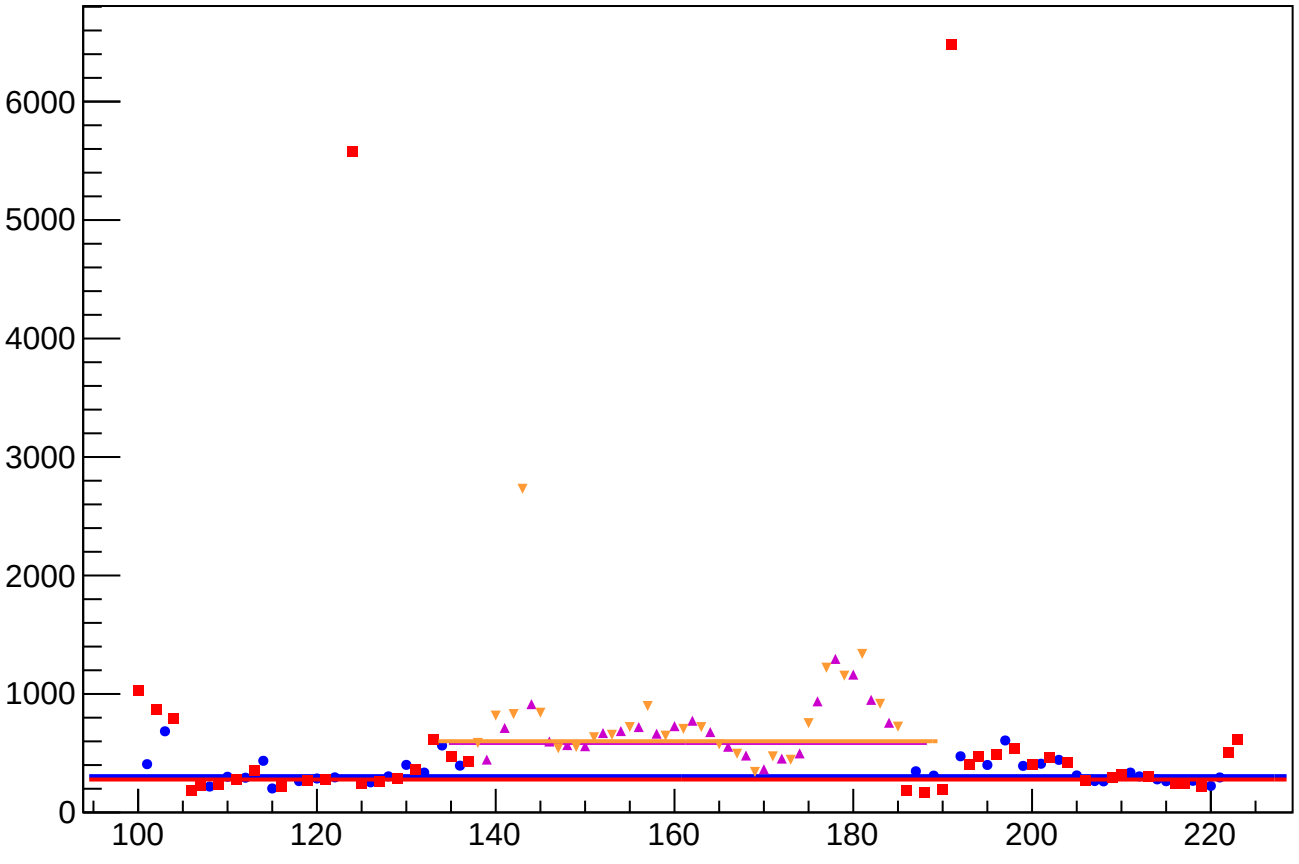
Right Out: -0.105+/-0.065 χ^2/NDF: 53.4/38

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.063 χ^2/NDF: 64.8/58

All: -0.057+/-0.043 χ^2/NDF: 149.4/120

- sign -0.067+/-0.059 χ^2/NDF: 84.6/61



Right In: 306.468+/-0.049 χ^2/NDF: 2513151.0/33

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 277.908+/-0.046 χ^2/NDF: 5779182.1/38

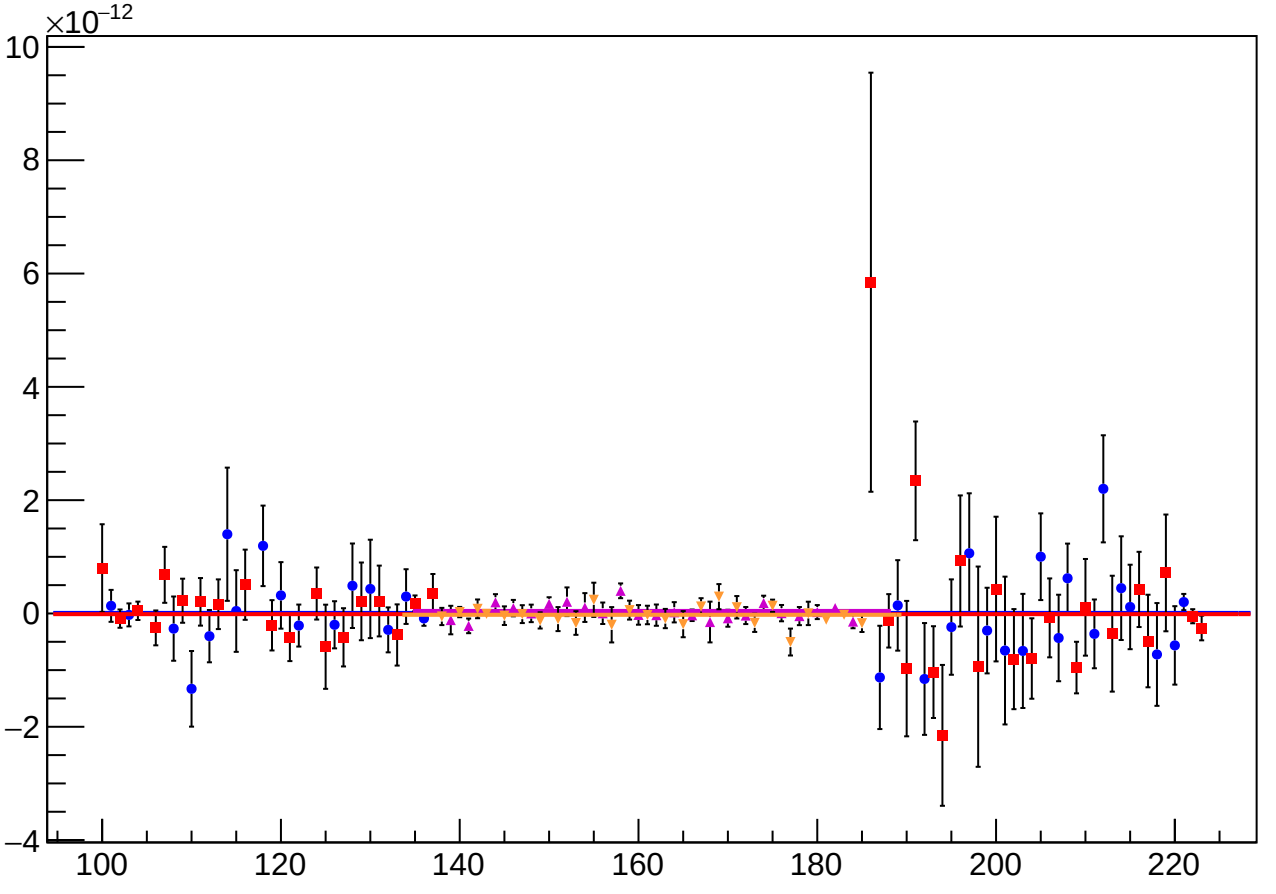
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 359.513+/-0.044 χ^2/NDF: 13521259.5/58

All: 343.346+/-0.030 χ^2/NDF: 30043651.5/12

- sign 328.963+/-0.042 χ^2/NDF: 16270163.8/61

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.5/38

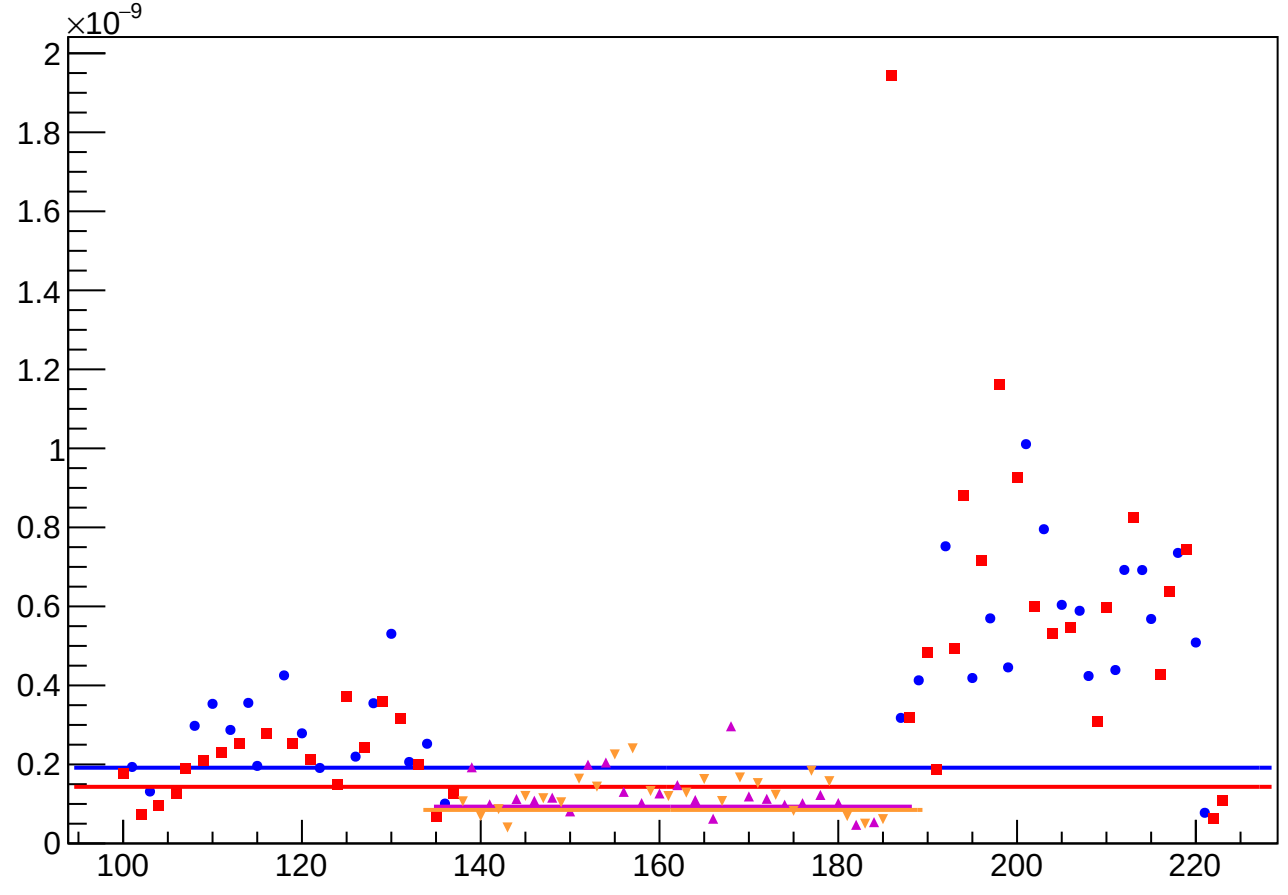
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.1/58

All: 0.000+/-0.000 χ^2/NDF: 106.5/120

- sign 0.000+/-0.000 χ^2/NDF: 58.3/61

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10944749.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12419462.4/38

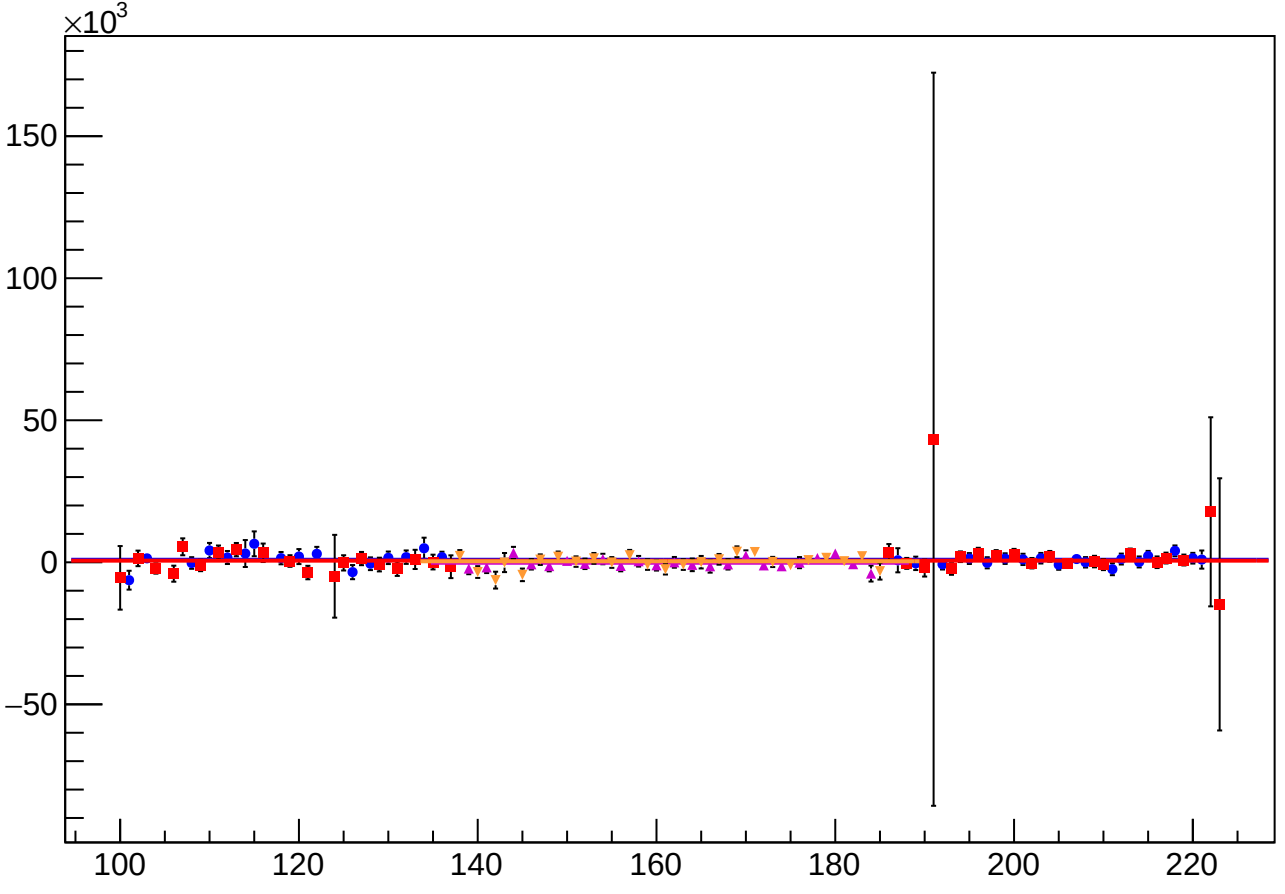
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 20592706.9/58

All: 0.000+/-0.000 χ^2/NDF: 38190019.2/120

- sign 0.000+/-0.000 χ^2/NDF: 17558780.7/61

reg_asym_at2_dd_mean vs Slug



Right In: 893.889+/-370.188 χ^2/NDF: 23.4/33

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.267+/-373.867 χ^2/NDF: 31.7/38

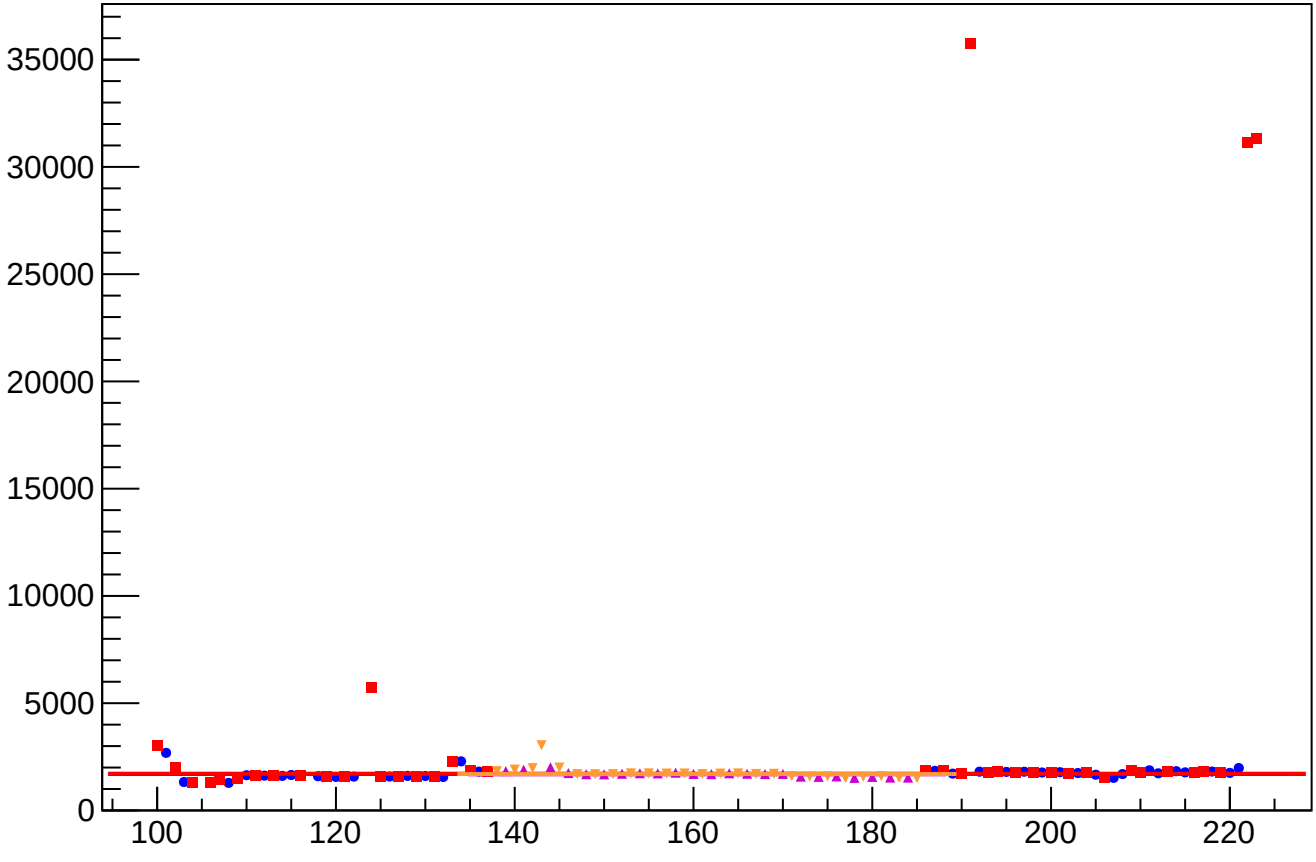
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

\+ sign 640.354+/-267.881 χ^2/NDF: 53.9/58

All: 439.389+/-190.613 χ^2/NDF: 104.7/120

\- sign 233.284+/-271.286 χ^2/NDF: 49.6/61

reg_asym_at2_dd_rms vs Slug



Right In: 1702.306+/-0.262 χ^2/NDF: 548246.6/33

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

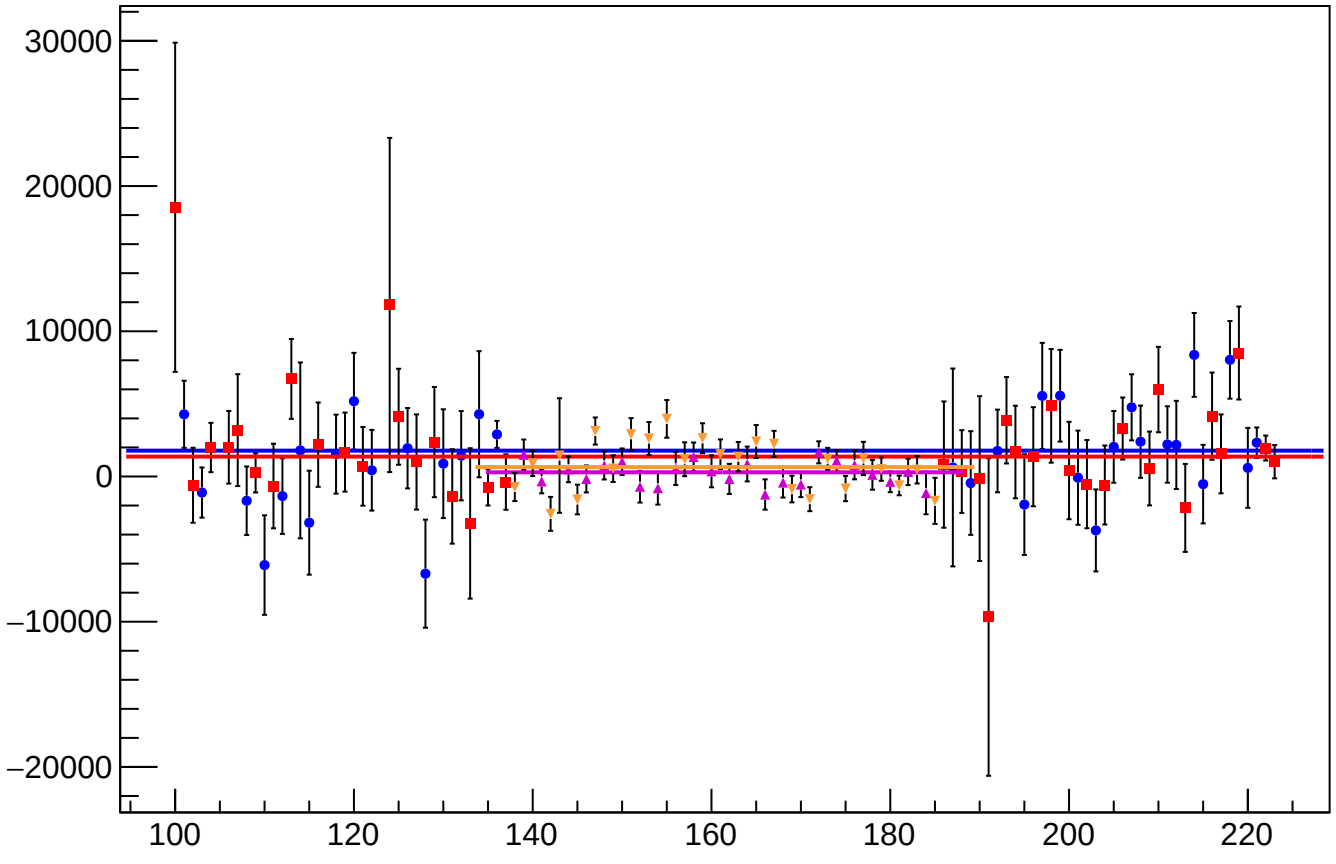
Right Out: 1710.277+/-0.264 χ^2/NDF: 3187455.6/38

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1700.015+/-0.189 χ^2/NDF: 1043805.4/58

All: 1699.074+/-0.135 χ^2/NDF: 4401141.3/12

- sign 1698.109+/-0.192 χ^2/NDF: 3357285.9/61



Right In: 1779.674+/-411.912 χ^2/NDF: 45.0/33

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 1370.973+/-372.873 χ^2/NDF: 30.0/38

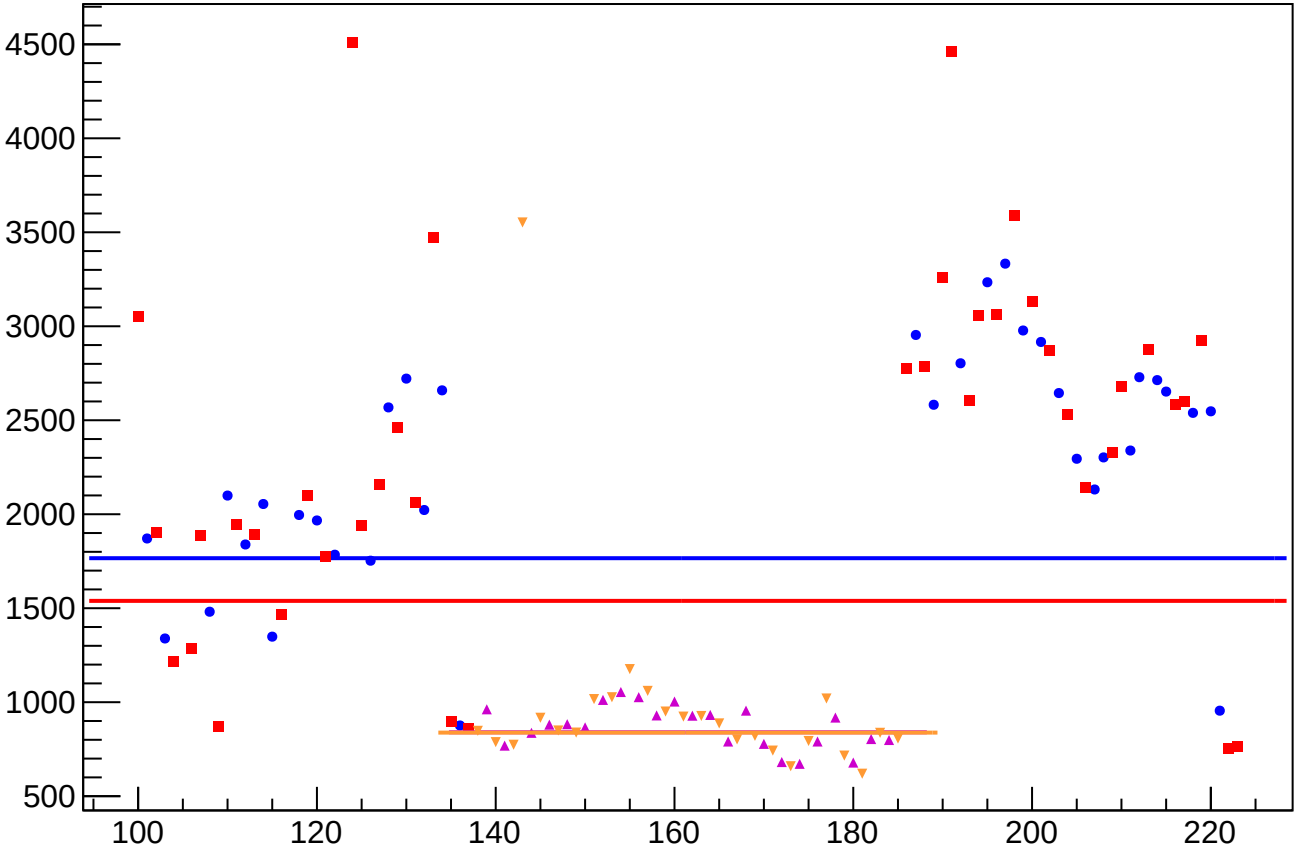
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 857.302+/-176.743 χ^2/NDF: 116.6/58

All: 691.024+/-124.432 χ^2/NDF: 171.5/120

\- sign 527.610+/-175.214 χ^2/NDF: 53.2/61

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1766.120+/-0.291 χ^2/NDF: 6764746.8/33

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1539.062+/-0.264 χ^2/NDF: 10480836.6/38

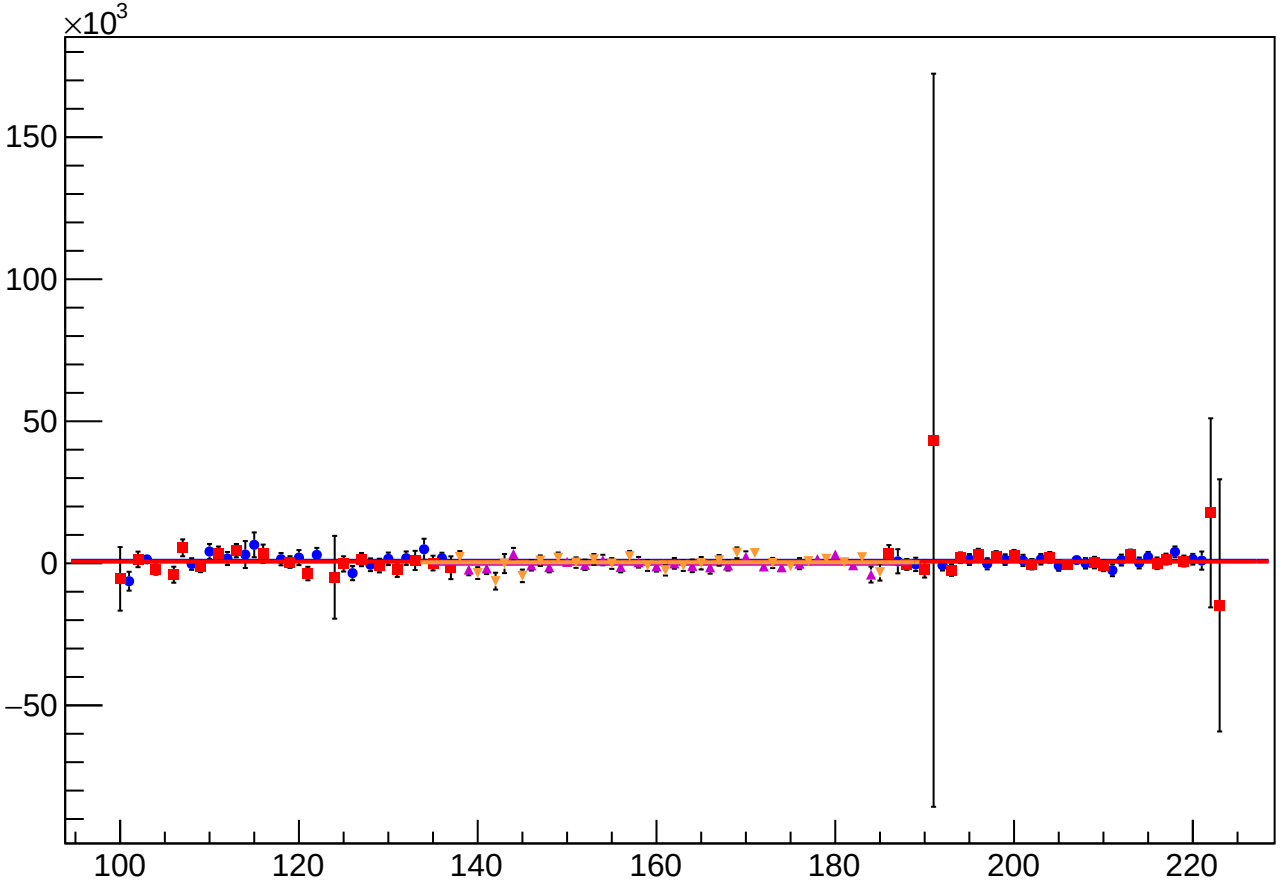
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 1009.073+/-0.125 χ^2/NDF: 16845086.6/58

All: 1001.643+/-0.088 χ^2/NDF: 33480163.1/1

- sign 994.341+/-0.124 χ^2/NDF: 16628067.9/61

cor_asym_at2_dd_mean vs Slug



Right In: 893.909+/-370.188 χ^2/NDF: 23.4/33

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.357+/-373.867 χ^2/NDF: 31.7/38

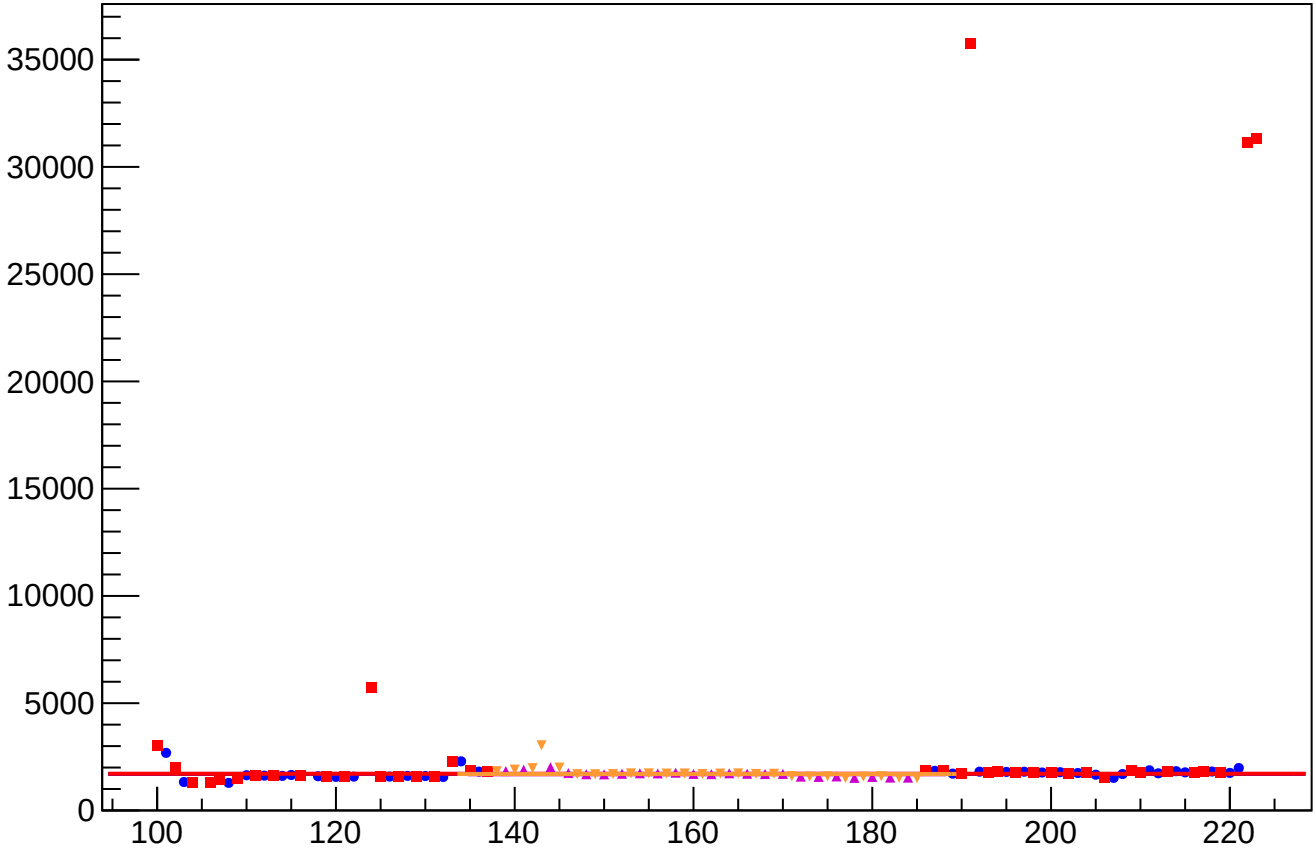
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

\+ sign 640.324+/-267.881 χ^2/NDF: 53.9/58

All: 439.419+/-190.613 χ^2/NDF: 104.7/120

\- sign 233.376+/-271.286 χ^2/NDF: 49.6/61

cor_asym_at2_dd_rms vs Slug



Right In: 1702.306+/-0.262 χ^2/NDF: 548247.0/33

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1710.277+/-0.264 χ^2/NDF: 3187455.8/38

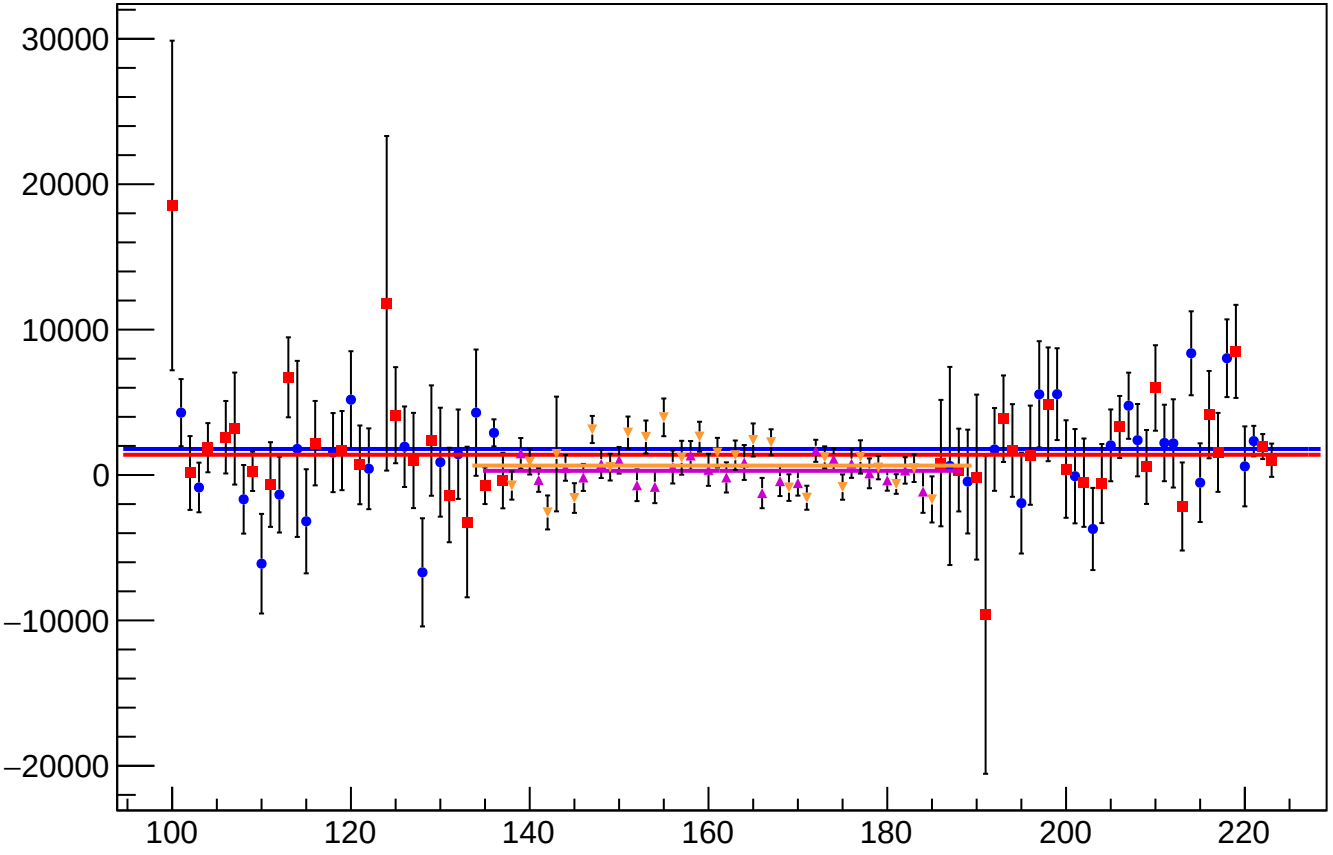
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1700.015+/-0.189 χ^2/NDF: 1043805.7/58

All: 1699.074+/-0.135 χ^2/NDF: 4401141.8/12

- sign 1698.109+/-0.192 χ^2/NDF: 3357286.0/61

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1790.833+/-411.674 χ^2/NDF: 44.6/33

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1393.308+/-372.575 χ^2/NDF: 29.8/38

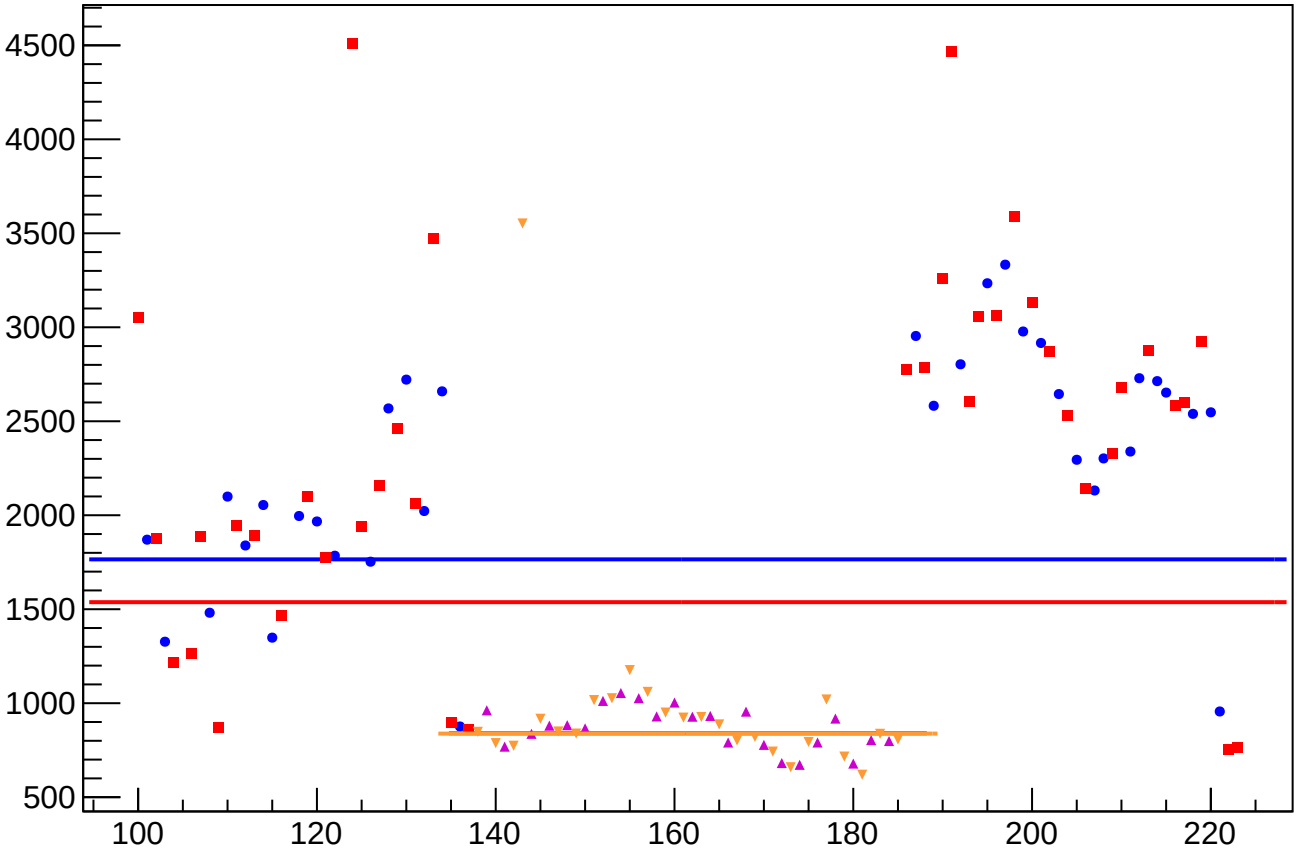
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 859.559+/-176.726 χ^2/NDF: 116.4/58

All: 694.765+/-124.415 χ^2/NDF: 171.3/120

- sign 532.835+/-175.184 χ^2/NDF: 53.2/61

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1765.216+/-0.291 χ^2/NDF: 6769067.0/33

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1537.491+/-0.263 χ^2/NDF: 10488632.1/38

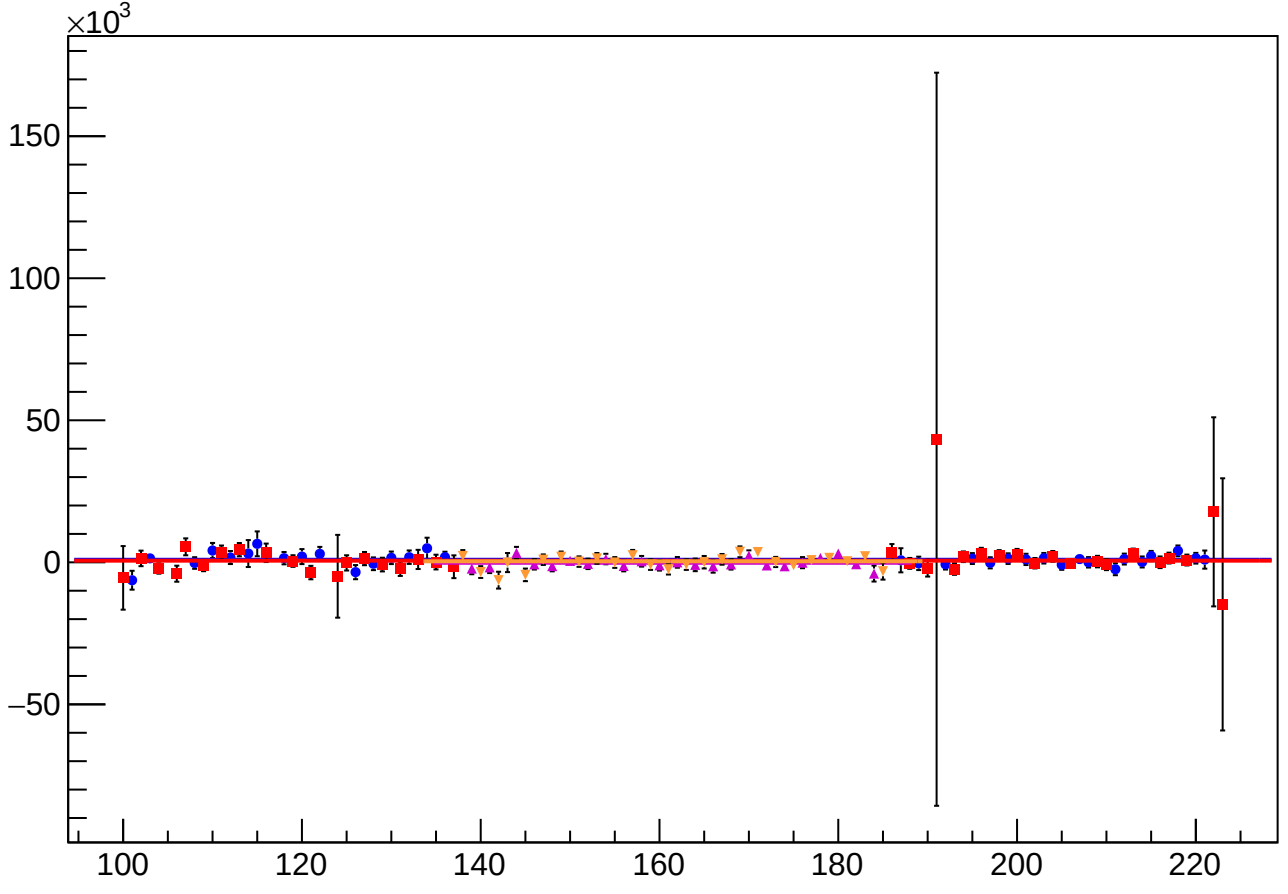
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 1009.080+/-0.125 χ^2/NDF: 16840727.4/58

All: 1001.569+/-0.088 χ^2/NDF: 33465901.6/1

- sign 994.188+/-0.124 χ^2/NDF: 16618010.6/61

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 893.909+/-370.188 χ^2/NDF: 23.4/33

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.357+/-373.867 χ^2/NDF: 31.7/38

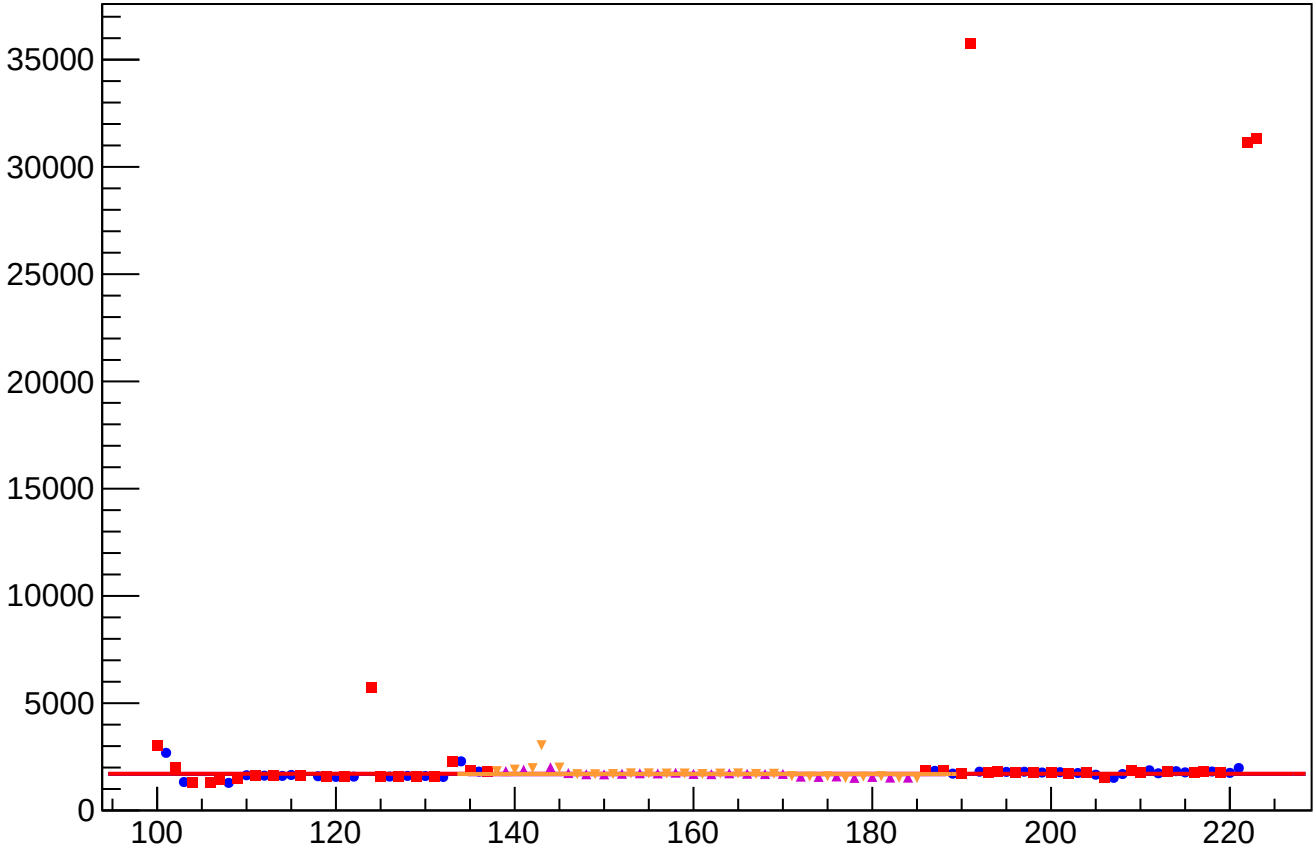
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 640.324+/-267.881 χ^2/NDF: 53.9/58

All: 439.419+/-190.613 χ^2/NDF: 104.7/120

- sign 233.376+/-271.286 χ^2/NDF: 49.6/61

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1702.306+/-0.262 χ^2/NDF: 548247.0/33

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1710.277+/-0.264 χ^2/NDF: 3187455.8/38

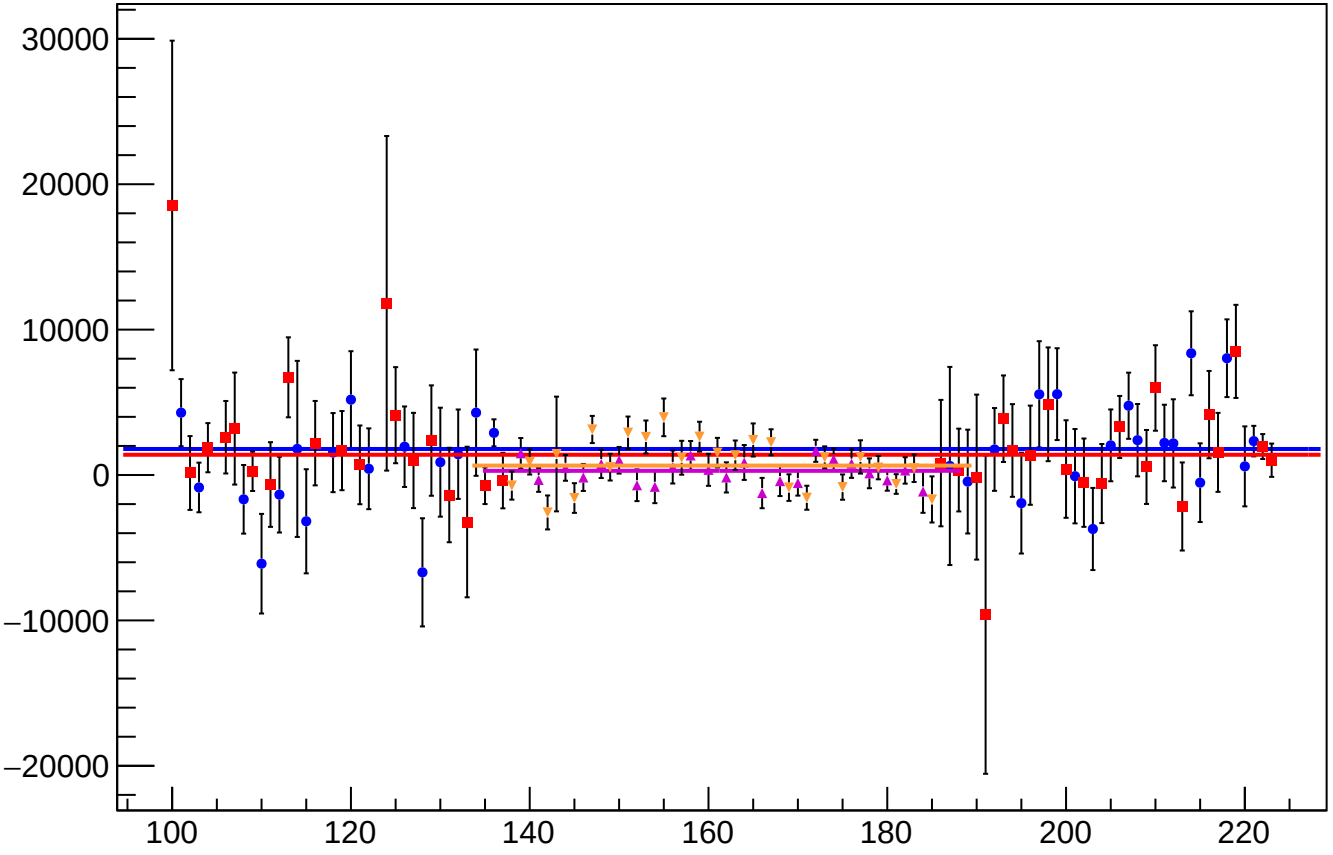
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1700.015+/-0.189 χ^2/NDF: 1043805.7/58

All: 1699.074+/-0.135 χ^2/NDF: 4401141.8/12

- sign 1698.109+/-0.192 χ^2/NDF: 3357286.0/61

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1790.833+/-411.674 χ^2/NDF: 44.6/33

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1393.308+/-372.575 χ^2/NDF: 29.8/38

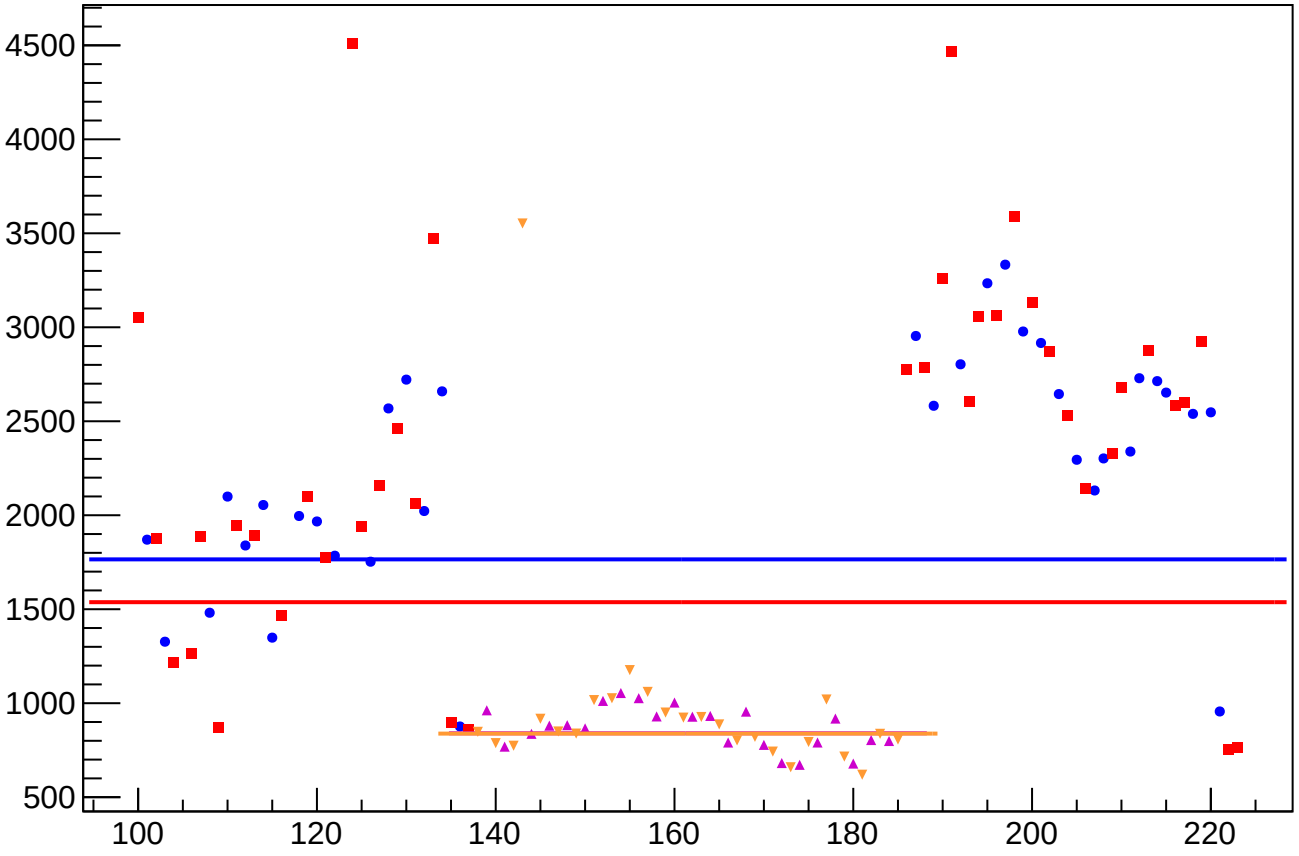
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 859.559+/-176.726 χ^2/NDF: 116.4/58

All: 694.765+/-124.415 χ^2/NDF: 171.3/120

- sign 532.835+/-175.184 χ^2/NDF: 53.2/61

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1765.216+/-0.291 χ^2/NDF: 6769067.0/33

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1537.491+/-0.263 χ^2/NDF: 10488632.1/38

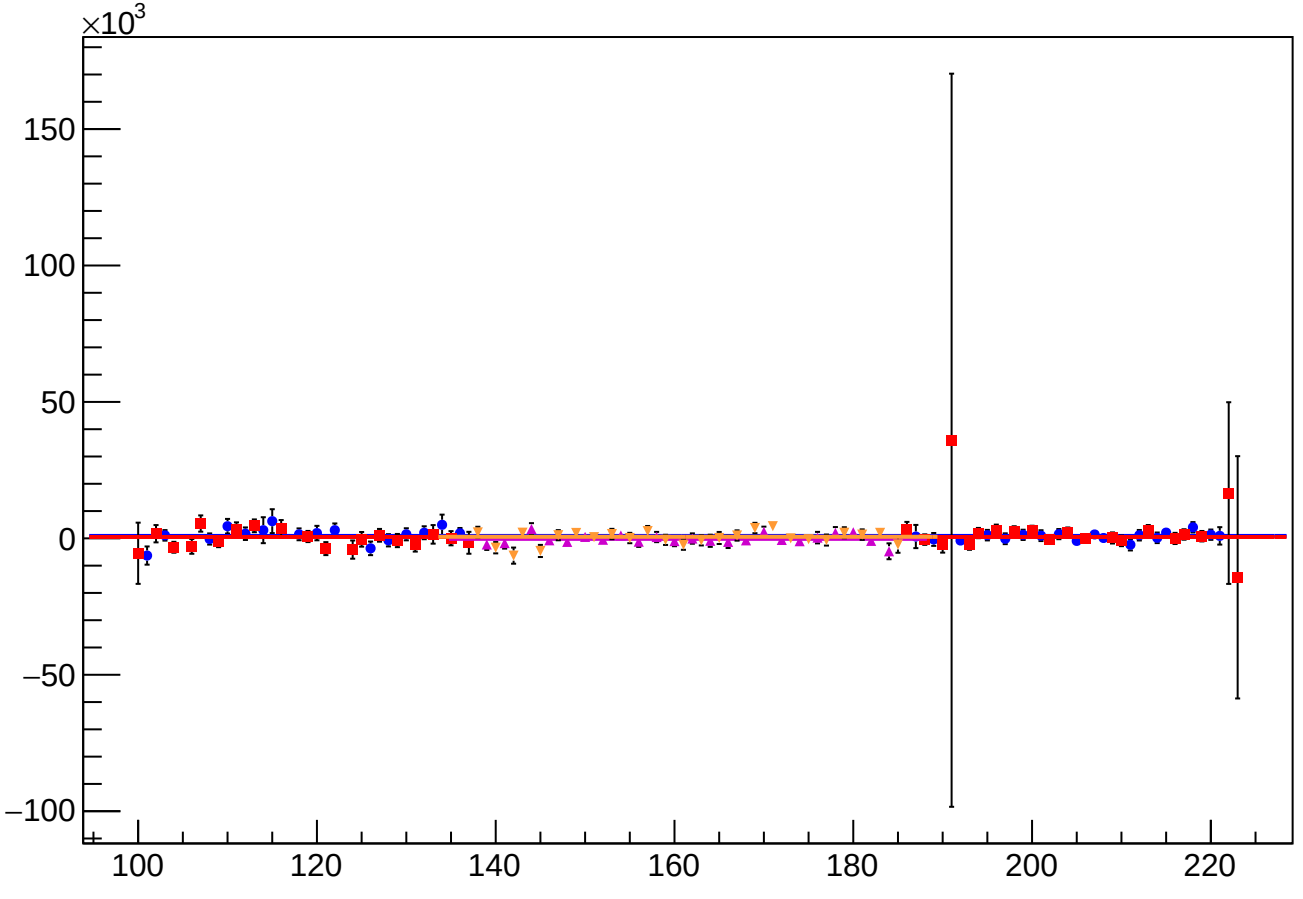
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 1009.080+/-0.125 χ^2/NDF: 16840727.4/58

All: 1001.569+/-0.088 χ^2/NDF: 33465901.6/1

- sign 994.188+/-0.124 χ^2/NDF: 16618010.6/61

dit_asym_at2_dd_mean vs Slug



Right In: 886.246+/-372.370 χ^2/NDF: 23.8/33

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 501.978+/-374.314 χ^2/NDF: 34.1/38

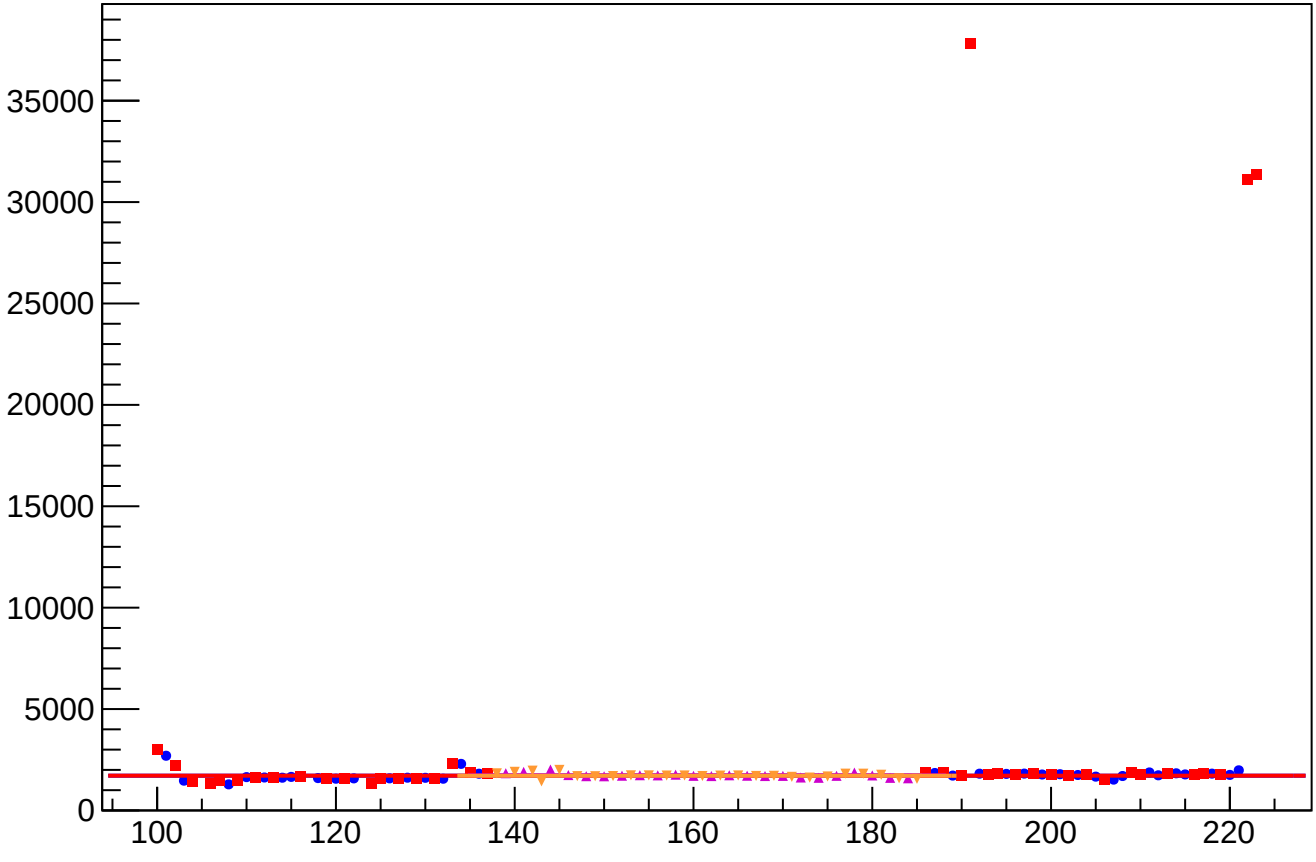
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 740.253+/-269.246 χ^2/NDF: 56.1/58

All: 467.777+/-192.252 χ^2/NDF: 108.2/120

- sign 184.346+/-274.605 χ^2/NDF: 50.1/61

dit_asym_at2_dd_rms vs Slug



Right In: 1713.601+/-0.263 χ^2/NDF: 486563.6/33

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1714.863+/-0.265 χ^2/NDF: 3045350.2/38

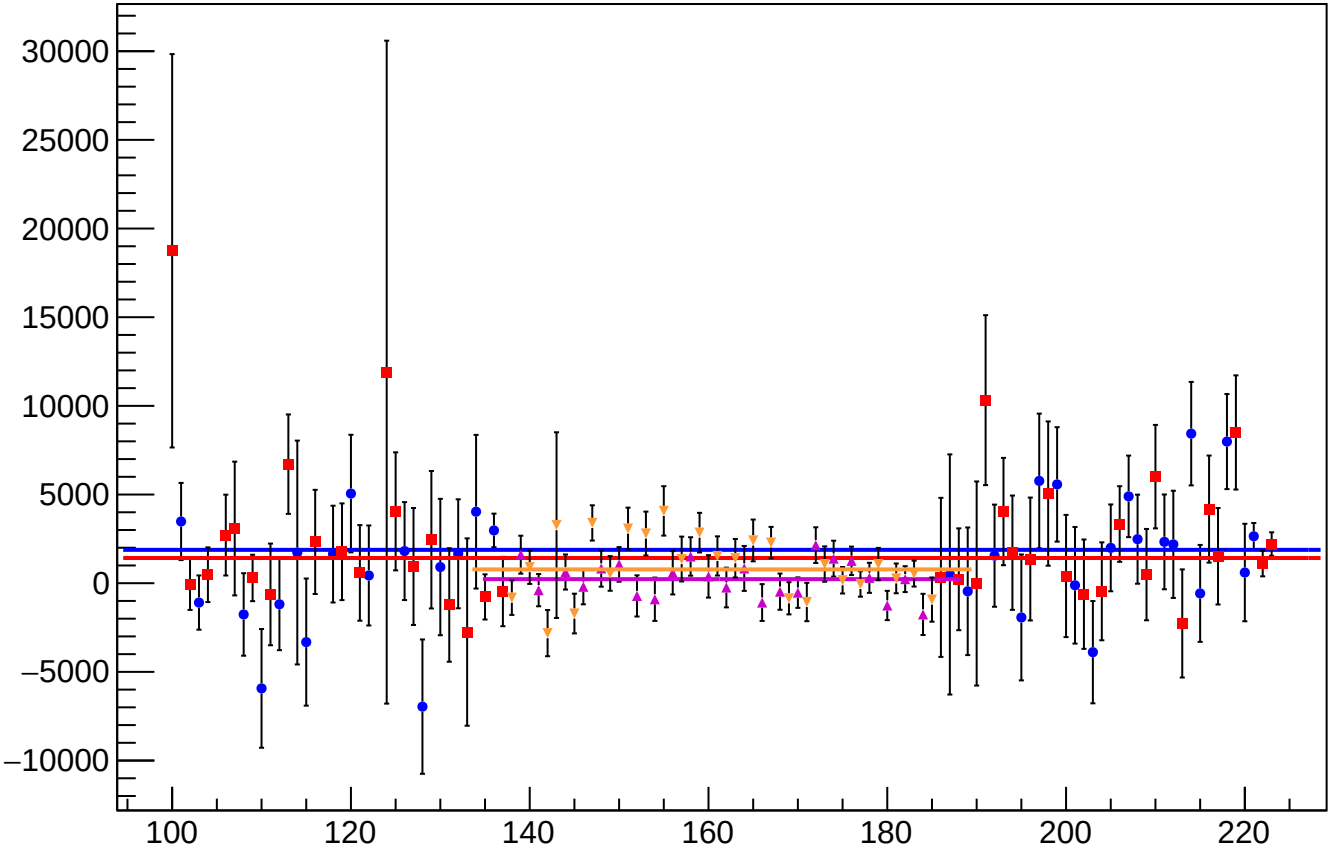
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1712.699+/-0.190 χ^2/NDF: 654594.5/58

All: 1716.713+/-0.136 χ^2/NDF: 3802201.1/12

- sign 1720.889+/-0.194 χ^2/NDF: 3146699.6/61

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1881.087+/-382.970 χ^2/NDF: 46.5/33

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 1421.190+/-321.278 χ^2/NDF: 34.1/38

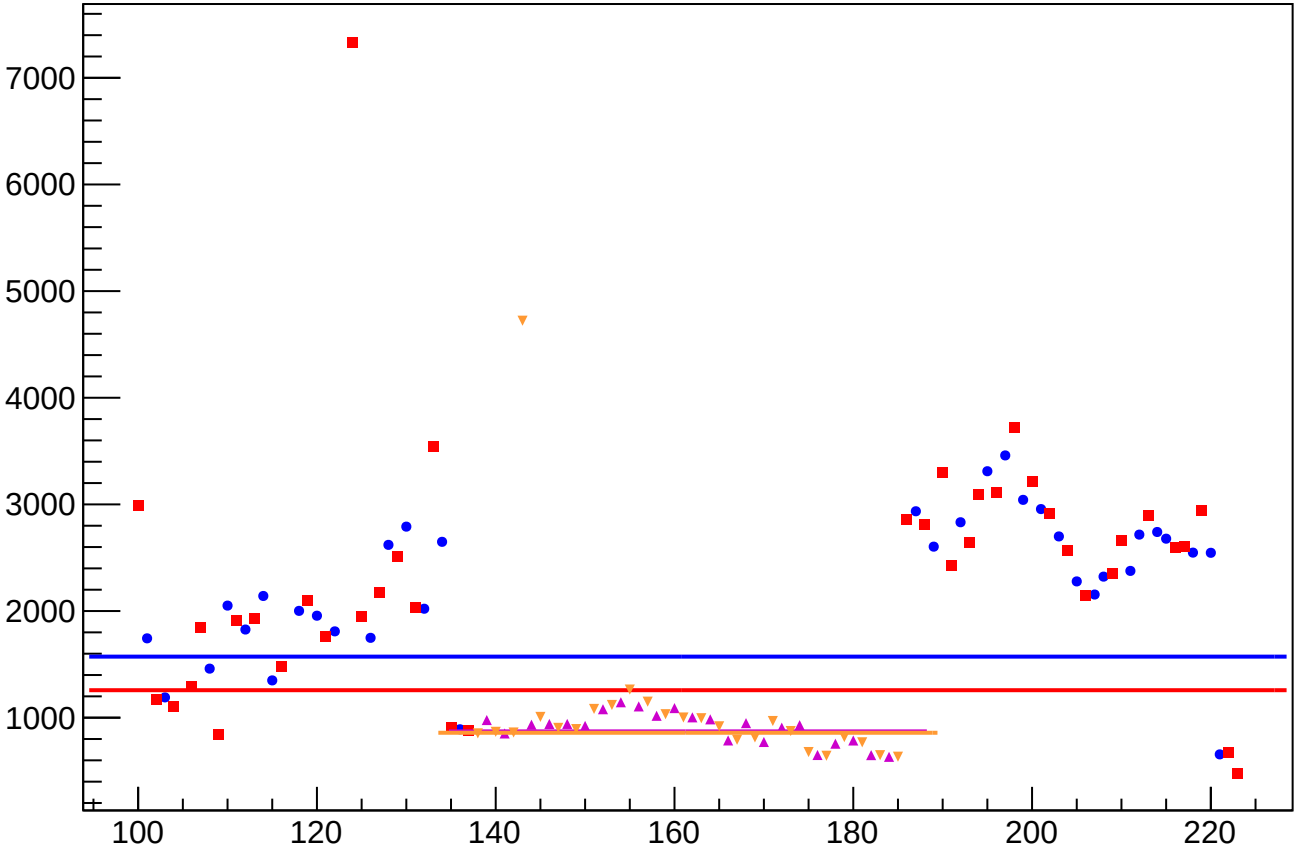
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 1018.188+/-178.421 χ^2/NDF: 107.5/58

All: 792.328+/-124.509 χ^2/NDF: 177.1/120

- sign 577.933+/-173.833 χ^2/NDF: 66.4/61

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1572.540+/-0.271 χ^2/NDF: 9677319.6/33

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1257.627+/-0.227 χ^2/NDF: 14727996.2/38

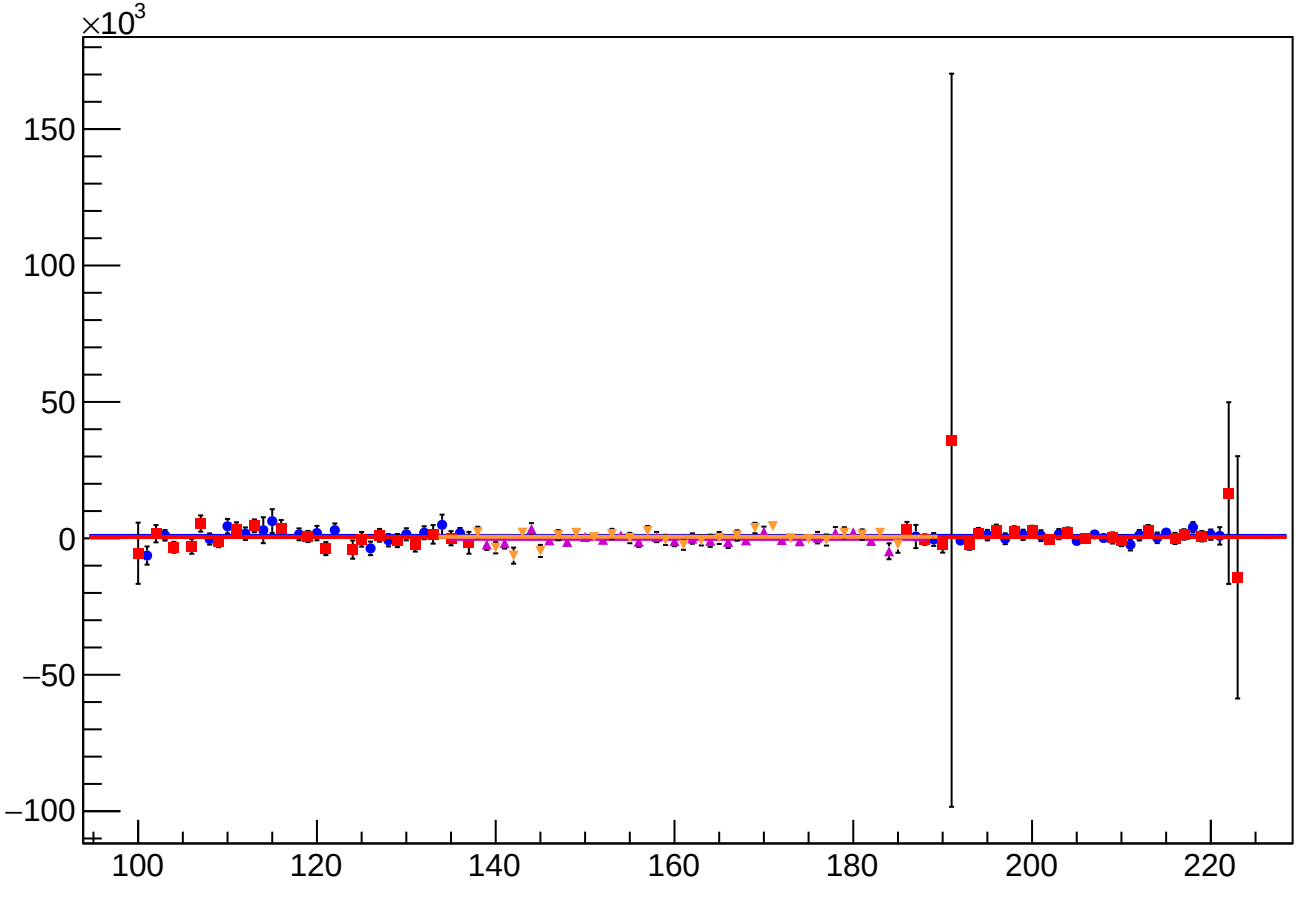
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 1013.555+/-0.126 χ^2/NDF: 17399184.9/58

All: 998.680+/-0.088 χ^2/NDF: 35176500.9/12

- sign 984.559+/-0.123 χ^2/NDF: 17750216.8/61

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 886.238+/-372.370 χ^2/NDF: 23.8/33

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 501.973+/-374.314 χ^2/NDF: 34.1/38

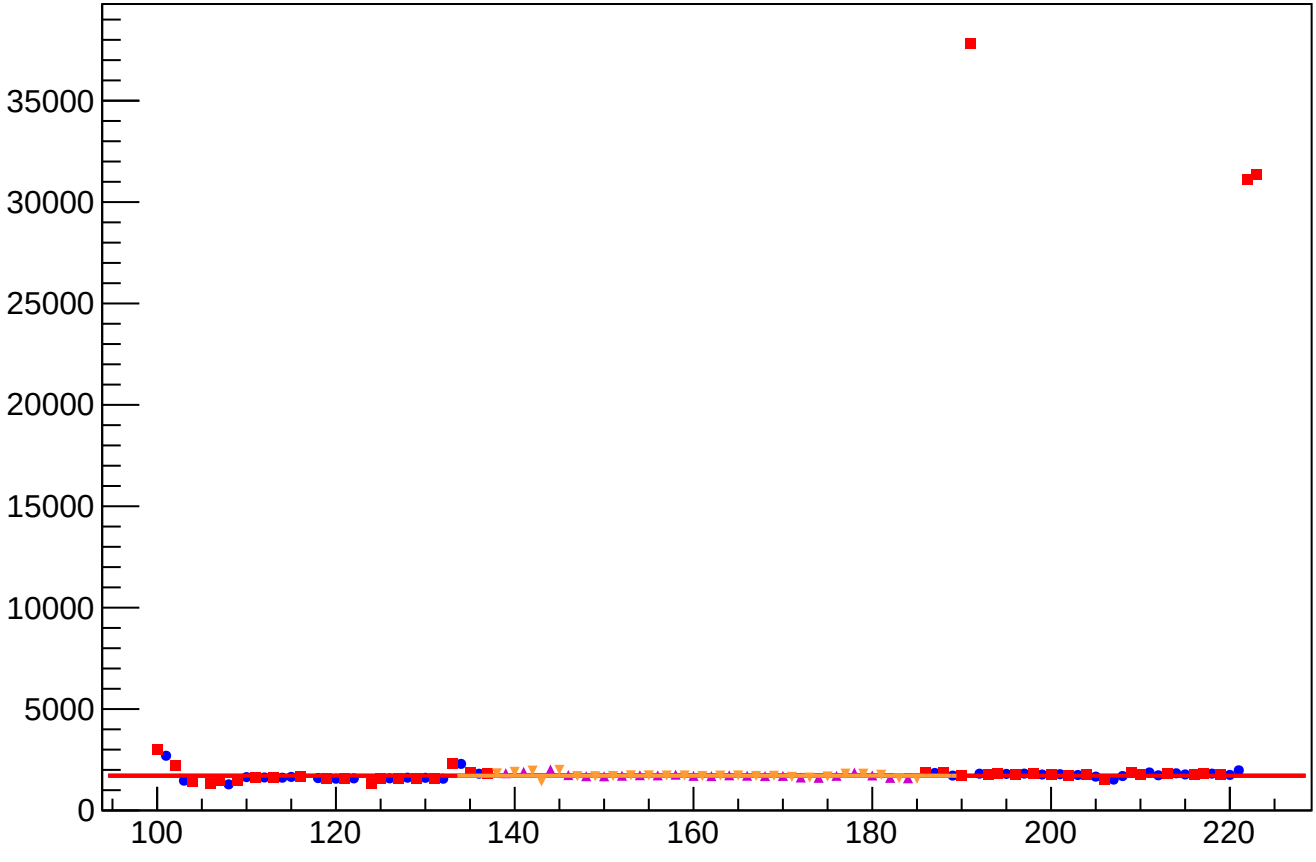
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

\+ sign 740.247+/-269.246 χ^2/NDF: 56.1/58

All: 467.772+/-192.252 χ^2/NDF: 108.2/120

\- sign 184.343+/-274.605 χ^2/NDF: 50.1/61

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1713.600+/-0.263 χ^2/NDF: 486563.5/33

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1714.863+/-0.265 χ^2/NDF: 3045350.4/38

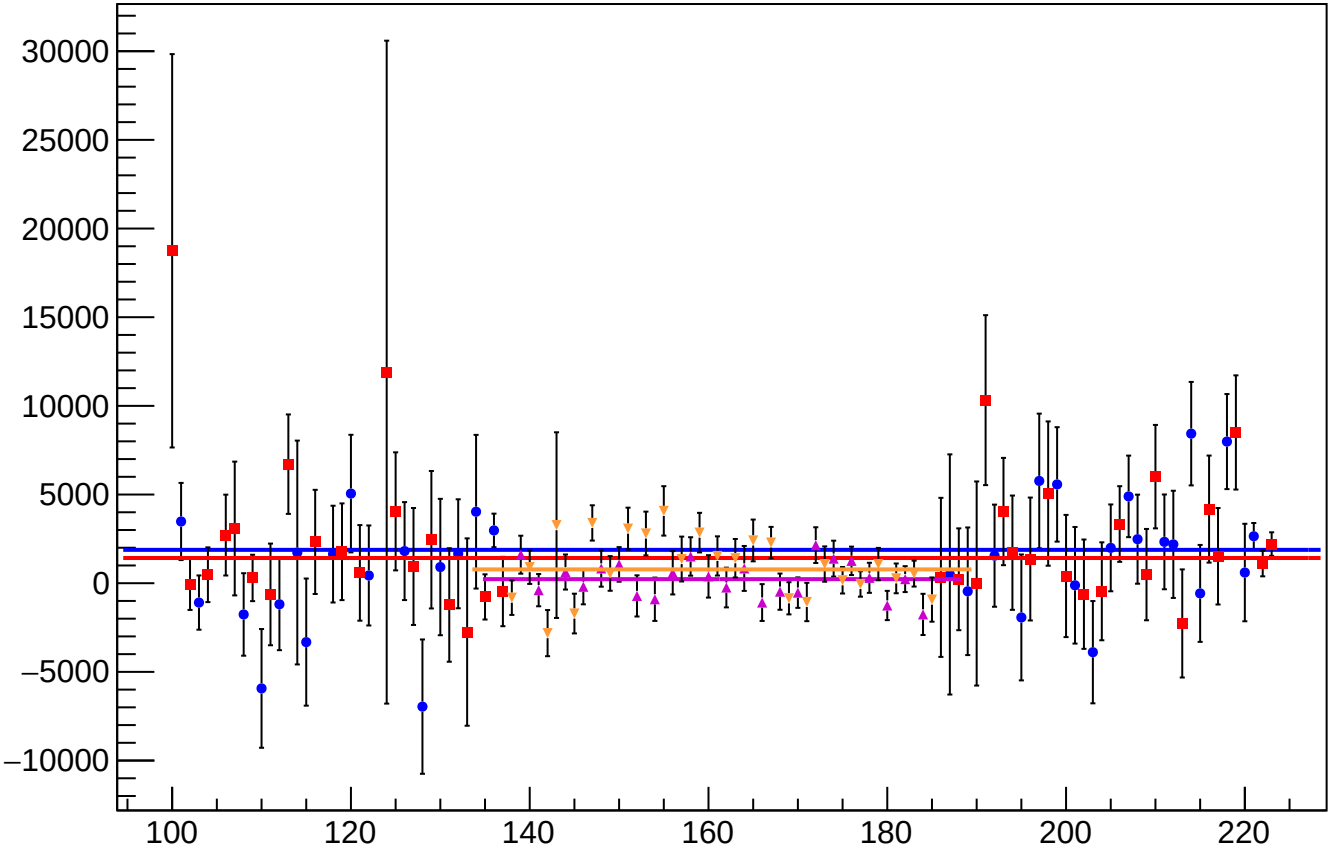
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1712.699+/-0.190 χ^2/NDF: 654593.2/58

All: 1716.713+/-0.136 χ^2/NDF: 3802199.9/12

- sign 1720.889+/-0.194 χ^2/NDF: 3146699.7/61

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1881.088+/-382.971 χ^2/NDF: 46.5/33

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 1421.197+/-321.279 χ^2/NDF: 34.1/38

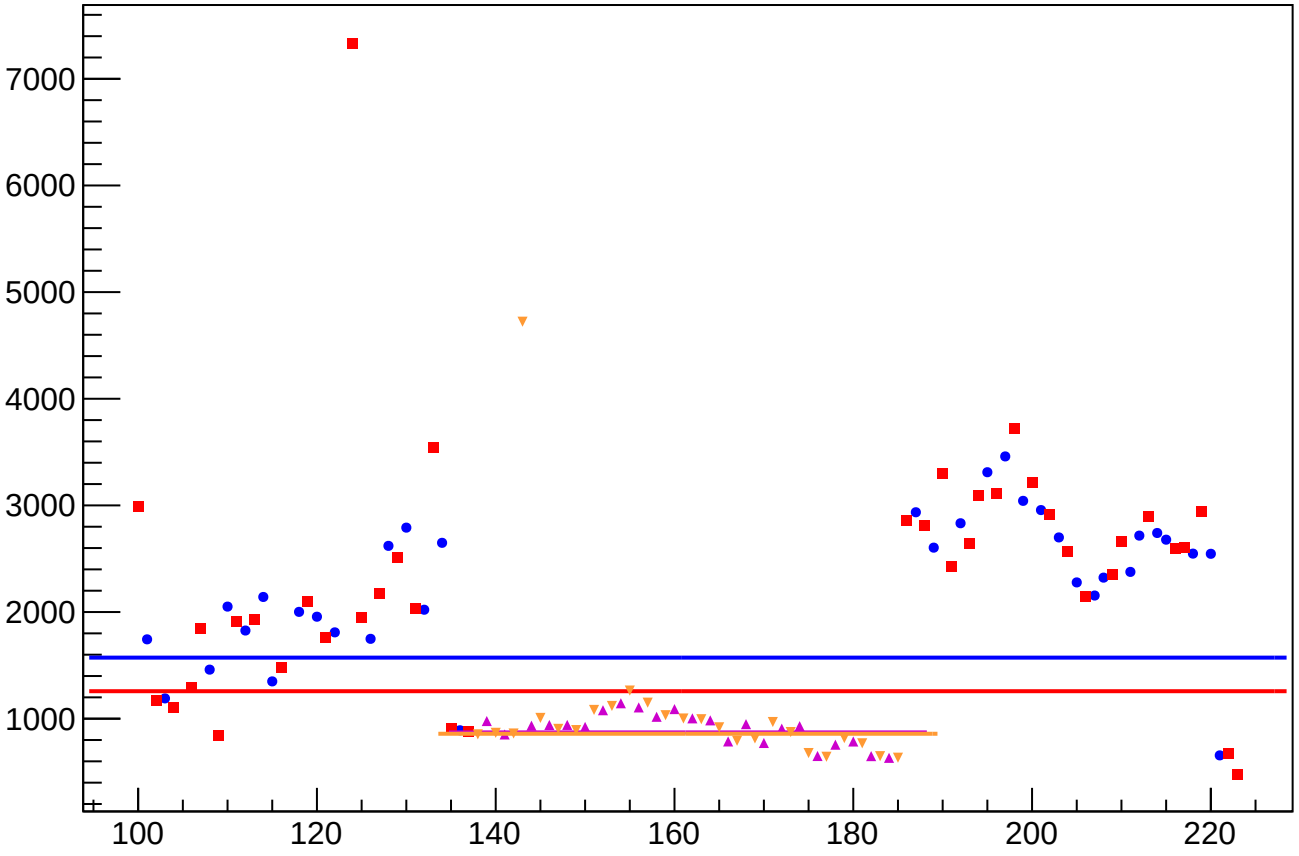
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 1018.190+/-178.421 χ^2/NDF: 107.5/58

All: 792.327+/-124.509 χ^2/NDF: 177.1/120

- sign 577.931+/-173.833 χ^2/NDF: 66.4/61

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1572.547+/-0.271 χ^2/NDF: 9677176.1/33

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1257.632+/-0.227 χ^2/NDF: 14727936.1/38

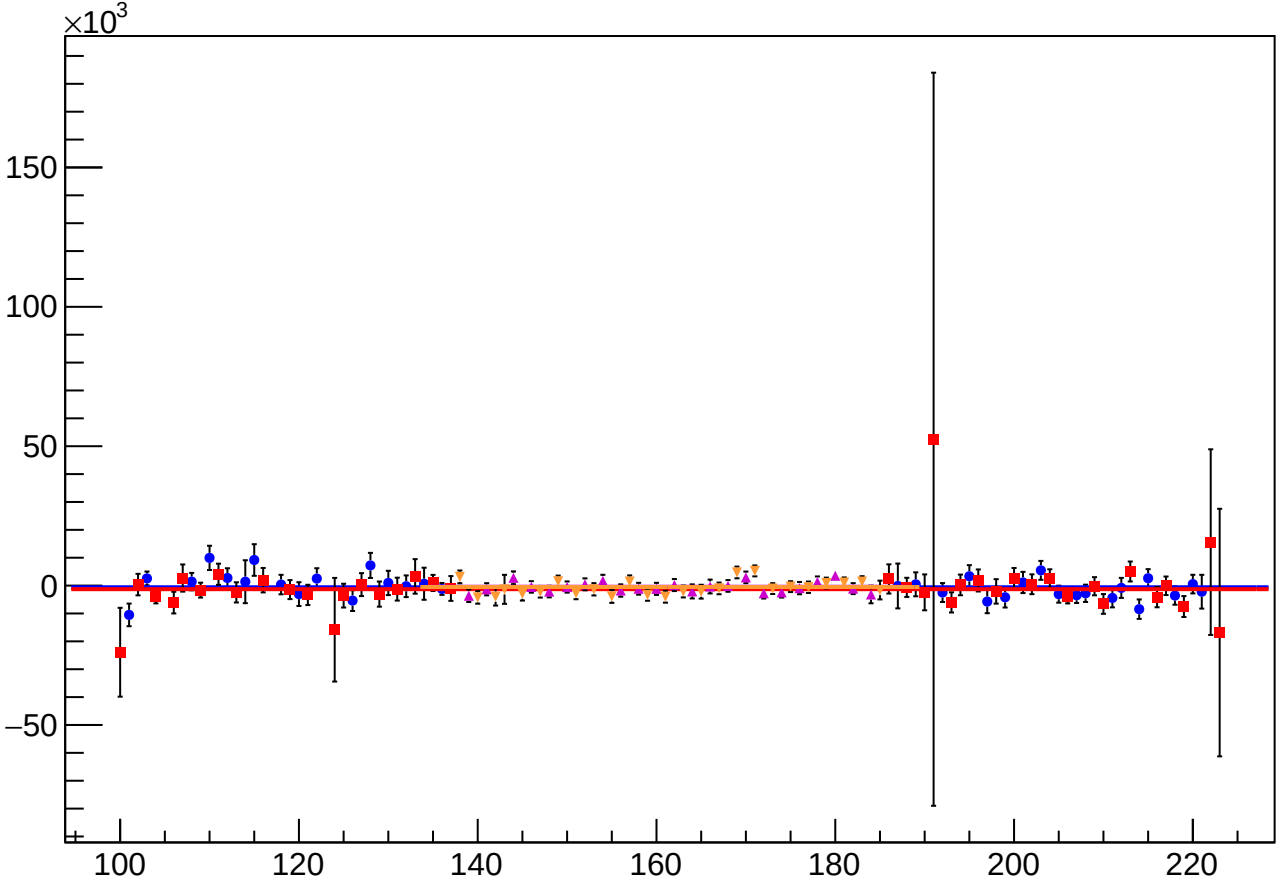
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 1013.556+/-0.126 χ^2/NDF: 17399118.4/58

All: 998.680+/-0.088 χ^2/NDF: 35176435.9/12

- sign 984.559+/-0.123 χ^2/NDF: 17750216.3/61

asym_at2_dd_mean vs Slug



Right In: -603.043+/-619.422 χ^2/NDF: 41.7/33

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1283.054+/-626.875 χ^2/NDF: 26.9/38

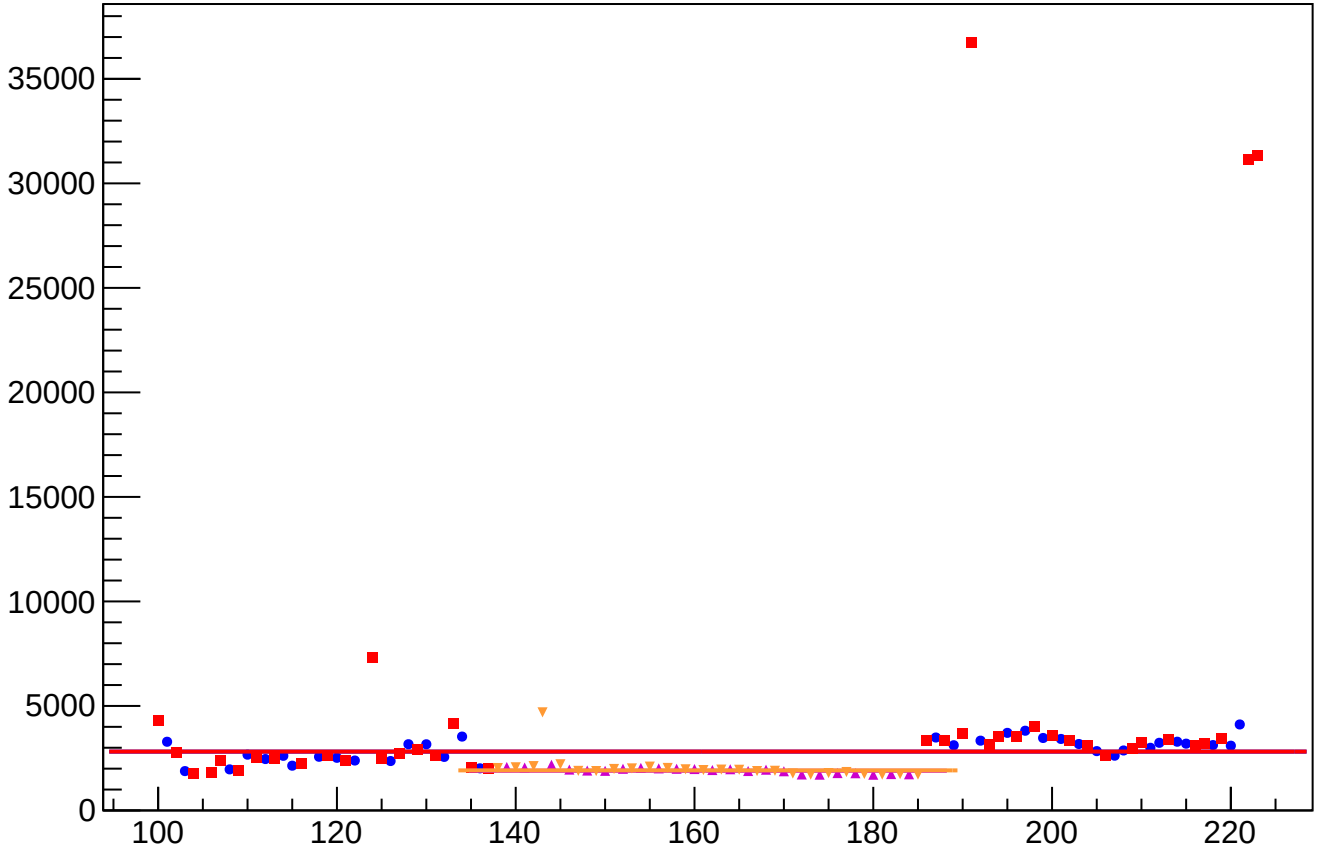
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -535.557+/-358.666 χ^2/NDF: 77.6/58

All: -618.377+/-255.007 χ^2/NDF: 124.8/120

- sign -703.041+/-362.636 χ^2/NDF: 47.0/61

asym_at2_dd_rms vs Slug



Right In: 2814.576+/-0.438 χ^2/NDF: 1589526.8/33

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2817.457+/-0.443 χ^2/NDF: 4449976.9/38

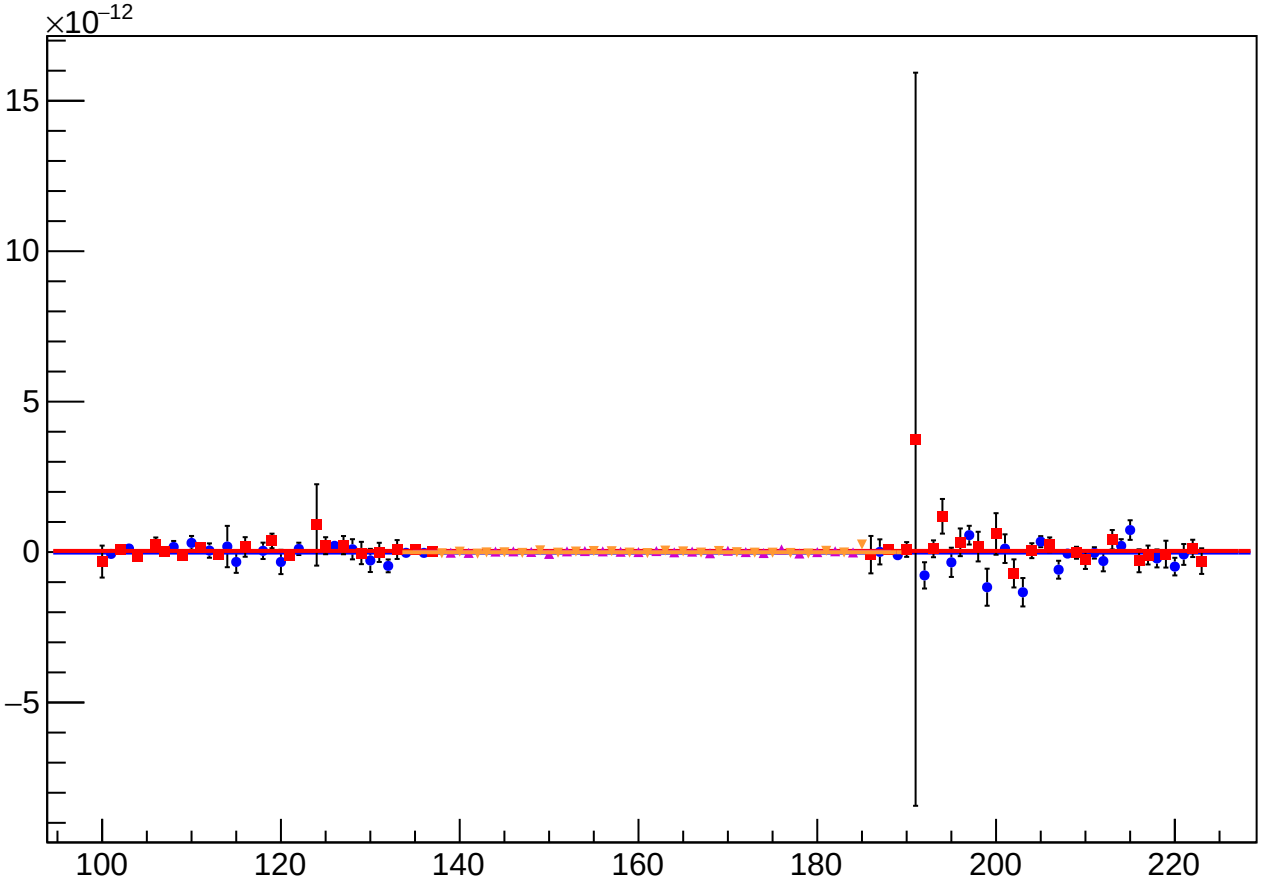
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2218.044+/-0.254 χ^2/NDF: 5136452.6/58

All: 2212.345+/-0.180 χ^2/NDF: 12615861.5/1

- sign 2206.519+/-0.256 χ^2/NDF: 7478387.6/61

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 51.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

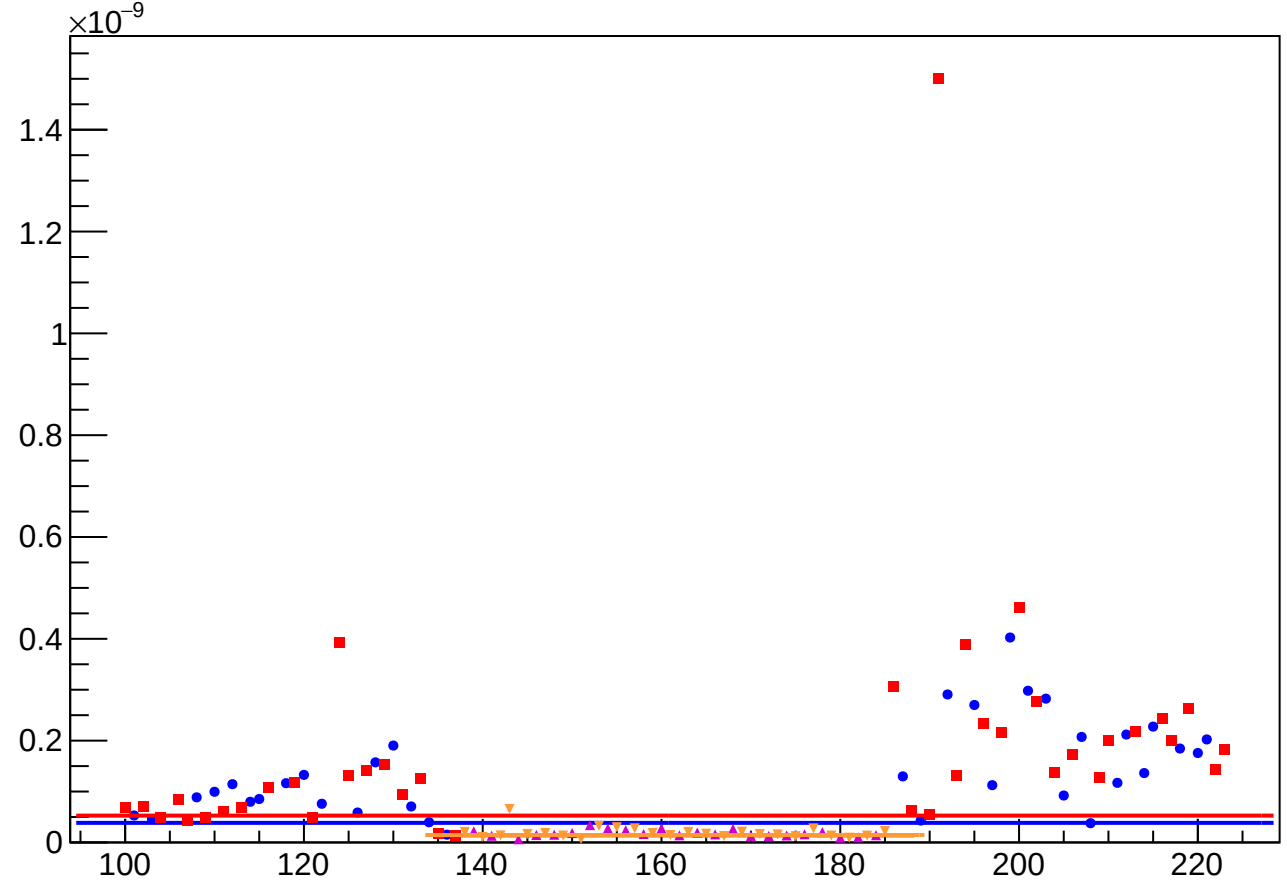
Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/38

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.0/58

All: 0.000+/-0.000 χ^2/NDF: 138.2/120

- sign 0.000+/-0.000 χ^2/NDF: 54.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 10486425.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9750845.9/38

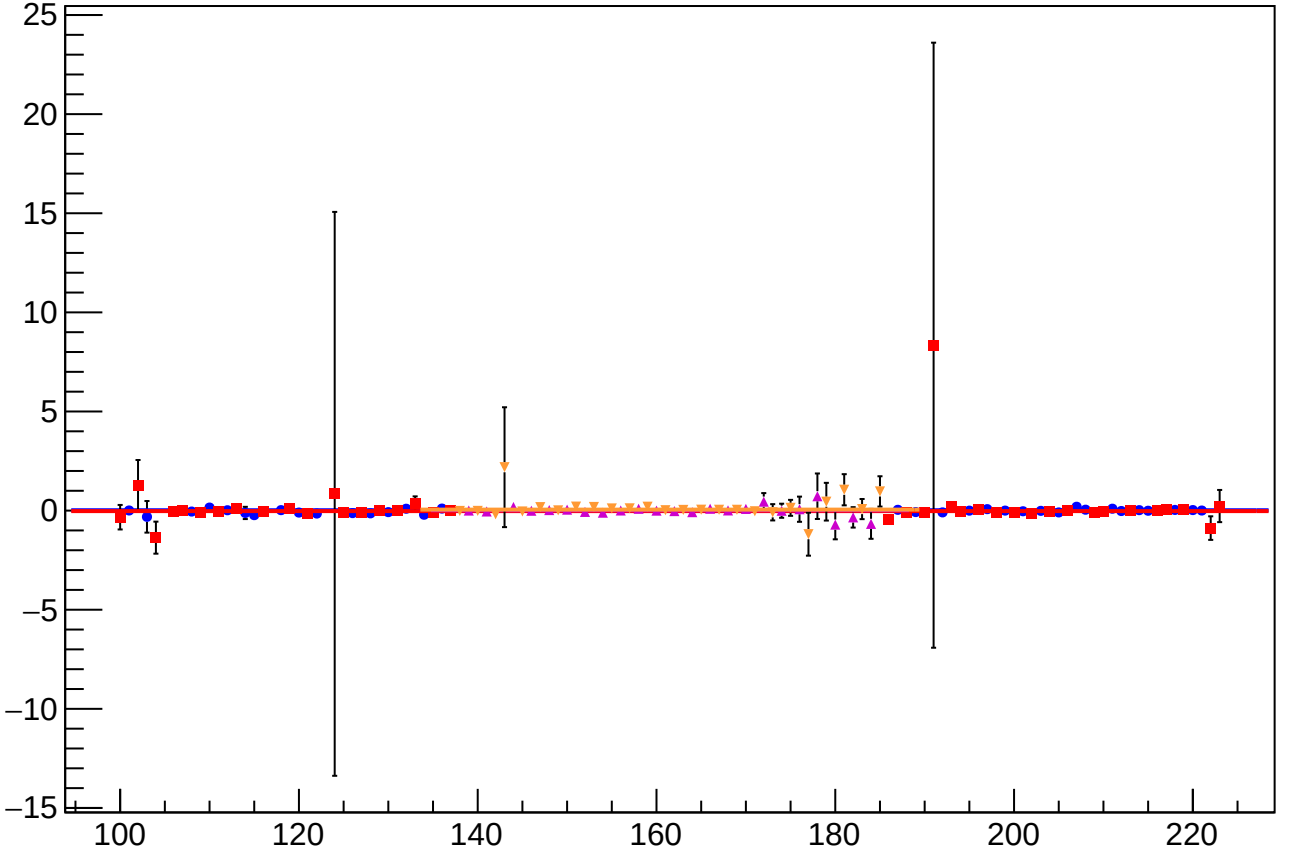
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14844278.1/58

All: 0.000+/-0.000 χ^2/NDF: 30862973.5/120

- sign 0.000+/-0.000 χ^2/NDF: 16010577.3/61

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 30.7/38

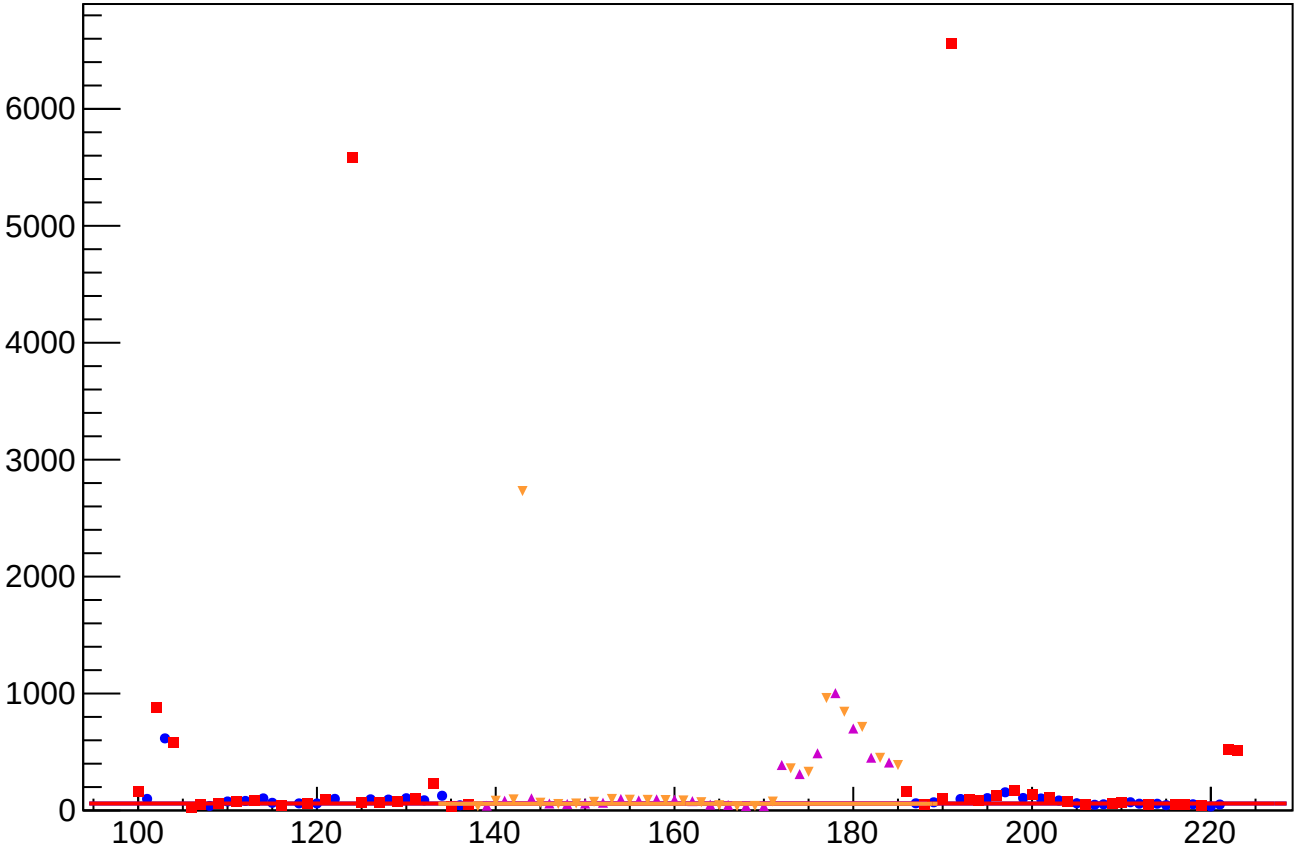
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.2/58

All: 0.013+/-0.008 χ^2/NDF: 112.8/120

- sign -0.006+/-0.011 χ^2/NDF: 49.9/61

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 59.310+/-0.010 χ^2/NDF: 5429042.9/33

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.476+/-0.011 χ^2/NDF: 9361427.3/38

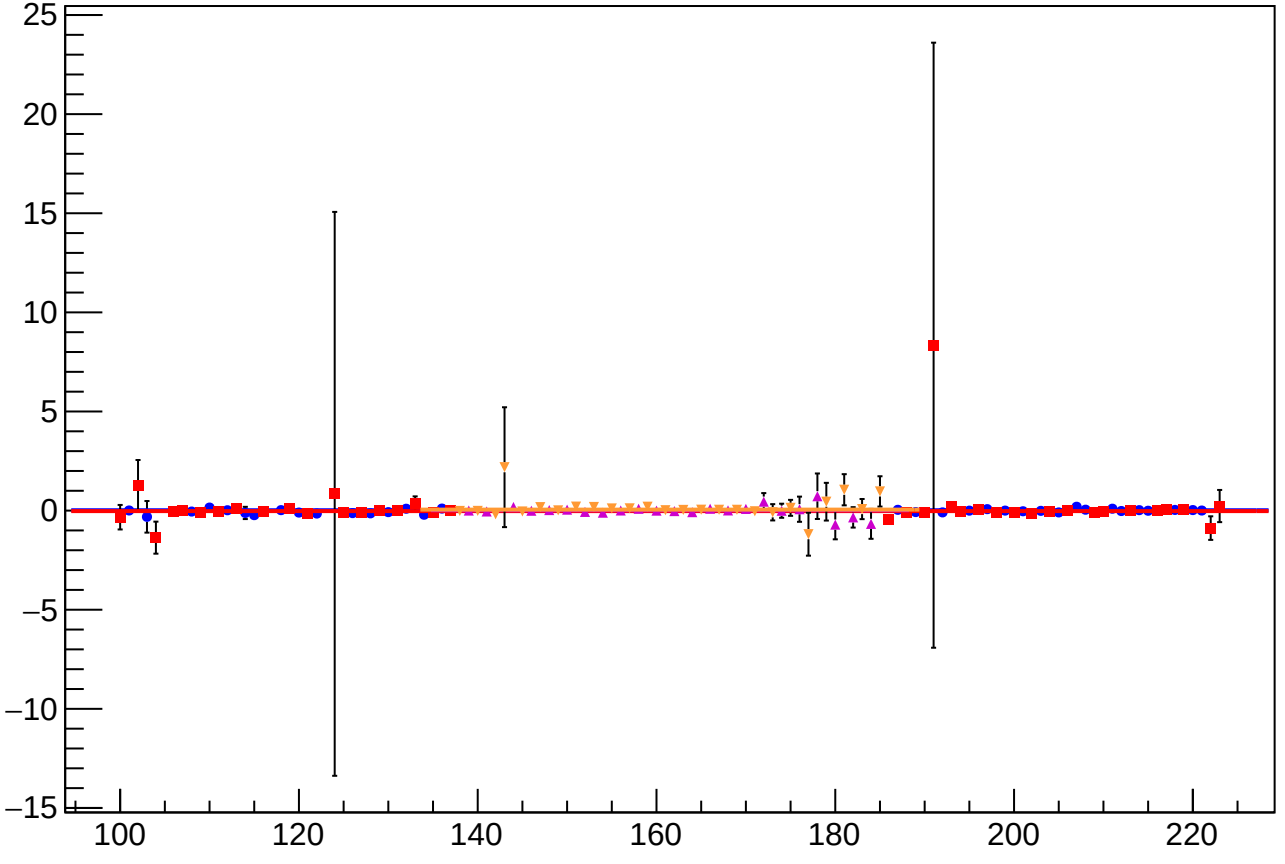
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

\+ sign 58.445+/-0.008 χ^2/NDF: 17767829.3/58

All: 58.759+/-0.006 χ^2/NDF: 37383317.3/120

\- sign 59.087+/-0.008 χ^2/NDF: 19612183.4/61

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 30.7/38

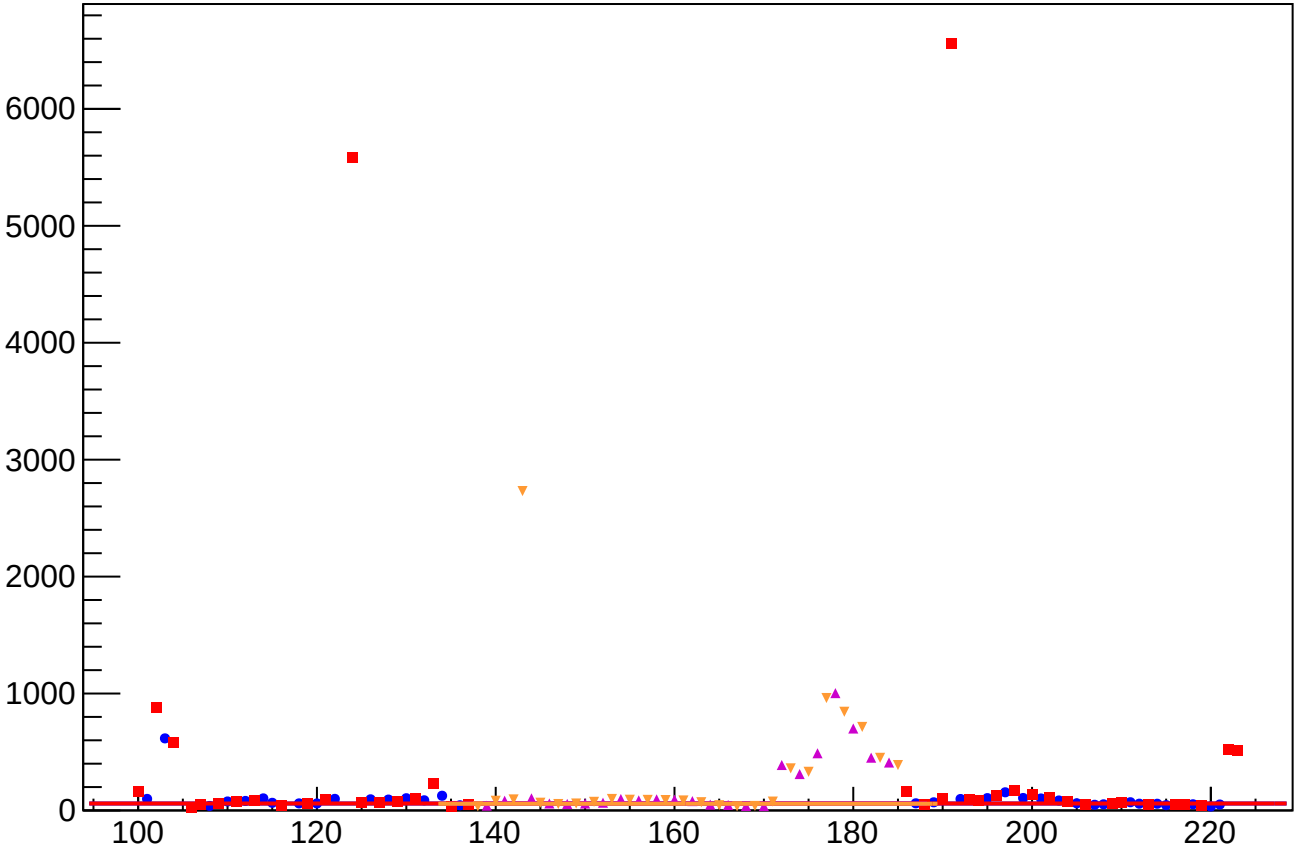
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.2/58

All: 0.013+/-0.008 χ^2/NDF: 112.8/120

- sign -0.006+/-0.011 χ^2/NDF: 49.9/61

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.310+/-0.010 χ^2/NDF: 5429042.9/33

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

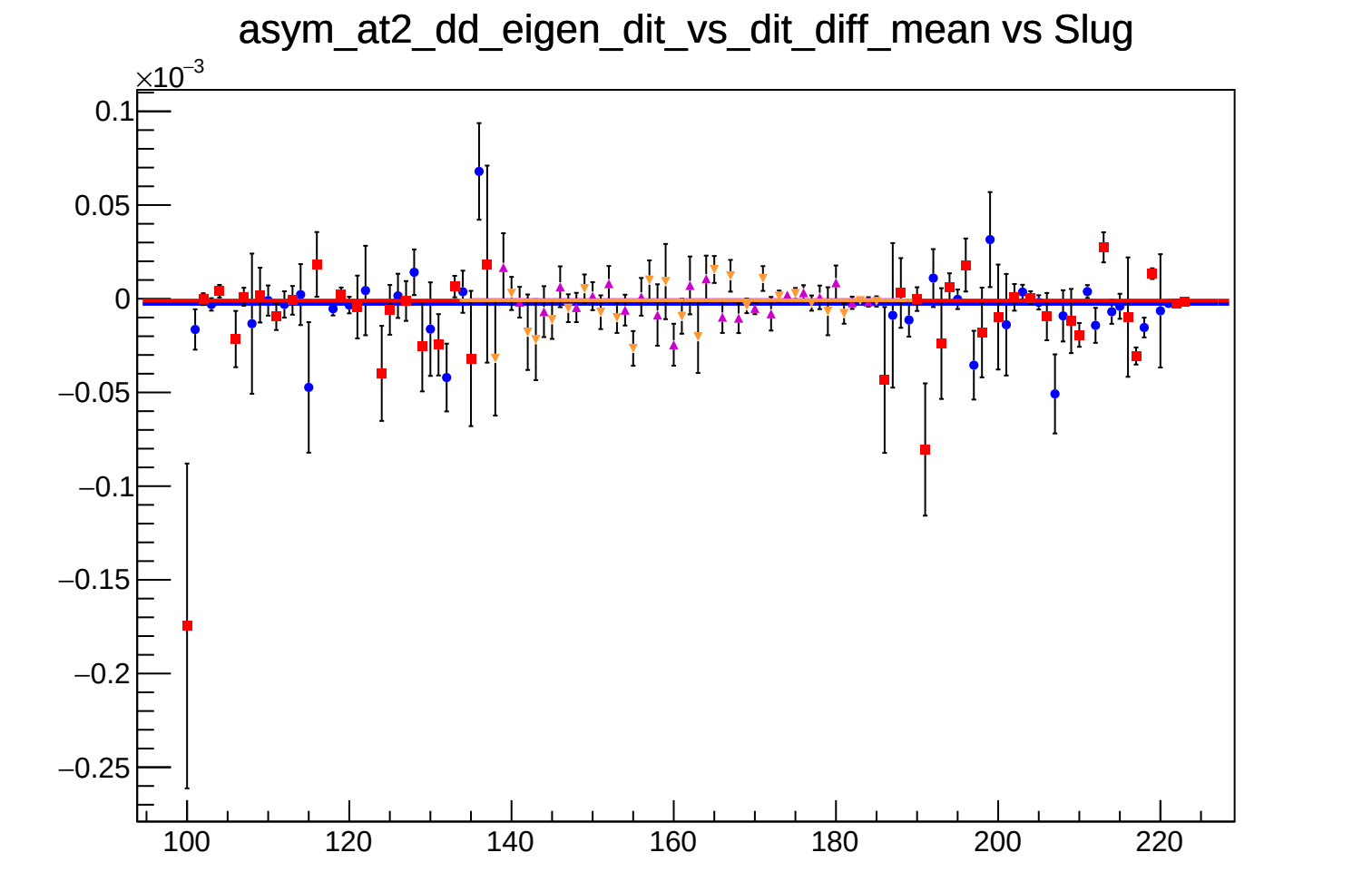
Right Out: 59.476+/-0.011 χ^2/NDF: 9361427.3/38

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 58.445+/-0.008 χ^2/NDF: 17767829.3/58

All: 58.759+/-0.006 χ^2/NDF: 37383317.3/120

- sign 59.087+/-0.008 χ^2/NDF: 19612183.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 45.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

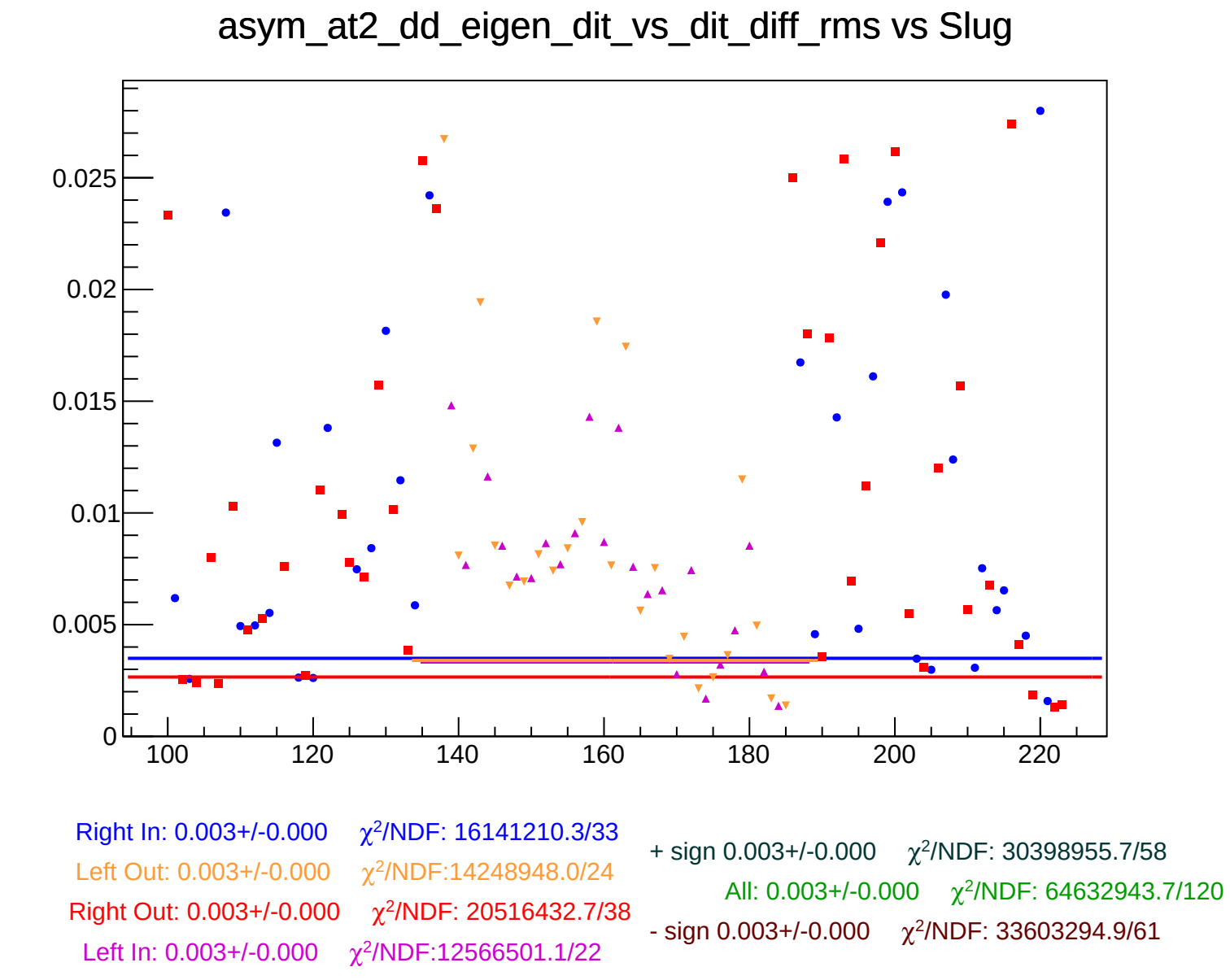
Right Out: -0.000+/-0.000 χ^2/NDF: 121.3/38

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

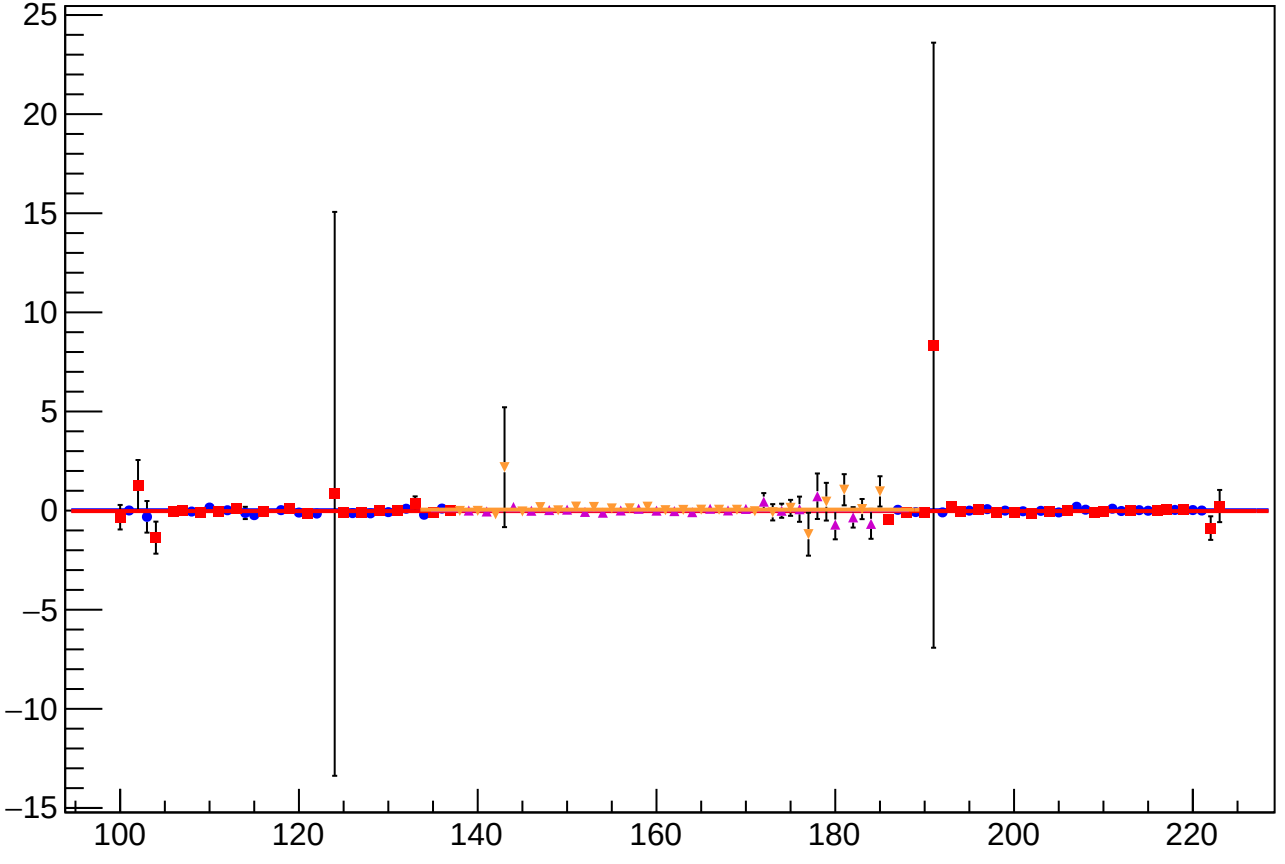
+ sign -0.000+/-0.000 χ^2/NDF: 80.2/58

All: -0.000+/-0.000 χ^2/NDF: 221.3/120

- sign -0.000+/-0.000 χ^2/NDF: 140.2/61


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 16141210.3/33
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.003+/-0.000 χ²/NDF: 20516432.7/38
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.003+/-0.000 χ²/NDF: 30398955.7/58
All: 0.003+/-0.000 χ²/NDF: 64632943.7/120
- sign 0.003+/-0.000 χ²/NDF: 33603294.9/61

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 30.7/38

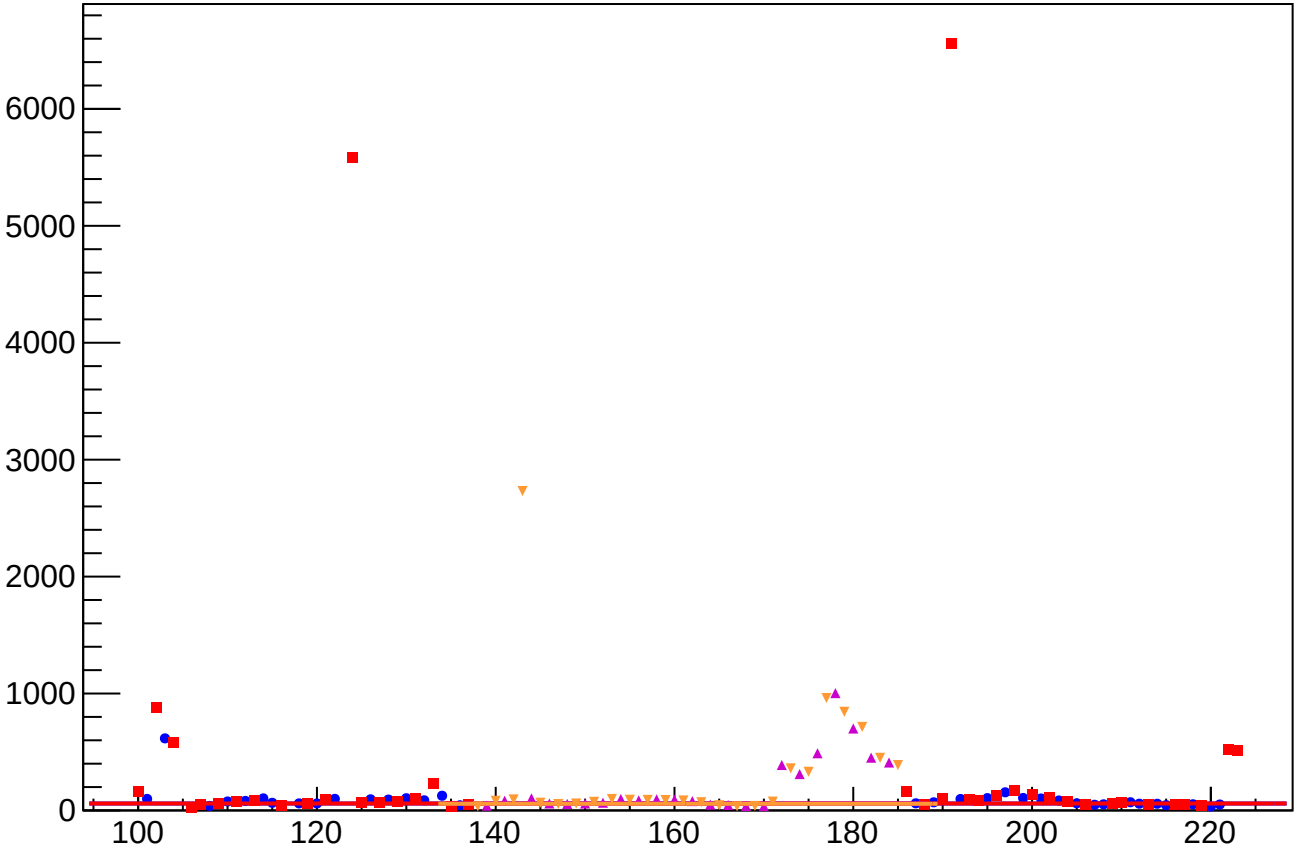
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.2/58

All: 0.013+/-0.008 χ^2/NDF: 112.8/120

- sign -0.006+/-0.011 χ^2/NDF: 49.9/61

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.323+/-0.010 χ^2/NDF: 5424364.8/33

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

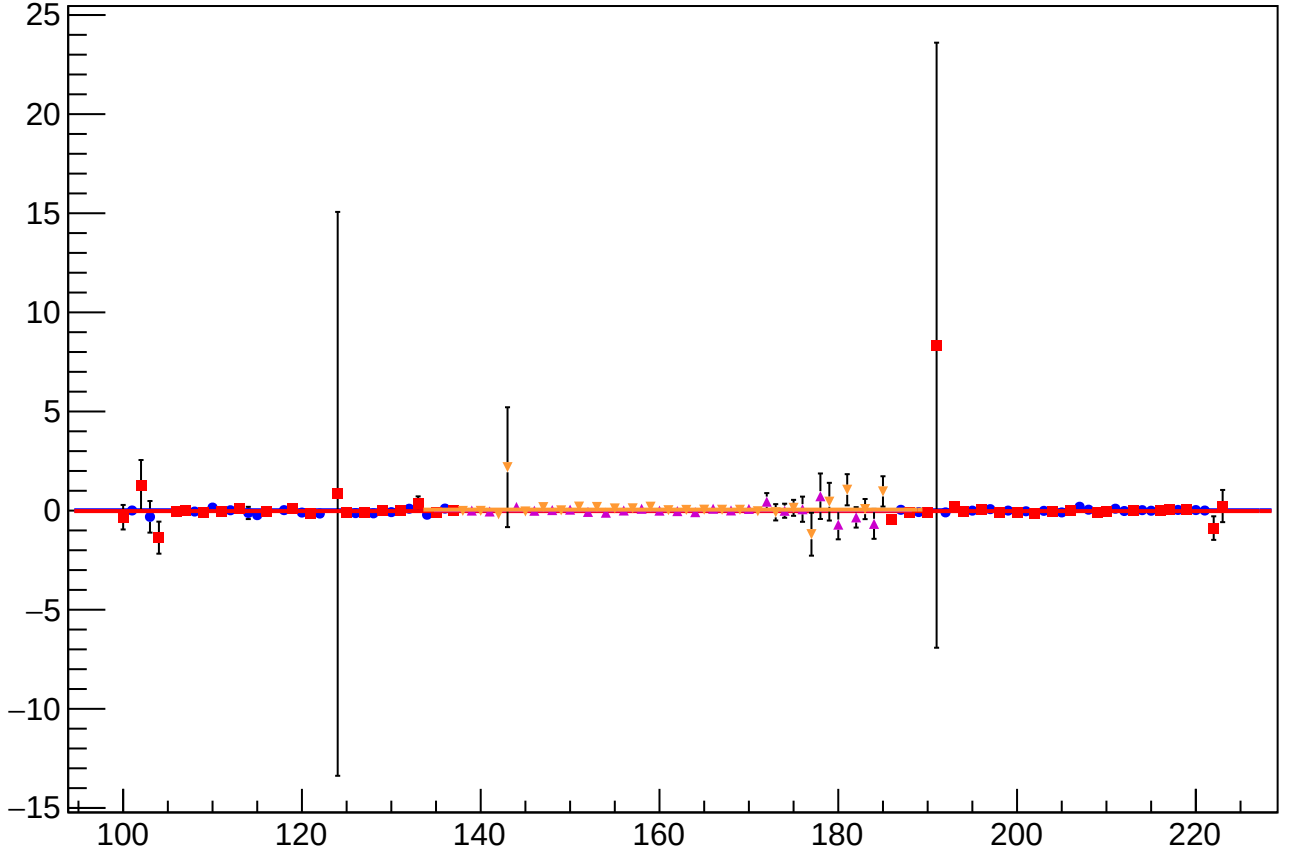
Right Out: 59.474+/-0.011 χ^2/NDF: 9362285.9/38

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 58.451+/-0.008 χ^2/NDF: 17763114.7/58

All: 58.763+/-0.006 χ^2/NDF: 37378855.8/120

- sign 59.087+/-0.008 χ^2/NDF: 19612504.9/61



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

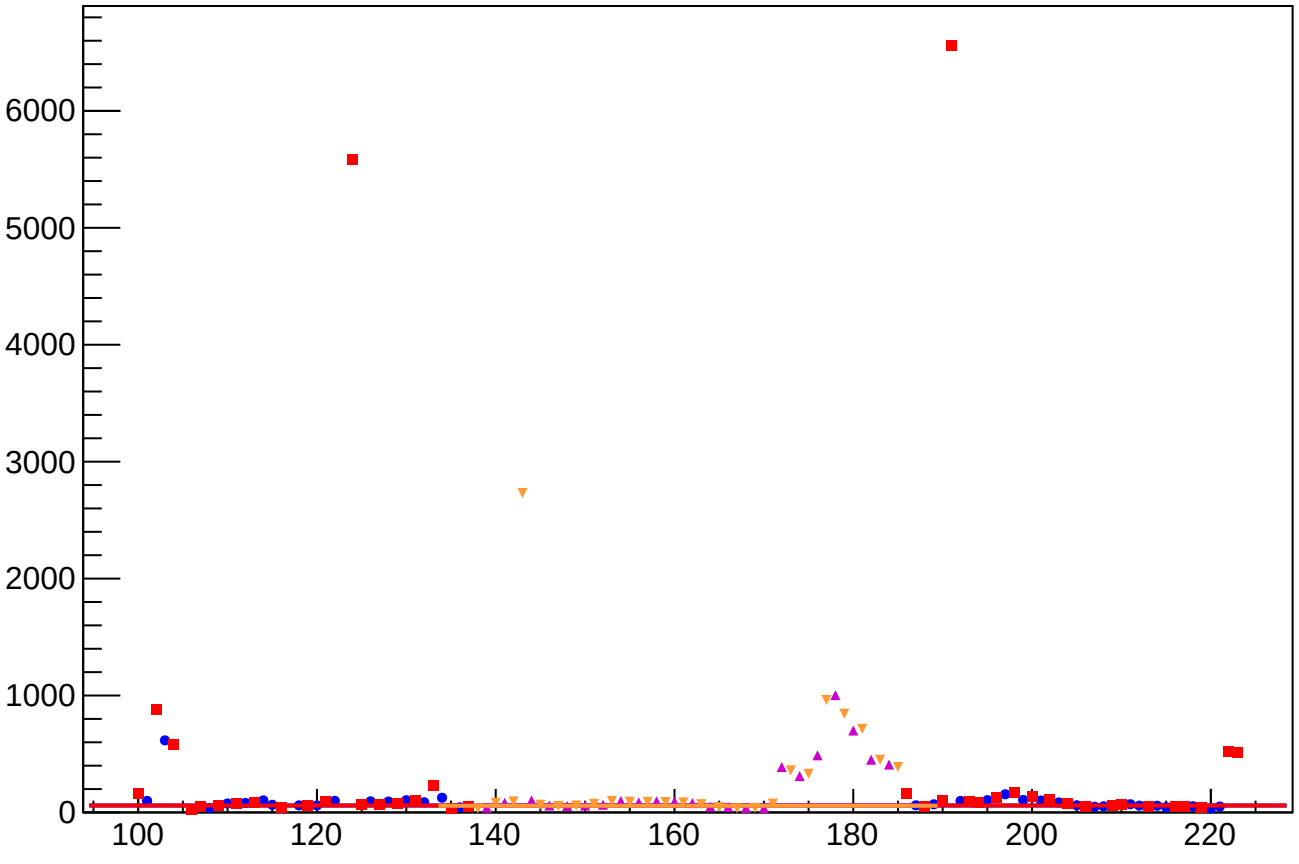
Right Out: -0.025+/-0.015 χ^2/NDF: 30.7/38

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.2/58

All: 0.013+/-0.008 χ^2/NDF: 112.8/120

- sign -0.006+/-0.011 χ^2/NDF: 49.9/61



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Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 59.474+/-0.011 χ^2/NDF: 9362285.9/38

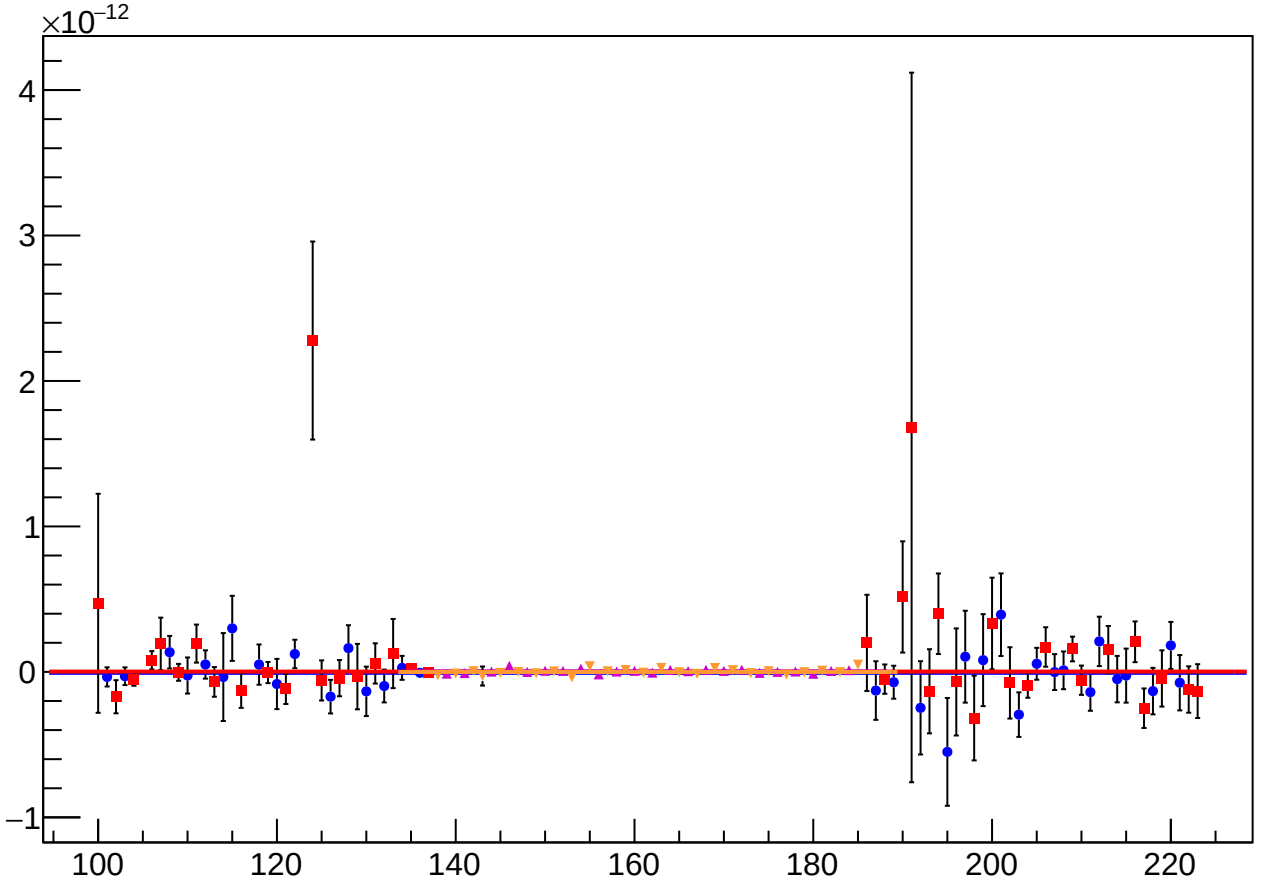
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 58.451+/-0.008 χ^2/NDF: 17763114.7/58

All: 58.763+/-0.006 χ^2/NDF: 37378855.8/120

- sign 59.087+/-0.008 χ^2/NDF: 19612504.9/61

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

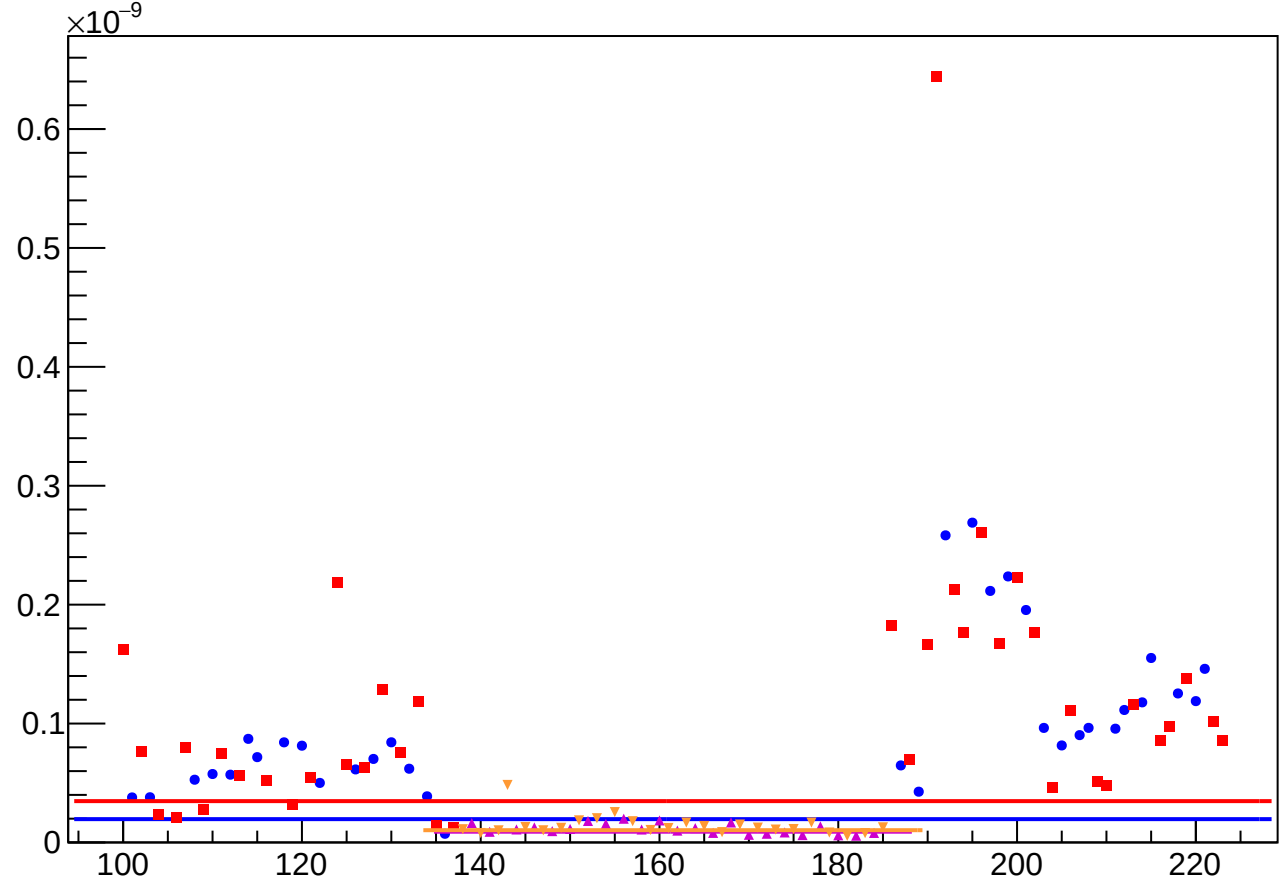
Right Out: 0.000+/-0.000 χ^2/NDF: 46.7/38

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/58

All: 0.000+/-0.000 χ^2/NDF: 107.5/120

- sign 0.000+/-0.000 χ^2/NDF: 62.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 18359389.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12282178.8/38

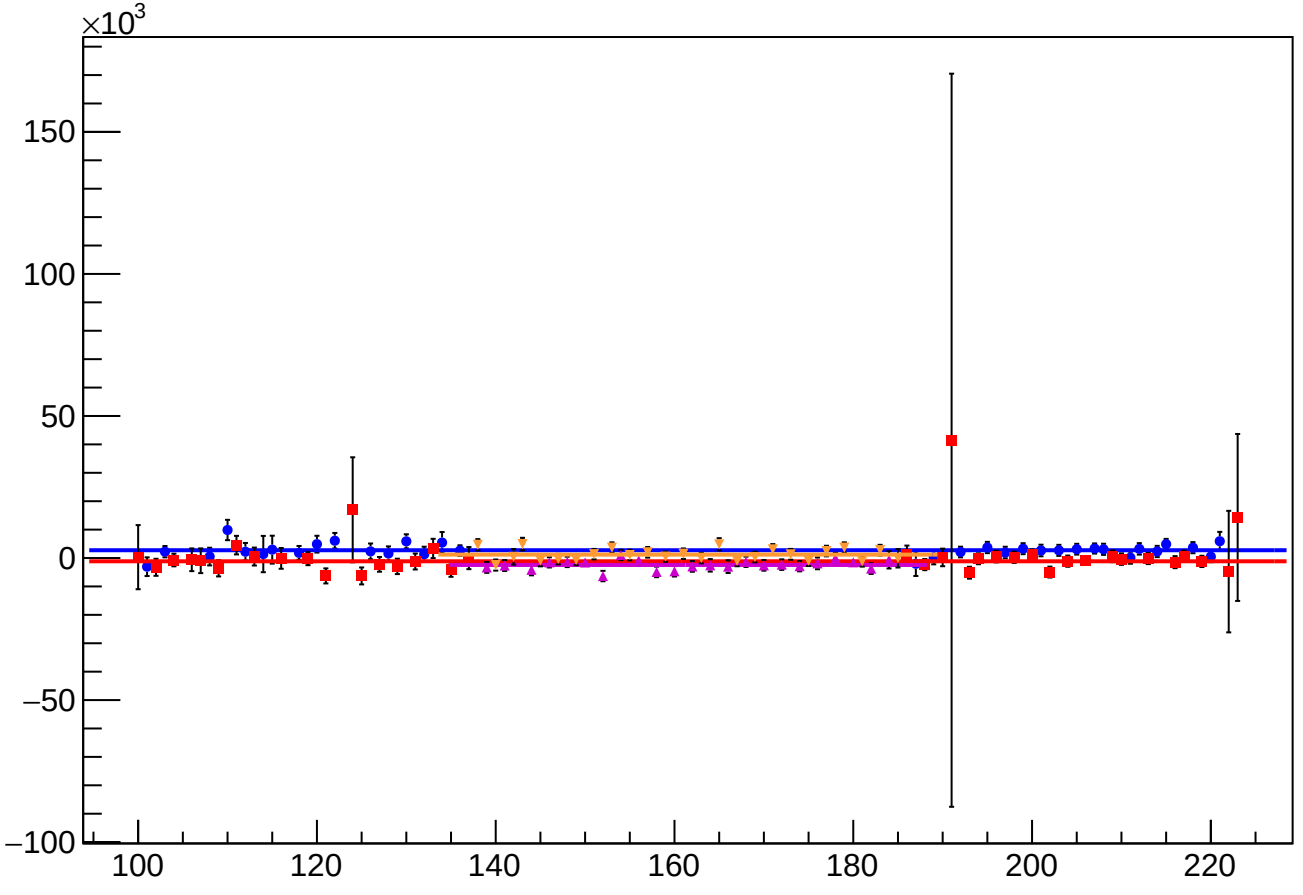
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 23610206.5/58

All: 0.000+/-0.000 χ^2/NDF: 45753678.9/120

- sign 0.000+/-0.000 χ^2/NDF: 22012539.2/61

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2743.370+/-397.847 χ^2/NDF: 21.0/33

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1148.958+/-405.122 χ^2/NDF: 30.4/38

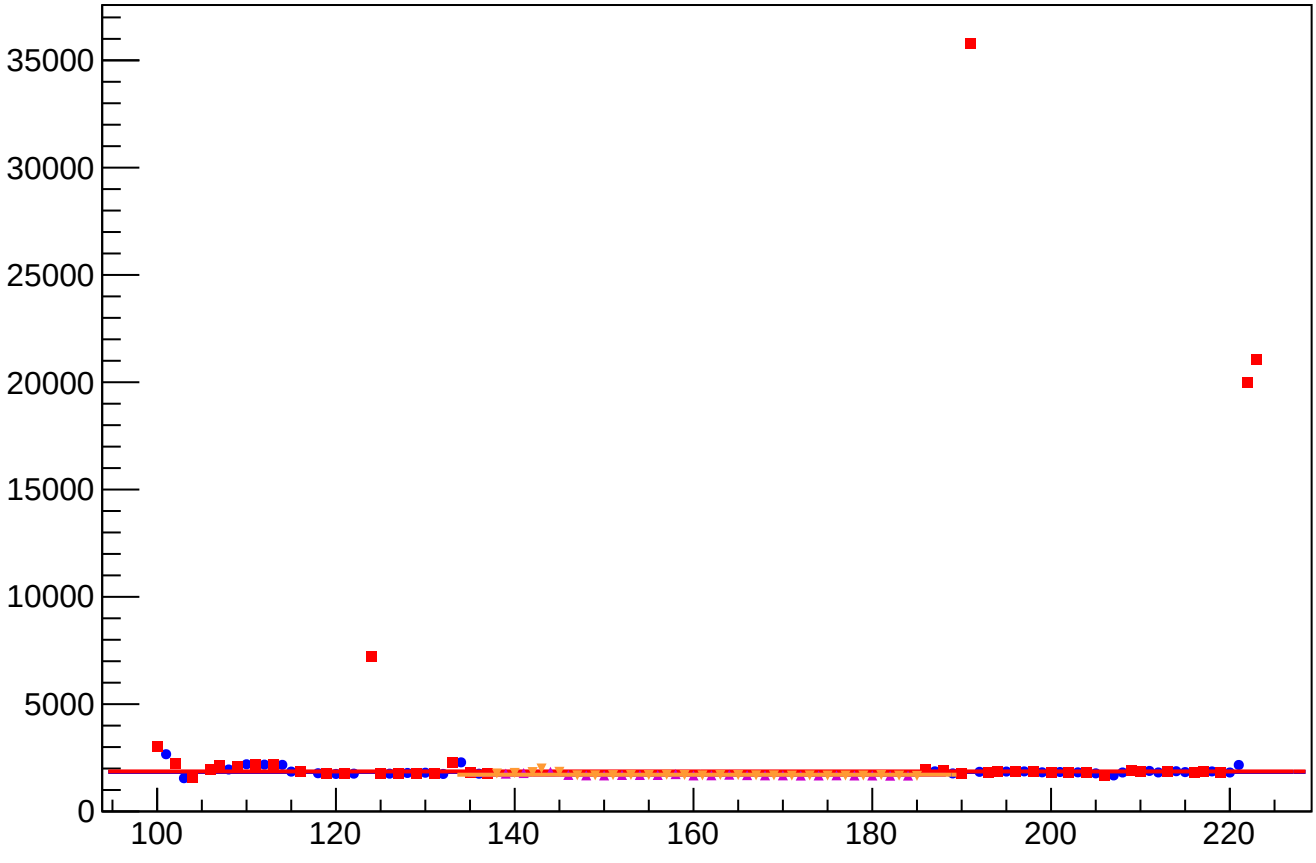
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1955.832+/-278.190 χ^2/NDF: 55.0/58

All: 113.400+/-198.699 χ^2/NDF: 197.6/120

- sign -1805.473+/-283.902 χ^2/NDF: 53.1/61

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1838.658+/-0.281 χ^2/NDF: 307797.2/33

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1864.827+/-0.286 χ^2/NDF: 2836519.5/38

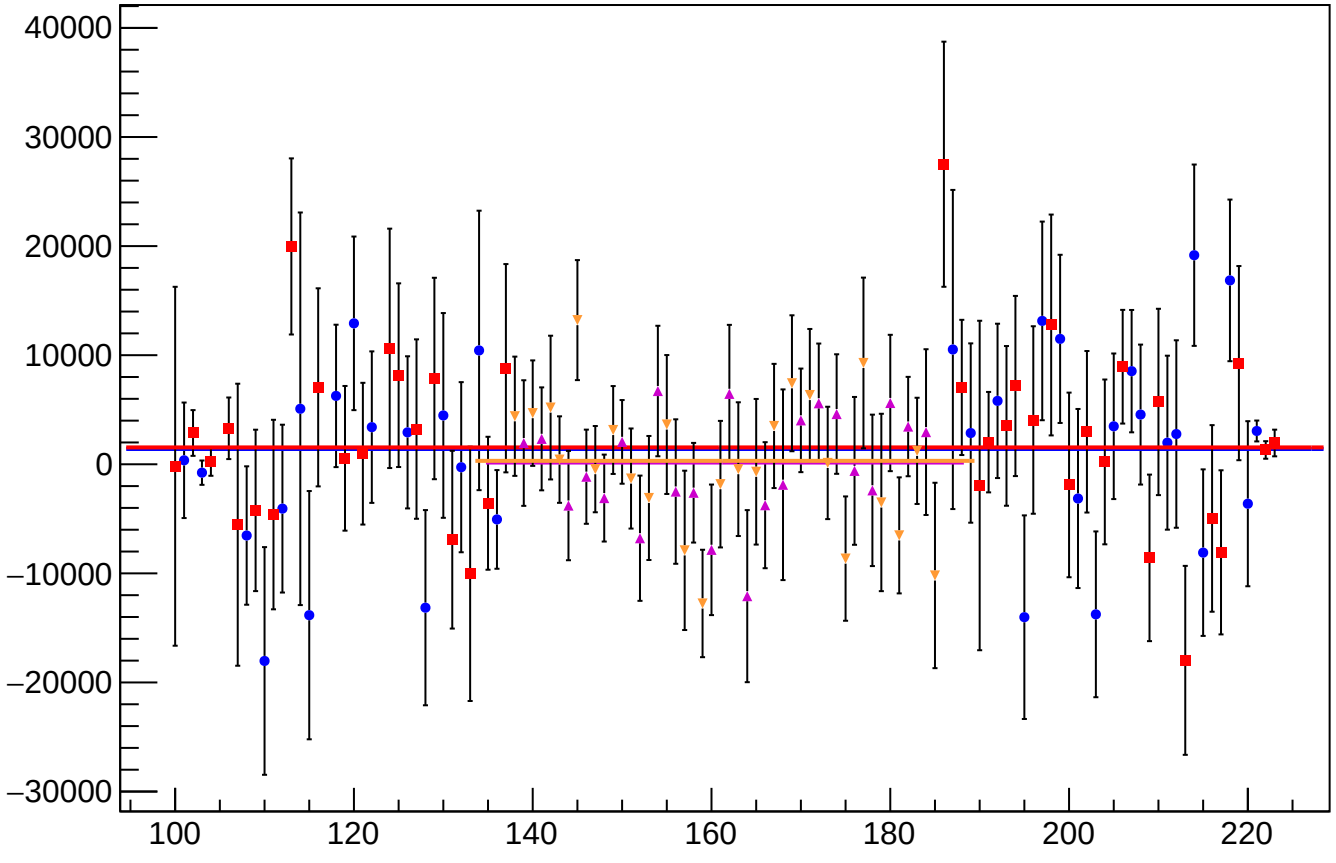
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1773.813+/-0.197 χ^2/NDF: 471826.8/58

All: 1778.328+/-0.140 χ^2/NDF: 3492580.2/12

- sign 1783.027+/-0.201 χ^2/NDF: 3019678.3/61

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: 1401.462+/-637.840 χ^2/NDF: 46.4/33

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1545.421+/-518.204 χ^2/NDF: 34.6/38

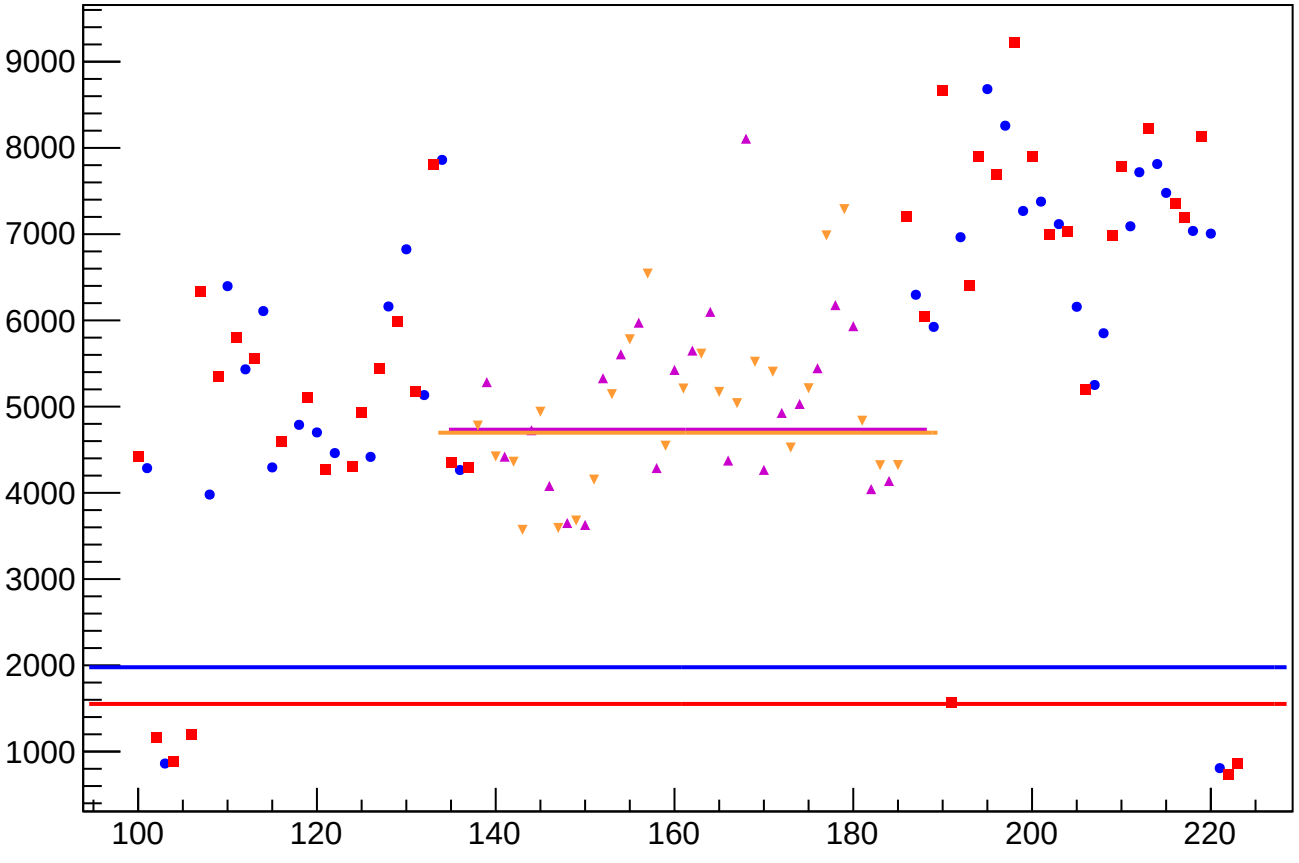
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign 1124.831+/-550.765 χ^2/NDF: 74.2/58

All: 1228.209+/-357.924 χ^2/NDF: 124.8/120

- sign 1303.787+/-470.923 χ^2/NDF: 50.5/61

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1977.715+/-0.451 χ^2/NDF: 23954447.0/33

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1552.227+/-0.366 χ^2/NDF: 26144549.7/38

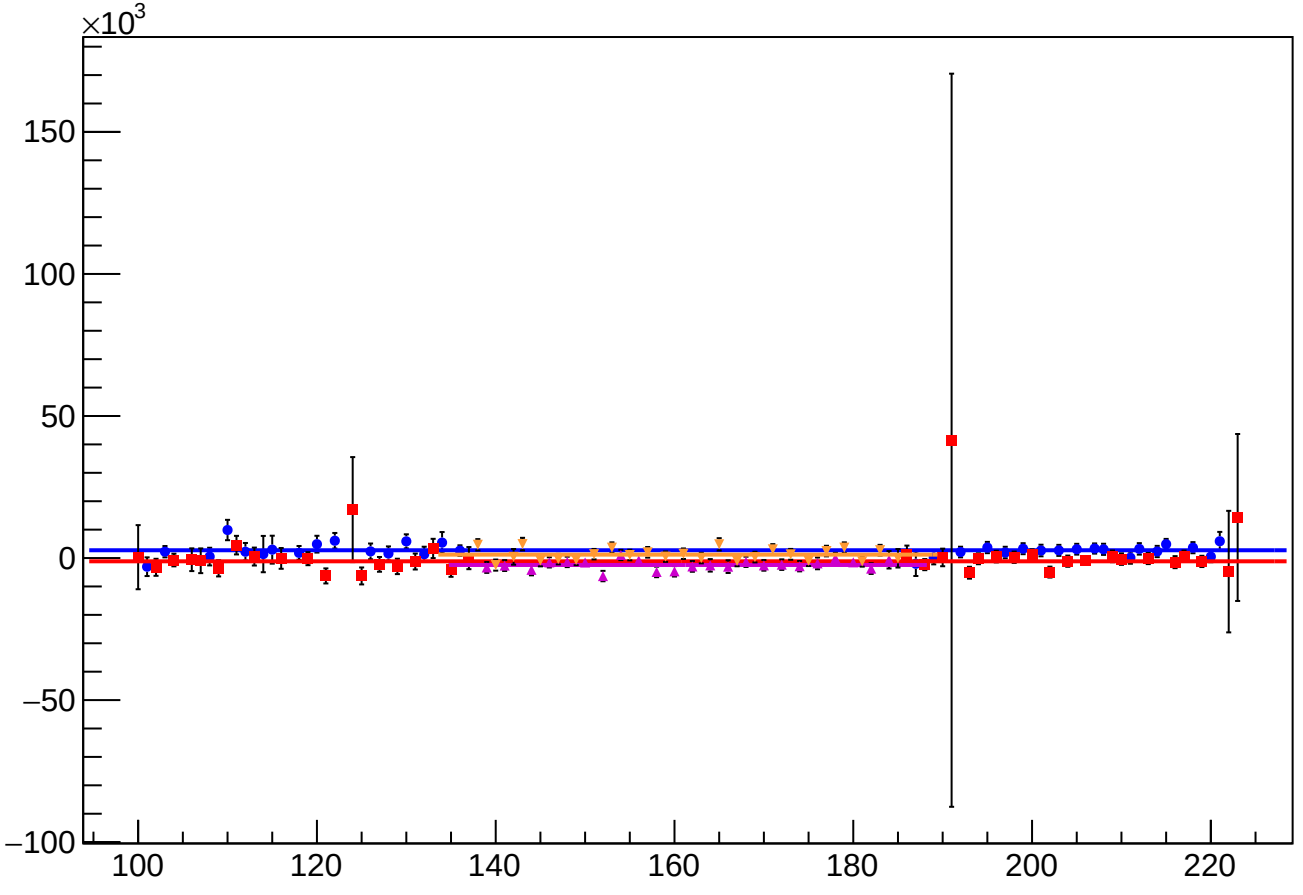
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 2669.643+/-0.389 χ^2/NDF: 34445517.1/58

All: 2344.087+/-0.253 χ^2/NDF: 76160789.5/1

- sign 2106.079+/-0.333 χ^2/NDF: 40505605.8/61

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2743.453+/-397.847 χ^2/NDF: 21.0/33

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1148.560+/-405.123 χ^2/NDF: 30.4/38

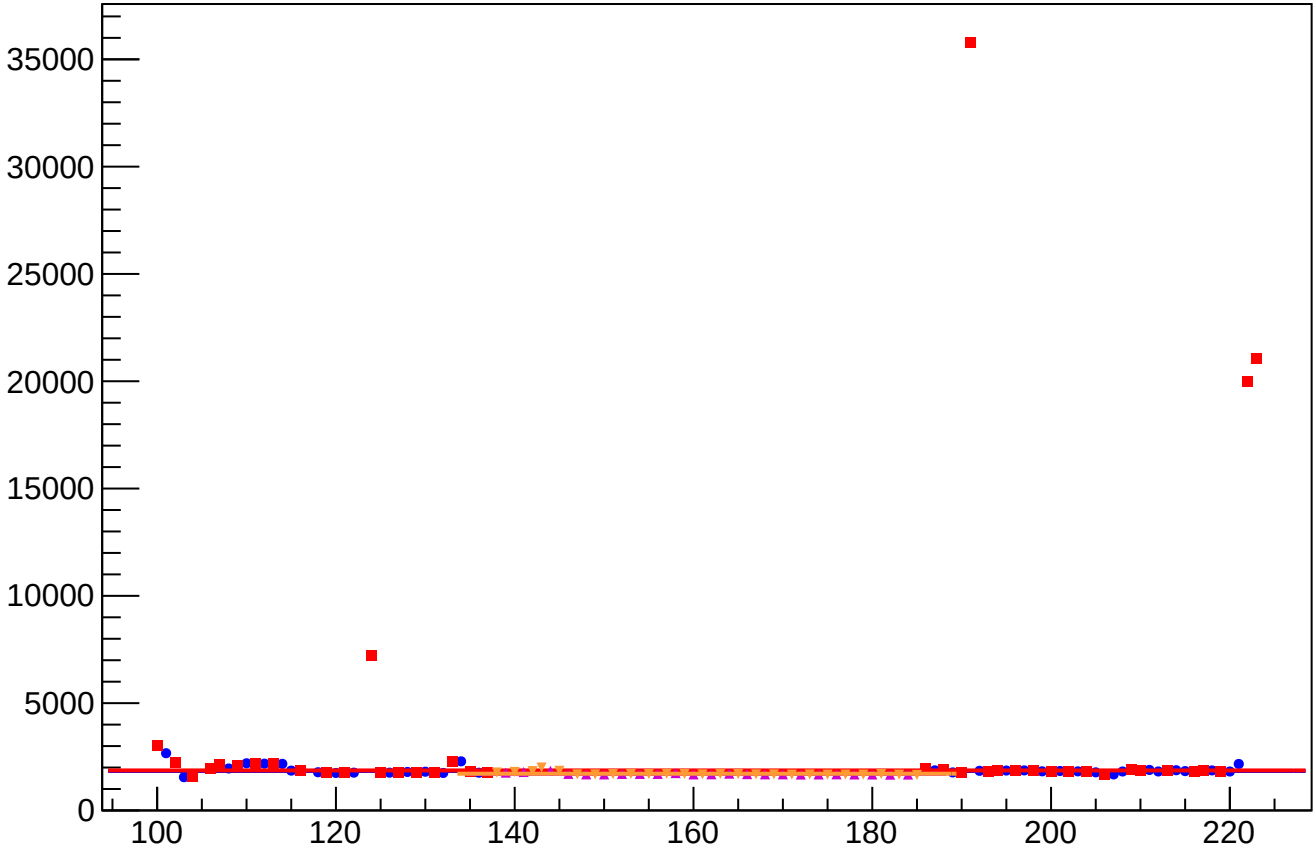
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

\+ sign 1955.823+/-278.190 χ^2/NDF: 55.0/58

All: 113.508+/-198.699 χ^2/NDF: 197.6/120

\- sign -1805.243+/-283.902 χ^2/NDF: 53.1/61

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1838.658+/-0.281 χ^2/NDF: 307797.0/33

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1864.974+/-0.286 χ^2/NDF: 2836858.5/38

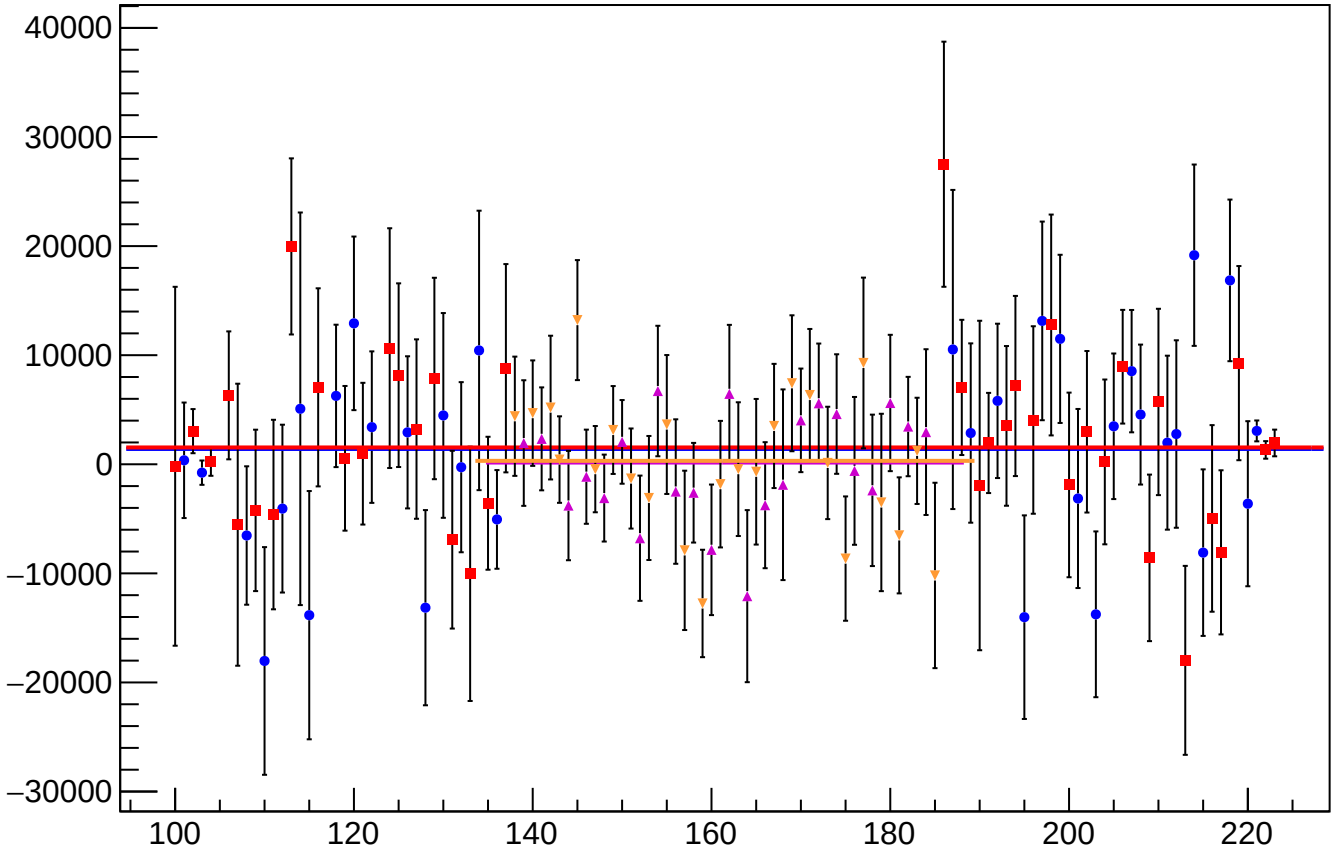
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1773.813+/-0.197 χ^2/NDF: 471826.7/58

All: 1778.360+/-0.140 χ^2/NDF: 3493215.9/12

- sign 1783.093+/-0.201 χ^2/NDF: 3020298.7/61

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: 1403.892+/-637.909 χ^2/NDF: 46.4/33

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1541.353+/-523.841 χ^2/NDF: 35.0/38

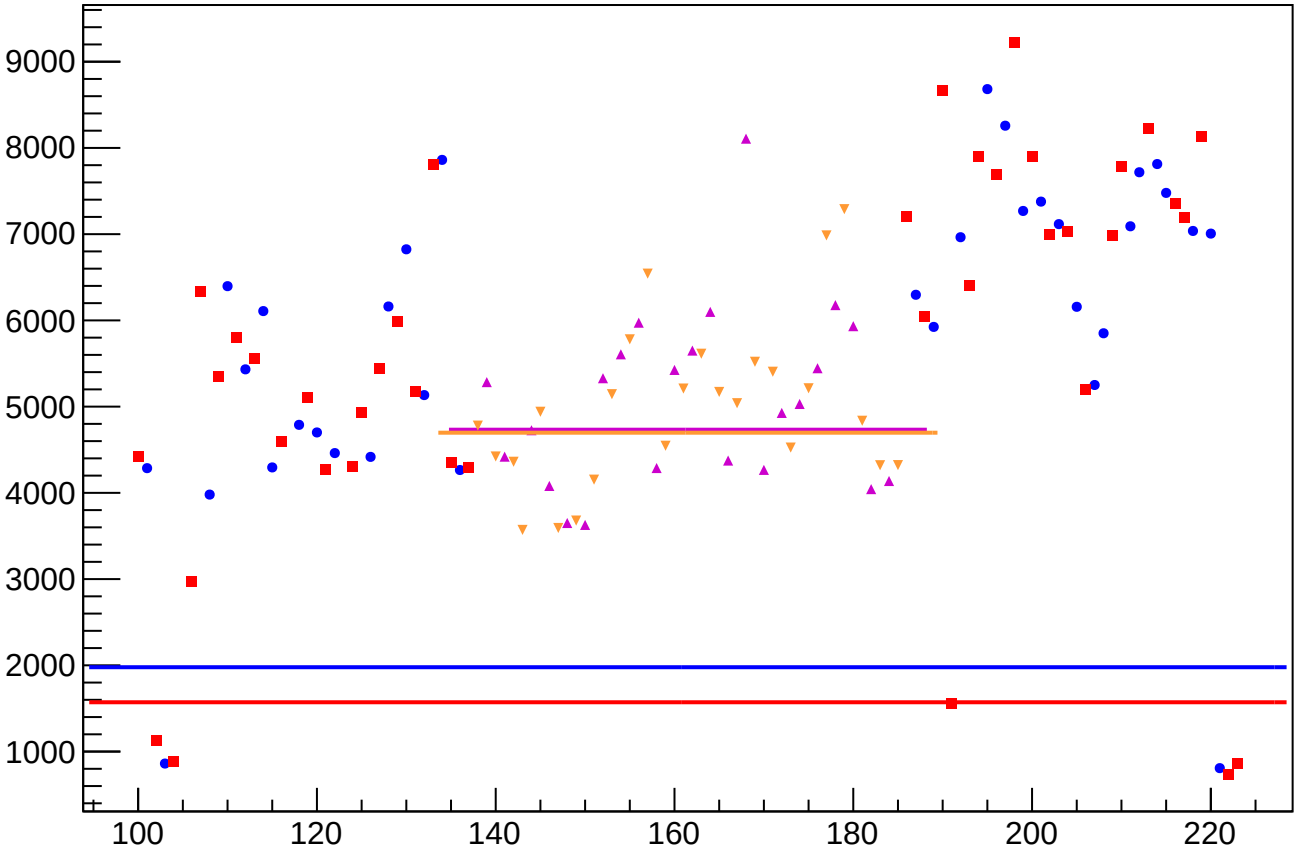
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign 1126.606+/-550.810 χ^2/NDF: 74.2/58

All: 1223.782+/-359.778 χ^2/NDF: 125.2/120

- sign 1296.093+/-475.142 χ^2/NDF: 50.9/61

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1978.056+/-0.451 χ^2/NDF: 23951983.5/33

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1571.641+/-0.370 χ^2/NDF: 26245100.3/38

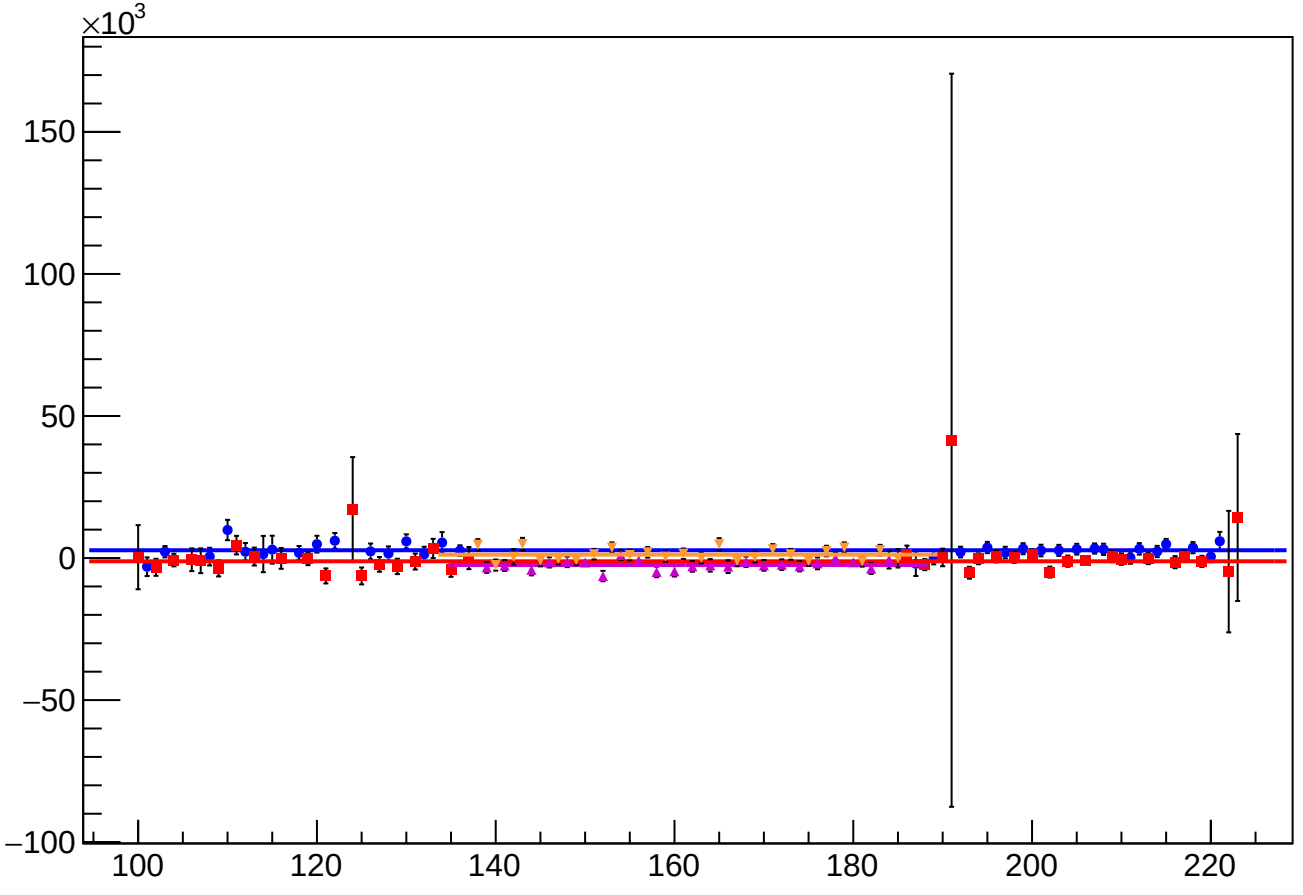
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 2670.009+/-0.389 χ^2/NDF: 34440218.7/58

All: 2361.550+/-0.254 χ^2/NDF: 75931471.2/1

- sign 2132.019+/-0.336 χ^2/NDF: 40397297.0/61

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2743.453+/-397.847 χ^2/NDF: 21.0/33

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1148.560+/-405.123 χ^2/NDF: 30.4/38

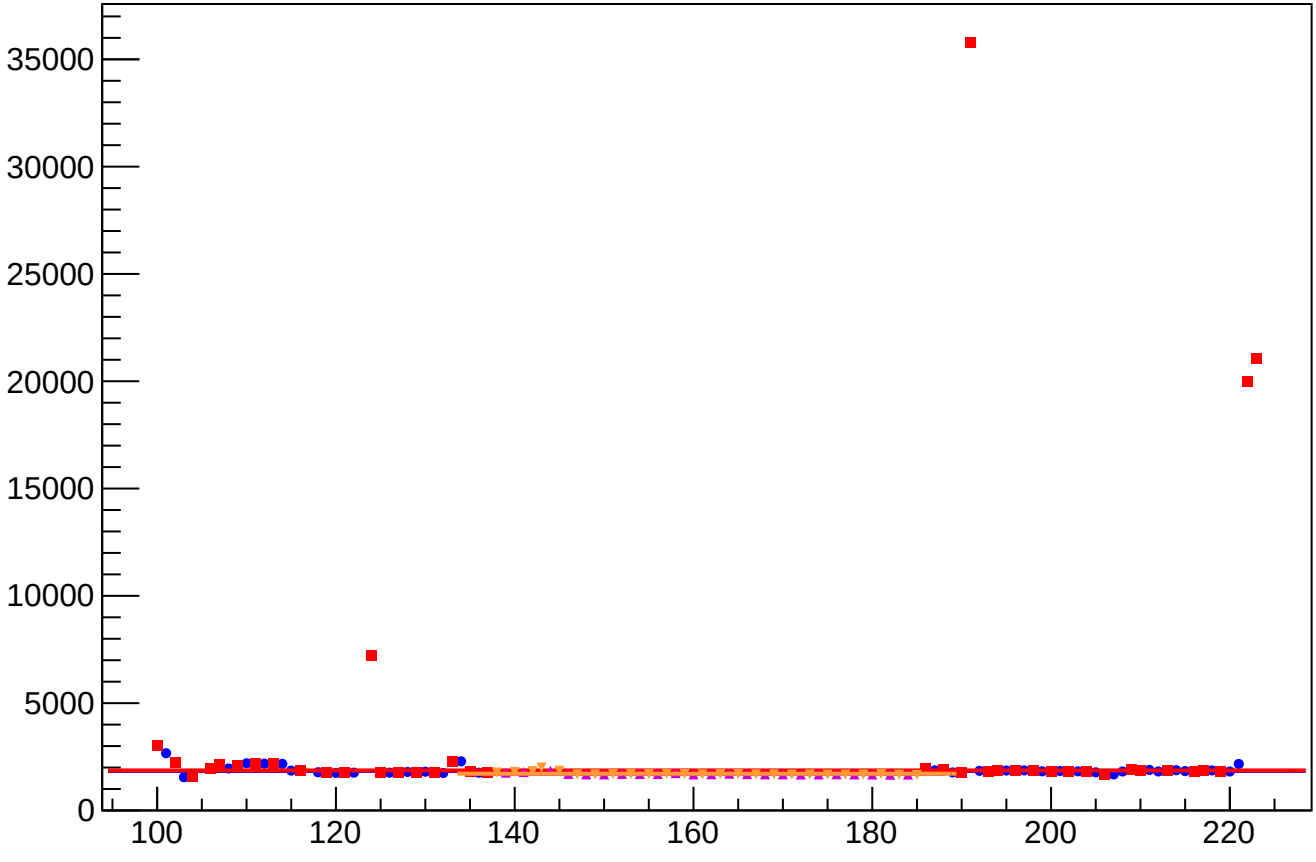
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1955.823+/-278.190 χ^2/NDF: 55.0/58

All: 113.508+/-198.699 χ^2/NDF: 197.6/120

- sign -1805.243+/-283.902 χ^2/NDF: 53.1/61

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1838.658+/-0.281 χ^2/NDF: 307797.0/33

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1864.974+/-0.286 χ^2/NDF: 2836858.5/38

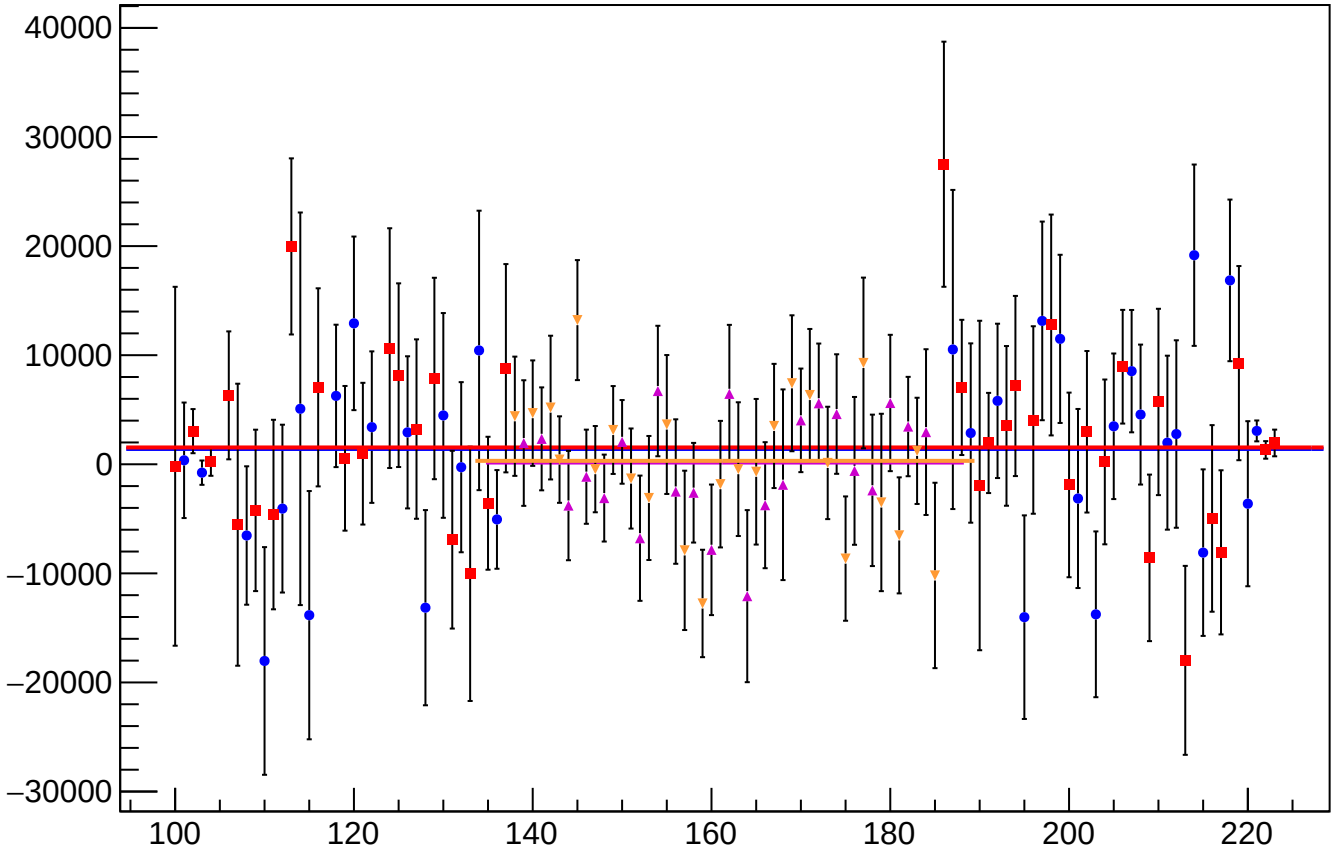
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1773.813+/-0.197 χ^2/NDF: 471826.7/58

All: 1778.360+/-0.140 χ^2/NDF: 3493215.9/12

- sign 1783.093+/-0.201 χ^2/NDF: 3020298.7/61

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: 1403.892+/-637.909 χ^2/NDF: 46.4/33

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

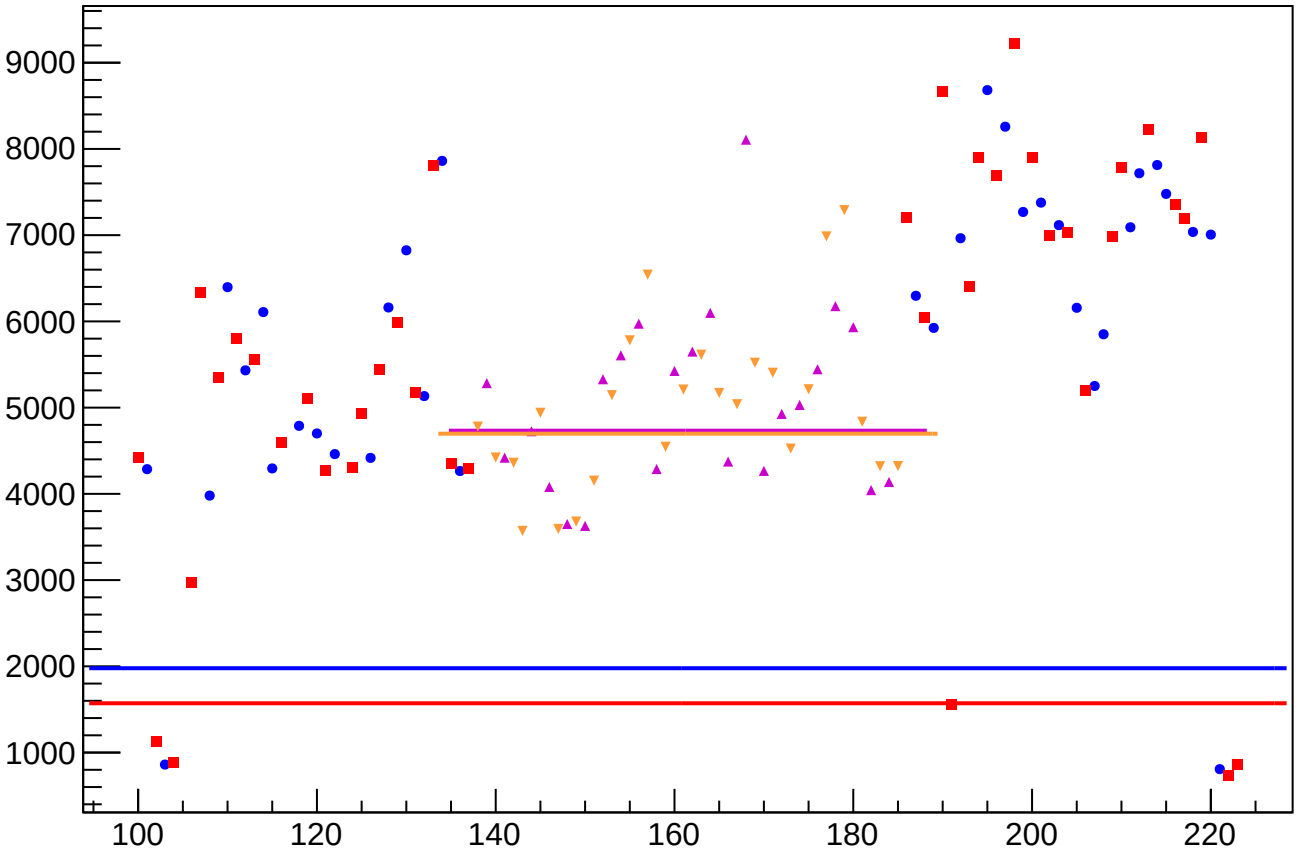
Right Out: 1541.353+/-523.841 χ^2/NDF: 35.0/38

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign 1126.606+/-550.810 χ^2/NDF: 74.2/58

All: 1223.782+/-359.778 χ^2/NDF: 125.2/120

- sign 1296.093+/-475.142 χ^2/NDF: 50.9/61



Right In: 1978.056+/-0.451 χ^2/NDF: 23951983.5/33

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

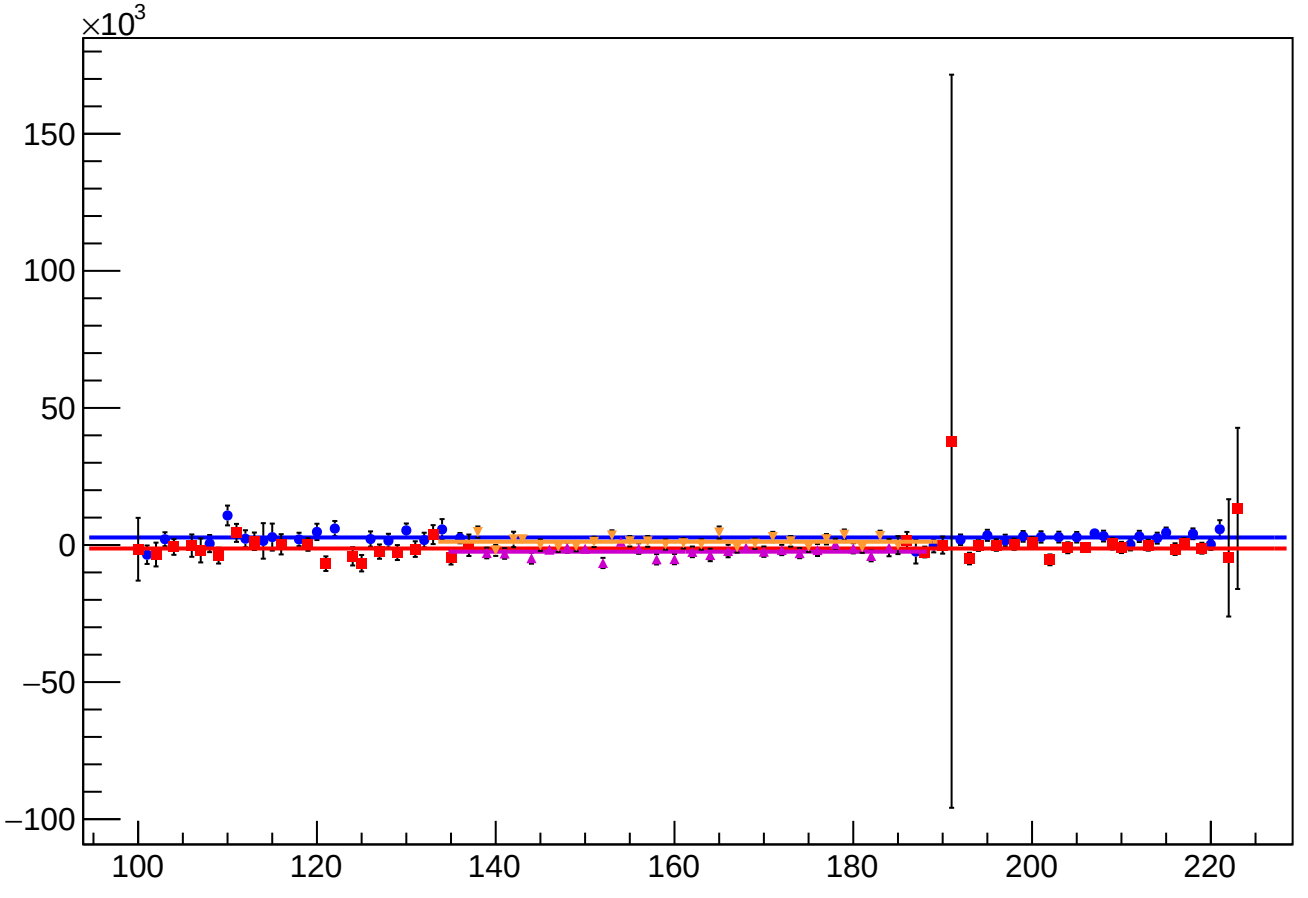
Right Out: 1571.641+/-0.370 χ^2/NDF: 26245100.3/38

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 2670.009+/-0.389 χ^2/NDF: 34440218.7/58

All: 2361.550+/-0.254 χ^2/NDF: 75931471.2/1

- sign 2132.019+/-0.336 χ^2/NDF: 40397297.0/61



Right In: 2755.225+/-405.046 χ^2/NDF: 22.7/33

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1271.485+/-411.198 χ^2/NDF: 31.9/38

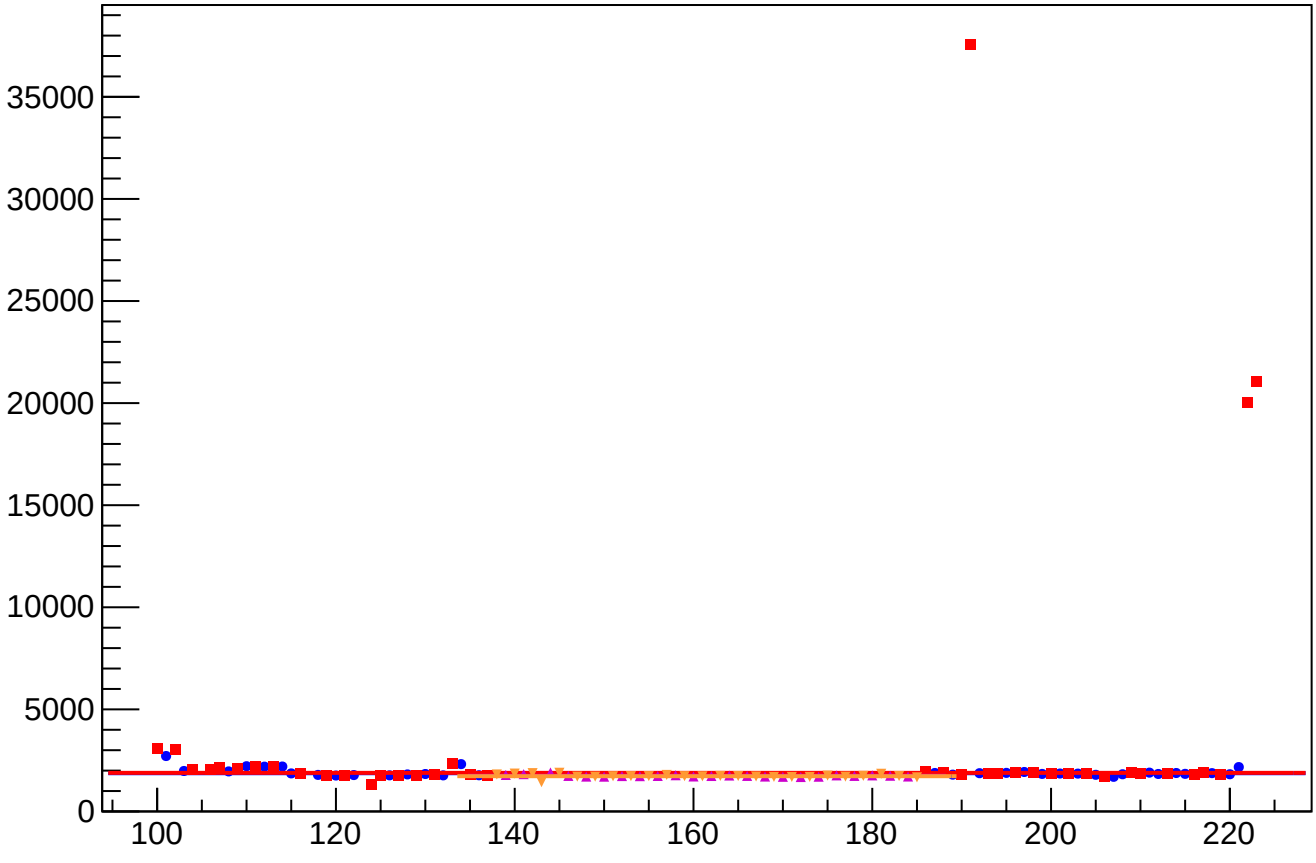
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1952.747+/-282.048 χ^2/NDF: 49.8/58

All: 95.846+/-202.009 χ^2/NDF: 195.4/120

- sign -1859.969+/-289.463 χ^2/NDF: 56.6/61

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1872.263+/-0.286 χ^2/NDF: 271287.7/33

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1890.342+/-0.291 χ^2/NDF: 2809508.8/38

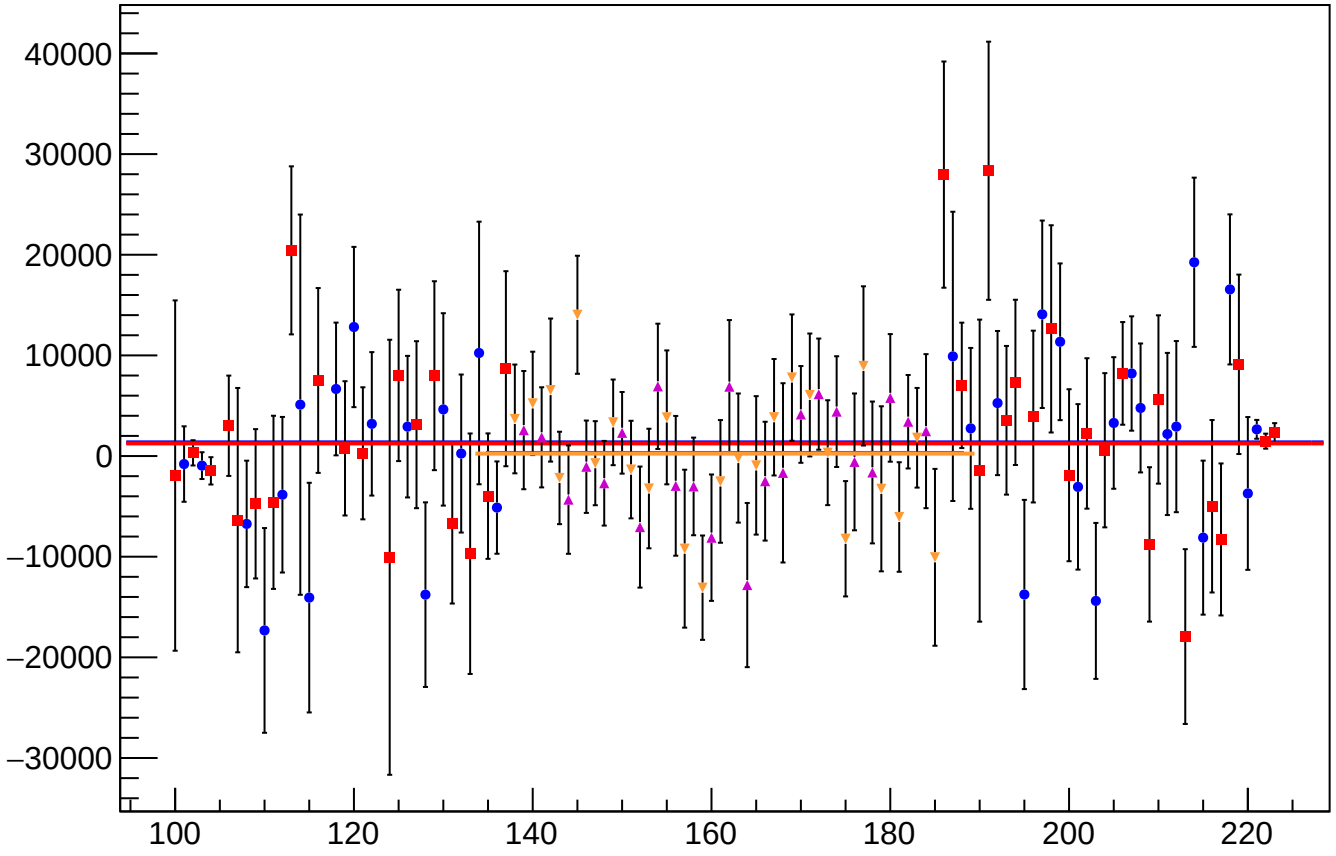
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1797.557+/-0.199 χ^2/NDF: 513637.1/58

All: 1806.958+/-0.143 χ^2/NDF: 3481224.2/12

- sign 1816.858+/-0.205 χ^2/NDF: 2963025.3/61

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: 1357.185+/-659.727 χ^2/NDF: 44.5/33

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 1253.903+/-468.081 χ^2/NDF: 42.6/38

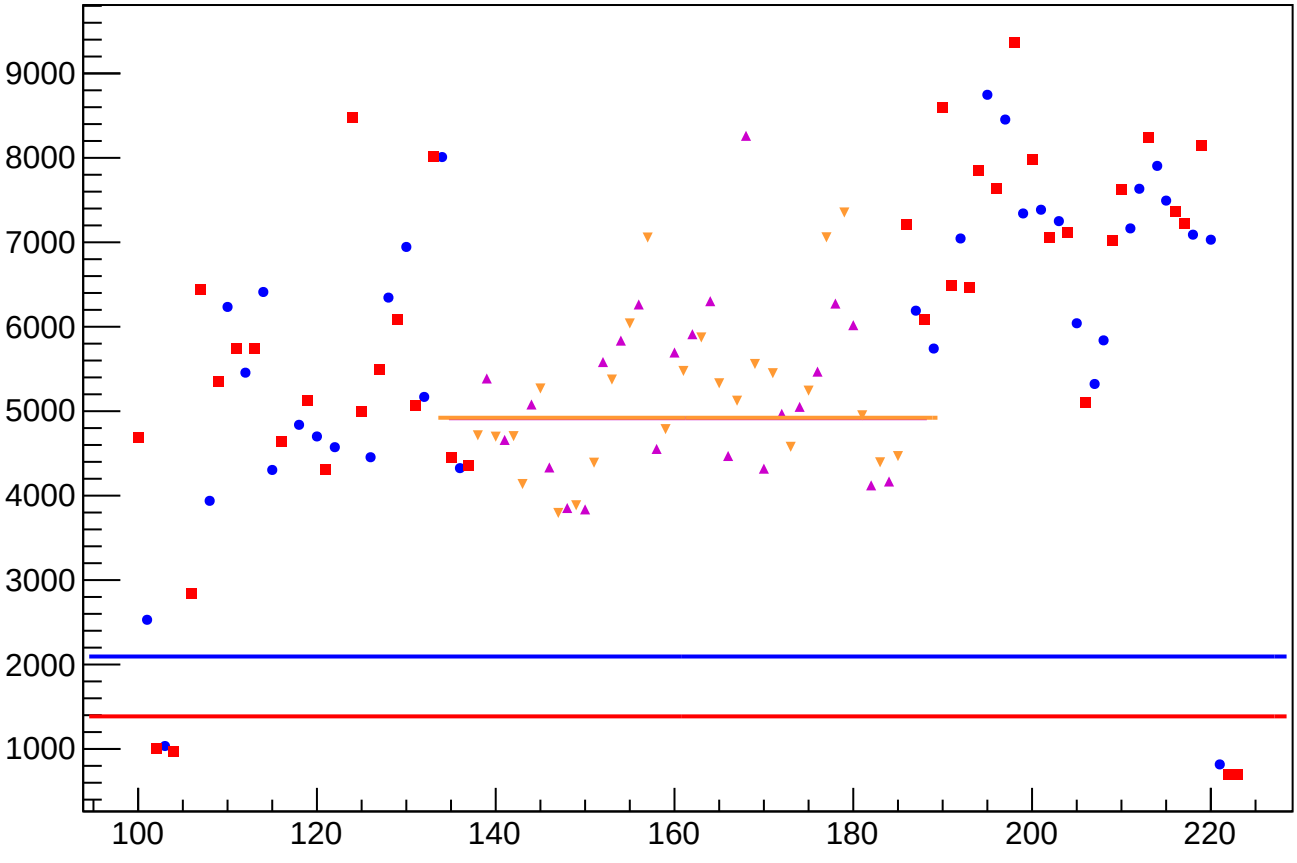
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign 1077.540+/-571.125 χ^2/NDF: 71.9/58

All: 1106.536+/-345.875 χ^2/NDF: 129.6/120

- sign 1123.330+/-434.644 χ^2/NDF: 57.6/61

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2094.939+/-0.466 χ^2/NDF: 22738813.4/33

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1385.902+/-0.331 χ^2/NDF: 28013221.2/38

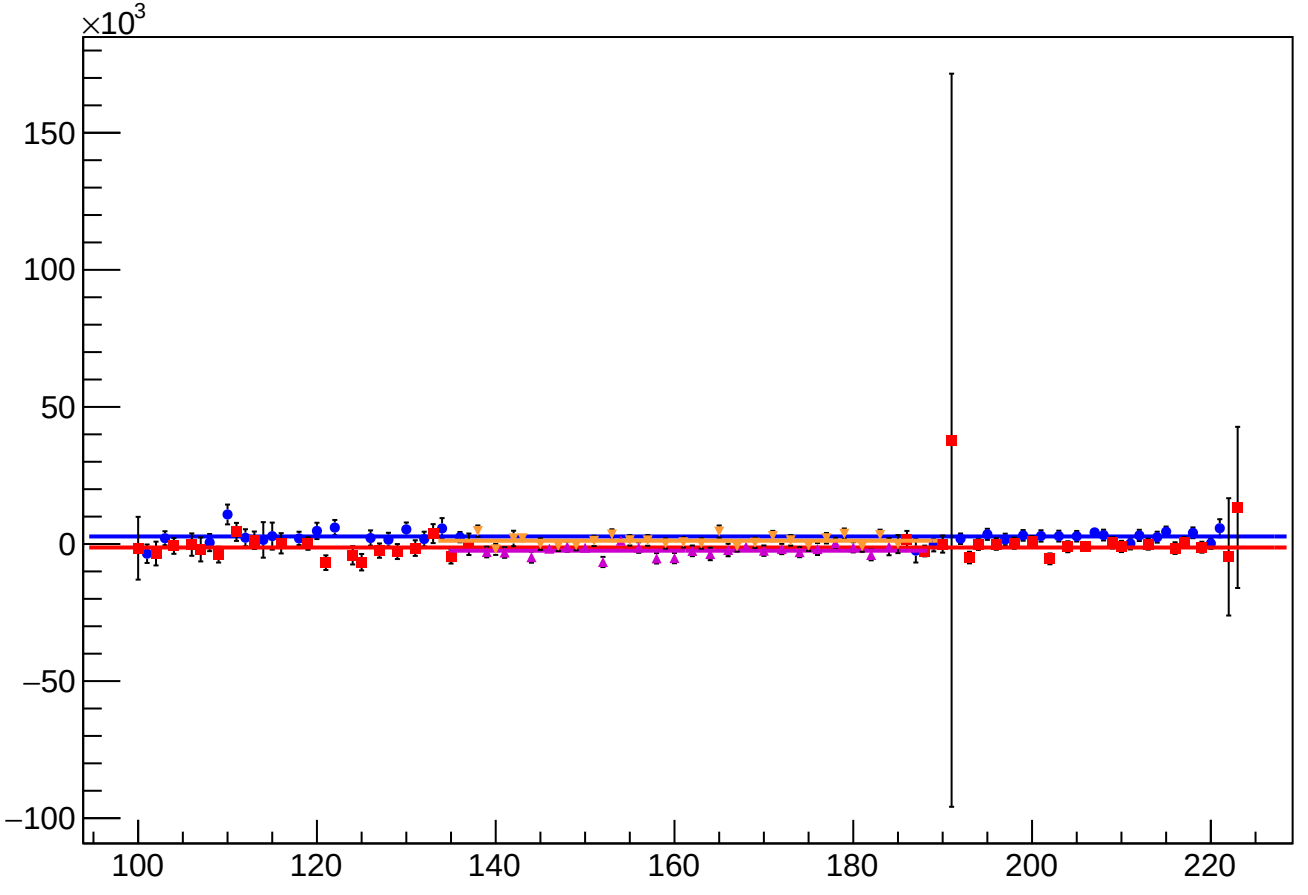
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 2803.398+/-0.404 χ^2/NDF: 32993918.4/58

All: 2213.823+/-0.245 χ^2/NDF: 81214199.1/1

- sign 1872.360+/-0.307 χ^2/NDF: 44854590.9/61

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2755.216+/-405.046 χ^2/NDF: 22.7/33

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1271.487+/-411.198 χ^2/NDF: 31.9/38

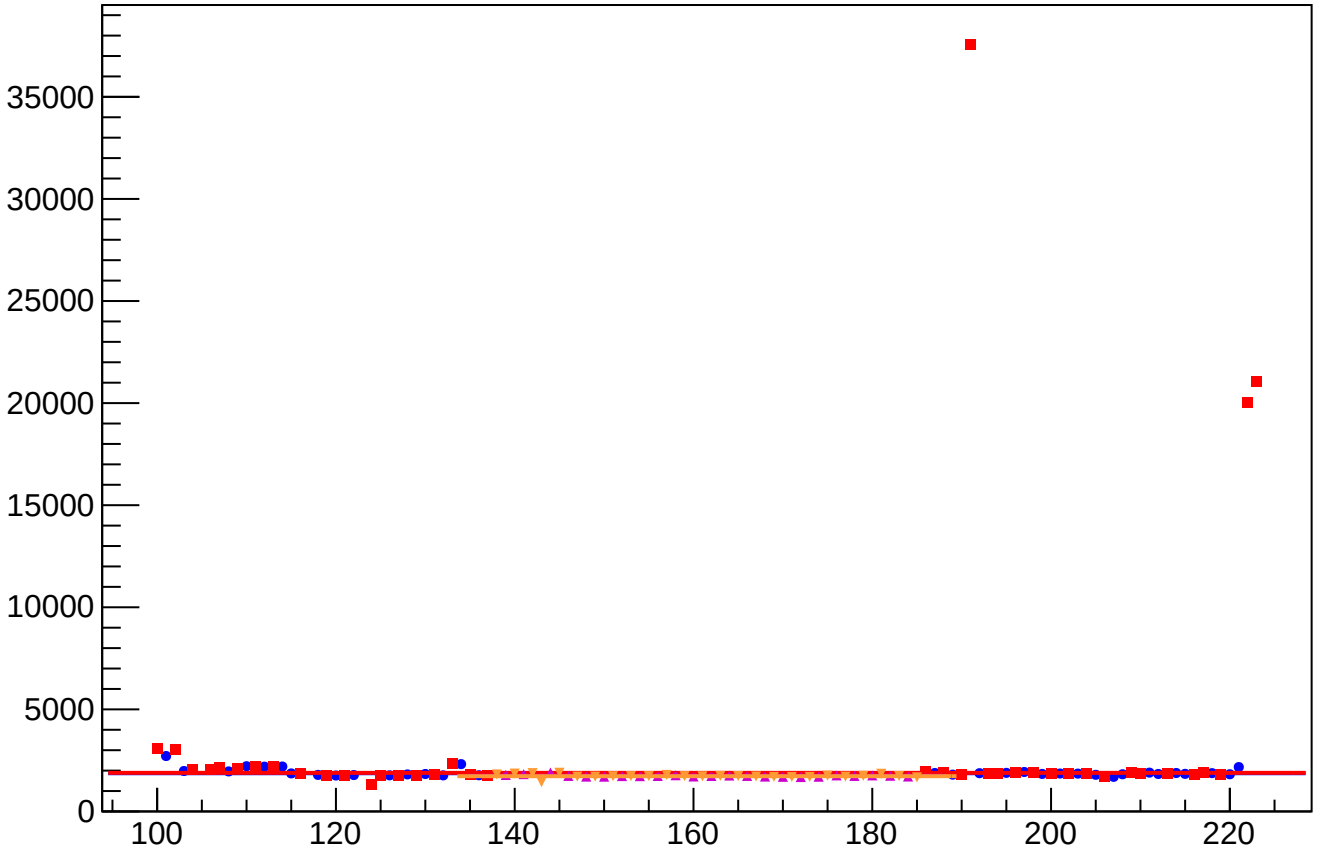
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1952.740+/-282.049 χ^2/NDF: 49.8/58

All: 95.842+/-202.009 χ^2/NDF: 195.4/120

- sign -1859.970+/-289.463 χ^2/NDF: 56.6/61

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1872.263+/-0.286 χ^2/NDF: 271287.8/33

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1890.342+/-0.291 χ^2/NDF: 2809507.6/38

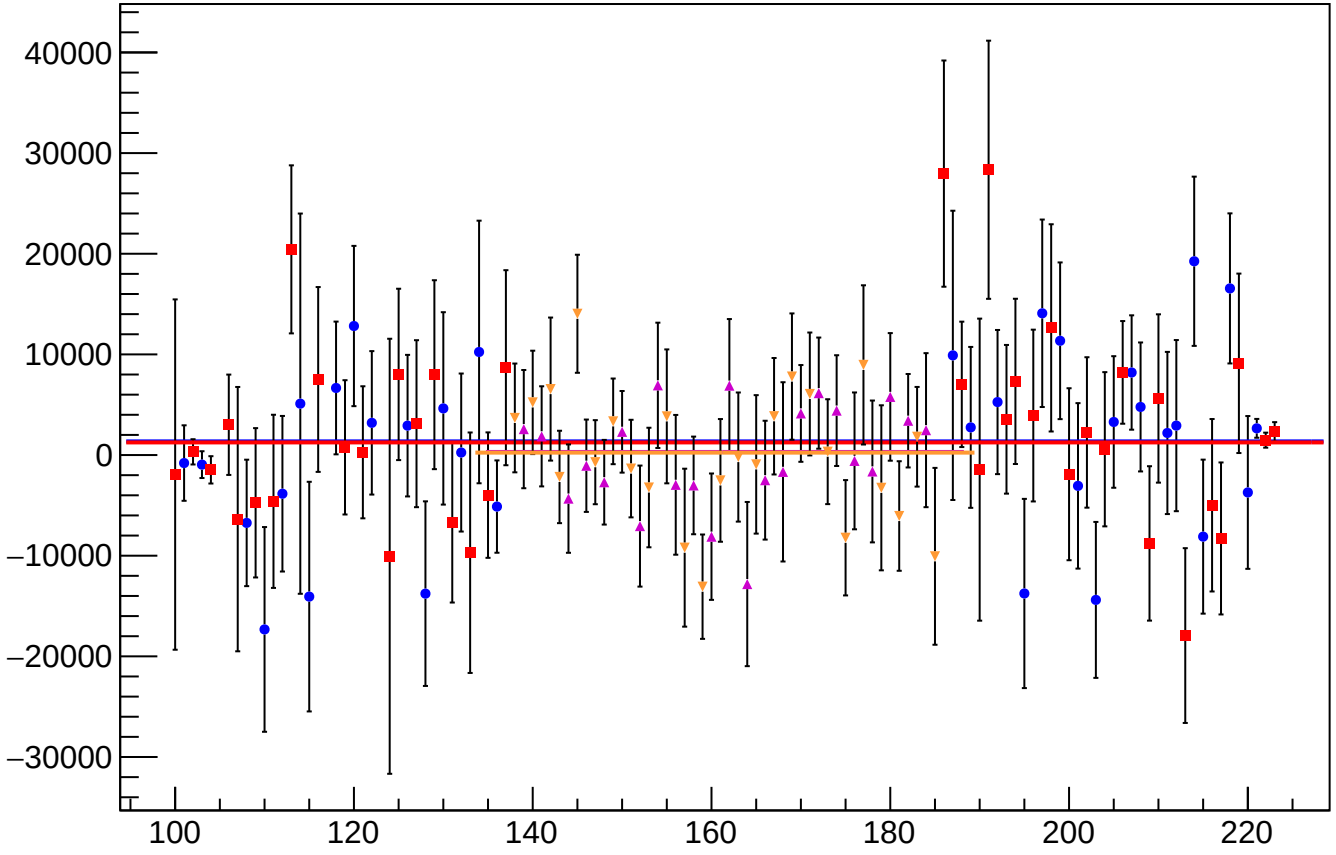
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1797.557+/-0.199 χ^2/NDF: 513634.2/58

All: 1806.959+/-0.143 χ^2/NDF: 3481218.5/12

- sign 1816.858+/-0.205 χ^2/NDF: 2963022.5/61

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: 1357.182+/-659.727 χ^2/NDF: 44.5/33

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 1253.902+/-468.081 χ^2/NDF: 42.6/38

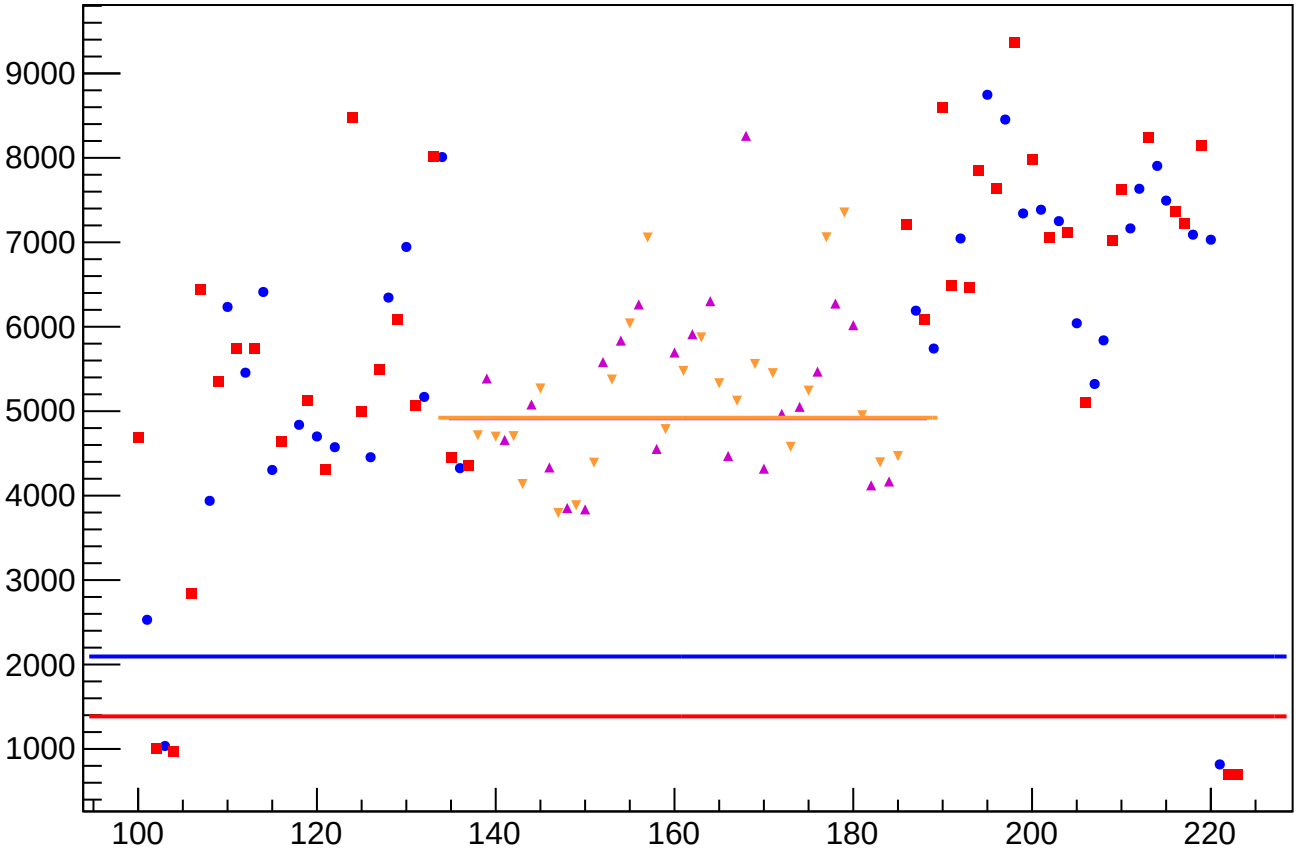
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign 1077.539+/-571.125 χ^2/NDF: 71.9/58

All: 1106.535+/-345.875 χ^2/NDF: 129.6/120

- sign 1123.330+/-434.644 χ^2/NDF: 57.6/61

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2094.937+/-0.466 χ^2/NDF: 22738826.8/33

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1385.901+/-0.331 χ^2/NDF: 28013230.2/38

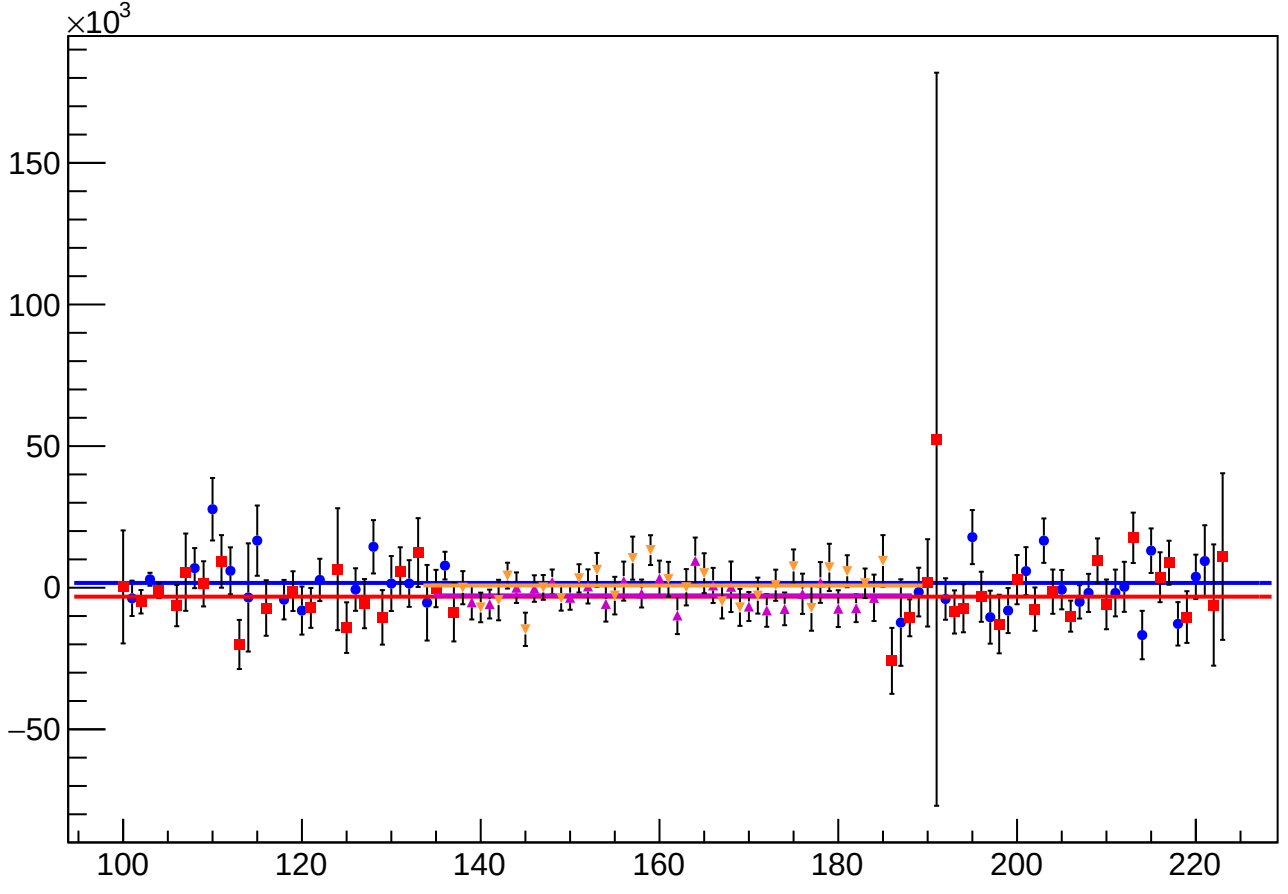
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 2803.396+/-0.404 χ^2/NDF: 32993979.0/58

All: 2213.821+/-0.245 χ^2/NDF: 81214312.5/1

- sign 1872.358+/-0.307 χ^2/NDF: 44854642.0/61

asym_atl1r2_avg_mean vs Slug



Right In: 1690.773+/-1199.033 χ^2/NDF: 38.9/33

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3159.611+/-1221.803 χ^2/NDF: 34.8/38

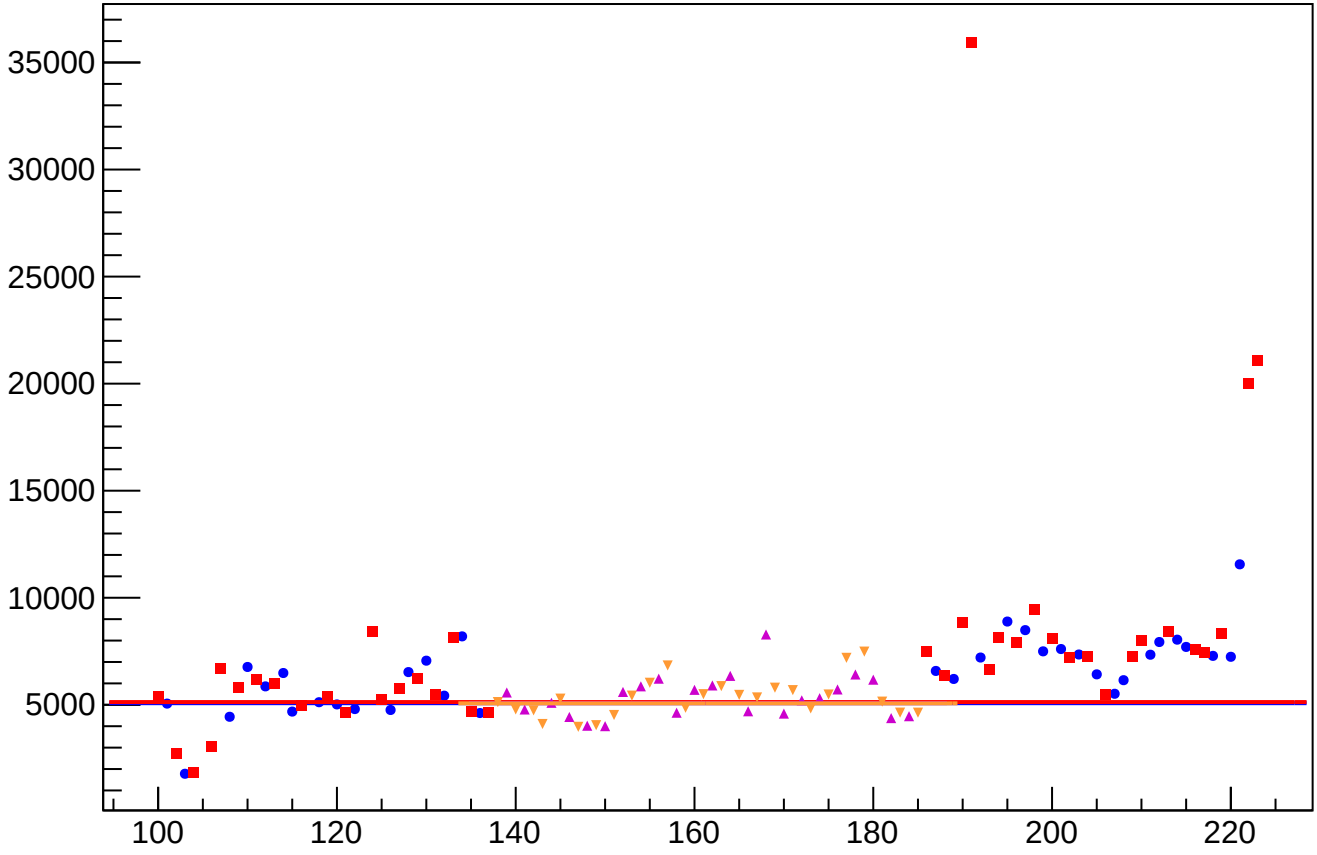
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1229.063+/-838.110 χ^2/NDF: 66.8/58

All: -800.561+/-599.680 χ^2/NDF: 125.6/120

- sign -2929.669+/-858.405 χ^2/NDF: 46.8/61

asym_atl1r2_avg_rms vs Slug



Right In: 5075.854+/-0.848 χ^2/NDF: 7647521.8/33

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 5128.105+/-0.859 χ^2/NDF: 8978461.6/38

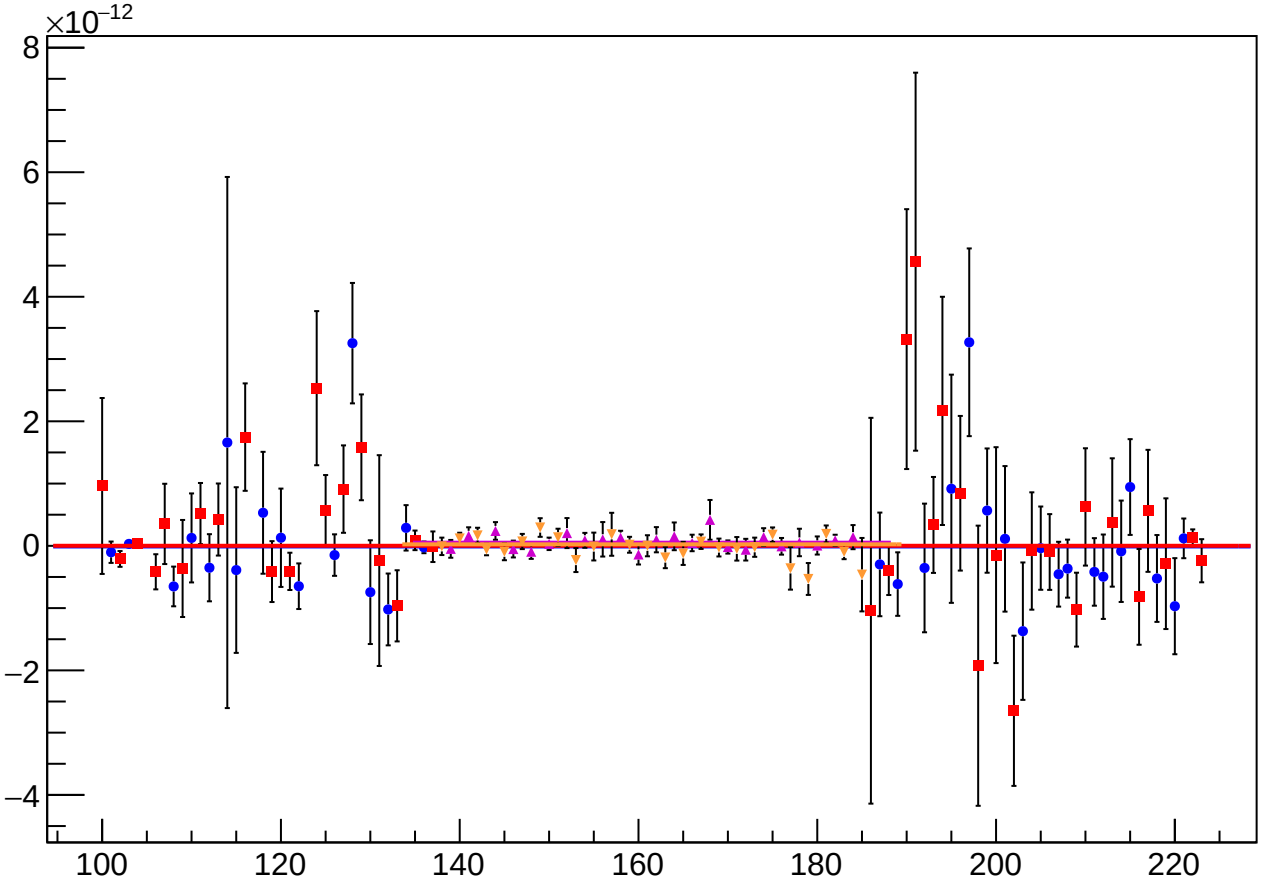
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 5071.785+/-0.593 χ^2/NDF: 8601820.7/58

All: 5087.435+/-0.423 χ^2/NDF: 18584546.9/1

- sign 5103.751+/-0.605 χ^2/NDF: 9981301.8/61

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

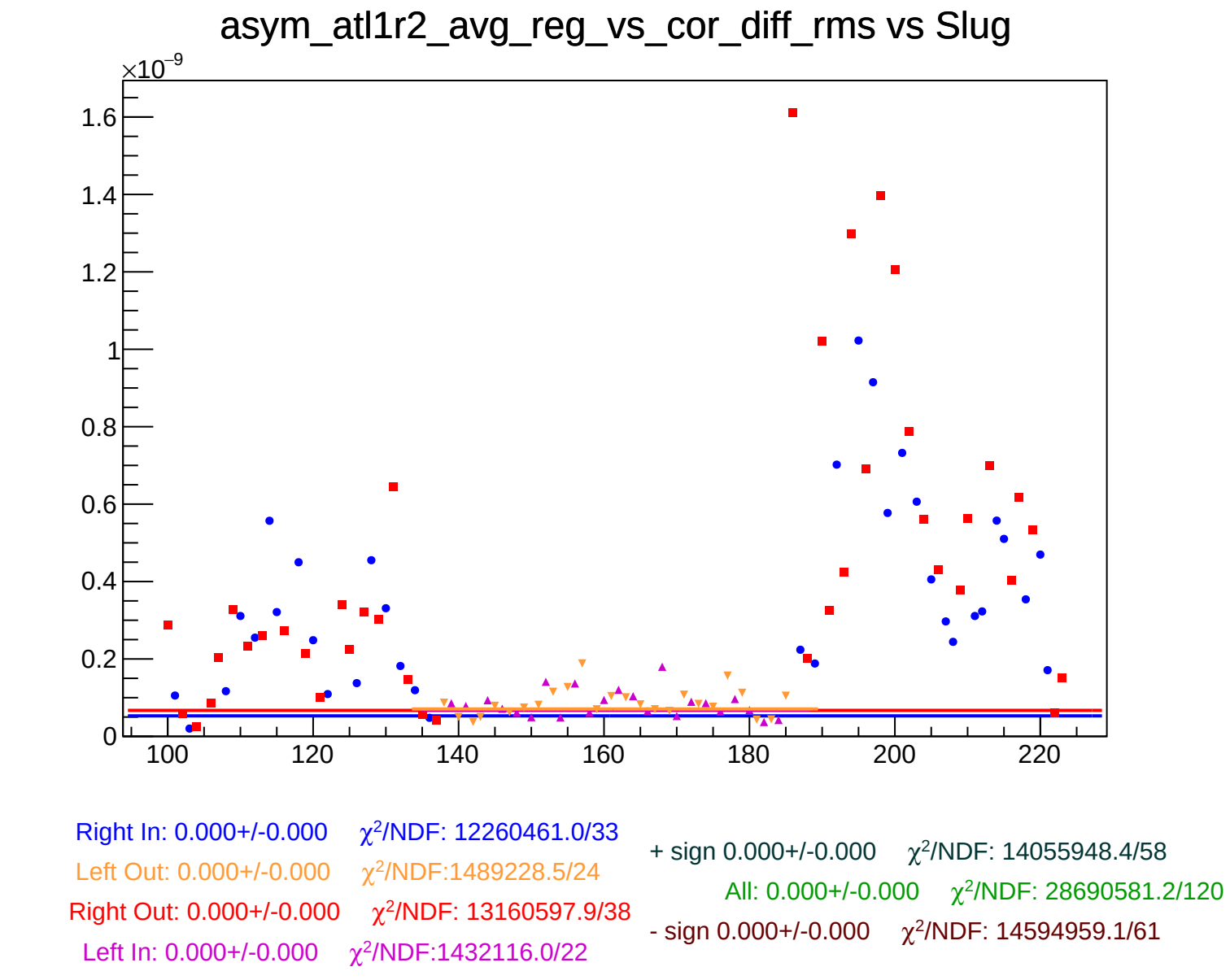
Right Out: 0.000+/-0.000 χ^2/NDF: 48.2/38

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

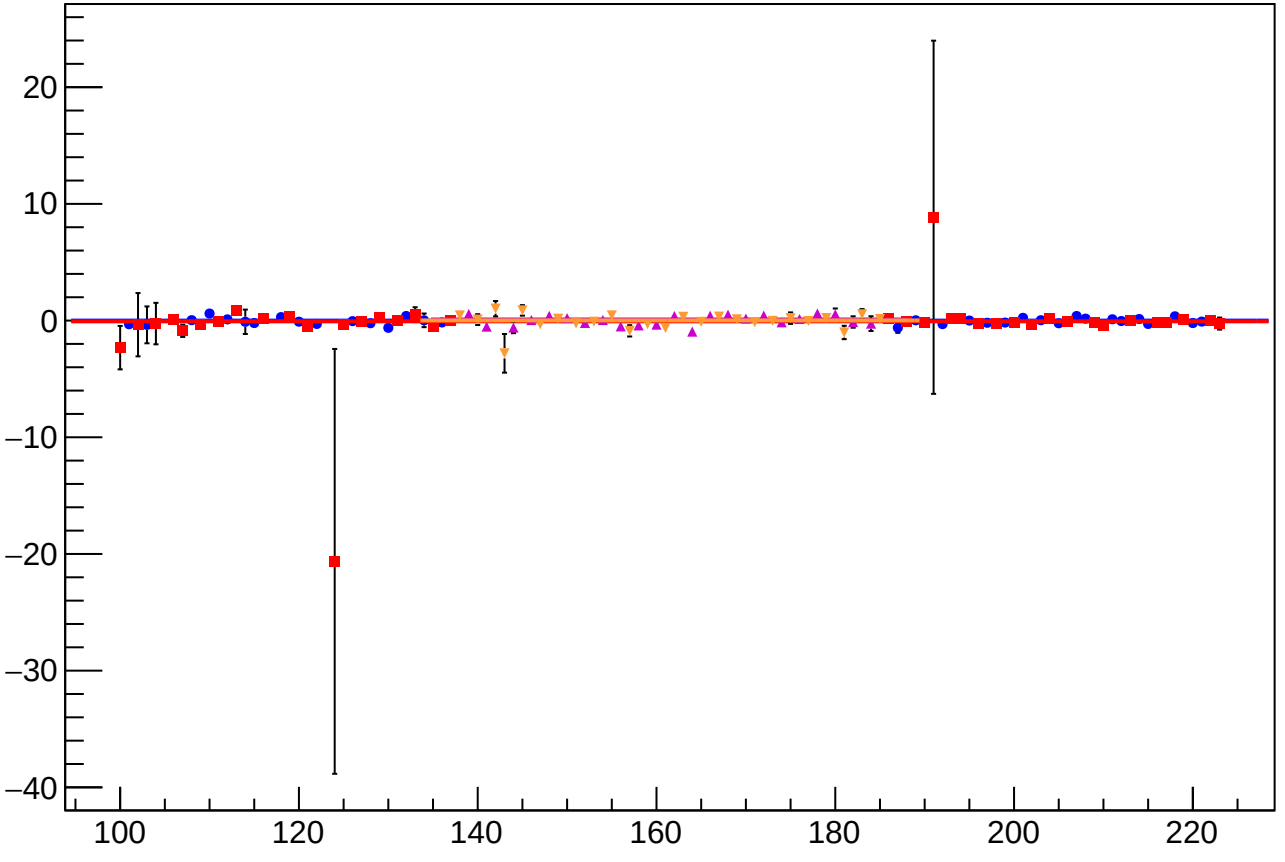
+ sign 0.000+/-0.000 χ^2/NDF: 64.3/58

All: 0.000+/-0.000 χ^2/NDF: 125.1/120

- sign 0.000+/-0.000 χ^2/NDF: 60.2/61


asym_atl1r2_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
220
Right In: 0.000+/-0.000 χ²/NDF: 12260461.0/33
Left Out: 0.000+/-0.000 χ²/NDF:1489228.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 13160597.9/38
Left In: 0.000+/-0.000 χ²/NDF:1432116.0/22
+ sign 0.000+/-0.000 χ²/NDF: 14055948.4/58
All: 0.000+/-0.000 χ²/NDF: 28690581.2/120
- sign 0.000+/-0.000 χ²/NDF: 14594959.1/61

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.042 χ^2/NDF: 35.0/33

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.064+/-0.041 χ^2/NDF: 34.0/38

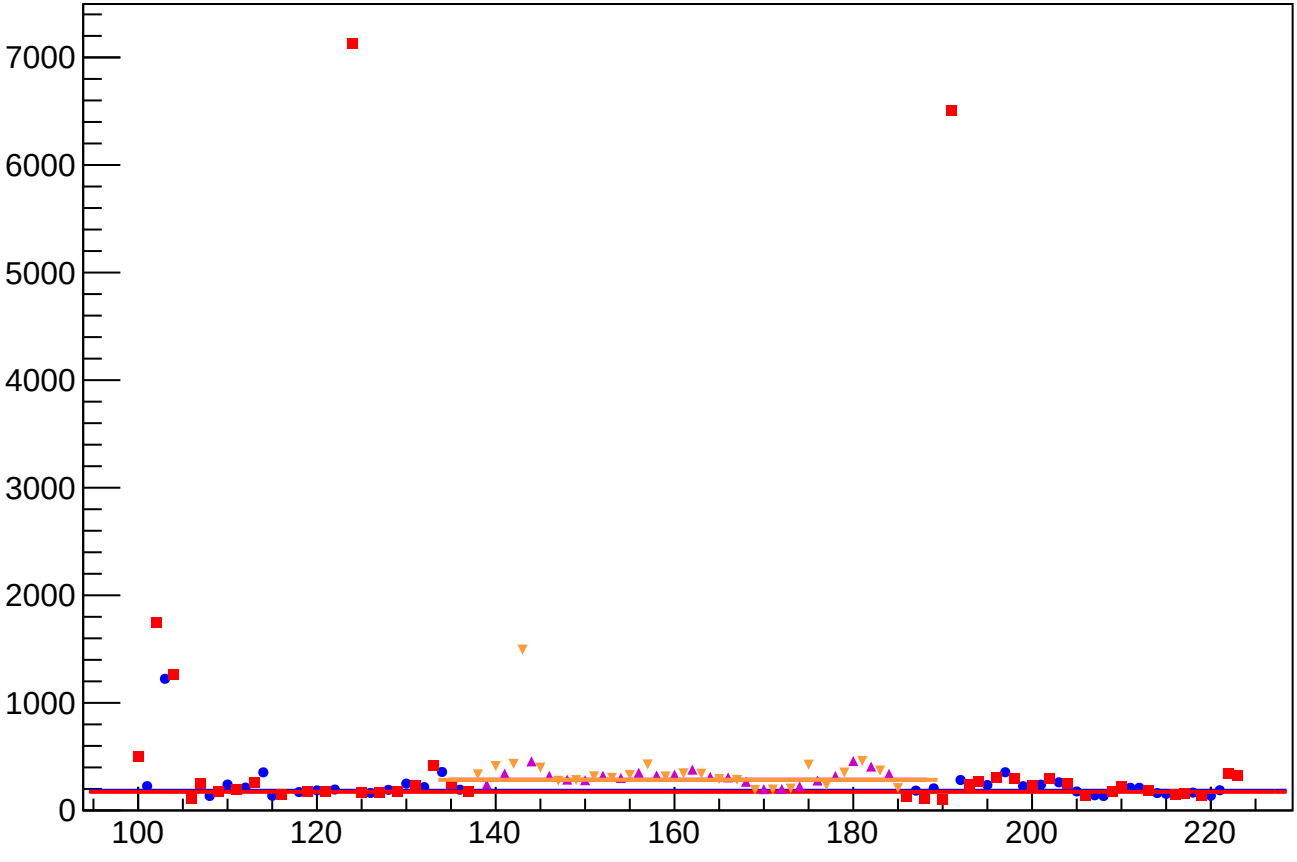
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.036 χ^2/NDF: 63.4/58

All: -0.012+/-0.025 χ^2/NDF: 132.2/120

- sign -0.025+/-0.035 χ^2/NDF: 68.6/61

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 182.949+/-0.030 χ^2/NDF: 3119912.4/33

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

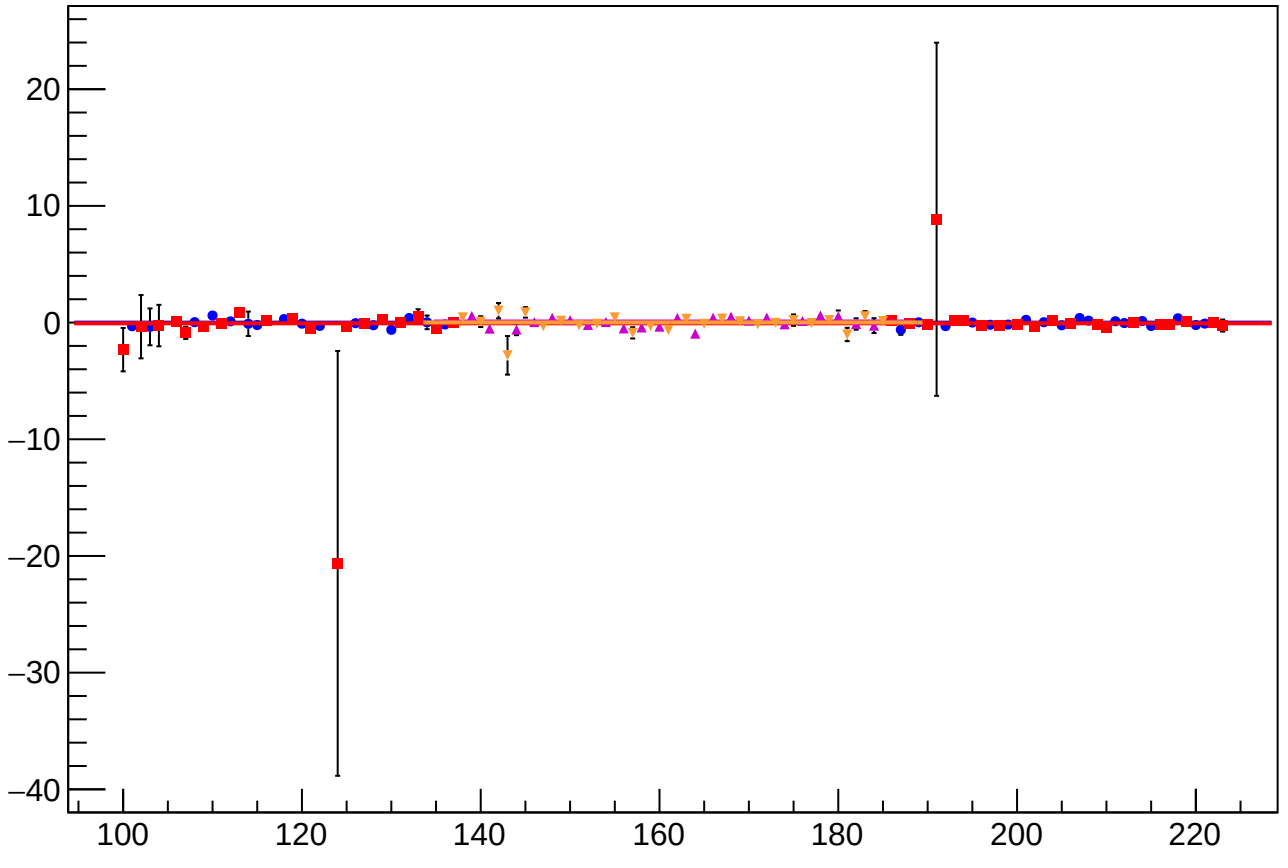
Right Out: 173.093+/-0.029 χ^2/NDF: 6176755.2/38

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 210.169+/-0.025 χ^2/NDF: 9662571.0/58

All: 205.736+/-0.018 χ^2/NDF: 21481883.3/12

- sign 201.480+/-0.025 χ^2/NDF: 11760052.9/61



Right In: -0.004+/-0.042 χ^2/NDF: 35.0/33

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.064+/-0.041 χ^2/NDF: 34.0/38

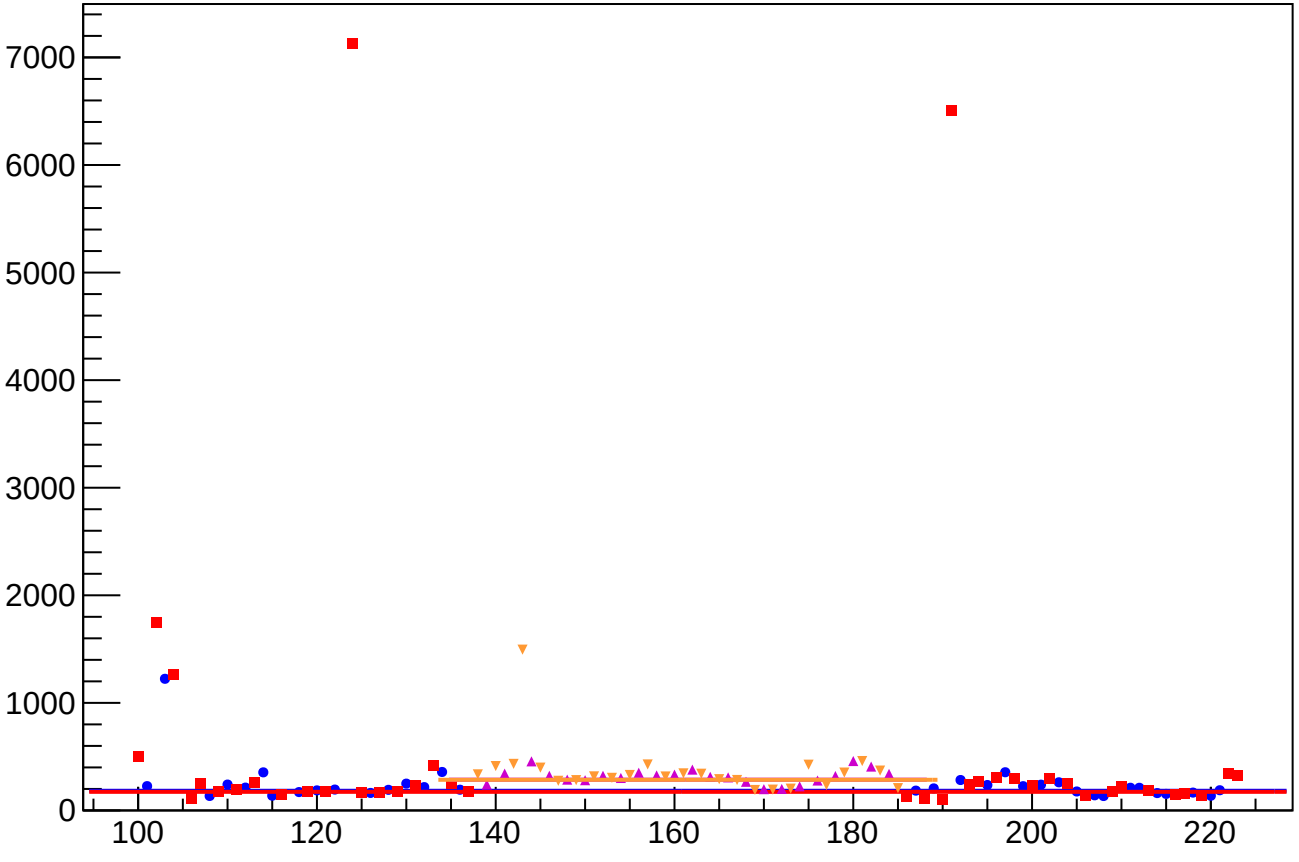
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.036 χ^2/NDF: 63.4/58

All: -0.012+/-0.025 χ^2/NDF: 132.2/120

- sign -0.025+/-0.035 χ^2/NDF: 68.6/61

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 182.949+/-0.030 χ^2/NDF: 3119912.4/33

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

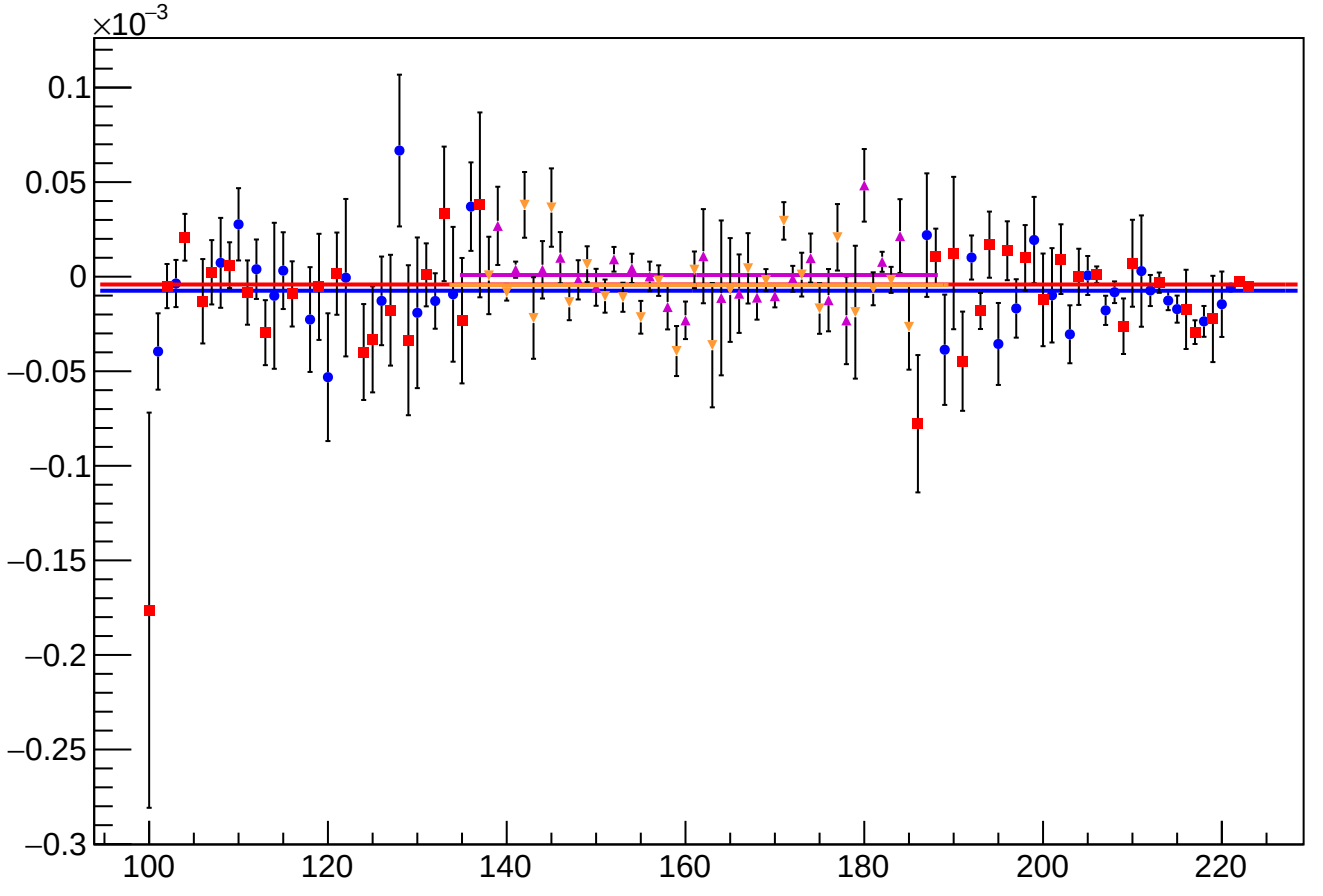
Right Out: 173.093+/-0.029 χ^2/NDF: 6176755.2/38

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 210.169+/-0.025 χ^2/NDF: 9662571.0/58

All: 205.736+/-0.018 χ^2/NDF: 21481883.3/12

- sign 201.480+/-0.025 χ^2/NDF: 11760052.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.6/38

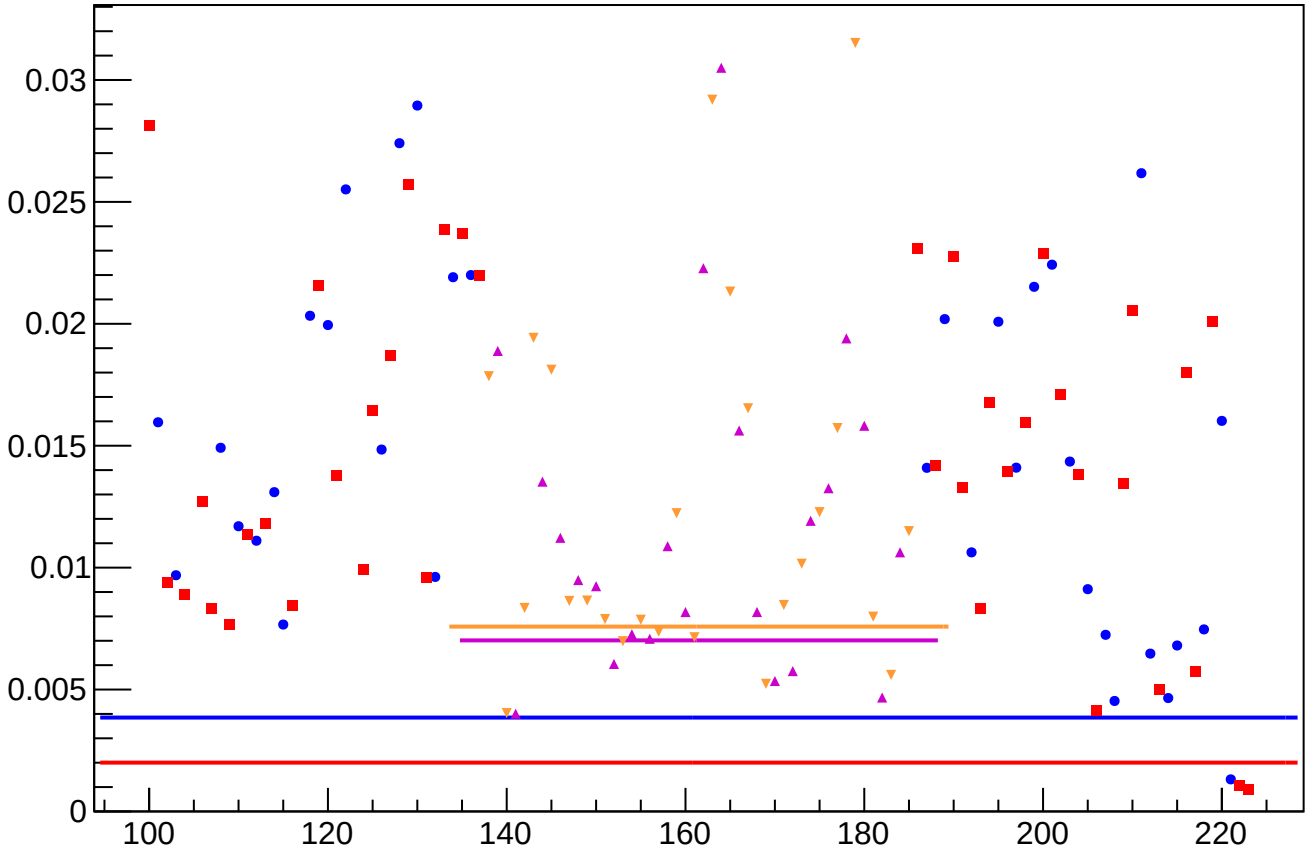
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.7/58

All: -0.000+/-0.000 χ^2/NDF: 176.8/120

- sign -0.000+/-0.000 χ^2/NDF: 88.4/61

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 23911098.2/33

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

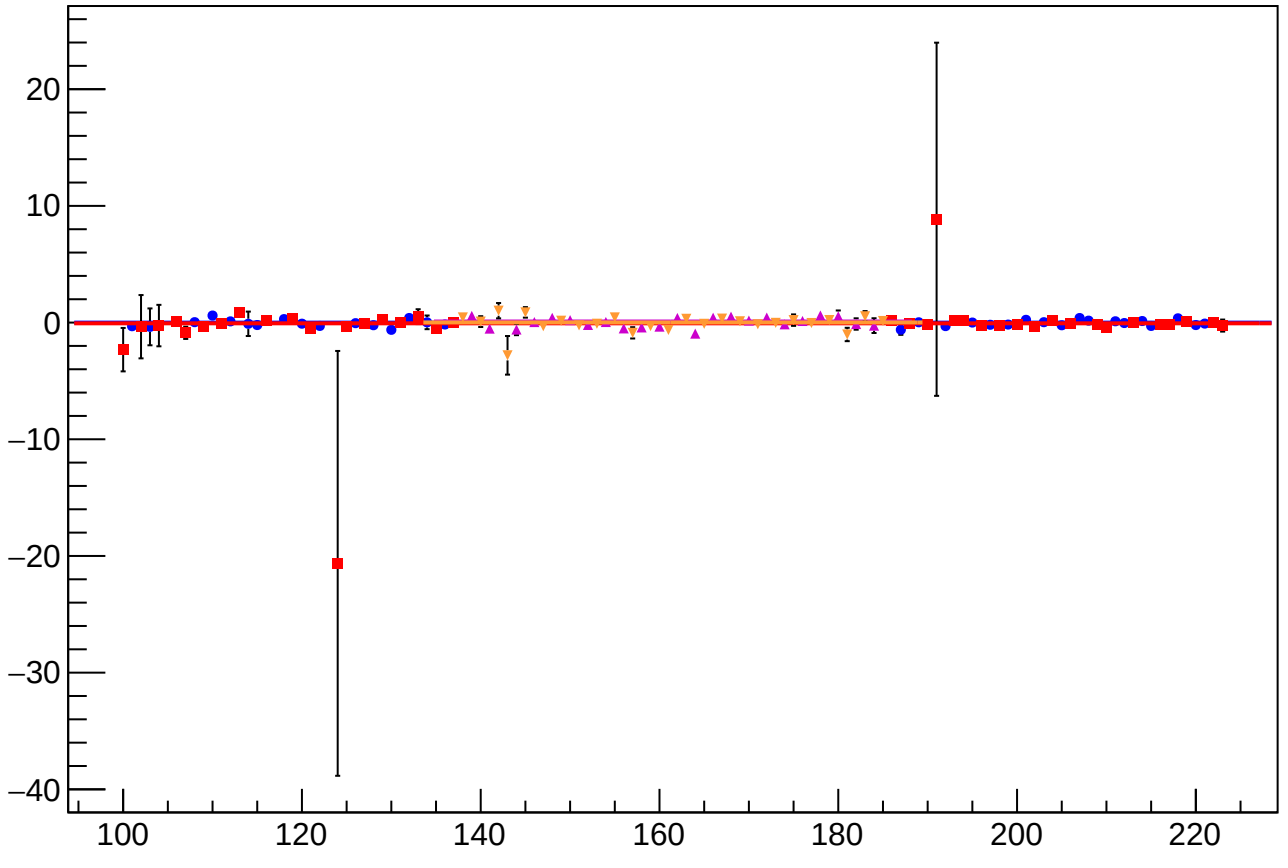
Right Out: 0.002+/-0.000 χ^2/NDF: 31621826.2/38

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 36243839.8/58

All: 0.003+/-0.000 χ^2/NDF: 92155408.8/120

- sign 0.003+/-0.000 χ^2/NDF: 50113877.3/61



Right In: -0.004+/-0.042 χ^2/NDF: 35.0/33

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.064+/-0.041 χ^2/NDF: 34.0/38

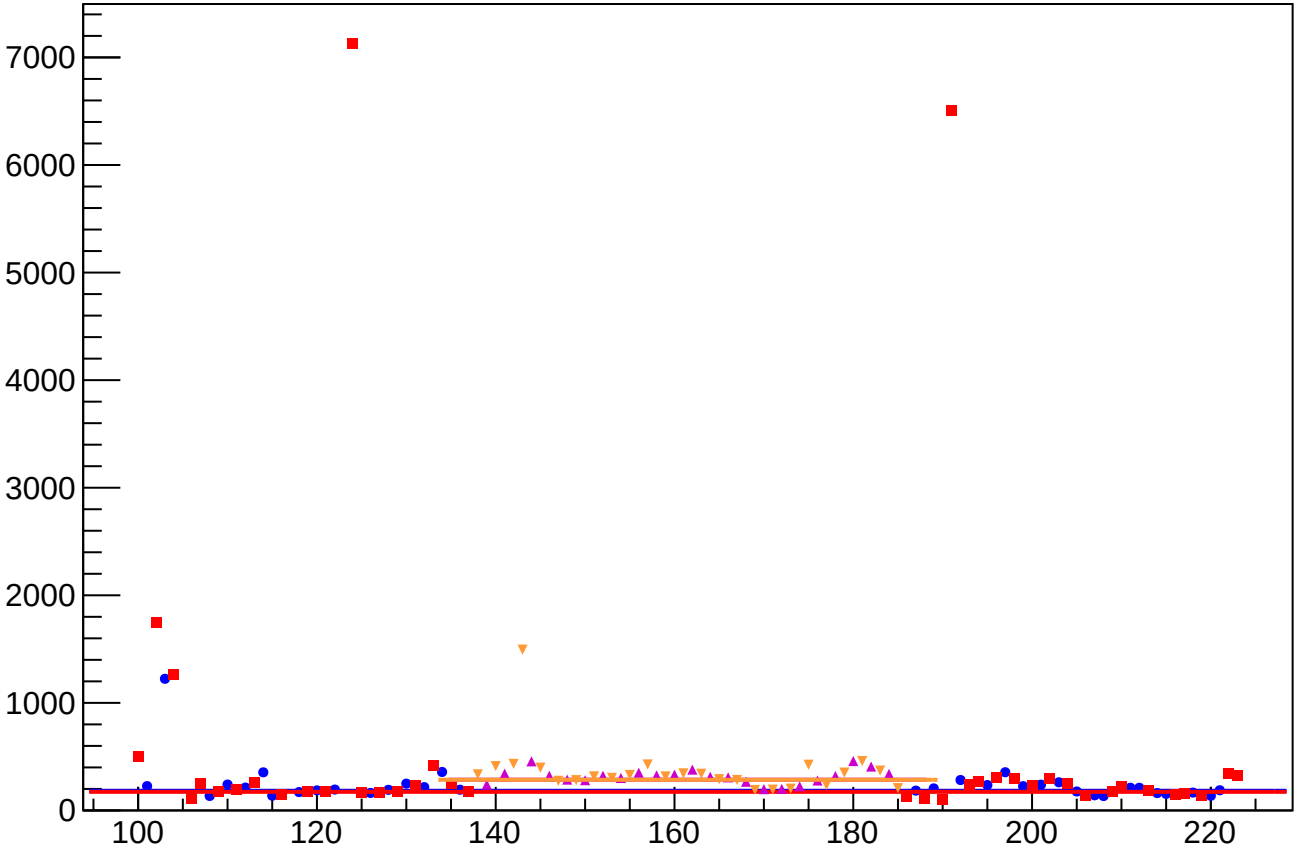
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.036 χ^2/NDF: 63.4/58

All: -0.012+/-0.025 χ^2/NDF: 132.2/120

- sign -0.025+/-0.035 χ^2/NDF: 68.6/61

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 182.949+/-0.030 χ^2/NDF: 3119917.8/33

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

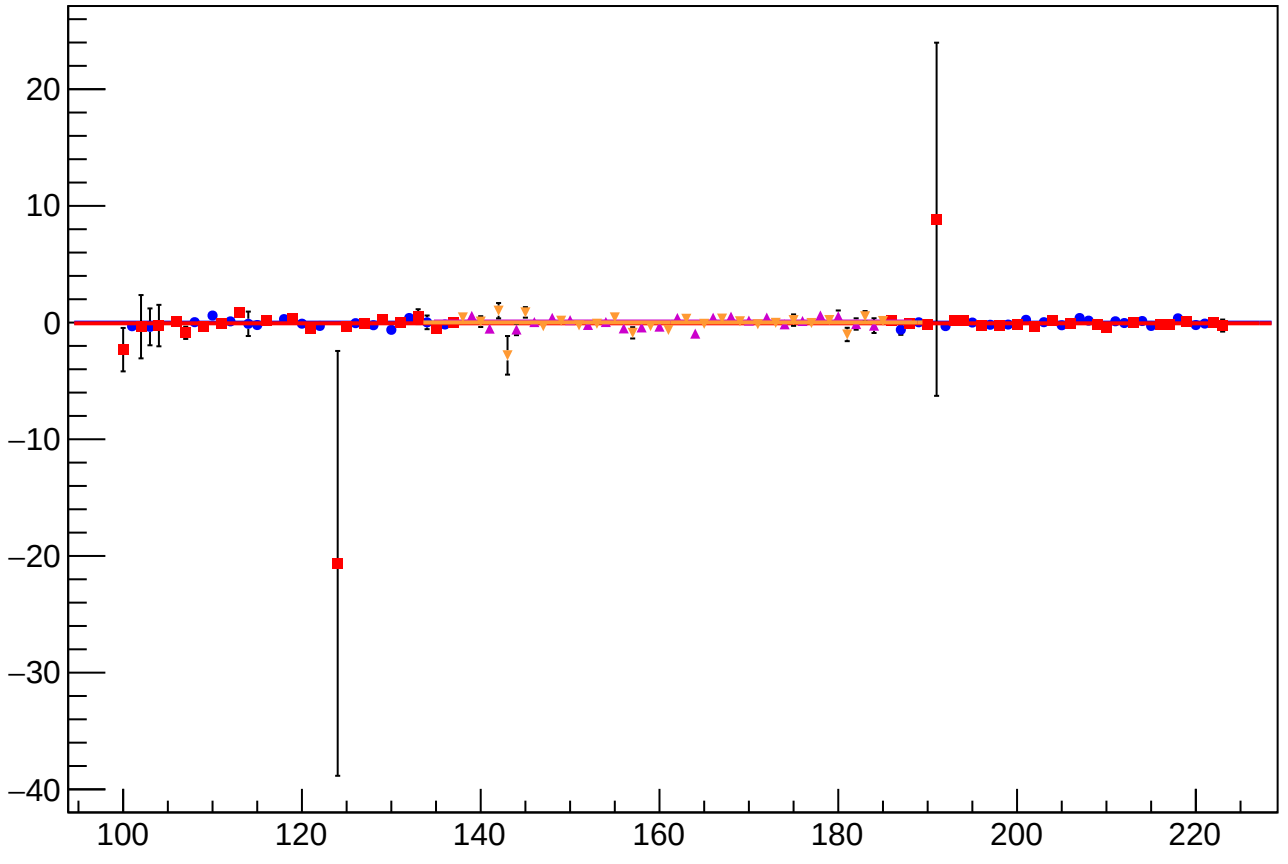
Right Out: 173.091+/-0.029 χ^2/NDF: 6176879.3/38

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 210.169+/-0.025 χ^2/NDF: 9662768.7/58

All: 205.735+/-0.018 χ^2/NDF: 21482515.5/12

- sign 201.478+/-0.025 χ^2/NDF: 11760469.8/61



Right In: -0.004+/-0.042 χ^2/NDF: 35.0/33

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

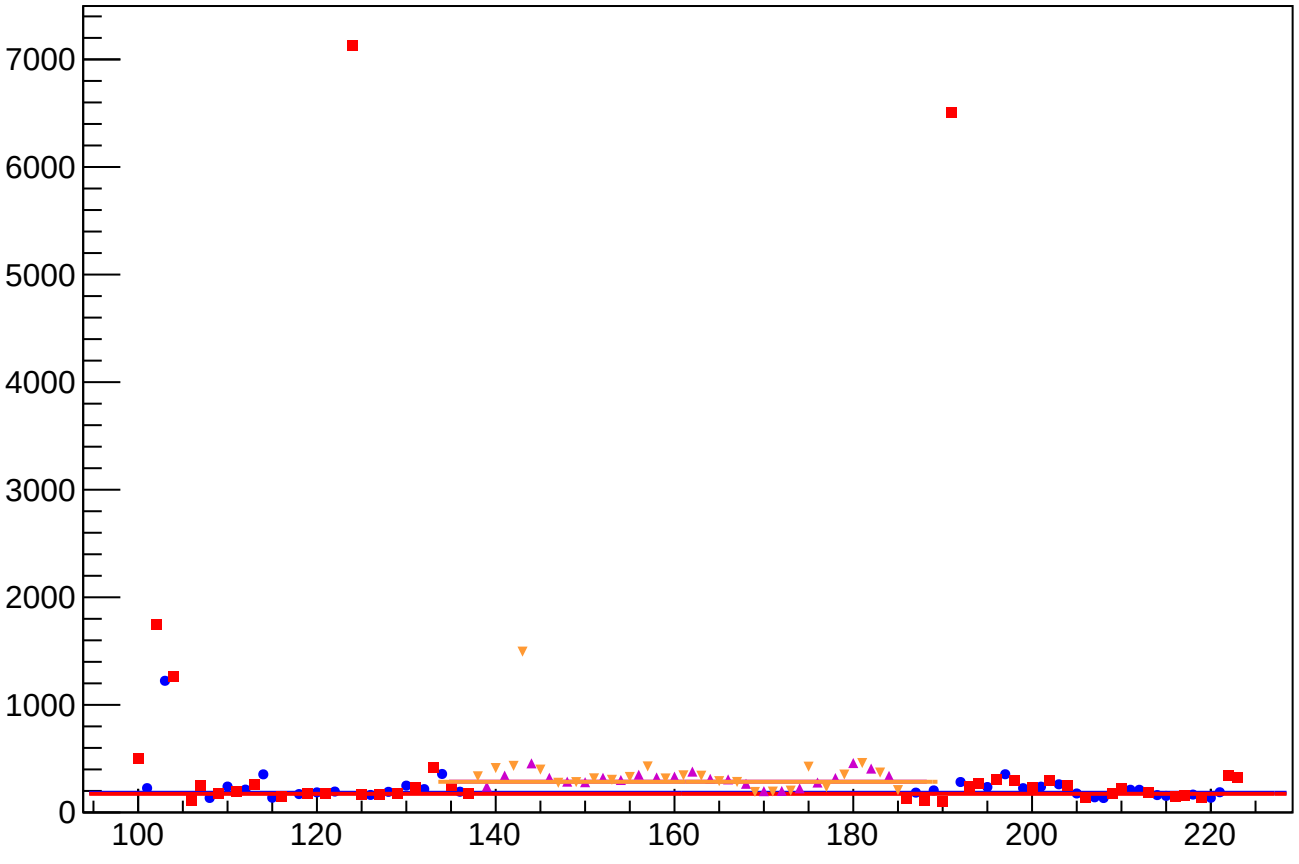
Right Out: -0.064+/-0.041 χ^2/NDF: 34.0/38

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.036 χ^2/NDF: 63.4/58

All: -0.012+/-0.025 χ^2/NDF: 132.2/120

- sign -0.025+/-0.035 χ^2/NDF: 68.6/61



Right In: 182.949+/-0.030 χ^2/NDF: 3119917.8/33

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

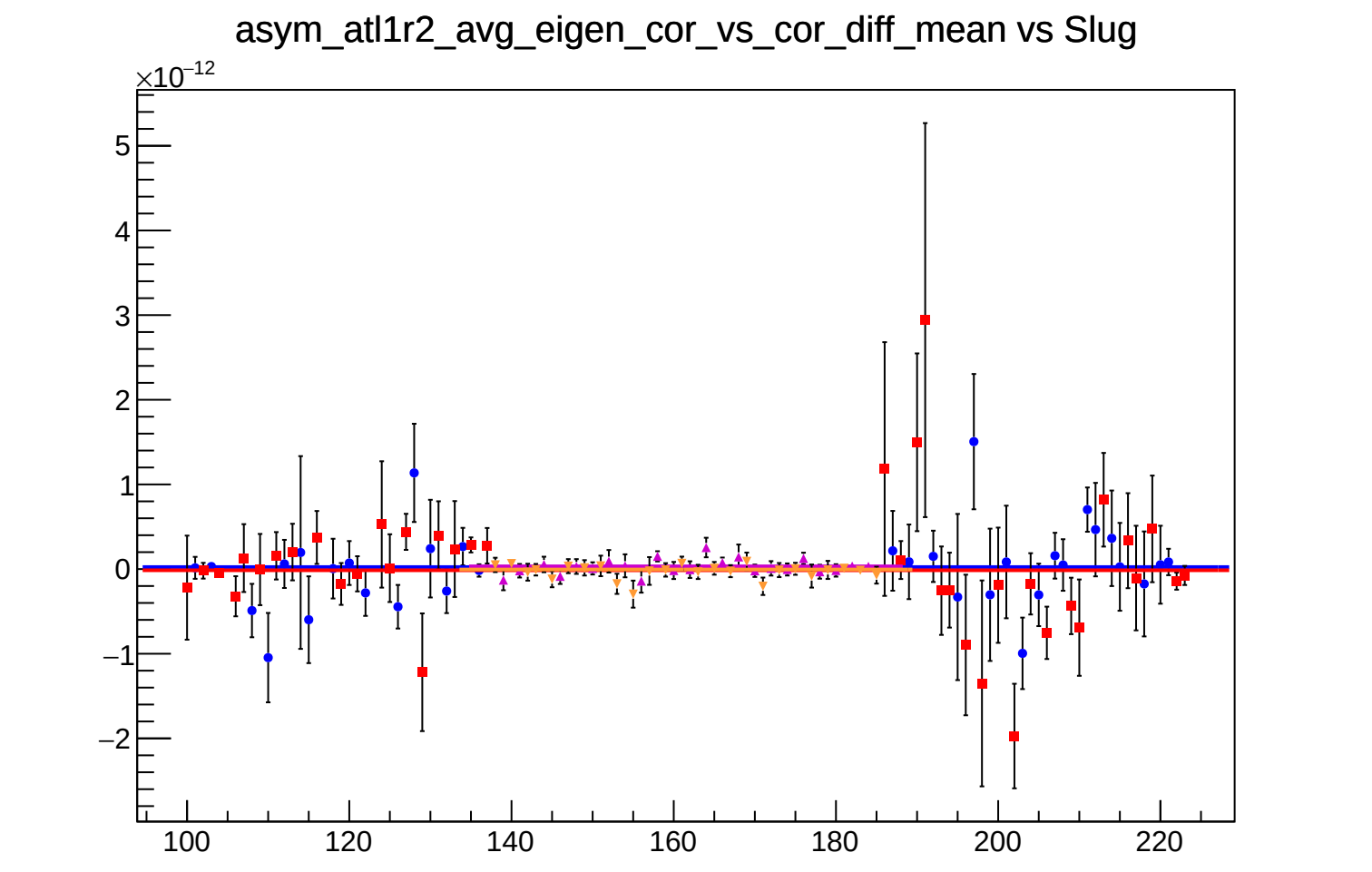
Right Out: 173.091+/-0.029 χ^2/NDF: 6176879.3/38

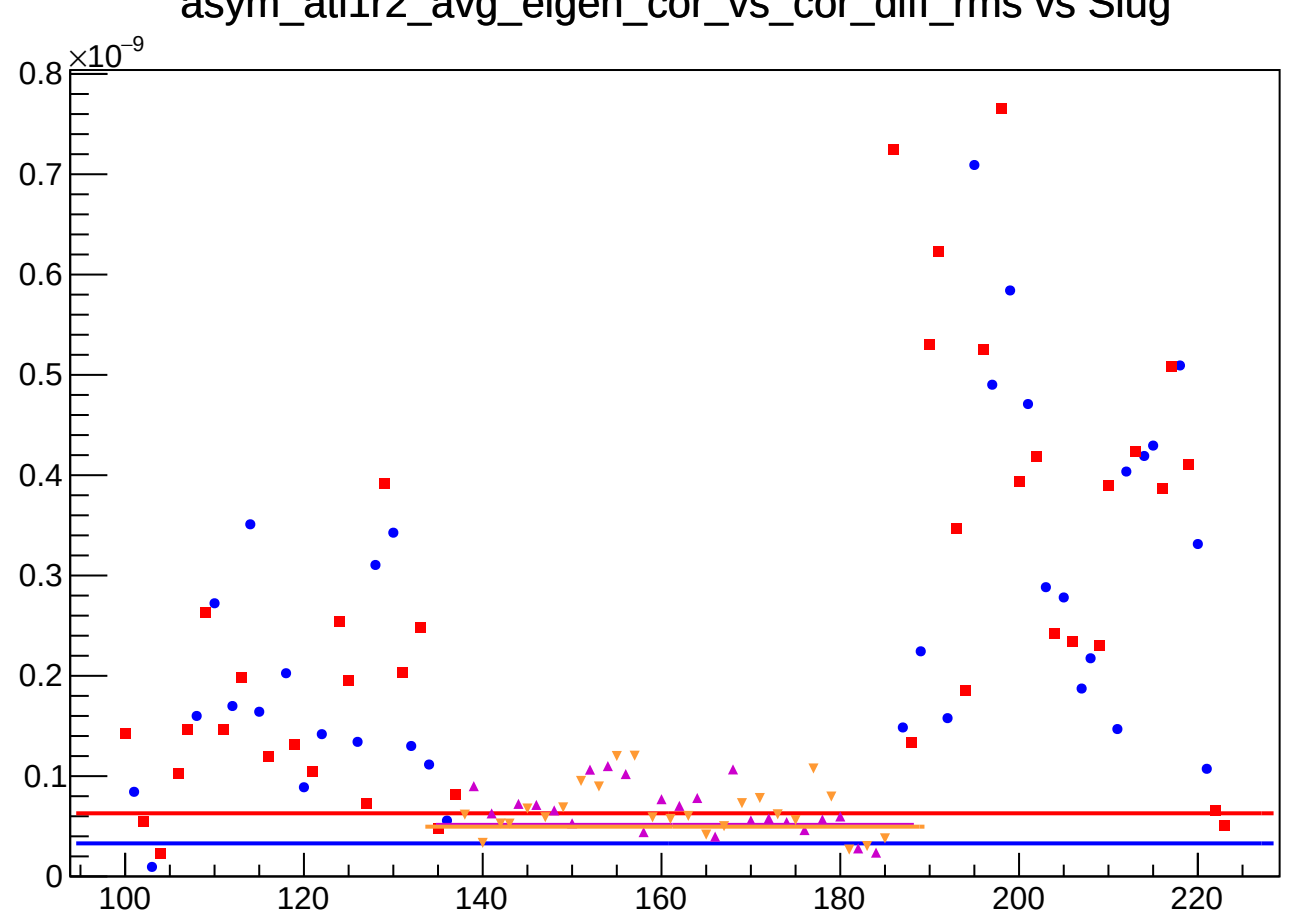
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 210.169+/-0.025 χ^2/NDF: 9662768.7/58

All: 205.735+/-0.018 χ^2/NDF: 21482515.5/12

- sign 201.478+/-0.025 χ^2/NDF: 11760469.8/61


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 38.5/33
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 59.8/38
Left In: 0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 56.3/58
All: 0.000+/-0.000 χ²/NDF: 137.7/120
- sign 0.000+/-0.000 χ²/NDF: 80.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 20098705.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14459043.7/38

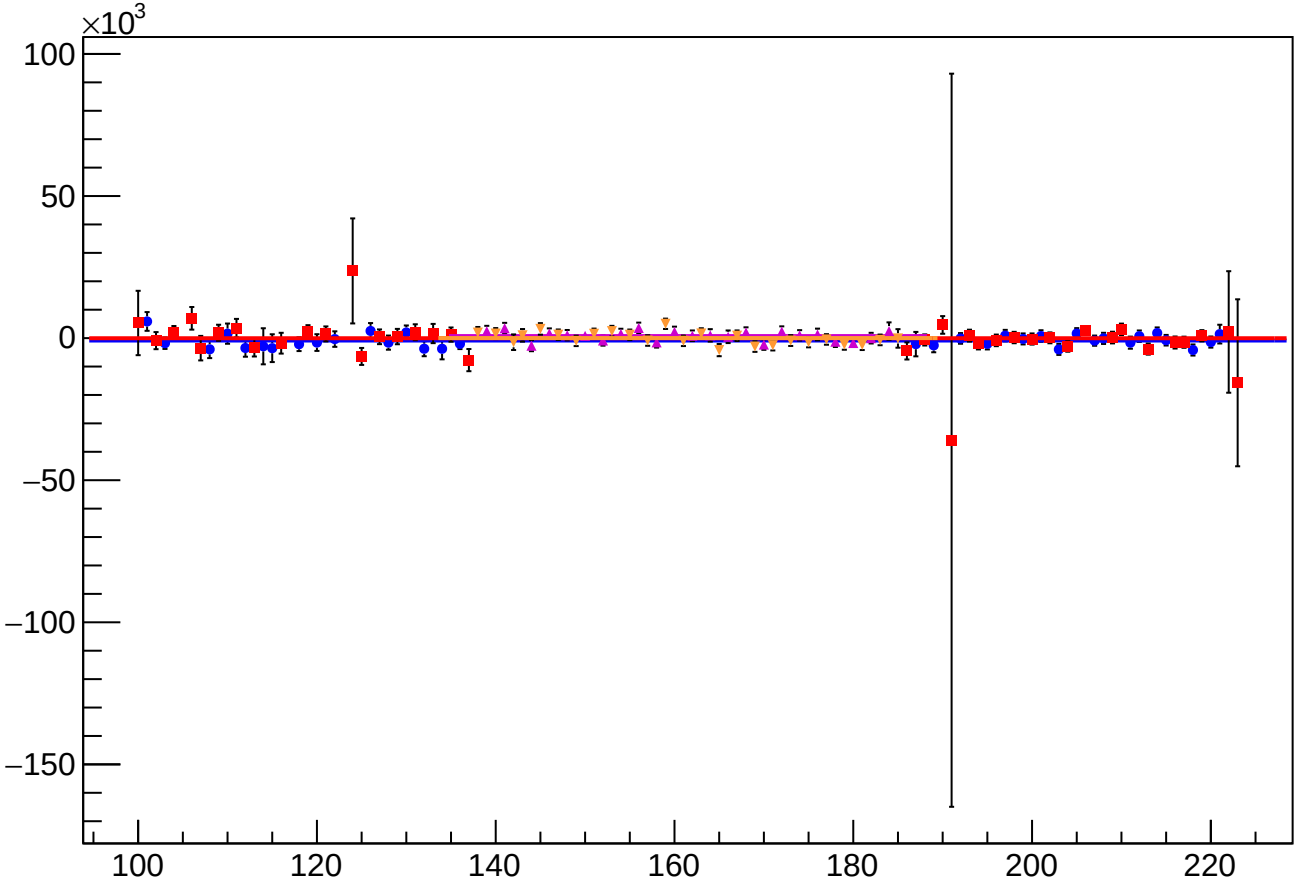
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24865591.8/58

All: 0.000+/-0.000 χ^2/NDF: 43916878.9/120

- sign 0.000+/-0.000 χ^2/NDF: 18377709.9/61

reg_asym_atl1r2_dd_mean vs Slug



Right In: -840.839+/-397.749 χ^2/NDF: 25.2/33

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -40.908+/-405.005 χ^2/NDF: 39.3/38

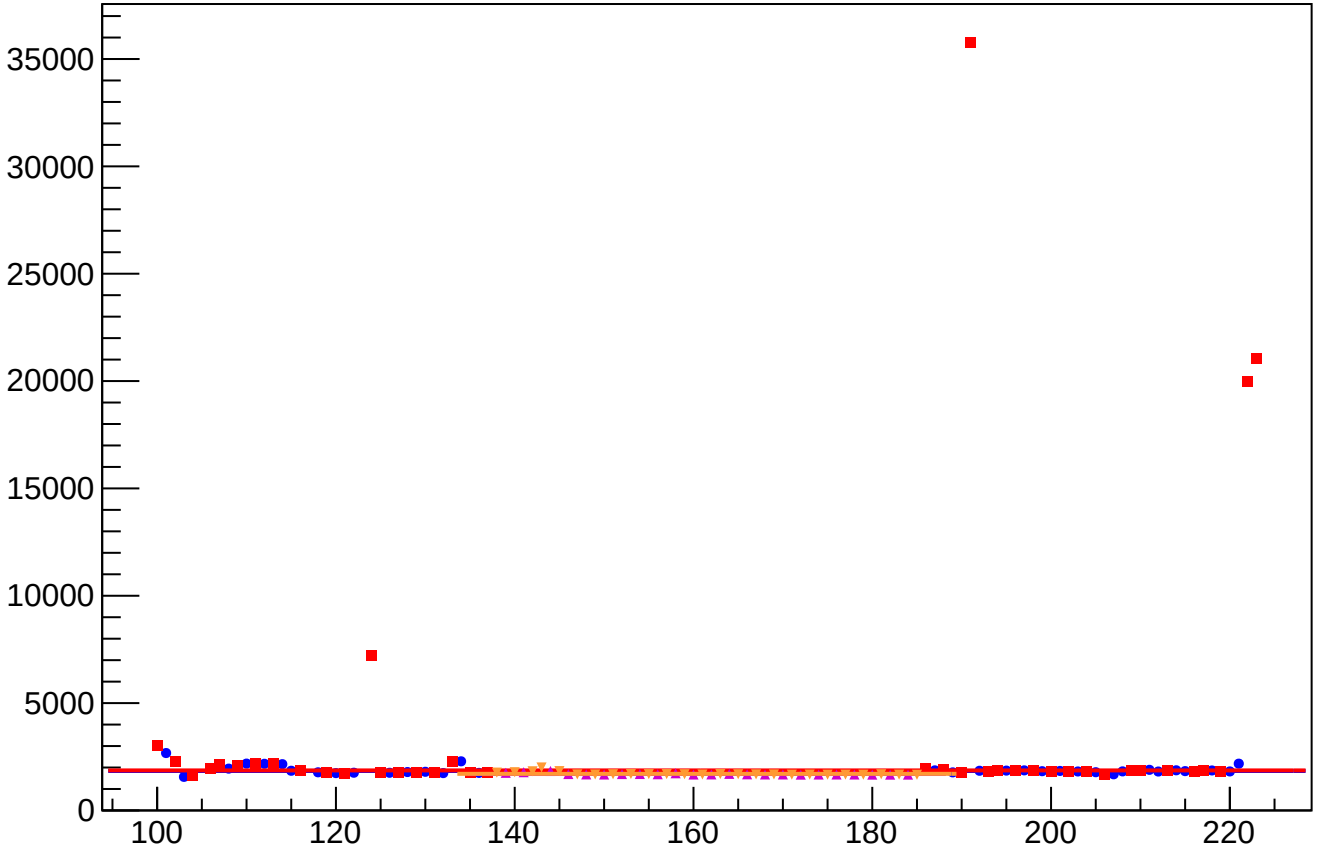
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

\+ sign -397.847+/-277.642 χ^2/NDF: 57.1/58

All: -32.743+/-198.295 χ^2/NDF: 120.8/120

\- sign 347.415+/-283.308 χ^2/NDF: 60.2/61

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1838.374+/-0.281 χ^2/NDF: 303805.6/33

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1864.581+/-0.286 χ^2/NDF: 2829036.8/38

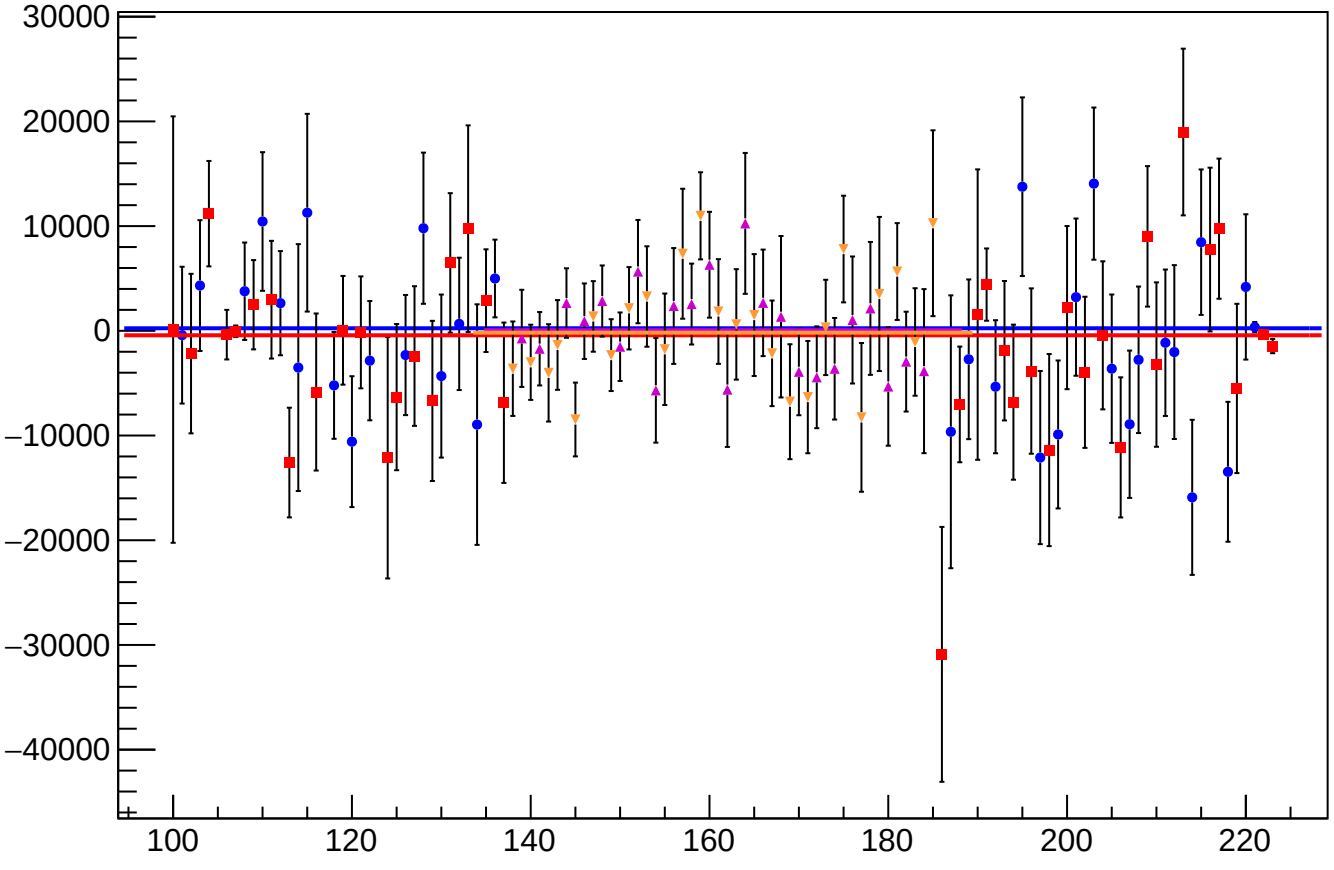
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1770.312+/-0.196 χ^2/NDF: 477947.2/58

All: 1774.730+/-0.140 χ^2/NDF: 3503093.7/12

- sign 1779.328+/-0.200 χ^2/NDF: 3024112.7/61

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 242.793+/-452.175 χ^2/NDF: 39.2/33

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -426.346+/-287.195 χ^2/NDF: 47.6/38

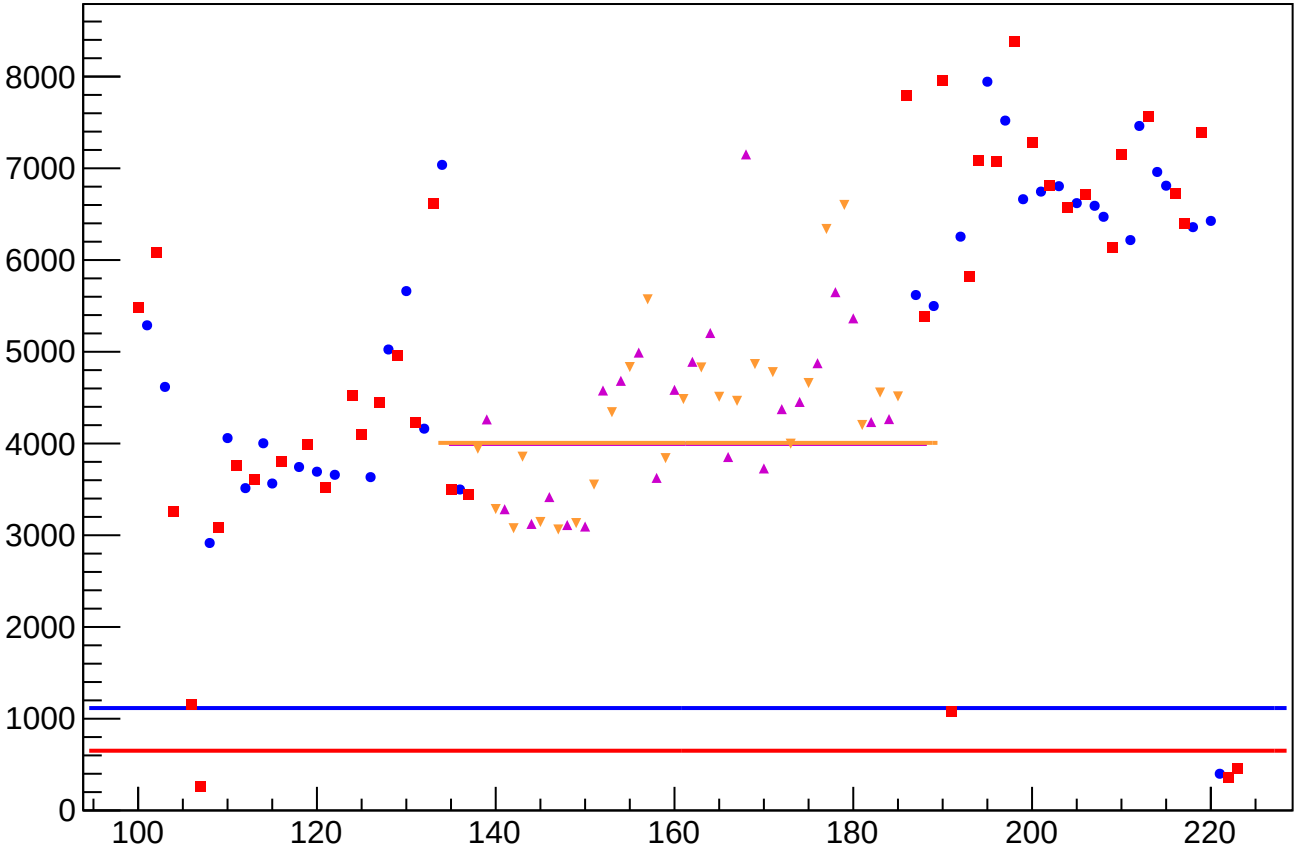
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 163.473+/-407.083 χ^2/NDF: 67.3/58

All: -214.051+/-227.911 χ^2/NDF: 130.7/120

- sign -386.411+/-275.061 χ^2/NDF: 62.2/61

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 1116.247+/-0.320 χ^2/NDF: 30933136.7/33

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 651.134+/-0.203 χ^2/NDF: 34200461.2/38

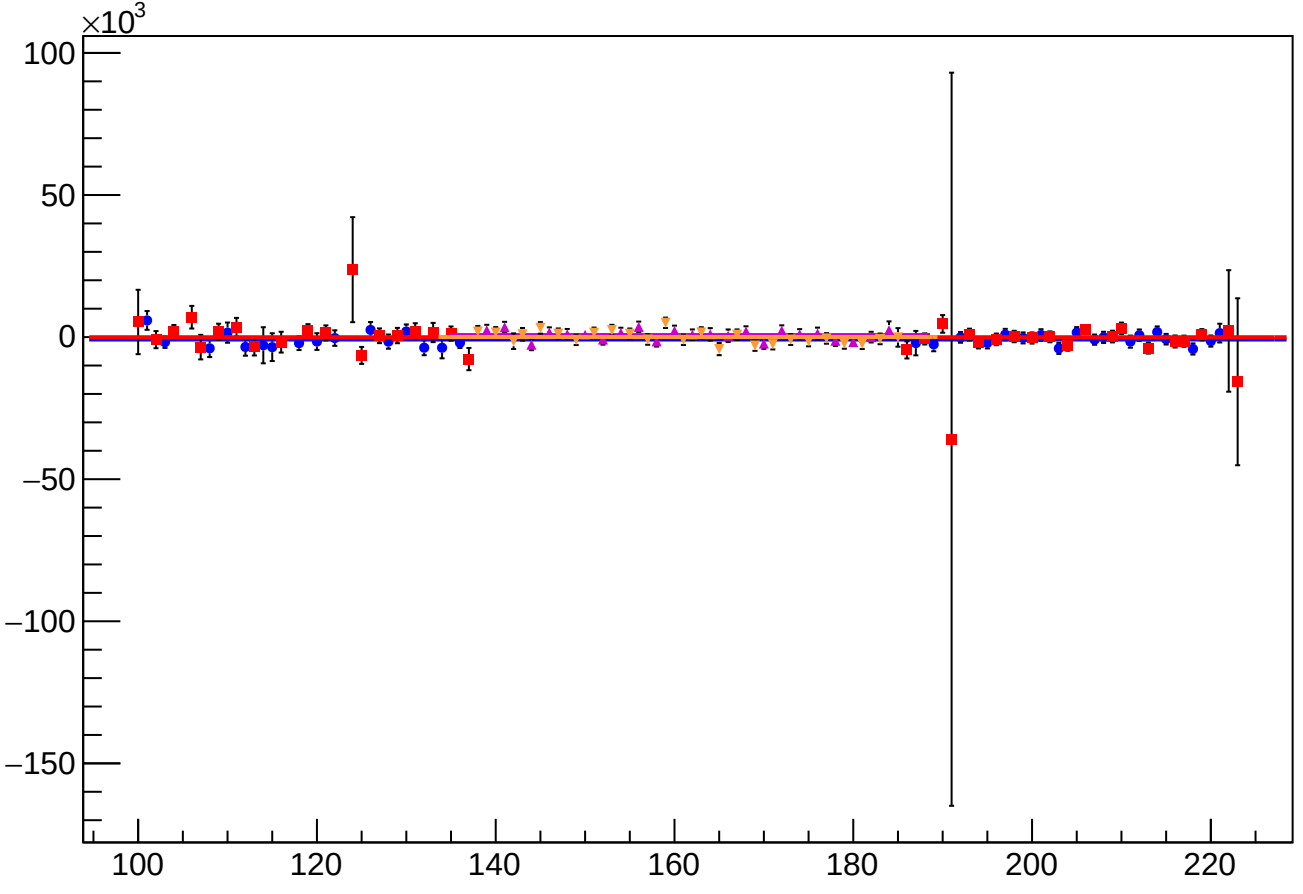
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 1664.046+/-0.288 χ^2/NDF: 47926748.6/58

All: 1158.522+/-0.161 χ^2/NDF: 110583914.4/

- sign 927.723+/-0.194 χ^2/NDF: 58164793.1/61

cor_asym_atl1r2_dd_mean vs Slug



Right In: -840.685+/-397.749 χ^2/NDF: 25.2/33

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -40.755+/-405.005 χ^2/NDF: 39.4/38

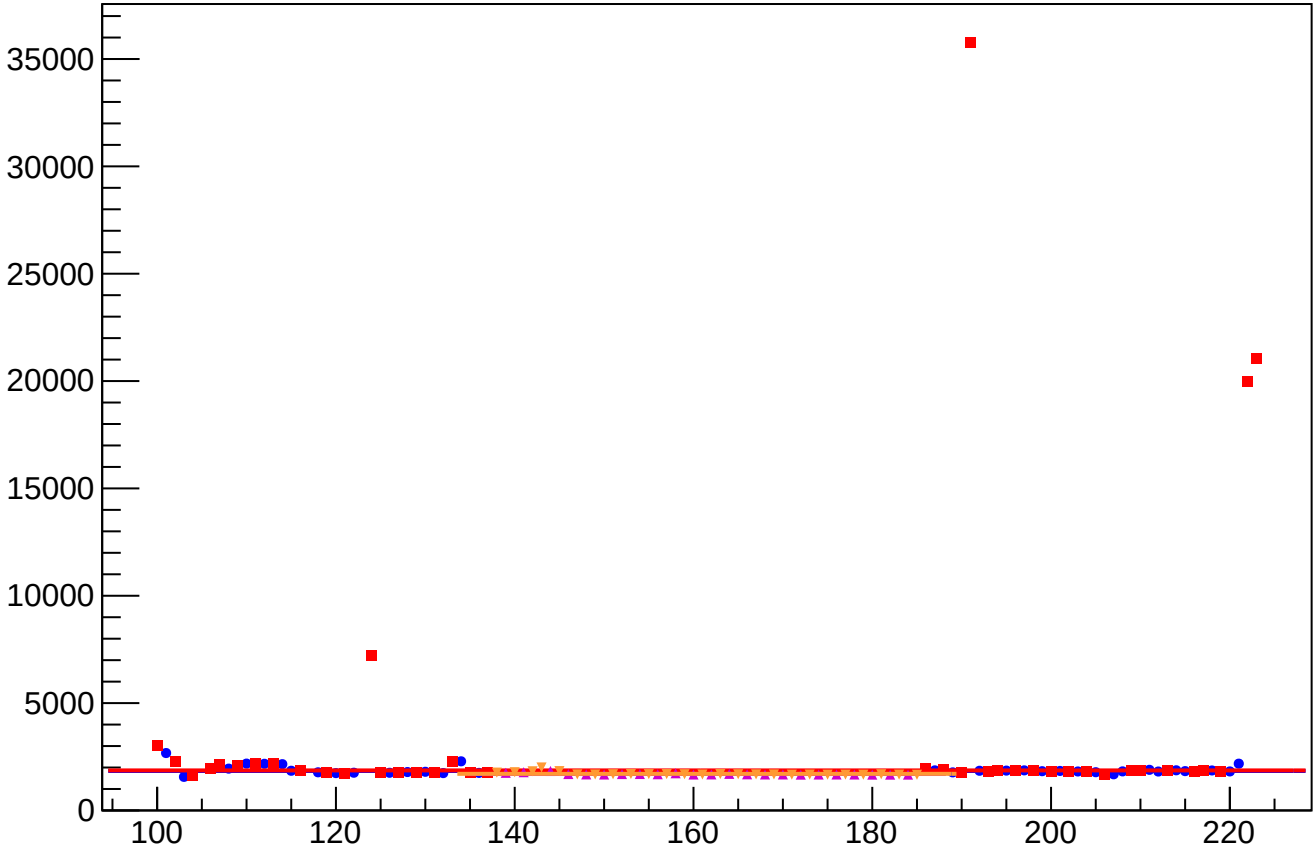
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -397.735+/-277.642 χ^2/NDF: 57.1/58

All: -32.681+/-198.296 χ^2/NDF: 120.9/120

- sign 347.427+/-283.308 χ^2/NDF: 60.2/61

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1838.374+/-0.281 χ^2/NDF: 303804.8/33

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1864.728+/-0.286 χ^2/NDF: 2829348.0/38

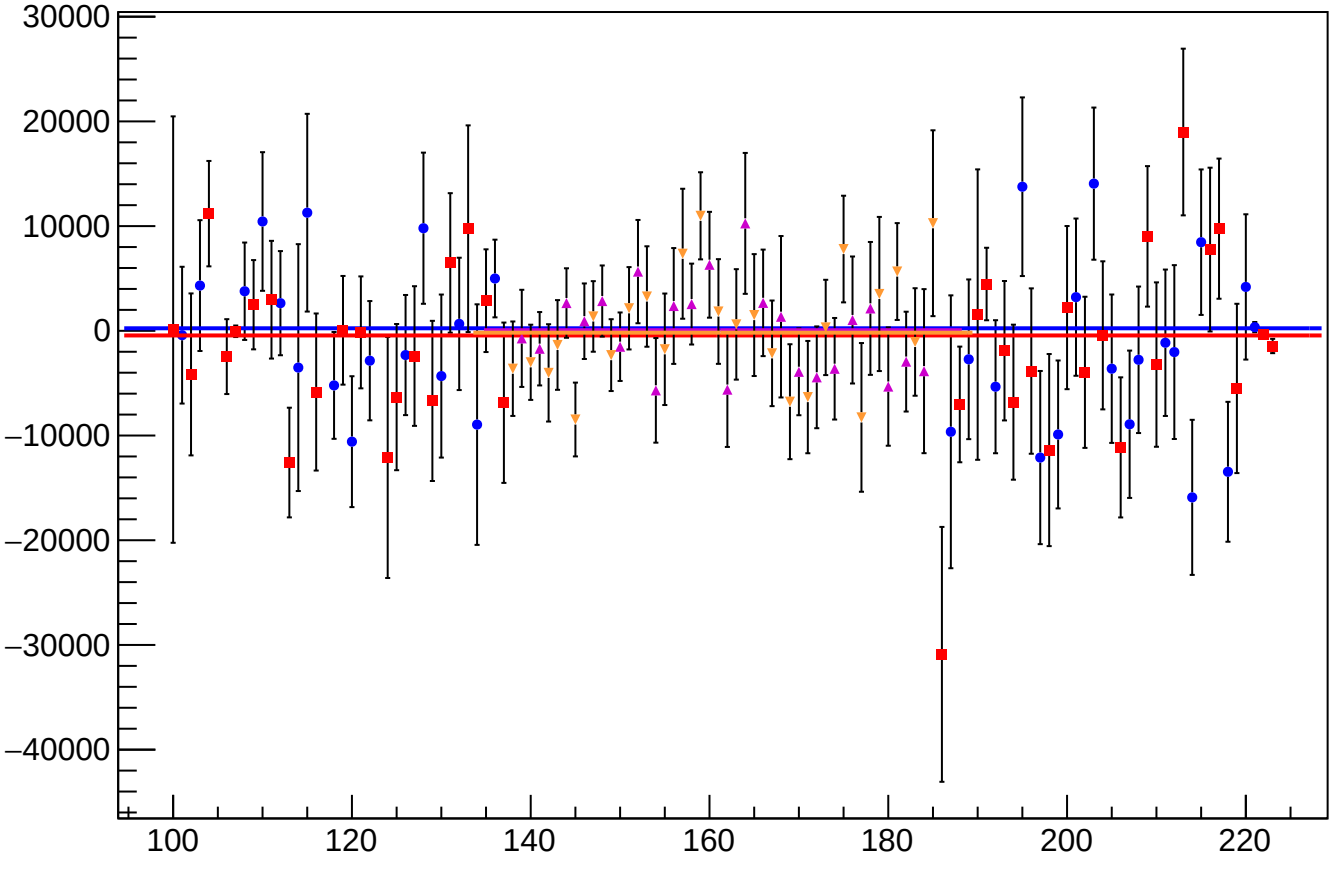
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1770.312+/-0.196 χ^2/NDF: 477946.6/58

All: 1774.763+/-0.140 χ^2/NDF: 3503713.4/12

- sign 1779.394+/-0.200 χ^2/NDF: 3024718.0/61

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 241.862+/-452.067 χ^2/NDF: 39.2/33

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -442.812+/-288.347 χ^2/NDF: 48.2/38

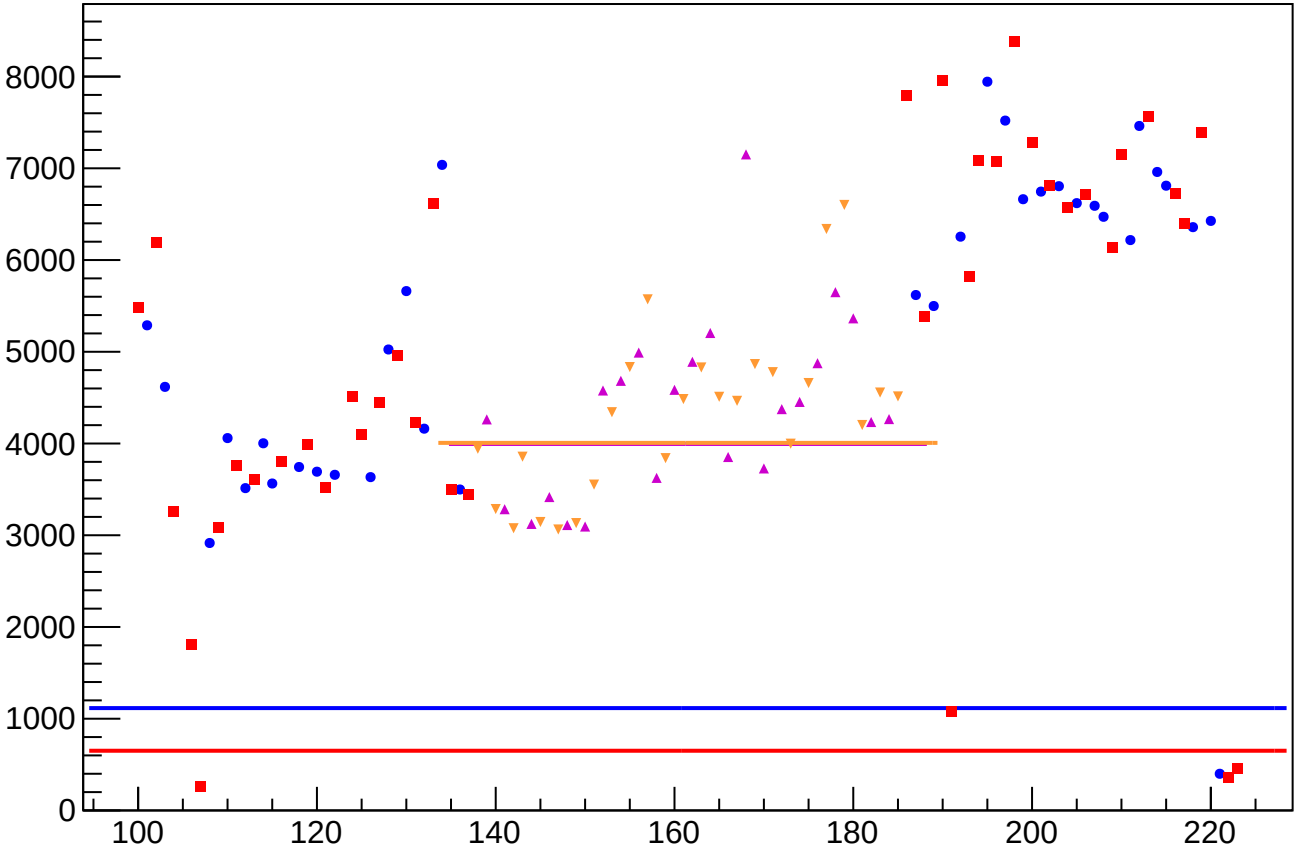
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

\+ sign 162.754+/-407.004 χ^2/NDF: 67.3/58

All: -223.503+/-228.472 χ^2/NDF: 131.3/120

\- sign -401.217+/-276.072 χ^2/NDF: 62.7/61

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 1115.811+/-0.320 χ^2/NDF: 30936860.9/33

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 650.929+/-0.204 χ^2/NDF: 34331535.5/38

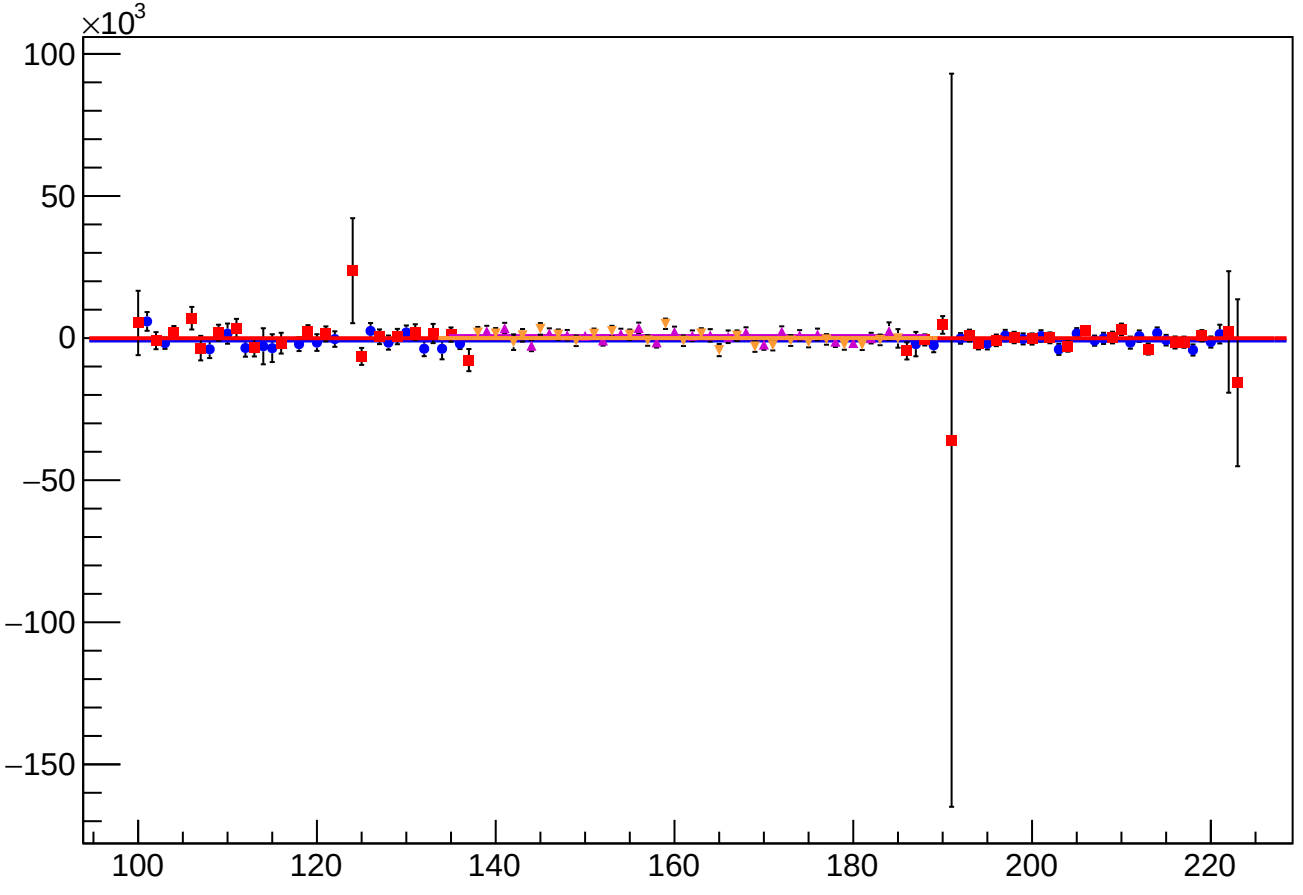
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 1663.482+/-0.288 χ^2/NDF: 47936518.9/58

All: 1160.837+/-0.162 χ^2/NDF: 110674077.9

- sign 929.573+/-0.195 χ^2/NDF: 58283707.0/61

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -840.685+/-397.749 χ^2/NDF: 25.2/33

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -40.755+/-405.005 χ^2/NDF: 39.4/38

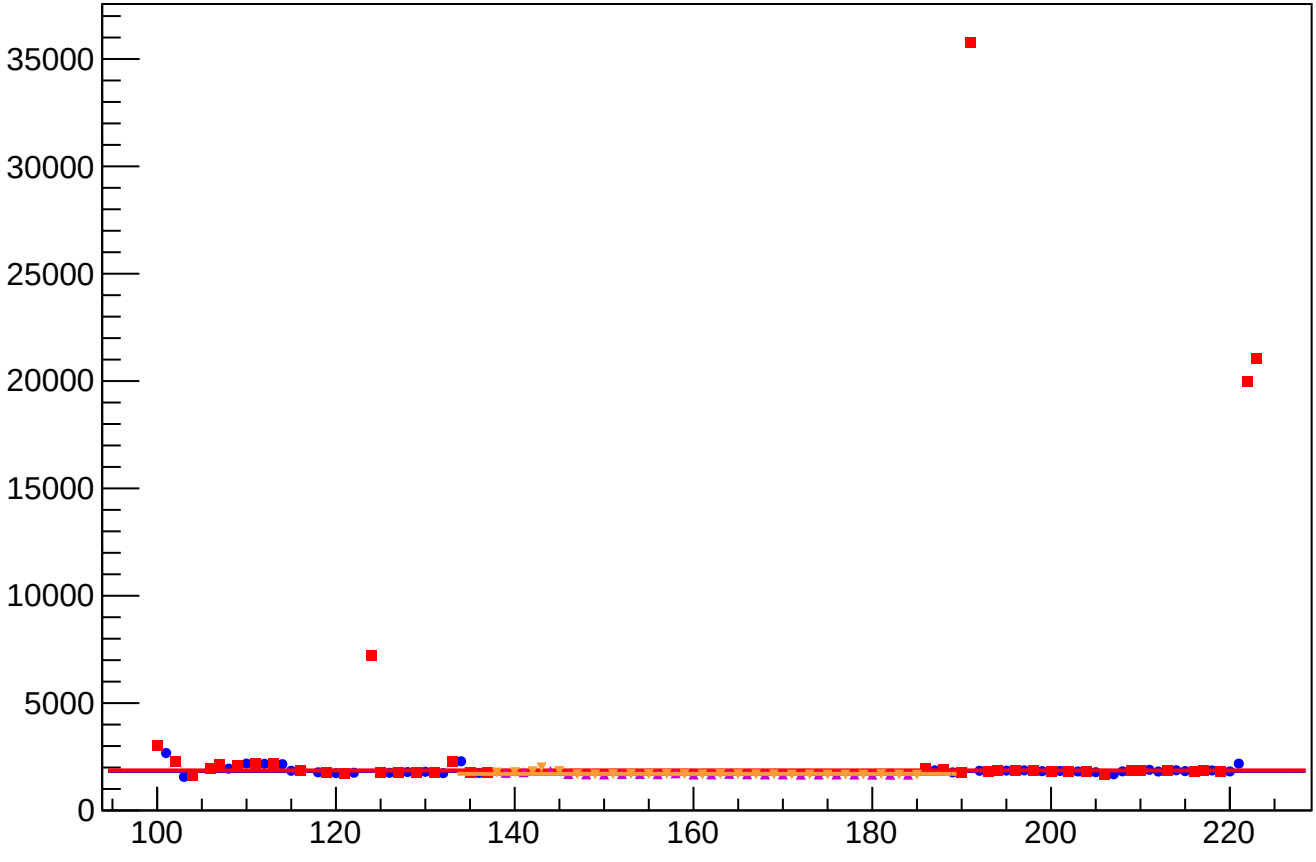
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -397.735+/-277.642 χ^2/NDF: 57.1/58

All: -32.681+/-198.296 χ^2/NDF: 120.9/120

- sign 347.427+/-283.308 χ^2/NDF: 60.2/61

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1838.374+/-0.281 χ^2/NDF: 303804.8/33

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

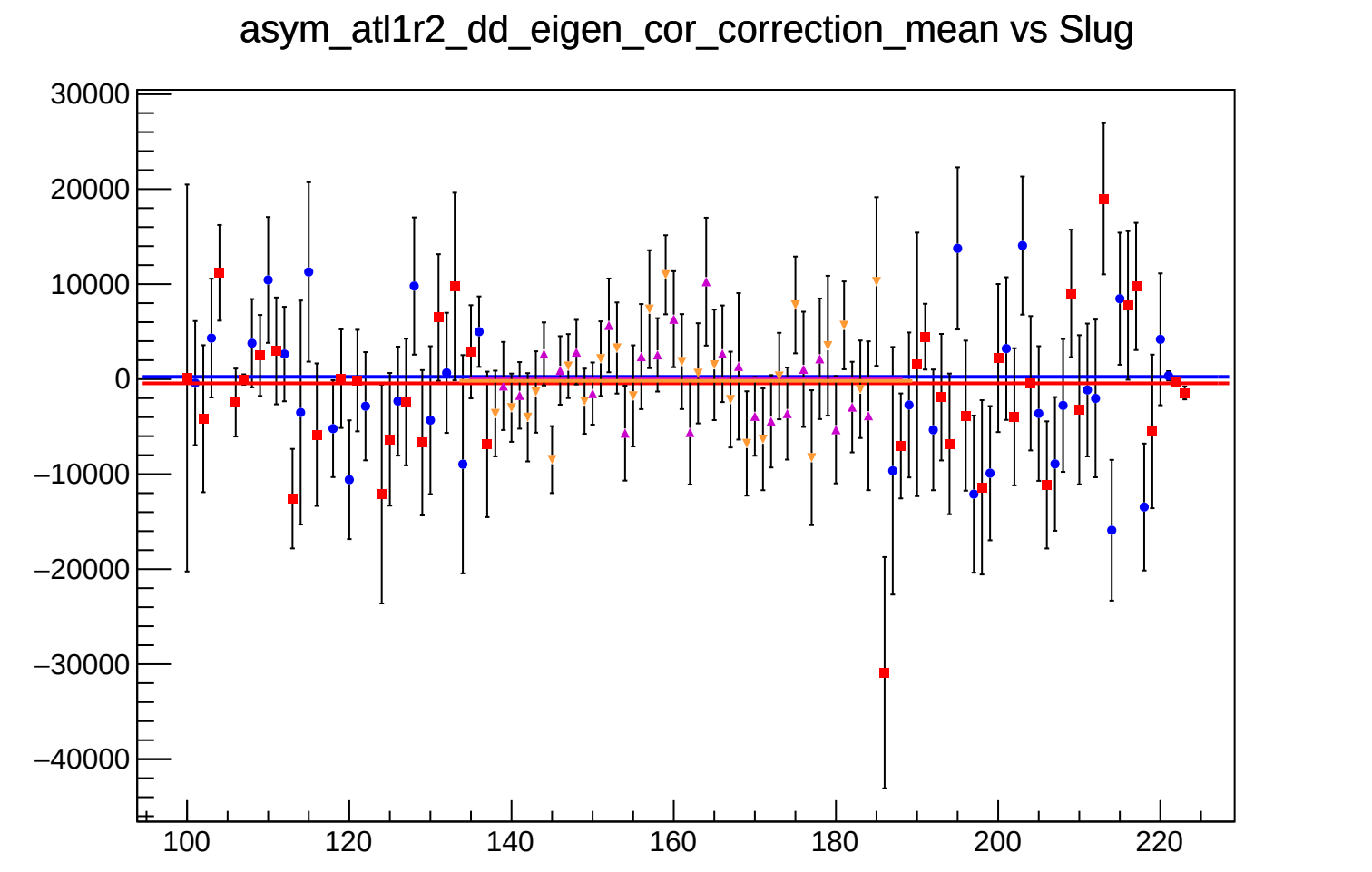
Right Out: 1864.728+/-0.286 χ^2/NDF: 2829348.0/38

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1770.312+/-0.196 χ^2/NDF: 477946.6/58

All: 1774.763+/-0.140 χ^2/NDF: 3503713.4/12

- sign 1779.394+/-0.200 χ^2/NDF: 3024718.0/61



Right In: 241.862+/-452.067 χ^2/NDF: 39.2/33

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -442.812+/-288.347 χ^2/NDF: 48.2/38

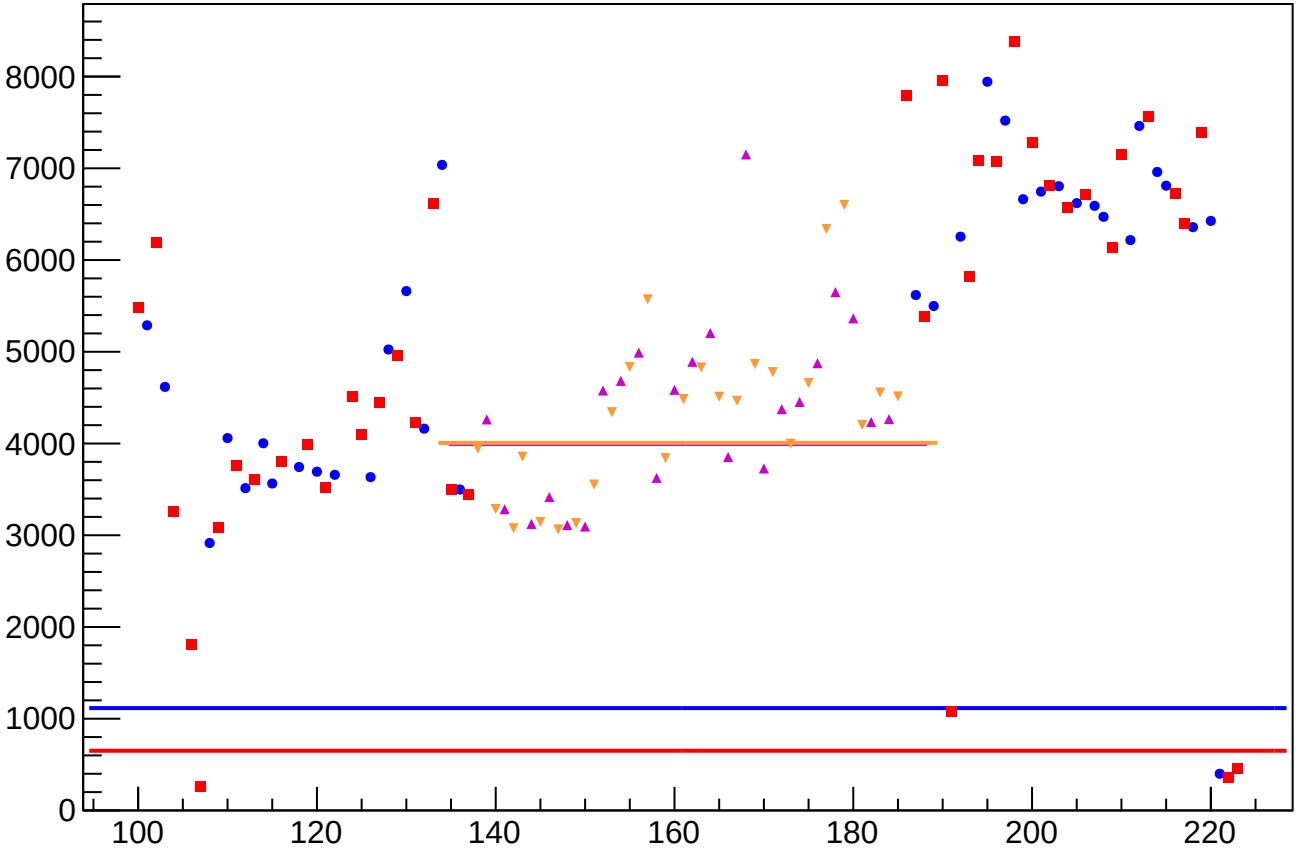
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

\+ sign 162.754+/-407.004 χ^2/NDF: 67.3/58

All: -223.503+/-228.472 χ^2/NDF: 131.3/120

\- sign -401.217+/-276.072 χ^2/NDF: 62.7/61

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 1115.811+/-0.320 χ^2/NDF: 30936860.9/33

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

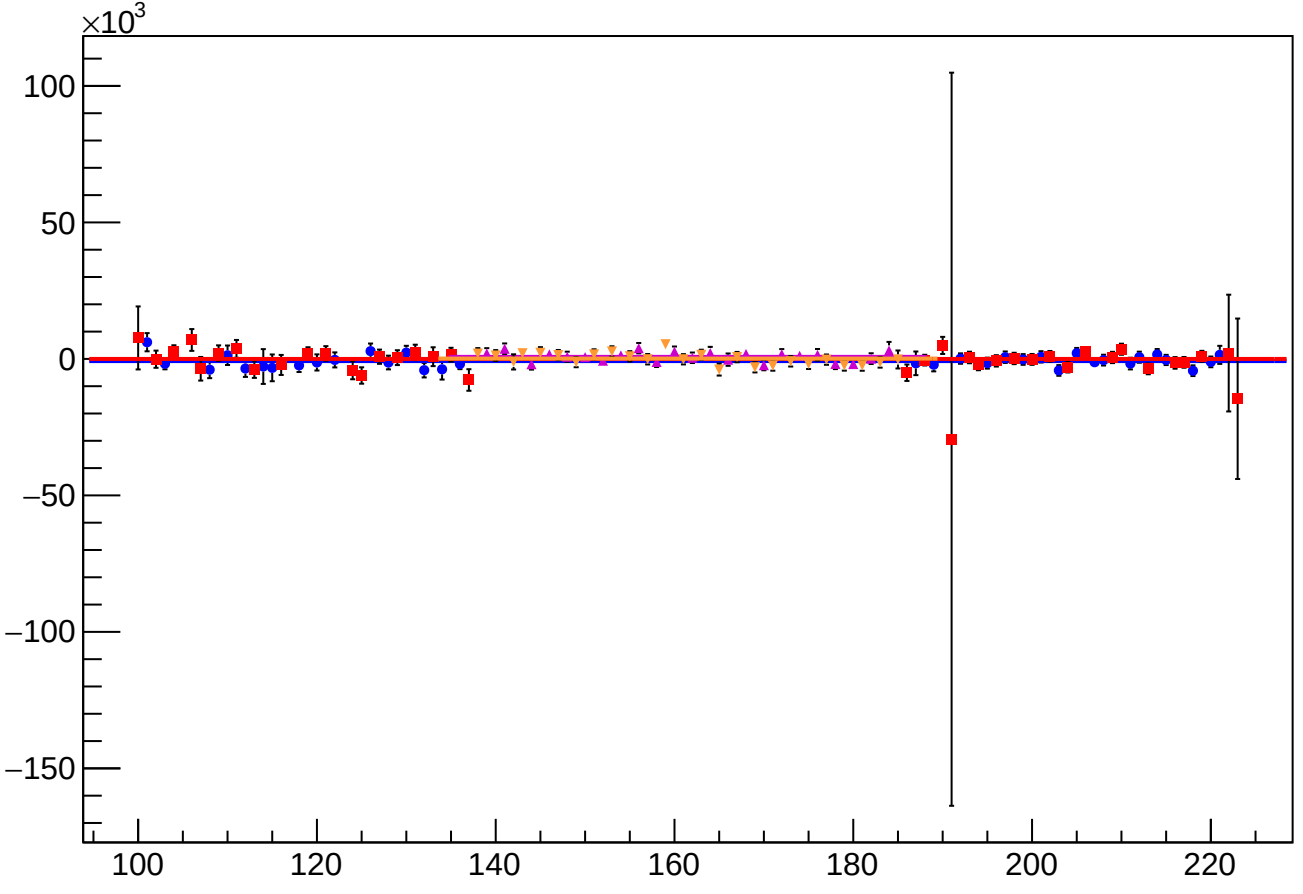
Right Out: 650.929+/-0.204 χ^2/NDF: 34331535.5/38

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 1663.482+/-0.288 χ^2/NDF: 47936518.9/58

All: 1160.837+/-0.162 χ^2/NDF: 110674077.9

- sign 929.573+/-0.195 χ^2/NDF: 58283707.0/61



Right In: -801.441+/-401.368 χ^2/NDF: 26.5/33

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -13.637+/-406.604 χ^2/NDF: 40.7/38

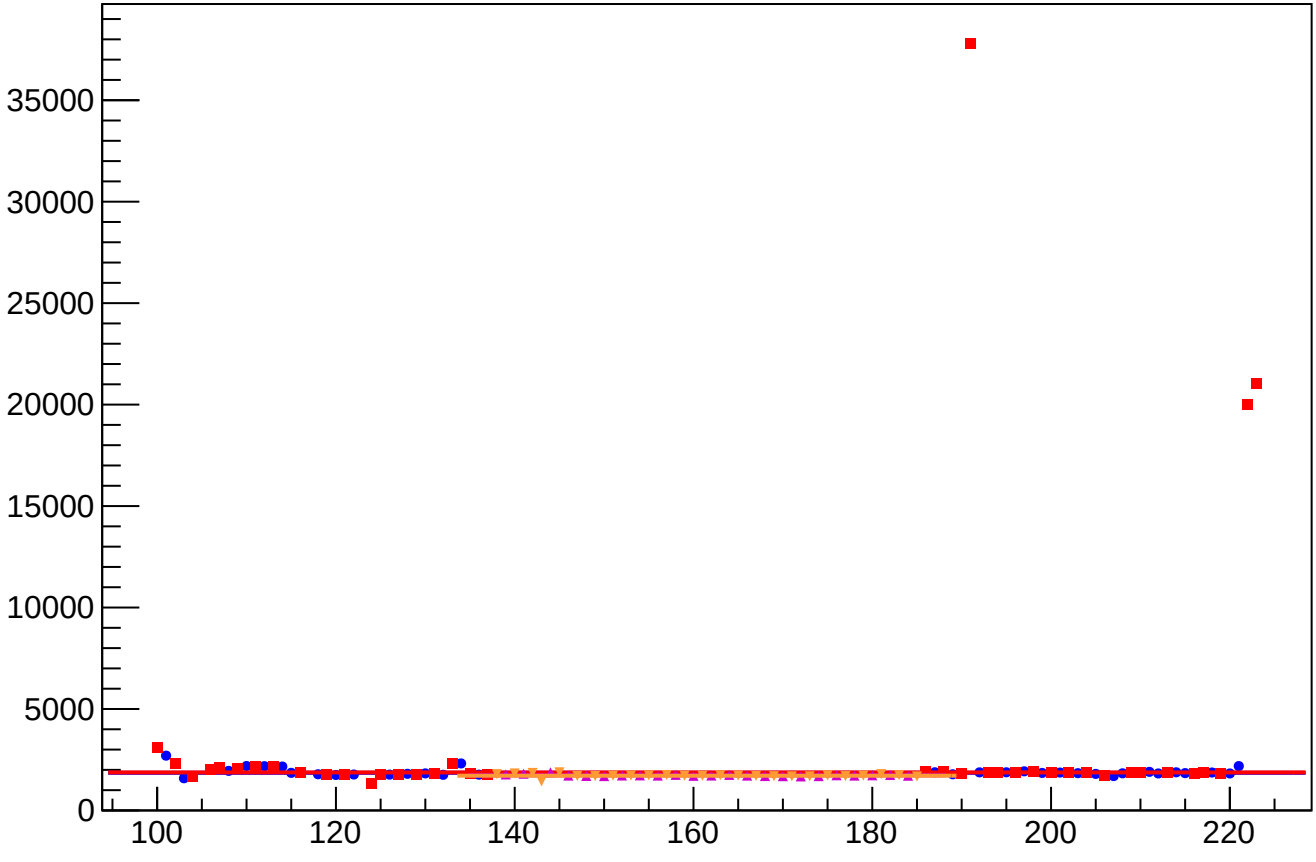
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -326.868+/-279.504 χ^2/NDF: 58.9/58

All: 10.854+/-200.116 χ^2/NDF: 123.3/120

- sign 366.052+/-286.645 χ^2/NDF: 61.4/61

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1854.979+/-0.284 χ^2/NDF: 302073.8/33

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1873.469+/-0.287 χ^2/NDF: 2721782.6/38

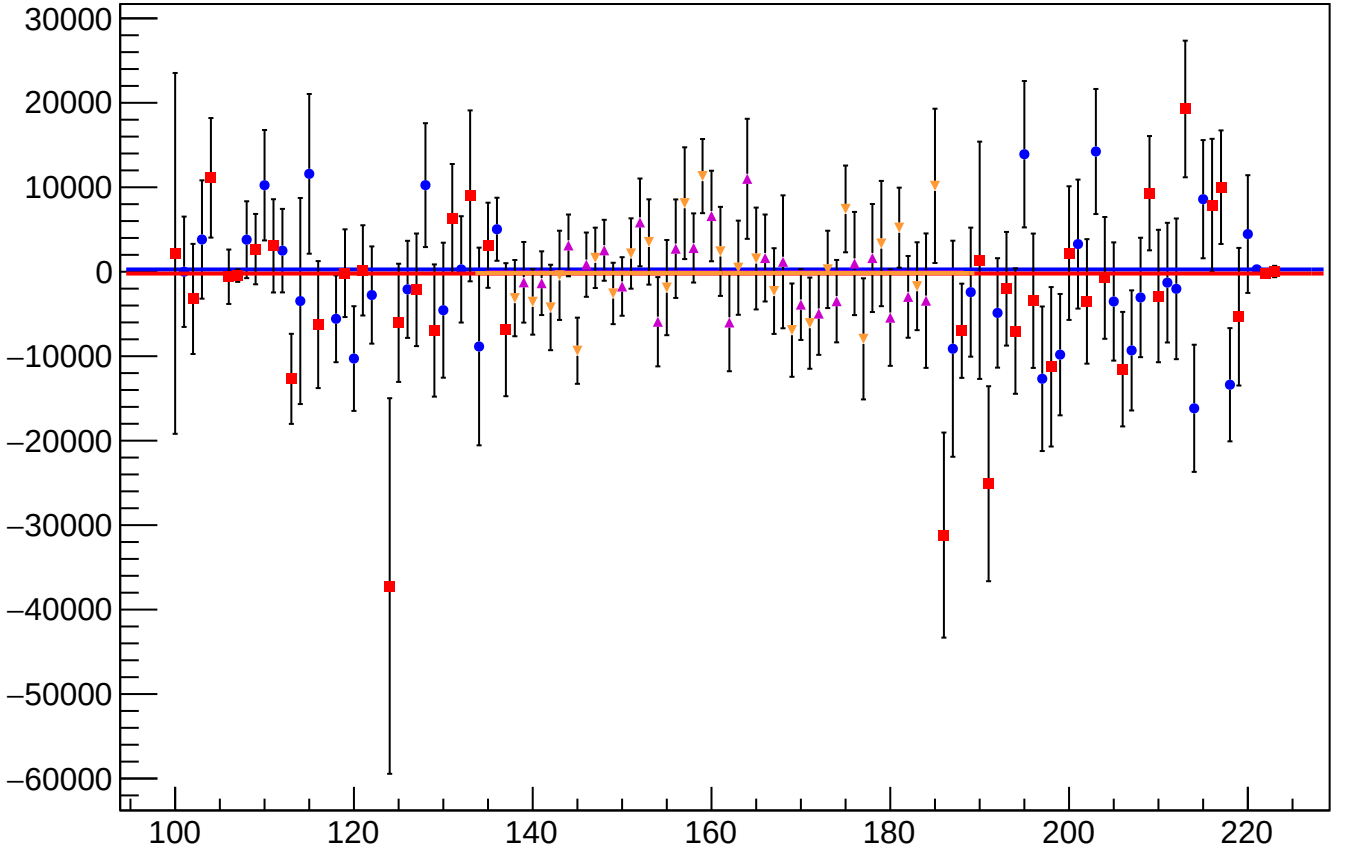
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1781.496+/-0.198 χ^2/NDF: 526628.7/58

All: 1791.245+/-0.141 χ^2/NDF: 3401168.7/12

- sign 1801.494+/-0.203 χ^2/NDF: 2869549.3/61

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 268.399+/-183.834 χ^2/NDF: 38.9/33

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -214.800+/-163.065 χ^2/NDF: 47.1/38

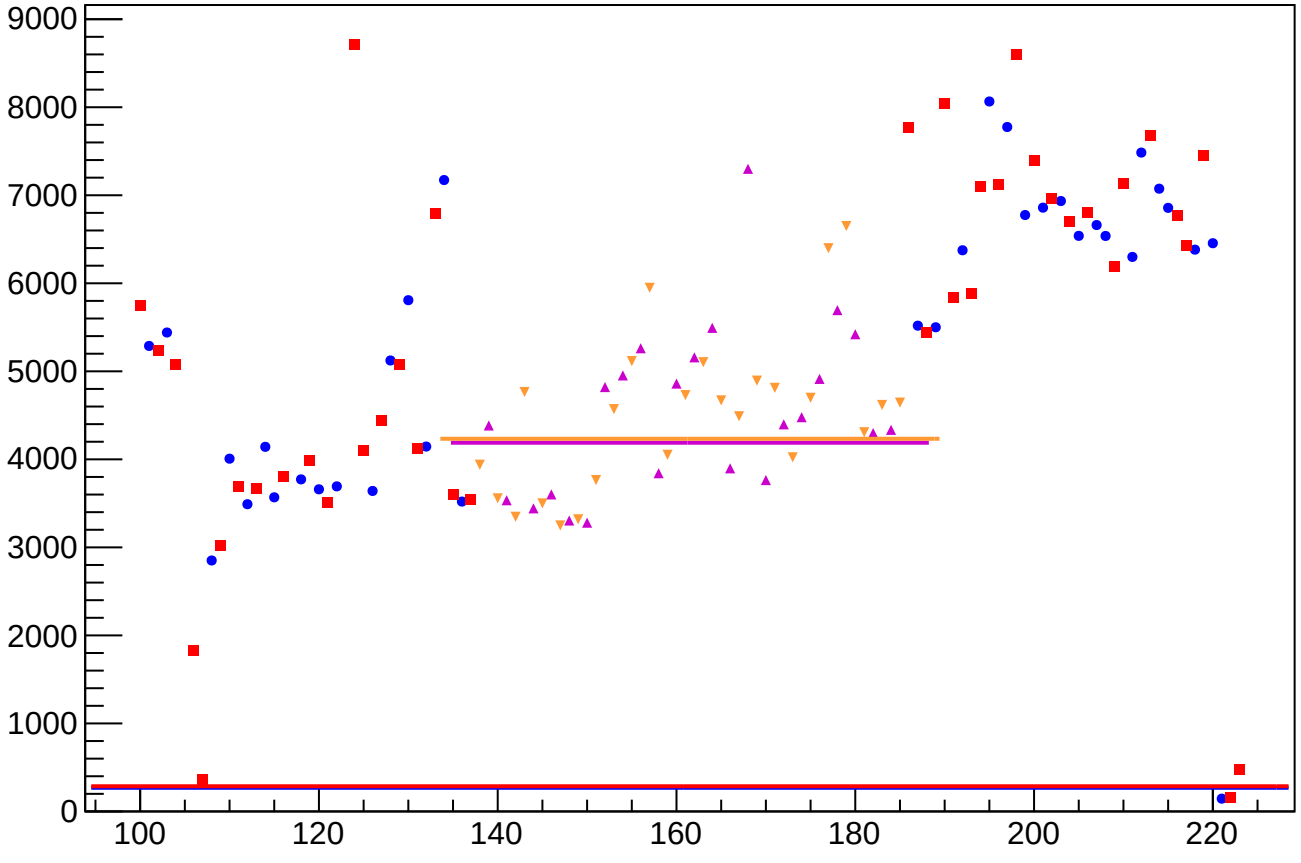
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 254.309+/-180.714 χ^2/NDF: 65.9/58

All: -5.145+/-120.187 χ^2/NDF: 130.7/120

- sign -210.925+/-160.940 χ^2/NDF: 61.1/61

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 269.236+/-0.130 χ^2/NDF: 38831078.0/33

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

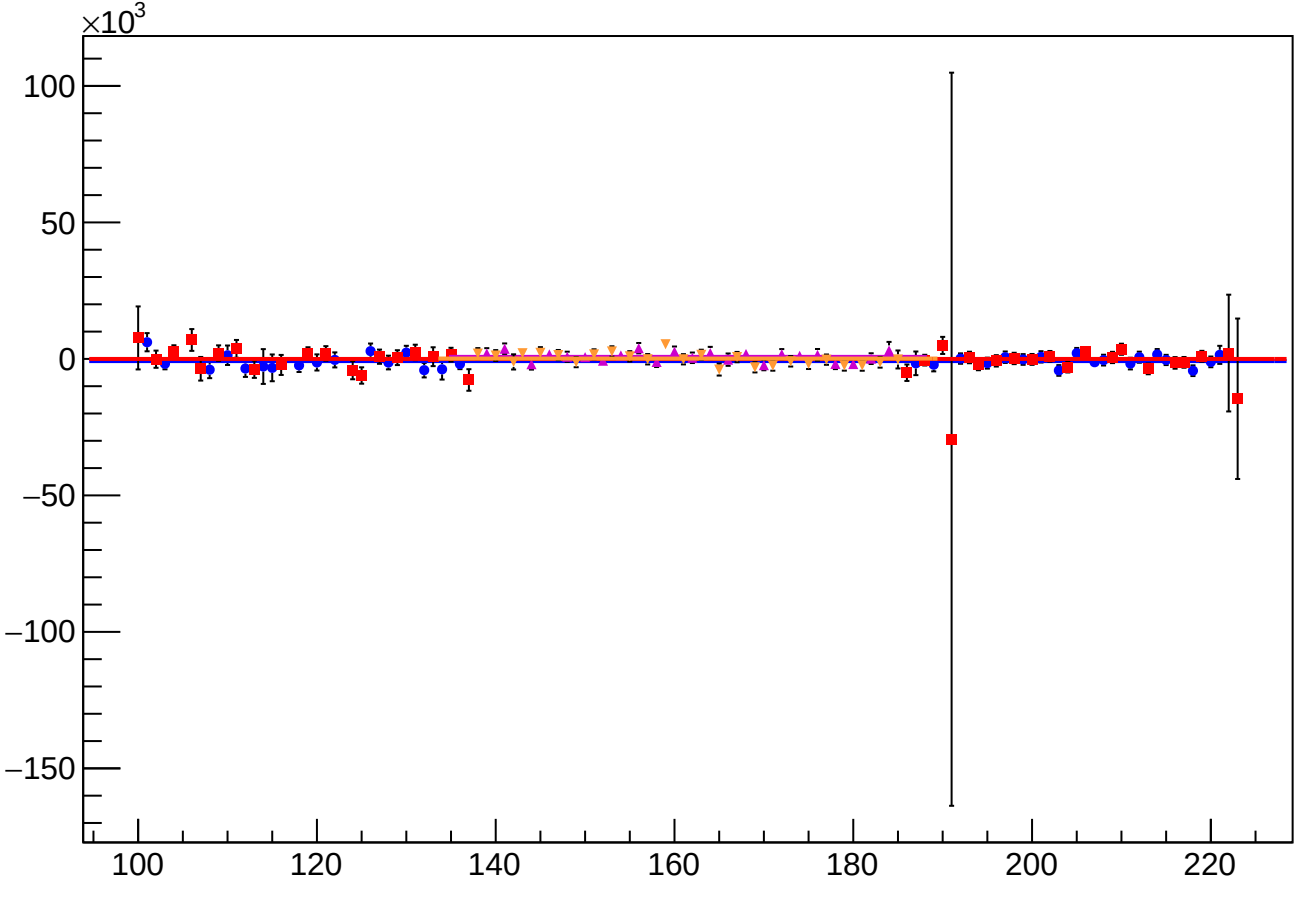
Right Out: 286.108+/-0.115 χ^2/NDF: 39299708.5/38

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 402.690+/-0.128 χ^2/NDF: 71428163.5/58

All: 394.037+/-0.085 χ^2/NDF: 141748676.2/1

- sign 387.174+/-0.114 χ^2/NDF: 70312290.3/61



Right In: -801.437+/-401.368 χ^2/NDF: 26.5/33

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -13.636+/-406.605 χ^2/NDF: 40.7/38

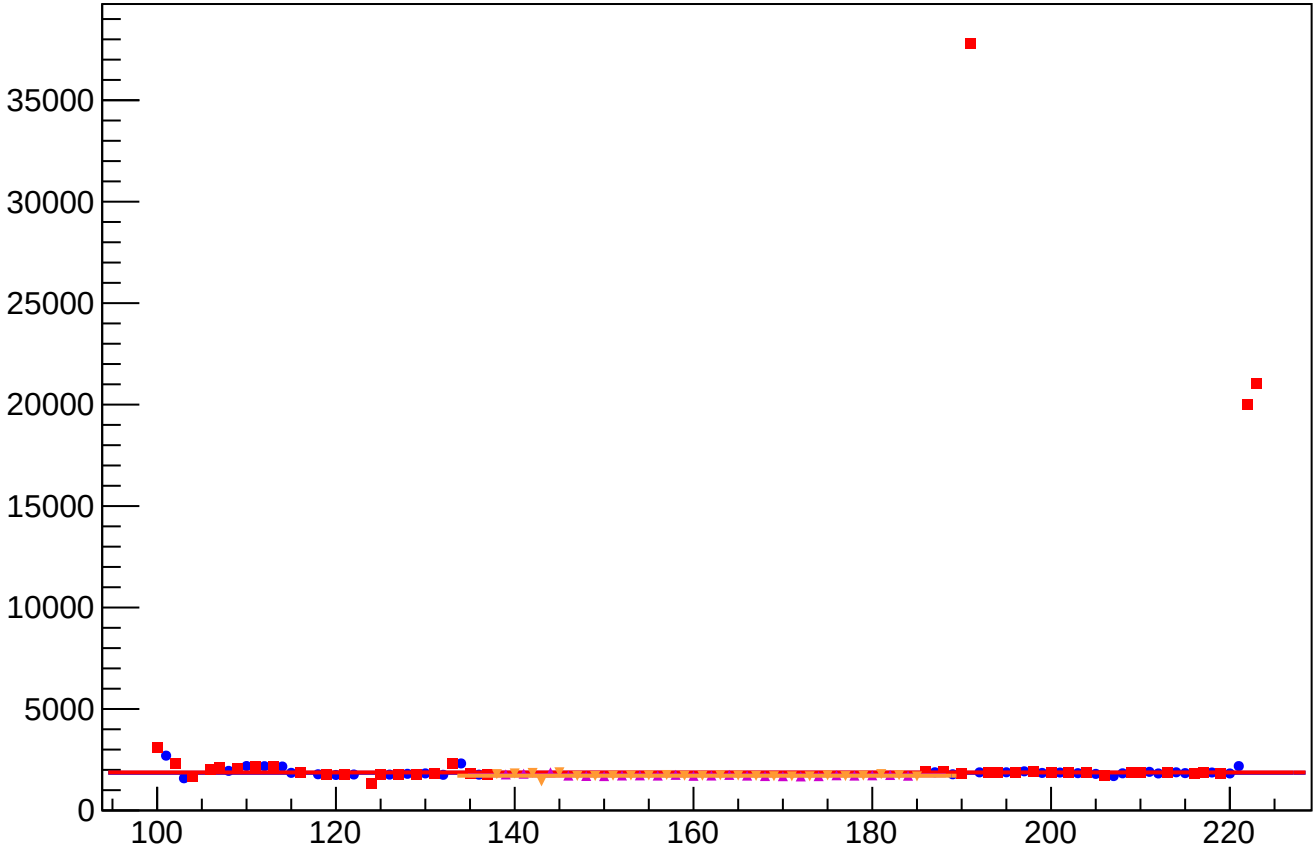
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -326.865+/-279.504 χ^2/NDF: 58.9/58

All: 10.855+/-200.116 χ^2/NDF: 123.3/120

- sign 366.052+/-286.645 χ^2/NDF: 61.4/61

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1854.980+/-0.284 χ^2/NDF: 302073.7/33

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

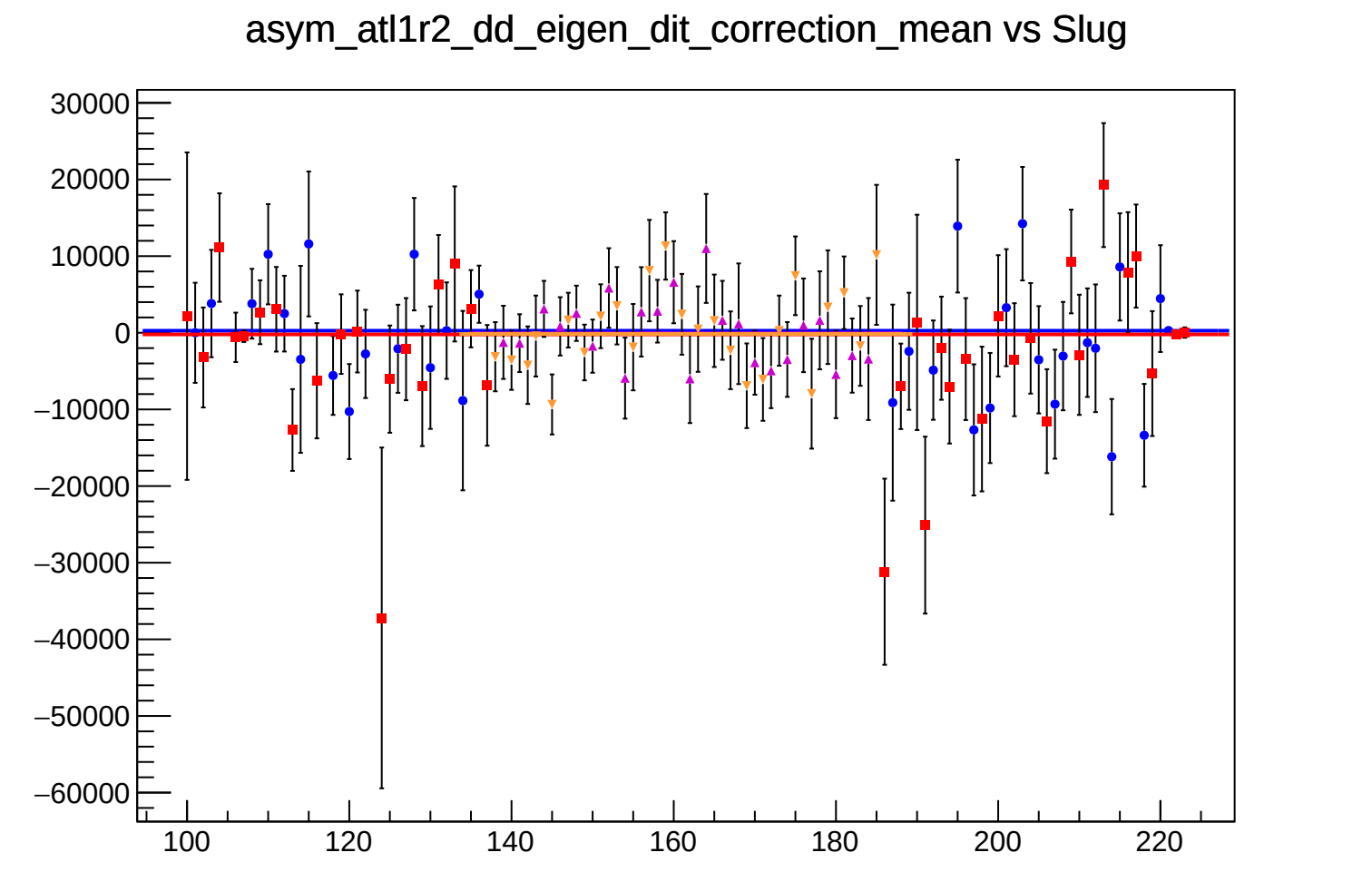
Right Out: 1873.470+/-0.287 χ^2/NDF: 2721782.8/38

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1781.497+/-0.198 χ^2/NDF: 526626.6/58

All: 1791.245+/-0.141 χ^2/NDF: 3401166.0/12

- sign 1801.495+/-0.203 χ^2/NDF: 2869548.8/61



Right In: 268.404+/-183.837 χ^2/NDF: 38.9/33

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -214.805+/-163.066 χ^2/NDF: 47.1/38

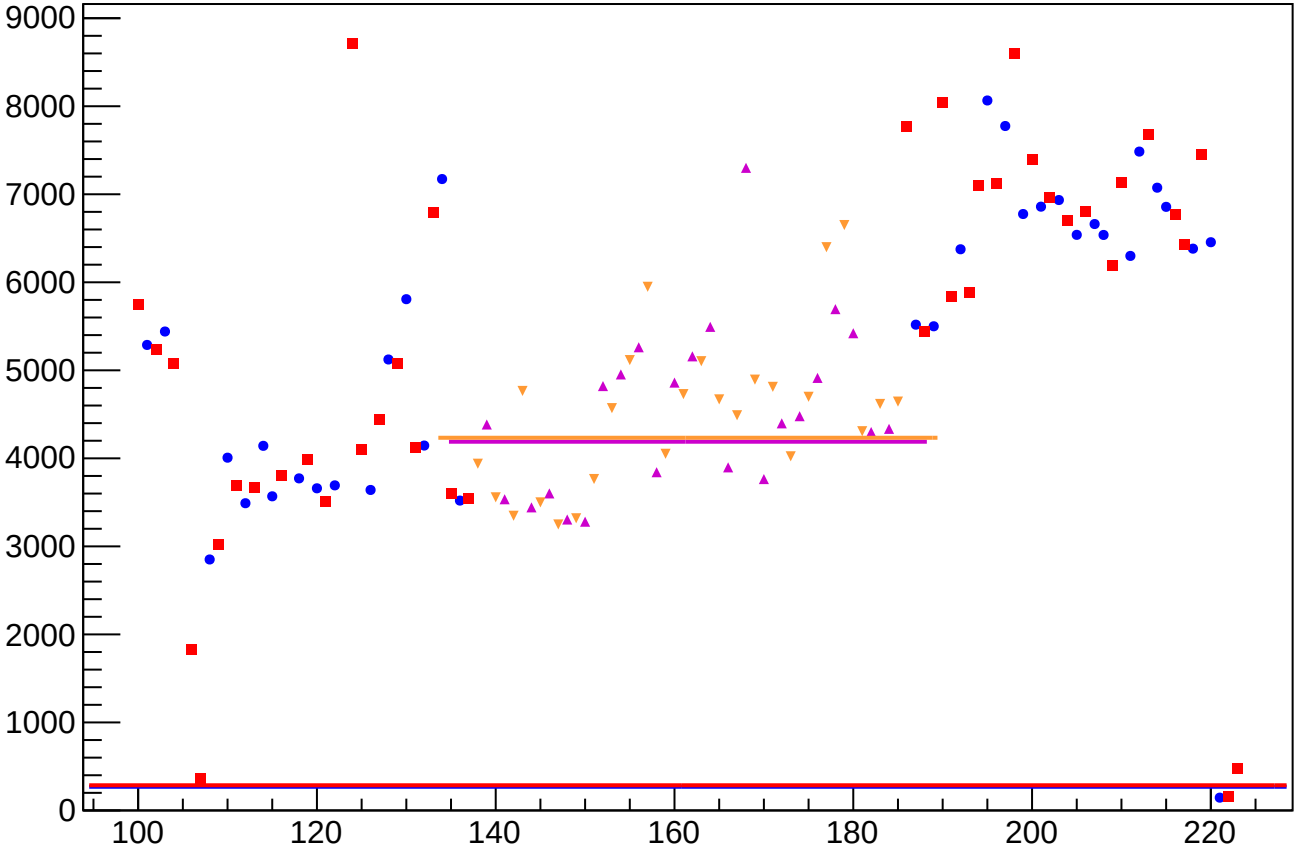
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 254.314+/-180.716 χ^2/NDF: 65.9/58

All: -5.147+/-120.188 χ^2/NDF: 130.7/120

- sign -210.930+/-160.941 χ^2/NDF: 61.1/61

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 269.243+/-0.130 χ^2/NDF: 38831010.6/33

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 286.111+/-0.115 χ^2/NDF: 39299662.3/38

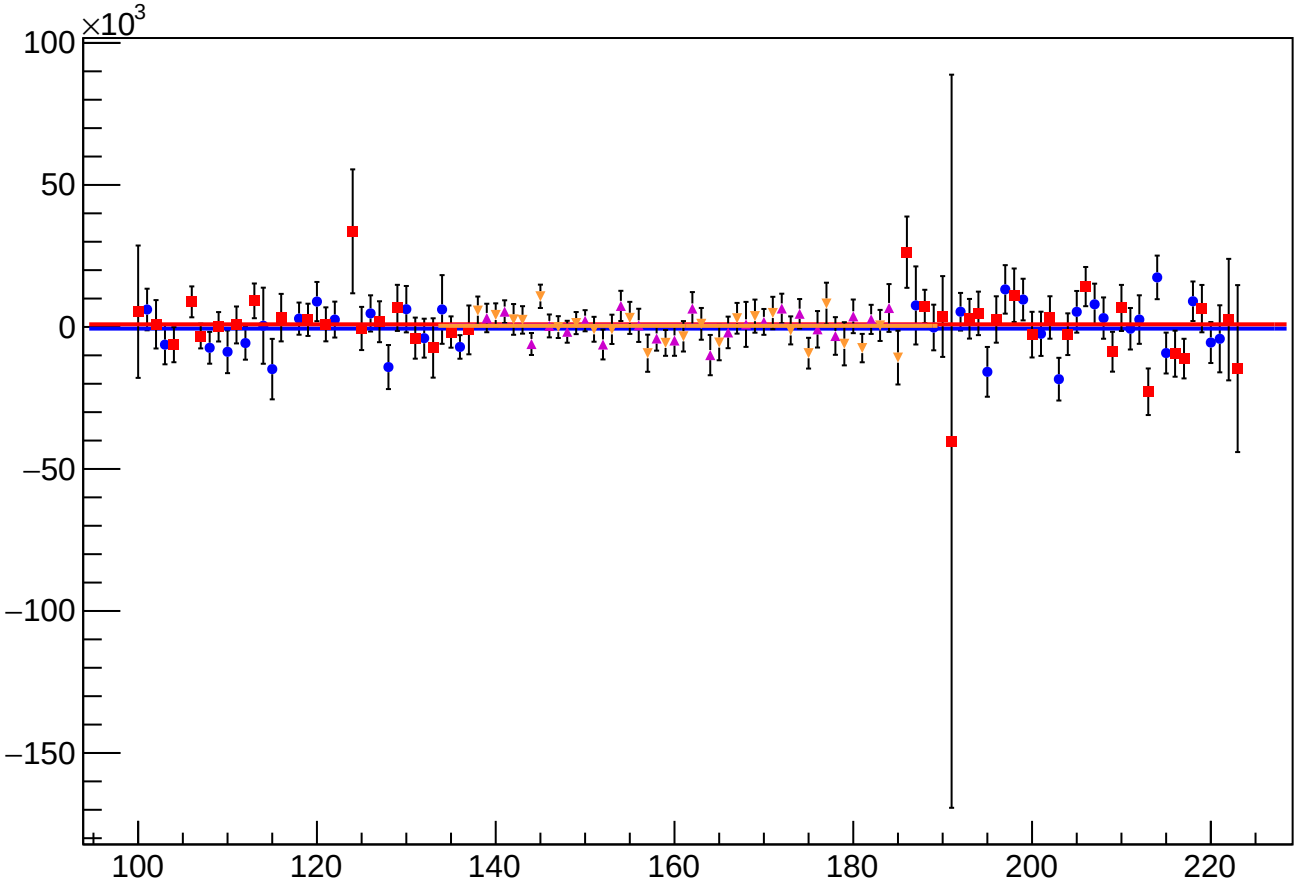
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 402.700+/-0.128 χ^2/NDF: 71427966.9/58

All: 394.044+/-0.085 χ^2/NDF: 141748376.2/1

- sign 387.179+/-0.114 χ^2/NDF: 70312181.9/61

asym_atl1r2_dd_mean vs Slug



Right In: -581.914+/-1242.689 χ^2/NDF: 42.9/33

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 925.754+/-1196.227 χ^2/NDF: 37.9/38

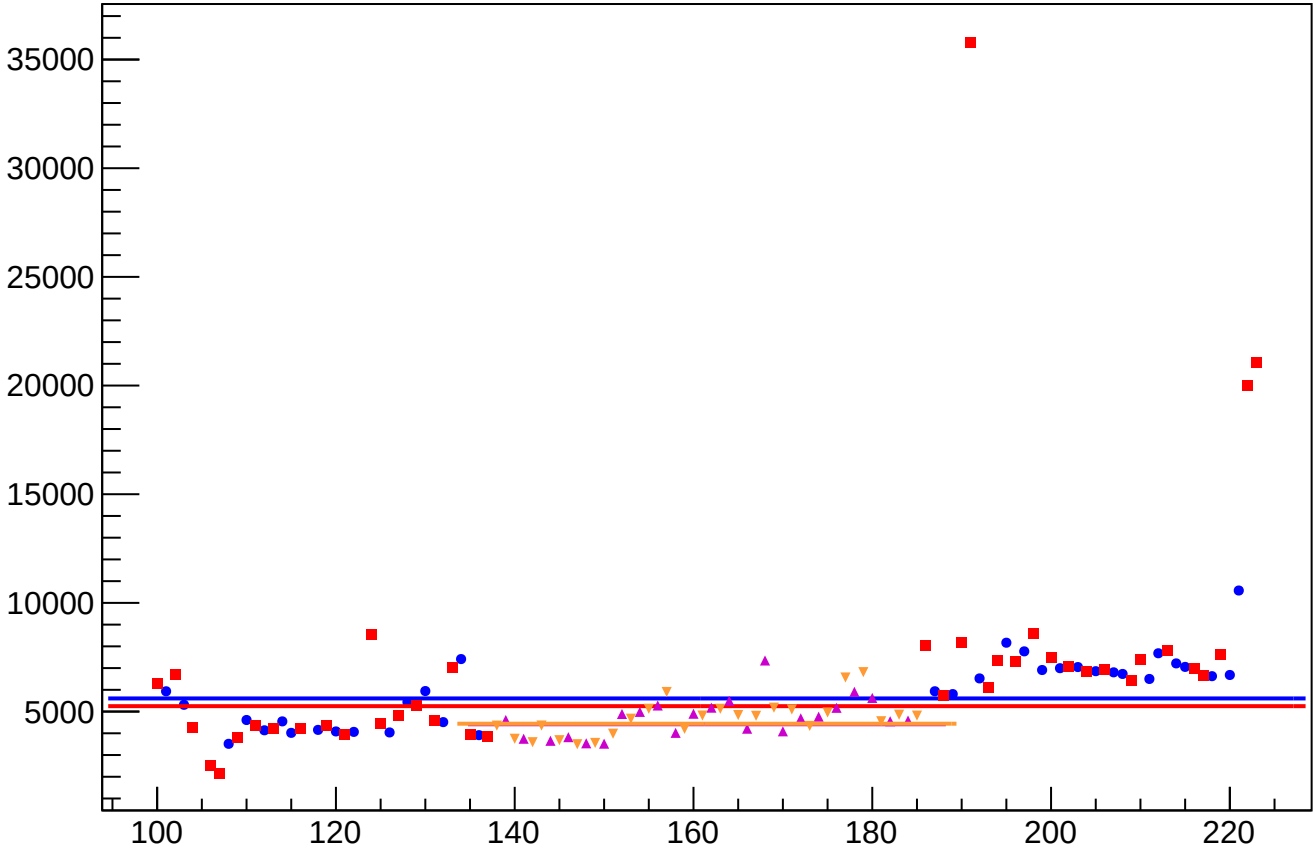
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -0.128+/-792.298 χ^2/NDF: 68.0/58

All: 344.827+/-559.066 χ^2/NDF: 123.7/120

- sign 686.909+/-788.990 χ^2/NDF: 55.3/61

asym_atl1r2_dd_rms vs Slug



Right In: 5603.597+/-0.879 χ^2/NDF: 2863640.5/33

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5248.133+/-0.841 χ^2/NDF: 6116628.7/38

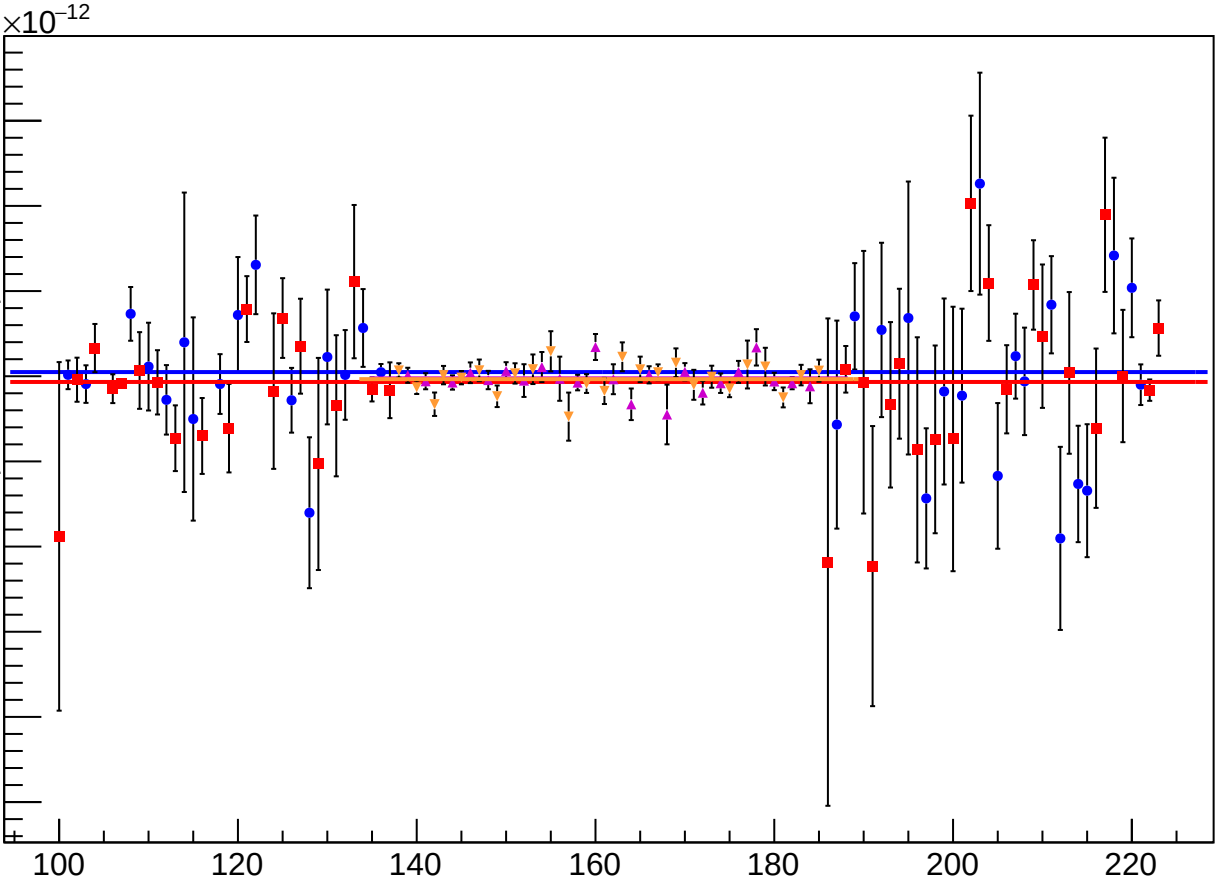
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4913.474+/-0.560 χ^2/NDF: 4976038.0/58

All: 4846.331+/-0.395 χ^2/NDF: 12783935.1/1

- sign 4780.095+/-0.556 χ^2/NDF: 7779364.6/61

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 45.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.5/38

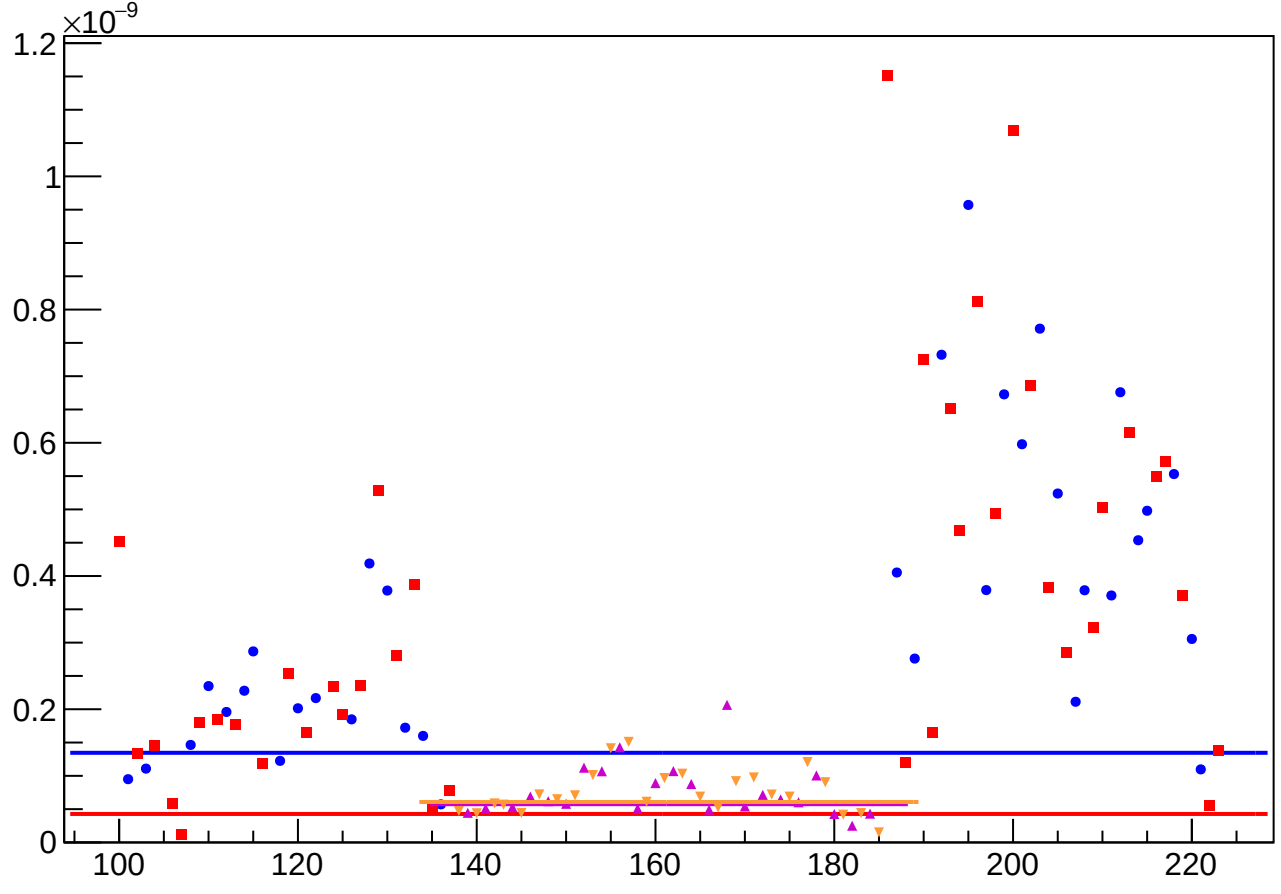
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.3/58

All: -0.000+/-0.000 χ^2/NDF: 141.6/120

- sign -0.000+/-0.000 χ^2/NDF: 65.9/61

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8148431.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

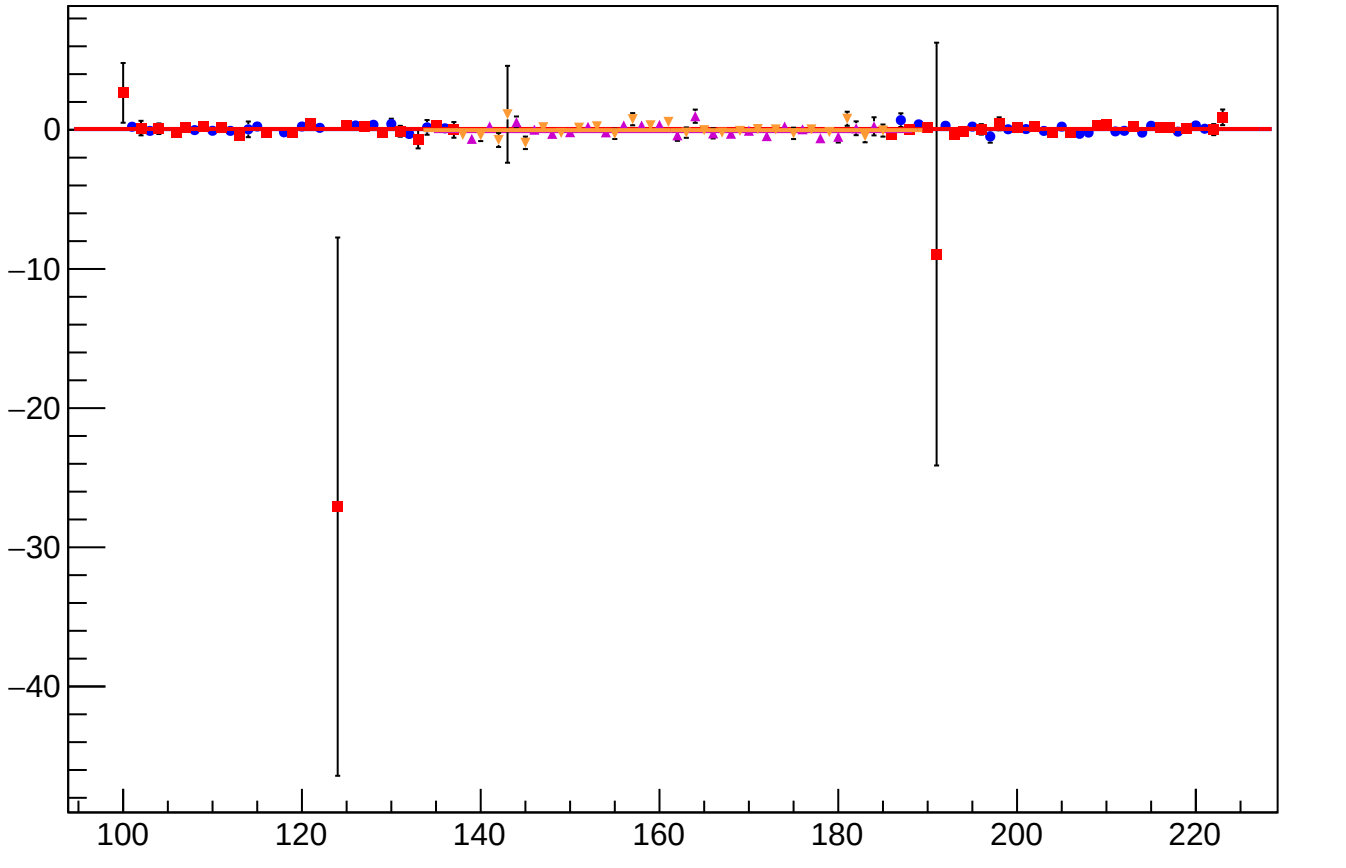
Right Out: 0.000+/-0.000 χ^2/NDF: 14115471.3/38

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12331770.6/58

All: 0.000+/-0.000 χ^2/NDF: 29399771.9/120

- sign 0.000+/-0.000 χ^2/NDF: 16264036.3/61



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.062+/-0.039 χ^2/NDF: 39.8/38

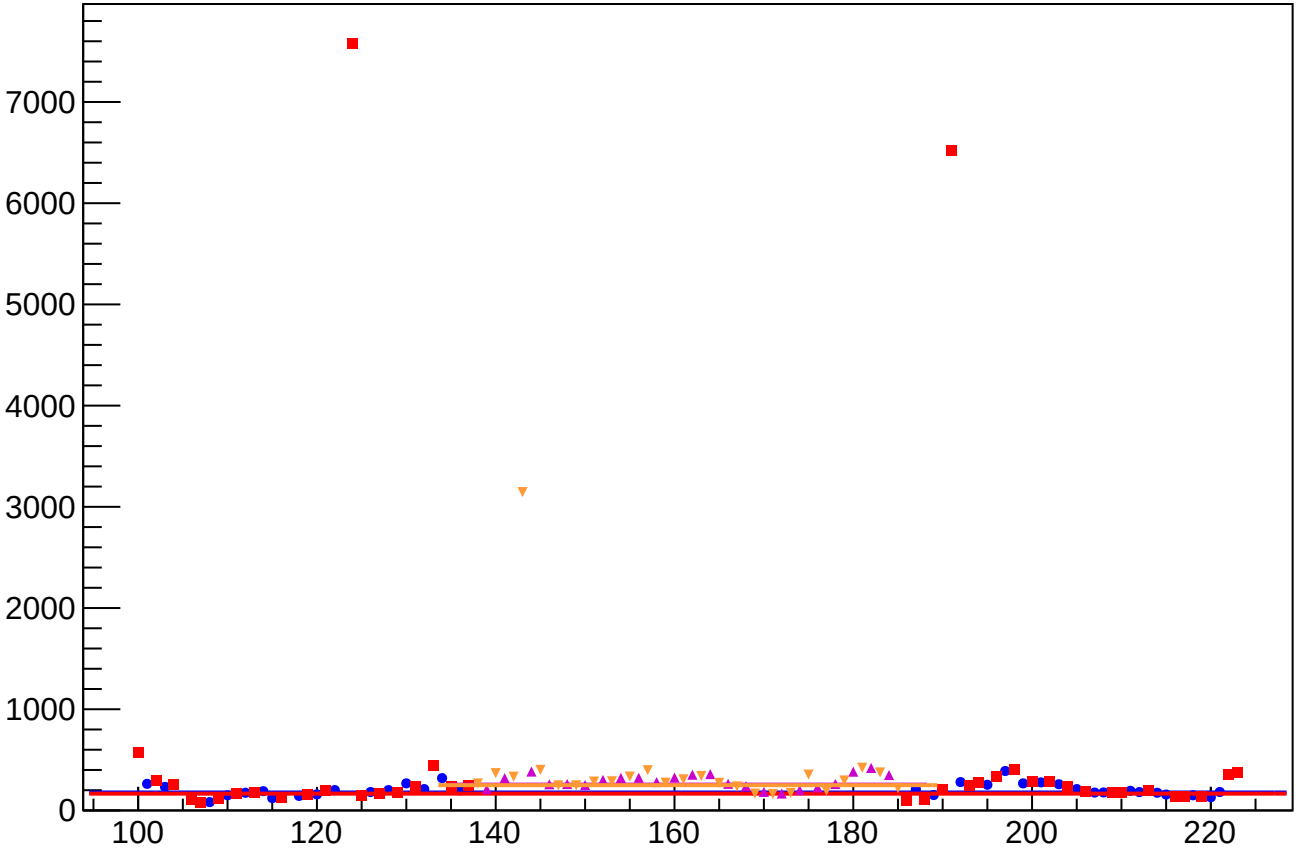
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.027+/-0.034 χ^2/NDF: 54.0/58

All: 0.022+/-0.024 χ^2/NDF: 129.9/120

\- sign 0.018+/-0.033 χ^2/NDF: 75.8/61

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 177.590+/-0.029 χ^2/NDF: 3356667.8/33

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

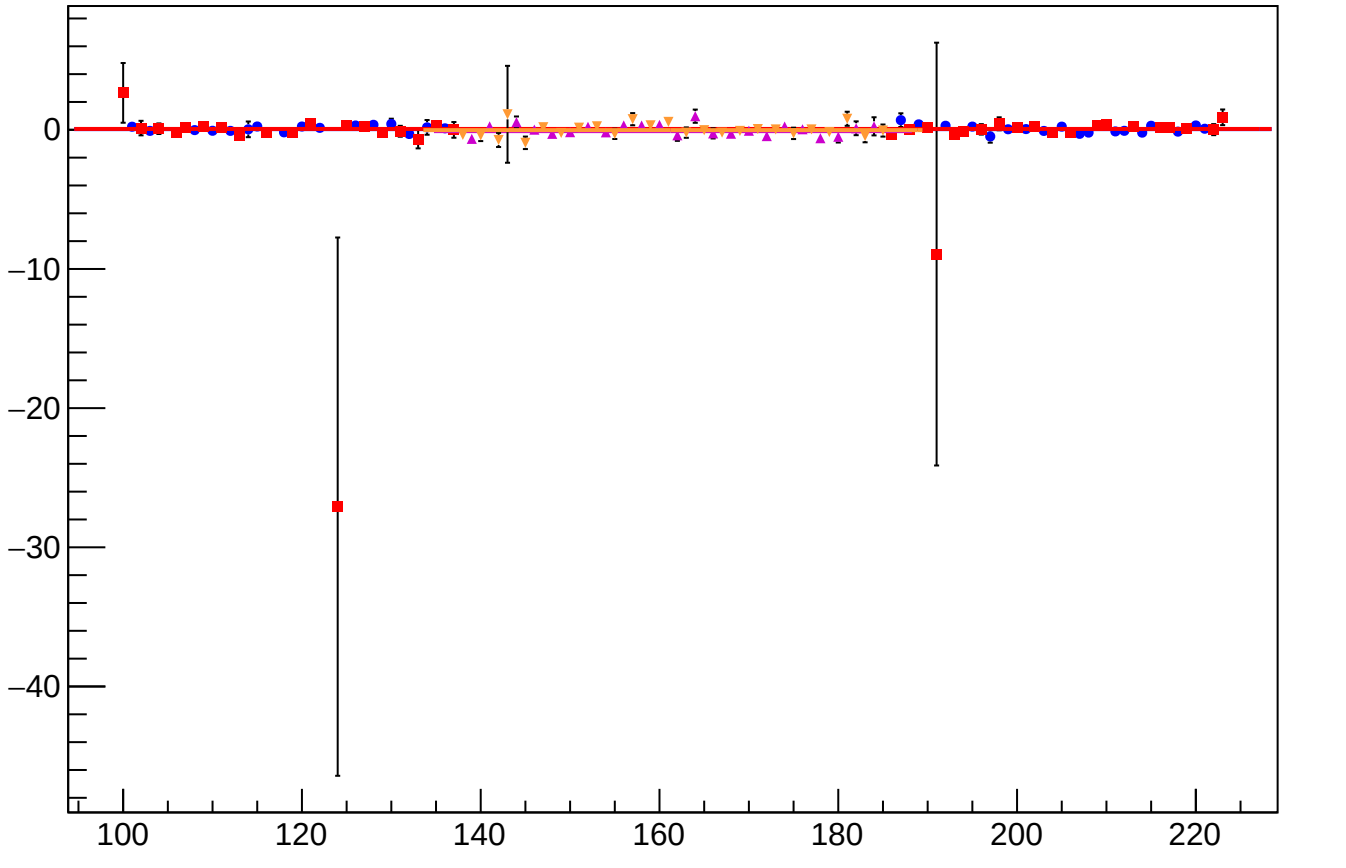
Right Out: 166.053+/-0.027 χ^2/NDF: 6241028.3/38

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 199.404+/-0.024 χ^2/NDF: 9511186.2/58

All: 194.930+/-0.017 χ^2/NDF: 20838886.2/12

- sign 190.659+/-0.023 χ^2/NDF: 11259449.5/61



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.062+/-0.039 χ^2/NDF: 39.8/38

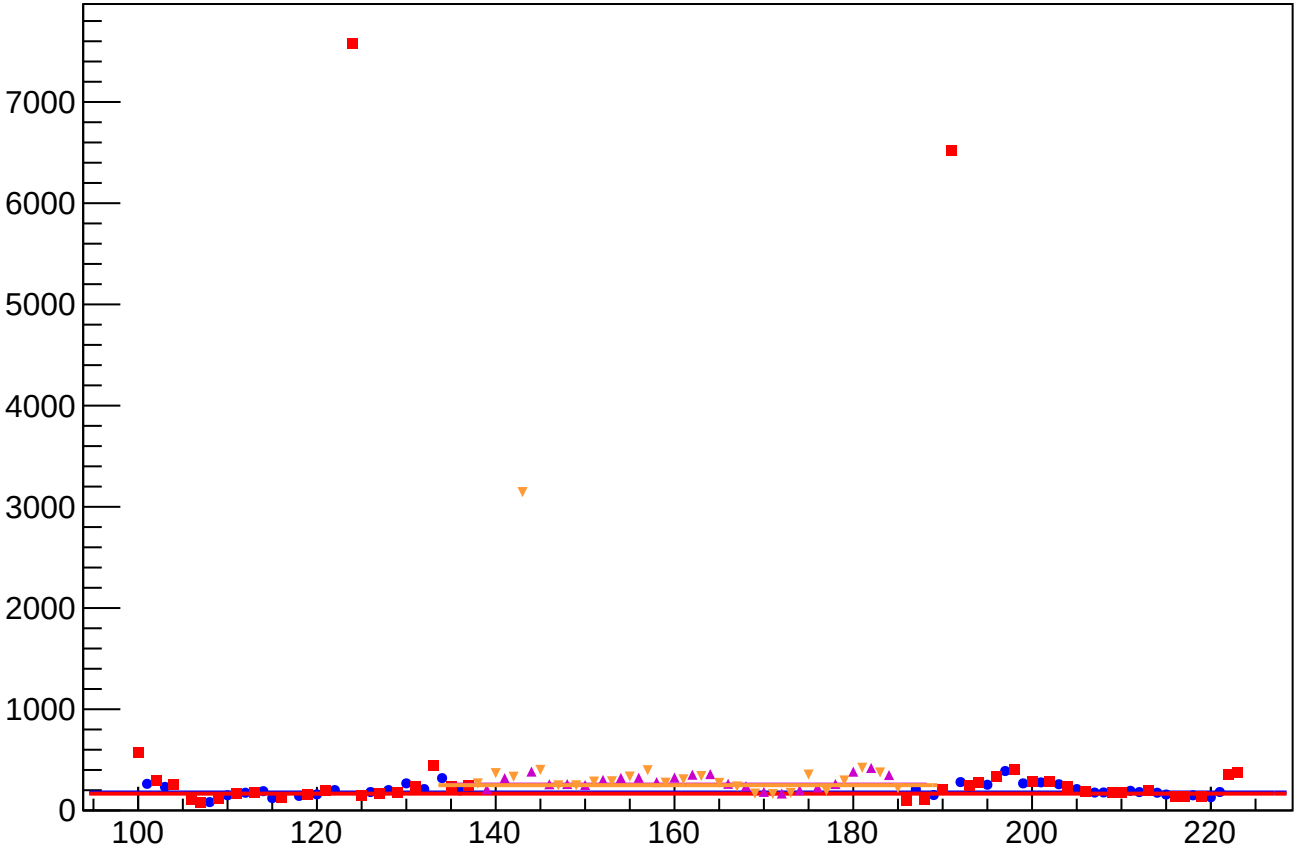
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.027+/-0.034 χ^2/NDF: 54.0/58

All: 0.022+/-0.024 χ^2/NDF: 129.9/120

- sign 0.018+/-0.033 χ^2/NDF: 75.8/61

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 177.590+/-0.029 χ^2/NDF: 3356667.8/33

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

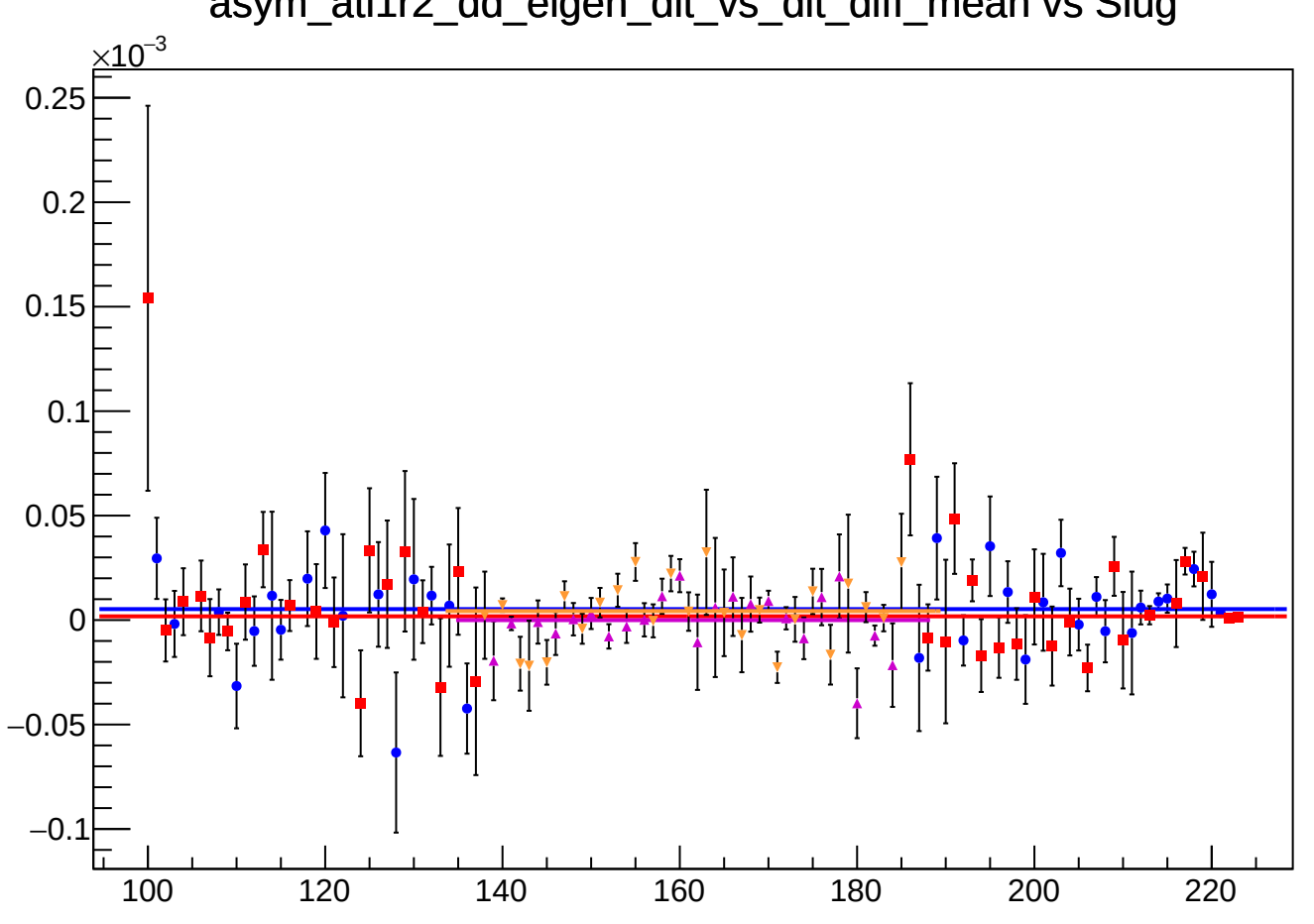
Right Out: 166.053+/-0.027 χ^2/NDF: 6241028.3/38

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 199.404+/-0.024 χ^2/NDF: 9511186.2/58

All: 194.930+/-0.017 χ^2/NDF: 20838886.2/12

- sign 190.659+/-0.023 χ^2/NDF: 11259449.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 55.9/38

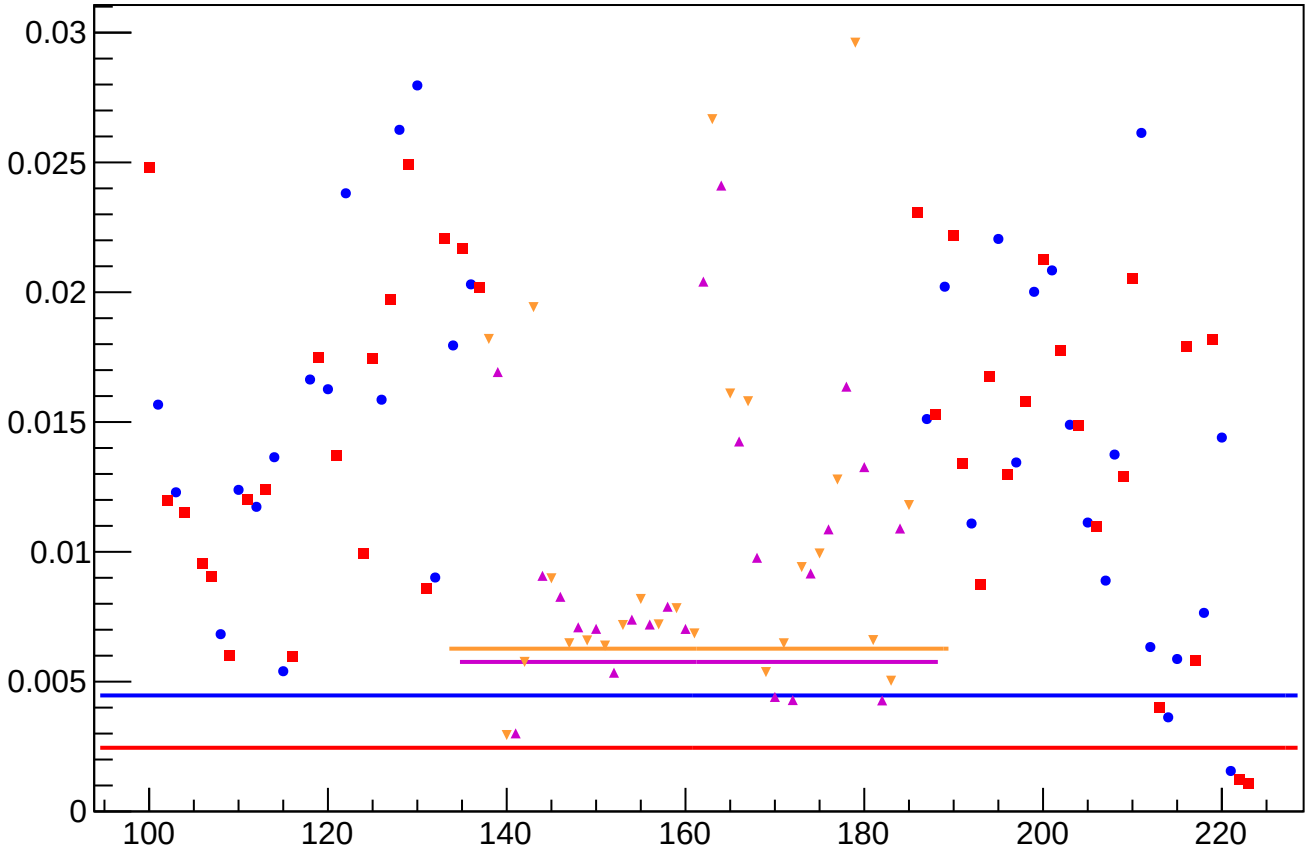
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.7/58

All: 0.000+/-0.000 χ^2/NDF: 174.4/120

- sign 0.000+/-0.000 χ^2/NDF: 85.9/61

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 22143365.0/33

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

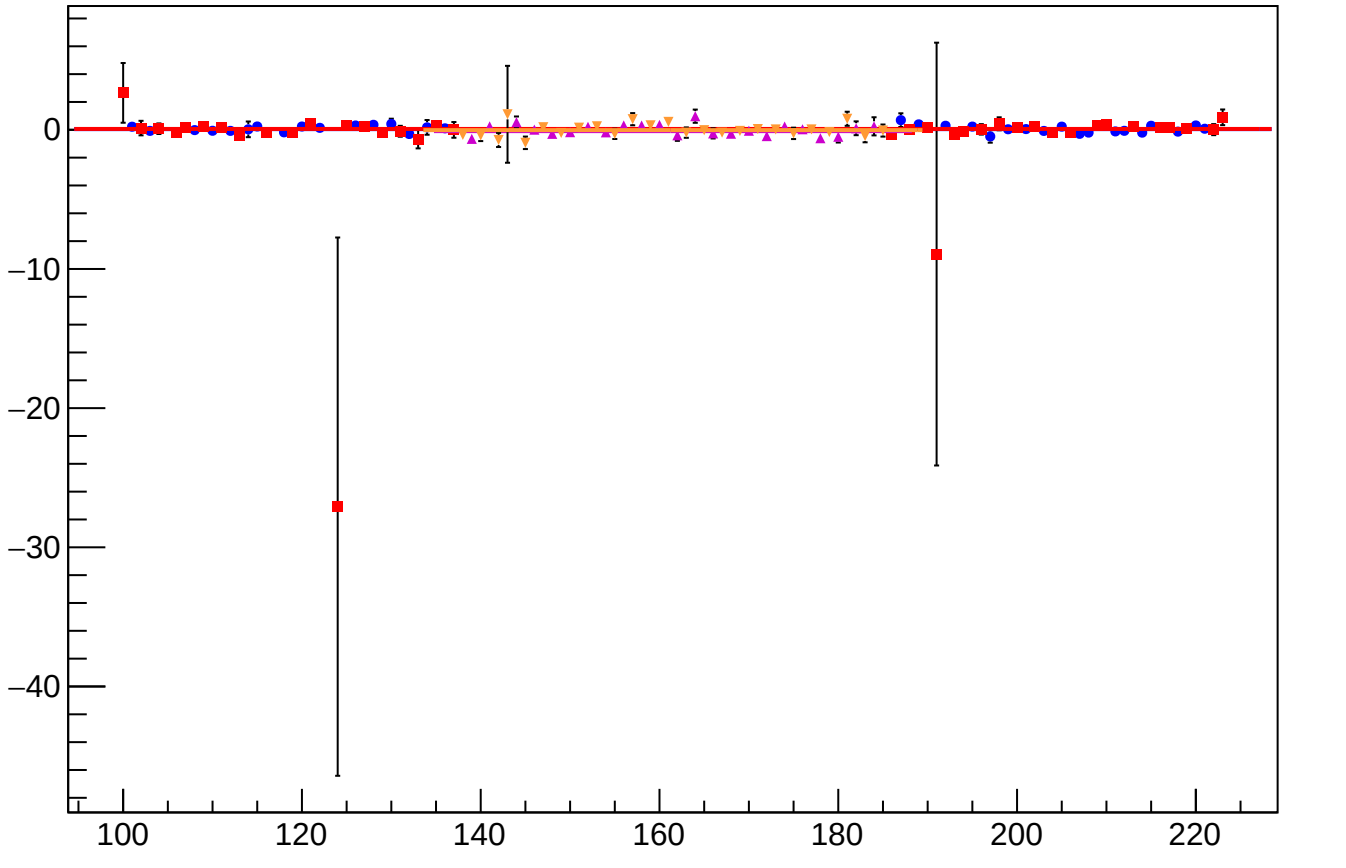
Right Out: 0.002+/-0.000 χ^2/NDF: 30342200.9/38

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 31412742.1/58

All: 0.004+/-0.000 χ^2/NDF: 79503636.1/120

- sign 0.003+/-0.000 χ^2/NDF: 43927595.6/61



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.062+/-0.039 χ^2/NDF: 39.8/38

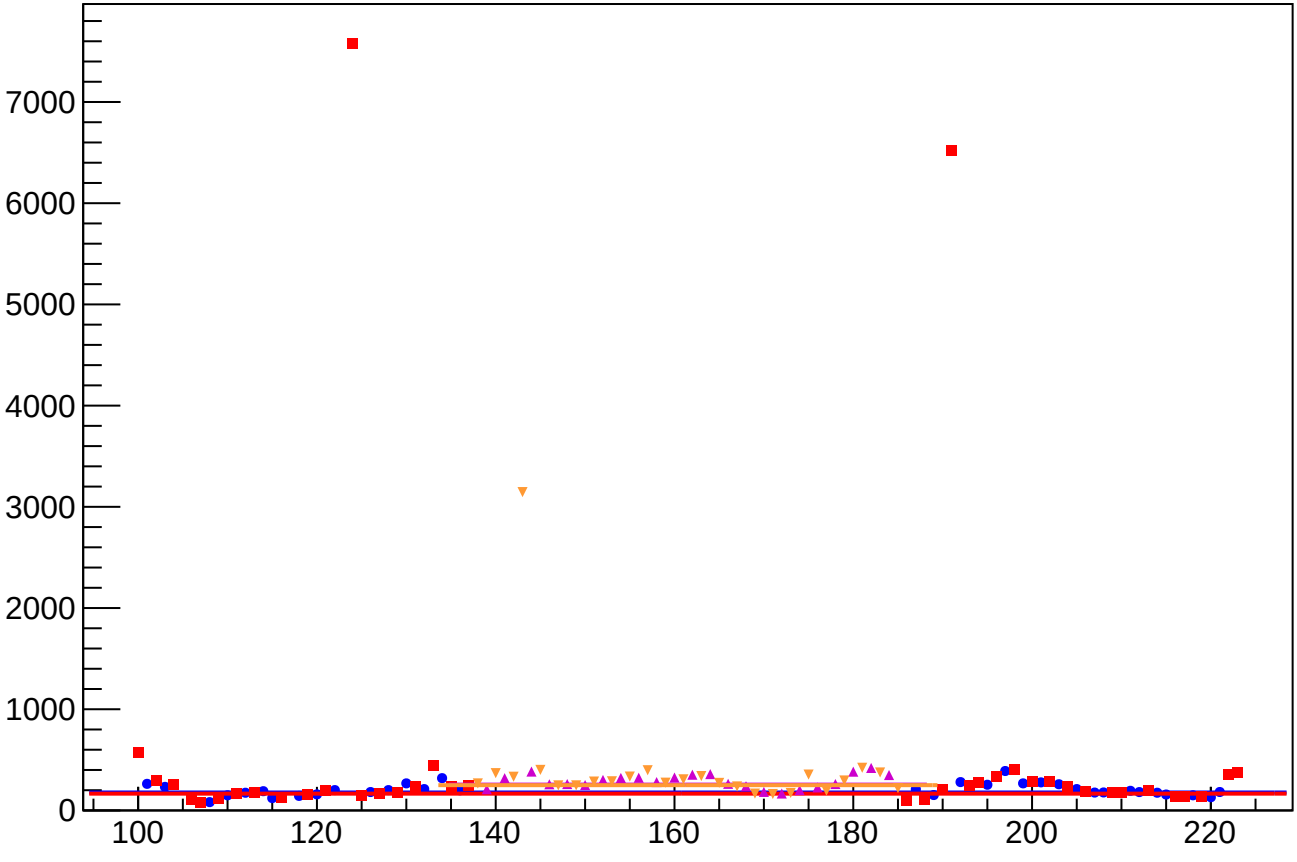
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.027+/-0.034 χ^2/NDF: 54.0/58

All: 0.022+/-0.024 χ^2/NDF: 129.9/120

- sign 0.018+/-0.033 χ^2/NDF: 75.8/61

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 177.589+/-0.029 χ^2/NDF: 3356762.8/33

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

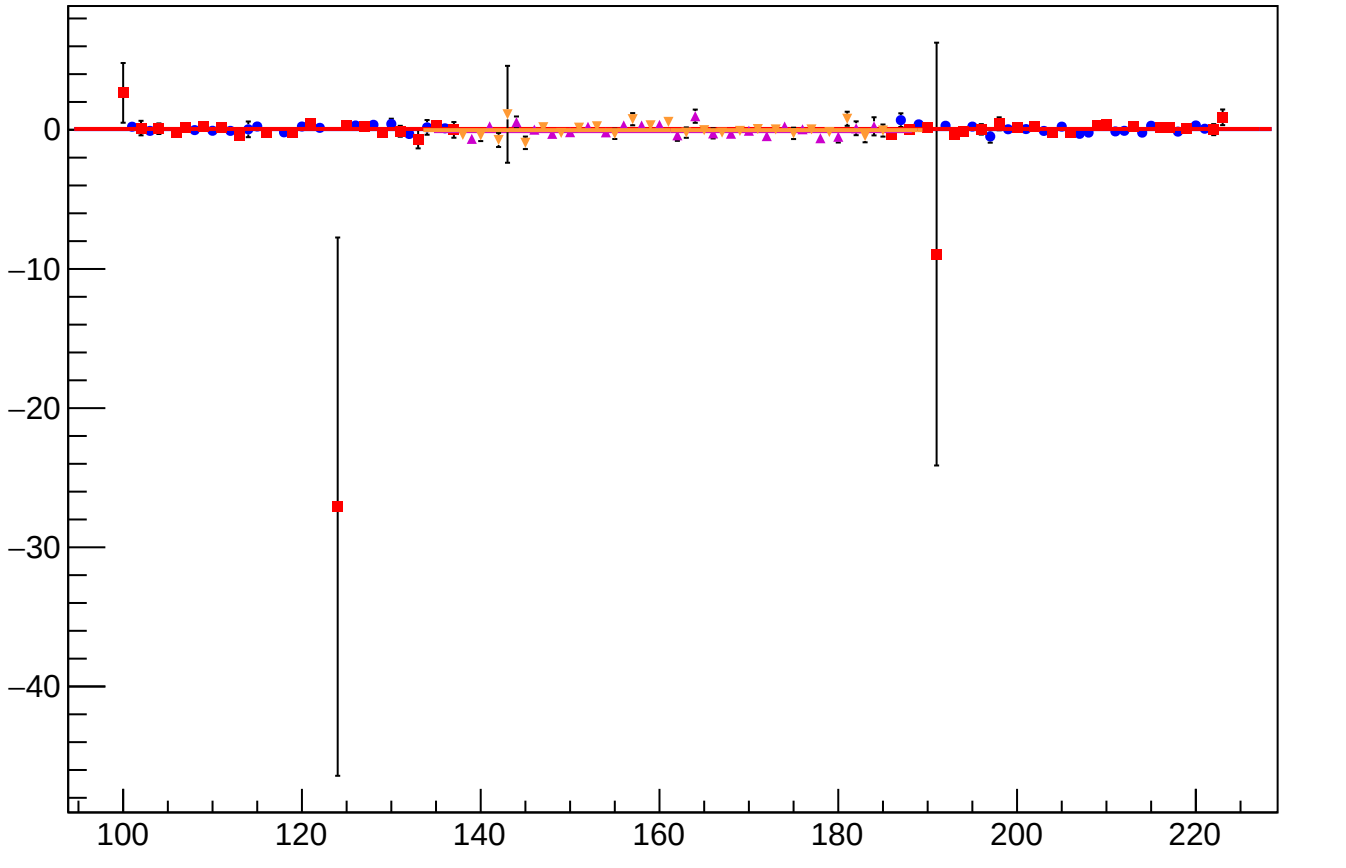
Right Out: 166.055+/-0.027 χ^2/NDF: 6240863.4/38

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 199.403+/-0.024 χ^2/NDF: 9511500.4/58

All: 194.931+/-0.017 χ^2/NDF: 20838979.3/12

- sign 190.662+/-0.023 χ^2/NDF: 11259273.1/61



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

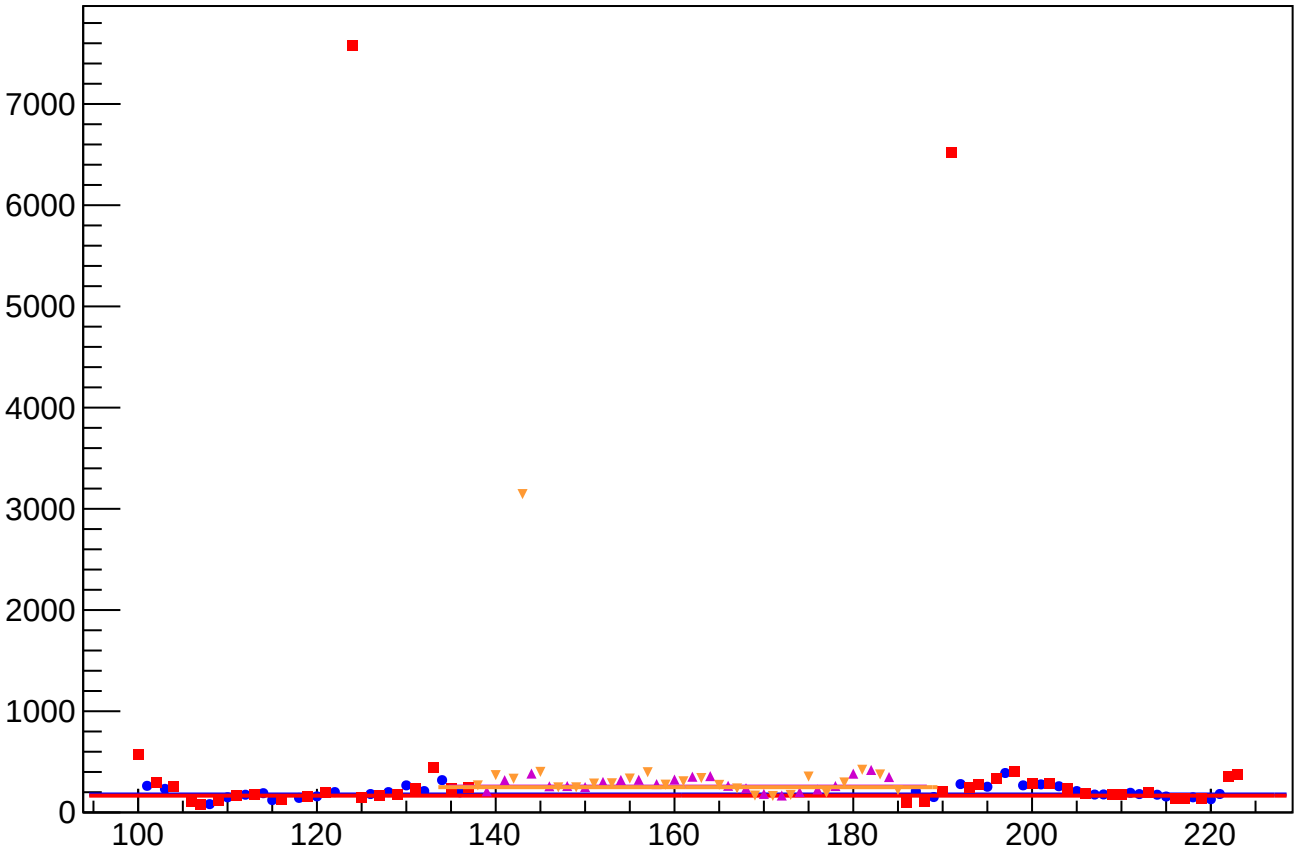
Right Out: 0.062+/-0.039 χ^2/NDF: 39.8/38

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.027+/-0.034 χ^2/NDF: 54.0/58

All: 0.022+/-0.024 χ^2/NDF: 129.9/120

\- sign 0.018+/-0.033 χ^2/NDF: 75.8/61



Right In: 177.589+/-0.029 χ^2/NDF: 3356762.8/33

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

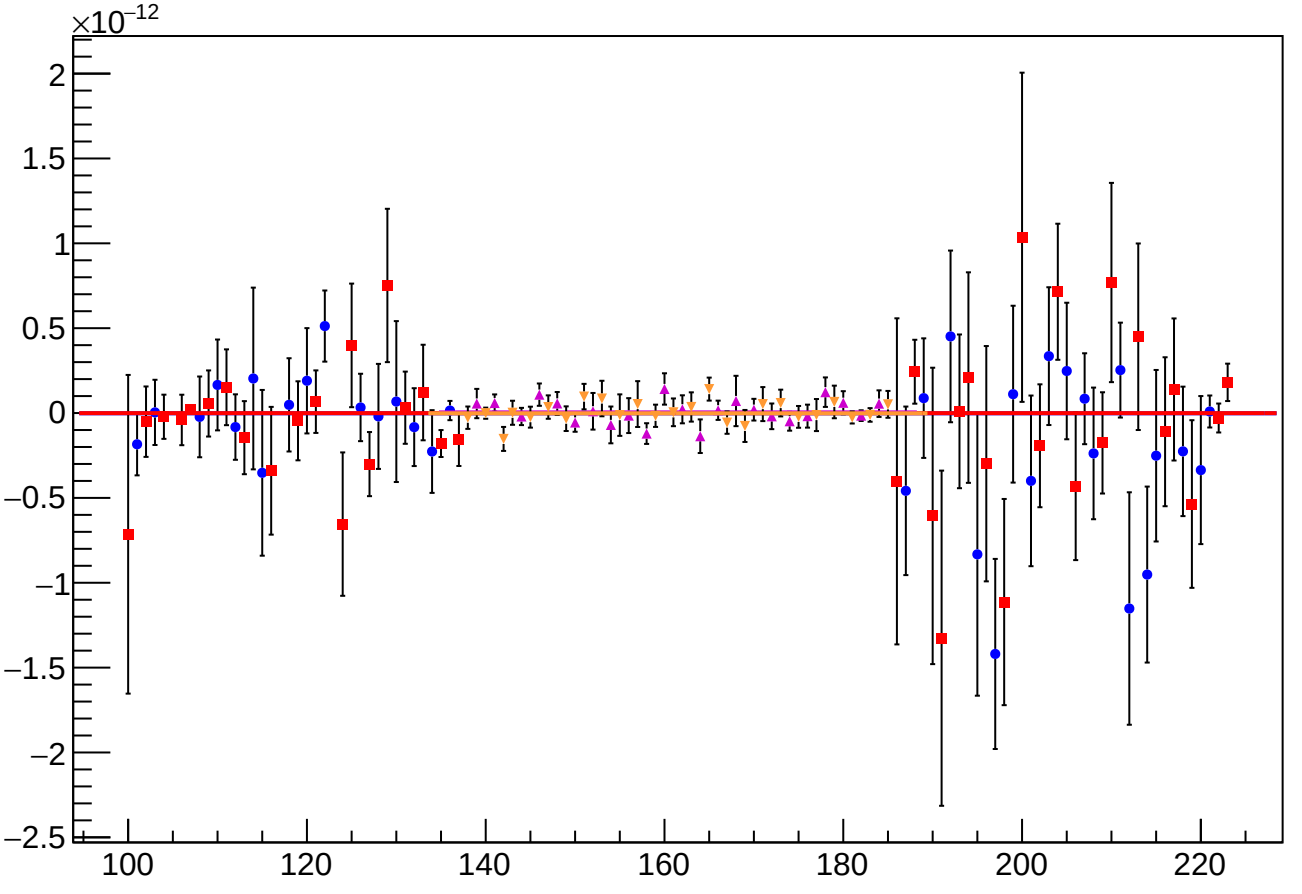
Right Out: 166.055+/-0.027 χ^2/NDF: 6240863.4/38

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 199.403+/-0.024 χ^2/NDF: 9511500.4/58

All: 194.931+/-0.017 χ^2/NDF: 20838979.3/12

- sign 190.662+/-0.023 χ^2/NDF: 11259273.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

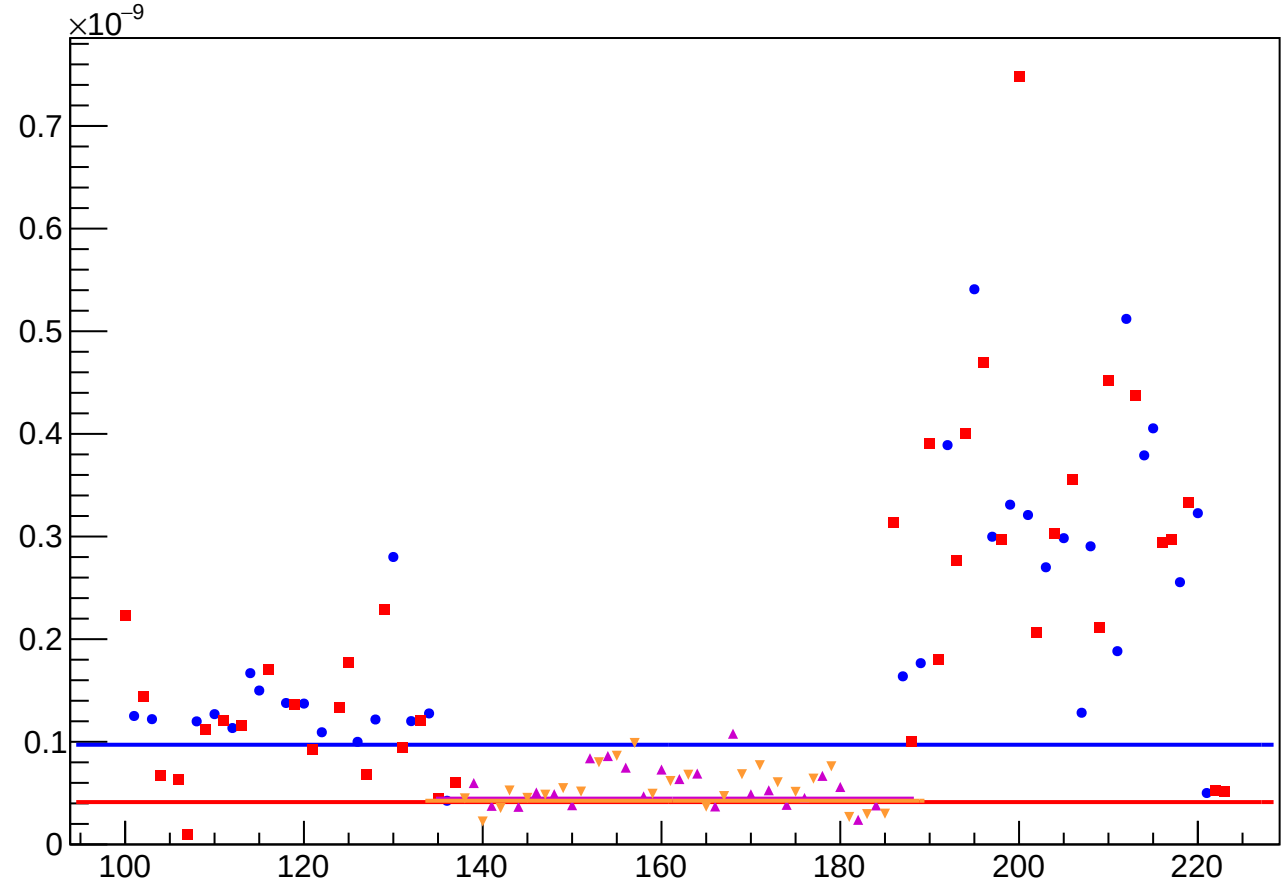
Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/38

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/58

All: 0.000+/-0.000 χ^2/NDF: 104.4/120

- sign 0.000+/-0.000 χ^2/NDF: 58.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 9972776.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17265779.2/38

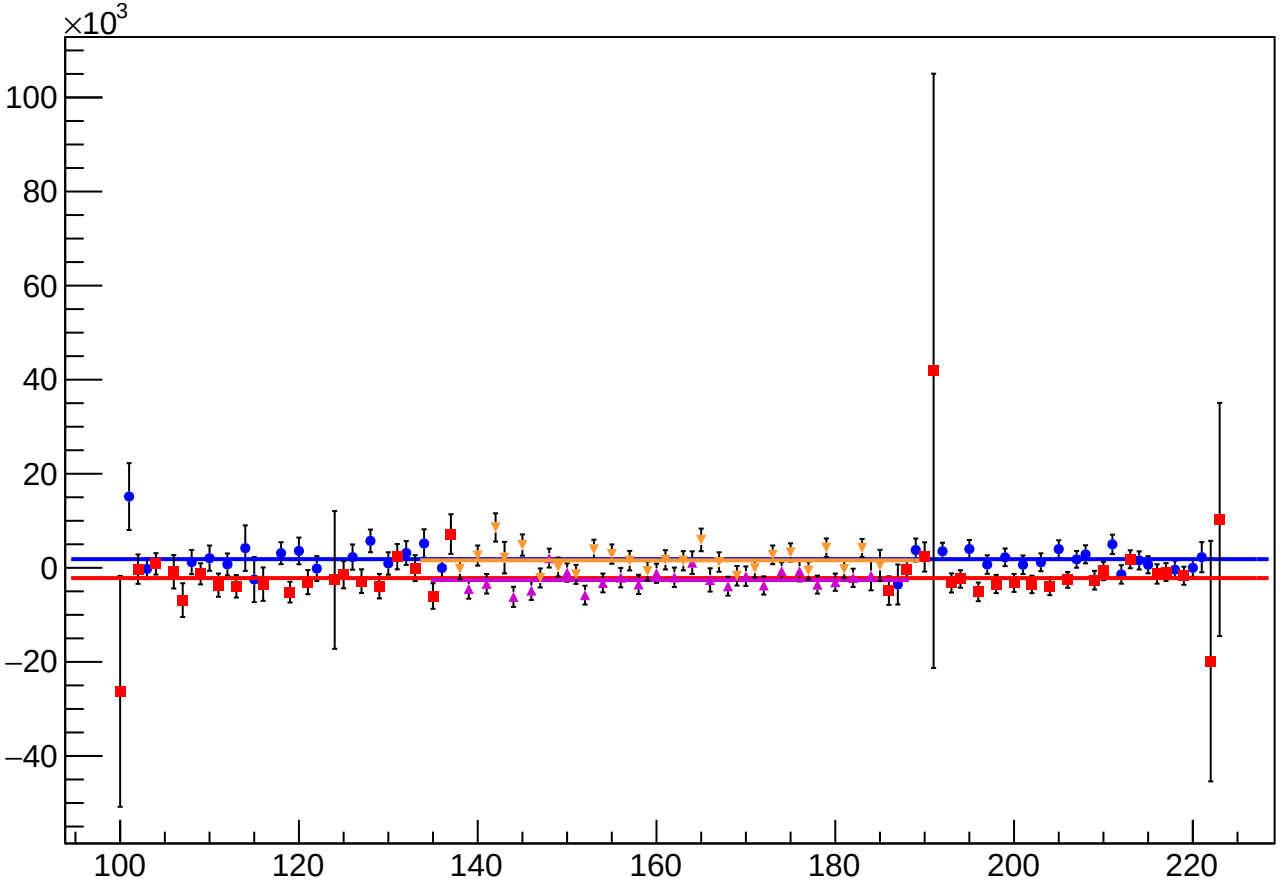
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17655965.4/58

All: 0.000+/-0.000 χ^2/NDF: 38014932.3/120

- sign 0.000+/-0.000 χ^2/NDF: 20172513.7/61

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1843.020+/-386.221 χ^2/NDF: 26.8/33

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2183.977+/-388.905 χ^2/NDF: 34.2/38

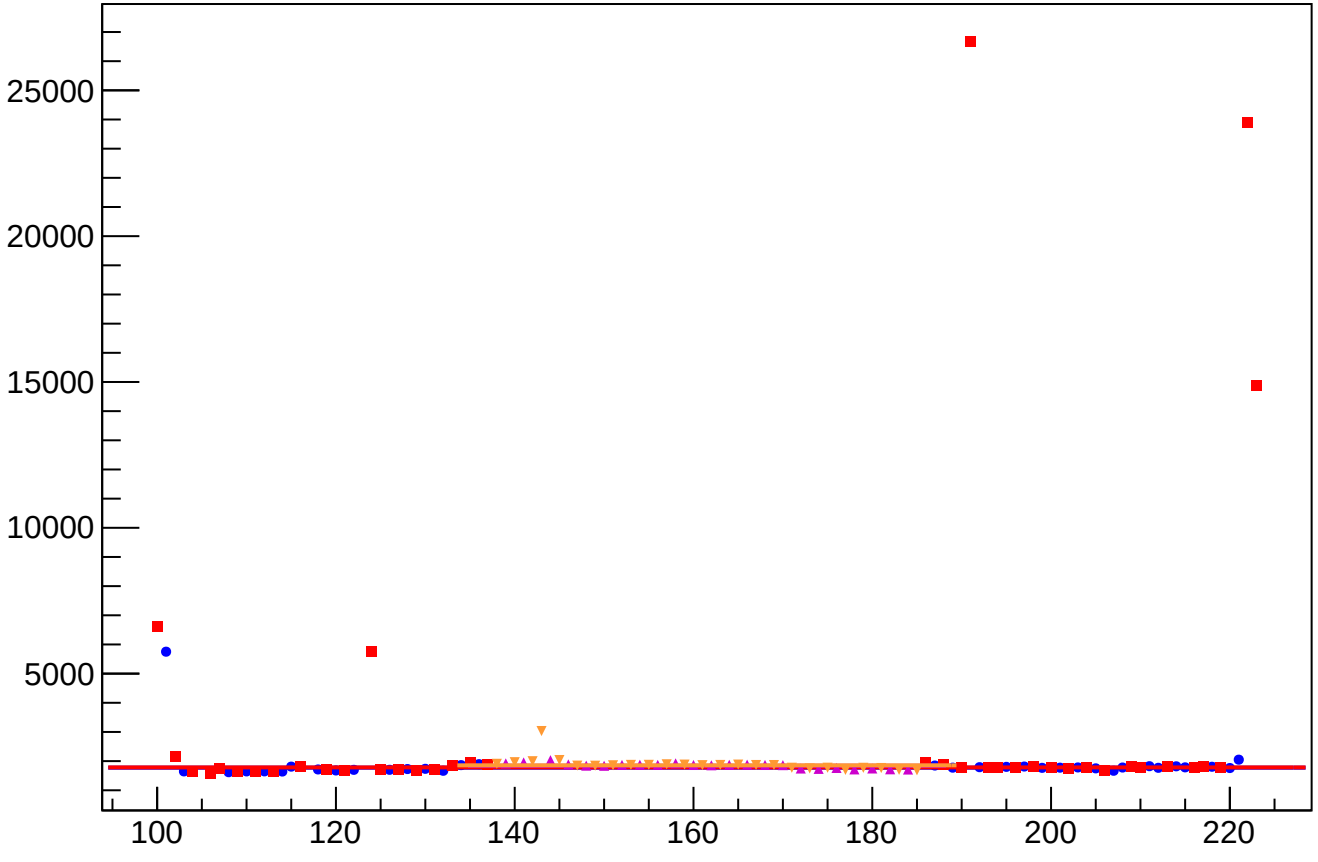
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1729.194+/-285.309 χ^2/NDF: 58.3/58

All: -297.446+/-202.871 χ^2/NDF: 215.1/120

- sign -2370.007+/-288.523 χ^2/NDF: 54.8/61

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1774.370+/-0.273 χ^2/NDF: 700349.8/33

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1783.981+/-0.274 χ^2/NDF: 2707402.7/38

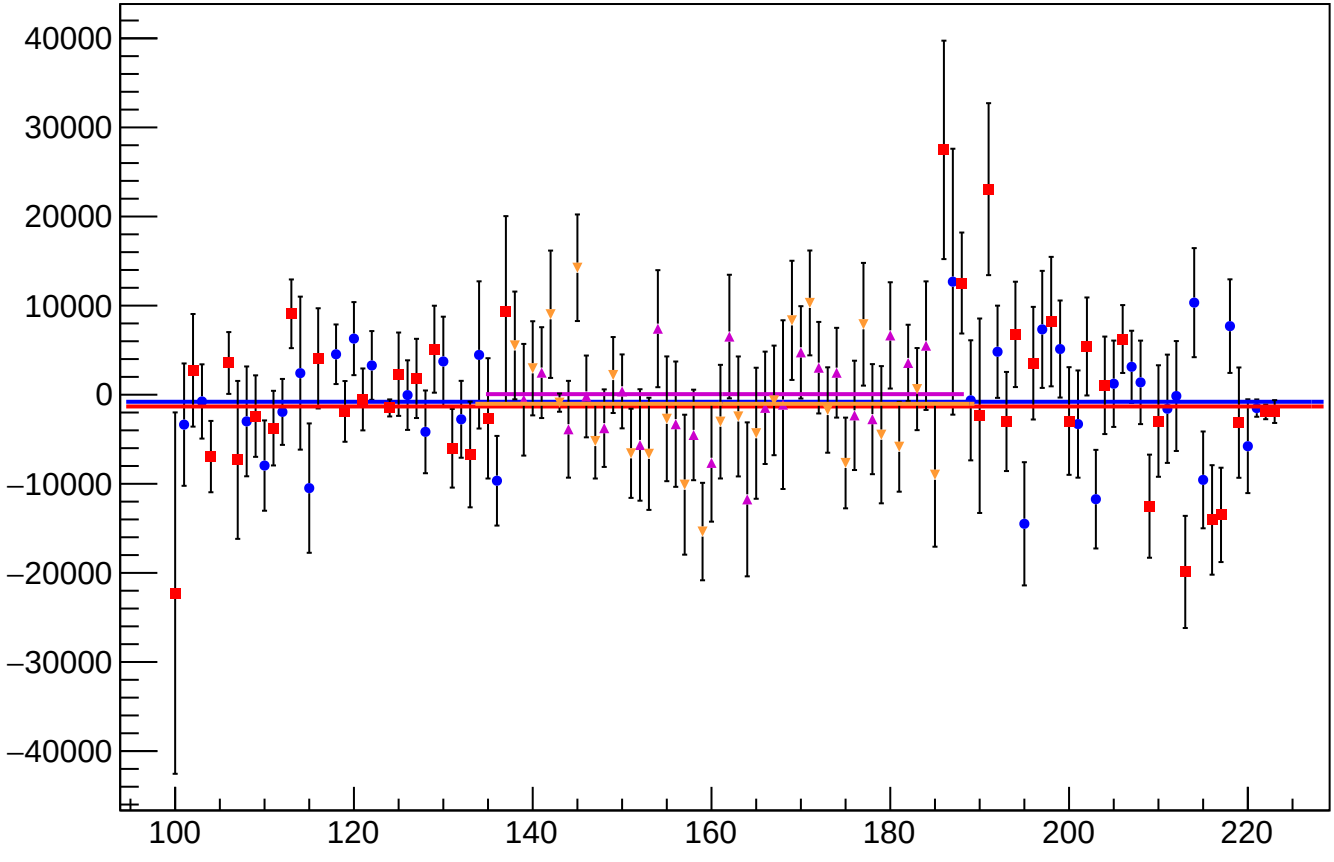
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.254+/-0.202 χ^2/NDF: 1064768.5/58

All: 1810.403+/-0.143 χ^2/NDF: 3862554.4/12

- sign 1809.535+/-0.204 χ^2/NDF: 2797750.0/61

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -793.202+/-656.509 χ^2/NDF: 40.0/33

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -1320.075+/-470.582 χ^2/NDF: 71.3/38

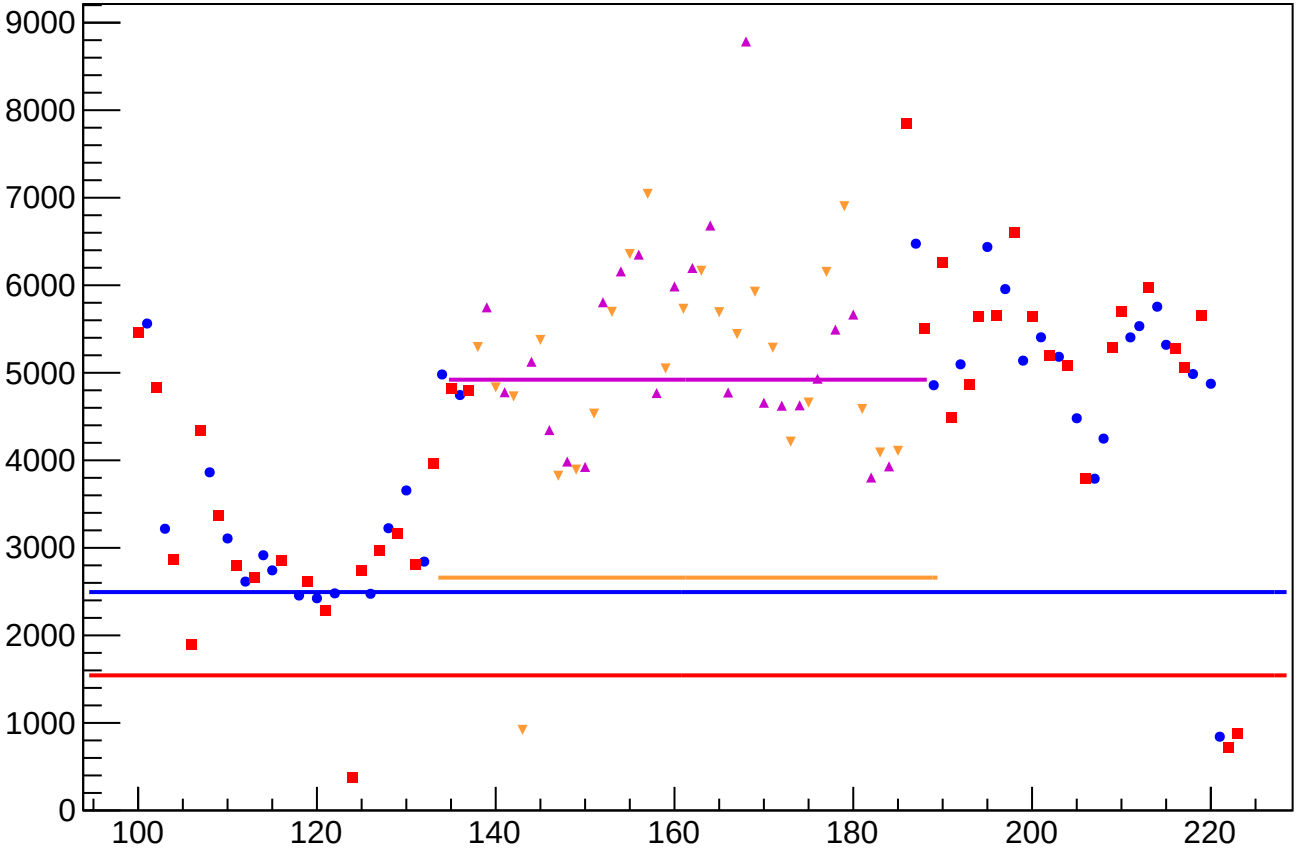
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -887.932+/-500.071 χ^2/NDF: 73.8/58

All: -1024.423+/-328.961 χ^2/NDF: 159.4/120

- sign -1128.545+/-436.769 χ^2/NDF: 85.5/61

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 2494.810+/-0.464 χ^2/NDF: 14363984.6/33

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

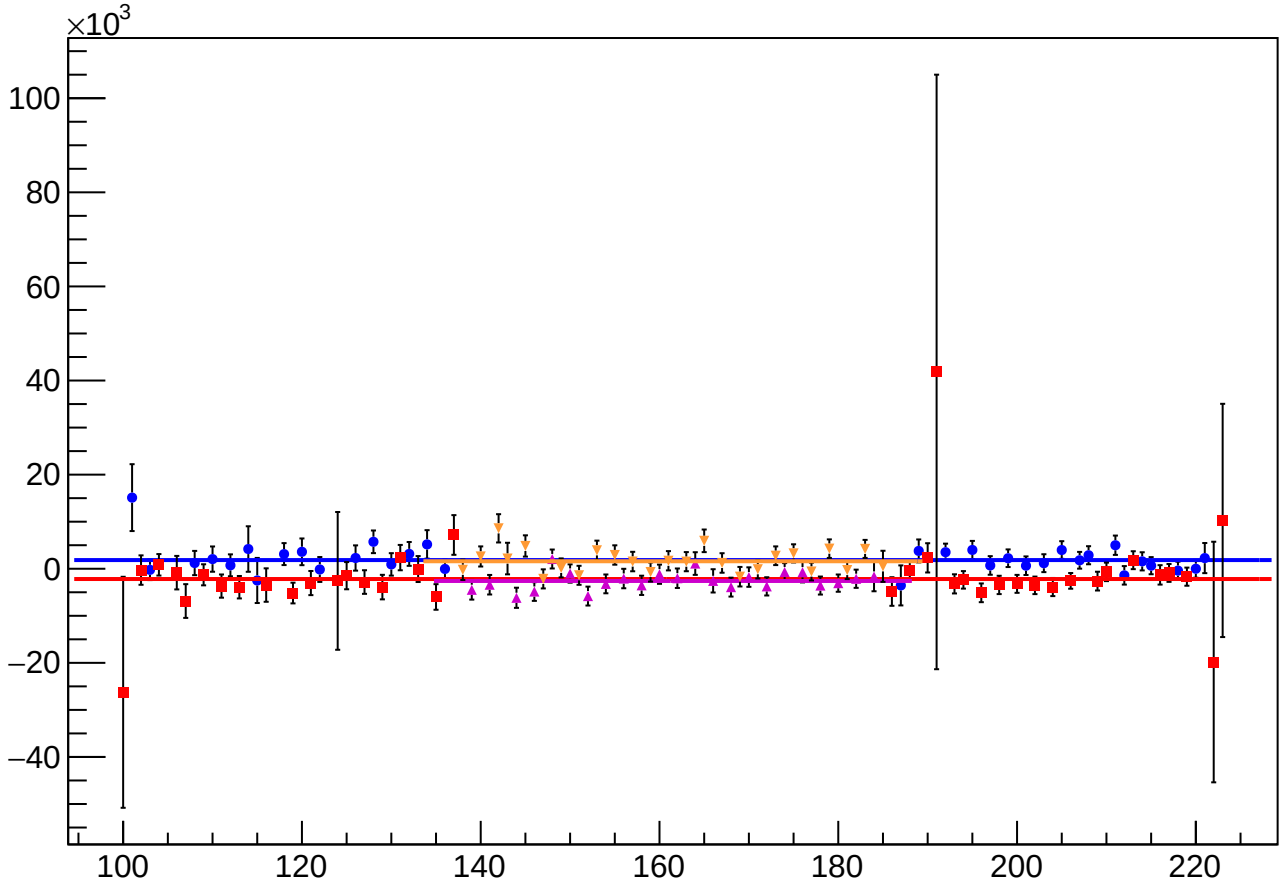
Right Out: 1543.259+/-0.333 χ^2/NDF: 23530956.3/38

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2564.159+/-0.354 χ^2/NDF: 28953221.4/58

All: 2250.526+/-0.233 χ^2/NDF: 69400672.1/1

- sign 2011.271+/-0.309 χ^2/NDF: 39060610.5/61



Right In: 1842.808+/-386.221 χ^2/NDF: 26.8/33

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2184.014+/-388.905 χ^2/NDF: 34.2/38

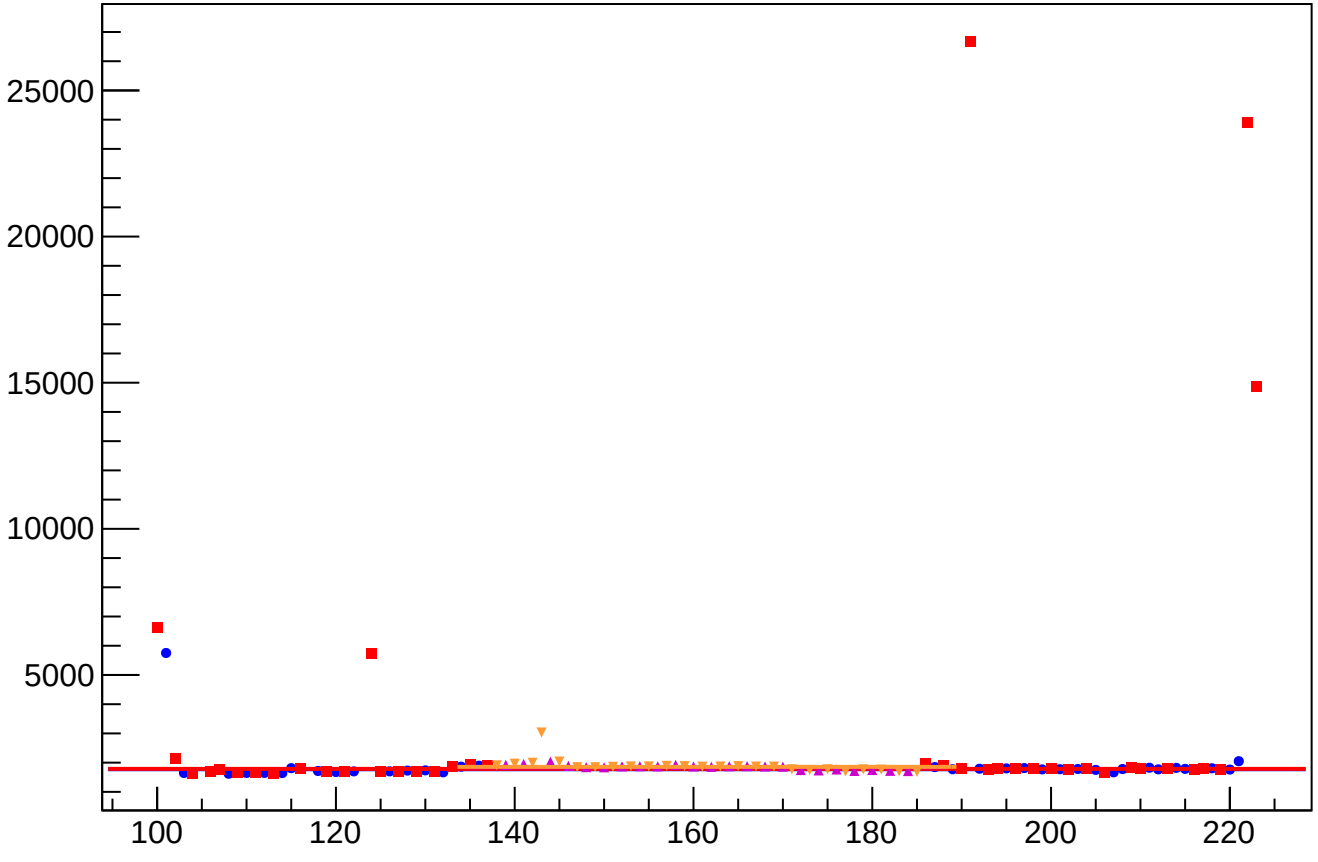
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1729.063+/-285.309 χ^2/NDF: 58.3/58

All: -297.538+/-202.871 χ^2/NDF: 215.1/120

- sign -2370.060+/-288.523 χ^2/NDF: 54.8/61

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1774.370+/-0.273 χ^2/NDF: 700350.1/33

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1786.468+/-0.275 χ^2/NDF: 2698027.6/38

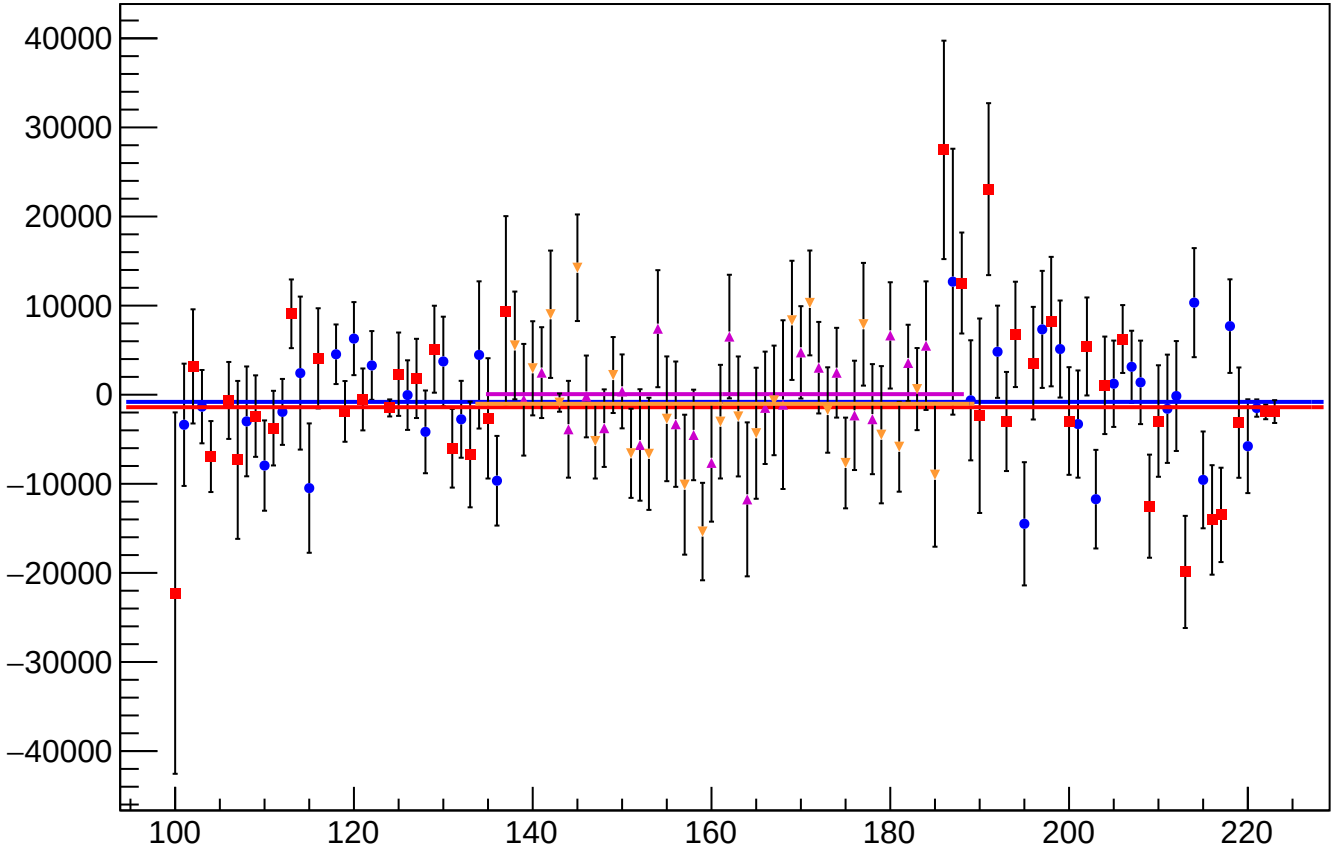
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.254+/-0.202 χ^2/NDF: 1064768.9/58

All: 1811.099+/-0.143 χ^2/NDF: 3851472.2/12

- sign 1810.942+/-0.204 χ^2/NDF: 2786702.1/61

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -806.057+/-656.394 χ^2/NDF: 40.0/33

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -1402.407+/-472.127 χ^2/NDF: 69.4/38

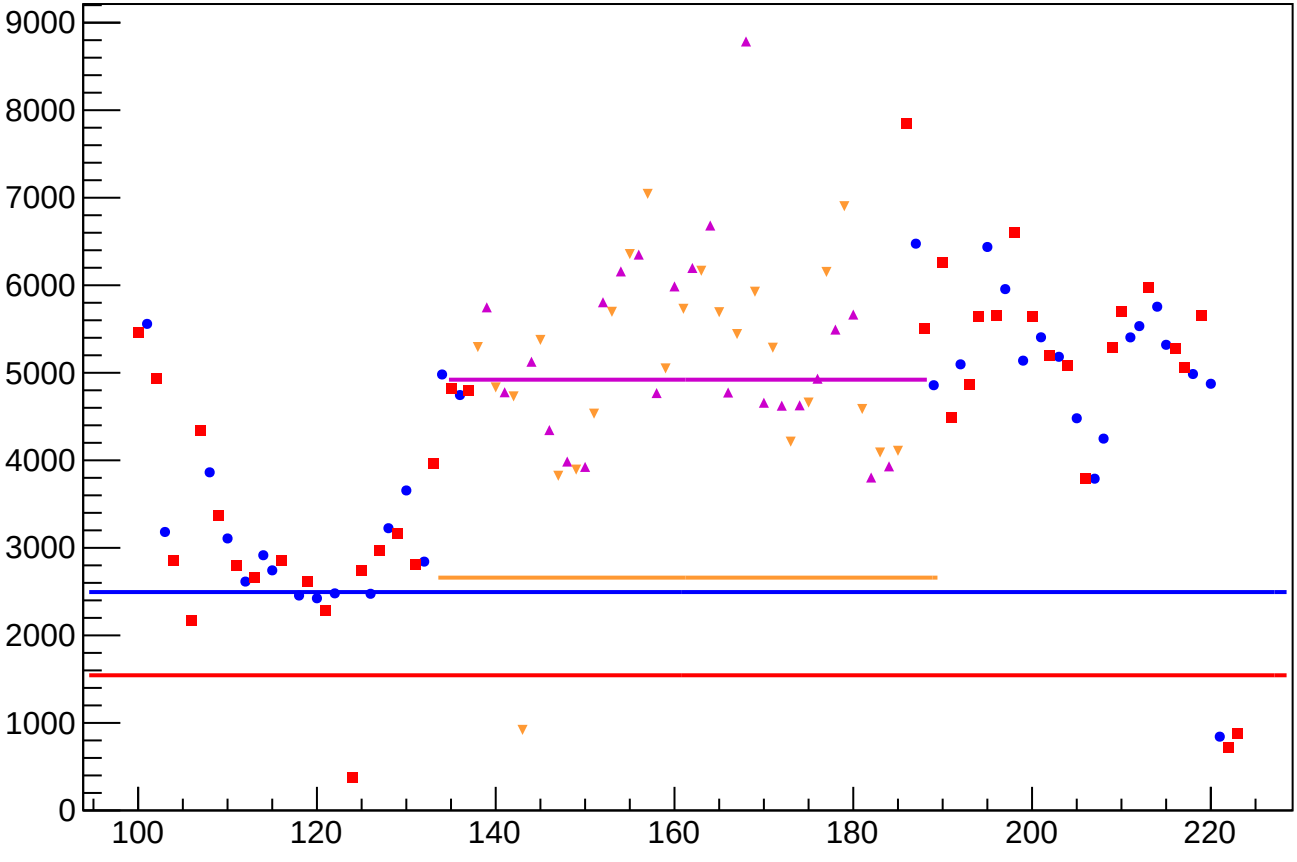
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -895.313+/-500.015 χ^2/NDF: 73.8/58

All: -1066.768+/-329.471 χ^2/NDF: 157.8/120

- sign -1198.333+/-438.004 χ^2/NDF: 83.7/61

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 2494.957+/-0.464 χ^2/NDF: 14353137.7/33

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1544.281+/-0.334 χ^2/NDF: 23568735.9/38

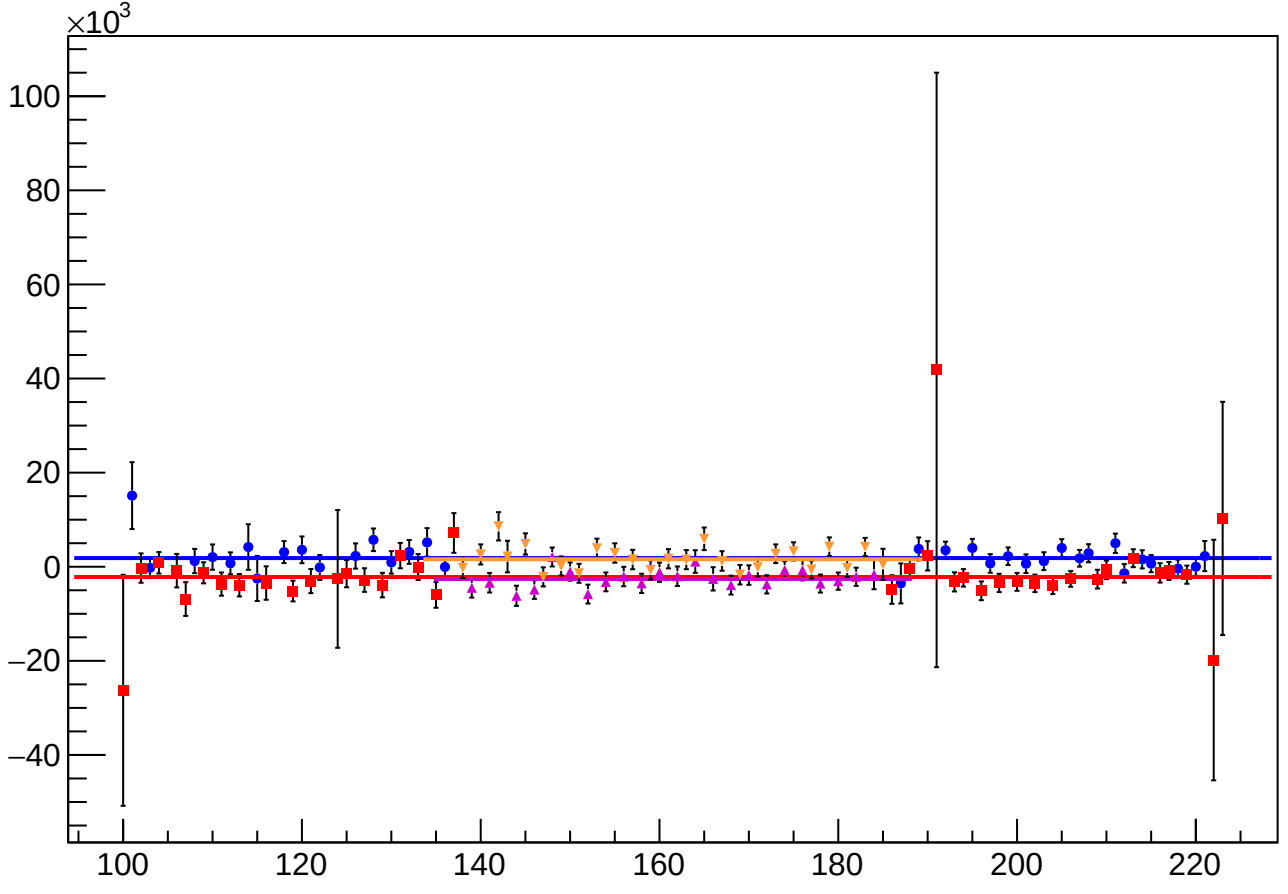
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2564.190+/-0.354 χ^2/NDF: 28942961.9/58

All: 2253.333+/-0.233 χ^2/NDF: 69385882.9/1

- sign 2014.800+/-0.310 χ^2/NDF: 39076755.2/61

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1842.808+/-386.221 χ^2/NDF: 26.8/33

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2184.014+/-388.905 χ^2/NDF: 34.2/38

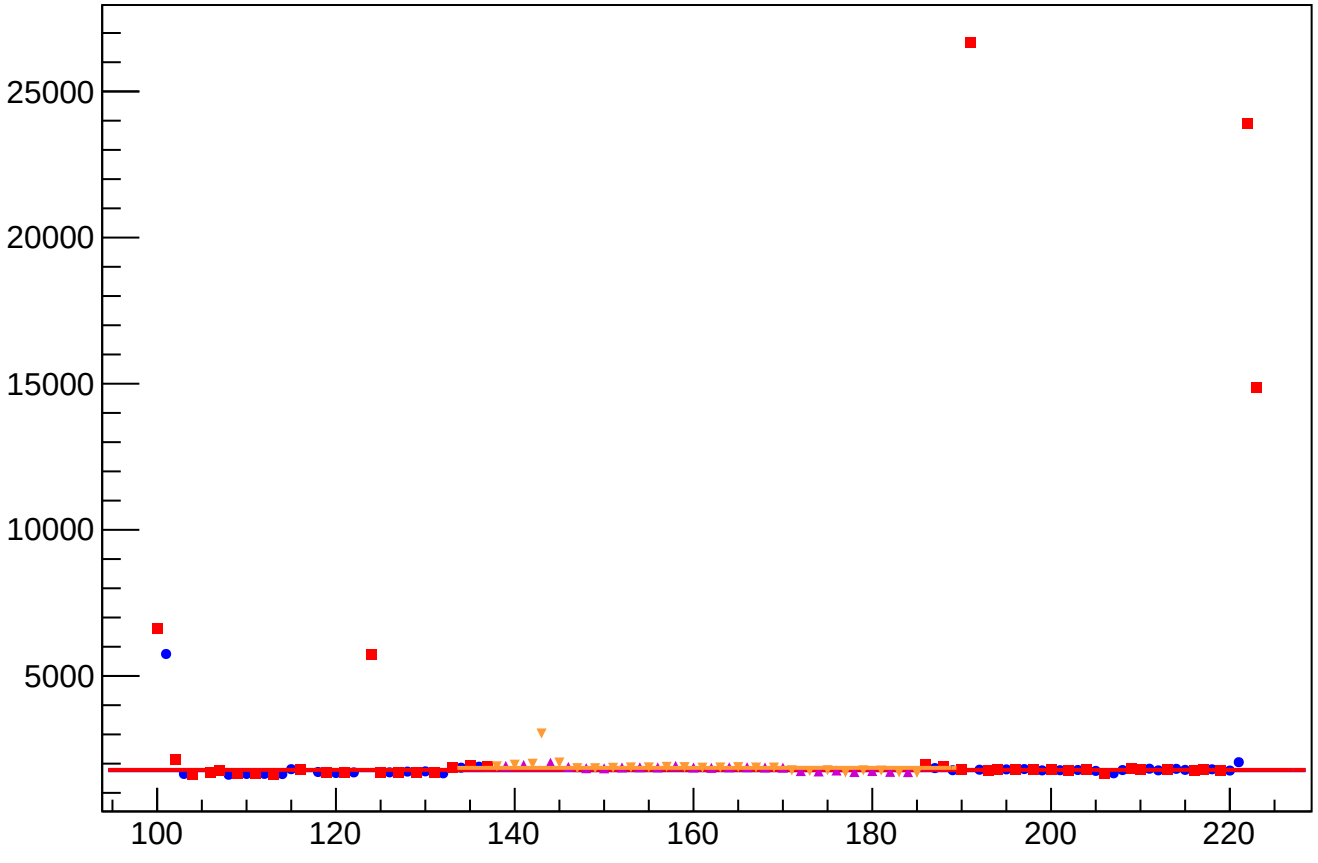
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1729.063+/-285.309 χ^2/NDF: 58.3/58

All: -297.538+/-202.871 χ^2/NDF: 215.1/120

- sign -2370.060+/-288.523 χ^2/NDF: 54.8/61

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1774.370+/-0.273 χ^2/NDF: 700350.1/33

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

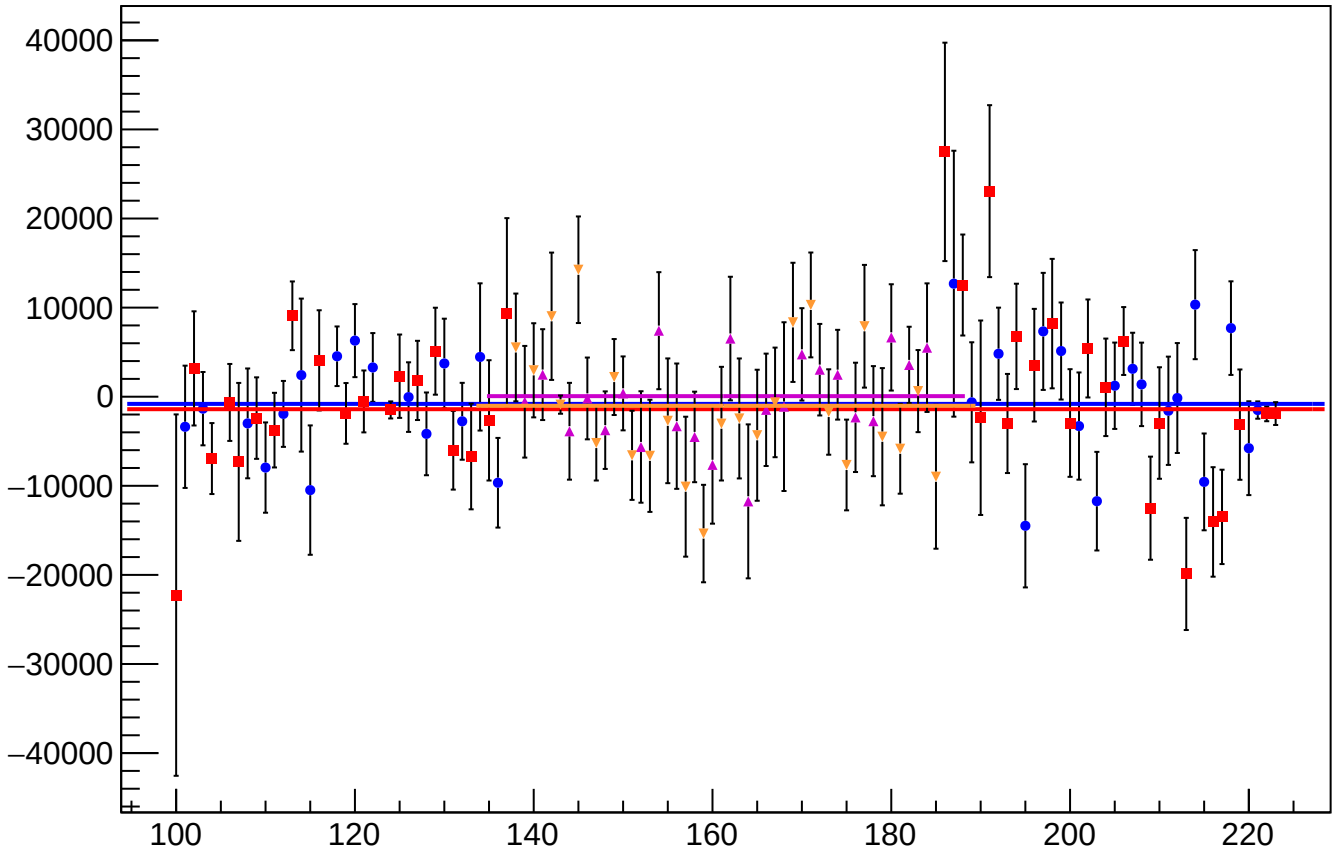
Right Out: 1786.468+/-0.275 χ^2/NDF: 2698027.6/38

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.254+/-0.202 χ^2/NDF: 1064768.9/58

All: 1811.099+/-0.143 χ^2/NDF: 3851472.2/12

- sign 1810.942+/-0.204 χ^2/NDF: 2786702.1/61



Right In: -806.057+/-656.394 χ^2/NDF: 40.0/33

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -1402.407+/-472.127 χ^2/NDF: 69.4/38

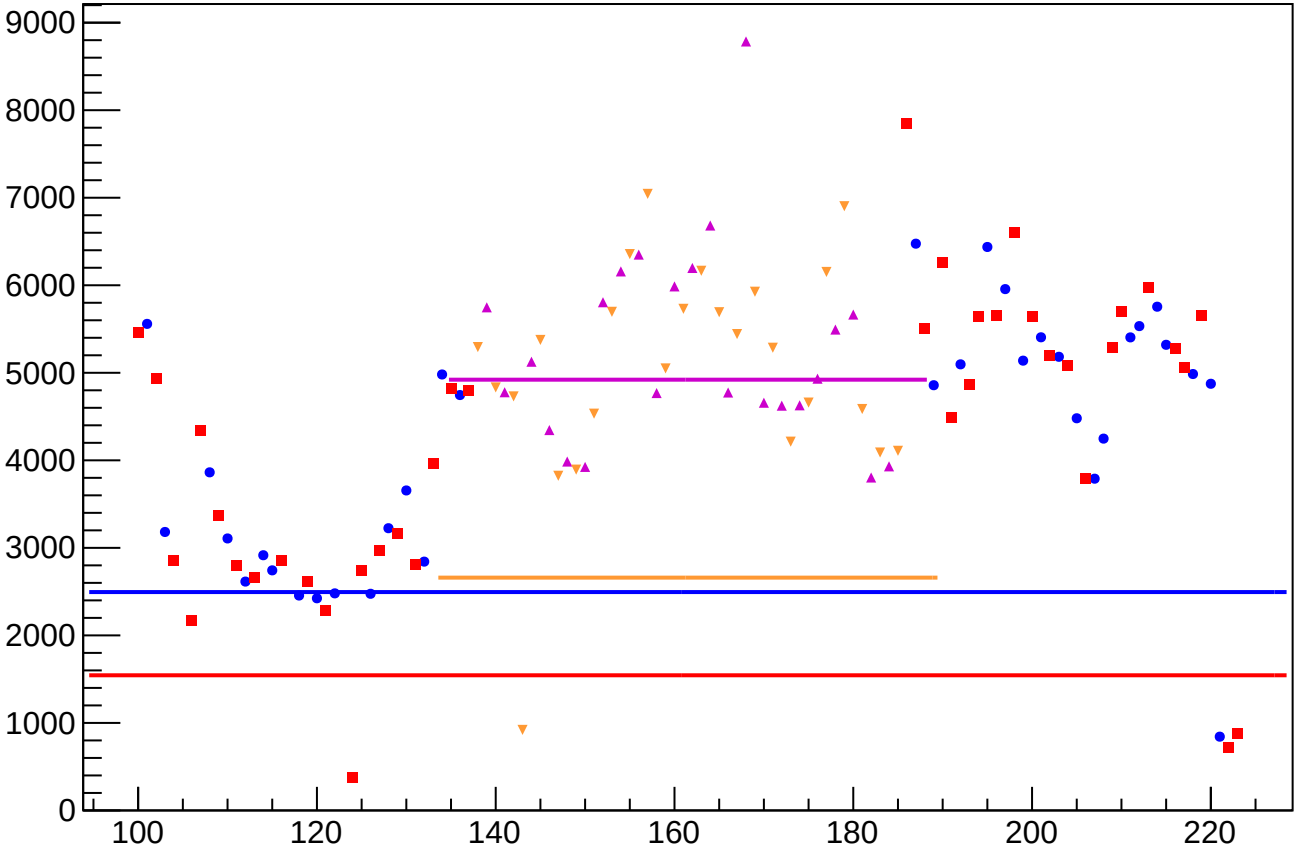
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

\+ sign -895.313+/-500.015 χ^2/NDF: 73.8/58

All: -1066.768+/-329.471 χ^2/NDF: 157.8/120

\- sign -1198.333+/-438.004 χ^2/NDF: 83.7/61

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 2494.957+/-0.464 χ^2/NDF: 14353137.7/33

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1544.281+/-0.334 χ^2/NDF: 23568735.9/38

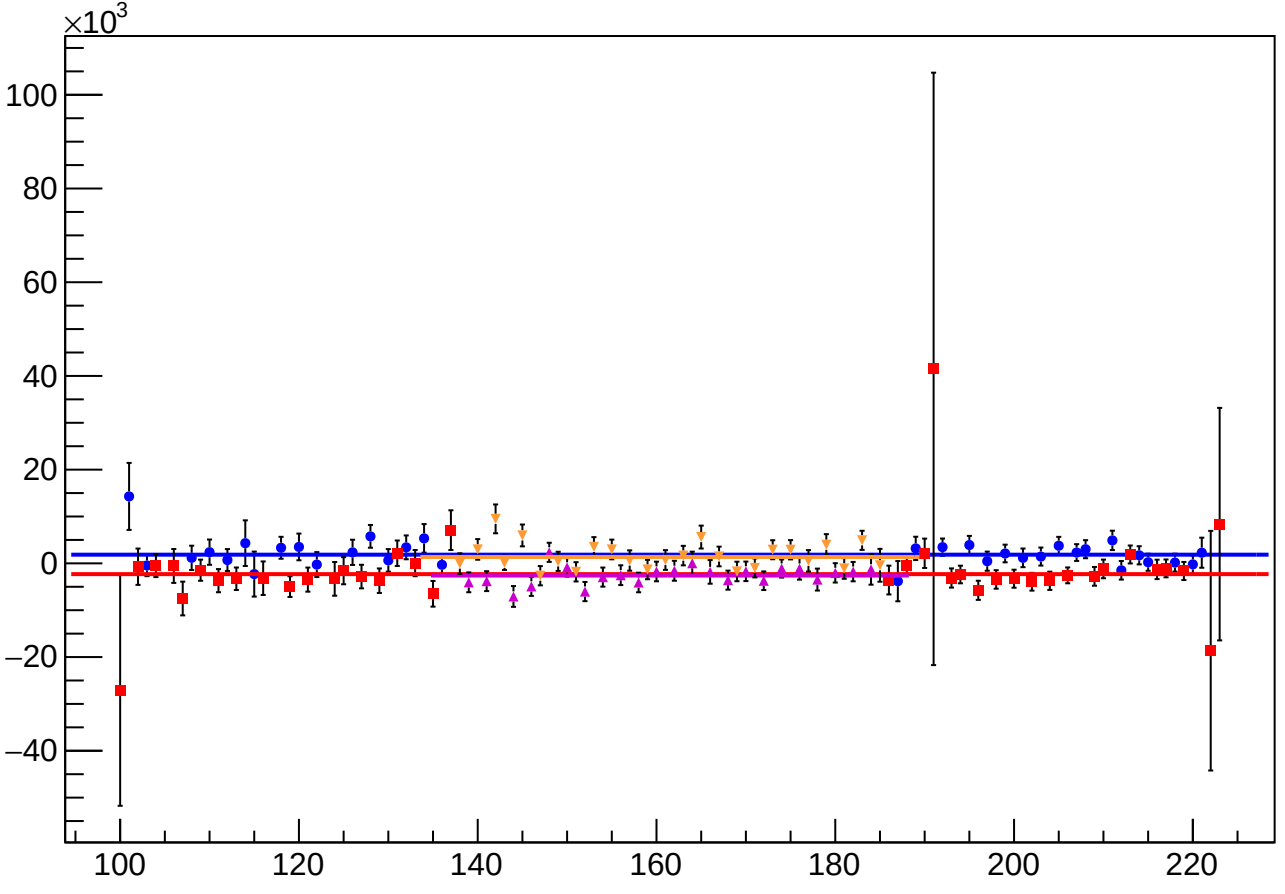
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2564.190+/-0.354 χ^2/NDF: 28942961.9/58

All: 2253.333+/-0.233 χ^2/NDF: 69385882.9/1

- sign 2014.800+/-0.310 χ^2/NDF: 39076755.2/61

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1850.992+/-389.839 χ^2/NDF: 26.2/33

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2299.525+/-391.632 χ^2/NDF: 32.5/38

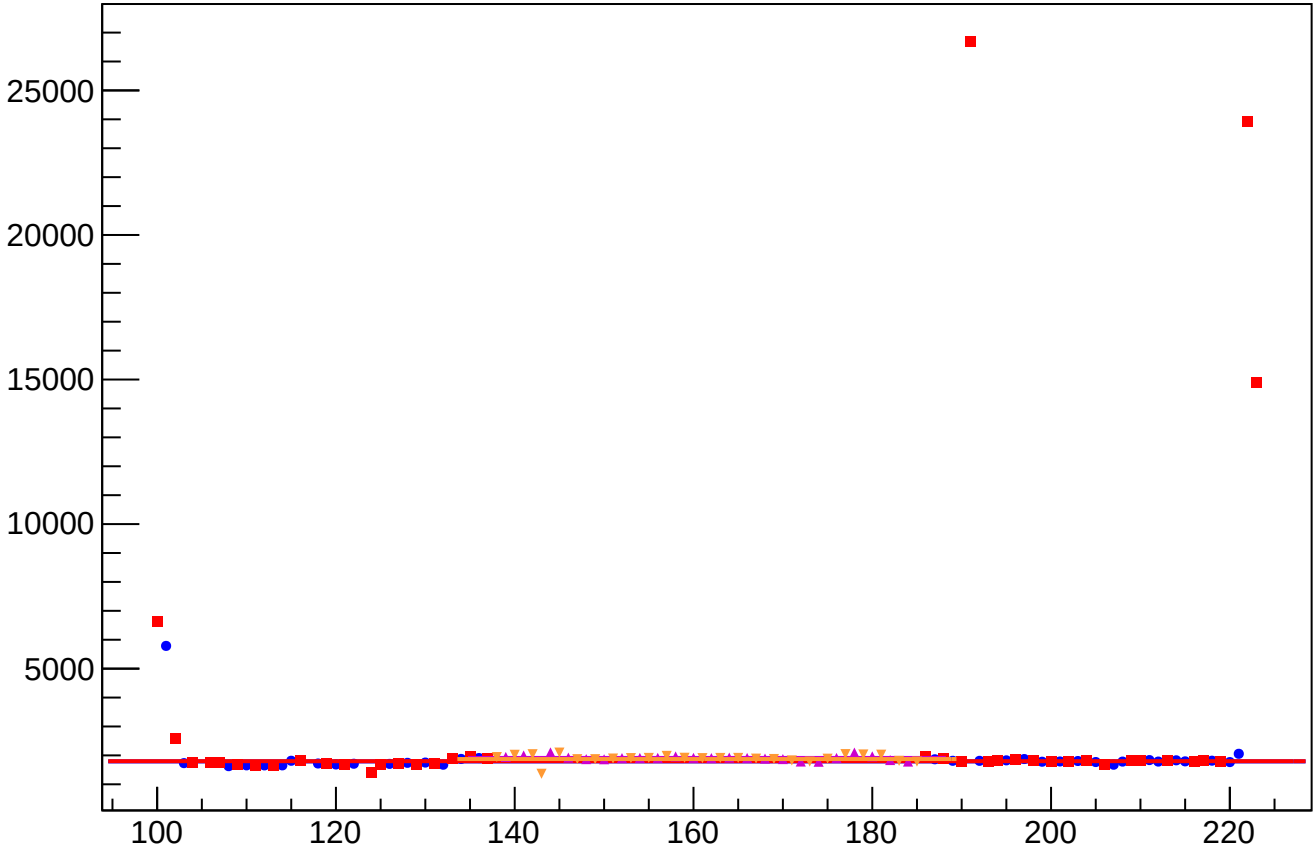
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1629.742+/-288.002 χ^2/NDF: 63.0/58

All: -355.545+/-205.905 χ^2/NDF: 213.0/120

- sign -2431.328+/-294.493 χ^2/NDF: 52.8/61

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1790.869+/-0.276 χ^2/NDF: 699181.5/33

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1799.391+/-0.277 χ^2/NDF: 2618899.8/38

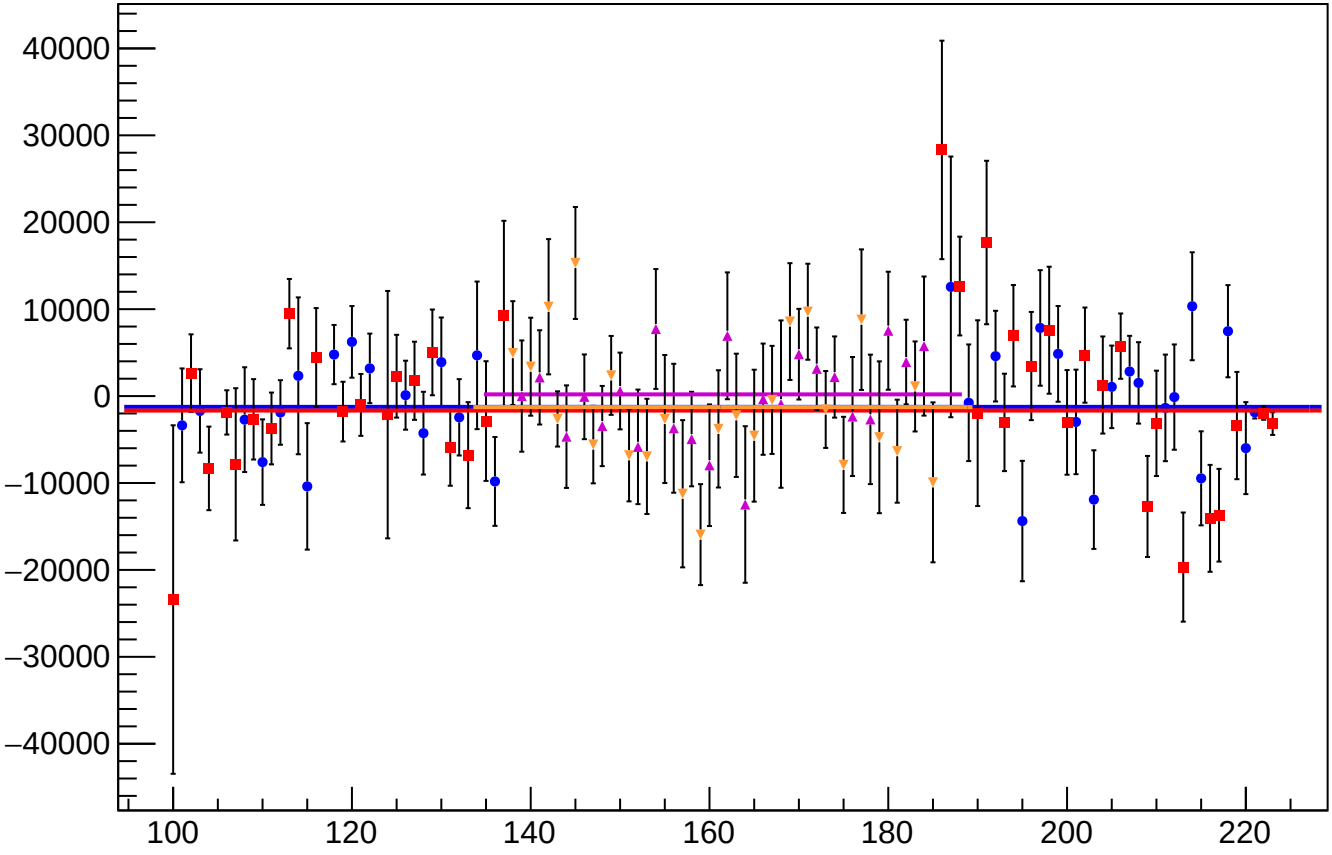
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1828.255+/-0.204 χ^2/NDF: 1049410.9/58

All: 1837.924+/-0.146 χ^2/NDF: 3803238.9/12

- sign 1848.023+/-0.208 χ^2/NDF: 2749219.2/61

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -1239.801+/-560.565 χ^2/NDF: 40.2/33

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -1665.606+/-522.190 χ^2/NDF: 68.6/38

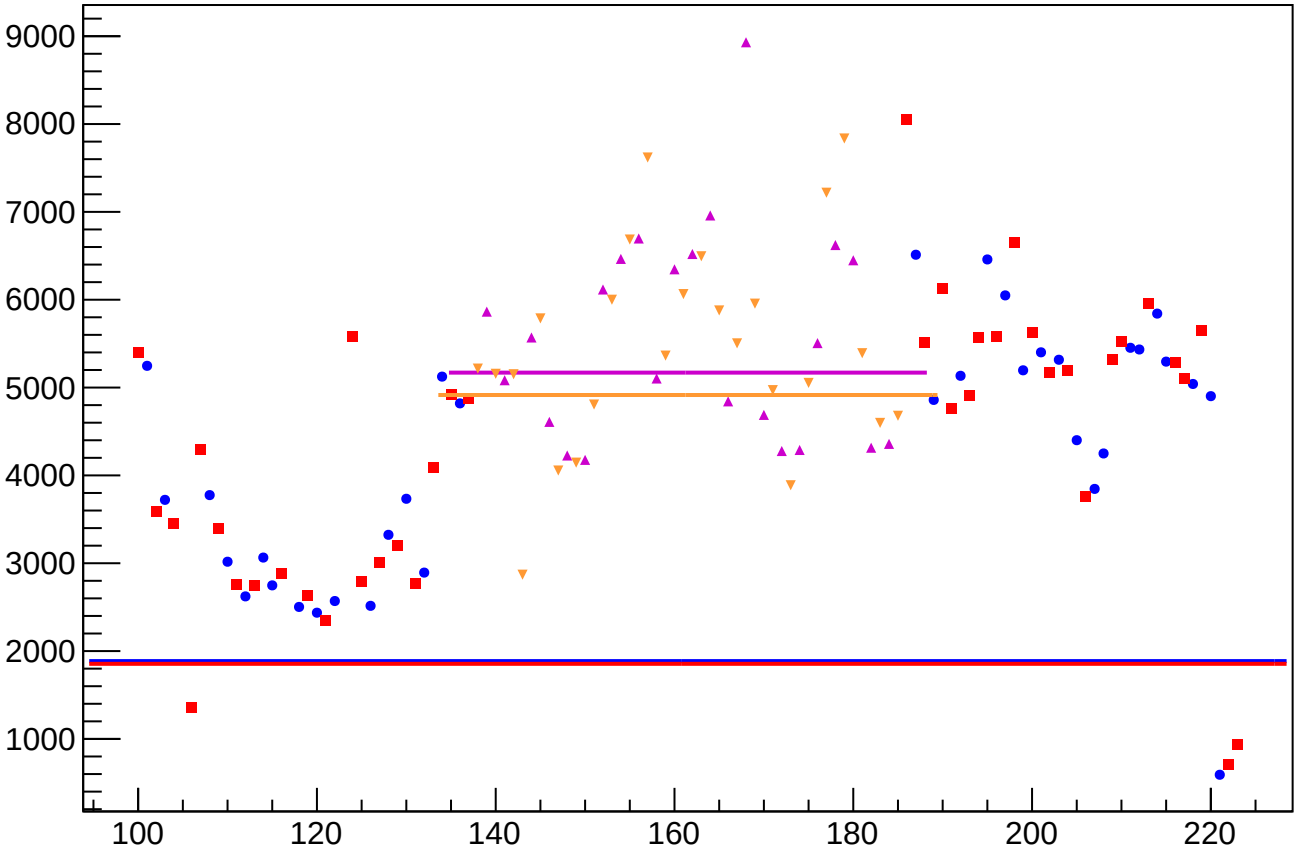
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -1245.504+/-504.402 χ^2/NDF: 73.6/58

All: -1317.495+/-348.073 χ^2/NDF: 156.9/120

- sign -1382.944+/-480.936 χ^2/NDF: 83.3/61

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 1885.934+/-0.396 χ^2/NDF: 20515827.4/33

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 1854.958+/-0.369 χ^2/NDF: 20260321.4/38

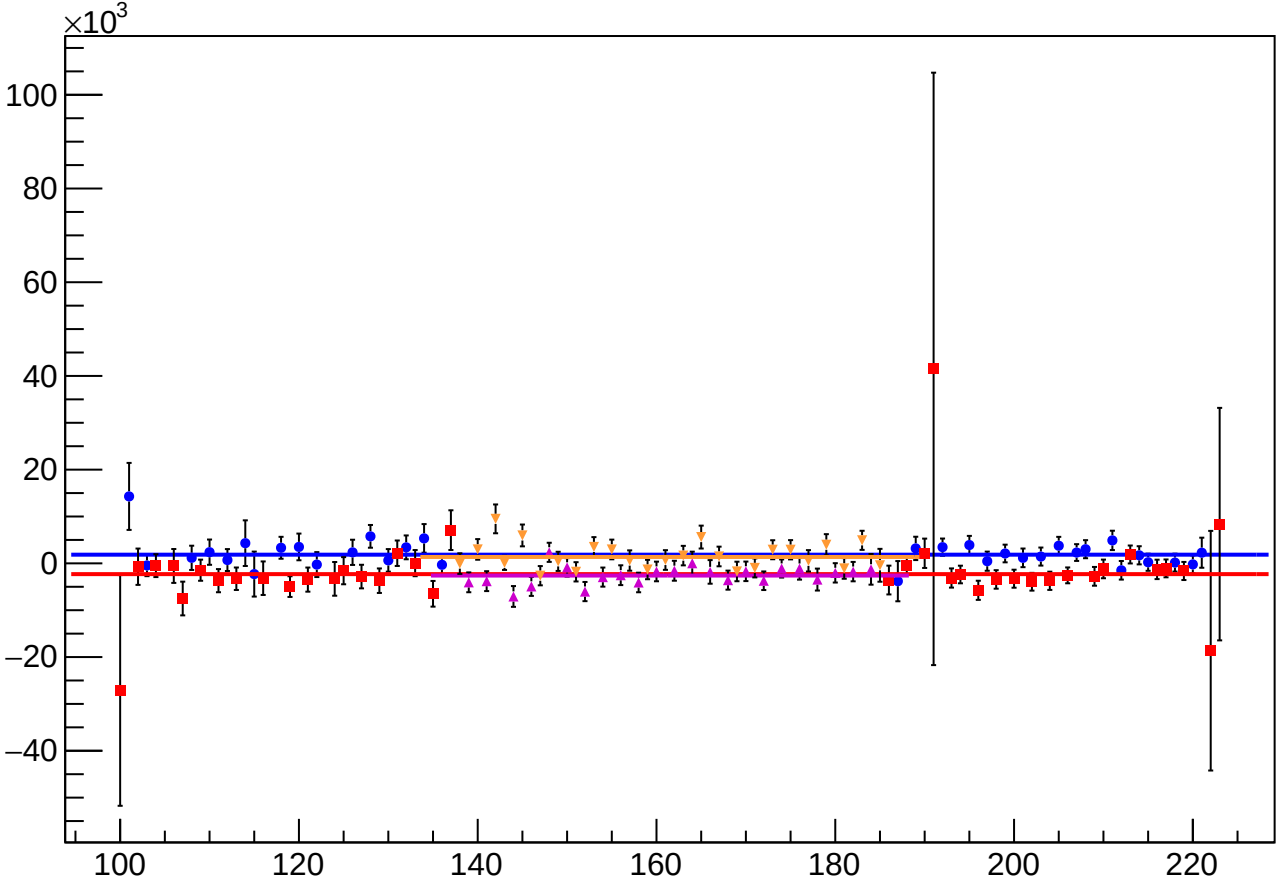
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 2462.544+/-0.357 χ^2/NDF: 33799465.3/58

All: 2407.817+/-0.246 χ^2/NDF: 67686177.9/1

- sign 2358.063+/-0.340 χ^2/NDF: 33841764.1/61

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1850.995+/-389.839 χ^2/NDF: 26.2/33

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2299.521+/-391.632 χ^2/NDF: 32.5/38

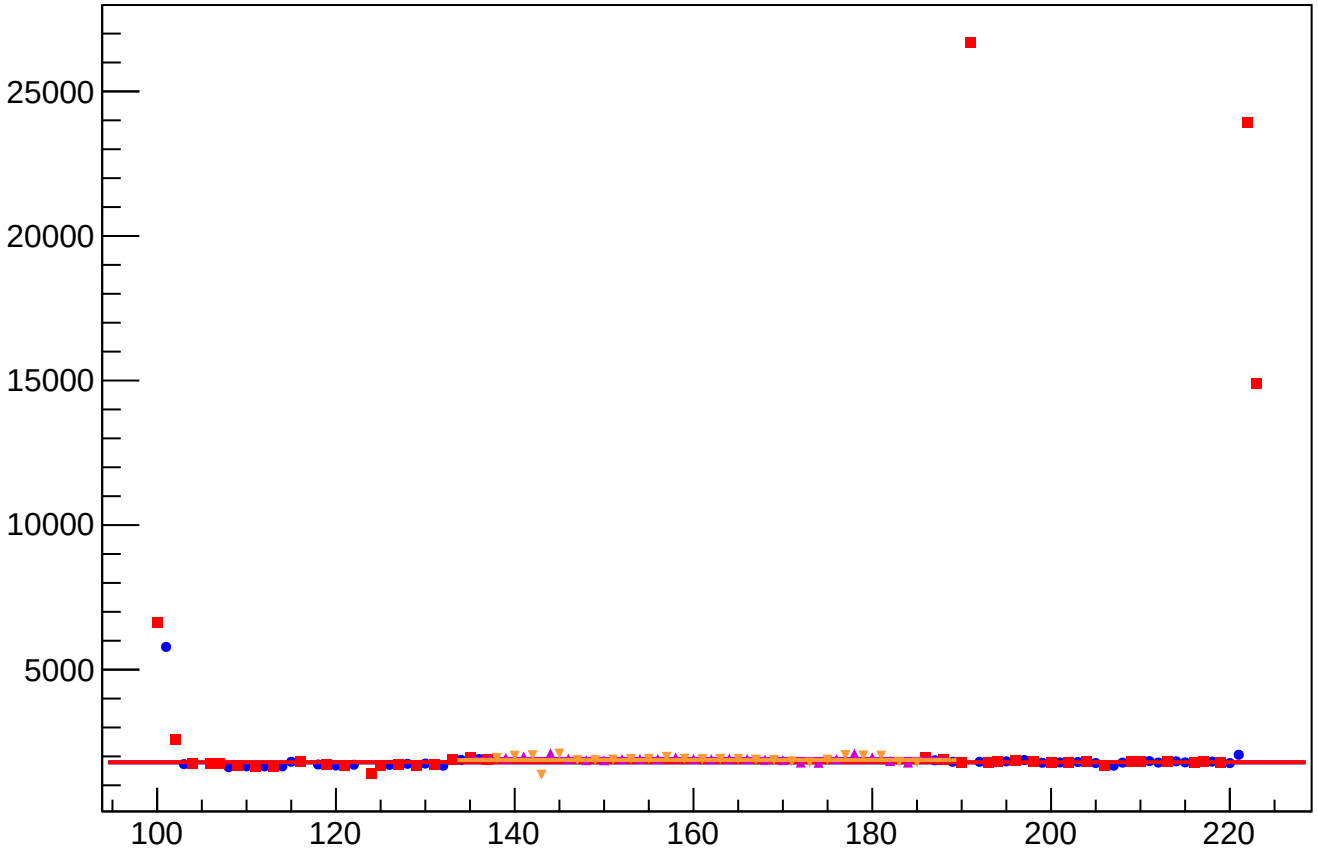
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1629.742+/-288.003 χ^2/NDF: 63.0/58

All: -355.543+/-205.905 χ^2/NDF: 213.0/120

- sign -2431.325+/-294.493 χ^2/NDF: 52.8/61

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1790.869+/-0.276 χ^2/NDF: 699181.5/33

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

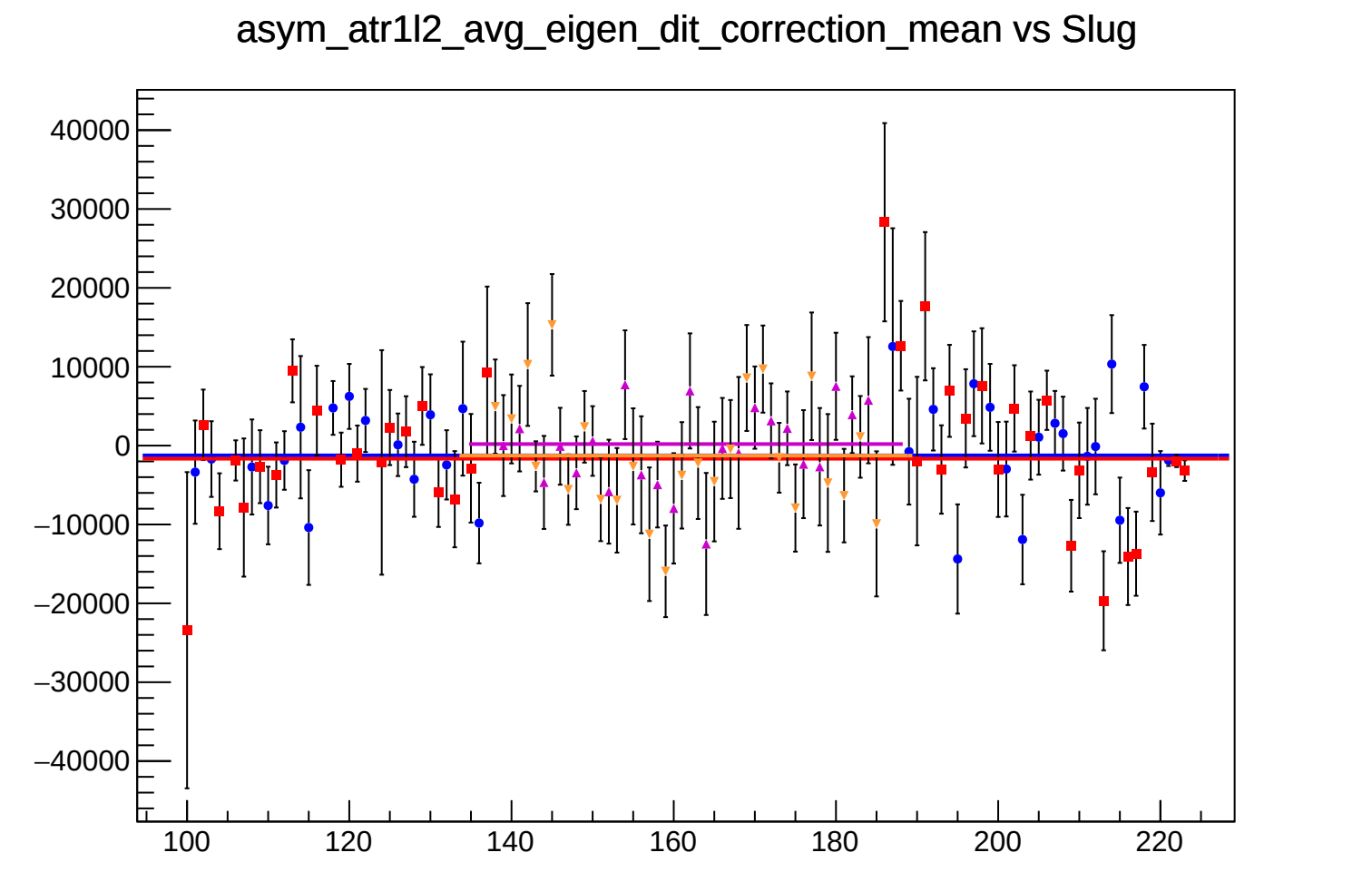
Right Out: 1799.391+/-0.277 χ^2/NDF: 2618900.0/38

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1828.255+/-0.204 χ^2/NDF: 1049415.4/58

All: 1837.924+/-0.146 χ^2/NDF: 3803247.2/12

- sign 1848.023+/-0.208 χ^2/NDF: 2749223.2/61



Right In: -1239.801+/-560.565 χ^2/NDF: 40.2/33

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -1665.606+/-522.190 χ^2/NDF: 68.6/38

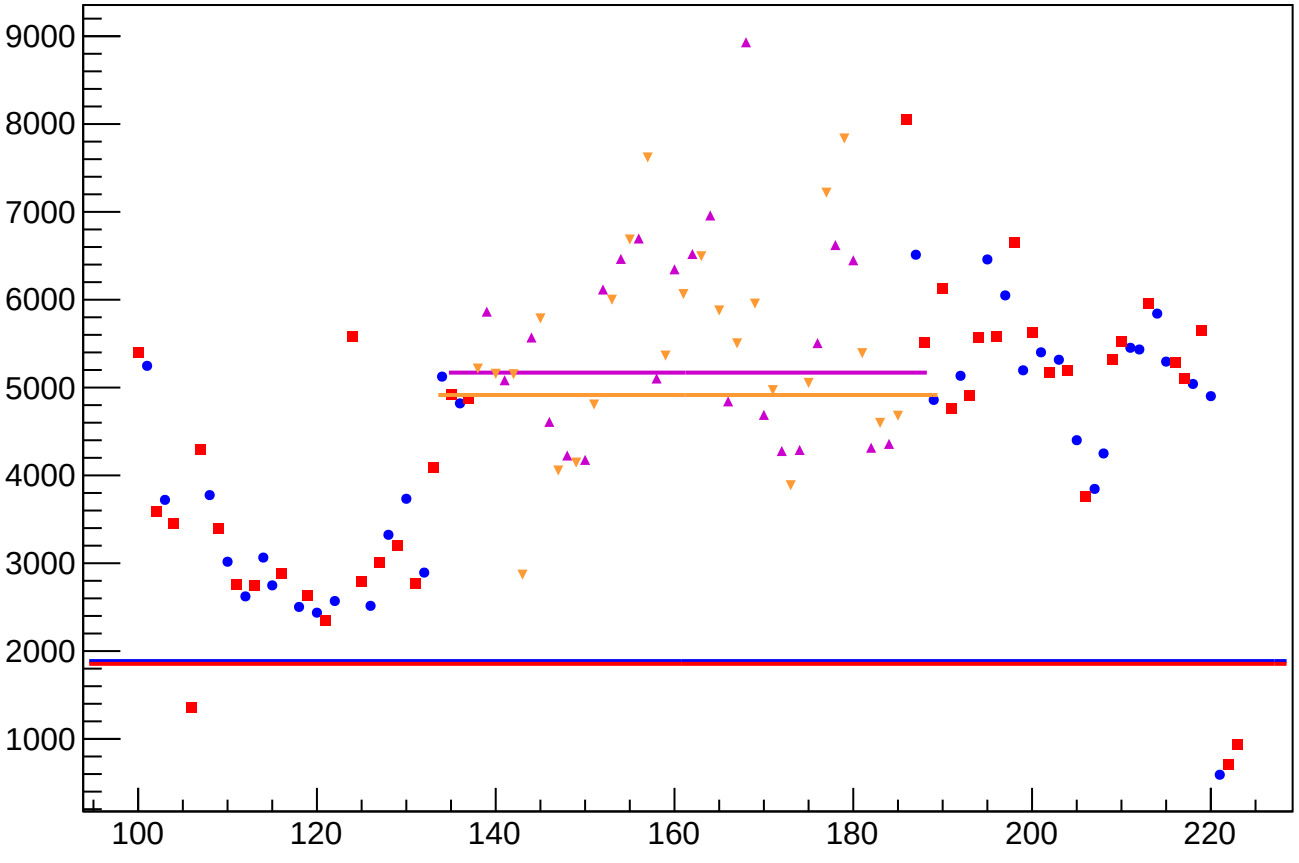
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -1245.505+/-504.401 χ^2/NDF: 73.6/58

All: -1317.496+/-348.073 χ^2/NDF: 156.9/120

- sign -1382.945+/-480.936 χ^2/NDF: 83.3/61

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 1885.928+/-0.396 χ^2/NDF: 20515895.2/33

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 1854.957+/-0.369 χ^2/NDF: 20260326.4/38

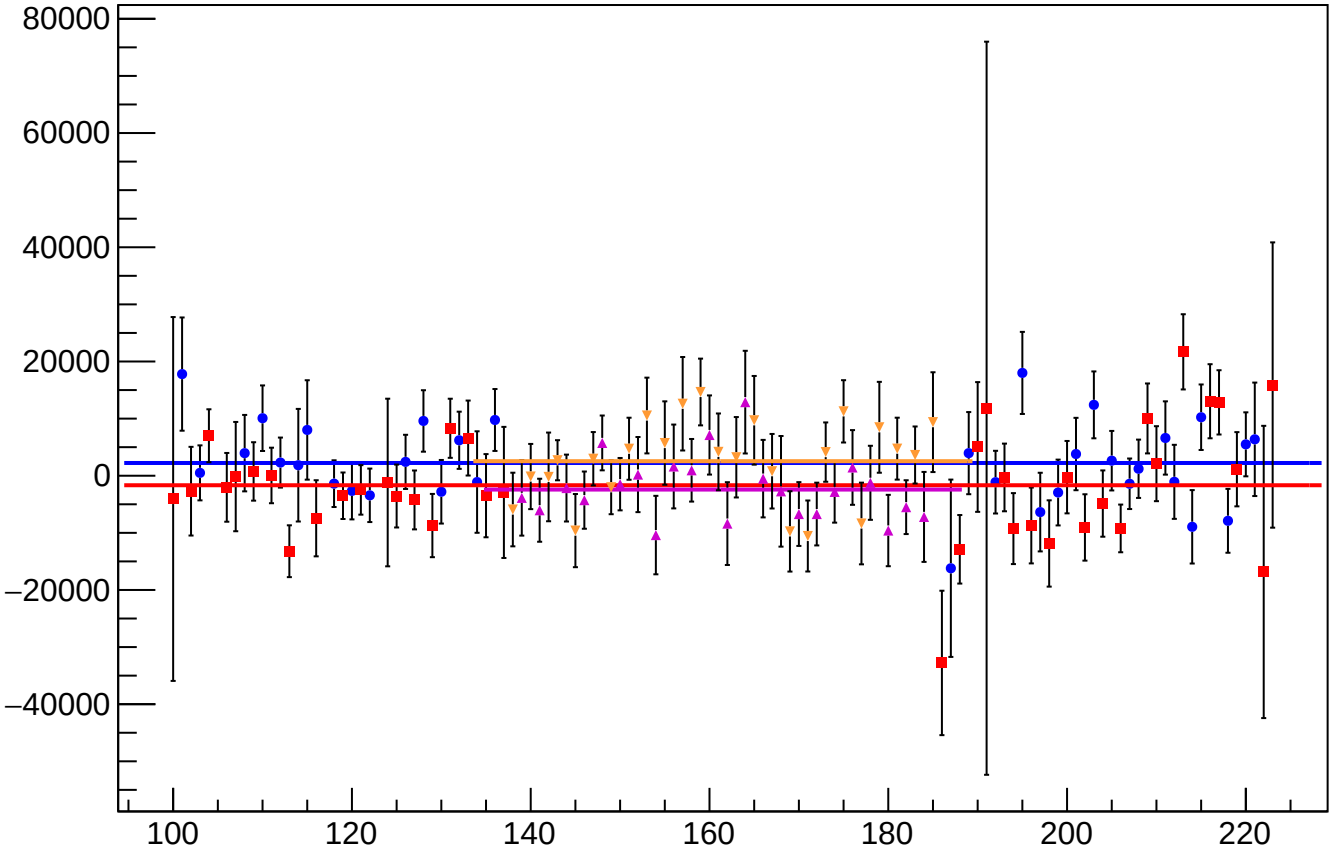
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 2462.538+/-0.357 χ^2/NDF: 33799612.3/58

All: 2407.813+/-0.246 χ^2/NDF: 67686365.2/1

- sign 2358.062+/-0.340 χ^2/NDF: 33841808.4/61

asym_atr1l2_avg_mean vs Slug



Right In: 2232.558+/-995.246 χ^2/NDF: 35.9/33

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -1665.271+/-1001.920 χ^2/NDF: 67.8/38

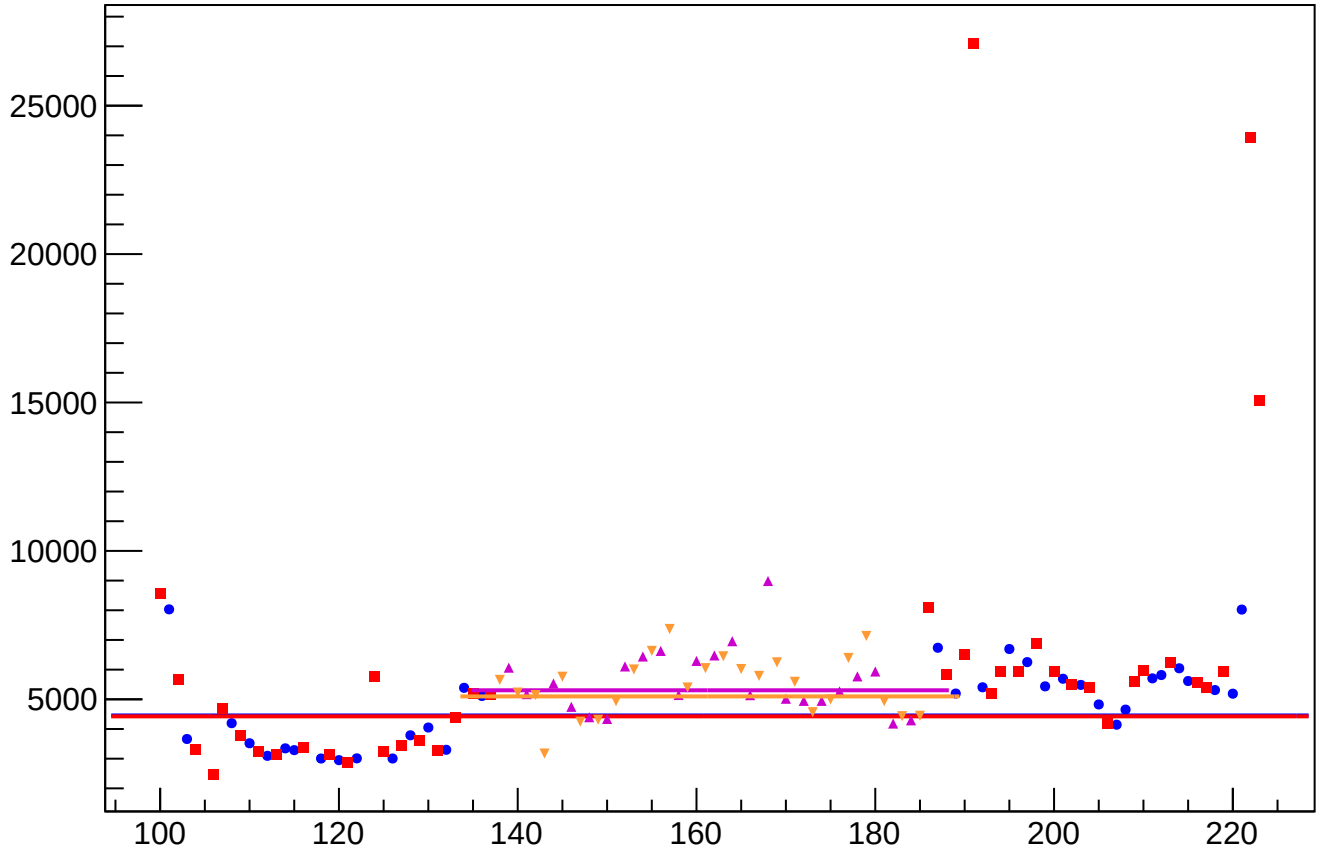
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2362.305+/-762.822 χ^2/NDF: 65.0/58

All: 261.205+/-546.773 χ^2/NDF: 163.7/120

- sign -1958.897+/-784.127 χ^2/NDF: 83.0/61

asym_atr1l2_avg_rms vs Slug



Right In: 4456.062+/-0.704 χ^2/NDF: 3016893.9/33

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

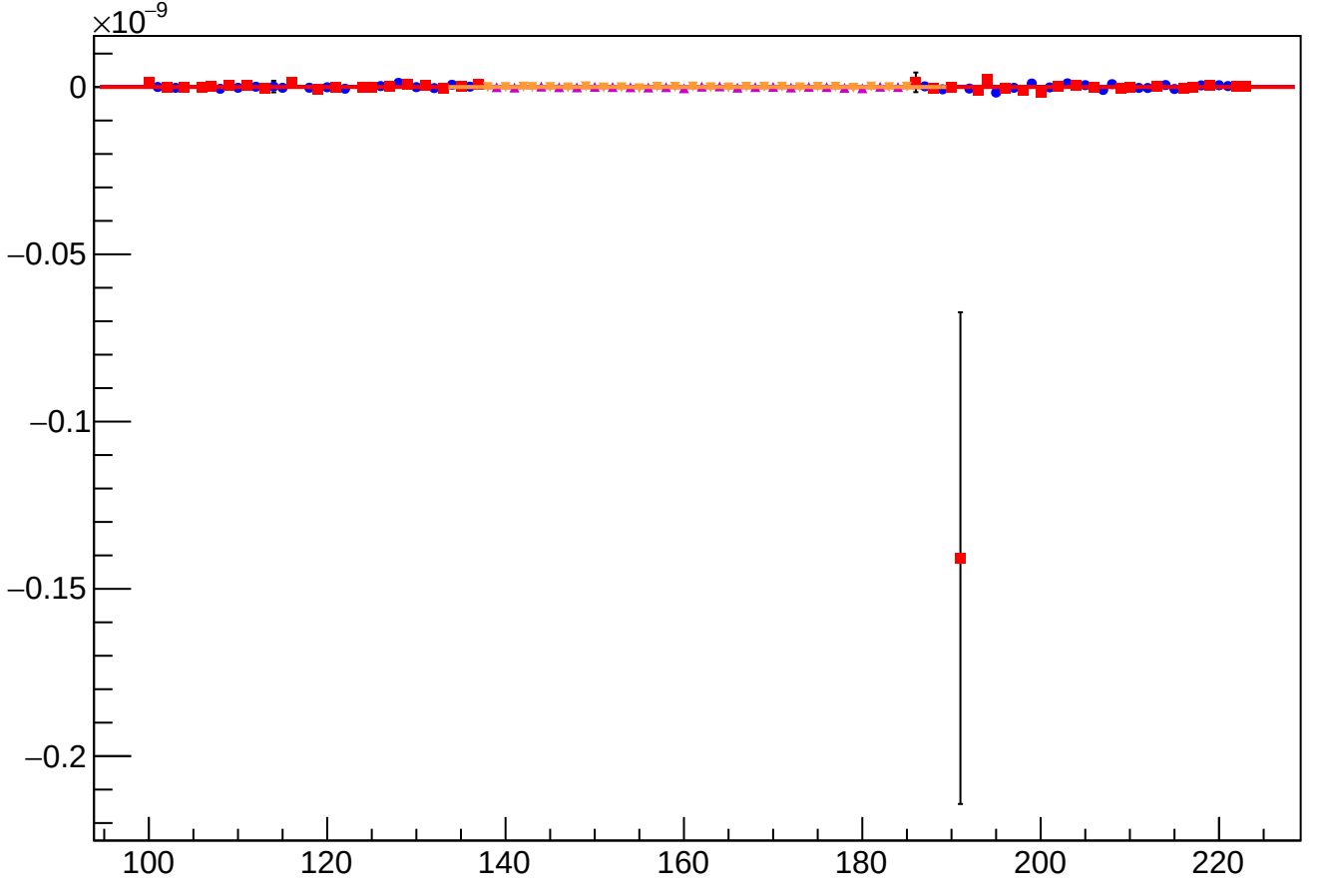
Right Out: 4425.738+/-0.702 χ^2/NDF: 5135017.4/38

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4720.879+/-0.539 χ^2/NDF: 4904525.4/58

All: 4741.231+/-0.386 χ^2/NDF: 11660173.1/1

- sign 4762.508+/-0.552 χ^2/NDF: 6752735.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 40.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

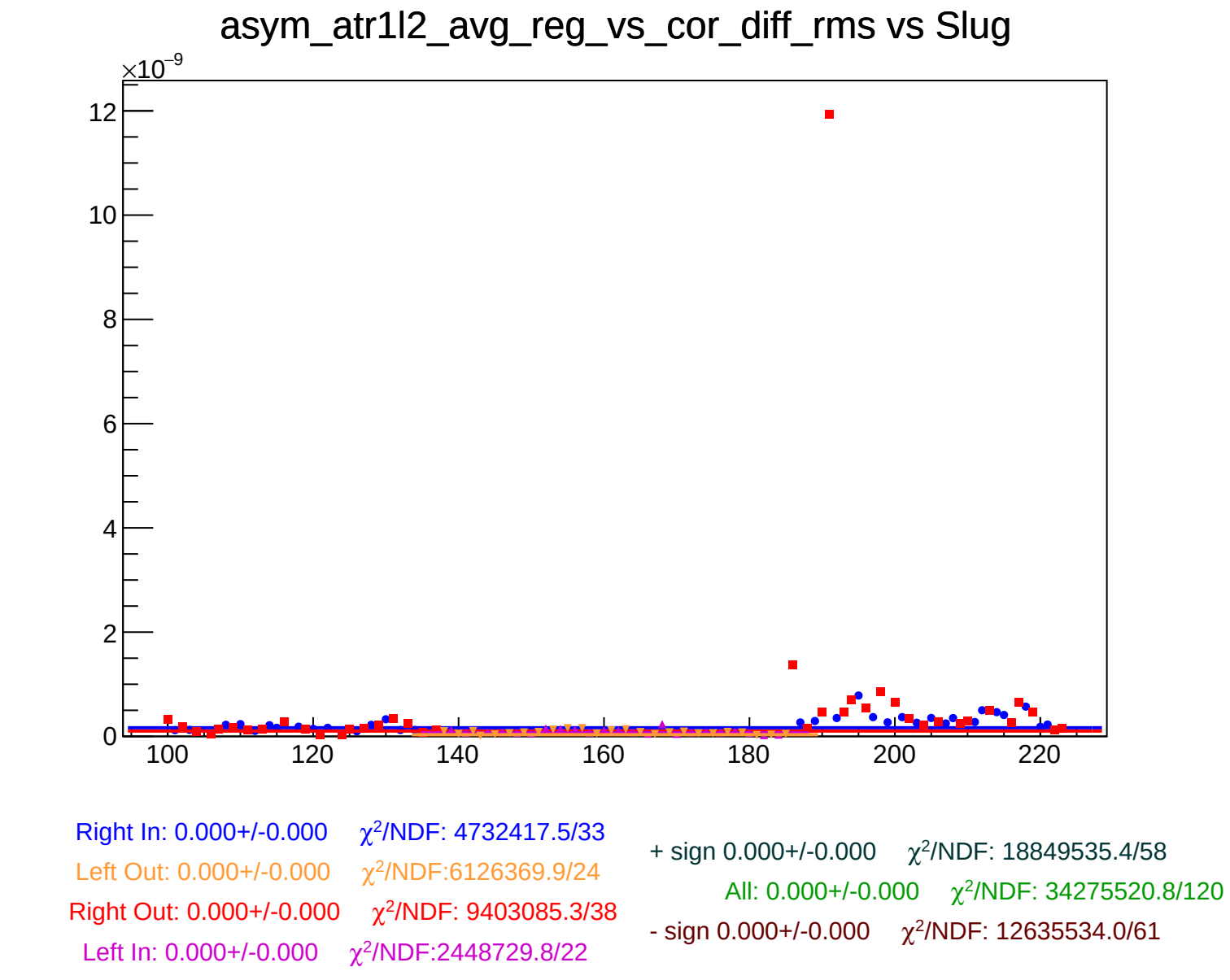
Right Out: 0.000+/-0.000 χ^2/NDF: 43.7/38

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

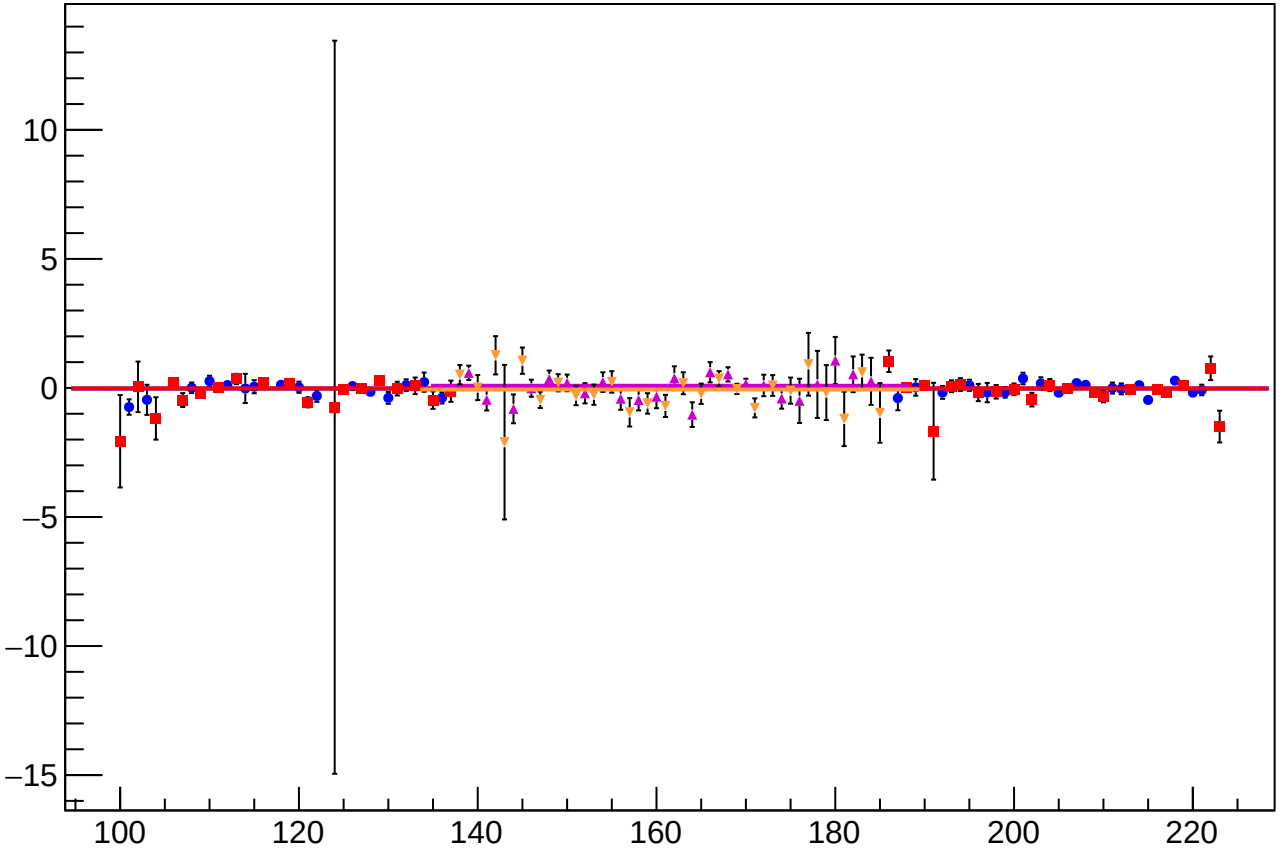
+ sign 0.000+/-0.000 χ^2/NDF: 56.6/58

All: 0.000+/-0.000 χ^2/NDF: 123.4/120

- sign 0.000+/-0.000 χ^2/NDF: 66.8/61


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 4732417.5/33
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 9403085.3/38
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
+ sign 0.000+/-0.000 χ²/NDF: 18849535.4/58
All: 0.000+/-0.000 χ²/NDF: 34275520.8/120
- sign 0.000+/-0.000 χ²/NDF: 12635534.0/61

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 54.2/38

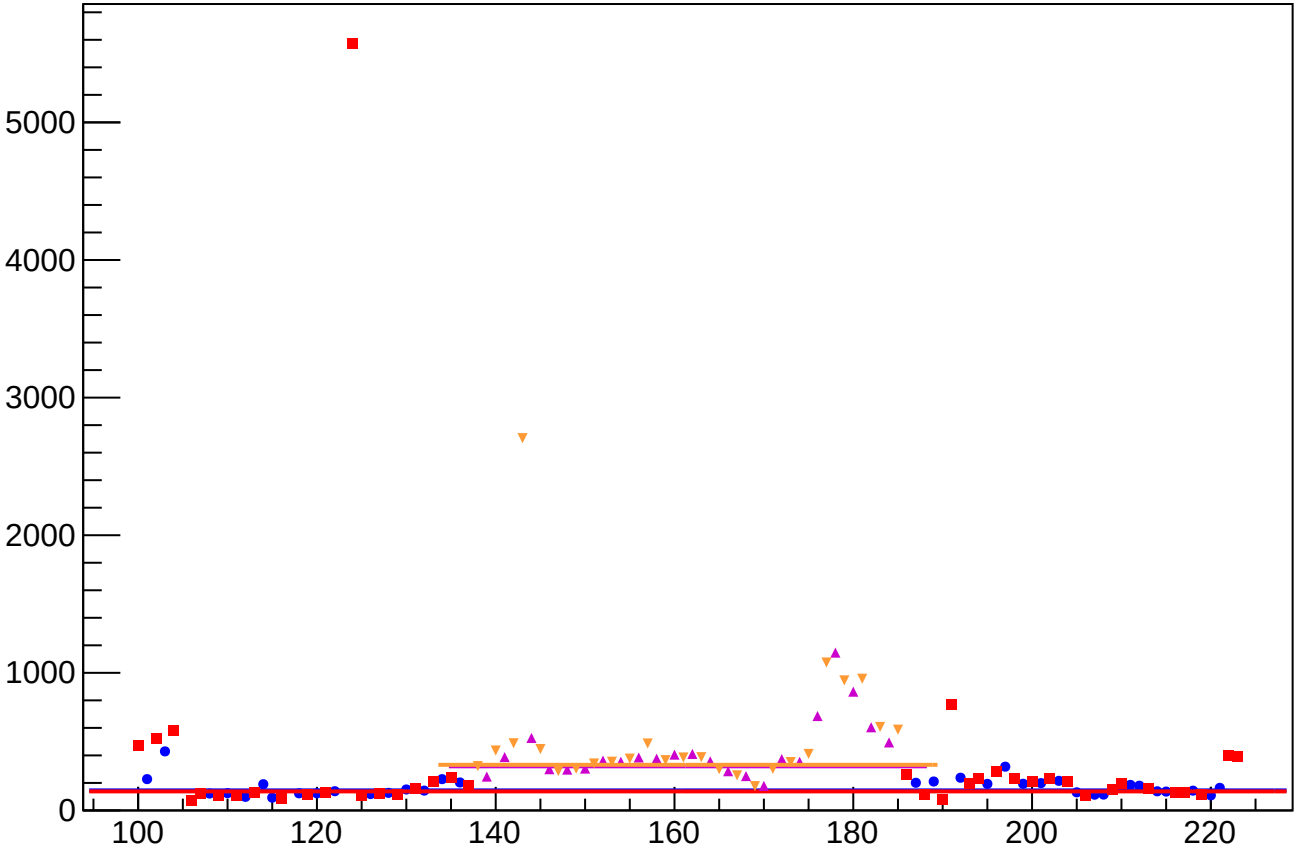
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 75.0/58

All: -0.015+/-0.022 χ^2/NDF: 157.9/120

- sign -0.004+/-0.031 χ^2/NDF: 82.6/61

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 145.715+/-0.024 χ^2/NDF: 3169580.9/33

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.511+/-0.023 χ^2/NDF: 6152742.2/38

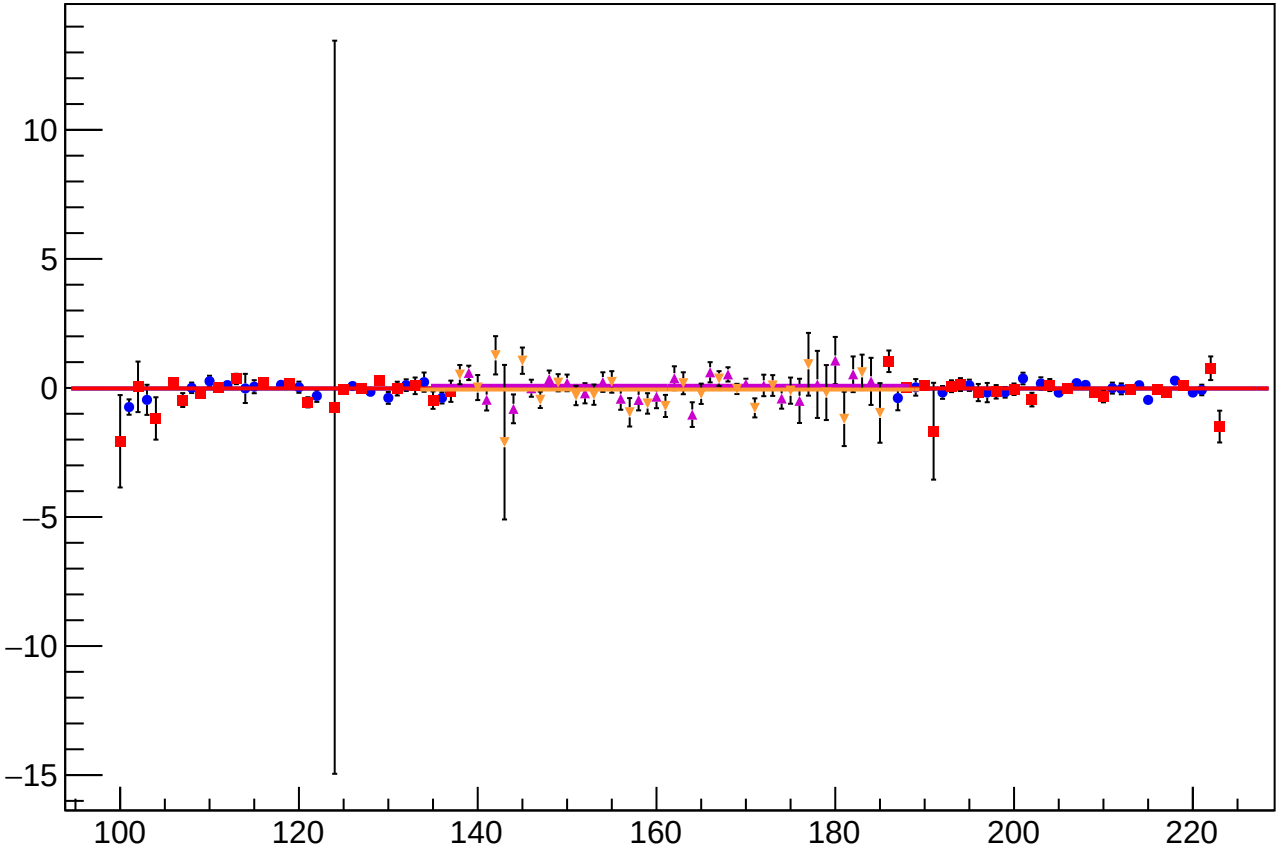
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 172.060+/-0.022 χ^2/NDF: 17480554.4/58

All: 168.159+/-0.016 χ^2/NDF: 36591015.2/12

- sign 164.472+/-0.022 χ^2/NDF: 19050810.2/61

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 54.2/38

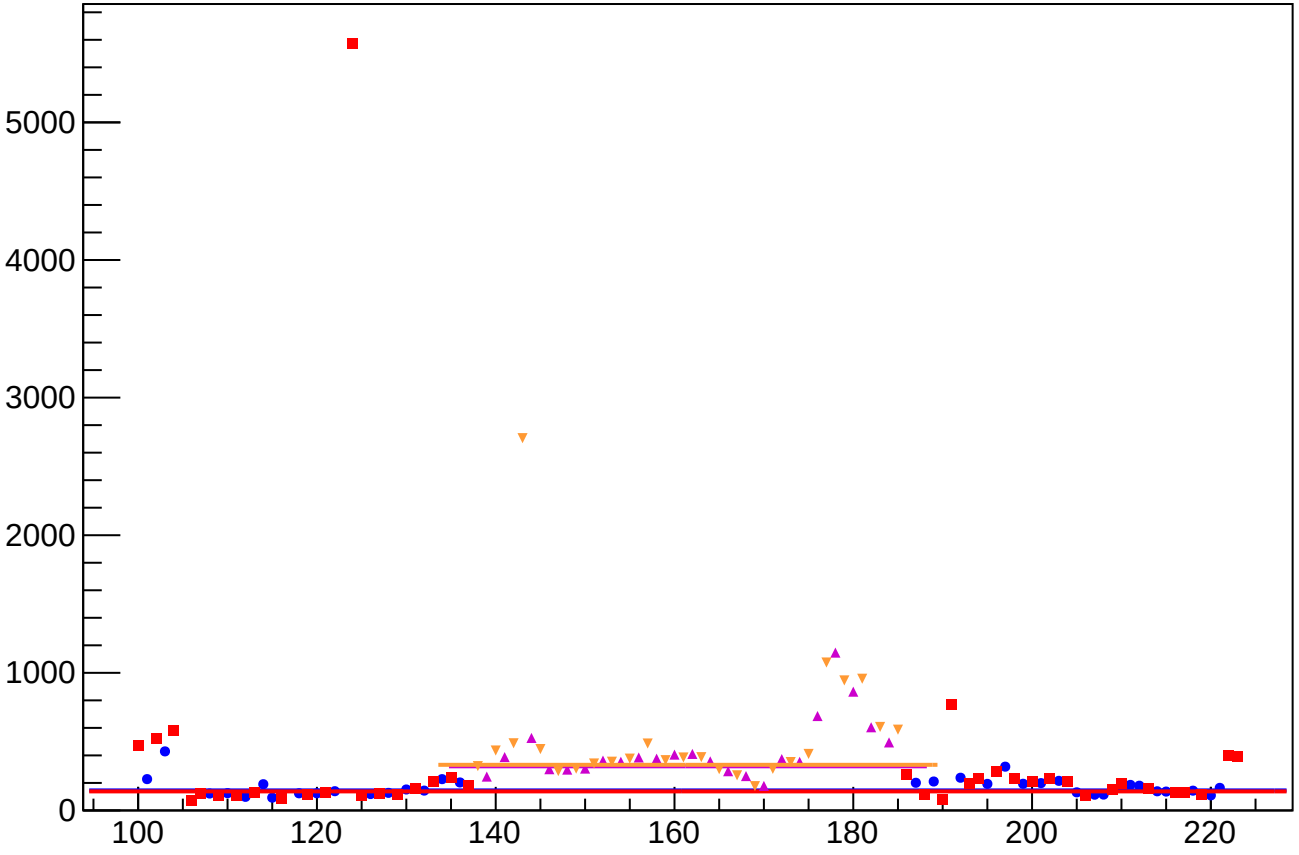
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 75.0/58

All: -0.015+/-0.022 χ^2/NDF: 157.9/120

- sign -0.004+/-0.031 χ^2/NDF: 82.6/61

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.715+/-0.024 χ^2/NDF: 3169580.9/33

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

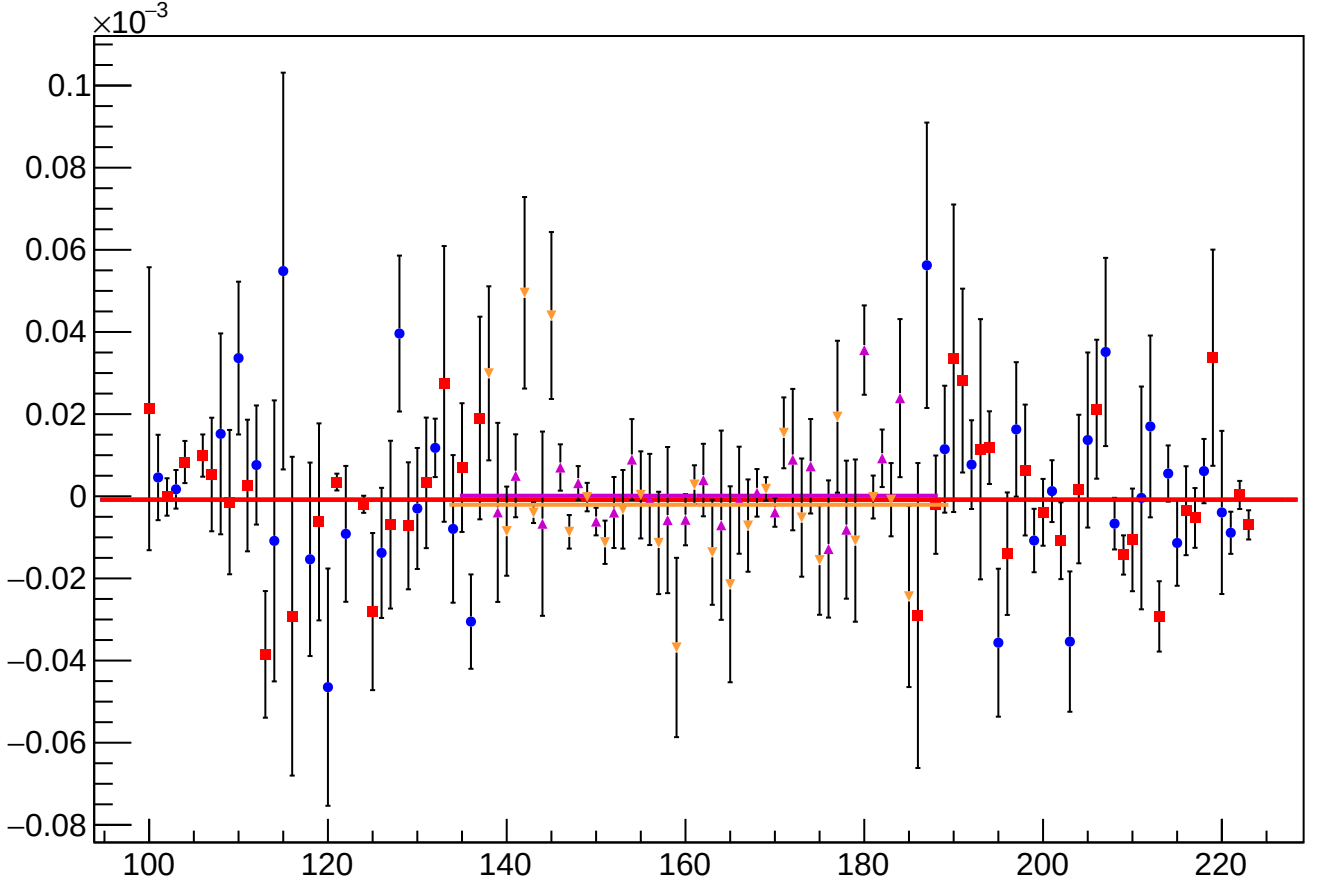
Right Out: 138.511+/-0.023 χ^2/NDF: 6152742.2/38

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 172.060+/-0.022 χ^2/NDF: 17480554.4/58

All: 168.159+/-0.016 χ^2/NDF: 36591015.2/12

- sign 164.472+/-0.022 χ^2/NDF: 19050810.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 48.7/33

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

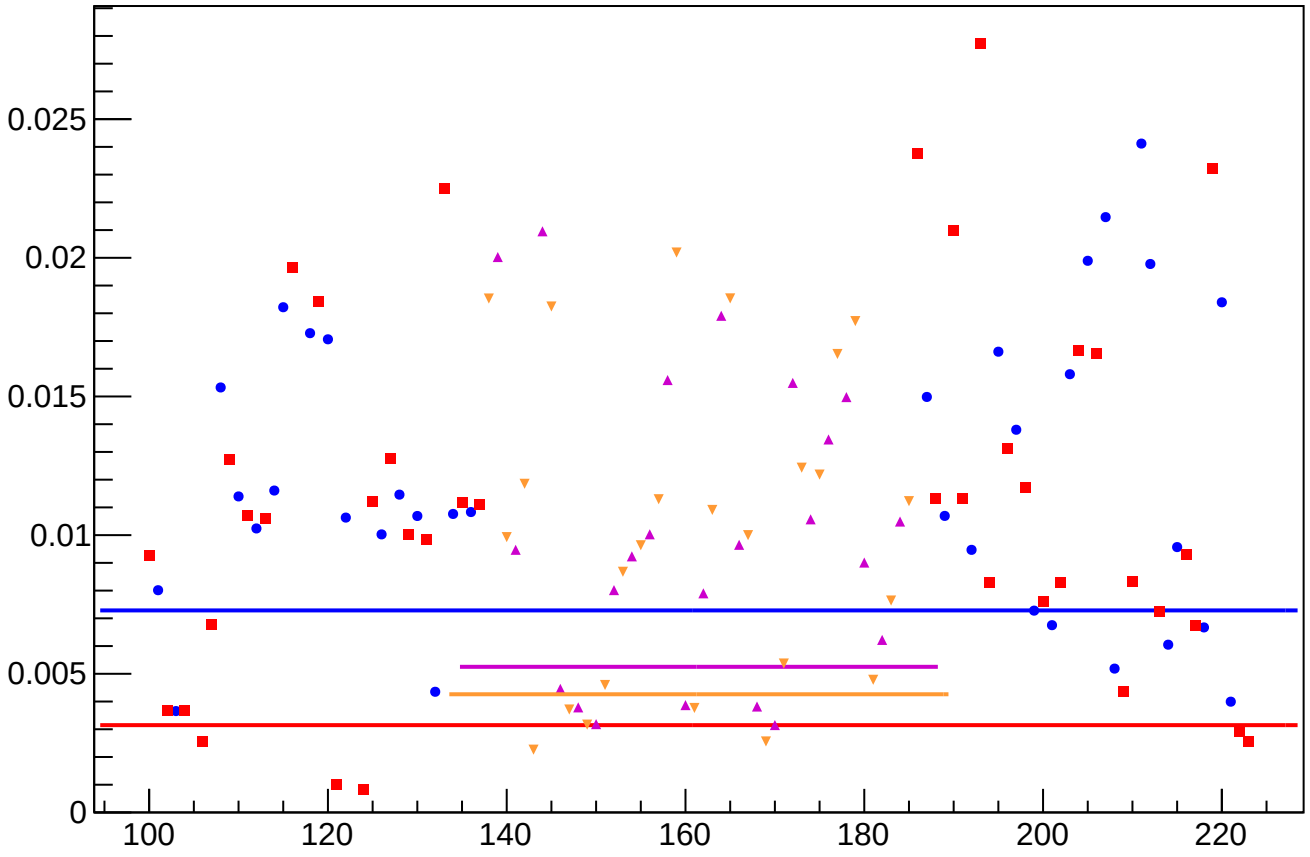
Right Out: -0.000+/-0.000 χ^2/NDF: 57.5/38

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.8/58

All: -0.000+/-0.000 χ^2/NDF: 167.3/120

- sign -0.000+/-0.000 χ^2/NDF: 82.7/61



Right In: 0.007+/-0.000 χ^2/NDF: 9630465.5/33

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23088655.7/38

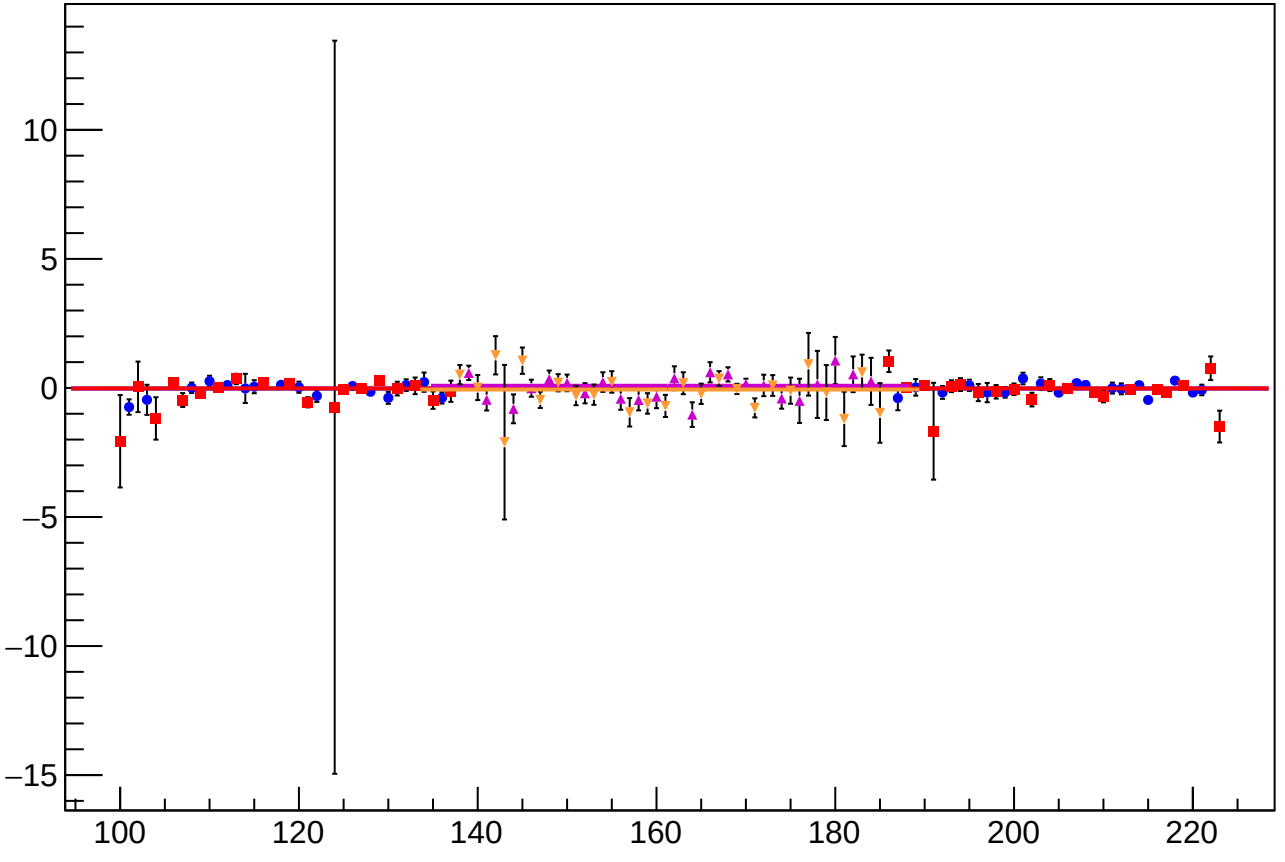
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 26274353.7/58

All: 0.004+/-0.000 χ^2/NDF: 63728035.1/120

- sign 0.004+/-0.000 χ^2/NDF: 35260101.9/61

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 54.2/38

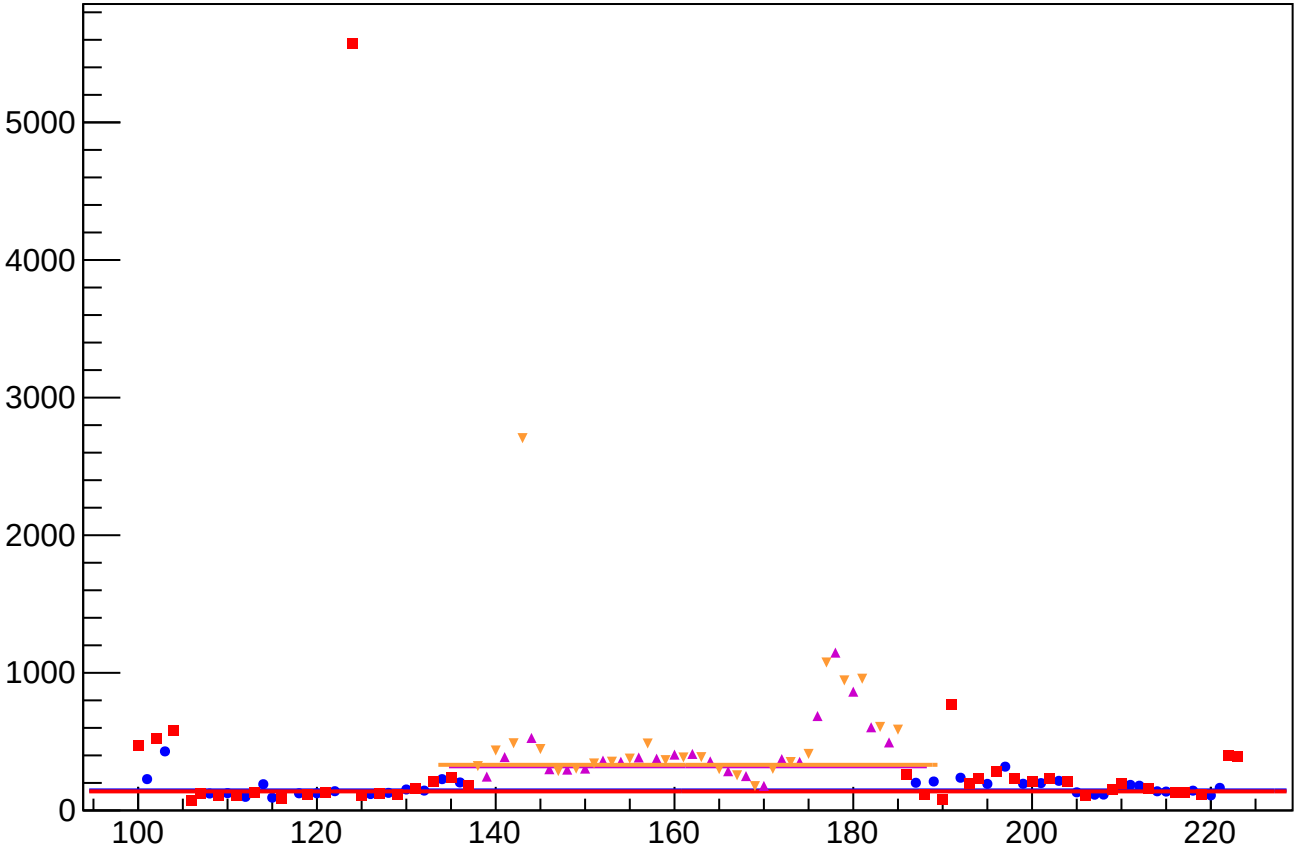
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 75.0/58

All: -0.015+/-0.022 χ^2/NDF: 157.9/120

- sign -0.004+/-0.031 χ^2/NDF: 82.6/61

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 145.714+/-0.024 χ^2/NDF: 3169577.1/33

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

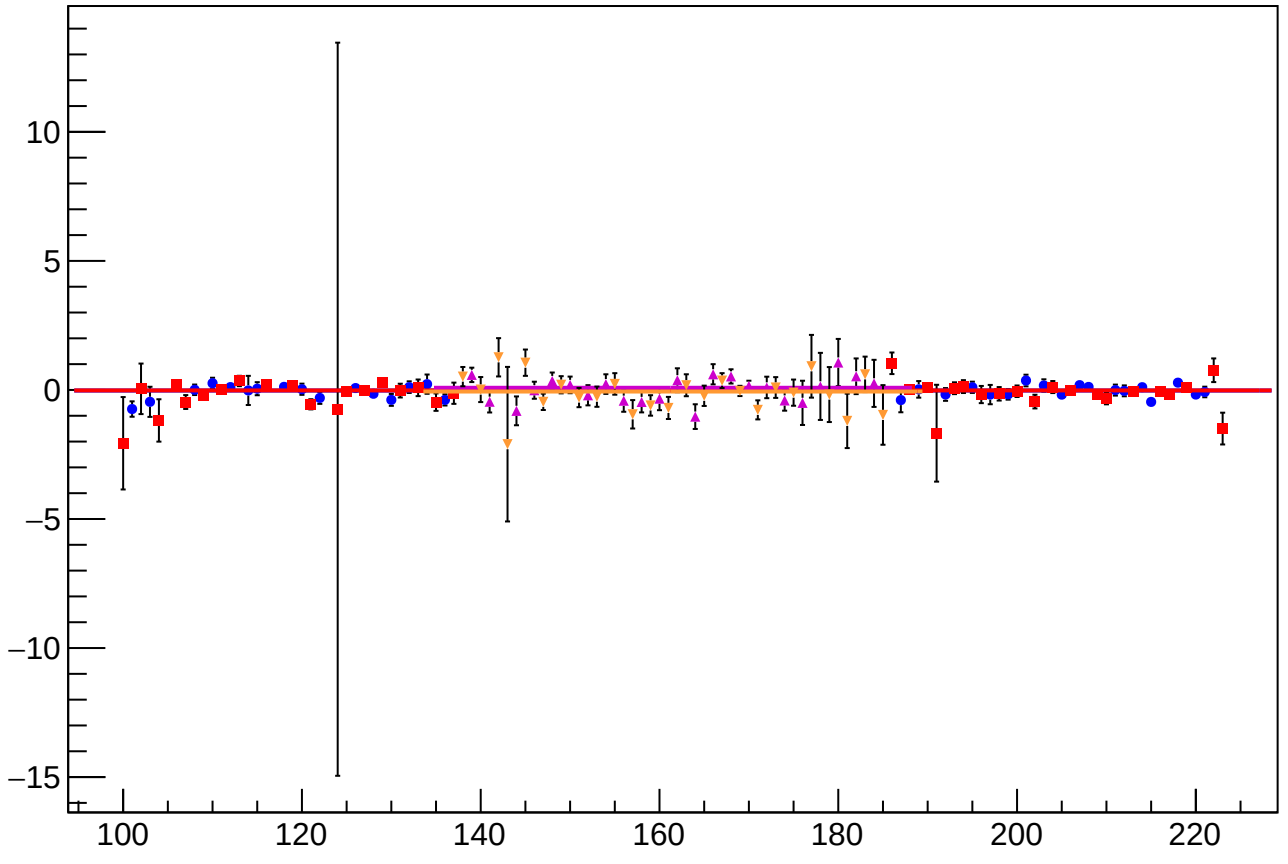
Right Out: 138.510+/-0.023 χ^2/NDF: 6152806.7/38

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 172.060+/-0.022 χ^2/NDF: 17480735.0/58

All: 168.158+/-0.016 χ^2/NDF: 36591551.9/12

- sign 164.471+/-0.022 χ^2/NDF: 19051151.4/61



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

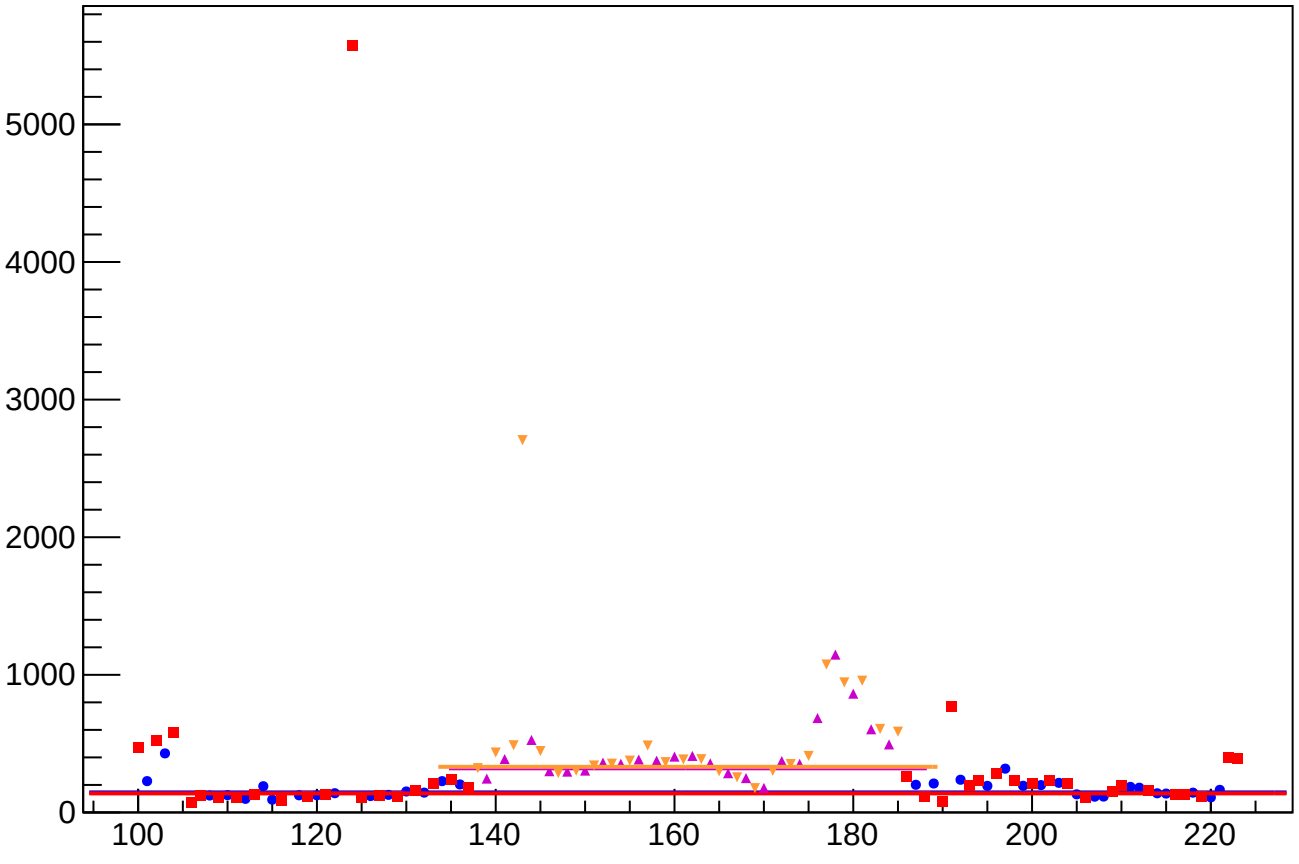
Right Out: -0.018+/-0.033 χ^2/NDF: 54.2/38

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 75.0/58

All: -0.015+/-0.022 χ^2/NDF: 157.9/120

- sign -0.004+/-0.031 χ^2/NDF: 82.6/61



Right In: 145.714+/-0.024 χ^2/NDF: 3169577.1/33

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

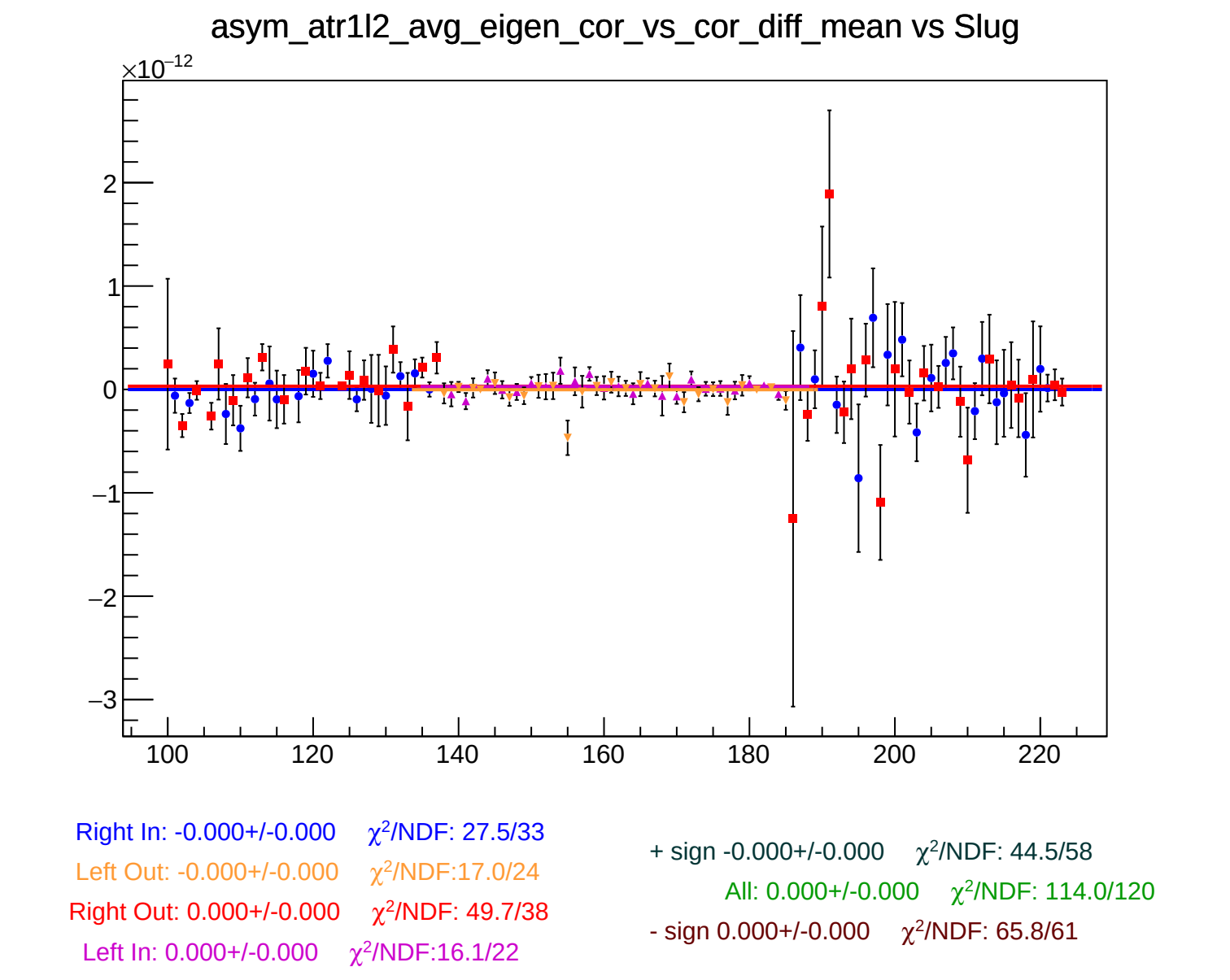
Right Out: 138.510+/-0.023 χ^2/NDF: 6152806.7/38

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

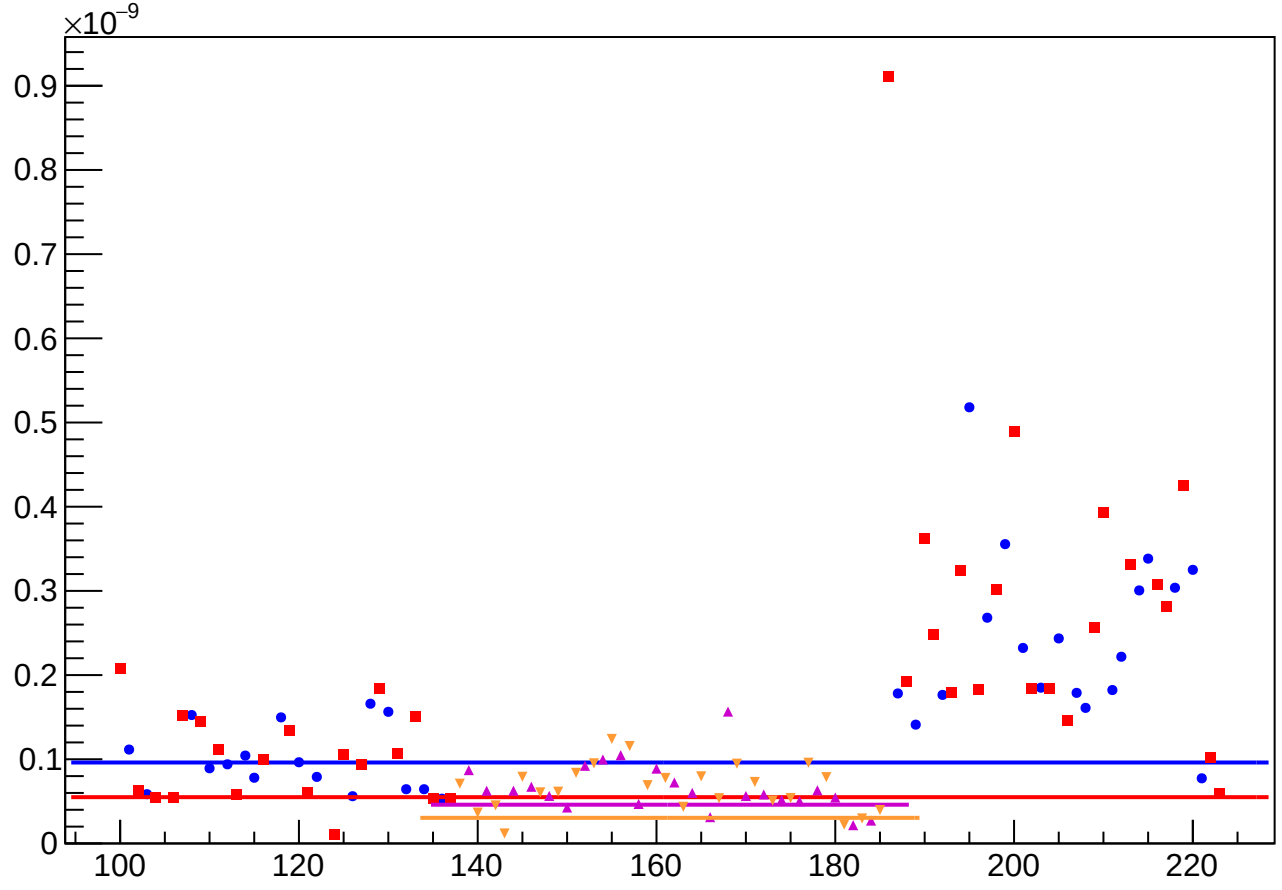
+ sign 172.060+/-0.022 χ^2/NDF: 17480735.0/58

All: 168.158+/-0.016 χ^2/NDF: 36591551.9/12

- sign 164.471+/-0.022 χ^2/NDF: 19051151.4/61


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
220
Right In: -0.000+/-0.000 χ²/NDF: 27.5/33
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 49.7/38
Left In: 0.000+/-0.000 χ²/NDF:16.1/22
+ sign -0.000+/-0.000 χ²/NDF: 44.5/58
All: 0.000+/-0.000 χ²/NDF: 114.0/120
- sign 0.000+/-0.000 χ²/NDF: 65.8/61

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7788323.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15248678.0/38

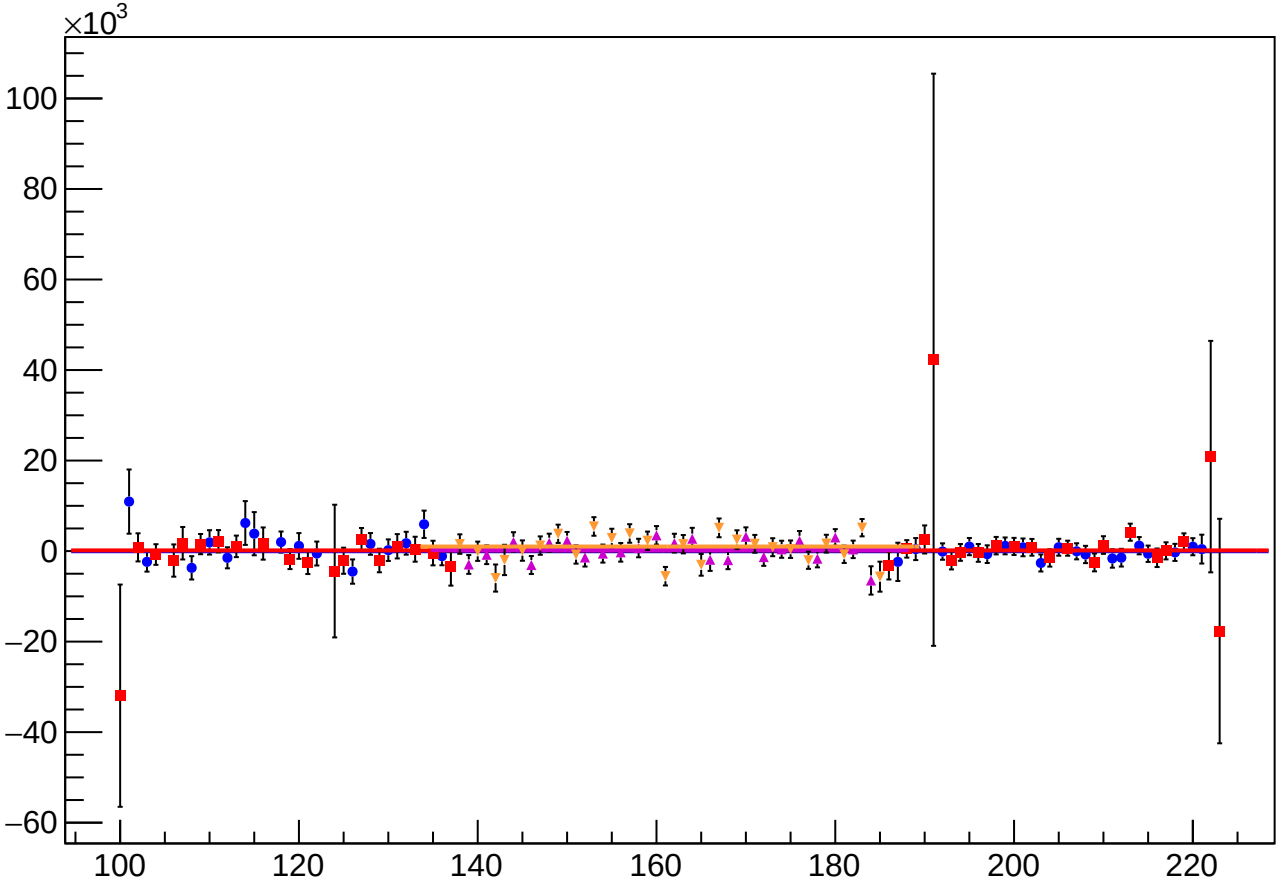
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 25550860.1/58

All: 0.000+/-0.000 χ^2/NDF: 46960742.4/120

- sign 0.000+/-0.000 χ^2/NDF: 20357286.4/61

reg_asym_atr1l2_dd_mean vs Slug



Right In: -32.646+/-384.453 χ^2/NDF: 23.3/33

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 151.339+/-387.061 χ^2/NDF: 23.7/38

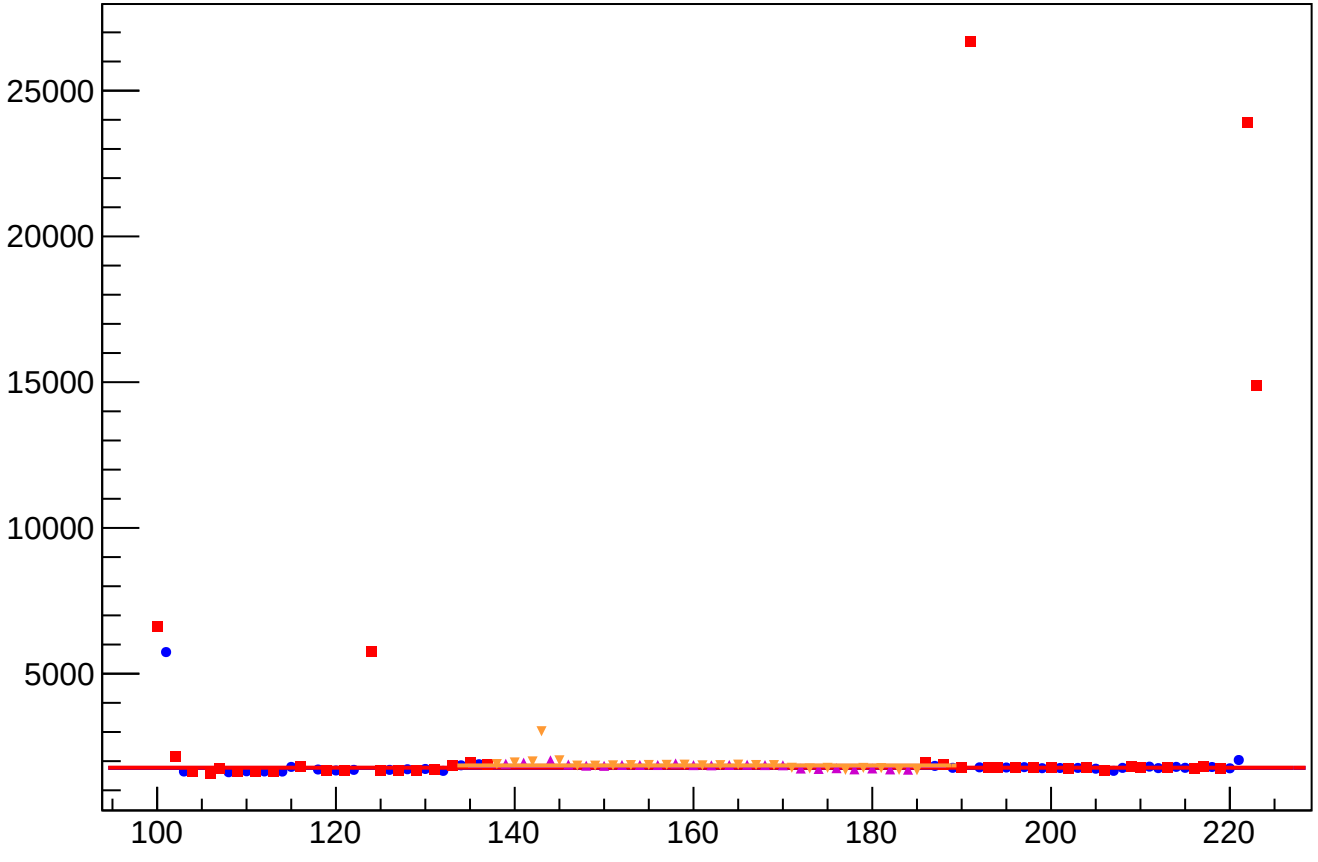
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 436.883+/-284.376 χ^2/NDF: 74.0/58

All: 312.985+/-202.211 χ^2/NDF: 124.4/120

- sign 186.270+/-287.590 χ^2/NDF: 50.0/61

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1766.367+/-0.272 χ^2/NDF: 695933.6/33

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1775.654+/-0.273 χ^2/NDF: 2707328.6/38

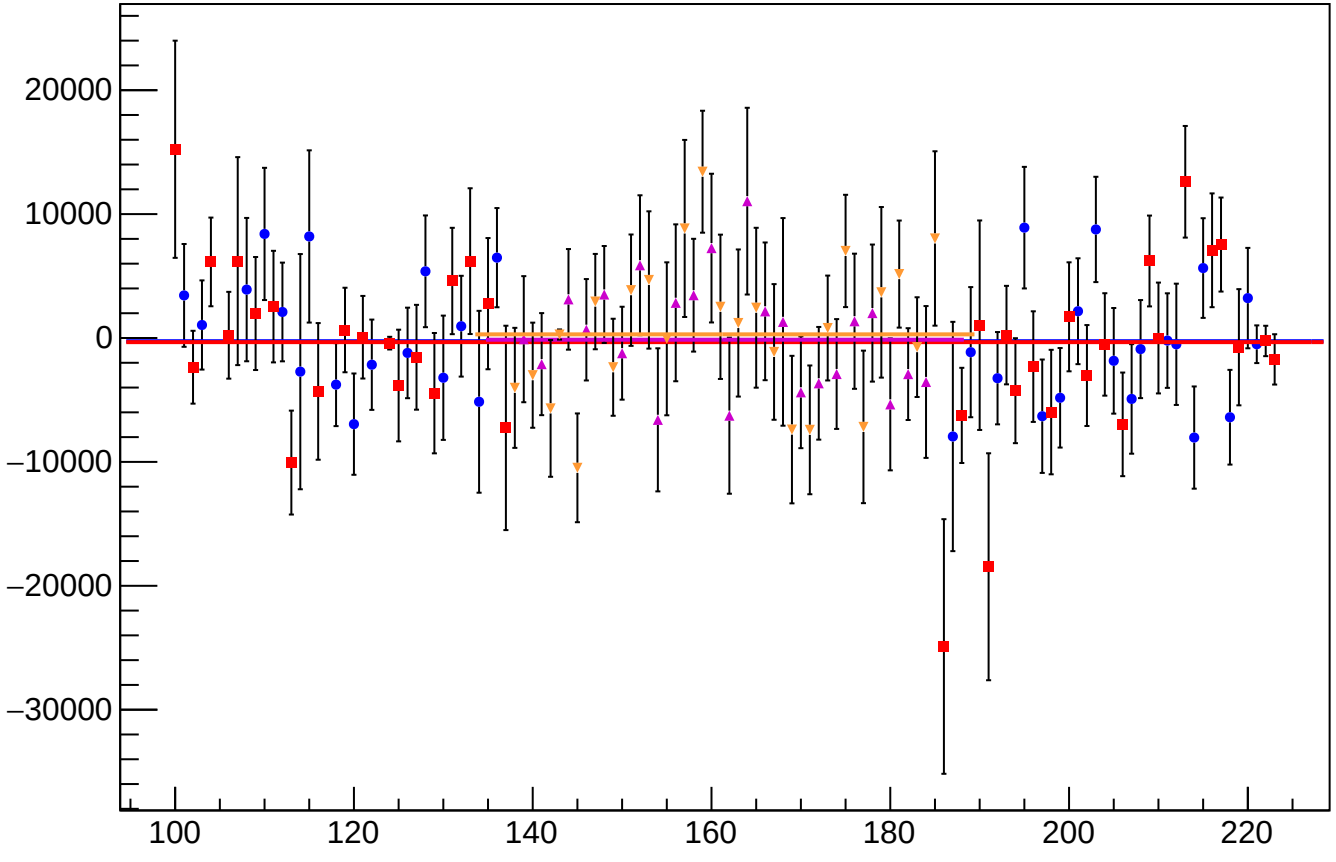
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.388+/-0.201 χ^2/NDF: 1062470.5/58

All: 1804.571+/-0.143 χ^2/NDF: 3862004.4/12

- sign 1803.737+/-0.203 χ^2/NDF: 2799500.6/61

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -257.893+/-679.094 χ^2/NDF: 38.4/33

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -333.334+/-390.684 χ^2/NDF: 55.6/38

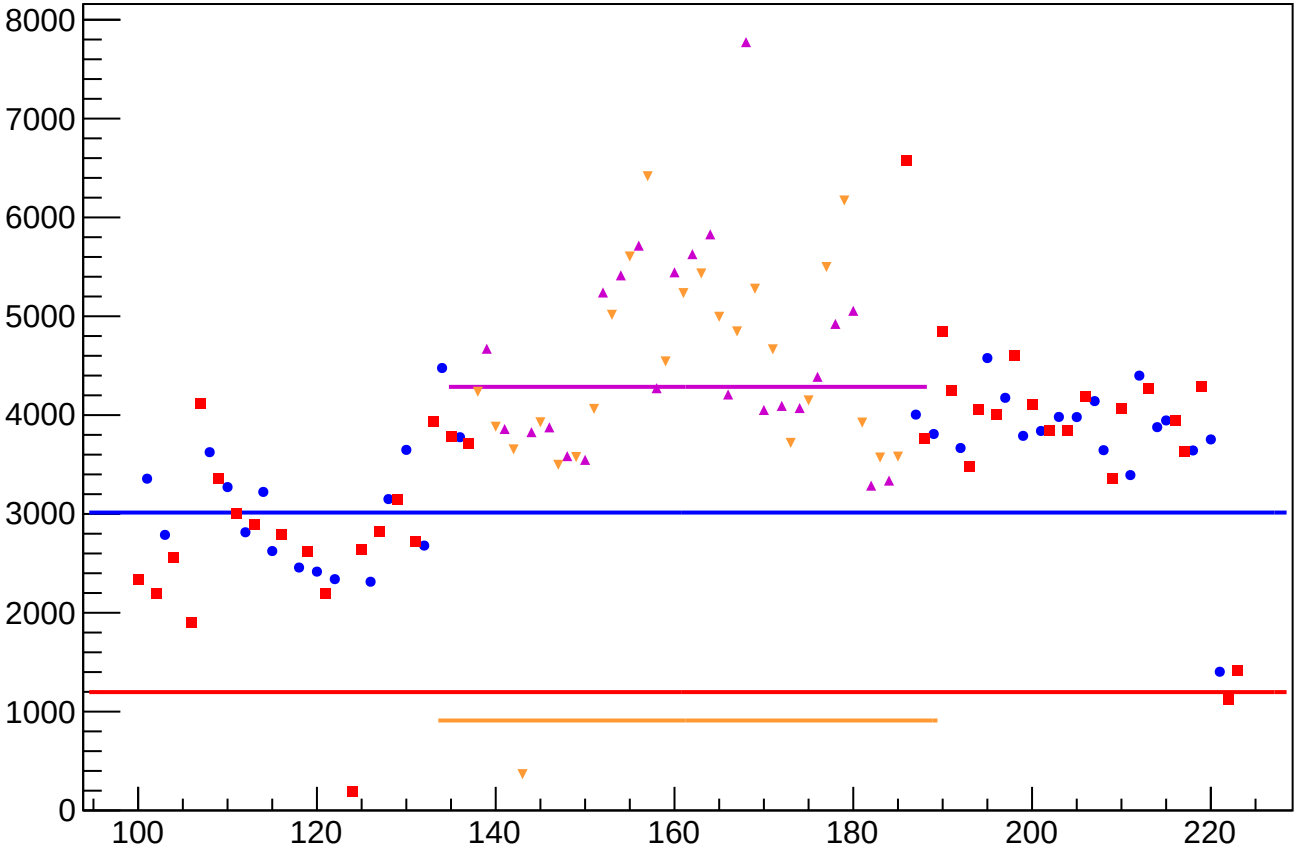
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 162.750+/-331.561 χ^2/NDF: 68.9/58

All: -50.329+/-245.413 χ^2/NDF: 139.4/120

- sign -308.513+/-364.971 χ^2/NDF: 69.5/61

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3013.989+/-0.480 χ^2/NDF: 4234701.4/33

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1197.436+/-0.276 χ^2/NDF: 26391247.1/38

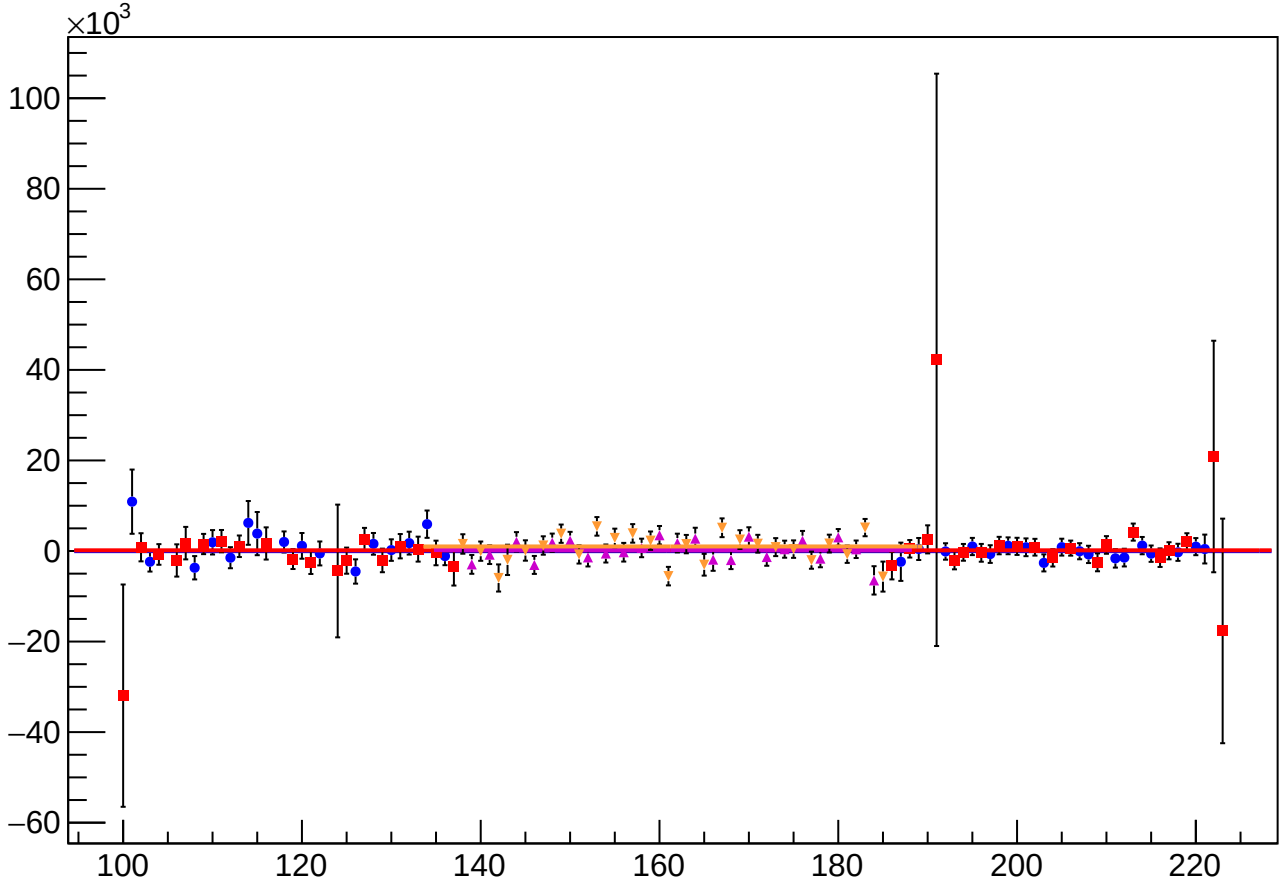
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1411.649+/-0.234 χ^2/NDF: 45628590.6/58

All: 1492.551+/-0.174 χ^2/NDF: 89520836.6/1

- sign 1590.577+/-0.258 χ^2/NDF: 43628894.3/61

cor_asym_atr1l2_dd_mean vs Slug



Right In: -32.819+/-384.453 χ^2/NDF: 23.3/33

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 151.342+/-387.061 χ^2/NDF: 23.7/38

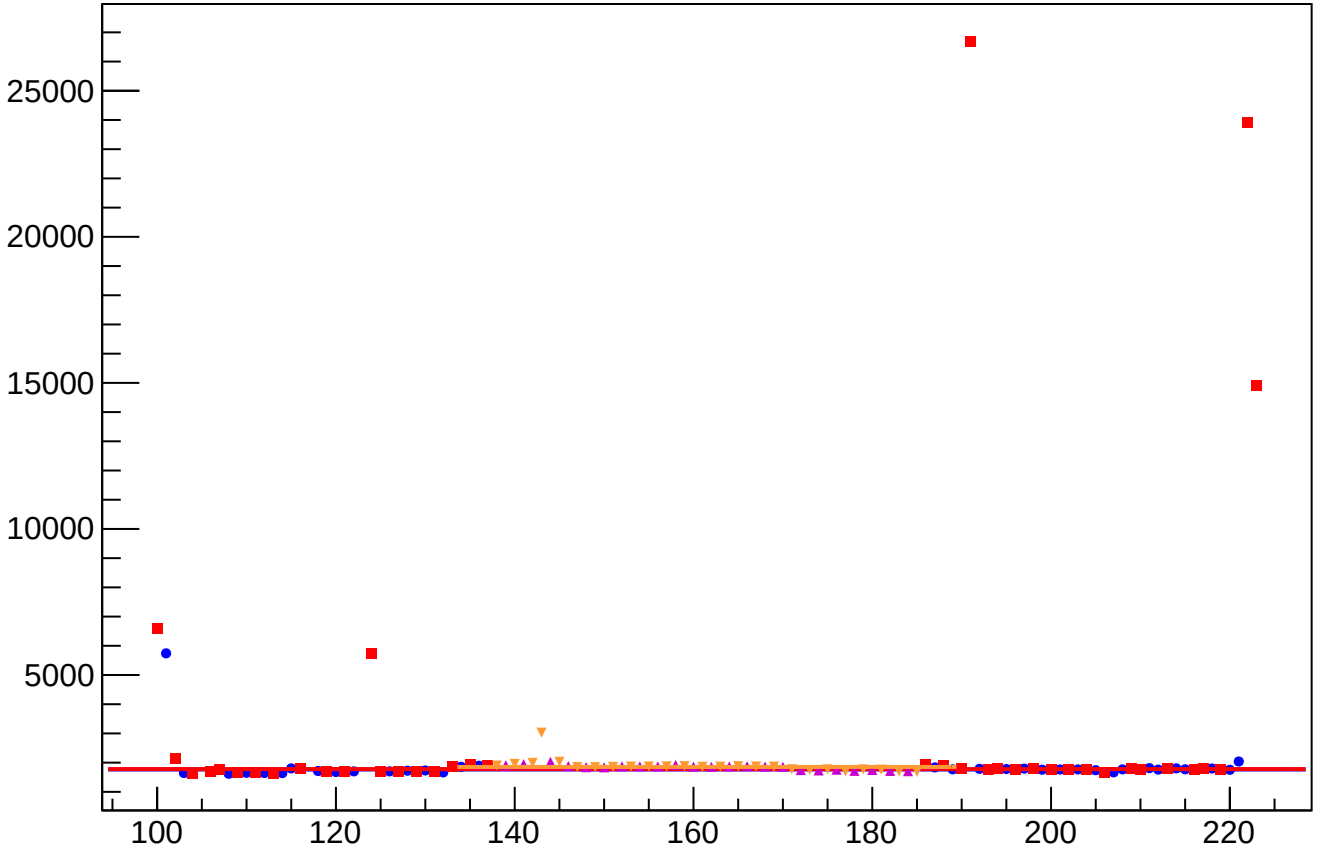
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 436.770+/-284.376 χ^2/NDF: 73.9/58

All: 312.909+/-202.211 χ^2/NDF: 124.4/120

- sign 186.234+/-287.590 χ^2/NDF: 50.0/61

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1766.366+/-0.272 χ^2/NDF: 695933.8/33

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1778.096+/-0.273 χ^2/NDF: 2698562.7/38

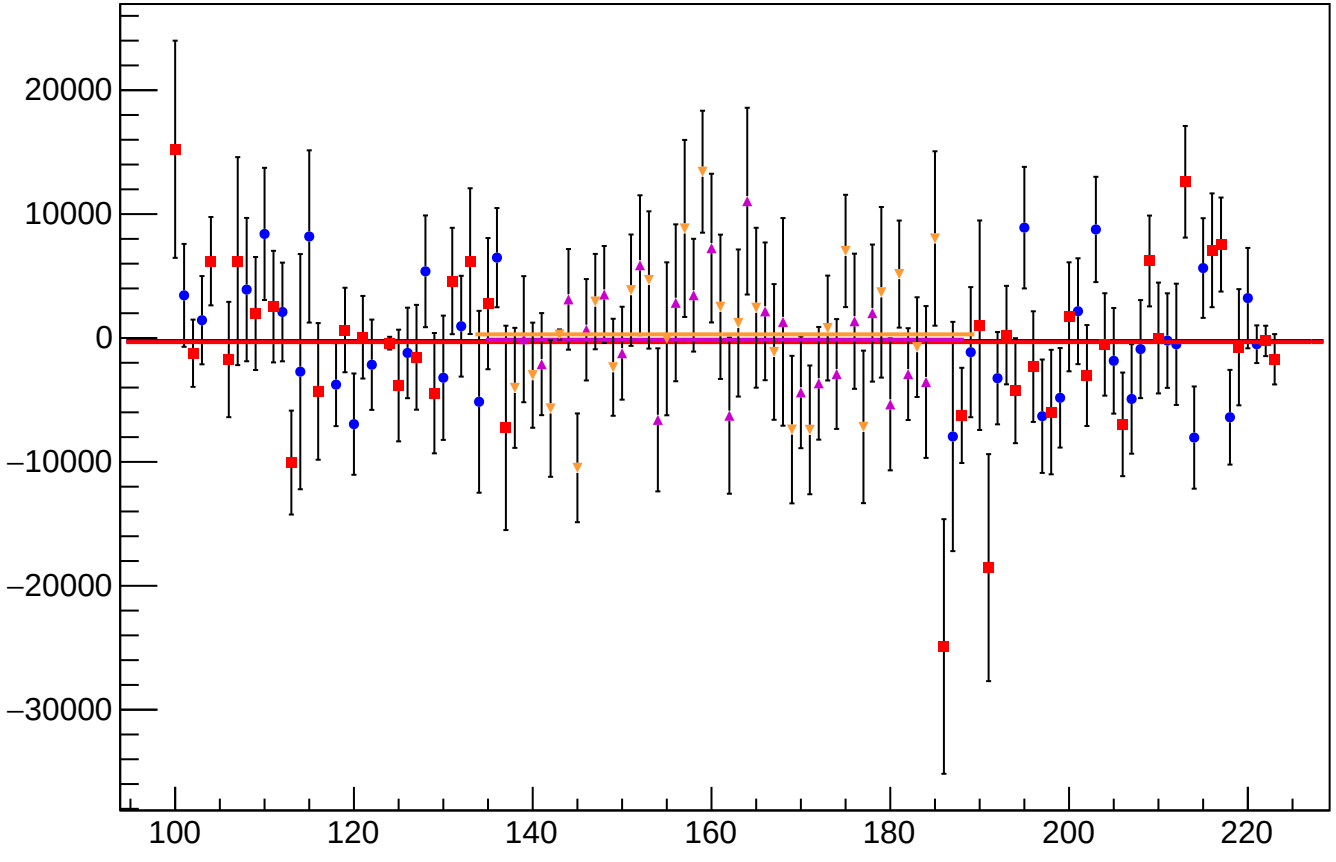
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.388+/-0.201 χ^2/NDF: 1062470.8/58

All: 1805.259+/-0.143 χ^2/NDF: 3851376.7/12

- sign 1805.127+/-0.203 χ^2/NDF: 2788905.1/61

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: -242.892+/-678.853 χ^2/NDF: 38.5/33

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -331.111+/-391.254 χ^2/NDF: 55.4/38

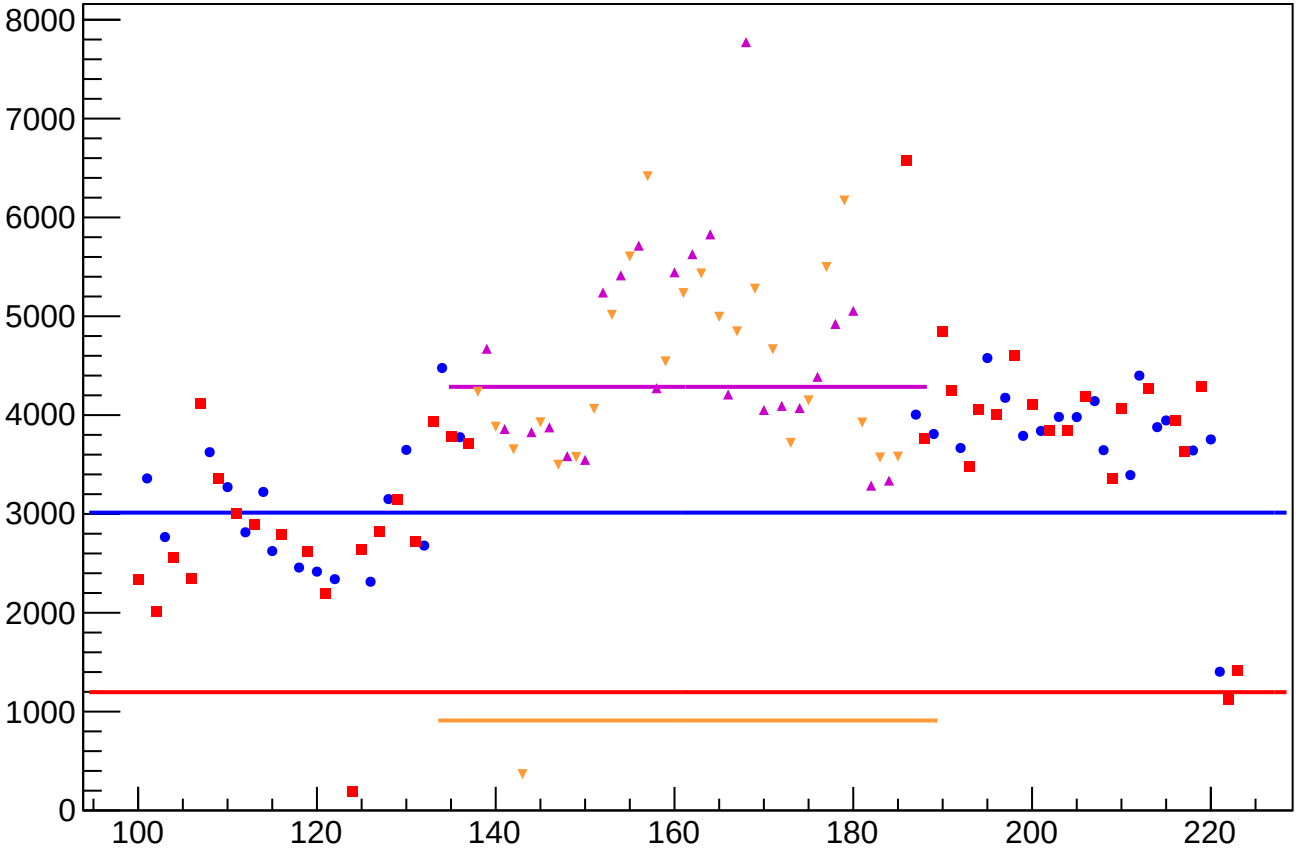
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 166.928+/-331.553 χ^2/NDF: 69.0/58

All: -46.825+/-245.550 χ^2/NDF: 139.3/120

- sign -306.500+/-365.436 χ^2/NDF: 69.3/61

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3013.086+/-0.480 χ^2/NDF: 4236585.4/33

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1196.700+/-0.277 χ^2/NDF: 26367941.3/38

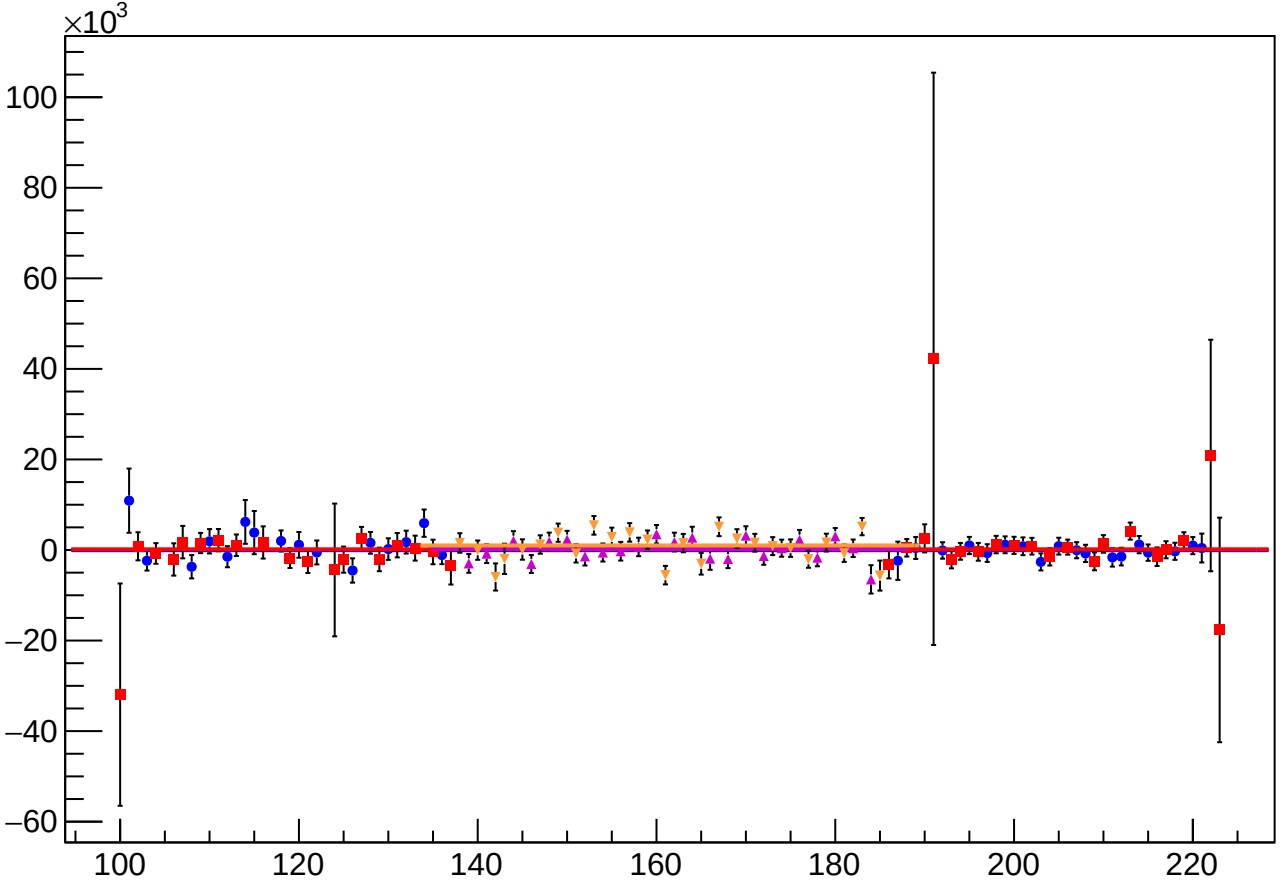
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1411.854+/-0.234 χ^2/NDF: 45622484.3/58

All: 1492.710+/-0.174 χ^2/NDF: 89493158.1/1

- sign 1590.938+/-0.258 χ^2/NDF: 43607225.0/61

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -32.819+/-384.453 χ^2/NDF: 23.3/33

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 151.342+/-387.061 χ^2/NDF: 23.7/38

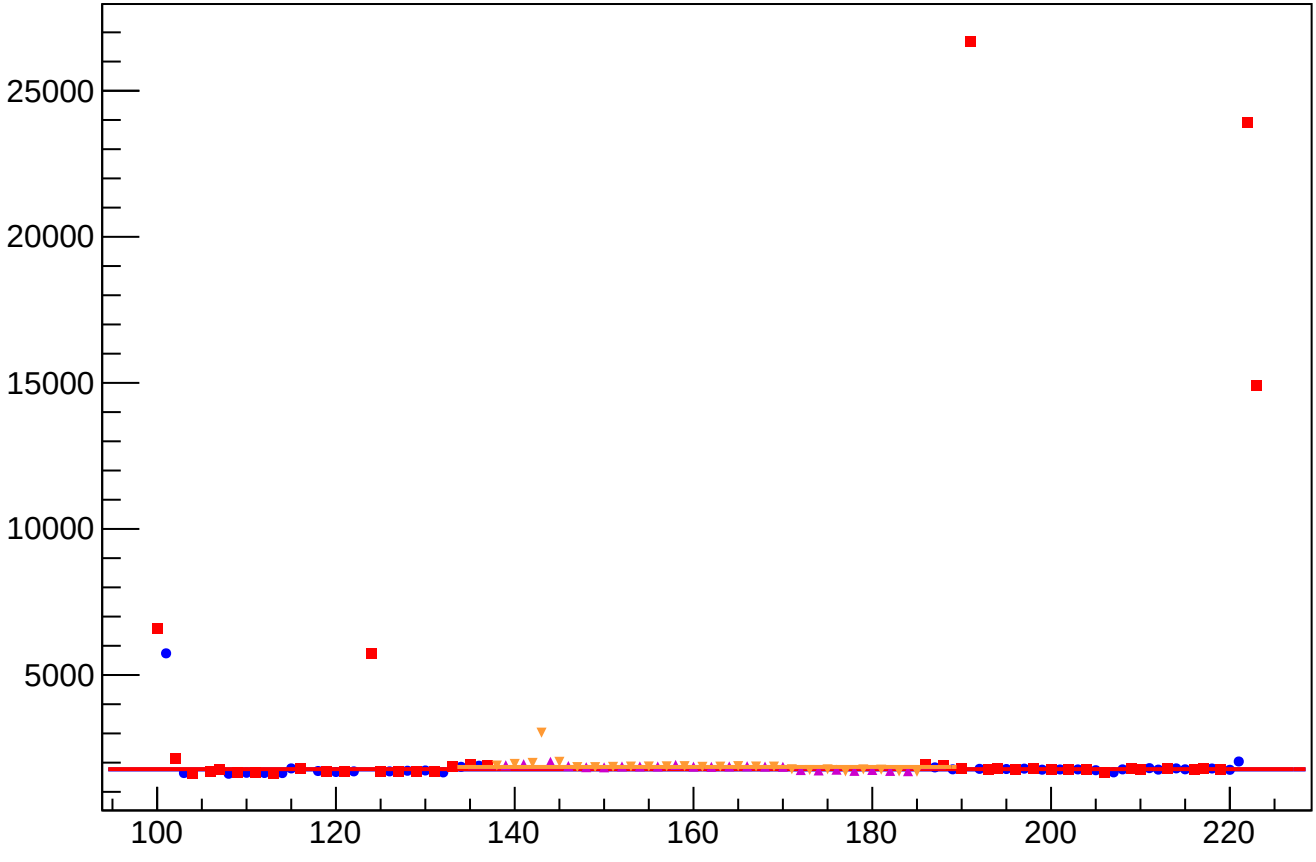
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 436.770+/-284.376 χ^2/NDF: 73.9/58

All: 312.909+/-202.211 χ^2/NDF: 124.4/120

- sign 186.234+/-287.590 χ^2/NDF: 50.0/61

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1766.366+/-0.272 χ^2/NDF: 695933.8/33

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1778.096+/-0.273 χ^2/NDF: 2698562.7/38

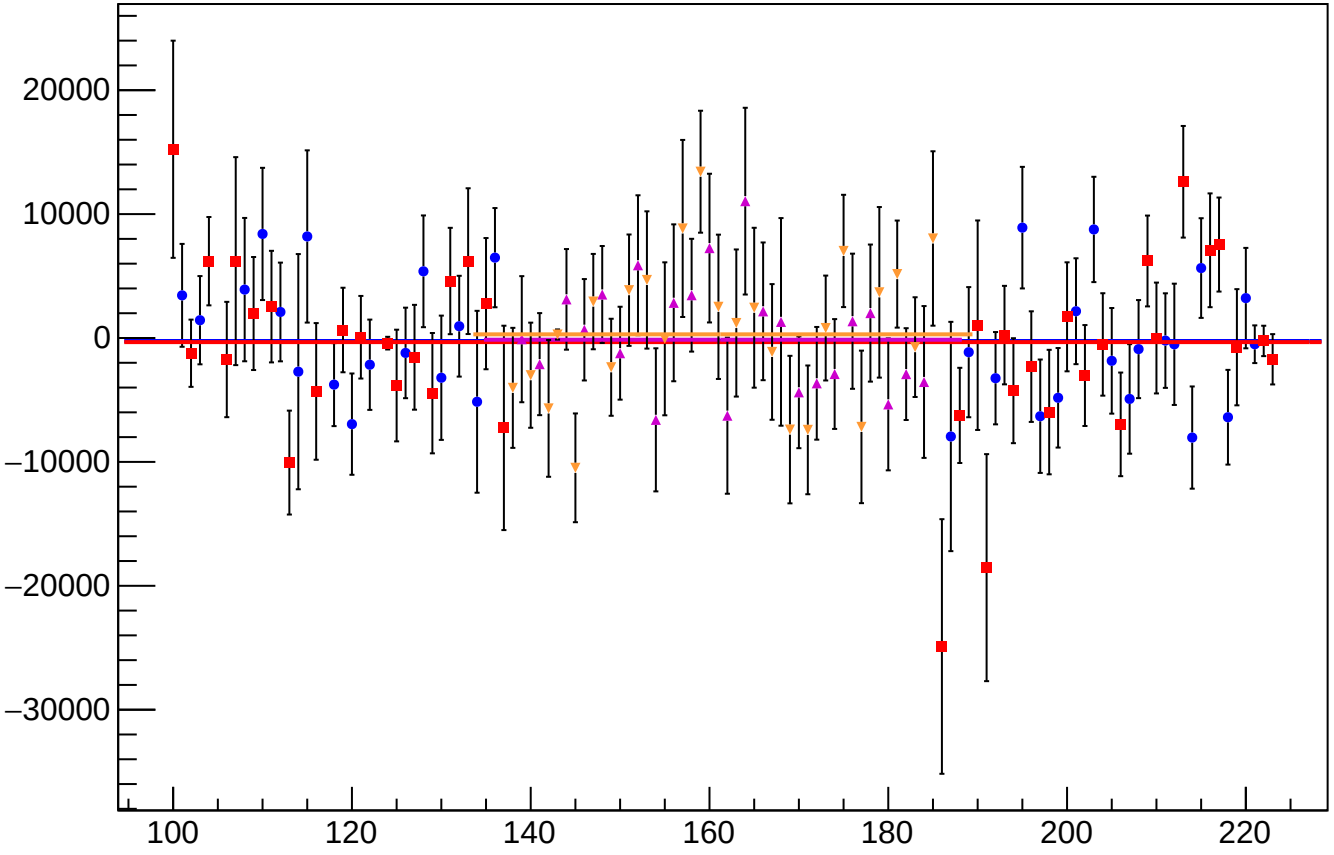
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.388+/-0.201 χ^2/NDF: 1062470.8/58

All: 1805.259+/-0.143 χ^2/NDF: 3851376.7/12

- sign 1805.127+/-0.203 χ^2/NDF: 2788905.1/61

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: -242.892+/-678.853 χ^2/NDF: 38.5/33

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -331.111+/-391.254 χ^2/NDF: 55.4/38

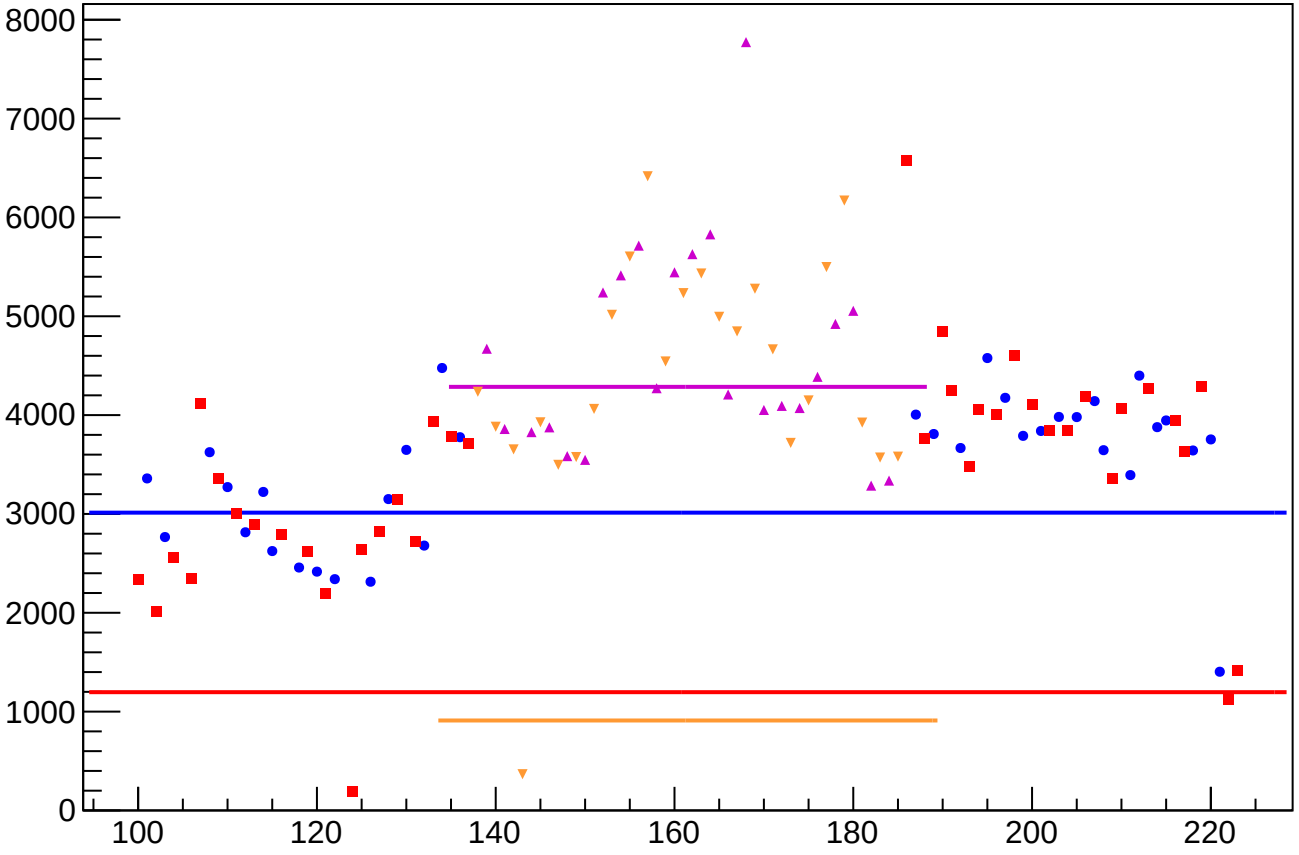
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 166.928+/-331.553 χ^2/NDF: 69.0/58

All: -46.825+/-245.550 χ^2/NDF: 139.3/120

- sign -306.500+/-365.436 χ^2/NDF: 69.3/61

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3013.086+/-0.480 χ^2/NDF: 4236585.4/33

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1196.700+/-0.277 χ^2/NDF: 26367941.3/38

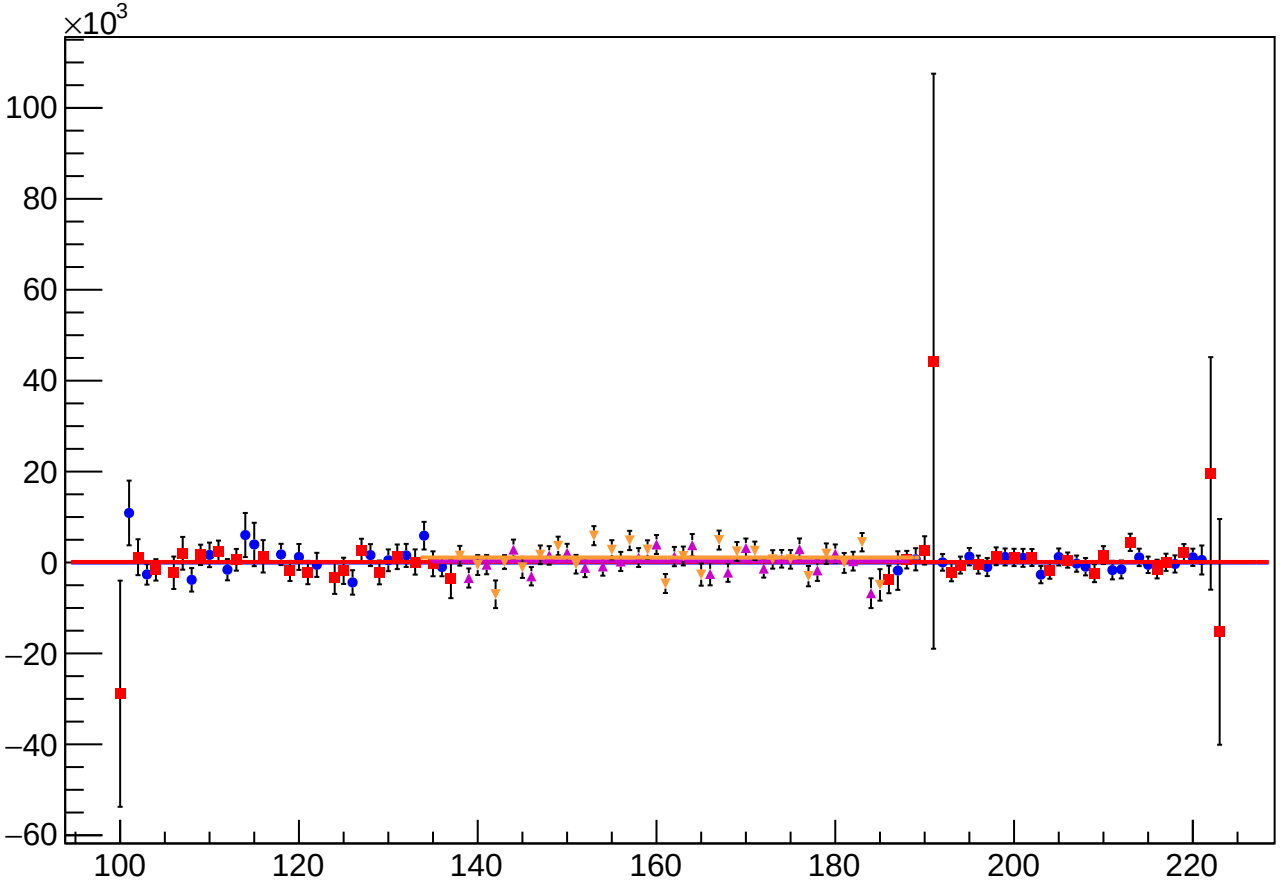
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1411.854+/-0.234 χ^2/NDF: 45622484.3/58

All: 1492.710+/-0.174 χ^2/NDF: 89493158.1/1

- sign 1590.938+/-0.258 χ^2/NDF: 43607225.0/61

dit_asym_atr1l2_dd_mean vs Slug



Right In: -8.410+/-386.409 χ^2/NDF: 23.8/33

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 123.829+/-388.124 χ^2/NDF: 26.1/38

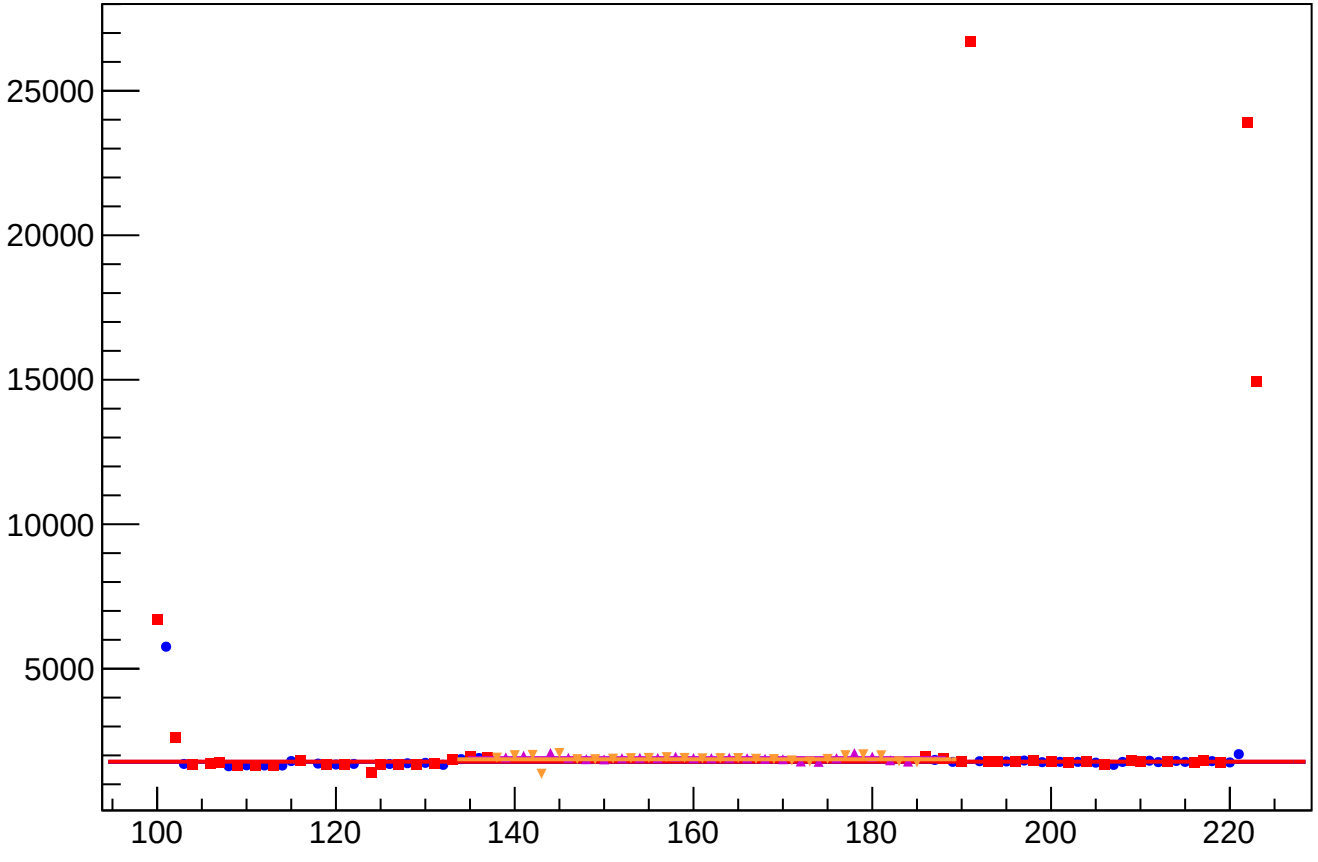
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

\+ sign 494.279+/-286.002 χ^2/NDF: 72.3/58

All: 342.970+/-204.527 χ^2/NDF: 126.7/120

\- sign 184.598+/-292.601 χ^2/NDF: 53.8/61

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1775.380+/-0.273 χ^2/NDF: 693838.7/33

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1783.009+/-0.274 χ^2/NDF: 2630023.1/38

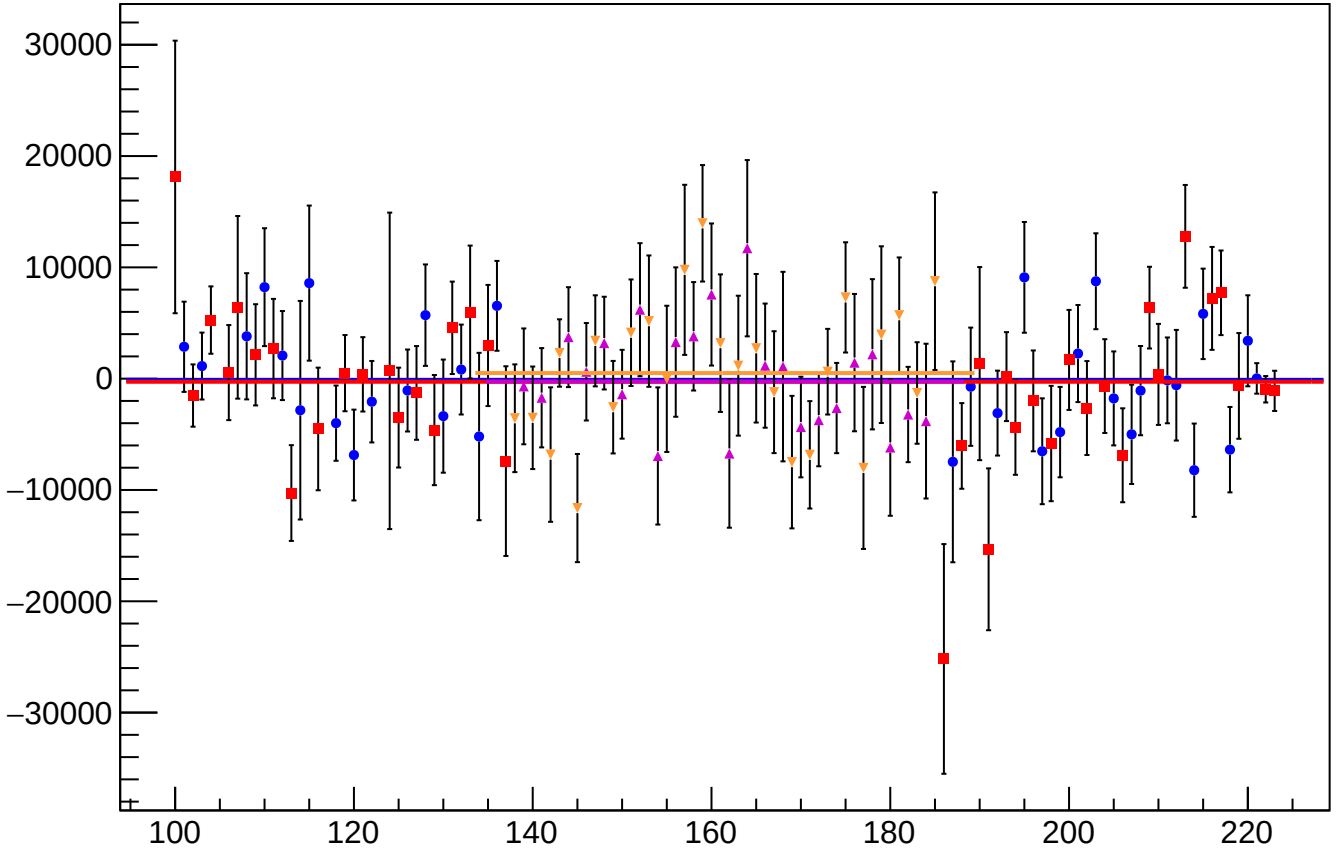
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1815.832+/-0.202 χ^2/NDF: 1037024.7/58

All: 1825.632+/-0.145 χ^2/NDF: 3810875.1/12

- sign 1835.878+/-0.207 χ^2/NDF: 2769047.0/61

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -105.257+/-662.810 χ^2/NDF: 38.4/33

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -276.954+/-593.727 χ^2/NDF: 54.7/38

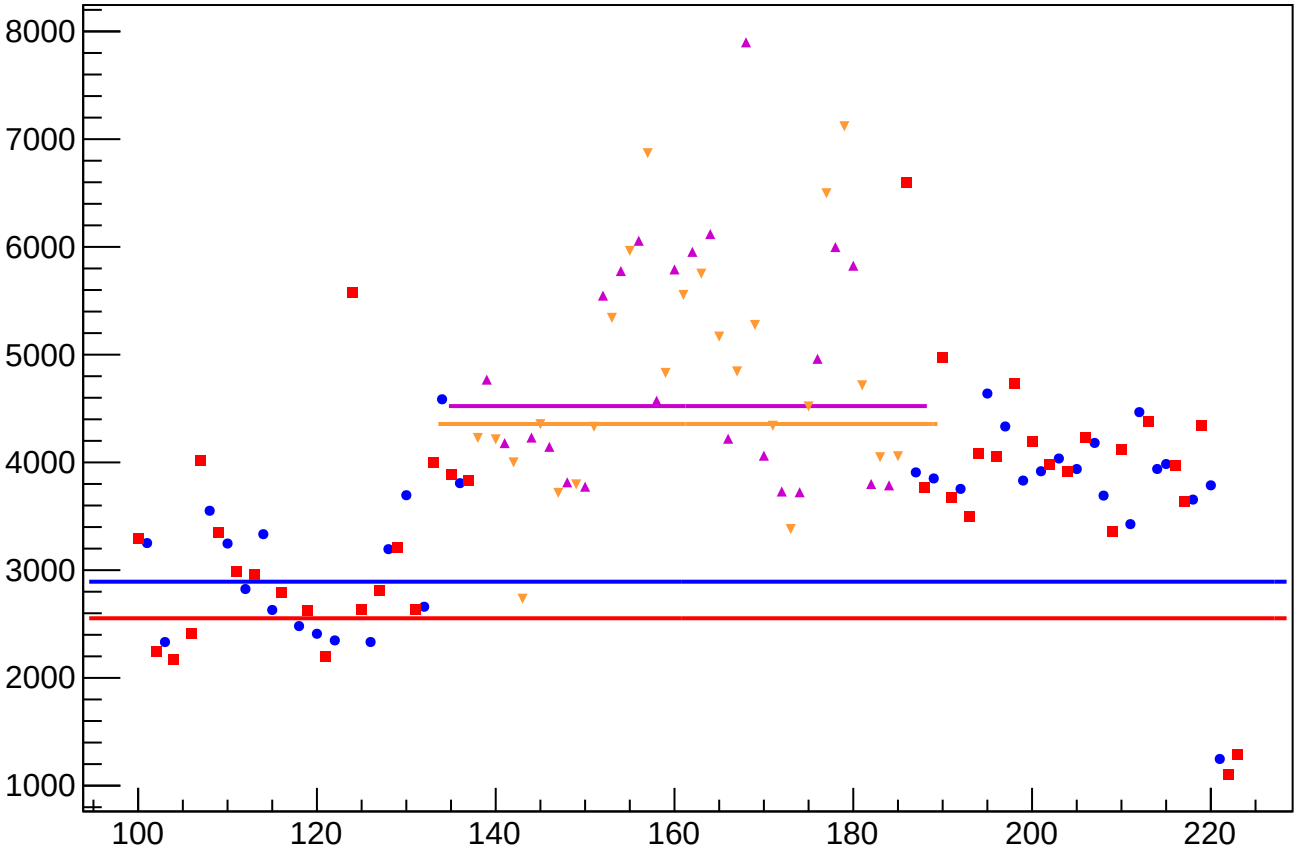
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 75.285+/-556.048 χ^2/NDF: 68.7/58

All: -110.508+/-379.974 χ^2/NDF: 137.2/120

- sign -273.270+/-520.445 χ^2/NDF: 68.3/61

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2892.883+/-0.469 χ^2/NDF: 5454994.6/33

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2553.432+/-0.420 χ^2/NDF: 8601527.5/38

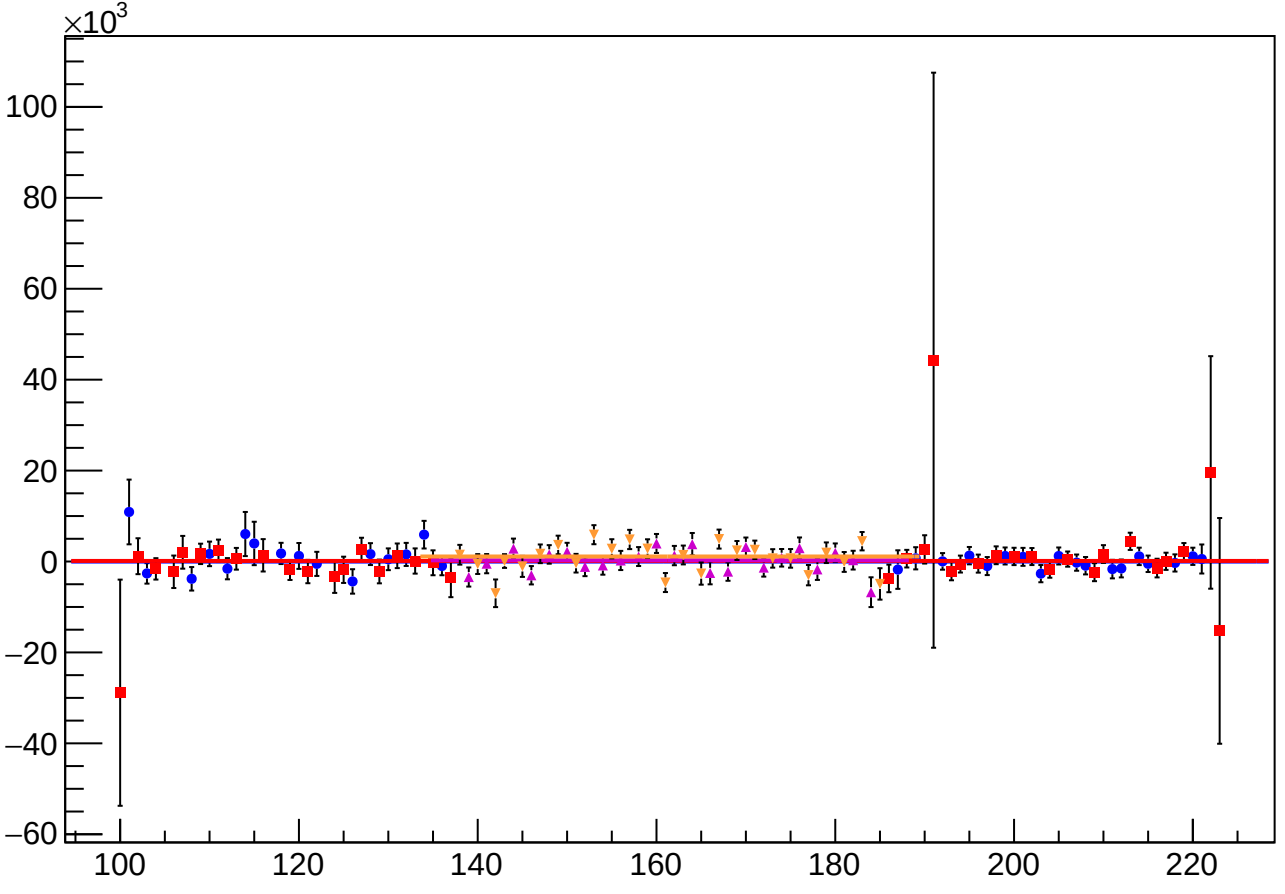
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3326.455+/-0.393 χ^2/NDF: 10256556.0/58

All: 3157.546+/-0.269 χ^2/NDF: 25734908.8/1

- sign 3009.574+/-0.368 χ^2/NDF: 15132129.4/61

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -8.411+/-386.409 χ^2/NDF: 23.8/33

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 123.829+/-388.124 χ^2/NDF: 26.1/38

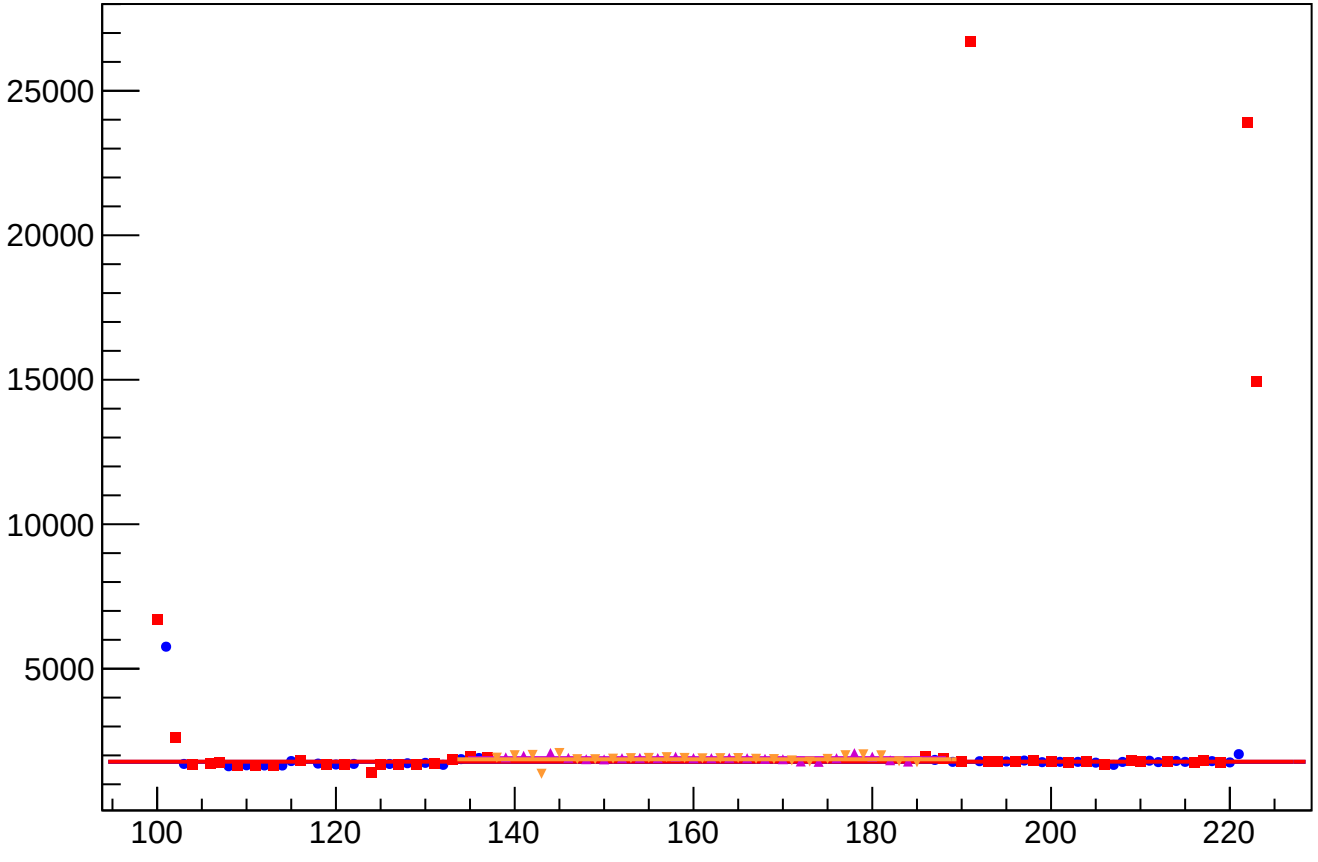
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

\+ sign 494.279+/-286.002 χ^2/NDF: 72.3/58

All: 342.970+/-204.527 χ^2/NDF: 126.7/120

\- sign 184.598+/-292.601 χ^2/NDF: 53.8/61

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1775.380+/-0.273 χ^2/NDF: 693838.7/33

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1783.010+/-0.274 χ^2/NDF: 2630023.1/38

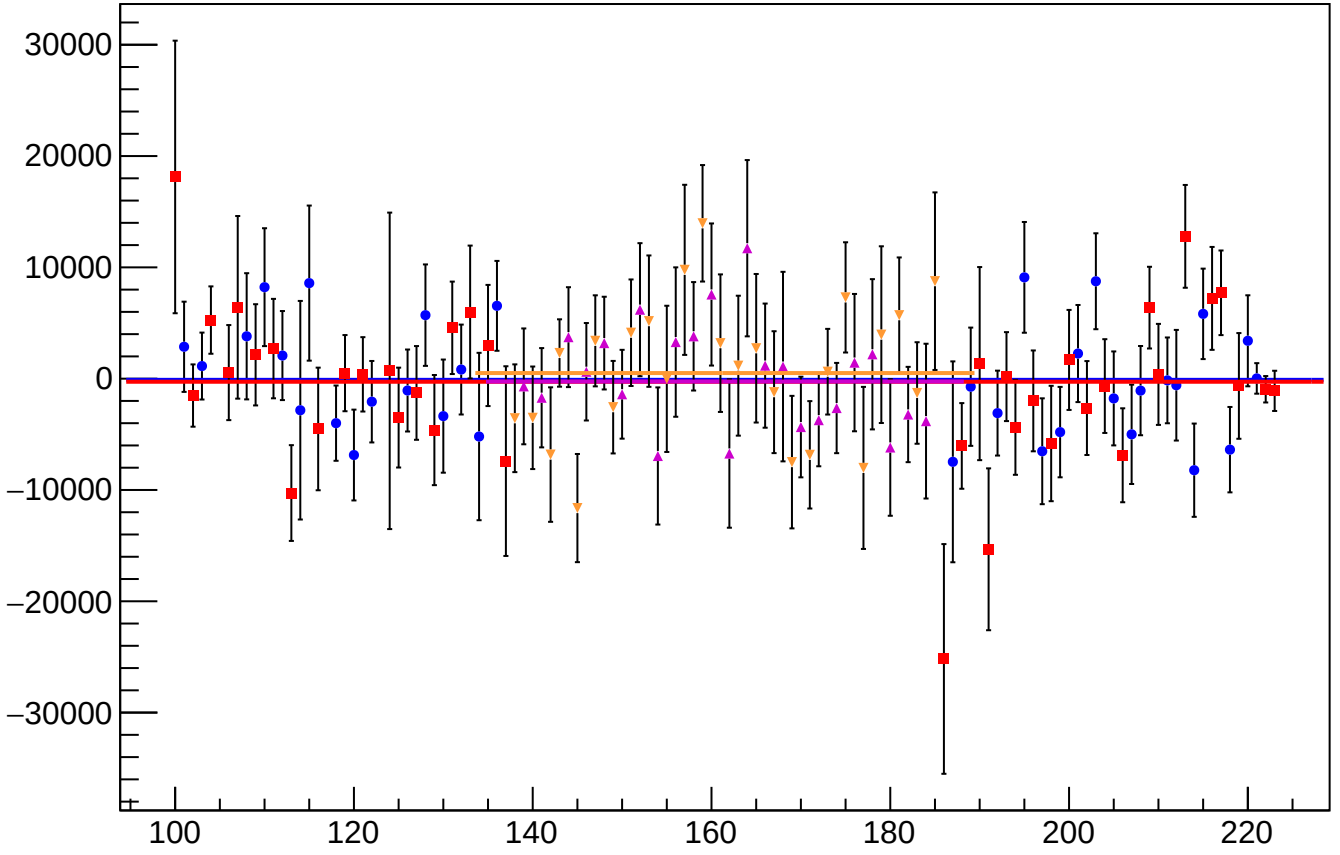
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1815.832+/-0.202 χ^2/NDF: 1037029.0/58

All: 1825.632+/-0.145 χ^2/NDF: 3810883.0/12

- sign 1835.878+/-0.207 χ^2/NDF: 2769050.6/61

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: -105.253+/-662.811 χ^2/NDF: 38.4/33

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -276.951+/-593.728 χ^2/NDF: 54.7/38

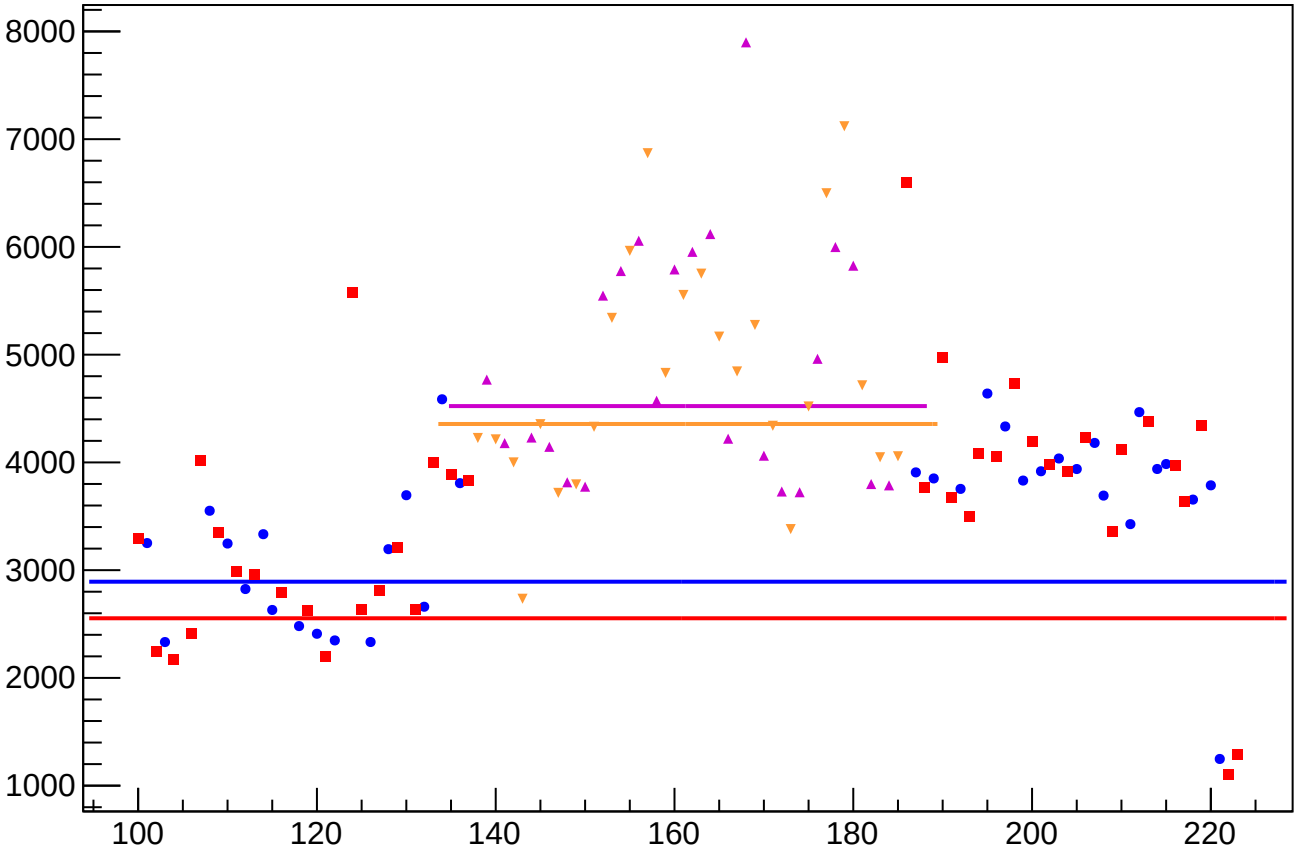
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 75.289+/-556.049 χ^2/NDF: 68.7/58

All: -110.505+/-379.974 χ^2/NDF: 137.2/120

- sign -273.269+/-520.446 χ^2/NDF: 68.3/61

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2892.889+/-0.469 χ^2/NDF: 5454952.0/33

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2553.436+/-0.420 χ^2/NDF: 8601482.6/38

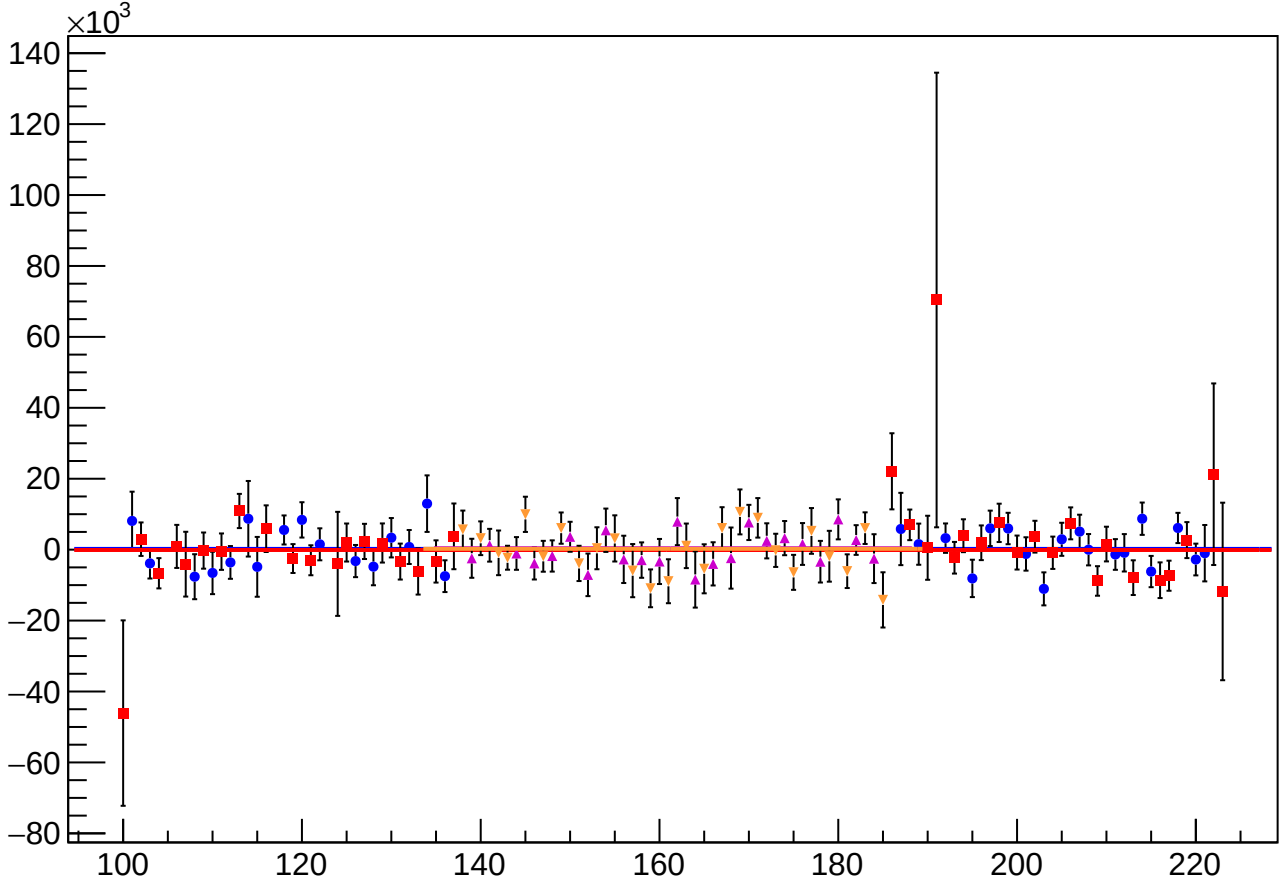
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3326.461+/-0.393 χ^2/NDF: 10256512.2/58

All: 3157.551+/-0.269 χ^2/NDF: 25734829.8/1

- sign 3009.578+/-0.368 χ^2/NDF: 15132090.6/61

asym_atr1l2_dd_mean vs Slug



Right In: 206.861+/-865.659 χ^2/NDF: 40.0/33

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -92.977+/-866.773 χ^2/NDF: 44.3/38

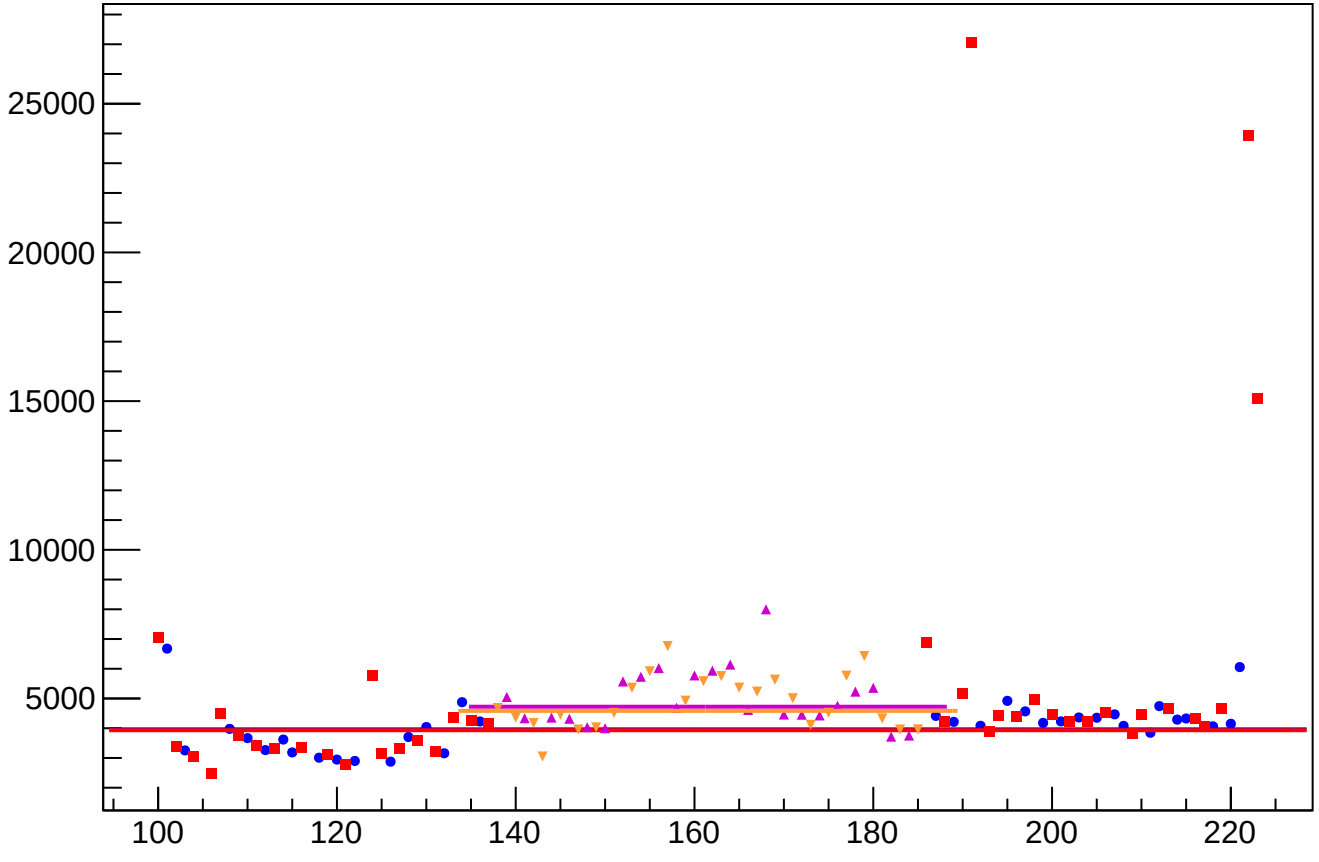
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 220.022+/-671.654 χ^2/NDF: 72.2/58

All: 156.666+/-479.847 χ^2/NDF: 130.8/120

- sign 90.618+/-685.777 χ^2/NDF: 58.6/61

asym_atr1l2_dd_rms vs Slug



Right In: 3962.099+/-0.612 χ^2/NDF: 1234650.2/33

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3932.907+/-0.609 χ^2/NDF: 3195109.2/38

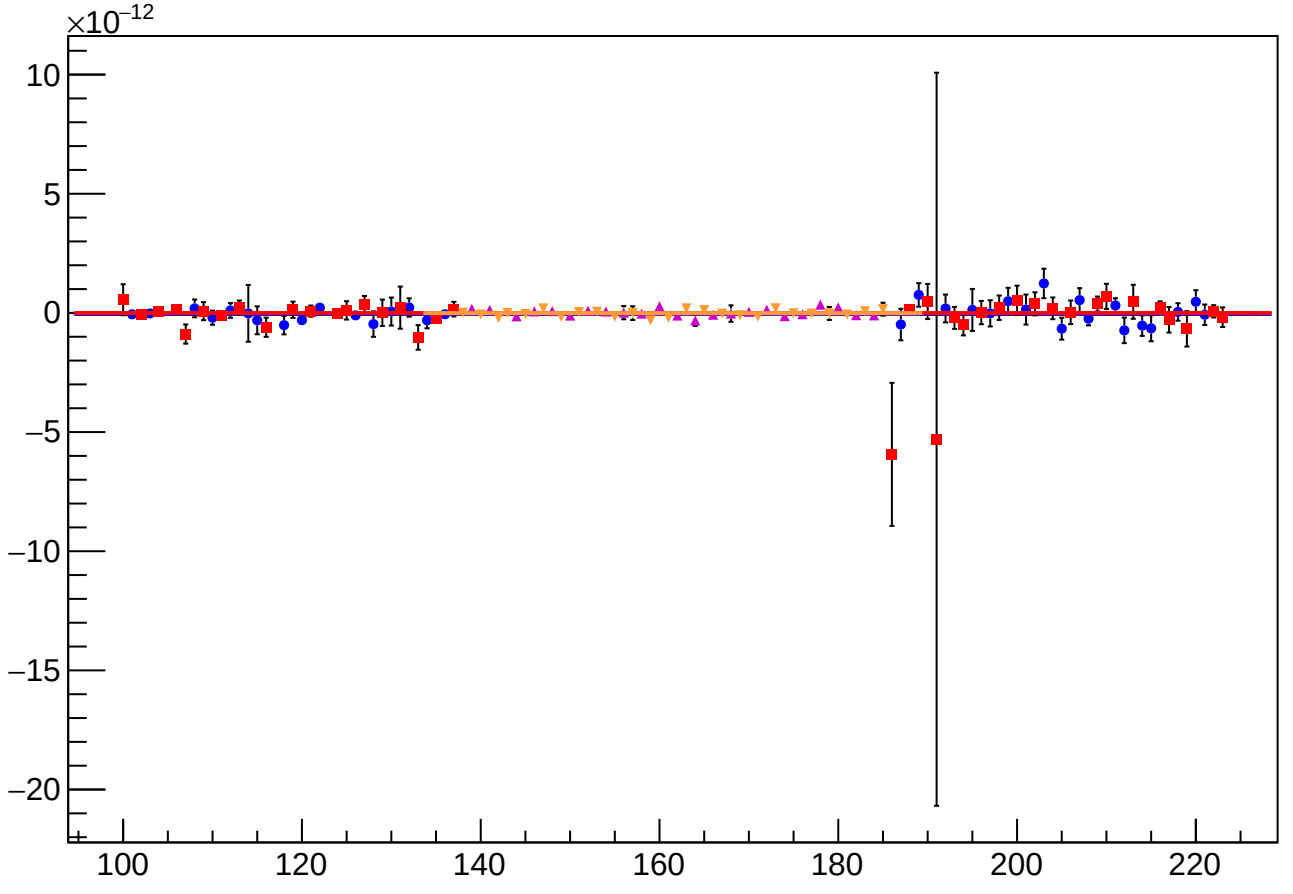
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4209.878+/-0.475 χ^2/NDF: 2958076.3/58

All: 4217.813+/-0.339 χ^2/NDF: 7794975.9/12

- sign 4226.017+/-0.483 χ^2/NDF: 4836331.9/61

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/38

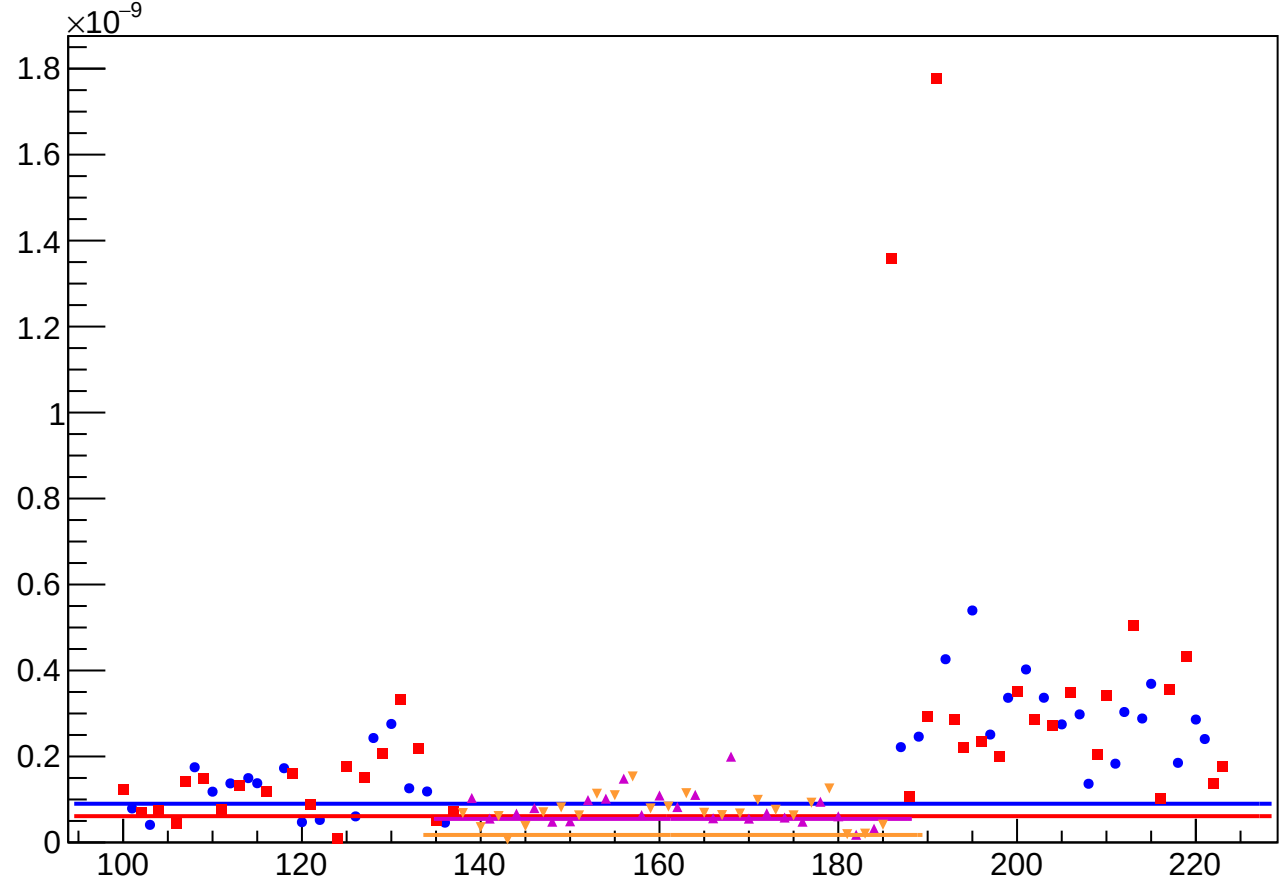
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.9/58

All: -0.000+/-0.000 χ^2/NDF: 109.6/120

- sign -0.000+/-0.000 χ^2/NDF: 58.7/61

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7868734.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10874056.7/38

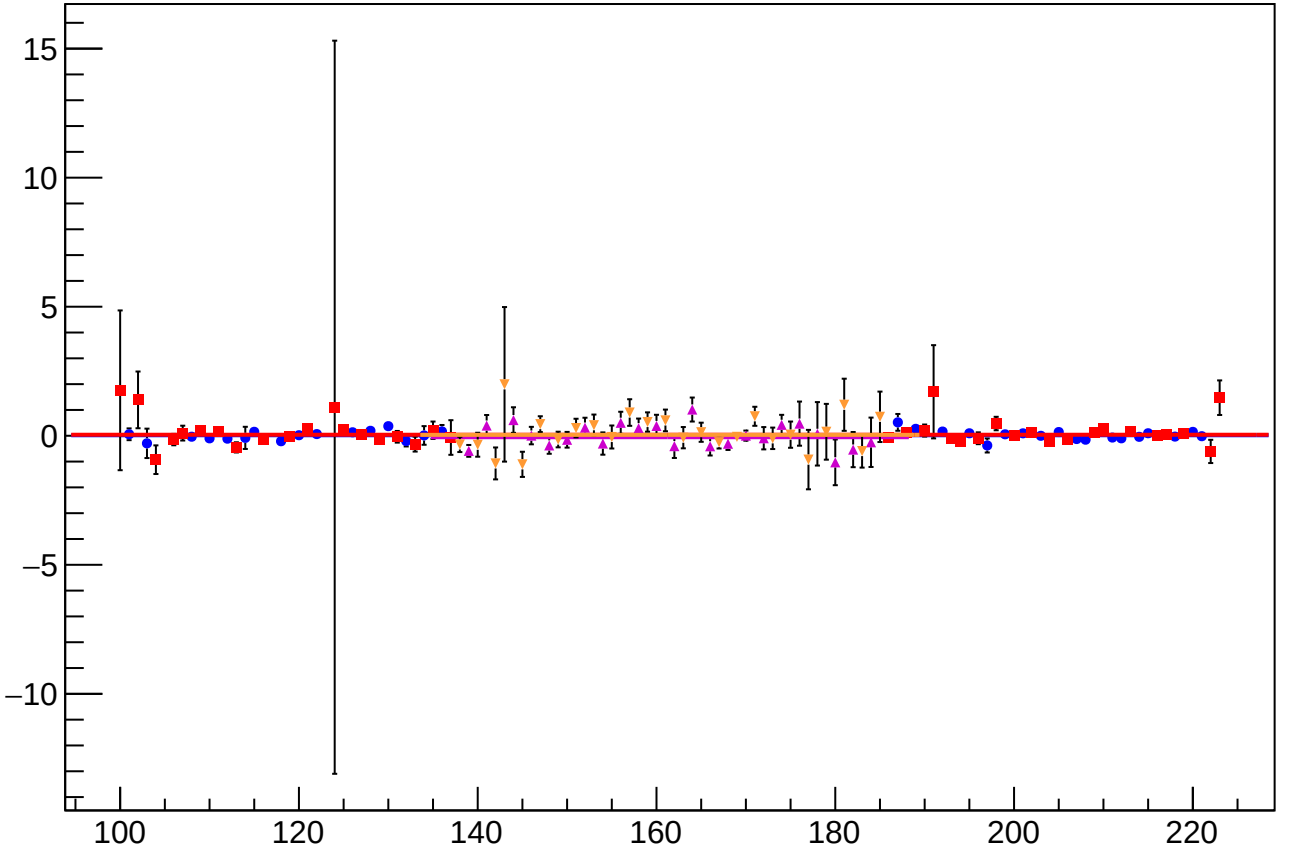
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 22510860.2/58

All: 0.000+/-0.000 χ^2/NDF: 40990145.6/120

- sign 0.000+/-0.000 χ^2/NDF: 13721146.2/61

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 28.1/33

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.039+/-0.027 χ^2/NDF: 48.5/38

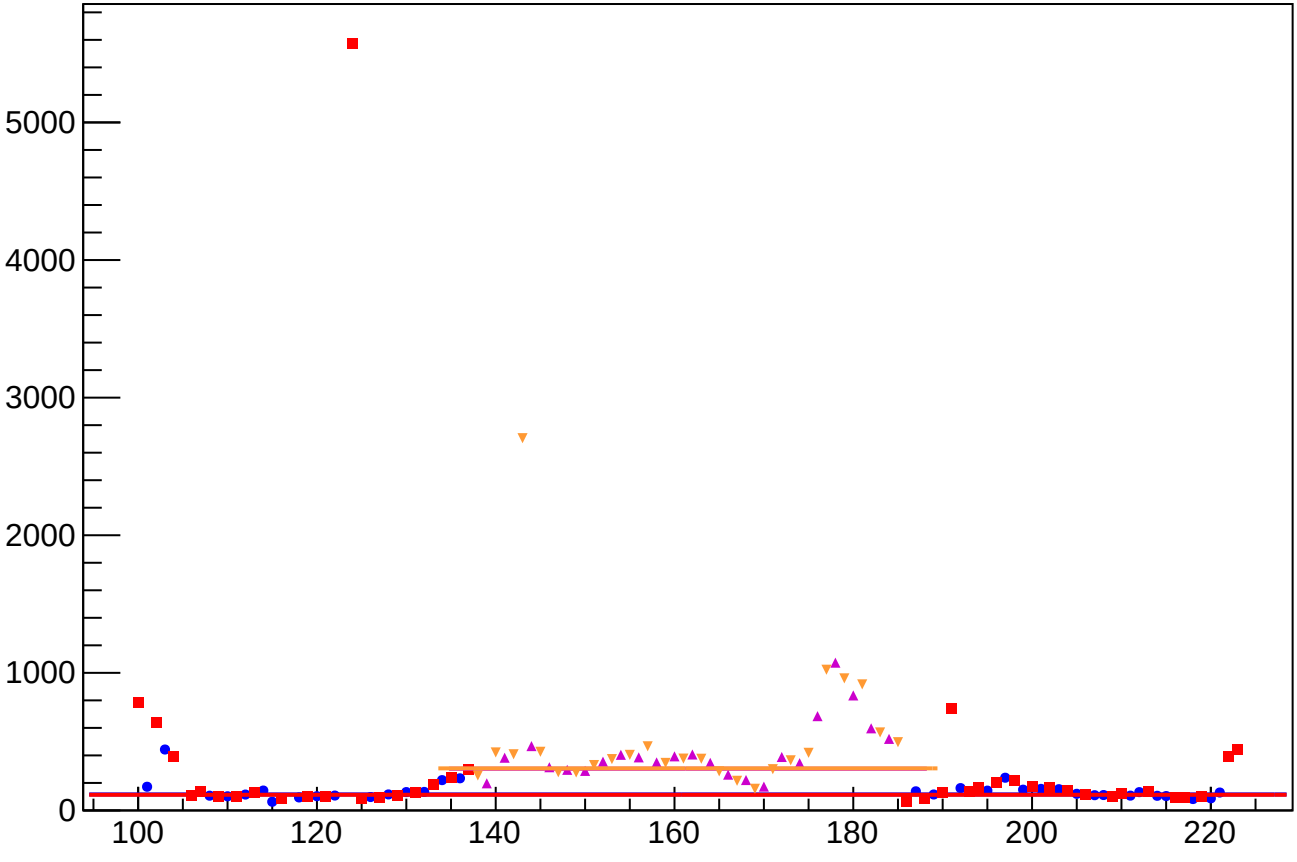
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.021+/-0.025 χ^2/NDF: 58.6/58

All: 0.025+/-0.018 χ^2/NDF: 134.5/120

- sign 0.029+/-0.025 χ^2/NDF: 75.9/61

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.599+/-0.019 χ^2/NDF: 3169091.9/33

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 113.924+/-0.019 χ^2/NDF: 5912135.9/38

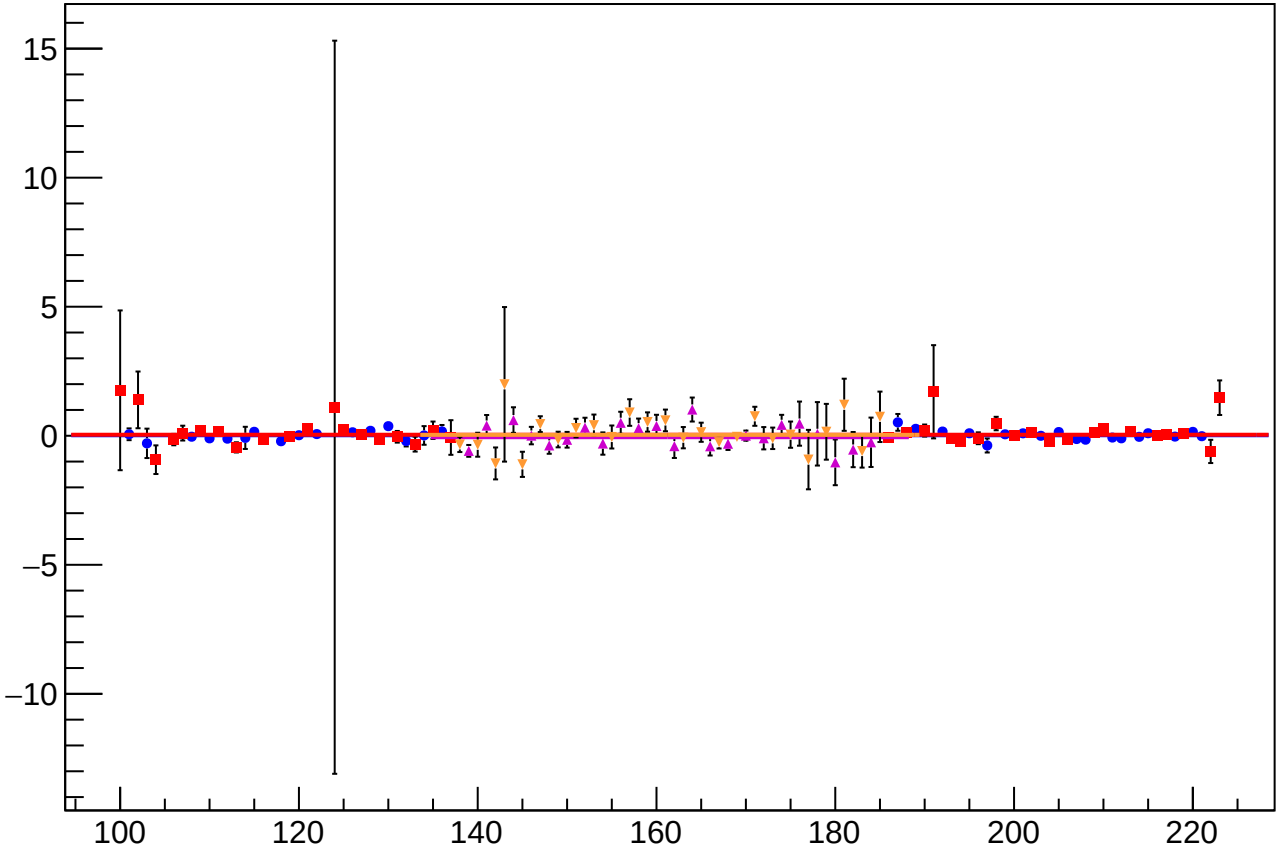
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 136.615+/-0.018 χ^2/NDF: 20361401.7/58

All: 135.389+/-0.013 χ^2/NDF: 41812686.0/12

- sign 134.168+/-0.018 χ^2/NDF: 21441935.7/61

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 28.1/33

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

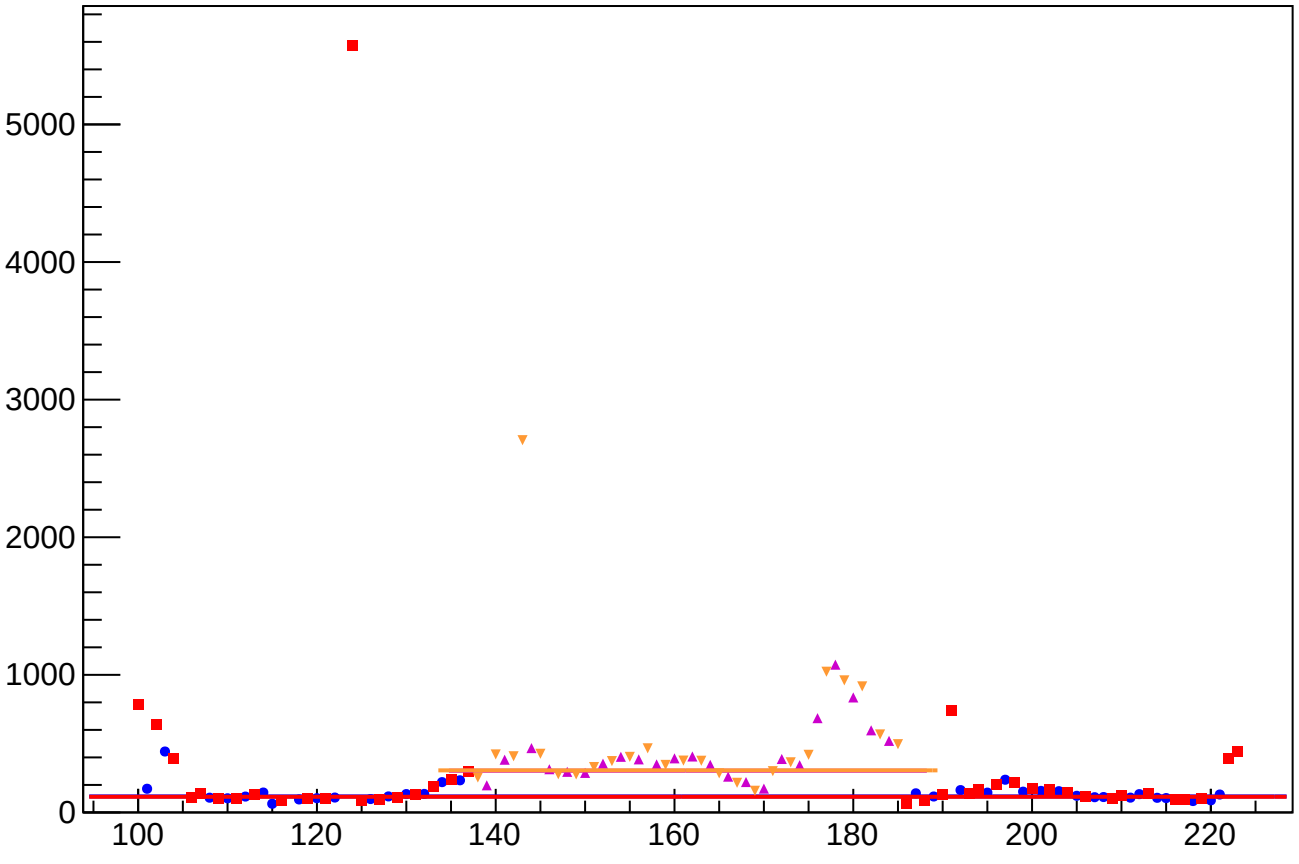
Right Out: 0.039+/-0.027 χ^2/NDF: 48.5/38

Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.021+/-0.025 χ^2/NDF: 58.6/58

All: 0.025+/-0.018 χ^2/NDF: 134.5/120

- sign 0.029+/-0.025 χ^2/NDF: 75.9/61



Right In: 116.599+/-0.019 χ^2/NDF: 3169091.9/33

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

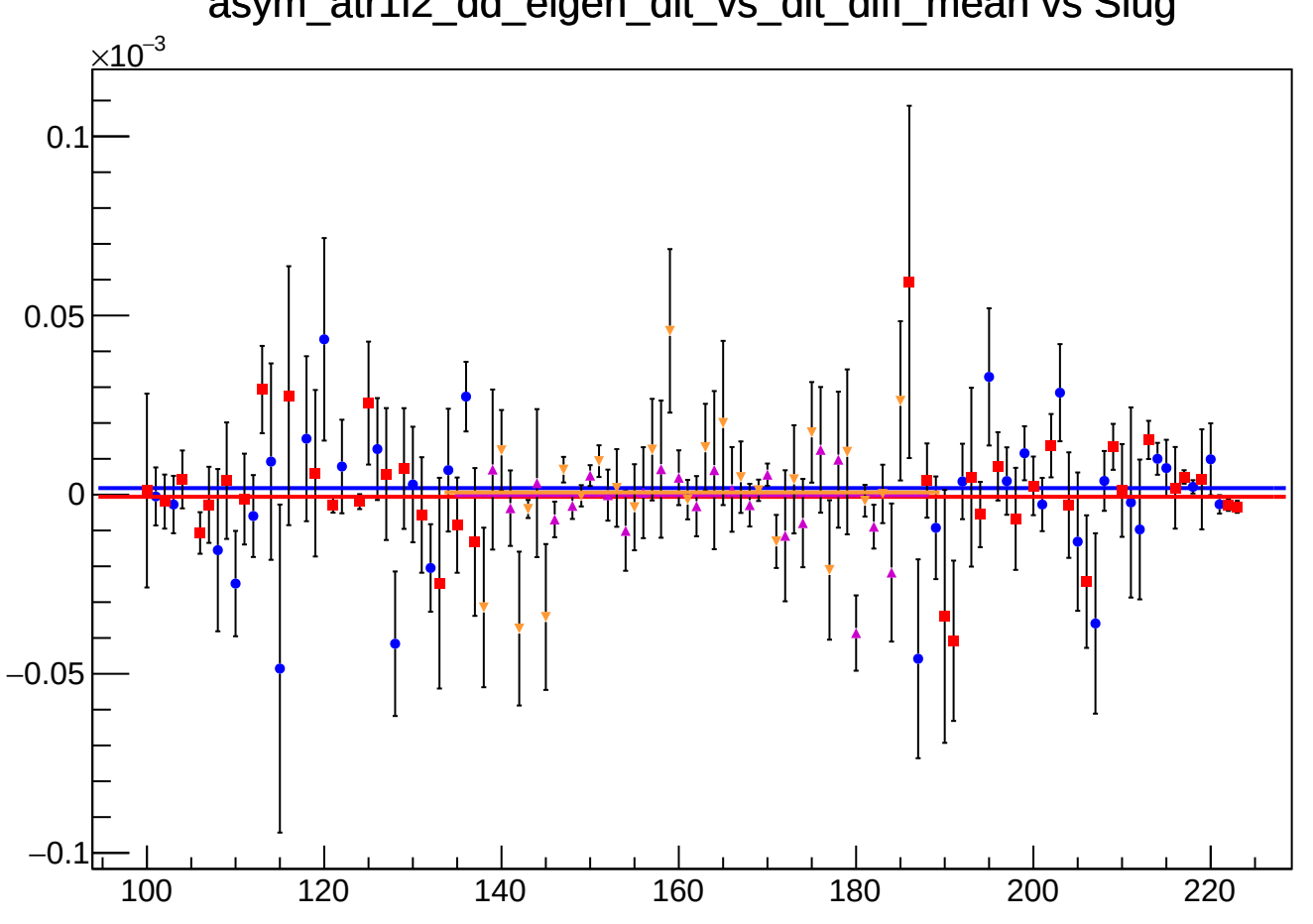
Right Out: 113.924+/-0.019 χ^2/NDF: 5912135.9/38

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 136.615+/-0.018 χ^2/NDF: 20361401.7/58

All: 135.389+/-0.013 χ^2/NDF: 41812686.0/12

- sign 134.168+/-0.018 χ^2/NDF: 21441935.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 47.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

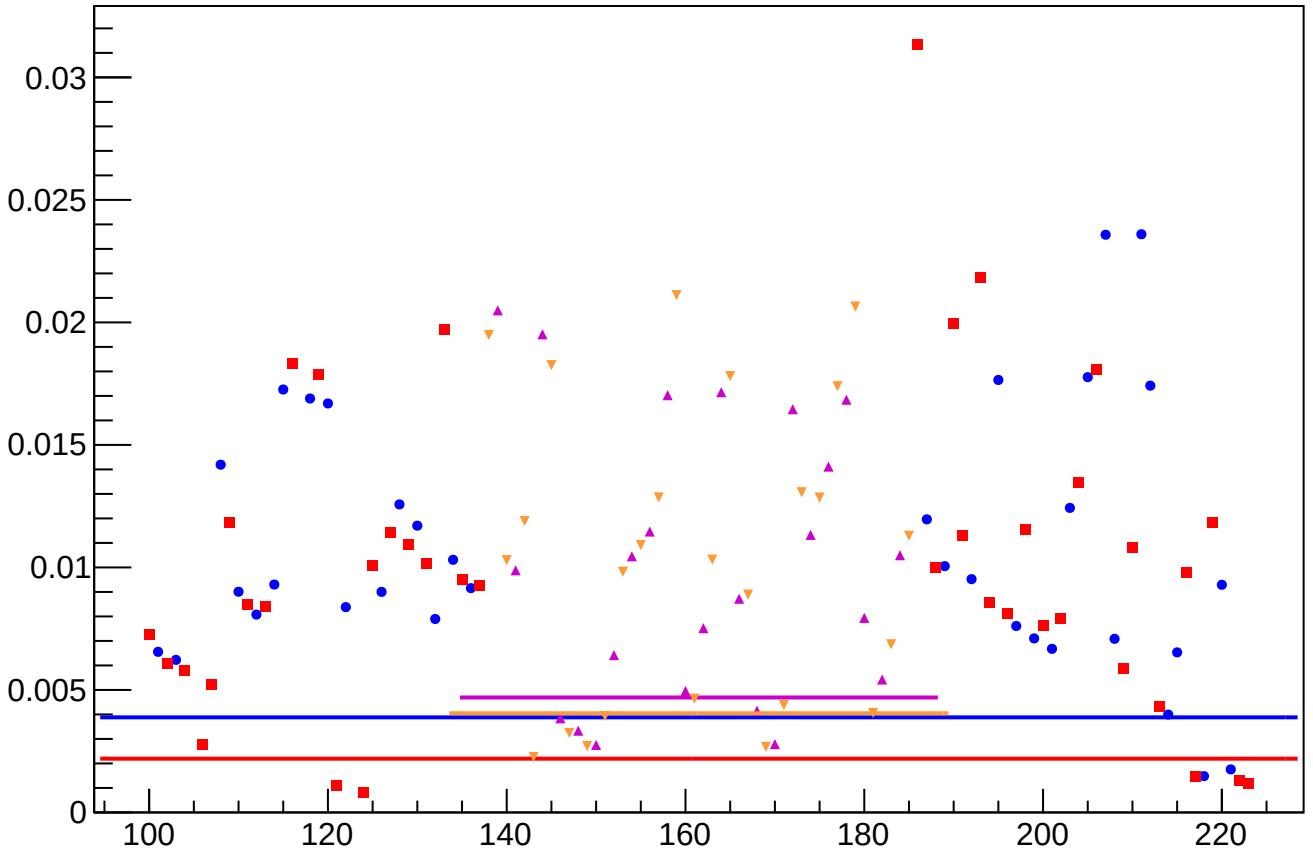
Right Out: -0.000+/-0.000 χ^2/NDF: 54.7/38

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.5/58

All: 0.000+/-0.000 χ^2/NDF: 169.7/120

- sign -0.000+/-0.000 χ^2/NDF: 84.6/61



Right In: 0.004+/-0.000 χ^2/NDF: 19094458.8/33

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 25255209.8/38

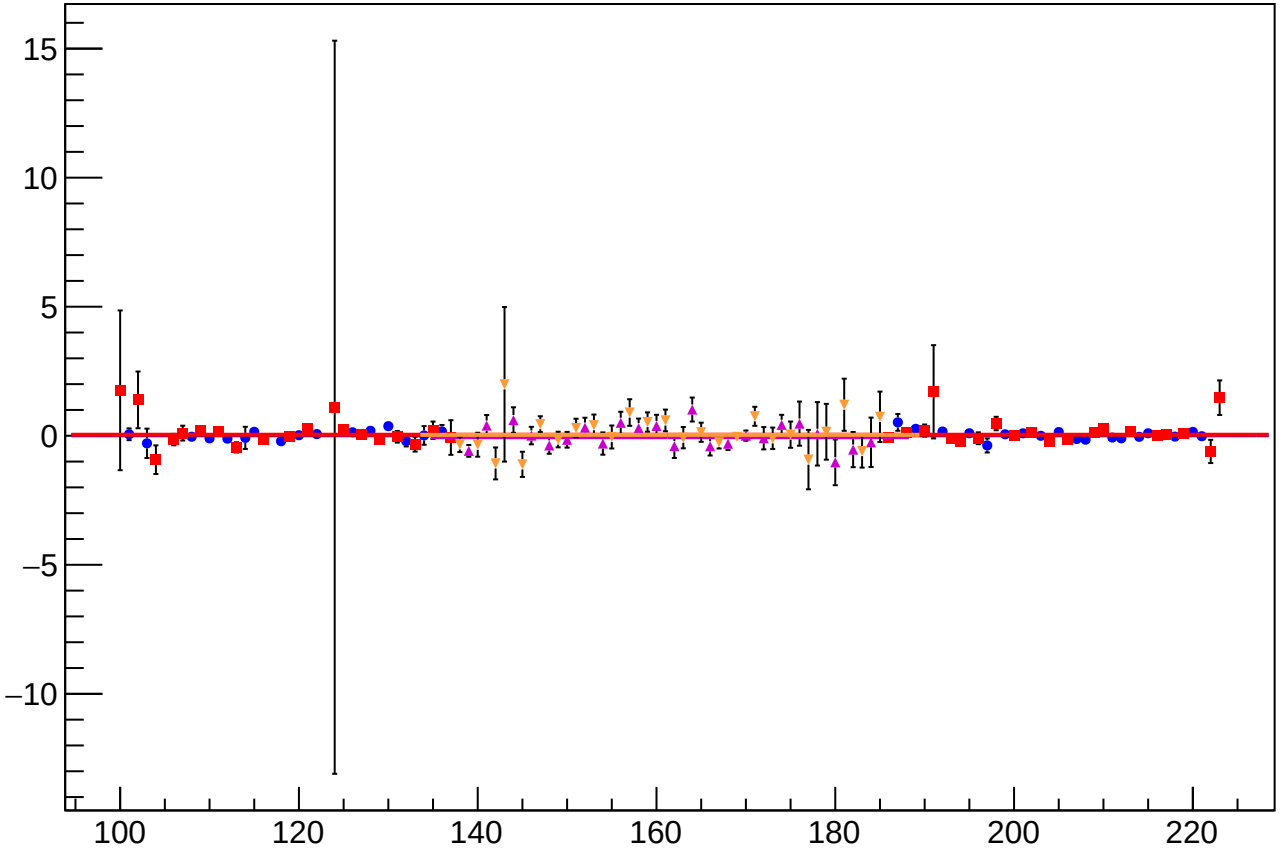
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 32666979.1/58

All: 0.003+/-0.000 χ^2/NDF: 76180125.6/120

- sign 0.003+/-0.000 χ^2/NDF: 41023317.4/61

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 28.1/33

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.039+/-0.027 χ^2/NDF: 48.5/38

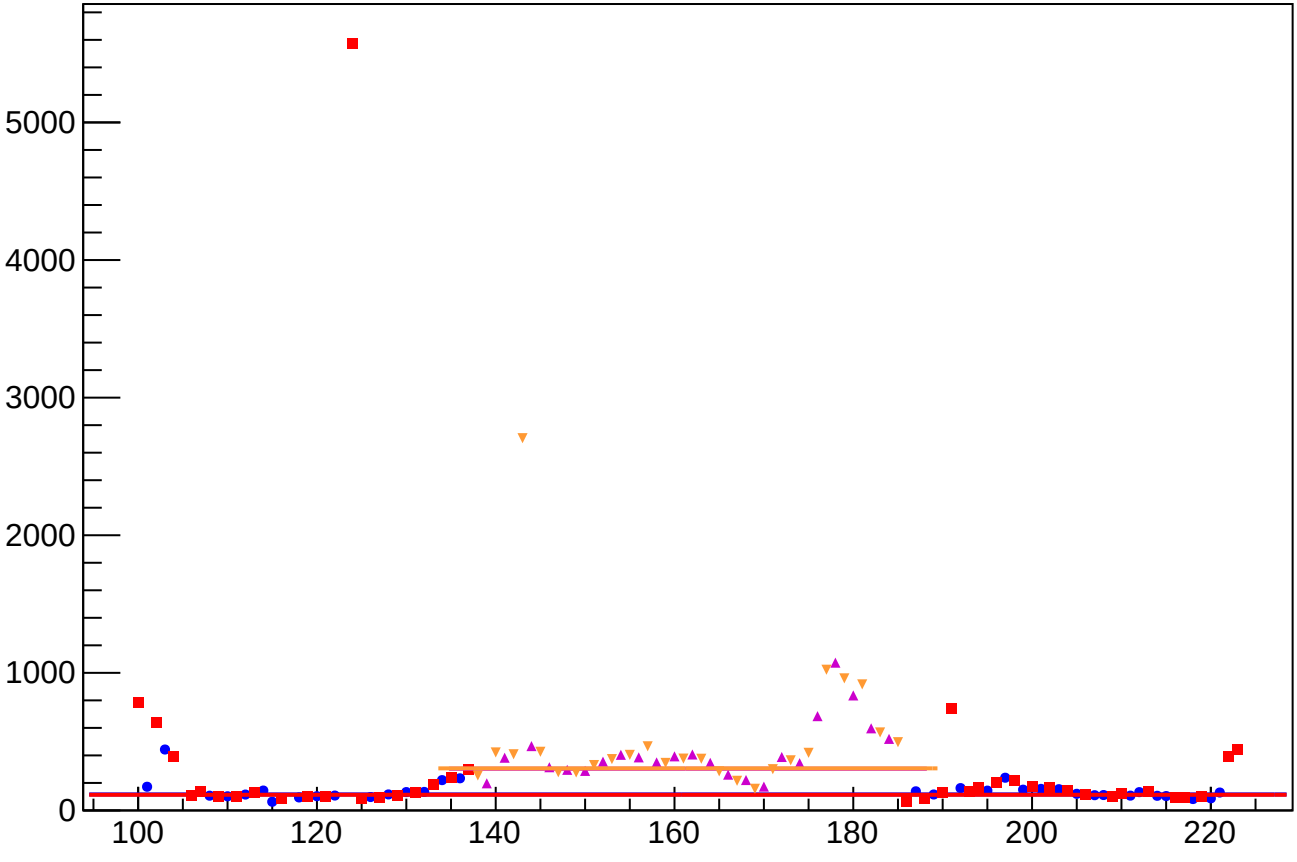
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.021+/-0.025 χ^2/NDF: 58.6/58

All: 0.025+/-0.018 χ^2/NDF: 134.5/120

- sign 0.029+/-0.025 χ^2/NDF: 75.9/61

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.601+/-0.019 χ^2/NDF: 3169068.8/33

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

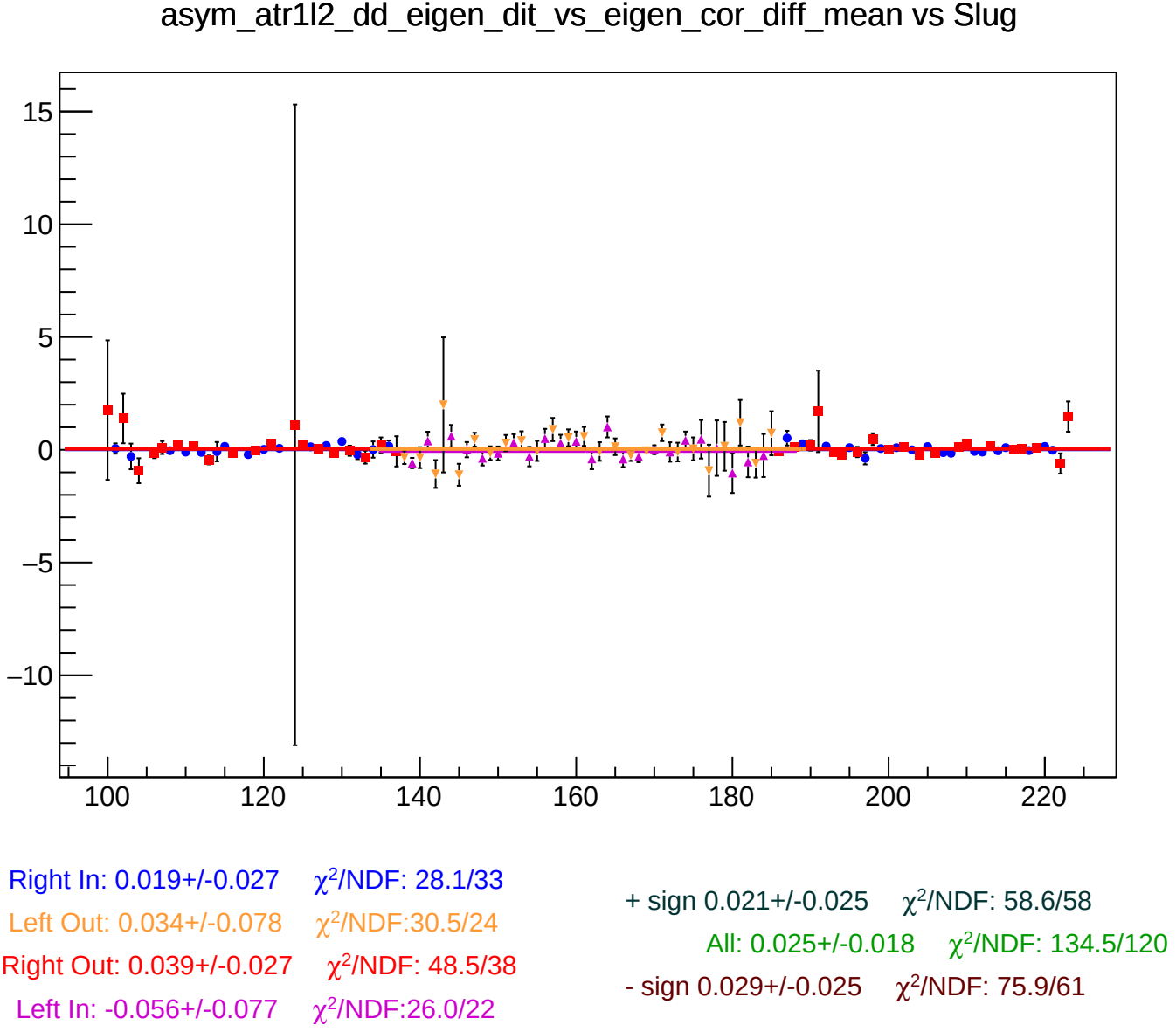
Right Out: 113.926+/-0.019 χ^2/NDF: 5911948.4/38

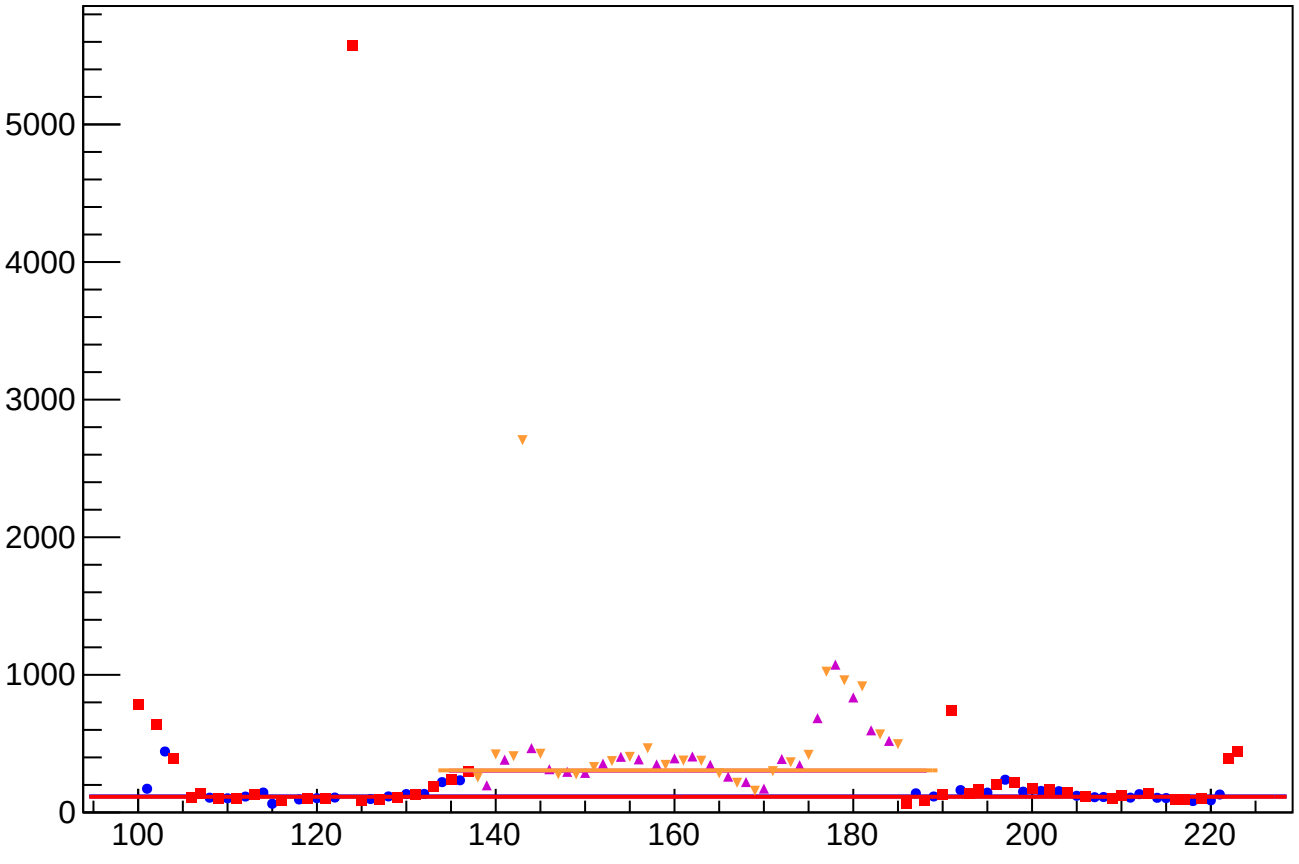
Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 136.617+/-0.018 χ^2/NDF: 20361345.1/58

All: 135.390+/-0.013 χ^2/NDF: 41812388.4/12

- sign 134.170+/-0.018 χ^2/NDF: 21441695.4/61


asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
15
10
5
0
−5
−10
100
120
140
160
180
200
220
Right In: 0.019+/-0.027 χ²/NDF: 28.1/33
Left Out: 0.034+/-0.078 χ²/NDF:30.5/24
Right Out: 0.039+/-0.027 χ²/NDF: 48.5/38
Left In: -0.056+/-0.077 χ²/NDF:26.0/22
+ sign 0.021+/-0.025 χ²/NDF: 58.6/58
All: 0.025+/-0.018 χ²/NDF: 134.5/120
- sign 0.029+/-0.025 χ²/NDF: 75.9/61



Right In: 116.601+/-0.019 χ^2/NDF: 3169068.8/33

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

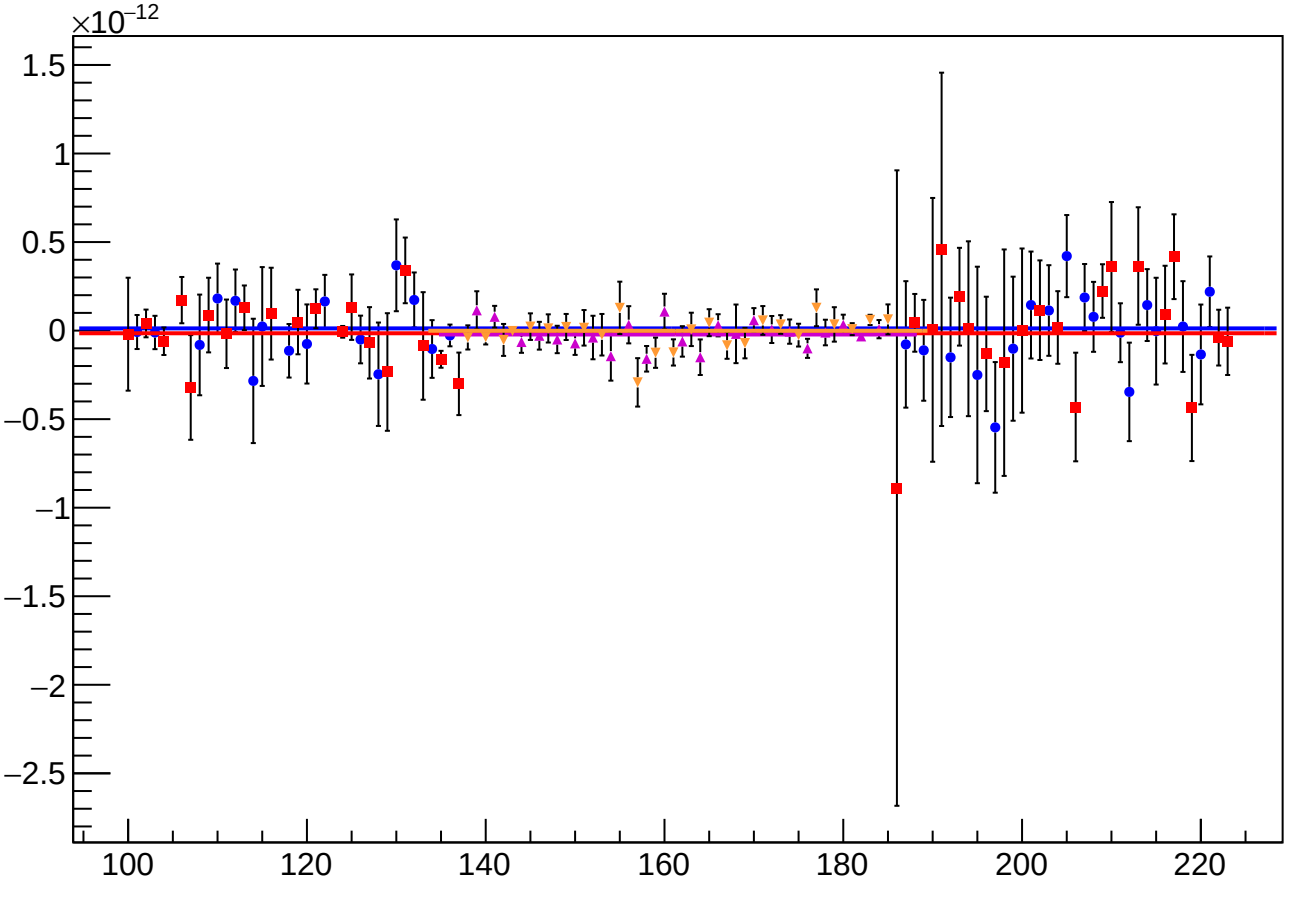
Right Out: 113.926+/-0.019 χ^2/NDF: 5911948.4/38

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 136.617+/-0.018 χ^2/NDF: 20361345.1/58

All: 135.390+/-0.013 χ^2/NDF: 41812388.4/12

- sign 134.170+/-0.018 χ^2/NDF: 21441695.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

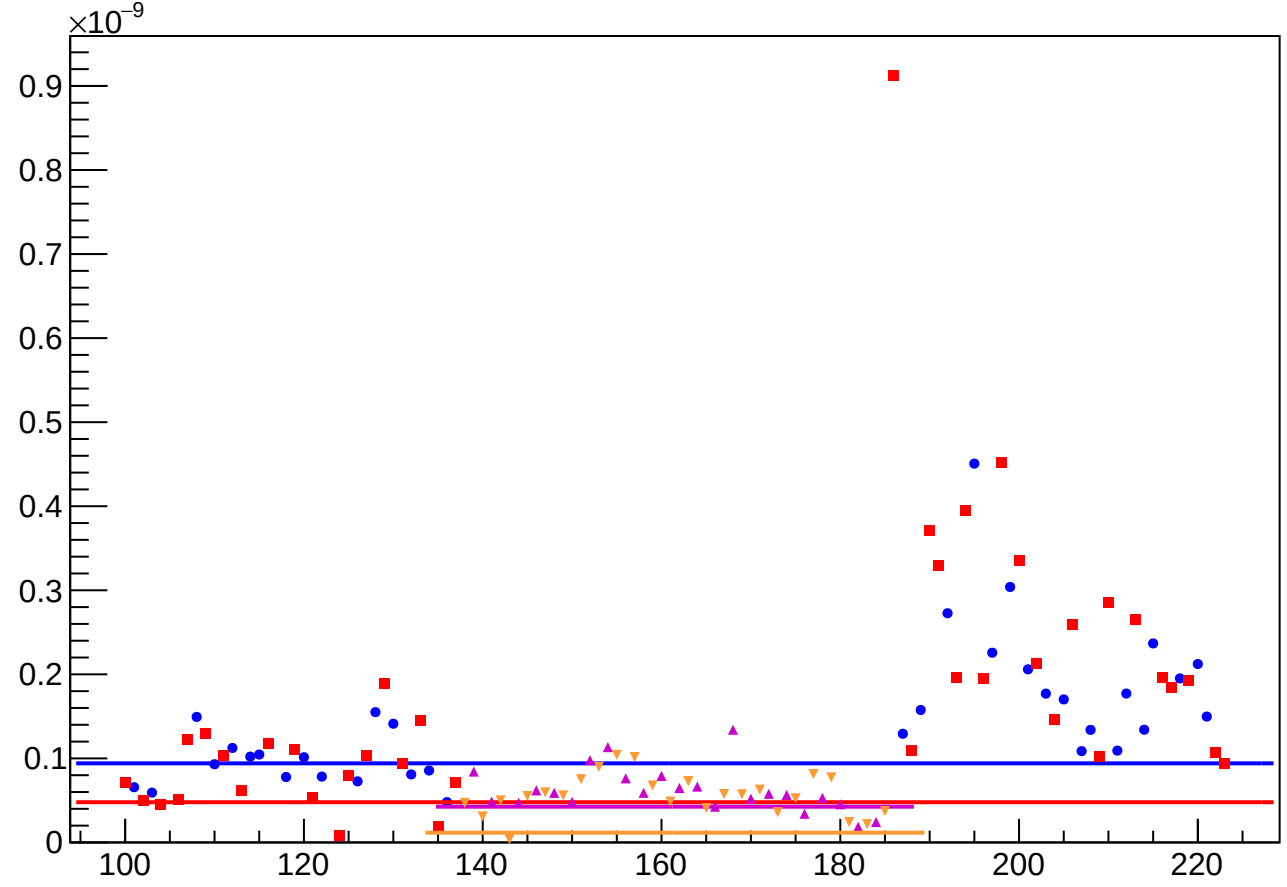
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/38

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/58

All: -0.000+/-0.000 χ^2/NDF: 102.6/120

- sign -0.000+/-0.000 χ^2/NDF: 57.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 6429011.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16468986.9/38

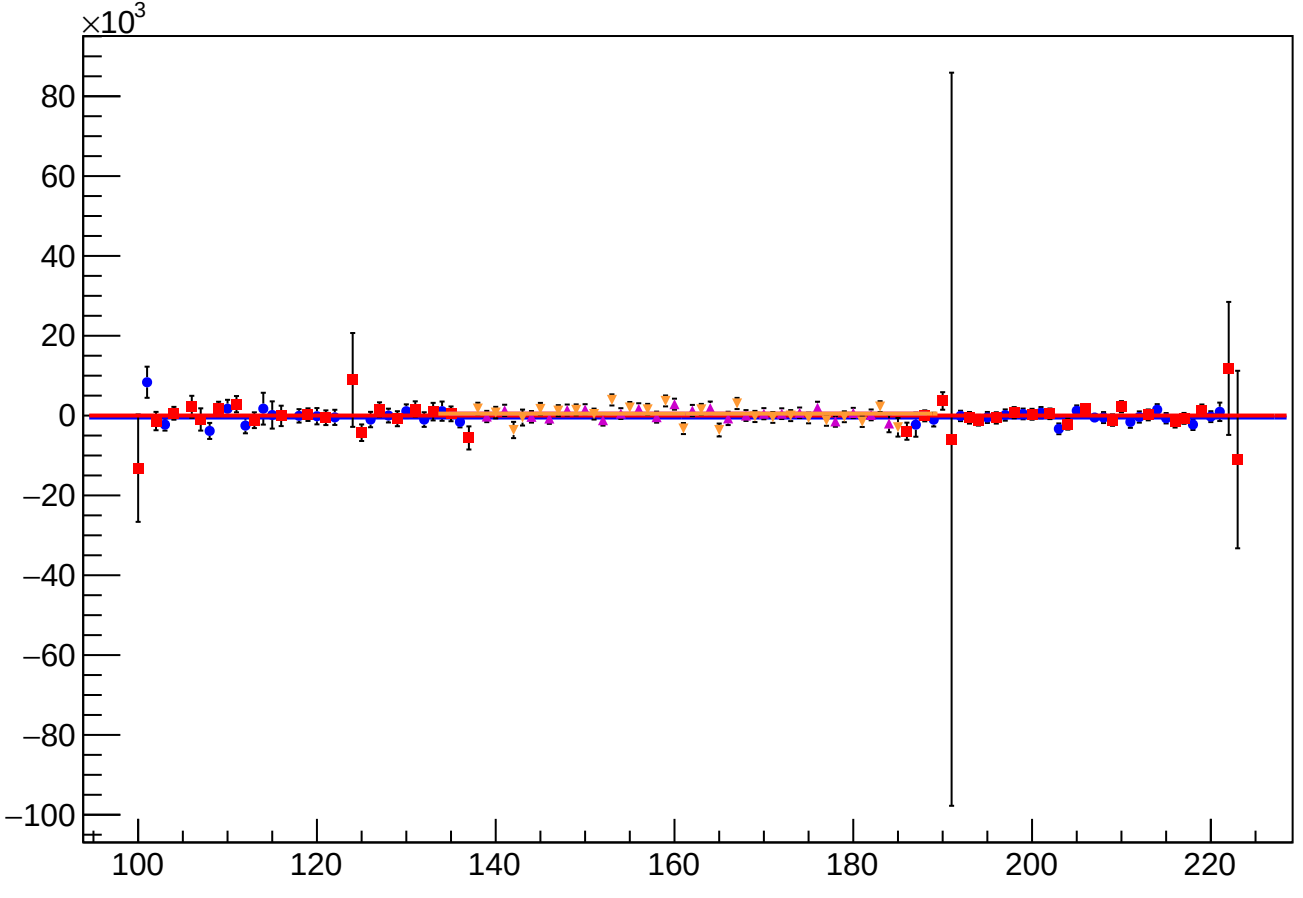
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 39010848.4/58

All: 0.000+/-0.000 χ^2/NDF: 72061210.5/120

- sign 0.000+/-0.000 χ^2/NDF: 21985645.4/61

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -487.178+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 12.019+/-281.907 χ^2/NDF: 34.2/38

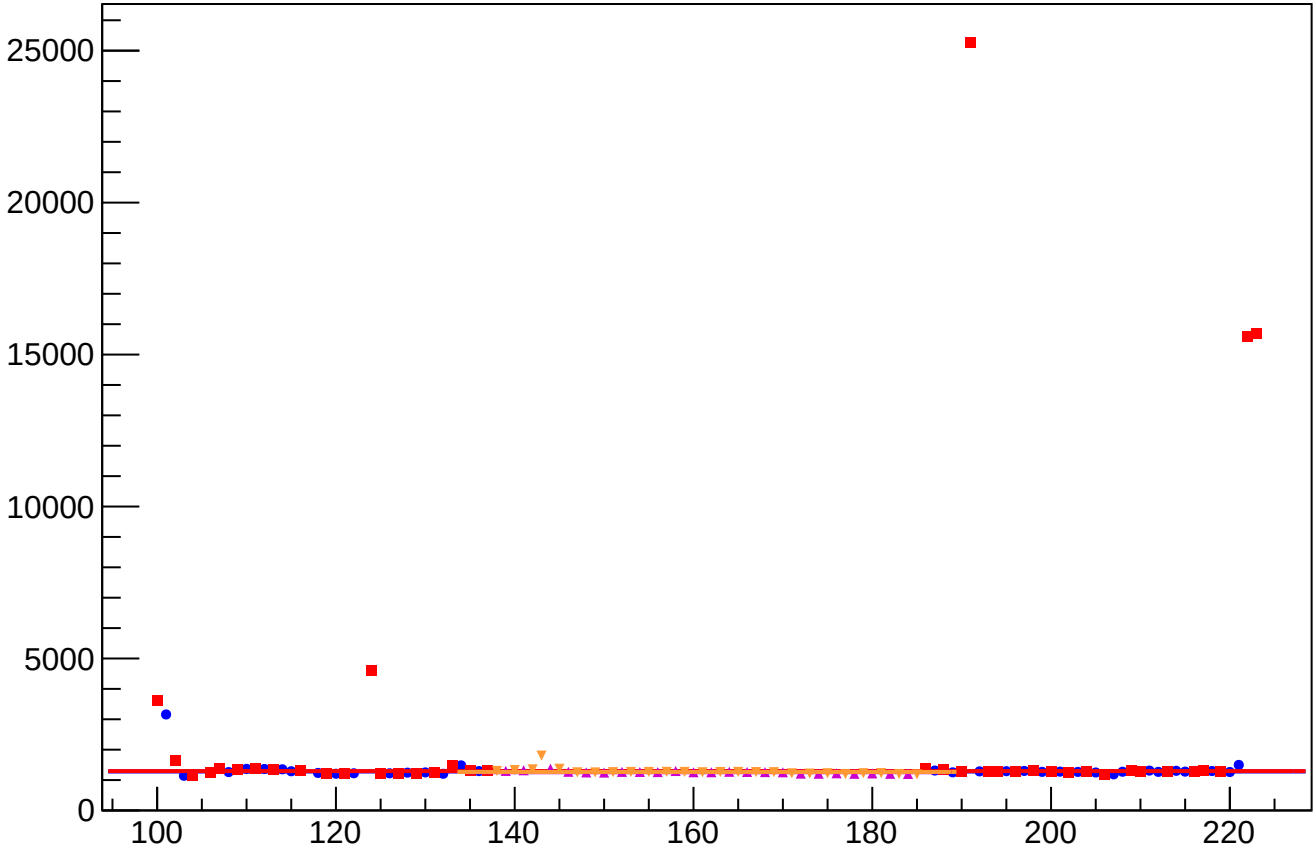
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -14.863+/-200.359 χ^2/NDF: 79.5/58

All: 110.471+/-142.739 χ^2/NDF: 130.3/120

- sign 239.641+/-203.403 χ^2/NDF: 50.0/61

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548621.5/33

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

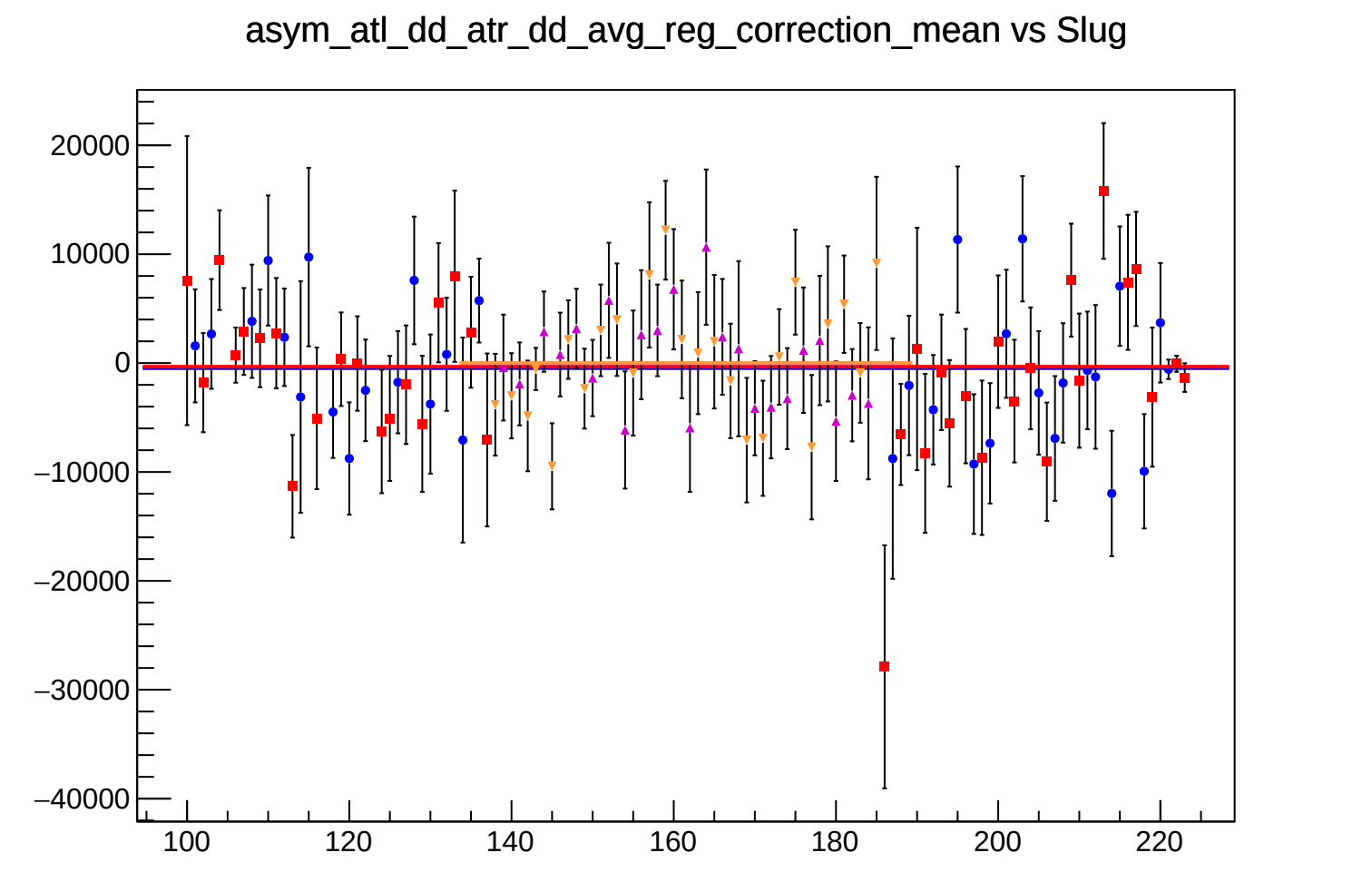
Right Out: 1294.888+/-0.199 χ^2/NDF: 2794245.7/38

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739020.3/58

All: 1275.890+/-0.101 χ^2/NDF: 3587033.7/12

- sign 1277.005+/-0.144 χ^2/NDF: 2847894.9/61



Right In: -464.733+/-656.771 χ^2/NDF: 38.6/33

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

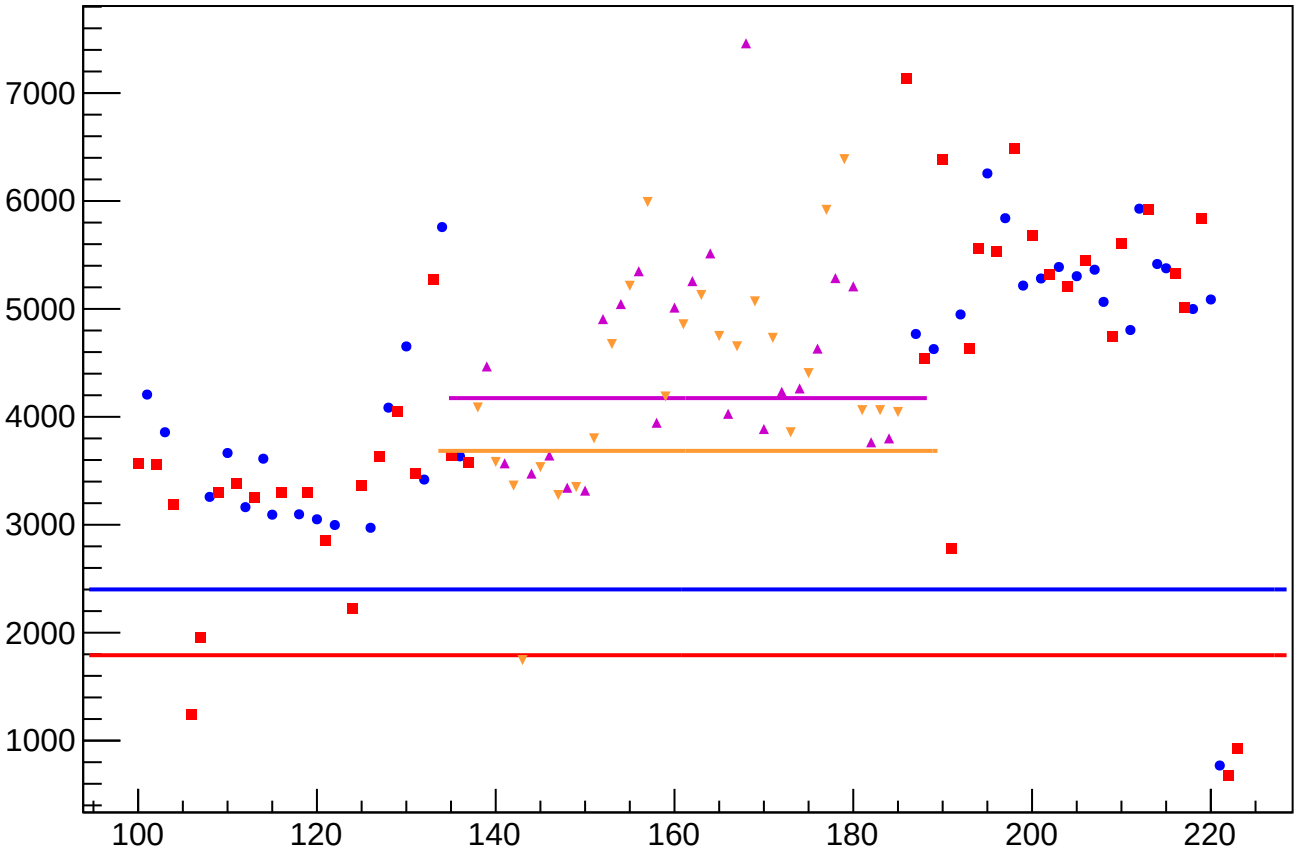
Right Out: -333.408+/-518.067 χ^2/NDF: 47.6/38

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -300.258+/-527.721 χ^2/NDF: 67.8/58

All: -282.522+/-346.562 χ^2/NDF: 129.5/120

- sign -269.073+/-459.546 χ^2/NDF: 61.7/61



Right In: 2400.923+/-0.464 χ^2/NDF: 16646929.0/33

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 1791.388+/-0.366 χ^2/NDF: 21100841.1/38

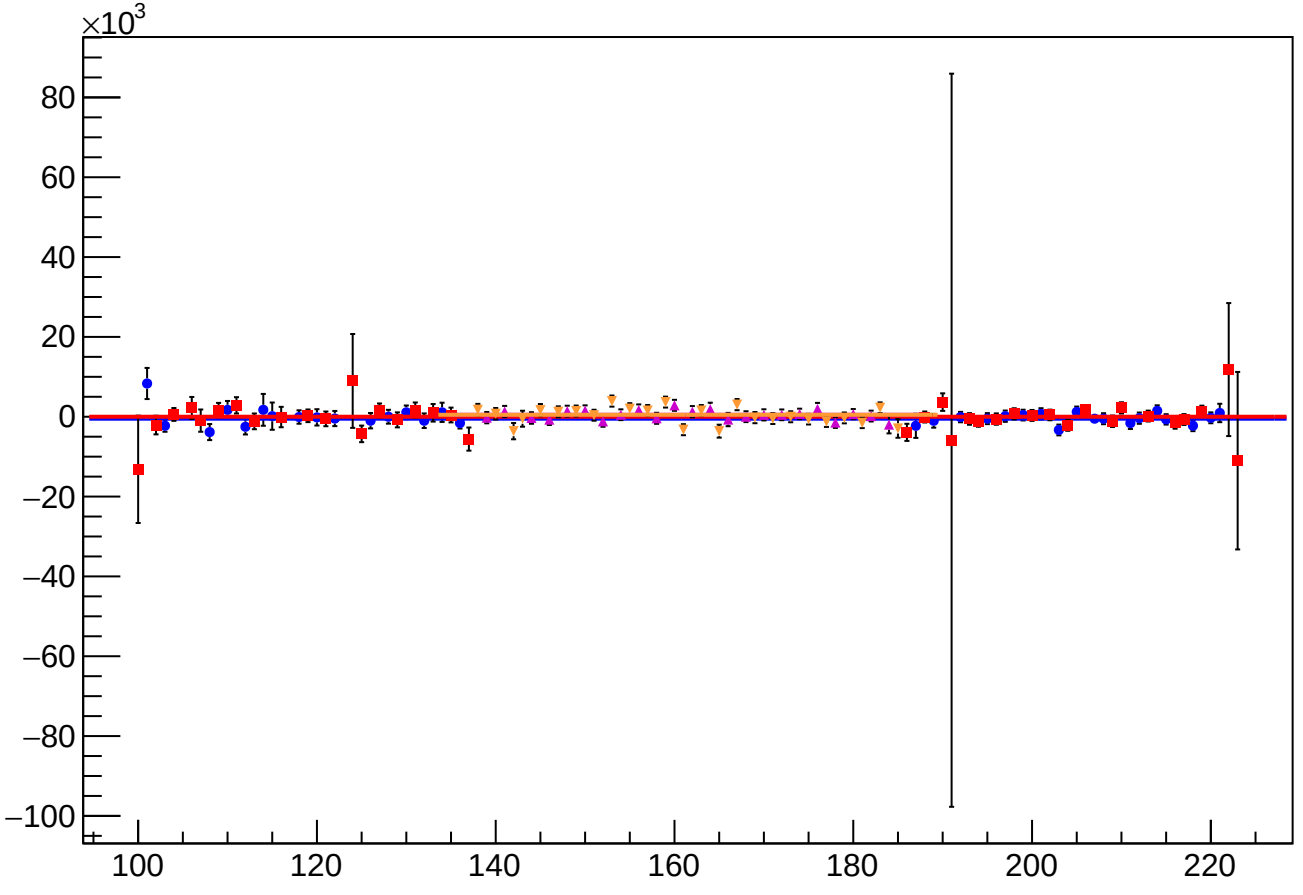
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 2855.885+/-0.373 χ^2/NDF: 23048835.8/58

All: 2539.269+/-0.245 χ^2/NDF: 55704362.1/1

- sign 2299.174+/-0.325 χ^2/NDF: 31389665.9/61

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 2.334+/-281.970 χ^2/NDF: 34.7/38

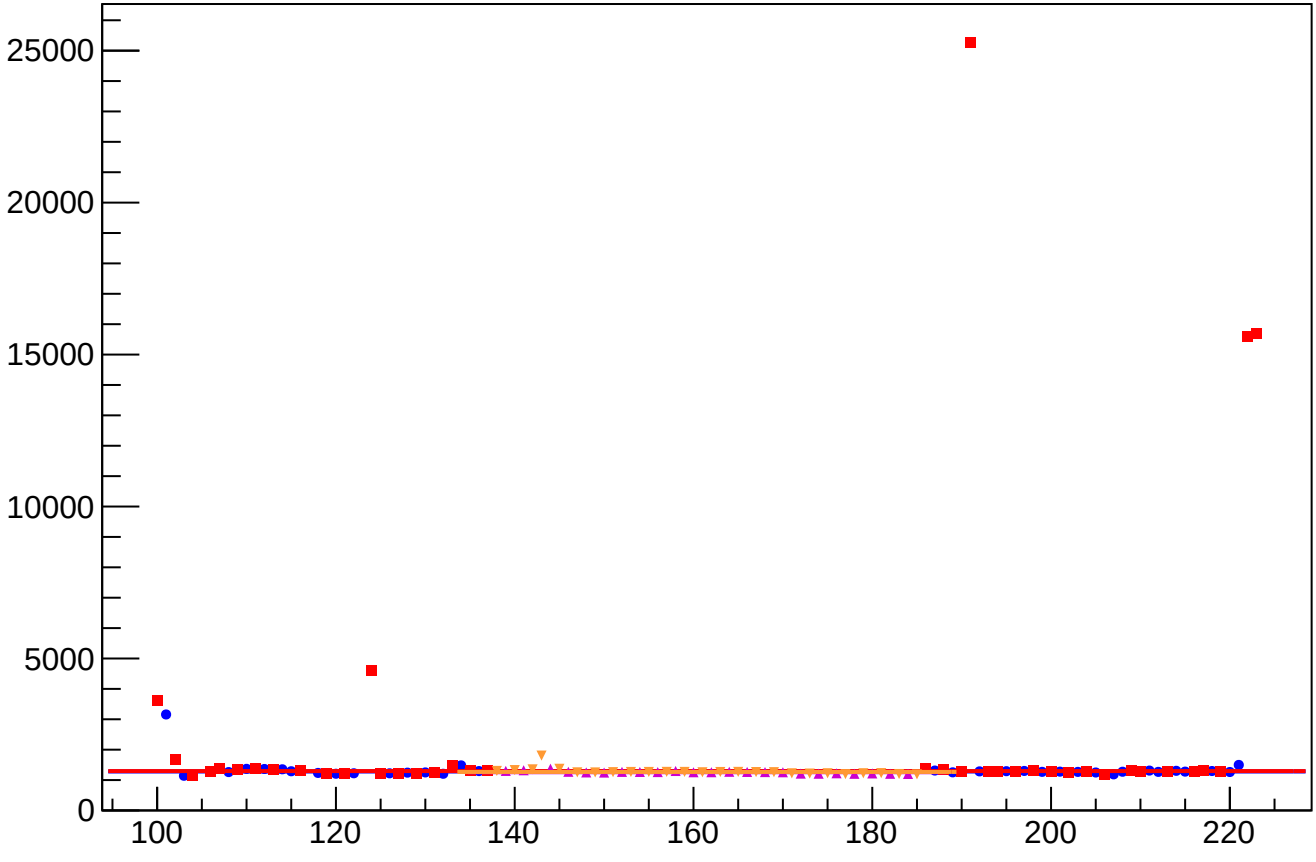
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.947+/-142.747 χ^2/NDF: 130.7/120

- sign 234.604+/-203.426 χ^2/NDF: 50.5/61

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

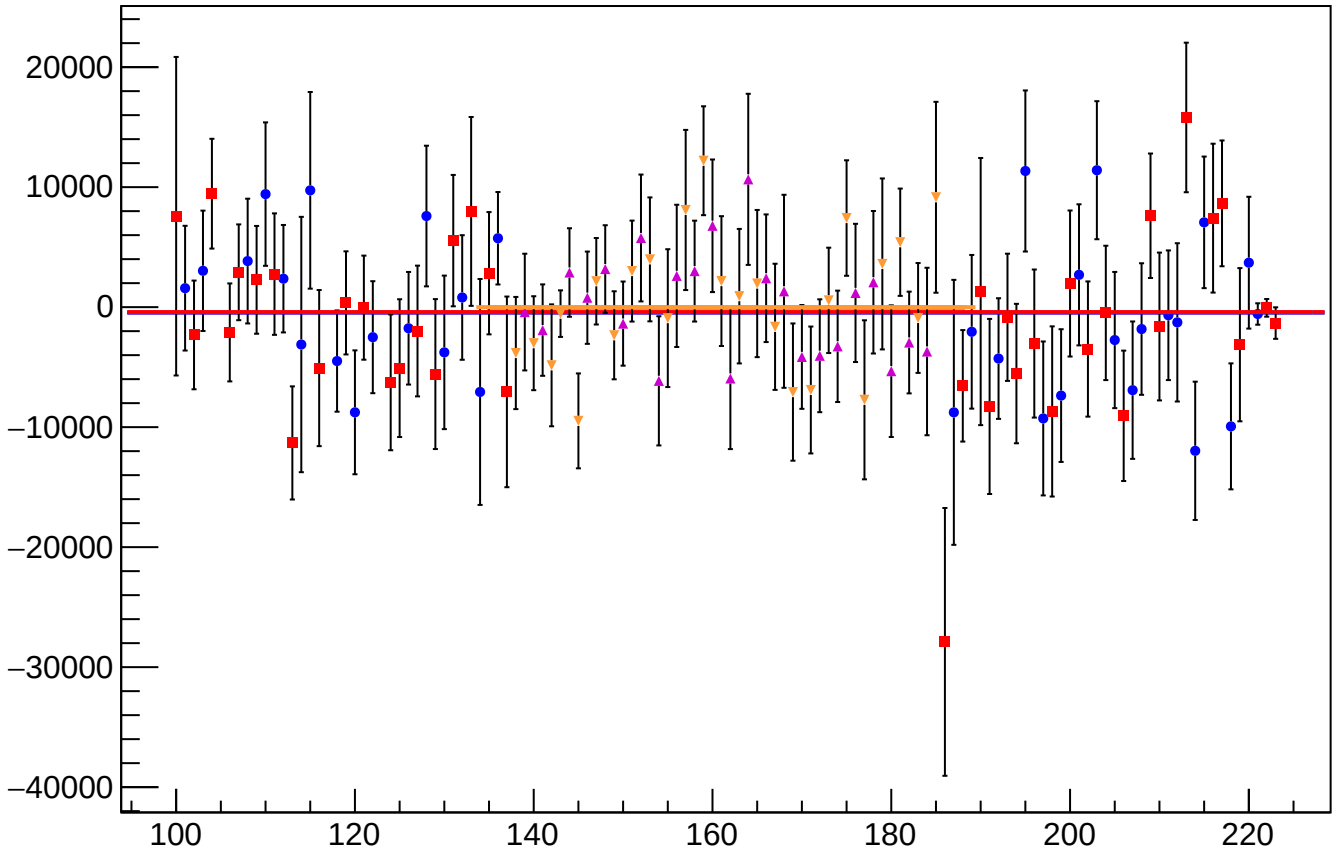
Right Out: 1295.563+/-0.199 χ^2/NDF: 2800930.2/38

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

- sign 1277.348+/-0.144 χ^2/NDF: 2855185.5/61



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

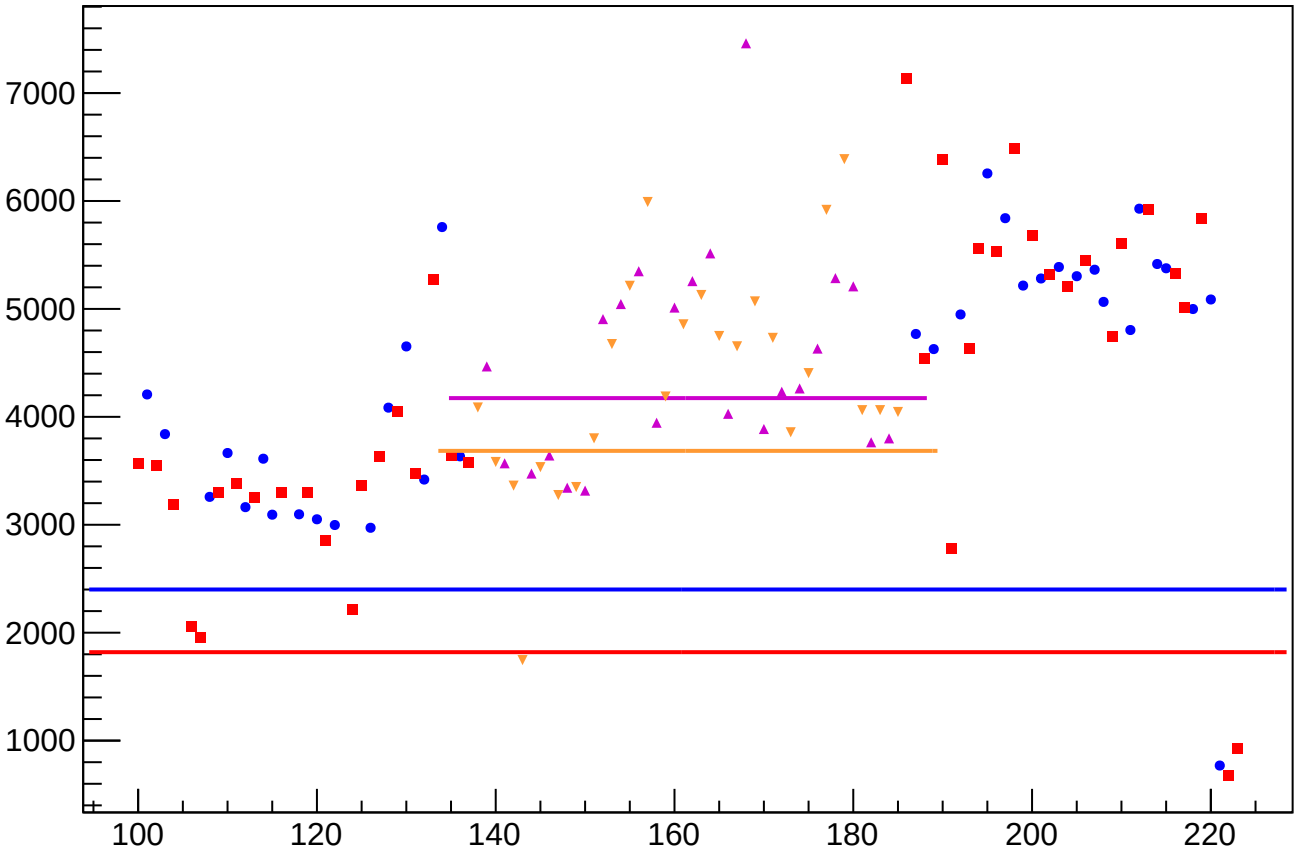
Right Out: -412.600+/-524.842 χ^2/NDF: 47.6/38

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -314.884+/-348.545 χ^2/NDF: 129.7/120

- sign -329.712+/-464.255 χ^2/NDF: 61.8/61



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 1819.492+/-0.371 χ^2/NDF: 21007788.1/38

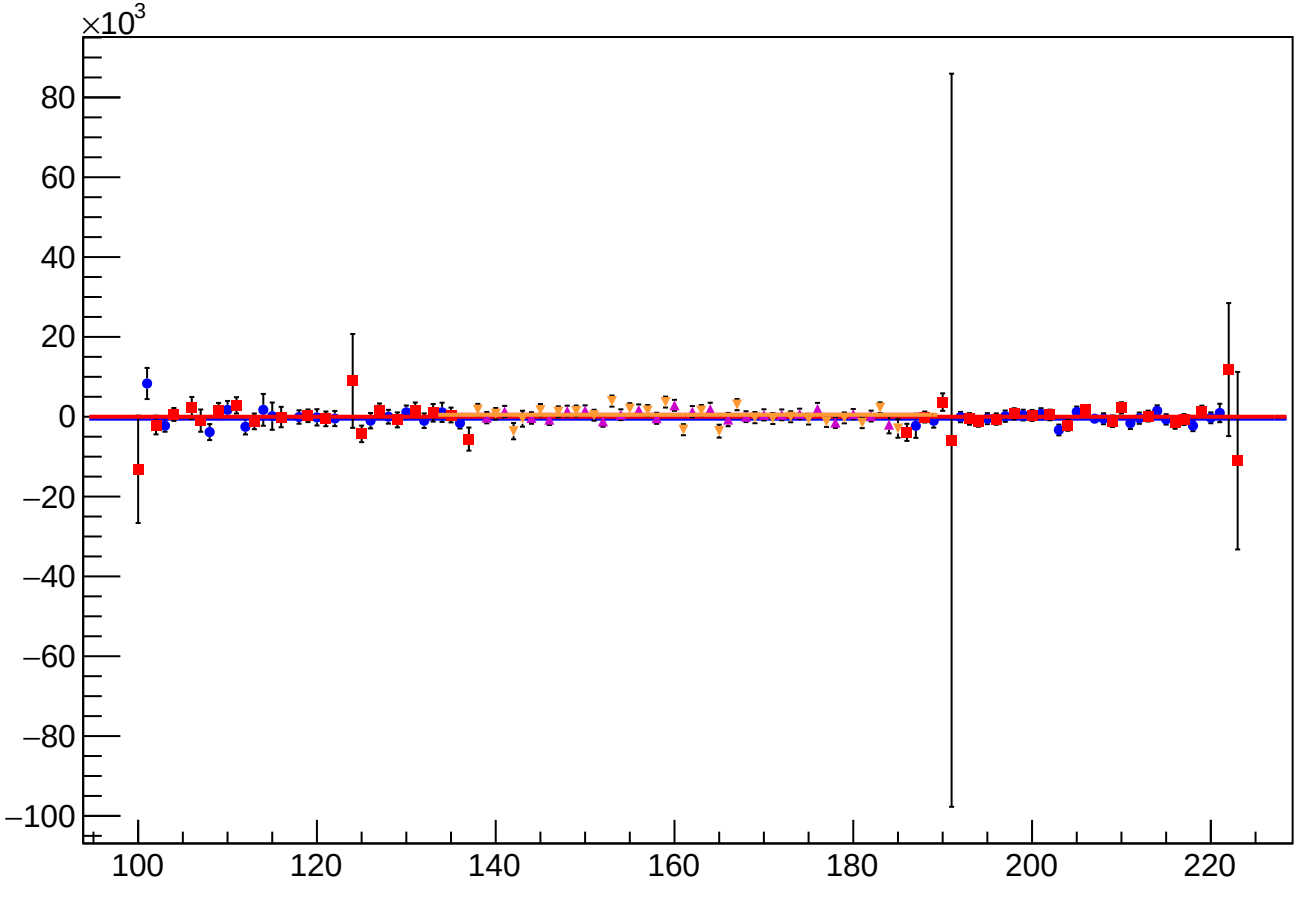
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/1

- sign 2331.623+/-0.328 χ^2/NDF: 31036033.5/61

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 2.334+/-281.970 χ^2/NDF: 34.7/38

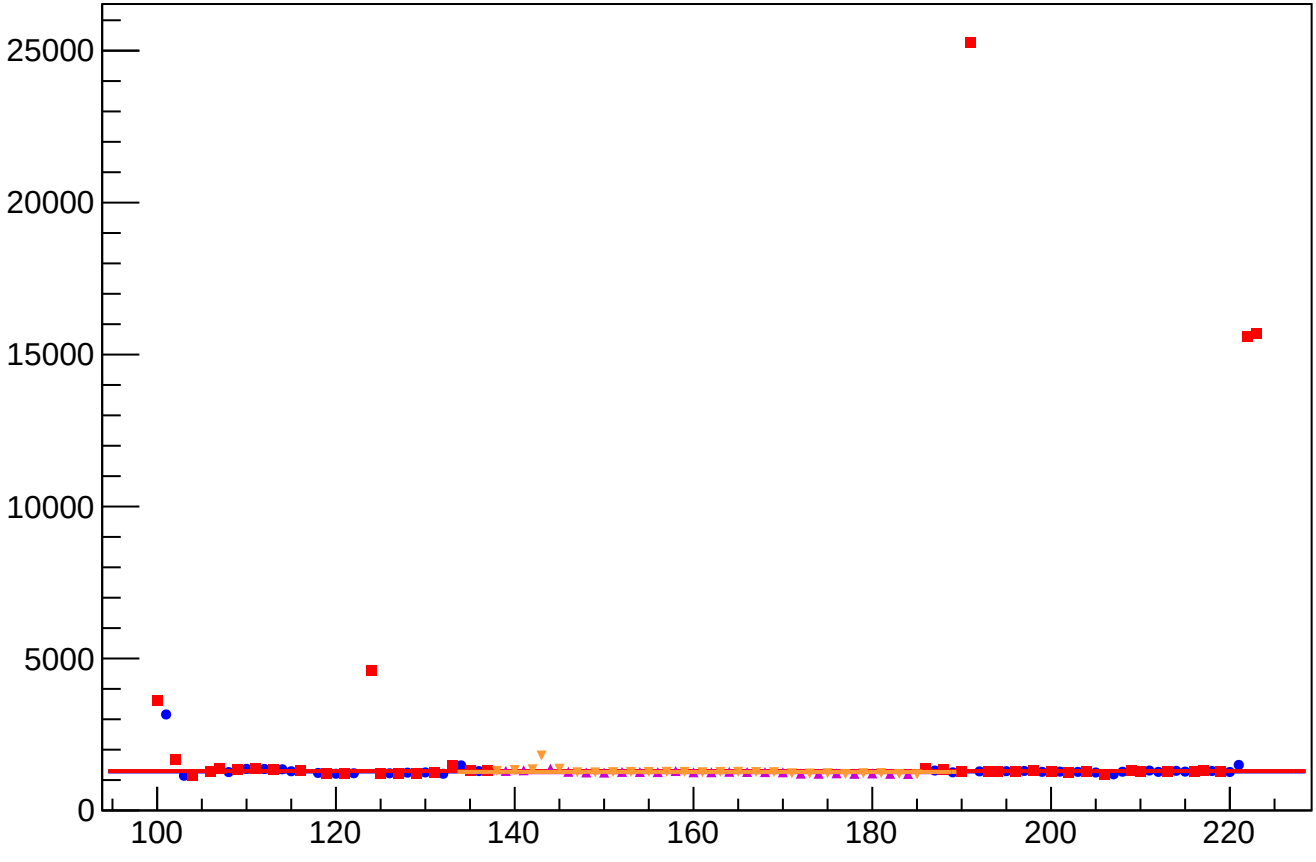
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.947+/-142.747 χ^2/NDF: 130.7/120

- sign 234.604+/-203.426 χ^2/NDF: 50.5/61

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

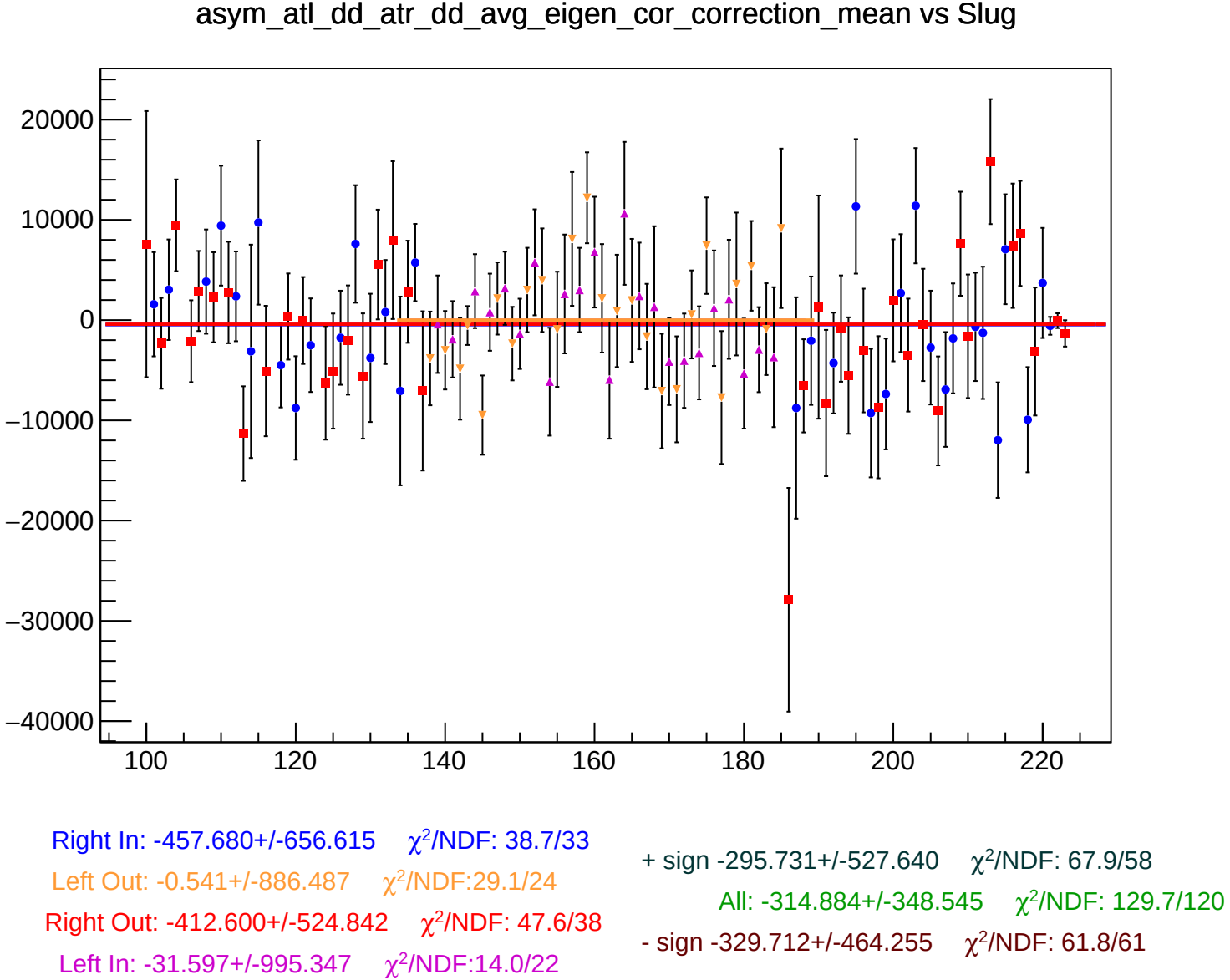
Right Out: 1295.563+/-0.199 χ^2/NDF: 2800930.2/38

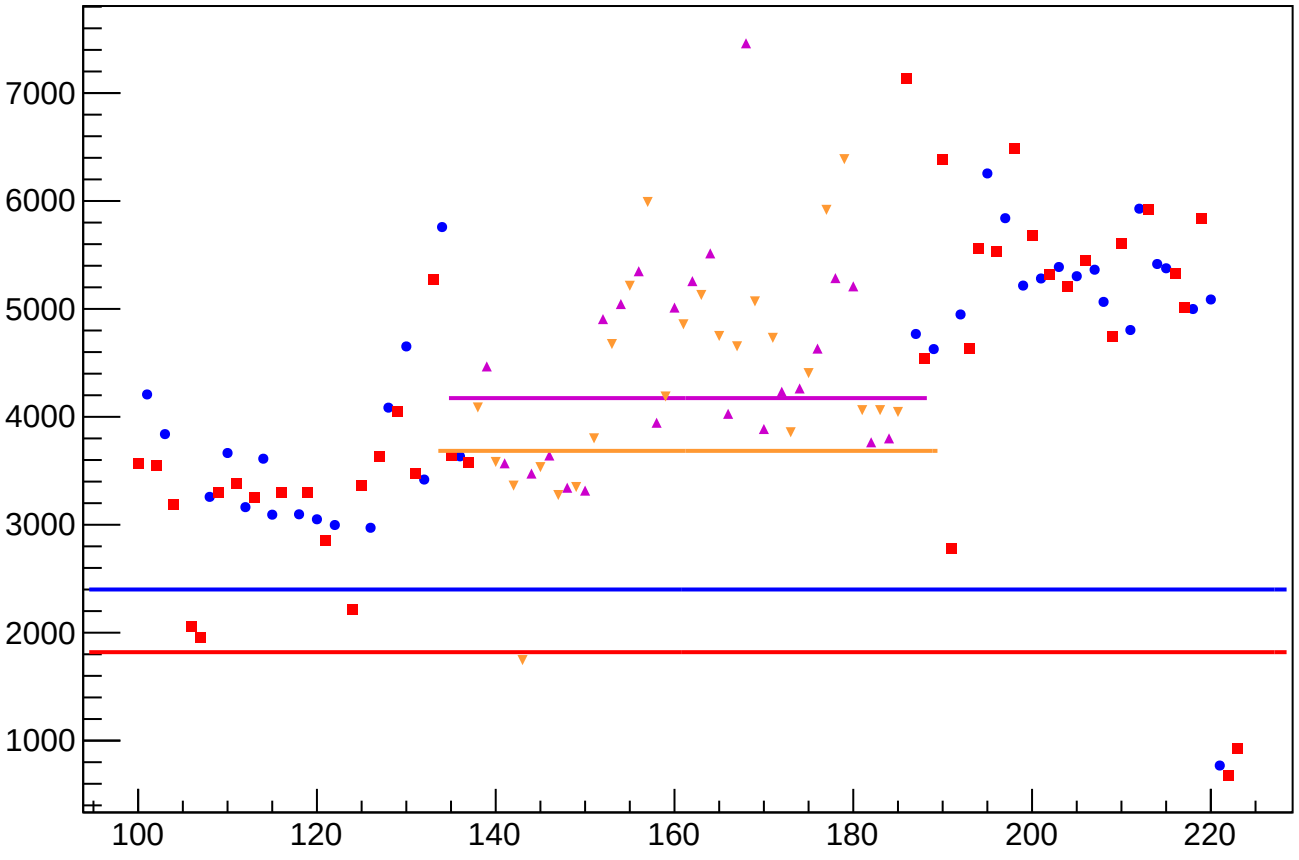
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

- sign 1277.348+/-0.144 χ^2/NDF: 2855185.5/61


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -457.680+/-656.615 χ²/NDF: 38.7/33
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -412.600+/-524.842 χ²/NDF: 47.6/38
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign -295.731+/-527.640 χ²/NDF: 67.9/58
All: -314.884+/-348.545 χ²/NDF: 129.7/120
- sign -329.712+/-464.255 χ²/NDF: 61.8/61



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

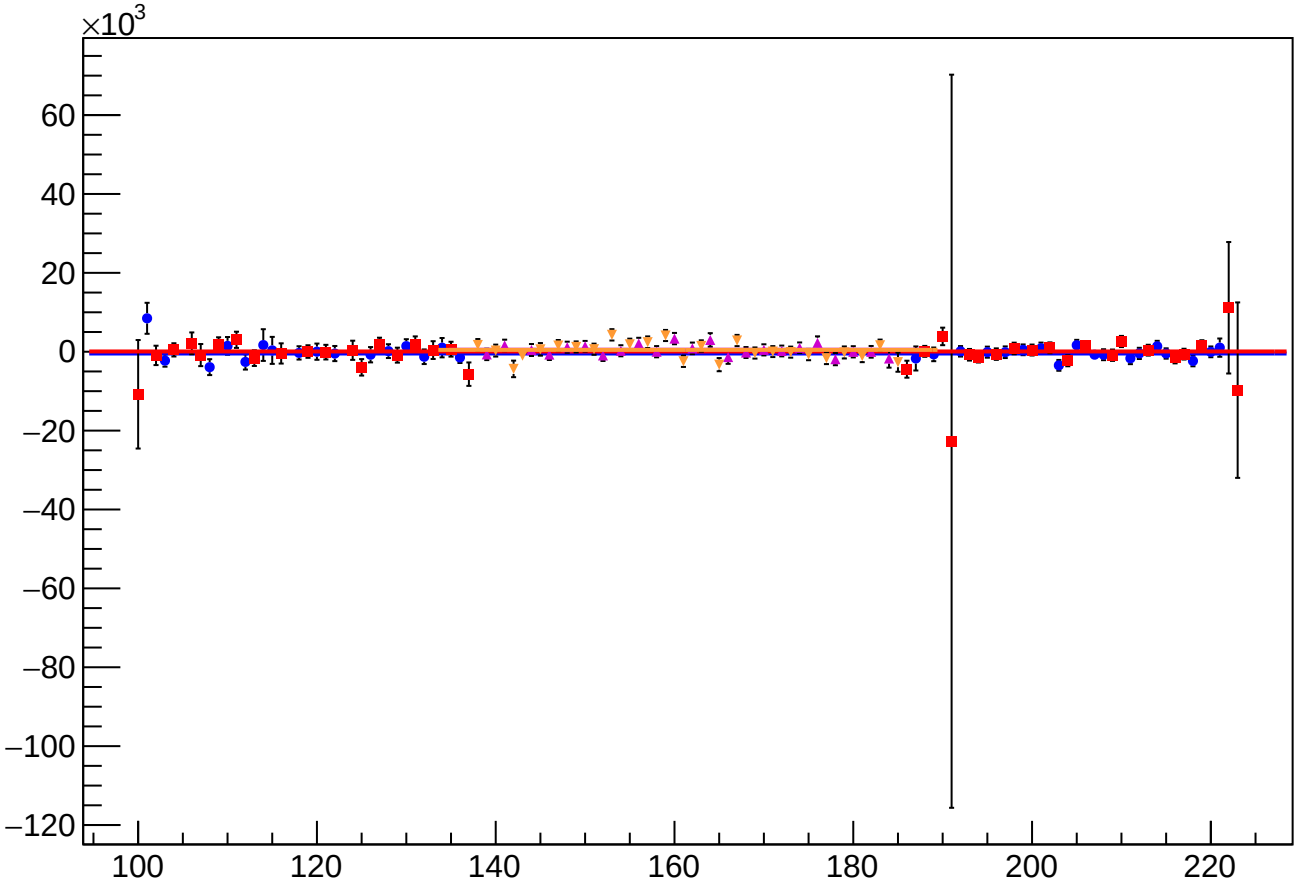
Right Out: 1819.492+/-0.371 χ^2/NDF: 21007788.1/38

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/1

- sign 2331.623+/-0.328 χ^2/NDF: 31036033.5/61



Right In: -448.114+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 67.858+/-284.000 χ^2/NDF: 35.8/38

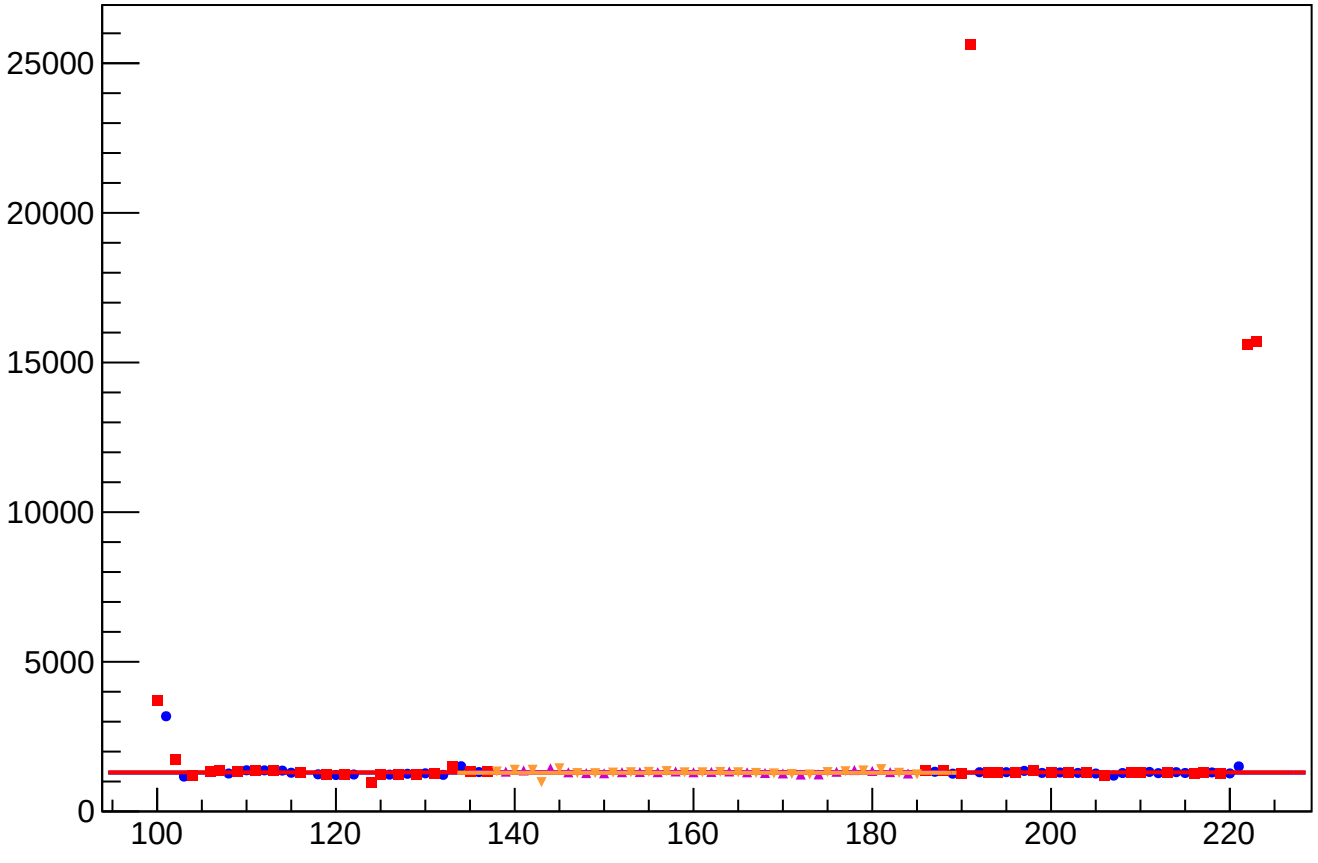
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign -9.940+/-203.513 χ^2/NDF: 77.2/58

All: 126.032+/-145.634 χ^2/NDF: 132.4/120

\- sign 268.739+/-208.493 χ^2/NDF: 54.3/61

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.8/33

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

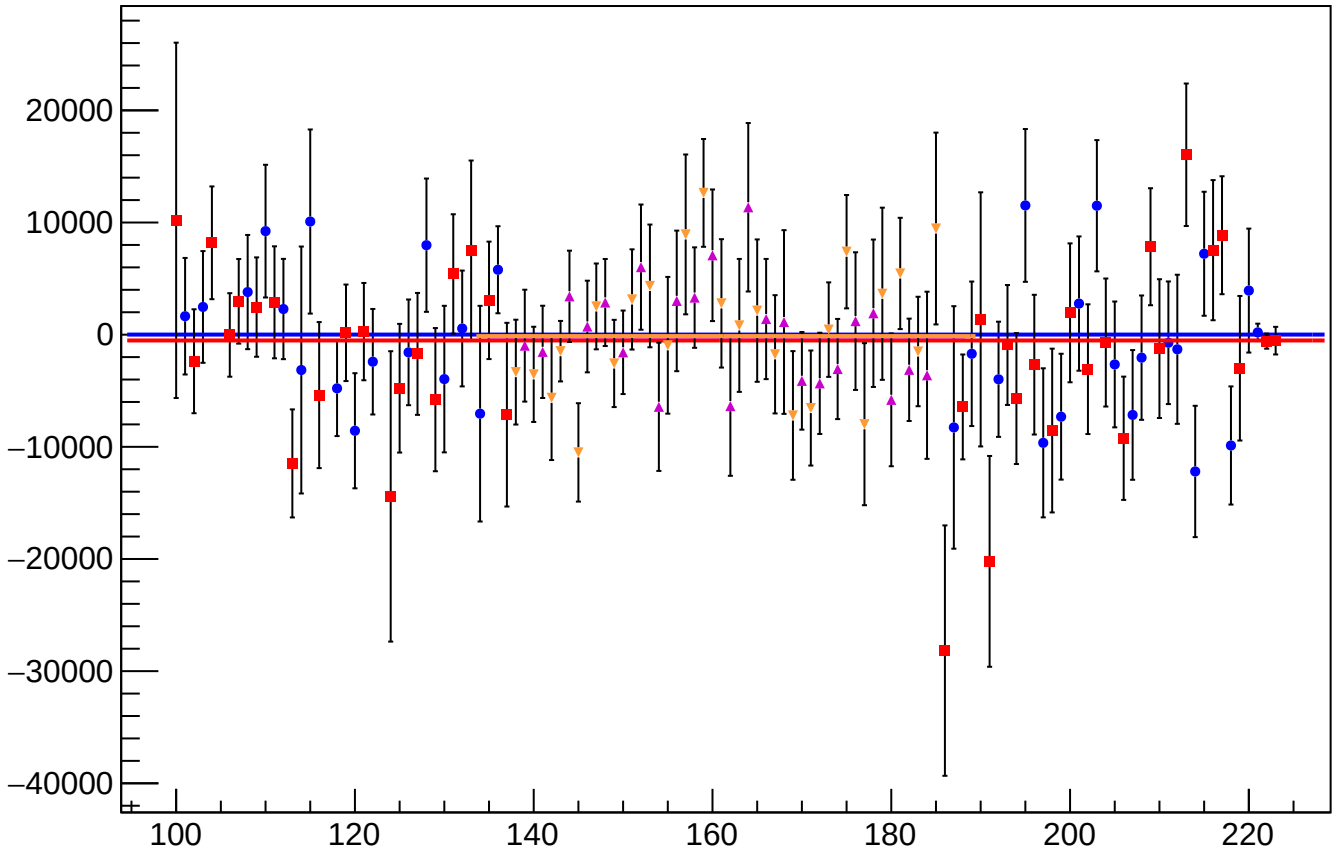
Right Out: 1306.040+/-0.201 χ^2/NDF: 2686655.6/38

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.351+/-0.144 χ^2/NDF: 778438.5/58

All: 1301.847+/-0.103 χ^2/NDF: 3514424.4/12

- sign 1309.712+/-0.147 χ^2/NDF: 2730425.9/61



Right In: 8.316+/-607.722 χ^2/NDF: 38.6/33

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

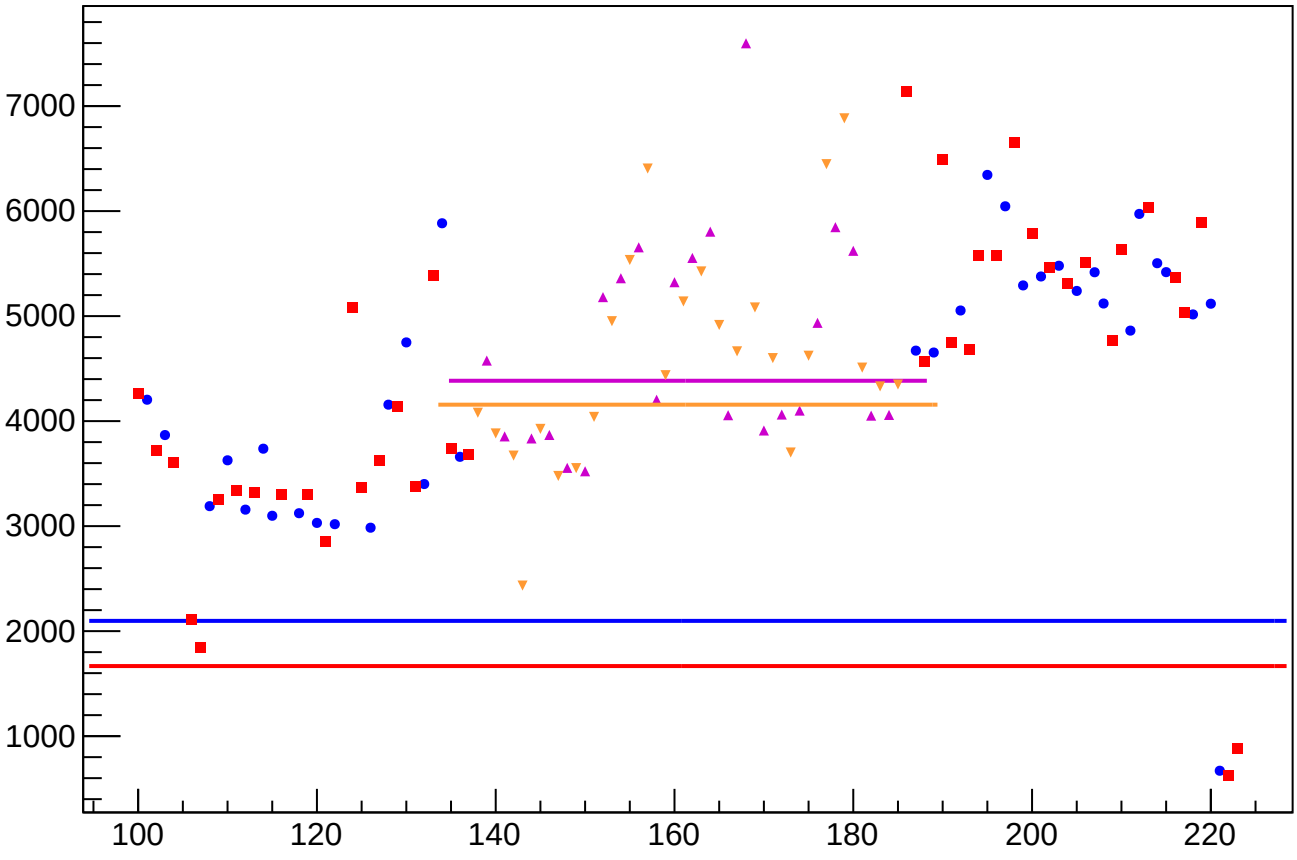
Right Out: -515.576+/-497.624 χ^2/NDF: 48.5/38

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -29.498+/-516.069 χ^2/NDF: 67.2/58

All: -268.569+/-338.878 χ^2/NDF: 130.0/120

- sign -449.801+/-449.325 χ^2/NDF: 62.4/61



Right In: 2097.688+/-0.430 χ^2/NDF: 19570960.5/33

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

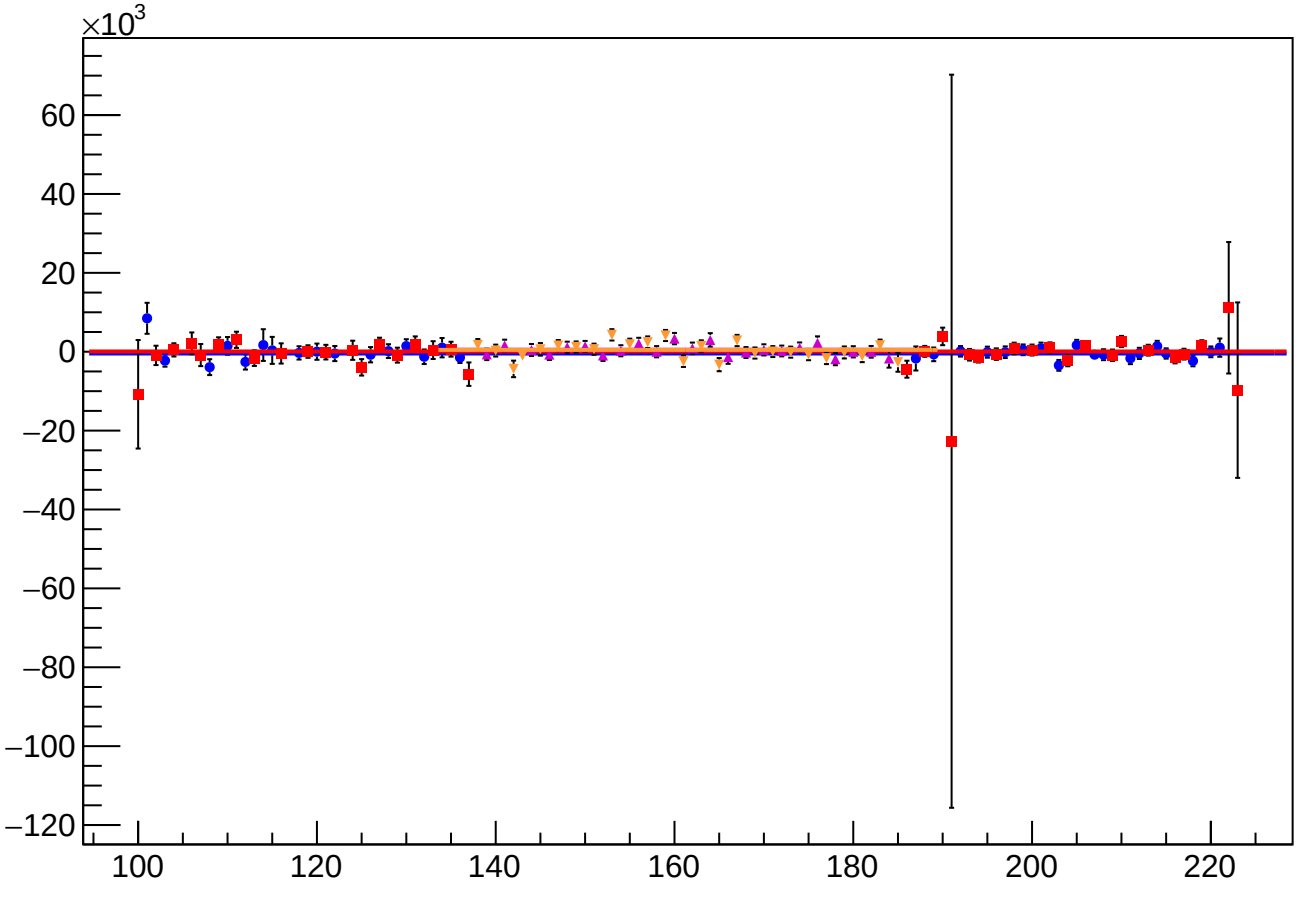
Right Out: 1667.372+/-0.352 χ^2/NDF: 23115118.8/38

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 2671.879+/-0.365 χ^2/NDF: 28053632.9/58

All: 2385.946+/-0.240 χ^2/NDF: 64515326.3/1

- sign 2169.191+/-0.318 χ^2/NDF: 35382310.4/61



Right In: -448.112+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 67.860+/-284.001 χ^2/NDF: 35.8/38

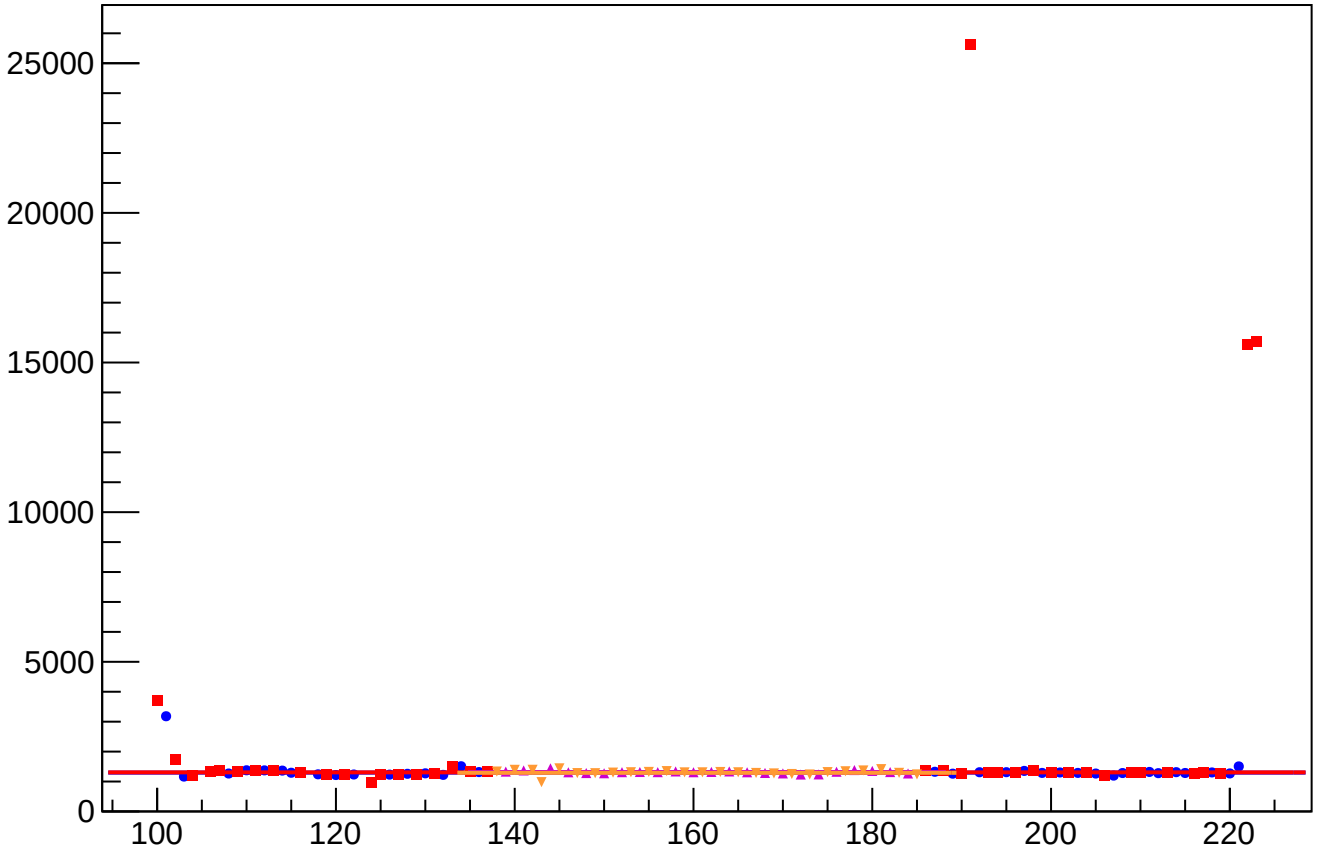
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign -9.937+/-203.513 χ^2/NDF: 77.2/58

All: 126.033+/-145.634 χ^2/NDF: 132.4/120

- sign 268.740+/-208.493 χ^2/NDF: 54.3/61

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.9/33

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

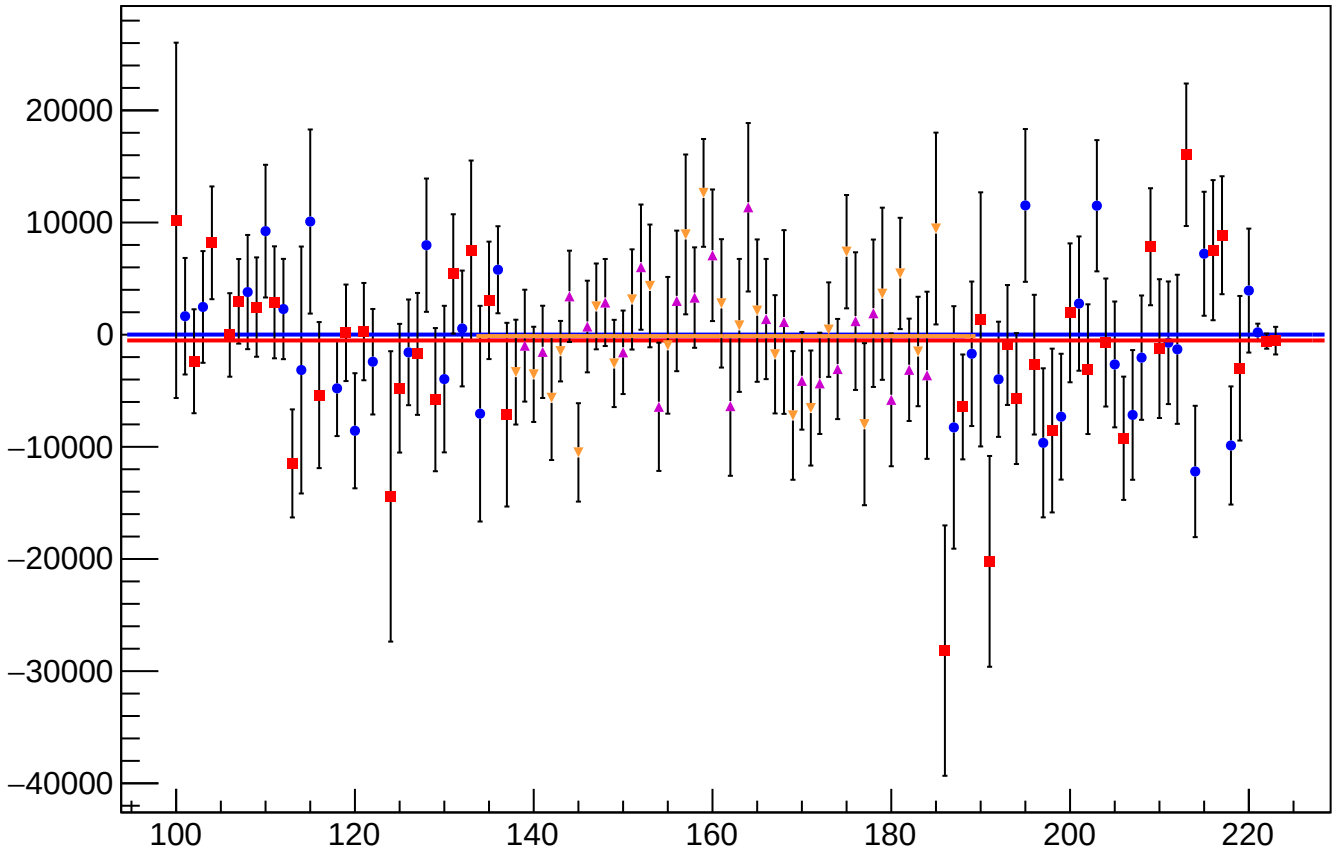
Right Out: 1306.040+/-0.201 χ^2/NDF: 2686655.6/38

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.352+/-0.144 χ^2/NDF: 778440.9/58

All: 1301.847+/-0.103 χ^2/NDF: 3514429.2/12

- sign 1309.712+/-0.147 χ^2/NDF: 2730428.2/61



Right In: 8.322+/-607.725 χ^2/NDF: 38.6/33

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

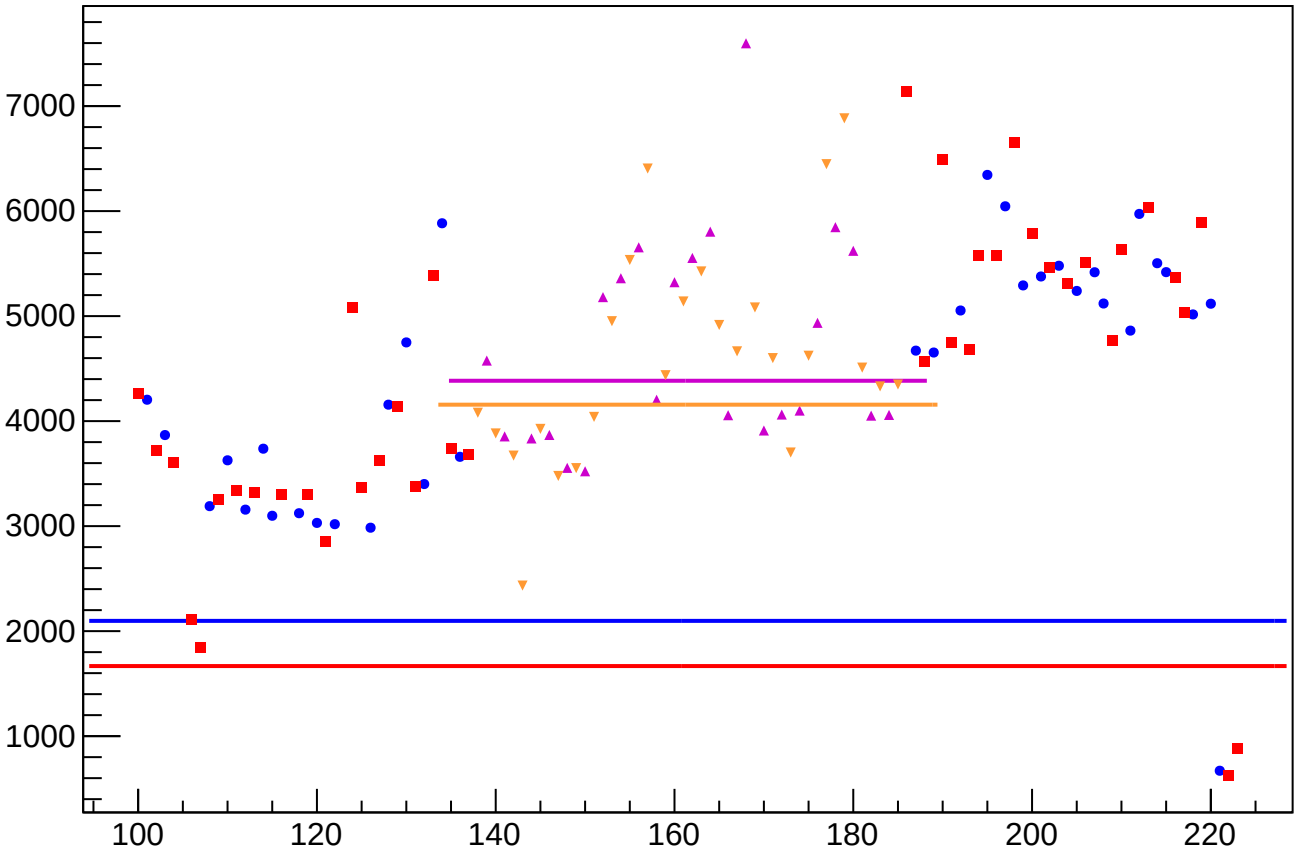
Right Out: -515.578+/-497.626 χ^2/NDF: 48.5/38

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -29.493+/-516.071 χ^2/NDF: 67.2/58

All: -268.568+/-338.879 χ^2/NDF: 130.0/120

- sign -449.802+/-449.326 χ^2/NDF: 62.4/61



Right In: 2097.705+/-0.430 χ^2/NDF: 19570803.2/33

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 1667.380+/-0.352 χ^2/NDF: 23115034.3/38

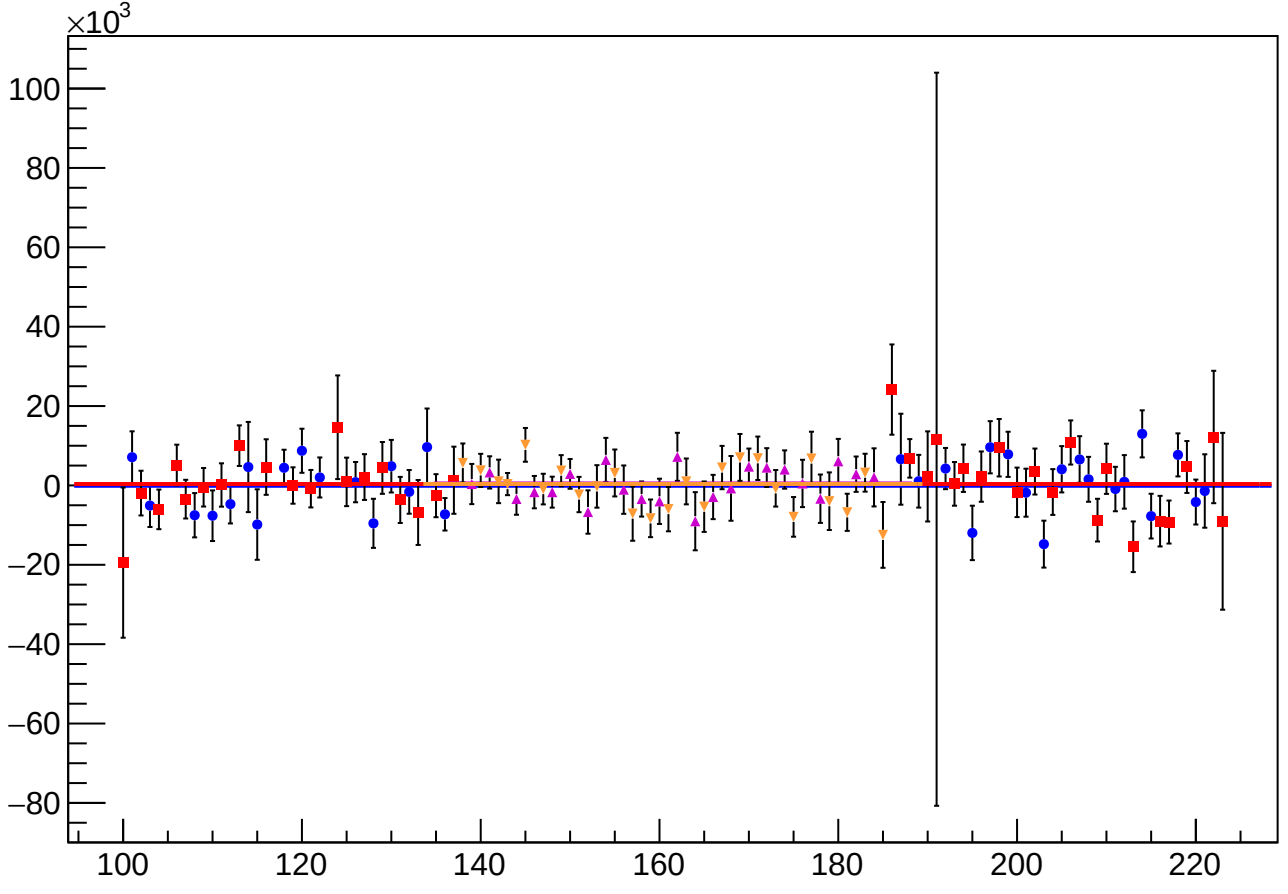
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 2671.895+/-0.365 χ^2/NDF: 28053382.8/58

All: 2385.957+/-0.240 χ^2/NDF: 64514977.8/1

- sign 2169.199+/-0.318 χ^2/NDF: 35382183.6/61

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -85.048+/-1017.030 χ^2/NDF: 44.0/33

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 354.309+/-993.553 χ^2/NDF: 39.8/38

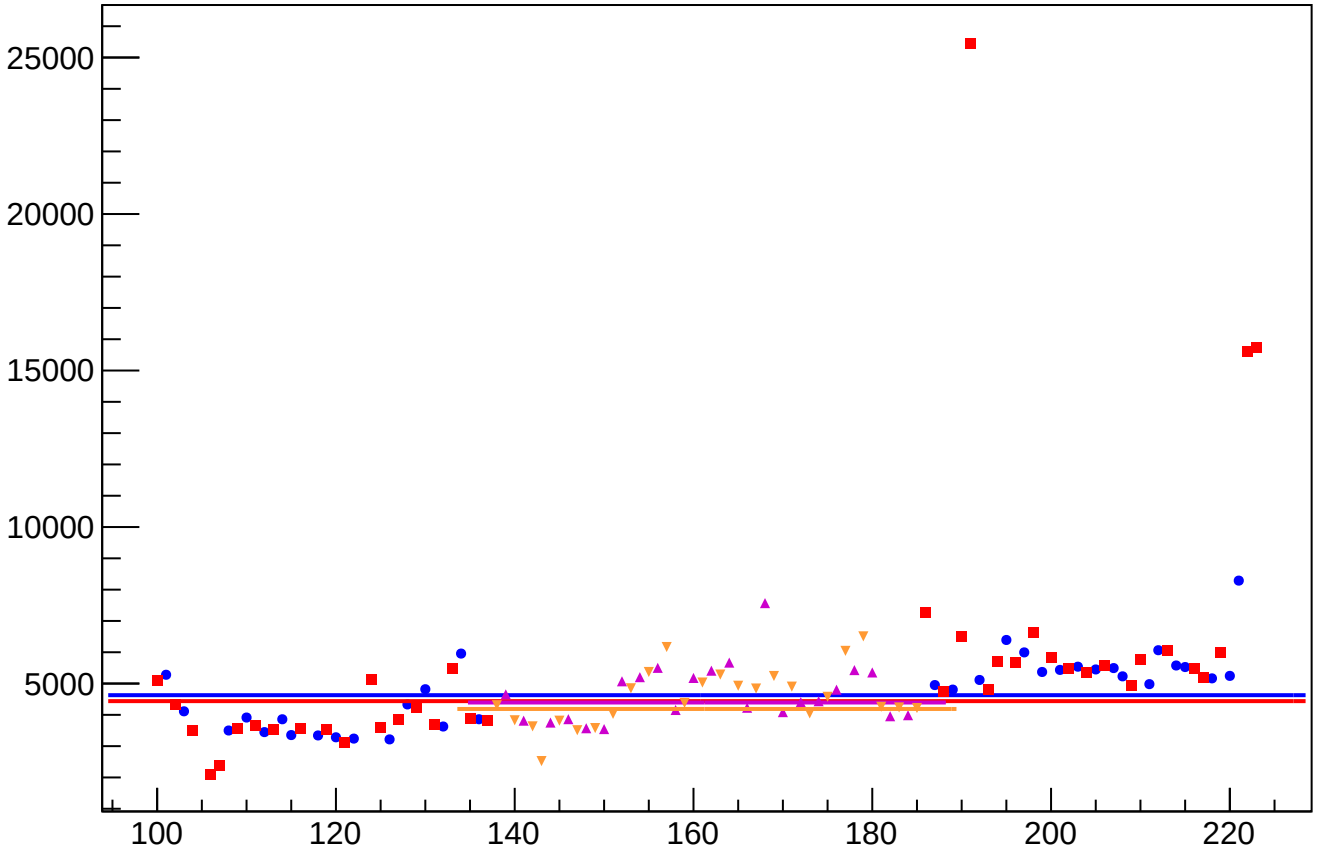
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 147.068+/-705.641 χ^2/NDF: 71.7/58

All: 281.933+/-503.947 χ^2/NDF: 125.5/120

- sign 422.323+/-719.953 χ^2/NDF: 53.7/61

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4628.356+/-0.719 χ^2/NDF: 2095028.5/33

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

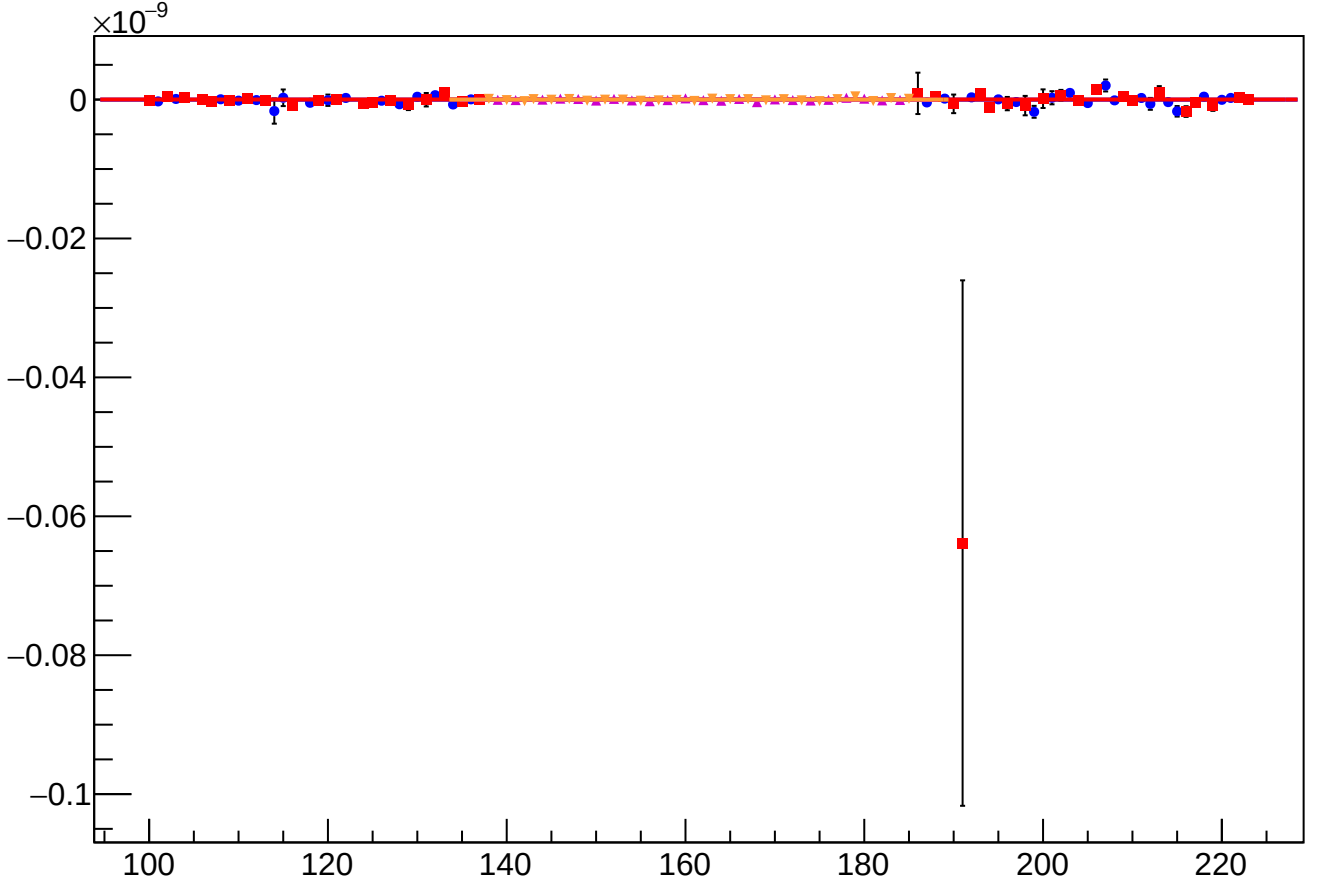
Right Out: 4438.226+/-0.697 χ^2/NDF: 4431422.5/38

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4399.906+/-0.499 χ^2/NDF: 4085959.8/58

All: 4408.583+/-0.356 χ^2/NDF: 9608259.9/12

- sign 4417.543+/-0.507 χ^2/NDF: 5521685.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

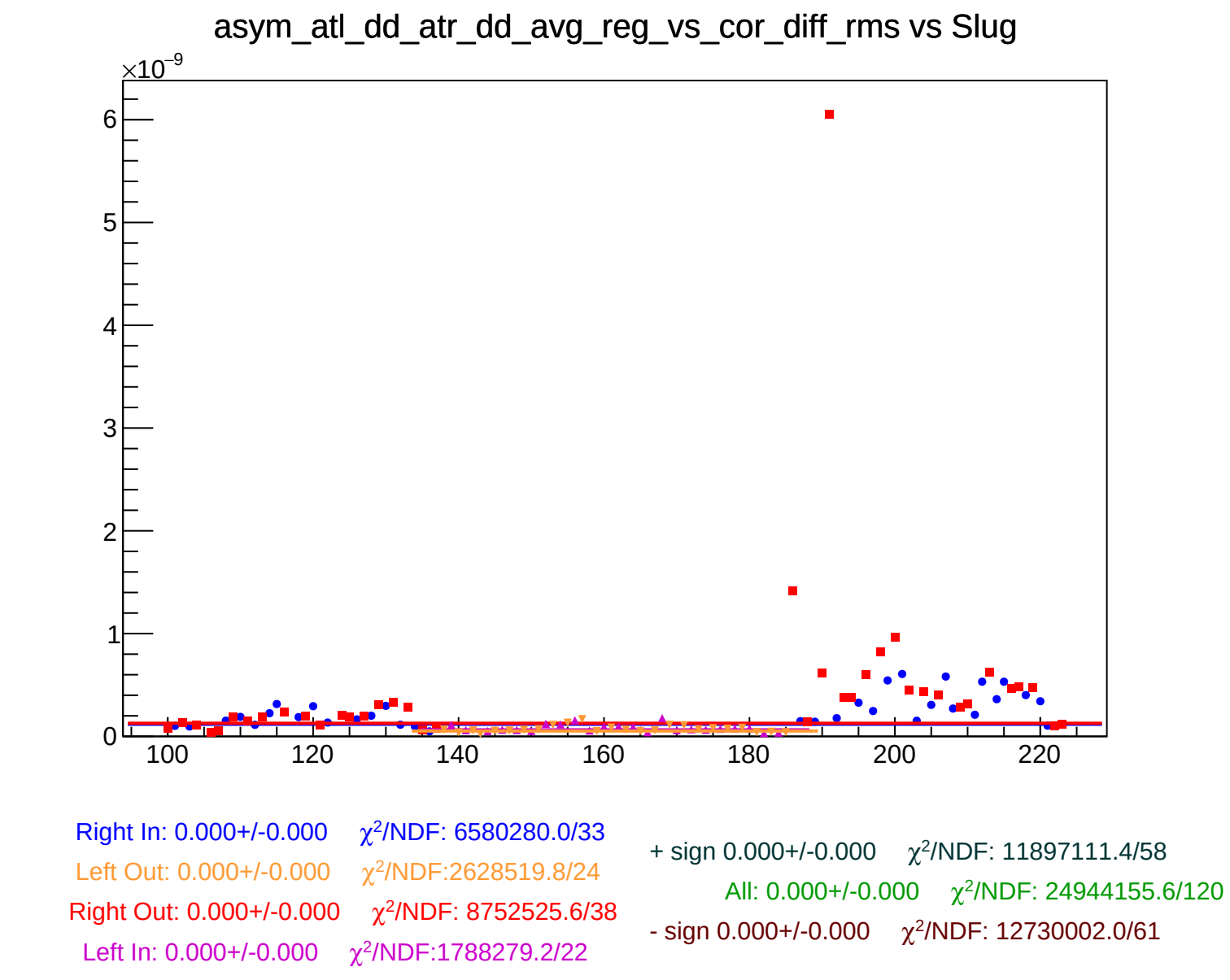
Right Out: 0.000+/-0.000 χ^2/NDF: 44.9/38

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.8/58

All: -0.000+/-0.000 χ^2/NDF: 135.1/120

- sign -0.000+/-0.000 χ^2/NDF: 62.2/61


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
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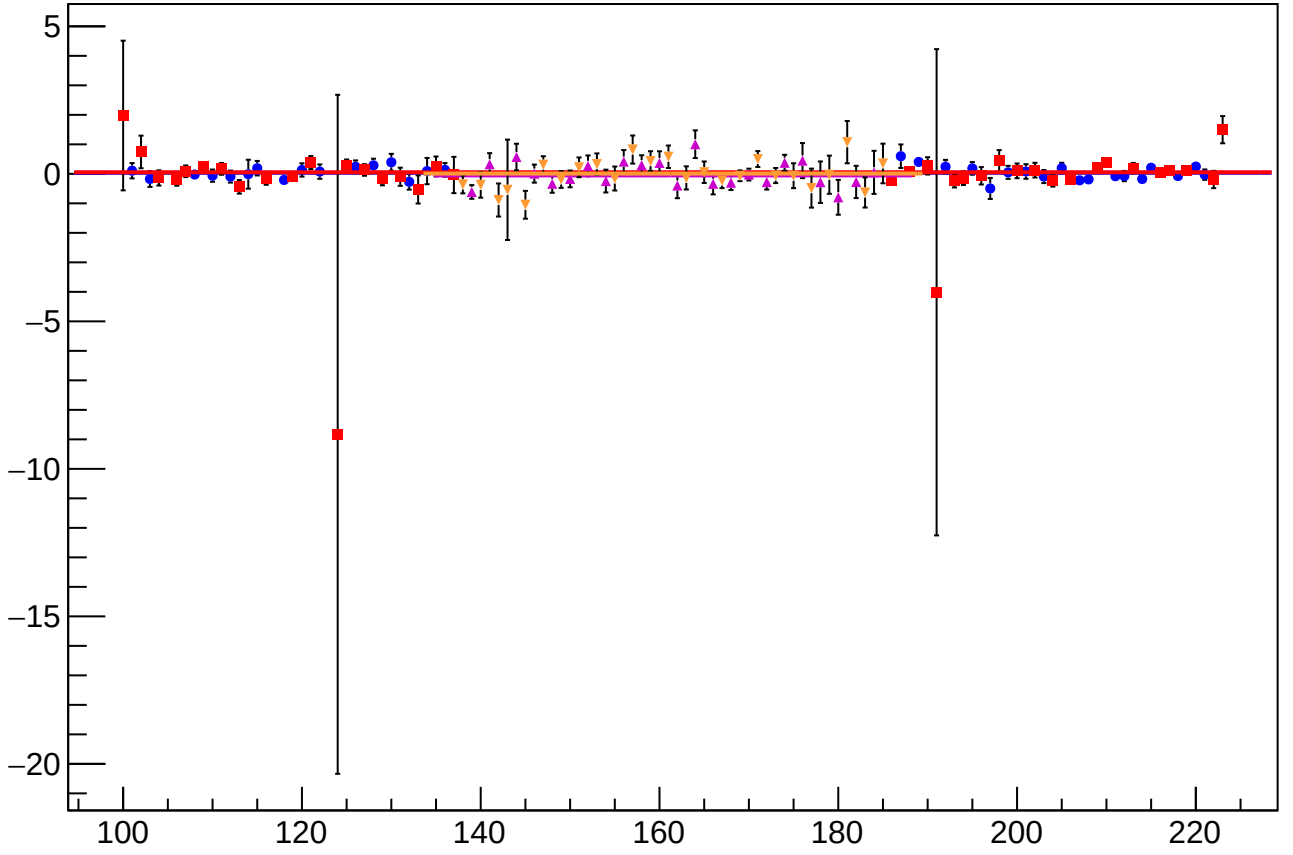
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6580280.0/33
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8752525.6/38
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11897111.4/58
All: 0.000+/-0.000 χ²/NDF: 24944155.6/120
- sign 0.000+/-0.000 χ²/NDF: 12730002.0/61

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

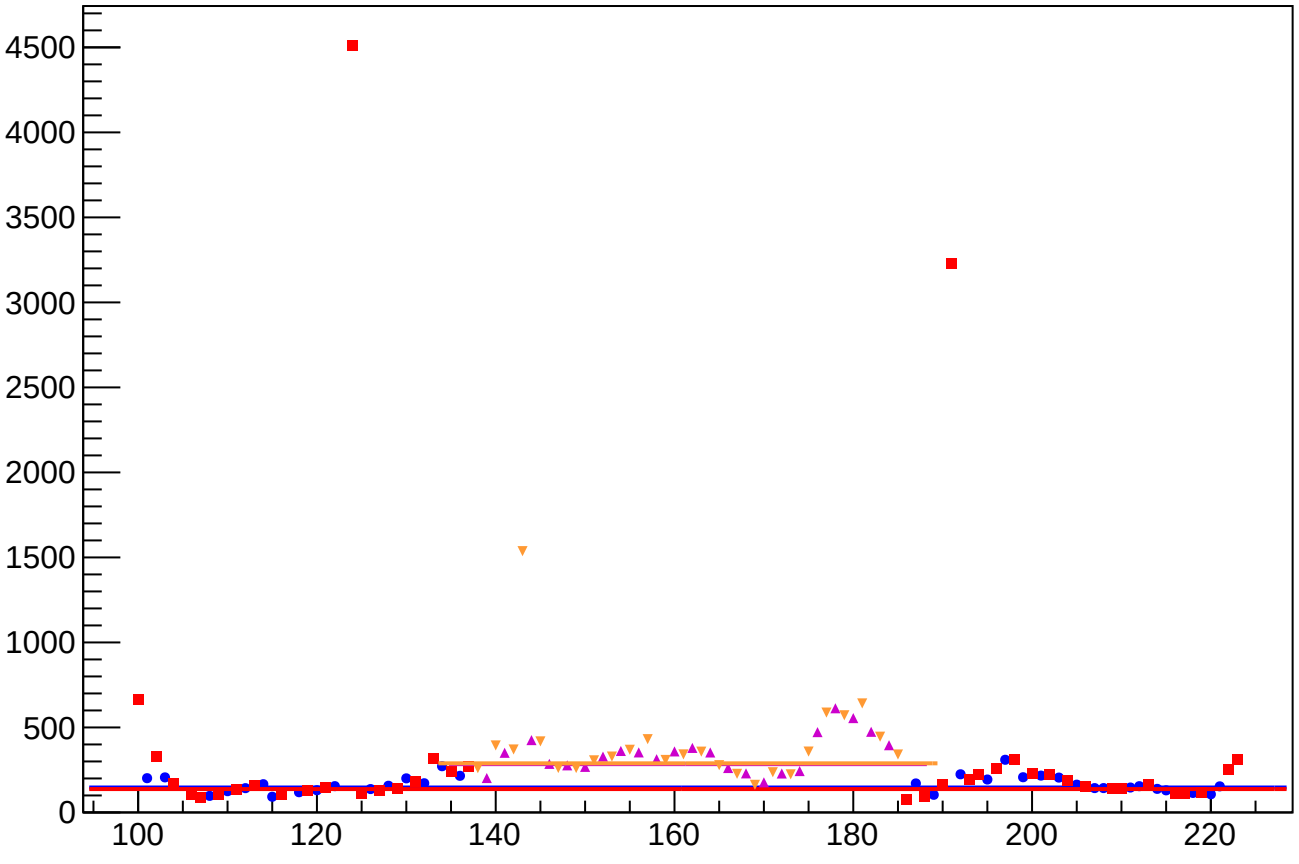
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786151.2/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

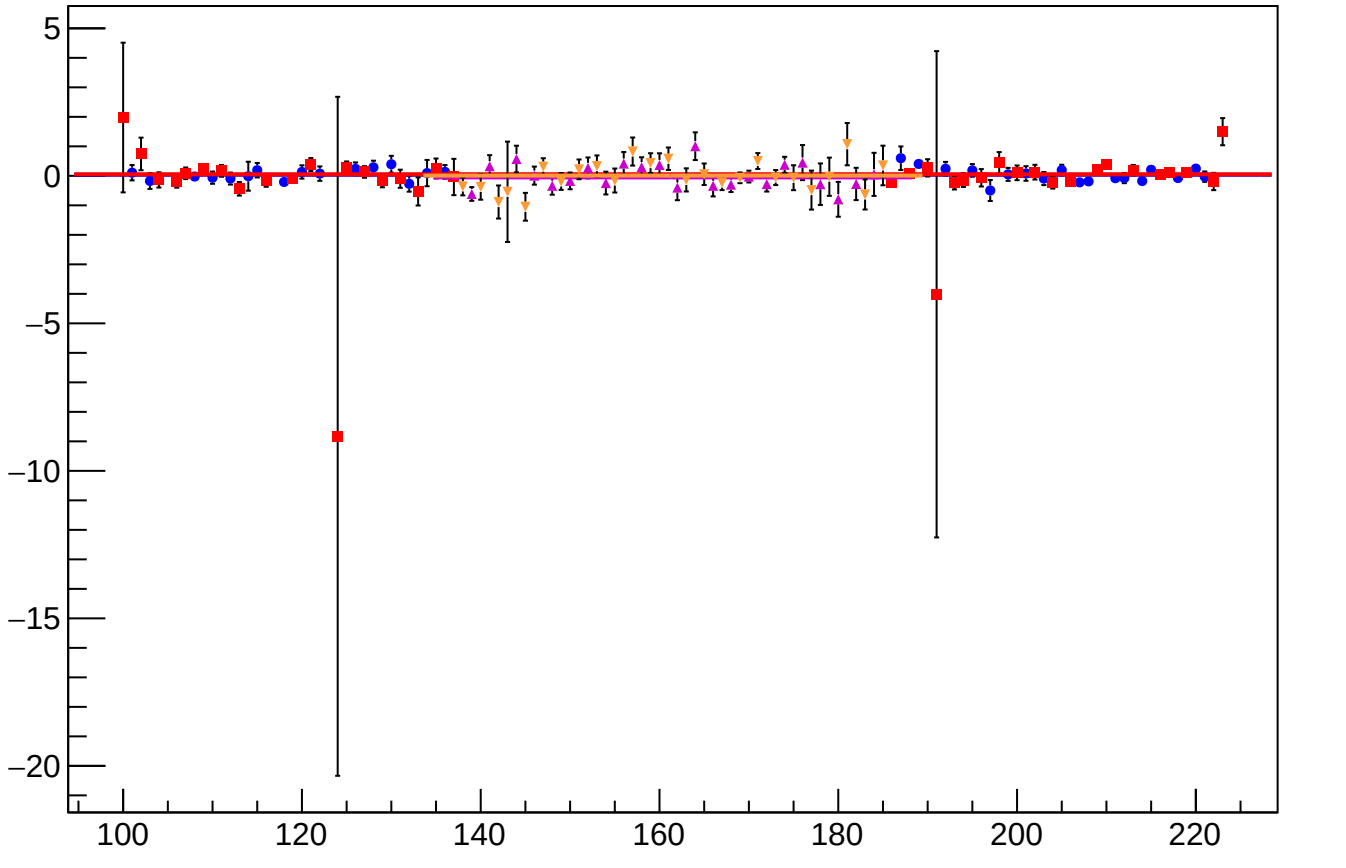
Right Out: 137.592+/-0.023 χ^2/NDF: 5544675.9/38

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.105+/-0.021 χ^2/NDF: 14022479.3/58

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

- sign 162.475+/-0.021 χ^2/NDF: 15819284.4/61



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

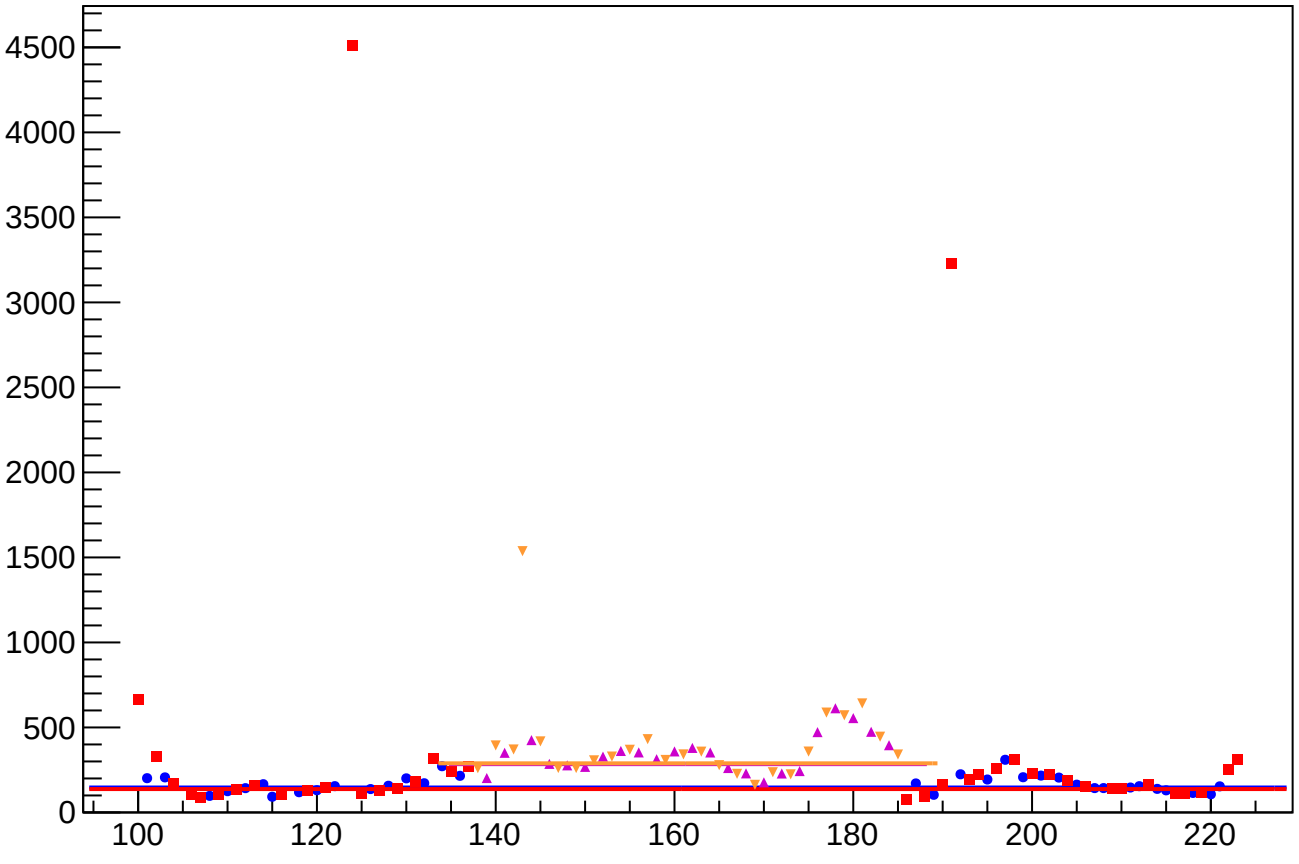
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786151.2/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

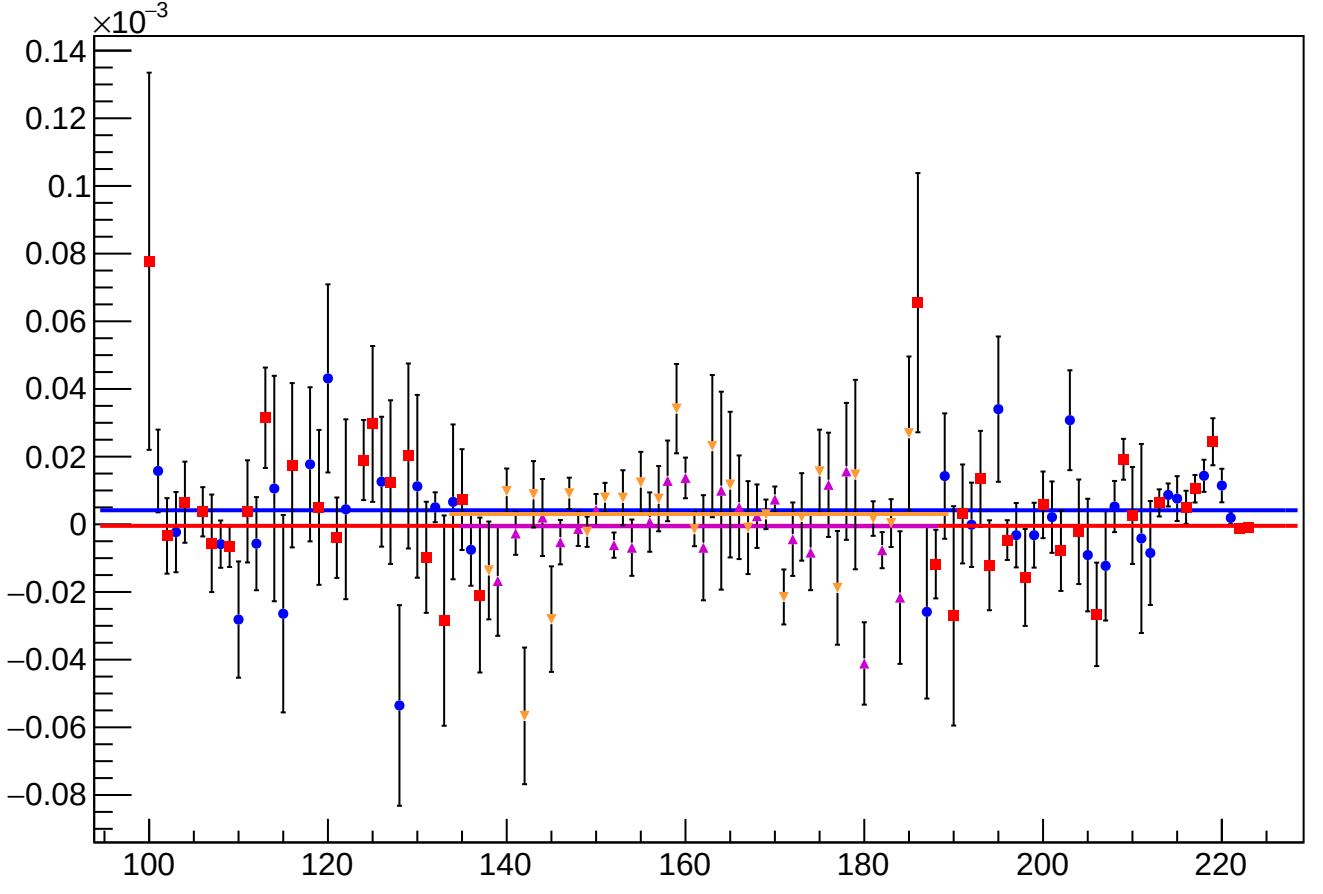
Right Out: 137.592+/-0.023 χ^2/NDF: 5544675.9/38

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.105+/-0.021 χ^2/NDF: 14022479.3/58

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

- sign 162.475+/-0.021 χ^2/NDF: 15819284.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

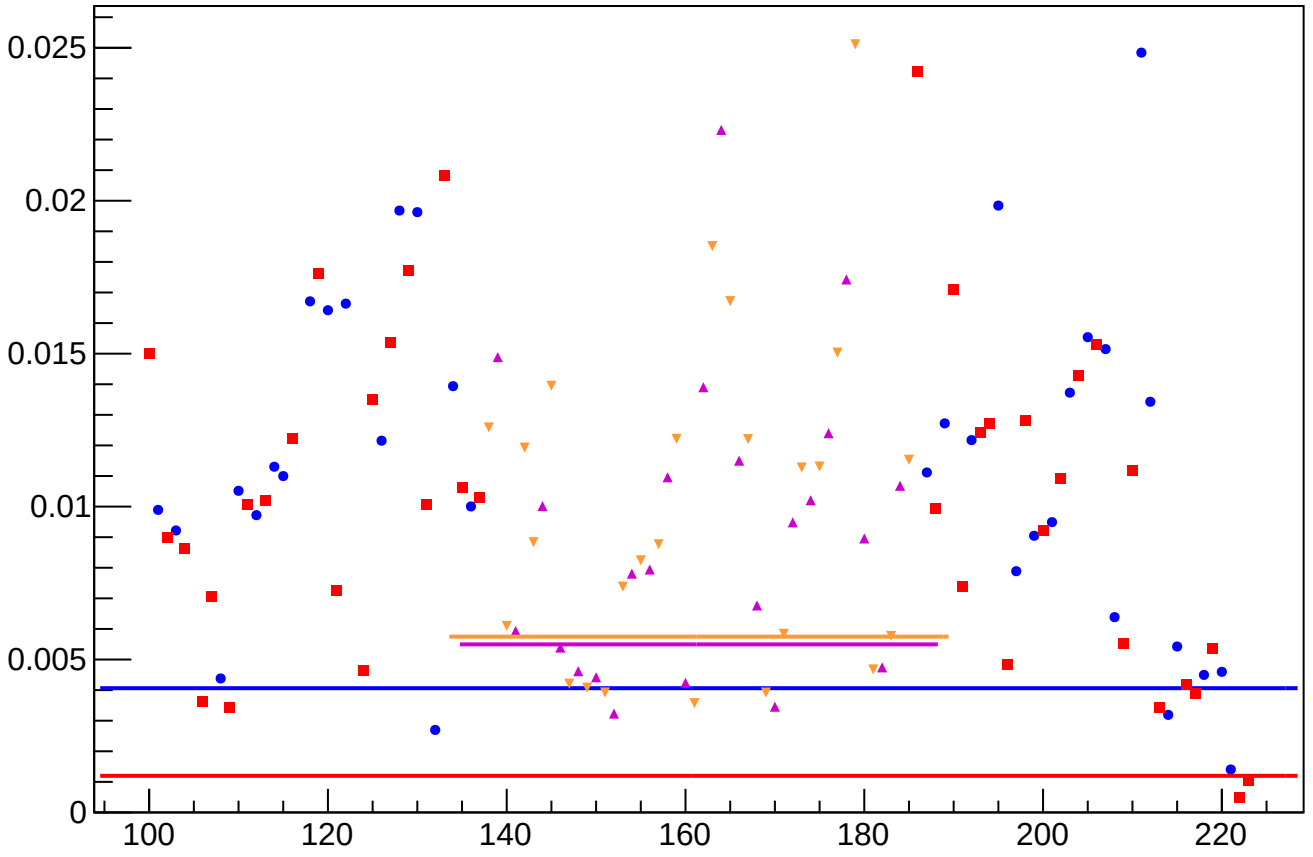
Right Out: -0.000+/-0.000 χ^2/NDF: 65.3/38

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.6/58

All: 0.000+/-0.000 χ^2/NDF: 193.3/120

- sign -0.000+/-0.000 χ^2/NDF: 98.5/61



Right In: 0.004+/-0.000 χ^2/NDF: 18926089.1/33

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

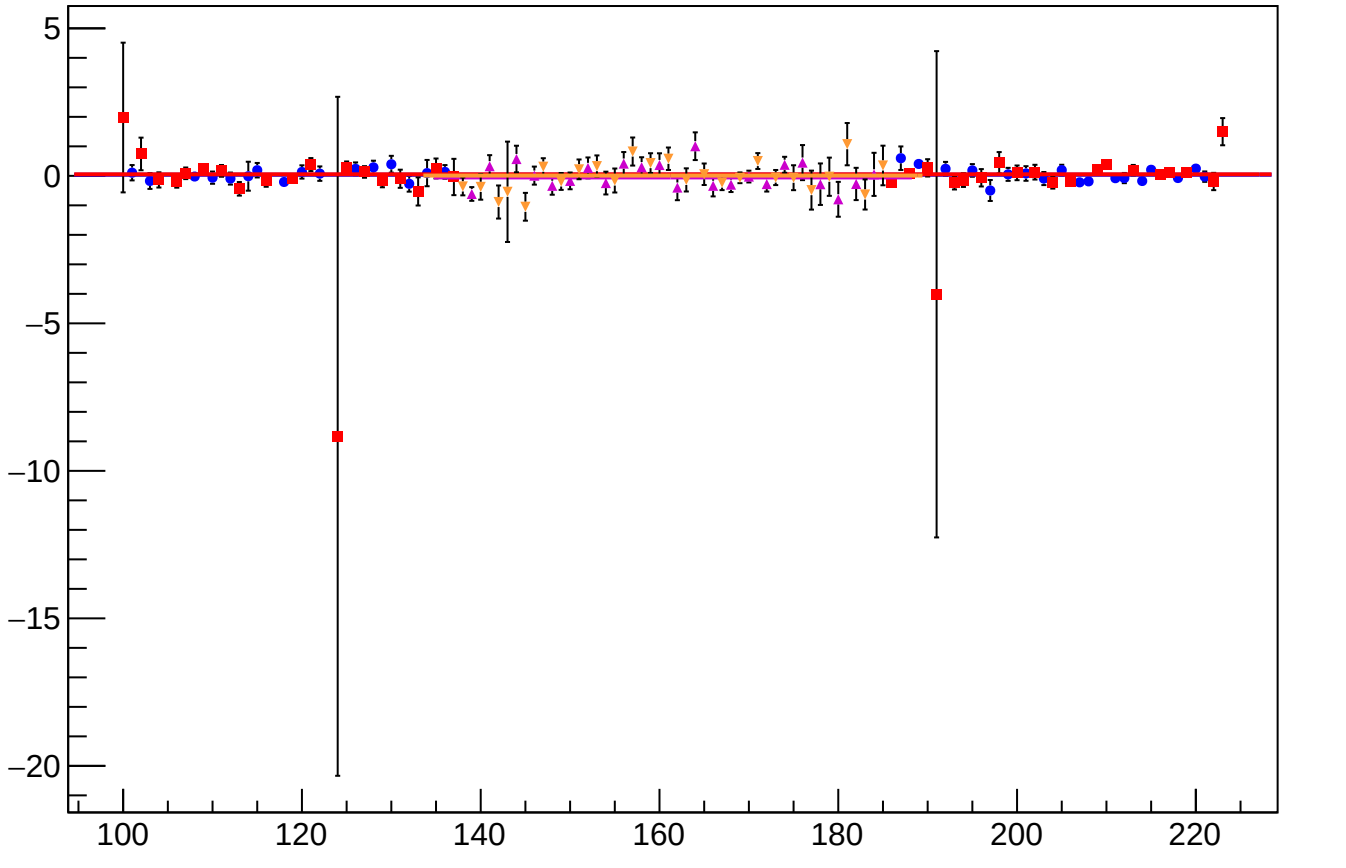
Right Out: 0.001+/-0.000 χ^2/NDF: 32225789.6/38

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.005+/-0.000 χ^2/NDF: 28552169.1/58

All: 0.002+/-0.000 χ^2/NDF: 98287235.8/120

- sign 0.002+/-0.000 χ^2/NDF: 53492310.8/61



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

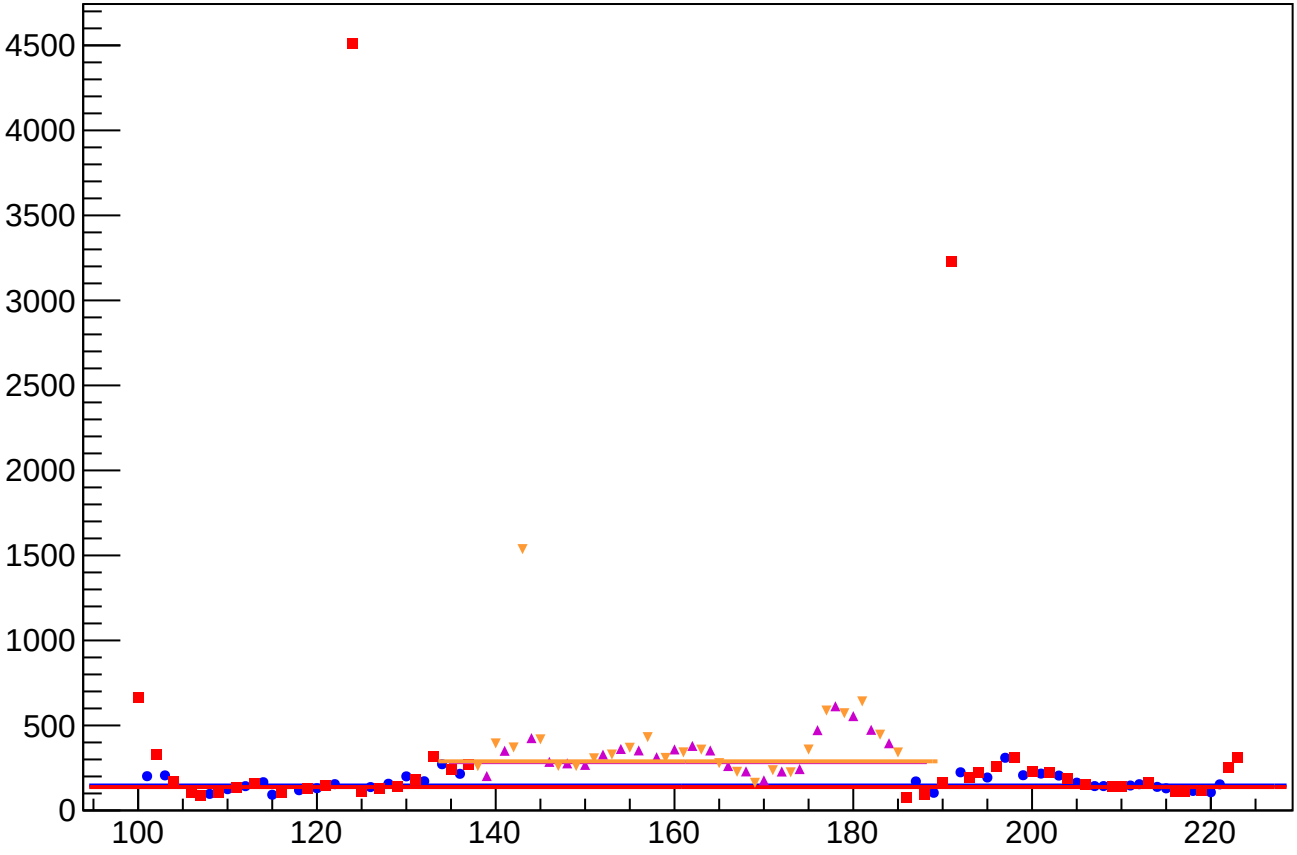
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

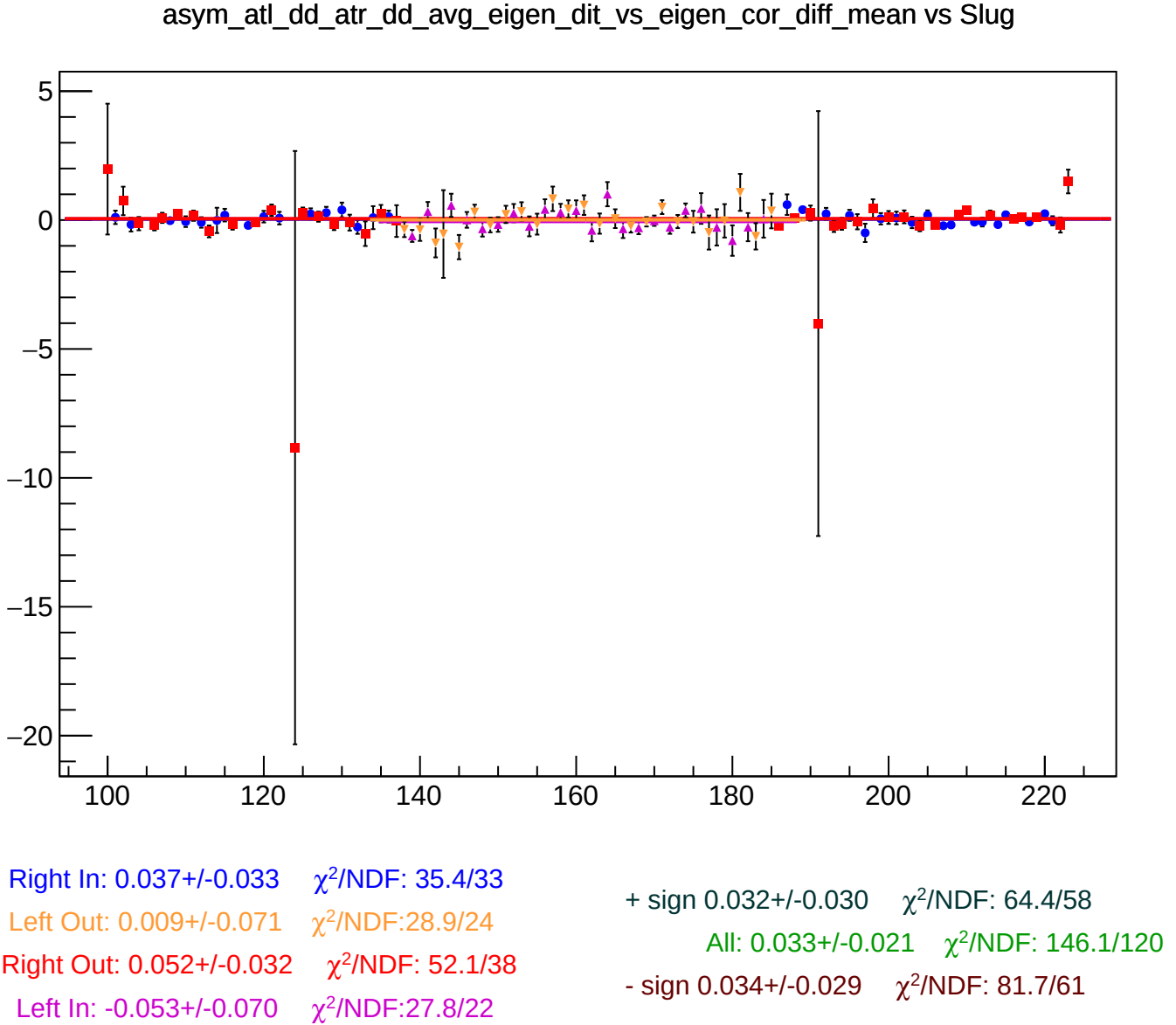
Right Out: 137.593+/-0.023 χ^2/NDF: 5544487.2/38

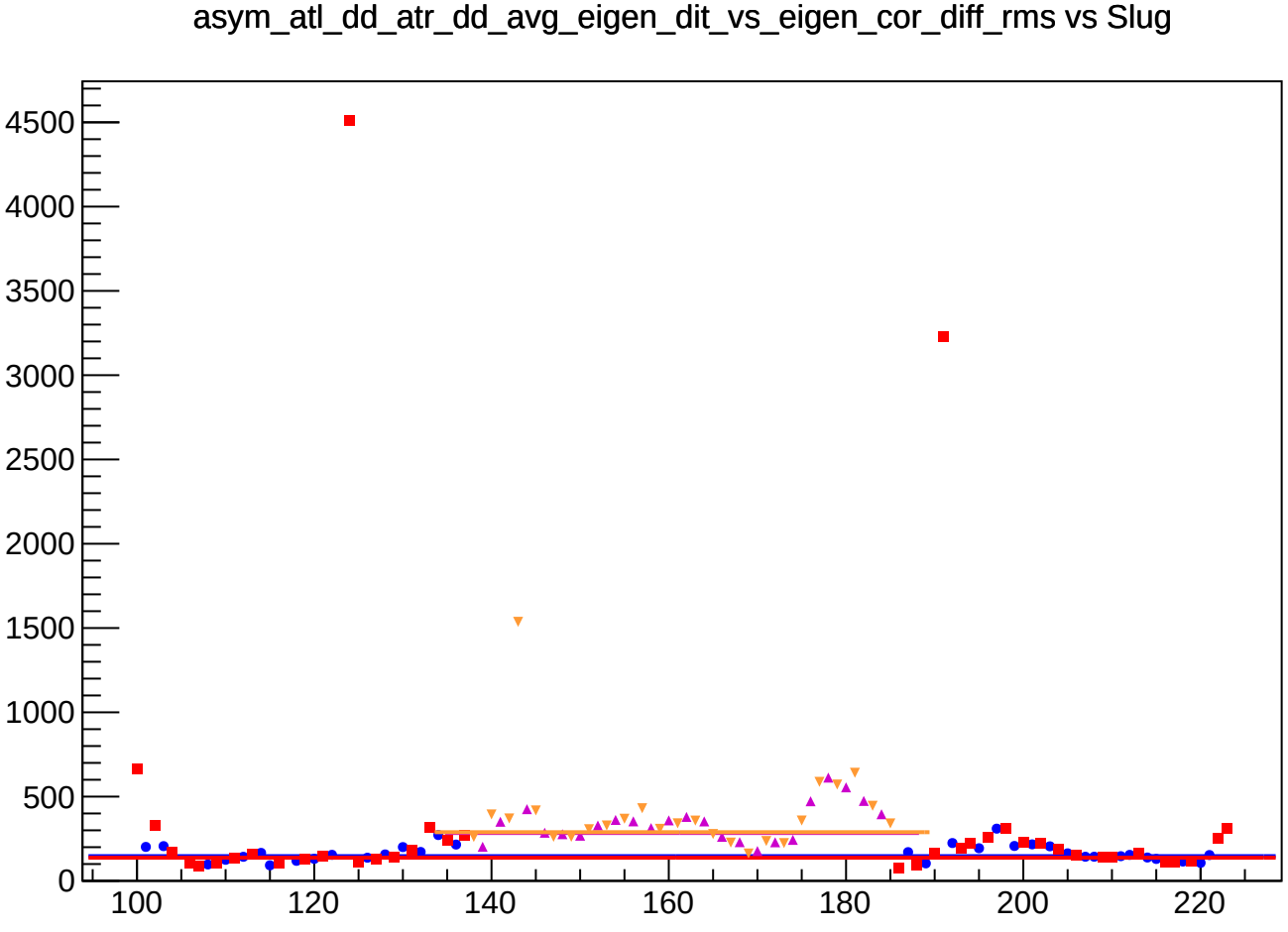
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 167.127+/-0.015 χ^2/NDF: 2994808 2.4/12

- sign 162.477+/-0.021 χ^2/NDF: 15819058.3/61


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
0
−5
−10
−15
−20
100
120
140
160
180
200
220
Right In: 0.037+/-0.033 χ²/NDF: 35.4/33
Left Out: 0.009+/-0.071 χ²/NDF:28.9/24
Right Out: 0.052+/-0.032 χ²/NDF: 52.1/38
Left In: -0.053+/-0.070 χ²/NDF:27.8/22
+ sign 0.032+/-0.030 χ²/NDF: 64.4/58
All: 0.033+/-0.021 χ²/NDF: 146.1/120
- sign 0.034+/-0.029 χ²/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

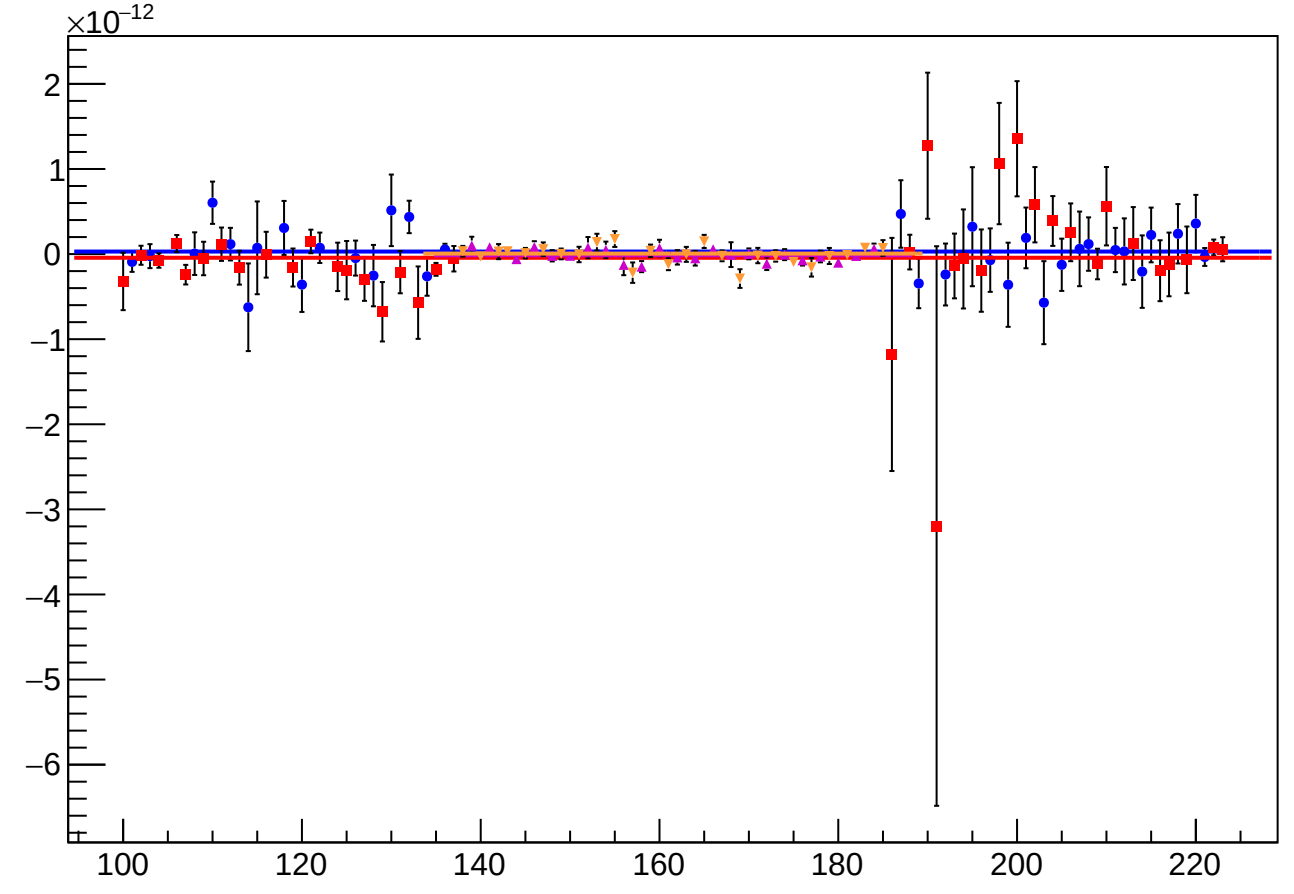
Right Out: 137.593+/-0.023 χ^2/NDF: 5544487.2/38

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12

- sign 162.477+/-0.021 χ^2/NDF: 15819058.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

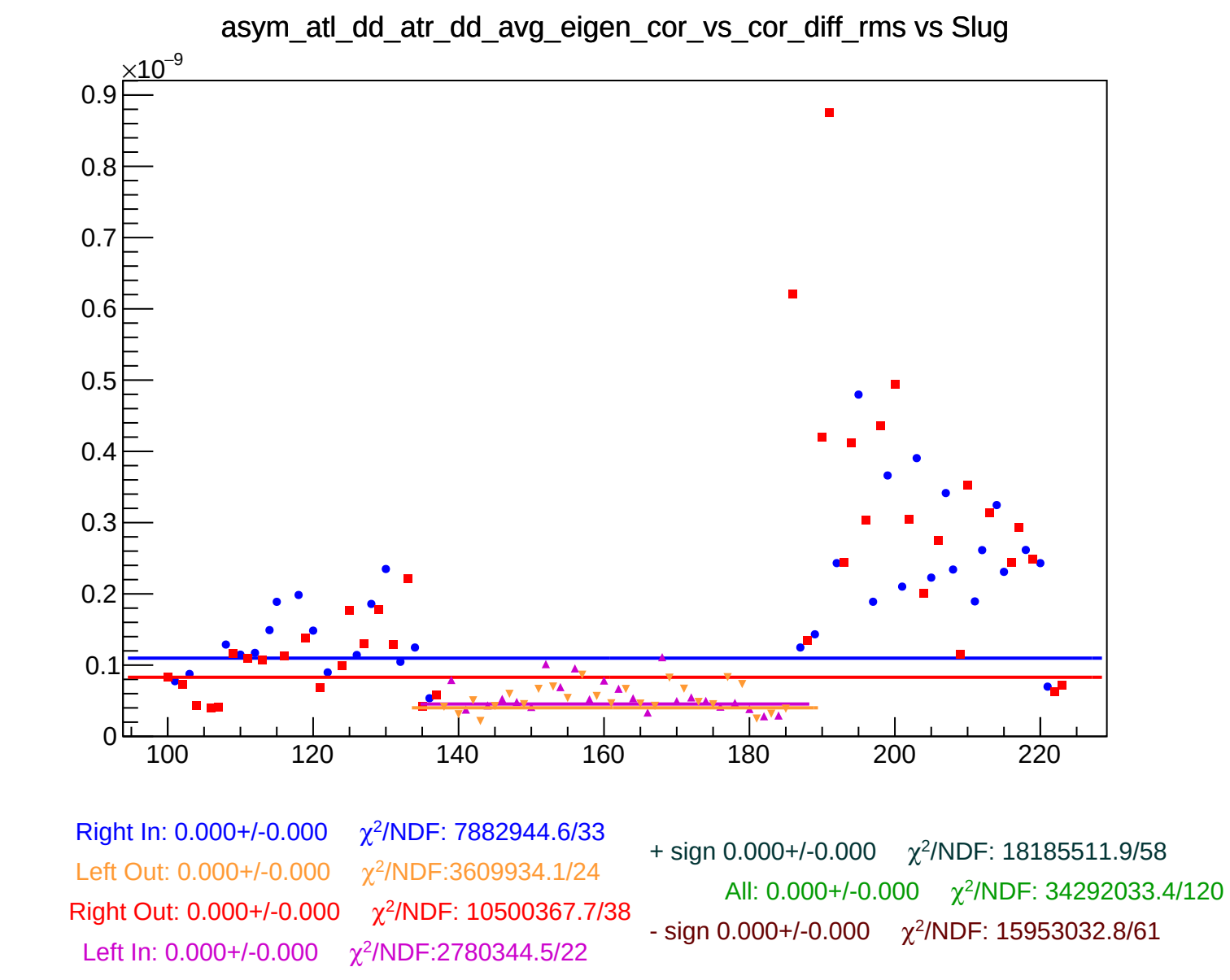
Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/38

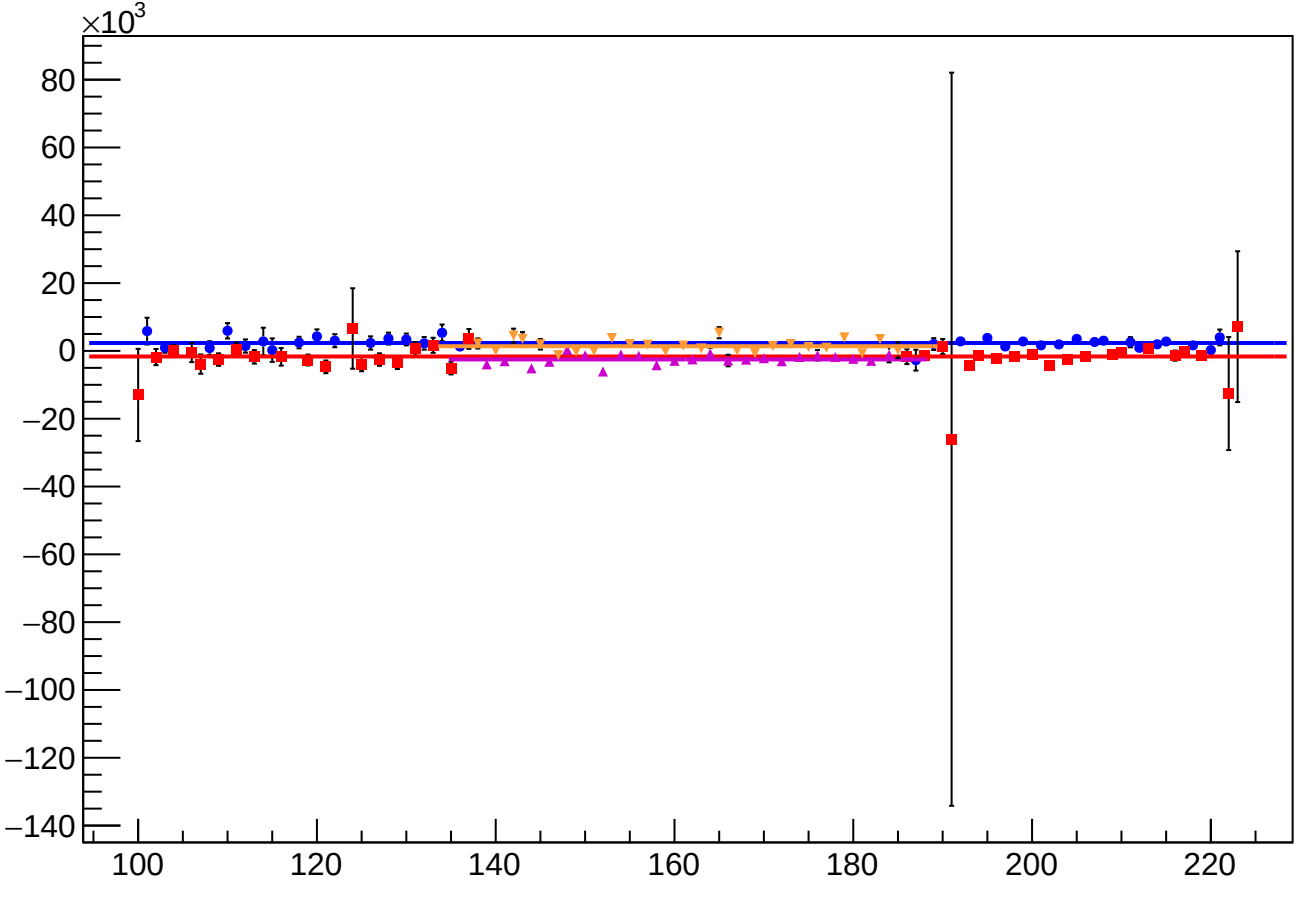
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/58

All: -0.000+/-0.000 χ^2/NDF: 129.1/120

- sign -0.000+/-0.000 χ^2/NDF: 64.1/61


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7882944.6/33
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 10500367.7/38
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 18185511.9/58
All: 0.000+/-0.000 χ²/NDF: 34292033.4/120
- sign 0.000+/-0.000 χ²/NDF: 15953032.8/61



Right In: 2338.263+/-282.681 χ^2/NDF: 19.5/33

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1642.800+/-286.237 χ^2/NDF: 35.0/38

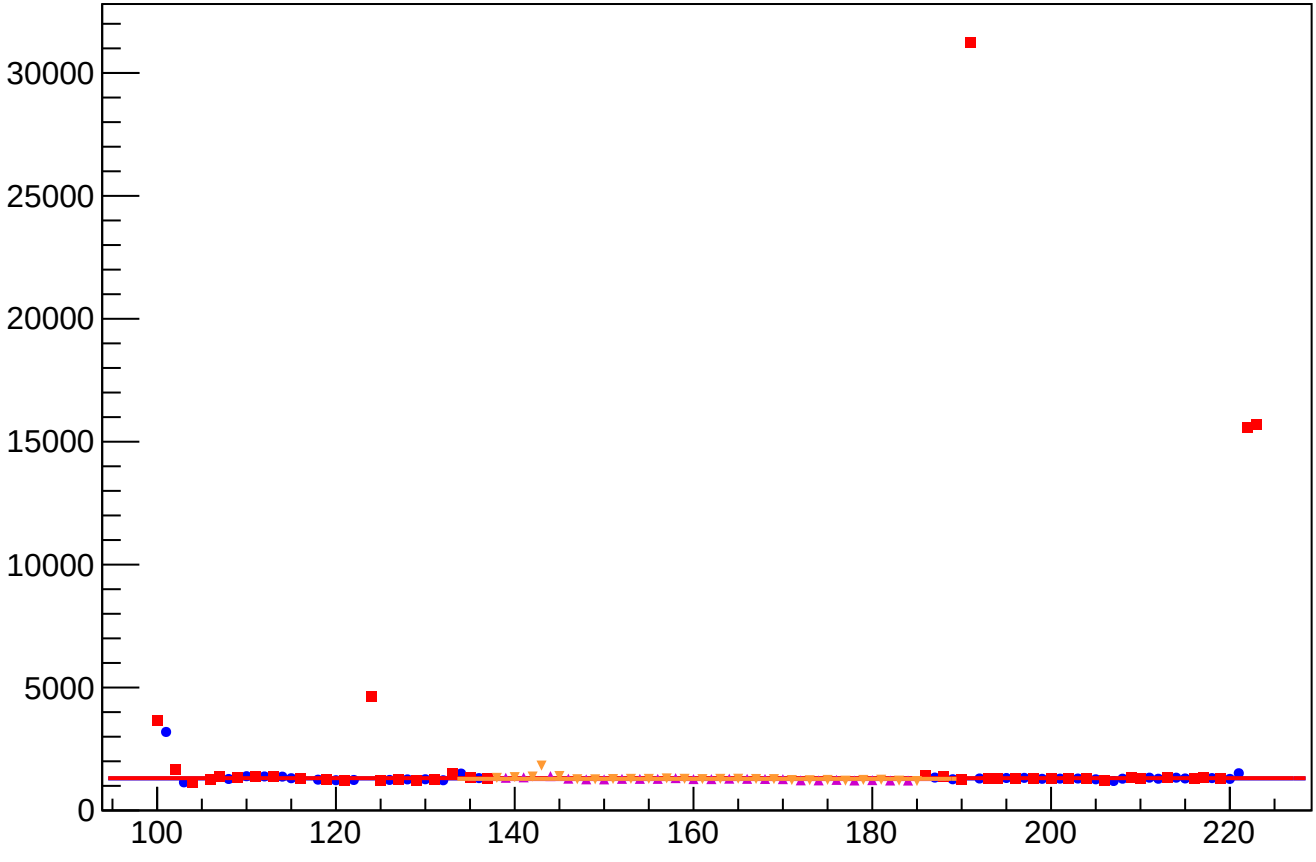
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1877.506+/-203.361 χ^2/NDF: 57.9/58

All: -63.050+/-144.883 χ^2/NDF: 304.8/120

- sign -2063.301+/-206.465 χ^2/NDF: 62.0/61

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.369+/-0.200 χ^2/NDF: 552310.4/33

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

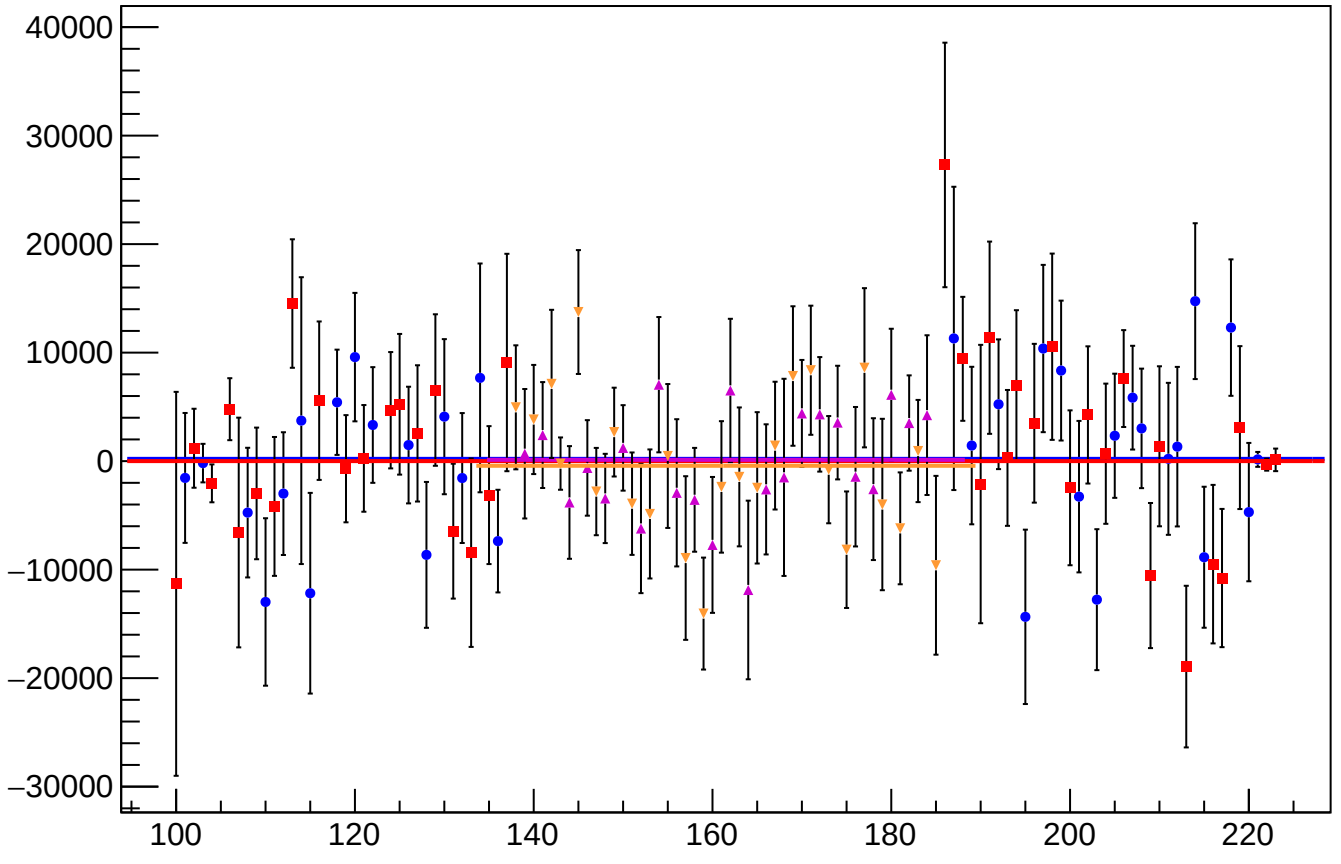
Right Out: 1314.322+/-0.202 χ^2/NDF: 2811661.3/38

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.785+/-0.144 χ^2/NDF: 746321.8/58

All: 1294.840+/-0.102 χ^2/NDF: 3616756.9/12

- sign 1295.927+/-0.146 χ^2/NDF: 2870325.7/61



Right In: 209.549+/-557.759 χ^2/NDF: 39.6/33

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

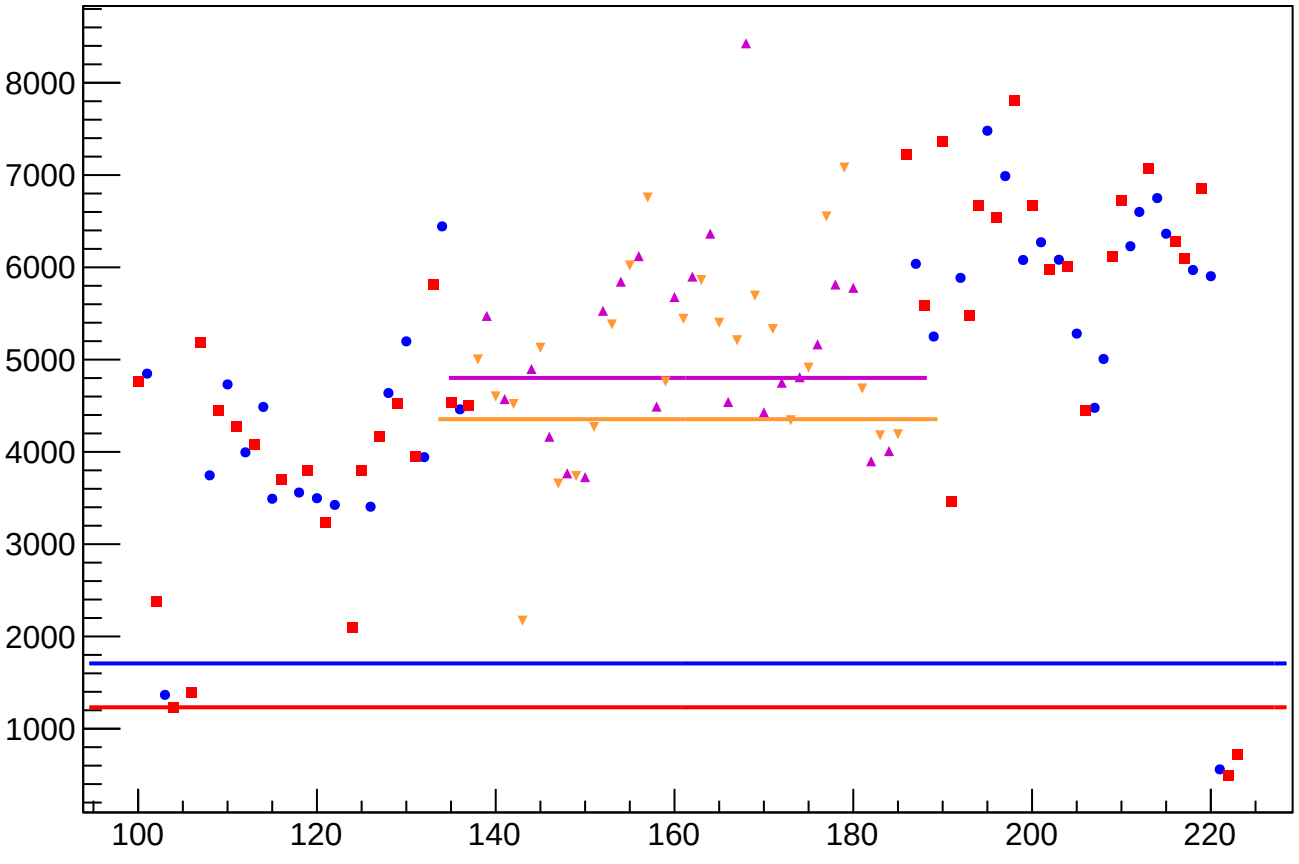
Right Out: 2.005+/-428.110 χ^2/NDF: 48.5/38

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign 66.598+/-491.325 χ^2/NDF: 69.7/58

All: 36.470+/-310.657 χ^2/NDF: 131.8/120

- sign 16.402+/-400.984 χ^2/NDF: 62.1/61



Right In: 1707.546+/-0.394 χ^2/NDF: 24329797.7/33

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 1232.260+/-0.303 χ^2/NDF: 27890970.2/38

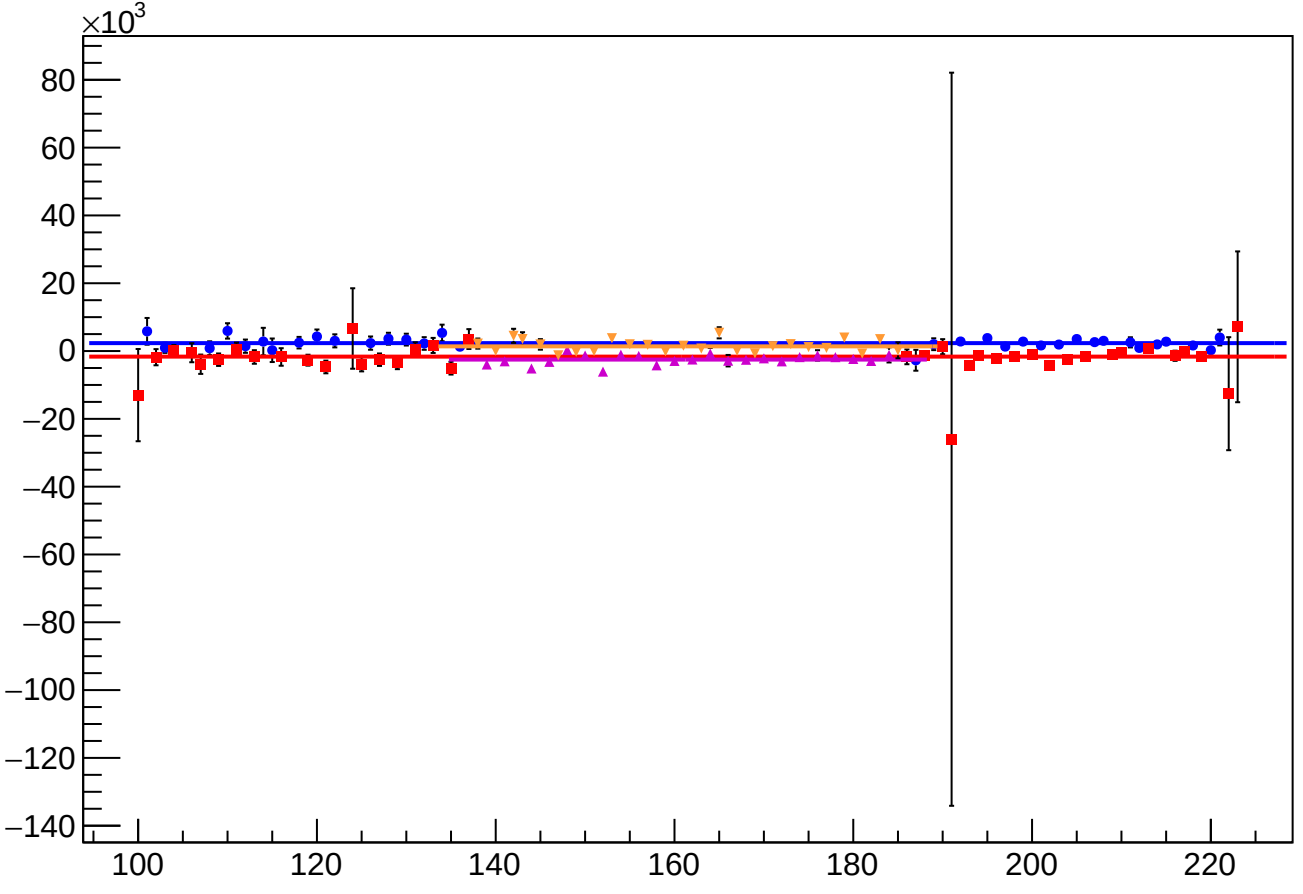
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 2300.555+/-0.347 χ^2/NDF: 37492564.7/58

All: 1922.233+/-0.220 χ^2/NDF: 85650454.0/1

- sign 1670.245+/-0.284 χ^2/NDF: 46182240.7/61

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2338.149+/-282.681 χ^2/NDF: 19.5/33

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1642.741+/-286.237 χ^2/NDF: 35.0/38

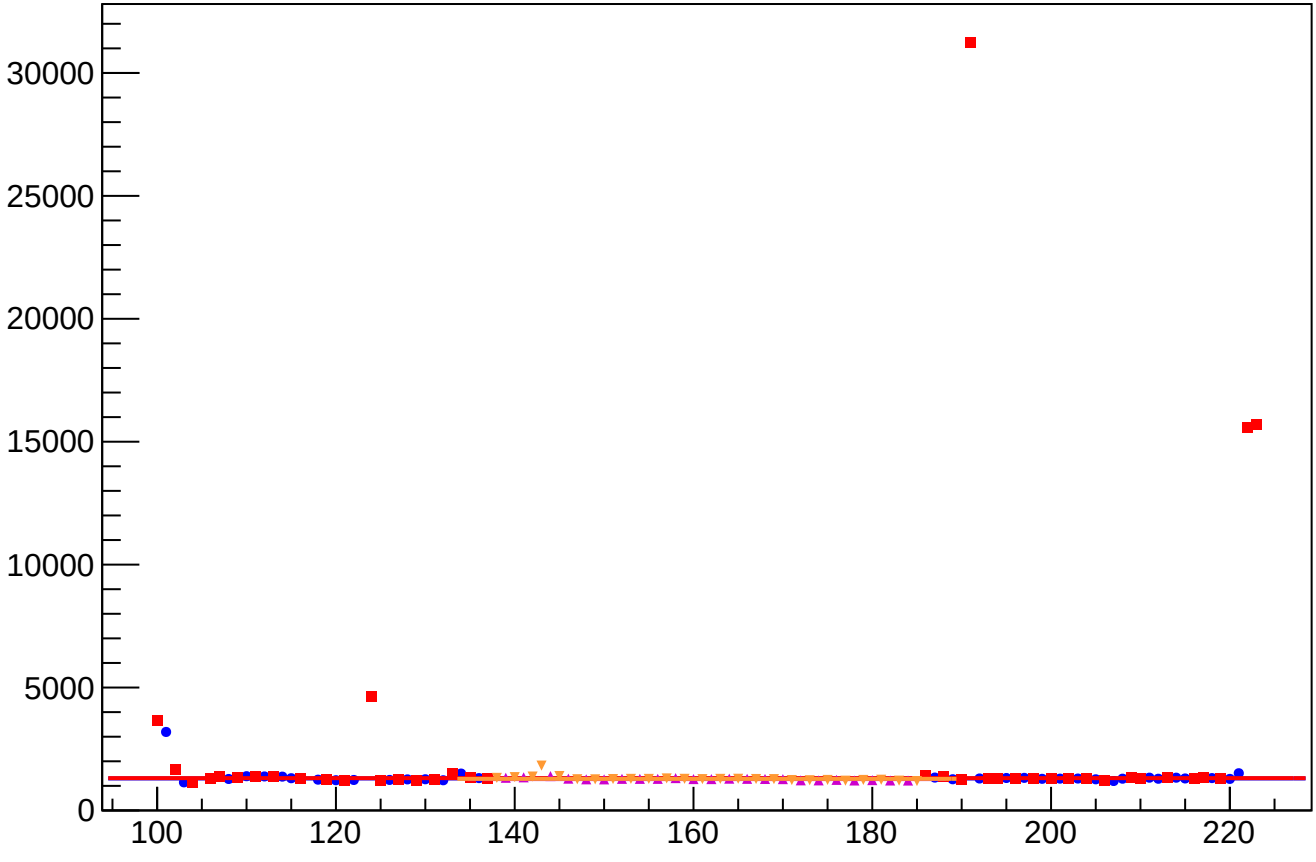
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1877.417+/-203.361 χ^2/NDF: 57.9/58

All: -63.081+/-144.883 χ^2/NDF: 304.8/120

- sign -2063.272+/-206.465 χ^2/NDF: 62.0/61

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.369+/-0.200 χ^2/NDF: 552311.9/33

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

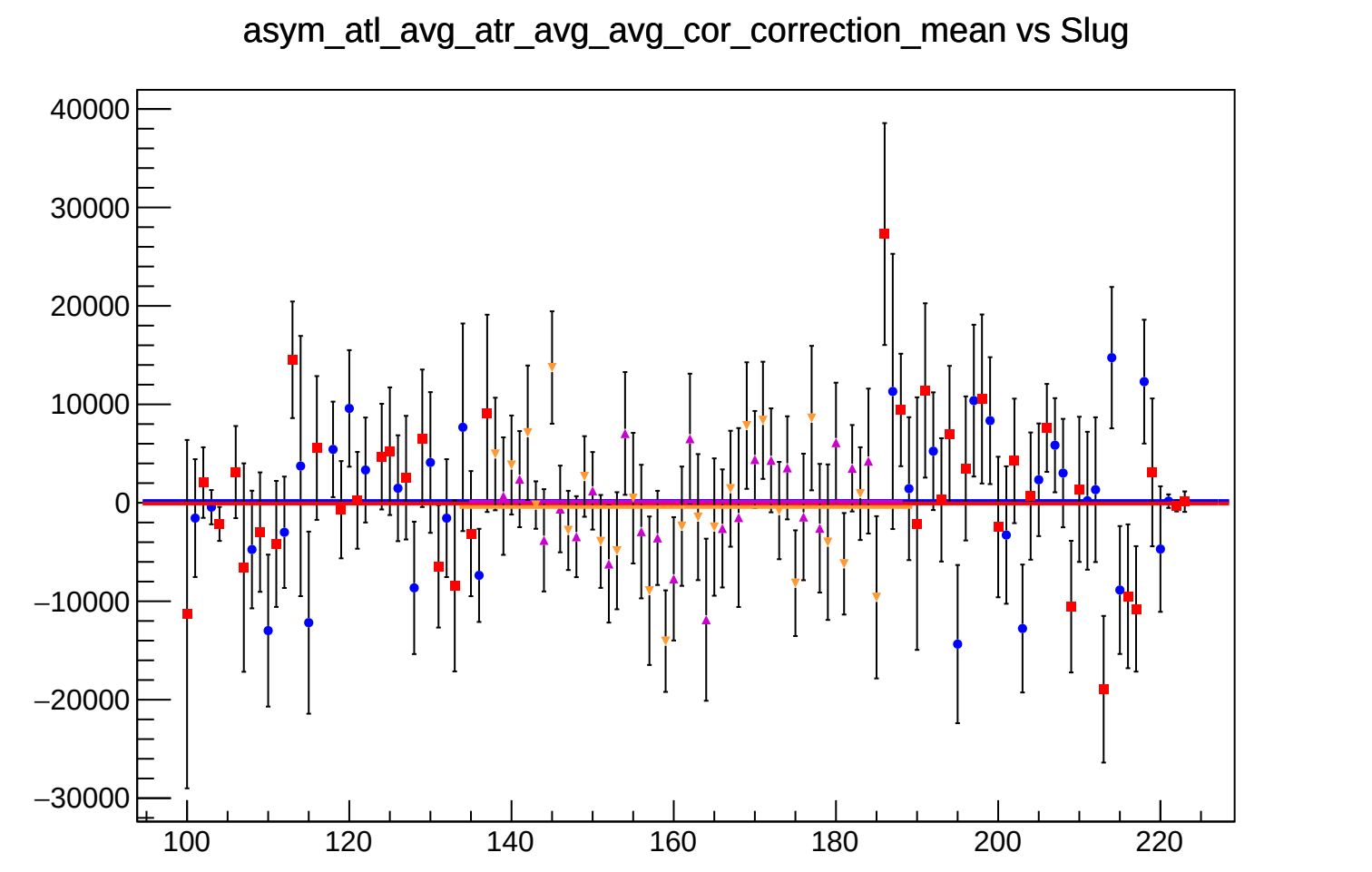
Right Out: 1314.700+/-0.202 χ^2/NDF: 2811206.0/38

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.785+/-0.144 χ^2/NDF: 746323.3/58

All: 1294.935+/-0.102 χ^2/NDF: 3616660.9/12

- sign 1296.119+/-0.146 χ^2/NDF: 2870207.8/61



Right In: 188.073+/-557.020 χ^2/NDF: 39.6/33

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

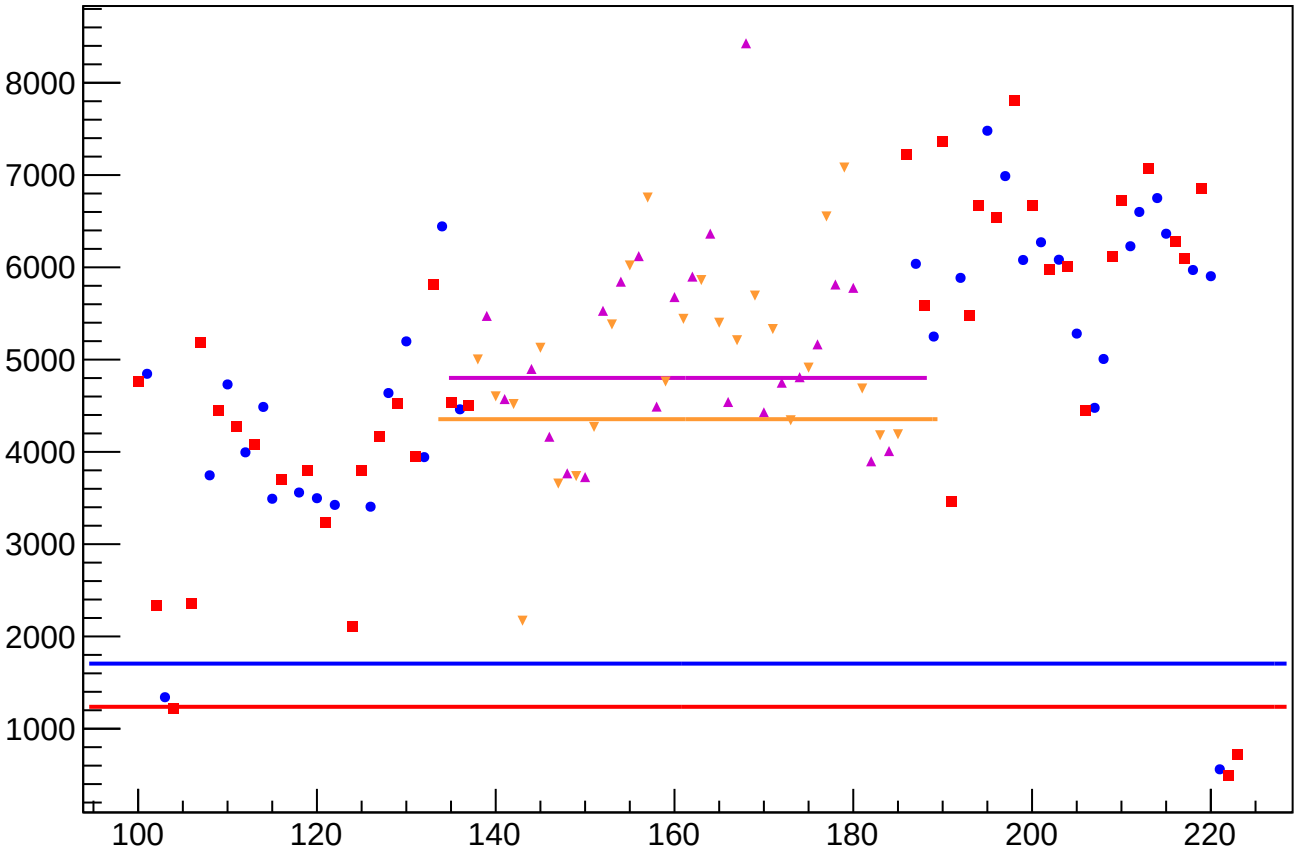
Right Out: -74.613+/-430.838 χ^2/NDF: 46.5/38

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign 50.219+/-490.819 χ^2/NDF: 69.7/58

All: -9.945+/-311.565 χ^2/NDF: 129.9/120

- sign -50.551+/-403.223 χ^2/NDF: 60.1/61



Right In: 1705.551+/-0.394 χ^2/NDF: 24326400.0/33

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

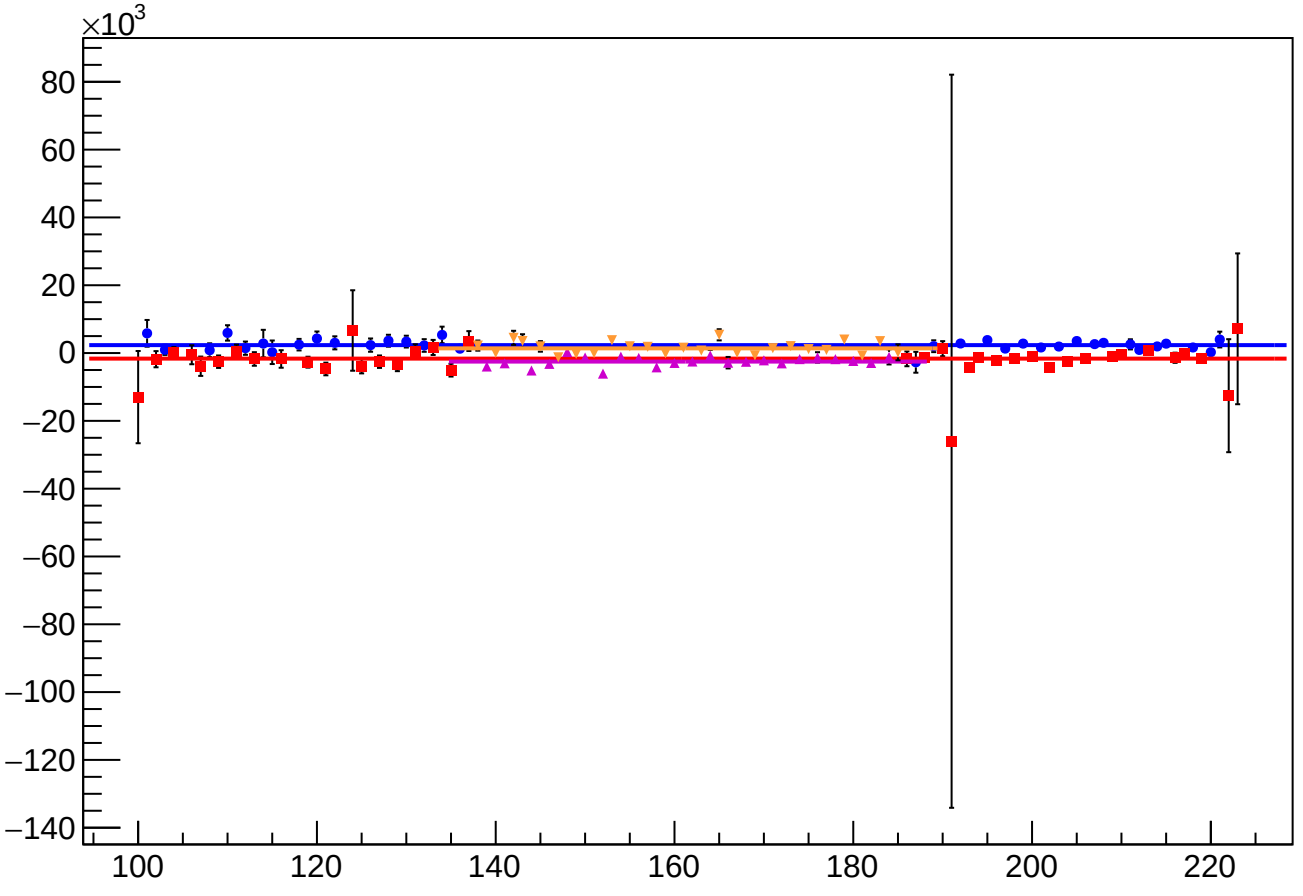
Right Out: 1237.555+/-0.305 χ^2/NDF: 27993106.8/38

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 2297.785+/-0.347 χ^2/NDF: 37510399.5/58

All: 1928.812+/-0.220 χ^2/NDF: 85610632.2/1

- sign 1679.787+/-0.285 χ^2/NDF: 46207154.6/61



Right In: 2338.149+/-282.681 χ^2/NDF: 19.5/33

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1642.741+/-286.237 χ^2/NDF: 35.0/38

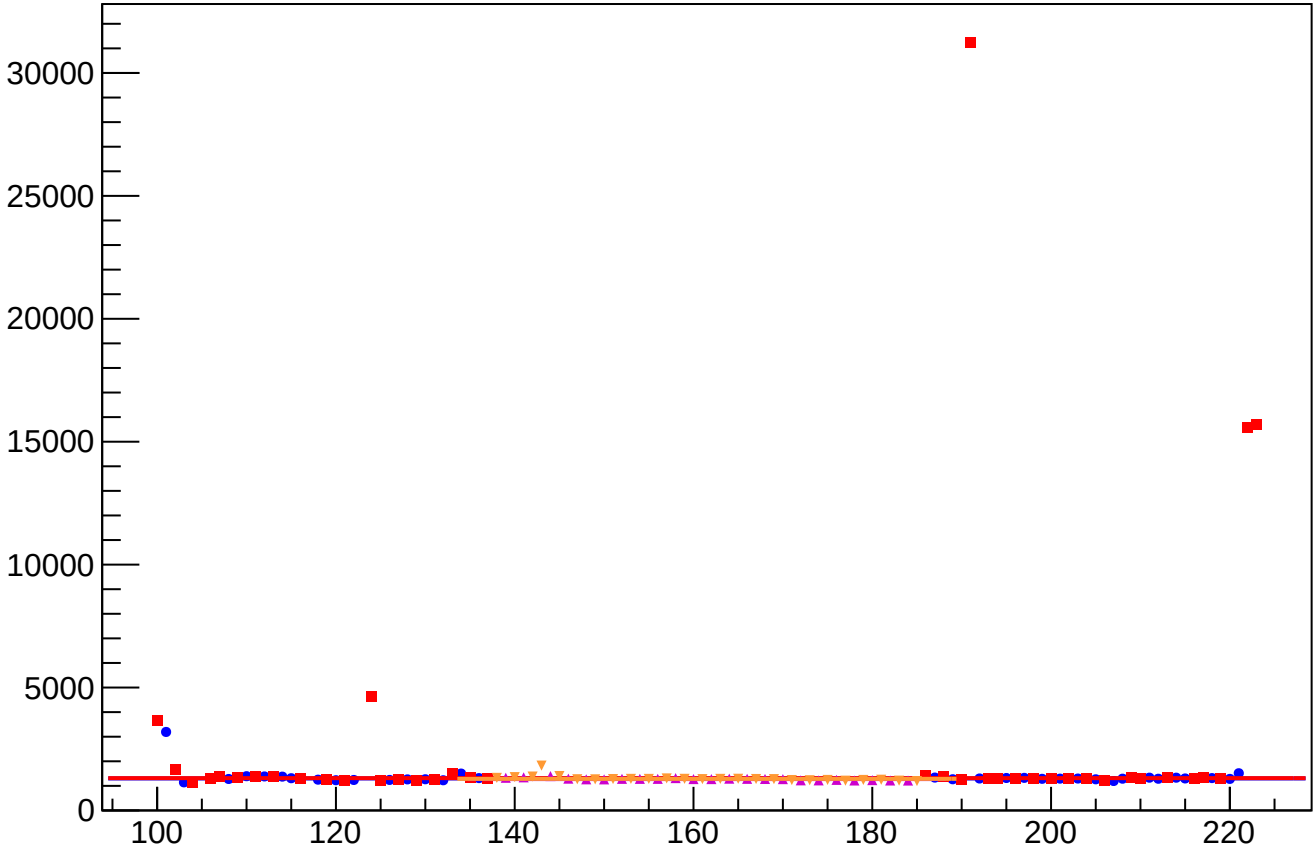
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1877.417+/-203.361 χ^2/NDF: 57.9/58

All: -63.081+/-144.883 χ^2/NDF: 304.8/120

- sign -2063.272+/-206.465 χ^2/NDF: 62.0/61

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.369+/-0.200 χ^2/NDF: 552311.9/33

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

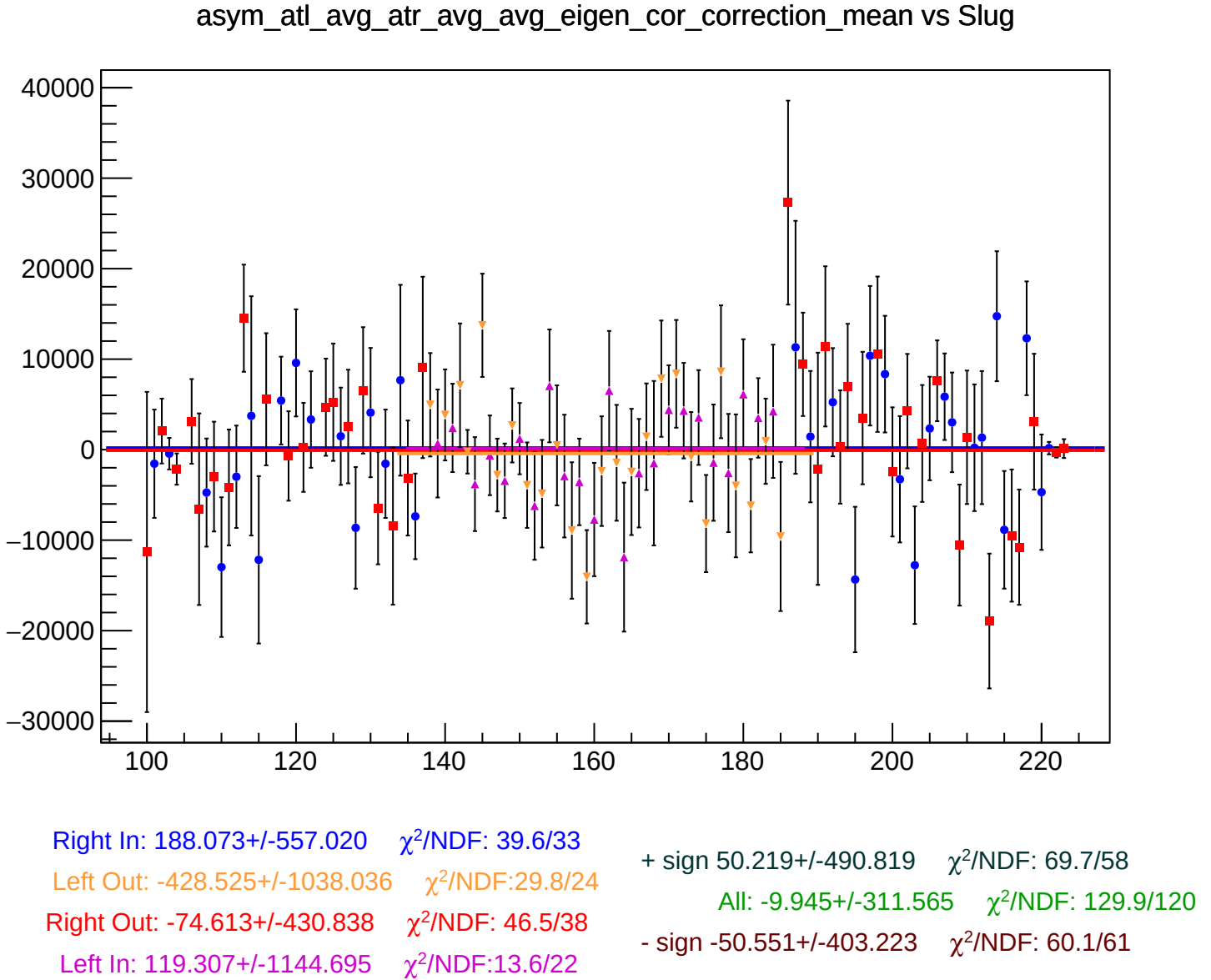
Right Out: 1314.700+/-0.202 χ^2/NDF: 2811206.0/38

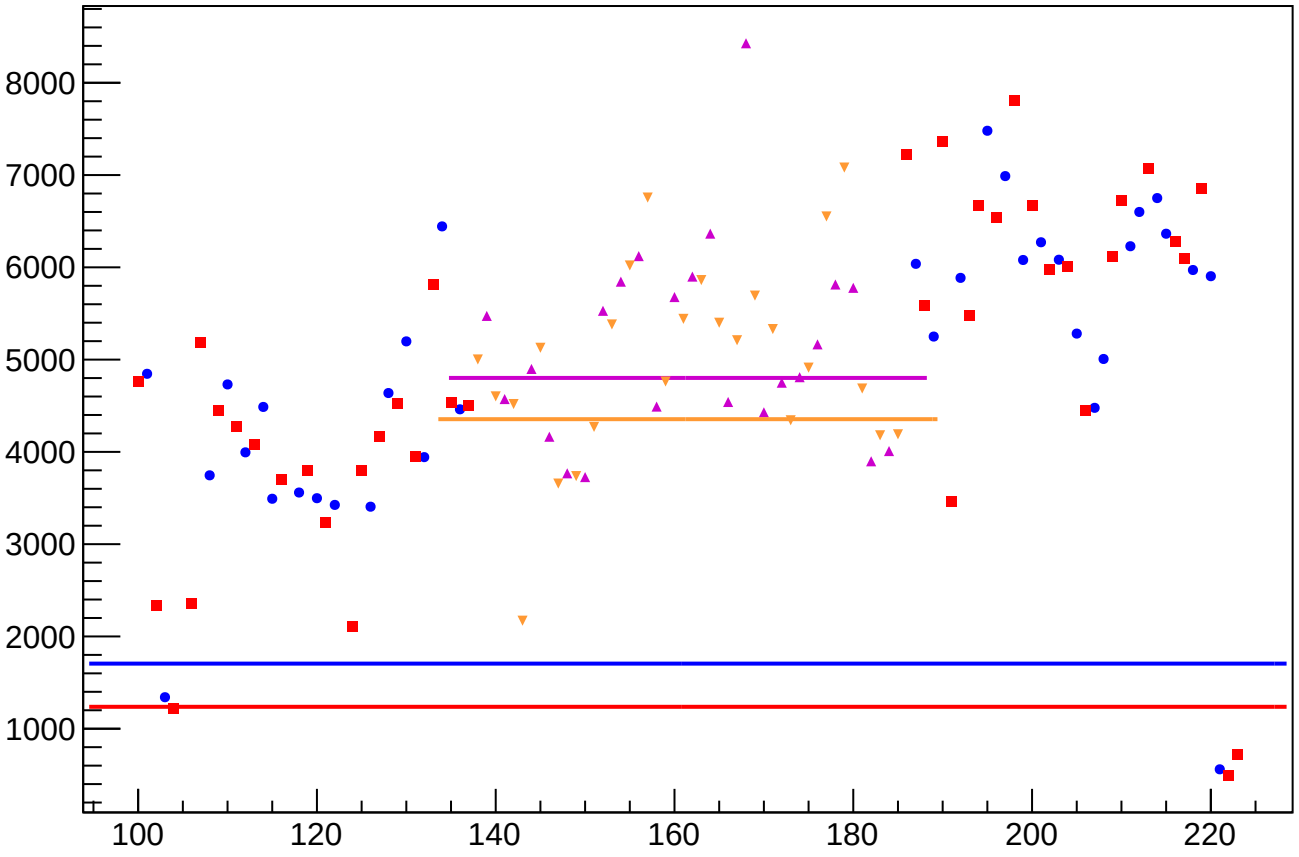
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.785+/-0.144 χ^2/NDF: 746323.3/58

All: 1294.935+/-0.102 χ^2/NDF: 3616660.9/12

- sign 1296.119+/-0.146 χ^2/NDF: 2870207.8/61


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 188.073+/-557.020 χ²/NDF: 39.6/33
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: -74.613+/-430.838 χ²/NDF: 46.5/38
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign 50.219+/-490.819 χ²/NDF: 69.7/58
All: -9.945+/-311.565 χ²/NDF: 129.9/120
- sign -50.551+/-403.223 χ²/NDF: 60.1/61



Right In: 1705.551+/-0.394 χ^2/NDF: 24326400.0/33

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 1237.555+/-0.305 χ^2/NDF: 27993106.8/38

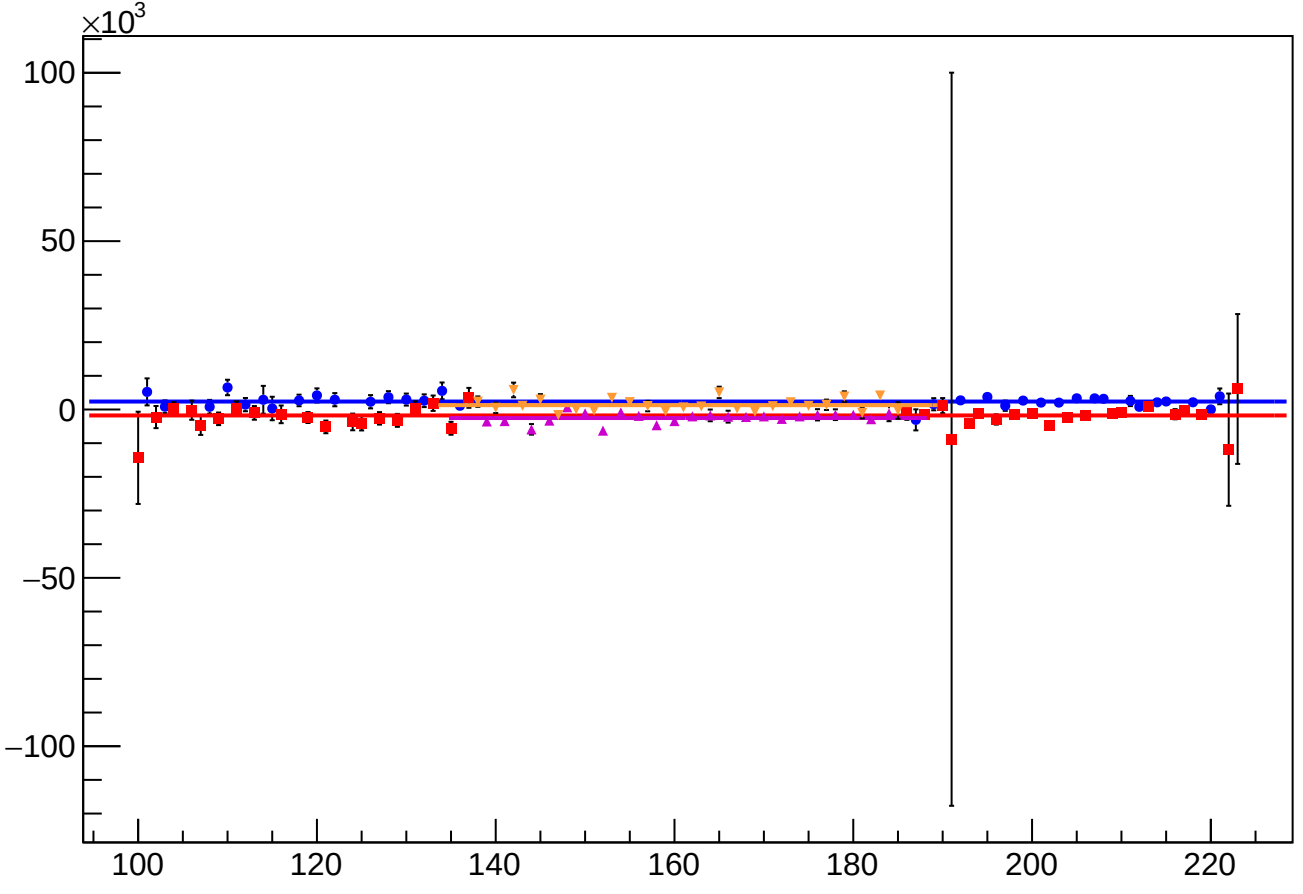
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 2297.785+/-0.347 χ^2/NDF: 37510399.5/58

All: 1928.812+/-0.220 χ^2/NDF: 85610632.2/1

- sign 1679.787+/-0.285 χ^2/NDF: 46207154.6/61

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2364.685+/-289.104 χ^2/NDF: 20.4/33

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1764.819+/-291.757 χ^2/NDF: 36.6/38

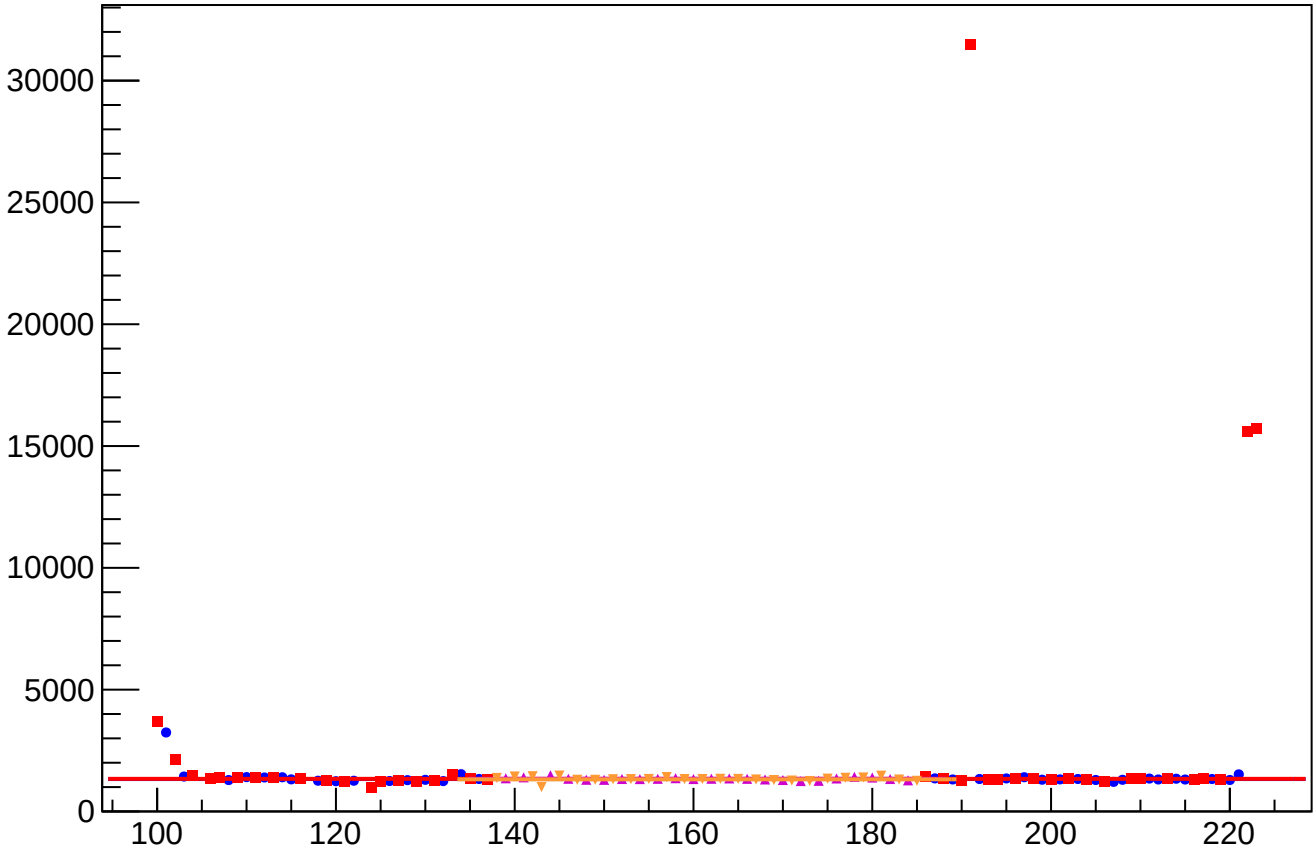
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1845.478+/-208.350 χ^2/NDF: 60.5/58

All: -90.692+/-149.073 χ^2/NDF: 302.2/120

- sign -2121.536+/-213.383 χ^2/NDF: 64.8/61

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1330.836+/-0.204 χ^2/NDF: 538372.8/33

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

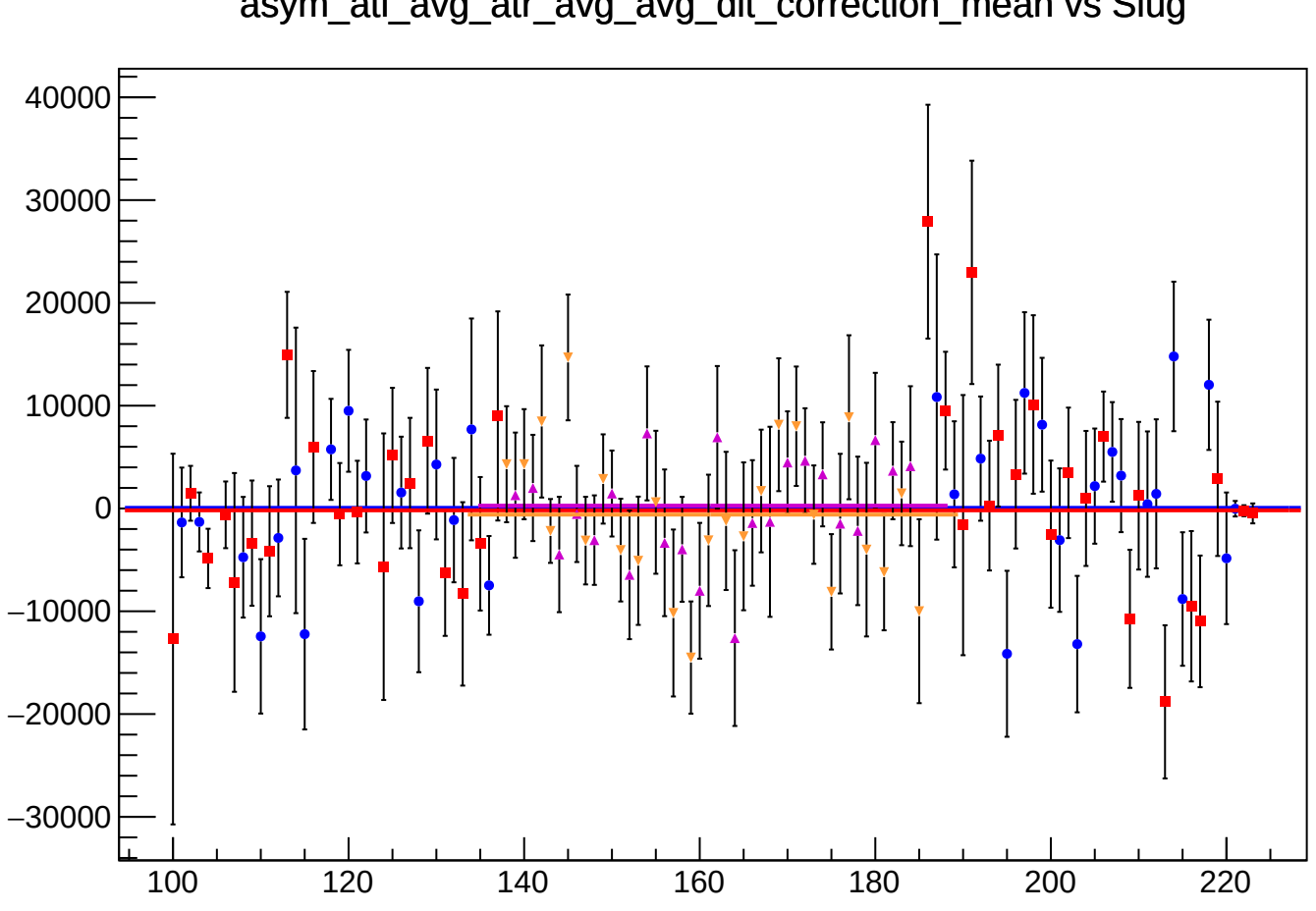
Right Out: 1338.576+/-0.206 χ^2/NDF: 2746907.4/38

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1324.750+/-0.147 χ^2/NDF: 788764.3/58

All: 1331.505+/-0.105 χ^2/NDF: 3594226.5/12

- sign 1338.588+/-0.151 χ^2/NDF: 2801155.9/61



Right In: 59.172+/-614.684 χ^2/NDF: 39.2/33

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -179.842+/-422.573 χ^2/NDF: 49.2/38

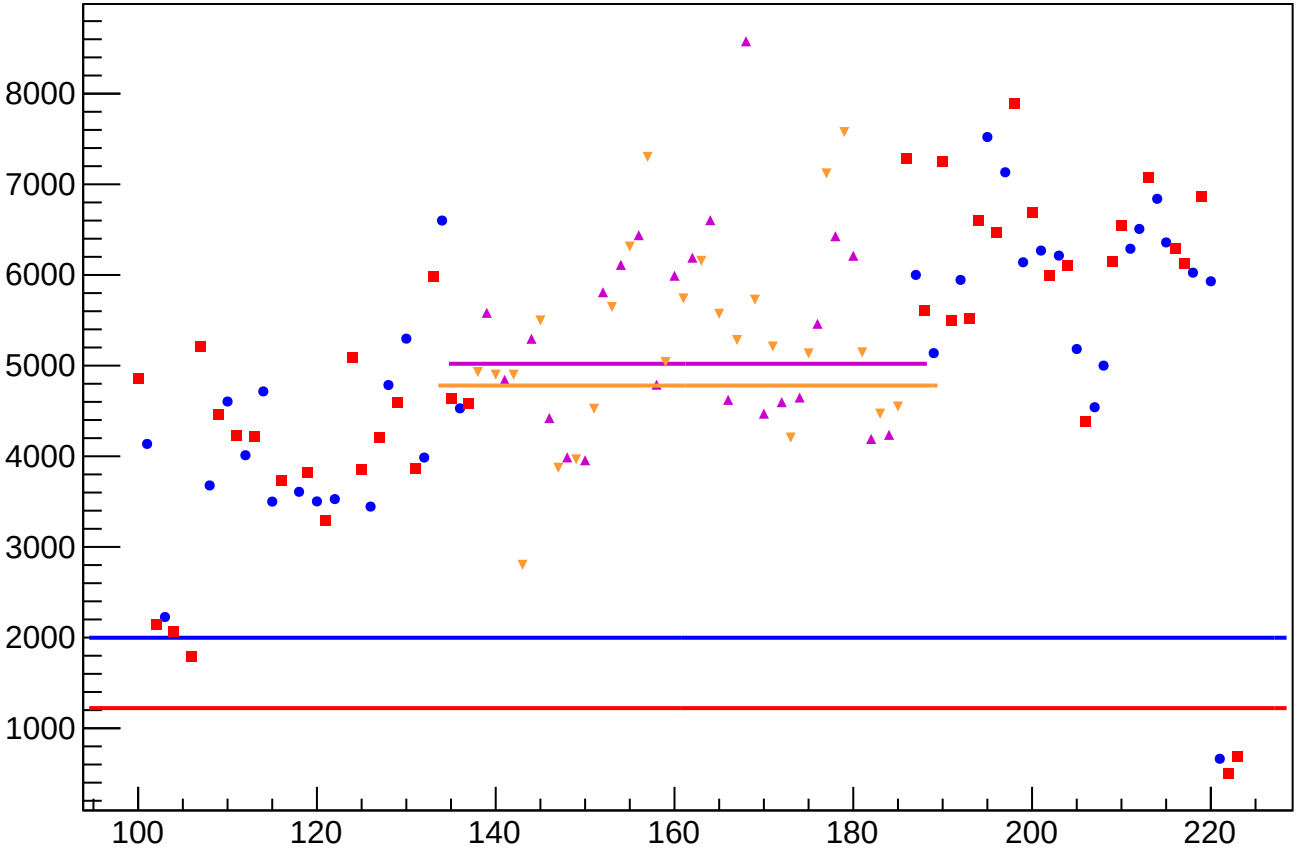
Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -91.764+/-539.117 χ^2/NDF: 69.0/58

All: -116.268+/-320.439 χ^2/NDF: 131.7/120

- sign -129.654+/-398.464 χ^2/NDF: 62.7/61

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 1998.290+/-0.435 χ^2/NDF: 22089780.6/33

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 1222.095+/-0.299 χ^2/NDF: 28796185.2/38

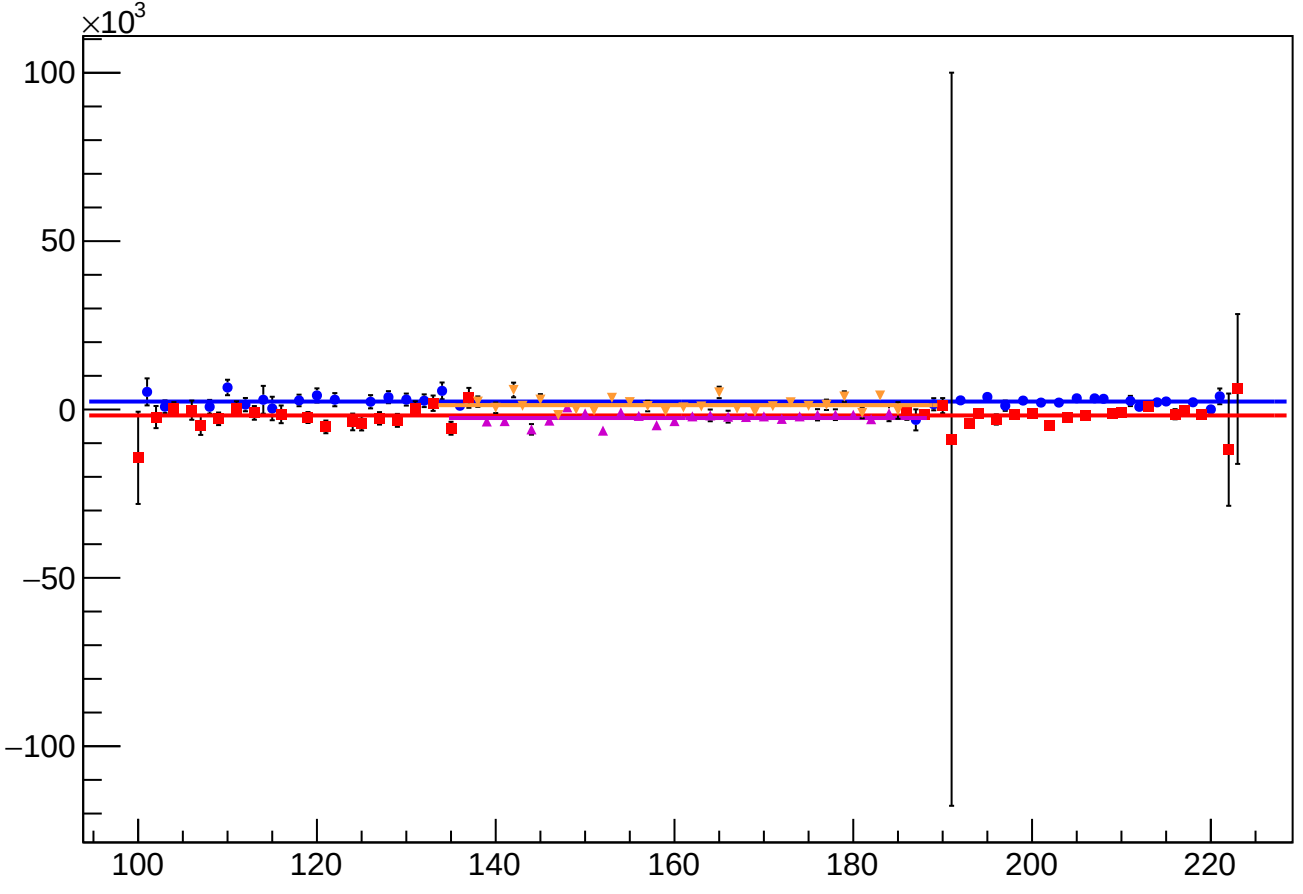
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 2640.286+/-0.381 χ^2/NDF: 33550385.3/58

All: 1995.424+/-0.227 χ^2/NDF: 85909665.7/1

- sign 1643.151+/-0.282 χ^2/NDF: 47934569.9/61

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2364.682+/-289.104 χ^2/NDF: 20.4/33

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1764.817+/-291.757 χ^2/NDF: 36.6/38

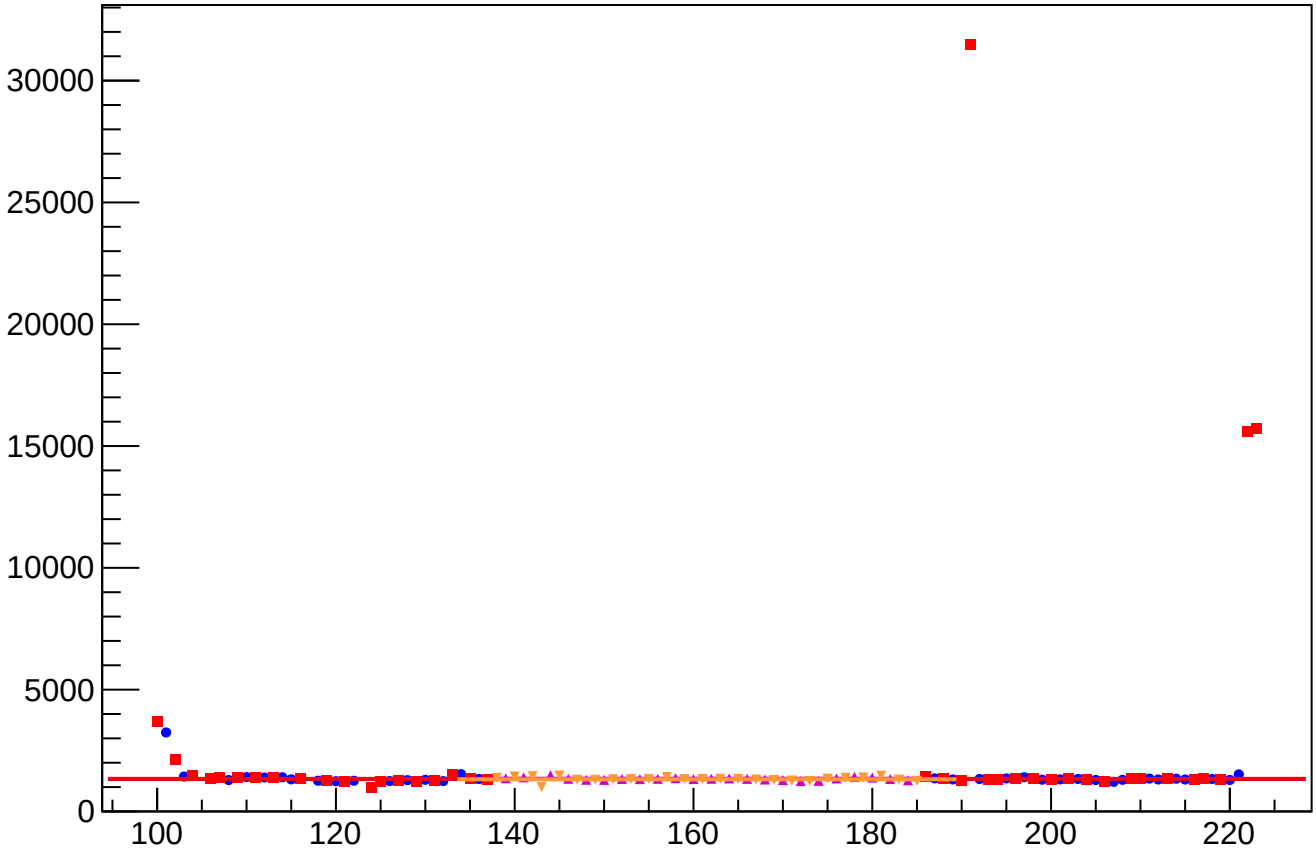
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1845.475+/-208.350 χ^2/NDF: 60.5/58

All: -90.694+/-149.073 χ^2/NDF: 302.2/120

- sign -2121.535+/-213.383 χ^2/NDF: 64.8/61

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1330.836+/-0.204 χ^2/NDF: 538372.9/33

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

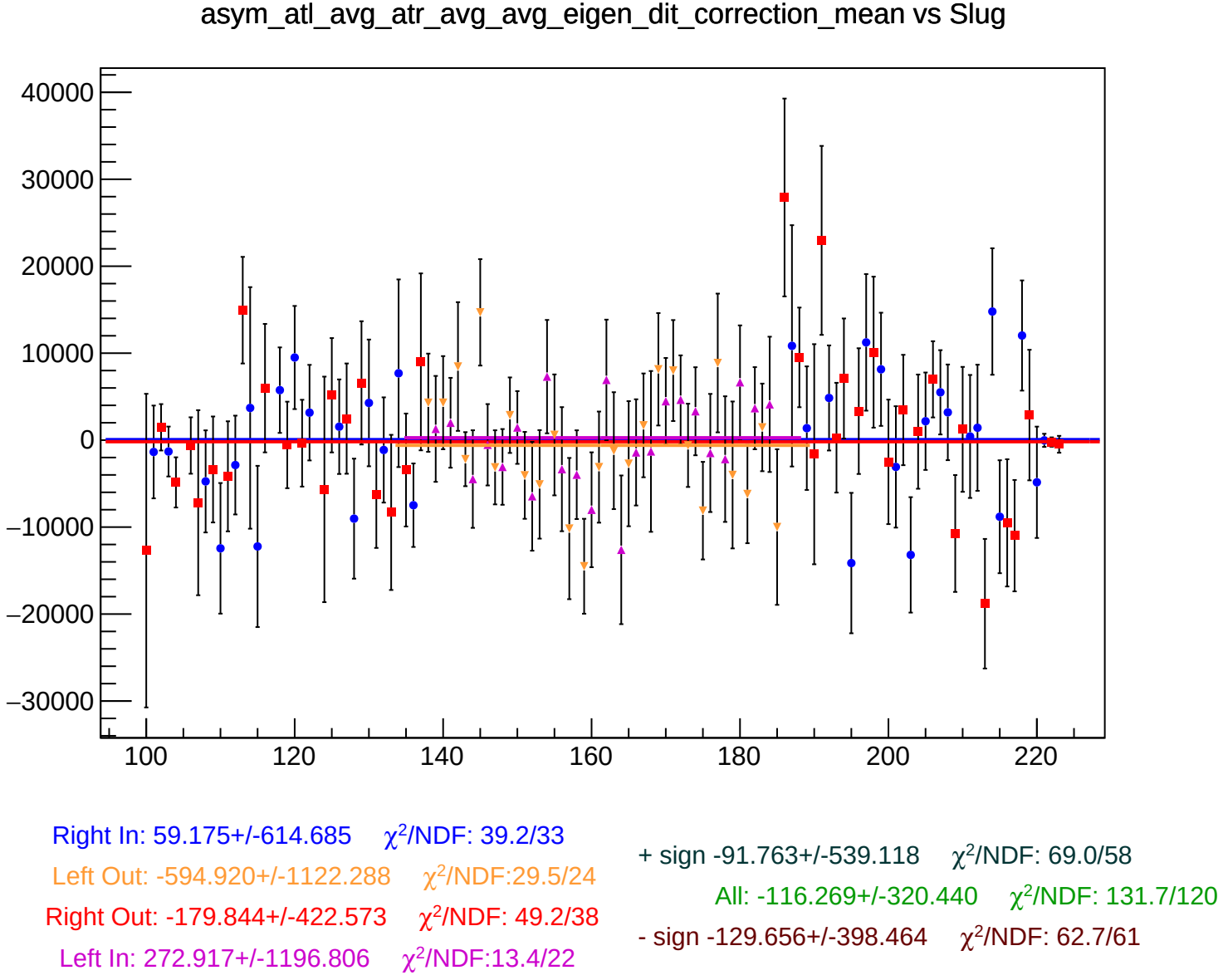
Right Out: 1338.576+/-0.206 χ^2/NDF: 2746906.5/38

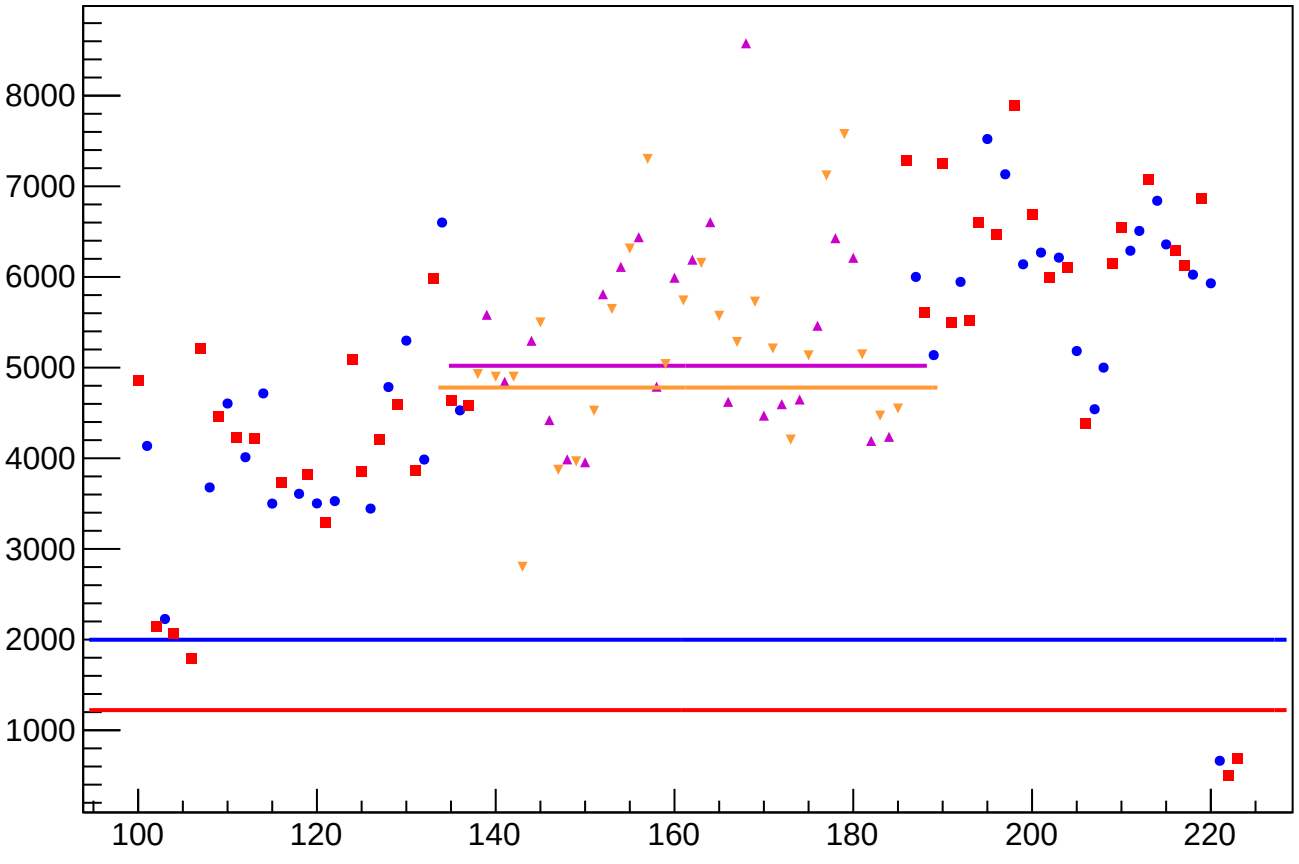
Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1324.751+/-0.147 χ^2/NDF: 788766.5/58

All: 1331.505+/-0.105 χ^2/NDF: 3594230.3/12

- sign 1338.589+/-0.151 χ^2/NDF: 2801157.5/61


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 59.175+/-614.685 χ²/NDF: 39.2/33
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -179.844+/-422.573 χ²/NDF: 49.2/38
Left In: 272.917+/-1196.806 χ²/NDF:13.4/22
+ sign -91.763+/-539.118 χ²/NDF: 69.0/58
All: -116.269+/-320.440 χ²/NDF: 131.7/120
- sign -129.656+/-398.464 χ²/NDF: 62.7/61



Right In: 1998.293+/-0.435 χ^2/NDF: 22089757.2/33

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 1222.097+/-0.299 χ^2/NDF: 28796152.9/38

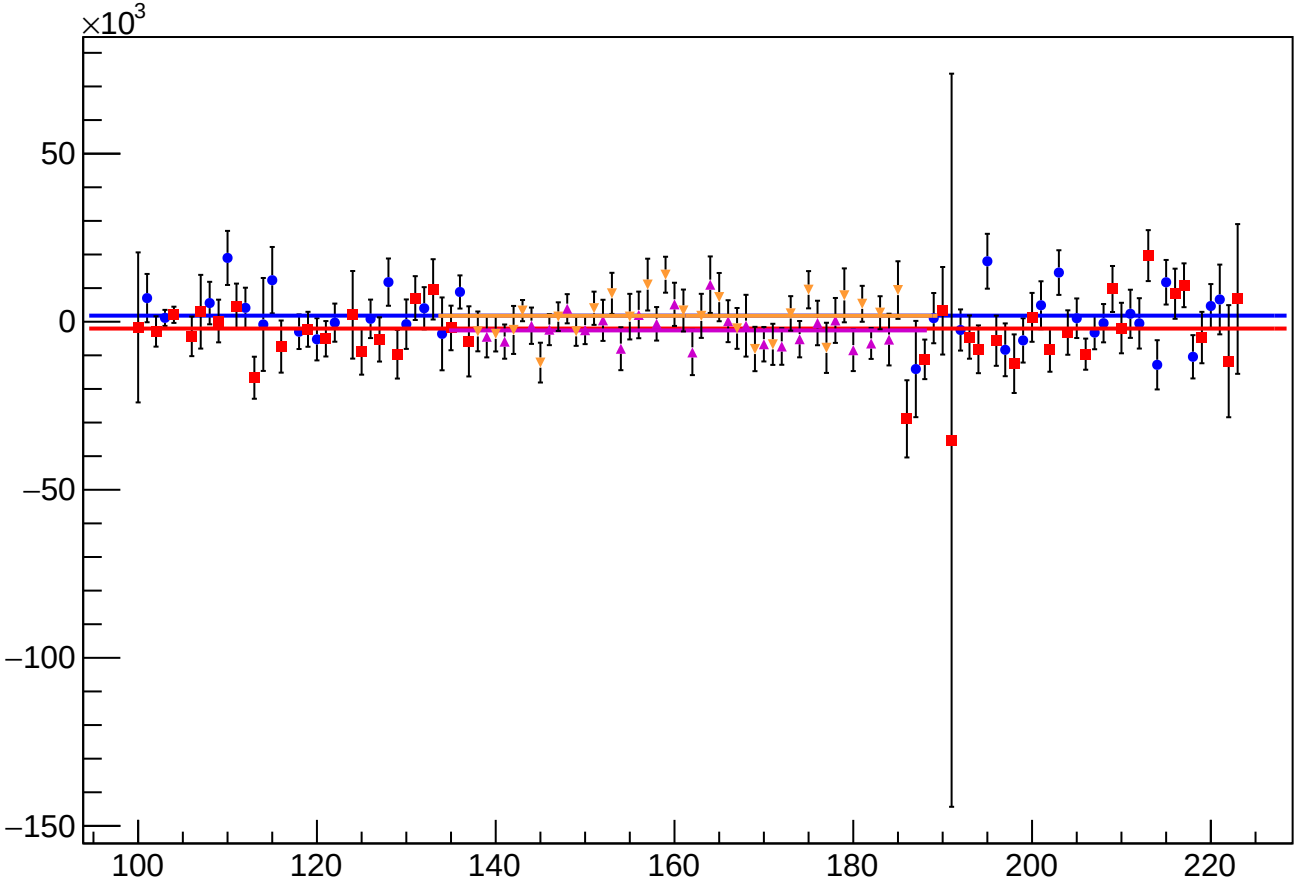
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 2640.289+/-0.381 χ^2/NDF: 33550369.9/58

All: 1995.427+/-0.227 χ^2/NDF: 85909607.7/1

- sign 1643.154+/-0.282 χ^2/NDF: 47934534.2/61

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1810.535+/-1054.079 χ^2/NDF: 37.7/33

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2031.347+/-1048.360 χ^2/NDF: 49.2/38

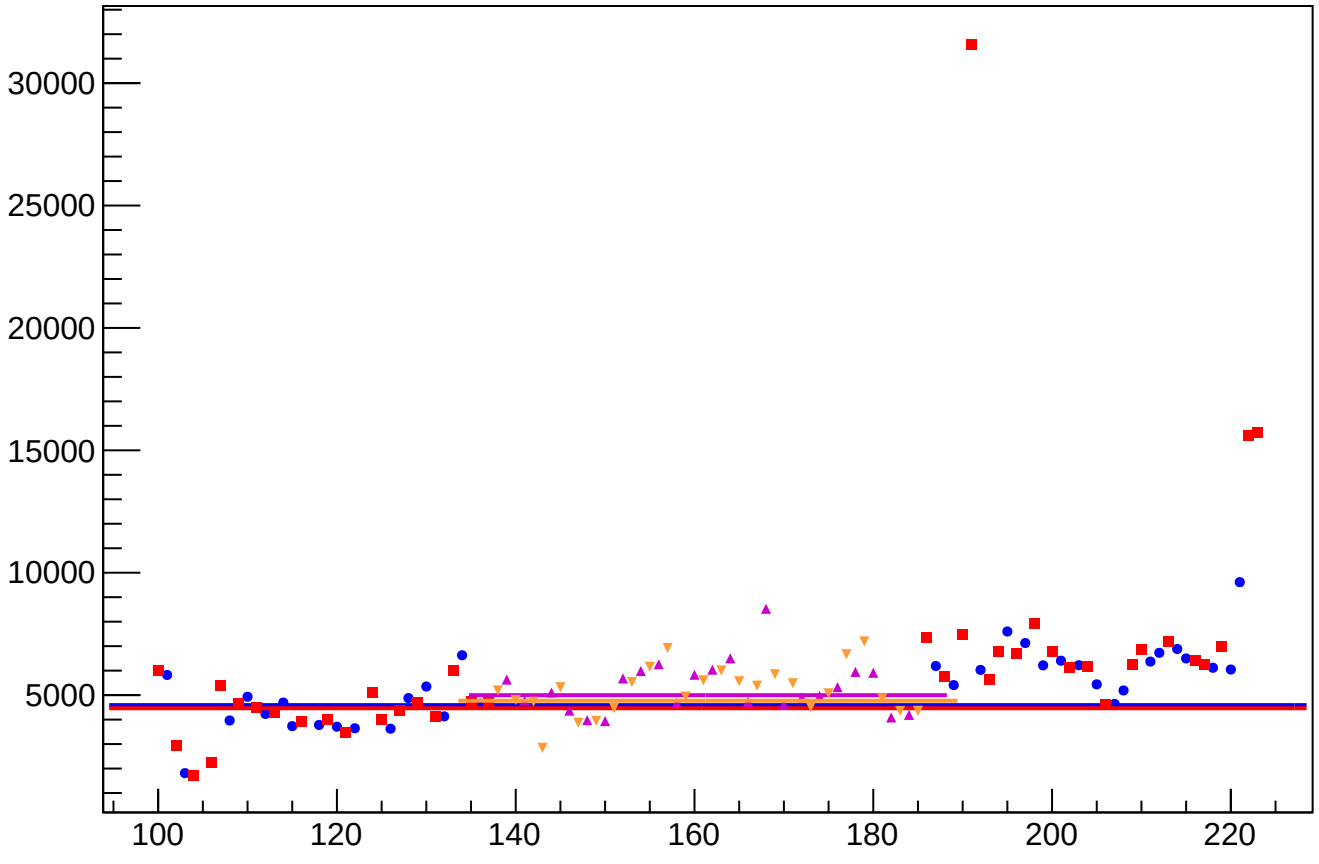
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

\+ sign 1787.507+/-766.377 χ^2/NDF: 65.4/58

All: -190.175+/-548.781 χ^2/NDF: 141.6/120

\- sign -2271.429+/-786.189 χ^2/NDF: 62.5/61

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4590.732+/-0.745 χ^2/NDF: 5539885.1/33

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

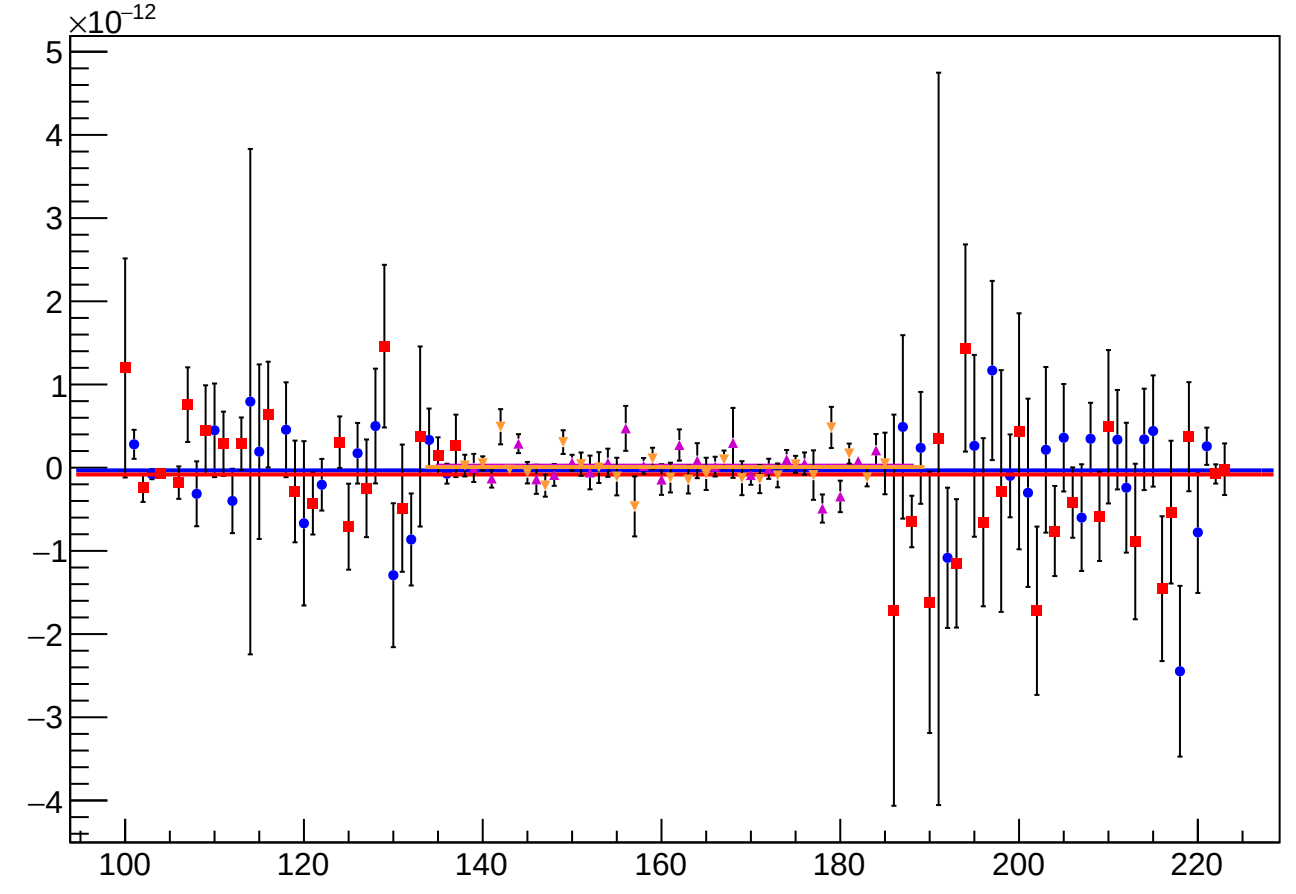
Right Out: 4463.221+/-0.735 χ^2/NDF: 7686910.0/38

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4675.792+/-0.542 χ^2/NDF: 7354596.9/58

All: 4684.932+/-0.387 χ^2/NDF: 16366307.6/1

- sign 4694.458+/-0.553 χ^2/NDF: 9011129.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

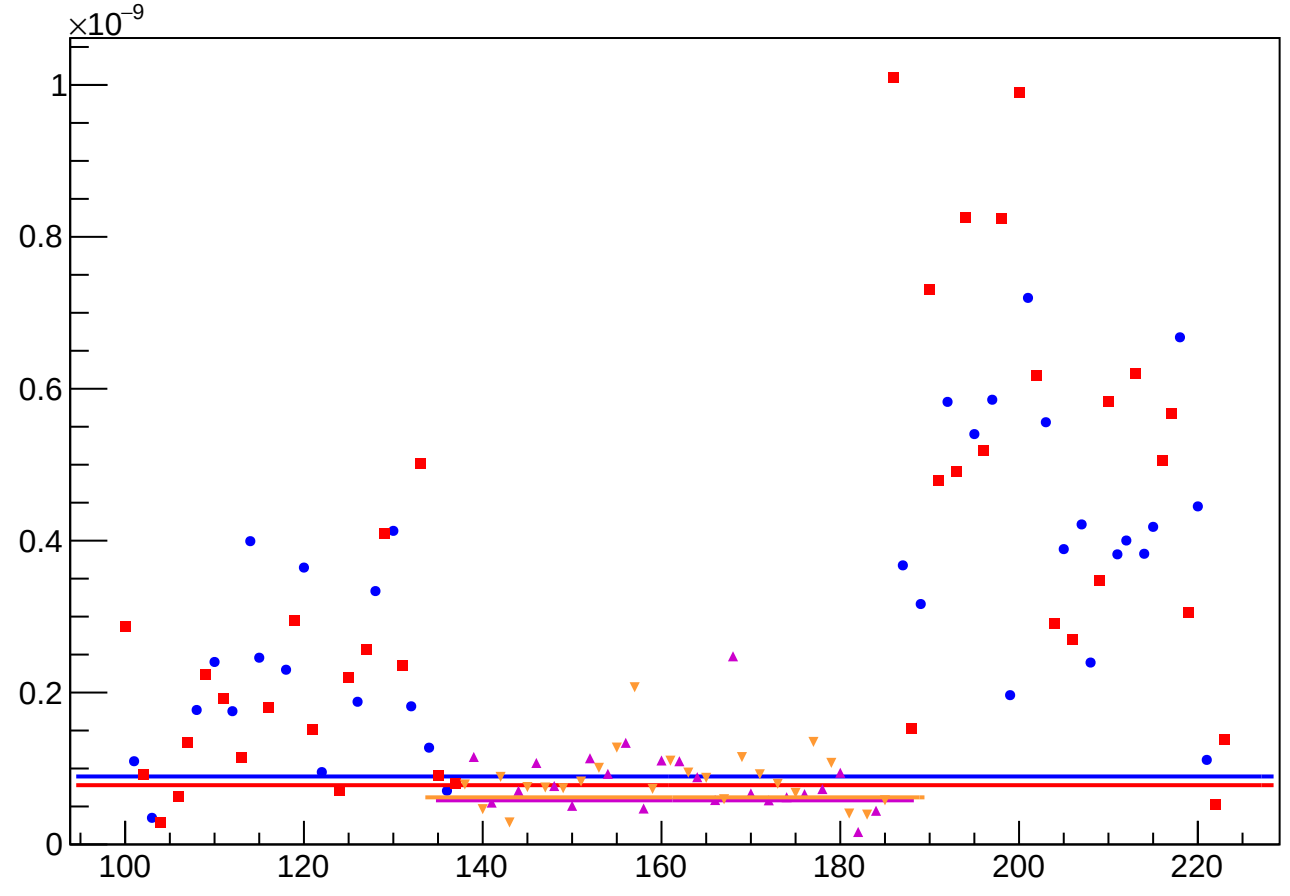
Right Out: -0.000+/-0.000 χ^2/NDF: 37.9/38

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/58

All: -0.000+/-0.000 χ^2/NDF: 130.6/120

- sign -0.000+/-0.000 χ^2/NDF: 74.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 10143810.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

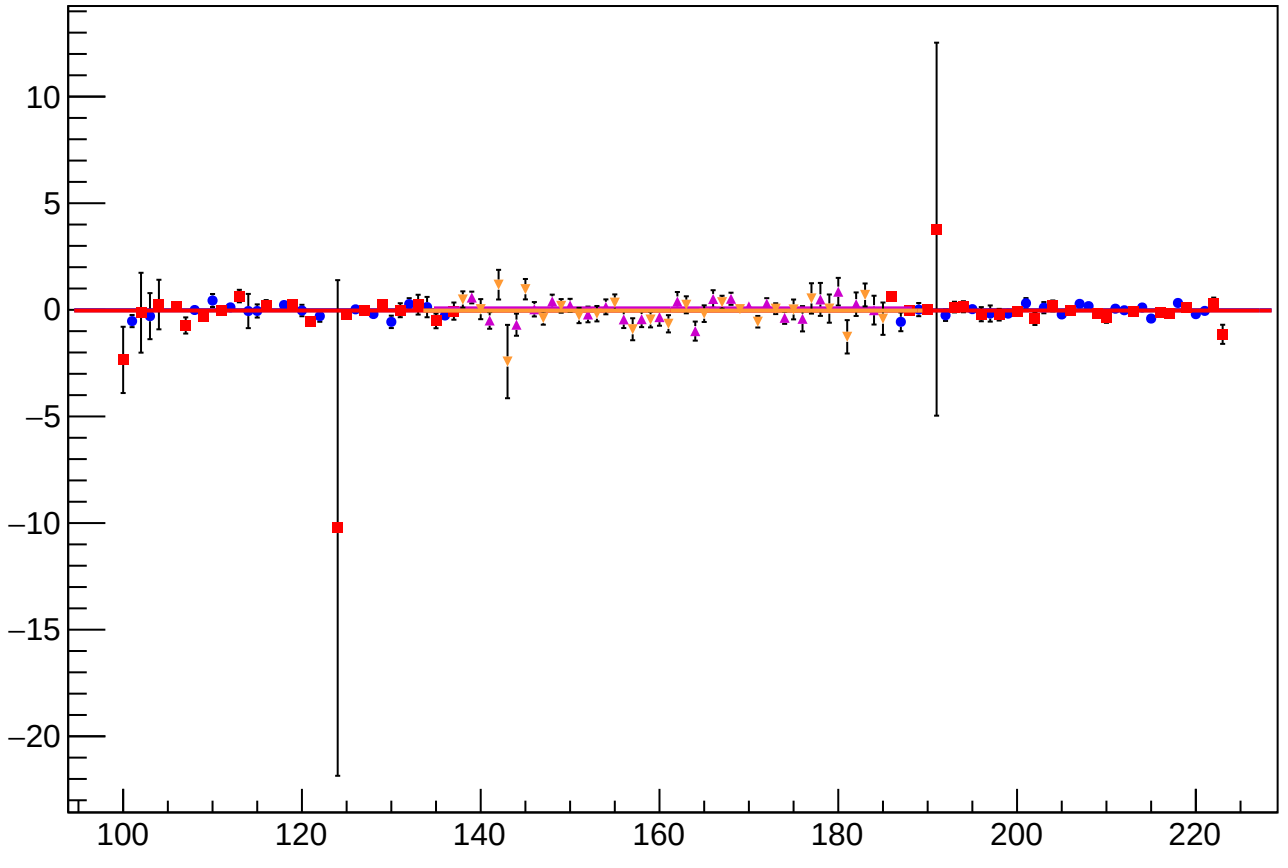
Right Out: 0.000+/-0.000 χ^2/NDF: 11630559.5/38

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13134676.3/58

All: 0.000+/-0.000 χ^2/NDF: 28105165.4/120

- sign 0.000+/-0.000 χ^2/NDF: 14919748.6/61



Right In: -0.019+/-0.038 χ^2/NDF: 41.3/33

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

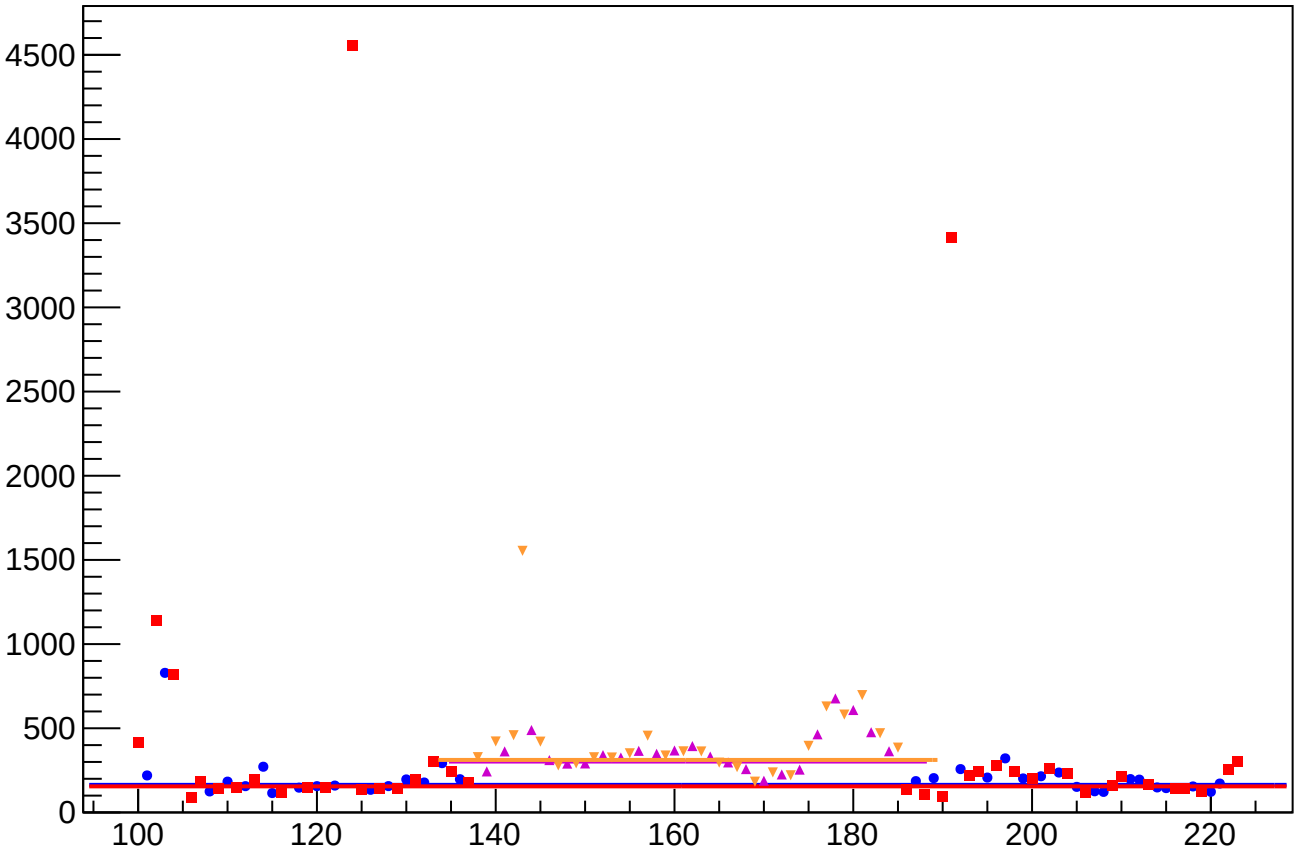
Right Out: -0.033+/-0.036 χ^2/NDF: 52.7/38

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.022+/-0.034 χ^2/NDF: 73.9/58

All: -0.018+/-0.023 χ^2/NDF: 158.1/120

- sign -0.014+/-0.033 χ^2/NDF: 84.2/61



Right In: 163.896+/-0.027 χ^2/NDF: 2960411.5/33

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

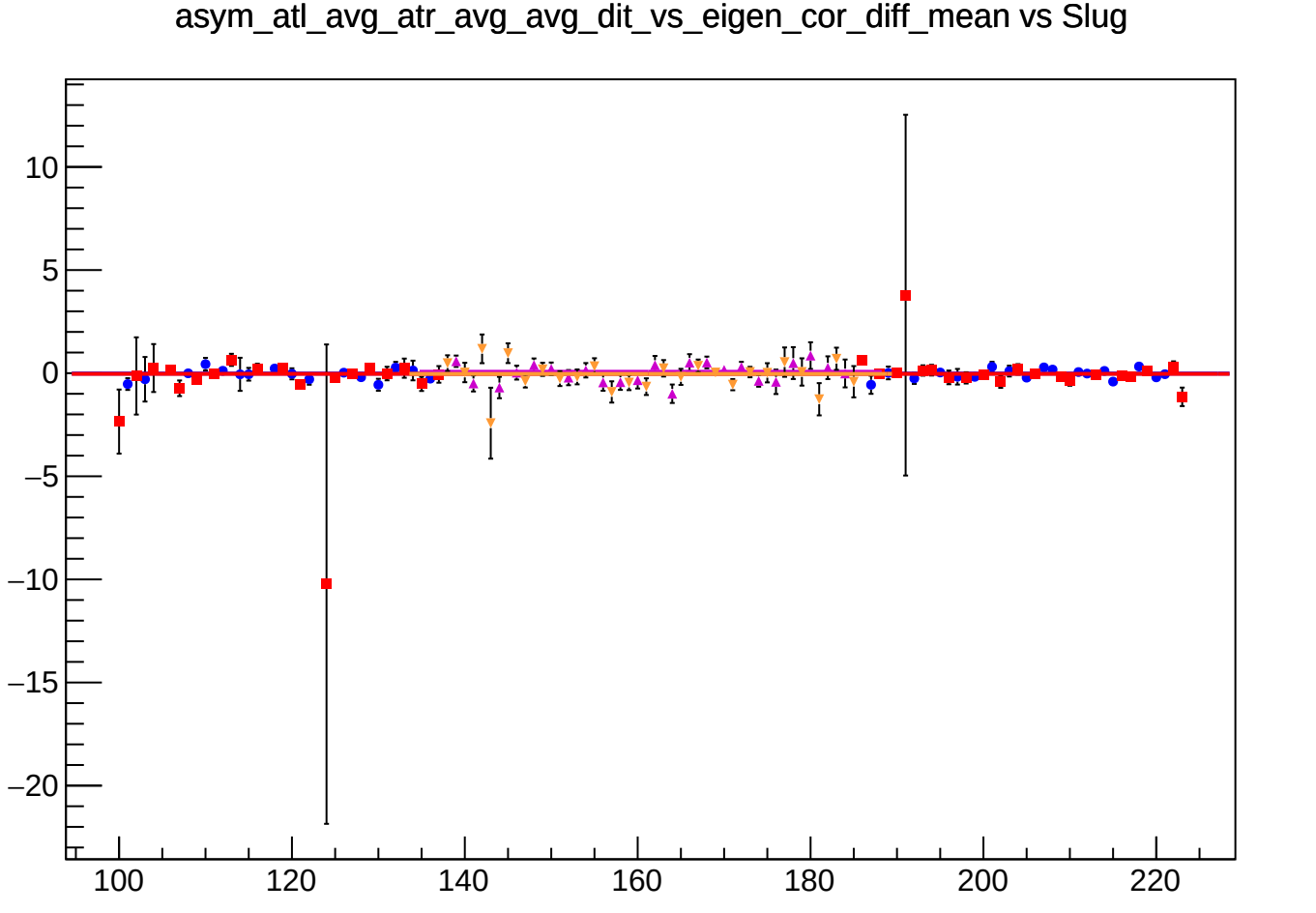
Right Out: 154.960+/-0.026 χ^2/NDF: 5451427.4/38

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 192.652+/-0.024 χ^2/NDF: 13320356.8/58

All: 187.664+/-0.017 χ^2/NDF: 27939098.7/12

- sign 183.003+/-0.023 χ^2/NDF: 14534438.3/61



Right In: -0.019+/-0.038 χ^2/NDF: 41.3/33

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

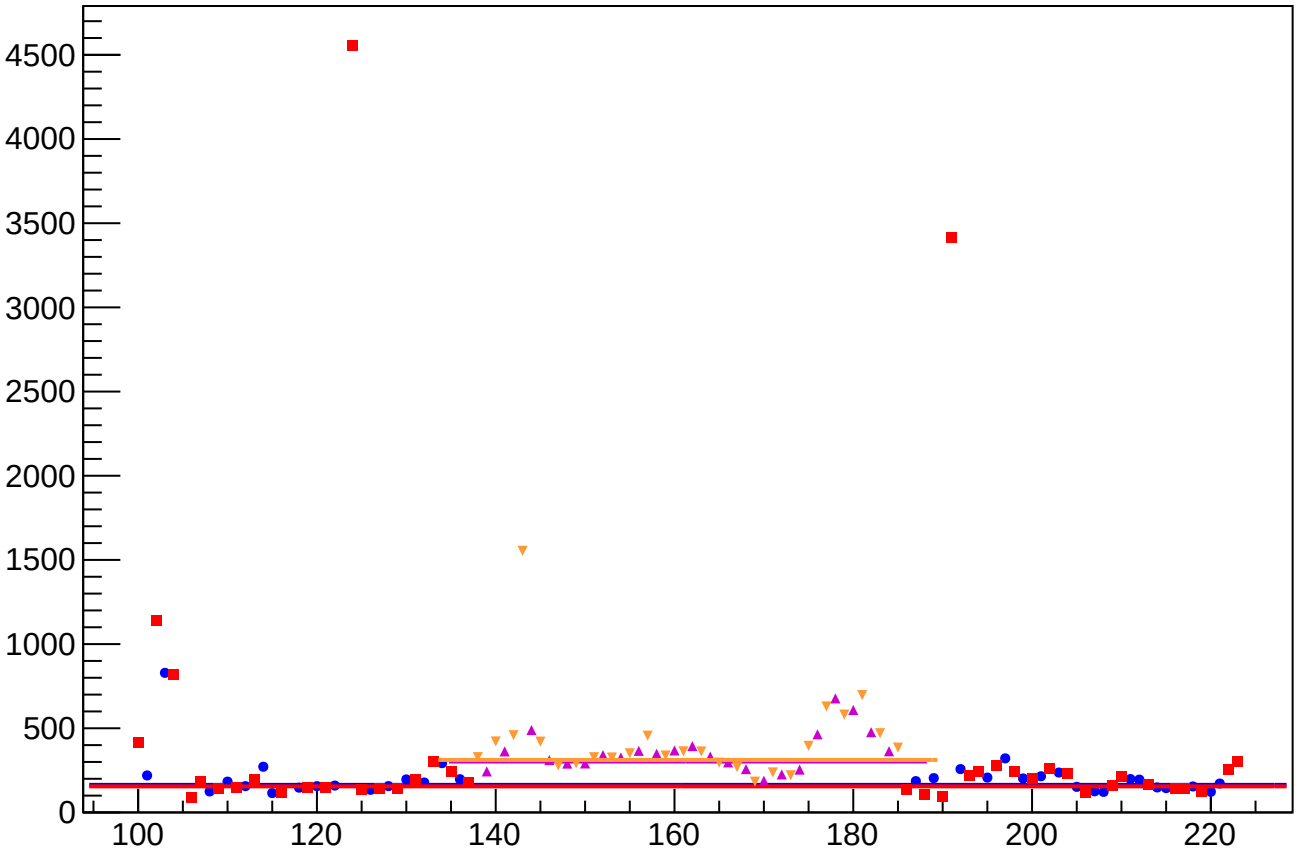
Right Out: -0.033+/-0.036 χ^2/NDF: 52.7/38

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.022+/-0.034 χ^2/NDF: 73.9/58

All: -0.018+/-0.023 χ^2/NDF: 158.1/120

- sign -0.014+/-0.033 χ^2/NDF: 84.2/61



Right In: 163.896+/-0.027 χ^2/NDF: 2960411.5/33

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

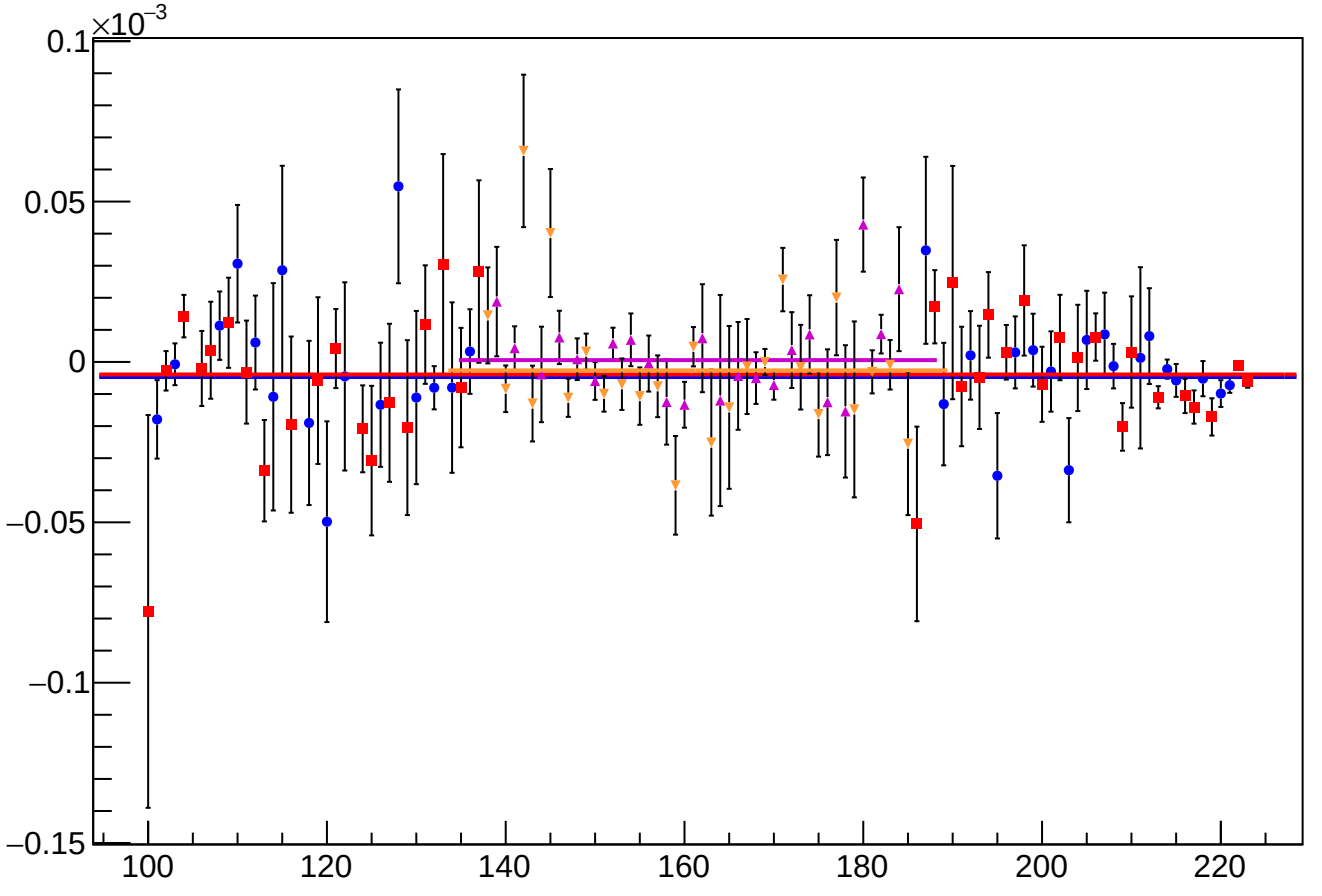
Right Out: 154.960+/-0.026 χ^2/NDF: 5451427.4/38

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 192.652+/-0.024 χ^2/NDF: 13320356.8/58

All: 187.664+/-0.017 χ^2/NDF: 27939098.7/12

- sign 183.003+/-0.023 χ^2/NDF: 14534438.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

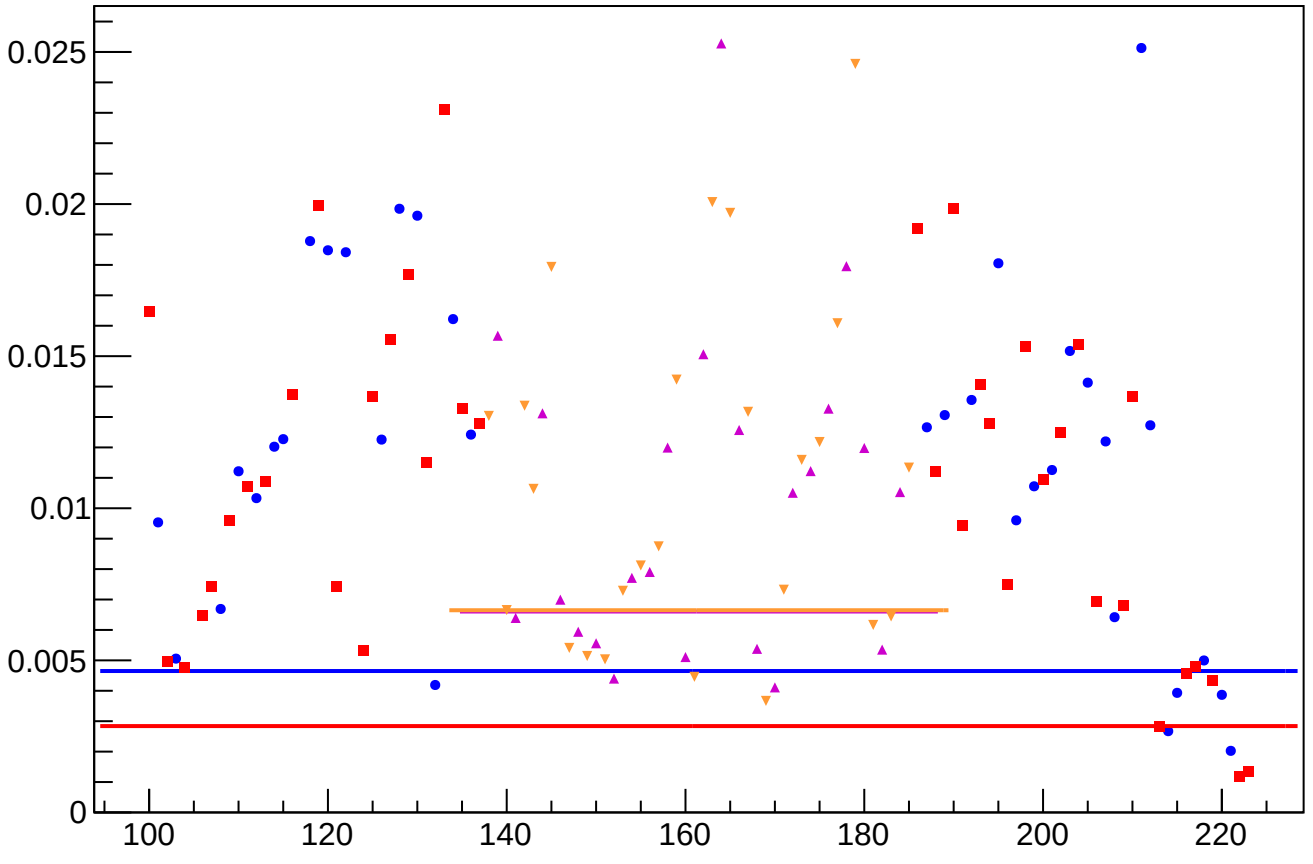
Right Out: -0.000+/-0.000 χ^2/NDF: 60.9/38

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.6/58

All: -0.000+/-0.000 χ^2/NDF: 167.9/120

- sign -0.000+/-0.000 χ^2/NDF: 92.8/61



Right In: 0.005+/-0.000 χ^2/NDF: 16409670.9/33

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

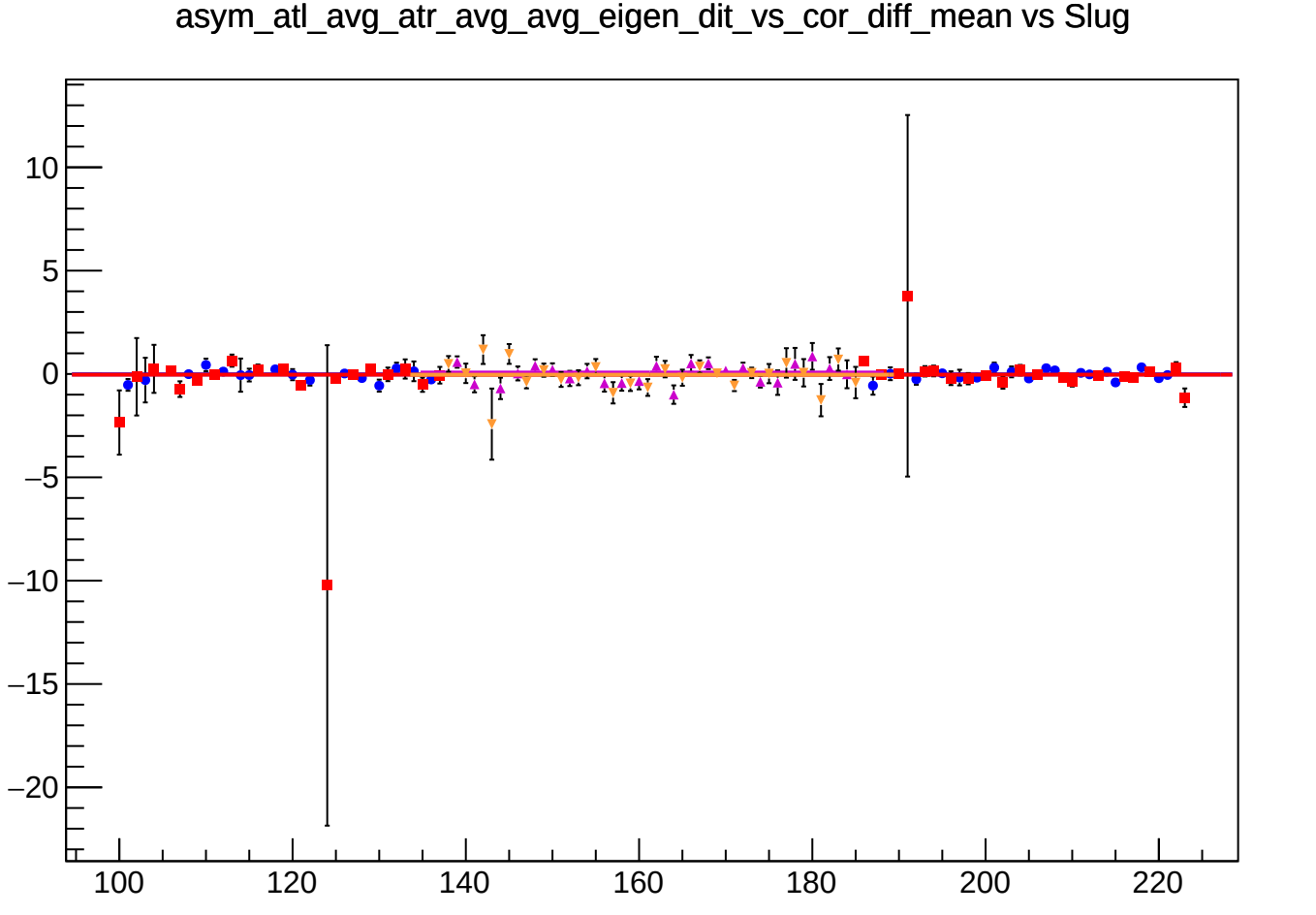
Right Out: 0.003+/-0.000 χ^2/NDF: 23506728.0/38

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.005+/-0.000 χ^2/NDF: 25605798.4/58

All: 0.004+/-0.000 χ^2/NDF: 65566416.9/120

- sign 0.004+/-0.000 χ^2/NDF: 36478482.1/61



Right In: -0.019+/-0.038 χ^2/NDF: 41.3/33

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

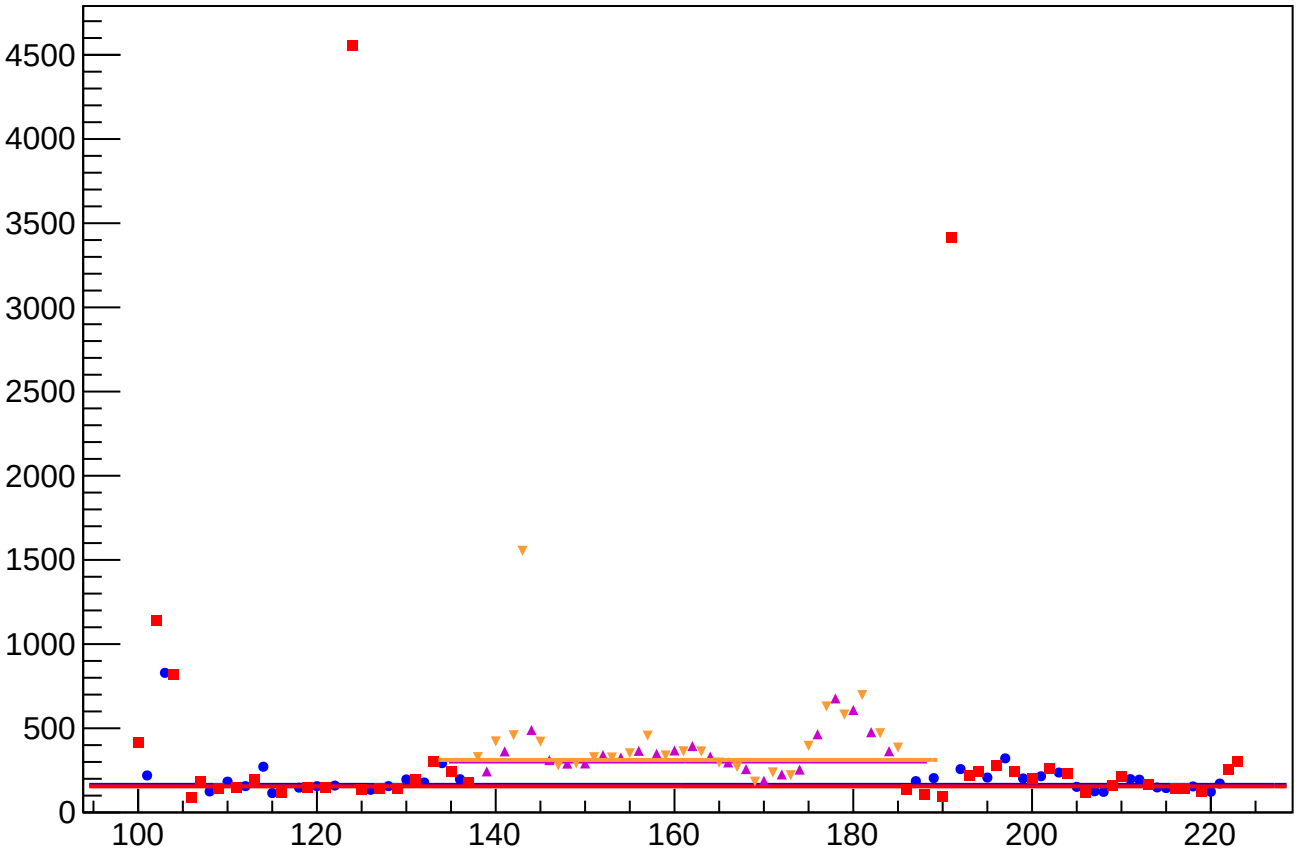
Right Out: -0.033+/-0.036 χ^2/NDF: 52.7/38

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.022+/-0.034 χ^2/NDF: 73.9/58

All: -0.018+/-0.023 χ^2/NDF: 158.1/120

- sign -0.014+/-0.033 χ^2/NDF: 84.2/61



Right In: 163.895+/-0.027 χ^2/NDF: 2960478.4/33

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

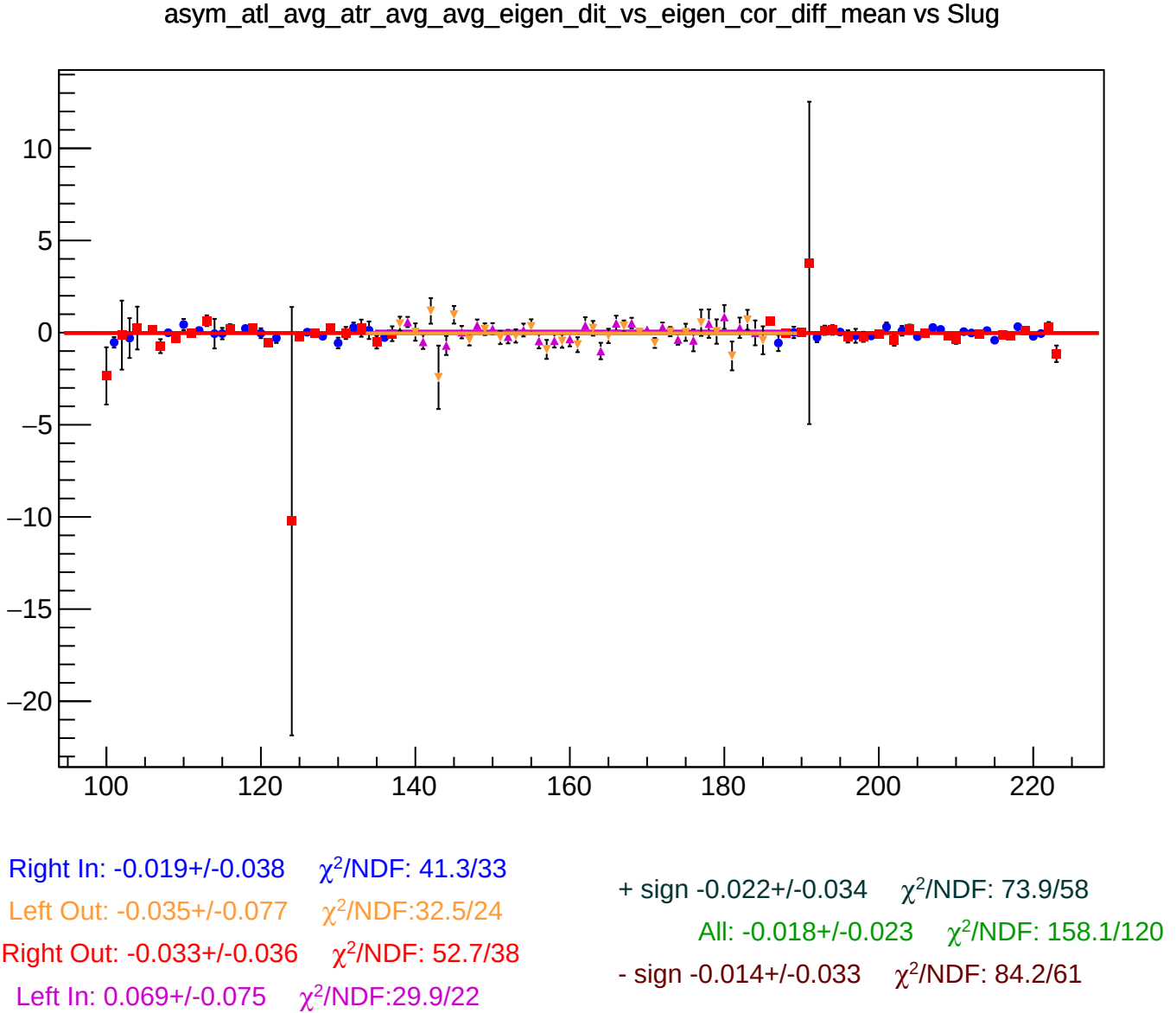
Right Out: 154.957+/-0.026 χ^2/NDF: 5451655.9/38

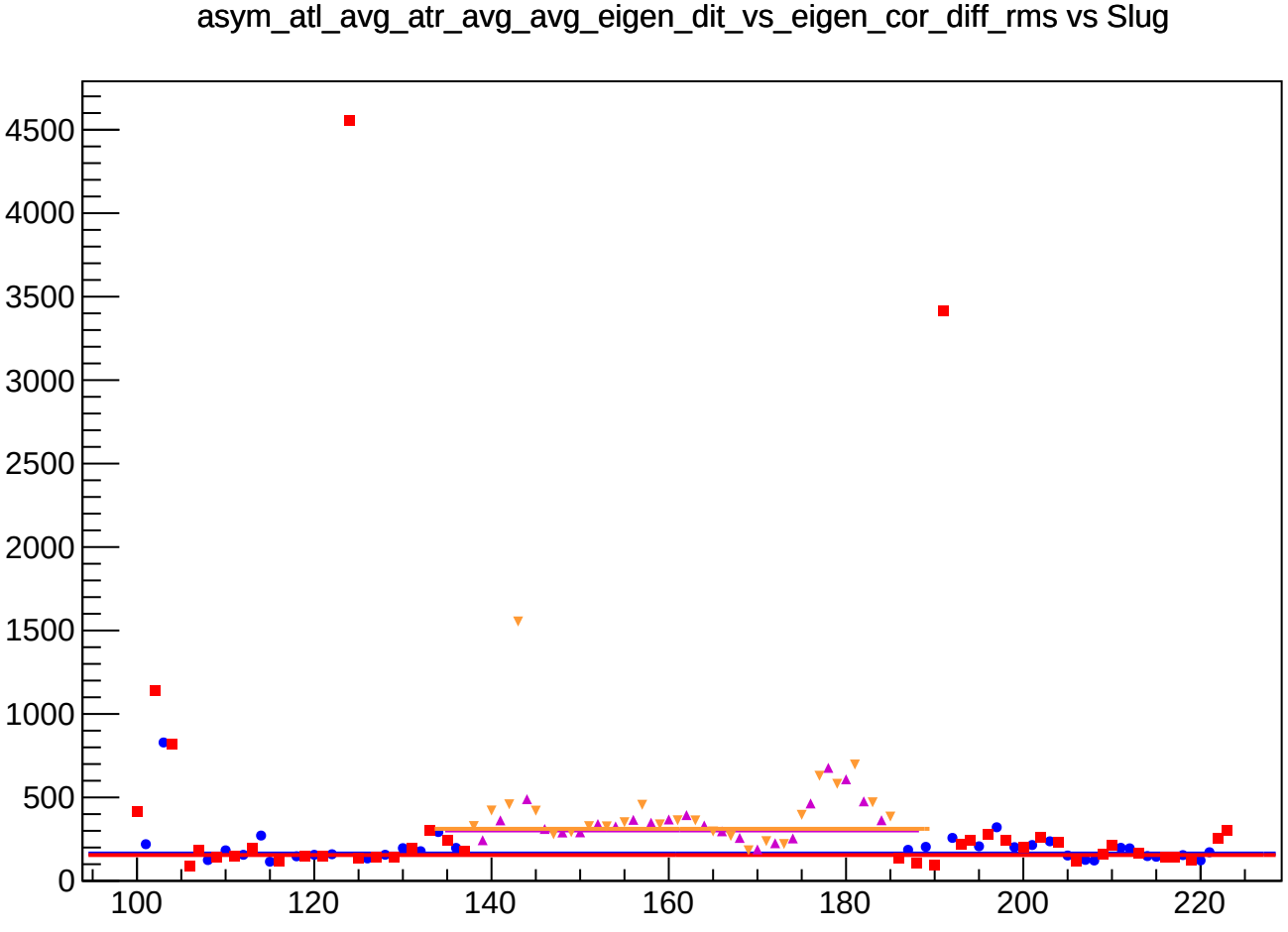
Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 192.651+/-0.024 χ^2/NDF: 13320698.0/58

All: 187.662+/-0.017 χ^2/NDF: 27940142.1/12

- sign 183.000+/-0.023 χ^2/NDF: 14535109.6/61


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
220
Right In: -0.019+/-0.038 χ²/NDF: 41.3/33
Left Out: -0.035+/-0.077 χ²/NDF:32.5/24
Right Out: -0.033+/-0.036 χ²/NDF: 52.7/38
Left In: 0.069+/-0.075 χ²/NDF:29.9/22
+ sign -0.022+/-0.034 χ²/NDF: 73.9/58
All: -0.018+/-0.023 χ²/NDF: 158.1/120
- sign -0.014+/-0.033 χ²/NDF: 84.2/61



Right In: 163.895+/-0.027 χ^2/NDF: 2960478.4/33

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

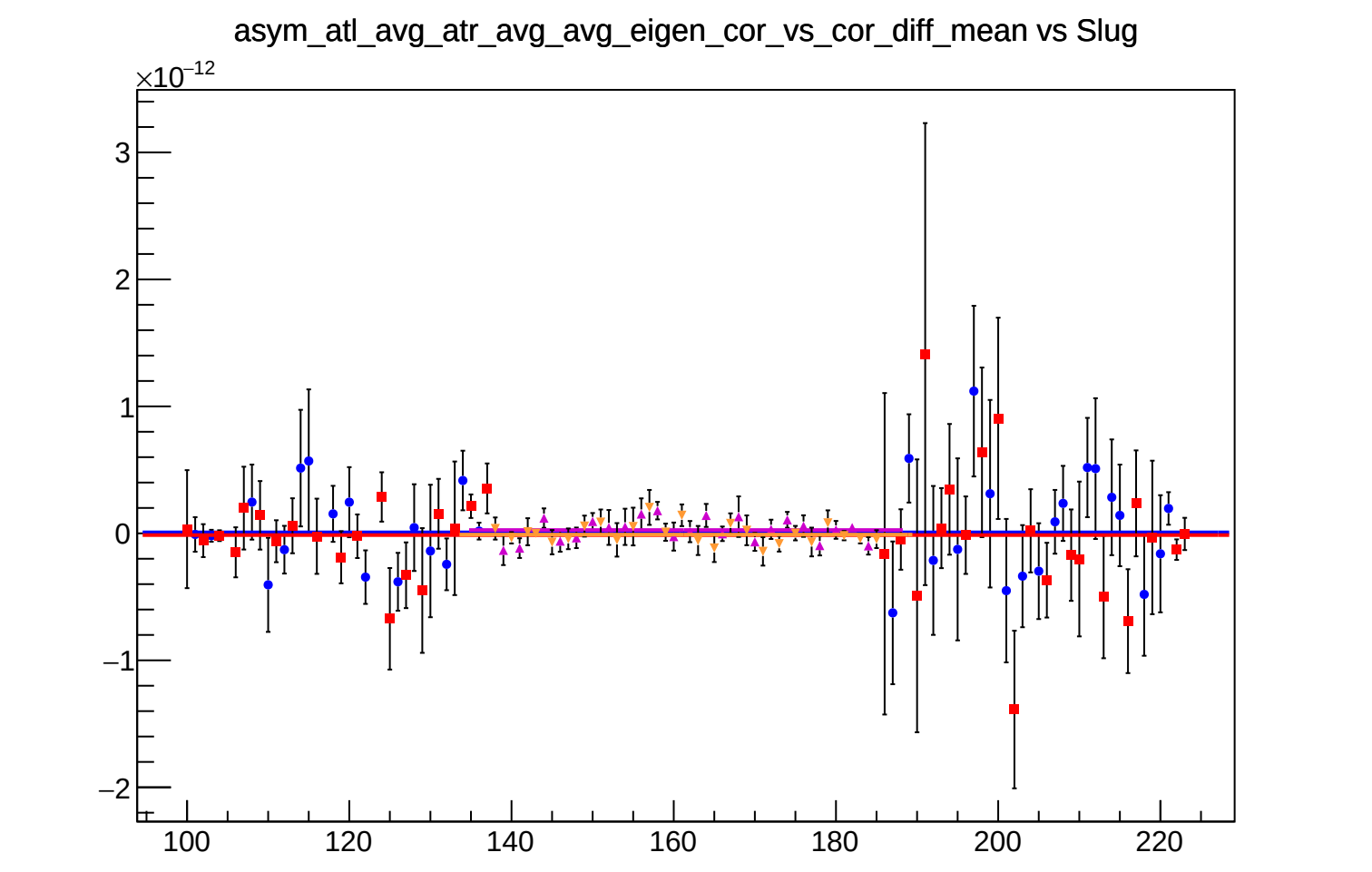
Right Out: 154.957+/-0.026 χ^2/NDF: 5451655.9/38

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 192.651+/-0.024 χ^2/NDF: 13320698.0/58

All: 187.662+/-0.017 χ^2/NDF: 27940142.1/12

- sign 183.000+/-0.023 χ^2/NDF: 14535109.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

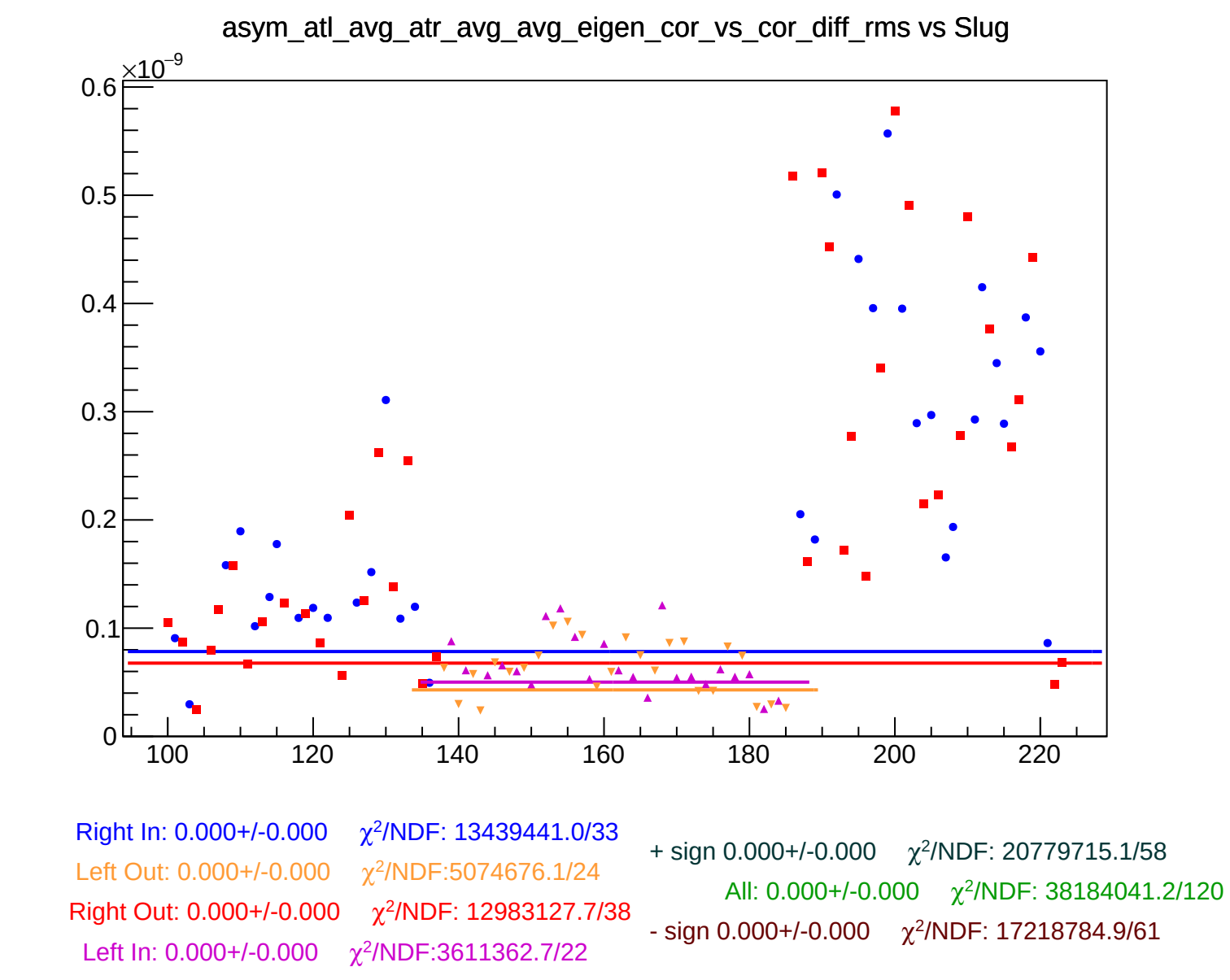
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/38

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

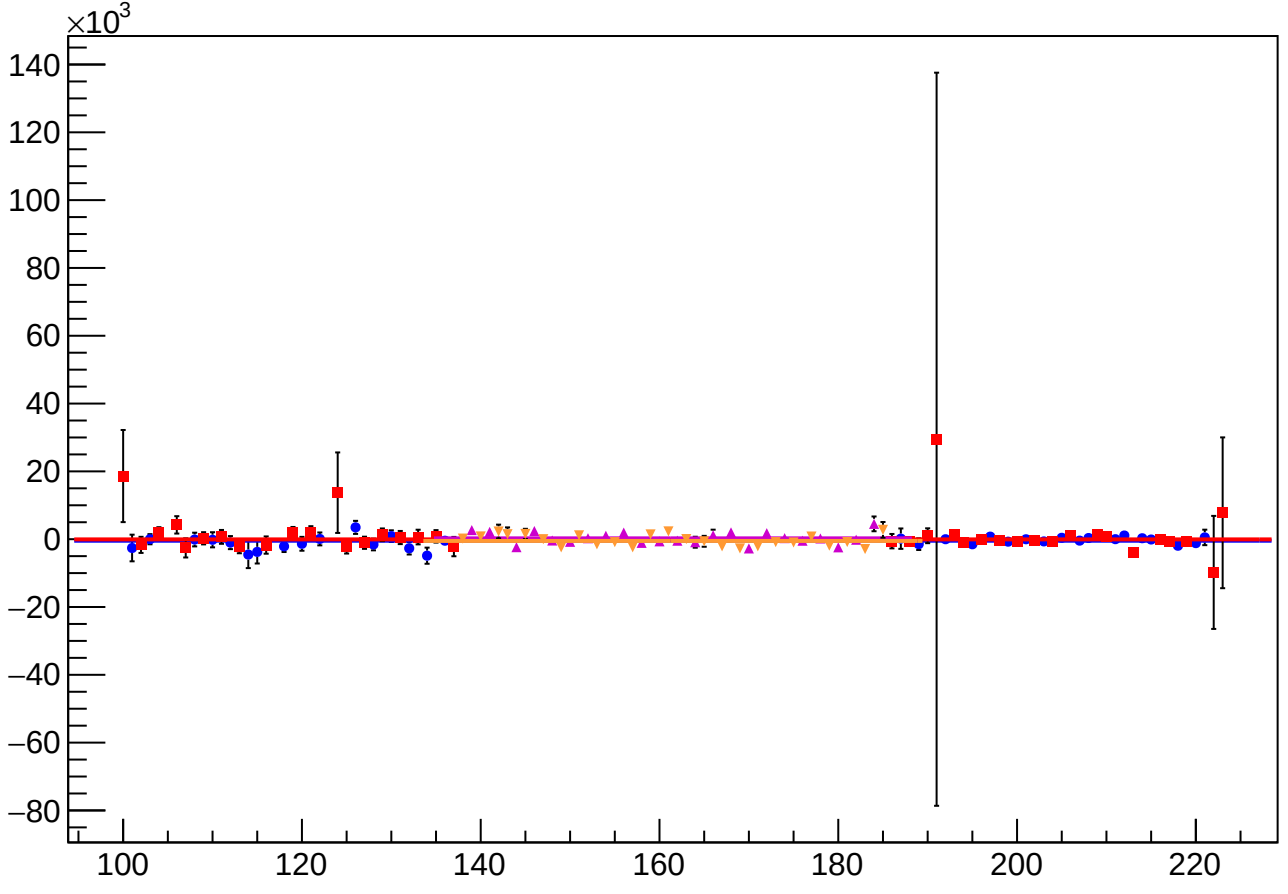
+ sign -0.000+/-0.000 χ^2/NDF: 49.2/58

All: 0.000+/-0.000 χ^2/NDF: 116.2/120

- sign 0.000+/-0.000 χ^2/NDF: 65.2/61


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 13439441.0/33
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 12983127.7/38
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
+ sign 0.000+/-0.000 χ²/NDF: 20779715.1/58
All: 0.000+/-0.000 χ²/NDF: 38184041.2/120
- sign 0.000+/-0.000 χ²/NDF: 17218784.9/61

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -447.361+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -62.274+/-280.509 χ^2/NDF: 30.7/38

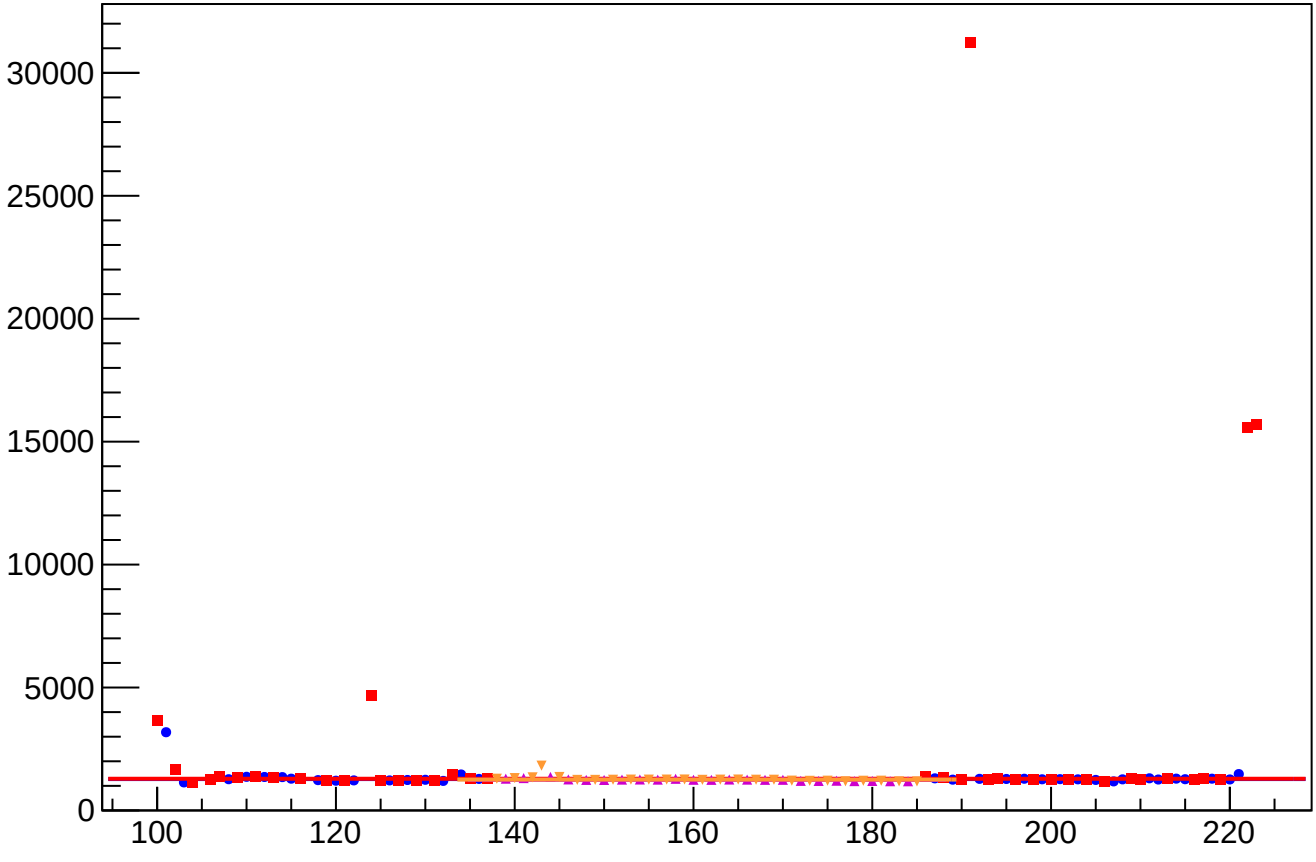
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -479.893+/-199.067 χ^2/NDF: 50.9/58

All: -201.830+/-141.791 χ^2/NDF: 118.2/120

- sign 84.523+/-202.012 χ^2/NDF: 63.3/61

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550800.6/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

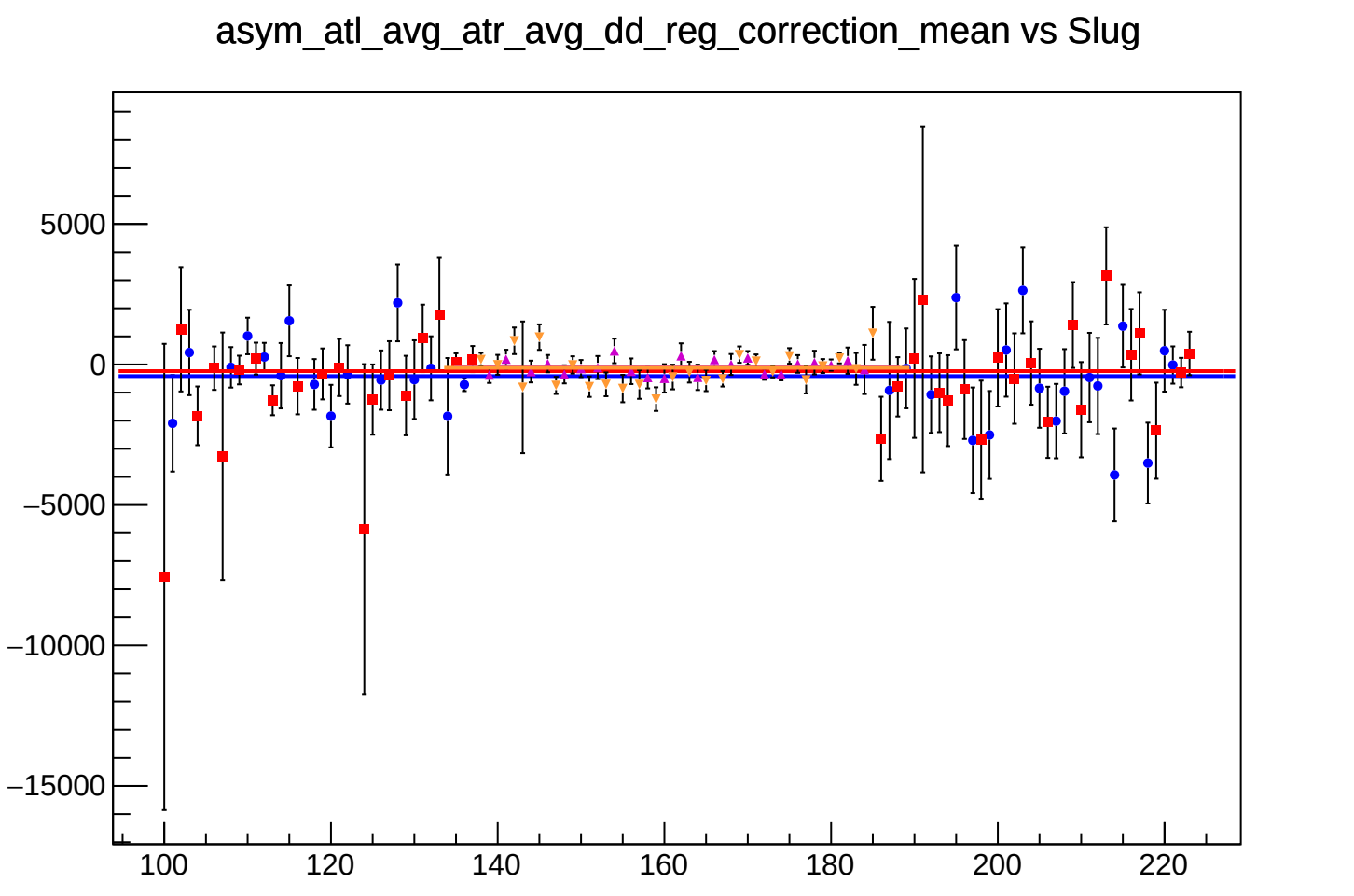
Right Out: 1289.215+/-0.198 χ^2/NDF: 2821314.1/38

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759556.9/58

All: 1267.479+/-0.100 χ^2/NDF: 3643322.4/12

- sign 1268.584+/-0.143 χ^2/NDF: 2883647.7/61



Right In: -414.601+/-149.684 χ^2/NDF: 41.5/33

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -235.586+/-145.649 χ^2/NDF: 31.1/38

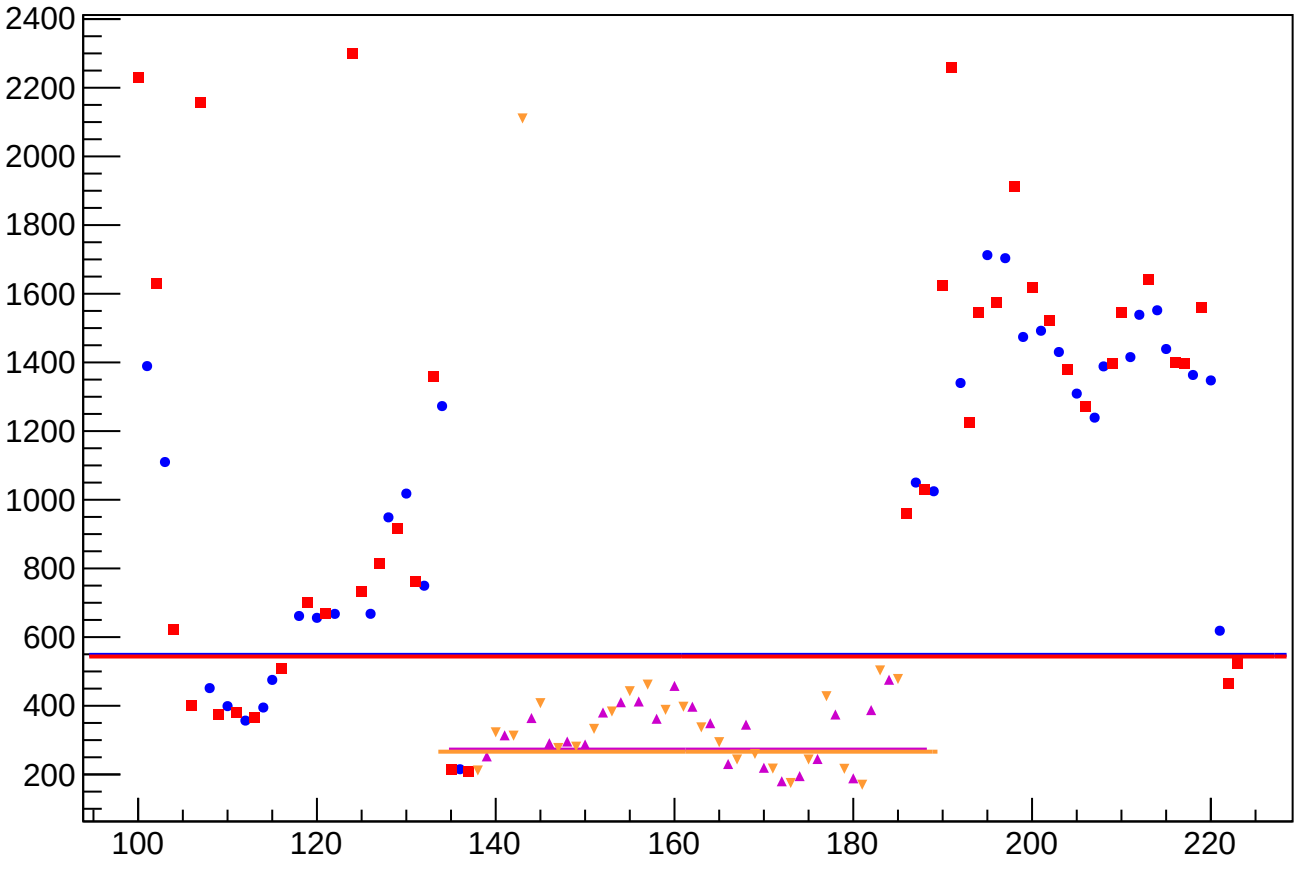
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -164.312+/-59.667 χ^2/NDF: 93.3/58

All: -147.371+/-42.610 χ^2/NDF: 138.9/120

- sign -129.740+/-60.869 χ^2/NDF: 45.4/61

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 548.299+/-0.106 χ^2/NDF: 16579464.4/33

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 543.468+/-0.103 χ^2/NDF: 16567746.3/38

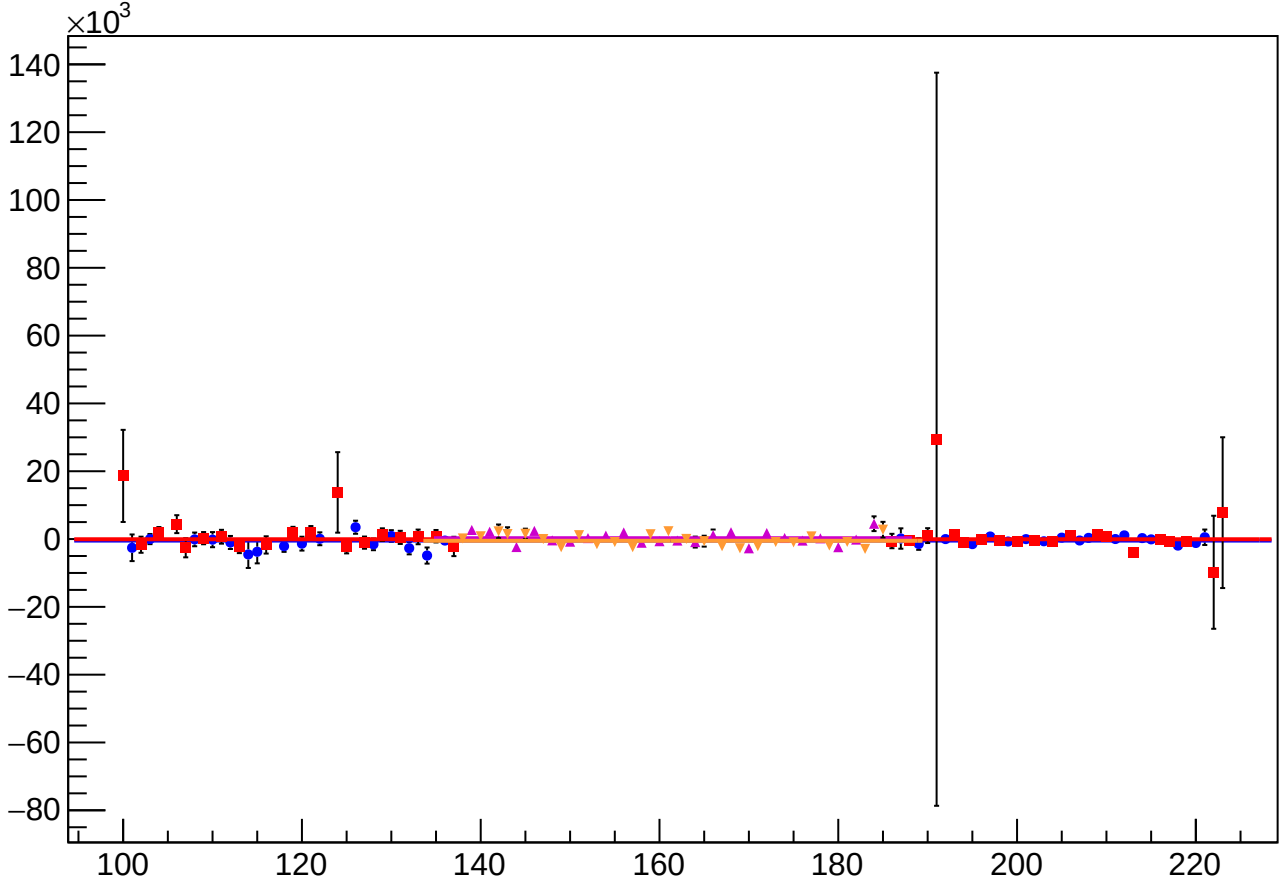
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 311.126+/-0.042 χ^2/NDF: 27179424.2/58

All: 315.336+/-0.030 χ^2/NDF: 52374146.8/12

- sign 319.717+/-0.043 χ^2/NDF: 25174407.0/61

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -447.215+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -63.425+/-280.610 χ^2/NDF: 30.7/38

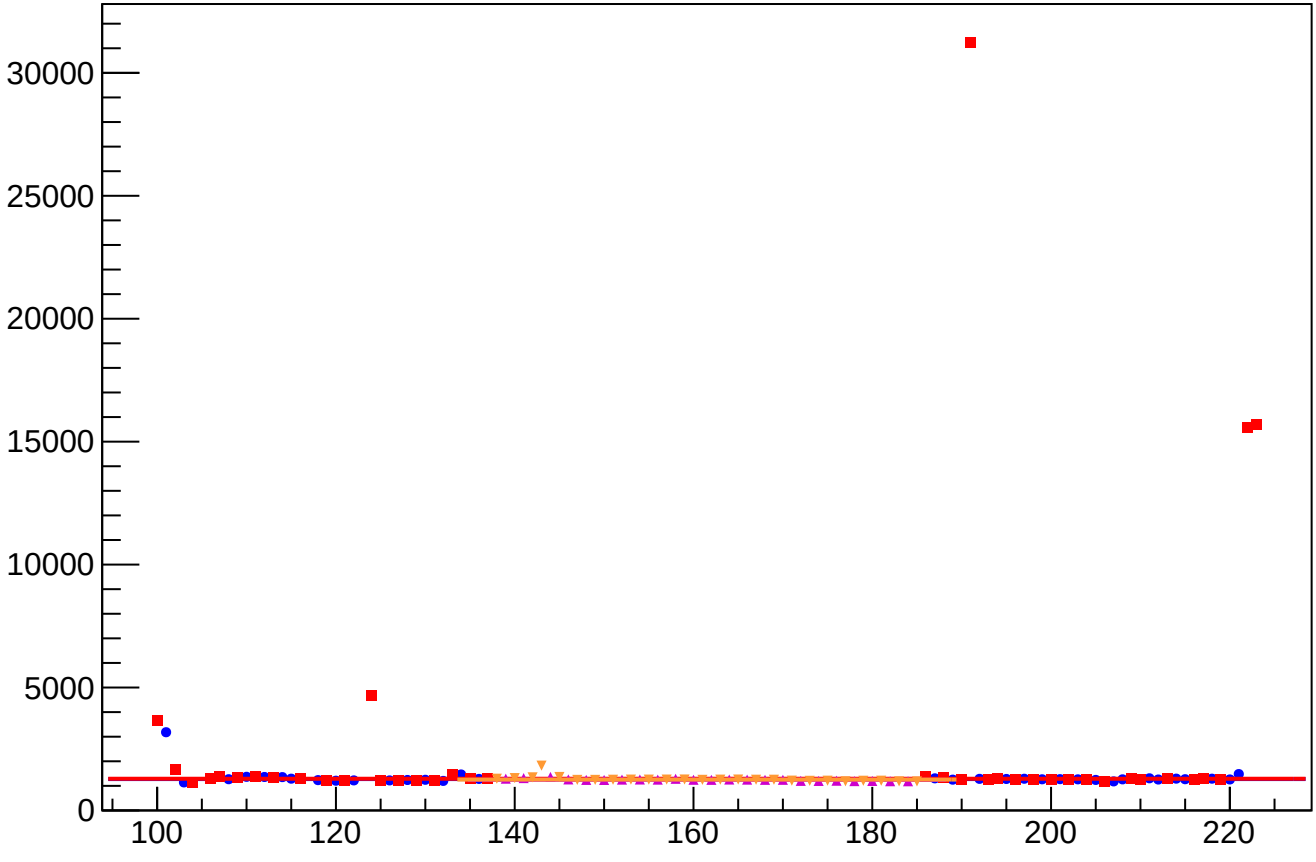
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -479.791+/-199.067 χ^2/NDF: 50.9/58

All: -202.103+/-141.804 χ^2/NDF: 118.2/120

- sign 83.970+/-202.050 χ^2/NDF: 63.4/61

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550802.0/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

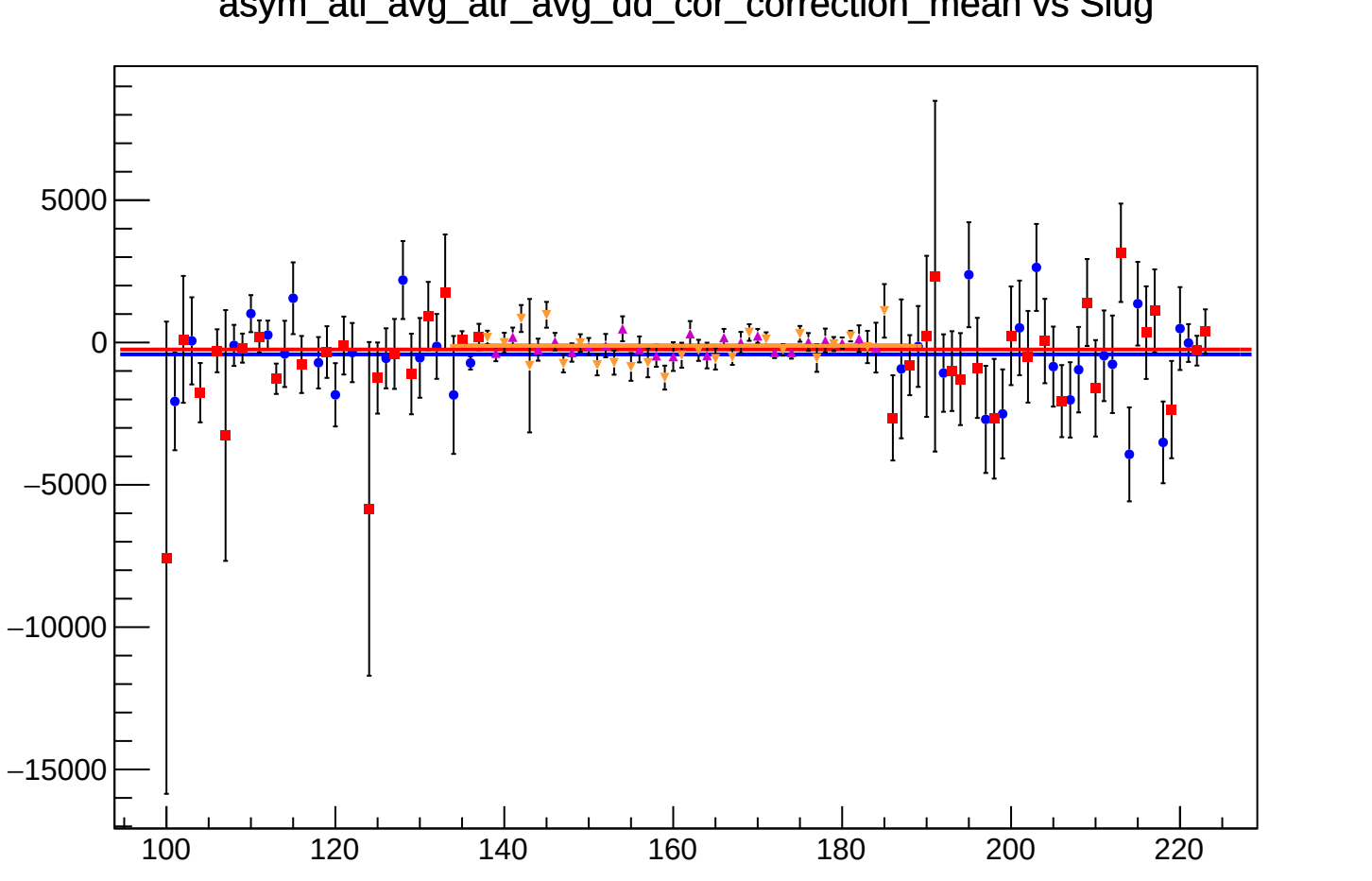
Right Out: 1289.694+/-0.198 χ^2/NDF: 2821162.2/38

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759558.2/58

All: 1267.598+/-0.100 χ^2/NDF: 3643695.7/12

- sign 1268.824+/-0.143 χ^2/NDF: 2883992.2/61



Right In: -418.049+/-149.702 χ^2/NDF: 41.3/33

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -245.114+/-145.524 χ^2/NDF: 30.4/38

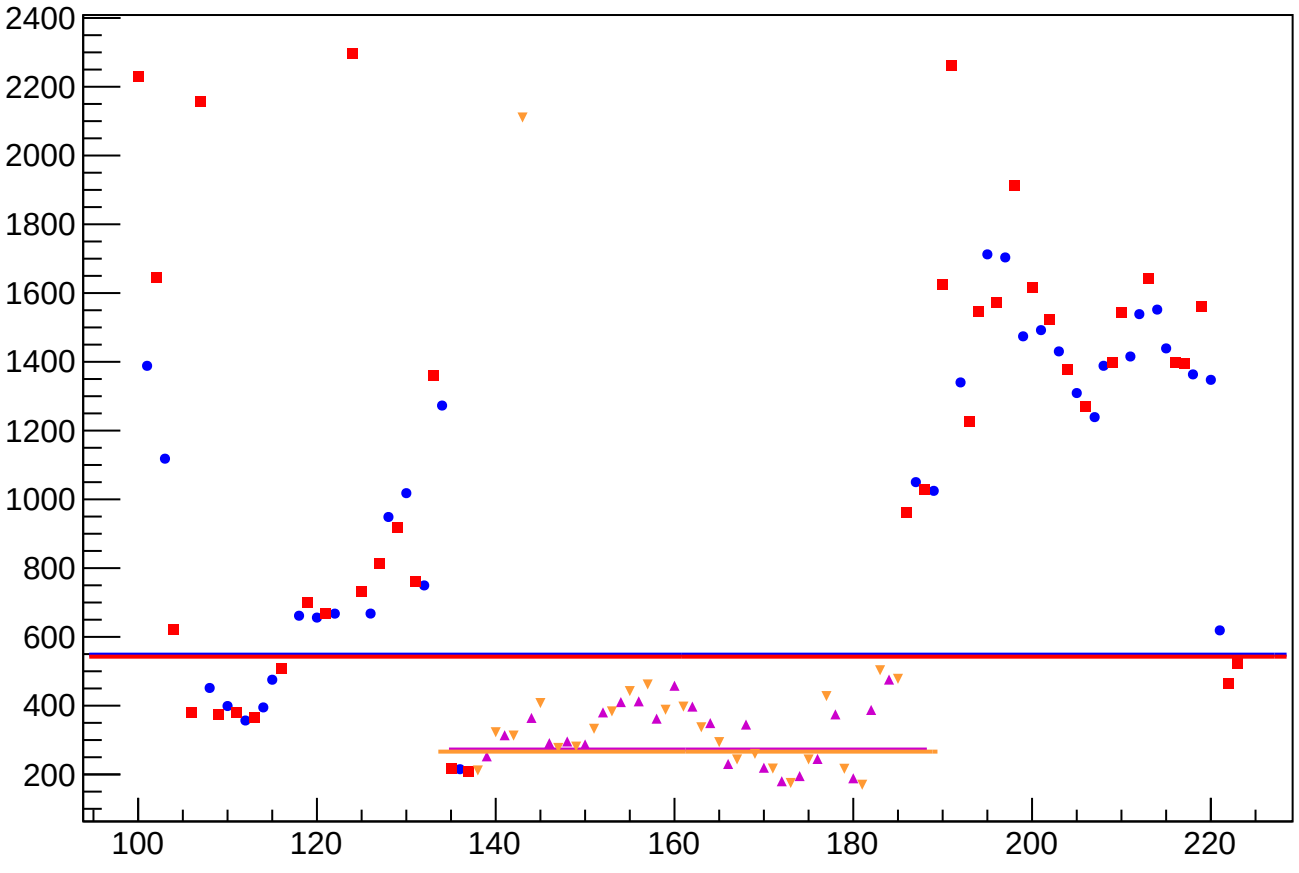
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -164.829+/-59.669 χ^2/NDF: 93.1/58

All: -148.512+/-42.608 χ^2/NDF: 138.2/120

- sign -131.536+/-60.861 χ^2/NDF: 44.9/61

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 548.342+/-0.106 χ^2/NDF: 16582614.5/33

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

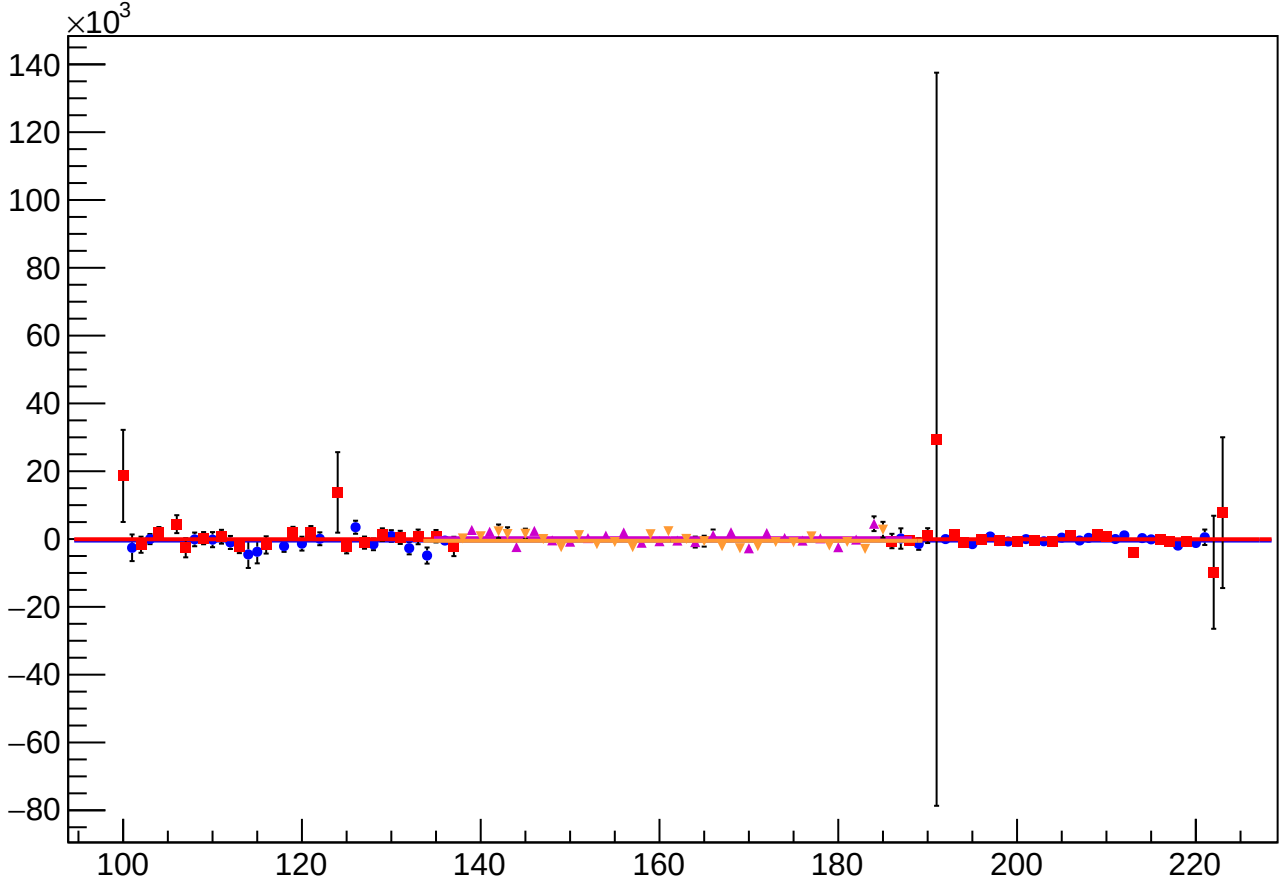
Right Out: 542.499+/-0.103 χ^2/NDF: 16598382.2/38

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 311.130+/-0.042 χ^2/NDF: 27182948.1/58

All: 315.293+/-0.030 χ^2/NDF: 52374460.5/12

- sign 319.625+/-0.043 χ^2/NDF: 25171646.3/61



Right In: -447.215+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -63.425+/-280.610 χ^2/NDF: 30.7/38

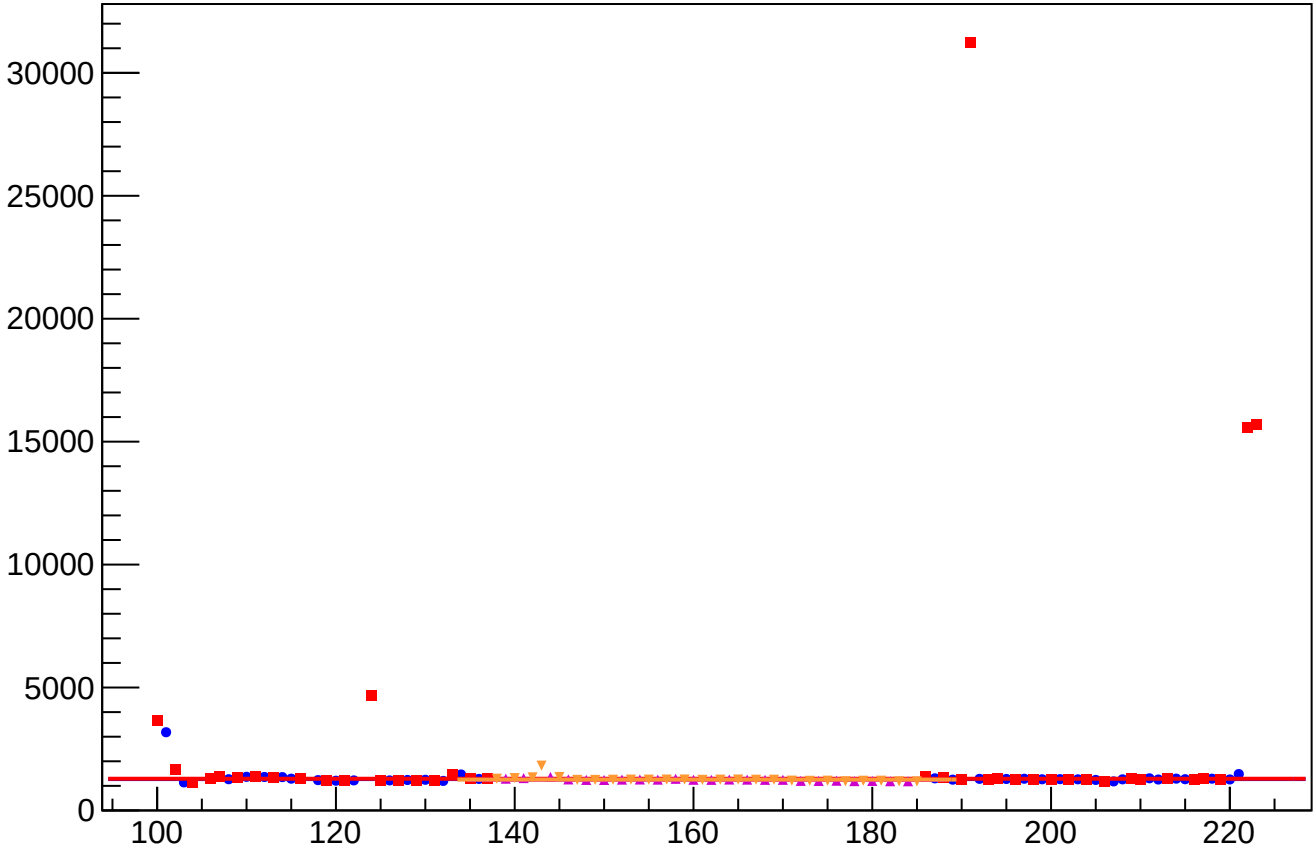
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -479.791+/-199.067 χ^2/NDF: 50.9/58

All: -202.103+/-141.804 χ^2/NDF: 118.2/120

- sign 83.970+/-202.050 χ^2/NDF: 63.4/61

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550802.0/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

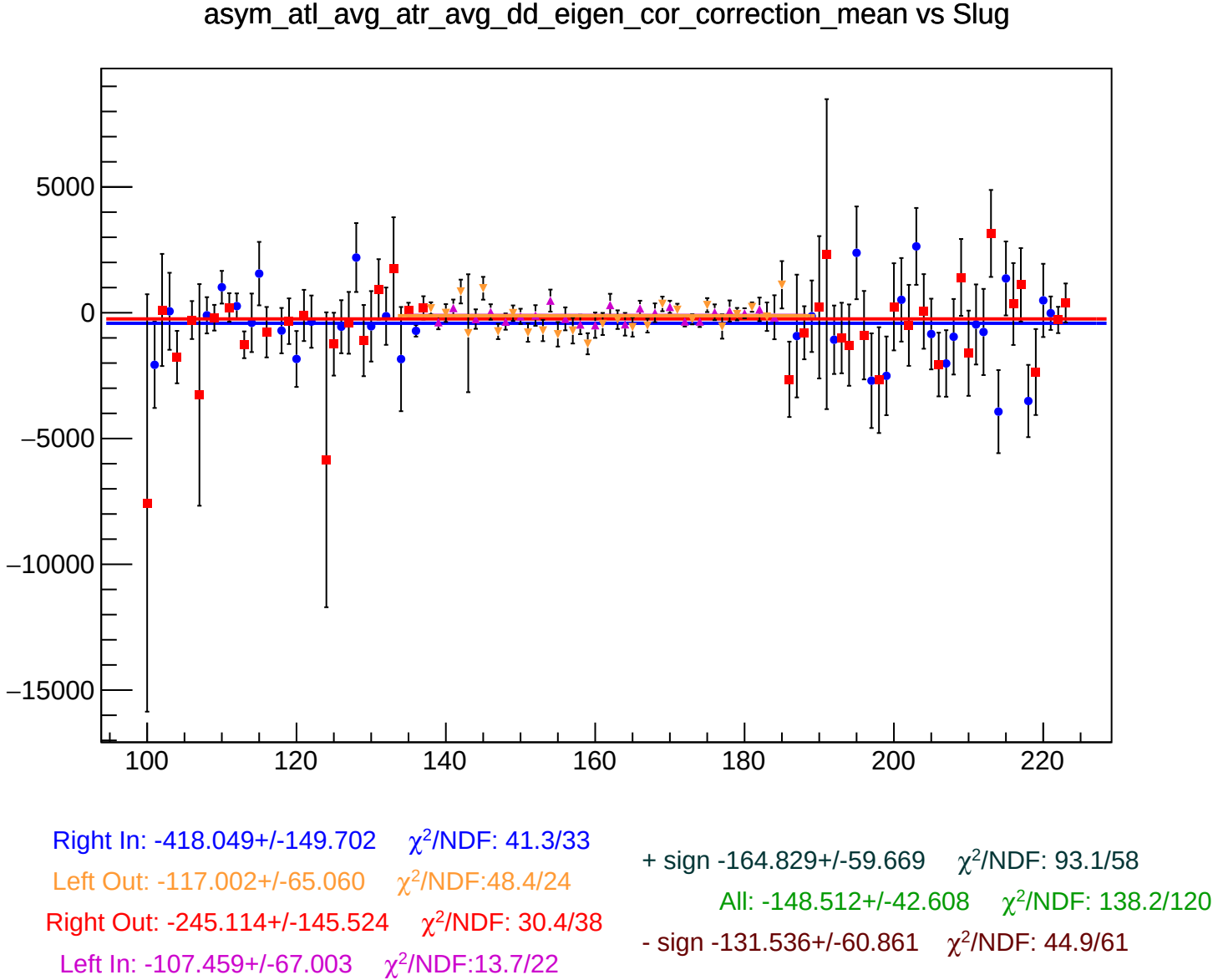
Right Out: 1289.694+/-0.198 χ^2/NDF: 2821162.2/38

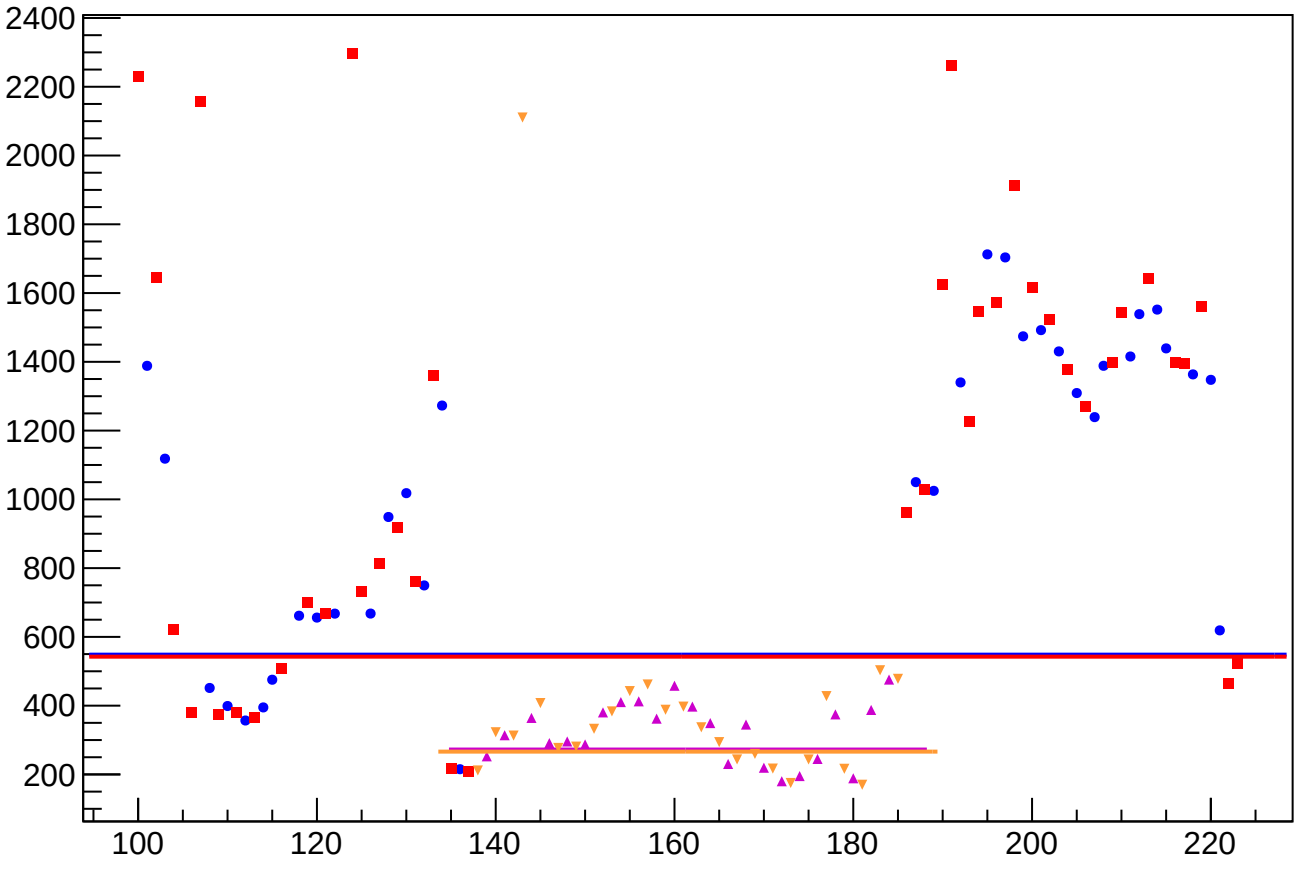
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759558.2/58

All: 1267.598+/-0.100 χ^2/NDF: 3643695.7/12

- sign 1268.824+/-0.143 χ^2/NDF: 2883992.2/61


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -418.049+/-149.702 χ²/NDF: 41.3/33
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -245.114+/-145.524 χ²/NDF: 30.4/38
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -164.829+/-59.669 χ²/NDF: 93.1/58
All: -148.512+/-42.608 χ²/NDF: 138.2/120
- sign -131.536+/-60.861 χ²/NDF: 44.9/61


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
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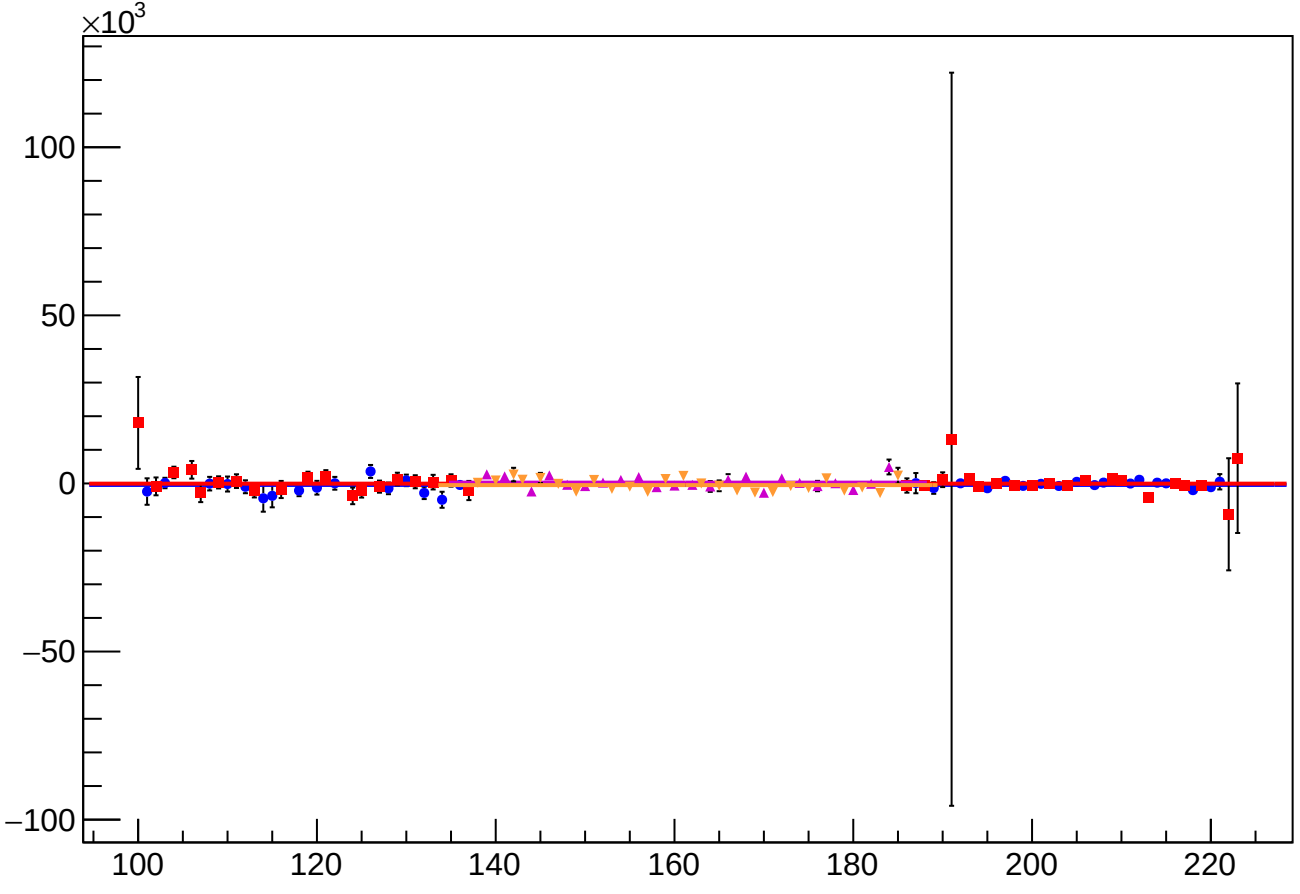
100
120
140
160
180
200
220
Right In: 548.342+/-0.106 χ²/NDF: 16582614.5/33
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 542.499+/-0.103 χ²/NDF: 16598382.2/38
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 311.130+/-0.042 χ²/NDF: 27182948.1/58
All: 315.293+/-0.030 χ²/NDF: 52374460.5/12
- sign 319.625+/-0.043 χ²/NDF: 25171646.3/61

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -439.965+/-277.985 χ^2/NDF: 20.0/33

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.667+/-280.199 χ^2/NDF: 32.6/38

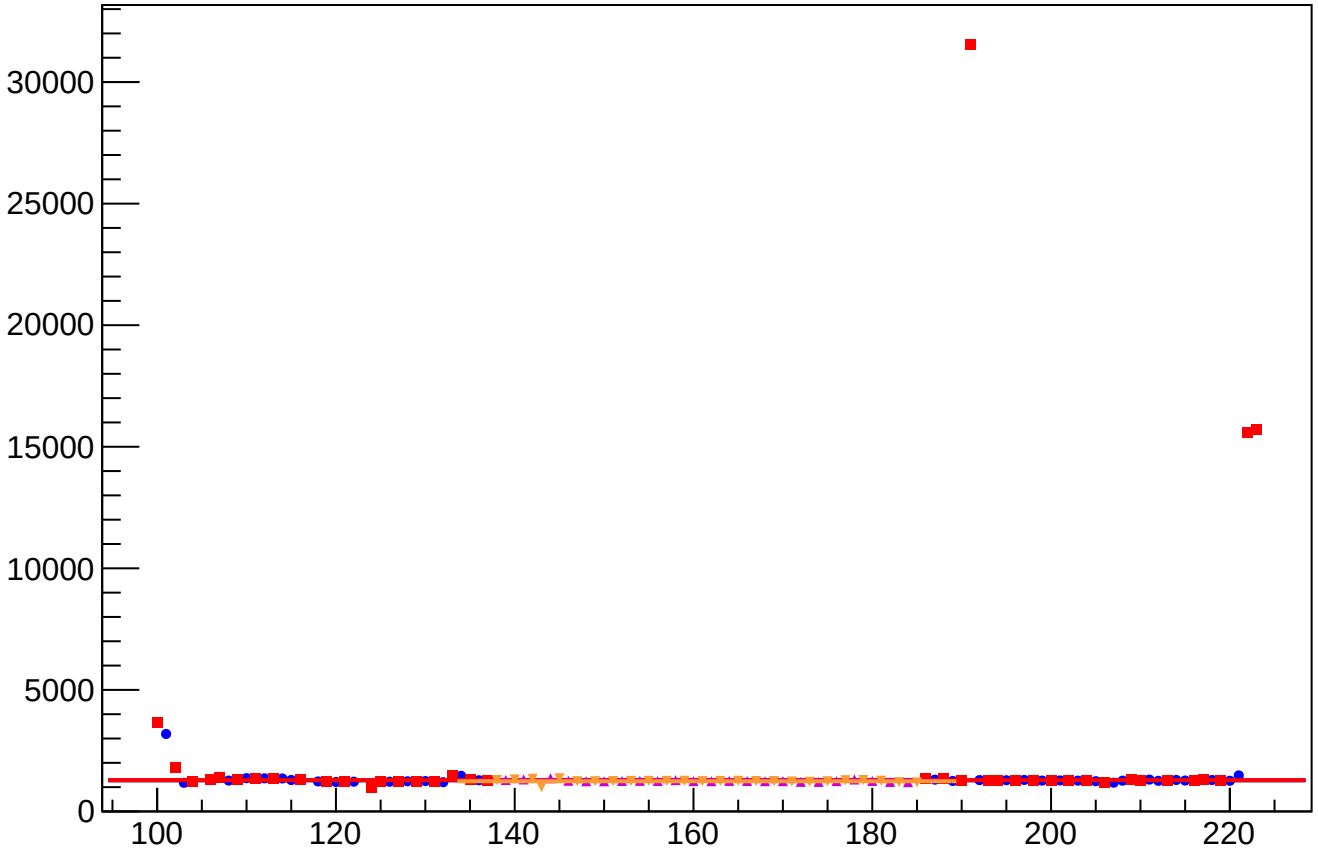
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -466.248+/-198.223 χ^2/NDF: 54.2/58

All: -198.748+/-141.805 χ^2/NDF: 121.8/120

- sign 81.650+/-202.946 χ^2/NDF: 63.8/61

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1279.877+/-0.197 χ^2/NDF: 542987.6/33

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

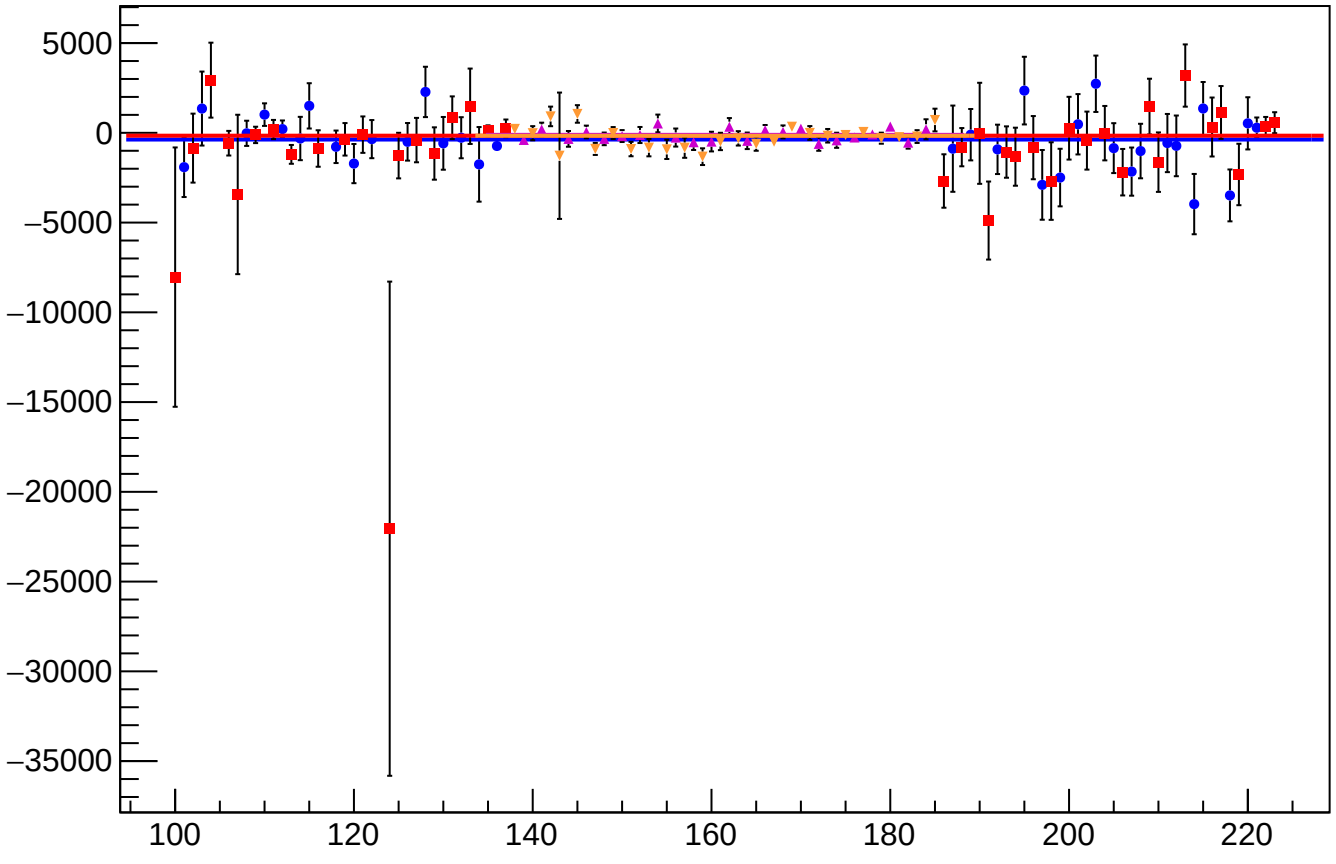
Right Out: 1287.854+/-0.198 χ^2/NDF: 2702198.6/38

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1261.525+/-0.140 χ^2/NDF: 690746.1/58

All: 1267.936+/-0.100 χ^2/NDF: 3434494.9/12

- sign 1274.657+/-0.144 χ^2/NDF: 2739463.2/61



Right In: -373.684+/-149.752 χ^2/NDF: 42.8/33

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

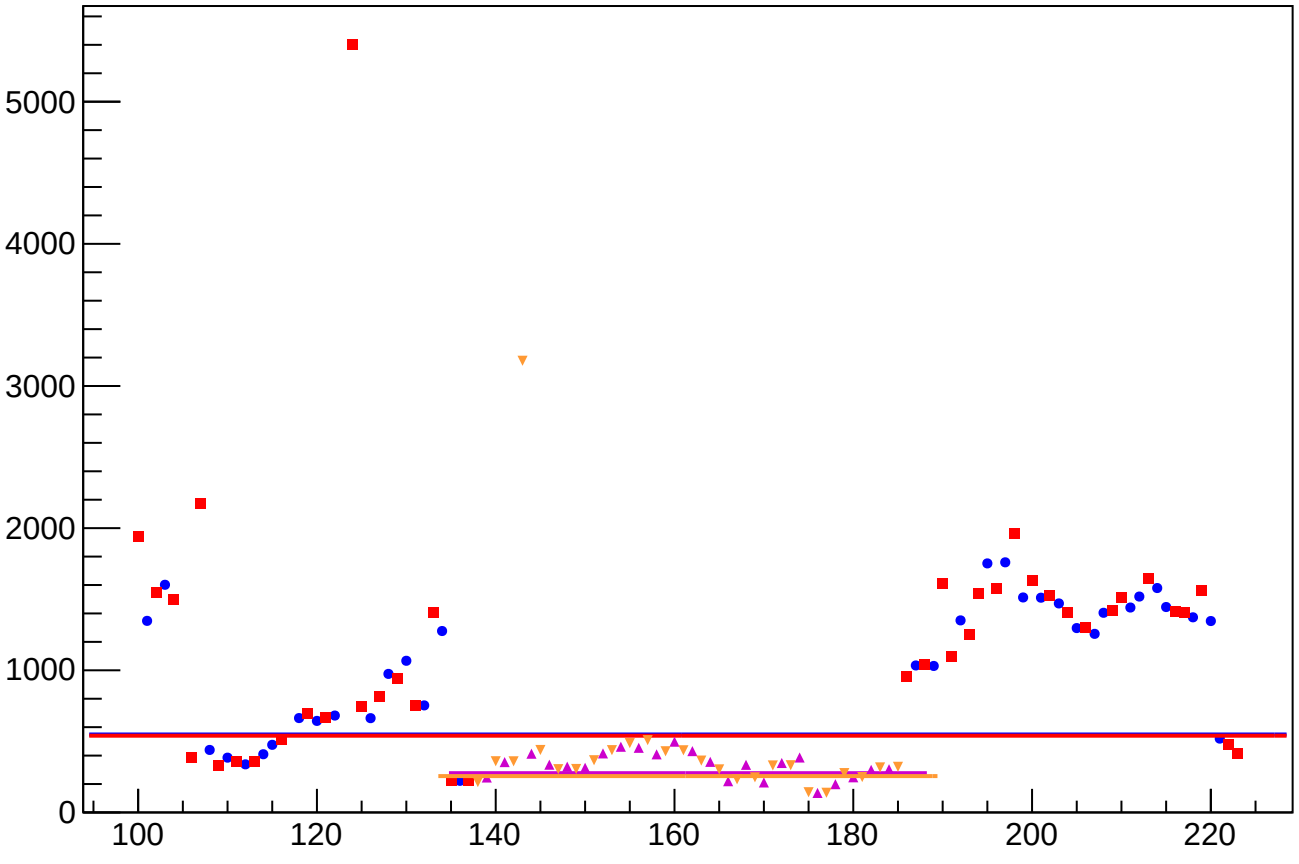
Right Out: -159.613+/-143.537 χ^2/NDF: 39.5/38

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -193.903+/-58.954 χ^2/NDF: 88.3/58

All: -159.946+/-42.746 χ^2/NDF: 146.7/120

\- sign -122.303+/-62.071 χ^2/NDF: 57.7/61



Right In: 548.453+/-0.106 χ^2/NDF: 16689766.5/33

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

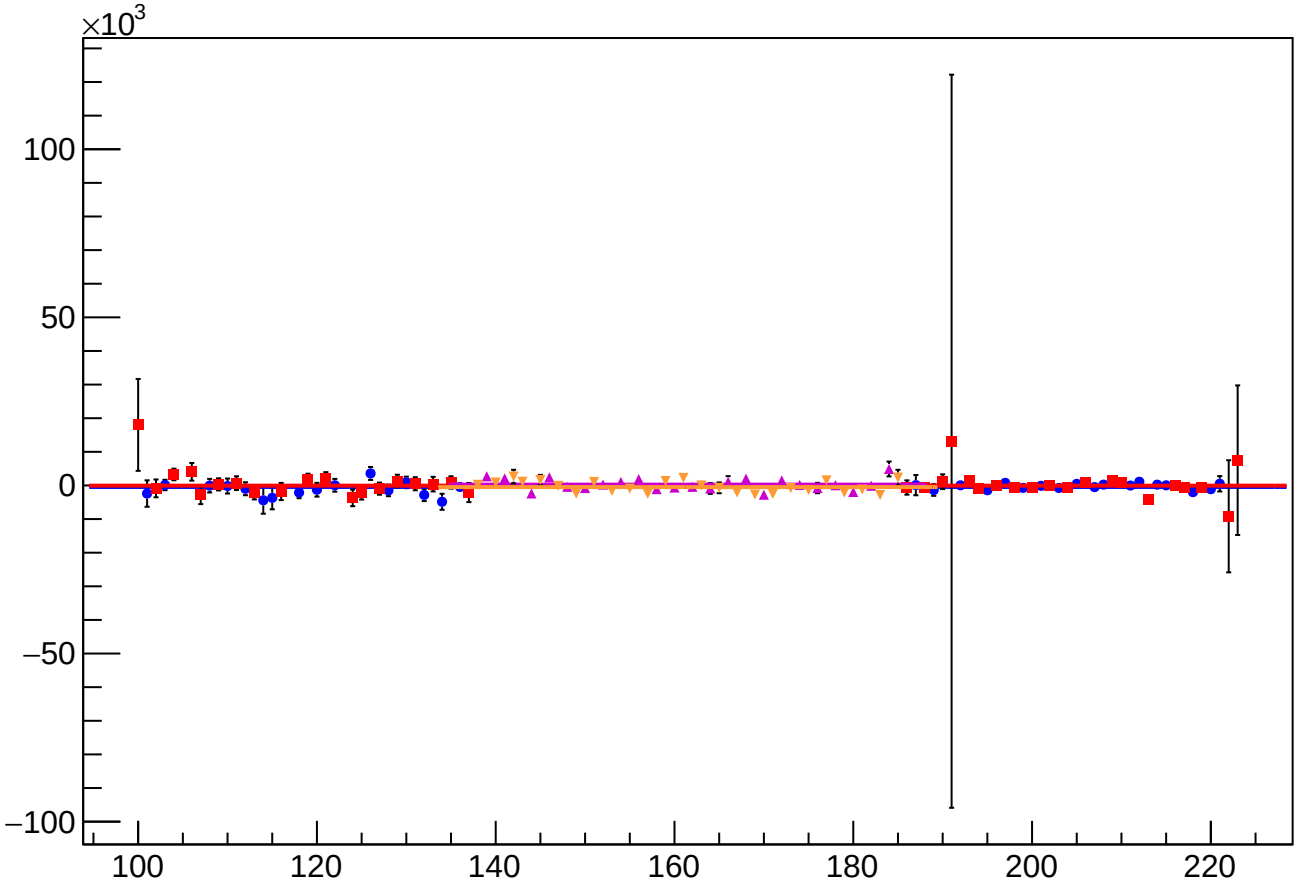
Right Out: 540.017+/-0.101 χ^2/NDF: 17187890.0/38

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 301.129+/-0.042 χ^2/NDF: 29519541.1/58

All: 312.742+/-0.030 χ^2/NDF: 56387232.6/12

- sign 325.615+/-0.044 χ^2/NDF: 26704064.7/61



Right In: -439.963+/-277.985 χ^2/NDF: 20.0/33

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.666+/-280.199 χ^2/NDF: 32.6/38

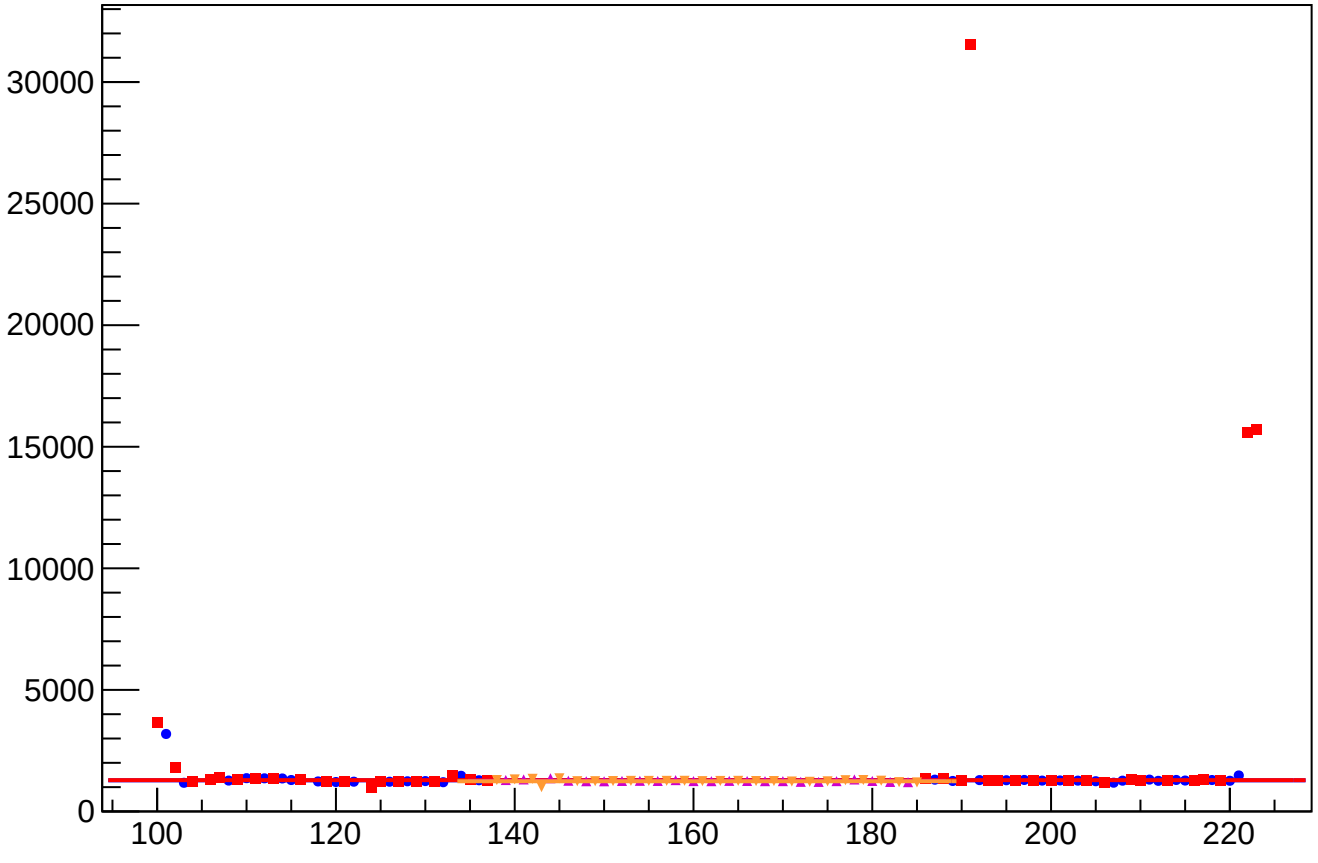
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -466.246+/-198.223 χ^2/NDF: 54.2/58

All: -198.747+/-141.805 χ^2/NDF: 121.8/120

- sign 81.650+/-202.946 χ^2/NDF: 63.8/61

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1279.877+/-0.197 χ^2/NDF: 542987.7/33

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

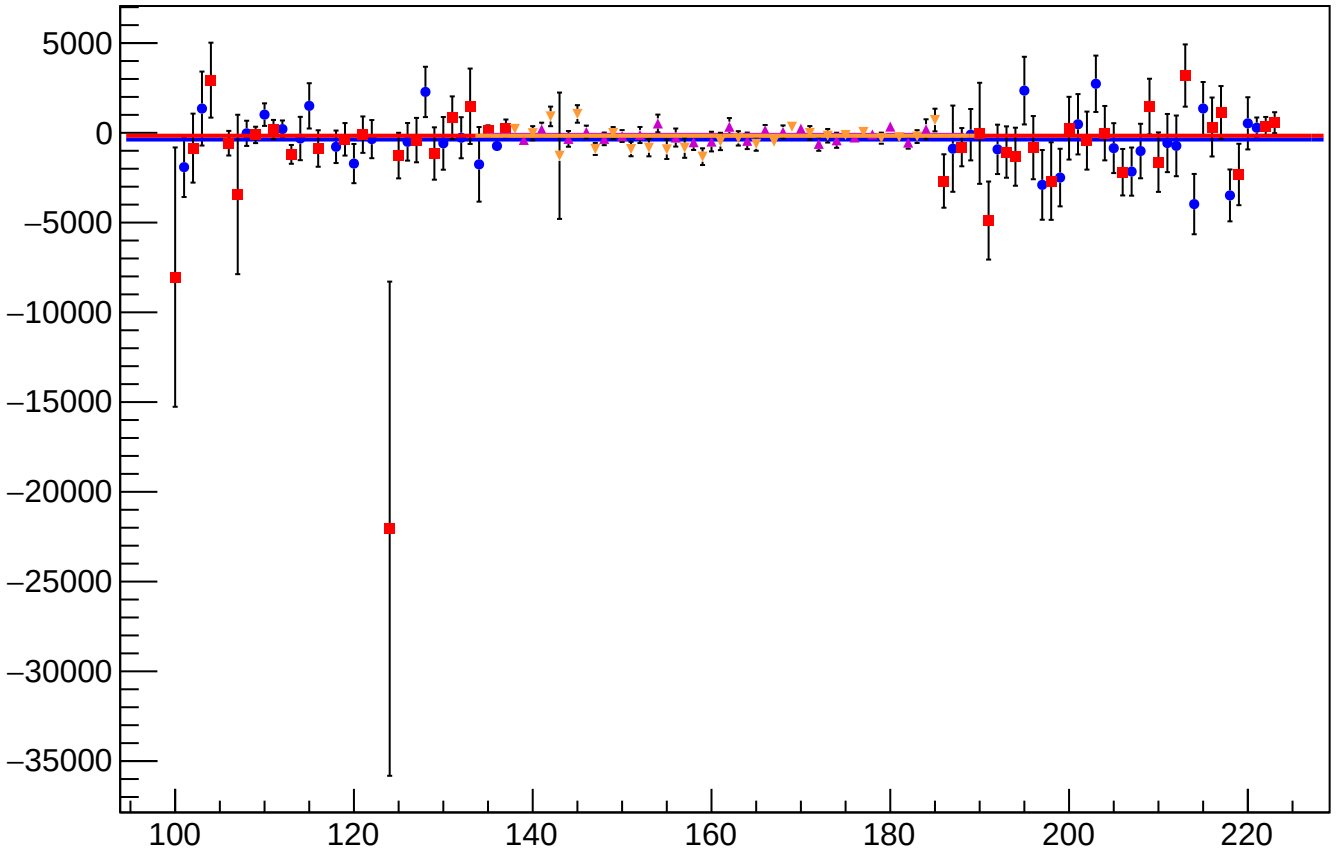
Right Out: 1287.854+/-0.198 χ^2/NDF: 2702198.9/38

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1261.525+/-0.140 χ^2/NDF: 690745.3/58

All: 1267.936+/-0.100 χ^2/NDF: 3434494.4/12

- sign 1274.656+/-0.144 χ^2/NDF: 2739463.6/61



Right In: -373.686+/-149.754 χ^2/NDF: 42.8/33

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

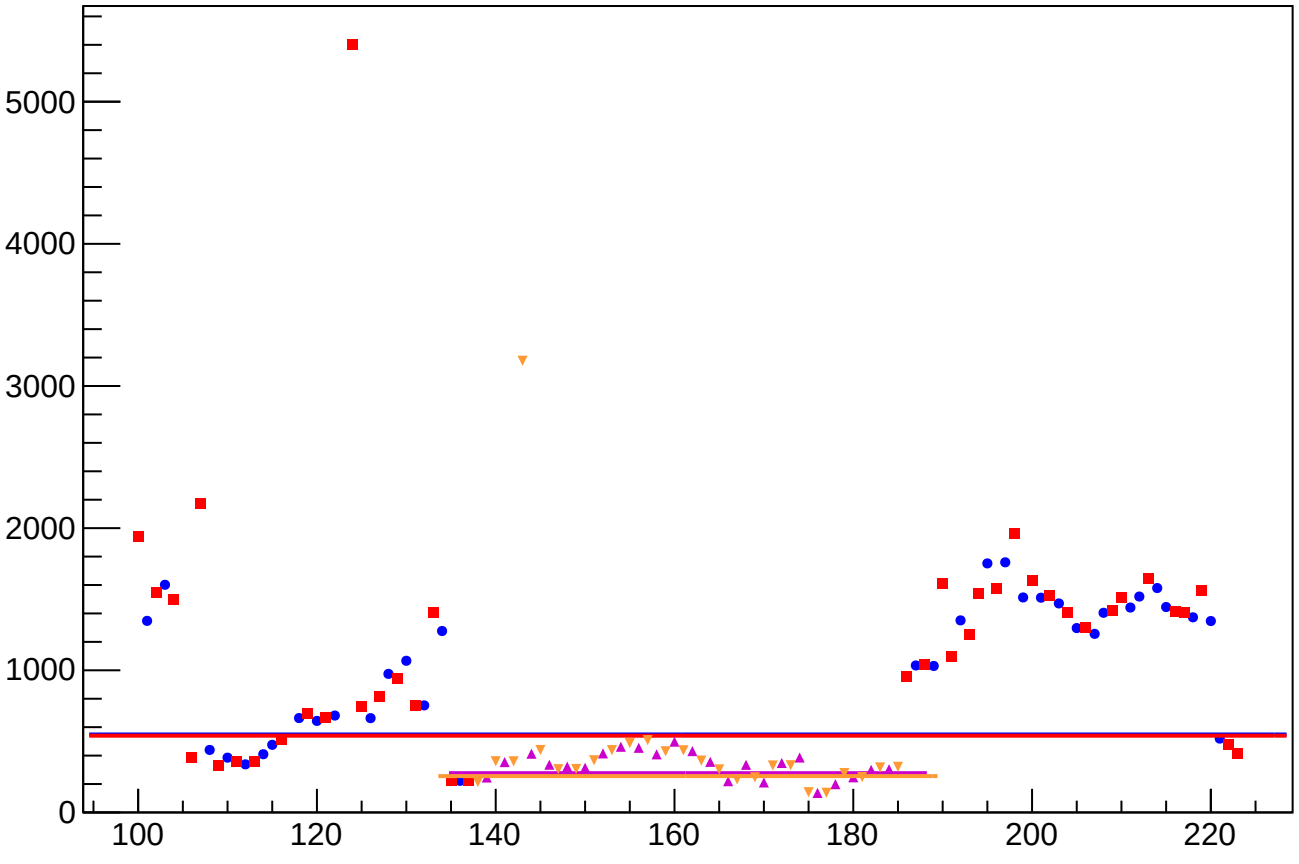
Right Out: -159.617+/-143.538 χ^2/NDF: 39.5/38

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -193.905+/-58.954 χ^2/NDF: 88.3/58

All: -159.947+/-42.746 χ^2/NDF: 146.7/120

\- sign -122.303+/-62.071 χ^2/NDF: 57.7/61



Right In: 548.466+/-0.106 χ^2/NDF: 16689273.4/33

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 540.026+/-0.101 χ^2/NDF: 17187548.5/38

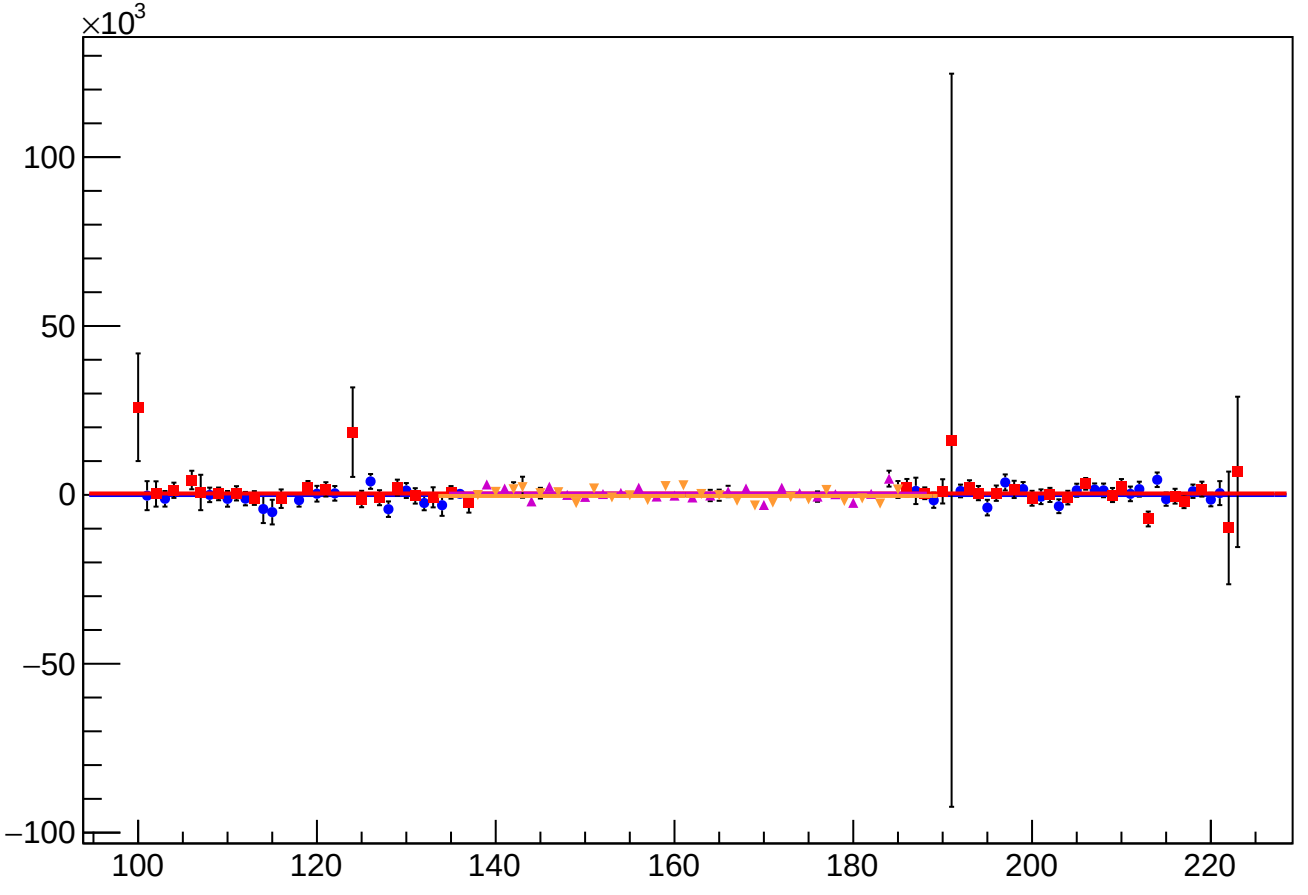
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 301.131+/-0.042 χ^2/NDF: 29519286.9/58

All: 312.744+/-0.030 χ^2/NDF: 56386836.6/12

- sign 325.616+/-0.044 χ^2/NDF: 26703937.1/61

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -47.933+/-377.612 χ^2/NDF: 31.0/33

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 413.076+/-383.303 χ^2/NDF: 31.5/38

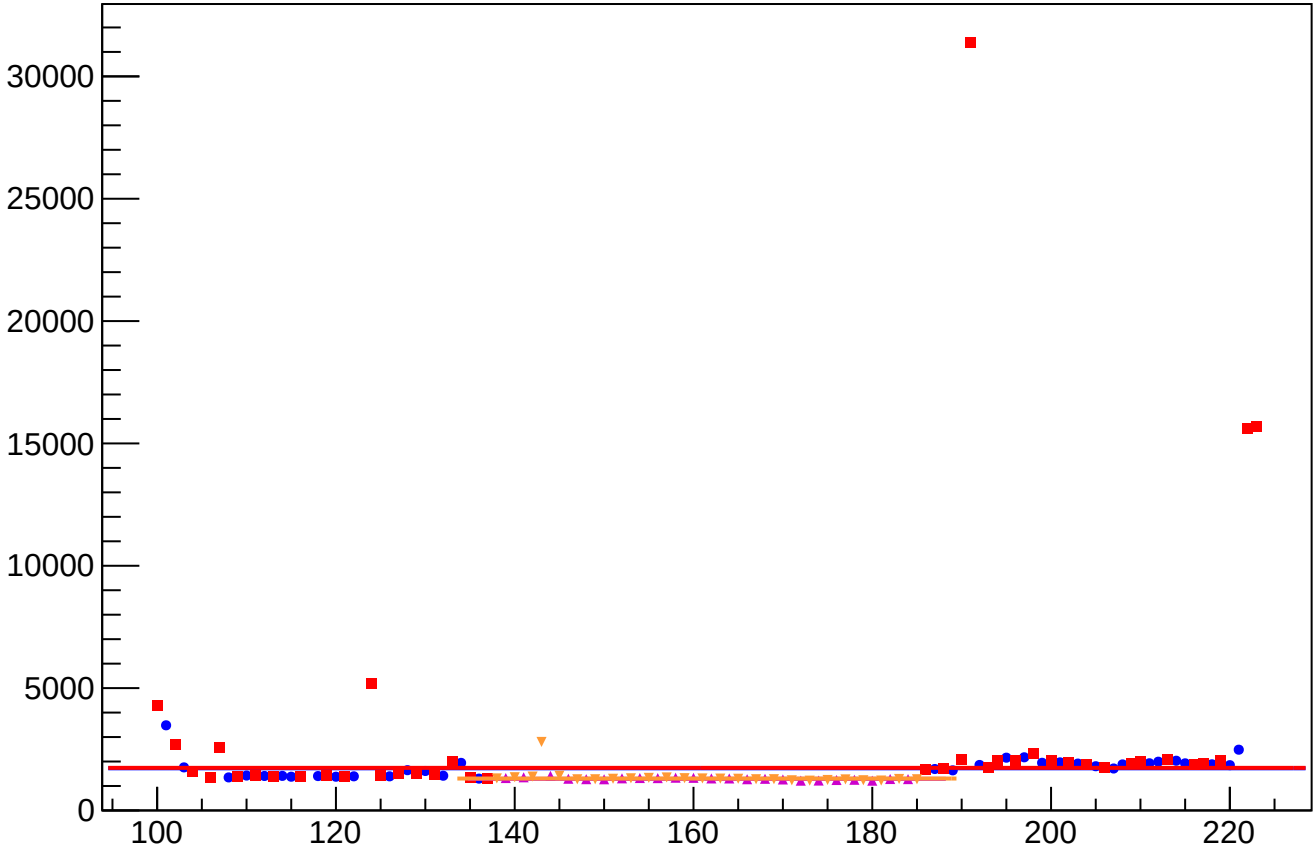
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -215.312+/-234.061 χ^2/NDF: 62.9/58

All: 77.473+/-166.594 χ^2/NDF: 127.3/120

\- sign 378.090+/-237.170 χ^2/NDF: 61.2/61

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1722.149+/-0.267 χ^2/NDF: 1399616.5/33

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

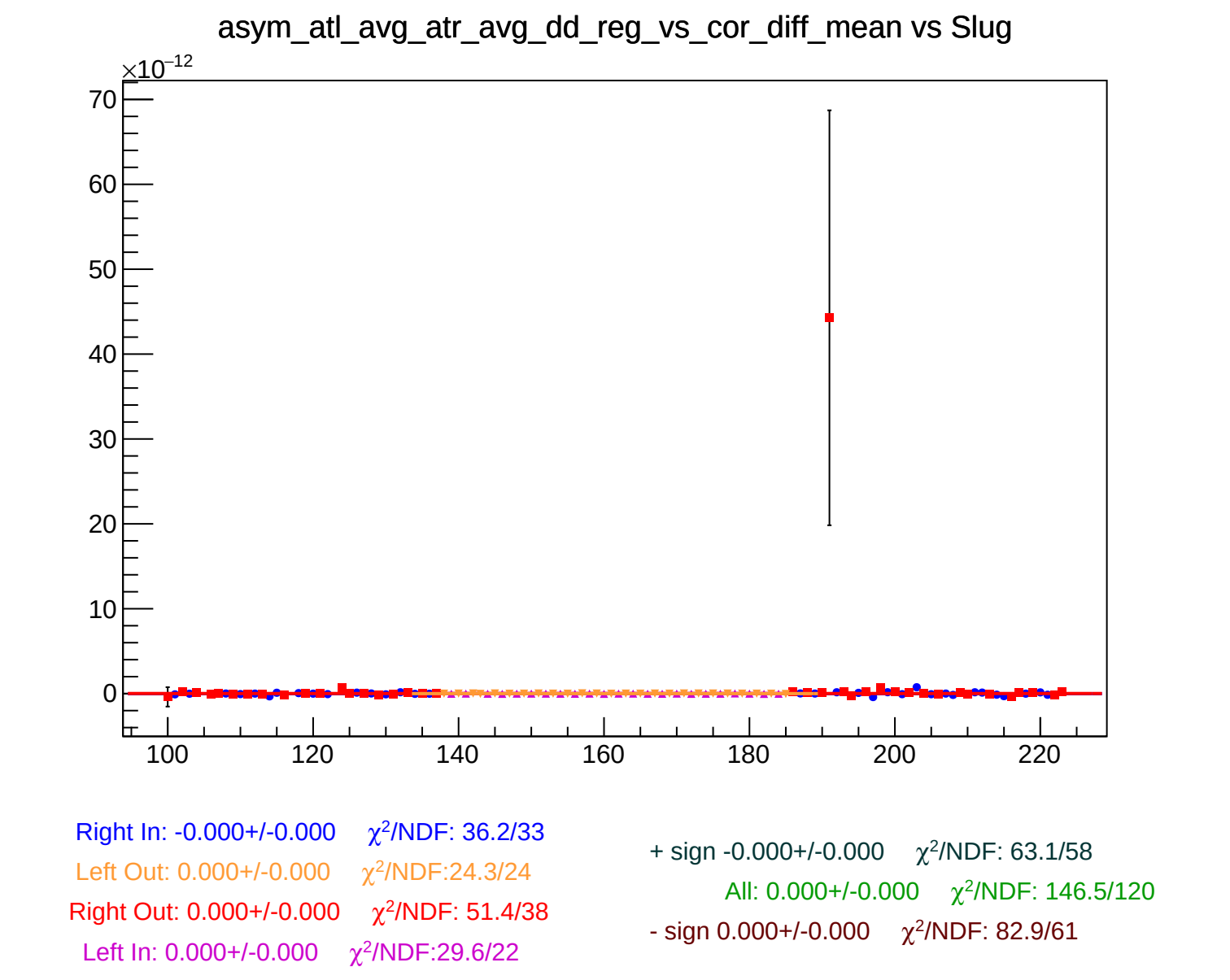
Right Out: 1741.024+/-0.271 χ^2/NDF: 3744622.1/38

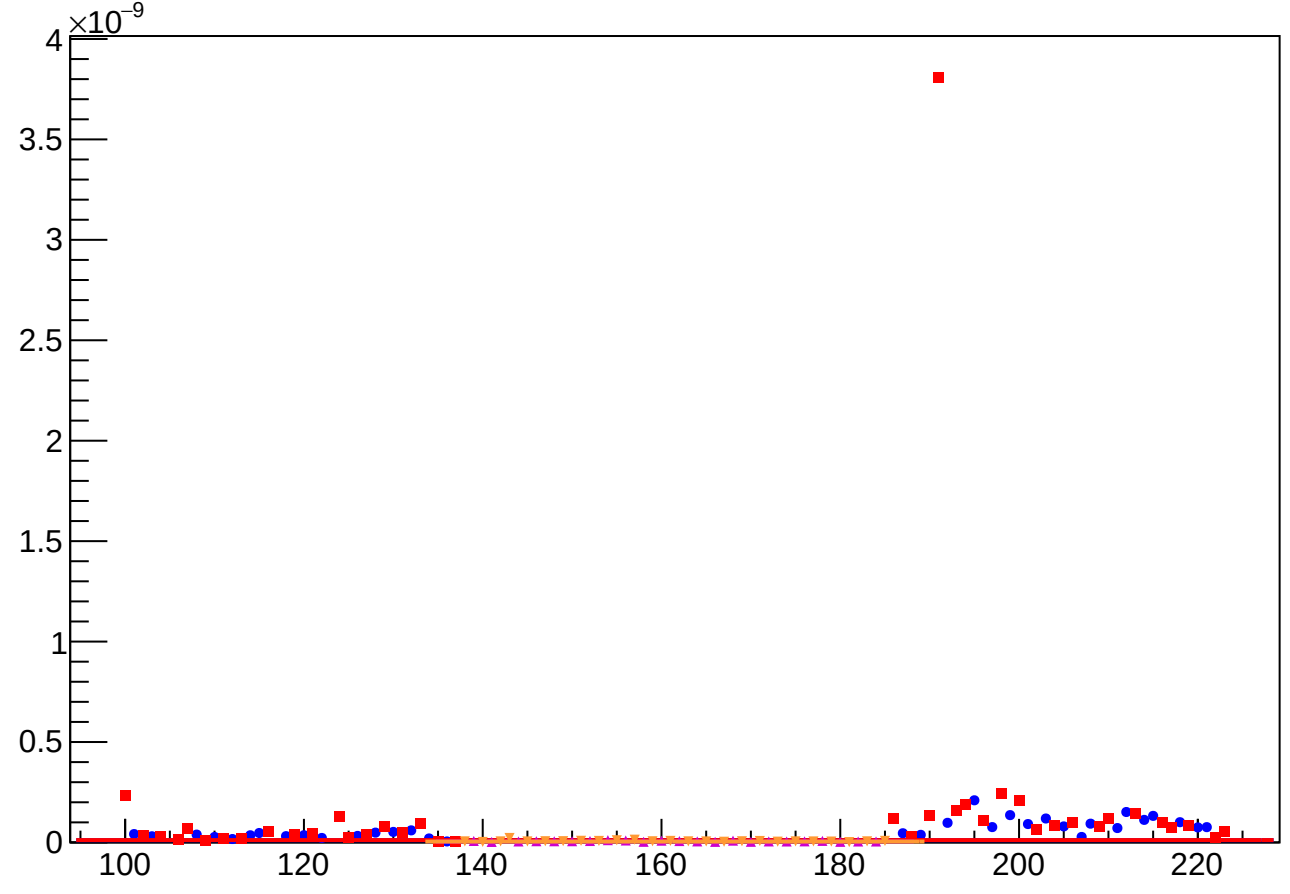
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1464.751+/-0.166 χ^2/NDF: 3428298.1/58

All: 1464.375+/-0.118 χ^2/NDF: 8914186.7/12

- sign 1463.988+/-0.168 χ^2/NDF: 5485878.1/61


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 36.2/33
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 51.4/38
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 63.1/58
All: 0.000+/-0.000 χ²/NDF: 146.5/120
- sign 0.000+/-0.000 χ²/NDF: 82.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 11598008.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

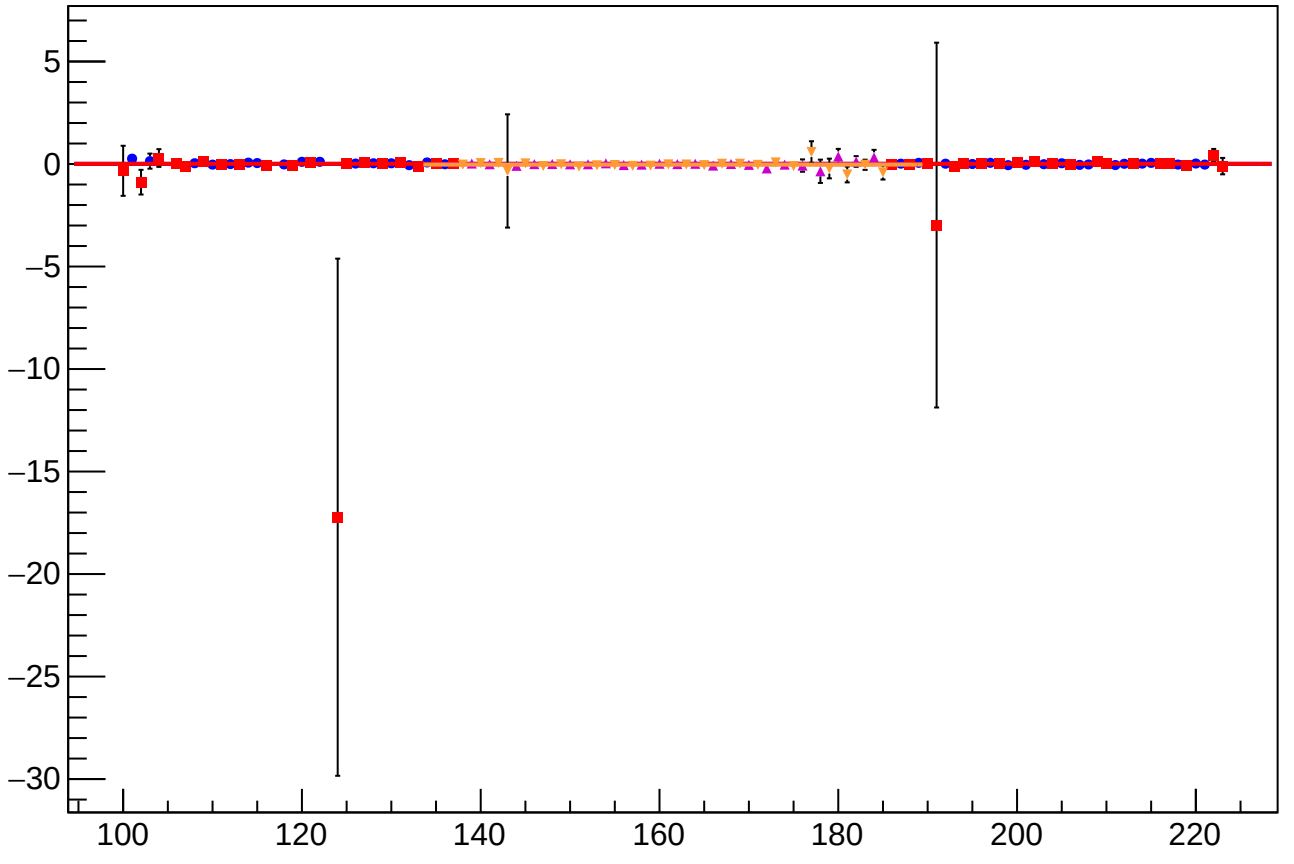
Right Out: 0.000+/-0.000 χ^2/NDF: 12790698.9/38

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15866738.6/58

All: 0.000+/-0.000 χ^2/NDF: 32076571.3/120

- sign 0.000+/-0.000 χ^2/NDF: 16184003.9/61



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.010 χ^2/NDF: 32.9/38

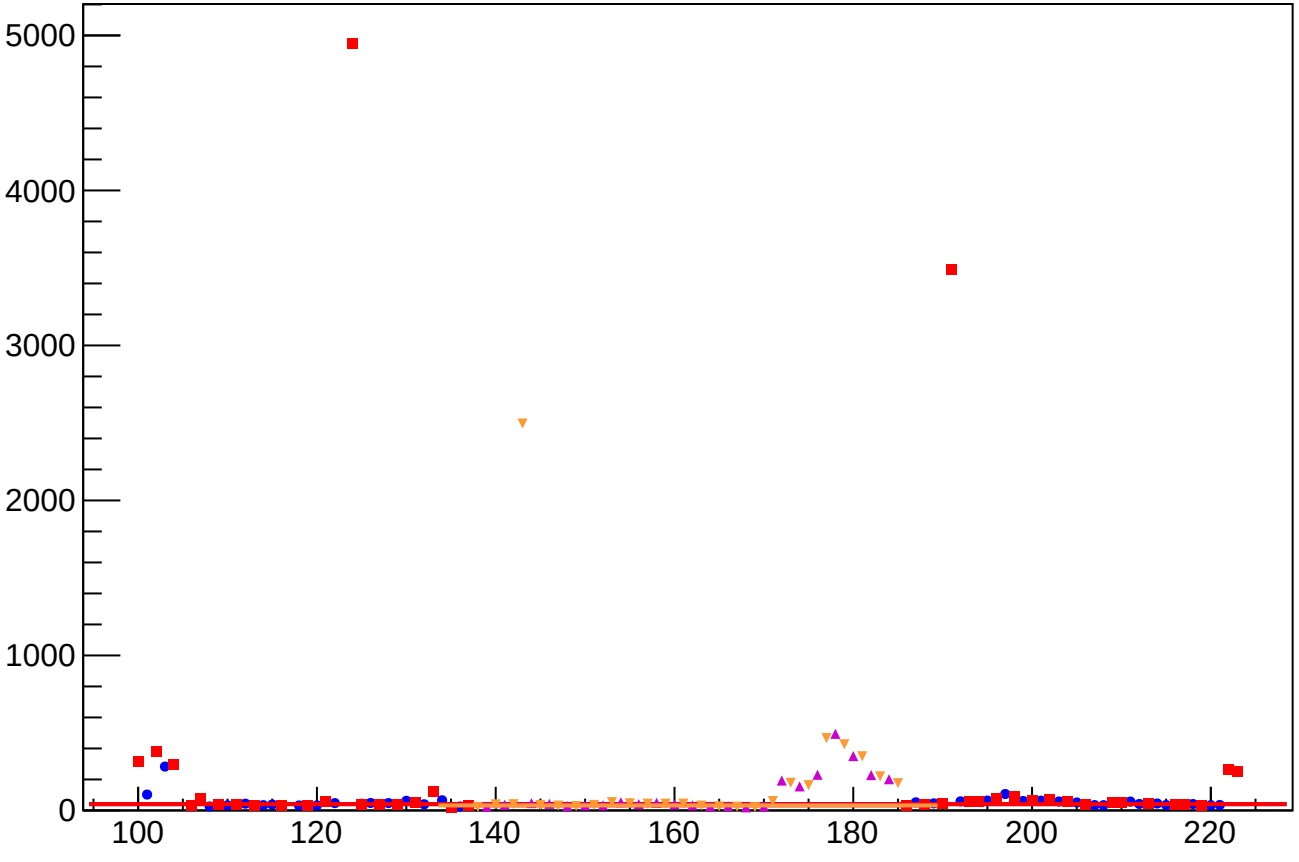
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 103.9/120

\- sign -0.001+/-0.007 χ^2/NDF: 48.5/61

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.589+/-0.007 χ^2/NDF: 4394799.5/33

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

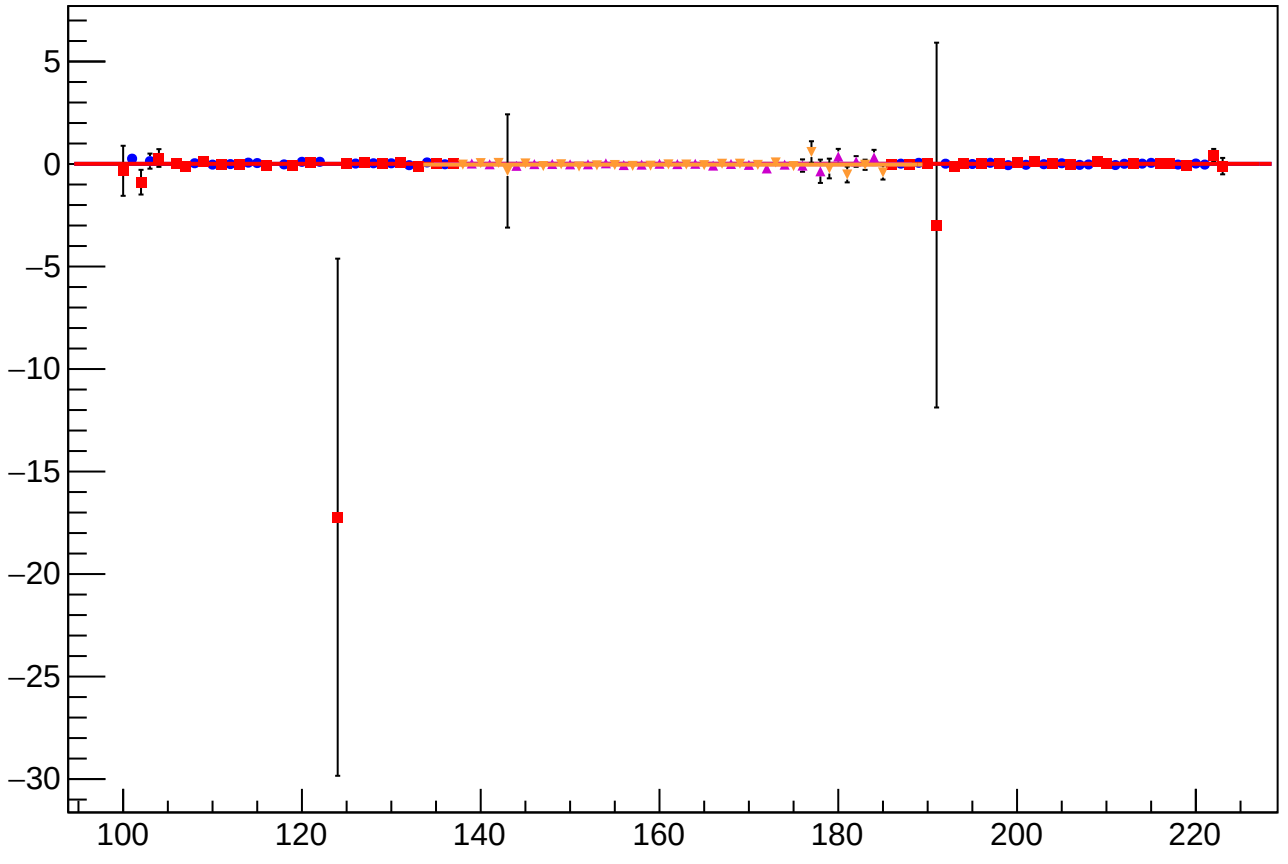
Right Out: 40.787+/-0.007 χ^2/NDF: 7284373.9/38

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954374.0/58

All: 36.483+/-0.003 χ^2/NDF: 32880679.2/120

- sign 36.541+/-0.005 χ^2/NDF: 16926021.2/61



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

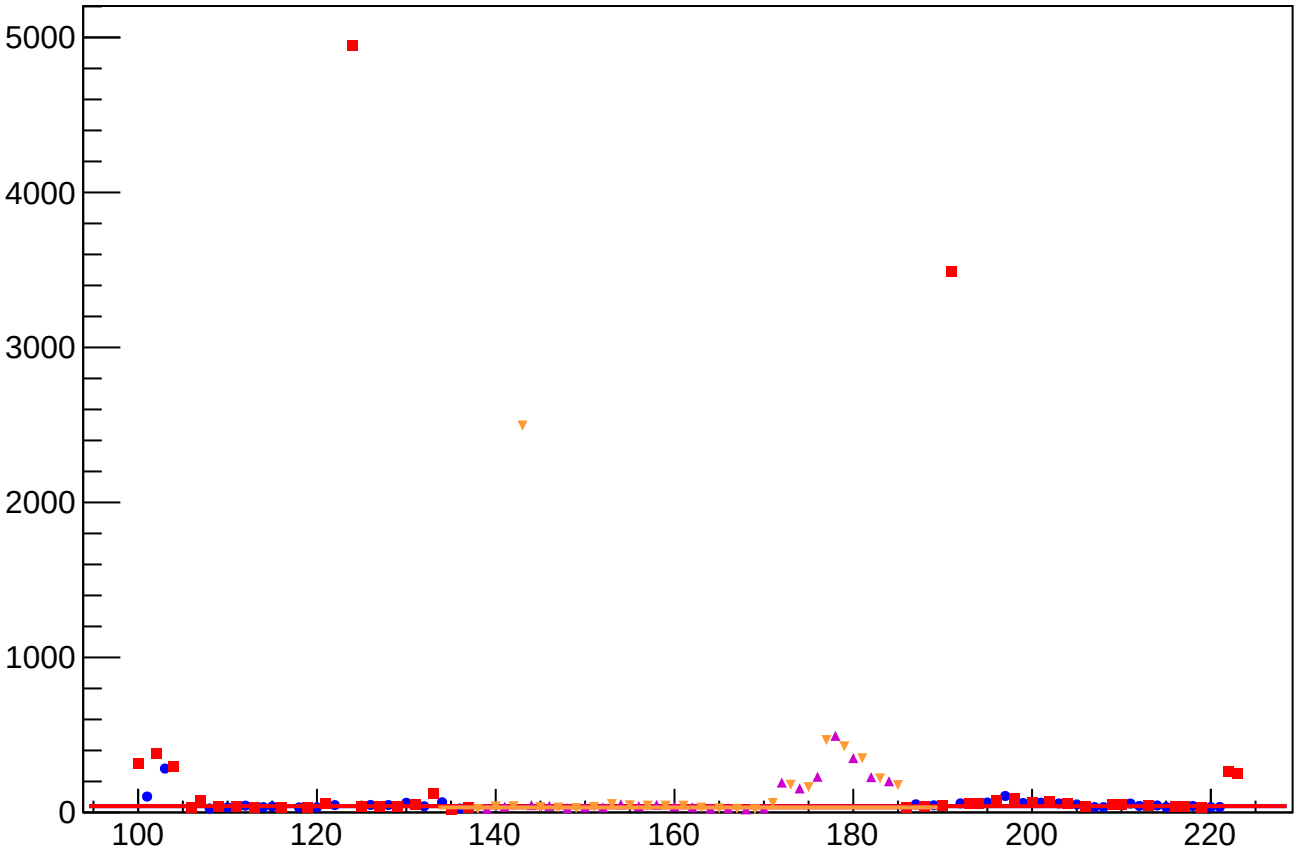
Right Out: 0.010+/-0.010 χ^2/NDF: 32.9/38

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 103.9/120

\- sign -0.001+/-0.007 χ^2/NDF: 48.5/61



Right In: 40.589+/-0.007 χ^2/NDF: 4394799.5/33

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

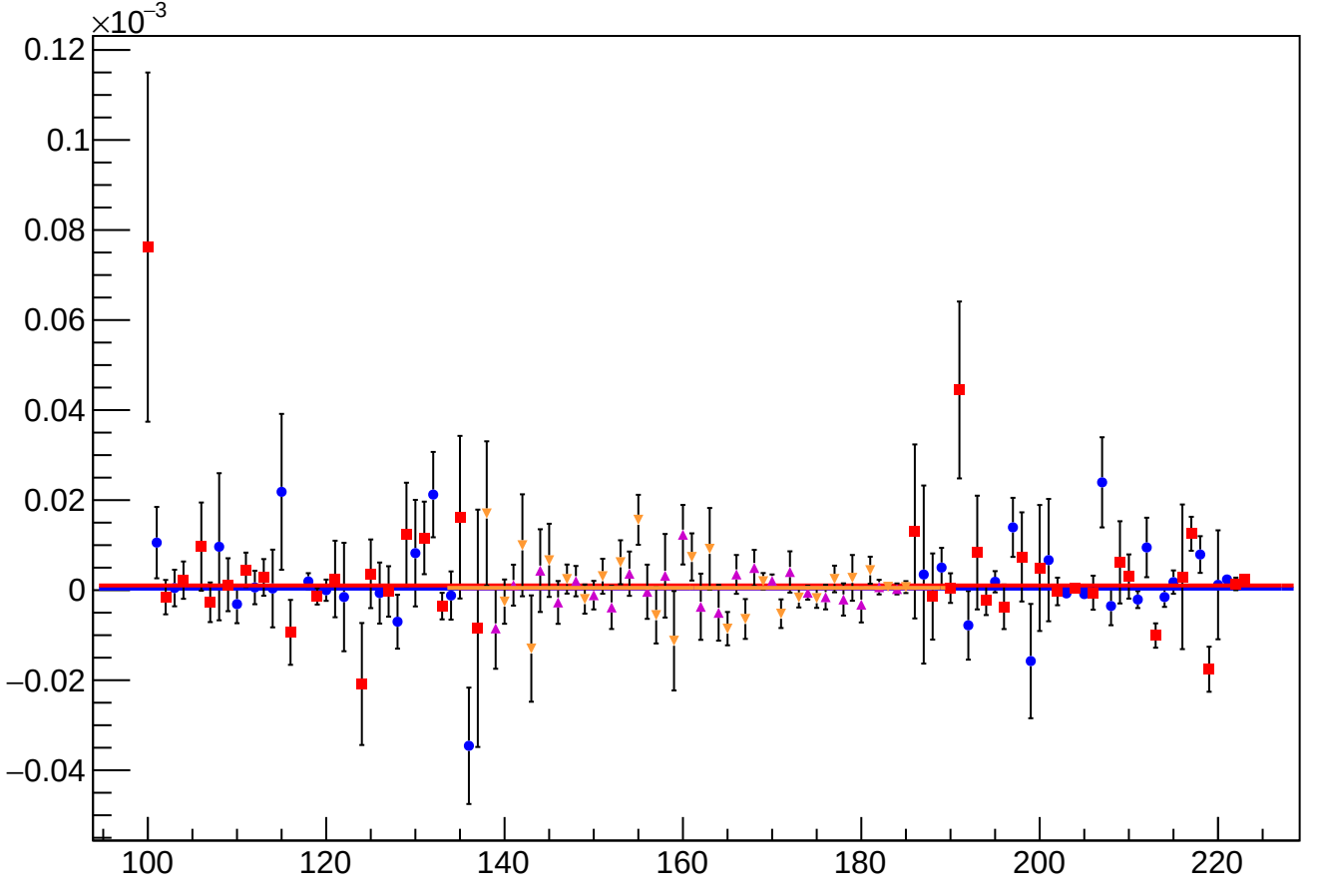
Right Out: 40.787+/-0.007 χ^2/NDF: 7284373.9/38

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954374.0/58

All: 36.483+/-0.003 χ^2/NDF: 32880679.2/120

- sign 36.541+/-0.005 χ^2/NDF: 16926021.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 50.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

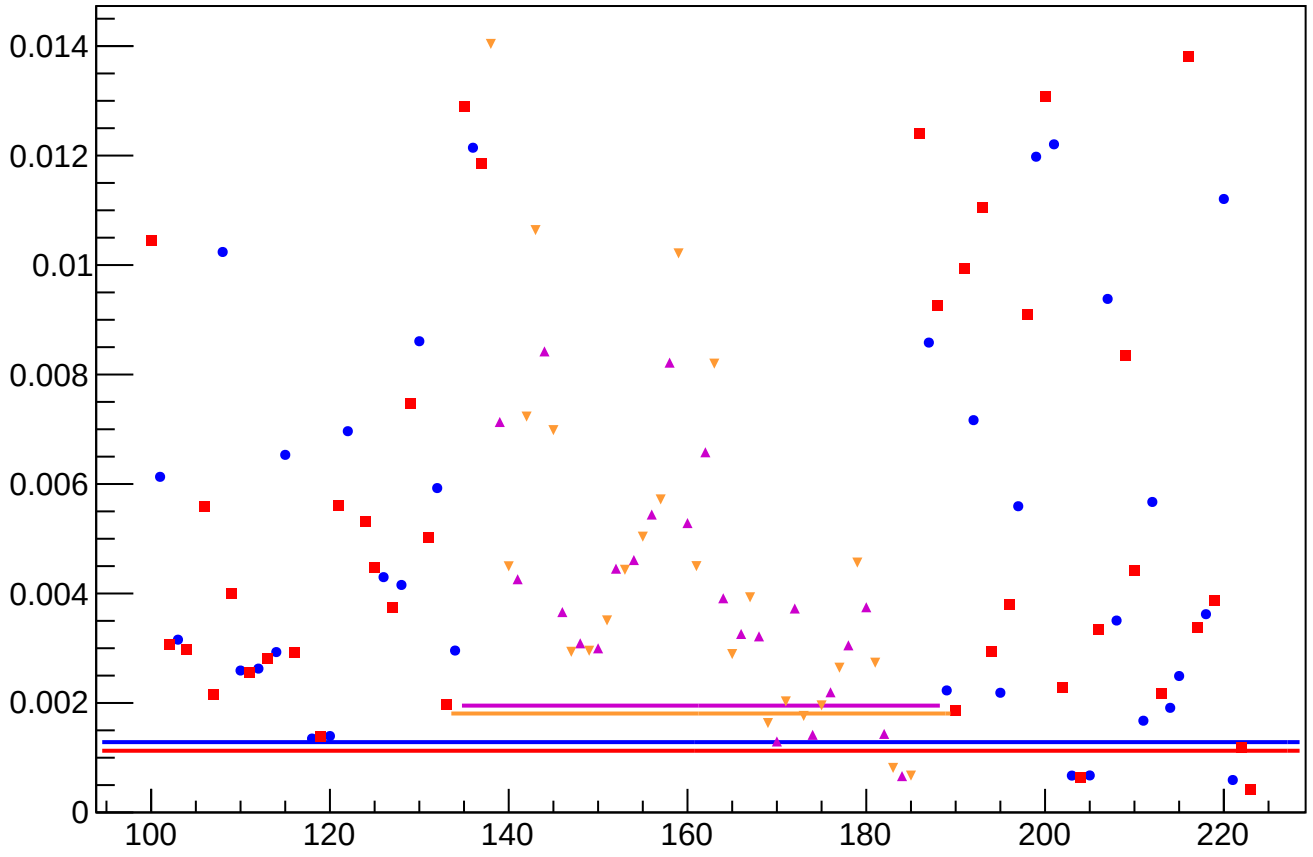
Right Out: 0.000+/-0.000 χ^2/NDF: 74.2/38

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.3/58

All: 0.000+/-0.000 χ^2/NDF: 175.9/120

- sign 0.000+/-0.000 χ^2/NDF: 88.6/61



Right In: 0.001+/-0.000 χ^2/NDF: 20495427.4/33

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

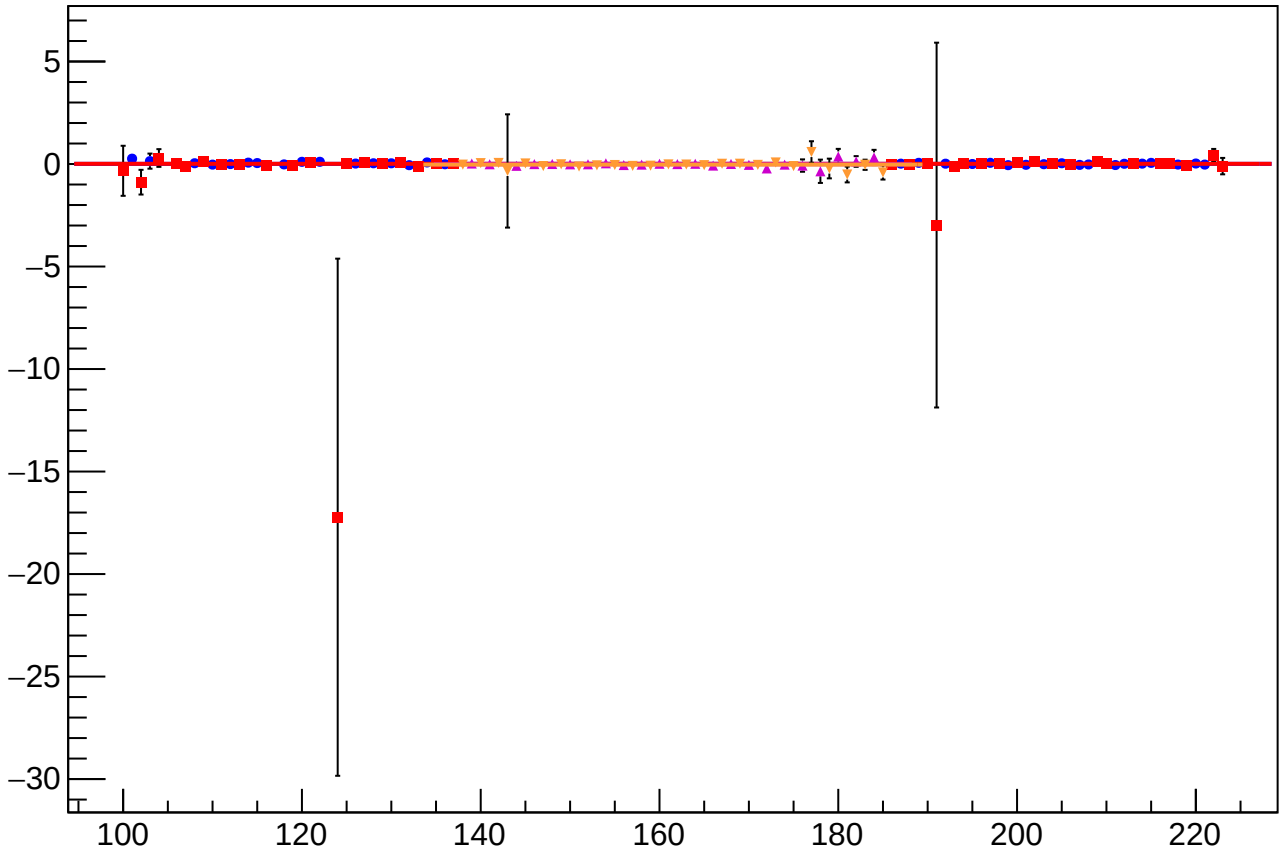
Right Out: 0.001+/-0.000 χ^2/NDF: 24296635.4/38

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 36583490.2/58

All: 0.001+/-0.000 χ^2/NDF: 75223275.3/120

- sign 0.001+/-0.000 χ^2/NDF: 38533404.3/61



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

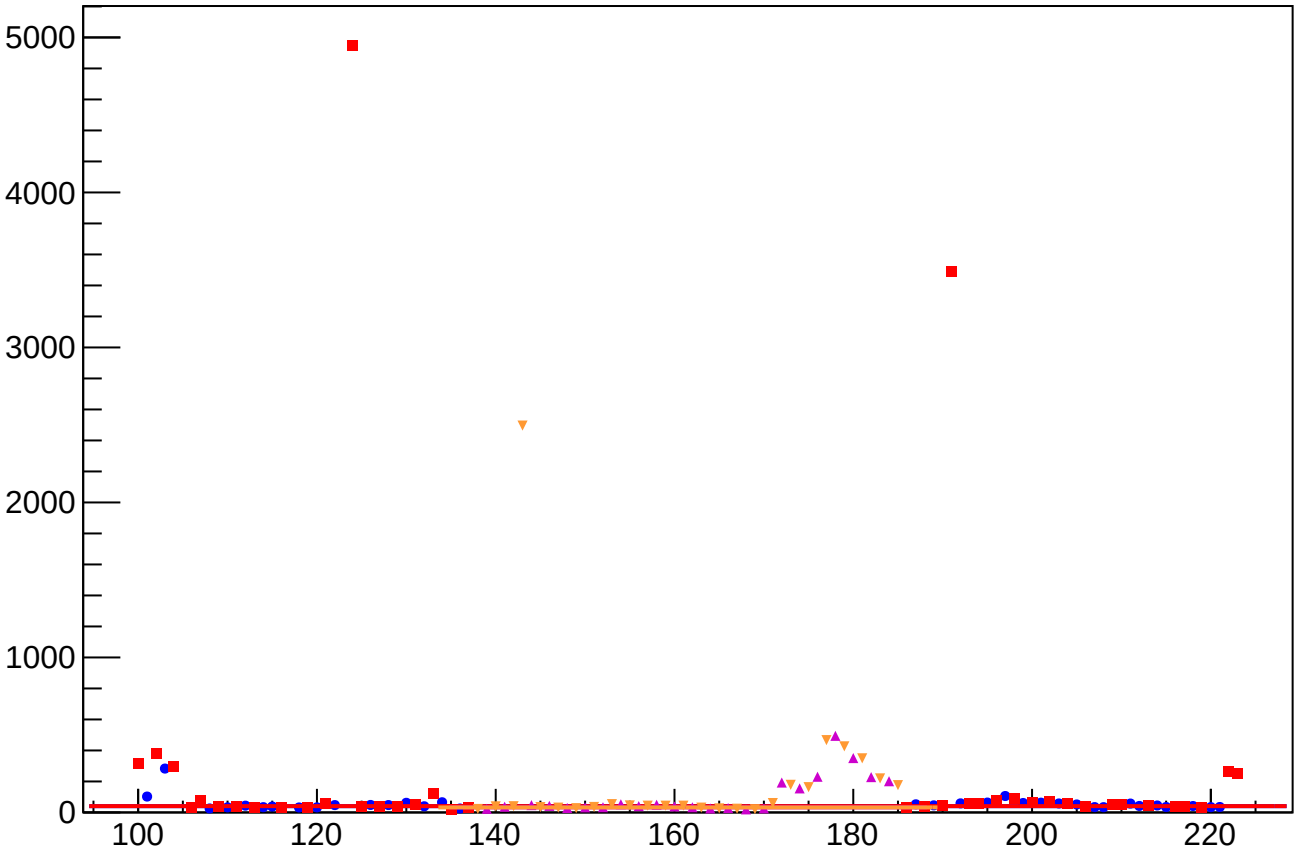
Right Out: 0.010+/-0.010 χ^2/NDF: 32.9/38

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 103.9/120

- sign -0.001+/-0.007 χ^2/NDF: 48.5/61



Right In: 40.589+/-0.007 χ^2/NDF: 4394406.4/33

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

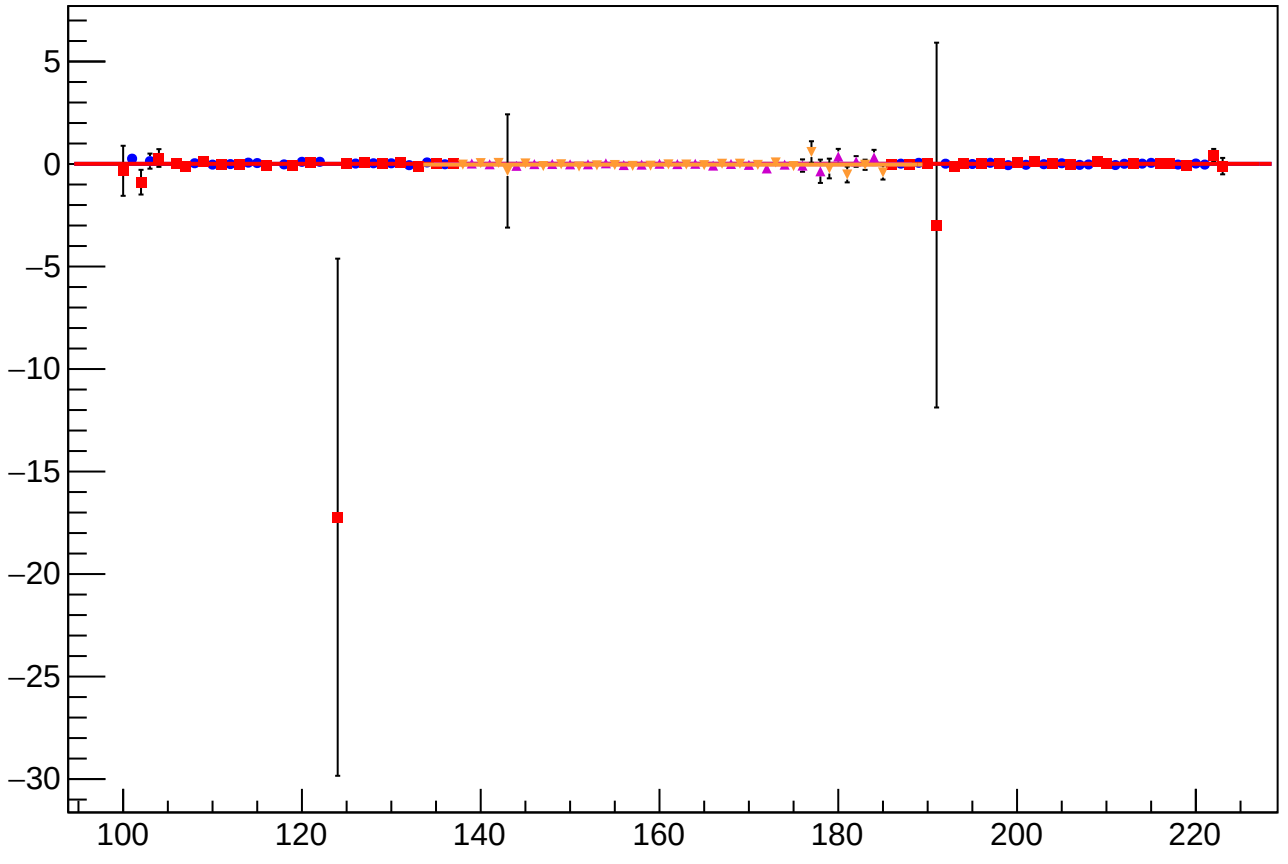
Right Out: 40.787+/-0.007 χ^2/NDF: 7284138.6/38

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954323.9/58

All: 36.483+/-0.003 χ^2/NDF: 32881269.2/120

- sign 36.541+/-0.005 χ^2/NDF: 16926665.2/61



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.010 χ^2/NDF: 32.9/38

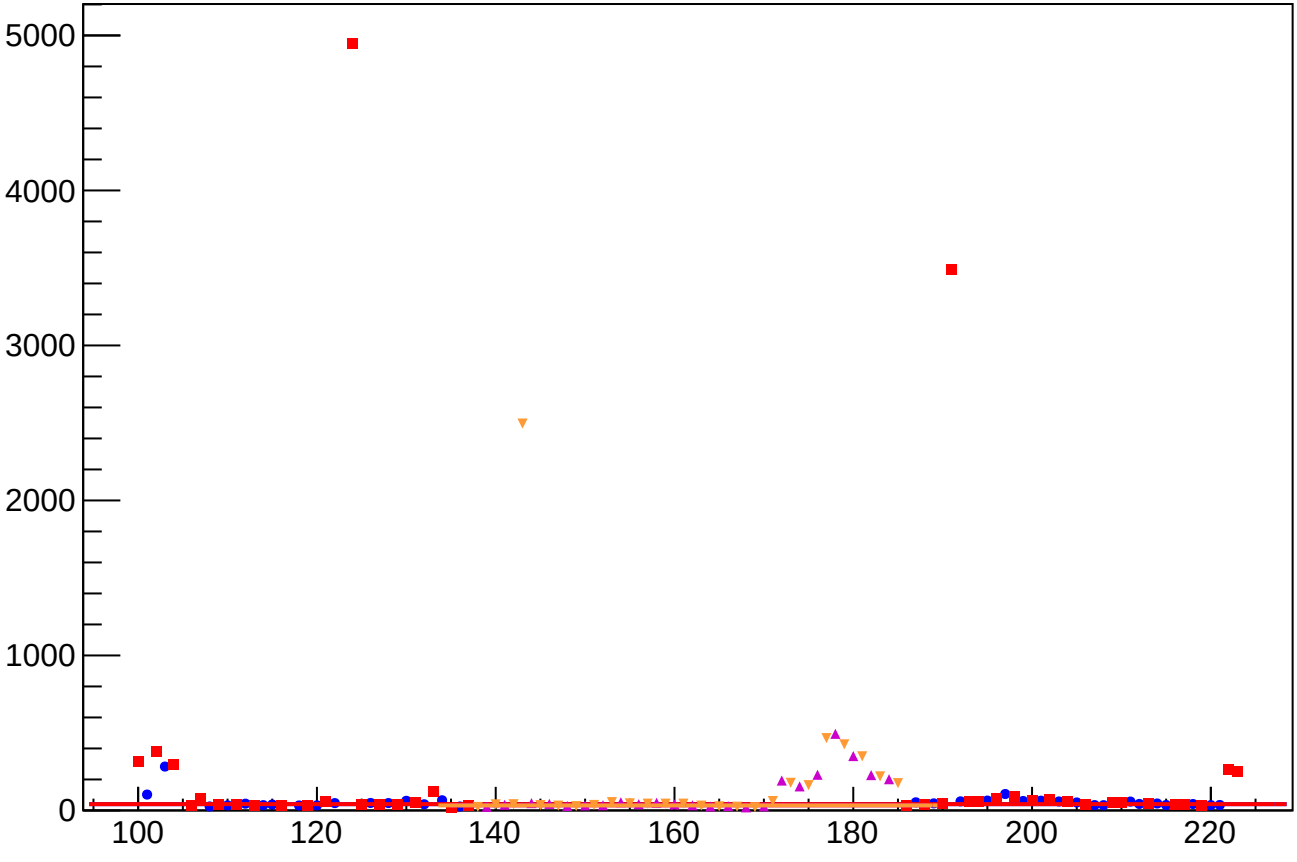
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 103.9/120

\- sign -0.001+/-0.007 χ^2/NDF: 48.5/61

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.589+/-0.007 χ^2/NDF: 4394406.4/33

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

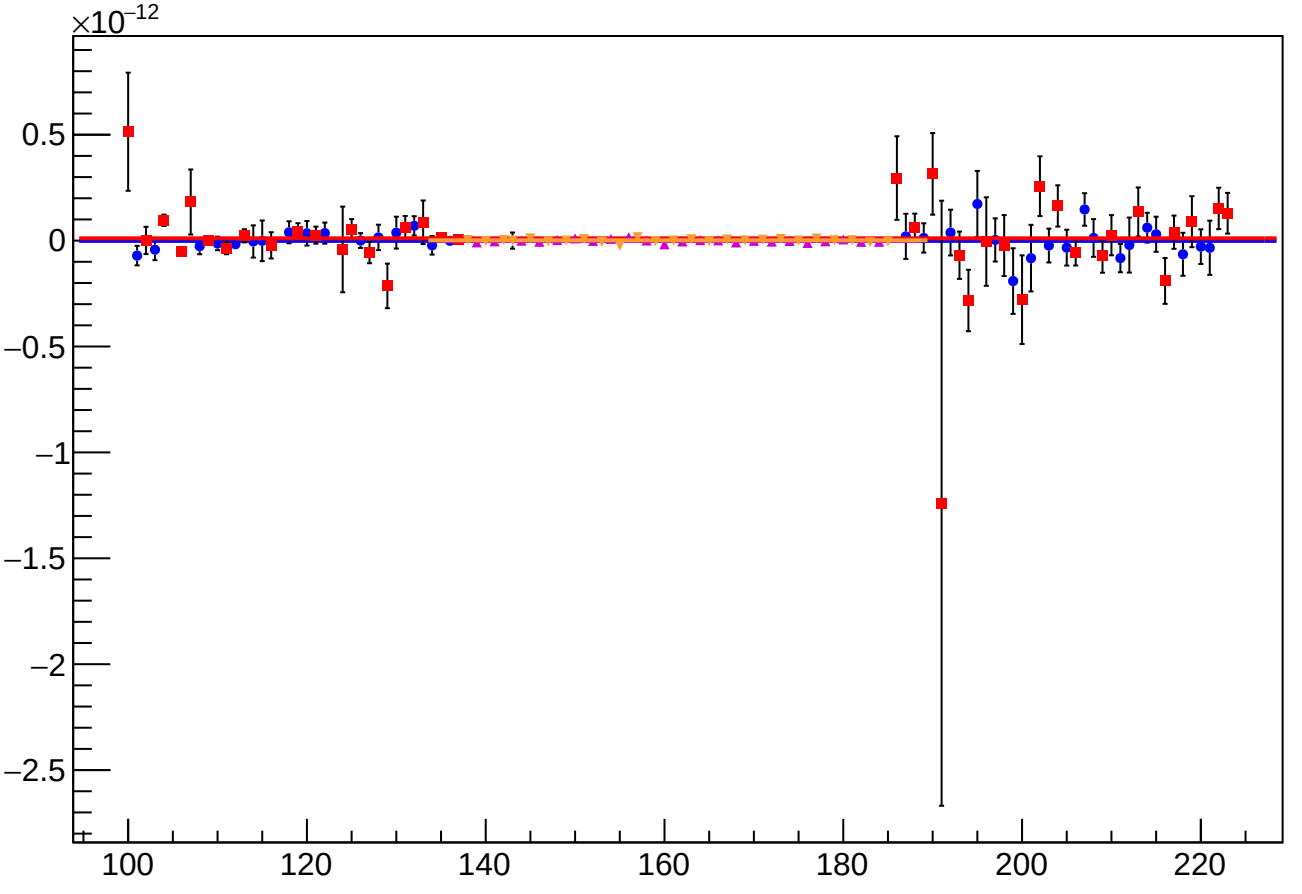
Right Out: 40.787+/-0.007 χ^2/NDF: 7284138.6/38

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954323.9/58

All: 36.483+/-0.003 χ^2/NDF: 32881269.2/120

- sign 36.541+/-0.005 χ^2/NDF: 16926665.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

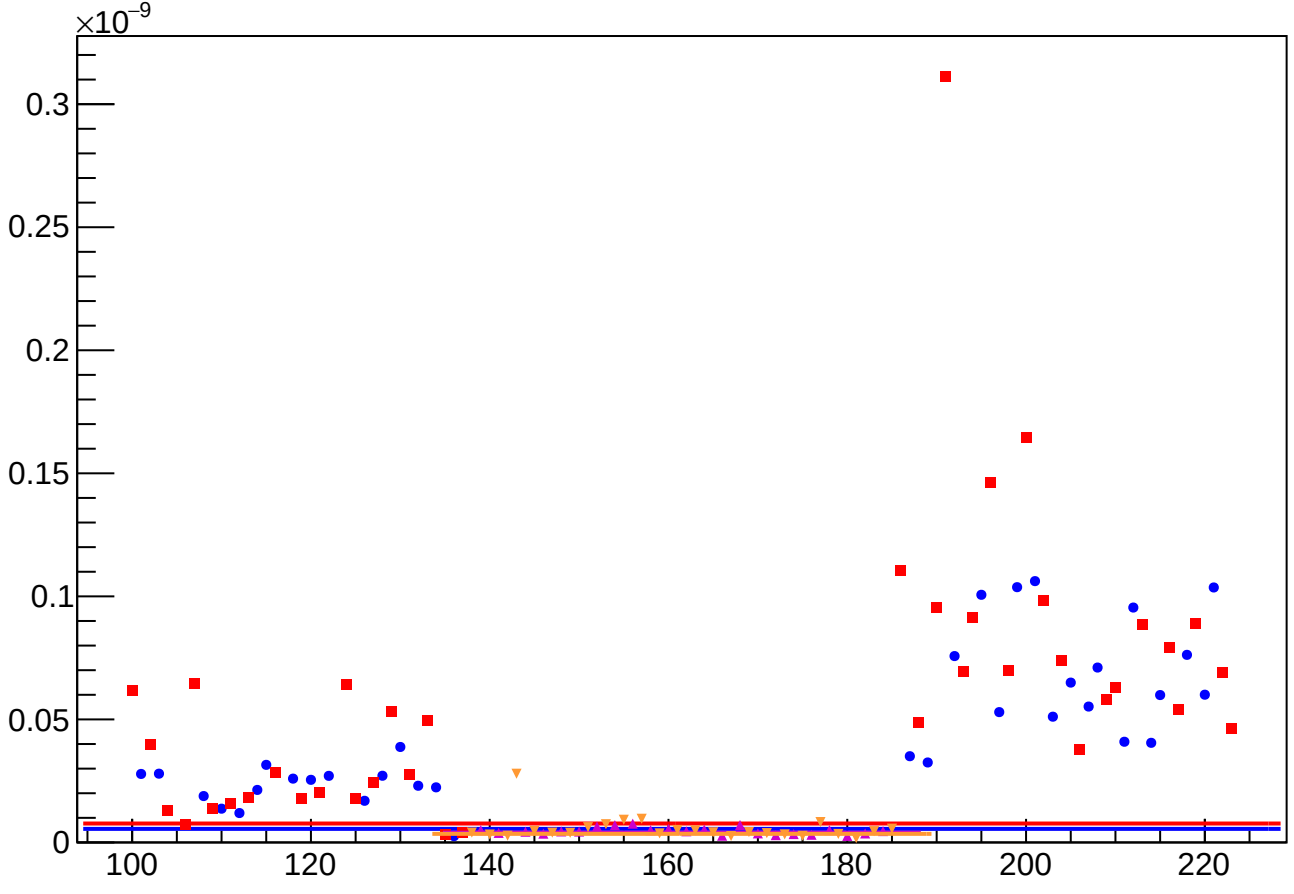
Right Out: 0.000+/-0.000 χ^2/NDF: 69.1/38

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/58

All: 0.000+/-0.000 χ^2/NDF: 144.3/120

- sign -0.000+/-0.000 χ^2/NDF: 105.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 18940700.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19035154.0/38

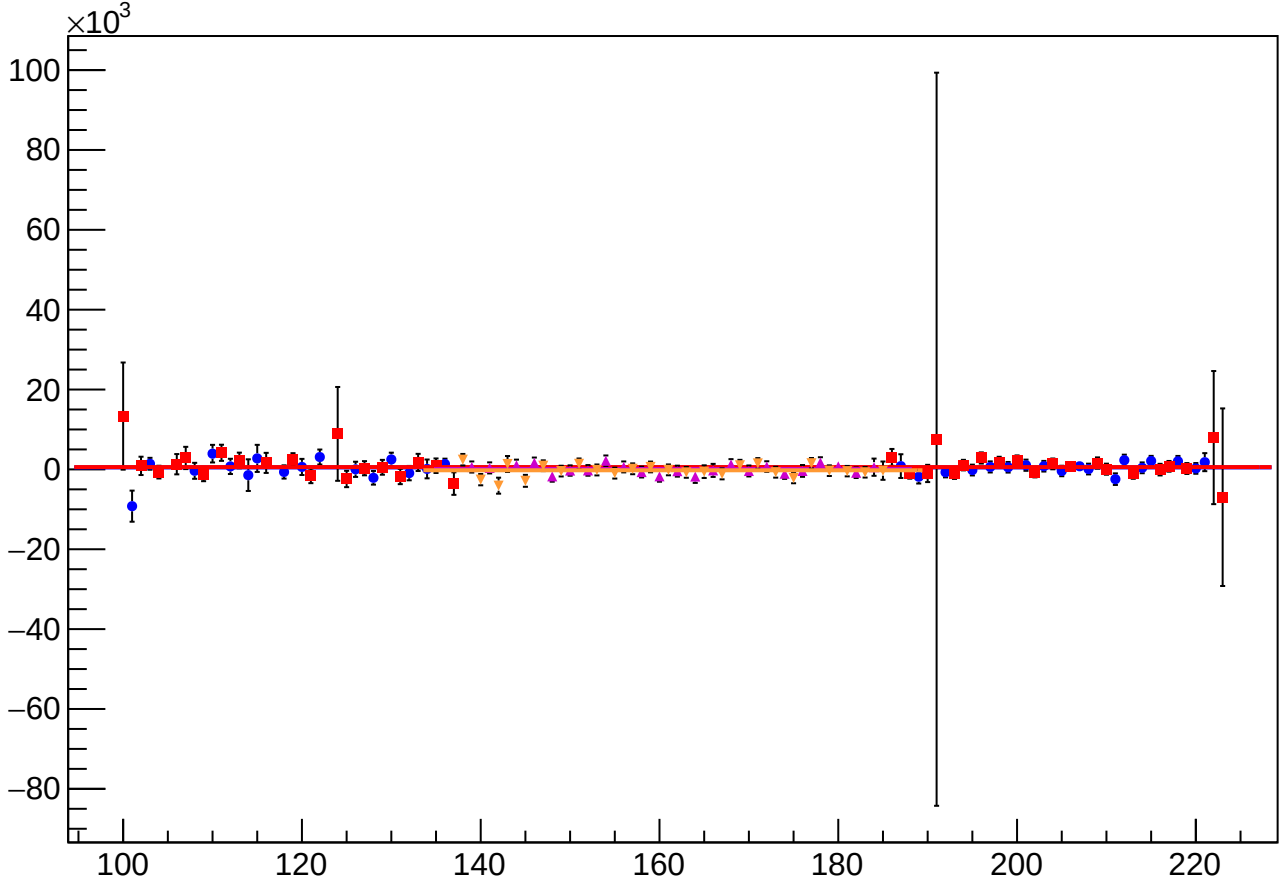
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 24281145.0/58

All: 0.000+/-0.000 χ^2/NDF: 47197722.0/120

- sign 0.000+/-0.000 χ^2/NDF: 22627466.0/61

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 493.125+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 577.609+/-277.551 χ^2/NDF: 30.1/38

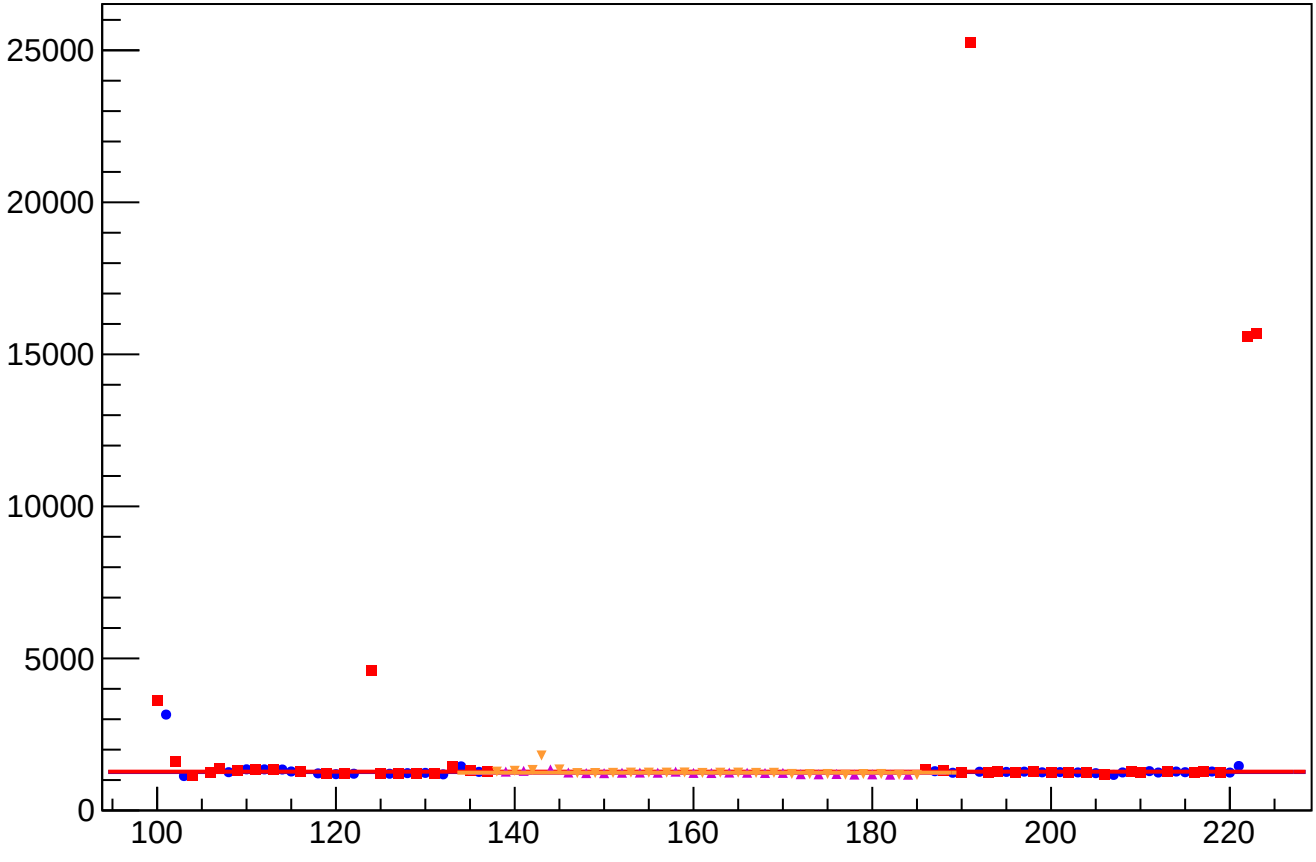
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 147.309+/-197.011 χ^2/NDF: 57.2/58

All: 244.286+/-140.326 χ^2/NDF: 103.9/120

- sign 344.150+/-199.922 χ^2/NDF: 46.3/61

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552039.5/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

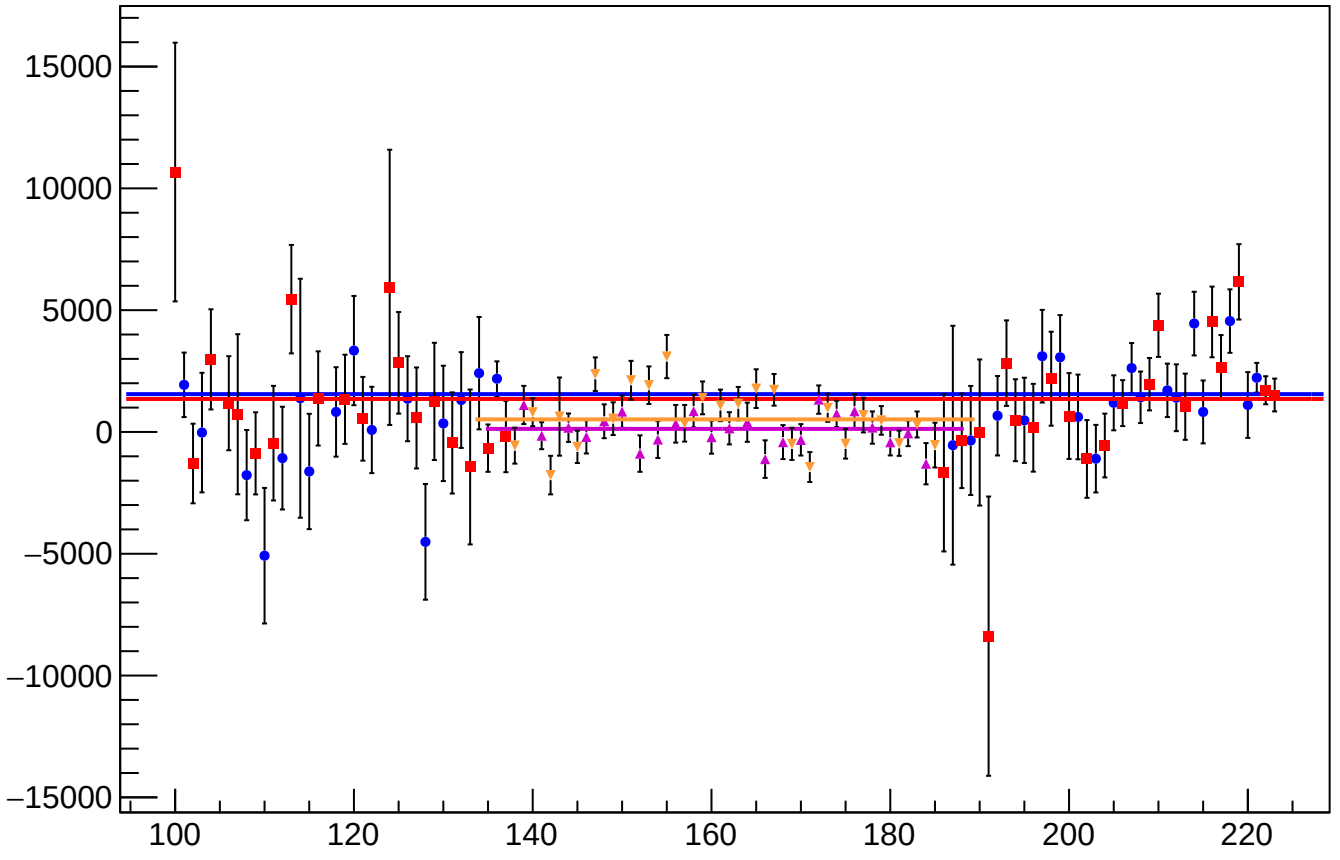
Right Out: 1275.763+/-0.196 χ^2/NDF: 2804518.2/38

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760653.1/58

All: 1254.409+/-0.099 χ^2/NDF: 3626628.8/12

- sign 1255.550+/-0.141 χ^2/NDF: 2865847.4/61



Right In: 1552.414+/-243.046 χ^2/NDF: 42.0/33

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 1353.595+/-235.366 χ^2/NDF: 53.3/38

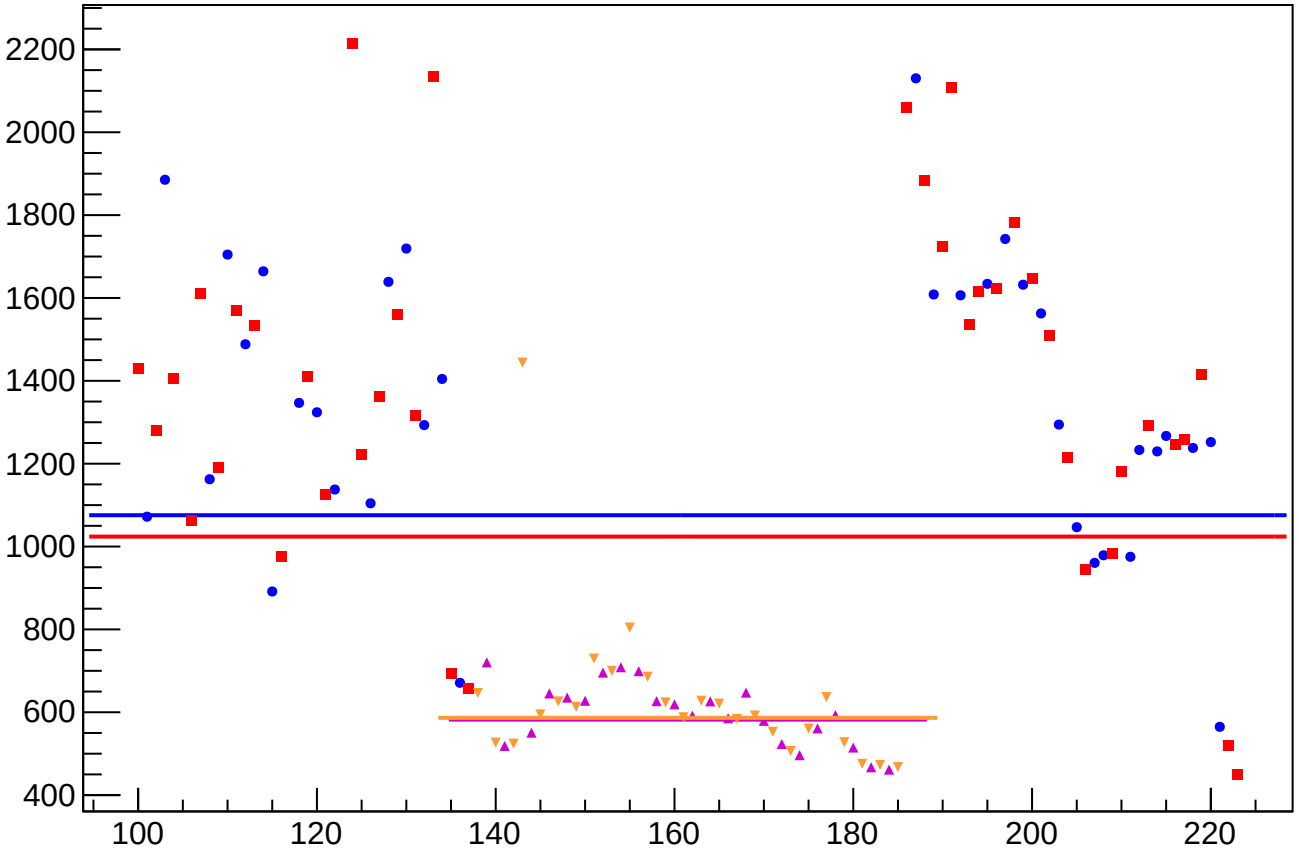
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 763.034+/-118.514 χ^2/NDF: 122.9/58

All: 600.595+/-83.823 χ^2/NDF: 221.8/120

- sign 437.989+/-118.574 χ^2/NDF: 95.1/61

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1075.621+/-0.172 χ^2/NDF: 4392031.9/33

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1024.036+/-0.166 χ^2/NDF: 6983357.6/38

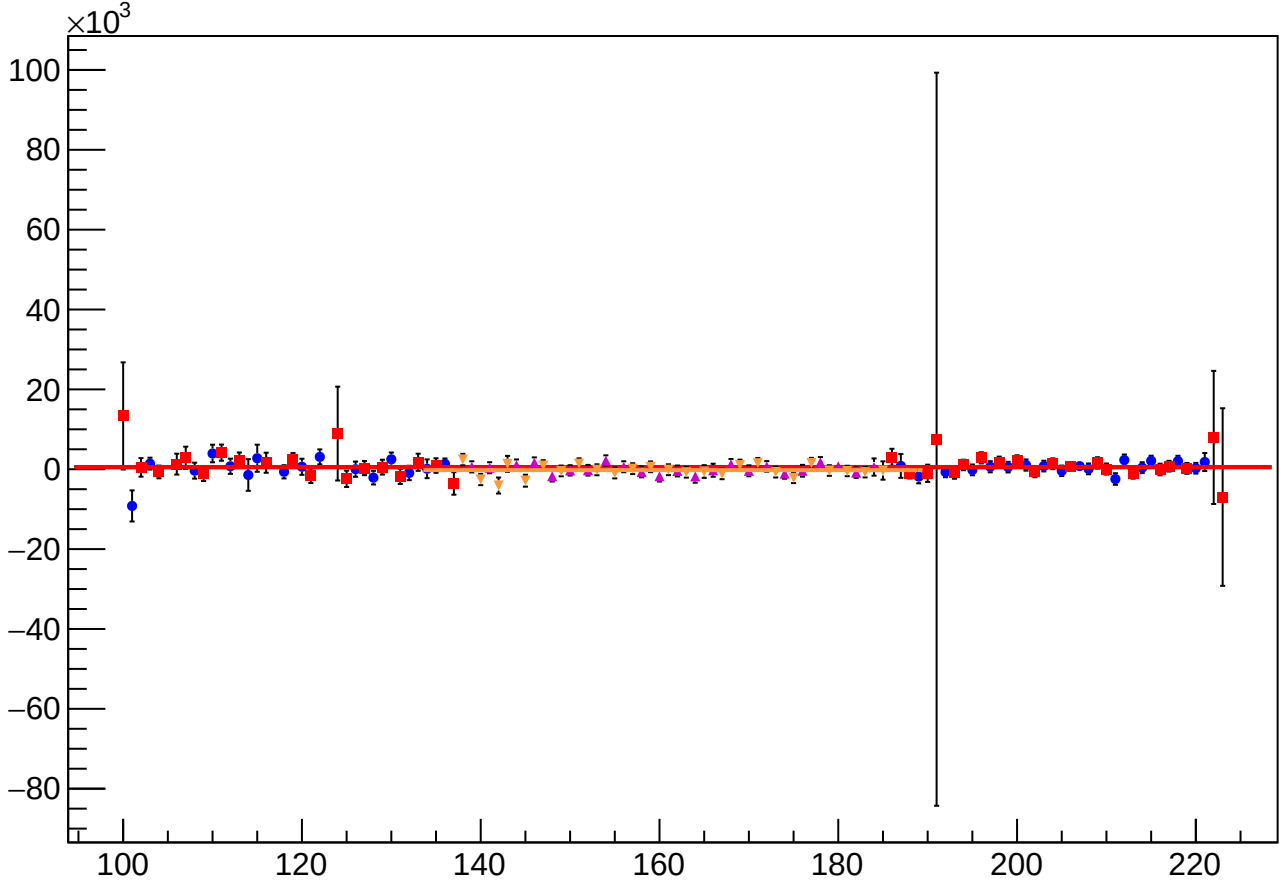
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 702.843+/-0.084 χ^2/NDF: 11767522.8/58

All: 698.589+/-0.059 χ^2/NDF: 24574710.0/12

- sign 694.331+/-0.084 χ^2/NDF: 12802031.7/61

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 493.300+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 570.847+/-277.708 χ^2/NDF: 30.1/38

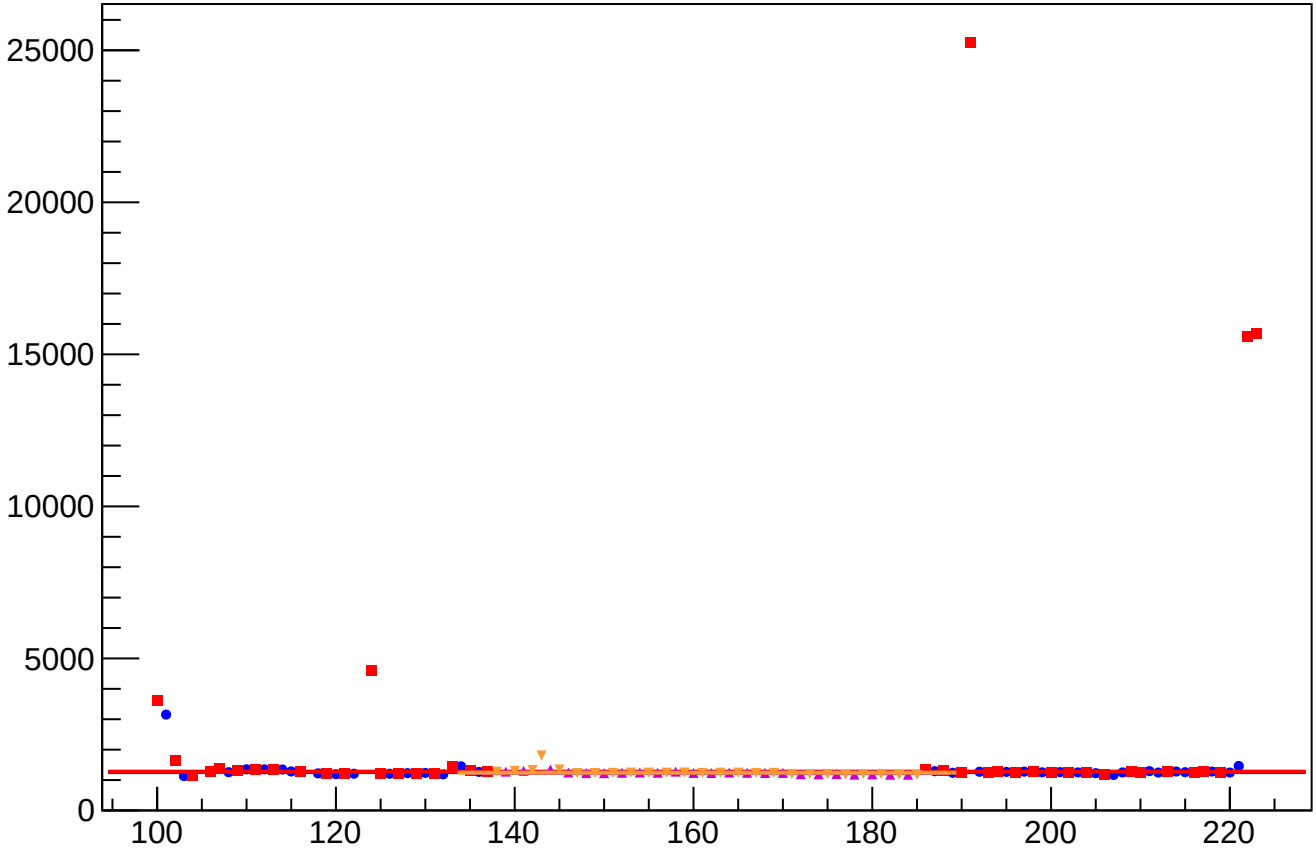
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 147.383+/-197.011 χ^2/NDF: 57.2/58

All: 242.516+/-140.346 χ^2/NDF: 103.8/120

- sign 340.539+/-199.981 χ^2/NDF: 46.2/61

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552040.9/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

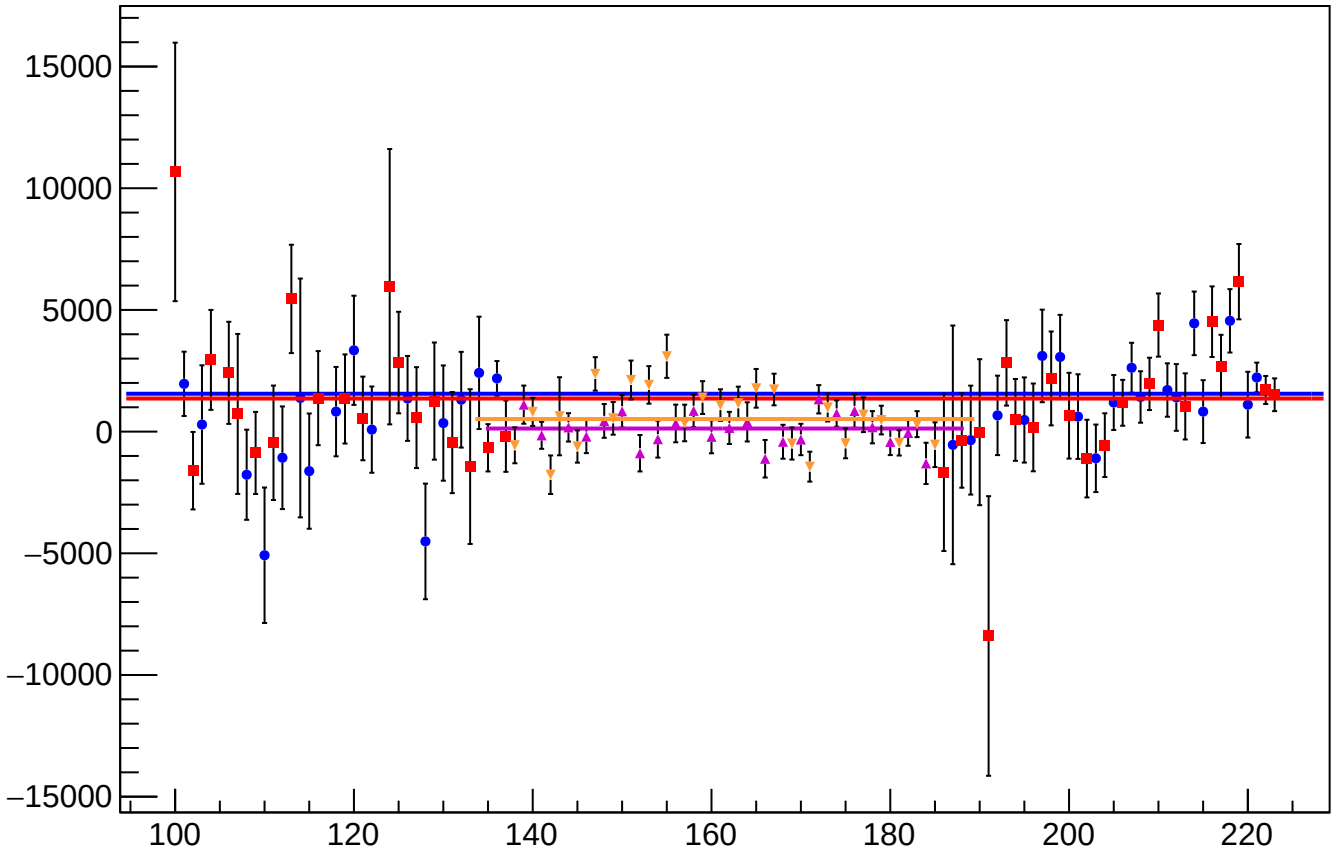
Right Out: 1276.518+/-0.196 χ^2/NDF: 2811464.7/38

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760654.5/58

All: 1254.596+/-0.099 χ^2/NDF: 3634410.1/12

- sign 1255.929+/-0.141 χ^2/NDF: 2873580.5/61



Right In: 1556.117+/-243.036 χ^2/NDF: 41.9/33

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

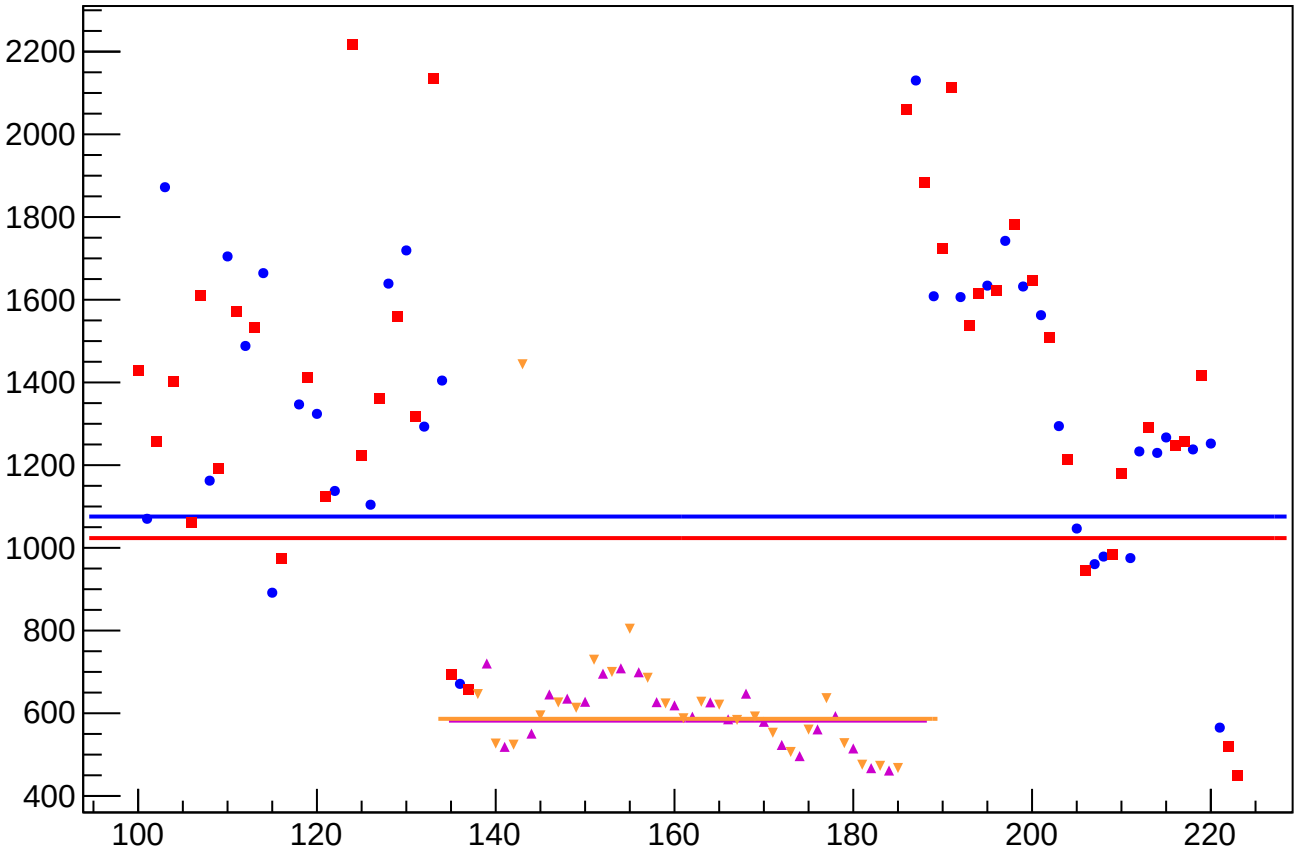
Right Out: 1359.028+/-235.484 χ^2/NDF: 54.3/38

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 763.948+/-118.513 χ^2/NDF: 122.9/58

All: 601.637+/-83.828 χ^2/NDF: 222.9/120

- sign 439.119+/-118.589 χ^2/NDF: 96.3/61



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1023.605+/-0.167 χ^2/NDF: 6980302.2/38

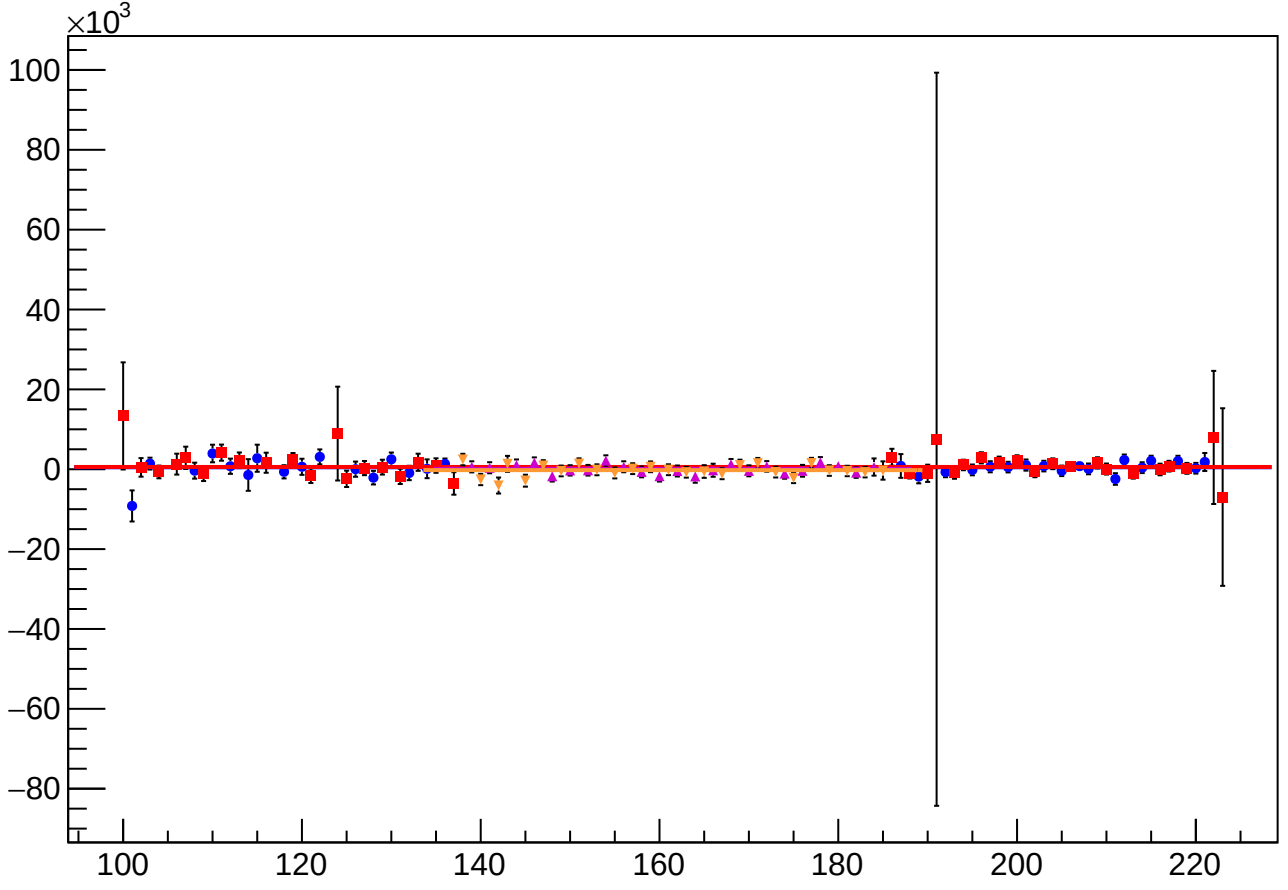
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 702.879+/-0.084 χ^2/NDF: 11762756.9/58

All: 698.511+/-0.059 χ^2/NDF: 24553035.7/12

- sign 694.136+/-0.084 χ^2/NDF: 12784839.6/61

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 493.300+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 570.847+/-277.708 χ^2/NDF: 30.1/38

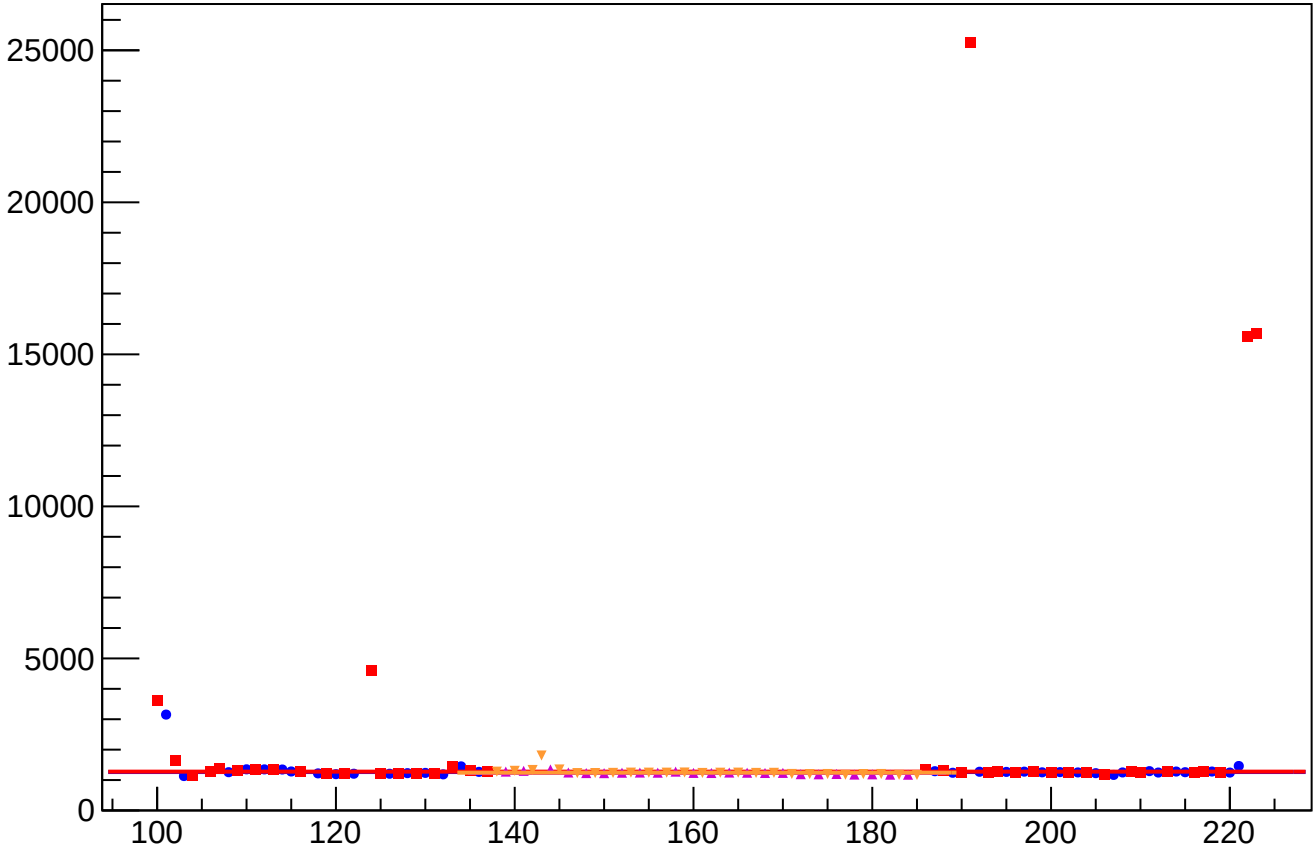
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 147.383+/-197.011 χ^2/NDF: 57.2/58

All: 242.516+/-140.346 χ^2/NDF: 103.8/120

- sign 340.539+/-199.981 χ^2/NDF: 46.2/61

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552040.9/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

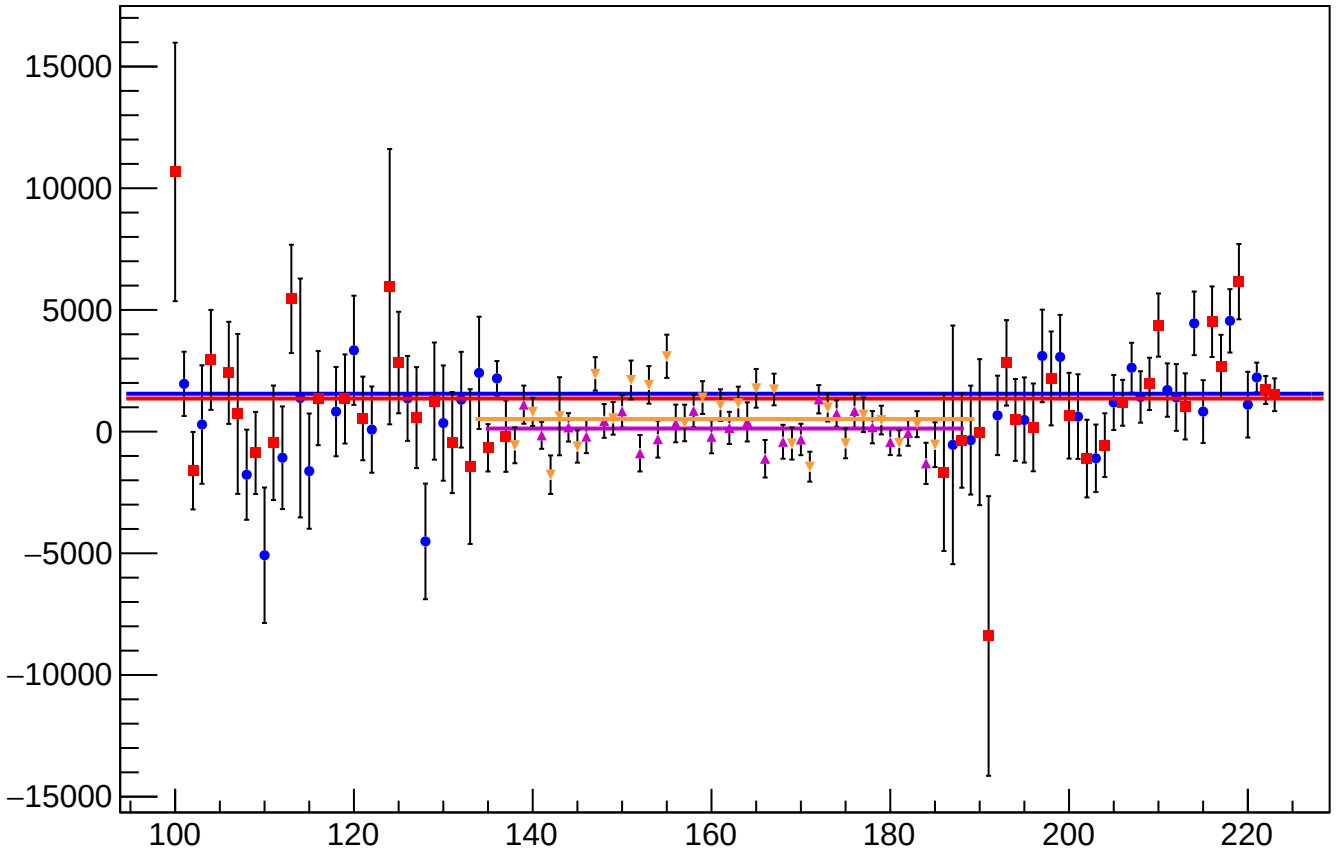
Right Out: 1276.518+/-0.196 χ^2/NDF: 2811464.7/38

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760654.5/58

All: 1254.596+/-0.099 χ^2/NDF: 3634410.1/12

- sign 1255.929+/-0.141 χ^2/NDF: 2873580.5/61



Right In: 1556.117+/-243.036 χ^2/NDF: 41.9/33

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

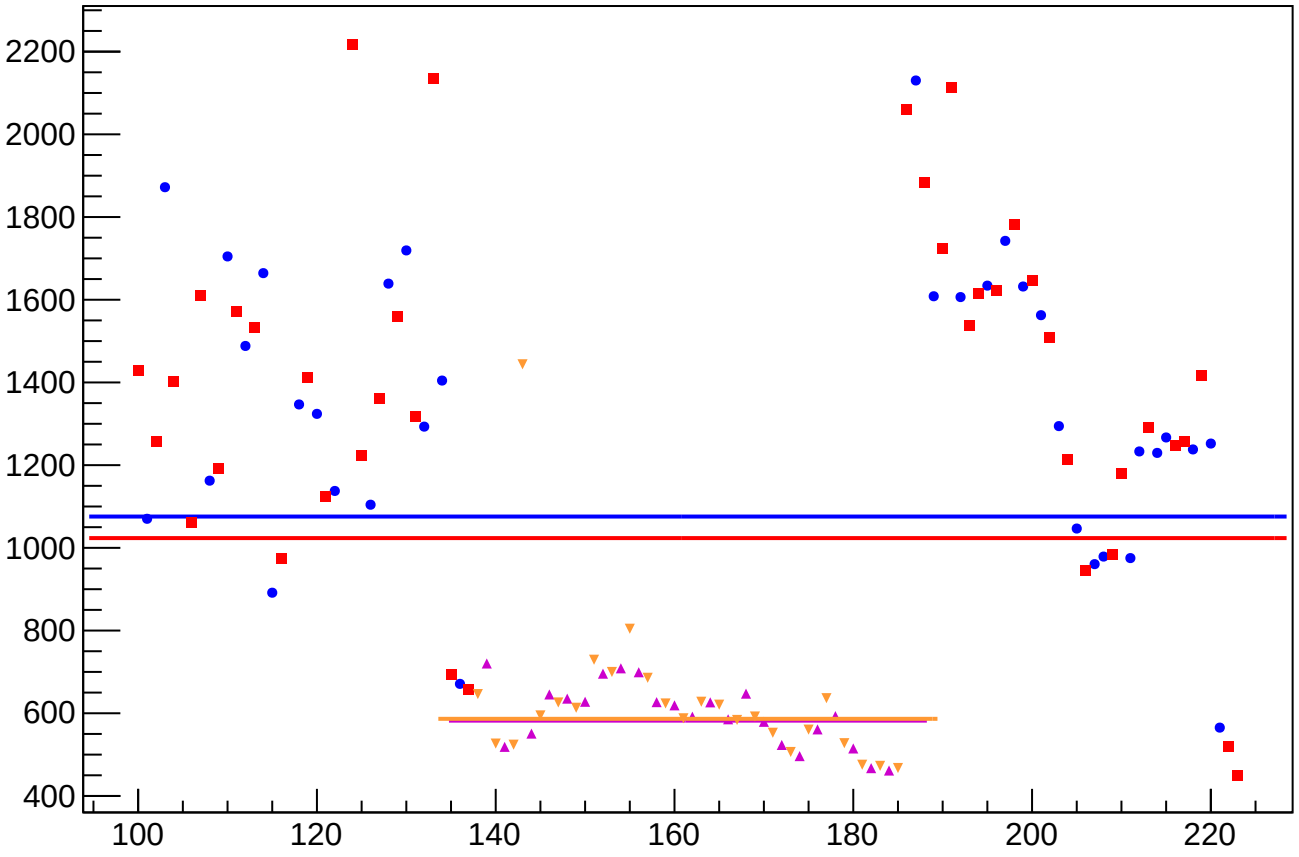
Right Out: 1359.028+/-235.484 χ^2/NDF: 54.3/38

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 763.948+/-118.513 χ^2/NDF: 122.9/58

All: 601.637+/-83.828 χ^2/NDF: 222.9/120

- sign 439.119+/-118.589 χ^2/NDF: 96.3/61



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1023.605+/-0.167 χ^2/NDF: 6980302.2/38

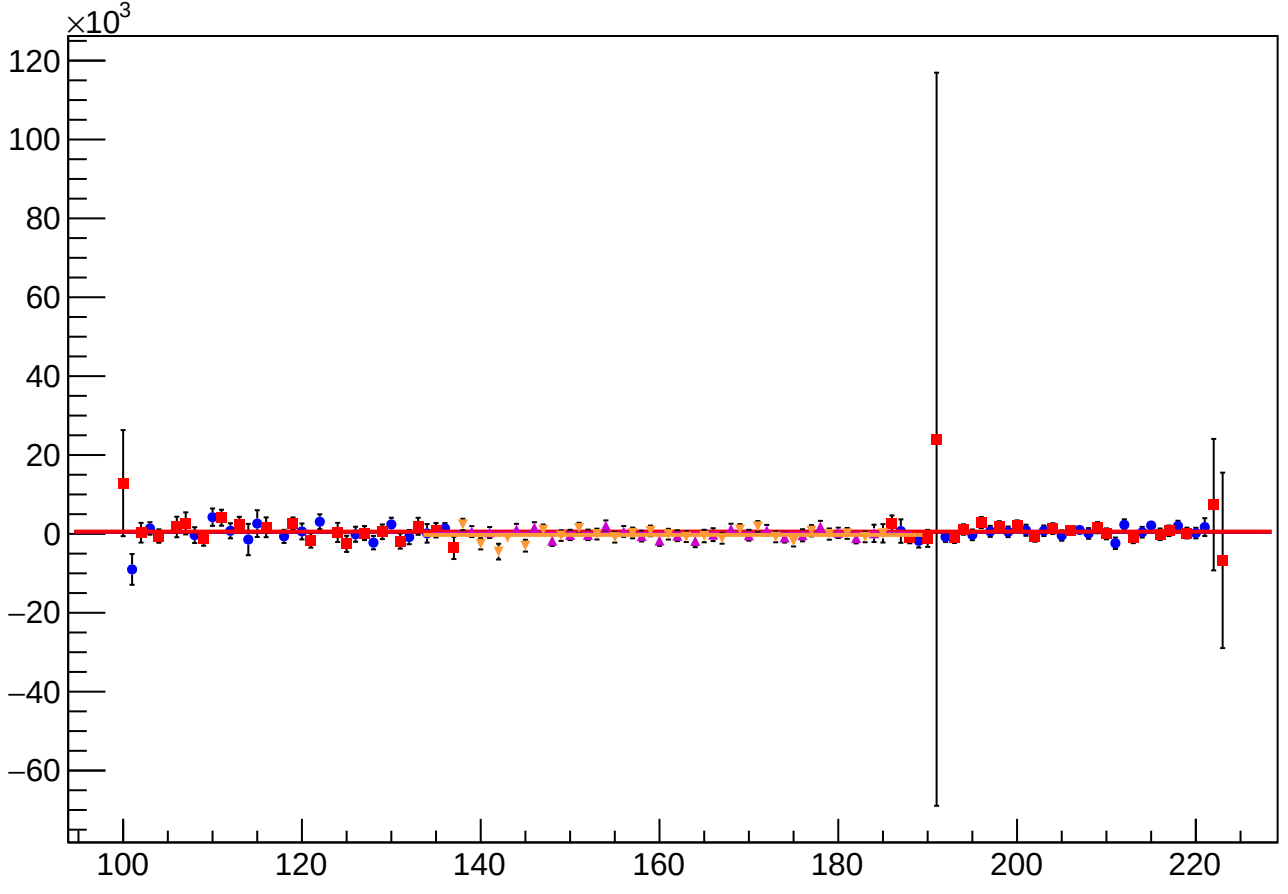
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 702.879+/-0.084 χ^2/NDF: 11762756.9/58

All: 698.511+/-0.059 χ^2/NDF: 24553035.7/12

- sign 694.136+/-0.084 χ^2/NDF: 12784839.6/61

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 496.950+/-275.122 χ^2/NDF: 29.8/33

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.894+/-277.157 χ^2/NDF: 29.6/38

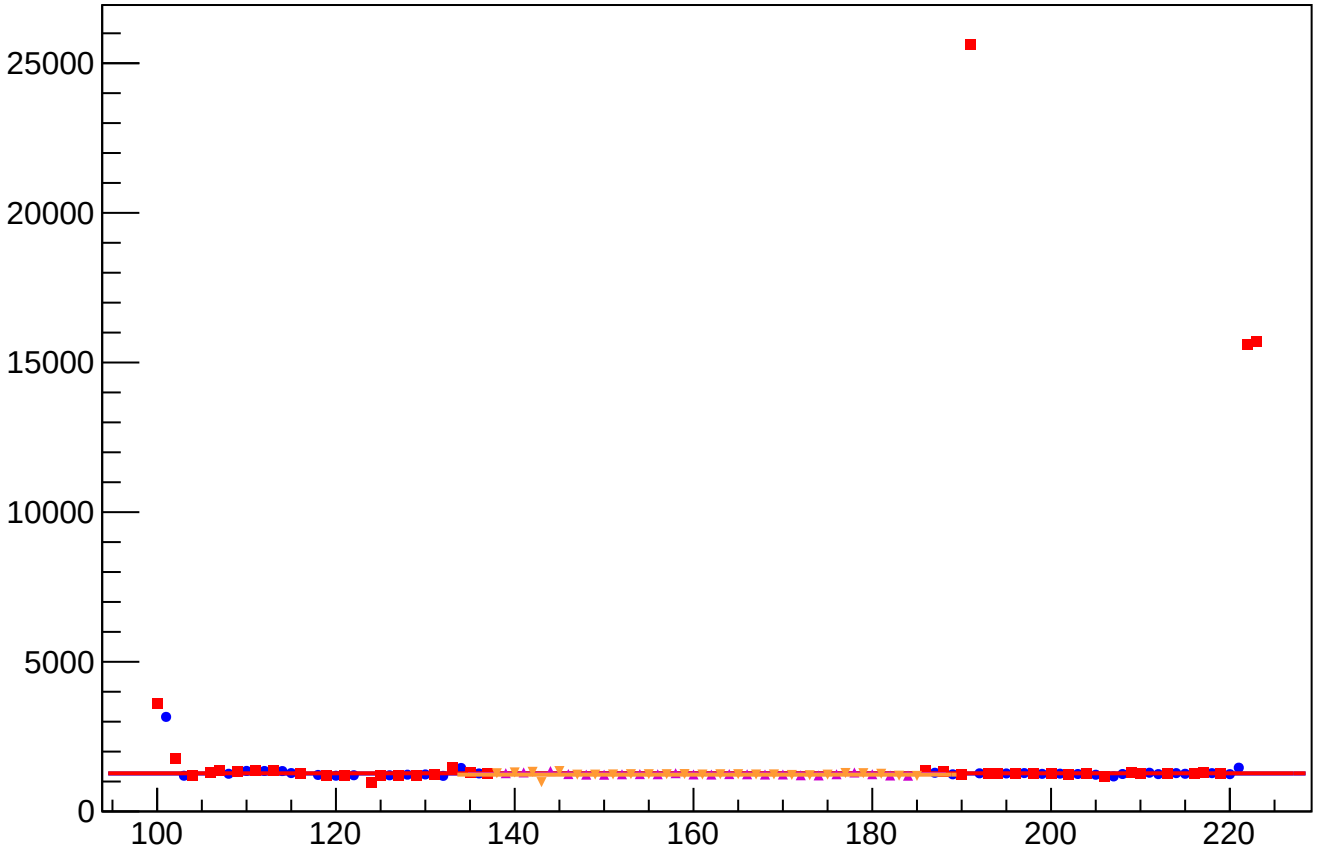
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign 129.518+/-196.216 χ^2/NDF: 57.5/58

All: 229.268+/-140.354 χ^2/NDF: 103.1/120

\- sign 333.779+/-200.845 χ^2/NDF: 45.1/61

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1266.710+/-0.195 χ^2/NDF: 541355.9/33

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

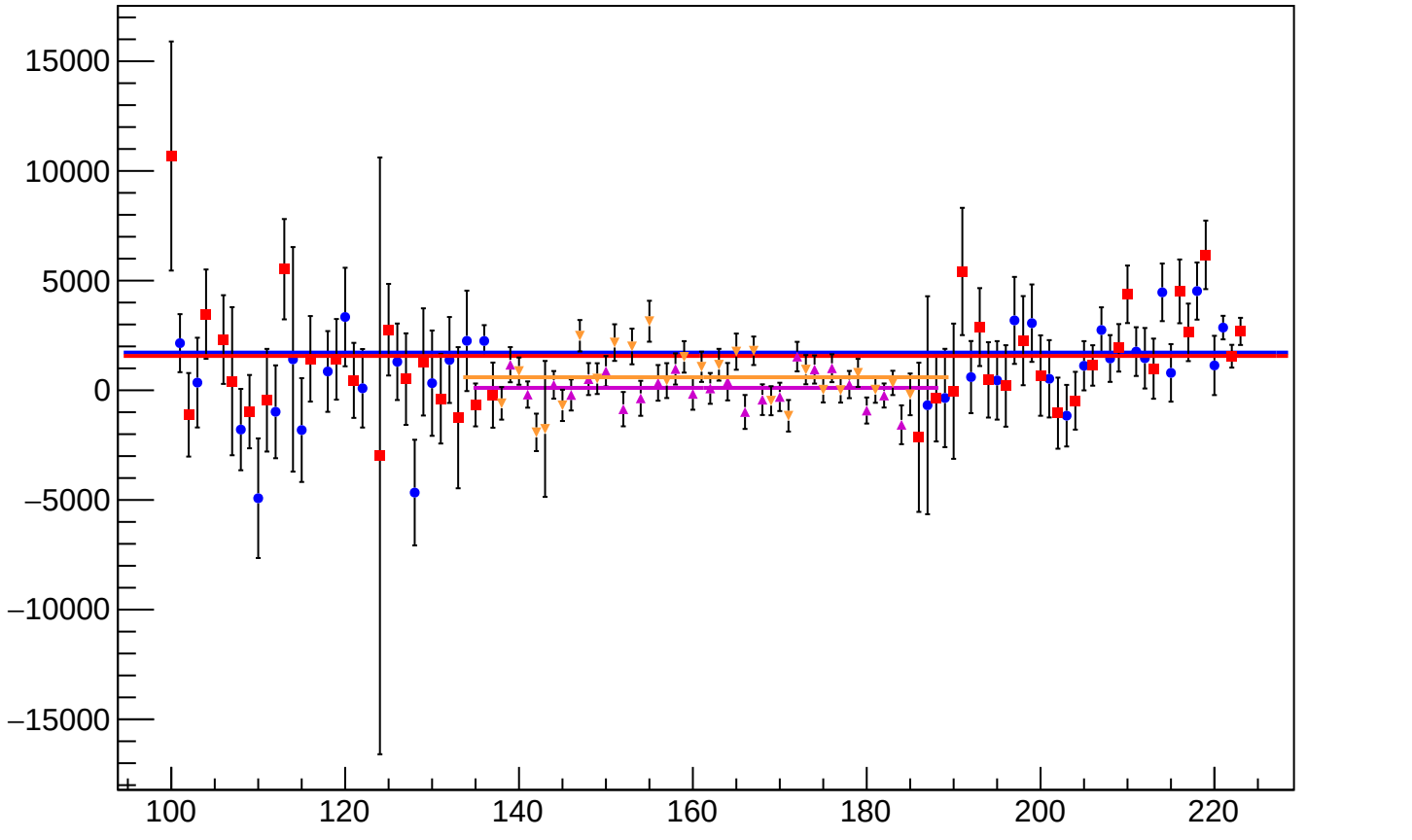
Right Out: 1275.327+/-0.196 χ^2/NDF: 2703162.5/38

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1248.666+/-0.139 χ^2/NDF: 700472.5/58

All: 1255.299+/-0.099 χ^2/NDF: 3445034.1/12

- sign 1262.248+/-0.142 χ^2/NDF: 2739881.5/61



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

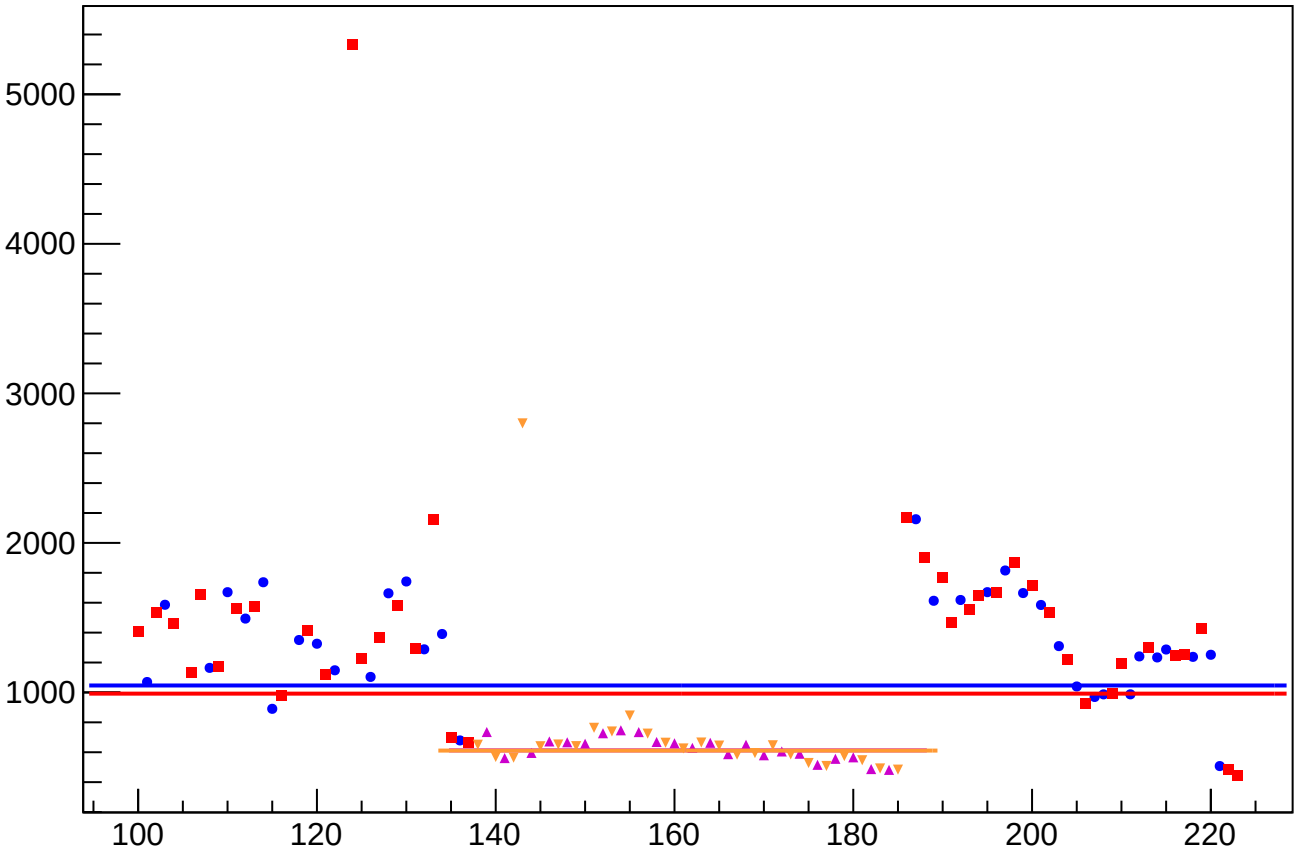
Right Out: 1564.727+/-229.885 χ^2/NDF: 54.6/38

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 889.330+/-122.108 χ^2/NDF: 120.6/58

All: 705.308+/-86.367 χ^2/NDF: 234.2/120

- sign 521.080+/-122.176 χ^2/NDF: 109.0/61



Right In: 1046.482+/-0.169 χ^2/NDF: 5164898.1/33

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 991.933+/-0.163 χ^2/NDF: 8267719.2/38

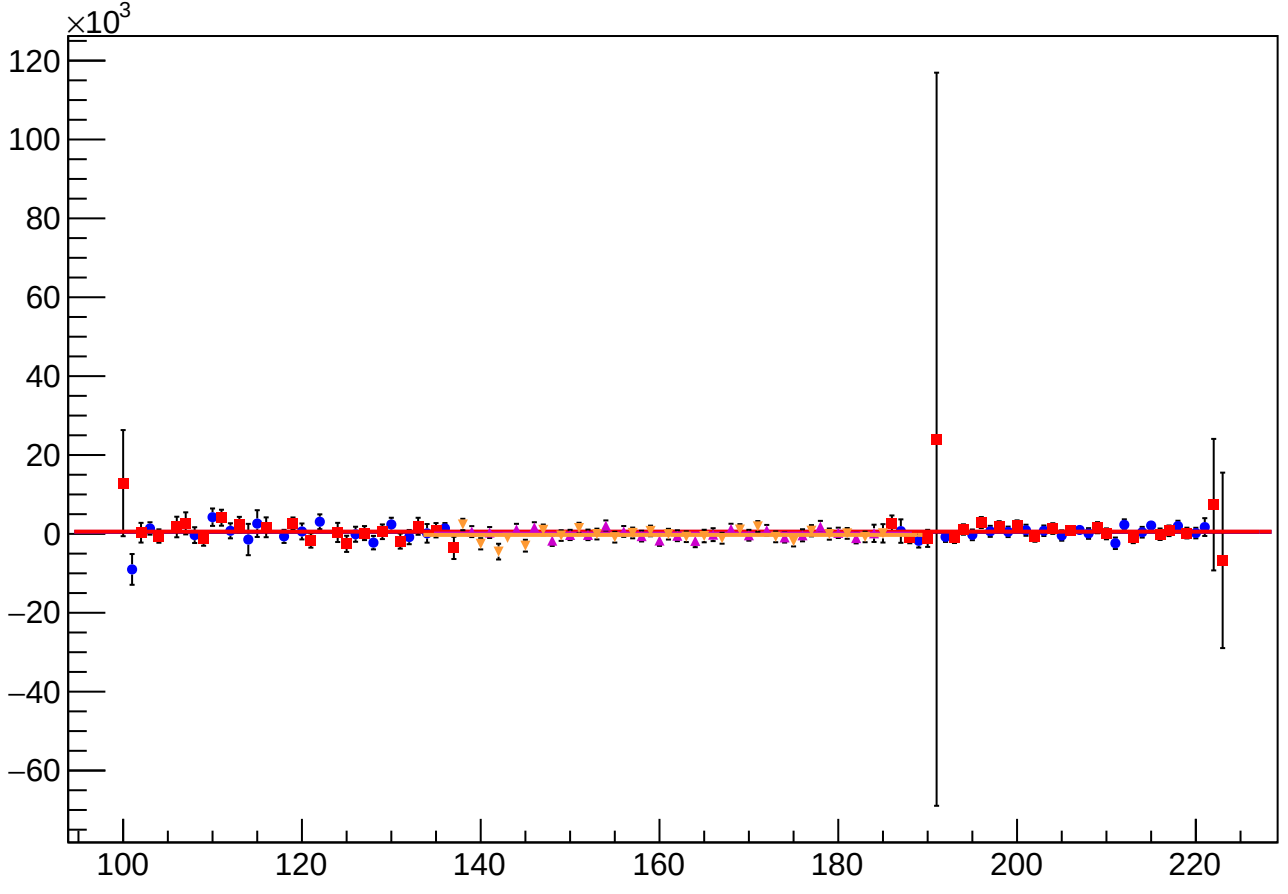
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

\+ sign 725.119+/-0.086 χ^2/NDF: 11699702.5/58

All: 722.361+/-0.061 χ^2/NDF: 24389696.9/12

\- sign 719.601+/-0.086 χ^2/NDF: 12687953.7/61

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 496.945+/-275.122 χ^2/NDF: 29.8/33

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.892+/-277.157 χ^2/NDF: 29.6/38

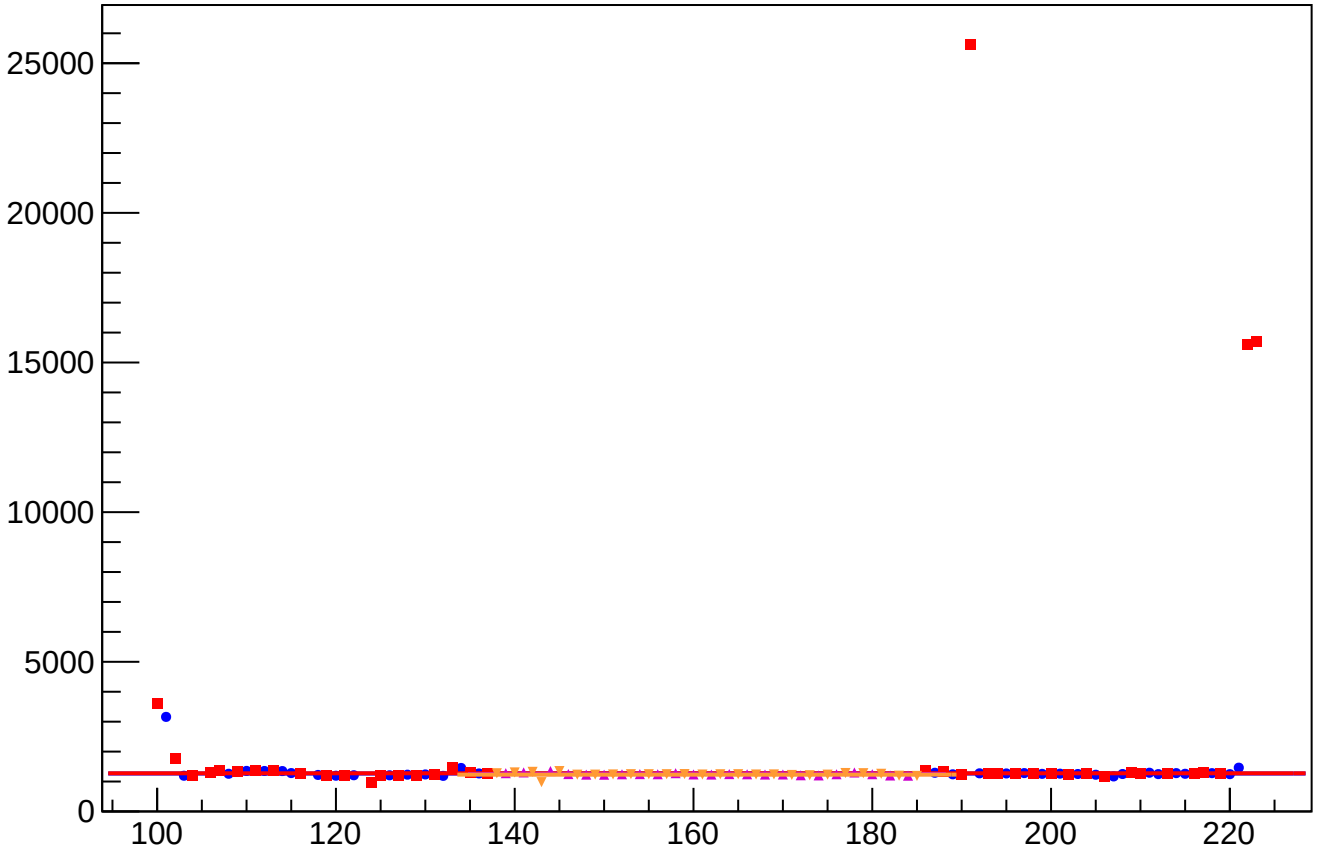
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 129.515+/-196.216 χ^2/NDF: 57.5/58

All: 229.265+/-140.354 χ^2/NDF: 103.1/120

- sign 333.778+/-200.845 χ^2/NDF: 45.1/61

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1266.710+/-0.195 χ^2/NDF: 541356.0/33

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

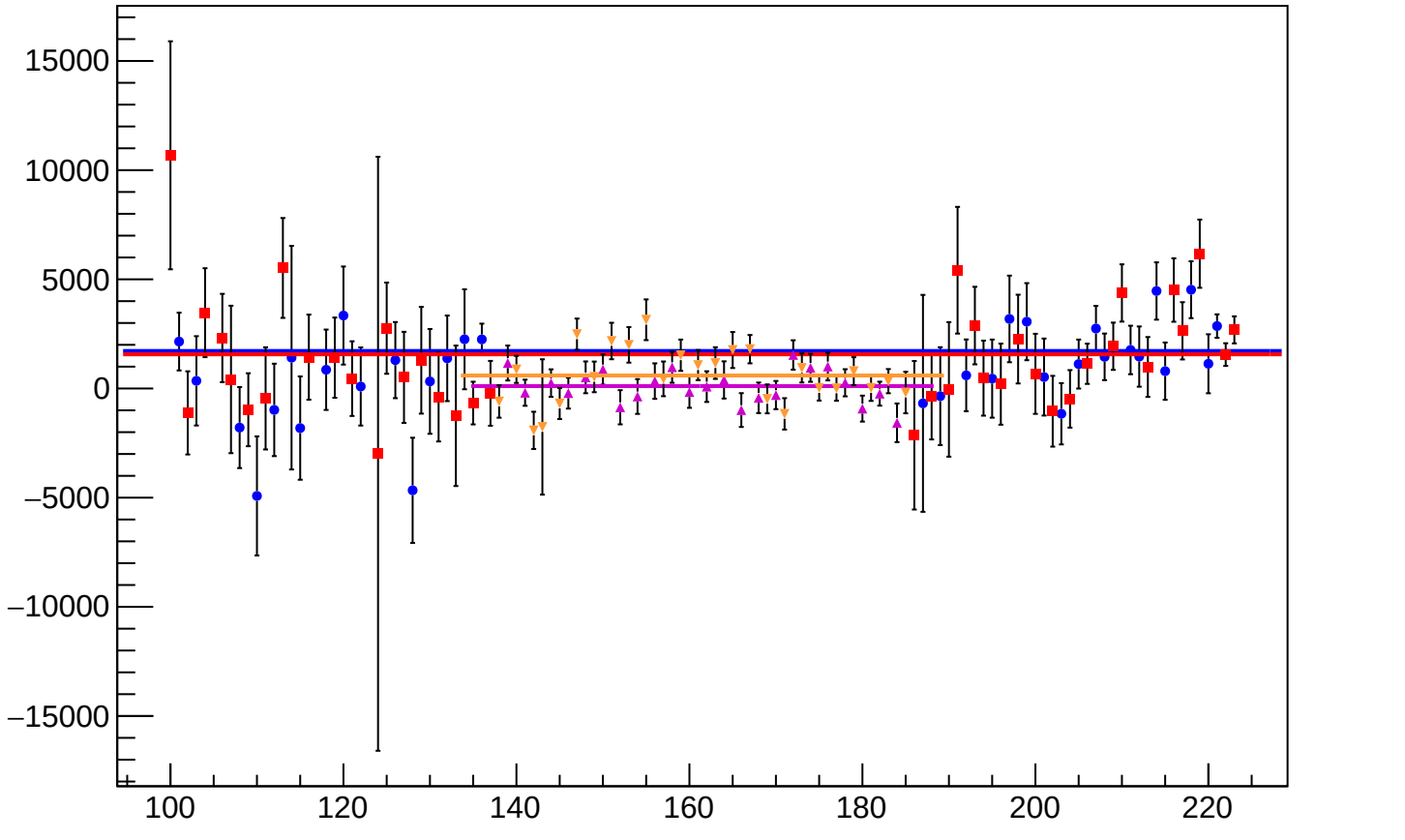
Right Out: 1275.327+/-0.196 χ^2/NDF: 2703162.3/38

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1248.666+/-0.139 χ^2/NDF: 700471.7/58

All: 1255.298+/-0.099 χ^2/NDF: 3445033.0/12

- sign 1262.248+/-0.142 χ^2/NDF: 2739881.3/61



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 1564.728+/-229.885 χ^2/NDF: 54.6/38

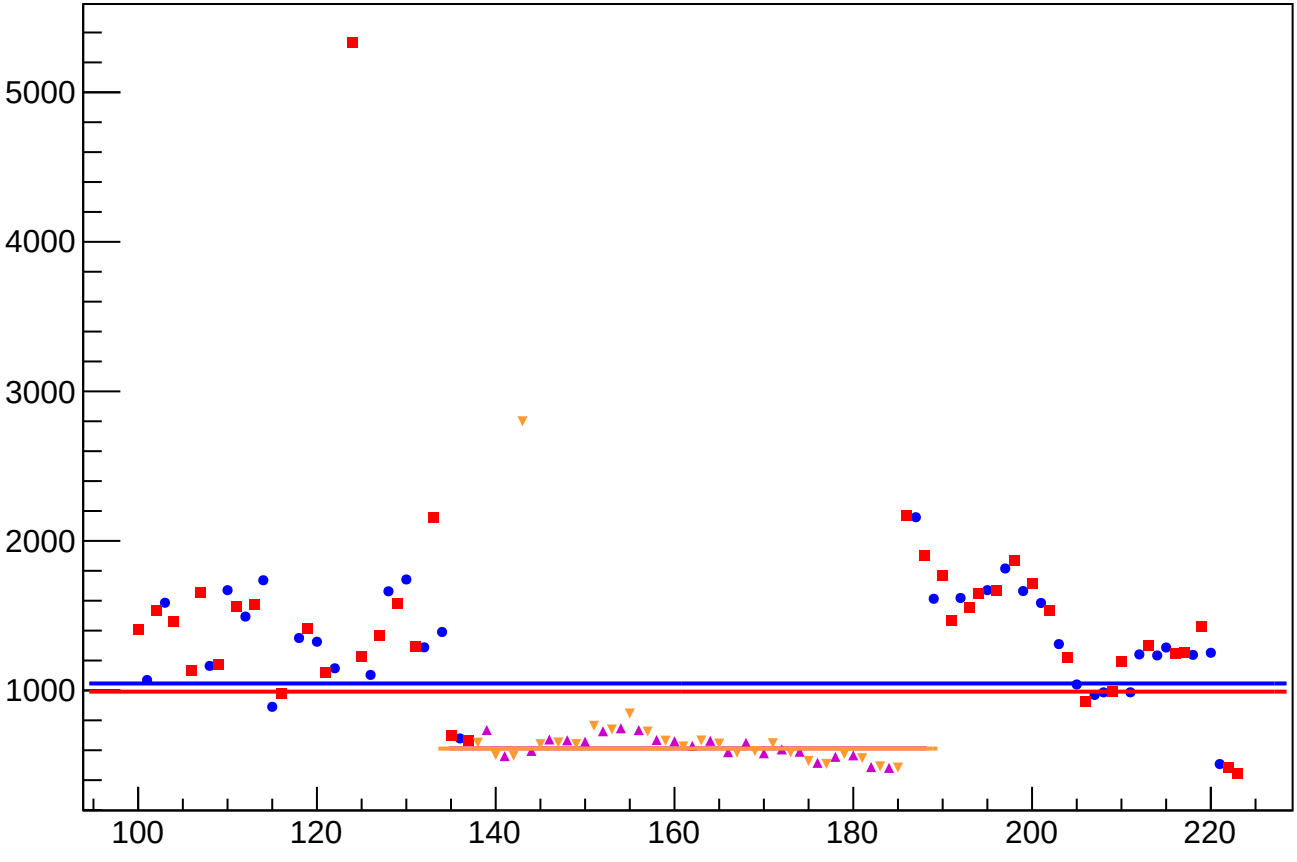
Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 889.330+/-122.108 χ^2/NDF: 120.6/58

All: 705.307+/-86.367 χ^2/NDF: 234.2/120

- sign 521.079+/-122.176 χ^2/NDF: 109.0/61

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1046.482+/-0.169 χ^2/NDF: 5164850.7/33

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 991.933+/-0.163 χ^2/NDF: 8267719.7/38

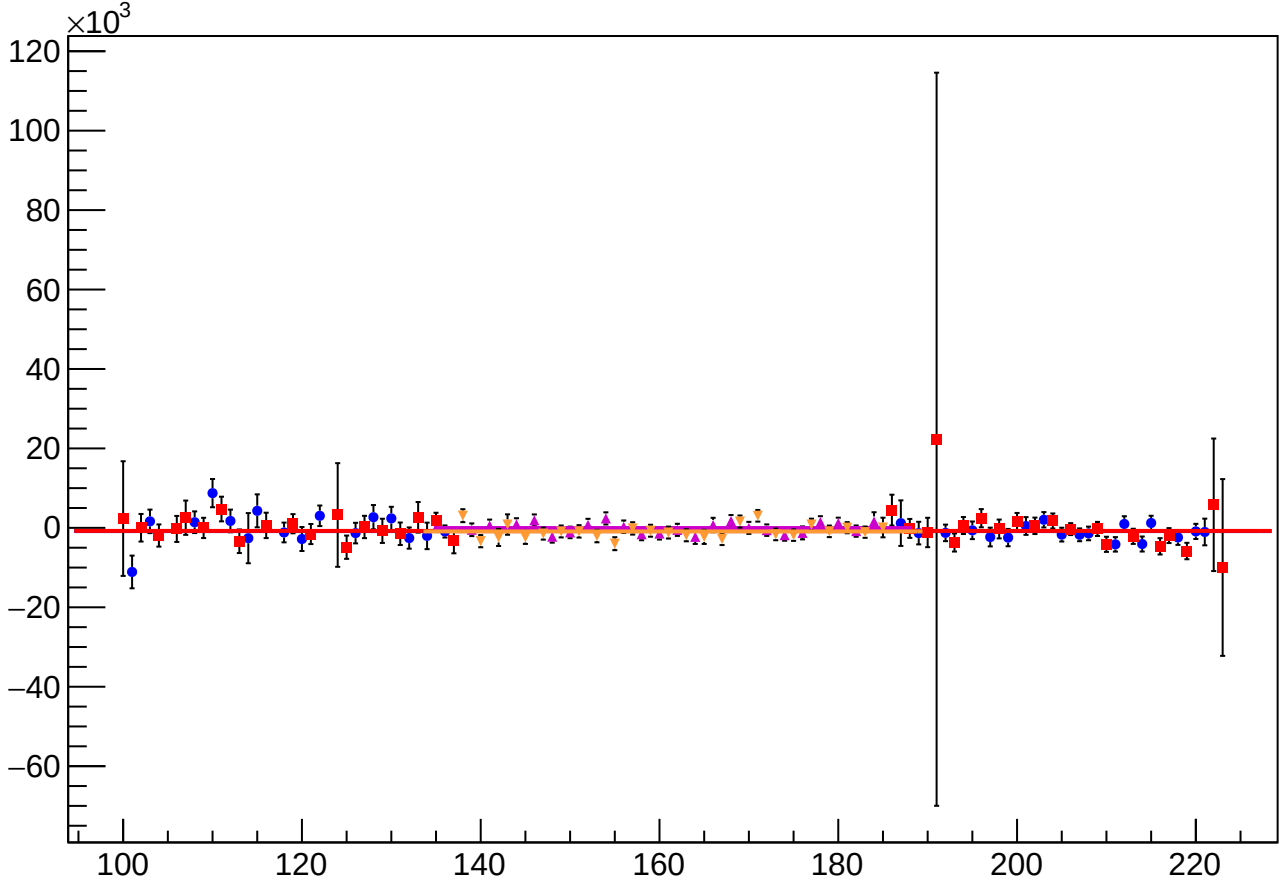
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

\+ sign 725.118+/-0.086 χ^2/NDF: 11699656.6/58

All: 722.361+/-0.061 χ^2/NDF: 24389669.0/12

\- sign 719.600+/-0.086 χ^2/NDF: 12687971.5/61

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -809.503+/-397.239 χ^2/NDF: 36.5/33

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -770.343+/-410.900 χ^2/NDF: 34.2/38

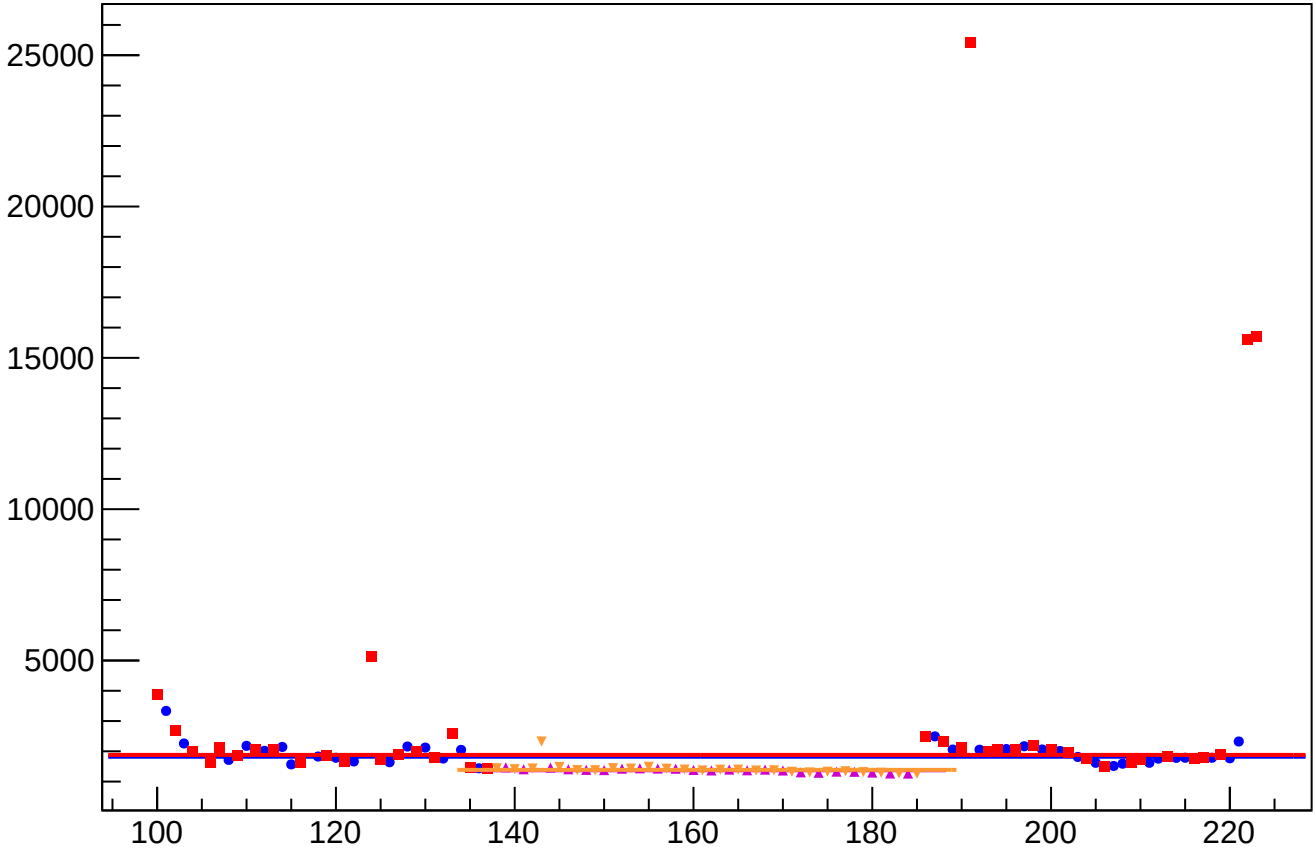
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -864.802+/-247.513 χ^2/NDF: 66.4/58

All: -599.173+/-176.901 χ^2/NDF: 122.7/120

- sign -321.799+/-252.926 χ^2/NDF: 54.0/61

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1821.130+/-0.281 χ^2/NDF: 940749.0/33

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

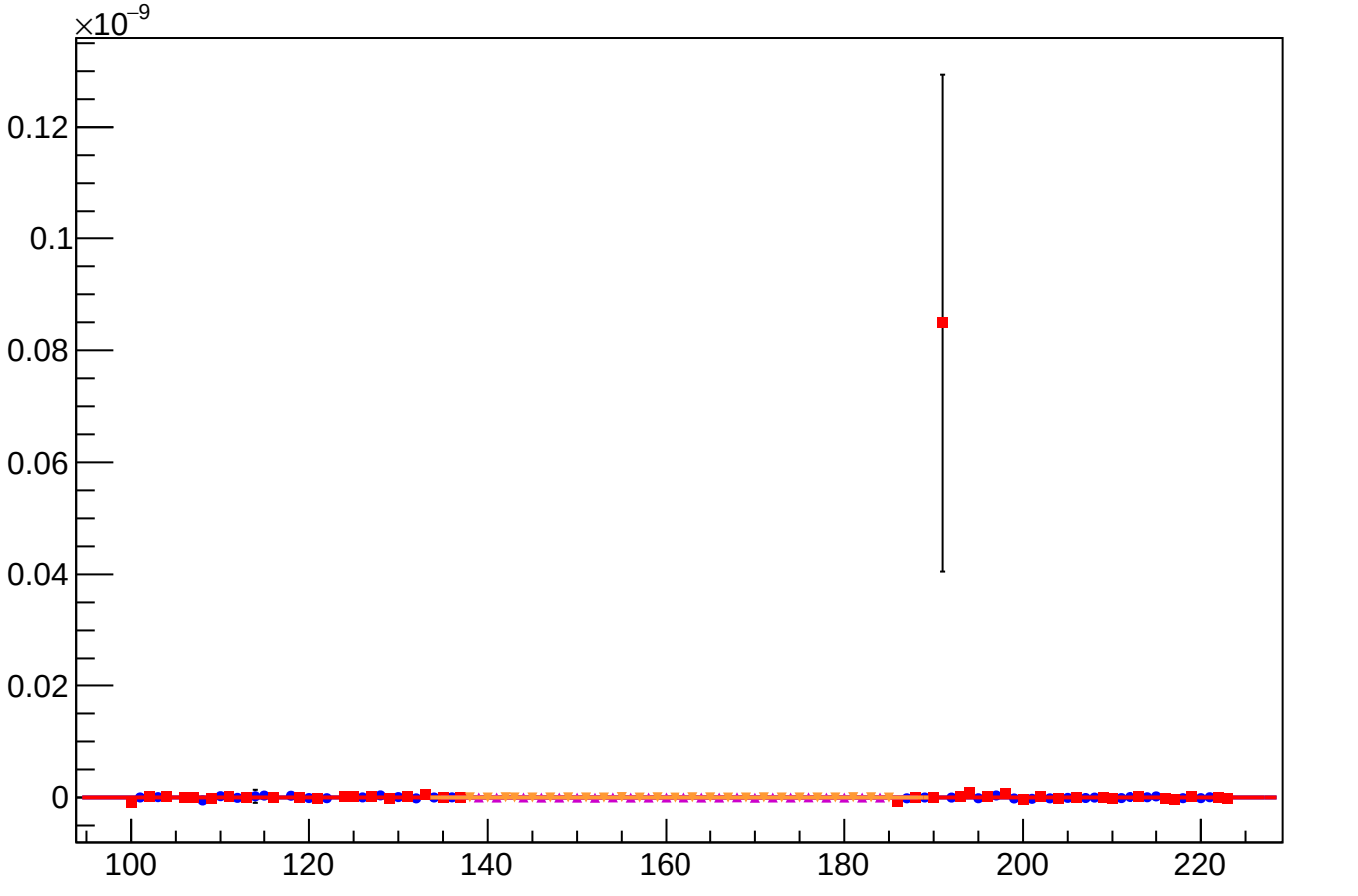
Right Out: 1881.133+/-0.291 χ^2/NDF: 3187204.0/38

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1555.448+/-0.175 χ^2/NDF: 2742937.1/58

All: 1560.445+/-0.125 χ^2/NDF: 7894349.9/12

- sign 1565.662+/-0.179 χ^2/NDF: 5149746.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

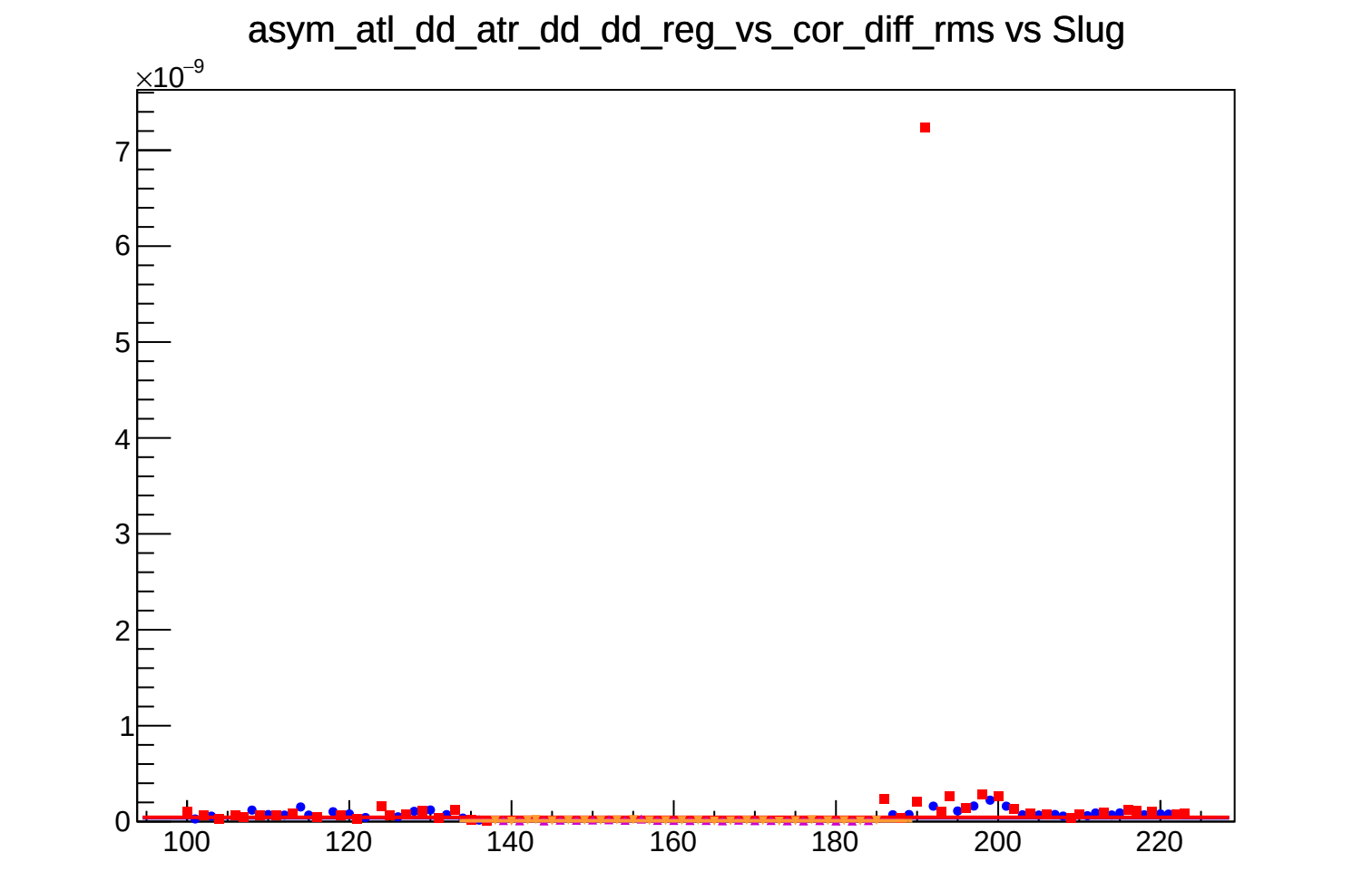
Right Out: 0.000+/-0.000 χ^2/NDF: 59.0/38

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/58

All: 0.000+/-0.000 χ^2/NDF: 127.3/120

- sign -0.000+/-0.000 χ^2/NDF: 72.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 7488737.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

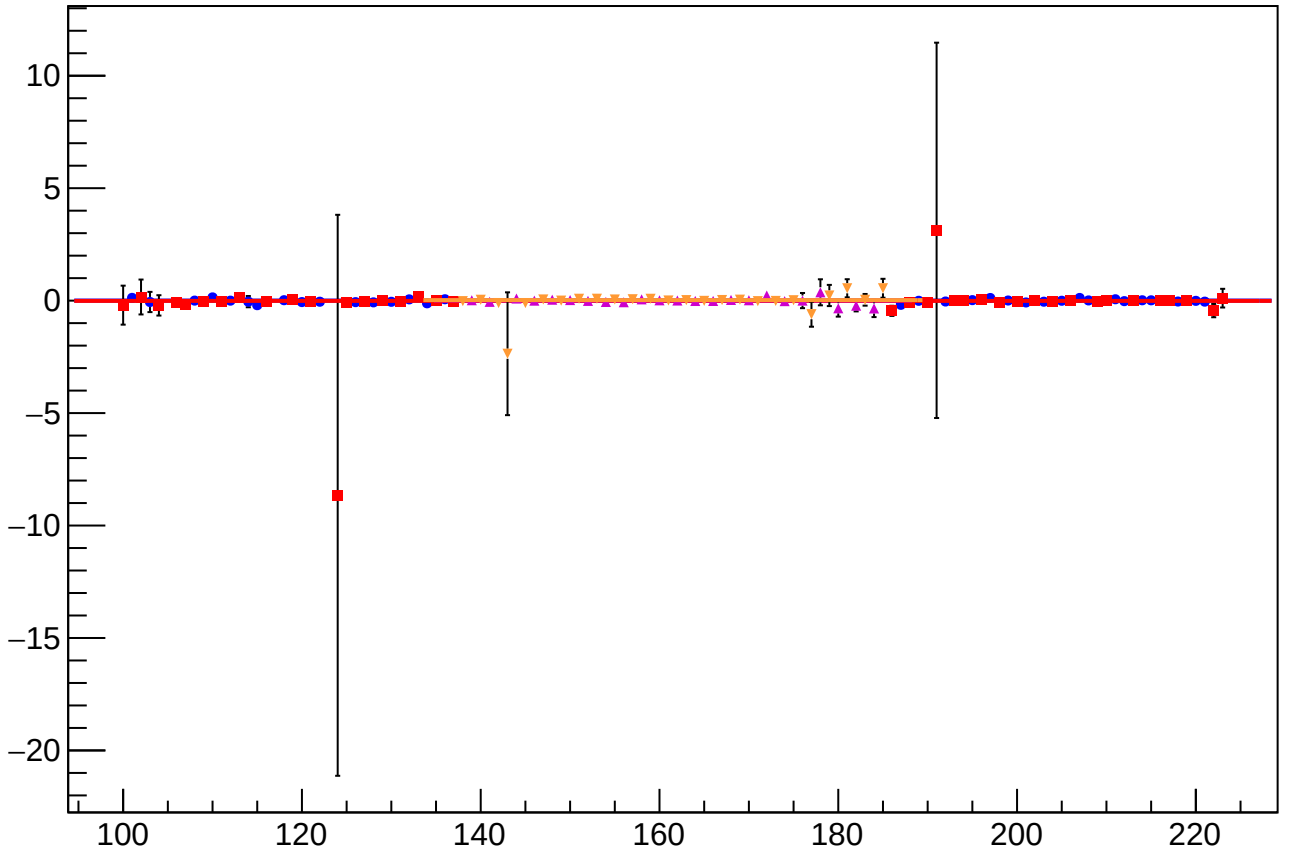
Right Out: 0.000+/-0.000 χ^2/NDF: 8056331.1/38

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16405468.8/58

All: 0.000+/-0.000 χ^2/NDF: 32333843.5/120

- sign 0.000+/-0.000 χ^2/NDF: 15645812.4/61



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 26.7/38

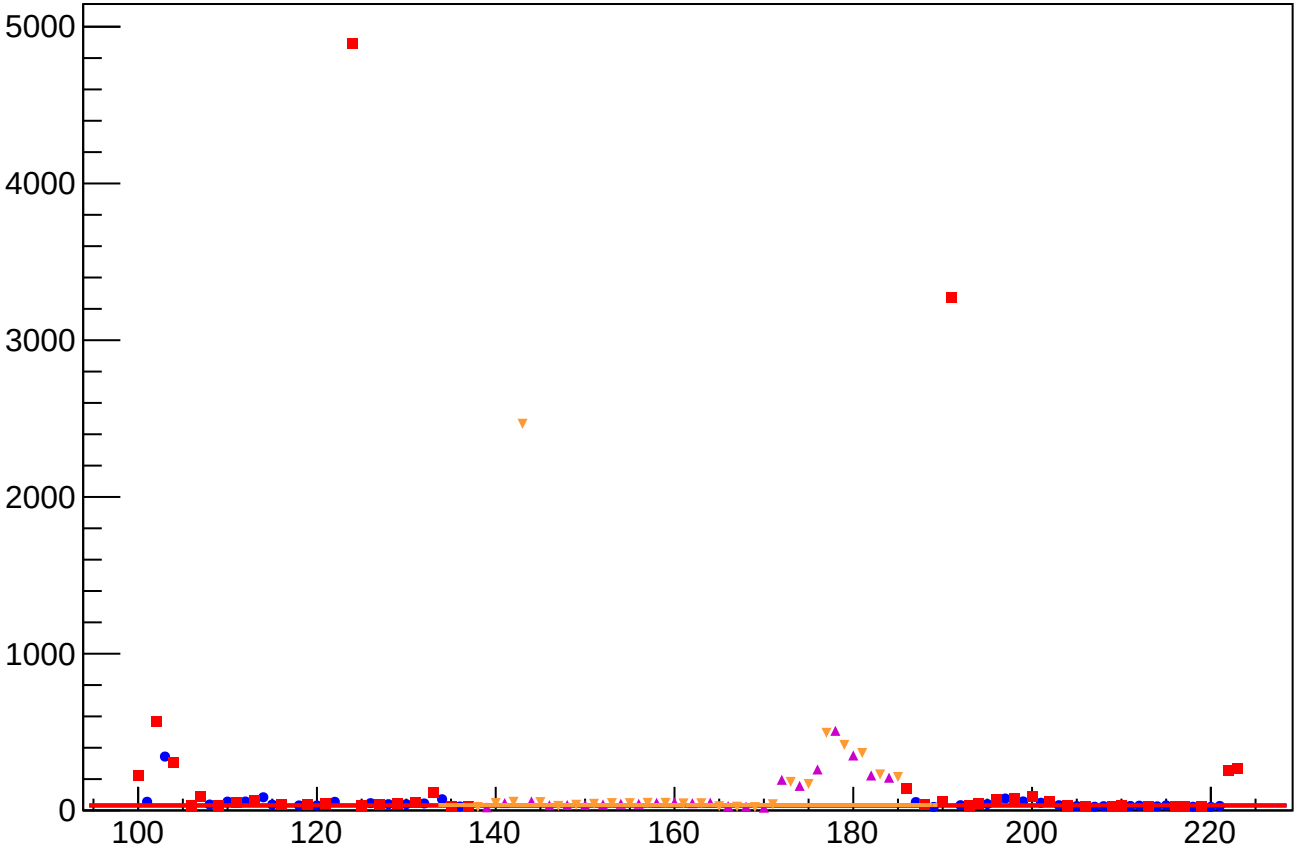
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.004+/-0.004 χ^2/NDF: 121.1/120

- sign -0.003+/-0.006 χ^2/NDF: 44.1/61

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

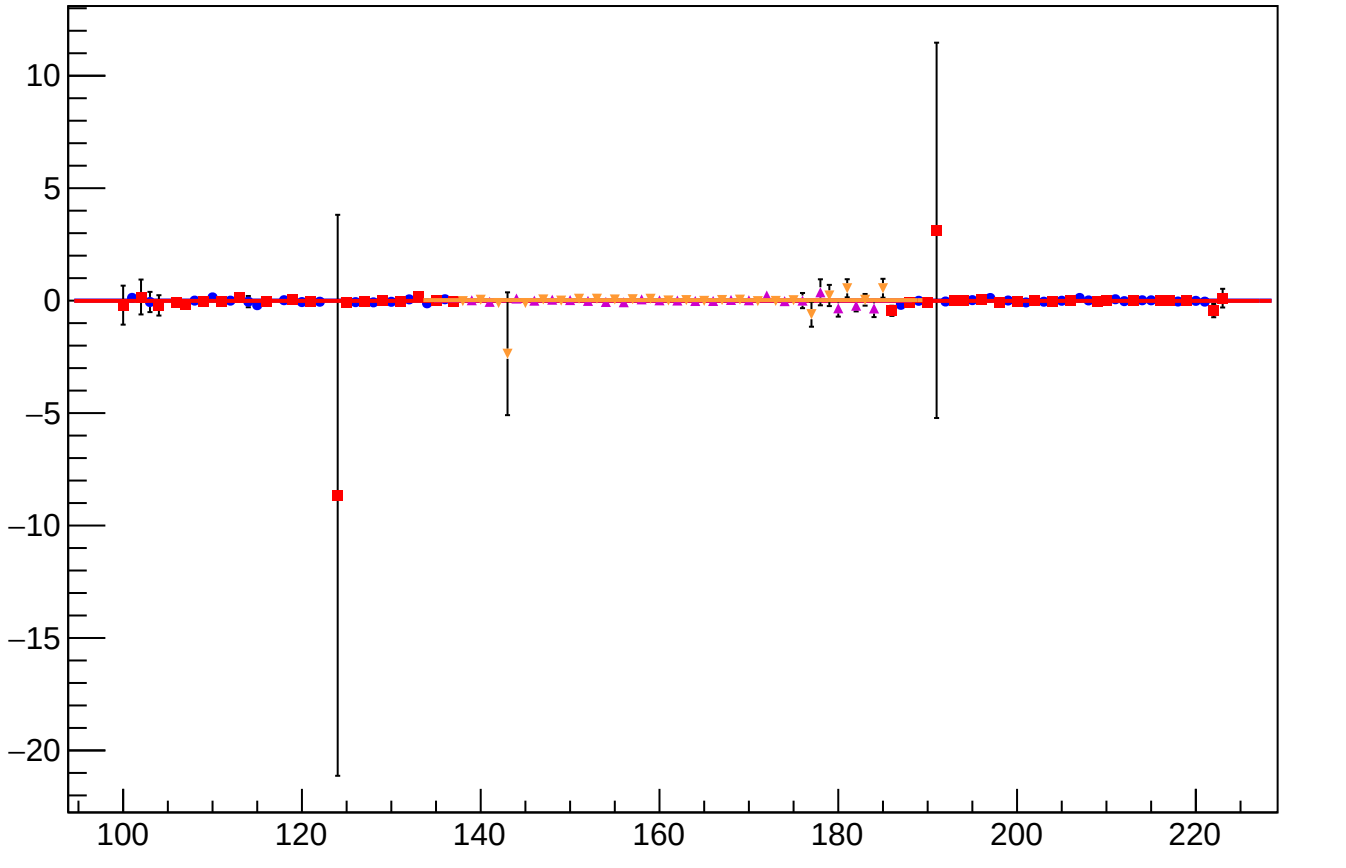
Right Out: 33.129+/-0.006 χ^2/NDF: 8631057.9/38

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.433+/-0.004 χ^2/NDF: 15727515.7/58

All: 32.859+/-0.003 χ^2/NDF: 34448509.4/120

- sign 33.324+/-0.005 χ^2/NDF: 18701046.1/61



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

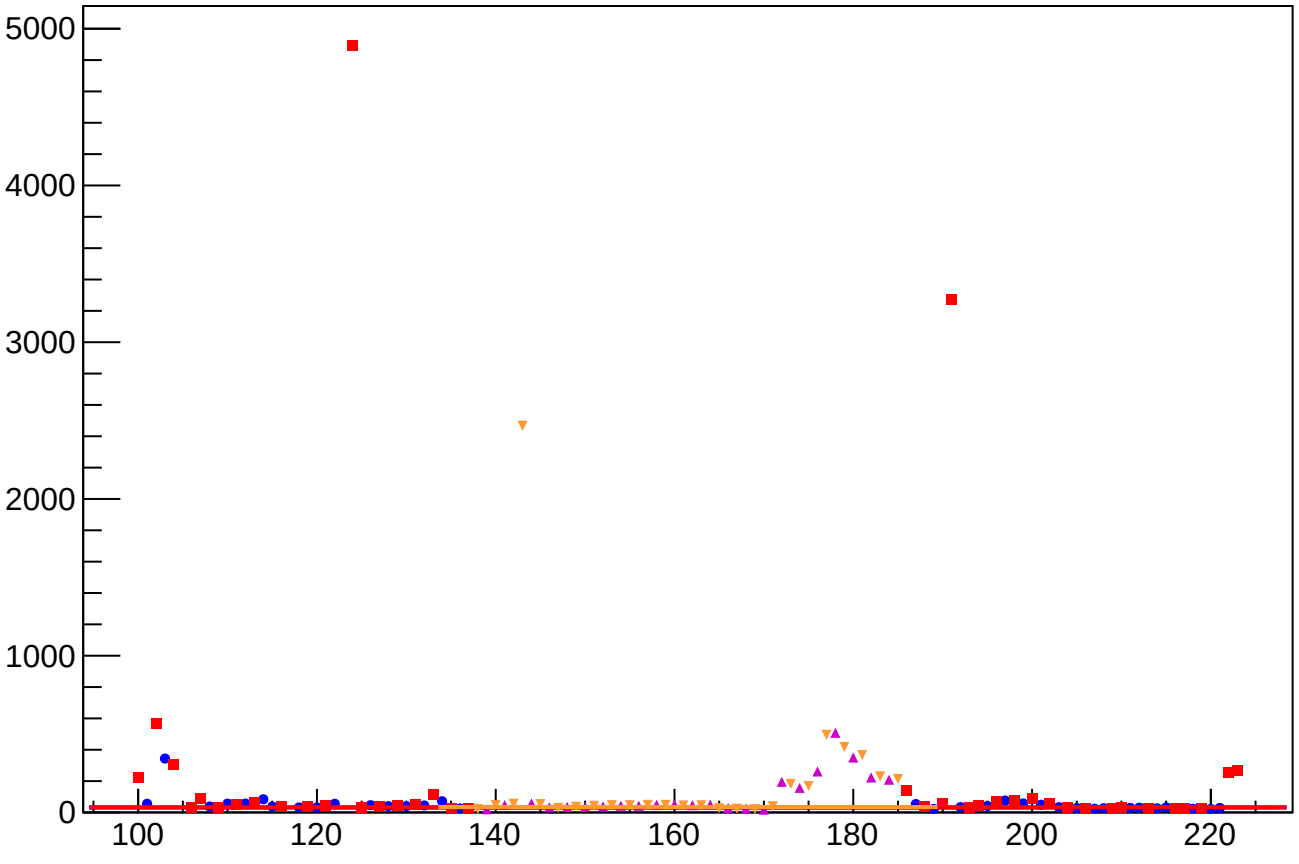
Right Out: -0.011+/-0.008 χ^2/NDF: 26.7/38

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.004+/-0.004 χ^2/NDF: 121.1/120

- sign -0.003+/-0.006 χ^2/NDF: 44.1/61



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

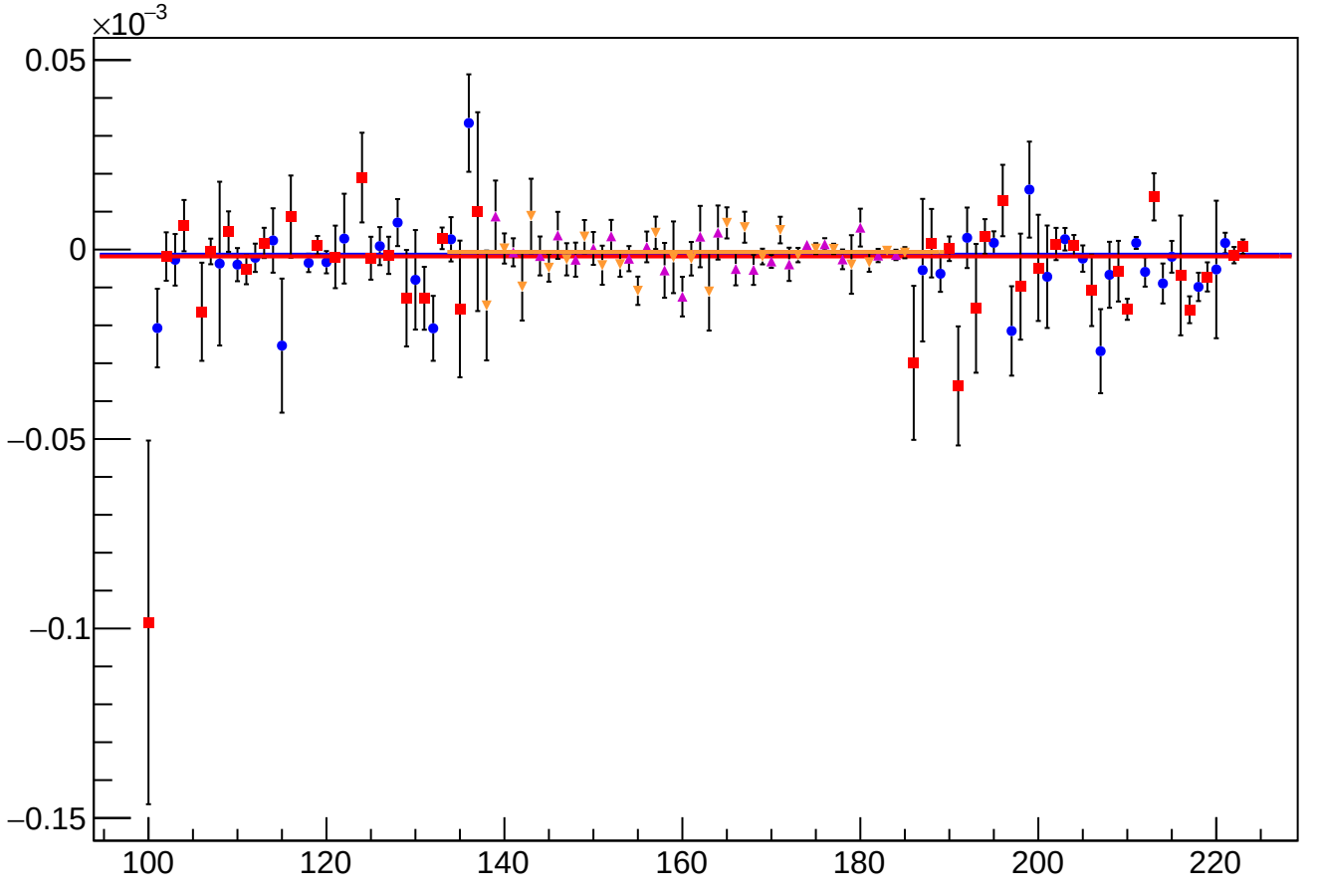
Right Out: 33.129+/-0.006 χ^2/NDF: 8631057.9/38

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.433+/-0.004 χ^2/NDF: 15727515.7/58

All: 32.859+/-0.003 χ^2/NDF: 34448509.4/120

- sign 33.324+/-0.005 χ^2/NDF: 18701046.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

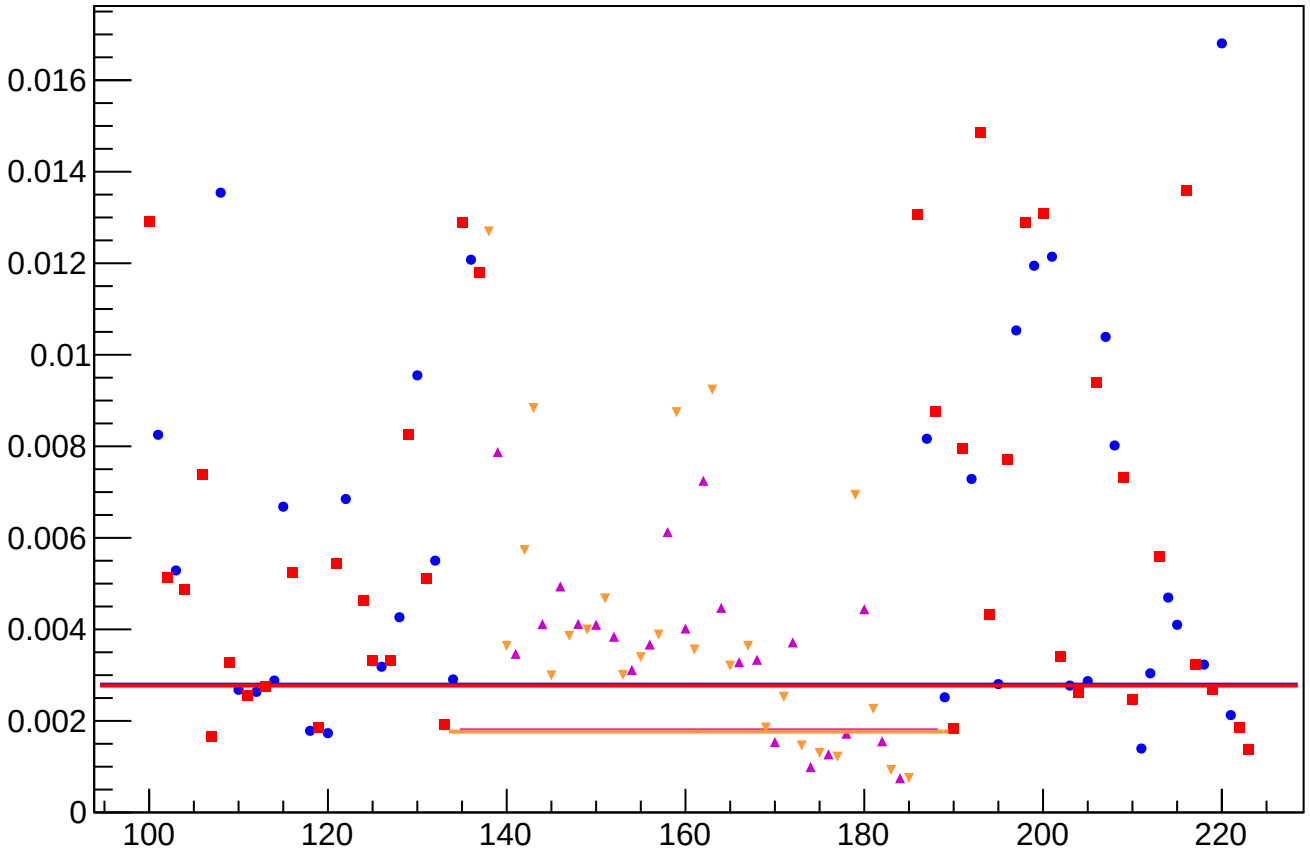
Right Out: -0.000+/-0.000 χ^2/NDF: 87.8/38

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/58

All: -0.000+/-0.000 χ^2/NDF: 192.1/120

- sign -0.000+/-0.000 χ^2/NDF: 111.4/61



Right In: 0.003+/-0.000 χ^2/NDF: 12866926.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

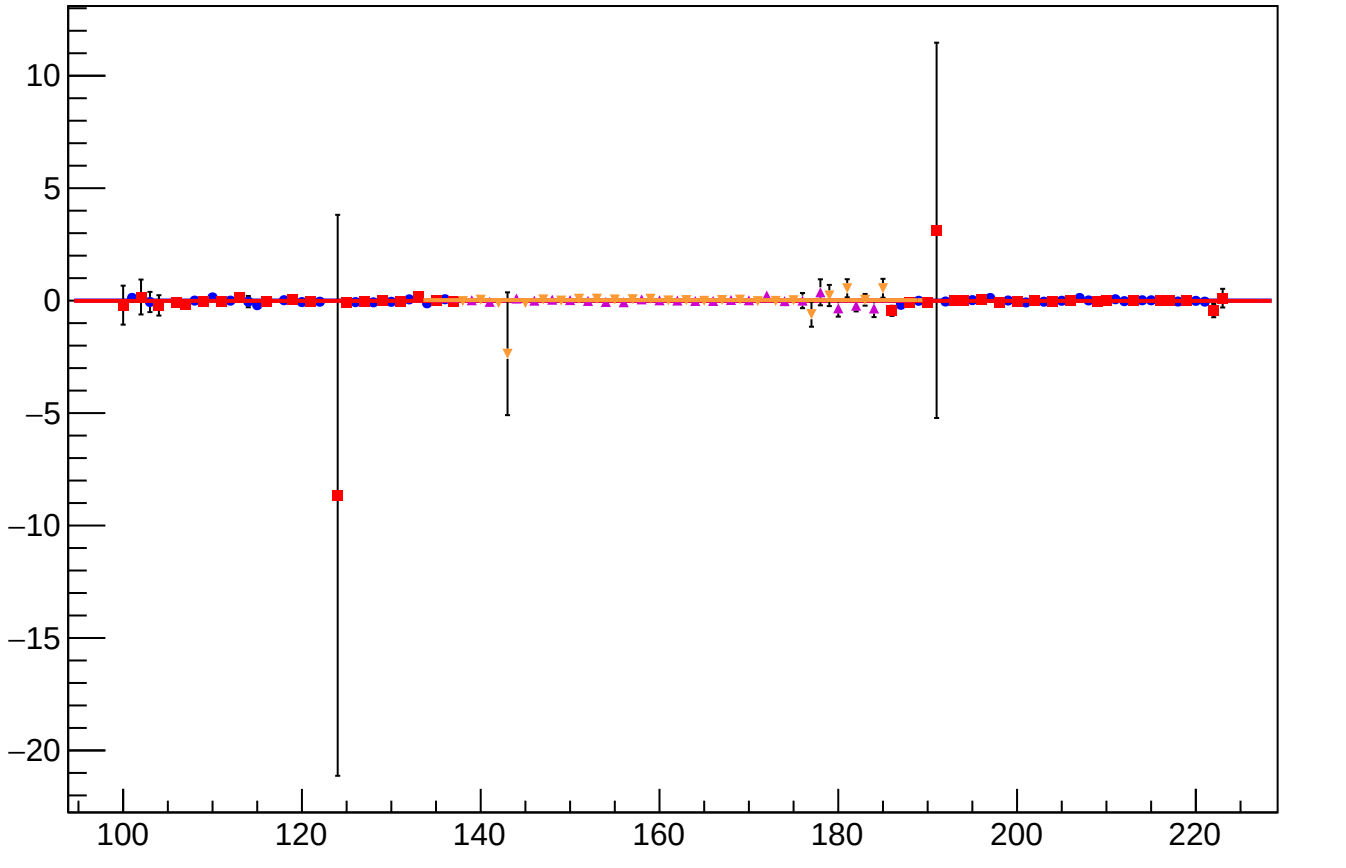
Right Out: 0.003+/-0.000 χ^2/NDF: 13543711.9/38

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 28334208.2/58

All: 0.002+/-0.000 χ^2/NDF: 55000886.5/120

- sign 0.002+/-0.000 χ^2/NDF: 26649419.7/61



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

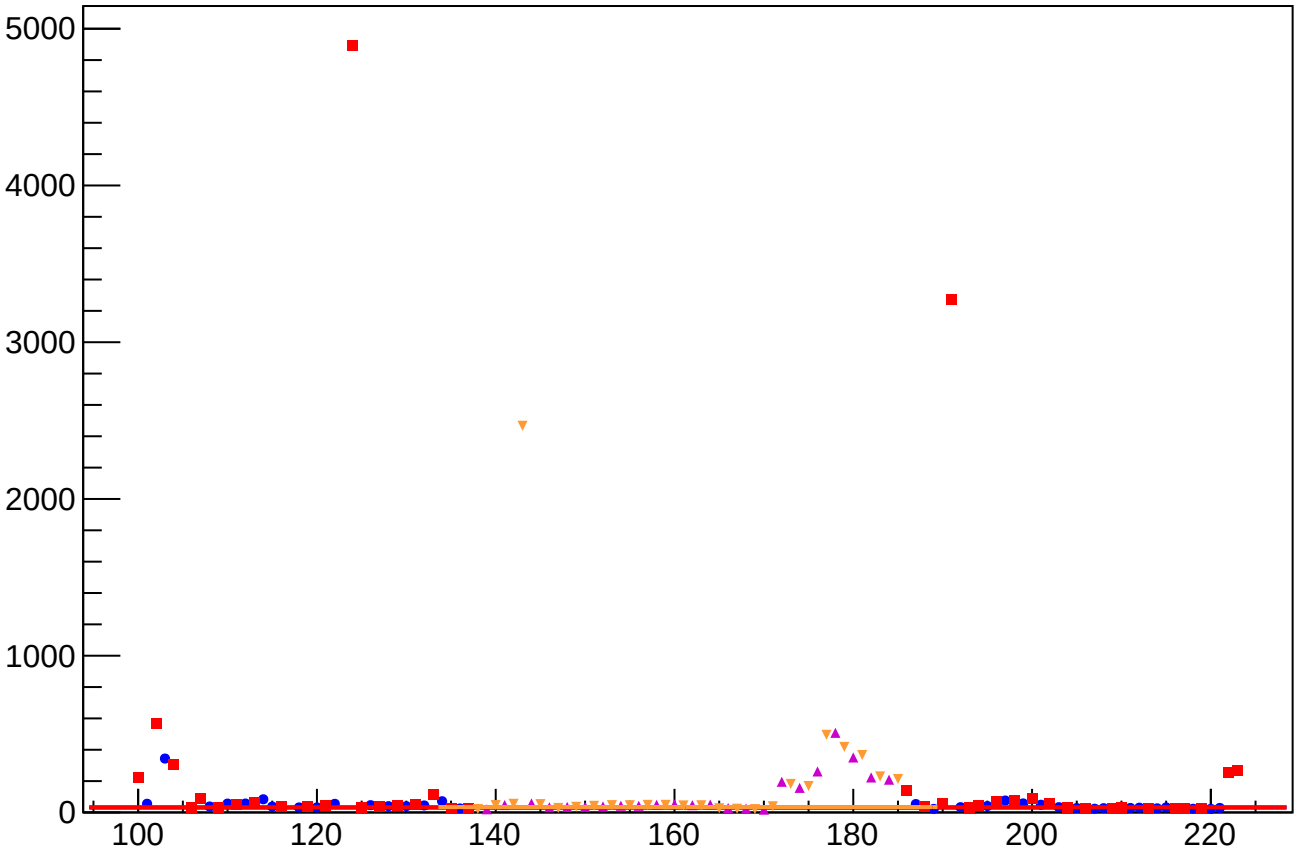
Right Out: -0.011+/-0.008 χ^2/NDF: 26.7/38

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.004+/-0.004 χ^2/NDF: 121.1/120

- sign -0.003+/-0.006 χ^2/NDF: 44.1/61



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

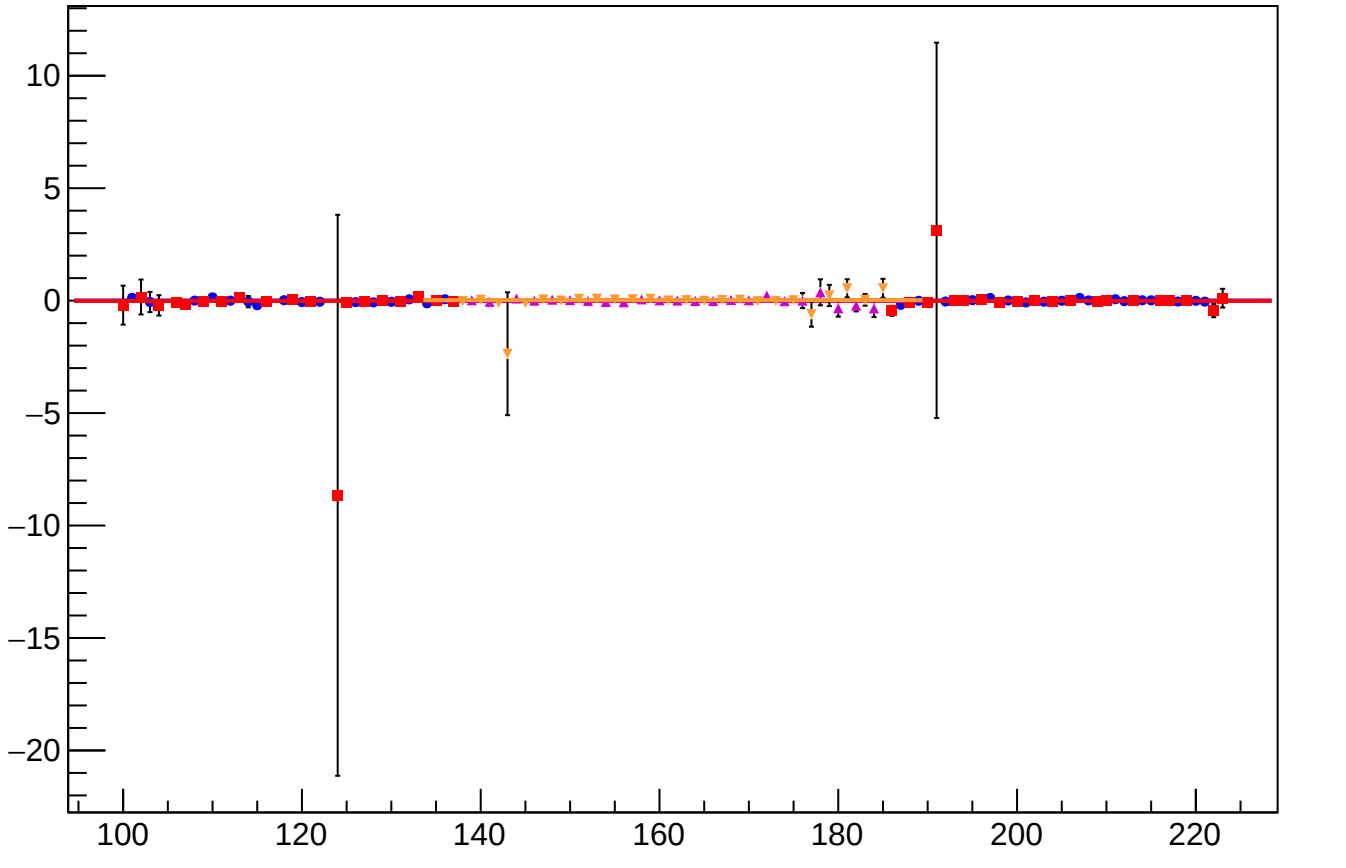
Right Out: 33.129+/-0.006 χ^2/NDF: 8630991.2/38

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.434+/-0.004 χ^2/NDF: 15726195.2/58

All: 32.860+/-0.003 χ^2/NDF: 34445866.6/120

- sign 33.325+/-0.005 χ^2/NDF: 18699731.3/61



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

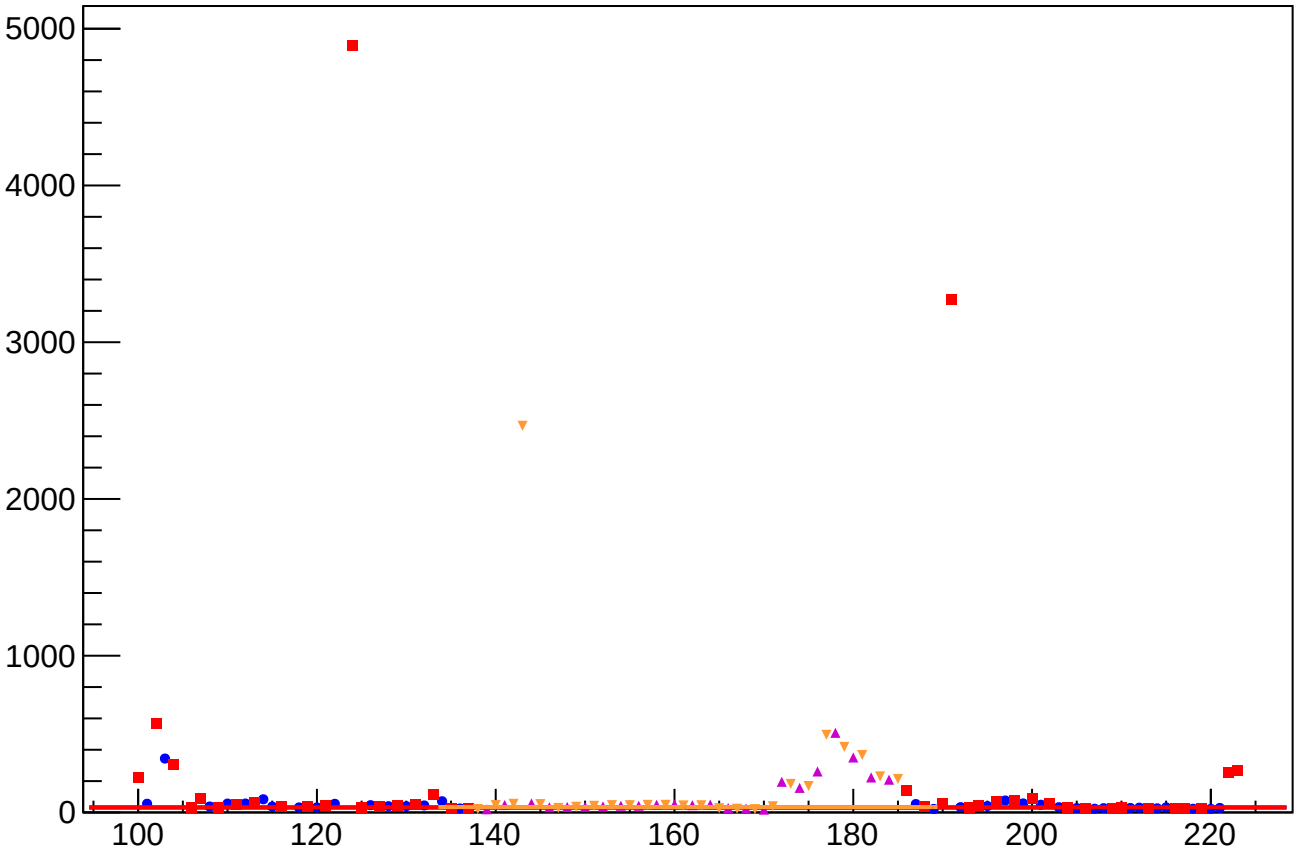
Right Out: -0.011+/-0.008 χ^2/NDF: 26.7/38

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.004+/-0.004 χ^2/NDF: 121.1/120

- sign -0.003+/-0.006 χ^2/NDF: 44.1/61



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

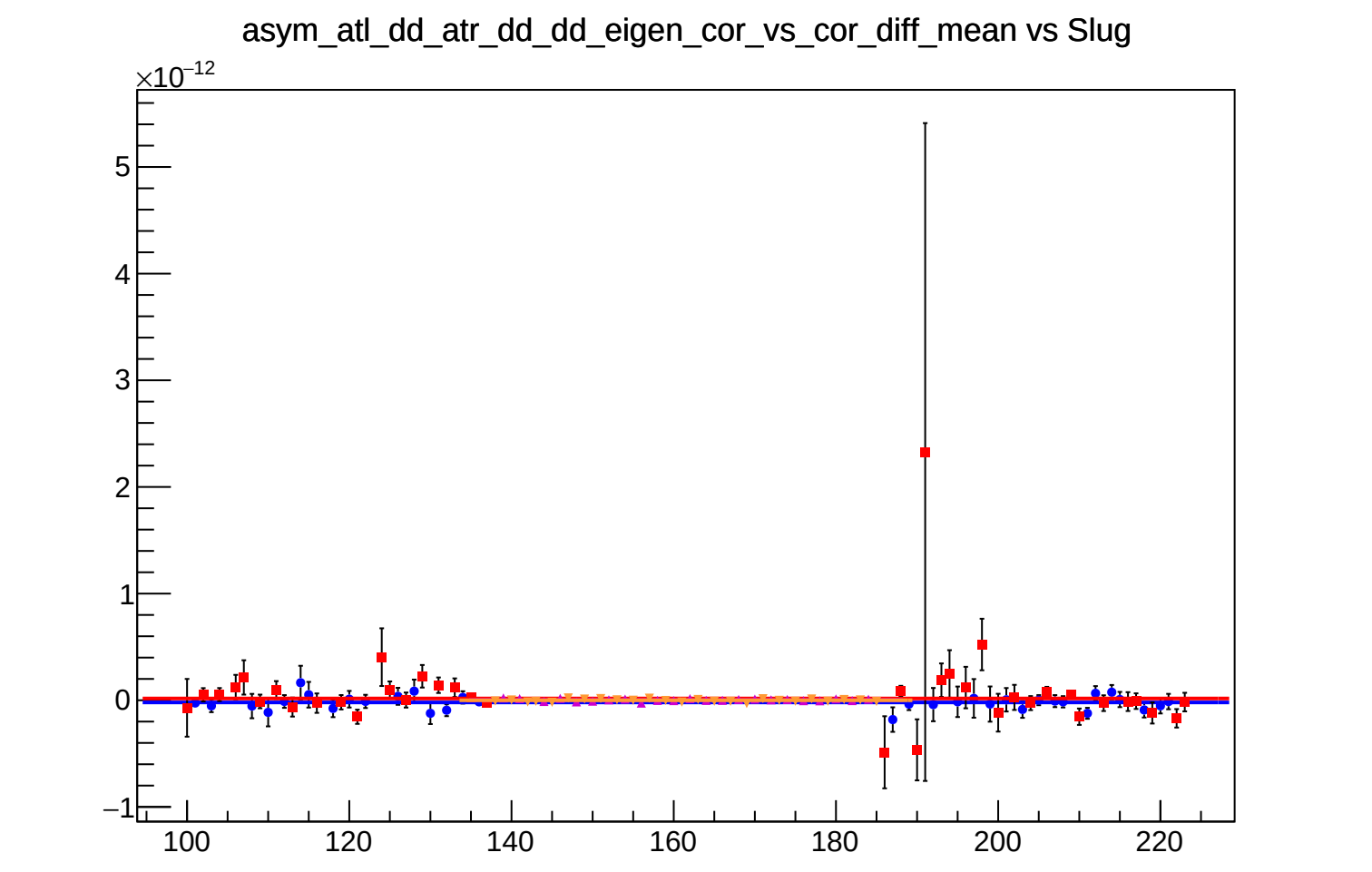
Right Out: 33.129+/-0.006 χ^2/NDF: 8630991.2/38

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.434+/-0.004 χ^2/NDF: 15726195.2/58

All: 32.860+/-0.003 χ^2/NDF: 34445866.6/120

- sign 33.325+/-0.005 χ^2/NDF: 18699731.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

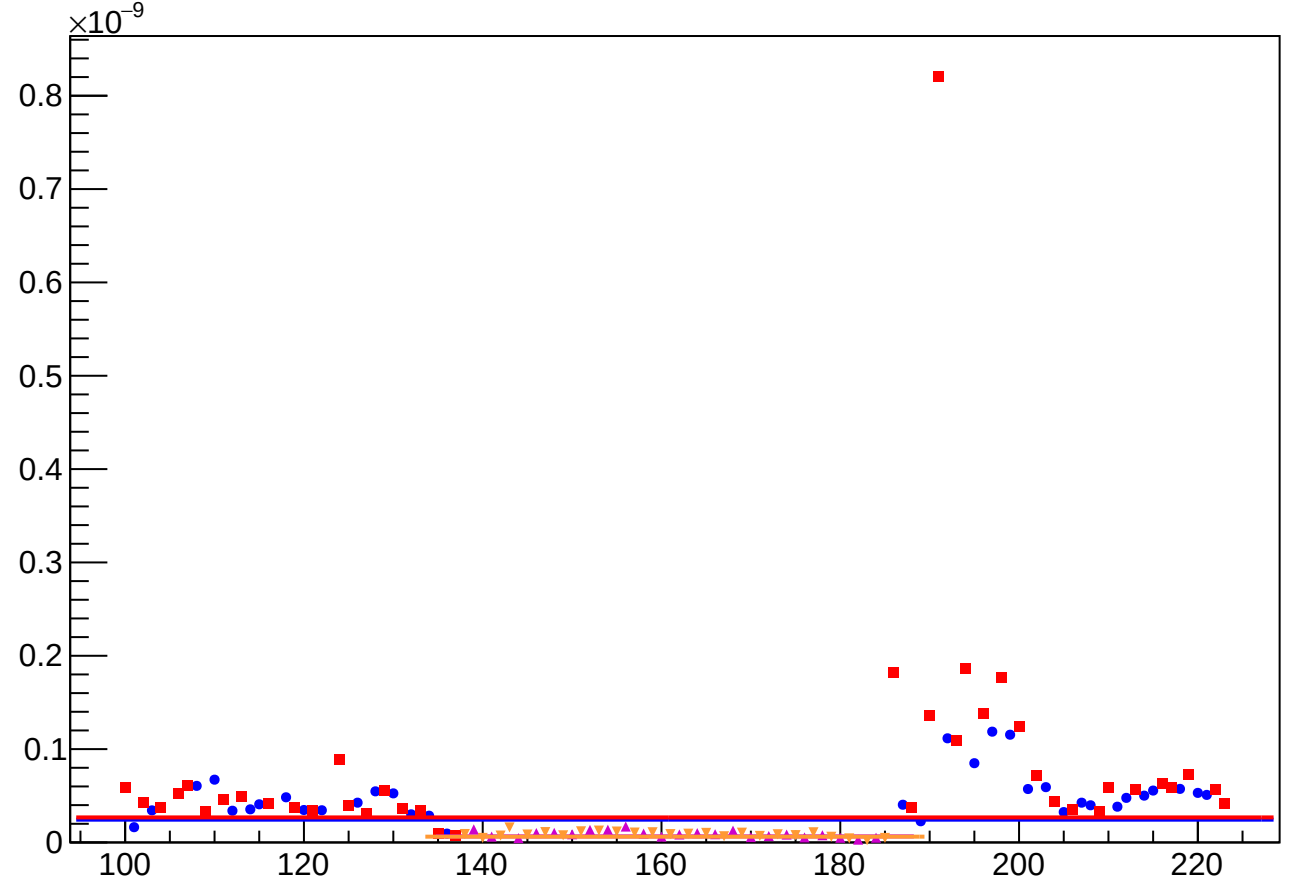
Right Out: 0.000+/-0.000 χ^2/NDF: 57.7/38

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/58

All: 0.000+/-0.000 χ^2/NDF: 133.7/120

- sign 0.000+/-0.000 χ^2/NDF: 79.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 9608803.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12011228.1/38

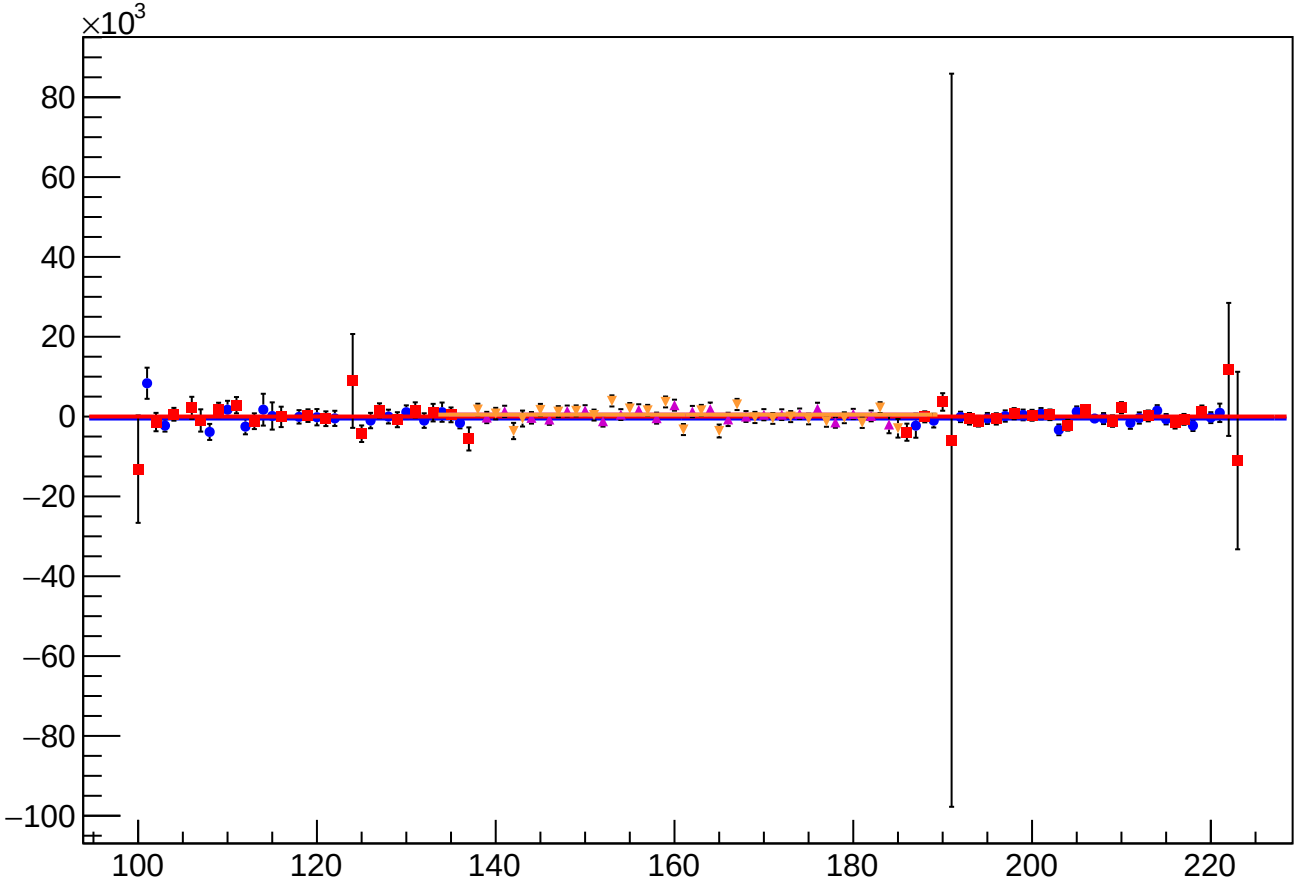
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 23302638.8/58

All: 0.000+/-0.000 χ^2/NDF: 48125476.2/120

- sign 0.000+/-0.000 χ^2/NDF: 24801729.4/61

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -487.178+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 12.019+/-281.907 χ^2/NDF: 34.2/38

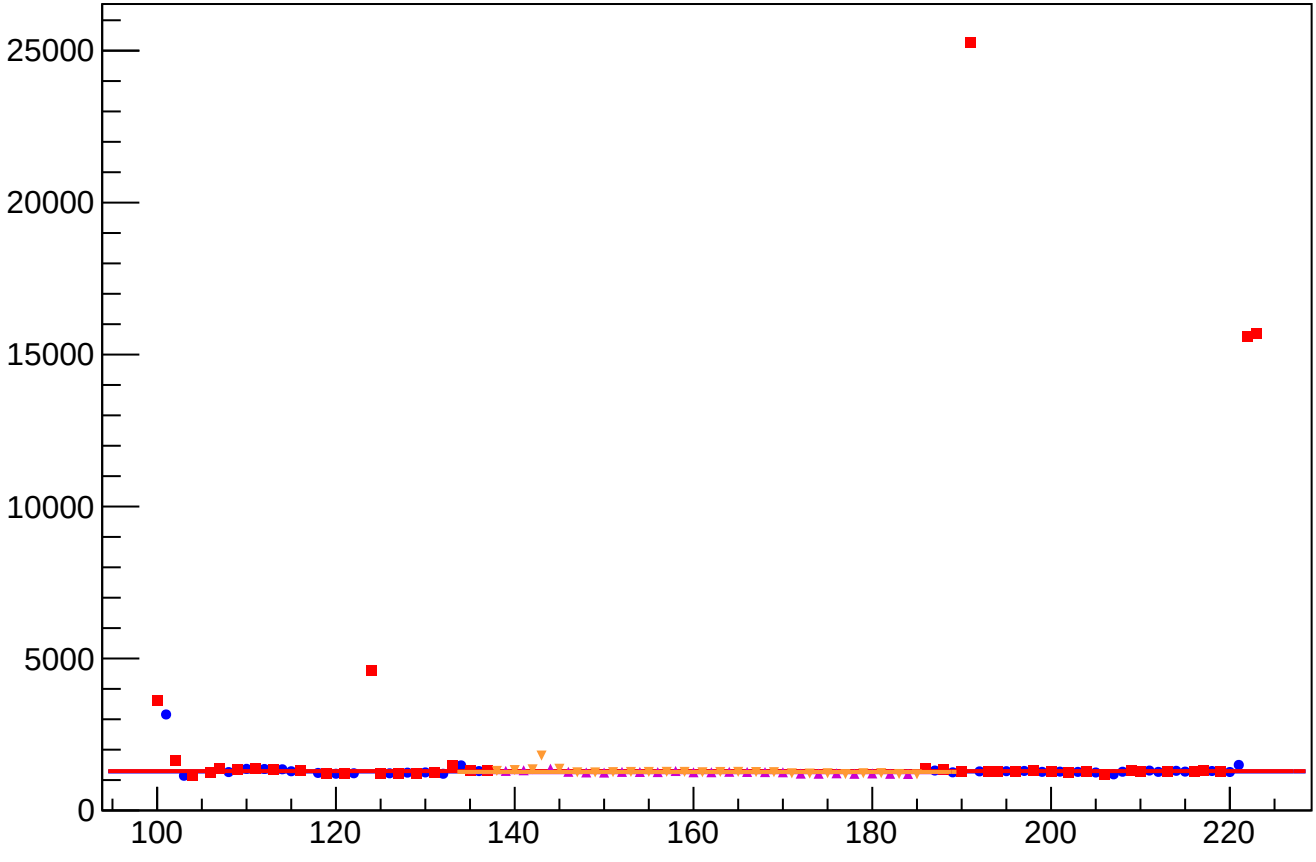
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -14.863+/-200.359 χ^2/NDF: 79.5/58

All: 110.471+/-142.739 χ^2/NDF: 130.3/120

- sign 239.641+/-203.403 χ^2/NDF: 50.0/61

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548621.5/33

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

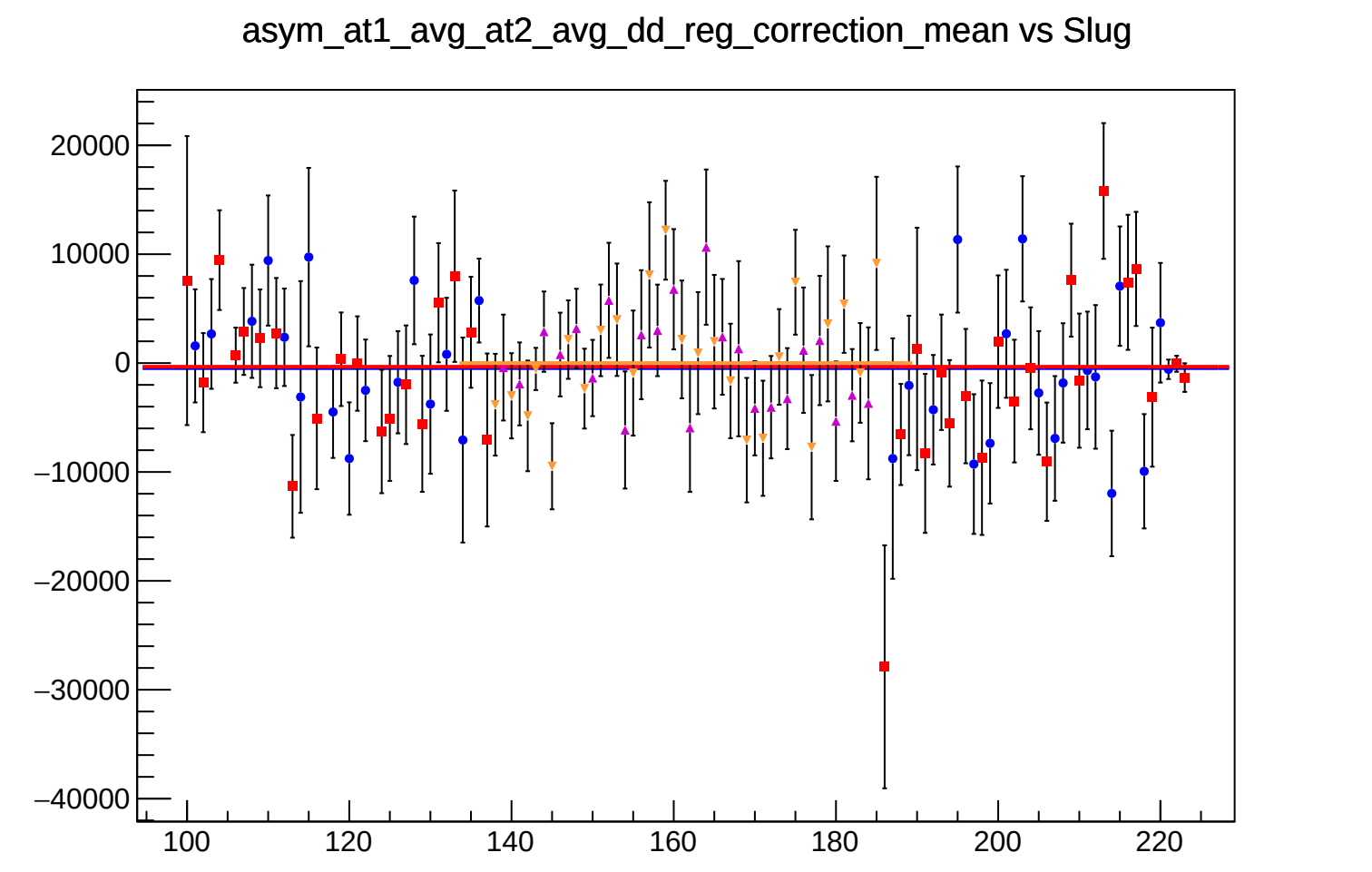
Right Out: 1294.888+/-0.199 χ^2/NDF: 2794245.7/38

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739020.3/58

All: 1275.890+/-0.101 χ^2/NDF: 3587033.7/12

- sign 1277.005+/-0.144 χ^2/NDF: 2847894.9/61



Right In: -464.733+/-656.771 χ^2/NDF: 38.6/33

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

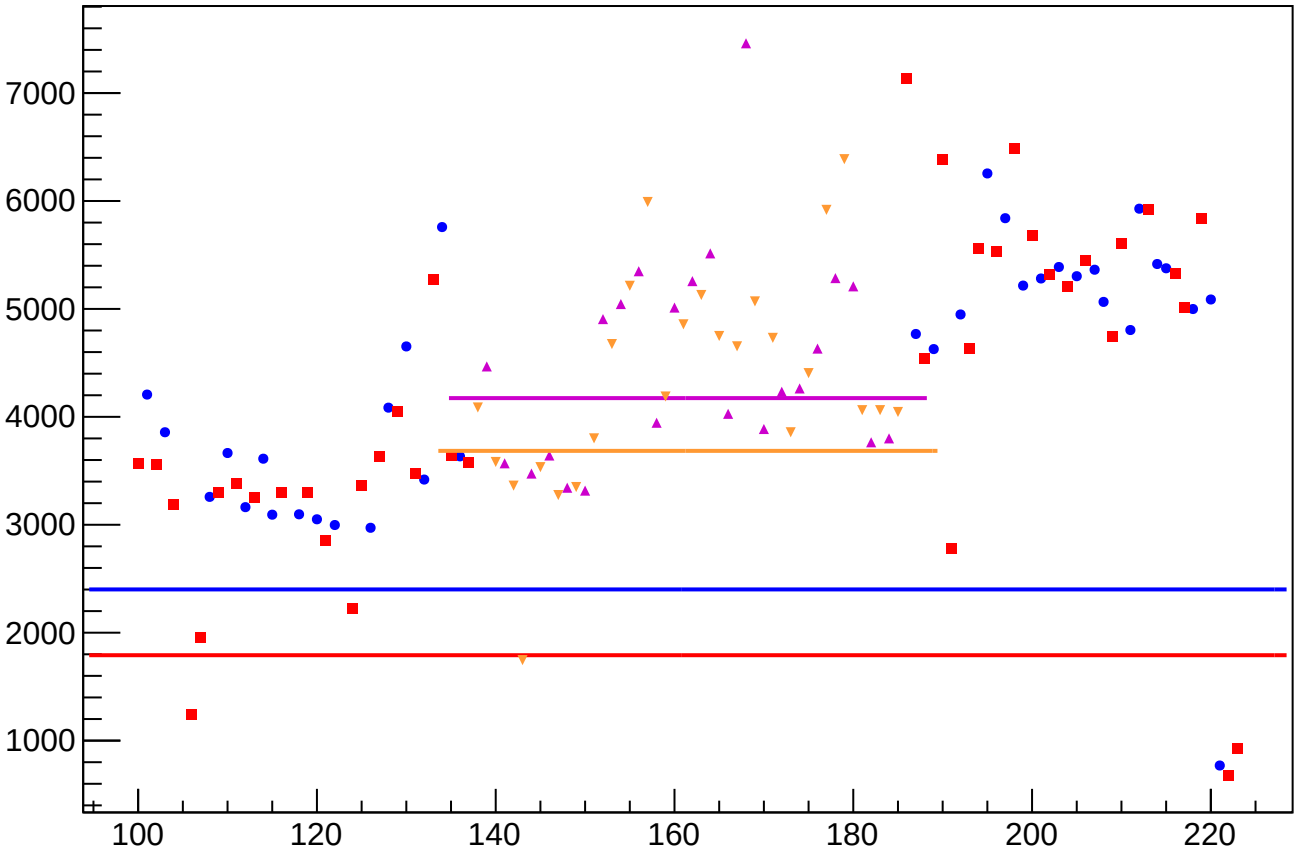
Right Out: -333.408+/-518.067 χ^2/NDF: 47.6/38

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -300.258+/-527.721 χ^2/NDF: 67.8/58

All: -282.522+/-346.562 χ^2/NDF: 129.5/120

- sign -269.073+/-459.546 χ^2/NDF: 61.7/61



Right In: 2400.923+/-0.464 χ^2/NDF: 16646929.0/33

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 1791.388+/-0.366 χ^2/NDF: 21100841.1/38

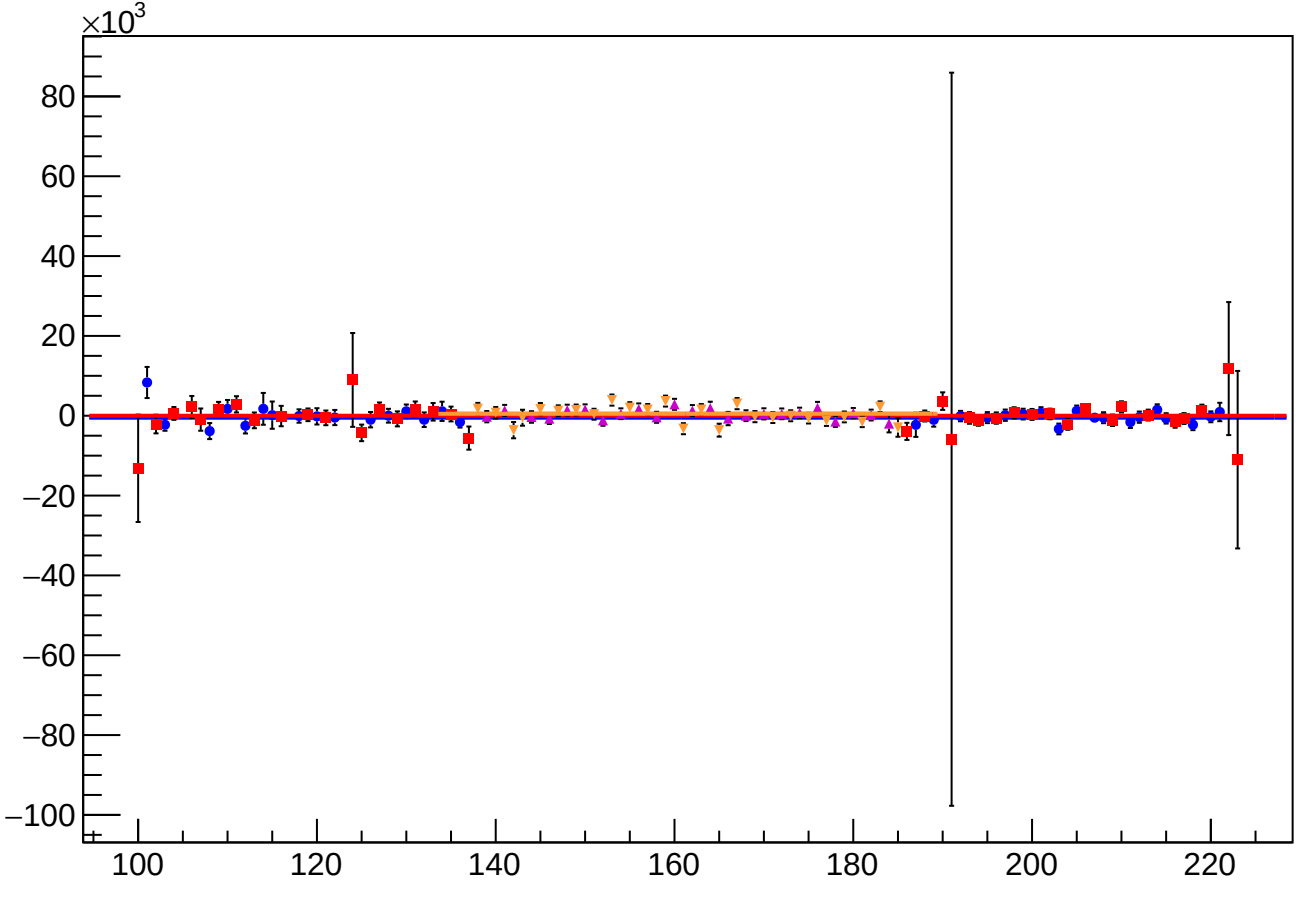
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 2855.885+/-0.373 χ^2/NDF: 23048835.8/58

All: 2539.269+/-0.245 χ^2/NDF: 55704362.1/1

\- sign 2299.174+/-0.325 χ^2/NDF: 31389665.9/61

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 2.334+/-281.970 χ^2/NDF: 34.7/38

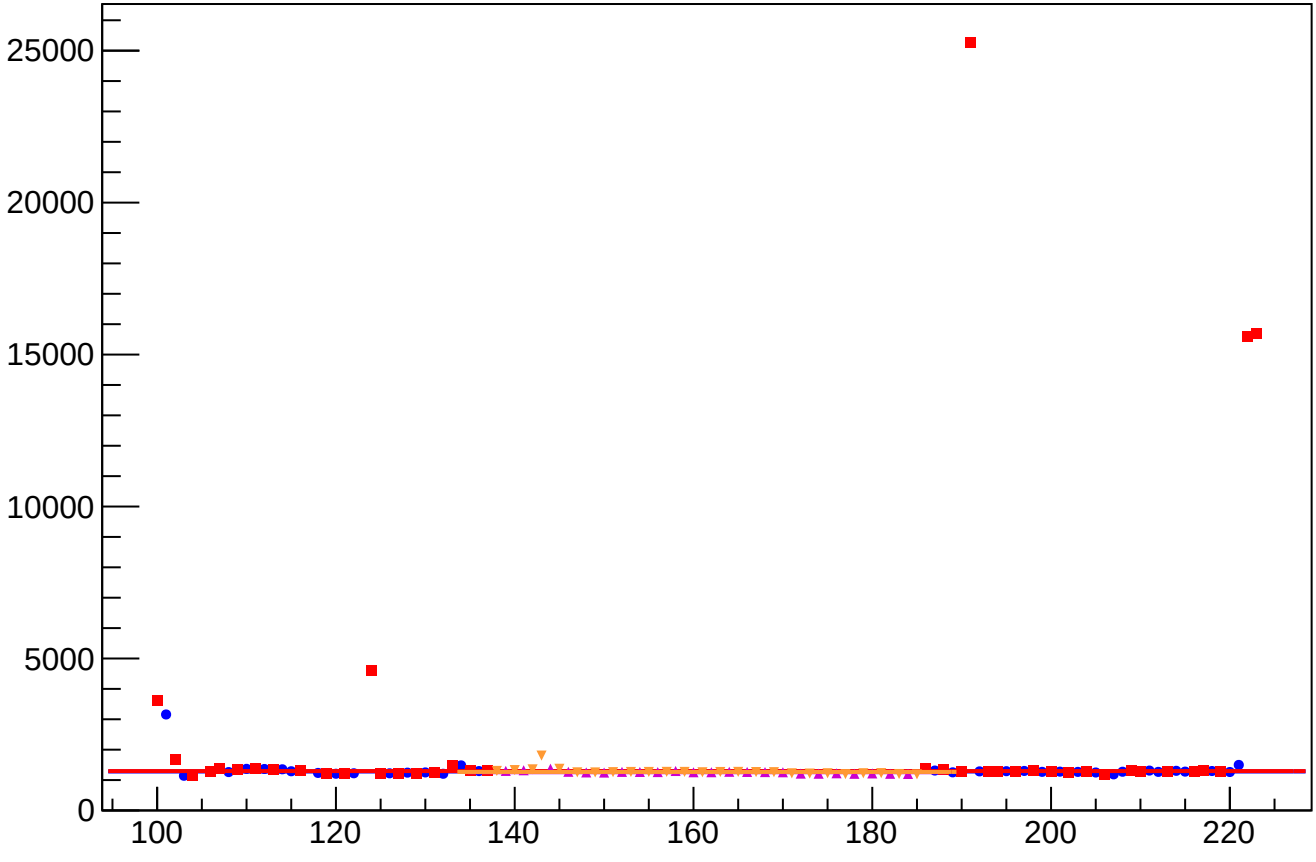
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.947+/-142.747 χ^2/NDF: 130.7/120

- sign 234.604+/-203.426 χ^2/NDF: 50.5/61

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

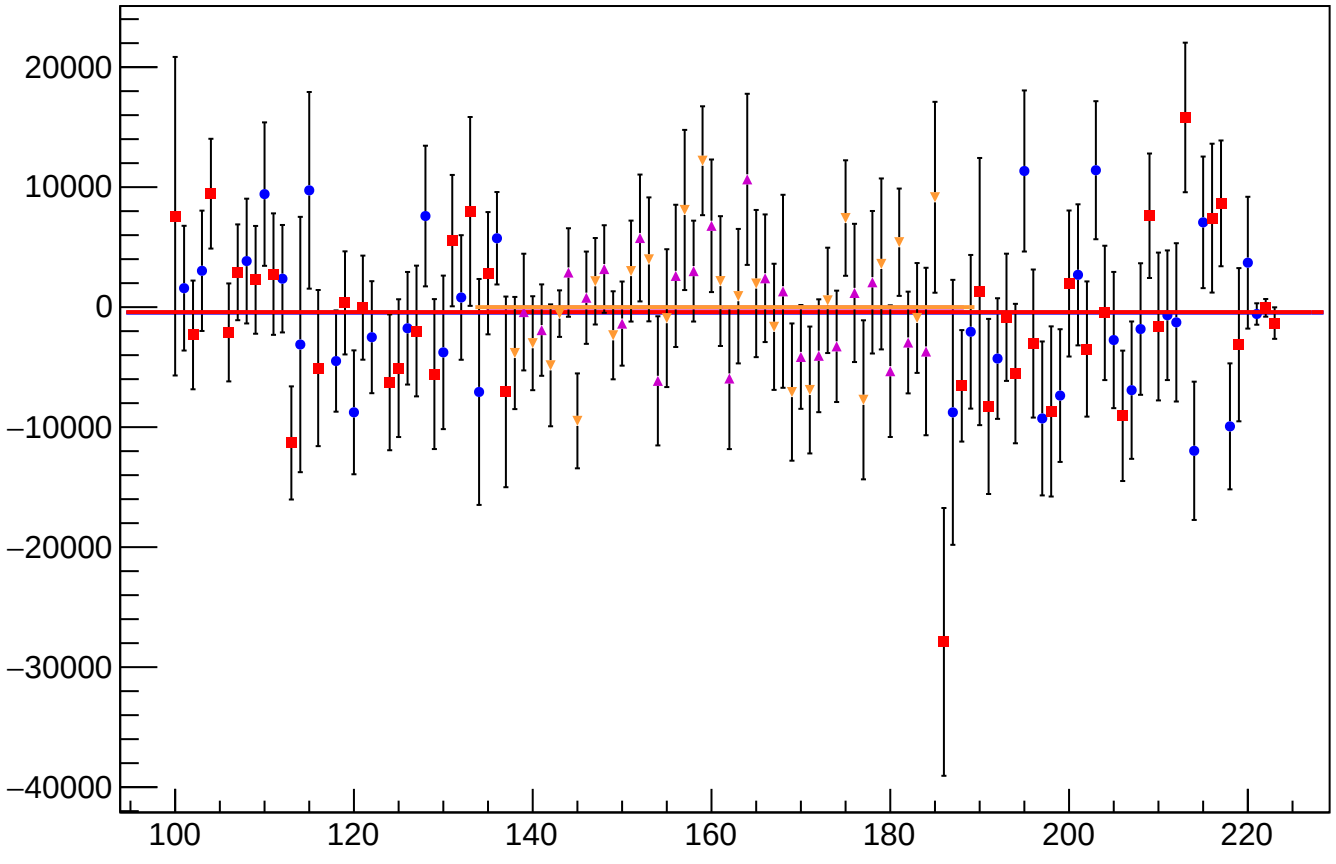
Right Out: 1295.563+/-0.199 χ^2/NDF: 2800930.2/38

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

- sign 1277.348+/-0.144 χ^2/NDF: 2855185.5/61



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

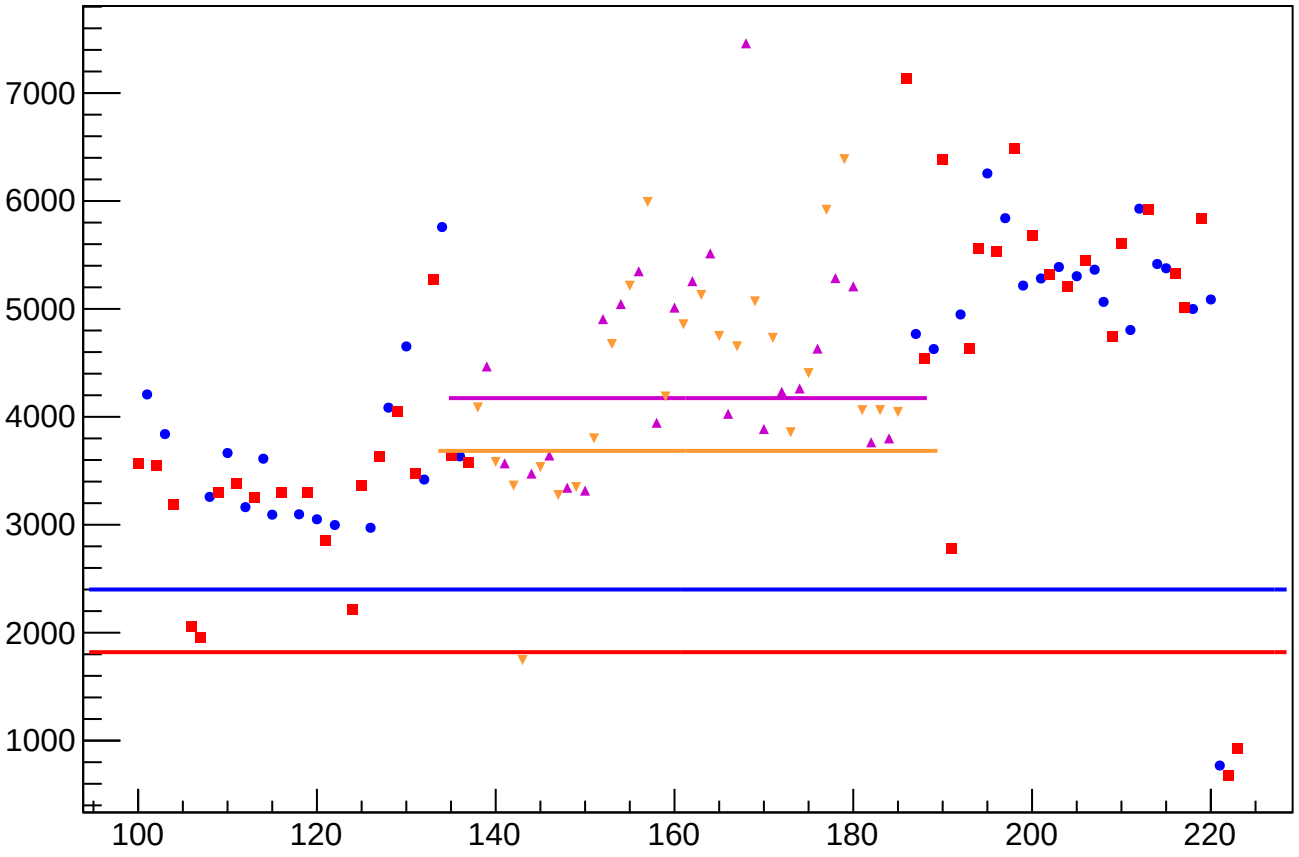
Right Out: -412.600+/-524.842 χ^2/NDF: 47.6/38

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -314.884+/-348.545 χ^2/NDF: 129.7/120

- sign -329.712+/-464.255 χ^2/NDF: 61.8/61



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

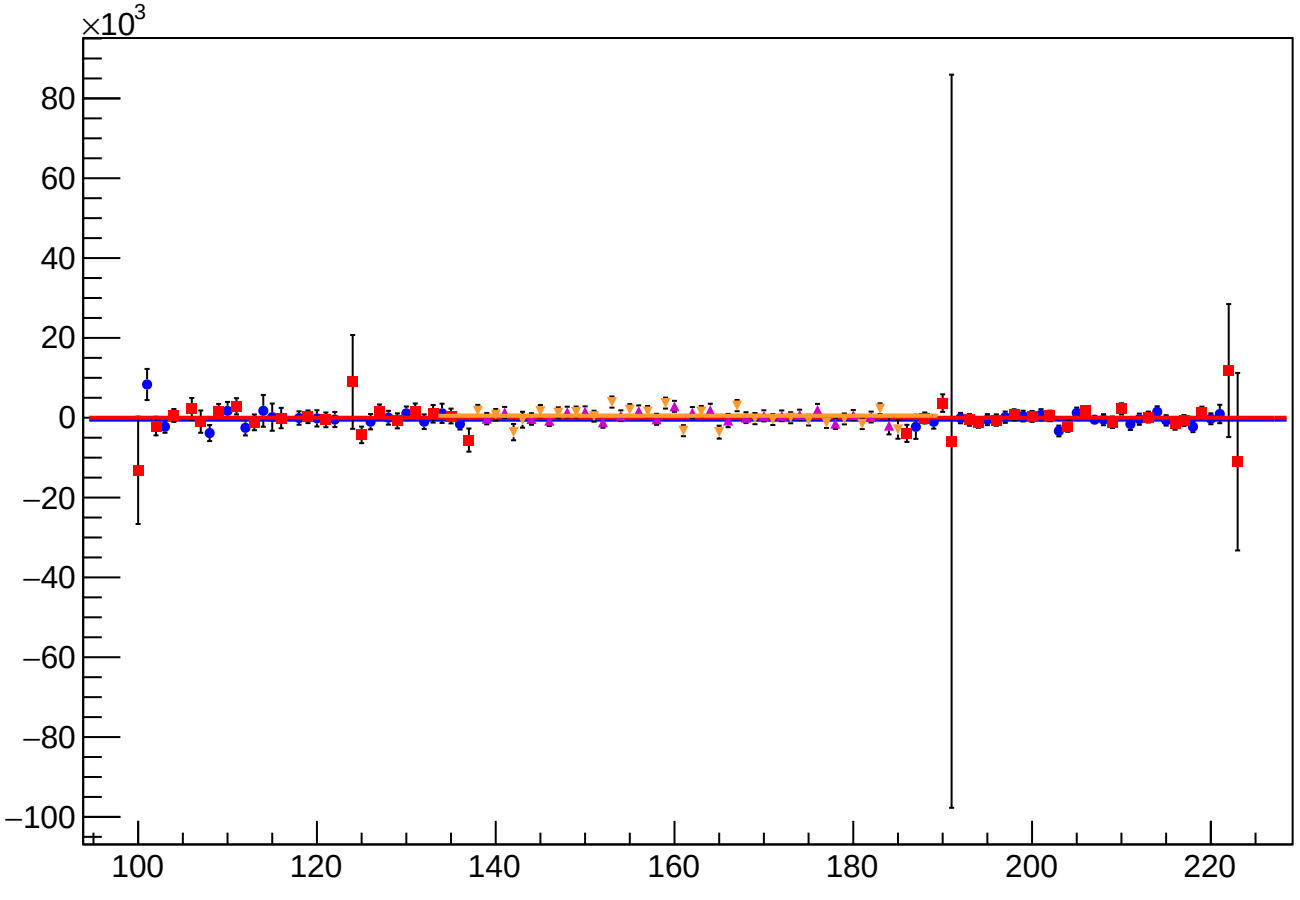
Right Out: 1819.492+/-0.371 χ^2/NDF: 21007788.1/38

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/1

- sign 2331.623+/-0.328 χ^2/NDF: 31036033.5/61



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 2.334+/-281.970 χ^2/NDF: 34.7/38

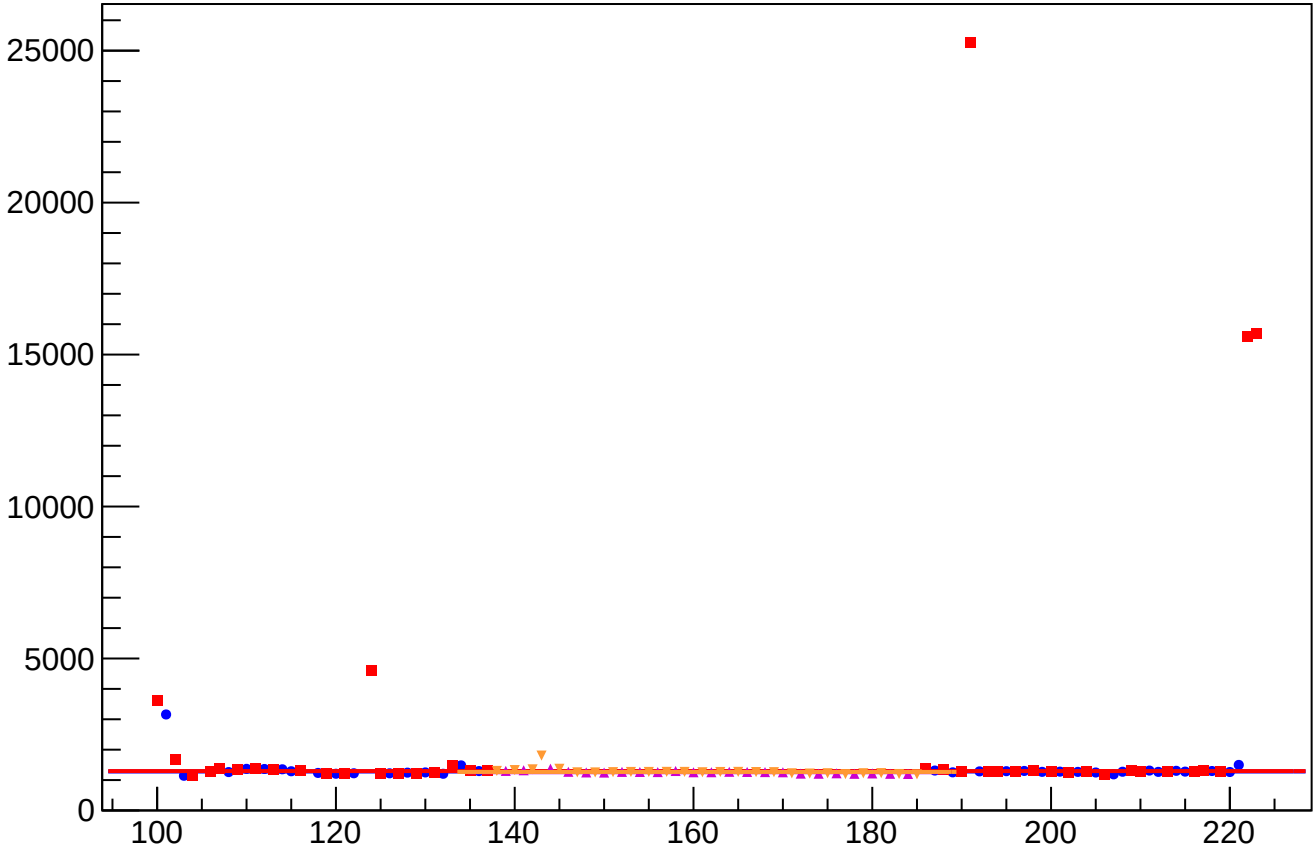
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.947+/-142.747 χ^2/NDF: 130.7/120

\- sign 234.604+/-203.426 χ^2/NDF: 50.5/61

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

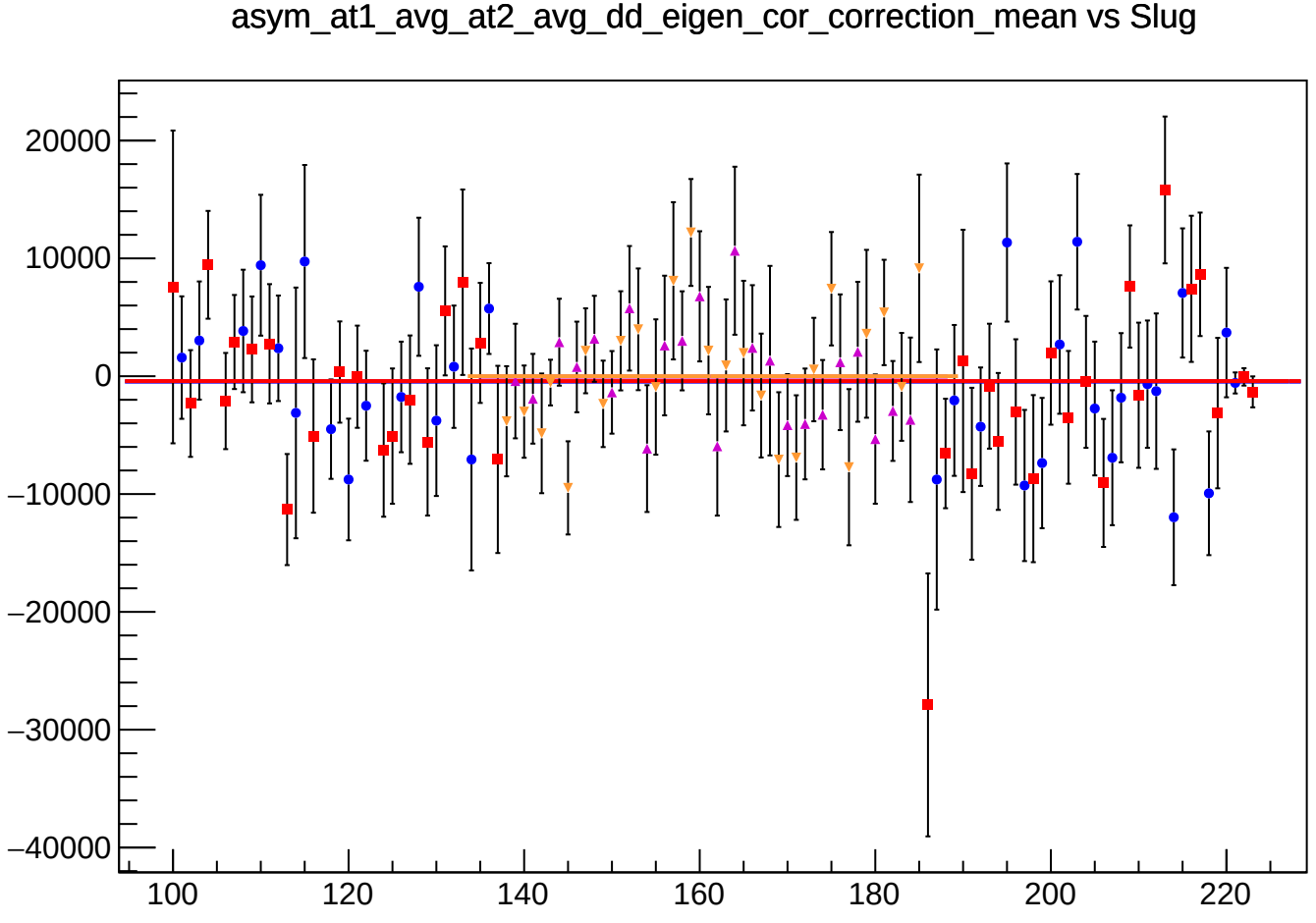
Right Out: 1295.563+/-0.199 χ^2/NDF: 2800930.2/38

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

- sign 1277.348+/-0.144 χ^2/NDF: 2855185.5/61



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

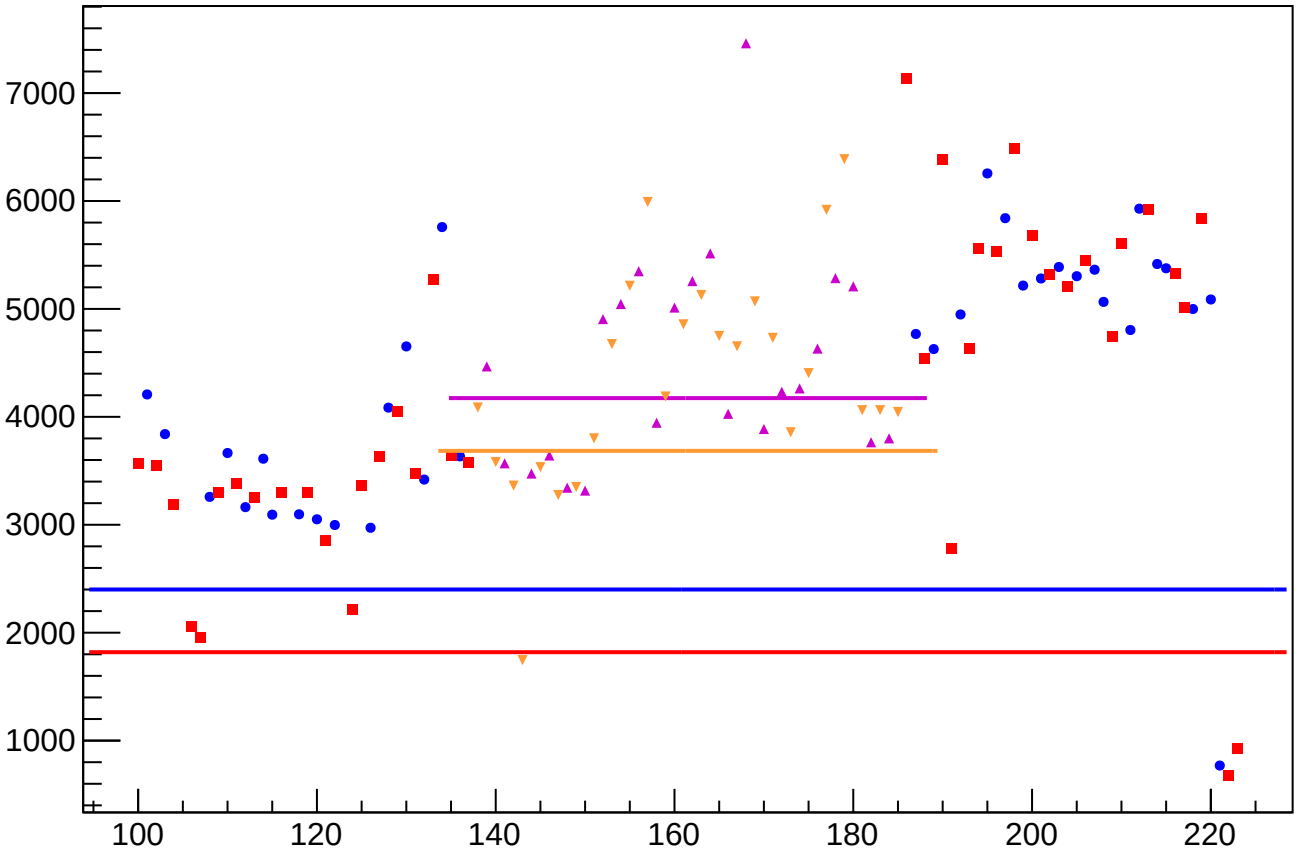
Right Out: -412.600+/-524.842 χ^2/NDF: 47.6/38

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

\+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -314.884+/-348.545 χ^2/NDF: 129.7/120

\- sign -329.712+/-464.255 χ^2/NDF: 61.8/61



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

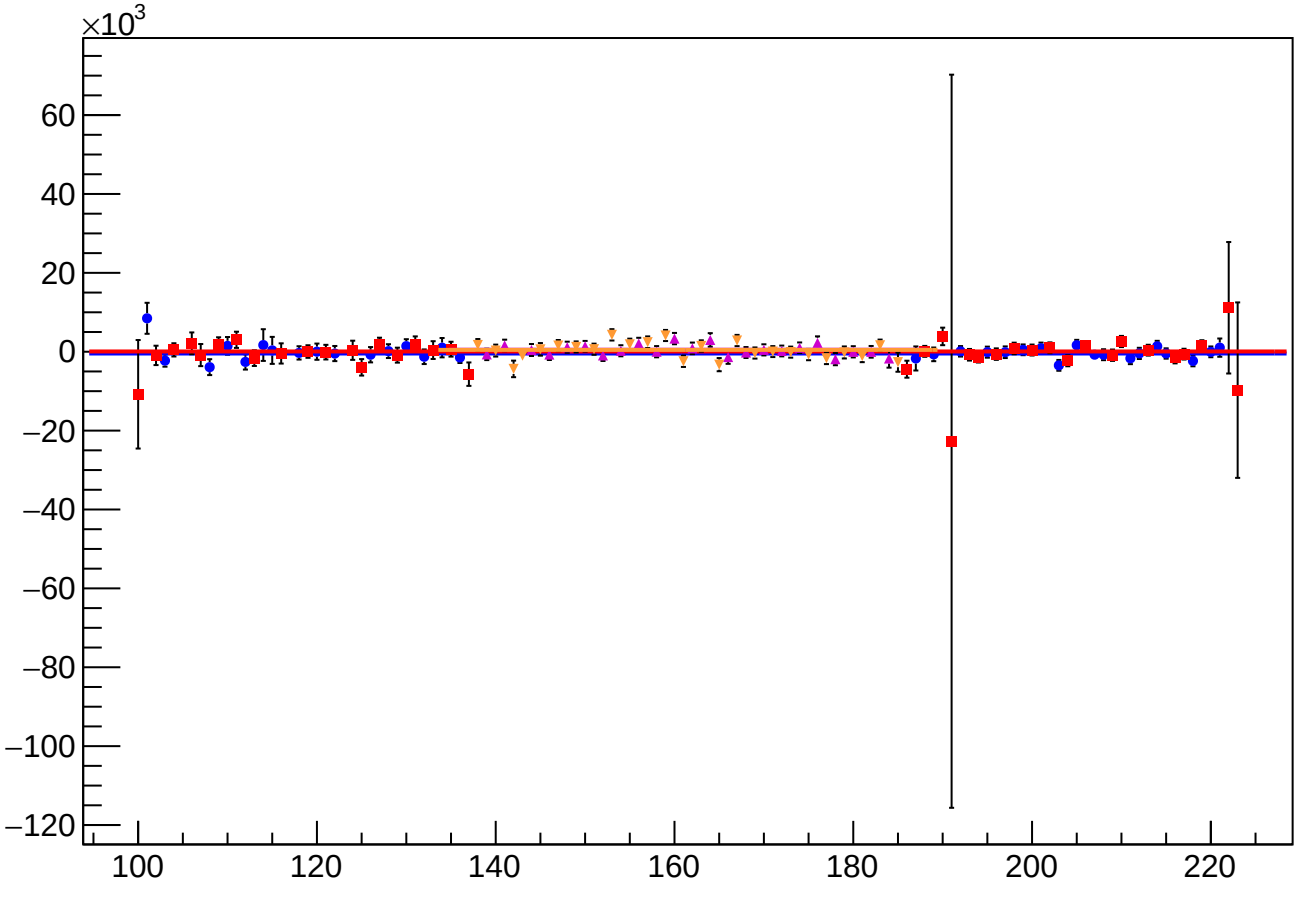
Right Out: 1819.492+/-0.371 χ^2/NDF: 21007788.1/38

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/1

- sign 2331.623+/-0.328 χ^2/NDF: 31036033.5/61



Right In: -448.114+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 67.858+/-284.000 χ^2/NDF: 35.8/38

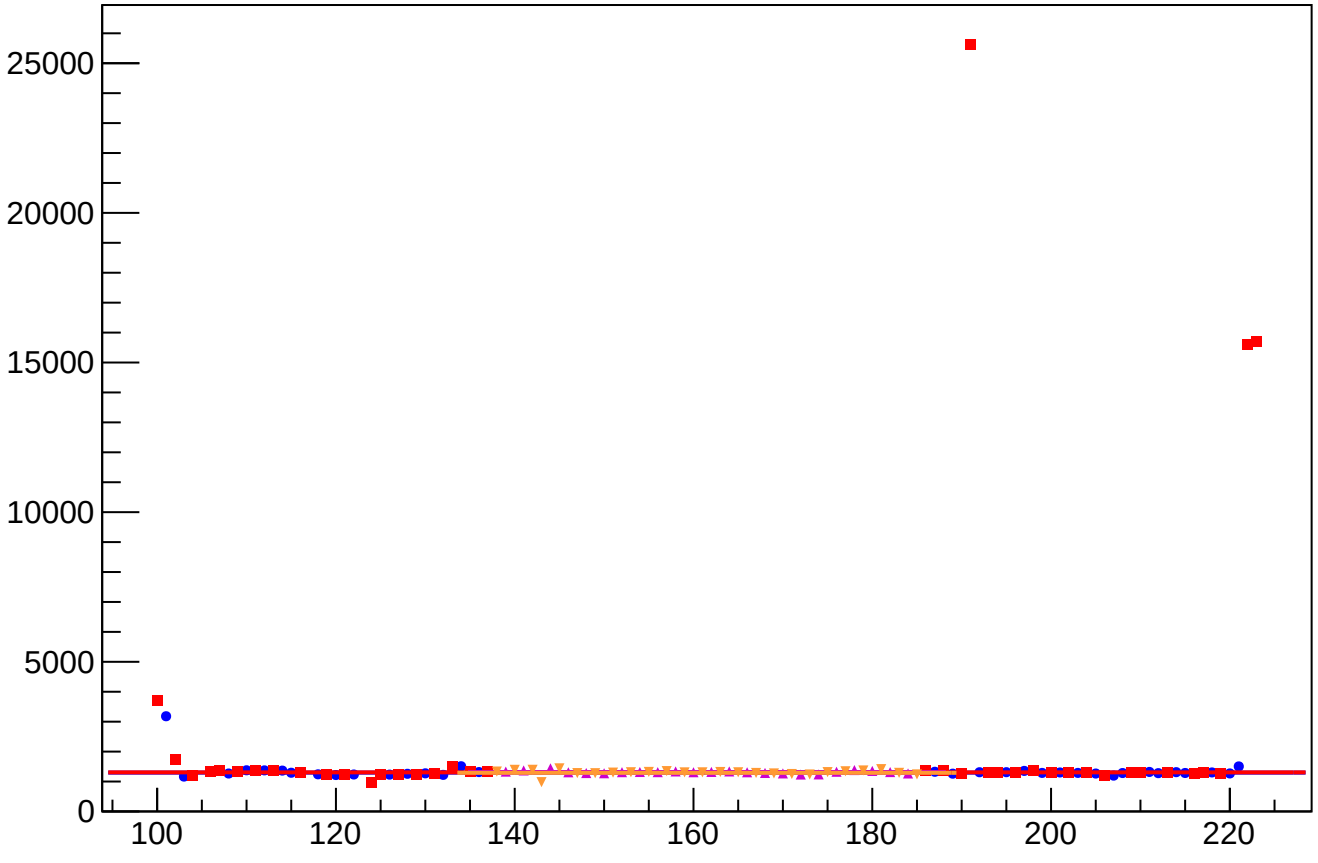
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign -9.940+/-203.513 χ^2/NDF: 77.2/58

All: 126.032+/-145.634 χ^2/NDF: 132.4/120

- sign 268.739+/-208.493 χ^2/NDF: 54.3/61

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.8/33

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

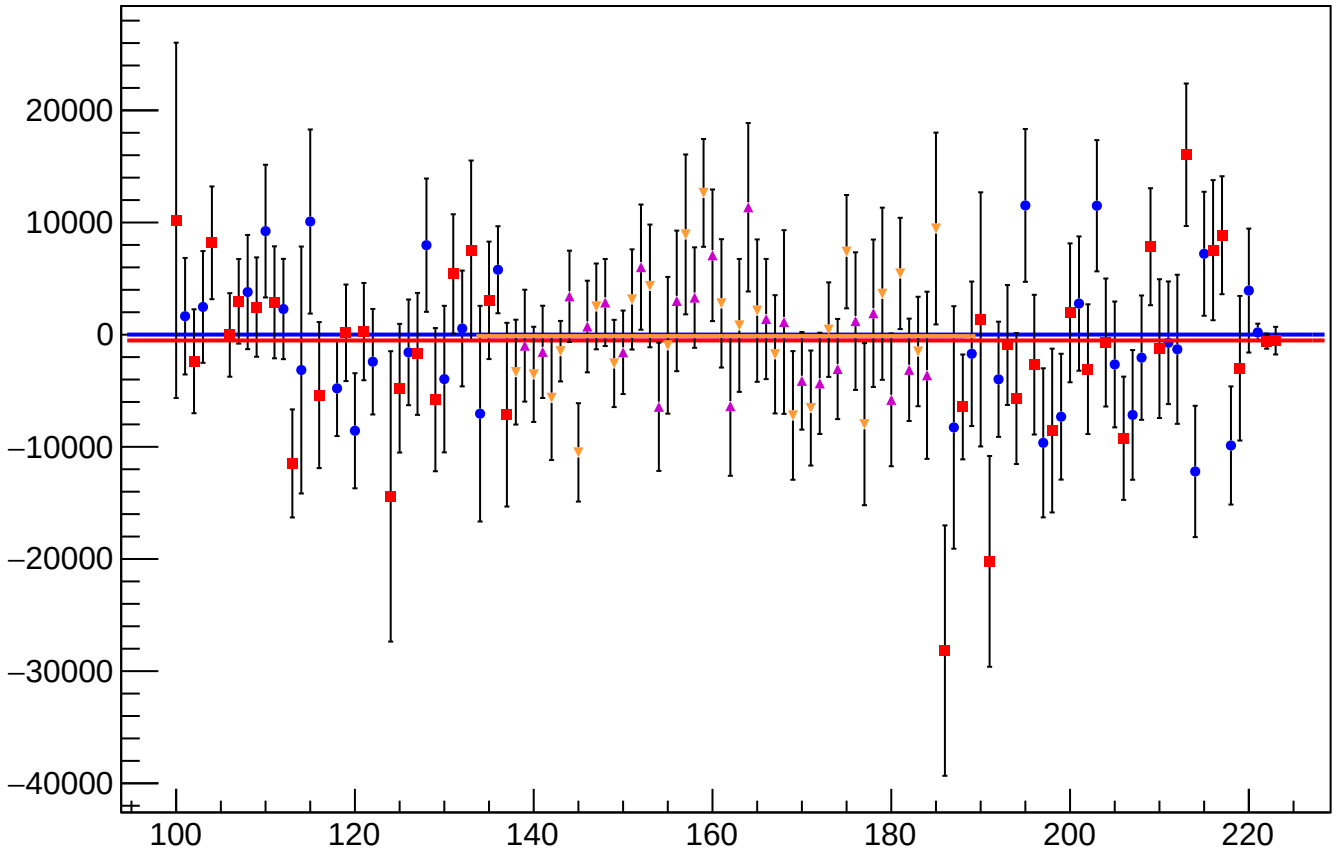
Right Out: 1306.040+/-0.201 χ^2/NDF: 2686655.6/38

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.351+/-0.144 χ^2/NDF: 778438.5/58

All: 1301.847+/-0.103 χ^2/NDF: 3514424.4/12

- sign 1309.712+/-0.147 χ^2/NDF: 2730425.9/61



Right In: 8.316+/-607.722 χ^2/NDF: 38.6/33

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

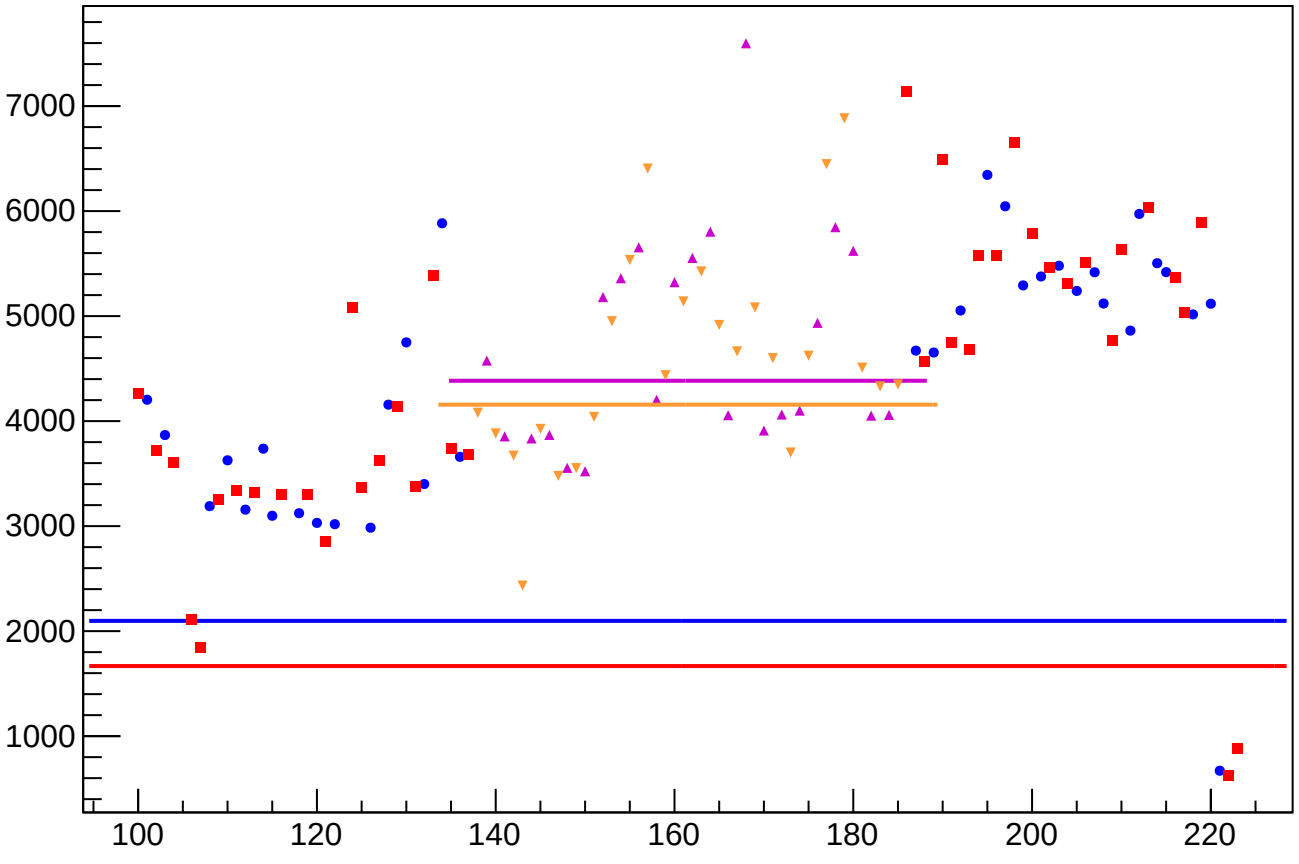
Right Out: -515.576+/-497.624 χ^2/NDF: 48.5/38

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -29.498+/-516.069 χ^2/NDF: 67.2/58

All: -268.569+/-338.878 χ^2/NDF: 130.0/120

- sign -449.801+/-449.325 χ^2/NDF: 62.4/61



Right In: 2097.688+/-0.430 χ^2/NDF: 19570960.5/33

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

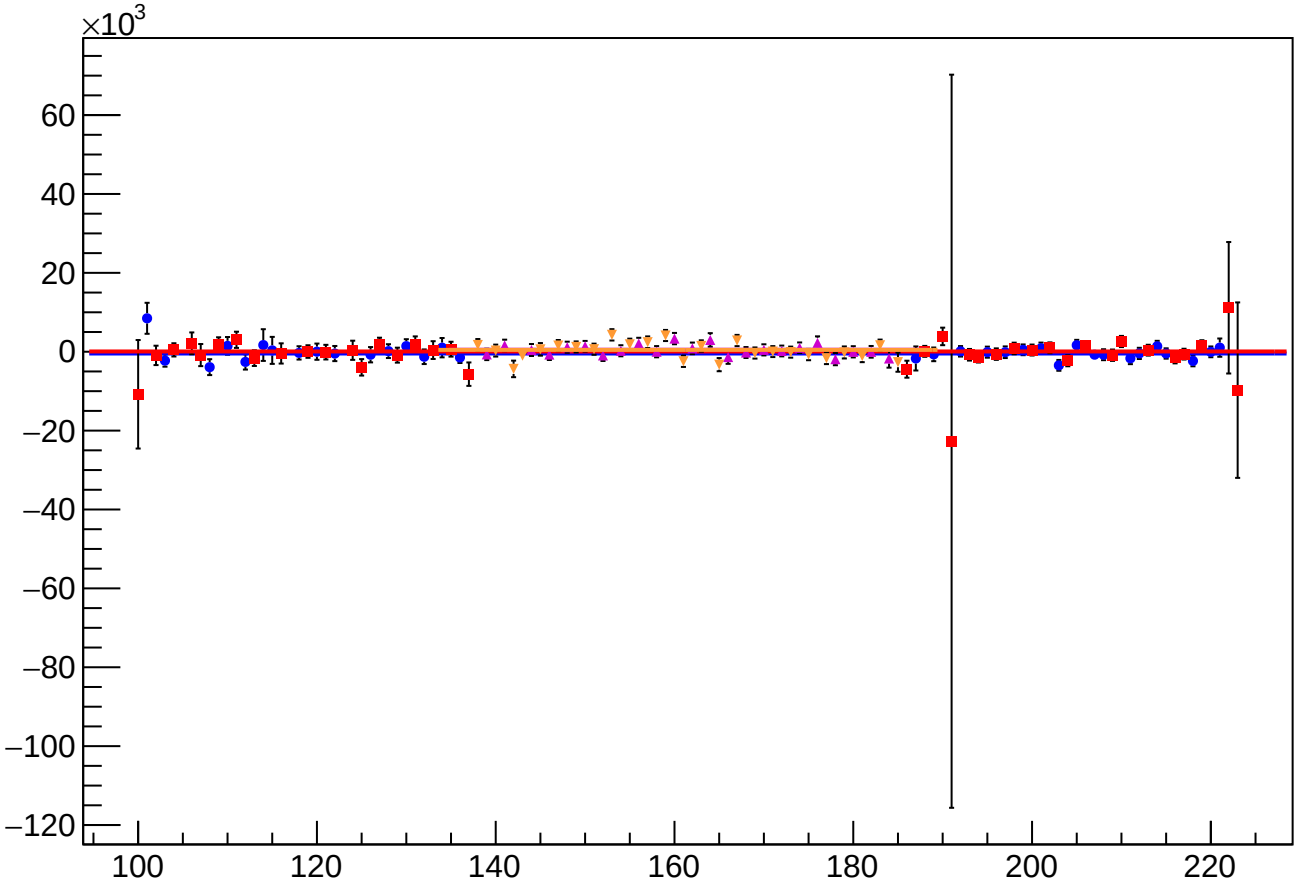
Right Out: 1667.372+/-0.352 χ^2/NDF: 23115118.8/38

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 2671.879+/-0.365 χ^2/NDF: 28053632.9/58

All: 2385.946+/-0.240 χ^2/NDF: 64515326.3/1

- sign 2169.191+/-0.318 χ^2/NDF: 35382310.4/61



Right In: -448.112+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

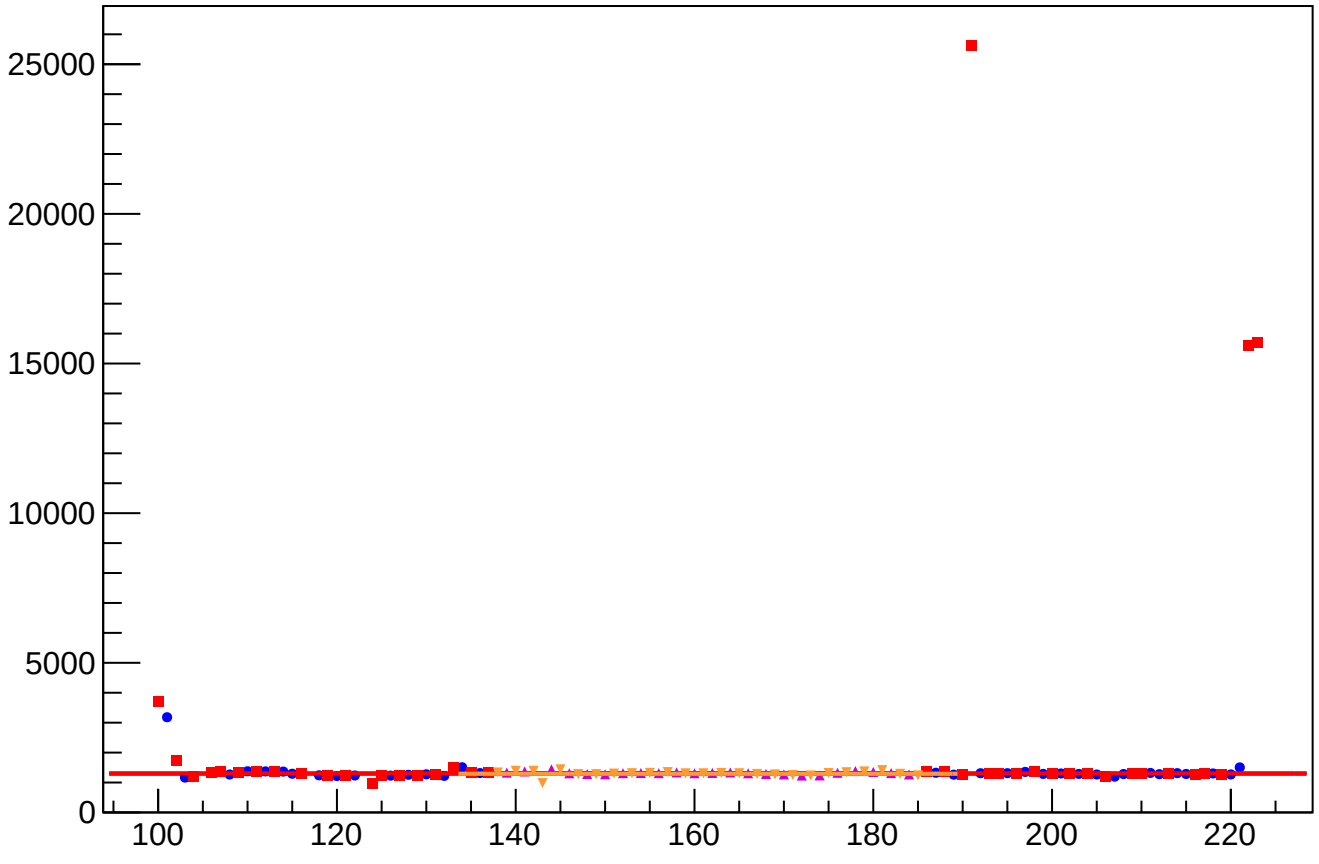
Right Out: 67.860+/-284.001 χ^2/NDF: 35.8/38

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign -9.937+/-203.513 χ^2/NDF: 77.2/58

All: 126.033+/-145.634 χ^2/NDF: 132.4/120

- sign 268.740+/-208.493 χ^2/NDF: 54.3/61



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.9/33

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

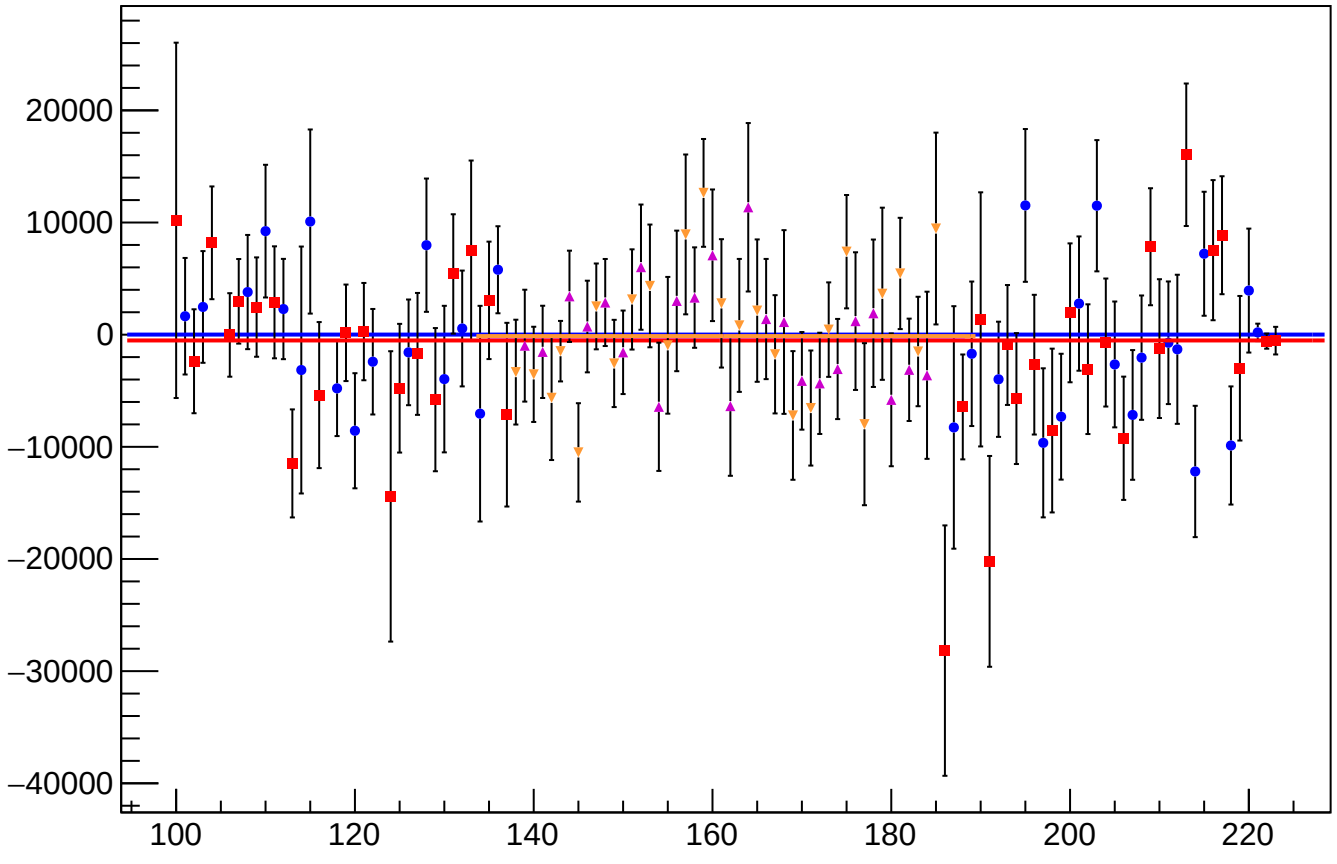
Right Out: 1306.040+/-0.201 χ^2/NDF: 2686655.6/38

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.352+/-0.144 χ^2/NDF: 778440.9/58

All: 1301.847+/-0.103 χ^2/NDF: 3514429.2/12

- sign 1309.712+/-0.147 χ^2/NDF: 2730428.2/61



Right In: 8.322+/-607.725 χ^2/NDF: 38.6/33

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

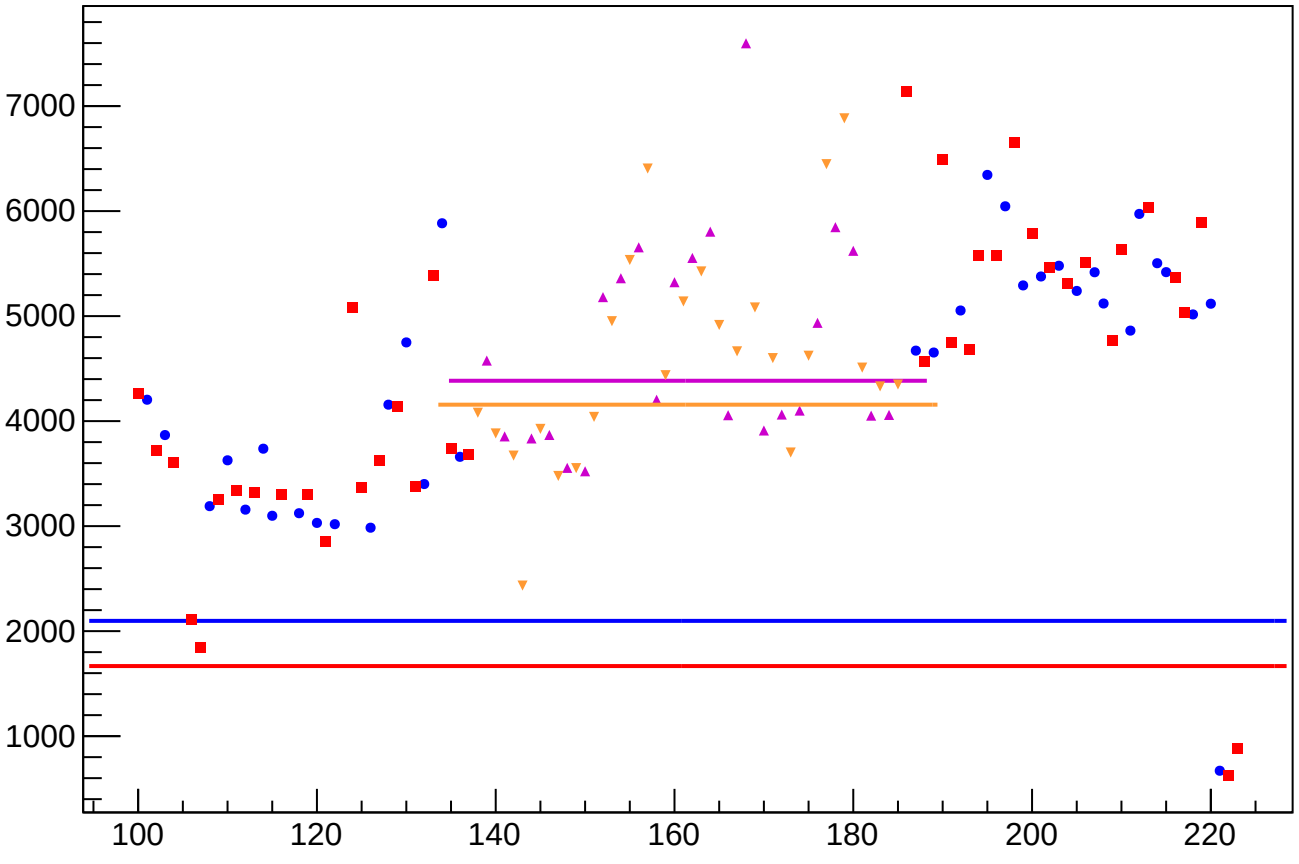
Right Out: -515.578+/-497.626 χ^2/NDF: 48.5/38

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -29.493+/-516.071 χ^2/NDF: 67.2/58

All: -268.568+/-338.879 χ^2/NDF: 130.0/120

- sign -449.802+/-449.326 χ^2/NDF: 62.4/61



Right In: 2097.705+/-0.430 χ^2/NDF: 19570803.2/33

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 1667.380+/-0.352 χ^2/NDF: 23115034.3/38

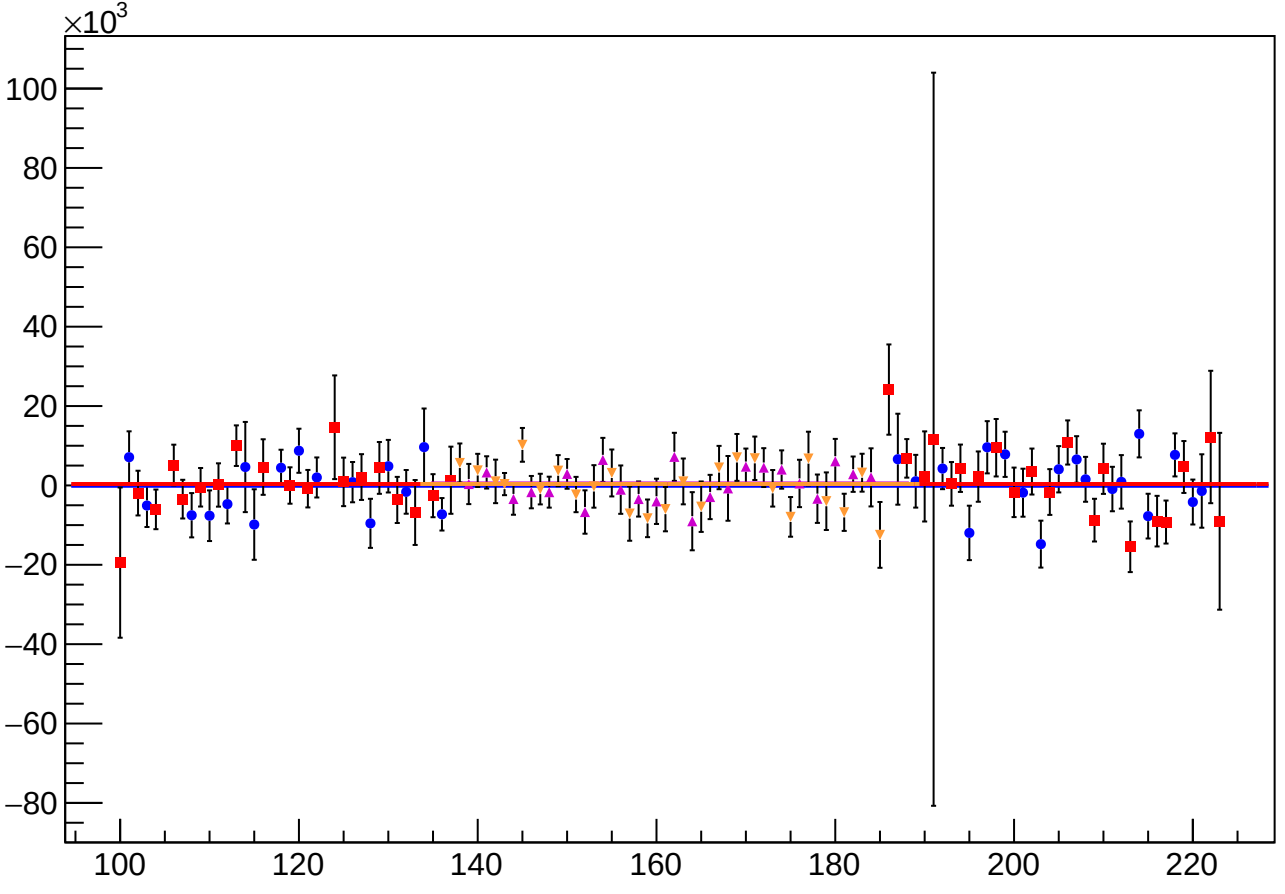
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 2671.895+/-0.365 χ^2/NDF: 28053382.8/58

All: 2385.957+/-0.240 χ^2/NDF: 64514977.8/1

- sign 2169.199+/-0.318 χ^2/NDF: 35382183.6/61

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -85.048+/-1017.030 χ^2/NDF: 44.0/33

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 354.309+/-993.553 χ^2/NDF: 39.8/38

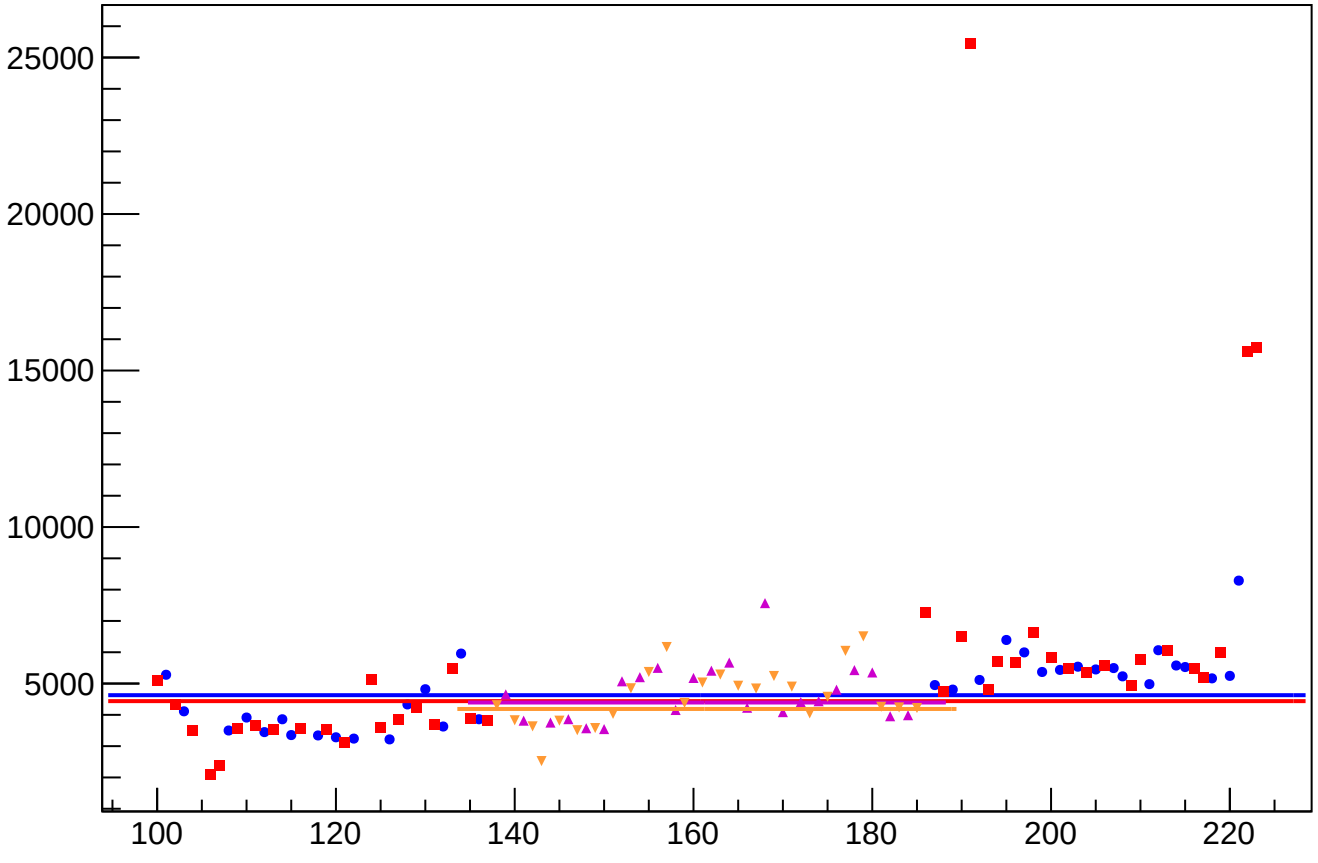
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 147.068+/-705.641 χ^2/NDF: 71.7/58

All: 281.933+/-503.947 χ^2/NDF: 125.5/120

- sign 422.323+/-719.953 χ^2/NDF: 53.7/61

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4628.356+/-0.719 χ^2/NDF: 2095028.5/33

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

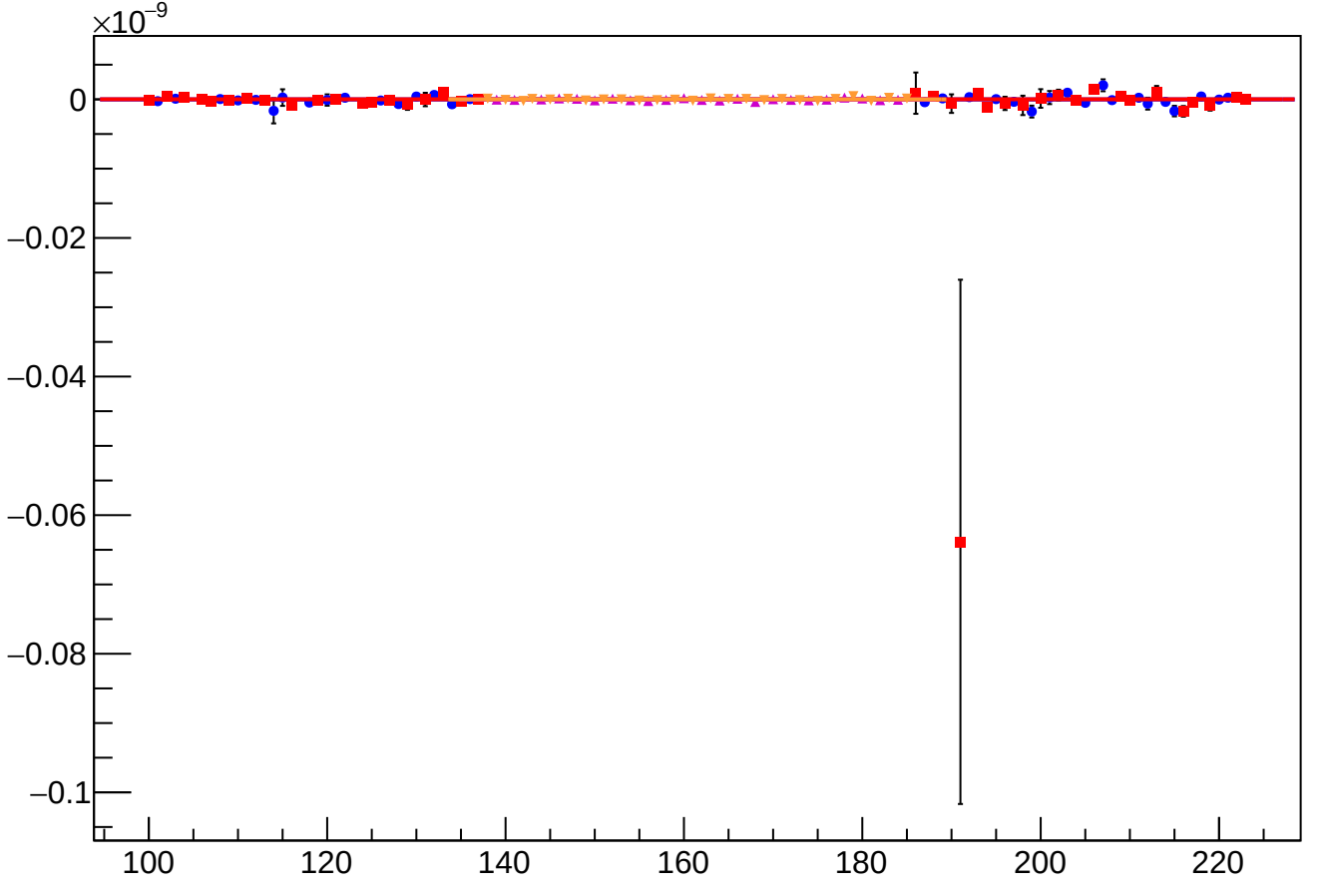
Right Out: 4438.226+/-0.697 χ^2/NDF: 4431422.5/38

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4399.906+/-0.499 χ^2/NDF: 4085959.8/58

All: 4408.583+/-0.356 χ^2/NDF: 9608259.9/12

- sign 4417.543+/-0.507 χ^2/NDF: 5521685.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

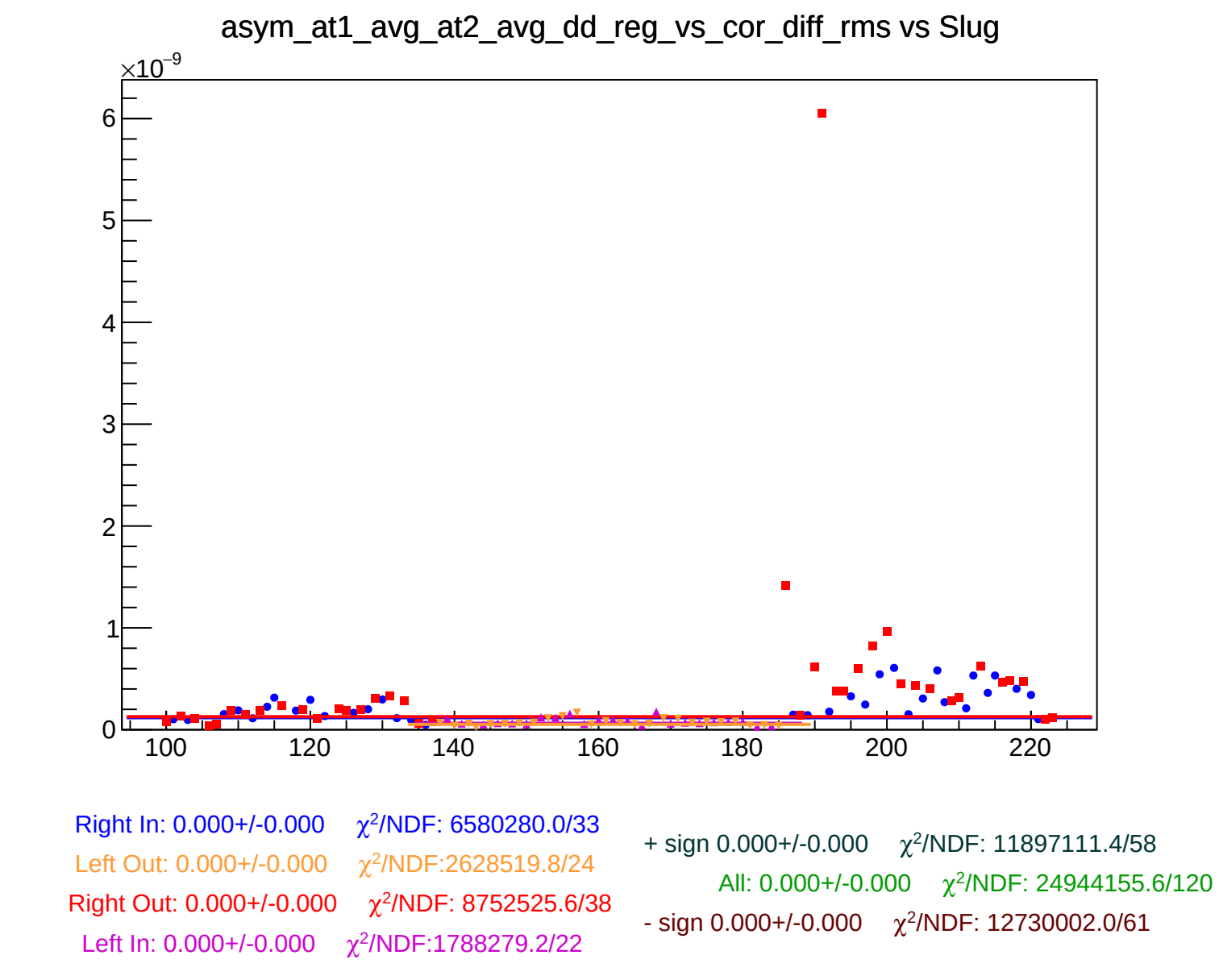
Right Out: 0.000+/-0.000 χ^2/NDF: 44.9/38

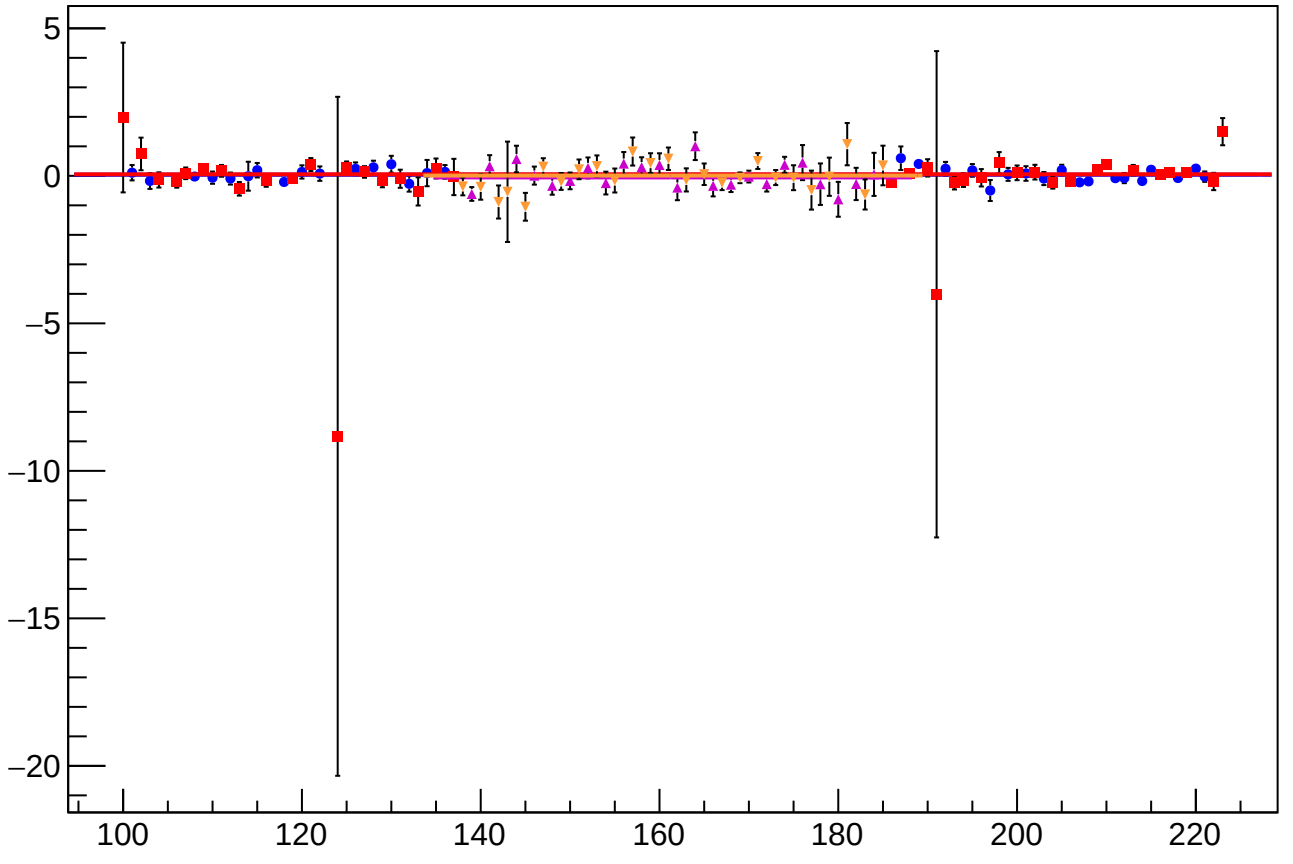
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.8/58

All: -0.000+/-0.000 χ^2/NDF: 135.1/120

- sign -0.000+/-0.000 χ^2/NDF: 62.2/61


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6580280.0/33
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8752525.6/38
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11897111.4/58
All: 0.000+/-0.000 χ²/NDF: 24944155.6/120
- sign 0.000+/-0.000 χ²/NDF: 12730002.0/61



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

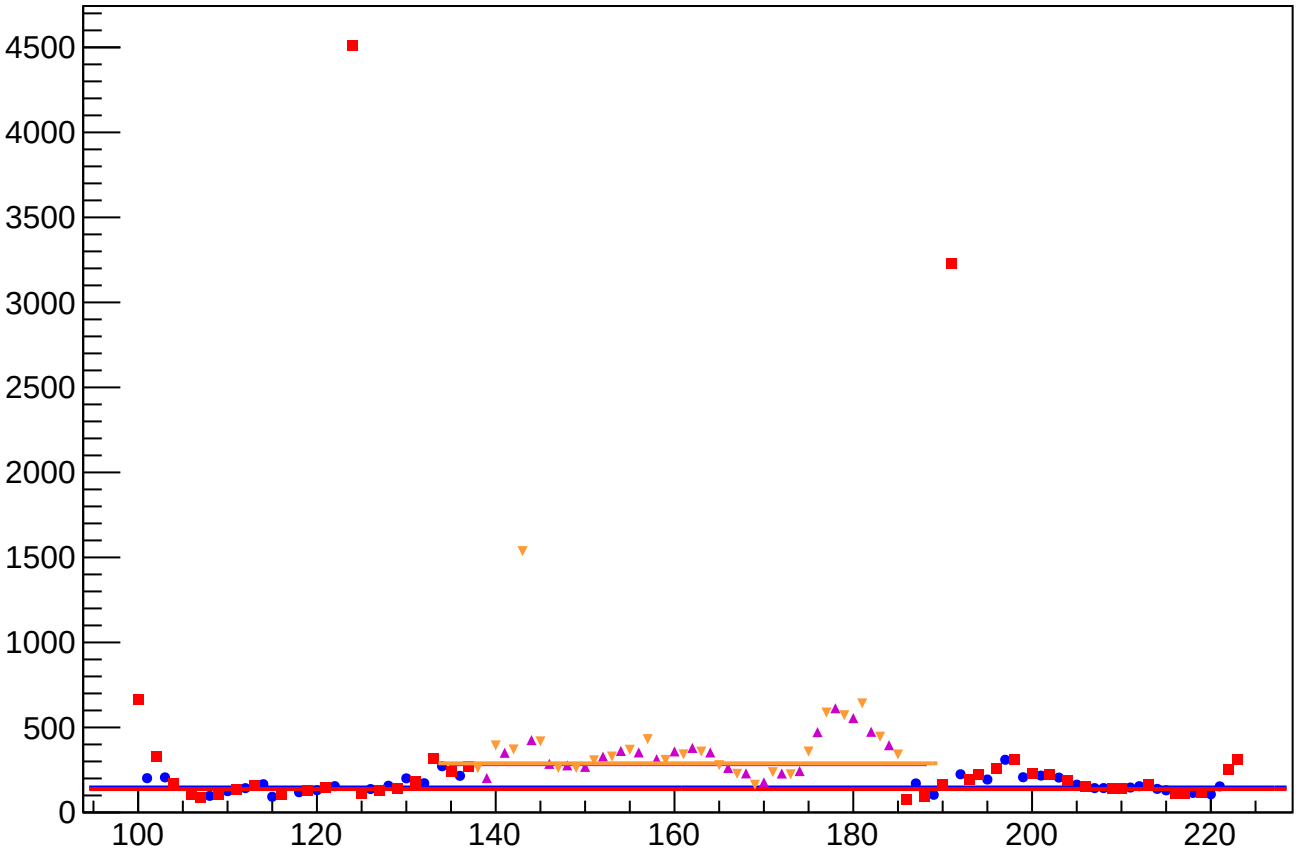
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

\+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

\- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786151.2/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 137.592+/-0.023 χ^2/NDF: 5544675.9/38

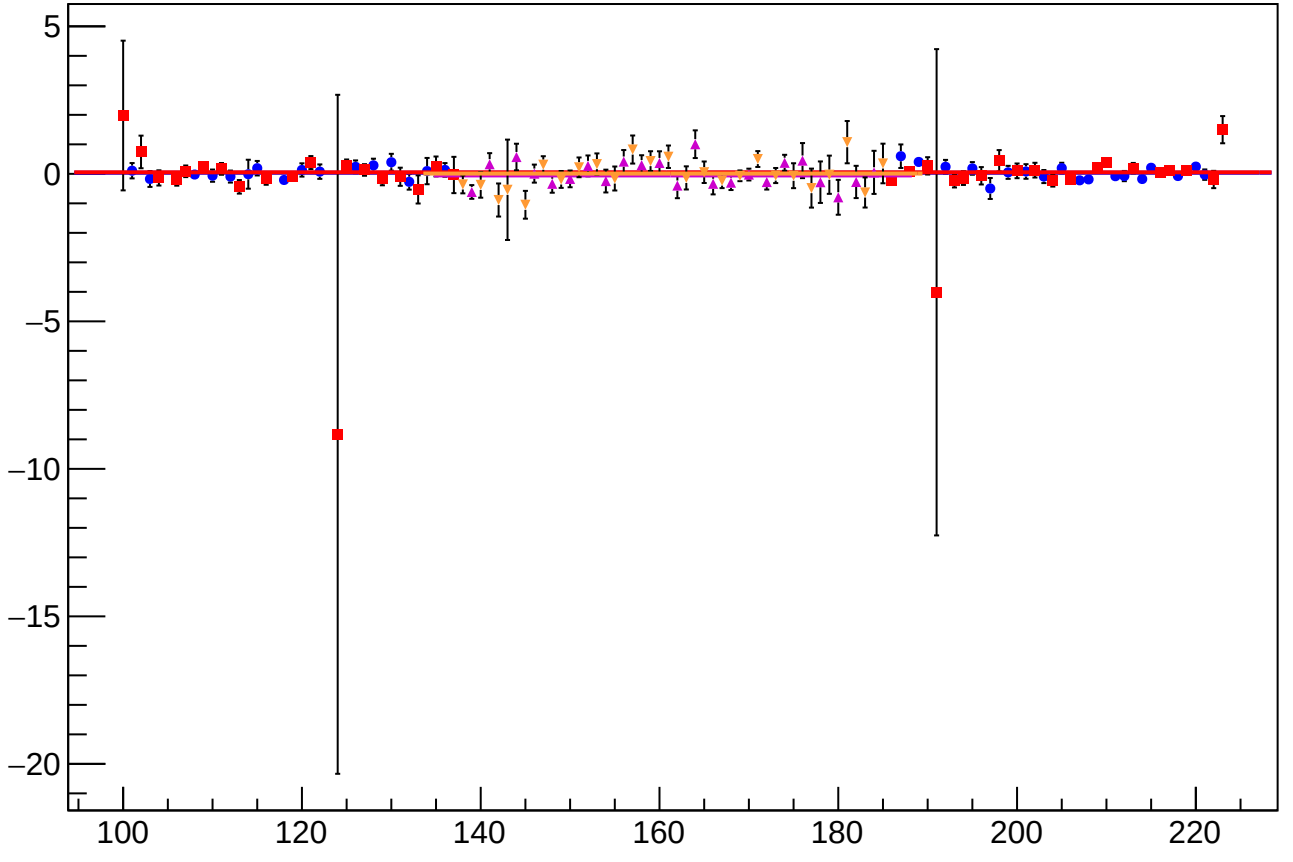
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.105+/-0.021 χ^2/NDF: 14022479.3/58

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

- sign 162.475+/-0.021 χ^2/NDF: 15819284.4/61

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

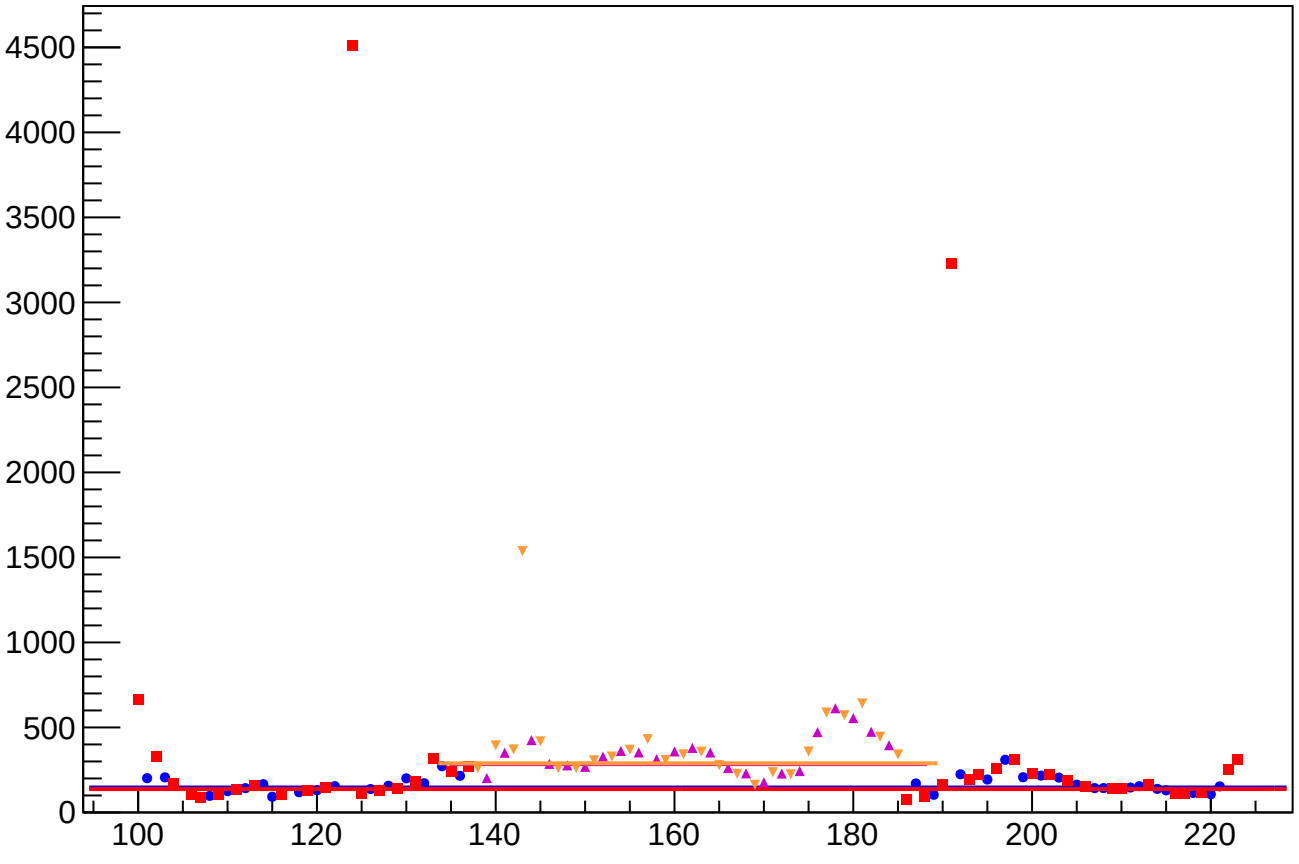
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786151.2/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

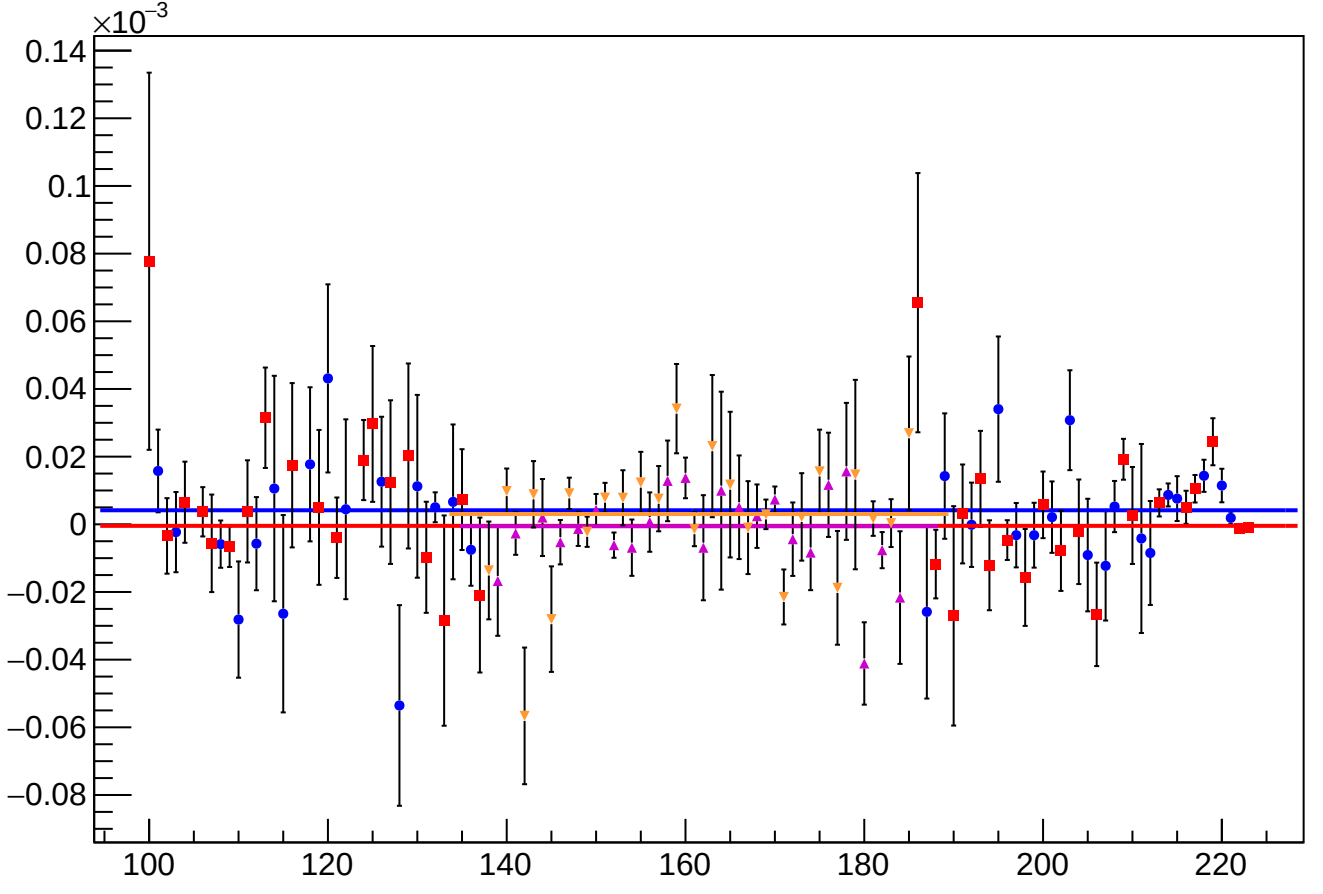
Right Out: 137.592+/-0.023 χ^2/NDF: 5544675.9/38

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.105+/-0.021 χ^2/NDF: 14022479.3/58

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

- sign 162.475+/-0.021 χ^2/NDF: 15819284.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

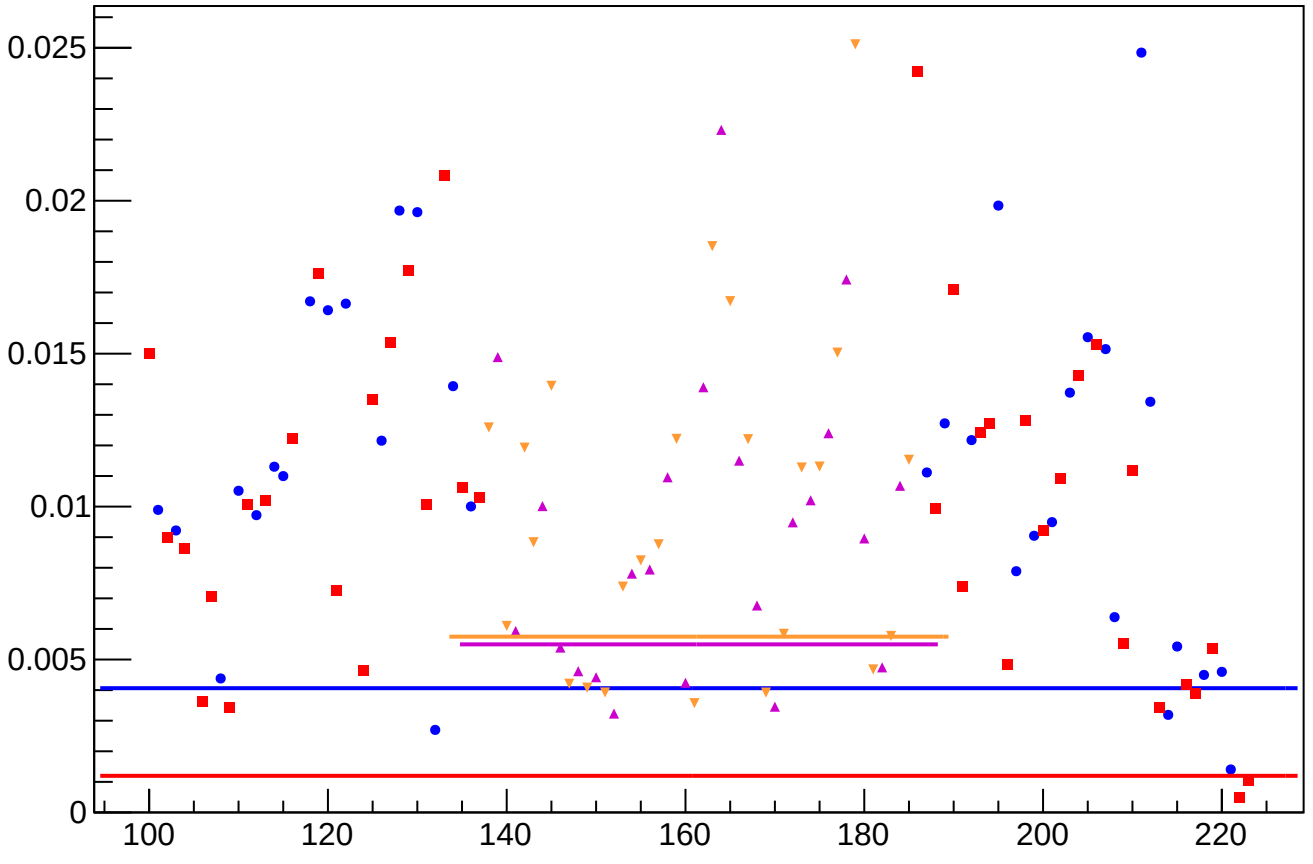
Right Out: -0.000+/-0.000 χ^2/NDF: 65.3/38

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.6/58

All: 0.000+/-0.000 χ^2/NDF: 193.3/120

- sign -0.000+/-0.000 χ^2/NDF: 98.5/61



Right In: 0.004+/-0.000 χ^2/NDF: 18926089.1/33

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 32225789.6/38

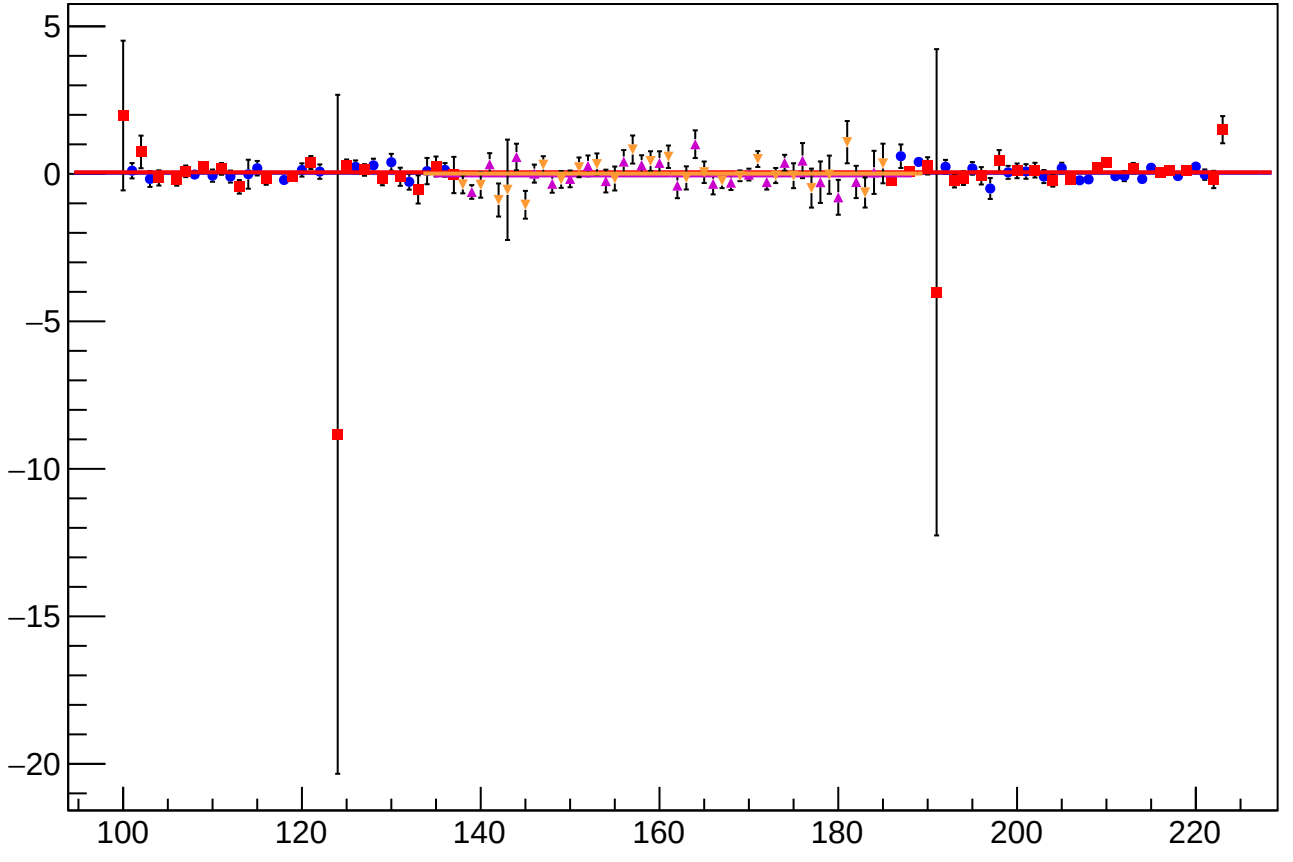
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.005+/-0.000 χ^2/NDF: 28552169.1/58

All: 0.002+/-0.000 χ^2/NDF: 98287235.8/120

- sign 0.002+/-0.000 χ^2/NDF: 53492310.8/61

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

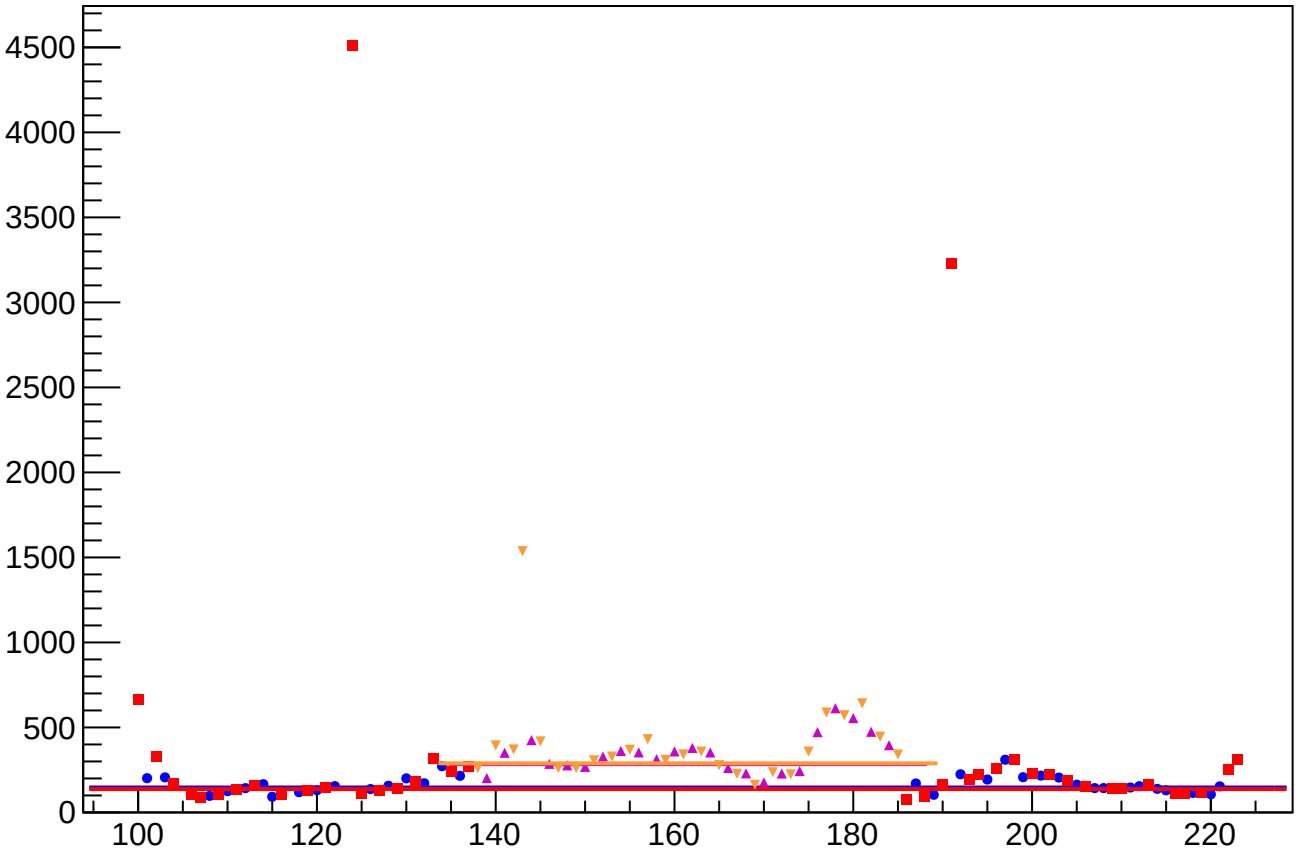
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

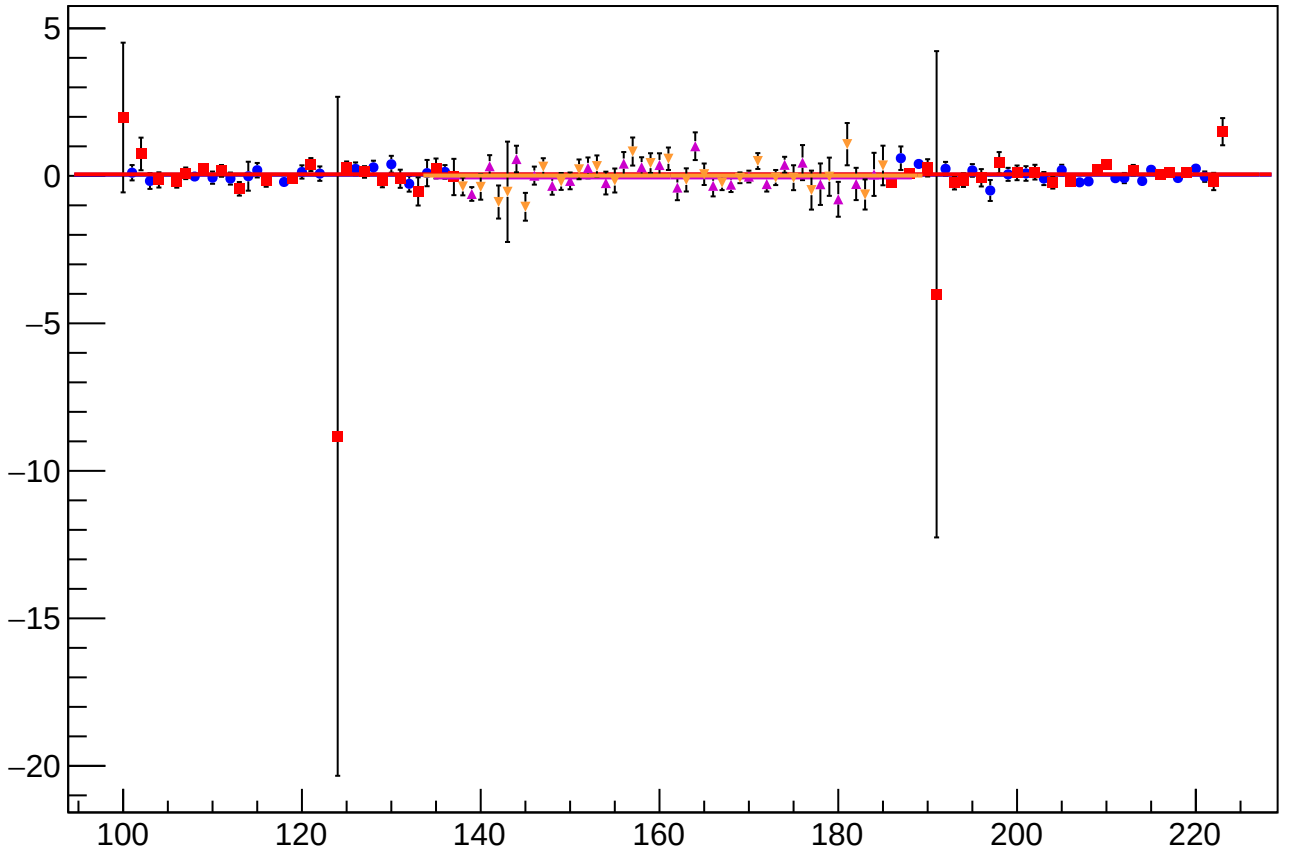
Right Out: 137.593+/-0.023 χ^2/NDF: 5544487.2/38

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 167.127+/-0.015 χ^2/NDF: 2994808 2.4/12

- sign 162.477+/-0.021 χ^2/NDF: 15819058.3/61



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

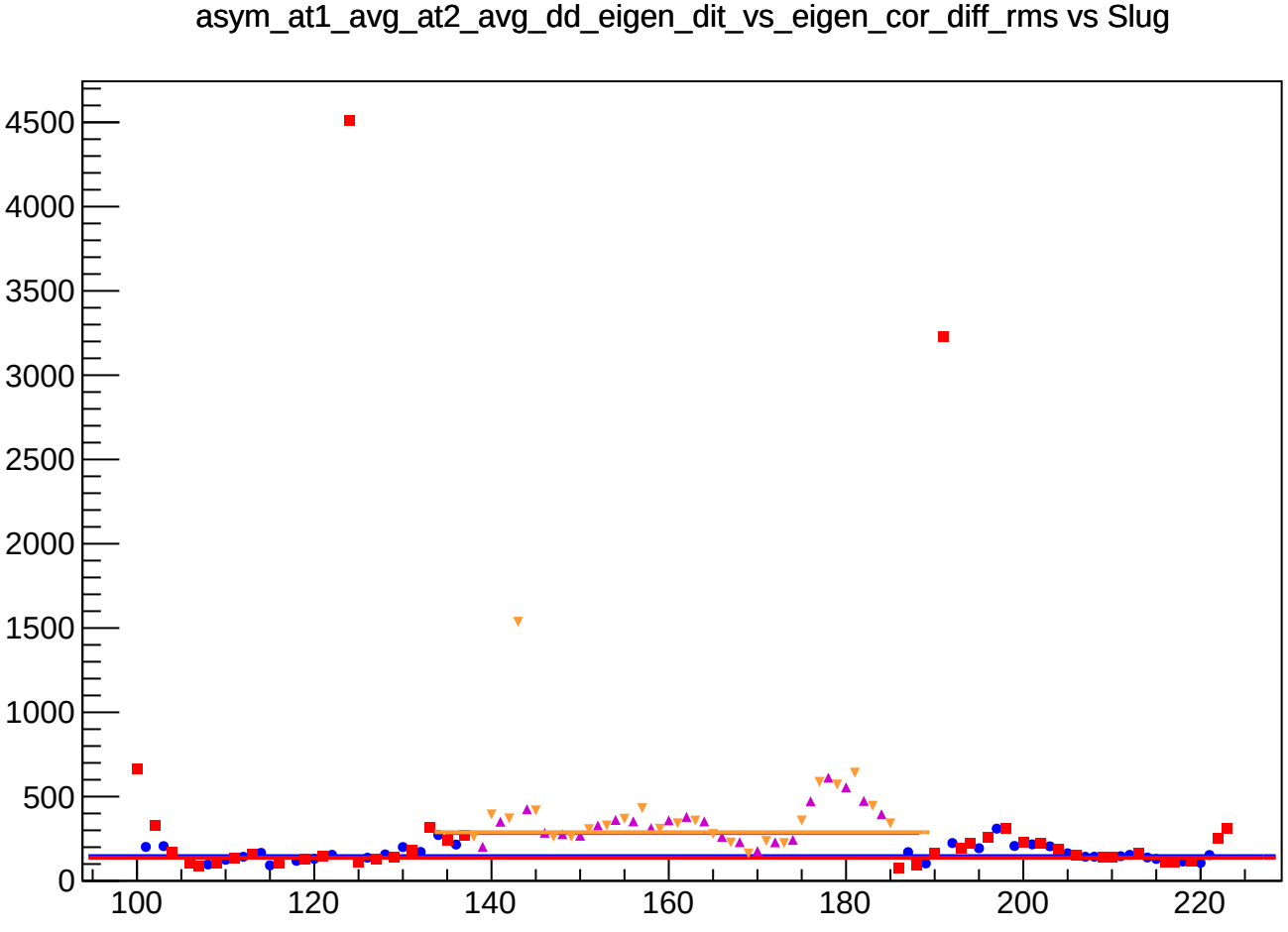
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

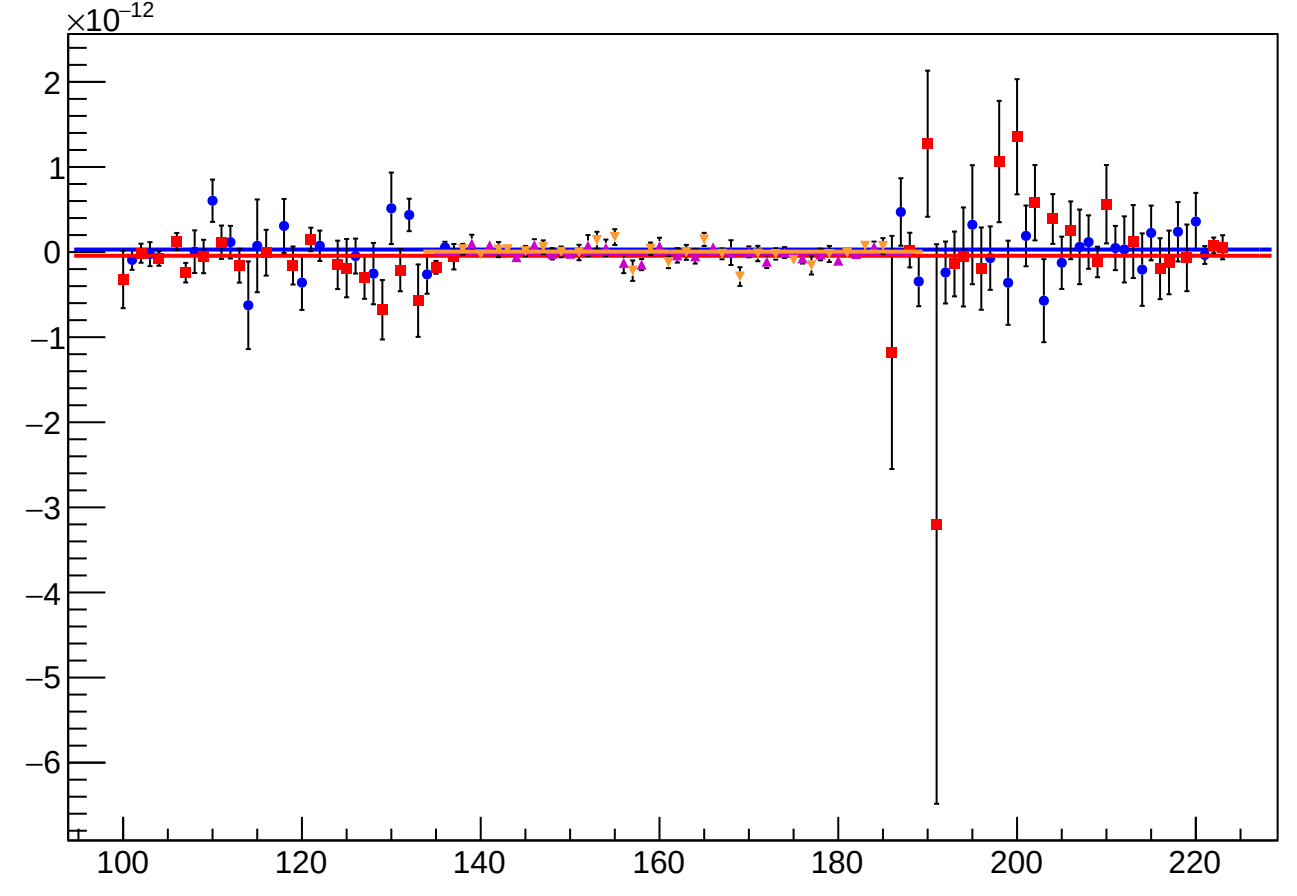
Right Out: 137.593+/-0.023 χ^2/NDF: 5544487.2/38

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 167.127+/-0.015 χ^2/NDF: 2994808 2.4/12

- sign 162.477+/-0.021 χ^2/NDF: 15819058.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

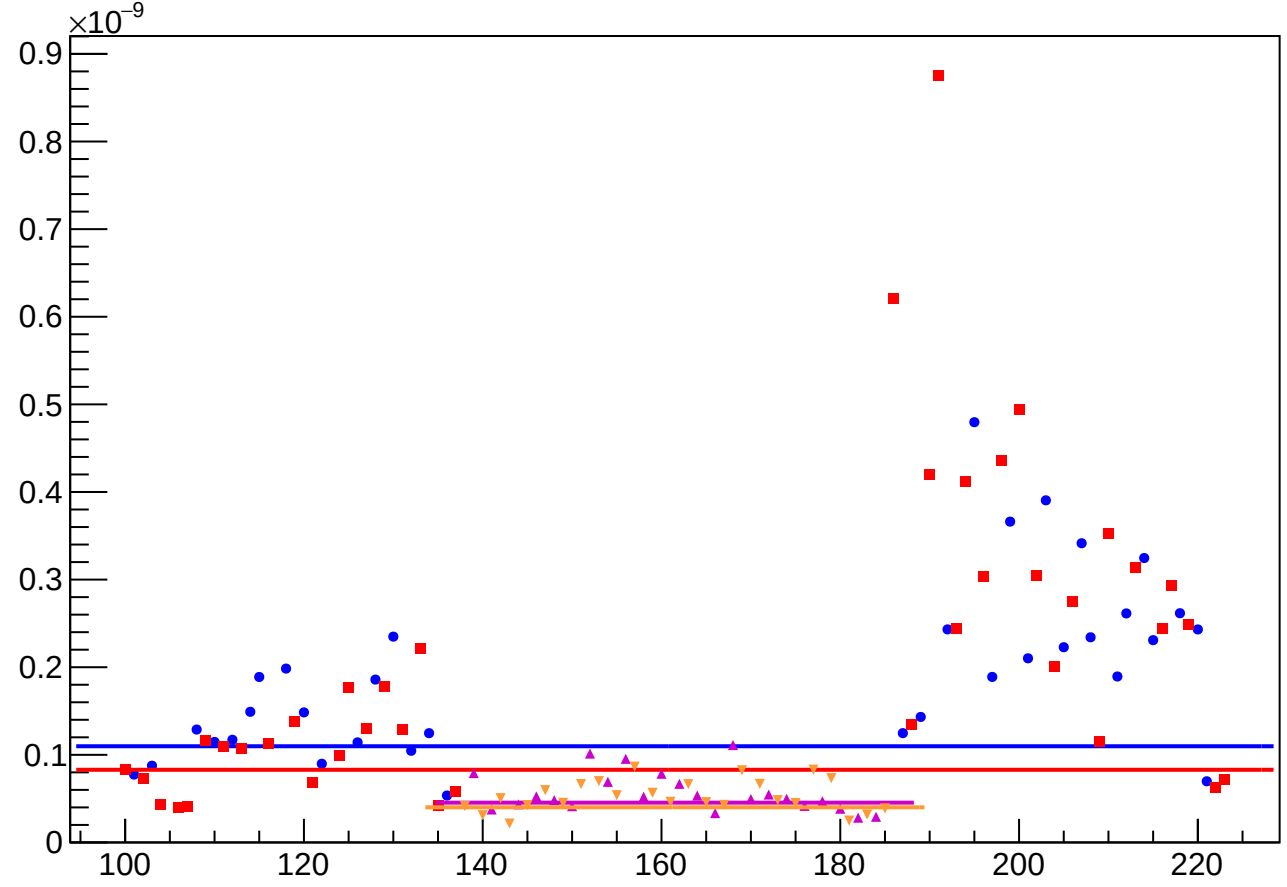
Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/38

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/58

All: -0.000+/-0.000 χ^2/NDF: 129.1/120

- sign -0.000+/-0.000 χ^2/NDF: 64.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 7882944.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10500367.7/38

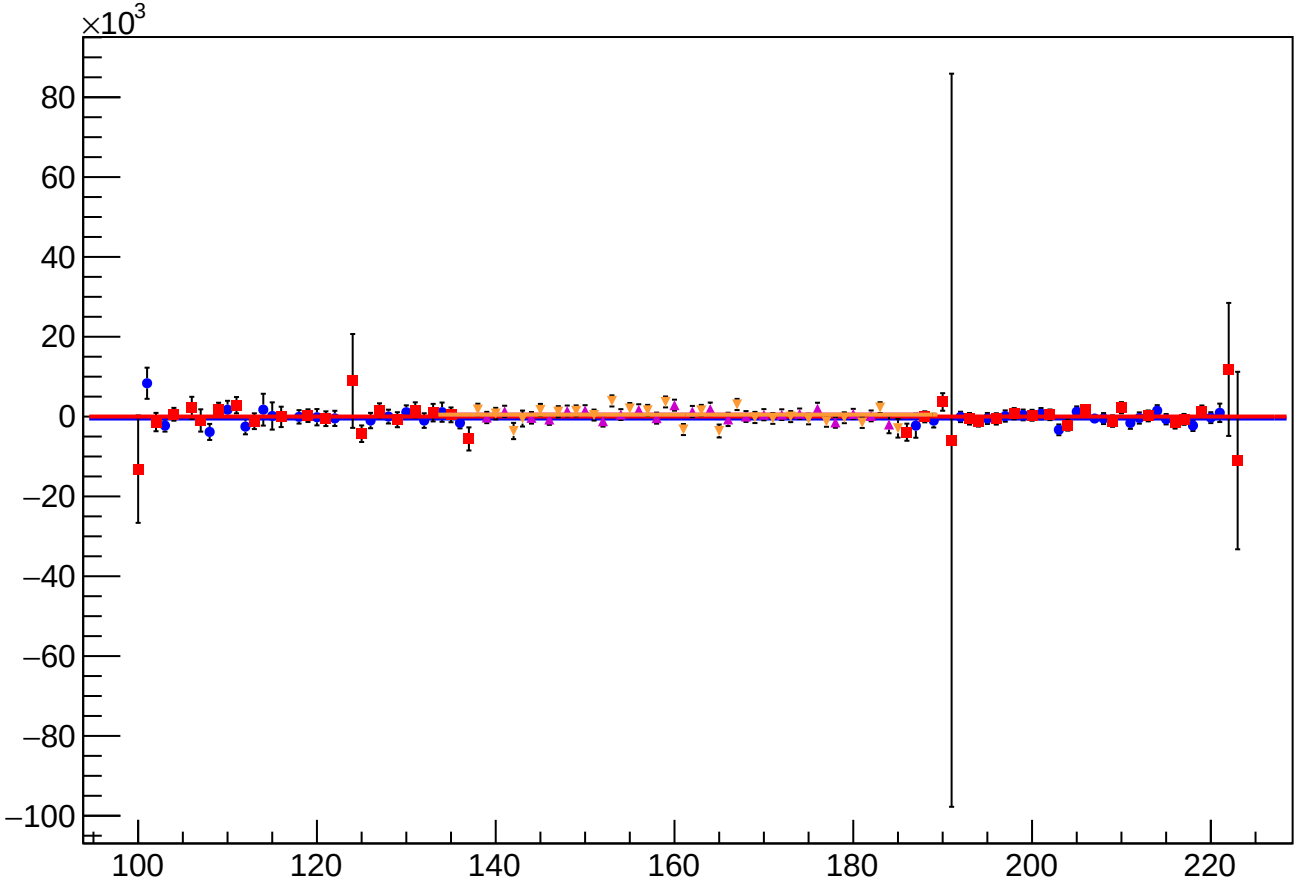
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18185511.9/58

All: 0.000+/-0.000 χ^2/NDF: 34292033.4/120

- sign 0.000+/-0.000 χ^2/NDF: 15953032.8/61

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -487.178+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 12.019+/-281.907 χ^2/NDF: 34.2/38

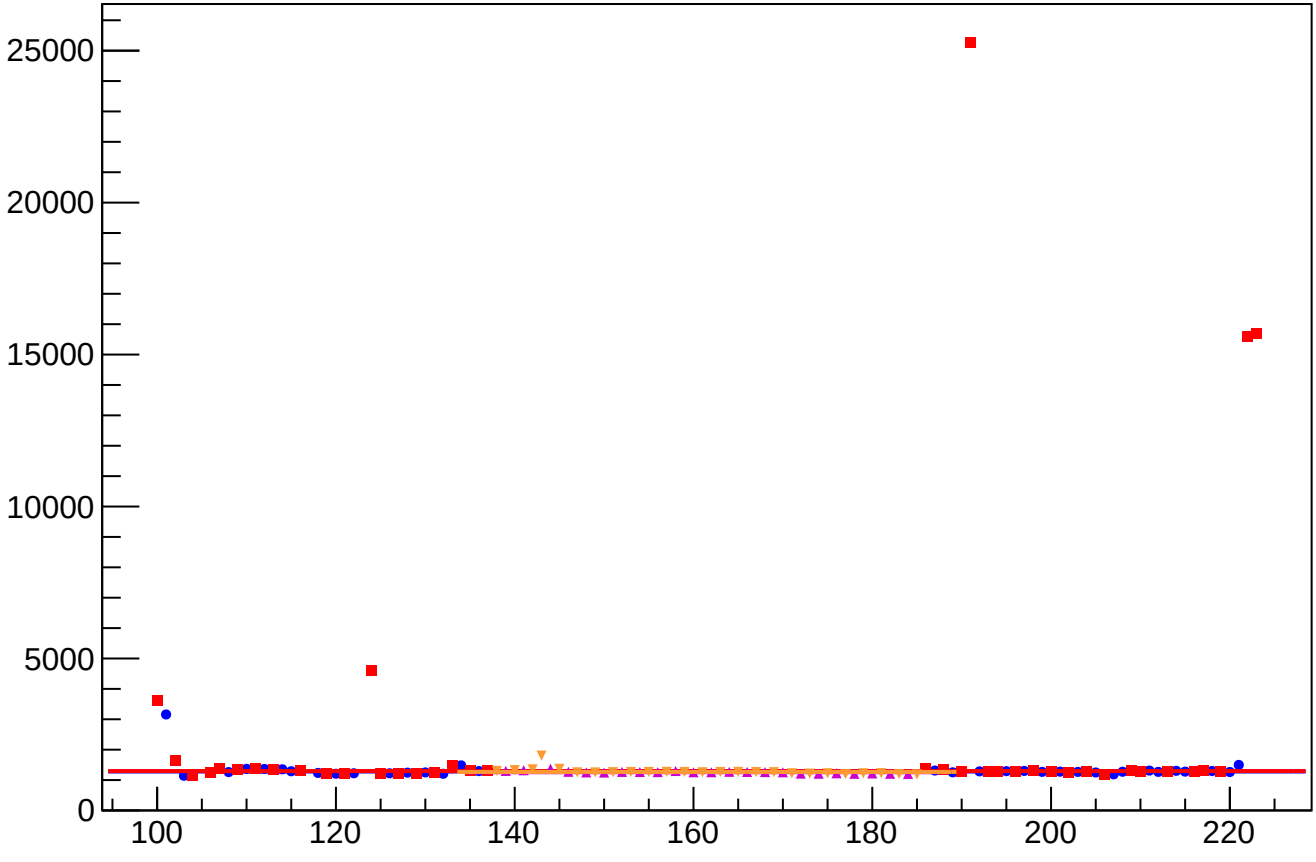
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -14.863+/-200.359 χ^2/NDF: 79.5/58

All: 110.471+/-142.739 χ^2/NDF: 130.3/120

- sign 239.641+/-203.403 χ^2/NDF: 50.0/61

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548621.5/33

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

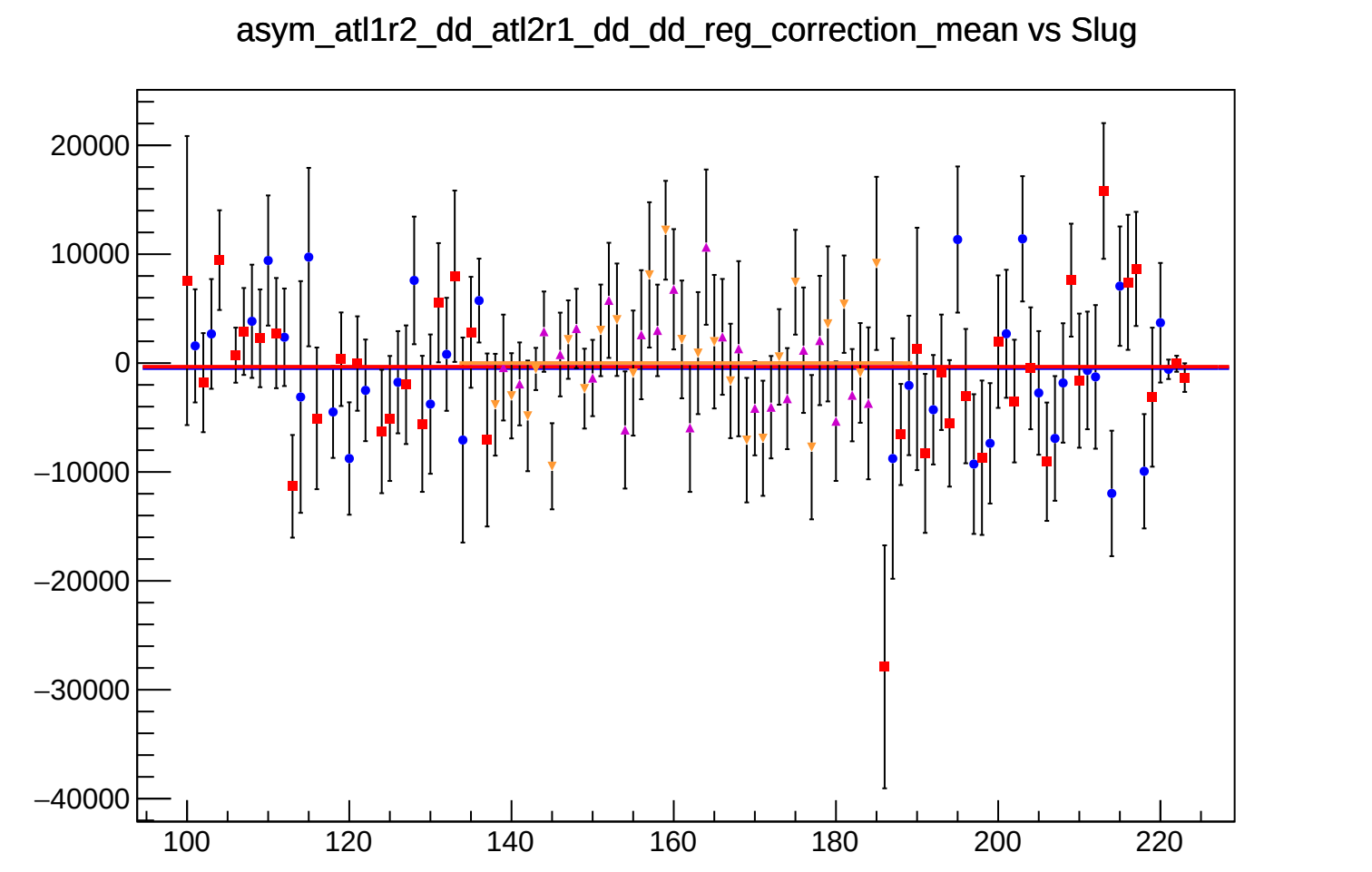
Right Out: 1294.888+/-0.199 χ^2/NDF: 2794245.7/38

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739020.3/58

All: 1275.890+/-0.101 χ^2/NDF: 3587033.7/12

- sign 1277.005+/-0.144 χ^2/NDF: 2847894.9/61



Right In: -464.733+/-656.771 χ^2/NDF: 38.6/33

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

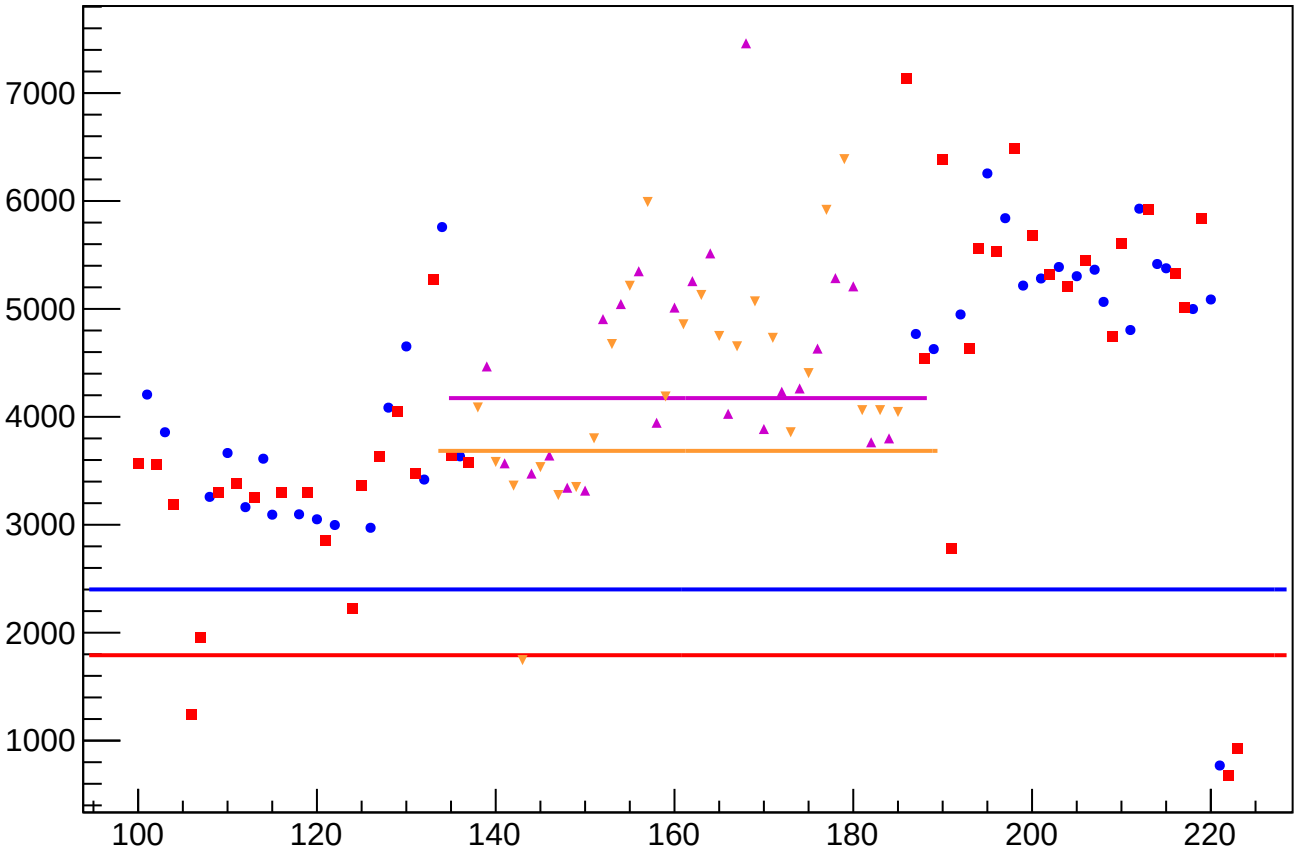
Right Out: -333.408+/-518.067 χ^2/NDF: 47.6/38

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -300.258+/-527.721 χ^2/NDF: 67.8/58

All: -282.522+/-346.562 χ^2/NDF: 129.5/120

- sign -269.073+/-459.546 χ^2/NDF: 61.7/61



Right In: 2400.923+/-0.464 χ^2/NDF: 16646929.0/33

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

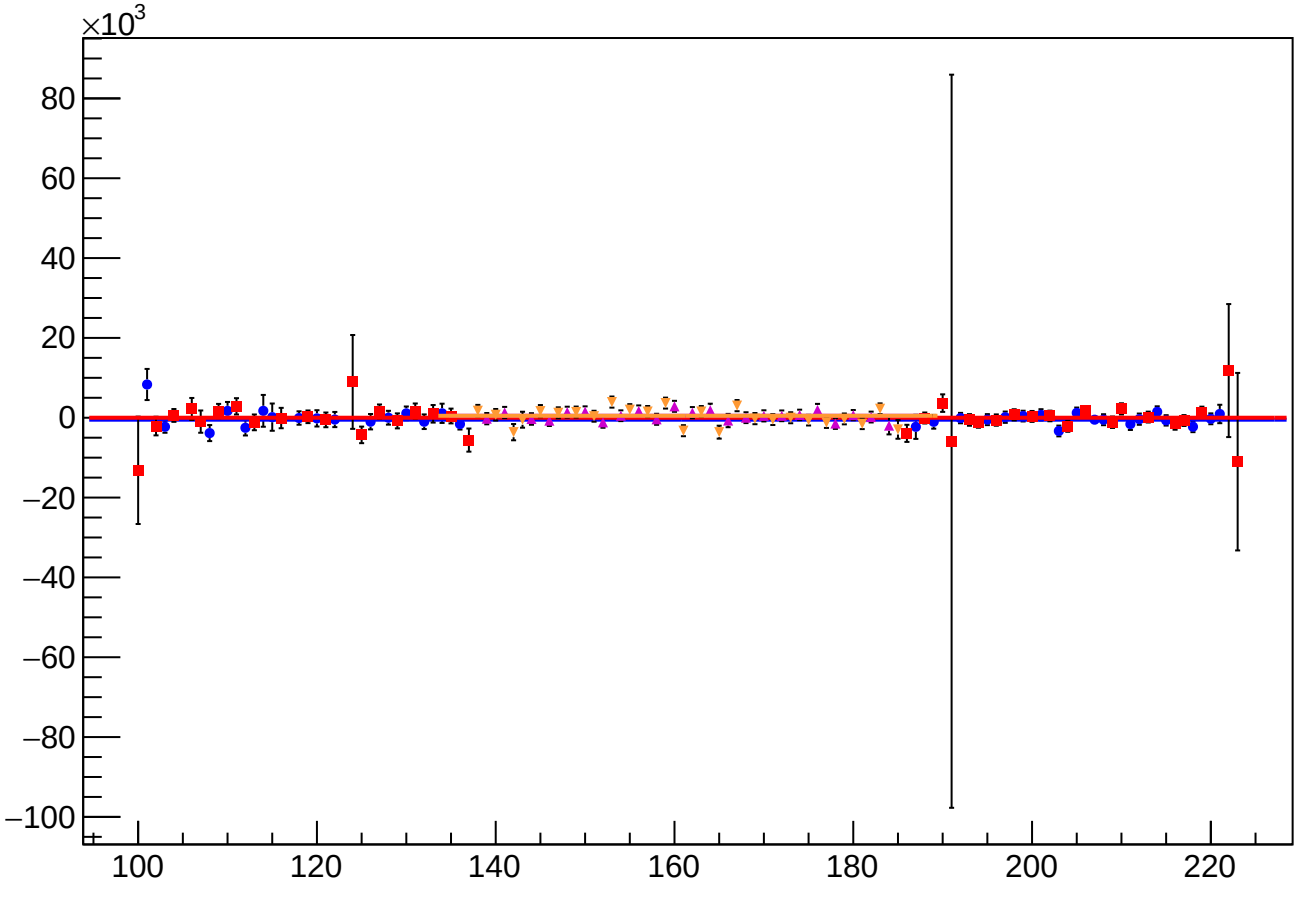
Right Out: 1791.388+/-0.366 χ^2/NDF: 21100841.1/38

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 2855.885+/-0.373 χ^2/NDF: 23048835.8/58

All: 2539.269+/-0.245 χ^2/NDF: 55704362.1/1

- sign 2299.174+/-0.325 χ^2/NDF: 31389665.9/61



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 2.334+/-281.970 χ^2/NDF: 34.7/38

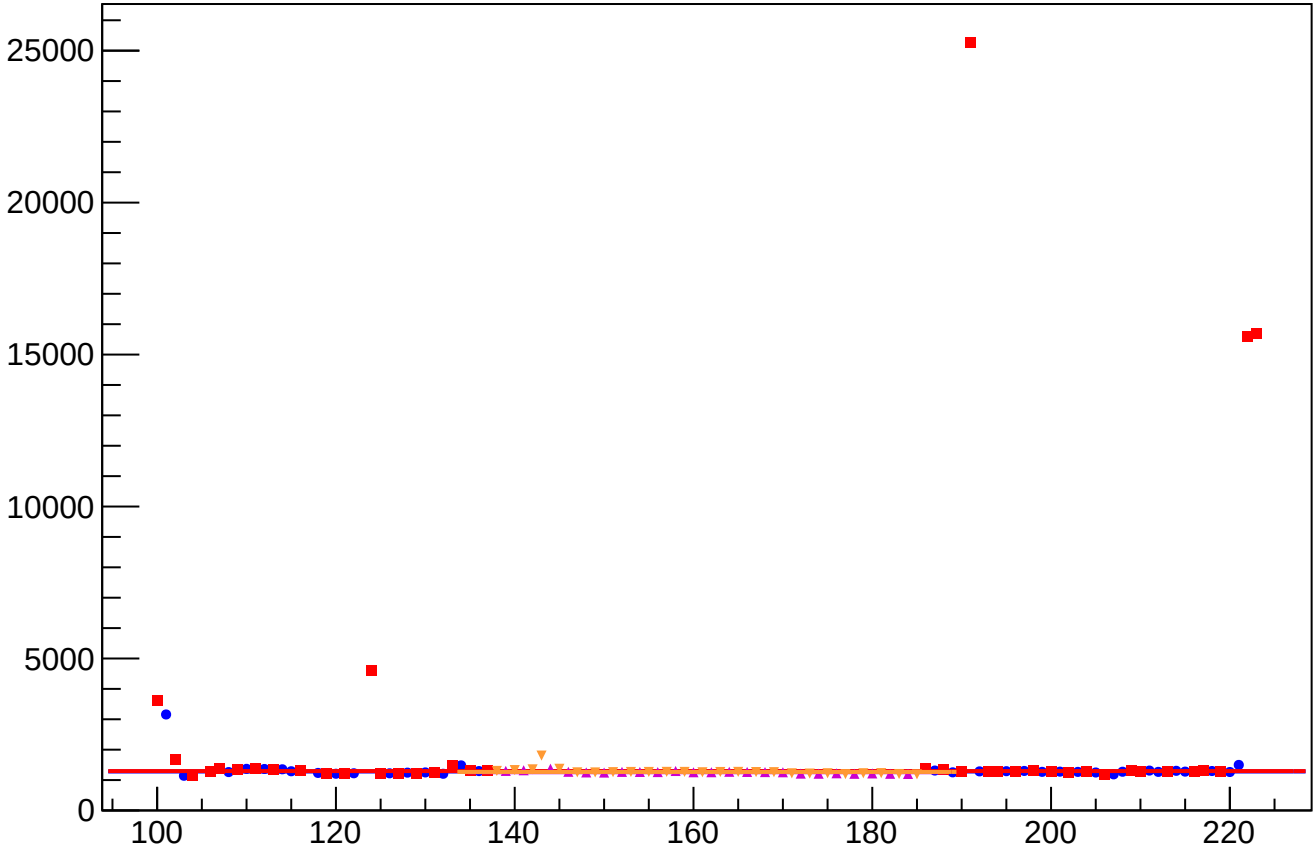
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.947+/-142.747 χ^2/NDF: 130.7/120

\- sign 234.604+/-203.426 χ^2/NDF: 50.5/61

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

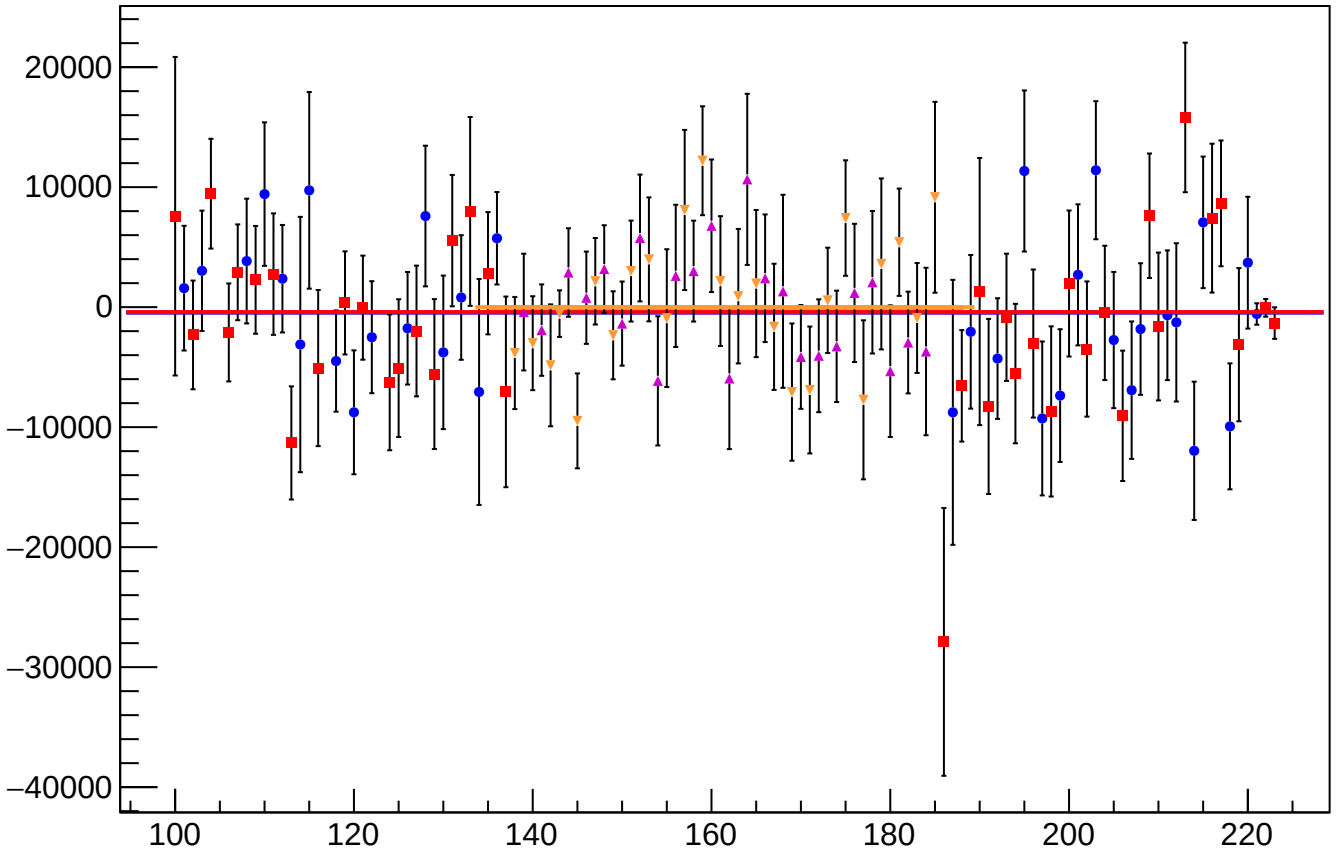
Right Out: 1295.563+/-0.199 χ^2/NDF: 2800930.2/38

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

- sign 1277.348+/-0.144 χ^2/NDF: 2855185.5/61



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

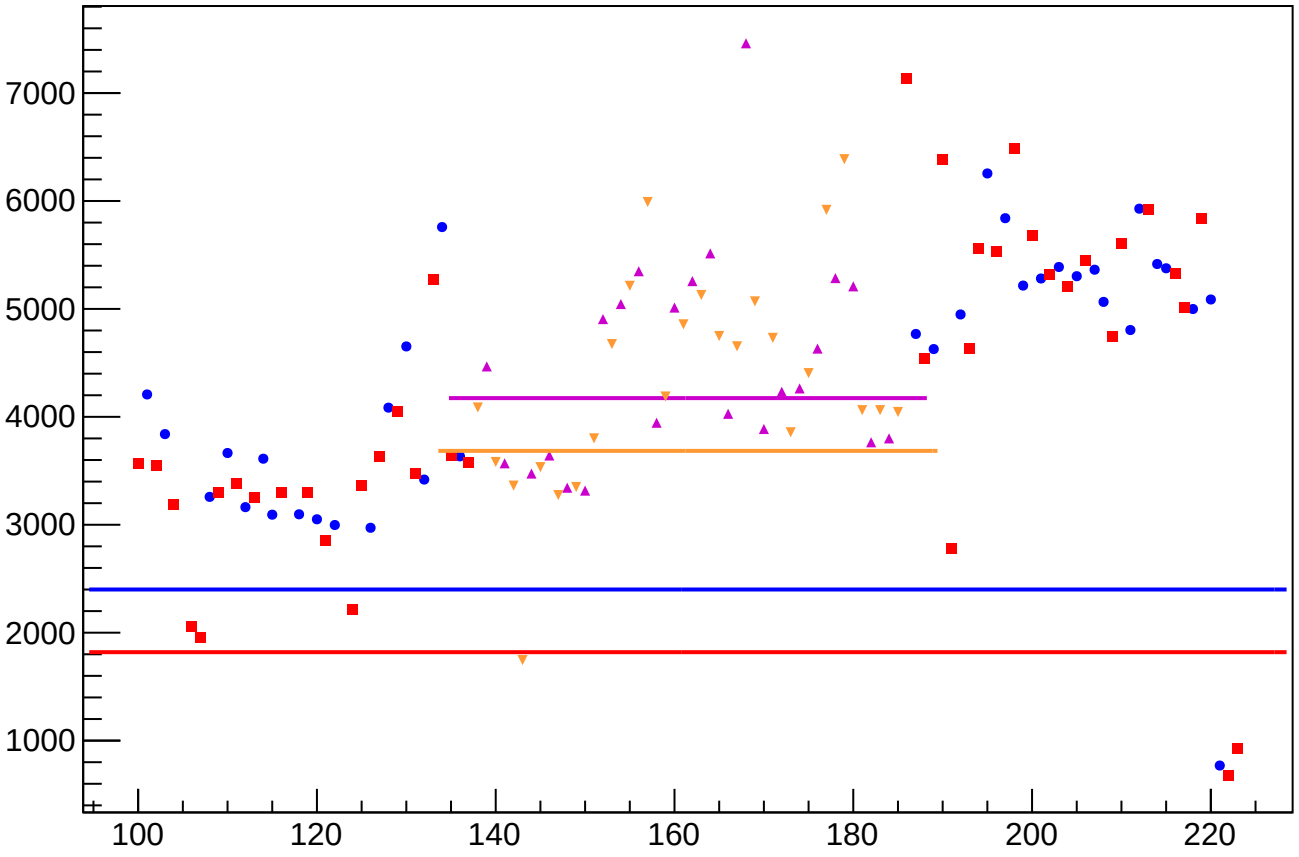
Right Out: -412.600+/-524.842 χ^2/NDF: 47.6/38

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

\+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -314.884+/-348.545 χ^2/NDF: 129.7/120

\- sign -329.712+/-464.255 χ^2/NDF: 61.8/61



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

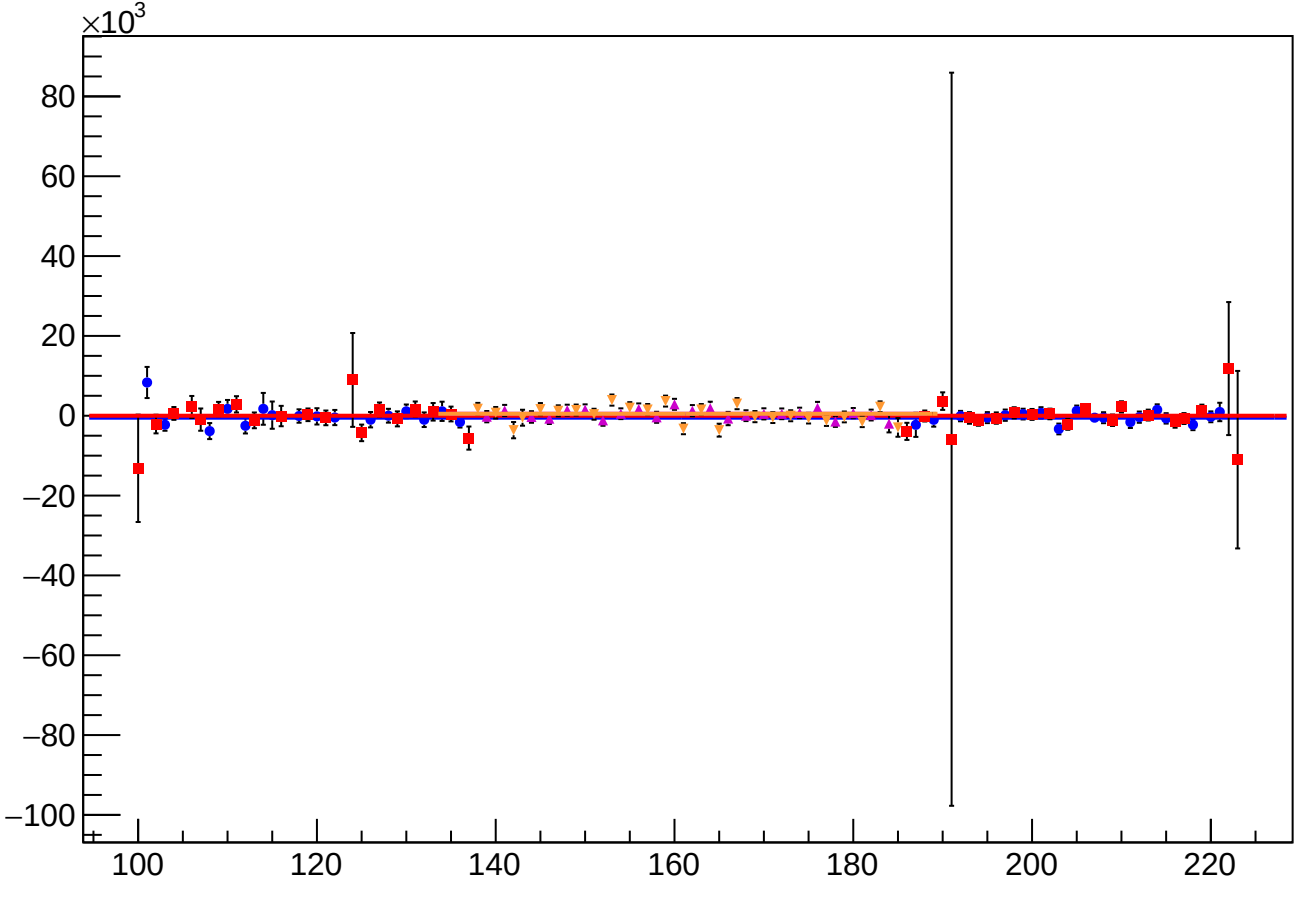
Right Out: 1819.492+/-0.371 χ^2/NDF: 21007788.1/38

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/1

- sign 2331.623+/-0.328 χ^2/NDF: 31036033.5/61



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 2.334+/-281.970 χ^2/NDF: 34.7/38

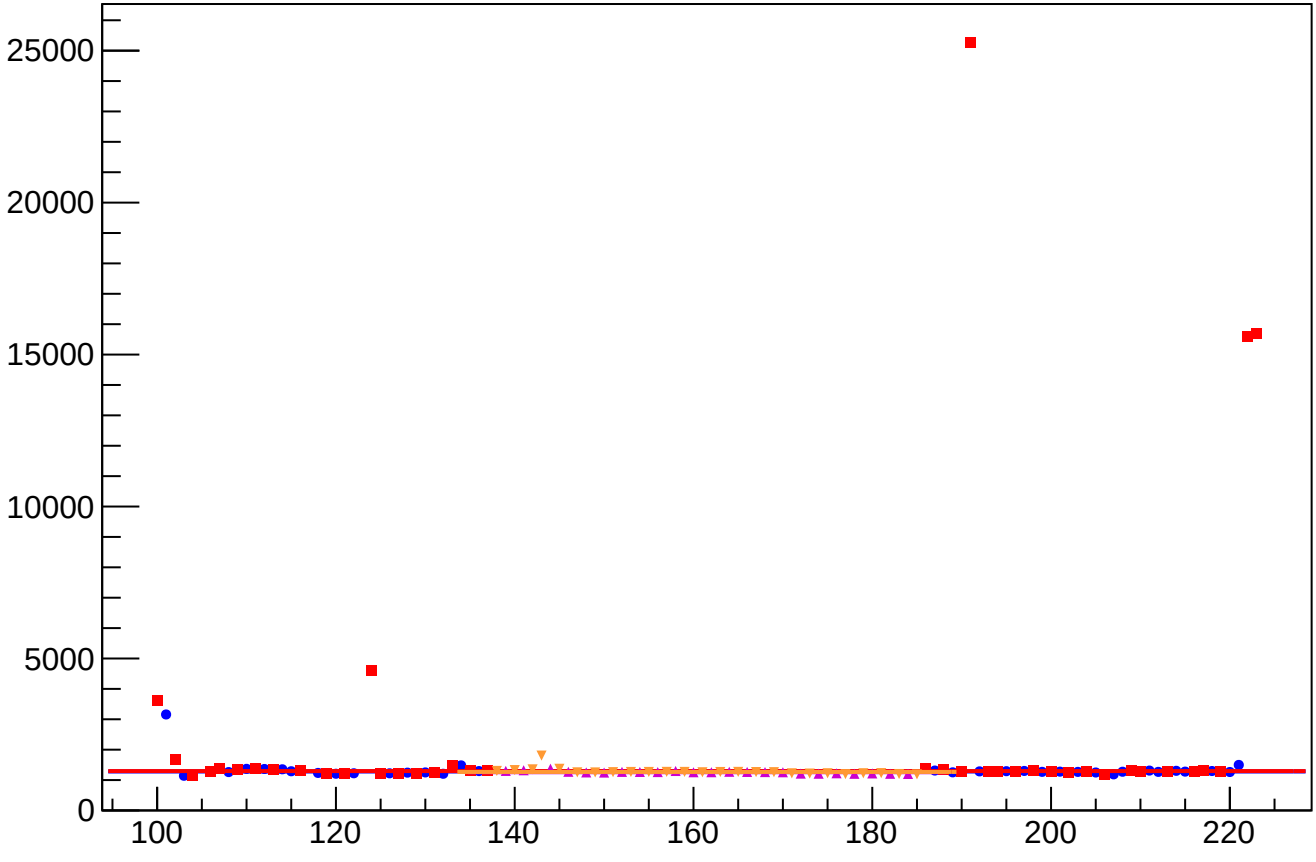
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.947+/-142.747 χ^2/NDF: 130.7/120

\- sign 234.604+/-203.426 χ^2/NDF: 50.5/61

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

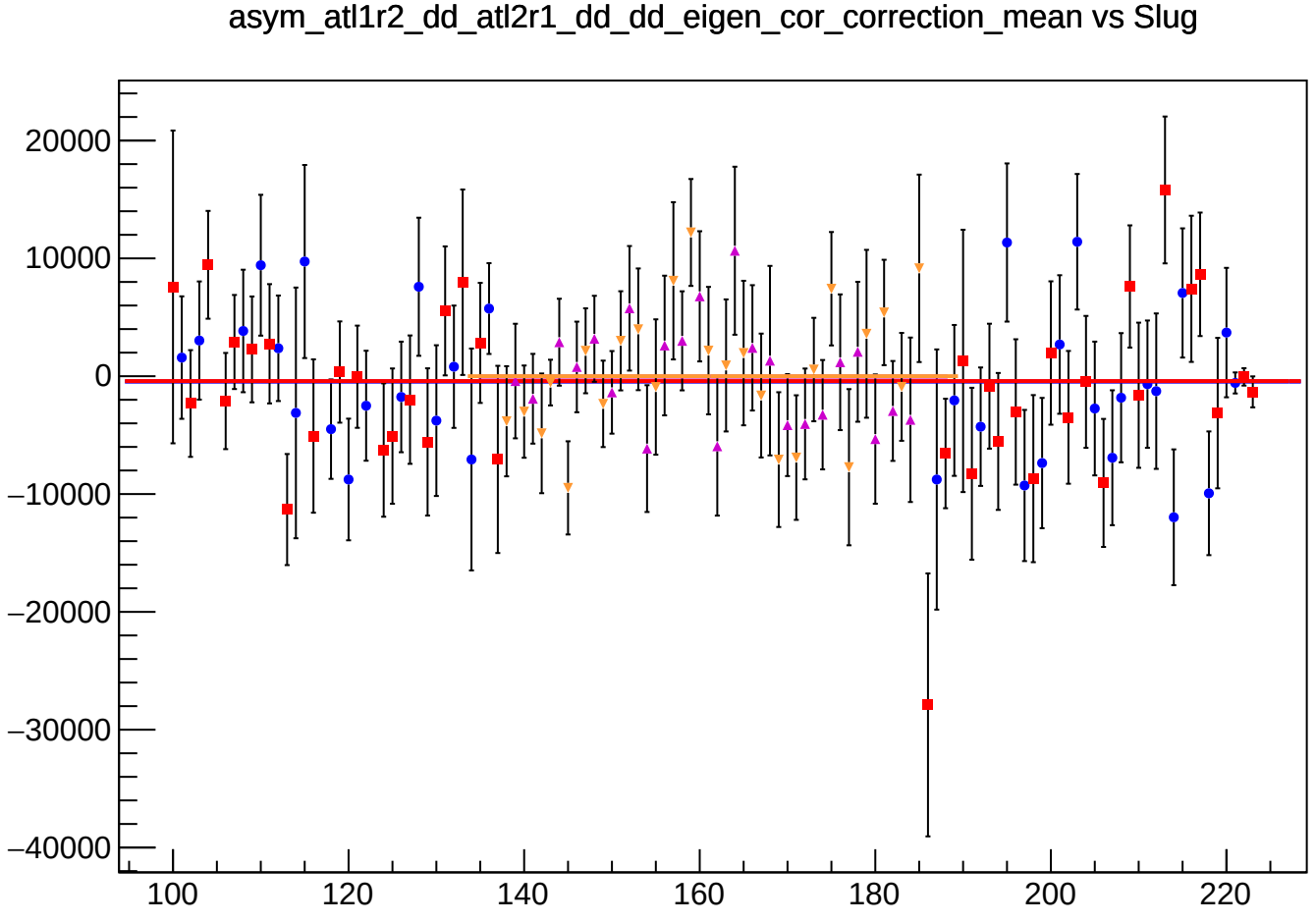
Right Out: 1295.563+/-0.199 χ^2/NDF: 2800930.2/38

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

- sign 1277.348+/-0.144 χ^2/NDF: 2855185.5/61



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

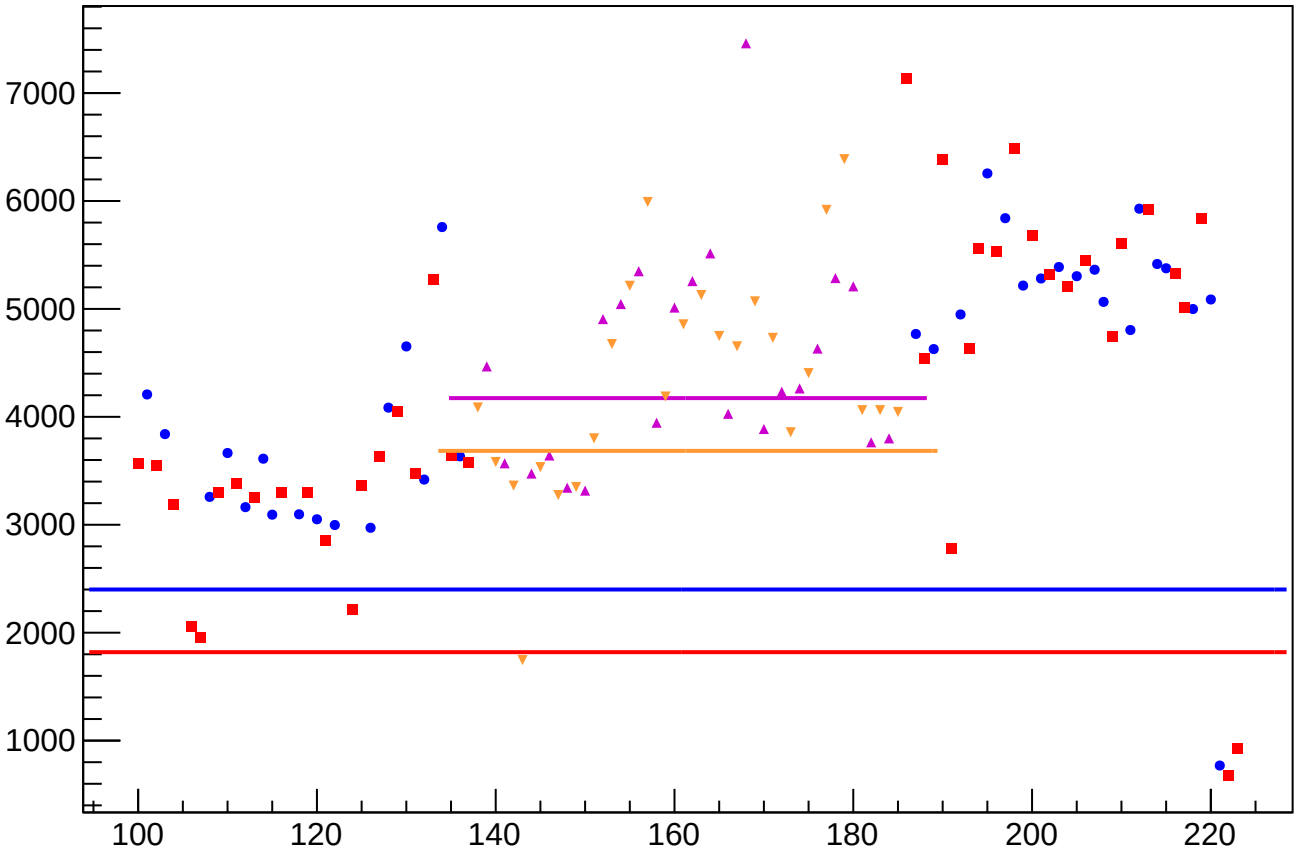
Right Out: -412.600+/-524.842 χ^2/NDF: 47.6/38

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

\+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -314.884+/-348.545 χ^2/NDF: 129.7/120

\- sign -329.712+/-464.255 χ^2/NDF: 61.8/61



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

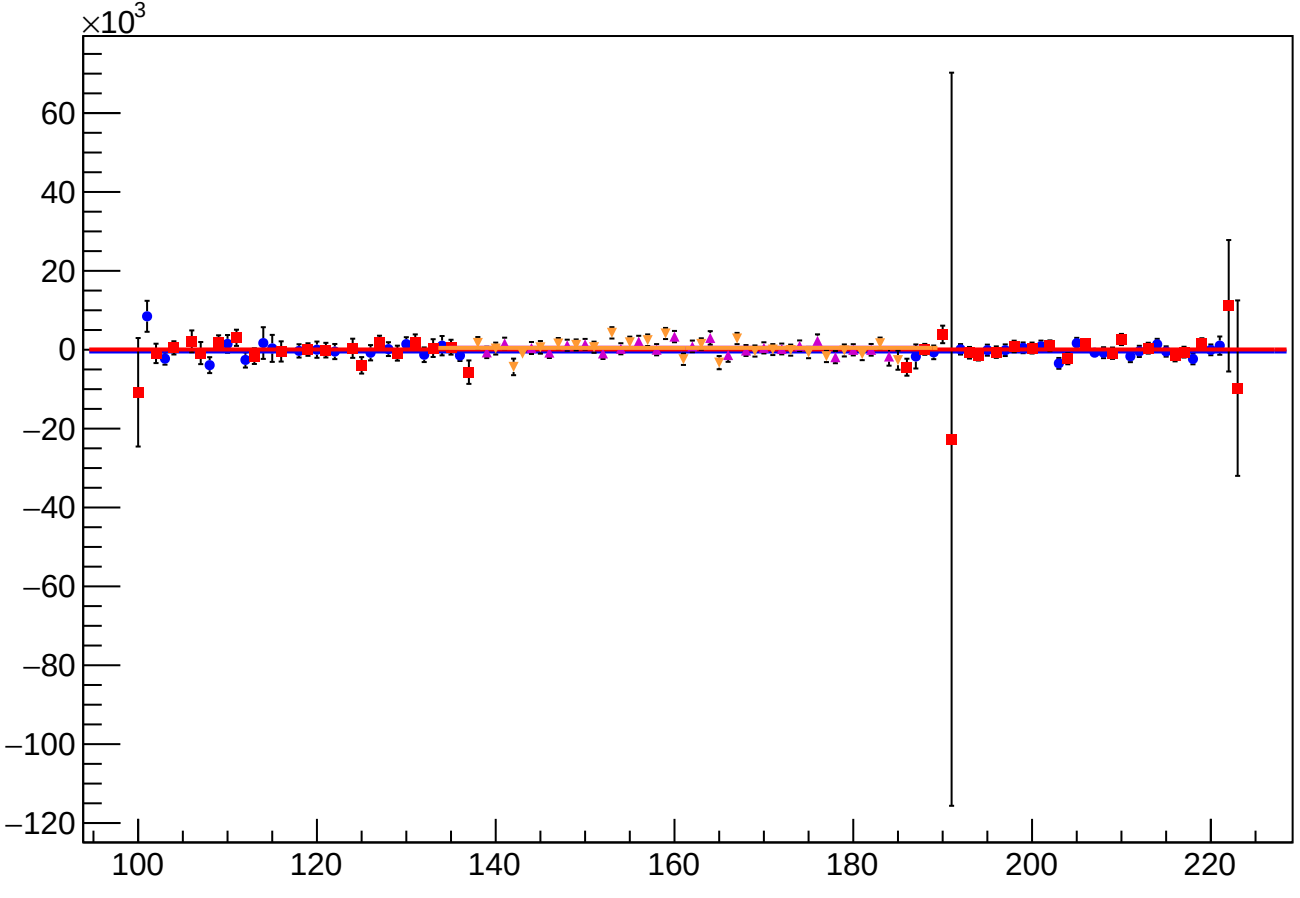
Right Out: 1819.492+/-0.371 χ^2/NDF: 21007788.1/38

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/1

- sign 2331.623+/-0.328 χ^2/NDF: 31036033.5/61



Right In: -448.114+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 67.858+/-284.000 χ^2/NDF: 35.8/38

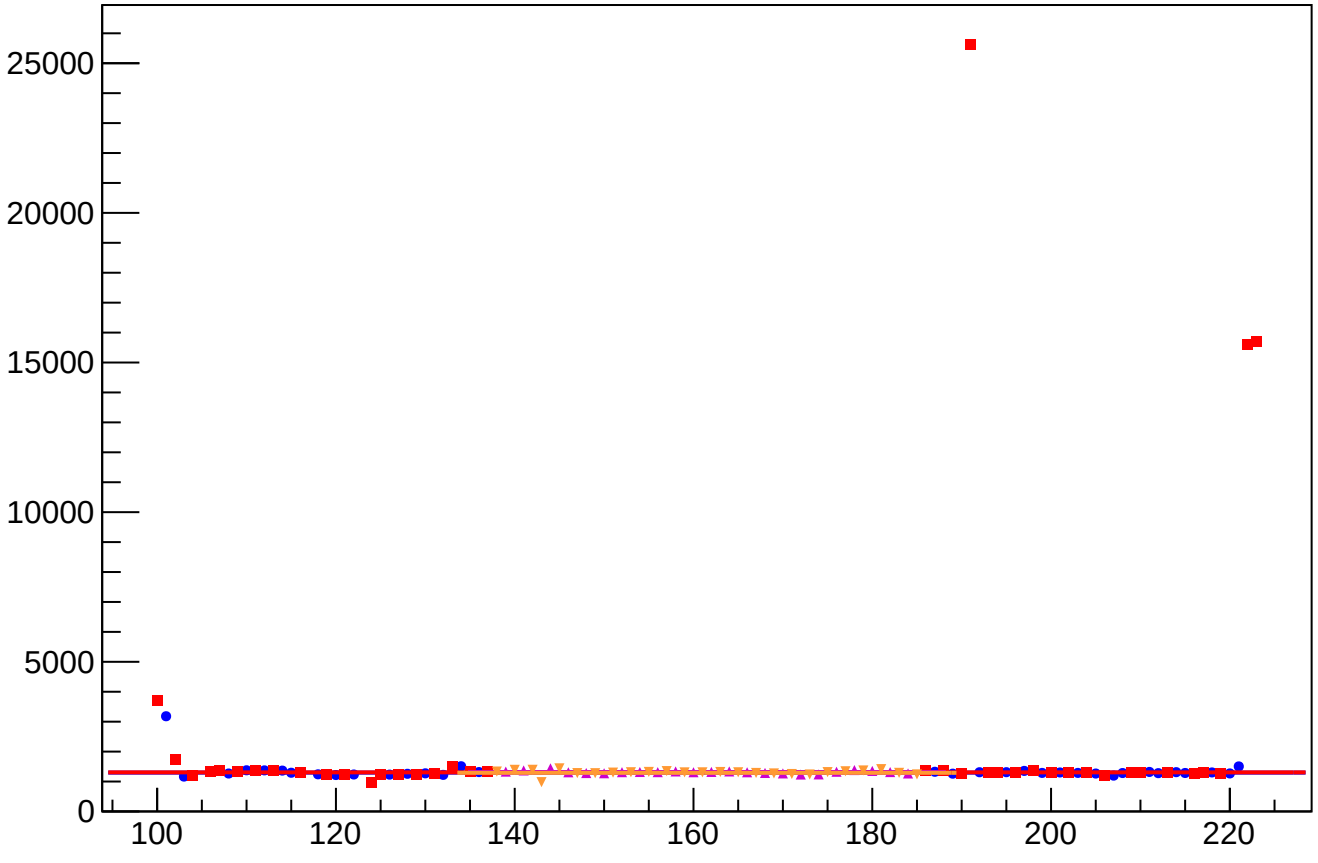
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign -9.940+/-203.513 χ^2/NDF: 77.2/58

All: 126.032+/-145.634 χ^2/NDF: 132.4/120

\- sign 268.739+/-208.493 χ^2/NDF: 54.3/61

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.8/33

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

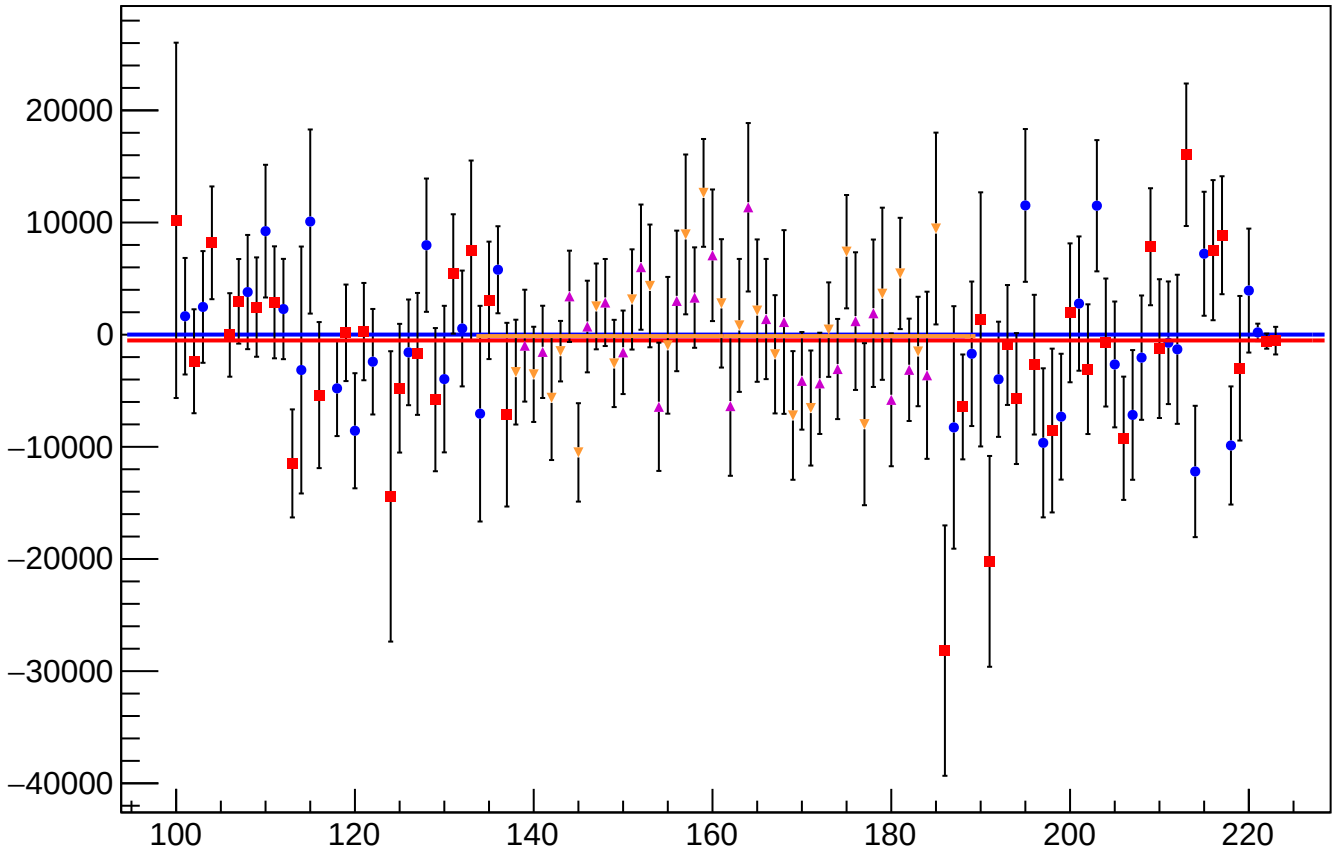
Right Out: 1306.040+/-0.201 χ^2/NDF: 2686655.6/38

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.351+/-0.144 χ^2/NDF: 778438.5/58

All: 1301.847+/-0.103 χ^2/NDF: 3514424.4/12

- sign 1309.712+/-0.147 χ^2/NDF: 2730425.9/61



Right In: 8.316+/-607.722 χ^2/NDF: 38.6/33

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

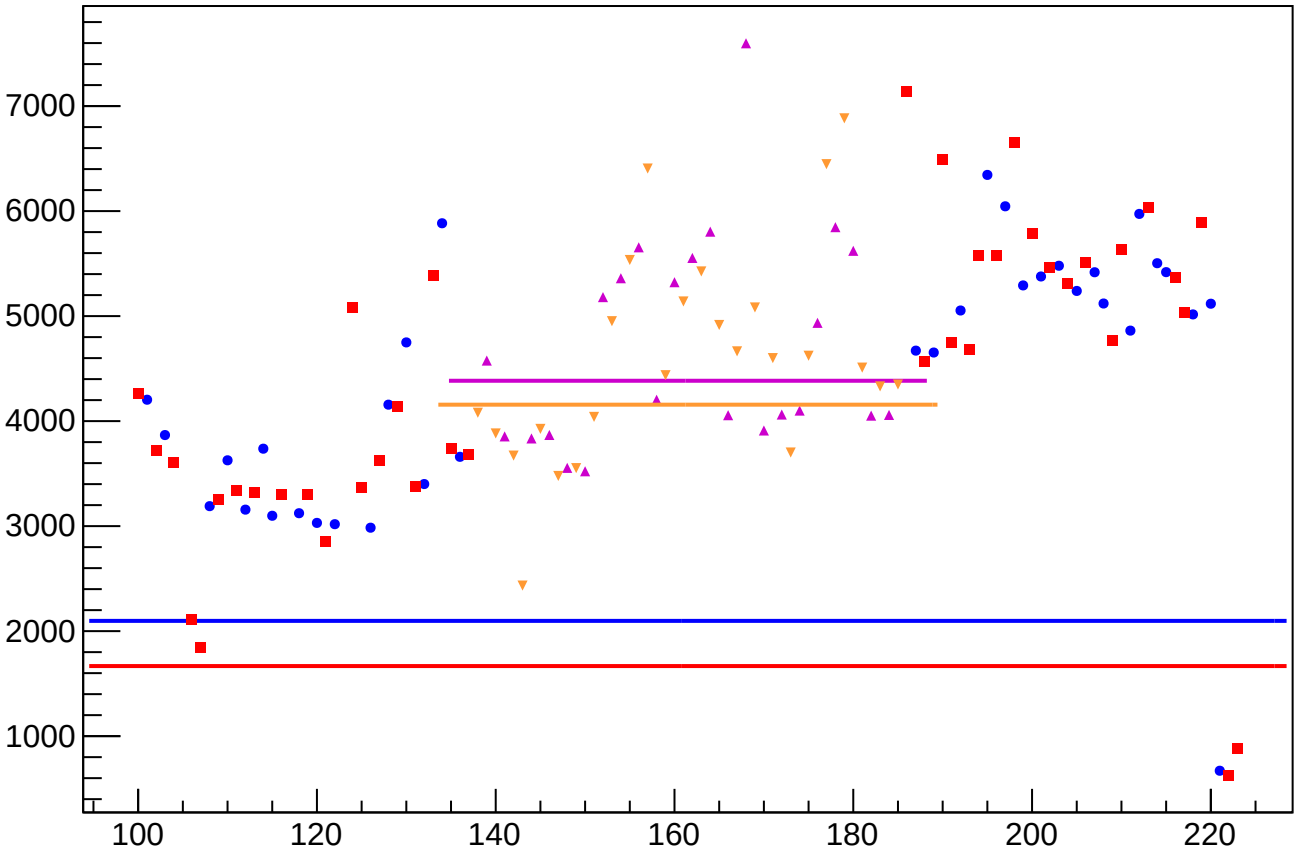
Right Out: -515.576+/-497.624 χ^2/NDF: 48.5/38

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -29.498+/-516.069 χ^2/NDF: 67.2/58

All: -268.569+/-338.878 χ^2/NDF: 130.0/120

- sign -449.801+/-449.325 χ^2/NDF: 62.4/61



Right In: 2097.688+/-0.430 χ^2/NDF: 19570960.5/33

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

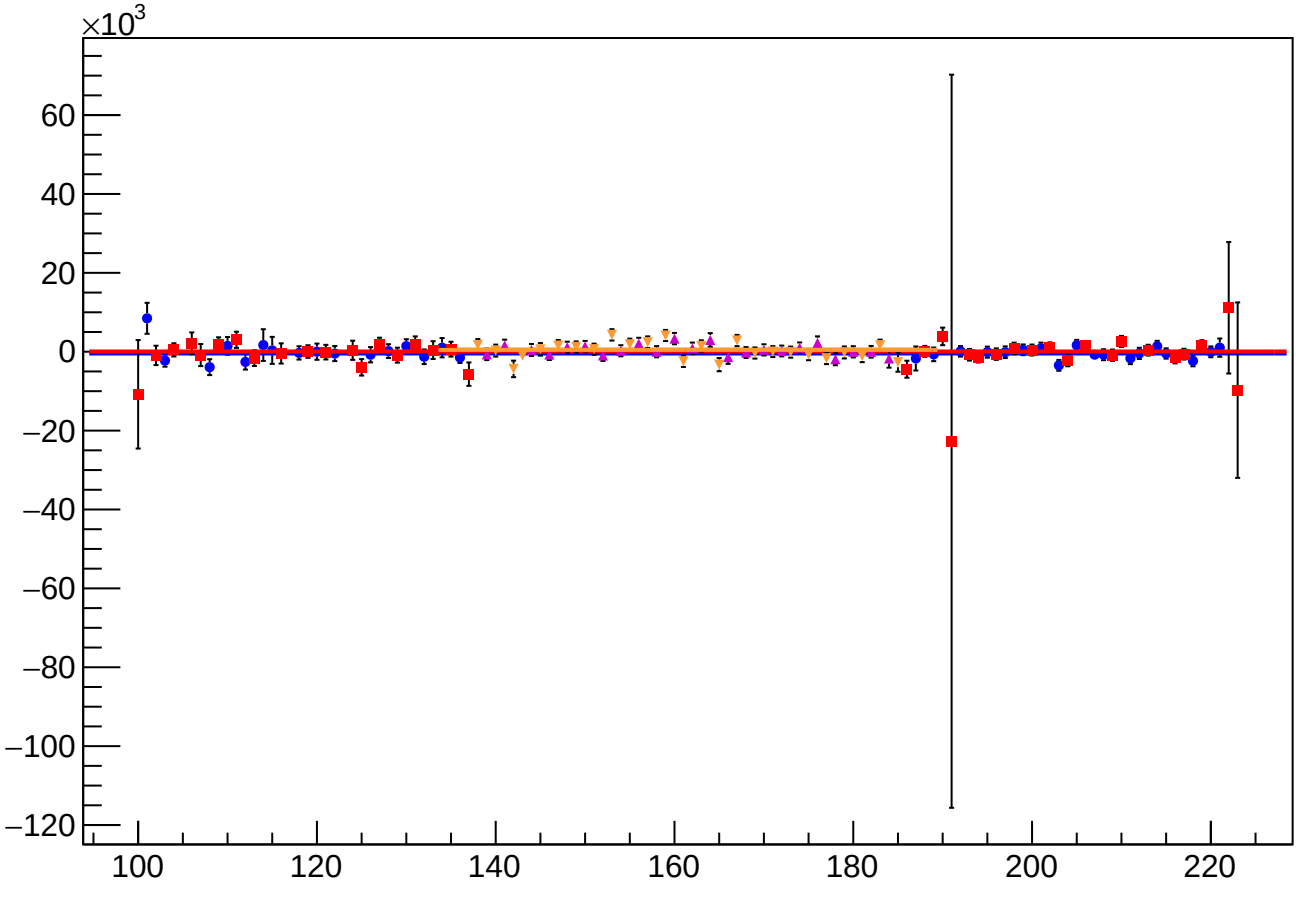
Right Out: 1667.372+/-0.352 χ^2/NDF: 23115118.8/38

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 2671.879+/-0.365 χ^2/NDF: 28053632.9/58

All: 2385.946+/-0.240 χ^2/NDF: 64515326.3/1

- sign 2169.191+/-0.318 χ^2/NDF: 35382310.4/61



Right In: -448.112+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

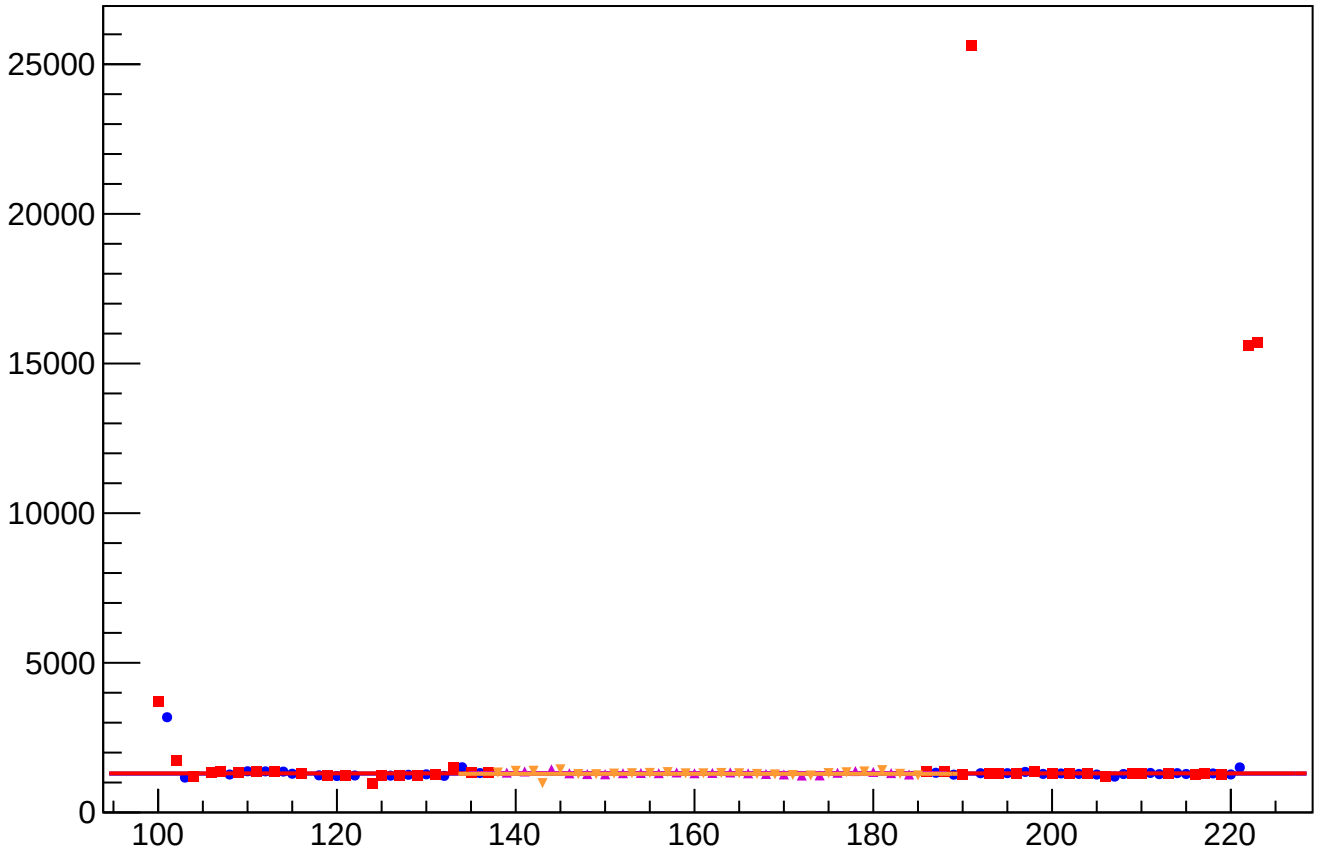
Right Out: 67.860+/-284.001 χ^2/NDF: 35.8/38

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign -9.937+/-203.513 χ^2/NDF: 77.2/58

All: 126.033+/-145.634 χ^2/NDF: 132.4/120

\- sign 268.740+/-208.493 χ^2/NDF: 54.3/61



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.9/33

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

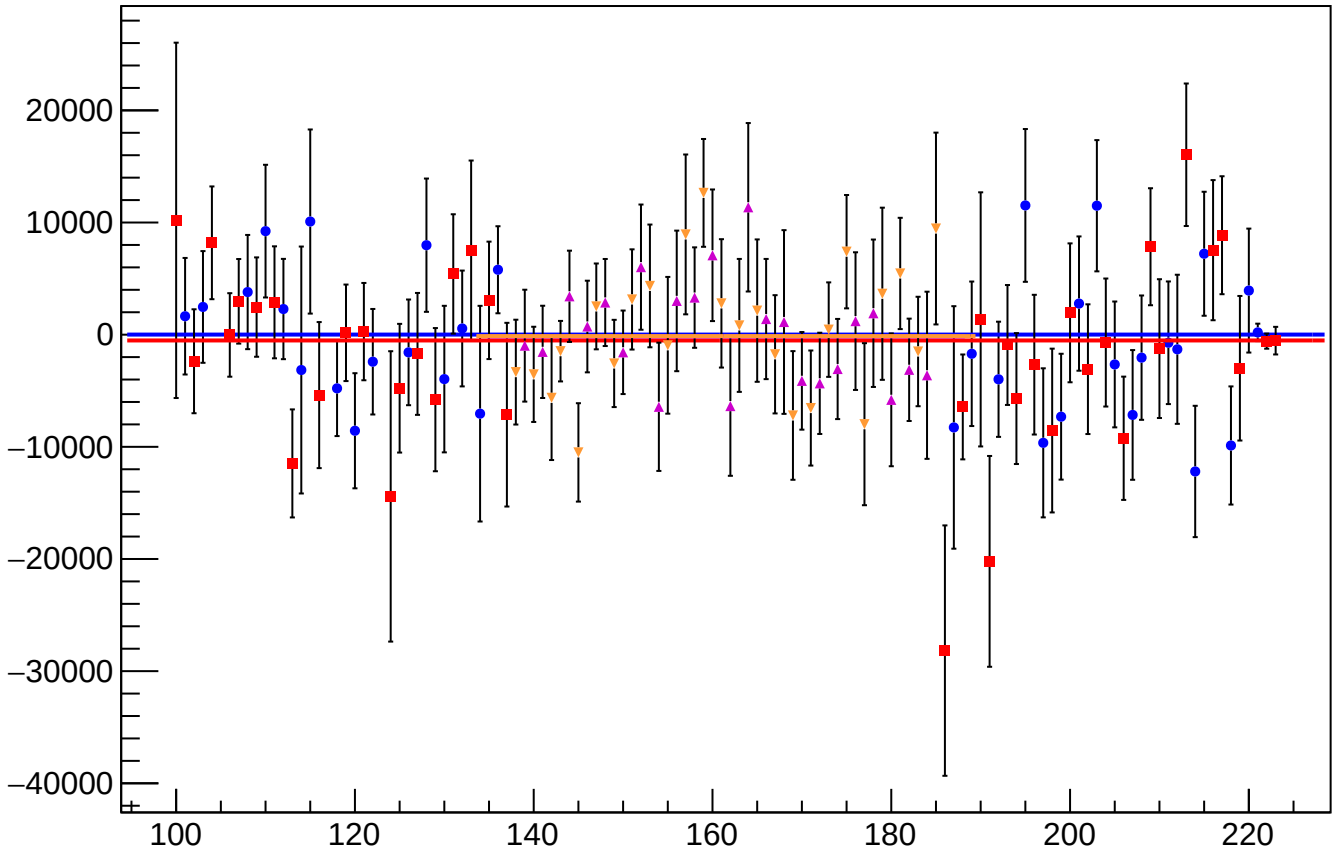
Right Out: 1306.040+/-0.201 χ^2/NDF: 2686655.6/38

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.352+/-0.144 χ^2/NDF: 778440.9/58

All: 1301.847+/-0.103 χ^2/NDF: 3514429.2/12

- sign 1309.712+/-0.147 χ^2/NDF: 2730428.2/61



Right In: 8.322+/-607.725 χ^2/NDF: 38.6/33

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

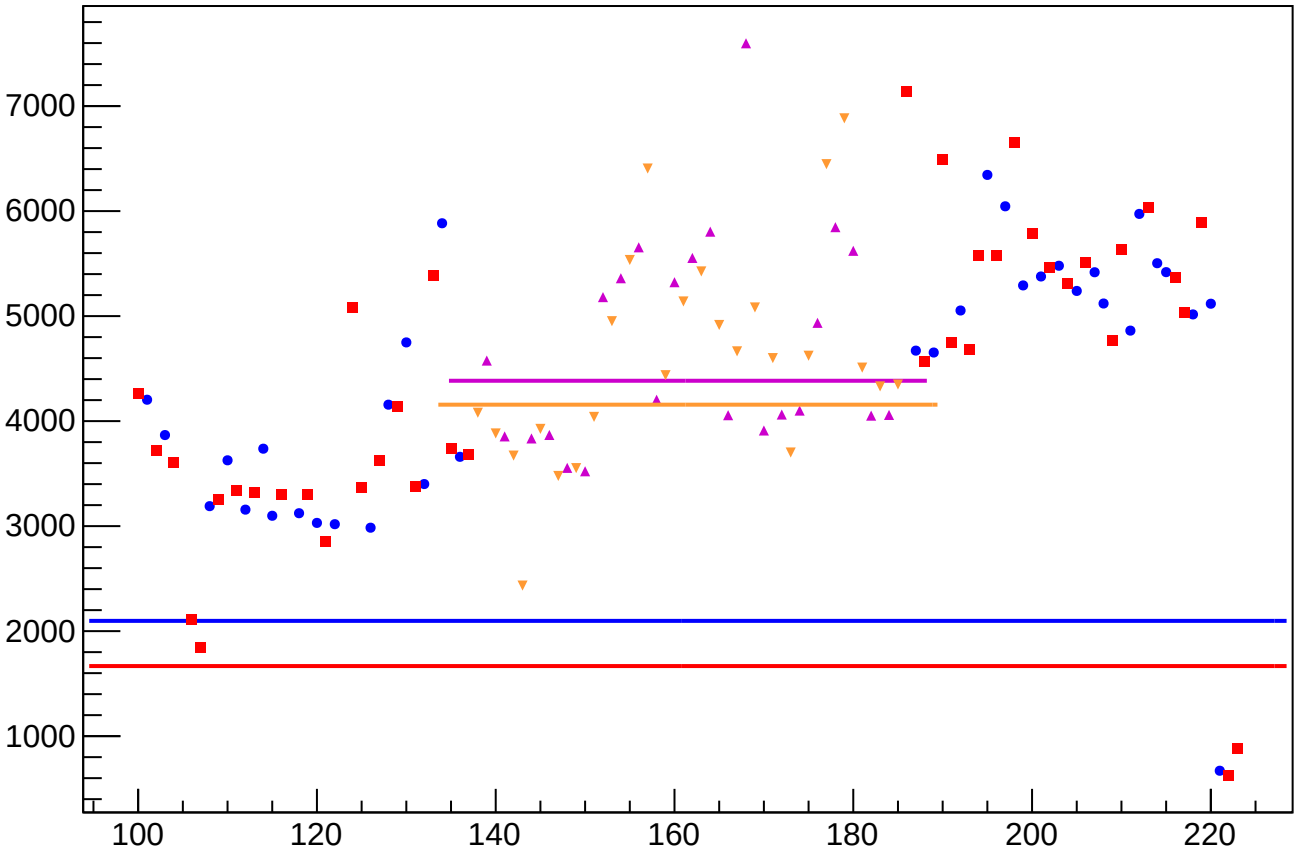
Right Out: -515.578+/-497.626 χ^2/NDF: 48.5/38

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -29.493+/-516.071 χ^2/NDF: 67.2/58

All: -268.568+/-338.879 χ^2/NDF: 130.0/120

- sign -449.802+/-449.326 χ^2/NDF: 62.4/61



Right In: 2097.705+/-0.430 χ^2/NDF: 19570803.2/33

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 1667.380+/-0.352 χ^2/NDF: 23115034.3/38

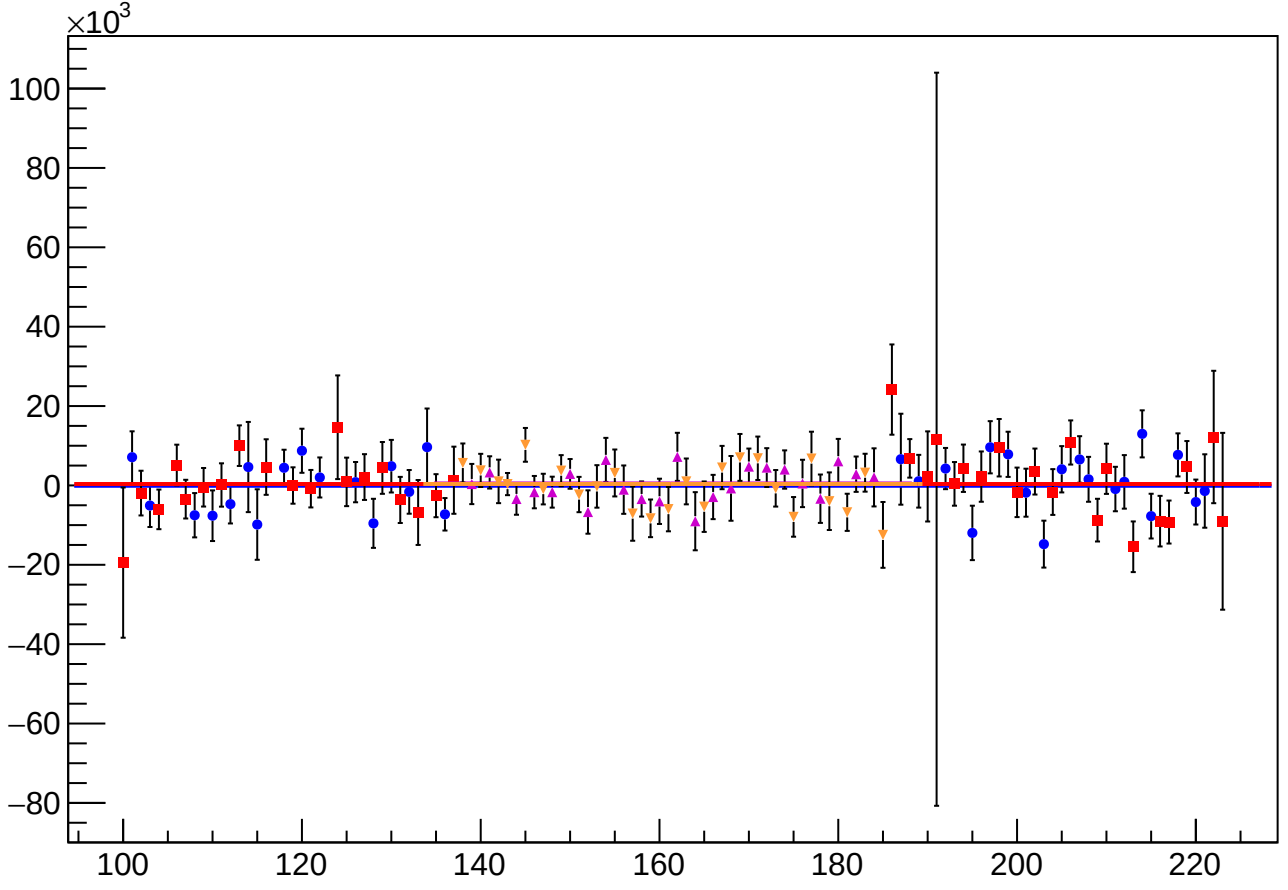
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 2671.895+/-0.365 χ^2/NDF: 28053382.8/58

All: 2385.957+/-0.240 χ^2/NDF: 64514977.8/1

- sign 2169.199+/-0.318 χ^2/NDF: 35382183.6/61

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -85.048+/-1017.030 χ^2/NDF: 44.0/33

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 354.309+/-993.553 χ^2/NDF: 39.8/38

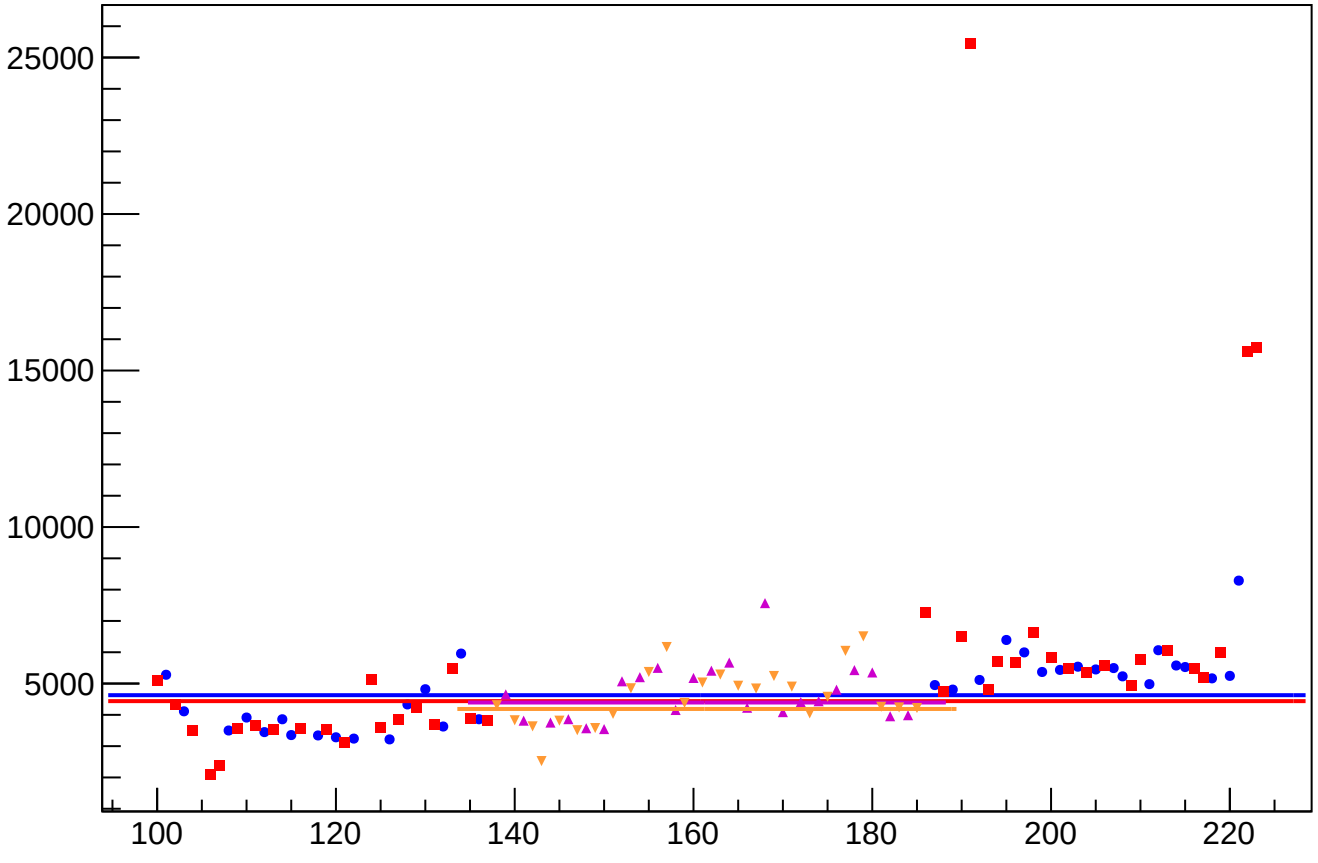
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign 147.068+/-705.641 χ^2/NDF: 71.7/58

All: 281.933+/-503.947 χ^2/NDF: 125.5/120

\- sign 422.323+/-719.953 χ^2/NDF: 53.7/61

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4628.356+/-0.719 χ^2/NDF: 2095028.5/33

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

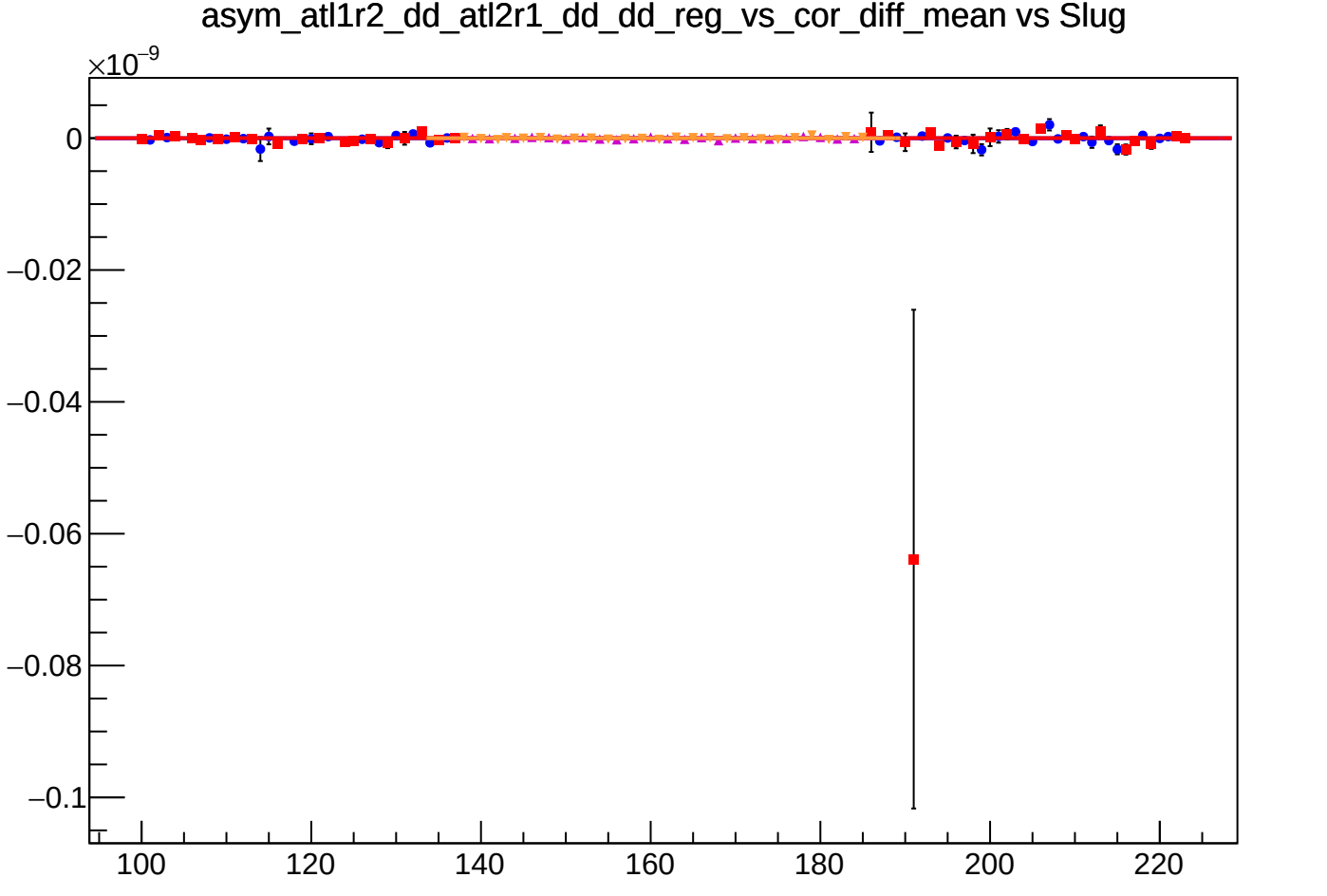
Right Out: 4438.226+/-0.697 χ^2/NDF: 4431422.5/38

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4399.906+/-0.499 χ^2/NDF: 4085959.8/58

All: 4408.583+/-0.356 χ^2/NDF: 9608259.9/12

- sign 4417.543+/-0.507 χ^2/NDF: 5521685.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

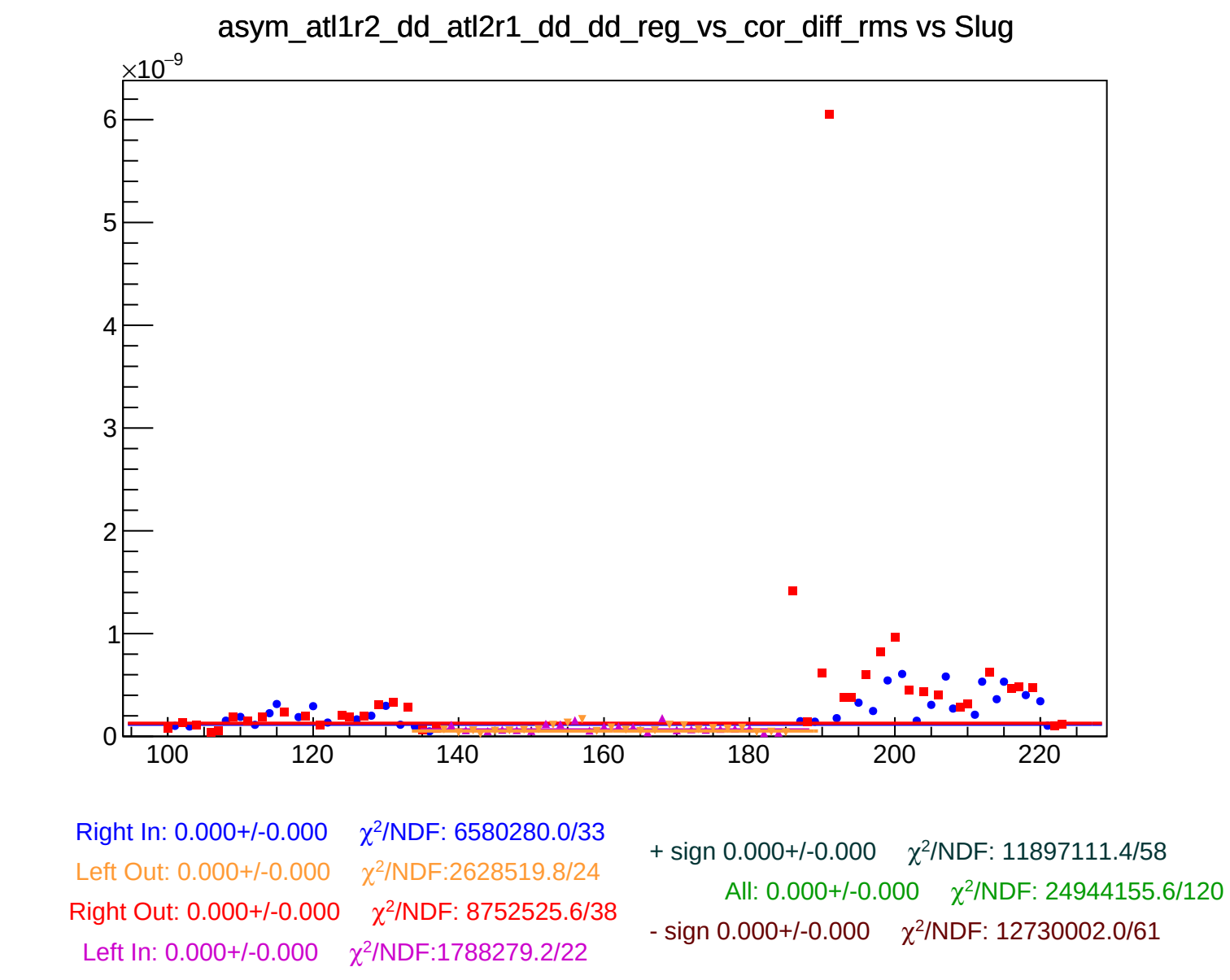
Right Out: 0.000+/-0.000 χ^2/NDF: 44.9/38

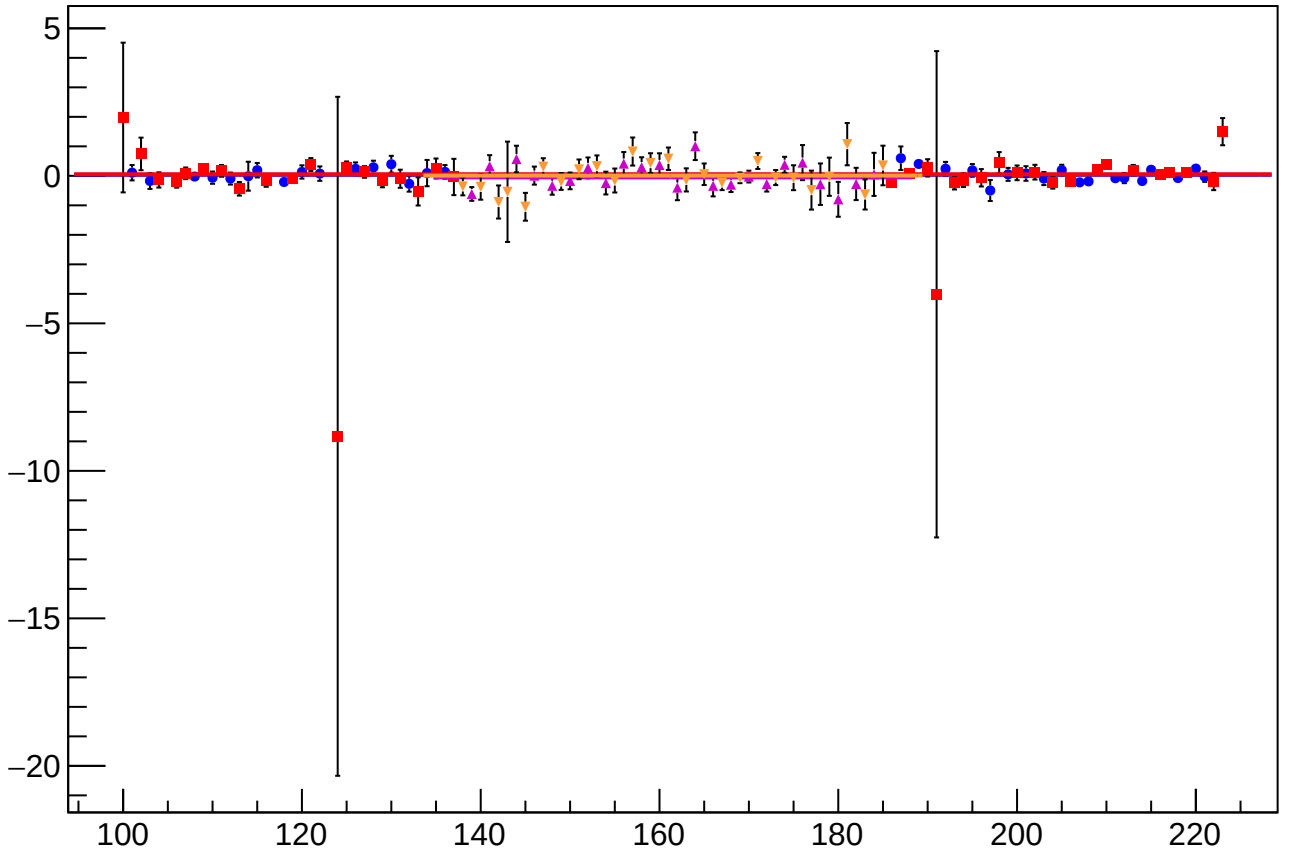
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.8/58

All: -0.000+/-0.000 χ^2/NDF: 135.1/120

- sign -0.000+/-0.000 χ^2/NDF: 62.2/61


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6580280.0/33
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8752525.6/38
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11897111.4/58
All: 0.000+/-0.000 χ²/NDF: 24944155.6/120
- sign 0.000+/-0.000 χ²/NDF: 12730002.0/61



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

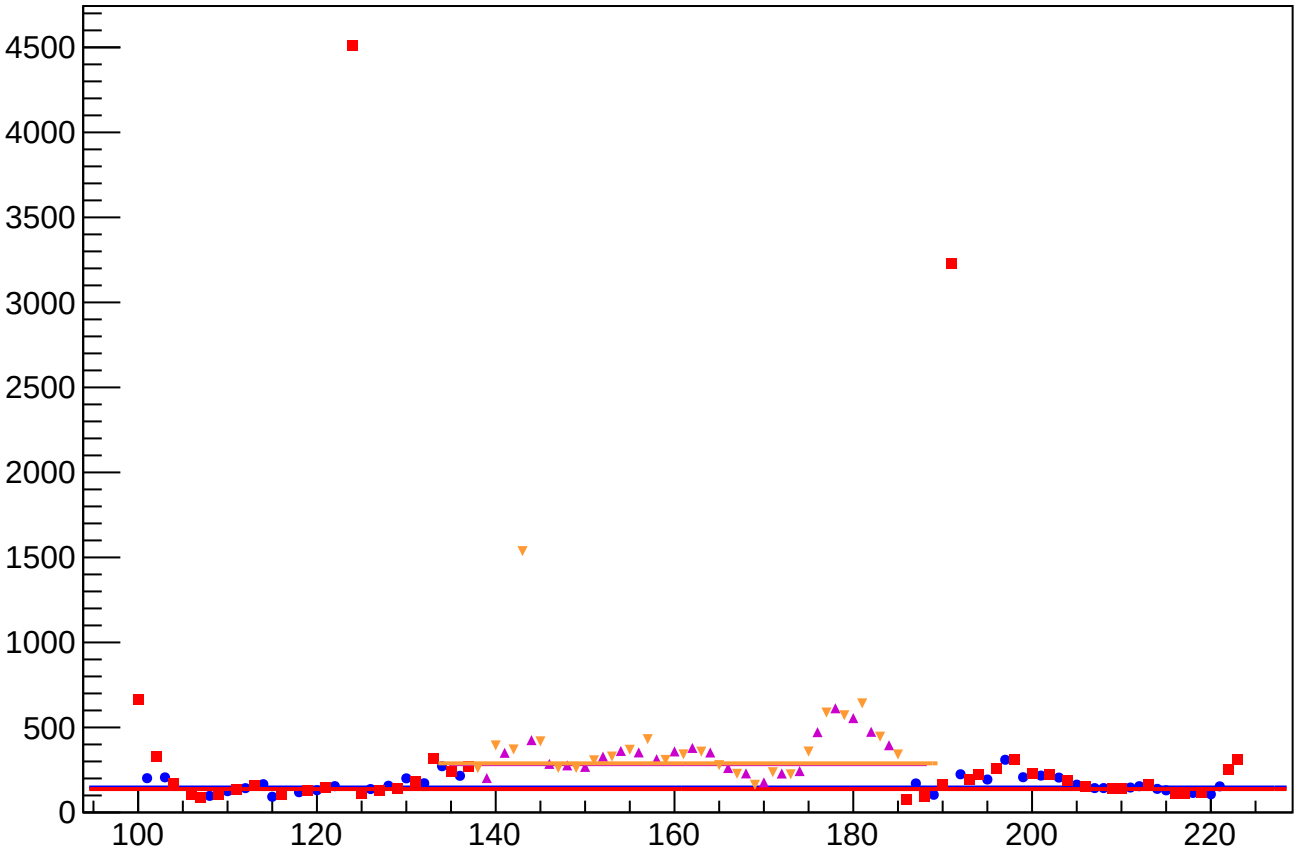
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

\+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

\- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786151.2/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 137.592+/-0.023 χ^2/NDF: 5544675.9/38

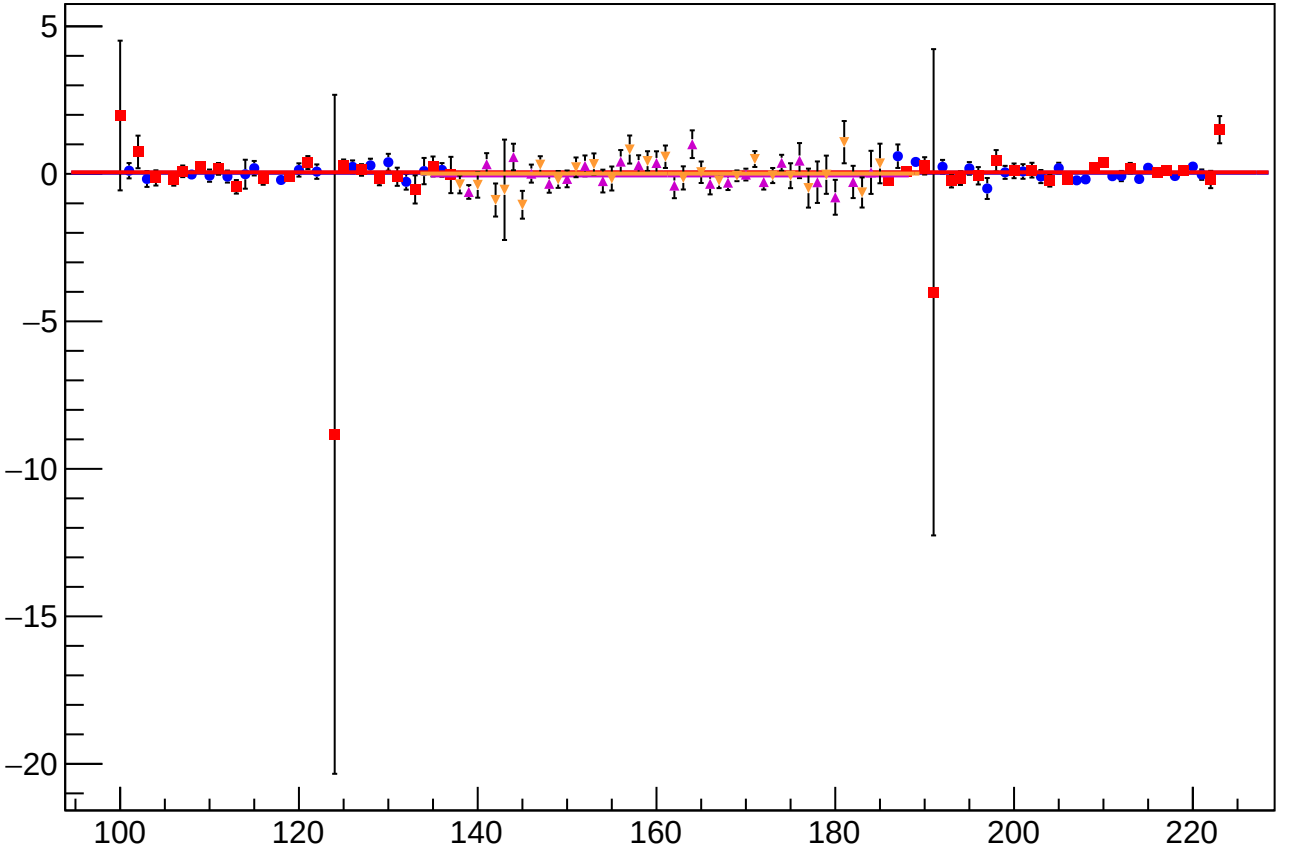
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.105+/-0.021 χ^2/NDF: 14022479.3/58

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

- sign 162.475+/-0.021 χ^2/NDF: 15819284.4/61

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

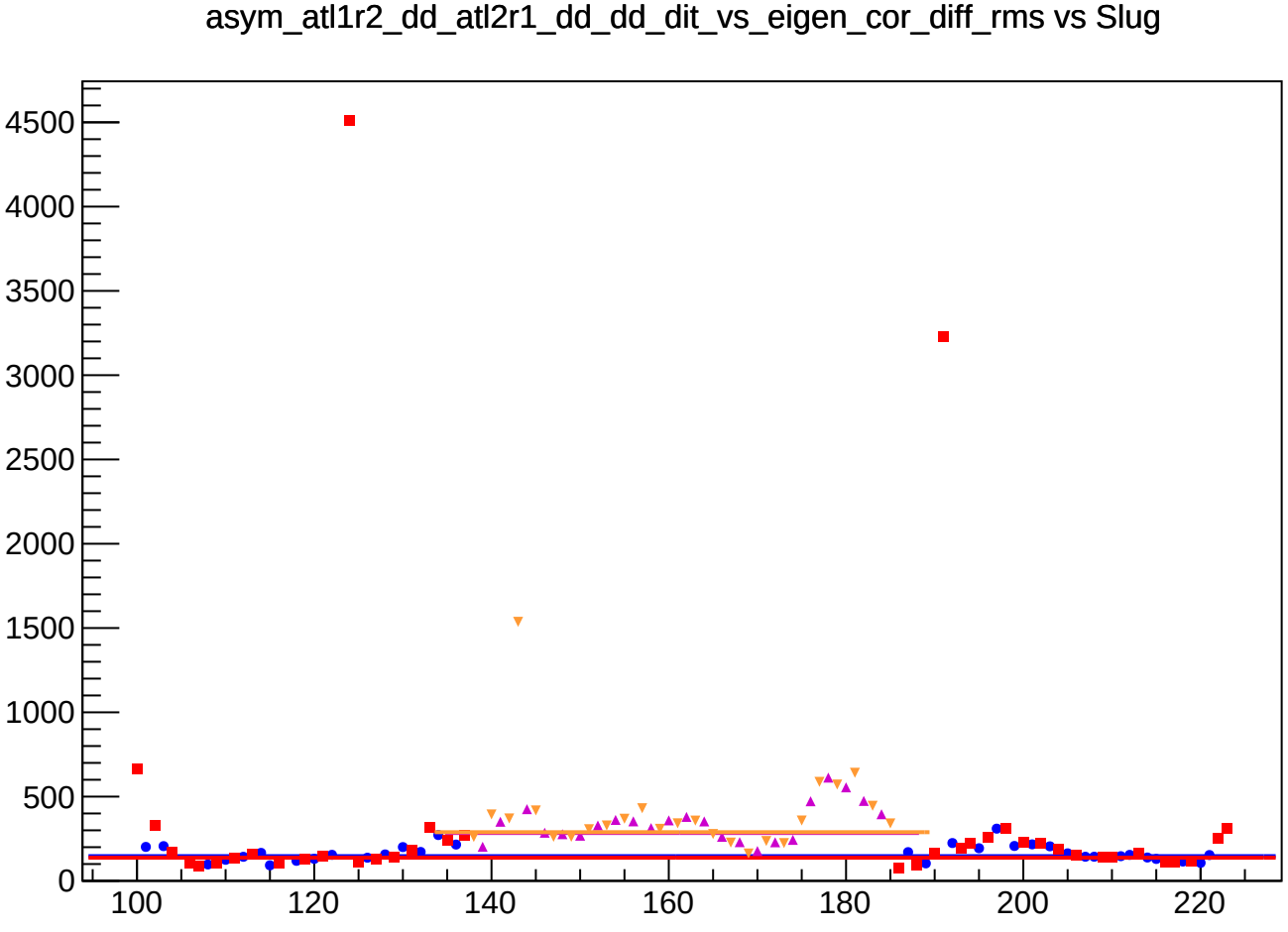
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786151.2/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

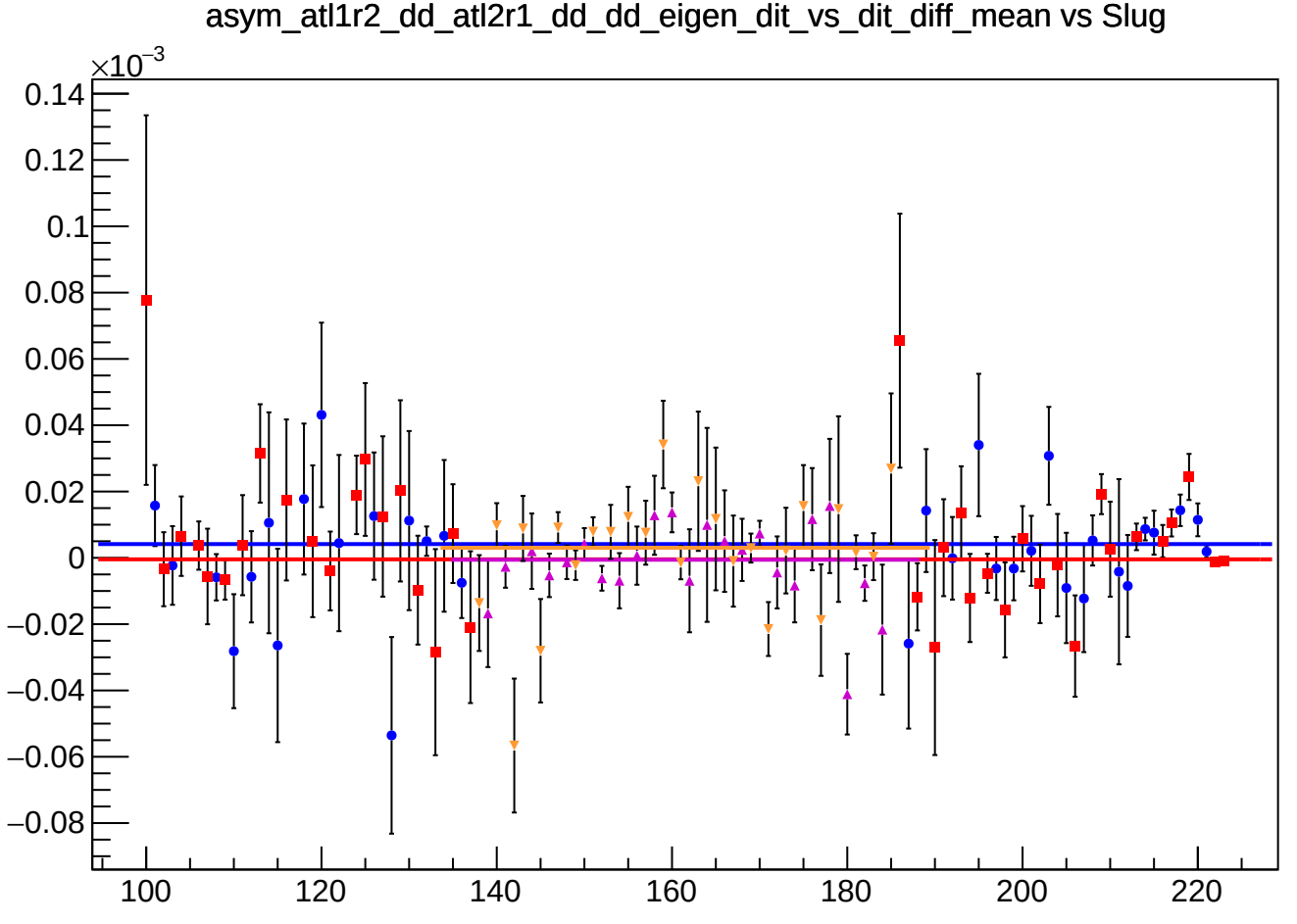
Right Out: 137.592+/-0.023 χ^2/NDF: 5544675.9/38

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.105+/-0.021 χ^2/NDF: 14022479.3/58

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

- sign 162.475+/-0.021 χ^2/NDF: 15819284.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

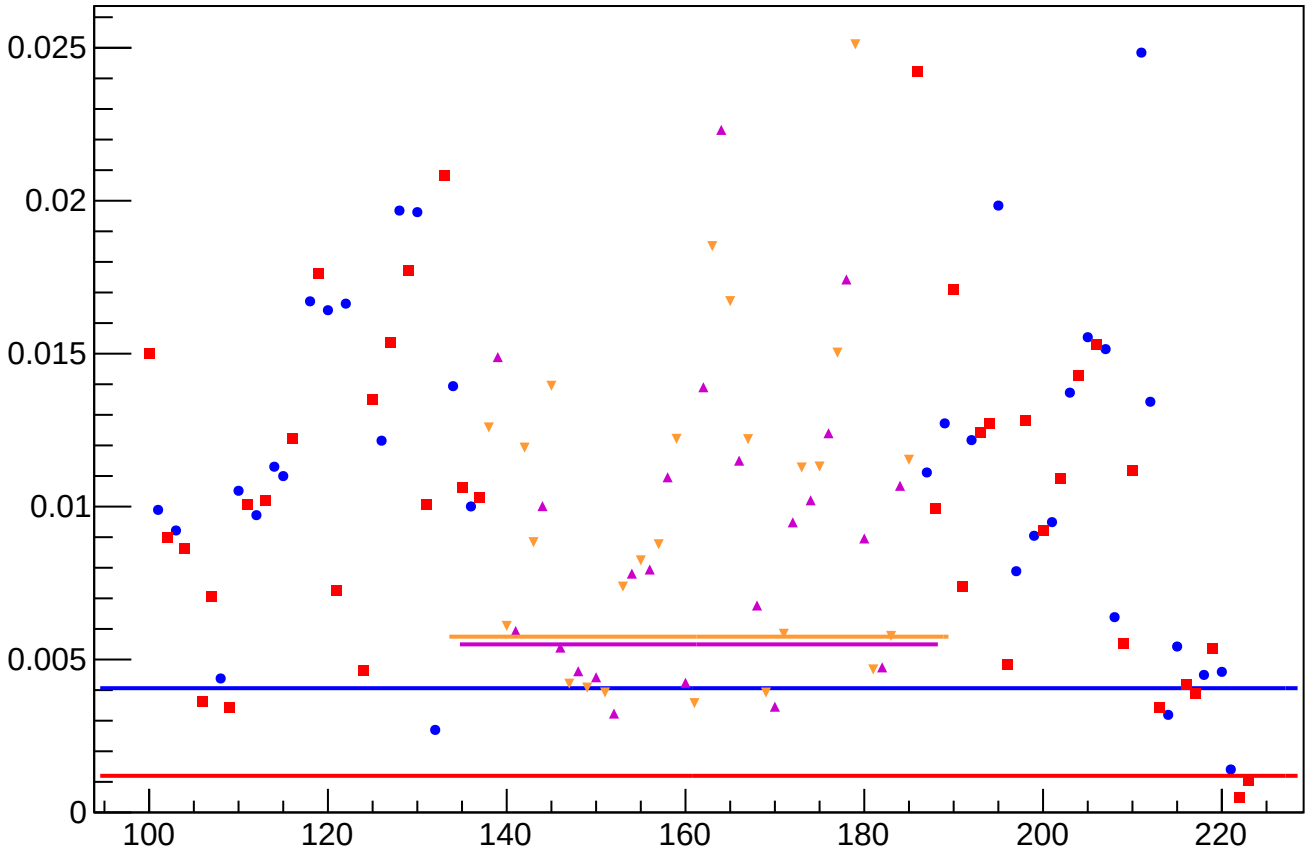
Right Out: -0.000+/-0.000 χ^2/NDF: 65.3/38

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.6/58

All: 0.000+/-0.000 χ^2/NDF: 193.3/120

- sign -0.000+/-0.000 χ^2/NDF: 98.5/61



Right In: 0.004+/-0.000 χ^2/NDF: 18926089.1/33

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

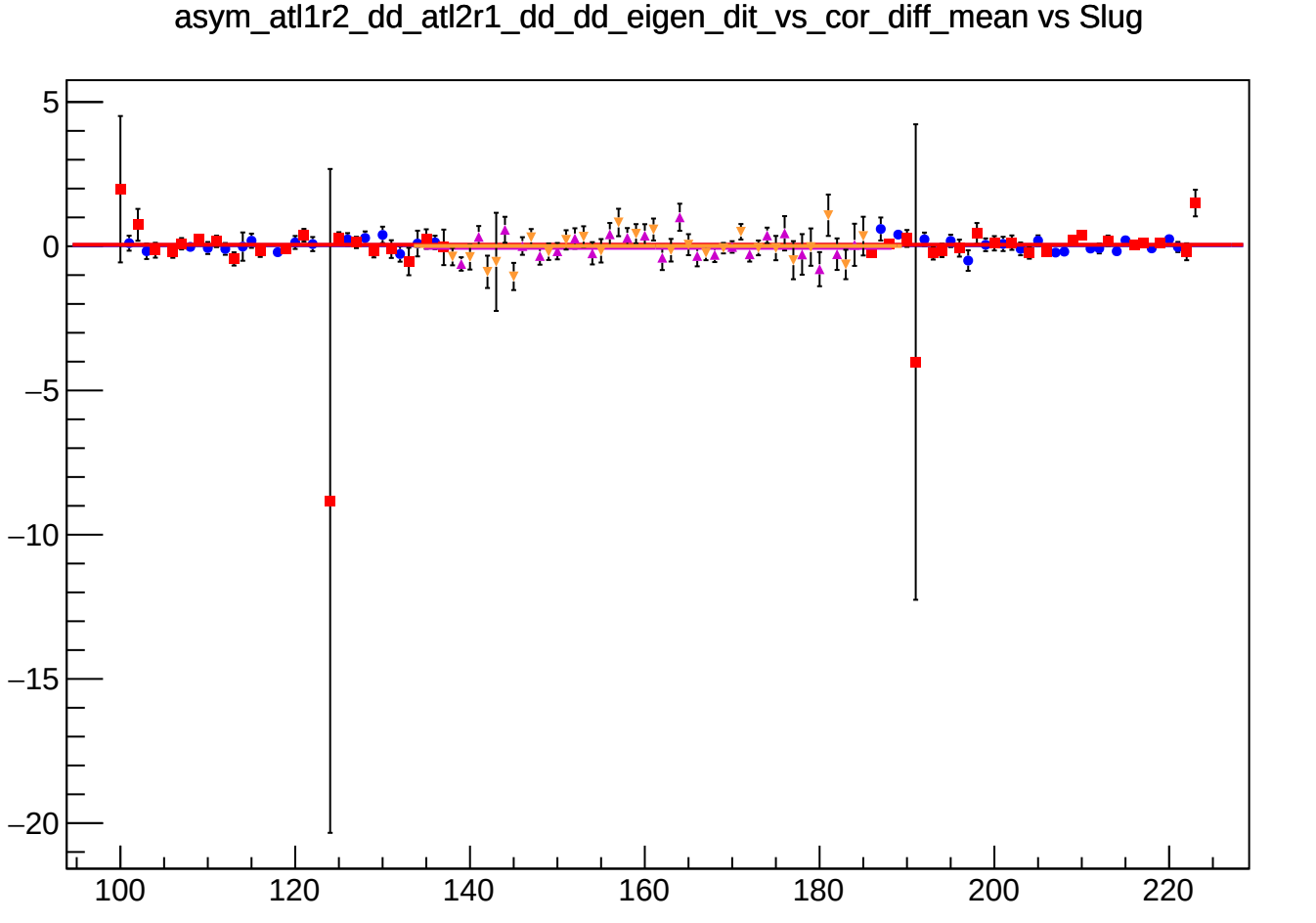
Right Out: 0.001+/-0.000 χ^2/NDF: 32225789.6/38

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.005+/-0.000 χ^2/NDF: 28552169.1/58

All: 0.002+/-0.000 χ^2/NDF: 98287235.8/120

- sign 0.002+/-0.000 χ^2/NDF: 53492310.8/61



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

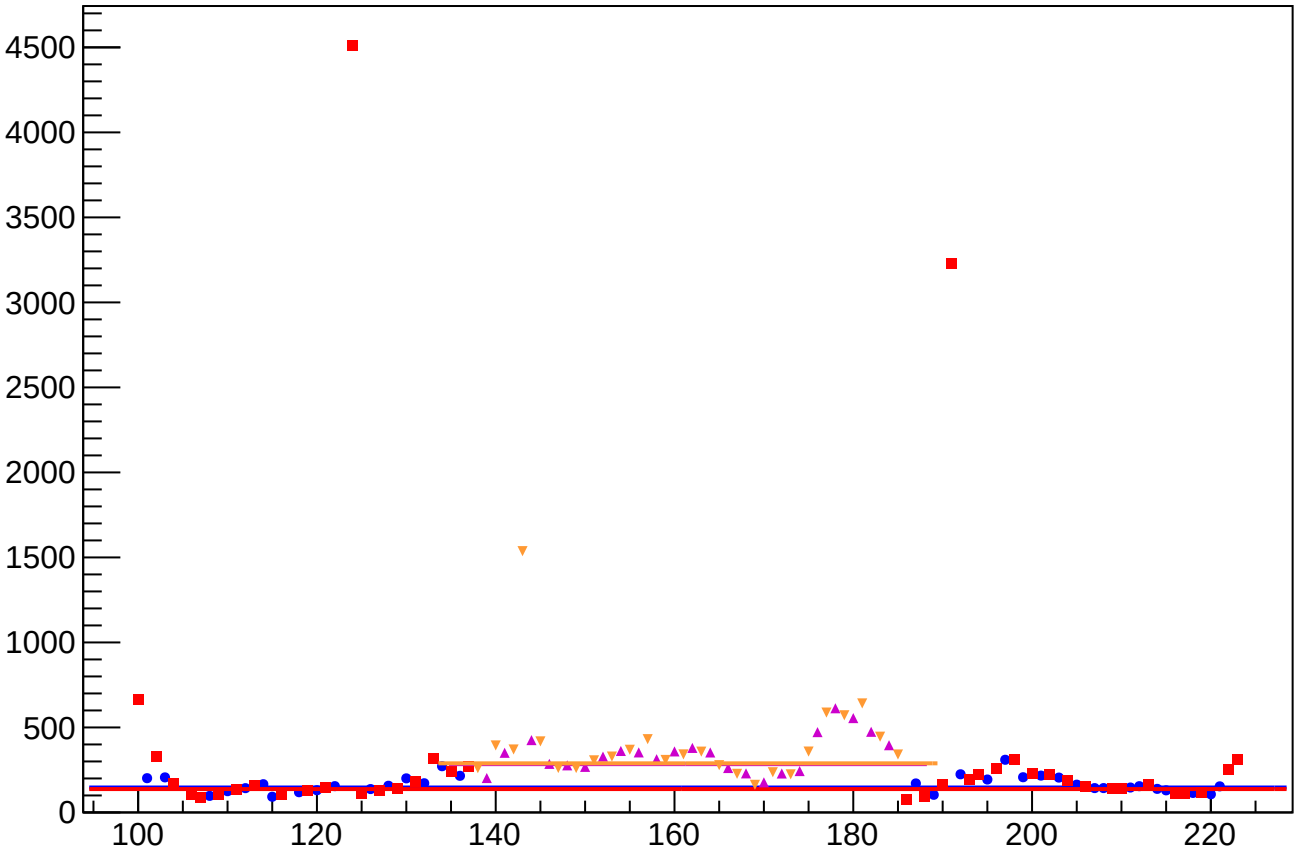
Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

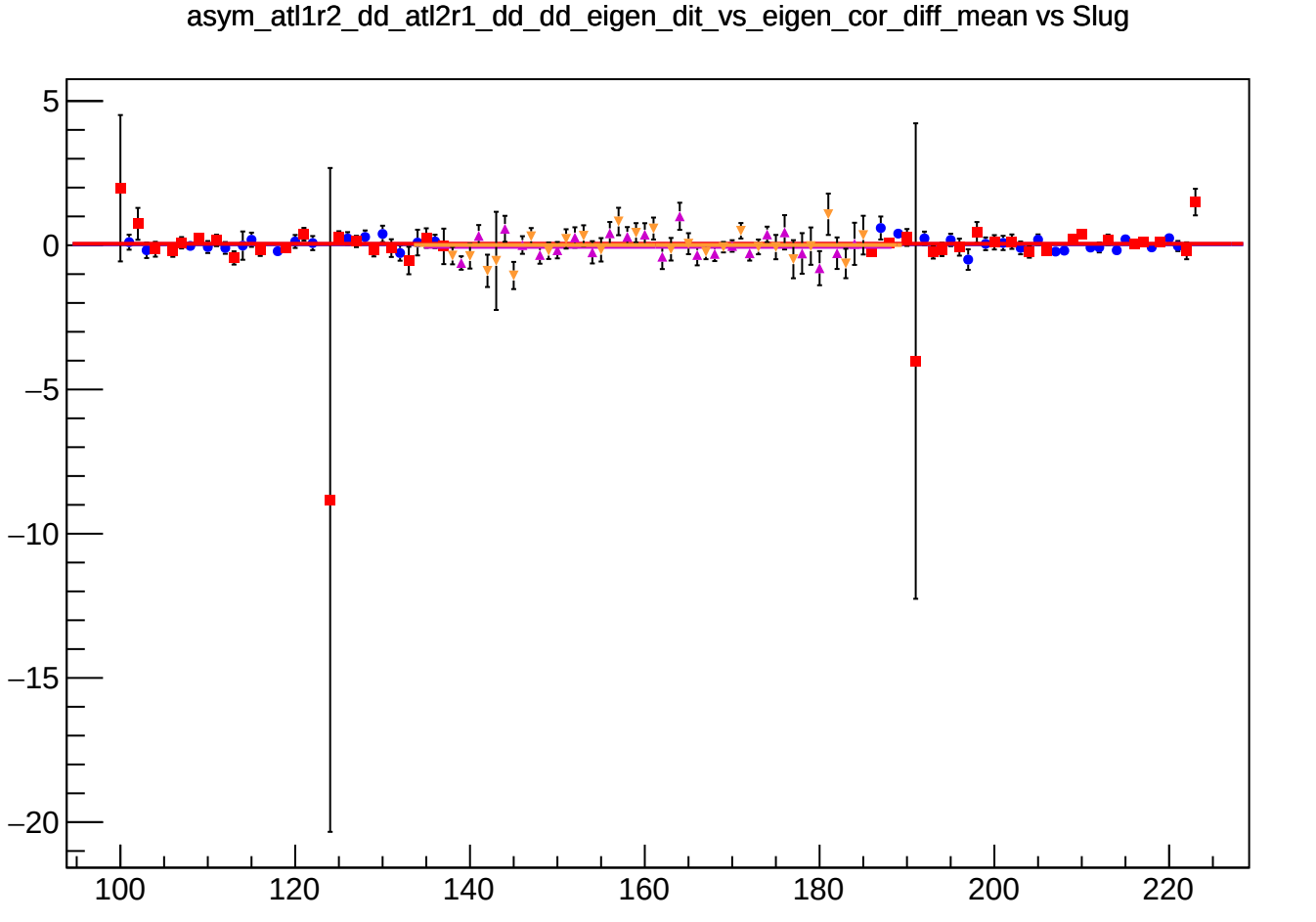
Right Out: 137.593+/-0.023 χ^2/NDF: 5544487.2/38

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12

- sign 162.477+/-0.021 χ^2/NDF: 15819058.3/61



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.052+/-0.032 χ^2/NDF: 52.1/38

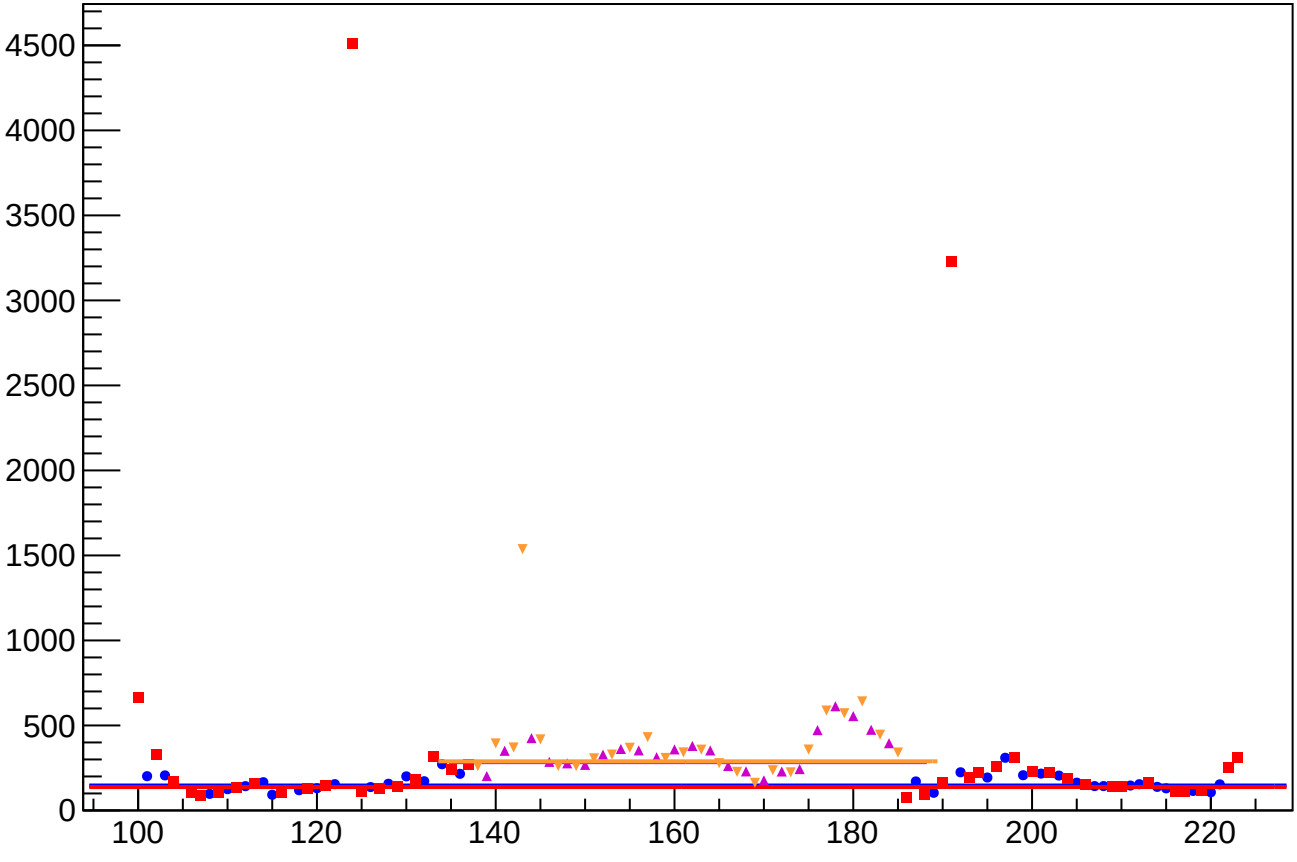
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.033+/-0.021 χ^2/NDF: 146.1/120

- sign 0.034+/-0.029 χ^2/NDF: 81.7/61

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

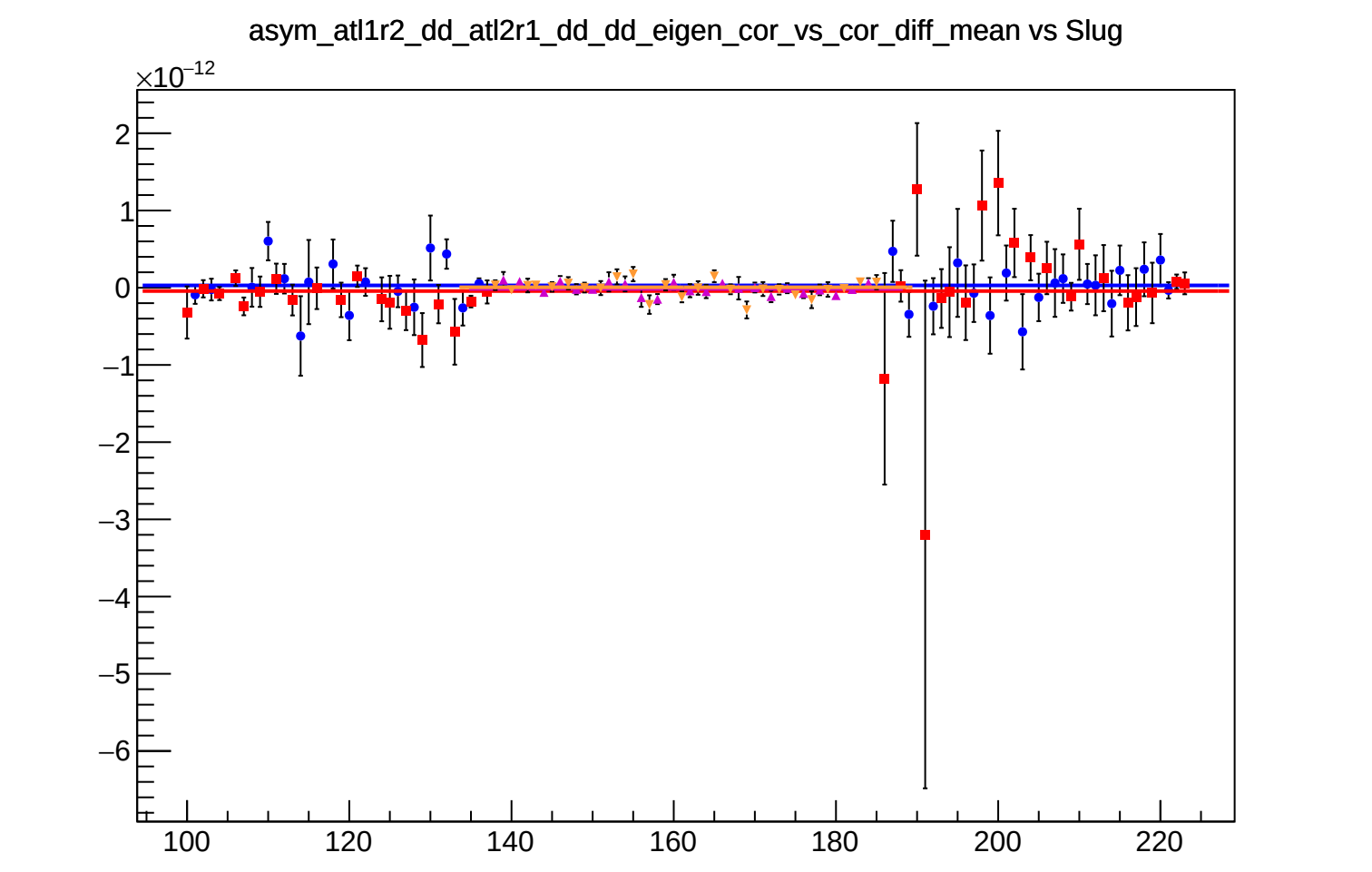
Right Out: 137.593+/-0.023 χ^2/NDF: 5544487.2/38

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12

- sign 162.477+/-0.021 χ^2/NDF: 15819058.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

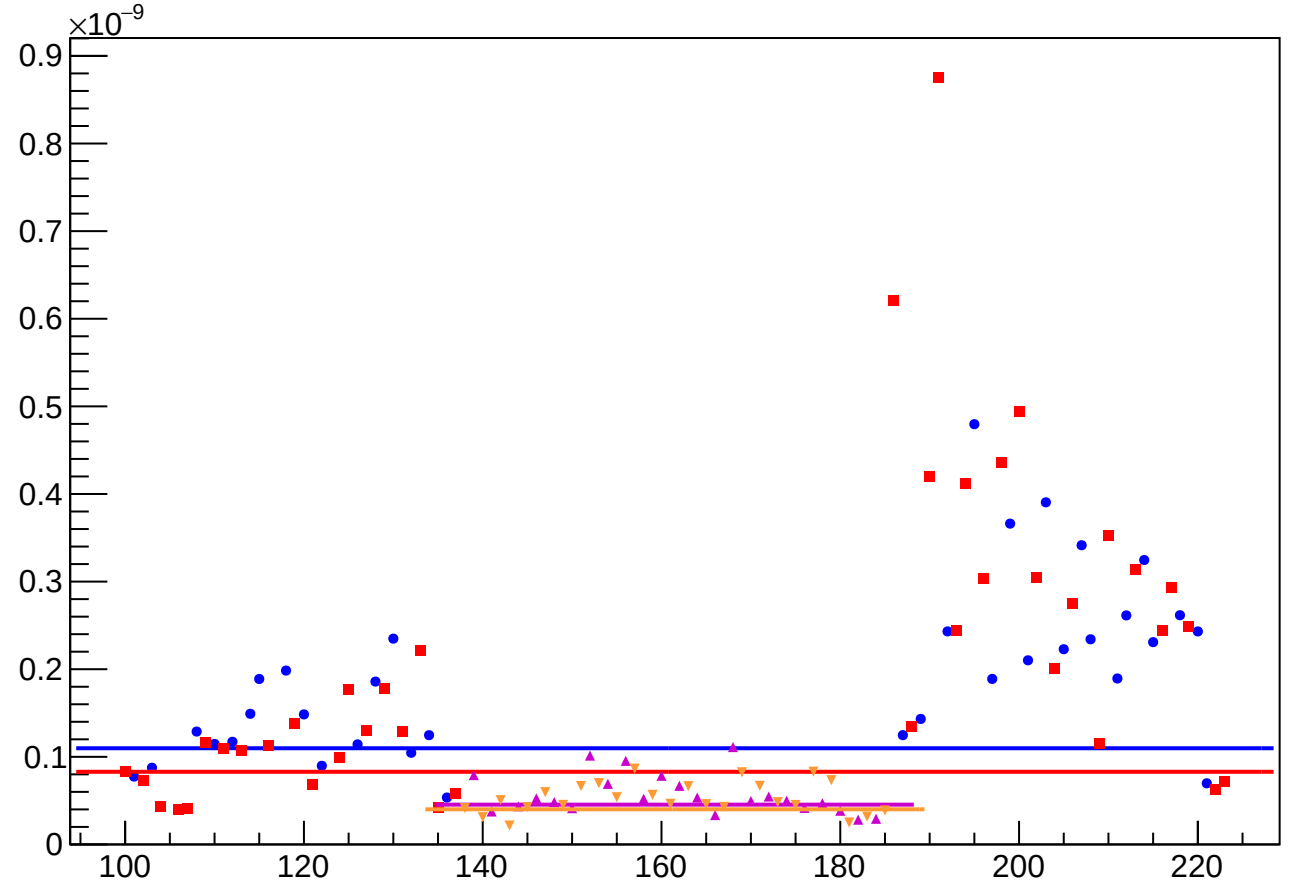
Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/38

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/58

All: -0.000+/-0.000 χ^2/NDF: 129.1/120

- sign -0.000+/-0.000 χ^2/NDF: 64.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 7882944.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10500367.7/38

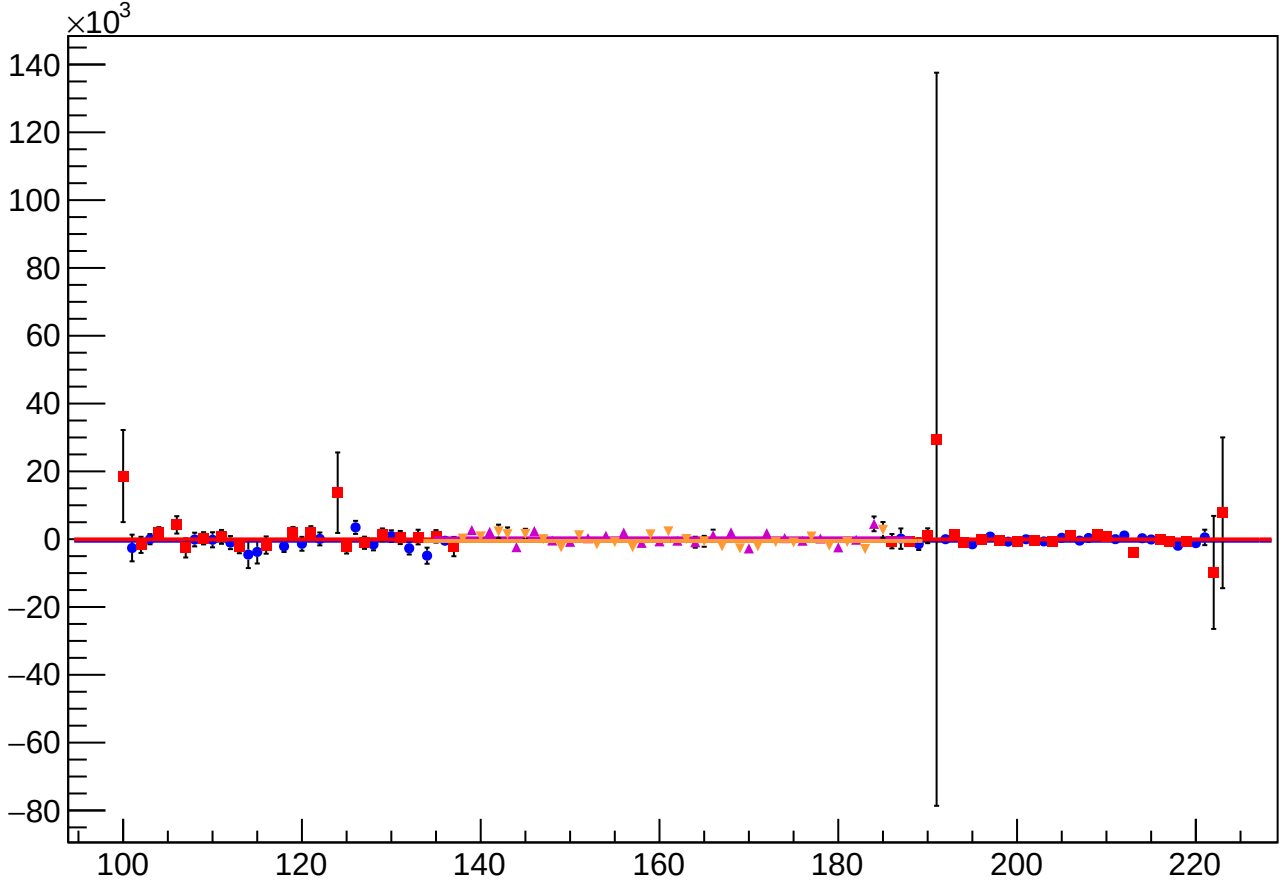
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18185511.9/58

All: 0.000+/-0.000 χ^2/NDF: 34292033.4/120

- sign 0.000+/-0.000 χ^2/NDF: 15953032.8/61

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -447.361+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -62.274+/-280.509 χ^2/NDF: 30.7/38

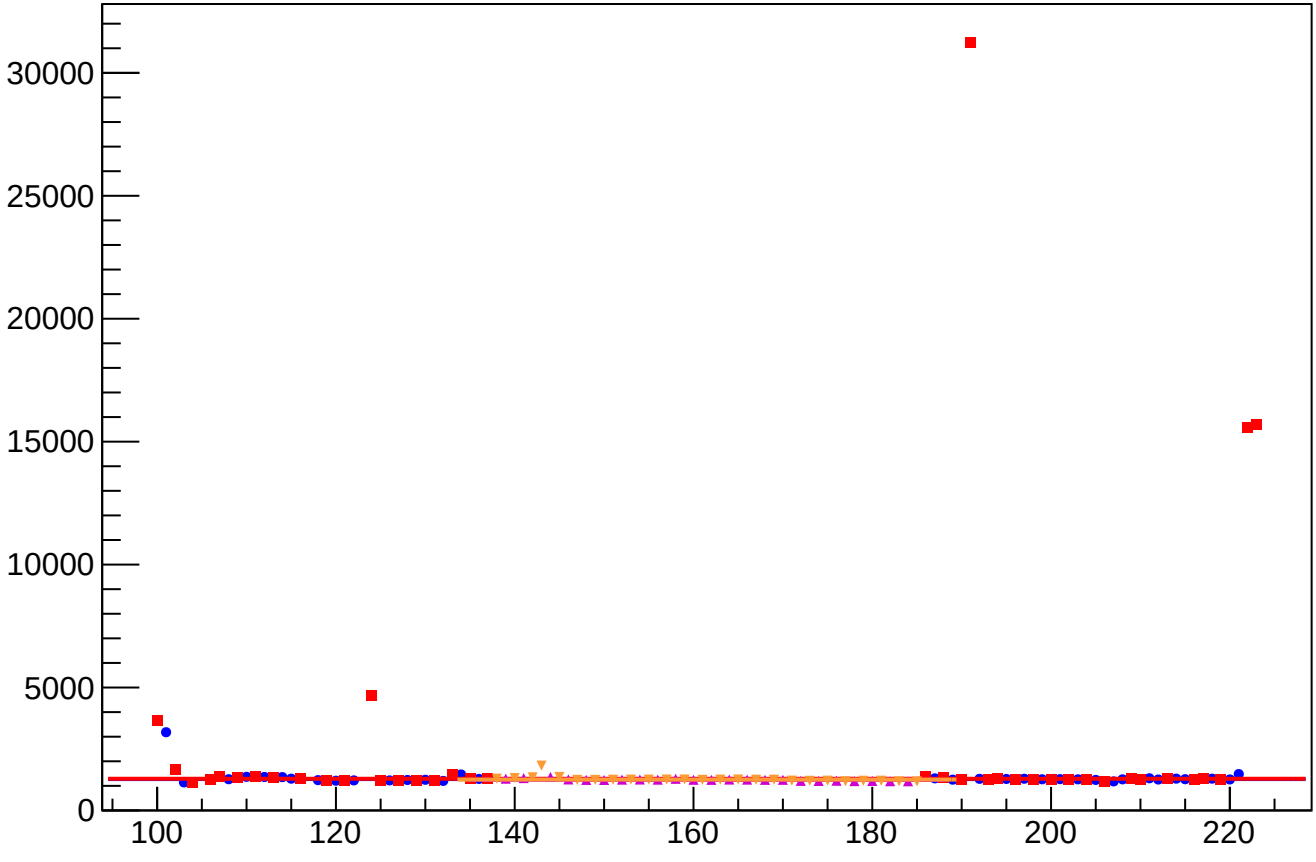
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -479.893+/-199.067 χ^2/NDF: 50.9/58

All: -201.830+/-141.791 χ^2/NDF: 118.2/120

- sign 84.523+/-202.012 χ^2/NDF: 63.3/61

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550800.6/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

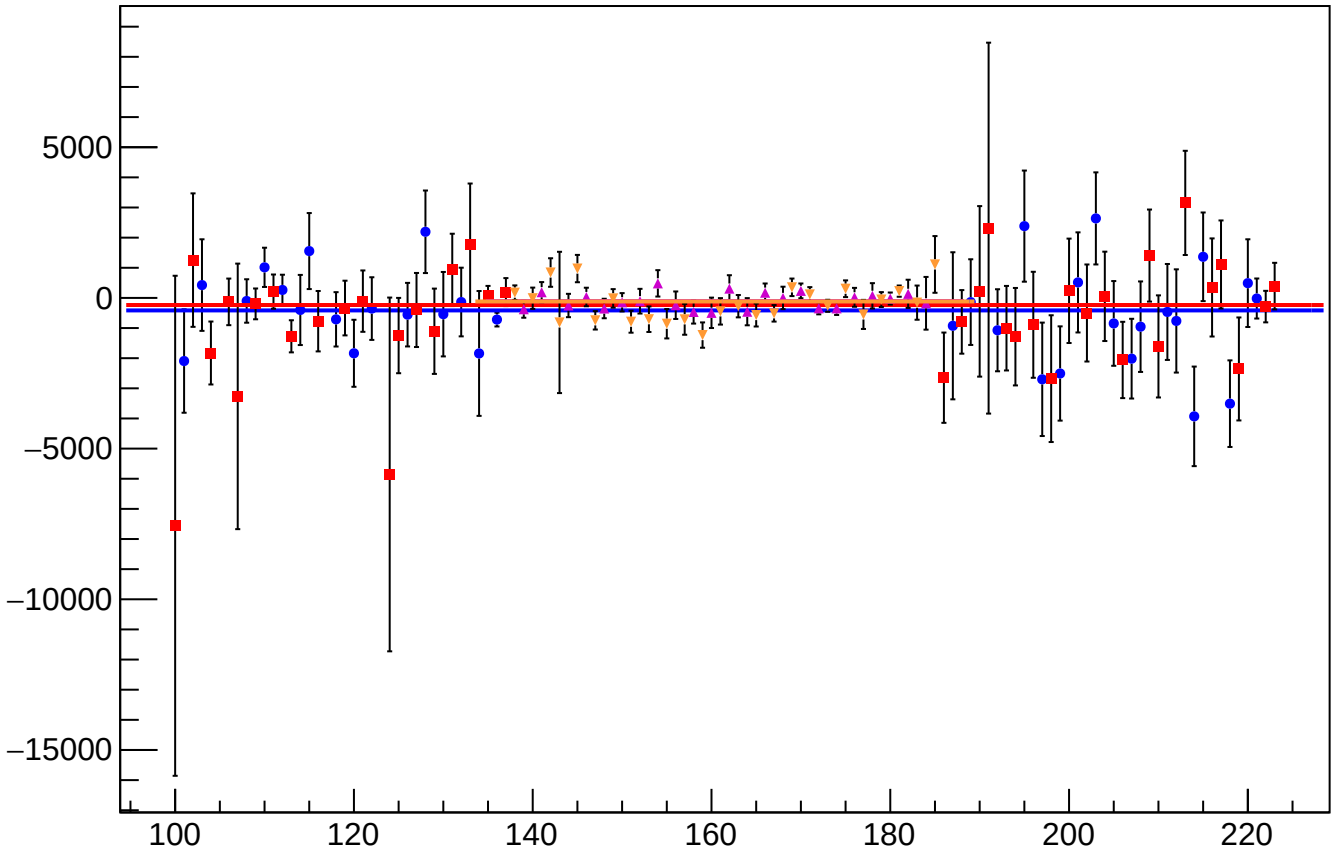
Right Out: 1289.215+/-0.198 χ^2/NDF: 2821314.1/38

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759556.9/58

All: 1267.479+/-0.100 χ^2/NDF: 3643322.4/12

- sign 1268.584+/-0.143 χ^2/NDF: 2883647.7/61



Right In: -414.601+/-149.684 χ^2/NDF: 41.5/33

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

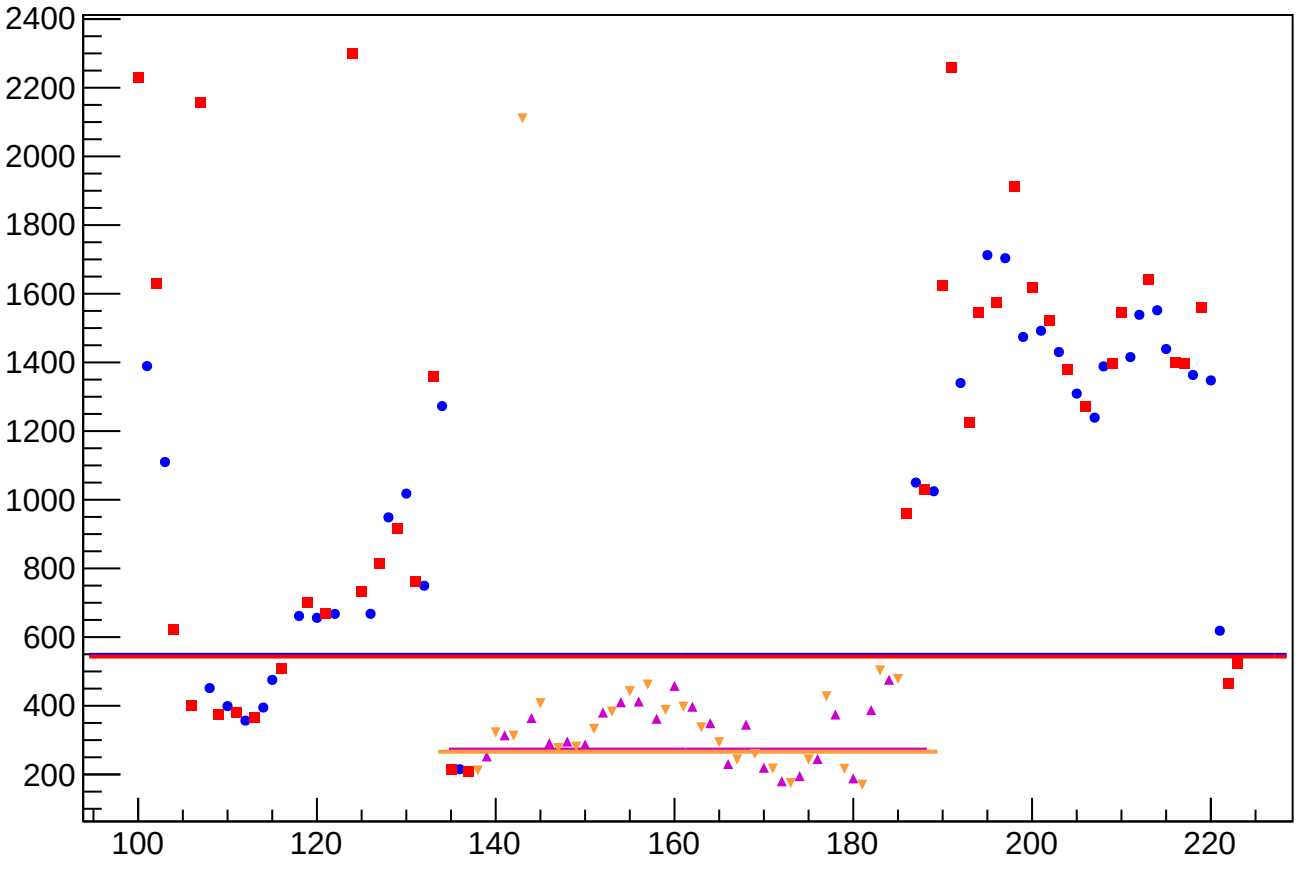
Right Out: -235.586+/-145.649 χ^2/NDF: 31.1/38

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -164.312+/-59.667 χ^2/NDF: 93.3/58

All: -147.371+/-42.610 χ^2/NDF: 138.9/120

- sign -129.740+/-60.869 χ^2/NDF: 45.4/61



Right In: 548.299+/-0.106 χ^2/NDF: 16579464.4/33

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

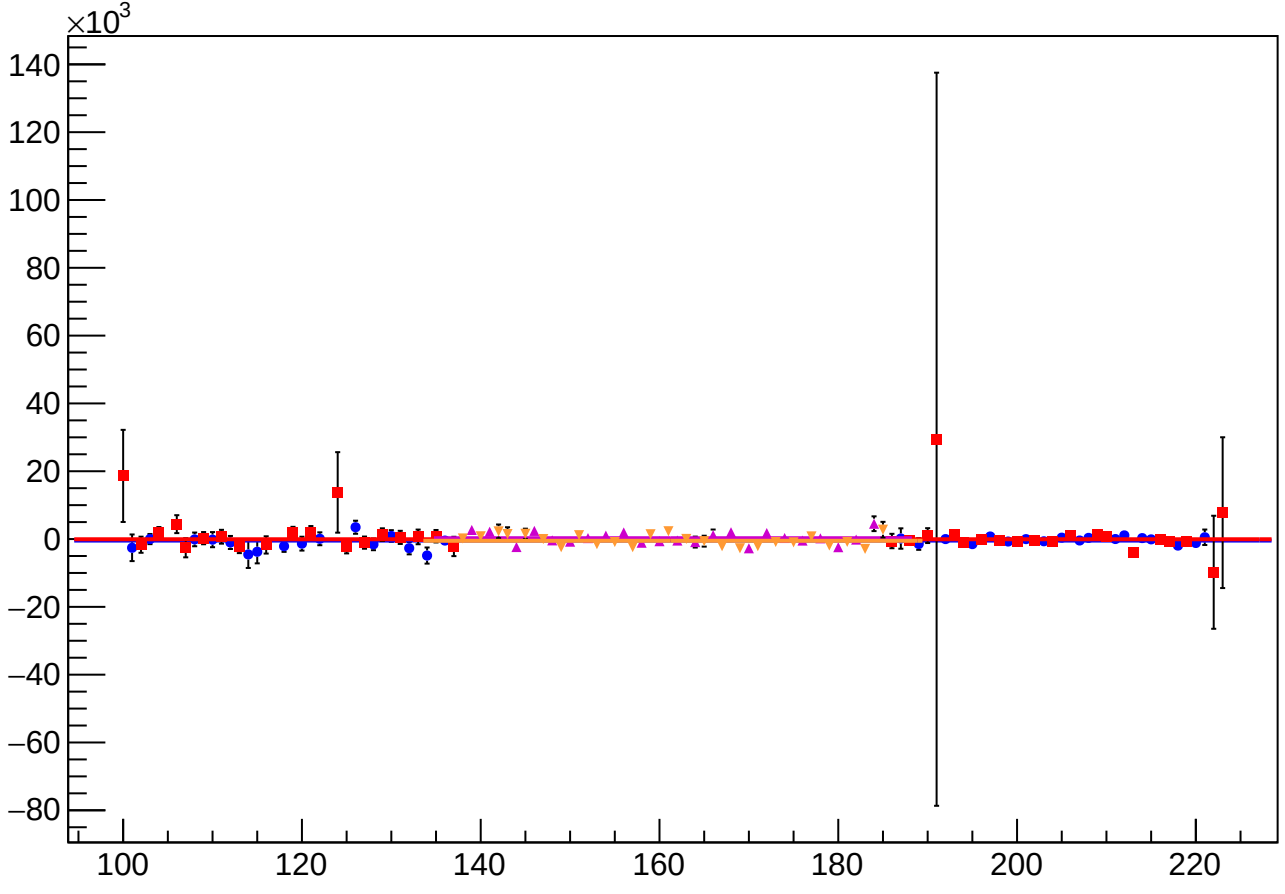
Right Out: 543.468+/-0.103 χ^2/NDF: 16567746.3/38

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 311.126+/-0.042 χ^2/NDF: 27179424.2/58

All: 315.336+/-0.030 χ^2/NDF: 52374146.8/12

- sign 319.717+/-0.043 χ^2/NDF: 25174407.0/61



Right In: -447.215+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -63.425+/-280.610 χ^2/NDF: 30.7/38

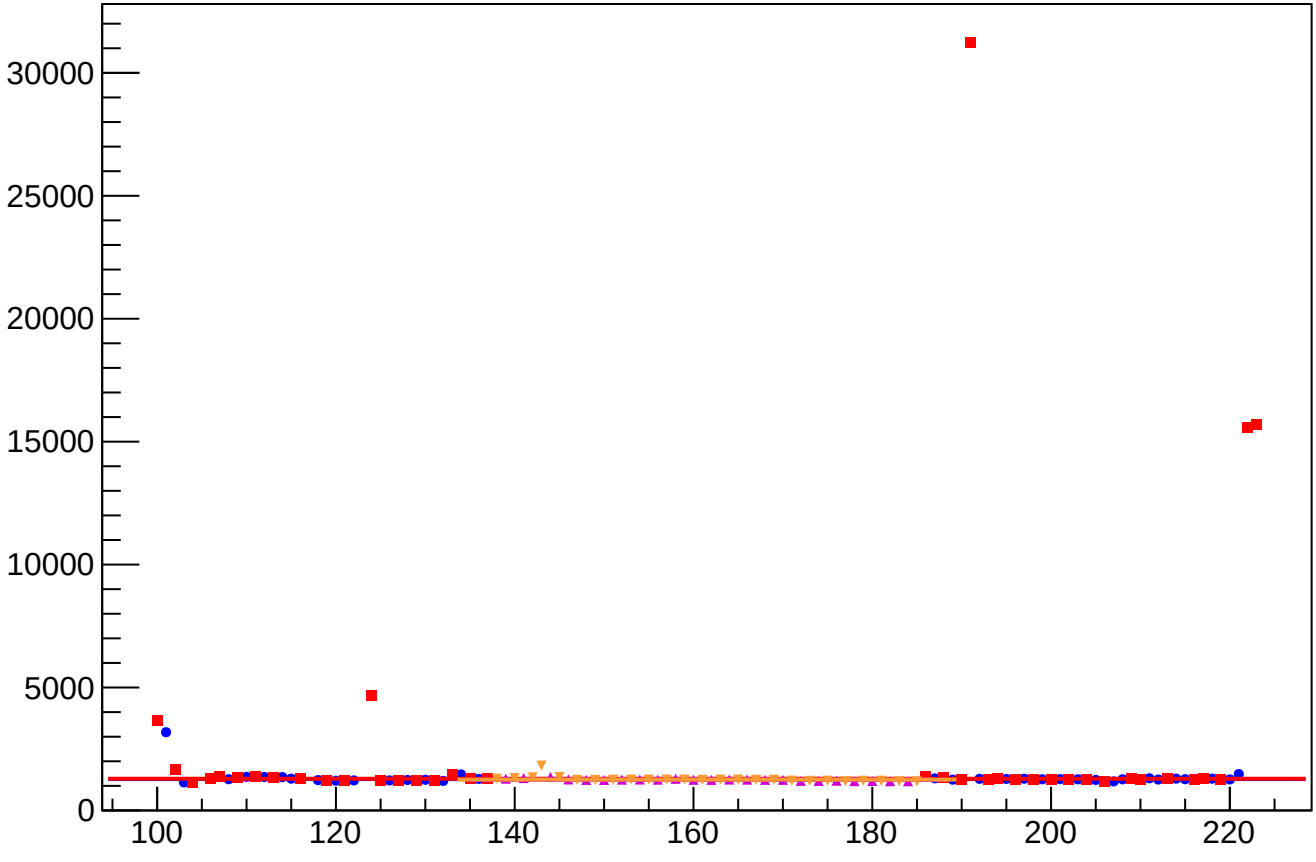
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -479.791+/-199.067 χ^2/NDF: 50.9/58

All: -202.103+/-141.804 χ^2/NDF: 118.2/120

- sign 83.970+/-202.050 χ^2/NDF: 63.4/61

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550802.0/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

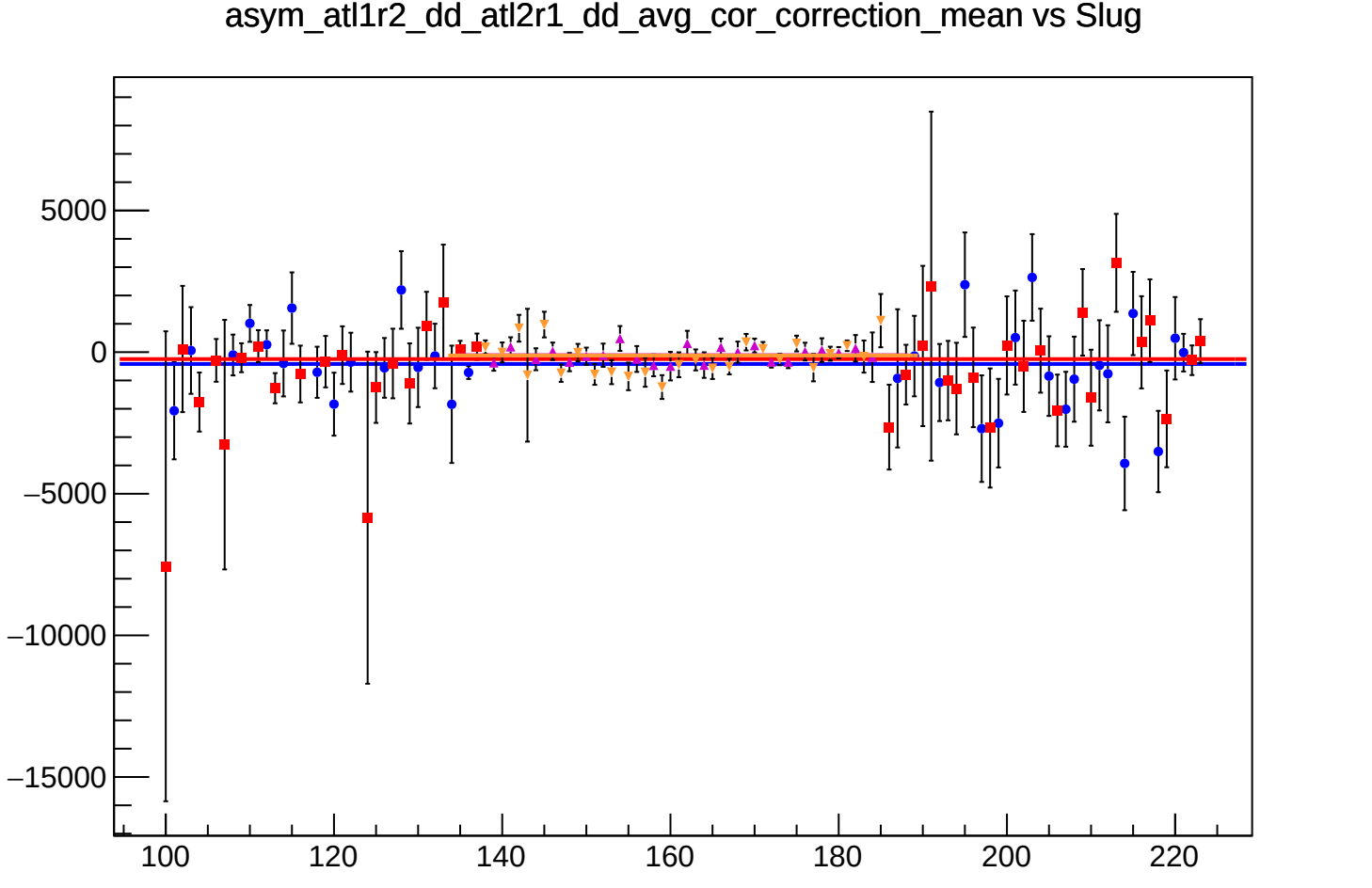
Right Out: 1289.694+/-0.198 χ^2/NDF: 2821162.2/38

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759558.2/58

All: 1267.598+/-0.100 χ^2/NDF: 3643695.7/12

- sign 1268.824+/-0.143 χ^2/NDF: 2883992.2/61



Right In: -418.049+/-149.702 χ^2/NDF: 41.3/33

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

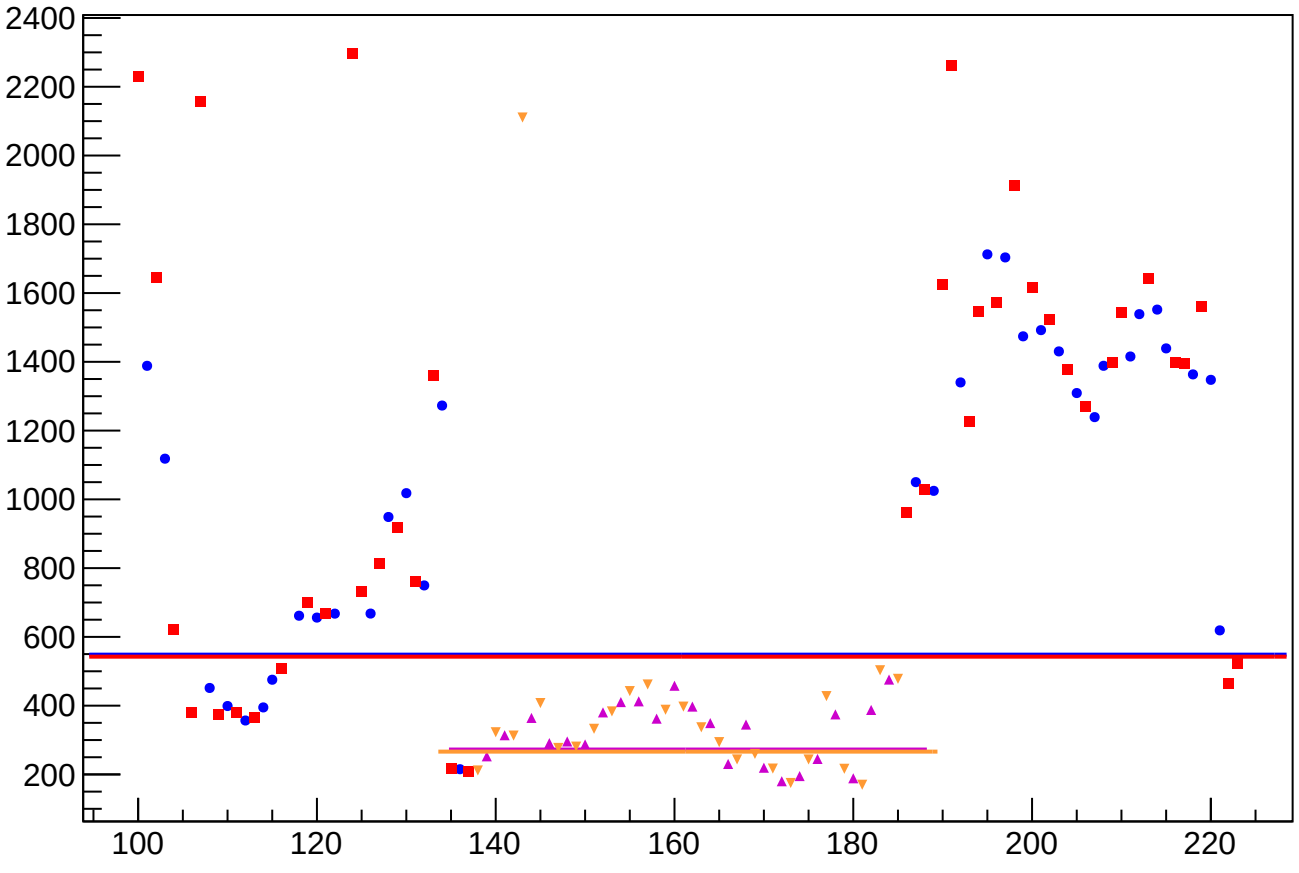
Right Out: -245.114+/-145.524 χ^2/NDF: 30.4/38

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -164.829+/-59.669 χ^2/NDF: 93.1/58

All: -148.512+/-42.608 χ^2/NDF: 138.2/120

\- sign -131.536+/-60.861 χ^2/NDF: 44.9/61



Right In: 548.342+/-0.106 χ^2/NDF: 16582614.5/33

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

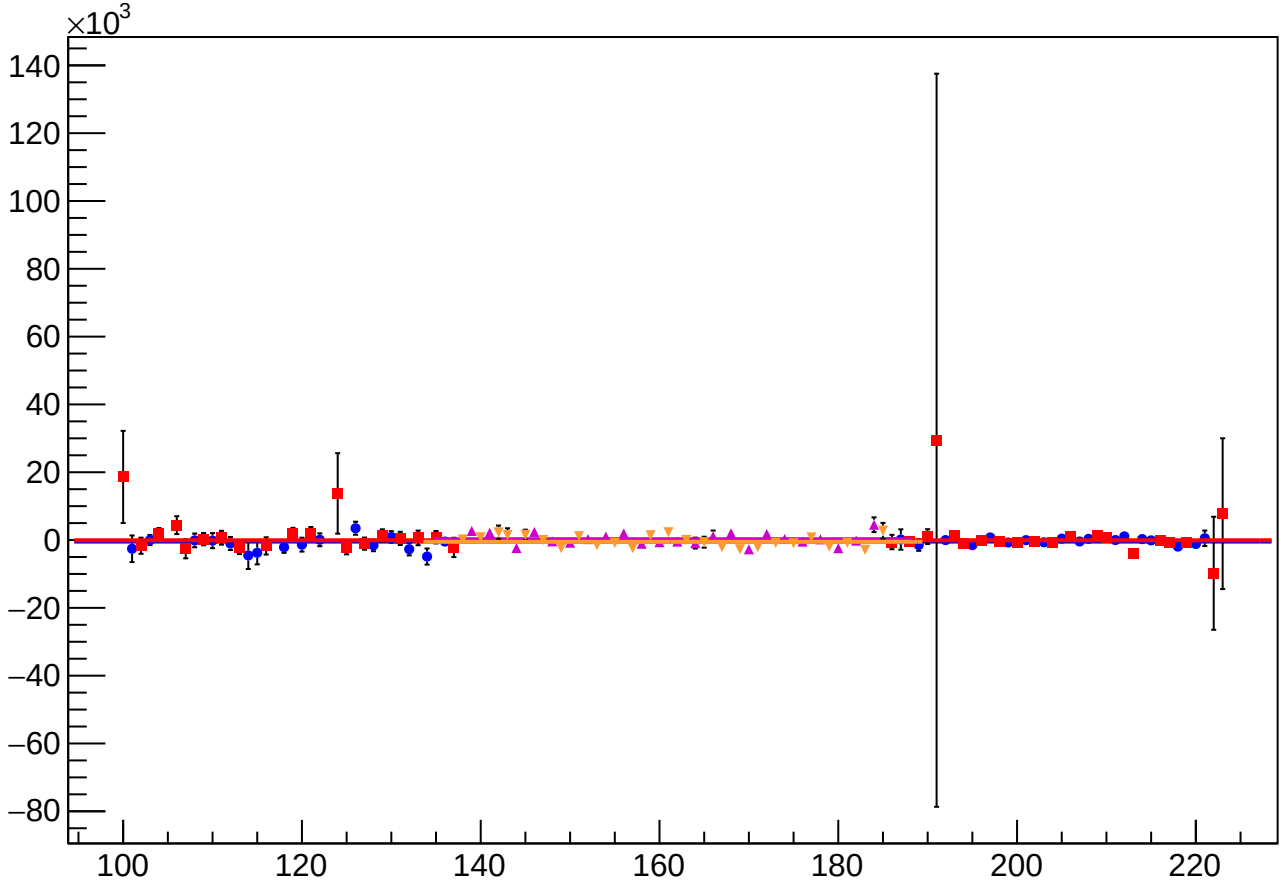
Right Out: 542.499+/-0.103 χ^2/NDF: 16598382.2/38

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 311.130+/-0.042 χ^2/NDF: 27182948.1/58

All: 315.293+/-0.030 χ^2/NDF: 52374460.5/12

- sign 319.625+/-0.043 χ^2/NDF: 25171646.3/61



Right In: -447.215+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

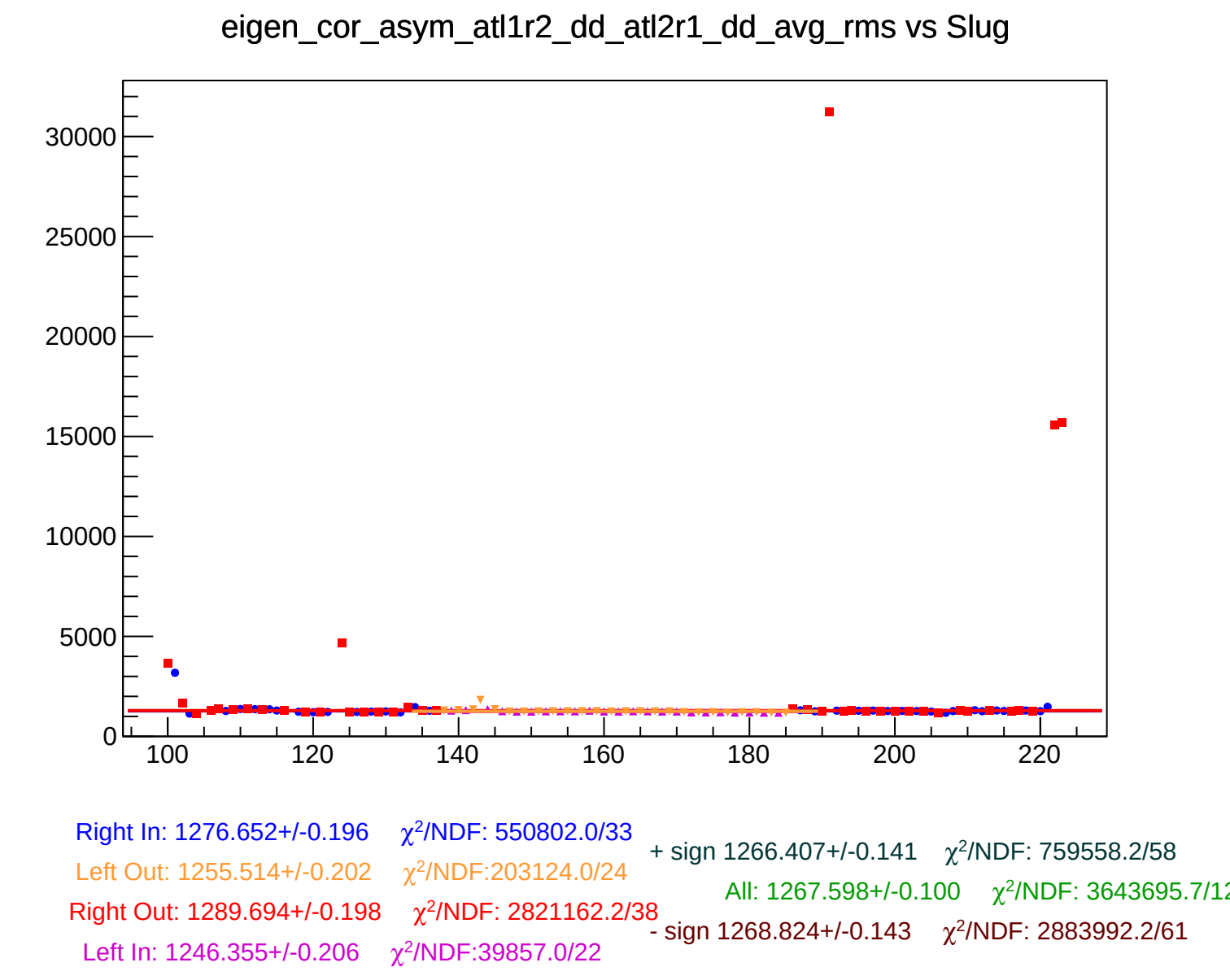
Right Out: -63.425+/-280.610 χ^2/NDF: 30.7/38

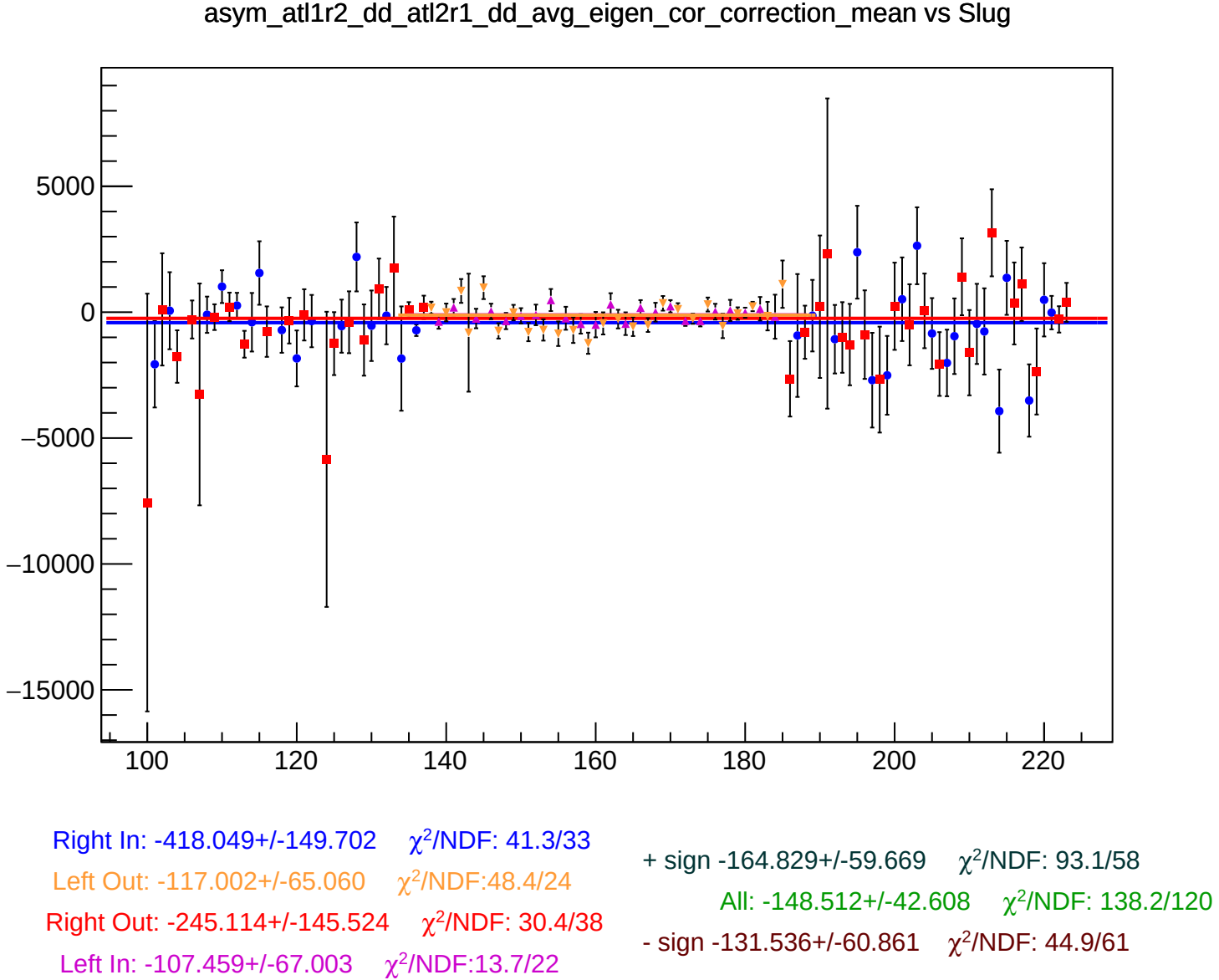
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

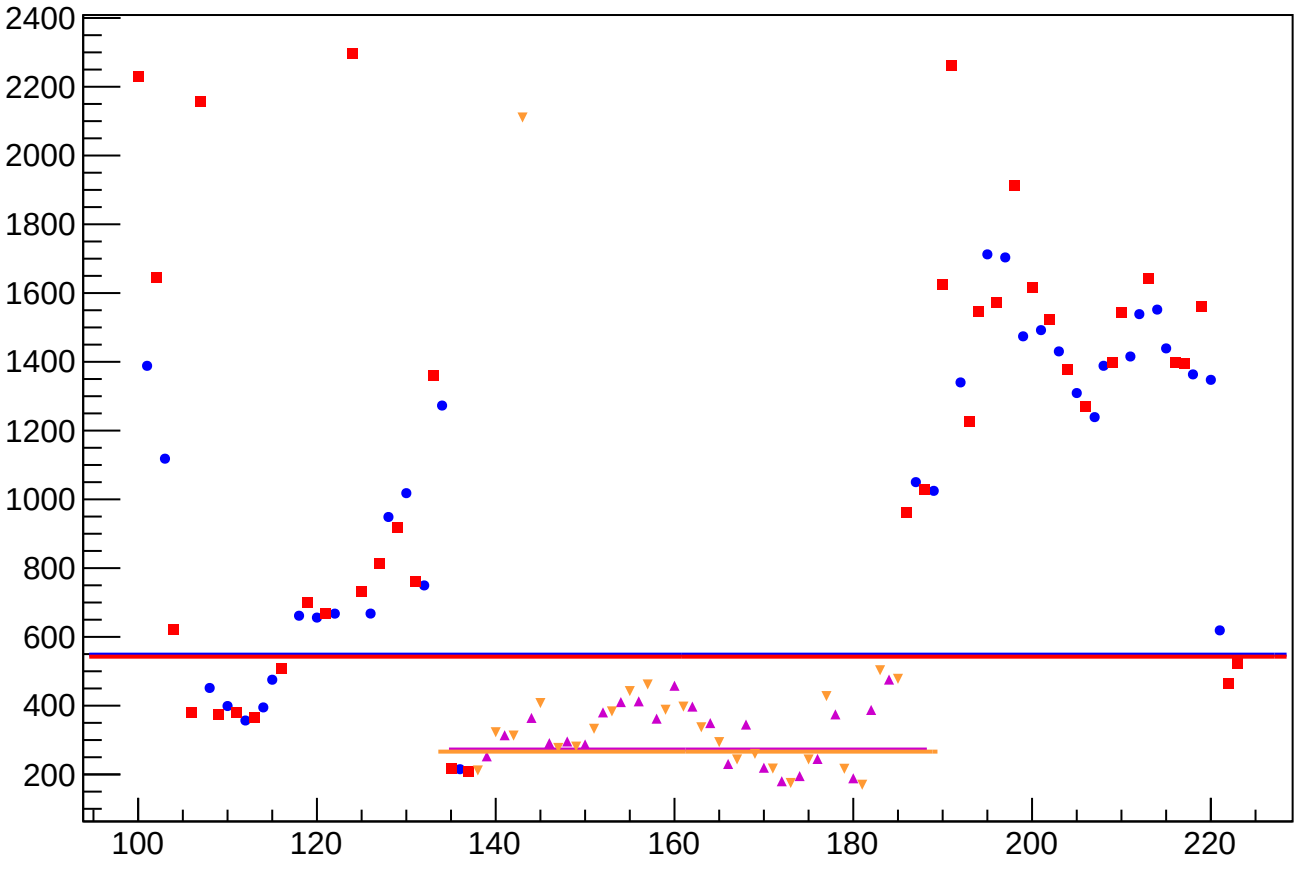
+ sign -479.791+/-199.067 χ^2/NDF: 50.9/58

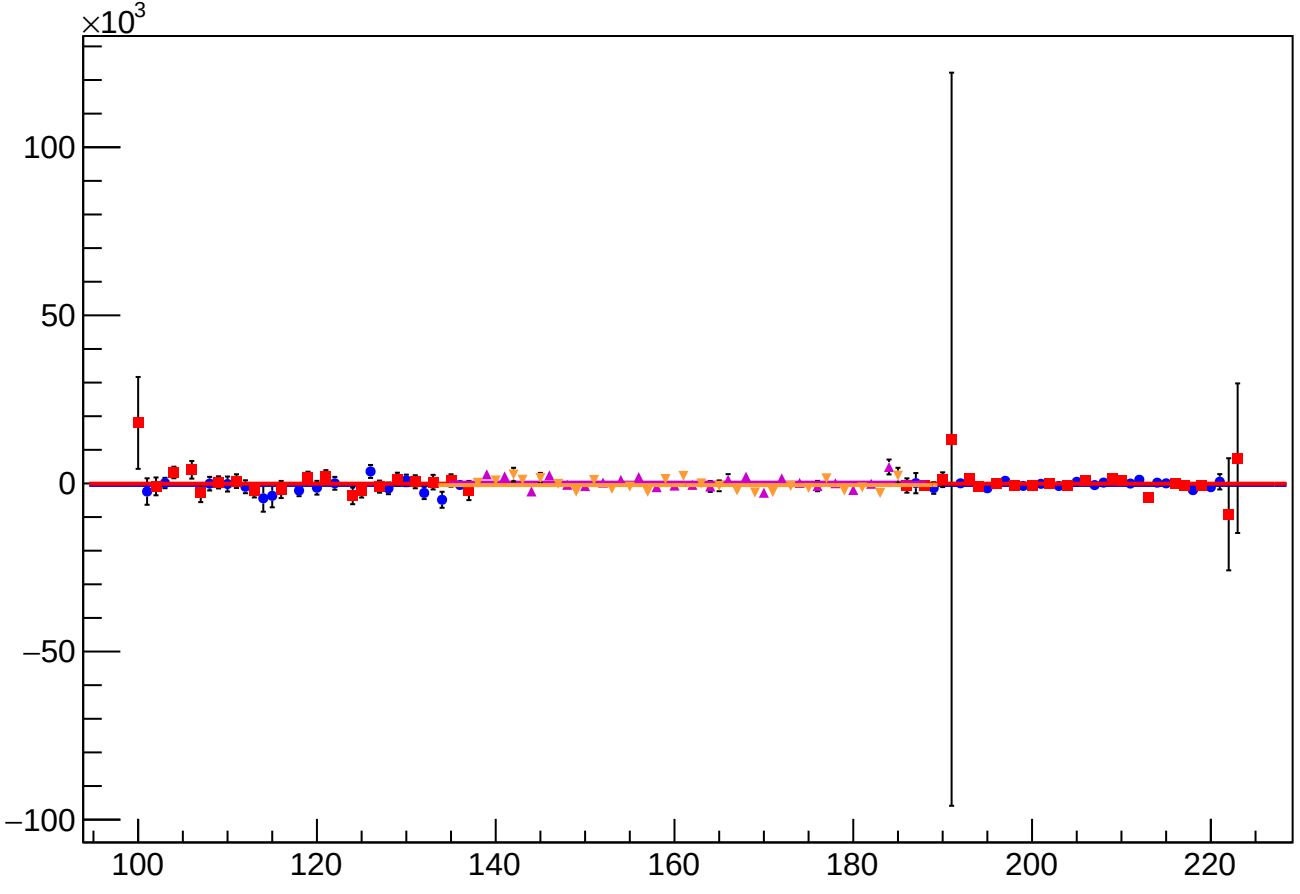
All: -202.103+/-141.804 χ^2/NDF: 118.2/120

- sign 83.970+/-202.050 χ^2/NDF: 63.4/61


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug
30000
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
220
Right In: 1276.652+/-0.196 χ²/NDF: 550802.0/33
Left Out: 1255.514+/-0.202 χ²/NDF:203124.0/24
Right Out: 1289.694+/-0.198 χ²/NDF: 2821162.2/38
Left In: 1246.355+/-0.206 χ²/NDF:39857.0/22
+ sign 1266.407+/-0.141 χ²/NDF: 759558.2/58
All: 1267.598+/-0.100 χ²/NDF: 3643695.7/12
- sign 1268.824+/-0.143 χ²/NDF: 2883992.2/61


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -418.049+/-149.702 χ²/NDF: 41.3/33
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -245.114+/-145.524 χ²/NDF: 30.4/38
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -164.829+/-59.669 χ²/NDF: 93.1/58
All: -148.512+/-42.608 χ²/NDF: 138.2/120
- sign -131.536+/-60.861 χ²/NDF: 44.9/61


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 548.342+/-0.106 χ²/NDF: 16582614.5/33
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 542.499+/-0.103 χ²/NDF: 16598382.2/38
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 311.130+/-0.042 χ²/NDF: 27182948.1/58
All: 315.293+/-0.030 χ²/NDF: 52374460.5/12
- sign 319.625+/-0.043 χ²/NDF: 25171646.3/61



Right In: -439.965+/-277.985 χ^2/NDF: 20.0/33

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.667+/-280.199 χ^2/NDF: 32.6/38

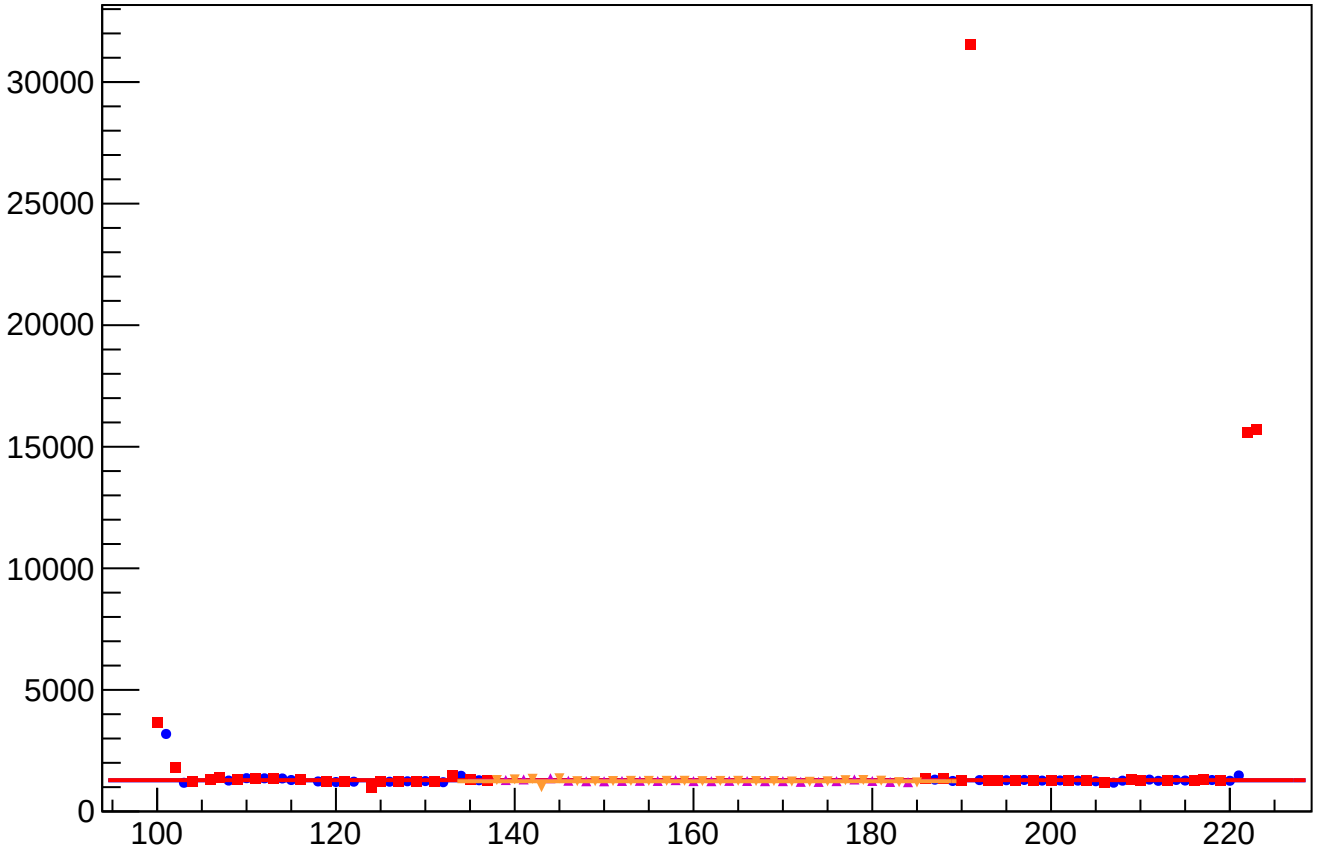
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -466.248+/-198.223 χ^2/NDF: 54.2/58

All: -198.748+/-141.805 χ^2/NDF: 121.8/120

- sign 81.650+/-202.946 χ^2/NDF: 63.8/61

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1279.877+/-0.197 χ^2/NDF: 542987.6/33

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

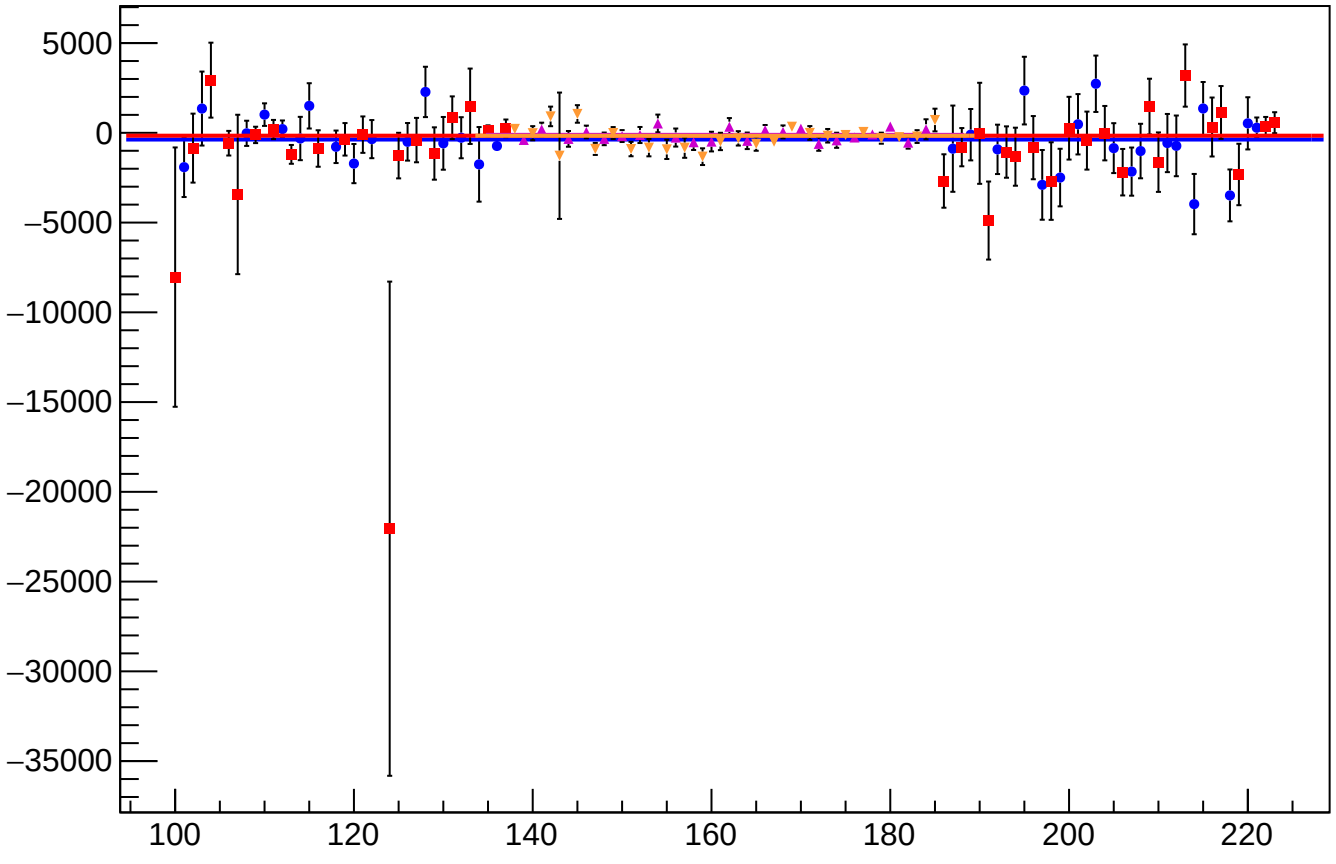
Right Out: 1287.854+/-0.198 χ^2/NDF: 2702198.6/38

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1261.525+/-0.140 χ^2/NDF: 690746.1/58

All: 1267.936+/-0.100 χ^2/NDF: 3434494.9/12

- sign 1274.657+/-0.144 χ^2/NDF: 2739463.2/61



Right In: -373.684+/-149.752 χ^2/NDF: 42.8/33

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

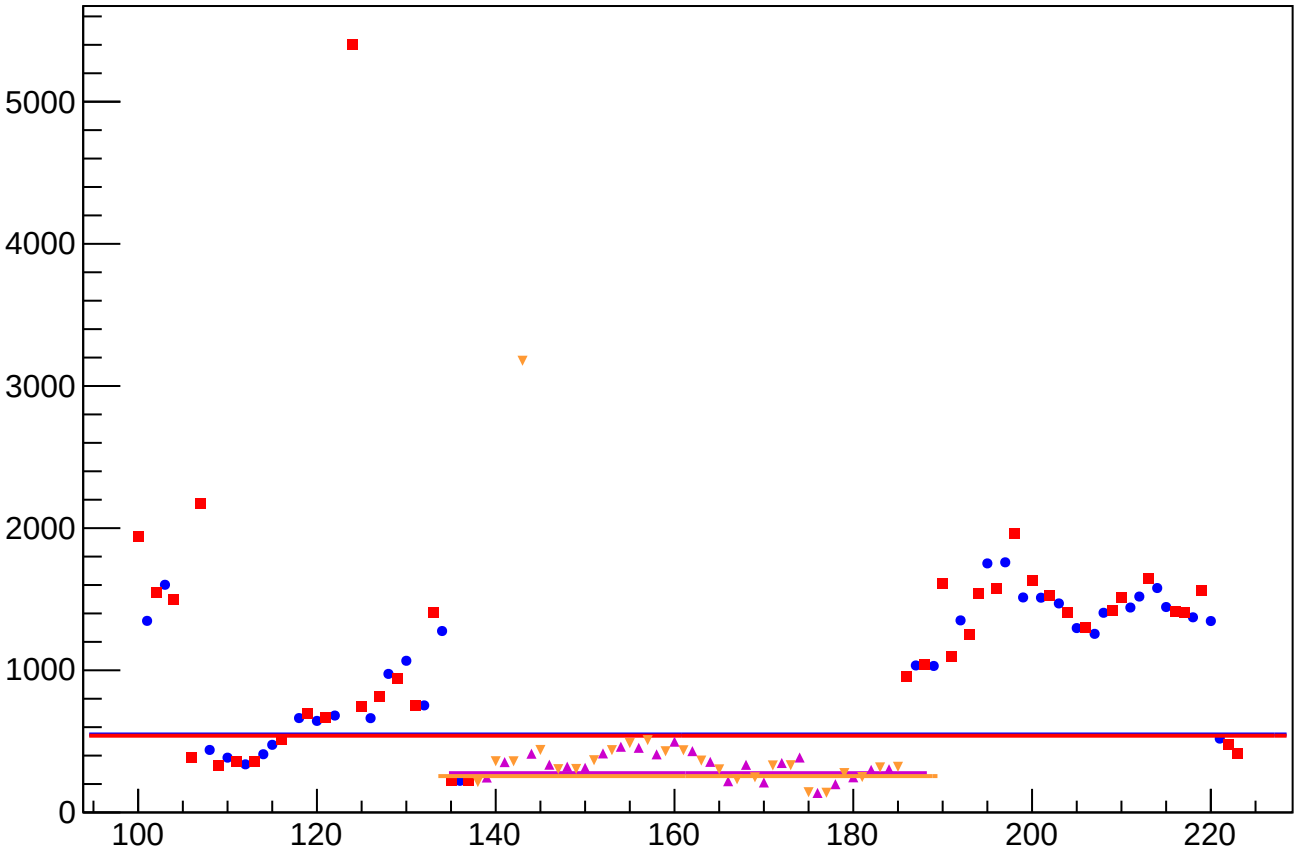
Right Out: -159.613+/-143.537 χ^2/NDF: 39.5/38

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -193.903+/-58.954 χ^2/NDF: 88.3/58

All: -159.946+/-42.746 χ^2/NDF: 146.7/120

- sign -122.303+/-62.071 χ^2/NDF: 57.7/61



Right In: 548.453+/-0.106 χ^2/NDF: 16689766.5/33

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

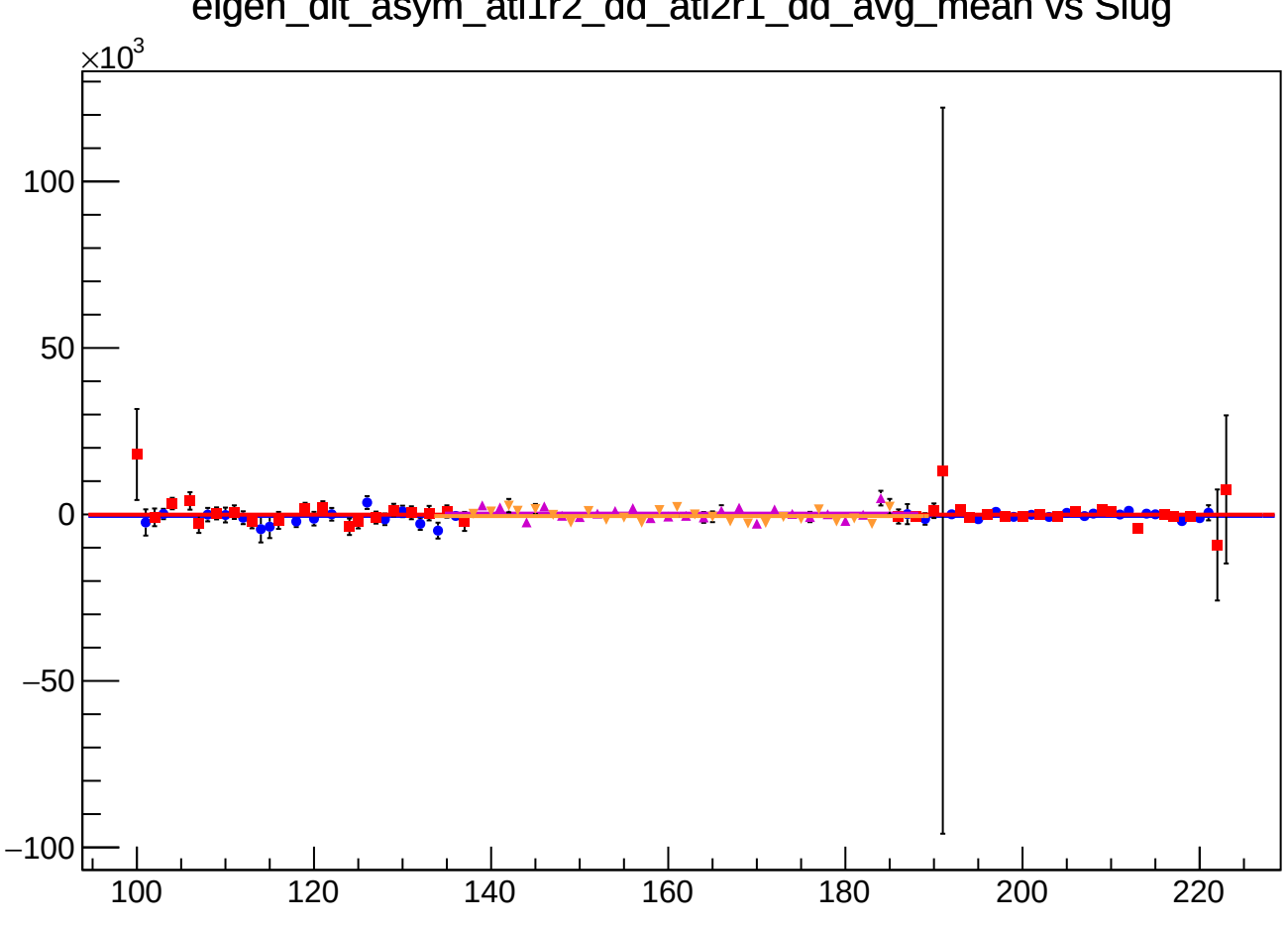
Right Out: 540.017+/-0.101 χ^2/NDF: 17187890.0/38

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 301.129+/-0.042 χ^2/NDF: 29519541.1/58

All: 312.742+/-0.030 χ^2/NDF: 56387232.6/12

- sign 325.615+/-0.044 χ^2/NDF: 26704064.7/61



Right In: -439.963+/-277.985 χ^2/NDF: 20.0/33

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.666+/-280.199 χ^2/NDF: 32.6/38

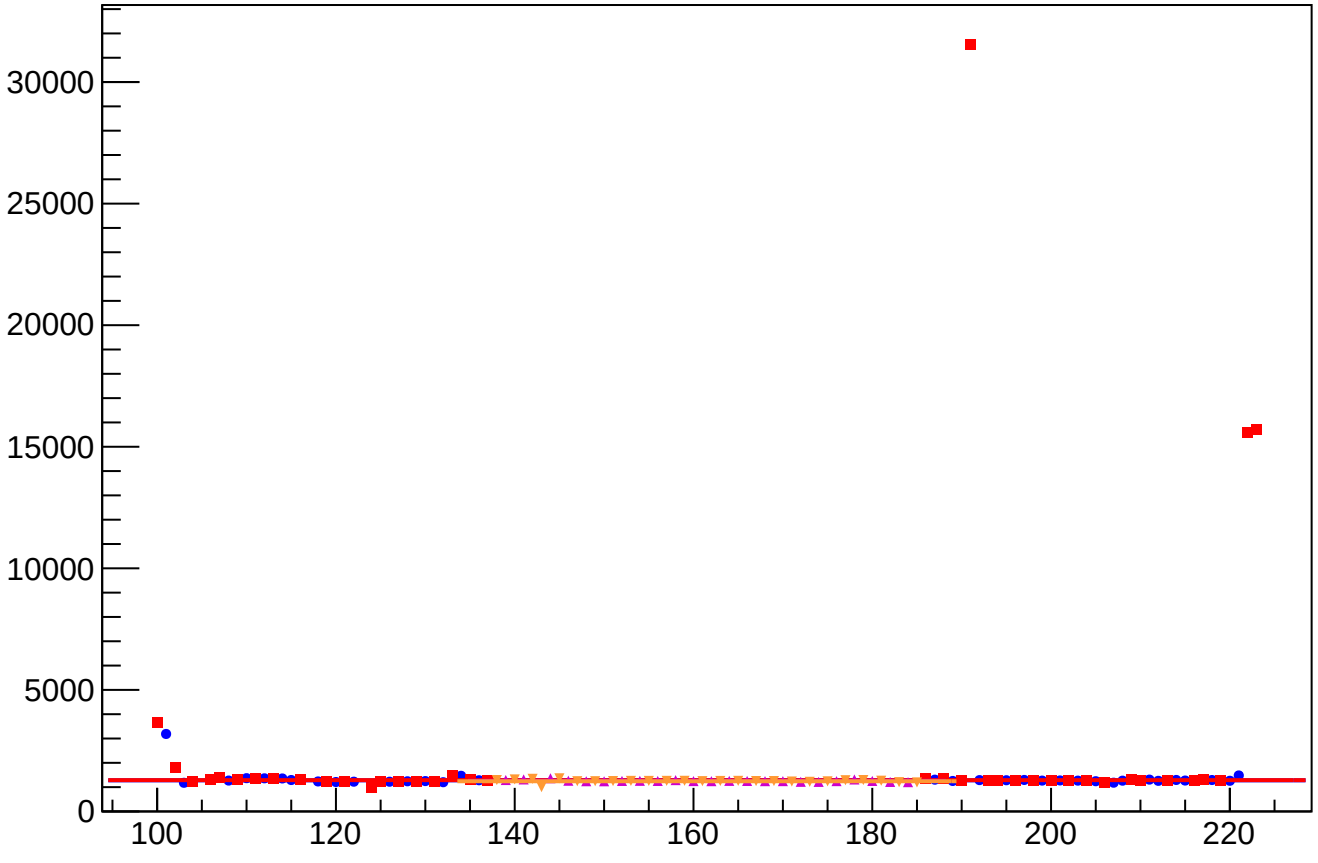
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -466.246+/-198.223 χ^2/NDF: 54.2/58

All: -198.747+/-141.805 χ^2/NDF: 121.8/120

- sign 81.650+/-202.946 χ^2/NDF: 63.8/61

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1279.877+/-0.197 χ^2/NDF: 542987.7/33

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

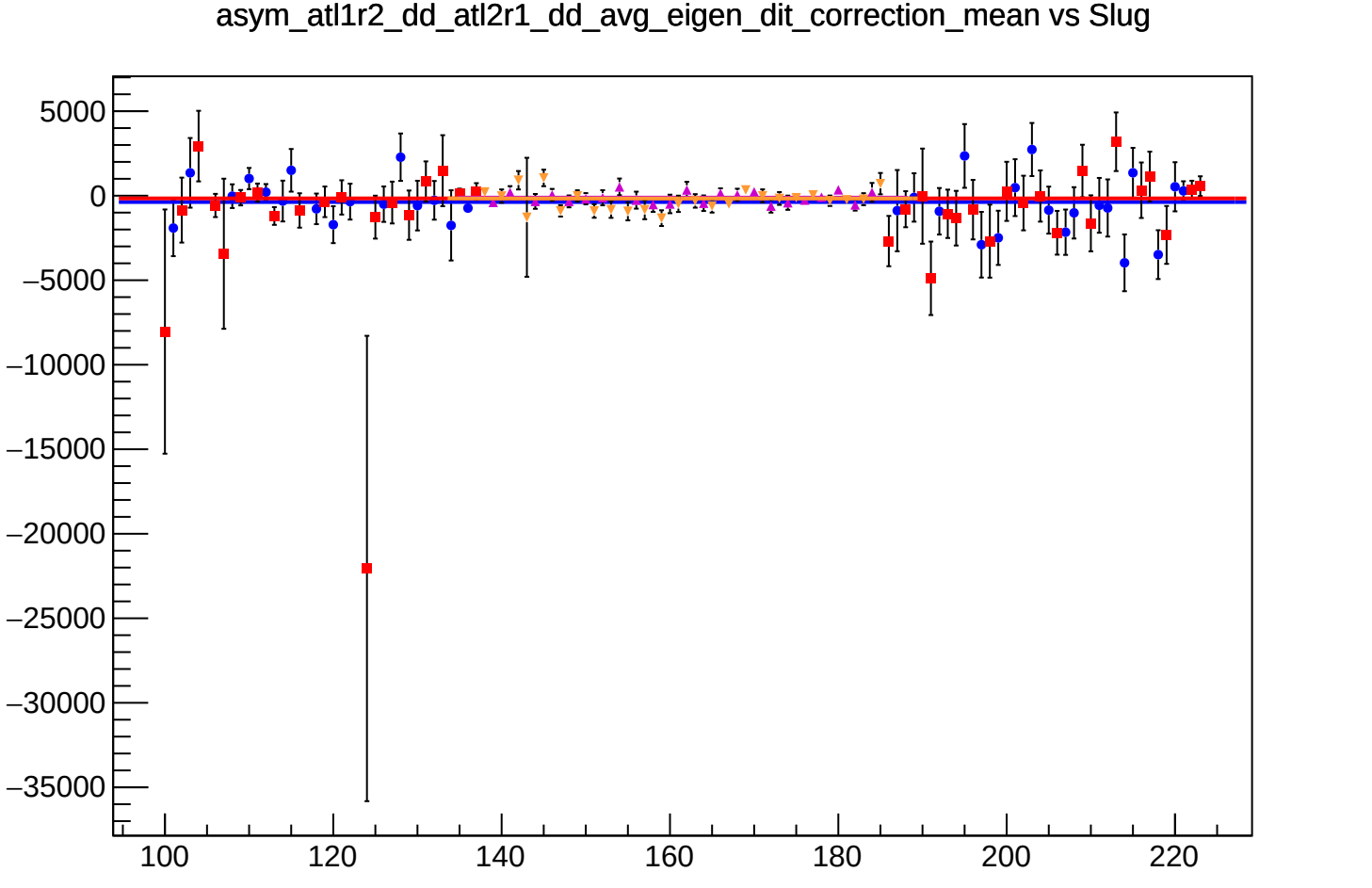
Right Out: 1287.854+/-0.198 χ^2/NDF: 2702198.9/38

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1261.525+/-0.140 χ^2/NDF: 690745.3/58

All: 1267.936+/-0.100 χ^2/NDF: 3434494.4/12

- sign 1274.656+/-0.144 χ^2/NDF: 2739463.6/61



Right In: -373.686+/-149.754 χ^2/NDF: 42.8/33

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

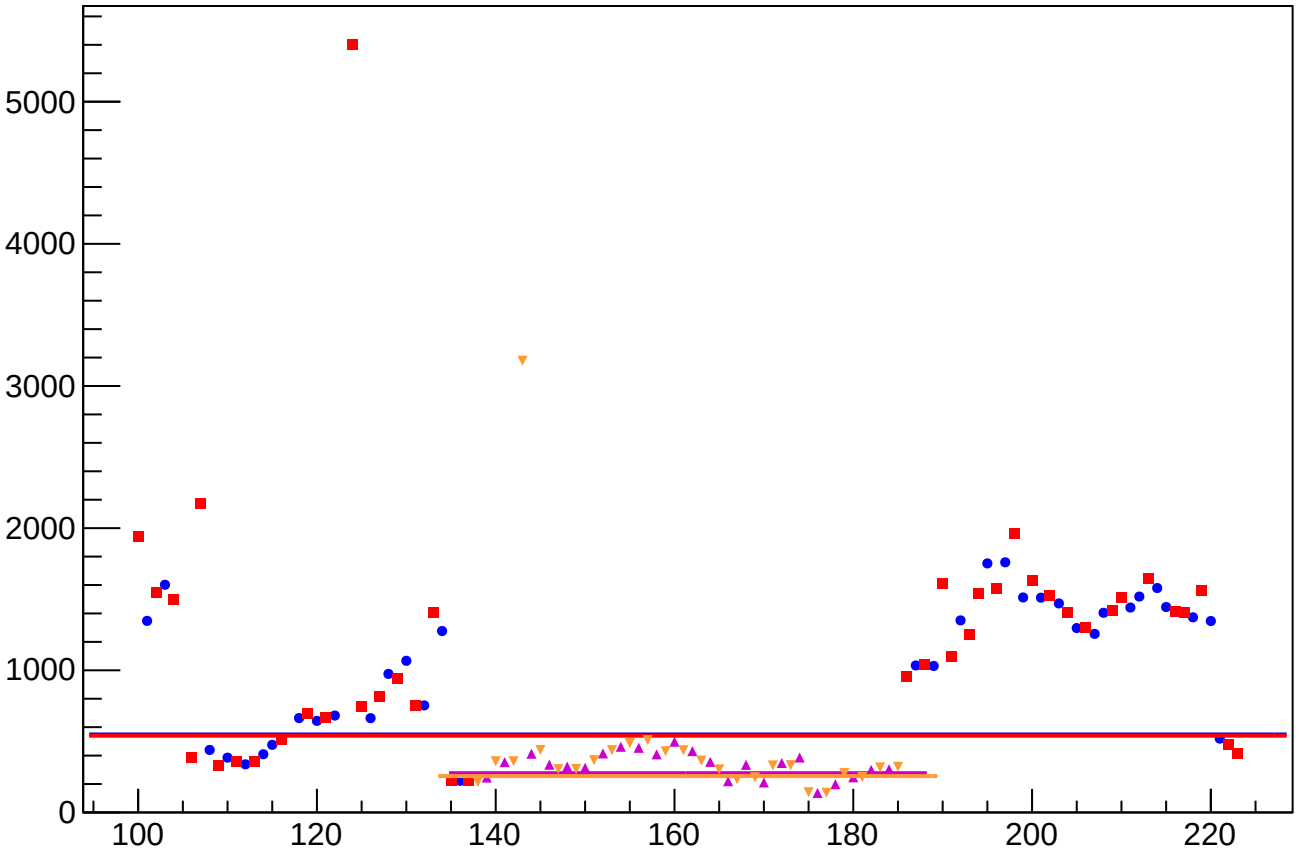
Right Out: -159.617+/-143.538 χ^2/NDF: 39.5/38

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -193.905+/-58.954 χ^2/NDF: 88.3/58

All: -159.947+/-42.746 χ^2/NDF: 146.7/120

- sign -122.303+/-62.071 χ^2/NDF: 57.7/61



Right In: 548.466+/-0.106 χ^2/NDF: 16689273.4/33

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 540.026+/-0.101 χ^2/NDF: 17187548.5/38

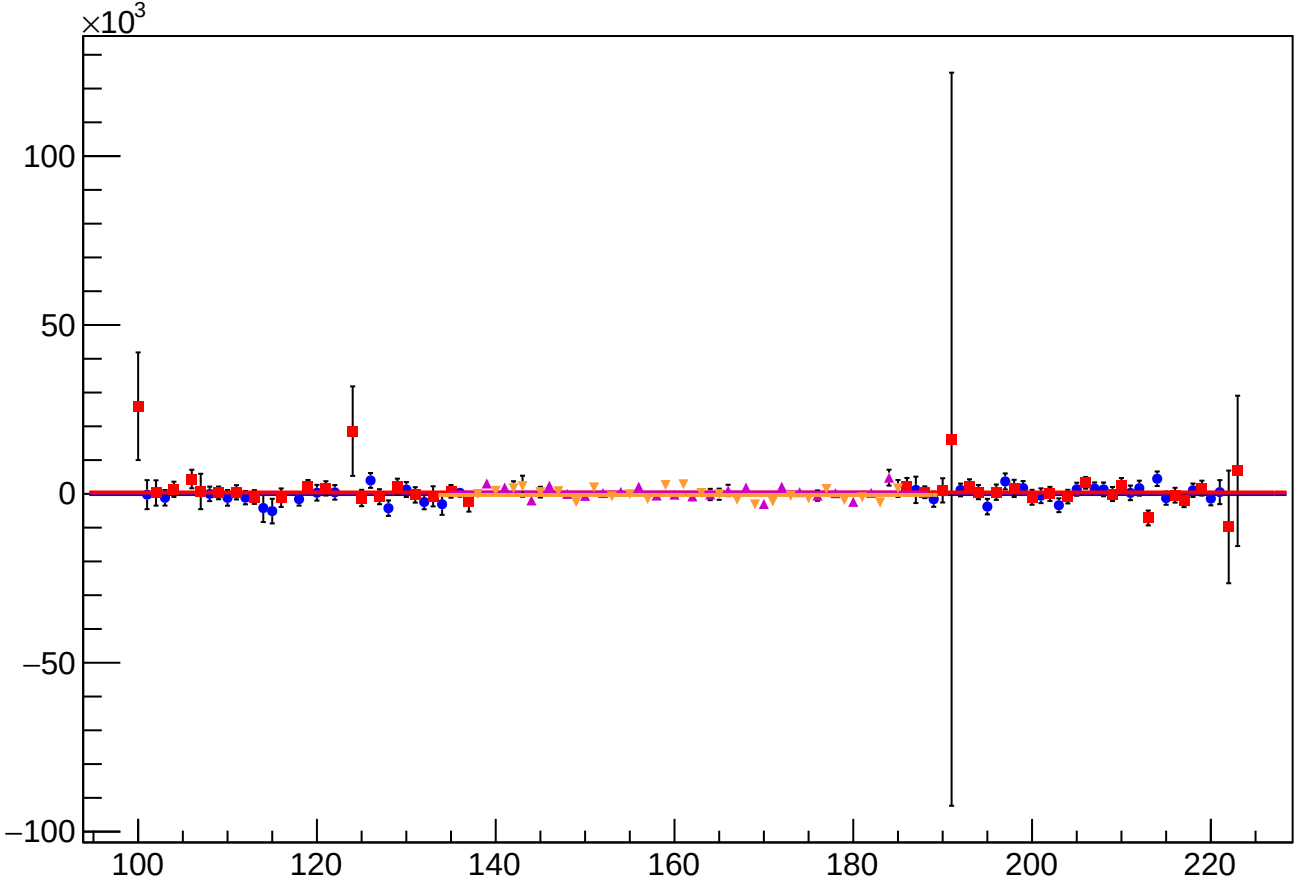
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 301.131+/-0.042 χ^2/NDF: 29519286.9/58

All: 312.744+/-0.030 χ^2/NDF: 56386836.6/12

- sign 325.616+/-0.044 χ^2/NDF: 26703937.1/61

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -47.933+/-377.612 χ^2/NDF: 31.0/33

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 413.076+/-383.303 χ^2/NDF: 31.5/38

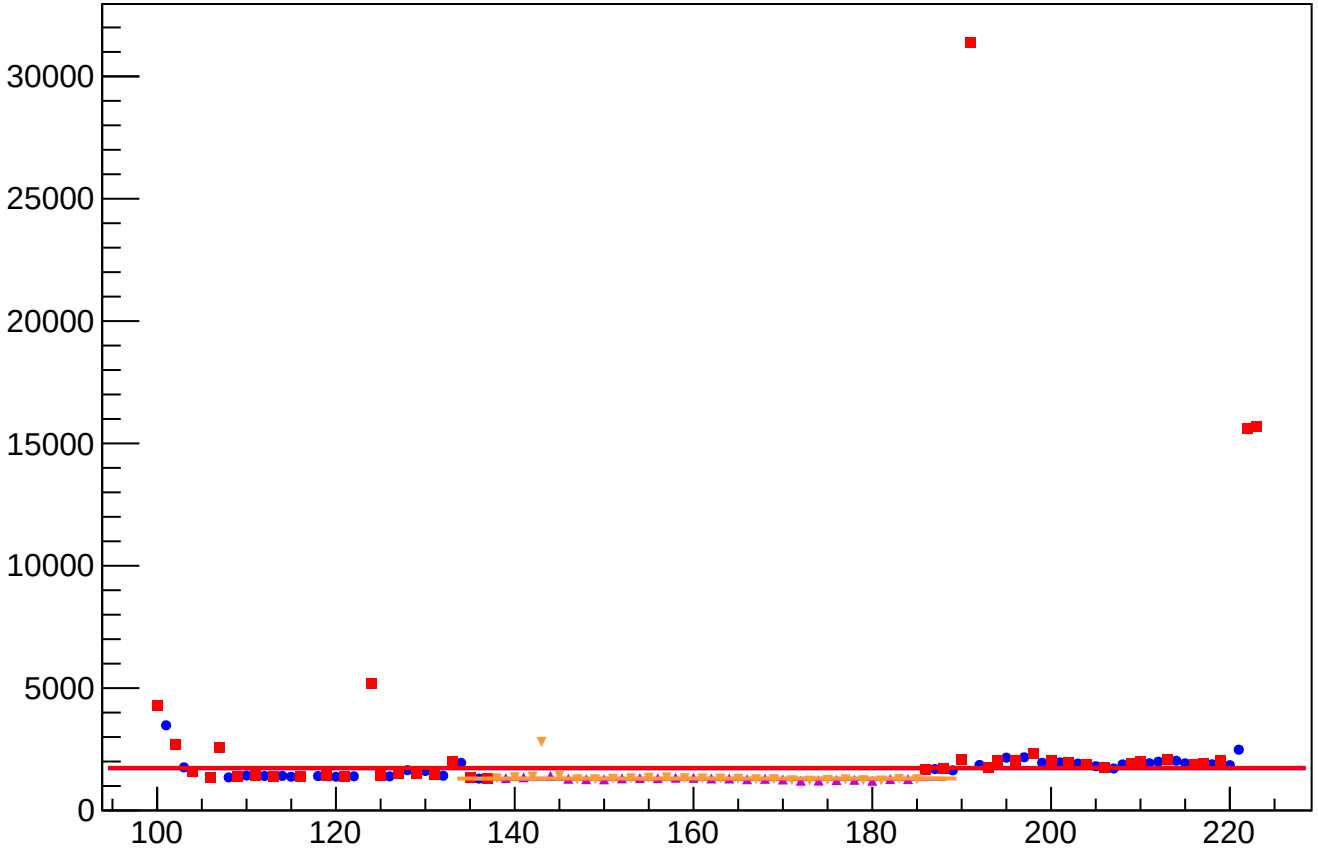
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -215.312+/-234.061 χ^2/NDF: 62.9/58

All: 77.473+/-166.594 χ^2/NDF: 127.3/120

- sign 378.090+/-237.170 χ^2/NDF: 61.2/61

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1722.149+/-0.267 χ^2/NDF: 1399616.5/33

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

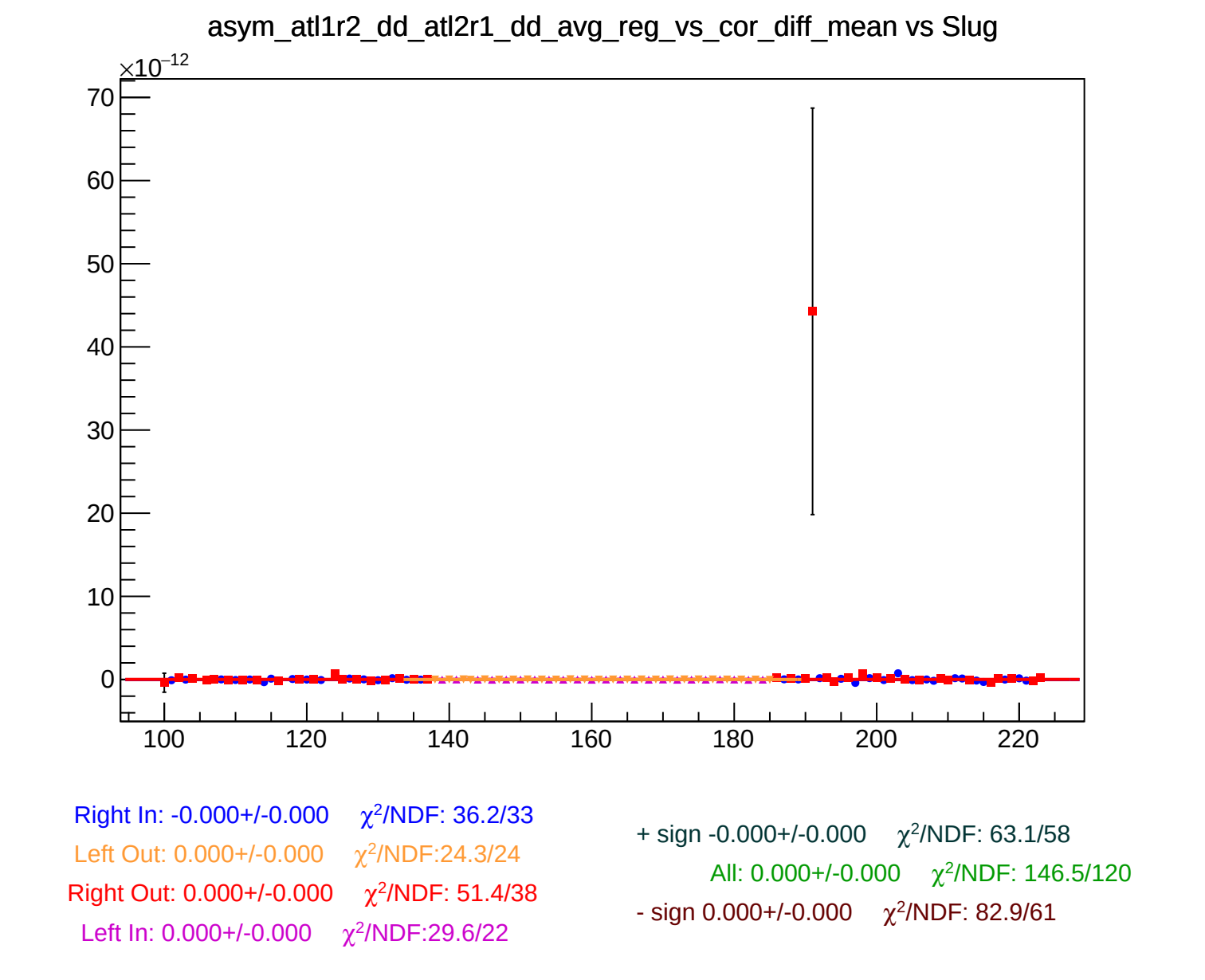
Right Out: 1741.024+/-0.271 χ^2/NDF: 3744622.1/38

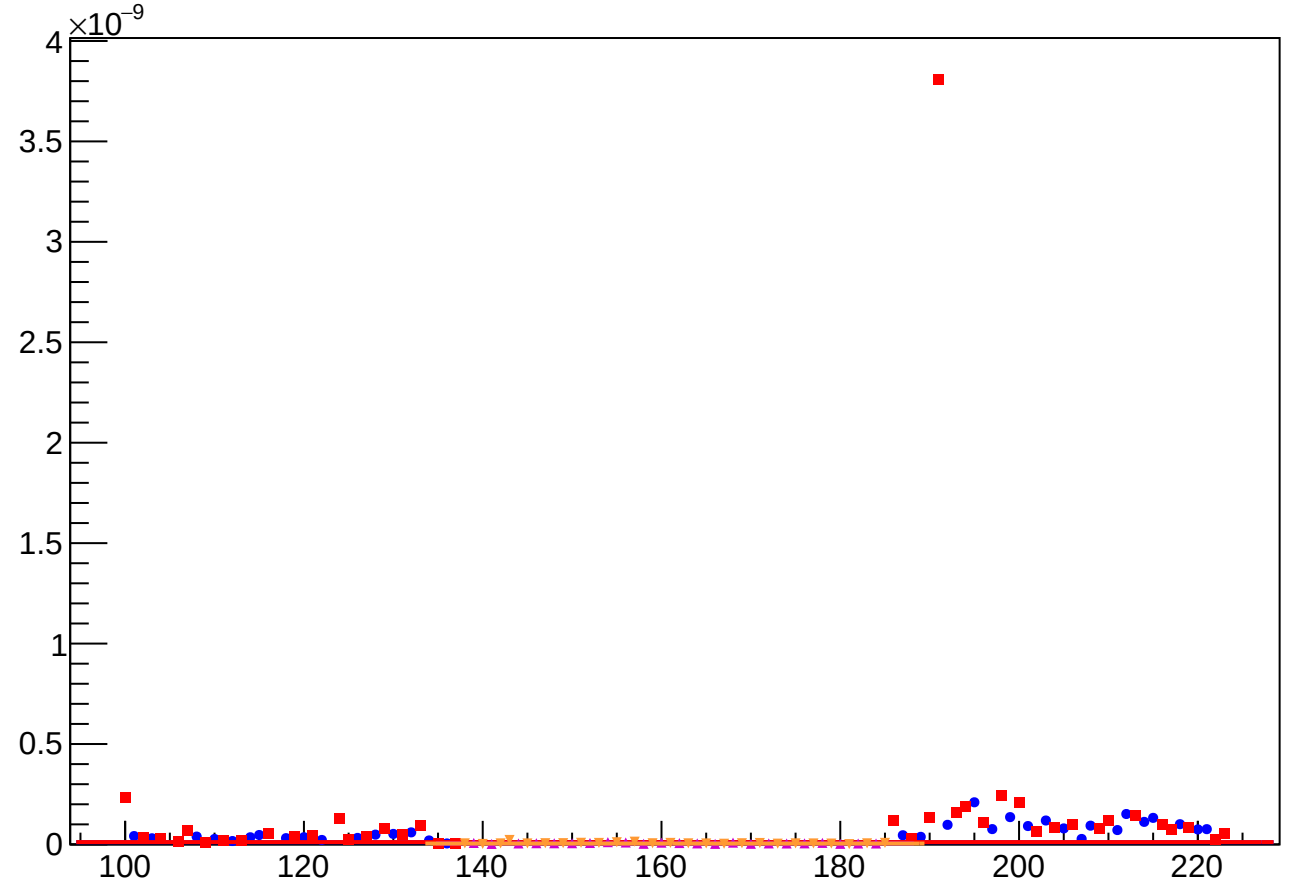
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1464.751+/-0.166 χ^2/NDF: 3428298.1/58

All: 1464.375+/-0.118 χ^2/NDF: 8914186.7/12

- sign 1463.988+/-0.168 χ^2/NDF: 5485878.1/61


asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 36.2/33
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 51.4/38
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 63.1/58
All: 0.000+/-0.000 χ²/NDF: 146.5/120
- sign 0.000+/-0.000 χ²/NDF: 82.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 11598008.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

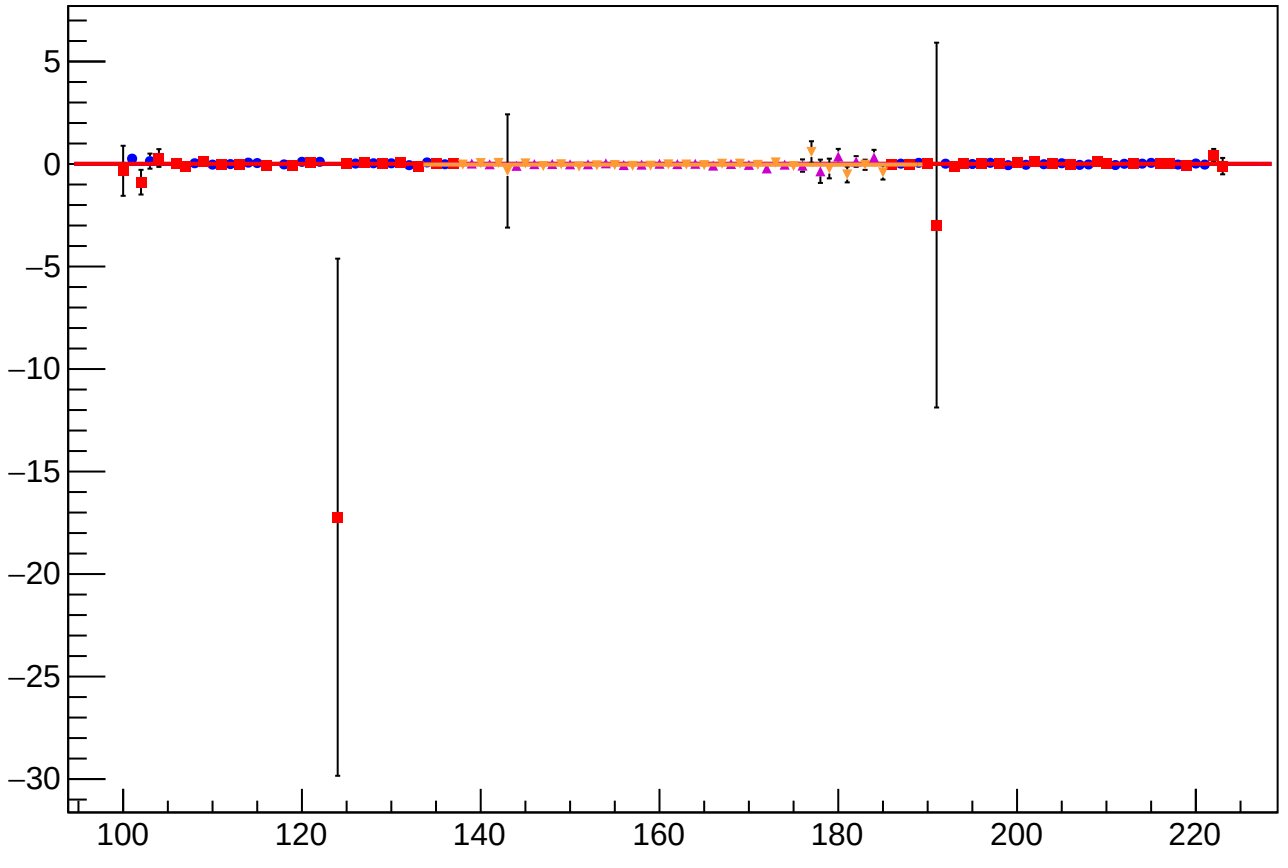
Right Out: 0.000+/-0.000 χ^2/NDF: 12790698.9/38

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15866738.6/58

All: 0.000+/-0.000 χ^2/NDF: 32076571.3/120

- sign 0.000+/-0.000 χ^2/NDF: 16184003.9/61



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

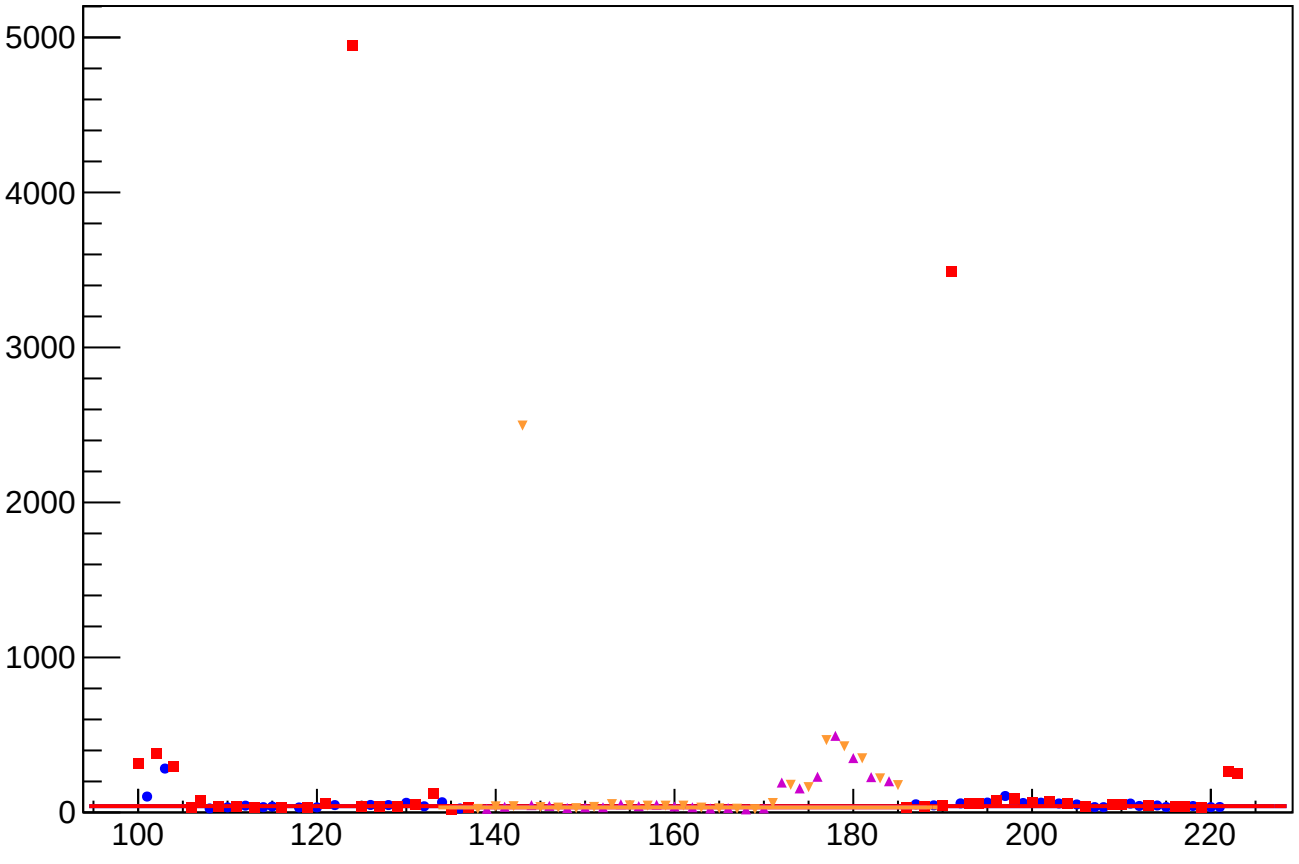
Right Out: 0.010+/-0.010 χ^2/NDF: 32.9/38

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 103.9/120

- sign -0.001+/-0.007 χ^2/NDF: 48.5/61



Right In: 40.589+/-0.007 χ^2/NDF: 4394799.5/33

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

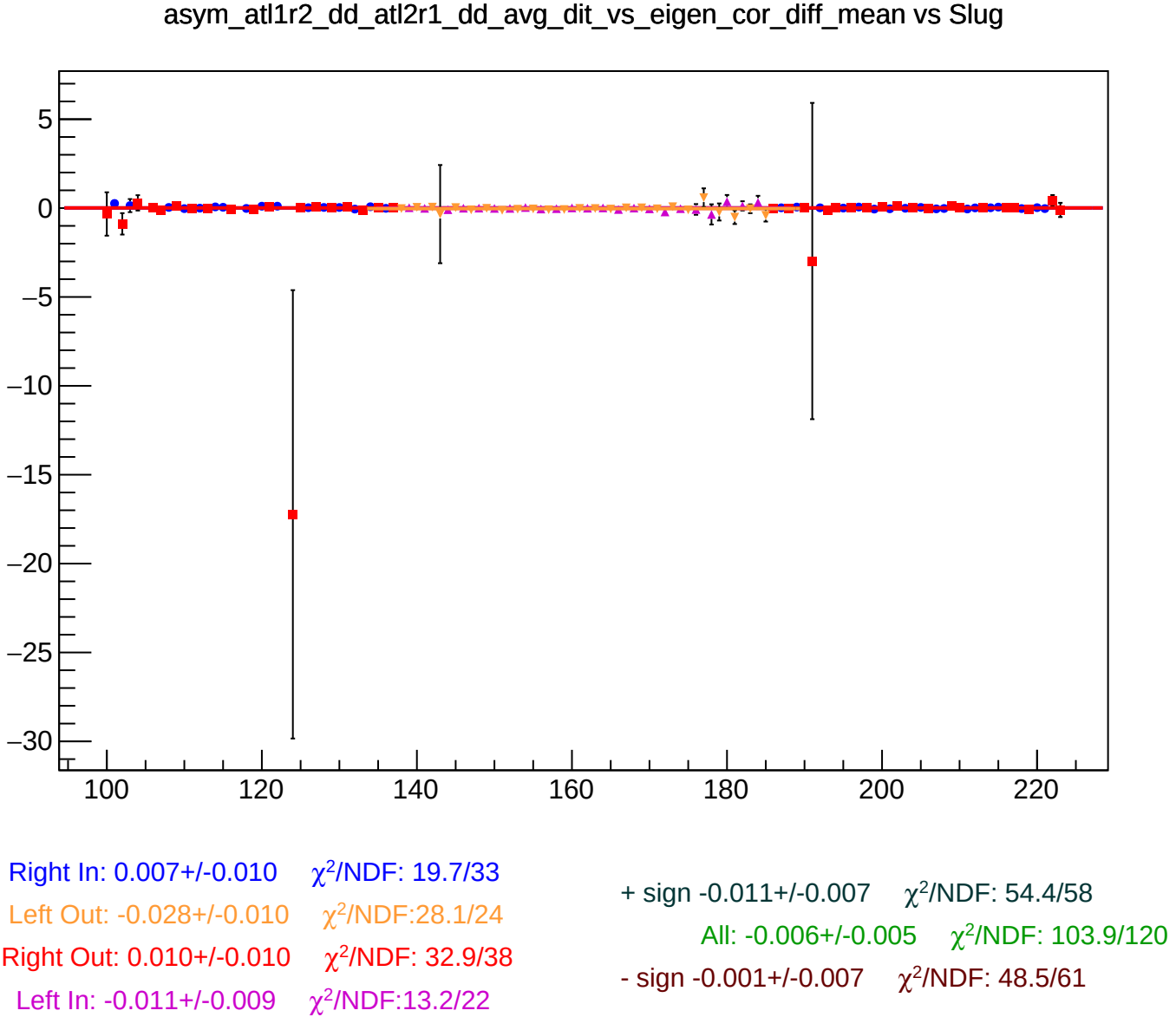
Right Out: 40.787+/-0.007 χ^2/NDF: 7284373.9/38

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954374.0/58

All: 36.483+/-0.003 χ^2/NDF: 32880679.2/120

- sign 36.541+/-0.005 χ^2/NDF: 16926021.2/61



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

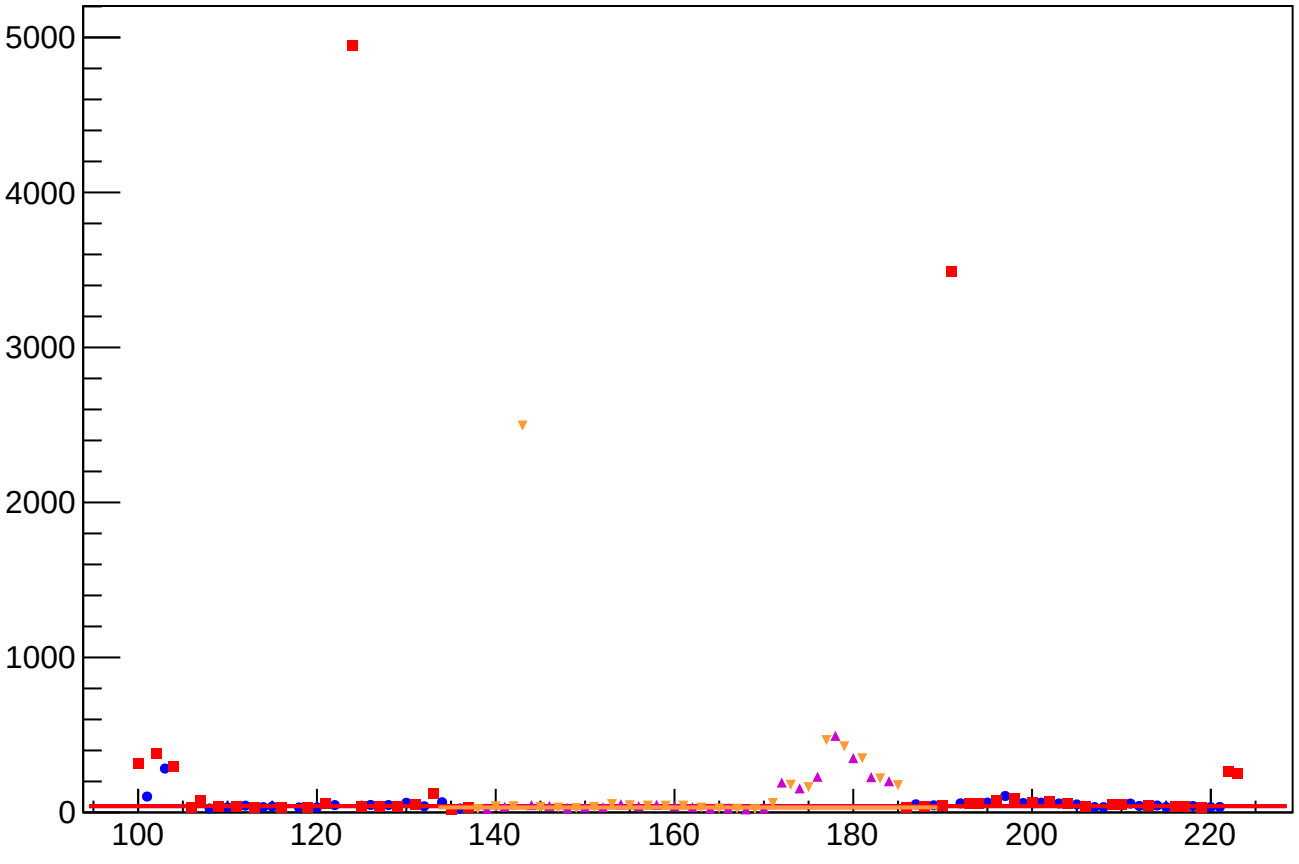
Right Out: 0.010+/-0.010 χ^2/NDF: 32.9/38

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 103.9/120

- sign -0.001+/-0.007 χ^2/NDF: 48.5/61



Right In: 40.589+/-0.007 χ^2/NDF: 4394799.5/33

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

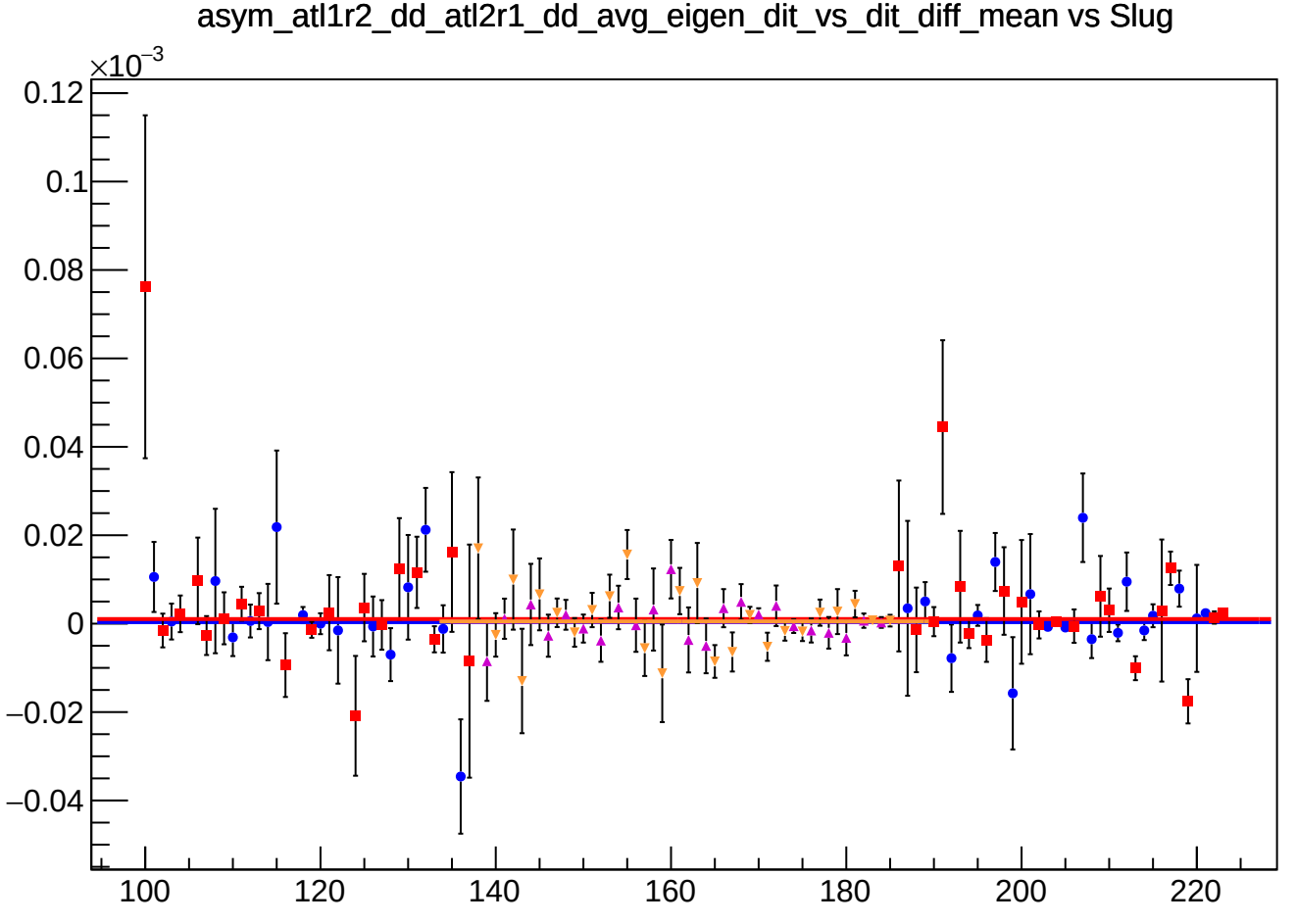
Right Out: 40.787+/-0.007 χ^2/NDF: 7284373.9/38

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954374.0/58

All: 36.483+/-0.003 χ^2/NDF: 32880679.2/120

- sign 36.541+/-0.005 χ^2/NDF: 16926021.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 50.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

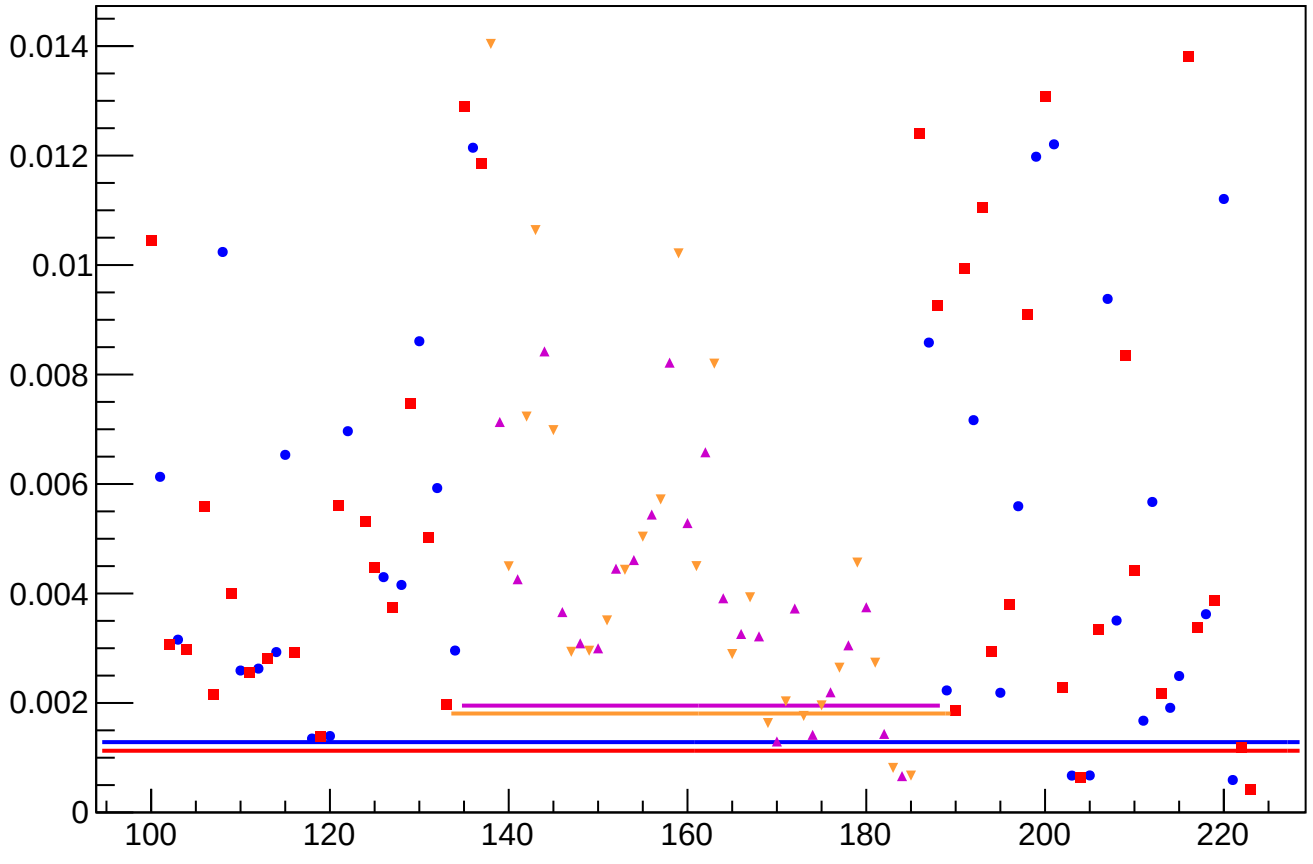
Right Out: 0.000+/-0.000 χ^2/NDF: 74.2/38

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.3/58

All: 0.000+/-0.000 χ^2/NDF: 175.9/120

- sign 0.000+/-0.000 χ^2/NDF: 88.6/61



Right In: 0.001+/-0.000 χ^2/NDF: 20495427.4/33

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

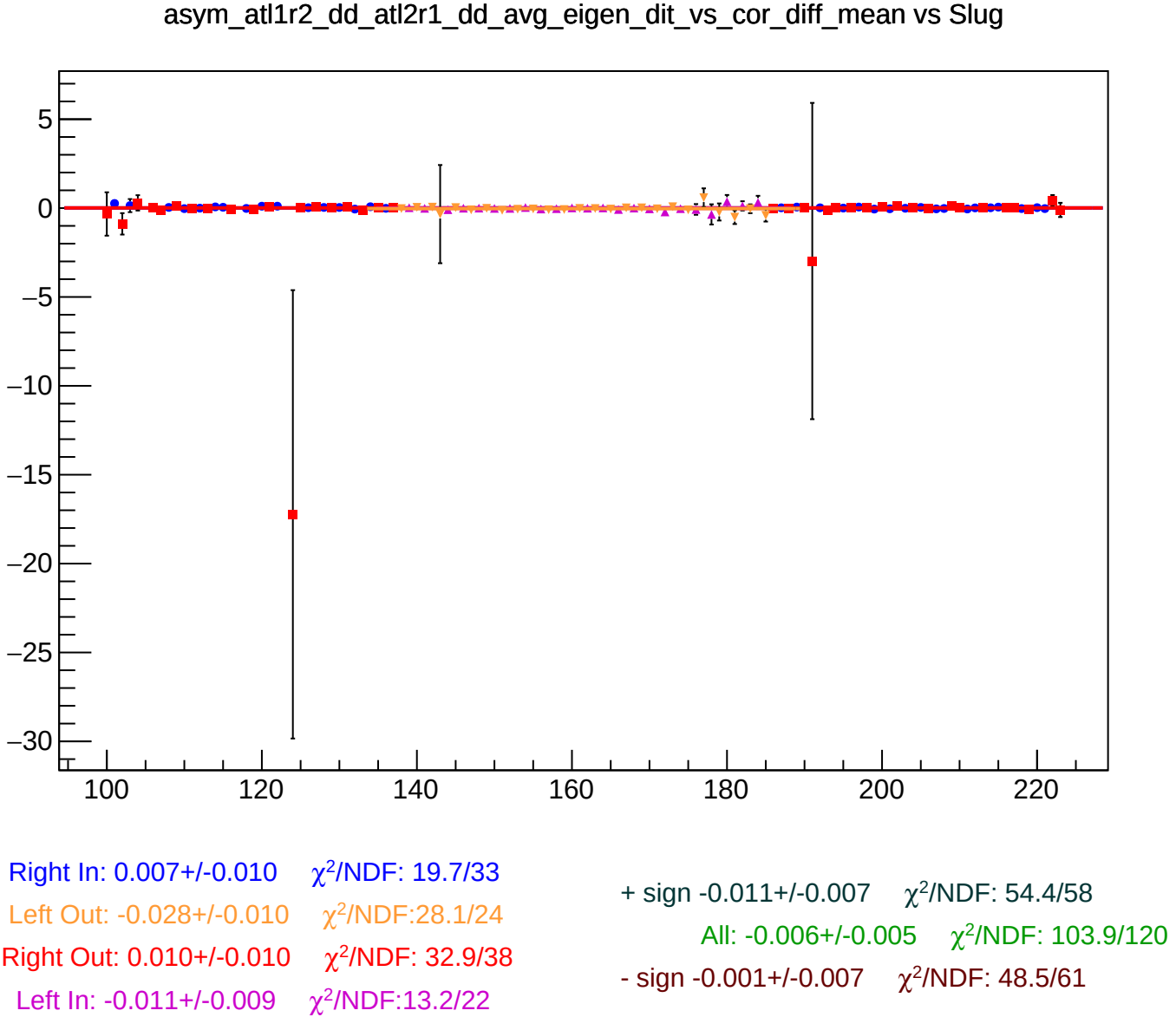
Right Out: 0.001+/-0.000 χ^2/NDF: 24296635.4/38

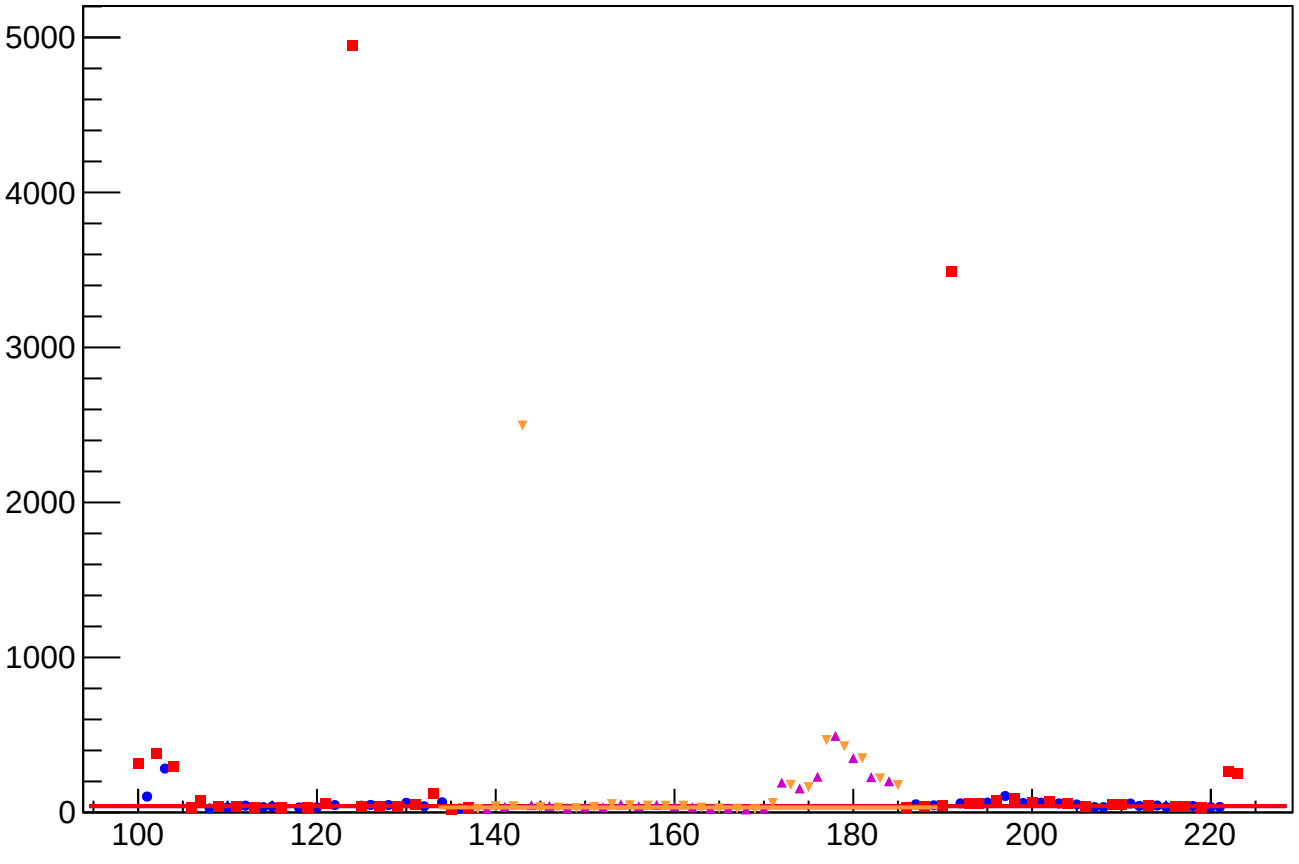
Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 36583490.2/58

All: 0.001+/-0.000 χ^2/NDF: 75223275.3/120

- sign 0.001+/-0.000 χ^2/NDF: 38533404.3/61


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
5
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
220
Right In: 0.007+/-0.010 χ²/NDF: 19.7/33
Left Out: -0.028+/-0.010 χ²/NDF:28.1/24
Right Out: 0.010+/-0.010 χ²/NDF: 32.9/38
Left In: -0.011+/-0.009 χ²/NDF:13.2/22
+ sign -0.011+/-0.007 χ²/NDF: 54.4/58
All: -0.006+/-0.005 χ²/NDF: 103.9/120
- sign -0.001+/-0.007 χ²/NDF: 48.5/61



Right In: 40.589+/-0.007 χ^2/NDF: 4394406.4/33

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

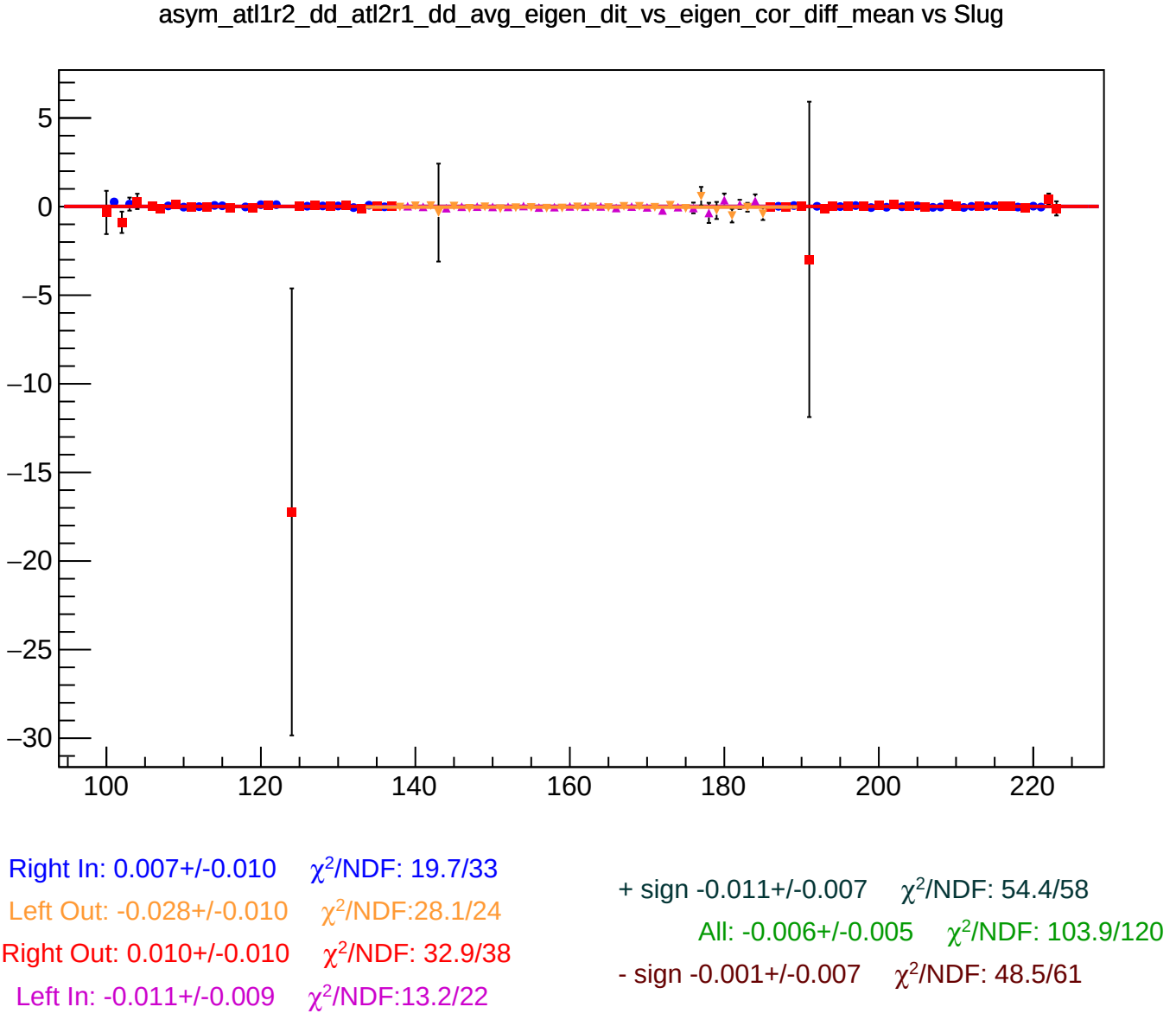
Right Out: 40.787+/-0.007 χ^2/NDF: 7284138.6/38

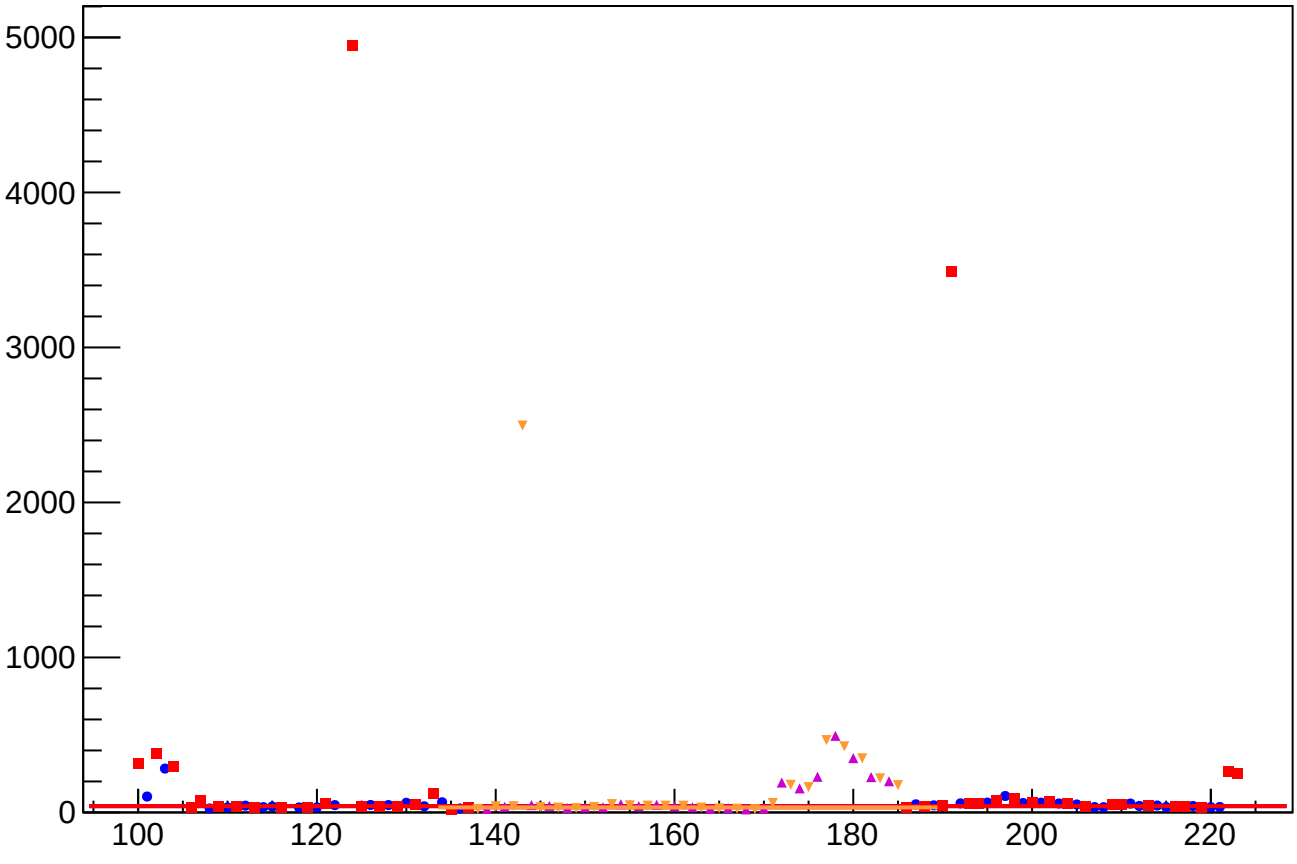
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954323.9/58

All: 36.483+/-0.003 χ^2/NDF: 32881269.2/120

- sign 36.541+/-0.005 χ^2/NDF: 16926665.2/61


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
220
Right In: 0.007+/-0.010 χ²/NDF: 19.7/33
Left Out: -0.028+/-0.010 χ²/NDF:28.1/24
Right Out: 0.010+/-0.010 χ²/NDF: 32.9/38
Left In: -0.011+/-0.009 χ²/NDF:13.2/22
+ sign -0.011+/-0.007 χ²/NDF: 54.4/58
All: -0.006+/-0.005 χ²/NDF: 103.9/120
- sign -0.001+/-0.007 χ²/NDF: 48.5/61



Right In: 40.589+/-0.007 χ^2/NDF: 4394406.4/33

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

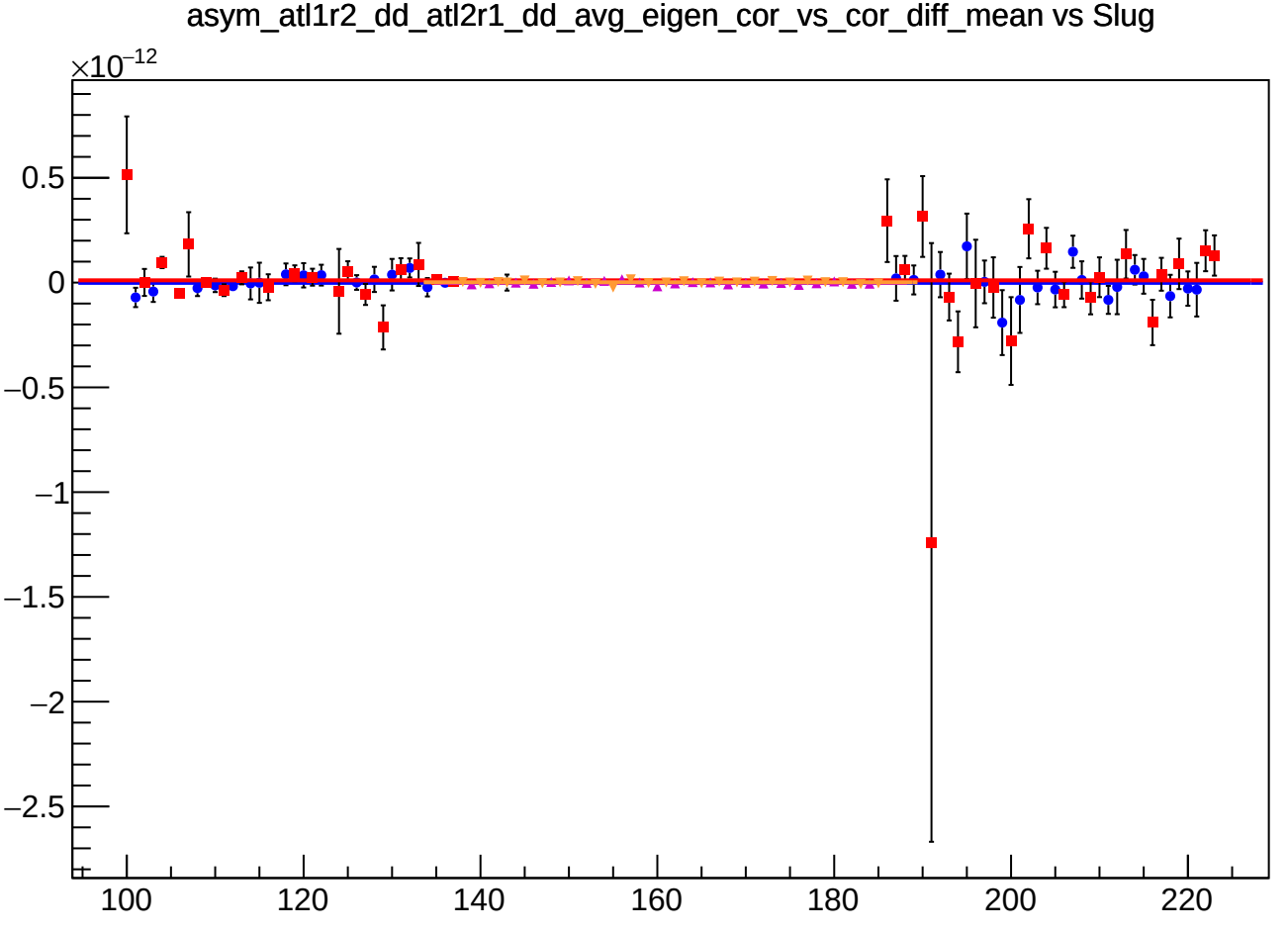
Right Out: 40.787+/-0.007 χ^2/NDF: 7284138.6/38

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954323.9/58

All: 36.483+/-0.003 χ^2/NDF: 32881269.2/120

- sign 36.541+/-0.005 χ^2/NDF: 16926665.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

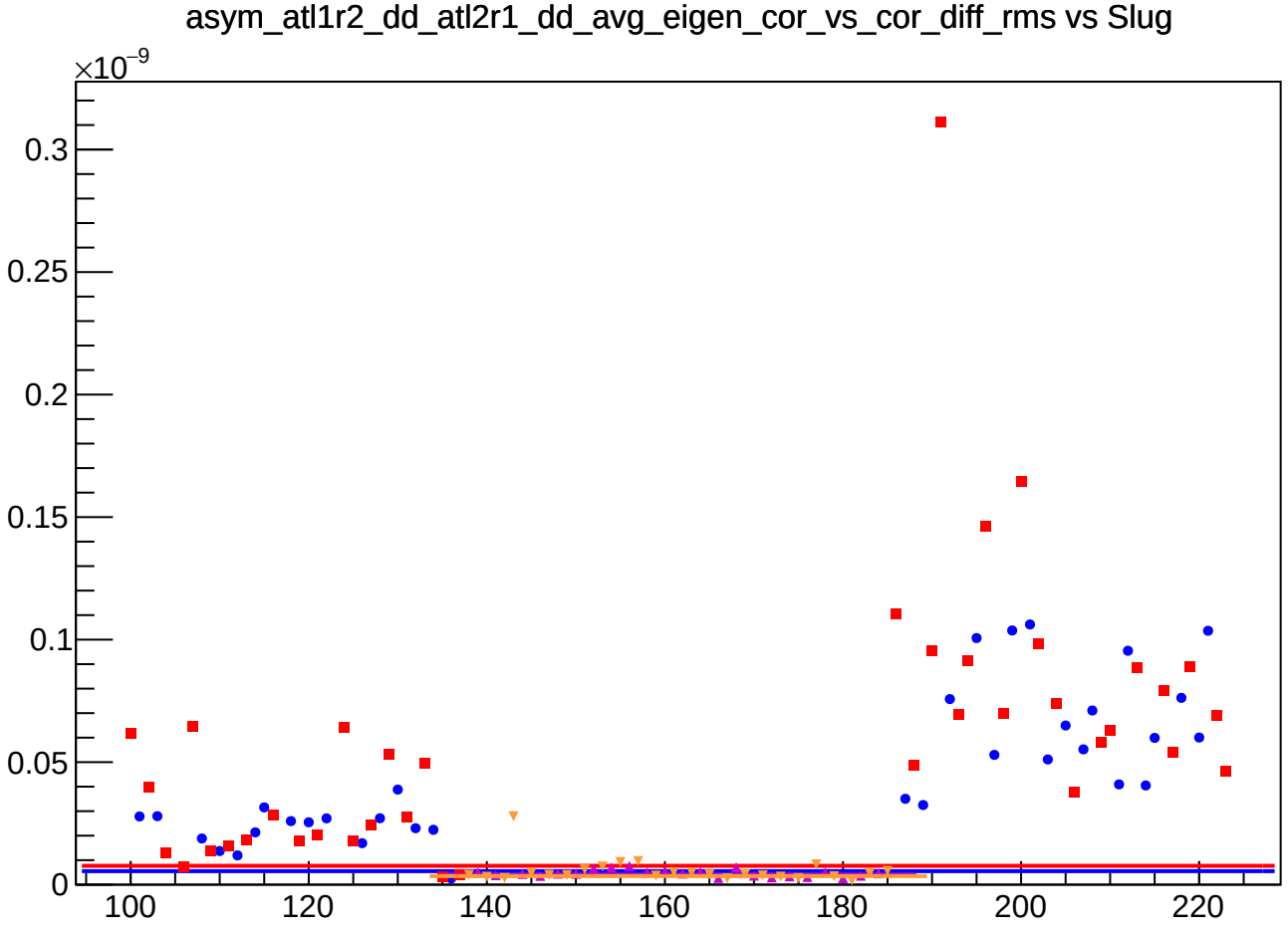
Right Out: 0.000+/-0.000 χ^2/NDF: 69.1/38

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/58

All: 0.000+/-0.000 χ^2/NDF: 144.3/120

- sign -0.000+/-0.000 χ^2/NDF: 105.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 18940700.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

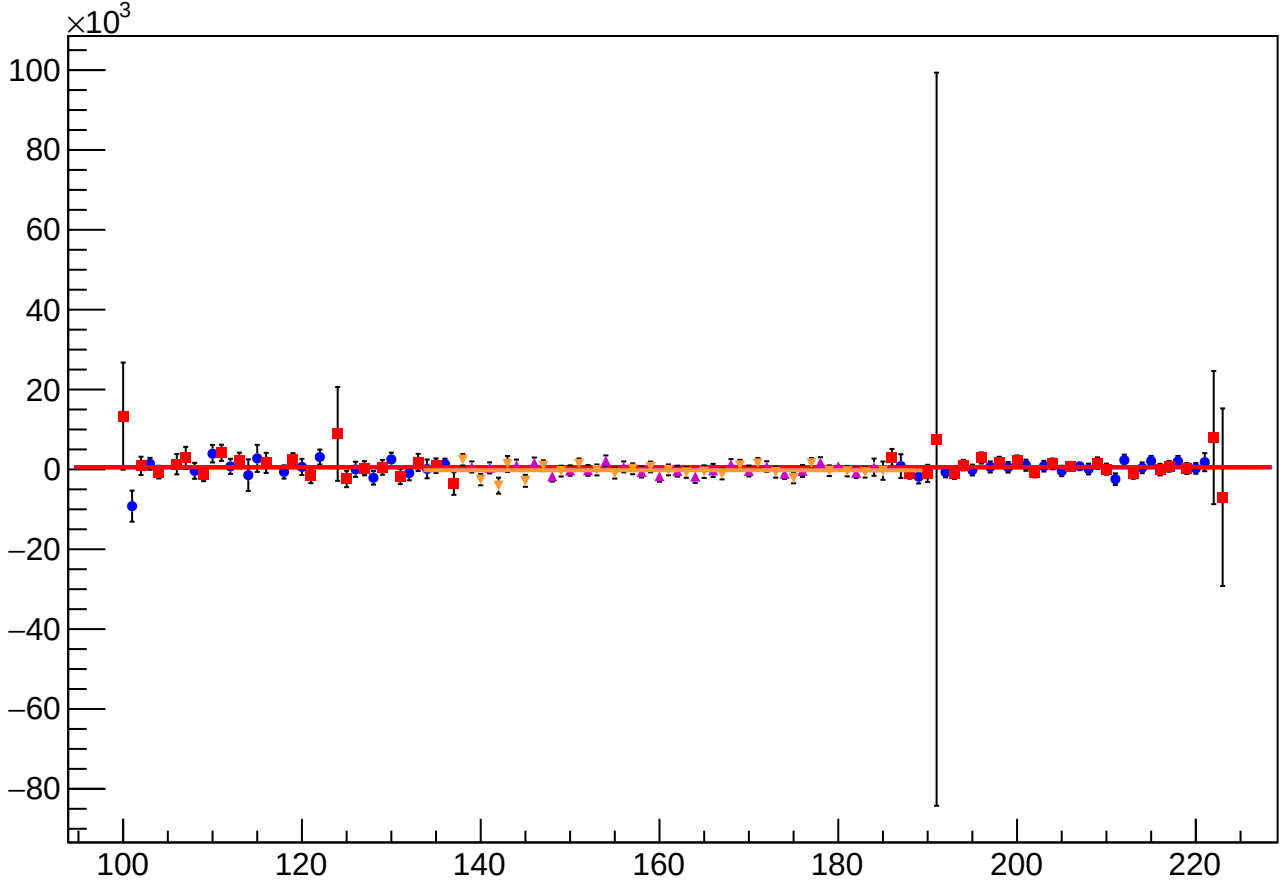
Right Out: 0.000+/-0.000 χ^2/NDF: 19035154.0/38

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 24281145.0/58

All: 0.000+/-0.000 χ^2/NDF: 47197722.0/120

- sign 0.000+/-0.000 χ^2/NDF: 22627466.0/61



Right In: 493.125+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 577.609+/-277.551 χ^2/NDF: 30.1/38

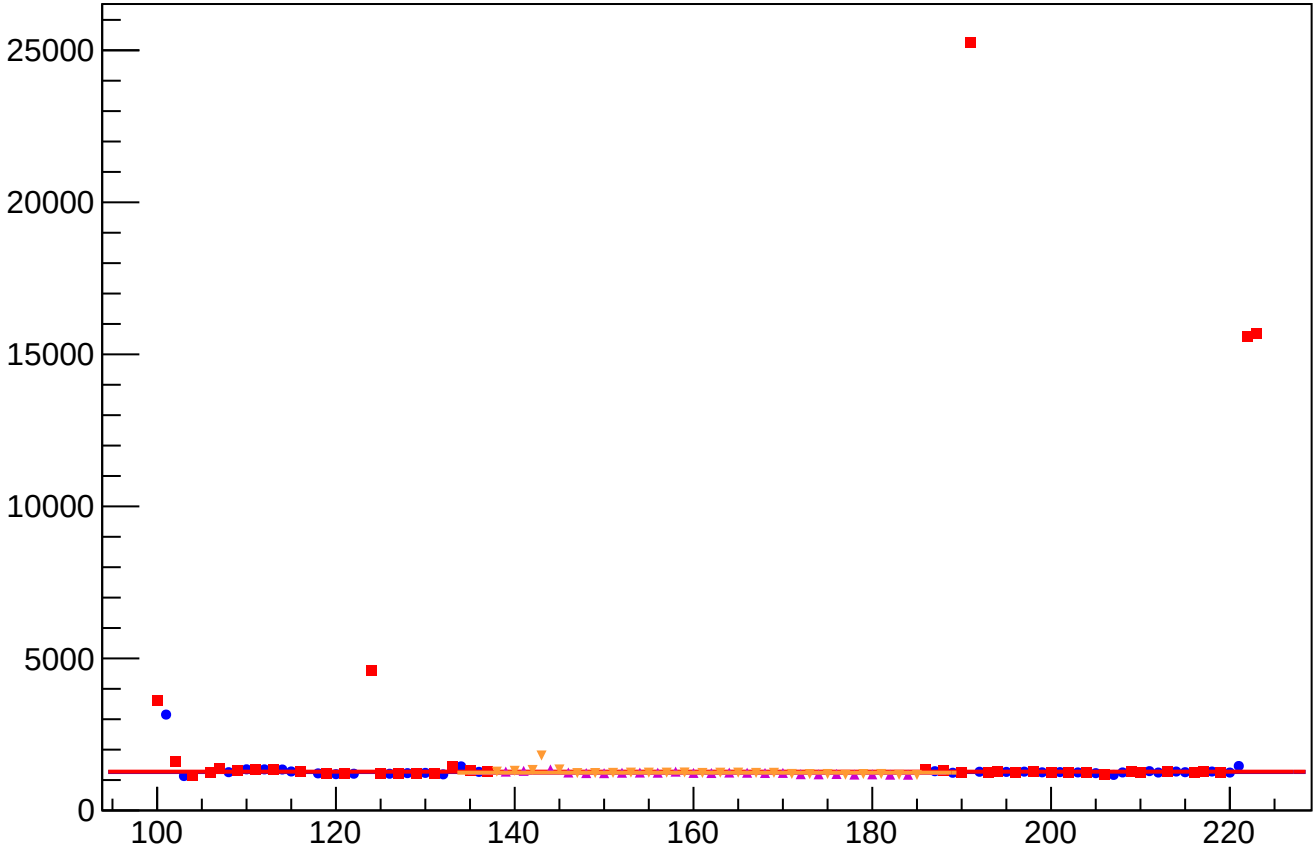
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 147.309+/-197.011 χ^2/NDF: 57.2/58

All: 244.286+/-140.326 χ^2/NDF: 103.9/120

- sign 344.150+/-199.922 χ^2/NDF: 46.3/61

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552039.5/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

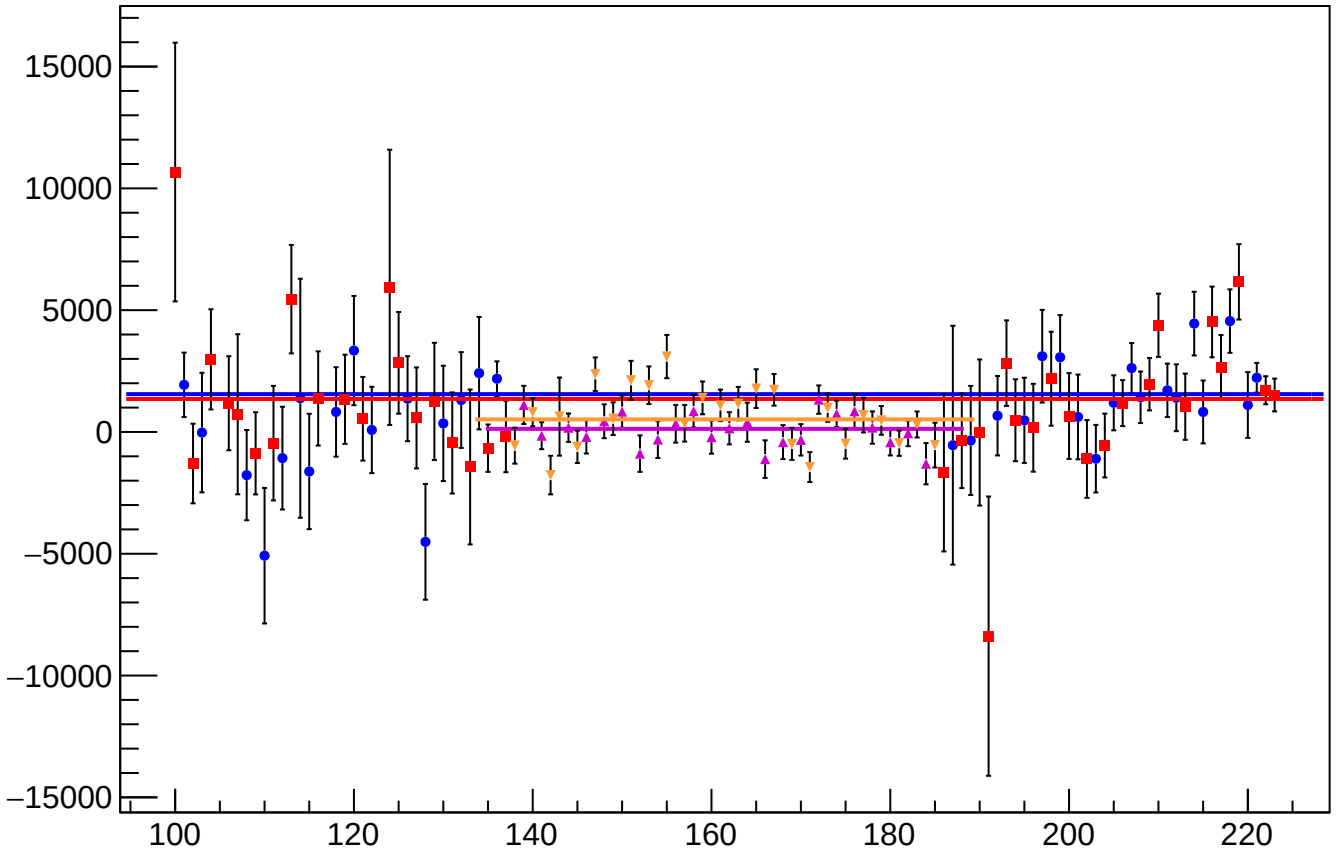
Right Out: 1275.763+/-0.196 χ^2/NDF: 2804518.2/38

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760653.1/58

All: 1254.409+/-0.099 χ^2/NDF: 3626628.8/12

- sign 1255.550+/-0.141 χ^2/NDF: 2865847.4/61



Right In: 1552.414+/-243.046 χ^2/NDF: 42.0/33

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

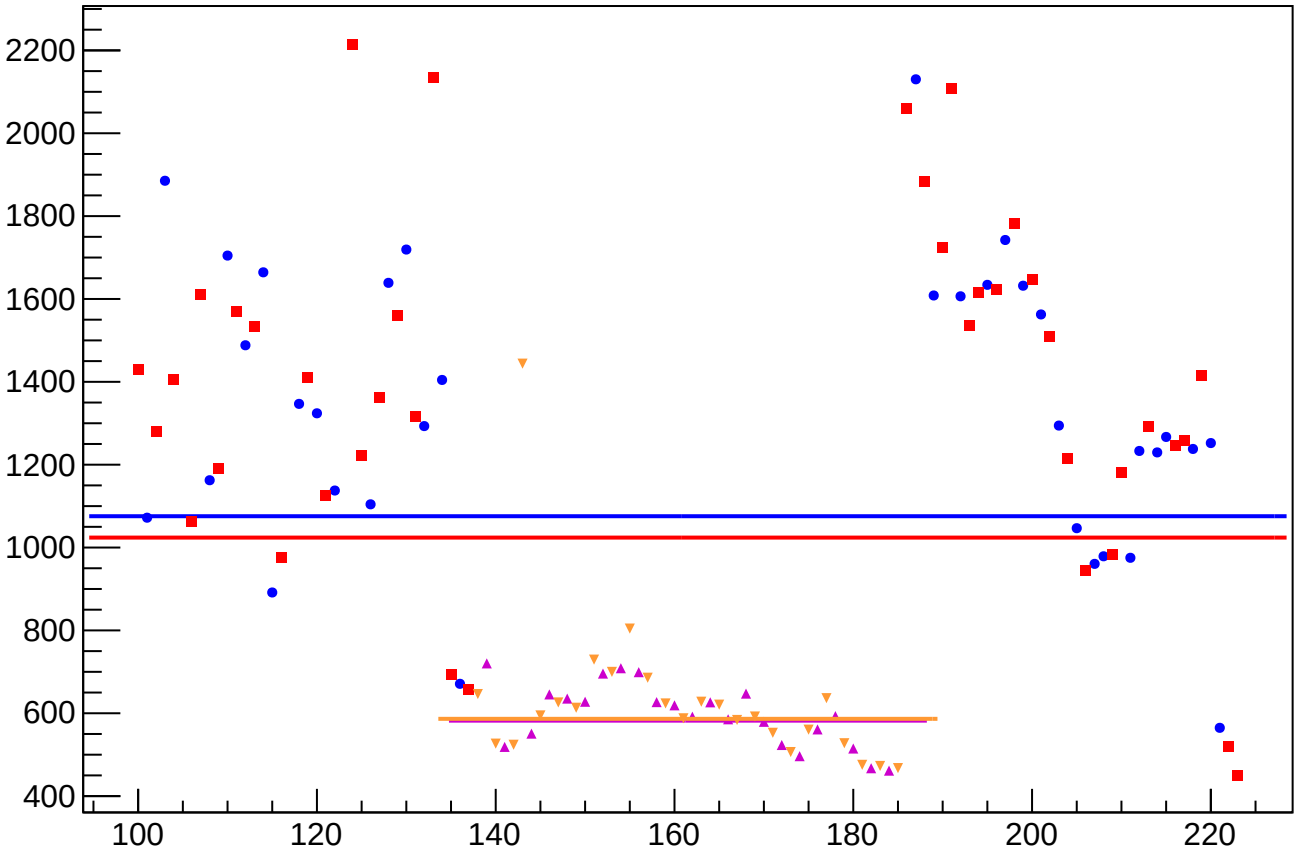
Right Out: 1353.595+/-235.366 χ^2/NDF: 53.3/38

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 763.034+/-118.514 χ^2/NDF: 122.9/58

All: 600.595+/-83.823 χ^2/NDF: 221.8/120

- sign 437.989+/-118.574 χ^2/NDF: 95.1/61



Right In: 1075.621+/-0.172 χ^2/NDF: 4392031.9/33

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

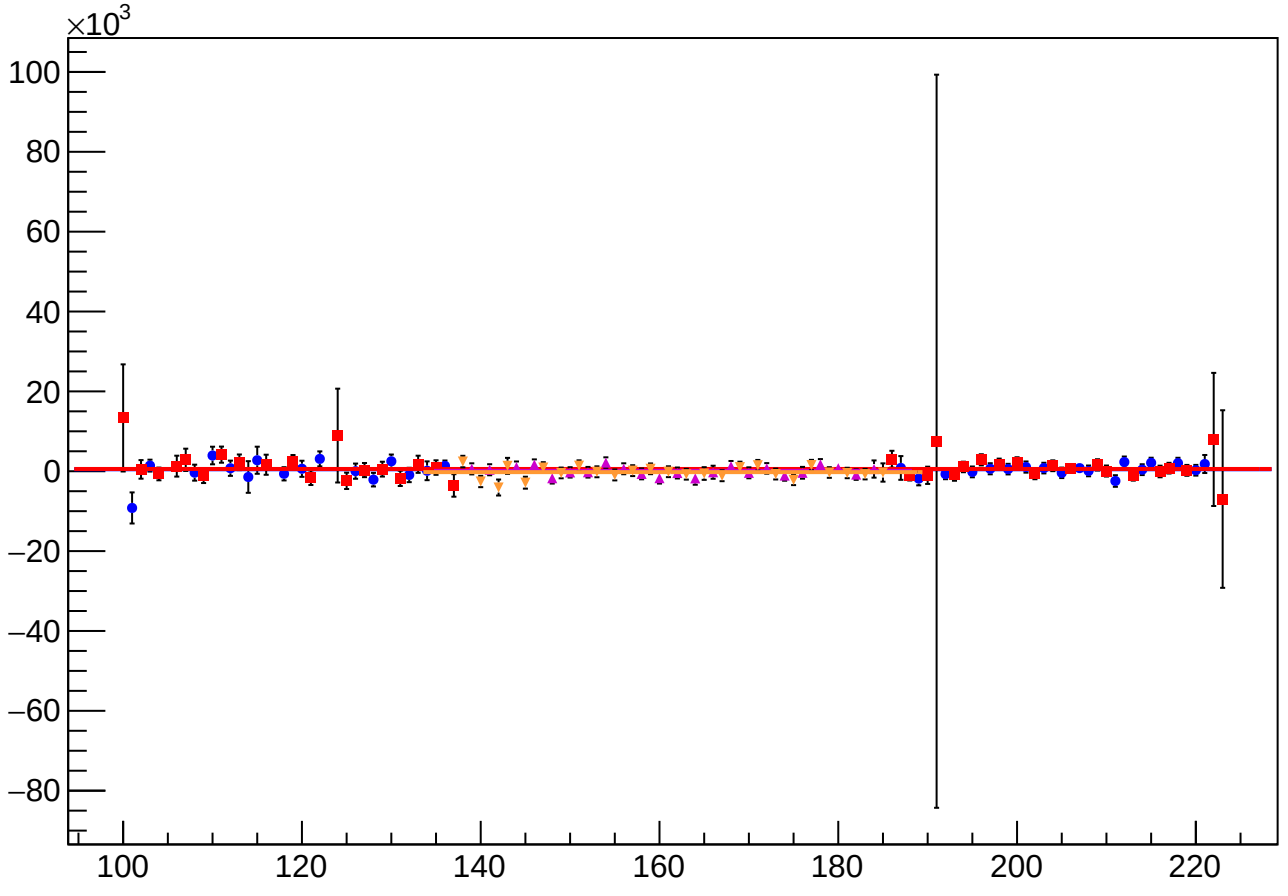
Right Out: 1024.036+/-0.166 χ^2/NDF: 6983357.6/38

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 702.843+/-0.084 χ^2/NDF: 11767522.8/58

All: 698.589+/-0.059 χ^2/NDF: 24574710.0/12

- sign 694.331+/-0.084 χ^2/NDF: 12802031.7/61



Right In: 493.300+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 570.847+/-277.708 χ^2/NDF: 30.1/38

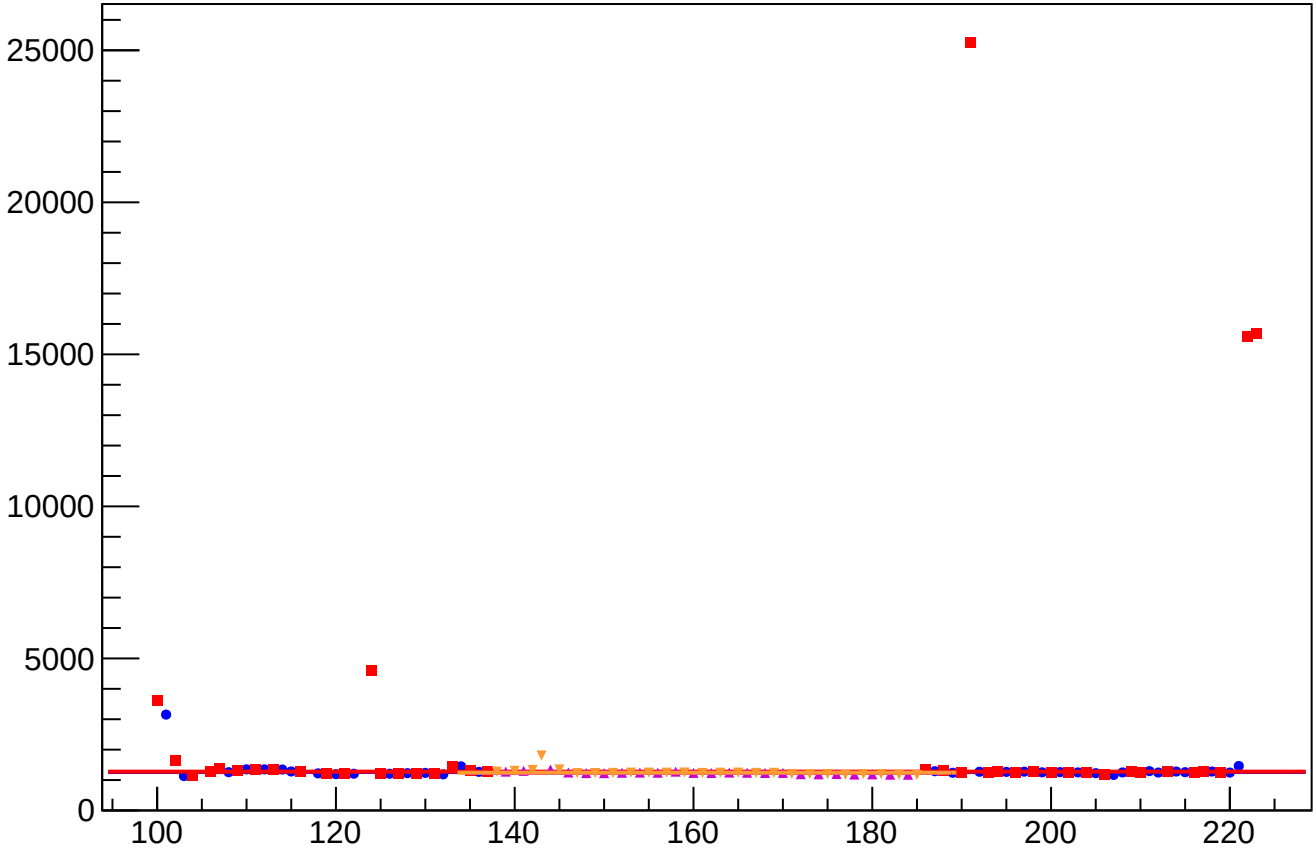
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 147.383+/-197.011 χ^2/NDF: 57.2/58

All: 242.516+/-140.346 χ^2/NDF: 103.8/120

- sign 340.539+/-199.981 χ^2/NDF: 46.2/61

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552040.9/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

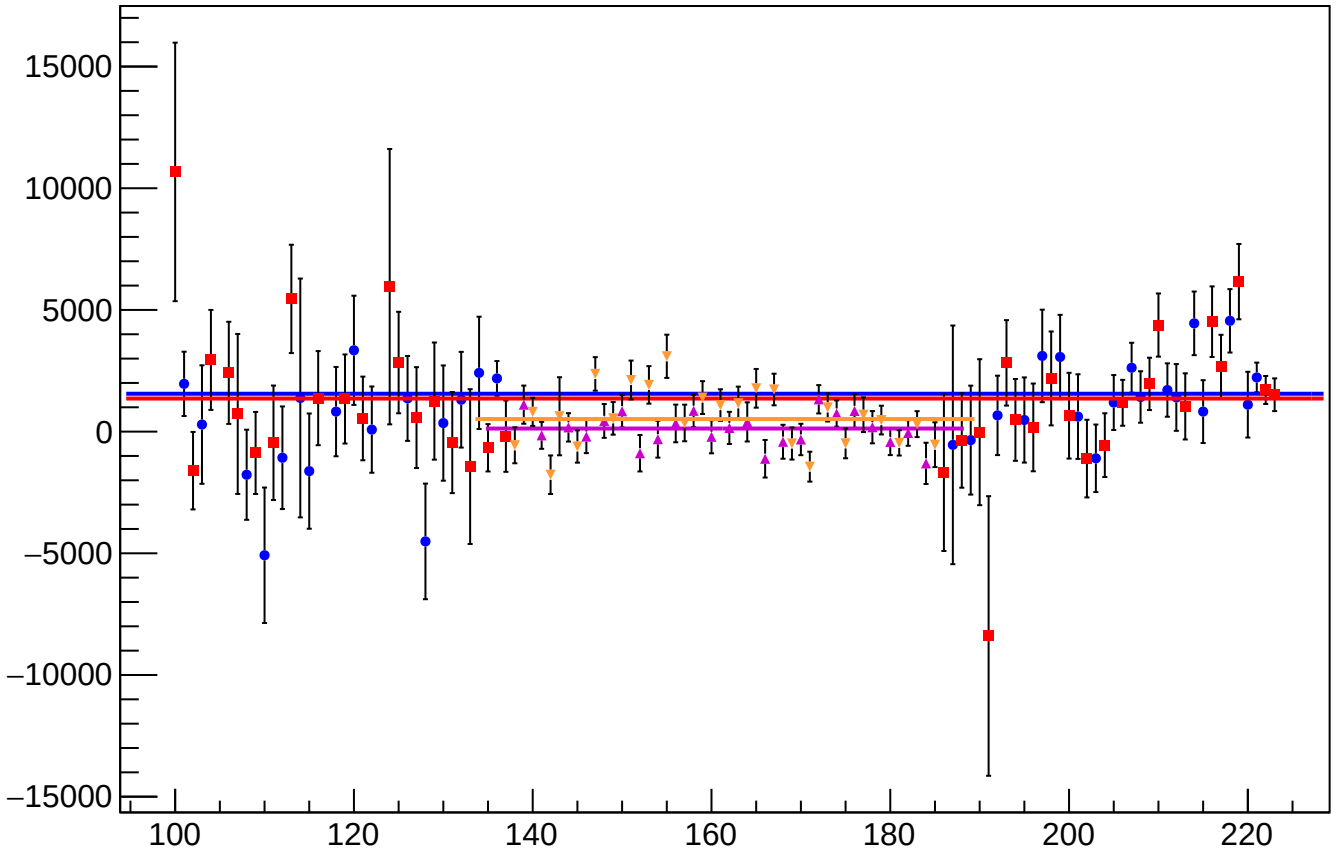
Right Out: 1276.518+/-0.196 χ^2/NDF: 2811464.7/38

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760654.5/58

All: 1254.596+/-0.099 χ^2/NDF: 3634410.1/12

- sign 1255.929+/-0.141 χ^2/NDF: 2873580.5/61



Right In: 1556.117+/-243.036 χ^2/NDF: 41.9/33

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

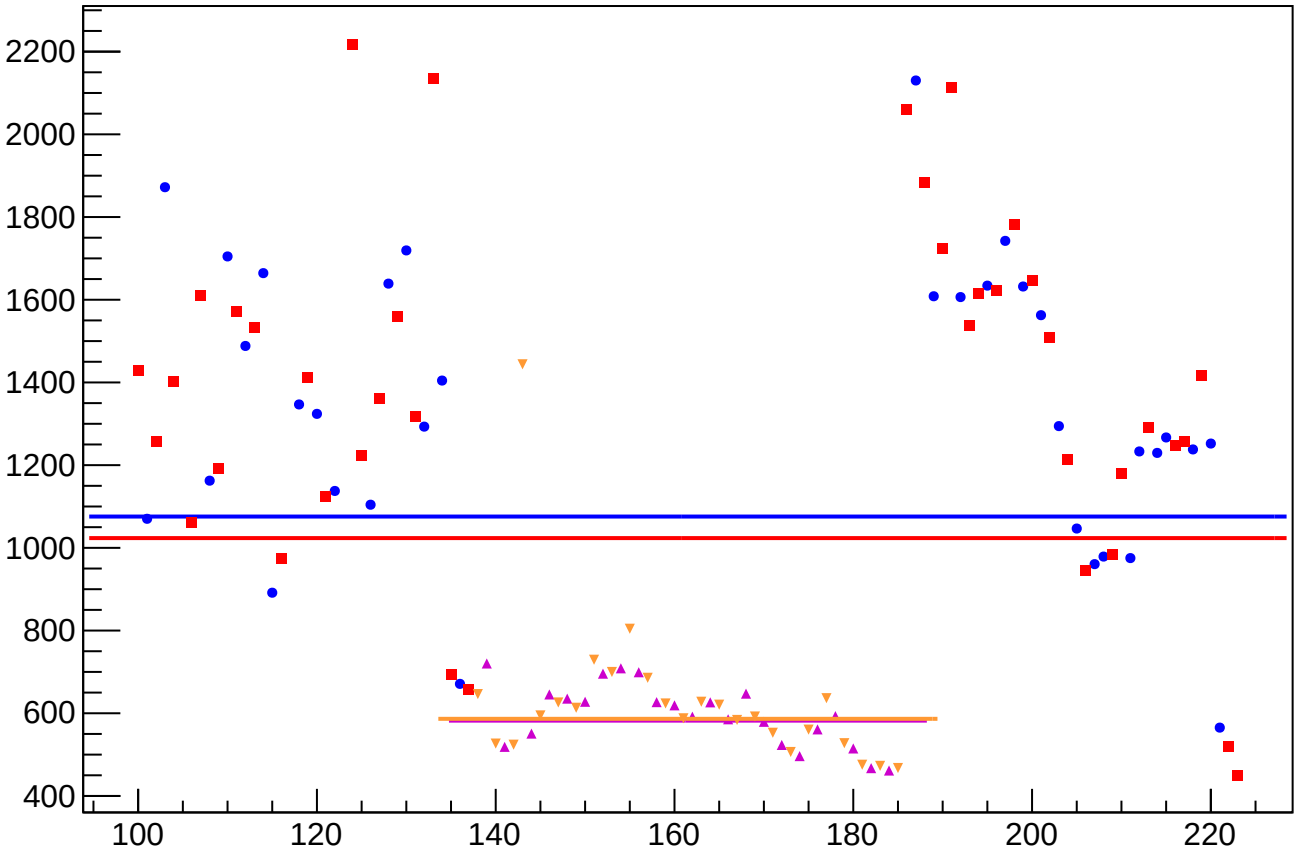
Right Out: 1359.028+/-235.484 χ^2/NDF: 54.3/38

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 763.948+/-118.513 χ^2/NDF: 122.9/58

All: 601.637+/-83.828 χ^2/NDF: 222.9/120

- sign 439.119+/-118.589 χ^2/NDF: 96.3/61



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

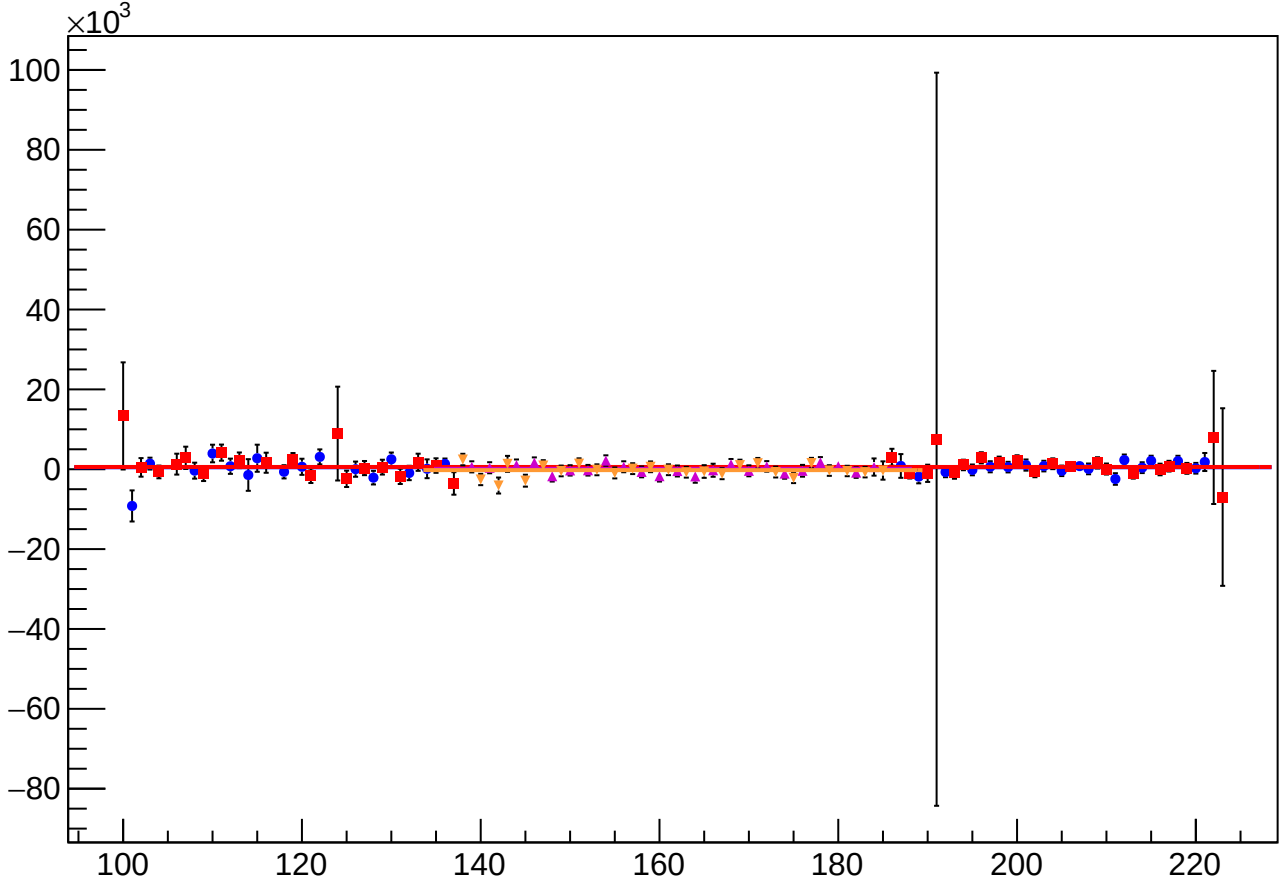
Right Out: 1023.605+/-0.167 χ^2/NDF: 6980302.2/38

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 702.879+/-0.084 χ^2/NDF: 11762756.9/58

All: 698.511+/-0.059 χ^2/NDF: 24553035.7/12

- sign 694.136+/-0.084 χ^2/NDF: 12784839.6/61



Right In: 493.300+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

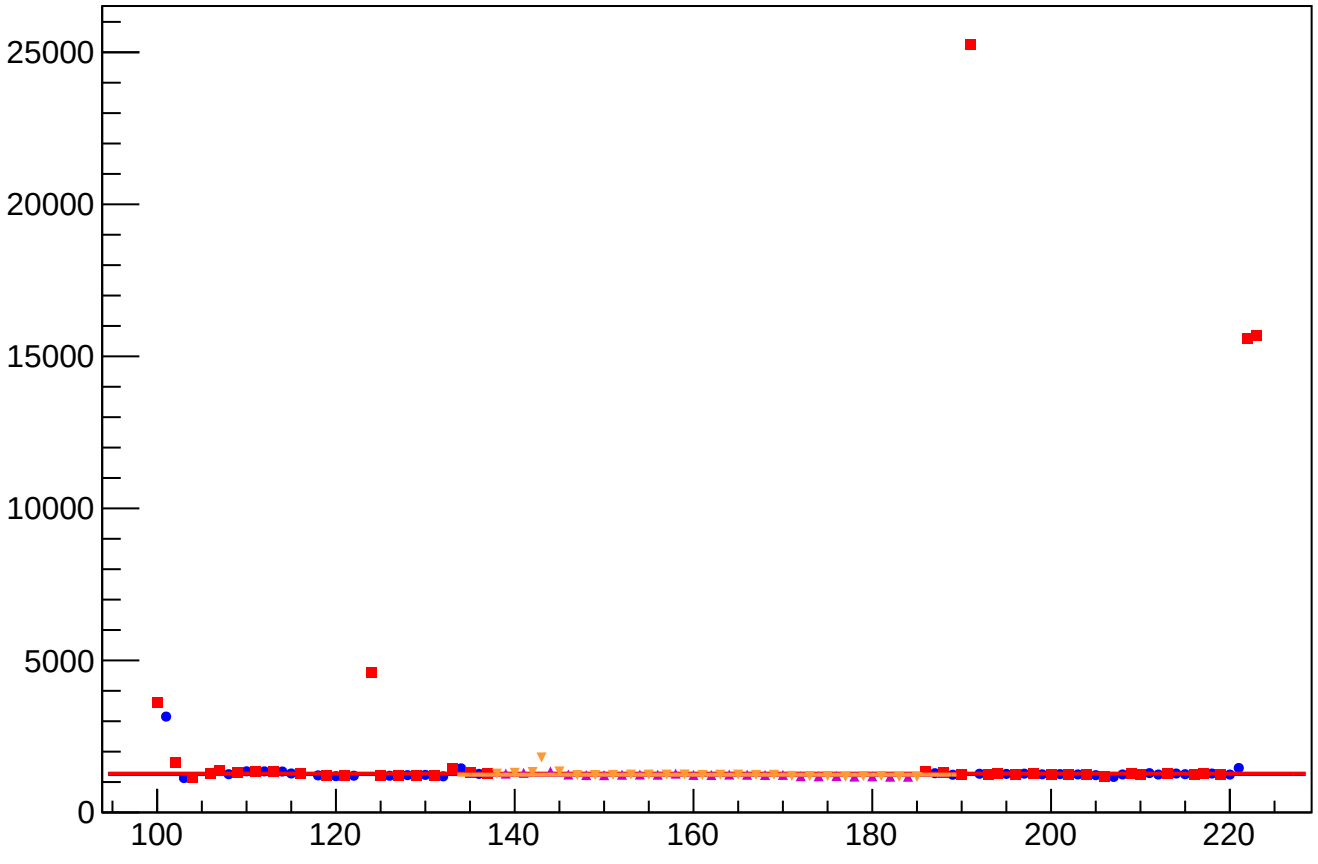
Right Out: 570.847+/-277.708 χ^2/NDF: 30.1/38

Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign 147.383+/-197.011 χ^2/NDF: 57.2/58

All: 242.516+/-140.346 χ^2/NDF: 103.8/120

\- sign 340.539+/-199.981 χ^2/NDF: 46.2/61



Right In: 1263.146+/-0.194 χ^2/NDF: 552040.9/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

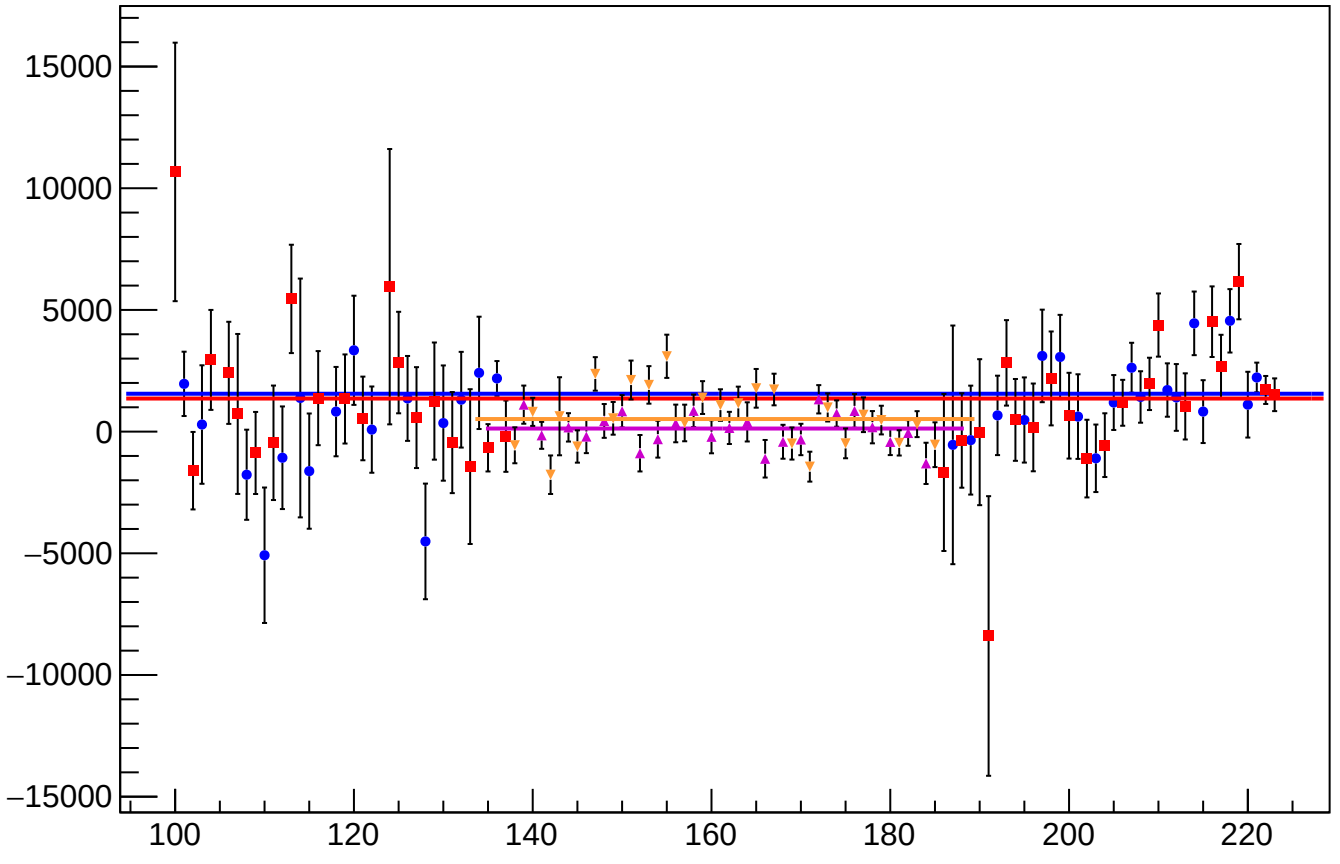
Right Out: 1276.518+/-0.196 χ^2/NDF: 2811464.7/38

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760654.5/58

All: 1254.596+/-0.099 χ^2/NDF: 3634410.1/12

- sign 1255.929+/-0.141 χ^2/NDF: 2873580.5/61



Right In: 1556.117+/-243.036 χ^2/NDF: 41.9/33

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

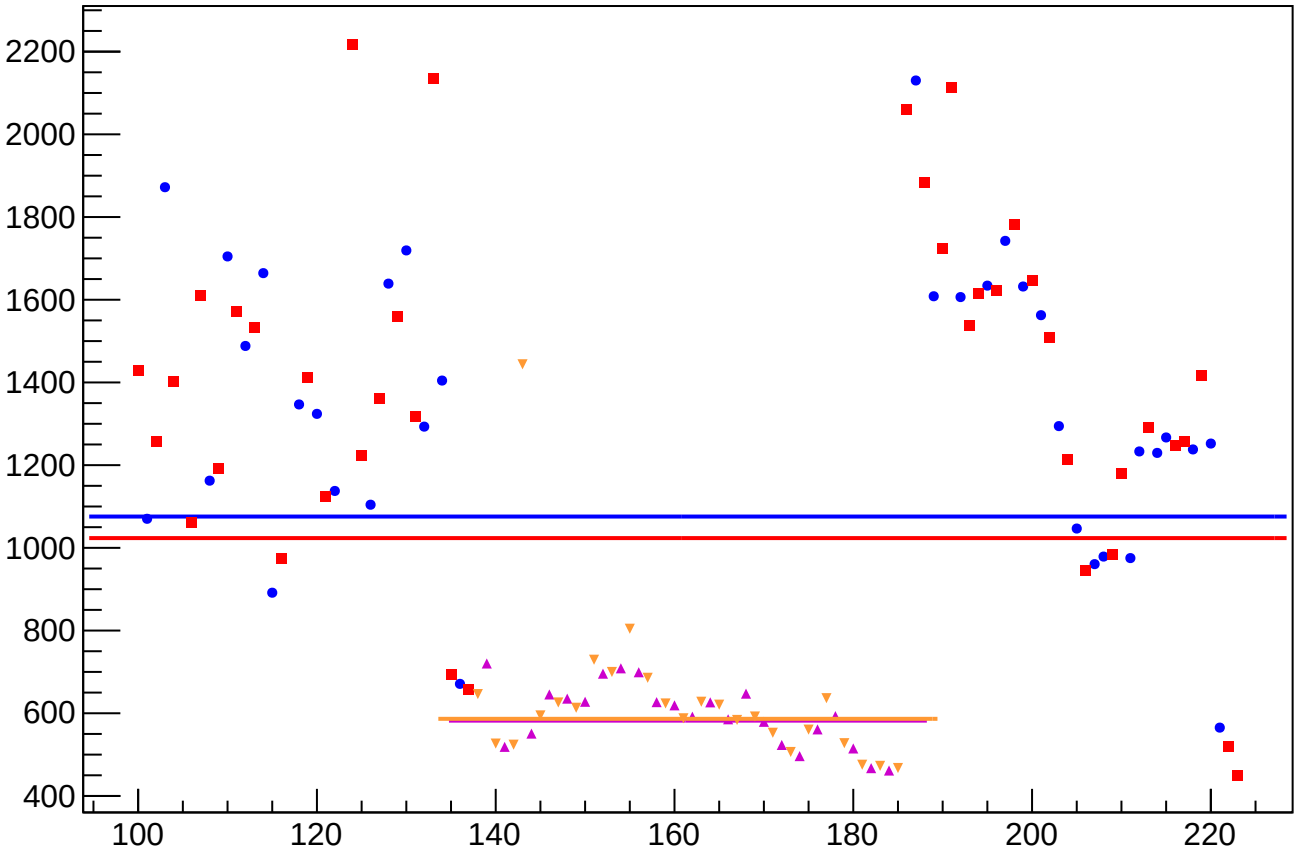
Right Out: 1359.028+/-235.484 χ^2/NDF: 54.3/38

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 763.948+/-118.513 χ^2/NDF: 122.9/58

All: 601.637+/-83.828 χ^2/NDF: 222.9/120

- sign 439.119+/-118.589 χ^2/NDF: 96.3/61



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1023.605+/-0.167 χ^2/NDF: 6980302.2/38

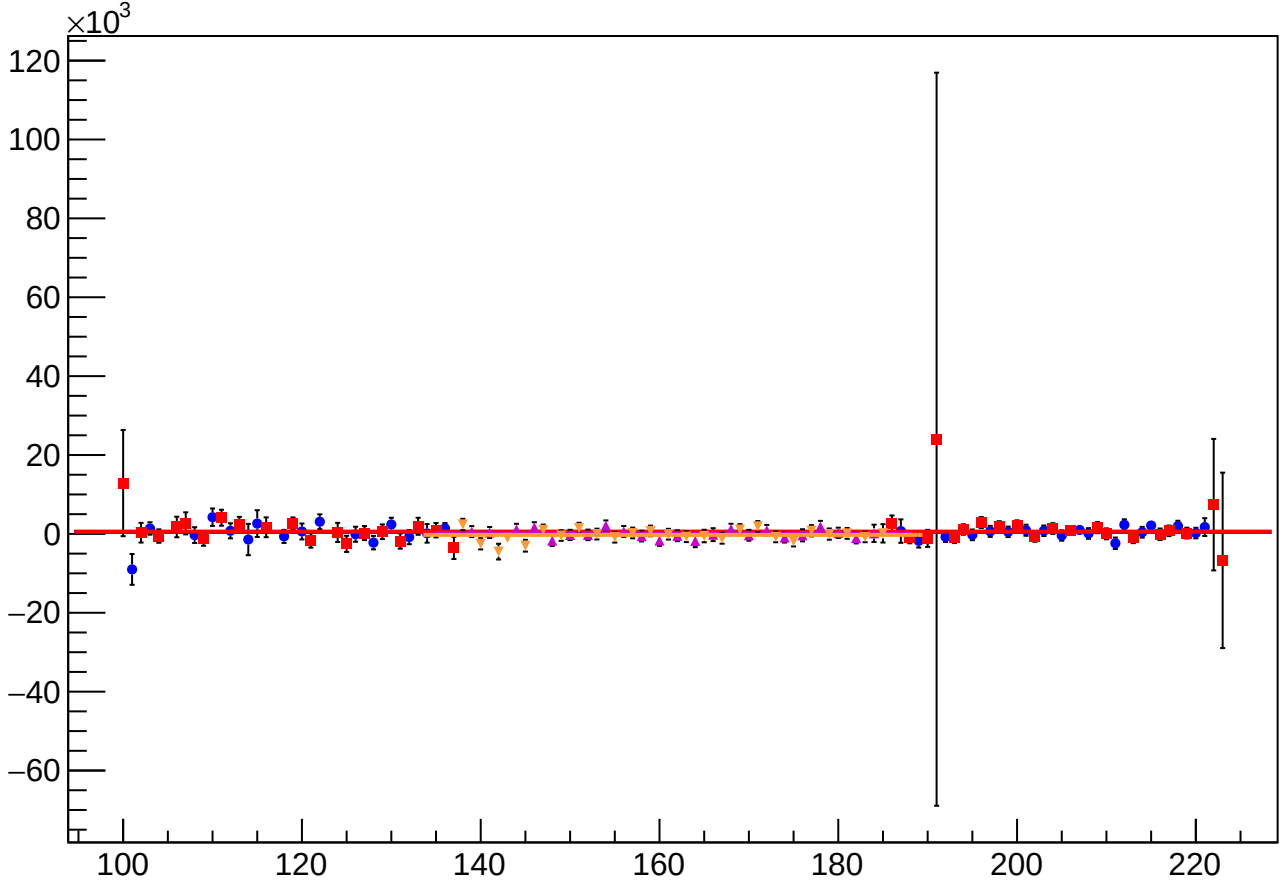
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 702.879+/-0.084 χ^2/NDF: 11762756.9/58

All: 698.511+/-0.059 χ^2/NDF: 24553035.7/12

- sign 694.136+/-0.084 χ^2/NDF: 12784839.6/61

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 496.950+/-275.122 χ^2/NDF: 29.8/33

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.894+/-277.157 χ^2/NDF: 29.6/38

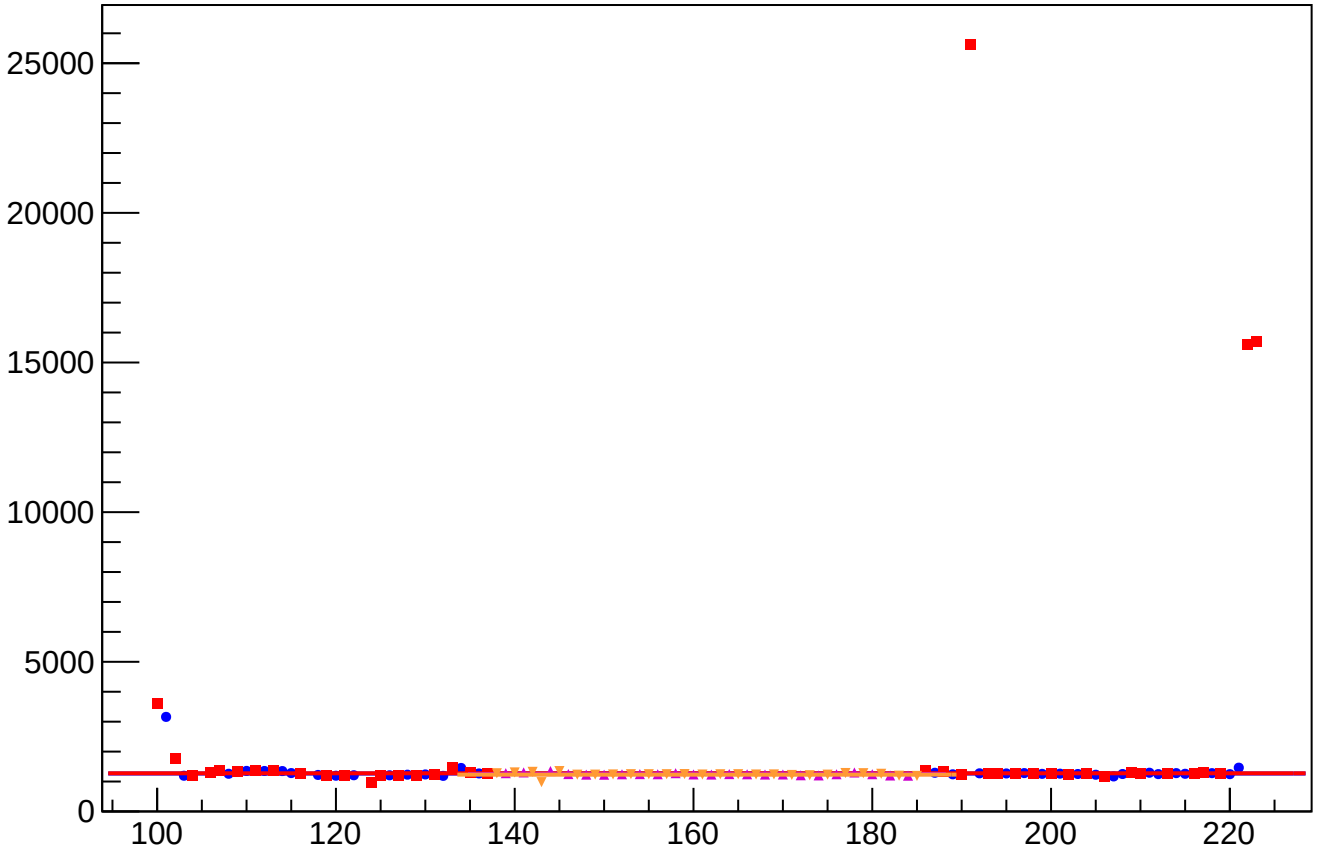
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 129.518+/-196.216 χ^2/NDF: 57.5/58

All: 229.268+/-140.354 χ^2/NDF: 103.1/120

- sign 333.779+/-200.845 χ^2/NDF: 45.1/61

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1266.710+/-0.195 χ^2/NDF: 541355.9/33

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

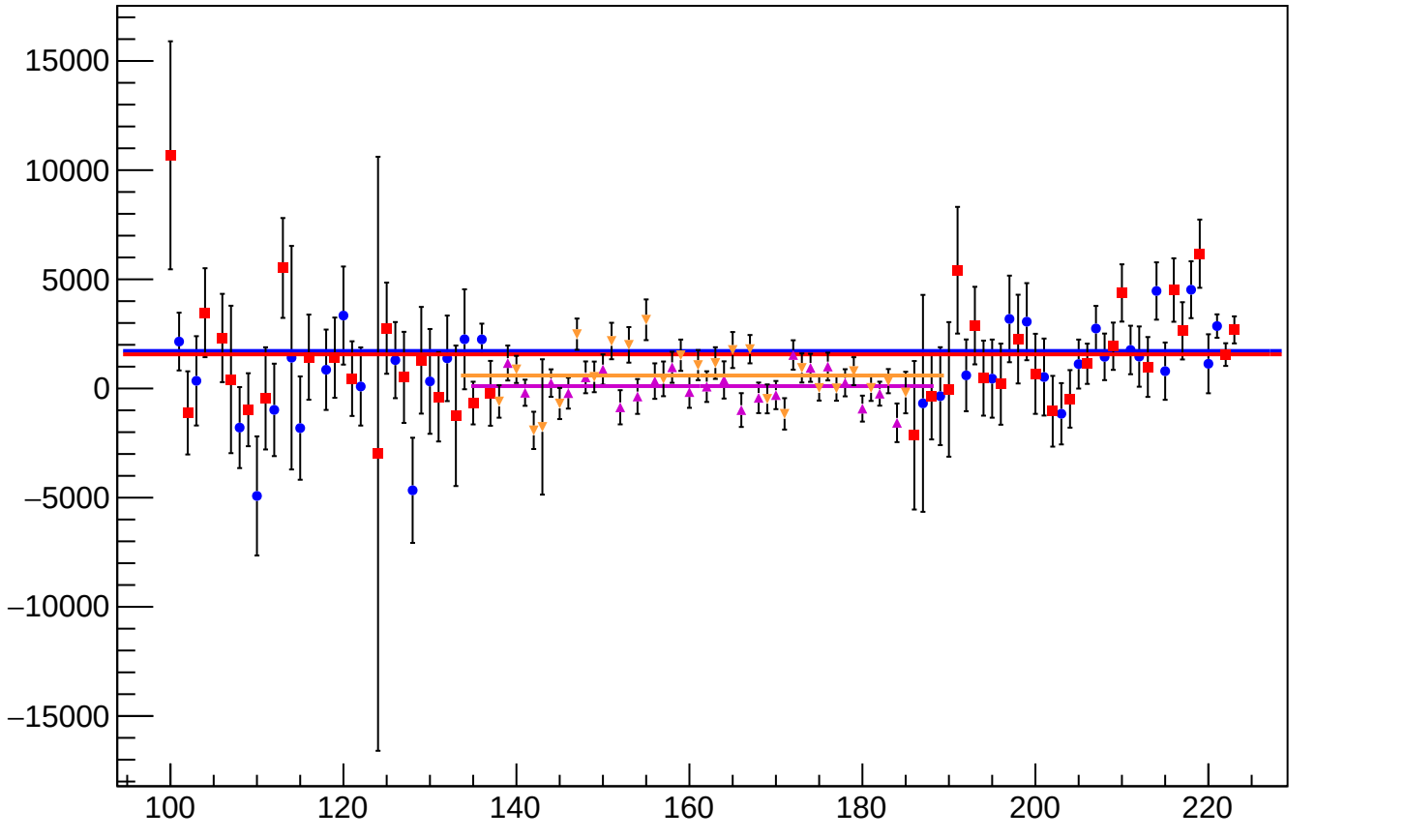
Right Out: 1275.327+/-0.196 χ^2/NDF: 2703162.5/38

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1248.666+/-0.139 χ^2/NDF: 700472.5/58

All: 1255.299+/-0.099 χ^2/NDF: 3445034.1/12

- sign 1262.248+/-0.142 χ^2/NDF: 2739881.5/61



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

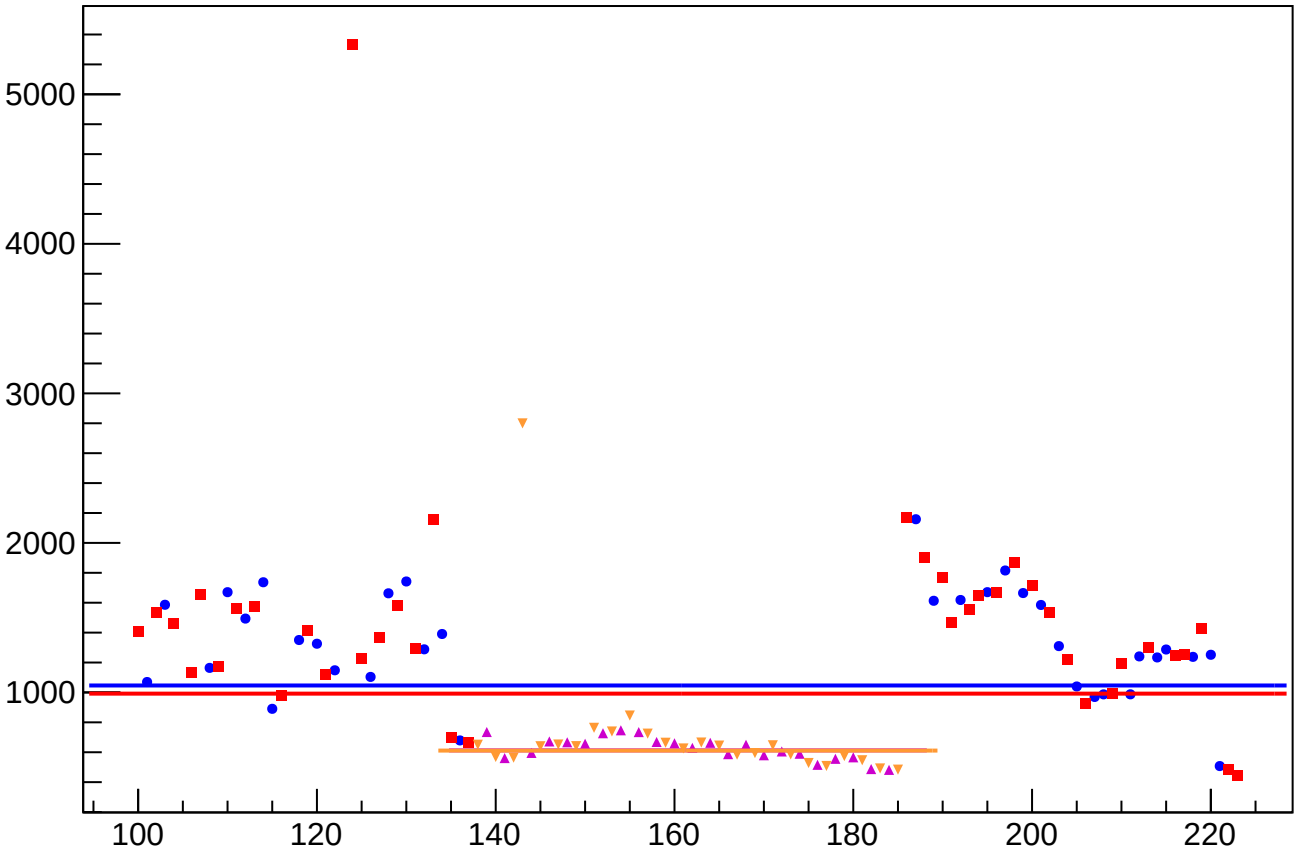
Right Out: 1564.727+/-229.885 χ^2/NDF: 54.6/38

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 889.330+/-122.108 χ^2/NDF: 120.6/58

All: 705.308+/-86.367 χ^2/NDF: 234.2/120

- sign 521.080+/-122.176 χ^2/NDF: 109.0/61



Right In: 1046.482+/-0.169 χ^2/NDF: 5164898.1/33

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 991.933+/-0.163 χ^2/NDF: 8267719.2/38

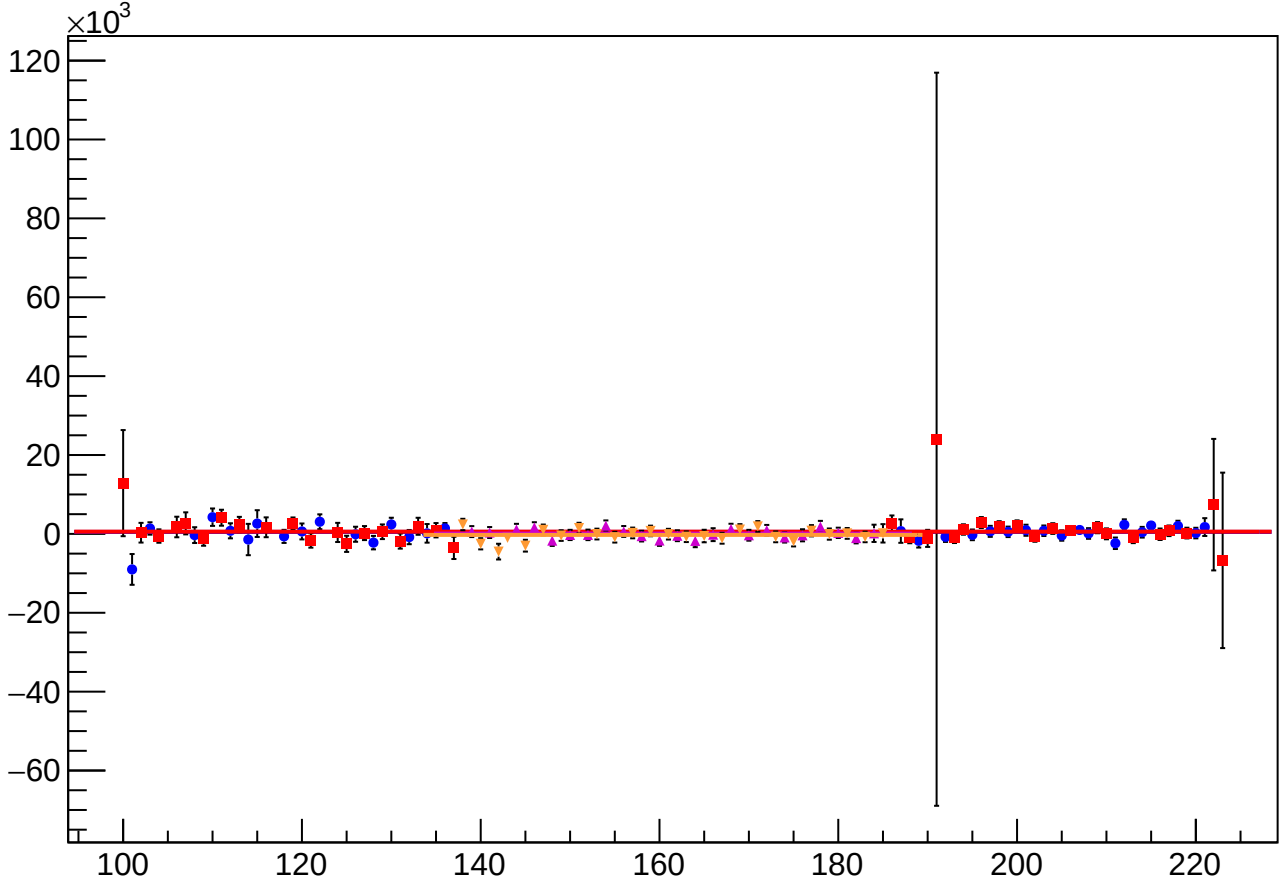
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 725.119+/-0.086 χ^2/NDF: 11699702.5/58

All: 722.361+/-0.061 χ^2/NDF: 24389696.9/12

- sign 719.601+/-0.086 χ^2/NDF: 12687953.7/61

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 496.945+/-275.122 χ^2/NDF: 29.8/33

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.892+/-277.157 χ^2/NDF: 29.6/38

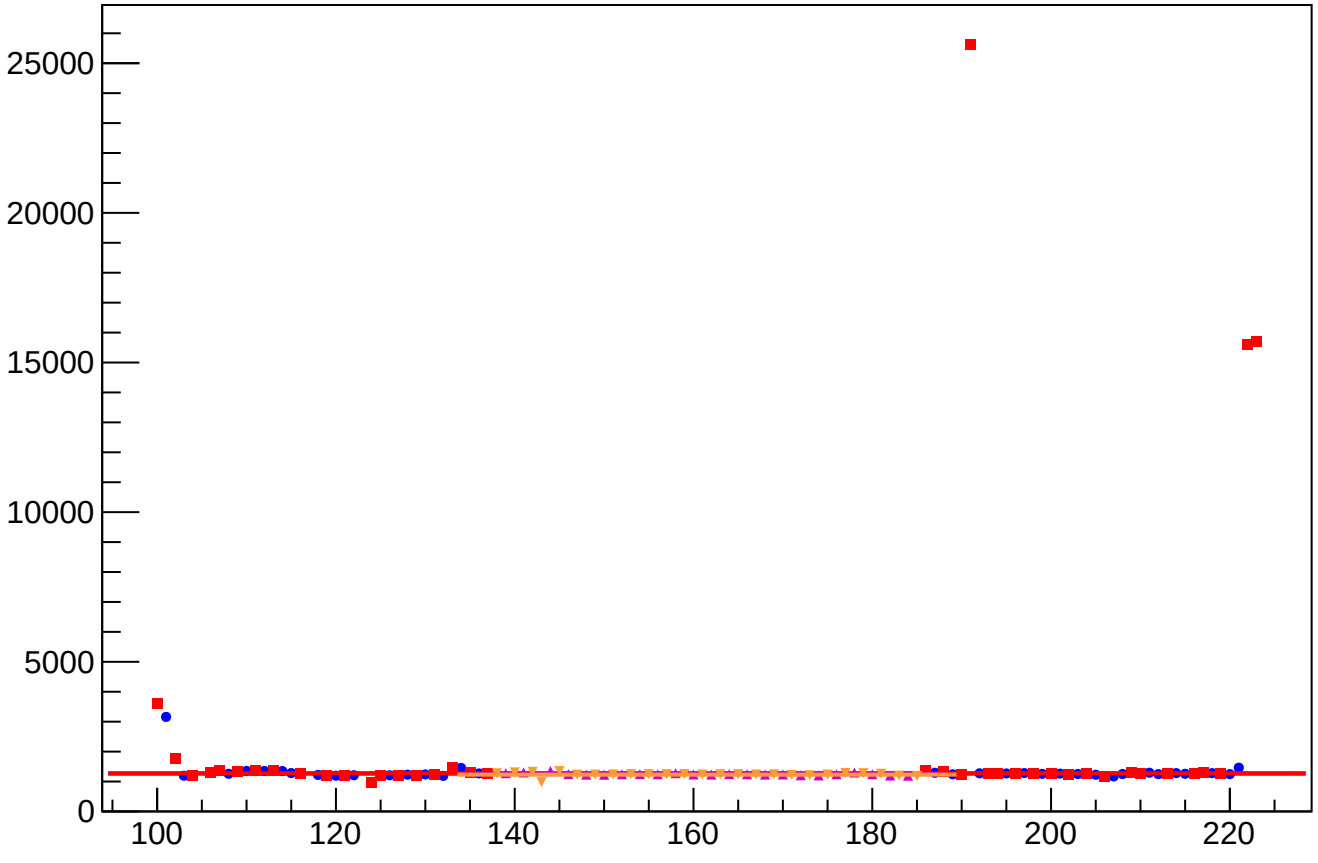
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 129.515+/-196.216 χ^2/NDF: 57.5/58

All: 229.265+/-140.354 χ^2/NDF: 103.1/120

- sign 333.778+/-200.845 χ^2/NDF: 45.1/61

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1266.710+/-0.195 χ^2/NDF: 541356.0/33

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

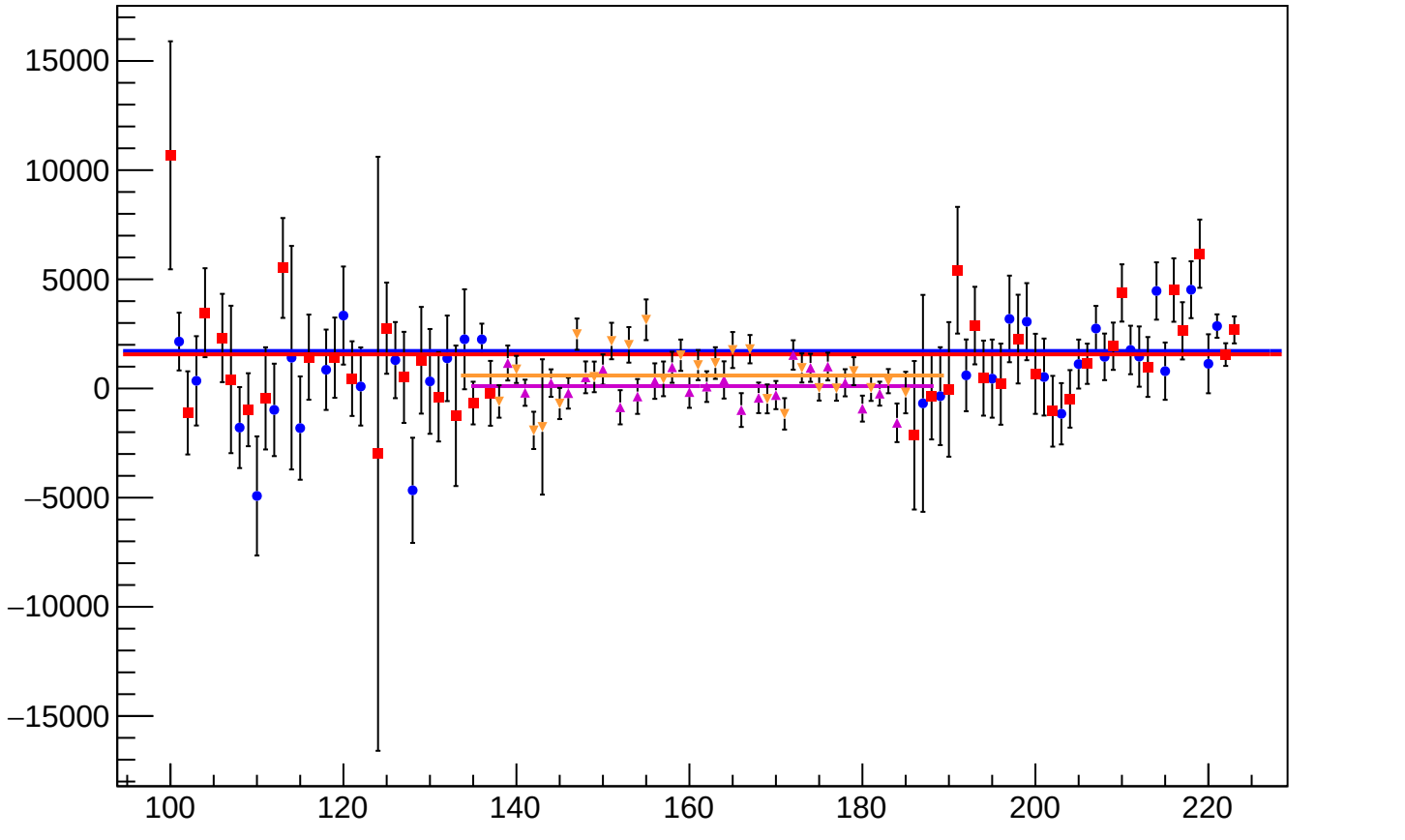
Right Out: 1275.327+/-0.196 χ^2/NDF: 2703162.3/38

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1248.666+/-0.139 χ^2/NDF: 700471.7/58

All: 1255.298+/-0.099 χ^2/NDF: 3445033.0/12

- sign 1262.248+/-0.142 χ^2/NDF: 2739881.3/61



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

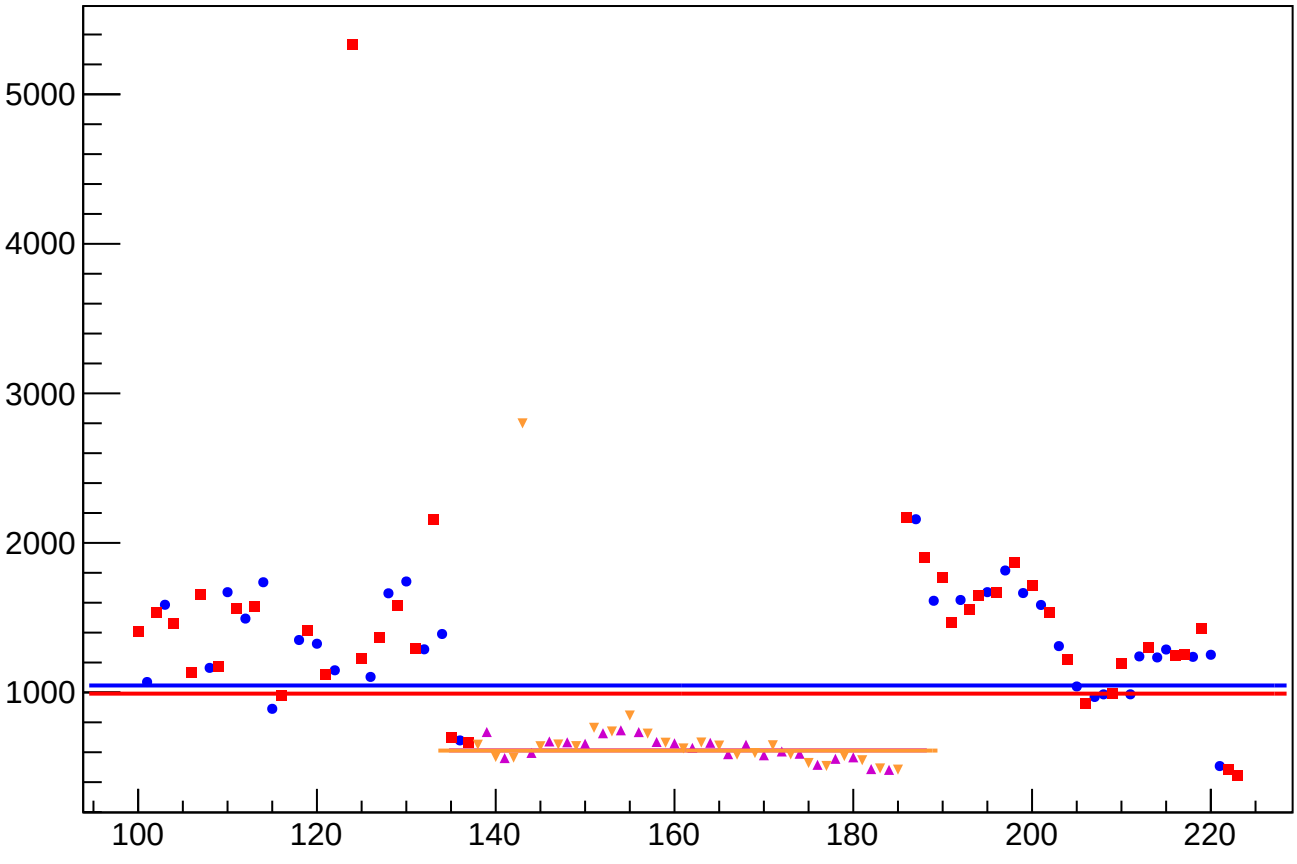
Right Out: 1564.728+/-229.885 χ^2/NDF: 54.6/38

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 889.330+/-122.108 χ^2/NDF: 120.6/58

All: 705.307+/-86.367 χ^2/NDF: 234.2/120

- sign 521.079+/-122.176 χ^2/NDF: 109.0/61



Right In: 1046.482+/-0.169 χ^2/NDF: 5164850.7/33

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 991.933+/-0.163 χ^2/NDF: 8267719.7/38

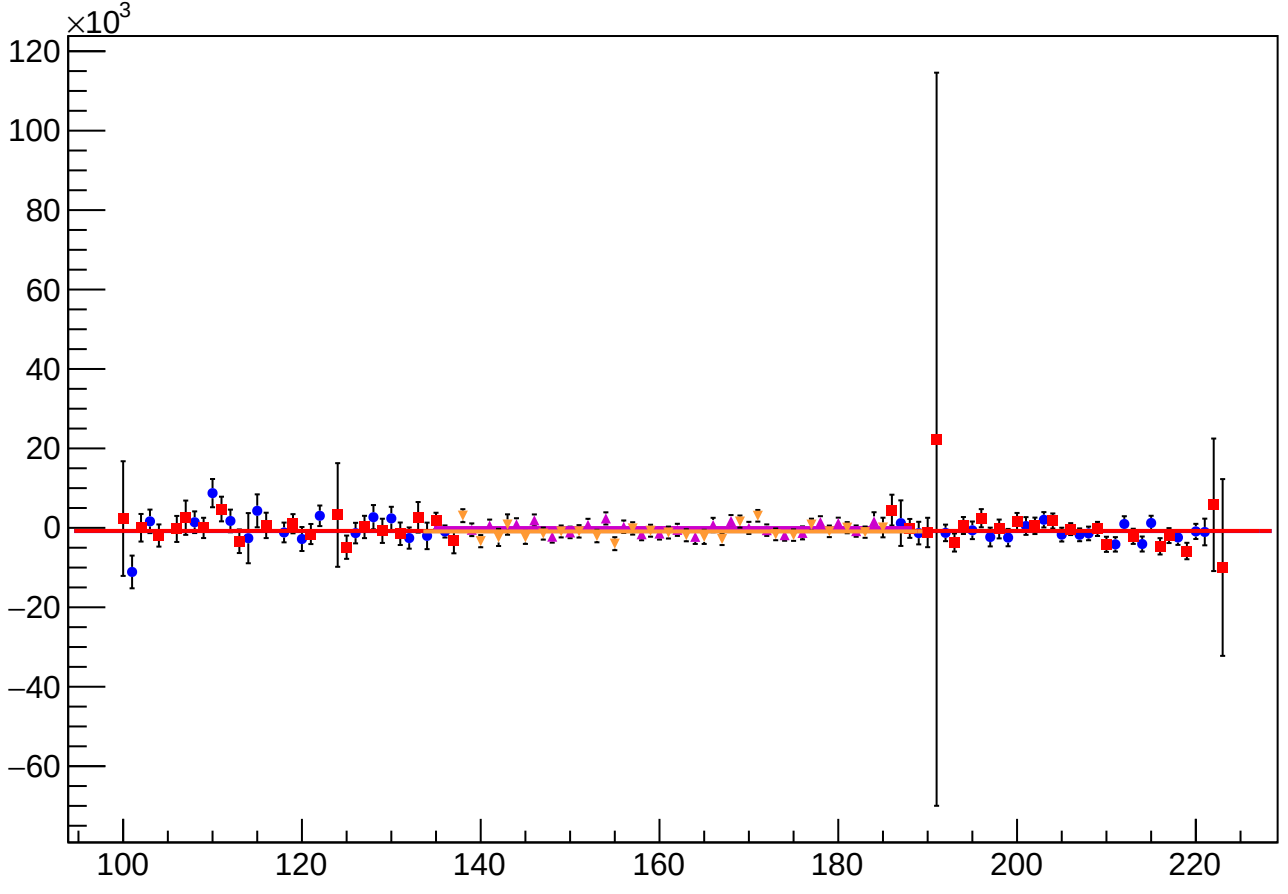
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 725.118+/-0.086 χ^2/NDF: 11699656.6/58

All: 722.361+/-0.061 χ^2/NDF: 24389669.0/12

- sign 719.600+/-0.086 χ^2/NDF: 12687971.5/61

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -809.503+/-397.239 χ^2/NDF: 36.5/33

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -770.343+/-410.900 χ^2/NDF: 34.2/38

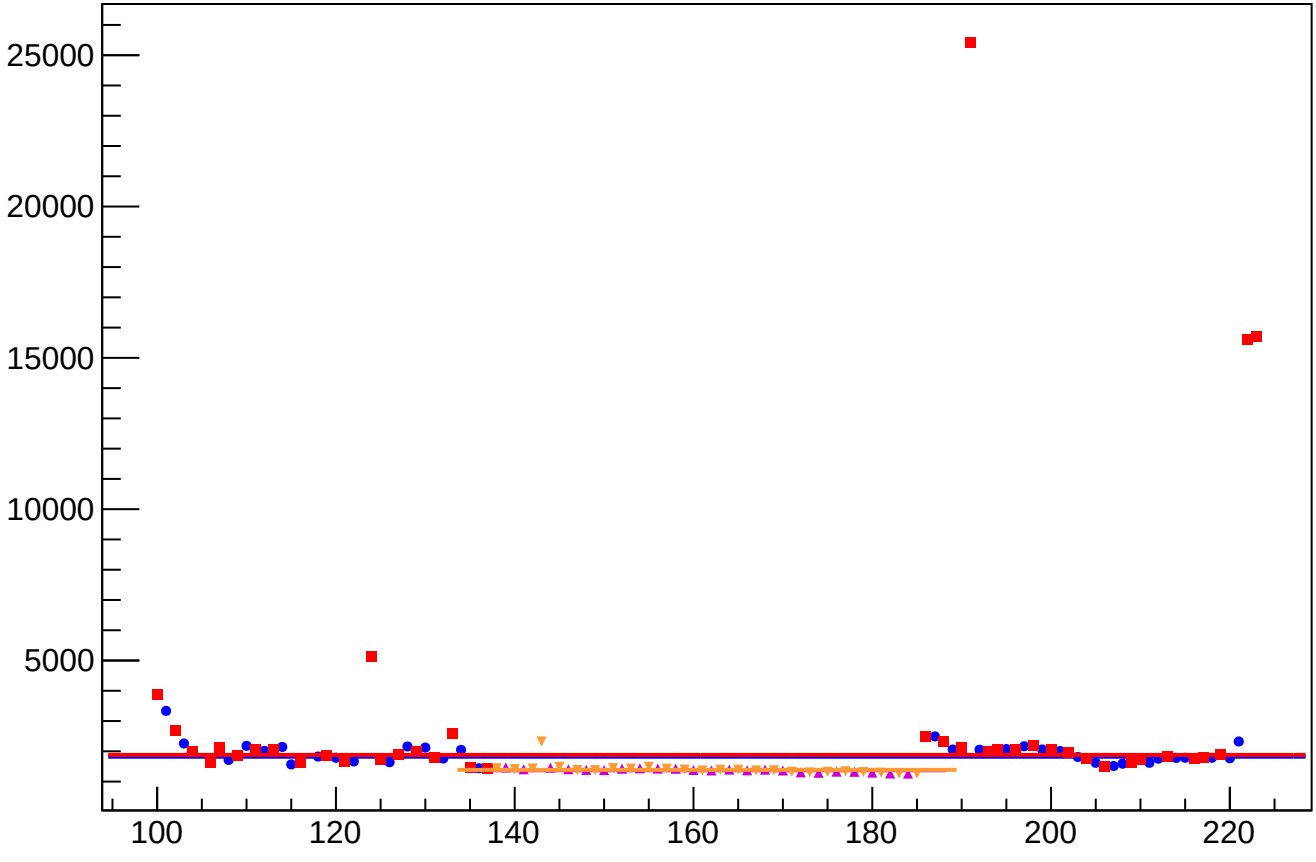
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -864.802+/-247.513 χ^2/NDF: 66.4/58

All: -599.173+/-176.901 χ^2/NDF: 122.7/120

- sign -321.799+/-252.926 χ^2/NDF: 54.0/61

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1821.130+/-0.281 χ^2/NDF: 940749.0/33

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

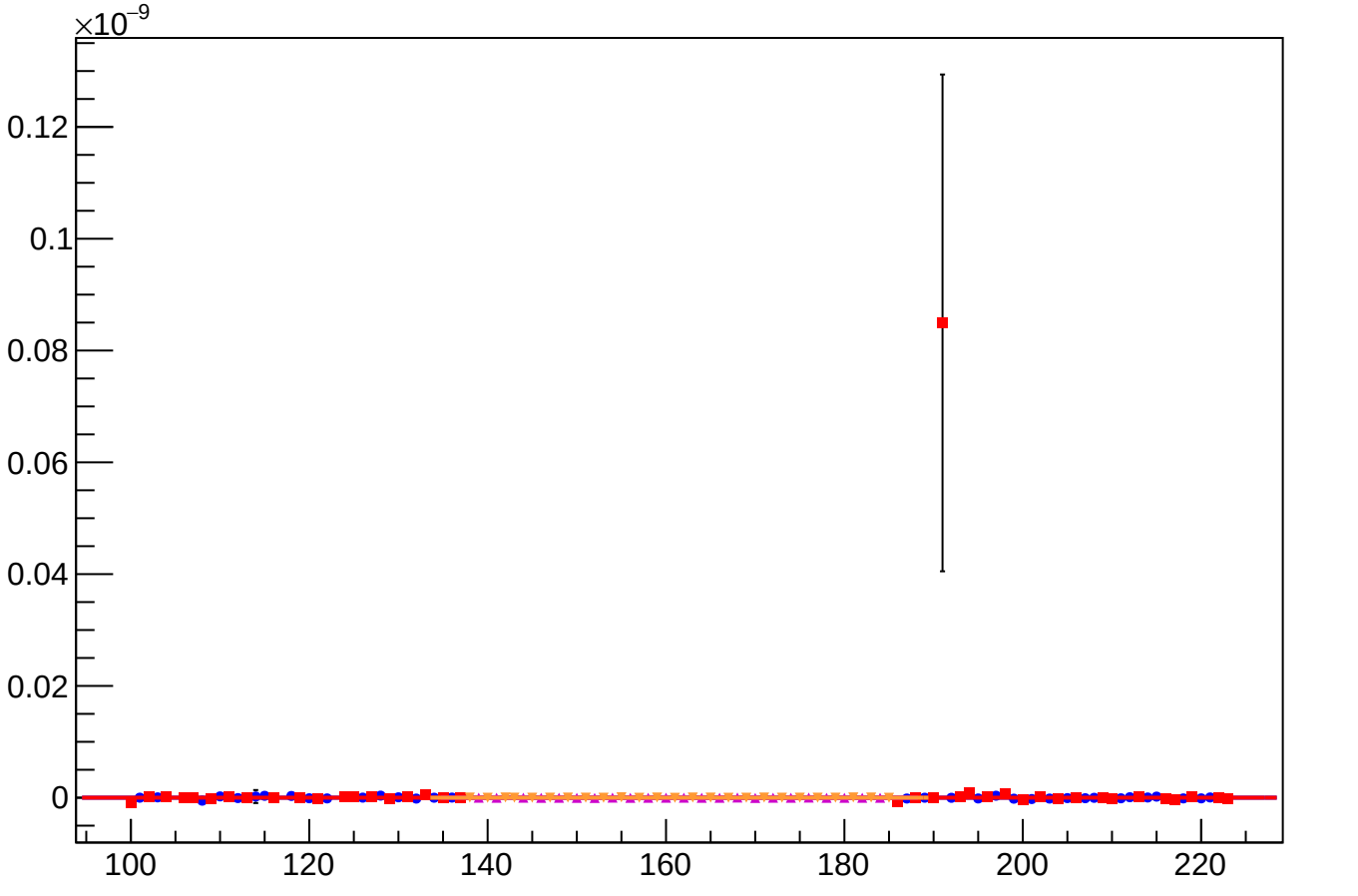
Right Out: 1881.133+/-0.291 χ^2/NDF: 3187204.0/38

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1555.448+/-0.175 χ^2/NDF: 2742937.1/58

All: 1560.445+/-0.125 χ^2/NDF: 7894349.9/12

- sign 1565.662+/-0.179 χ^2/NDF: 5149746.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

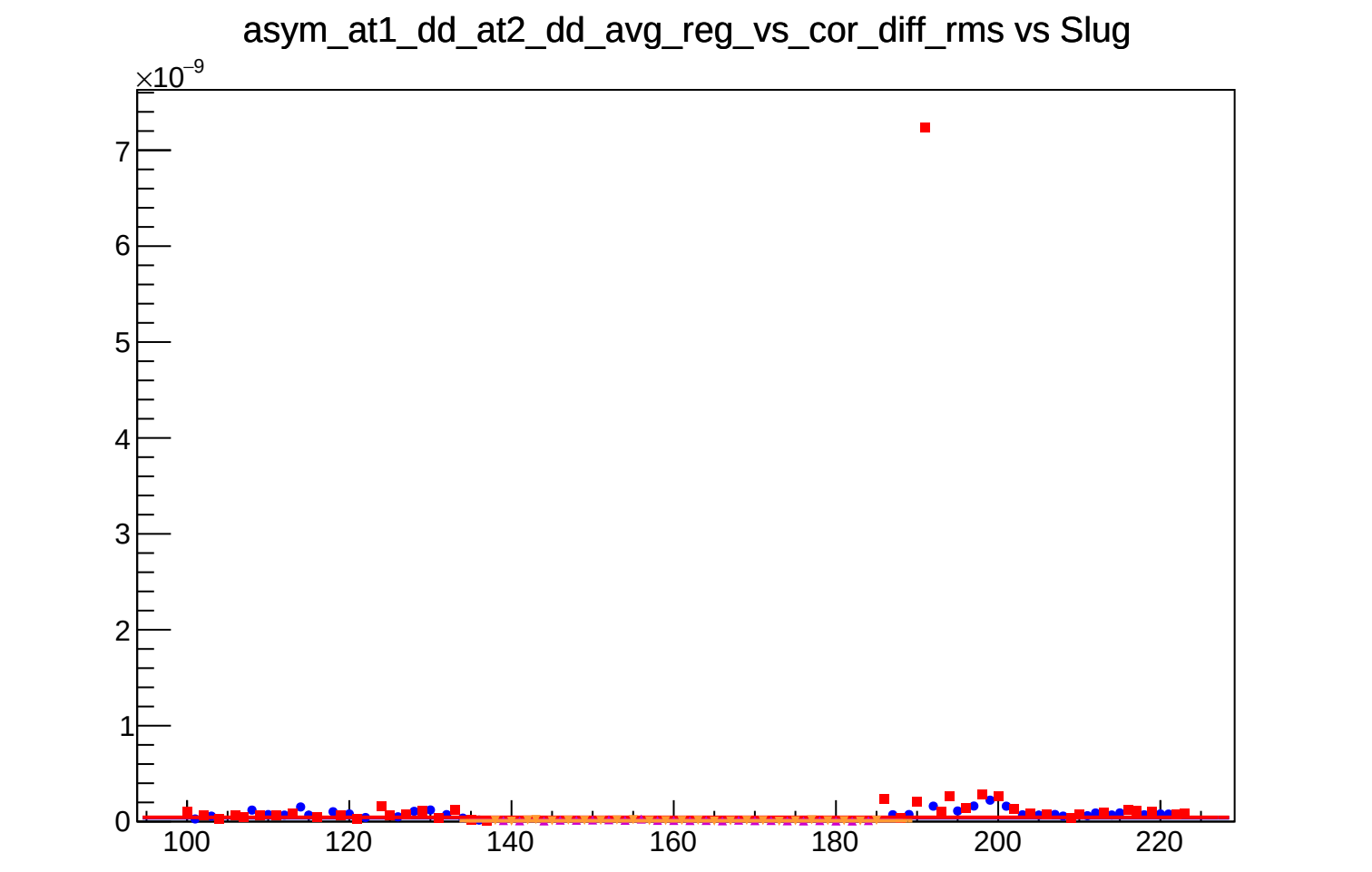
Right Out: 0.000+/-0.000 χ^2/NDF: 59.0/38

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/58

All: 0.000+/-0.000 χ^2/NDF: 127.3/120

- sign -0.000+/-0.000 χ^2/NDF: 72.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 7488737.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

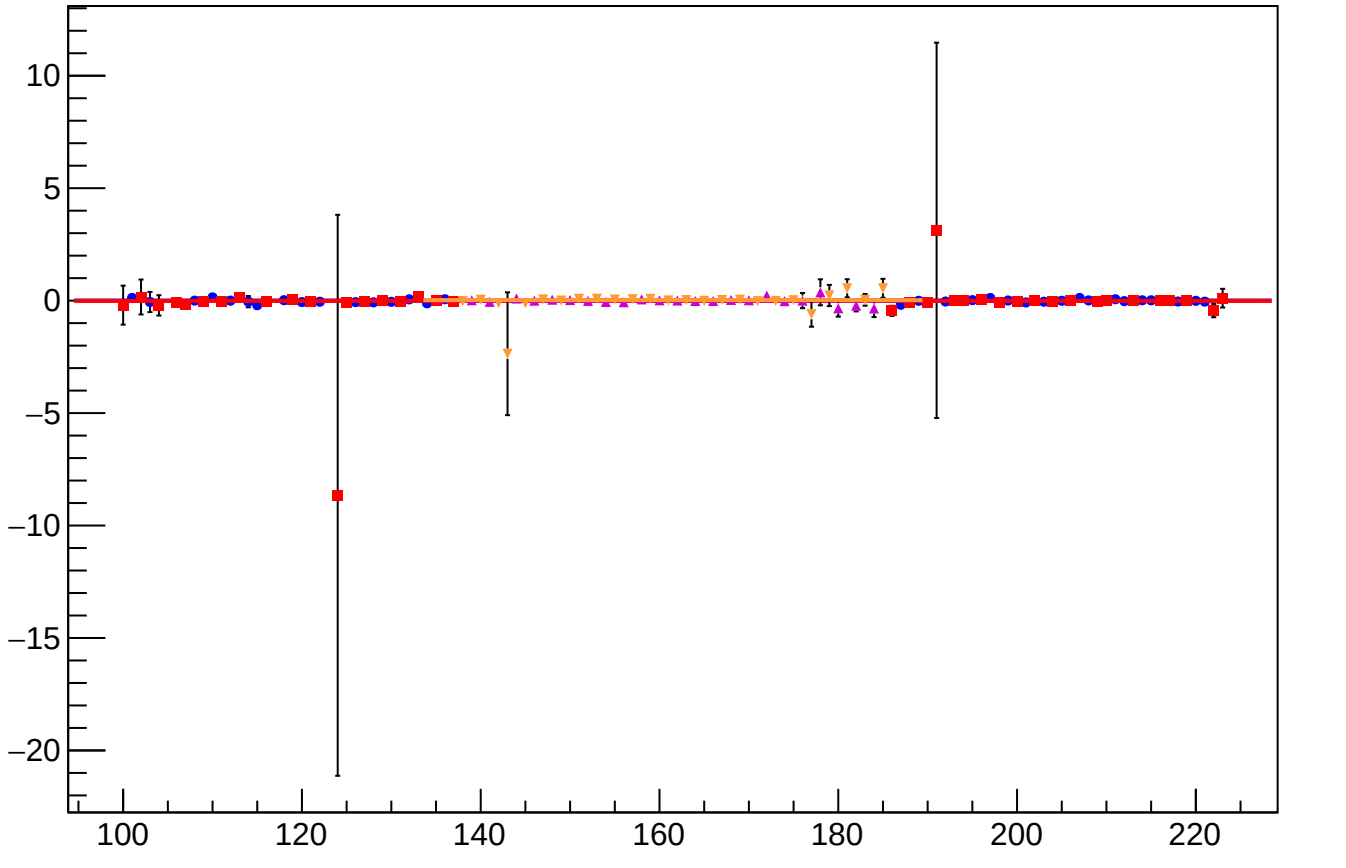
Right Out: 0.000+/-0.000 χ^2/NDF: 8056331.1/38

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16405468.8/58

All: 0.000+/-0.000 χ^2/NDF: 32333843.5/120

- sign 0.000+/-0.000 χ^2/NDF: 15645812.4/61



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 26.7/38

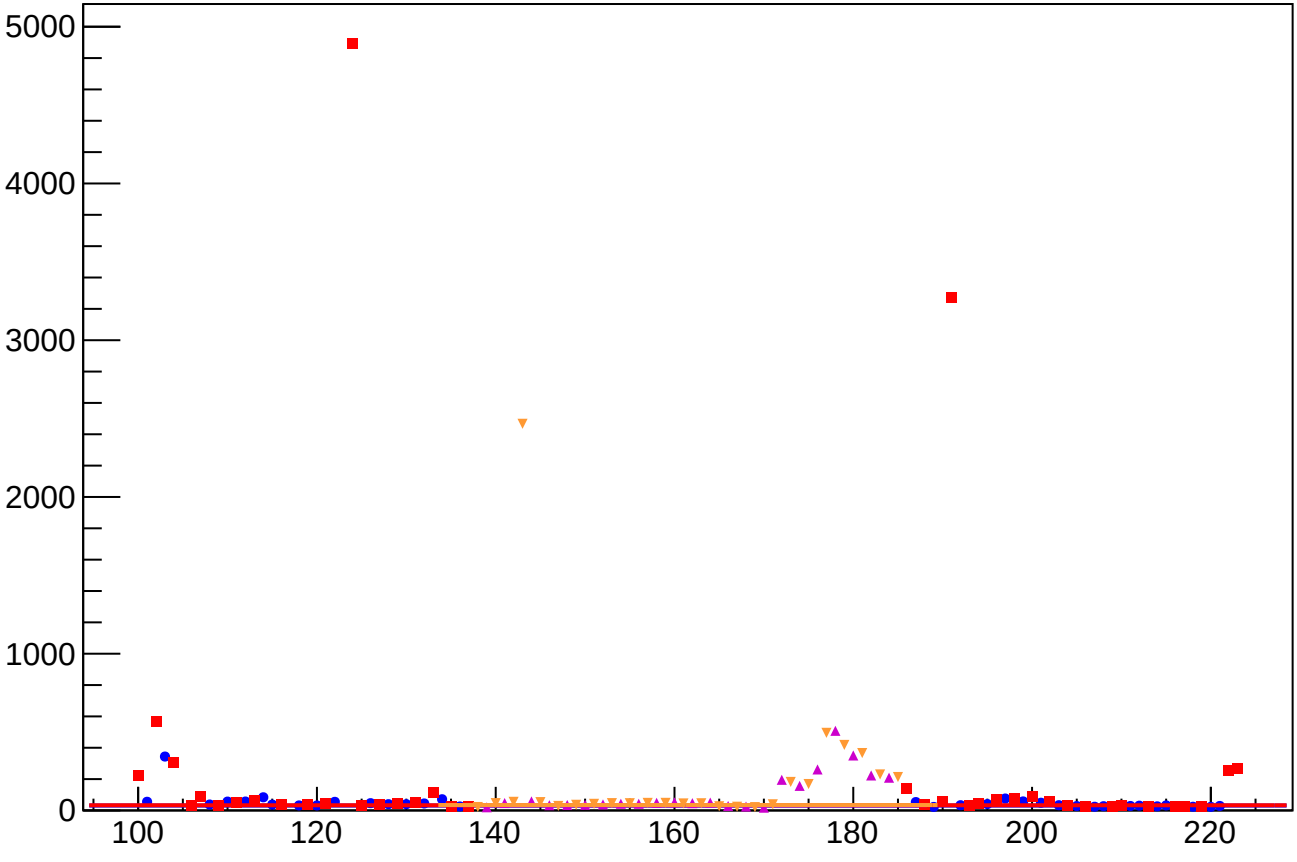
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.004+/-0.004 χ^2/NDF: 121.1/120

- sign -0.003+/-0.006 χ^2/NDF: 44.1/61

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

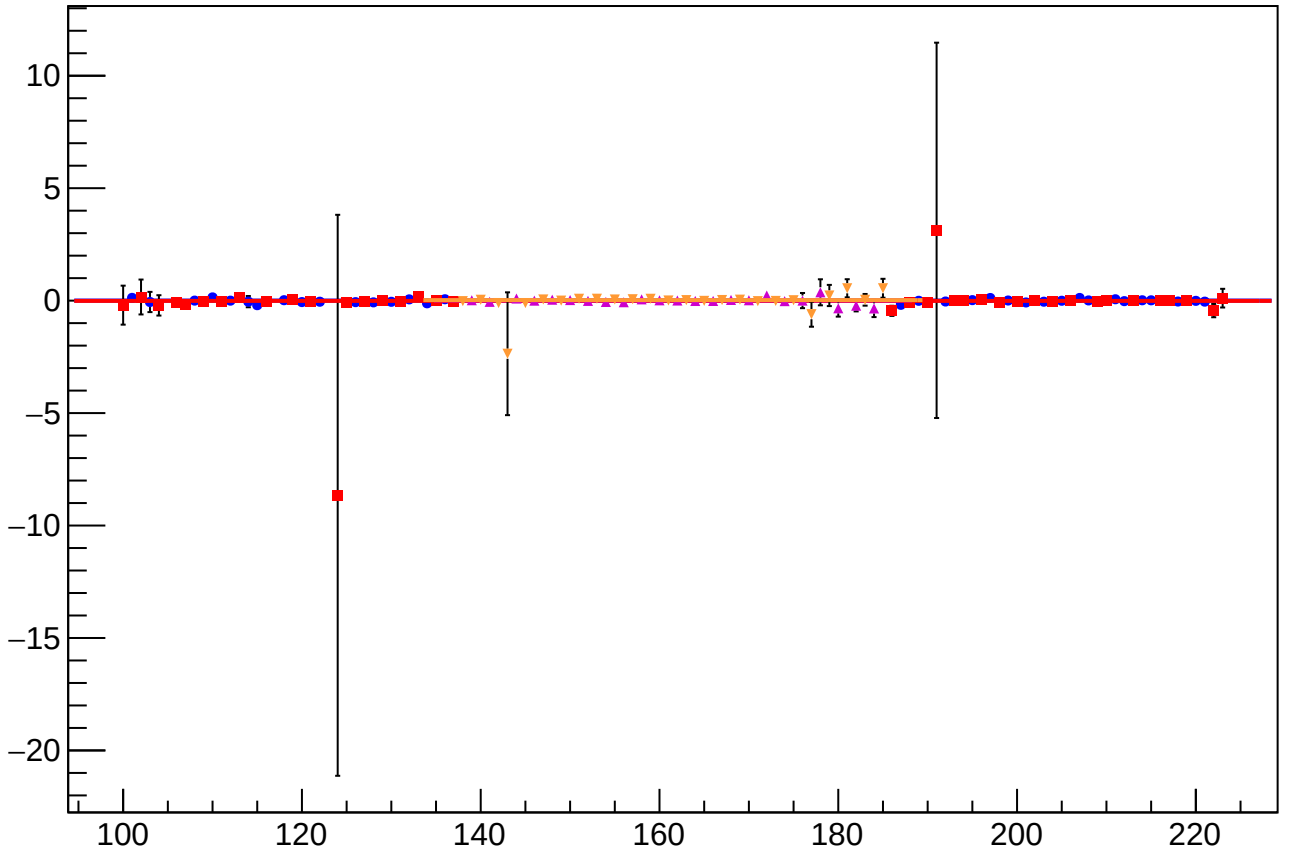
Right Out: 33.129+/-0.006 χ^2/NDF: 8631057.9/38

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.433+/-0.004 χ^2/NDF: 15727515.7/58

All: 32.859+/-0.003 χ^2/NDF: 34448509.4/120

- sign 33.324+/-0.005 χ^2/NDF: 18701046.1/61



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

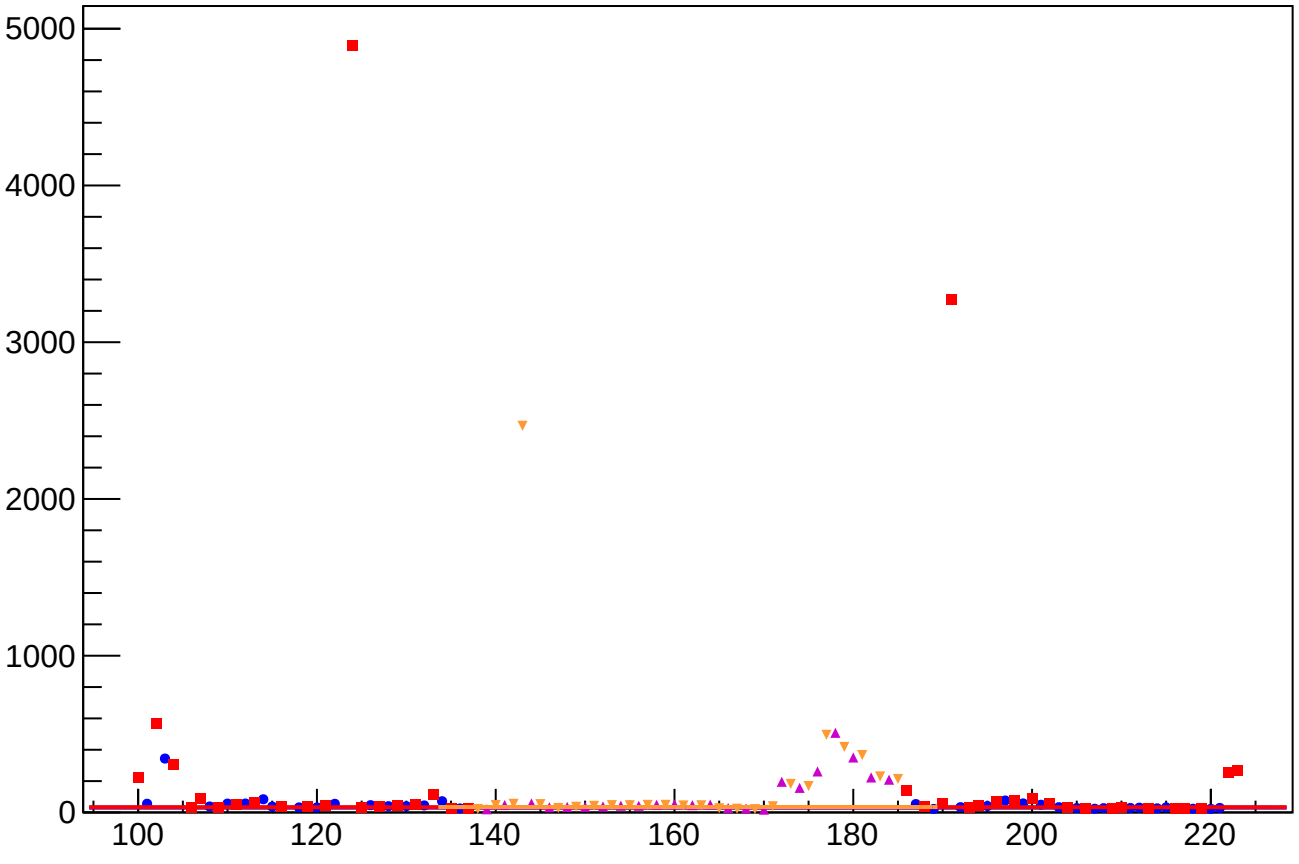
Right Out: -0.011+/-0.008 χ^2/NDF: 26.7/38

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.004+/-0.004 χ^2/NDF: 121.1/120

- sign -0.003+/-0.006 χ^2/NDF: 44.1/61



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

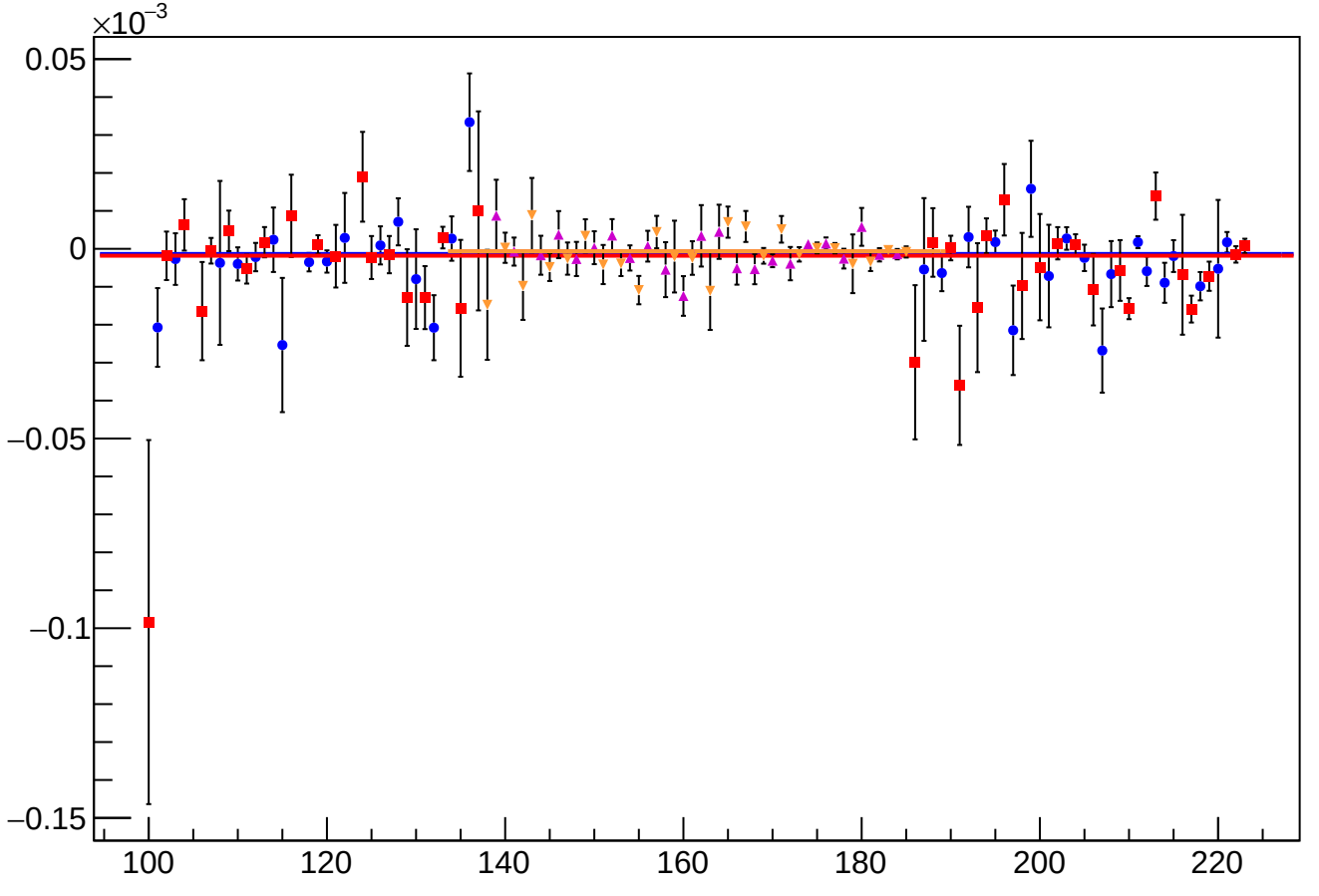
Right Out: 33.129+/-0.006 χ^2/NDF: 8631057.9/38

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.433+/-0.004 χ^2/NDF: 15727515.7/58

All: 32.859+/-0.003 χ^2/NDF: 34448509.4/120

- sign 33.324+/-0.005 χ^2/NDF: 18701046.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

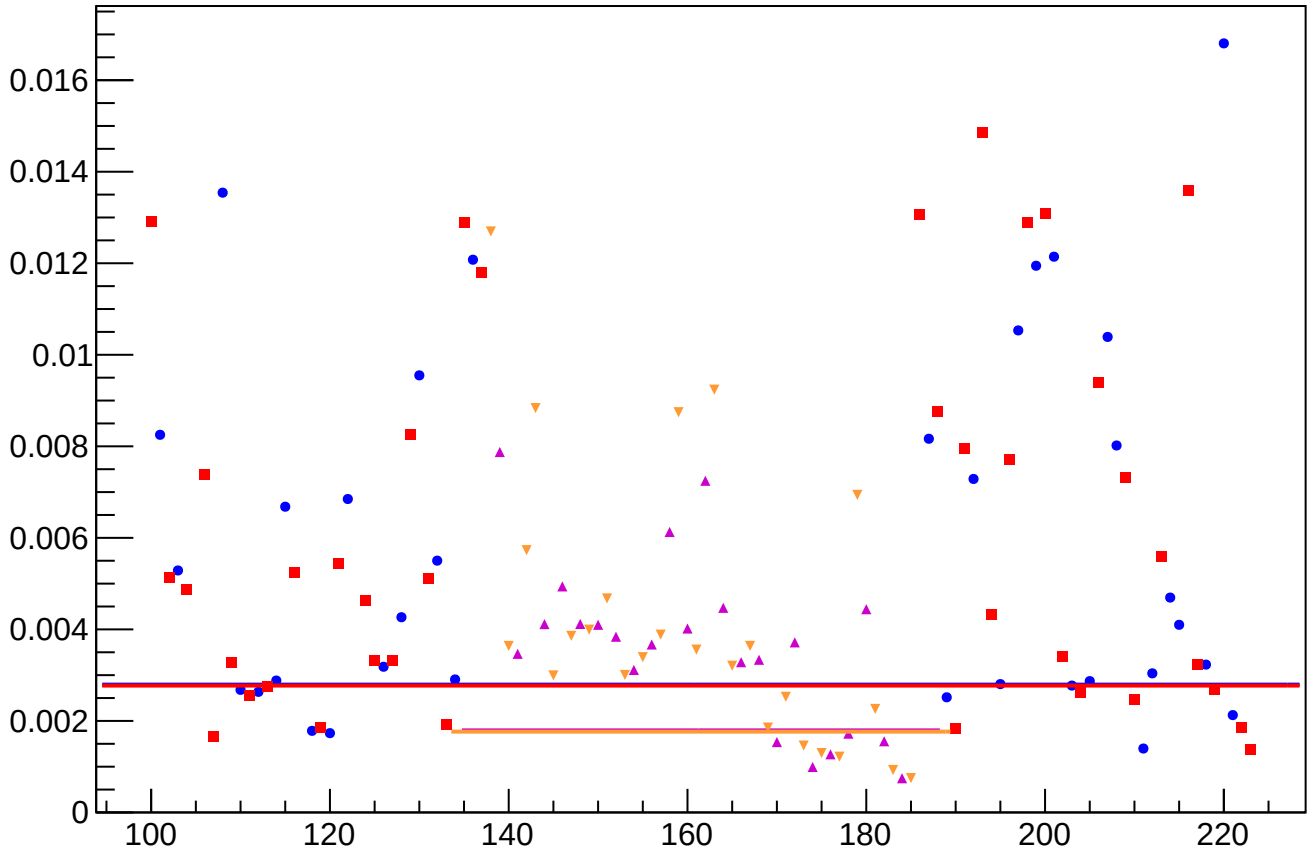
Right Out: -0.000+/-0.000 χ^2/NDF: 87.8/38

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/58

All: -0.000+/-0.000 χ^2/NDF: 192.1/120

- sign -0.000+/-0.000 χ^2/NDF: 111.4/61



Right In: 0.003+/-0.000 χ^2/NDF: 12866926.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

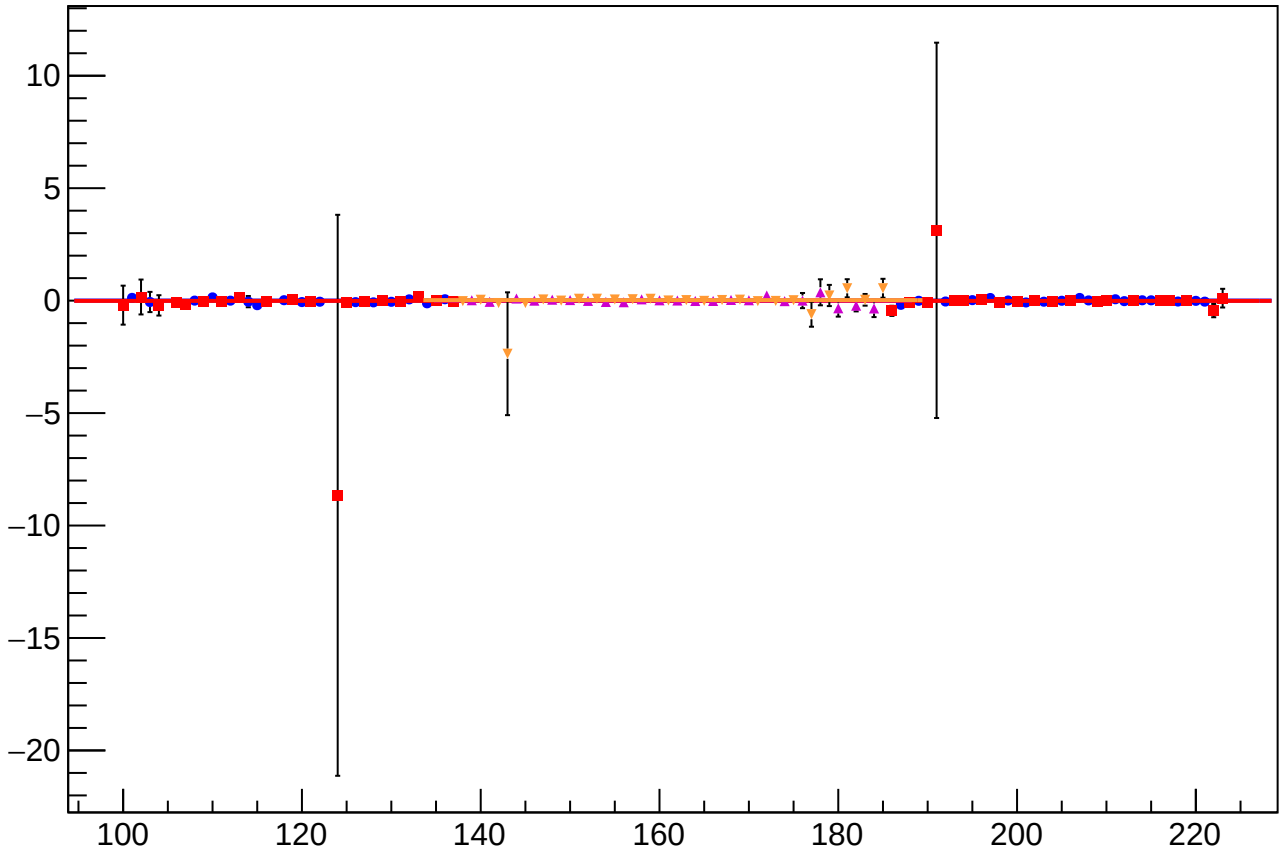
Right Out: 0.003+/-0.000 χ^2/NDF: 13543711.9/38

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 28334208.2/58

All: 0.002+/-0.000 χ^2/NDF: 55000886.5/120

- sign 0.002+/-0.000 χ^2/NDF: 26649419.7/61



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

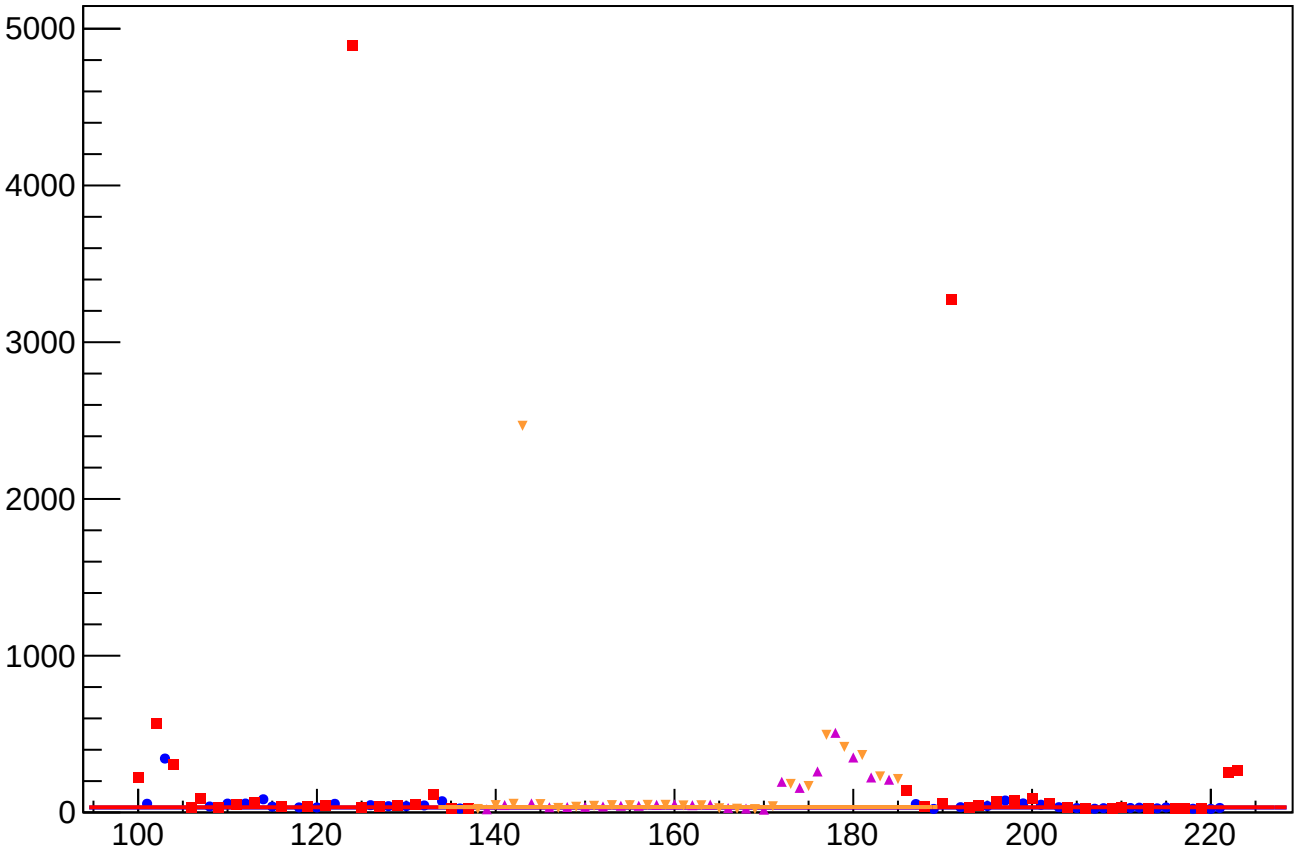
Right Out: -0.011+/-0.008 χ^2/NDF: 26.7/38

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.004+/-0.004 χ^2/NDF: 121.1/120

- sign -0.003+/-0.006 χ^2/NDF: 44.1/61



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

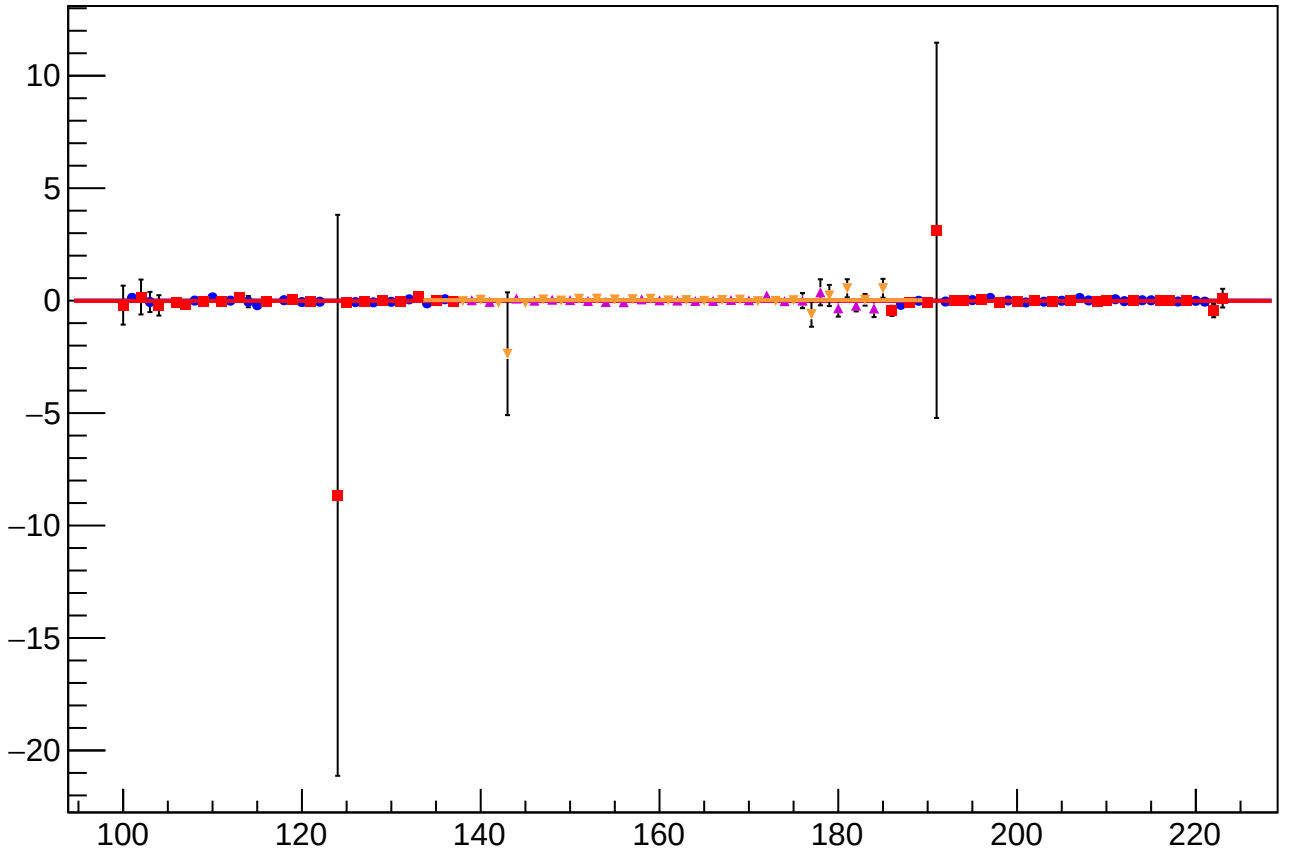
Right Out: 33.129+/-0.006 χ^2/NDF: 8630991.2/38

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.434+/-0.004 χ^2/NDF: 15726195.2/58

All: 32.860+/-0.003 χ^2/NDF: 34445866.6/120

- sign 33.325+/-0.005 χ^2/NDF: 18699731.3/61



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 26.7/38

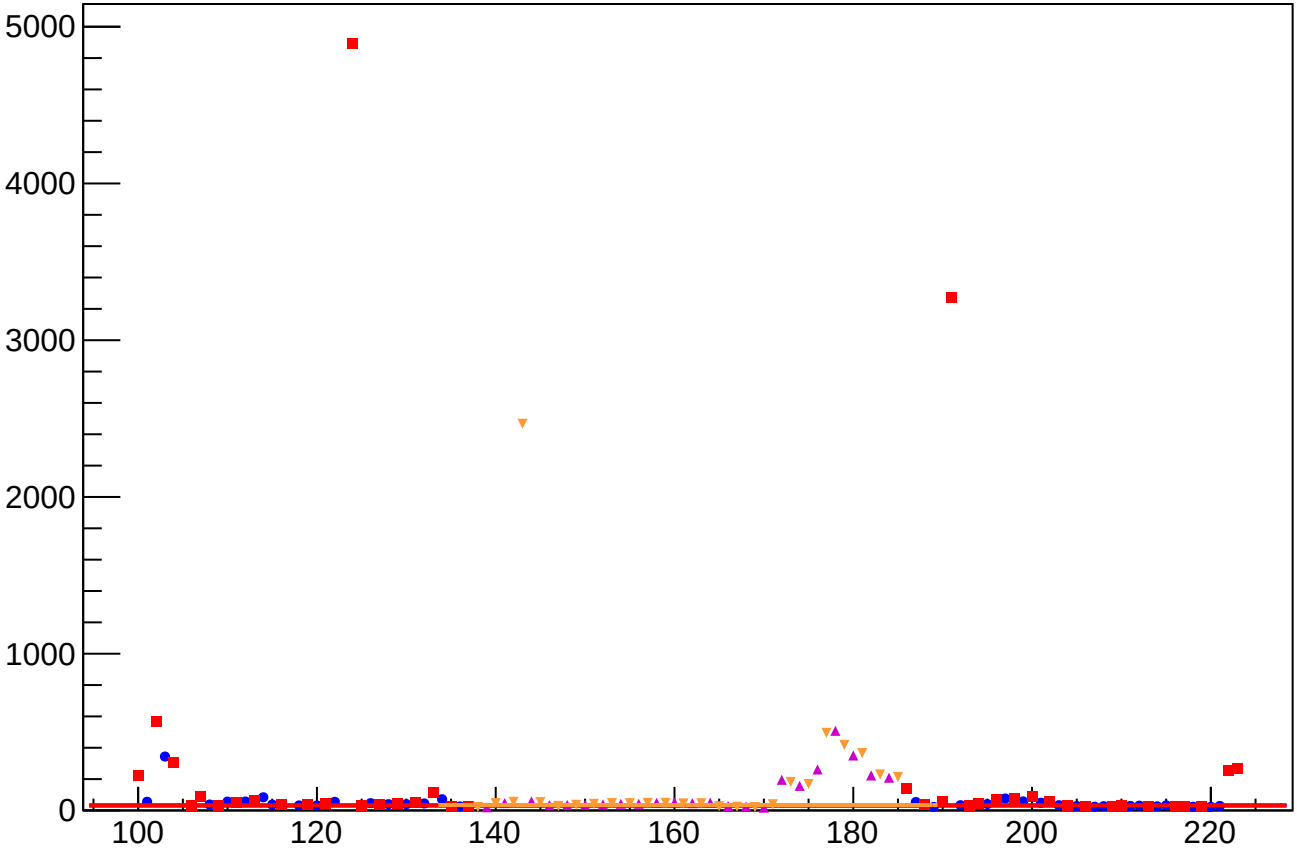
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.004+/-0.004 χ^2/NDF: 121.1/120

- sign -0.003+/-0.006 χ^2/NDF: 44.1/61

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

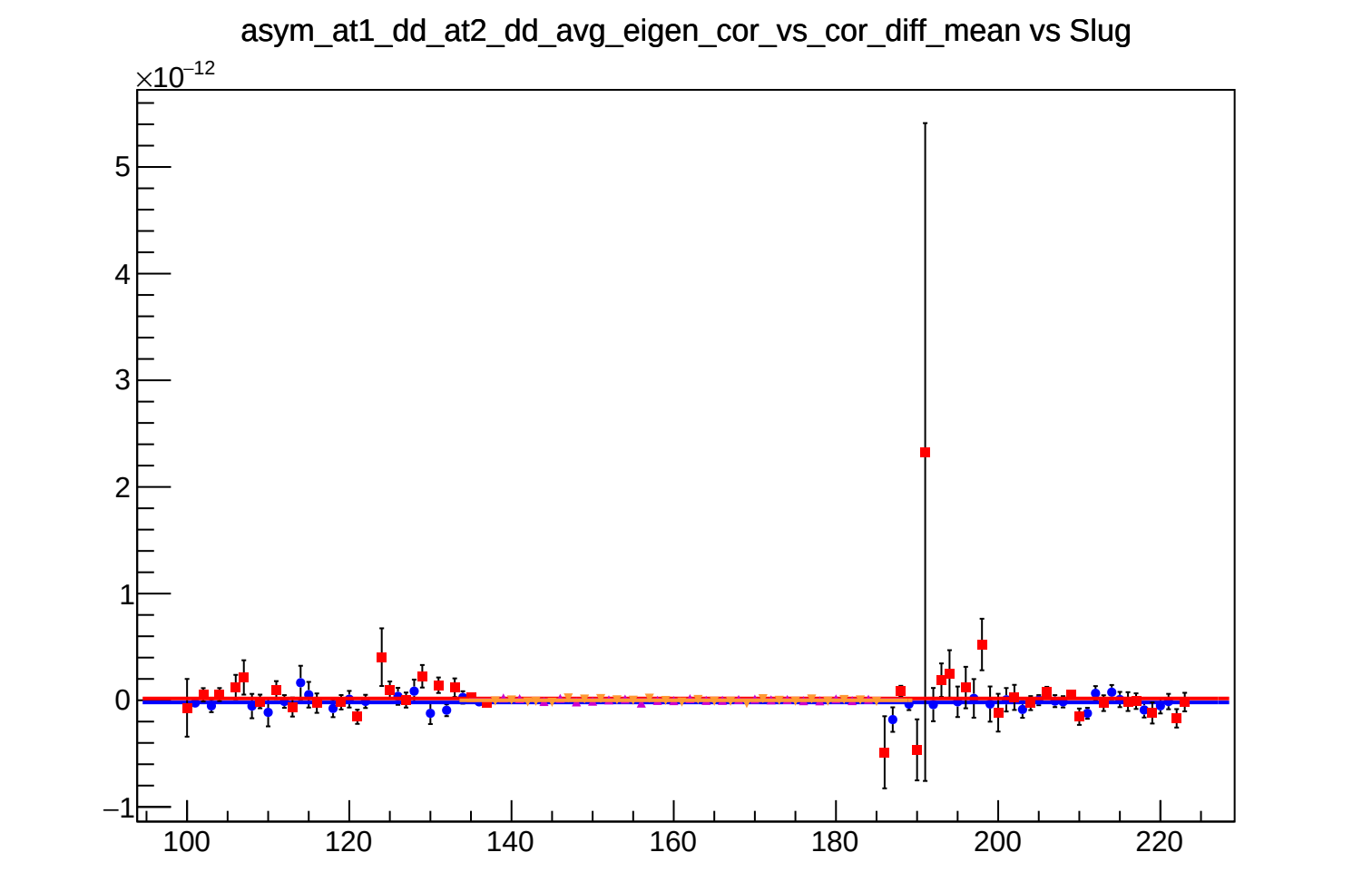
Right Out: 33.129+/-0.006 χ^2/NDF: 8630991.2/38

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.434+/-0.004 χ^2/NDF: 15726195.2/58

All: 32.860+/-0.003 χ^2/NDF: 34445866.6/120

- sign 33.325+/-0.005 χ^2/NDF: 18699731.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

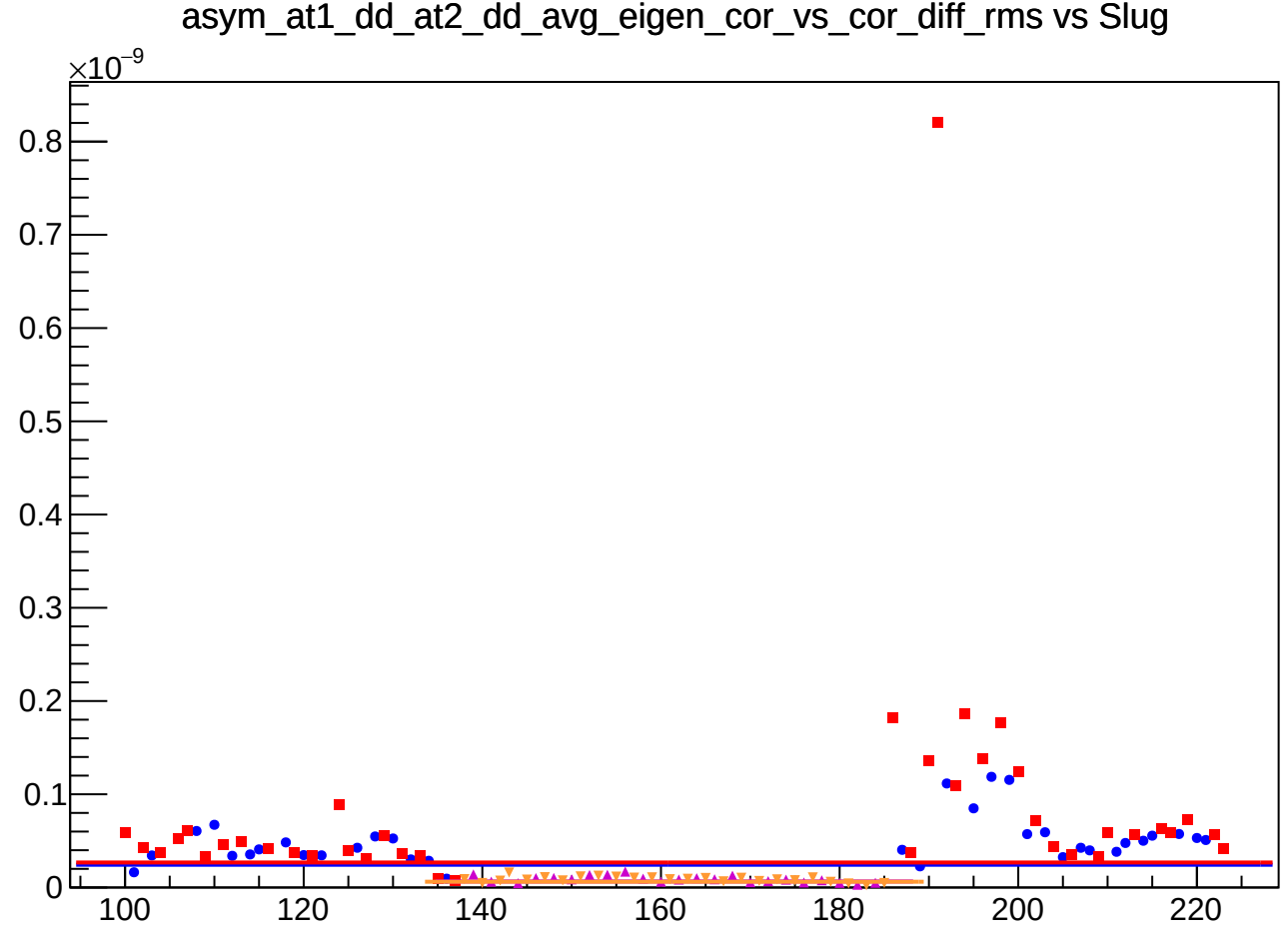
Right Out: 0.000+/-0.000 χ^2/NDF: 57.7/38

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/58

All: 0.000+/-0.000 χ^2/NDF: 133.7/120

- sign 0.000+/-0.000 χ^2/NDF: 79.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 9608803.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12011228.1/38

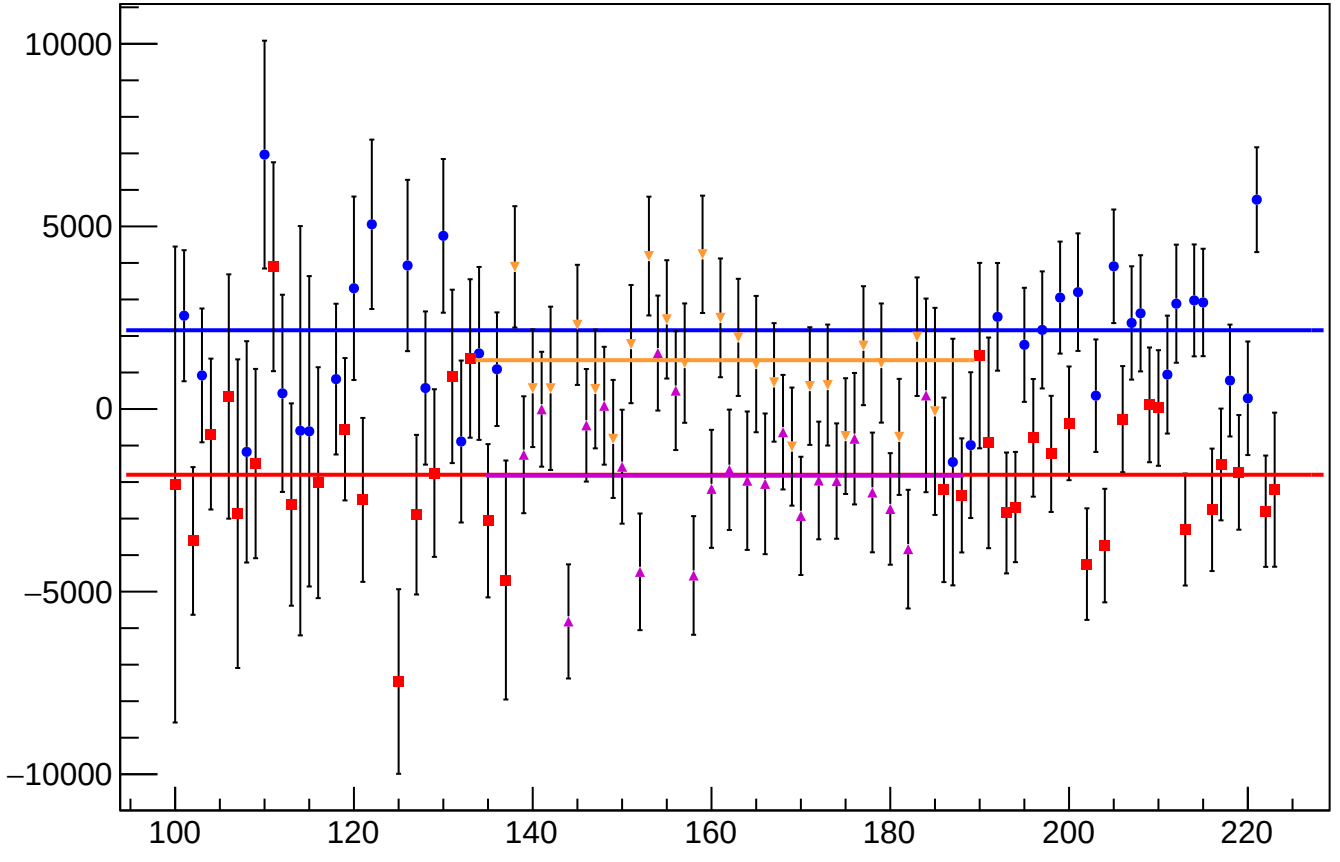
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 23302638.8/58

All: 0.000+/-0.000 χ^2/NDF: 48125476.2/120

- sign 0.000+/-0.000 χ^2/NDF: 24801729.4/61

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2156.753+/-314.853 χ^2/NDF: 29.4/33

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1799.686+/-314.556 χ^2/NDF: 29.8/37

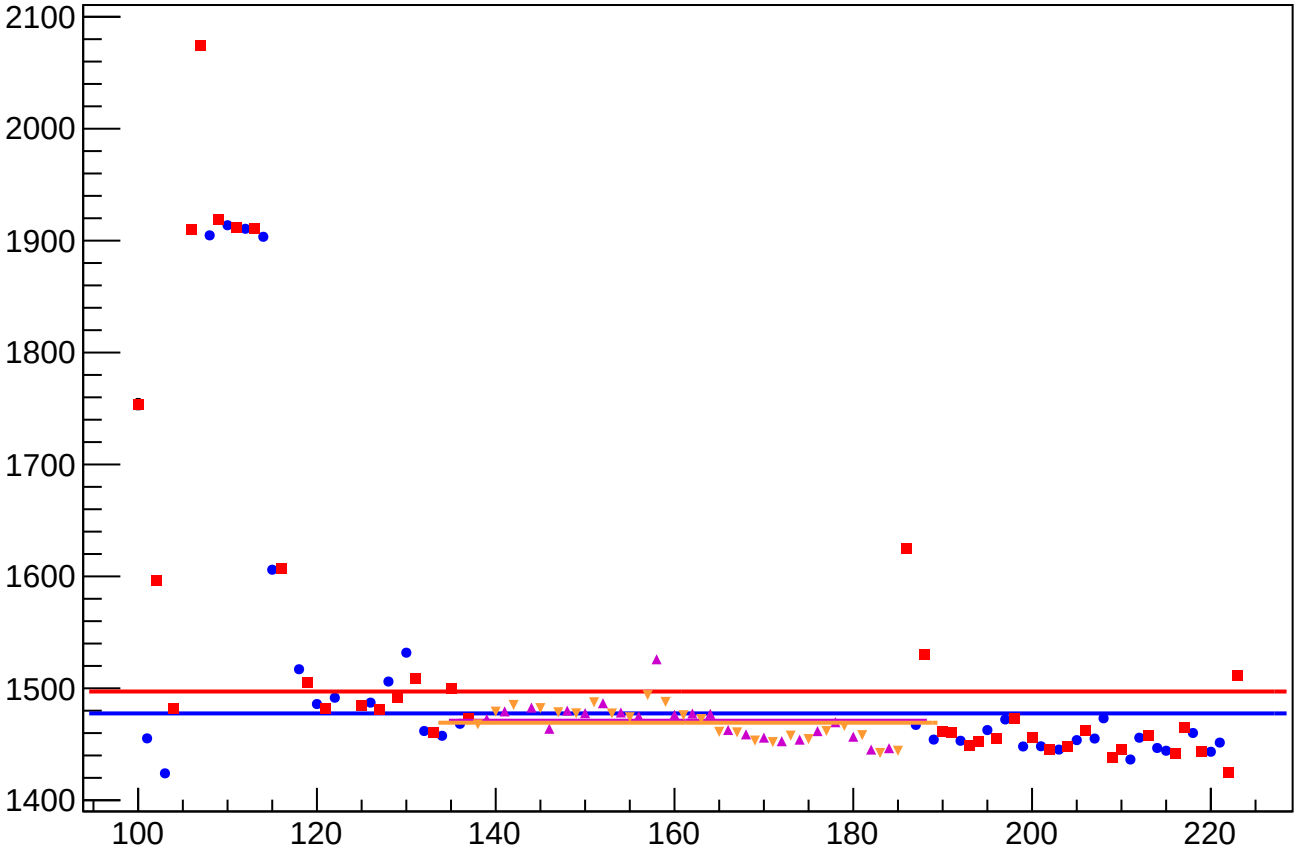
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1779.525+/-231.330 χ^2/NDF: 51.7/57

All: -11.197+/-163.804 χ^2/NDF: 228.2/118

- sign -1811.961+/-231.978 χ^2/NDF: 56.3/60

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1477.578+/-0.223 χ^2/NDF: 158191.2/33

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

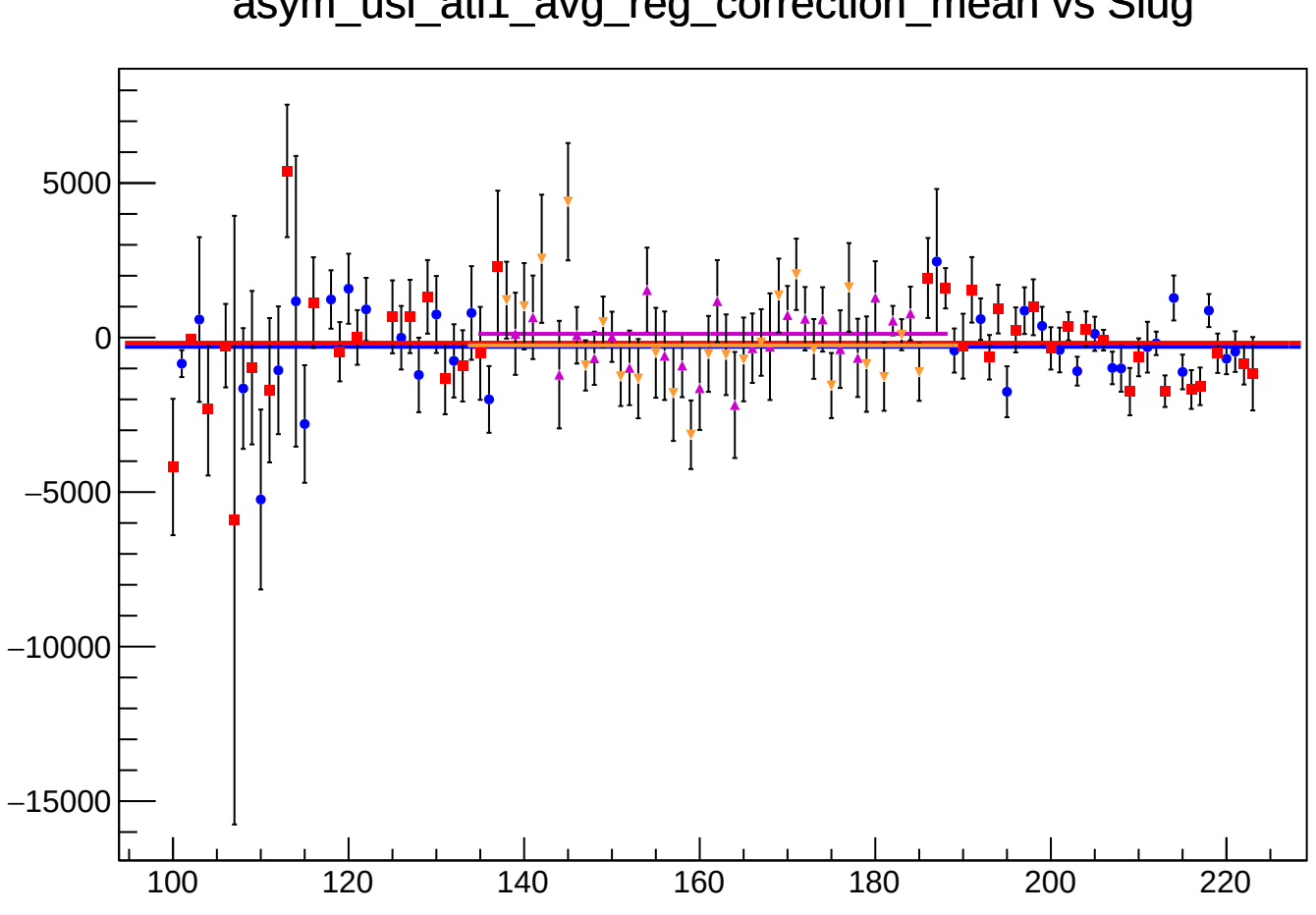
Right Out: 1497.144+/-0.222 χ^2/NDF: 254033.5/37

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1473.753+/-0.164 χ^2/NDF: 161987.9/57

All: 1479.482+/-0.116 χ^2/NDF: 429399.5/118

- sign 1485.243+/-0.164 χ^2/NDF: 264951.5/60



Right In: -298.606+/-126.874 χ^2/NDF: 46.6/33

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -166.477+/-95.168 χ^2/NDF: 64.8/37

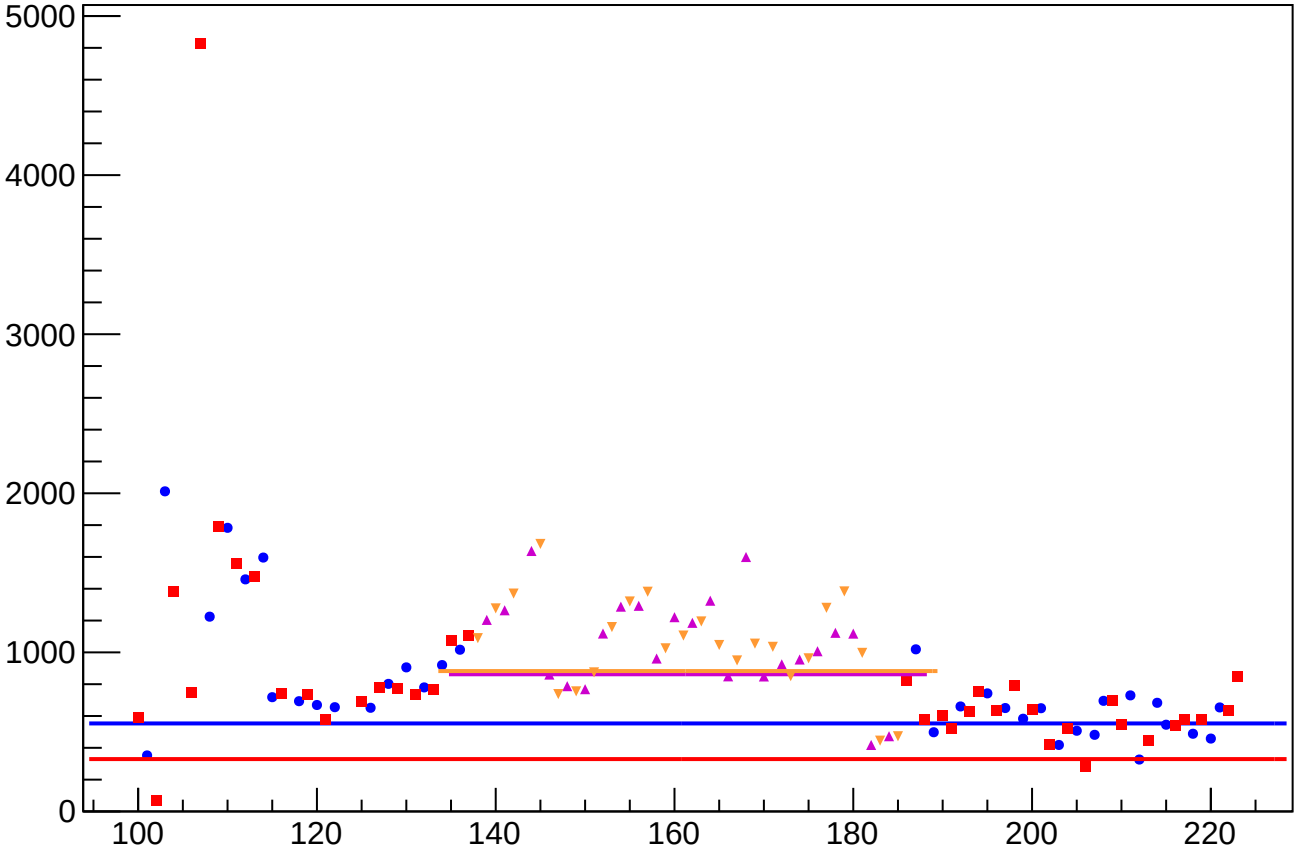
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -286.745+/-109.702 χ^2/NDF: 79.3/57

All: -184.417+/-68.208 χ^2/NDF: 159.9/118

- sign -119.930+/-87.088 χ^2/NDF: 79.1/60

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 553.286+/-0.090 χ^2/NDF: 4650768.6/33

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 329.222+/-0.067 χ^2/NDF: 18505710.6/37

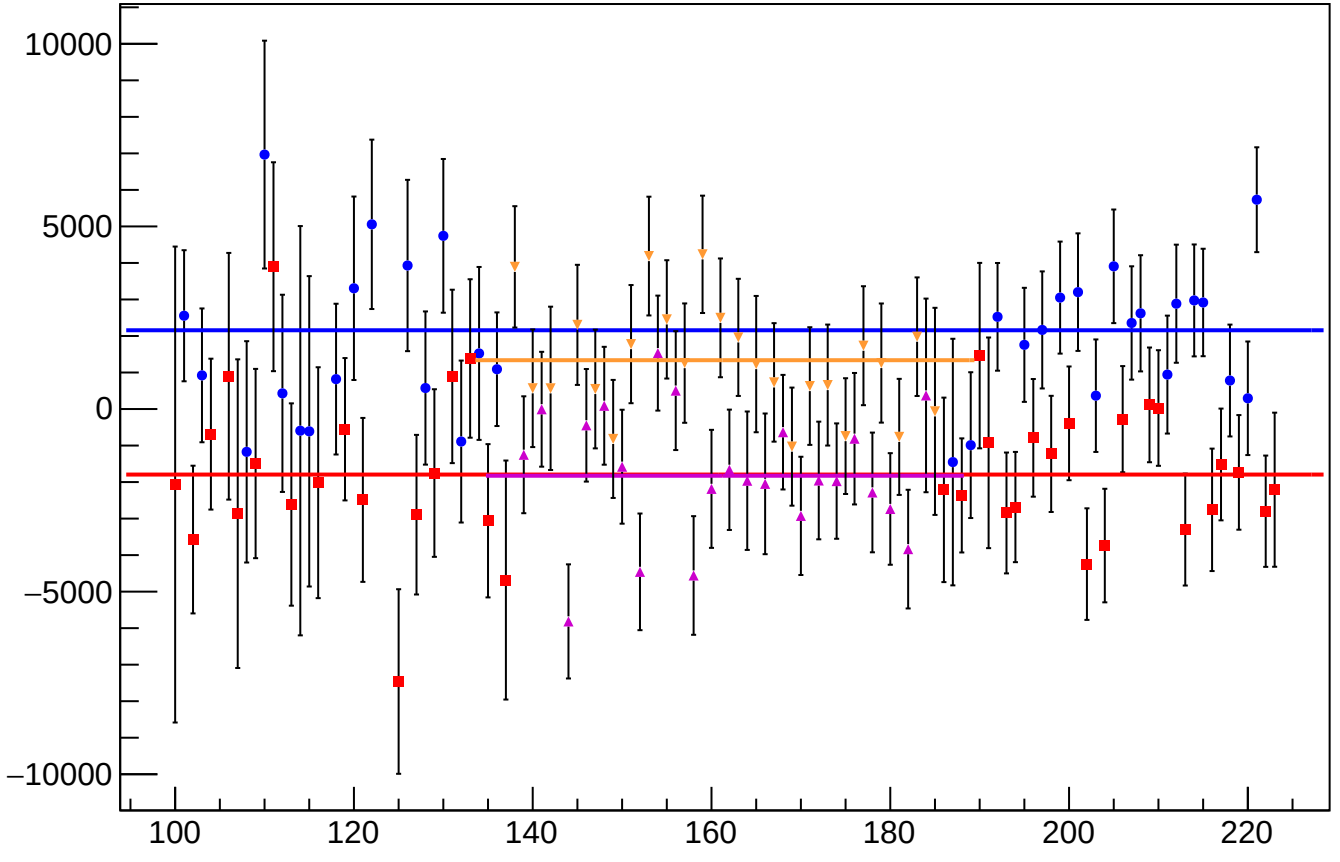
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 636.354+/-0.078 χ^2/NDF: 11949095.0/57

All: 501.121+/-0.048 χ^2/NDF: 49982011.0/11

- sign 415.897+/-0.062 χ^2/NDF: 33078350.8/60

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2156.808+/-314.853 χ^2/NDF: 29.4/33

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1794.310+/-314.583 χ^2/NDF: 30.0/37

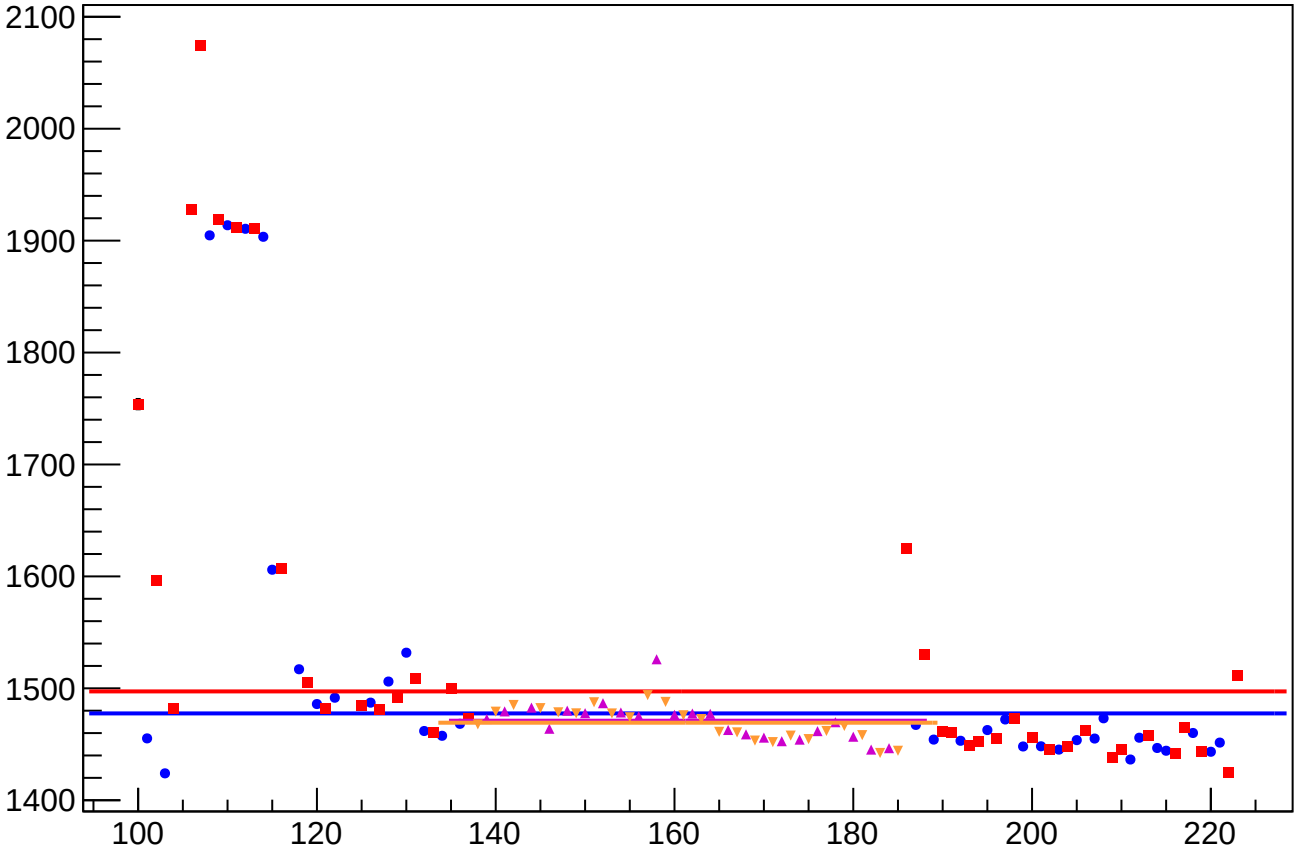
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1779.560+/-231.330 χ^2/NDF: 51.7/57

All: -9.648+/-163.808 χ^2/NDF: 228.2/118

- sign -1809.060+/-231.989 χ^2/NDF: 56.5/60

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1477.578+/-0.223 χ^2/NDF: 158191.2/33

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1497.237+/-0.222 χ^2/NDF: 256183.8/37

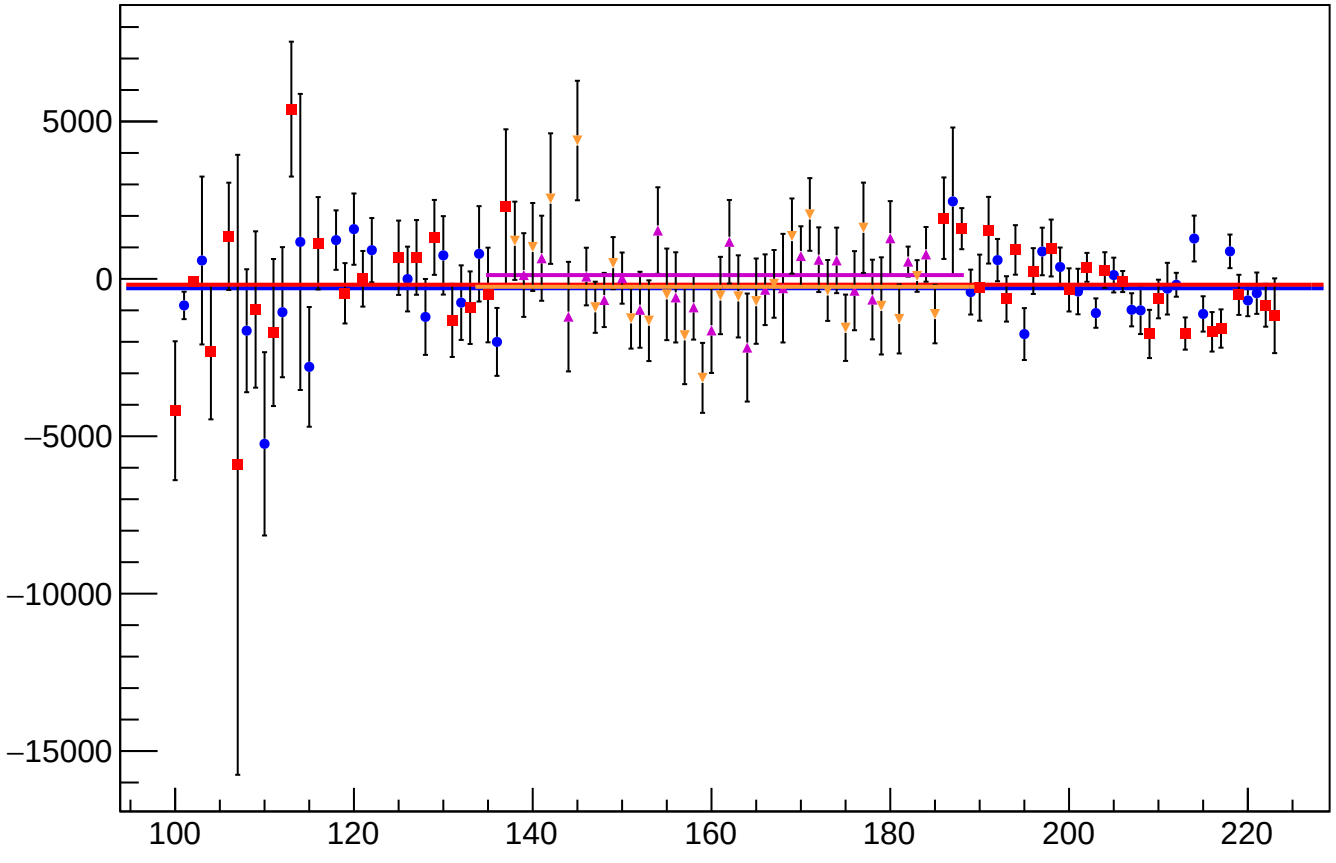
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1473.754+/-0.164 χ^2/NDF: 161987.9/57

All: 1479.507+/-0.116 χ^2/NDF: 431615.8/118

- sign 1485.293+/-0.164 χ^2/NDF: 267146.5/60

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -298.638+/-126.872 χ^2/NDF: 46.6/33

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -184.489+/-99.261 χ^2/NDF: 65.2/37

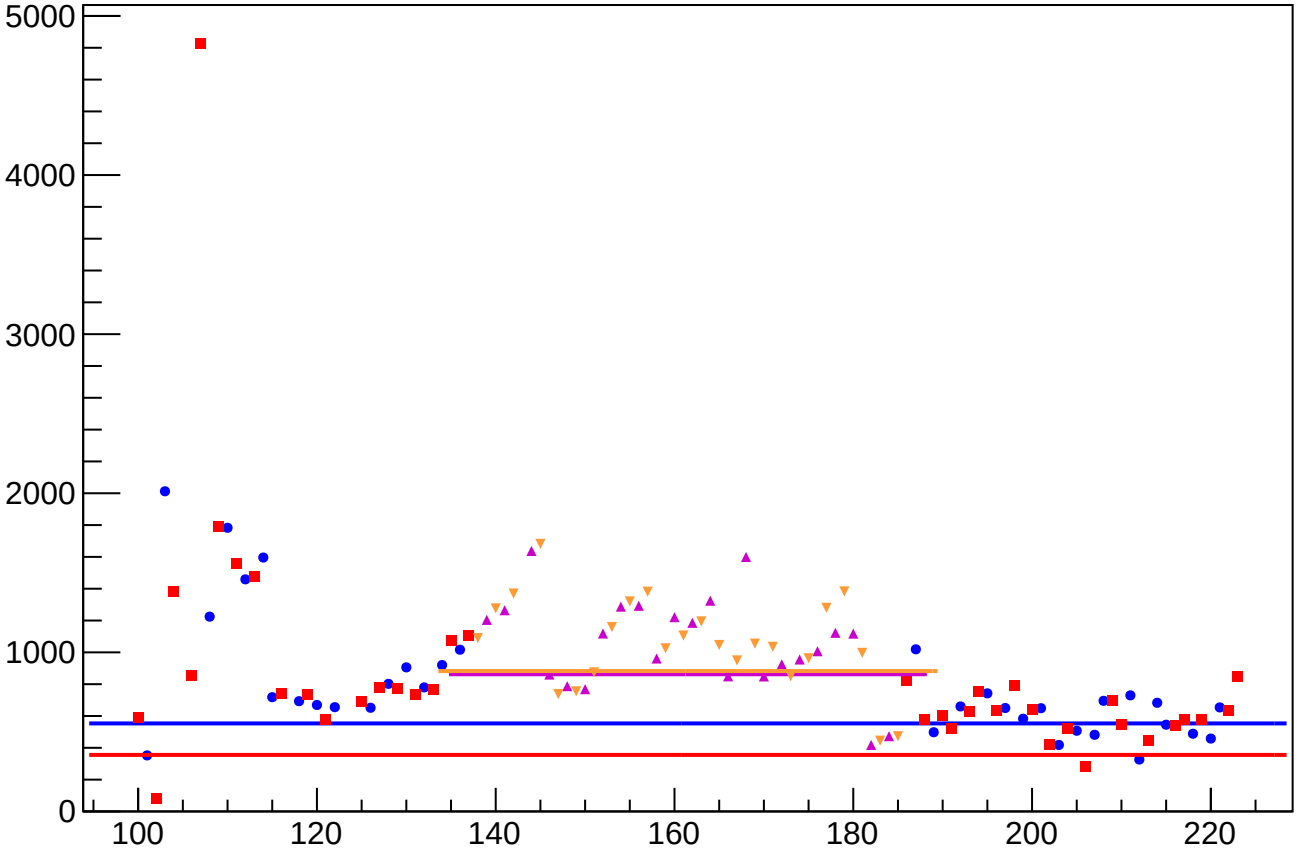
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -286.764+/-109.701 χ^2/NDF: 79.3/57

All: -194.071+/-69.668 χ^2/NDF: 160.2/118

- sign -131.416+/-90.191 χ^2/NDF: 79.7/60

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 553.272+/-0.090 χ^2/NDF: 4651272.0/33

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 355.406+/-0.070 χ^2/NDF: 16737269.0/37

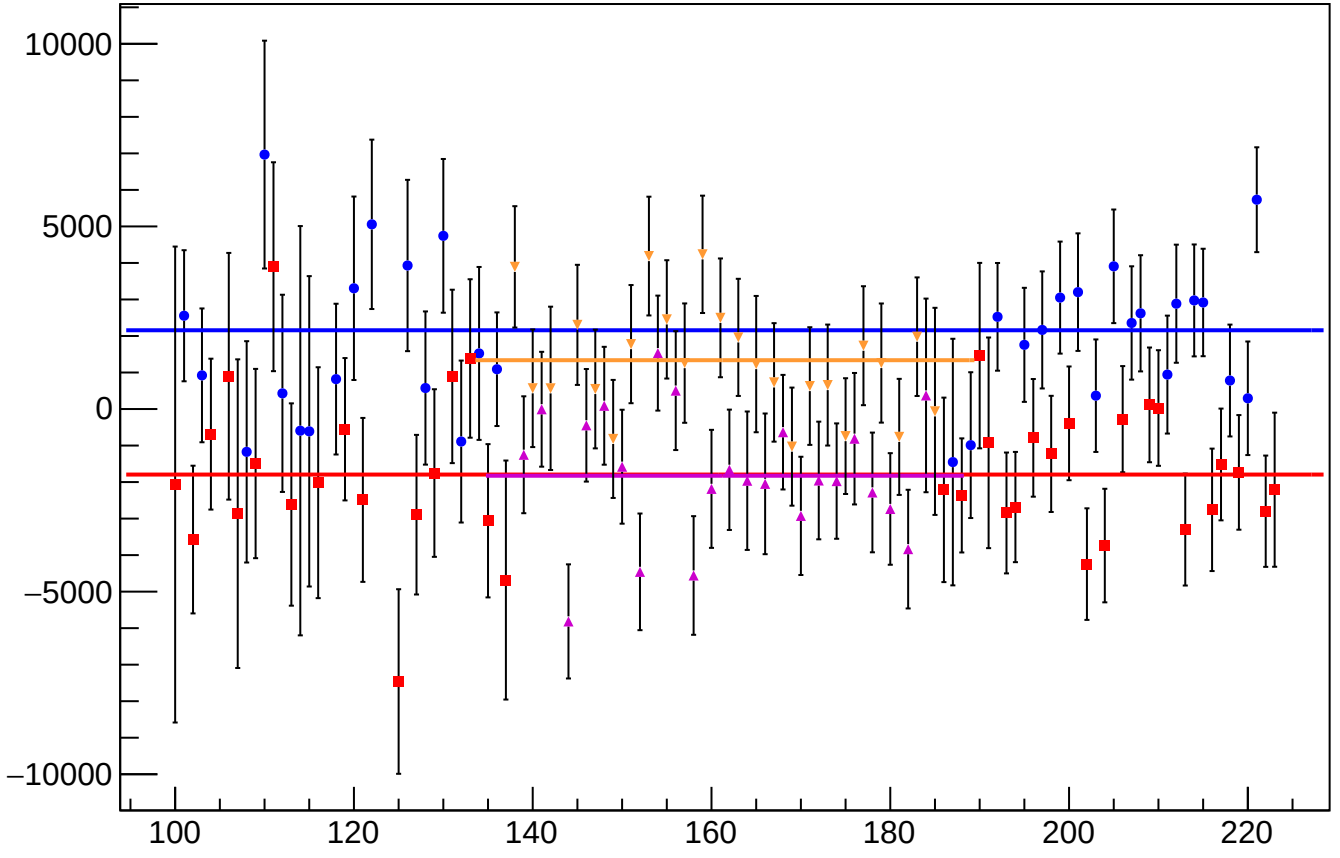
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 636.340+/-0.078 χ^2/NDF: 11950072.7/57

All: 521.457+/-0.049 χ^2/NDF: 45828373.5/11

- sign 443.803+/-0.064 χ^2/NDF: 30202275.4/60

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2156.808+/-314.853 χ^2/NDF: 29.4/33

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1794.310+/-314.583 χ^2/NDF: 30.0/37

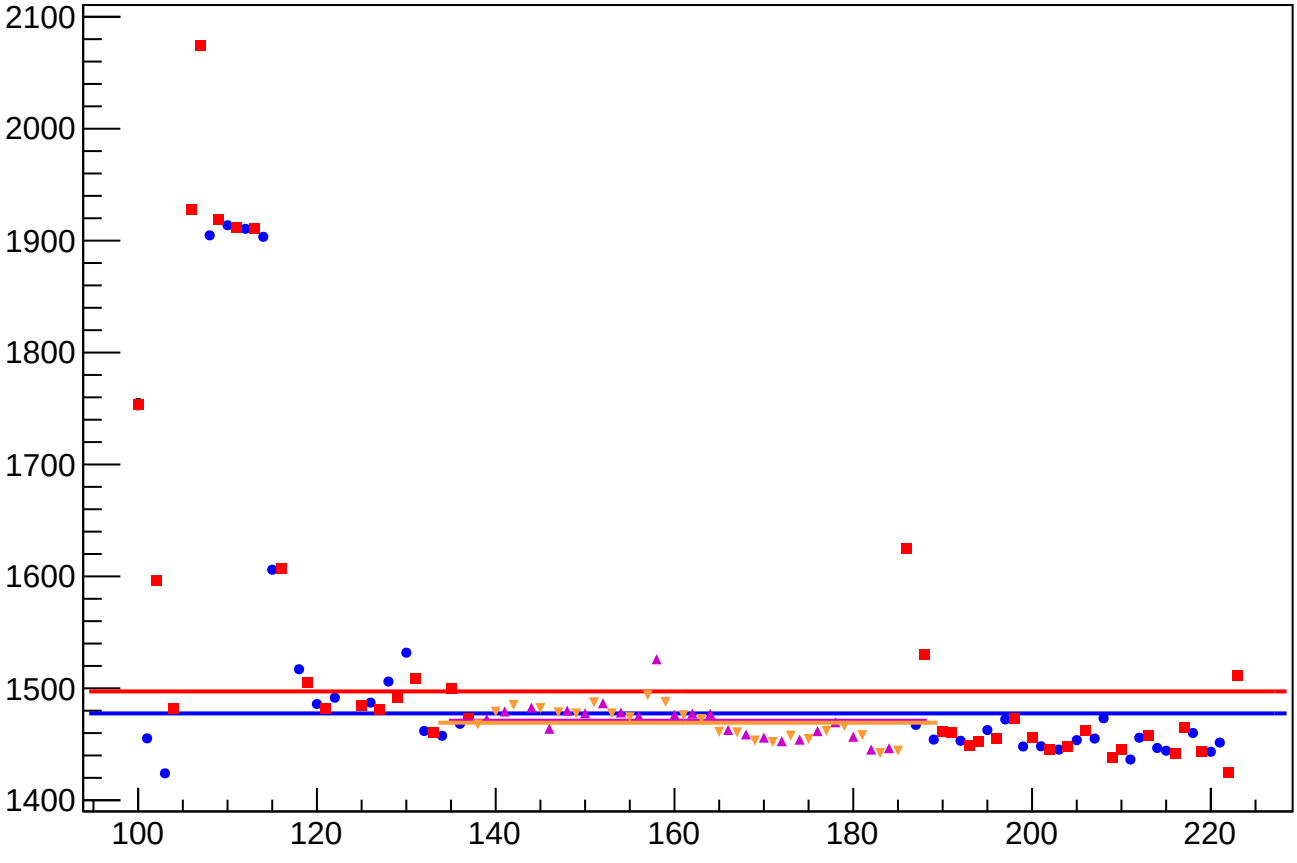
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1779.560+/-231.330 χ^2/NDF: 51.7/57

All: -9.648+/-163.808 χ^2/NDF: 228.2/118

- sign -1809.060+/-231.989 χ^2/NDF: 56.5/60

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1477.578+/-0.223 χ^2/NDF: 158191.2/33

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

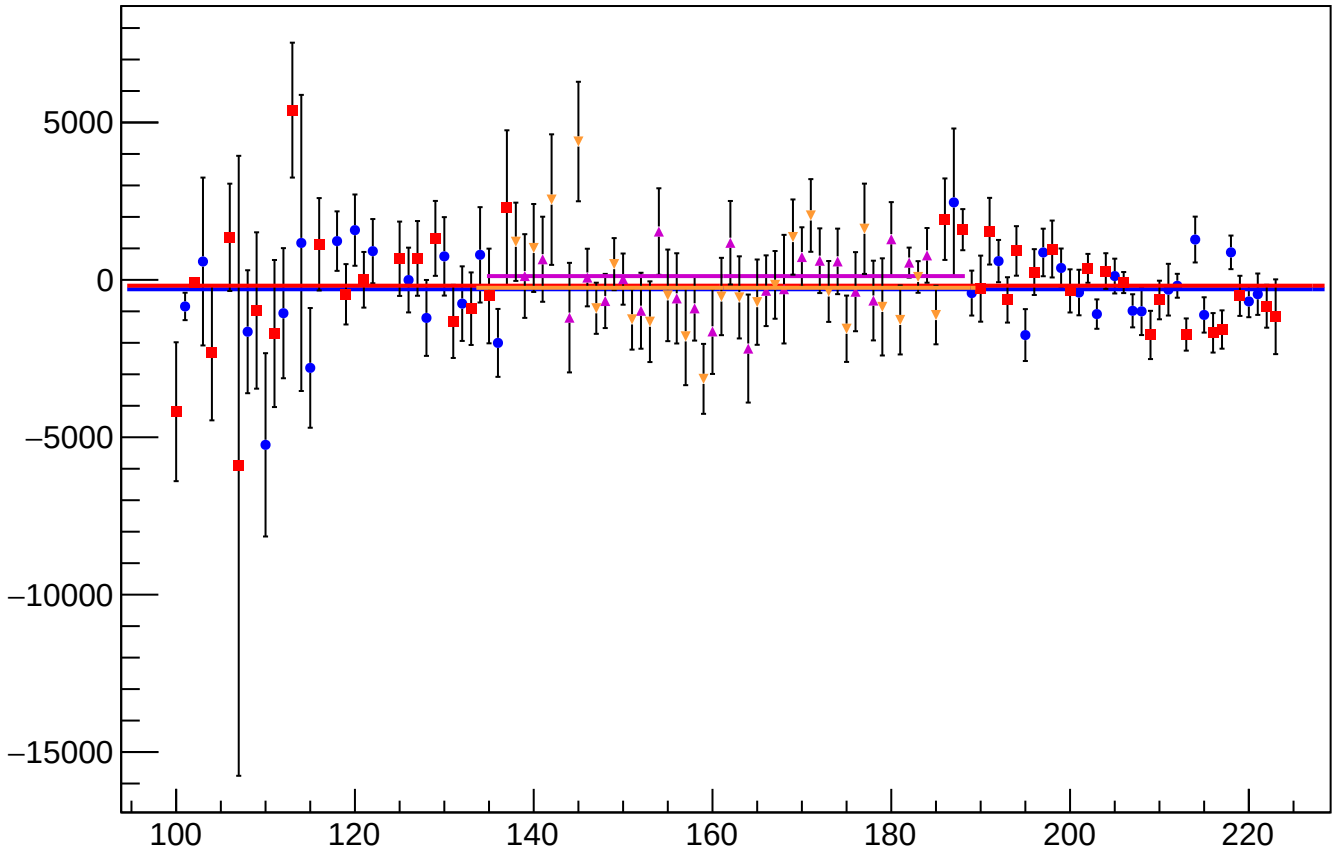
Right Out: 1497.237+/-0.222 χ^2/NDF: 256183.8/37

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1473.754+/-0.164 χ^2/NDF: 161987.9/57

All: 1479.507+/-0.116 χ^2/NDF: 431615.8/118

- sign 1485.293+/-0.164 χ^2/NDF: 267146.5/60



Right In: -298.638+/-126.872 χ^2/NDF: 46.6/33

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

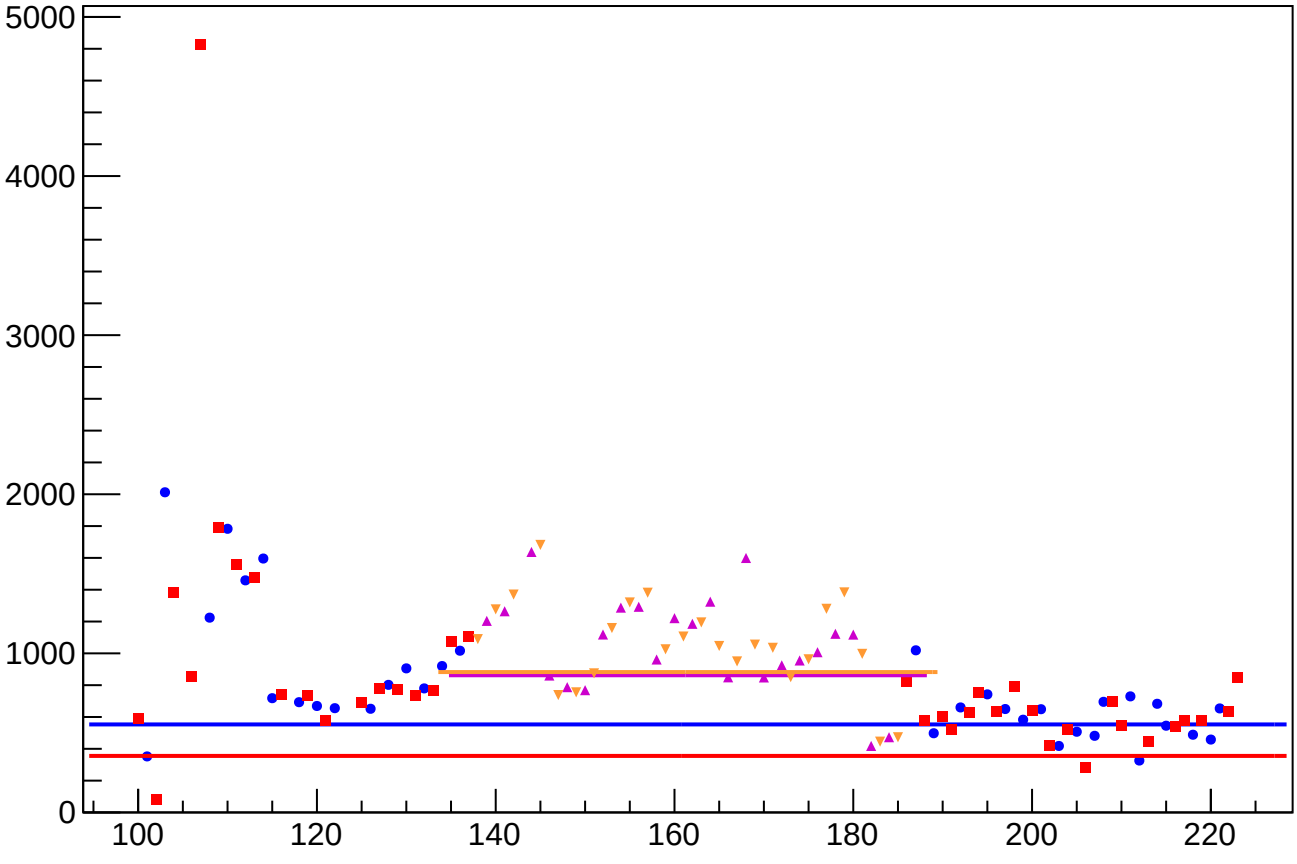
Right Out: -184.489+/-99.261 χ^2/NDF: 65.2/37

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -286.764+/-109.701 χ^2/NDF: 79.3/57

All: -194.071+/-69.668 χ^2/NDF: 160.2/118

- sign -131.416+/-90.191 χ^2/NDF: 79.7/60



Right In: 553.272+/-0.090 χ^2/NDF: 4651272.0/33

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

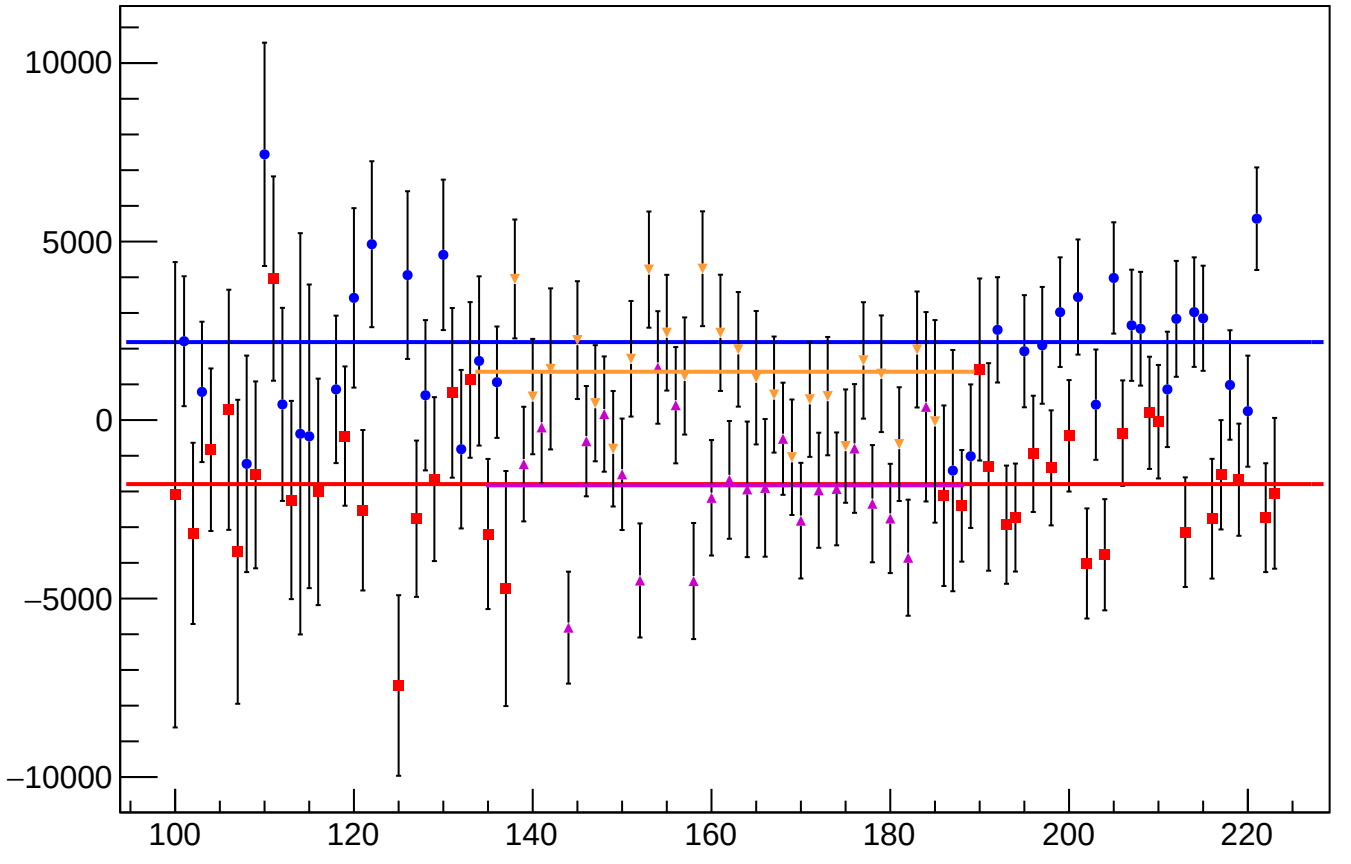
Right Out: 355.406+/-0.070 χ^2/NDF: 16737269.0/37

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 636.340+/-0.078 χ^2/NDF: 11950072.7/57

All: 521.457+/-0.049 χ^2/NDF: 45828373.5/11

- sign 443.803+/-0.064 χ^2/NDF: 30202275.4/60



Right In: 2184.147+/-316.443 χ^2/NDF: 29.2/33

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1793.902+/-317.789 χ^2/NDF: 27.8/37

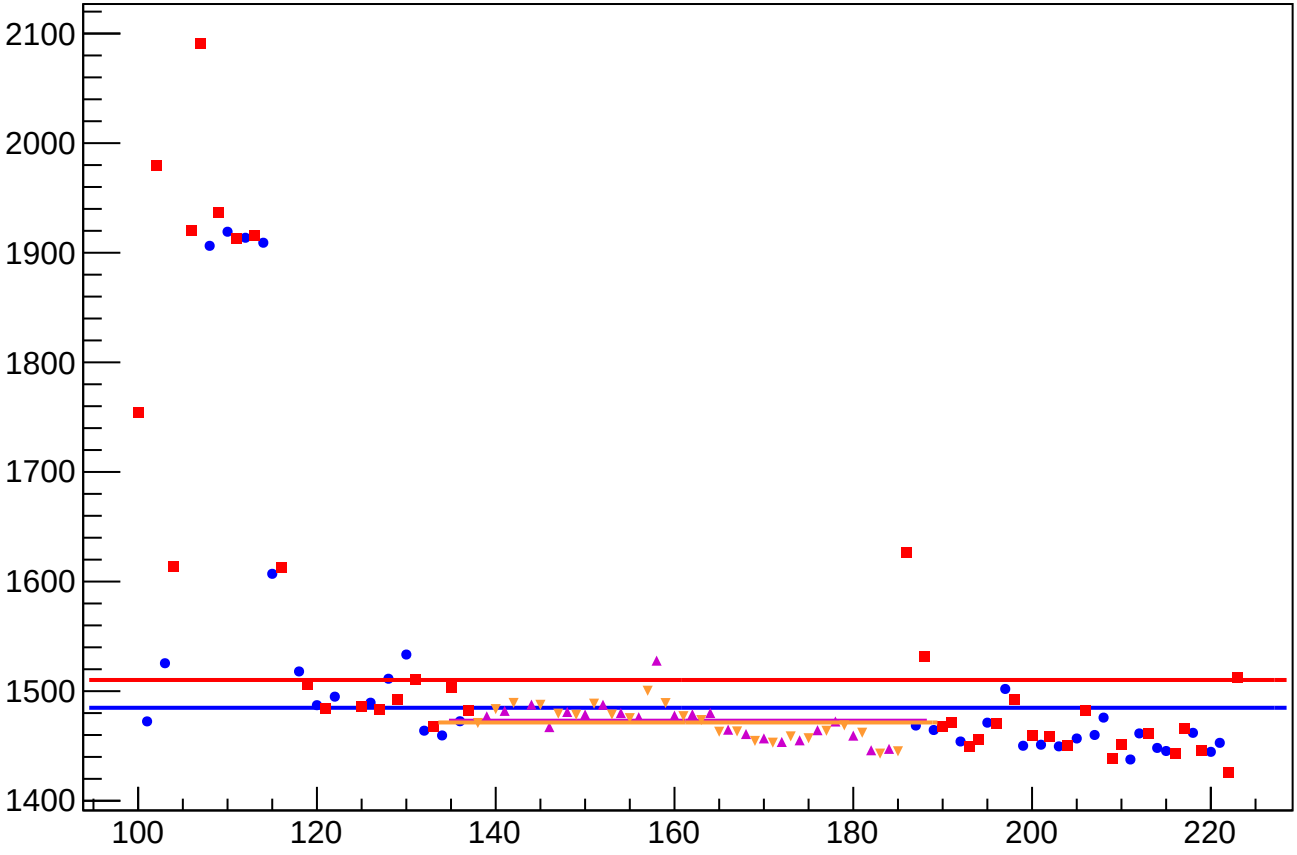
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1800.582+/-232.134 χ^2/NDF: 51.3/57

All: 5.346+/-164.594 χ^2/NDF: 225.3/118

- sign -1809.720+/-233.413 χ^2/NDF: 53.6/60

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1484.838+/-0.224 χ^2/NDF: 157046.9/33

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1510.201+/-0.225 χ^2/NDF: 324976.1/37

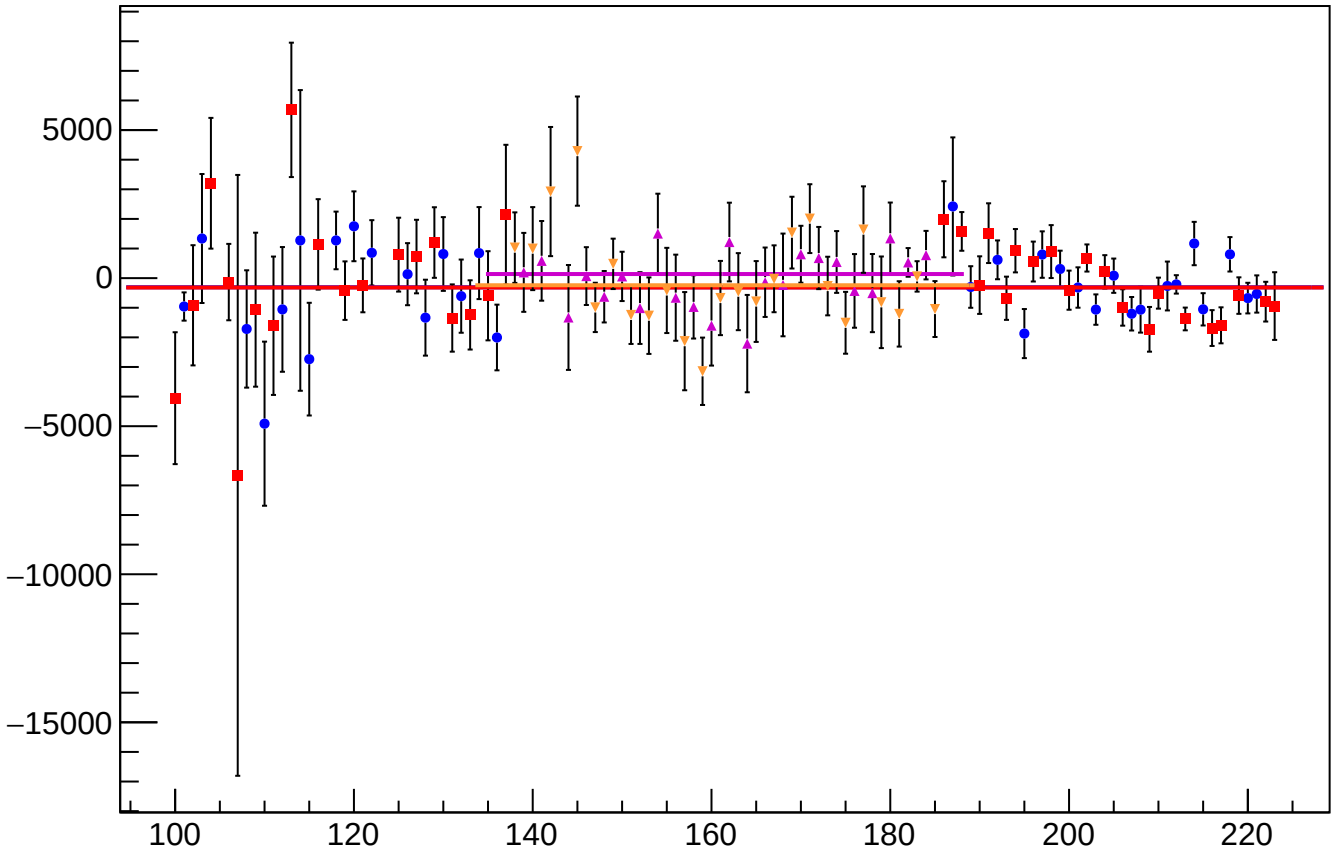
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1478.648+/-0.164 χ^2/NDF: 162140.5/57

All: 1485.830+/-0.116 χ^2/NDF: 508306.0/118

- sign 1493.091+/-0.165 χ^2/NDF: 342315.7/60

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -308.796+/-126.568 χ^2/NDF: 45.3/33

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -316.558+/-132.610 χ^2/NDF: 70.1/37

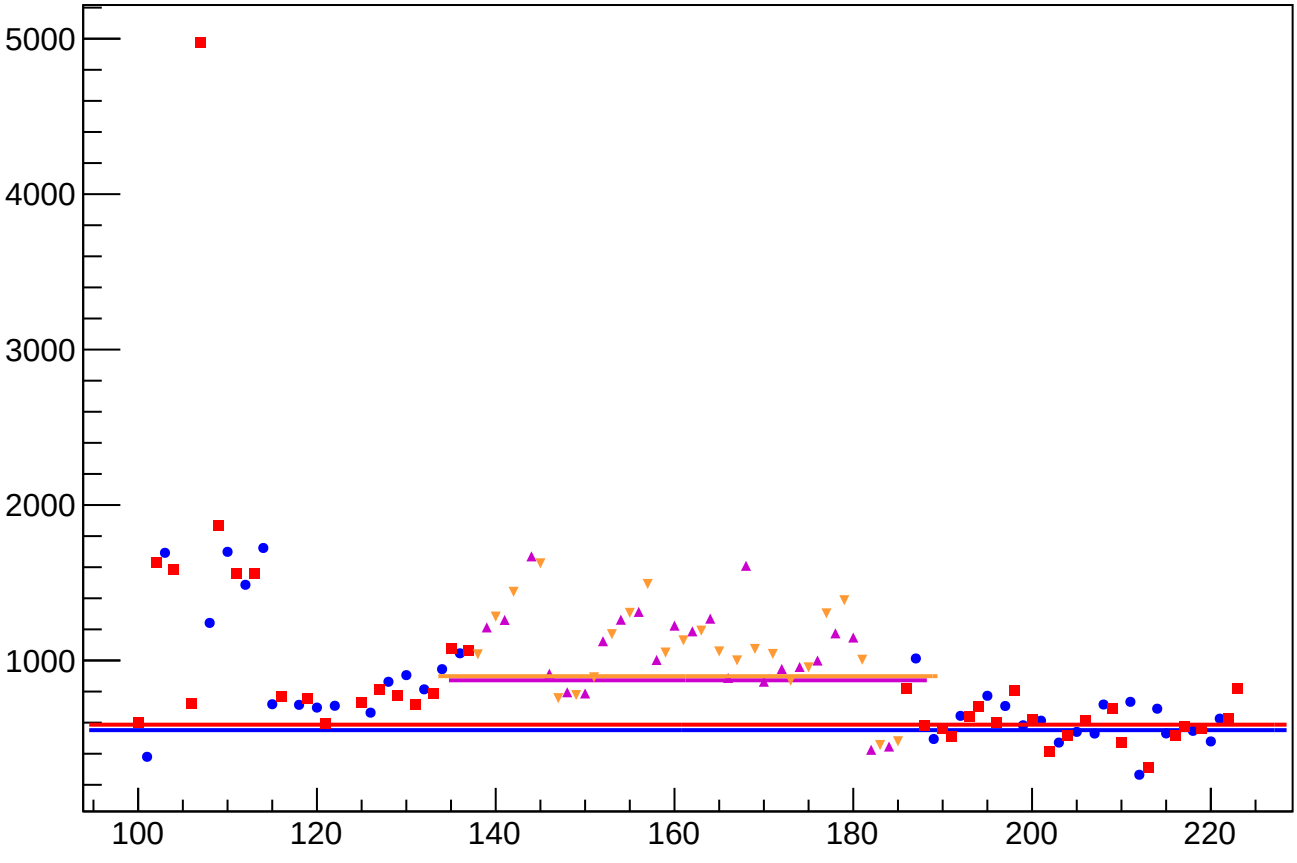
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -291.961+/-109.928 χ^2/NDF: 77.8/57

All: -244.518+/-78.917 χ^2/NDF: 164.4/118

\- sign -194.065+/-113.362 χ^2/NDF: 86.3/60

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 551.742+/-0.089 χ^2/NDF: 5412662.2/33

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 586.922+/-0.094 χ^2/NDF: 4967153.3/37

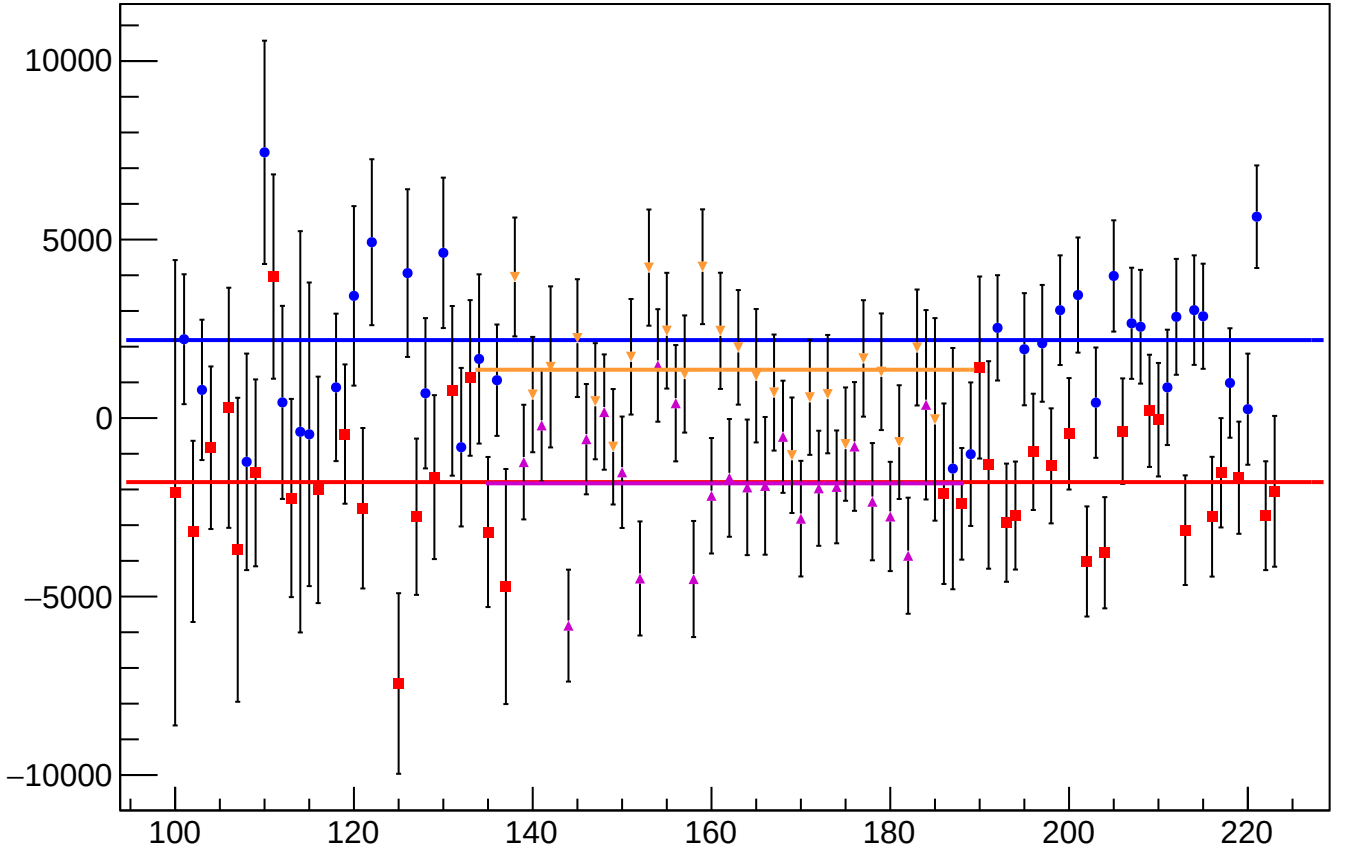
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 637.014+/-0.078 χ^2/NDF: 12899464.6/57

All: 649.995+/-0.056 χ^2/NDF: 24856352.7/11

- sign 663.800+/-0.080 χ^2/NDF: 11899337.1/60

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2184.146+/-316.443 χ^2/NDF: 29.2/33

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1793.902+/-317.789 χ^2/NDF: 27.8/37

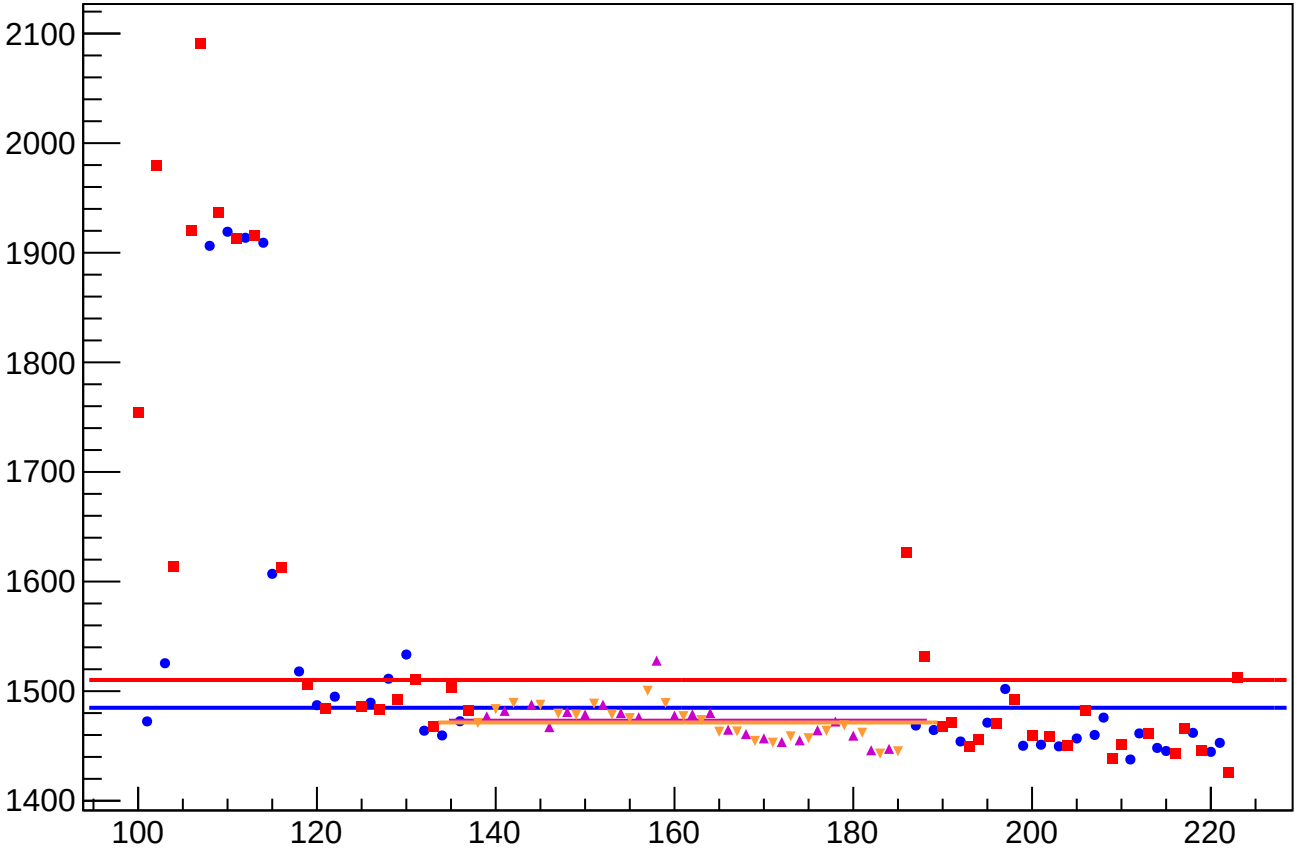
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1800.581+/-232.134 χ^2/NDF: 51.3/57

All: 5.345+/-164.594 χ^2/NDF: 225.3/118

- sign -1809.720+/-233.413 χ^2/NDF: 53.6/60

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1484.838+/-0.224 χ^2/NDF: 157046.8/33

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

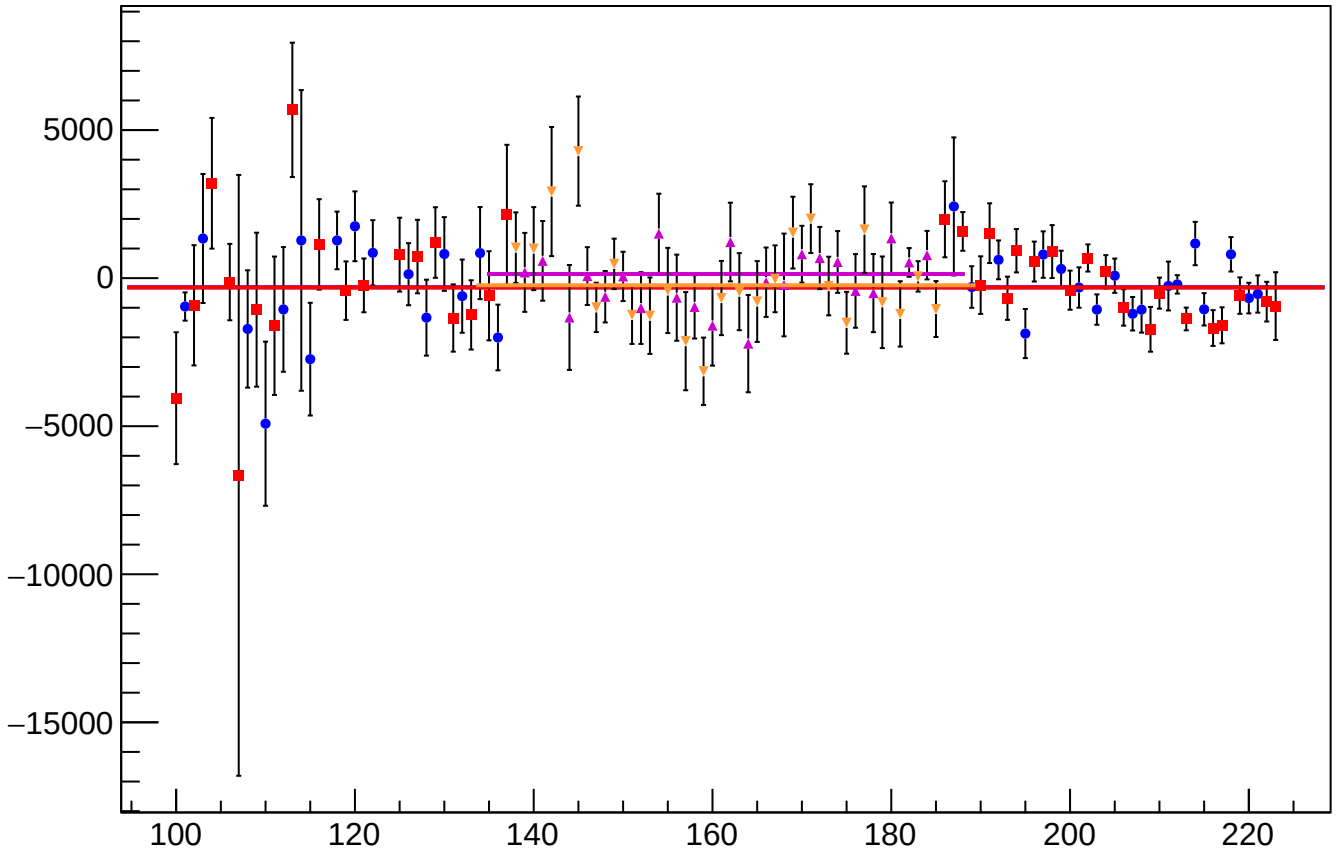
Right Out: 1510.201+/-0.225 χ^2/NDF: 324975.6/37

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1478.648+/-0.164 χ^2/NDF: 162140.4/57

All: 1485.830+/-0.116 χ^2/NDF: 508305.3/118

- sign 1493.091+/-0.165 χ^2/NDF: 342315.2/60



Right In: -308.796+/-126.568 χ^2/NDF: 45.3/33

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

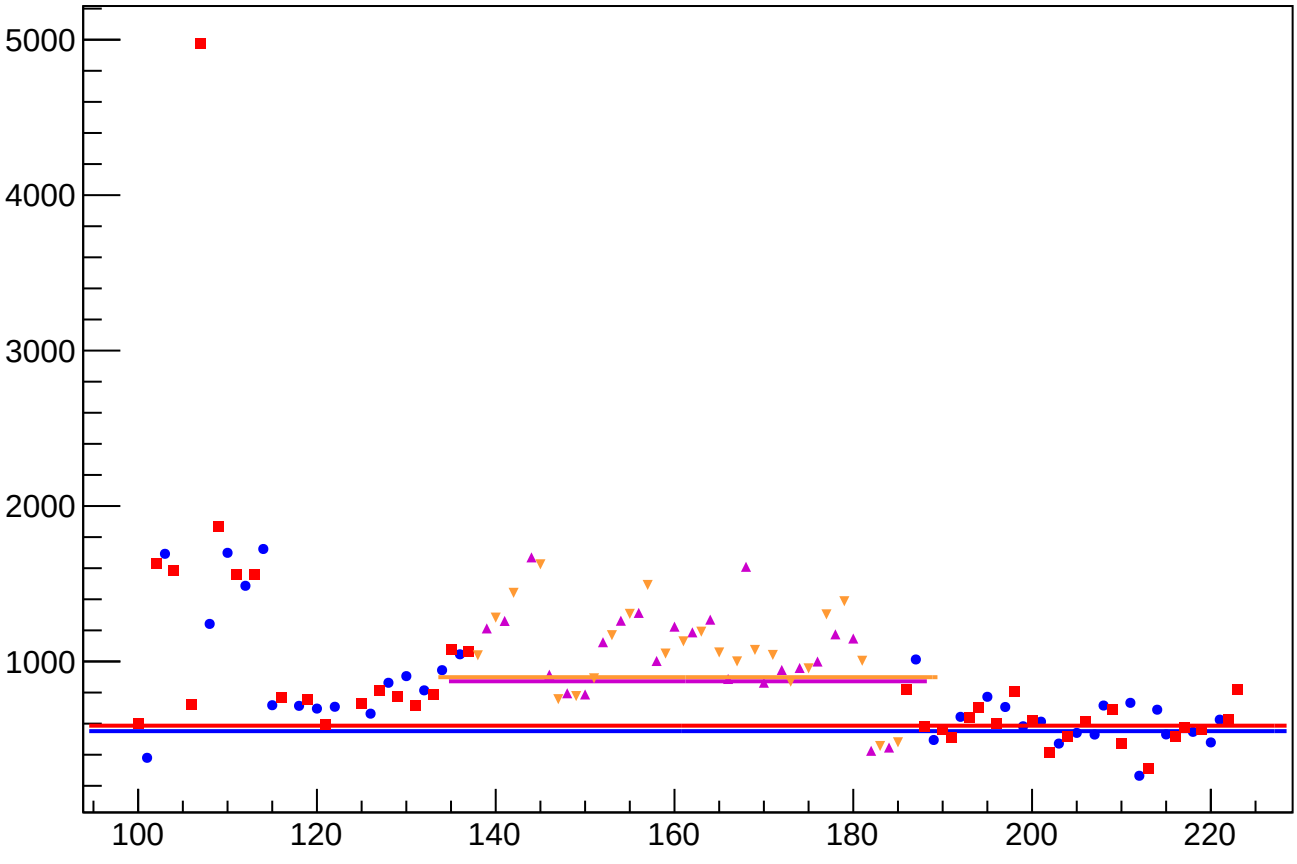
Right Out: -316.558+/-132.610 χ^2/NDF: 70.1/37

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -291.962+/-109.928 χ^2/NDF: 77.8/57

All: -244.519+/-78.917 χ^2/NDF: 164.4/118

- sign -194.065+/-113.362 χ^2/NDF: 86.3/60



Right In: 551.743+/-0.089 χ^2/NDF: 5412658.5/33

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 586.923+/-0.094 χ^2/NDF: 4967150.5/37

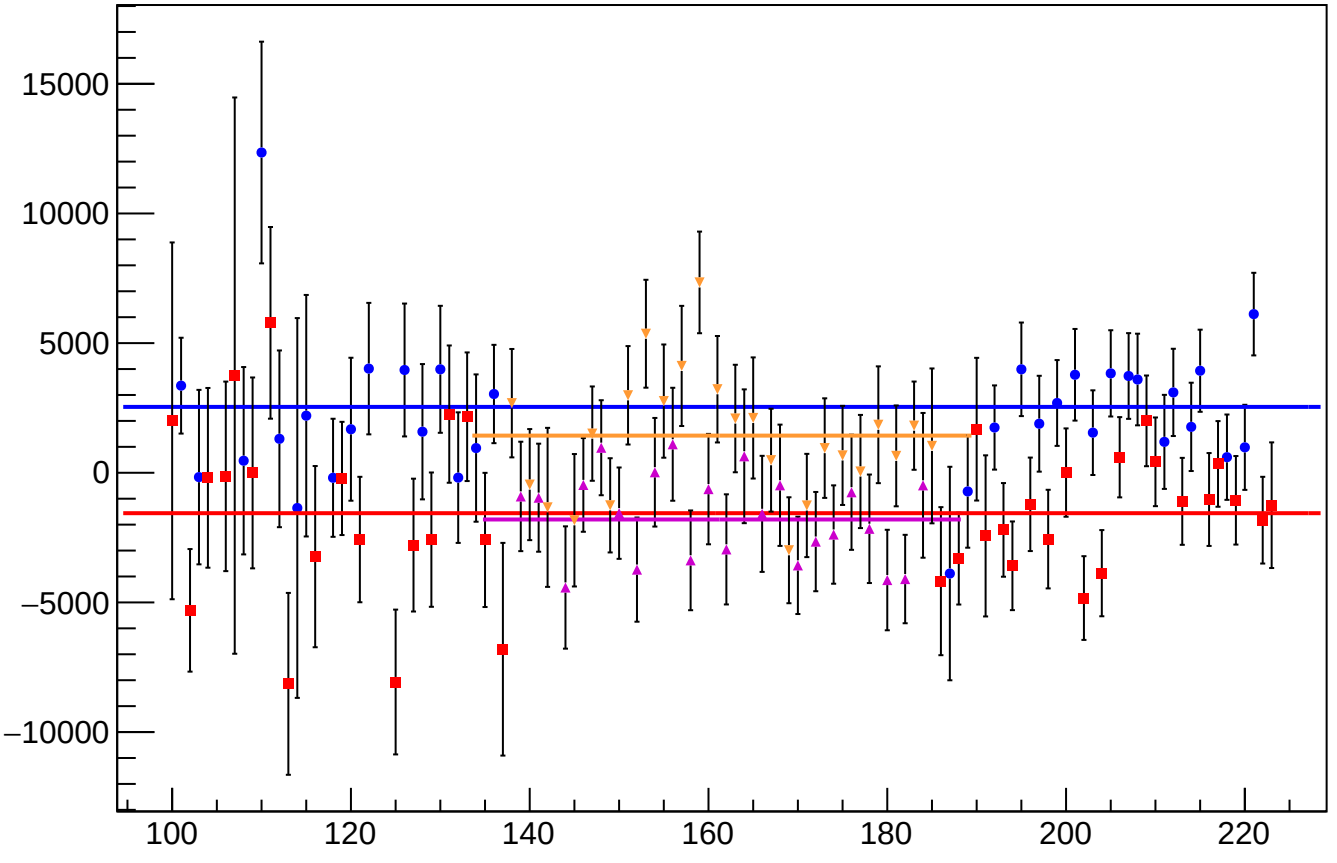
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 637.014+/-0.078 χ^2/NDF: 12899477.3/57

All: 649.996+/-0.056 χ^2/NDF: 24856375.9/11

- sign 663.801+/-0.080 χ^2/NDF: 11899347.0/60

asym_usl_atl1_avg_mean vs Slug



Right In: 2540.250+/-352.156 χ^2/NDF: 28.1/33

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1558.554+/-353.701 χ^2/NDF: 44.8/37

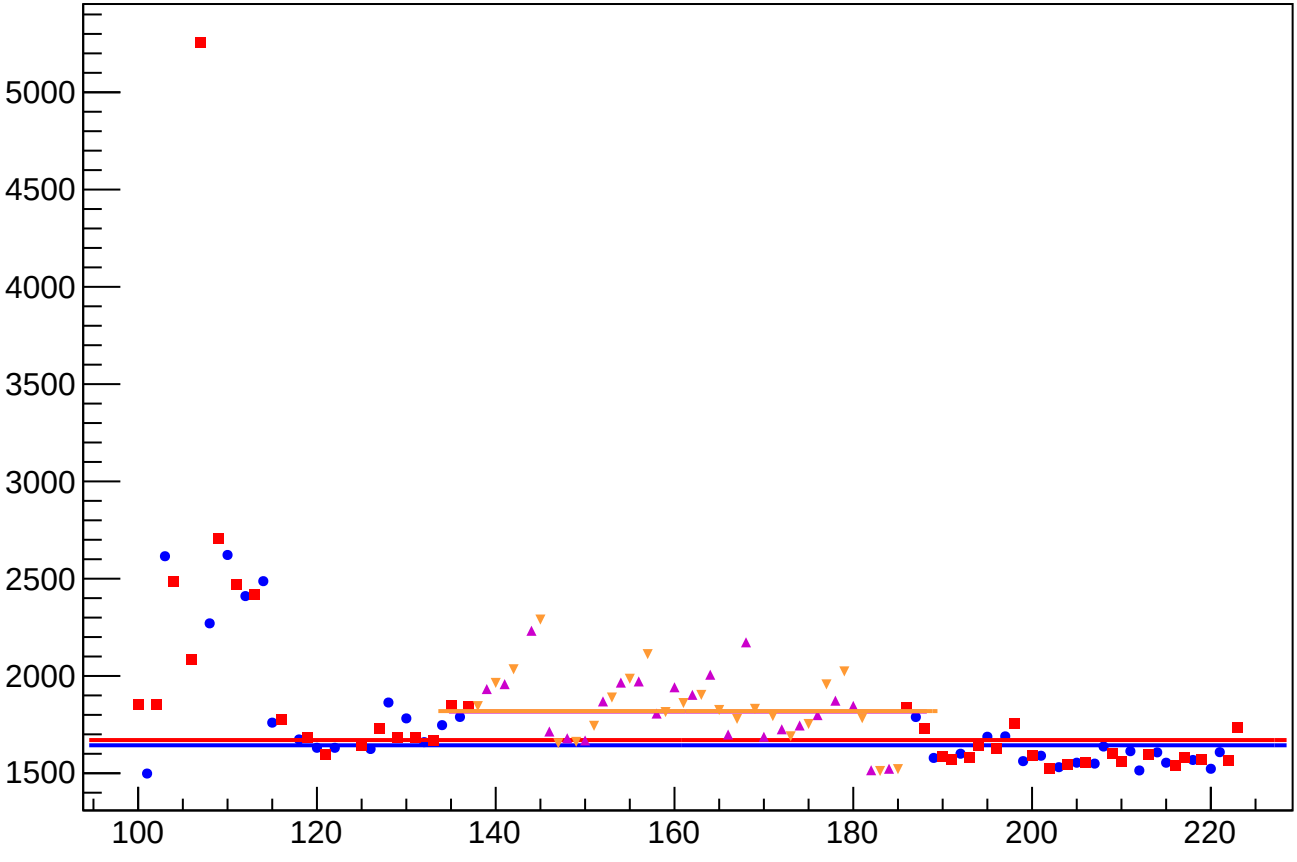
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 2088.960+/-271.024 χ^2/NDF: 61.5/57

All: 224.170+/-192.076 χ^2/NDF: 216.9/118

- sign -1657.576+/-272.254 χ^2/NDF: 60.3/60

asym_usl_atl1_avg_rms vs Slug



Right In: 1643.668+/-0.249 χ^2/NDF: 581137.9/33

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1670.602+/-0.250 χ^2/NDF: 849277.5/37

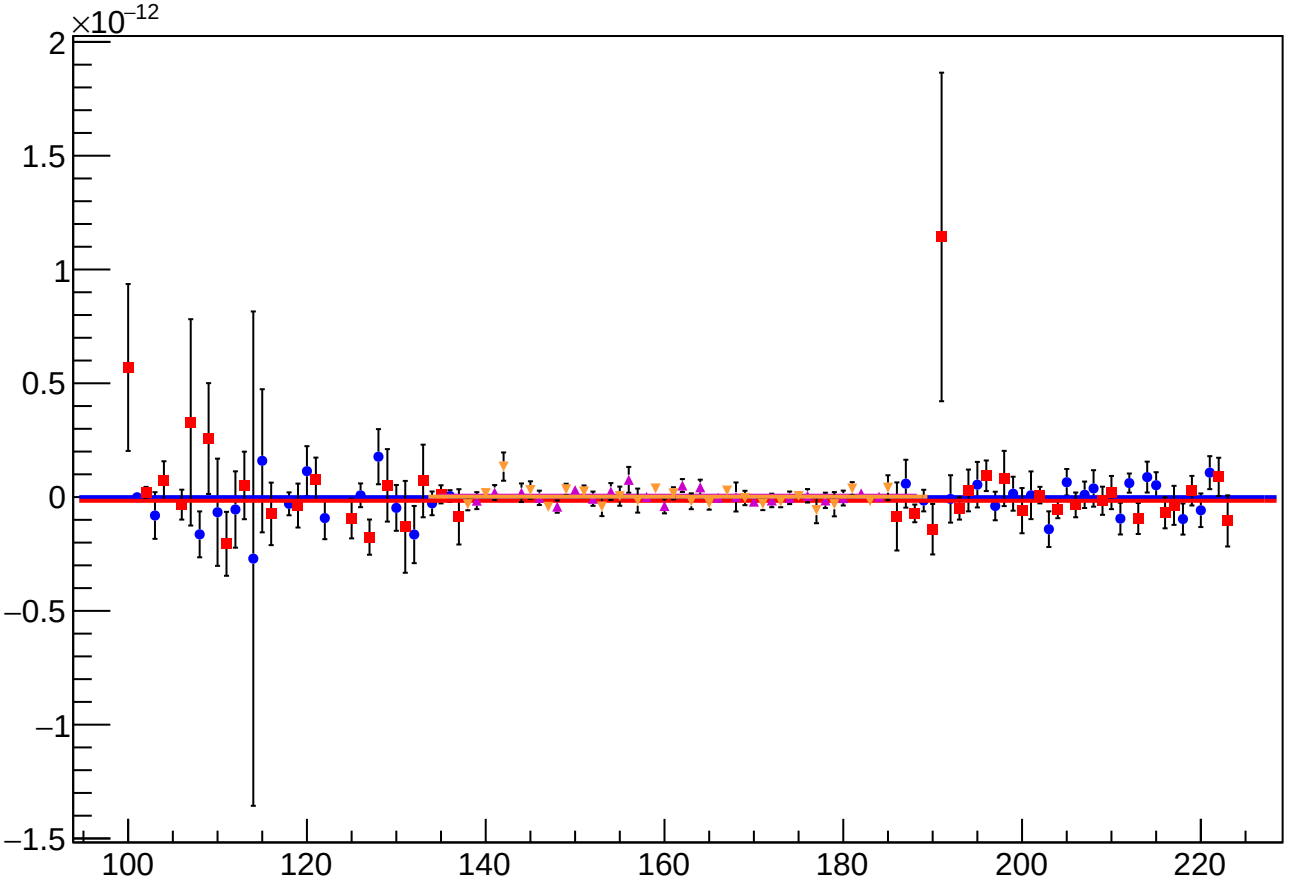
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1715.320+/-0.192 χ^2/NDF: 1079238.6/57

All: 1722.786+/-0.136 χ^2/NDF: 2378566.9/11

- sign 1730.319+/-0.193 χ^2/NDF: 1296279.3/60

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

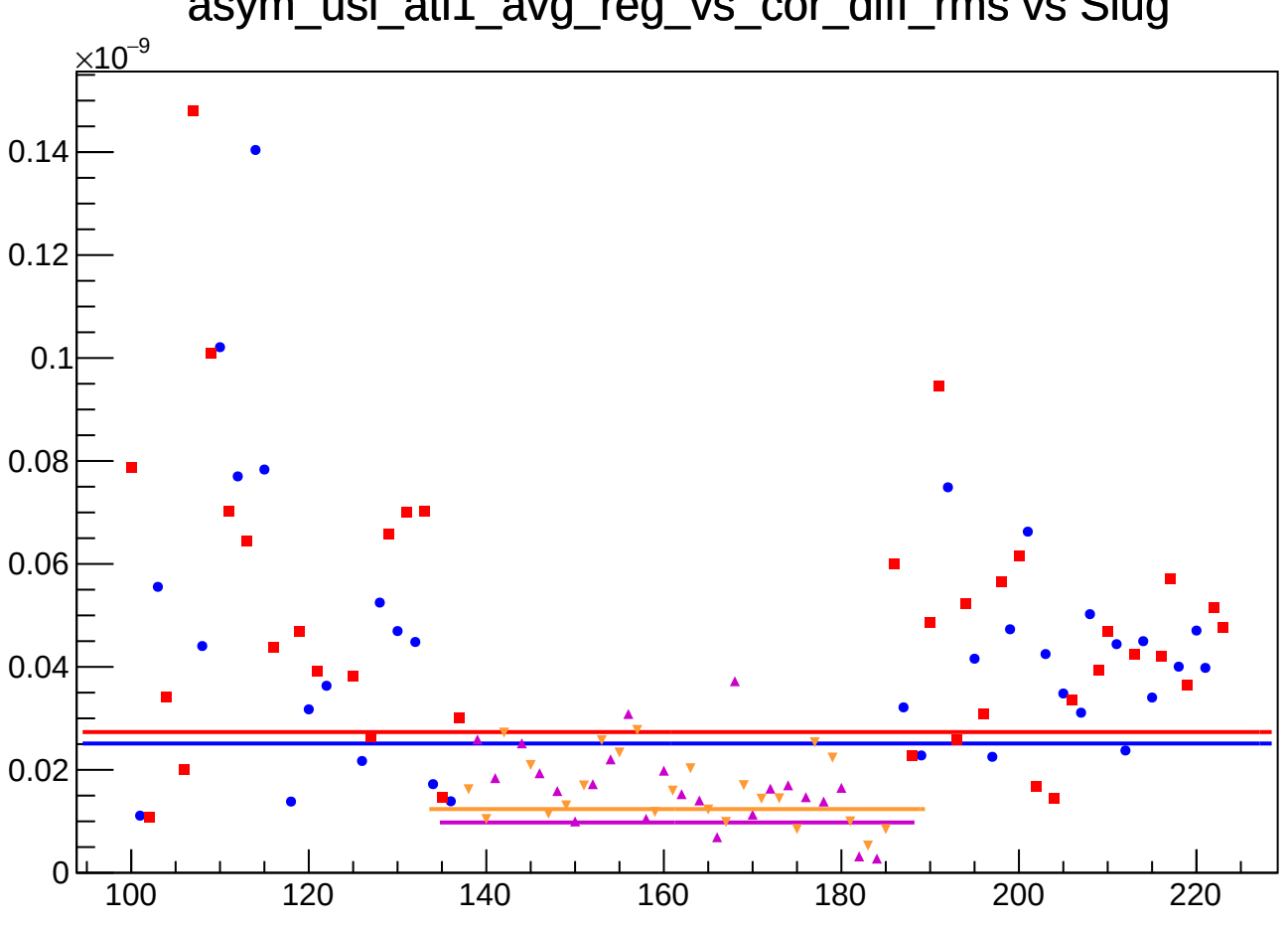
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/37

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/57

All: 0.000+/-0.000 χ^2/NDF: 113.0/118

- sign 0.000+/-0.000 χ^2/NDF: 55.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 4639066.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4374236.1/37

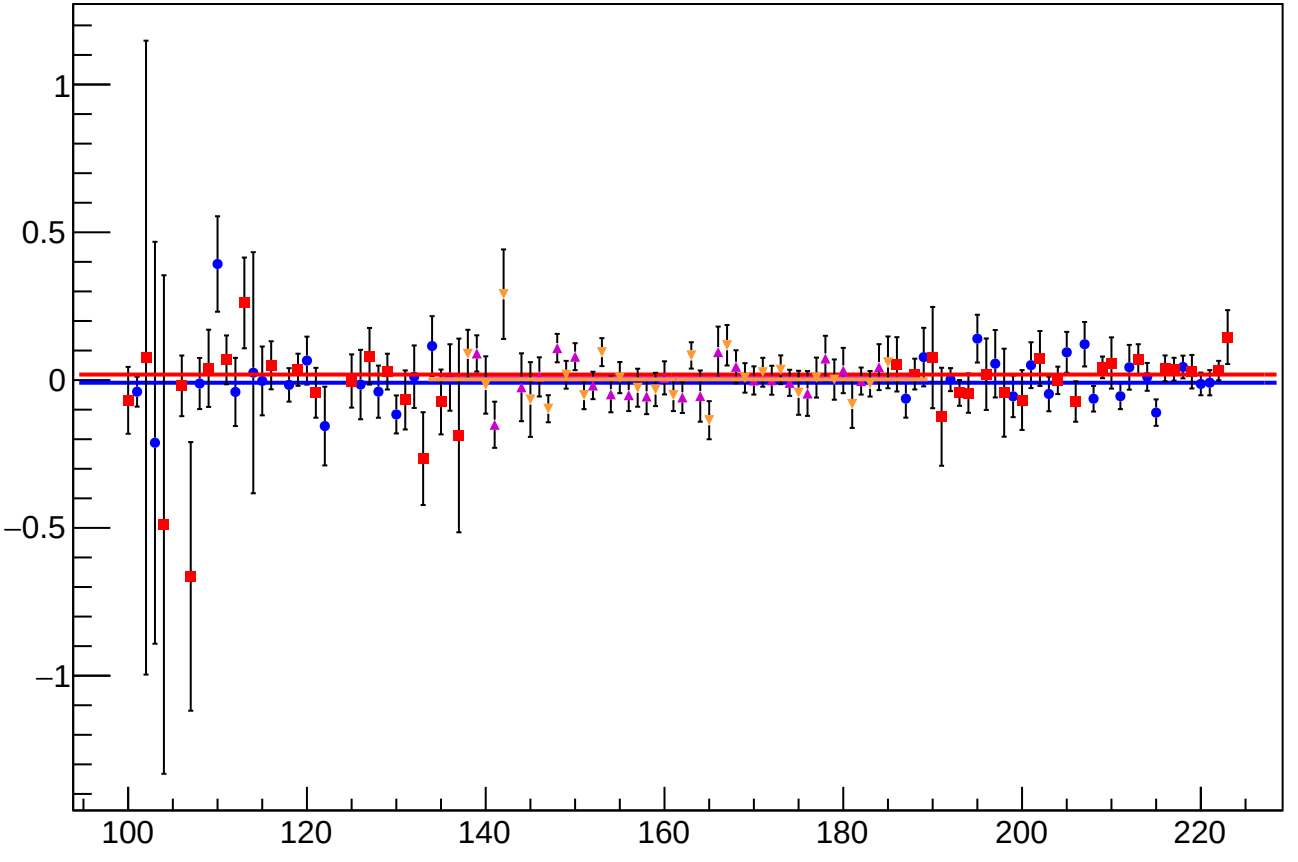
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9042073.5/57

All: 0.000+/-0.000 χ^2/NDF: 22663384.5/118

- sign 0.000+/-0.000 χ^2/NDF: 13267843.9/60

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.019+/-0.011 χ^2/NDF: 23.9/37

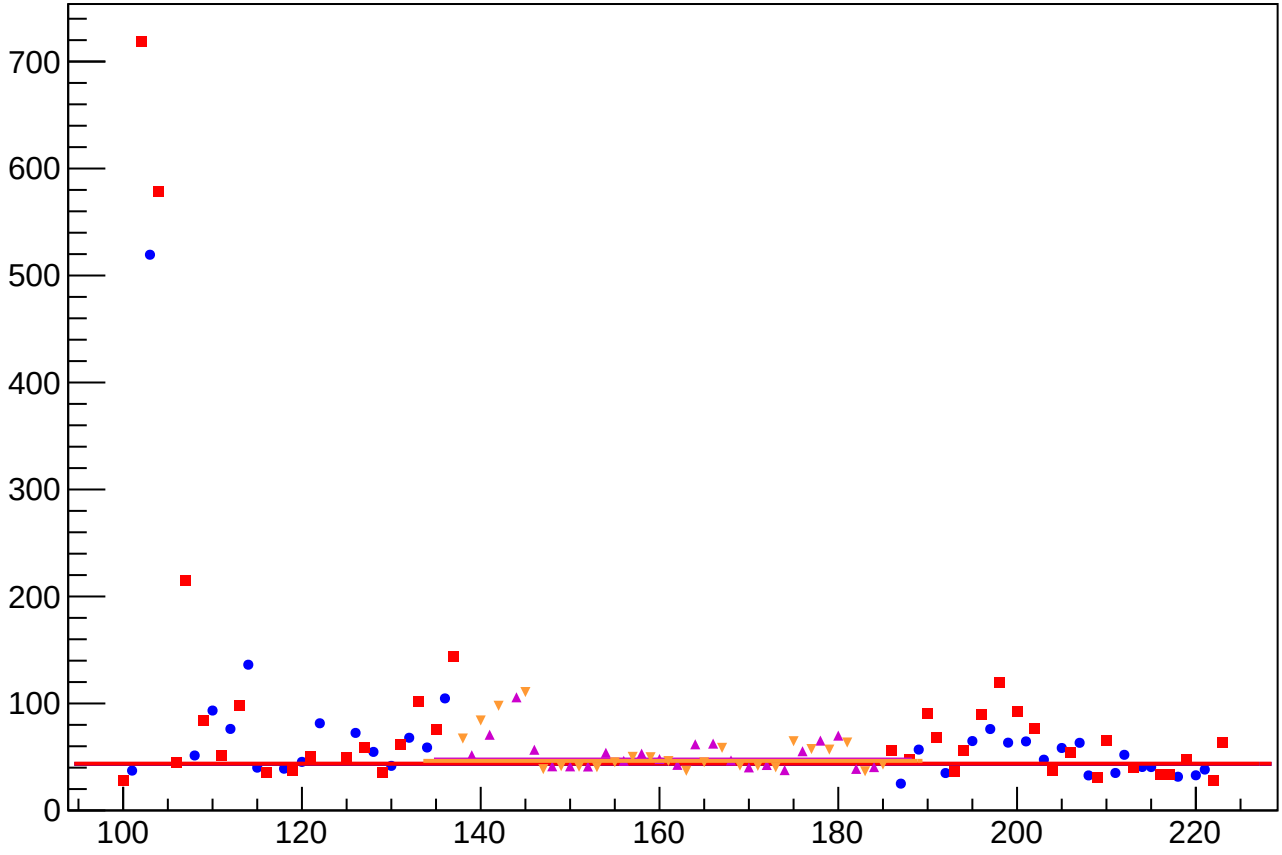
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.004+/-0.008 χ^2/NDF: 65.9/57

All: 0.004+/-0.006 χ^2/NDF: 114.1/118

- sign 0.013+/-0.008 χ^2/NDF: 46.1/60

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 43.450+/-0.008 χ^2/NDF: 4324051.0/33

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

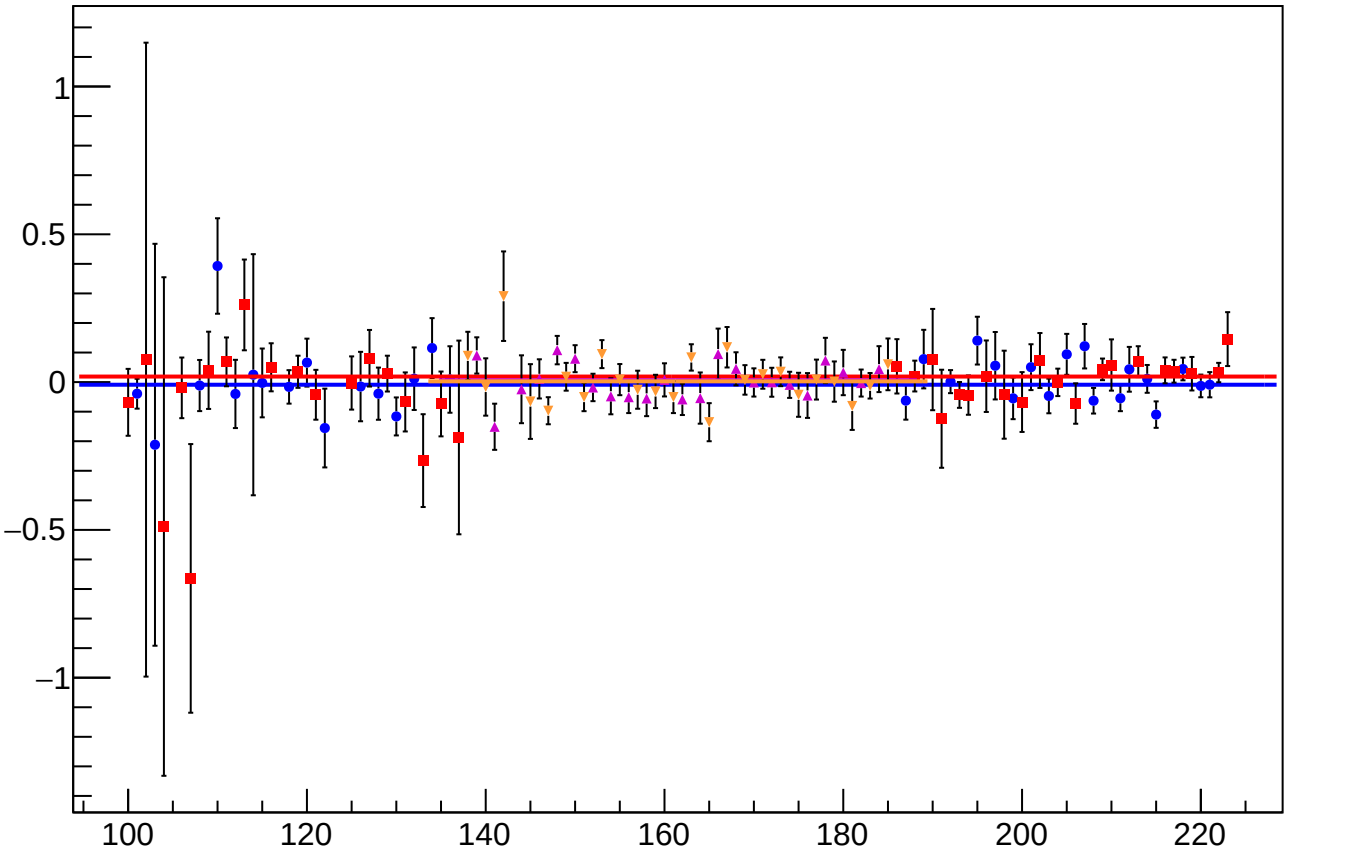
Right Out: 43.718+/-0.008 χ^2/NDF: 6384864.2/37

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 44.785+/-0.006 χ^2/NDF: 6356182.4/57

All: 45.134+/-0.004 χ^2/NDF: 14433677.4/118

- sign 45.500+/-0.006 χ^2/NDF: 8069800.4/60



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.019+/-0.011 χ^2/NDF: 23.9/37

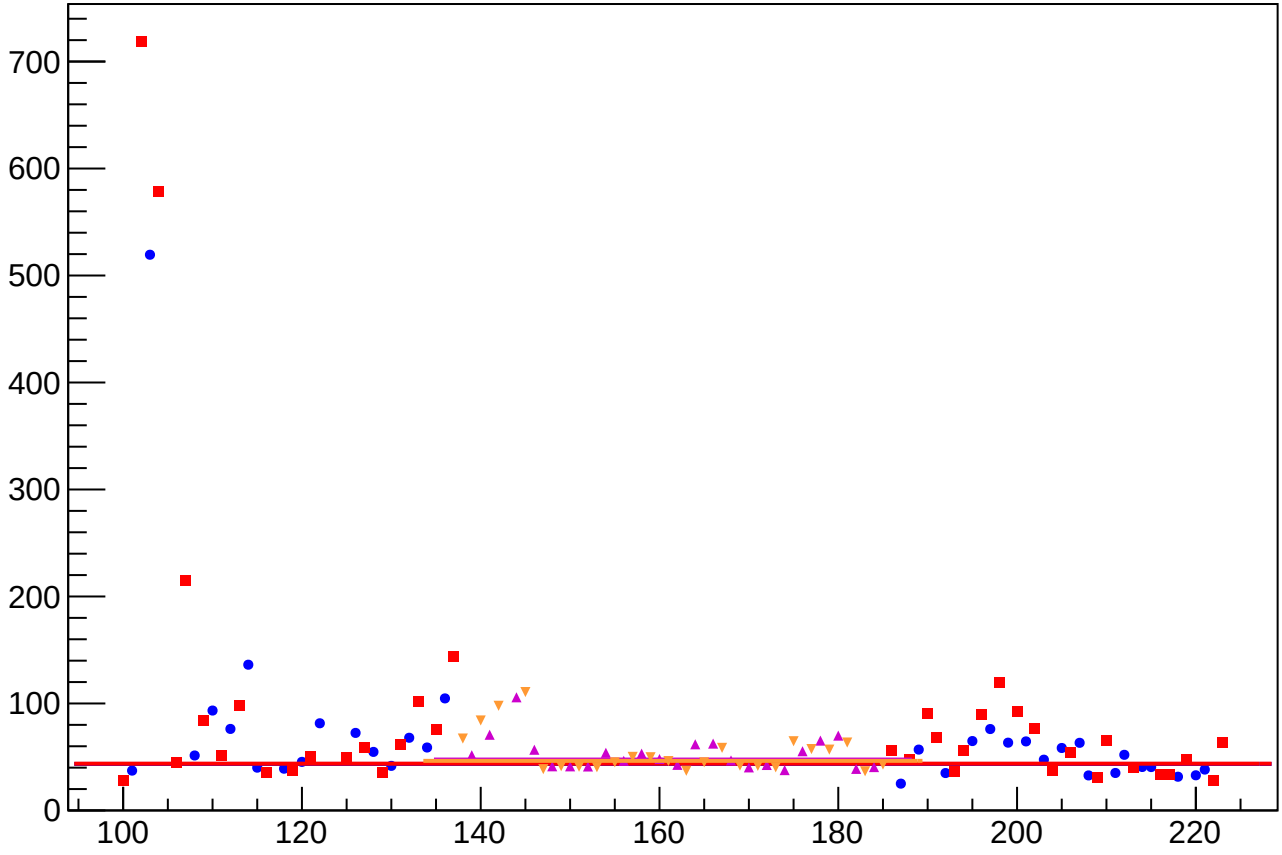
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.004+/-0.008 χ^2/NDF: 65.9/57

All: 0.004+/-0.006 χ^2/NDF: 114.1/118

- sign 0.013+/-0.008 χ^2/NDF: 46.1/60

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.450+/-0.008 χ^2/NDF: 4324051.0/33

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

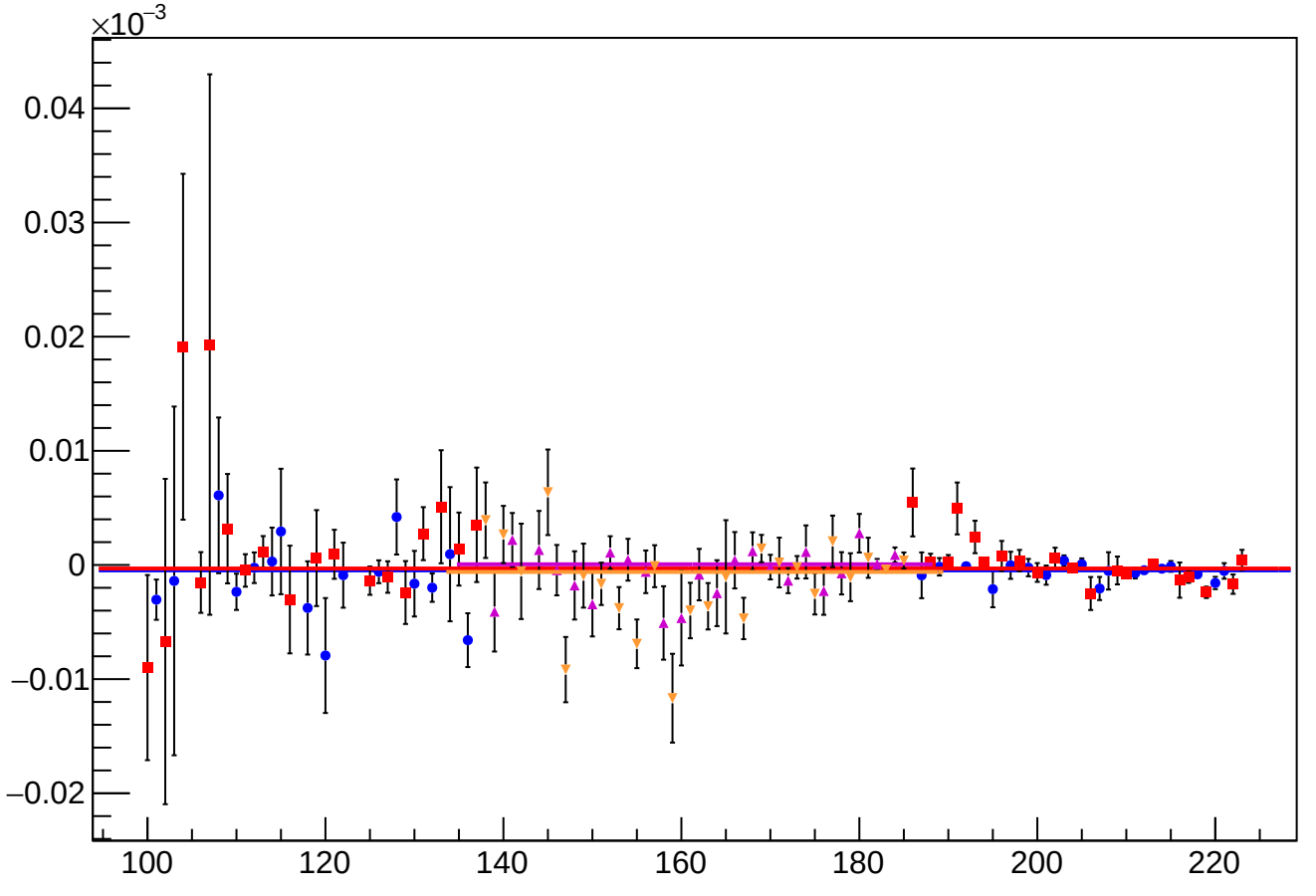
Right Out: 43.718+/-0.008 χ^2/NDF: 6384864.2/37

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 44.785+/-0.006 χ^2/NDF: 6356182.4/57

All: 45.134+/-0.004 χ^2/NDF: 14433677.4/118

- sign 45.500+/-0.006 χ^2/NDF: 8069800.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

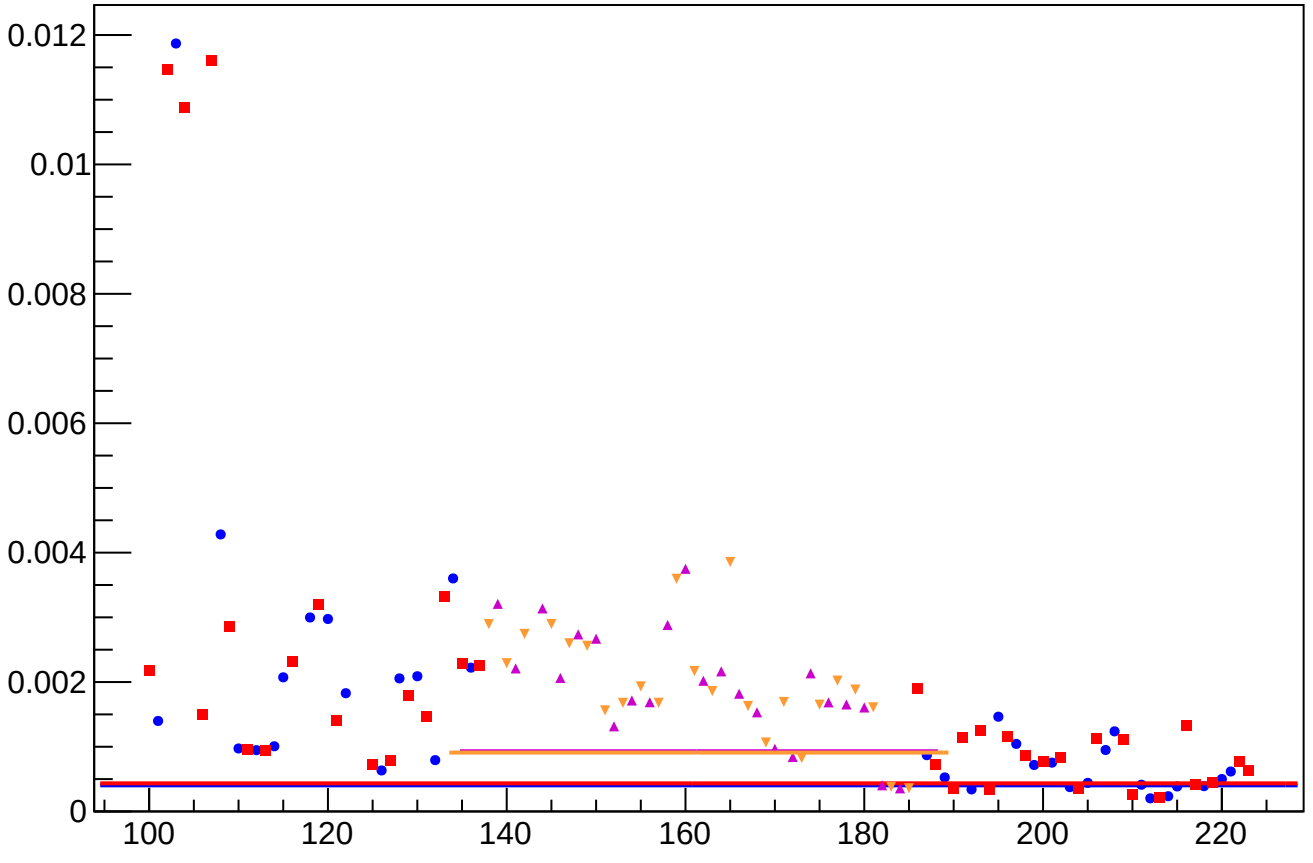
Right Out: -0.000+/-0.000 χ^2/NDF: 62.0/37

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.1/57

All: -0.000+/-0.000 χ^2/NDF: 171.8/118

- sign -0.000+/-0.000 χ^2/NDF: 81.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 14459027.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

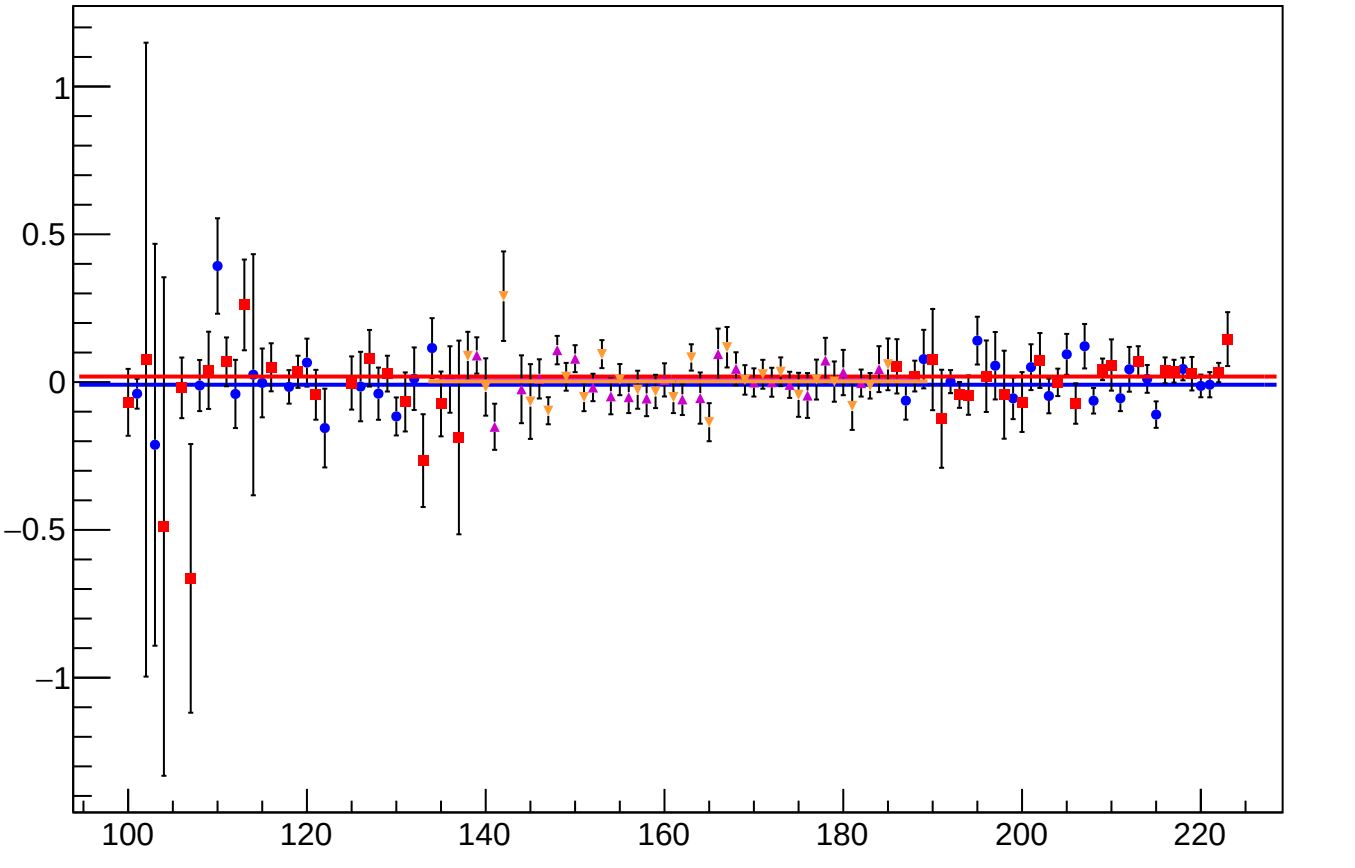
Right Out: 0.000+/-0.000 χ^2/NDF: 16675650.2/37

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 34305475.8/57

All: 0.000+/-0.000 χ^2/NDF: 70018193.4/118

- sign 0.001+/-0.000 χ^2/NDF: 35594083.8/60



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.019+/-0.011 χ^2/NDF: 23.9/37

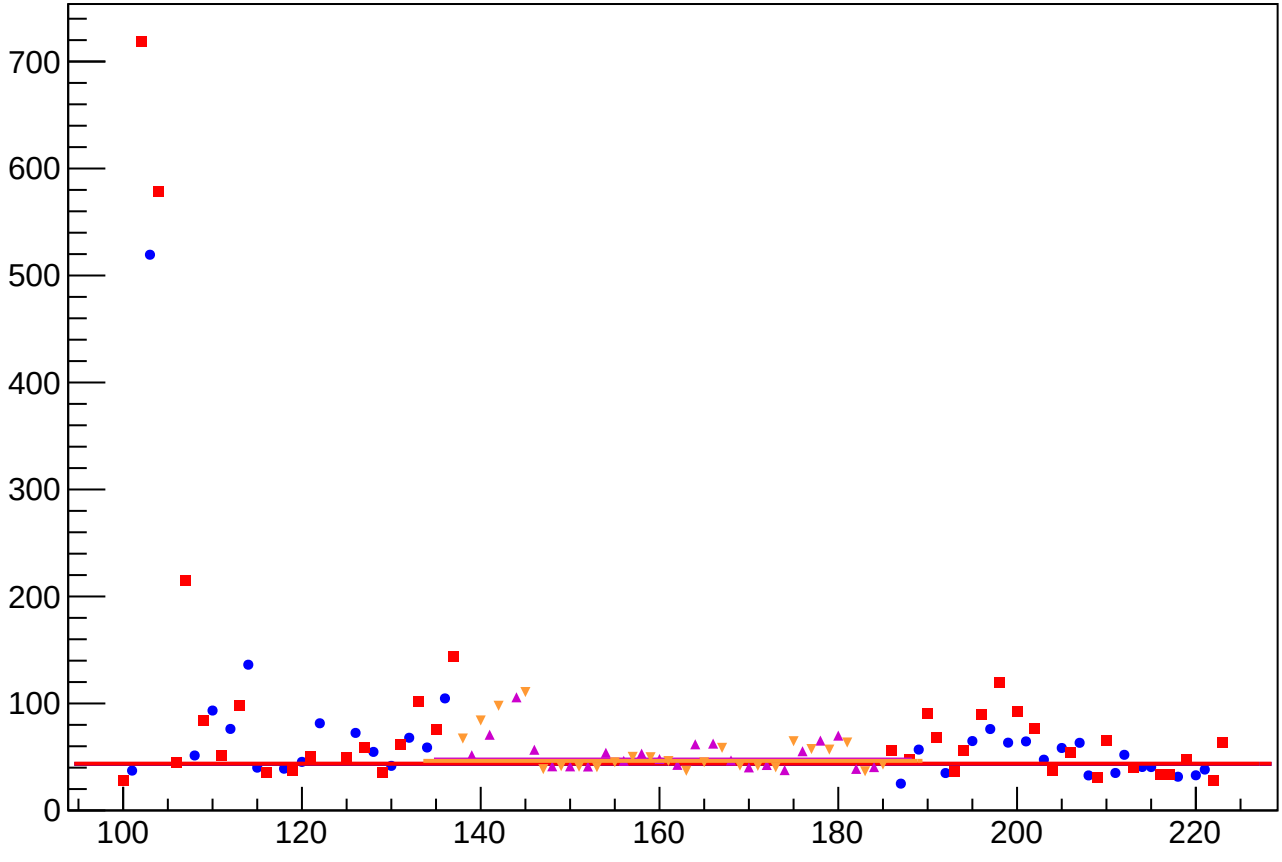
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.004+/-0.008 χ^2/NDF: 65.9/57

All: 0.004+/-0.006 χ^2/NDF: 114.1/118

\- sign 0.013+/-0.008 χ^2/NDF: 46.1/60

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.450+/-0.008 χ^2/NDF: 4324066.9/33

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

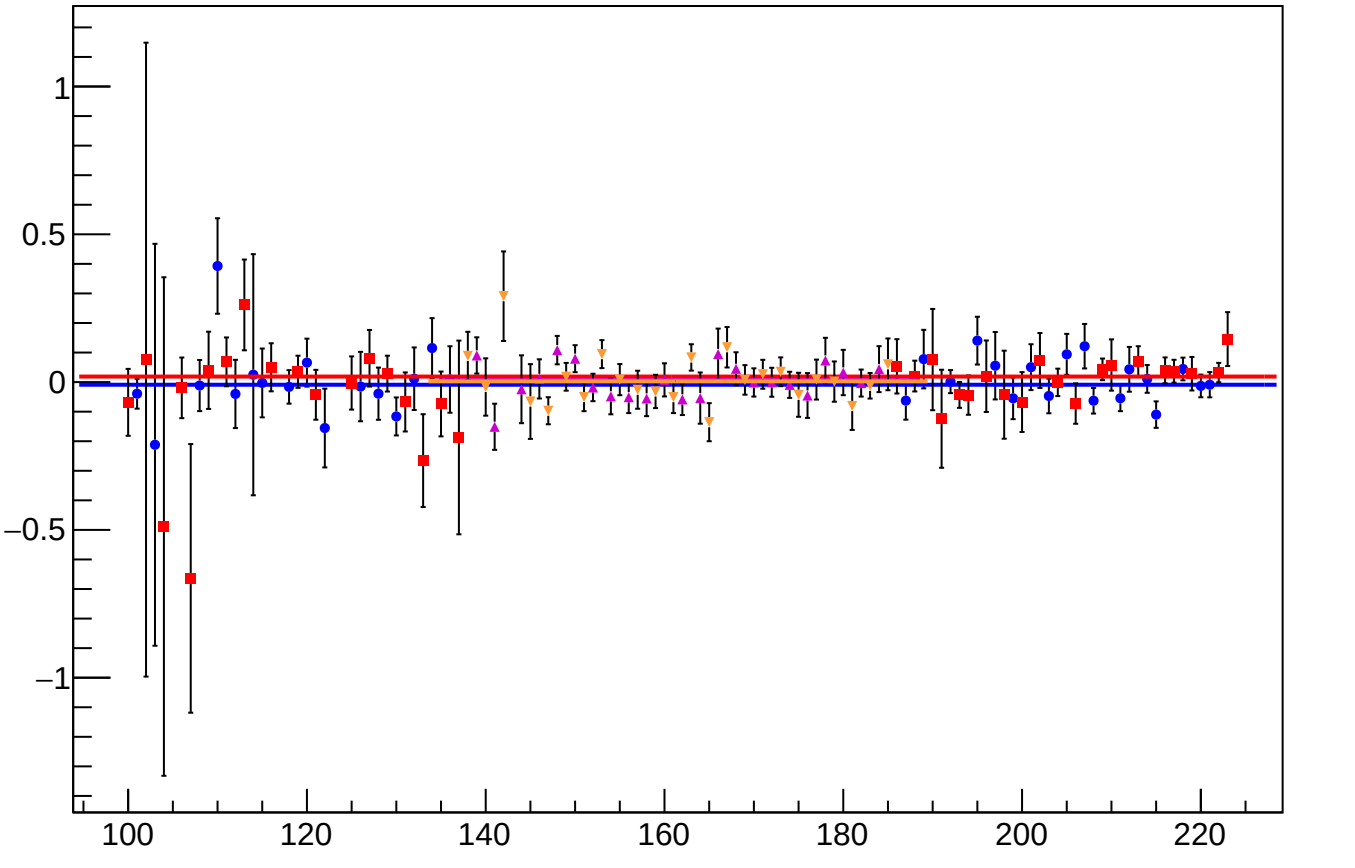
Right Out: 43.718+/-0.008 χ^2/NDF: 6384858.4/37

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 44.785+/-0.006 χ^2/NDF: 6356194.9/57

All: 45.134+/-0.004 χ^2/NDF: 14433704.6/118

- sign 45.500+/-0.006 χ^2/NDF: 8069818.0/60



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

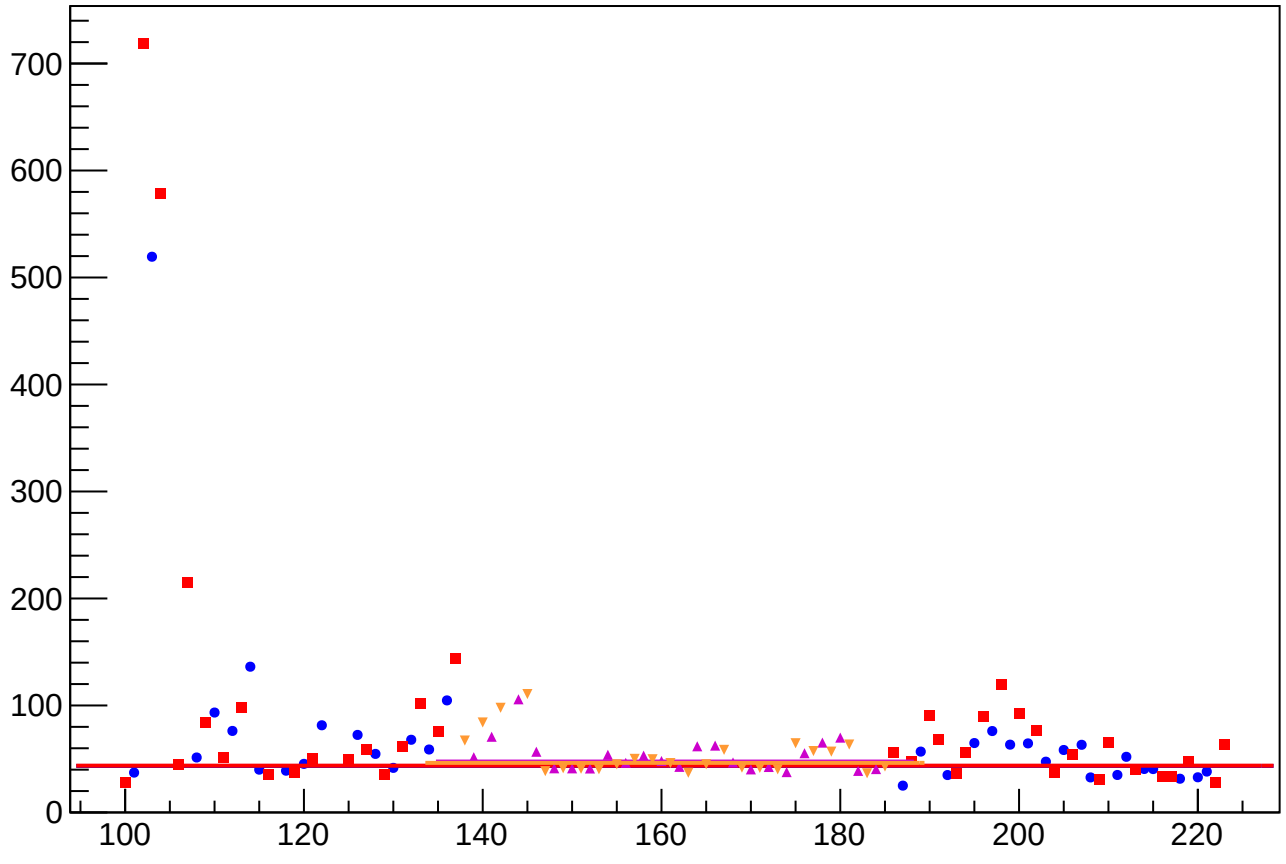
Right Out: 0.019+/-0.011 χ^2/NDF: 23.9/37

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.004+/-0.008 χ^2/NDF: 65.9/57

All: 0.004+/-0.006 χ^2/NDF: 114.1/118

- sign 0.013+/-0.008 χ^2/NDF: 46.1/60



Right In: 43.450+/-0.008 χ^2/NDF: 4324066.9/33

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

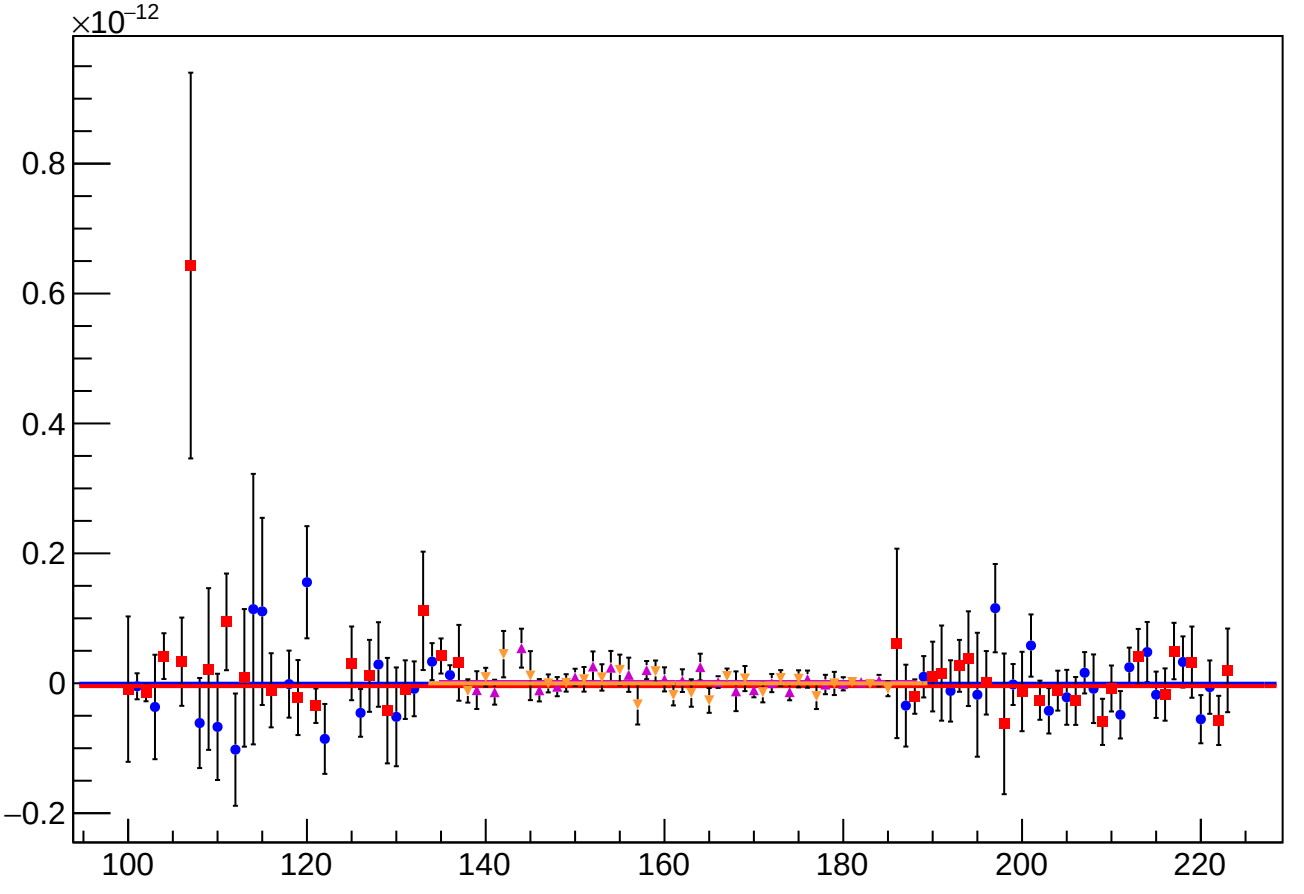
Right Out: 43.718+/-0.008 χ^2/NDF: 6384858.4/37

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 44.785+/-0.006 χ^2/NDF: 6356194.9/57

All: 45.134+/-0.004 χ^2/NDF: 14433704.6/118

- sign 45.500+/-0.006 χ^2/NDF: 8069818.0/60



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

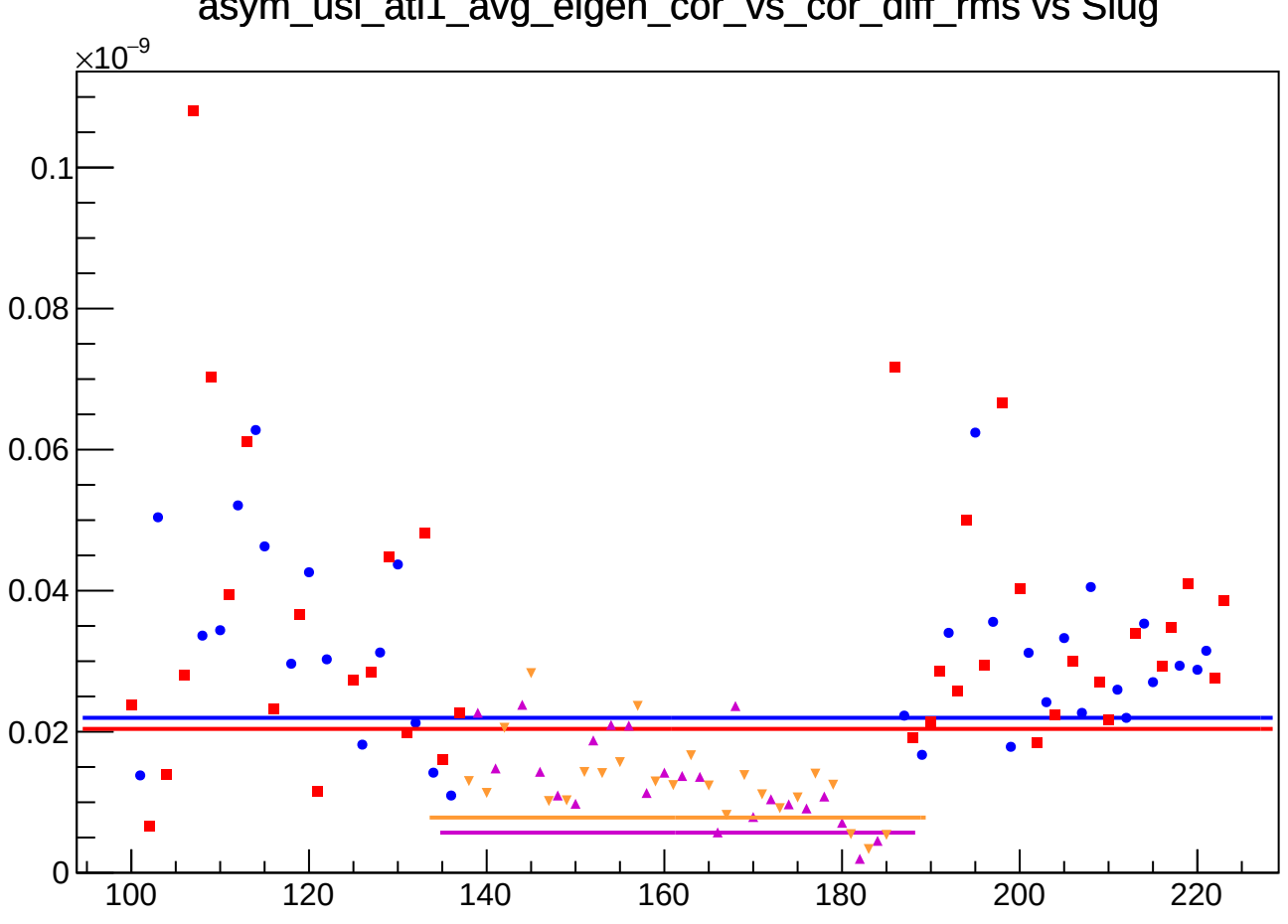
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/37

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/57

All: 0.000+/-0.000 χ^2/NDF: 82.8/118

- sign 0.000+/-0.000 χ^2/NDF: 41.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 4299791.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6690044.2/37

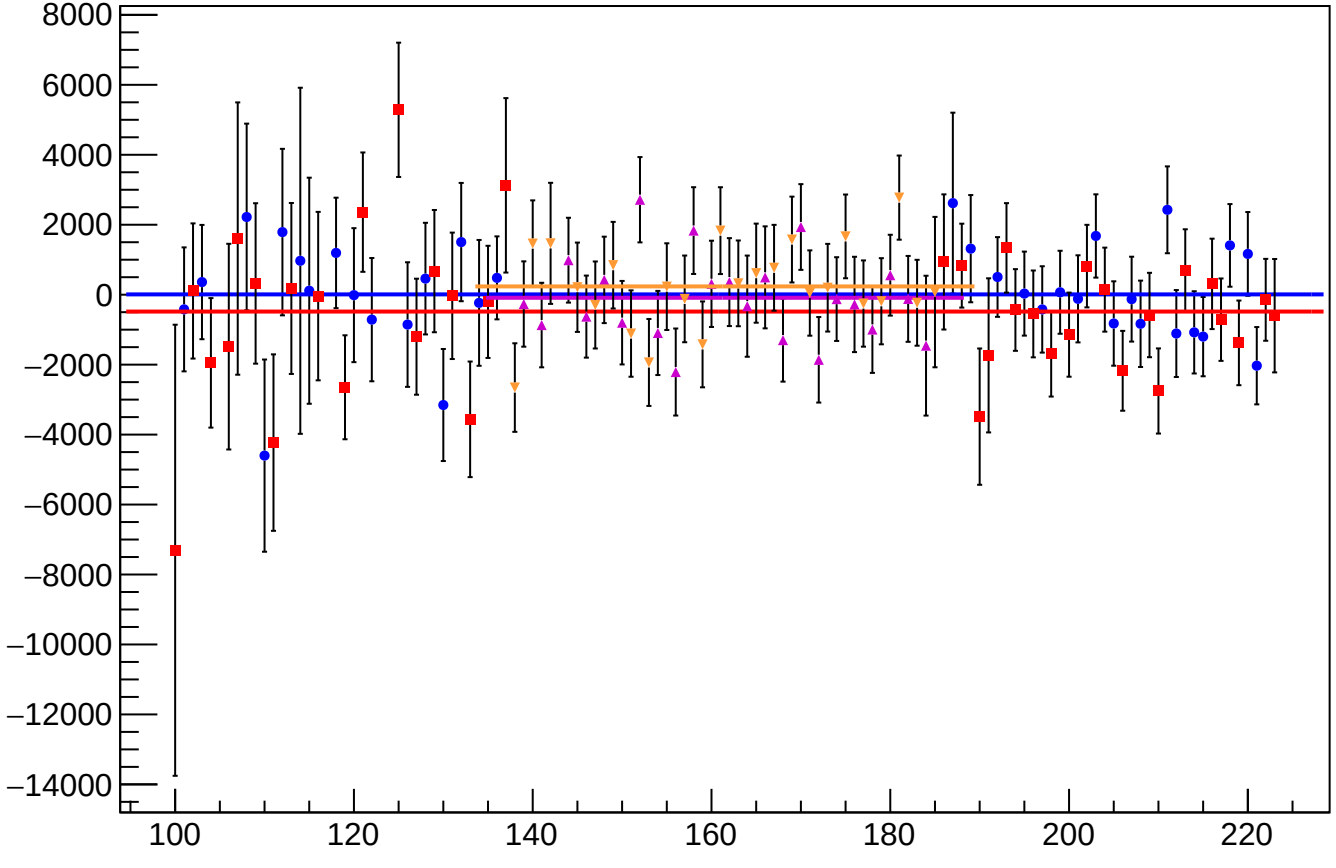
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 18592415.0/57

All: 0.000+/-0.000 χ^2/NDF: 47002730.7/118

- sign 0.000+/-0.000 χ^2/NDF: 27088334.7/60

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 8.523+/-245.799 χ^2/NDF: 27.4/33

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -482.091+/-245.471 χ^2/NDF: 41.9/37

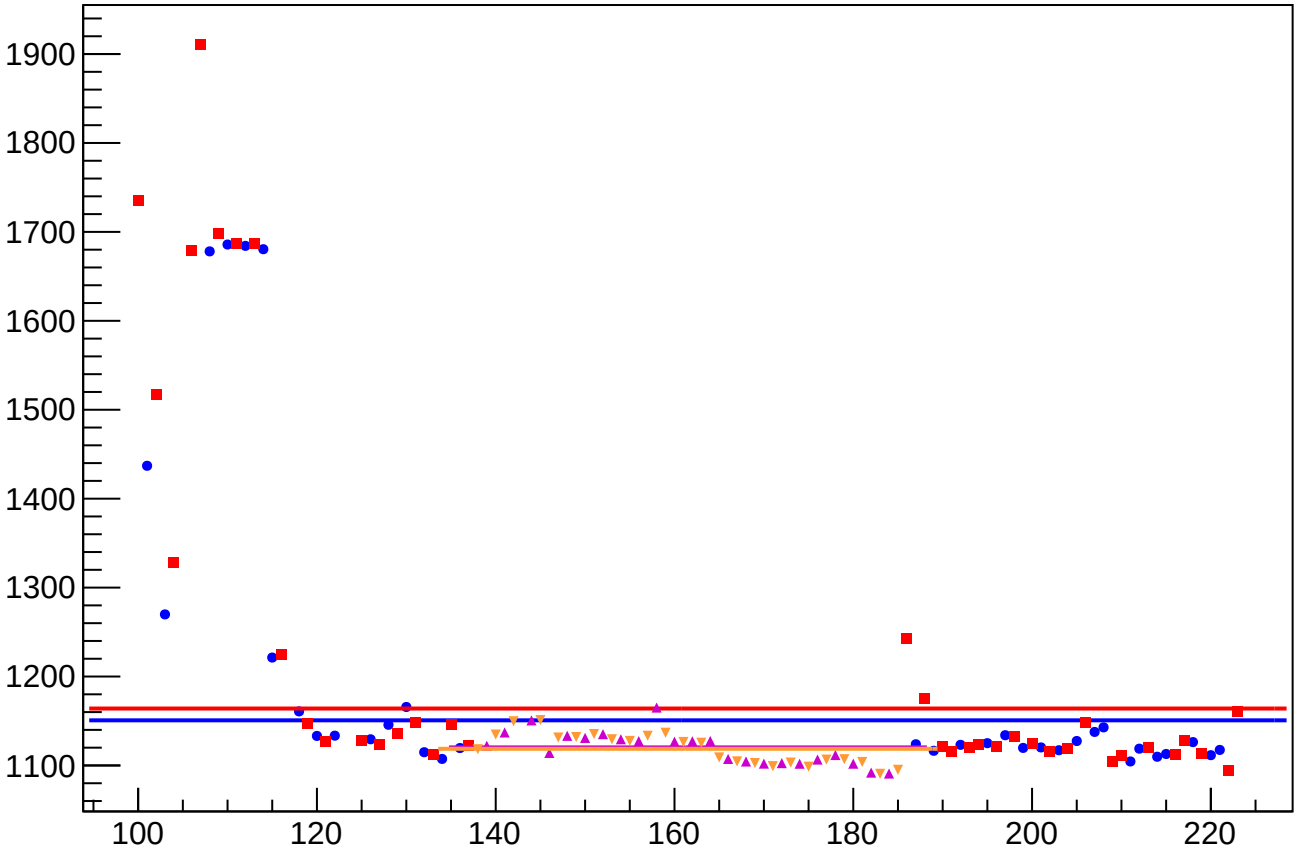
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 116.308+/-178.508 χ^2/NDF: 50.6/57

All: -90.143+/-126.400 χ^2/NDF: 117.2/118

- sign -297.748+/-179.006 χ^2/NDF: 63.9/60

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.2/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1164.016+/-0.174 χ^2/NDF: 576249.7/37

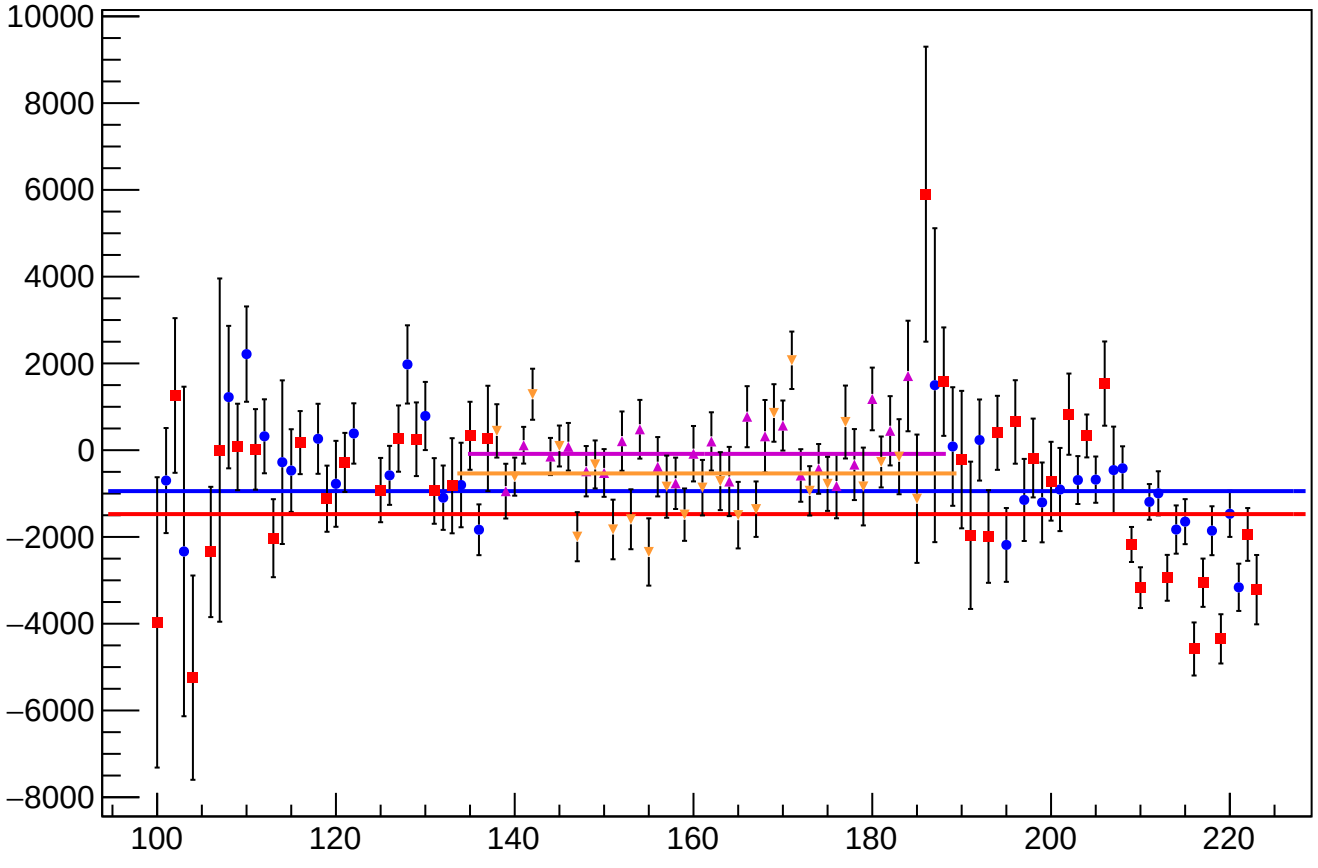
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1135.618+/-0.126 χ^2/NDF: 392135.2/57

All: 1139.574+/-0.089 χ^2/NDF: 1009522.3/11

- sign 1143.551+/-0.127 χ^2/NDF: 615417.8/60

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -943.660+/-123.922 χ^2/NDF: 68.2/33

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -1473.561+/-127.935 χ^2/NDF: 179.5/37

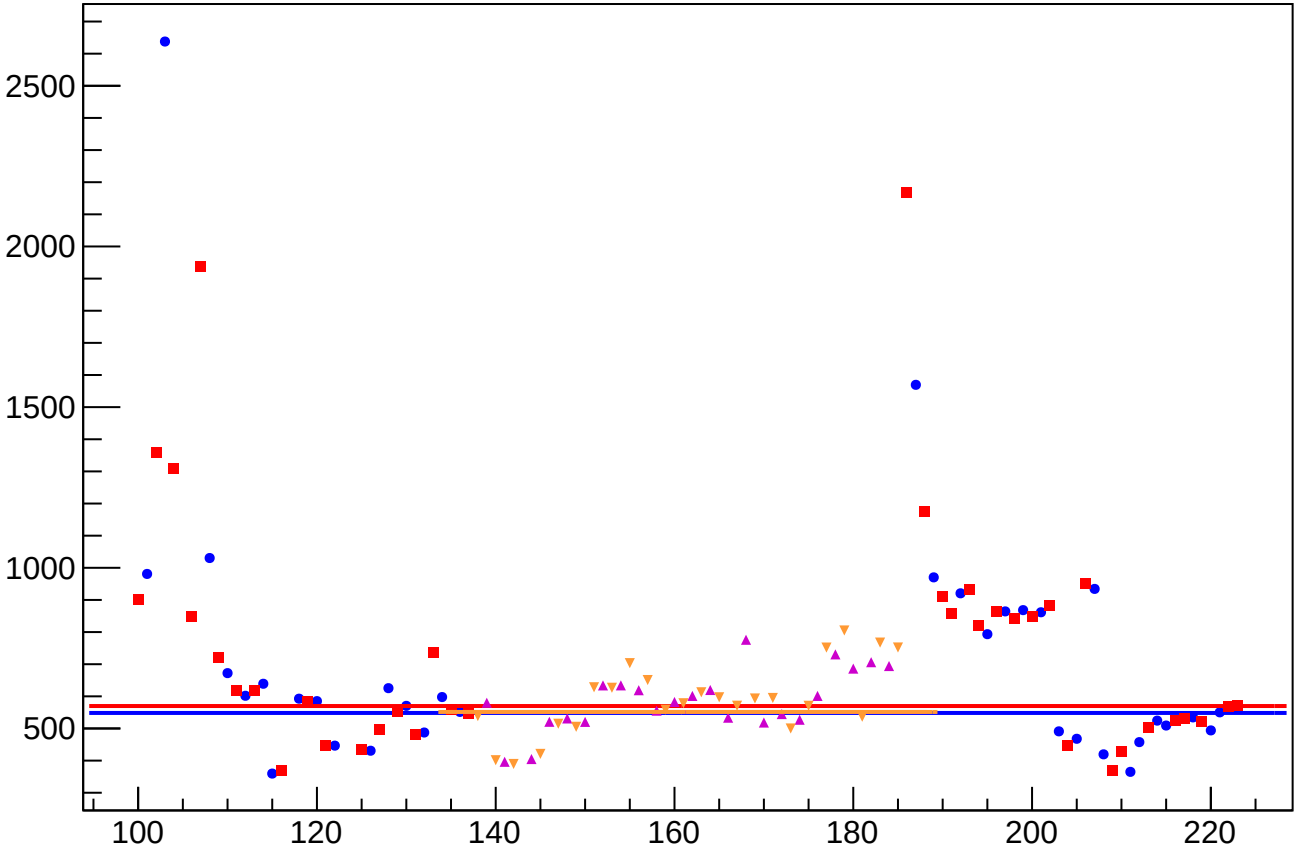
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -750.542+/-89.909 χ^2/NDF: 134.9/57

All: -772.701+/-64.136 χ^2/NDF: 389.1/118

- sign -795.659+/-91.516 χ^2/NDF: 254.1/60

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 548.324+/-0.088 χ^2/NDF: 3799305.9/33

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 569.846+/-0.090 χ^2/NDF: 4773471.9/37

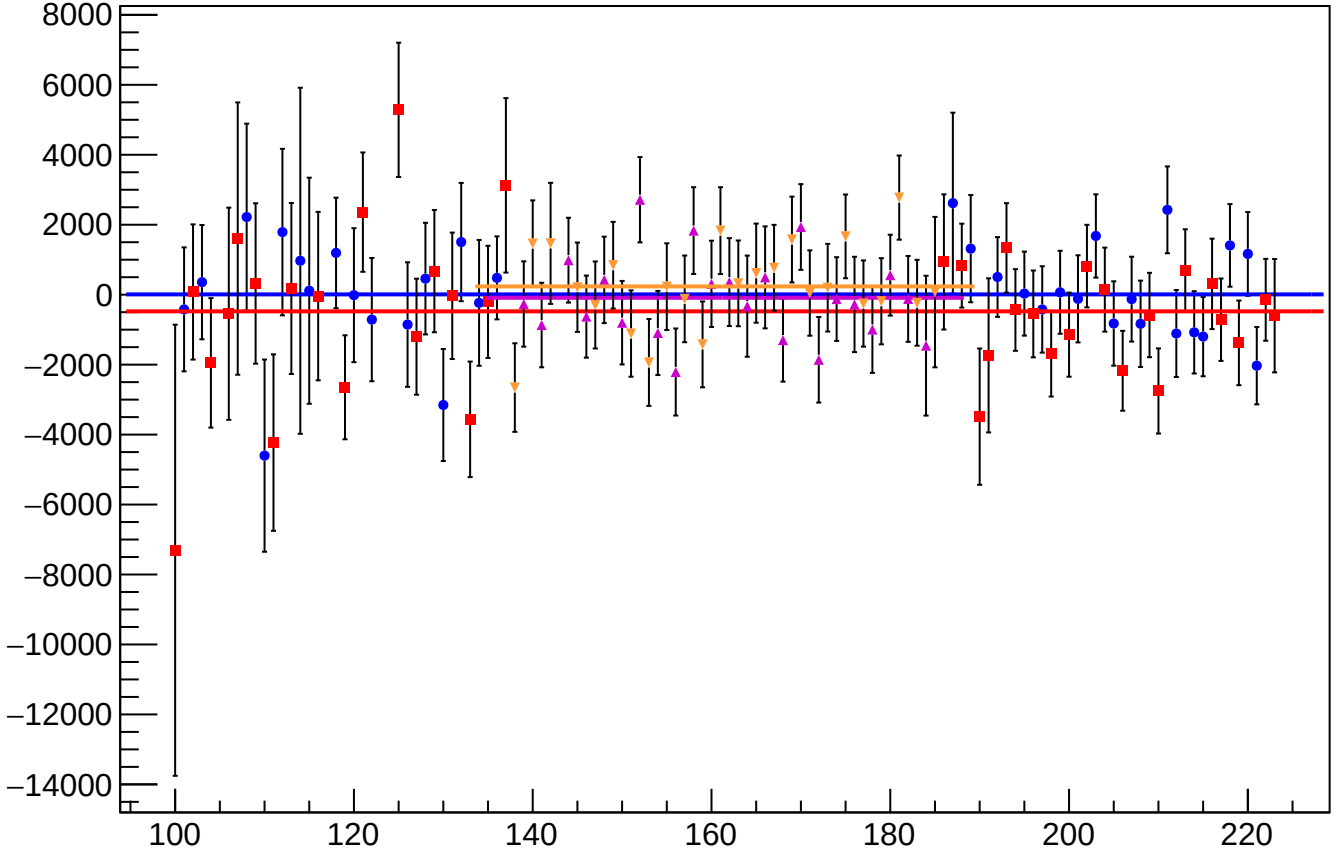
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 549.800+/-0.064 χ^2/NDF: 5026521.2/57

All: 555.206+/-0.045 χ^2/NDF: 10896925.4/11

- sign 560.808+/-0.065 χ^2/NDF: 5855679.2/60

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 8.426+/-245.799 χ^2/NDF: 27.4/33

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -475.984+/-245.523 χ^2/NDF: 41.7/37

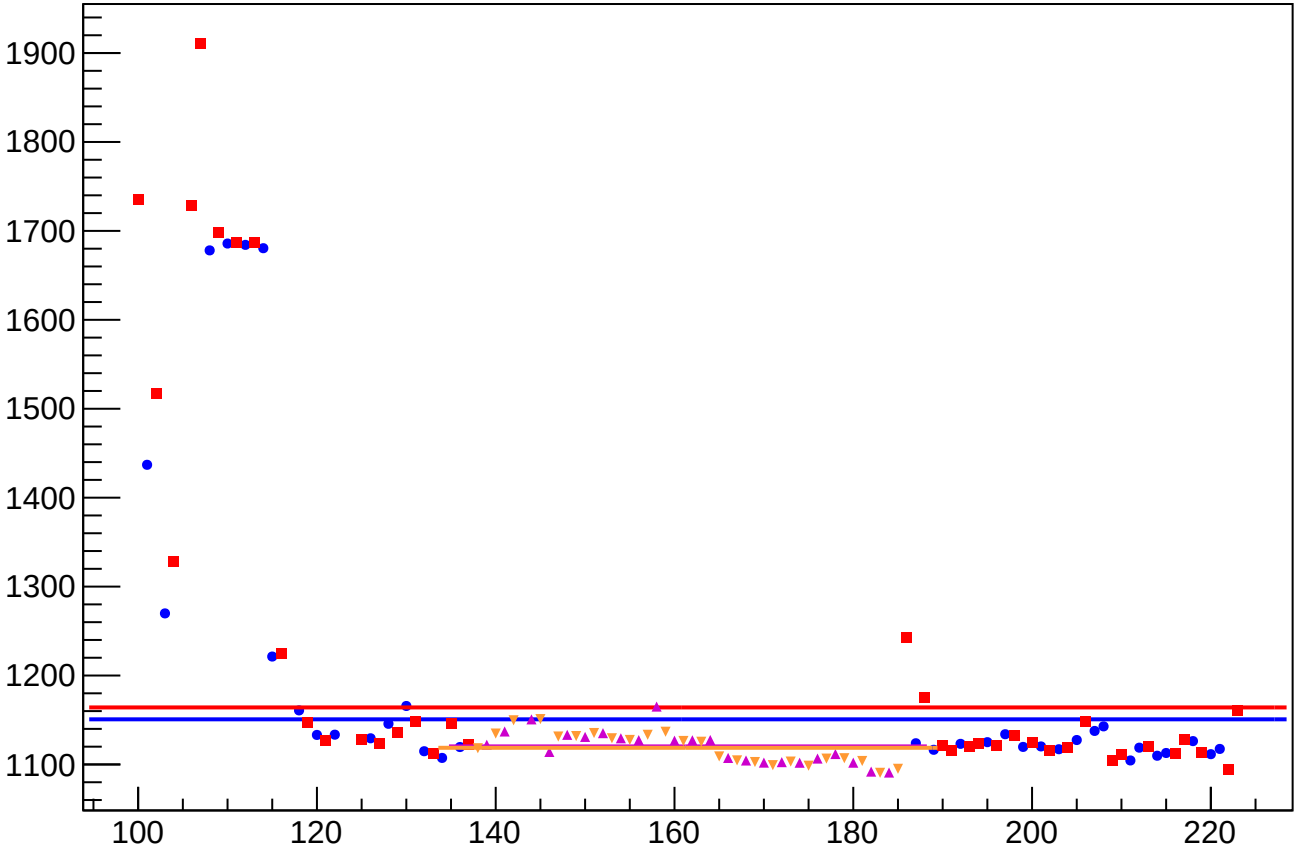
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 116.277+/-178.508 χ^2/NDF: 50.6/57

All: -88.494+/-126.407 χ^2/NDF: 117.0/118

- sign -294.454+/-179.026 χ^2/NDF: 63.8/60

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.3/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1164.128+/-0.174 χ^2/NDF: 584302.9/37

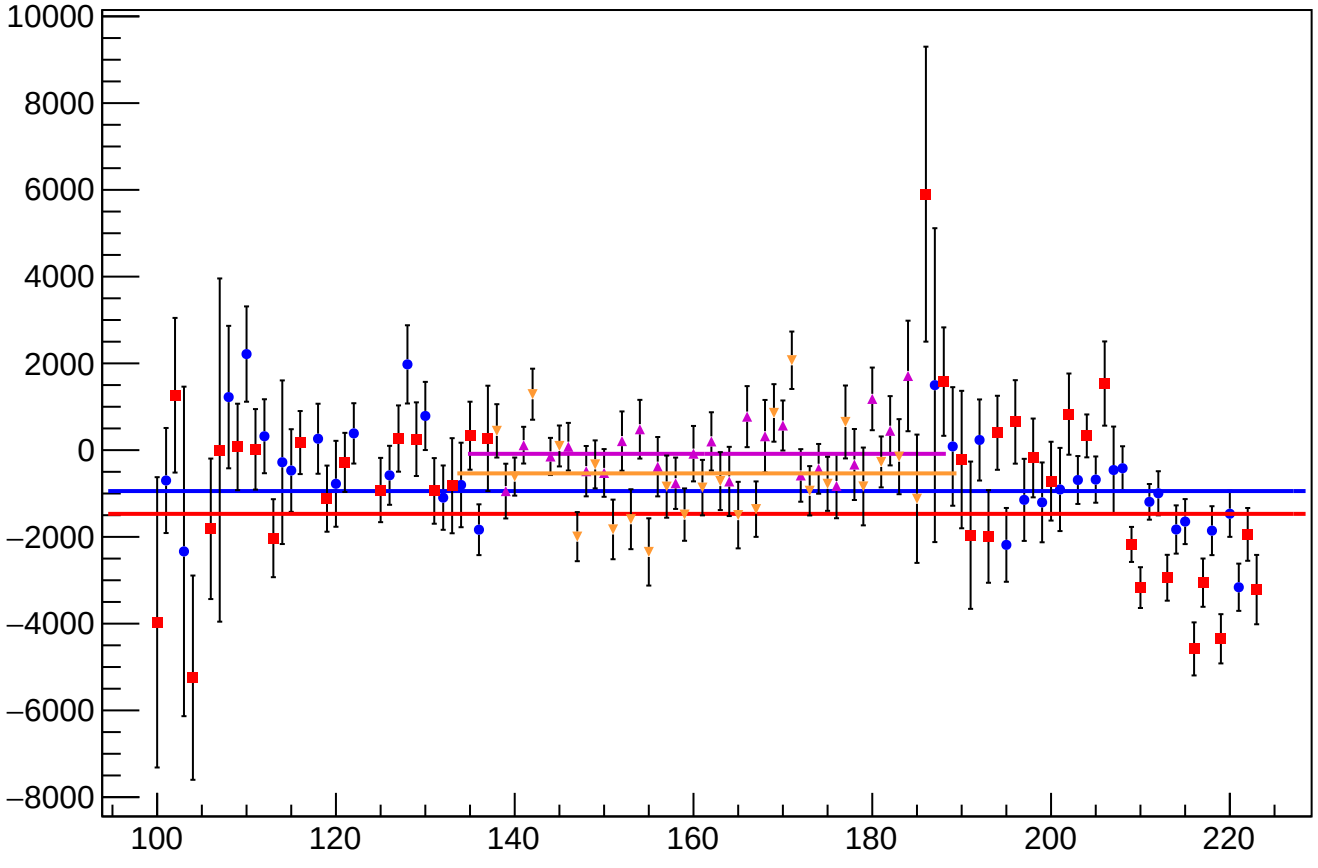
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1135.618+/-0.126 χ^2/NDF: 392135.3/57

All: 1139.601+/-0.089 χ^2/NDF: 1017749.7/11

- sign 1143.606+/-0.127 χ^2/NDF: 623617.9/60

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -943.646+/-123.922 χ^2/NDF: 68.2/33

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -1469.314+/-127.999 χ^2/NDF: 179.2/37

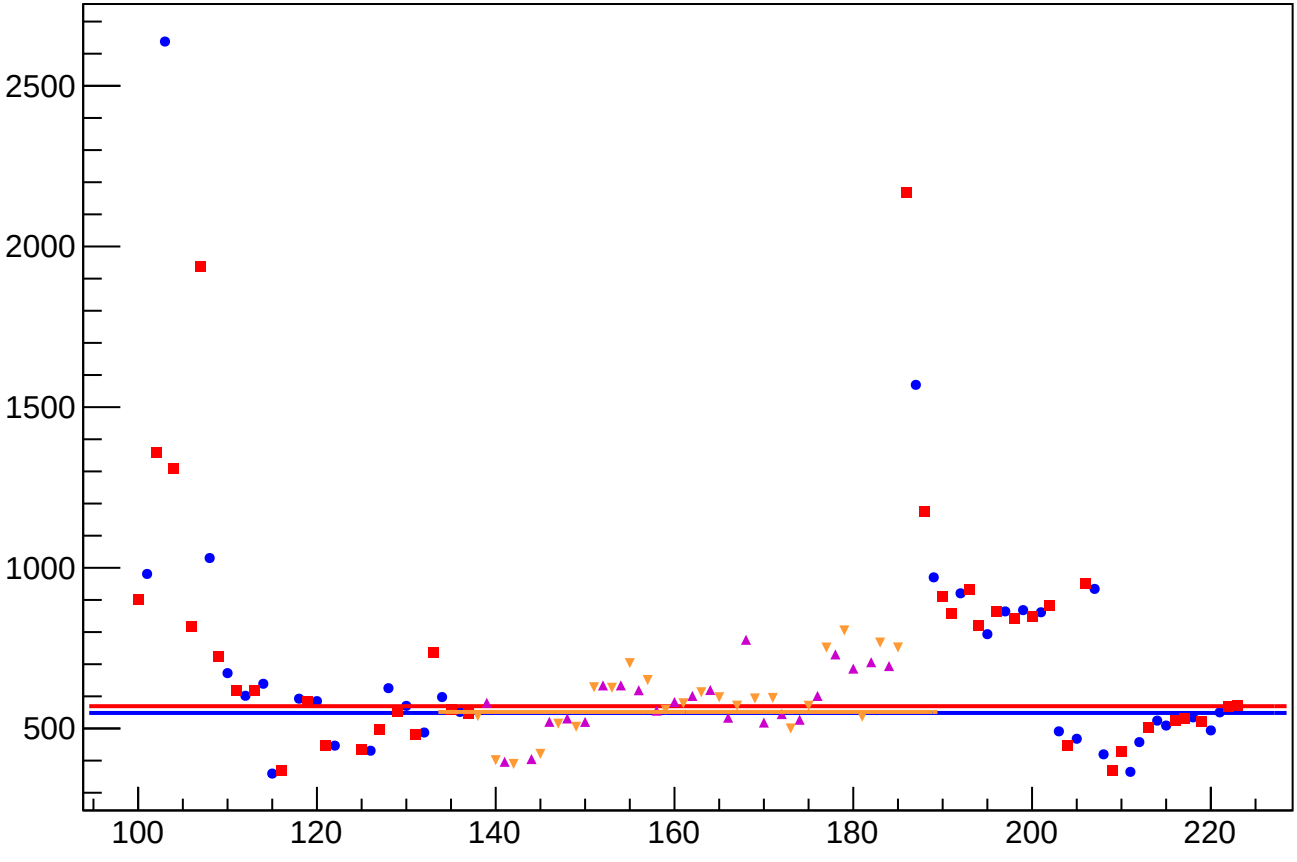
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -750.549+/-89.909 χ^2/NDF: 134.9/57

All: -771.458+/-64.144 χ^2/NDF: 388.5/118

- sign -793.132+/-91.540 χ^2/NDF: 253.4/60

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 548.322+/-0.088 χ^2/NDF: 3799281.1/33

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.365+/-0.091 χ^2/NDF: 4751826.4/37

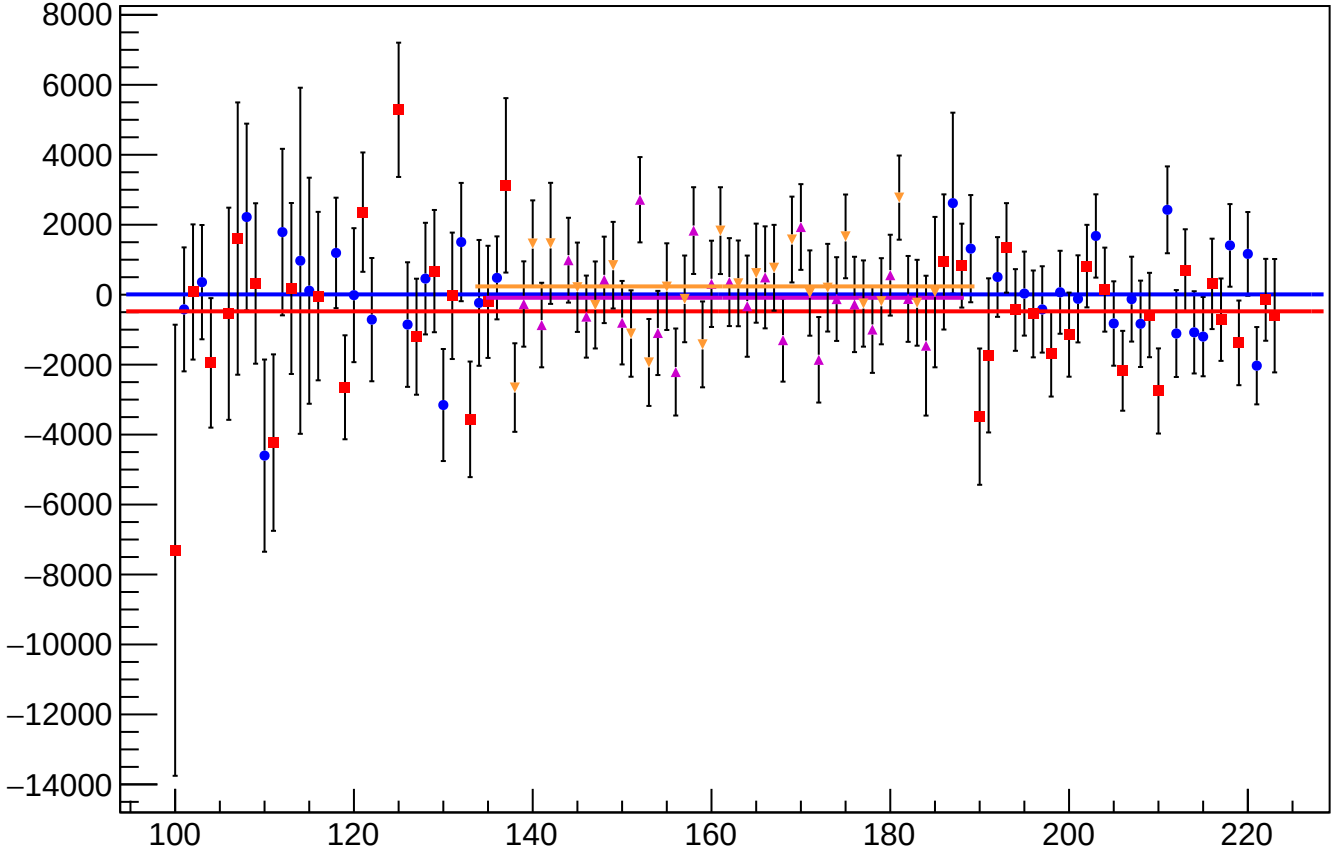
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 549.798+/-0.064 χ^2/NDF: 5026512.7/57

All: 555.081+/-0.045 χ^2/NDF: 10873517.2/11

- sign 560.557+/-0.065 χ^2/NDF: 5832944.0/60

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 8.426+/-245.799 χ^2/NDF: 27.4/33

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -475.984+/-245.523 χ^2/NDF: 41.7/37

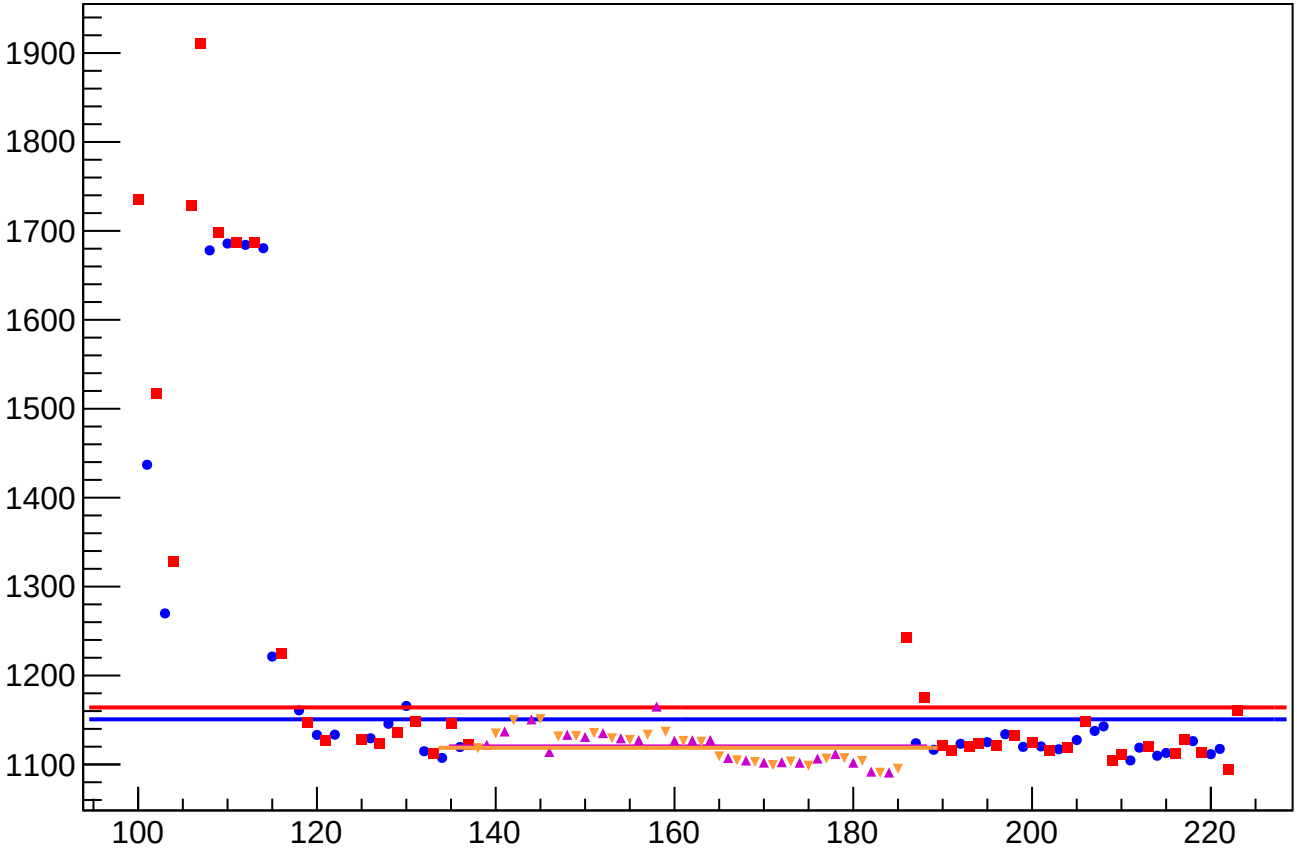
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 116.277+/-178.508 χ^2/NDF: 50.6/57

All: -88.494+/-126.407 χ^2/NDF: 117.0/118

- sign -294.454+/-179.026 χ^2/NDF: 63.8/60

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.3/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

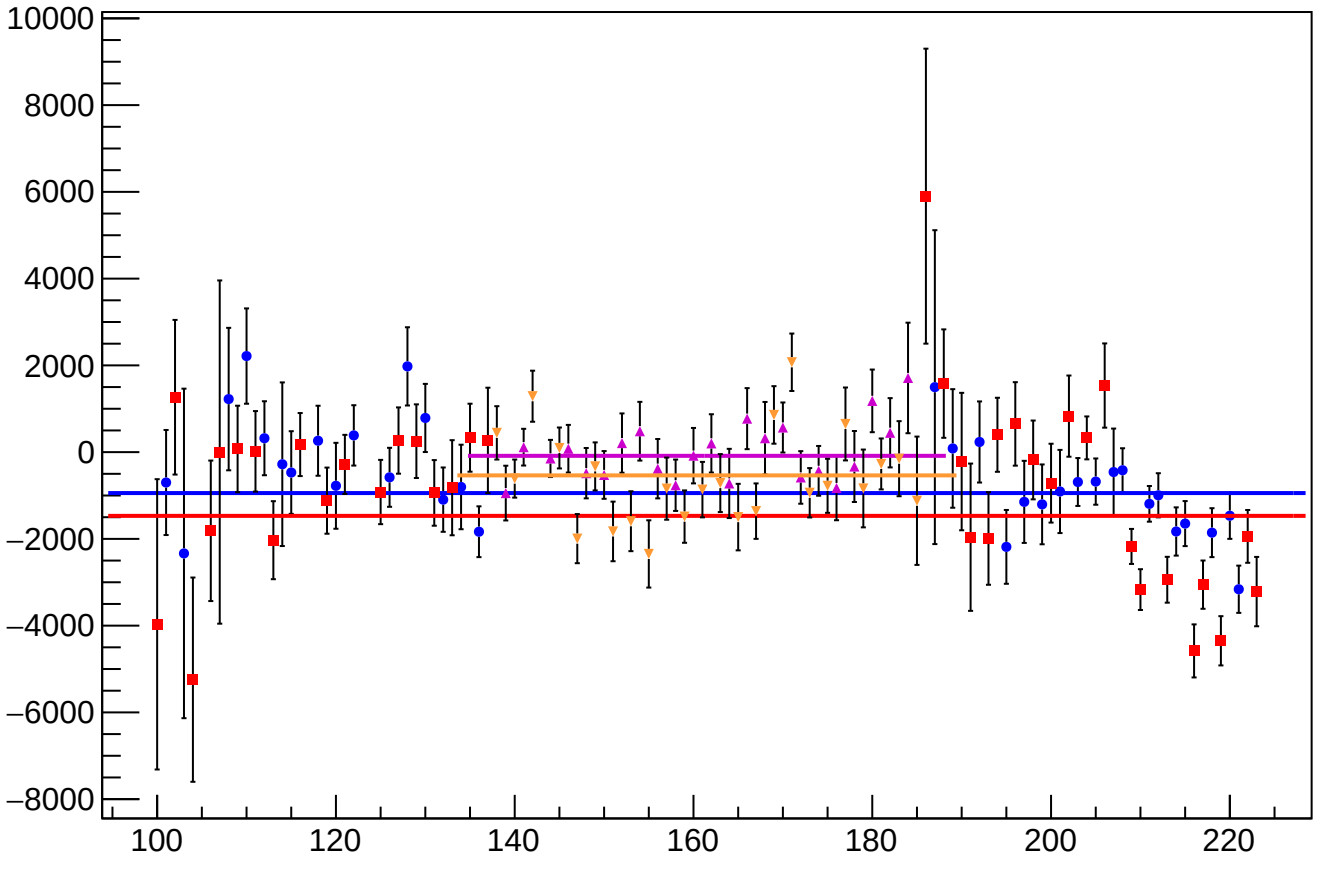
Right Out: 1164.128+/-0.174 χ^2/NDF: 584302.9/37

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1135.618+/-0.126 χ^2/NDF: 392135.3/57

All: 1139.601+/-0.089 χ^2/NDF: 1017749.7/11

- sign 1143.606+/-0.127 χ^2/NDF: 623617.9/60



Right In: -943.646+/-123.922 χ^2/NDF: 68.2/33

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

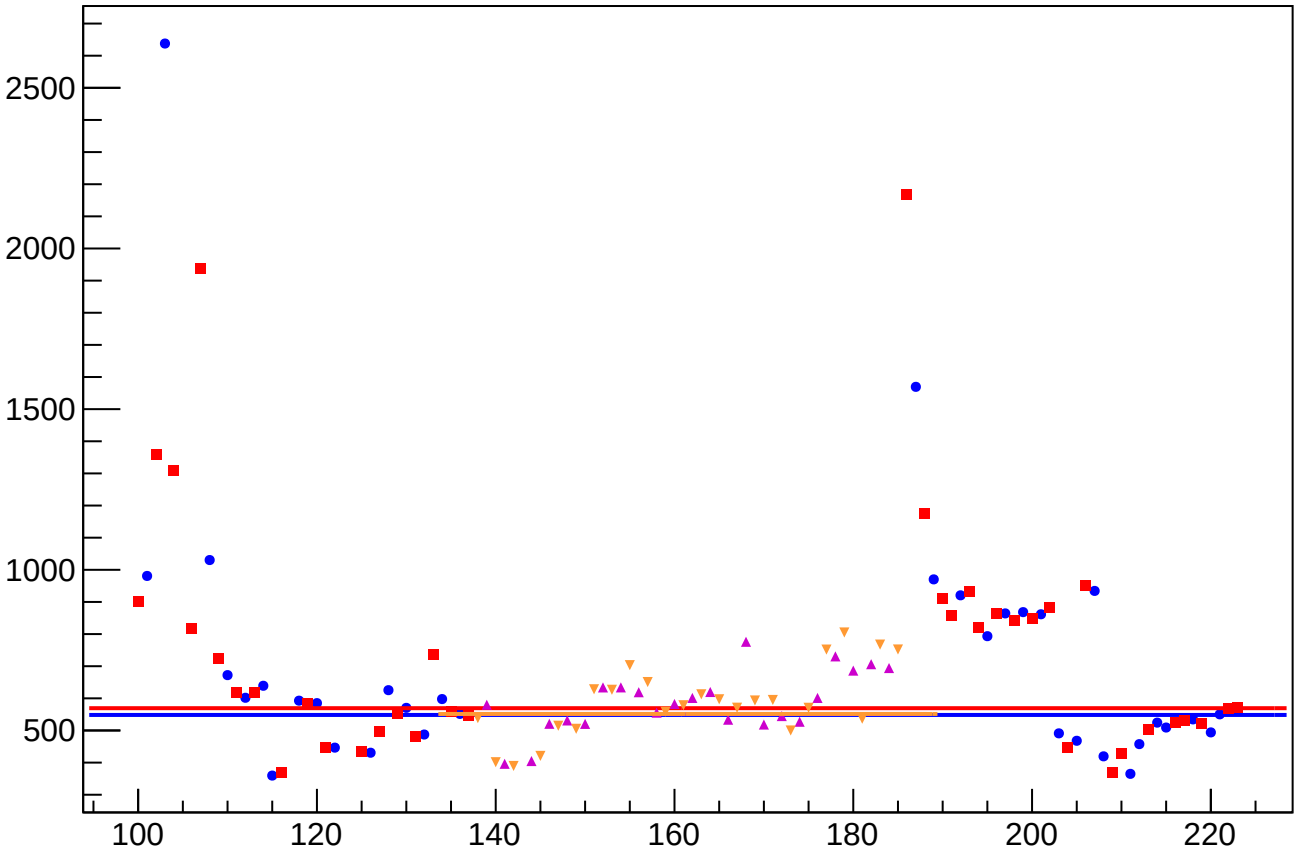
Right Out: -1469.314+/-127.999 χ^2/NDF: 179.2/37

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -750.549+/-89.909 χ^2/NDF: 134.9/57

All: -771.458+/-64.144 χ^2/NDF: 388.5/118

\- sign -793.132+/-91.540 χ^2/NDF: 253.4/60



Right In: 548.322+/-0.088 χ^2/NDF: 3799281.1/33

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.365+/-0.091 χ^2/NDF: 4751826.4/37

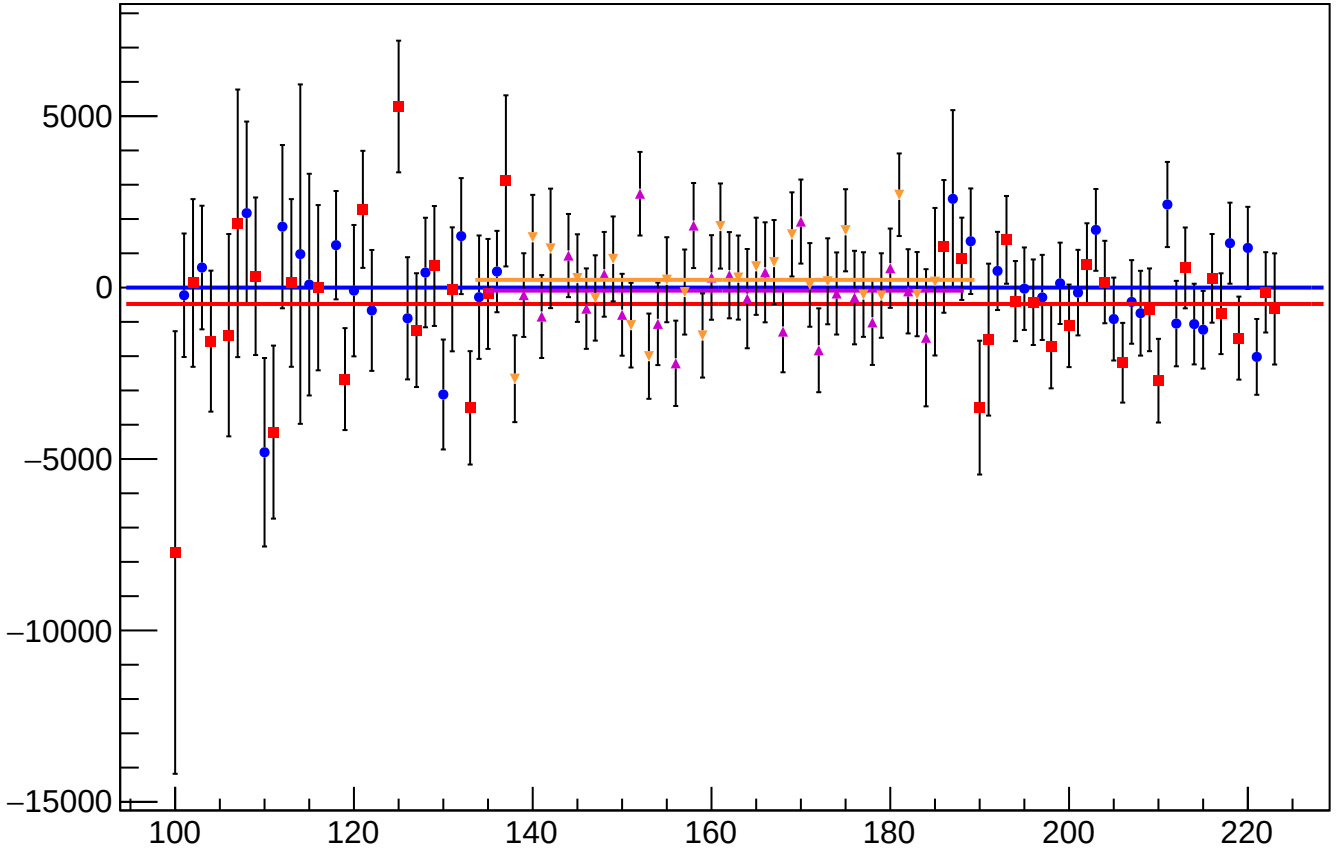
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 549.798+/-0.064 χ^2/NDF: 5026512.7/57

All: 555.081+/-0.045 χ^2/NDF: 10873517.2/11

- sign 560.557+/-0.065 χ^2/NDF: 5832944.0/60

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -0.158+/-246.722 χ^2/NDF: 27.3/33

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -477.559+/-247.205 χ^2/NDF: 41.1/37

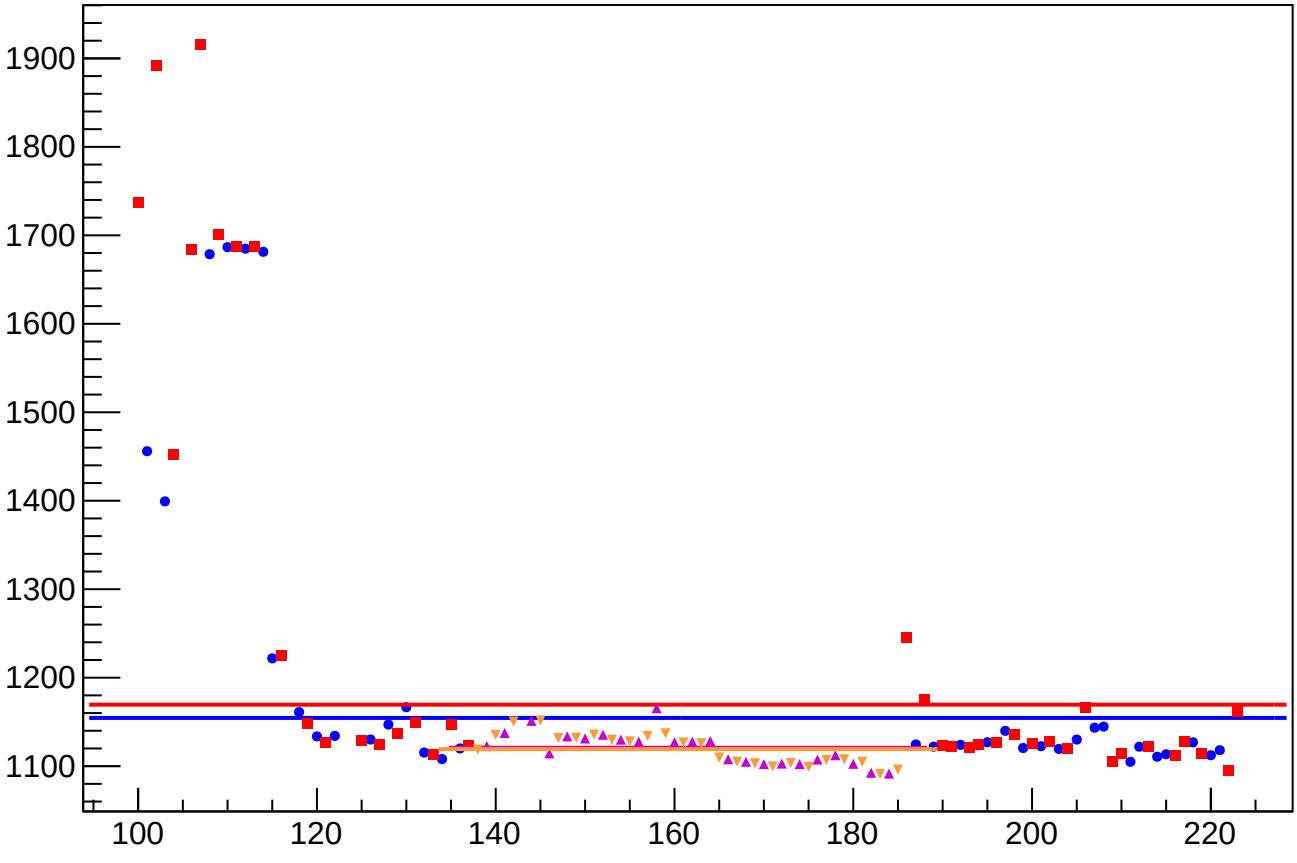
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

\+ sign 106.913+/-178.913 χ^2/NDF: 49.9/57

All: -92.843+/-126.792 χ^2/NDF: 115.3/118

\- sign -294.387+/-179.712 χ^2/NDF: 62.9/60

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.517+/-0.174 χ^2/NDF: 398224.9/33

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1169.494+/-0.175 χ^2/NDF: 707772.5/37

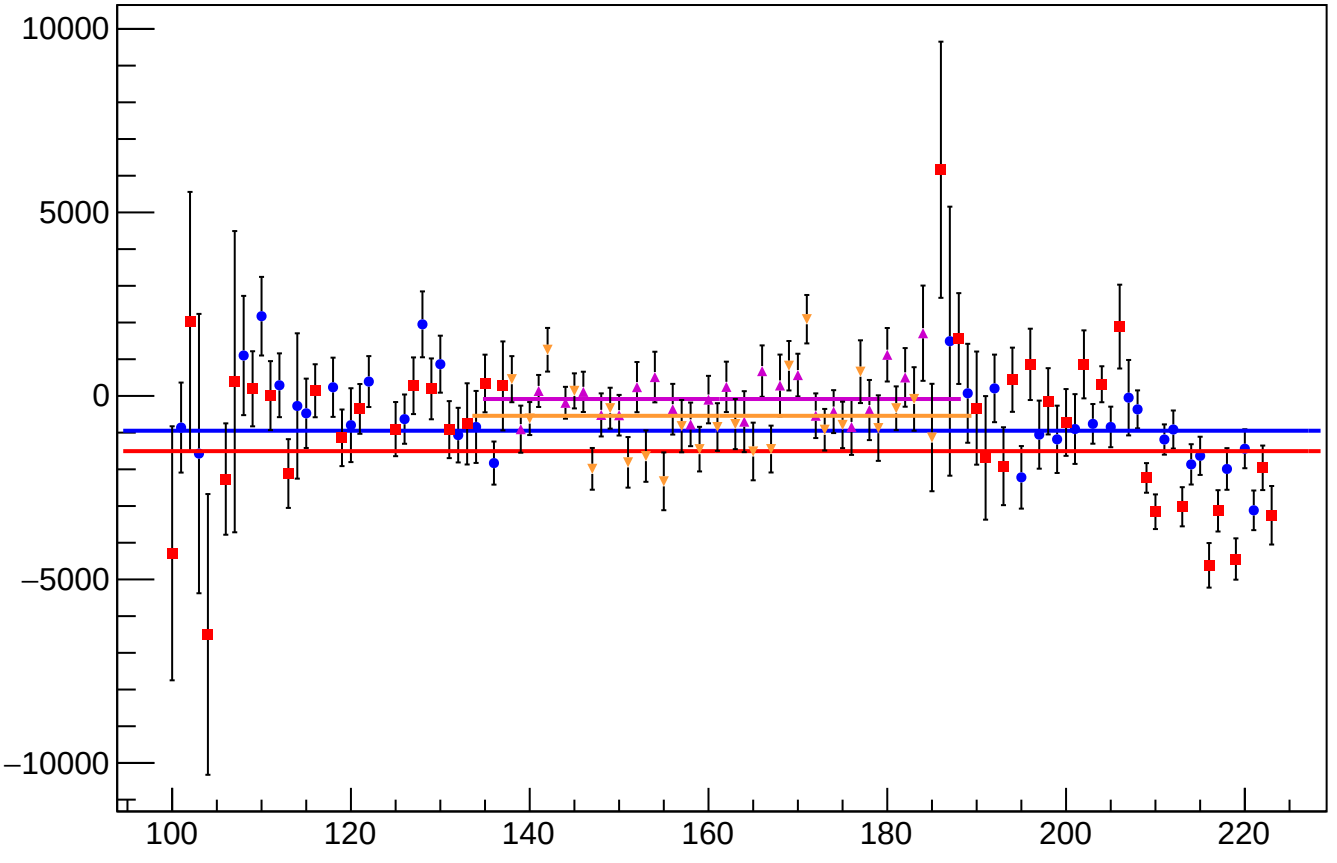
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1137.799+/-0.127 χ^2/NDF: 425735.5/57

All: 1142.147+/-0.090 χ^2/NDF: 1181896.6/11

- sign 1146.535+/-0.127 χ^2/NDF: 753788.0/60

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -948.350+/-124.159 χ^2/NDF: 69.1/33

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -1504.382+/-128.869 χ^2/NDF: 182.2/37

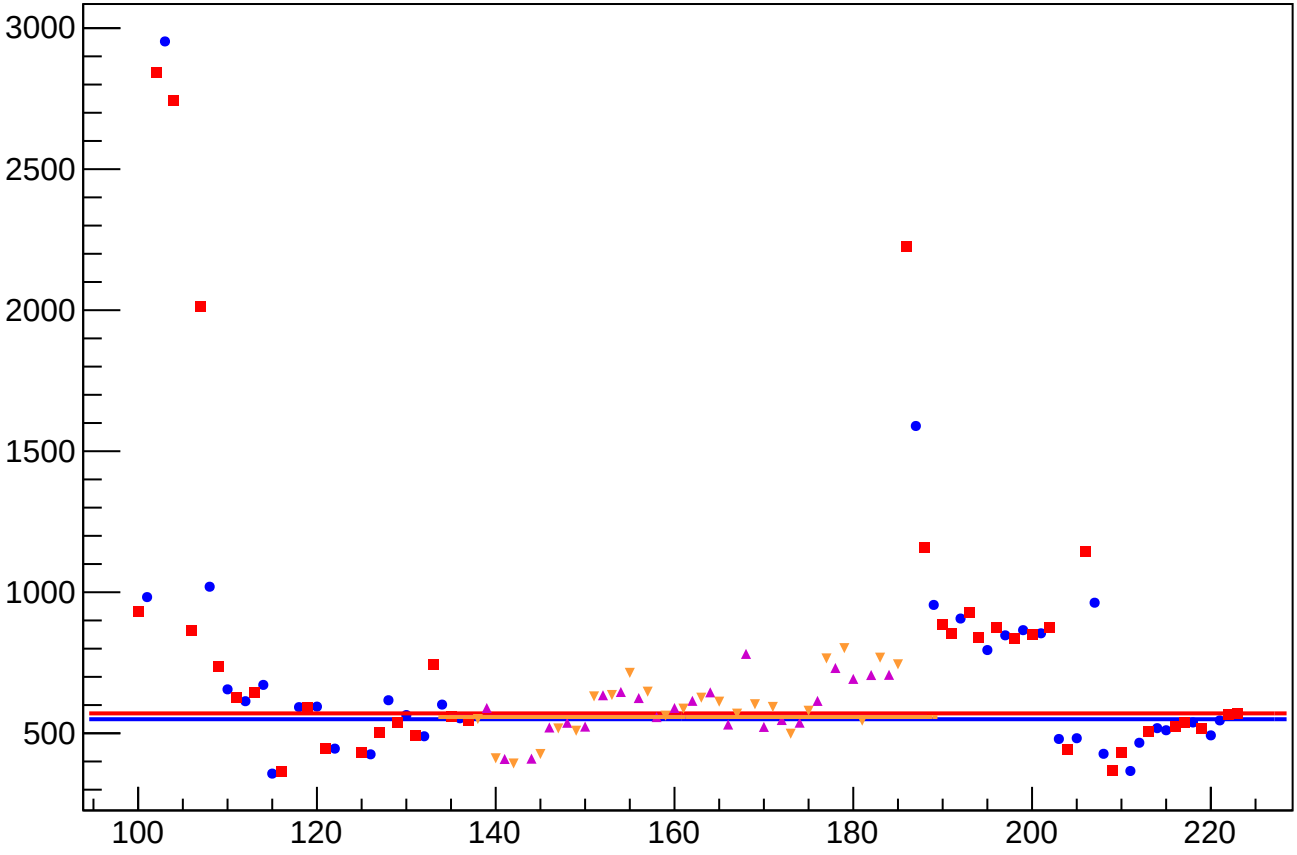
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

\+ sign -757.428+/-90.443 χ^2/NDF: 135.0/57

All: -785.224+/-64.633 χ^2/NDF: 392.9/118

\- sign -814.235+/-92.398 χ^2/NDF: 257.7/60

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 549.808+/-0.088 χ^2/NDF: 3934864.7/33

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 570.490+/-0.091 χ^2/NDF: 5888395.2/37

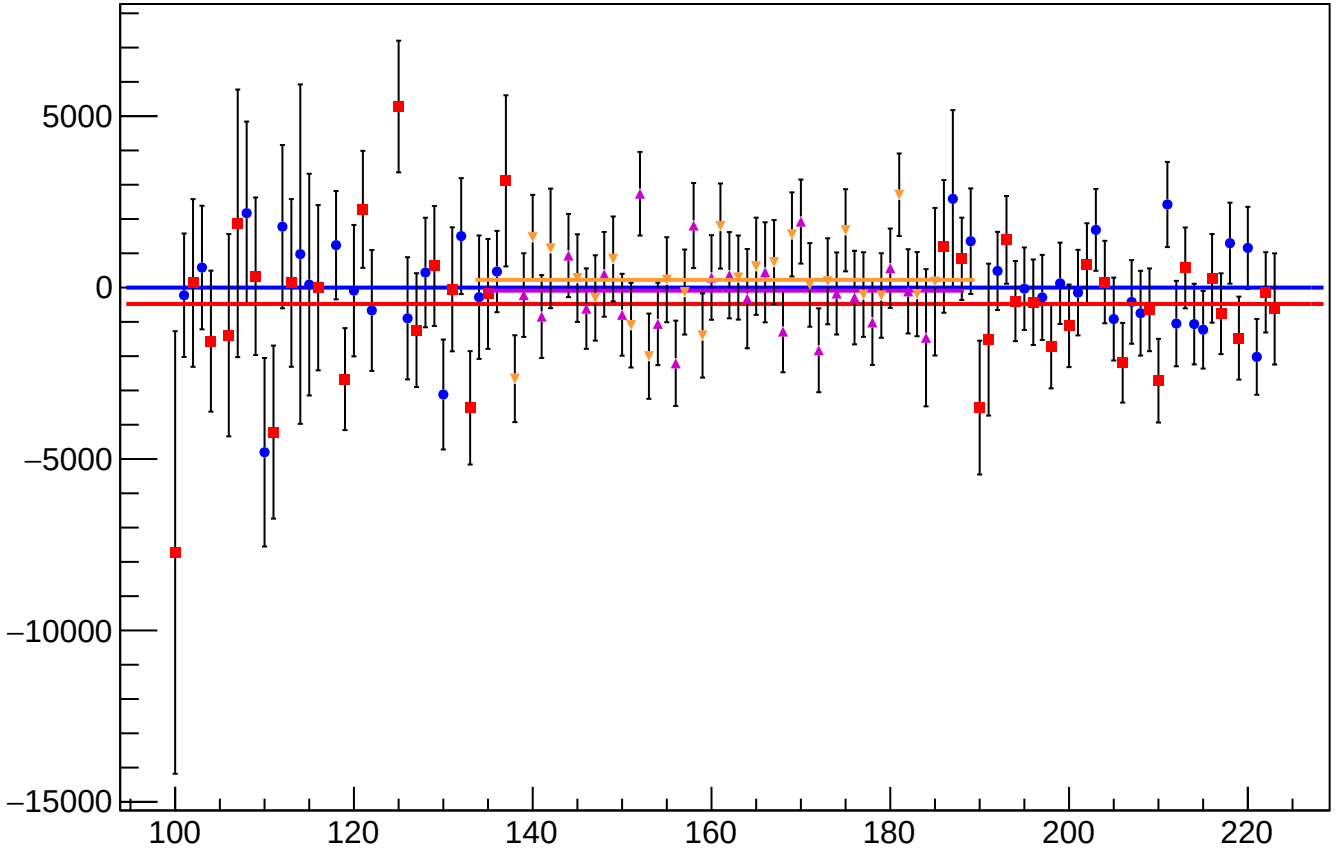
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 553.462+/-0.064 χ^2/NDF: 5131824.2/57

All: 558.917+/-0.046 χ^2/NDF: 12071472.2/11

- sign 564.612+/-0.065 χ^2/NDF: 6924773.6/60

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -0.157+/-246.722 χ^2/NDF: 27.3/33

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -477.558+/-247.205 χ^2/NDF: 41.1/37

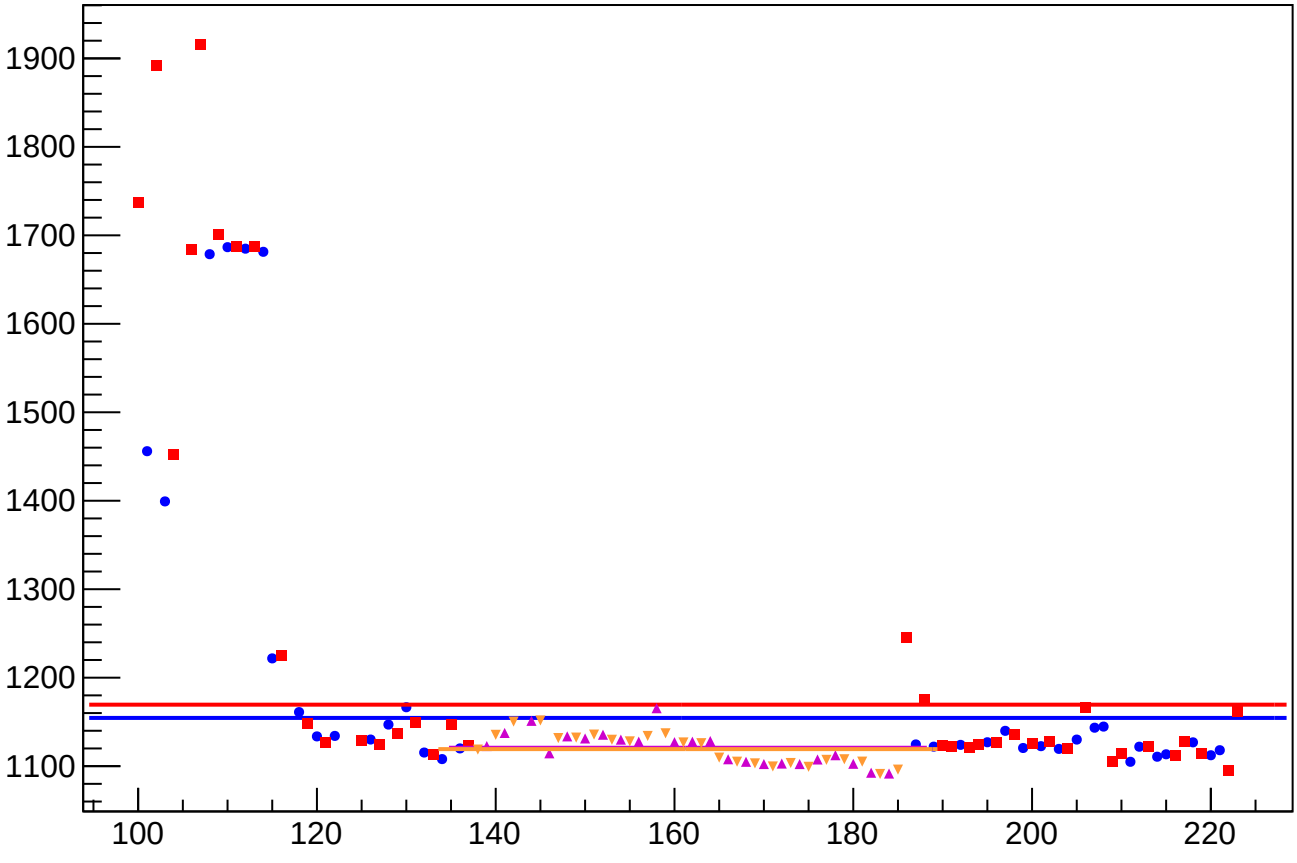
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 106.913+/-178.913 χ^2/NDF: 49.9/57

All: -92.843+/-126.792 χ^2/NDF: 115.3/118

- sign -294.387+/-179.712 χ^2/NDF: 62.9/60

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.517+/-0.174 χ^2/NDF: 398224.4/33

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1169.494+/-0.175 χ^2/NDF: 707771.7/37

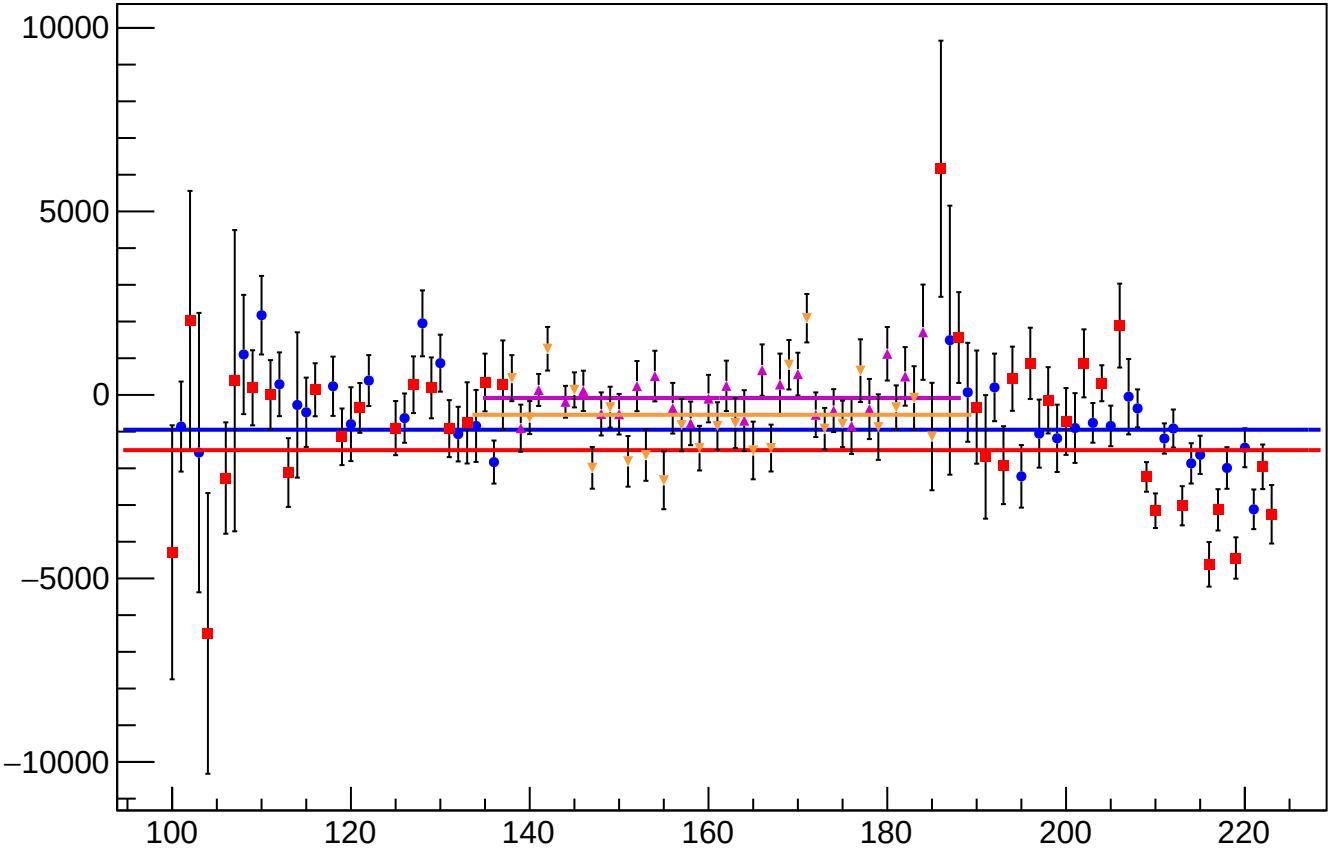
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1137.799+/-0.127 χ^2/NDF: 425735.0/57

All: 1142.147+/-0.090 χ^2/NDF: 1181895.4/11

- sign 1146.535+/-0.127 χ^2/NDF: 753787.3/60

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -948.349+/-124.159 χ^2/NDF: 69.1/33

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -1504.383+/-128.869 χ^2/NDF: 182.2/37

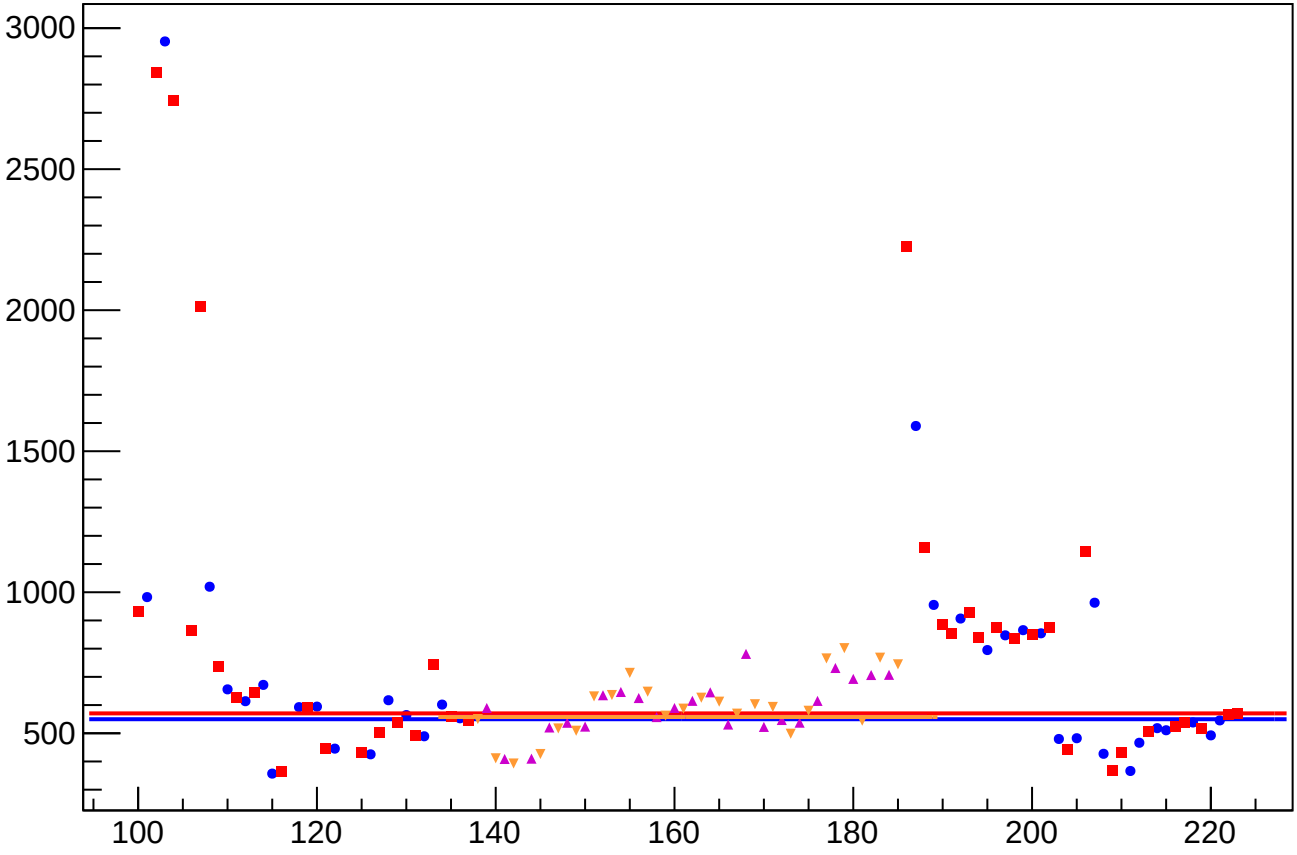
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -757.427+/-90.442 χ^2/NDF: 135.0/57

All: -785.223+/-64.633 χ^2/NDF: 392.9/118

- sign -814.235+/-92.398 χ^2/NDF: 257.7/60

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 549.808+/-0.088 χ^2/NDF: 3934867.9/33

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 570.490+/-0.091 χ^2/NDF: 5888403.6/37

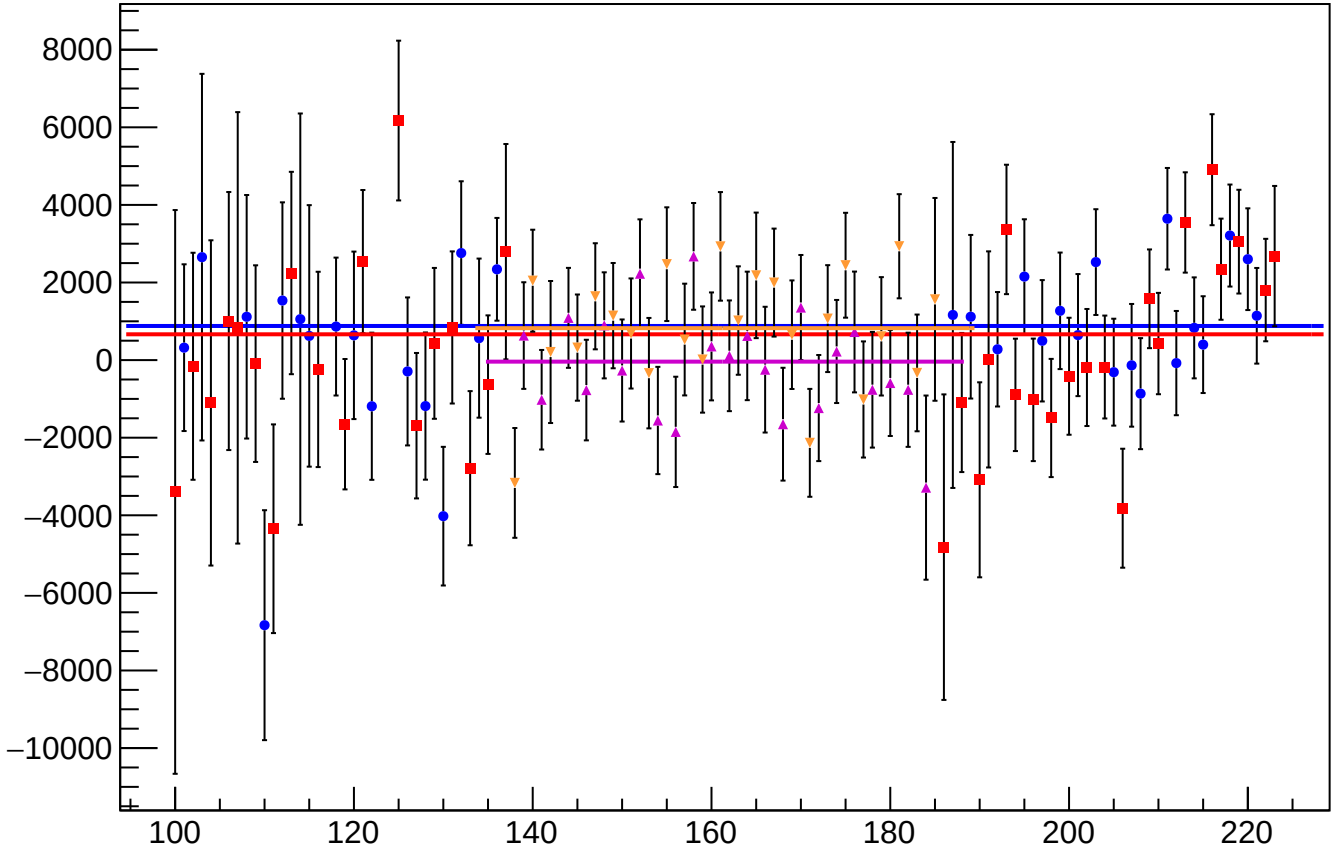
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 553.461+/-0.064 χ^2/NDF: 5131848.2/57

All: 558.917+/-0.046 χ^2/NDF: 12071519.6/11

- sign 564.611+/-0.065 χ^2/NDF: 6924796.9/60

asym_usl_atl1_dd_mean vs Slug



Right In: 879.720+/-287.208 χ^2/NDF: 34.8/33

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 665.050+/-290.777 χ^2/NDF: 63.5/37

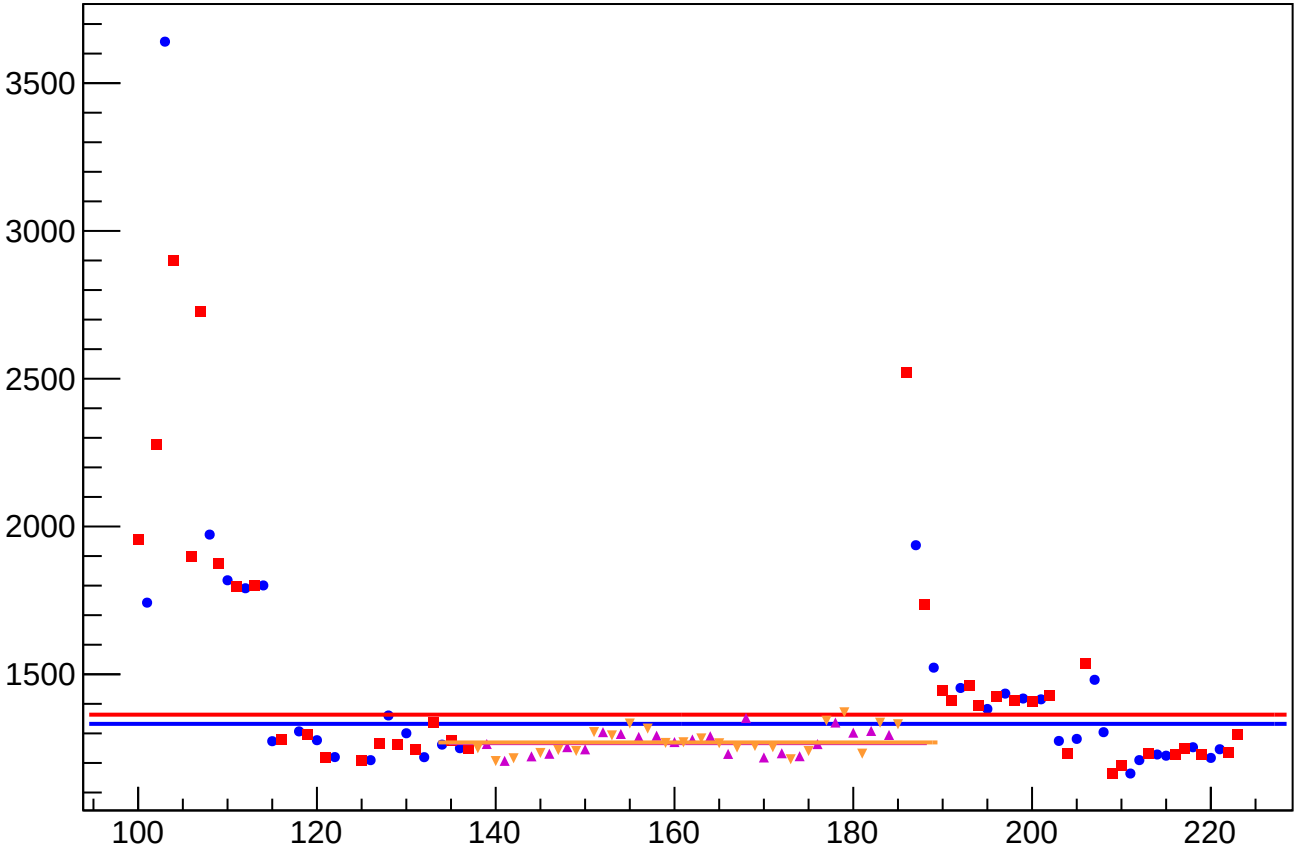
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 852.259+/-205.730 χ^2/NDF: 61.0/57

All: 587.807+/-146.072 χ^2/NDF: 148.6/118

- sign 318.957+/-207.434 χ^2/NDF: 84.3/60

asym_usl_atl1_dd_rms vs Slug



Right In: 1332.245+/-0.203 χ^2/NDF: 1028706.9/33

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1363.389+/-0.206 χ^2/NDF: 1397971.5/37

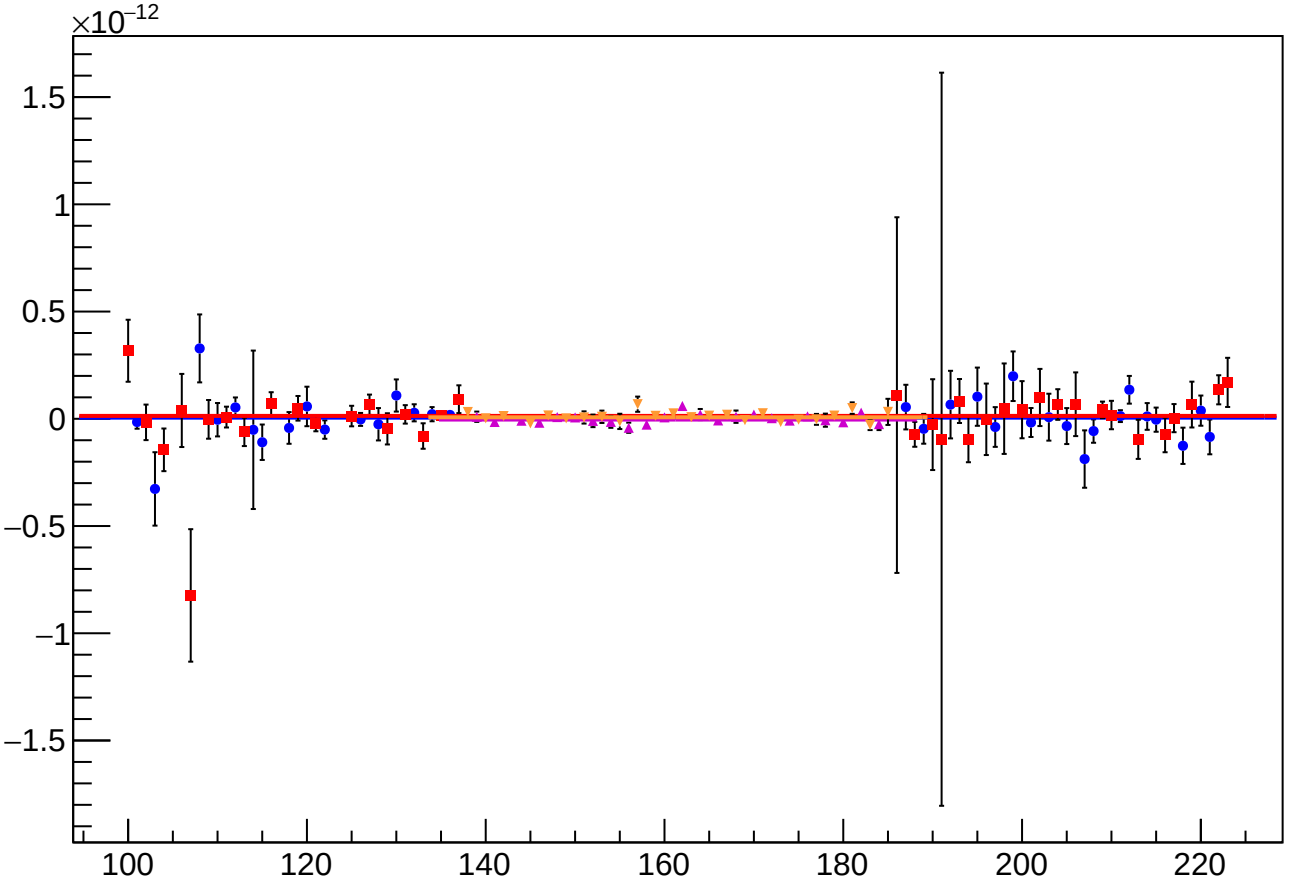
Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1301.666+/-0.145 χ^2/NDF: 1118311.9/57

All: 1308.816+/-0.103 χ^2/NDF: 2663482.1/11

- sign 1316.086+/-0.147 χ^2/NDF: 1540297.7/60

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.6/37

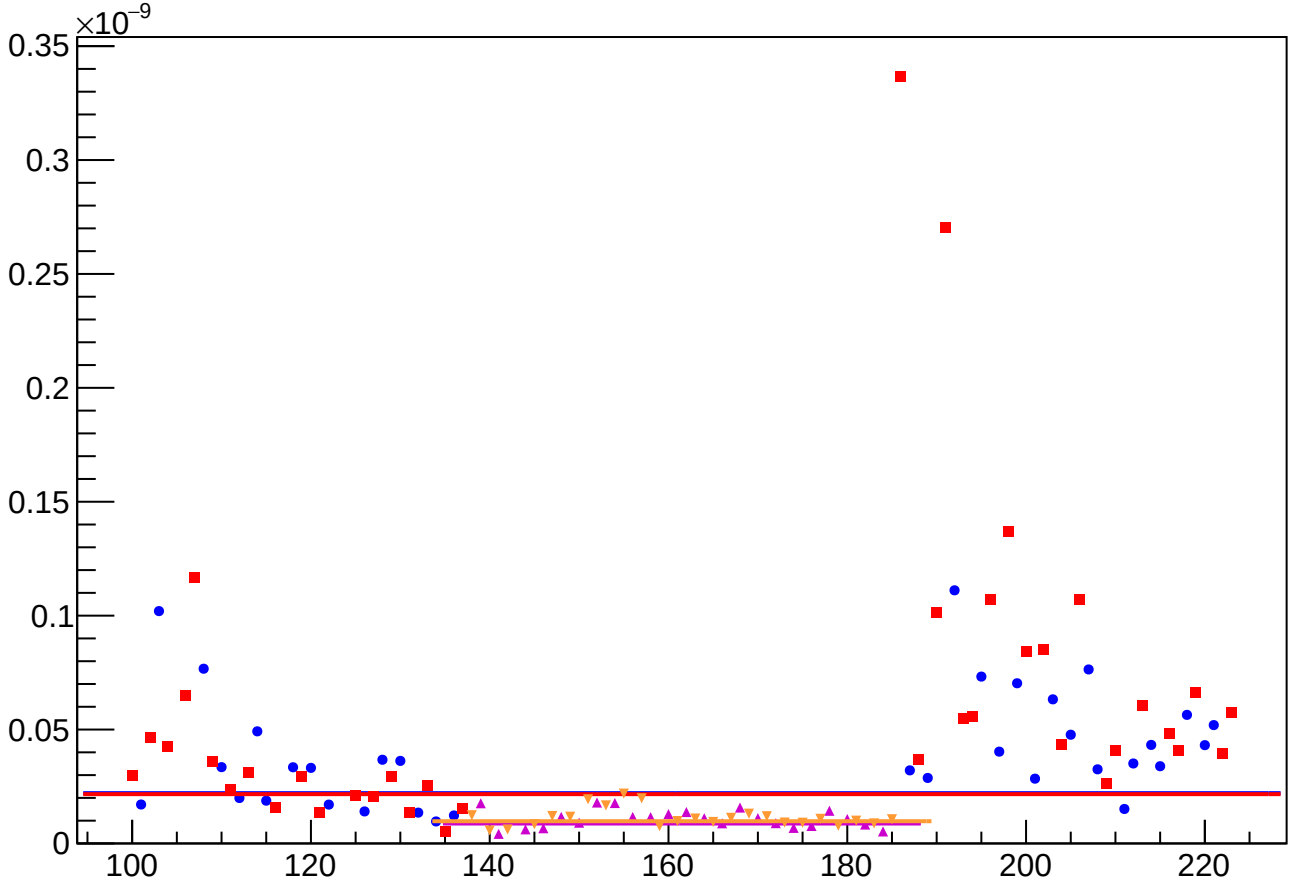
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.9/57

All: 0.000+/-0.000 χ^2/NDF: 118.9/118

- sign -0.000+/-0.000 χ^2/NDF: 63.5/60

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5663764.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8870297.3/37

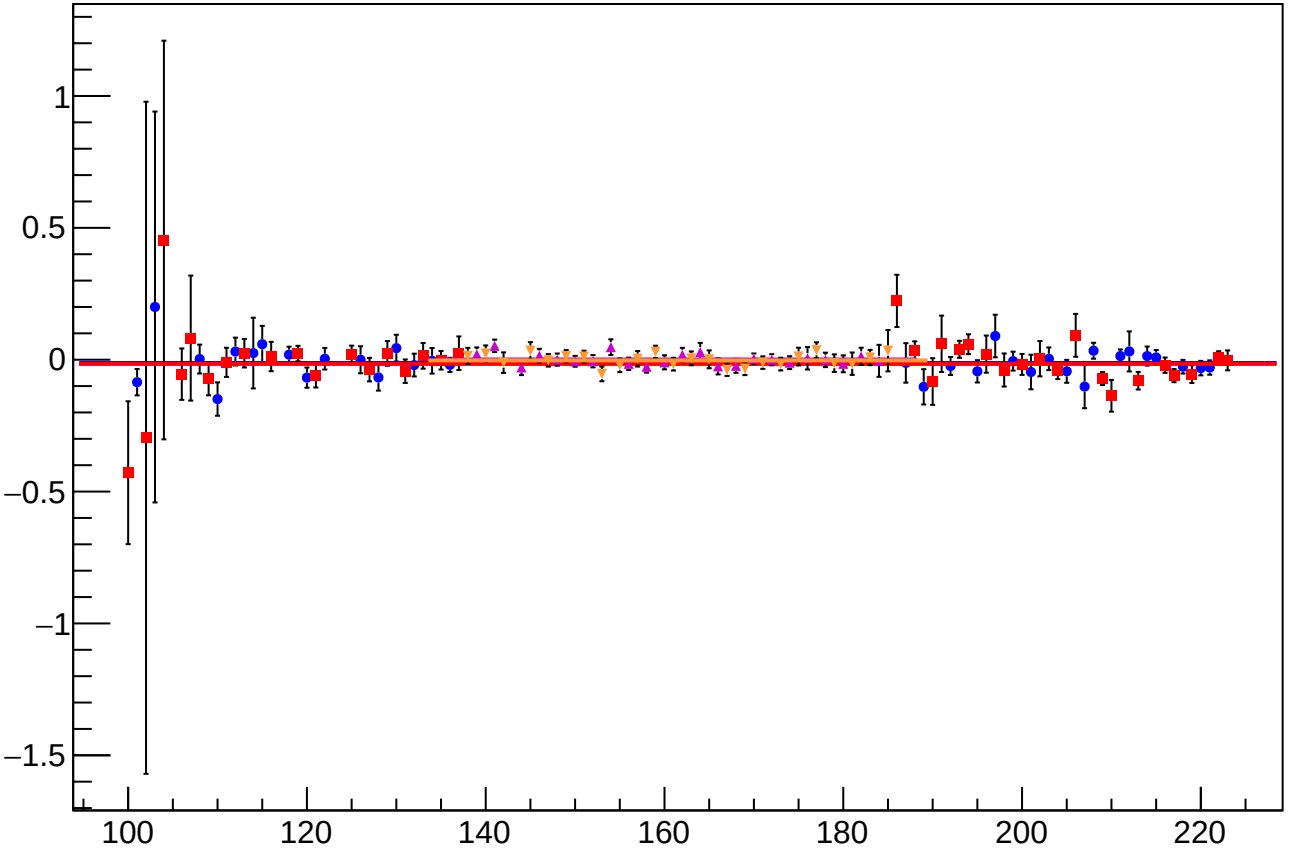
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10210963.8/57

All: 0.000+/-0.000 χ^2/NDF: 24463204.9/118

- sign 0.000+/-0.000 χ^2/NDF: 14125633.4/60

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.016+/-0.007 χ^2/NDF: 47.8/37

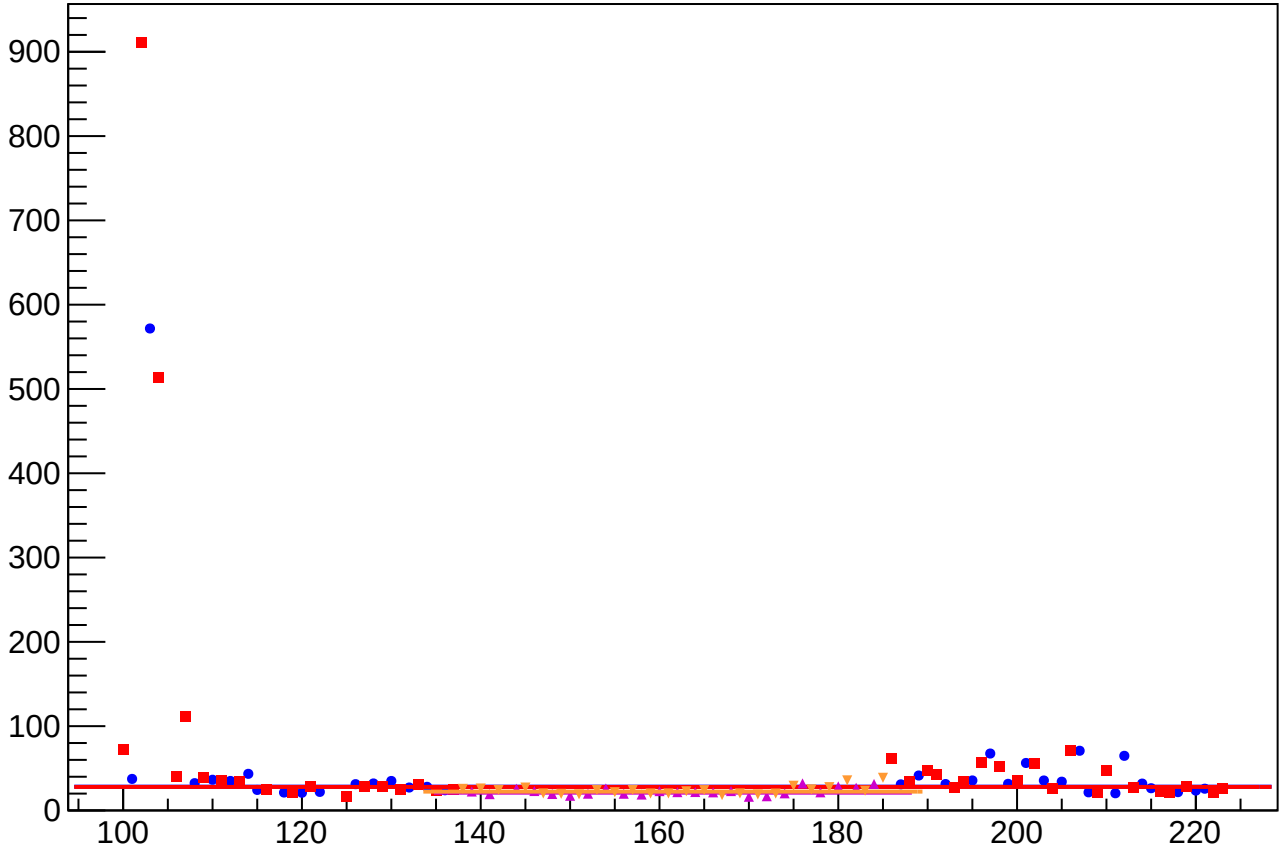
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.004 χ^2/NDF: 44.6/57

All: -0.006+/-0.003 χ^2/NDF: 110.9/118

- sign -0.006+/-0.004 χ^2/NDF: 66.3/60

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.218+/-0.005 χ^2/NDF: 4215358.4/33

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

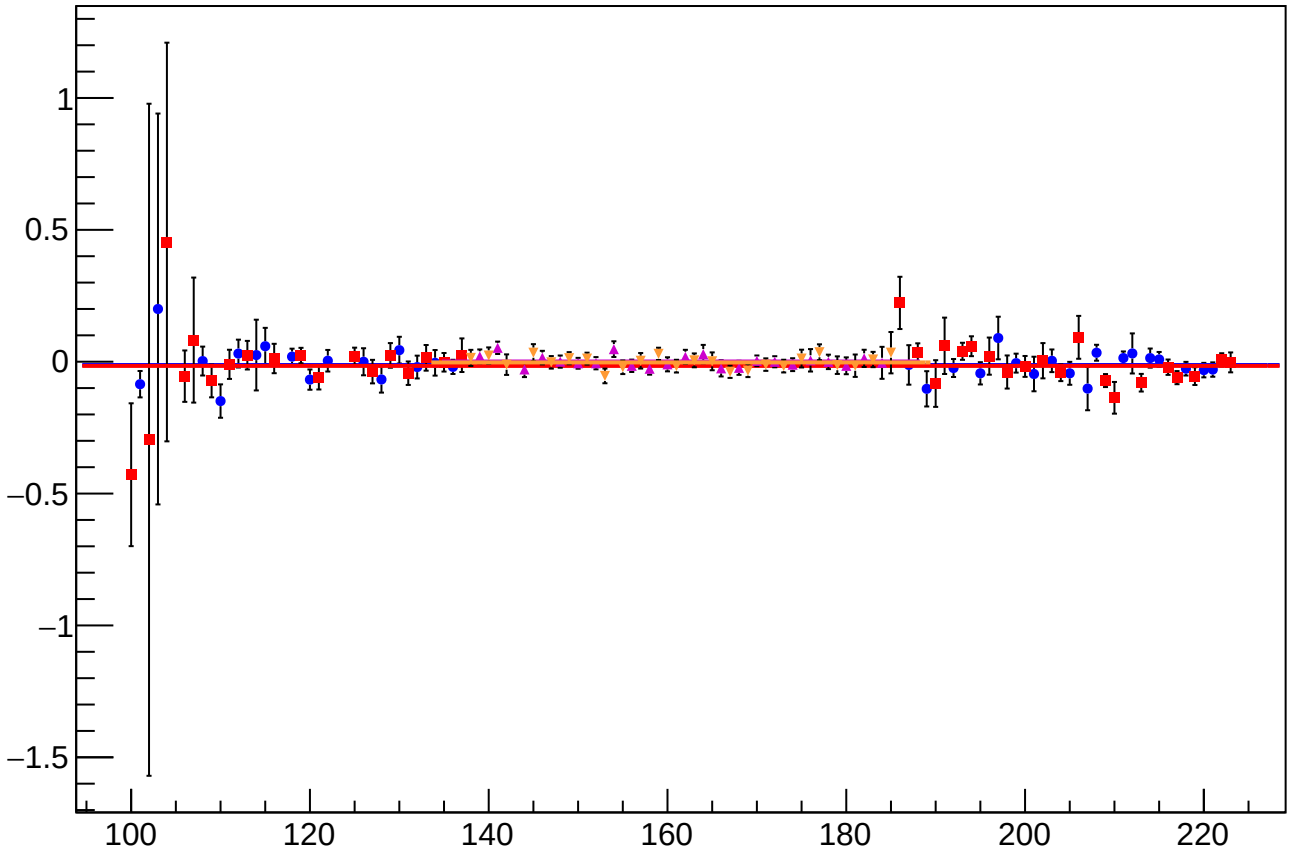
Right Out: 27.901+/-0.005 χ^2/NDF: 5467300.1/37

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.706+/-0.003 χ^2/NDF: 5884533.4/57

All: 24.196+/-0.002 χ^2/NDF: 13413042.7/118

- sign 23.712+/-0.003 χ^2/NDF: 7476195.2/60



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.016+/-0.007 χ^2/NDF: 47.8/37

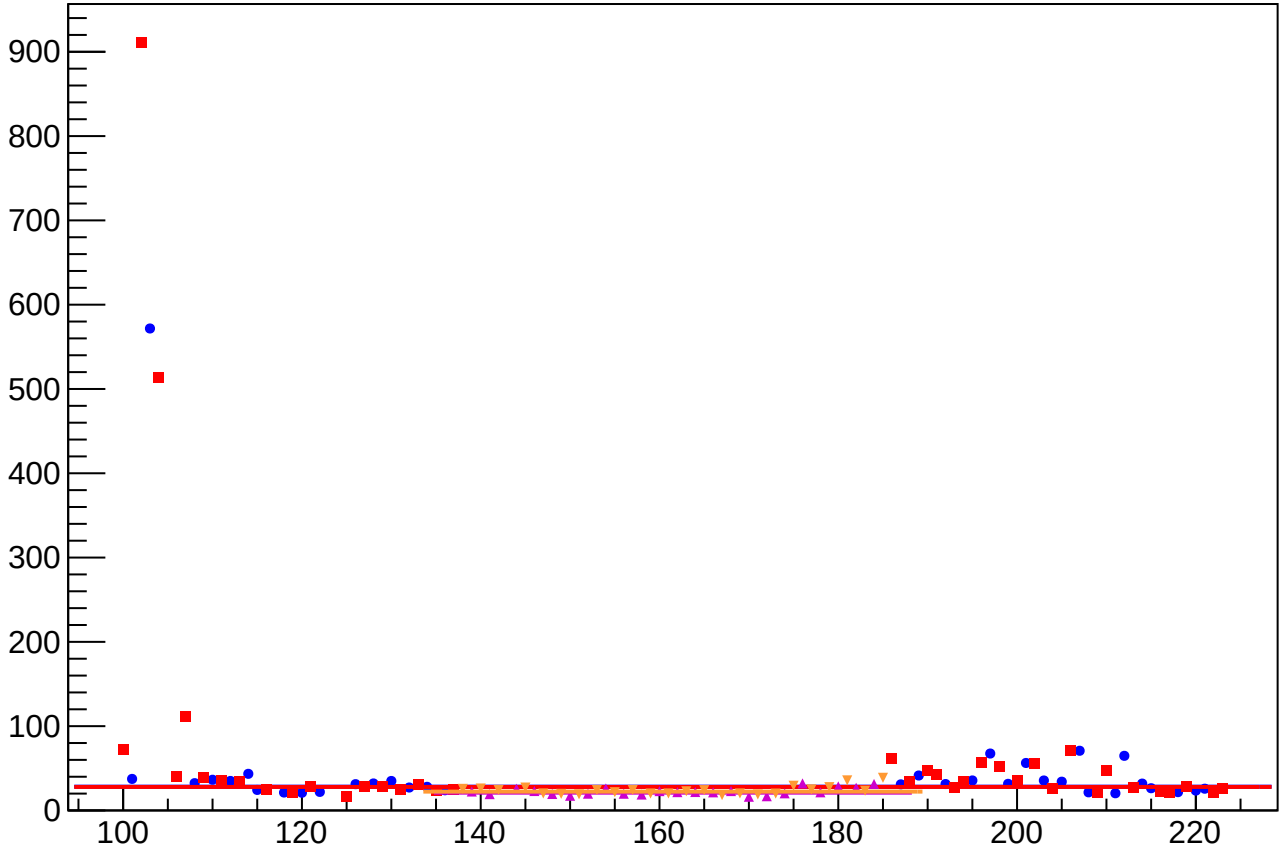
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.004 χ^2/NDF: 44.6/57

All: -0.006+/-0.003 χ^2/NDF: 110.9/118

- sign -0.006+/-0.004 χ^2/NDF: 66.3/60

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.218+/-0.005 χ^2/NDF: 4215358.4/33

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

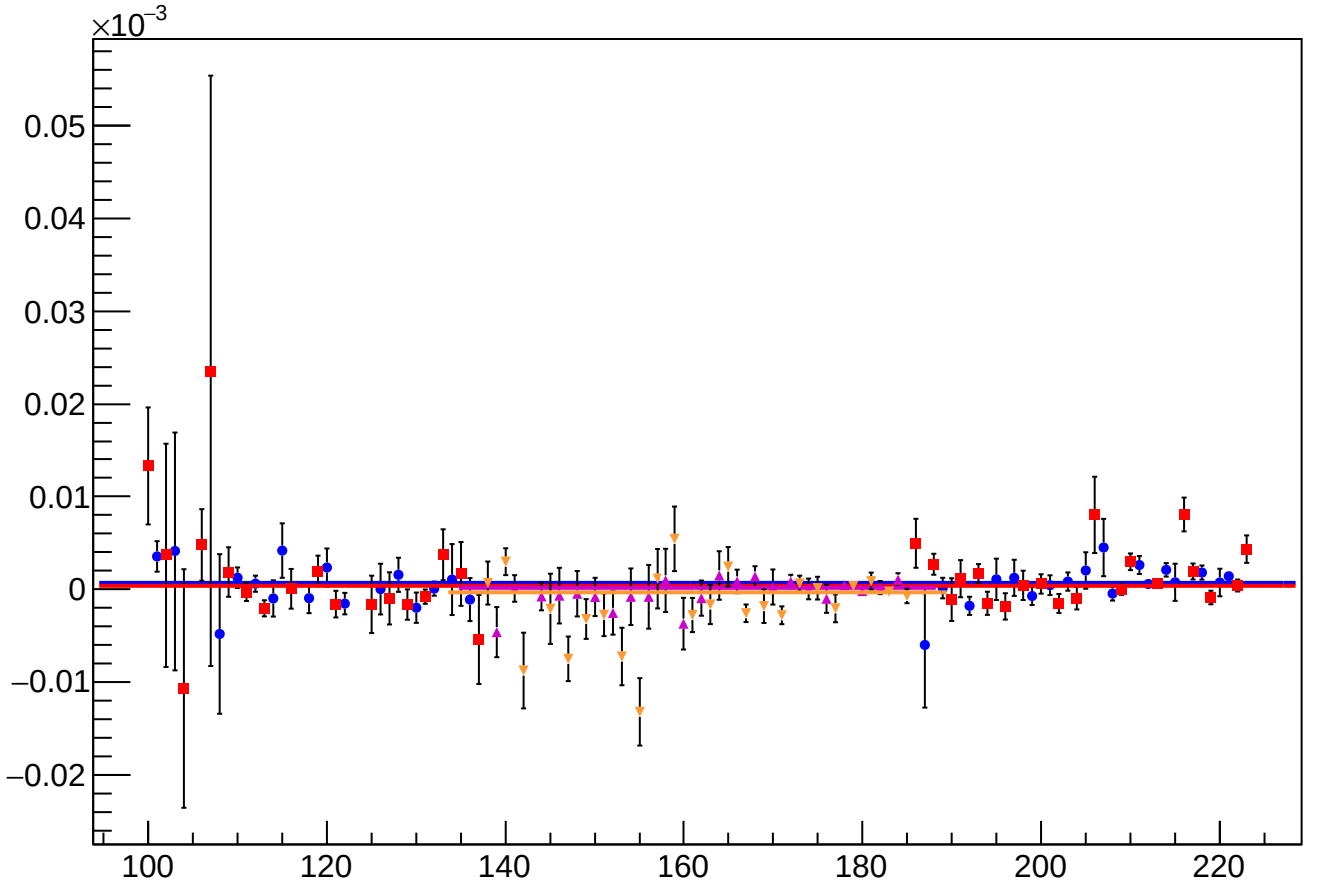
Right Out: 27.901+/-0.005 χ^2/NDF: 5467300.1/37

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.706+/-0.003 χ^2/NDF: 5884533.4/57

All: 24.196+/-0.002 χ^2/NDF: 13413042.7/118

- sign 23.712+/-0.003 χ^2/NDF: 7476195.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 41.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 88.4/37

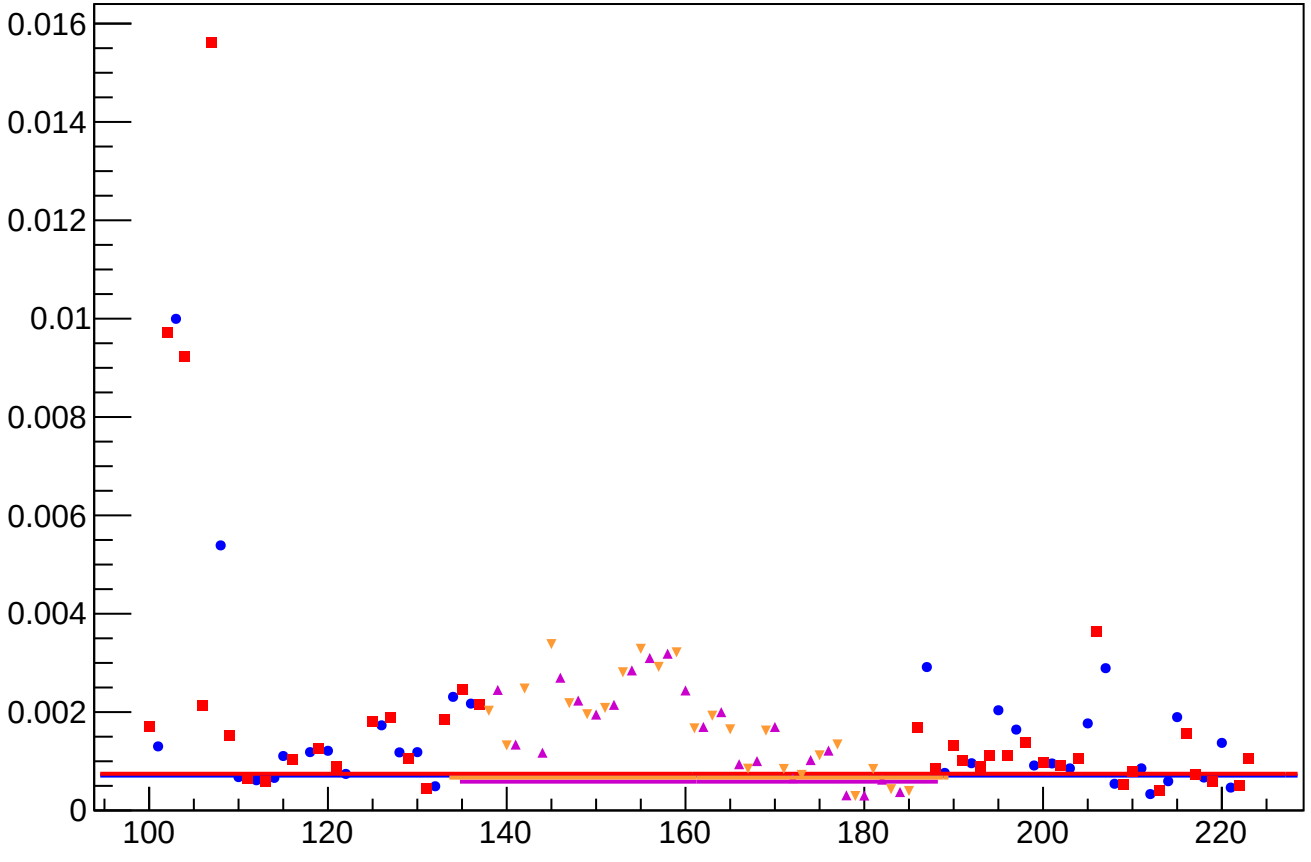
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 123.3/57

All: 0.000+/-0.000 χ^2/NDF: 226.6/118

- sign 0.000+/-0.000 χ^2/NDF: 103.3/60

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10953512.5/33

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9704021.3/37

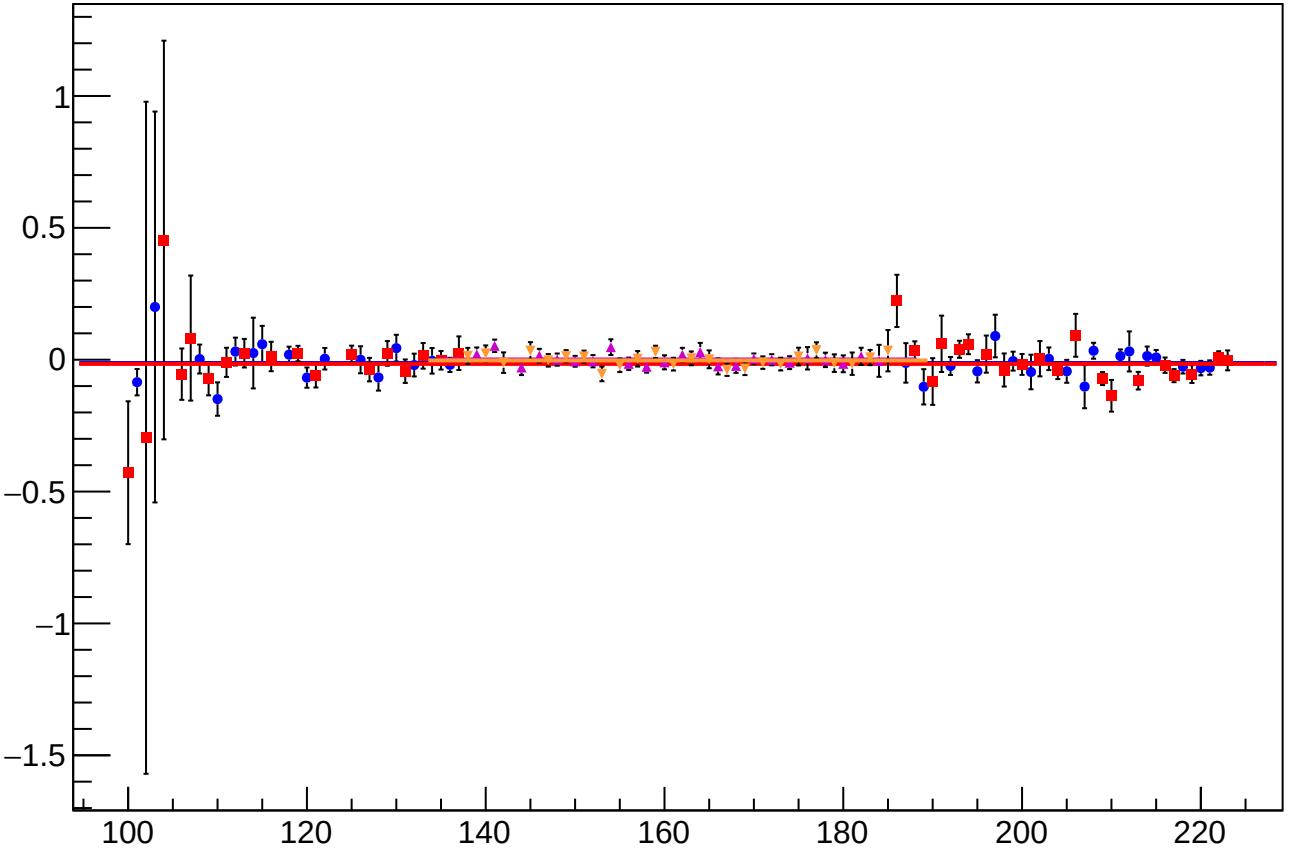
Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 26373298.9/57

All: 0.001+/-0.000 χ^2/NDF: 52494776.9/118

- sign 0.001+/-0.000 χ^2/NDF: 26084005.5/60

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.016+/-0.007 χ^2/NDF: 47.8/37

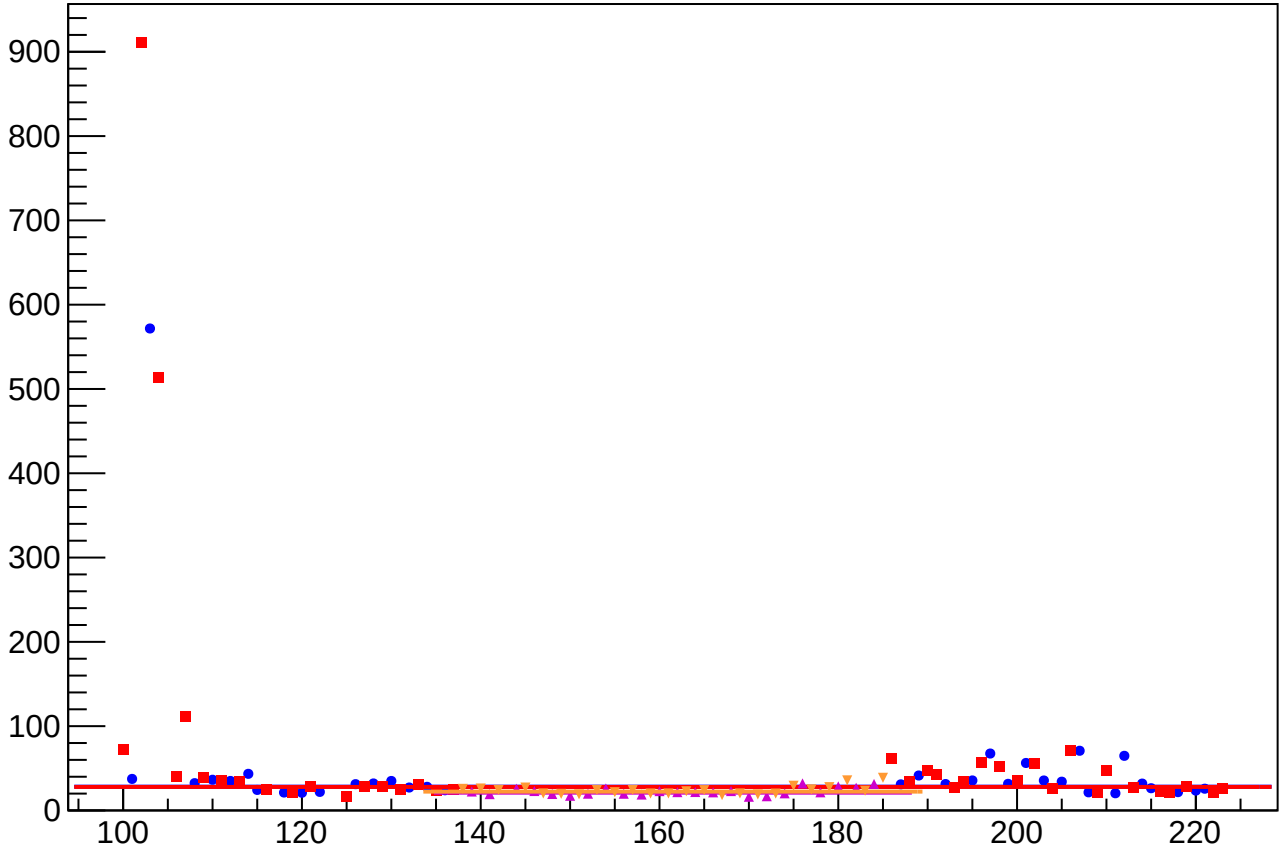
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.004 χ^2/NDF: 44.6/57

All: -0.006+/-0.003 χ^2/NDF: 110.9/118

- sign -0.006+/-0.004 χ^2/NDF: 66.3/60

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.218+/-0.005 χ^2/NDF: 4215398.2/33

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

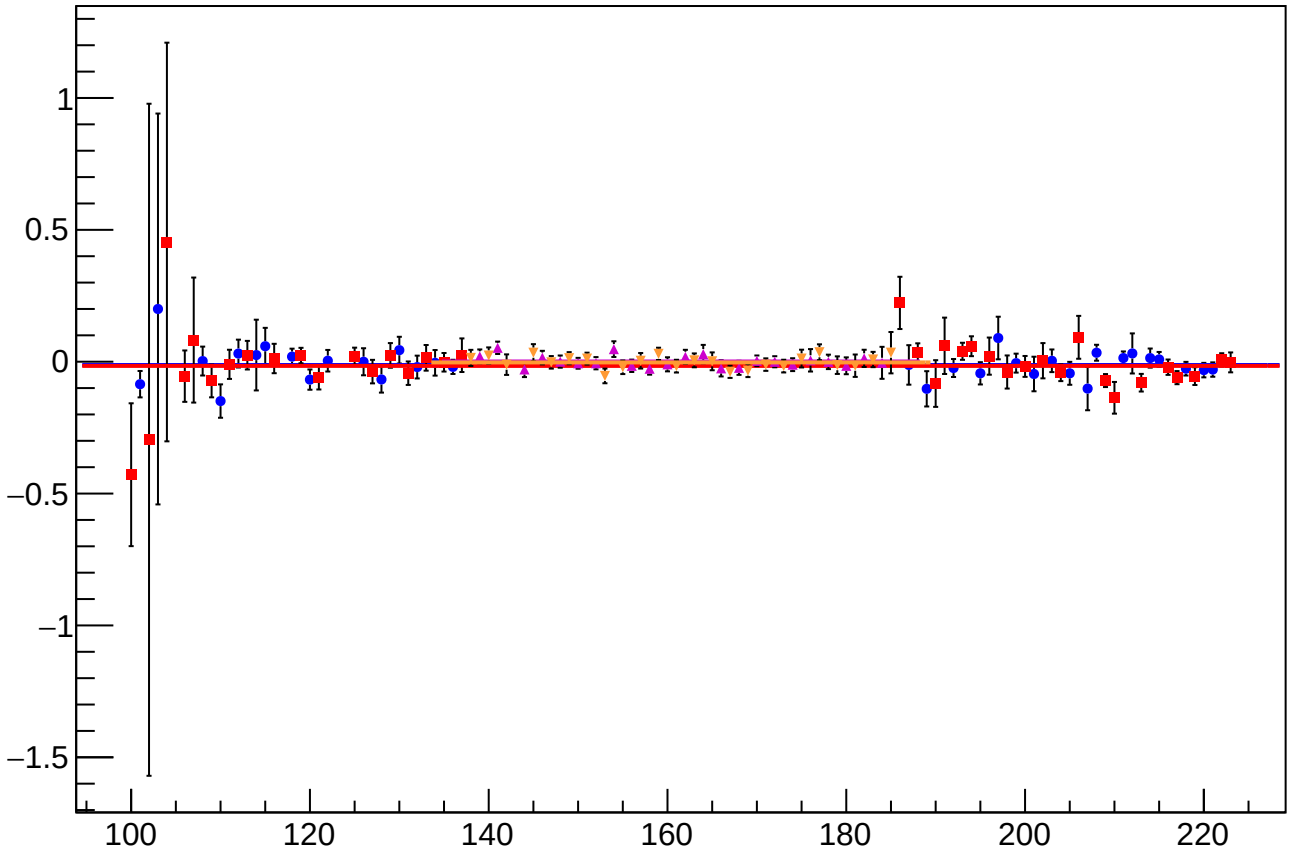
Right Out: 27.901+/-0.005 χ^2/NDF: 5467378.8/37

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 24.706+/-0.003 χ^2/NDF: 5884577.0/57

All: 24.196+/-0.002 χ^2/NDF: 13413185.8/118

\- sign 23.712+/-0.003 χ^2/NDF: 7476293.8/60



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.016+/-0.007 χ^2/NDF: 47.8/37

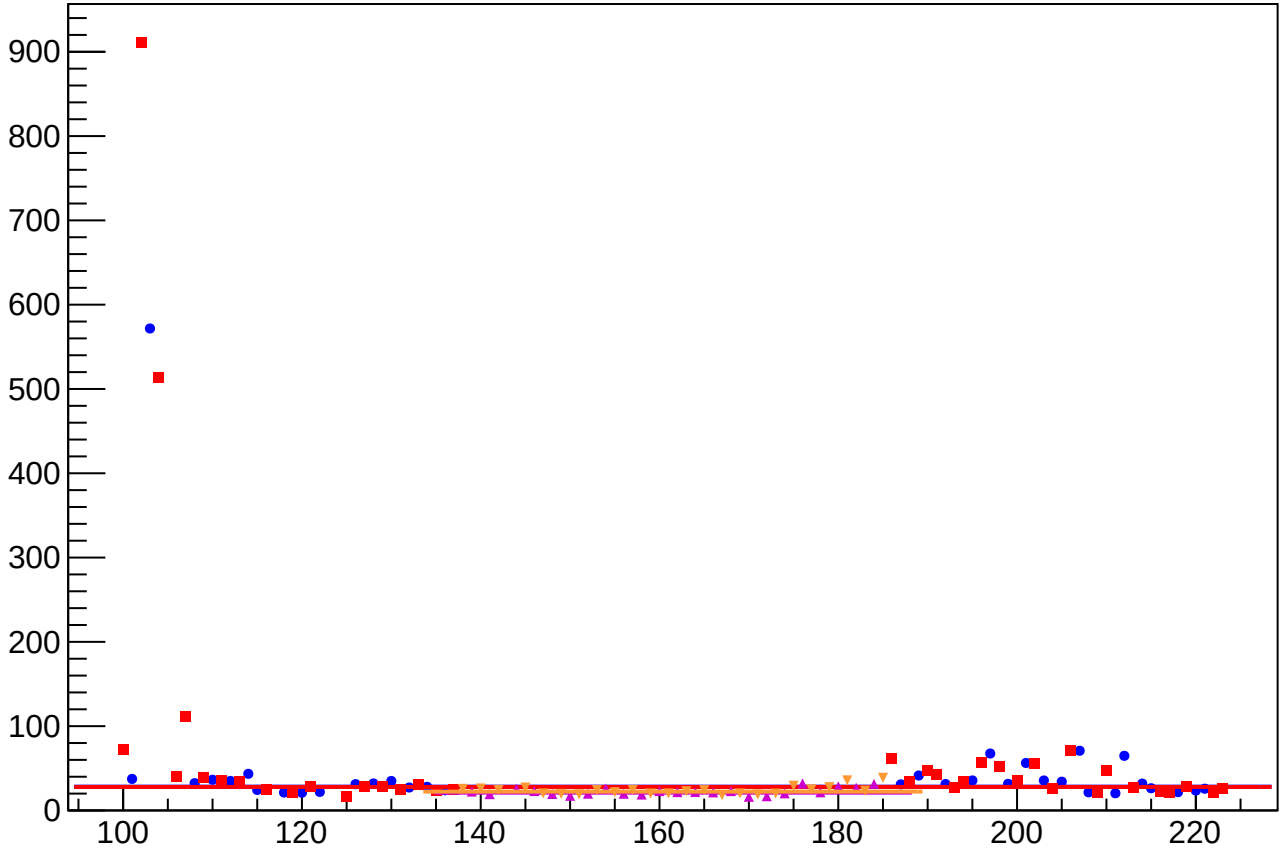
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.004 χ^2/NDF: 44.6/57

All: -0.006+/-0.003 χ^2/NDF: 110.9/118

- sign -0.006+/-0.004 χ^2/NDF: 66.3/60

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.218+/-0.005 χ^2/NDF: 4215398.2/33

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

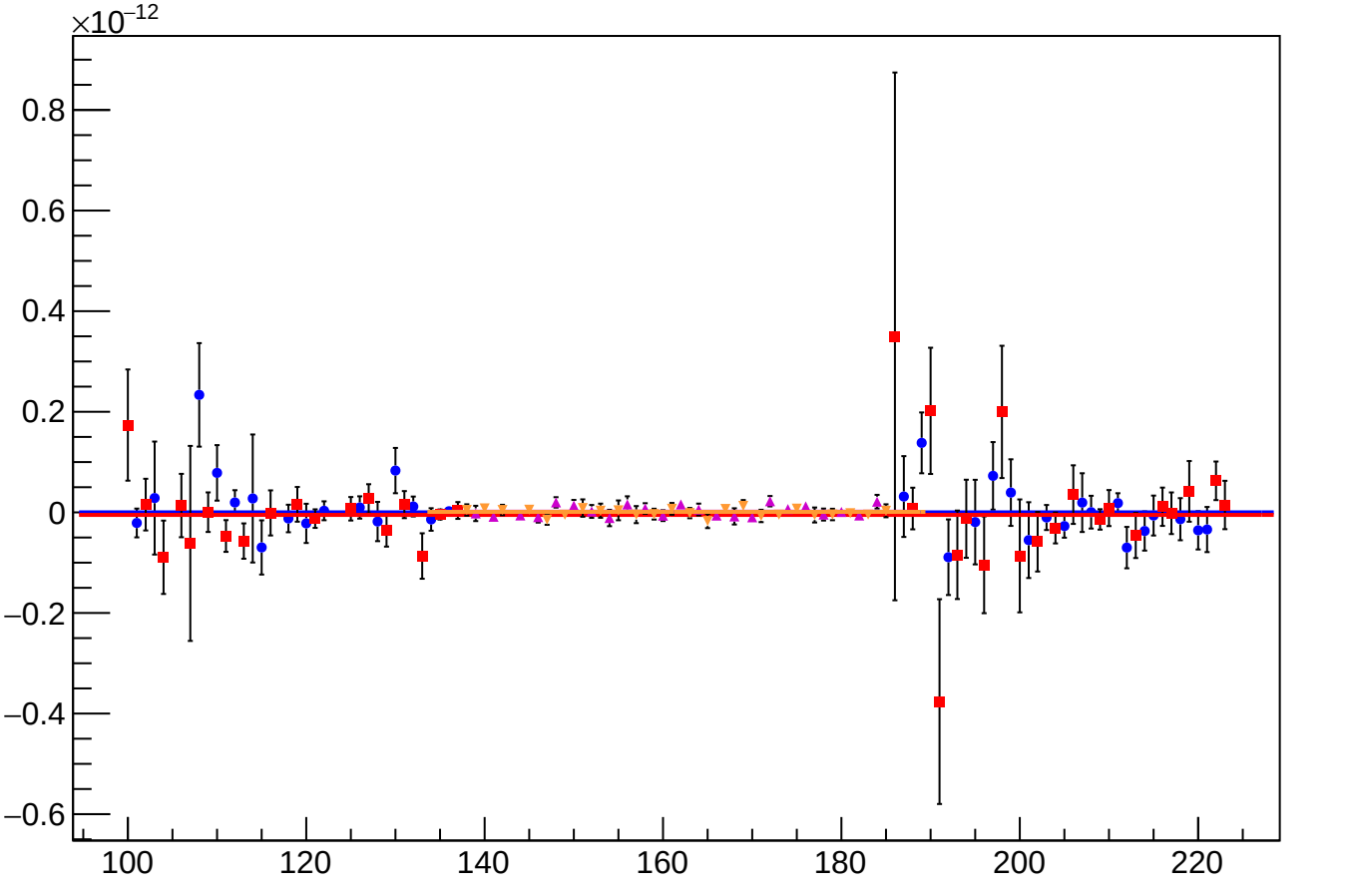
Right Out: 27.901+/-0.005 χ^2/NDF: 5467378.8/37

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 24.706+/-0.003 χ^2/NDF: 5884577.0/57

All: 24.196+/-0.002 χ^2/NDF: 13413185.8/118

\- sign 23.712+/-0.003 χ^2/NDF: 7476293.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

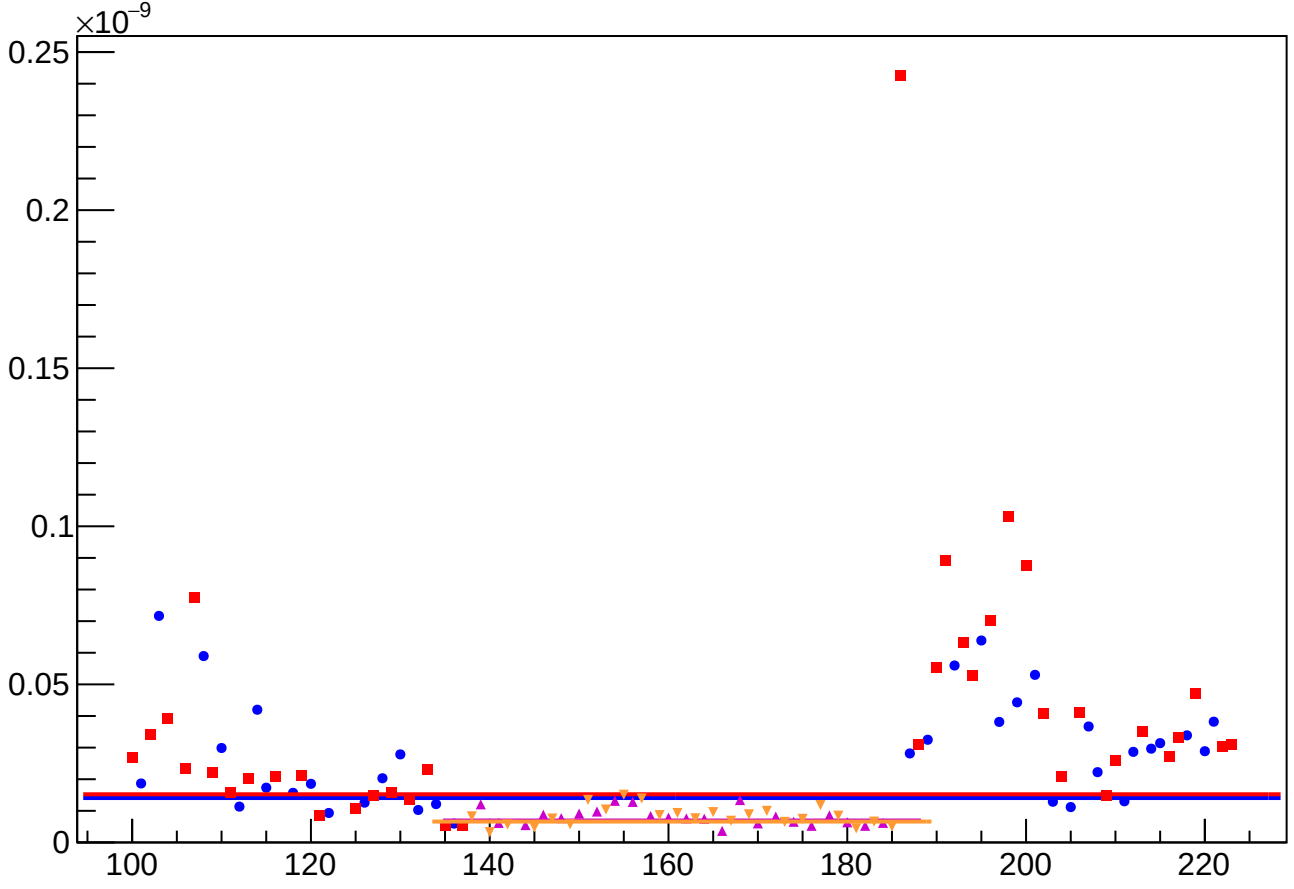
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/37

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/57

All: 0.000+/-0.000 χ^2/NDF: 104.8/118

- sign 0.000+/-0.000 χ^2/NDF: 61.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 9111051.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11575588.5/37

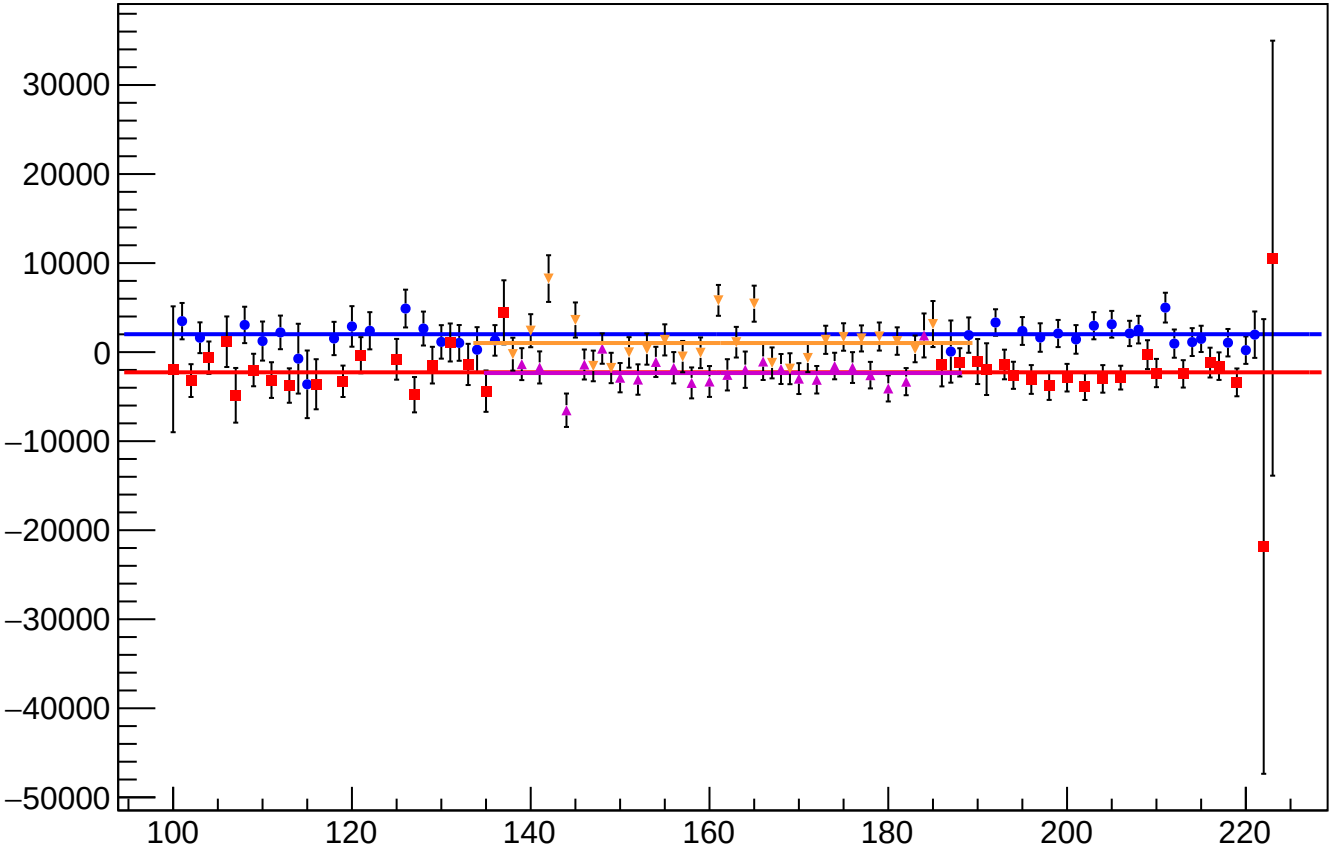
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 16609843.6/57

All: 0.000+/-0.000 χ^2/NDF: 34875294.5/118

- sign 0.000+/-0.000 χ^2/NDF: 18231408.5/60

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2012.298+/-309.090 χ^2/NDF: 15.1/33

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2267.344+/-310.875 χ^2/NDF: 22.2/37

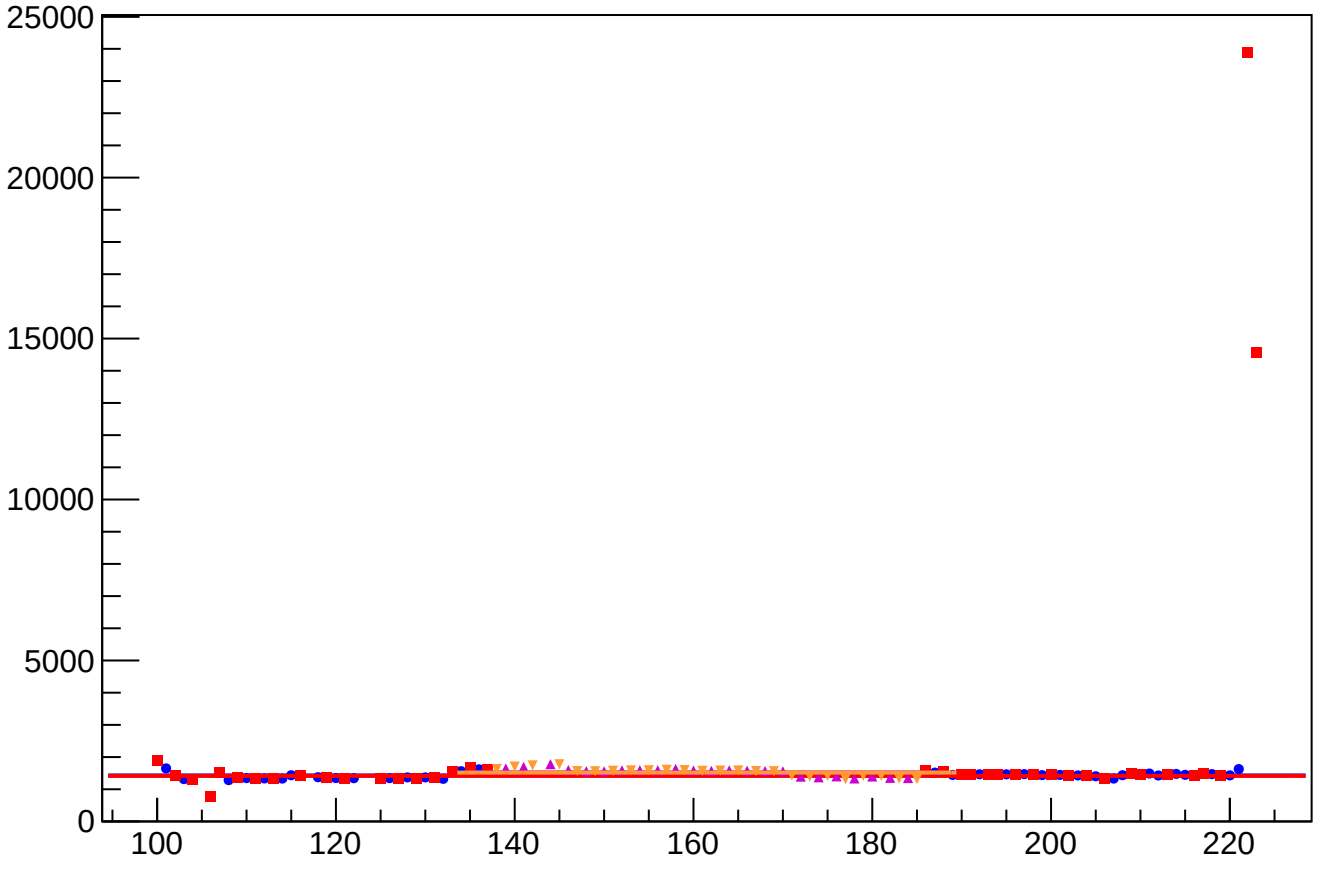
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.432+/-232.675 χ^2/NDF: 56.0/57

All: -344.715+/-165.155 χ^2/NDF: 232.7/118

- sign -2302.633+/-234.464 χ^2/NDF: 38.2/60

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1428.774+/-0.219 χ^2/NDF: 133832.7/33

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1415.968+/-0.217 χ^2/NDF: 2543008.0/37

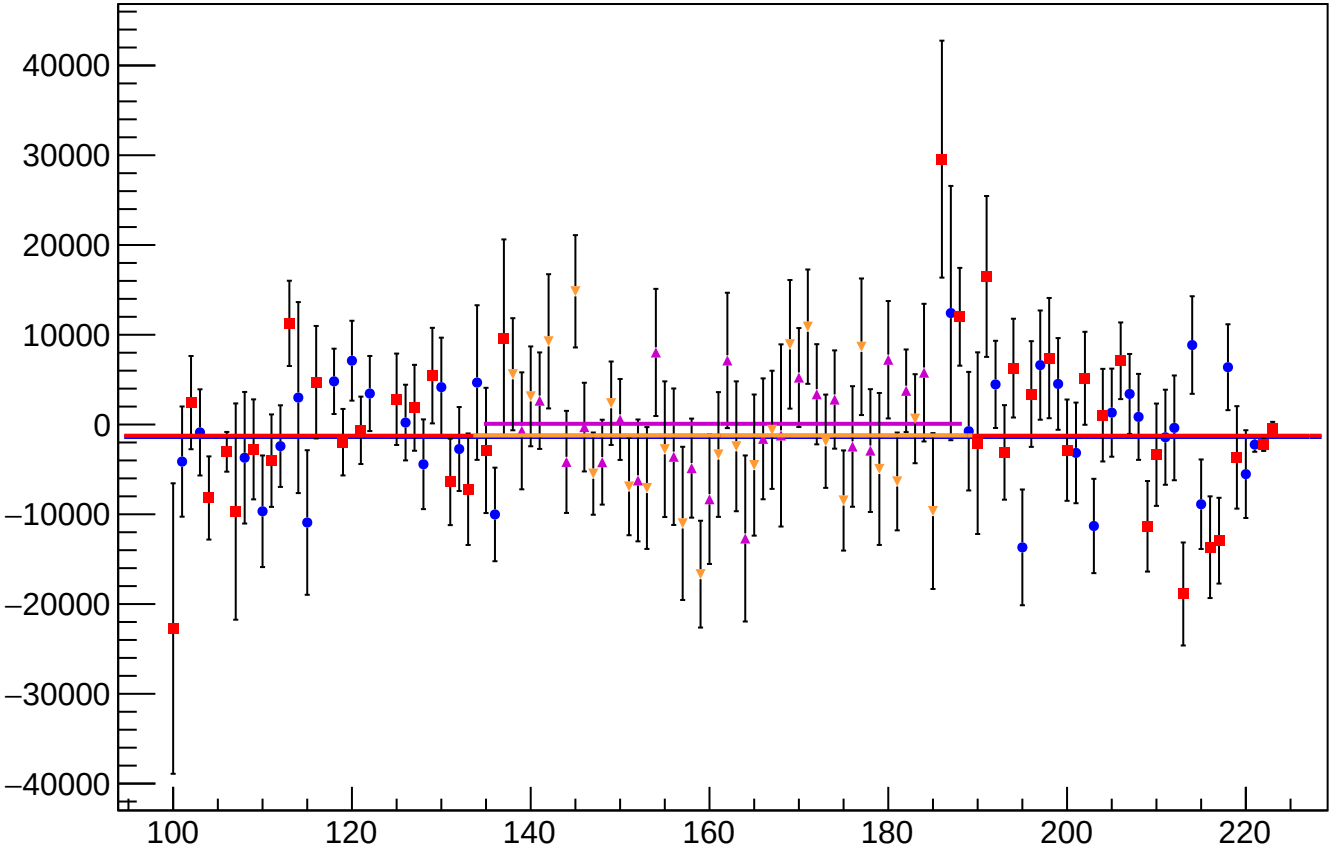
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.358+/-0.165 χ^2/NDF: 439712.7/57

All: 1464.716+/-0.116 χ^2/NDF: 3313351.3/11

- sign 1462.068+/-0.165 χ^2/NDF: 2873122.0/60

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -1389.375+/-603.604 χ^2/NDF: 41.2/33

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -1244.736+/-437.486 χ^2/NDF: 72.6/37

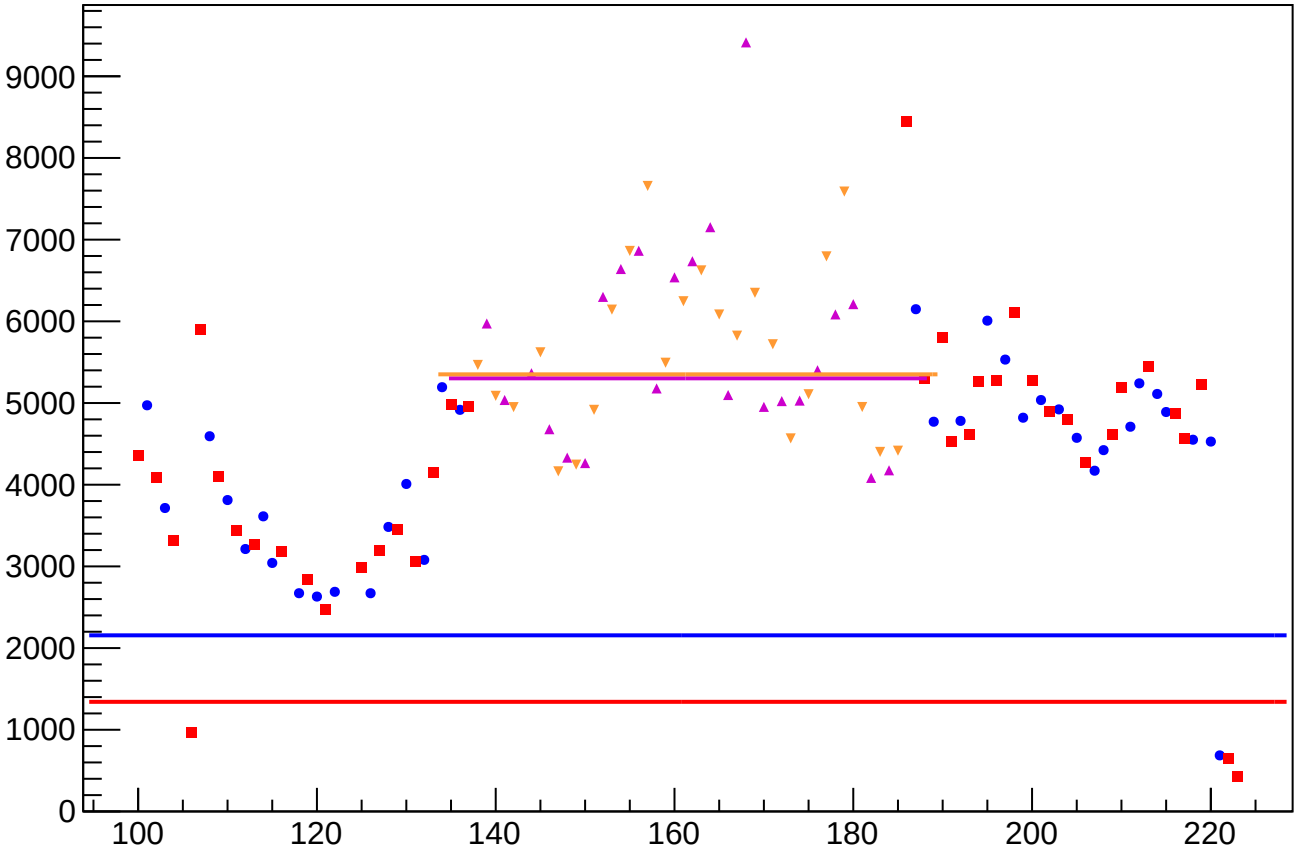
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -1356.600+/-545.029 χ^2/NDF: 74.5/57

All: -1195.626+/-329.390 χ^2/NDF: 161.4/118

- sign -1103.000+/-413.435 χ^2/NDF: 86.8/60

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 2156.075+/-0.427 χ^2/NDF: 17832618.1/33

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 1342.032+/-0.309 χ^2/NDF: 25698443.4/37

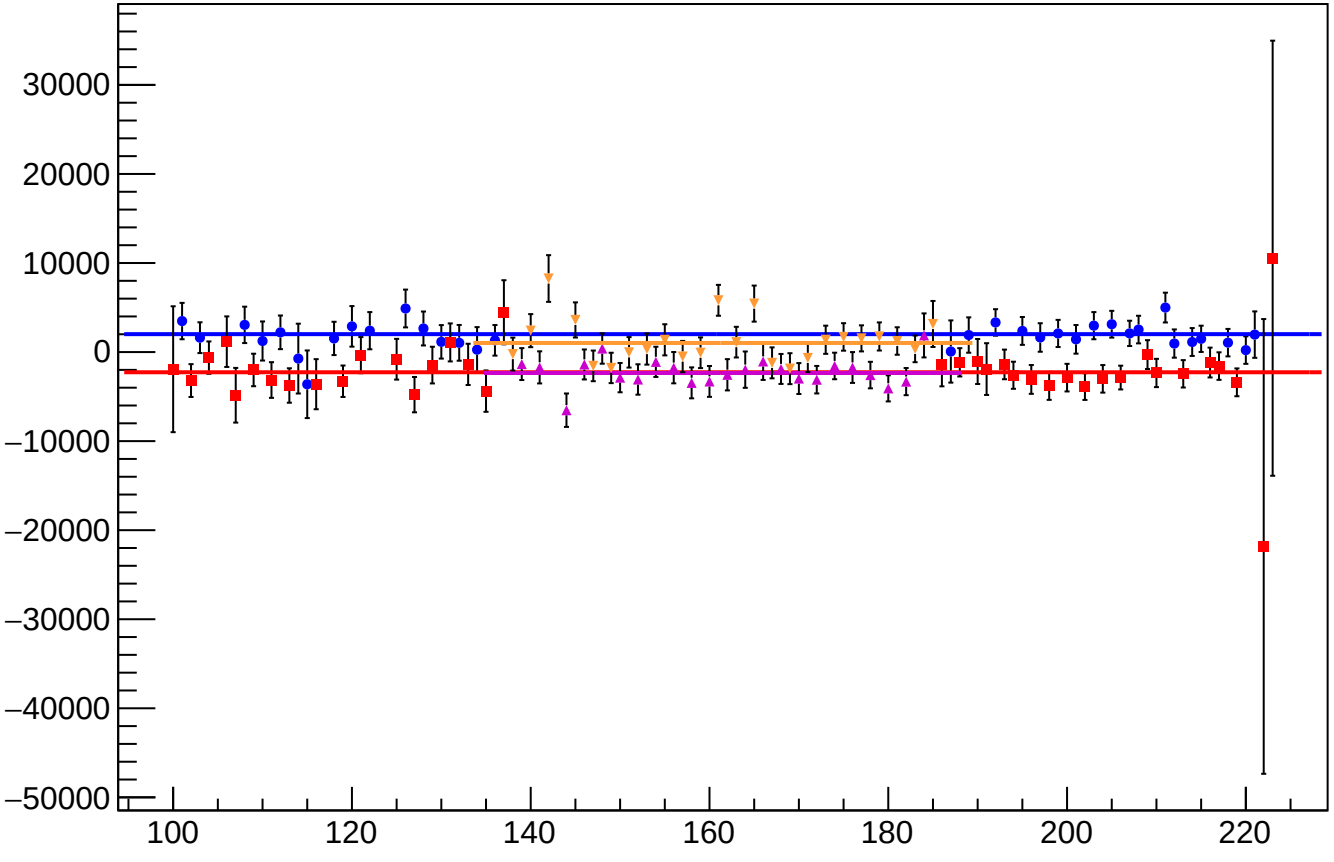
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 2746.090+/-0.385 χ^2/NDF: 29246919.1/57

All: 2123.645+/-0.233 χ^2/NDF: 77834642.0/1

- sign 1765.487+/-0.292 χ^2/NDF: 44478265.8/60

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2012.279+/-309.090 χ^2/NDF: 15.1/33

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2267.411+/-310.876 χ^2/NDF: 22.2/37

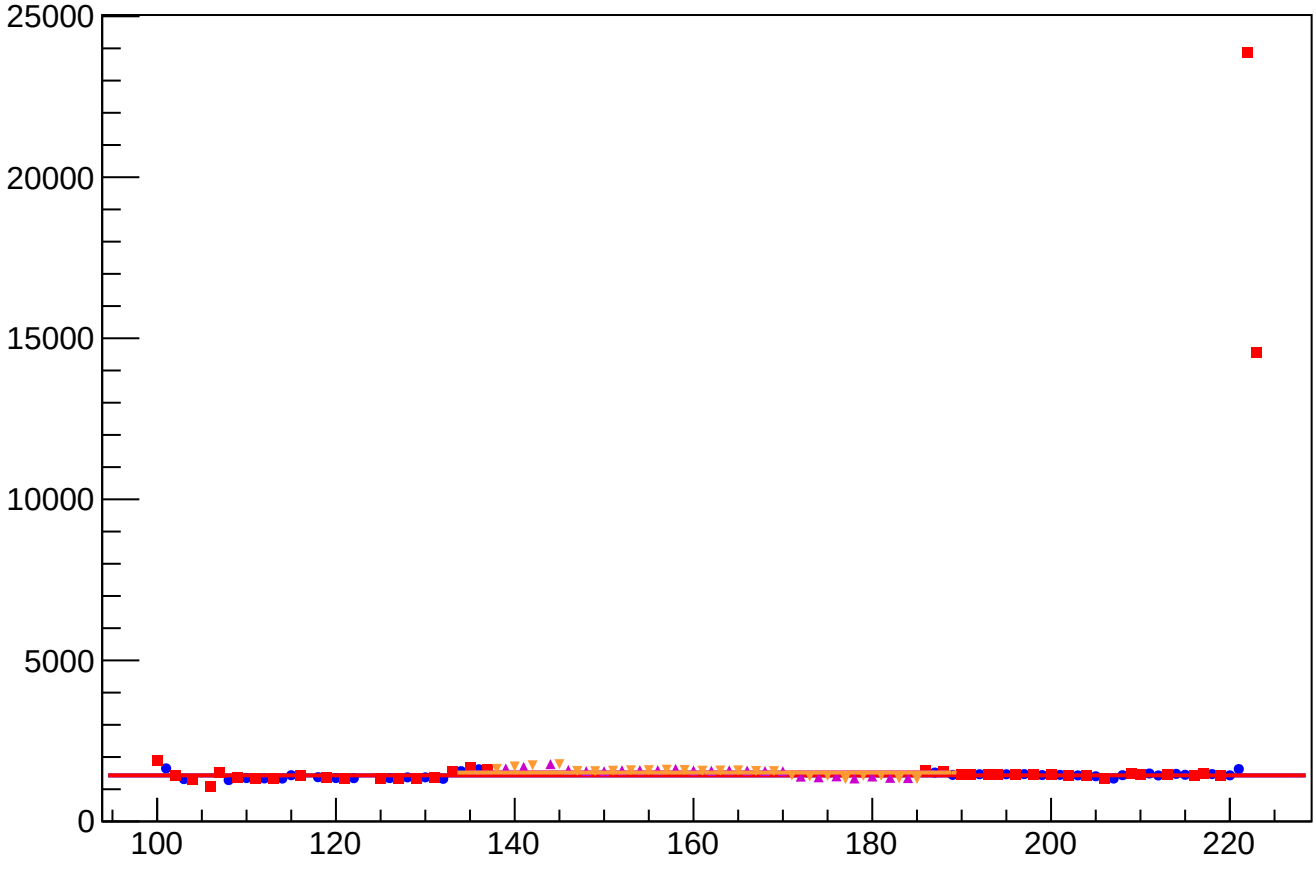
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.435+/-232.675 χ^2/NDF: 56.0/57

All: -344.729+/-165.155 χ^2/NDF: 232.7/118

- sign -2302.670+/-234.464 χ^2/NDF: 38.2/60

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1428.774+/-0.219 χ^2/NDF: 133832.7/33

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1430.947+/-0.219 χ^2/NDF: 2298518.6/37

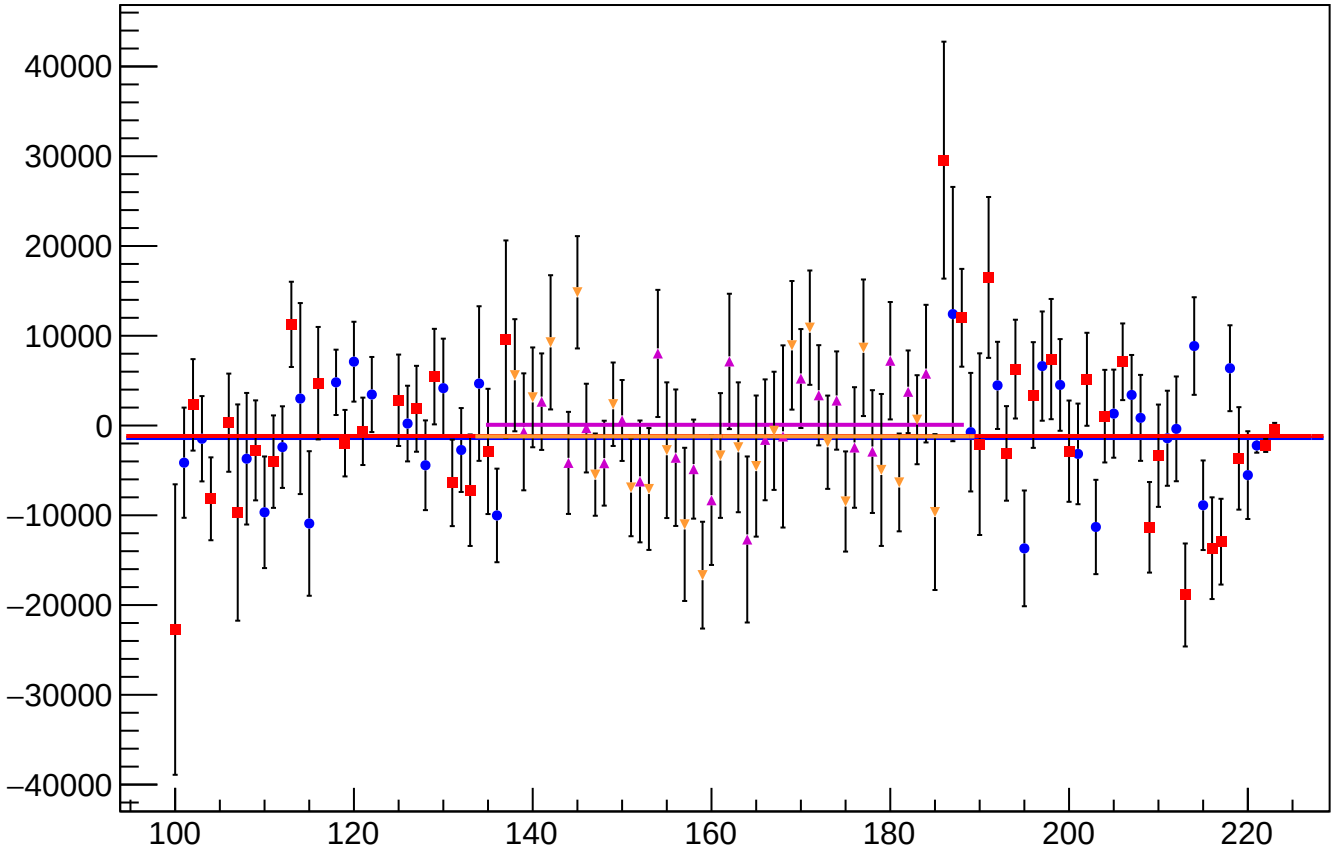
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.358+/-0.165 χ^2/NDF: 439712.8/57

All: 1469.162+/-0.117 χ^2/NDF: 3040903.5/11

- sign 1470.983+/-0.165 χ^2/NDF: 2600949.2/60

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -1392.790+/-603.866 χ^2/NDF: 41.2/33

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1165.567+/-444.661 χ^2/NDF: 72.0/37

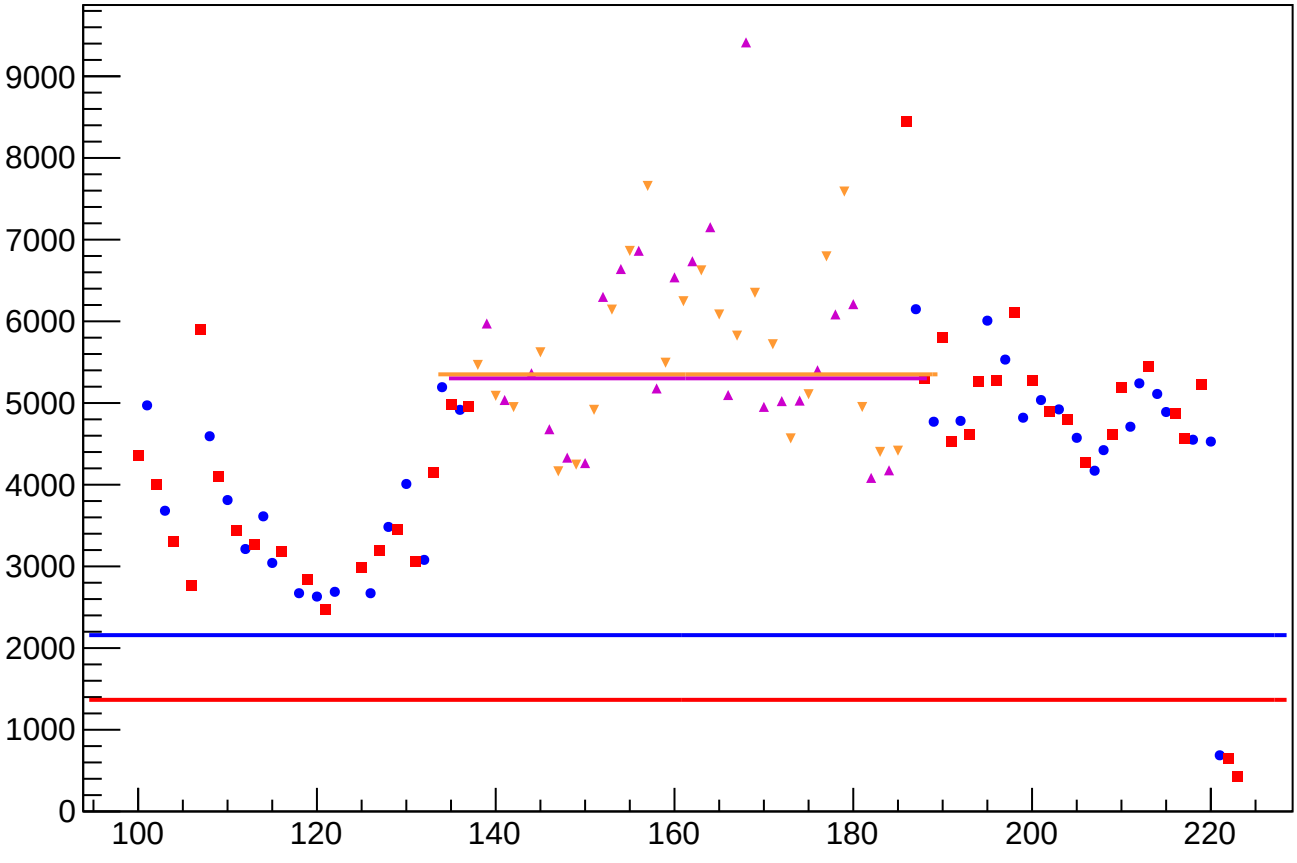
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -1359.360+/-545.223 χ^2/NDF: 74.5/57

All: -1151.450+/-332.464 χ^2/NDF: 160.7/118

- sign -1028.384+/-419.475 χ^2/NDF: 86.0/60

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 2158.399+/-0.427 χ^2/NDF: 17803897.8/33

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 1366.309+/-0.314 χ^2/NDF: 25762118.5/37

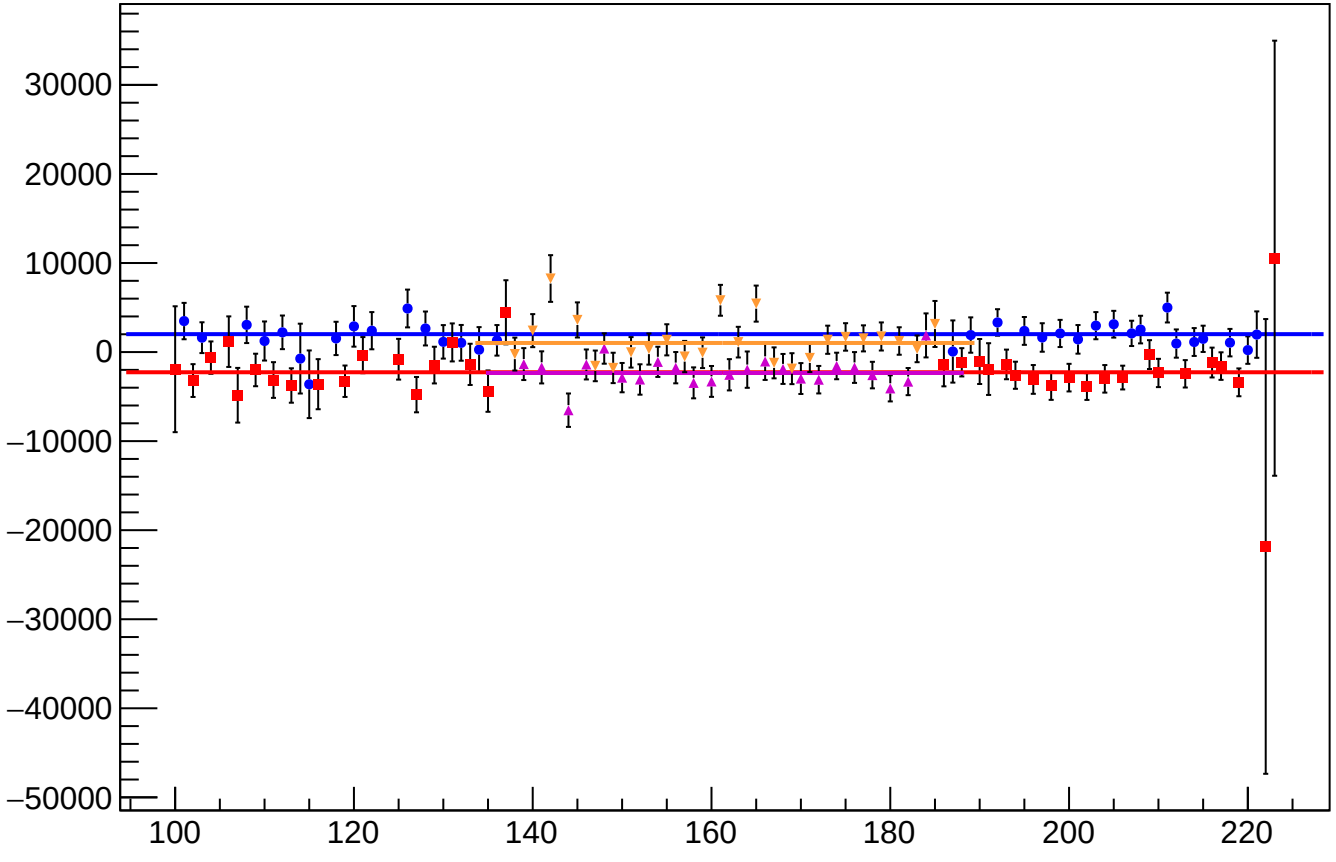
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 2748.403+/-0.386 χ^2/NDF: 29201504.7/57

All: 2152.363+/-0.235 χ^2/NDF: 77273233.6/1

- sign 1799.555+/-0.297 χ^2/NDF: 44266735.6/60

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2012.279+/-309.090 χ^2/NDF: 15.1/33

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2267.411+/-310.876 χ^2/NDF: 22.2/37

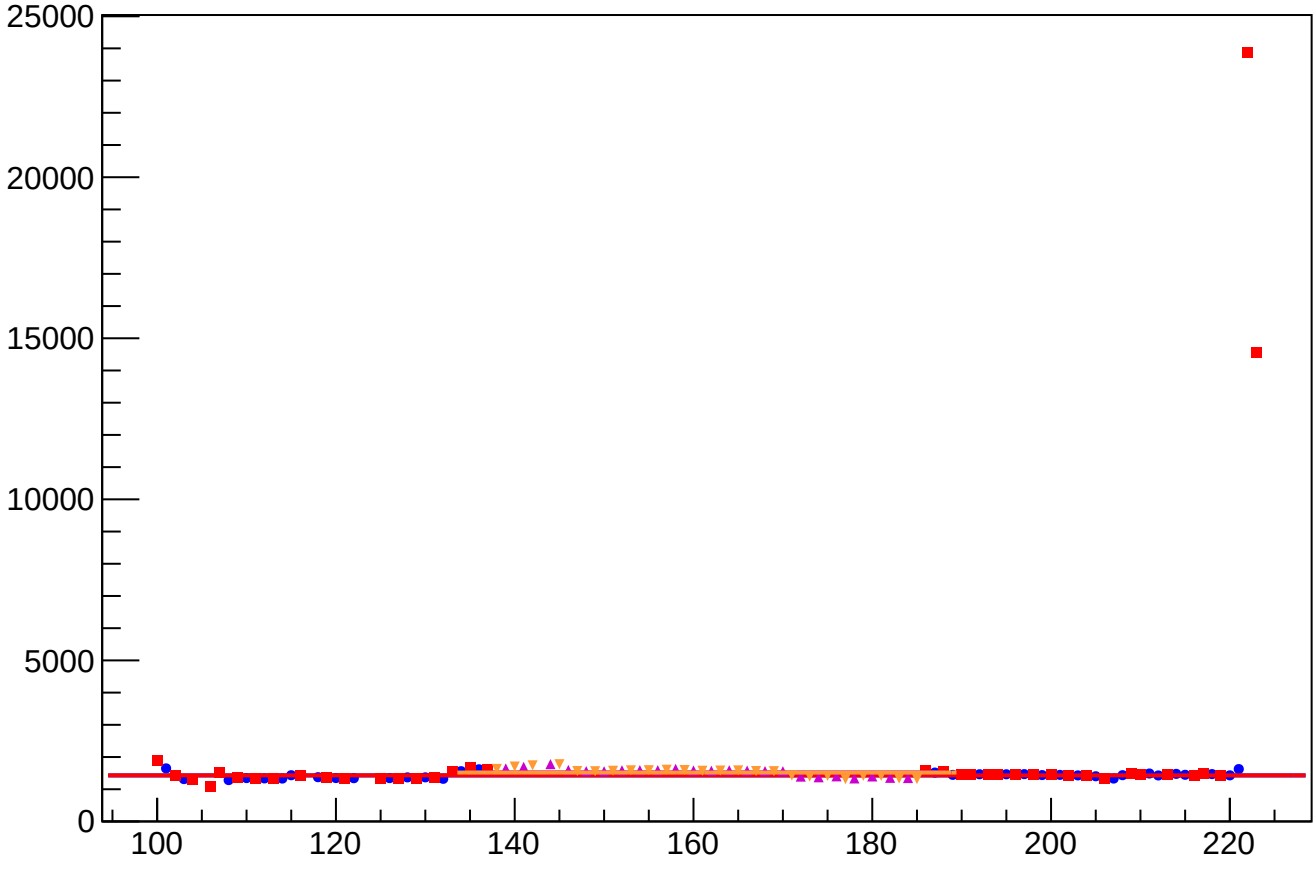
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.435+/-232.675 χ^2/NDF: 56.0/57

All: -344.729+/-165.155 χ^2/NDF: 232.7/118

- sign -2302.670+/-234.464 χ^2/NDF: 38.2/60

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1428.774+/-0.219 χ^2/NDF: 133832.7/33

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

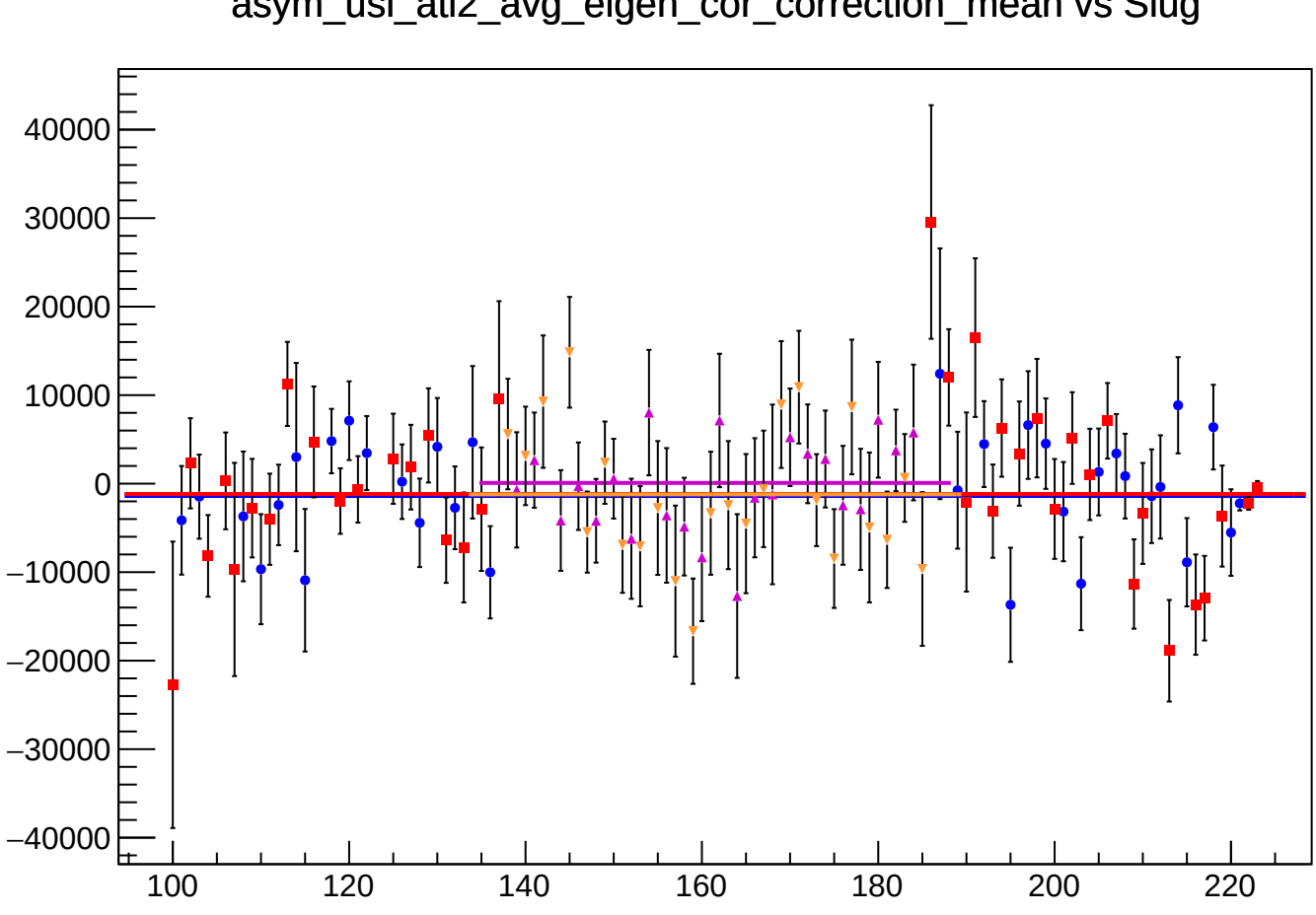
Right Out: 1430.947+/-0.219 χ^2/NDF: 2298518.6/37

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.358+/-0.165 χ^2/NDF: 439712.8/57

All: 1469.162+/-0.117 χ^2/NDF: 3040903.5/11

- sign 1470.983+/-0.165 χ^2/NDF: 2600949.2/60



Right In: -1392.790+/-603.866 χ^2/NDF: 41.2/33

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

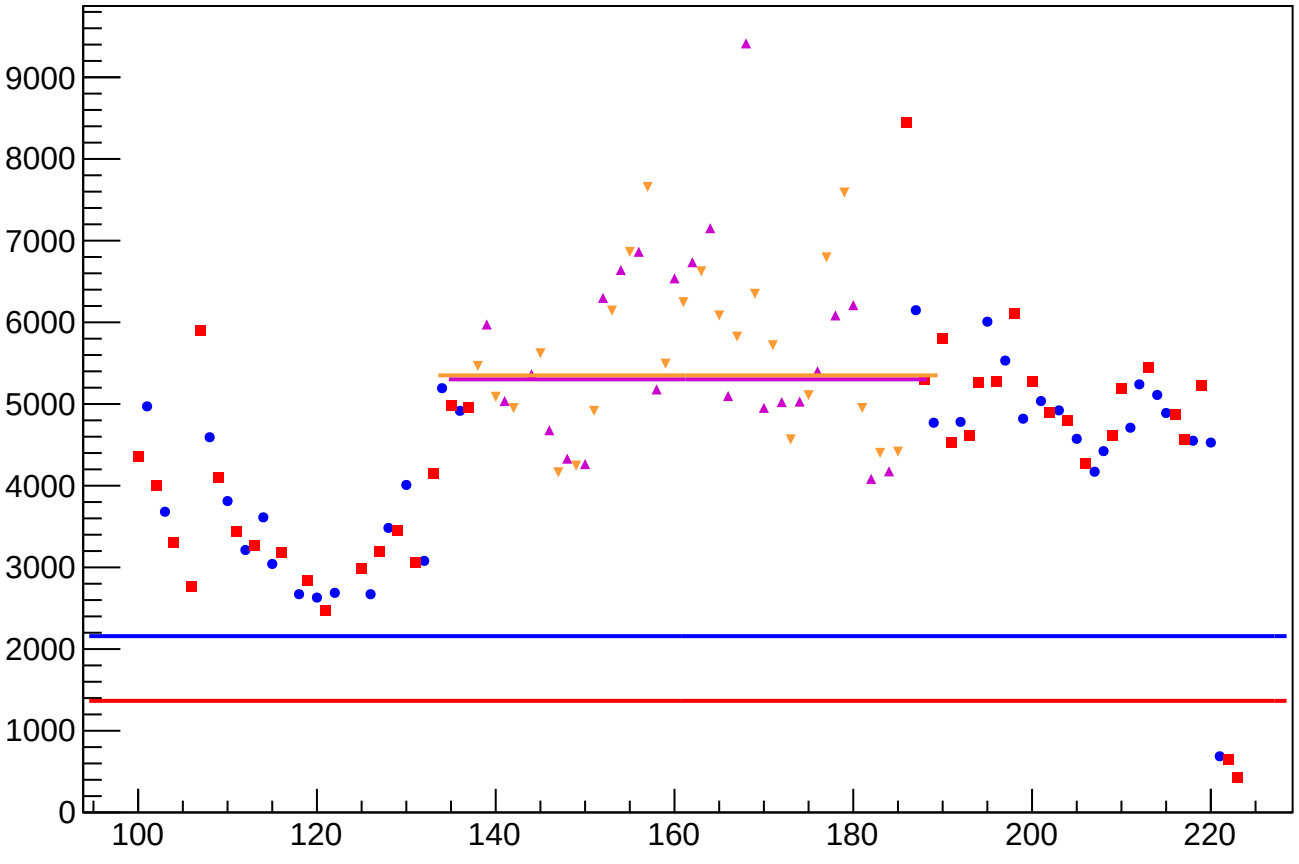
Right Out: -1165.567+/-444.661 χ^2/NDF: 72.0/37

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -1359.360+/-545.223 χ^2/NDF: 74.5/57

All: -1151.450+/-332.464 χ^2/NDF: 160.7/118

- sign -1028.384+/-419.475 χ^2/NDF: 86.0/60



Right In: 2158.399+/-0.427 χ^2/NDF: 17803897.8/33

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 1366.309+/-0.314 χ^2/NDF: 25762118.5/37

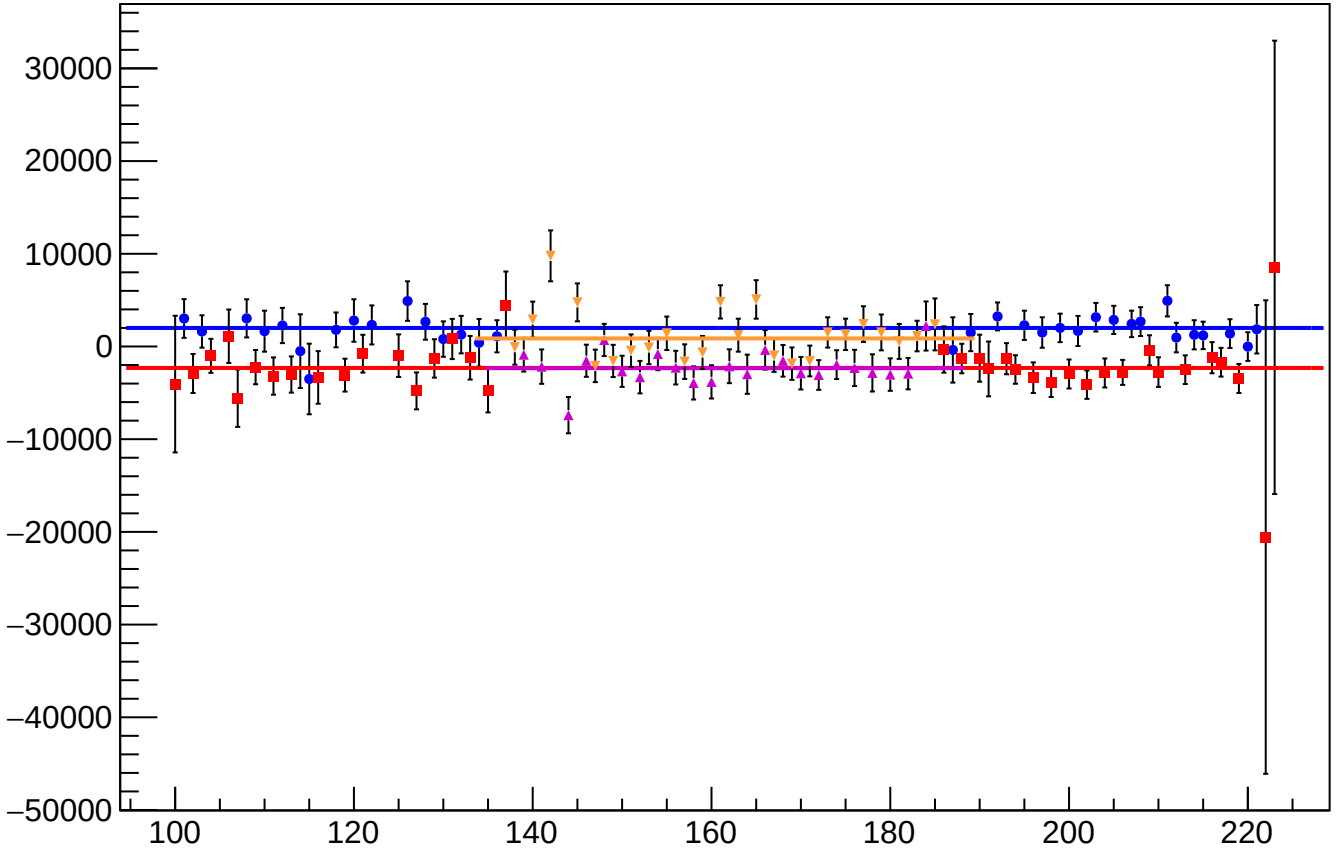
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 2748.403+/-0.386 χ^2/NDF: 29201504.7/57

All: 2152.363+/-0.235 χ^2/NDF: 77273233.6/1

- sign 1799.555+/-0.297 χ^2/NDF: 44266735.6/60

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1999.161+/-311.879 χ^2/NDF: 14.7/33

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2314.550+/-314.668 χ^2/NDF: 21.3/37

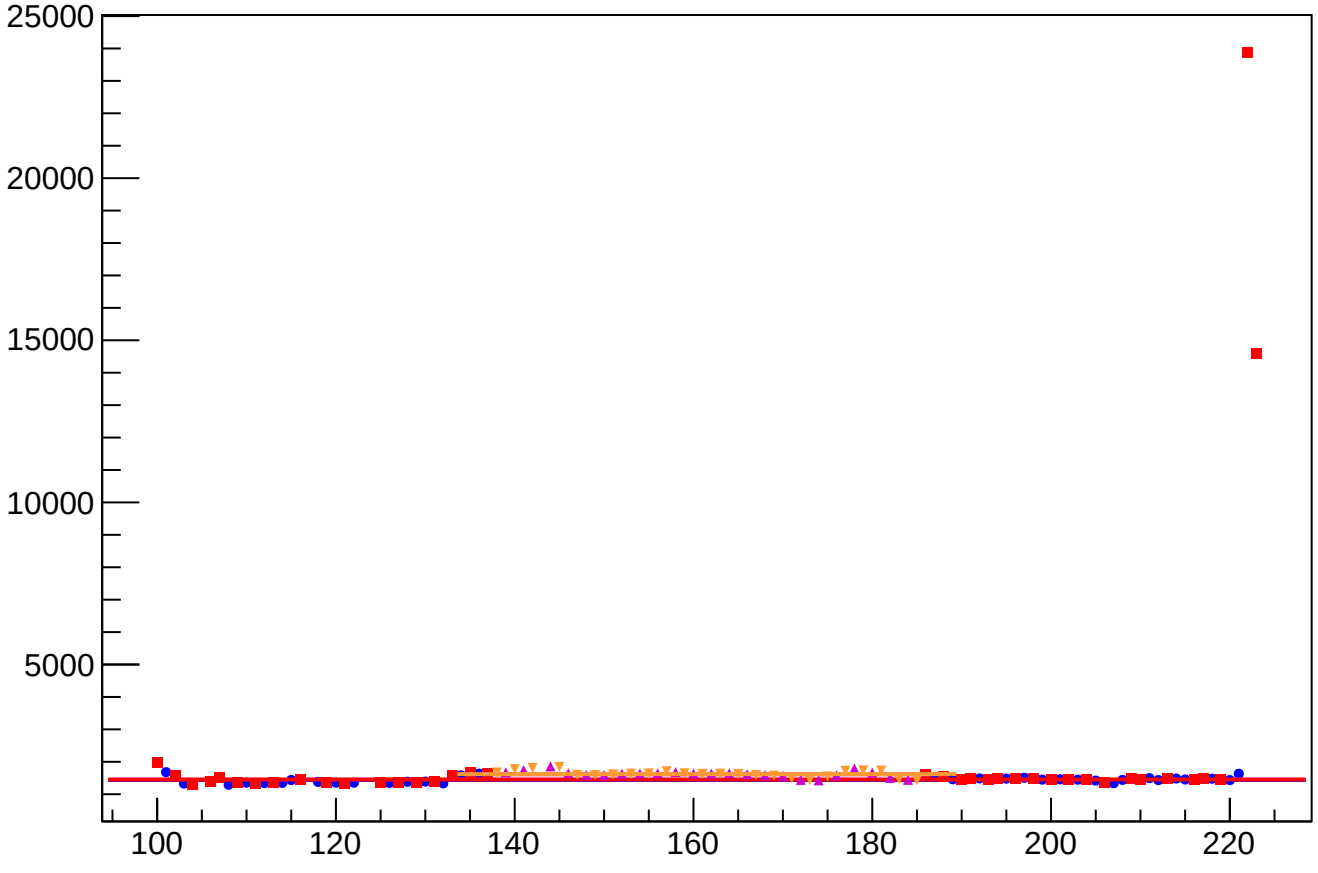
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1539.992+/-240.354 χ^2/NDF: 59.8/57

All: -380.815+/-170.489 χ^2/NDF: 227.7/118

- sign -2325.906+/-241.869 χ^2/NDF: 39.4/60

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1441.319+/-0.221 χ^2/NDF: 140162.6/33

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1453.023+/-0.222 χ^2/NDF: 2253084.7/37

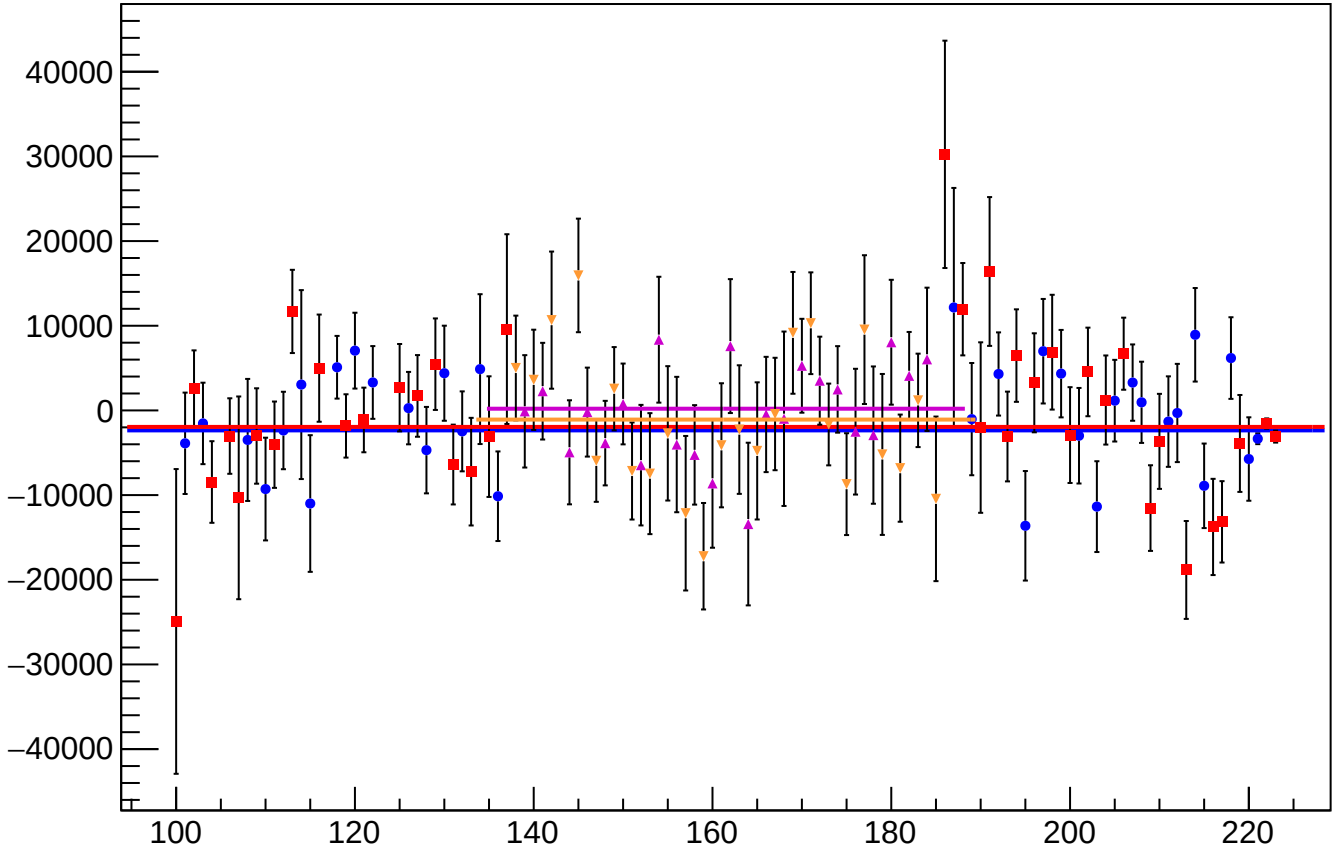
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1514.261+/-0.170 χ^2/NDF: 551550.7/57

All: 1516.873+/-0.121 χ^2/NDF: 3161152.4/11

- sign 1519.515+/-0.171 χ^2/NDF: 2609126.7/60

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -2358.984+/-528.356 χ^2/NDF: 45.2/33

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -1947.565+/-411.371 χ^2/NDF: 72.9/37

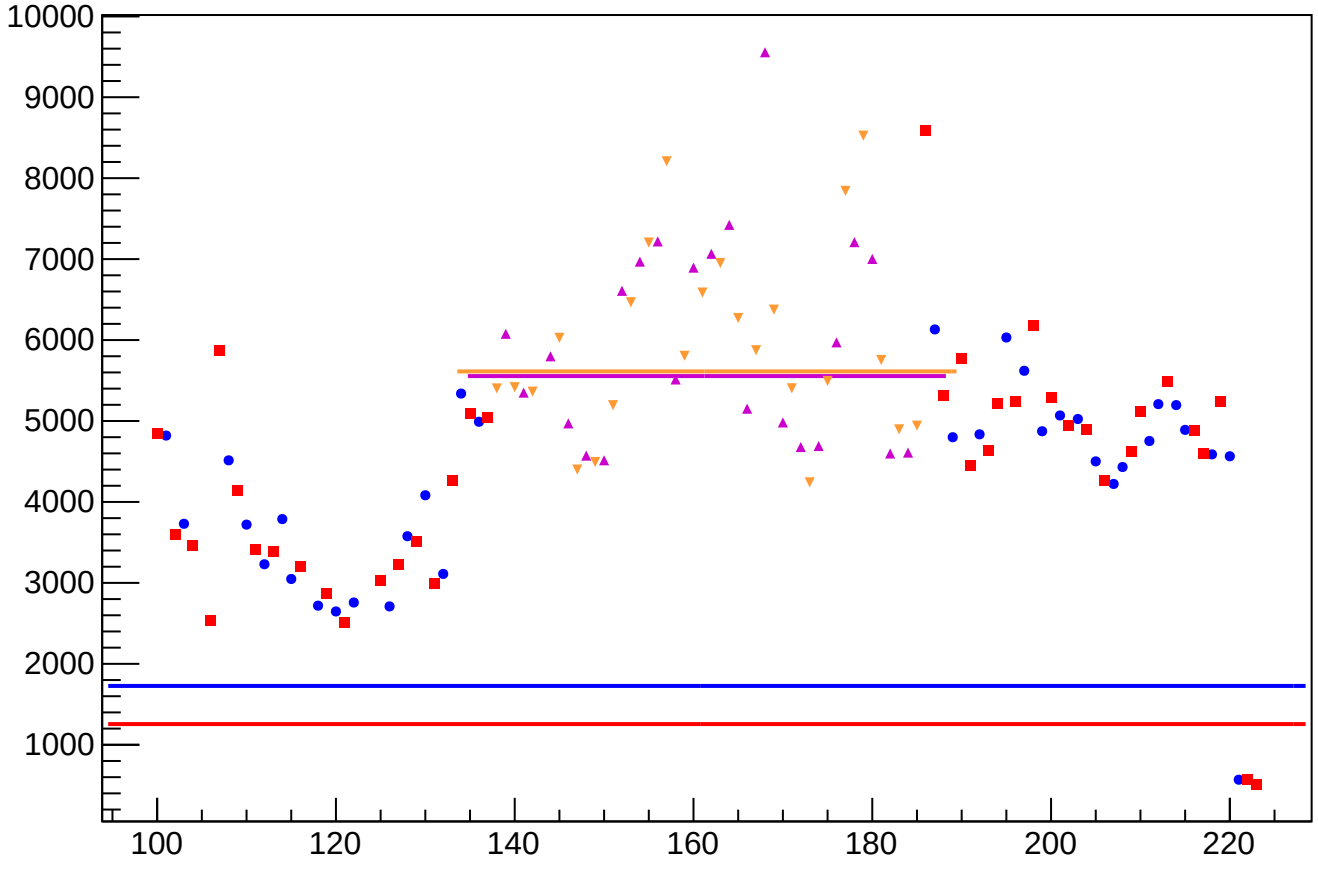
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -2185.499+/-491.149 χ^2/NDF: 79.0/57

All: -1925.380+/-306.810 χ^2/NDF: 167.6/118

- sign -1758.918+/-392.902 χ^2/NDF: 88.1/60

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 1727.160+/-0.374 χ^2/NDF: 22090199.7/33

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

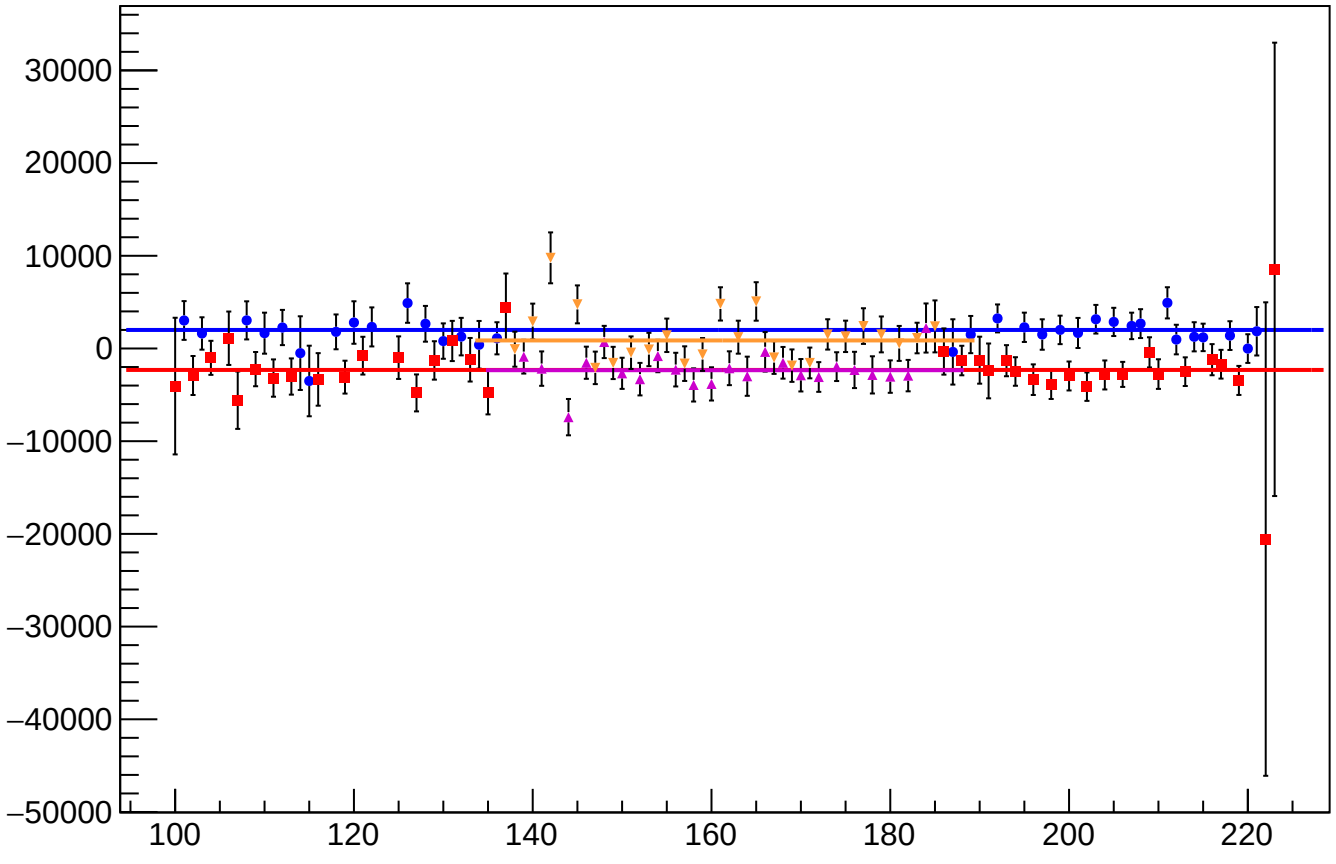
Right Out: 1255.942+/-0.291 χ^2/NDF: 26666994.8/37

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 2255.131+/-0.347 χ^2/NDF: 37975781.3/57

All: 1875.943+/-0.217 χ^2/NDF: 87102549.8/1

- sign 1633.283+/-0.278 χ^2/NDF: 47171784.2/60



Right In: 1999.162+/-311.879 χ^2/NDF: 14.7/33

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2314.546+/-314.668 χ^2/NDF: 21.3/37

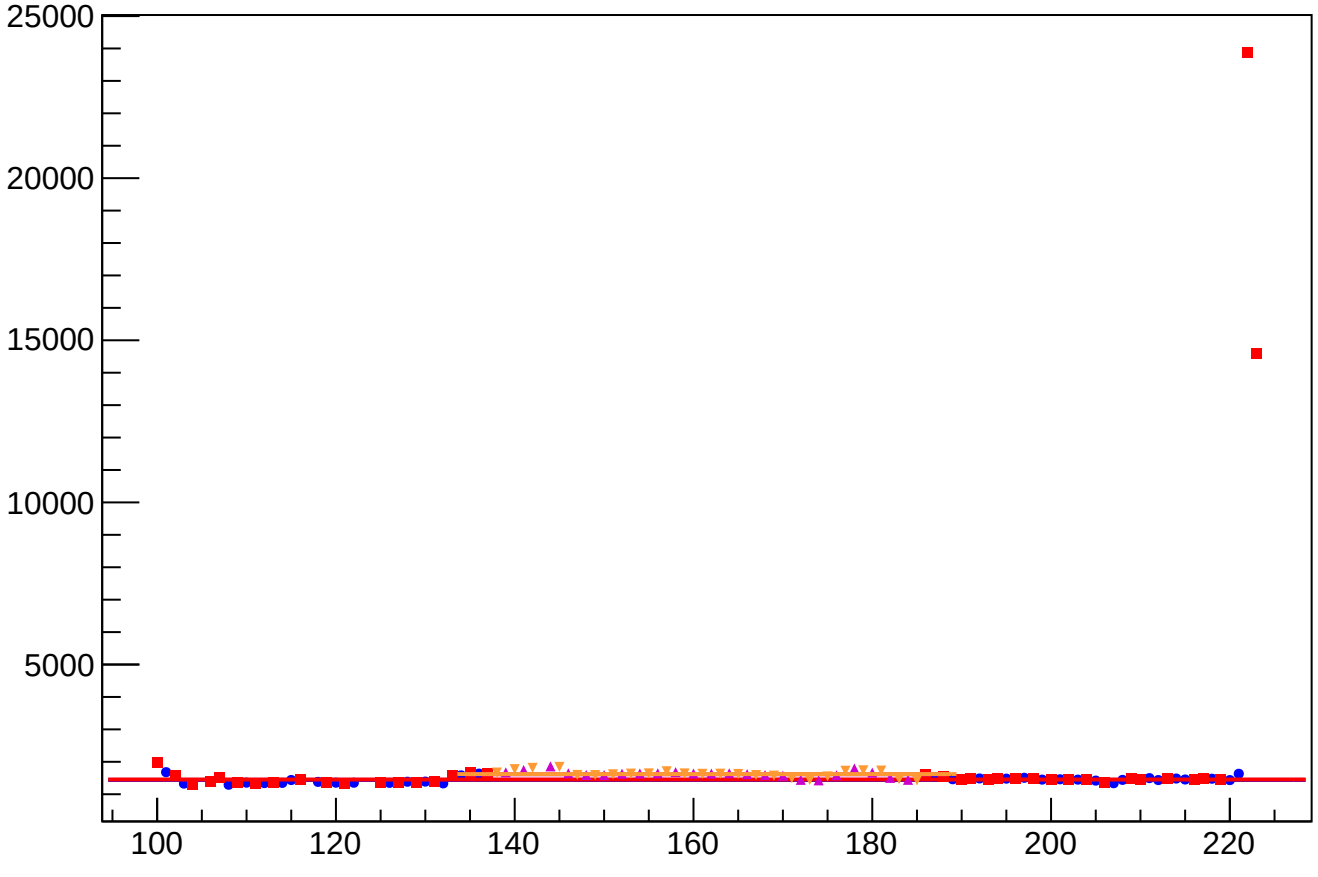
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1539.990+/-240.354 χ^2/NDF: 59.8/57

All: -380.815+/-170.489 χ^2/NDF: 227.7/118

- sign -2325.904+/-241.869 χ^2/NDF: 39.4/60

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1441.319+/-0.221 χ^2/NDF: 140162.6/33

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1453.023+/-0.222 χ^2/NDF: 2253085.0/37

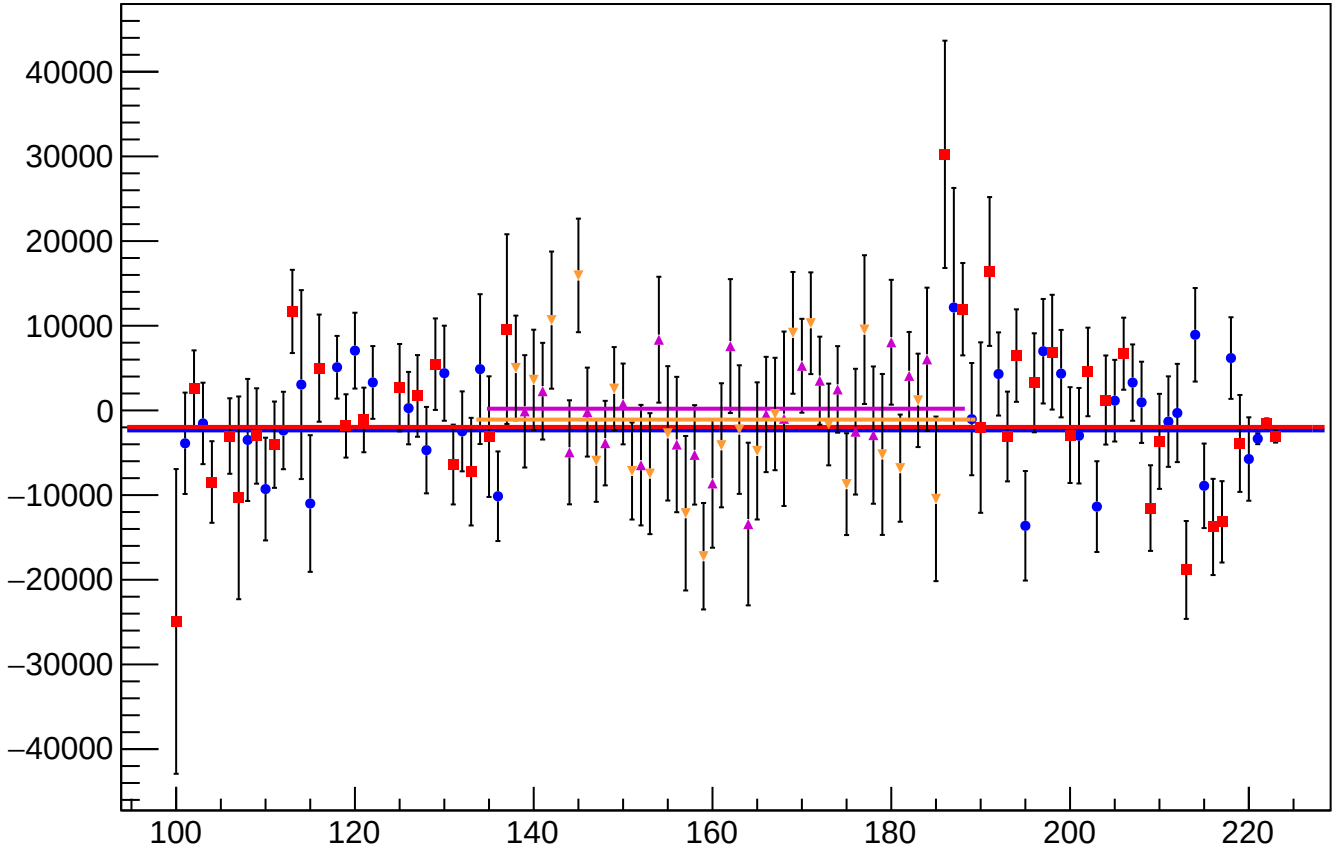
Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1514.262+/-0.170 χ^2/NDF: 551558.8/57

All: 1516.873+/-0.121 χ^2/NDF: 3161168.8/11

- sign 1519.515+/-0.171 χ^2/NDF: 2609135.1/60

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -2358.985+/-528.356 χ^2/NDF: 45.2/33

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

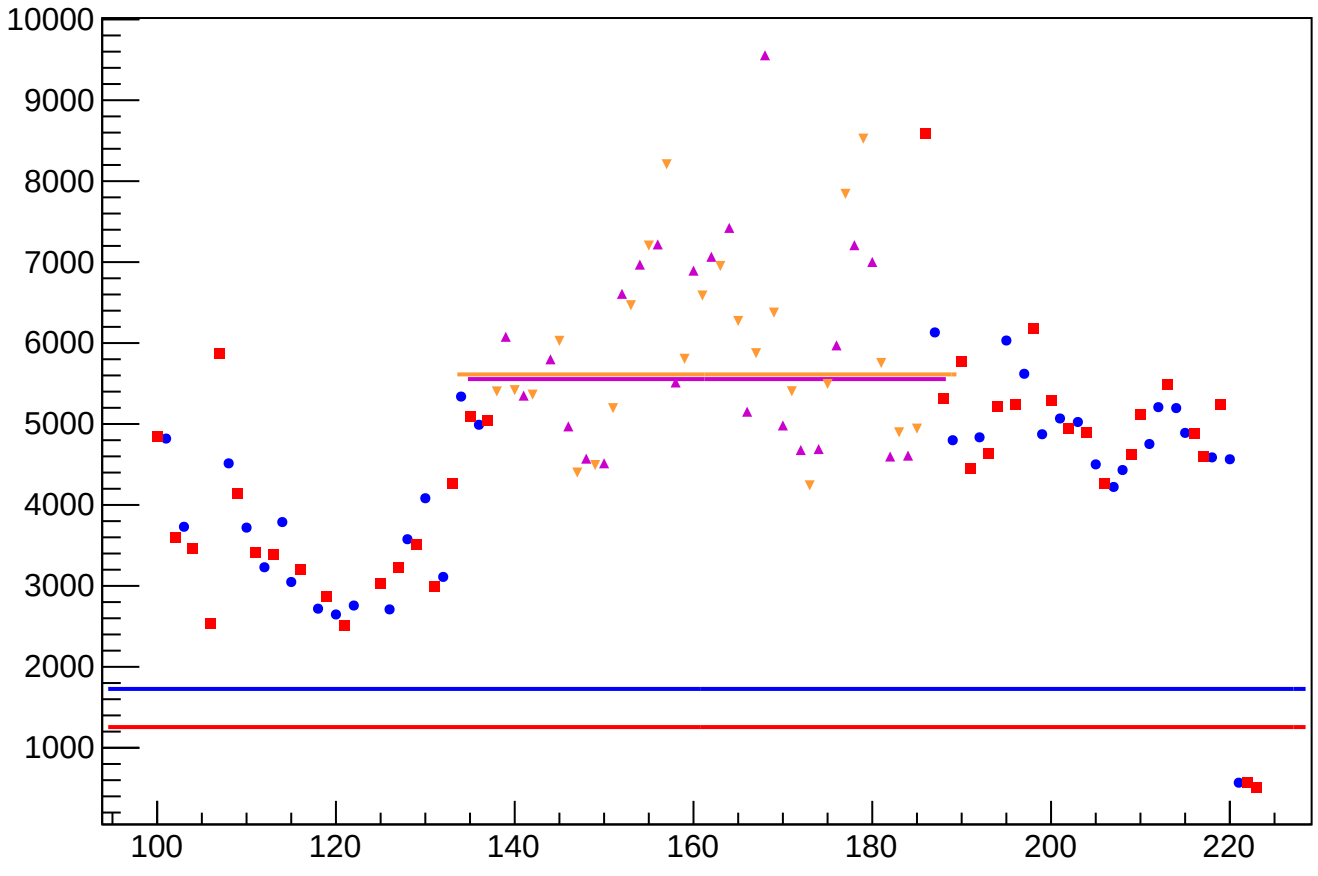
Right Out: -1947.565+/-411.370 χ^2/NDF: 72.9/37

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -2185.501+/-491.150 χ^2/NDF: 79.0/57

All: -1925.381+/-306.810 χ^2/NDF: 167.6/118

- sign -1758.919+/-392.902 χ^2/NDF: 88.1/60



Right In: 1727.163+/-0.374 χ^2/NDF: 22090180.1/33

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 1255.941+/-0.291 χ^2/NDF: 26667007.1/37

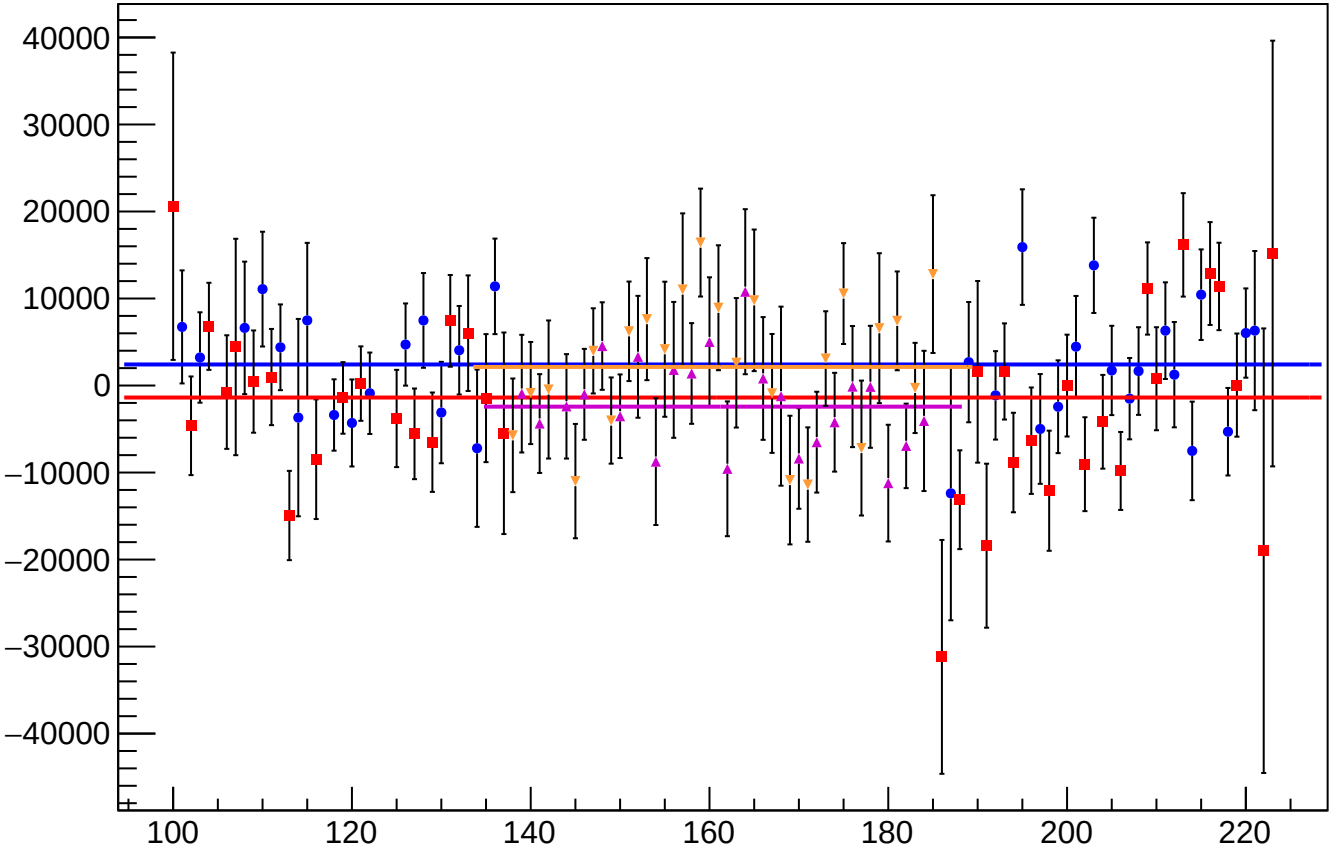
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 2255.135+/-0.347 χ^2/NDF: 37975764.3/57

All: 1875.942+/-0.217 χ^2/NDF: 87102618.2/1

- sign 1633.281+/-0.278 χ^2/NDF: 47171836.5/60

asym_usl_atl2_avg_mean vs Slug



Right In: 2420.295+/-975.729 χ^2/NDF: 35.6/33

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -1378.682+/-984.760 χ^2/NDF: 70.2/37

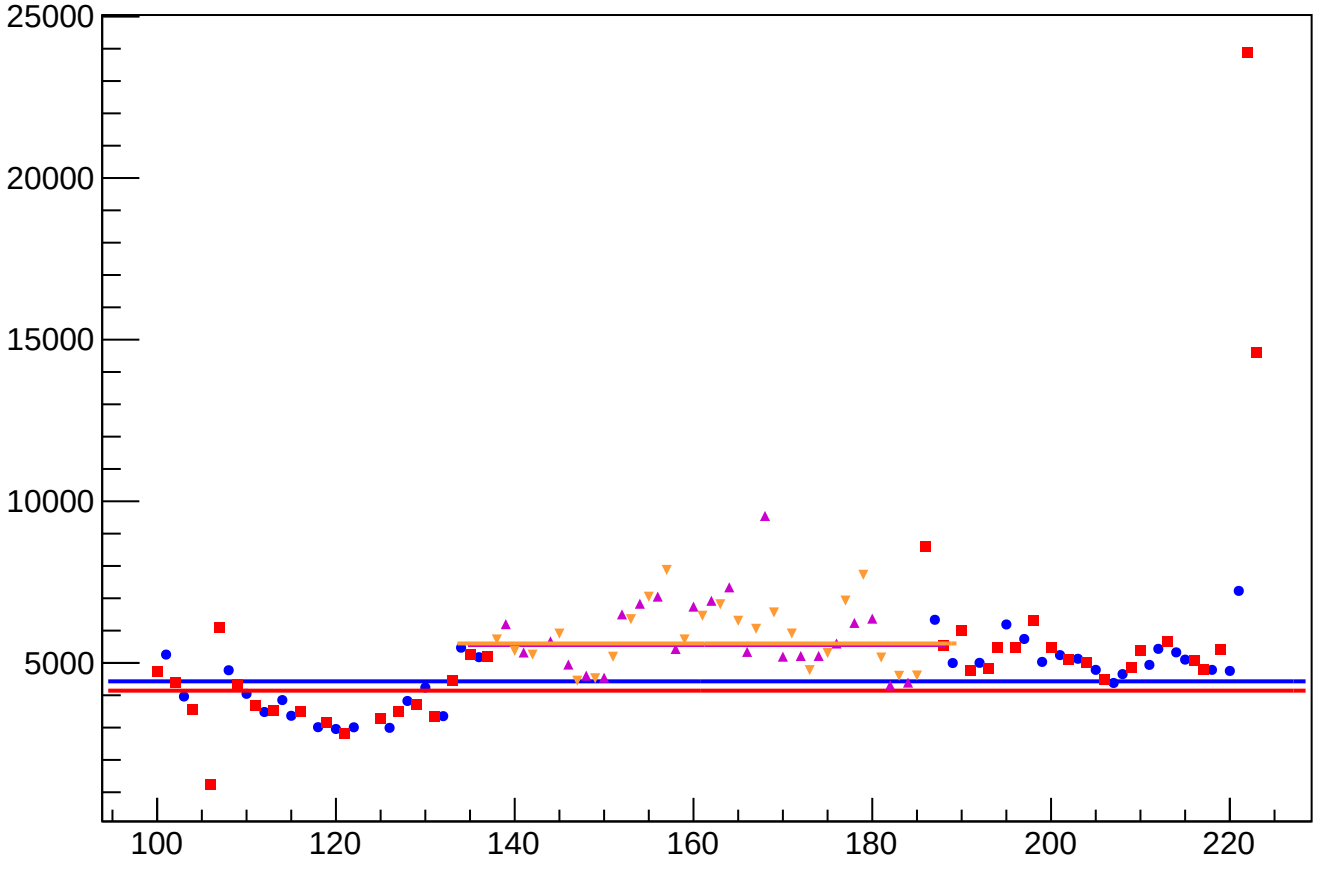
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2321.027+/-785.554 χ^2/NDF: 66.3/57

All: 294.073+/-556.875 χ^2/NDF: 163.2/118

- sign -1753.501+/-789.540 χ^2/NDF: 83.5/60

asym_usl_atl2_avg_rms vs Slug



Right In: 4430.610+/-0.690 χ^2/NDF: 1901539.2/33

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

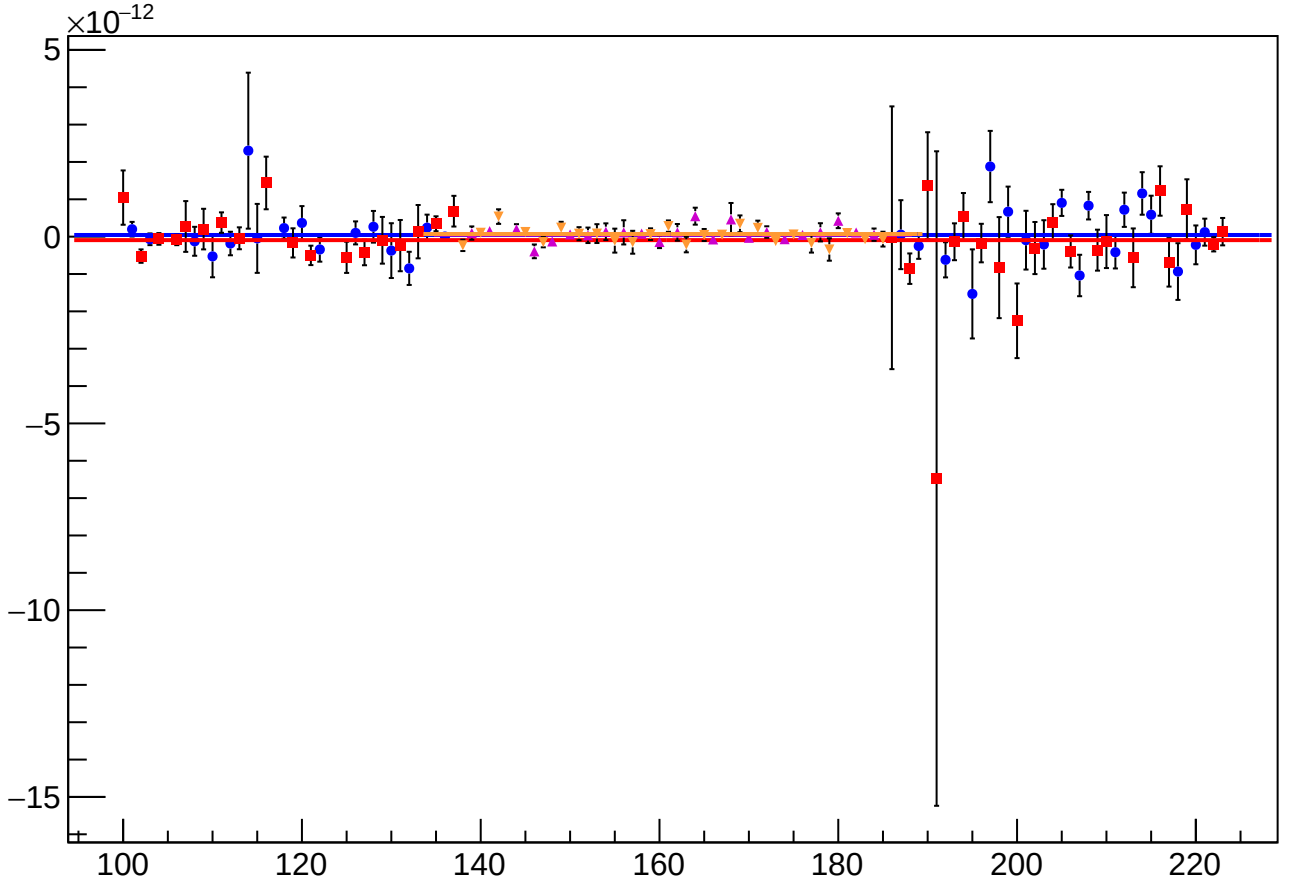
Right Out: 4142.855+/-0.665 χ^2/NDF: 5813816.9/37

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4842.823+/-0.555 χ^2/NDF: 3856591.3/57

All: 4727.161+/-0.388 χ^2/NDF: 12382215.0/1

- sign 4617.208+/-0.542 χ^2/NDF: 8441050.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 45.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 49.4/37

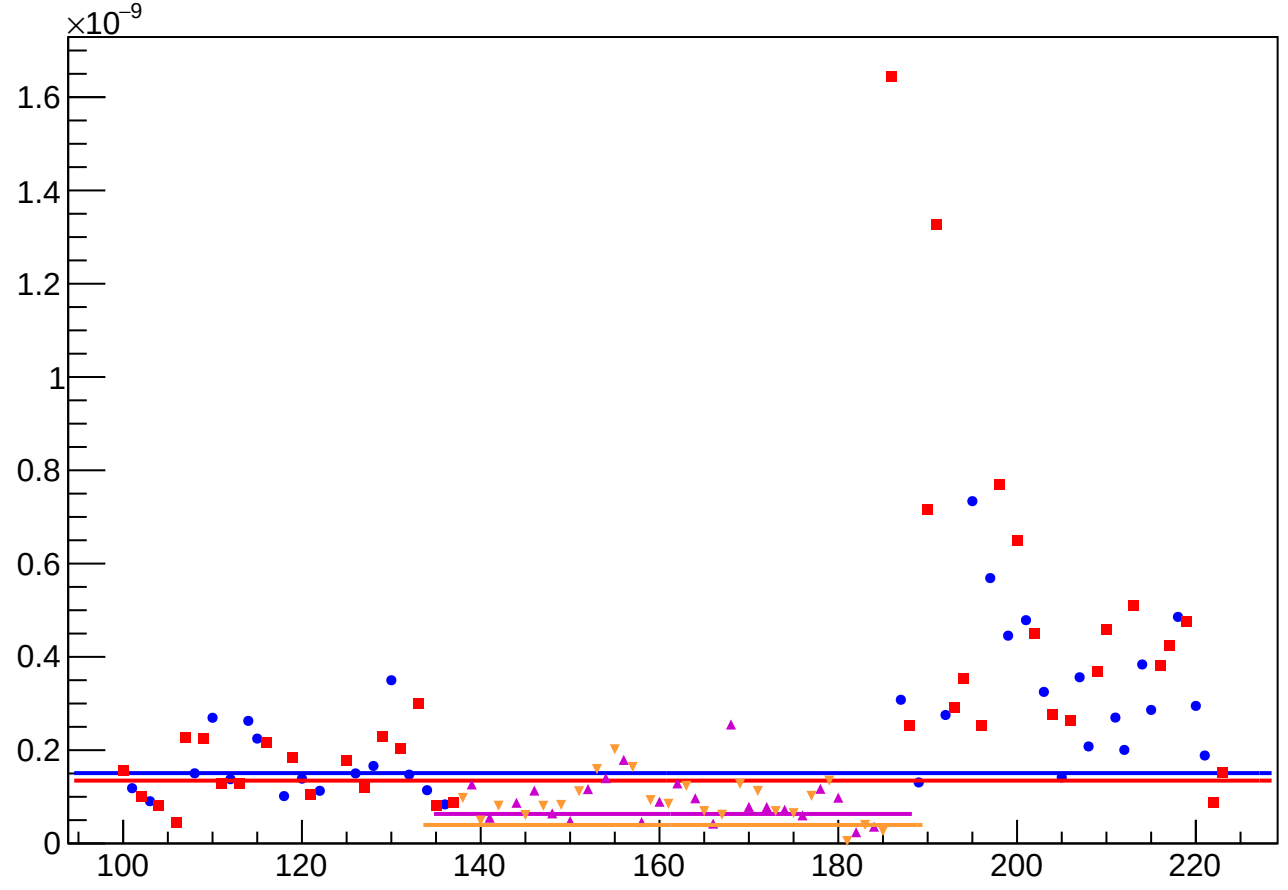
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.8/57

All: 0.000+/-0.000 χ^2/NDF: 155.6/118

- sign 0.000+/-0.000 χ^2/NDF: 80.2/60

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4703213.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7261695.6/37

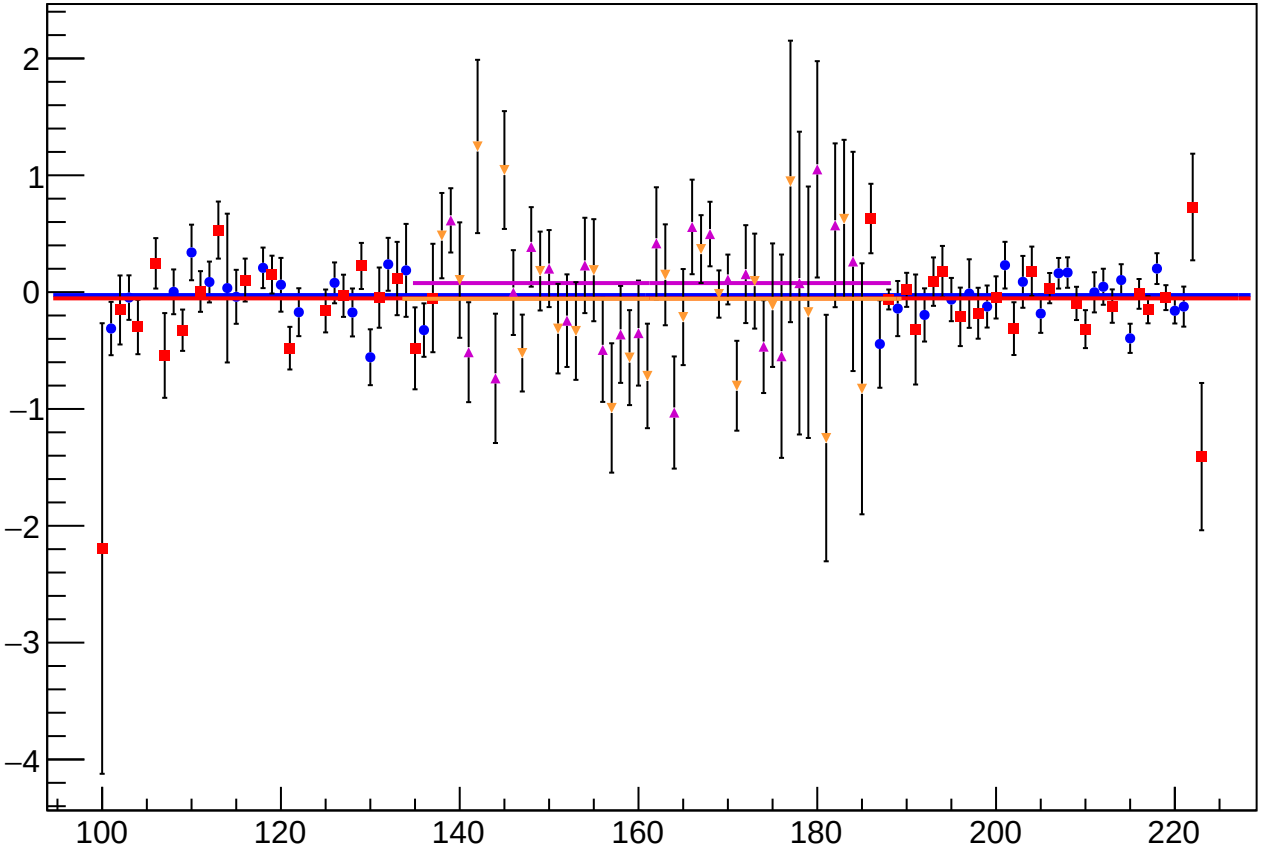
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17606494.1/57

All: 0.000+/-0.000 χ^2/NDF: 31475398.4/118

- sign 0.000+/-0.000 χ^2/NDF: 12732884.6/60

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.054+/-0.030 χ^2/NDF: 48.7/37

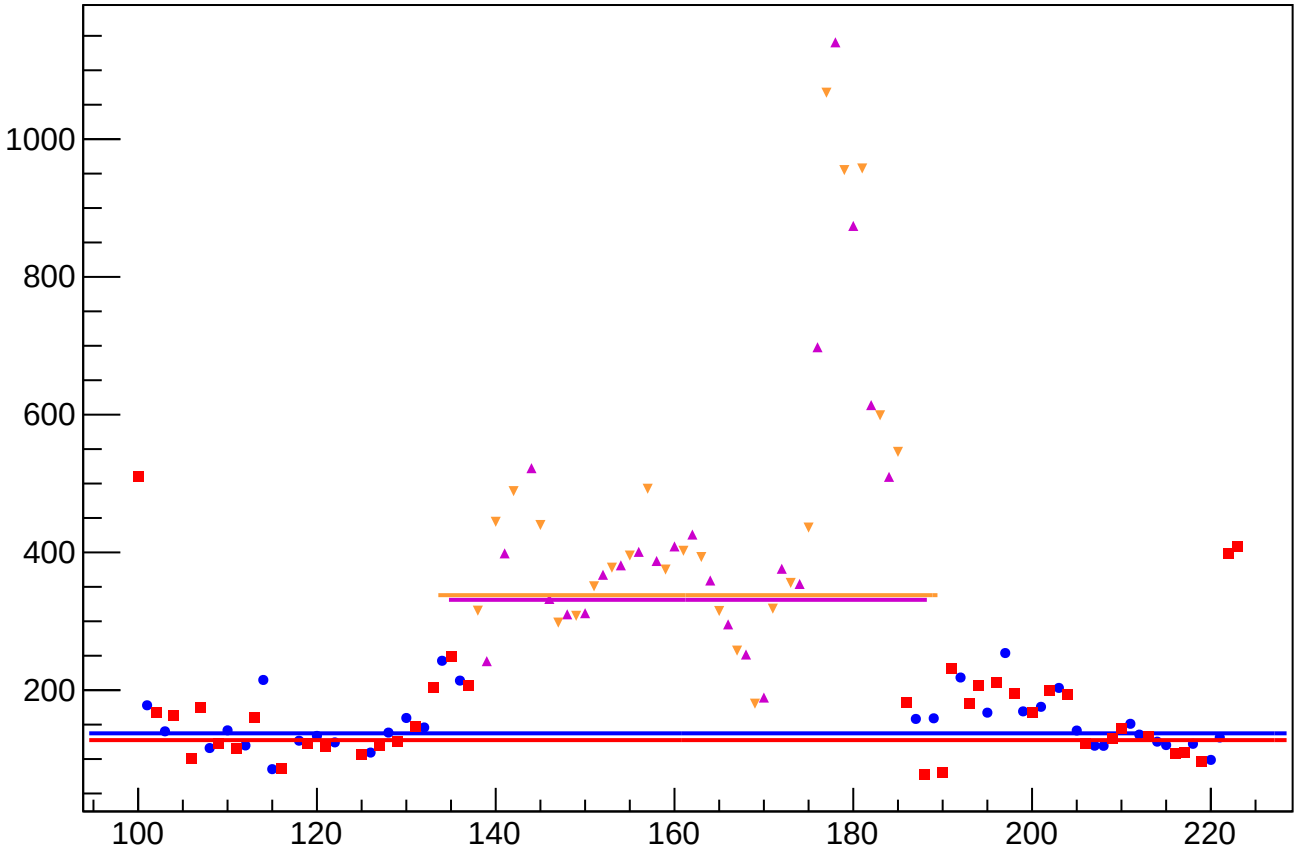
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.029 χ^2/NDF: 70.7/57

All: -0.034+/-0.020 χ^2/NDF: 148.7/118

- sign -0.039+/-0.028 χ^2/NDF: 78.0/60

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.331+/-0.022 χ^2/NDF: 2076274.4/33

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

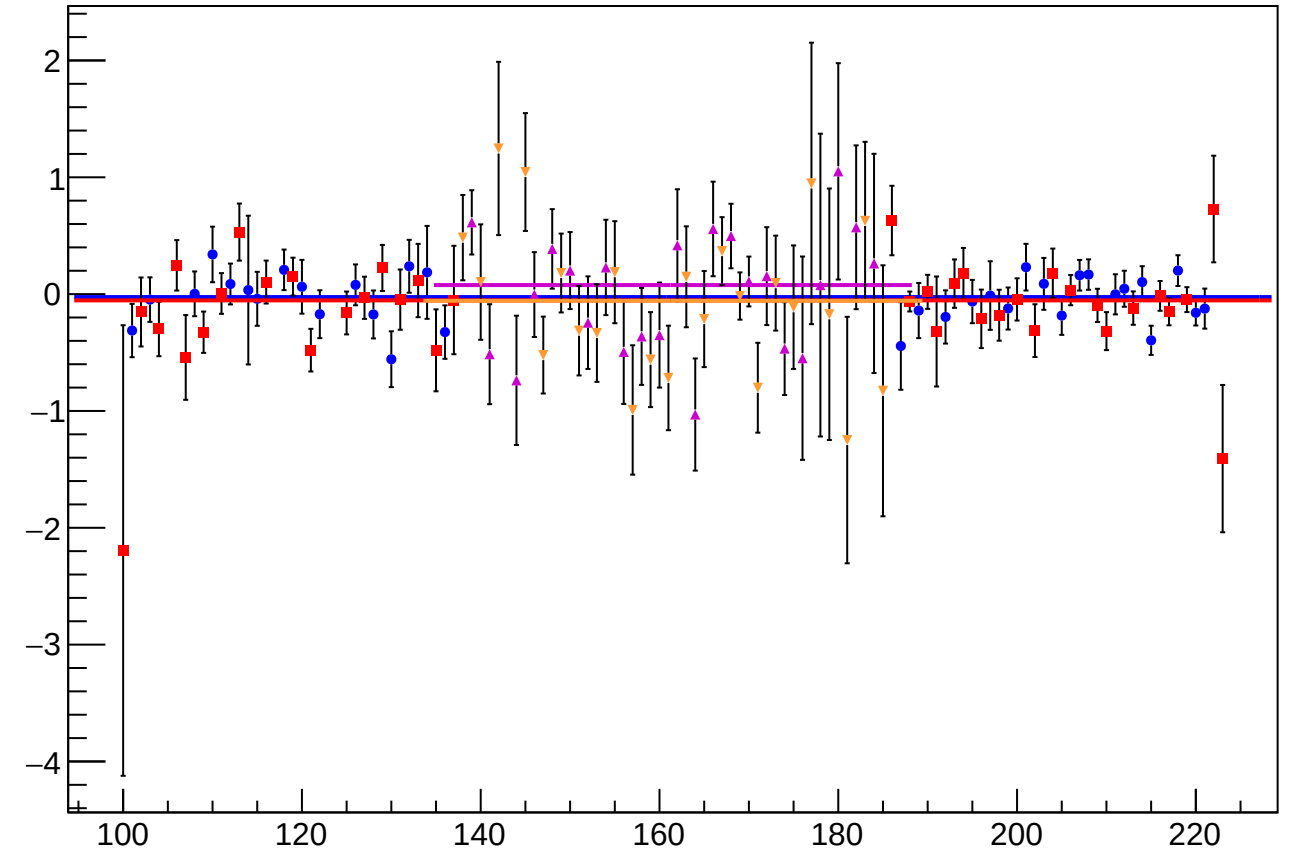
Right Out: 127.481+/-0.021 χ^2/NDF: 4615815.4/37

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 160.942+/-0.021 χ^2/NDF: 16316585.6/57

All: 155.296+/-0.014 χ^2/NDF: 35774887.1/11

- sign 150.199+/-0.020 χ^2/NDF: 19317172.3/60



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

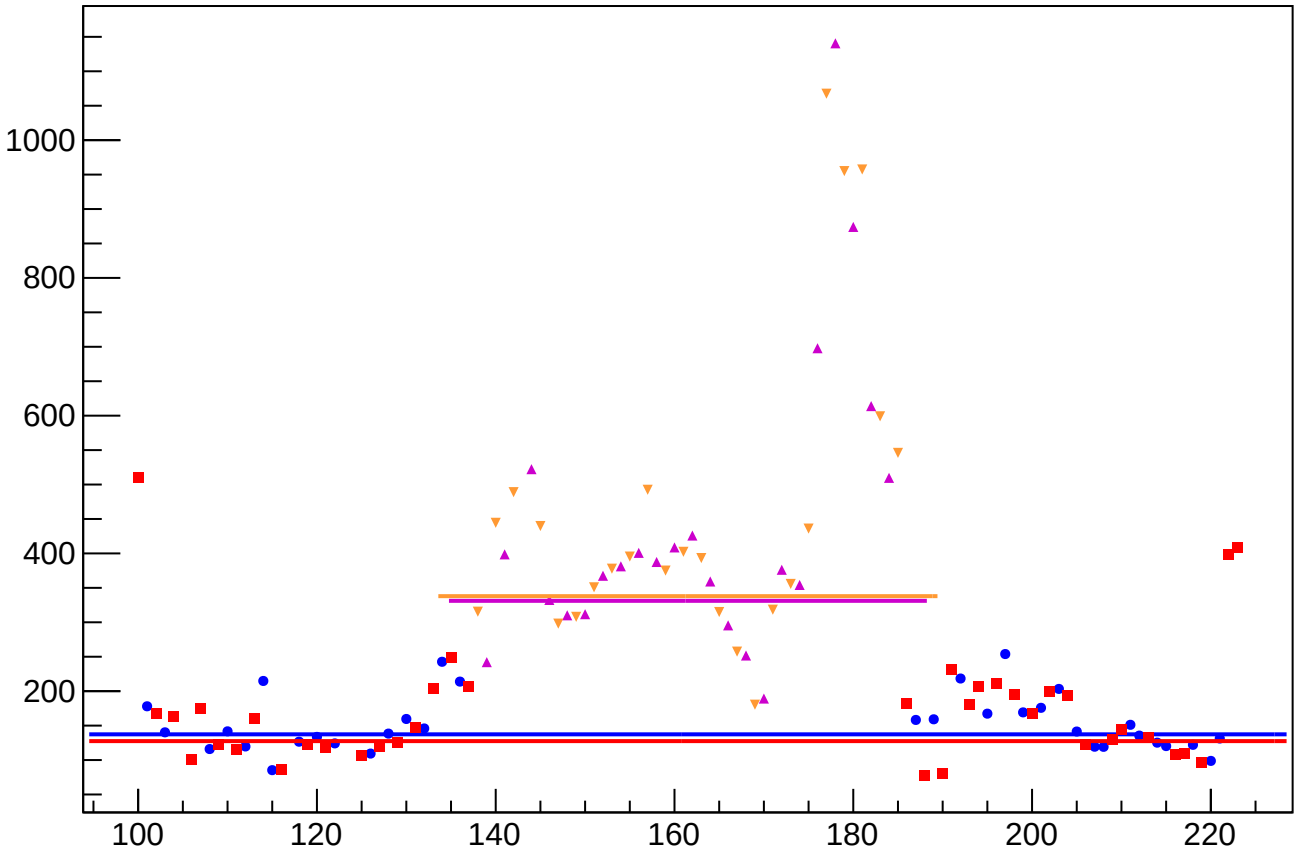
Right Out: -0.054+/-0.030 χ^2/NDF: 48.7/37

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.029 χ^2/NDF: 70.7/57

All: -0.034+/-0.020 χ^2/NDF: 148.7/118

- sign -0.039+/-0.028 χ^2/NDF: 78.0/60



Right In: 137.331+/-0.022 χ^2/NDF: 2076274.4/33

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

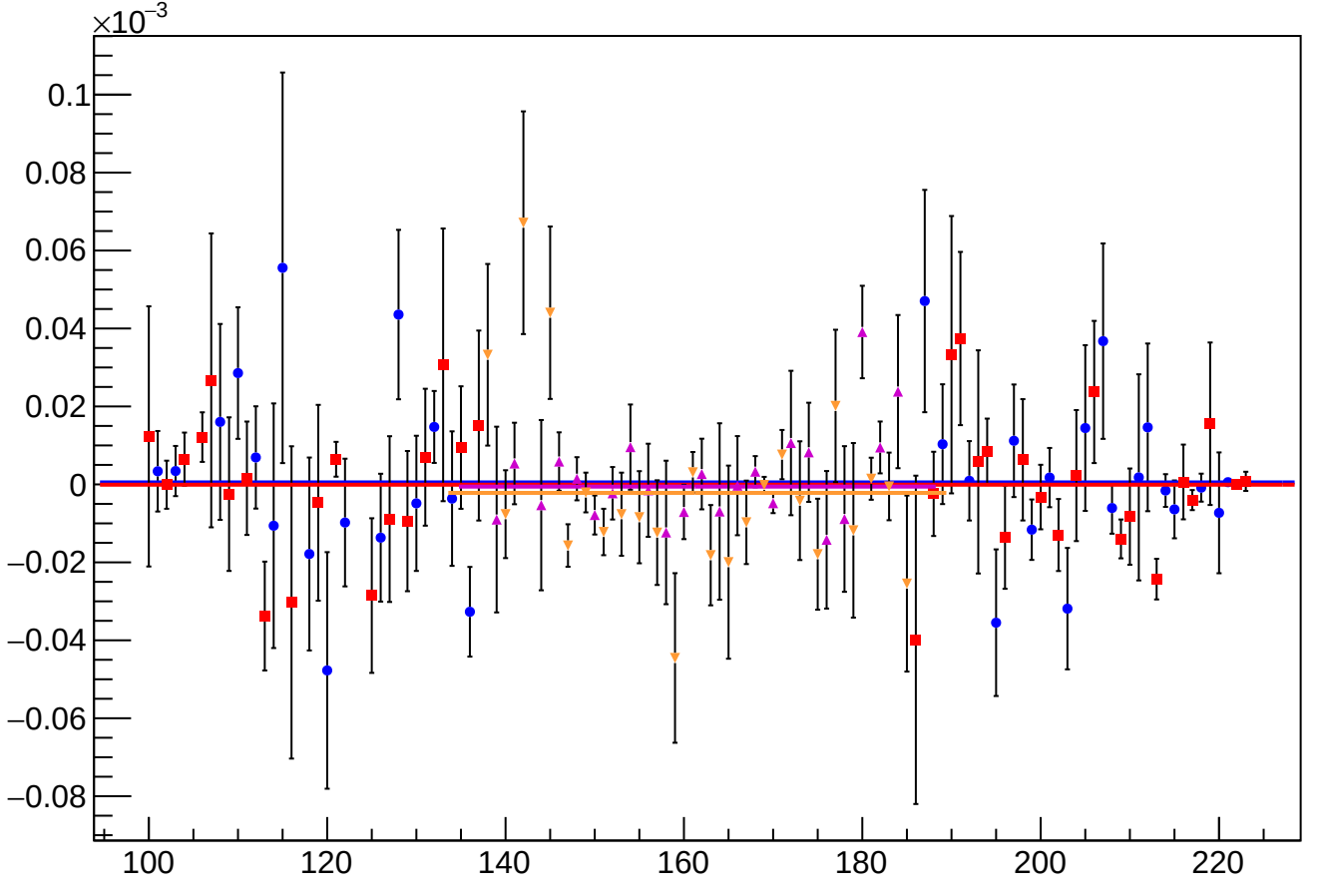
Right Out: 127.481+/-0.021 χ^2/NDF: 4615815.4/37

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 160.942+/-0.021 χ^2/NDF: 16316585.6/57

All: 155.296+/-0.014 χ^2/NDF: 35774887.1/11

- sign 150.199+/-0.020 χ^2/NDF: 19317172.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 43.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

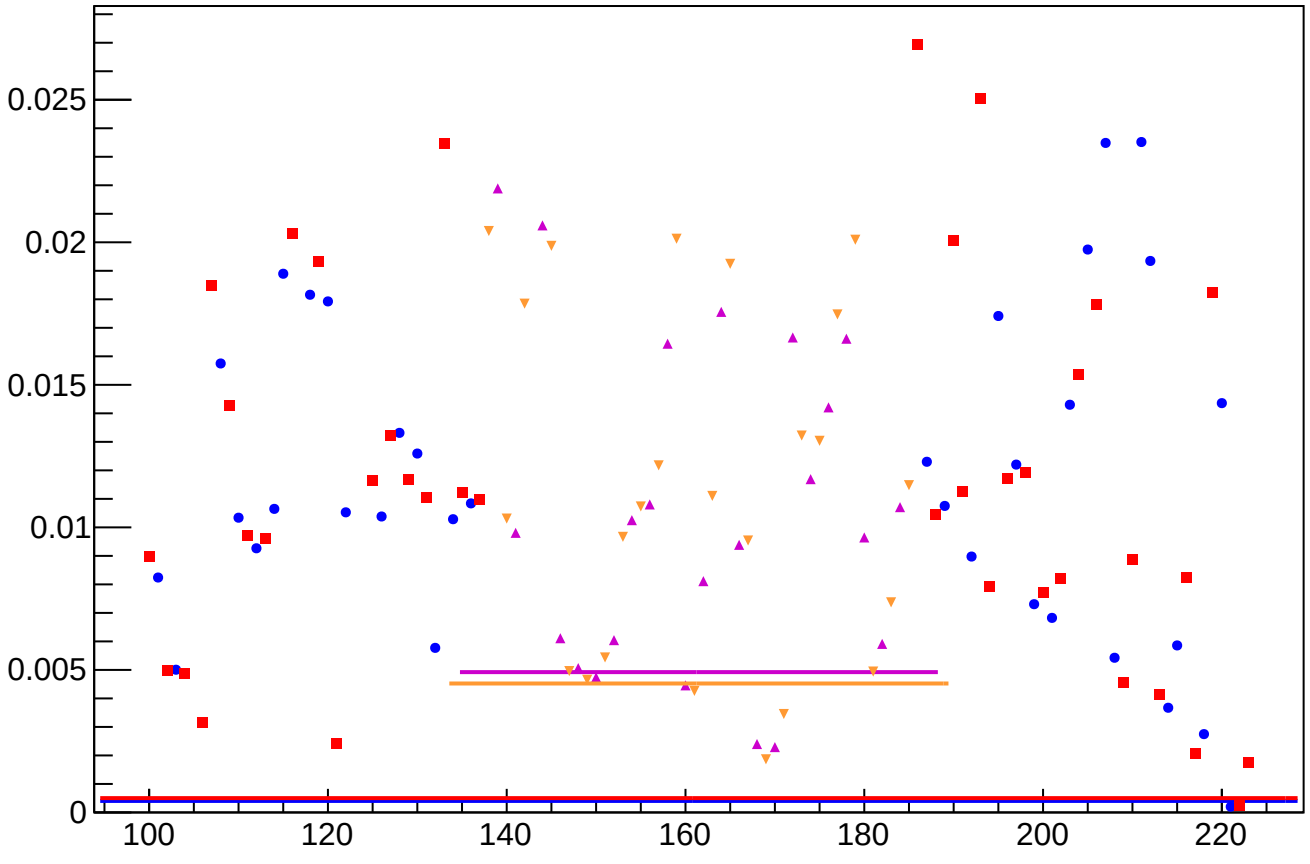
Right Out: -0.000+/-0.000 χ^2/NDF: 61.8/37

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 85.0/57

All: 0.000+/-0.000 χ^2/NDF: 174.3/118

- sign -0.000+/-0.000 χ^2/NDF: 88.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 36303248.9/33

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

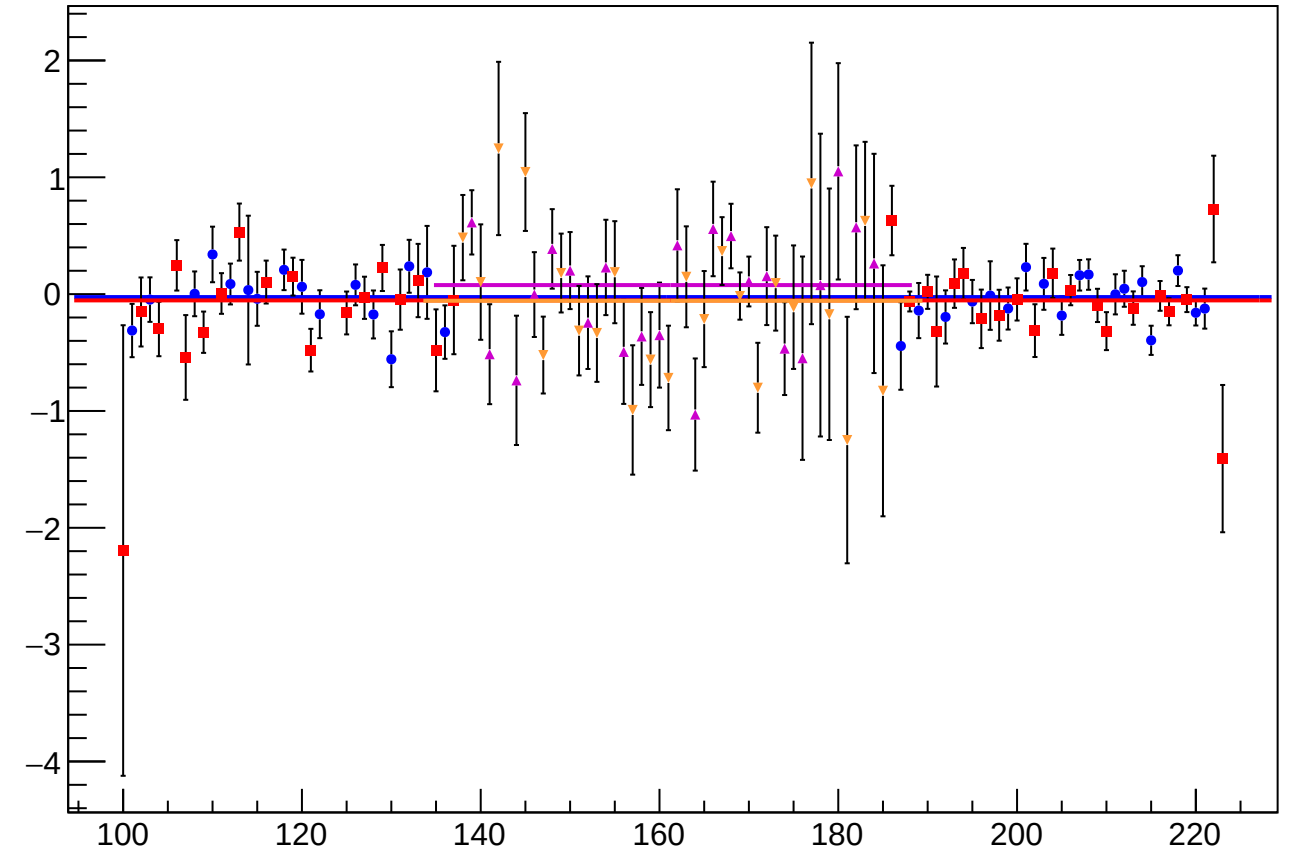
Right Out: 0.001+/-0.000 χ^2/NDF: 36289349.5/37

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 67010501.8/57

All: 0.001+/-0.000 χ^2/NDF: 131756079.3/118

- sign 0.001+/-0.000 χ^2/NDF: 64631837.0/60



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

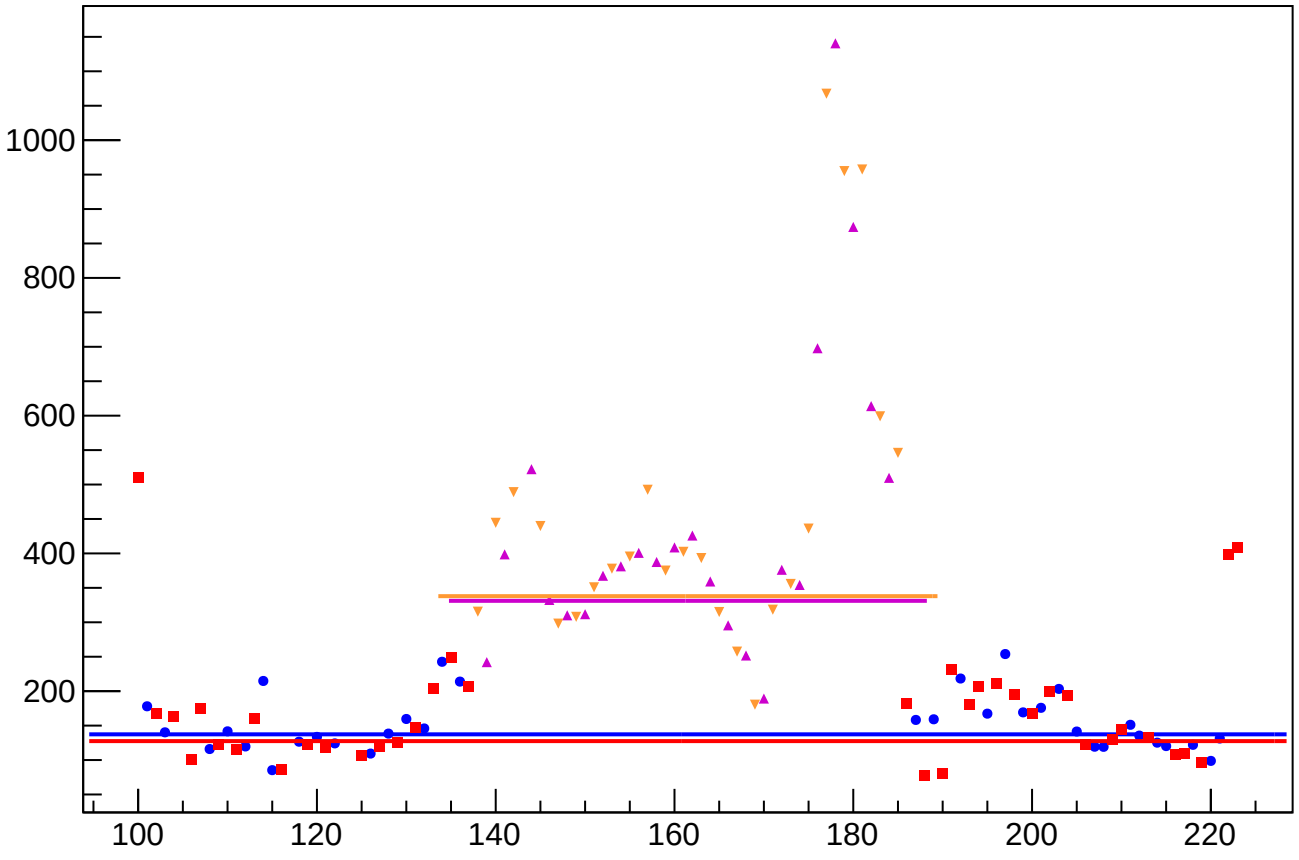
Right Out: -0.054+/-0.030 χ^2/NDF: 48.7/37

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.029 χ^2/NDF: 70.7/57

All: -0.034+/-0.020 χ^2/NDF: 148.7/118

- sign -0.039+/-0.028 χ^2/NDF: 78.0/60



Right In: 137.331+/-0.022 χ^2/NDF: 2076241.3/33

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

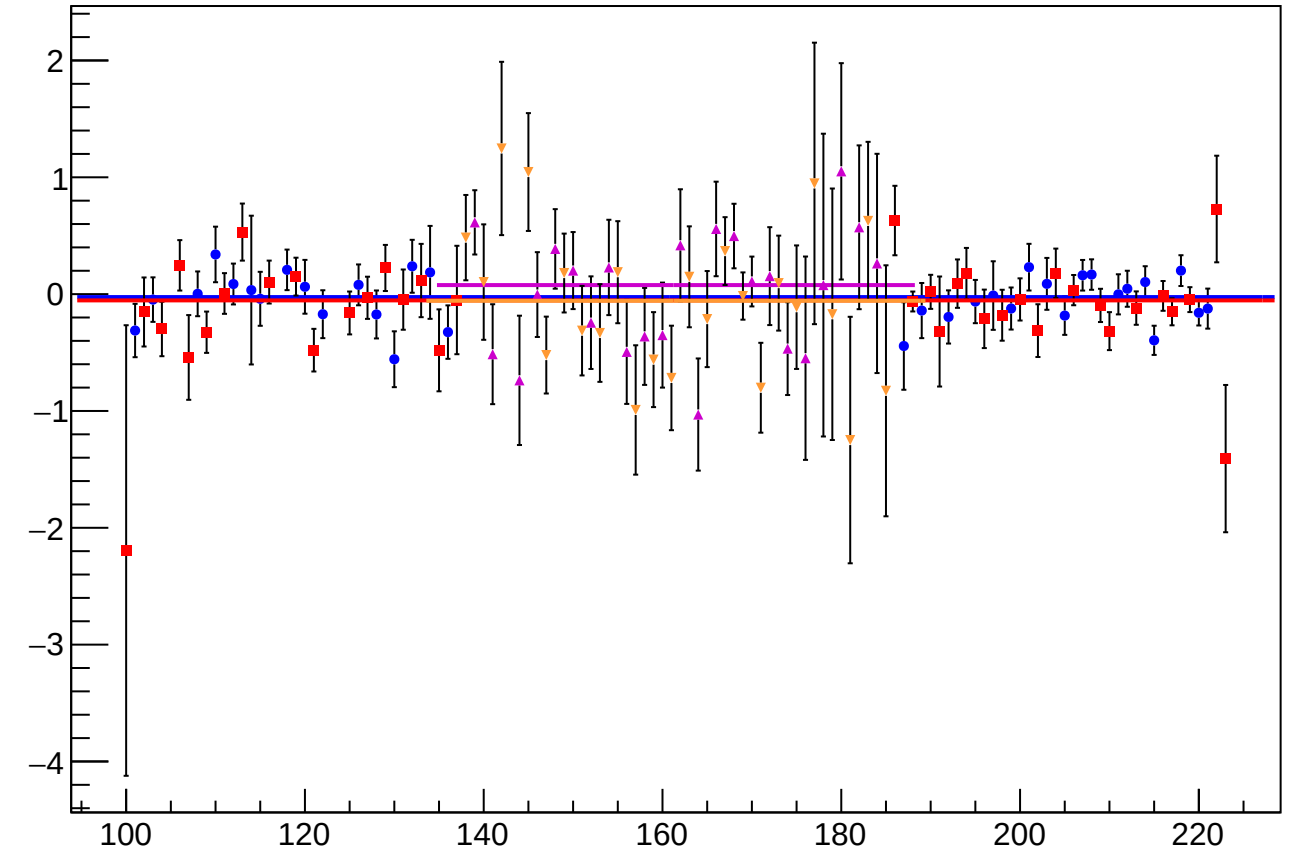
Right Out: 127.480+/-0.021 χ^2/NDF: 4615957.7/37

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 160.943+/-0.021 χ^2/NDF: 16316650.7/57

All: 155.296+/-0.014 χ^2/NDF: 35775412.0/11

- sign 150.198+/-0.020 χ^2/NDF: 19317585.6/60



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

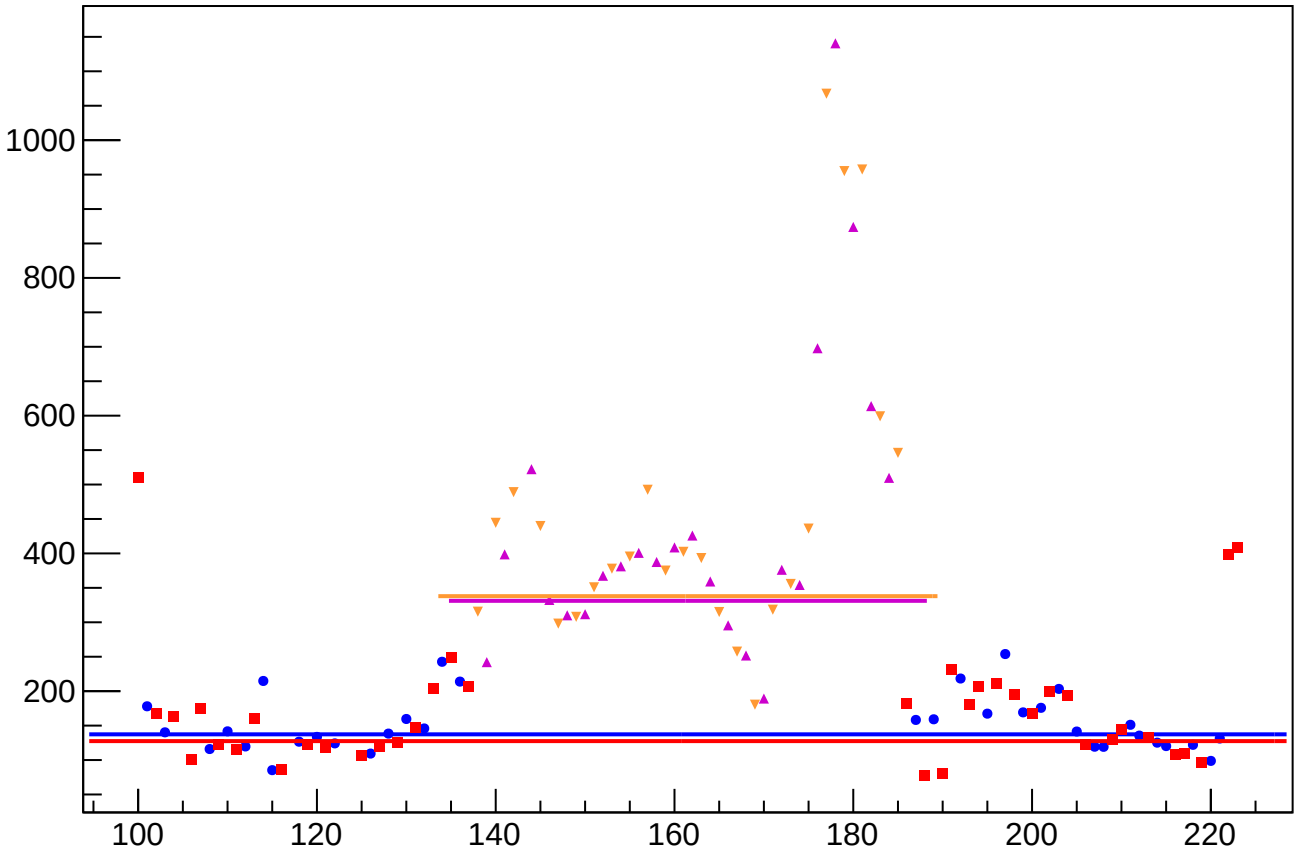
Right Out: -0.054+/-0.030 χ^2/NDF: 48.7/37

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.029 χ^2/NDF: 70.7/57

All: -0.034+/-0.020 χ^2/NDF: 148.7/118

- sign -0.039+/-0.028 χ^2/NDF: 78.0/60



Right In: 137.331+/-0.022 χ^2/NDF: 2076241.3/33

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

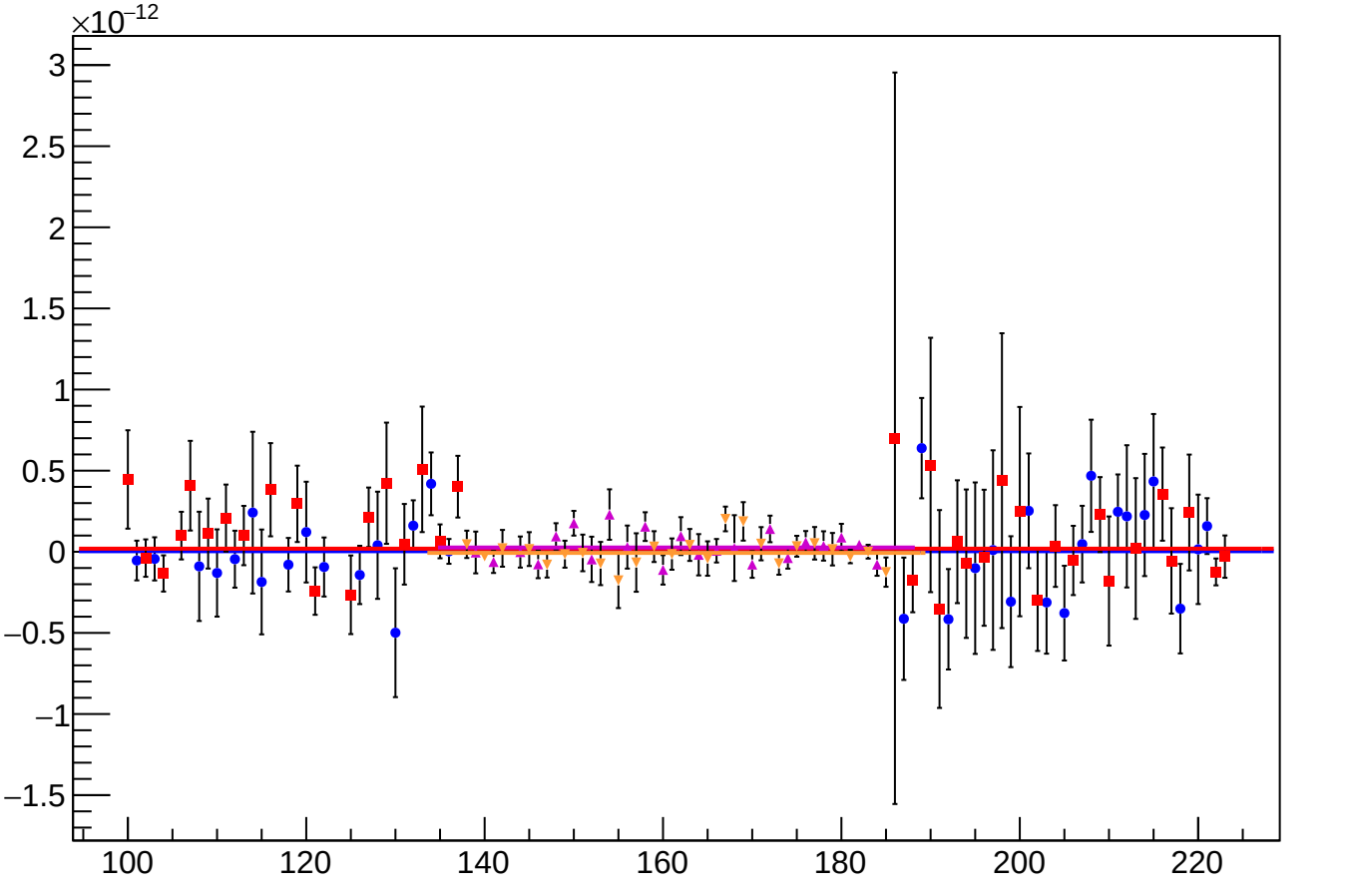
Right Out: 127.480+/-0.021 χ^2/NDF: 4615957.7/37

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 160.943+/-0.021 χ^2/NDF: 16316650.7/57

All: 155.296+/-0.014 χ^2/NDF: 35775412.0/11

- sign 150.198+/-0.020 χ^2/NDF: 19317585.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

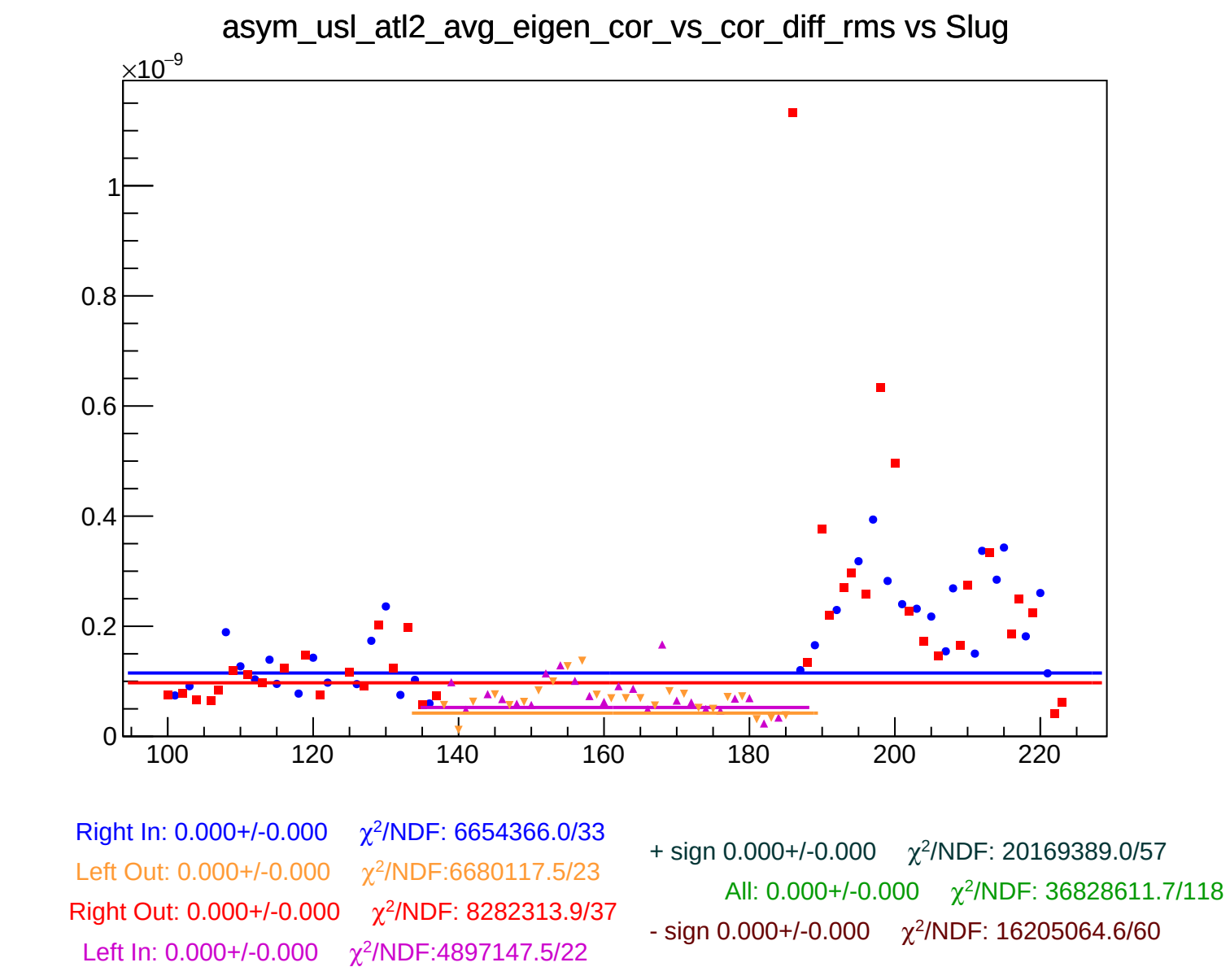
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/37

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

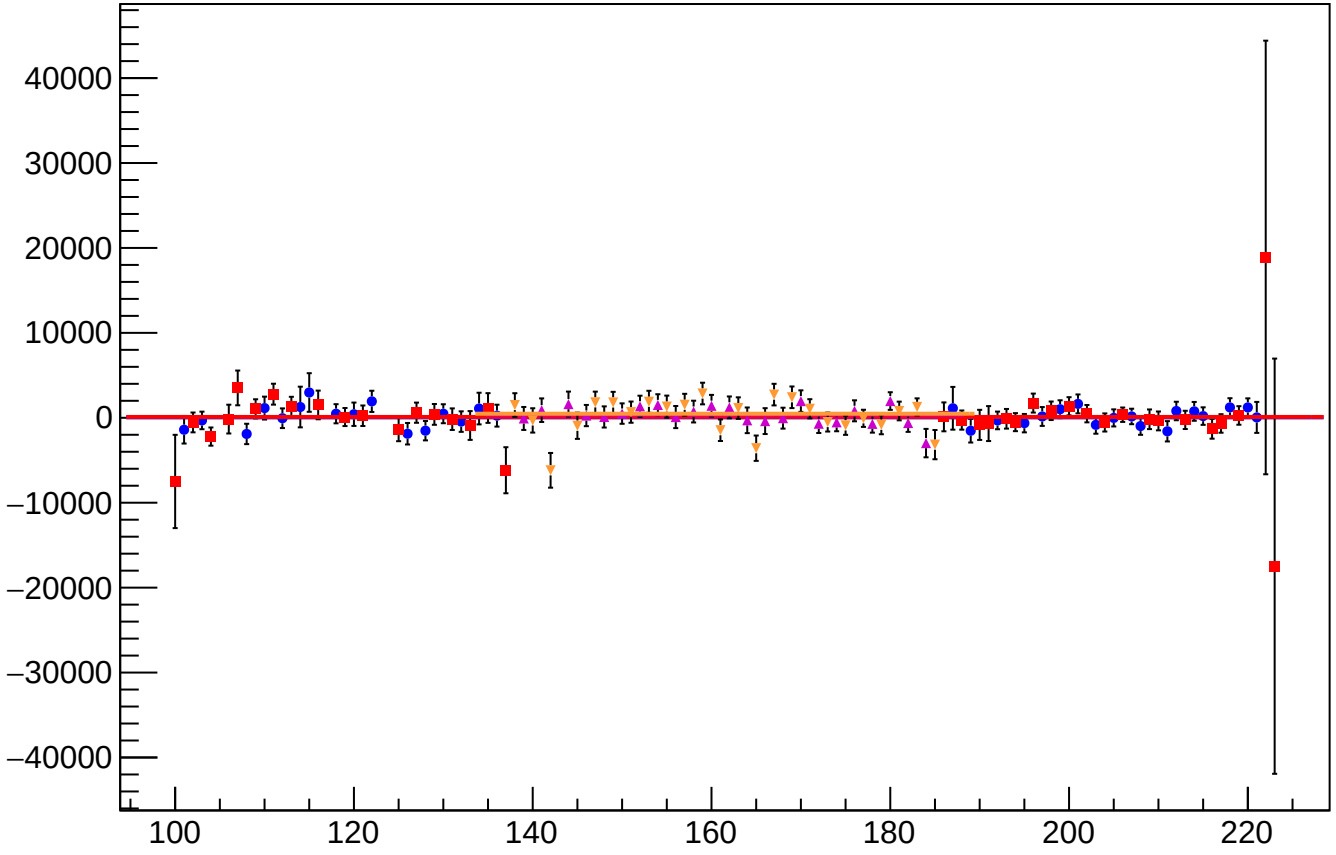
+ sign -0.000+/-0.000 χ^2/NDF: 46.3/57

All: 0.000+/-0.000 χ^2/NDF: 104.2/118

- sign 0.000+/-0.000 χ^2/NDF: 55.6/60


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6654366.0/33
Left Out: 0.000+/-0.000 χ²/NDF:6680117.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 8282313.9/37
Left In: 0.000+/-0.000 χ²/NDF:4897147.5/22
+ sign 0.000+/-0.000 χ²/NDF: 20169389.0/57
All: 0.000+/-0.000 χ²/NDF: 36828611.7/118
- sign 0.000+/-0.000 χ²/NDF: 16205064.6/60

reg_asym_usl_atl2_dd_mean vs Slug



Right In: 50.043+/-205.235 χ^2/NDF: 25.2/33

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.100+/-206.001 χ^2/NDF: 33.2/37

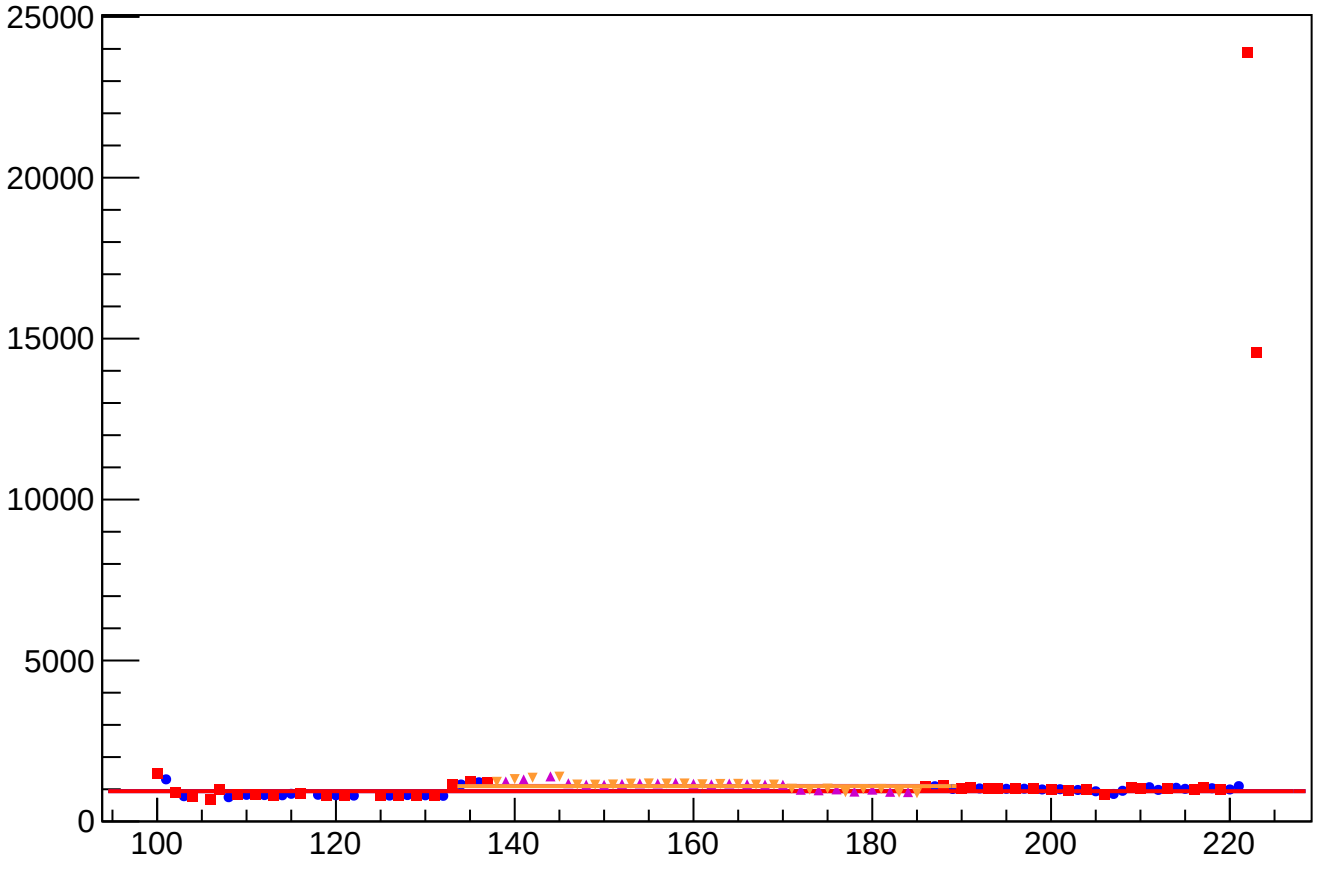
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 217.829+/-160.210 χ^2/NDF: 72.1/57

All: 211.176+/-113.668 χ^2/NDF: 122.1/118

- sign 204.433+/-161.299 χ^2/NDF: 50.0/60

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 941.577+/-0.145 χ^2/NDF: 681237.9/33

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 940.103+/-0.145 χ^2/NDF: 2929030.4/37

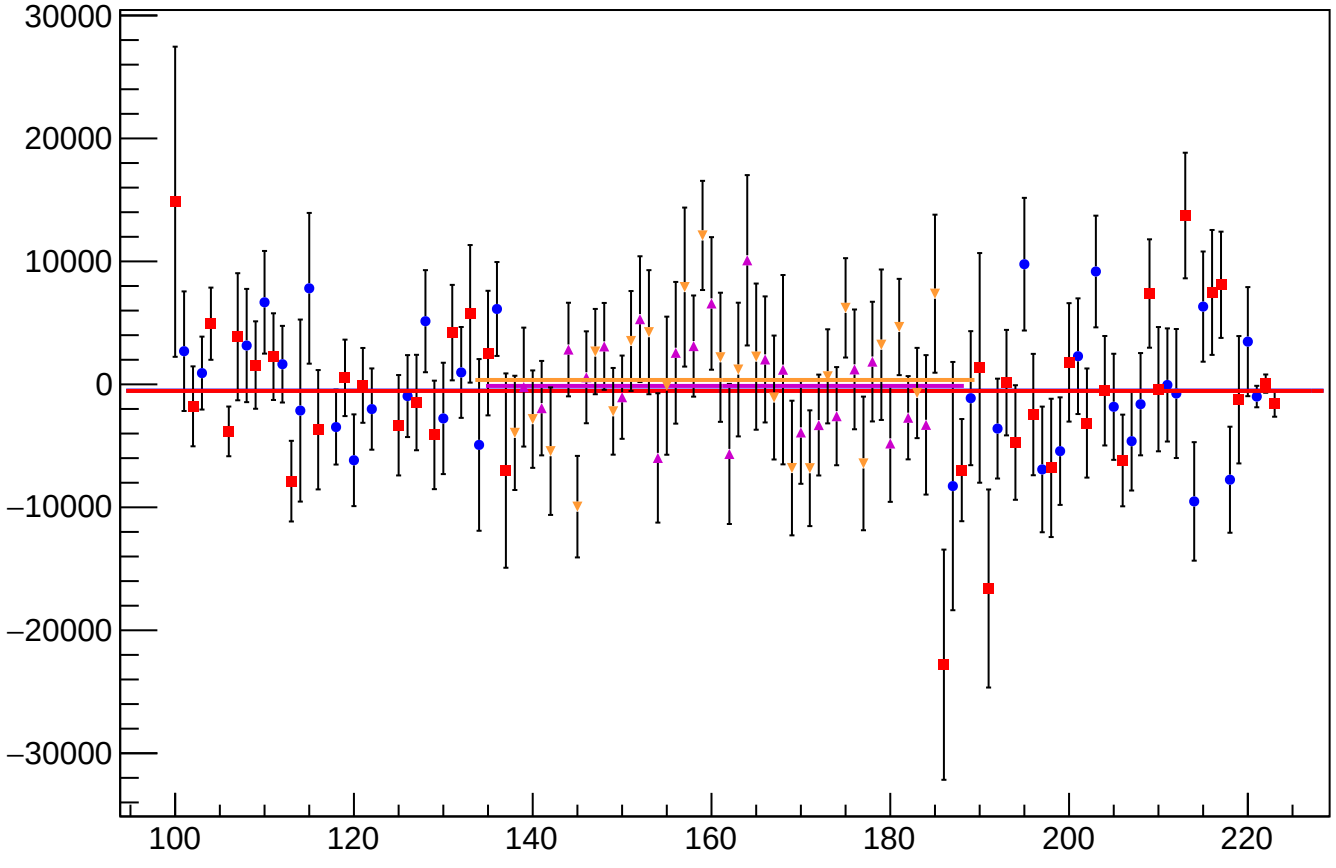
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1002.179+/-0.113 χ^2/NDF: 1608130.9/57

All: 1002.509+/-0.080 χ^2/NDF: 5472183.8/11

- sign 1002.841+/-0.114 χ^2/NDF: 3864035.8/60

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: -508.285+/-565.367 χ^2/NDF: 39.3/33

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -534.794+/-458.434 χ^2/NDF: 56.3/37

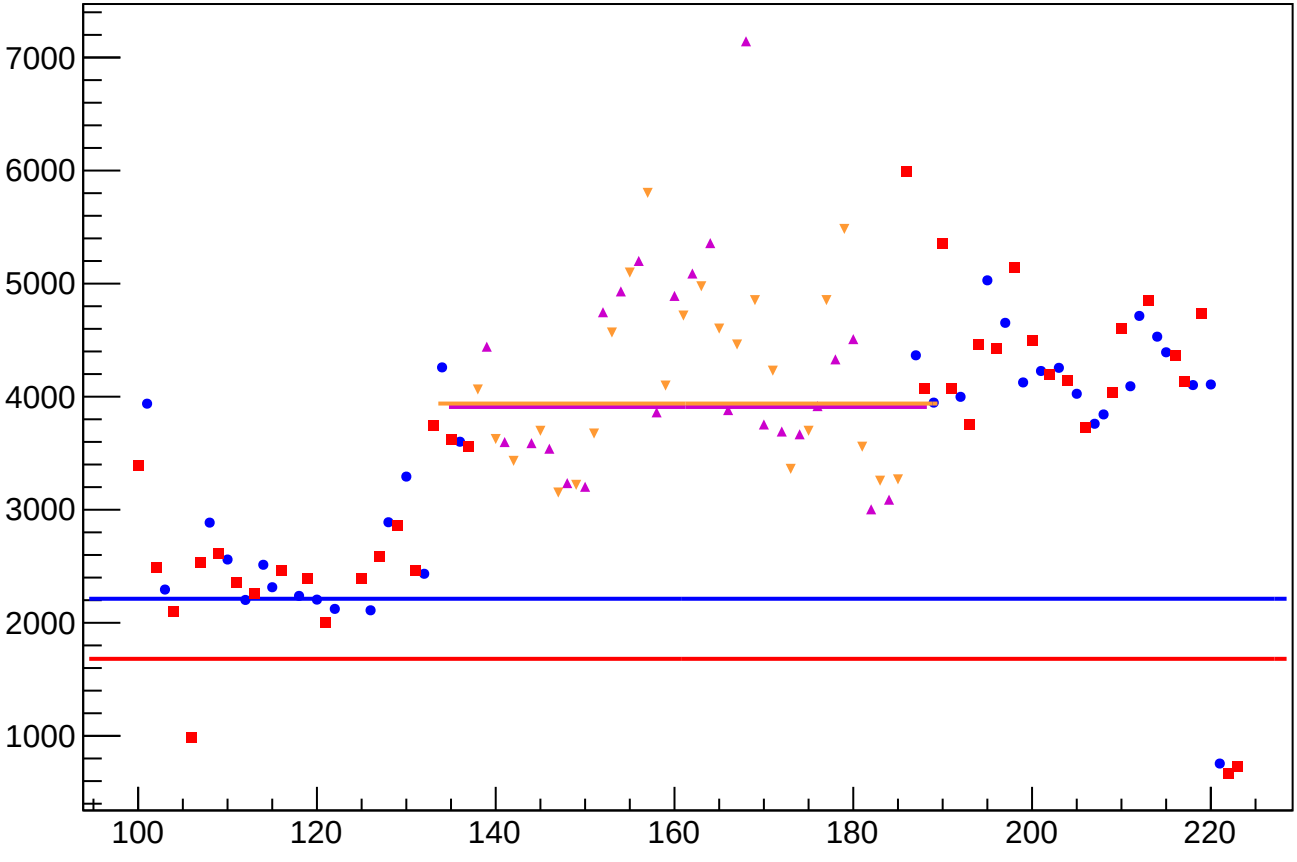
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign -276.139+/-483.691 χ^2/NDF: 70.2/57

All: -380.138+/-313.386 χ^2/NDF: 140.5/118

- sign -455.380+/-411.418 χ^2/NDF: 70.2/60

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2212.678+/-0.400 χ^2/NDF: 12772861.3/33

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 1681.340+/-0.324 χ^2/NDF: 17889512.6/37

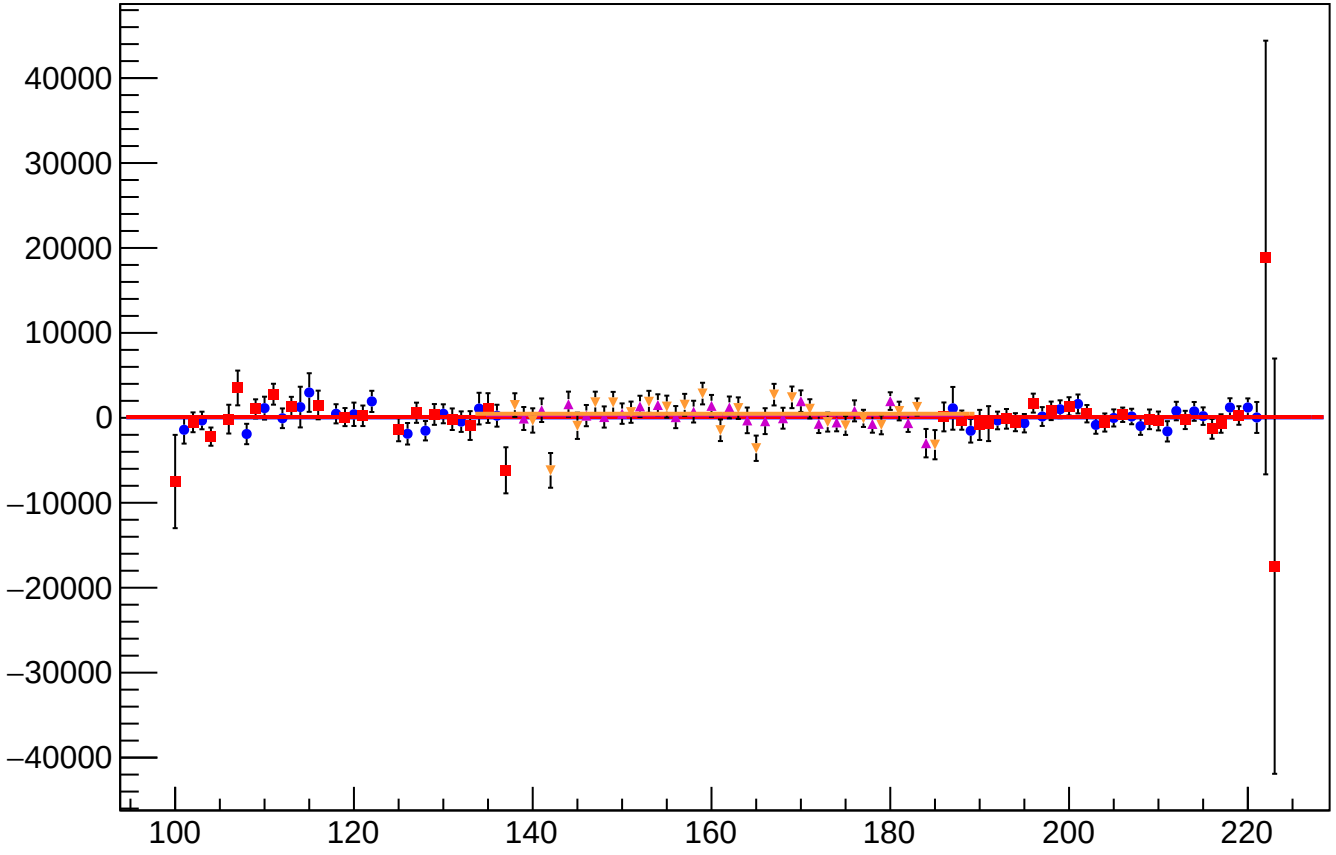
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 2675.511+/-0.342 χ^2/NDF: 18865647.3/57

All: 2350.211+/-0.222 χ^2/NDF: 48805983.1/1

- sign 2114.859+/-0.291 χ^2/NDF: 28381240.0/60

cor_asym_usl_atl2_dd_mean vs Slug



Right In: 50.047+/-205.235 χ^2/NDF: 25.2/33

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.787+/-206.003 χ^2/NDF: 33.2/37

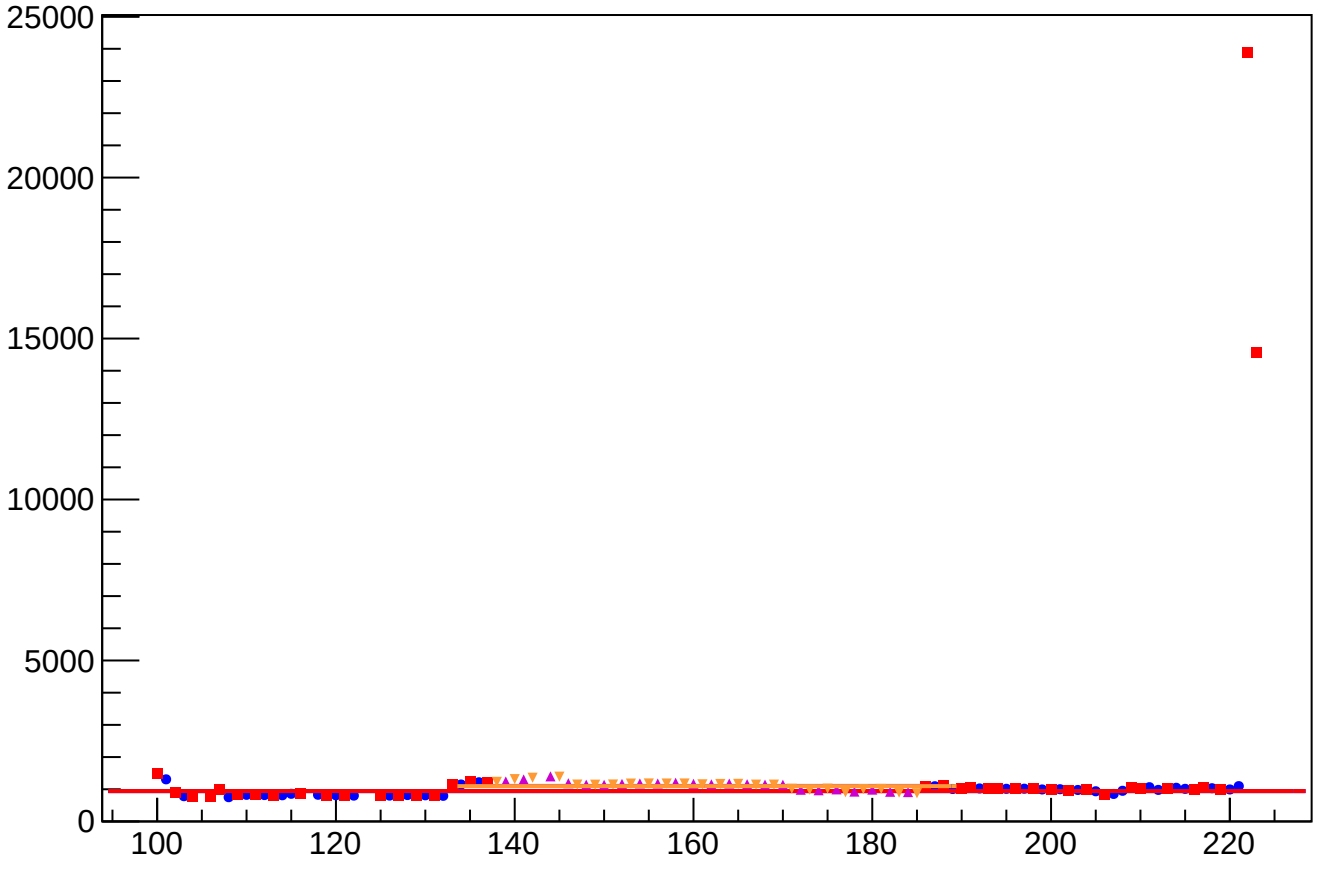
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 217.842+/-160.210 χ^2/NDF: 72.1/57

All: 211.388+/-113.669 χ^2/NDF: 122.1/118

\- sign 204.846+/-161.300 χ^2/NDF: 50.0/60

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 941.577+/-0.145 χ^2/NDF: 681237.8/33

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 943.852+/-0.145 χ^2/NDF: 2866113.3/37

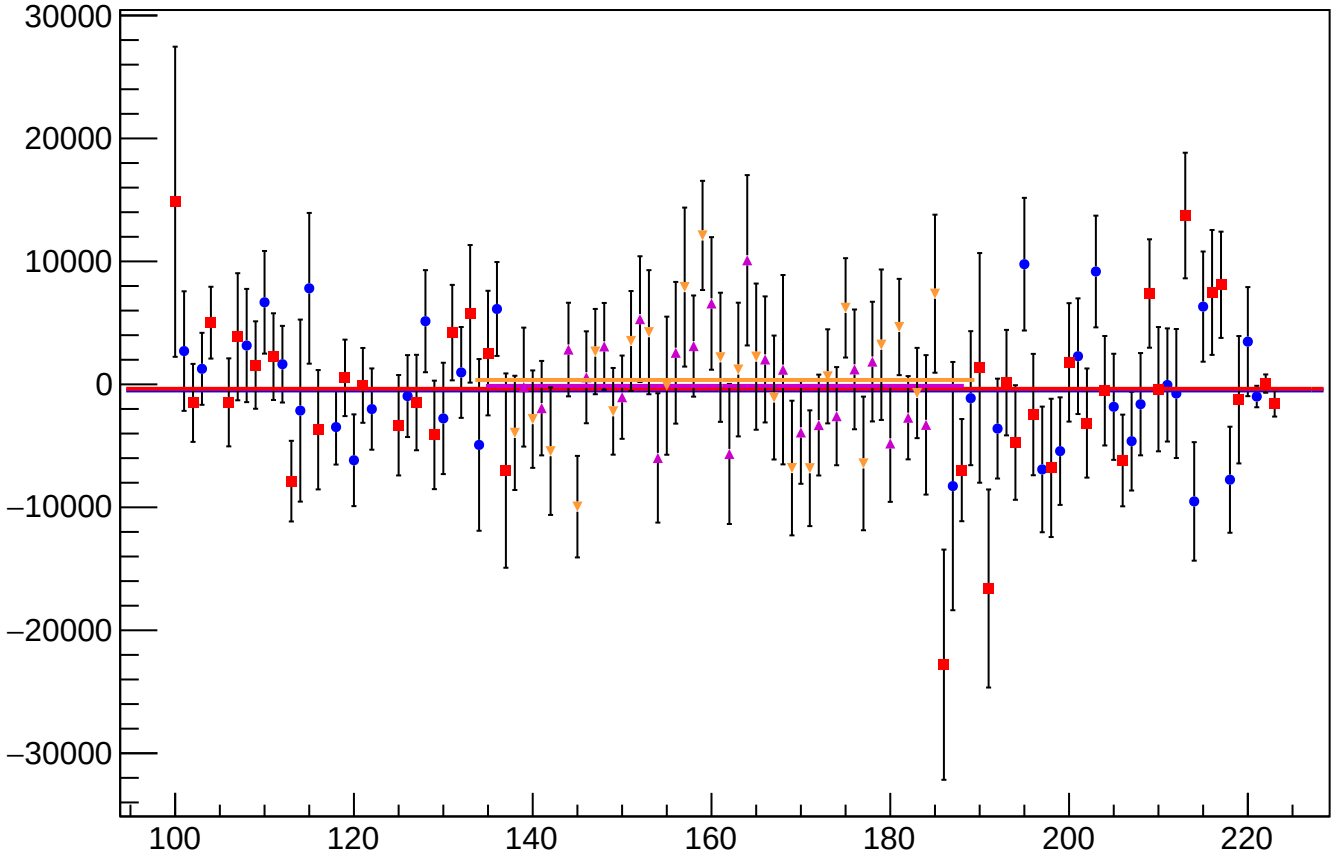
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1002.179+/-0.113 χ^2/NDF: 1608131.0/57

All: 1003.769+/-0.080 χ^2/NDF: 5386423.0/11

- sign 1005.376+/-0.114 χ^2/NDF: 3777895.9/60

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: -493.270+/-565.050 χ^2/NDF: 39.5/33

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -364.520+/-466.314 χ^2/NDF: 53.6/37

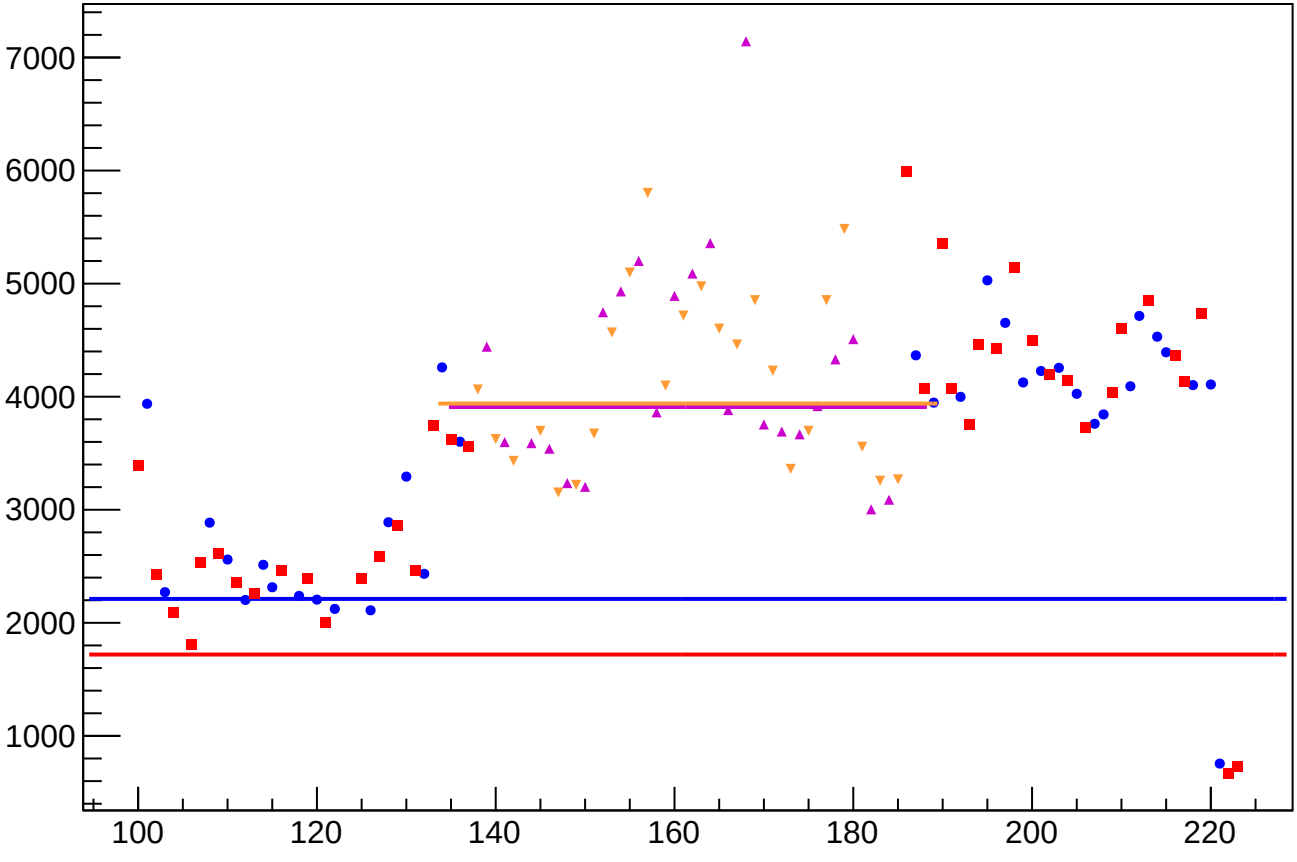
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign -265.337+/-483.492 χ^2/NDF: 70.3/57

All: -294.925+/-315.813 χ^2/NDF: 137.8/118

- sign -316.944+/-417.085 χ^2/NDF: 67.4/60

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2211.553+/-0.400 χ^2/NDF: 12776164.9/33

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 1719.565+/-0.330 χ^2/NDF: 17633393.1/37

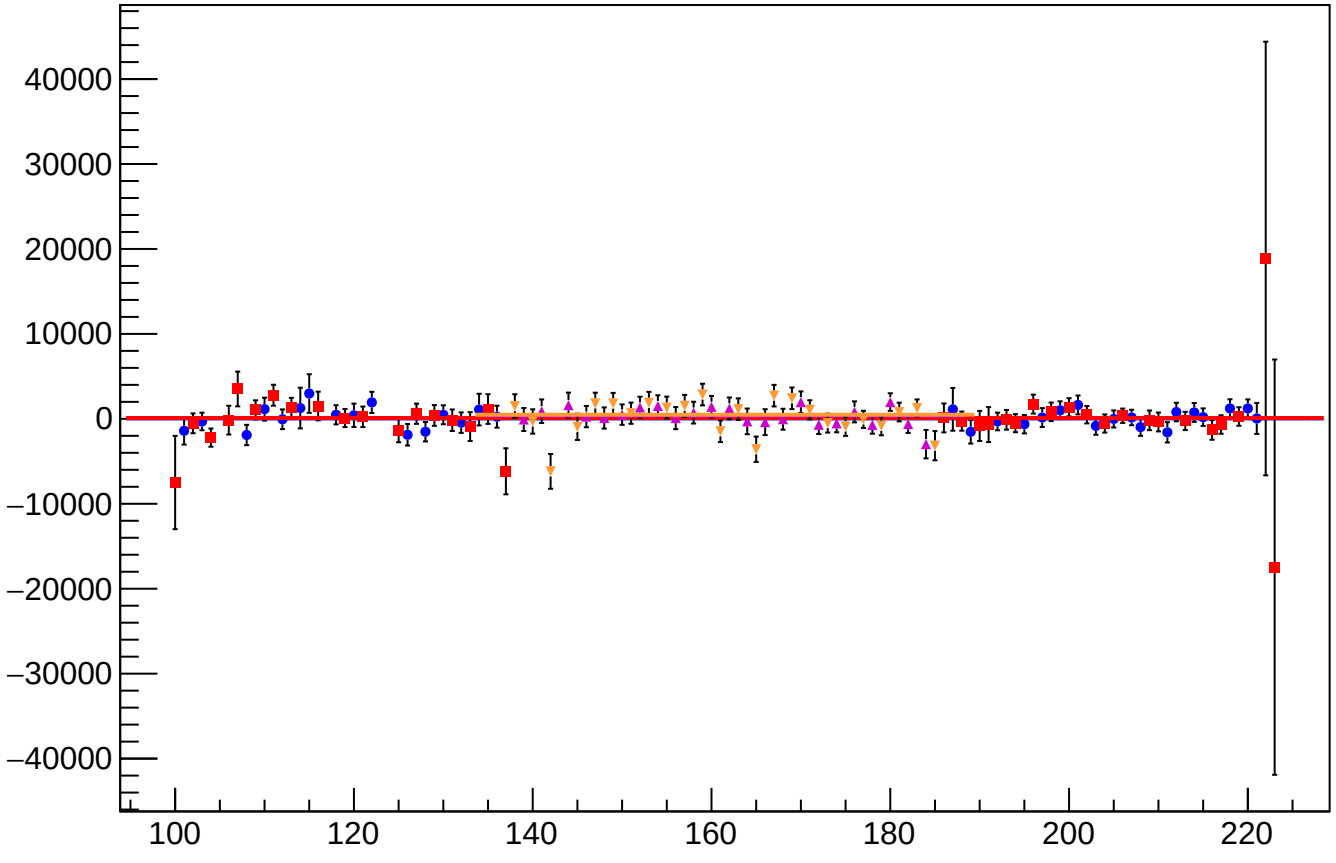
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 2674.307+/-0.342 χ^2/NDF: 18876986.2/57

All: 2377.982+/-0.223 χ^2/NDF: 47940204.3/1

- sign 2157.466+/-0.295 χ^2/NDF: 27752896.4/60

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: 50.047+/-205.235 χ^2/NDF: 25.2/33

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.787+/-206.003 χ^2/NDF: 33.2/37

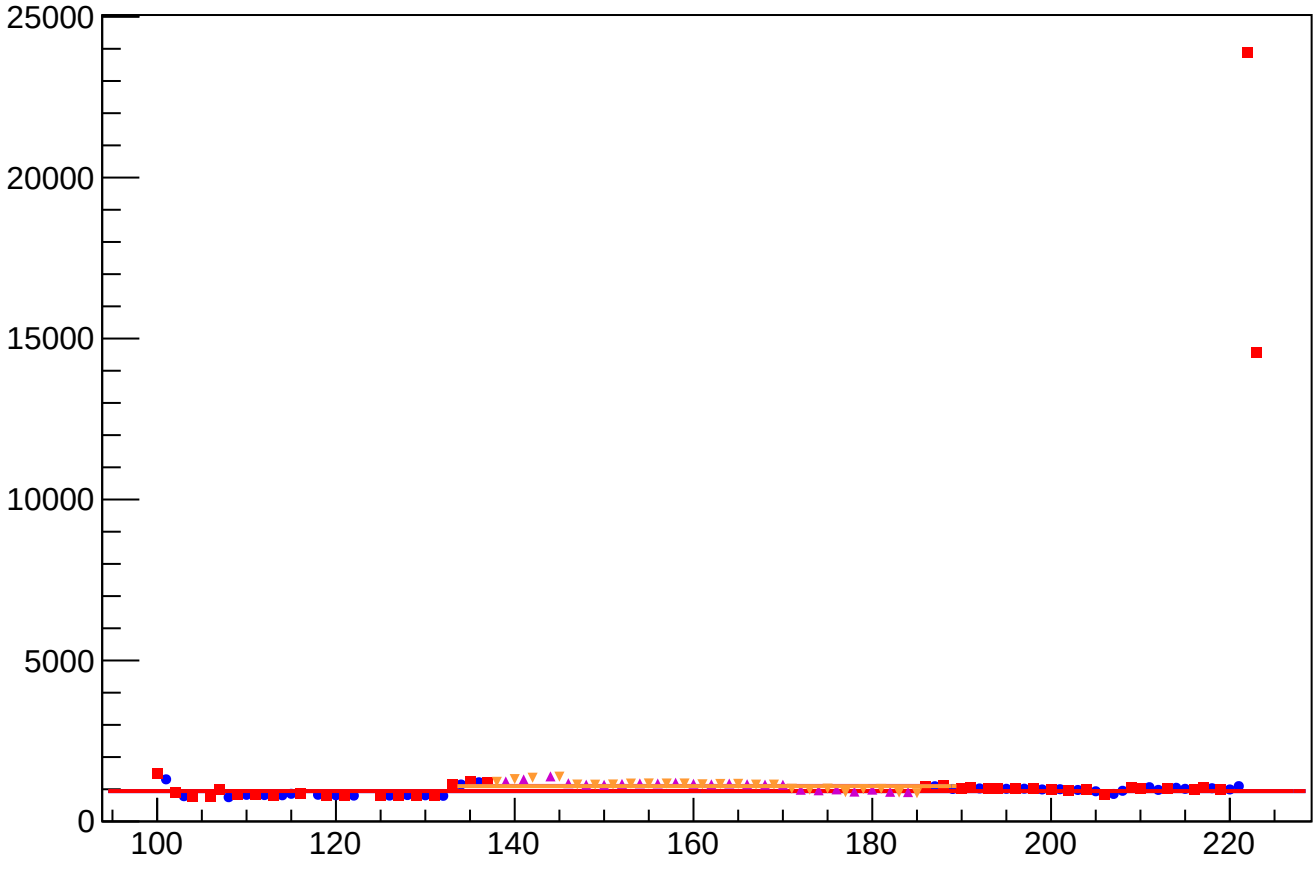
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 217.842+/-160.210 χ^2/NDF: 72.1/57

All: 211.388+/-113.669 χ^2/NDF: 122.1/118

\- sign 204.846+/-161.300 χ^2/NDF: 50.0/60

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 941.577+/-0.145 χ^2/NDF: 681237.8/33

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

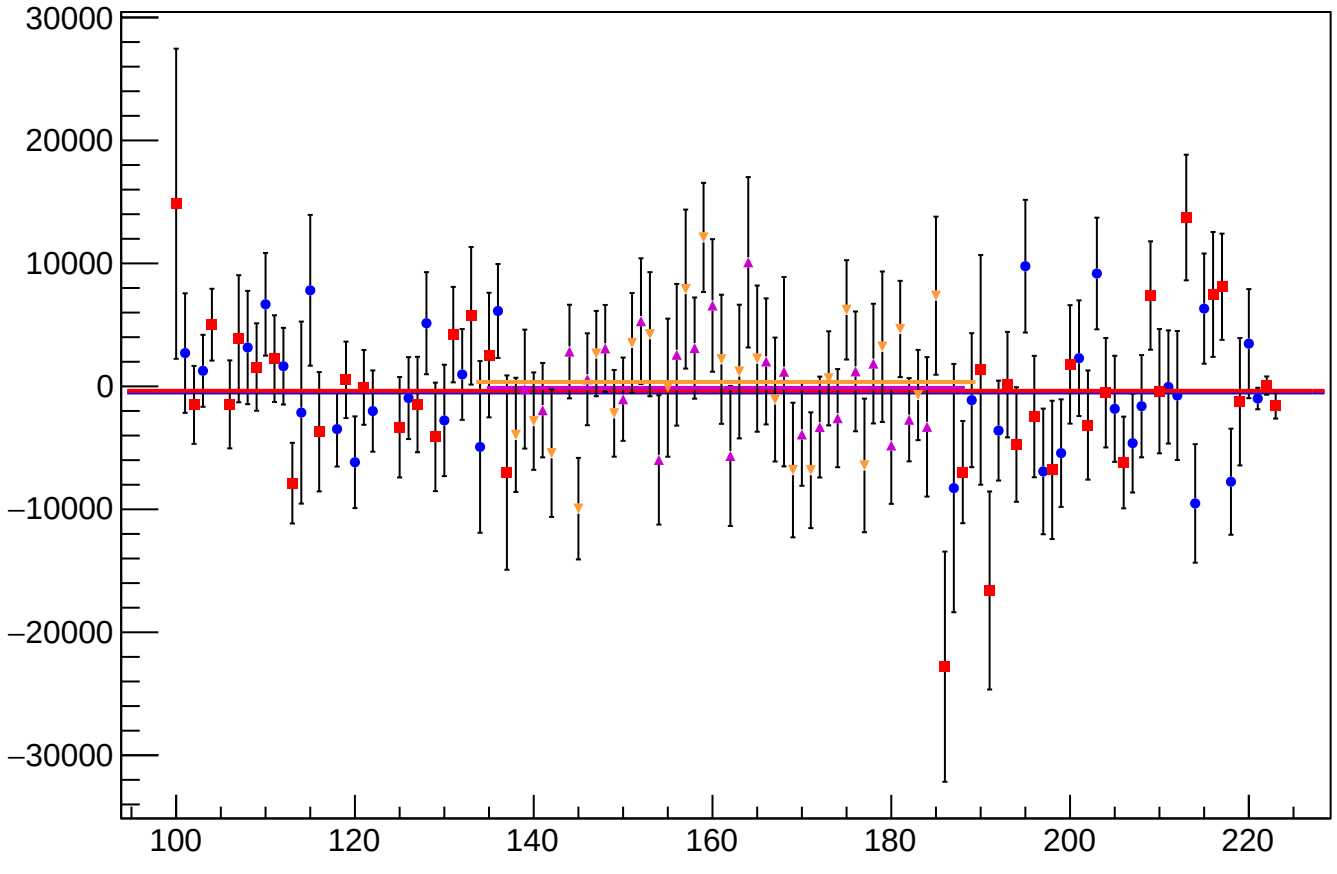
Right Out: 943.852+/-0.145 χ^2/NDF: 2866113.3/37

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1002.179+/-0.113 χ^2/NDF: 1608131.0/57

All: 1003.769+/-0.080 χ^2/NDF: 5386423.0/11

- sign 1005.376+/-0.114 χ^2/NDF: 3777895.9/60



Right In: -493.270+/-565.050 χ^2/NDF: 39.5/33

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -364.520+/-466.314 χ^2/NDF: 53.6/37

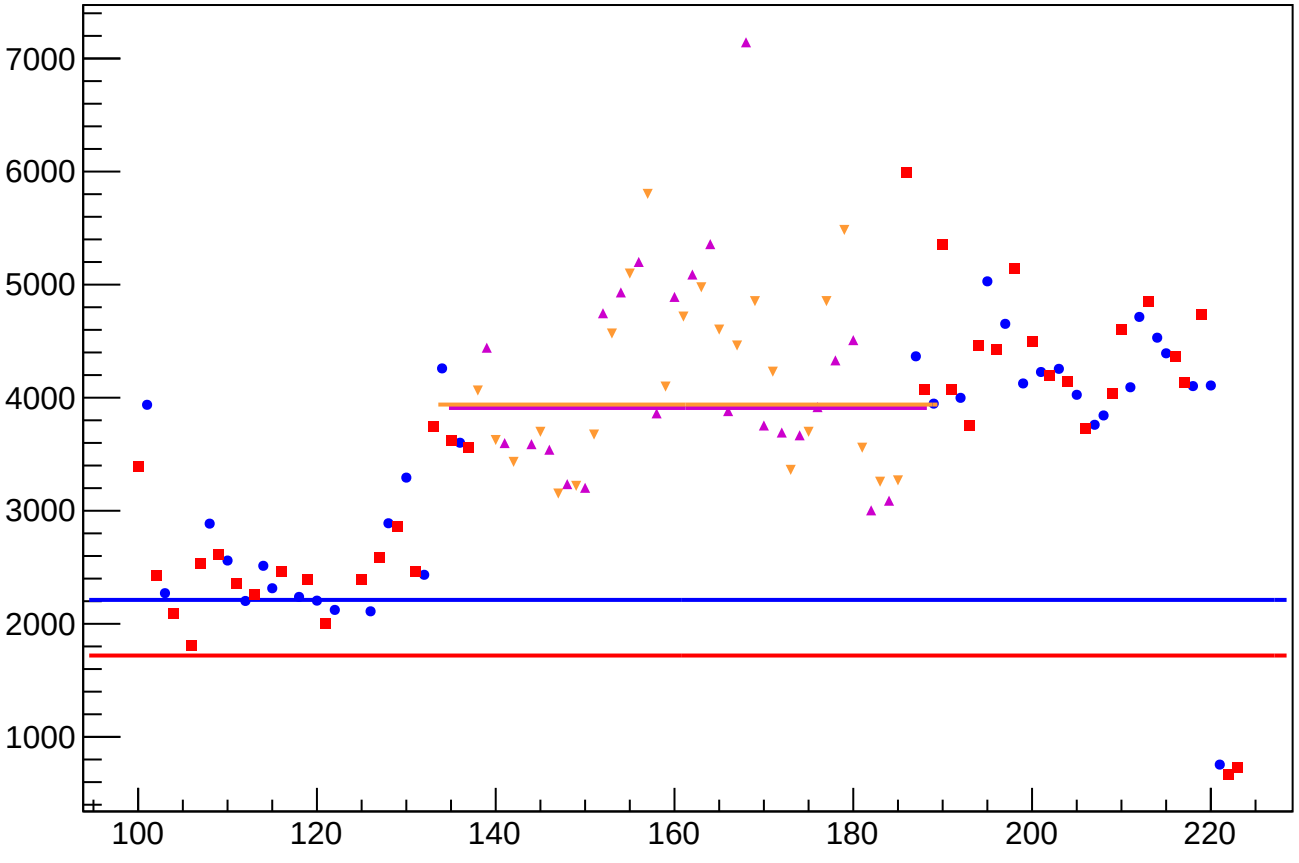
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign -265.337+/-483.492 χ^2/NDF: 70.3/57

All: -294.925+/-315.813 χ^2/NDF: 137.8/118

- sign -316.944+/-417.085 χ^2/NDF: 67.4/60

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2211.553+/-0.400 χ^2/NDF: 12776164.9/33

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 1719.565+/-0.330 χ^2/NDF: 17633393.1/37

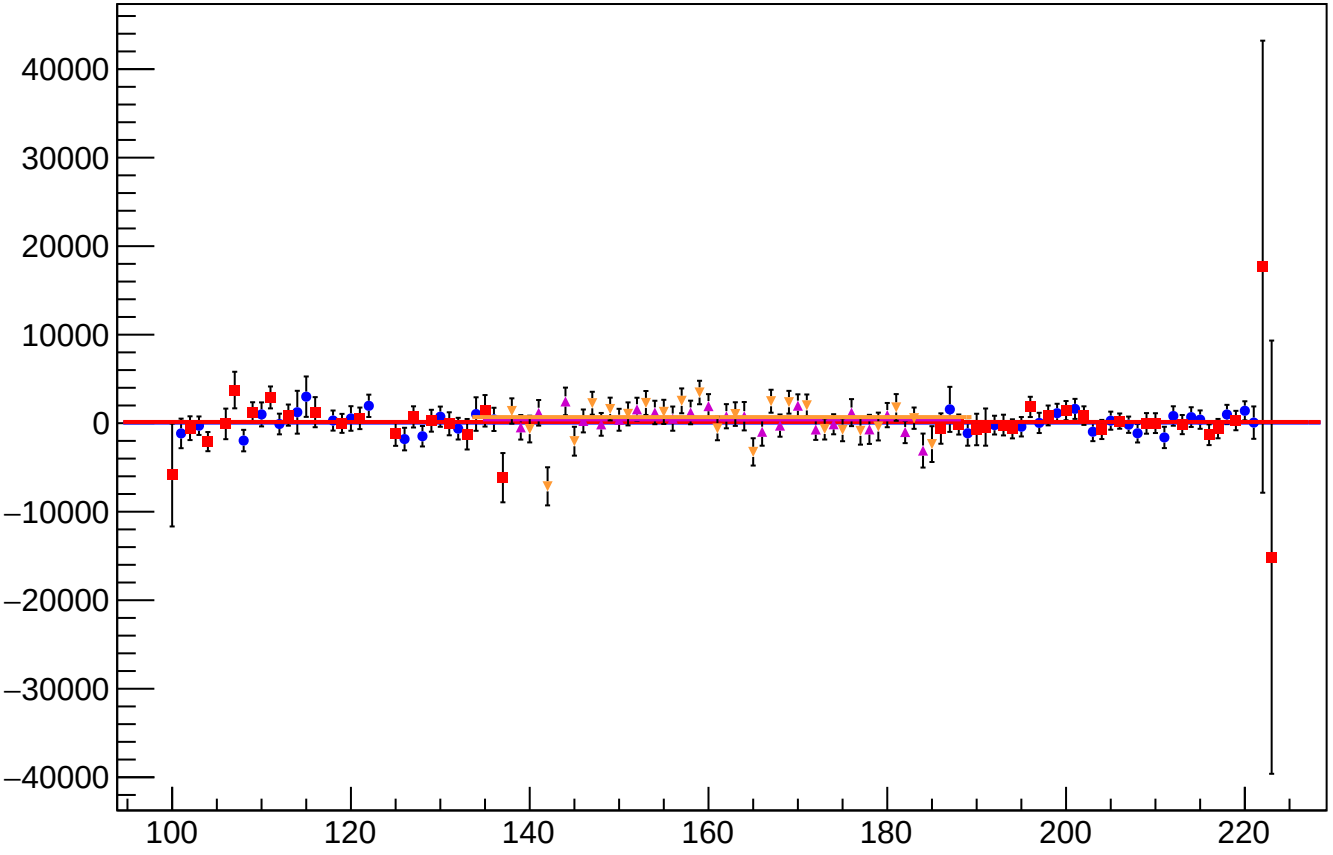
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 2674.307+/-0.342 χ^2/NDF: 18876986.2/57

All: 2377.982+/-0.223 χ^2/NDF: 47940204.3/1

- sign 2157.466+/-0.295 χ^2/NDF: 27752896.4/60

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 69.175+/-207.640 χ^2/NDF: 24.8/33

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 139.826+/-209.144 χ^2/NDF: 32.3/37

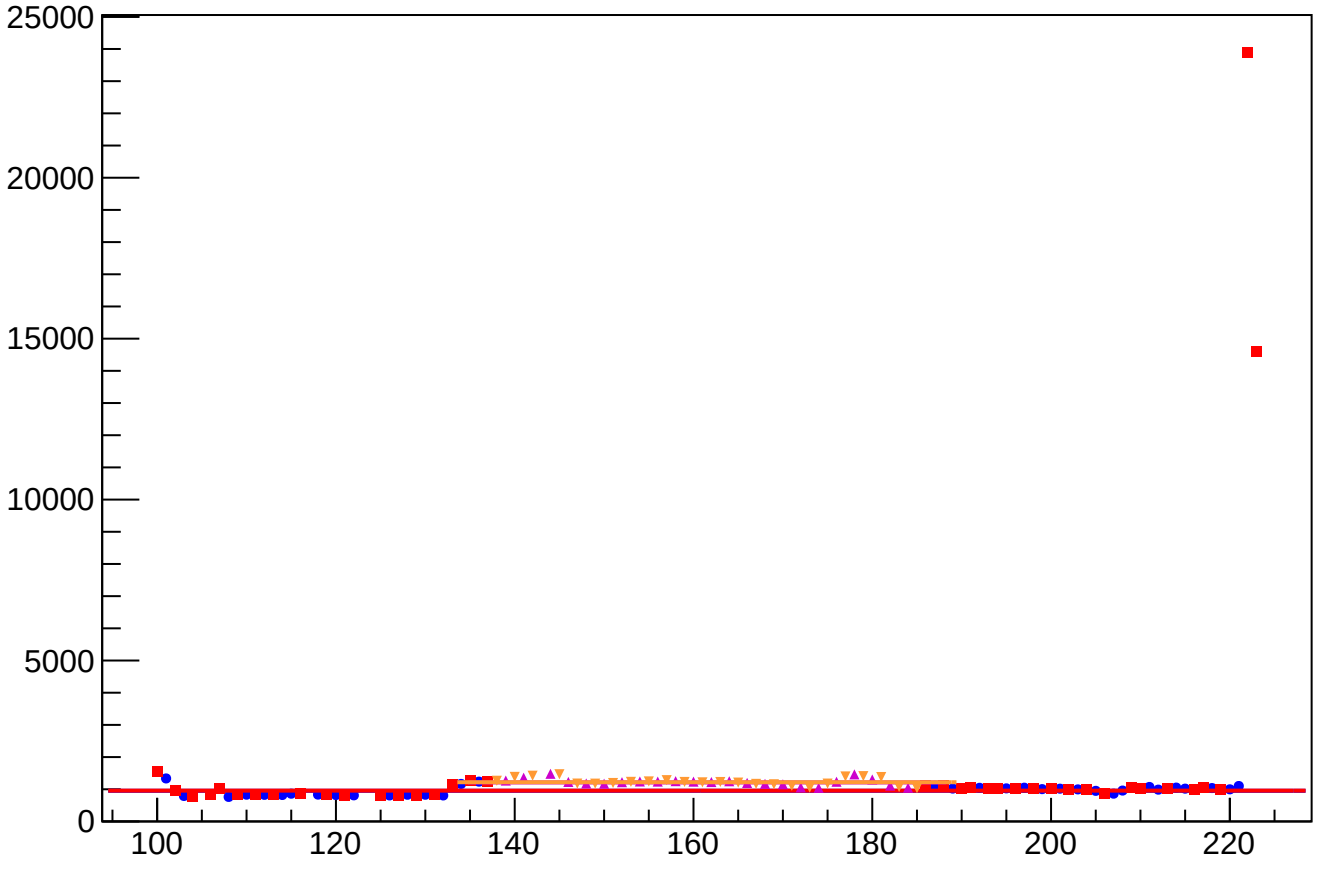
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 284.731+/-167.698 χ^2/NDF: 73.6/57

All: 262.967+/-118.858 χ^2/NDF: 121.2/118

- sign 240.997+/-168.486 χ^2/NDF: 47.6/60

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 952.231+/-0.147 χ^2/NDF: 692809.0/33

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 957.541+/-0.148 χ^2/NDF: 2860031.3/37

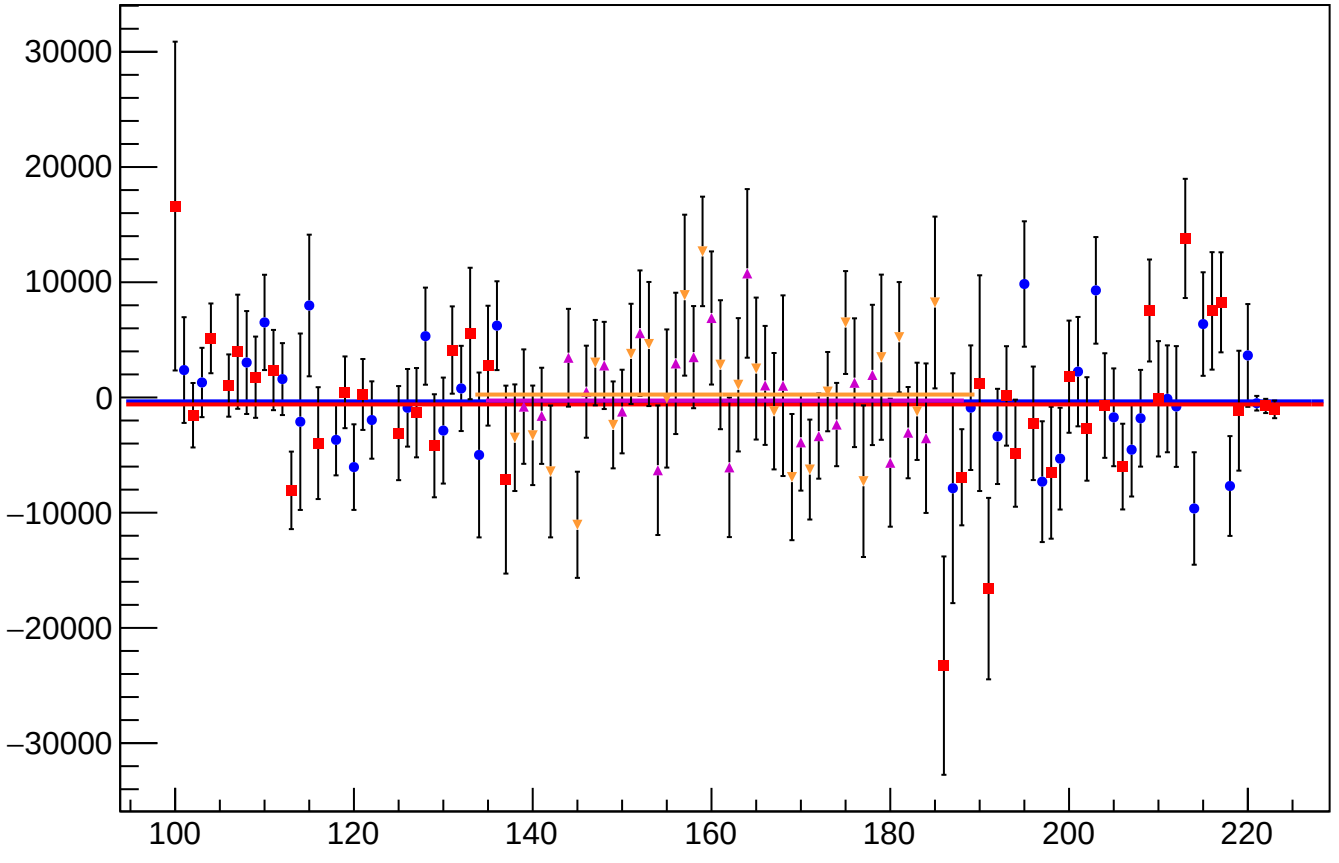
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1044.967+/-0.119 χ^2/NDF: 2133983.4/57

All: 1045.964+/-0.084 χ^2/NDF: 6297617.0/11

- sign 1046.969+/-0.119 χ^2/NDF: 4163491.7/60

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: -338.140+/-483.499 χ^2/NDF: 38.8/33

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -603.074+/-397.738 χ^2/NDF: 53.0/37

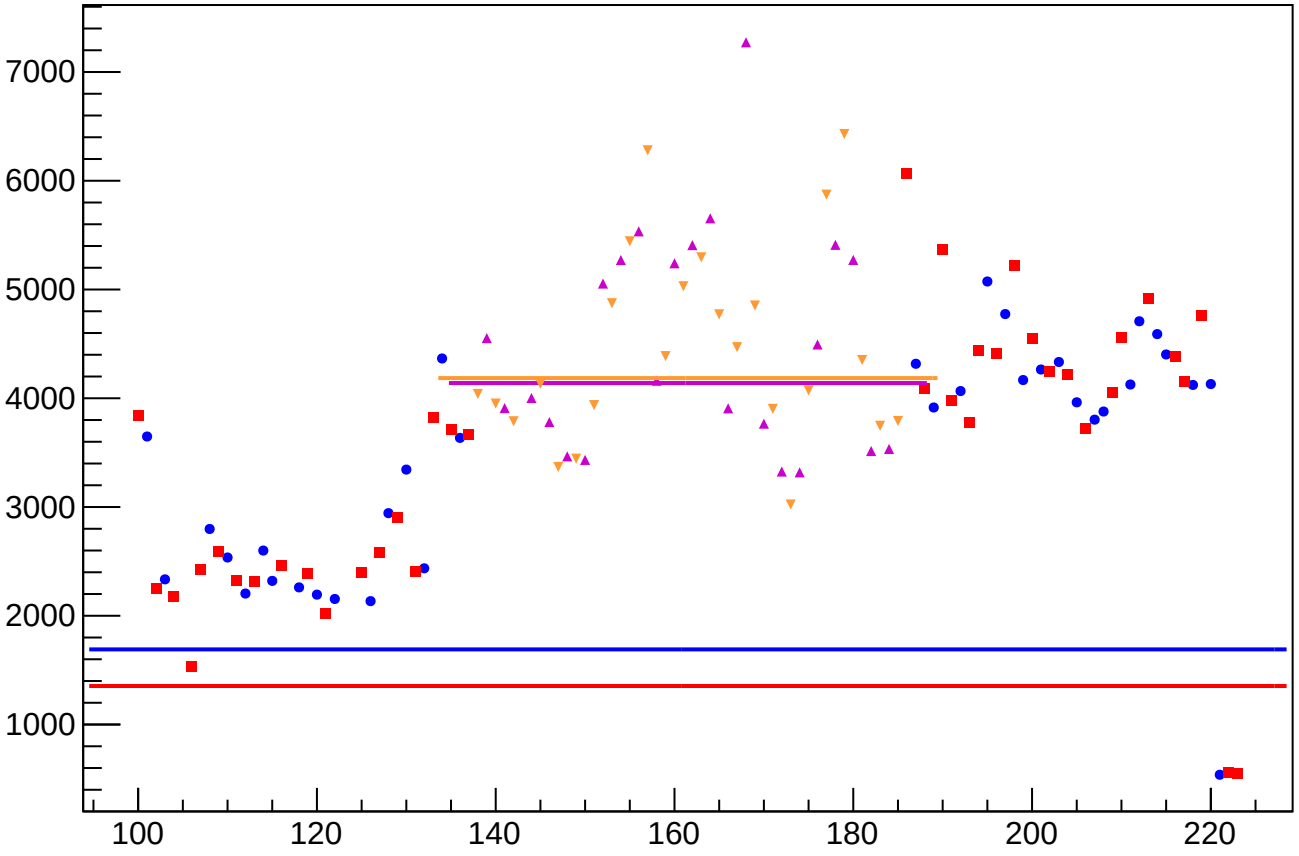
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign -225.284+/-434.887 χ^2/NDF: 68.7/57

All: -417.692+/-281.396 χ^2/NDF: 135.6/118

- sign -556.268+/-369.071 χ^2/NDF: 66.5/60

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 1690.835+/-0.342 χ^2/NDF: 18846937.1/33

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 1354.130+/-0.281 χ^2/NDF: 22039316.4/37

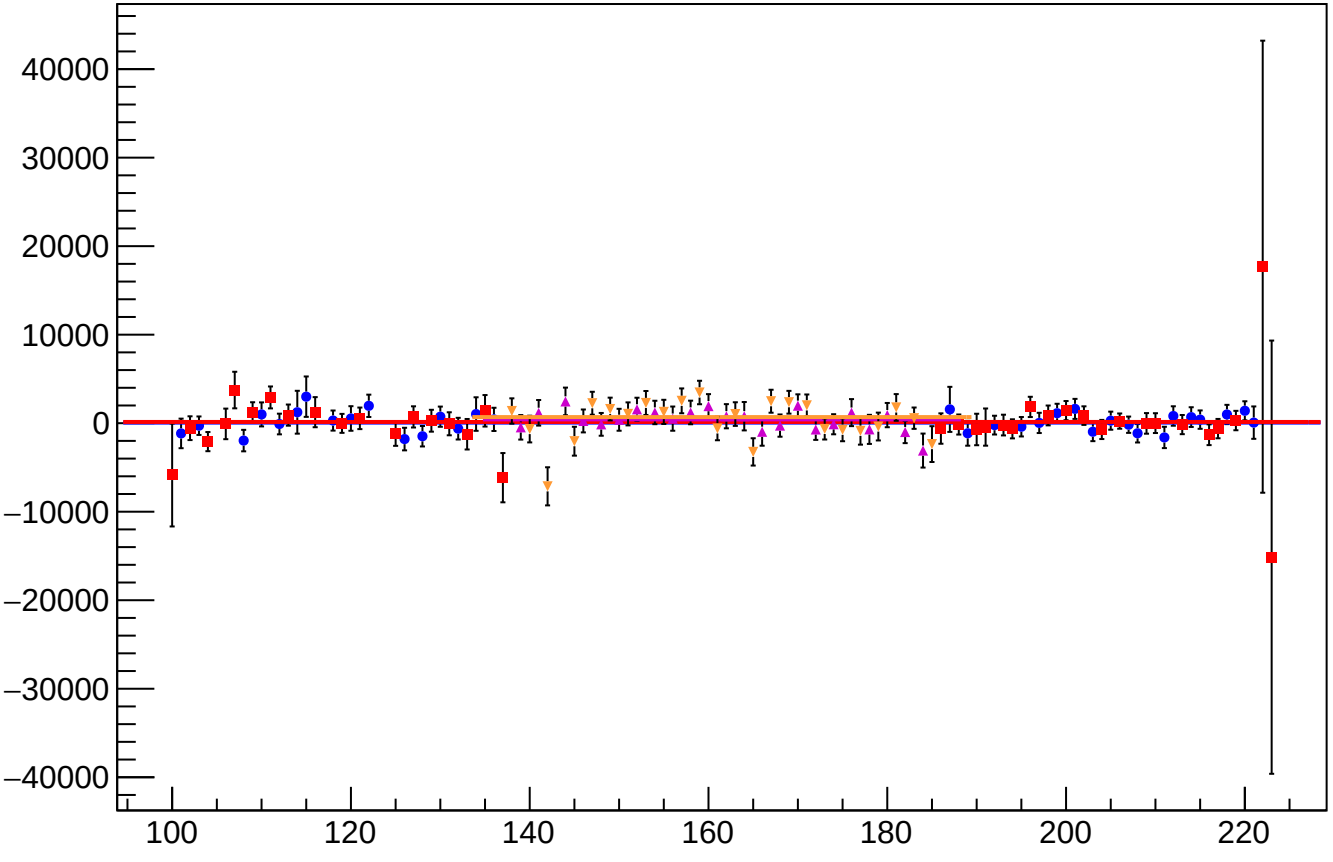
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 2167.284+/-0.308 χ^2/NDF: 30287554.7/57

All: 1919.621+/-0.199 χ^2/NDF: 68527432.4/1

- sign 1741.249+/-0.261 χ^2/NDF: 37124086.6/60

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 69.172+/-207.640 χ^2/NDF: 24.8/33

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 139.825+/-209.144 χ^2/NDF: 32.3/37

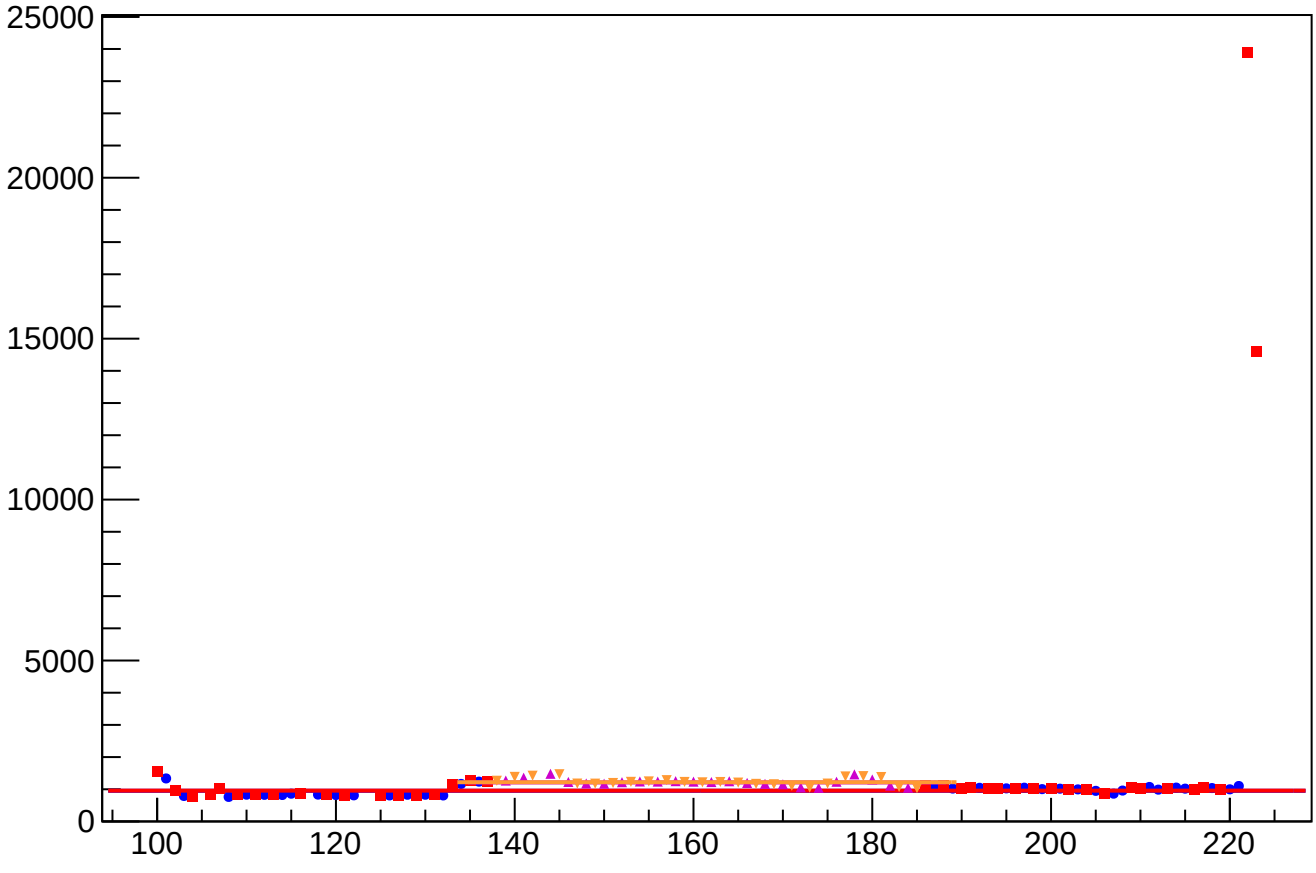
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 284.730+/-167.698 χ^2/NDF: 73.6/57

All: 262.965+/-118.858 χ^2/NDF: 121.2/118

- sign 240.995+/-168.486 χ^2/NDF: 47.6/60

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 952.231+/-0.147 χ^2/NDF: 692808.8/33

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

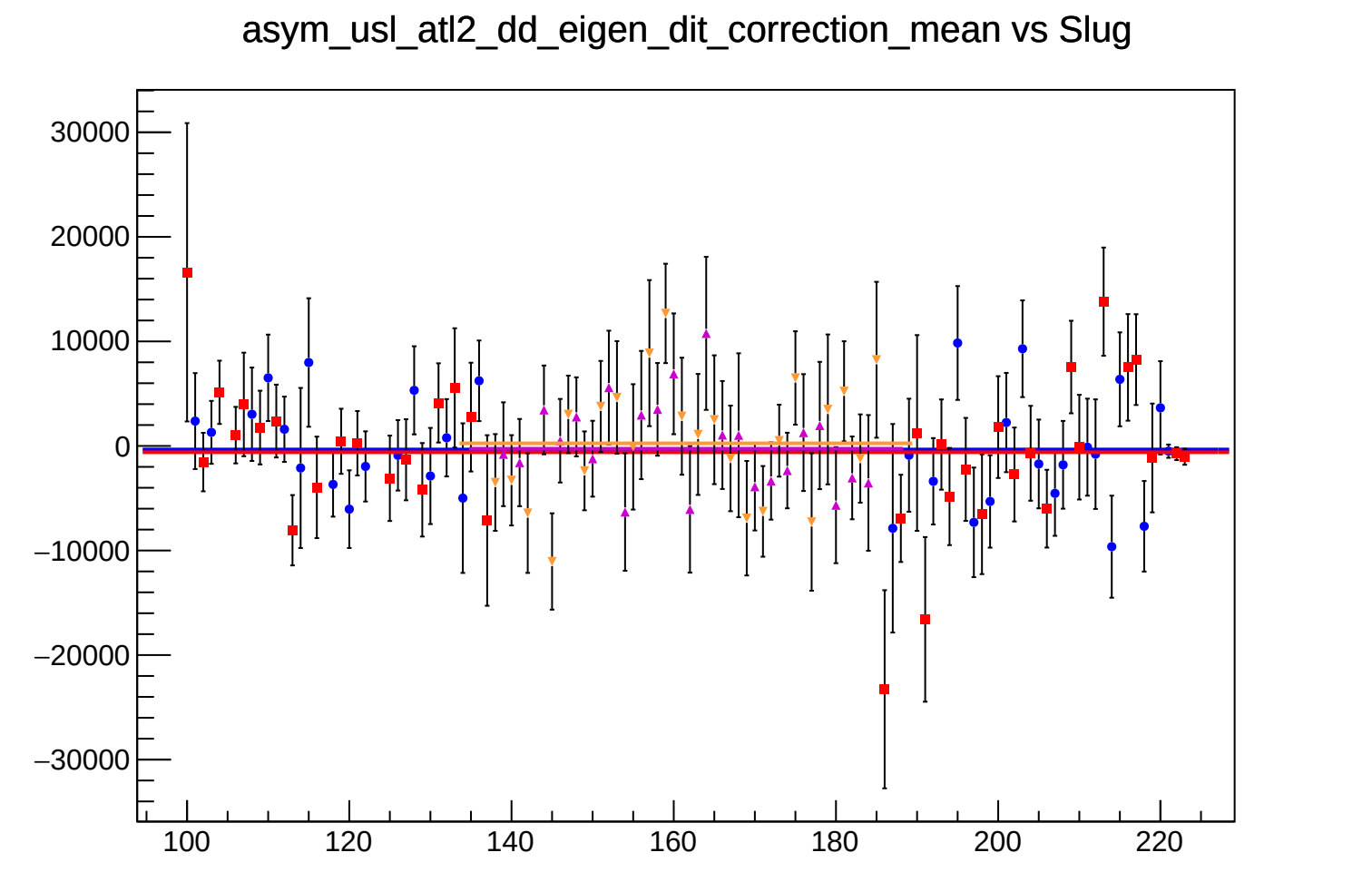
Right Out: 957.541+/-0.148 χ^2/NDF: 2860031.7/37

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1044.968+/-0.119 χ^2/NDF: 2134000.4/57

All: 1045.964+/-0.084 χ^2/NDF: 6297651.4/11

- sign 1046.970+/-0.119 χ^2/NDF: 4163509.1/60



Right In: -338.137+/-483.500 χ^2/NDF: 38.8/33

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

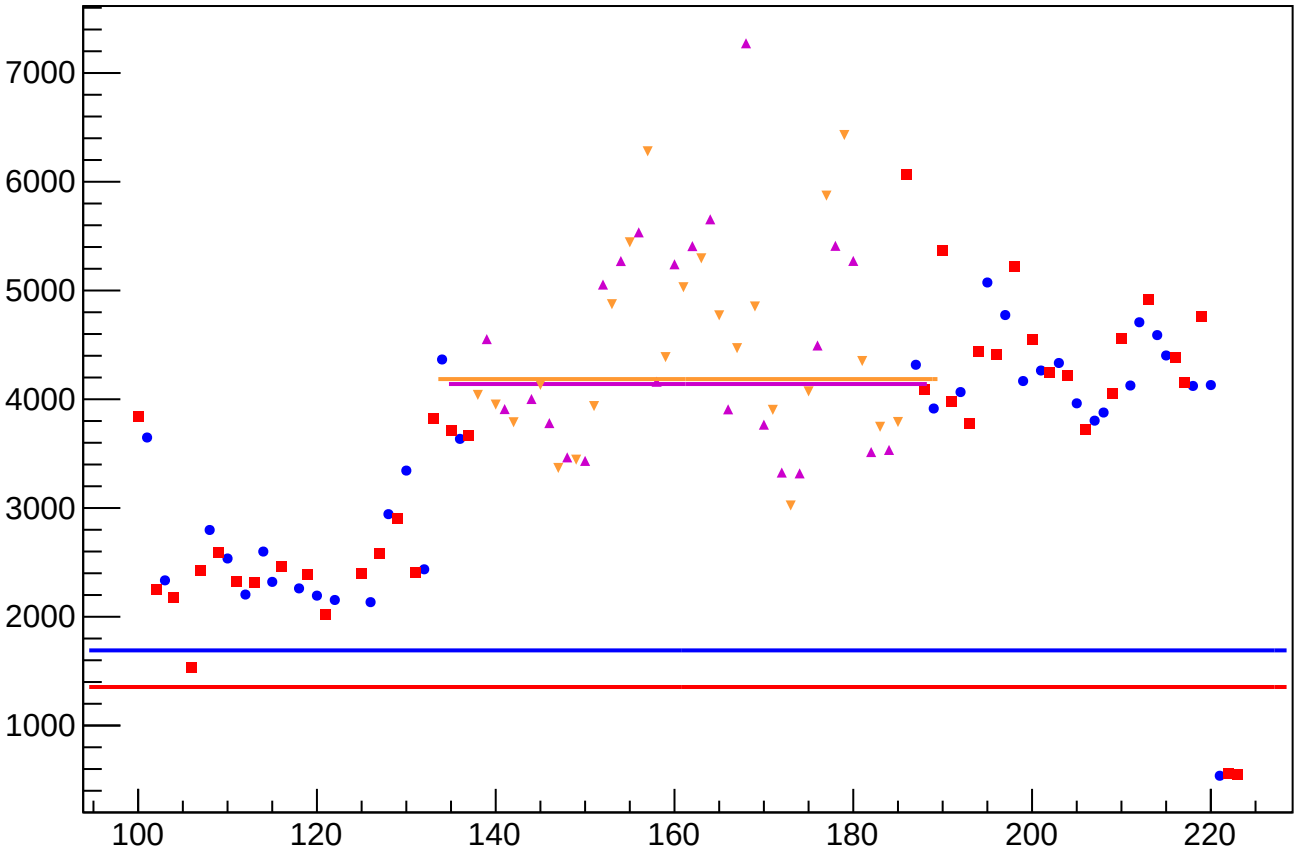
Right Out: -603.072+/-397.738 χ^2/NDF: 53.0/37

Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign -225.281+/-434.888 χ^2/NDF: 68.7/57

All: -417.690+/-281.396 χ^2/NDF: 135.6/118

- sign -556.267+/-369.071 χ^2/NDF: 66.5/60



Right In: 1690.839+/-0.342 χ^2/NDF: 18846899.0/33

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 1354.132+/-0.281 χ^2/NDF: 22039276.8/37

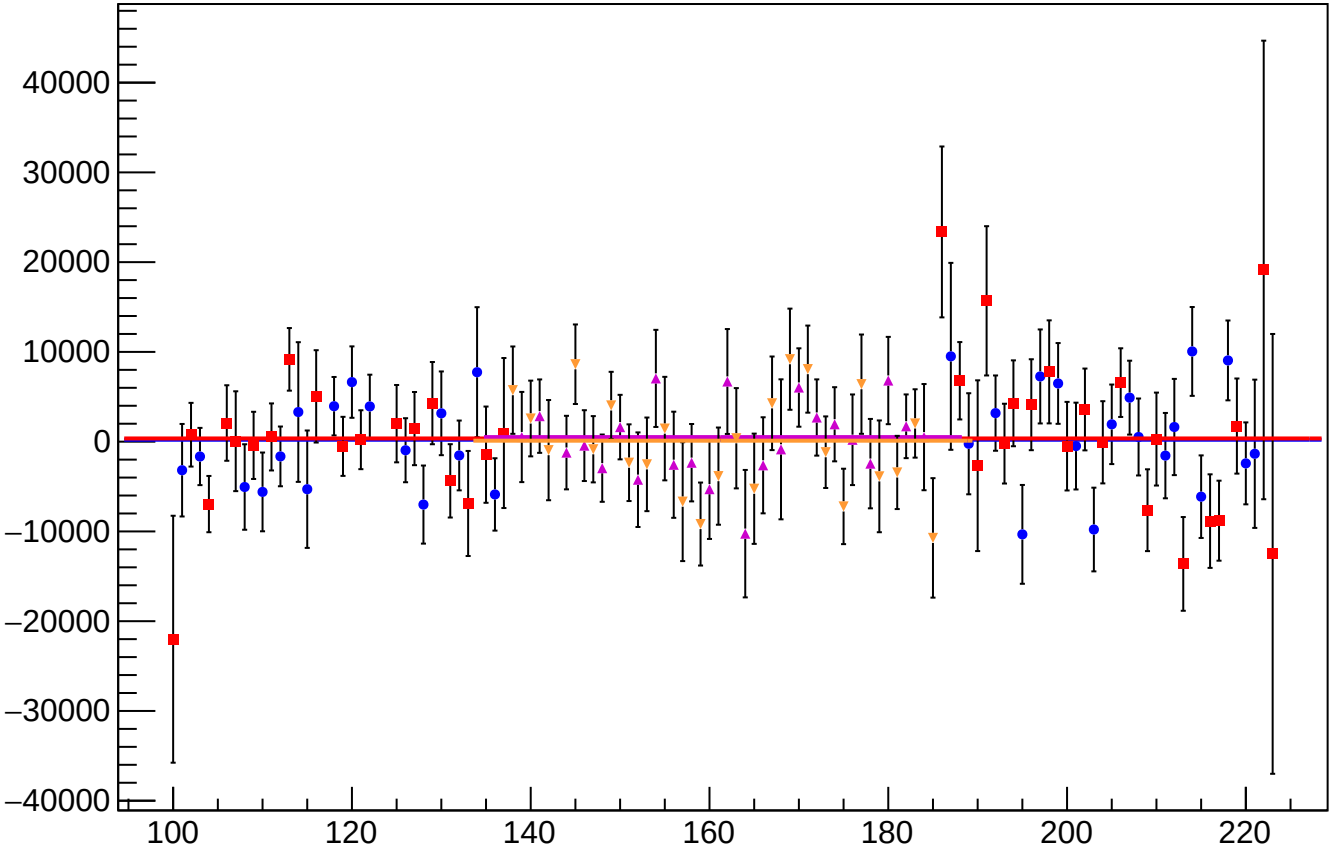
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 2167.288+/-0.308 χ^2/NDF: 30287512.6/57

All: 1919.624+/-0.199 χ^2/NDF: 68527357.7/1

- sign 1741.252+/-0.261 χ^2/NDF: 37124048.6/60

asym_usl_atl2_dd_mean vs Slug



Right In: 214.137+/-772.894 χ^2/NDF: 42.0/33

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 357.615+/-760.057 χ^2/NDF: 55.7/37

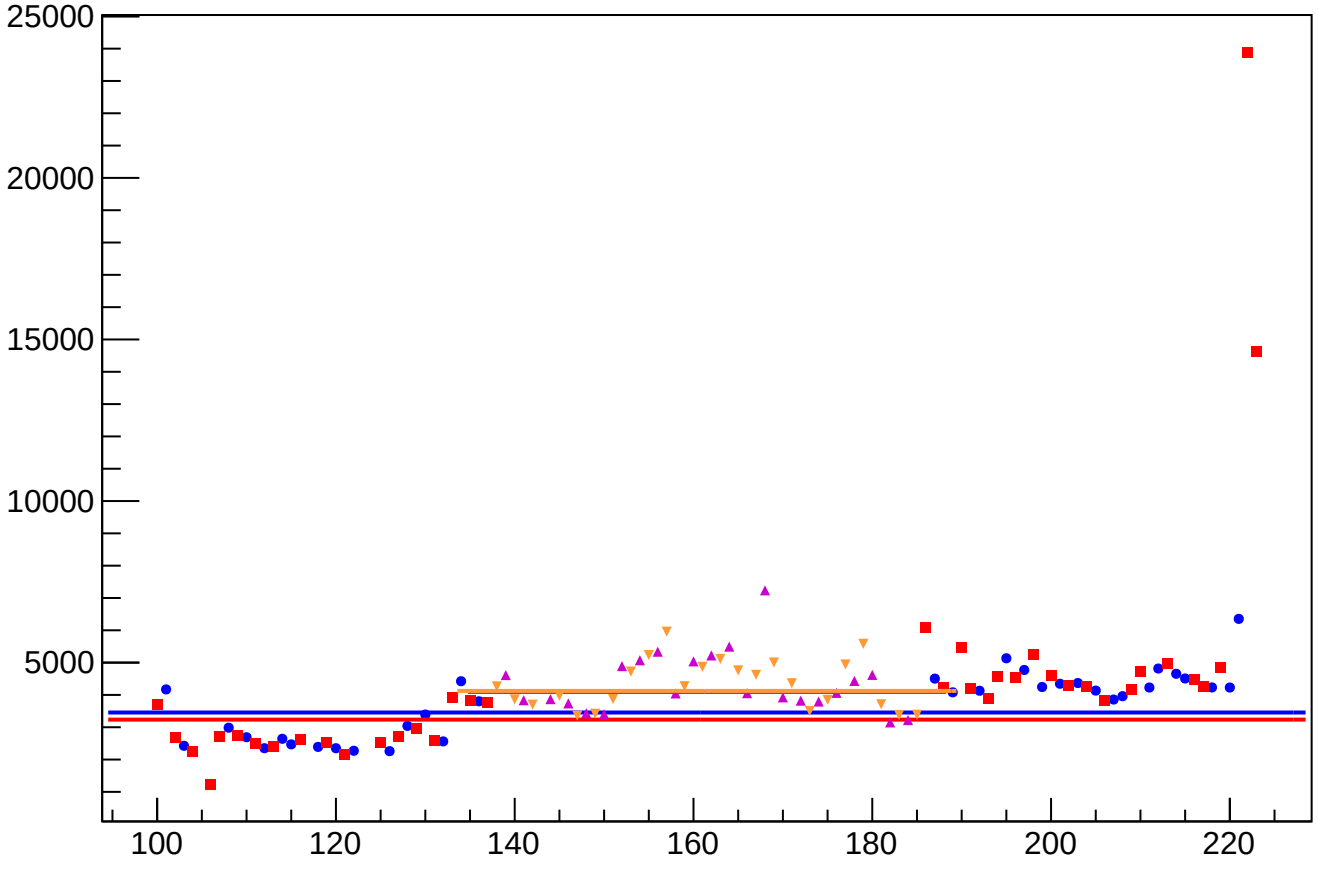
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign 173.582+/-605.819 χ^2/NDF: 70.0/57

All: 295.561+/-426.036 χ^2/NDF: 139.3/118

- sign 414.907+/-599.246 χ^2/NDF: 69.2/60

asym_usl_atl2_dd_rms vs Slug



Right In: 3456.302+/-0.547 χ^2/NDF: 3083588.2/33

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3236.074+/-0.522 χ^2/NDF: 6337105.7/37

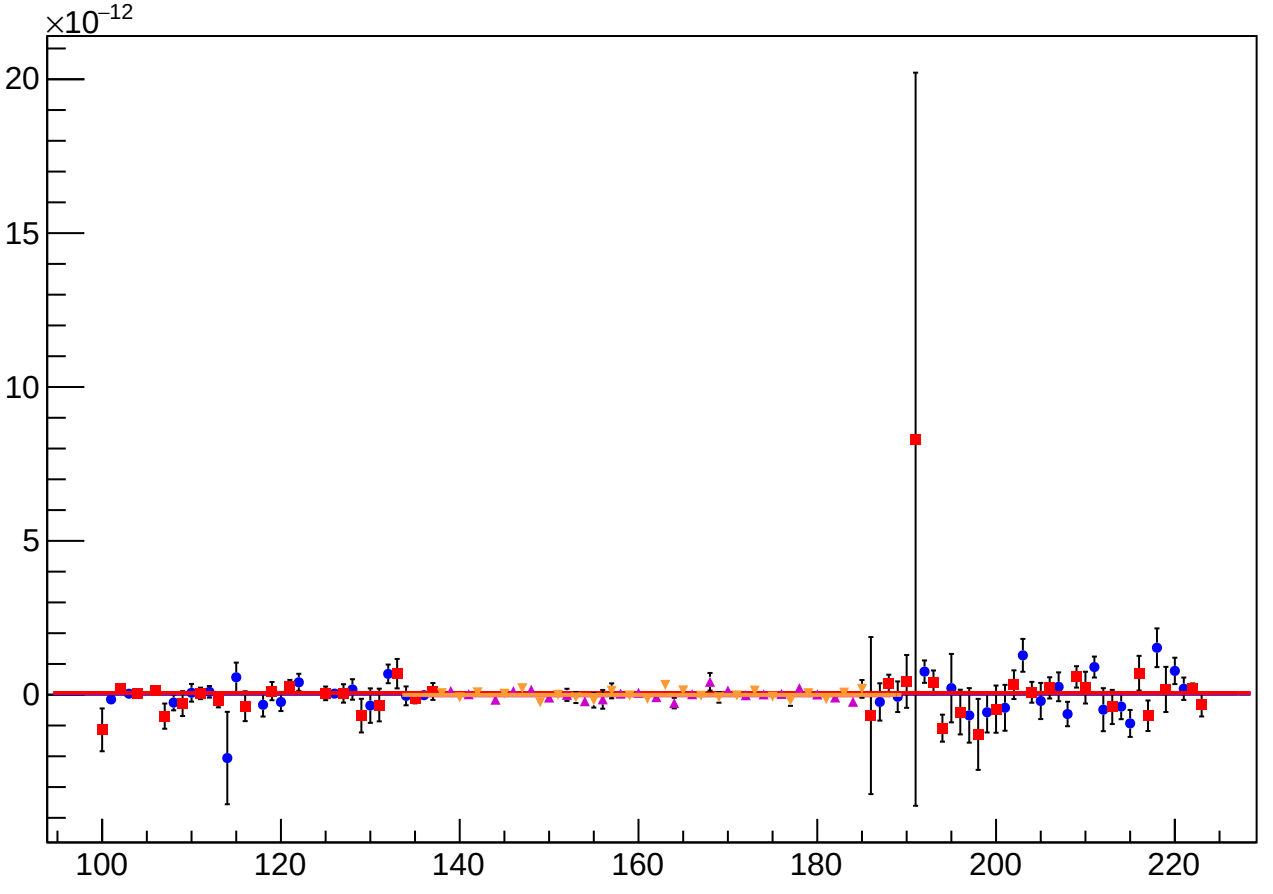
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3713.957+/-0.428 χ^2/NDF: 4629918.8/57

All: 3629.150+/-0.299 χ^2/NDF: 13188595.6/1

- sign 3549.061+/-0.416 χ^2/NDF: 8482470.4/60

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 52.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

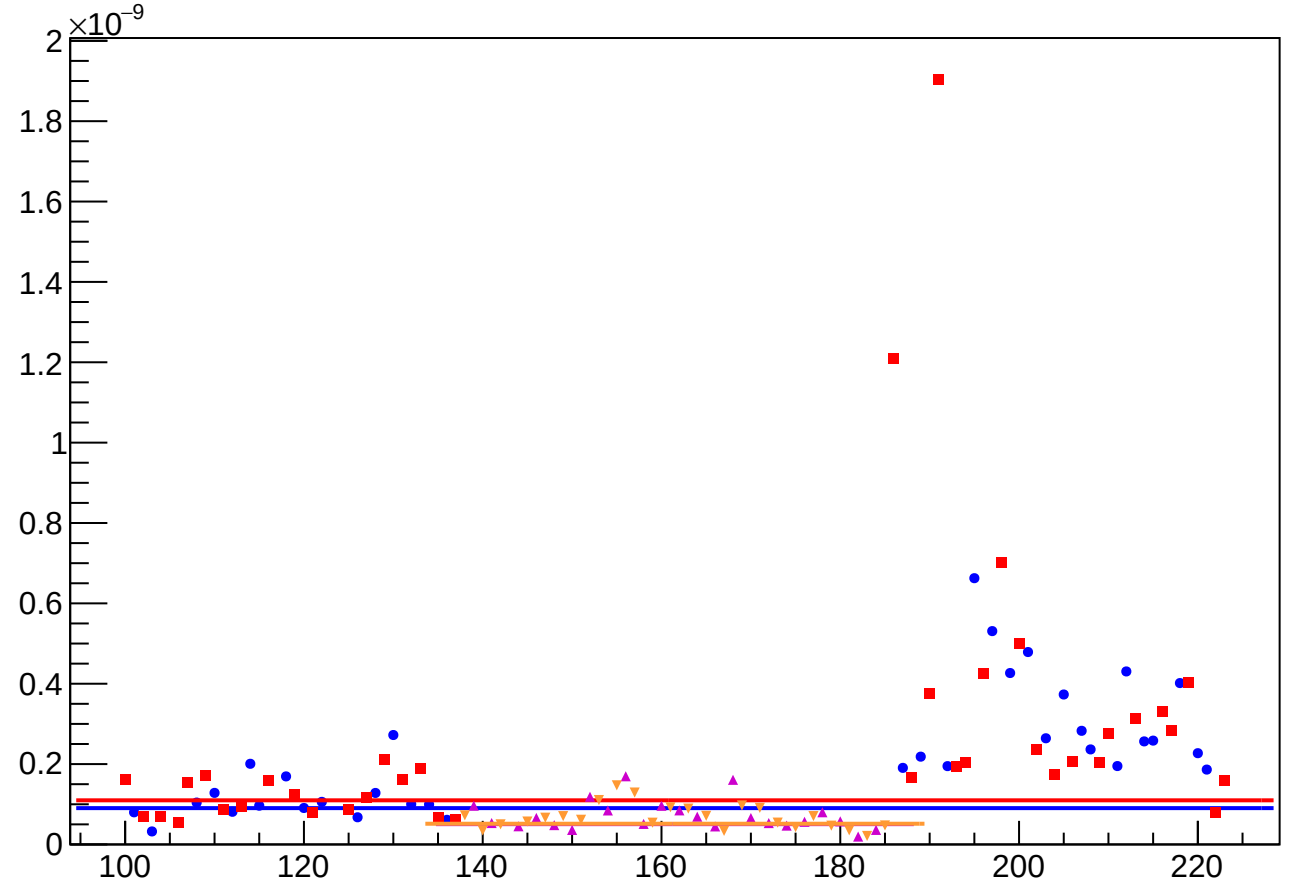
Right Out: 0.000+/-0.000 χ^2/NDF: 38.1/37

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.7/57

All: -0.000+/-0.000 χ^2/NDF: 142.7/118

- sign -0.000+/-0.000 χ^2/NDF: 65.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 7723496.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5462287.0/37

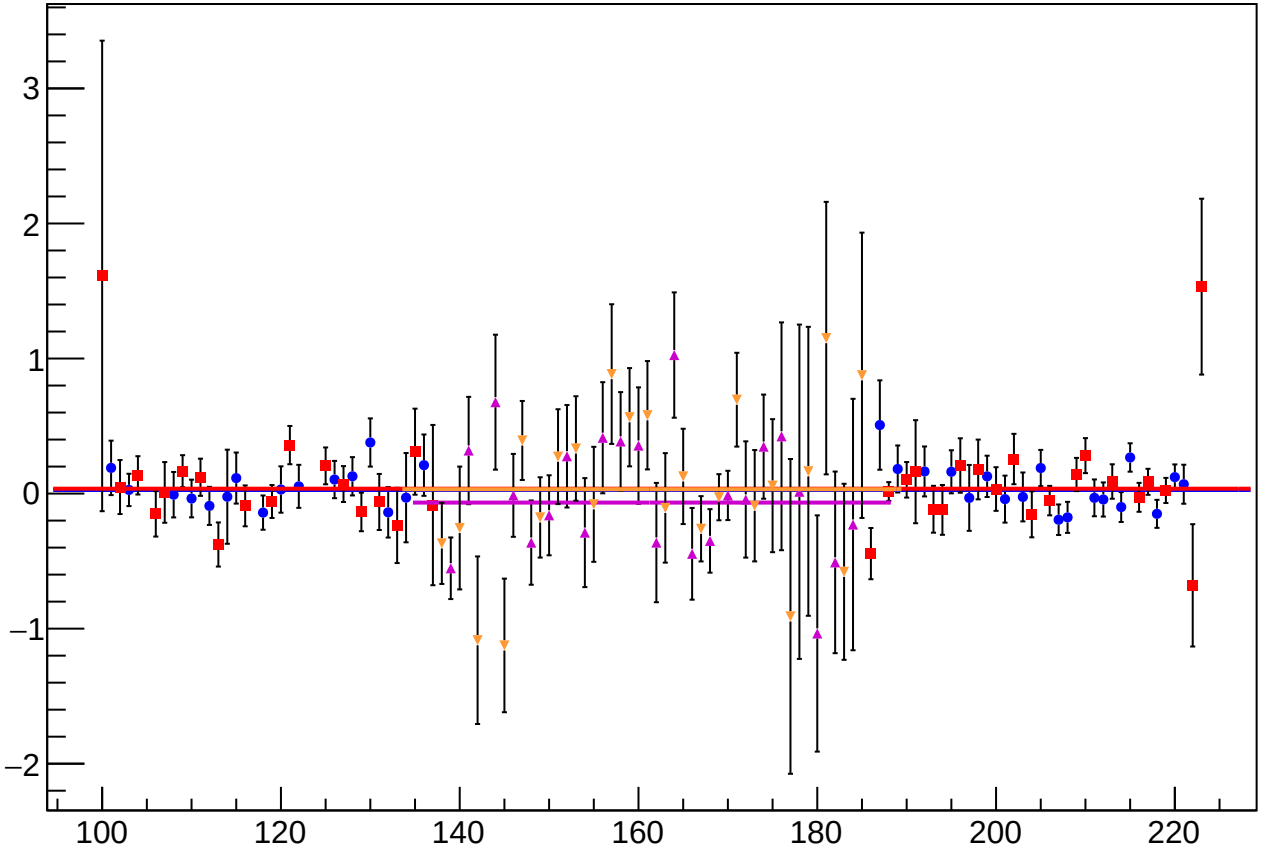
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11370406.4/57

All: 0.000+/-0.000 χ^2/NDF: 21966572.6/118

- sign 0.000+/-0.000 χ^2/NDF: 10592664.7/60

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 34.1/33

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.036+/-0.024 χ^2/NDF: 47.7/37

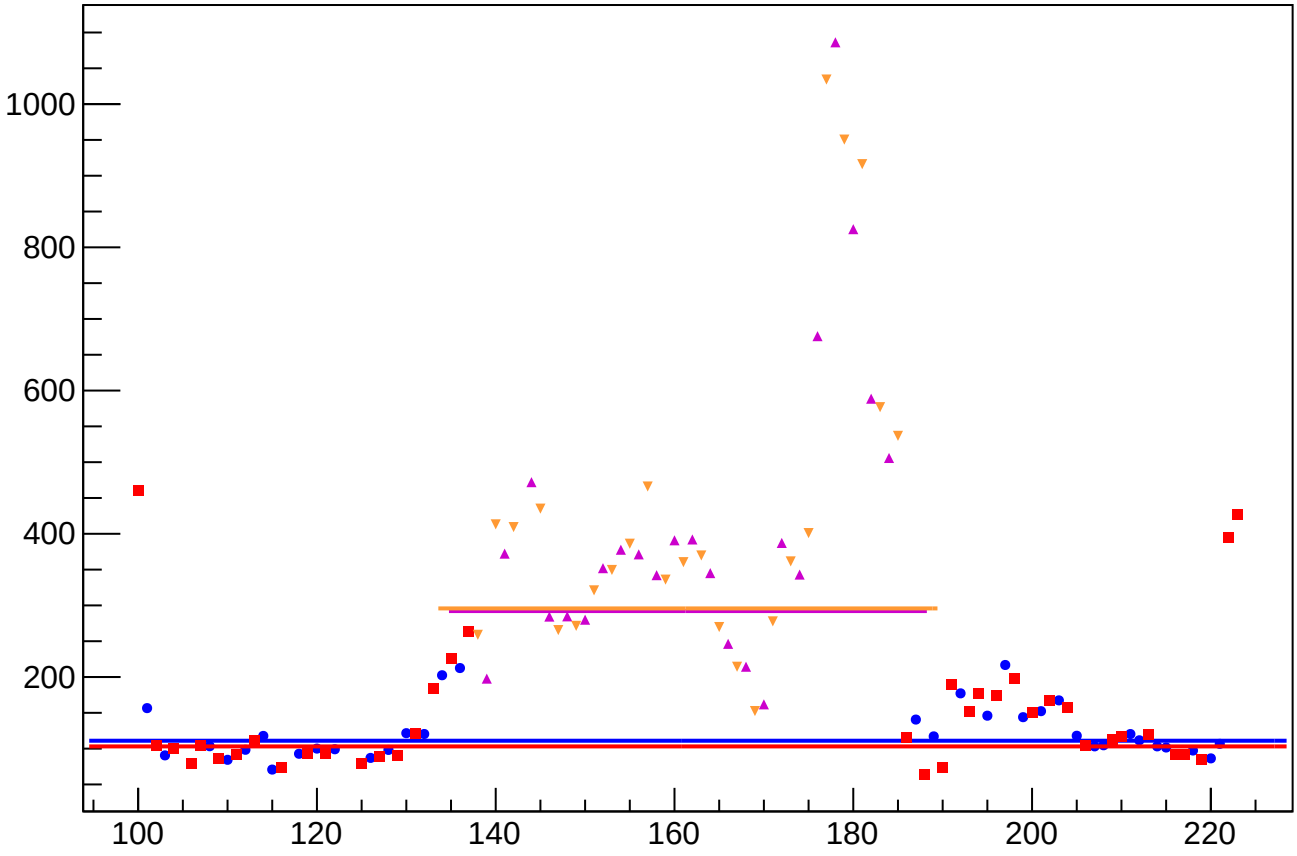
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.024 χ^2/NDF: 63.8/57

All: 0.027+/-0.016 χ^2/NDF: 139.0/118

- sign 0.027+/-0.023 χ^2/NDF: 75.1/60

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 111.039+/-0.018 χ^2/NDF: 2422309.1/33

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

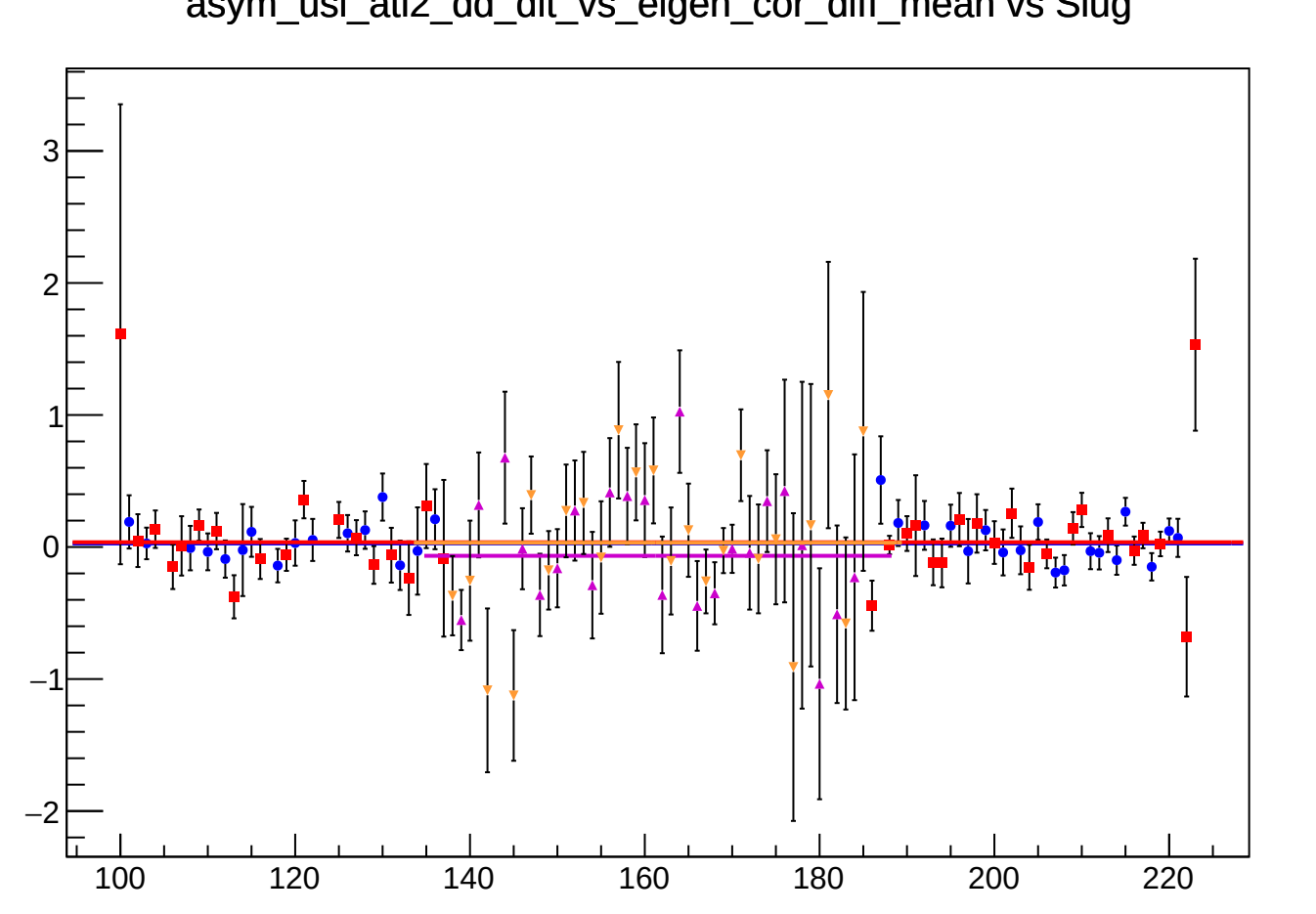
Right Out: 103.096+/-0.017 χ^2/NDF: 5094724.3/37

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 129.294+/-0.017 χ^2/NDF: 18574038.3/57

All: 124.714+/-0.012 χ^2/NDF: 40477838.6/11

- sign 120.572+/-0.016 χ^2/NDF: 21763818.8/60



Right In: 0.027+/-0.025 χ^2/NDF: 34.1/33

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

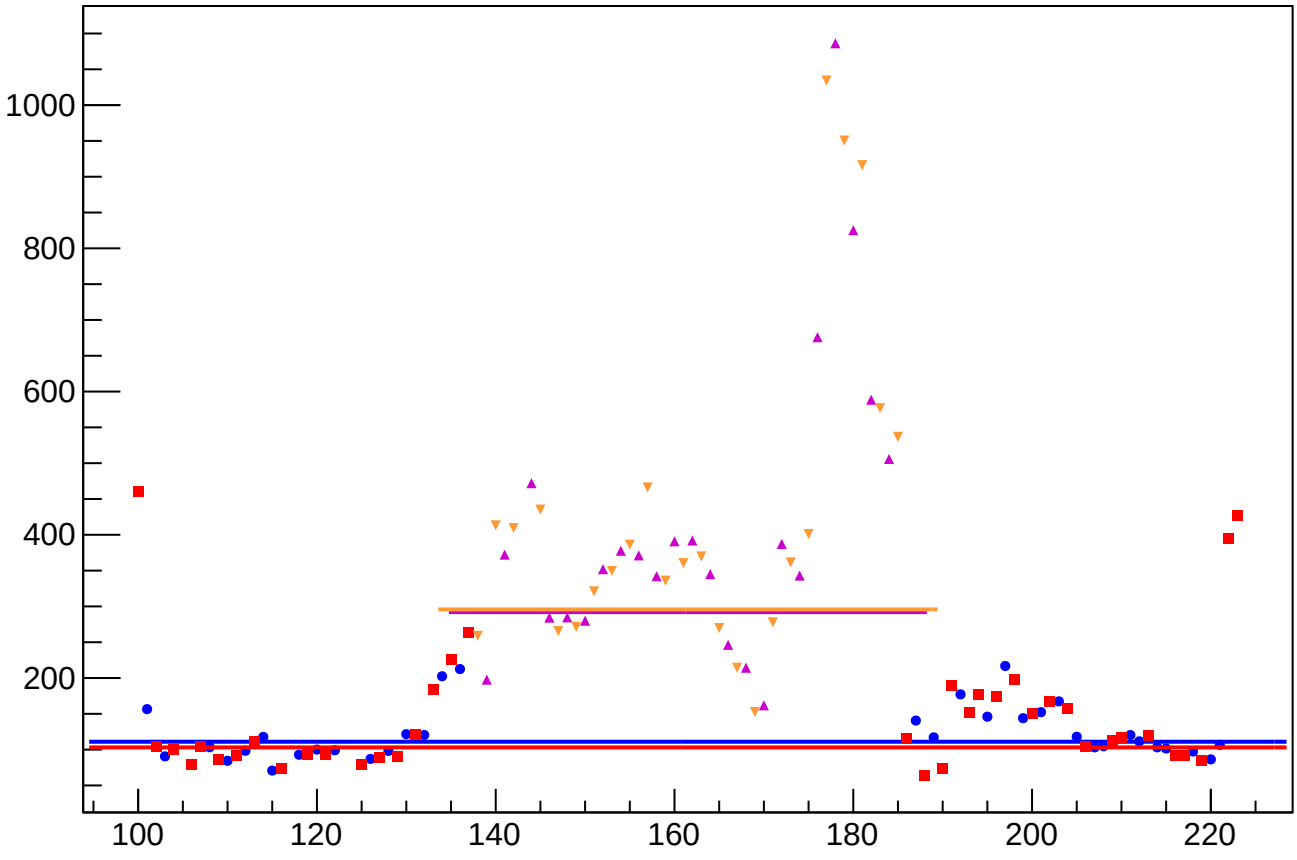
Right Out: 0.036+/-0.024 χ^2/NDF: 47.7/37

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.024 χ^2/NDF: 63.8/57

All: 0.027+/-0.016 χ^2/NDF: 139.0/118

- sign 0.027+/-0.023 χ^2/NDF: 75.1/60



Right In: 111.039+/-0.018 χ^2/NDF: 2422309.1/33

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

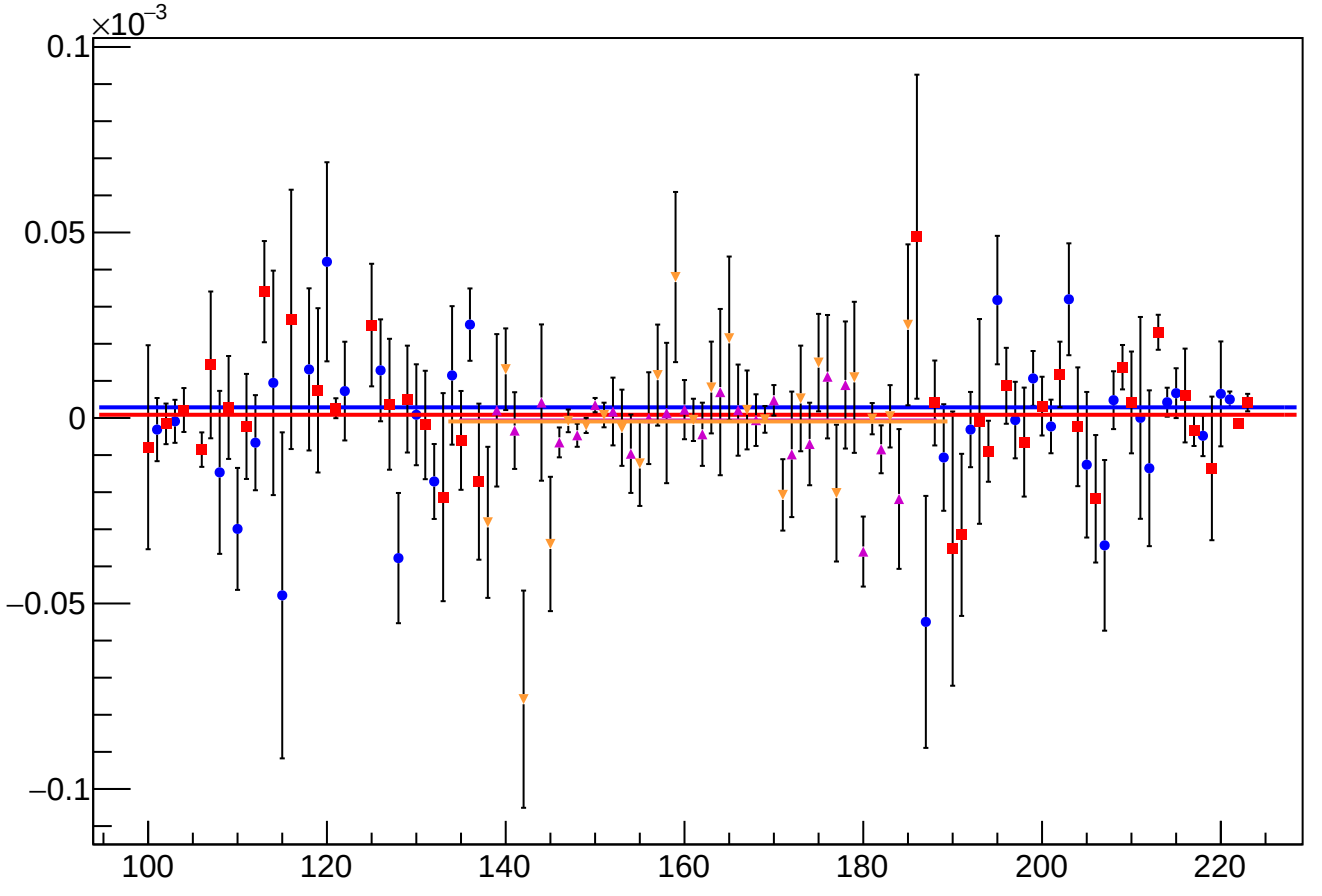
Right Out: 103.096+/-0.017 χ^2/NDF: 5094724.3/37

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 129.294+/-0.017 χ^2/NDF: 18574038.3/57

All: 124.714+/-0.012 χ^2/NDF: 40477838.6/11

- sign 120.572+/-0.016 χ^2/NDF: 21763818.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 45.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

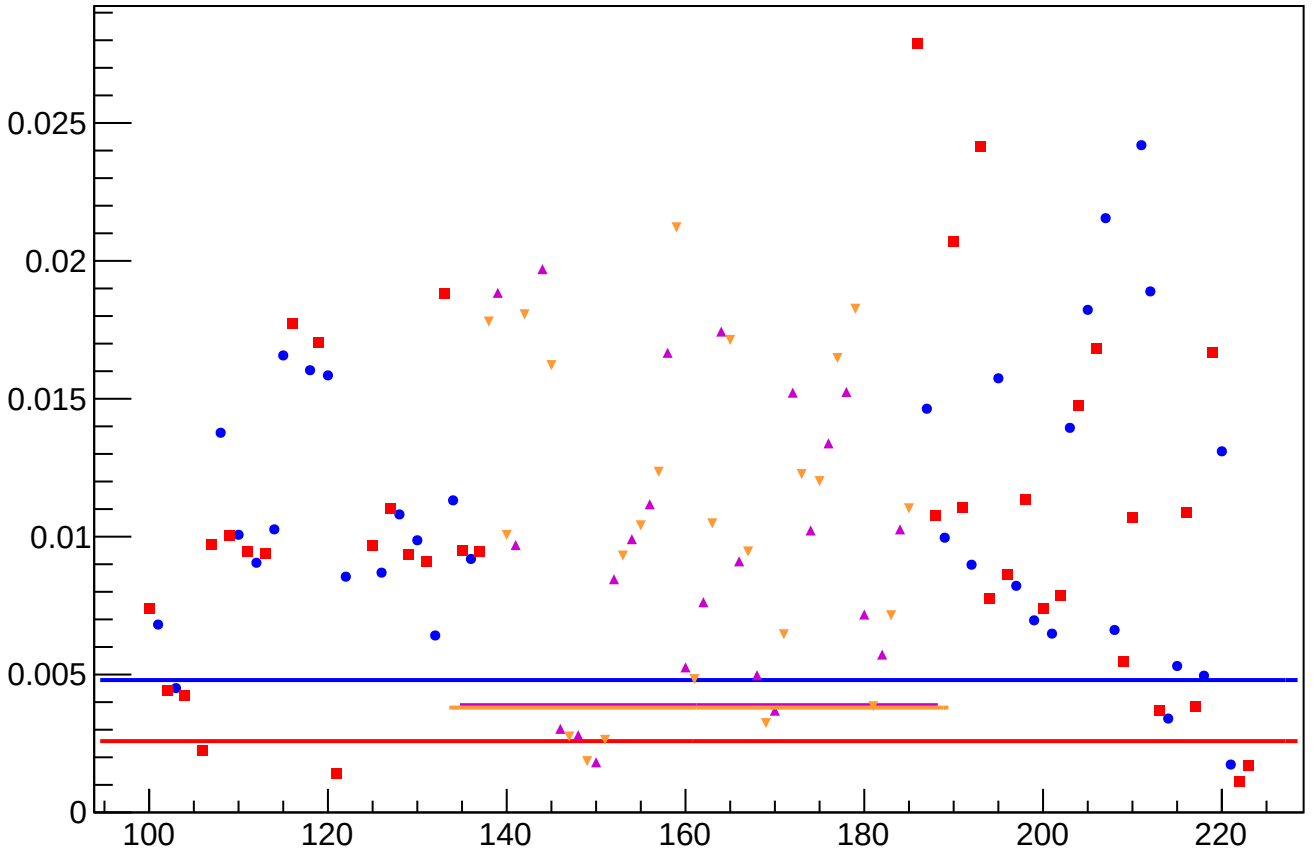
Right Out: 0.000+/-0.000 χ^2/NDF: 60.4/37

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.5/57

All: 0.000+/-0.000 χ^2/NDF: 169.9/118

- sign 0.000+/-0.000 χ^2/NDF: 91.3/60



Right In: 0.005+/-0.000 χ^2/NDF: 15428381.1/33

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

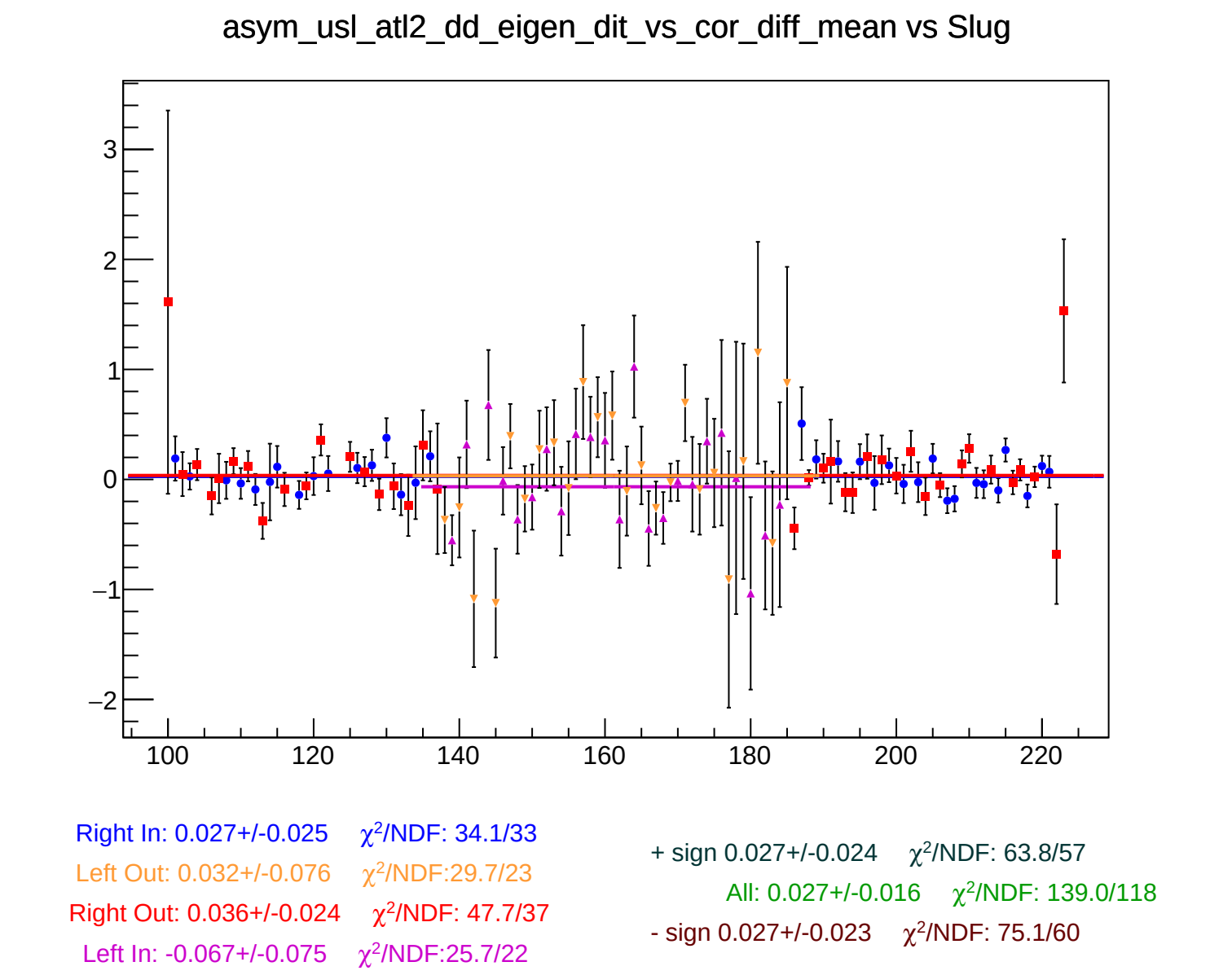
Right Out: 0.003+/-0.000 χ^2/NDF: 23496779.3/37

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 30665369.3/57

All: 0.003+/-0.000 χ^2/NDF: 71553976.4/118

- sign 0.003+/-0.000 χ^2/NDF: 38531864.1/60


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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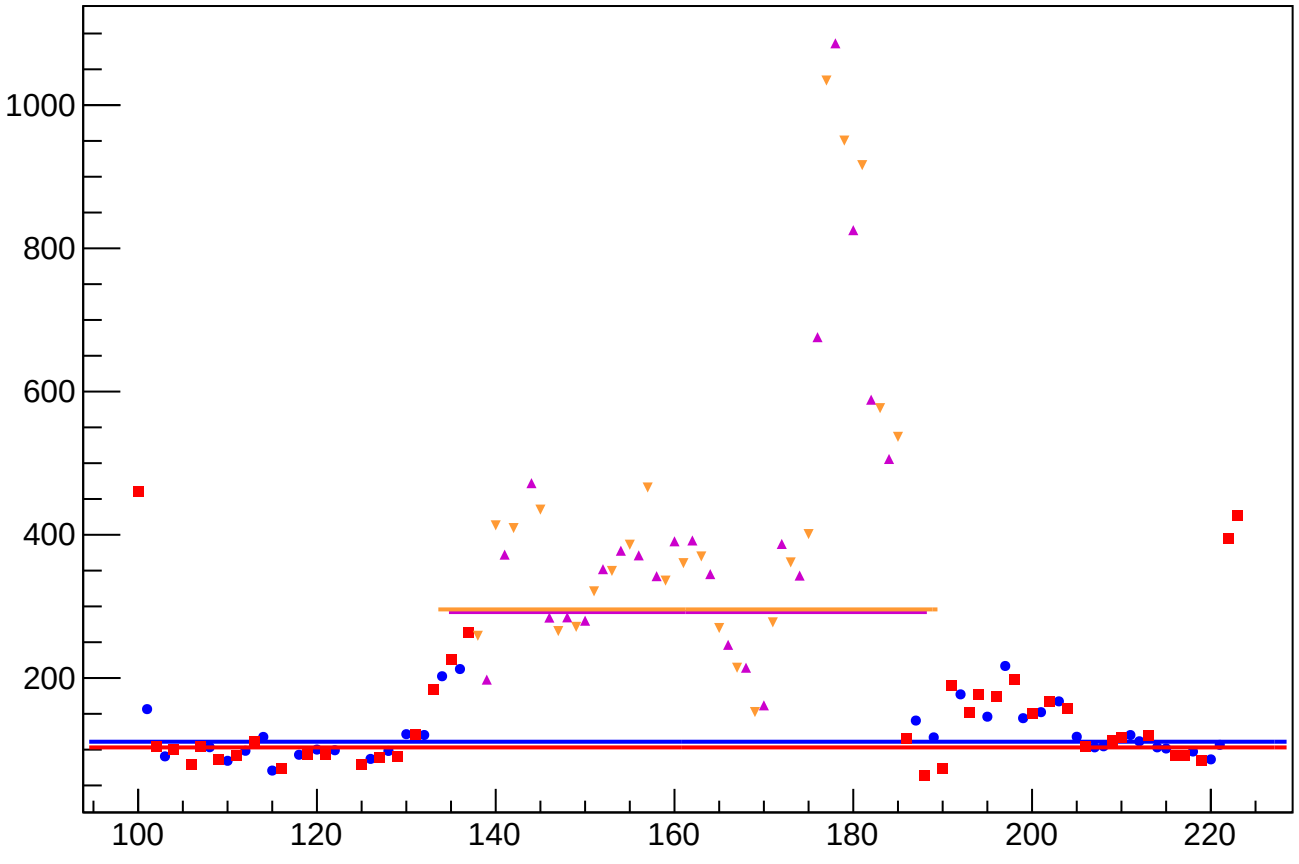
Right In: 0.027+/-0.025 χ²/NDF: 34.1/33
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.036+/-0.024 χ²/NDF: 47.7/37
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.027+/-0.024 χ²/NDF: 63.8/57
All: 0.027+/-0.016 χ²/NDF: 139.0/118
- sign 0.027+/-0.023 χ²/NDF: 75.1/60



Right In: 111.040+/-0.018 χ^2/NDF: 2422256.6/33

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

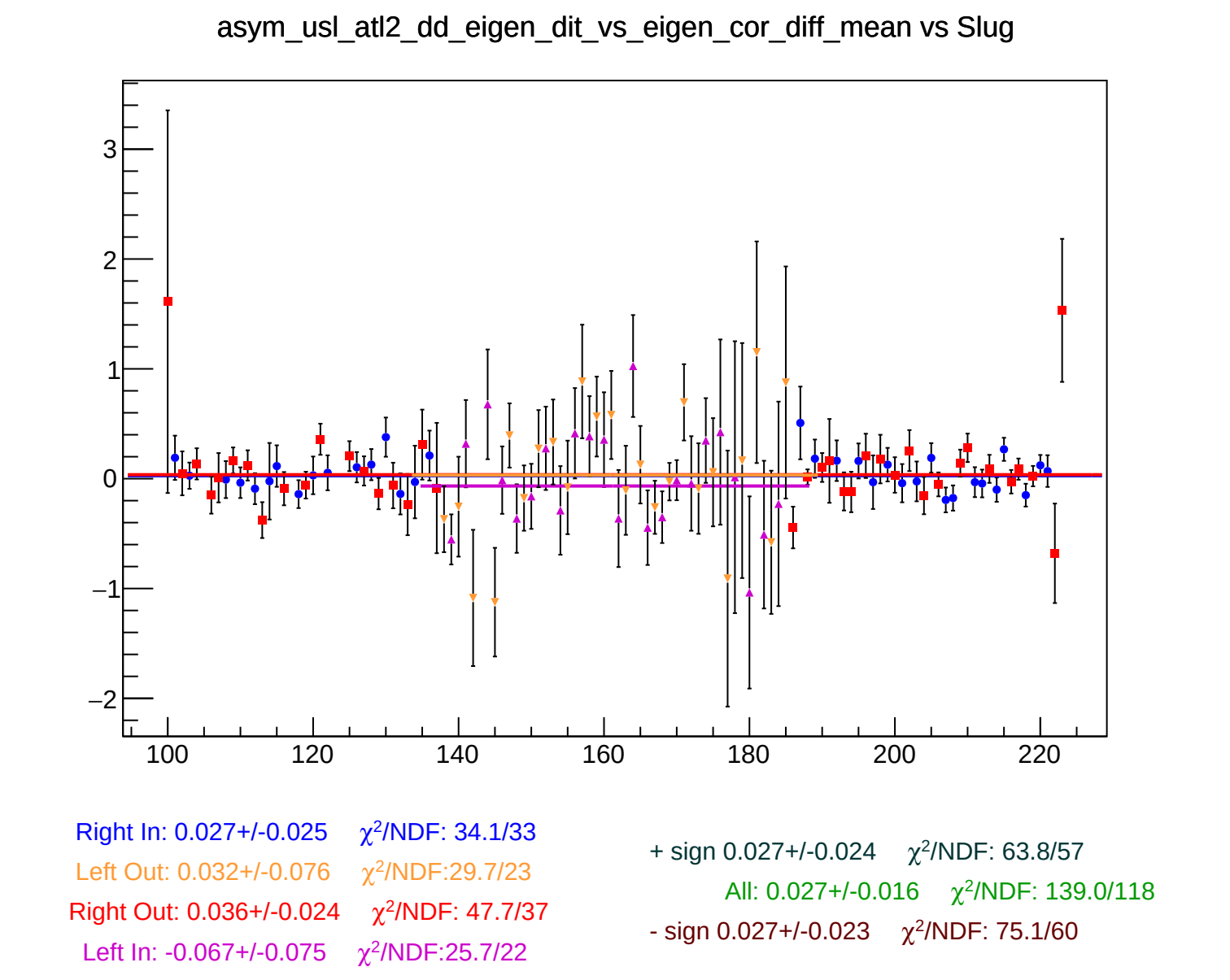
Right Out: 103.095+/-0.017 χ^2/NDF: 5094843.1/37

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 129.295+/-0.017 χ^2/NDF: 18574039.9/57

All: 124.714+/-0.012 χ^2/NDF: 40478226.4/11

- sign 120.571+/-0.016 χ^2/NDF: 21764160.8/60


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
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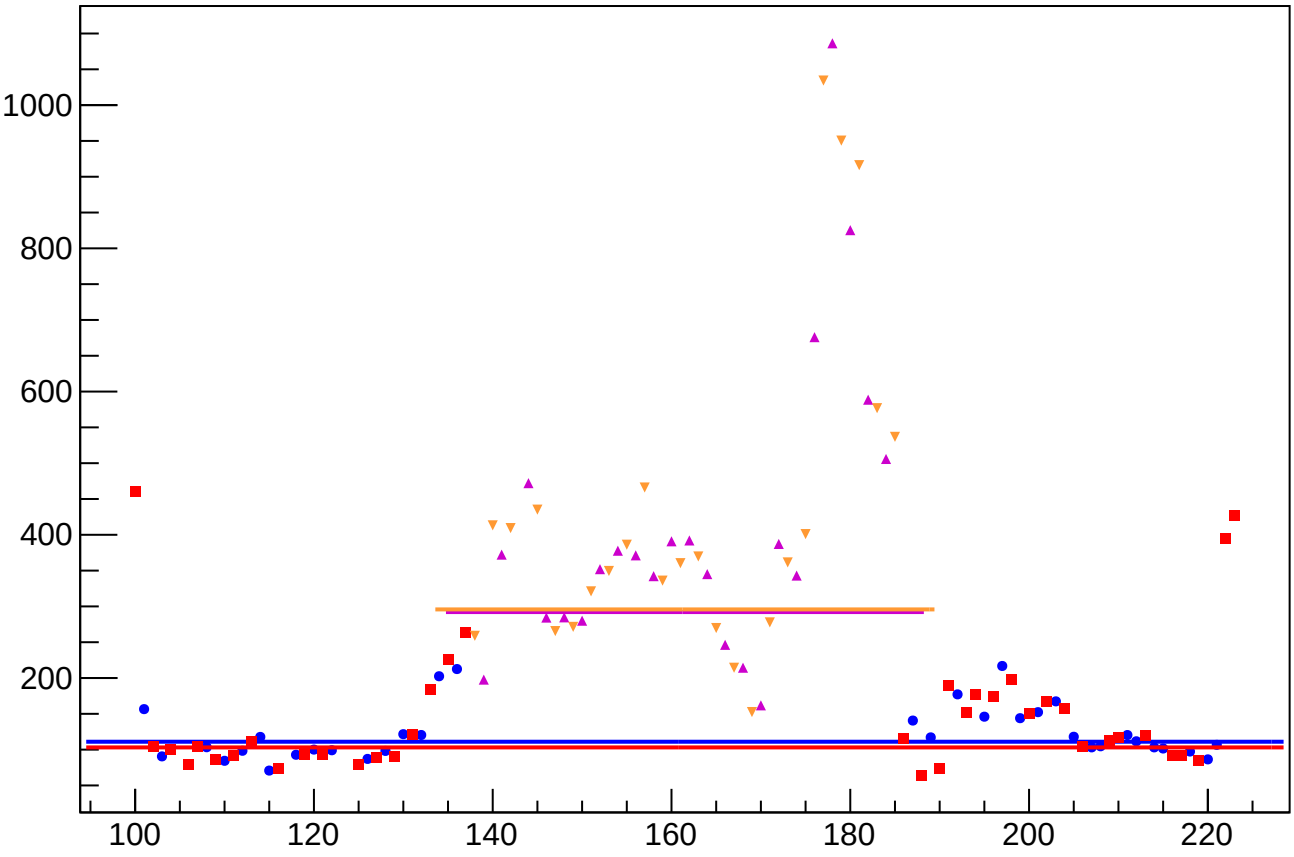
120
140
160
180
200
220
Right In: 0.027+/-0.025 χ²/NDF: 34.1/33
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.036+/-0.024 χ²/NDF: 47.7/37
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.027+/-0.024 χ²/NDF: 63.8/57
All: 0.027+/-0.016 χ²/NDF: 139.0/118
- sign 0.027+/-0.023 χ²/NDF: 75.1/60



Right In: 111.040+/-0.018 χ^2/NDF: 2422256.6/33

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

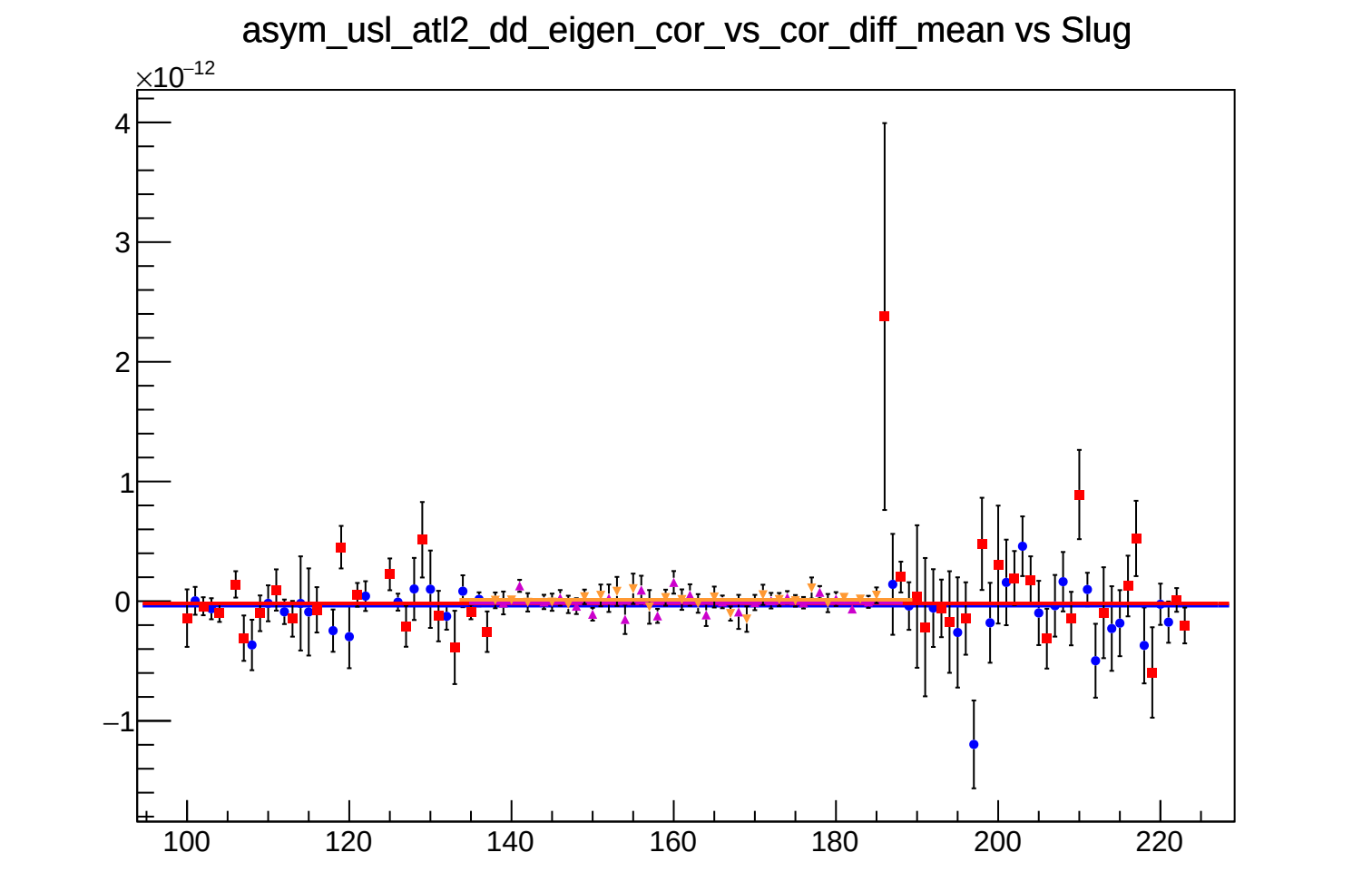
Right Out: 103.095+/-0.017 χ^2/NDF: 5094843.1/37

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 129.295+/-0.017 χ^2/NDF: 18574039.9/57

All: 124.714+/-0.012 χ^2/NDF: 40478226.4/11

- sign 120.571+/-0.016 χ^2/NDF: 21764160.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

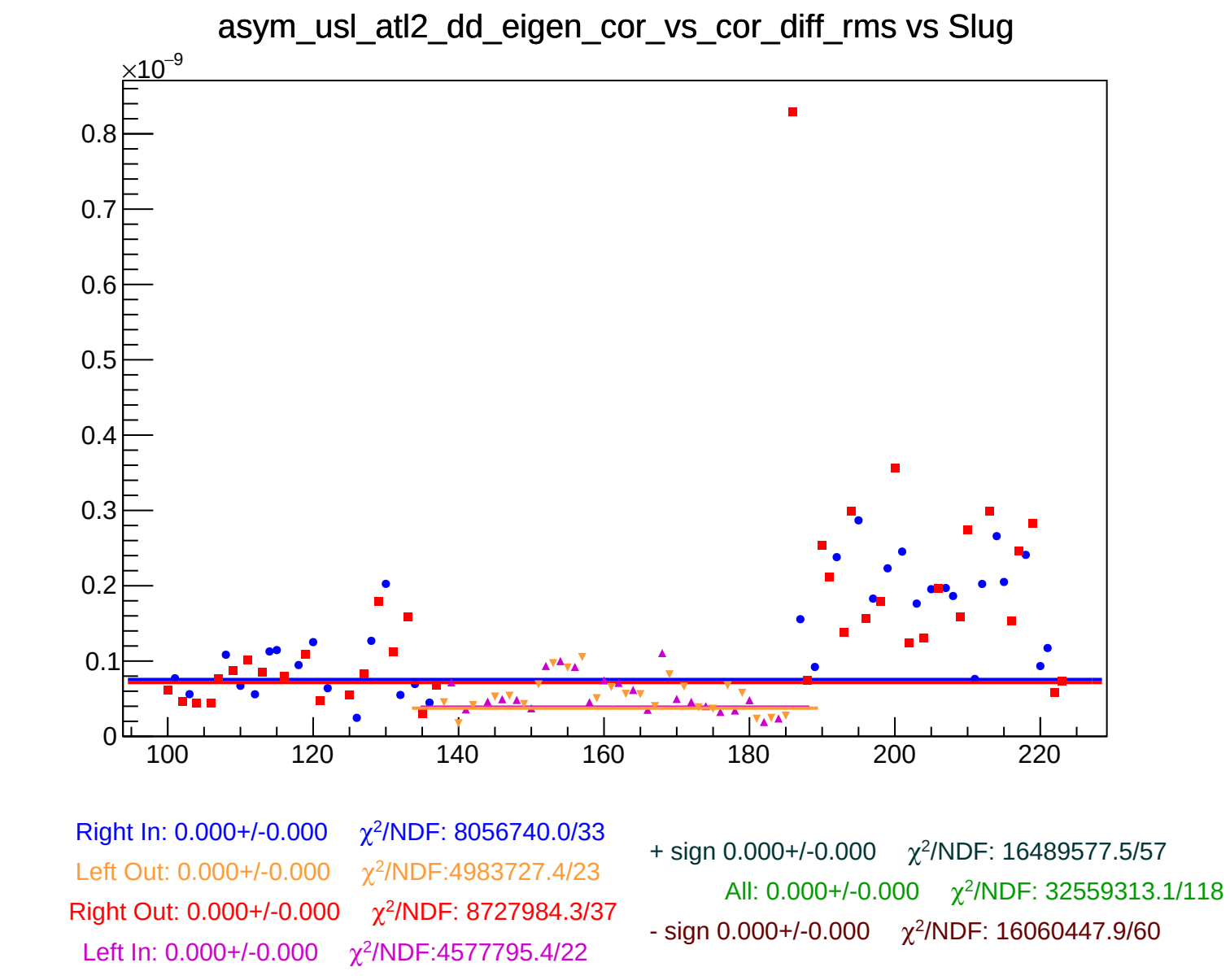
Right Out: -0.000+/-0.000 χ^2/NDF: 52.0/37

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/57

All: -0.000+/-0.000 χ^2/NDF: 127.5/118

- sign -0.000+/-0.000 χ^2/NDF: 82.9/60


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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0.4
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0.2
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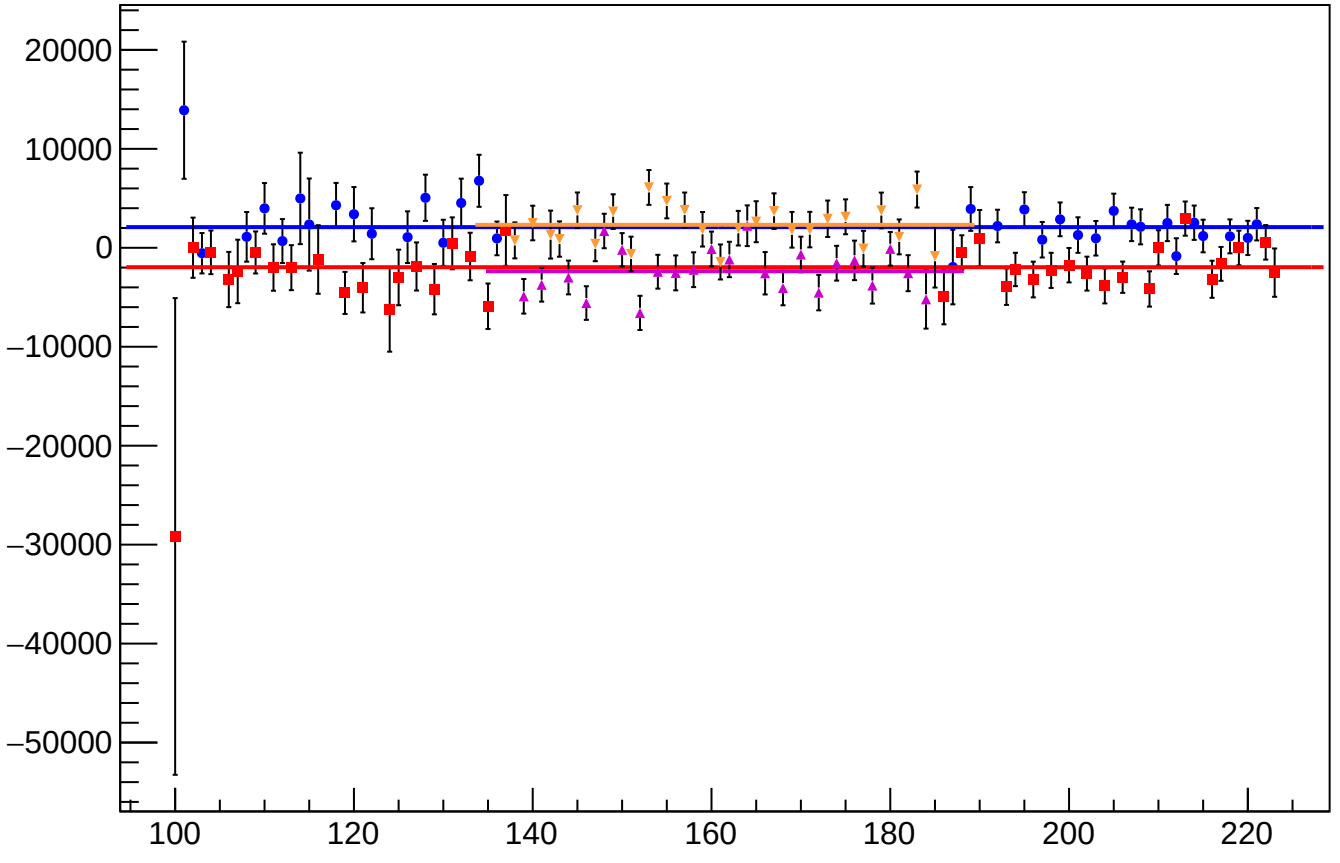
220
Right In: 0.000+/-0.000 χ²/NDF: 8056740.0/33
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 8727984.3/37
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 16489577.5/57
All: 0.000+/-0.000 χ²/NDF: 32559313.1/118
- sign 0.000+/-0.000 χ²/NDF: 16060447.9/60

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2088.409+/-350.664 χ^2/NDF: 23.1/33

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -1961.522+/-345.935 χ^2/NDF: 33.1/37

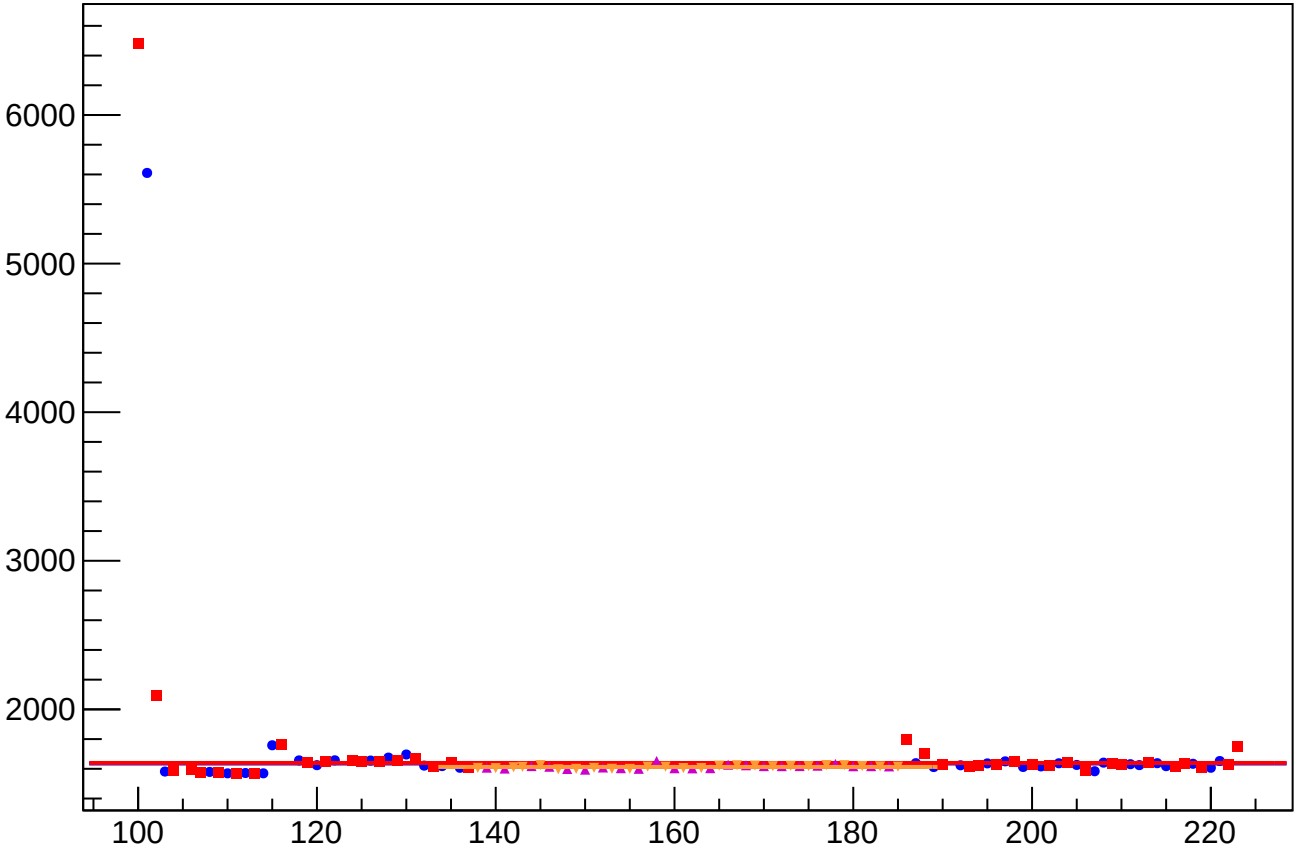
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2199.666+/-253.304 χ^2/NDF: 50.8/58

All: 38.540+/-179.649 χ^2/NDF: 264.7/119

- sign -2148.638+/-254.827 χ^2/NDF: 67.5/60

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.804+/-0.248 χ^2/NDF: 672573.8/33

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.319+/-0.245 χ^2/NDF: 153865.3/37

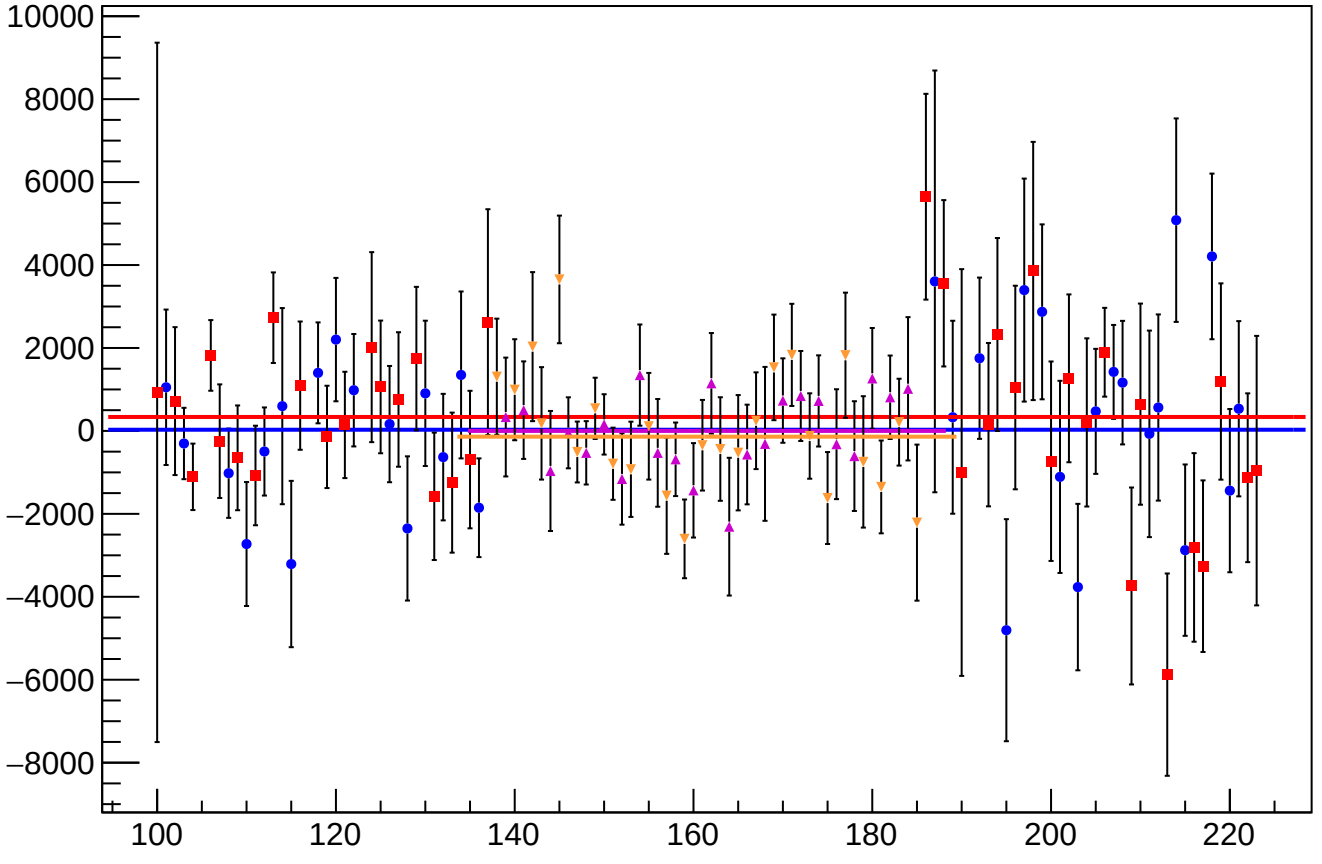
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.712+/-0.179 χ^2/NDF: 677931.6/58

All: 1626.169+/-0.127 χ^2/NDF: 839265.2/119

- sign 1627.644+/-0.180 χ^2/NDF: 161200.4/60

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: 28.397+/-276.634 χ^2/NDF: 42.1/33

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 336.440+/-263.863 χ^2/NDF: 45.8/37

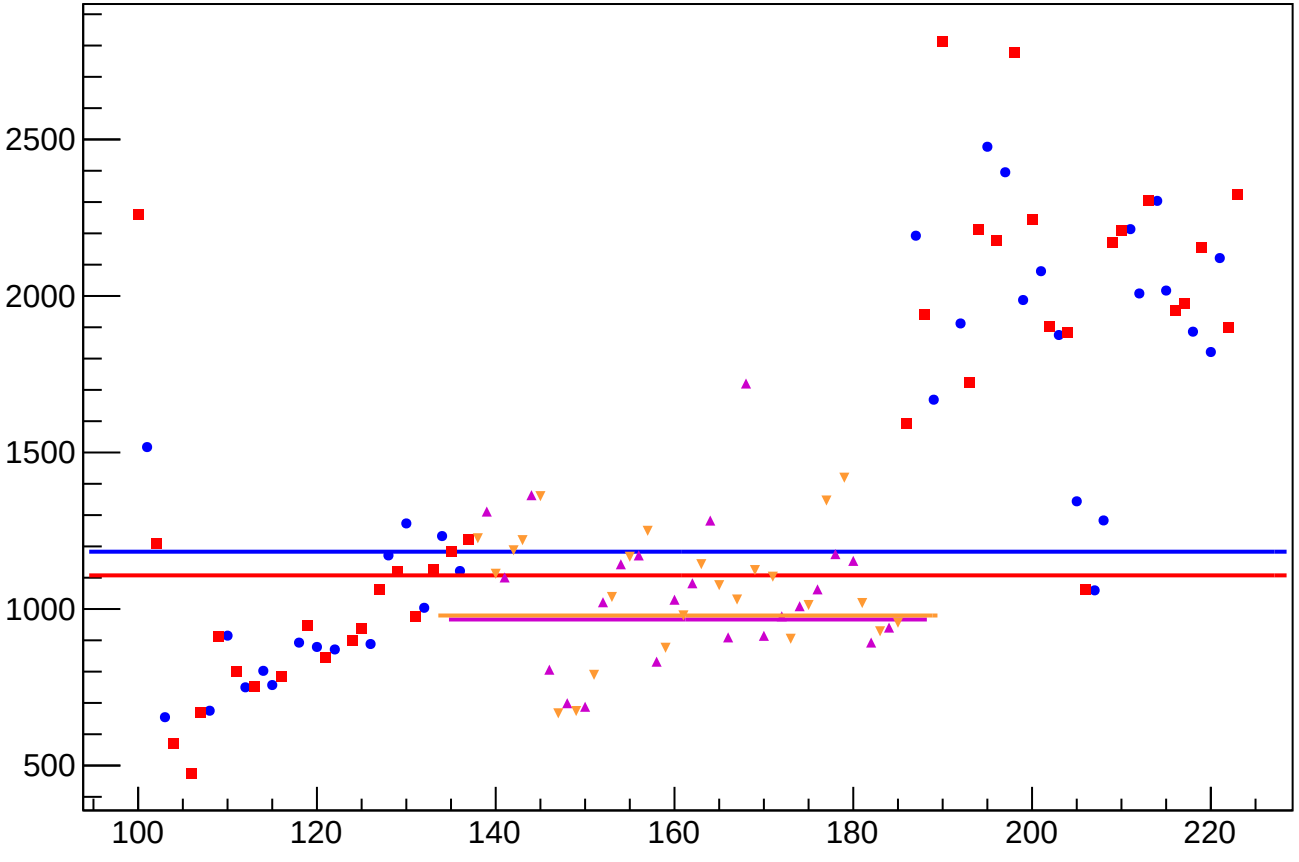
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -70.901+/-176.459 χ^2/NDF: 72.4/58

All: 39.294+/-123.965 χ^2/NDF: 132.8/119

- sign 146.673+/-174.190 χ^2/NDF: 59.6/60

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1183.112+/-0.196 χ^2/NDF: 6646199.1/33

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1107.469+/-0.187 χ^2/NDF: 9125730.9/37

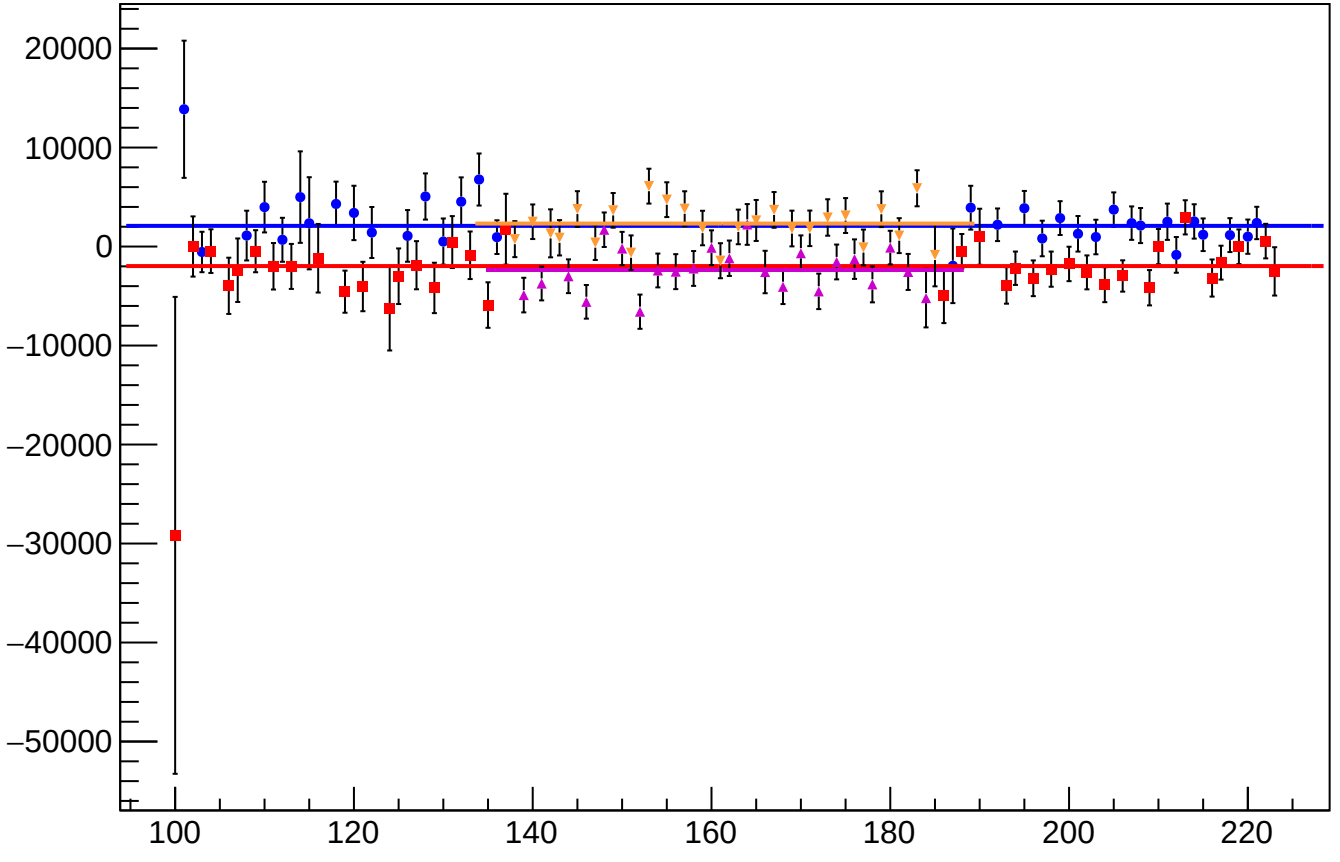
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1062.225+/-0.125 χ^2/NDF: 8920750.5/58

All: 1044.865+/-0.088 χ^2/NDF: 20009249.0/1

- sign 1027.949+/-0.123 χ^2/NDF: 11050279.3/60

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2088.166+/-350.664 χ^2/NDF: 23.1/33

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -1972.291+/-346.027 χ^2/NDF: 33.4/37

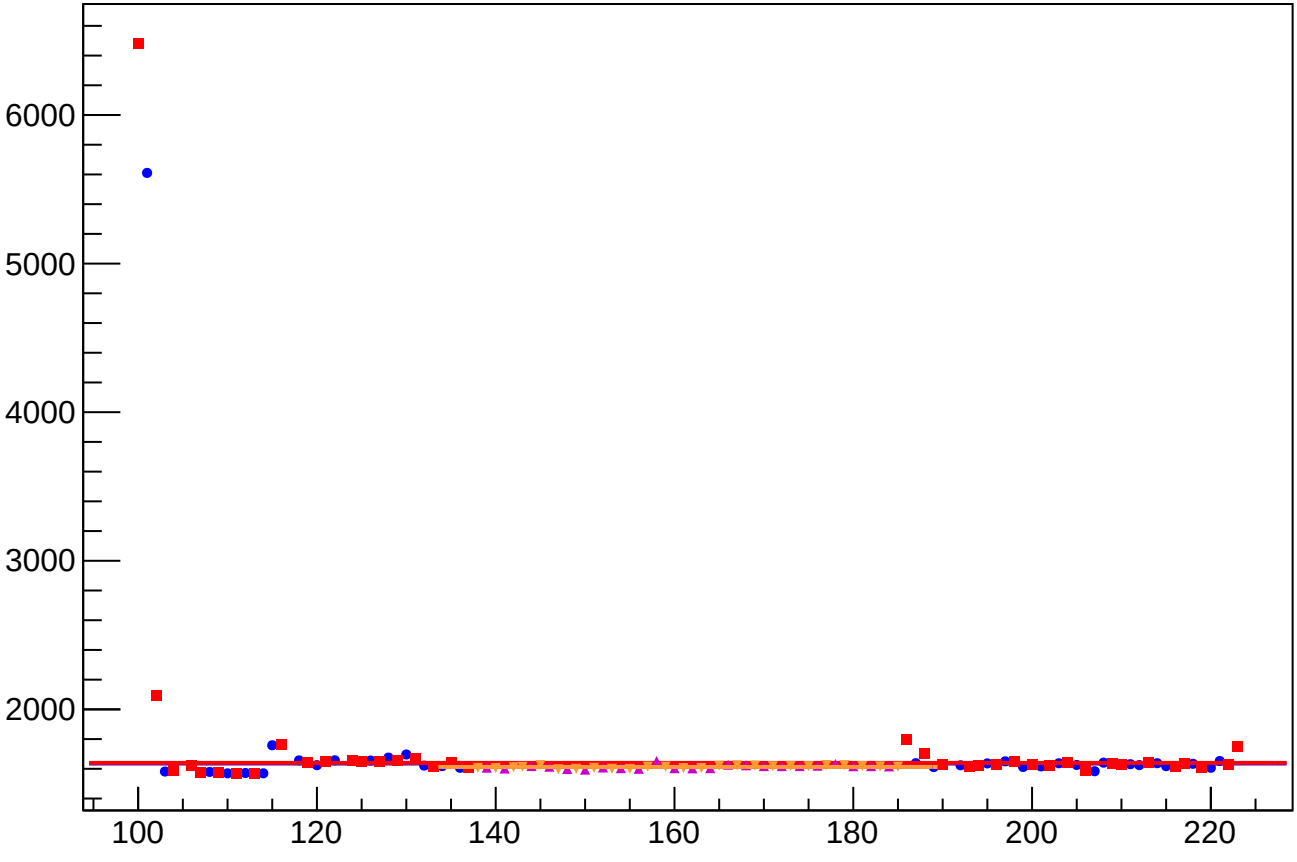
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2199.519+/-253.304 χ^2/NDF: 50.8/58

All: 35.832+/-179.662 χ^2/NDF: 265.3/119

- sign -2154.566+/-254.863 χ^2/NDF: 67.8/60

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.804+/-0.248 χ^2/NDF: 672573.3/33

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.736+/-0.245 χ^2/NDF: 153414.2/37

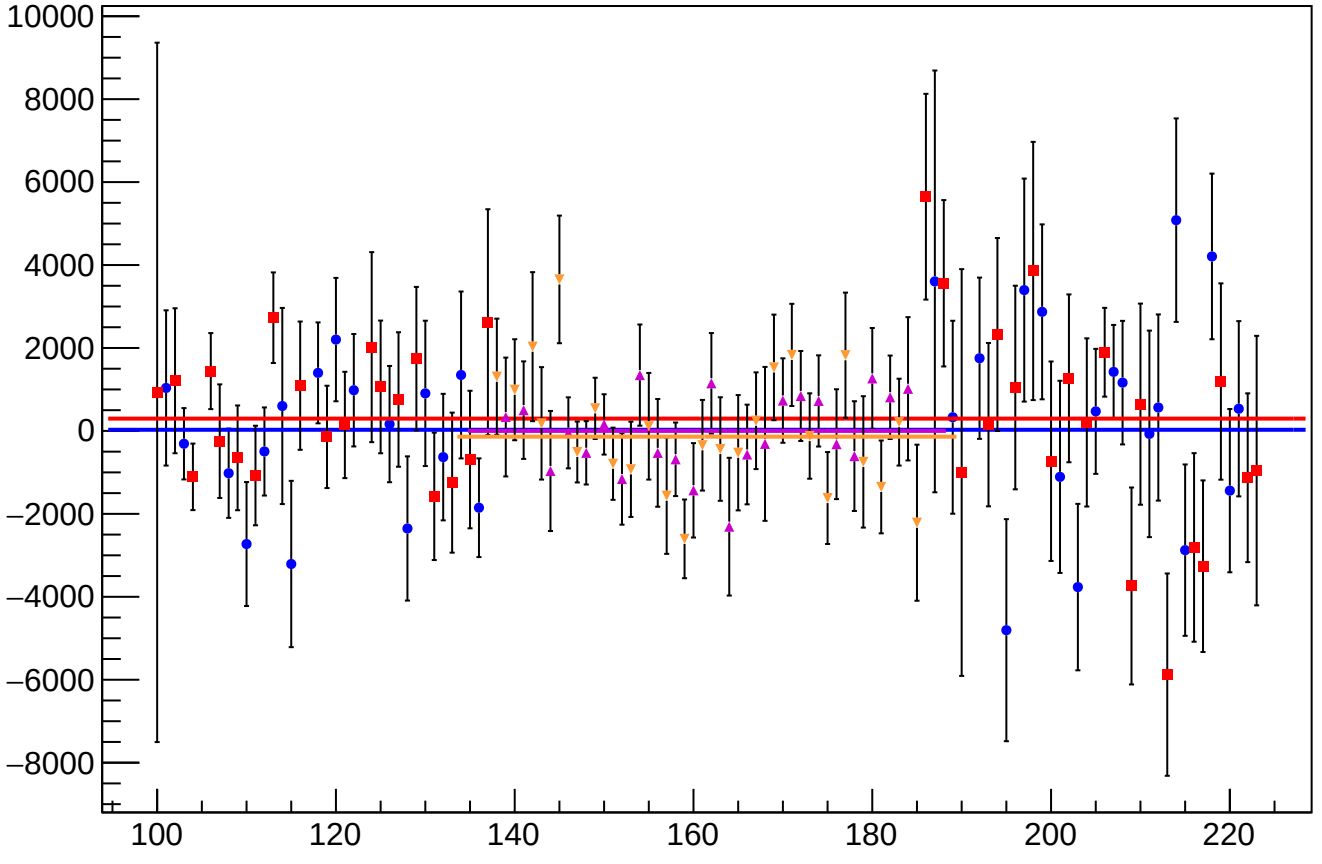
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.712+/-0.179 χ^2/NDF: 677931.1/58

All: 1626.280+/-0.127 χ^2/NDF: 838997.7/119

- sign 1627.867+/-0.180 χ^2/NDF: 160912.4/60

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: 27.476+/-276.611 χ^2/NDF: 42.1/33

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 296.910+/-265.518 χ^2/NDF: 44.4/37

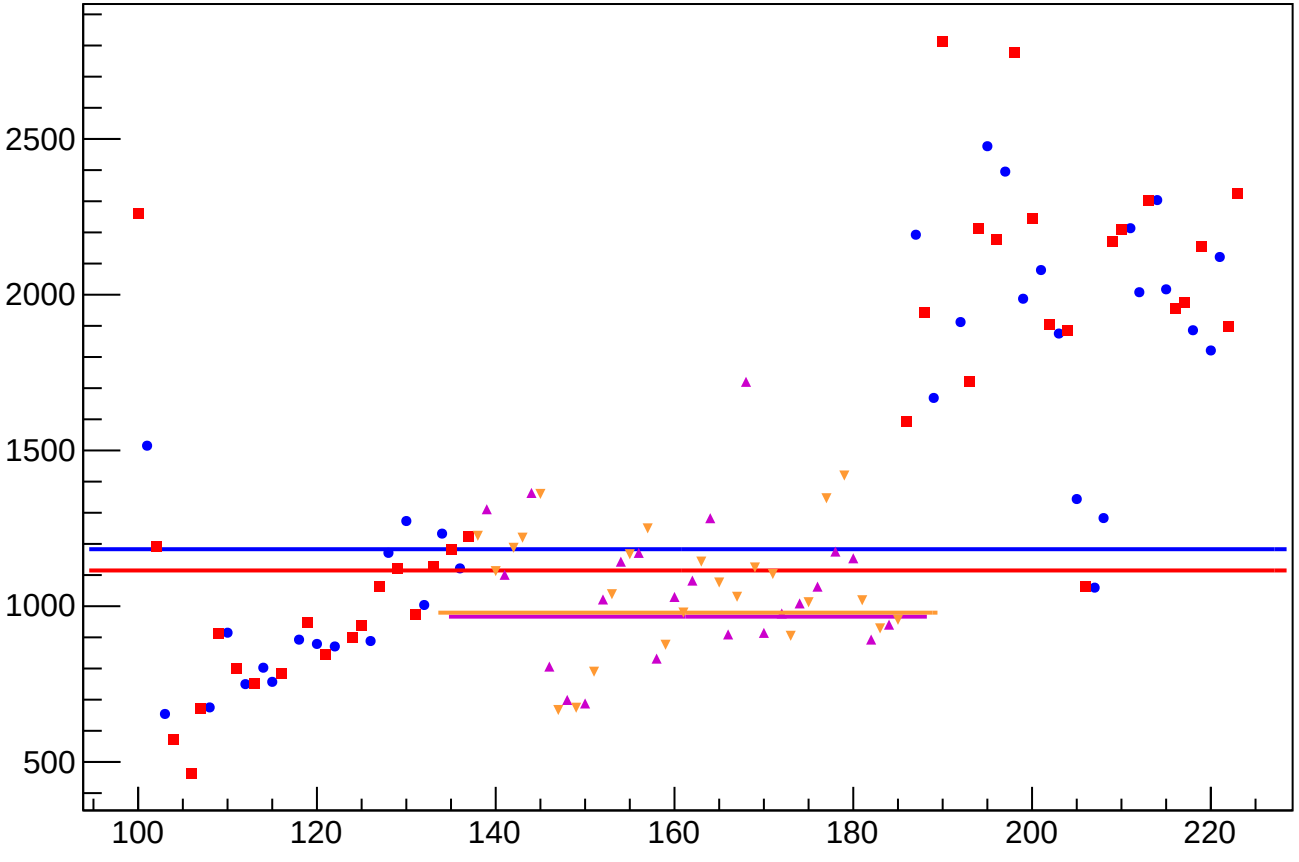
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -71.300+/-176.452 χ^2/NDF: 72.4/58

All: 29.628+/-124.133 χ^2/NDF: 131.0/119

\- sign 128.521+/-174.664 χ^2/NDF: 58.0/60

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1182.997+/-0.196 χ^2/NDF: 6647361.1/33

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1114.761+/-0.188 χ^2/NDF: 9002137.0/37

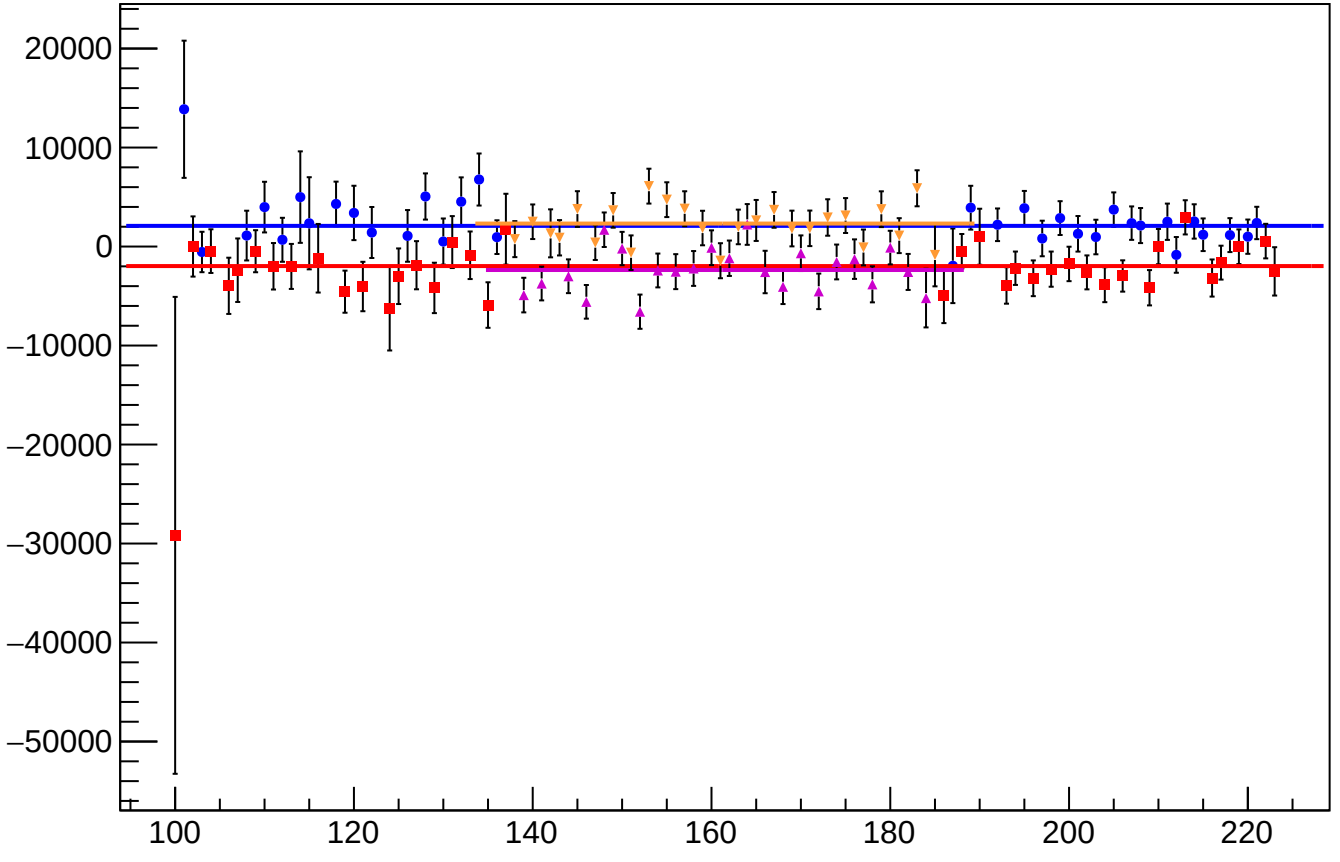
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1062.183+/-0.125 χ^2/NDF: 8921399.4/58

All: 1046.268+/-0.088 χ^2/NDF: 19911897.6/1

- sign 1030.675+/-0.124 χ^2/NDF: 10958289.0/60

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2088.166+/-350.664 χ^2/NDF: 23.1/33

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -1972.291+/-346.027 χ^2/NDF: 33.4/37

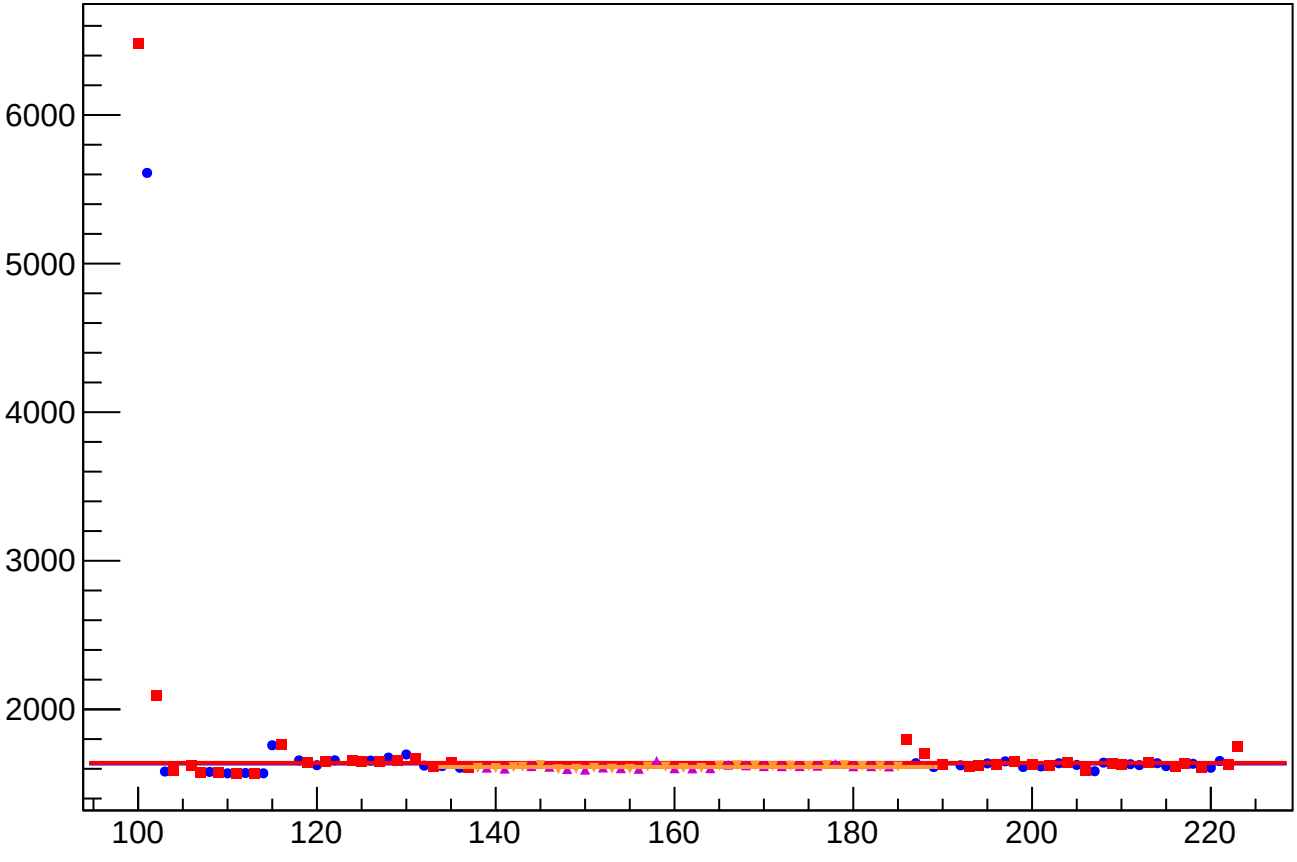
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2199.519+/-253.304 χ^2/NDF: 50.8/58

All: 35.832+/-179.662 χ^2/NDF: 265.3/119

- sign -2154.566+/-254.863 χ^2/NDF: 67.8/60

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.804+/-0.248 χ^2/NDF: 672573.3/33

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.736+/-0.245 χ^2/NDF: 153414.2/37

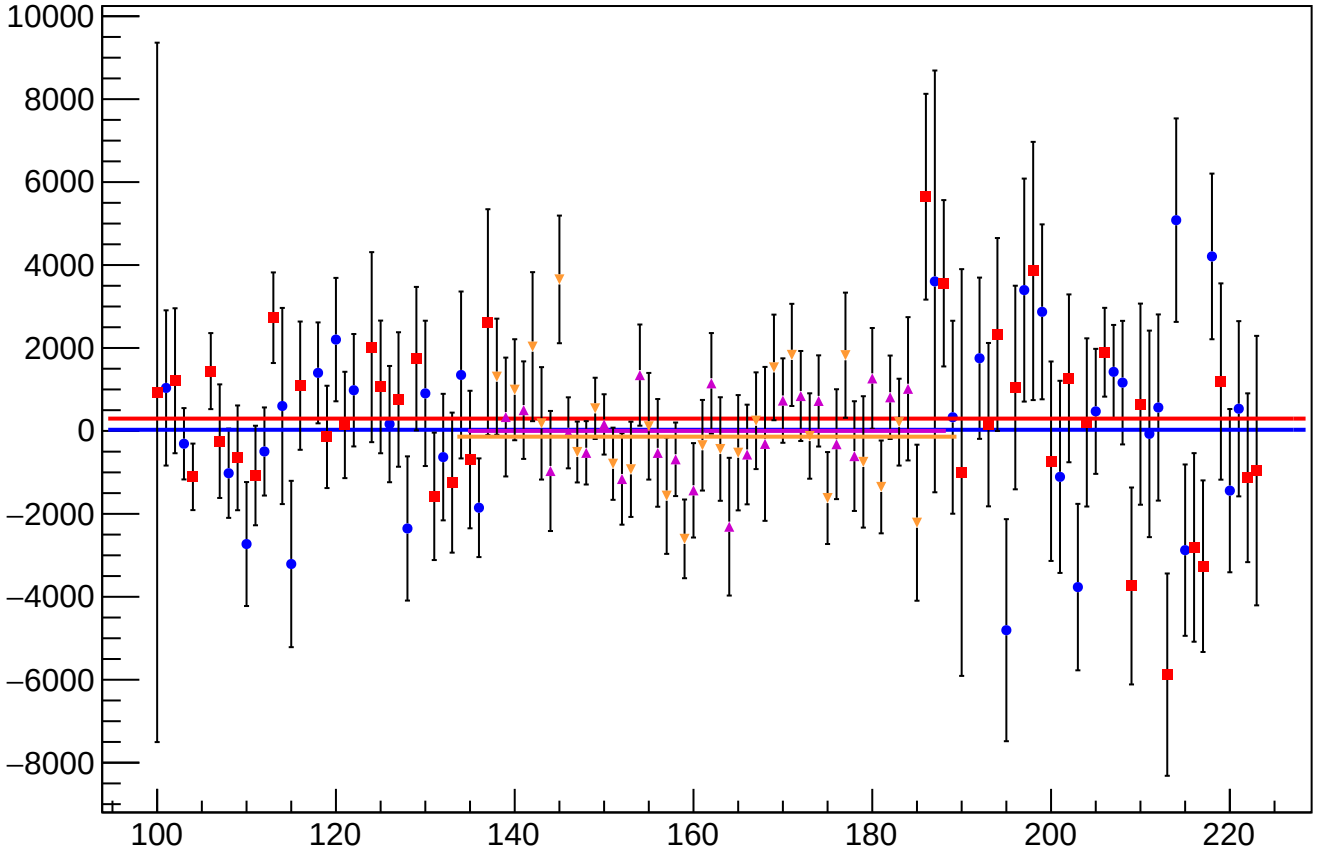
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.712+/-0.179 χ^2/NDF: 677931.1/58

All: 1626.280+/-0.127 χ^2/NDF: 838997.7/119

- sign 1627.867+/-0.180 χ^2/NDF: 160912.4/60

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: 27.476+/-276.611 χ^2/NDF: 42.1/33

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

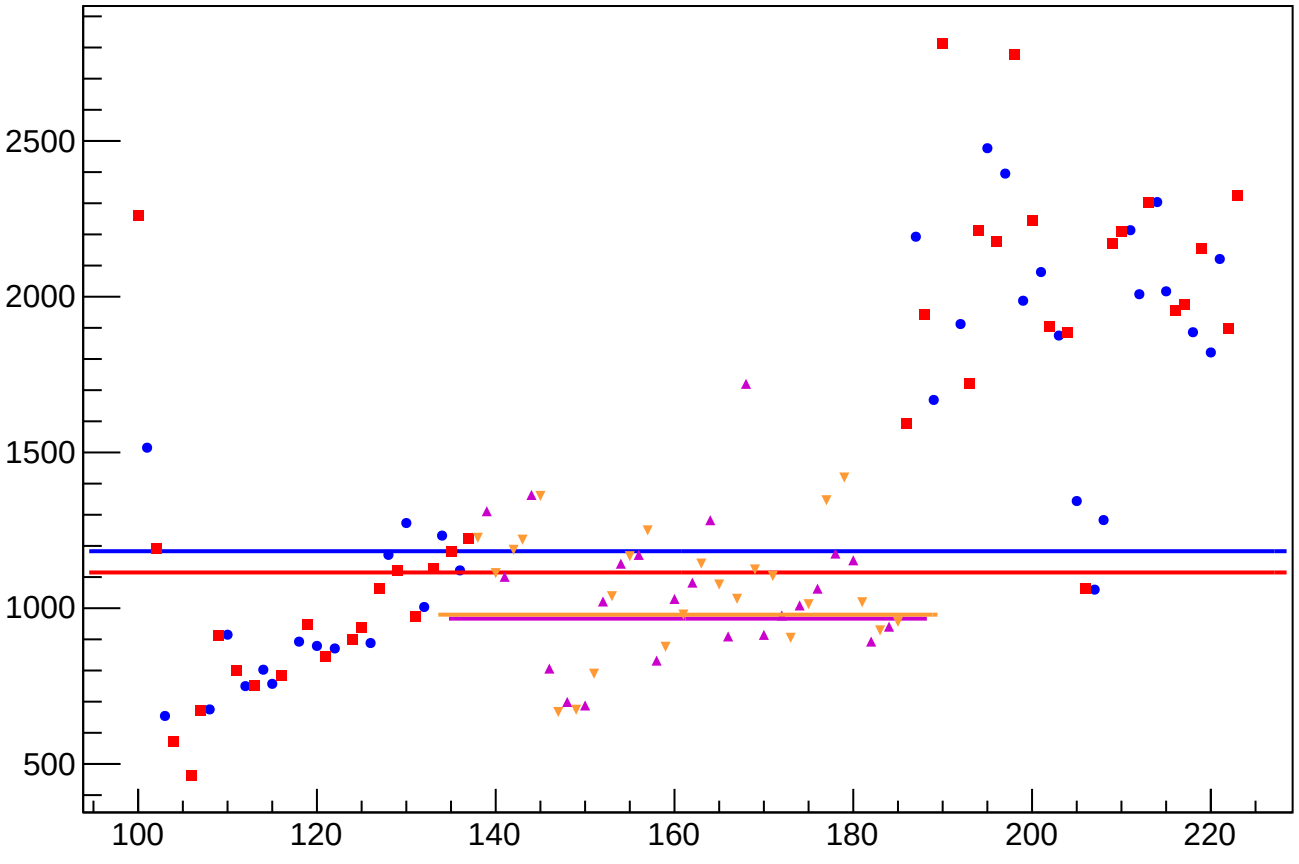
Right Out: 296.910+/-265.518 χ^2/NDF: 44.4/37

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -71.300+/-176.452 χ^2/NDF: 72.4/58

All: 29.628+/-124.133 χ^2/NDF: 131.0/119

\- sign 128.521+/-174.664 χ^2/NDF: 58.0/60



Right In: 1182.997+/-0.196 χ^2/NDF: 6647361.1/33

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1114.761+/-0.188 χ^2/NDF: 9002137.0/37

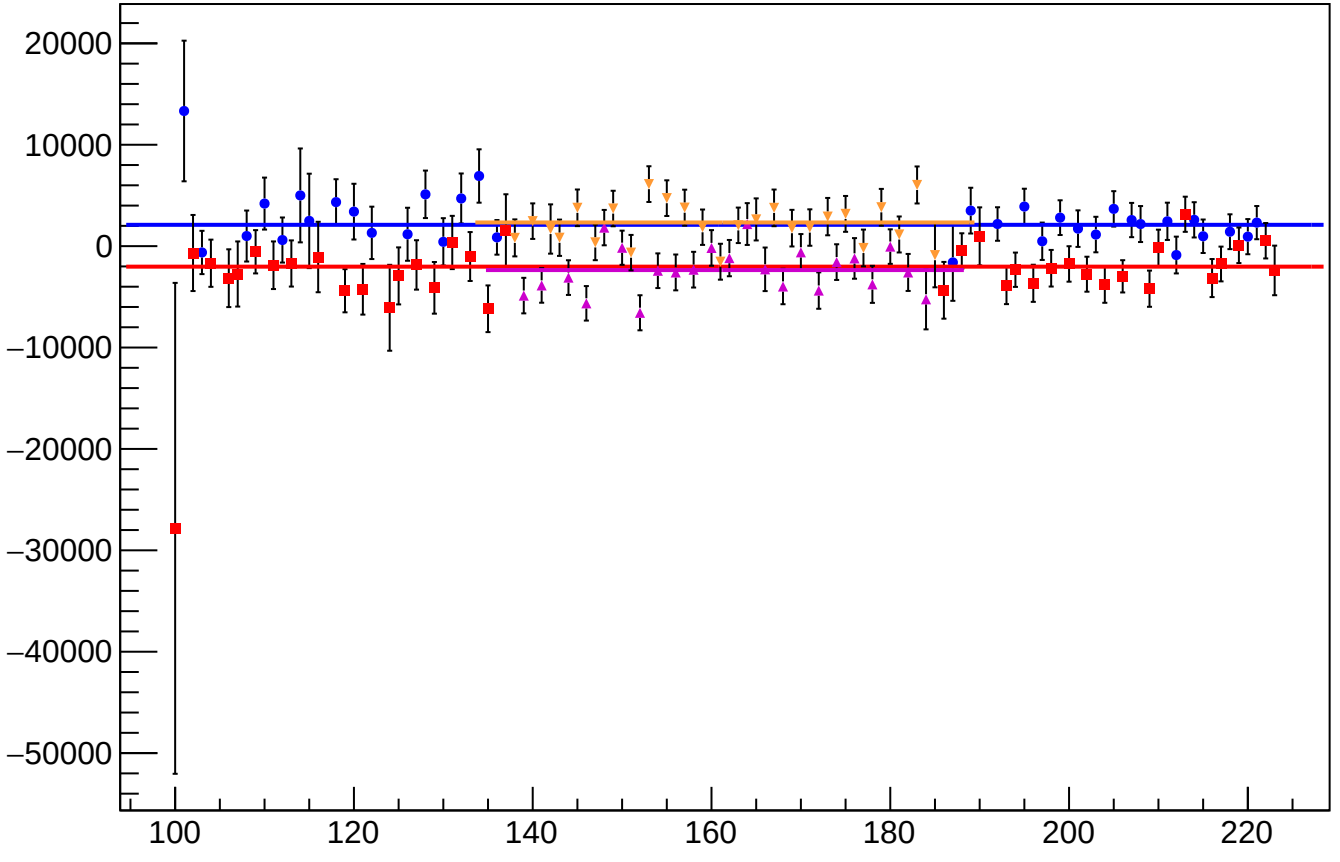
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1062.183+/-0.125 χ^2/NDF: 8921399.4/58

All: 1046.268+/-0.088 χ^2/NDF: 19911897.6/1

- sign 1030.675+/-0.124 χ^2/NDF: 10958289.0/60

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2102.969+/-352.435 χ^2/NDF: 23.0/33

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2022.154+/-348.594 χ^2/NDF: 32.5/37

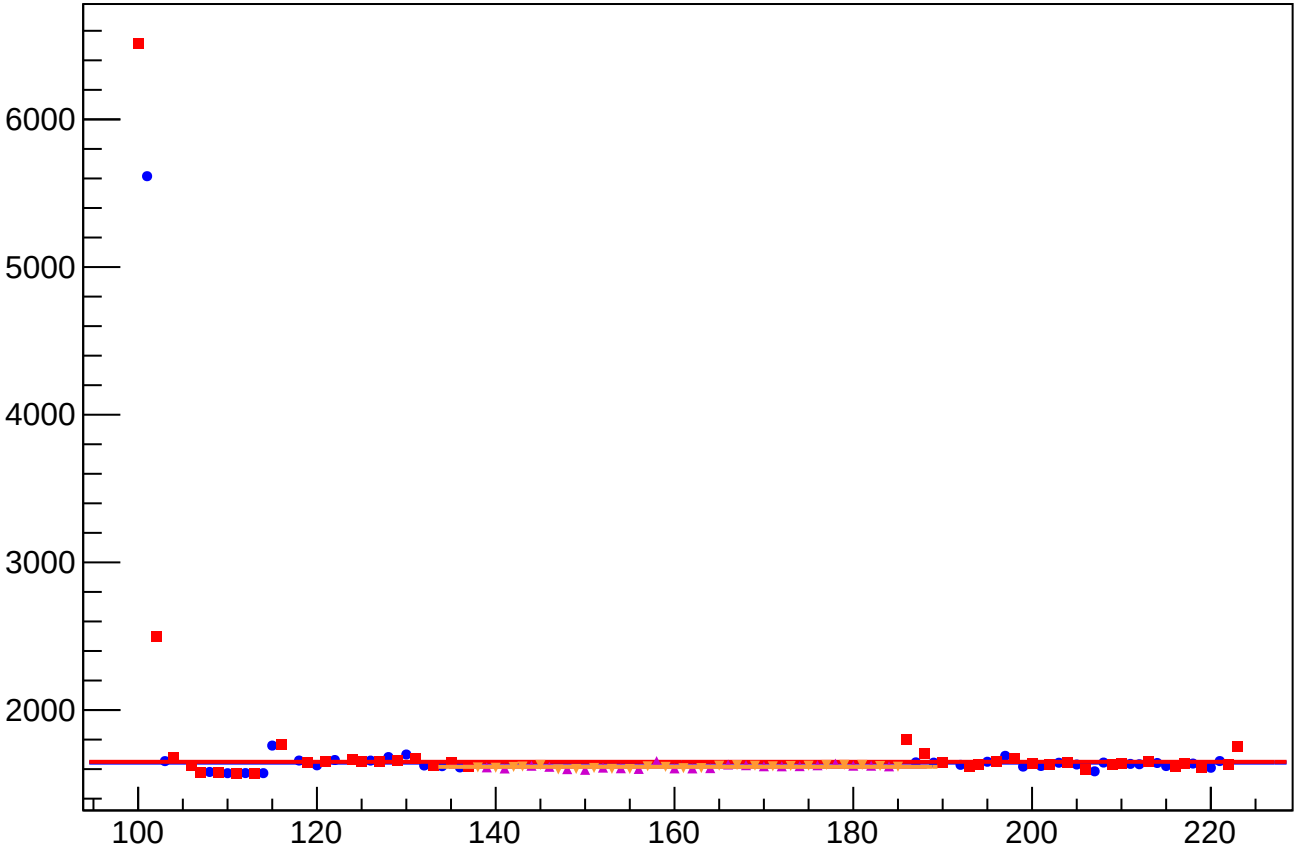
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2214.215+/-254.199 χ^2/NDF: 51.5/58

All: 34.314+/-180.404 χ^2/NDF: 266.6/119

- sign -2177.826+/-256.072 χ^2/NDF: 66.9/60

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.977+/-0.249 χ^2/NDF: 671609.3/33

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

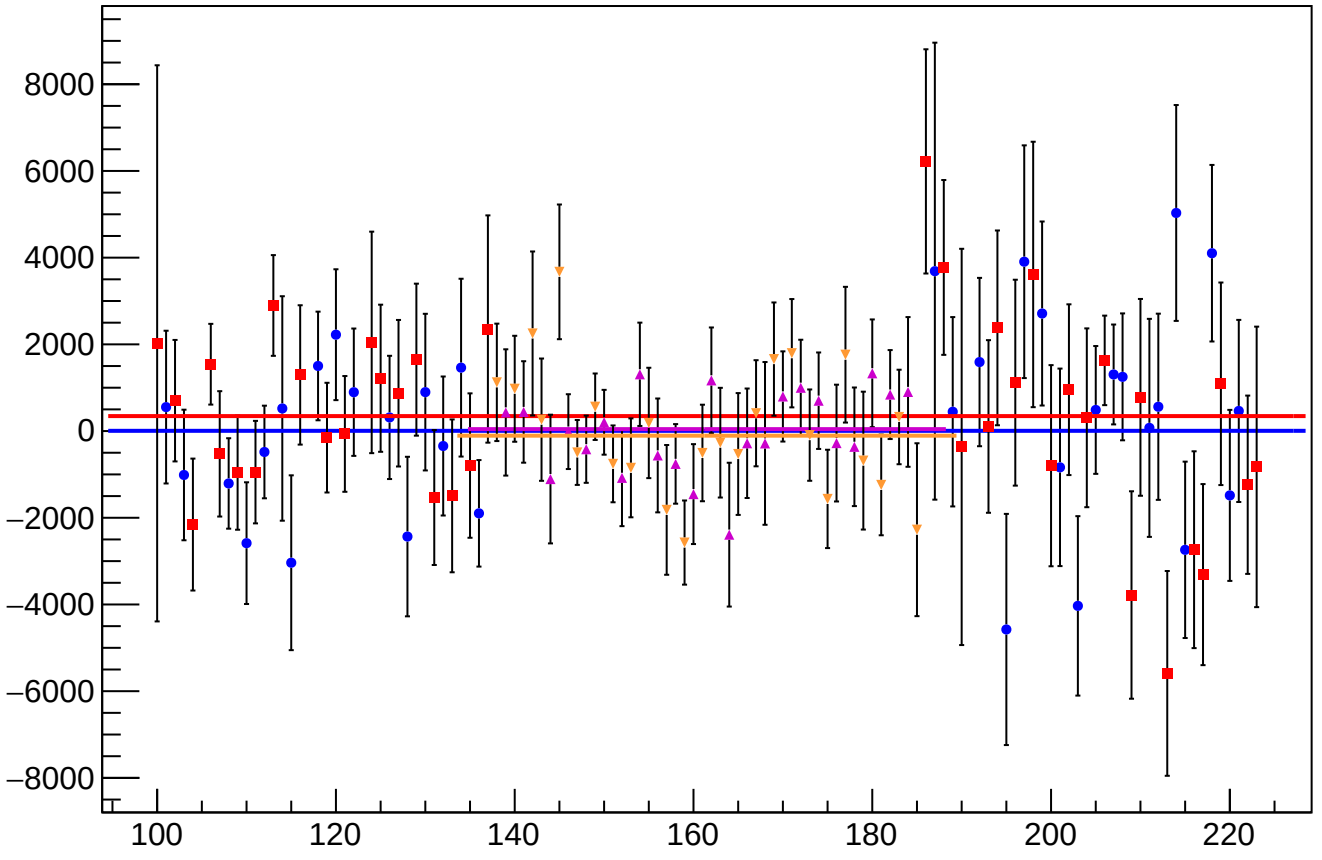
Right Out: 1649.436+/-0.246 χ^2/NDF: 210920.5/37

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.378+/-0.180 χ^2/NDF: 679262.7/58

All: 1632.279+/-0.128 χ^2/NDF: 901255.4/119

- sign 1634.209+/-0.181 χ^2/NDF: 221767.4/60



Right In: 5.564+/-288.569 χ^2/NDF: 41.4/33

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 345.313+/-278.417 χ^2/NDF: 44.5/37

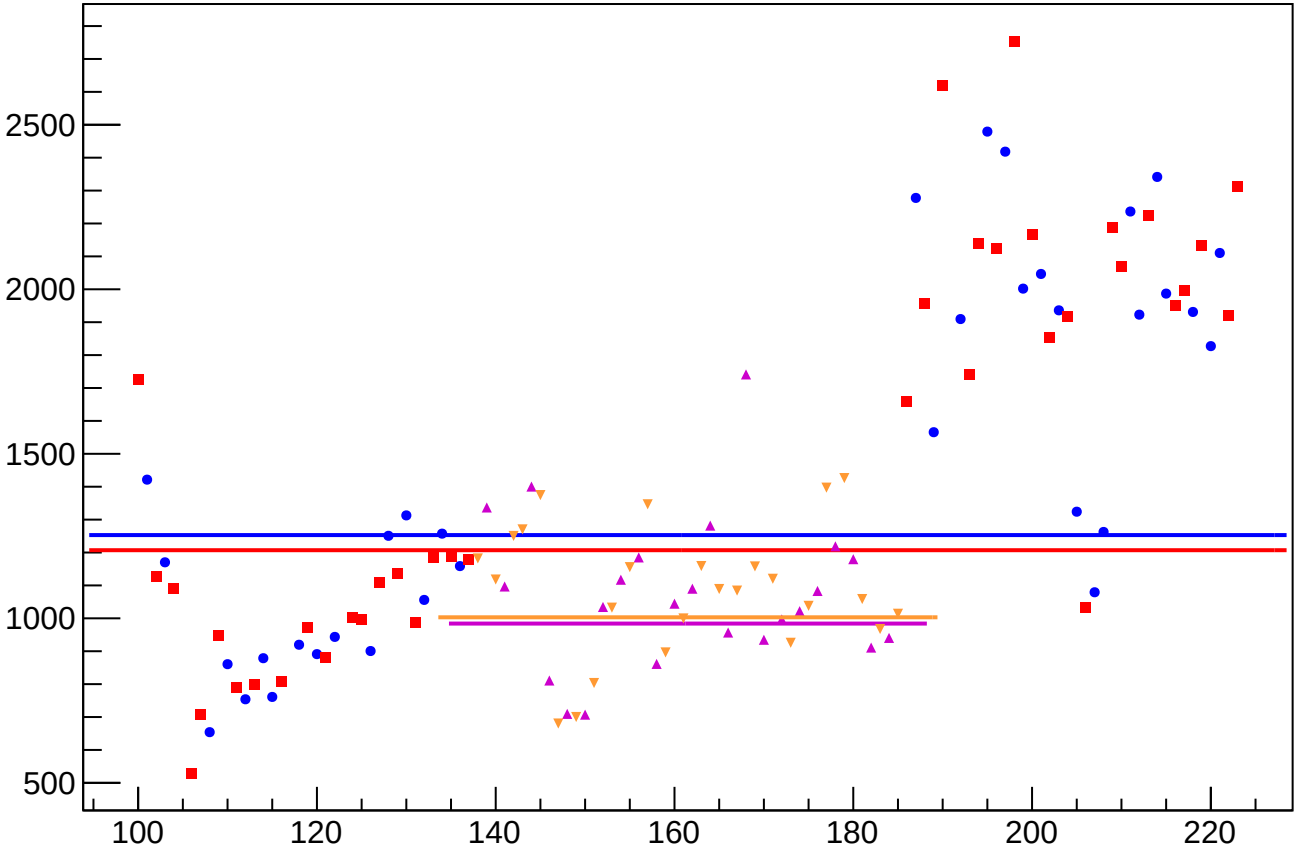
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -61.876+/-181.897 χ^2/NDF: 70.5/58

All: 55.380+/-127.911 χ^2/NDF: 129.3/119

- sign 170.086+/-179.908 χ^2/NDF: 58.0/60

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1253.001+/-0.204 χ^2/NDF: 5722539.7/33

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1207.032+/-0.197 χ^2/NDF: 7275025.7/37

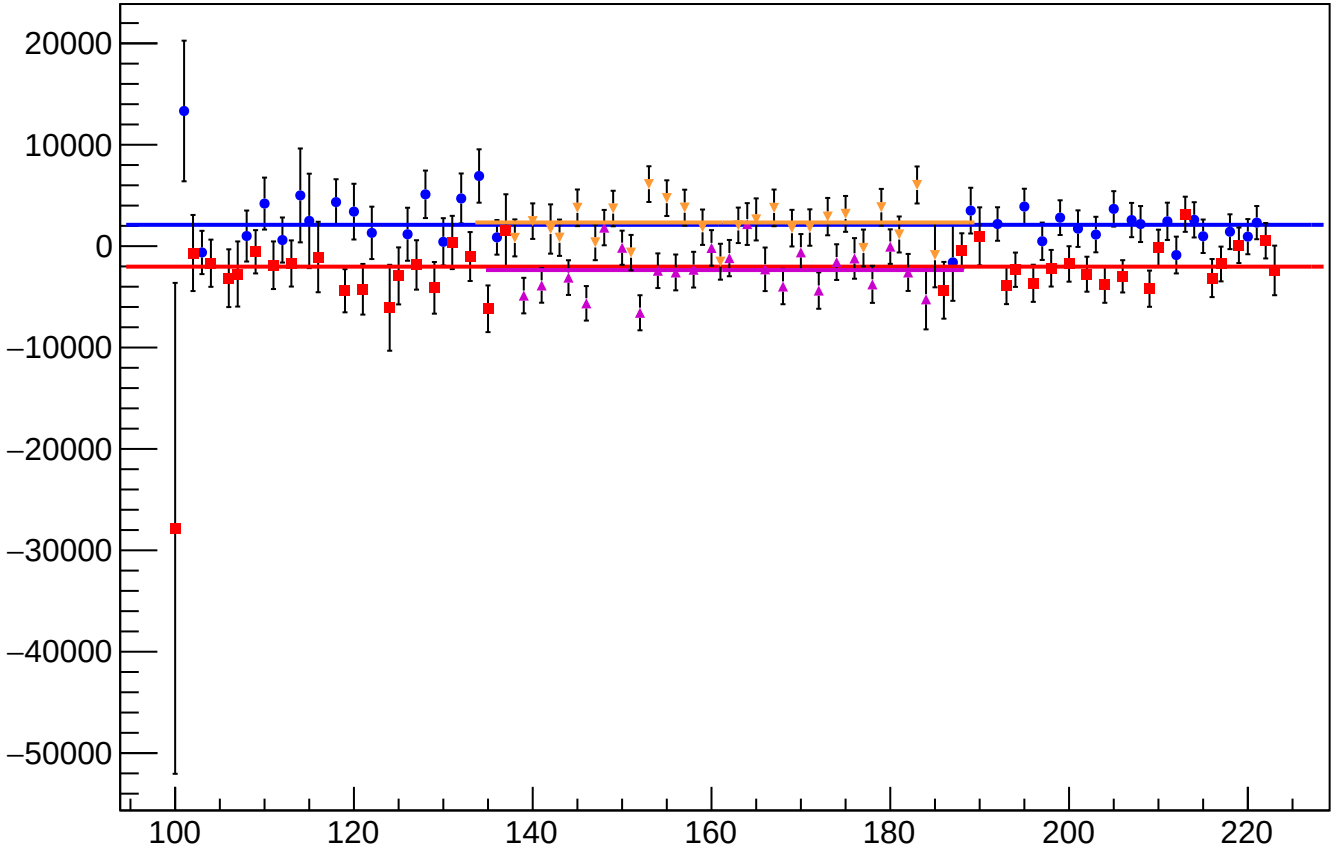
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1102.393+/-0.129 χ^2/NDF: 8224903.3/58

All: 1089.637+/-0.090 χ^2/NDF: 17826126.8/1

- sign 1077.158+/-0.127 χ^2/NDF: 9581765.4/60

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2102.971+/-352.435 χ^2/NDF: 23.0/33

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2022.154+/-348.594 χ^2/NDF: 32.5/37

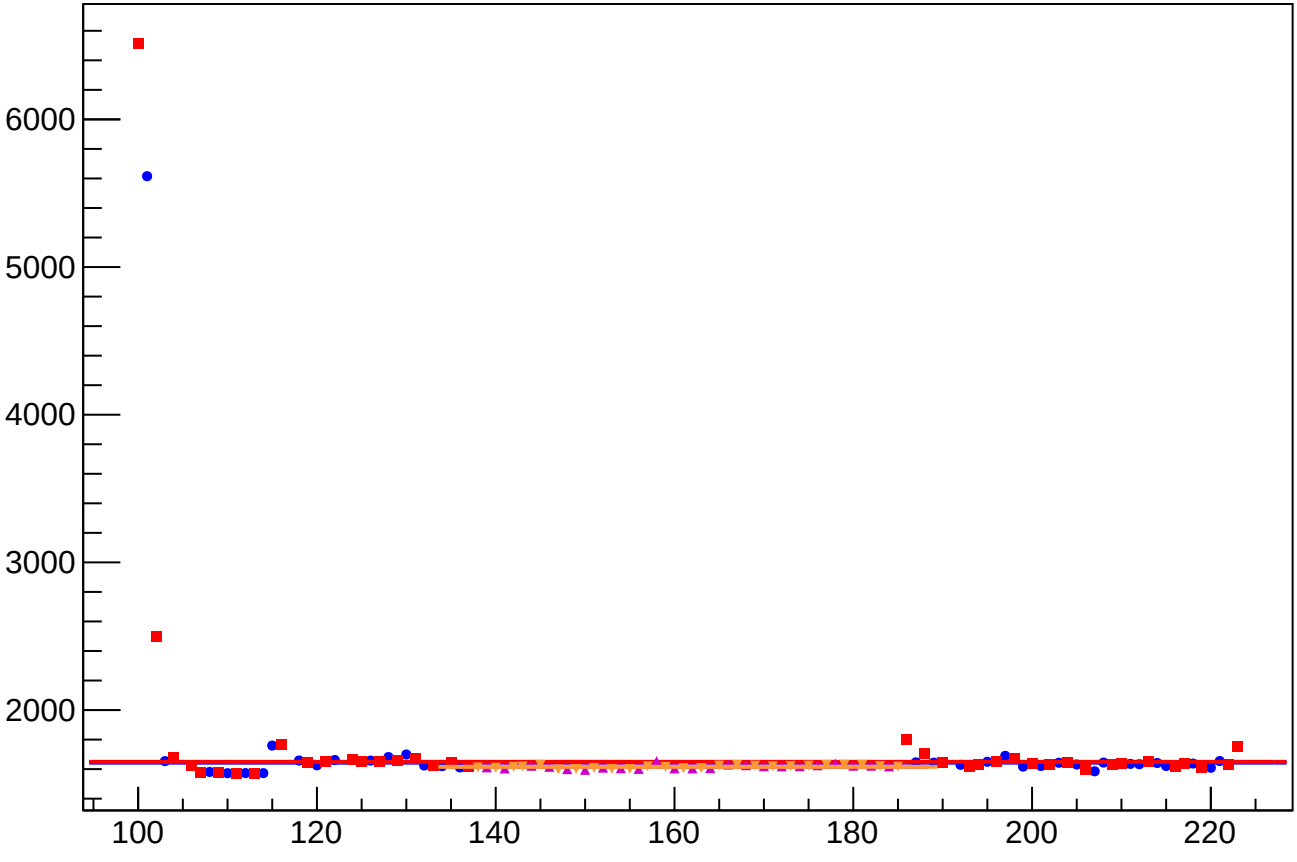
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2214.216+/-254.199 χ^2/NDF: 51.5/58

All: 34.314+/-180.404 χ^2/NDF: 266.6/119

- sign -2177.826+/-256.072 χ^2/NDF: 66.9/60

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.977+/-0.249 χ^2/NDF: 671609.3/33

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

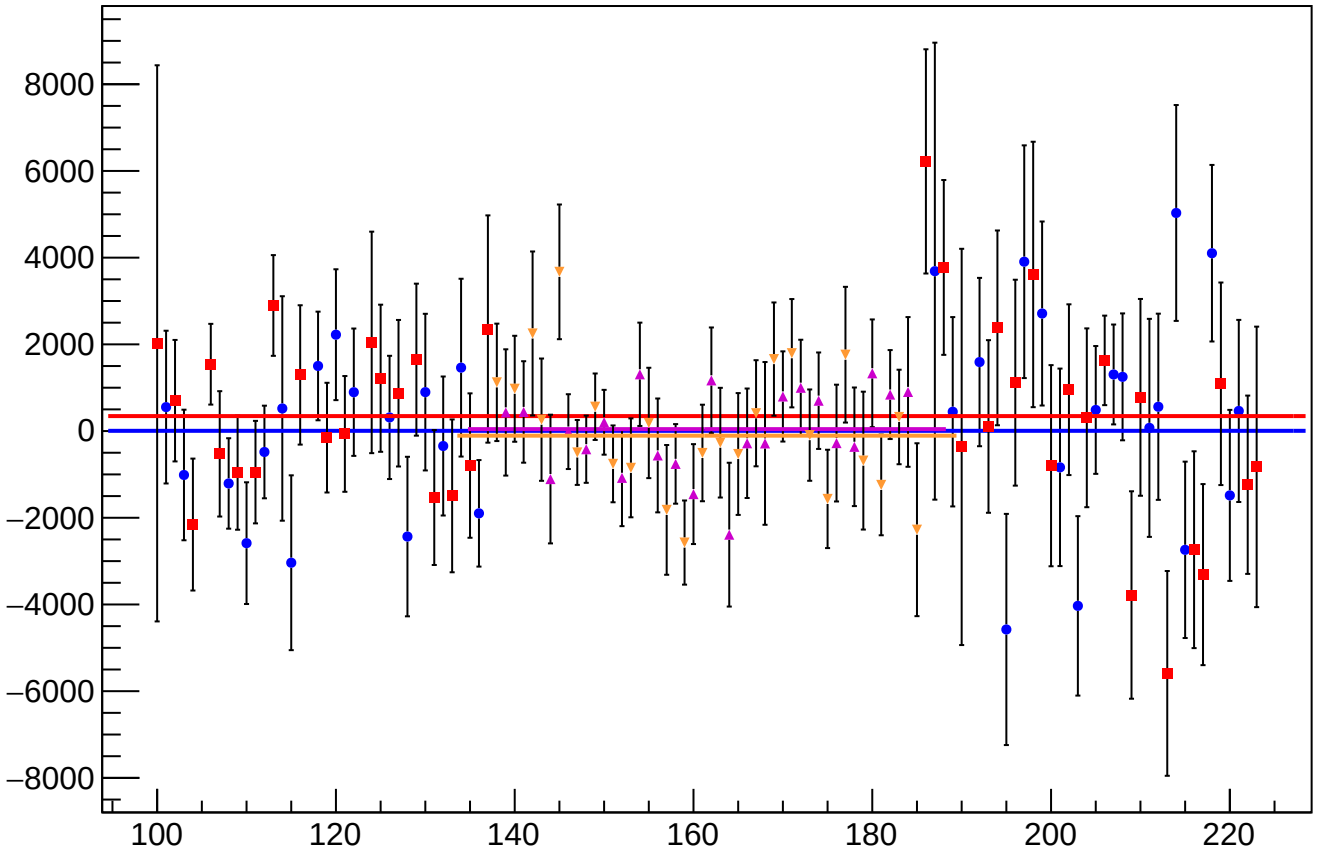
Right Out: 1649.436+/-0.246 χ^2/NDF: 210920.3/37

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.378+/-0.180 χ^2/NDF: 679262.6/58

All: 1632.279+/-0.128 χ^2/NDF: 901255.2/119

- sign 1634.208+/-0.181 χ^2/NDF: 221767.2/60



Right In: 5.563+/-288.569 χ^2/NDF: 41.4/33

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

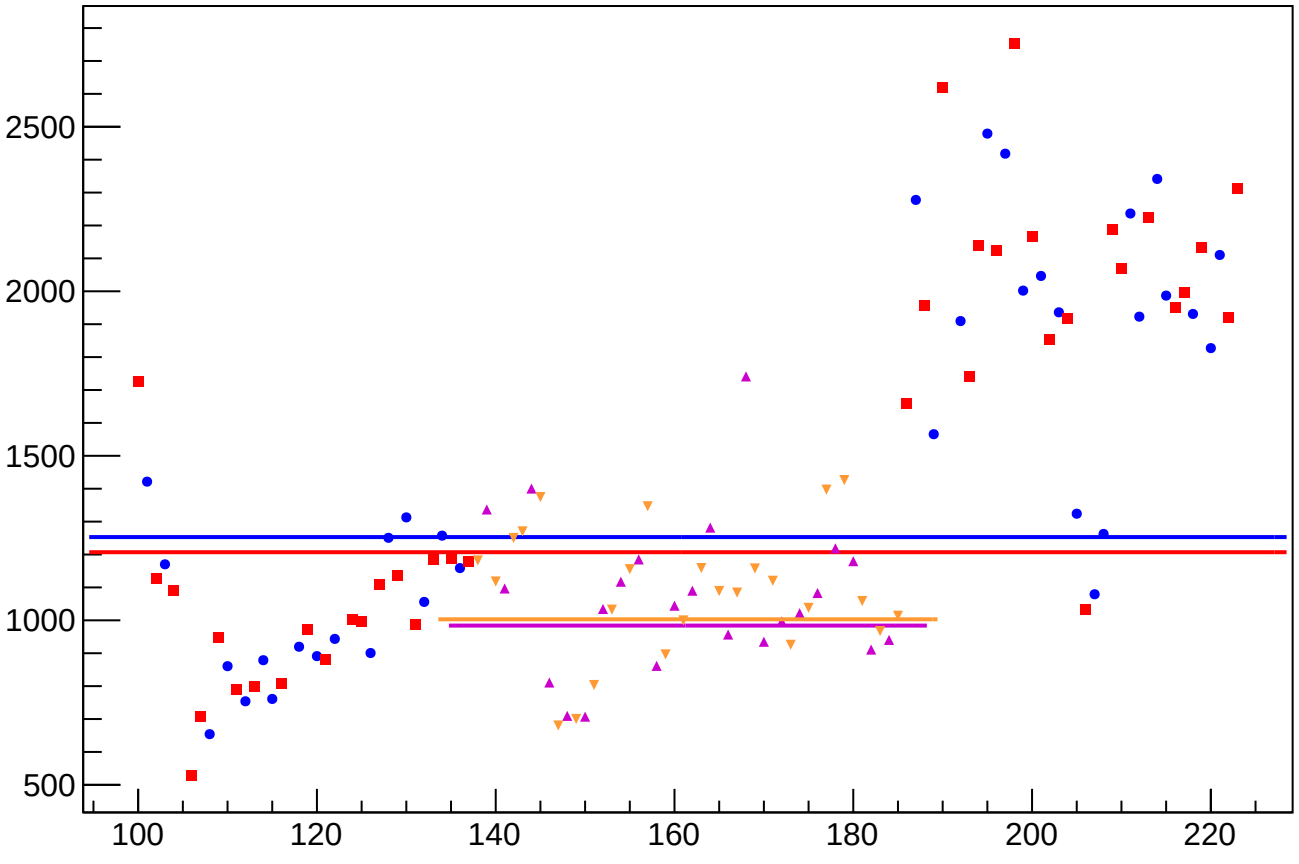
Right Out: 345.312+/-278.416 χ^2/NDF: 44.5/37

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -61.878+/-181.897 χ^2/NDF: 70.5/58

All: 55.379+/-127.911 χ^2/NDF: 129.3/119

- sign 170.086+/-179.908 χ^2/NDF: 58.0/60



Right In: 1252.998+/-0.204 χ^2/NDF: 5722610.5/33

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1207.029+/-0.197 χ^2/NDF: 7275078.3/37

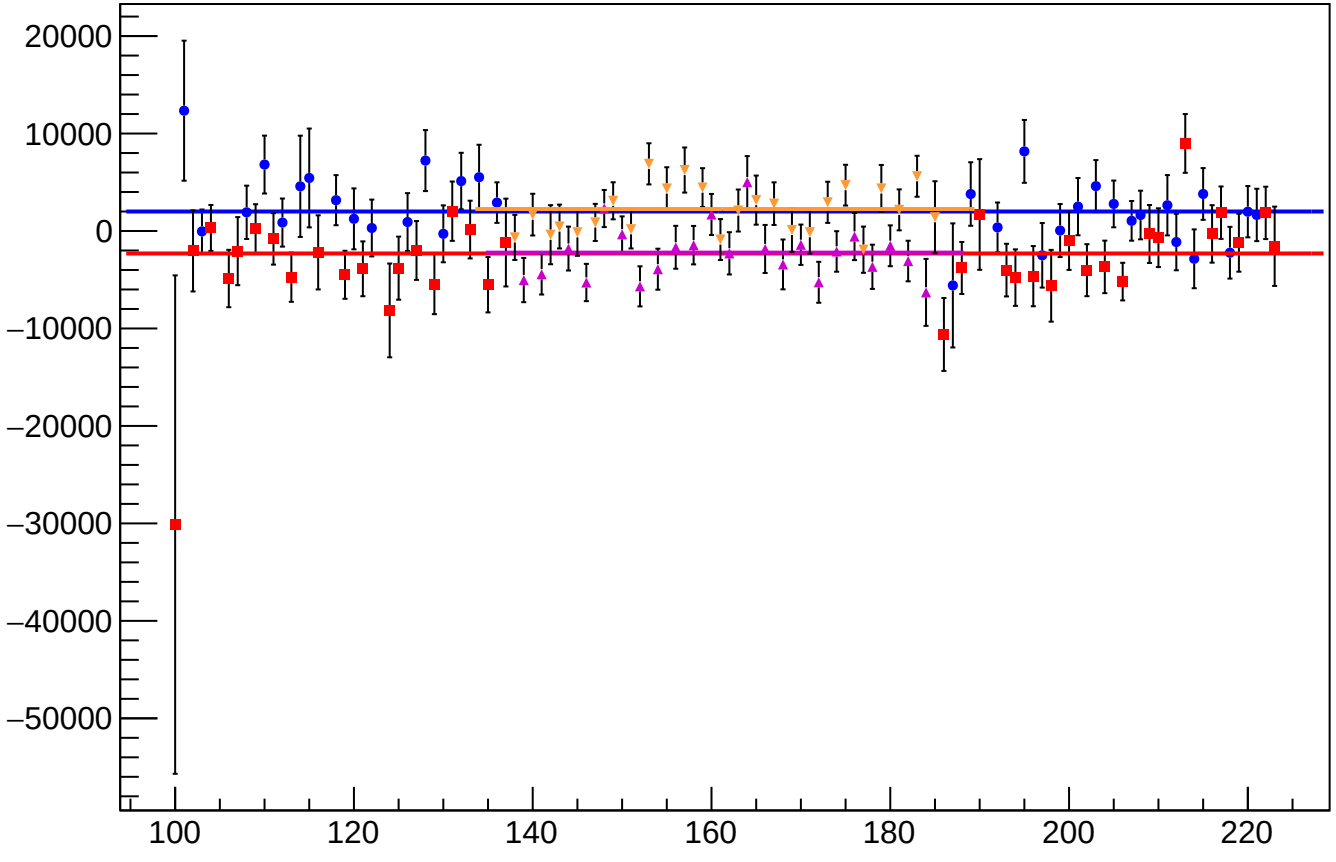
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1102.393+/-0.129 χ^2/NDF: 8224939.4/58

All: 1089.637+/-0.090 χ^2/NDF: 17826187.2/1

- sign 1077.159+/-0.127 χ^2/NDF: 9581789.6/60

asym_usr_atr1_avg_mean vs Slug



Right In: 2000.638+/-489.248 χ^2/NDF: 29.3/33

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2304.607+/-485.638 χ^2/NDF: 44.9/37

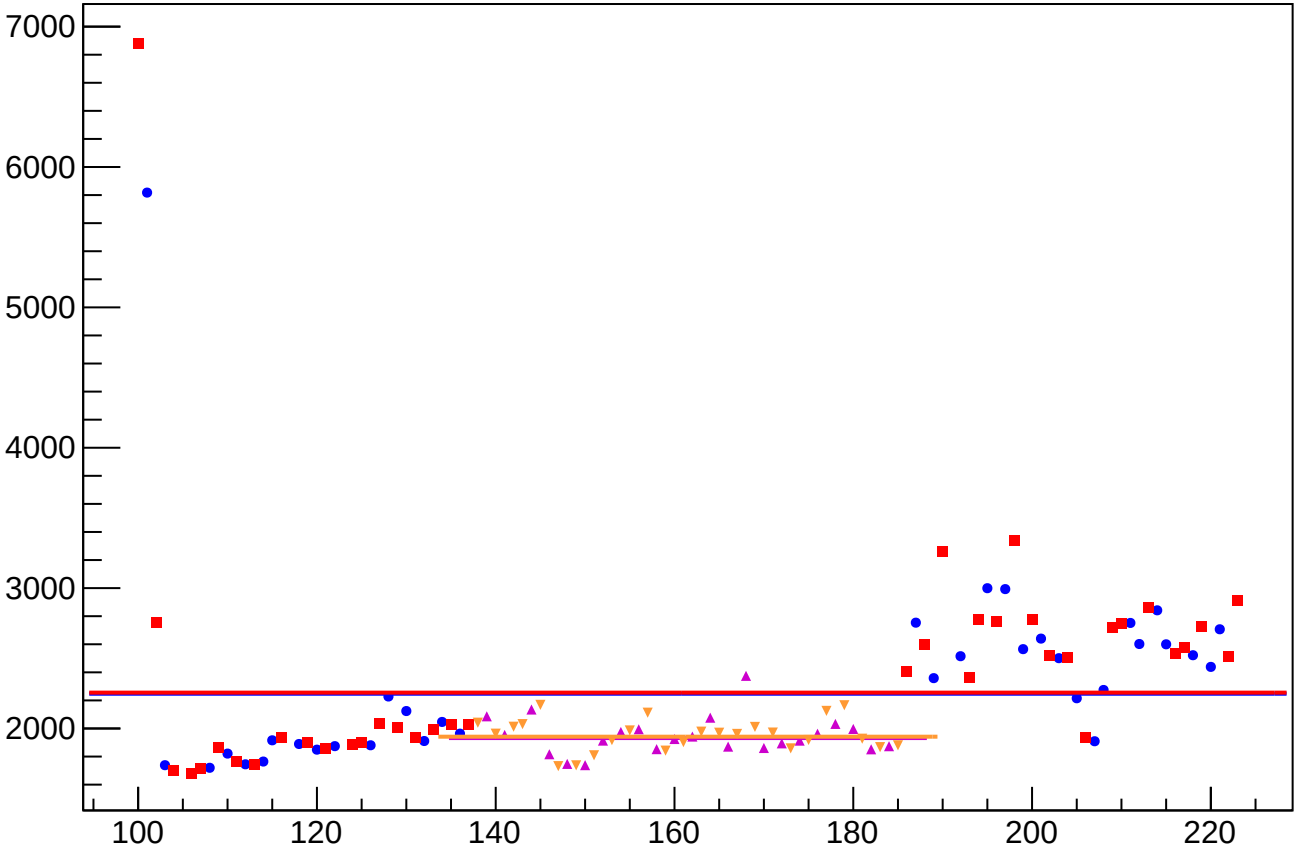
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2139.189+/-328.063 χ^2/NDF: 57.8/58

All: -40.444+/-232.999 χ^2/NDF: 223.3/119

- sign -2258.978+/-330.978 χ^2/NDF: 76.5/60

asym_usr_atr1_avg_rms vs Slug



Right In: 2247.646+/-0.346 χ^2/NDF: 1701642.2/33

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

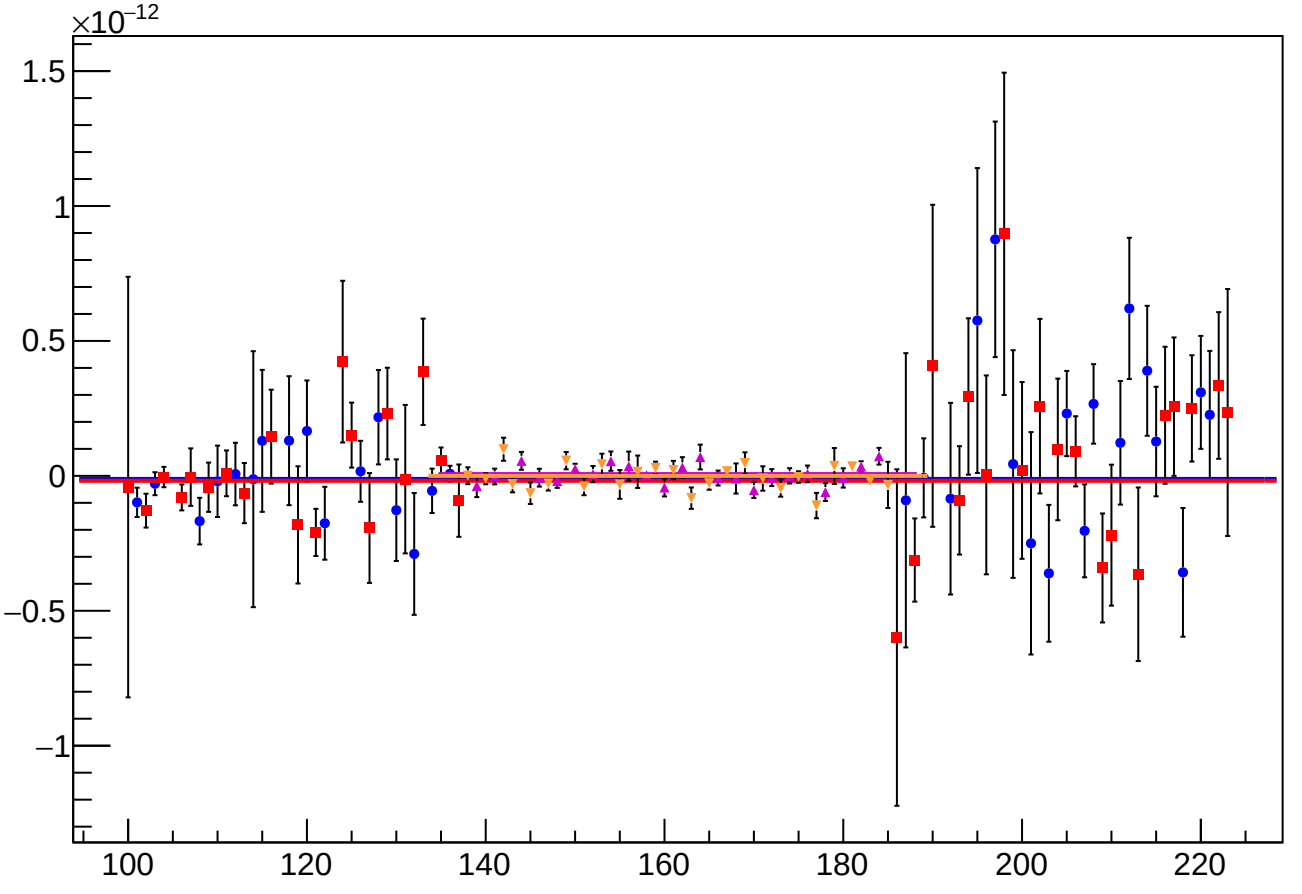
Right Out: 2255.444+/-0.343 χ^2/NDF: 1640287.5/37

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2079.199+/-0.232 χ^2/NDF: 2271424.4/58

All: 2080.654+/-0.165 χ^2/NDF: 4547309.6/11

- sign 2082.135+/-0.234 χ^2/NDF: 2275805.9/60



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

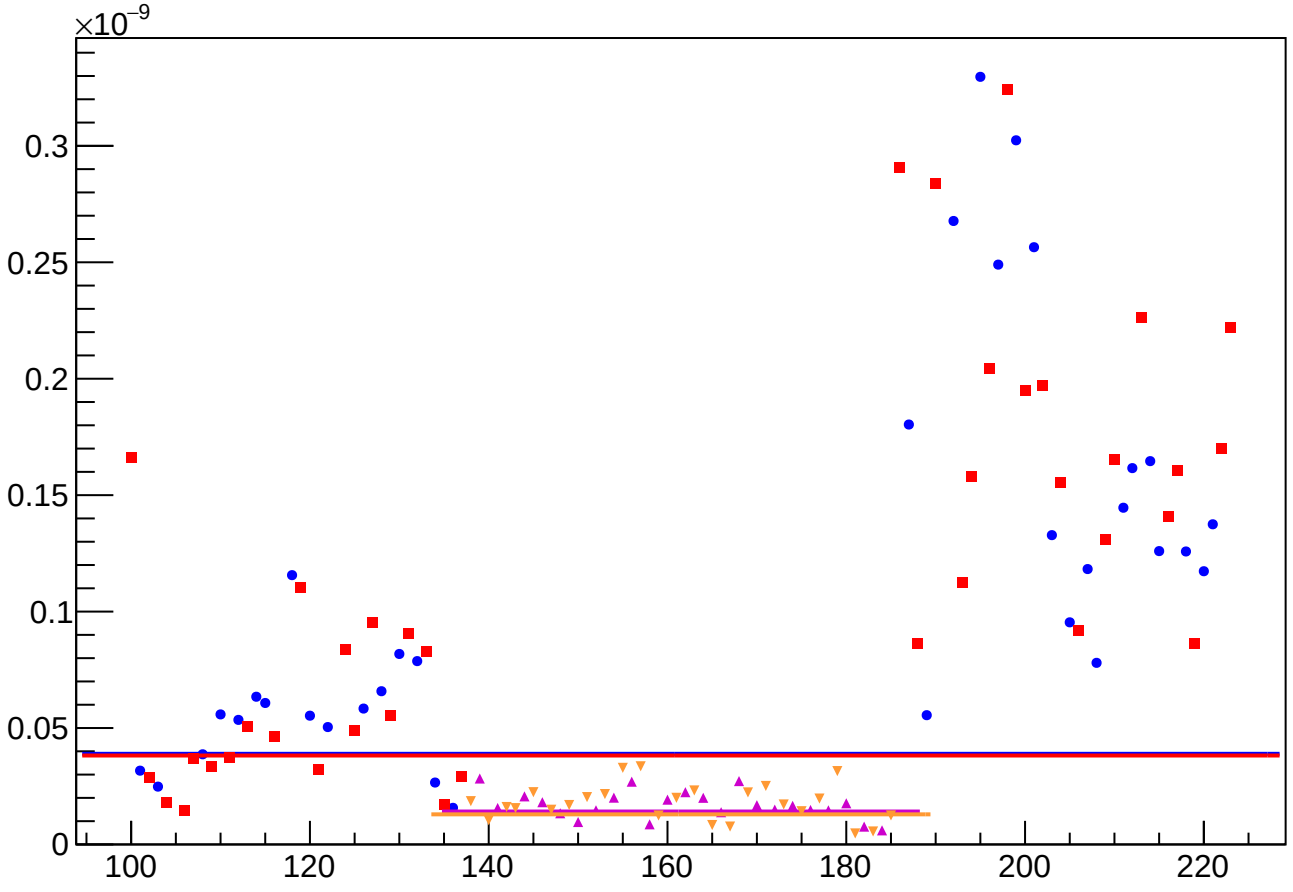
Right Out: -0.000+/-0.000 χ^2/NDF: 46.0/37

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.7/58

All: 0.000+/-0.000 χ^2/NDF: 159.2/119

- sign 0.000+/-0.000 χ^2/NDF: 75.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 9203323.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9517209.9/37

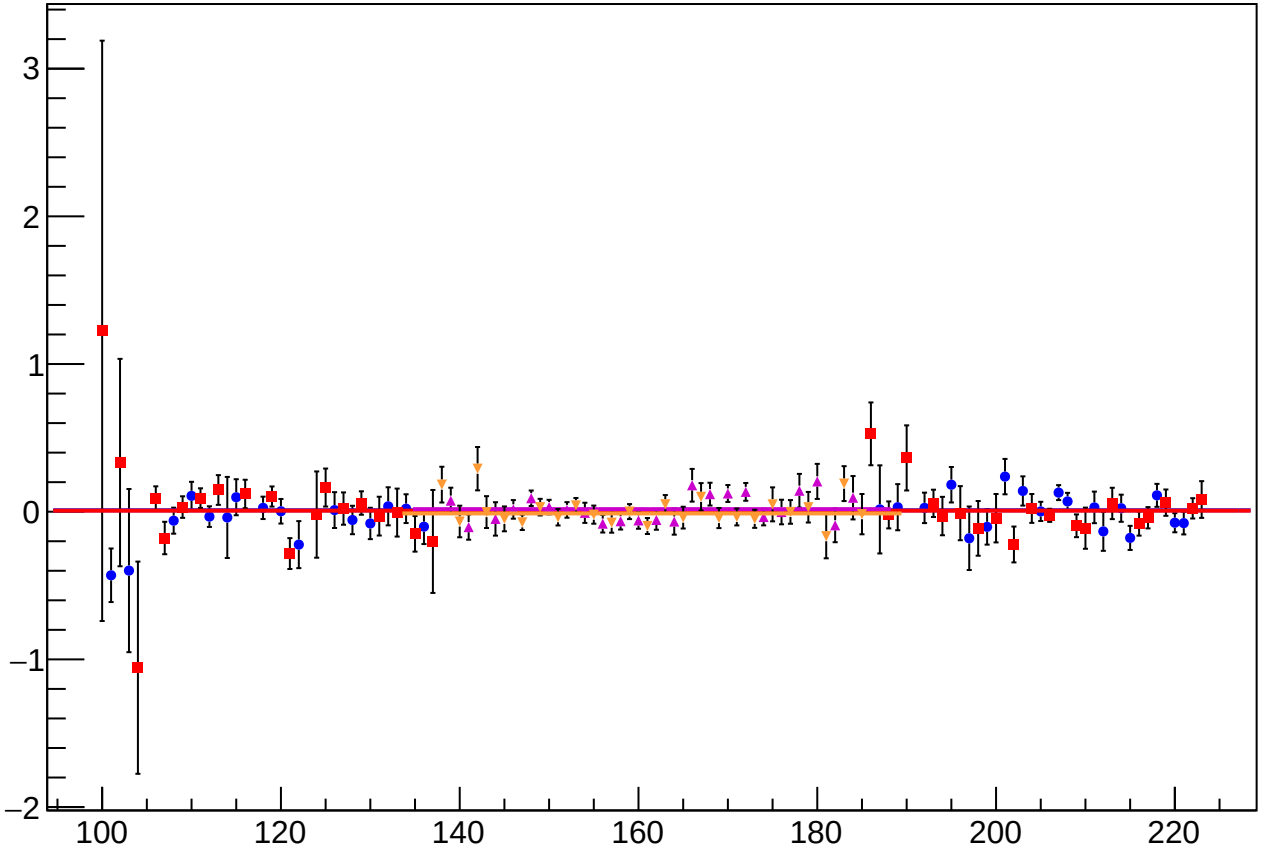
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15804262.6/58

All: 0.000+/-0.000 χ^2/NDF: 29996195.0/119

- sign 0.000+/-0.000 χ^2/NDF: 14140235.2/60

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.007+/-0.016 χ^2/NDF: 44.3/37

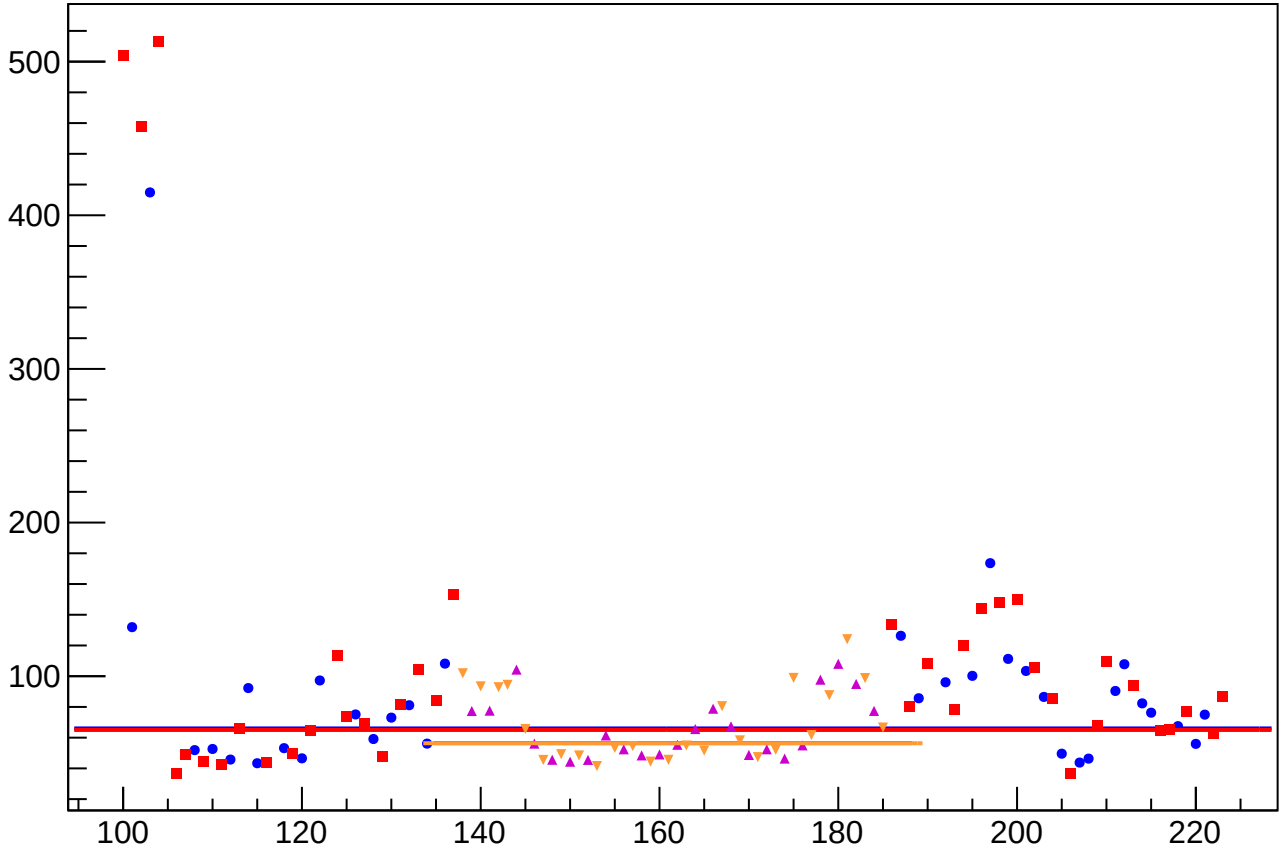
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 63.1/58

All: 0.005+/-0.008 χ^2/NDF: 139.2/119

- sign 0.013+/-0.011 χ^2/NDF: 75.1/60

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 65.999+/-0.011 χ^2/NDF: 4715545.5/33

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

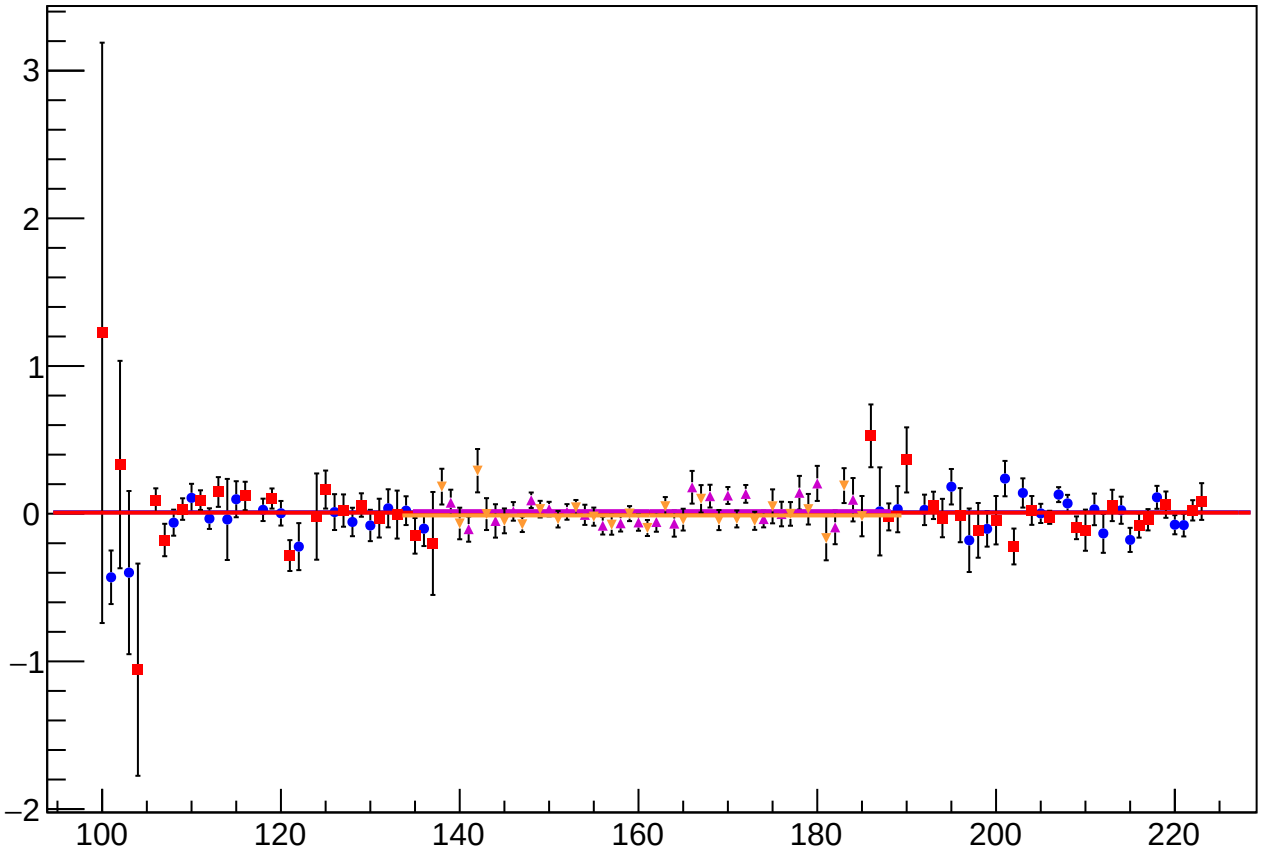
Right Out: 65.024+/-0.011 χ^2/NDF: 6509101.2/37

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

\+ sign 60.593+/-0.008 χ^2/NDF: 7909168.3/58

All: 60.435+/-0.005 χ^2/NDF: 16869831.4/119

\- sign 60.276+/-0.008 χ^2/NDF: 8959791.8/60



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

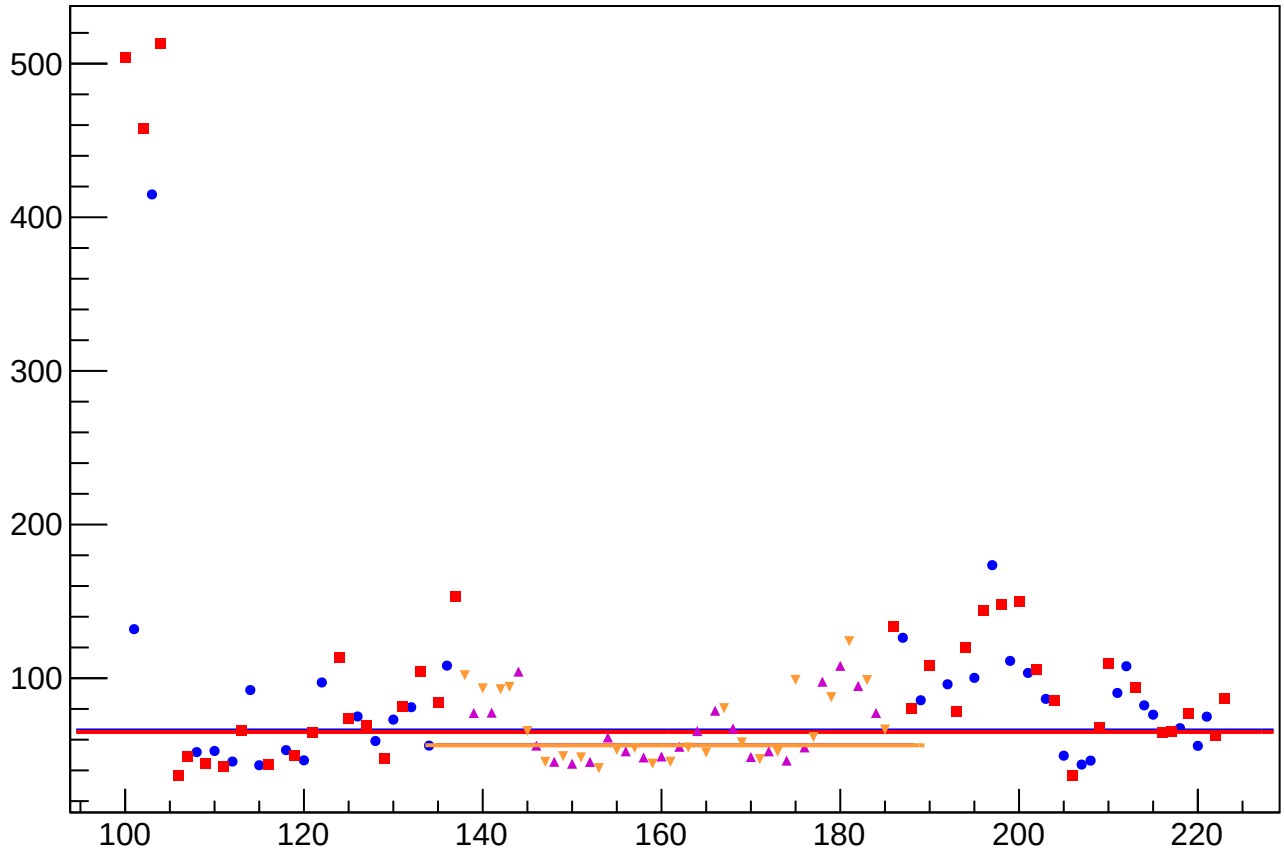
Right Out: 0.007+/-0.016 χ^2/NDF: 44.3/37

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 63.1/58

All: 0.005+/-0.008 χ^2/NDF: 139.2/119

- sign 0.013+/-0.011 χ^2/NDF: 75.1/60



Right In: 65.999+/-0.011 χ^2/NDF: 4715545.5/33

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

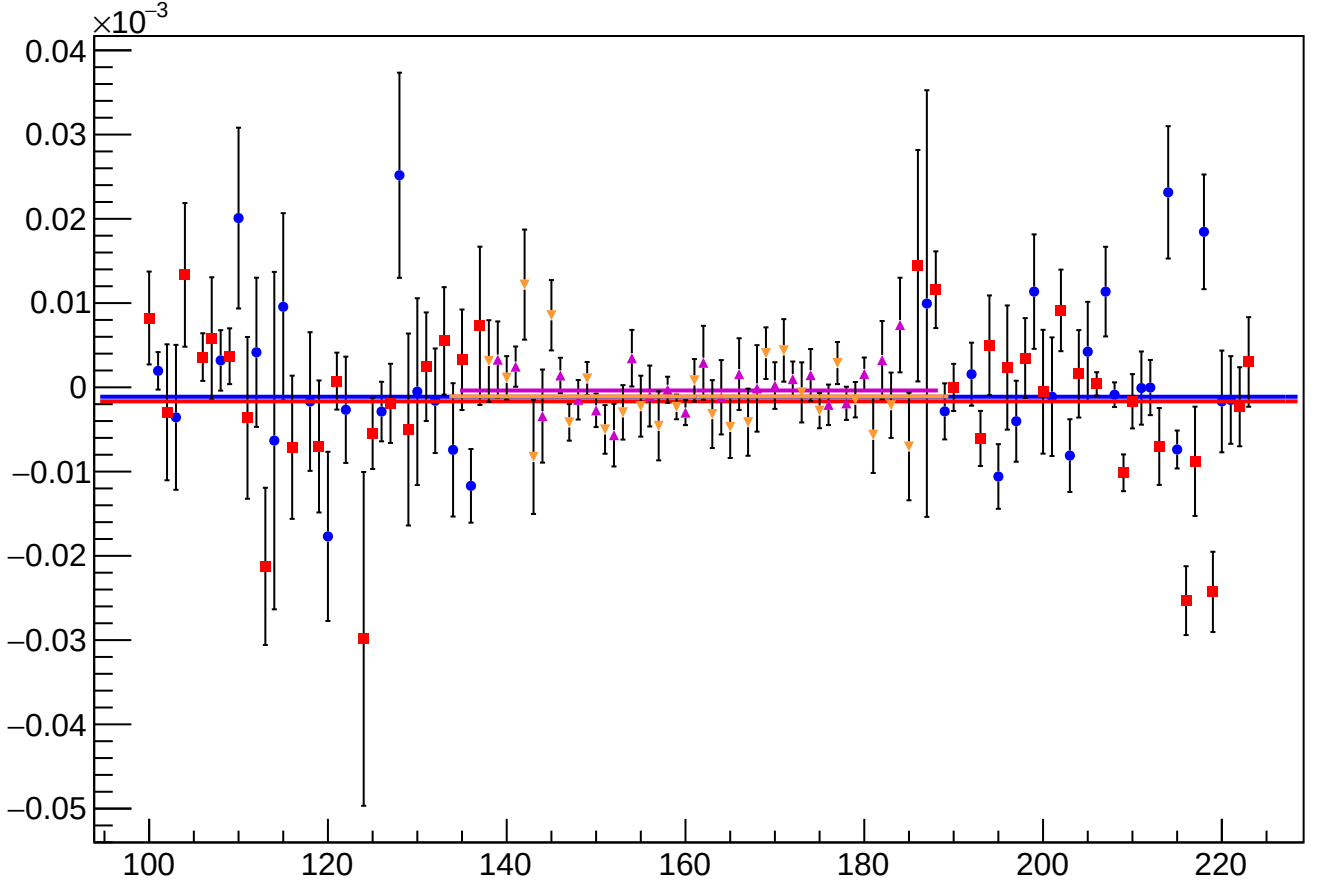
Right Out: 65.024+/-0.011 χ^2/NDF: 6509101.2/37

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.593+/-0.008 χ^2/NDF: 7909168.3/58

All: 60.435+/-0.005 χ^2/NDF: 16869831.4/119

- sign 60.276+/-0.008 χ^2/NDF: 8959791.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 68.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

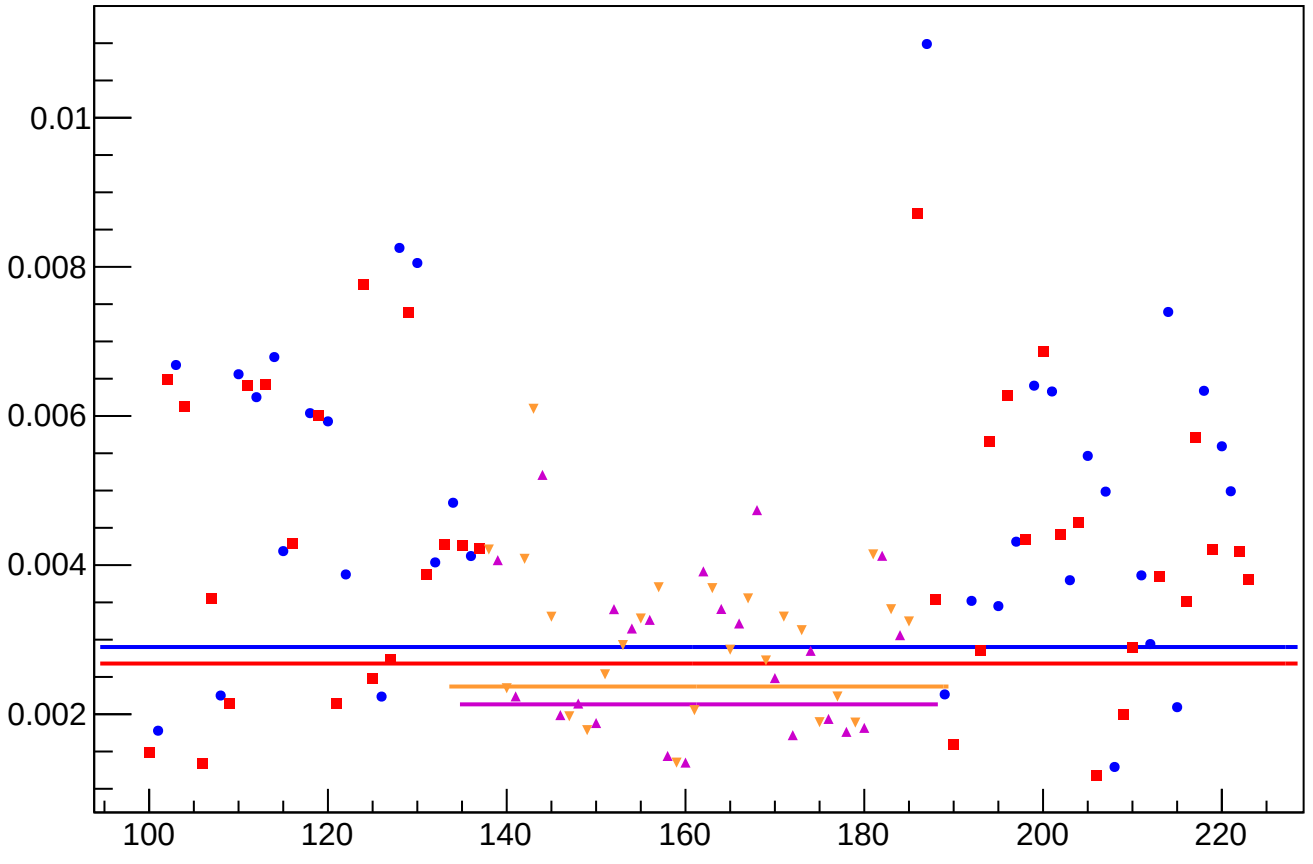
Right Out: -0.000+/-0.000 χ^2/NDF: 122.4/37

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.9/58

All: -0.000+/-0.000 χ^2/NDF: 242.1/119

- sign -0.000+/-0.000 χ^2/NDF: 142.1/60



Right In: 0.003+/-0.000 χ^2/NDF: 10308016.6/33

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

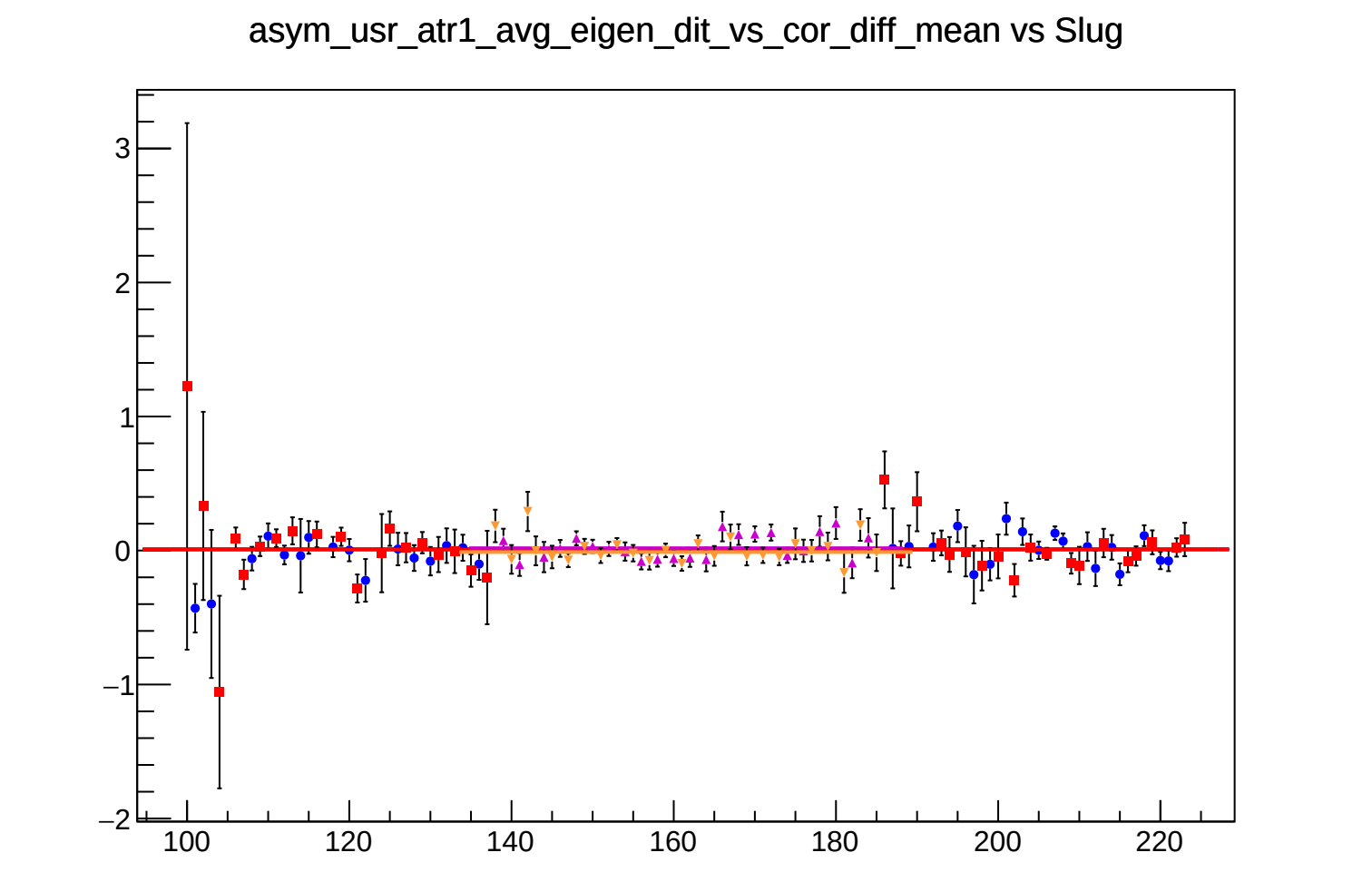
Right Out: 0.003+/-0.000 χ^2/NDF: 10240936.4/37

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 15120819.6/58

All: 0.002+/-0.000 χ^2/NDF: 30974984.1/119

- sign 0.002+/-0.000 χ^2/NDF: 15564813.6/60



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

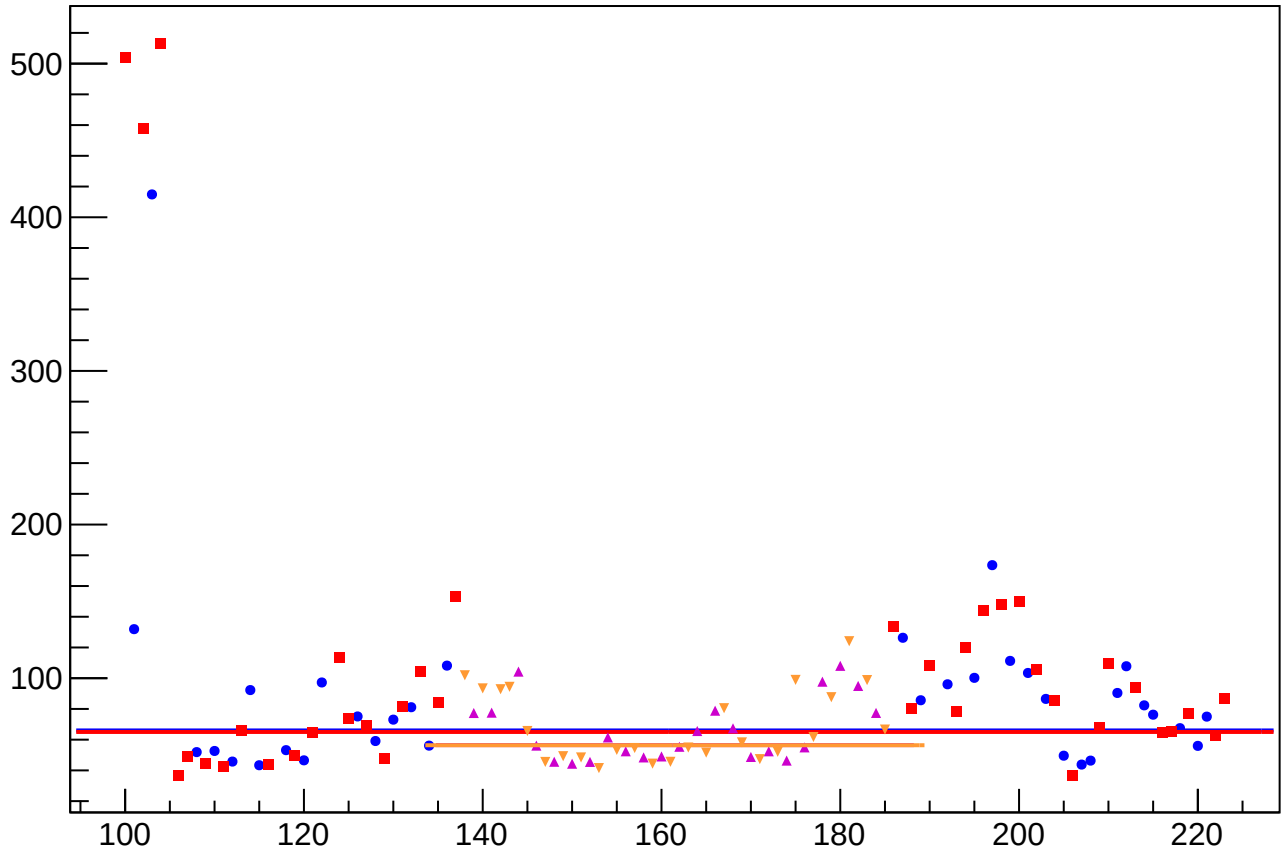
Right Out: 0.007+/-0.016 χ^2/NDF: 44.3/37

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 63.1/58

All: 0.005+/-0.008 χ^2/NDF: 139.2/119

- sign 0.013+/-0.011 χ^2/NDF: 75.1/60



Right In: 65.998+/-0.011 χ^2/NDF: 4715512.0/33

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

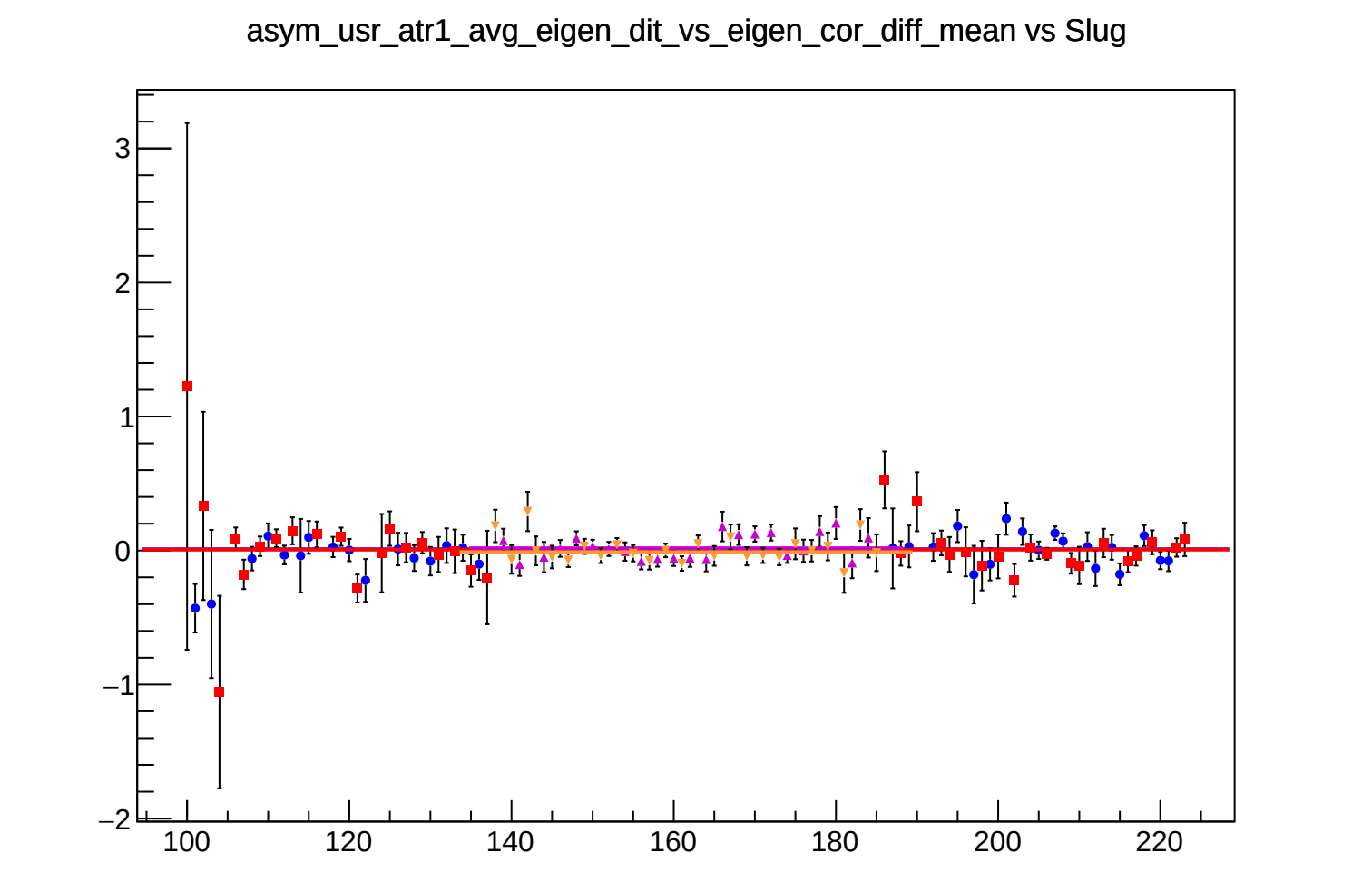
Right Out: 65.023+/-0.011 χ^2/NDF: 6509146.7/37

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.593+/-0.008 χ^2/NDF: 7909166.2/58

All: 60.435+/-0.005 χ^2/NDF: 16869818.6/119

- sign 60.276+/-0.008 χ^2/NDF: 8959780.5/60



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

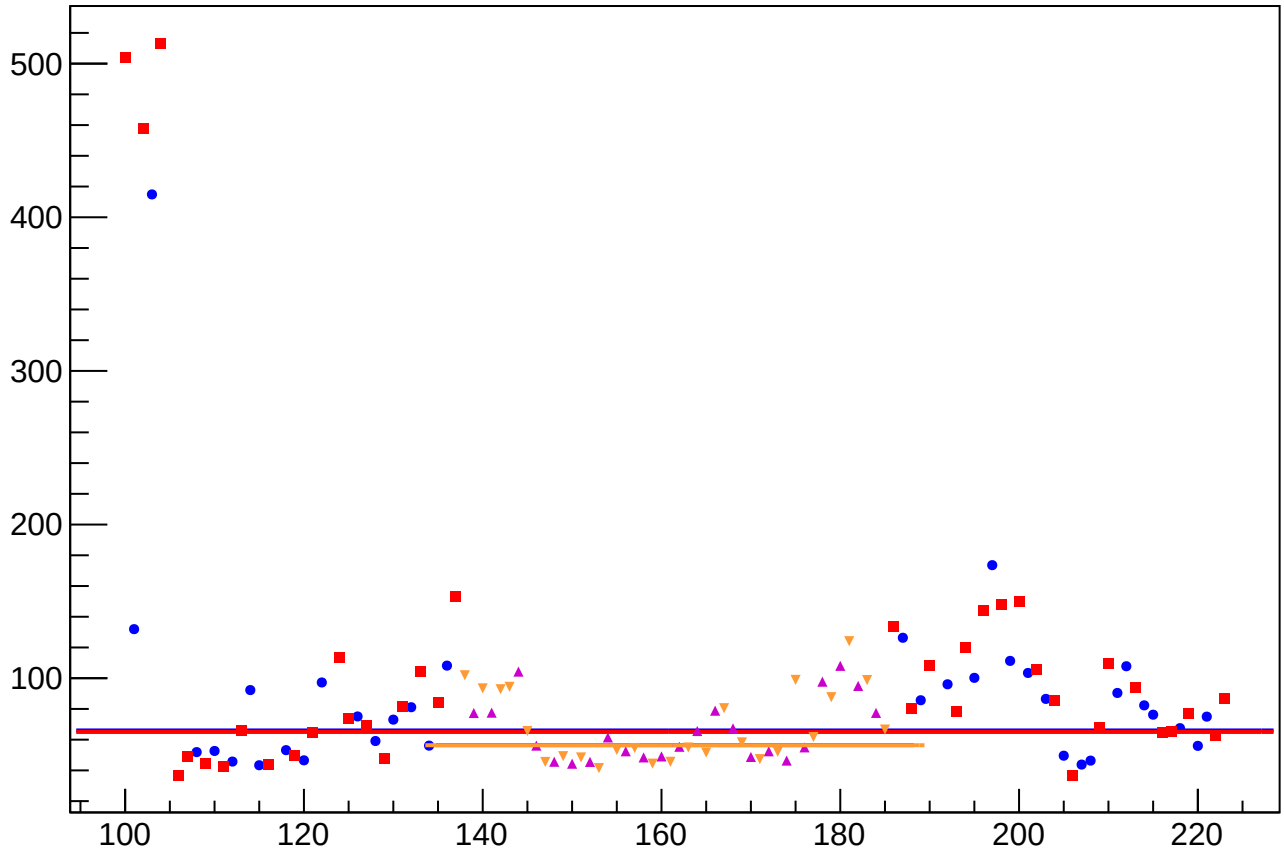
Right Out: 0.007+/-0.016 χ^2/NDF: 44.3/37

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 63.1/58

All: 0.005+/-0.008 χ^2/NDF: 139.2/119

- sign 0.013+/-0.011 χ^2/NDF: 75.1/60



Right In: 65.998+/-0.011 χ^2/NDF: 4715512.0/33

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

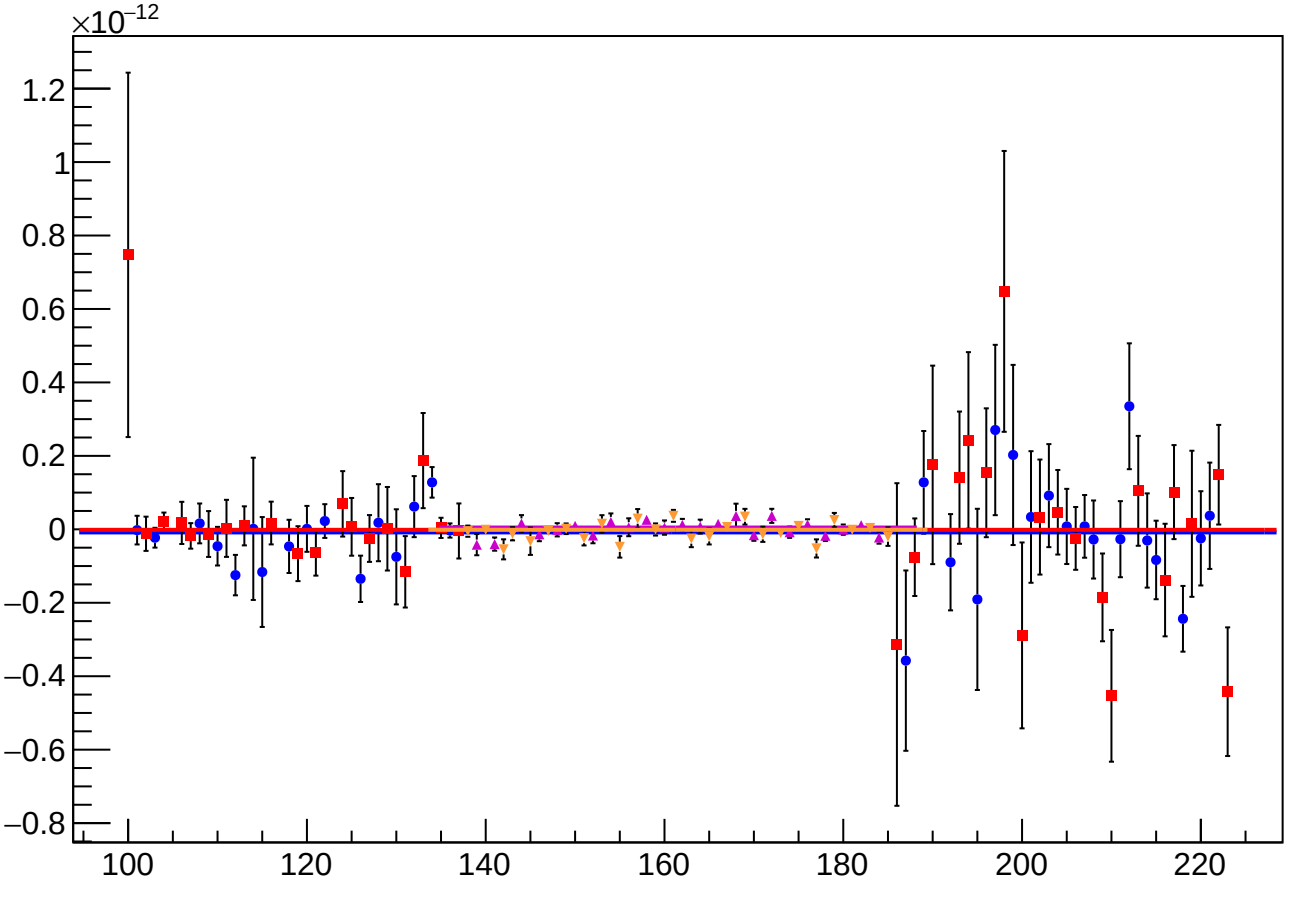
Right Out: 65.023+/-0.011 χ^2/NDF: 6509146.7/37

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.593+/-0.008 χ^2/NDF: 7909166.2/58

All: 60.435+/-0.005 χ^2/NDF: 16869818.6/119

- sign 60.276+/-0.008 χ^2/NDF: 8959780.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

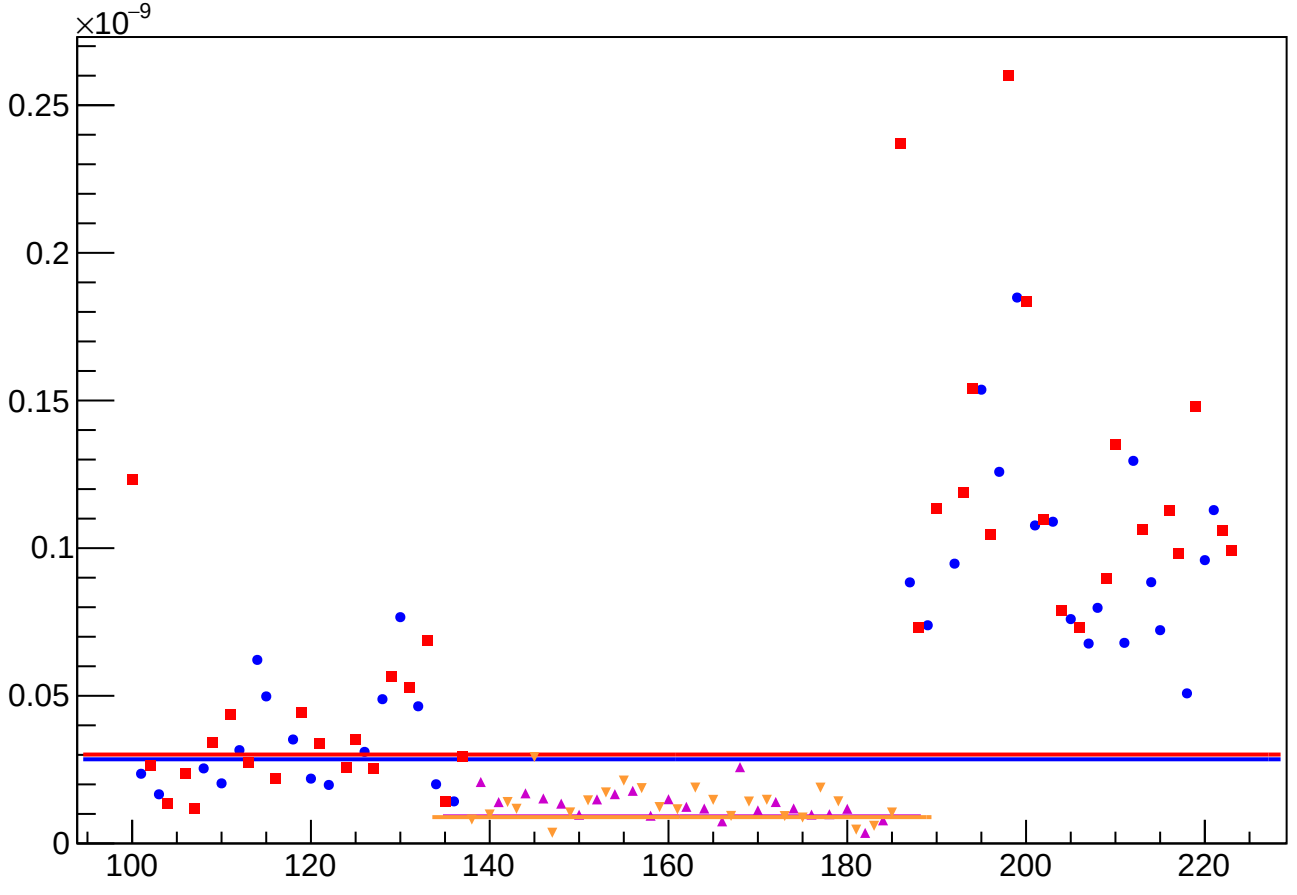
Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/37

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.0/58

All: 0.000+/-0.000 χ^2/NDF: 138.4/119

- sign 0.000+/-0.000 χ^2/NDF: 65.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 10307751.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12538400.1/37

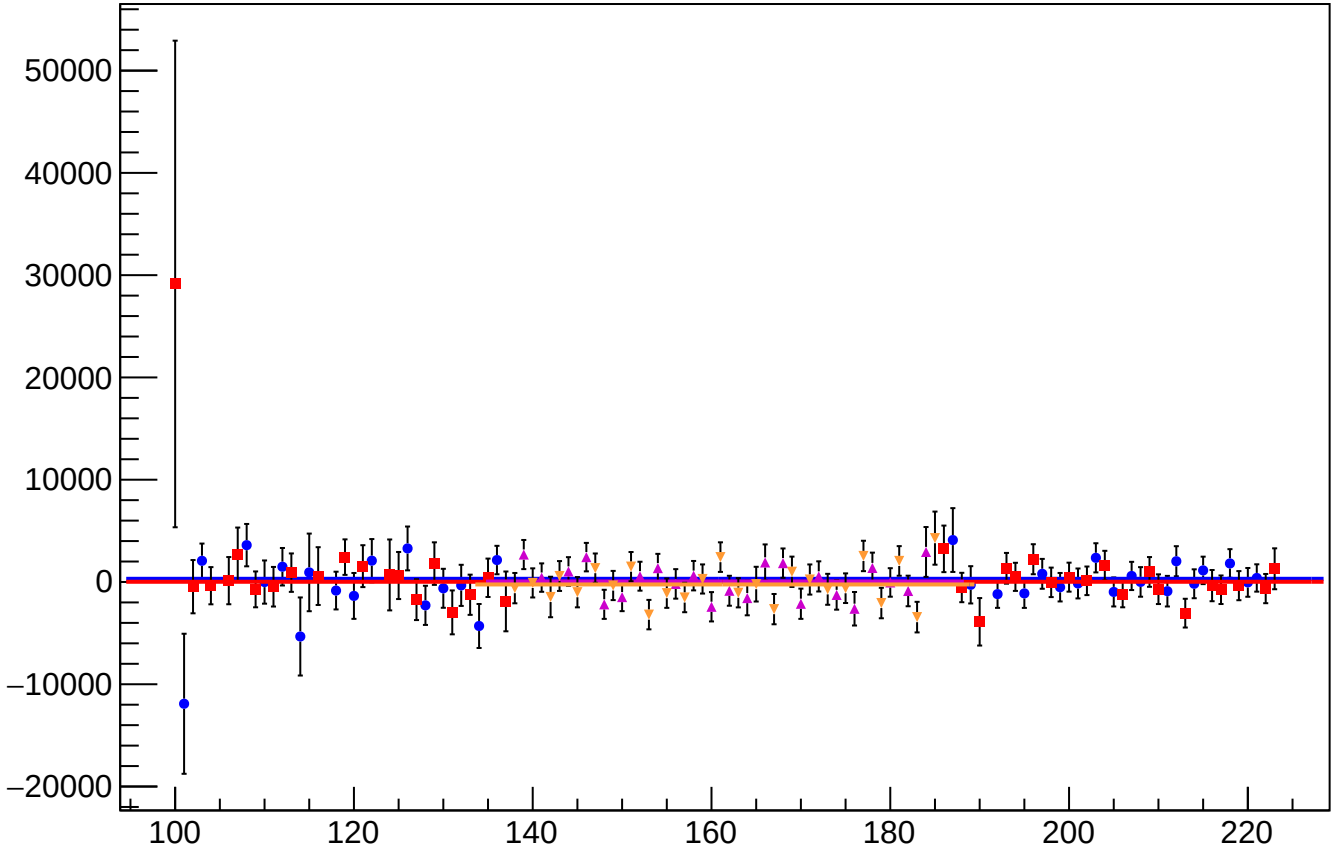
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 21734255.5/58

All: 0.000+/-0.000 χ^2/NDF: 45812349.8/119

- sign 0.000+/-0.000 χ^2/NDF: 24068874.8/60

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 311.047+/-286.647 χ^2/NDF: 32.6/33

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 20.105+/-283.048 χ^2/NDF: 26.9/37

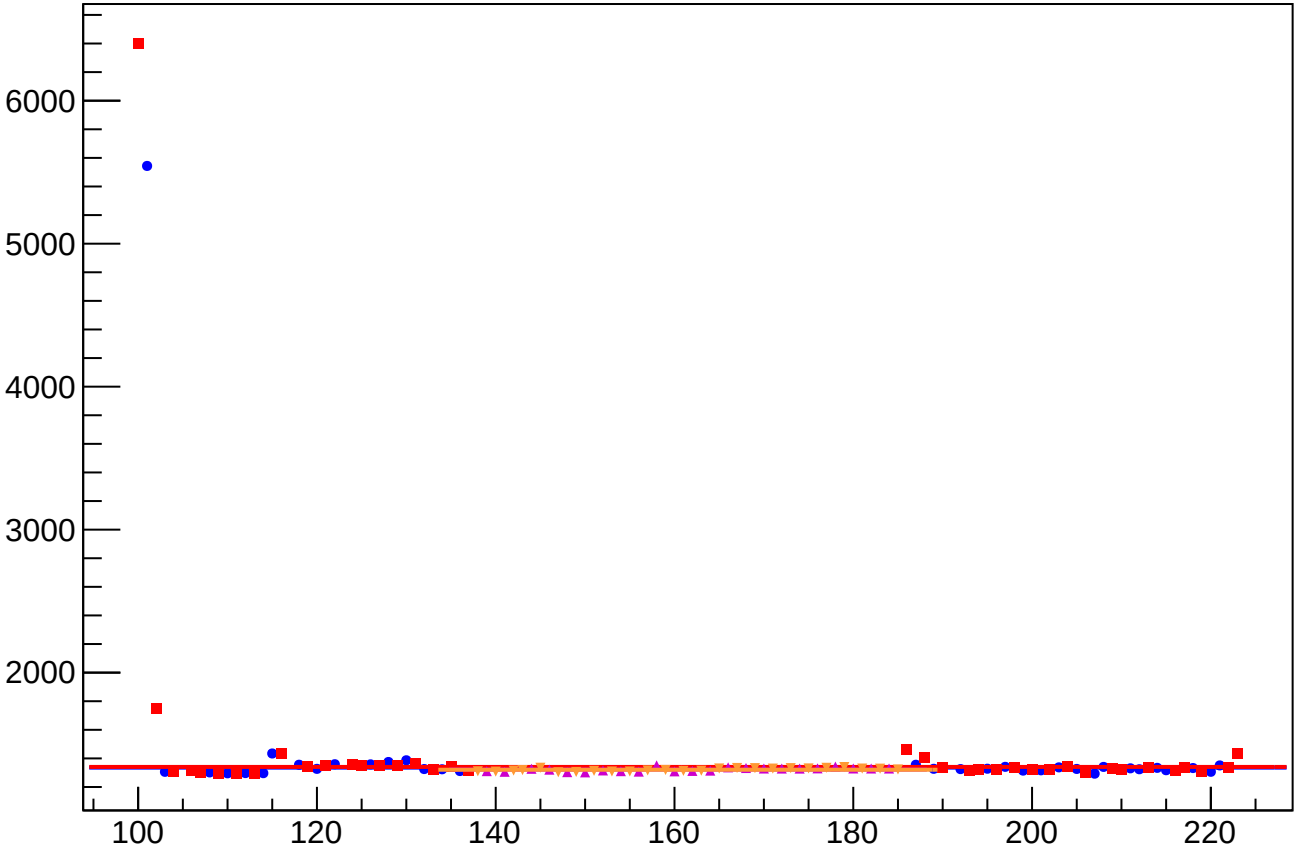
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign 47.650+/-207.252 χ^2/NDF: 66.1/58

All: 38.283+/-147.024 χ^2/NDF: 120.1/119

- sign 28.793+/-208.601 χ^2/NDF: 54.0/60

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1335.691+/-0.203 χ^2/NDF: 768222.1/33

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1340.410+/-0.200 χ^2/NDF: 167805.8/37

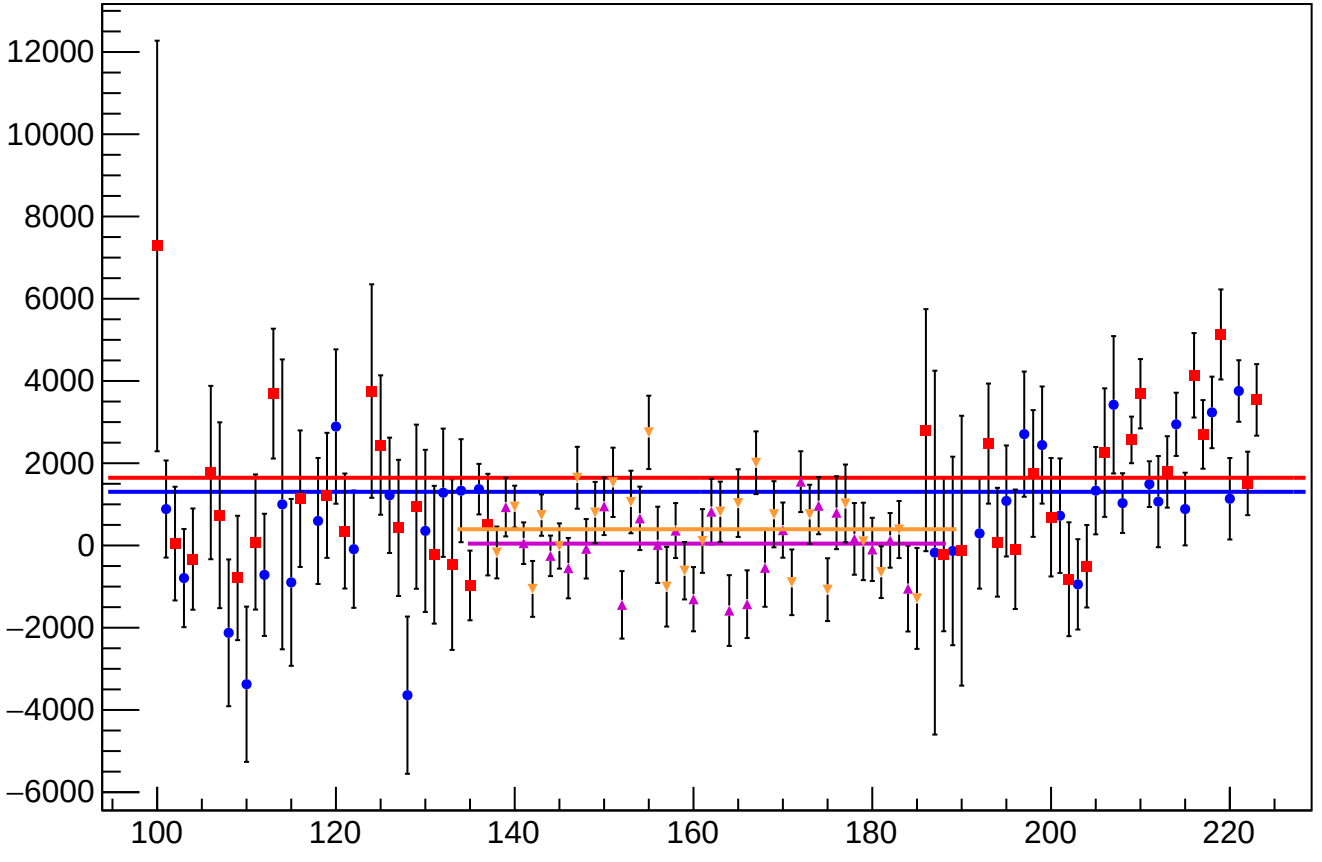
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.556+/-0.147 χ^2/NDF: 773420.9/58

All: 1330.217+/-0.104 χ^2/NDF: 948996.2/119

- sign 1331.900+/-0.148 χ^2/NDF: 175316.6/60

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 1304.880+/-193.787 χ^2/NDF: 54.2/33

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 1646.103+/-200.754 χ^2/NDF: 69.7/37

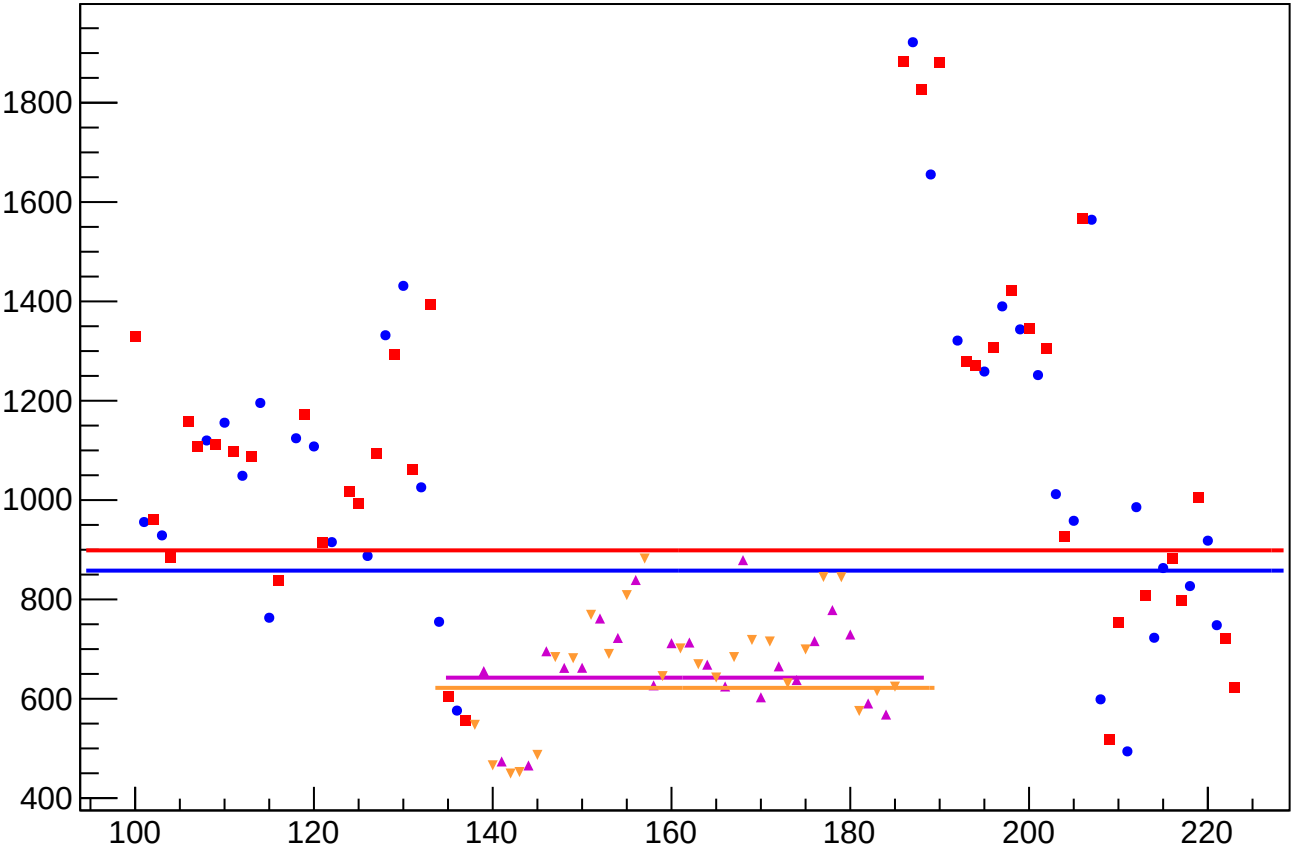
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 720.020+/-115.872 χ^2/NDF: 110.3/58

All: 677.037+/-83.804 χ^2/NDF: 248.2/119

- sign 629.894+/-121.351 χ^2/NDF: 137.7/60

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 857.985+/-0.137 χ^2/NDF: 4095478.3/33

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 898.777+/-0.142 χ^2/NDF: 4528006.0/37

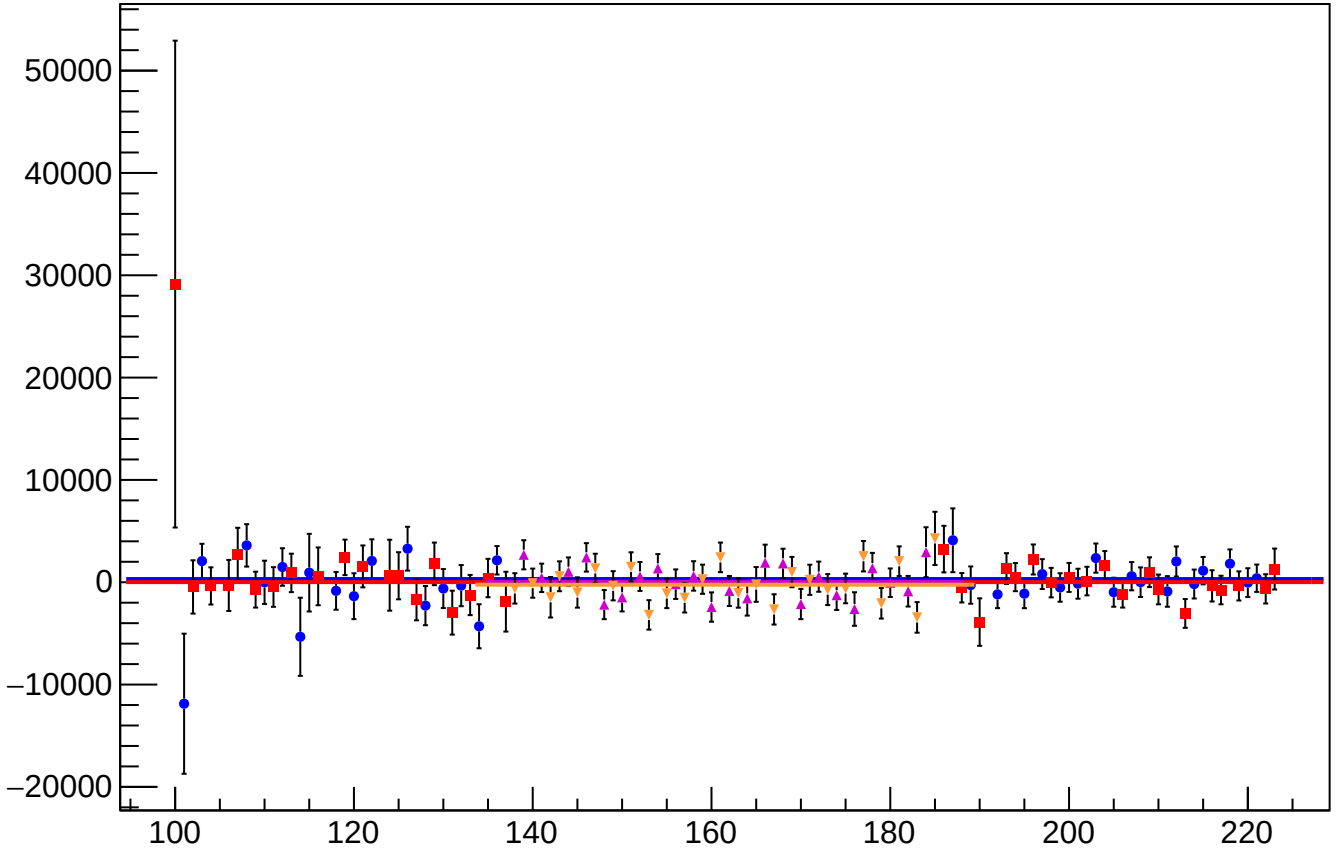
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 706.340+/-0.082 χ^2/NDF: 7385238.8/58

All: 720.544+/-0.059 χ^2/NDF: 14971431.6/11

- sign 736.123+/-0.086 χ^2/NDF: 7523174.5/60

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 311.179+/-286.647 χ^2/NDF: 32.6/33

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 14.232+/-283.355 χ^2/NDF: 26.9/37

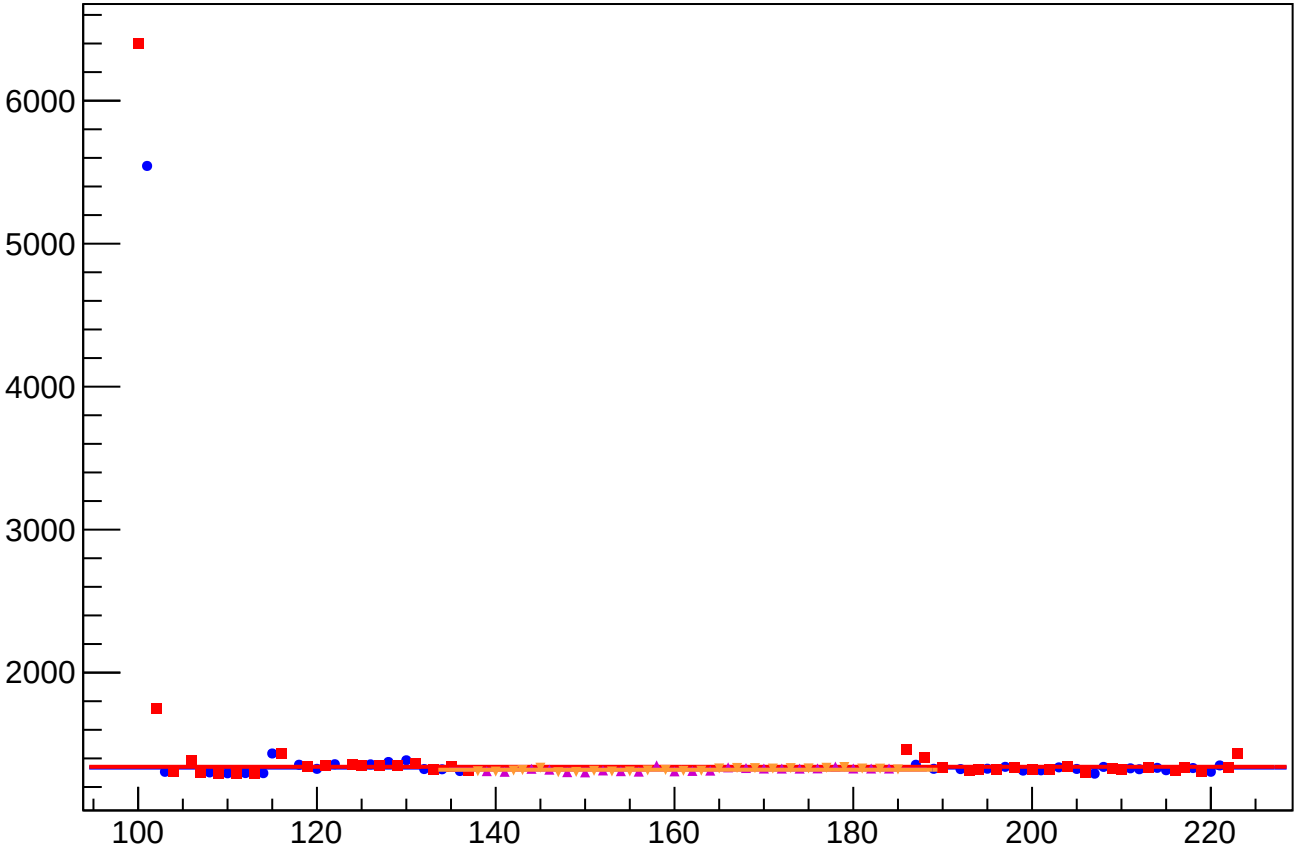
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign 47.718+/-207.252 χ^2/NDF: 66.1/58

All: 36.762+/-147.067 χ^2/NDF: 120.1/119

- sign 25.649+/-208.724 χ^2/NDF: 54.0/60

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1335.691+/-0.203 χ^2/NDF: 768221.1/33

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1341.379+/-0.200 χ^2/NDF: 168337.3/37

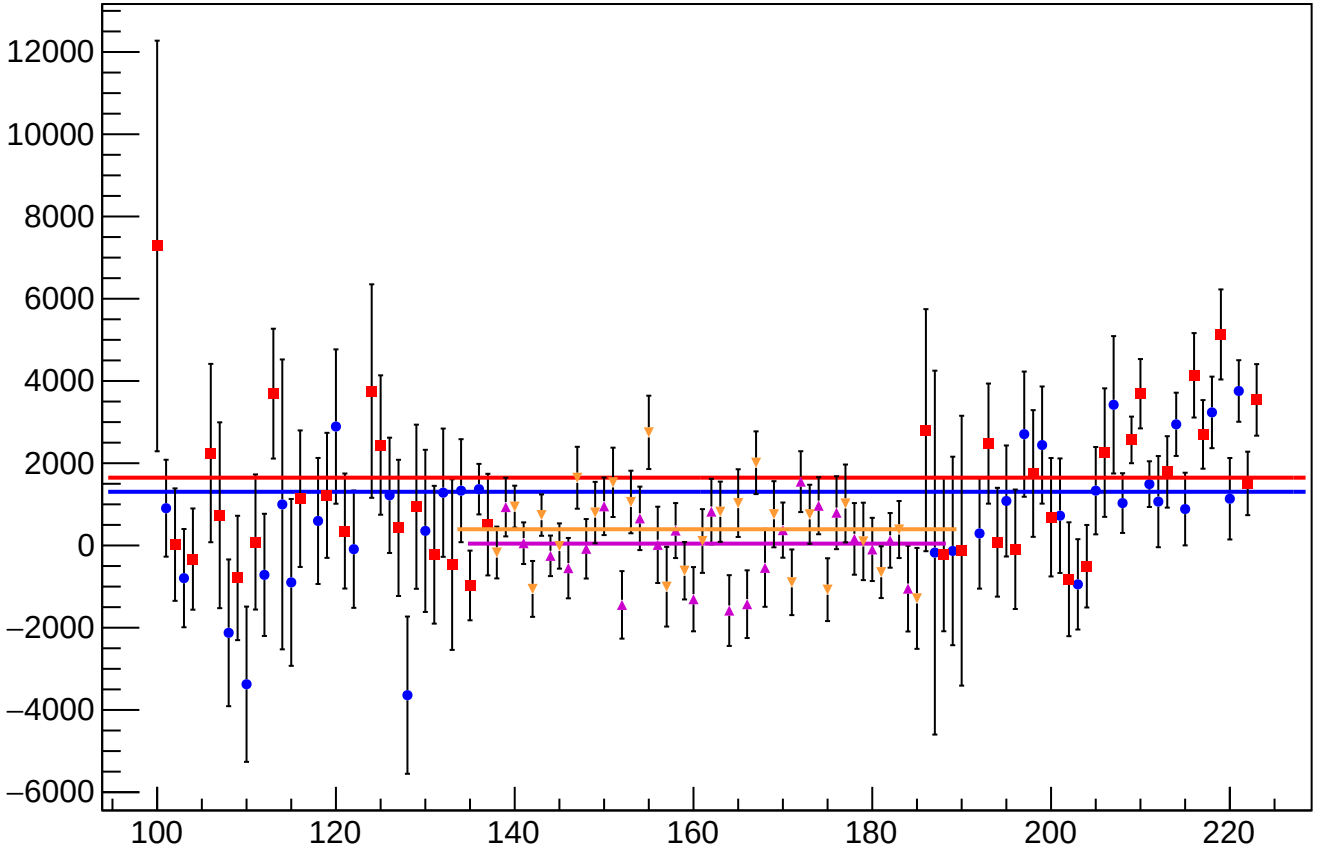
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.556+/-0.147 χ^2/NDF: 773419.9/58

All: 1330.472+/-0.104 χ^2/NDF: 950030.5/119

- sign 1332.416+/-0.148 χ^2/NDF: 176266.2/60

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 1305.420+/-193.776 χ^2/NDF: 54.2/33

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 1648.797+/-200.754 χ^2/NDF: 69.9/37

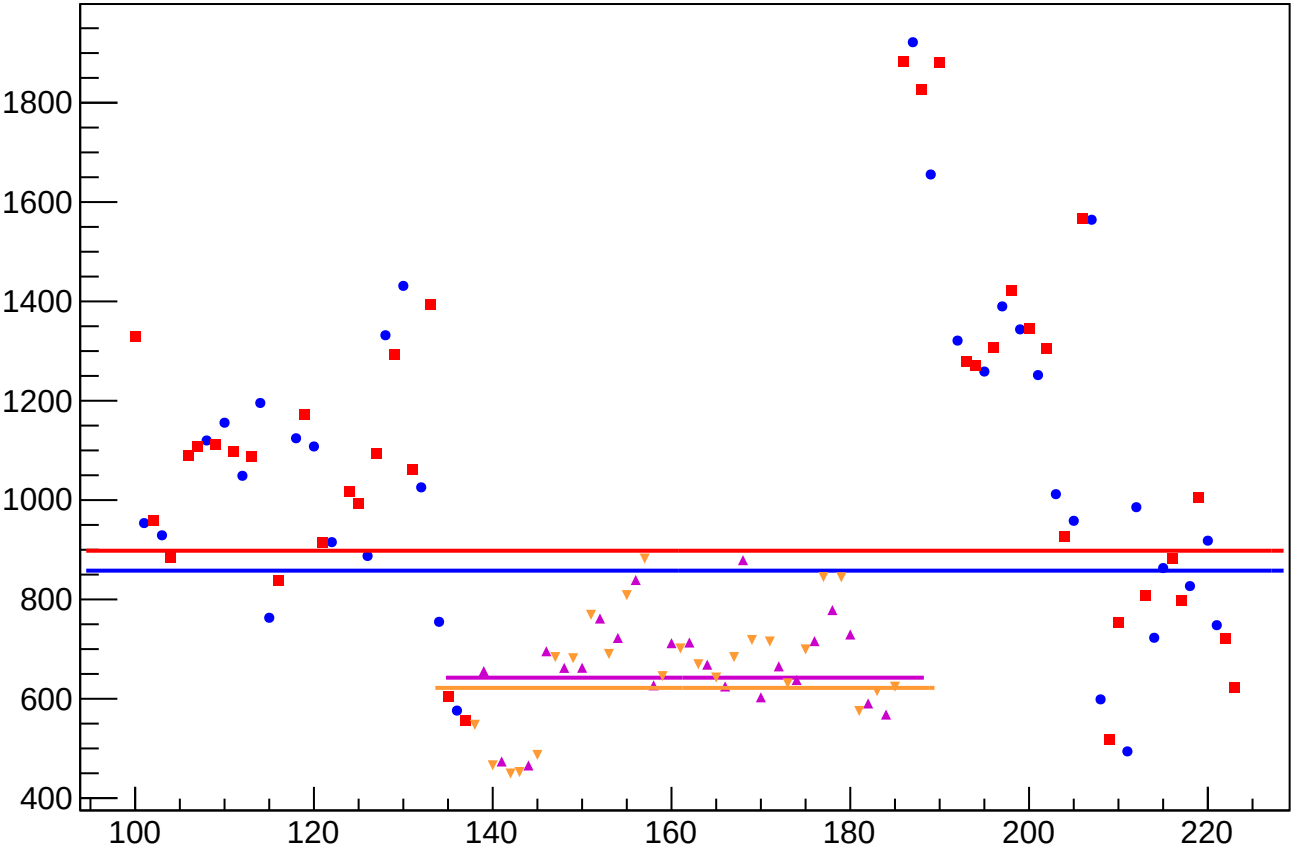
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 720.219+/-115.870 χ^2/NDF: 110.3/58

All: 677.605+/-83.803 χ^2/NDF: 248.5/119

- sign 630.864+/-121.351 χ^2/NDF: 138.0/60

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 857.942+/-0.137 χ^2/NDF: 4095072.4/33

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 898.063+/-0.142 χ^2/NDF: 4513386.7/37

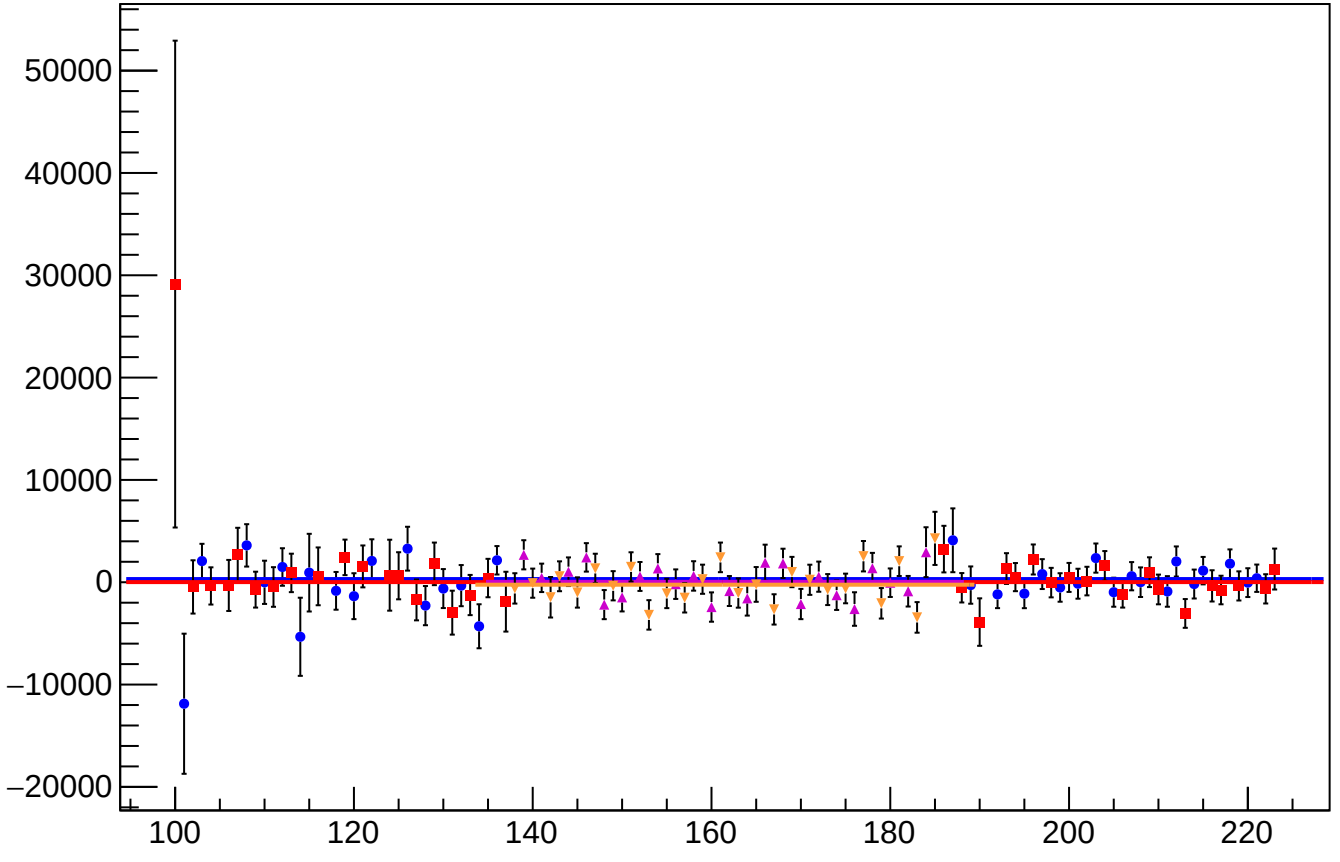
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 706.330+/-0.082 χ^2/NDF: 7384174.1/58

All: 720.413+/-0.059 χ^2/NDF: 14943300.1/11

- sign 735.859+/-0.086 χ^2/NDF: 7497182.3/60

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 311.179+/-286.647 χ^2/NDF: 32.6/33

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 14.232+/-283.355 χ^2/NDF: 26.9/37

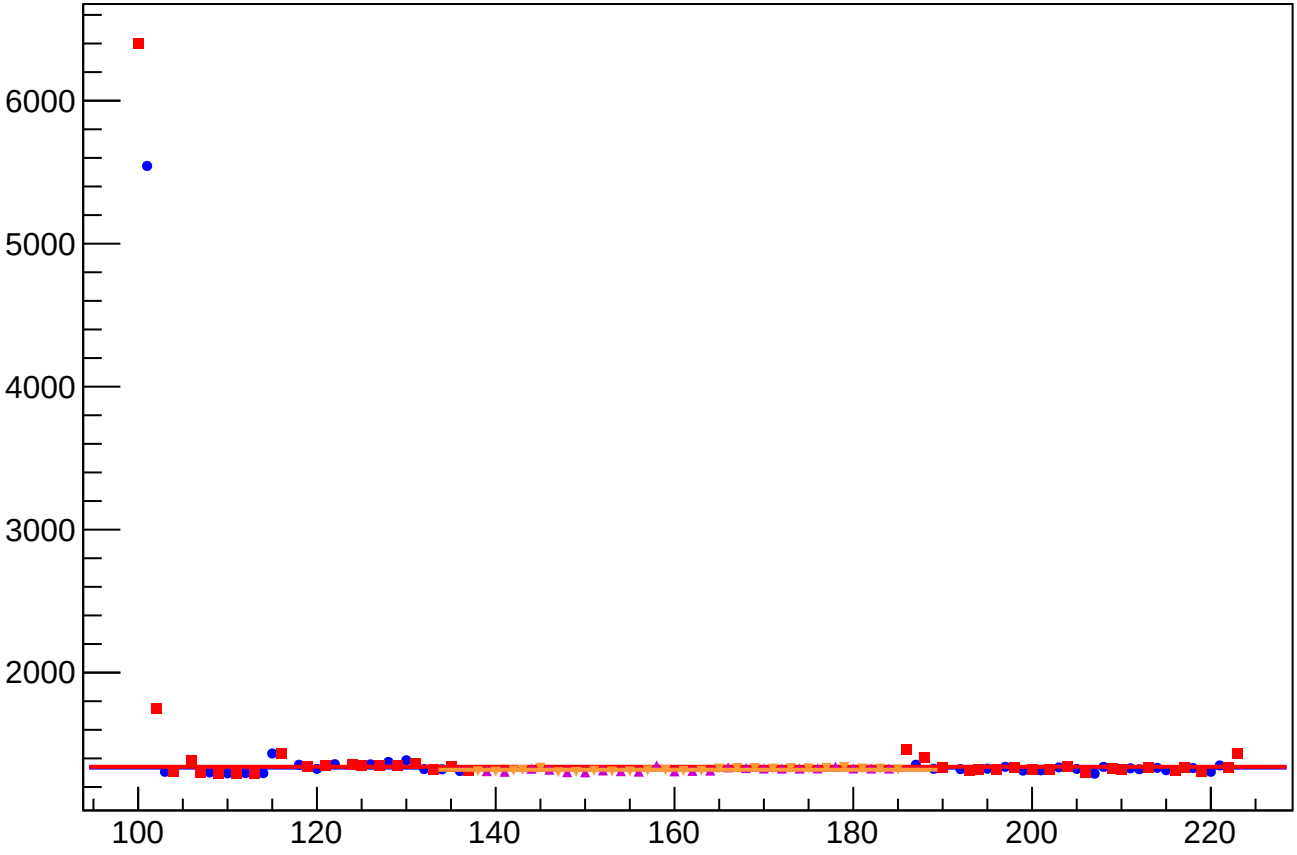
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign 47.718+/-207.252 χ^2/NDF: 66.1/58

All: 36.762+/-147.067 χ^2/NDF: 120.1/119

- sign 25.649+/-208.724 χ^2/NDF: 54.0/60

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1335.691+/-0.203 χ^2/NDF: 768221.1/33

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

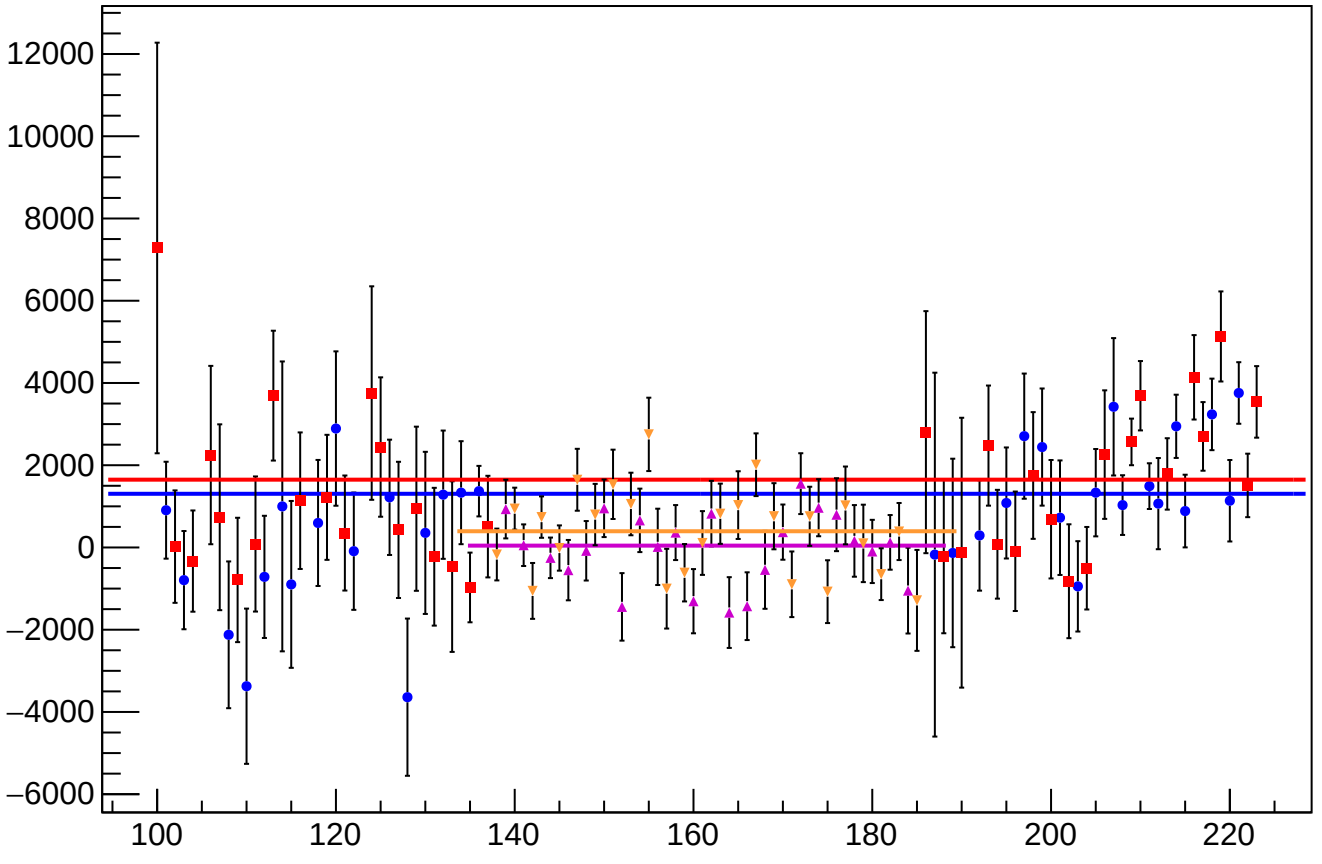
Right Out: 1341.379+/-0.200 χ^2/NDF: 168337.3/37

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.556+/-0.147 χ^2/NDF: 773419.9/58

All: 1330.472+/-0.104 χ^2/NDF: 950030.5/119

- sign 1332.416+/-0.148 χ^2/NDF: 176266.2/60



Right In: 1305.420+/-193.776 χ^2/NDF: 54.2/33

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

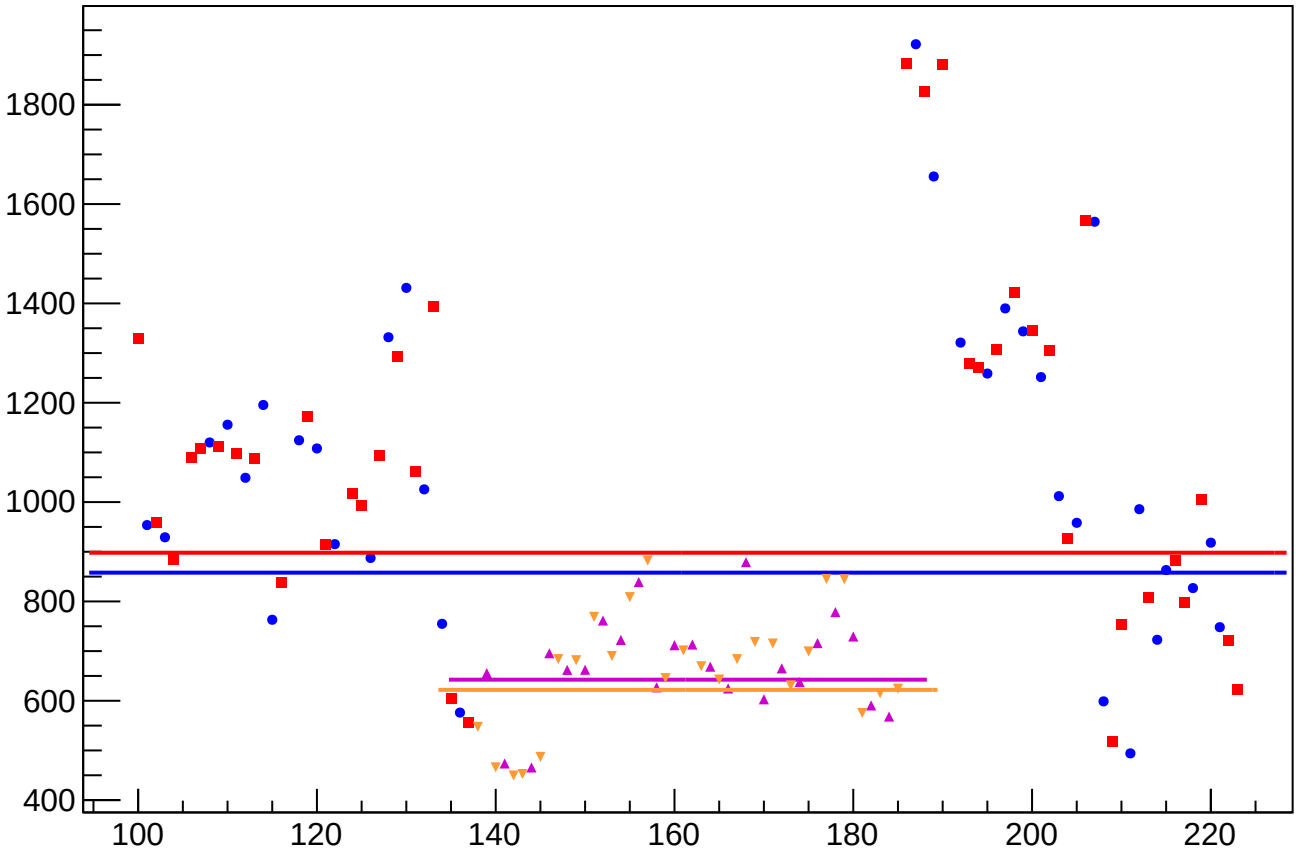
Right Out: 1648.797+/-200.754 χ^2/NDF: 69.9/37

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 720.219+/-115.870 χ^2/NDF: 110.3/58

All: 677.605+/-83.803 χ^2/NDF: 248.5/119

- sign 630.864+/-121.351 χ^2/NDF: 138.0/60



Right In: 857.942+/-0.137 χ^2/NDF: 4095072.4/33

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 898.063+/-0.142 χ^2/NDF: 4513386.7/37

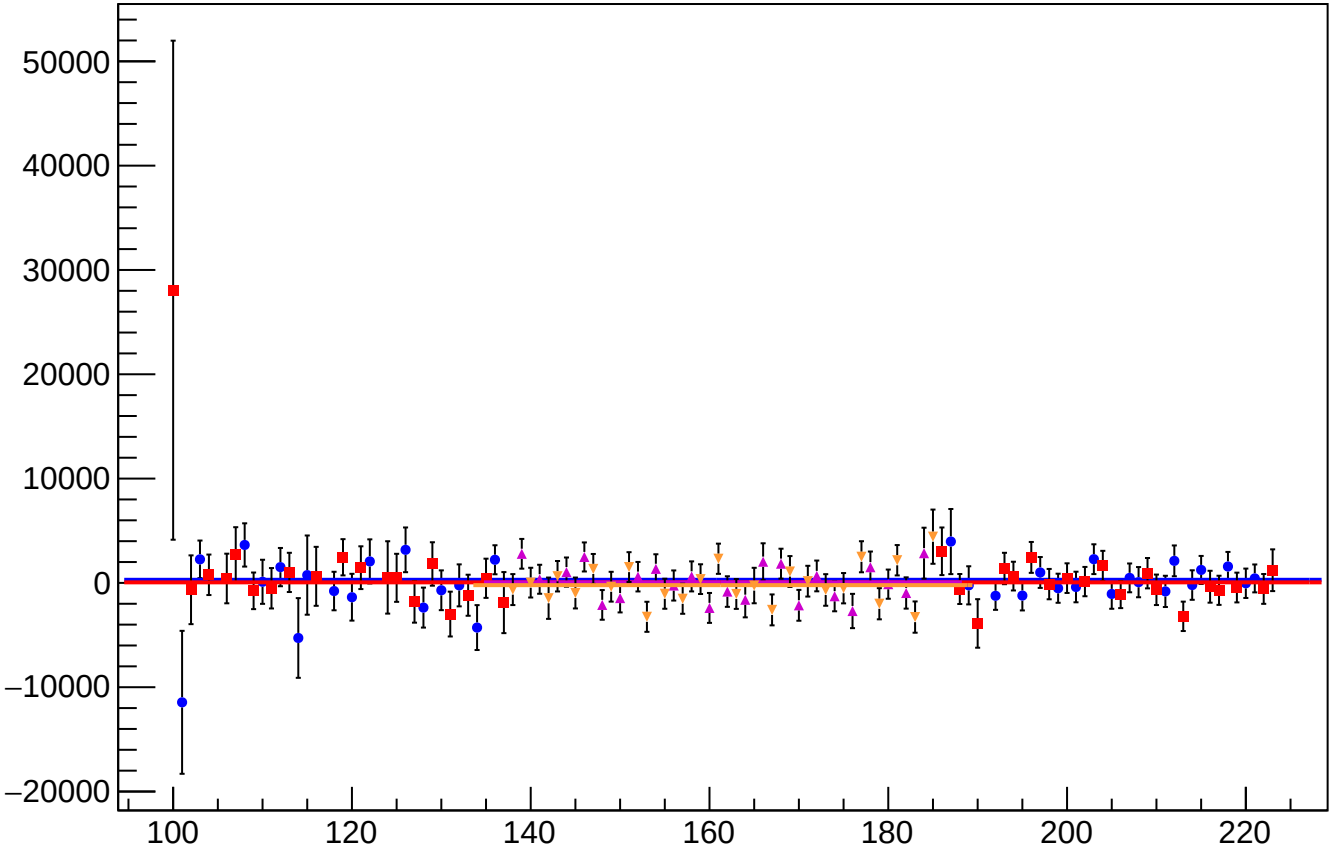
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 706.330+/-0.082 χ^2/NDF: 7384174.1/58

All: 720.413+/-0.059 χ^2/NDF: 14943300.1/11

- sign 735.859+/-0.086 χ^2/NDF: 7497182.3/60

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 297.385+/-287.713 χ^2/NDF: 32.5/33

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 52.711+/-284.886 χ^2/NDF: 27.5/37

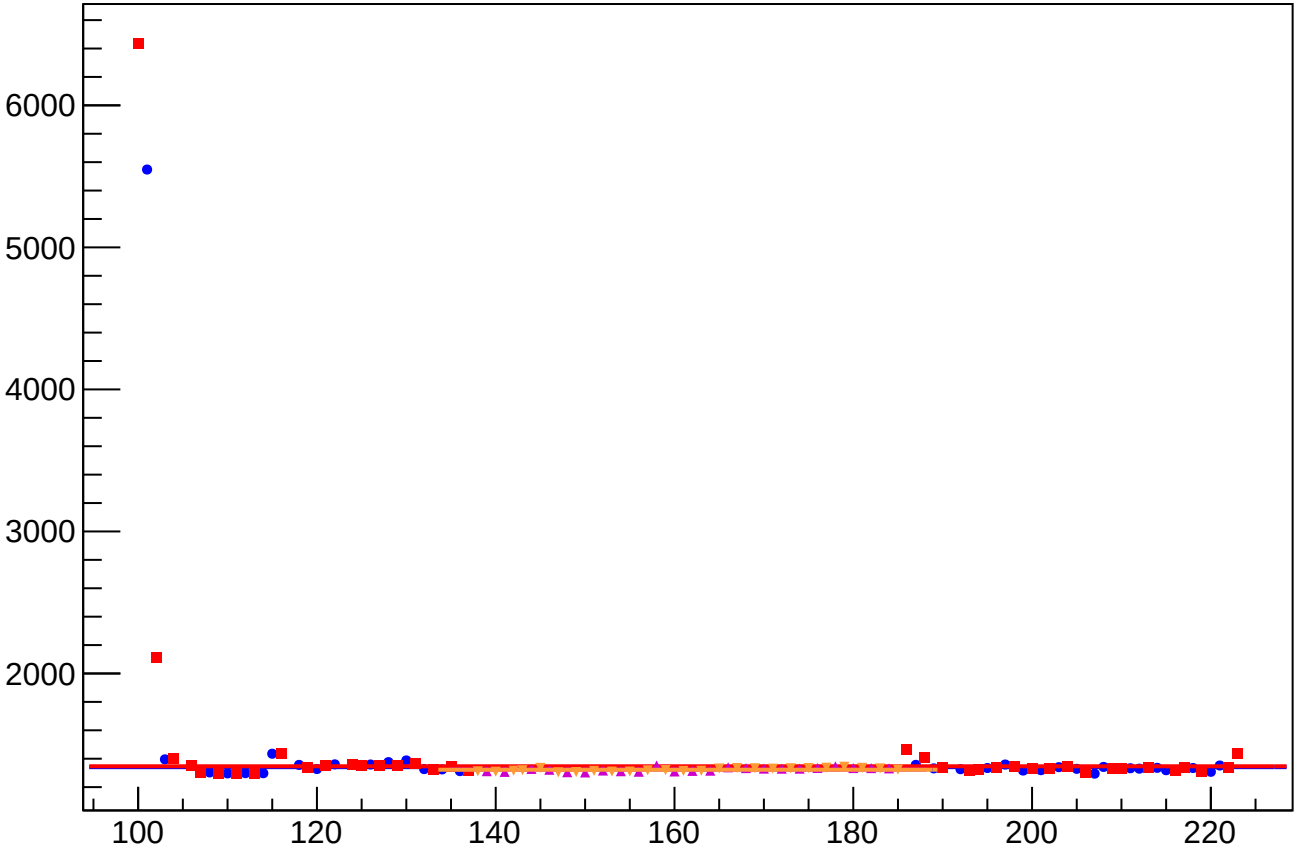
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 52.207+/-207.777 χ^2/NDF: 65.3/58

All: 51.895+/-147.508 χ^2/NDF: 120.6/119

- sign 51.577+/-209.447 χ^2/NDF: 55.3/60

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1340.623+/-0.203 χ^2/NDF: 769404.0/33

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1346.763+/-0.201 χ^2/NDF: 226482.2/37

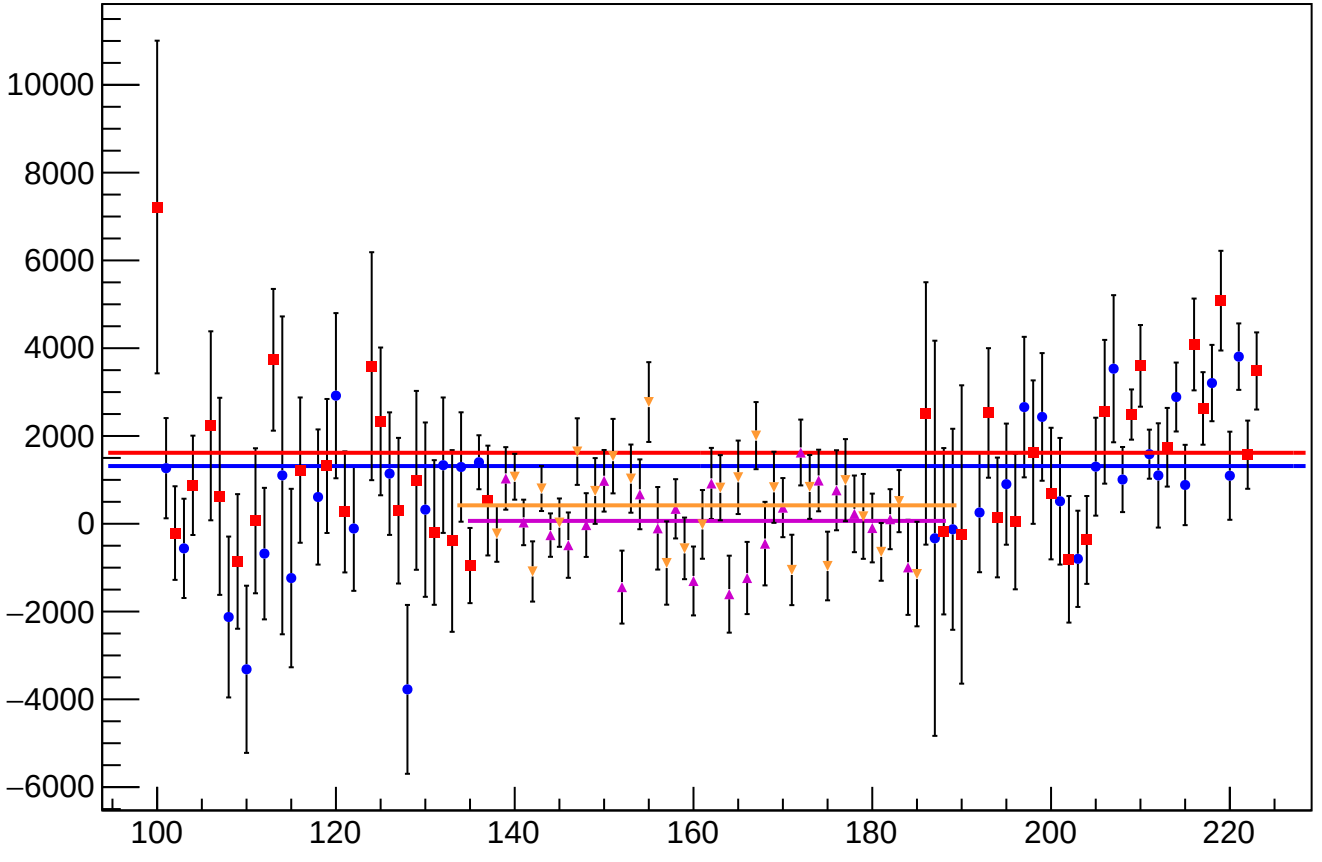
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.889+/-0.147 χ^2/NDF: 776187.8/58

All: 1333.928+/-0.104 χ^2/NDF: 1013128.4/11

- sign 1335.999+/-0.148 χ^2/NDF: 236552.3/60

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 1314.782+/-195.837 χ^2/NDF: 53.4/33

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1617.131+/-202.150 χ^2/NDF: 64.6/37

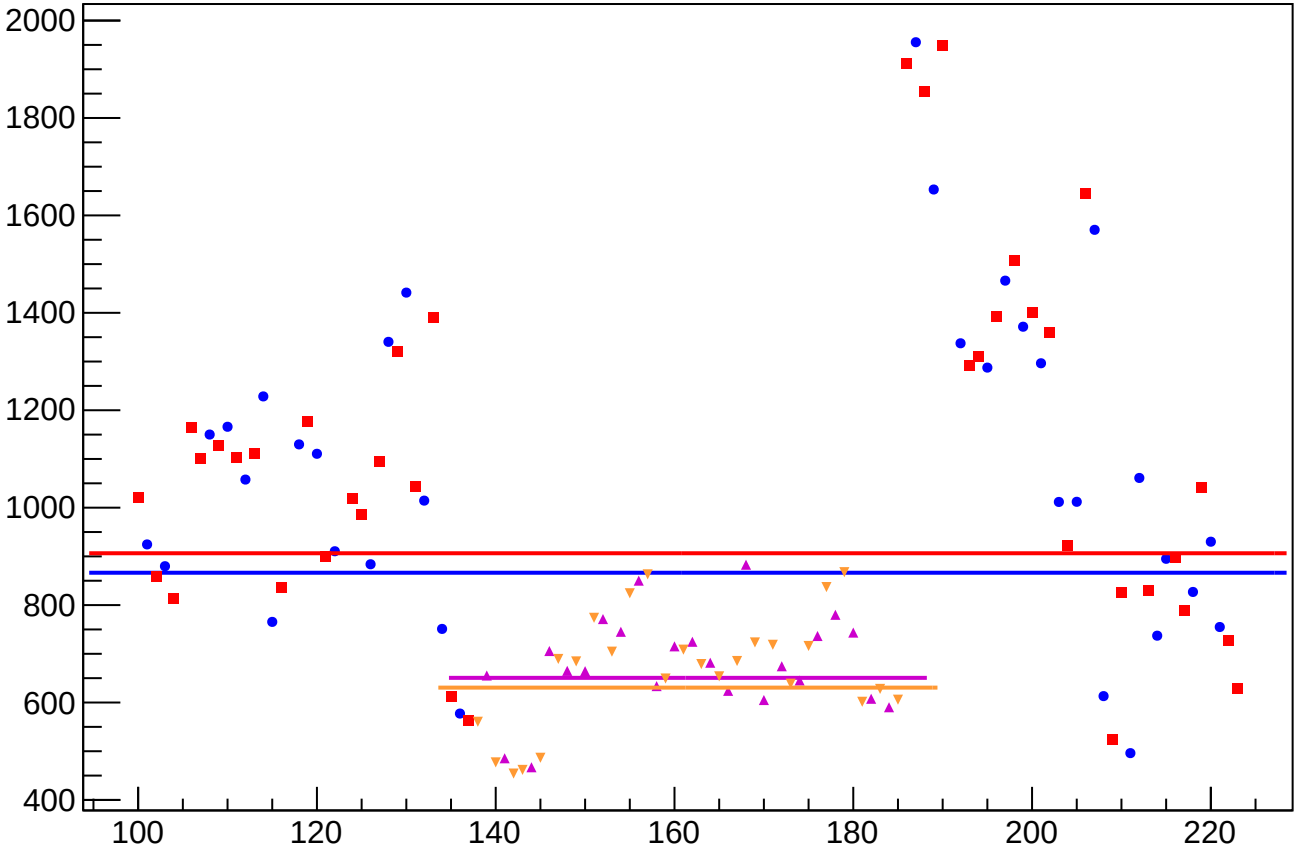
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

\+ sign 740.816+/-117.275 χ^2/NDF: 108.3/58

All: 690.882+/-84.751 χ^2/NDF: 237.5/119

\- sign 636.297+/-122.615 χ^2/NDF: 128.9/60

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 866.424+/-0.138 χ^2/NDF: 4198759.6/33

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 906.434+/-0.143 χ^2/NDF: 4678944.8/37

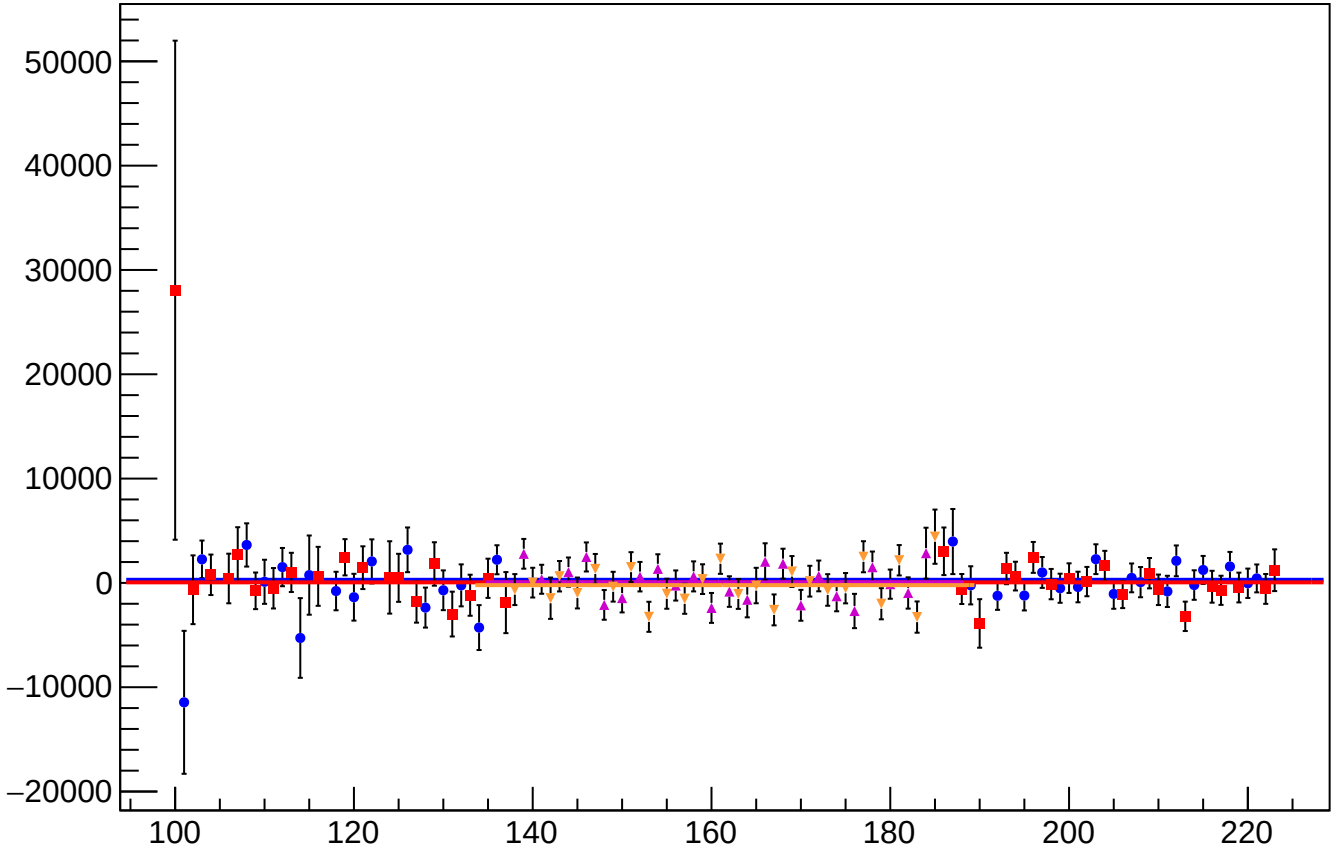
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 715.164+/-0.083 χ^2/NDF: 7387582.6/58

All: 729.297+/-0.060 χ^2/NDF: 15073611.7/11

- sign 744.747+/-0.087 χ^2/NDF: 7625232.3/60

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 297.384+/-287.713 χ^2/NDF: 32.5/33

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 52.707+/-284.886 χ^2/NDF: 27.5/37

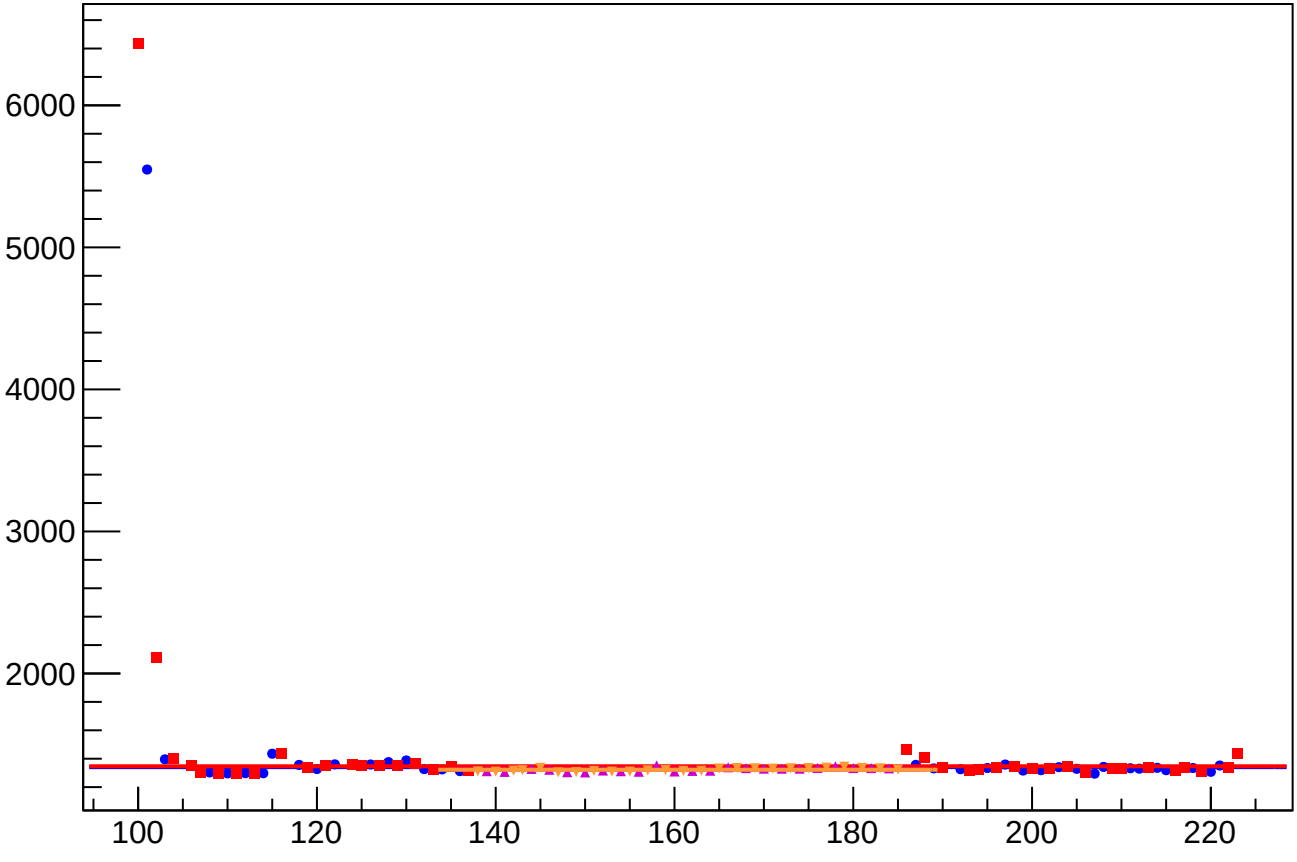
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 52.205+/-207.777 χ^2/NDF: 65.3/58

All: 51.893+/-147.508 χ^2/NDF: 120.6/119

- sign 51.575+/-209.447 χ^2/NDF: 55.3/60

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1340.623+/-0.203 χ^2/NDF: 769403.9/33

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

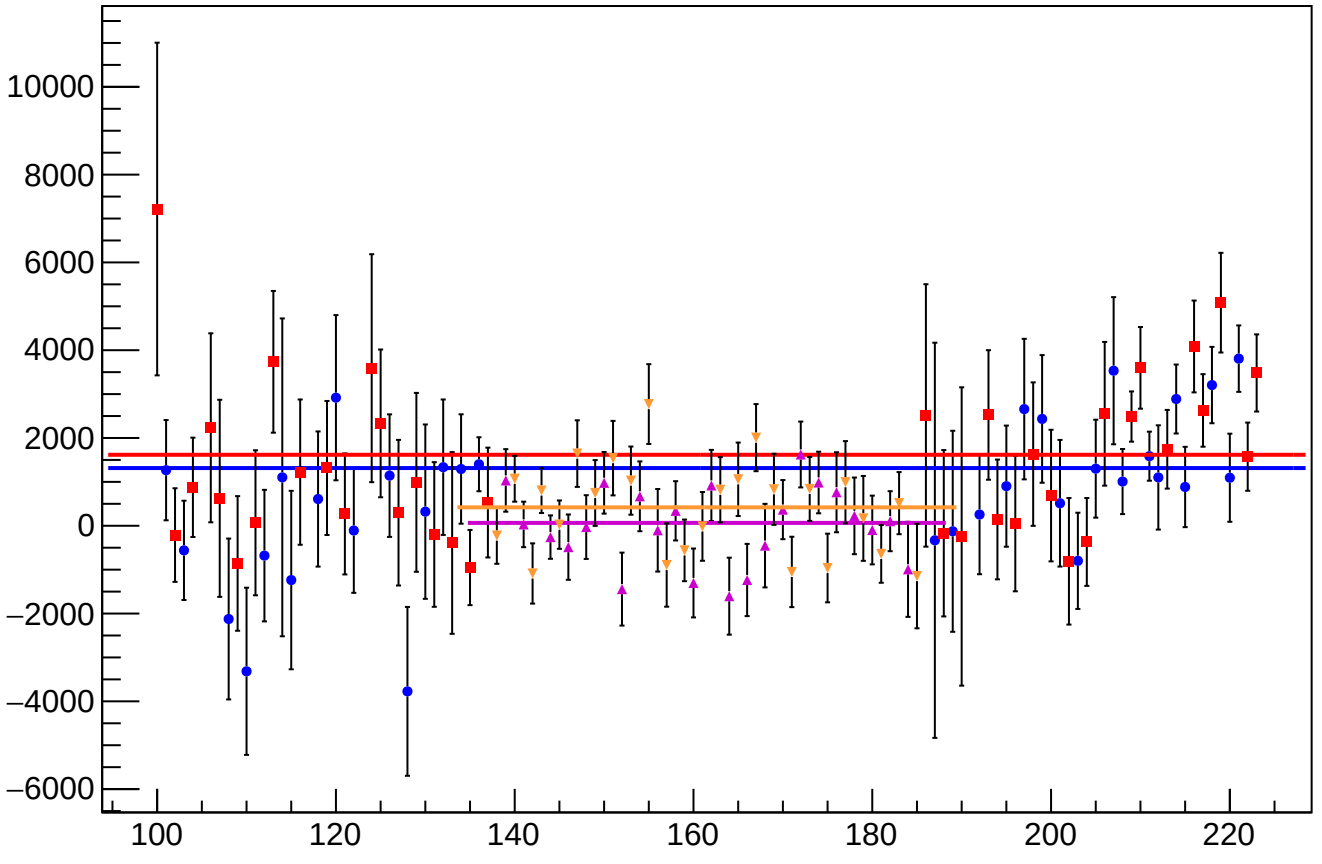
Right Out: 1346.763+/-0.201 χ^2/NDF: 226482.1/37

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.889+/-0.147 χ^2/NDF: 776187.8/58

All: 1333.928+/-0.104 χ^2/NDF: 1013128.3/11

- sign 1335.999+/-0.148 χ^2/NDF: 236552.2/60



Right In: 1314.779+/-195.836 χ^2/NDF: 53.4/33

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1617.129+/-202.150 χ^2/NDF: 64.6/37

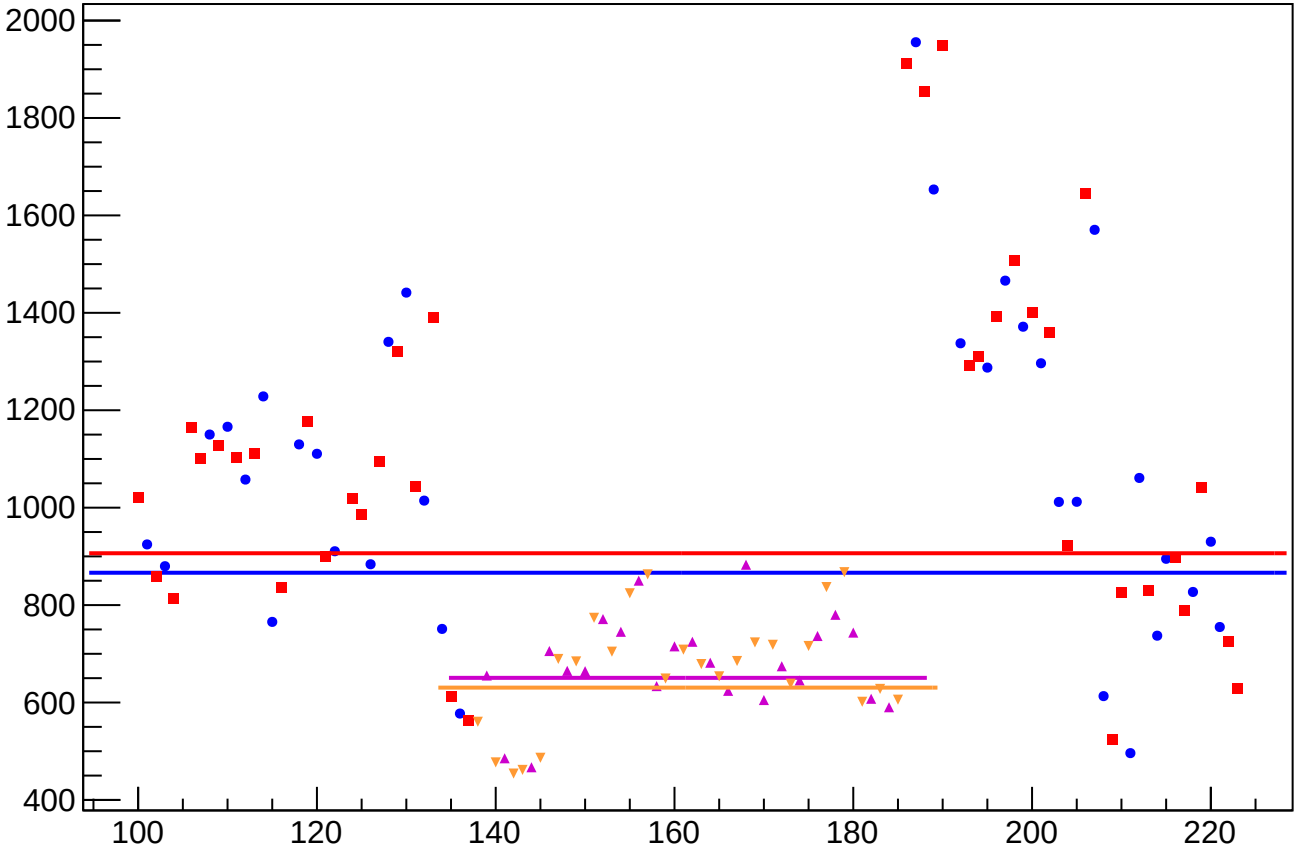
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 740.816+/-117.276 χ^2/NDF: 108.3/58

All: 690.883+/-84.751 χ^2/NDF: 237.5/119

- sign 636.299+/-122.615 χ^2/NDF: 128.9/60

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 866.423+/-0.138 χ^2/NDF: 4198755.5/33

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 906.432+/-0.143 χ^2/NDF: 4678960.9/37

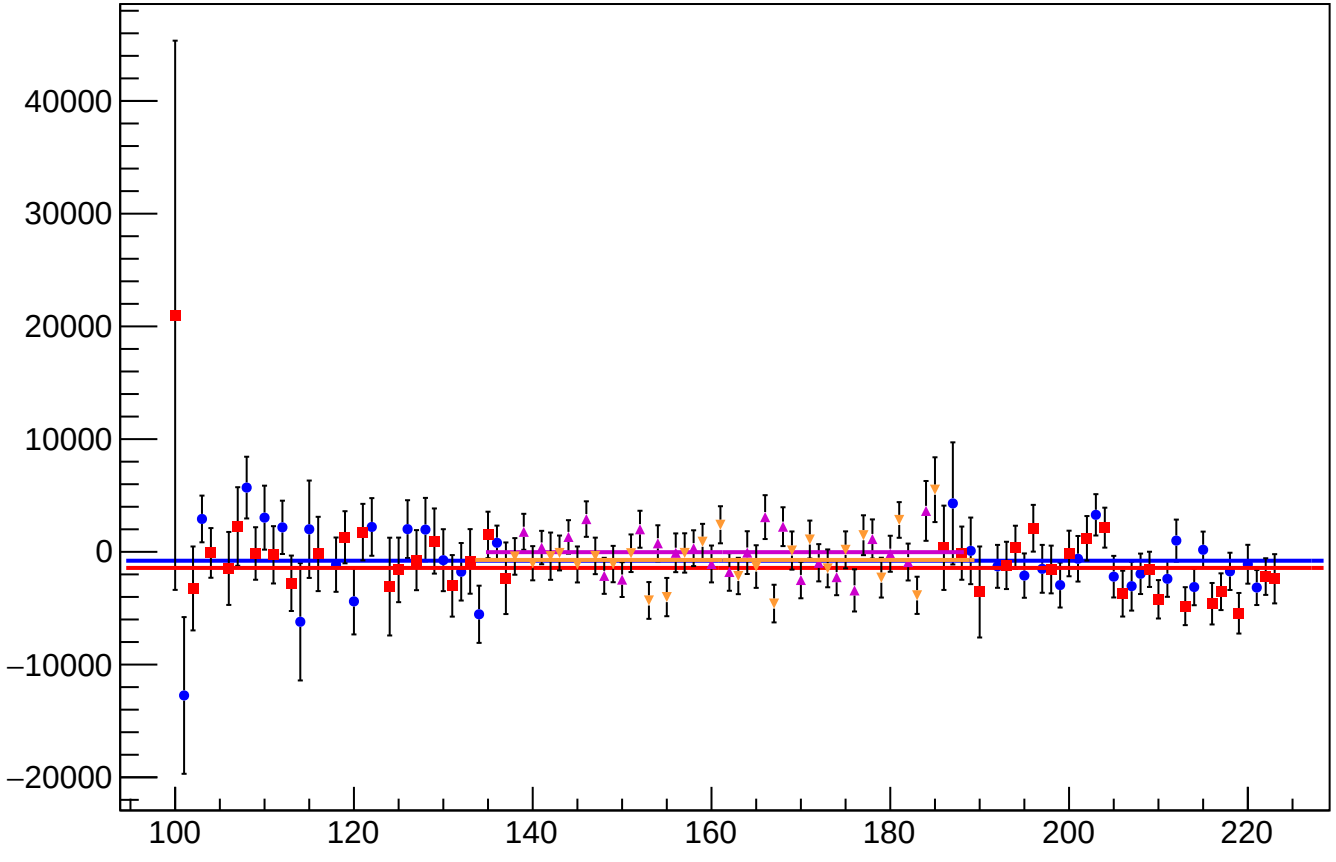
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 715.165+/-0.083 χ^2/NDF: 7387574.5/58

All: 729.298+/-0.060 χ^2/NDF: 15073584.9/11

- sign 744.747+/-0.087 χ^2/NDF: 7625212.9/60

asym_usr_atr1_dd_mean vs Slug



Right In: -786.966+/-366.271 χ^2/NDF: 43.4/33

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -1426.152+/-366.809 χ^2/NDF: 38.8/37

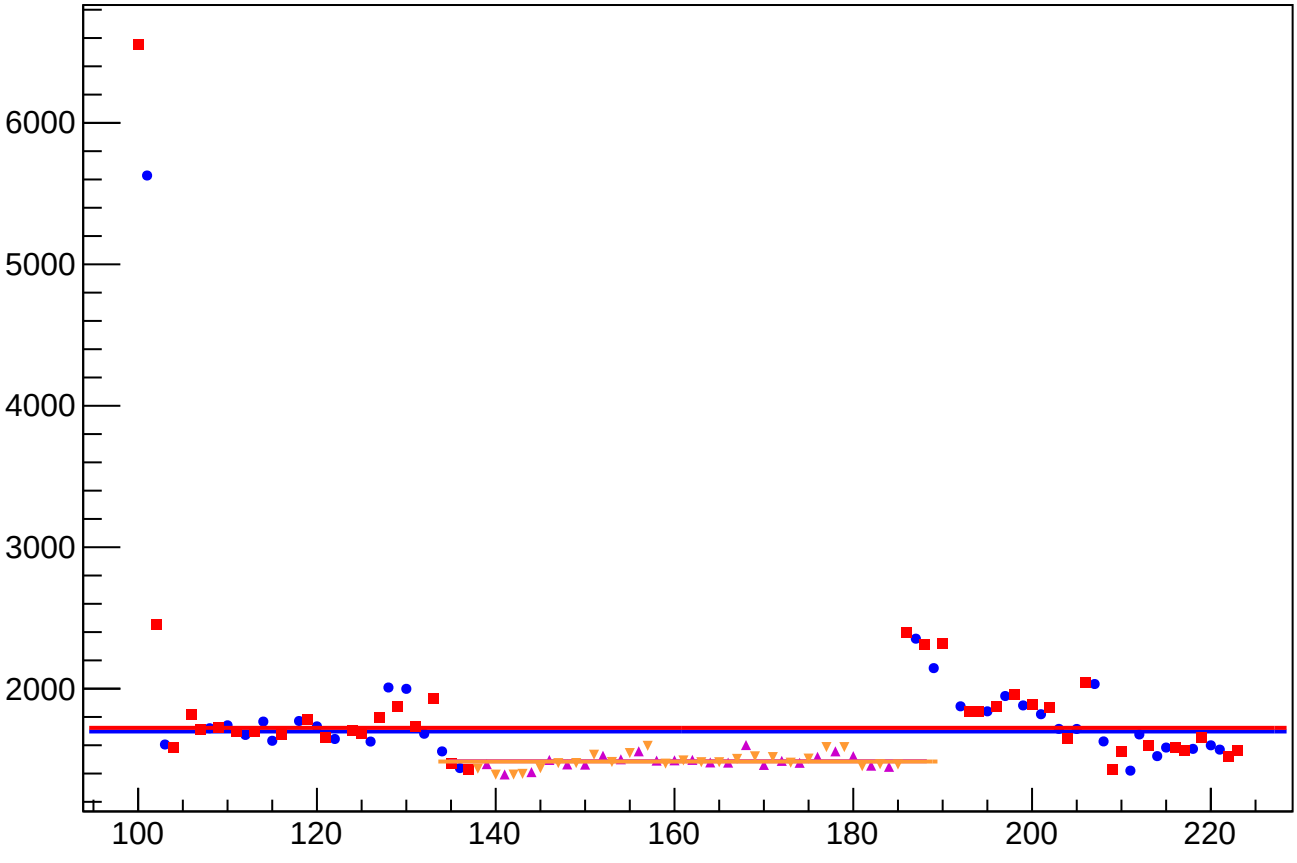
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -749.834+/-248.228 χ^2/NDF: 81.1/58

All: -719.846+/-176.924 χ^2/NDF: 155.6/119

- sign -688.882+/-252.237 χ^2/NDF: 74.4/60

asym_usr_atr1_dd_rms vs Slug



Right In: 1697.360+/-0.259 χ^2/NDF: 1093788.7/33

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

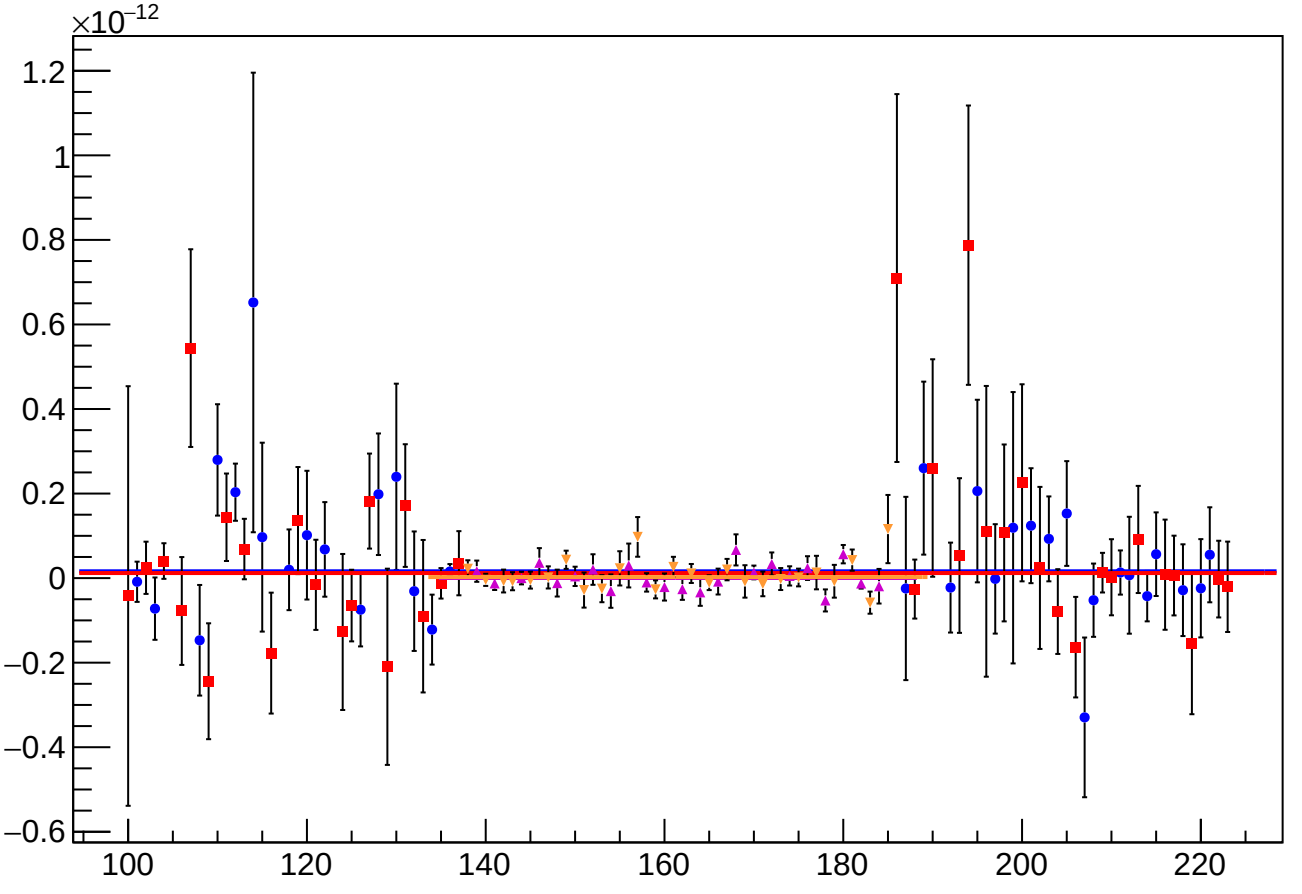
Right Out: 1723.128+/-0.259 χ^2/NDF: 770596.5/37

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1582.516+/-0.176 χ^2/NDF: 1508347.0/58

All: 1590.486+/-0.125 χ^2/NDF: 2754419.7/11

- sign 1598.716+/-0.178 χ^2/NDF: 1241881.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 34.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.4/37

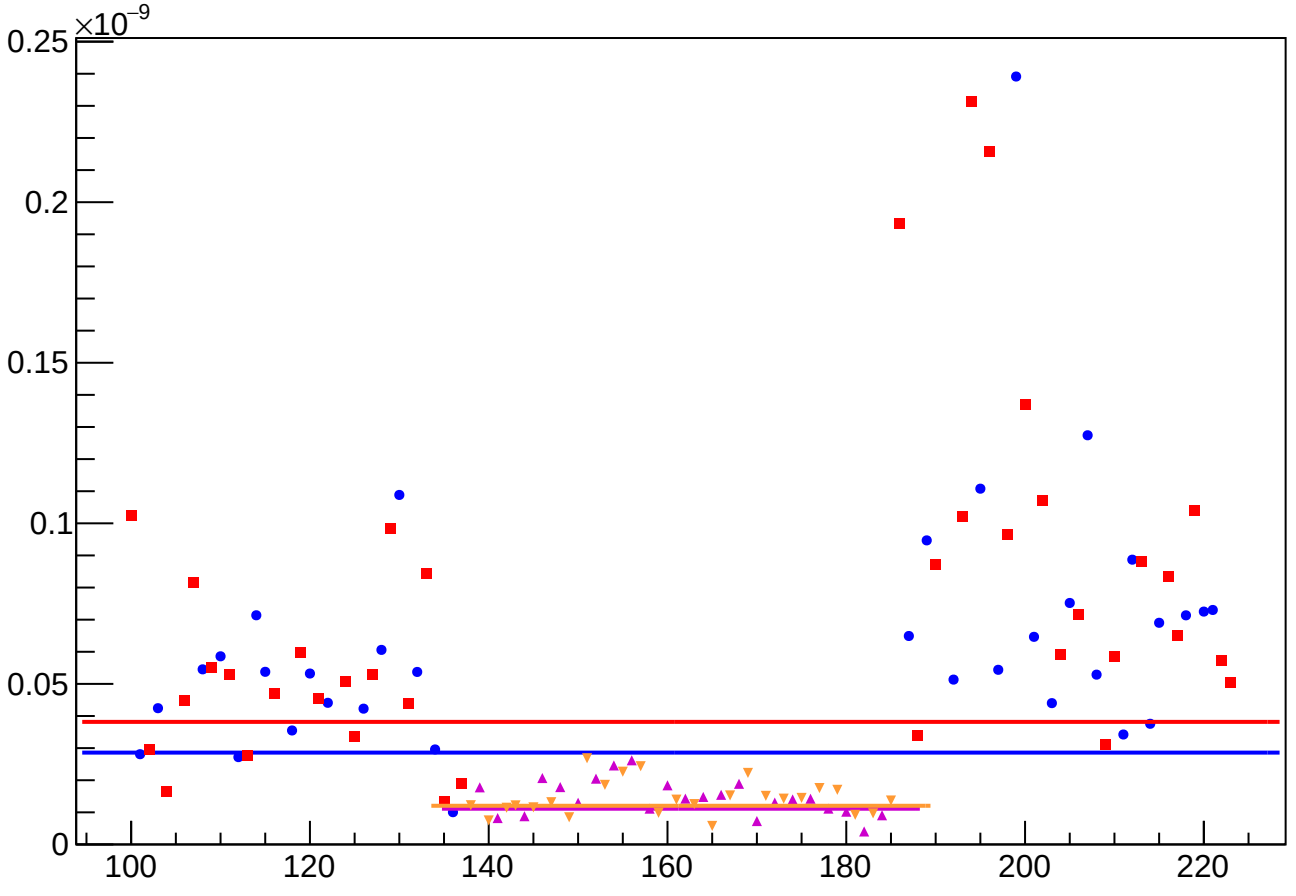
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.5/58

All: 0.000+/-0.000 χ^2/NDF: 122.5/119

- sign 0.000+/-0.000 χ^2/NDF: 61.8/60

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7541561.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6375955.0/37

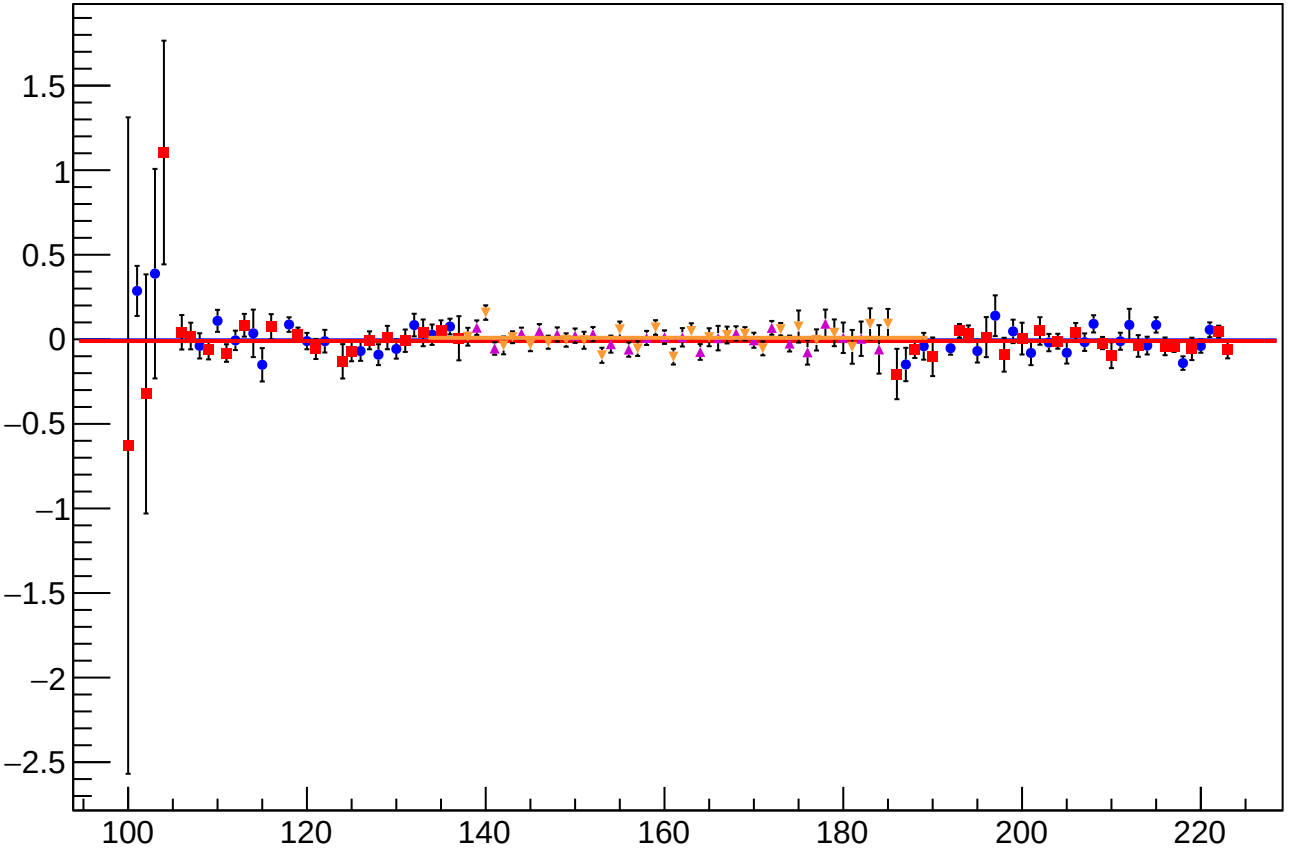
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12126221.1/58

All: 0.000+/-0.000 χ^2/NDF: 26456392.9/119

- sign 0.000+/-0.000 χ^2/NDF: 14306212.8/60

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.010 χ^2/NDF: 55.8/33

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.4/37

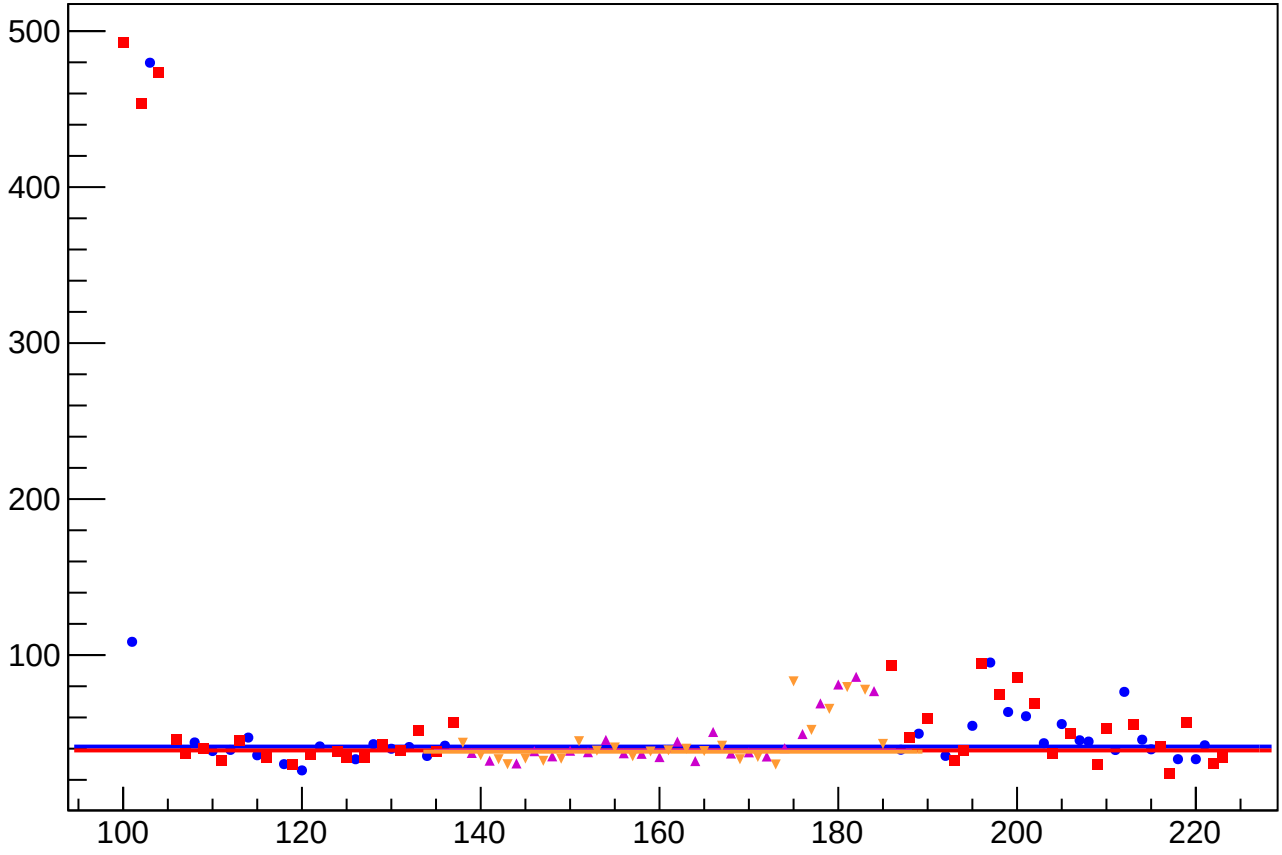
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 95.6/58

All: 0.000+/-0.005 χ^2/NDF: 146.7/119

- sign -0.001+/-0.007 χ^2/NDF: 51.0/60

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.320+/-0.007 χ^2/NDF: 3310359.8/33

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

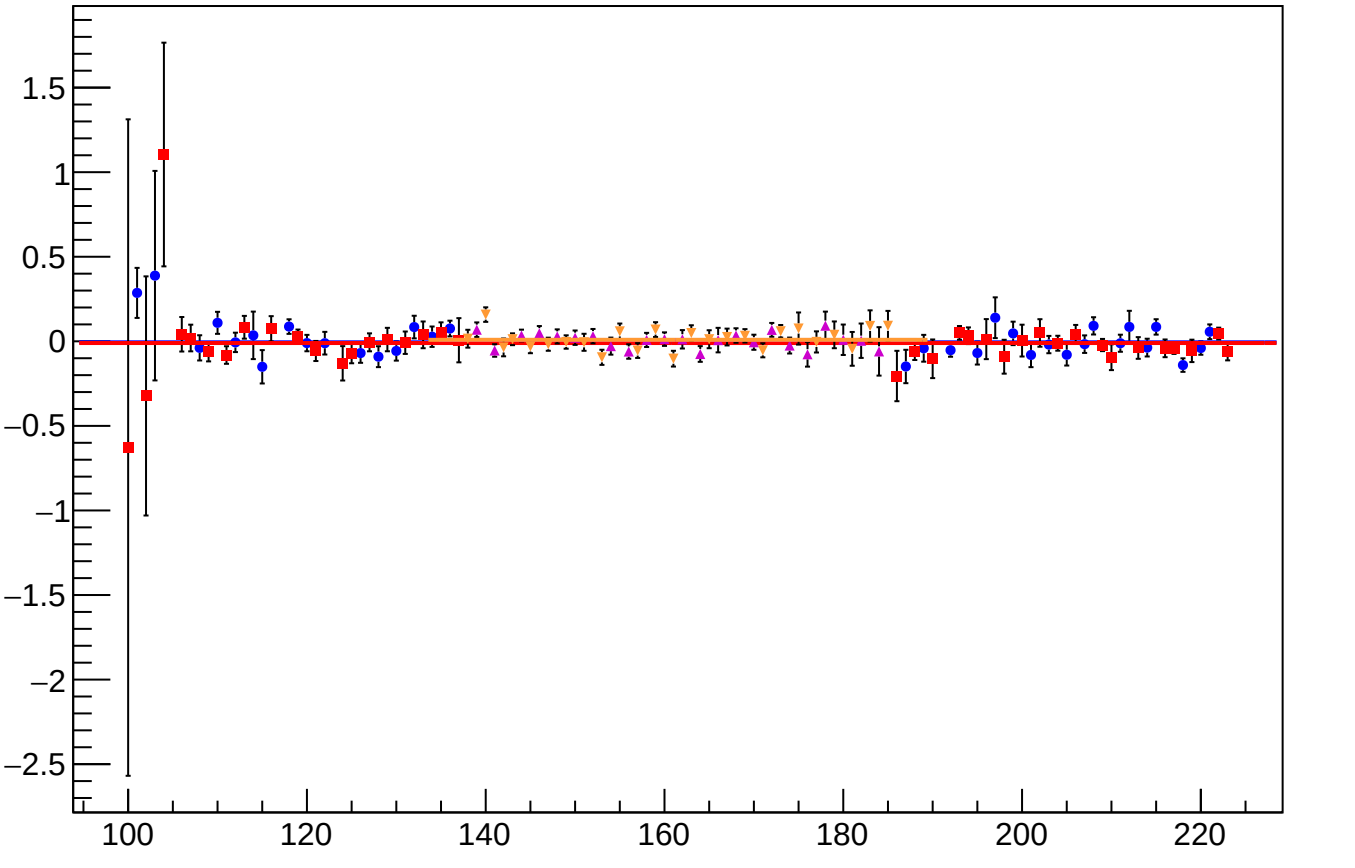
Right Out: 38.870+/-0.007 χ^2/NDF: 4987148.5/37

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.628+/-0.005 χ^2/NDF: 5388325.9/58

All: 39.192+/-0.003 χ^2/NDF: 12119748.3/119

\- sign 38.753+/-0.005 χ^2/NDF: 6715412.2/60



Right In: -0.006+/-0.010 χ^2/NDF: 55.8/33

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.4/37

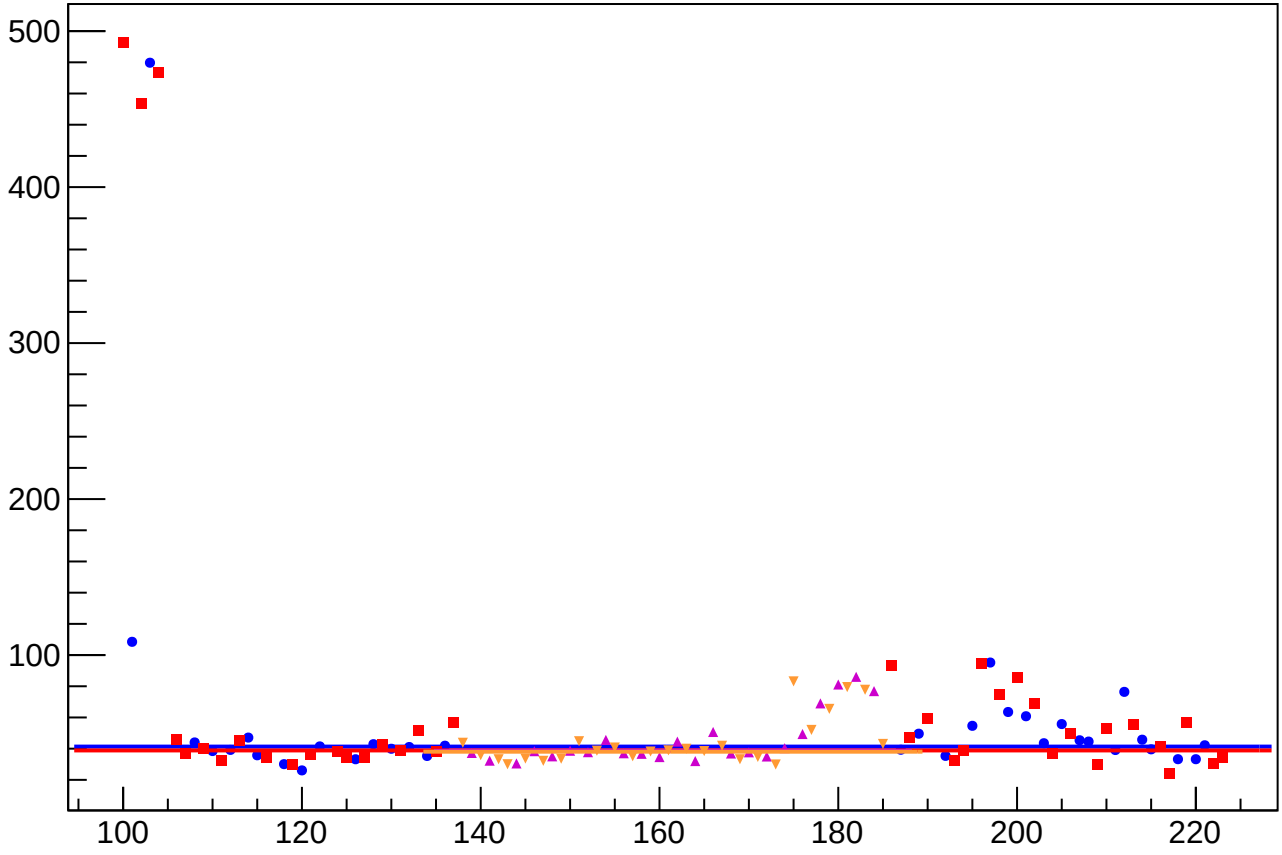
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 95.6/58

All: 0.000+/-0.005 χ^2/NDF: 146.7/119

- sign -0.001+/-0.007 χ^2/NDF: 51.0/60

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.320+/-0.007 χ^2/NDF: 3310359.8/33

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

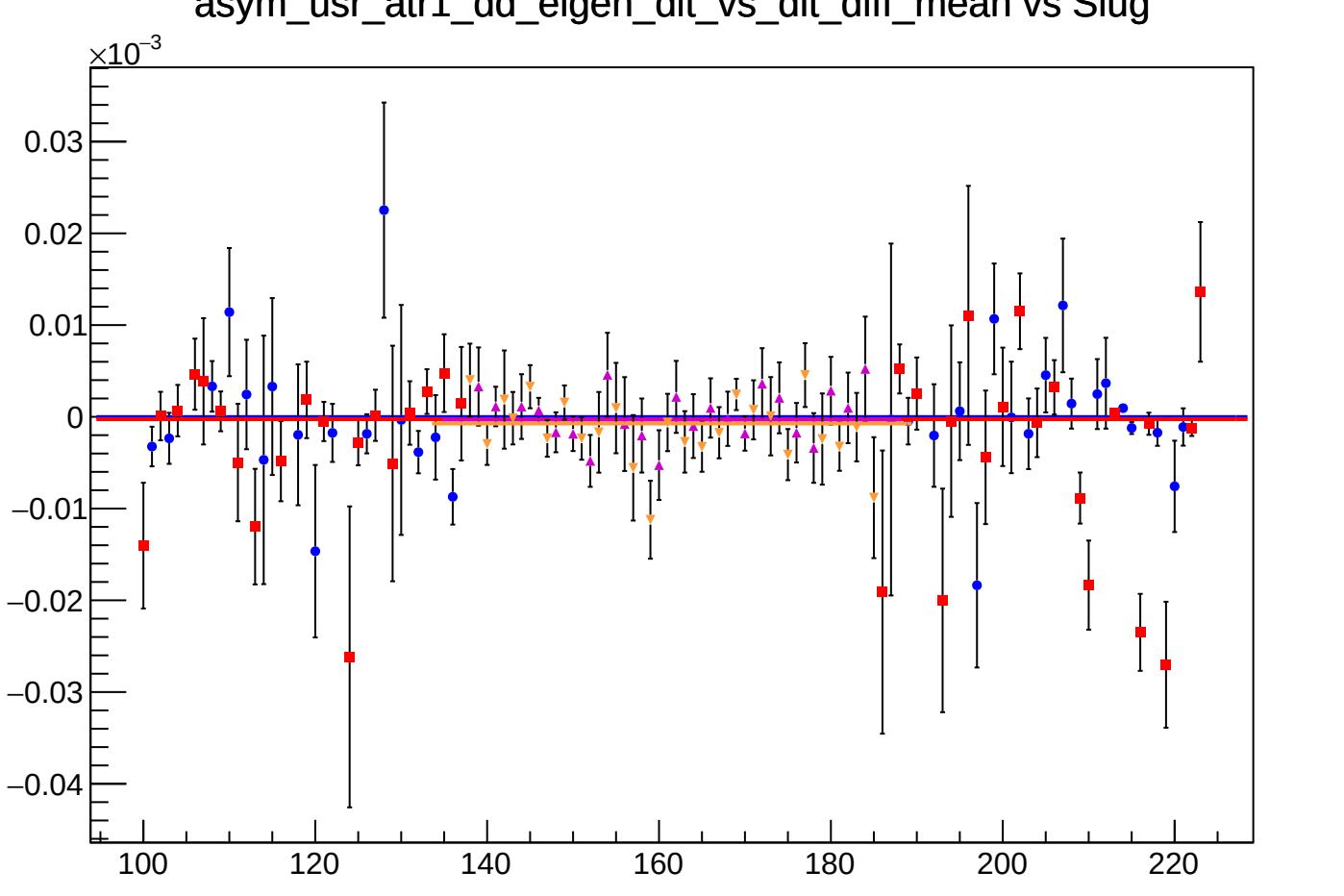
Right Out: 38.870+/-0.007 χ^2/NDF: 4987148.5/37

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.628+/-0.005 χ^2/NDF: 5388325.9/58

All: 39.192+/-0.003 χ^2/NDF: 12119748.3/119

\- sign 38.753+/-0.005 χ^2/NDF: 6715412.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 52.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

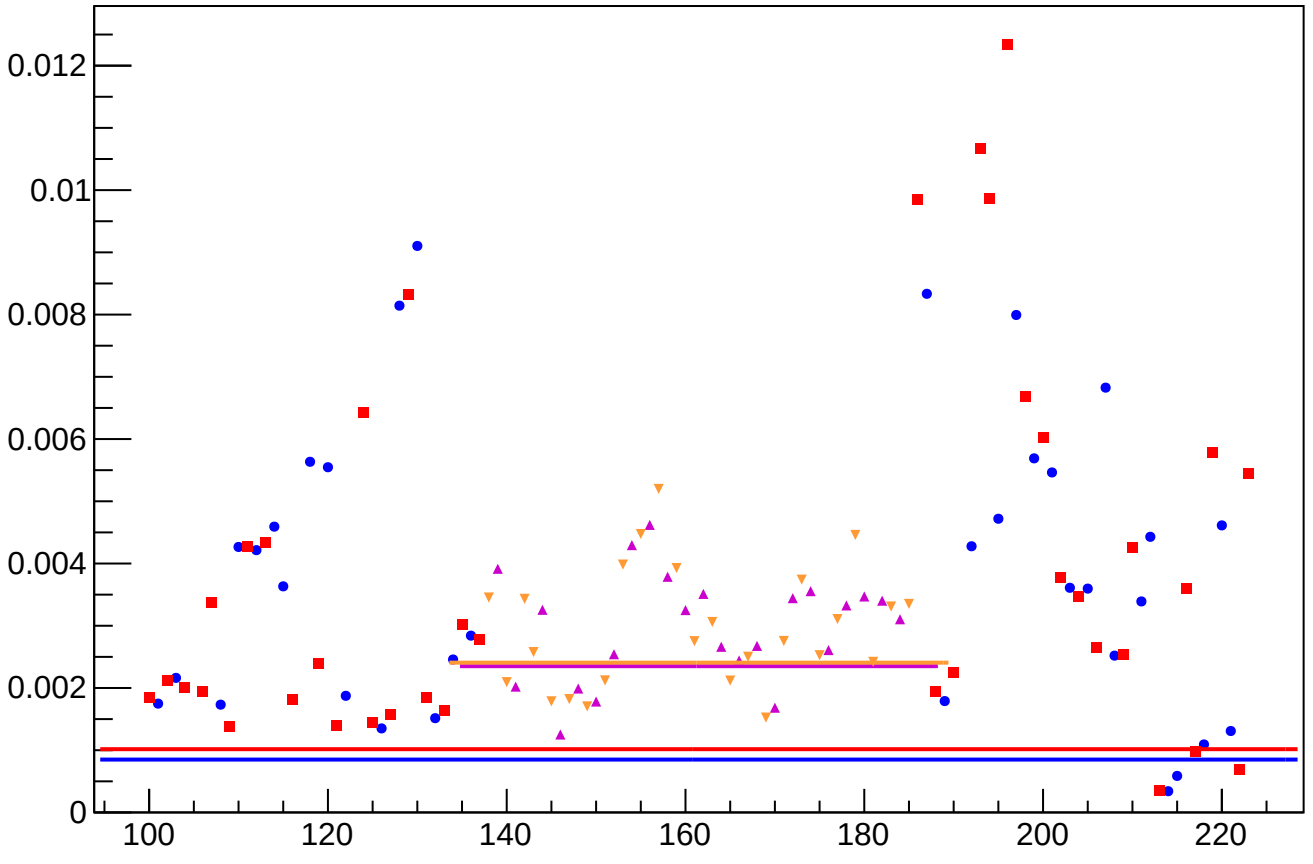
Right Out: -0.000+/-0.000 χ^2/NDF: 113.9/37

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.7/58

All: -0.000+/-0.000 χ^2/NDF: 207.4/119

- sign -0.000+/-0.000 χ^2/NDF: 127.7/60



Right In: 0.001+/-0.000 χ^2/NDF: 23791677.3/33

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

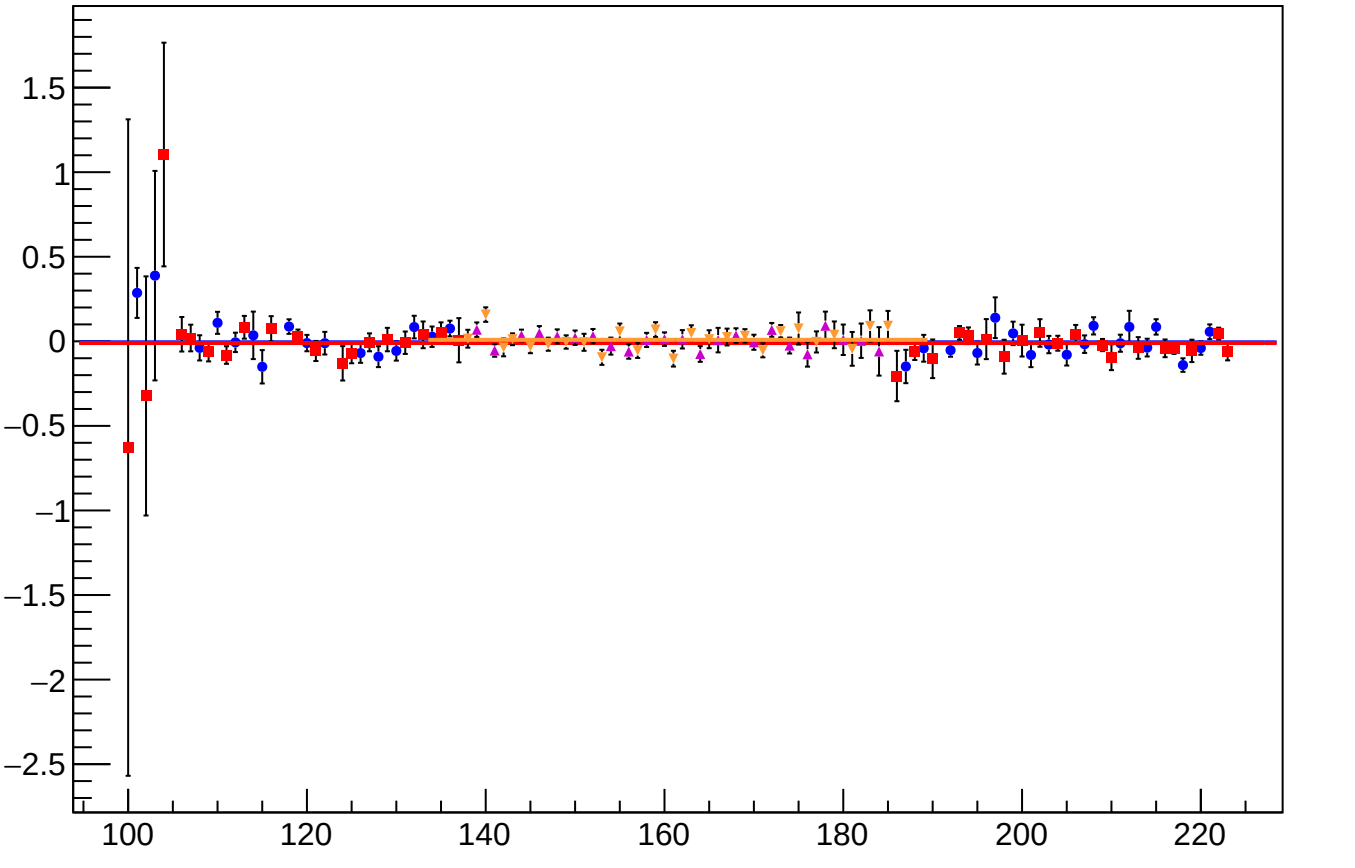
Right Out: 0.001+/-0.000 χ^2/NDF: 22077947.8/37

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

\+ sign 0.001+/-0.000 χ^2/NDF: 38735939.8/58

All: 0.001+/-0.000 χ^2/NDF: 73202400.8/119

\- sign 0.001+/-0.000 χ^2/NDF: 34094749.7/60



Right In: -0.006+/-0.010 χ^2/NDF: 55.8/33

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.4/37

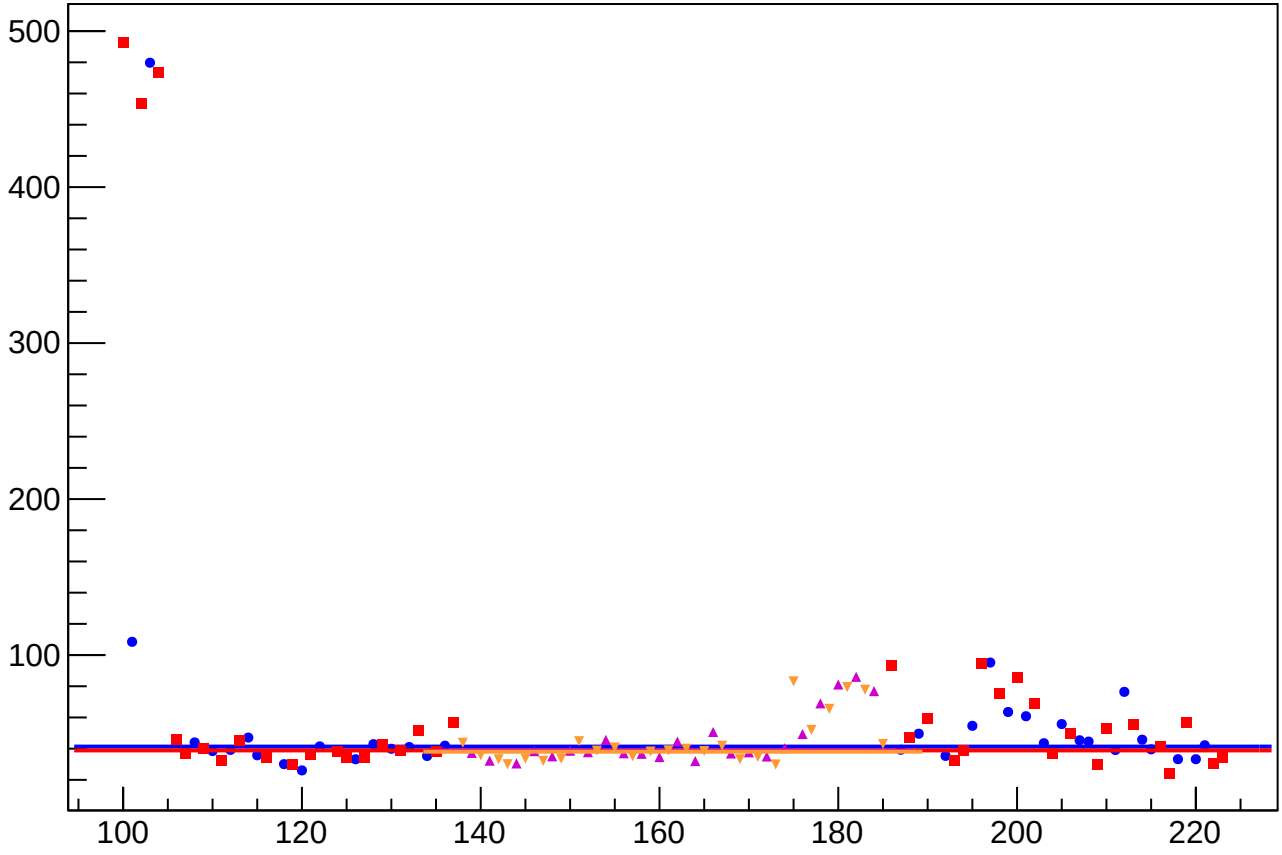
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 95.6/58

All: 0.000+/-0.005 χ^2/NDF: 146.7/119

- sign -0.001+/-0.007 χ^2/NDF: 51.0/60

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.320+/-0.007 χ^2/NDF: 3310633.1/33

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

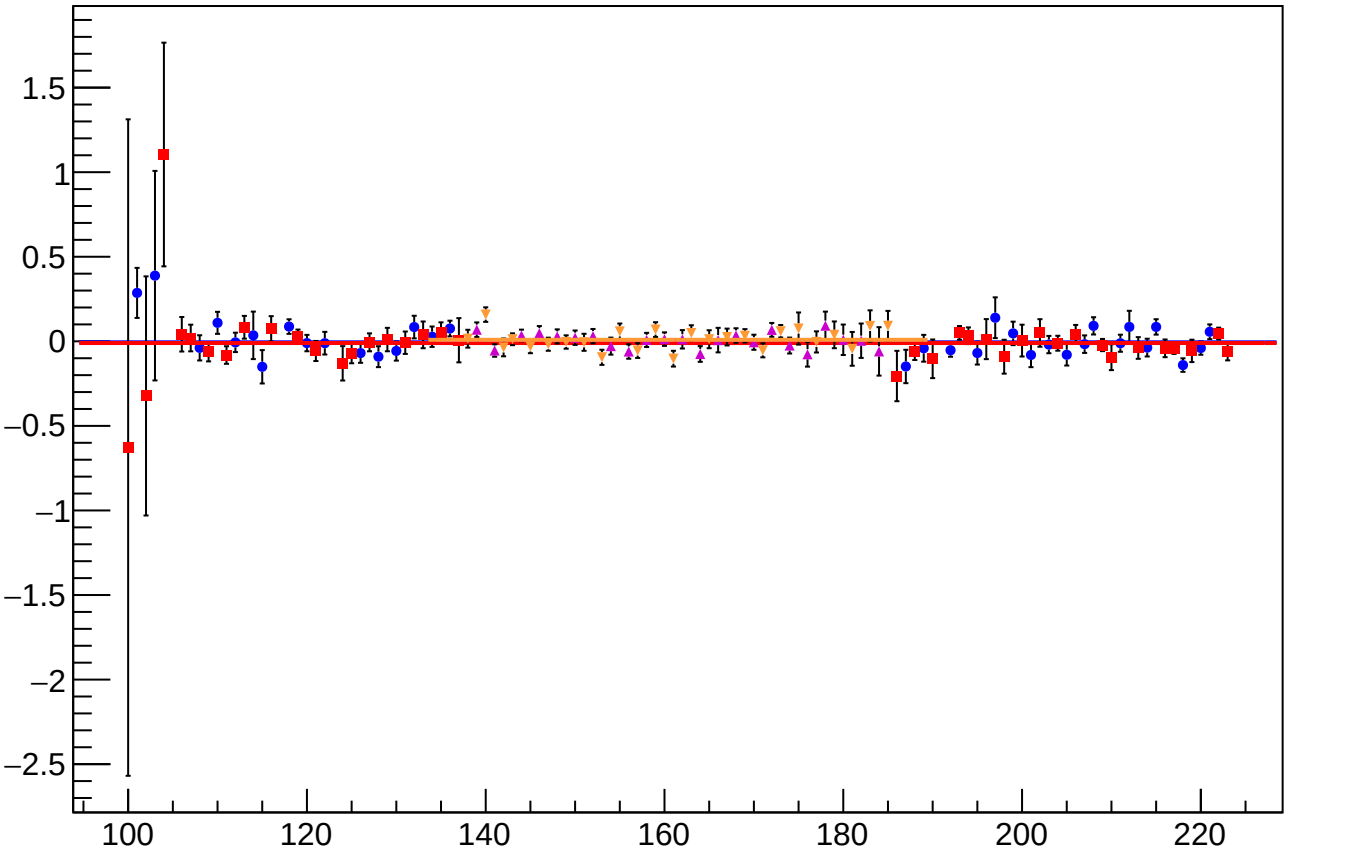
Right Out: 38.867+/-0.007 χ^2/NDF: 4987556.2/37

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.627+/-0.005 χ^2/NDF: 5388562.4/58

All: 39.191+/-0.003 χ^2/NDF: 12120451.7/119

- sign 38.751+/-0.005 χ^2/NDF: 6715844.6/60



Right In: -0.006+/-0.010 χ^2/NDF: 55.8/33

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

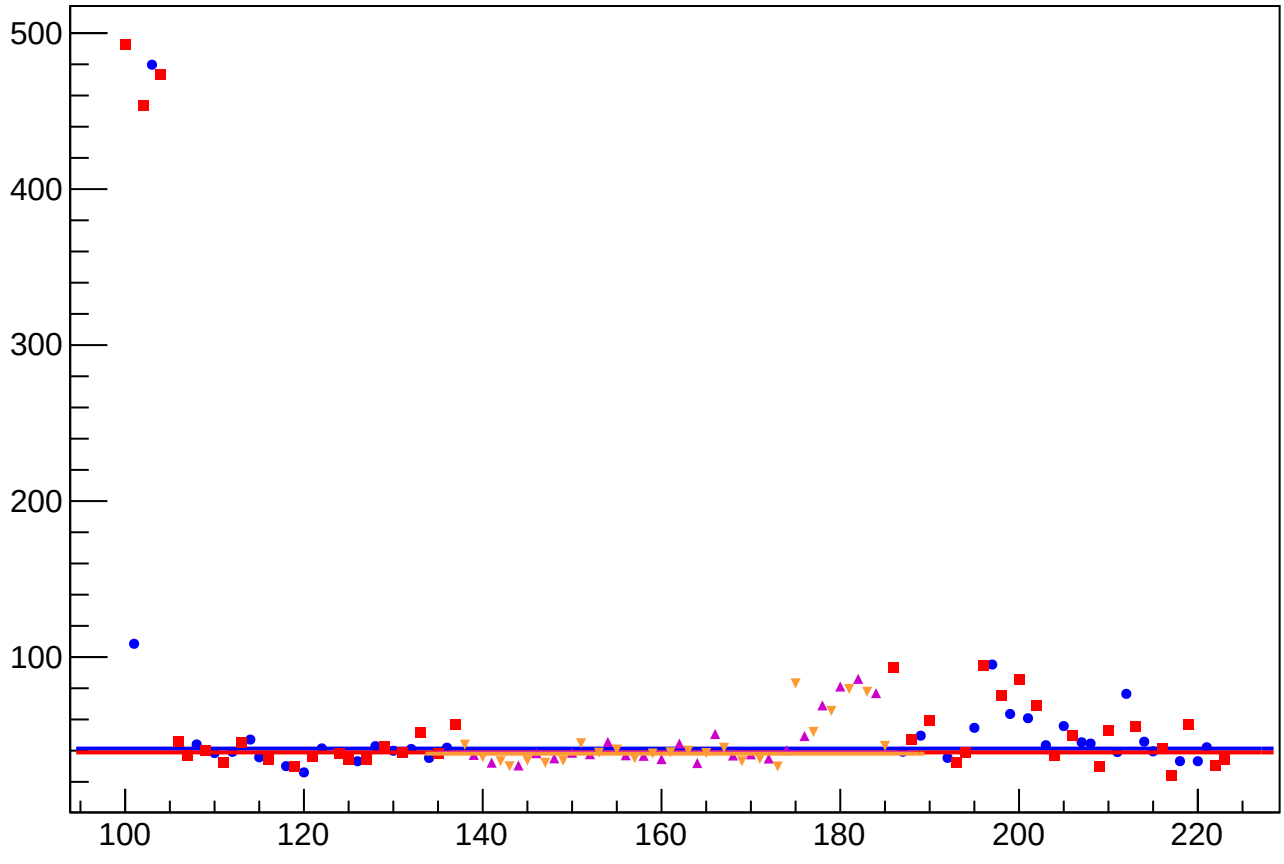
Right Out: -0.010+/-0.010 χ^2/NDF: 30.4/37

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 95.6/58

All: 0.000+/-0.005 χ^2/NDF: 146.7/119

- sign -0.001+/-0.007 χ^2/NDF: 51.0/60



Right In: 41.320+/-0.007 χ^2/NDF: 3310633.1/33

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

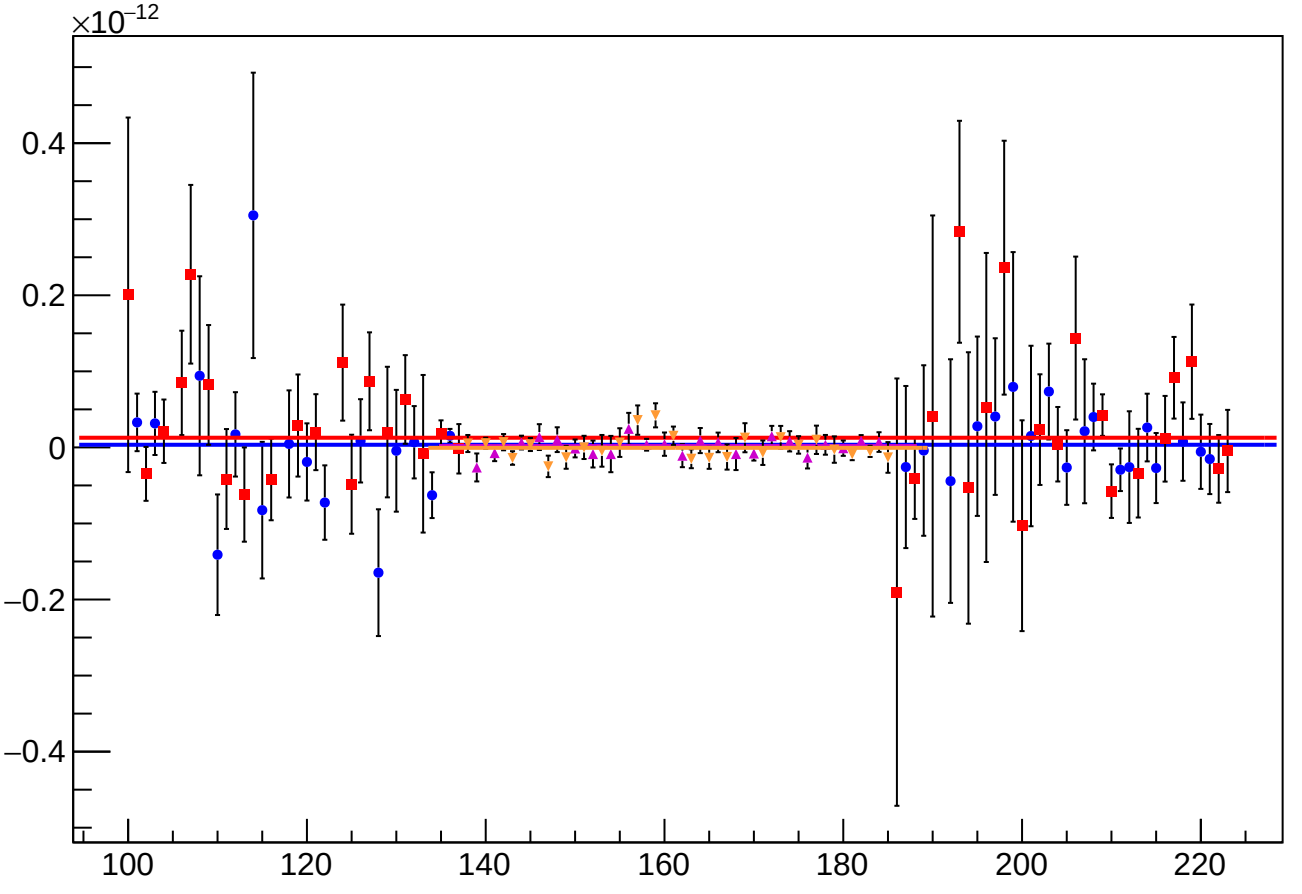
Right Out: 38.867+/-0.007 χ^2/NDF: 4987556.2/37

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.627+/-0.005 χ^2/NDF: 5388562.4/58

All: 39.191+/-0.003 χ^2/NDF: 12120451.7/119

- sign 38.751+/-0.005 χ^2/NDF: 6715844.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

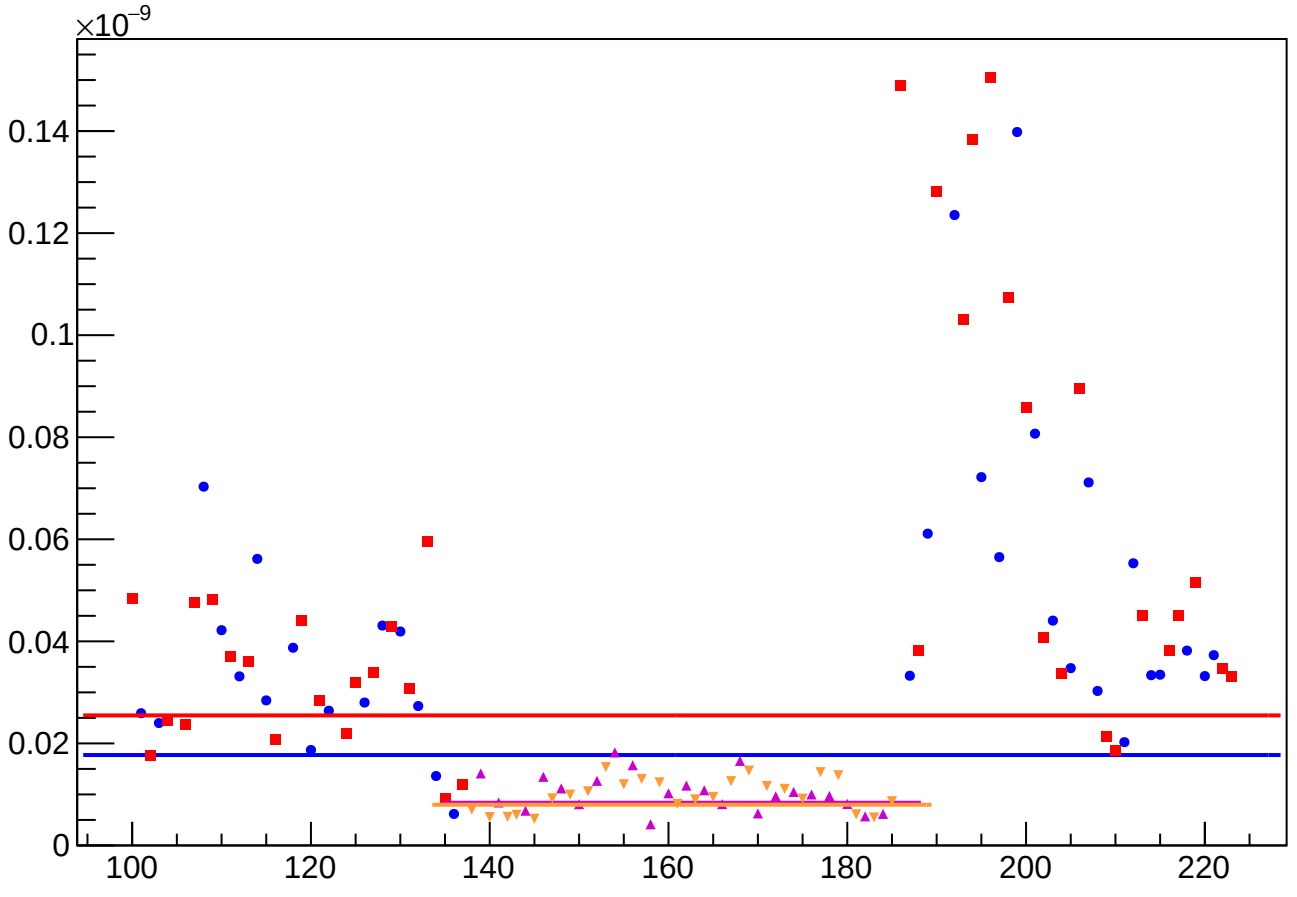
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/37

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.3/58

All: 0.000+/-0.000 χ^2/NDF: 104.0/119

- sign 0.000+/-0.000 χ^2/NDF: 49.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 11737408.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8962425.7/37

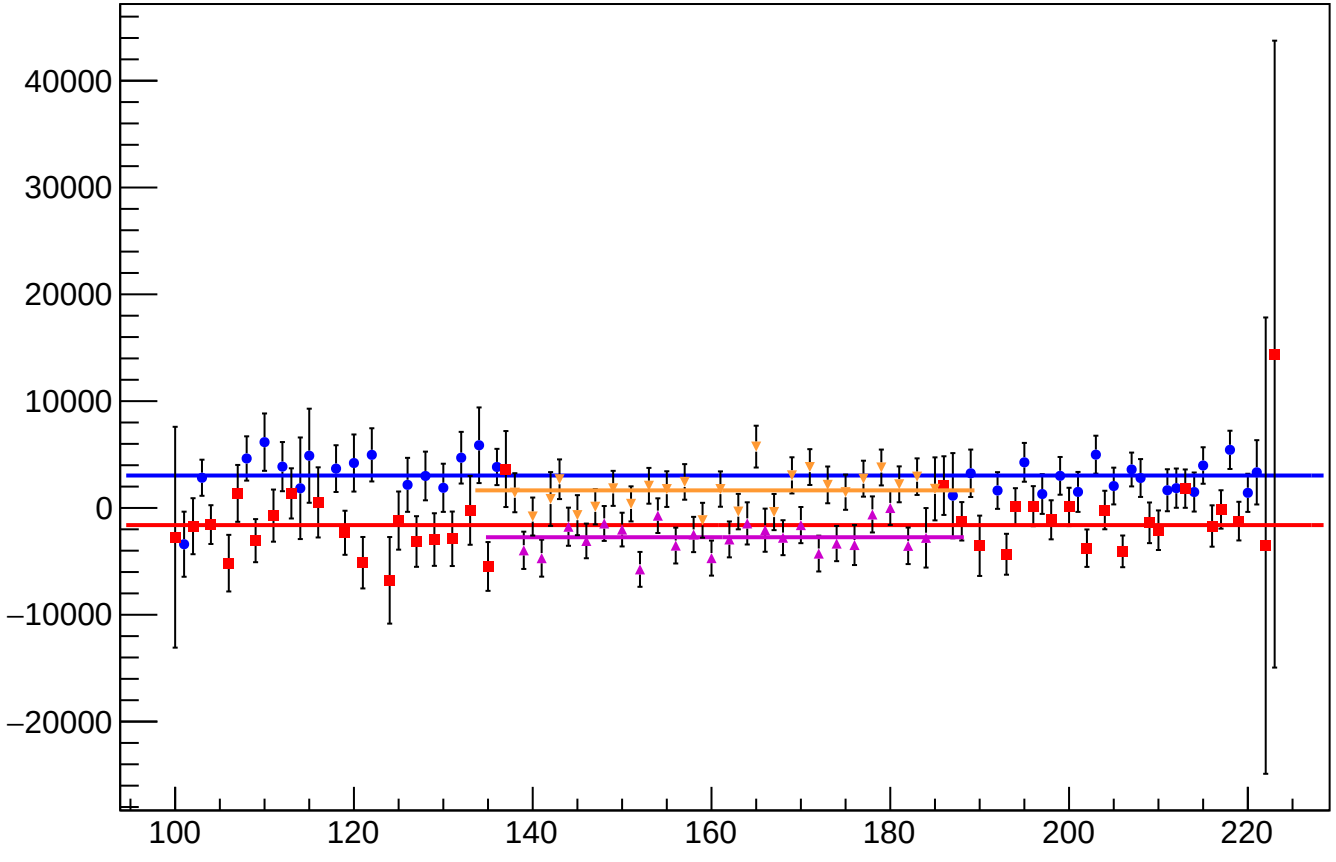
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 18418339.8/58

All: 0.000+/-0.000 χ^2/NDF: 37942856.7/119

- sign 0.000+/-0.000 χ^2/NDF: 19426187.5/60

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3036.932+/-356.384 χ^2/NDF: 18.5/33

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1605.228+/-357.961 χ^2/NDF: 32.6/37

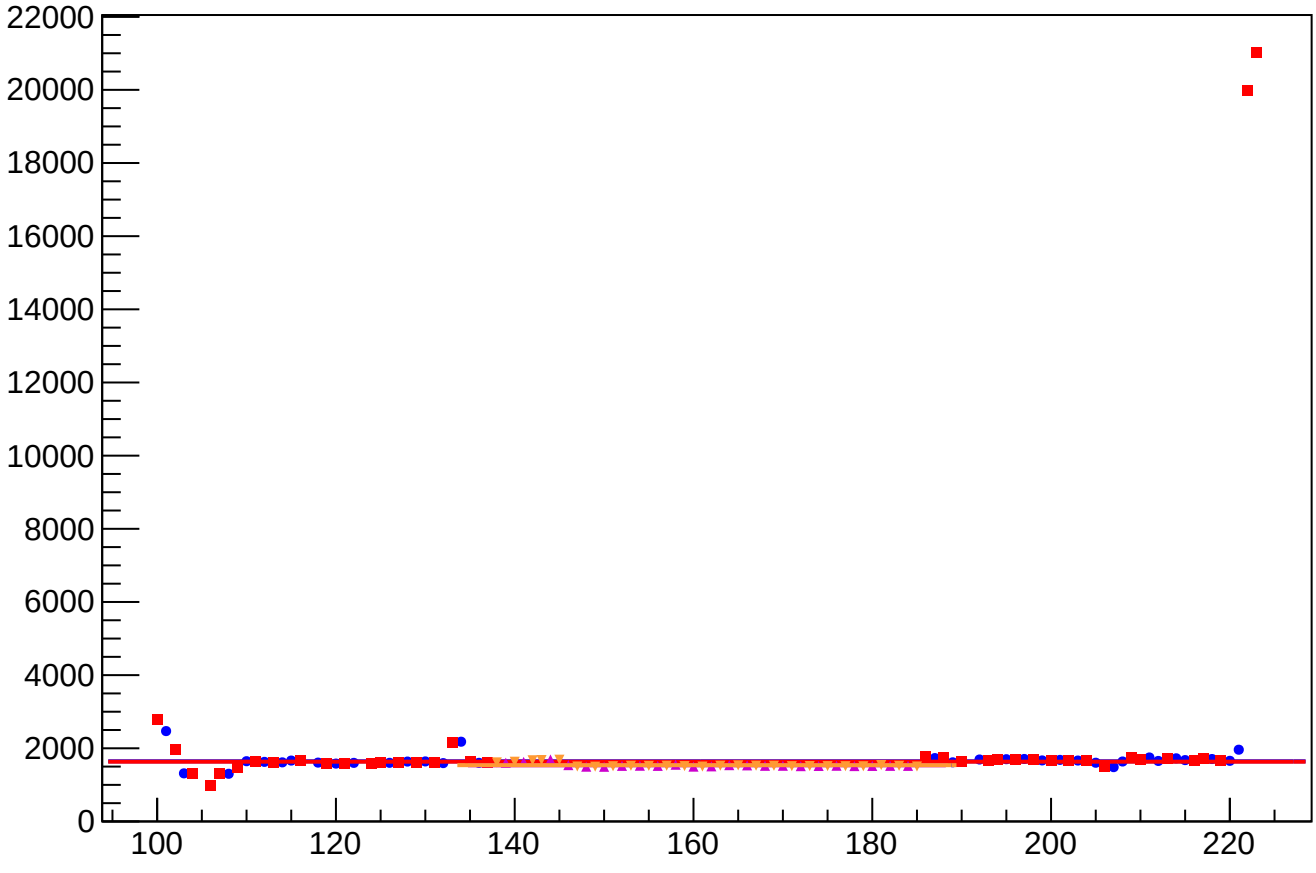
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2328.621+/-249.626 χ^2/NDF: 47.3/58

All: 110.975+/-177.794 χ^2/NDF: 261.6/119

- sign -2172.288+/-253.292 χ^2/NDF: 54.1/60

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.794+/-0.252 χ^2/NDF: 393170.0/33

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1633.952+/-0.252 χ^2/NDF: 2831299.7/37

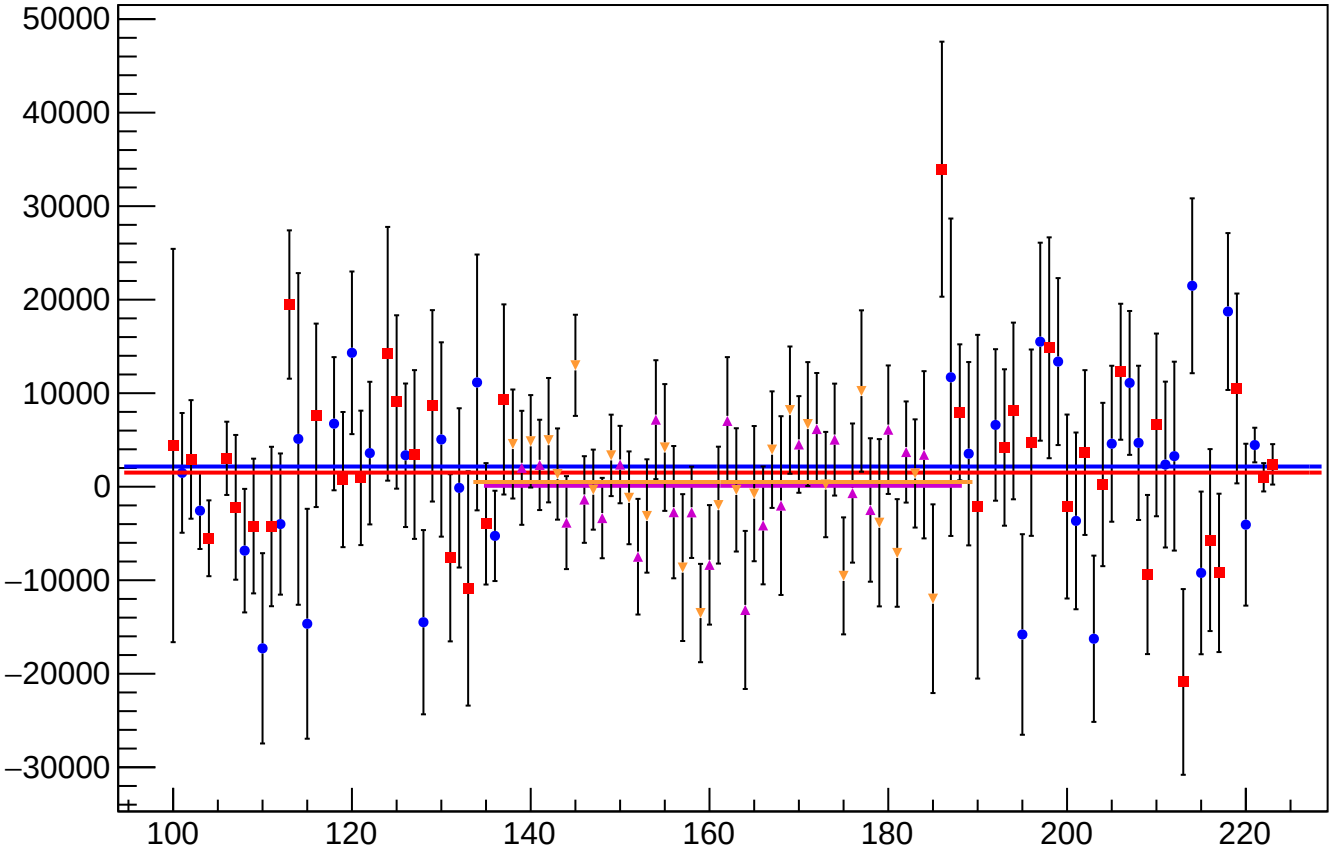
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1590.807+/-0.177 χ^2/NDF: 530324.9/58

All: 1587.771+/-0.126 χ^2/NDF: 3470731.8/11

- sign 1584.665+/-0.179 χ^2/NDF: 2939808.4/60

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 2157.966+/-1125.981 χ^2/NDF: 42.4/33

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1508.196+/-911.835 χ^2/NDF: 36.6/37

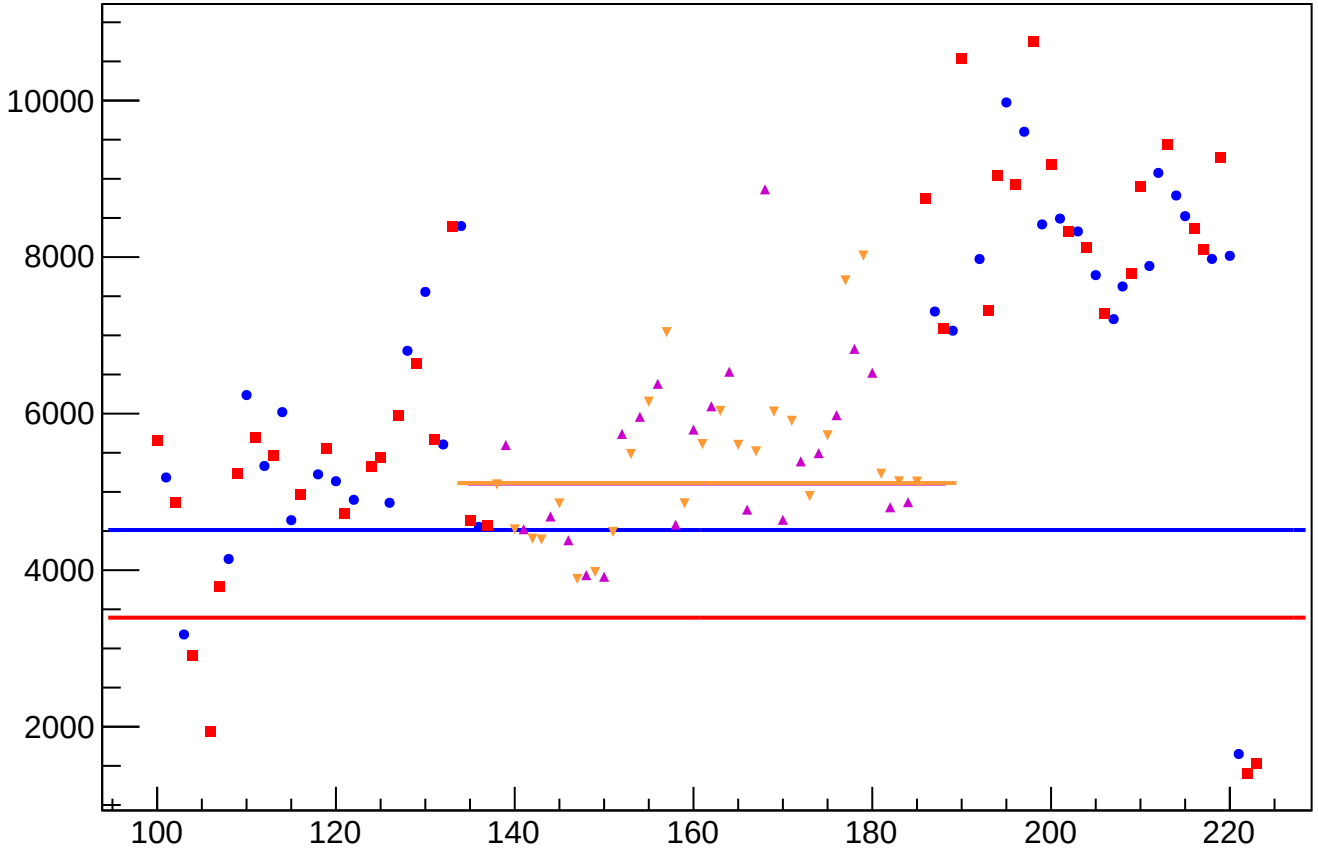
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 1374.724+/-817.008 χ^2/NDF: 70.2/58

All: 1167.127+/-544.300 χ^2/NDF: 122.7/119

\- sign 1001.457+/-729.857 χ^2/NDF: 52.3/60

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4513.439+/-0.796 χ^2/NDF: 11320112.5/33

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 3393.544+/-0.645 χ^2/NDF: 17023611.8/37

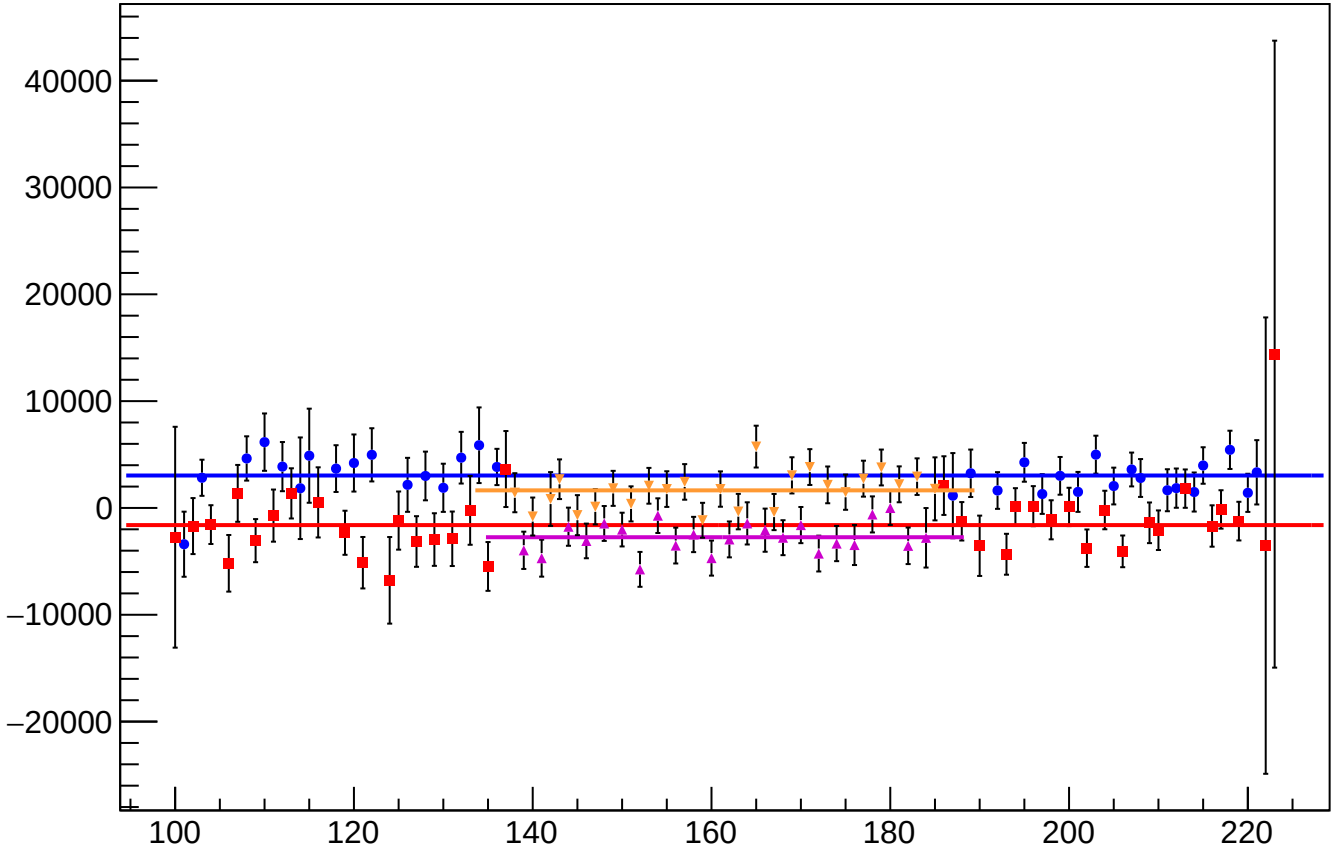
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 4797.315+/-0.578 χ^2/NDF: 12747593.0/58

All: 4358.882+/-0.385 χ^2/NDF: 34594171.9/1

- sign 4008.996+/-0.516 χ^2/NDF: 20811002.2/60

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3036.811+/-356.384 χ^2/NDF: 18.5/33

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1605.275+/-357.961 χ^2/NDF: 32.6/37

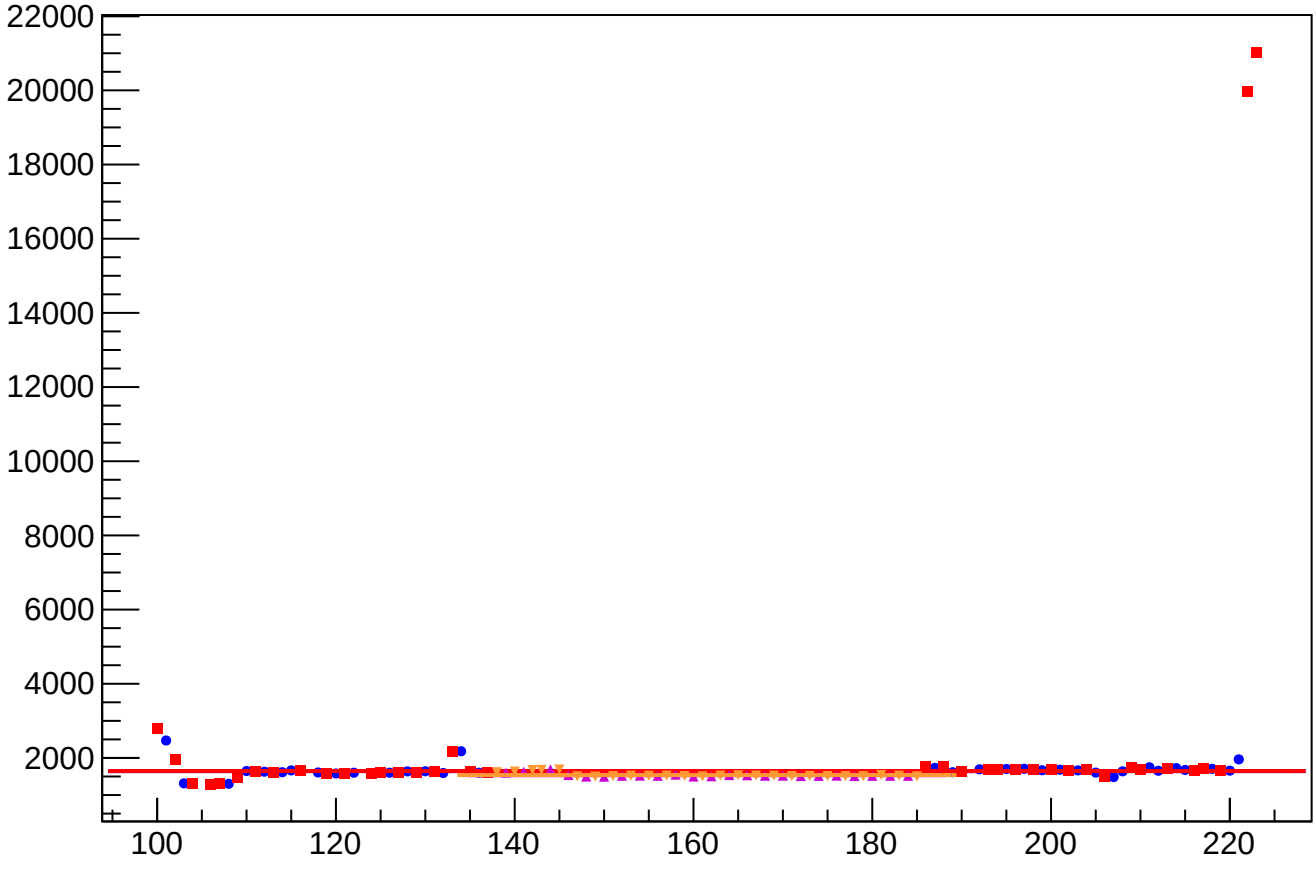
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2328.507+/-249.626 χ^2/NDF: 47.3/58

All: 110.931+/-177.794 χ^2/NDF: 261.6/119

- sign -2172.263+/-253.292 χ^2/NDF: 54.1/60

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.794+/-0.252 χ^2/NDF: 393169.0/33

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1646.414+/-0.253 χ^2/NDF: 2668145.8/37

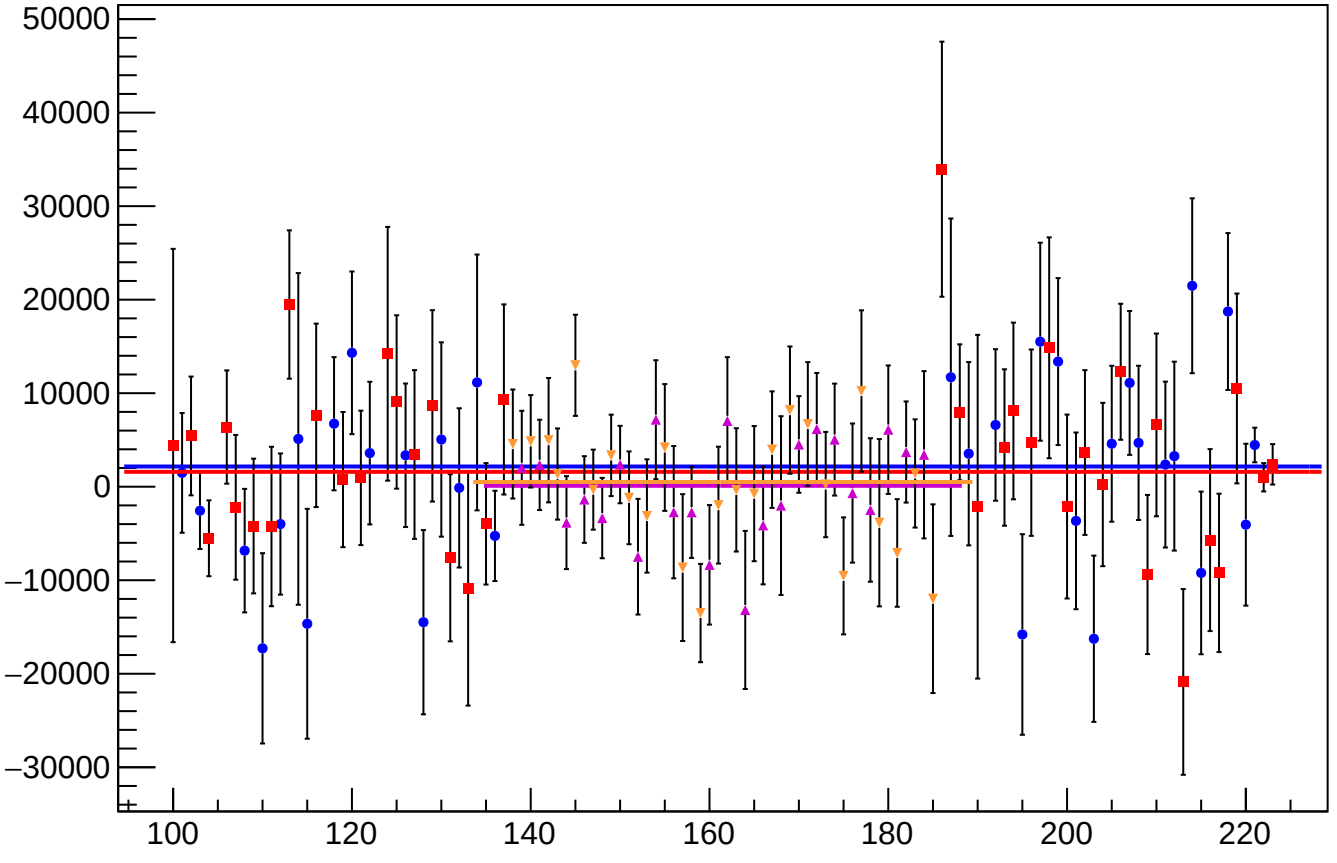
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1590.807+/-0.177 χ^2/NDF: 530324.0/58

All: 1590.741+/-0.126 χ^2/NDF: 3327143.0/11

- sign 1590.674+/-0.179 χ^2/NDF: 2796818.7/60

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 2159.257+/-1126.110 χ^2/NDF: 42.4/33

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1590.859+/-926.560 χ^2/NDF: 37.4/37

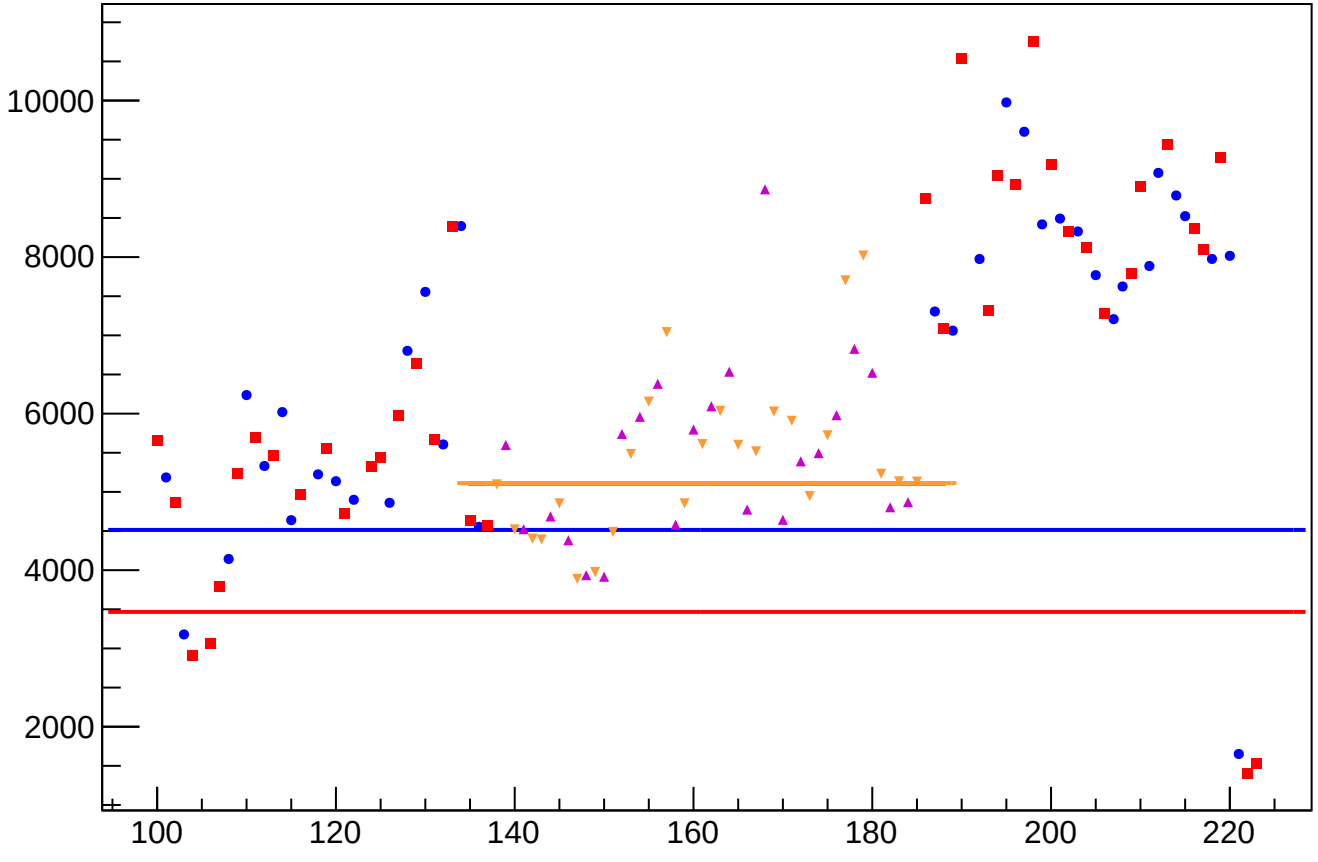
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 1375.310+/-817.057 χ^2/NDF: 70.2/58

All: 1192.359+/-547.399 χ^2/NDF: 123.5/119

\- sign 1043.364+/-737.343 χ^2/NDF: 53.2/60

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4514.311+/-0.796 χ^2/NDF: 11315281.1/33

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 3466.996+/-0.655 χ^2/NDF: 16741691.1/37

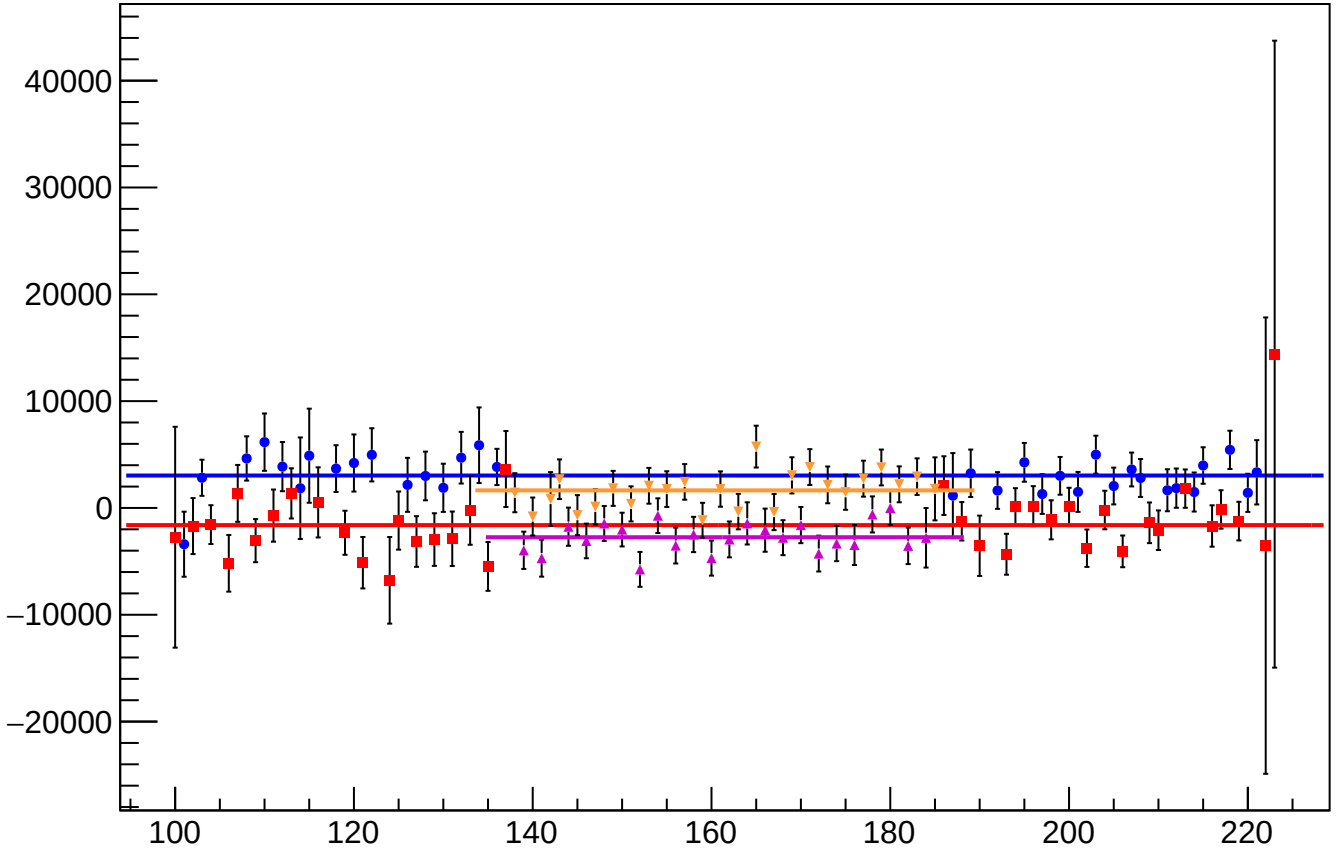
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 4797.805+/-0.578 χ^2/NDF: 12741959.3/58

All: 4395.685+/-0.387 χ^2/NDF: 33910315.3/1

- sign 4068.201+/-0.521 χ^2/NDF: 20289396.6/60

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3036.811+/-356.384 χ^2/NDF: 18.5/33

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1605.275+/-357.961 χ^2/NDF: 32.6/37

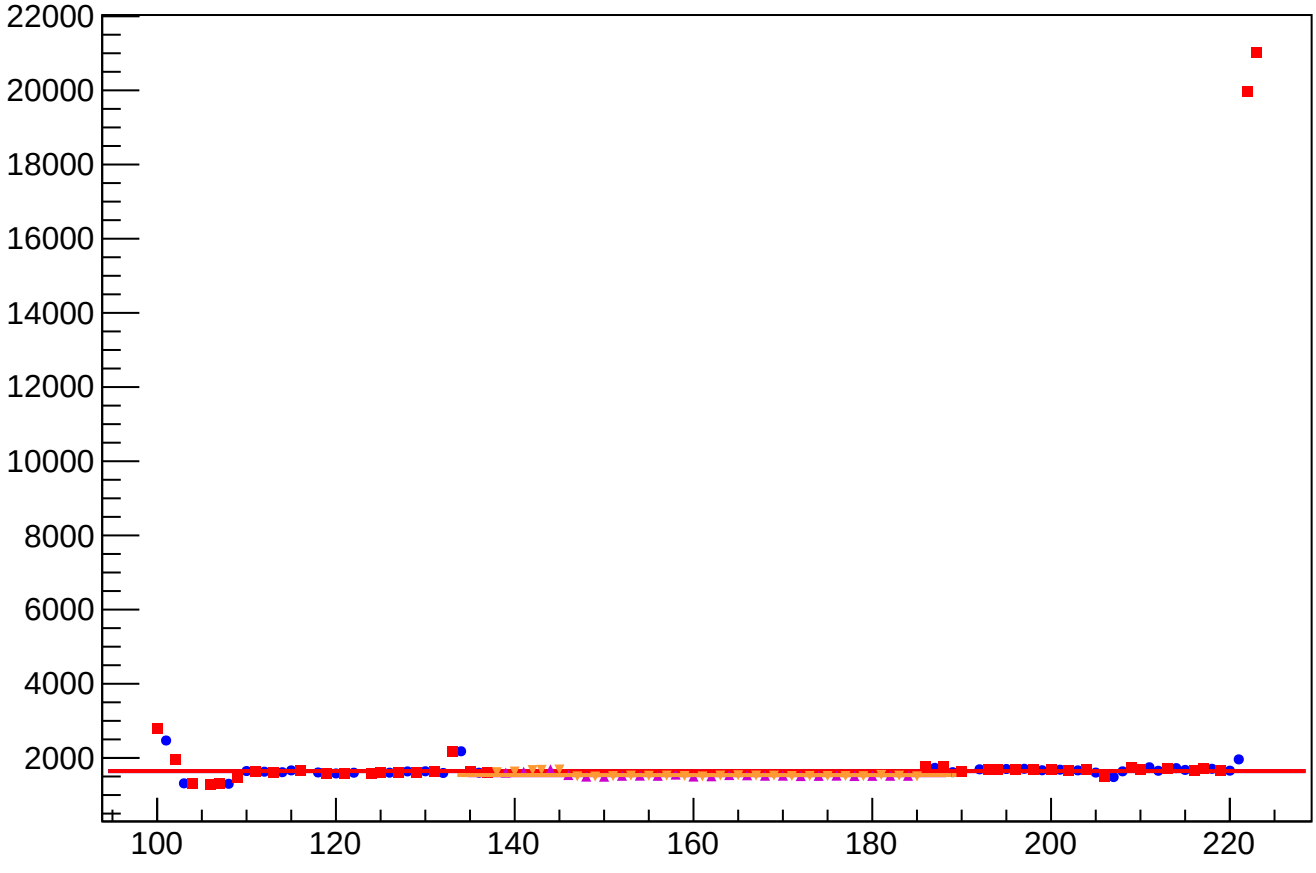
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2328.507+/-249.626 χ^2/NDF: 47.3/58

All: 110.931+/-177.794 χ^2/NDF: 261.6/119

- sign -2172.263+/-253.292 χ^2/NDF: 54.1/60

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.794+/-0.252 χ^2/NDF: 393169.0/33

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1646.414+/-0.253 χ^2/NDF: 2668145.8/37

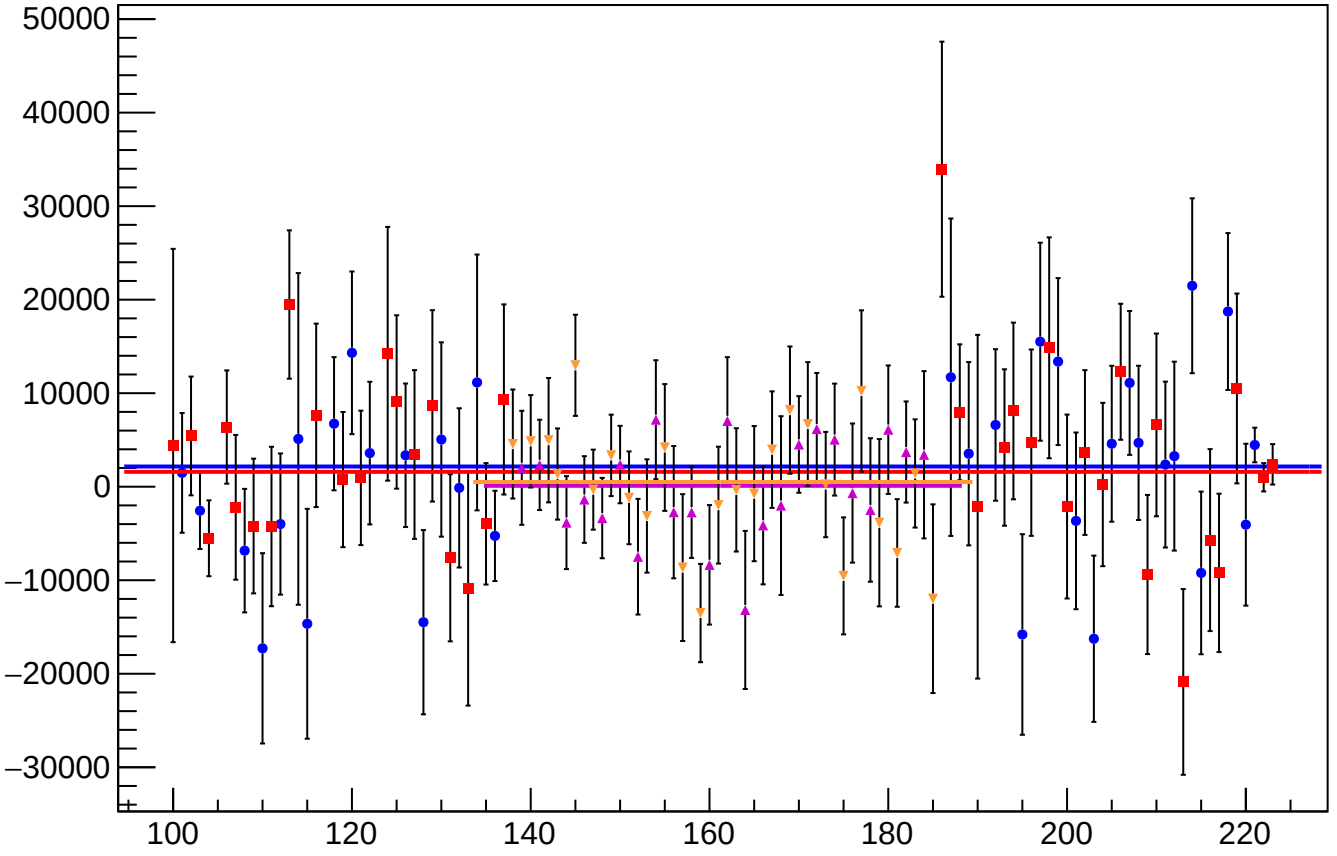
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1590.807+/-0.177 χ^2/NDF: 530324.0/58

All: 1590.741+/-0.126 χ^2/NDF: 3327143.0/11

- sign 1590.674+/-0.179 χ^2/NDF: 2796818.7/60

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: 2159.257+/-1126.110 χ^2/NDF: 42.4/33

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

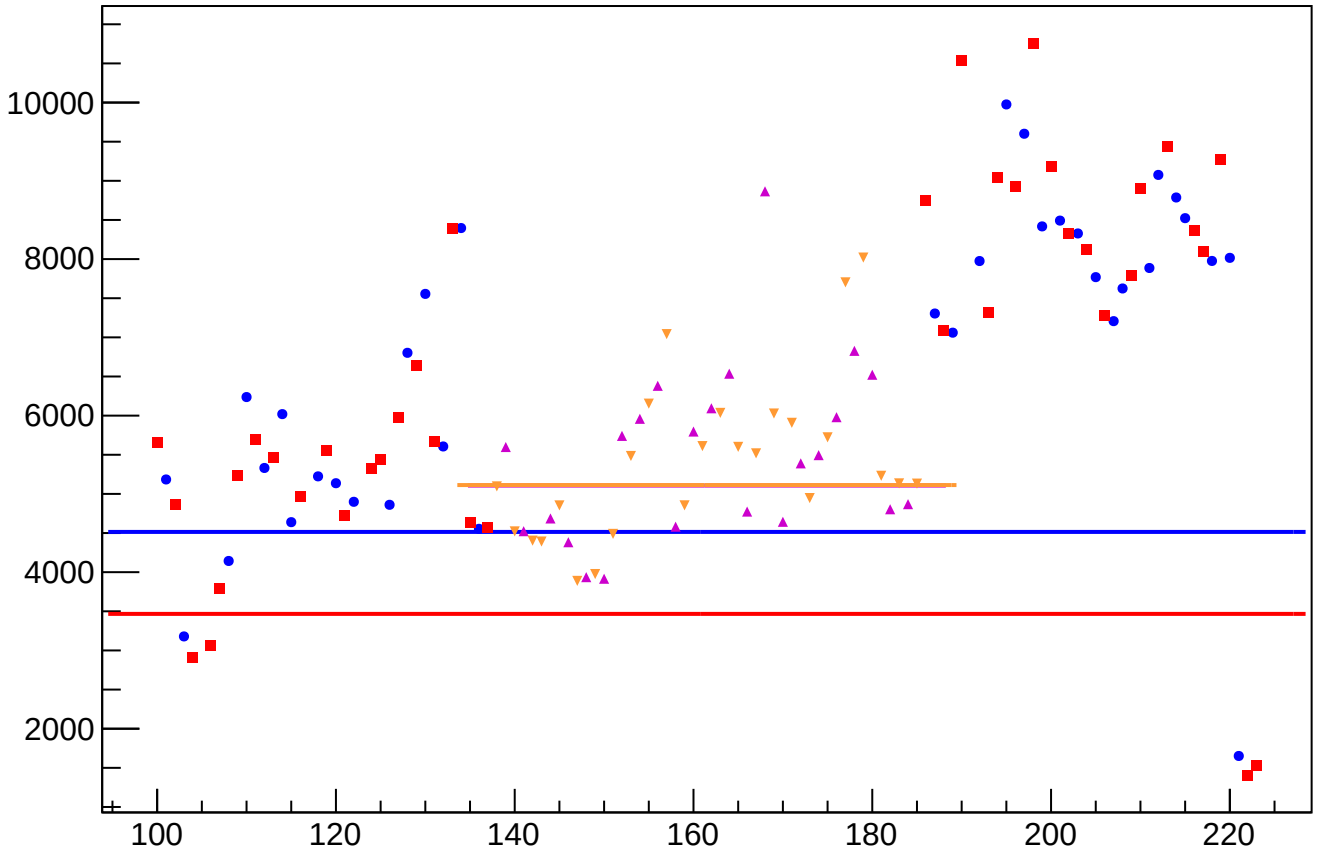
Right Out: 1590.859+/-926.560 χ^2/NDF: 37.4/37

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 1375.310+/-817.057 χ^2/NDF: 70.2/58

All: 1192.359+/-547.399 χ^2/NDF: 123.5/119

\- sign 1043.364+/-737.343 χ^2/NDF: 53.2/60



Right In: 4514.311+/-0.796 χ^2/NDF: 11315281.1/33

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 3466.996+/-0.655 χ^2/NDF: 16741691.1/37

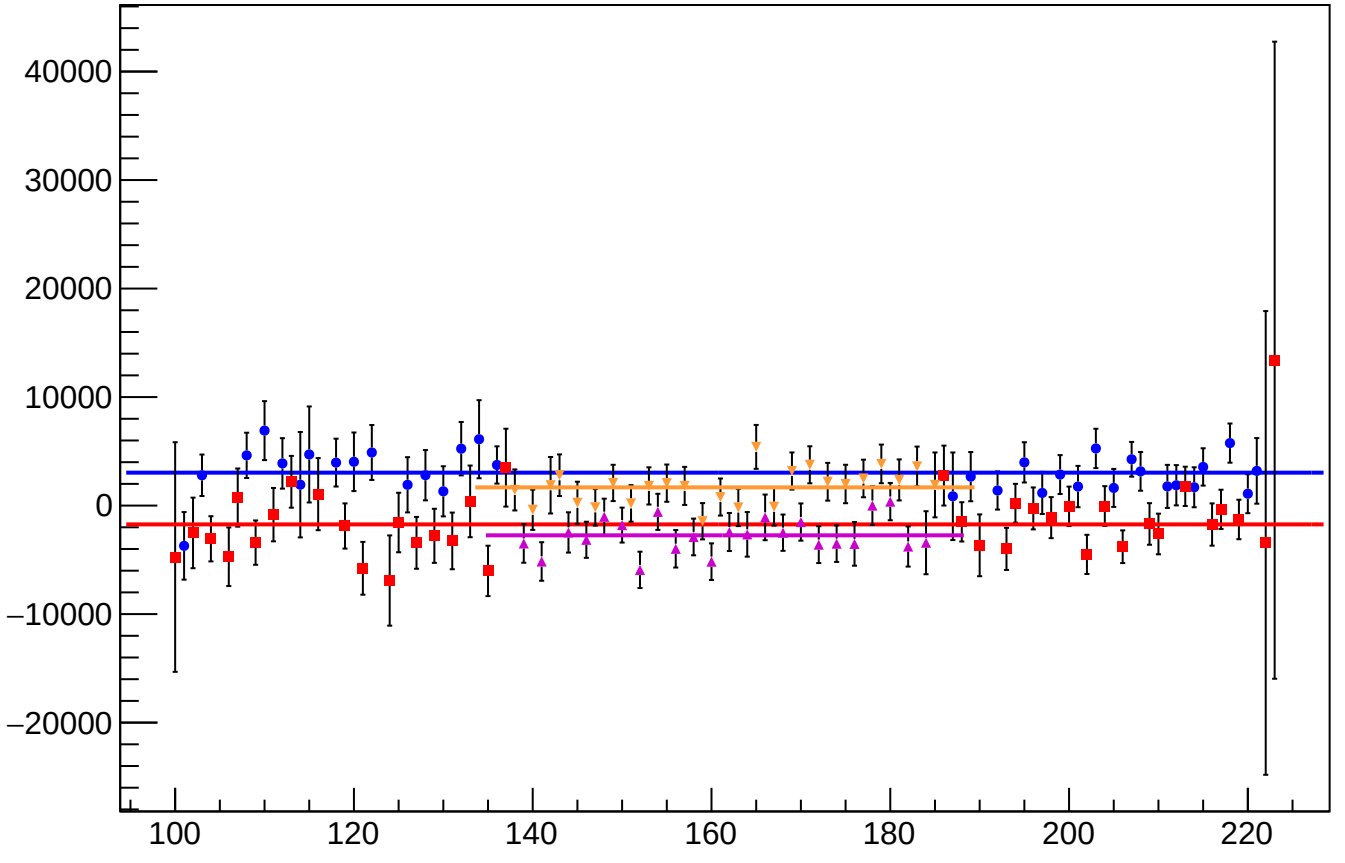
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 4797.805+/-0.578 χ^2/NDF: 12741959.3/58

All: 4395.685+/-0.387 χ^2/NDF: 33910315.3/1

- sign 4068.201+/-0.521 χ^2/NDF: 20289396.6/60

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3034.475+/-362.955 χ^2/NDF: 21.5/33

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1733.912+/-365.669 χ^2/NDF: 35.3/37

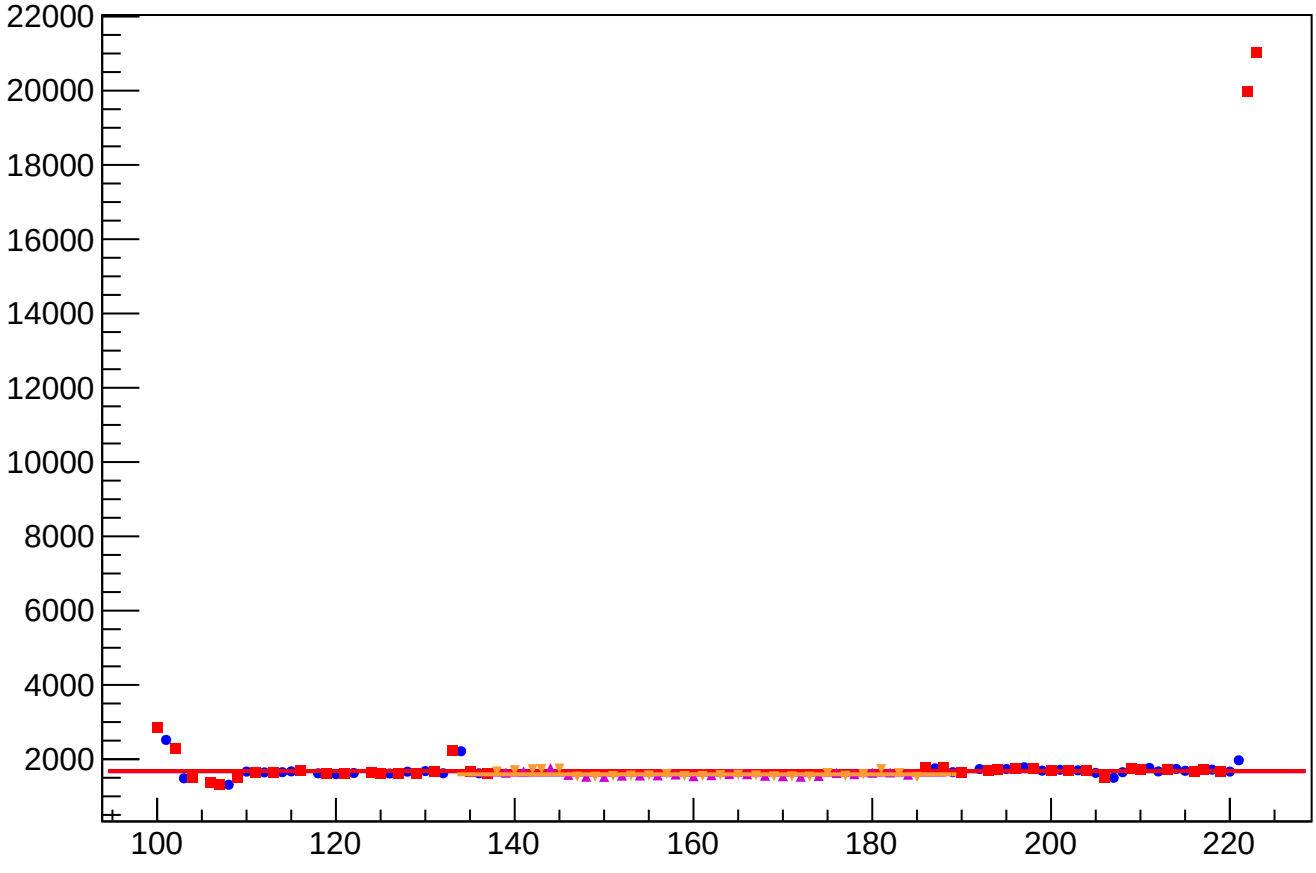
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2355.765+/-256.449 χ^2/NDF: 47.4/58

All: 96.743+/-182.681 χ^2/NDF: 263.1/119

- sign -2230.541+/-260.294 χ^2/NDF: 58.2/60

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1675.826+/-0.257 χ^2/NDF: 345502.7/33

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1681.260+/-0.258 χ^2/NDF: 2635985.1/37

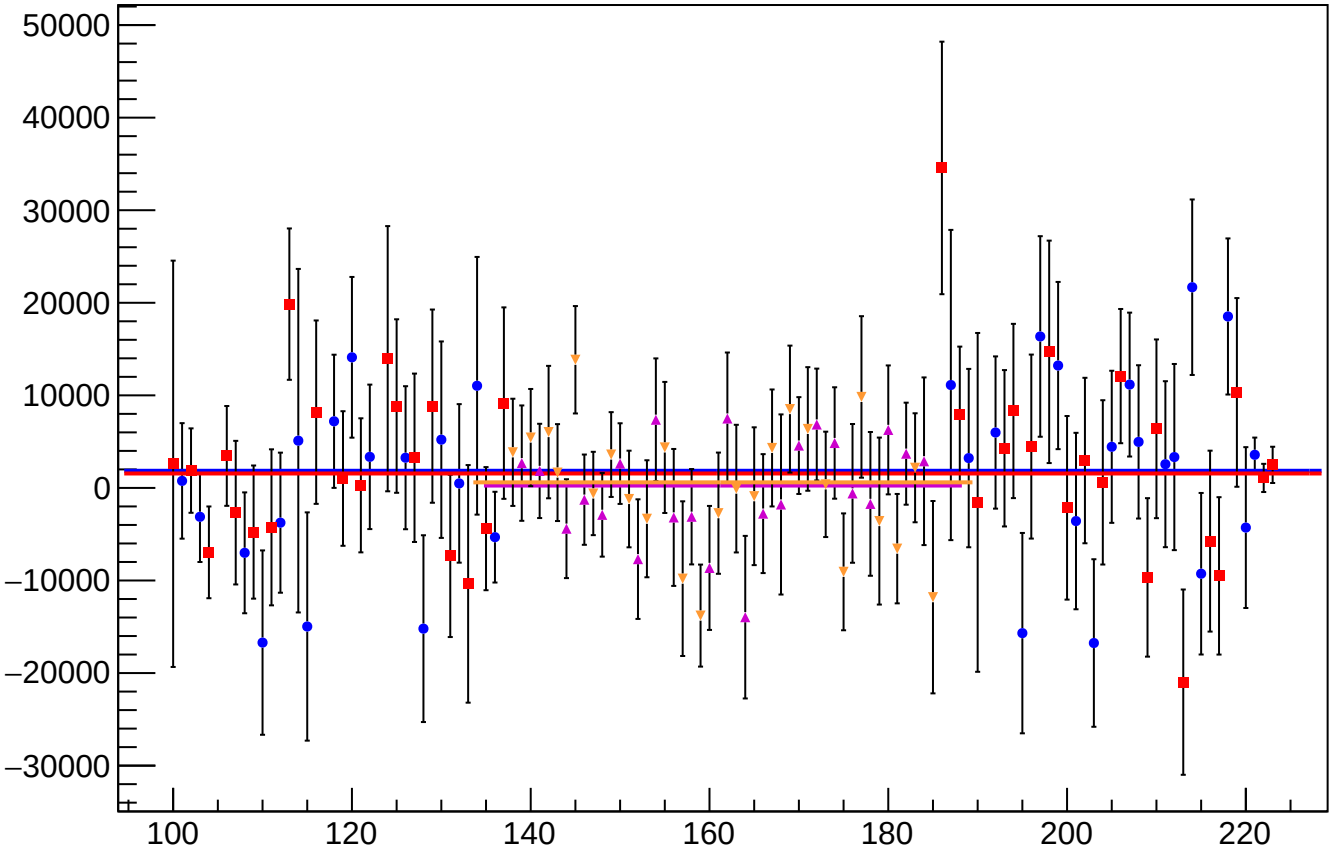
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1634.543+/-0.181 χ^2/NDF: 469047.9/58

All: 1634.395+/-0.129 χ^2/NDF: 3214040.2/11

- sign 1634.243+/-0.184 χ^2/NDF: 2744991.0/60

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: 1851.425+/-1144.289 χ^2/NDF: 41.1/33

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1559.719+/-908.474 χ^2/NDF: 36.4/37

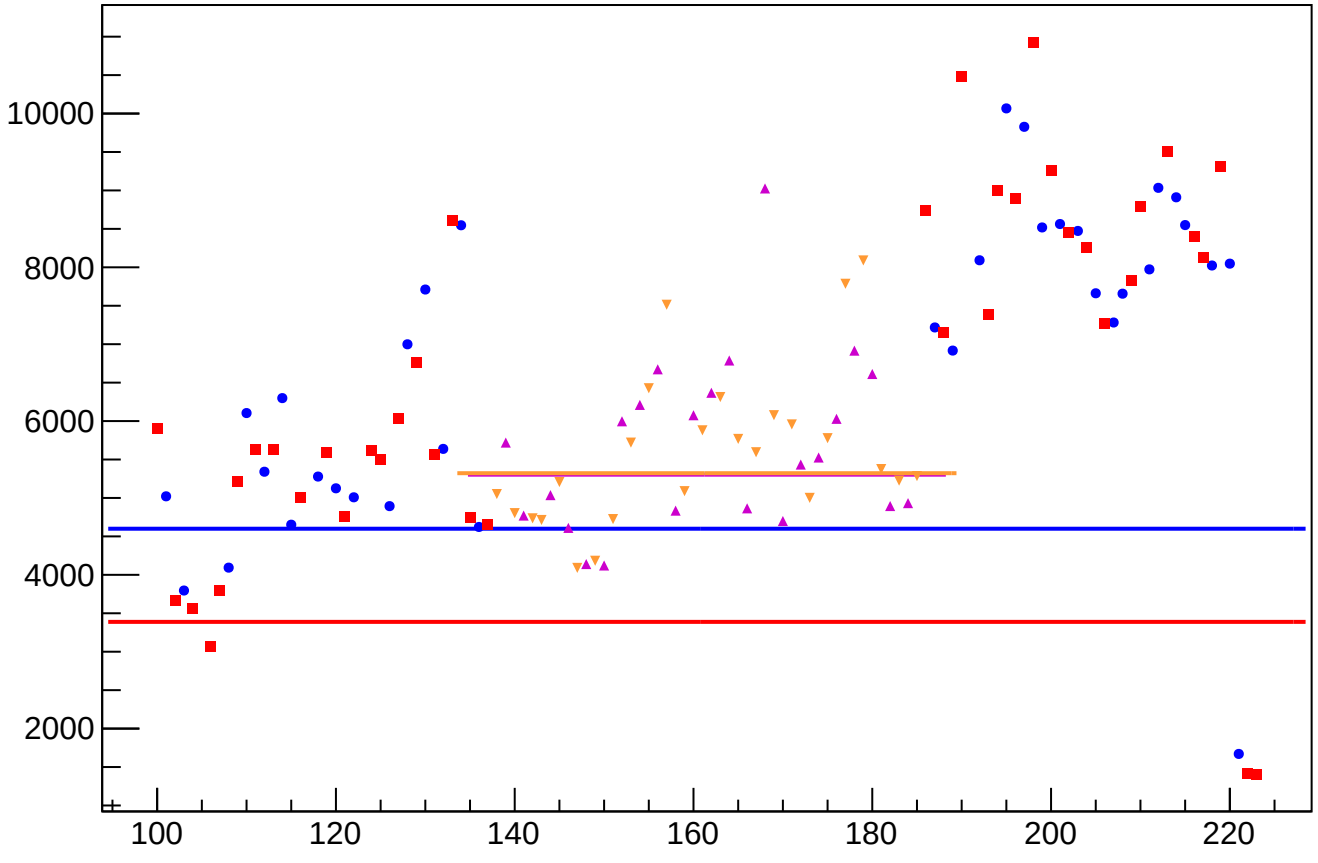
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 1273.470+/-838.920 χ^2/NDF: 67.7/58

All: 1184.057+/-553.865 χ^2/NDF: 119.5/119

- sign 1114.970+/-737.425 χ^2/NDF: 51.8/60

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 4599.764+/-0.809 χ^2/NDF: 11147000.3/33

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 3388.120+/-0.642 χ^2/NDF: 17231196.0/37

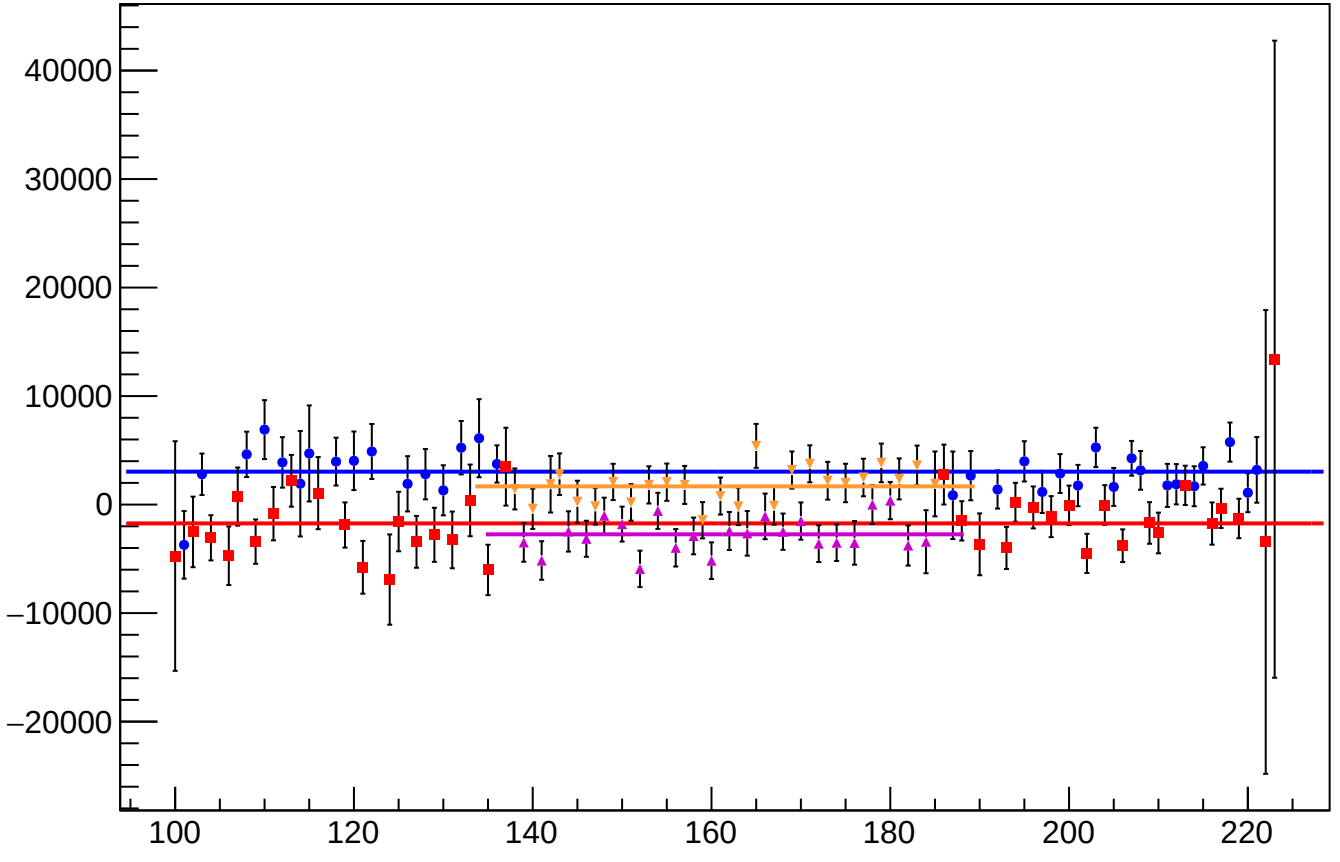
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 4933.785+/-0.593 χ^2/NDF: 12552465.1/58

All: 4430.294+/-0.392 χ^2/NDF: 35243597.4/1

- sign 4041.261+/-0.521 χ^2/NDF: 21414102.5/60

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3034.469+/-362.955 χ^2/NDF: 21.5/33

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1733.916+/-365.669 χ^2/NDF: 35.3/37

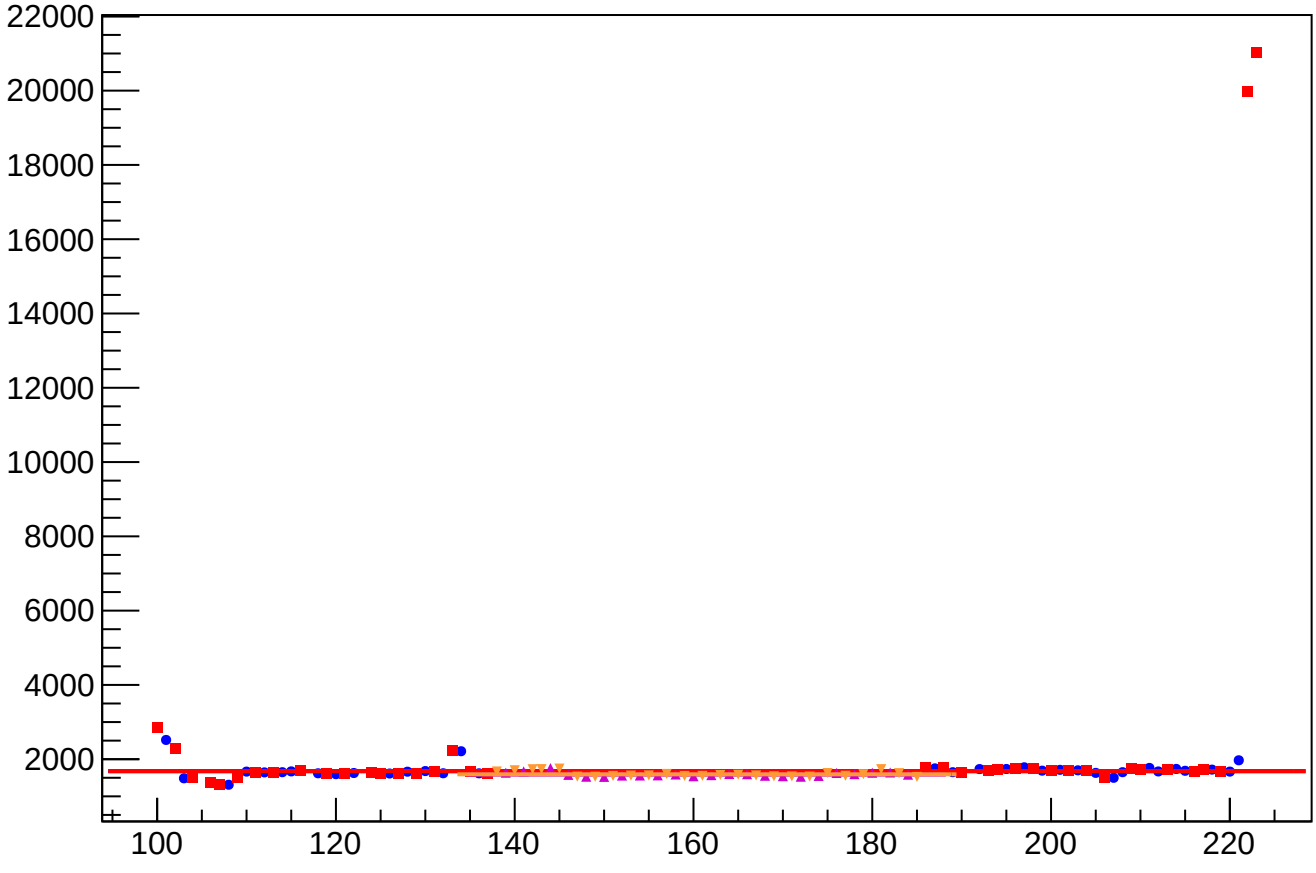
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2355.759+/-256.449 χ^2/NDF: 47.4/58

All: 96.739+/-182.681 χ^2/NDF: 263.1/119

- sign -2230.543+/-260.294 χ^2/NDF: 58.2/60

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1675.826+/-0.257 χ^2/NDF: 345503.1/33

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

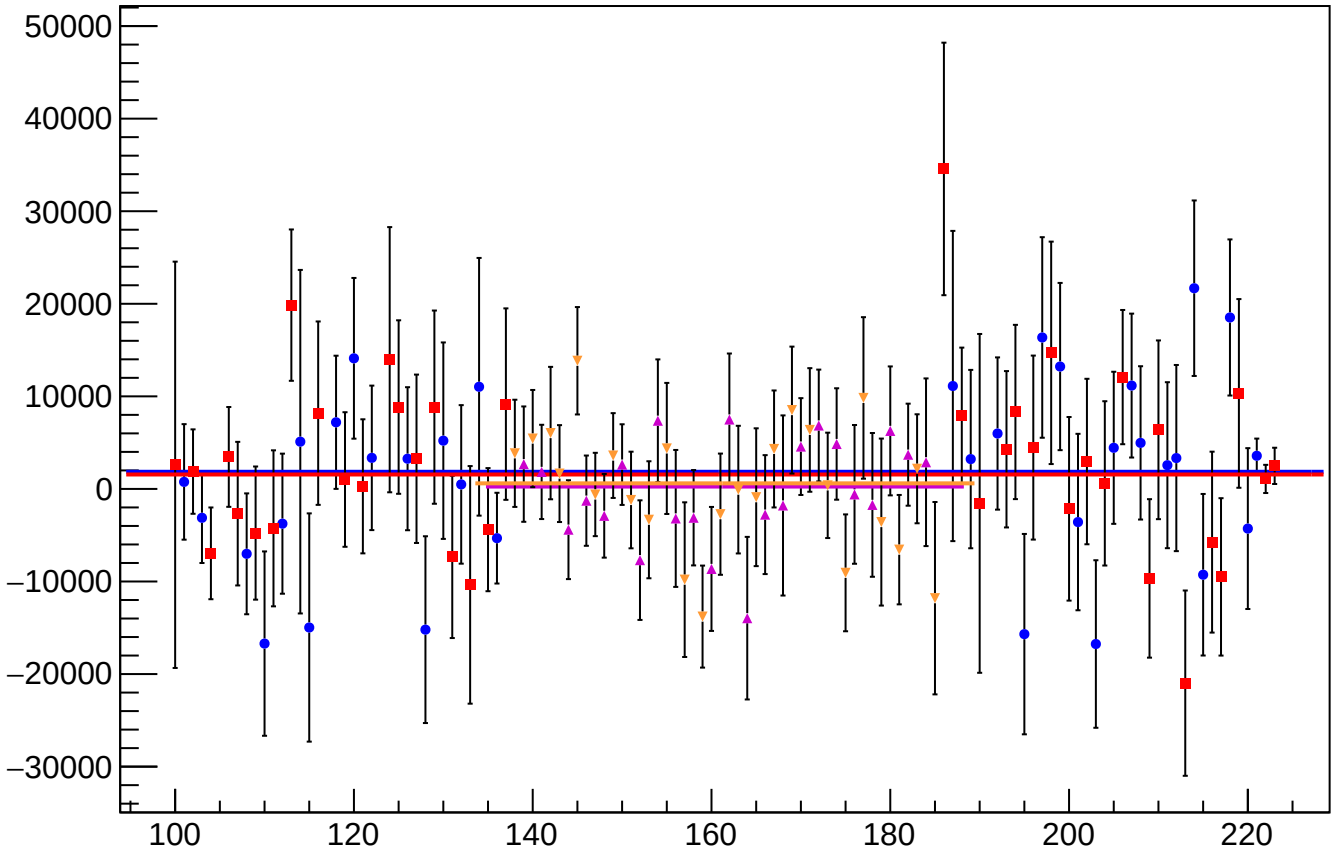
Right Out: 1681.259+/-0.258 χ^2/NDF: 2635985.2/37

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1634.543+/-0.181 χ^2/NDF: 469046.7/58

All: 1634.395+/-0.129 χ^2/NDF: 3214037.4/11

- sign 1634.244+/-0.184 χ^2/NDF: 2744989.4/60



Right In: 1851.424+/-1144.289 χ^2/NDF: 41.1/33

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

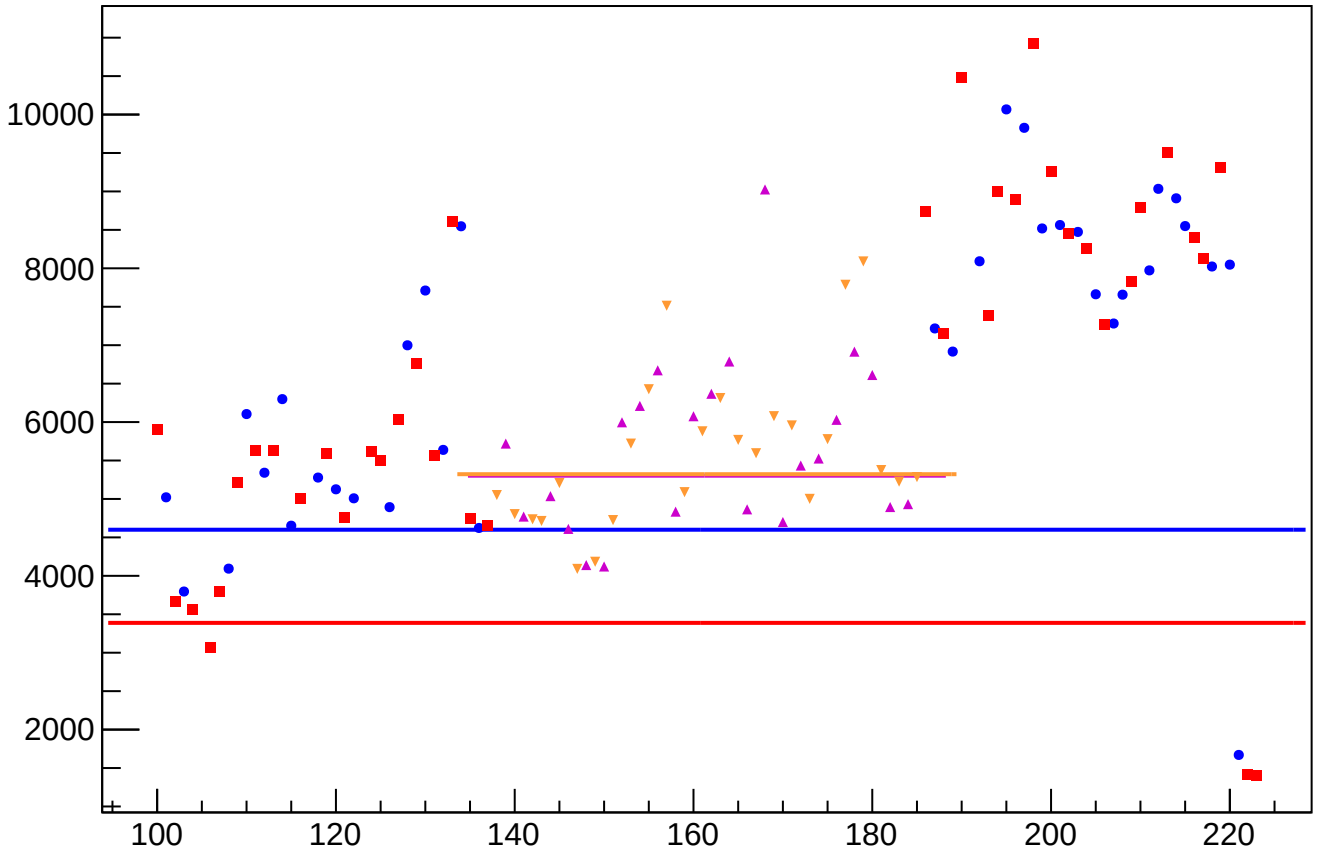
Right Out: 1559.717+/-908.475 χ^2/NDF: 36.4/37

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 1273.469+/-838.921 χ^2/NDF: 67.7/58

All: 1184.056+/-553.865 χ^2/NDF: 119.5/119

\- sign 1114.970+/-737.426 χ^2/NDF: 51.8/60



Right In: 4599.762+/-0.809 χ^2/NDF: 11147012.3/33

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 3388.124+/-0.642 χ^2/NDF: 17231171.2/37

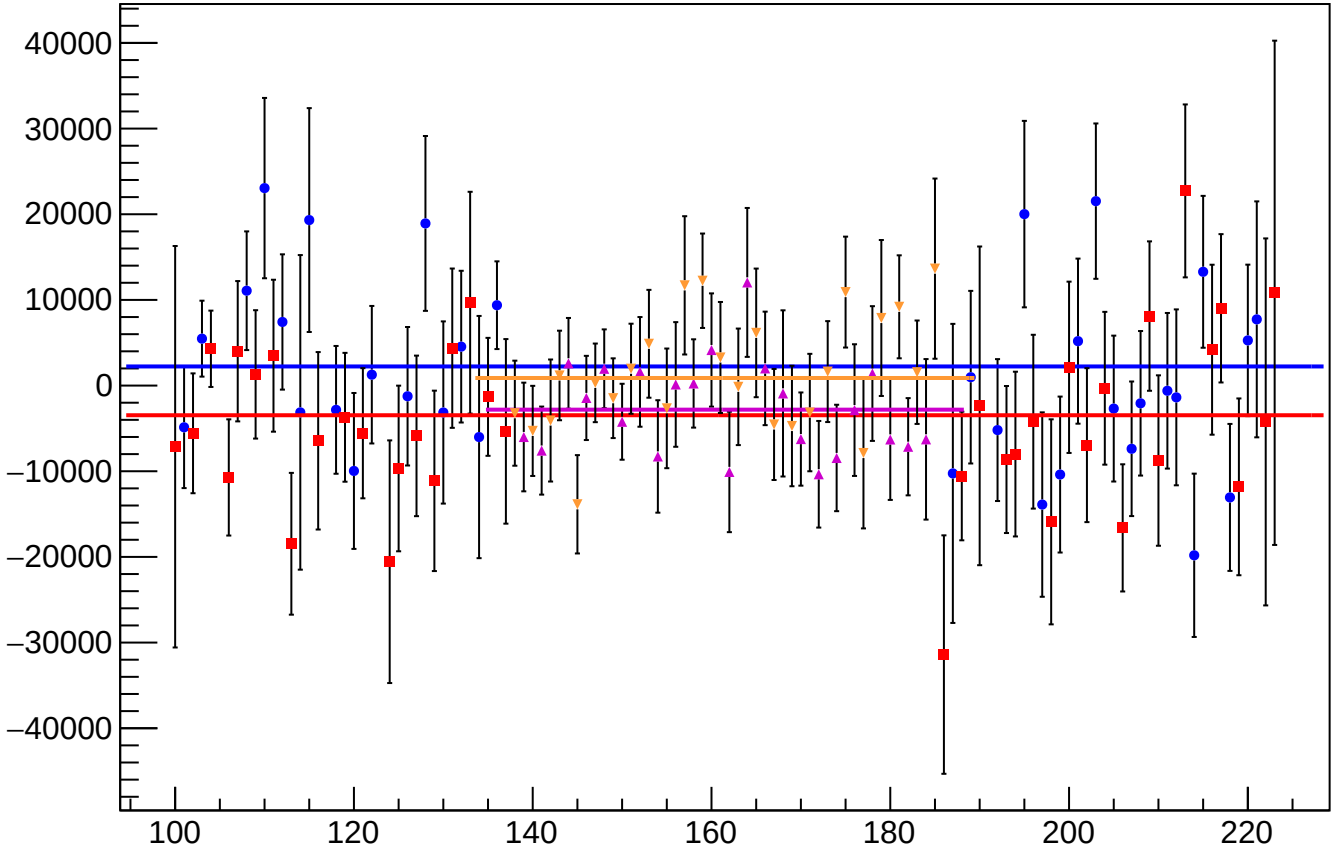
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 4933.788+/-0.593 χ^2/NDF: 12552490.8/58

All: 4430.297+/-0.392 χ^2/NDF: 35243604.4/1

- sign 4041.265+/-0.521 χ^2/NDF: 21414091.3/60

asym_usr_atr2_avg_mean vs Slug



Right In: 2233.065+/-1471.960 χ^2/NDF: 42.5/33

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3462.526+/-1456.506 χ^2/NDF: 36.6/37

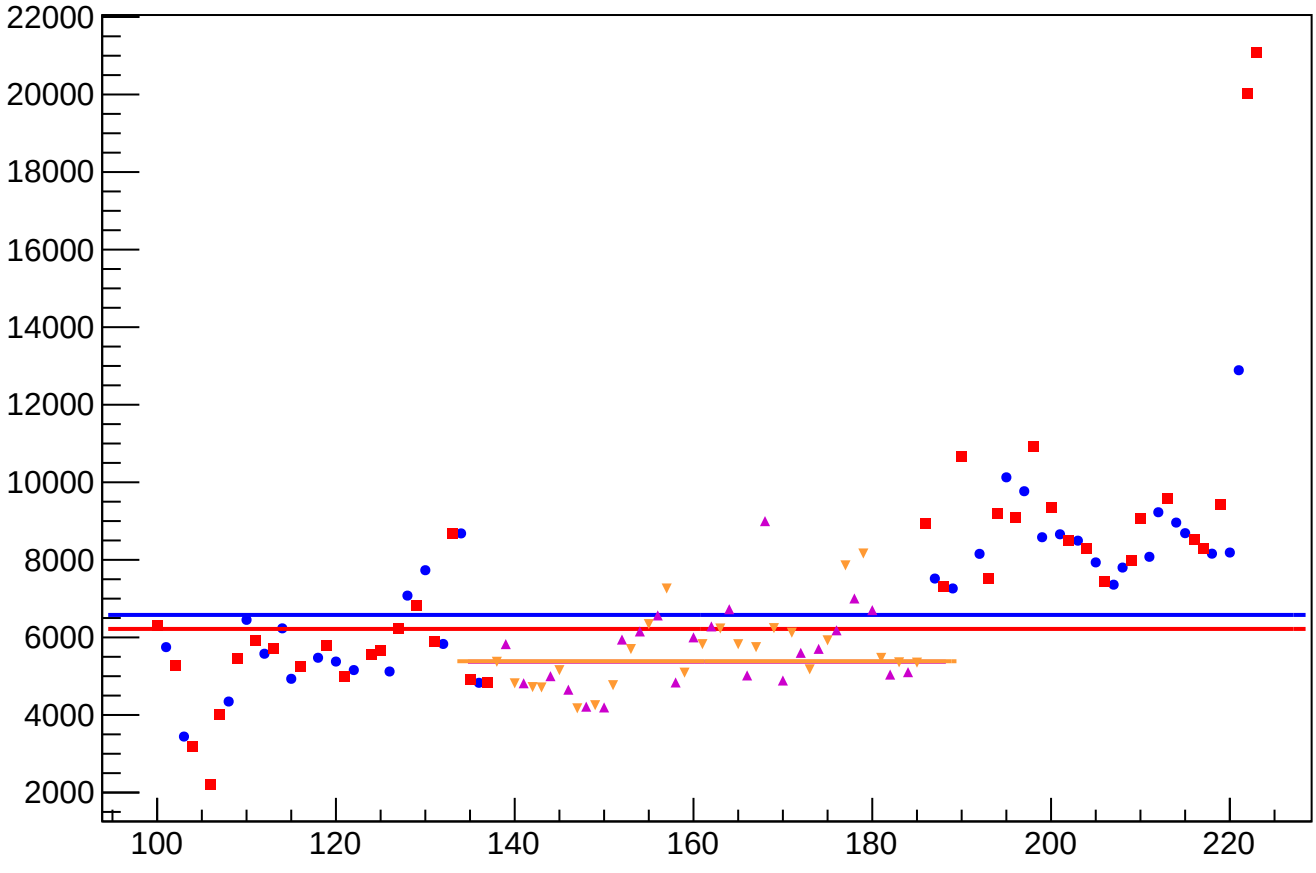
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1448.273+/-951.244 χ^2/NDF: 68.7/58

All: -801.369+/-675.810 χ^2/NDF: 131.4/119

- sign -3094.049+/-960.300 χ^2/NDF: 51.4/60

asym_usr_atr2_avg_rms vs Slug



Right In: 6579.979+/-1.041 χ^2/NDF: 3675274.2/33

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

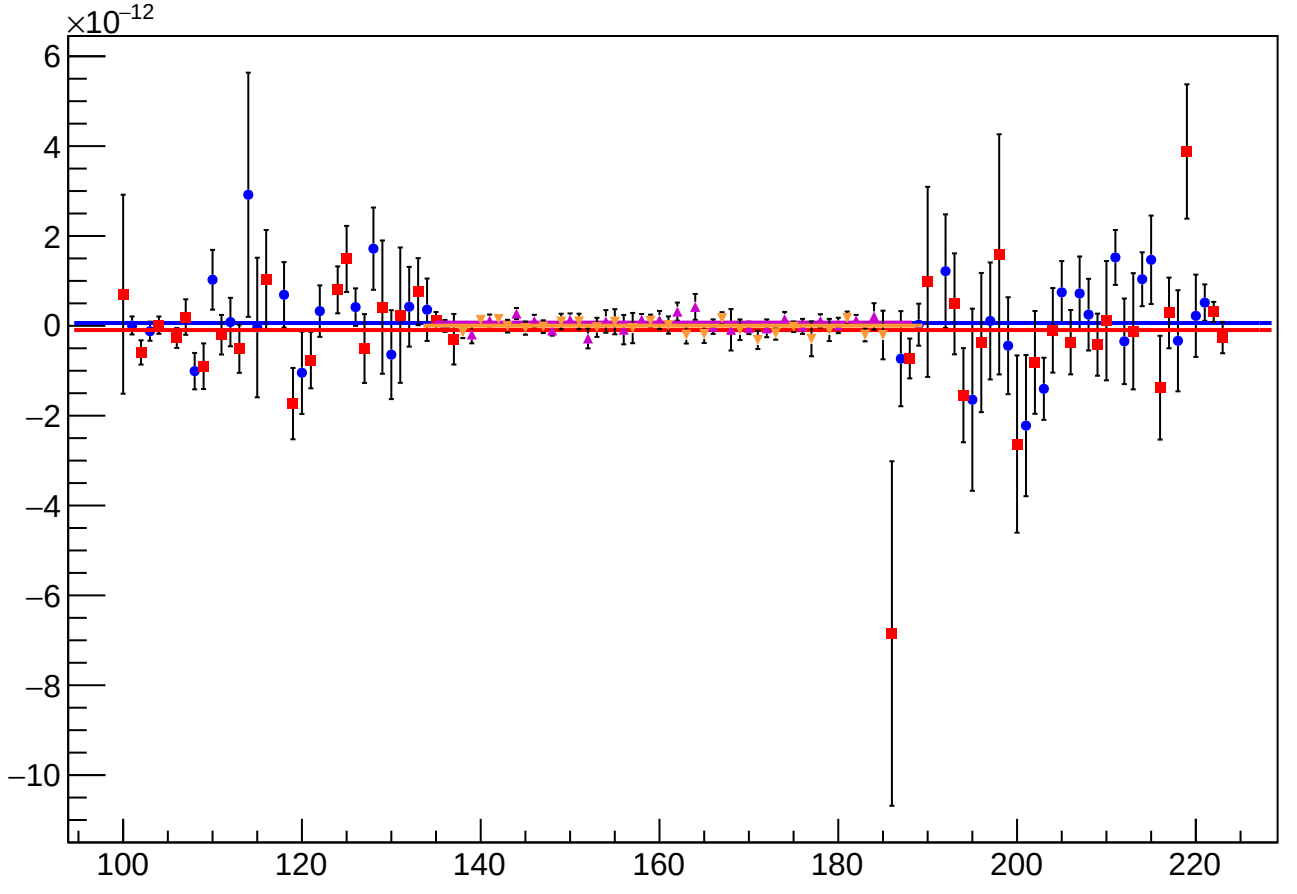
Right Out: 6218.692+/-1.006 χ^2/NDF: 6493083.7/37

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5884.440+/-0.673 χ^2/NDF: 5429164.9/58

All: 5817.376+/-0.475 χ^2/NDF: 13405477.4/1

- sign 5750.444+/-0.672 χ^2/NDF: 7956450.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 41.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

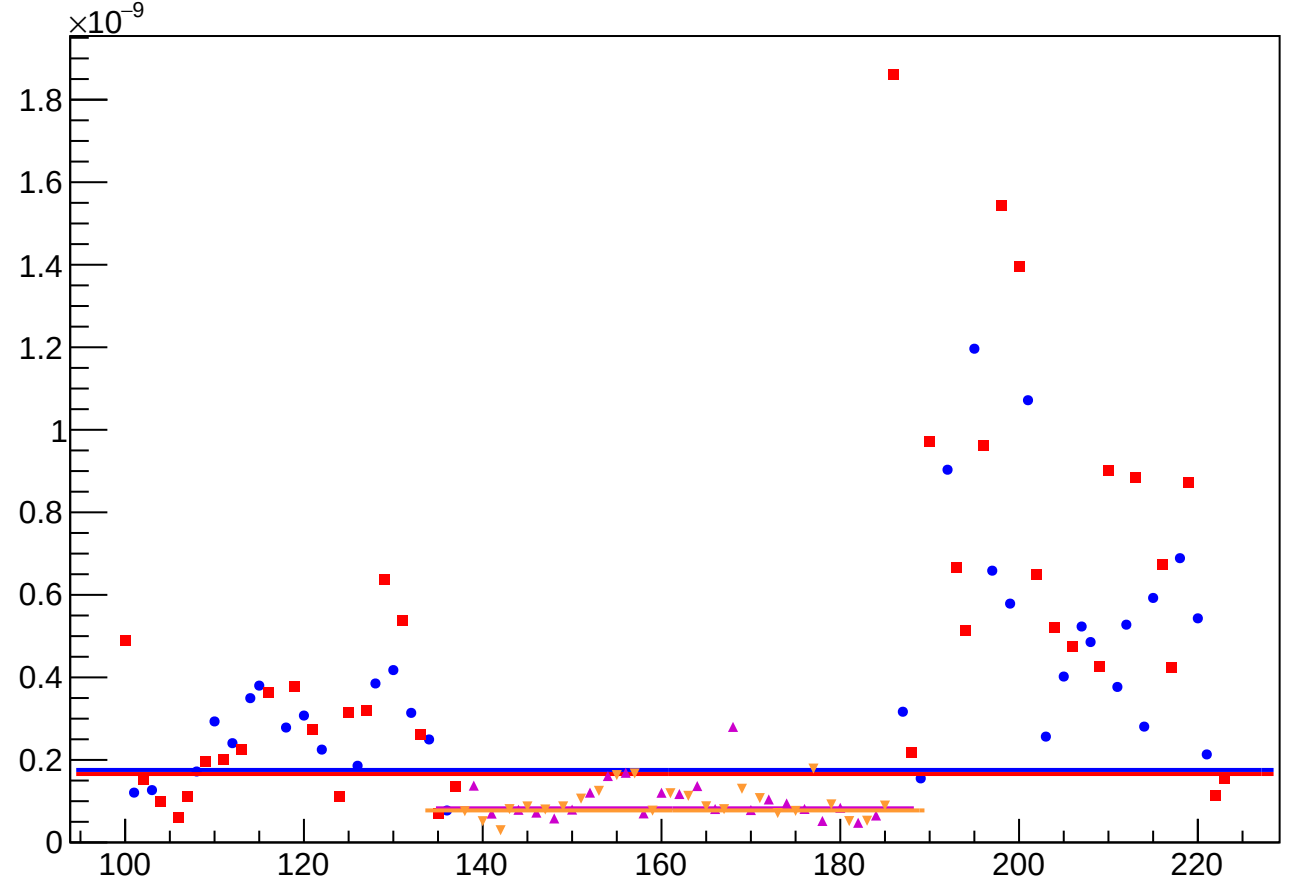
Right Out: -0.000+/-0.000 χ^2/NDF: 47.7/37

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.9/58

All: 0.000+/-0.000 χ^2/NDF: 127.9/119

- sign 0.000+/-0.000 χ^2/NDF: 67.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 6858349.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8960243.5/37

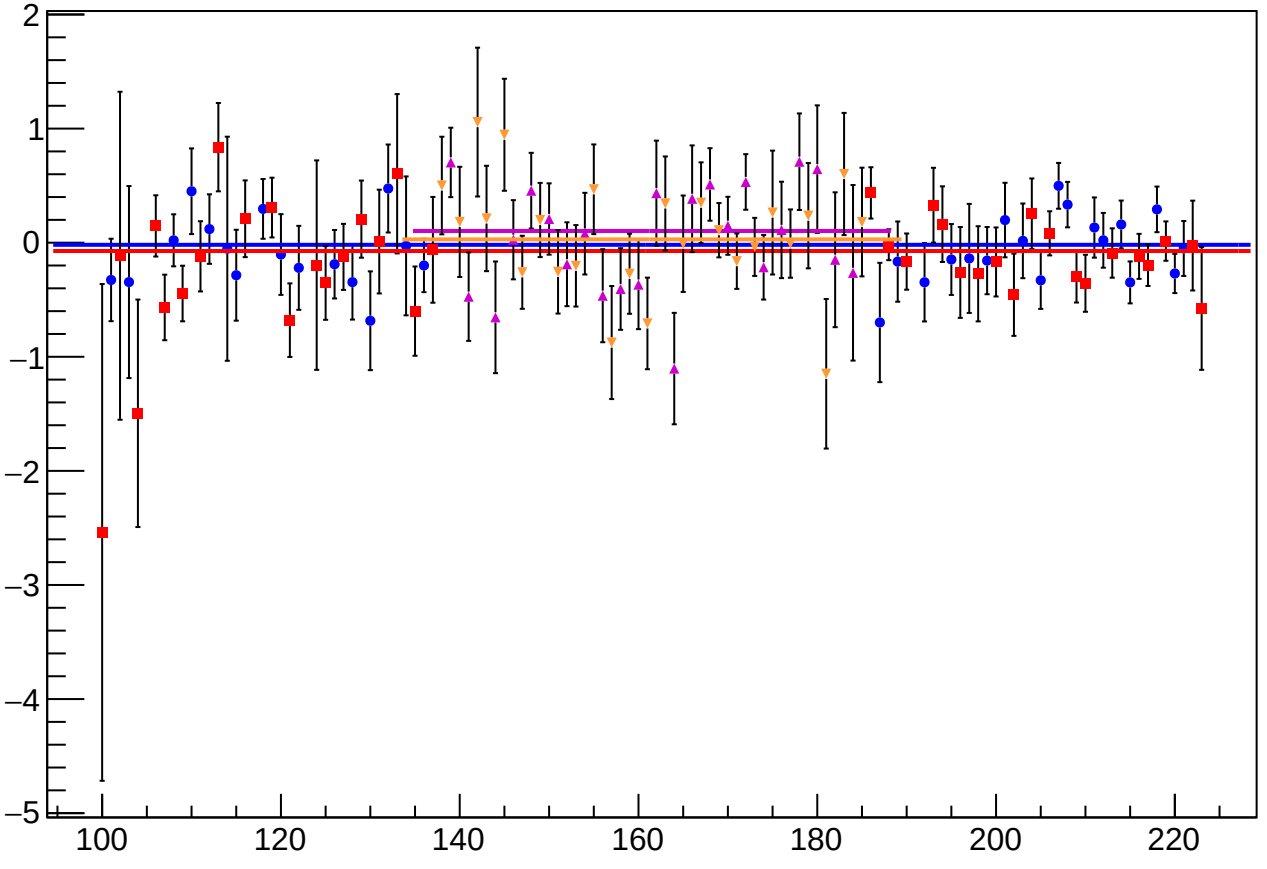
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11219539.1/58

All: 0.000+/-0.000 χ^2/NDF: 23724210.7/119

- sign 0.000+/-0.000 χ^2/NDF: 12477788.4/60

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.019+/-0.048 χ^2/NDF: 34.7/33

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.073+/-0.046 χ^2/NDF: 40.3/37

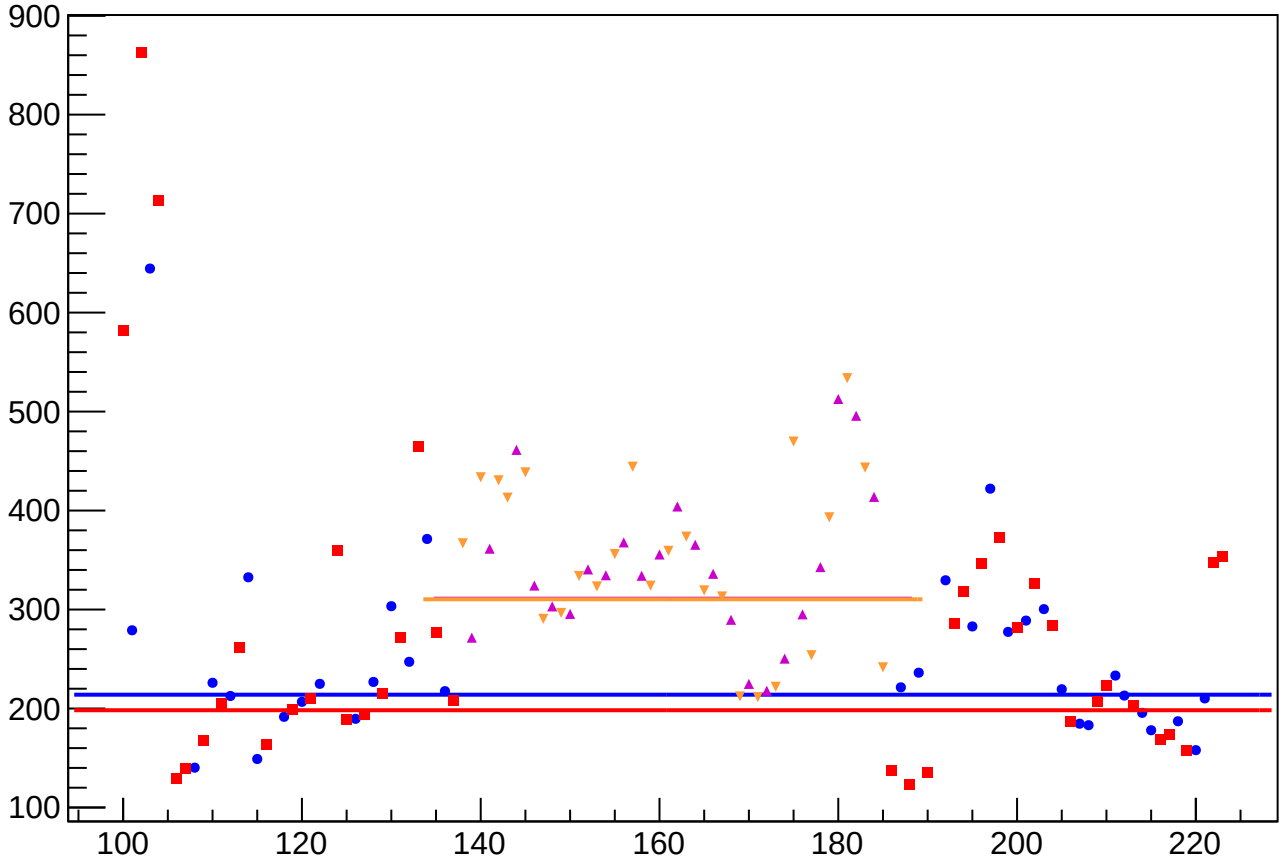
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.005+/-0.041 χ^2/NDF: 60.3/58

All: -0.016+/-0.028 χ^2/NDF: 136.9/119

- sign -0.026+/-0.039 χ^2/NDF: 76.4/60

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 213.976+/-0.034 χ^2/NDF: 2642149.7/33

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

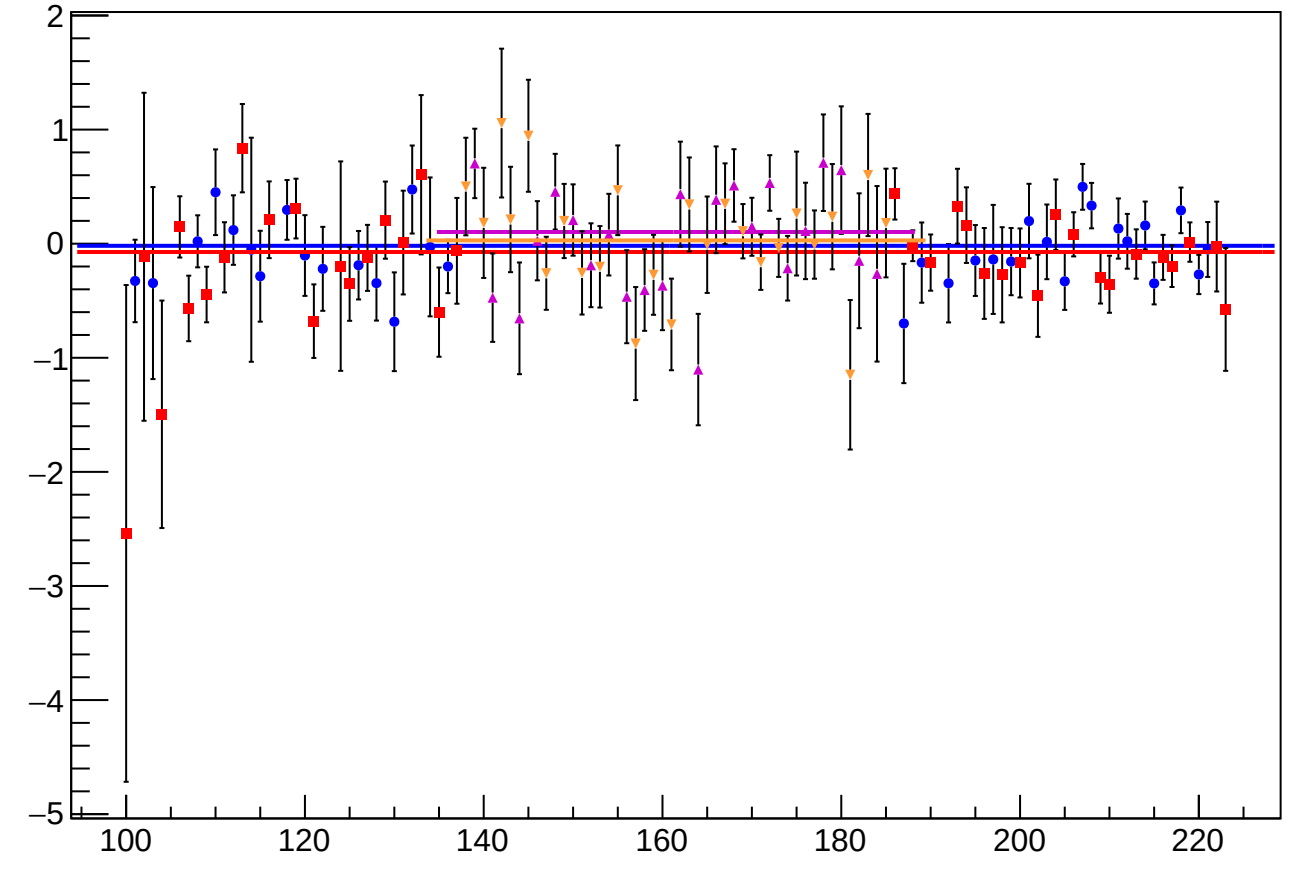
Right Out: 198.275+/-0.032 χ^2/NDF: 5014095.3/37

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 242.432+/-0.029 χ^2/NDF: 7353860.8/58

All: 235.036+/-0.020 χ^2/NDF: 17307958.0/11

- sign 228.117+/-0.028 χ^2/NDF: 9825455.2/60



Right In: -0.019+/-0.048 χ^2/NDF: 34.7/33

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

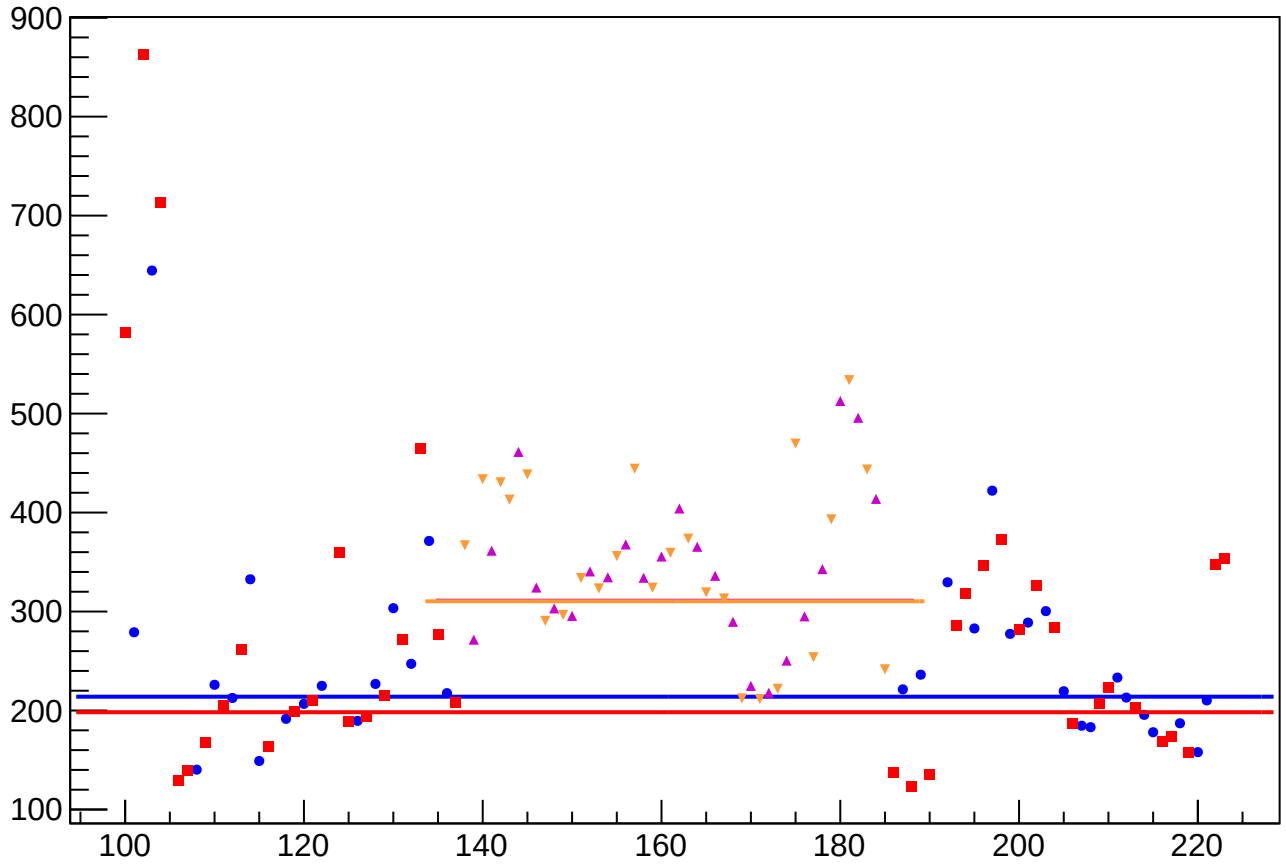
Right Out: -0.073+/-0.046 χ^2/NDF: 40.3/37

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.005+/-0.041 χ^2/NDF: 60.3/58

All: -0.016+/-0.028 χ^2/NDF: 136.9/119

- sign -0.026+/-0.039 χ^2/NDF: 76.4/60



Right In: 213.976+/-0.034 χ^2/NDF: 2642149.7/33

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

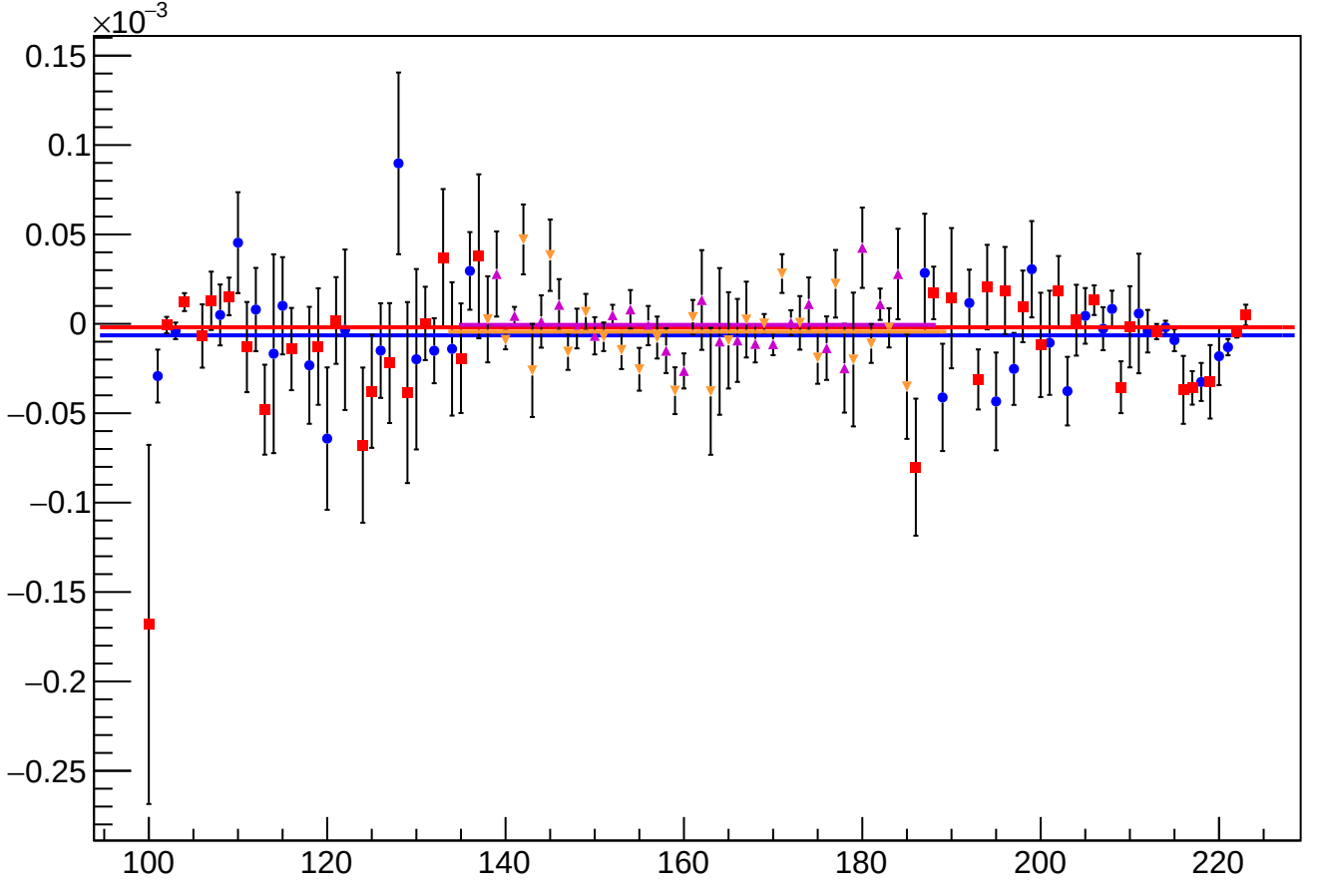
Right Out: 198.275+/-0.032 χ^2/NDF: 5014095.3/37

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 242.432+/-0.029 χ^2/NDF: 7353860.8/58

All: 235.036+/-0.020 χ^2/NDF: 17307958.0/11

- sign 228.117+/-0.028 χ^2/NDF: 9825455.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

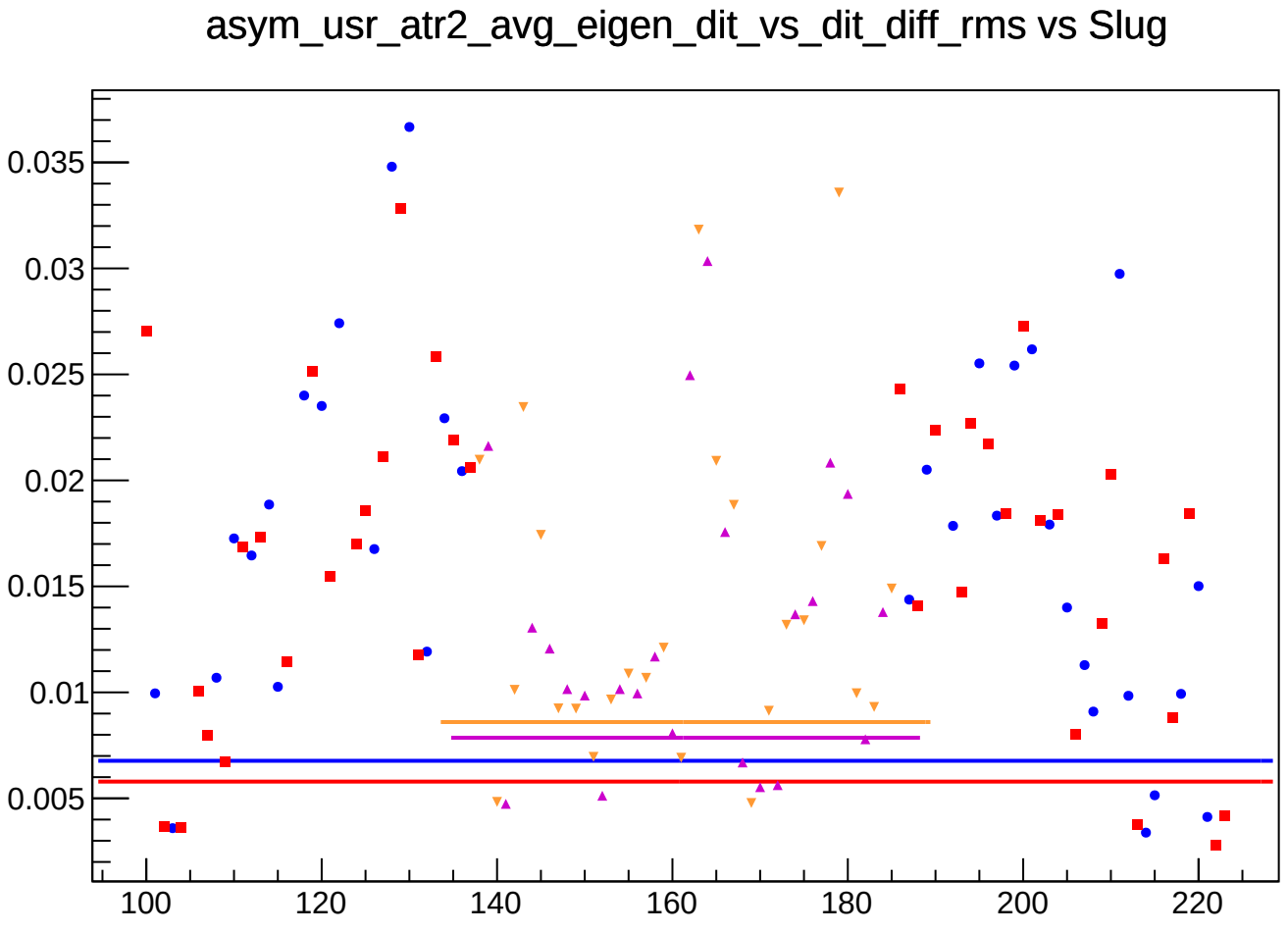
Right Out: -0.000+/-0.000 χ^2/NDF: 66.9/37

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.0/58

All: -0.000+/-0.000 χ^2/NDF: 181.1/119

- sign -0.000+/-0.000 χ^2/NDF: 93.7/60



Right In: 0.007+/-0.000 χ^2/NDF: 16592287.0/33

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

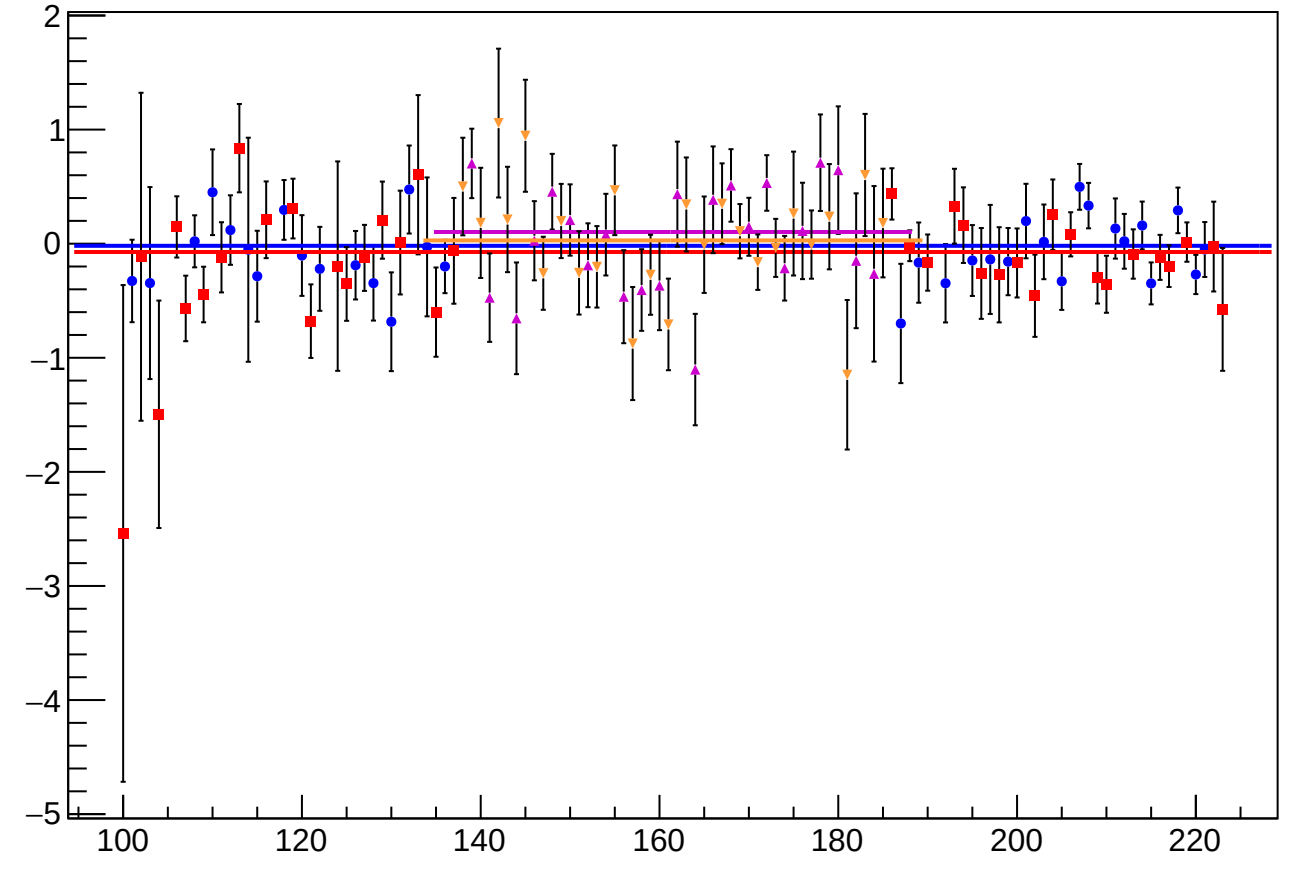
Right Out: 0.006+/-0.000 χ^2/NDF: 18910059.6/37

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 25012057.7/58

All: 0.007+/-0.000 χ^2/NDF: 52376834.7/119

- sign 0.007+/-0.000 χ^2/NDF: 26859362.6/60



Right In: -0.019+/-0.048 χ^2/NDF: 34.7/33

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

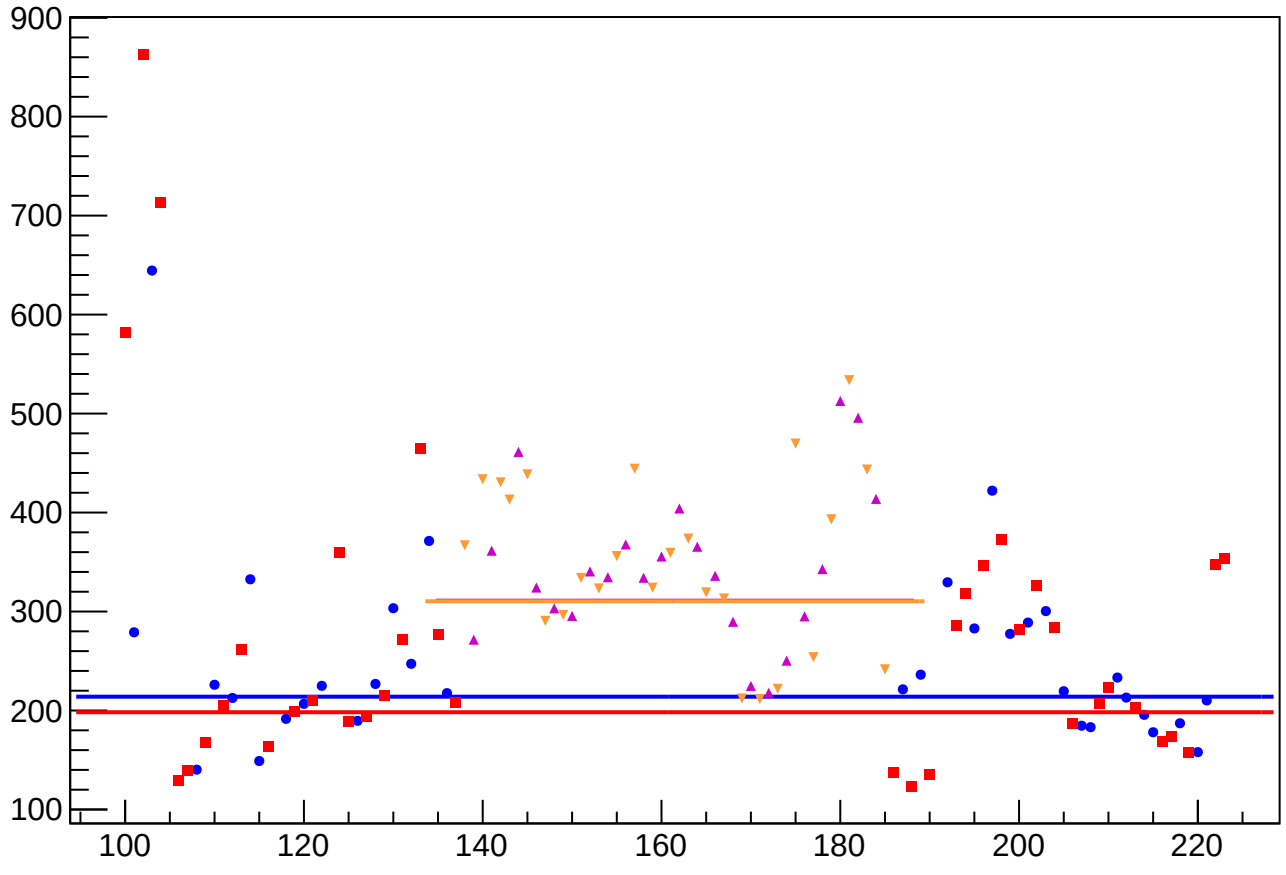
Right Out: -0.073+/-0.046 χ^2/NDF: 40.3/37

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.005+/-0.041 χ^2/NDF: 60.3/58

All: -0.016+/-0.028 χ^2/NDF: 136.9/119

- sign -0.026+/-0.039 χ^2/NDF: 76.4/60



Right In: 213.975+/-0.034 χ^2/NDF: 2642156.4/33

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

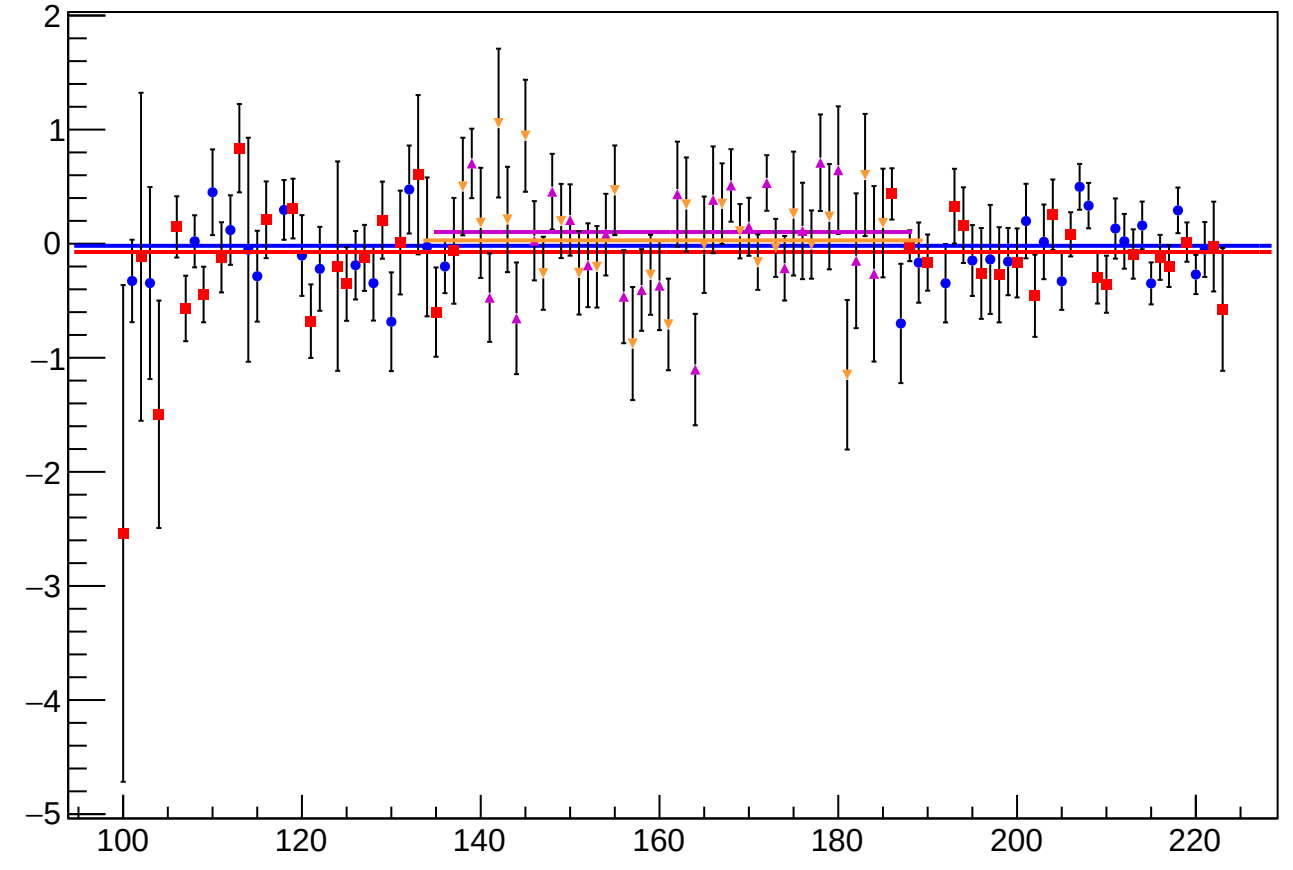
Right Out: 198.273+/-0.032 χ^2/NDF: 5014226.1/37

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 242.432+/-0.029 χ^2/NDF: 7354074.3/58

All: 235.036+/-0.020 χ^2/NDF: 17308596.9/11

- sign 228.116+/-0.028 χ^2/NDF: 9825859.2/60



Right In: -0.019+/-0.048 χ^2/NDF: 34.7/33

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

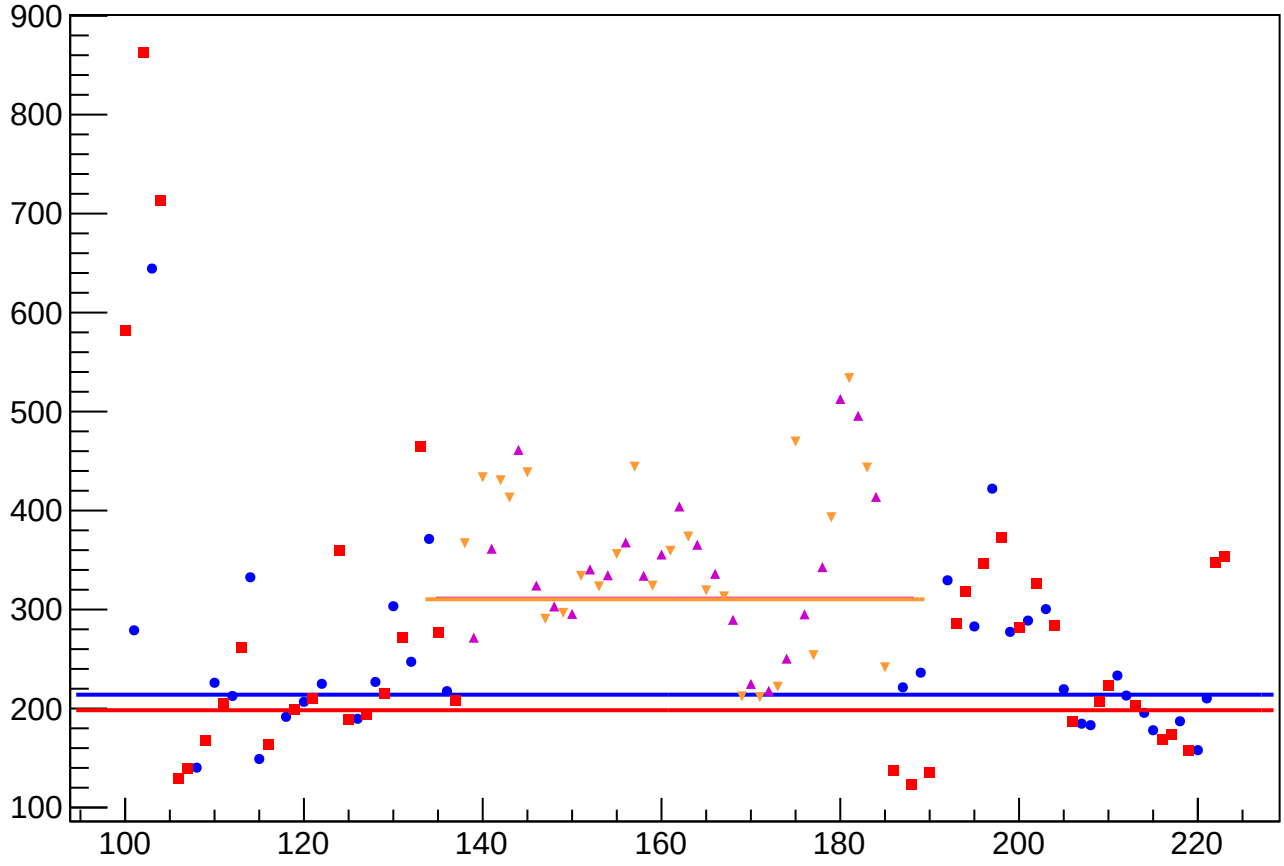
Right Out: -0.073+/-0.046 χ^2/NDF: 40.3/37

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.005+/-0.041 χ^2/NDF: 60.3/58

All: -0.016+/-0.028 χ^2/NDF: 136.9/119

- sign -0.026+/-0.039 χ^2/NDF: 76.4/60



Right In: 213.975+/-0.034 χ^2/NDF: 2642156.4/33

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

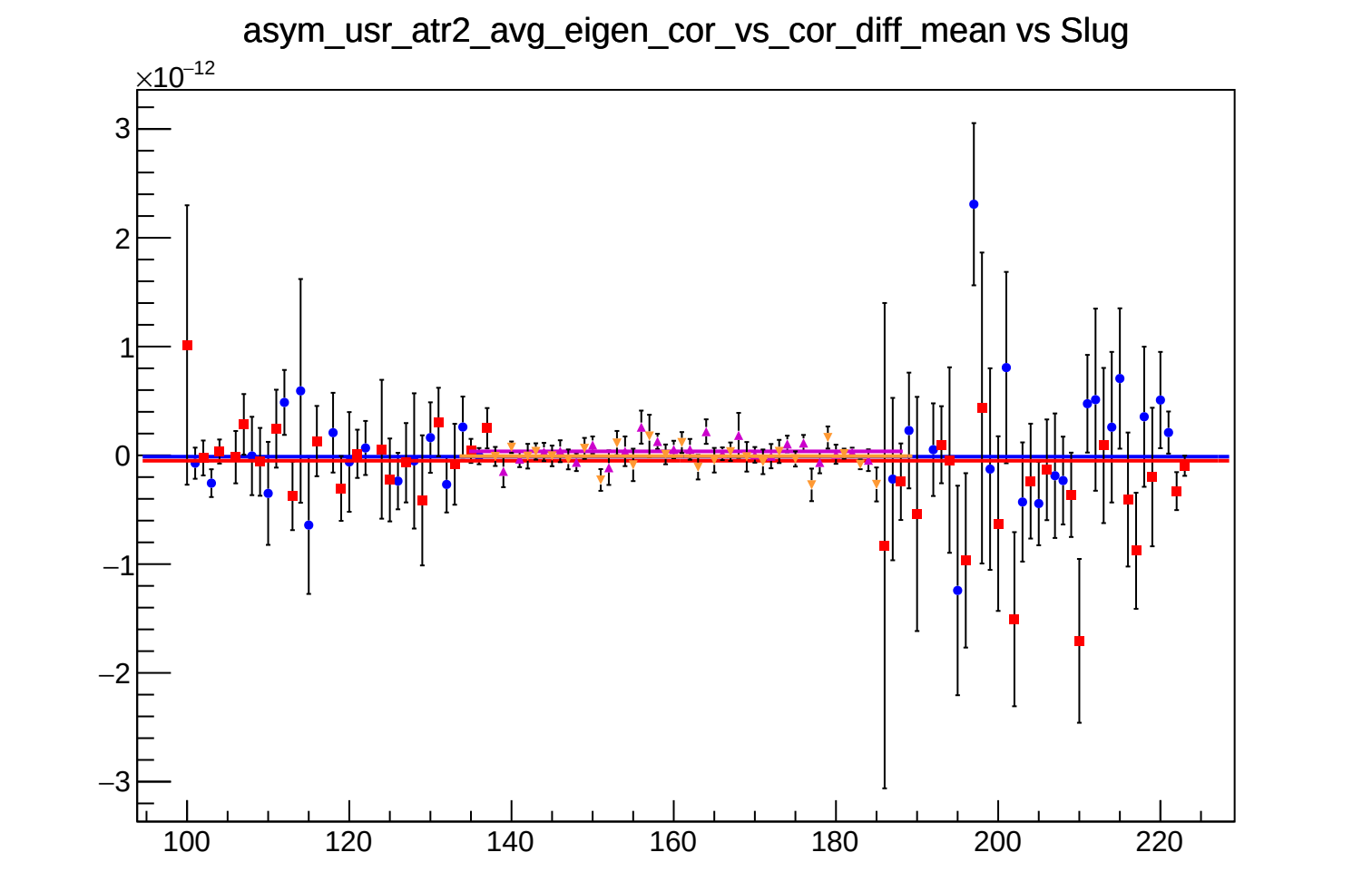
Right Out: 198.273+/-0.032 χ^2/NDF: 5014226.1/37

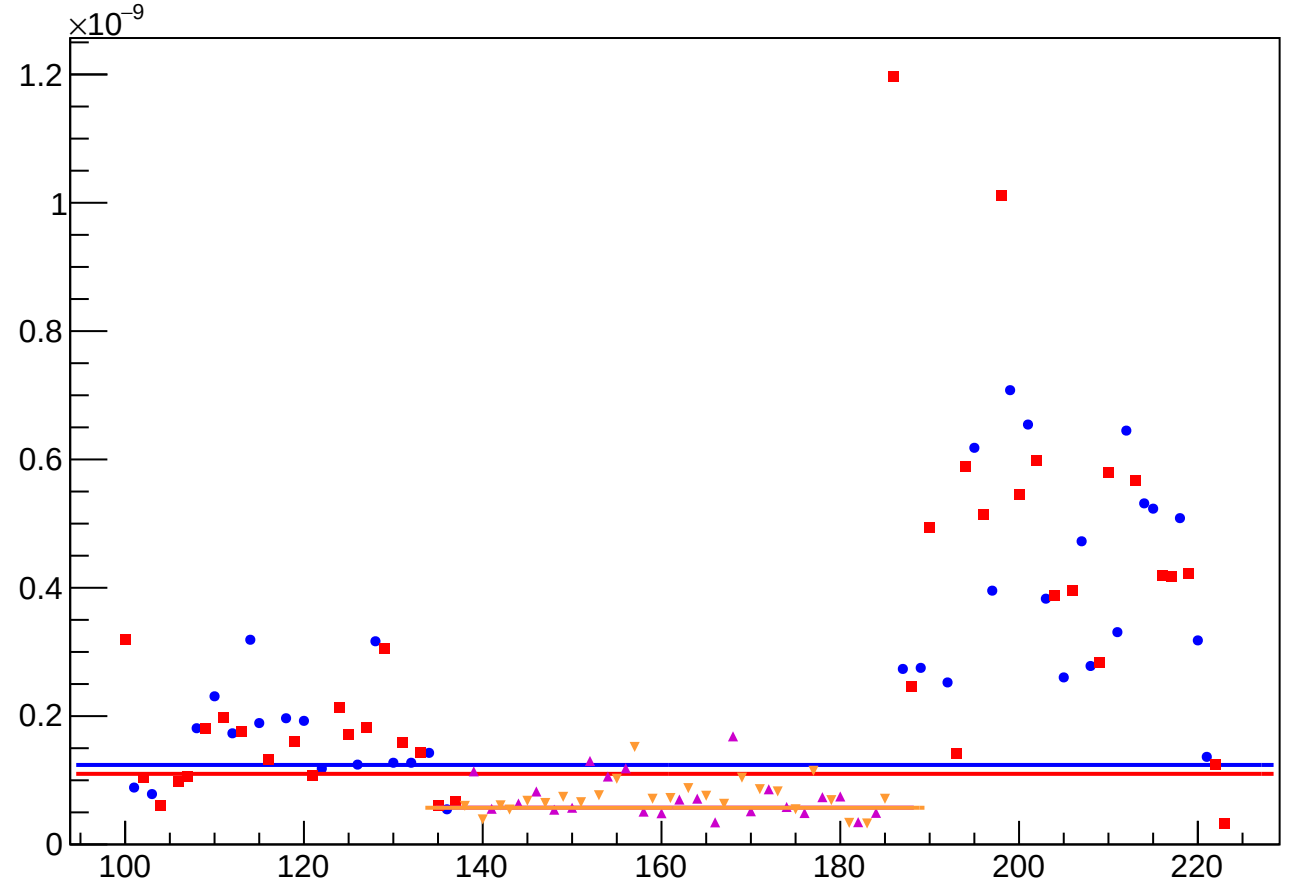
Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 242.432+/-0.029 χ^2/NDF: 7354074.3/58

All: 235.036+/-0.020 χ^2/NDF: 17308596.9/11

- sign 228.116+/-0.028 χ^2/NDF: 9825859.2/60


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
220
Right In: -0.000+/-0.000 χ²/NDF: 32.6/33
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.1/37
Left In: 0.000+/-0.000 χ²/NDF:16.7/22
+ sign -0.000+/-0.000 χ²/NDF: 58.4/58
All: 0.000+/-0.000 χ²/NDF: 108.9/119
- sign 0.000+/-0.000 χ²/NDF: 48.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 10963204.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12506948.5/37

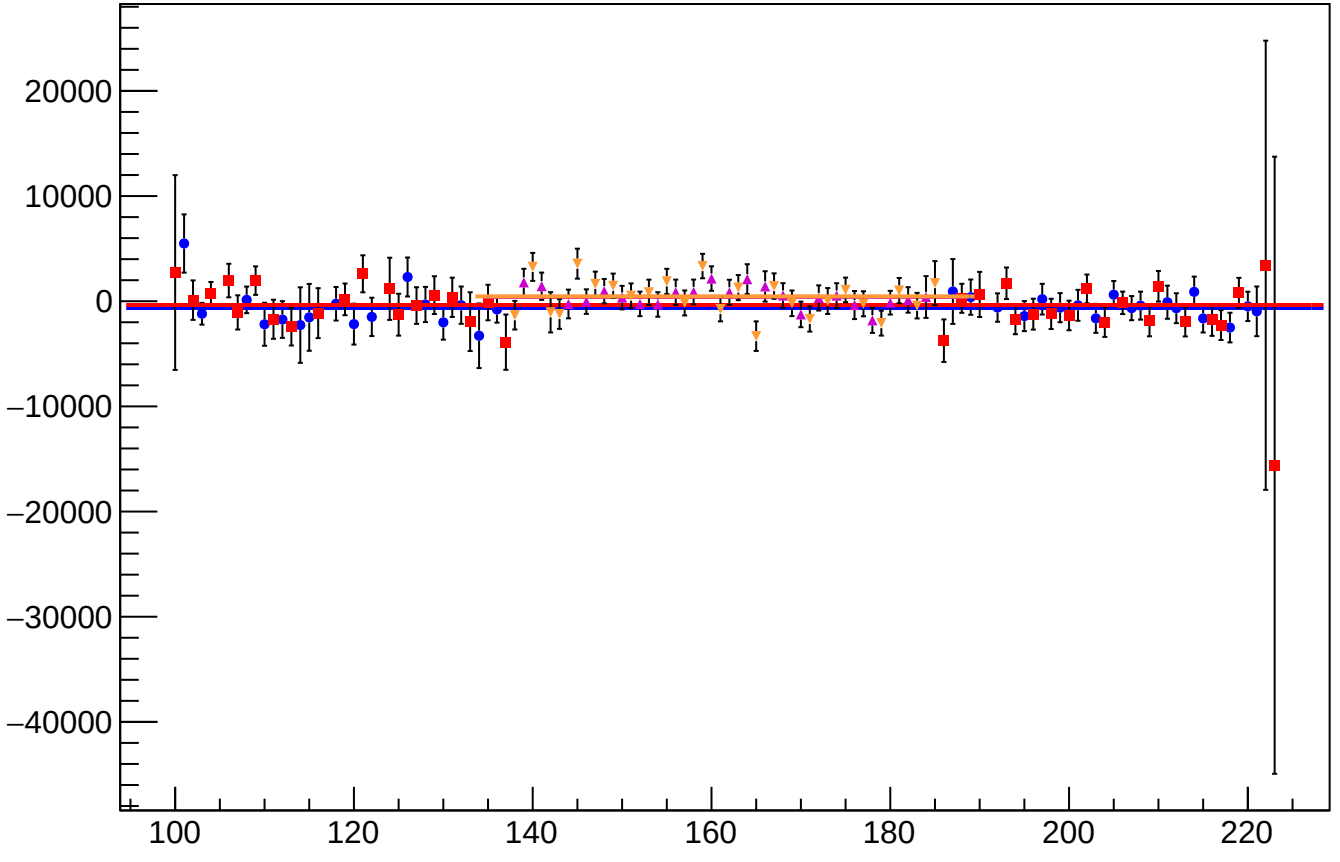
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18057707.3/58

All: 0.000+/-0.000 χ^2/NDF: 36553803.0/119

- sign 0.000+/-0.000 χ^2/NDF: 18495877.8/60

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -640.864+/-267.285 χ^2/NDF: 18.1/33

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -358.533+/-266.574 χ^2/NDF: 31.8/37

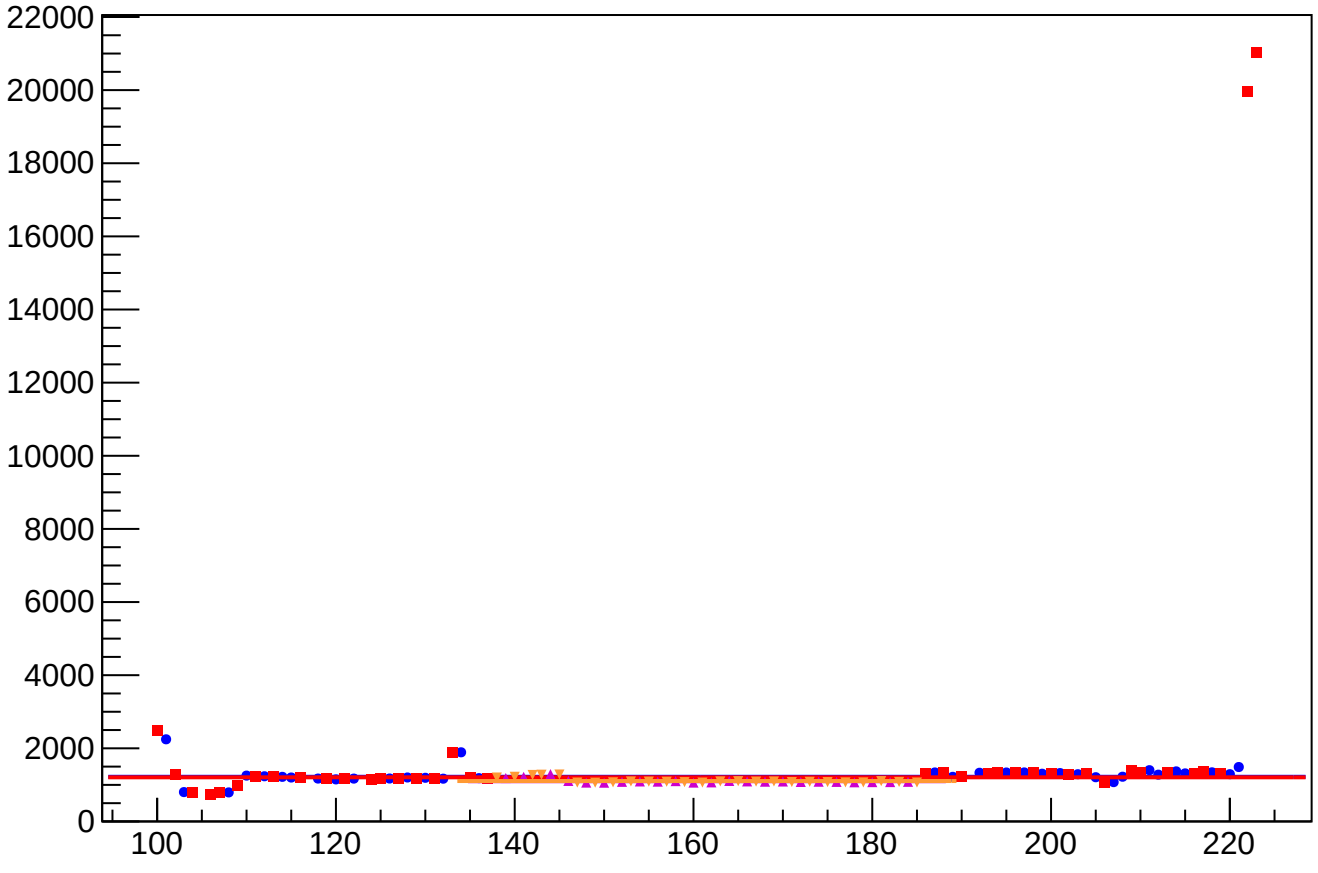
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign -57.695+/-183.178 χ^2/NDF: 69.1/58

All: -9.288+/-130.199 χ^2/NDF: 119.0/119

- sign 40.136+/-185.094 χ^2/NDF: 49.7/60

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1221.347+/-0.189 χ^2/NDF: 1141339.6/33

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

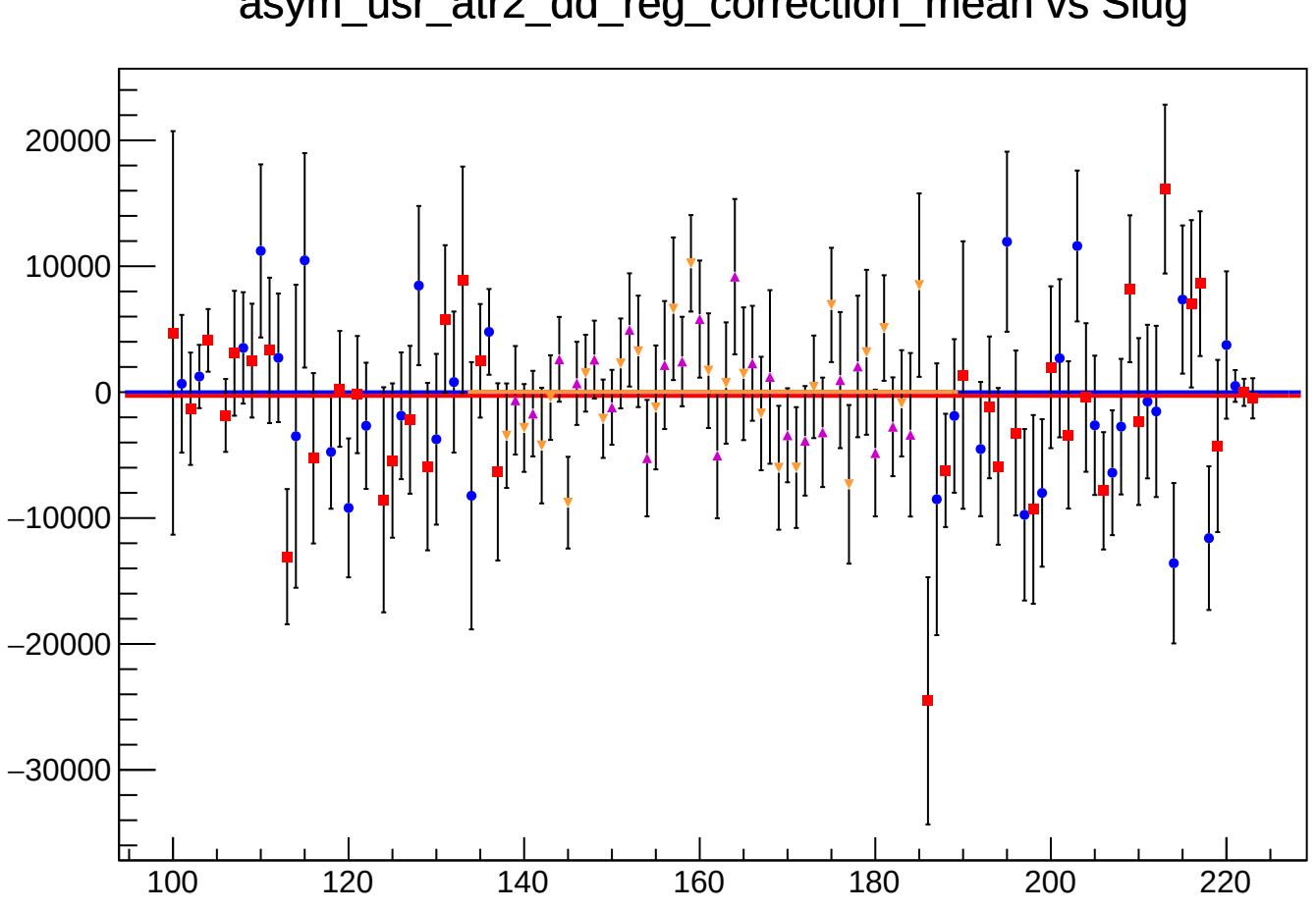
Right Out: 1207.083+/-0.188 χ^2/NDF: 3559865.1/37

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1159.937+/-0.130 χ^2/NDF: 1462369.1/58

All: 1156.000+/-0.092 χ^2/NDF: 5270987.3/11

- sign 1151.994+/-0.131 χ^2/NDF: 3806754.4/60



Right In: -8.478+/-756.016 χ^2/NDF: 39.5/33

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -293.265+/-632.003 χ^2/NDF: 42.2/37

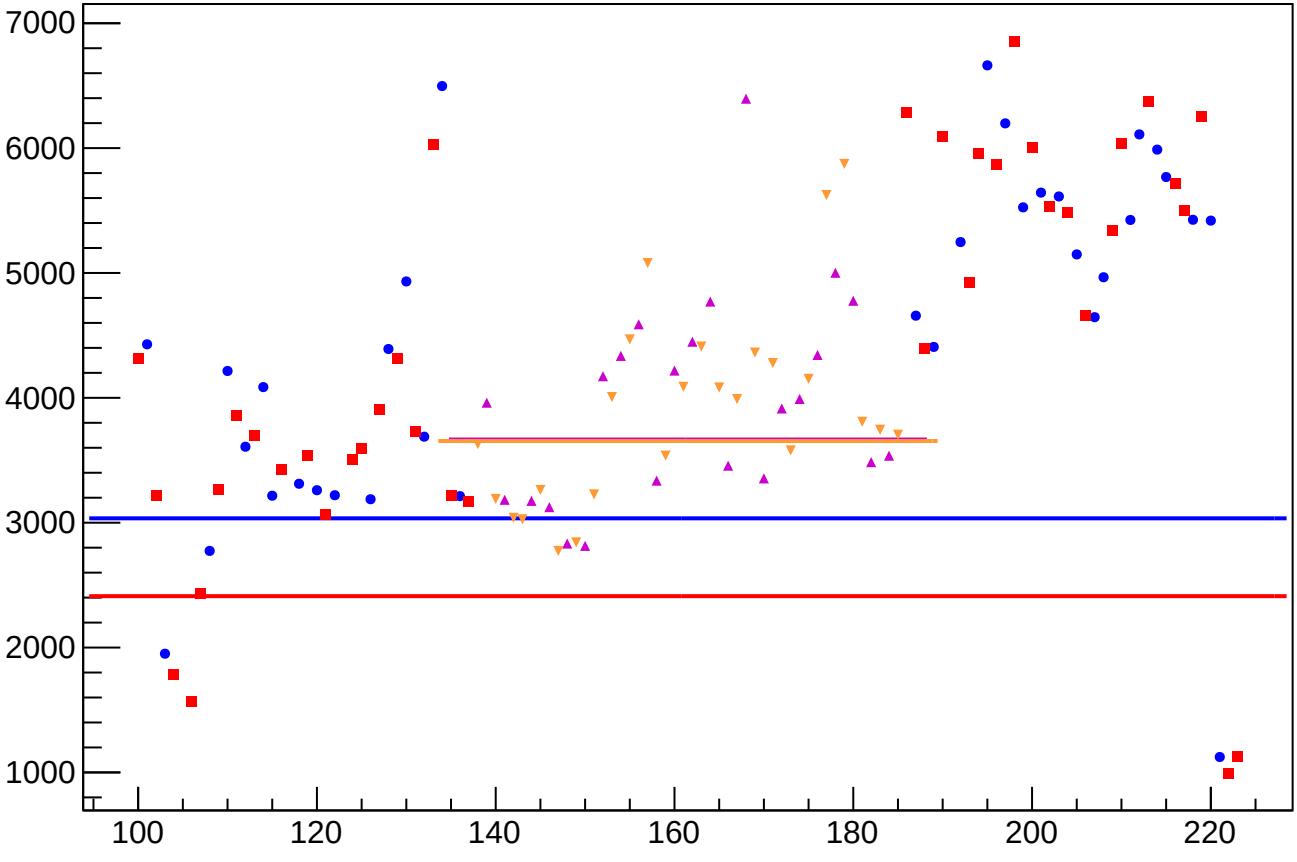
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 5.581+/-565.020 χ^2/NDF: 68.0/58

All: -104.444+/-379.559 χ^2/NDF: 124.4/119

- sign -194.925+/-512.387 χ^2/NDF: 56.3/60

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3034.949+/-0.535 χ^2/NDF: 11239999.9/33

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 2411.583+/-0.447 χ^2/NDF: 15549994.5/37

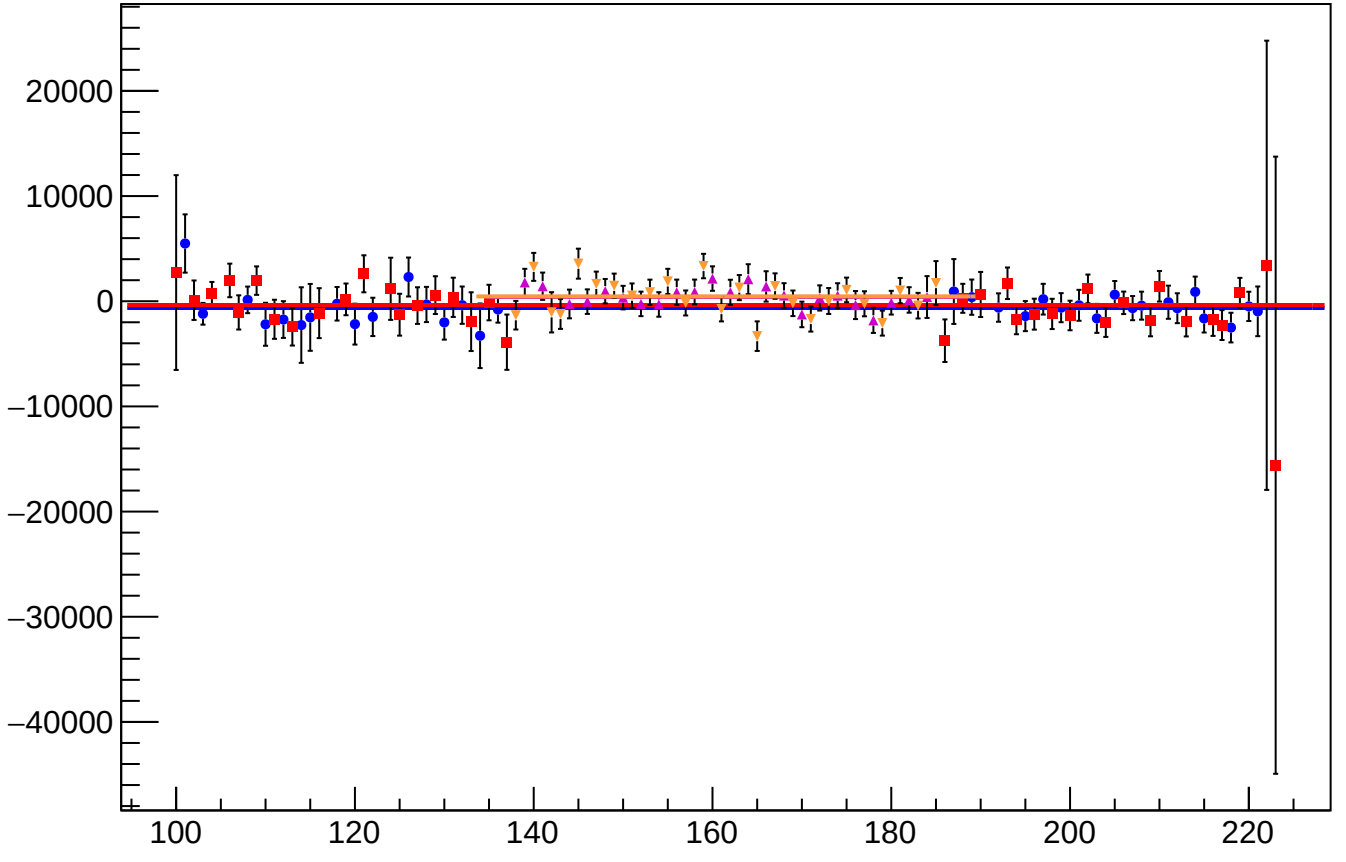
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3308.314+/-0.400 χ^2/NDF: 13144106.9/58

All: 3052.170+/-0.268 χ^2/NDF: 33487595.4/1

- sign 2841.524+/-0.362 χ^2/NDF: 19594443.2/60

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -640.878+/-267.285 χ^2/NDF: 18.1/33

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -358.399+/-266.575 χ^2/NDF: 31.8/37

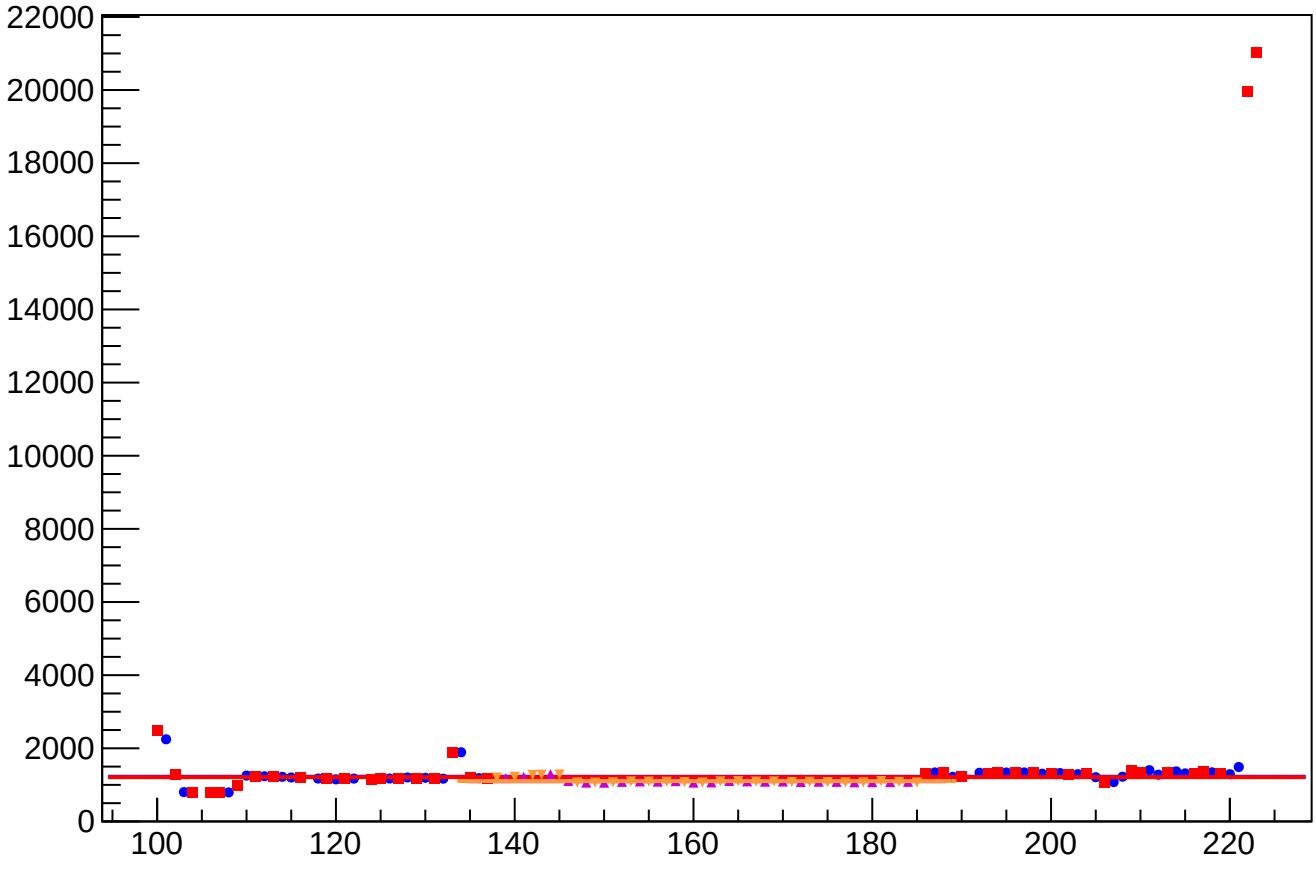
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -57.669+/-183.178 χ^2/NDF: 69.1/58

All: -9.267+/-130.199 χ^2/NDF: 119.0/119

- sign 40.152+/-185.094 χ^2/NDF: 49.8/60

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1221.348+/-0.189 χ^2/NDF: 1141334.7/33

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1211.703+/-0.188 χ^2/NDF: 3473854.9/37

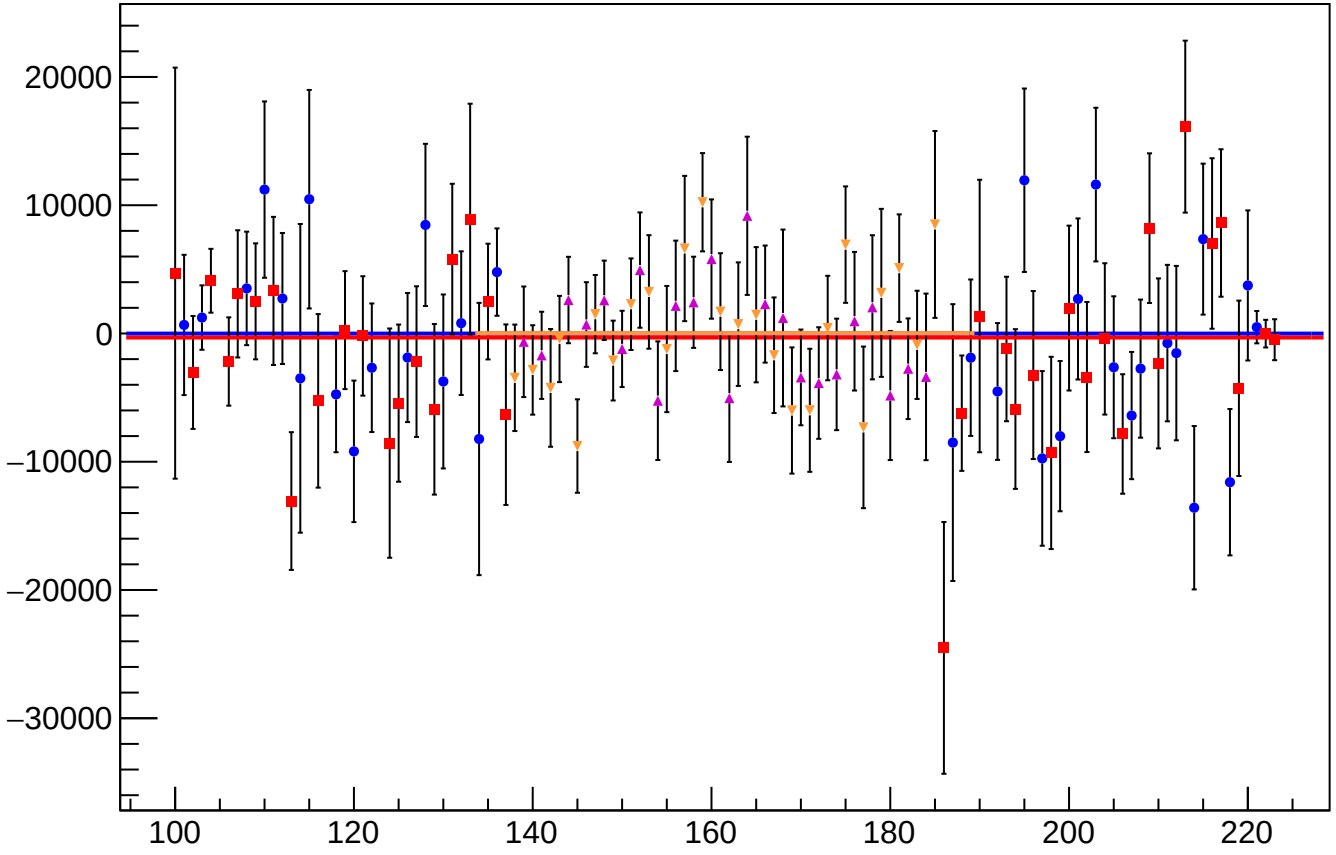
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1159.937+/-0.130 χ^2/NDF: 1462365.0/58

All: 1157.038+/-0.092 χ^2/NDF: 5198357.6/11

- sign 1154.080+/-0.131 χ^2/NDF: 3734980.4/60

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: -8.301+/-755.931 χ^2/NDF: 39.5/33

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -317.677+/-636.242 χ^2/NDF: 42.6/37

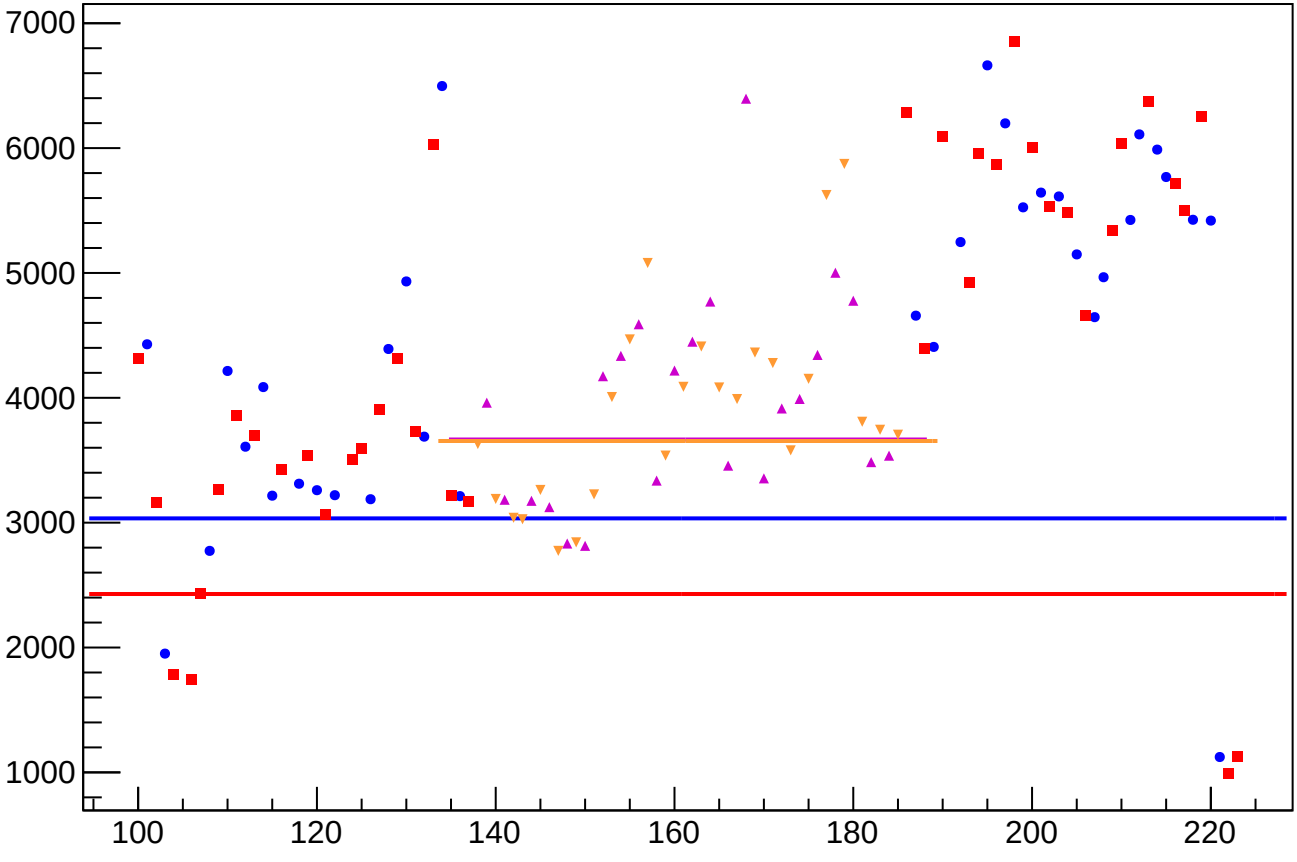
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 5.676+/-564.984 χ^2/NDF: 68.0/58

All: -112.225+/-380.460 χ^2/NDF: 124.8/119

- sign -210.049+/-514.638 χ^2/NDF: 56.7/60

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3034.359+/-0.535 χ^2/NDF: 11245134.2/33

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2428.652+/-0.450 χ^2/NDF: 15449658.2/37

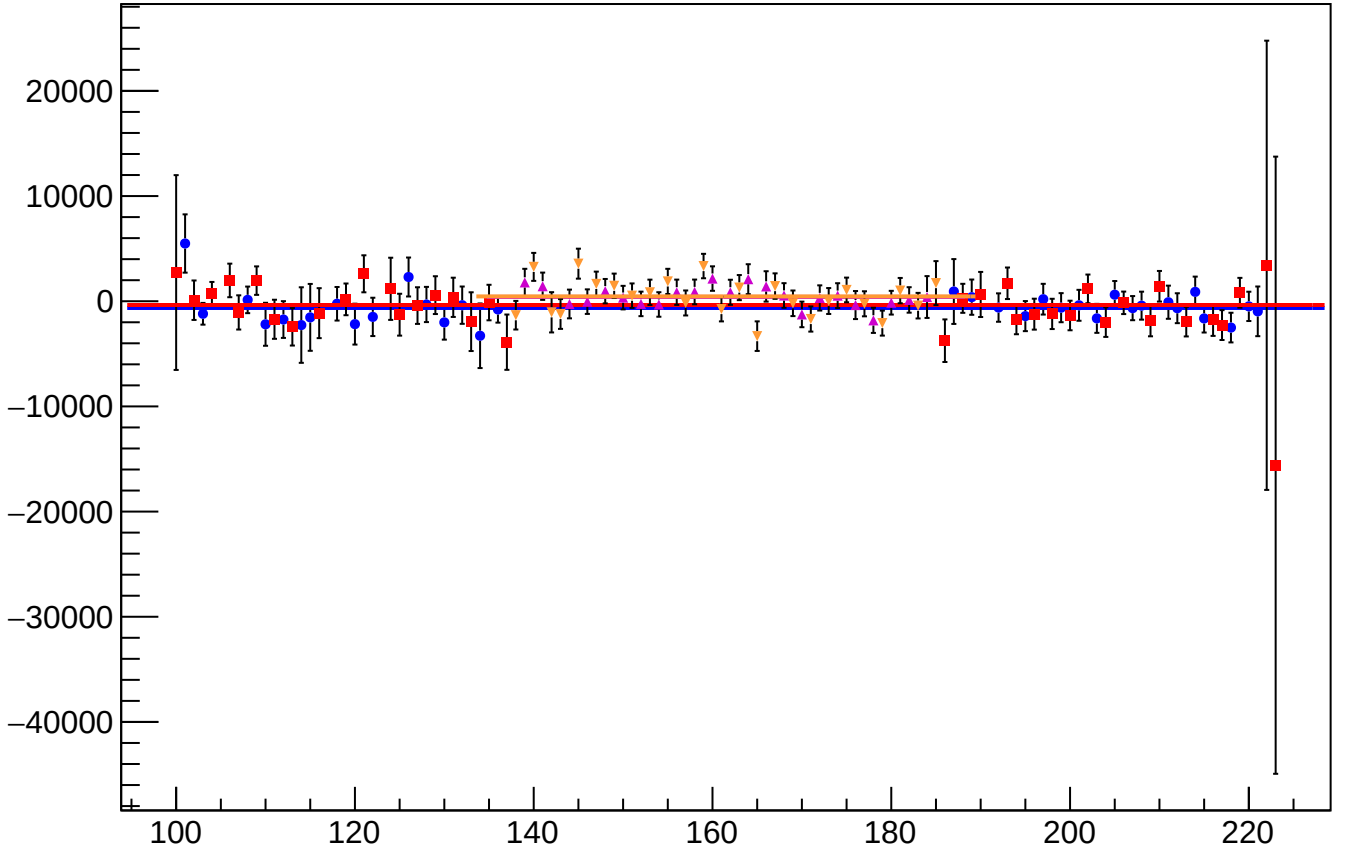
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3307.949+/-0.400 χ^2/NDF: 13150432.4/58

All: 3061.205+/-0.269 χ^2/NDF: 33257438.8/1

- sign 2856.477+/-0.364 χ^2/NDF: 19409039.7/60

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -640.878+/-267.285 χ^2/NDF: 18.1/33

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -358.399+/-266.575 χ^2/NDF: 31.8/37

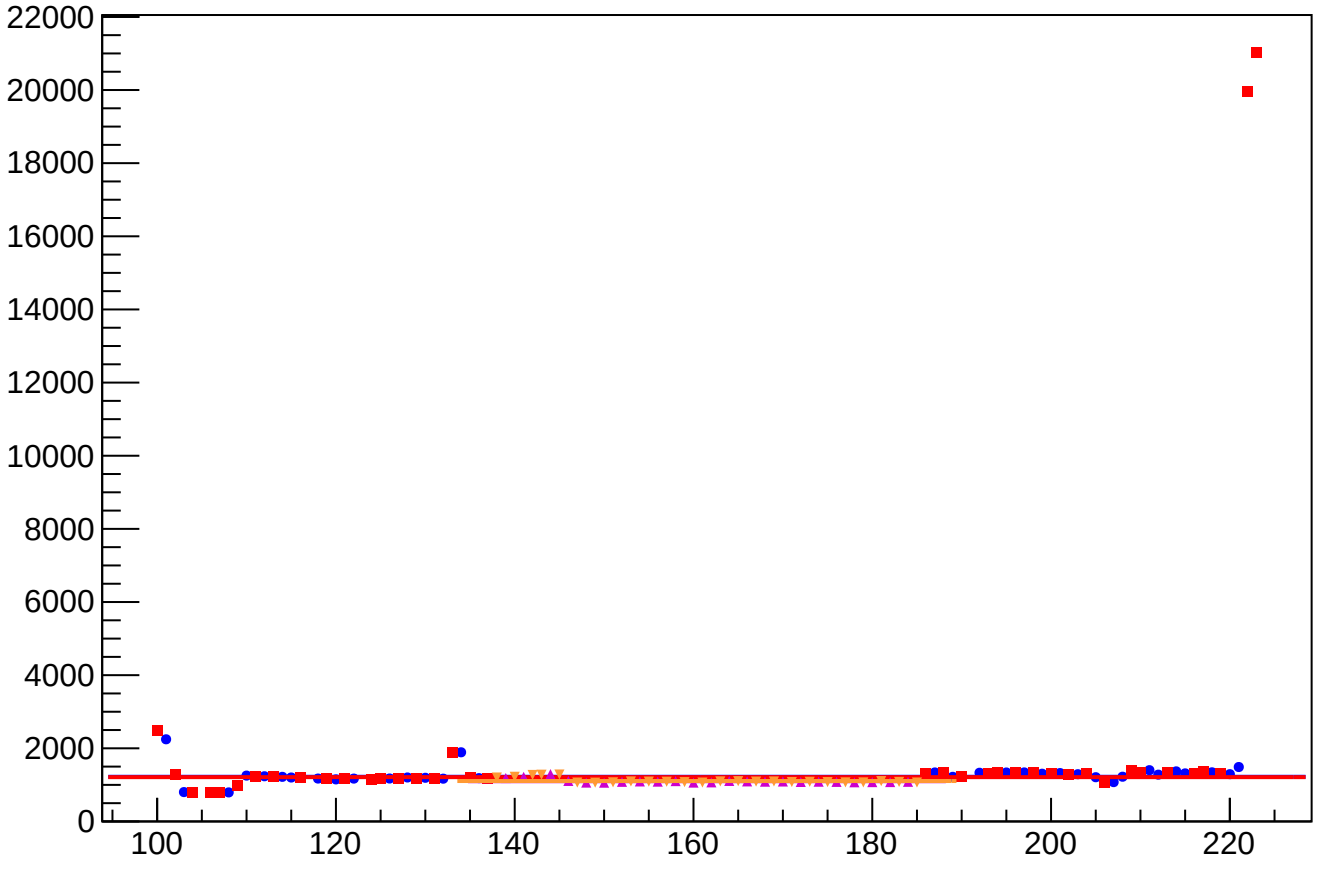
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -57.669+/-183.178 χ^2/NDF: 69.1/58

All: -9.267+/-130.199 χ^2/NDF: 119.0/119

- sign 40.152+/-185.094 χ^2/NDF: 49.8/60

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1221.348+/-0.189 χ^2/NDF: 1141334.7/33

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

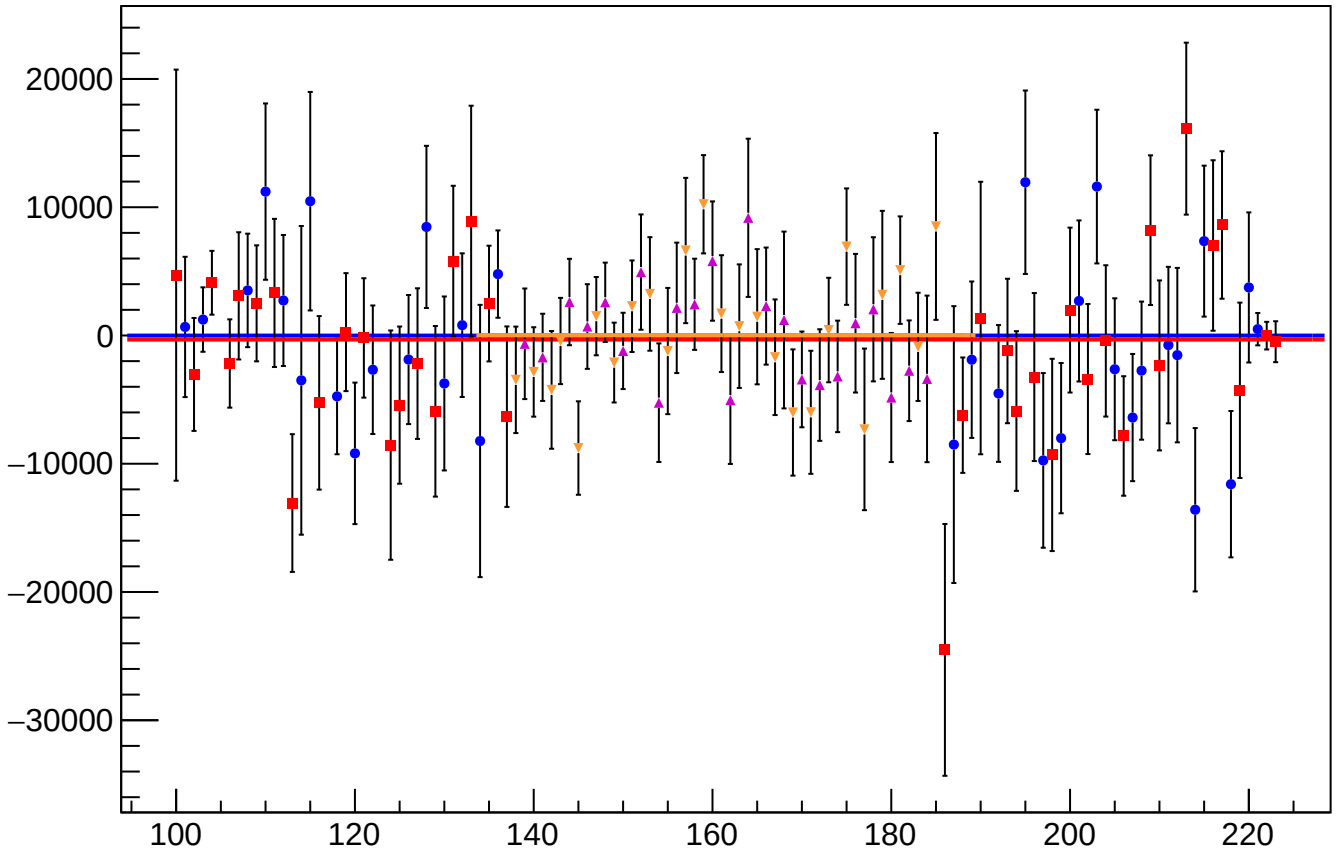
Right Out: 1211.703+/-0.188 χ^2/NDF: 3473854.9/37

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1159.937+/-0.130 χ^2/NDF: 1462365.0/58

All: 1157.038+/-0.092 χ^2/NDF: 5198357.6/11

- sign 1154.080+/-0.131 χ^2/NDF: 3734980.4/60



Right In: -8.301+/-755.931 χ^2/NDF: 39.5/33

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

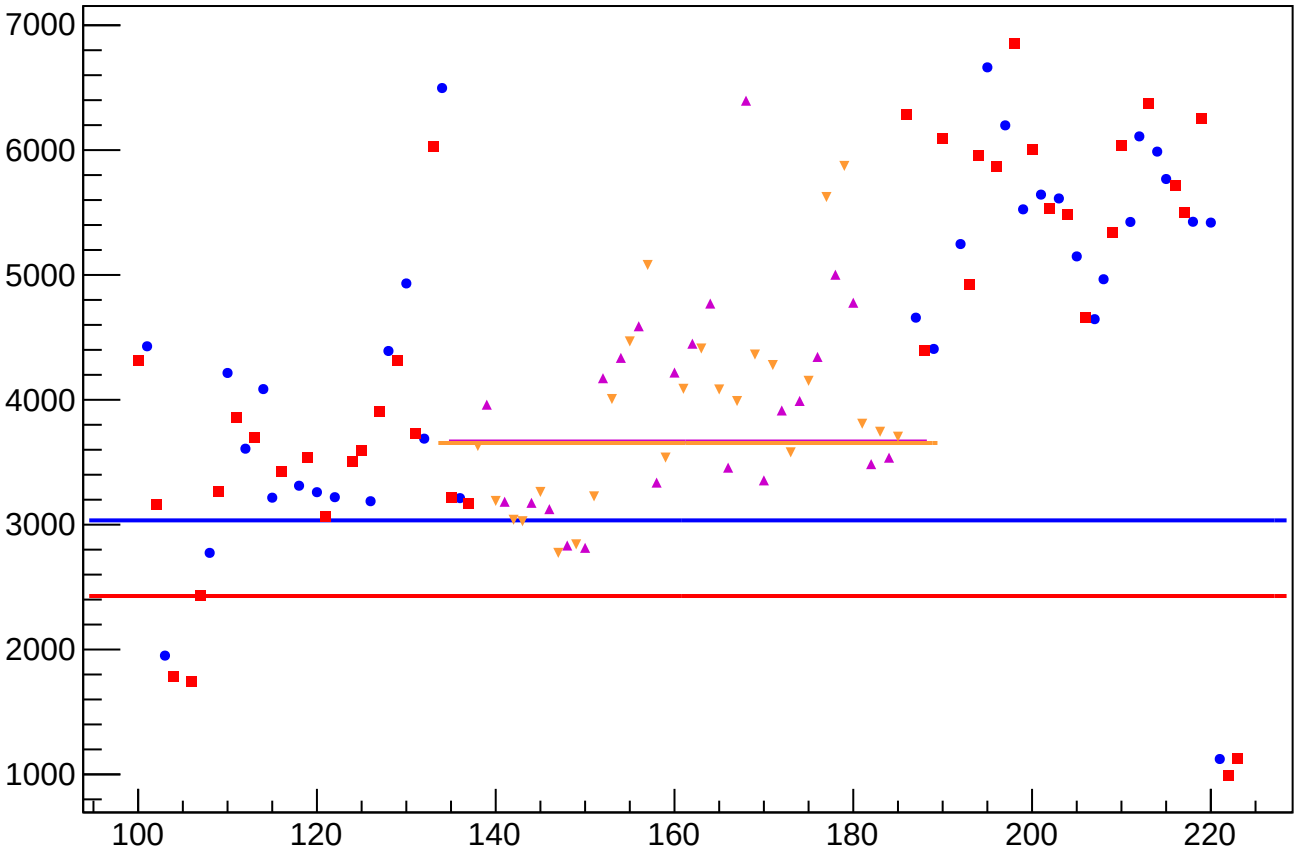
Right Out: -317.677+/-636.242 χ^2/NDF: 42.6/37

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 5.676+/-564.984 χ^2/NDF: 68.0/58

All: -112.225+/-380.460 χ^2/NDF: 124.8/119

- sign -210.049+/-514.638 χ^2/NDF: 56.7/60


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
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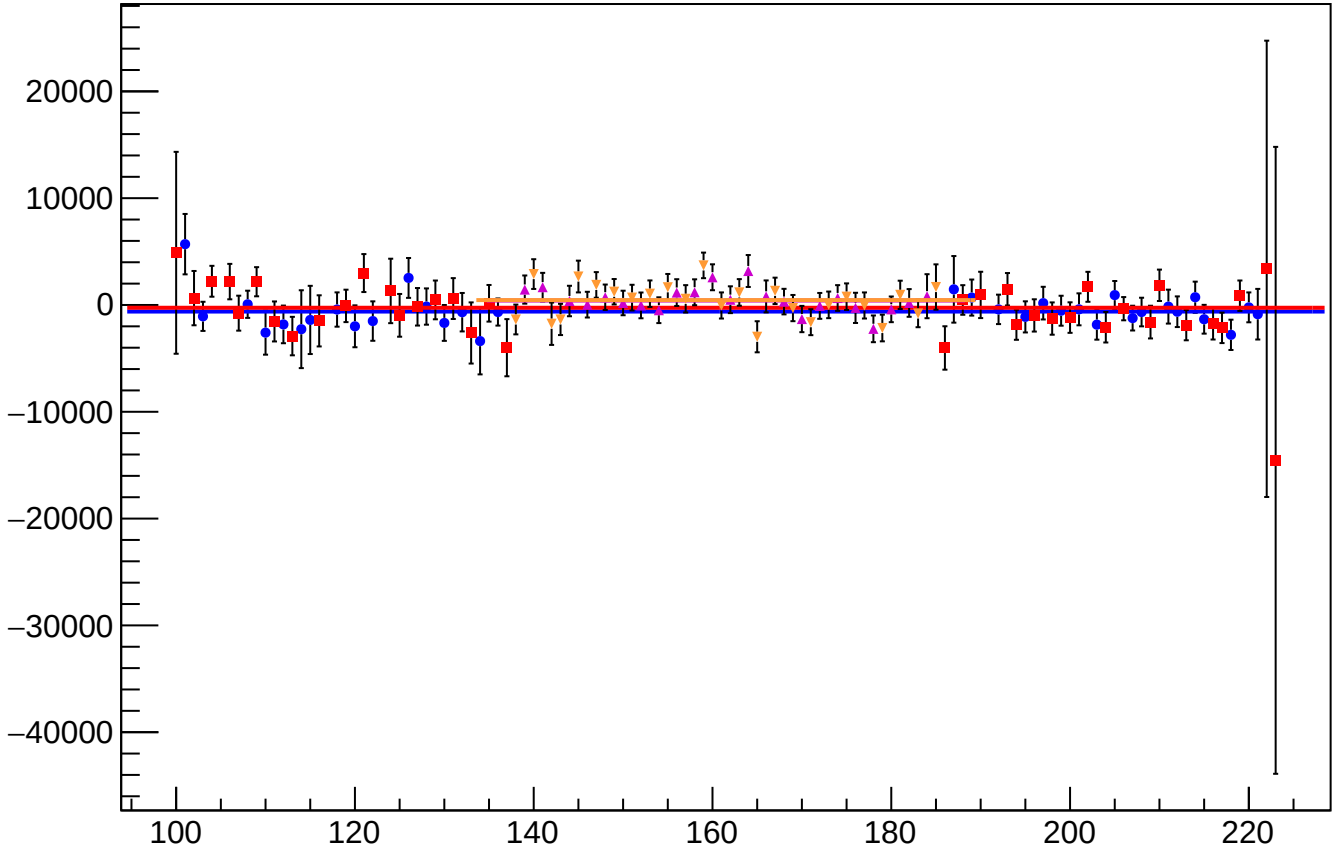
120
140
160
180
200
220
Right In: 3034.359+/-0.535 χ²/NDF: 11245134.2/33
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 2428.652+/-0.450 χ²/NDF: 15449658.2/37
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
+ sign 3307.949+/-0.400 χ²/NDF: 13150432.4/58
All: 3061.205+/-0.269 χ²/NDF: 33257438.8/1
- sign 2856.477+/-0.364 χ²/NDF: 19409039.7/60

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -615.000+/-274.453 χ^2/NDF: 19.4/33

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -260.257+/-274.920 χ^2/NDF: 37.5/37

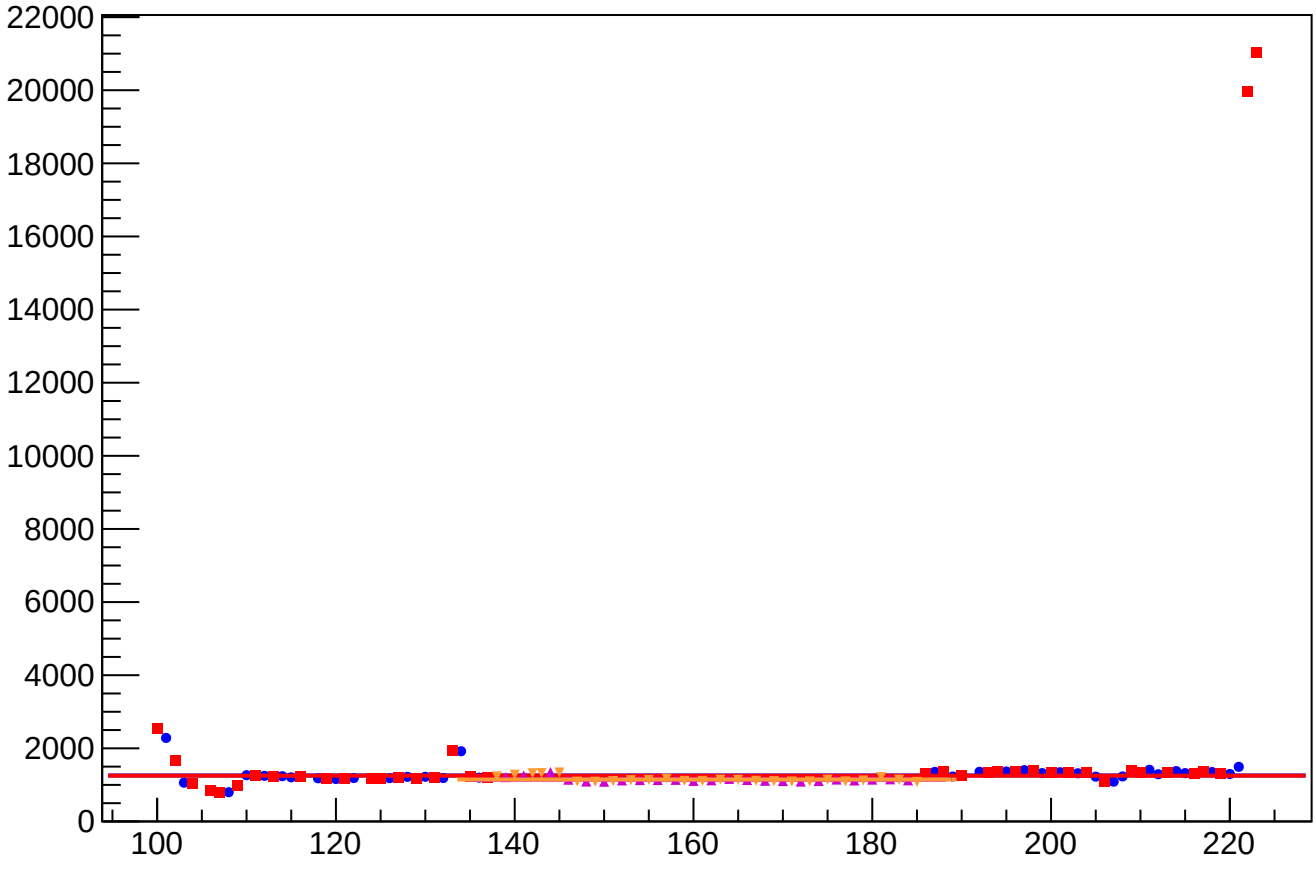
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign -52.771+/-189.134 χ^2/NDF: 63.6/58

All: 17.228+/-134.526 χ^2/NDF: 121.8/119

- sign 88.901+/-191.382 χ^2/NDF: 58.0/60

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1258.278+/-0.194 χ^2/NDF: 851388.6/33

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1251.962+/-0.194 χ^2/NDF: 3239802.5/37

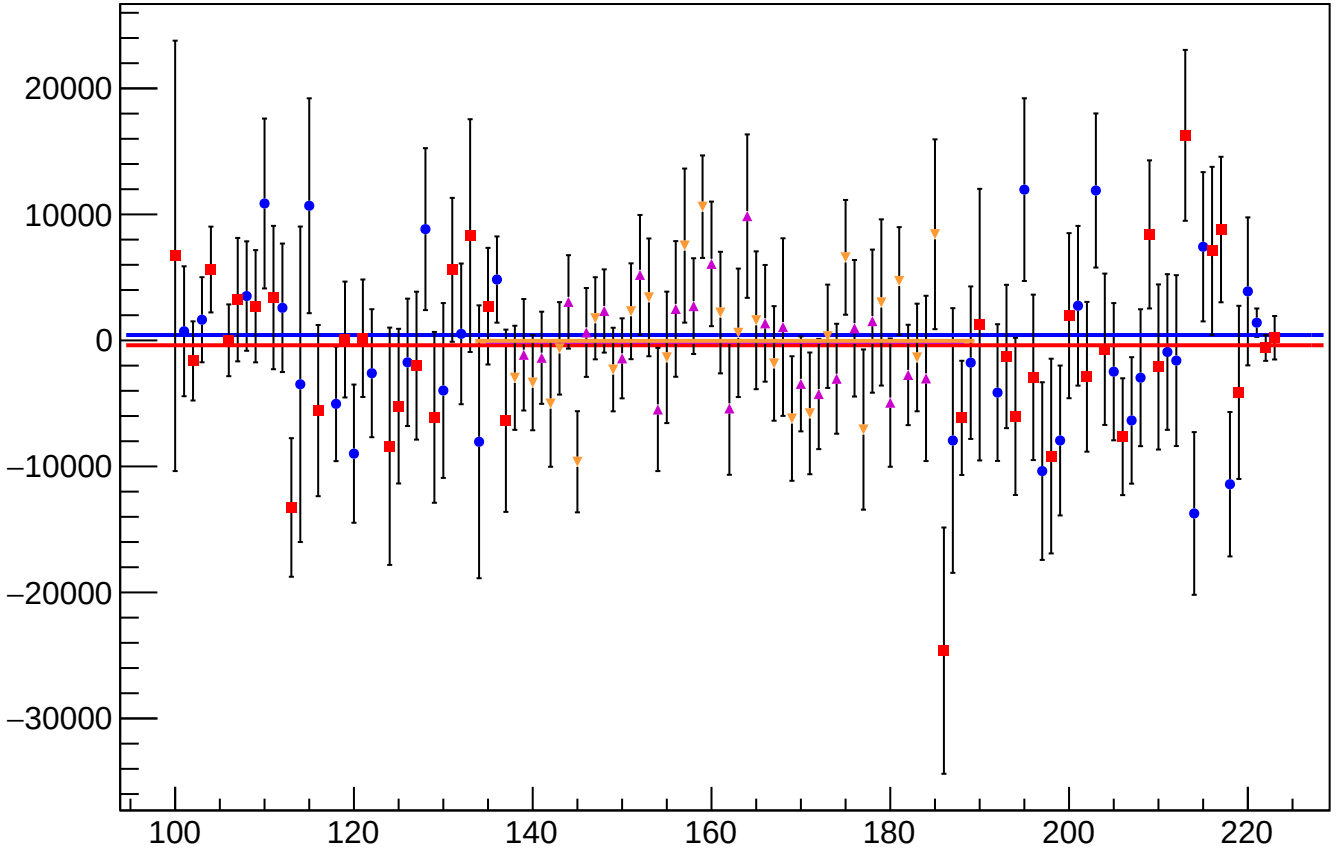
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1199.643+/-0.134 χ^2/NDF: 1166248.5/58

All: 1197.030+/-0.095 χ^2/NDF: 4662041.9/11

- sign 1194.354+/-0.135 χ^2/NDF: 3495020.8/60

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 427.707+/-738.409 χ^2/NDF: 40.3/33

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -384.146+/-631.078 χ^2/NDF: 41.7/37

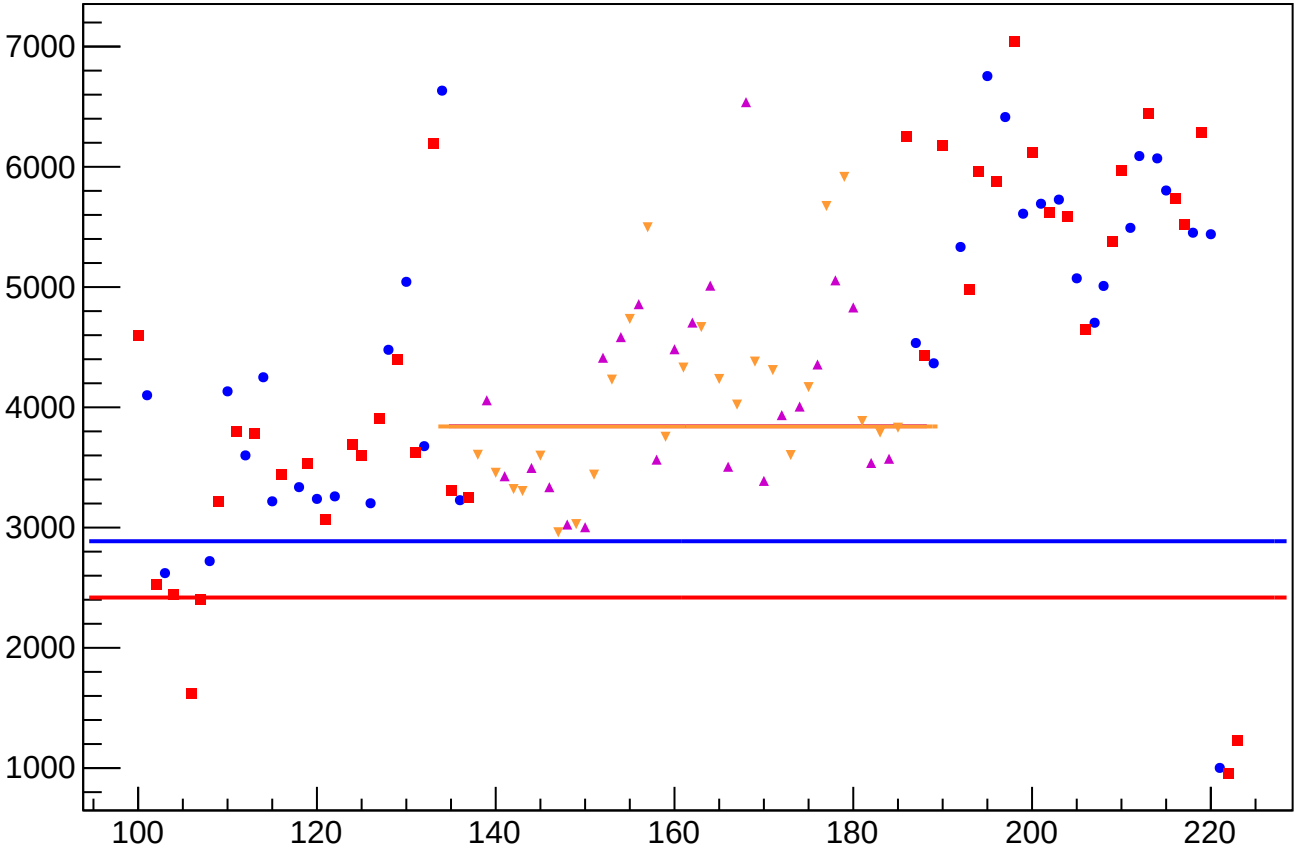
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 239.992+/-568.639 χ^2/NDF: 68.2/58

All: -53.960+/-383.592 χ^2/NDF: 124.2/119

- sign -299.427+/-519.630 χ^2/NDF: 55.5/60

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 2886.510+/-0.522 χ^2/NDF: 12852821.1/33

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 2418.362+/-0.446 χ^2/NDF: 15682817.7/37

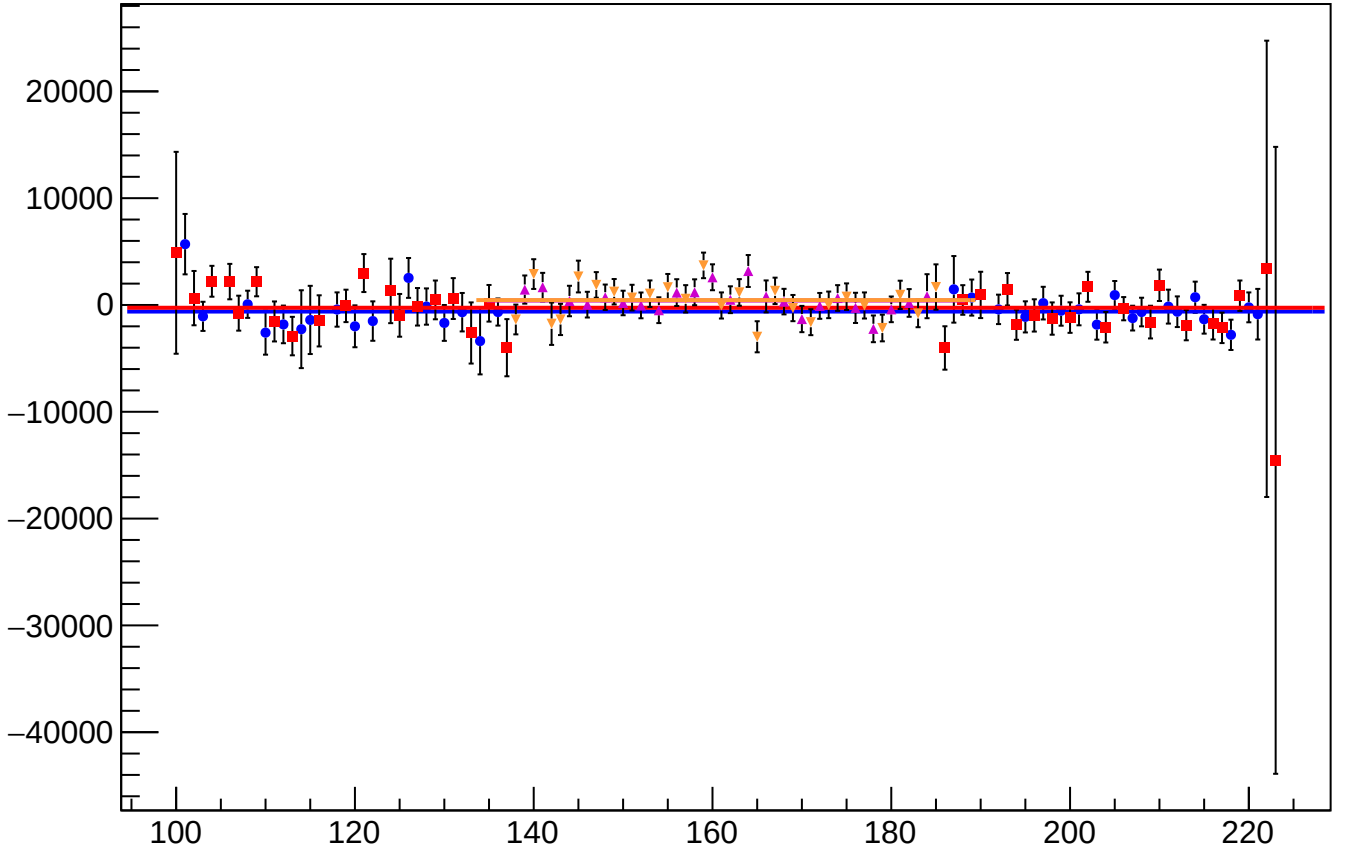
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3274.885+/-0.402 χ^2/NDF: 15330996.1/58

All: 3058.178+/-0.271 χ^2/NDF: 36026443.5/1

- sign 2877.215+/-0.367 χ^2/NDF: 20162415.8/60

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -614.995+/-274.453 χ^2/NDF: 19.4/33

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -260.257+/-274.920 χ^2/NDF: 37.5/37

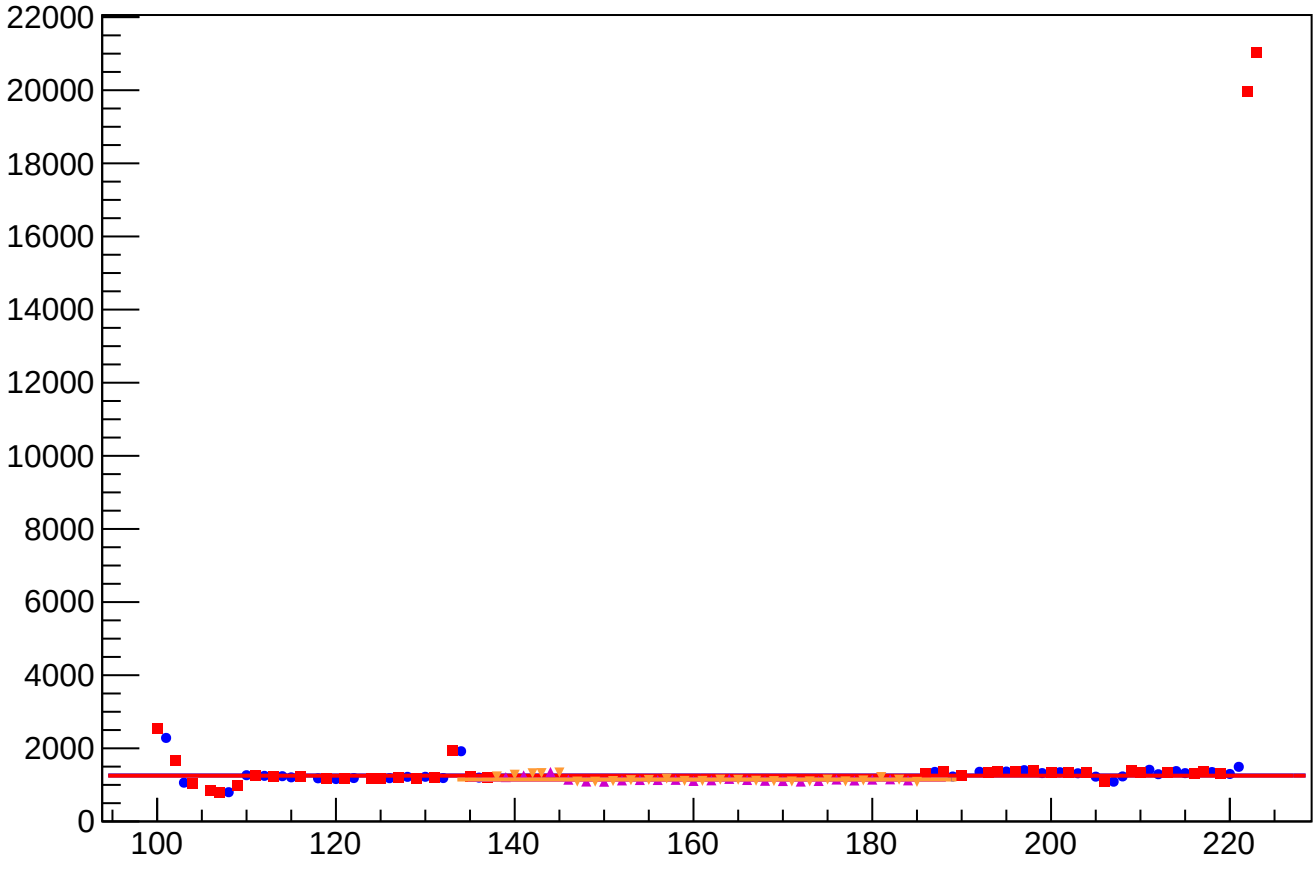
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign -52.766+/-189.134 χ^2/NDF: 63.6/58

All: 17.230+/-134.526 χ^2/NDF: 121.8/119

- sign 88.900+/-191.382 χ^2/NDF: 58.0/60

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1258.277+/-0.194 χ^2/NDF: 851389.5/33

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

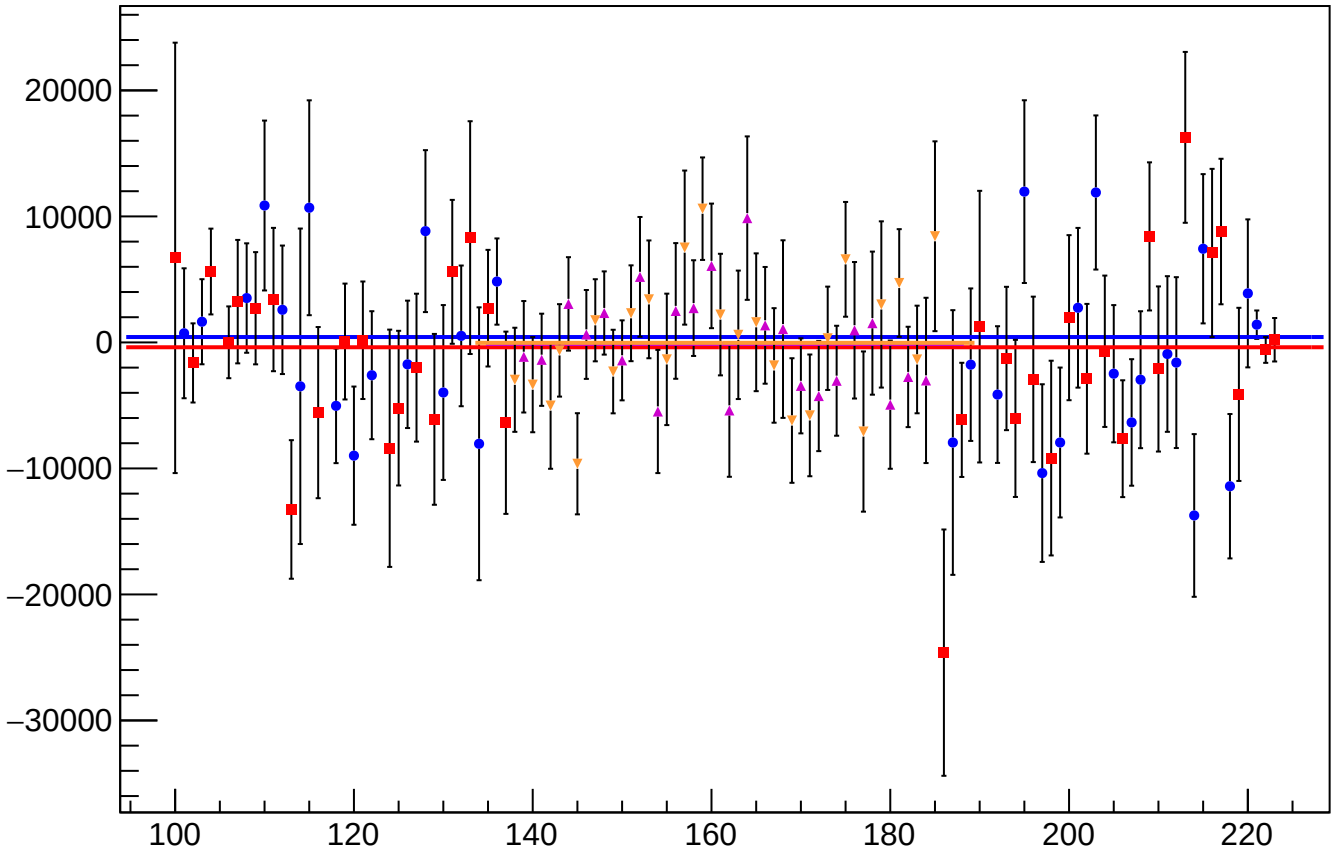
Right Out: 1251.962+/-0.194 χ^2/NDF: 3239801.9/37

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1199.643+/-0.134 χ^2/NDF: 1166247.3/58

All: 1197.030+/-0.095 χ^2/NDF: 4662038.0/11

- sign 1194.355+/-0.135 χ^2/NDF: 3495018.0/60



Right In: 427.703+/-738.408 χ^2/NDF: 40.3/33

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

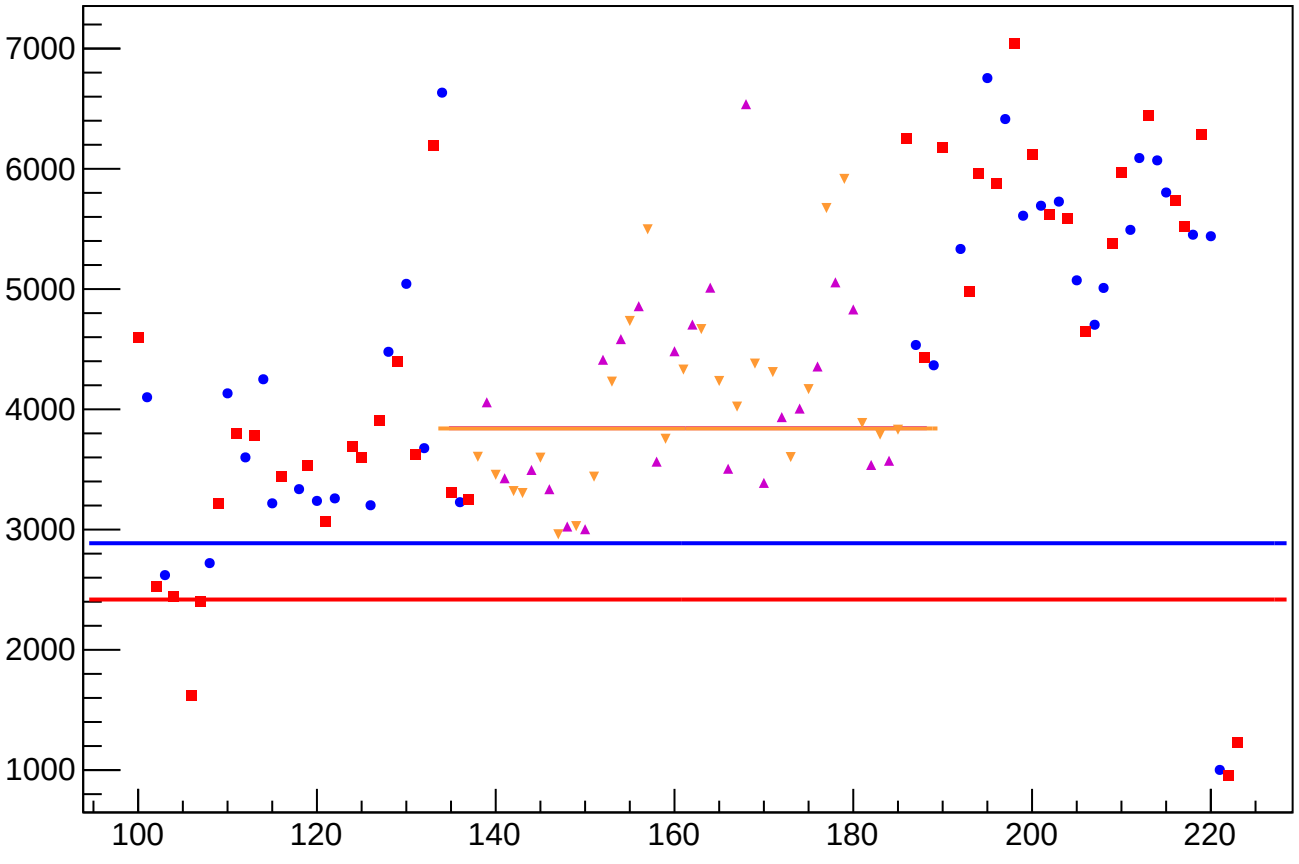
Right Out: -384.142+/-631.078 χ^2/NDF: 41.7/37

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 239.990+/-568.639 χ^2/NDF: 68.2/58

All: -53.960+/-383.593 χ^2/NDF: 124.2/119

- sign -299.425+/-519.631 χ^2/NDF: 55.5/60



Right In: 2886.508+/-0.522 χ^2/NDF: 12852838.9/33

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 2418.365+/-0.446 χ^2/NDF: 15682796.7/37

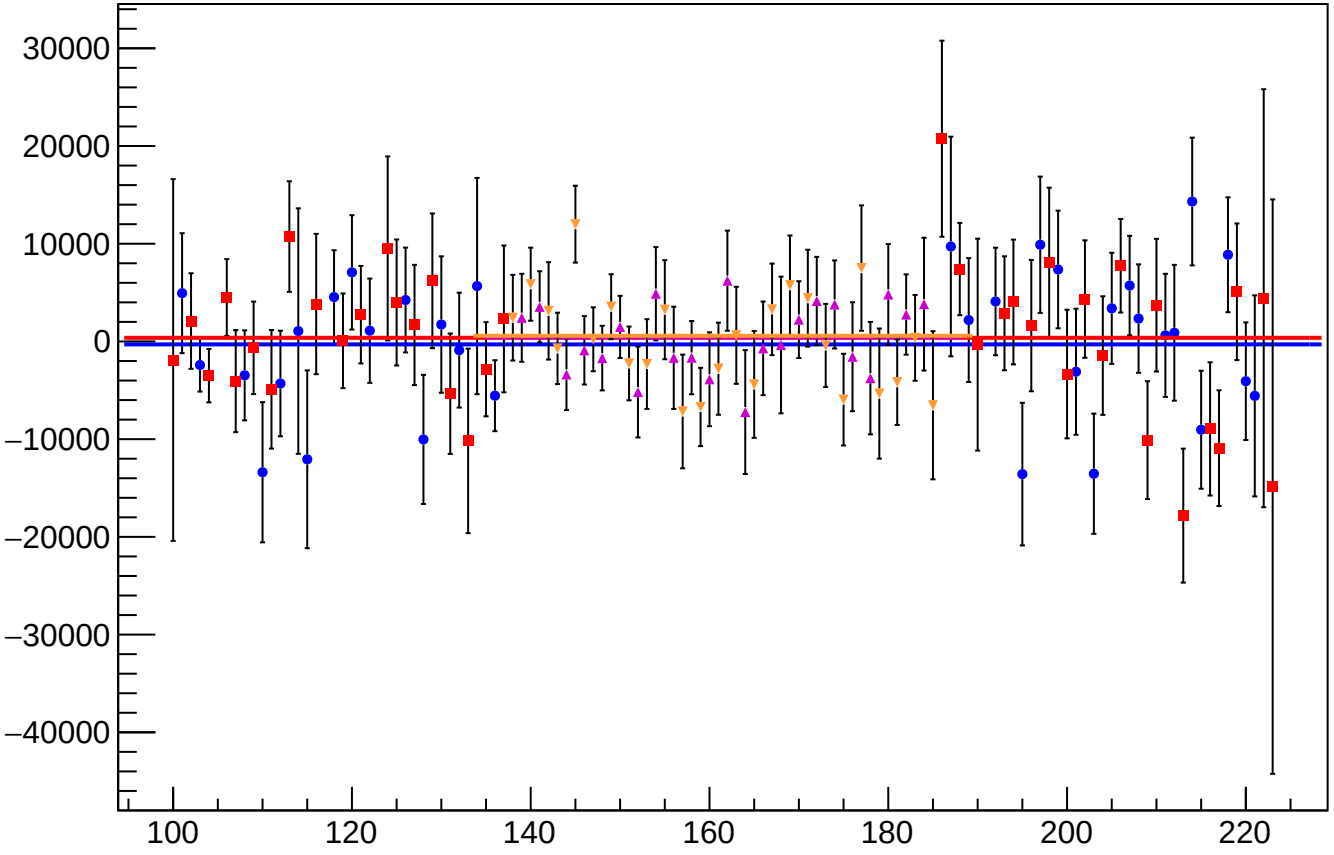
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3274.885+/-0.402 χ^2/NDF: 15331034.6/58

All: 3058.179+/-0.271 χ^2/NDF: 36026461.2/1

- sign 2877.218+/-0.367 χ^2/NDF: 20162402.8/60

asym_usr_atr2_dd_mean vs Slug



Right In: -301.951+/-986.244 χ^2/NDF: 41.2/33

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 373.288+/-957.967 χ^2/NDF: 41.0/37

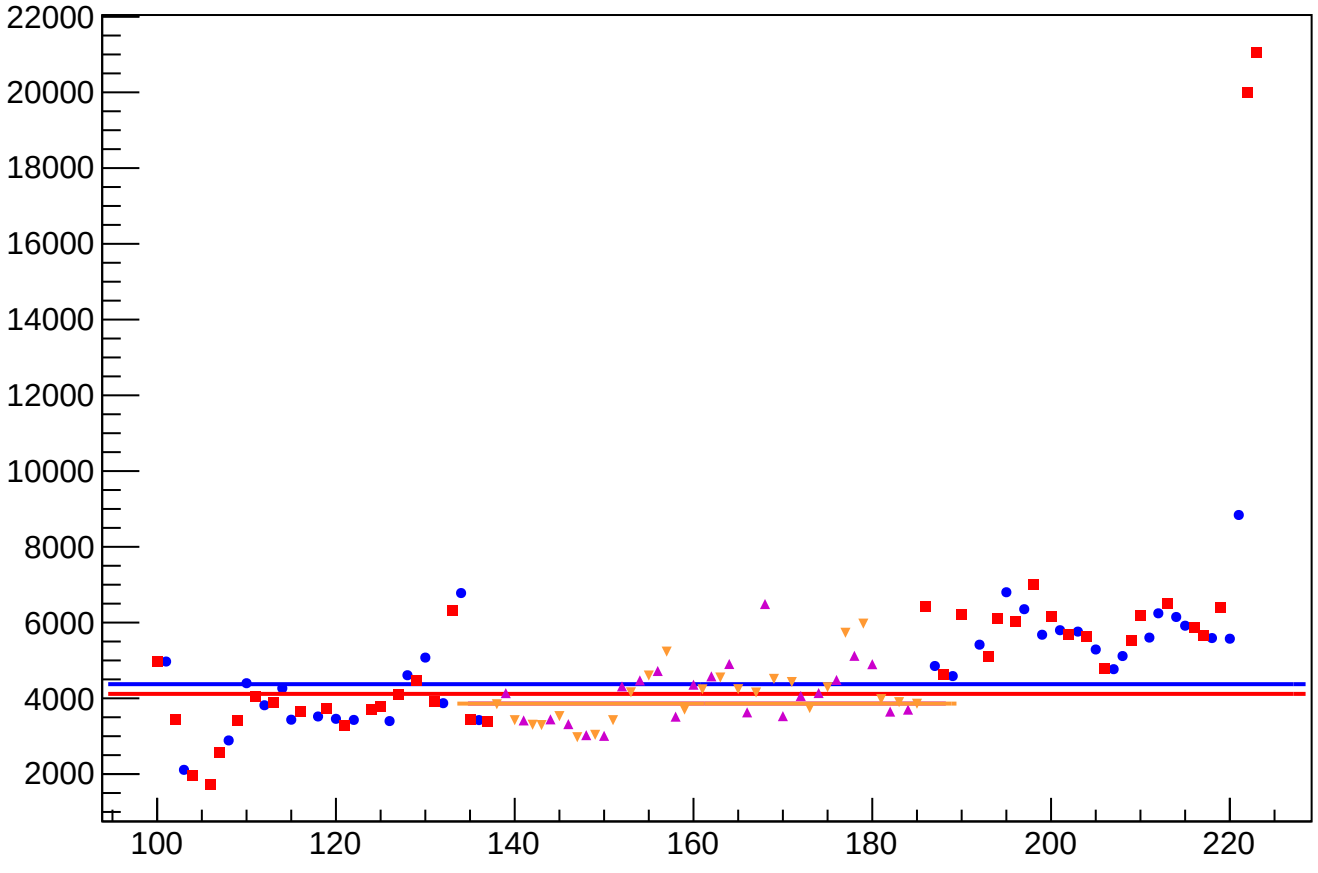
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 183.547+/-662.736 χ^2/NDF: 69.0/58

All: 289.676+/-468.782 χ^2/NDF: 122.5/119

- sign 395.949+/-663.181 χ^2/NDF: 53.4/60

asym_usr_atr2_dd_rms vs Slug



Right In: 4373.736+/-0.697 χ^2/NDF: 4059099.9/33

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

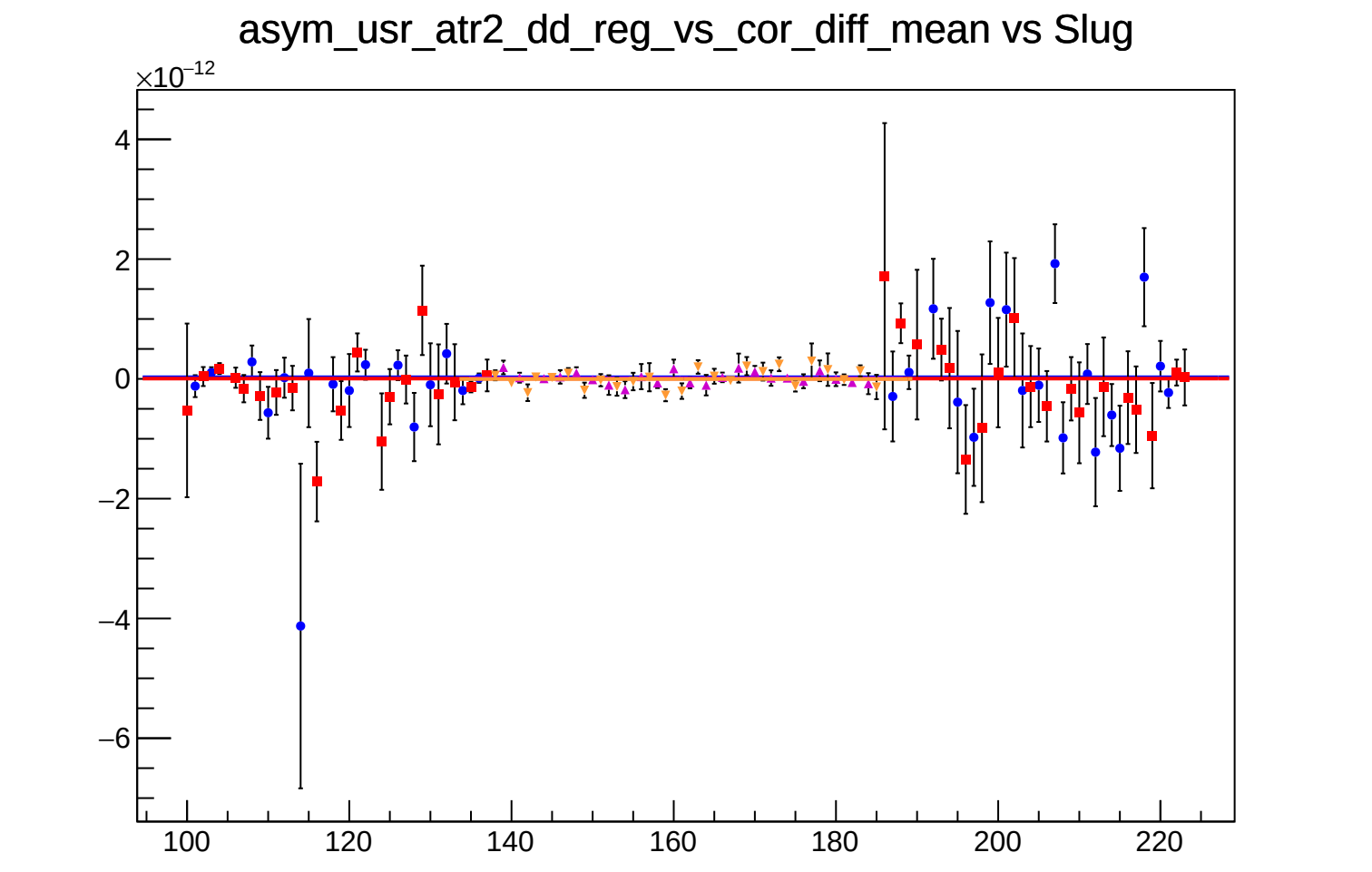
Right Out: 4117.080+/-0.670 χ^2/NDF: 6969929.6/37

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 4092.275+/-0.469 χ^2/NDF: 5453398.6/58

All: 4038.780+/-0.331 χ^2/NDF: 13665902.5/1

- sign 3985.748+/-0.467 χ^2/NDF: 8186555.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

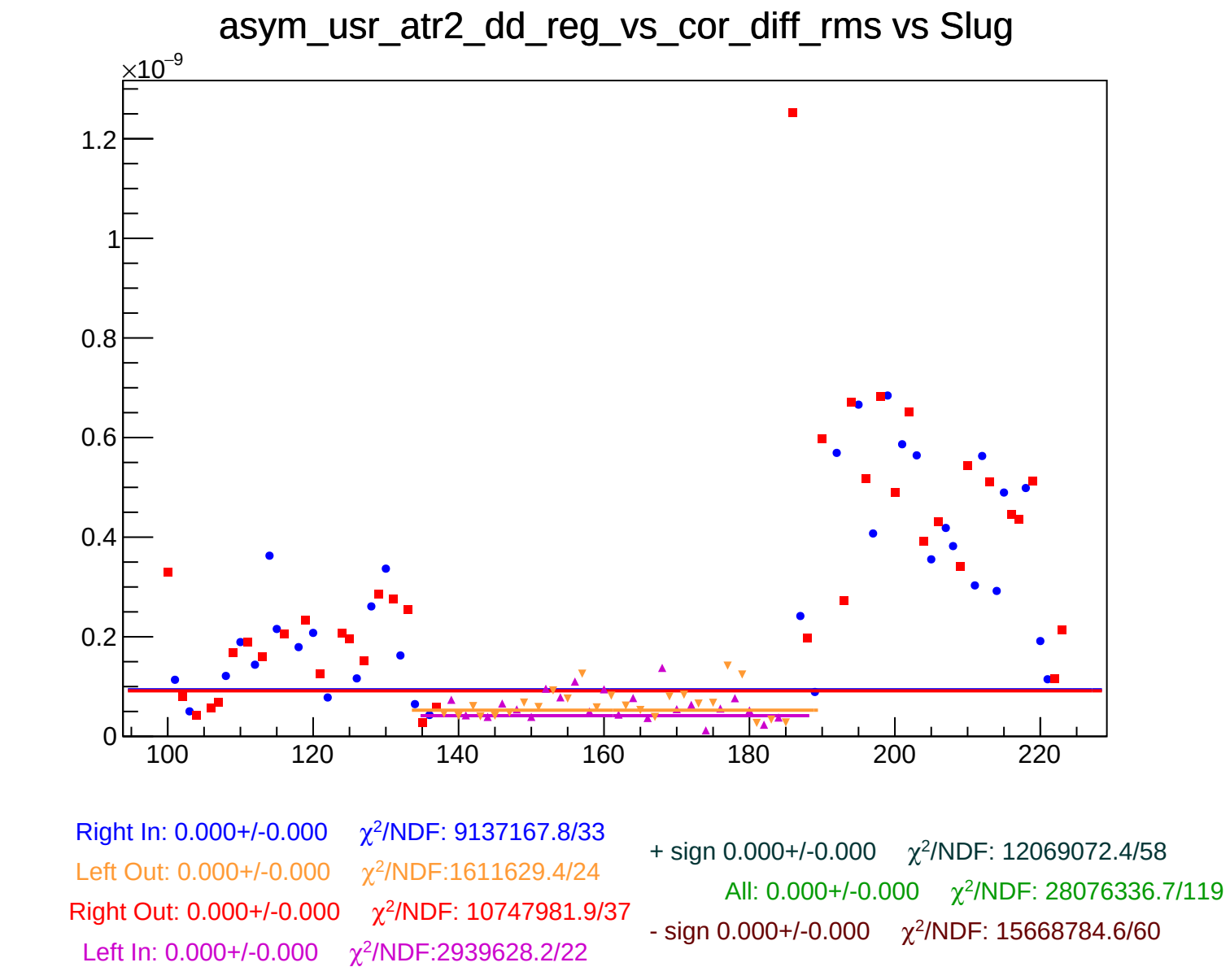
Right Out: 0.000+/-0.000 χ^2/NDF: 38.3/37

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

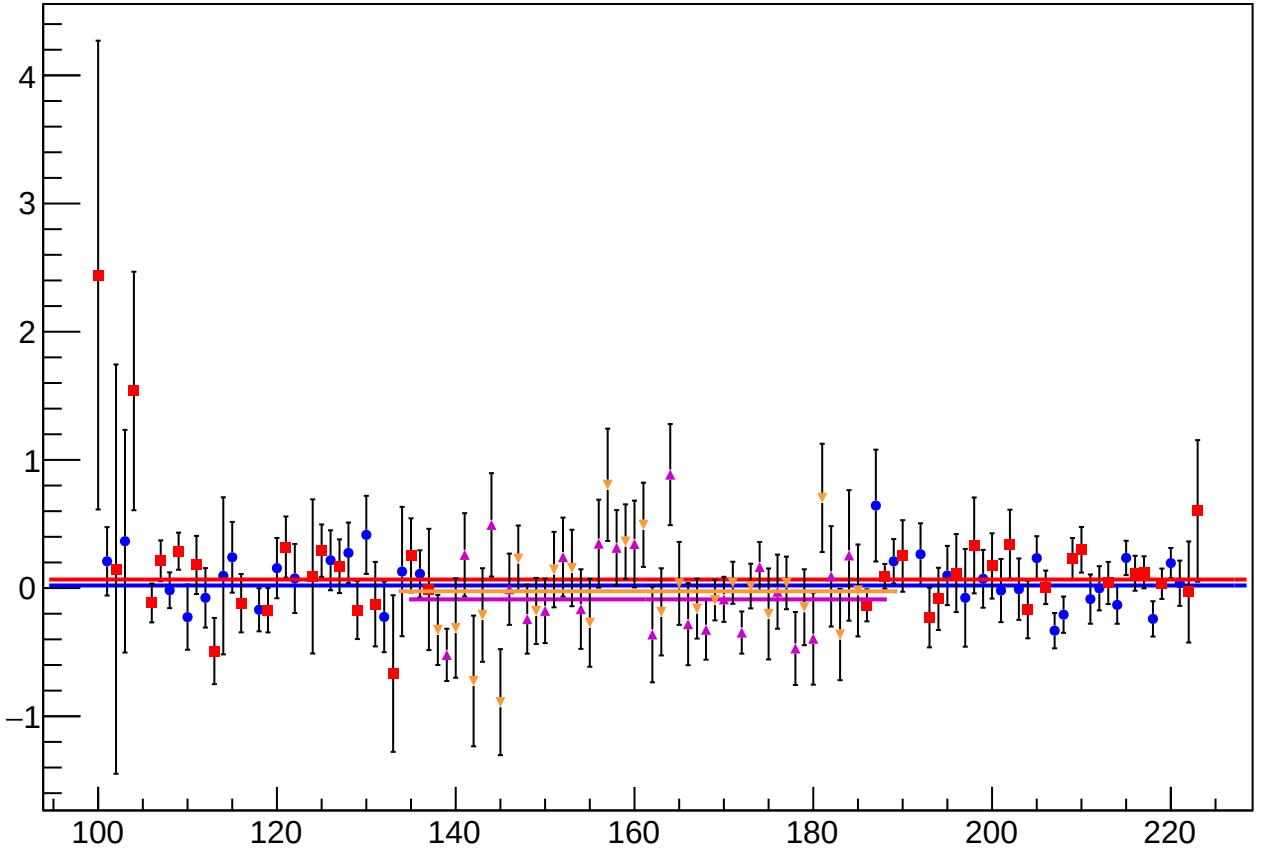
\+ sign 0.000+/-0.000 χ^2/NDF: 76.0/58

All: 0.000+/-0.000 χ^2/NDF: 127.1/119

\- sign 0.000+/-0.000 χ^2/NDF: 51.2/60


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9137167.8/33
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 10747981.9/37
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
+ sign 0.000+/-0.000 χ²/NDF: 12069072.4/58
All: 0.000+/-0.000 χ²/NDF: 28076336.7/119
- sign 0.000+/-0.000 χ²/NDF: 15668784.6/60

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.067+/-0.032 χ^2/NDF: 34.5/37

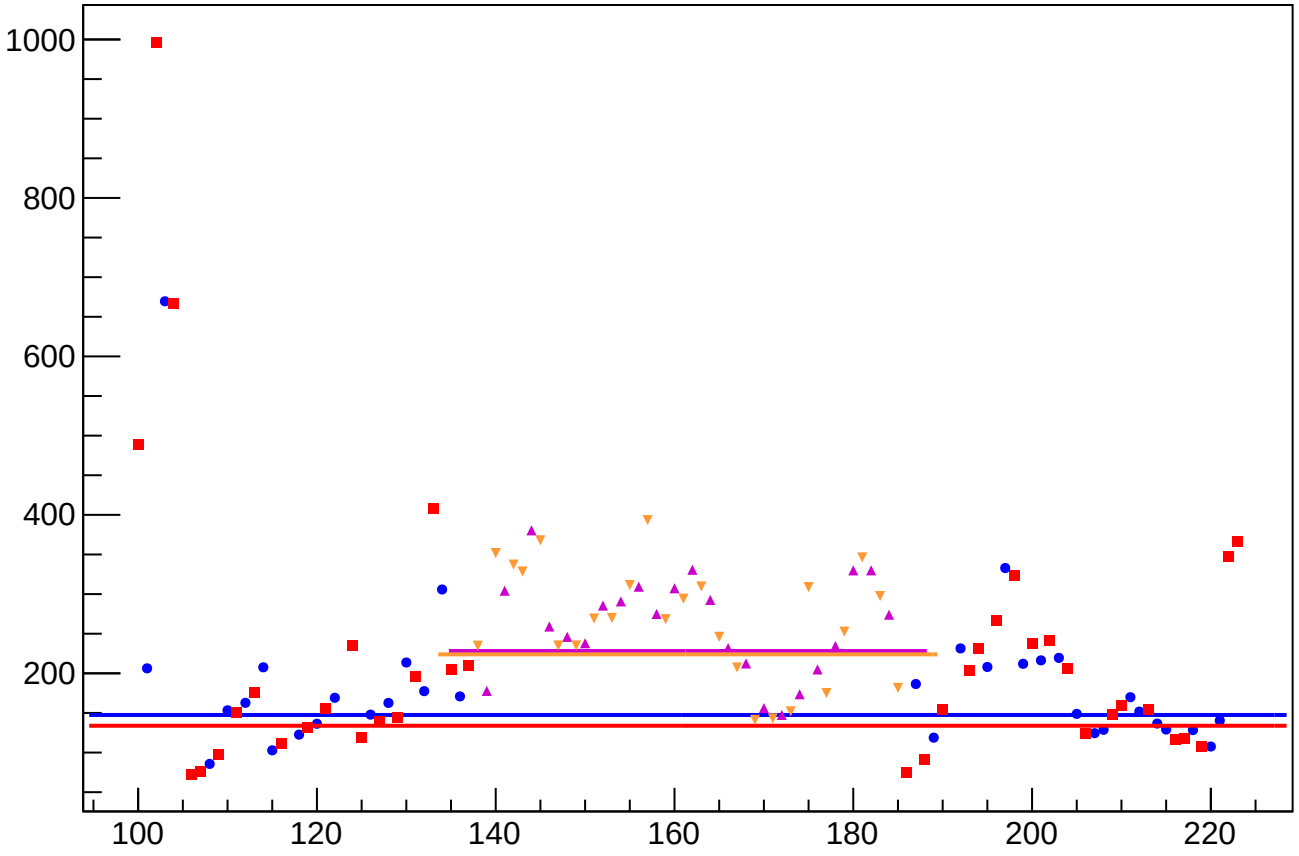
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.029 χ^2/NDF: 58.3/58

All: 0.019+/-0.020 χ^2/NDF: 128.8/119

- sign 0.030+/-0.028 χ^2/NDF: 70.2/60

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 147.439+/-0.024 χ^2/NDF: 3573063.1/33

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.839+/-0.023 χ^2/NDF: 7168704.6/37

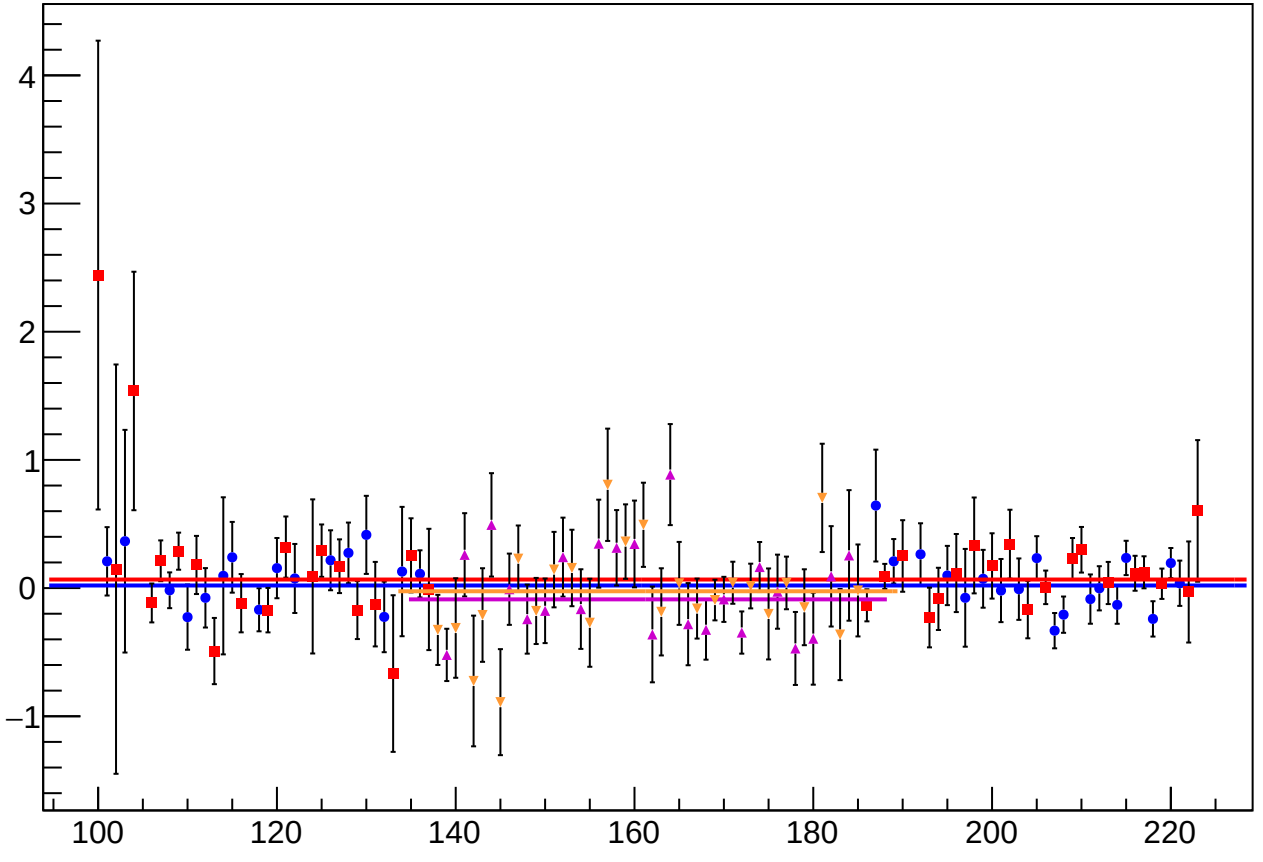
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 168.752+/-0.020 χ^2/NDF: 9844369.4/58

All: 162.437+/-0.014 χ^2/NDF: 23899165.3/11

- sign 156.559+/-0.020 χ^2/NDF: 13869345.8/60

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.067+/-0.032 χ^2/NDF: 34.5/37

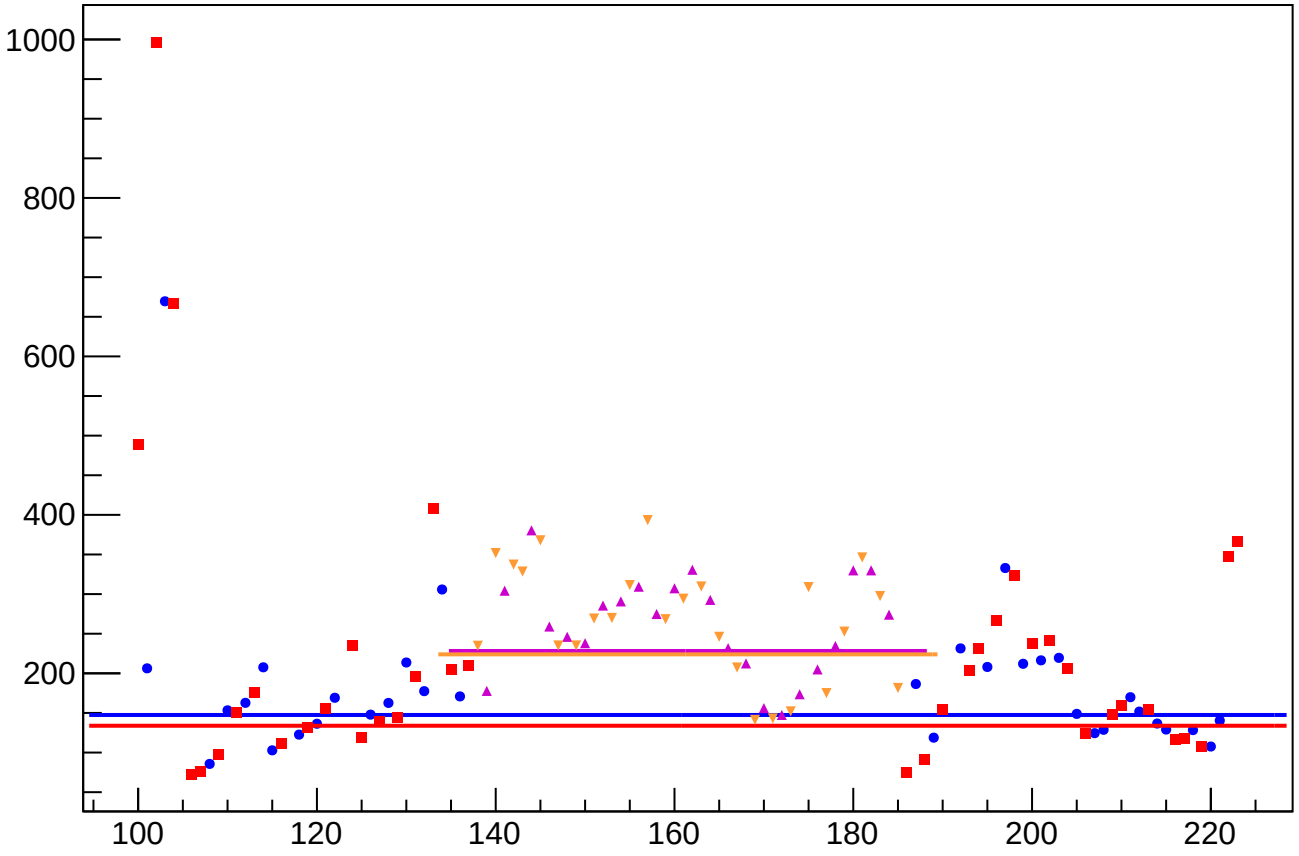
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.029 χ^2/NDF: 58.3/58

All: 0.019+/-0.020 χ^2/NDF: 128.8/119

- sign 0.030+/-0.028 χ^2/NDF: 70.2/60

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.439+/-0.024 χ^2/NDF: 3573063.1/33

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.839+/-0.023 χ^2/NDF: 7168704.6/37

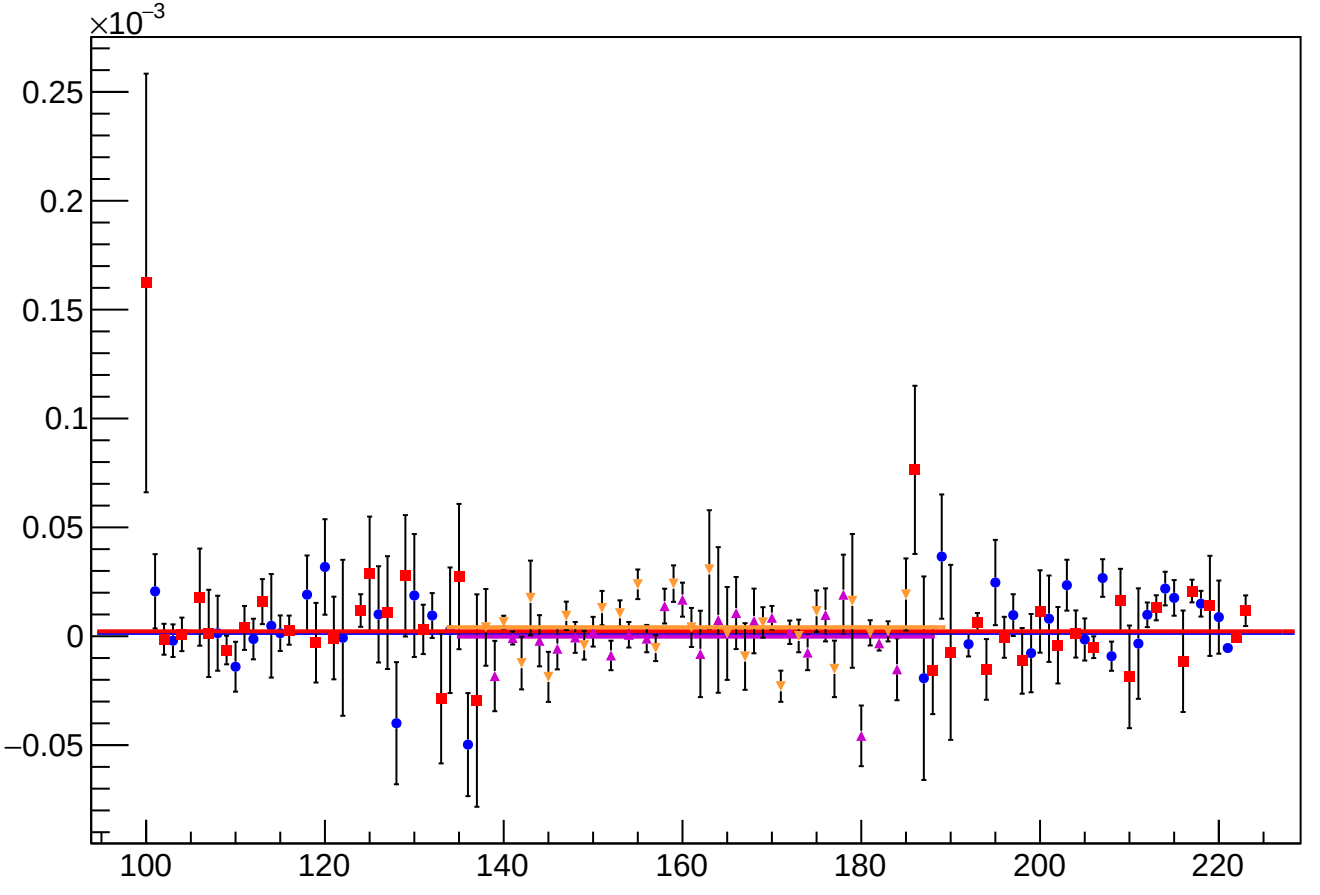
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 168.752+/-0.020 χ^2/NDF: 9844369.4/58

All: 162.437+/-0.014 χ^2/NDF: 23899165.3/11

- sign 156.559+/-0.020 χ^2/NDF: 13869345.8/60

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 62.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.6/37

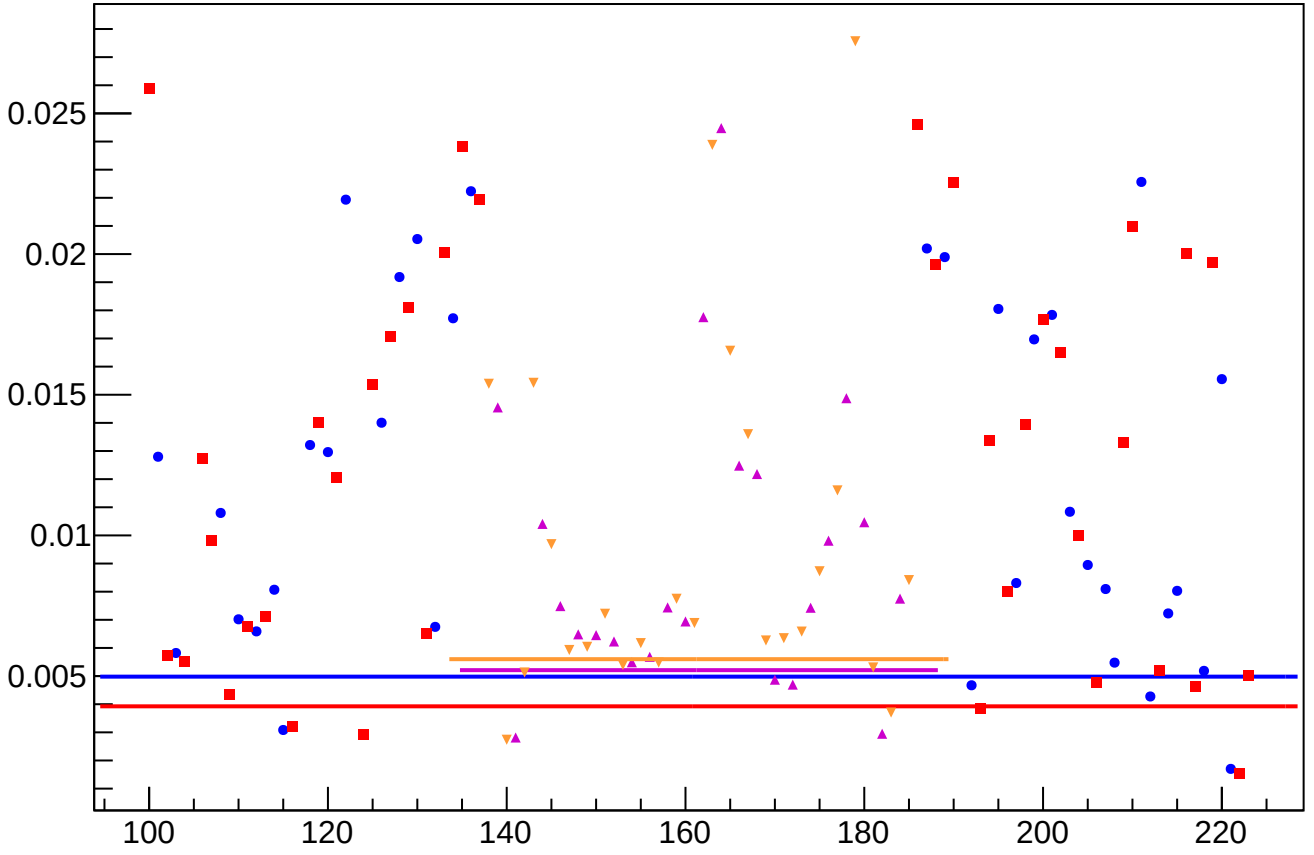
Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 112.7/58

All: 0.000+/-0.000 χ^2/NDF: 192.3/119

- sign 0.000+/-0.000 χ^2/NDF: 78.4/60

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 16411037.5/33

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 20672234.5/37

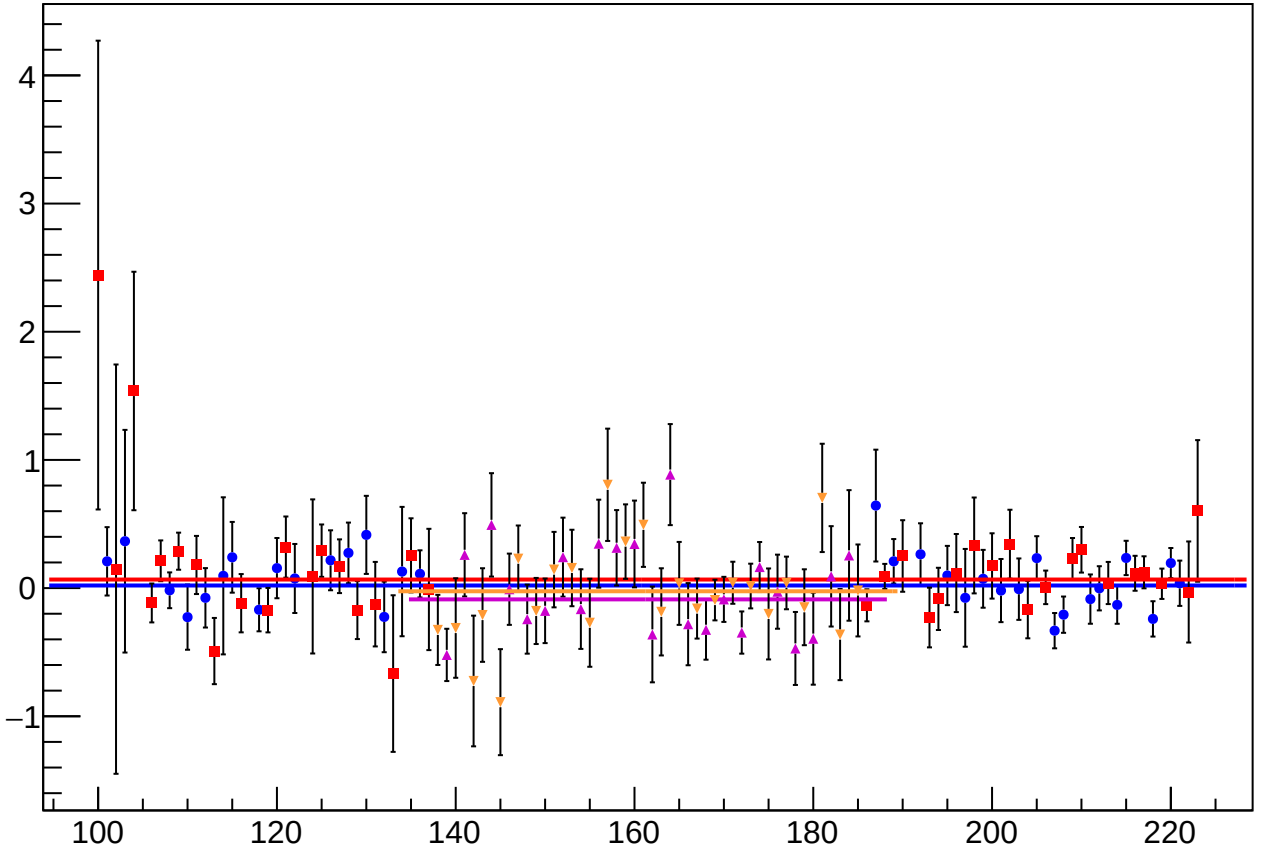
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.005+/-0.000 χ^2/NDF: 24364176.4/58

All: 0.005+/-0.000 χ^2/NDF: 54242423.3/119

- sign 0.004+/-0.000 χ^2/NDF: 29106251.0/60

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.067+/-0.032 χ^2/NDF: 34.5/37

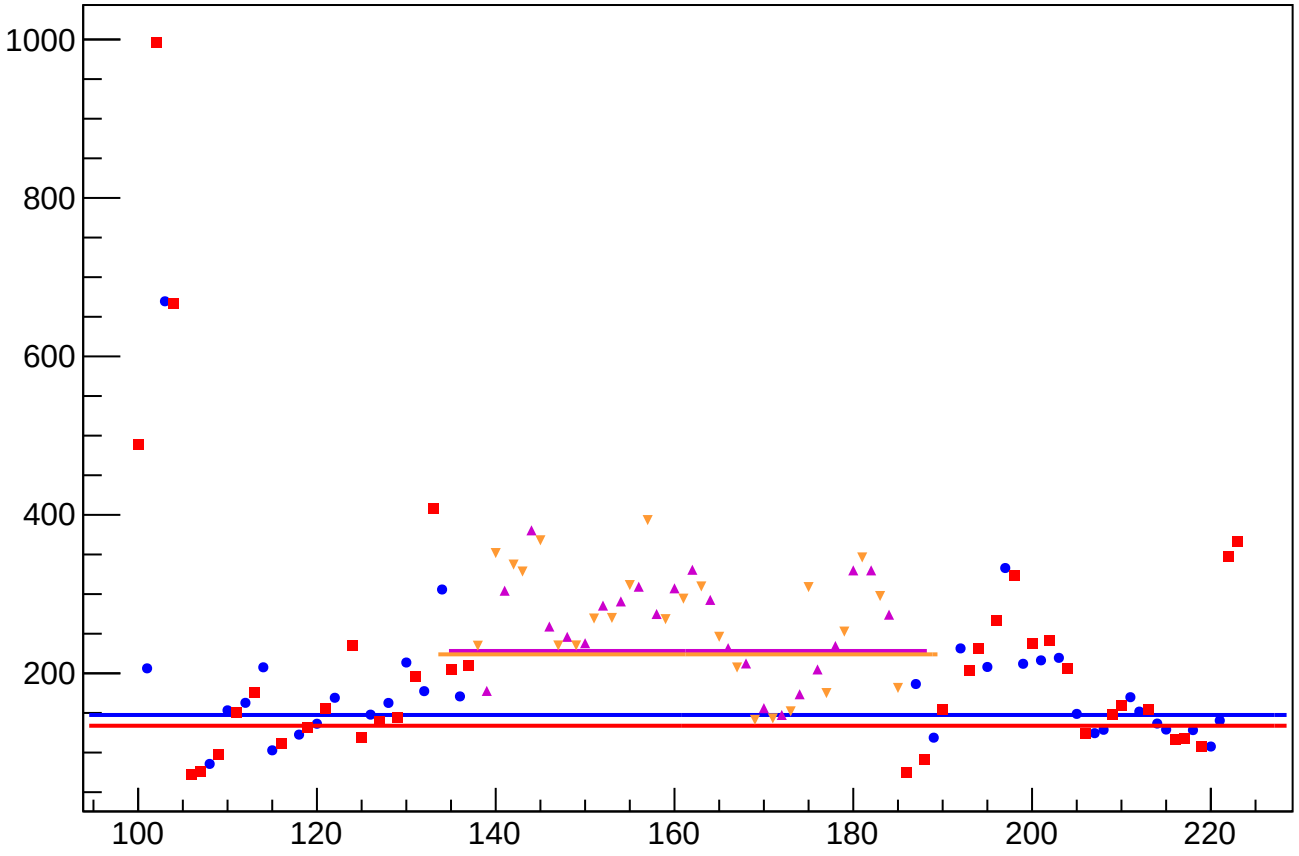
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.029 χ^2/NDF: 58.3/58

All: 0.019+/-0.020 χ^2/NDF: 128.8/119

- sign 0.030+/-0.028 χ^2/NDF: 70.2/60

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.437+/-0.024 χ^2/NDF: 3573216.8/33

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

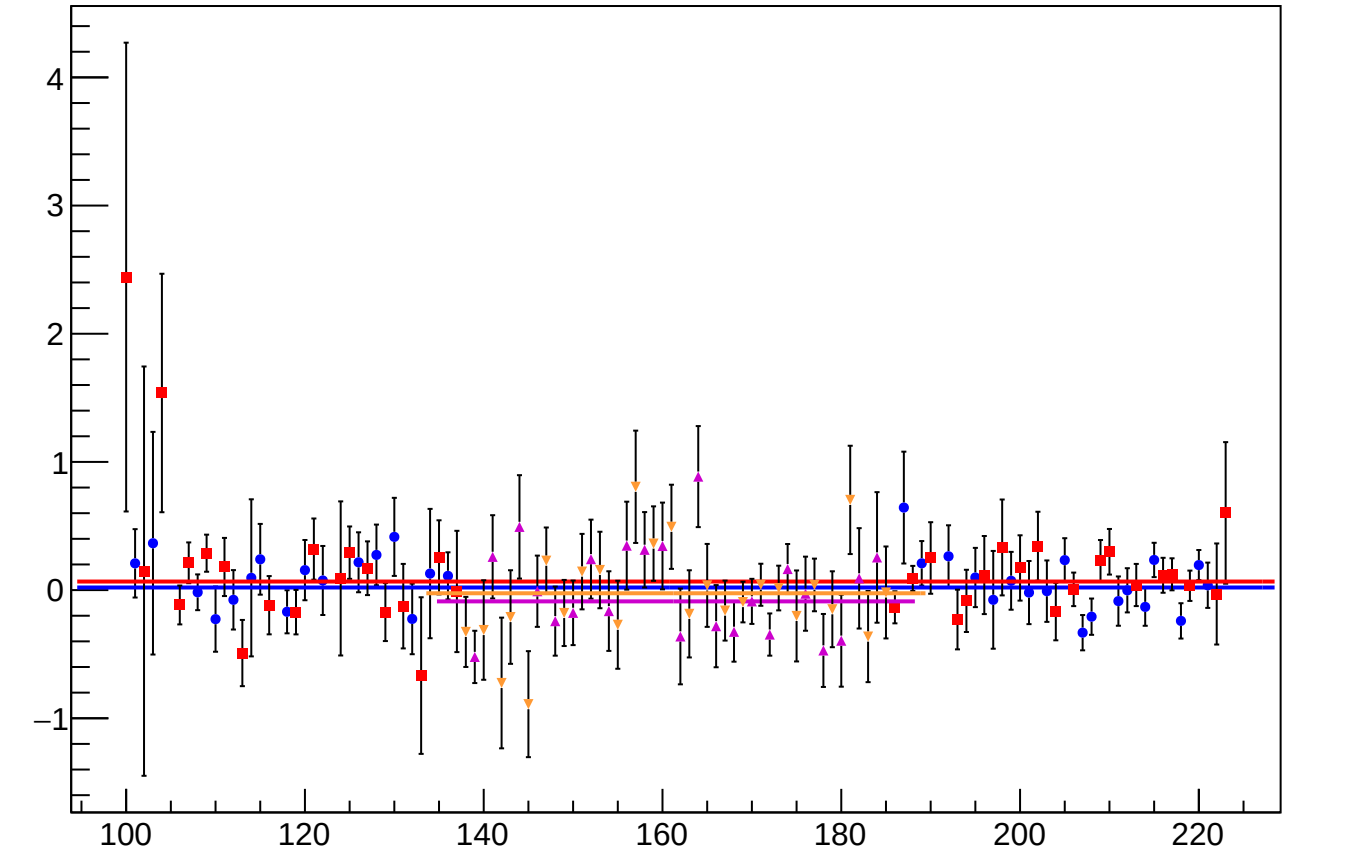
Right Out: 133.842+/-0.023 χ^2/NDF: 7168140.8/37

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 168.751+/-0.020 χ^2/NDF: 9844834.8/58

All: 162.438+/-0.014 χ^2/NDF: 23898735.6/11

- sign 156.562+/-0.020 χ^2/NDF: 13868591.8/60



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

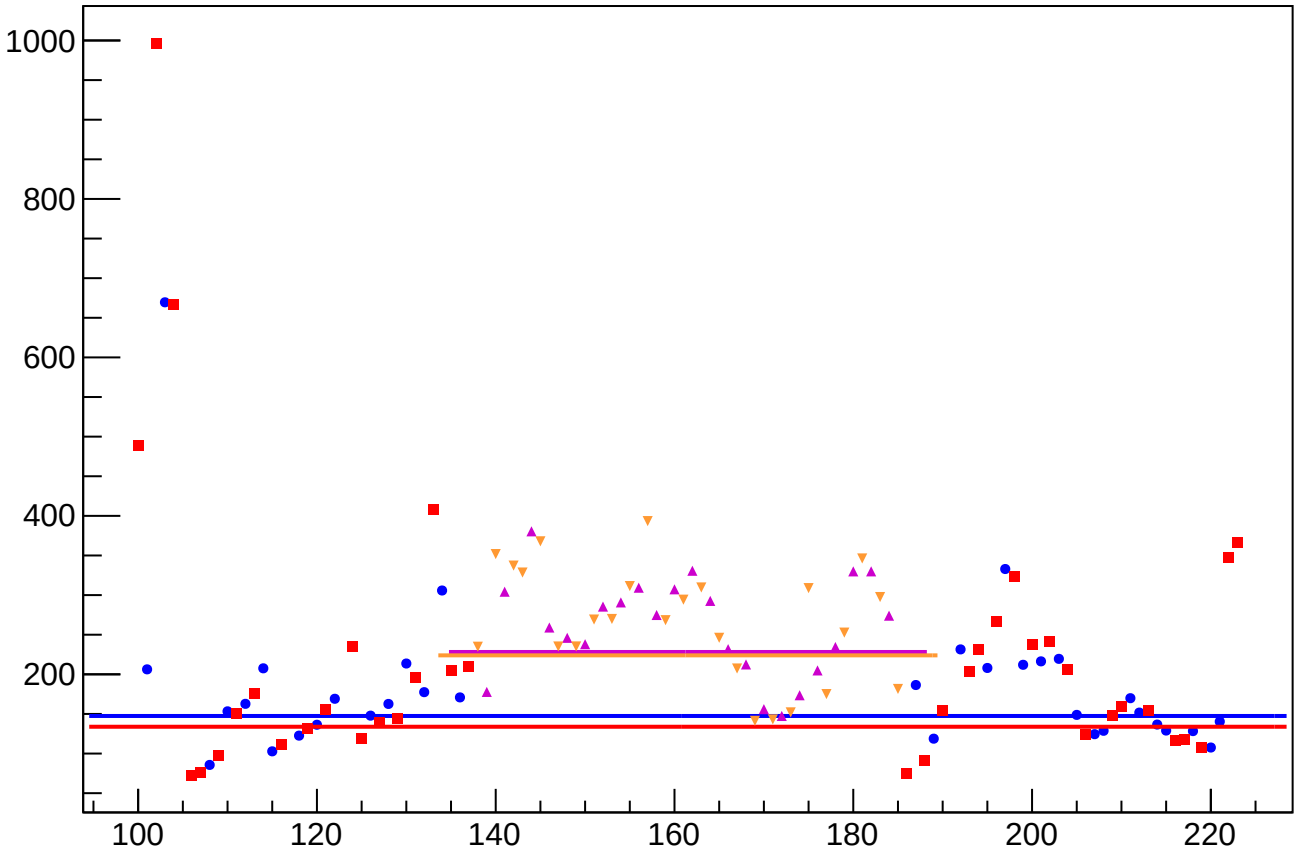
Right Out: 0.067+/-0.032 χ^2/NDF: 34.5/37

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.029 χ^2/NDF: 58.3/58

All: 0.019+/-0.020 χ^2/NDF: 128.8/119

- sign 0.030+/-0.028 χ^2/NDF: 70.2/60



Right In: 147.437+/-0.024 χ^2/NDF: 3573216.8/33

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

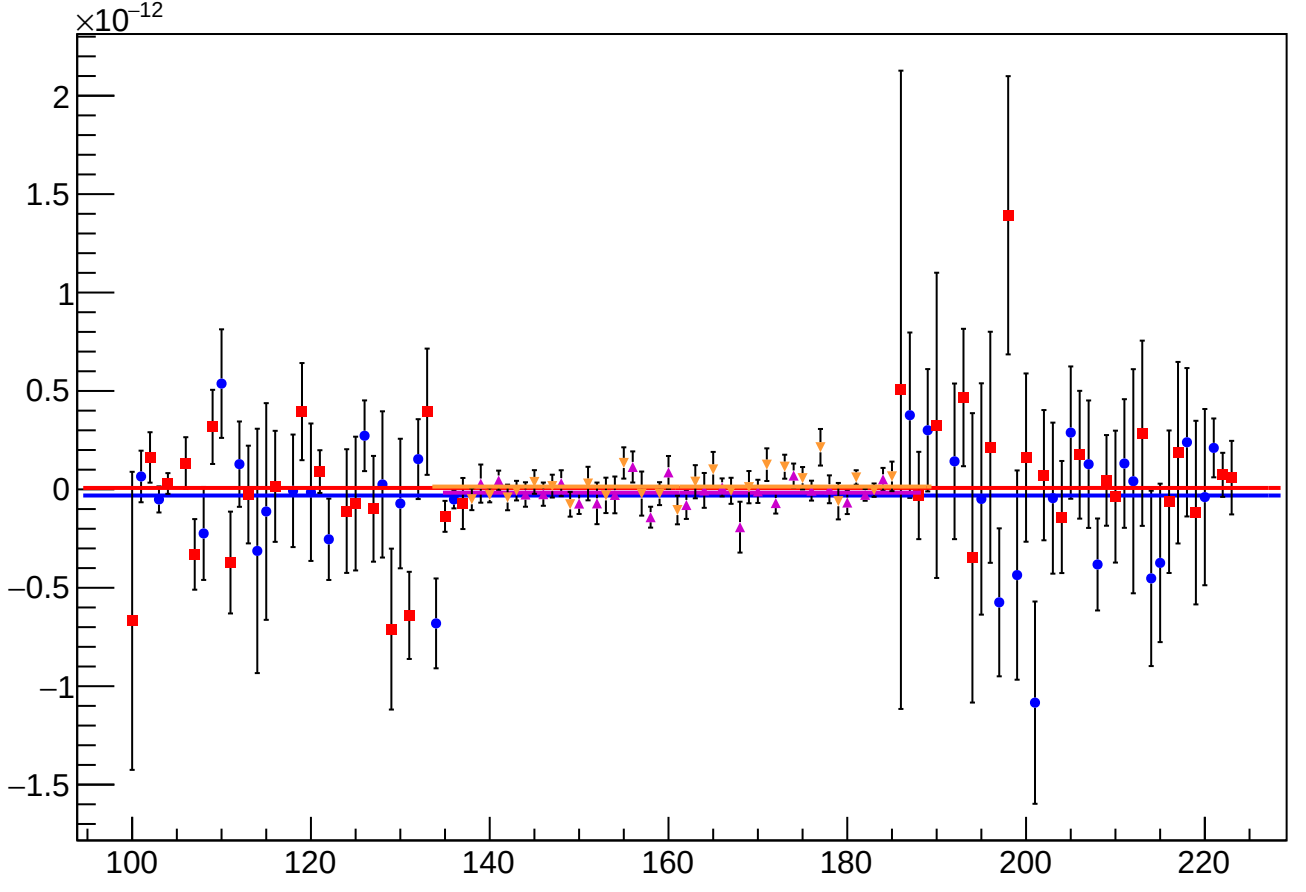
Right Out: 133.842+/-0.023 χ^2/NDF: 7168140.8/37

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 168.751+/-0.020 χ^2/NDF: 9844834.8/58

All: 162.438+/-0.014 χ^2/NDF: 23898735.6/11

- sign 156.562+/-0.020 χ^2/NDF: 13868591.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

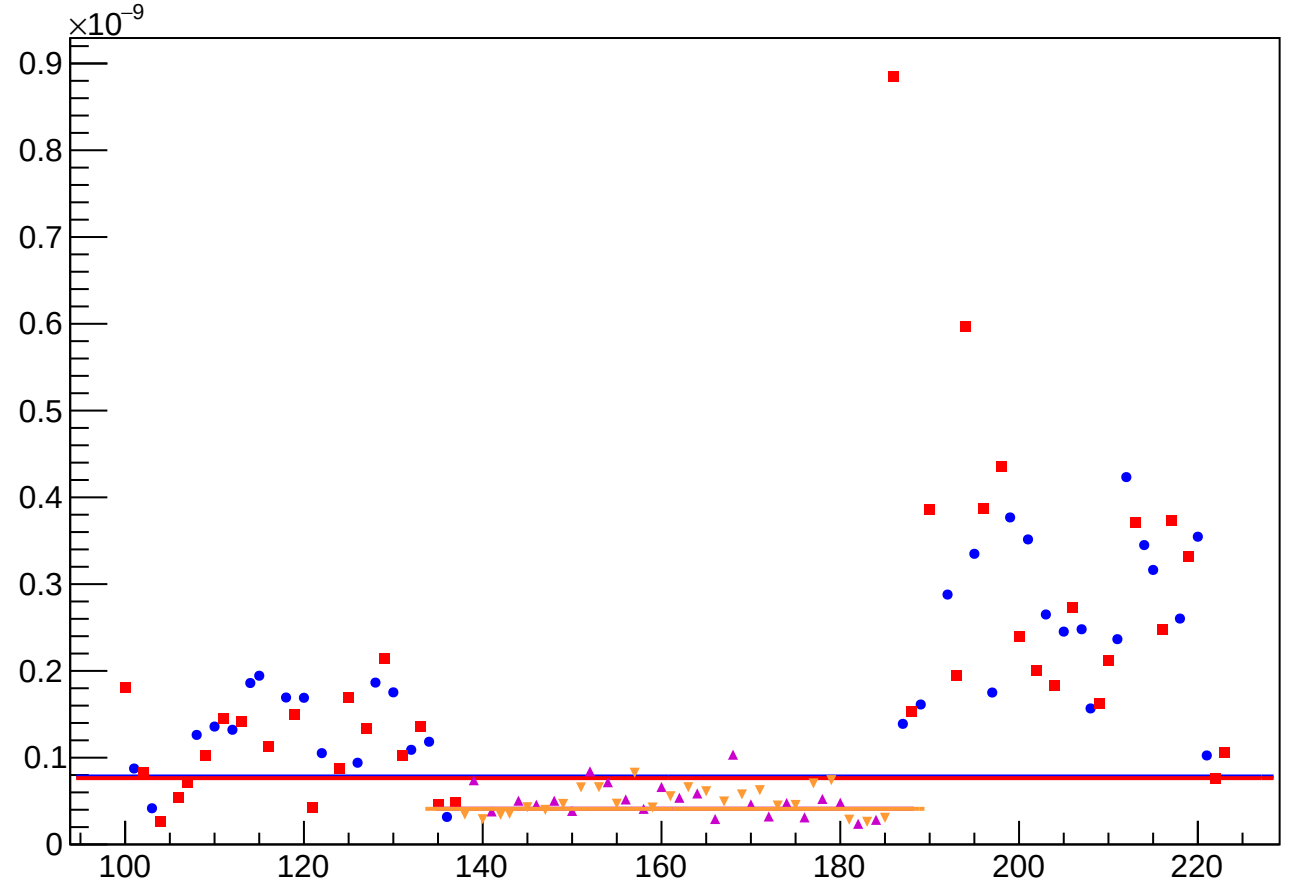
Right Out: 0.000+/-0.000 χ^2/NDF: 40.0/37

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/58

All: -0.000+/-0.000 χ^2/NDF: 128.4/119

- sign -0.000+/-0.000 χ^2/NDF: 62.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 12119773.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11825526.6/37

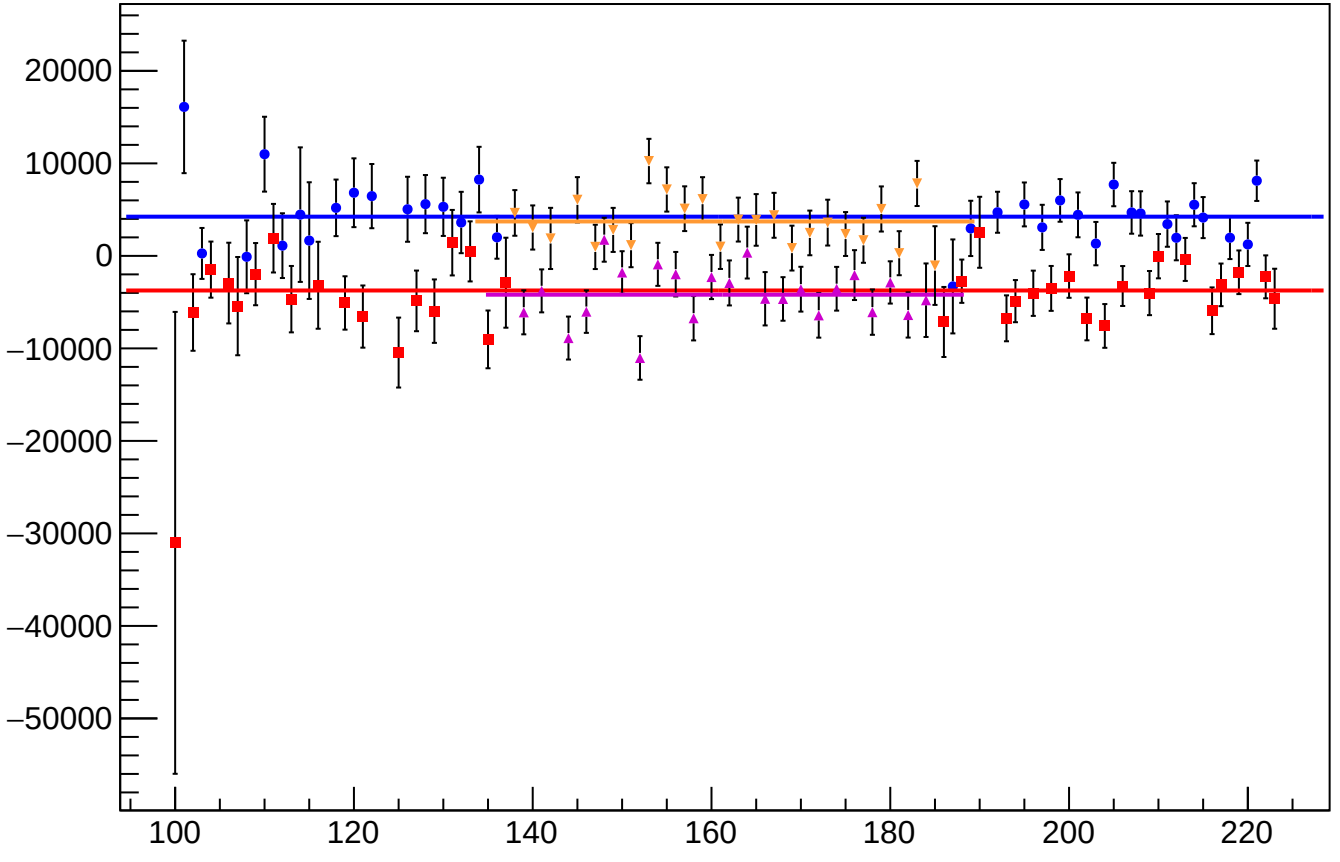
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 17461459.9/58

All: 0.000+/-0.000 χ^2/NDF: 34666387.2/119

- sign 0.000+/-0.000 χ^2/NDF: 17203819.0/60

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4238.519+/-477.001 χ^2/NDF: 27.8/33

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

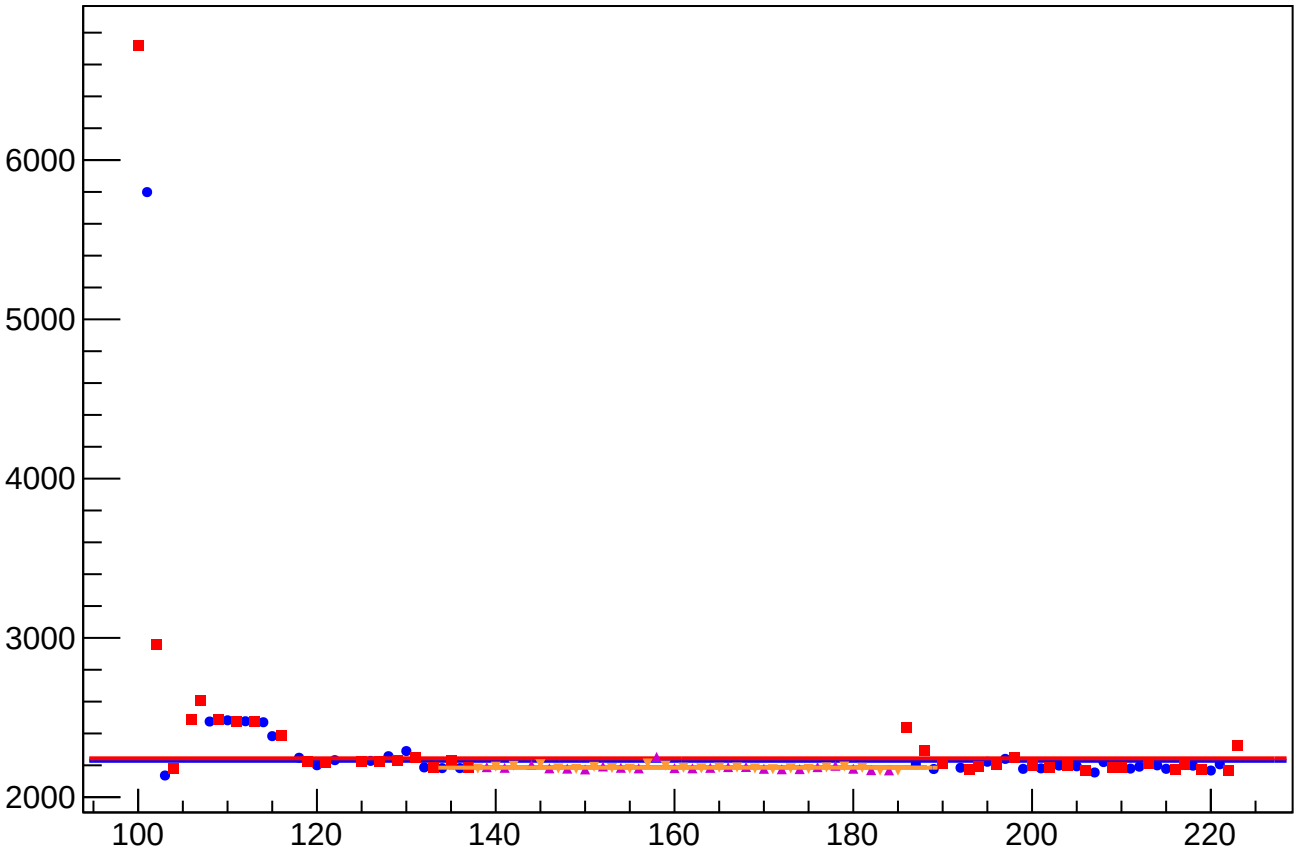
Right Out: -3740.282+/-474.992 χ^2/NDF: 33.1/36

Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

\+ sign 3996.768+/-347.462 χ^2/NDF: 53.8/57

All: 26.072+/-245.802 χ^2/NDF: 380.8/117

\- sign -3951.681+/-347.771 χ^2/NDF: 65.6/59



Right In: 2228.483+/-0.337 χ^2/NDF: 541778.1/33

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

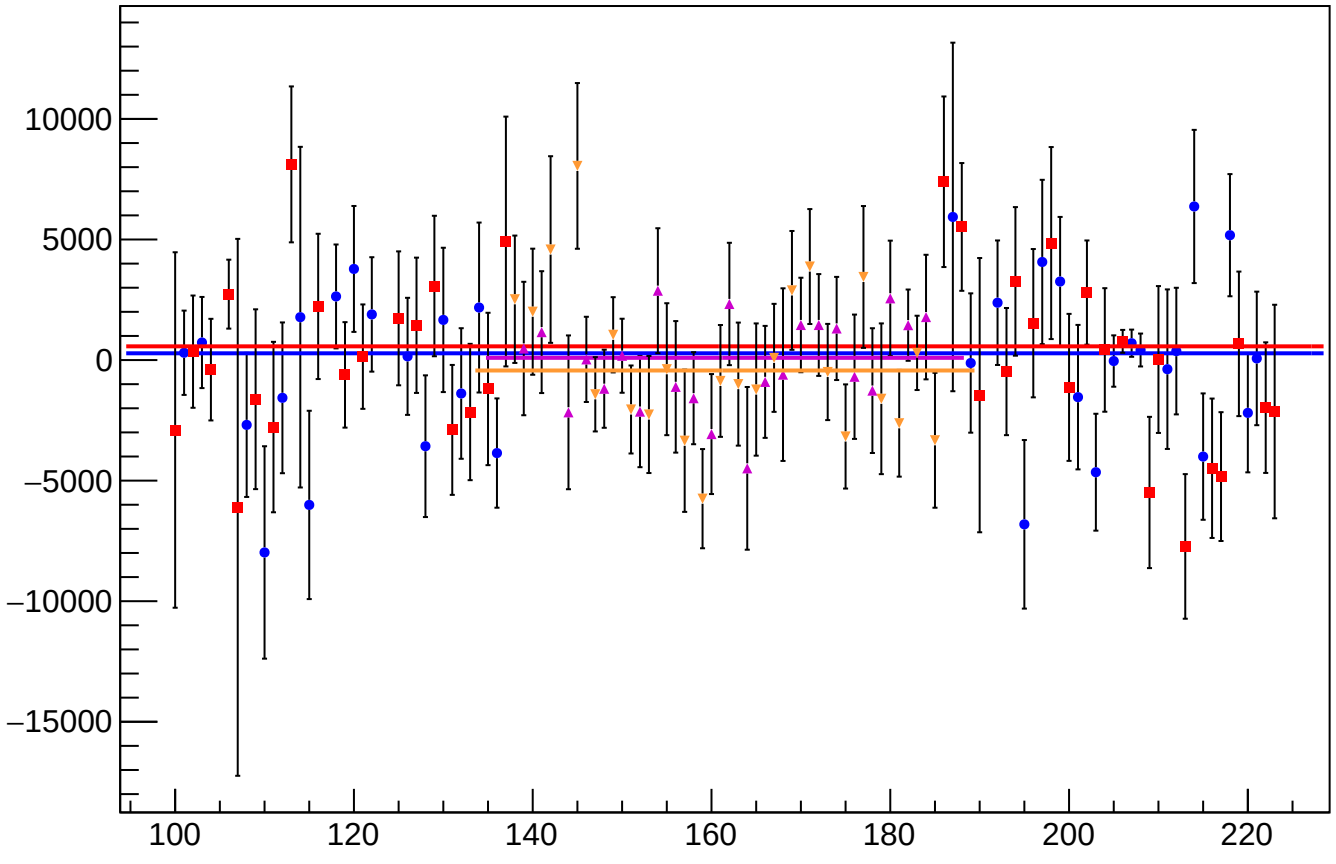
Right Out: 2243.831+/-0.336 χ^2/NDF: 195162.8/36

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.135+/-0.246 χ^2/NDF: 550347.1/57

All: 2212.737+/-0.174 χ^2/NDF: 761678.0/117

- sign 2217.347+/-0.246 χ^2/NDF: 210628.7/59



Right In: 280.419+/-311.691 χ^2/NDF: 41.1/33

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

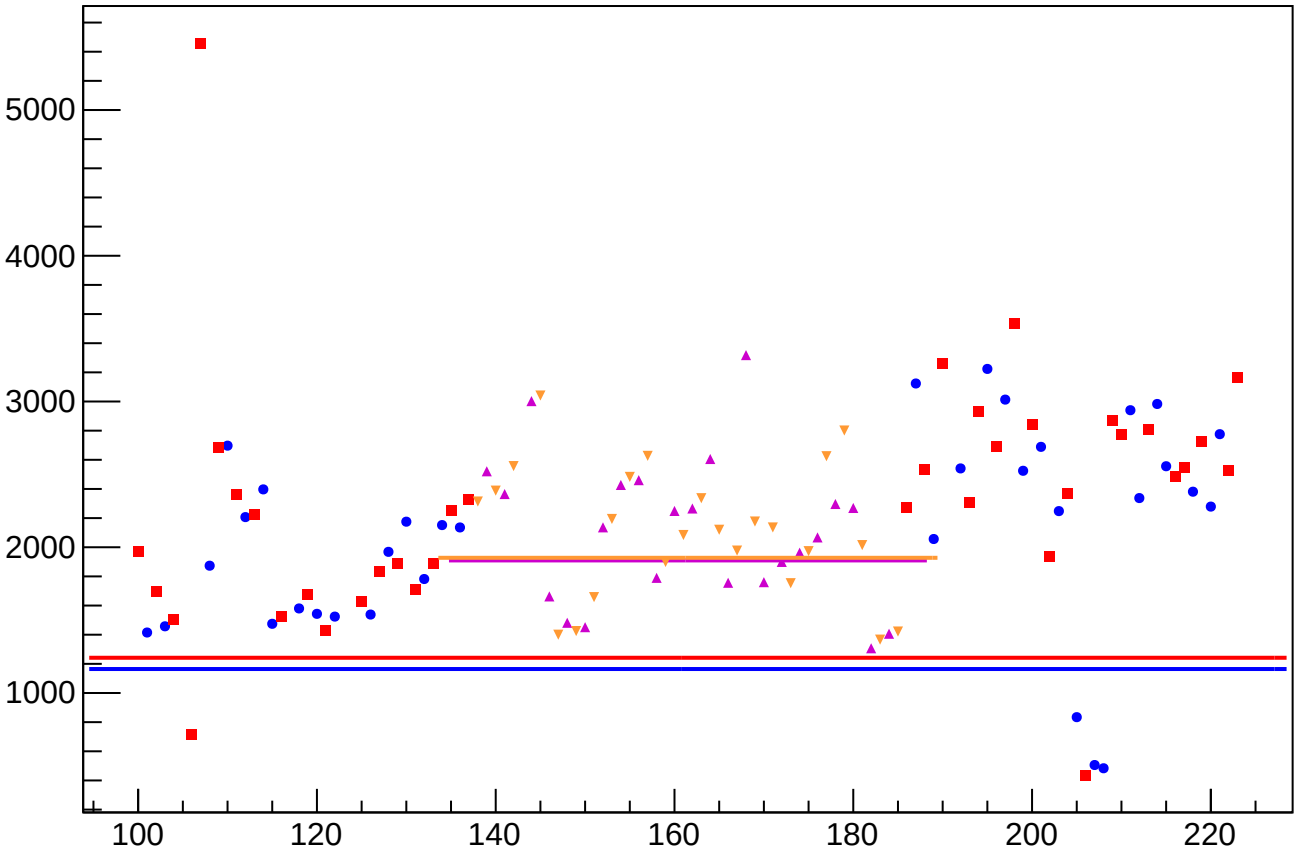
Right Out: 569.006+/-334.262 χ^2/NDF: 45.9/36

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

\+ sign 57.746+/-258.453 χ^2/NDF: 74.1/57

All: 223.300+/-186.882 χ^2/NDF: 134.3/117

\- sign 404.708+/-270.545 χ^2/NDF: 59.4/59



Right In: 1164.522+/-0.220 χ^2/NDF: 14232969.9/33

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1241.818+/-0.236 χ^2/NDF: 15835004.0/36

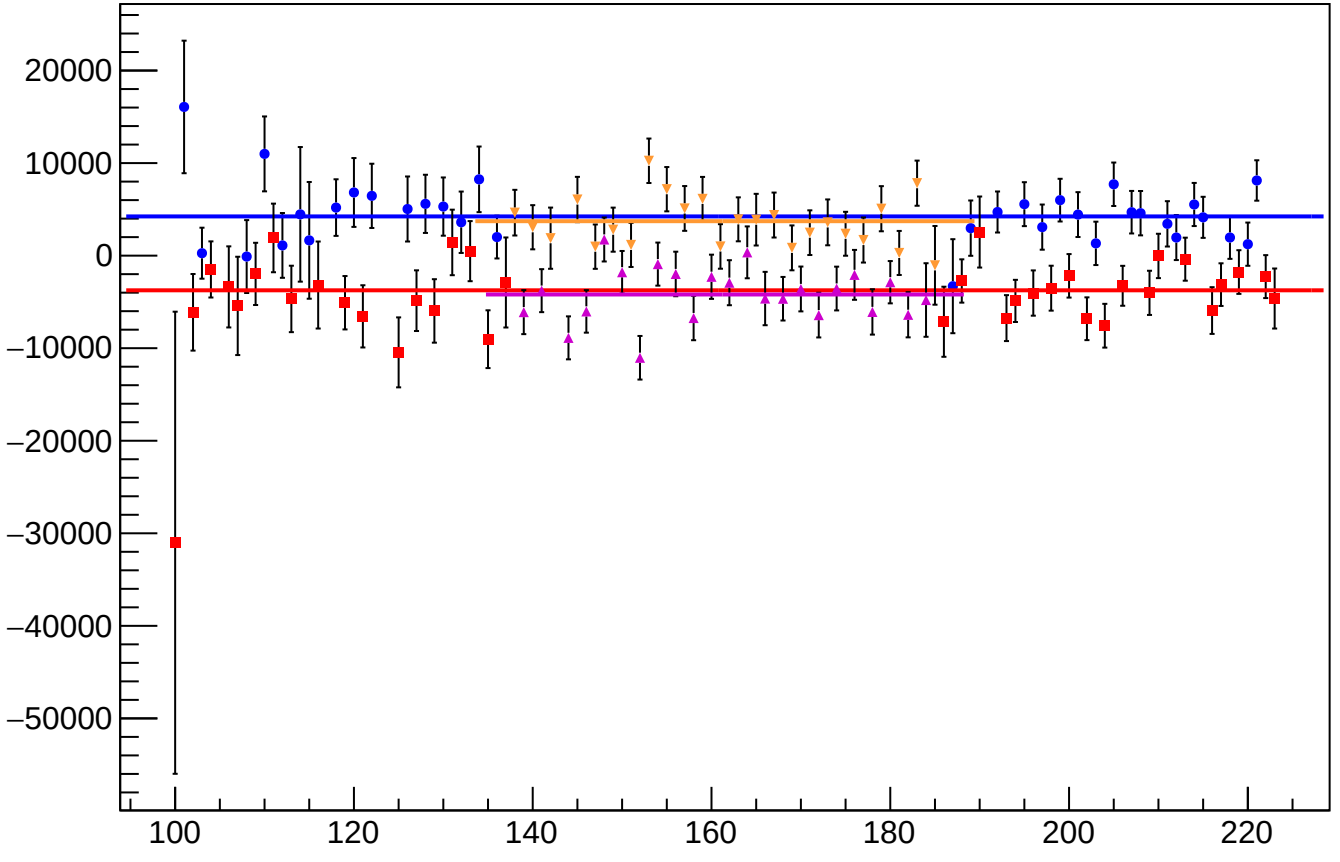
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1402.953+/-0.183 χ^2/NDF: 19777168.6/57

All: 1435.968+/-0.132 χ^2/NDF: 40376058.9/1

- sign 1472.144+/-0.191 χ^2/NDF: 20530494.9/59

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4238.269+/-477.001 χ^2/NDF: 27.8/33

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3745.668+/-475.016 χ^2/NDF: 33.0/36

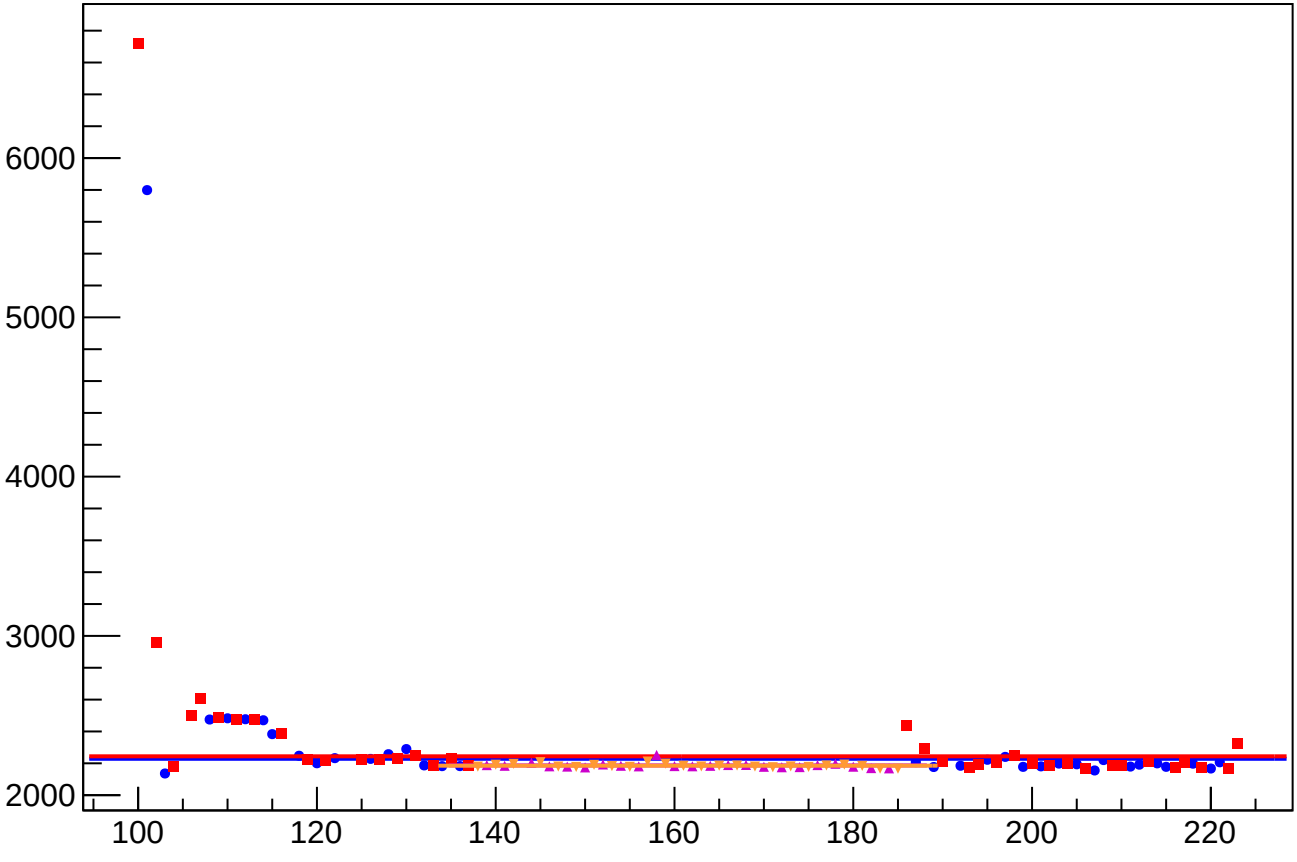
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3996.610+/-347.462 χ^2/NDF: 53.8/57

All: 24.627+/-245.805 χ^2/NDF: 380.9/117

- sign -3954.634+/-347.780 χ^2/NDF: 65.5/59

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2228.483+/-0.337 χ^2/NDF: 541778.5/33

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

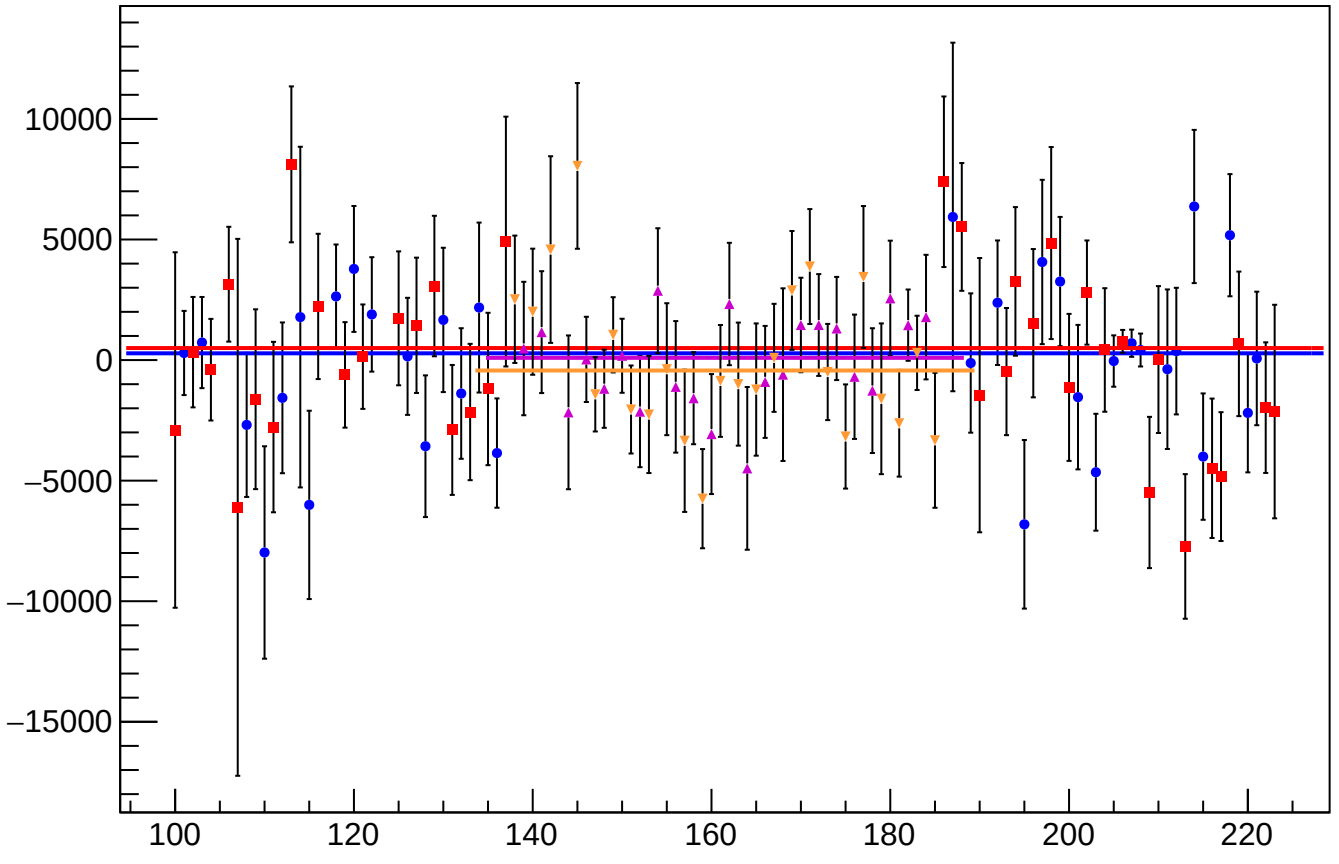
Right Out: 2243.932+/-0.336 χ^2/NDF: 195670.4/36

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.135+/-0.246 χ^2/NDF: 550347.4/57

All: 2212.763+/-0.174 χ^2/NDF: 762240.8/117

- sign 2217.399+/-0.246 χ^2/NDF: 211183.1/59



Right In: 280.236+/-311.672 χ^2/NDF: 41.1/33

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

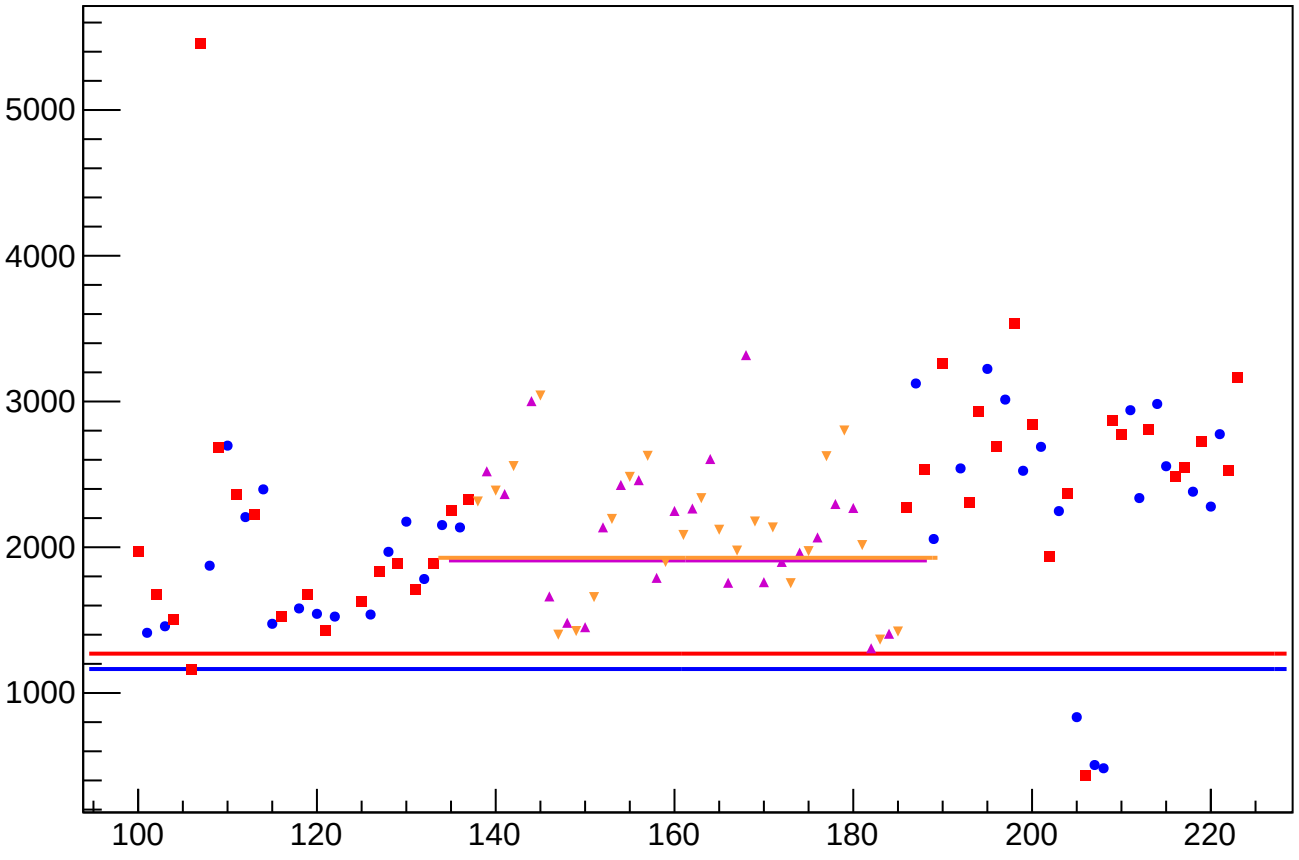
Right Out: 498.296+/-340.140 χ^2/NDF: 44.8/36

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 57.627+/-258.442 χ^2/NDF: 74.1/57

All: 197.905+/-187.887 χ^2/NDF: 132.7/117

- sign 355.158+/-273.633 χ^2/NDF: 58.1/59



Right In: 1164.454+/-0.220 χ^2/NDF: 14233040.7/33

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

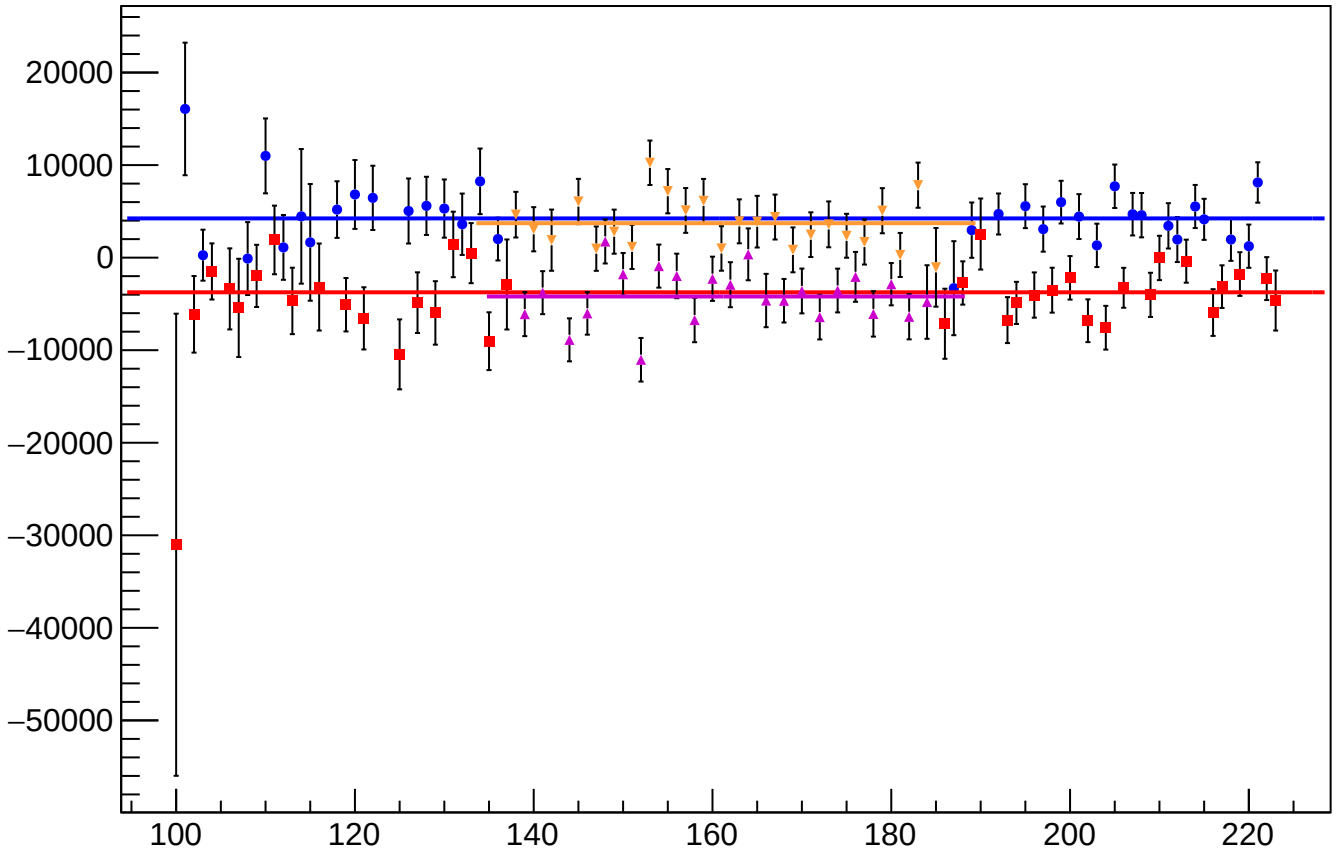
Right Out: 1270.027+/-0.241 χ^2/NDF: 15547820.5/36

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1402.885+/-0.183 χ^2/NDF: 19778067.2/57

All: 1446.640+/-0.133 χ^2/NDF: 39884795.9/1

- sign 1495.690+/-0.193 χ^2/NDF: 19985137.9/59



Right In: 4238.269+/-477.001 χ^2/NDF: 27.8/33

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

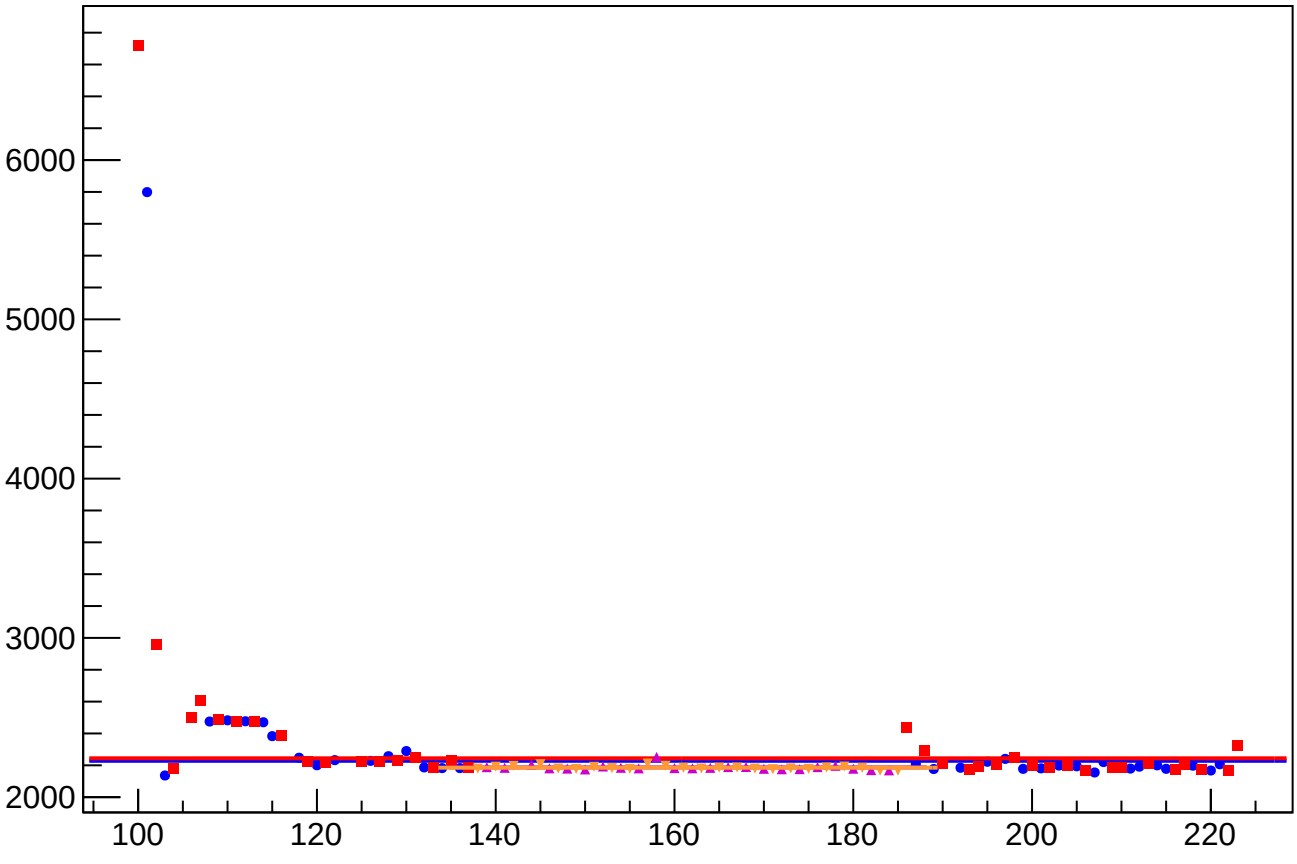
Right Out: -3745.668+/-475.016 χ^2/NDF: 33.0/36

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3996.610+/-347.462 χ^2/NDF: 53.8/57

All: 24.627+/-245.805 χ^2/NDF: 380.9/117

- sign -3954.634+/-347.780 χ^2/NDF: 65.5/59



Right In: 2228.483+/-0.337 χ^2/NDF: 541778.5/33

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

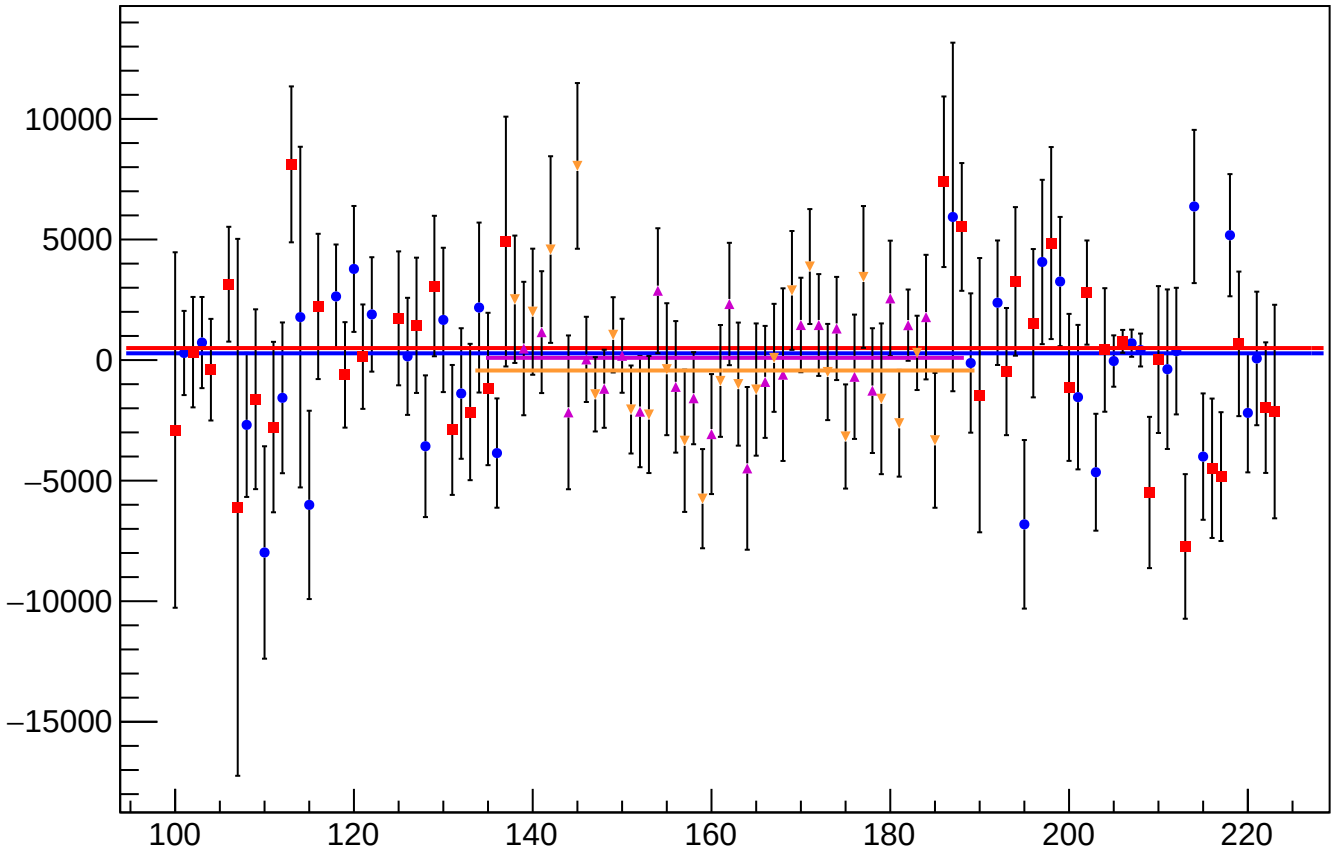
Right Out: 2243.932+/-0.336 χ^2/NDF: 195670.4/36

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.135+/-0.246 χ^2/NDF: 550347.4/57

All: 2212.763+/-0.174 χ^2/NDF: 762240.8/117

- sign 2217.399+/-0.246 χ^2/NDF: 211183.1/59



Right In: 280.236+/-311.672 χ^2/NDF: 41.1/33

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

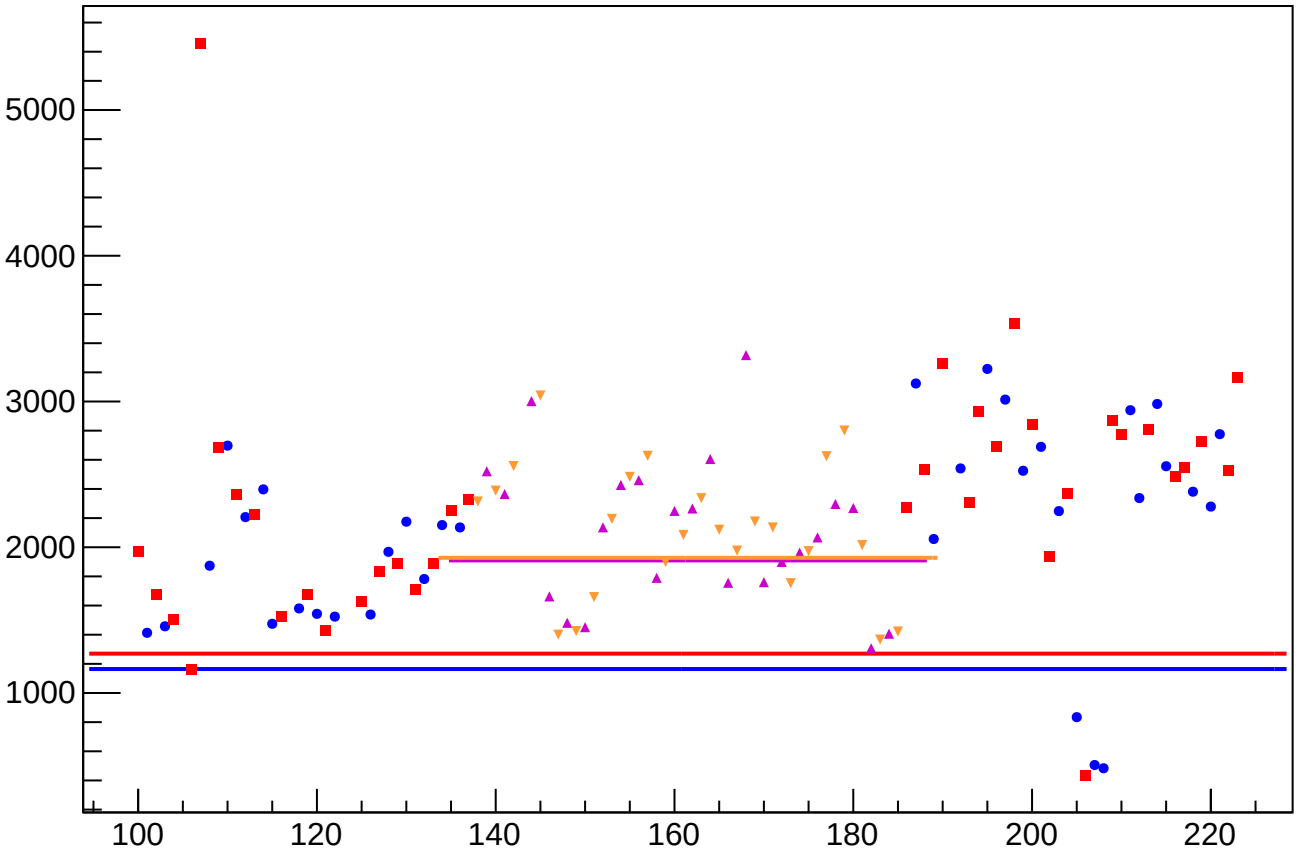
Right Out: 498.296+/-340.140 χ^2/NDF: 44.8/36

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 57.627+/-258.442 χ^2/NDF: 74.1/57

All: 197.905+/-187.887 χ^2/NDF: 132.7/117

- sign 355.158+/-273.633 χ^2/NDF: 58.1/59



Right In: 1164.454+/-0.220 χ^2/NDF: 14233040.7/33

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

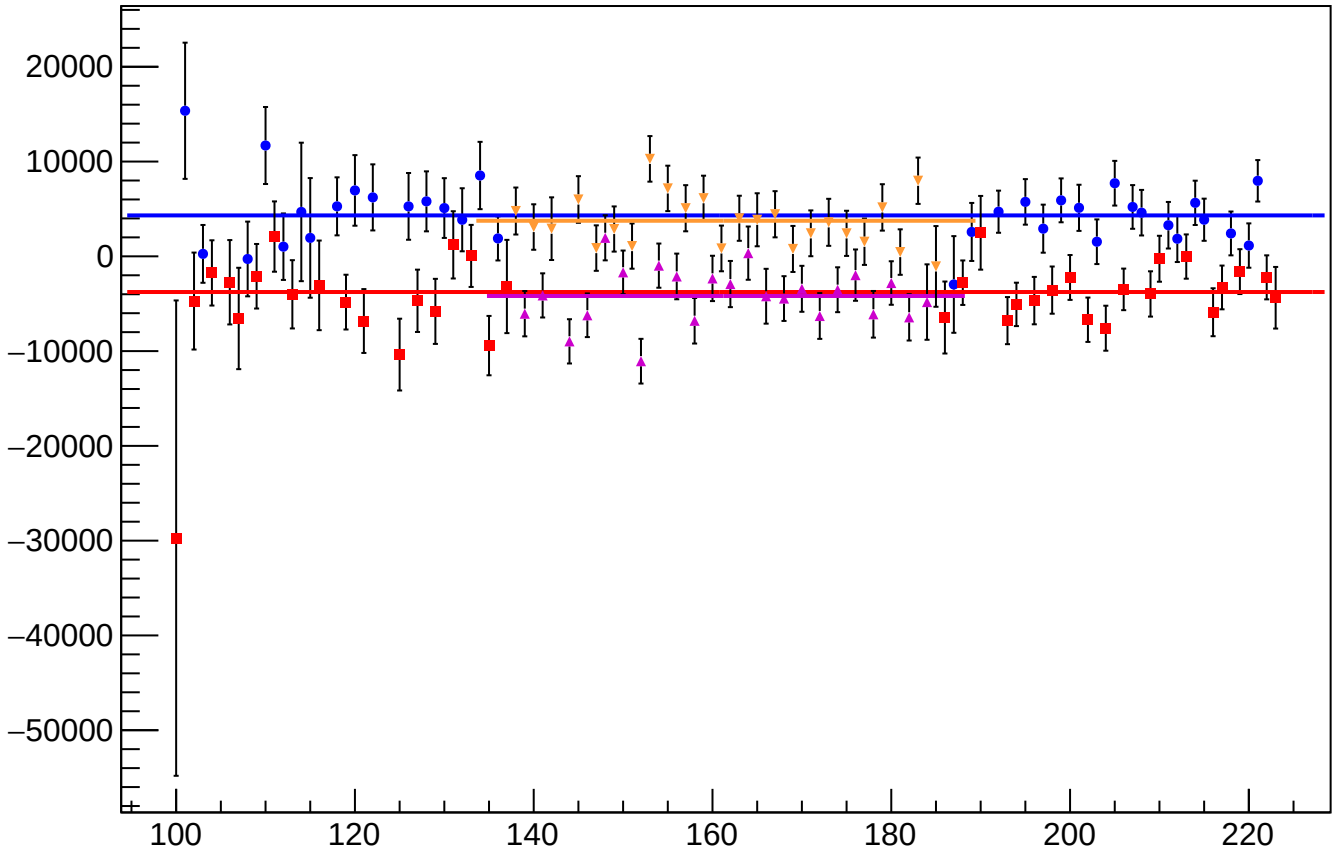
Right Out: 1270.027+/-0.241 χ^2/NDF: 15547820.5/36

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1402.885+/-0.183 χ^2/NDF: 19778067.2/57

All: 1446.640+/-0.133 χ^2/NDF: 39884795.9/1

- sign 1495.690+/-0.193 χ^2/NDF: 19985137.9/59



Right In: 4317.773+/-480.993 χ^2/NDF: 27.7/33

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3764.762+/-480.586 χ^2/NDF: 32.1/36

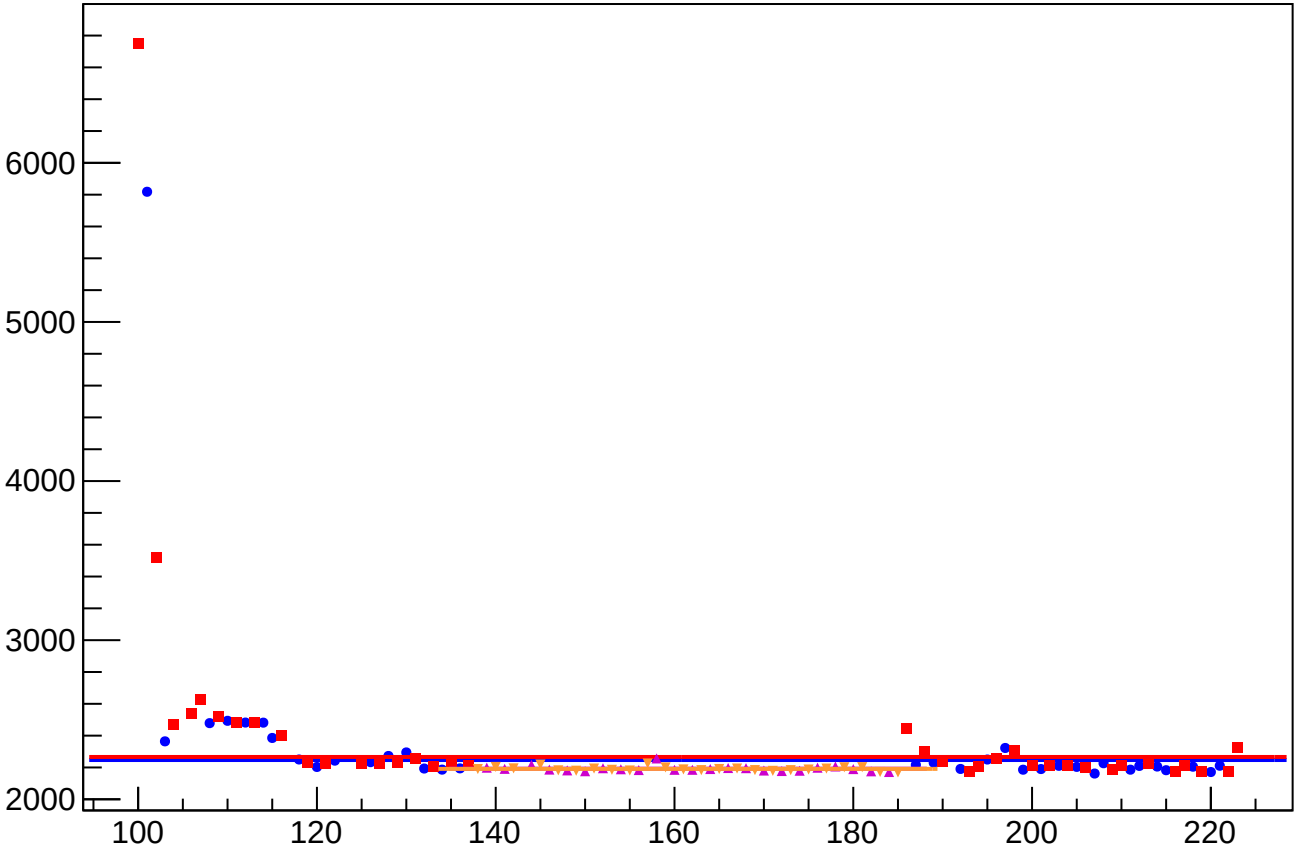
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4051.615+/-349.456 χ^2/NDF: 54.0/57

All: 55.537+/-247.422 χ^2/NDF: 381.3/117

- sign -3961.282+/-350.361 χ^2/NDF: 65.1/59

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2246.753+/-0.340 χ^2/NDF: 543303.5/33

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

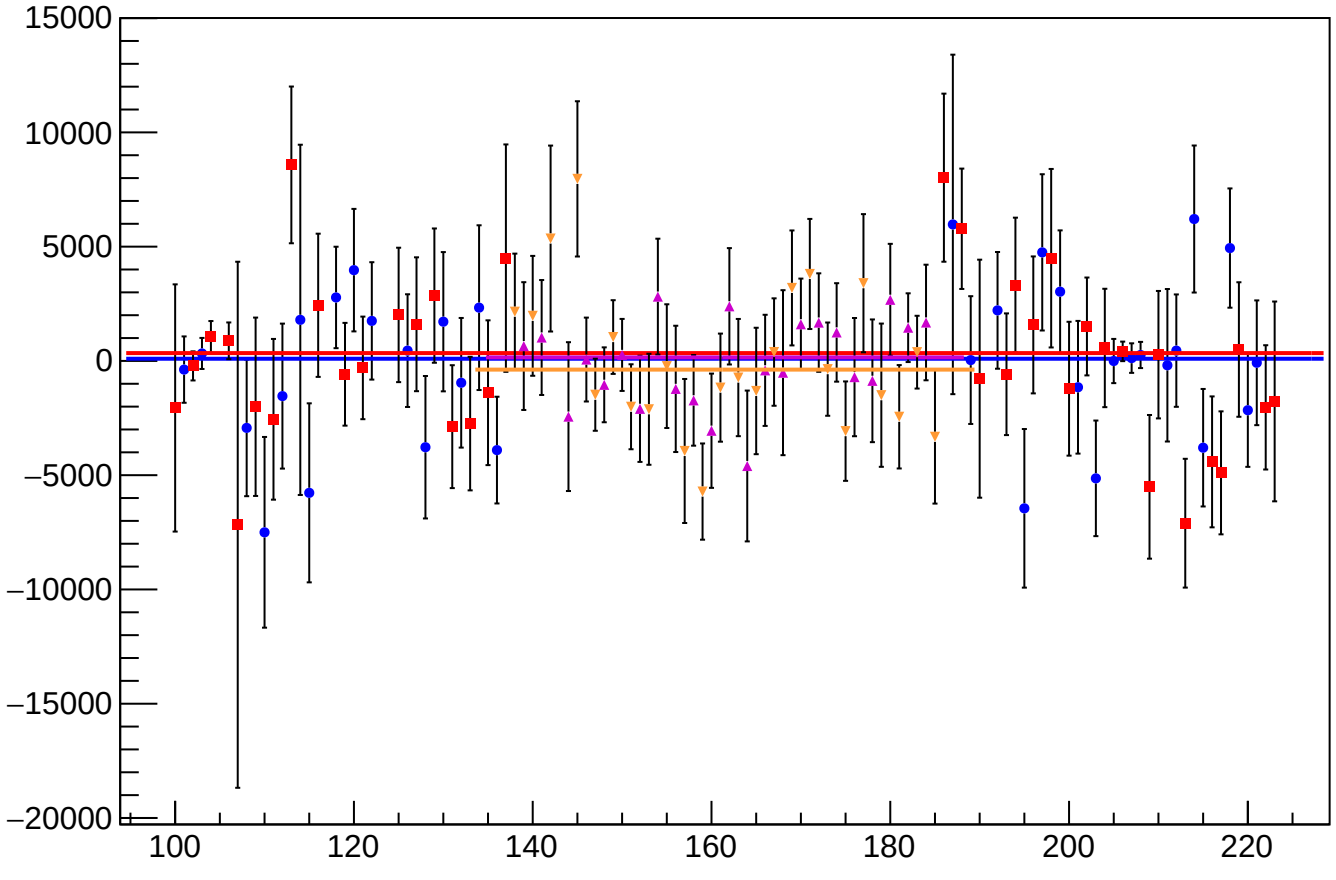
Right Out: 2265.919+/-0.340 χ^2/NDF: 266038.1/36

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2220.498+/-0.247 χ^2/NDF: 557153.4/57

All: 2225.926+/-0.175 χ^2/NDF: 848487.9/117

- sign 2231.381+/-0.248 χ^2/NDF: 290367.2/59



Right In: 95.164+/-281.939 χ^2/NDF: 39.1/33

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

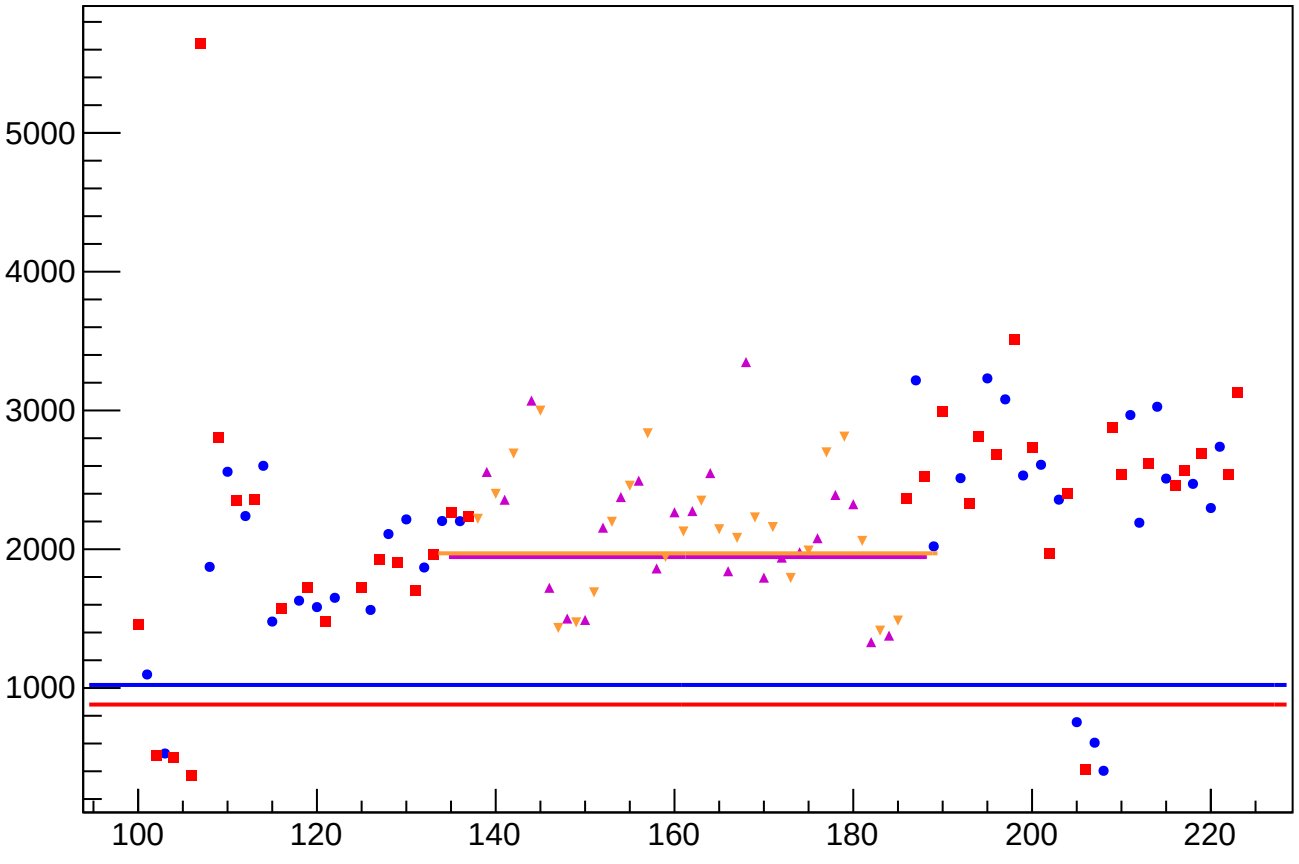
Right Out: 342.183+/-256.755 χ^2/NDF: 44.9/36

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -30.122+/-241.976 χ^2/NDF: 70.6/57

All: 146.186+/-164.815 χ^2/NDF: 129.4/117

- sign 298.765+/-225.104 χ^2/NDF: 57.8/59



Right In: 1022.028+/-0.199 χ^2/NDF: 16069790.0/33

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

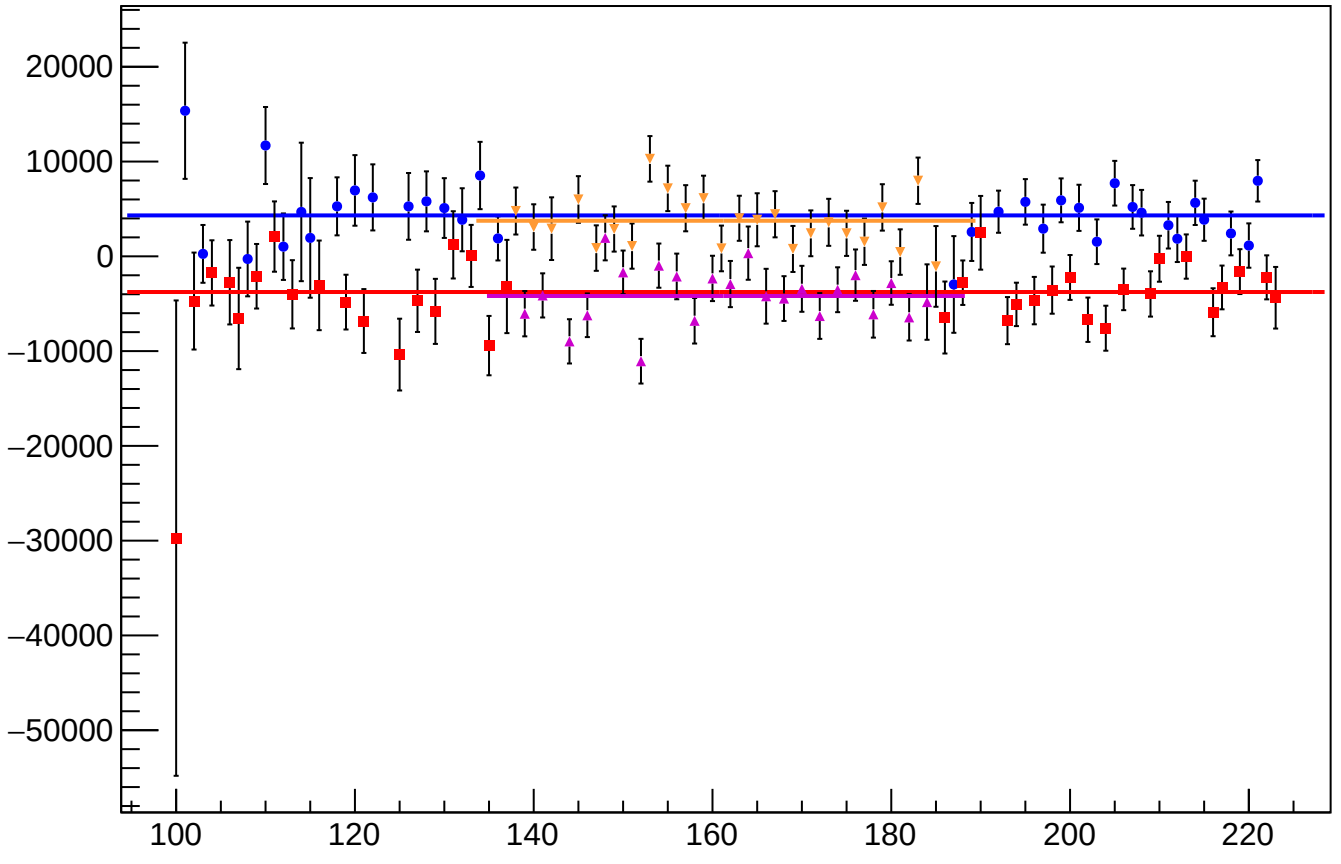
Right Out: 880.797+/-0.182 χ^2/NDF: 20451660.2/36

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1271.896+/-0.171 χ^2/NDF: 23730272.7/57

All: 1194.052+/-0.117 χ^2/NDF: 54379554.1/1

- sign 1126.685+/-0.159 χ^2/NDF: 30263171.0/59



Right In: 4317.773+/-480.993 χ^2/NDF: 27.7/33

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3764.762+/-480.586 χ^2/NDF: 32.1/36

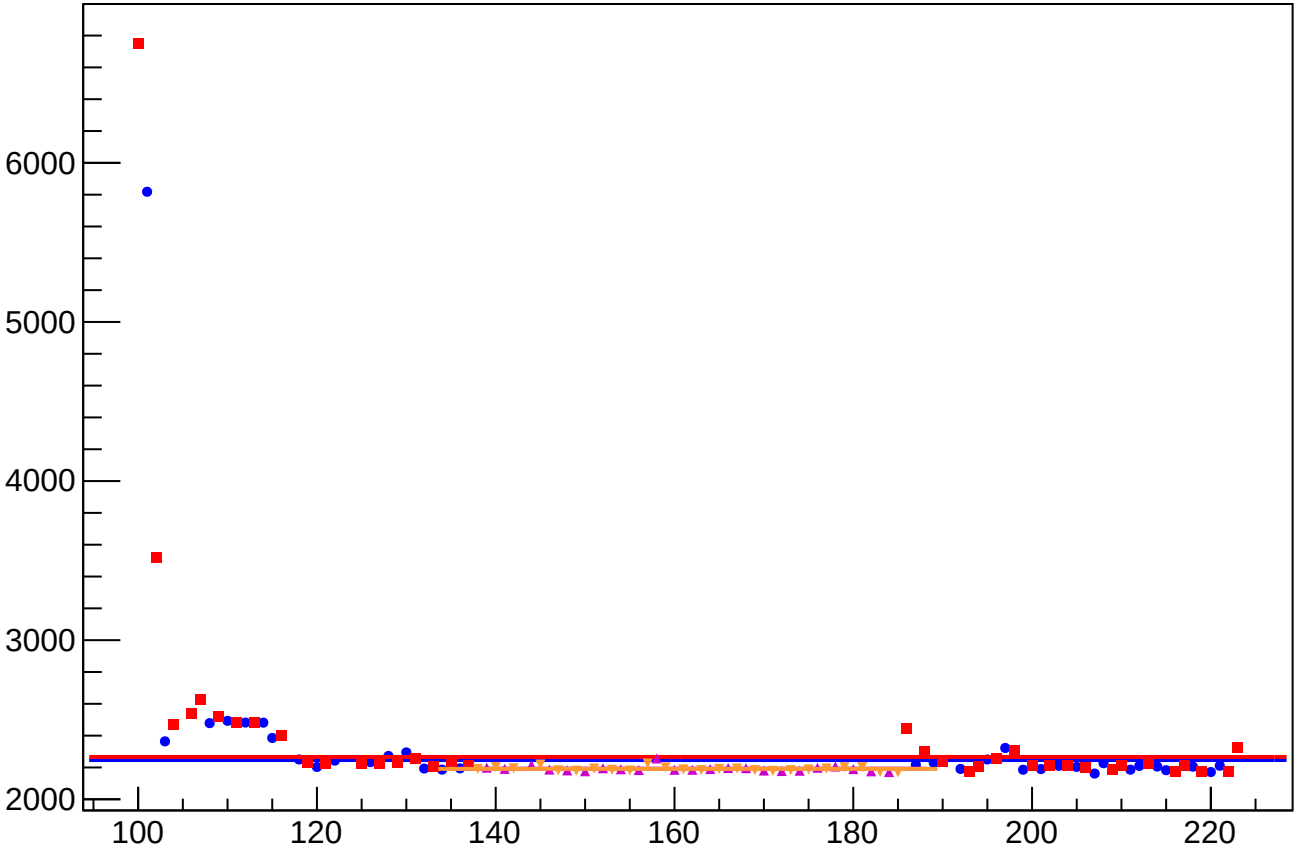
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4051.614+/-349.456 χ^2/NDF: 54.0/57

All: 55.537+/-247.422 χ^2/NDF: 381.3/117

- sign -3961.282+/-350.361 χ^2/NDF: 65.1/59

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2246.753+/-0.340 χ^2/NDF: 543303.3/33

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

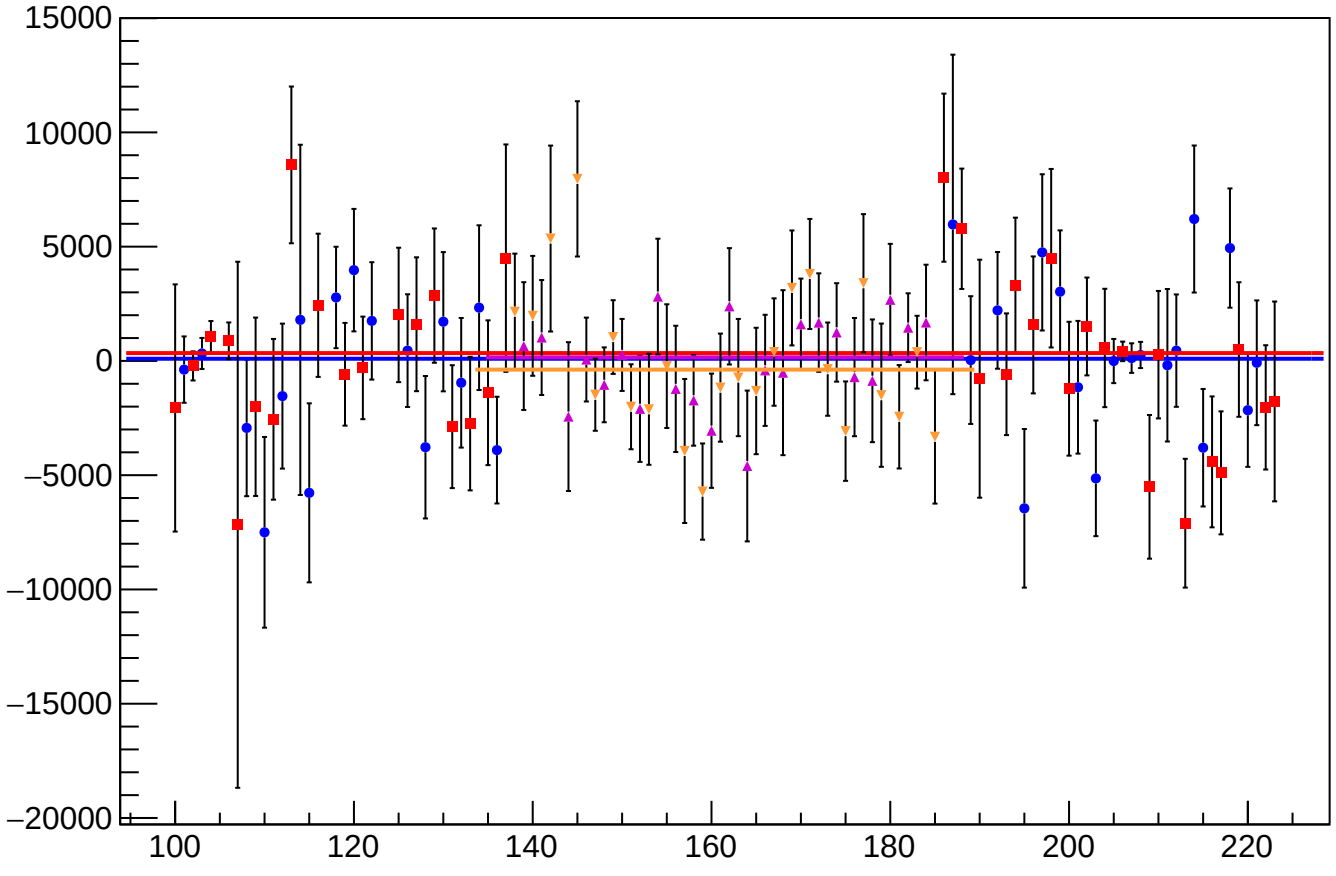
Right Out: 2265.918+/-0.340 χ^2/NDF: 266036.8/36

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2220.498+/-0.247 χ^2/NDF: 557153.1/57

All: 2225.925+/-0.175 χ^2/NDF: 848486.2/117

- sign 2231.381+/-0.248 χ^2/NDF: 290365.8/59



Right In: 95.161+/-281.940 χ^2/NDF: 39.1/33

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

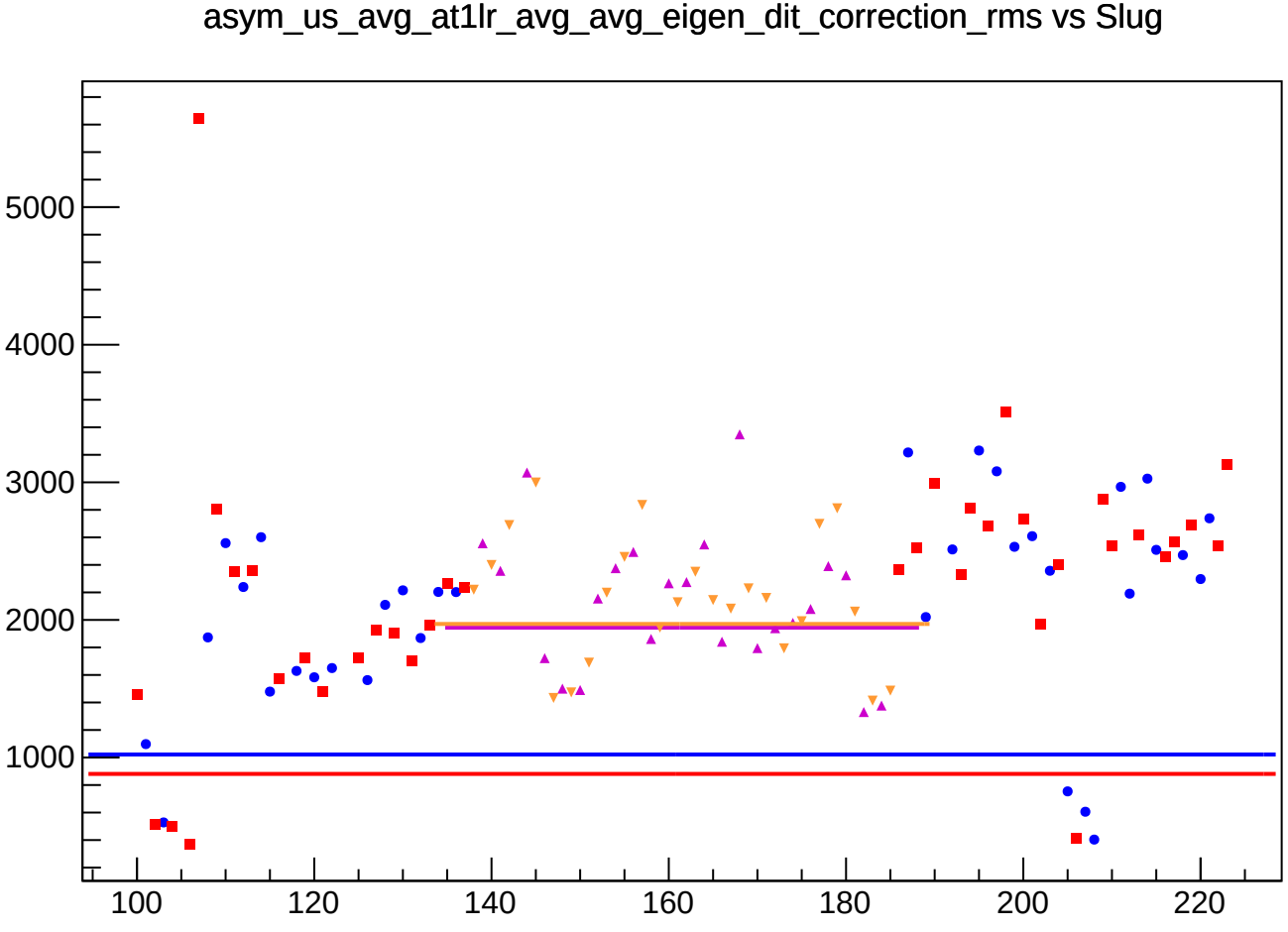
Right Out: 342.179+/-256.756 χ^2/NDF: 44.9/36

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -30.126+/-241.976 χ^2/NDF: 70.6/57

All: 146.182+/-164.815 χ^2/NDF: 129.4/117

- sign 298.761+/-225.104 χ^2/NDF: 57.8/59



Right In: 1022.028+/-0.199 χ^2/NDF: 16069817.3/33

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 880.802+/-0.182 χ^2/NDF: 20451571.0/36

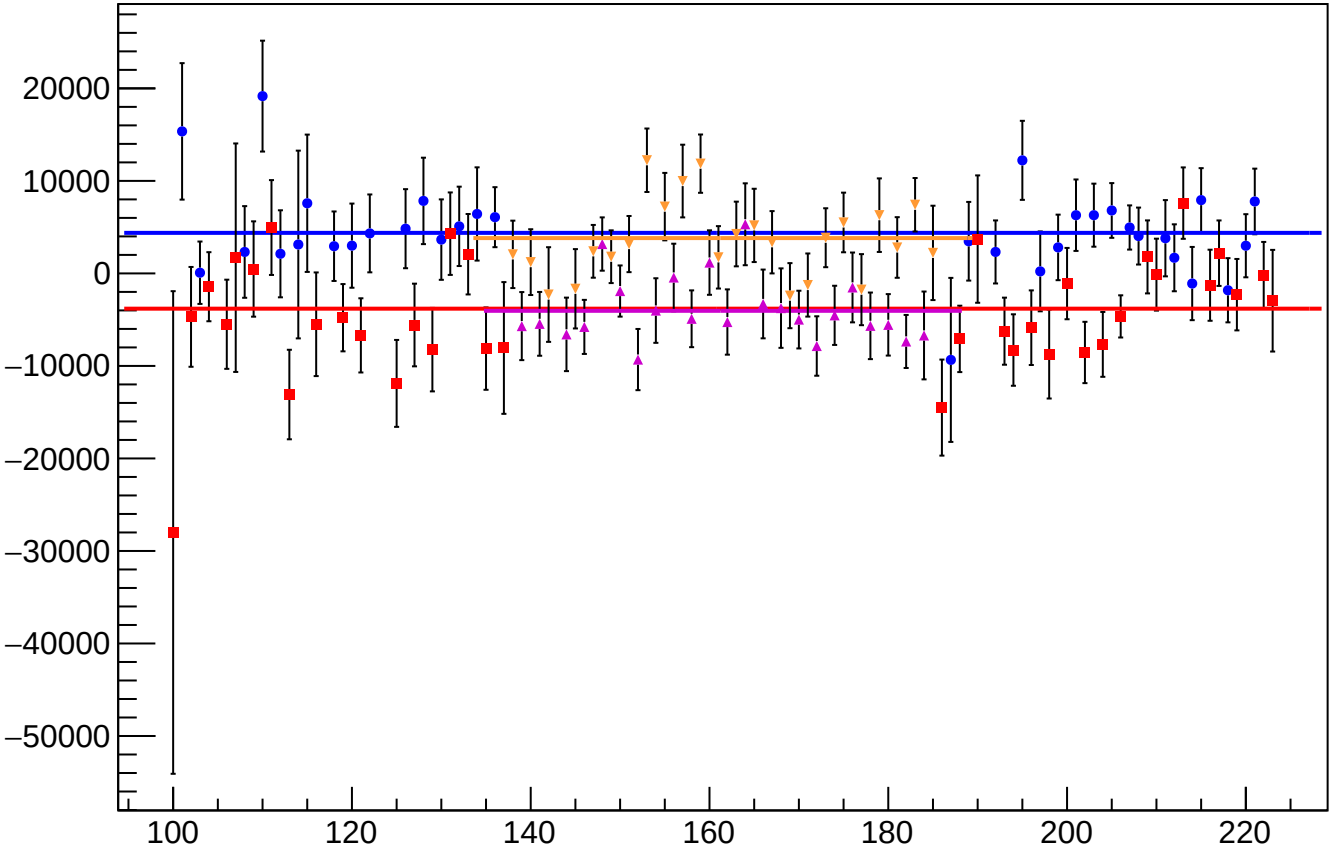
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1271.897+/-0.171 χ^2/NDF: 23730328.7/57

All: 1194.056+/-0.117 χ^2/NDF: 54379429.8/1

- sign 1126.691+/-0.159 χ^2/NDF: 30263020.1/59

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4383.101+/-676.026 χ^2/NDF: 28.3/33

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -3810.907+/-689.569 χ^2/NDF: 49.5/36

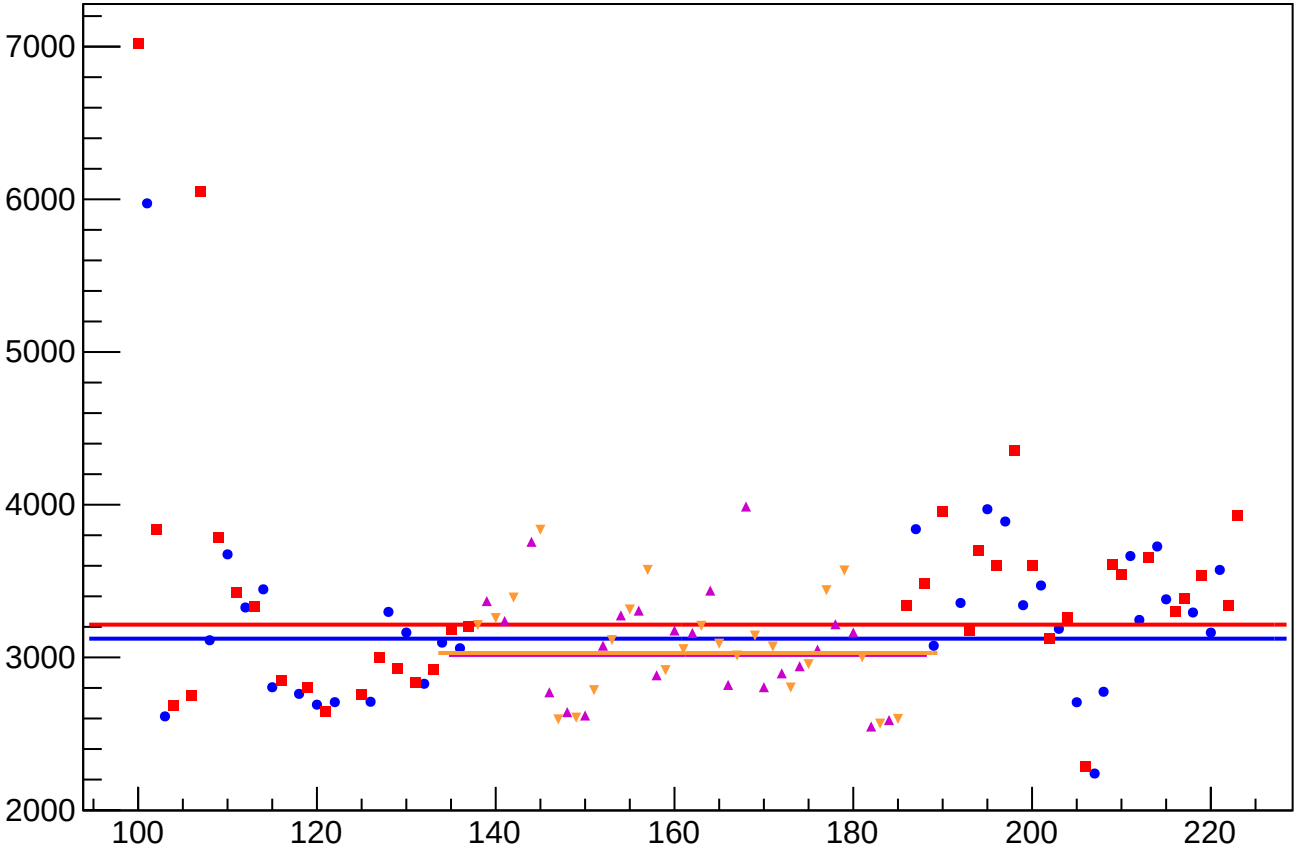
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4113.645+/-489.038 χ^2/NDF: 59.5/57

All: 139.935+/-347.724 χ^2/NDF: 265.1/117

- sign -3923.355+/-494.520 χ^2/NDF: 72.1/59

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3122.759+/-0.478 χ^2/NDF: 1118754.9/33

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

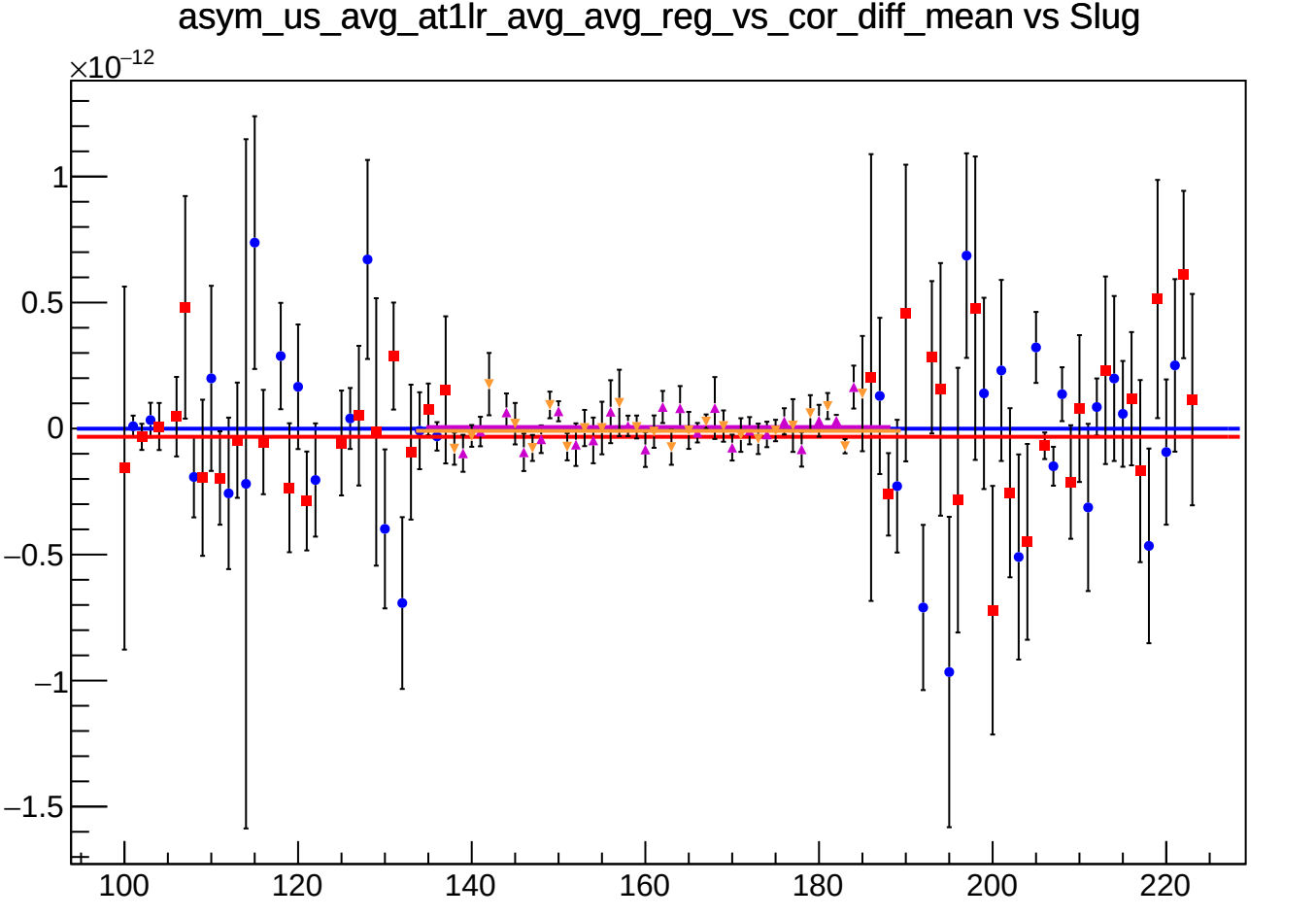
Right Out: 3214.649+/-0.488 χ^2/NDF: 1060094.8/36

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

\+ sign 3078.057+/-0.346 χ^2/NDF: 1534211.3/57

All: 3097.948+/-0.246 χ^2/NDF: 3121307.5/11

\- sign 3118.286+/-0.350 χ^2/NDF: 1580404.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

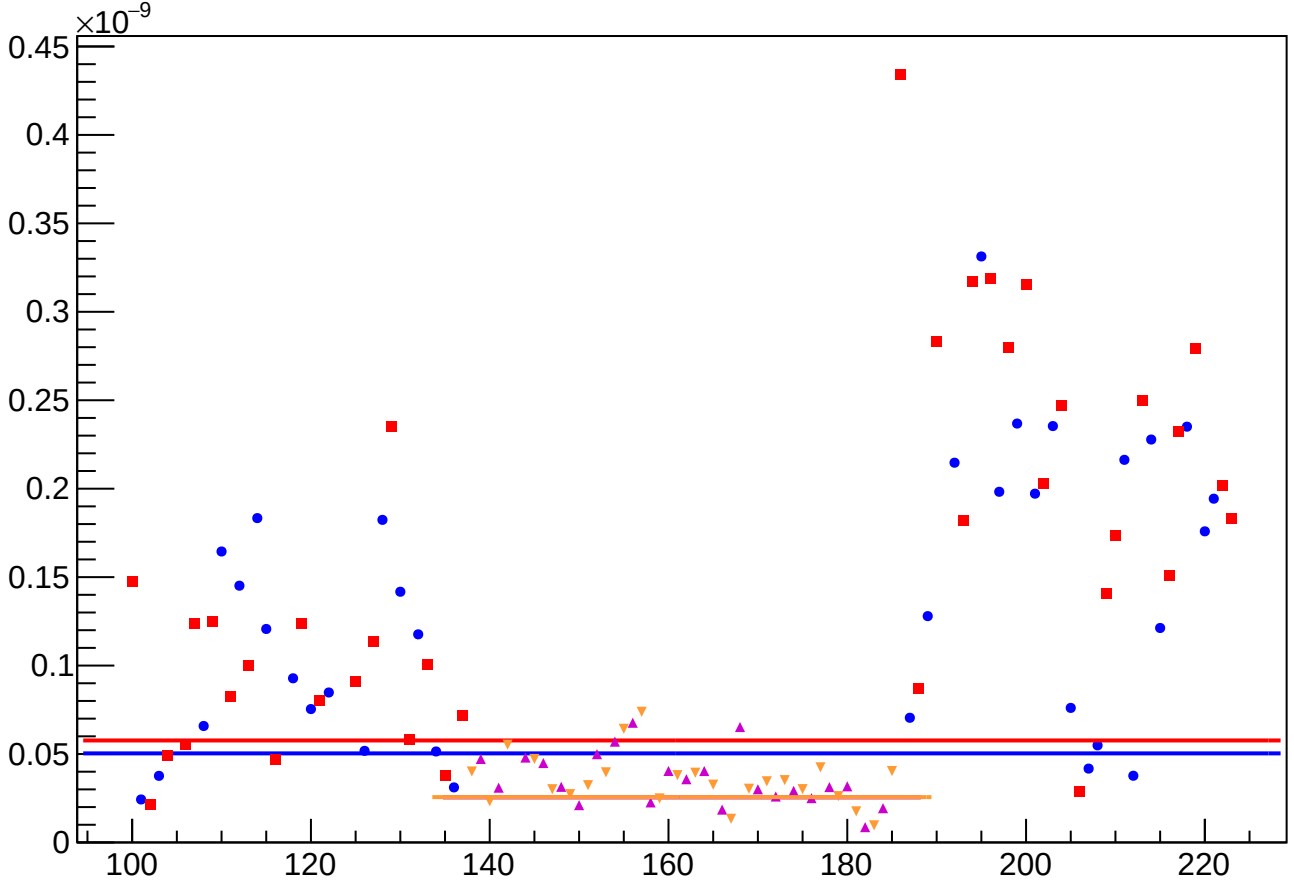
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/36

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/57

All: -0.000+/-0.000 χ^2/NDF: 119.4/117

- sign 0.000+/-0.000 χ^2/NDF: 50.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 7378012.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

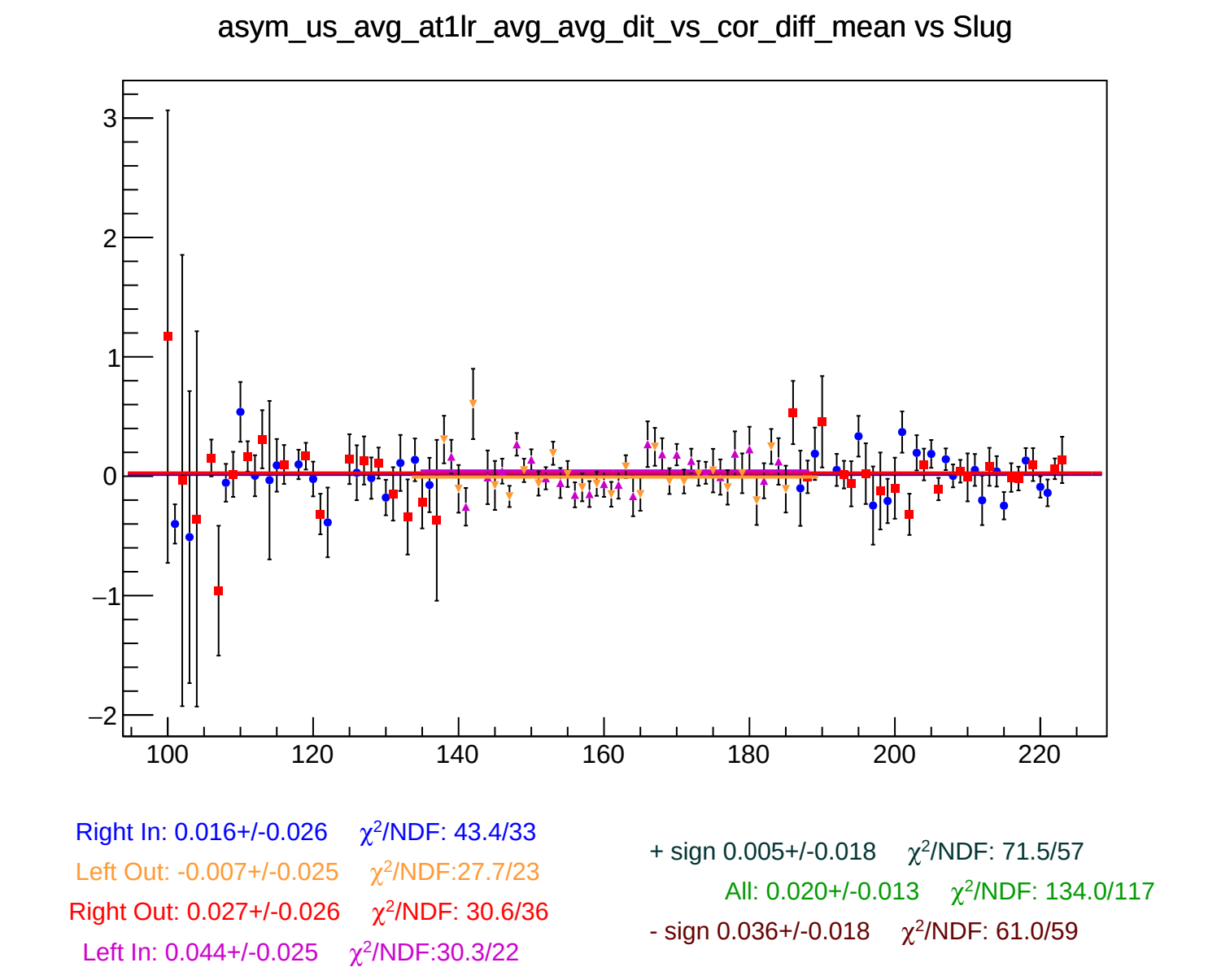
Right Out: 0.000+/-0.000 χ^2/NDF: 9110205.6/36

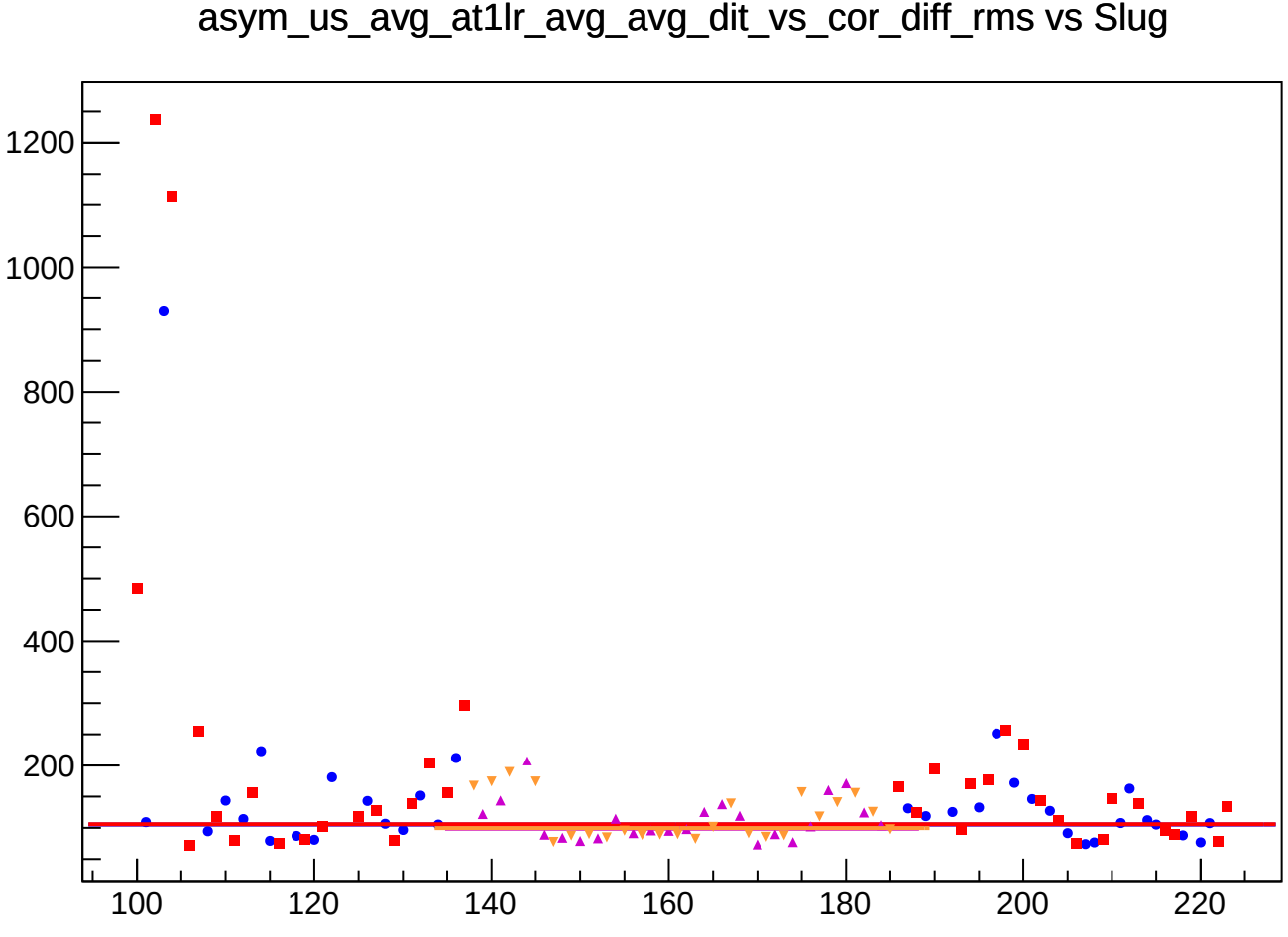
Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

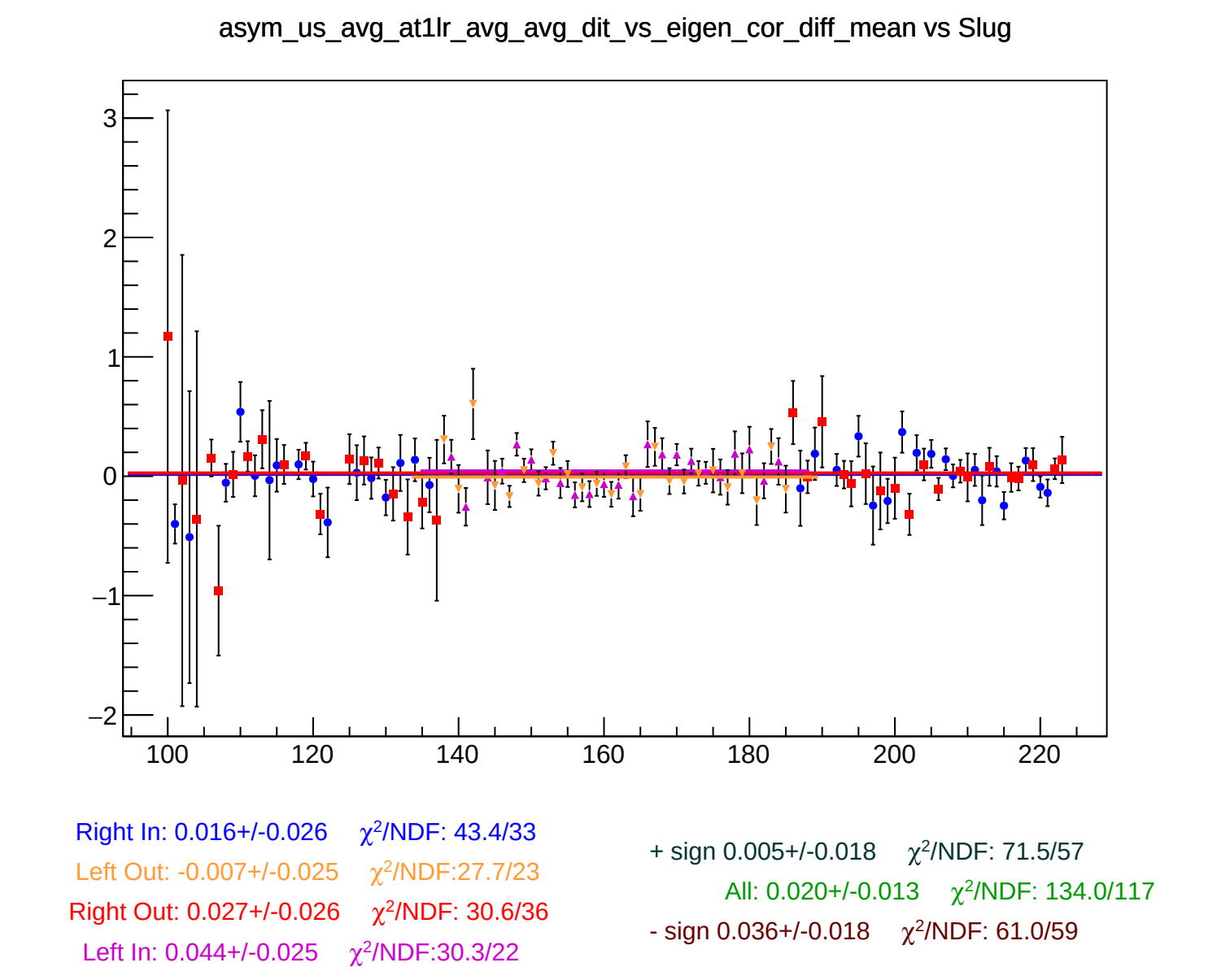
+ sign 0.000+/-0.000 χ^2/NDF: 11667725.2/57

All: 0.000+/-0.000 χ^2/NDF: 25999681.8/117

- sign 0.000+/-0.000 χ^2/NDF: 14331762.9/59


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
220
Right In: 0.016+/-0.026 χ²/NDF: 43.4/33
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.027+/-0.026 χ²/NDF: 30.6/36
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.005+/-0.018 χ²/NDF: 71.5/57
All: 0.020+/-0.013 χ²/NDF: 134.0/117
- sign 0.036+/-0.018 χ²/NDF: 61.0/59


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 105.236+/-0.018 χ²/NDF: 3663575.8/33
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 105.777+/-0.019 χ²/NDF: 5351758.2/36
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 102.354+/-0.013 χ²/NDF: 5783253.1/57
All: 102.202+/-0.009 χ²/NDF: 13215189.3/11
- sign 102.050+/-0.013 χ²/NDF: 7431655.1/59


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
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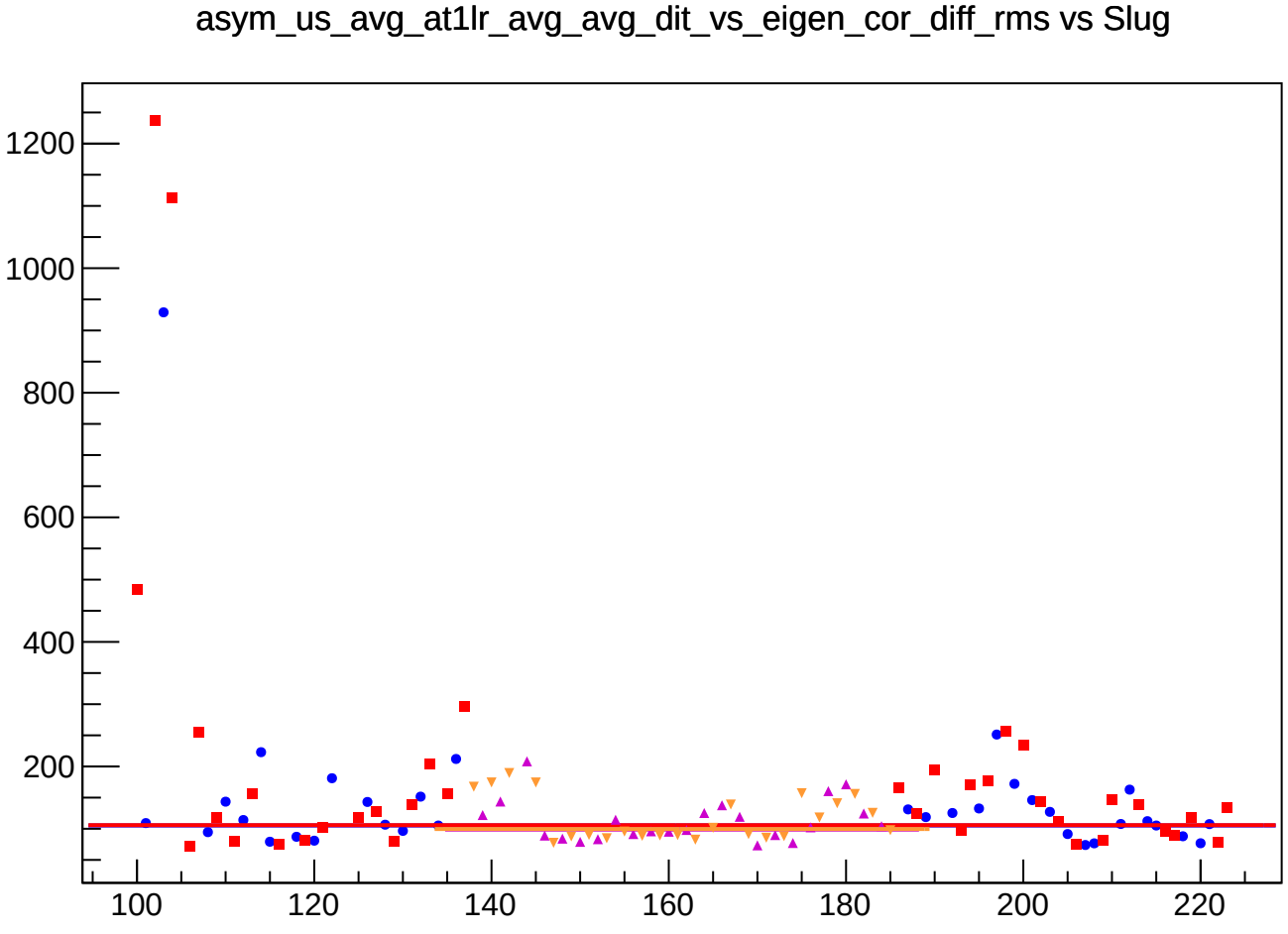
140
160
180
200
220
Right In: 0.016+/-0.026 χ²/NDF: 43.4/33
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.027+/-0.026 χ²/NDF: 30.6/36
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.005+/-0.018 χ²/NDF: 71.5/57
All: 0.020+/-0.013 χ²/NDF: 134.0/117
- sign 0.036+/-0.018 χ²/NDF: 61.0/59



Right In: 105.236+/-0.018 χ^2/NDF: 3663575.8/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

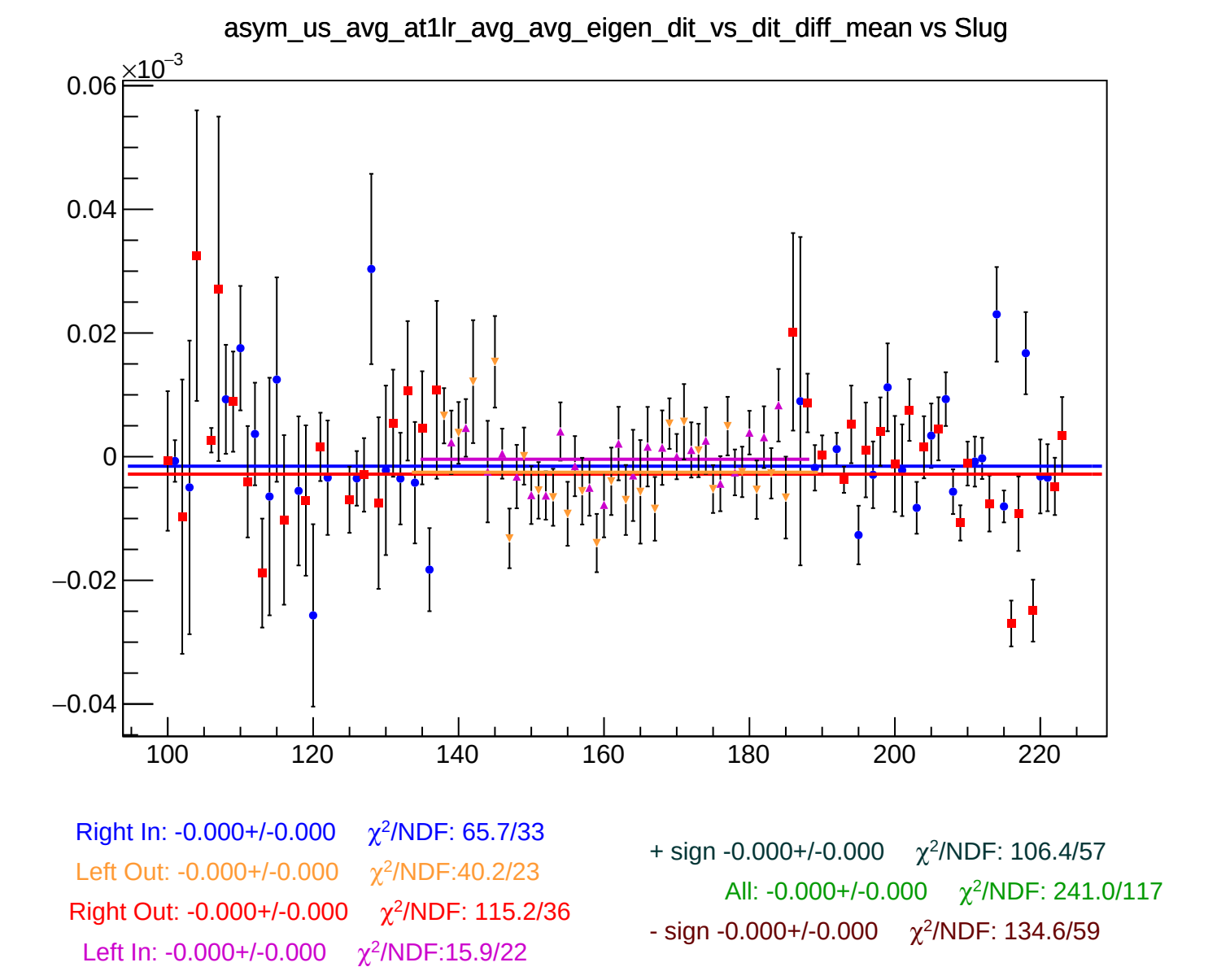
Right Out: 105.777+/-0.019 χ^2/NDF: 5351758.2/36

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.354+/-0.013 χ^2/NDF: 5783253.1/57

All: 102.202+/-0.009 χ^2/NDF: 13215189.3/11

- sign 102.050+/-0.013 χ^2/NDF: 7431655.1/59


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
120
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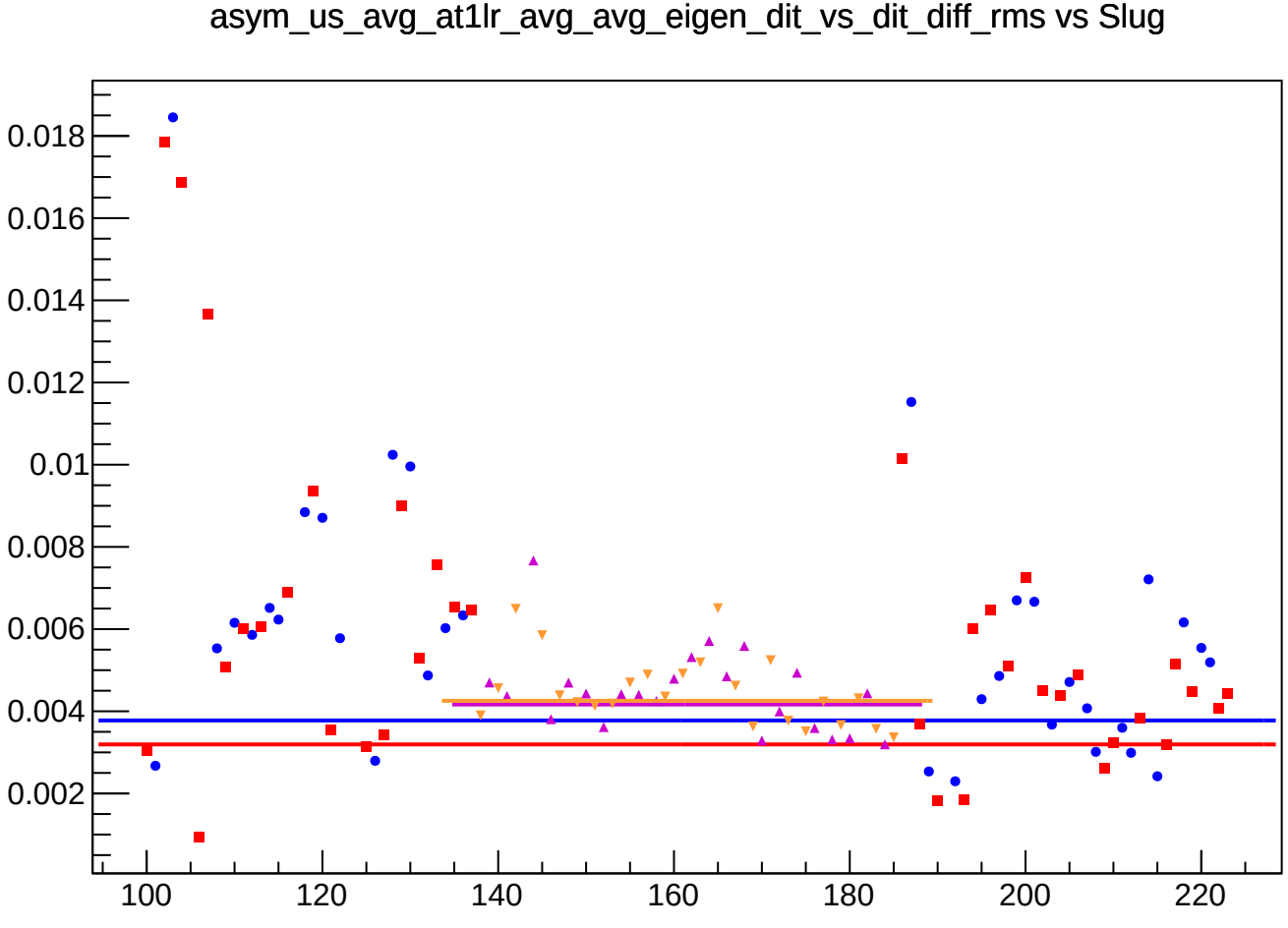
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 65.7/33
Left Out: -0.000+/-0.000 χ²/NDF:40.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 115.2/36
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
+ sign -0.000+/-0.000 χ²/NDF: 106.4/57
All: -0.000+/-0.000 χ²/NDF: 241.0/117
- sign -0.000+/-0.000 χ²/NDF: 134.6/59



Right In: 0.004+/-0.000 χ^2/NDF: 6926183.6/33

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

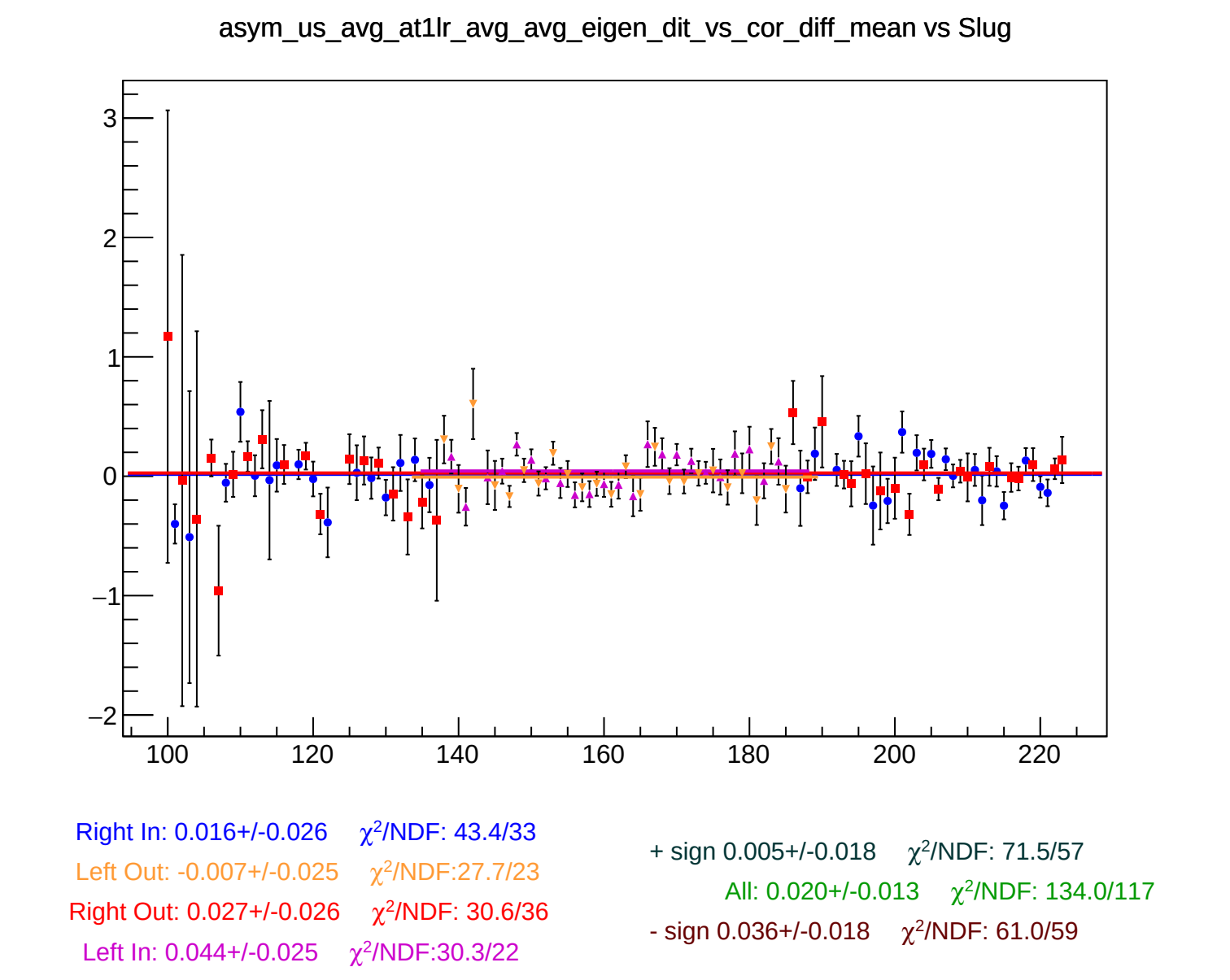
Right Out: 0.003+/-0.000 χ^2/NDF: 10942950.3/36

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 8008478.2/57

All: 0.004+/-0.000 χ^2/NDF: 21753710.2/117

- sign 0.004+/-0.000 χ^2/NDF: 13362615.1/59


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
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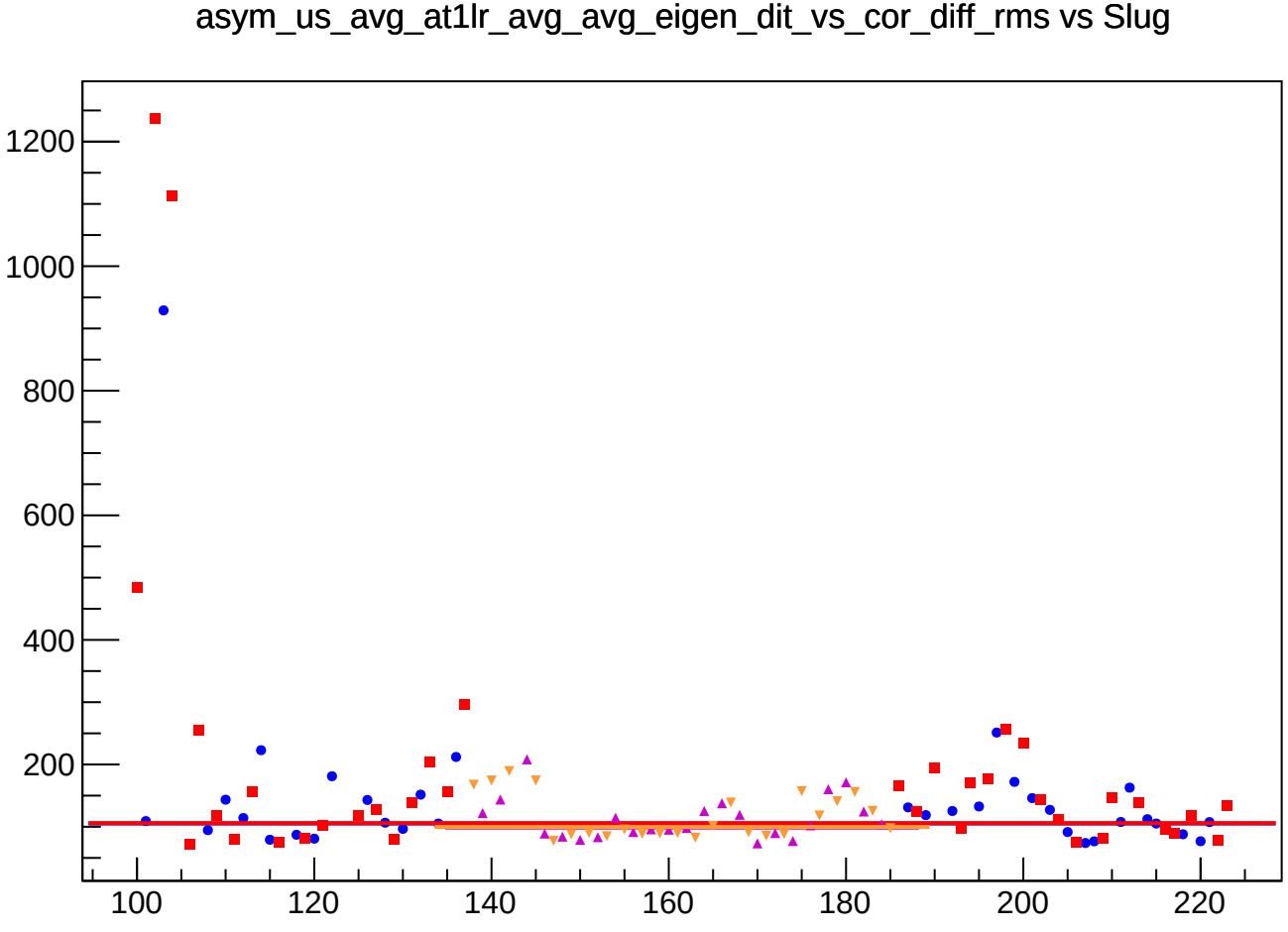
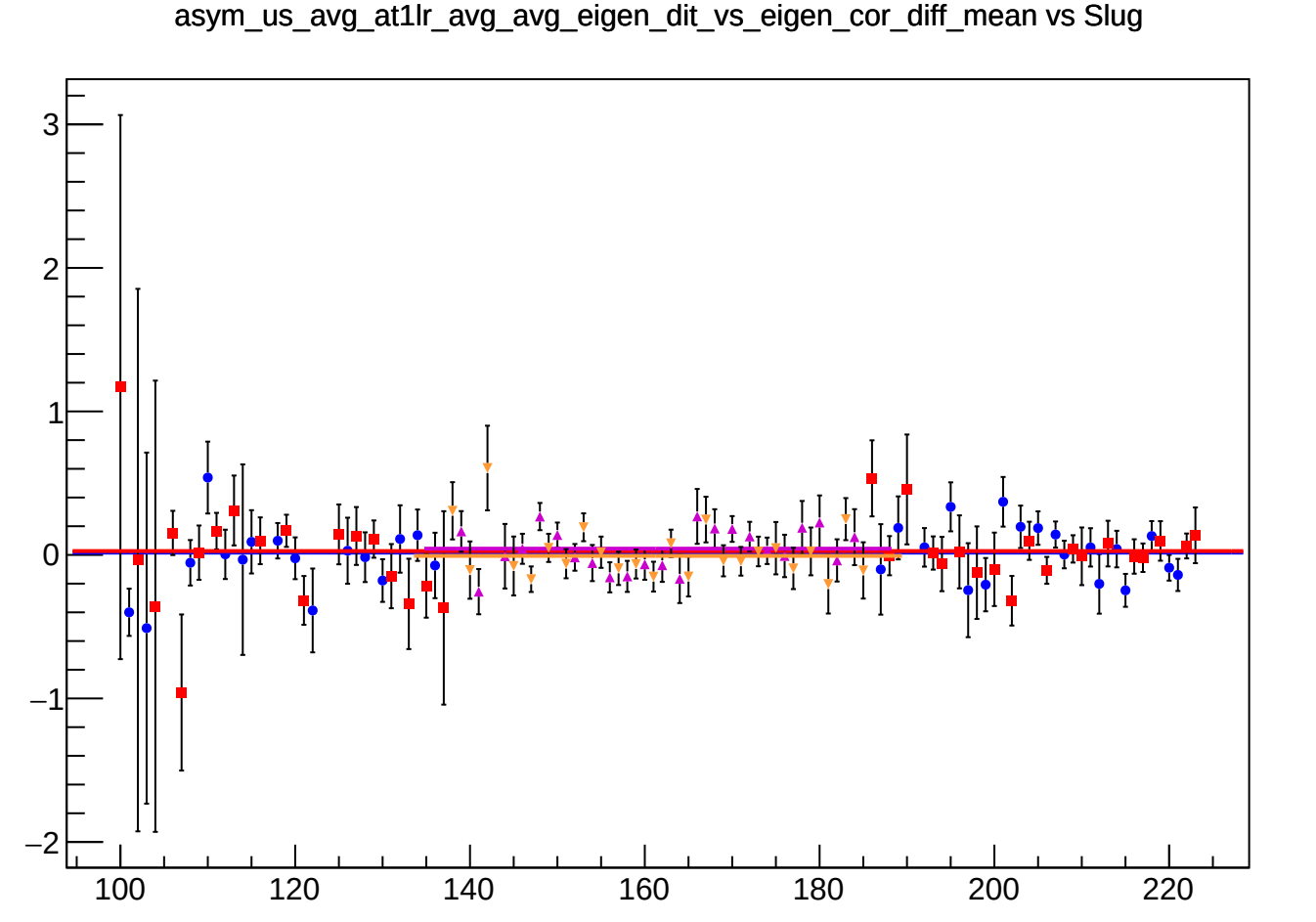
100
120
140
160
180
200
220
Right In: 0.016+/-0.026 χ²/NDF: 43.4/33
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.027+/-0.026 χ²/NDF: 30.6/36
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.005+/-0.018 χ²/NDF: 71.5/57
All: 0.020+/-0.013 χ²/NDF: 134.0/117
- sign 0.036+/-0.018 χ²/NDF: 61.0/59


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 105.236+/-0.018 χ²/NDF: 3663503.9/33
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 105.777+/-0.019 χ²/NDF: 5351735.9/36
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 102.354+/-0.013 χ²/NDF: 5783133.8/57
All: 102.203+/-0.009 χ²/NDF: 13215001.1/11
- sign 102.050+/-0.013 χ²/NDF: 7431585.6/59



Right In: 0.016+/-0.026 χ^2/NDF: 43.4/33

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

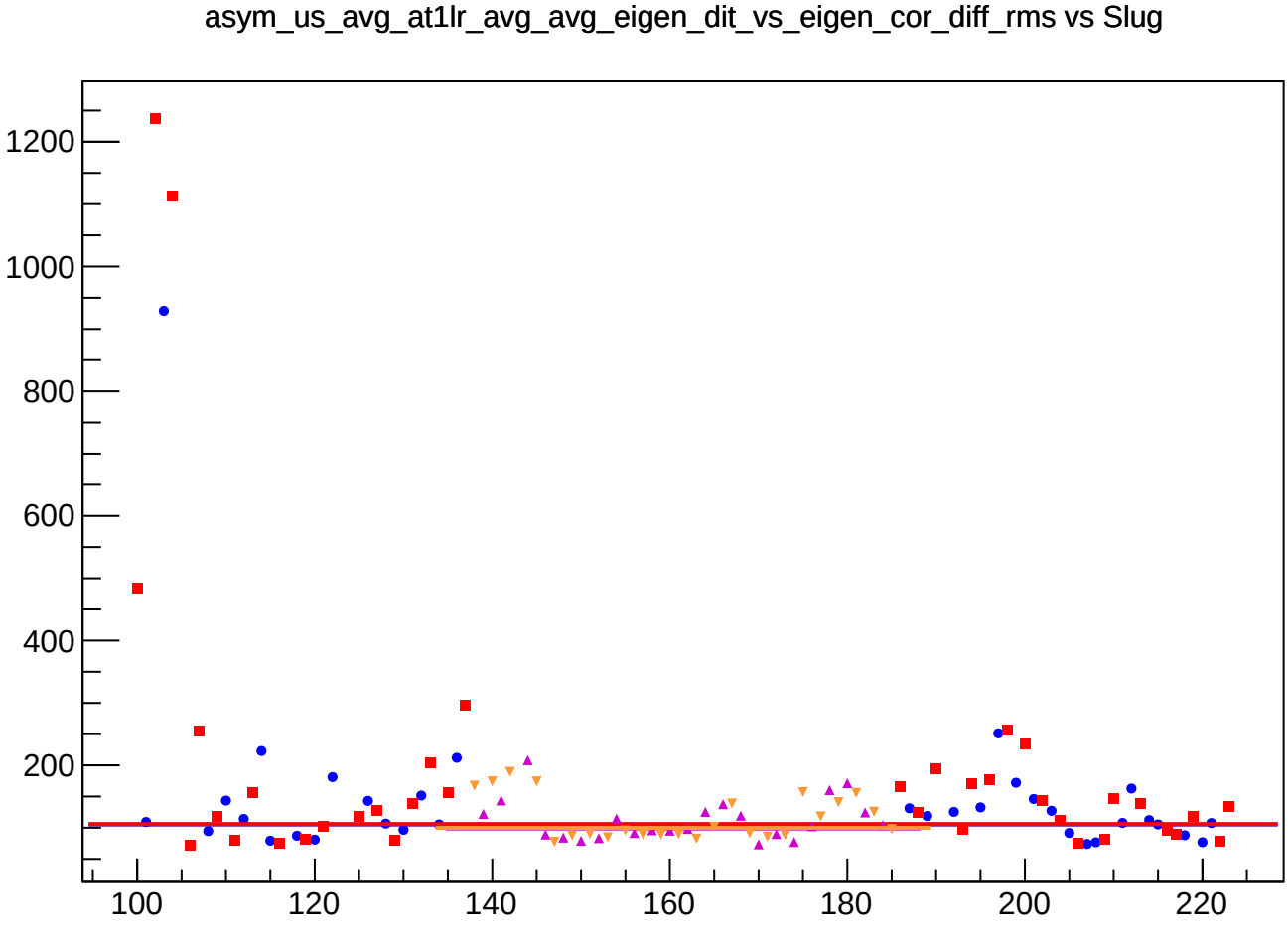
Right Out: 0.027+/-0.026 χ^2/NDF: 30.6/36

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.005+/-0.018 χ^2/NDF: 71.5/57

All: 0.020+/-0.013 χ^2/NDF: 134.0/117

- sign 0.036+/-0.018 χ^2/NDF: 61.0/59



Right In: 105.236+/-0.018 χ^2/NDF: 3663503.9/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

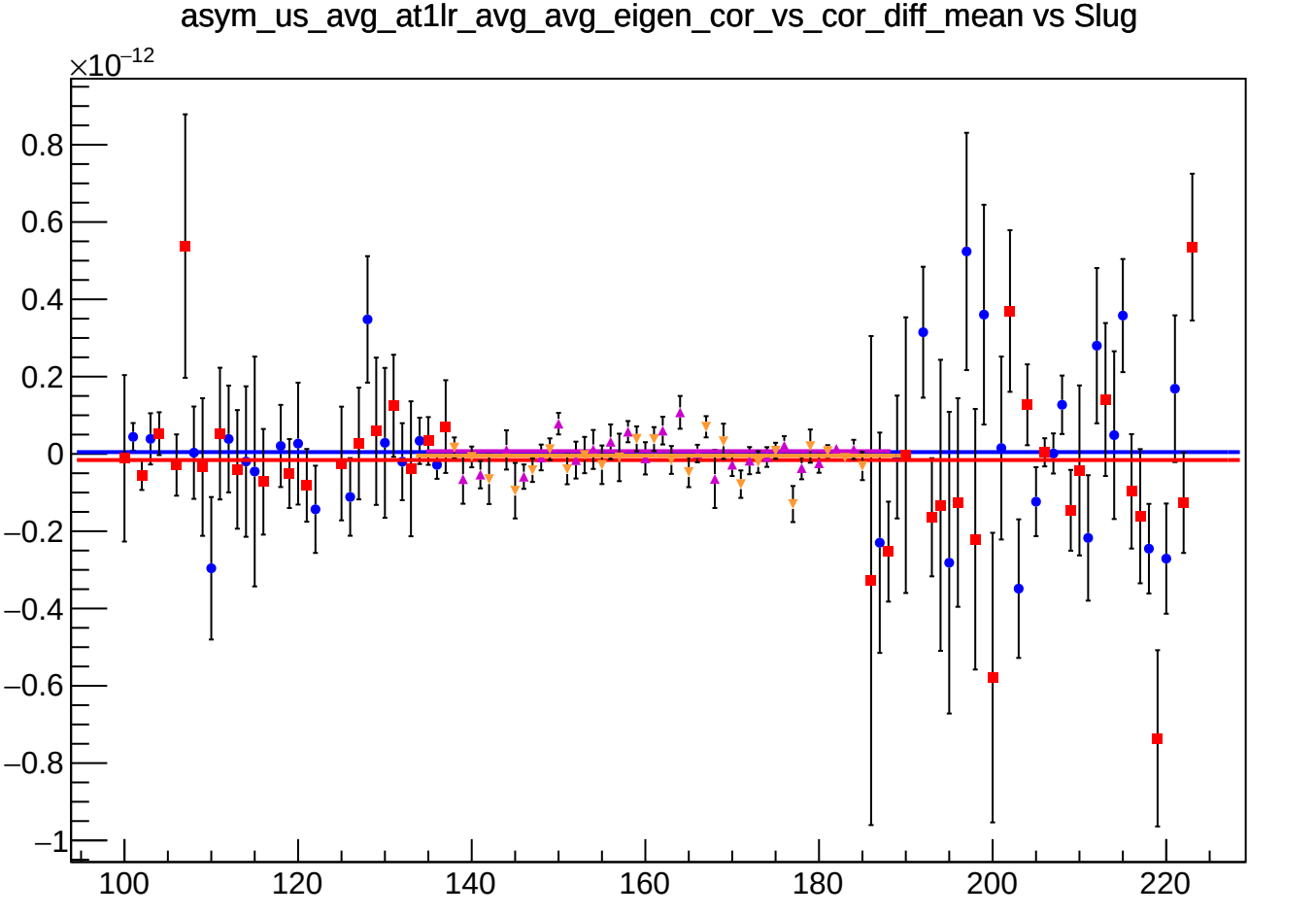
Right Out: 105.777+/-0.019 χ^2/NDF: 5351735.9/36

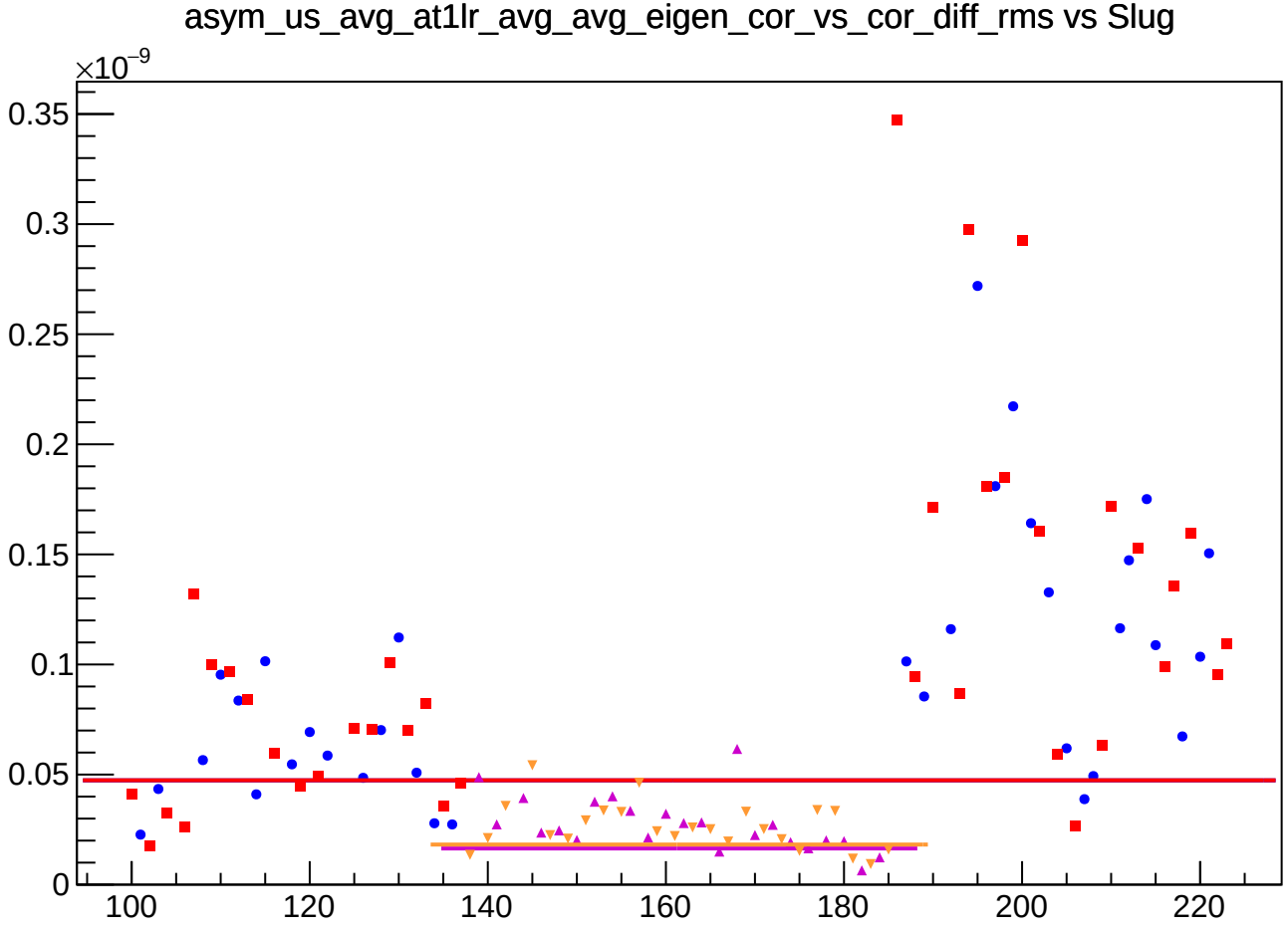
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.354+/-0.013 χ^2/NDF: 5783133.8/57

All: 102.203+/-0.009 χ^2/NDF: 13215001.1/11

- sign 102.050+/-0.013 χ^2/NDF: 7431585.6/59


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 49.2/33
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 44.1/36
Left In: 0.000+/-0.000 χ²/NDF:35.2/22
+ sign -0.000+/-0.000 χ²/NDF: 82.4/57
All: 0.000+/-0.000 χ²/NDF: 164.6/117
- sign 0.000+/-0.000 χ²/NDF: 81.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 8654588.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10449251.8/36

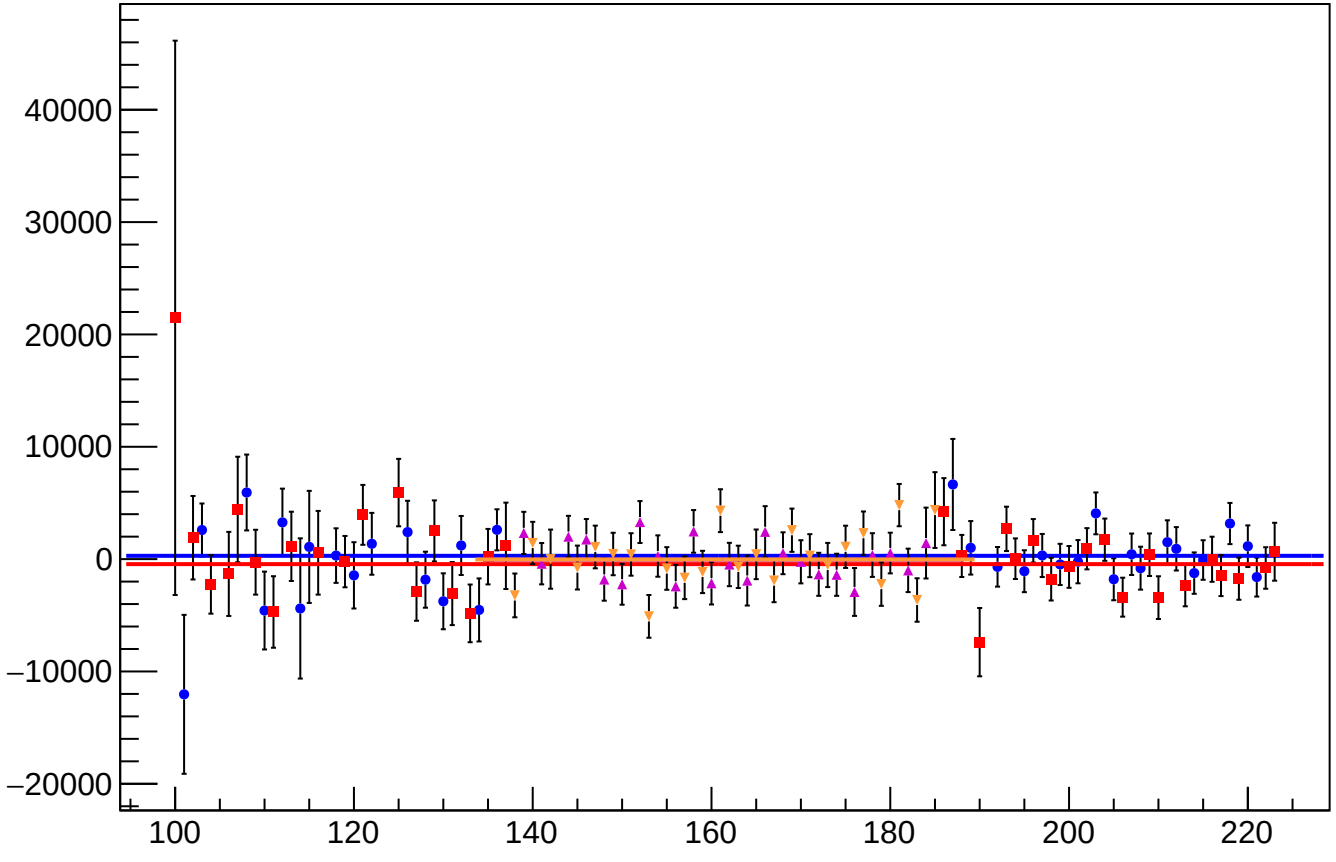
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18741431.8/57

All: 0.000+/-0.000 χ^2/NDF: 42440592.8/117

- sign 0.000+/-0.000 χ^2/NDF: 23523457.4/59

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 293.696+/-381.145 χ^2/NDF: 33.9/33

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -446.254+/-380.373 χ^2/NDF: 39.9/36

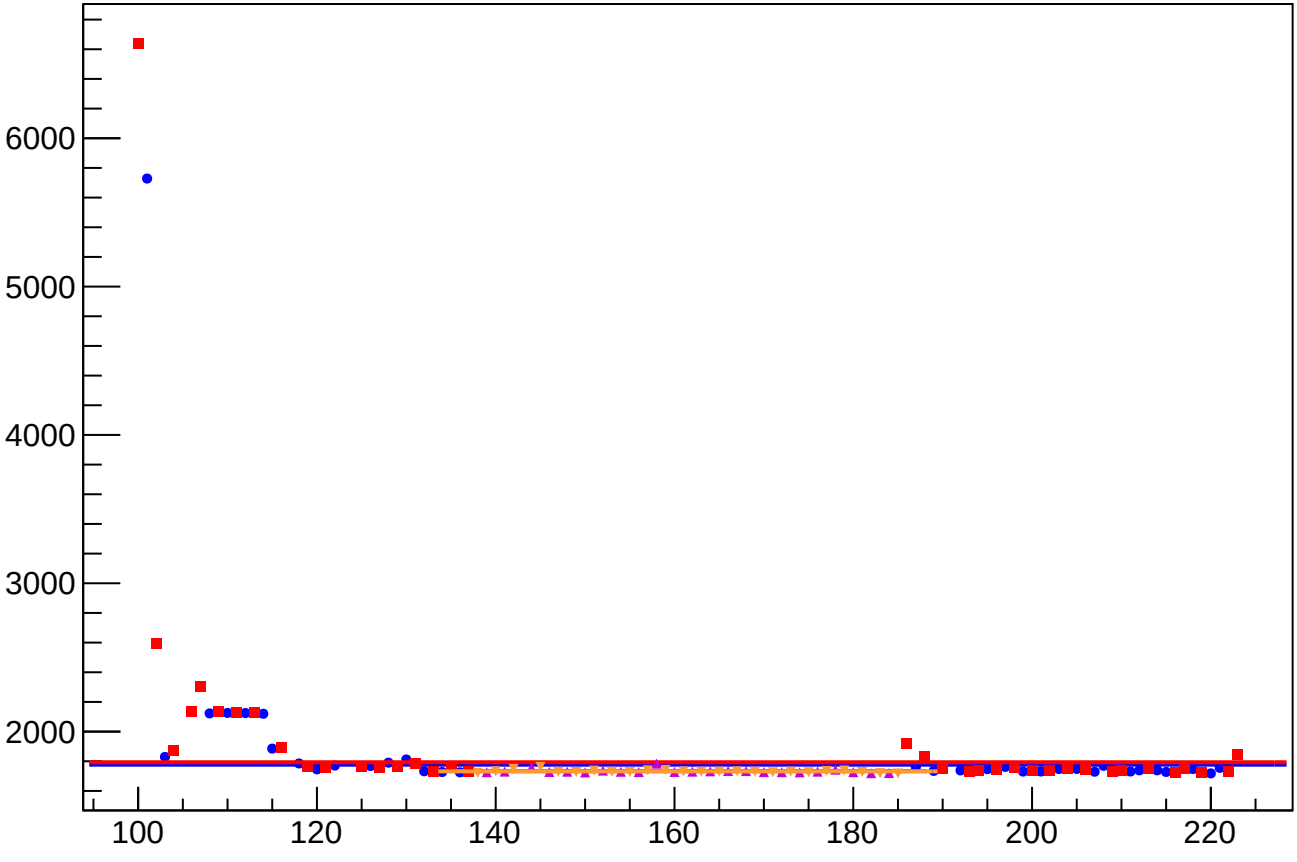
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign 138.178+/-276.579 χ^2/NDF: 69.6/57

All: -61.340+/-195.778 χ^2/NDF: 130.4/117

\- sign -261.707+/-277.167 χ^2/NDF: 59.8/59

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1777.091+/-0.270 χ^2/NDF: 717668.3/33

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

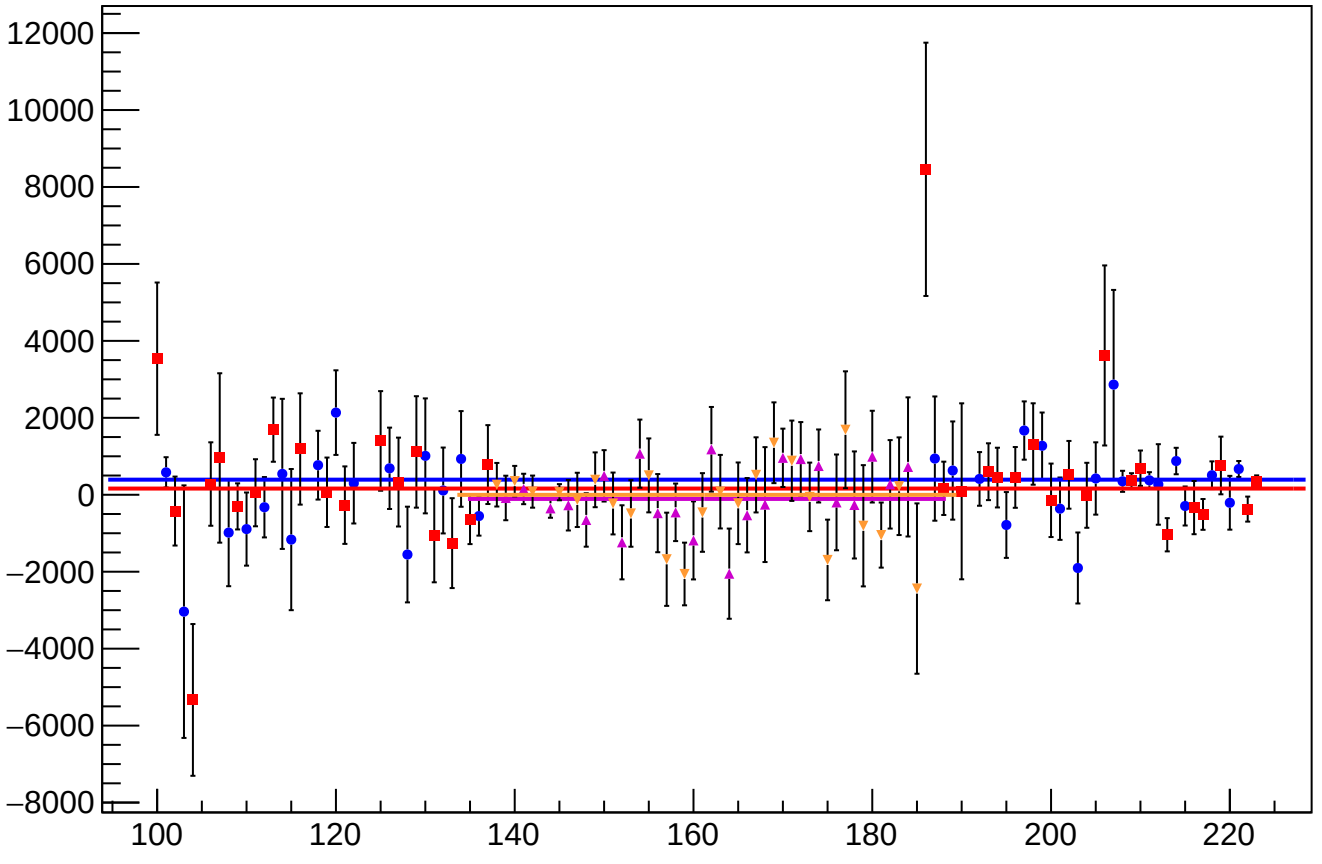
Right Out: 1793.398+/-0.269 χ^2/NDF: 323293.1/36

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.737+/-0.196 χ^2/NDF: 731866.3/57

All: 1760.467+/-0.138 χ^2/NDF: 1081968.0/11

- sign 1765.217+/-0.196 χ^2/NDF: 348929.3/59



Right In: 392.648+/-93.703 χ^2/NDF: 35.2/33

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

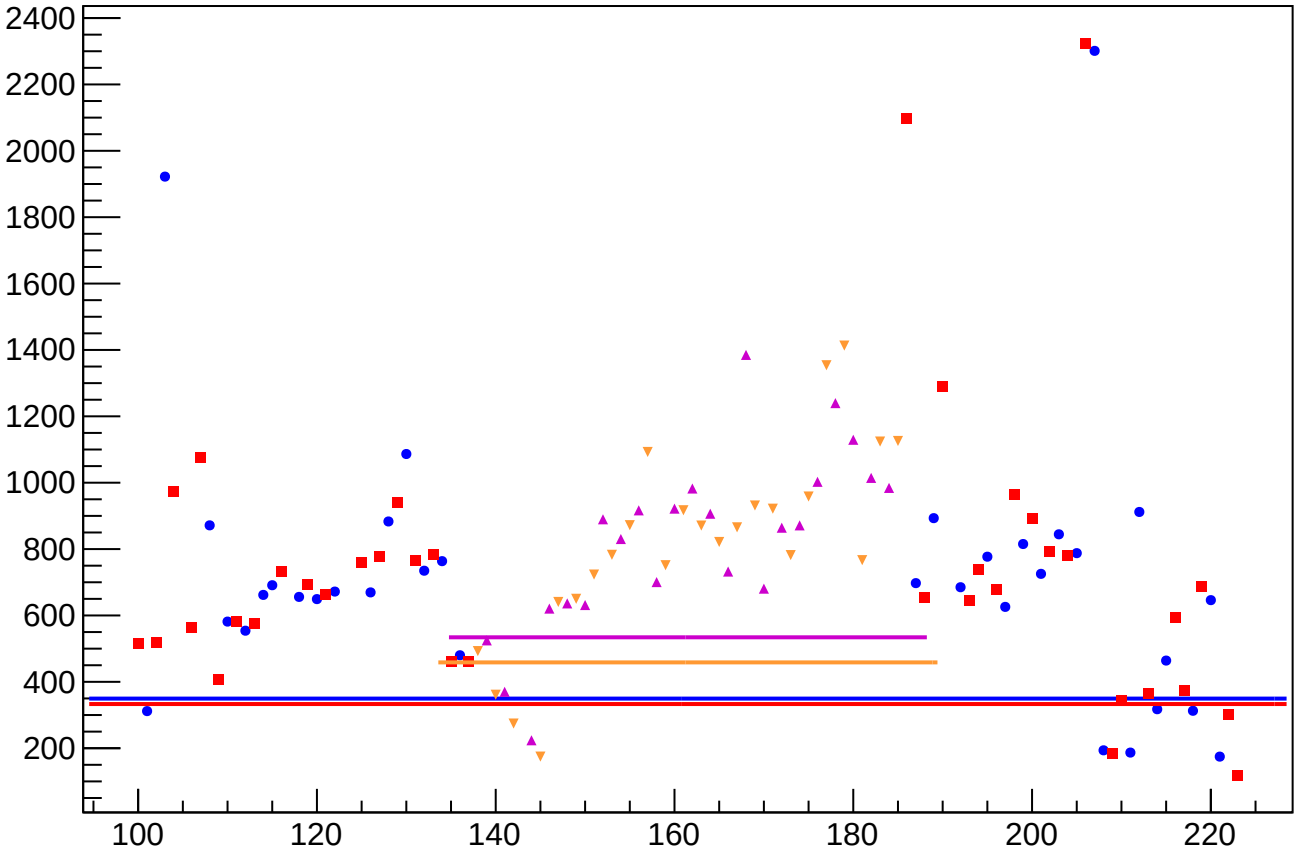
Right Out: 161.181+/-91.130 χ^2/NDF: 50.1/36

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

\+ sign 257.647+/-76.025 χ^2/NDF: 61.6/57

All: 171.603+/-54.064 χ^2/NDF: 133.8/117

\- sign 83.567+/-76.900 χ^2/NDF: 69.7/59



Right In: 349.501+/-0.066 χ^2/NDF: 12617645.7/33

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 333.089+/-0.064 χ^2/NDF: 15070375.6/36

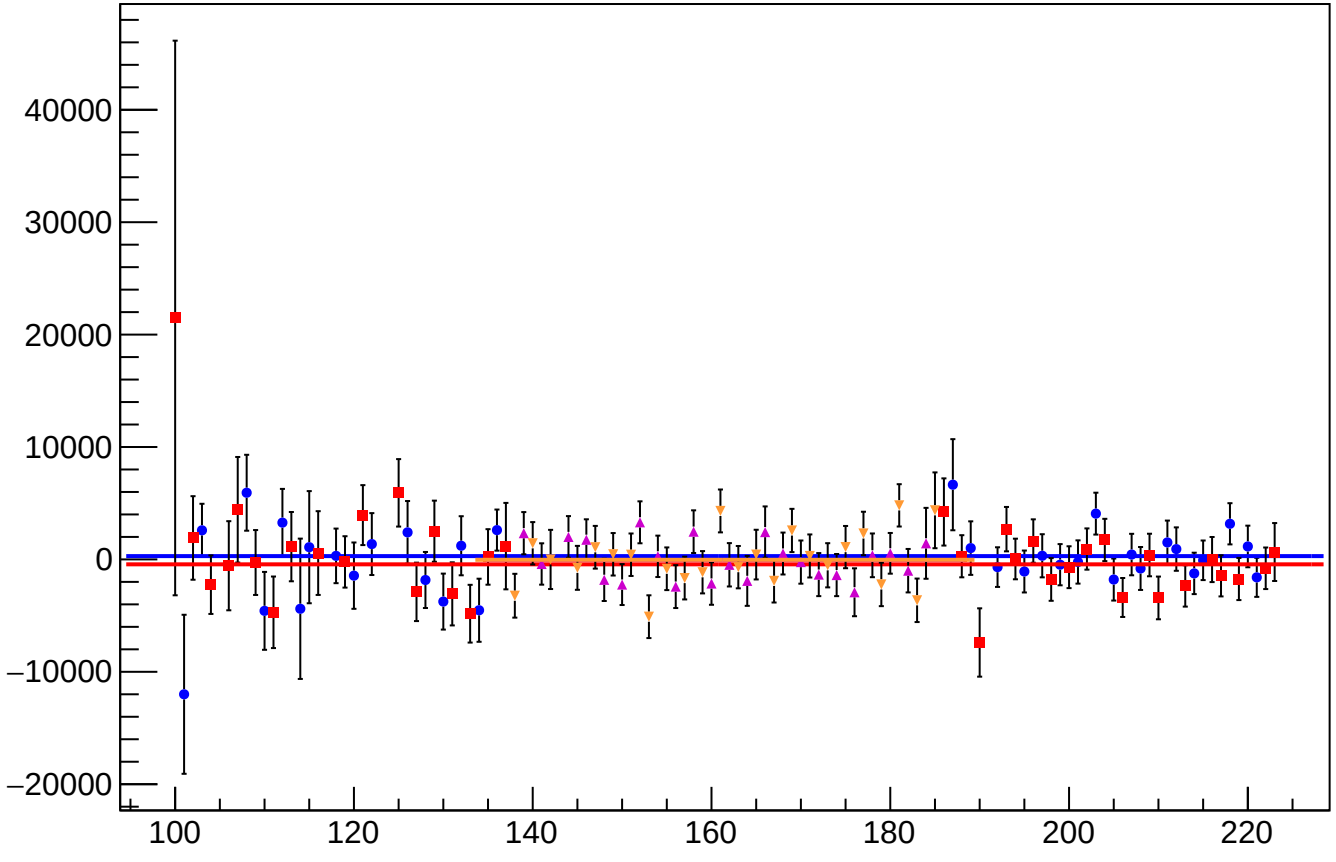
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 386.776+/-0.054 χ^2/NDF: 24970525.1/57

All: 388.855+/-0.038 χ^2/NDF: 51290575.4/11

- sign 390.982+/-0.054 χ^2/NDF: 26317024.7/59

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 293.760+/-381.145 χ^2/NDF: 33.8/33

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -438.254+/-380.587 χ^2/NDF: 39.8/36

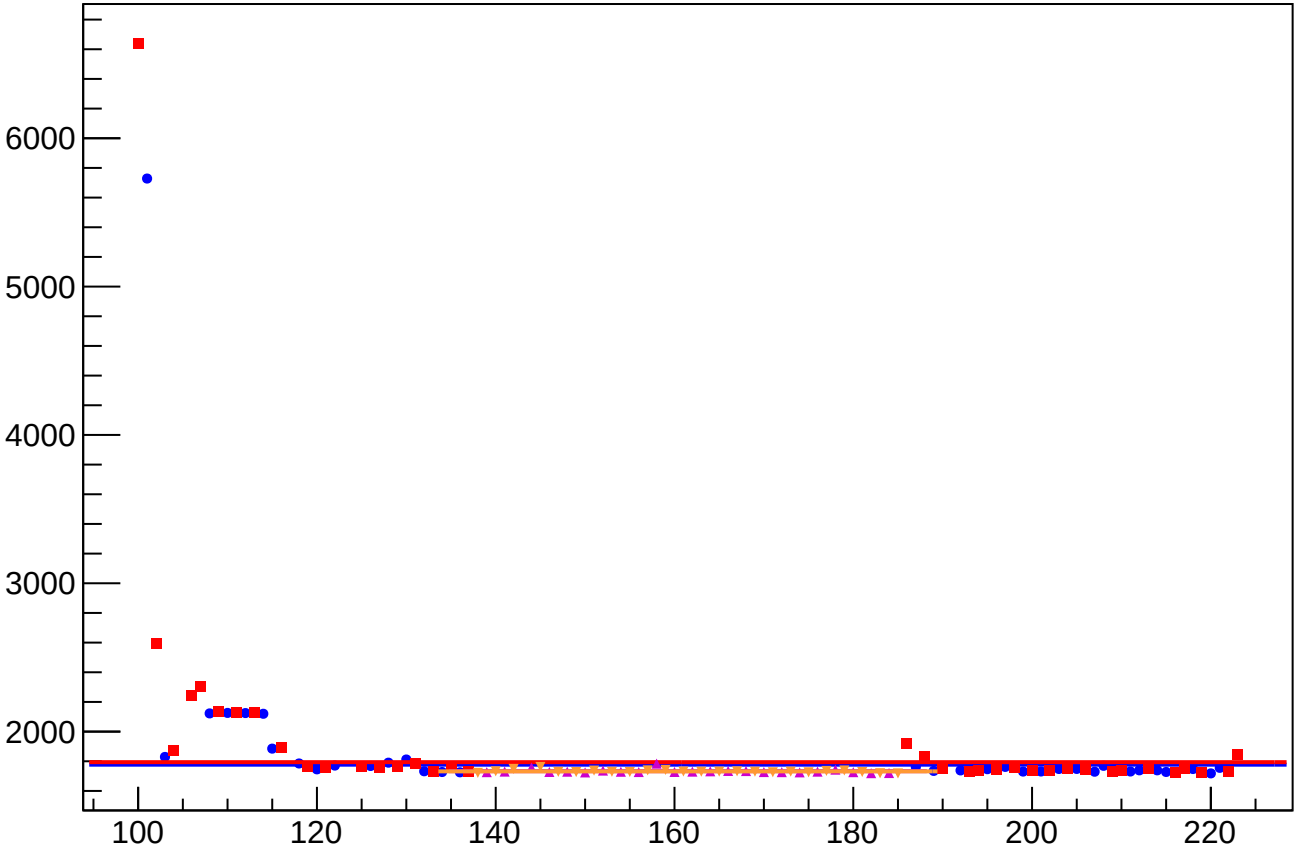
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 138.239+/-276.579 χ^2/NDF: 69.6/57

All: -59.058+/-195.808 χ^2/NDF: 130.3/117

- sign -257.312+/-277.249 χ^2/NDF: 59.7/59

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1777.091+/-0.270 χ^2/NDF: 717668.1/33

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

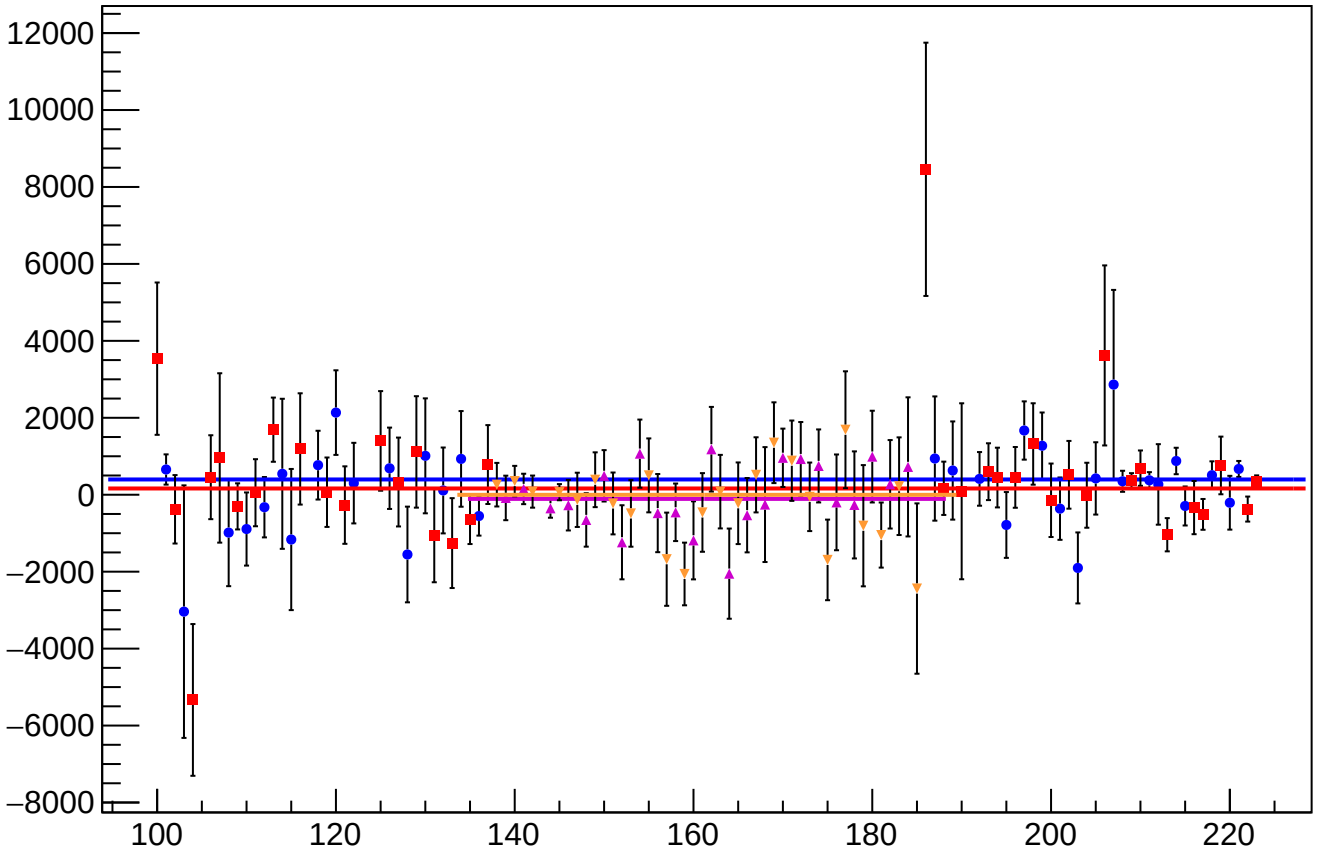
Right Out: 1793.980+/-0.269 χ^2/NDF: 332039.0/36

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.737+/-0.196 χ^2/NDF: 731866.1/57

All: 1760.611+/-0.138 χ^2/NDF: 1091229.8/11

- sign 1765.509+/-0.196 χ^2/NDF: 358118.3/59



Right In: 397.000+/-93.692 χ^2/NDF: 35.5/33

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

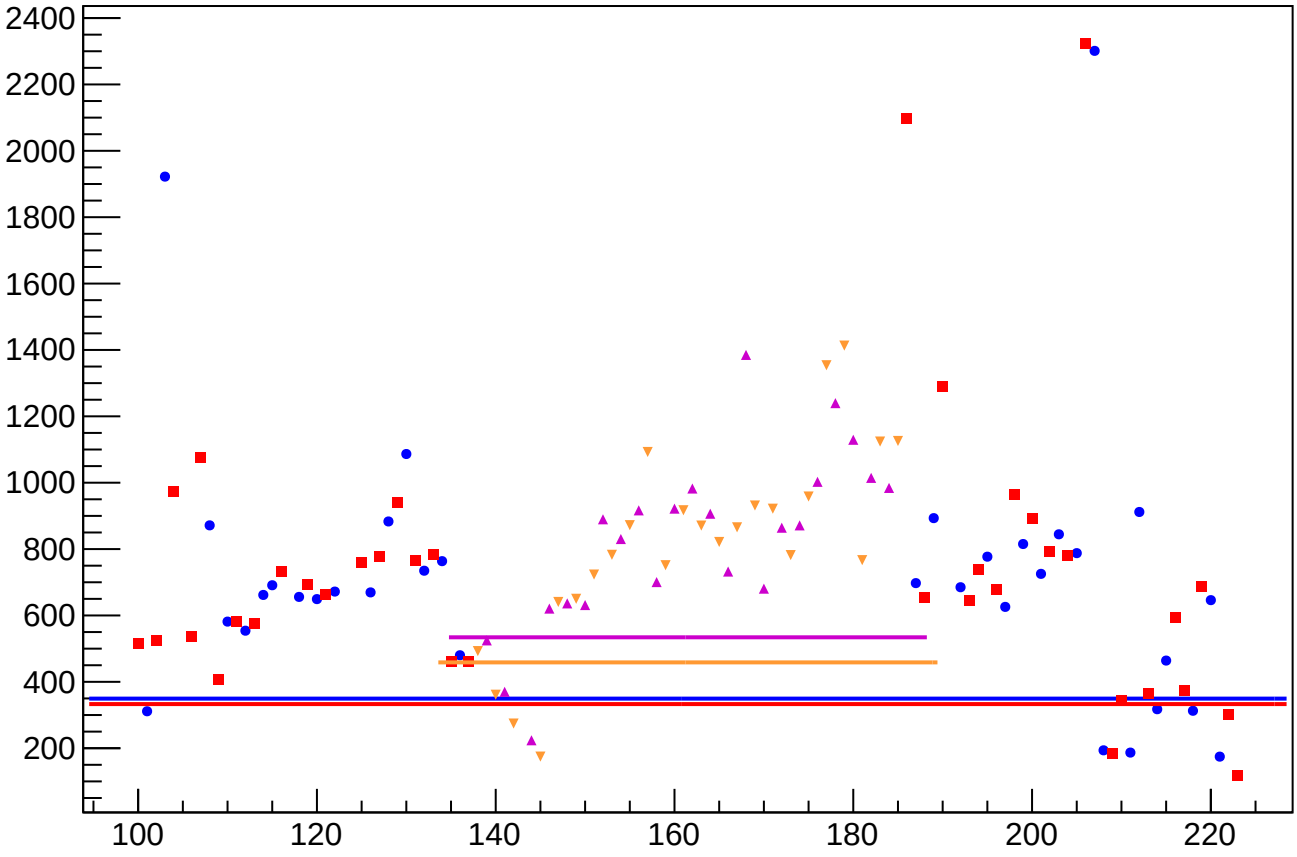
Right Out: 162.605+/-91.124 χ^2/NDF: 50.1/36

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 260.494+/-76.019 χ^2/NDF: 62.0/57

All: 173.555+/-54.061 χ^2/NDF: 134.3/117

- sign 84.597+/-76.897 χ^2/NDF: 69.7/59



Right In: 349.436+/-0.066 χ^2/NDF: 12620003.4/33

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

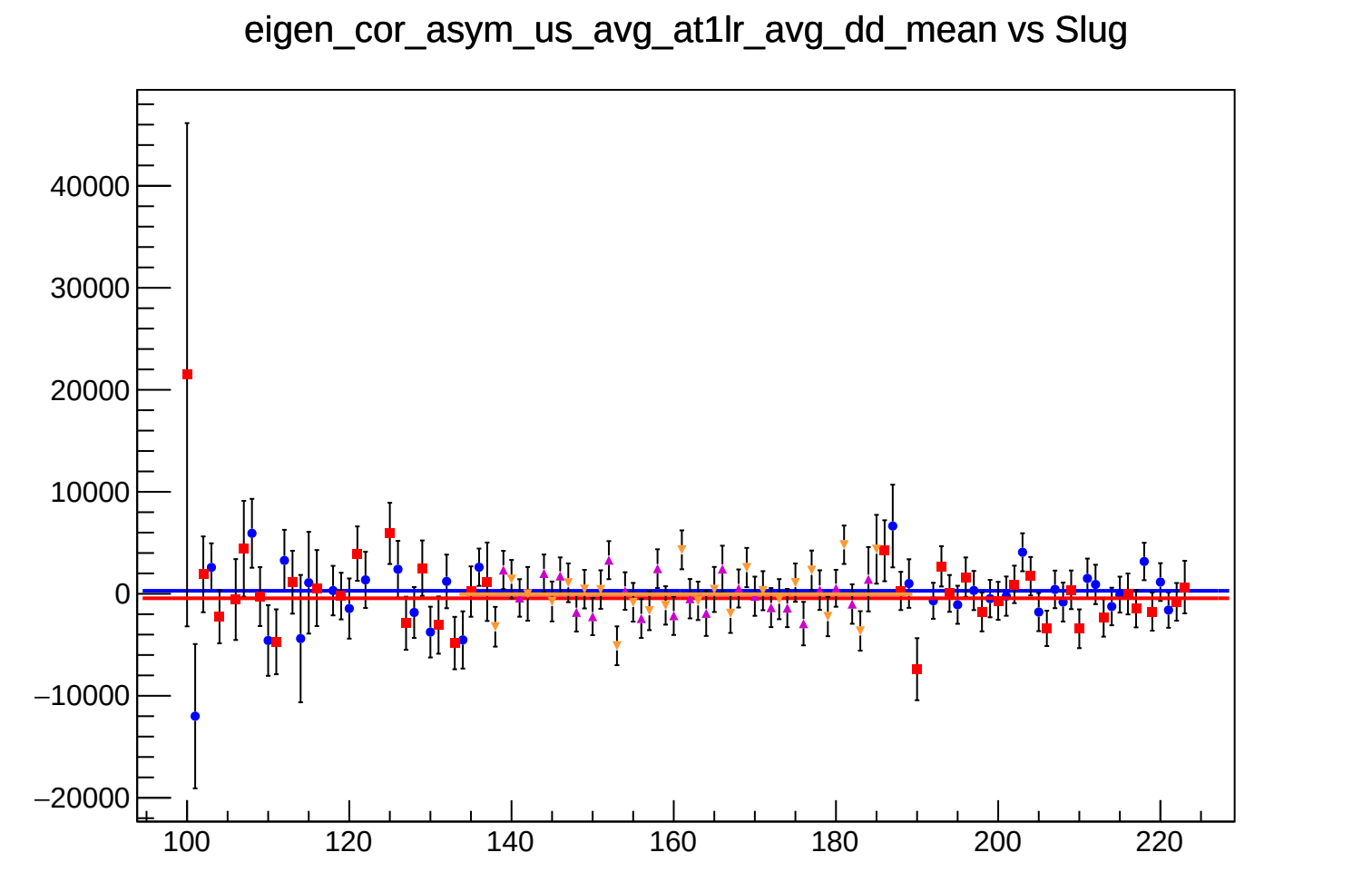
Right Out: 332.966+/-0.064 χ^2/NDF: 15058299.5/36

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 386.730+/-0.054 χ^2/NDF: 24973805.9/57

All: 388.786+/-0.038 χ^2/NDF: 51284976.7/11

- sign 390.891+/-0.054 χ^2/NDF: 26308209.1/59



Right In: 293.760+/-381.145 χ^2/NDF: 33.8/33

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -438.254+/-380.587 χ^2/NDF: 39.8/36

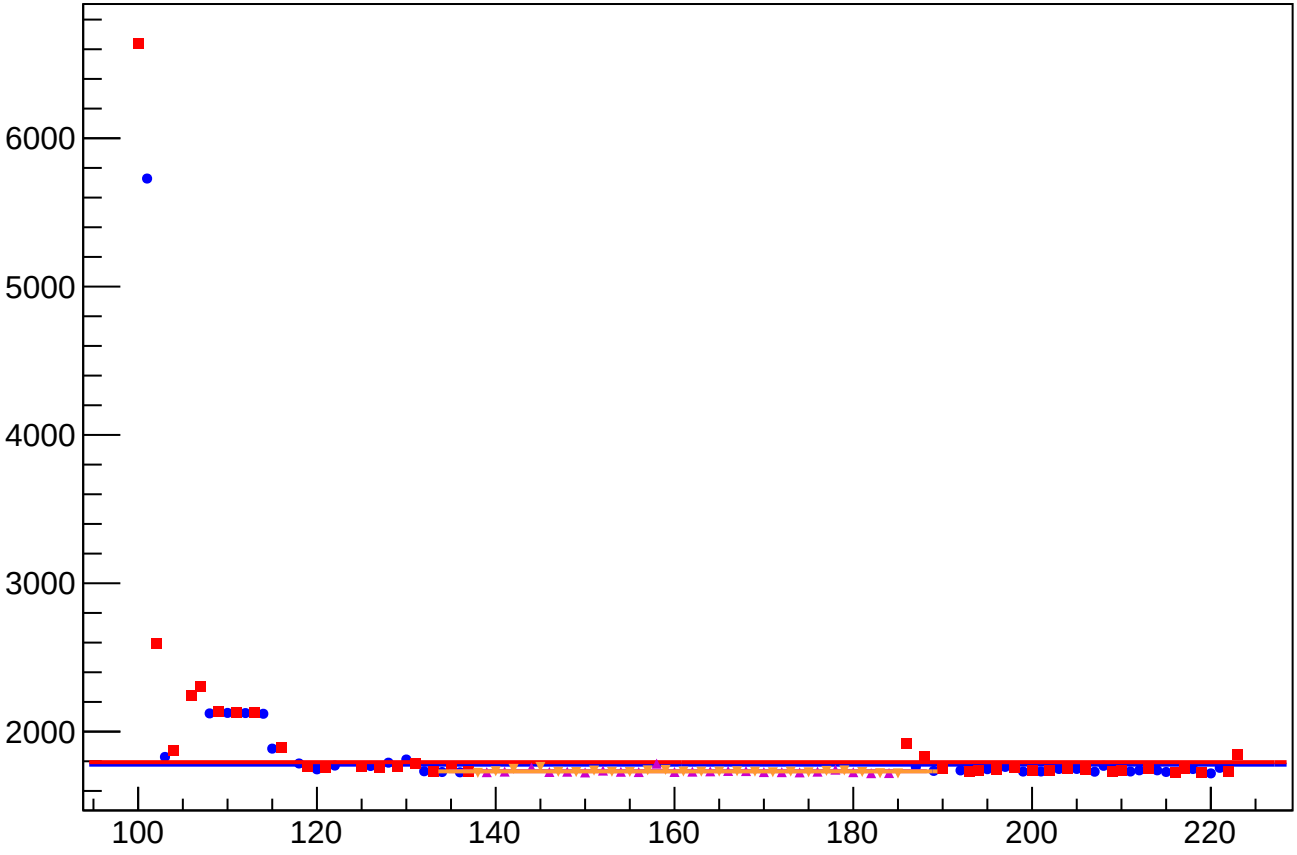
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 138.239+/-276.579 χ^2/NDF: 69.6/57

All: -59.058+/-195.808 χ^2/NDF: 130.3/117

- sign -257.312+/-277.249 χ^2/NDF: 59.7/59

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1777.091+/-0.270 χ^2/NDF: 717668.1/33

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

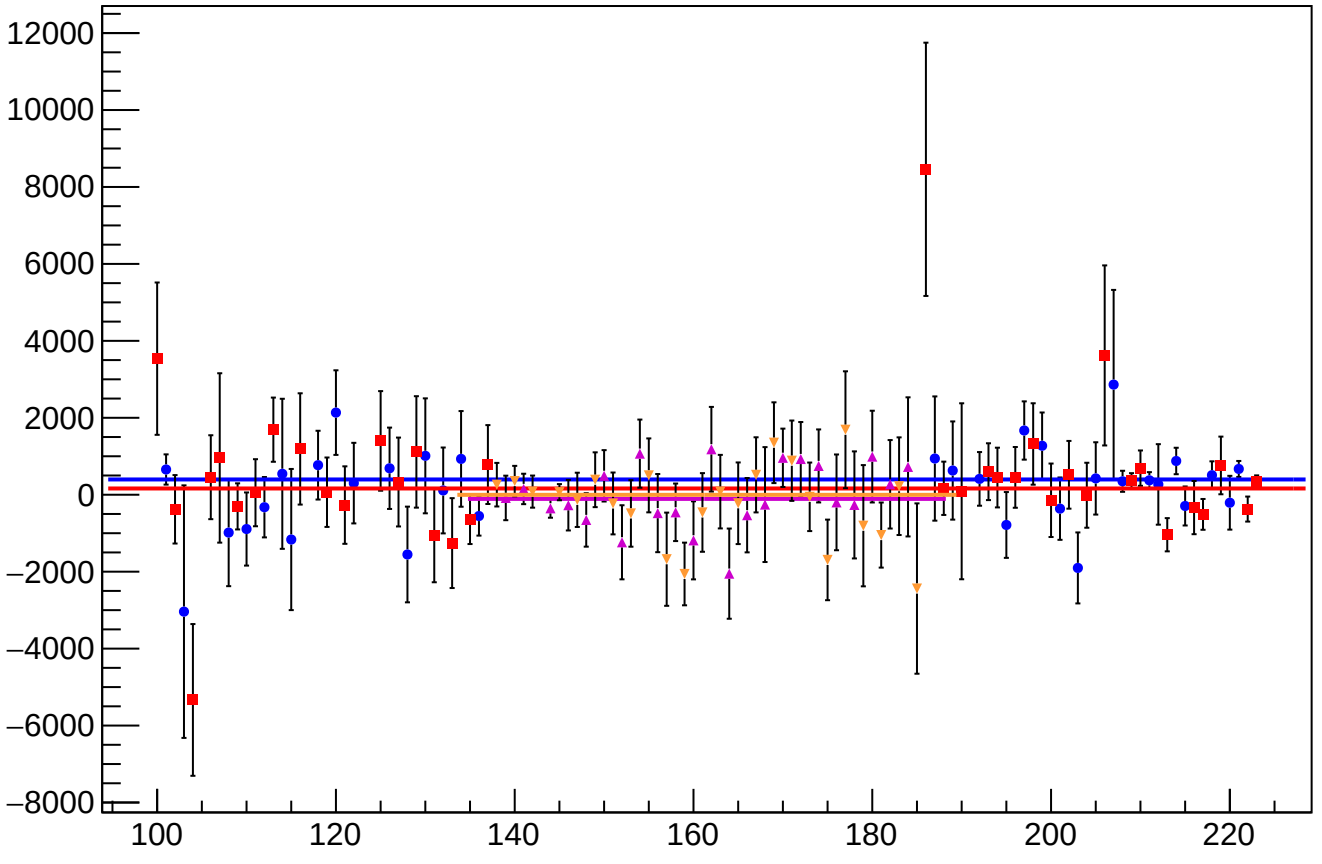
Right Out: 1793.980+/-0.269 χ^2/NDF: 332039.0/36

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.737+/-0.196 χ^2/NDF: 731866.1/57

All: 1760.611+/-0.138 χ^2/NDF: 1091229.8/11

- sign 1765.509+/-0.196 χ^2/NDF: 358118.3/59



Right In: 397.000+/-93.692 χ^2/NDF: 35.5/33

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

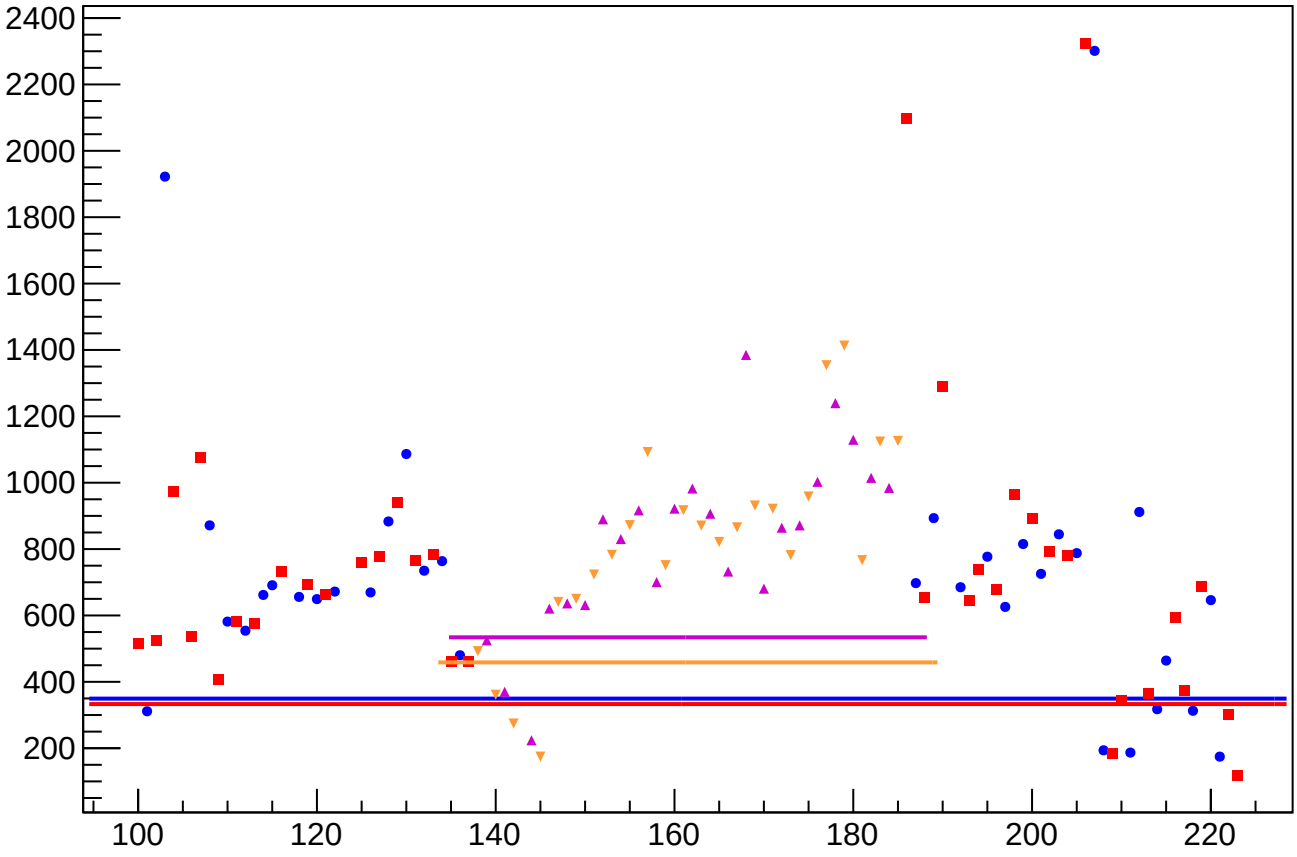
Right Out: 162.605+/-91.124 χ^2/NDF: 50.1/36

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 260.494+/-76.019 χ^2/NDF: 62.0/57

All: 173.555+/-54.061 χ^2/NDF: 134.3/117

- sign 84.597+/-76.897 χ^2/NDF: 69.7/59



Right In: 349.436+/-0.066 χ^2/NDF: 12620003.4/33

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 332.966+/-0.064 χ^2/NDF: 15058299.5/36

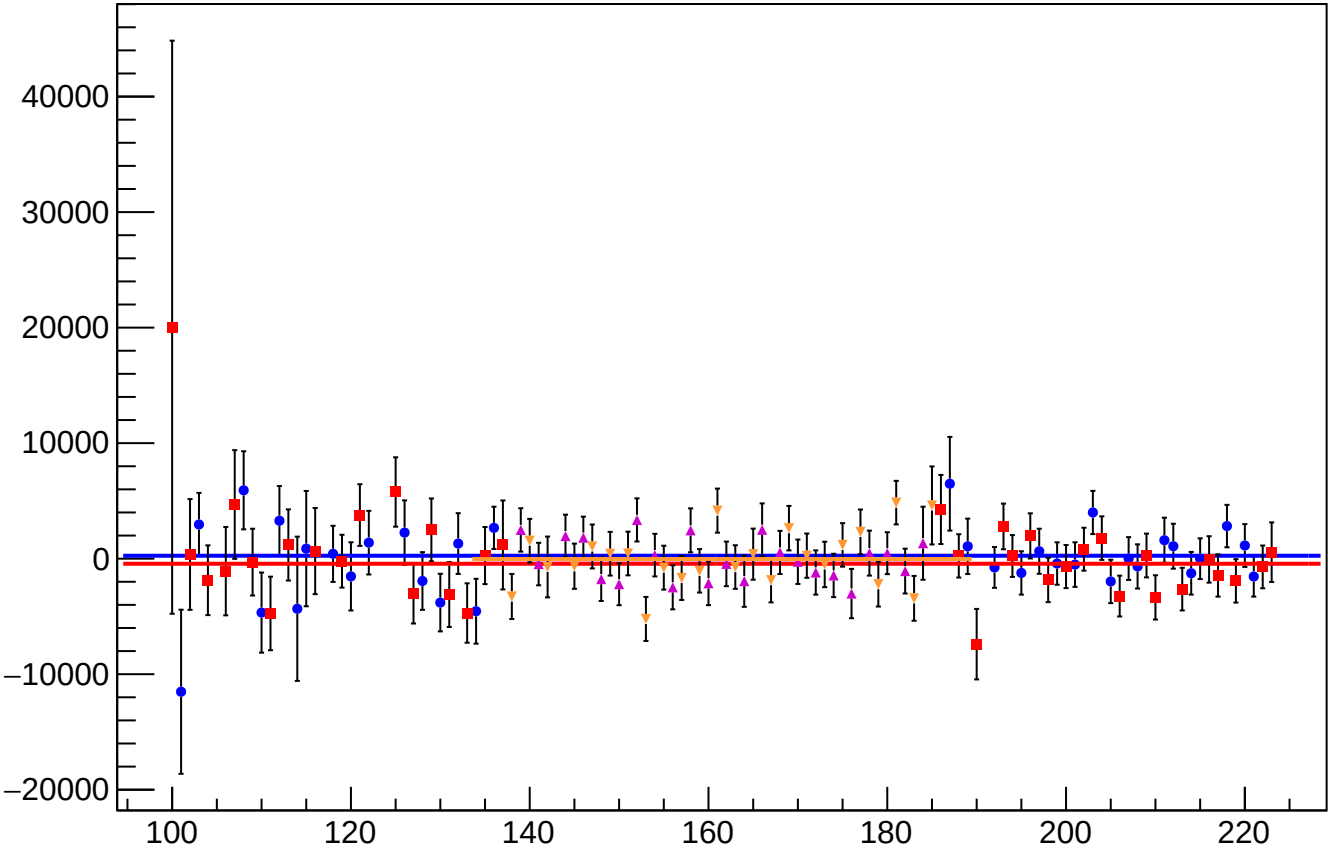
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 386.730+/-0.054 χ^2/NDF: 24973805.9/57

All: 388.786+/-0.038 χ^2/NDF: 51284976.7/11

- sign 390.891+/-0.054 χ^2/NDF: 26308209.1/59

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 253.469+/-383.474 χ^2/NDF: 33.5/33

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -439.338+/-383.711 χ^2/NDF: 39.2/36

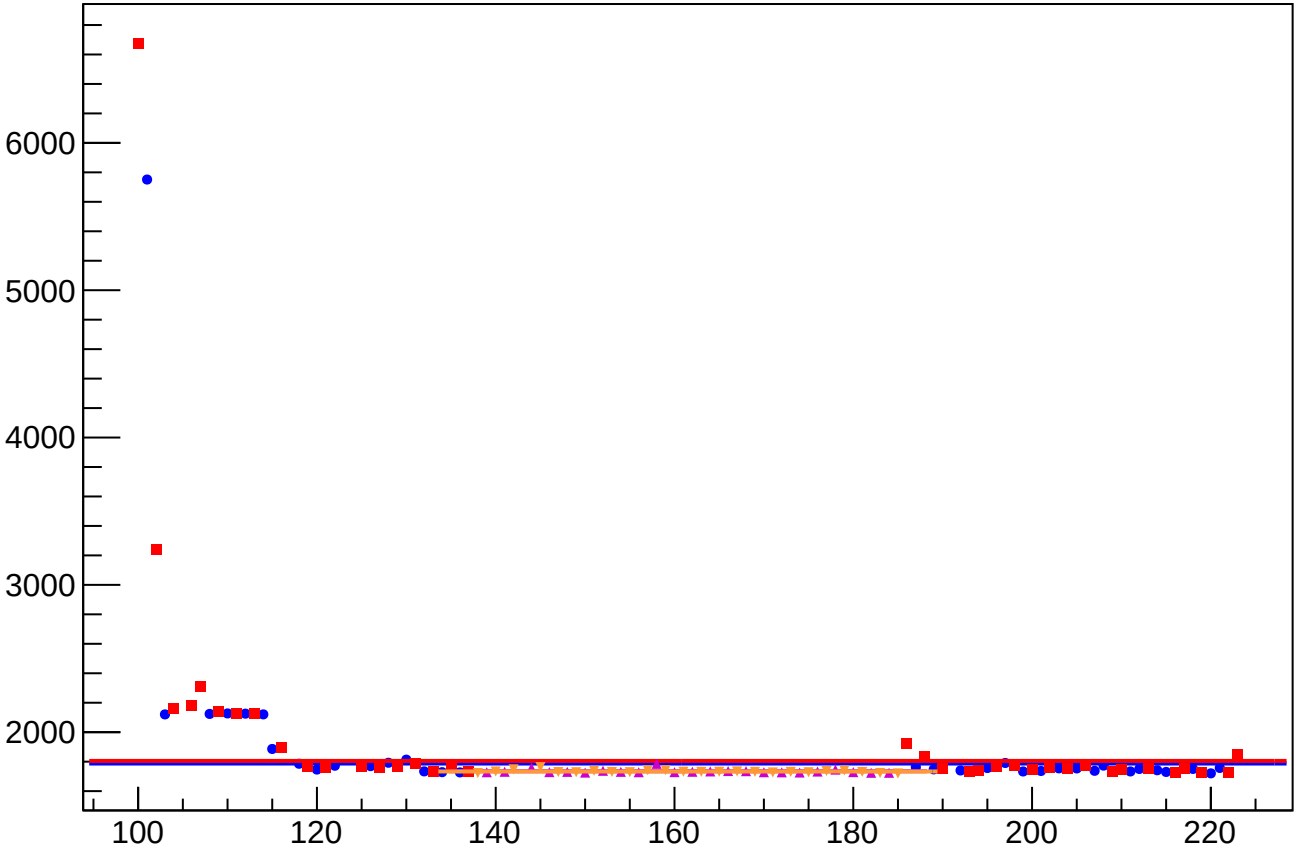
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 118.819+/-277.580 χ^2/NDF: 69.2/57

All: -65.750+/-196.625 χ^2/NDF: 129.6/117

- sign -251.631+/-278.564 χ^2/NDF: 59.6/59

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1787.326+/-0.271 χ^2/NDF: 746145.3/33

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

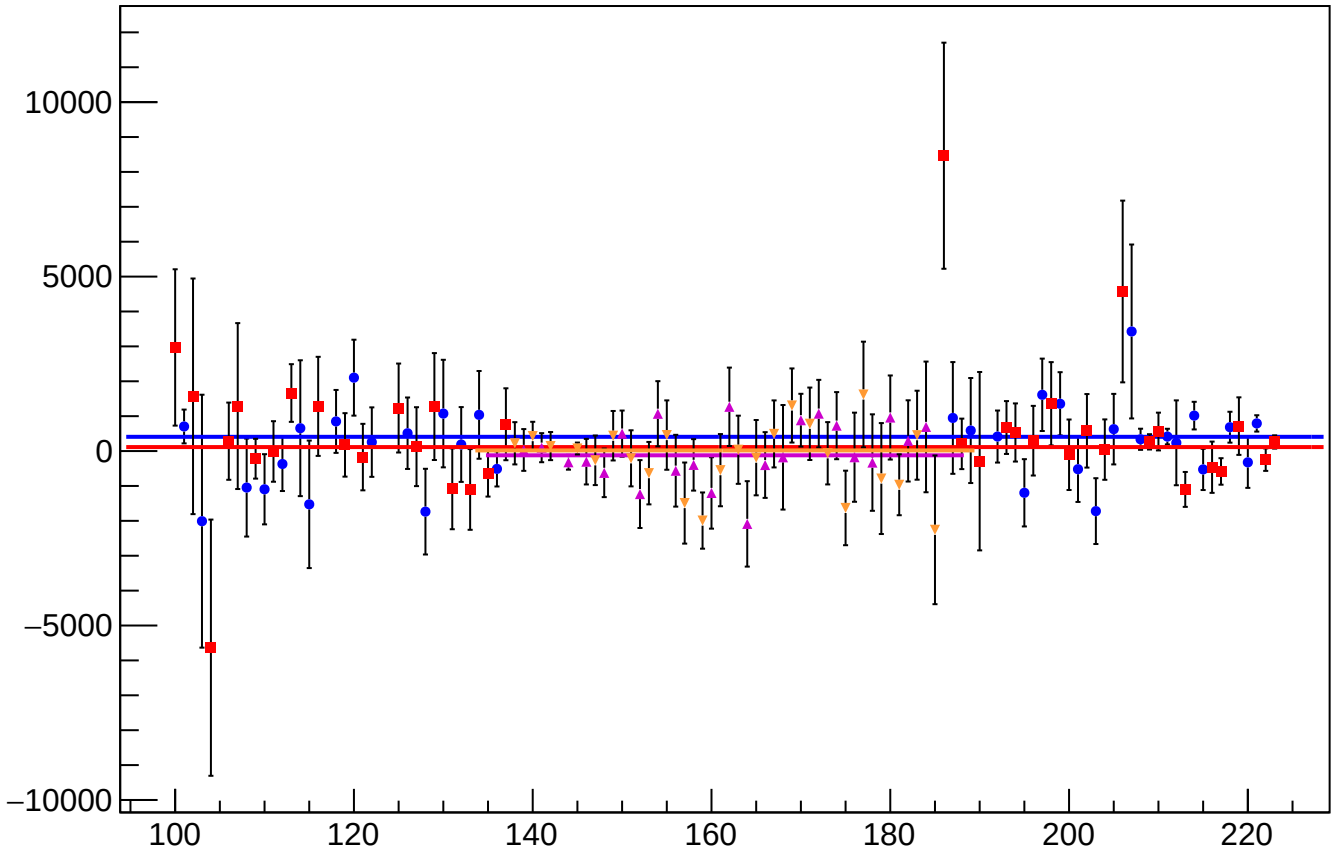
Right Out: 1805.085+/-0.271 χ^2/NDF: 435957.5/36

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1761.693+/-0.196 χ^2/NDF: 765819.5/57

All: 1766.752+/-0.139 χ^2/NDF: 1237015.6/11

- sign 1771.848+/-0.197 χ^2/NDF: 469862.4/59



Right In: 408.207+/-103.210 χ^2/NDF: 37.8/33

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

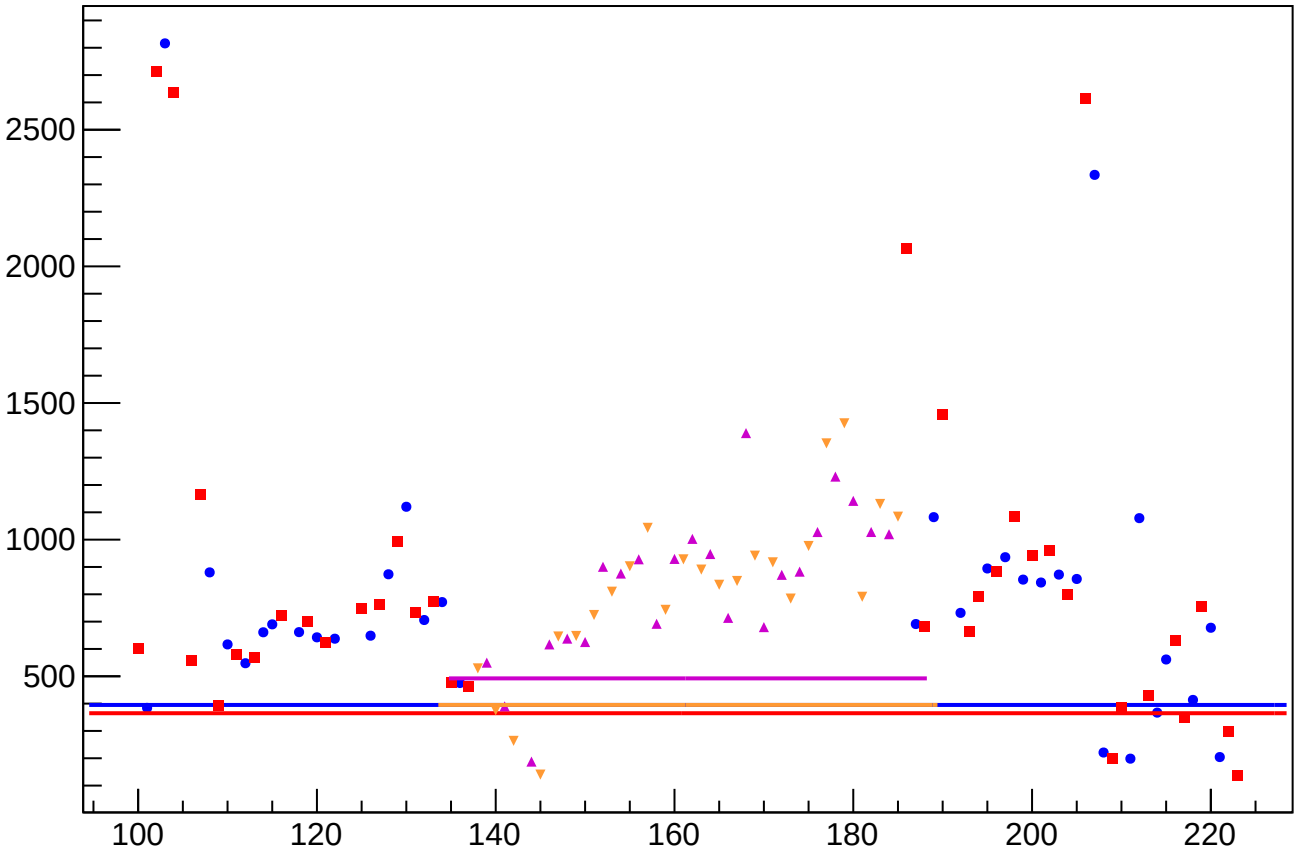
Right Out: 114.188+/-98.637 χ^2/NDF: 39.5/36

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 241.237+/-78.063 χ^2/NDF: 63.3/57

All: 140.146+/-55.898 χ^2/NDF: 124.7/117

- sign 33.770+/-80.078 χ^2/NDF: 58.0/59



Right In: 395.092+/-0.073 χ^2/NDF: 12772137.0/33

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

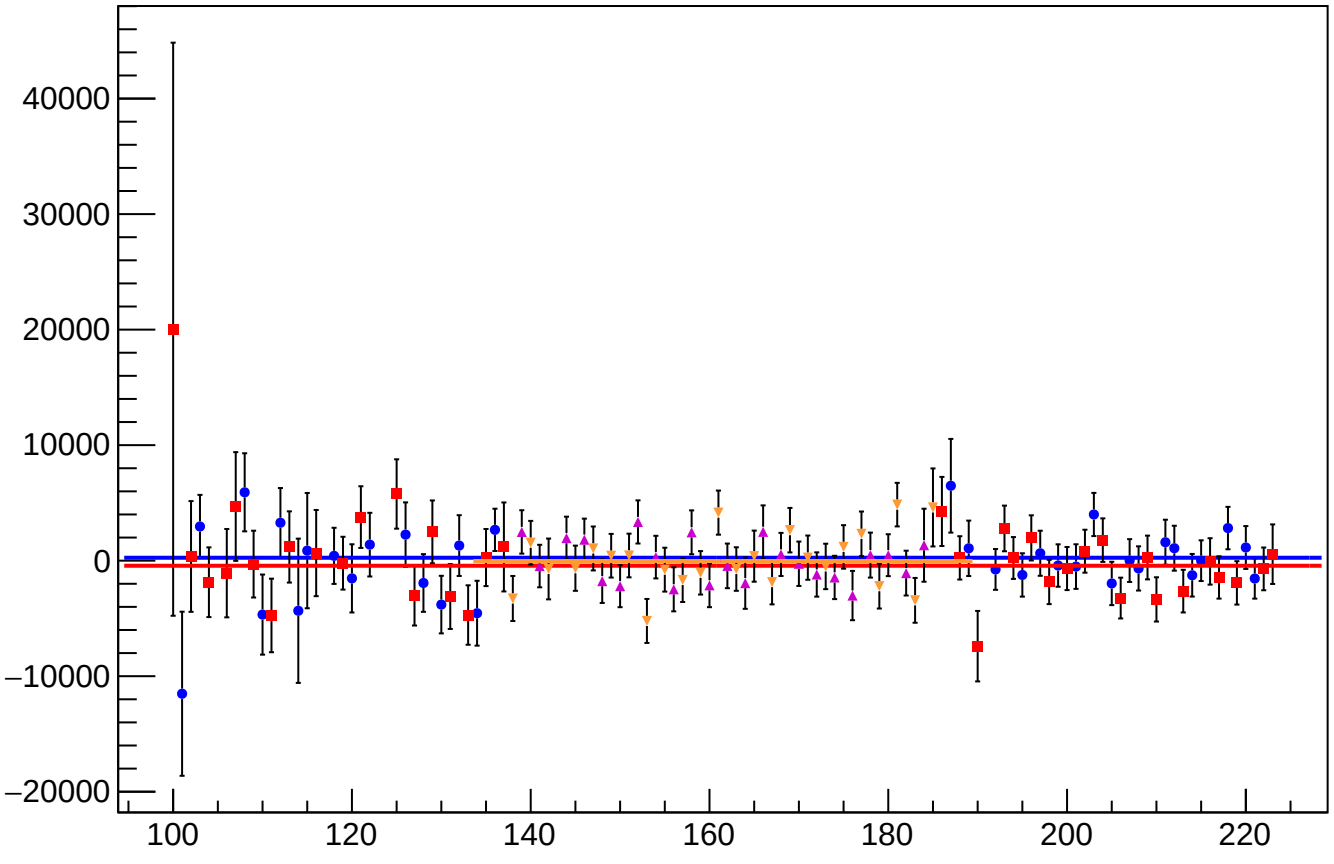
Right Out: 364.810+/-0.070 χ^2/NDF: 15696480.9/36

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 395.133+/-0.055 χ^2/NDF: 27106557.6/57

All: 401.535+/-0.040 χ^2/NDF: 54389066.8/11

- sign 408.271+/-0.057 χ^2/NDF: 27254908.3/59



Right In: 253.469+/-383.474 χ^2/NDF: 33.5/33

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -439.341+/-383.711 χ^2/NDF: 39.2/36

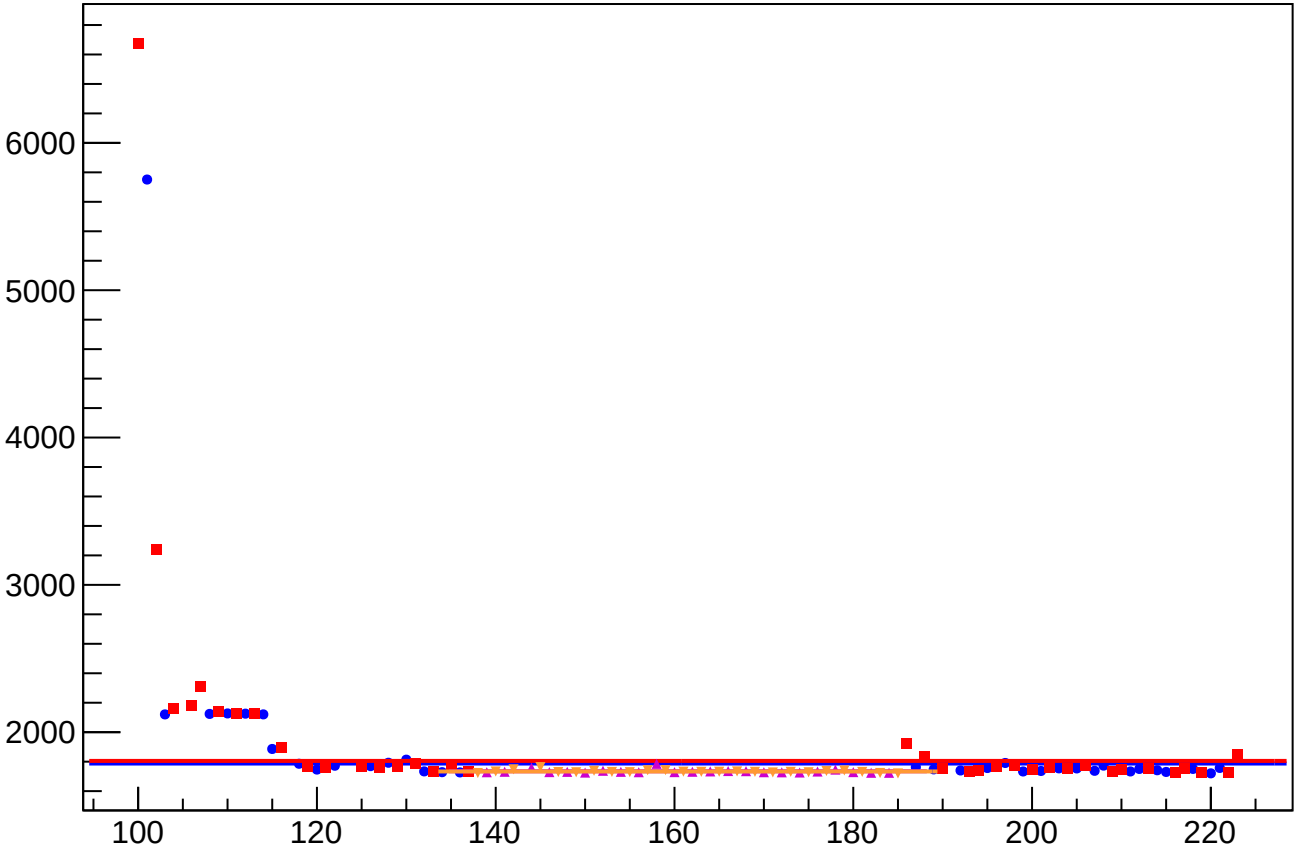
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 118.818+/-277.580 χ^2/NDF: 69.2/57

All: -65.752+/-196.625 χ^2/NDF: 129.6/117

- sign -251.633+/-278.564 χ^2/NDF: 59.6/59

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1787.326+/-0.271 χ^2/NDF: 746144.9/33

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

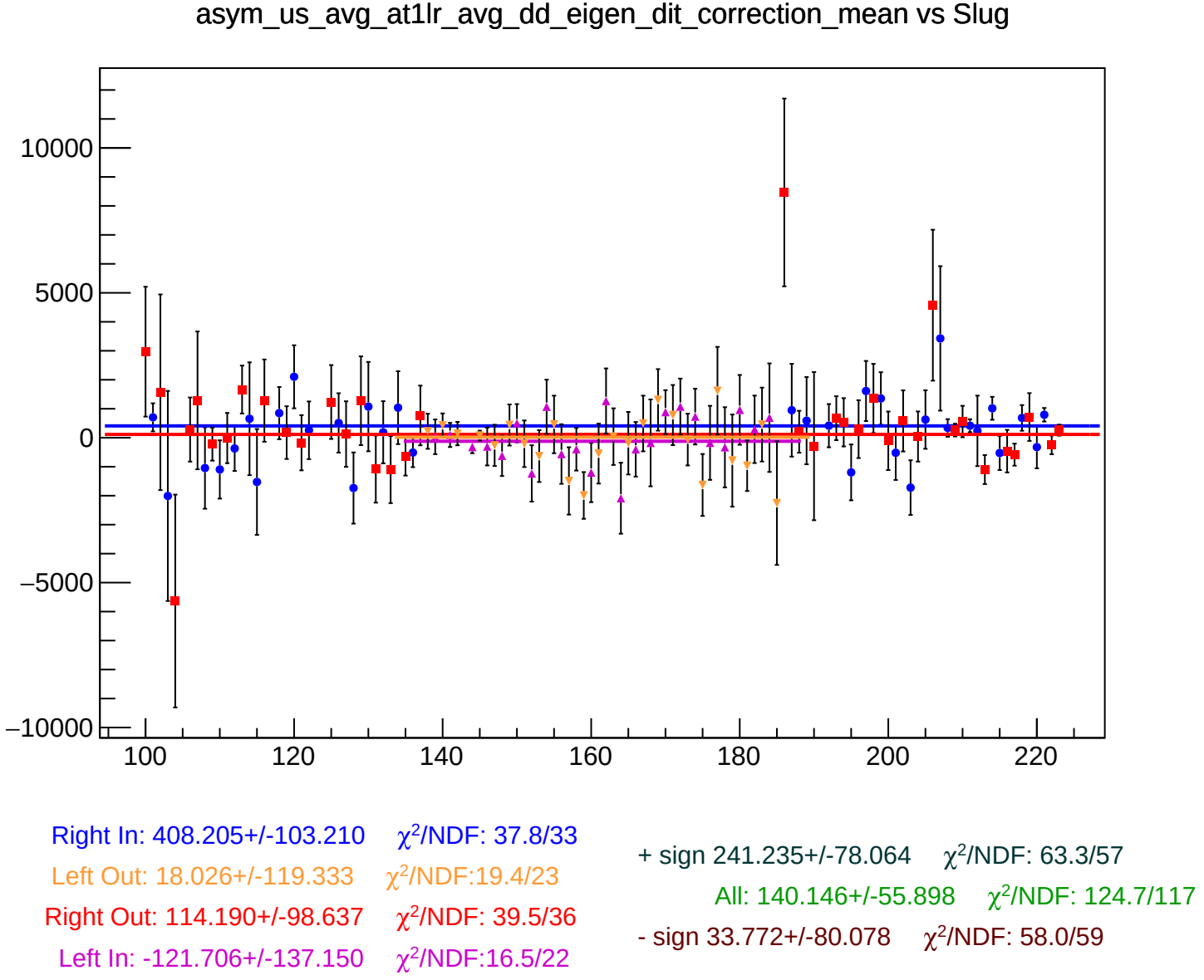
Right Out: 1805.086+/-0.271 χ^2/NDF: 435956.6/36

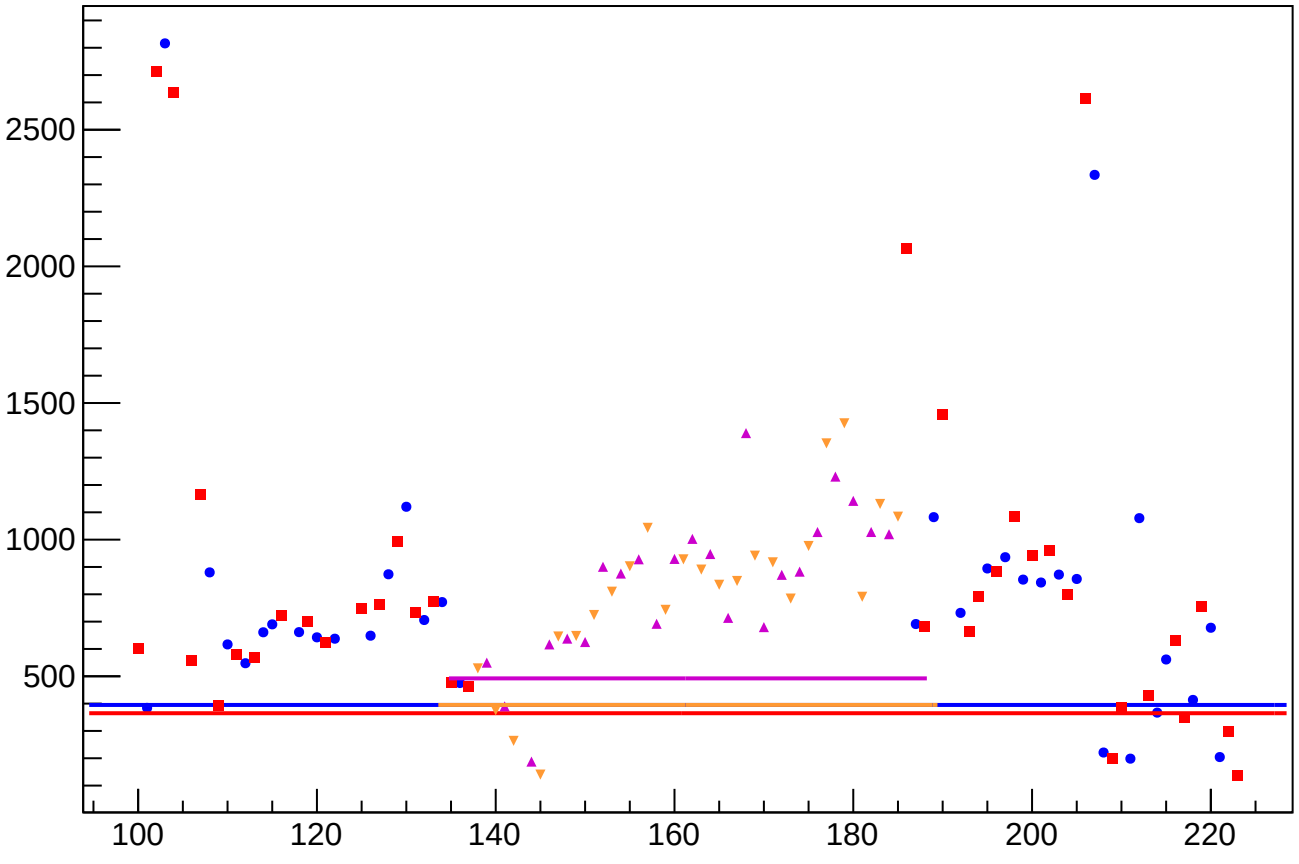
Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1761.693+/-0.196 χ^2/NDF: 765819.1/57

All: 1766.752+/-0.139 χ^2/NDF: 1237014.3/11

- sign 1771.848+/-0.197 χ^2/NDF: 469861.6/59


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 408.205+/-103.210 χ²/NDF: 37.8/33
Left Out: 18.026+/-119.333 χ²/NDF:19.4/23
Right Out: 114.190+/-98.637 χ²/NDF: 39.5/36
Left In: -121.706+/-137.150 χ²/NDF:16.5/22
+ sign 241.235+/-78.064 χ²/NDF: 63.3/57
All: 140.146+/-55.898 χ²/NDF: 124.7/117
- sign 33.772+/-80.078 χ²/NDF: 58.0/59



Right In: 395.093+/-0.073 χ^2/NDF: 12772071.3/33

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 364.810+/-0.070 χ^2/NDF: 15696408.6/36

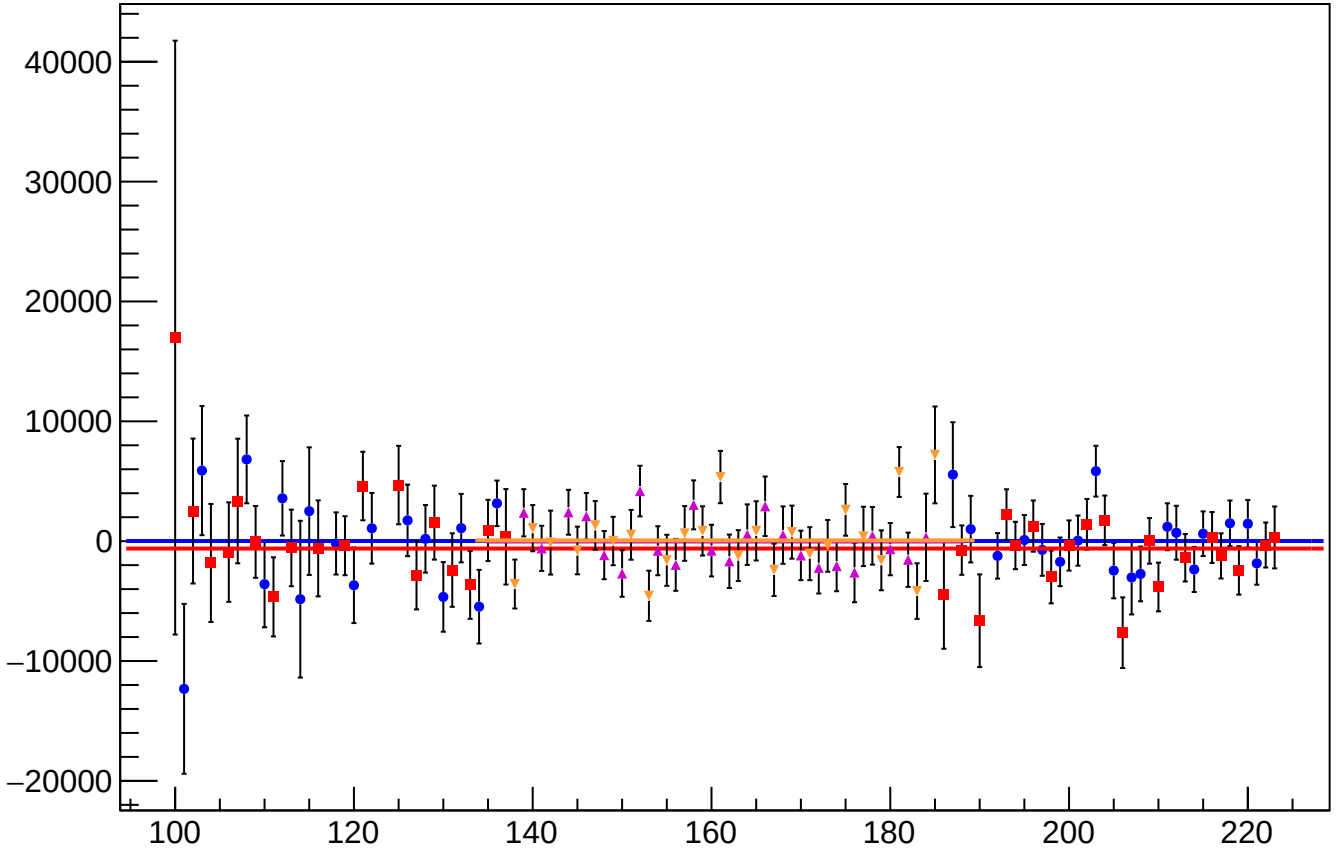
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 395.134+/-0.055 χ^2/NDF: 27106536.6/57

All: 401.535+/-0.040 χ^2/NDF: 54389010.8/11

- sign 408.271+/-0.057 χ^2/NDF: 27254875.7/59

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 12.151+/-424.419 χ^2/NDF: 39.8/33

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -615.183+/-422.612 χ^2/NDF: 30.7/36

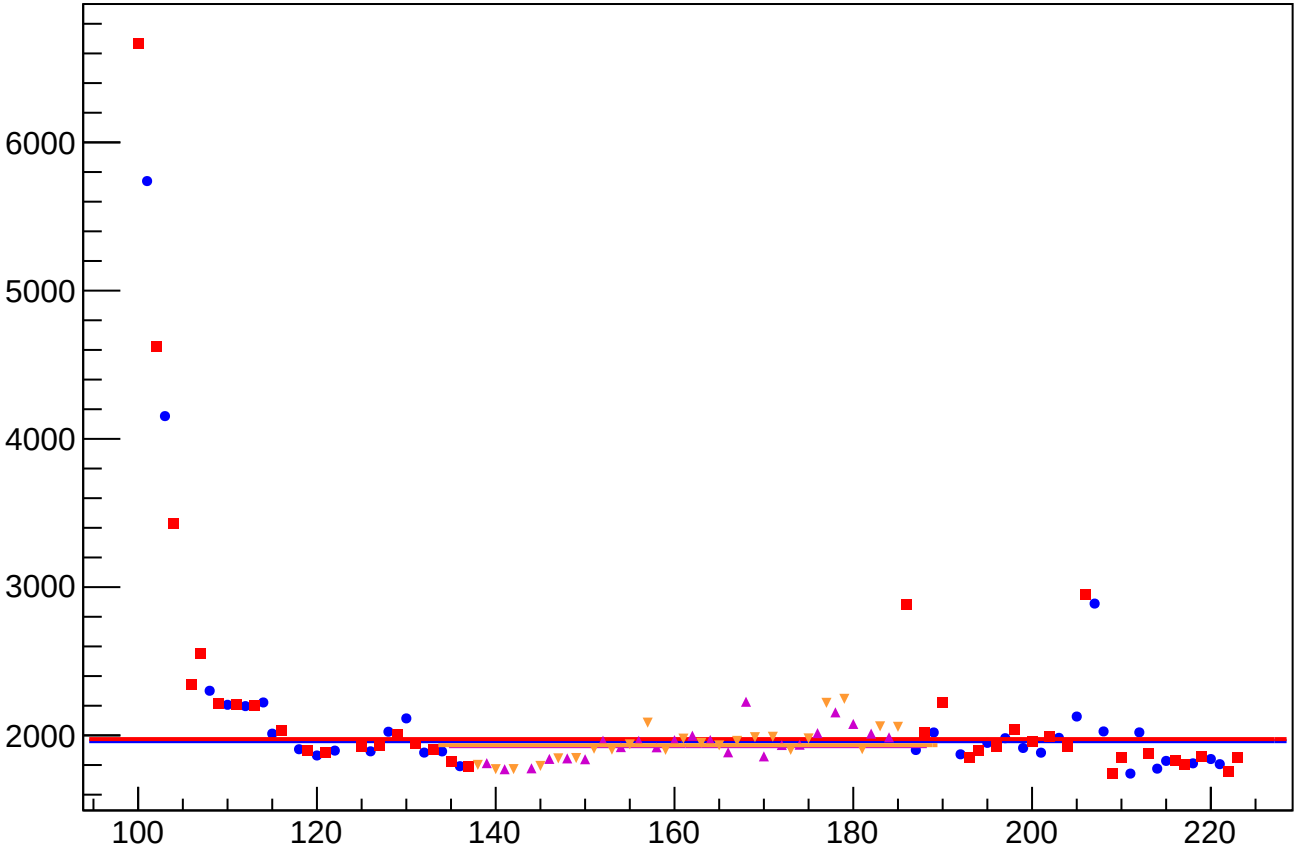
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 37.828+/-308.676 χ^2/NDF: 73.4/57

All: -150.995+/-218.134 χ^2/NDF: 125.7/117

- sign -339.358+/-308.301 χ^2/NDF: 51.6/59

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1960.805+/-0.300 χ^2/NDF: 1264544.7/33

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

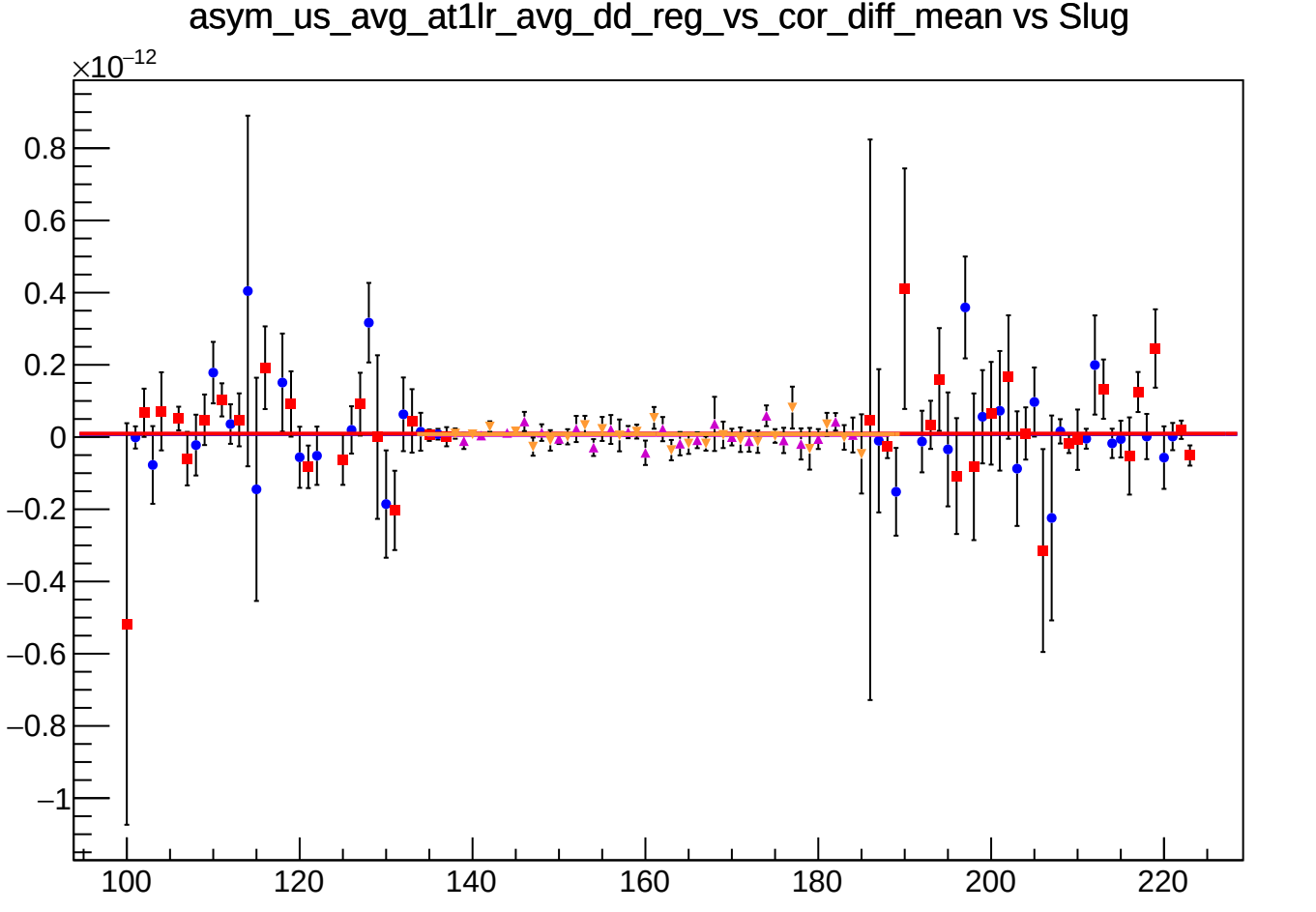
Right Out: 1974.987+/-0.299 χ^2/NDF: 1153650.2/36

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1948.086+/-0.218 χ^2/NDF: 1396889.3/57

All: 1950.344+/-0.154 χ^2/NDF: 2679189.6/11

- sign 1952.597+/-0.218 χ^2/NDF: 1282086.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

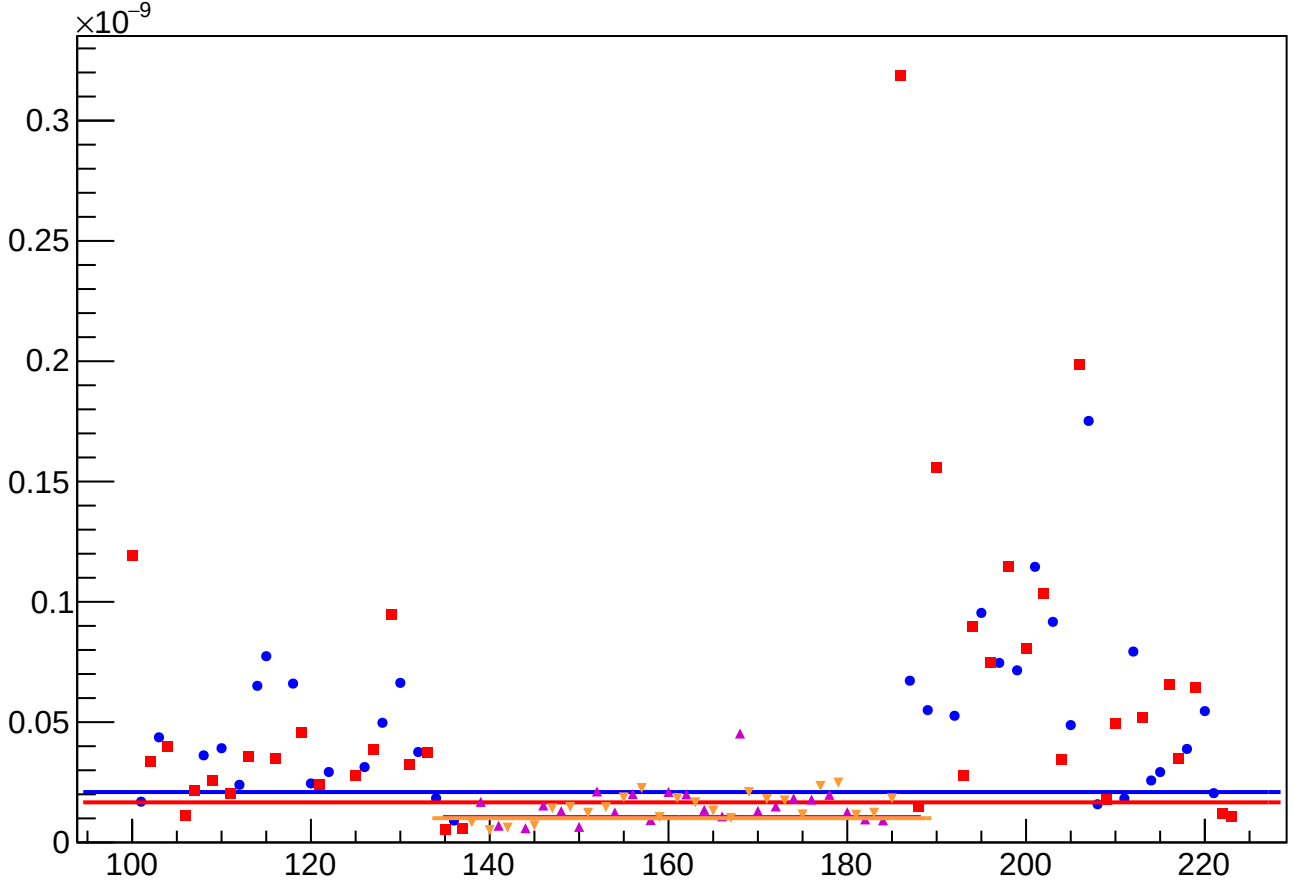
Right Out: 0.000+/-0.000 χ^2/NDF: 45.7/36

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/57

All: 0.000+/-0.000 χ^2/NDF: 111.6/117

- sign 0.000+/-0.000 χ^2/NDF: 62.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 6669206.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

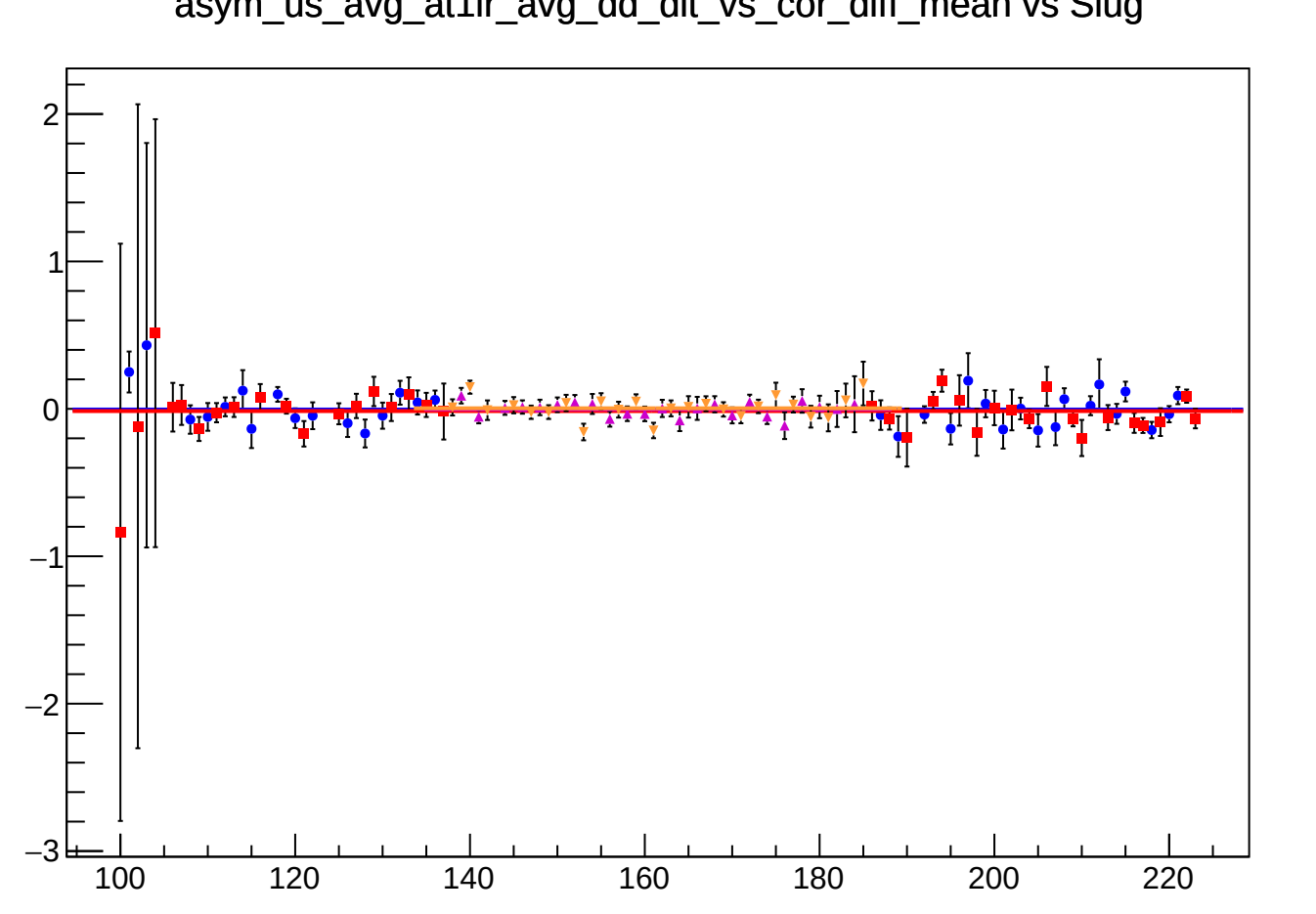
Right Out: 0.000+/-0.000 χ^2/NDF: 8457782.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11303589.3/57

All: 0.000+/-0.000 χ^2/NDF: 23207497.5/117

- sign 0.000+/-0.000 χ^2/NDF: 11903042.6/59



Right In: -0.005+/-0.014 χ^2/NDF: 42.4/33

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

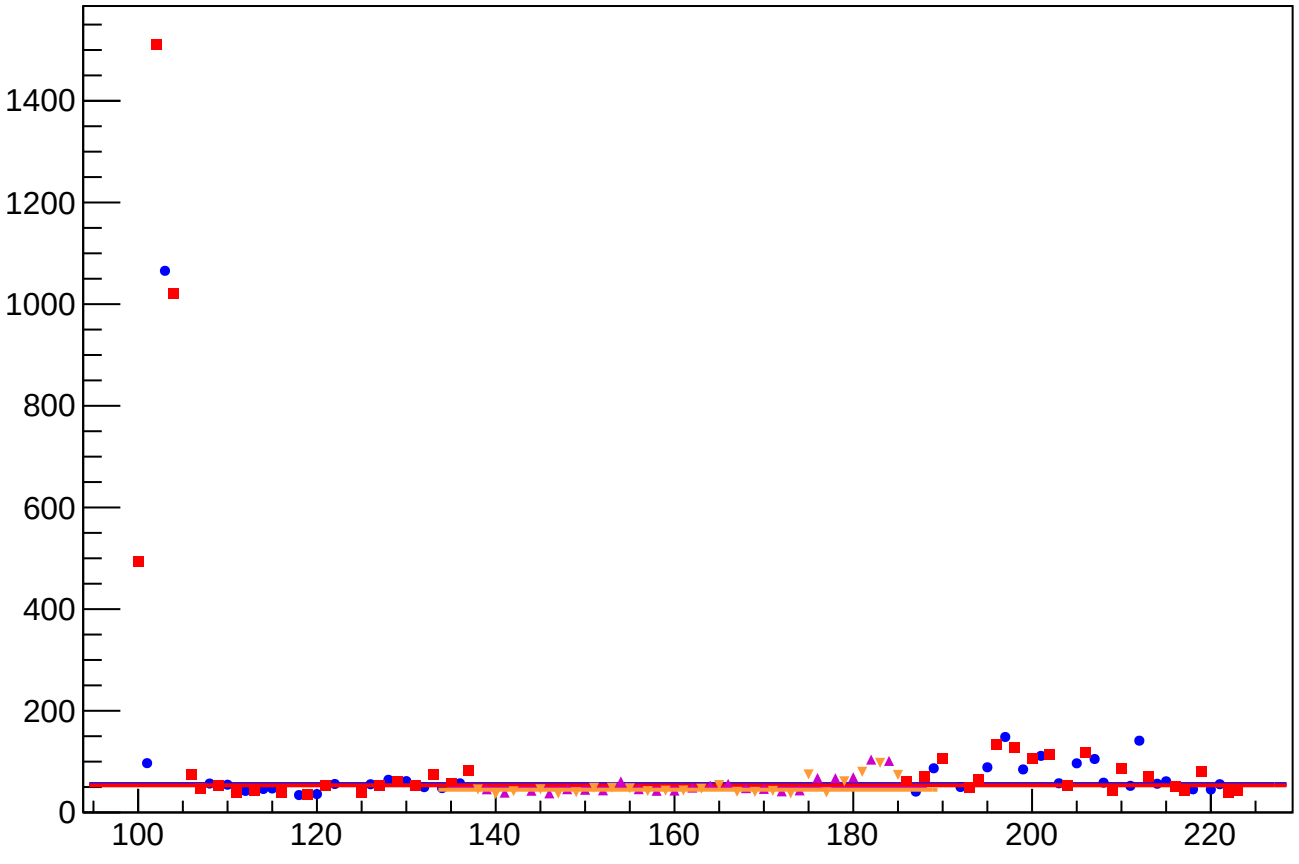
Right Out: -0.015+/-0.014 χ^2/NDF: 39.5/36

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.009 χ^2/NDF: 77.7/57

All: -0.004+/-0.006 χ^2/NDF: 132.5/117

- sign -0.008+/-0.009 χ^2/NDF: 54.4/59



Right In: 55.768+/-0.010 χ^2/NDF: 4644257.6/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 53.402+/-0.010 χ^2/NDF: 5817851.4/36

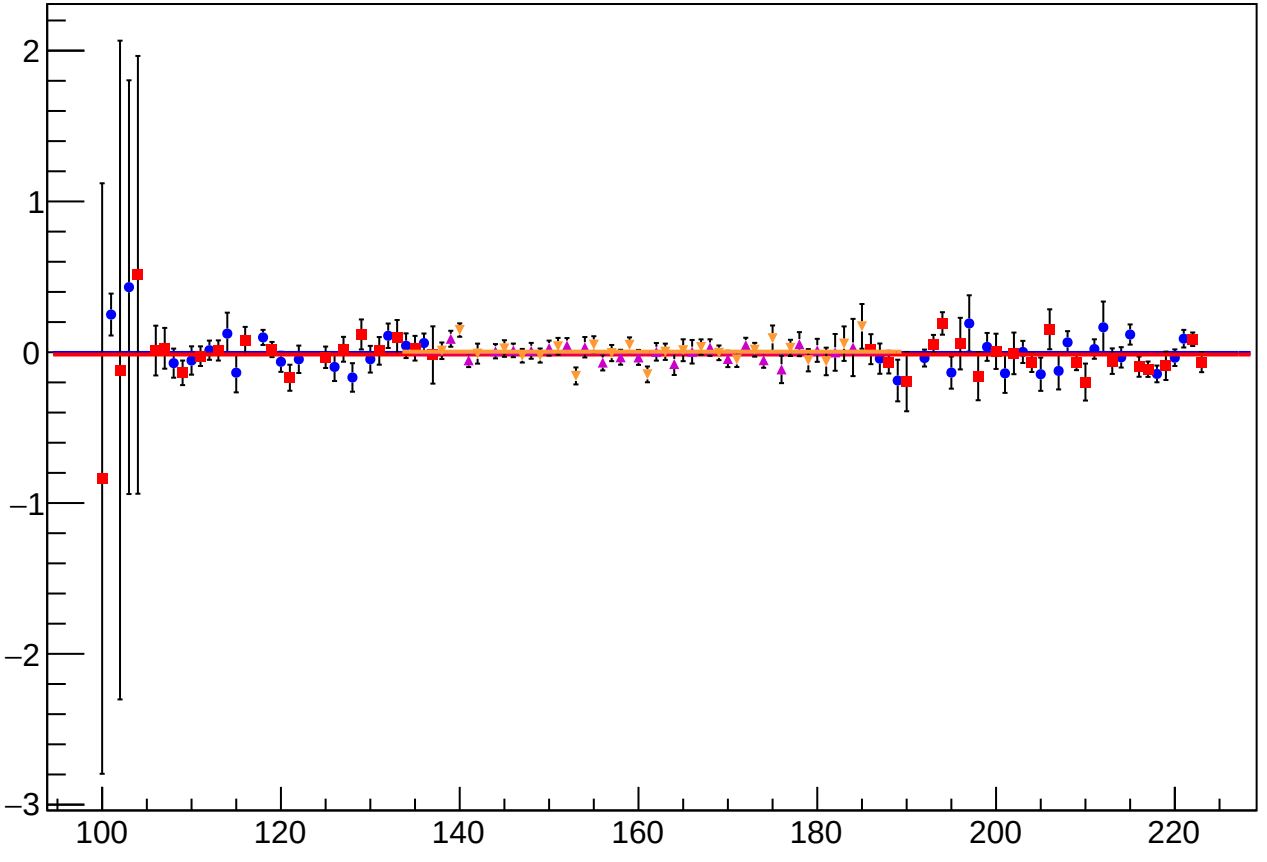
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.241+/-0.006 χ^2/NDF: 6877179.0/57

All: 49.530+/-0.004 χ^2/NDF: 14331891.9/11

- sign 49.825+/-0.006 χ^2/NDF: 7450403.2/59

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.014 χ^2/NDF: 42.4/33

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

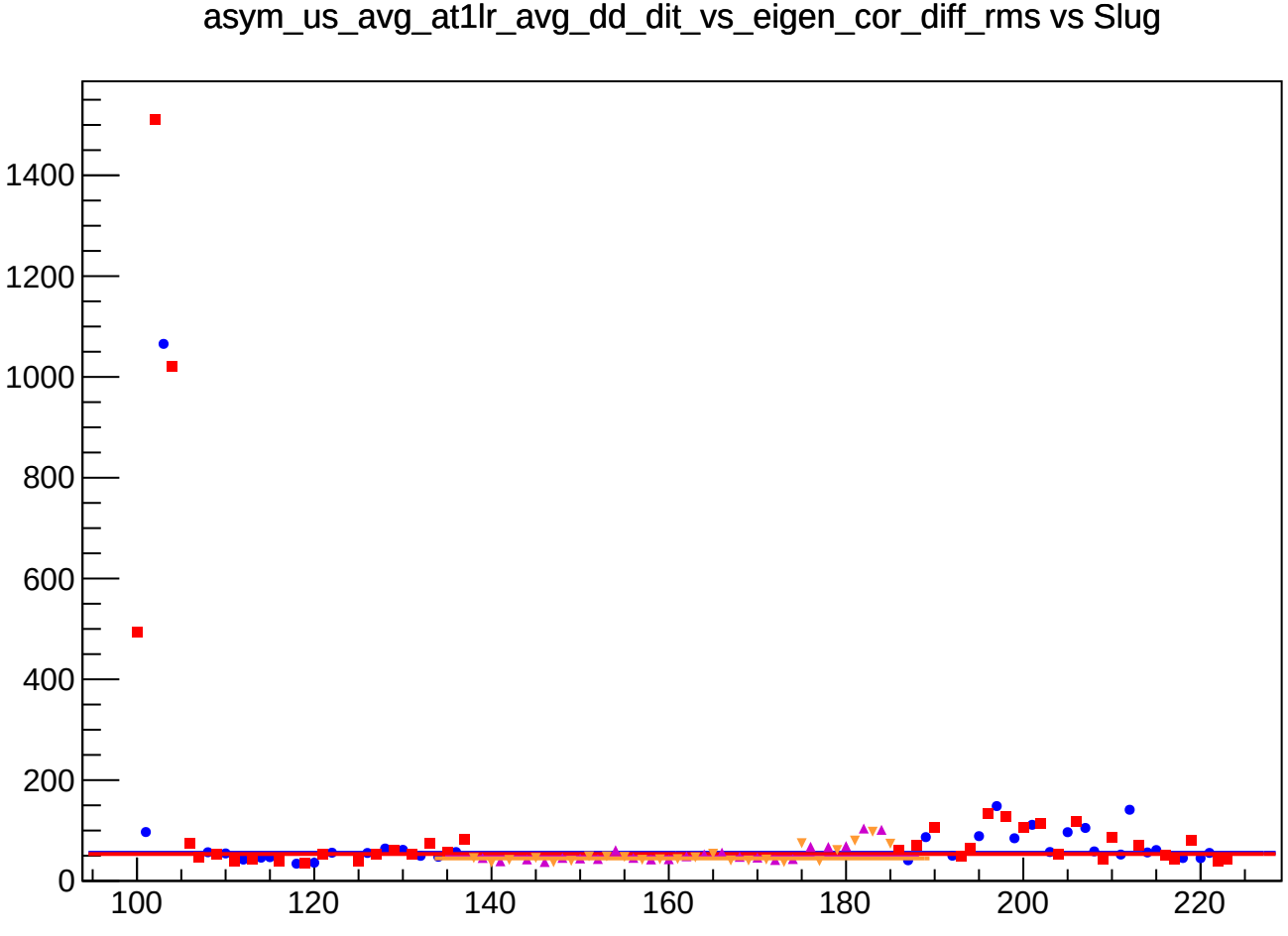
Right Out: -0.015+/-0.014 χ^2/NDF: 39.5/36

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.009 χ^2/NDF: 77.7/57

All: -0.004+/-0.006 χ^2/NDF: 132.5/117

- sign -0.008+/-0.009 χ^2/NDF: 54.4/59



Right In: 55.768+/-0.010 χ^2/NDF: 4644257.6/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

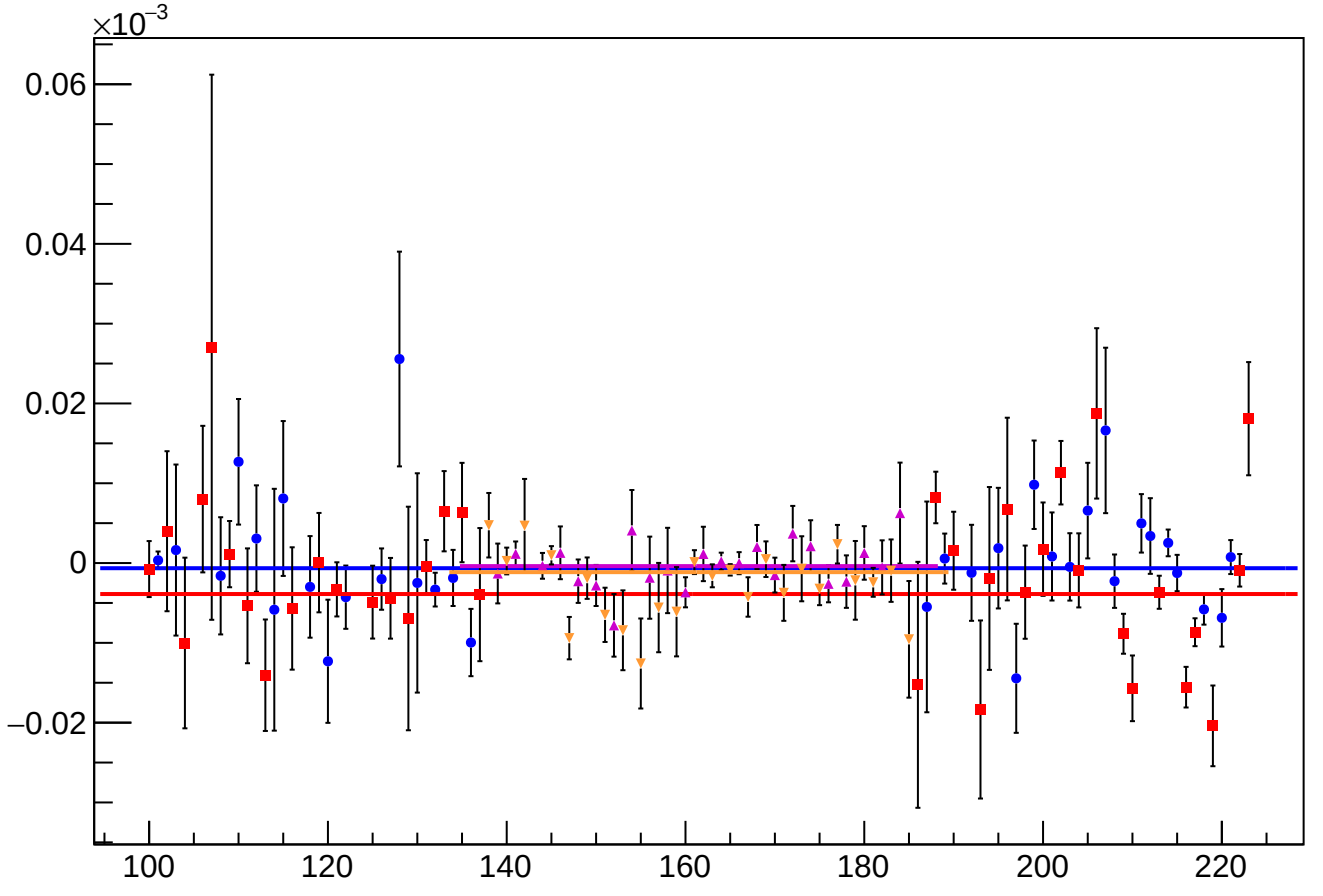
Right Out: 53.402+/-0.010 χ^2/NDF: 5817851.4/36

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.241+/-0.006 χ^2/NDF: 6877179.0/57

All: 49.530+/-0.004 χ^2/NDF: 14331891.9/117

- sign 49.825+/-0.006 χ^2/NDF: 7450403.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 48.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 118.4/36

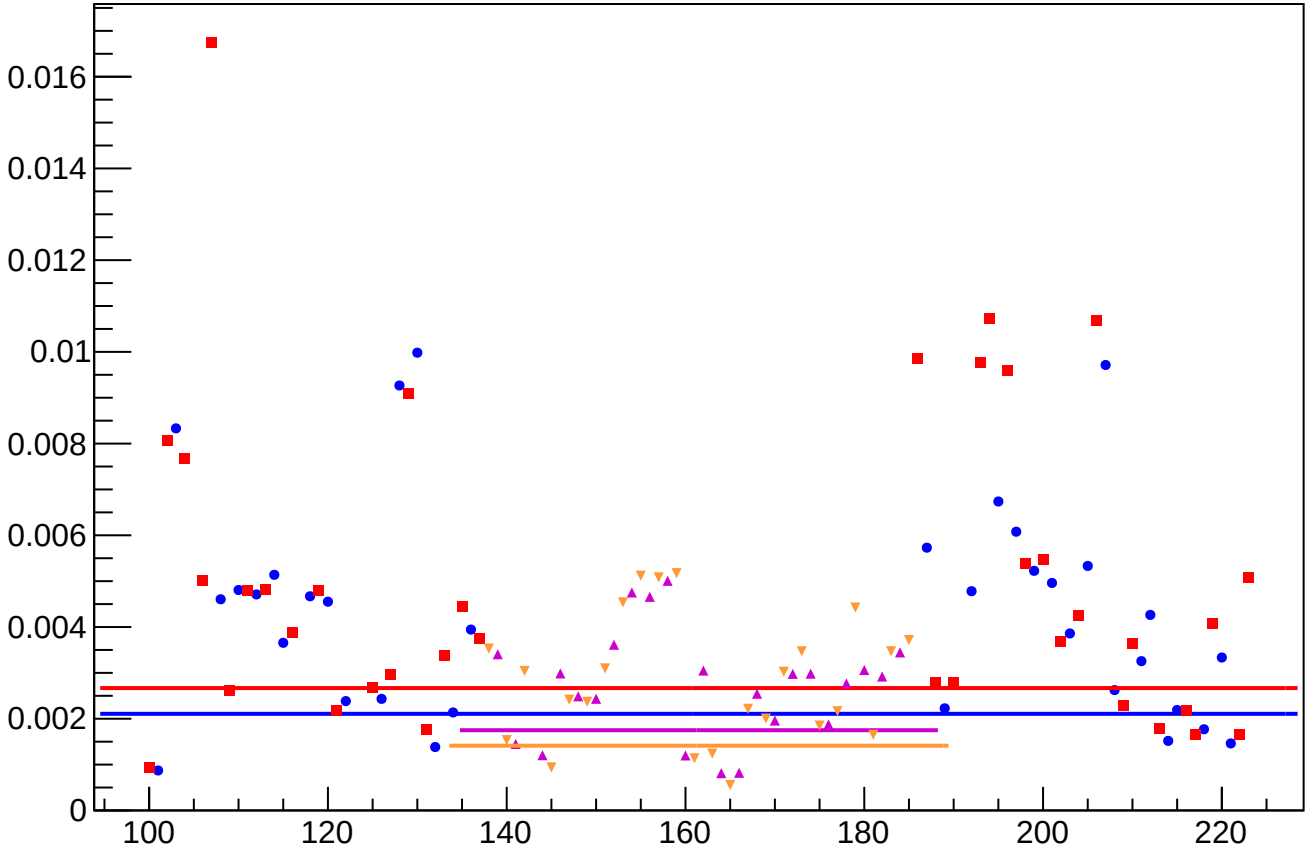
Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.0/57

All: -0.000+/-0.000 χ^2/NDF: 238.7/117

- sign -0.000+/-0.000 χ^2/NDF: 152.2/59

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 13023341.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10948031.0/36

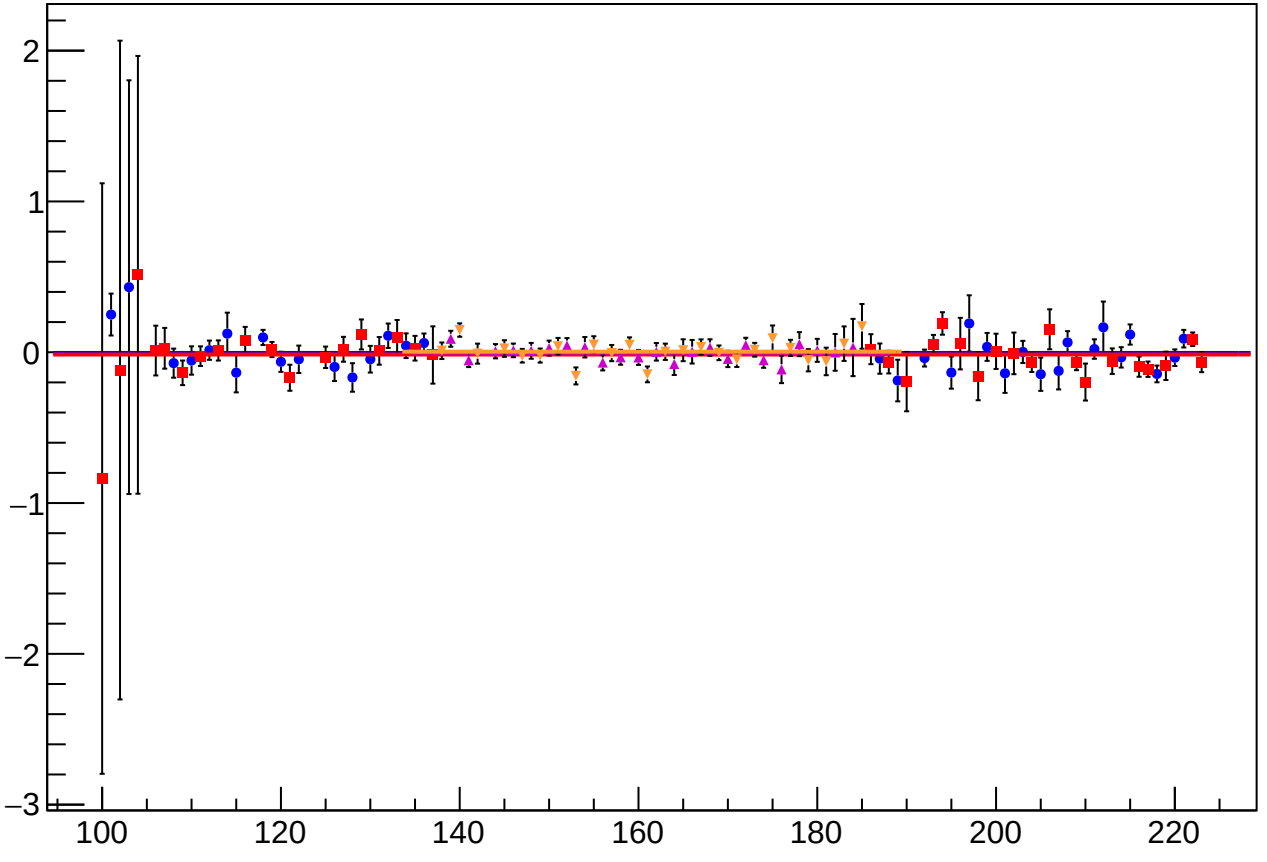
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 26583075.0/57

All: 0.002+/-0.000 χ^2/NDF: 49461780.8/117

- sign 0.002+/-0.000 χ^2/NDF: 21599132.2/59

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.014 χ^2/NDF: 42.4/33

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

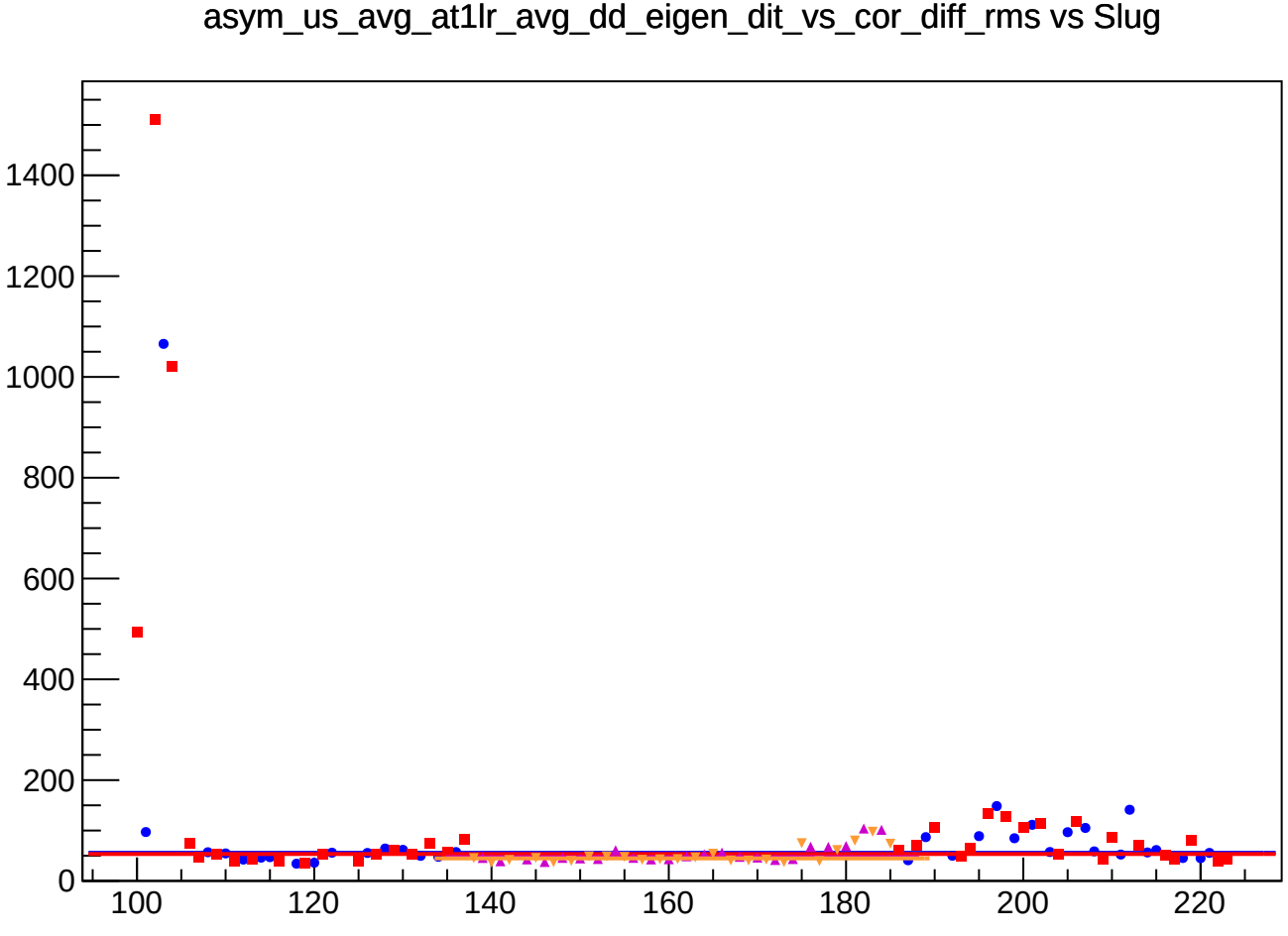
Right Out: -0.015+/-0.014 χ^2/NDF: 39.5/36

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.009 χ^2/NDF: 77.7/57

All: -0.004+/-0.006 χ^2/NDF: 132.5/117

- sign -0.008+/-0.009 χ^2/NDF: 54.4/59



Right In: 55.767+/-0.010 χ^2/NDF: 4644375.9/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.402+/-0.010 χ^2/NDF: 5817963.8/36

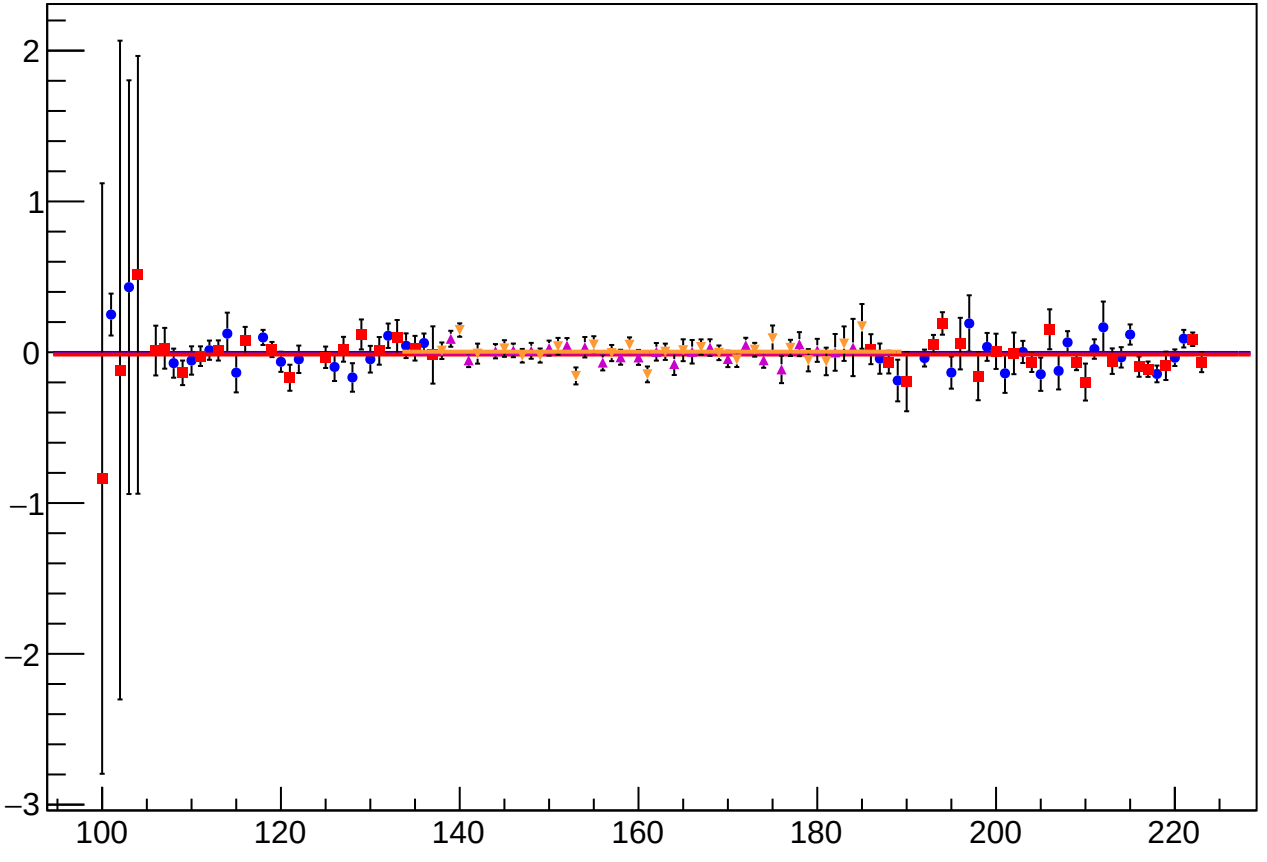
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.241+/-0.006 χ^2/NDF: 6877194.0/57

All: 49.530+/-0.004 χ^2/NDF: 14332051.8/117

- sign 49.825+/-0.006 χ^2/NDF: 7450552.7/59

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.014 χ^2/NDF: 42.4/33

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

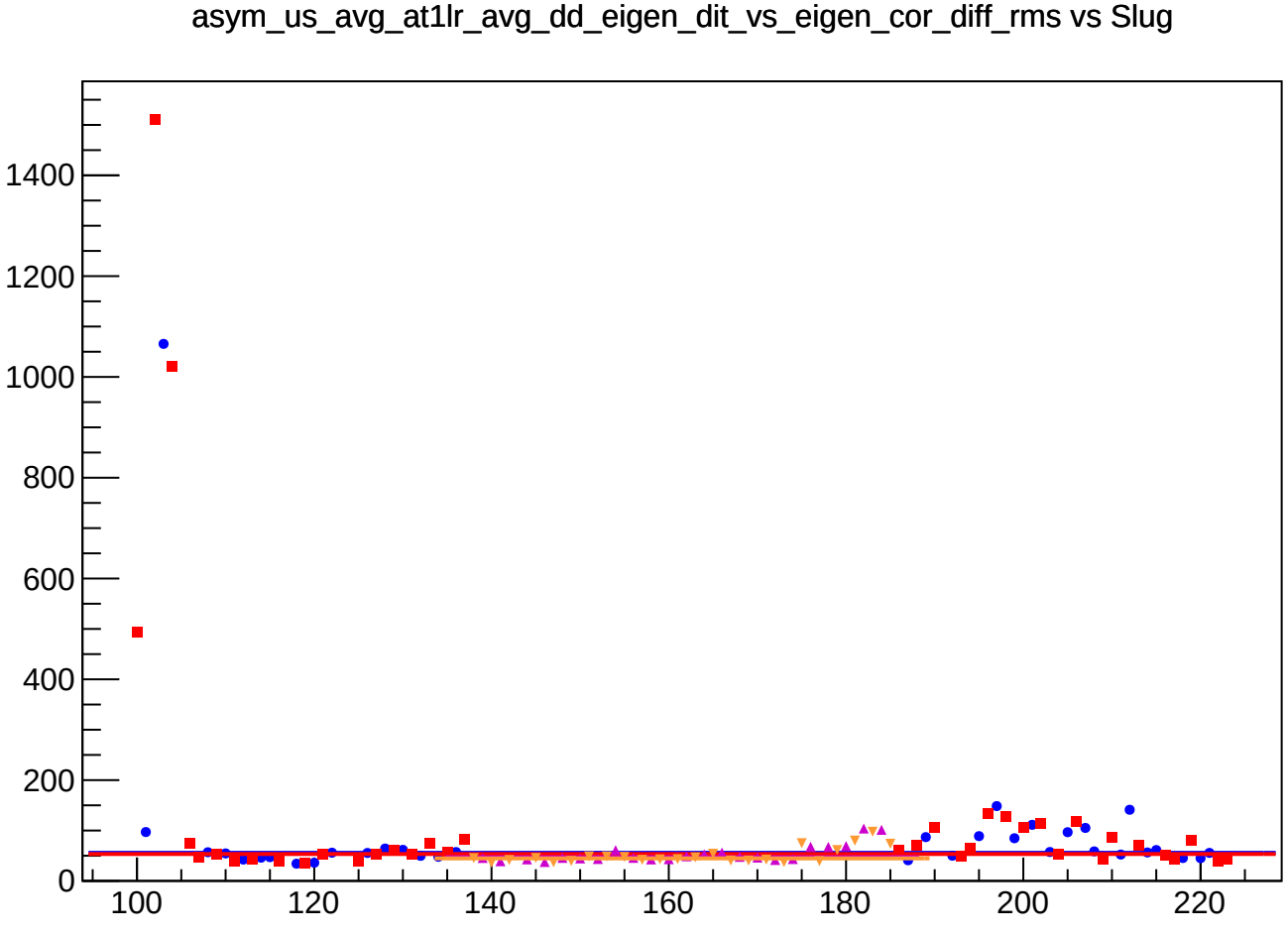
Right Out: -0.015+/-0.014 χ^2/NDF: 39.5/36

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.009 χ^2/NDF: 77.7/57

All: -0.004+/-0.006 χ^2/NDF: 132.5/117

- sign -0.008+/-0.009 χ^2/NDF: 54.4/59



Right In: 55.767+/-0.010 χ^2/NDF: 4644375.9/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

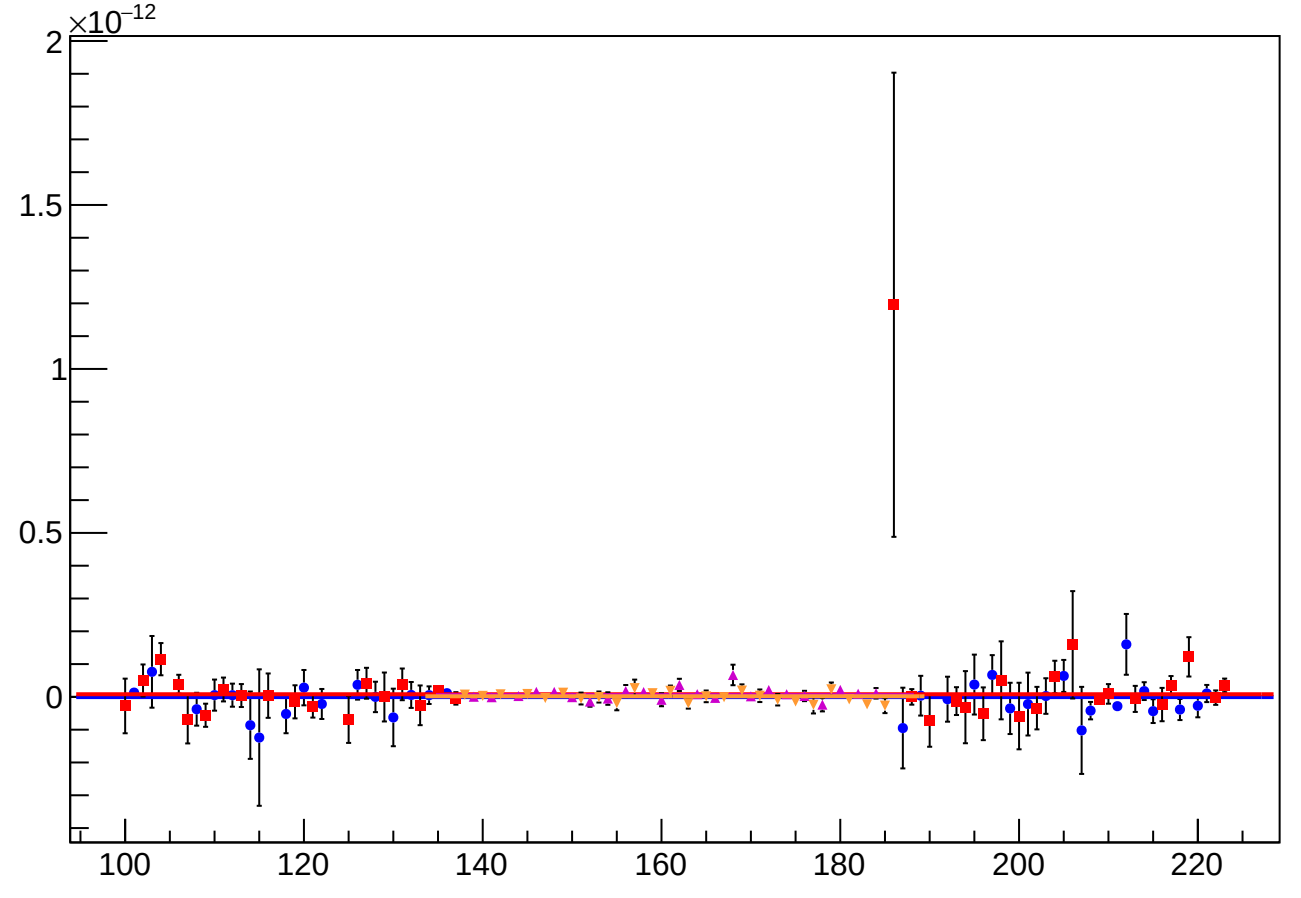
Right Out: 53.402+/-0.010 χ^2/NDF: 5817963.8/36

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.241+/-0.006 χ^2/NDF: 6877194.0/57

All: 49.530+/-0.004 χ^2/NDF: 14332051.8/117

- sign 49.825+/-0.006 χ^2/NDF: 7450552.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

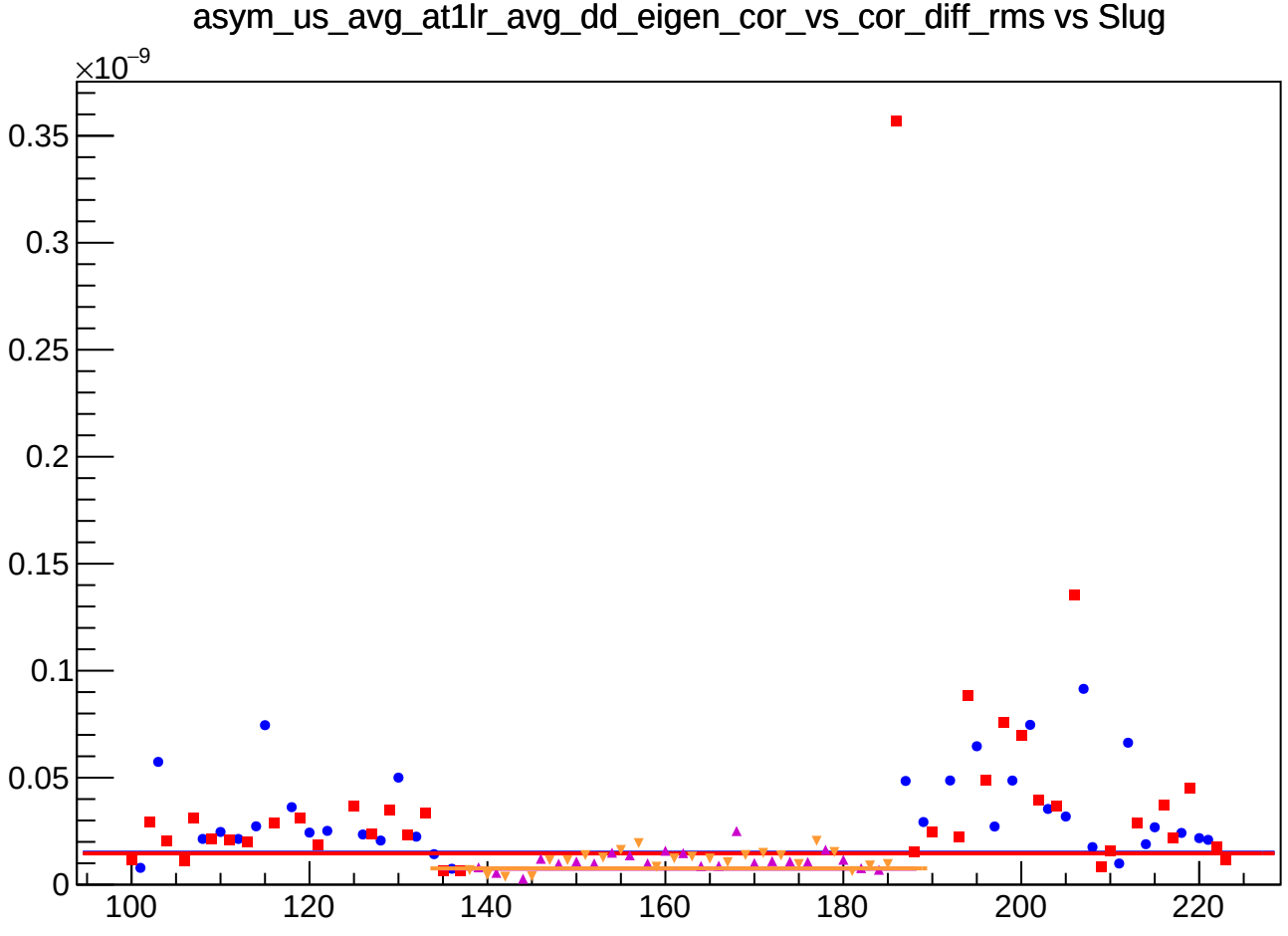
Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/36

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/57

All: 0.000+/-0.000 χ^2/NDF: 98.7/117

- sign 0.000+/-0.000 χ^2/NDF: 50.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 8645675.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9743602.0/36

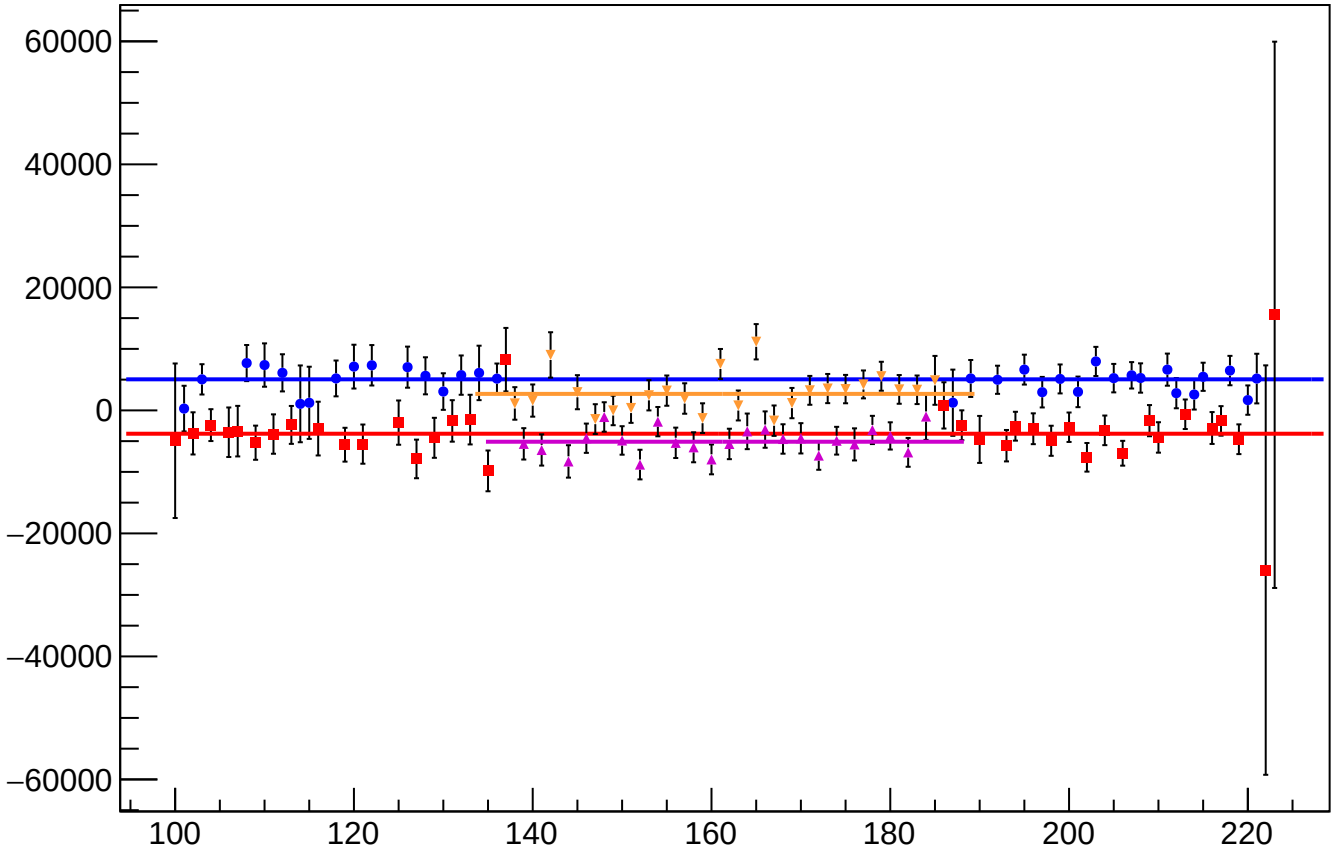
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17469823.4/57

All: 0.000+/-0.000 χ^2/NDF: 36395948.7/117

- sign 0.000+/-0.000 χ^2/NDF: 18920431.3/59

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5049.204+/-478.685 χ^2/NDF: 14.1/33

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3794.944+/-484.254 χ^2/NDF: 25.7/36

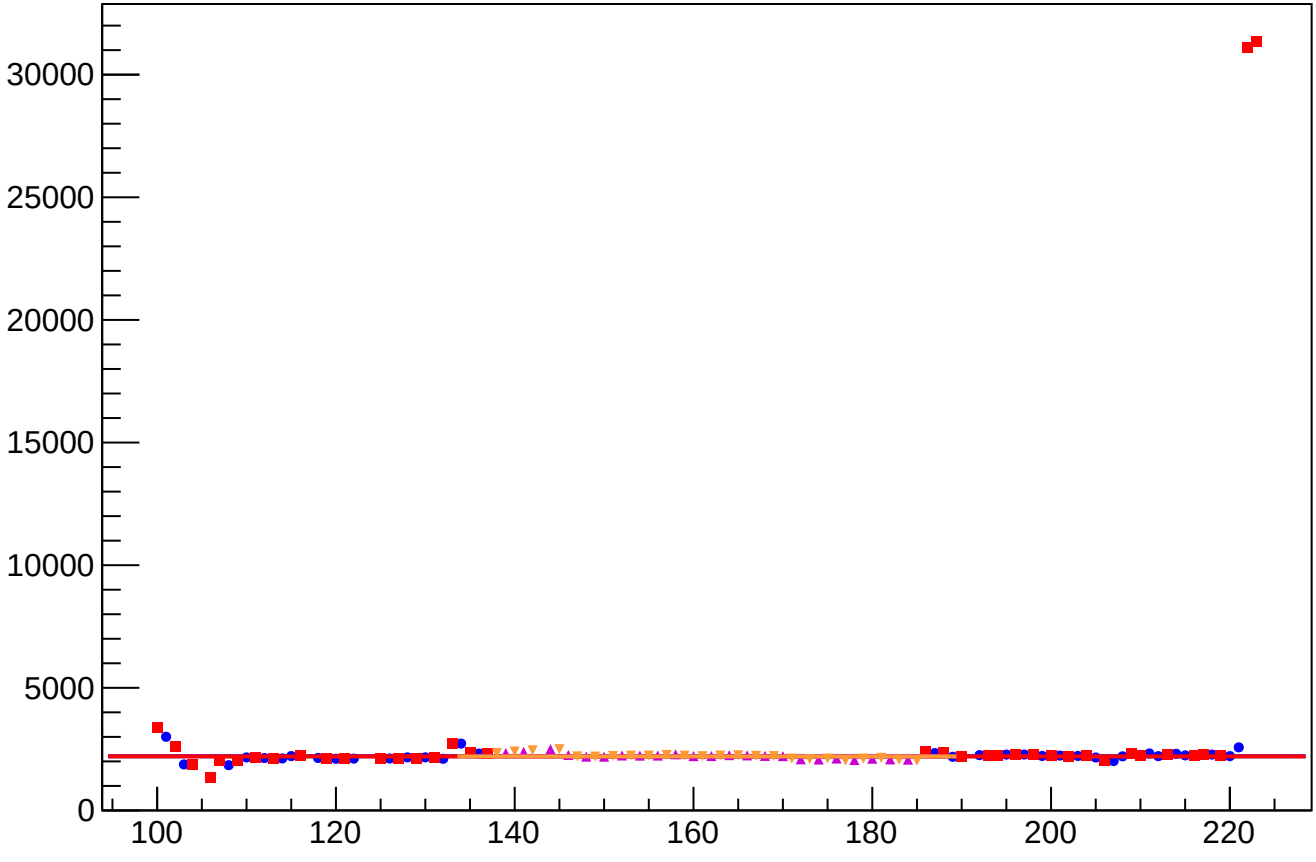
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3945.570+/-349.673 χ^2/NDF: 56.4/57

All: -187.572+/-248.488 χ^2/NDF: 382.6/117

- sign -4404.129+/-353.184 χ^2/NDF: 44.0/59

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2210.679+/-0.338 χ^2/NDF: 249137.0/33

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

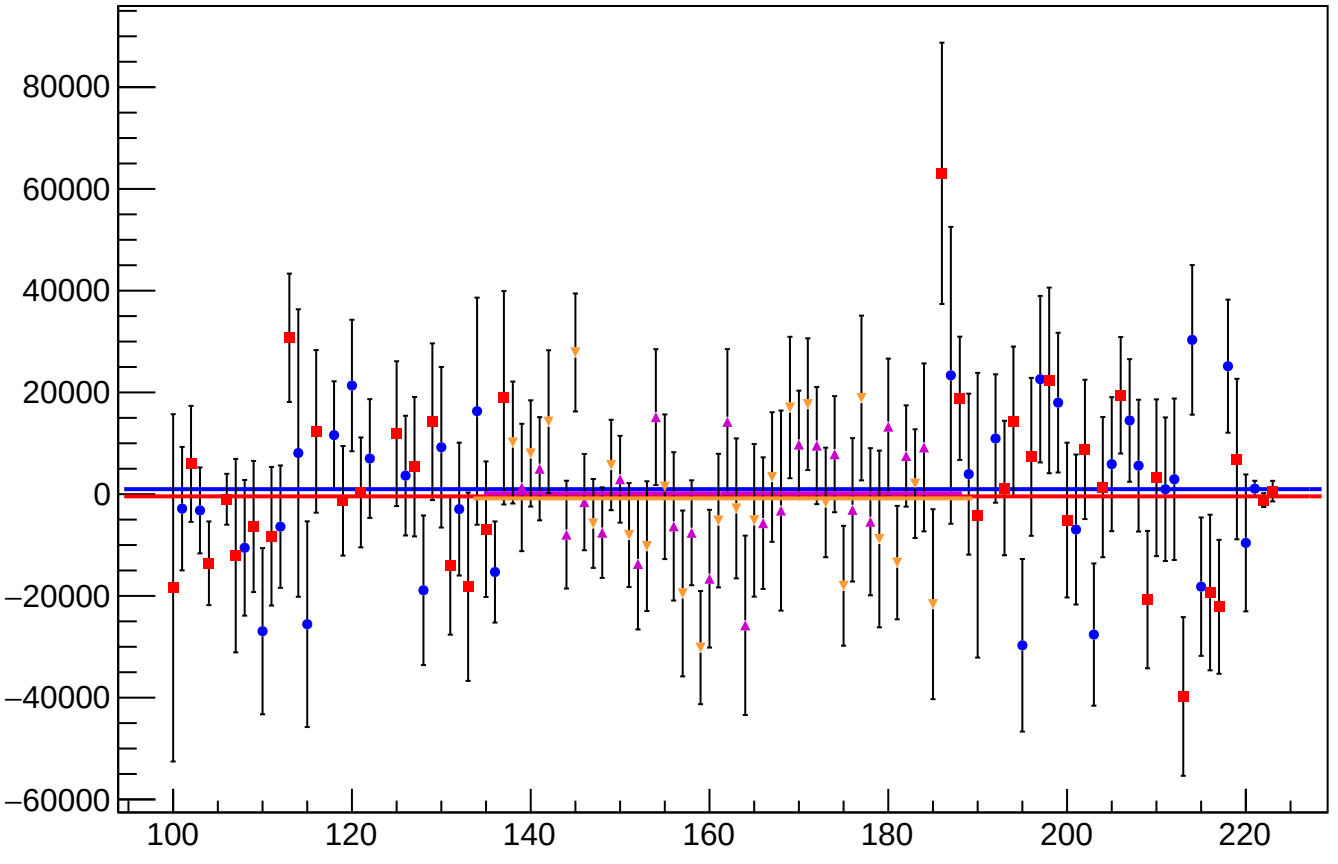
Right Out: 2204.637+/-0.340 χ^2/NDF: 2712974.1/36

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2207.236+/-0.247 χ^2/NDF: 337567.2/57

All: 2206.810+/-0.175 χ^2/NDF: 3131597.9/11

- sign 2206.378+/-0.249 χ^2/NDF: 2794024.6/59



Right In: 984.049+/-1294.443 χ^2/NDF: 39.1/33

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -430.584+/-1000.573 χ^2/NDF: 44.4/36

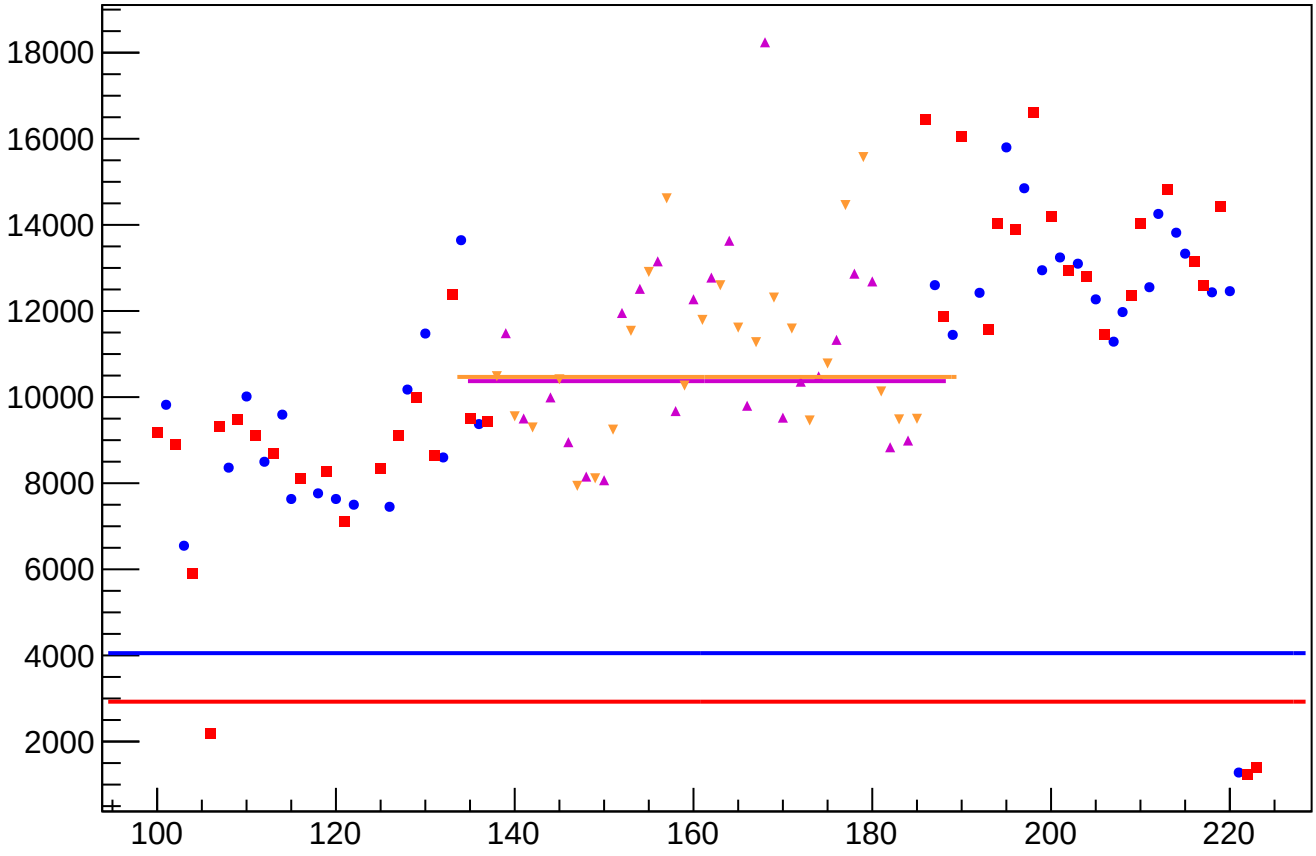
Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign 595.268+/-1147.679 χ^2/NDF: 69.0/57

All: 26.908+/-721.348 χ^2/NDF: 127.7/117

- sign -344.244+/-927.437 χ^2/NDF: 58.2/59

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 4052.846+/-0.915 χ^2/NDF: 23634767.0/33

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 2925.756+/-0.708 χ^2/NDF: 27155664.2/36

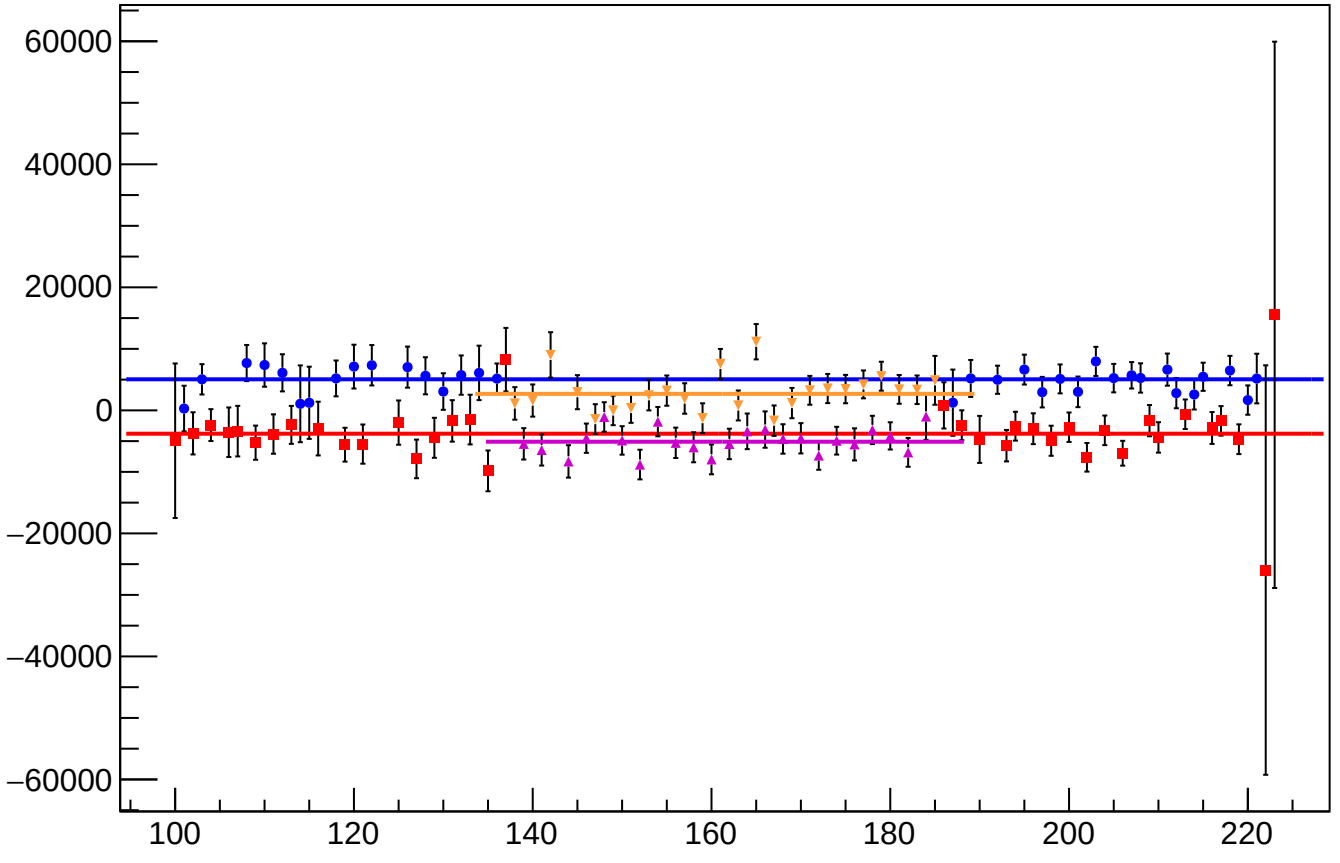
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 5425.231+/-0.812 χ^2/NDF: 35189780.7/57

All: 4547.532+/-0.510 χ^2/NDF: 81079113.3/1

- sign 3974.374+/-0.656 χ^2/NDF: 43955763.7/59

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5049.213+/-478.685 χ^2/NDF: 14.1/33

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3794.903+/-484.254 χ^2/NDF: 25.7/36

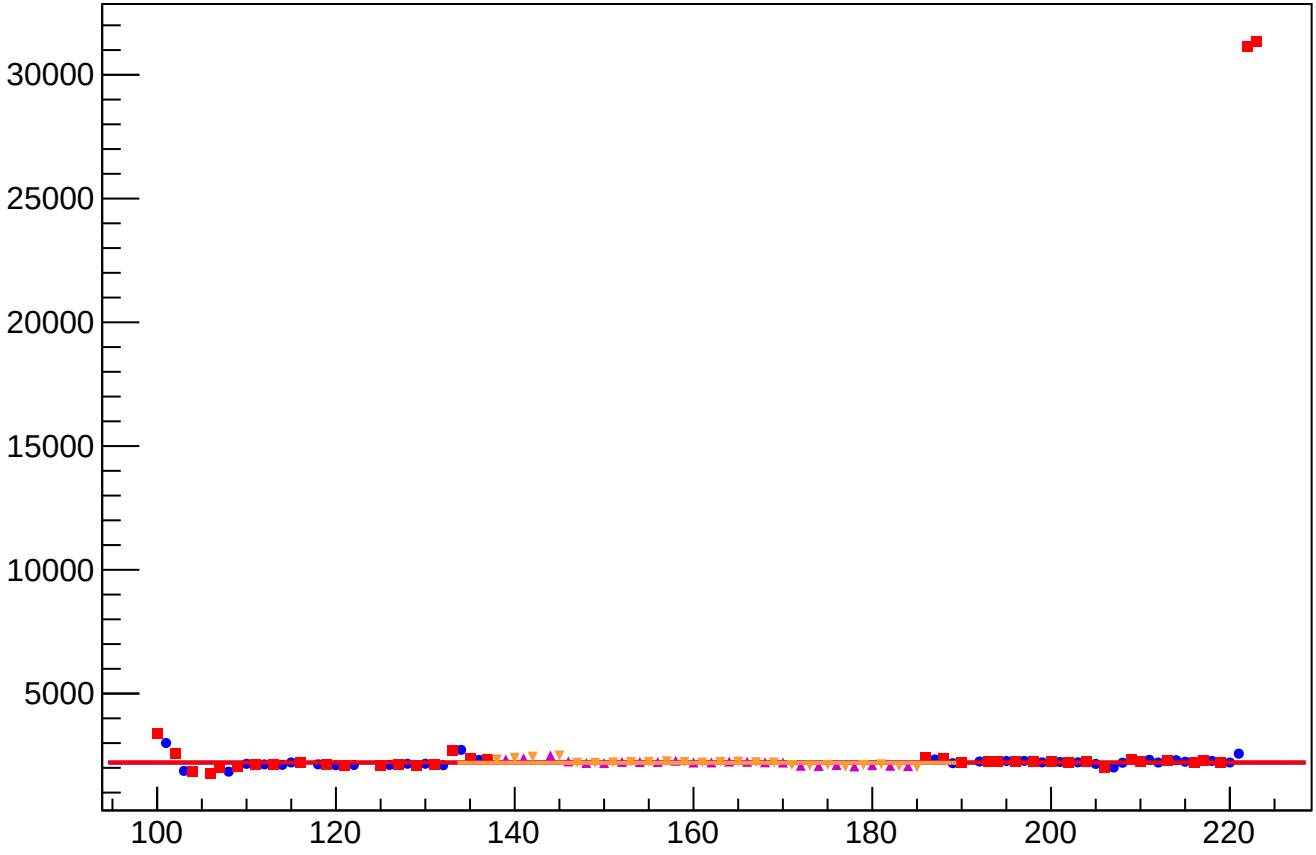
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3945.538+/-349.673 χ^2/NDF: 56.4/57

All: -187.556+/-248.488 χ^2/NDF: 382.6/117

- sign -4404.064+/-353.184 χ^2/NDF: 44.0/59

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2210.679+/-0.338 χ^2/NDF: 249137.4/33

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

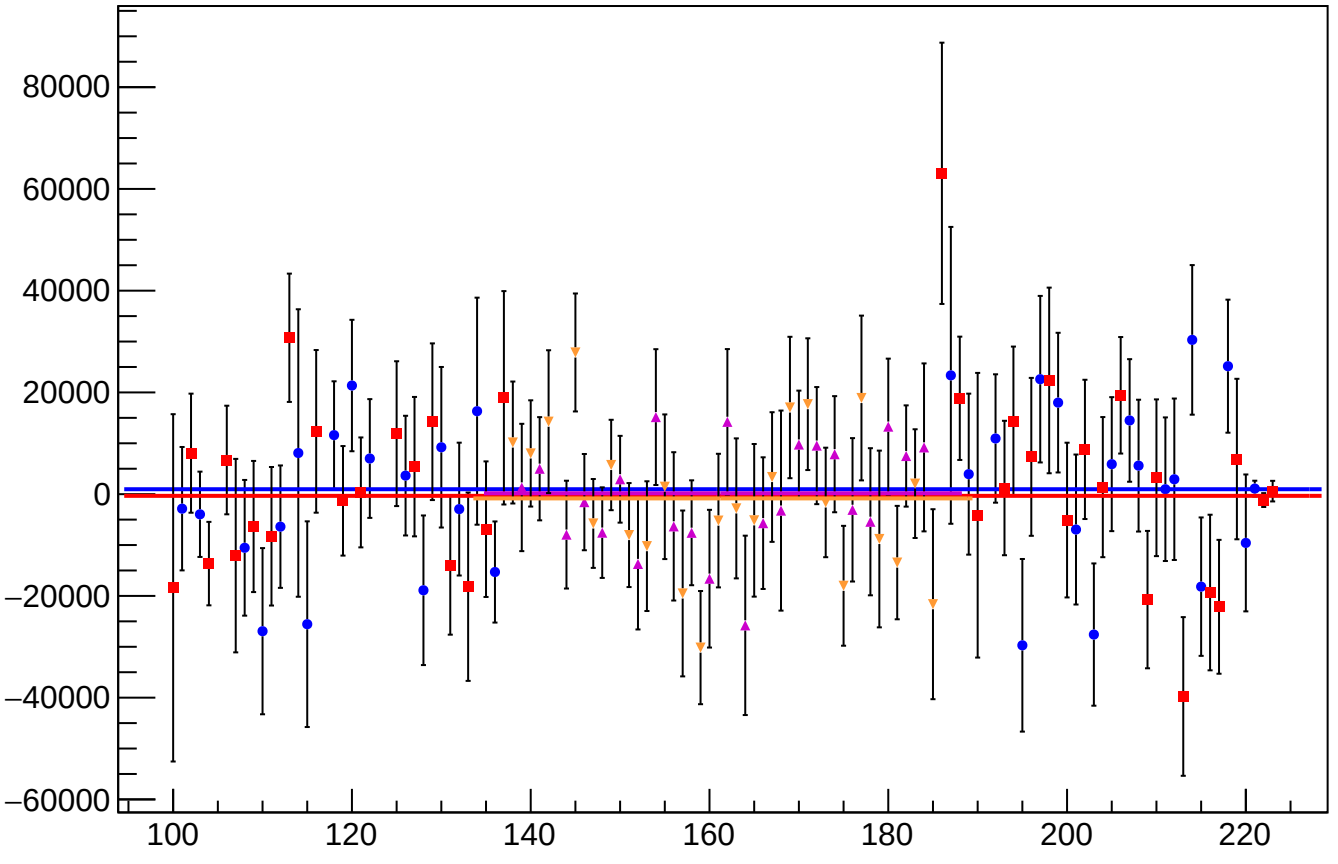
Right Out: 2218.565+/-0.342 χ^2/NDF: 2583903.4/36

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2207.236+/-0.247 χ^2/NDF: 337567.6/57

All: 2210.491+/-0.176 χ^2/NDF: 3003230.1/11

- sign 2213.806+/-0.250 χ^2/NDF: 2665312.6/59



Right In: 971.315+/-1294.870 χ^2/NDF: 39.3/33

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -329.870+/-1016.891 χ^2/NDF: 45.1/36

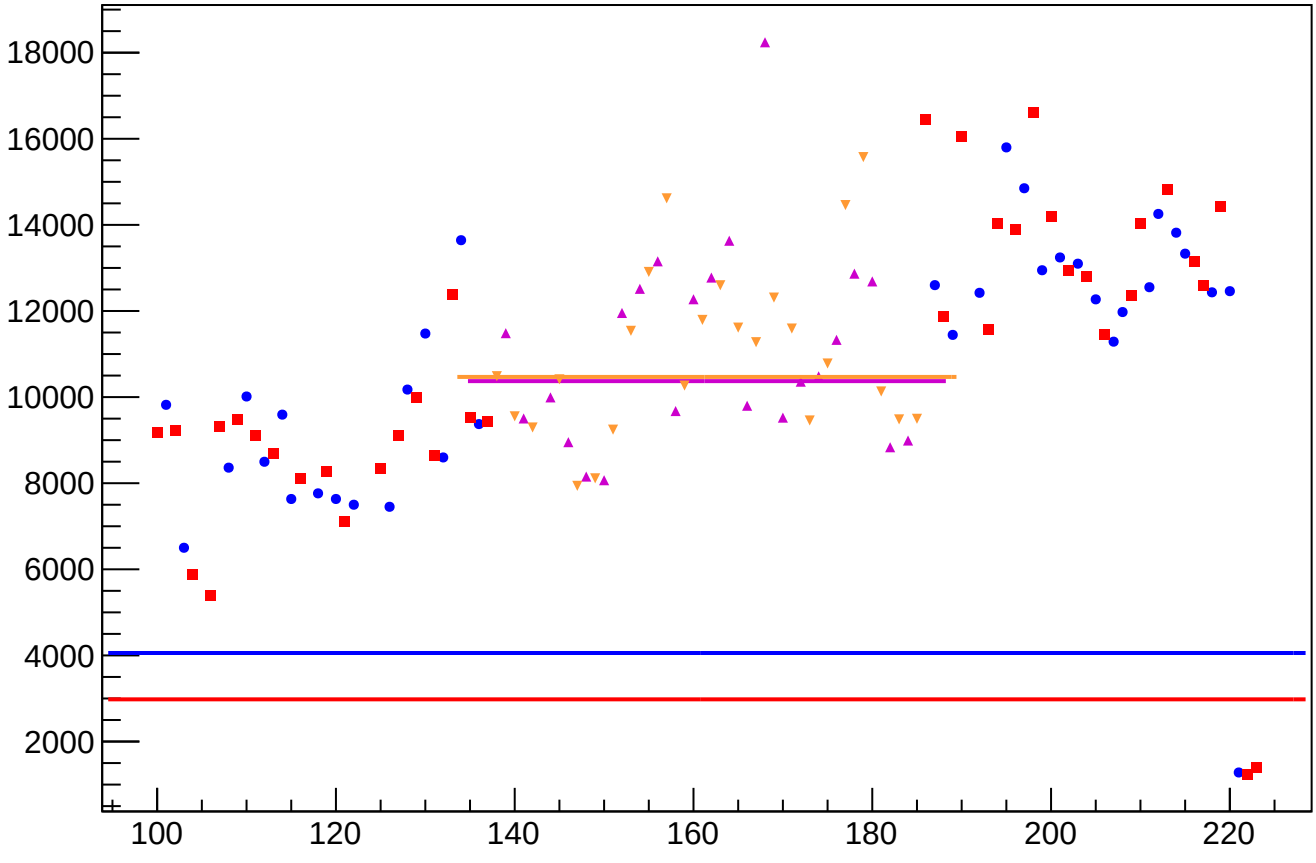
Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign 585.063+/-1147.976 χ^2/NDF: 69.1/57

All: 81.928+/-727.467 χ^2/NDF: 128.4/117

- sign -255.695+/-940.387 χ^2/NDF: 58.9/59

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 4056.426+/-0.916 χ^2/NDF: 23614865.6/33

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

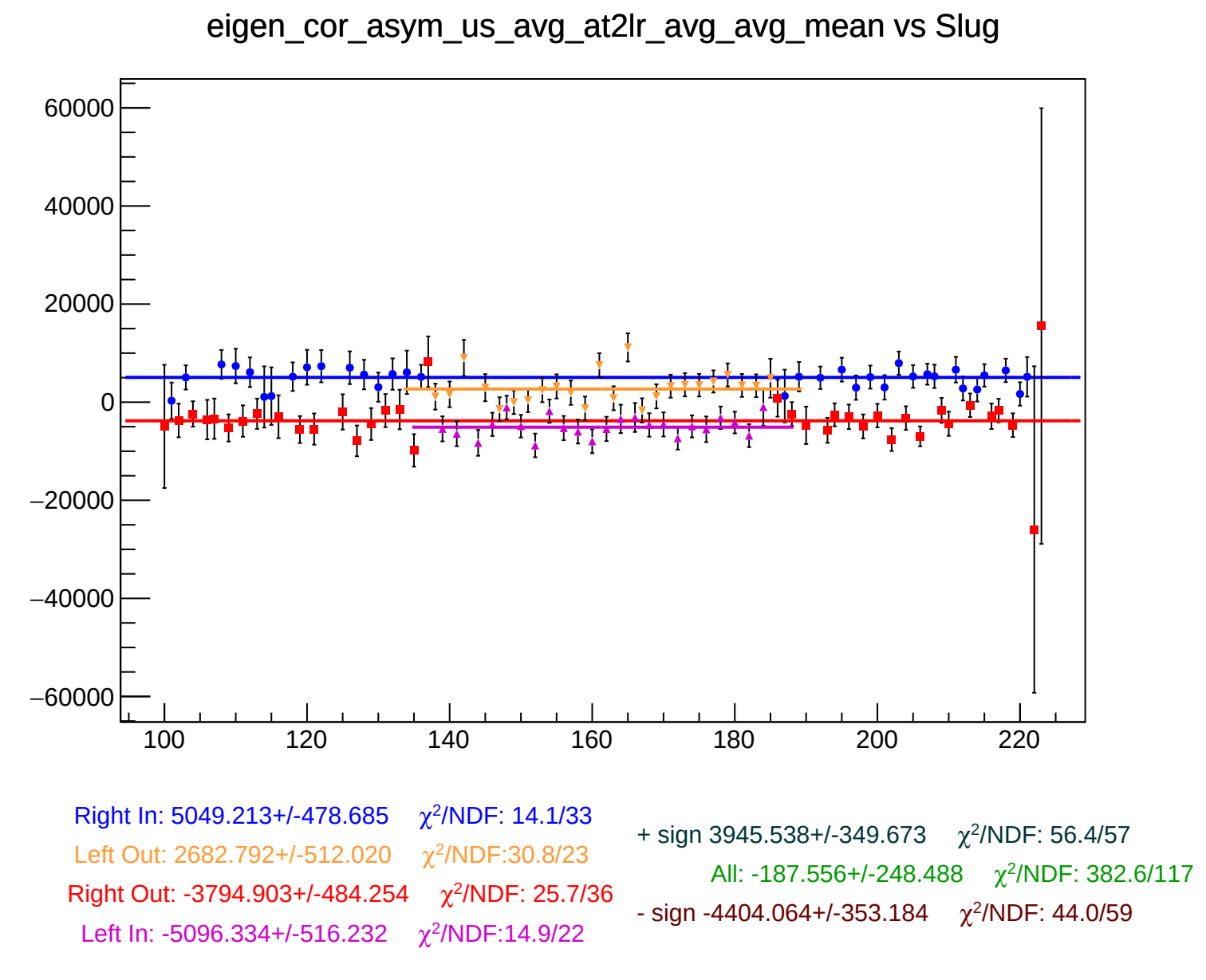
Right Out: 2979.915+/-0.719 χ^2/NDF: 27242976.6/36

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

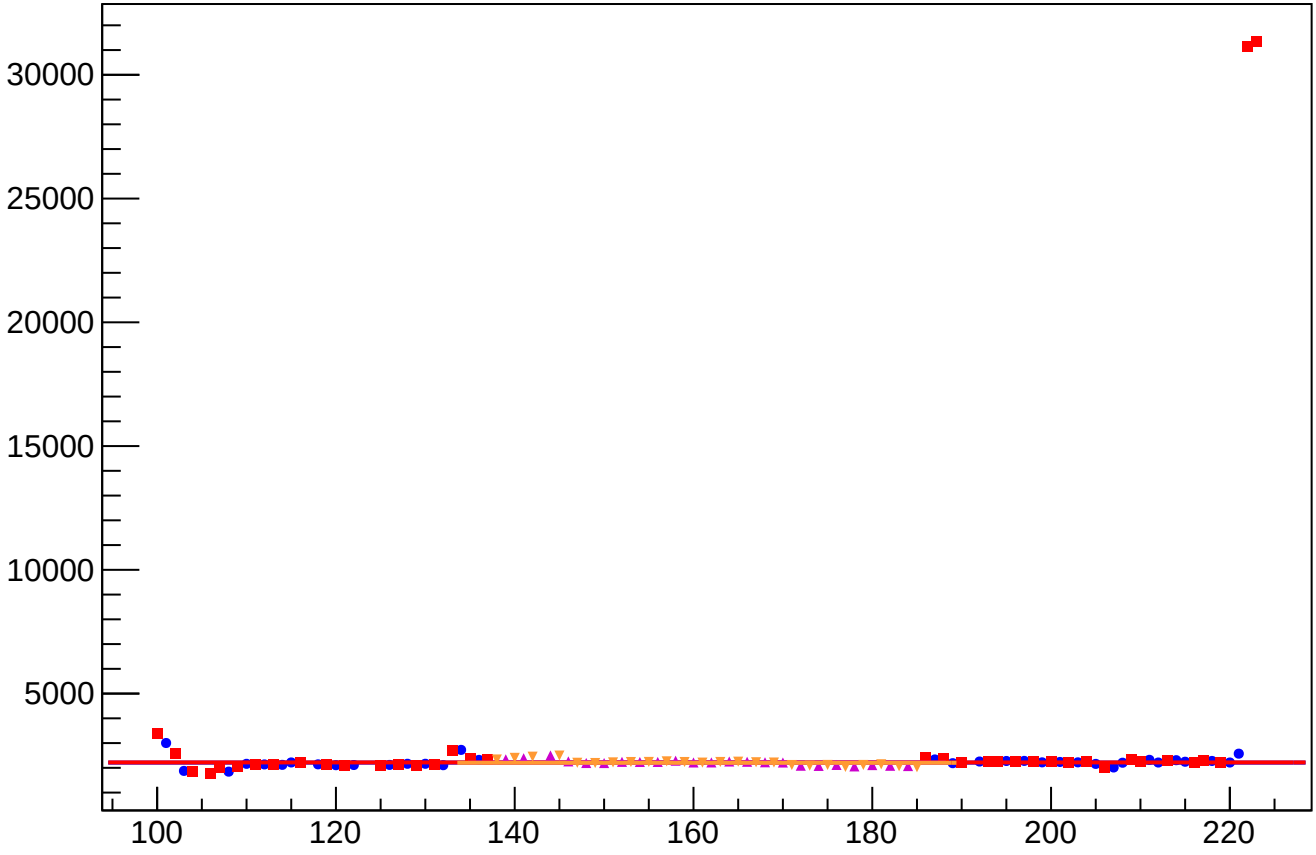
+ sign 5428.756+/-0.812 χ^2/NDF: 35156674.1/57

All: 4603.774+/-0.514 χ^2/NDF: 80628787.1/1

- sign 4050.180+/-0.665 χ^2/NDF: 43746120.0/59


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
220
Right In: 5049.213+/-478.685 χ²/NDF: 14.1/33
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: -3794.903+/-484.254 χ²/NDF: 25.7/36
Left In: -5096.334+/-516.232 χ²/NDF:14.9/22
+ sign 3945.538+/-349.673 χ²/NDF: 56.4/57
All: -187.556+/-248.488 χ²/NDF: 382.6/117
- sign -4404.064+/-353.184 χ²/NDF: 44.0/59

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2210.679+/-0.338 χ^2/NDF: 249137.4/33

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

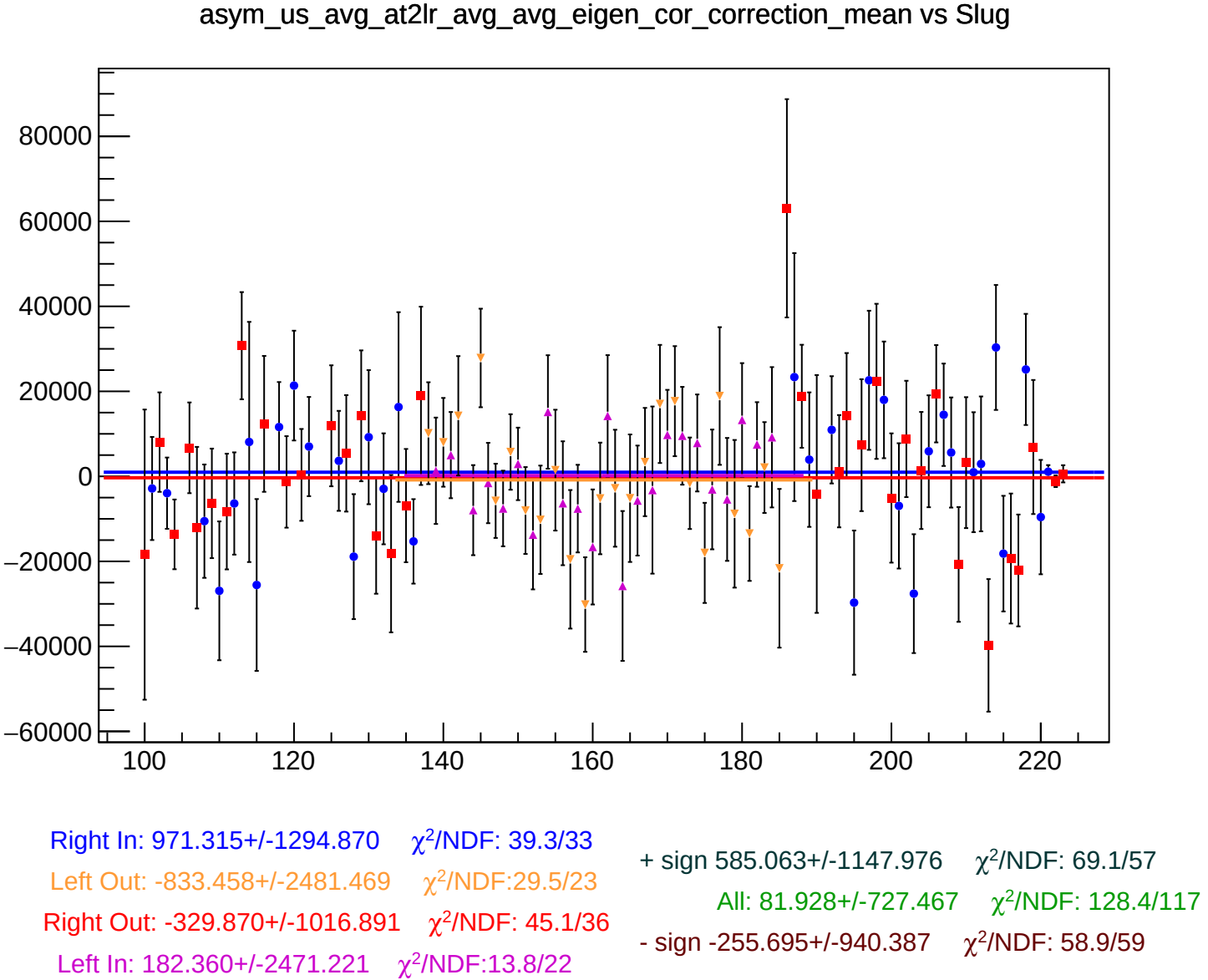
Right Out: 2218.565+/-0.342 χ^2/NDF: 2583903.4/36

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

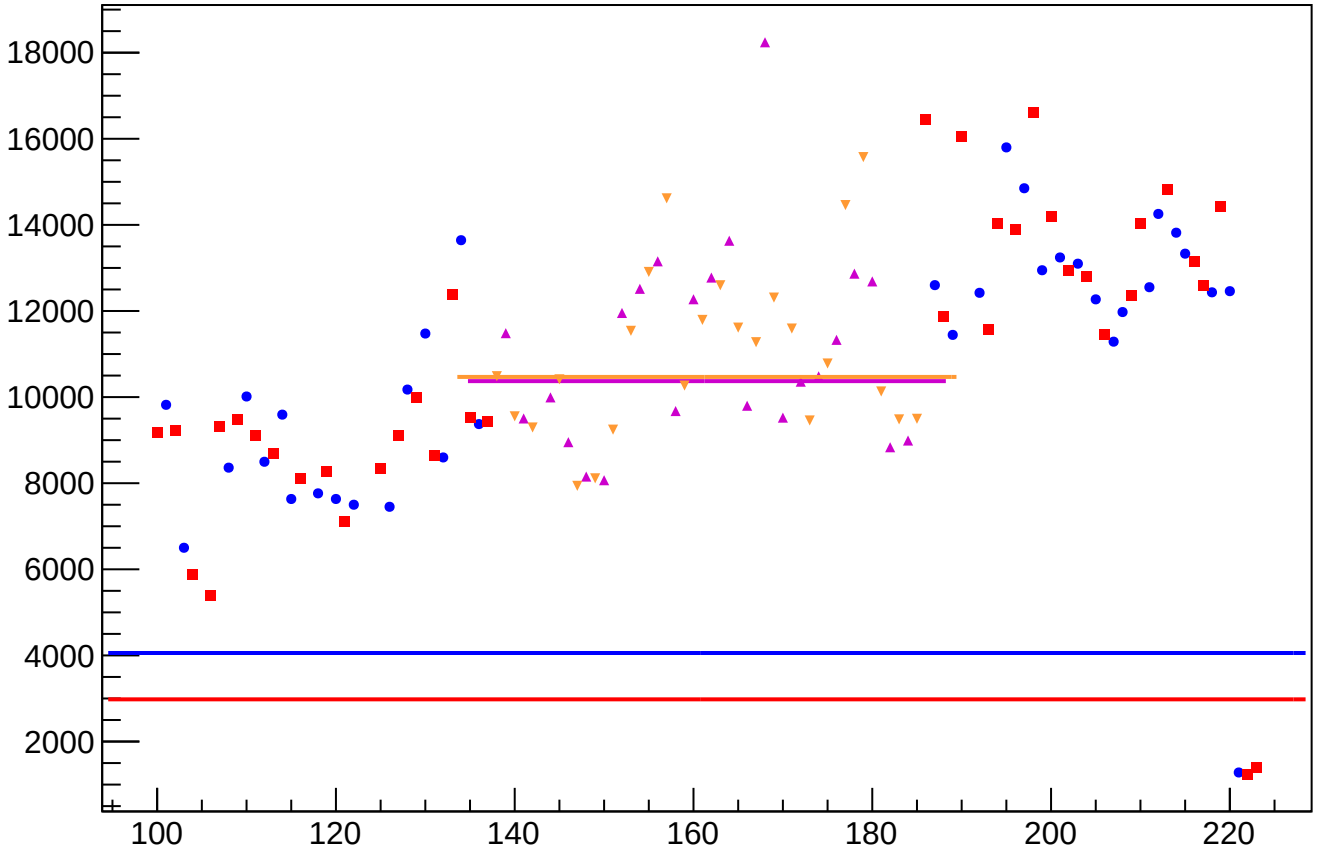
+ sign 2207.236+/-0.247 χ^2/NDF: 337567.6/57

All: 2210.491+/-0.176 χ^2/NDF: 3003230.1/11

- sign 2213.806+/-0.250 χ^2/NDF: 2665312.6/59


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
220
Right In: 971.315+/-1294.870 χ²/NDF: 39.3/33
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -329.870+/-1016.891 χ²/NDF: 45.1/36
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign 585.063+/-1147.976 χ²/NDF: 69.1/57
All: 81.928+/-727.467 χ²/NDF: 128.4/117
- sign -255.695+/-940.387 χ²/NDF: 58.9/59

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 4056.426+/-0.916 χ^2/NDF: 23614865.6/33

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 2979.915+/-0.719 χ^2/NDF: 27242976.6/36

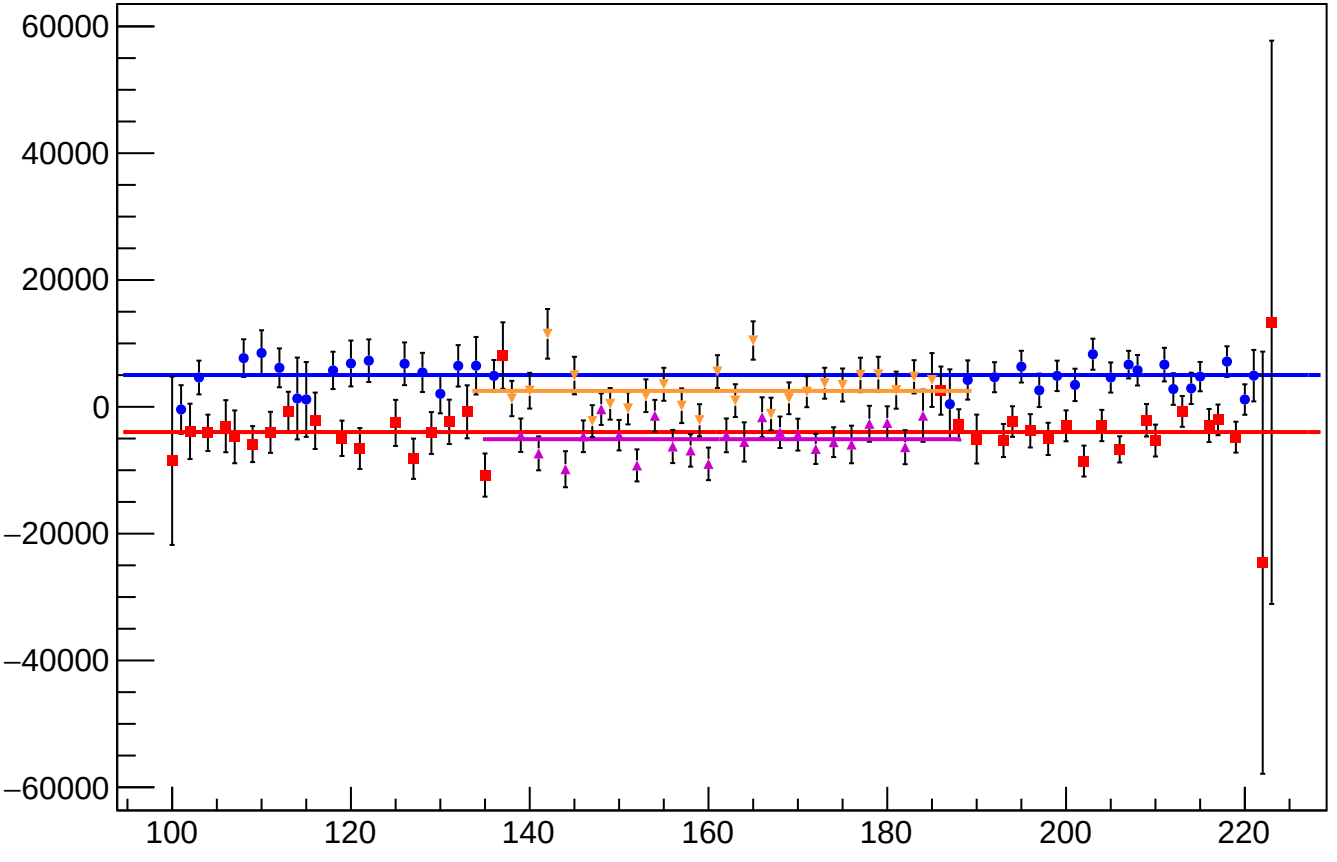
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 5428.756+/-0.812 χ^2/NDF: 35156674.1/57

All: 4603.774+/-0.514 χ^2/NDF: 80628787.1/1

- sign 4050.180+/-0.665 χ^2/NDF: 43746120.0/59

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5016.133+/-489.722 χ^2/NDF: 17.0/33

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3974.314+/-497.329 χ^2/NDF: 28.4/36

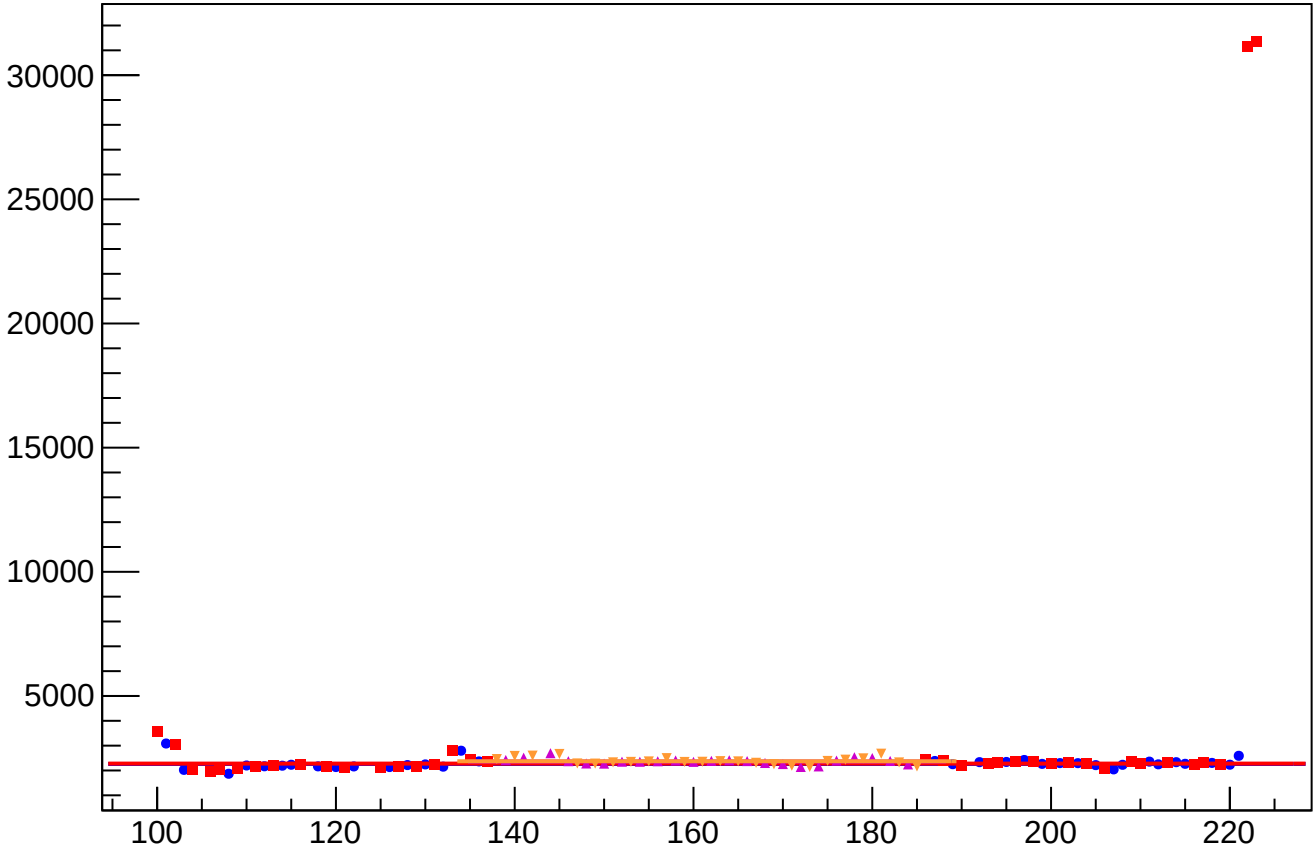
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3911.015+/-366.217 χ^2/NDF: 58.3/57

All: -244.941+/-260.163 χ^2/NDF: 368.9/117

- sign -4479.419+/-369.660 χ^2/NDF: 50.6/59

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.173+/-0.346 χ^2/NDF: 241284.1/33

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

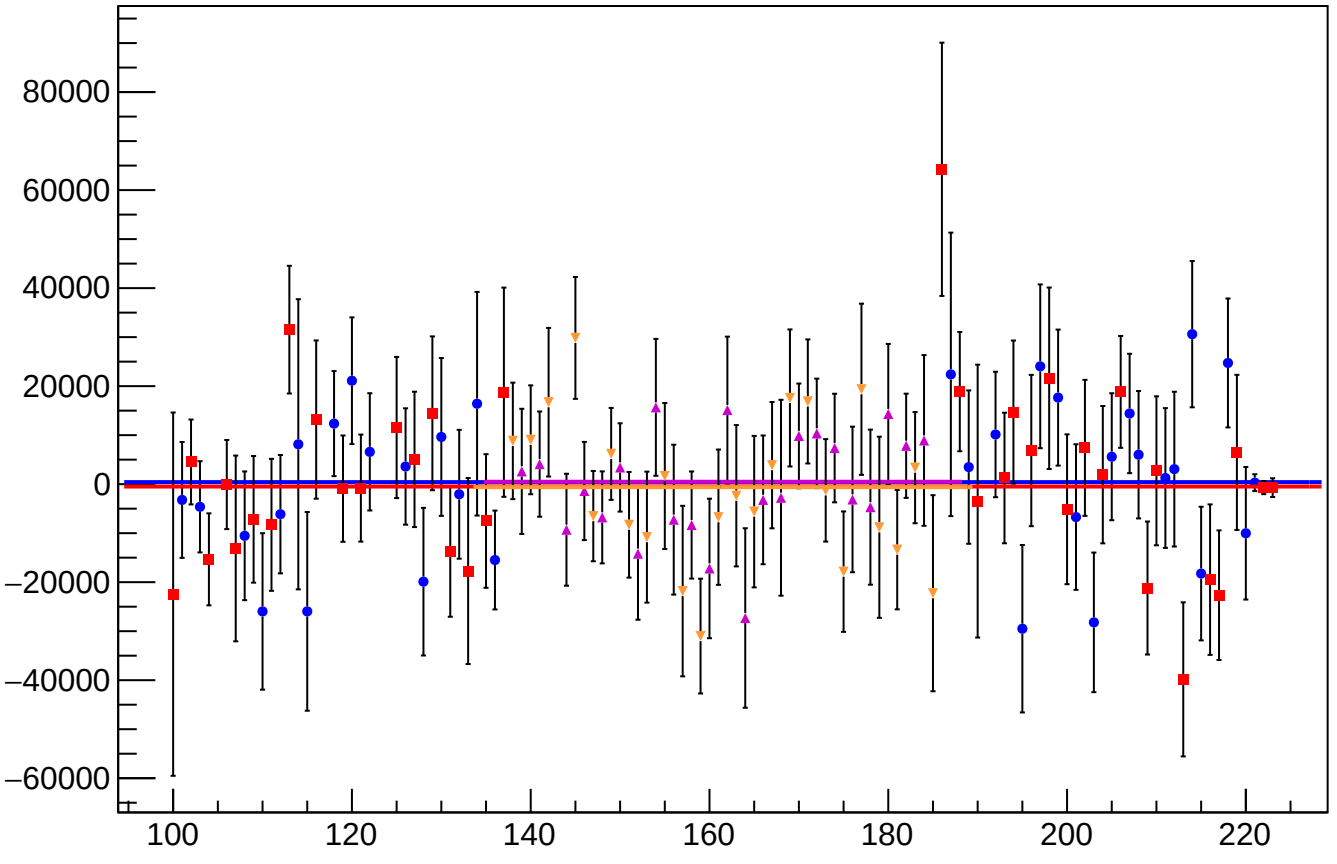
Right Out: 2276.785+/-0.352 χ^2/NDF: 2576127.4/36

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2309.644+/-0.259 χ^2/NDF: 402028.7/57

All: 2312.302+/-0.184 χ^2/NDF: 3096682.5/11

- sign 2315.009+/-0.261 χ^2/NDF: 2694441.2/59



Right In: 413.287+/-1395.007 χ^2/NDF: 38.9/33

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

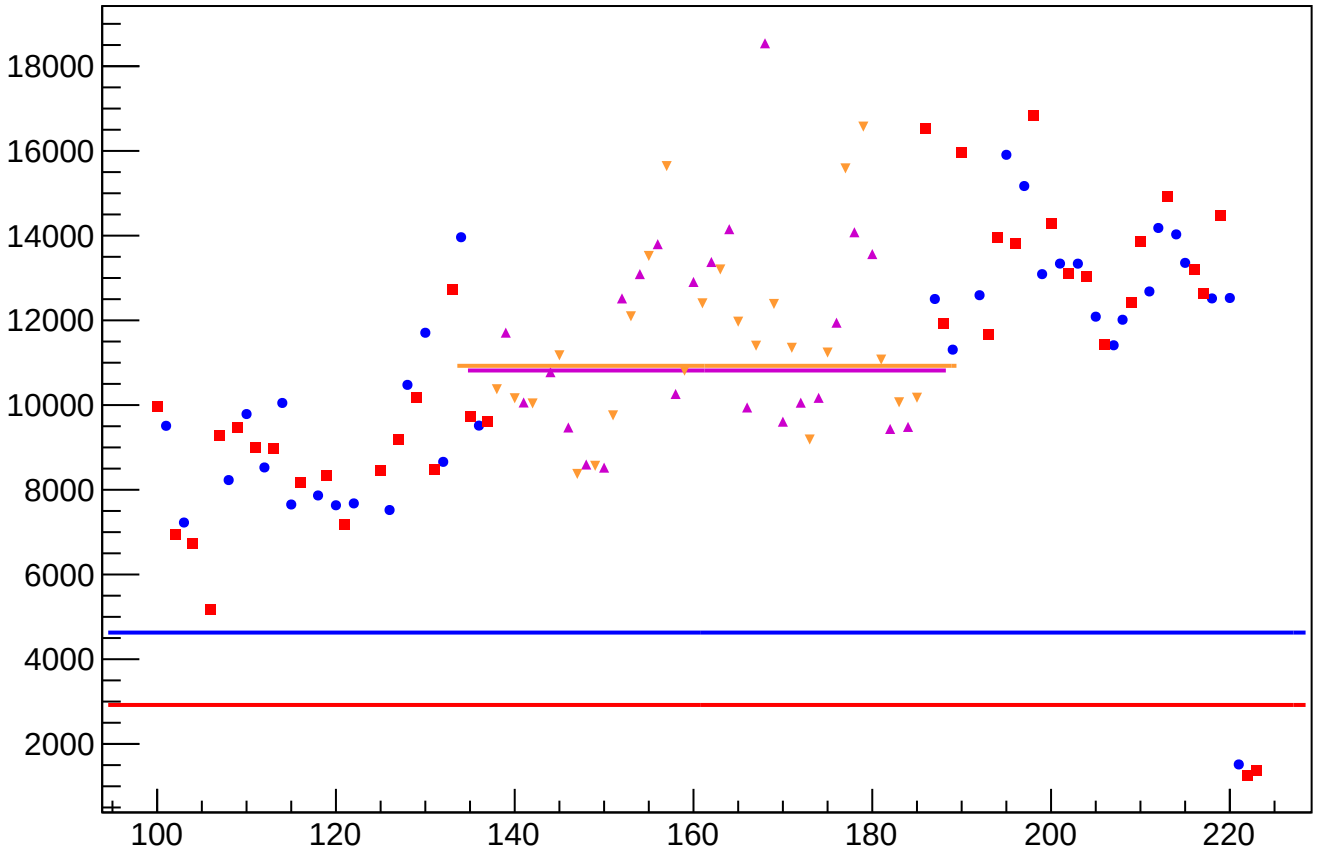
Right Out: -486.145+/-992.818 χ^2/NDF: 43.8/36

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign 183.557+/-1228.177 χ^2/NDF: 67.9/57

All: -162.873+/-739.621 χ^2/NDF: 125.5/117

- sign -359.997+/-926.452 χ^2/NDF: 57.4/59



Right In: 4628.932+/-0.986 χ^2/NDF: 21410167.5/33

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

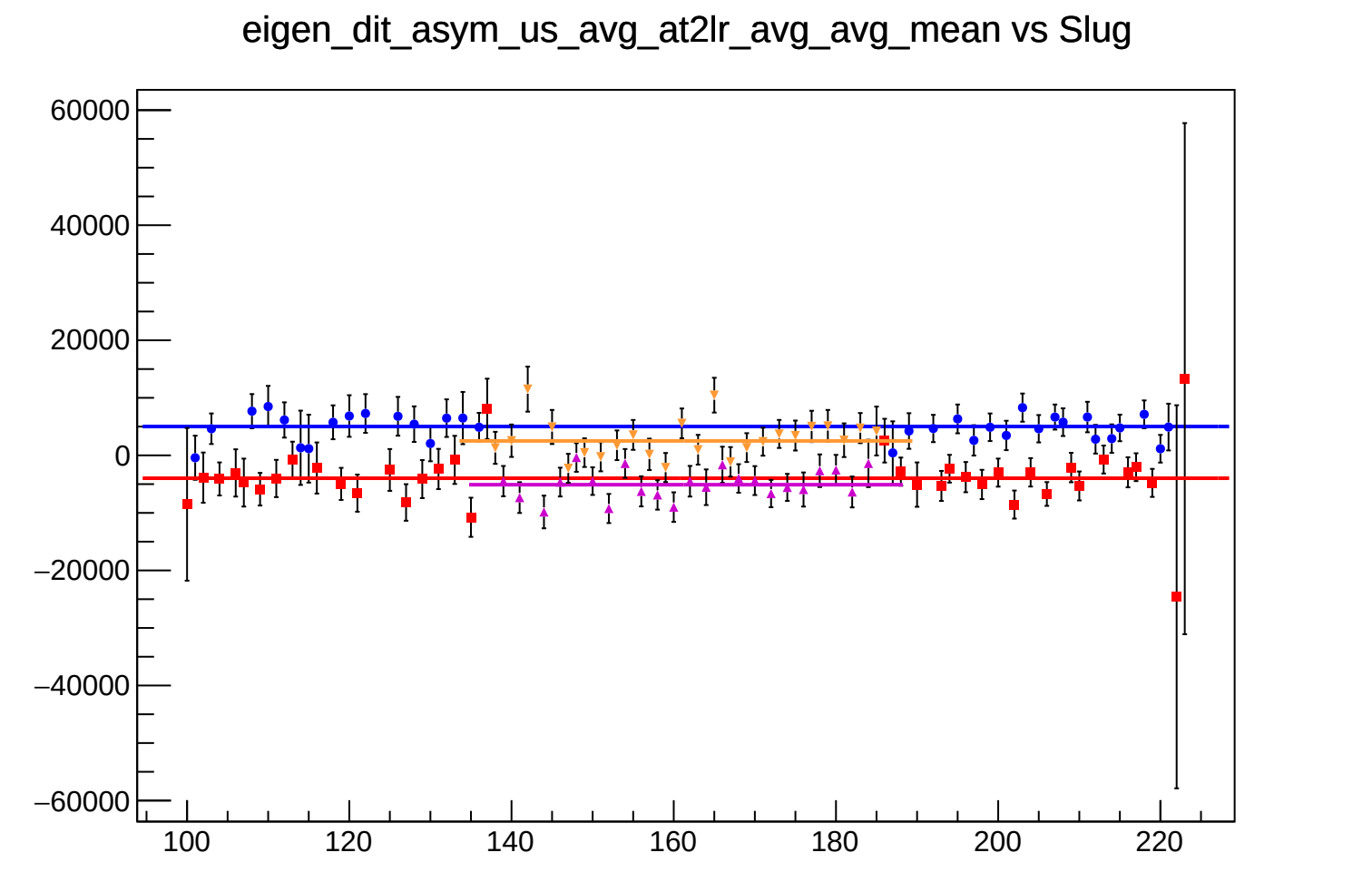
Right Out: 2920.223+/-0.702 χ^2/NDF: 27468550.9/36

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 6045.206+/-0.868 χ^2/NDF: 31634393.5/57

All: 4703.846+/-0.523 χ^2/NDF: 80390657.7/1

- sign 3940.592+/-0.655 χ^2/NDF: 45013213.8/59



Right In: 5016.126+/-489.721 χ^2/NDF: 17.0/33

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3974.314+/-497.329 χ^2/NDF: 28.4/36

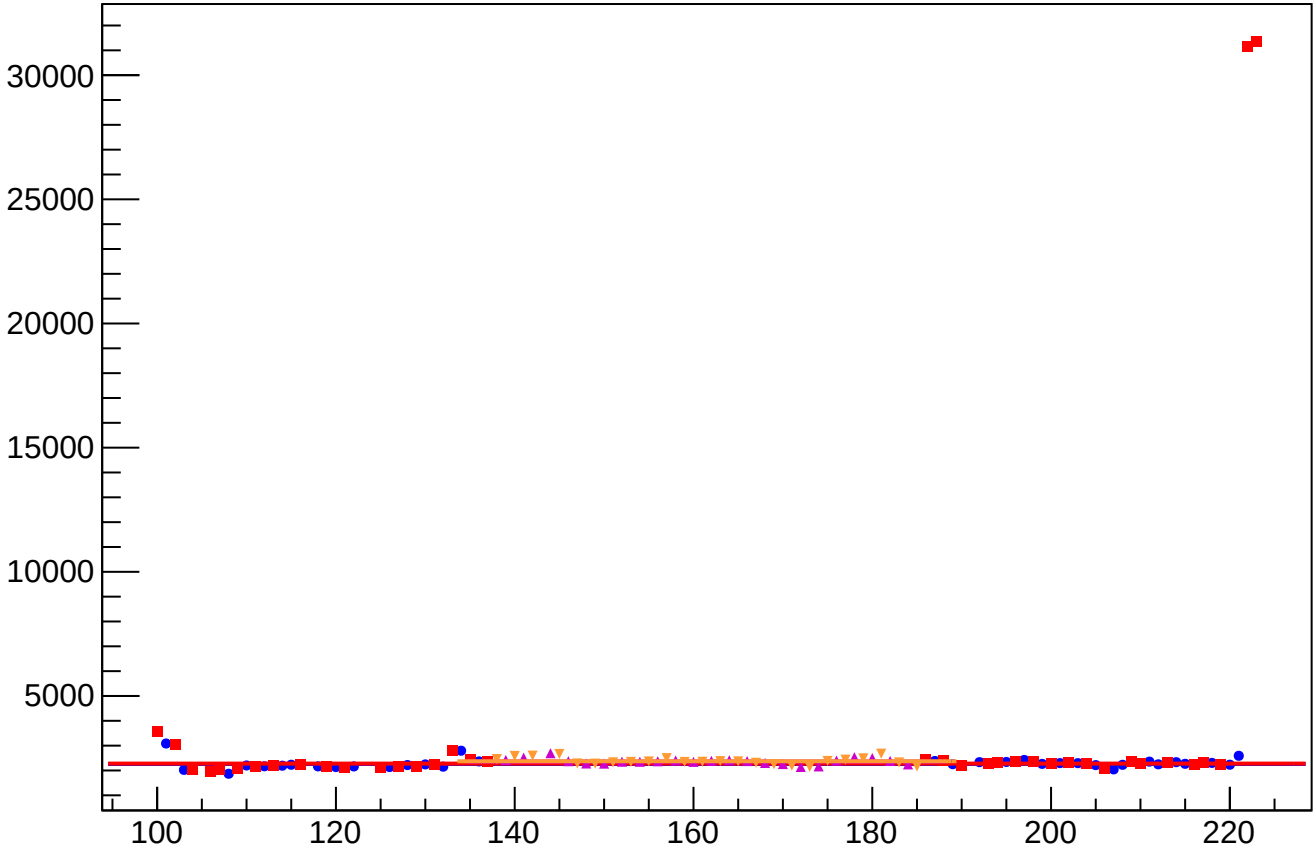
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3911.007+/-366.217 χ^2/NDF: 58.3/57

All: -244.945+/-260.164 χ^2/NDF: 368.9/117

- sign -4479.419+/-369.661 χ^2/NDF: 50.6/59

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.173+/-0.346 χ^2/NDF: 241284.5/33

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

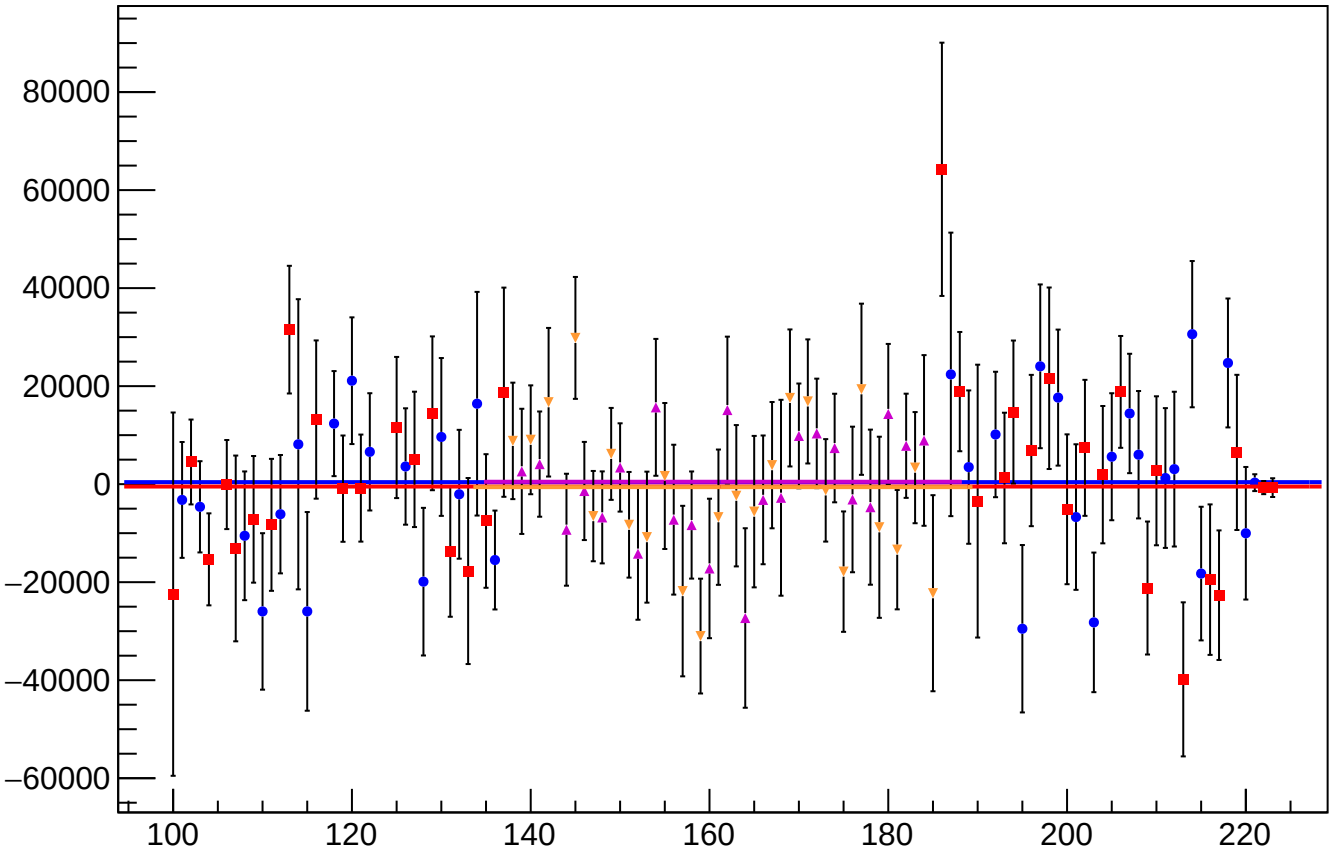
Right Out: 2276.785+/-0.352 χ^2/NDF: 2576127.9/36

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2309.645+/-0.259 χ^2/NDF: 402036.1/57

All: 2312.303+/-0.184 χ^2/NDF: 3096697.0/11

- sign 2315.010+/-0.261 χ^2/NDF: 2694448.3/59



Right In: 413.283+/-1395.006 χ^2/NDF: 38.9/33

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

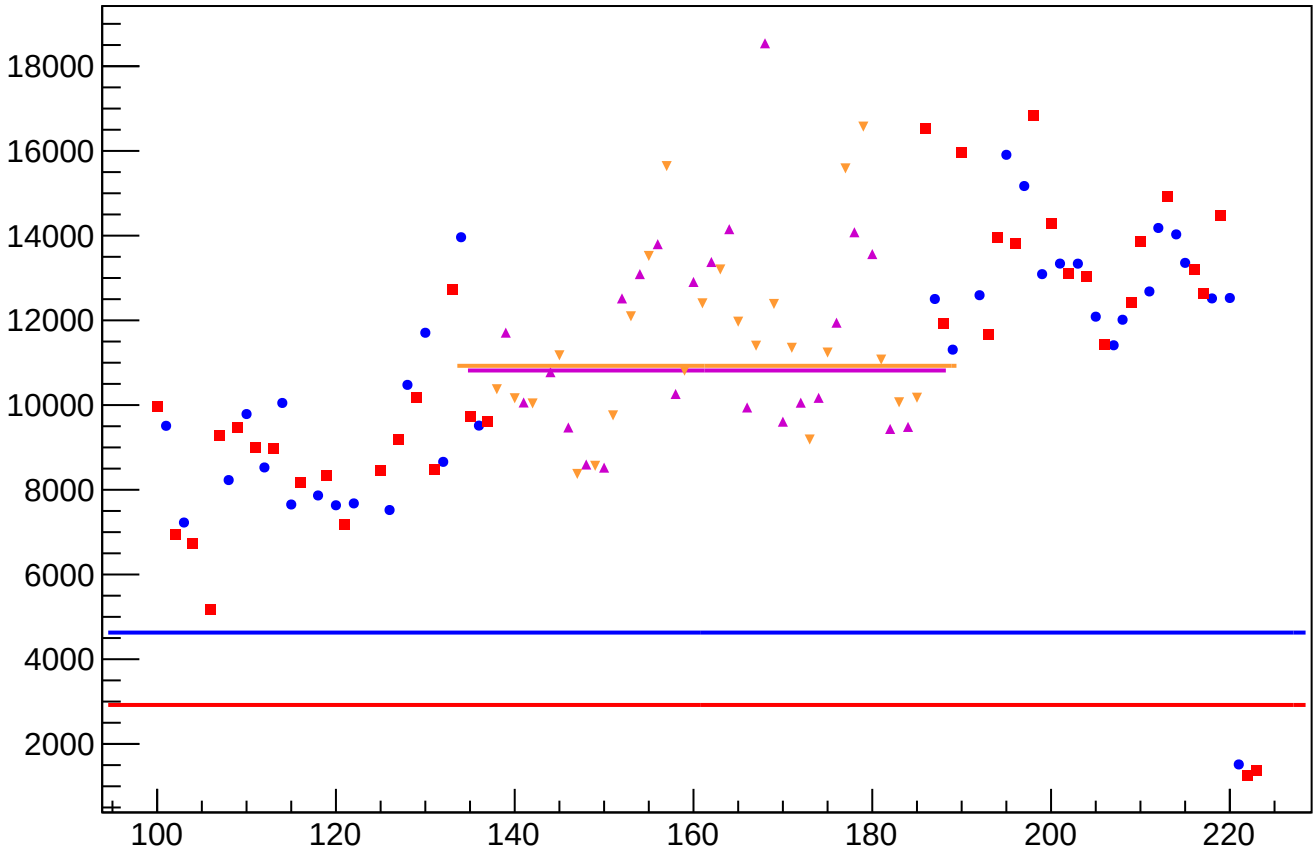
Right Out: -486.144+/-992.820 χ^2/NDF: 43.8/36

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign 183.553+/-1228.177 χ^2/NDF: 67.9/57

All: -162.874+/-739.622 χ^2/NDF: 125.5/117

- sign -359.996+/-926.453 χ^2/NDF: 57.4/59



Right In: 4628.926+/-0.986 χ^2/NDF: 21410191.6/33

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 2920.229+/-0.702 χ^2/NDF: 27468520.2/36

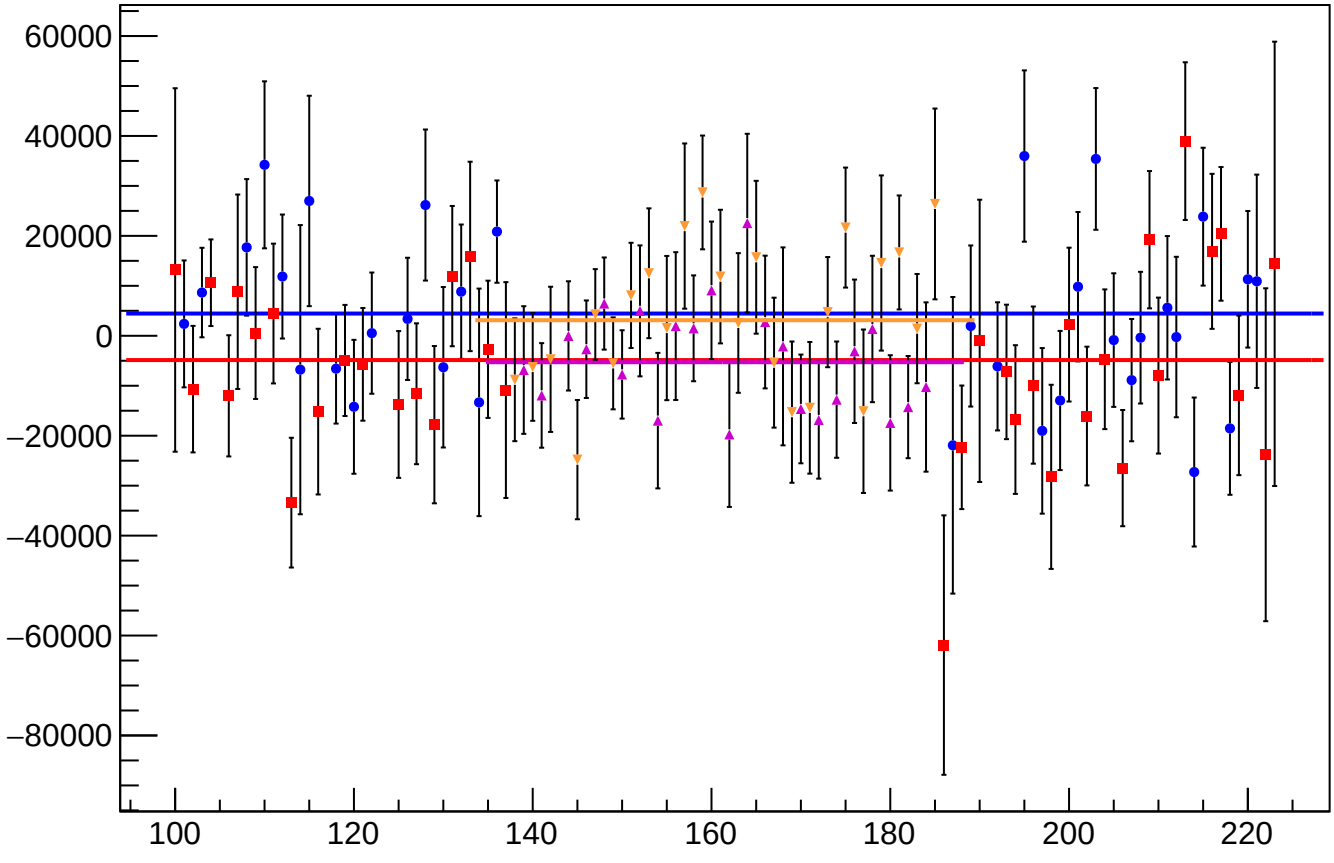
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 6045.200+/-0.868 χ^2/NDF: 31634468.7/57

All: 4703.850+/-0.523 χ^2/NDF: 80390650.6/1

- sign 3940.599+/-0.655 χ^2/NDF: 45013179.6/59

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 4451.983+/-2407.360 χ^2/NDF: 39.6/33

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -4860.902+/-2412.583 χ^2/NDF: 44.9/36

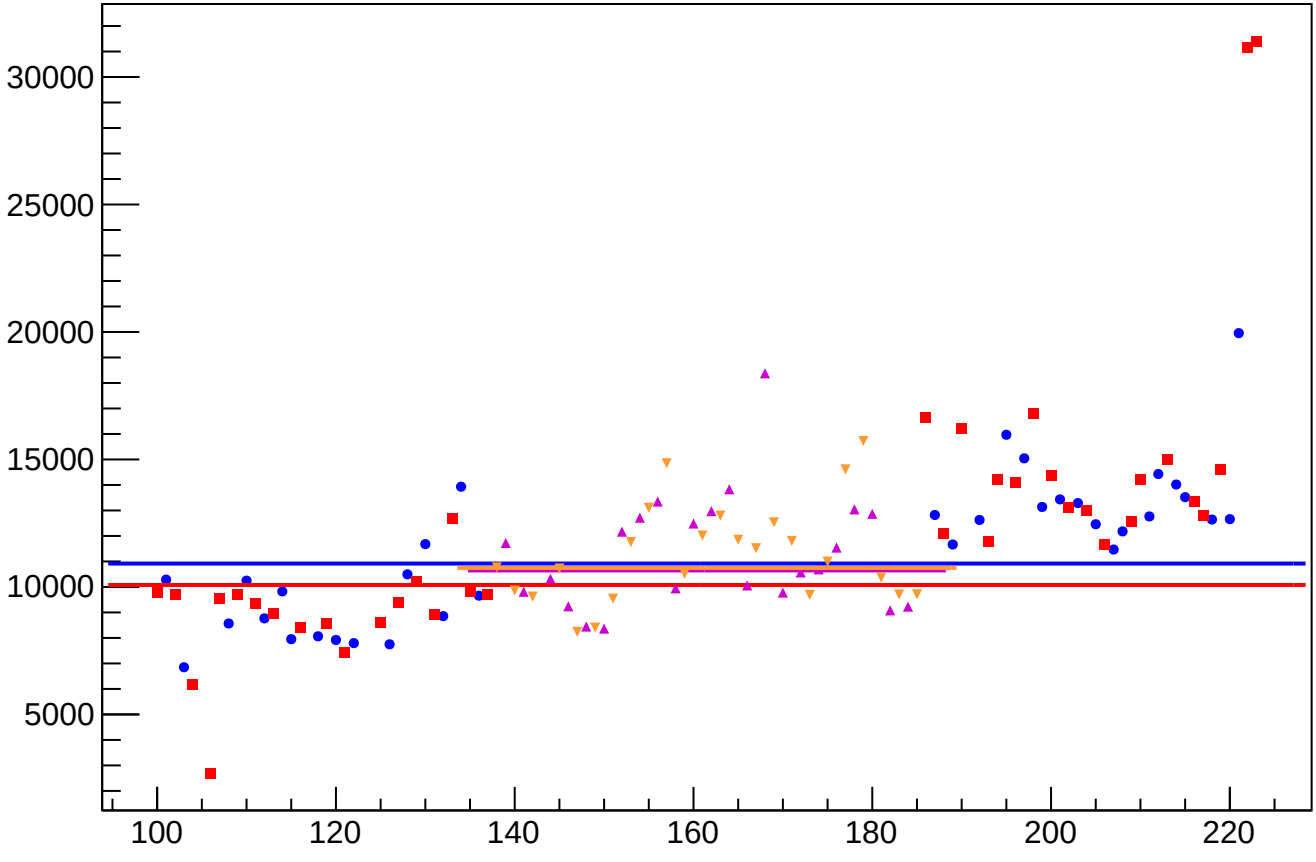
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 3822.026+/-1748.199 χ^2/NDF: 67.2/57

All: -624.785+/-1235.729 χ^2/NDF: 138.4/117

- sign -5065.351+/-1746.972 χ^2/NDF: 58.3/59

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10917.841+/-1.702 χ^2/NDF: 2471003.4/33

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

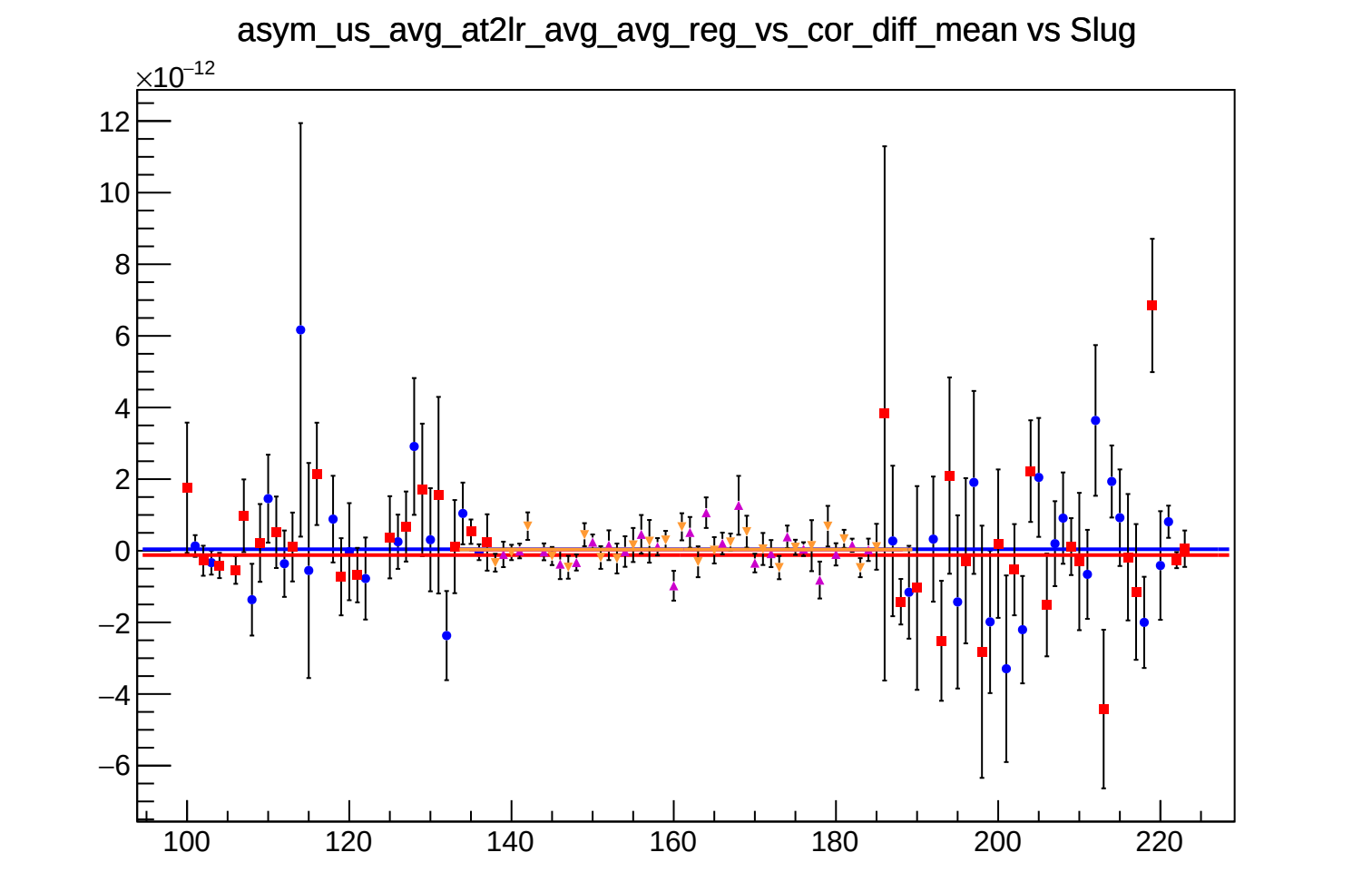
Right Out: 10077.738+/-1.635 χ^2/NDF: 6319437.6/36

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10836.305+/-1.236 χ^2/NDF: 3440475.8/57

All: 10580.391+/-0.864 χ^2/NDF: 11012732.5

- sign 10336.218+/-1.207 χ^2/NDF: 7488505.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

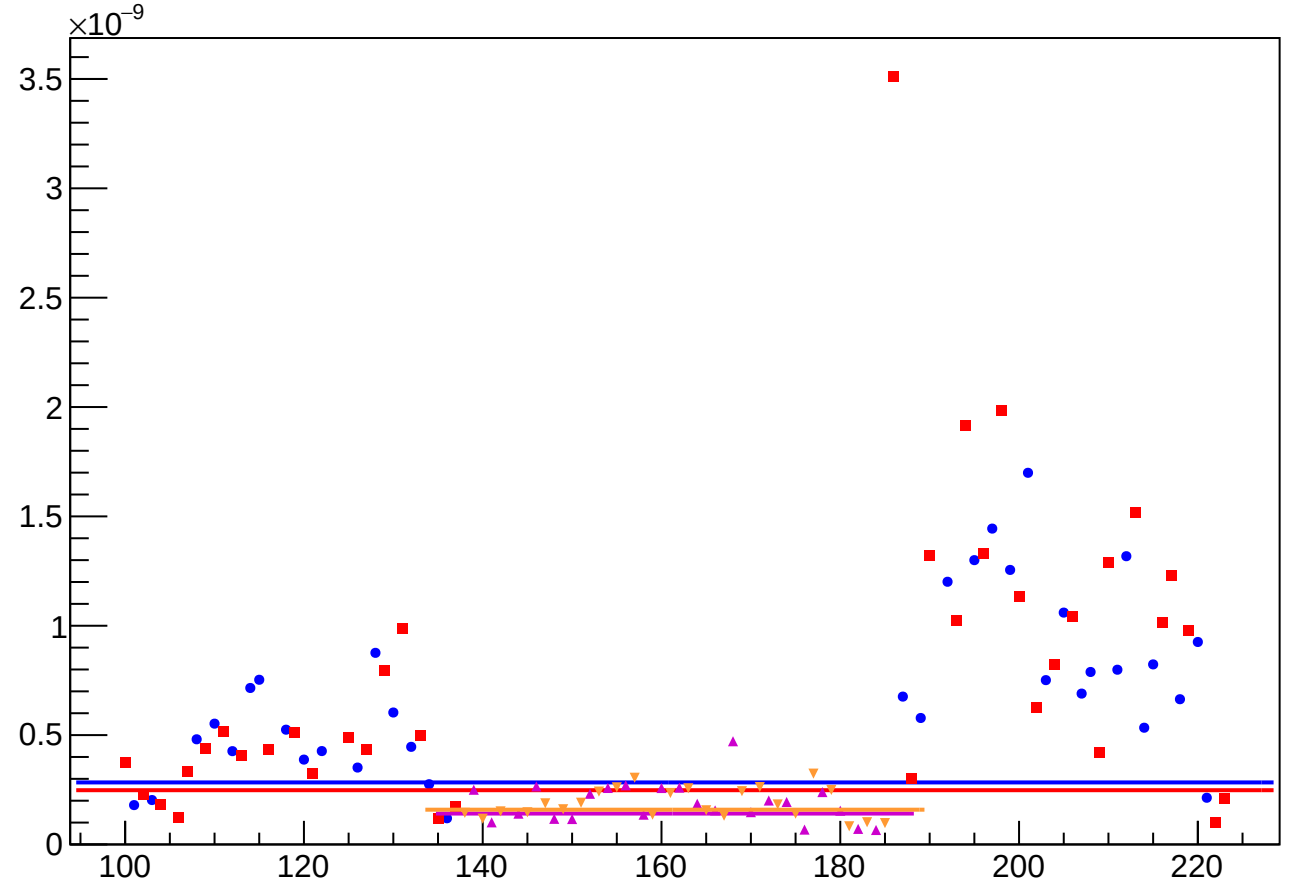
Right Out: -0.000+/-0.000 χ^2/NDF: 44.6/36

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/57

All: 0.000+/-0.000 χ^2/NDF: 136.3/117

- sign -0.000+/-0.000 χ^2/NDF: 73.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 7788829.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

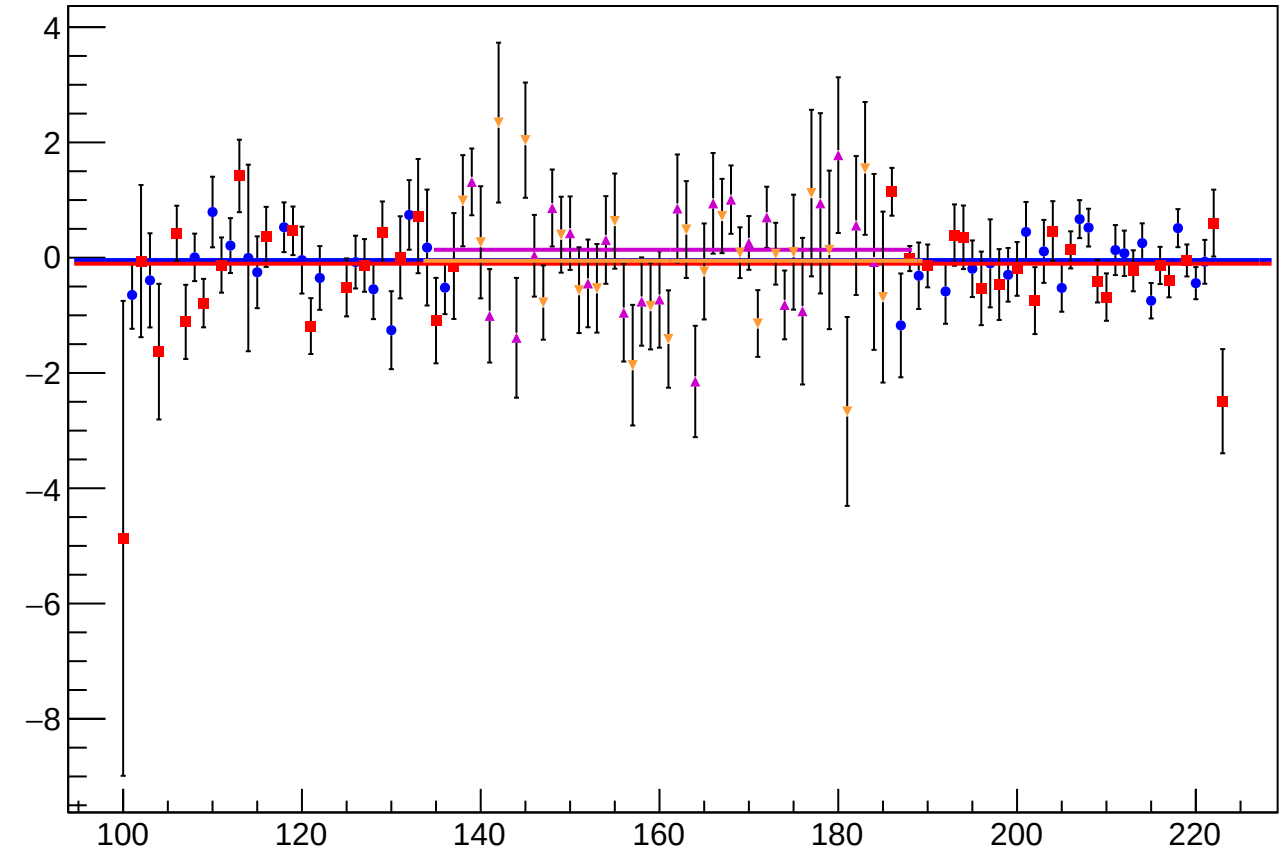
Right Out: 0.000+/-0.000 χ^2/NDF: 9300850.6/36

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10614199.6/57

All: 0.000+/-0.000 χ^2/NDF: 23762903.1/117

- sign 0.000+/-0.000 χ^2/NDF: 13005407.1/59



Right In: -0.041+/-0.079 χ^2/NDF: 36.8/33

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

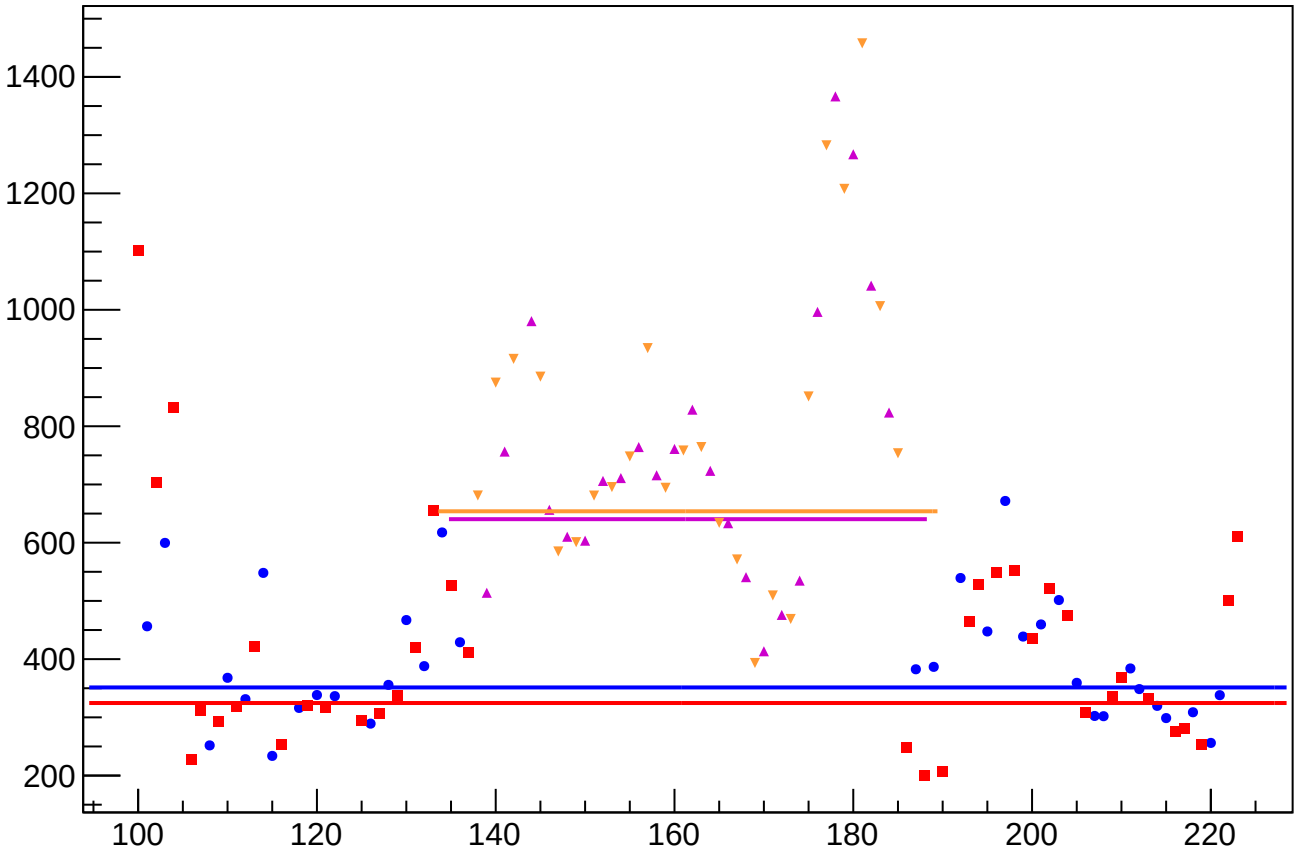
Right Out: -0.104+/-0.075 χ^2/NDF: 53.9/36

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

\+ sign -0.043+/-0.071 χ^2/NDF: 66.9/57

All: -0.052+/-0.049 χ^2/NDF: 152.7/117

\- sign -0.060+/-0.068 χ^2/NDF: 85.7/59



Right In: 351.382+/-0.056 χ^2/NDF: 2204831.7/33

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

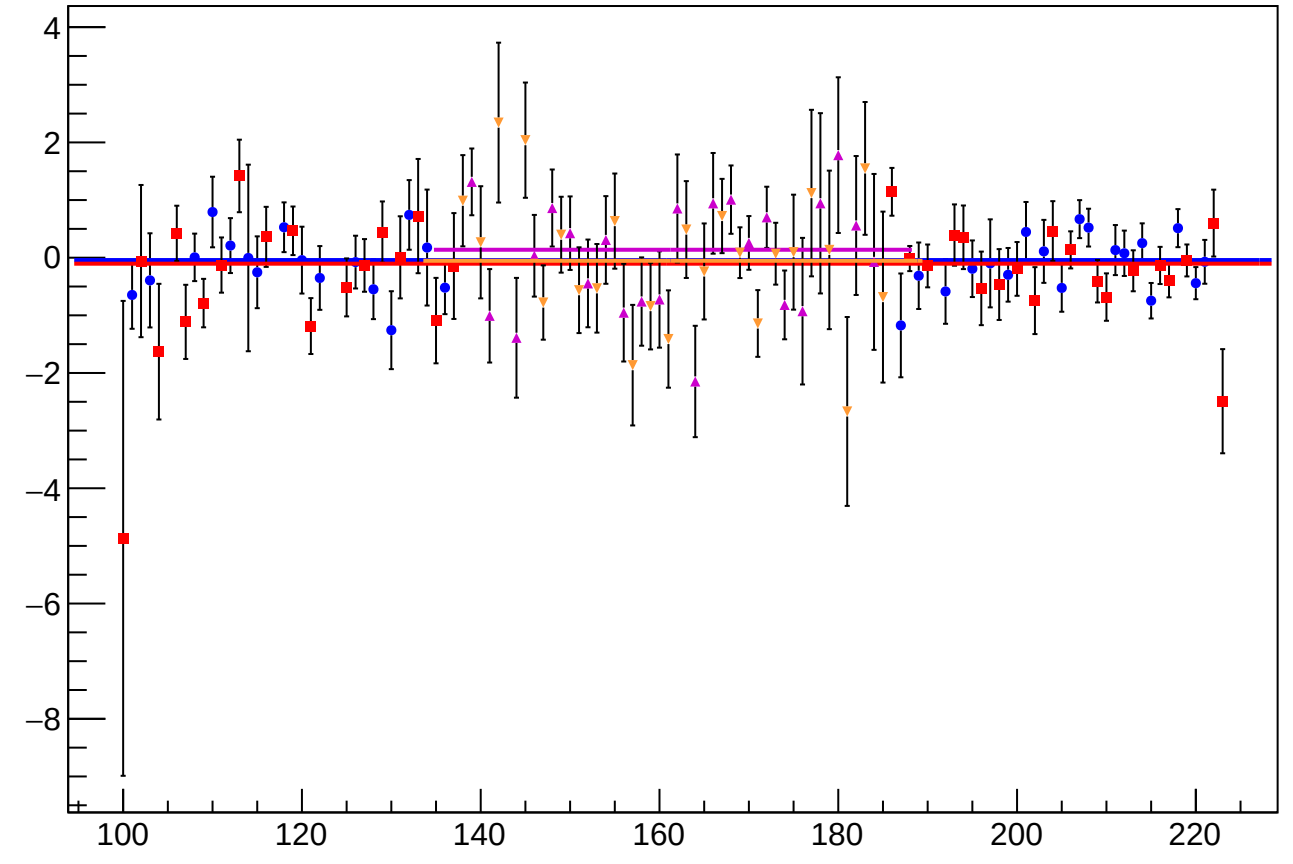
Right Out: 324.629+/-0.053 χ^2/NDF: 4229506.4/36

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 409.922+/-0.050 χ^2/NDF: 11002343.0/57

All: 395.518+/-0.035 χ^2/NDF: 24573001.5/11

- sign 382.463+/-0.048 χ^2/NDF: 13413584.0/59



Right In: -0.041+/-0.079 χ^2/NDF: 36.8/33

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

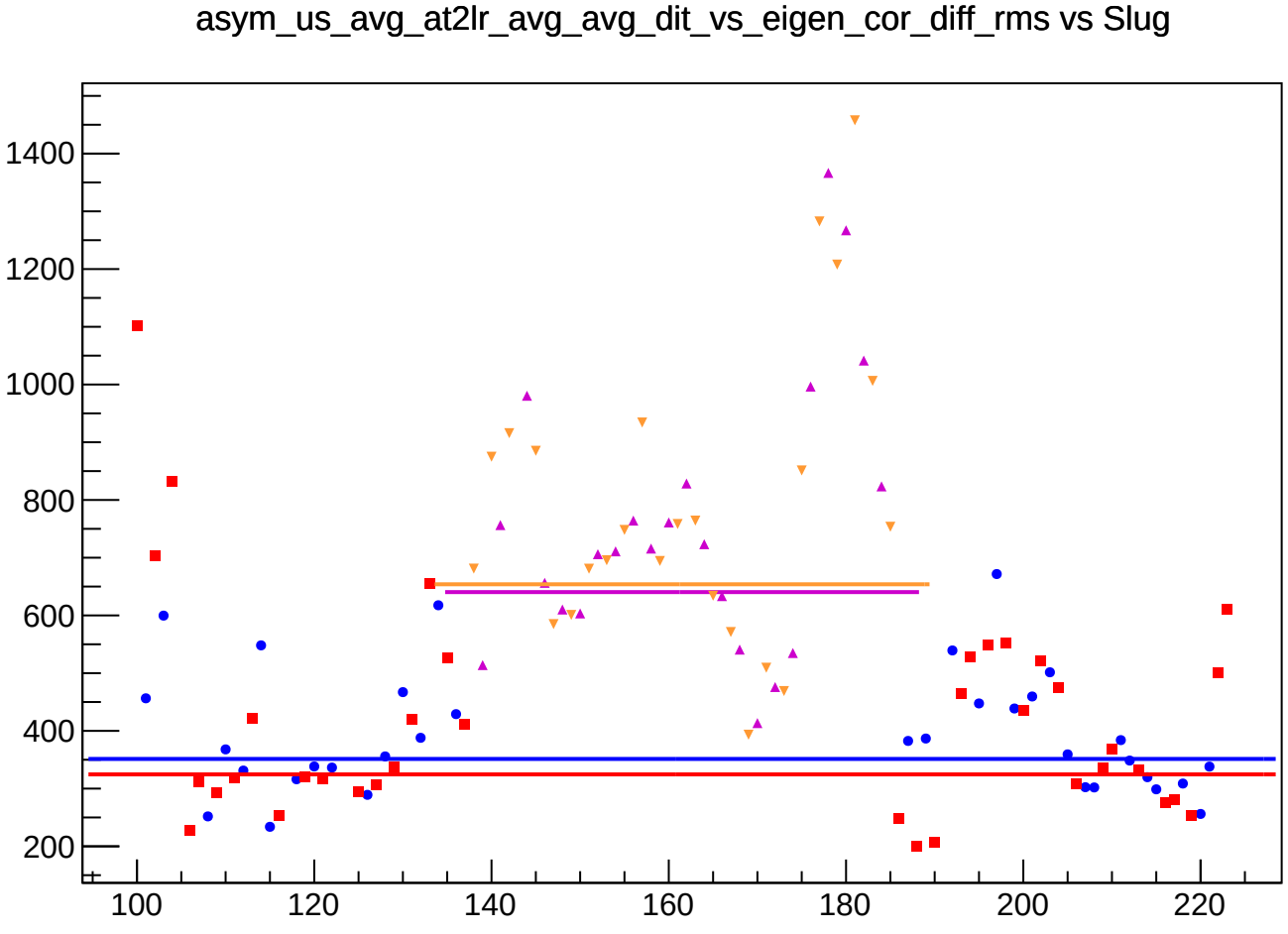
Right Out: -0.104+/-0.075 χ^2/NDF: 53.9/36

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.043+/-0.071 χ^2/NDF: 66.9/57

All: -0.052+/-0.049 χ^2/NDF: 152.7/117

- sign -0.060+/-0.068 χ^2/NDF: 85.7/59



Right In: 351.382+/-0.056 χ^2/NDF: 2204831.7/33

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

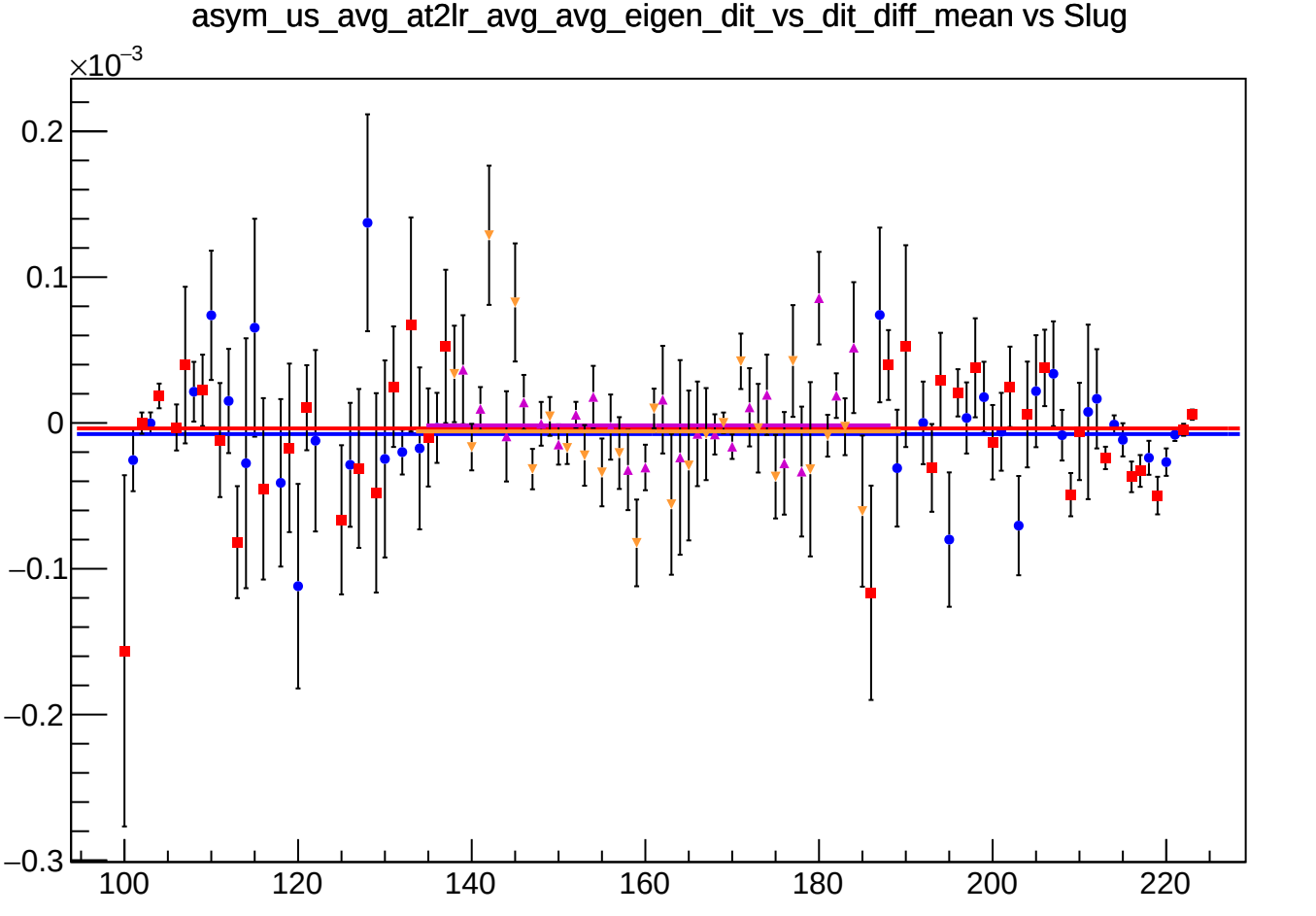
Right Out: 324.629+/-0.053 χ^2/NDF: 4229506.4/36

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 409.922+/-0.050 χ^2/NDF: 11002343.0/57

All: 395.518+/-0.035 χ^2/NDF: 24573001.5/11

- sign 382.463+/-0.048 χ^2/NDF: 13413584.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

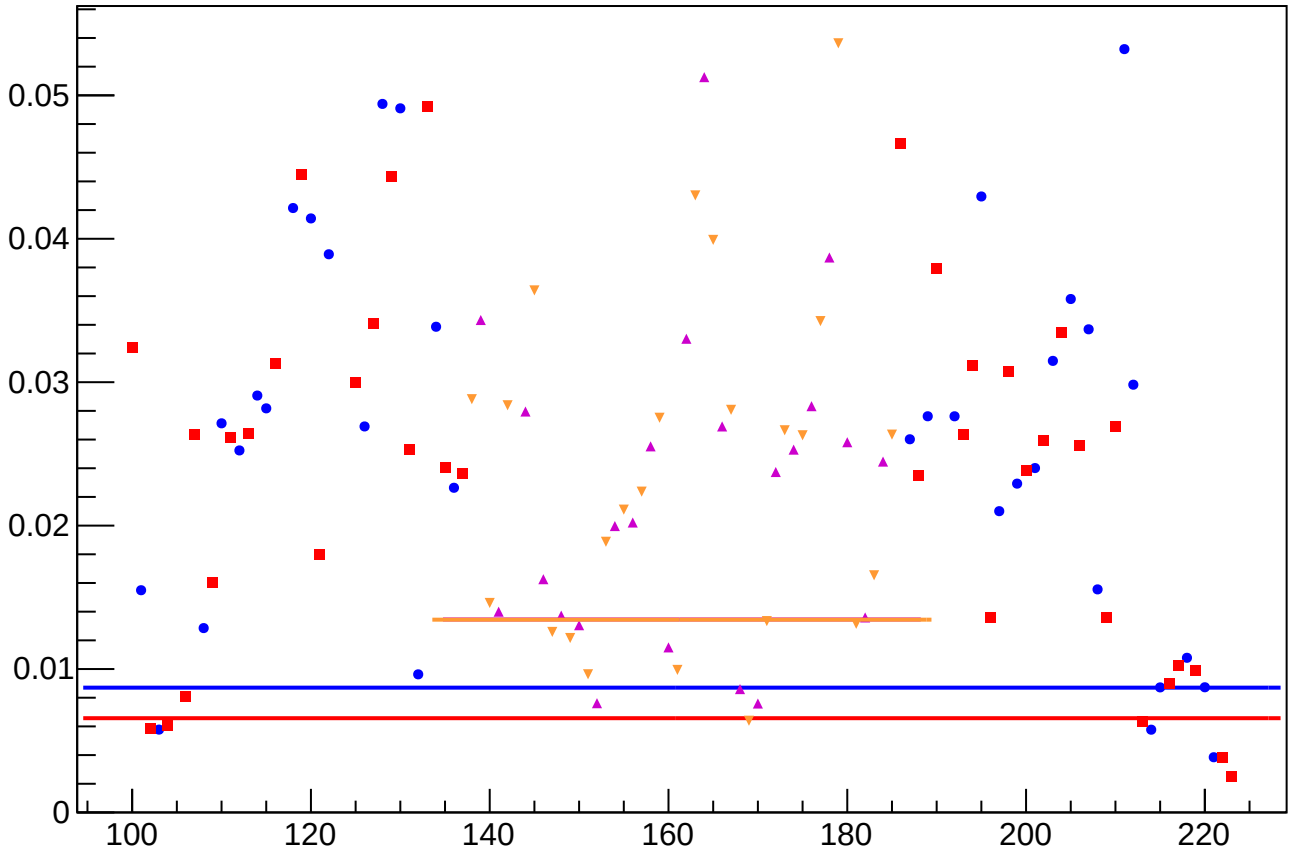
Right Out: -0.000+/-0.000 χ^2/NDF: 89.5/36

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.9/57

All: -0.000+/-0.000 χ^2/NDF: 195.0/117

- sign -0.000+/-0.000 χ^2/NDF: 115.3/59



Right In: 0.009+/-0.000 χ^2/NDF: 18536153.2/33

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

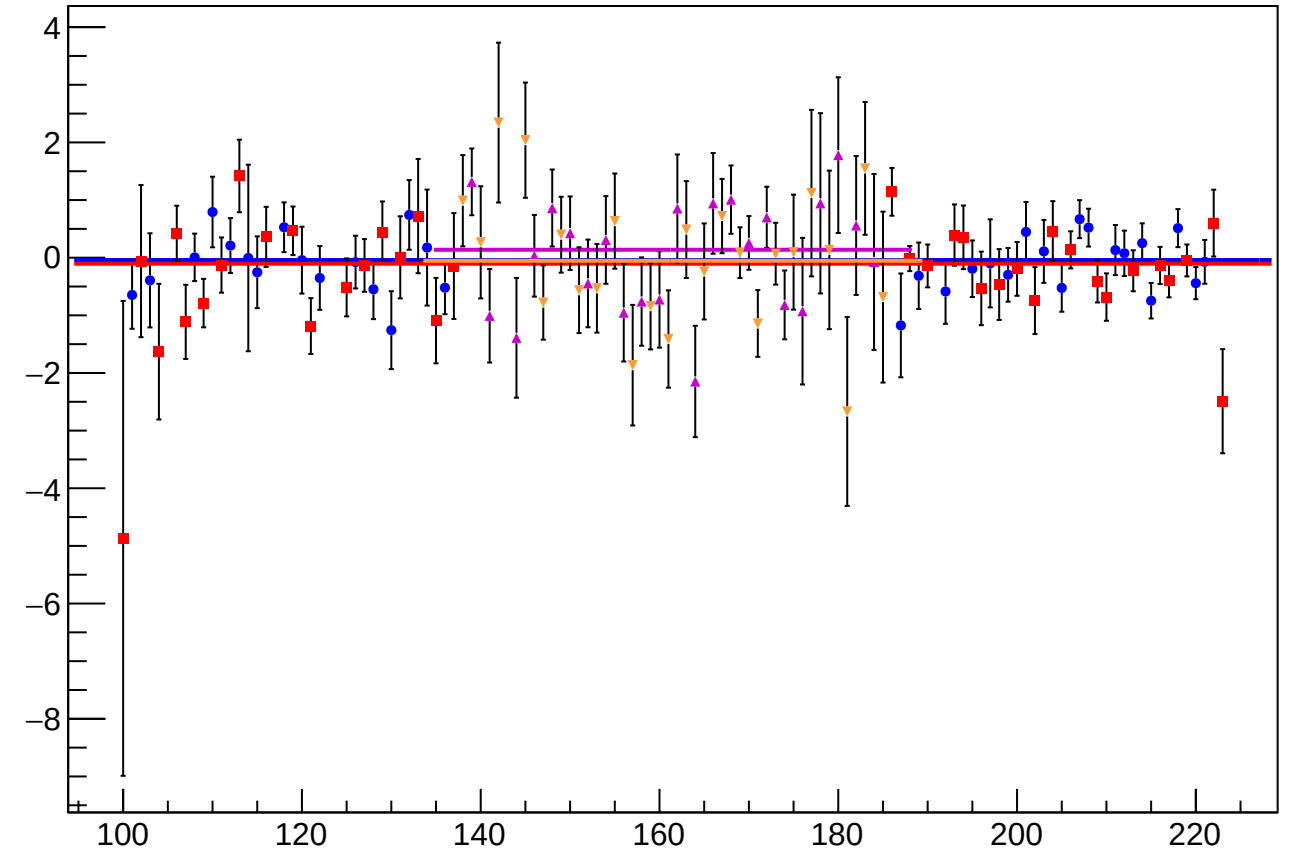
Right Out: 0.007+/-0.000 χ^2/NDF: 21242840.7/36

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.010+/-0.000 χ^2/NDF: 29601815.5/57

All: 0.009+/-0.000 χ^2/NDF: 64814707.9/117

- sign 0.008+/-0.000 χ^2/NDF: 34055911.8/59



Right In: -0.041+/-0.079 χ^2/NDF: 36.8/33

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

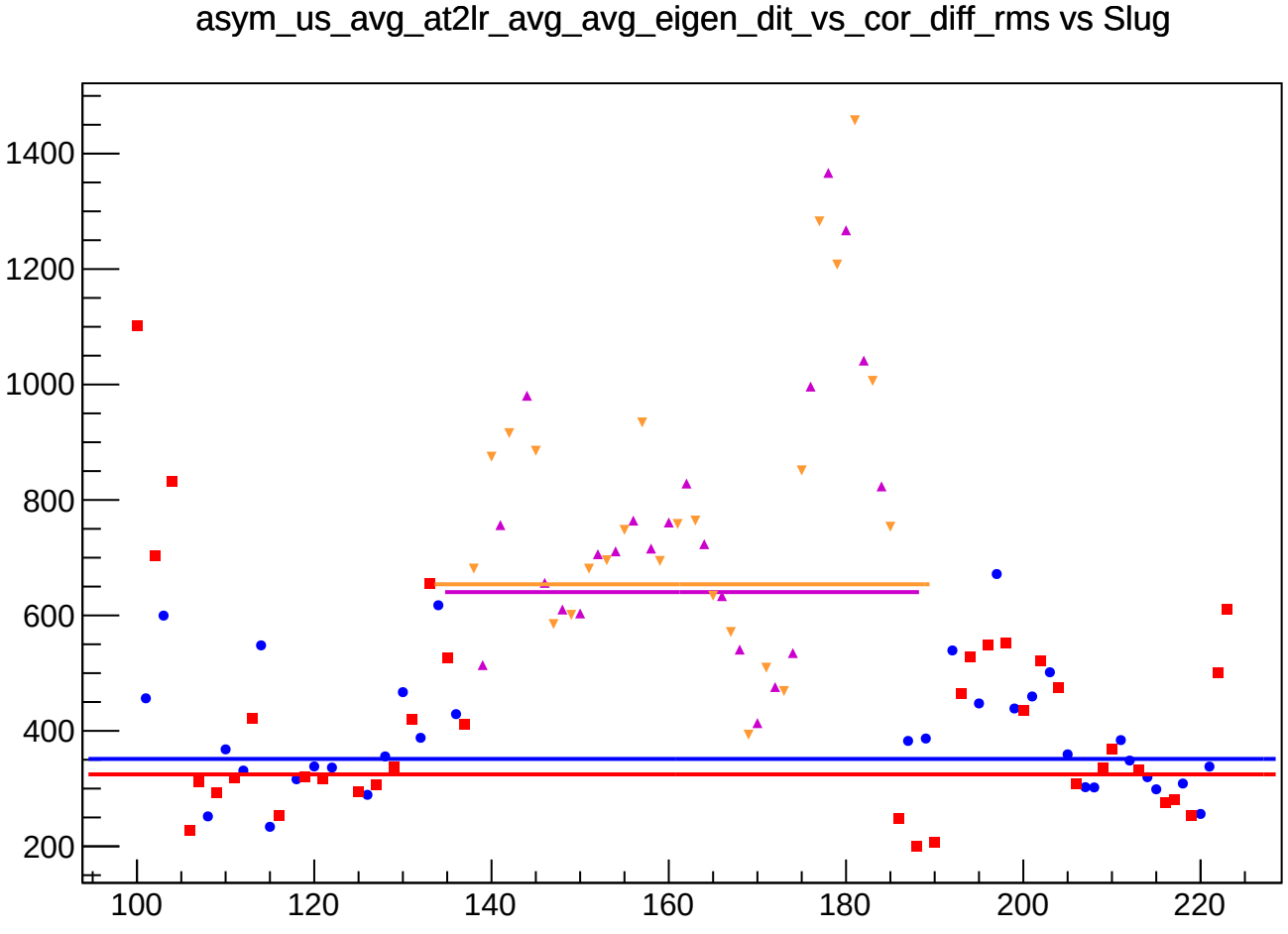
Right Out: -0.104+/-0.075 χ^2/NDF: 53.9/36

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

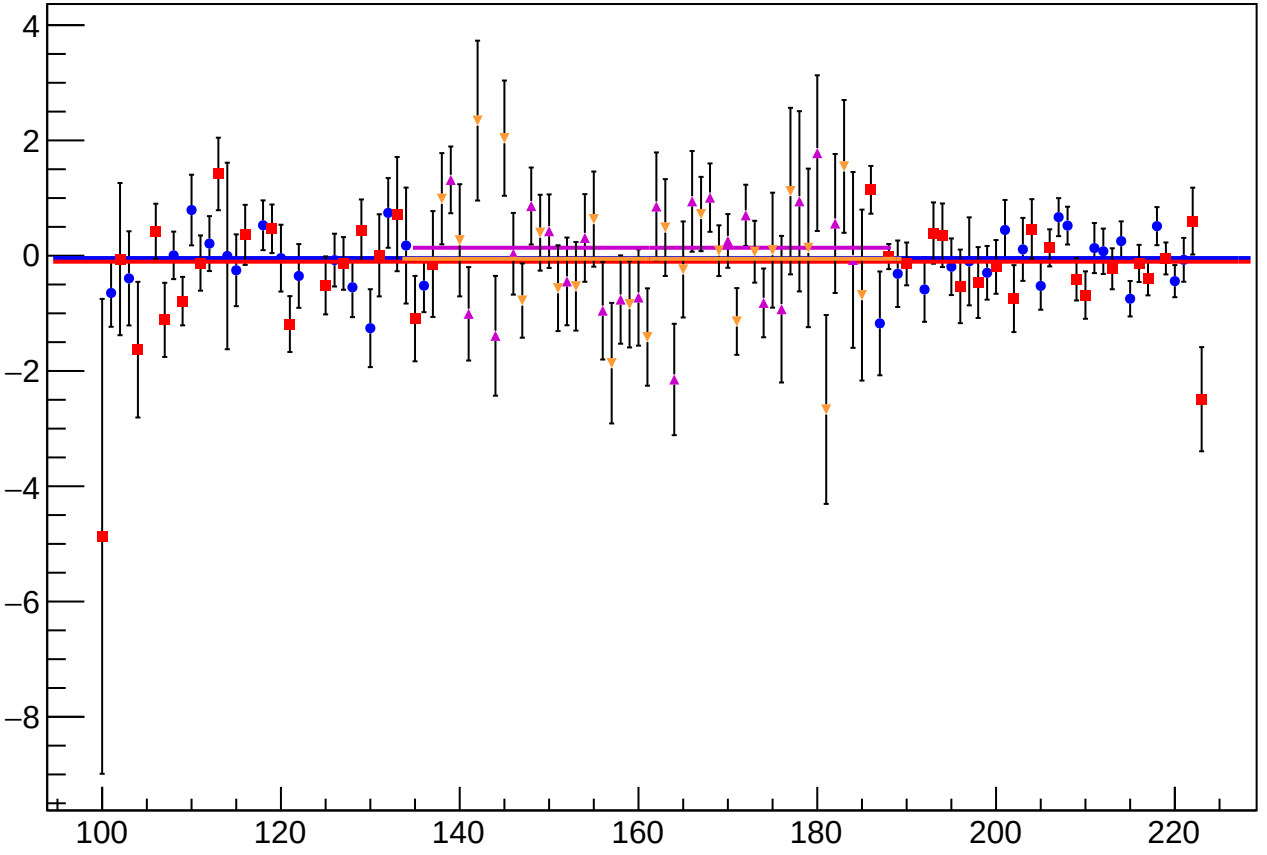
+ sign -0.043+/-0.071 χ^2/NDF: 66.9/57

All: -0.052+/-0.049 χ^2/NDF: 152.7/117

- sign -0.060+/-0.068 χ^2/NDF: 85.7/59


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 351.382+/-0.056 χ²/NDF: 2204823.1/33
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 324.625+/-0.053 χ²/NDF: 4229679.3/36
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 409.922+/-0.050 χ²/NDF: 11002530.1/57
All: 395.516+/-0.035 χ²/NDF: 24573764.7/11
- sign 382.459+/-0.048 χ²/NDF: 13414118.7/59

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.041+/-0.079 χ^2/NDF: 36.8/33

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

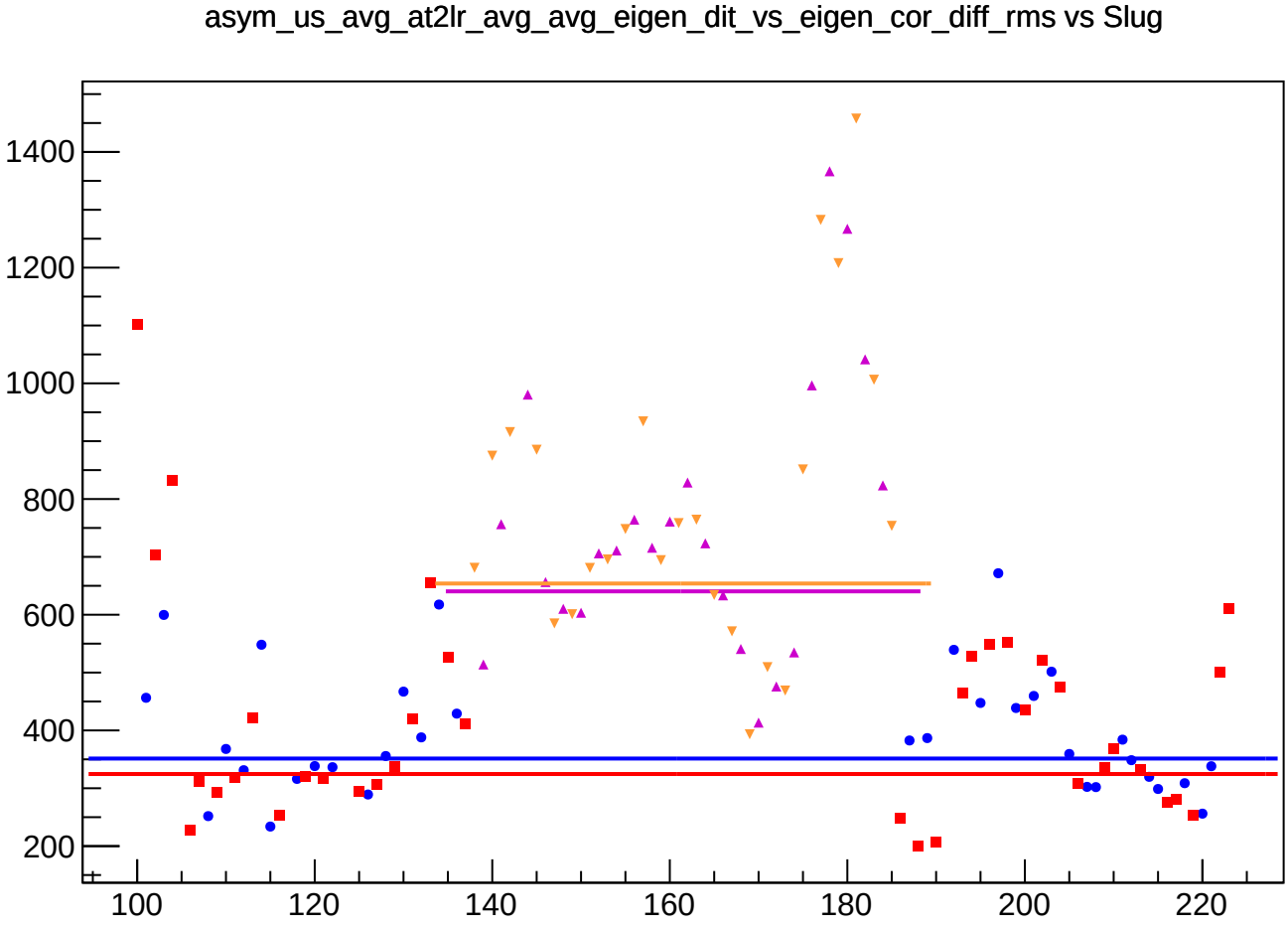
Right Out: -0.104+/-0.075 χ^2/NDF: 53.9/36

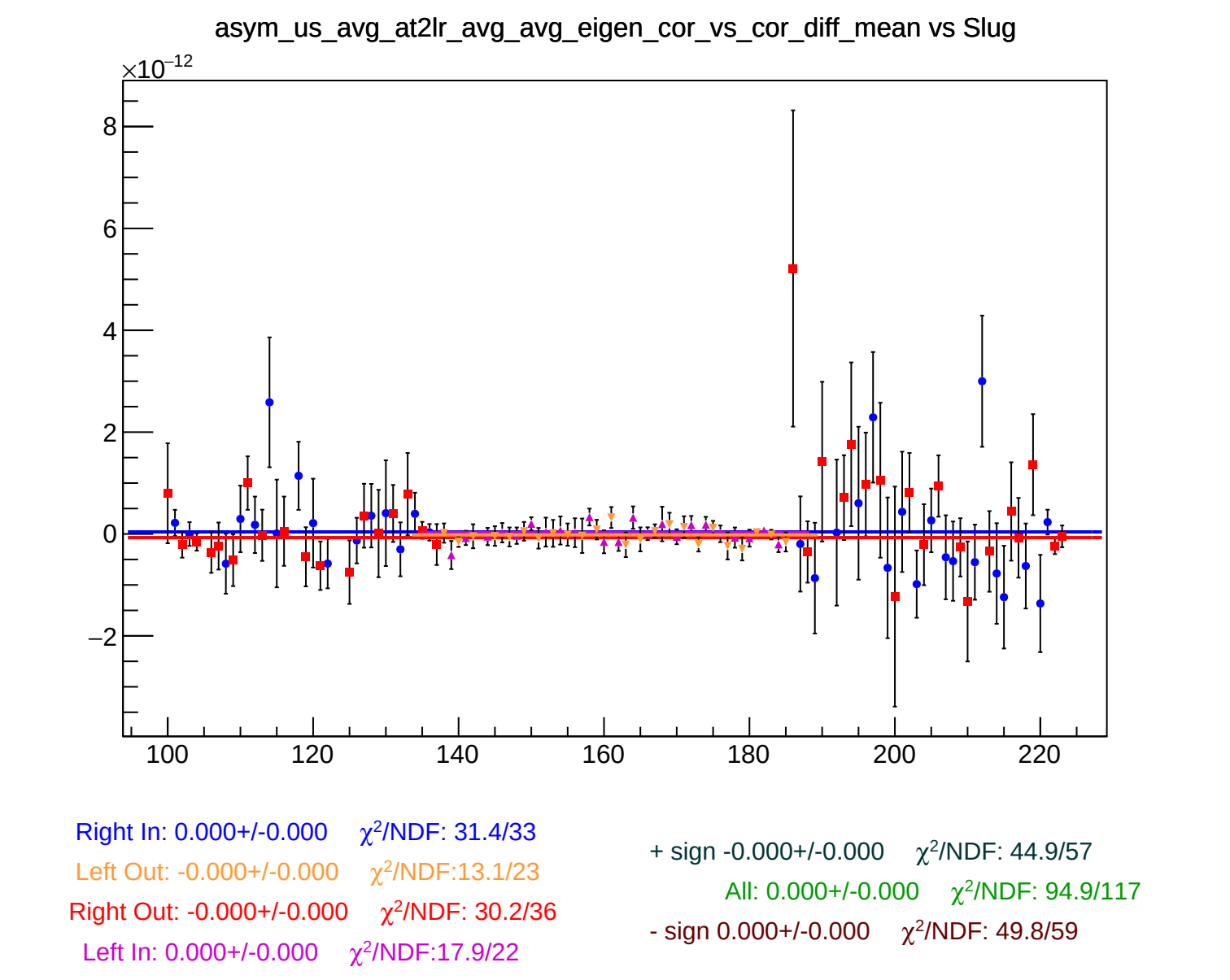
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

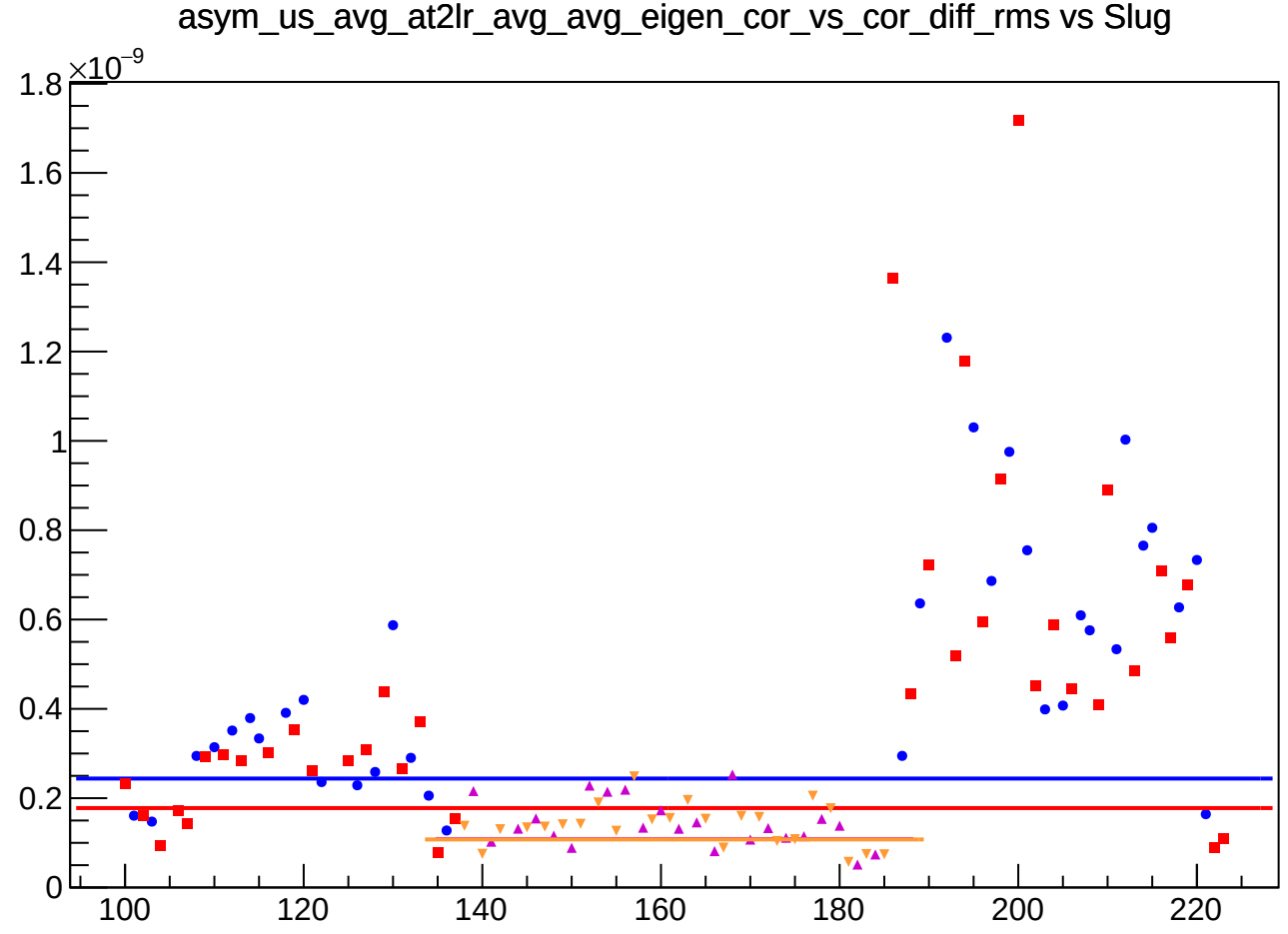
+ sign -0.043+/-0.071 χ^2/NDF: 66.9/57

All: -0.052+/-0.049 χ^2/NDF: 152.7/117

- sign -0.060+/-0.068 χ^2/NDF: 85.7/59


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 351.382+/-0.056 χ²/NDF: 2204823.1/33
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 324.625+/-0.053 χ²/NDF: 4229679.3/36
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 409.922+/-0.050 χ²/NDF: 11002530.1/57
All: 395.516+/-0.035 χ²/NDF: 24573764.7/11
- sign 382.459+/-0.048 χ²/NDF: 13414118.7/59


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
220
Right In: 0.000+/-0.000 χ2/NDF: 31.4/33
Left Out: -0.000+/-0.000 χ2/NDF:13.1/23
Right Out: -0.000+/-0.000 χ2/NDF: 30.2/36
Left In: 0.000+/-0.000 χ2/NDF:17.9/22
+ sign -0.000+/-0.000 χ2/NDF: 44.9/57
All: 0.000+/-0.000 χ2/NDF: 94.9/117
- sign 0.000+/-0.000 χ2/NDF: 49.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 9452255.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11126940.5/36

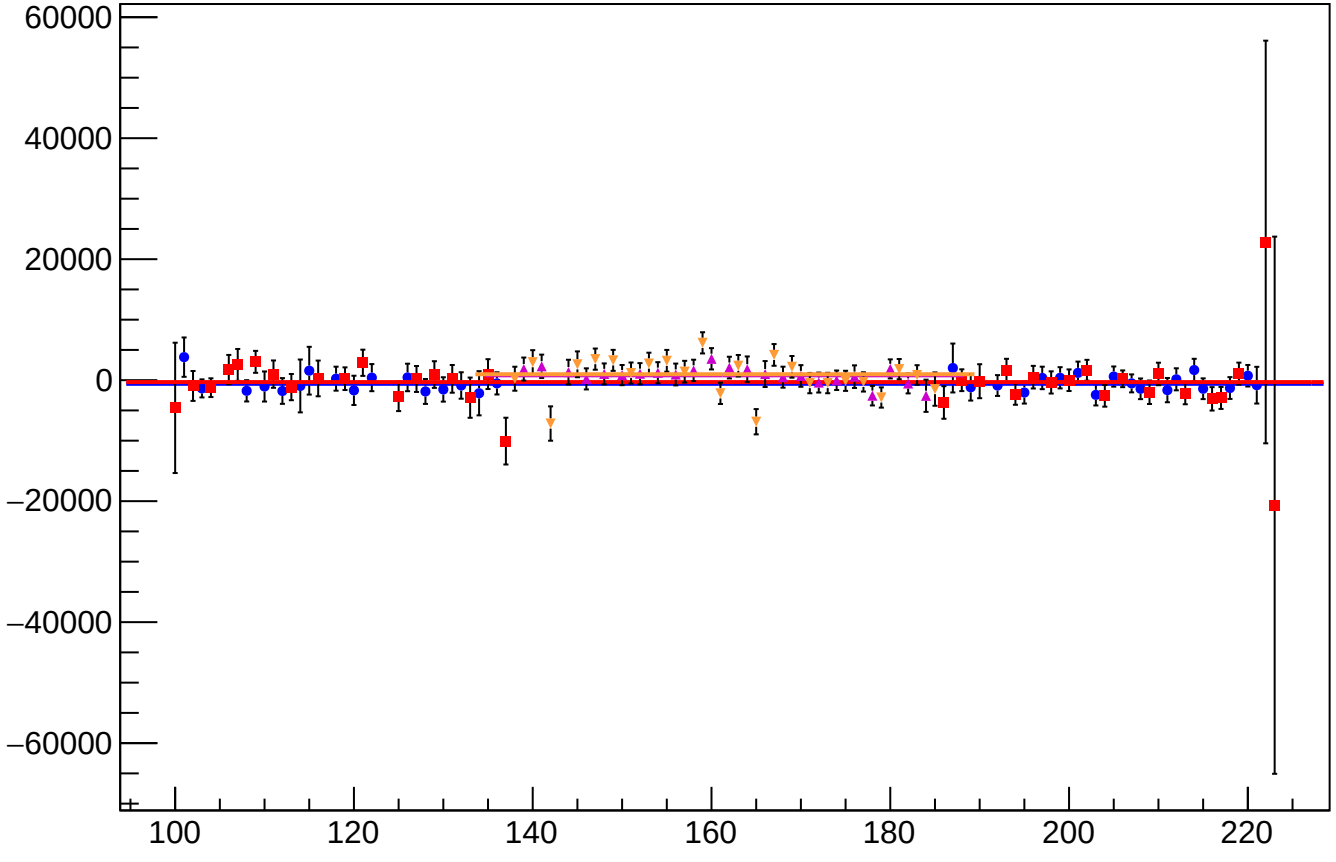
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17532229.0/57

All: 0.000+/-0.000 χ^2/NDF: 34264169.9/117

- sign 0.000+/-0.000 χ^2/NDF: 16713280.5/59

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -601.790+/-343.950 χ^2/NDF: 12.2/33

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -316.002+/-346.910 χ^2/NDF: 32.2/36

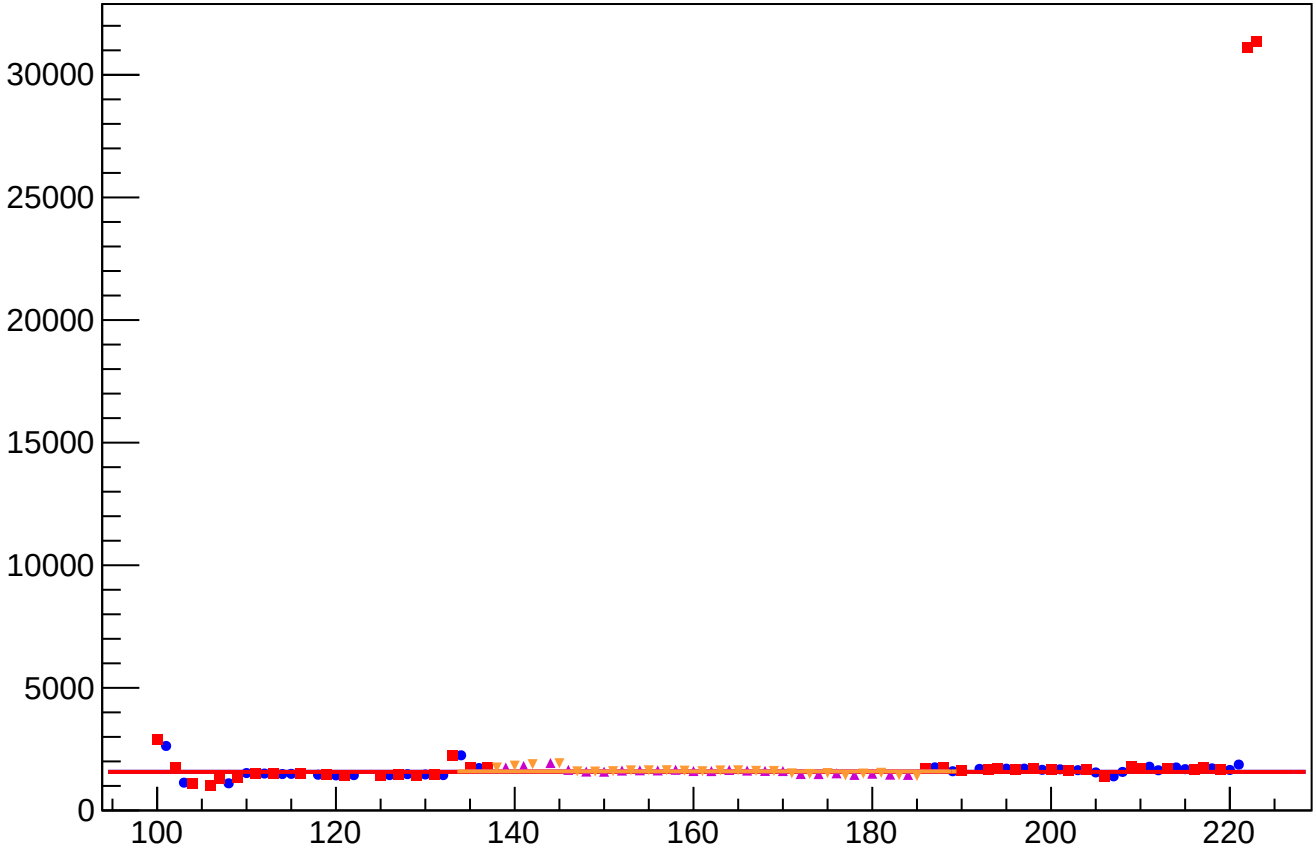
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 130.429+/-252.181 χ^2/NDF: 77.5/57

All: 165.823+/-179.085 χ^2/NDF: 127.1/117

- sign 201.831+/-254.361 χ^2/NDF: 49.5/59

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1575.896+/-0.243 χ^2/NDF: 825073.8/33

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

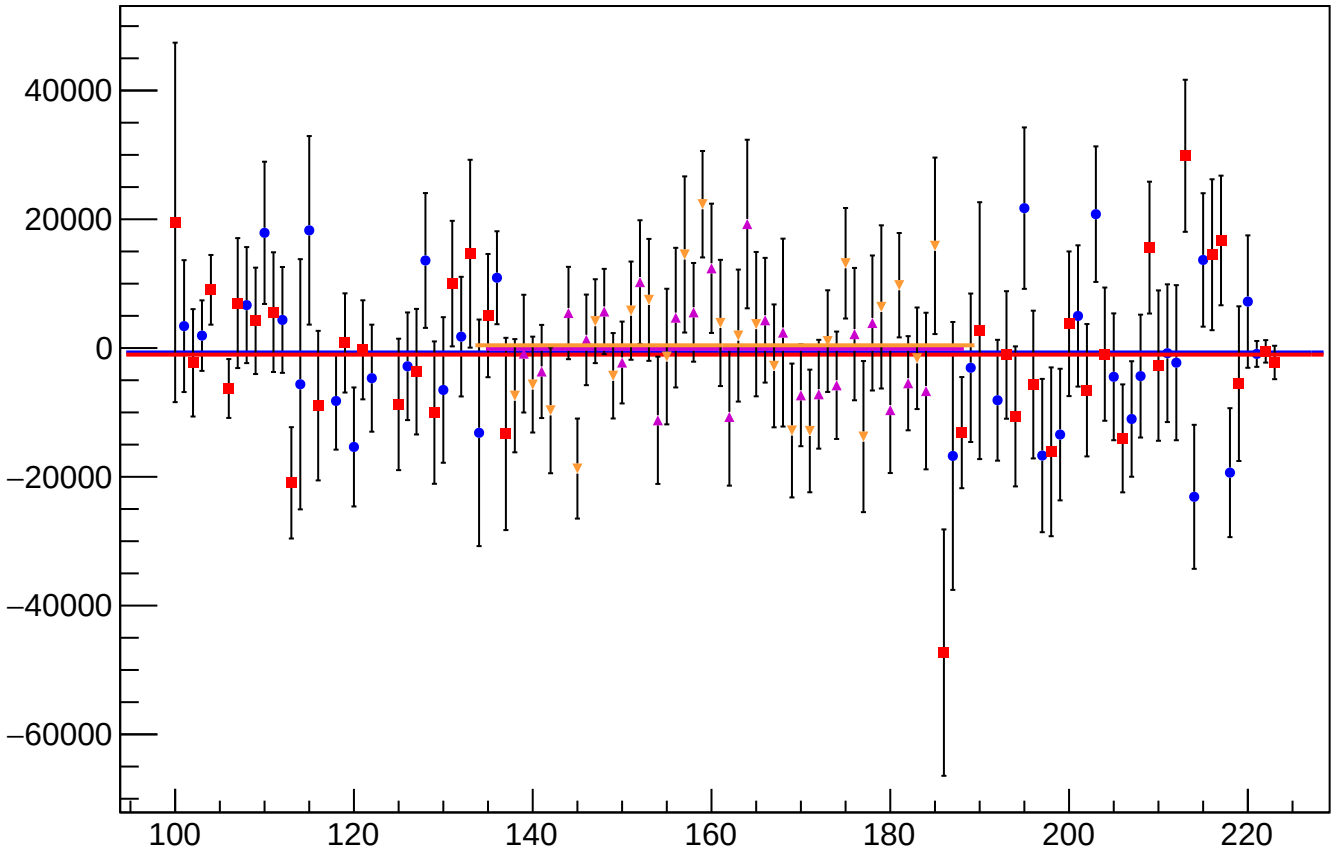
Right Out: 1572.372+/-0.245 χ^2/NDF: 3205781.5/36

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1584.028+/-0.178 χ^2/NDF: 1015105.4/57

All: 1584.133+/-0.127 χ^2/NDF: 4395153.1/11

- sign 1584.239+/-0.180 χ^2/NDF: 3380047.1/59



Right In: -686.563+/-1302.386 χ^2/NDF: 39.0/33

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -1021.135+/-1076.219 χ^2/NDF: 45.3/36

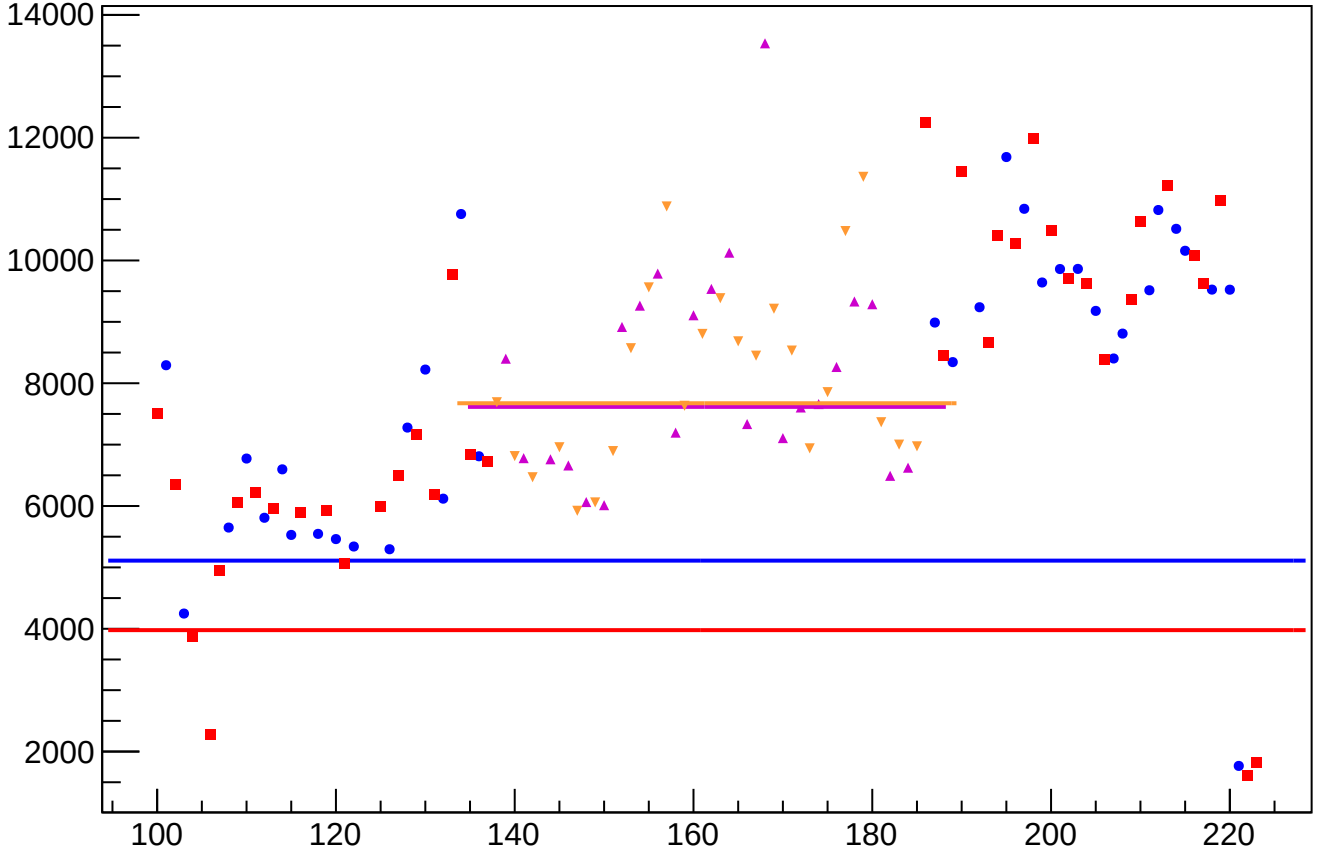
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign -309.513+/-1059.114 χ^2/NDF: 68.6/57

All: -580.970+/-696.991 χ^2/NDF: 128.1/117

- sign -788.342+/-925.691 χ^2/NDF: 59.4/59

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5110.313+/-0.921 χ^2/NDF: 12651190.4/33

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 3977.925+/-0.761 χ^2/NDF: 17107502.7/36

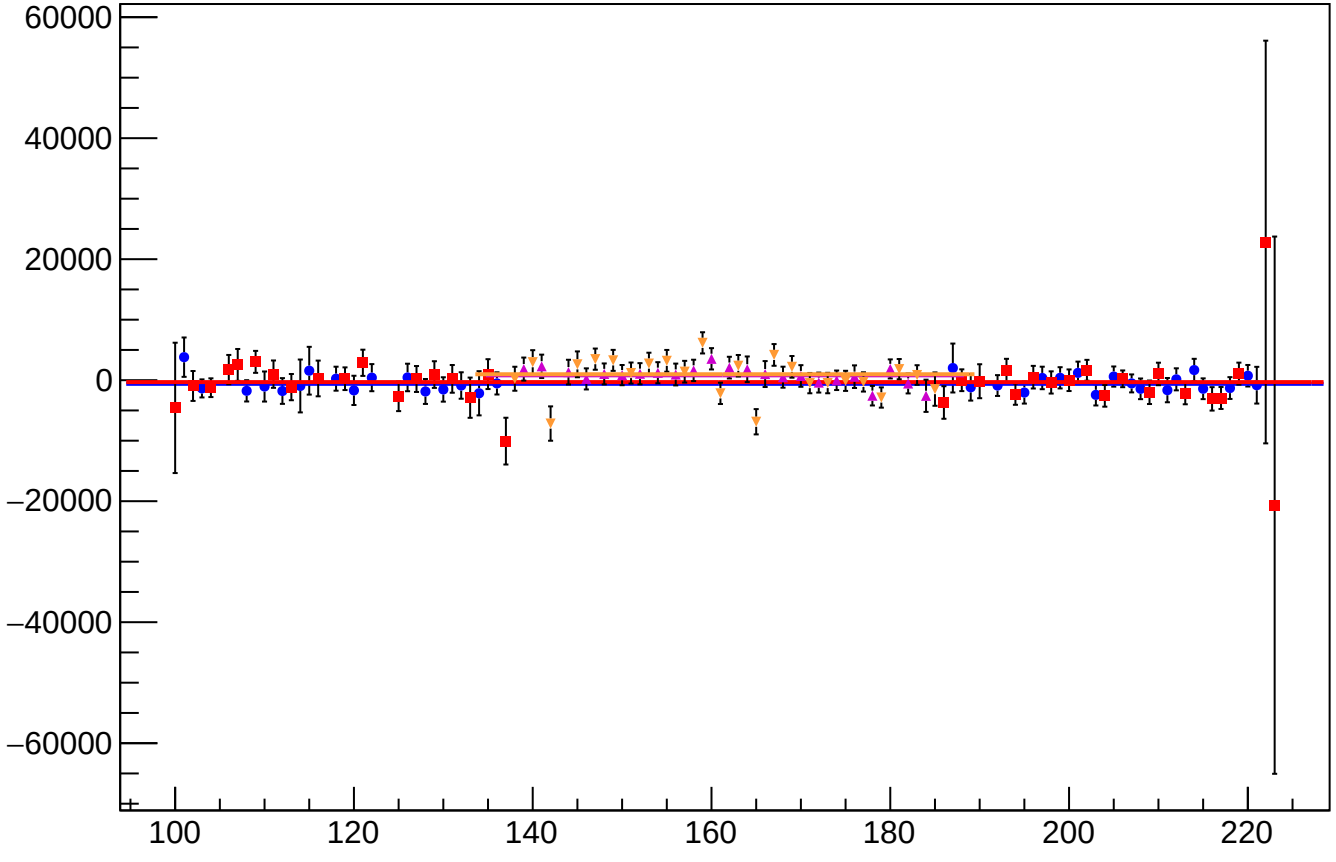
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 5978.625+/-0.749 χ^2/NDF: 16352737.5/57

All: 5380.841+/-0.493 χ^2/NDF: 41751363.4/1

- sign 4924.183+/-0.655 χ^2/NDF: 24274767.6/59

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -601.818+/-343.950 χ^2/NDF: 12.2/33

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -316.021+/-346.910 χ^2/NDF: 32.2/36

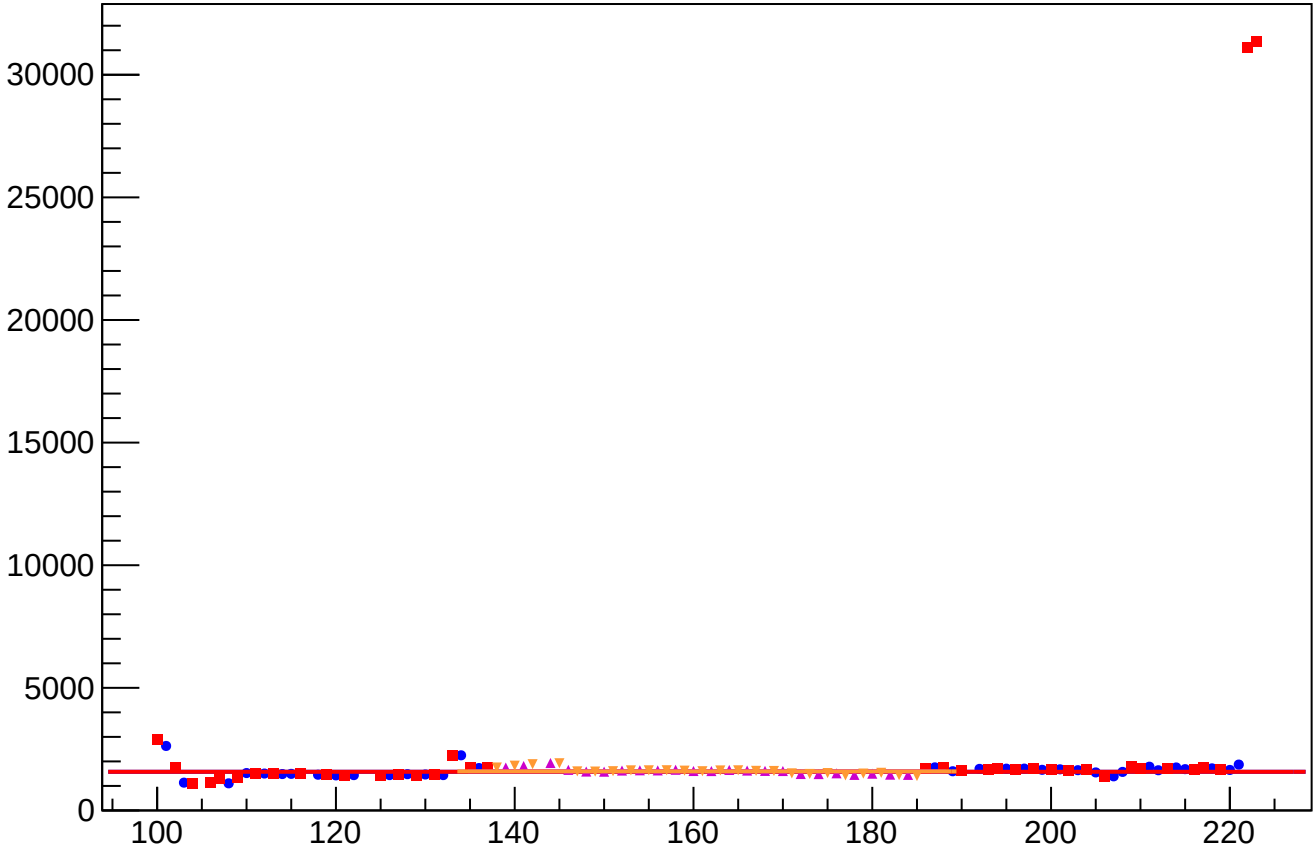
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 130.453+/-252.181 χ^2/NDF: 77.5/57

All: 165.801+/-179.085 χ^2/NDF: 127.1/117

- sign 201.762+/-254.361 χ^2/NDF: 49.5/59

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1575.896+/-0.243 χ^2/NDF: 825074.2/33

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

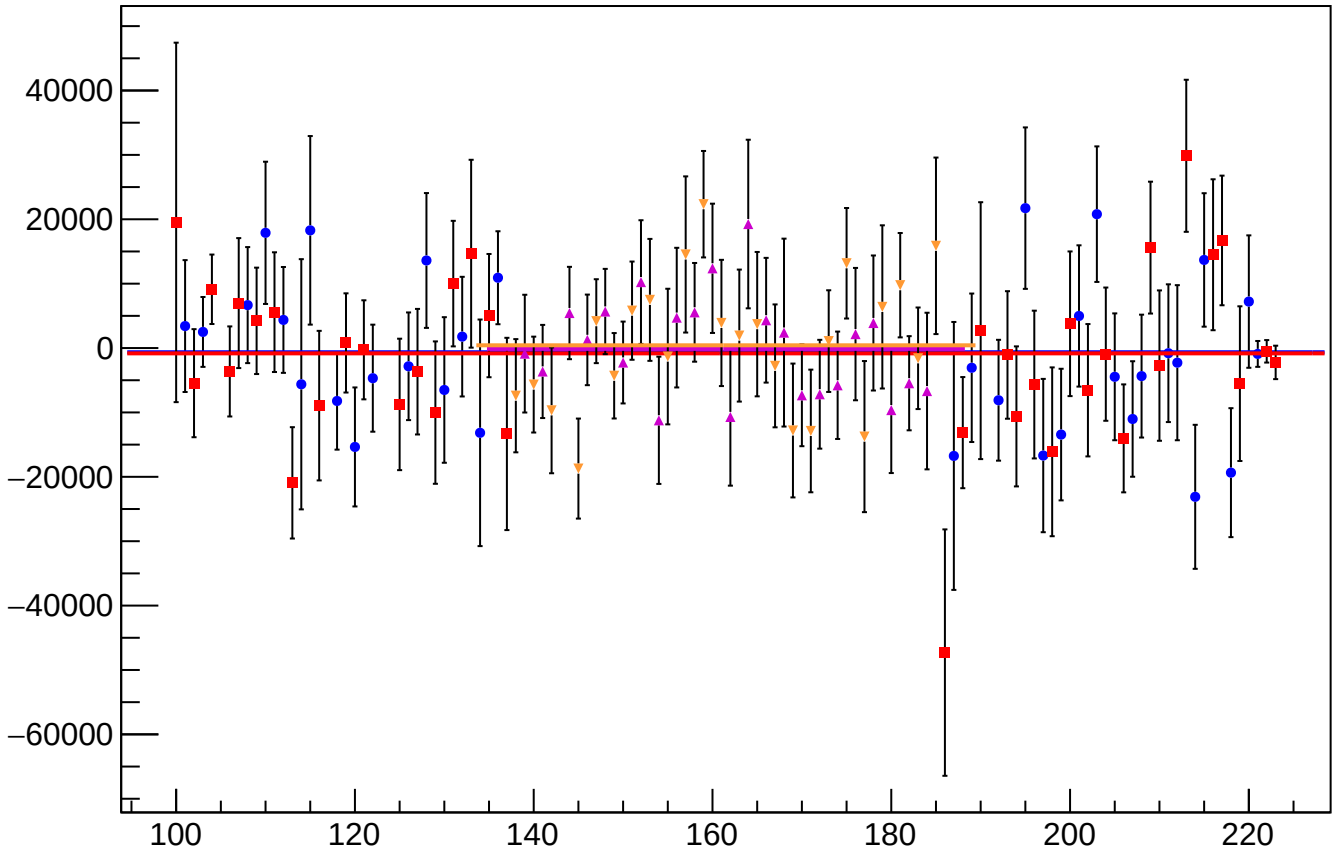
Right Out: 1576.916+/-0.245 χ^2/NDF: 3147899.8/36

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1584.028+/-0.178 χ^2/NDF: 1015105.8/57

All: 1585.358+/-0.127 χ^2/NDF: 4335732.9/11

- sign 1586.710+/-0.180 χ^2/NDF: 3320514.9/59



Right In: -651.121+/-1301.585 χ^2/NDF: 39.1/33

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: -826.324+/-1093.705 χ^2/NDF: 44.5/36

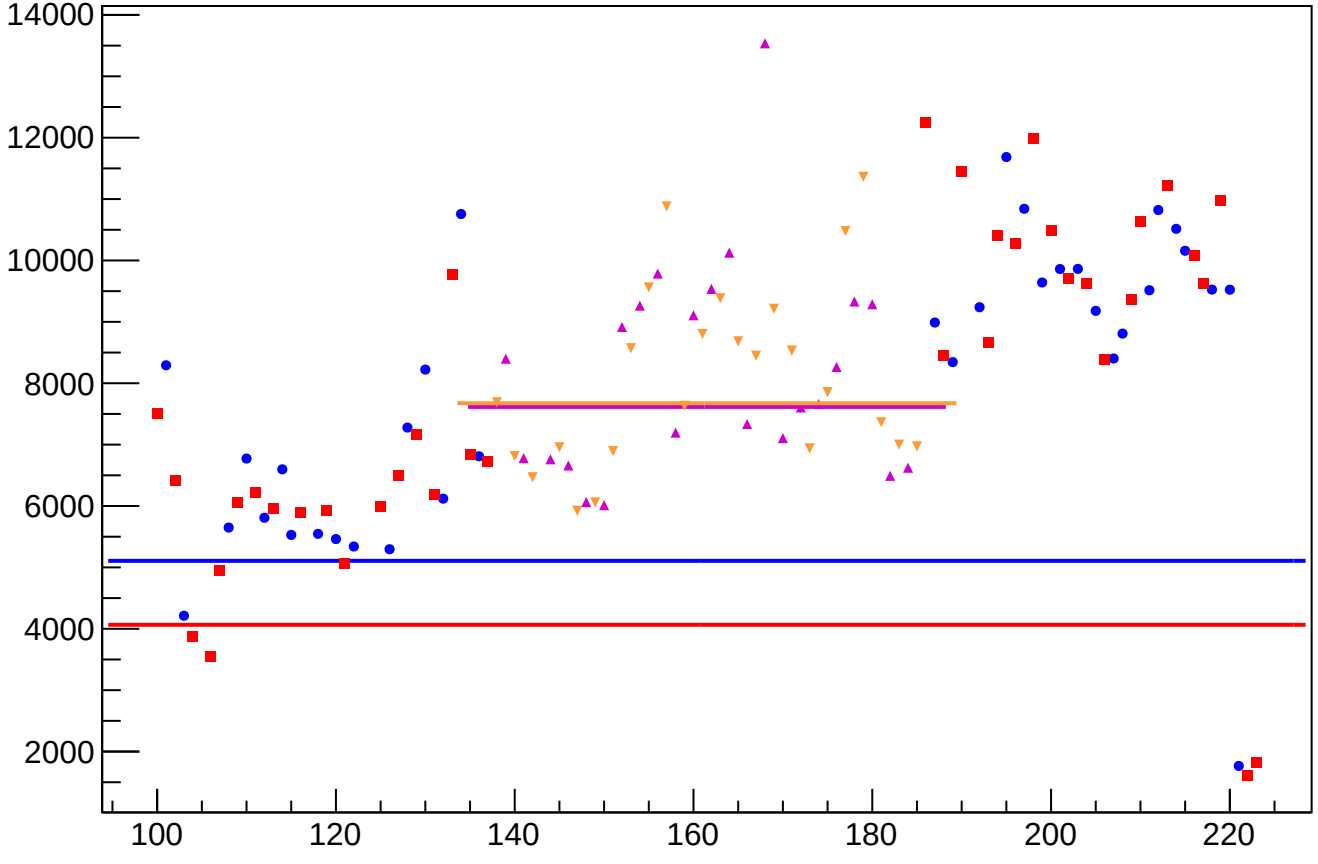
Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -286.371+/-1058.683 χ^2/NDF: 68.7/57

All: -484.625+/-701.548 χ^2/NDF: 127.2/117

- sign -639.841+/-936.748 χ^2/NDF: 58.4/59

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 5106.716+/-0.920 χ^2/NDF: 12659271.9/33

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 4064.999+/-0.773 χ^2/NDF: 16829924.8/36

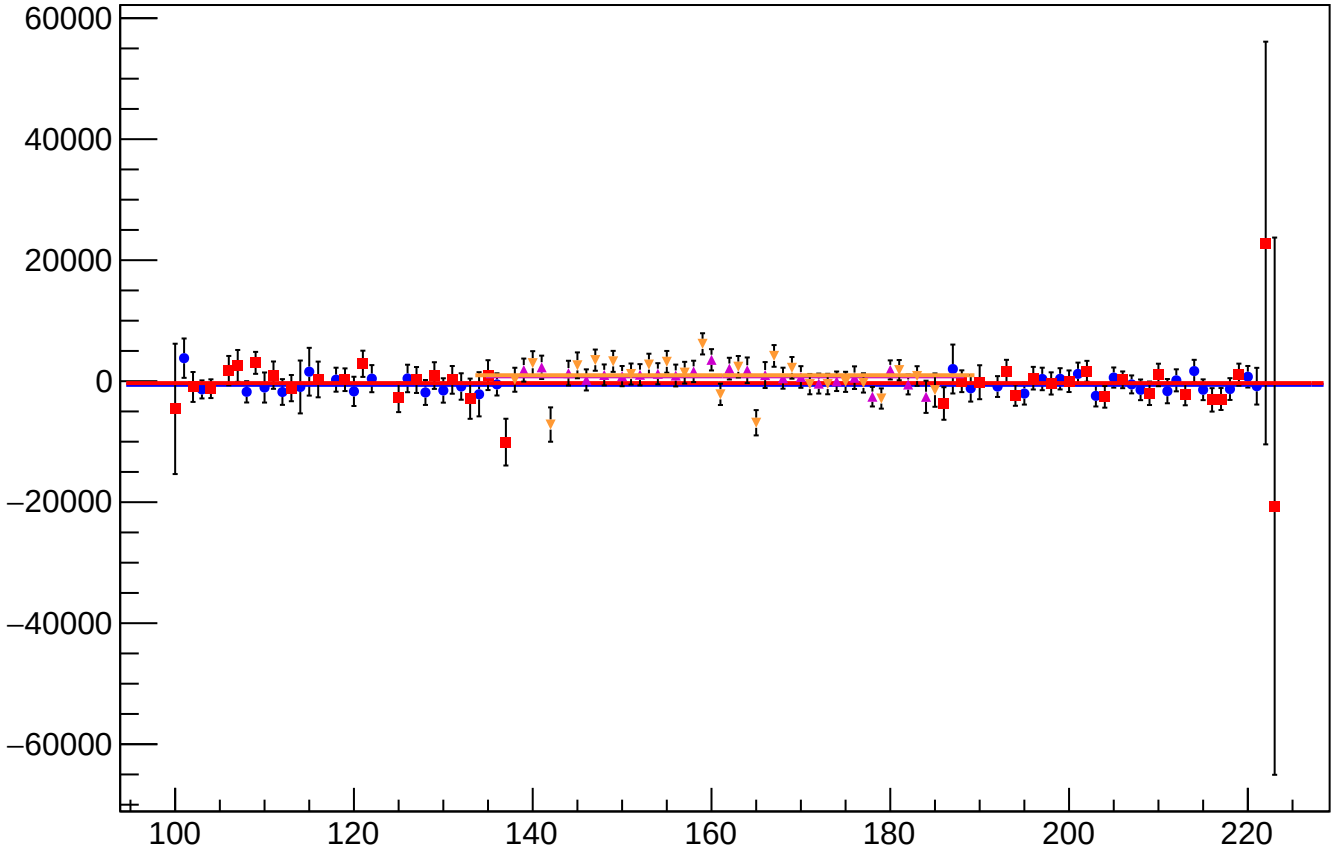
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 5975.539+/-0.749 χ^2/NDF: 16369289.2/57

All: 5434.435+/-0.496 χ^2/NDF: 40968989.5/1

- sign 5010.797+/-0.662 χ^2/NDF: 23668184.6/59

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -601.818+/-343.950 χ^2/NDF: 12.2/33

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

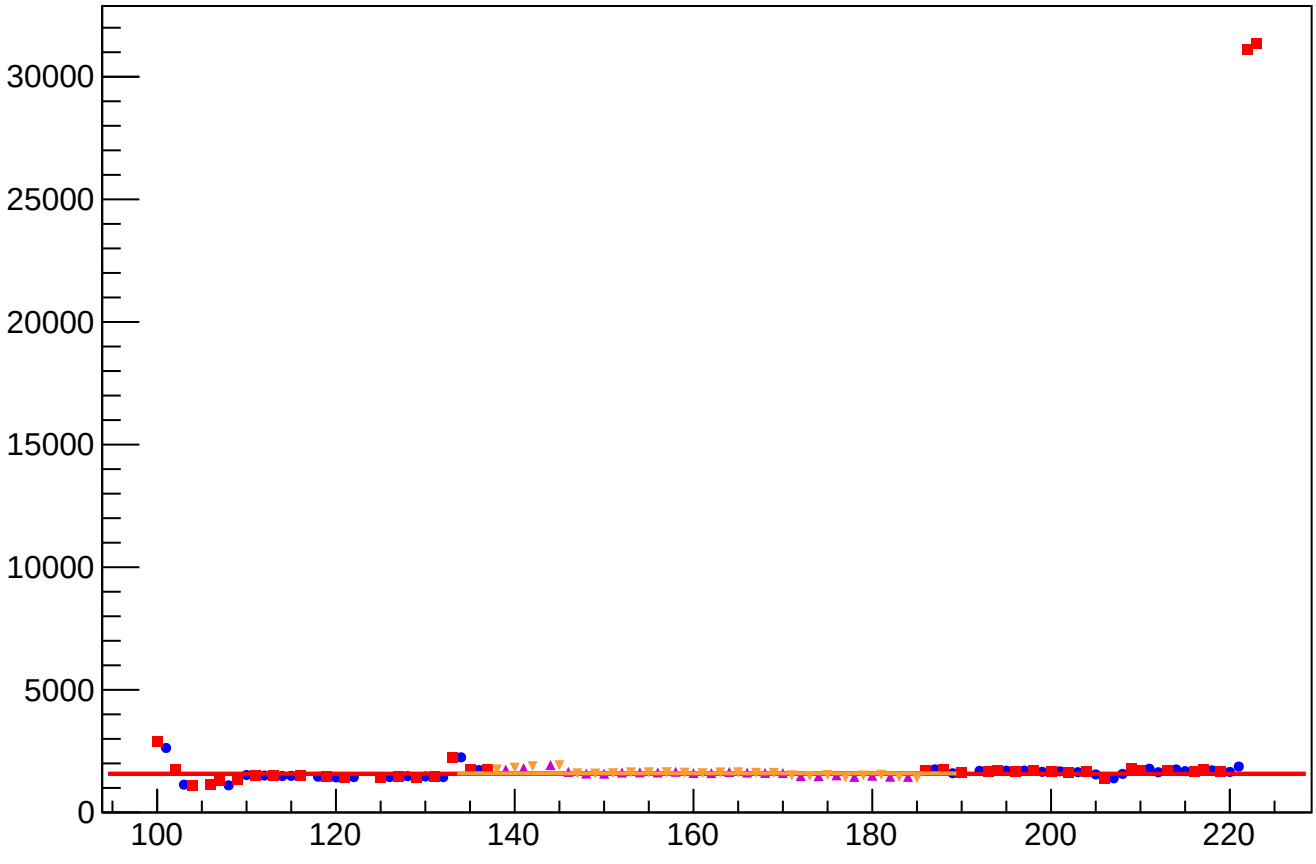
Right Out: -316.021+/-346.910 χ^2/NDF: 32.2/36

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 130.453+/-252.181 χ^2/NDF: 77.5/57

All: 165.801+/-179.085 χ^2/NDF: 127.1/117

- sign 201.762+/-254.361 χ^2/NDF: 49.5/59



Right In: 1575.896+/-0.243 χ^2/NDF: 825074.2/33

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

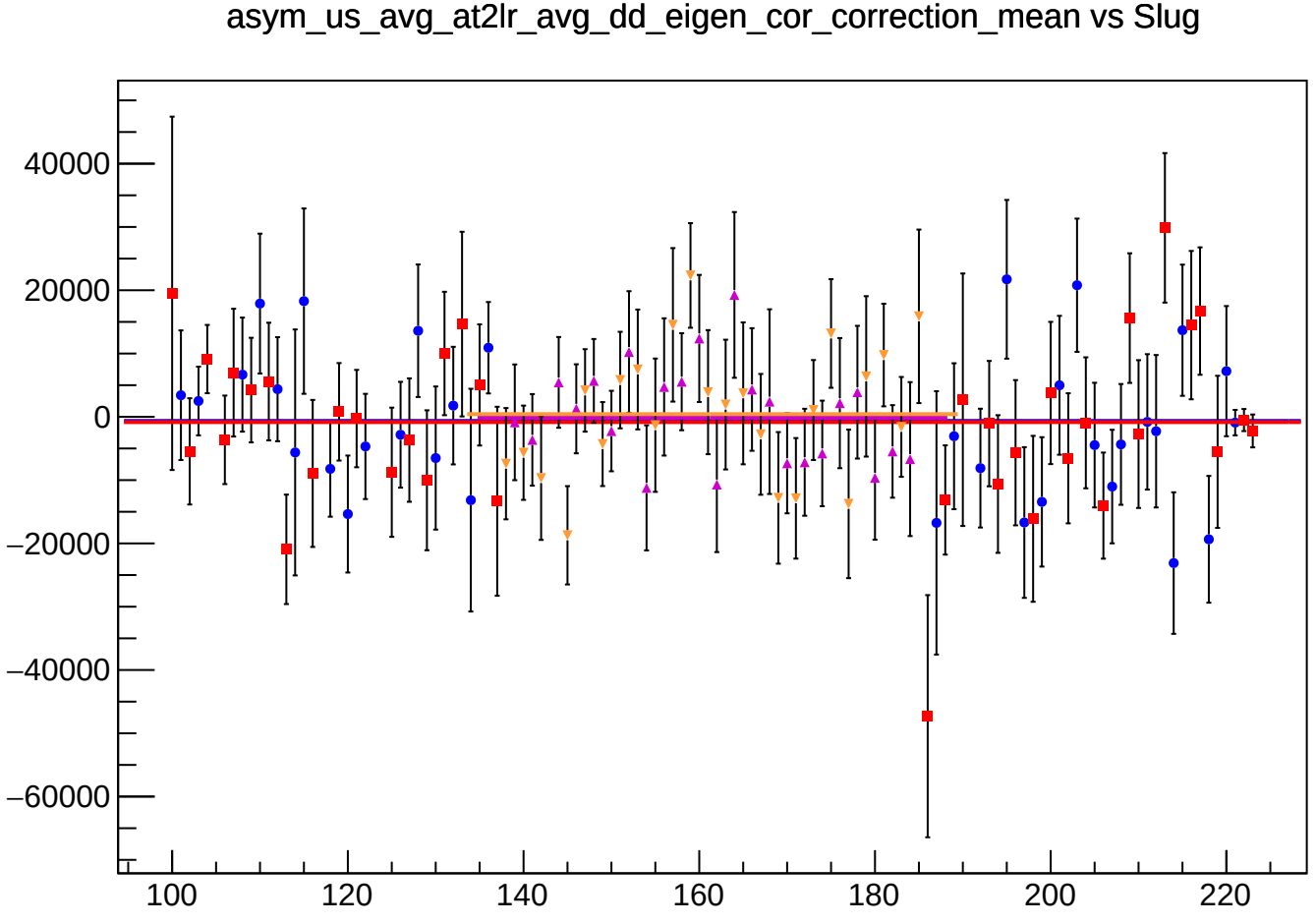
Right Out: 1576.916+/-0.245 χ^2/NDF: 3147899.8/36

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1584.028+/-0.178 χ^2/NDF: 1015105.8/57

All: 1585.358+/-0.127 χ^2/NDF: 4335732.9/11

- sign 1586.710+/-0.180 χ^2/NDF: 3320514.9/59



Right In: -651.121+/-1301.585 χ^2/NDF: 39.1/33

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

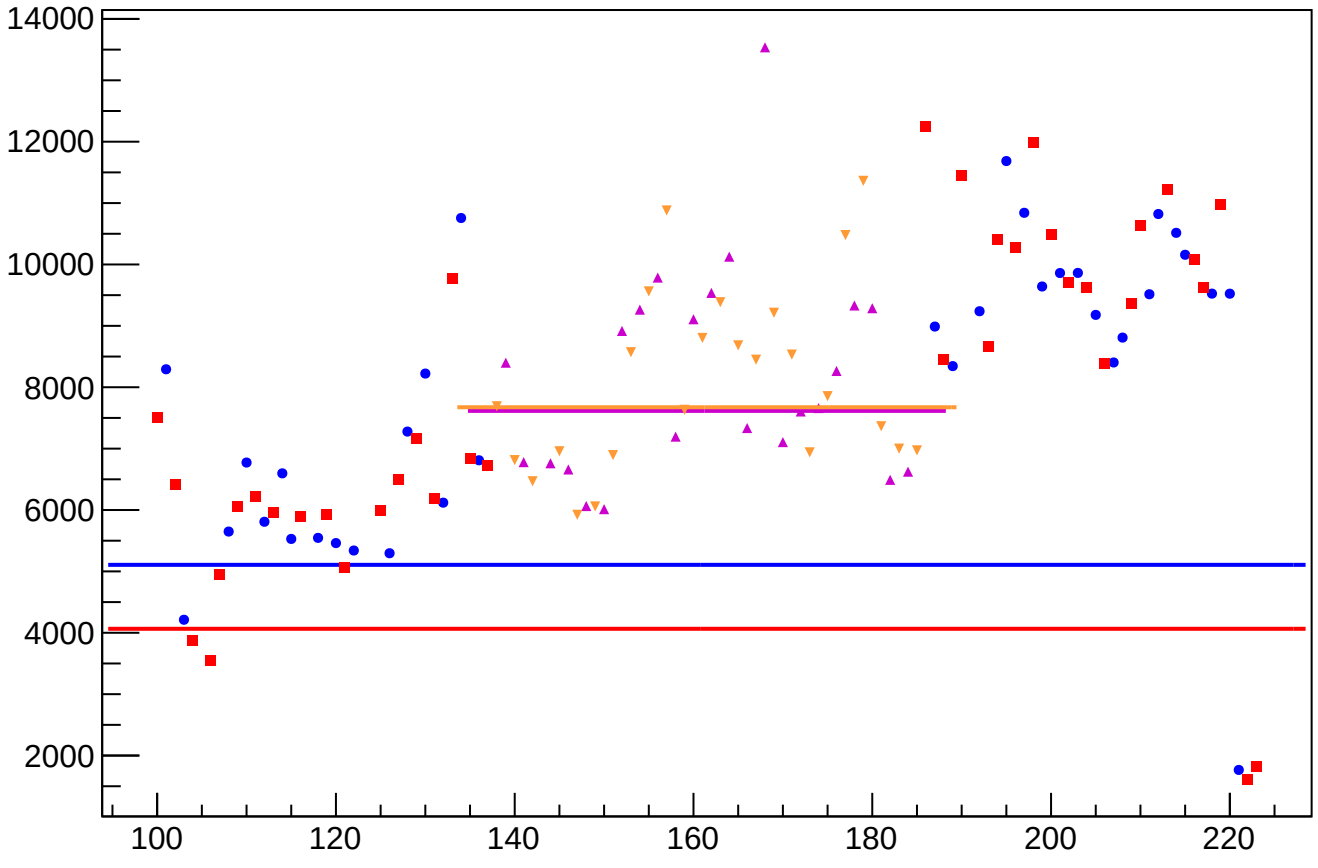
Right Out: -826.324+/-1093.705 χ^2/NDF: 44.5/36

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -286.371+/-1058.683 χ^2/NDF: 68.7/57

All: -484.625+/-701.548 χ^2/NDF: 127.2/117

- sign -639.841+/-936.748 χ^2/NDF: 58.4/59



Right In: 5106.716+/-0.920 χ^2/NDF: 12659271.9/33

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 4064.999+/-0.773 χ^2/NDF: 16829924.8/36

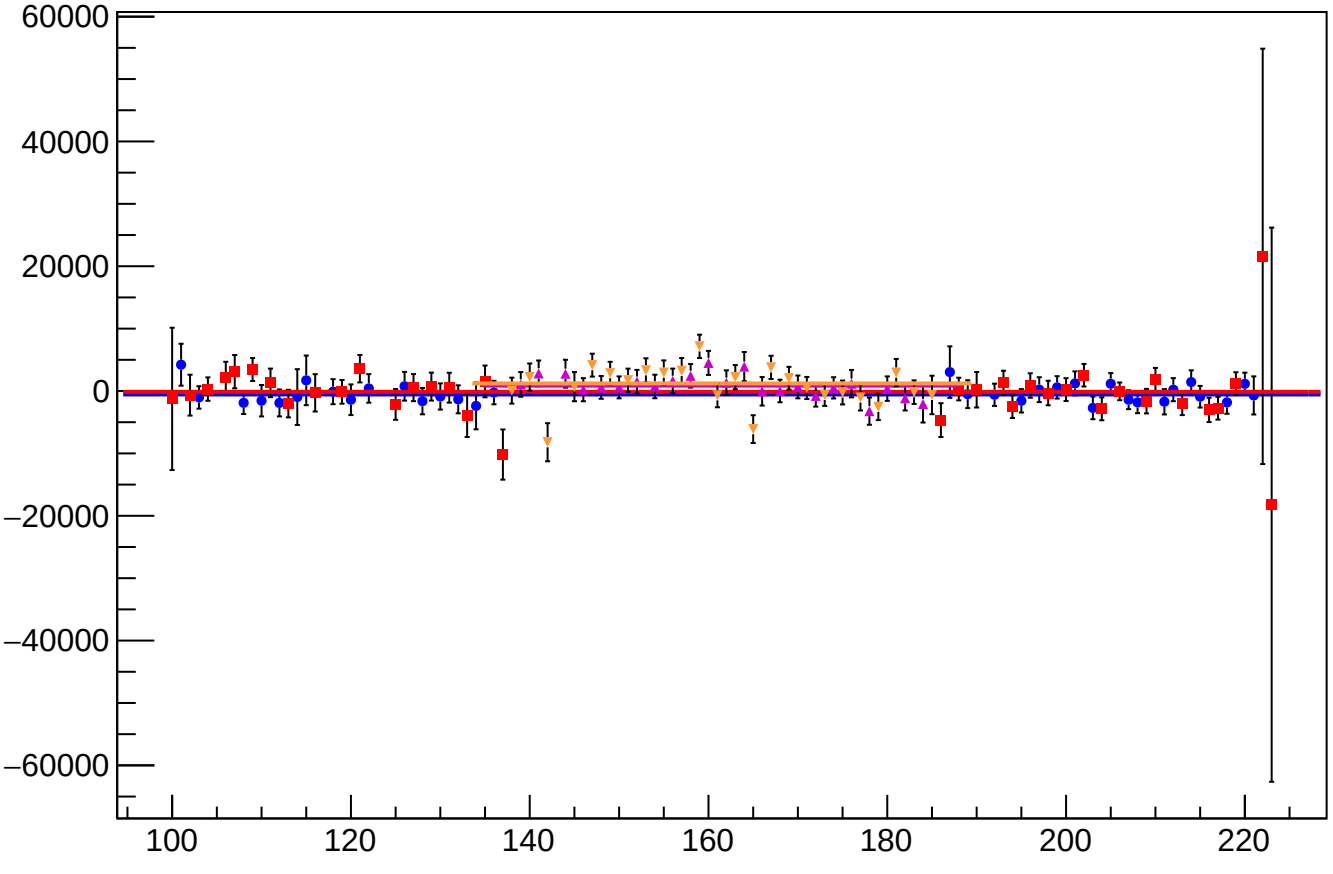
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 5975.539+/-0.749 χ^2/NDF: 16369289.2/57

All: 5434.435+/-0.496 χ^2/NDF: 40968989.5/1

- sign 5010.797+/-0.662 χ^2/NDF: 23668184.6/59

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -551.043+/-354.254 χ^2/NDF: 13.7/33

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -127.959+/-358.817 χ^2/NDF: 36.9/36

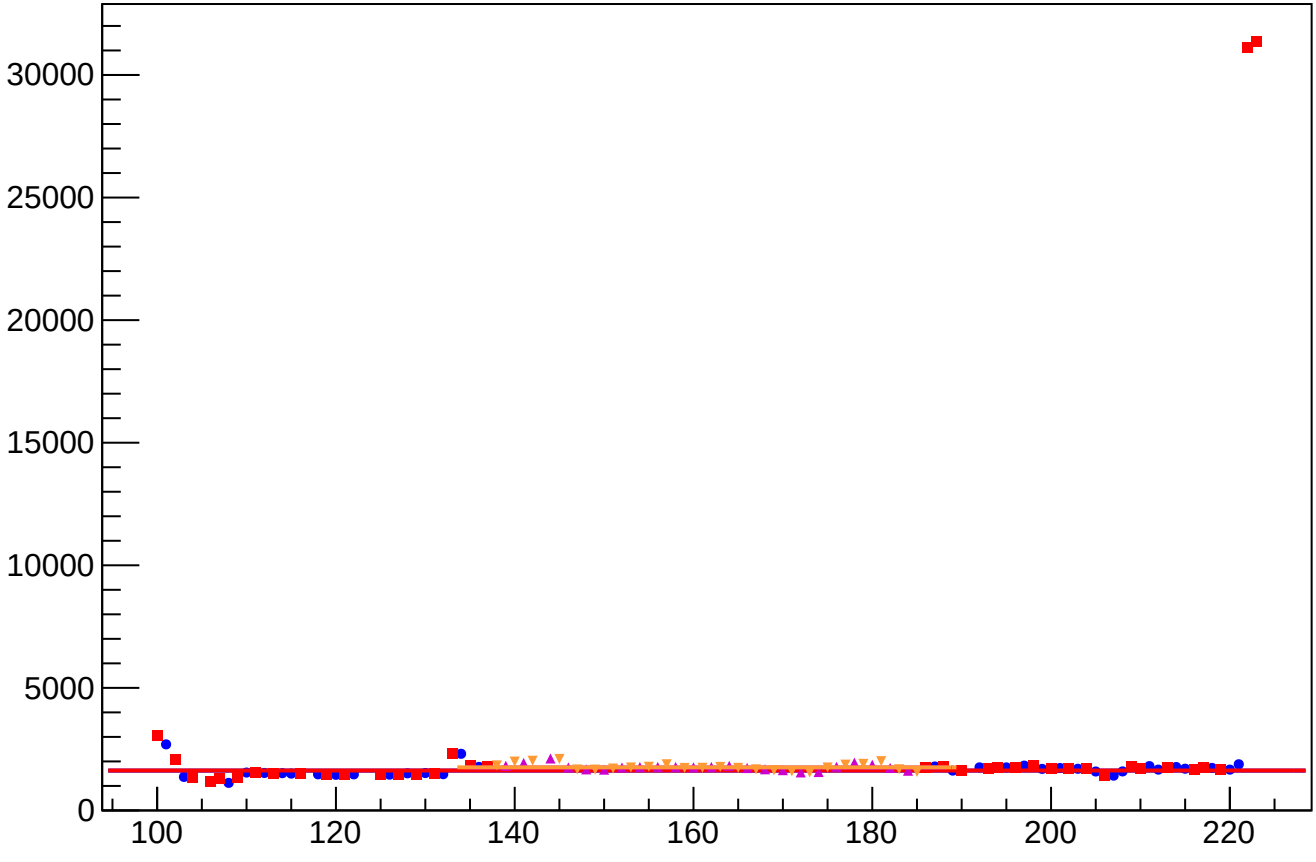
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 204.870+/-267.939 χ^2/NDF: 72.8/57

All: 253.606+/-190.195 χ^2/NDF: 128.2/117

\- sign 303.105+/-270.027 χ^2/NDF: 55.4/59

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1625.017+/-0.250 χ^2/NDF: 699609.9/33

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

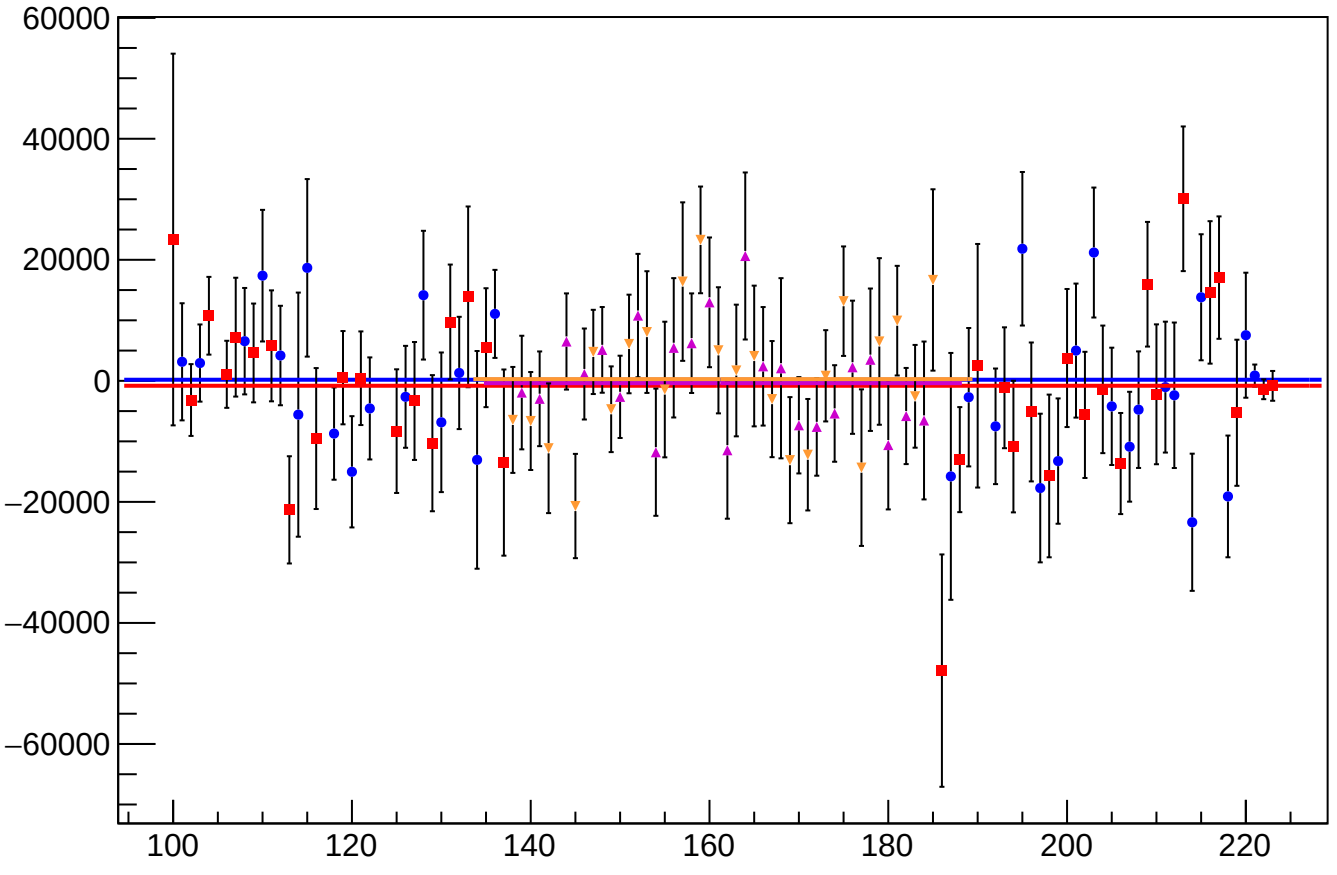
Right Out: 1629.609+/-0.254 χ^2/NDF: 3050038.8/36

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1681.911+/-0.189 χ^2/NDF: 1033438.7/57

All: 1681.965+/-0.134 χ^2/NDF: 4353793.3/11

- sign 1682.020+/-0.191 χ^2/NDF: 3320354.4/59



Right In: 182.112+/-1257.477 χ^2/NDF: 39.1/33

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: -812.360+/-1048.119 χ^2/NDF: 43.8/36

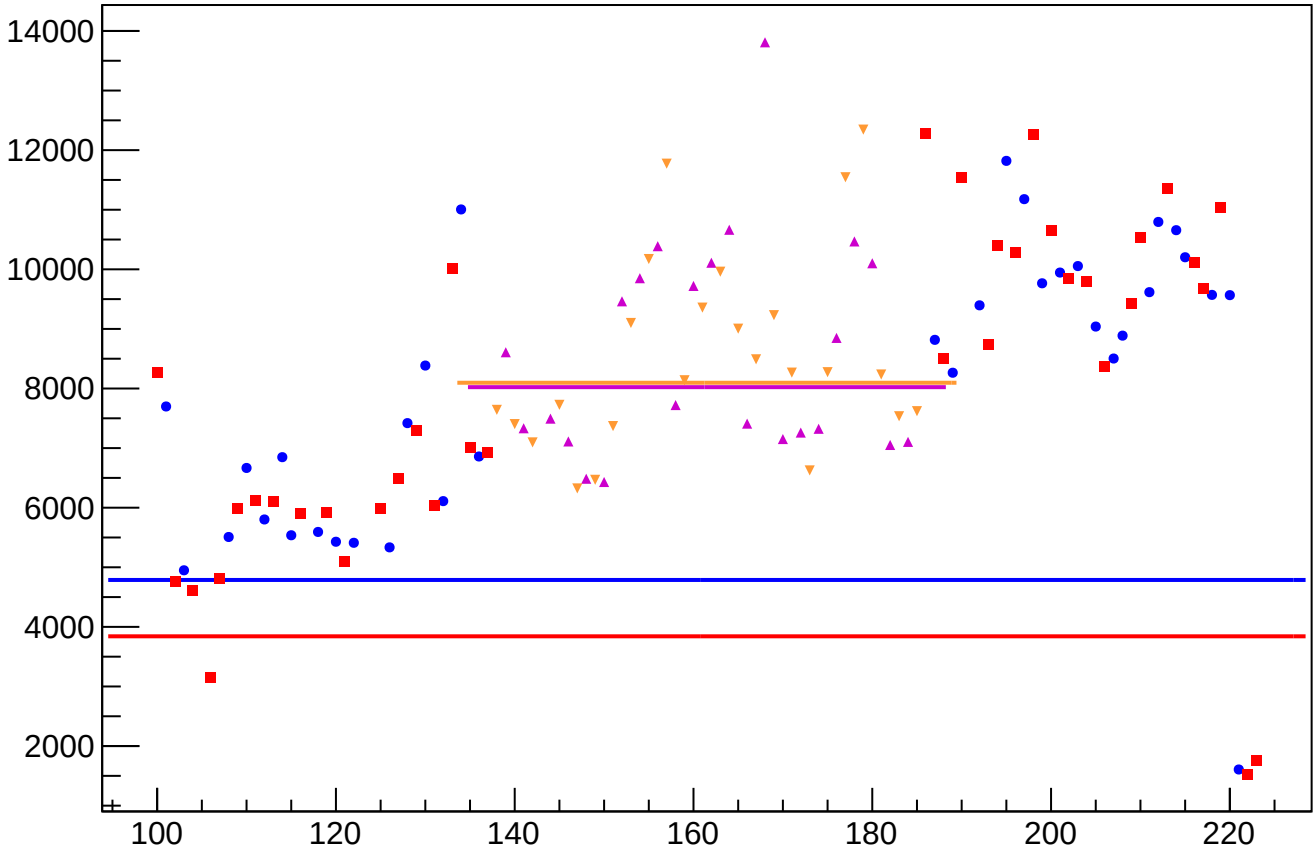
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 212.972+/-1051.967 χ^2/NDF: 67.7/57

All: -312.195+/-692.152 χ^2/NDF: 125.6/117

- sign -713.102+/-919.127 χ^2/NDF: 57.4/59

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 4787.342+/-0.889 χ^2/NDF: 14421070.6/33

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

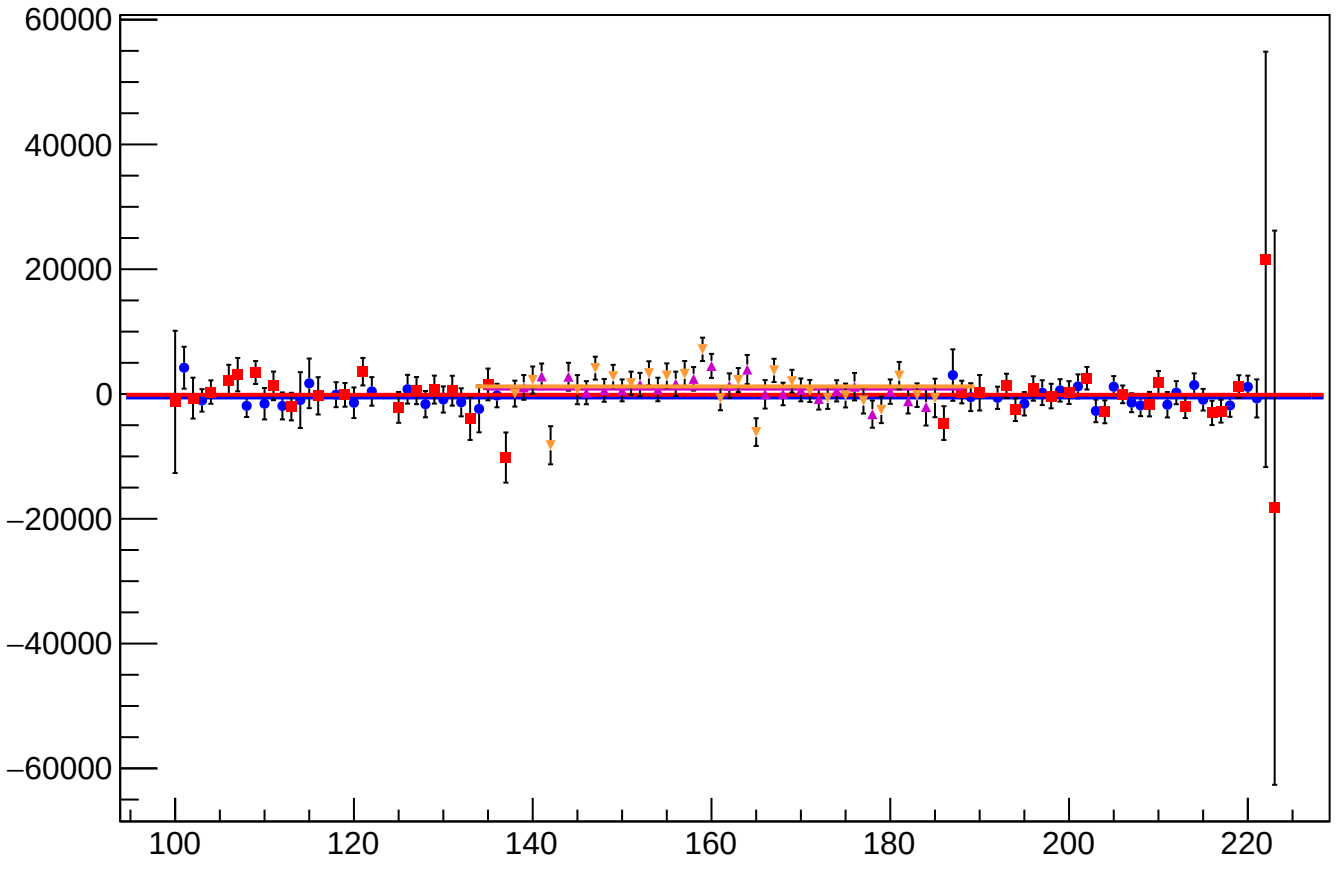
Right Out: 3841.675+/-0.741 χ^2/NDF: 17894029.4/36

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 5780.688+/-0.744 χ^2/NDF: 19666912.5/57

All: 5228.788+/-0.489 χ^2/NDF: 47108783.7/1

- sign 4807.472+/-0.650 χ^2/NDF: 26471148.2/59



Right In: -551.038+/-354.254 χ^2/NDF: 13.7/33

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -127.960+/-358.818 χ^2/NDF: 36.9/36

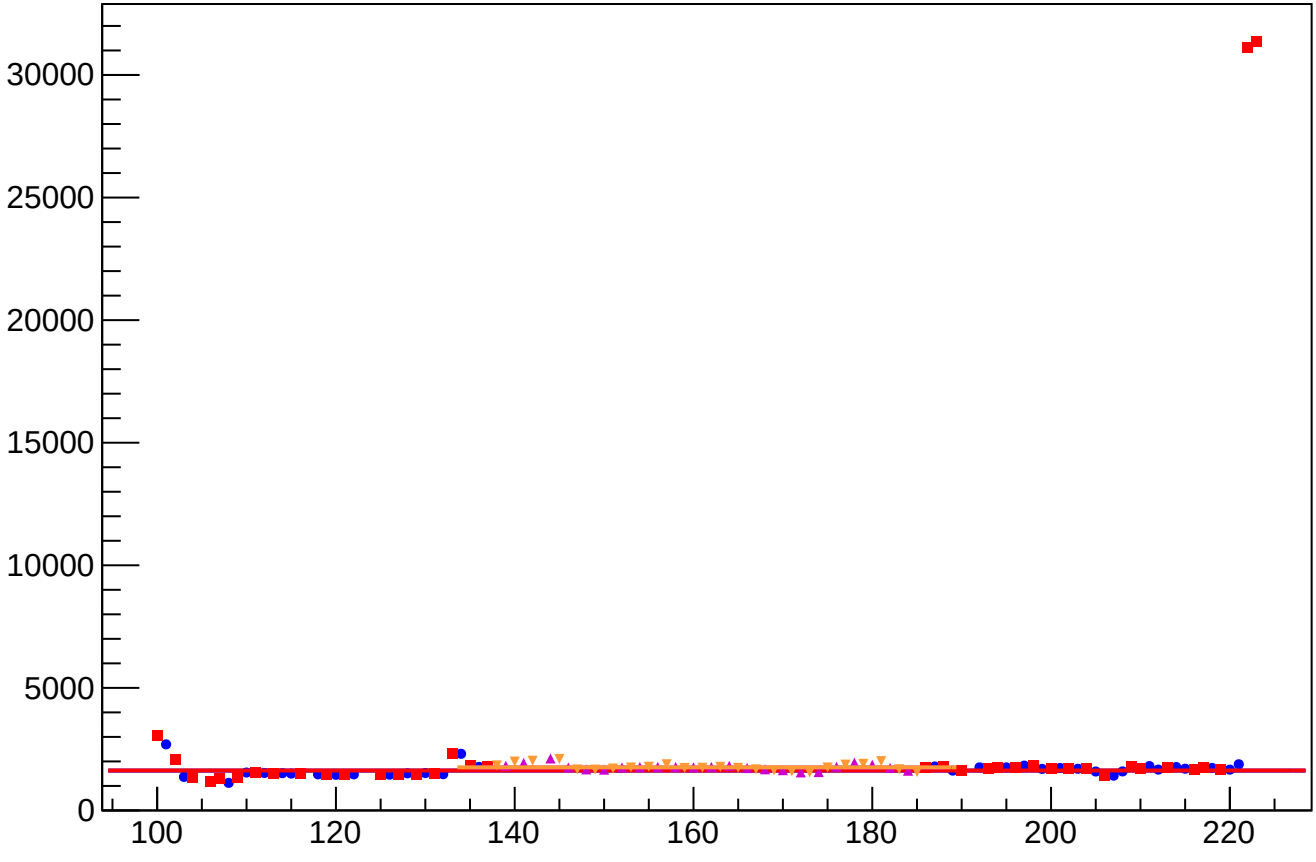
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 204.875+/-267.939 χ^2/NDF: 72.8/57

All: 253.608+/-190.195 χ^2/NDF: 128.2/117

- sign 303.103+/-270.027 χ^2/NDF: 55.4/59

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1625.017+/-0.250 χ^2/NDF: 699609.9/33

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

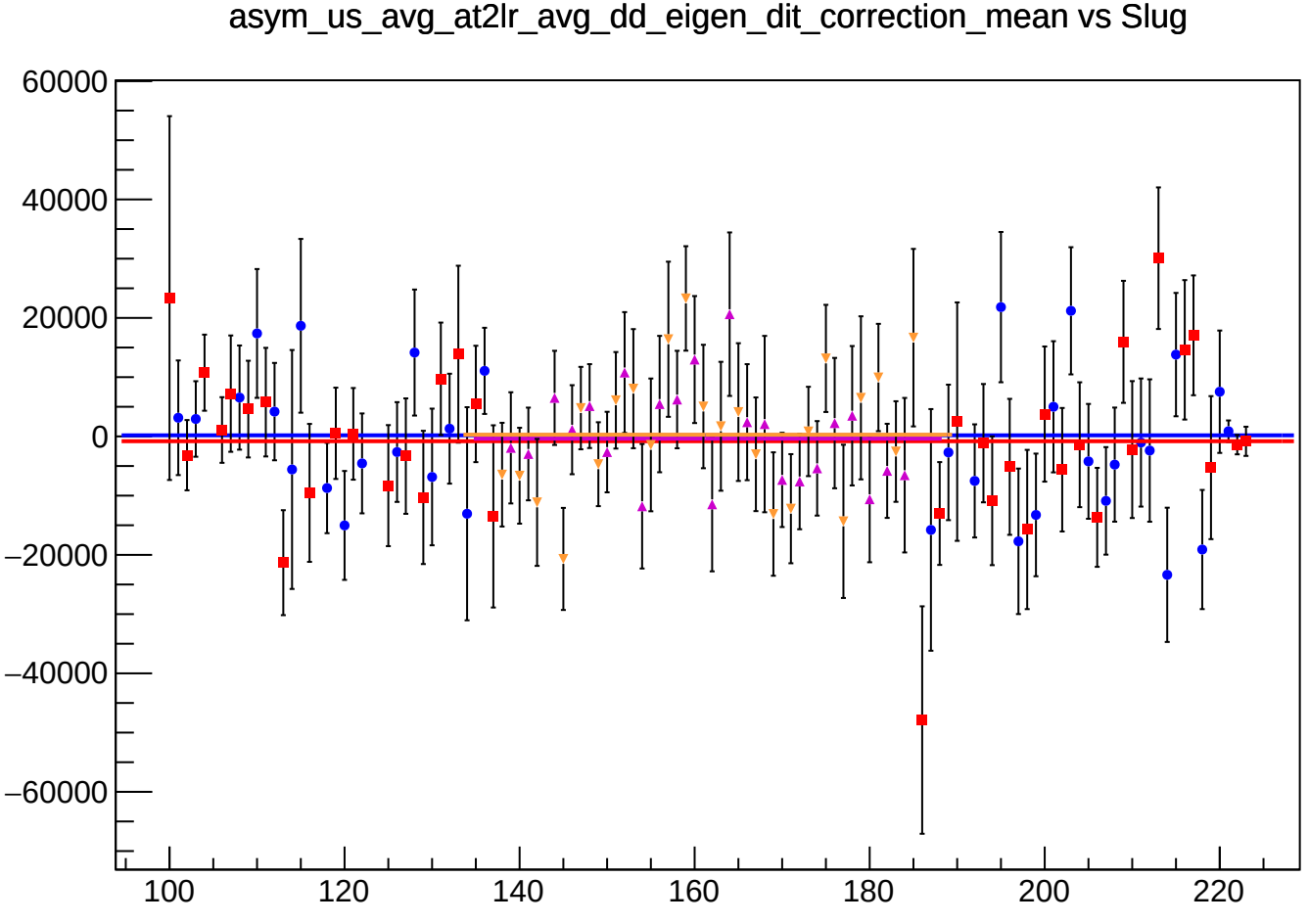
Right Out: 1629.609+/-0.254 χ^2/NDF: 3050039.8/36

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1681.912+/-0.189 χ^2/NDF: 1033451.6/57

All: 1681.966+/-0.134 χ^2/NDF: 4353819.3/11

- sign 1682.021+/-0.191 χ^2/NDF: 3320367.6/59



Right In: 182.110+/-1257.478 χ^2/NDF: 39.1/33

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

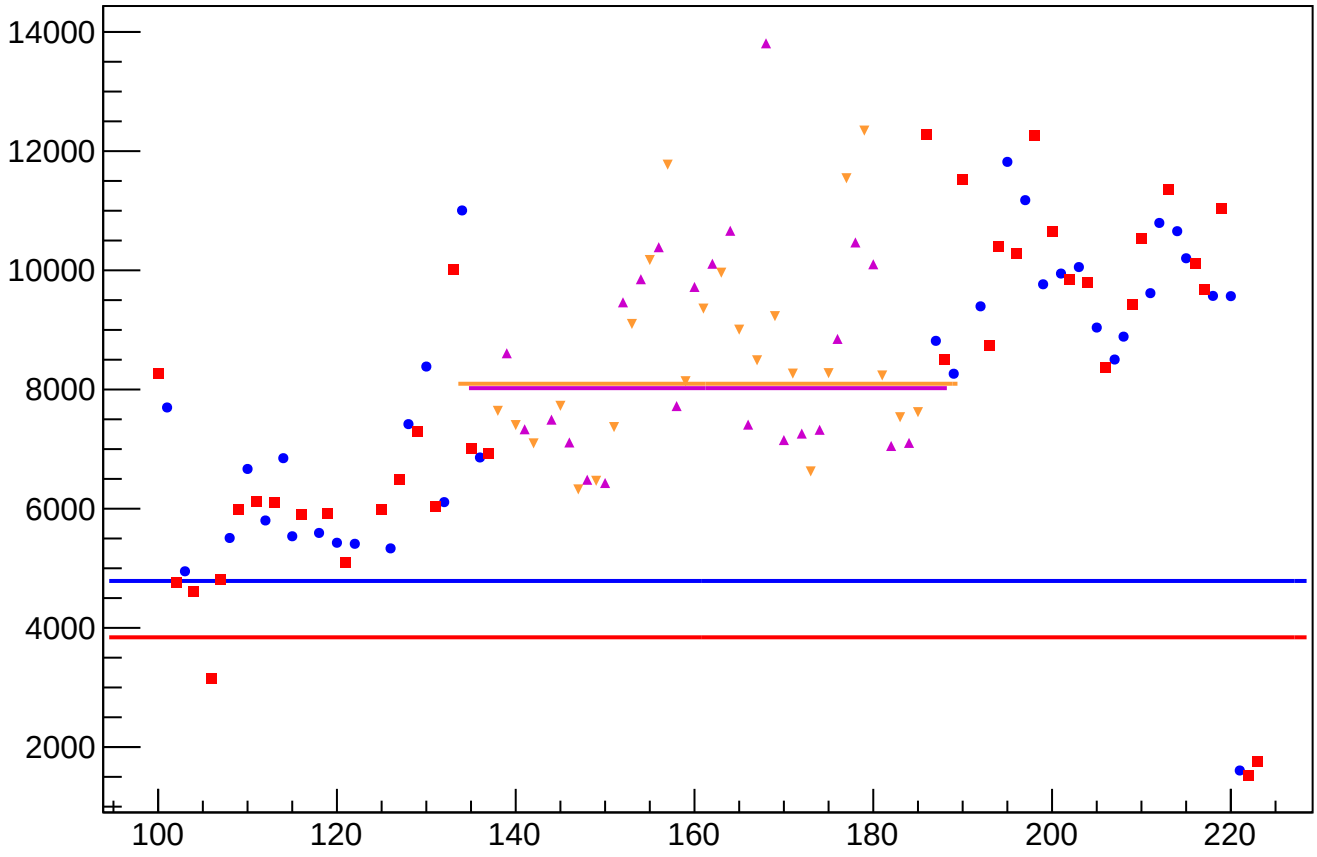
Right Out: -812.355+/-1048.120 χ^2/NDF: 43.8/36

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 212.970+/-1051.968 χ^2/NDF: 67.7/57

All: -312.193+/-692.152 χ^2/NDF: 125.6/117

- sign -713.099+/-919.128 χ^2/NDF: 57.4/59



Right In: 4787.347+/-0.889 χ^2/NDF: 14421051.5/33

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

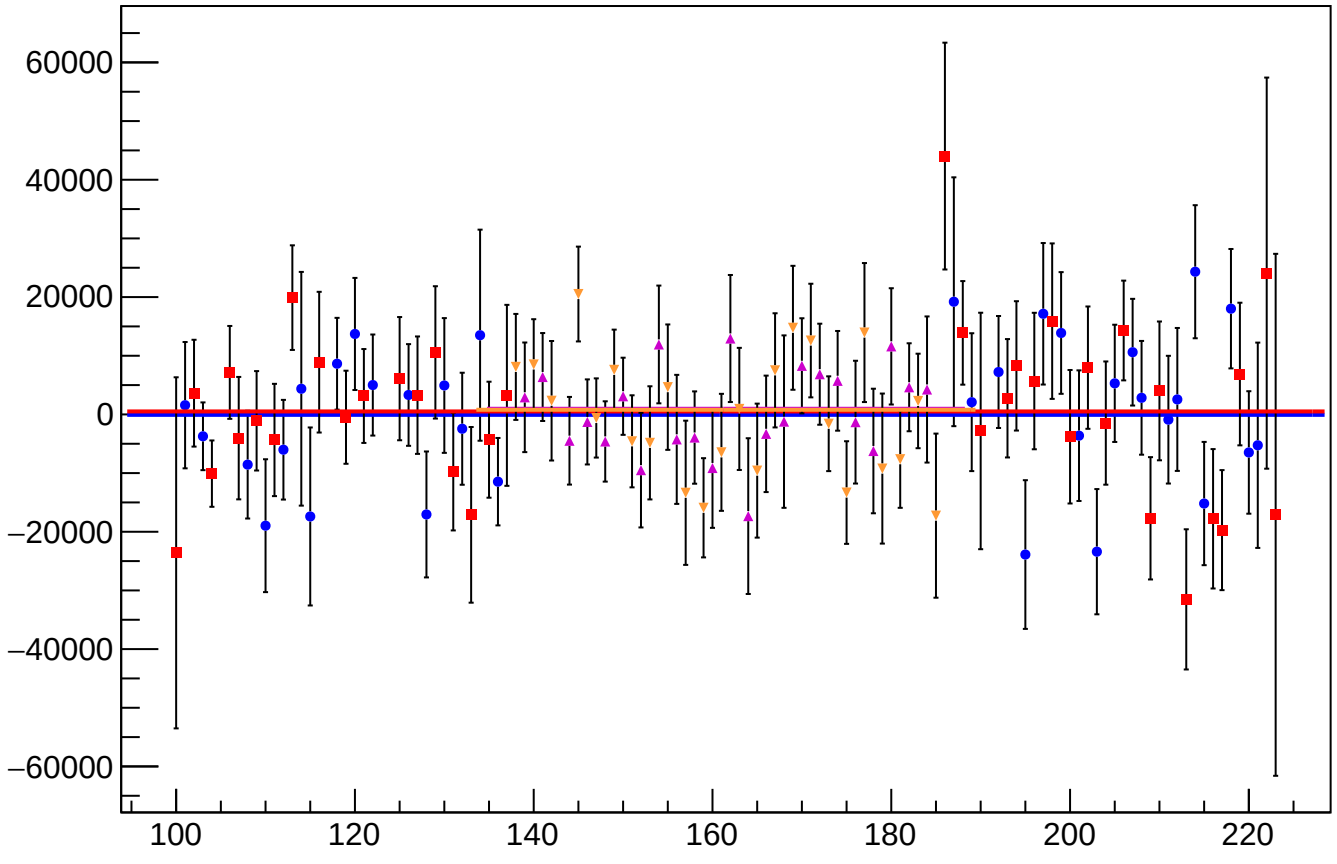
Right Out: 3841.680+/-0.741 χ^2/NDF: 17894000.7/36

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 5780.693+/-0.744 χ^2/NDF: 19666904.5/57

All: 5228.793+/-0.489 χ^2/NDF: 47108753.3/1

- sign 4807.478+/-0.650 χ^2/NDF: 26471127.1/59



Right In: -71.972+/-1746.086 χ^2/NDF: 41.2/33

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 509.946+/-1719.000 χ^2/NDF: 45.0/36

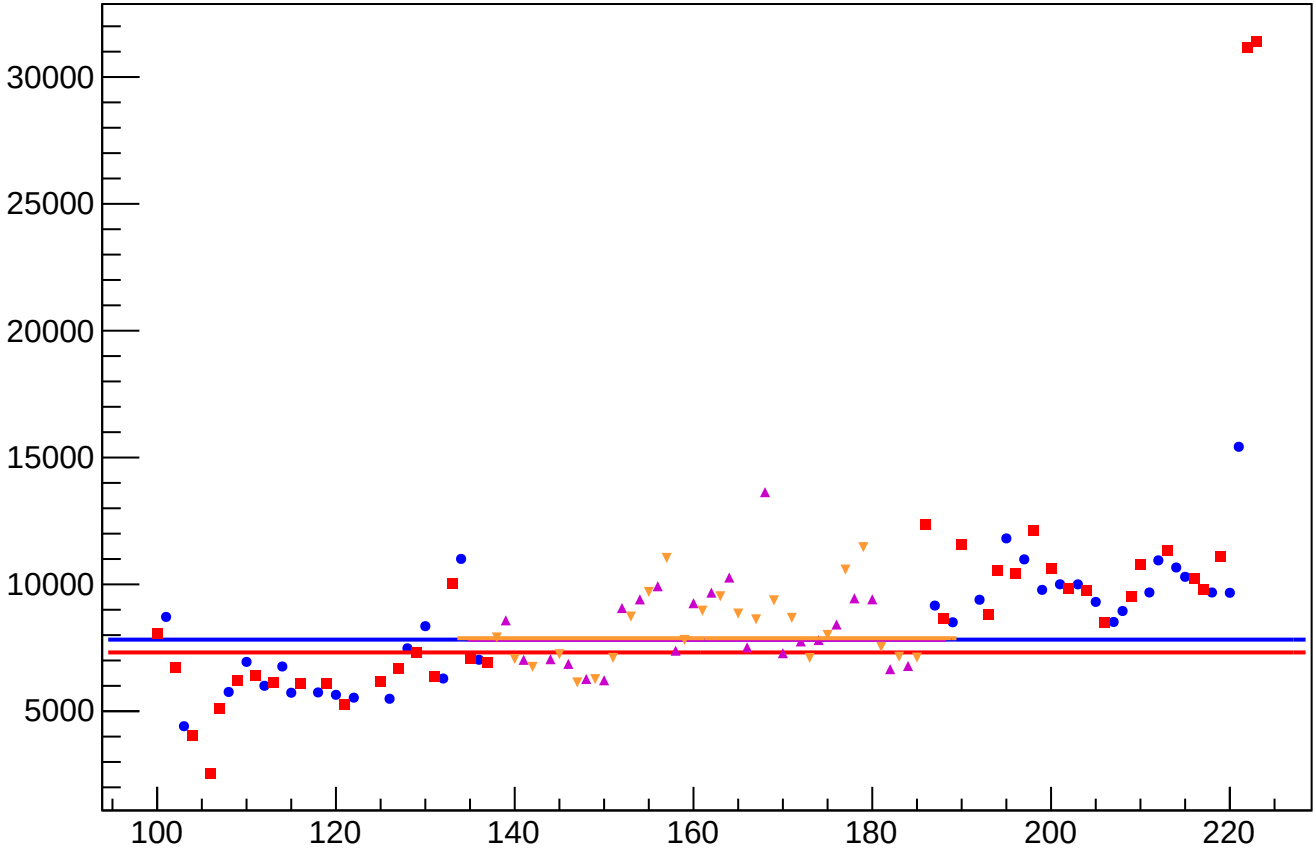
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 331.225+/-1274.672 χ^2/NDF: 68.5/57

All: 527.042+/-896.959 χ^2/NDF: 126.4/117

- sign 719.107+/-1262.401 χ^2/NDF: 57.9/59

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7822.712+/-1.235 χ^2/NDF: 3288713.4/33

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

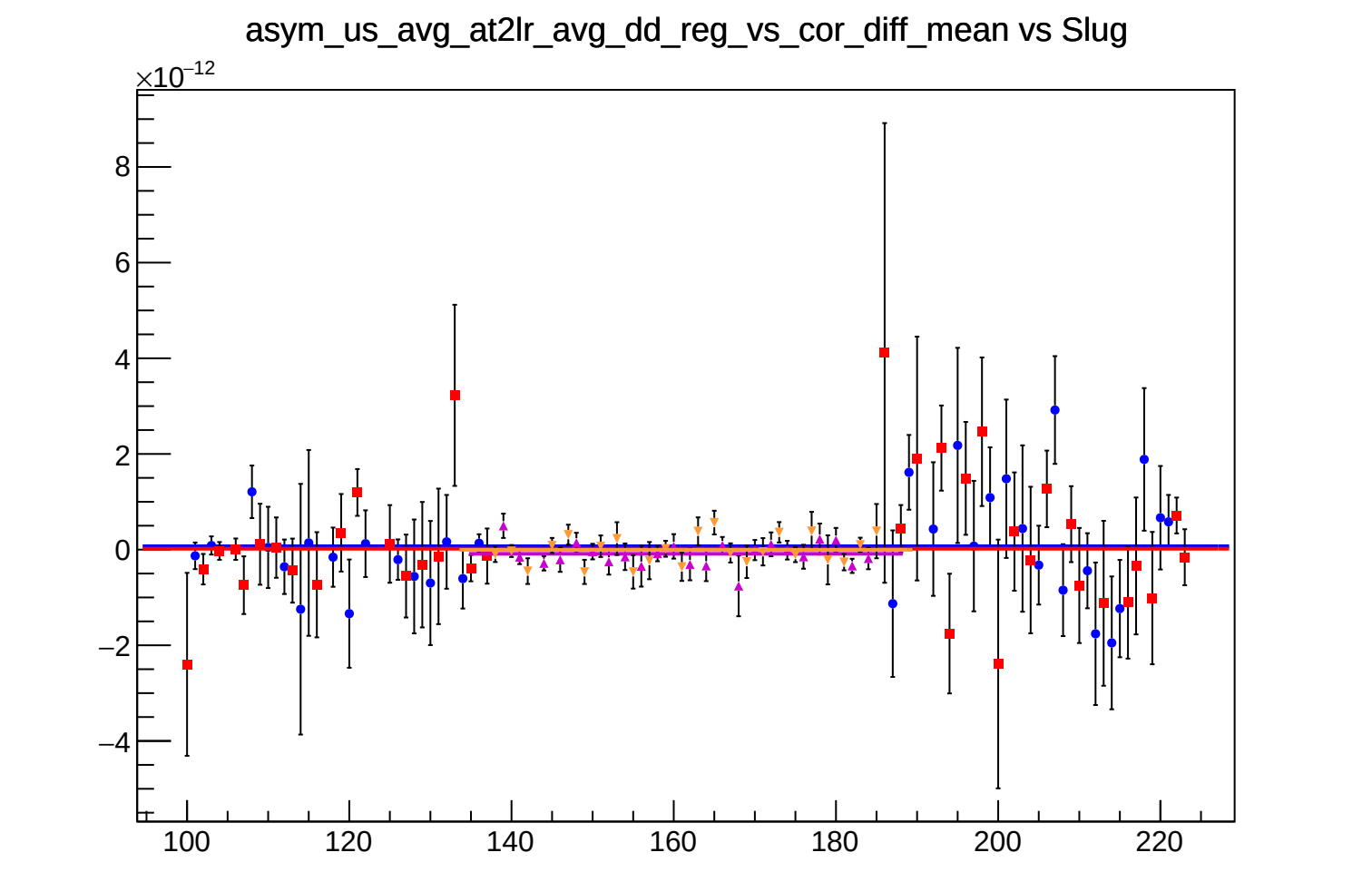
Right Out: 7317.392+/-1.189 χ^2/NDF: 6466057.6/36

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7848.761+/-0.901 χ^2/NDF: 4279724.9/57

All: 7691.969+/-0.630 χ^2/NDF: 12016620.8/1

- sign 7541.835+/-0.882 χ^2/NDF: 7677659.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

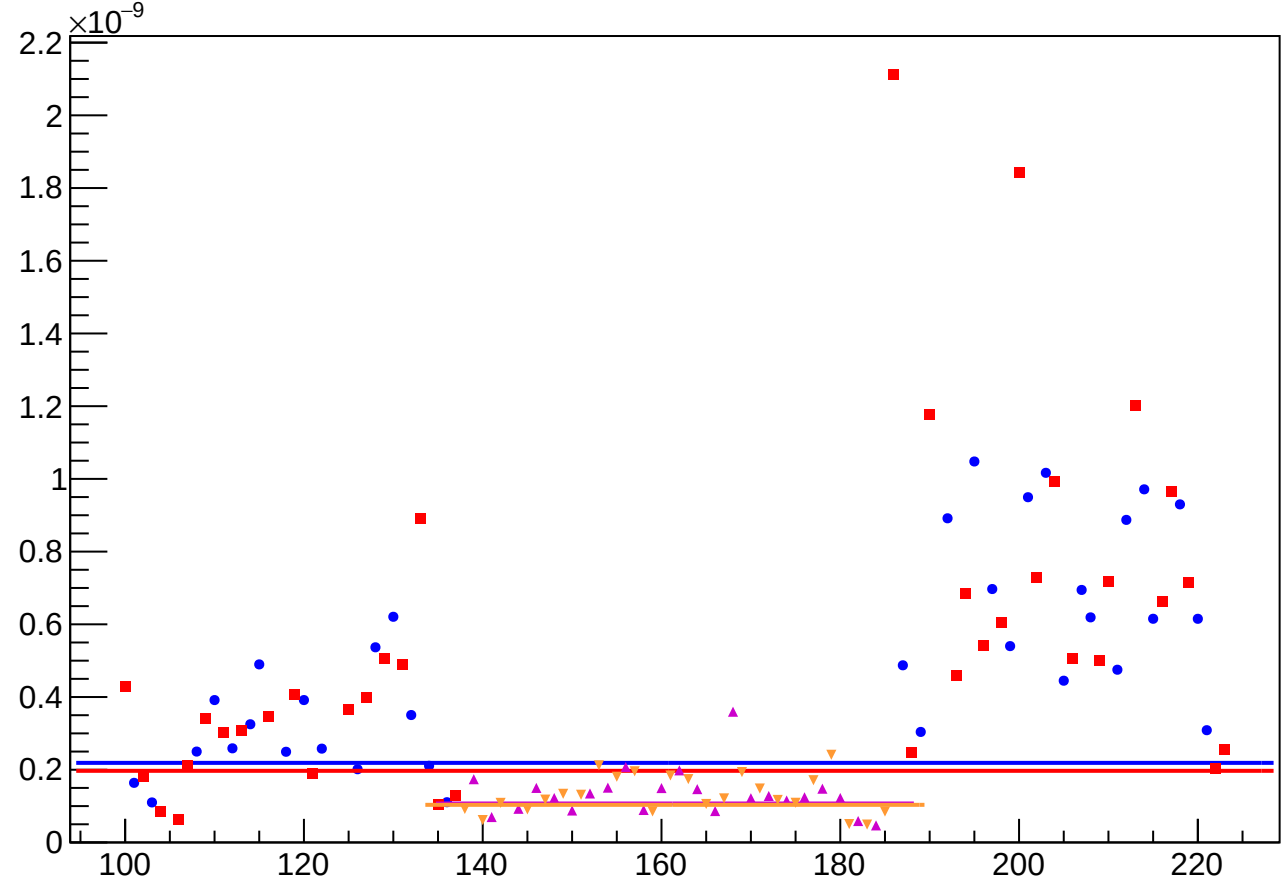
Right Out: 0.000+/-0.000 χ^2/NDF: 40.9/36

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/57

All: -0.000+/-0.000 χ^2/NDF: 125.2/117

- sign -0.000+/-0.000 χ^2/NDF: 61.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 7225827.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8722838.4/36

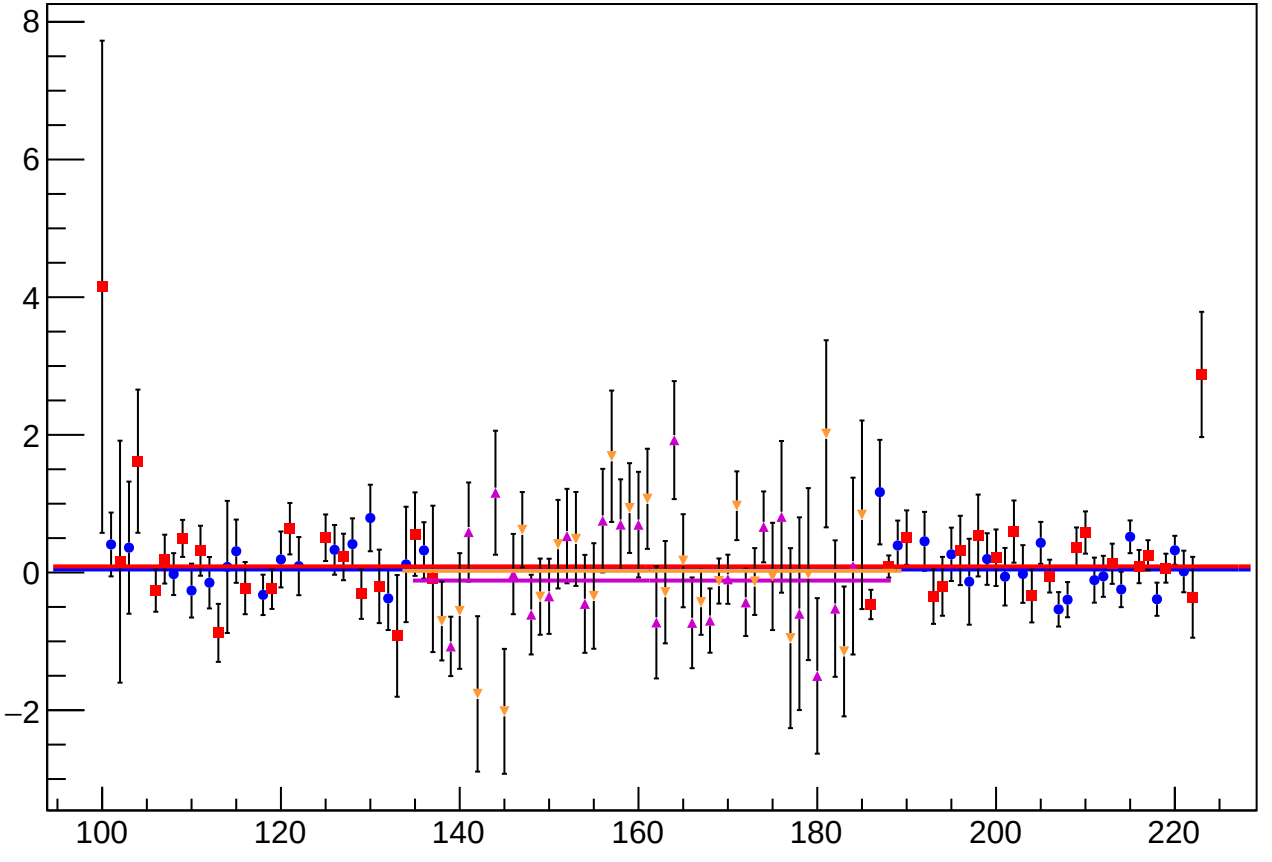
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11532135.8/57

All: 0.000+/-0.000 χ^2/NDF: 23403281.9/117

- sign 0.000+/-0.000 χ^2/NDF: 11870514.8/59

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.060 χ^2/NDF: 34.2/33

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

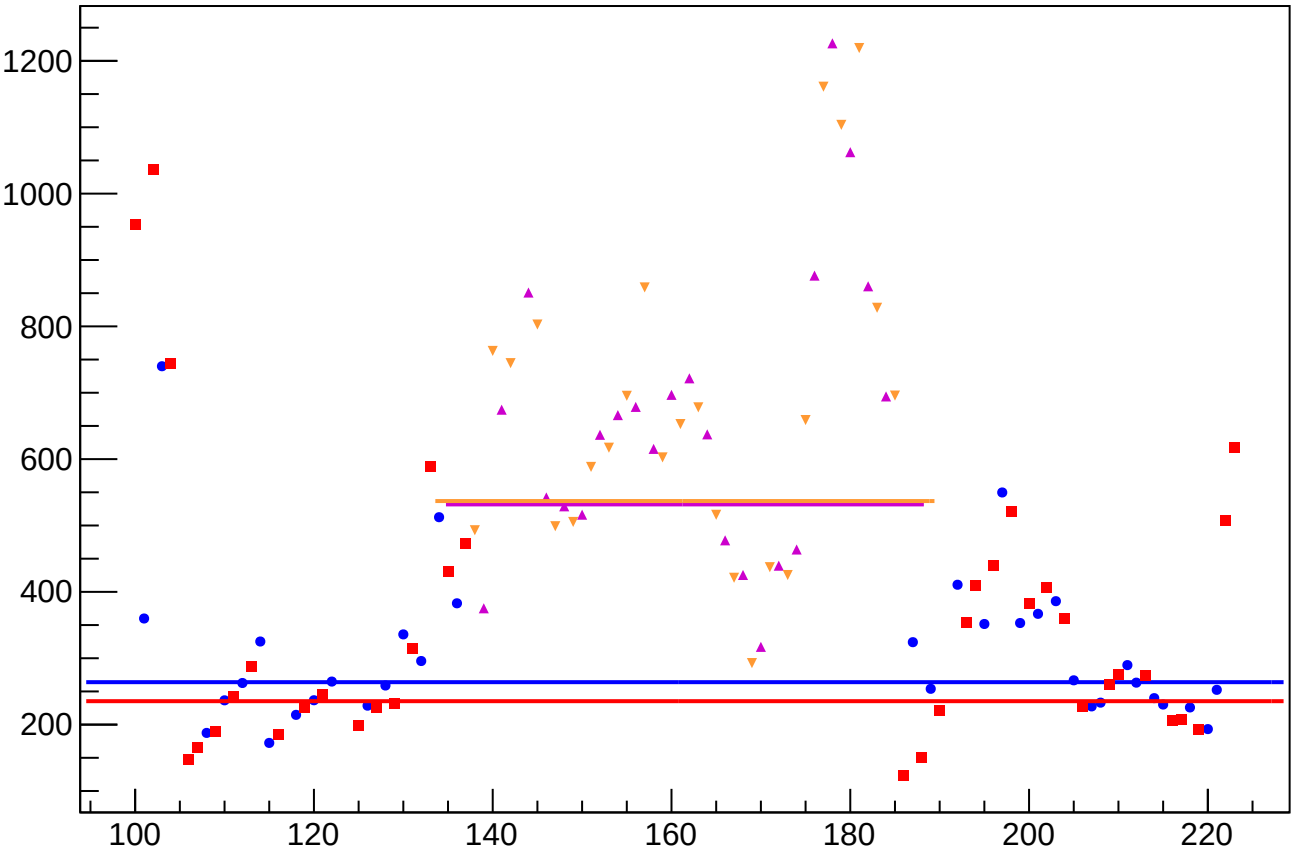
Right Out: 0.089+/-0.055 χ^2/NDF: 49.0/36

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.041+/-0.055 χ^2/NDF: 63.3/57

All: 0.050+/-0.037 χ^2/NDF: 142.1/117

- sign 0.058+/-0.051 χ^2/NDF: 78.8/59



Right In: 263.956+/-0.042 χ^2/NDF: 2879693.4/33

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

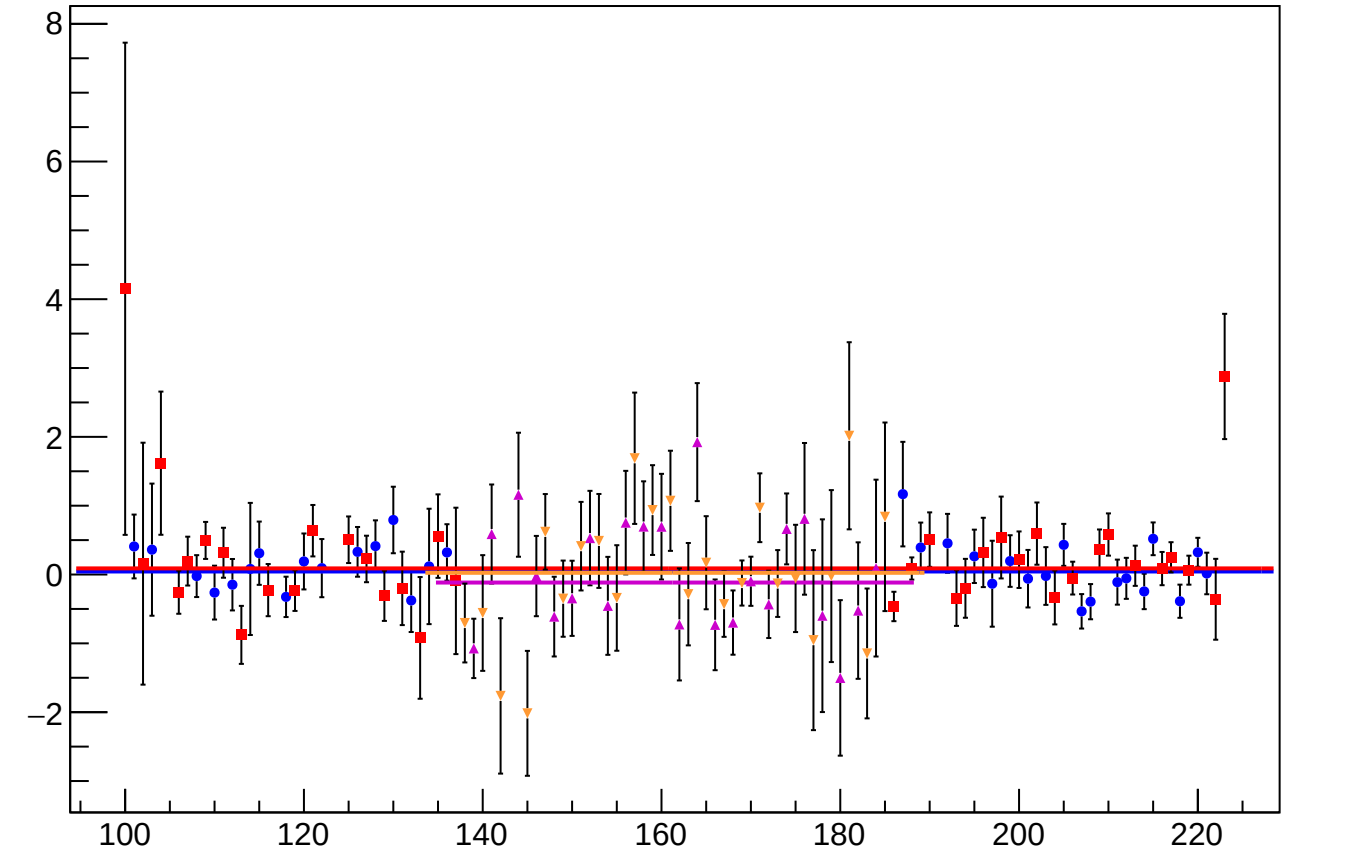
Right Out: 235.320+/-0.039 χ^2/NDF: 6198738.8/36

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 309.330+/-0.039 χ^2/NDF: 13760044.8/57

All: 293.473+/-0.026 χ^2/NDF: 32178546.4/11

- sign 279.560+/-0.036 χ^2/NDF: 18102157.6/59



Right In: 0.044+/-0.060 χ^2/NDF: 34.2/33

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

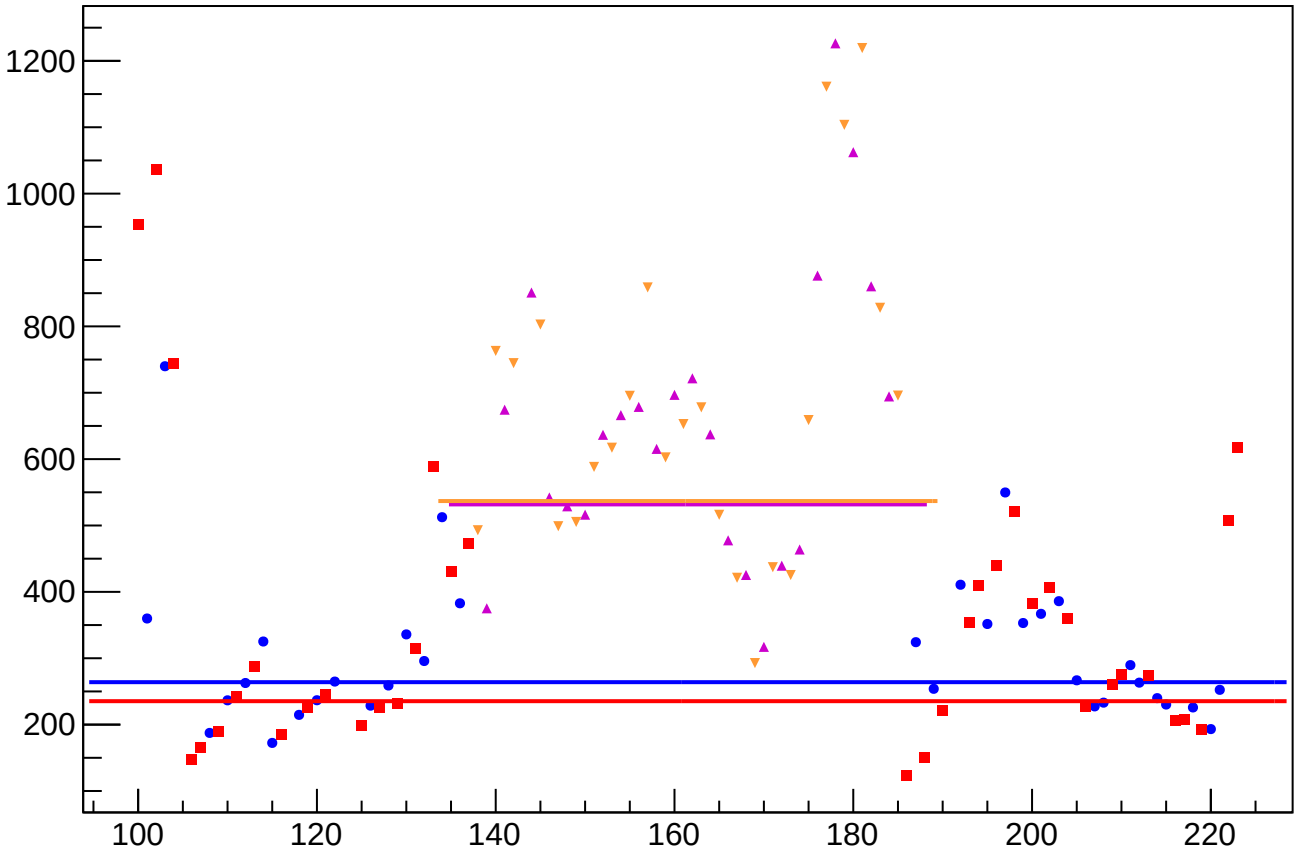
Right Out: 0.089+/-0.055 χ^2/NDF: 49.0/36

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.041+/-0.055 χ^2/NDF: 63.3/57

All: 0.050+/-0.037 χ^2/NDF: 142.1/117

- sign 0.058+/-0.051 χ^2/NDF: 78.8/59


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
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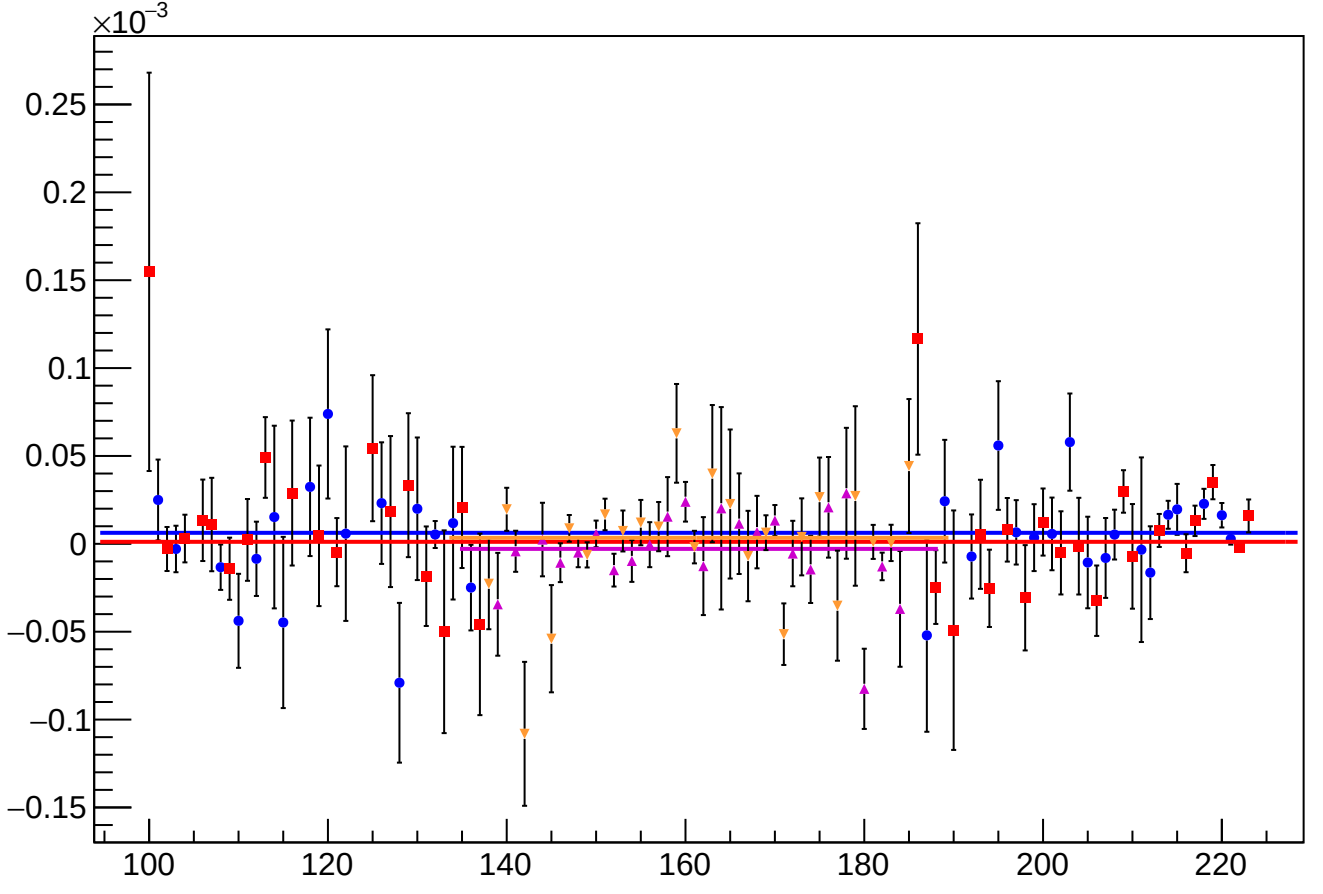
Right In: 263.956+/-0.042 χ²/NDF: 2879693.4/33
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 235.320+/-0.039 χ²/NDF: 6198738.8/36
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 309.330+/-0.039 χ²/NDF: 13760044.8/57
All: 293.473+/-0.026 χ²/NDF: 32178546.4/11
- sign 279.560+/-0.036 χ²/NDF: 18102157.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

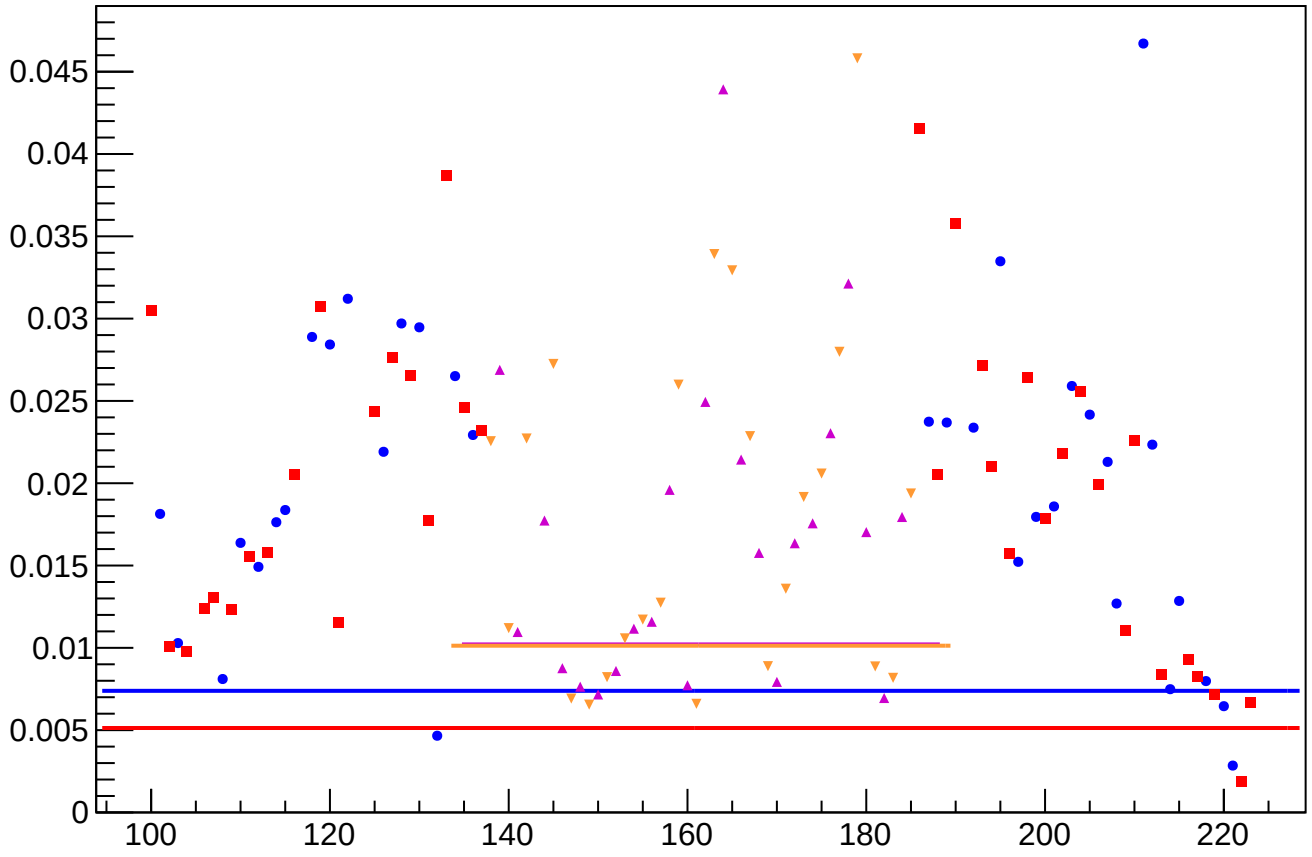
Right Out: 0.000+/-0.000 χ^2/NDF: 49.8/36

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.4/57

All: 0.000+/-0.000 χ^2/NDF: 163.1/117

- sign 0.000+/-0.000 χ^2/NDF: 83.5/59



Right In: 0.007+/-0.000 χ^2/NDF: 18431605.1/33

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

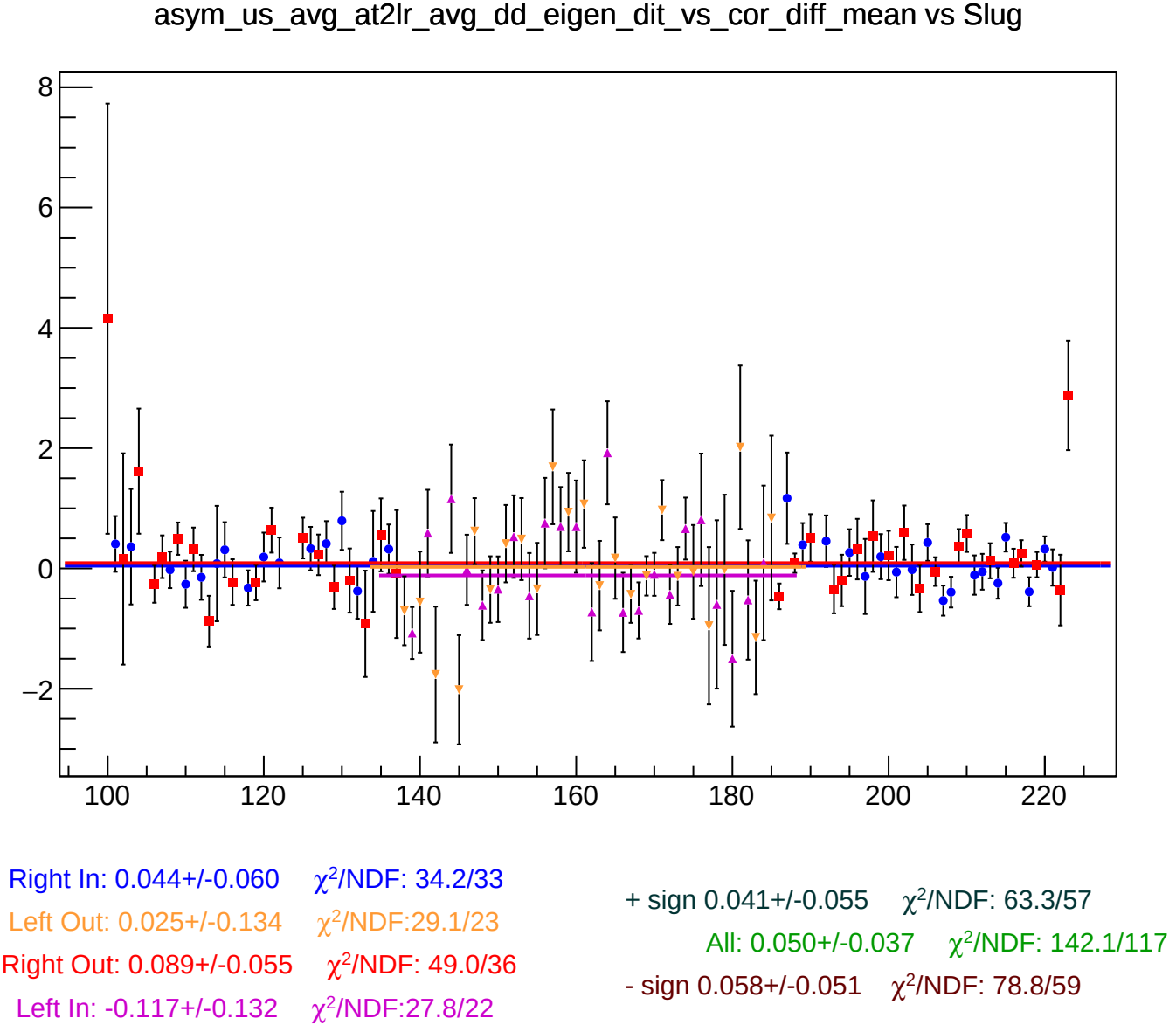
Right Out: 0.005+/-0.000 χ^2/NDF: 24038180.2/36

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 27477147.8/57

All: 0.007+/-0.000 χ^2/NDF: 63997167.4/117

- sign 0.006+/-0.000 χ^2/NDF: 35004029.1/59


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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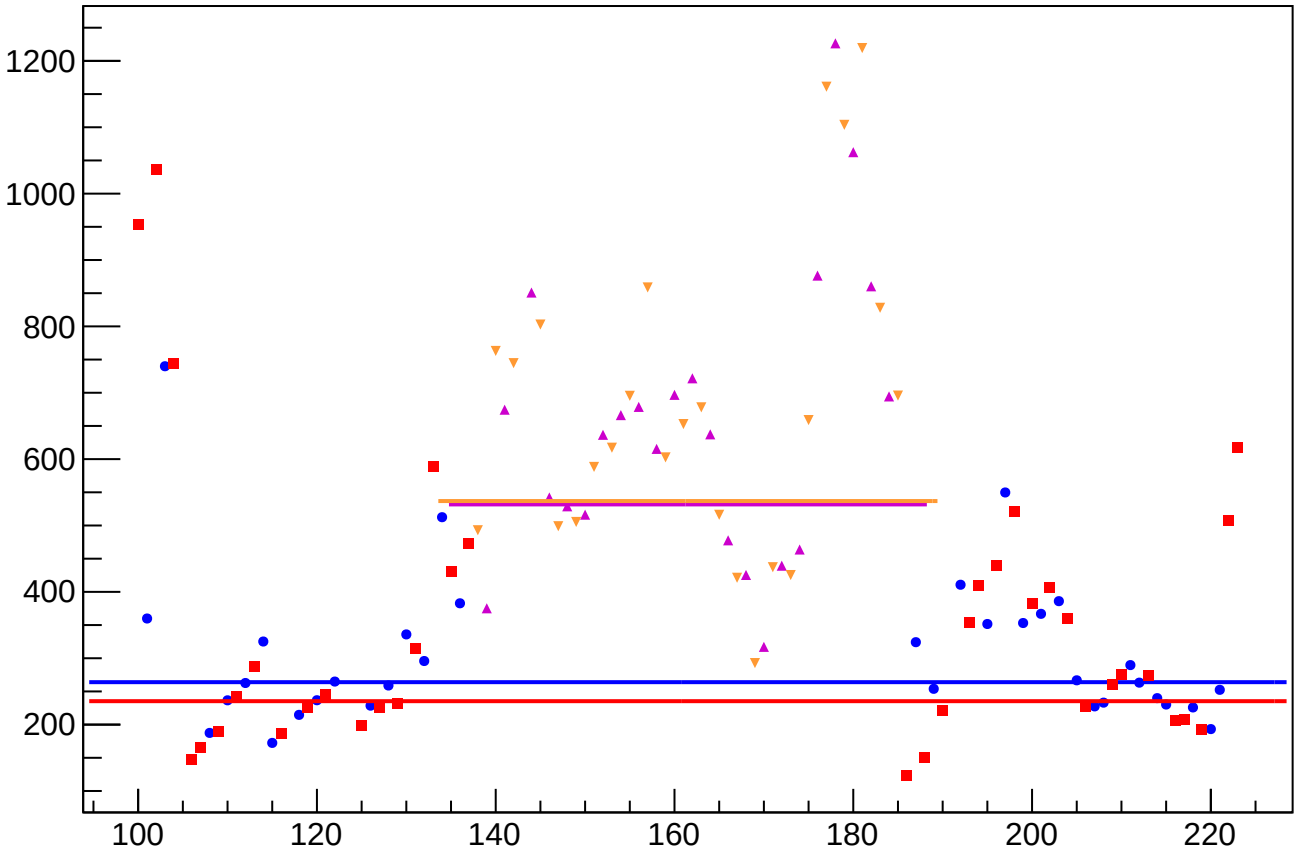
Right In: 0.044+/-0.060 χ²/NDF: 34.2/33
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.089+/-0.055 χ²/NDF: 49.0/36
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.041+/-0.055 χ²/NDF: 63.3/57
All: 0.050+/-0.037 χ²/NDF: 142.1/117
- sign 0.058+/-0.051 χ²/NDF: 78.8/59



Right In: 263.955+/-0.042 χ^2/NDF: 2879703.6/33

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 235.319+/-0.039 χ^2/NDF: 6198824.9/36

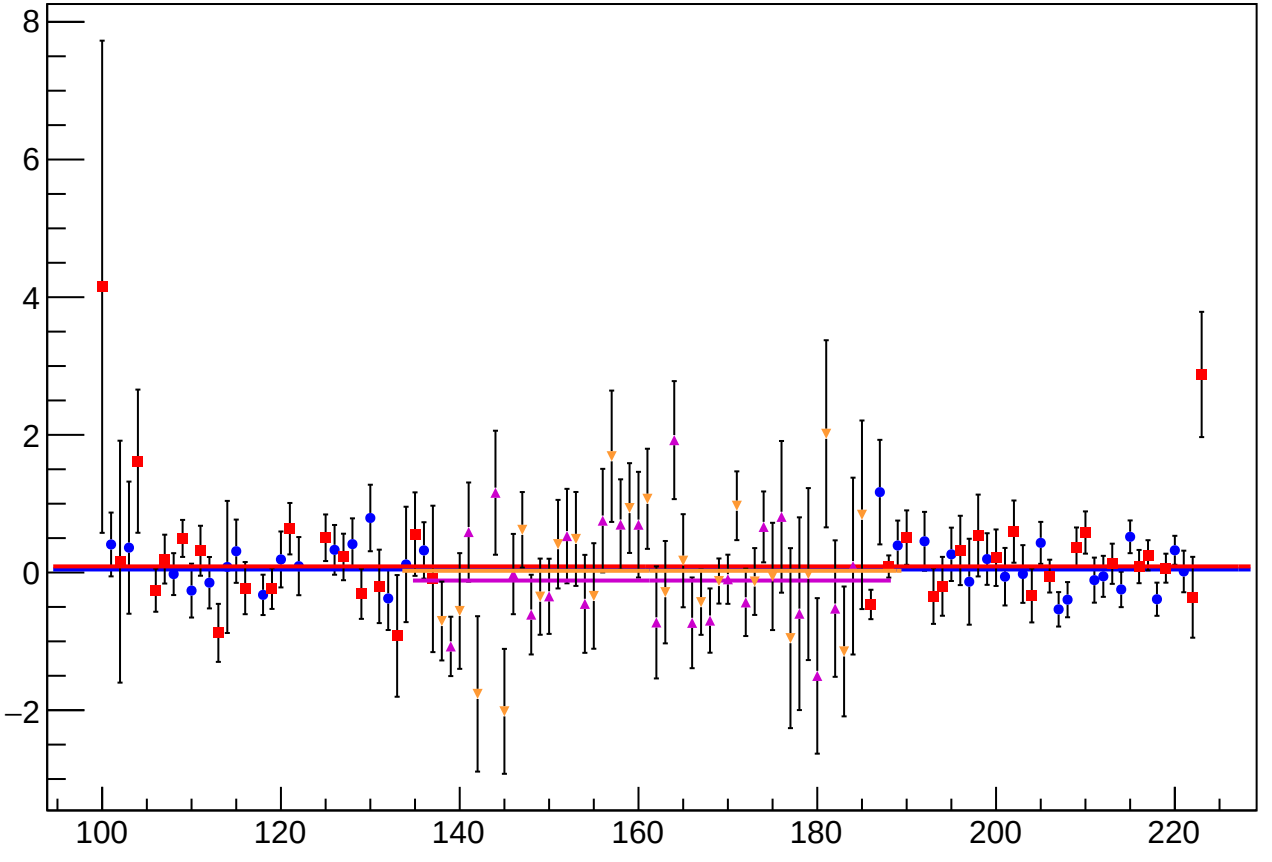
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 309.329+/-0.039 χ^2/NDF: 13760273.4/57

All: 293.471+/-0.026 χ^2/NDF: 32179096.5/11

- sign 279.559+/-0.036 χ^2/NDF: 18102476.7/59

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.060 χ^2/NDF: 34.2/33

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

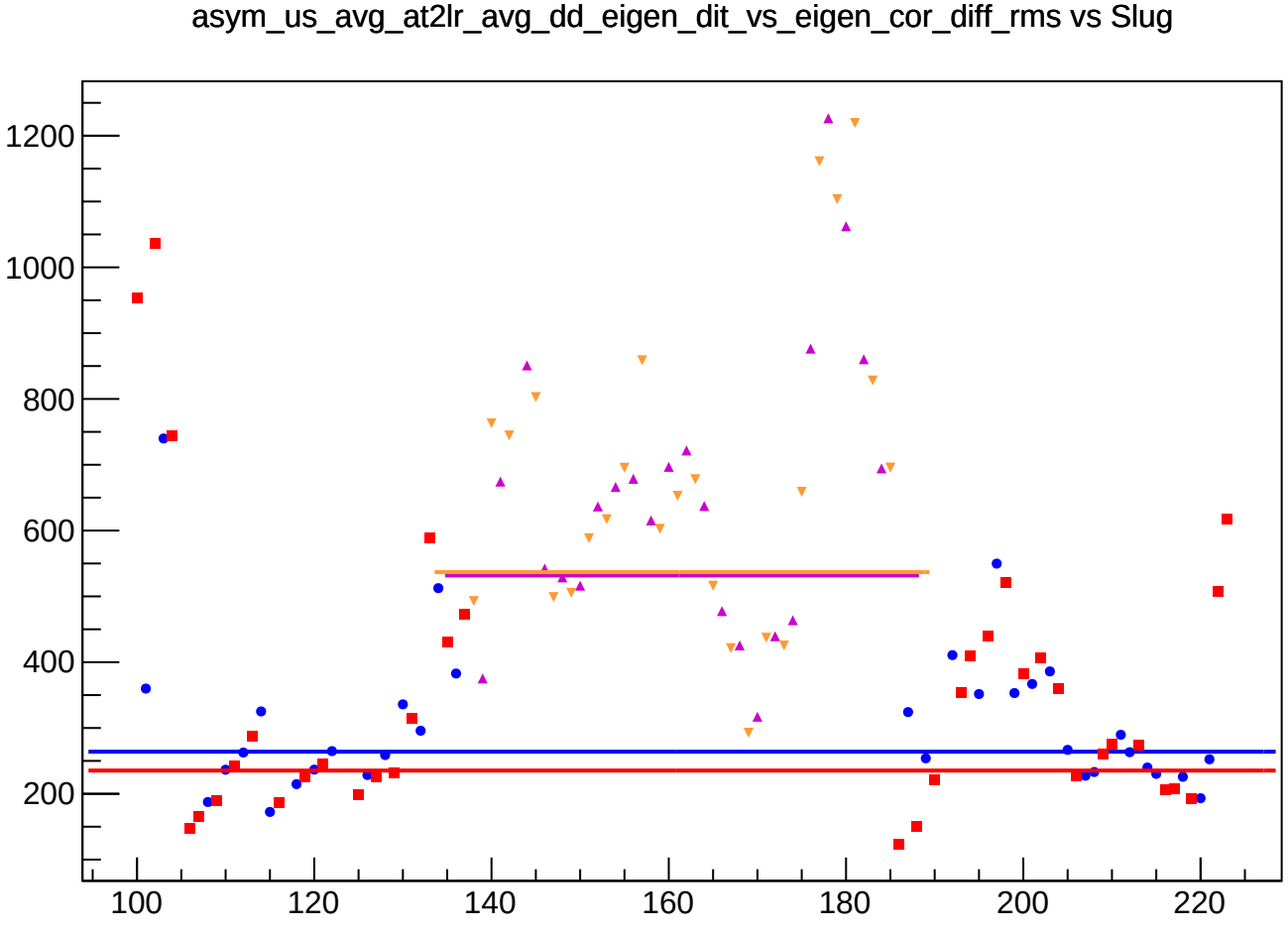
Right Out: 0.089+/-0.055 χ^2/NDF: 49.0/36

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.041+/-0.055 χ^2/NDF: 63.3/57

All: 0.050+/-0.037 χ^2/NDF: 142.1/117

- sign 0.058+/-0.051 χ^2/NDF: 78.8/59


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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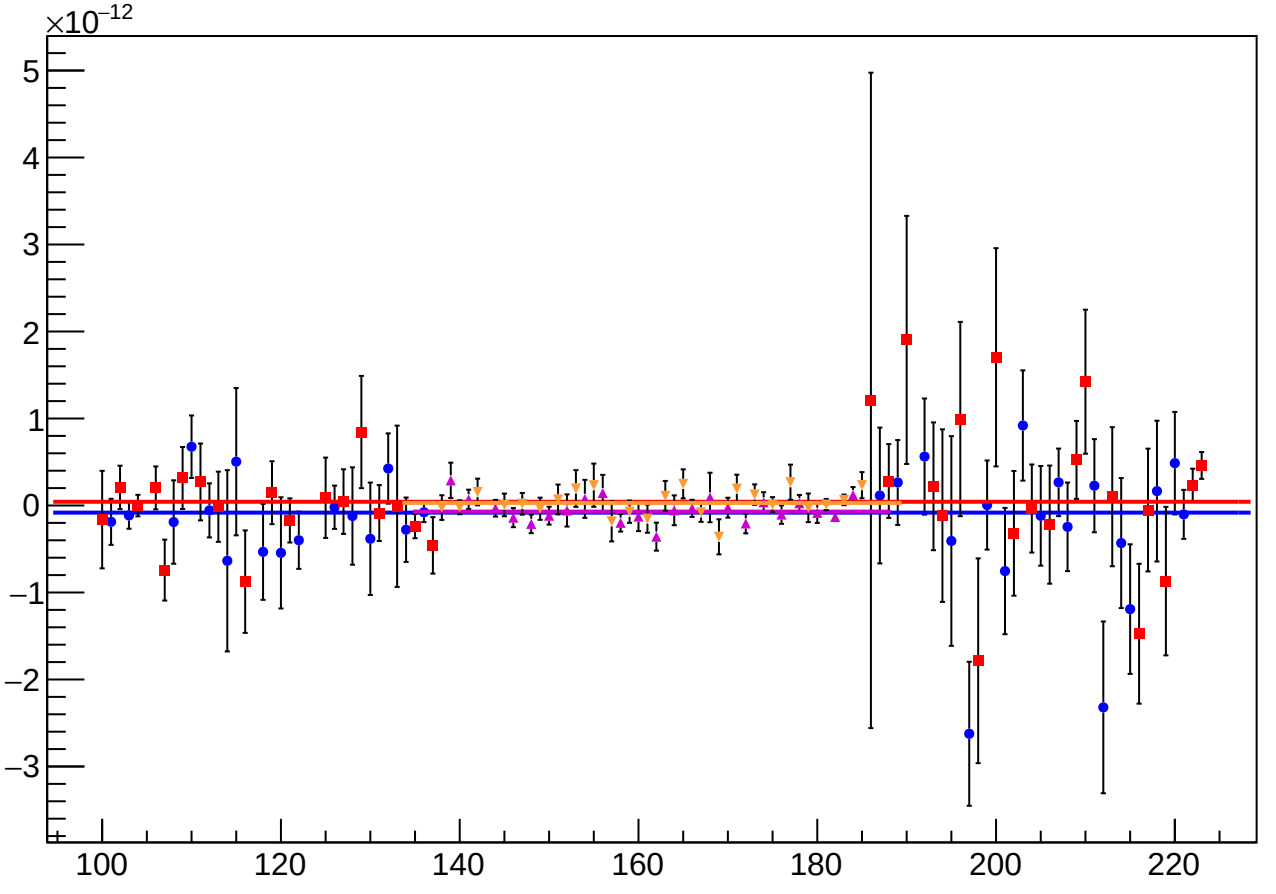
Right In: 263.955+/-0.042 χ²/NDF: 2879703.6/33
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 235.319+/-0.039 χ²/NDF: 6198824.9/36
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 309.329+/-0.039 χ²/NDF: 13760273.4/57
All: 293.471+/-0.026 χ²/NDF: 32179096.5/11
- sign 279.559+/-0.036 χ²/NDF: 18102476.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

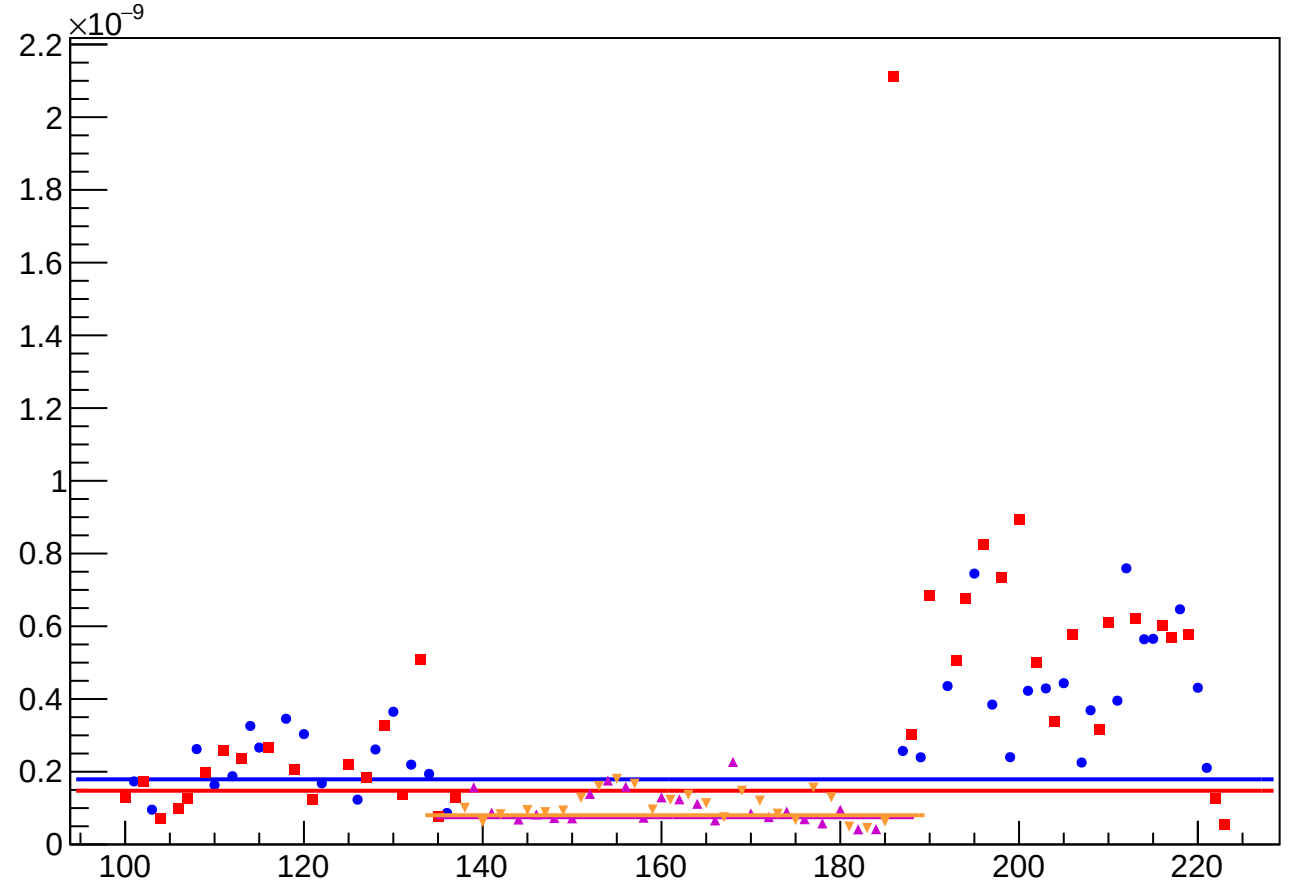
Right Out: 0.000+/-0.000 χ^2/NDF: 42.9/36

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.6/57

All: -0.000+/-0.000 χ^2/NDF: 129.1/117

- sign -0.000+/-0.000 χ^2/NDF: 70.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 8005016.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12170108.3/36

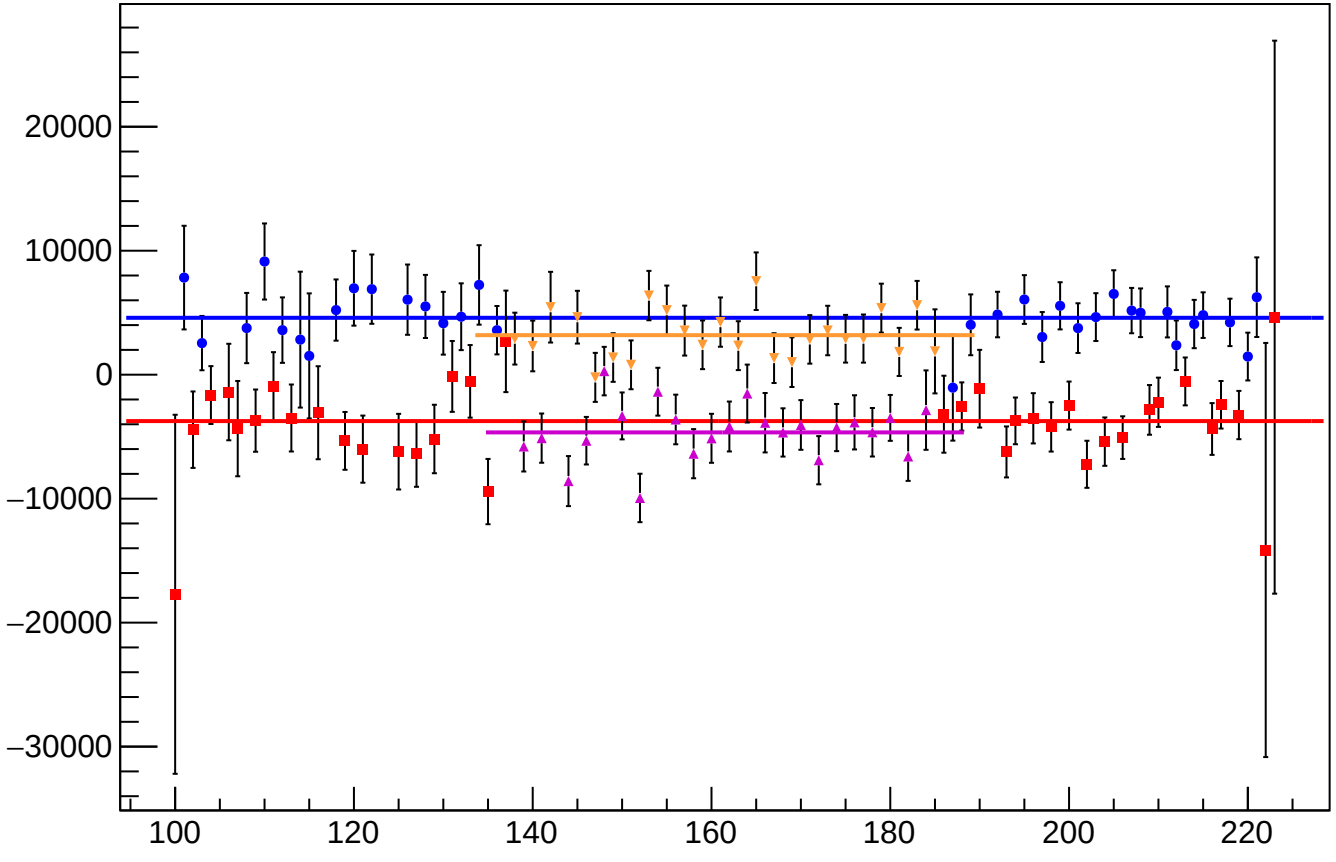
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16223763.5/57

All: 0.000+/-0.000 χ^2/NDF: 35248443.1/117

- sign 0.000+/-0.000 χ^2/NDF: 18901497.8/59

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4589.173+/-395.900 χ^2/NDF: 16.0/33

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3742.473+/-400.458 χ^2/NDF: 28.6/36

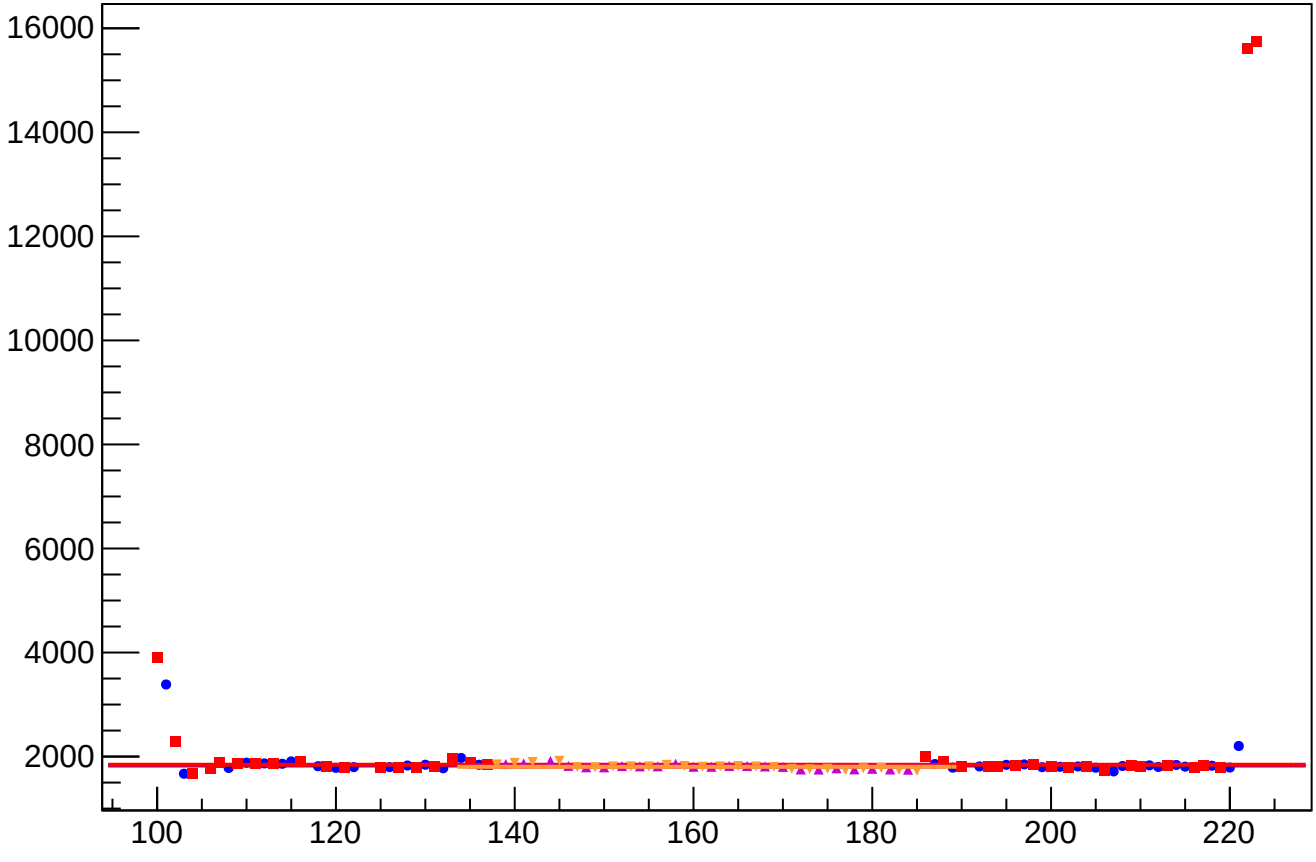
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3927.224+/-287.640 χ^2/NDF: 41.7/57

All: -85.582+/-204.355 χ^2/NDF: 493.5/117

- sign -4175.282+/-290.383 χ^2/NDF: 58.8/59

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1829.594+/-0.280 χ^2/NDF: 336067.5/33

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

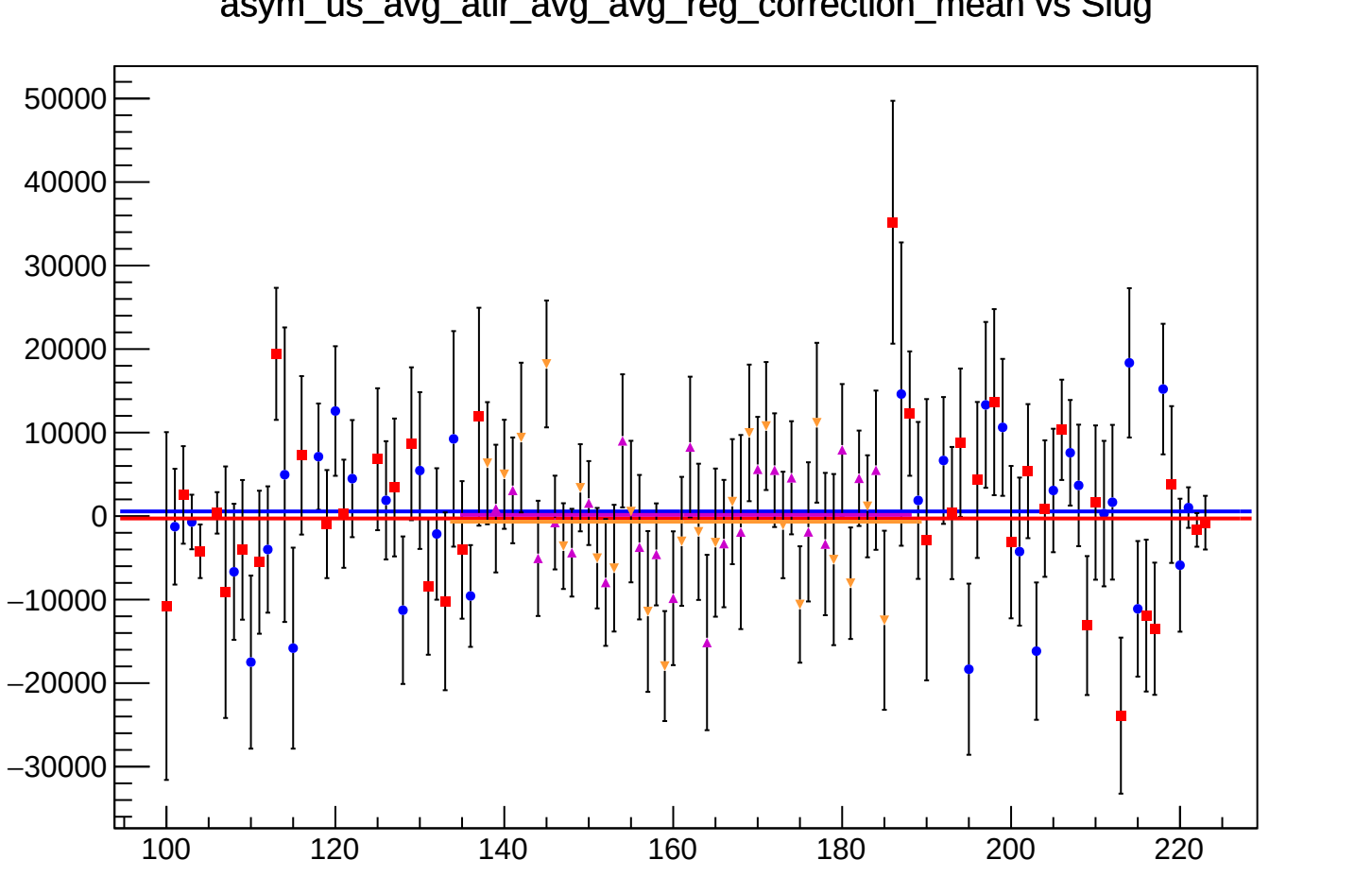
Right Out: 1842.692+/-0.283 χ^2/NDF: 2263082.1/36

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.093+/-0.203 χ^2/NDF: 360932.9/57

All: 1821.061+/-0.144 χ^2/NDF: 2652260.3/11

- sign 1825.102+/-0.205 χ^2/NDF: 2290559.0/59



Right In: 560.759+/-1169.388 χ^2/NDF: 39.6/33

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -285.497+/-976.623 χ^2/NDF: 44.0/36

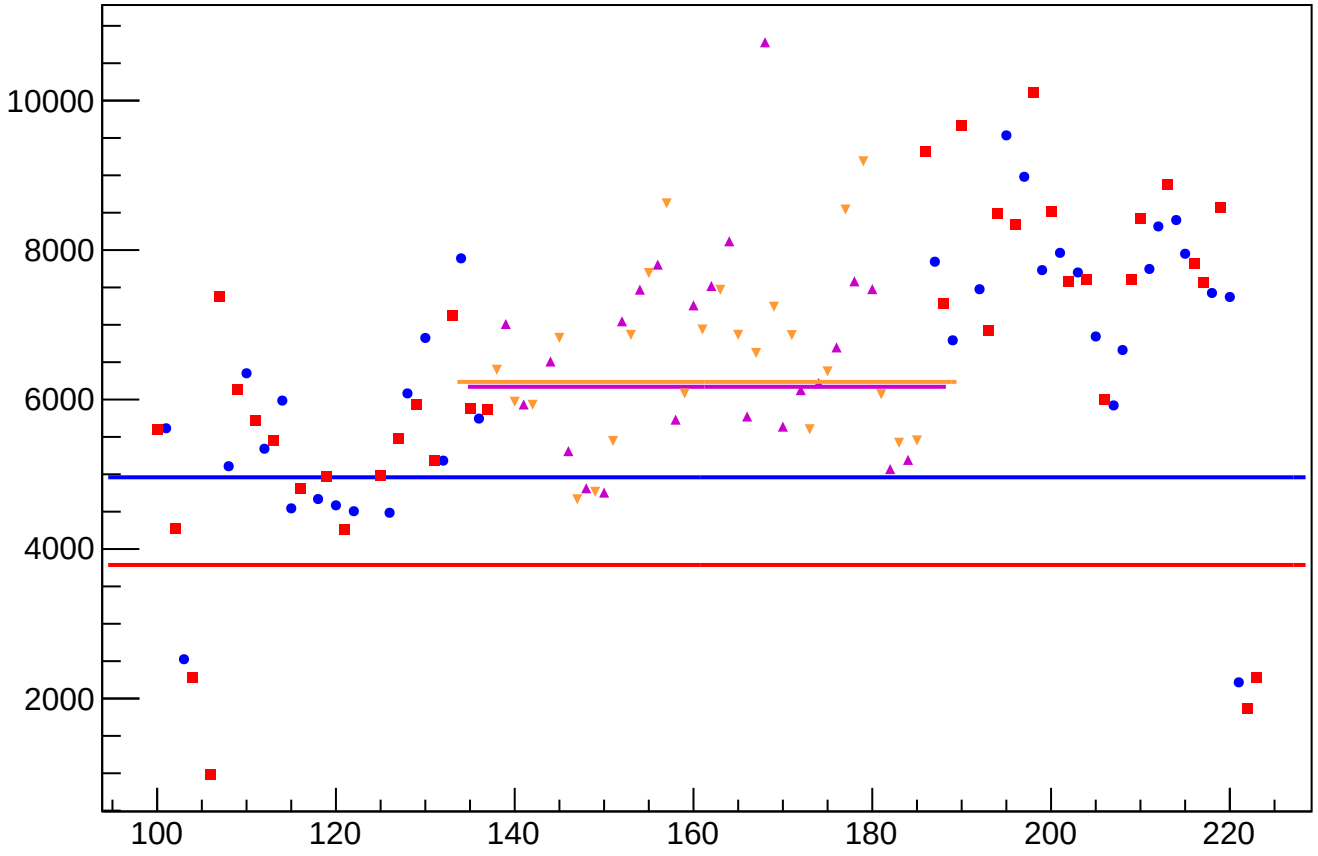
Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign 88.303+/-917.255 χ^2/NDF: 69.8/57

All: -47.471+/-608.703 χ^2/NDF: 127.4/117

- sign -154.318+/-813.693 χ^2/NDF: 57.6/59

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 4959.938+/-0.827 χ^2/NDF: 7460310.5/33

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3787.073+/-0.691 χ^2/NDF: 14055308.0/36

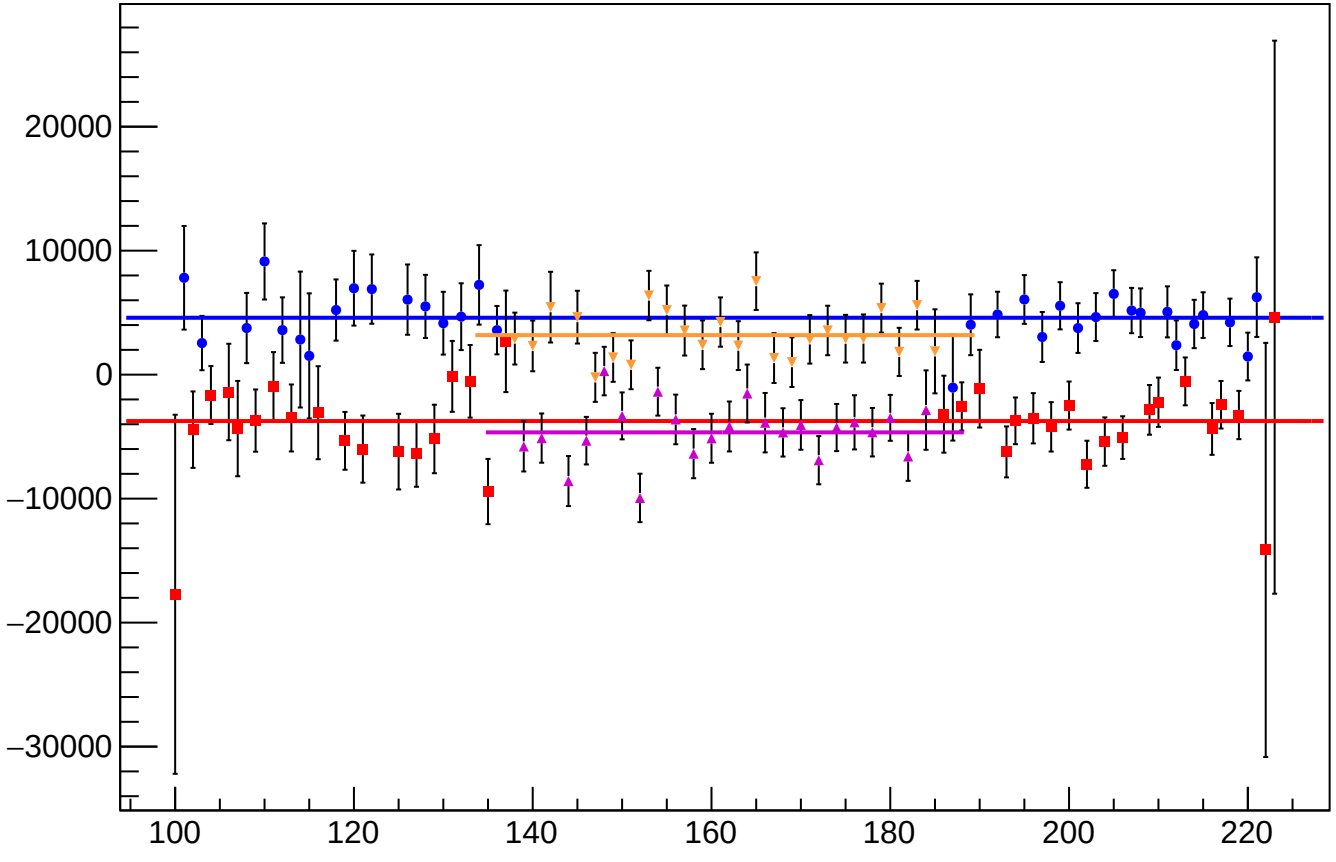
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5451.128+/-0.649 χ^2/NDF: 9445142.0/57

All: 4927.860+/-0.430 χ^2/NDF: 29544951.3/1

- sign 4516.080+/-0.575 χ^2/NDF: 18936731.5/59

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4588.975+/-395.901 χ^2/NDF: 16.0/33

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3742.432+/-400.458 χ^2/NDF: 28.6/36

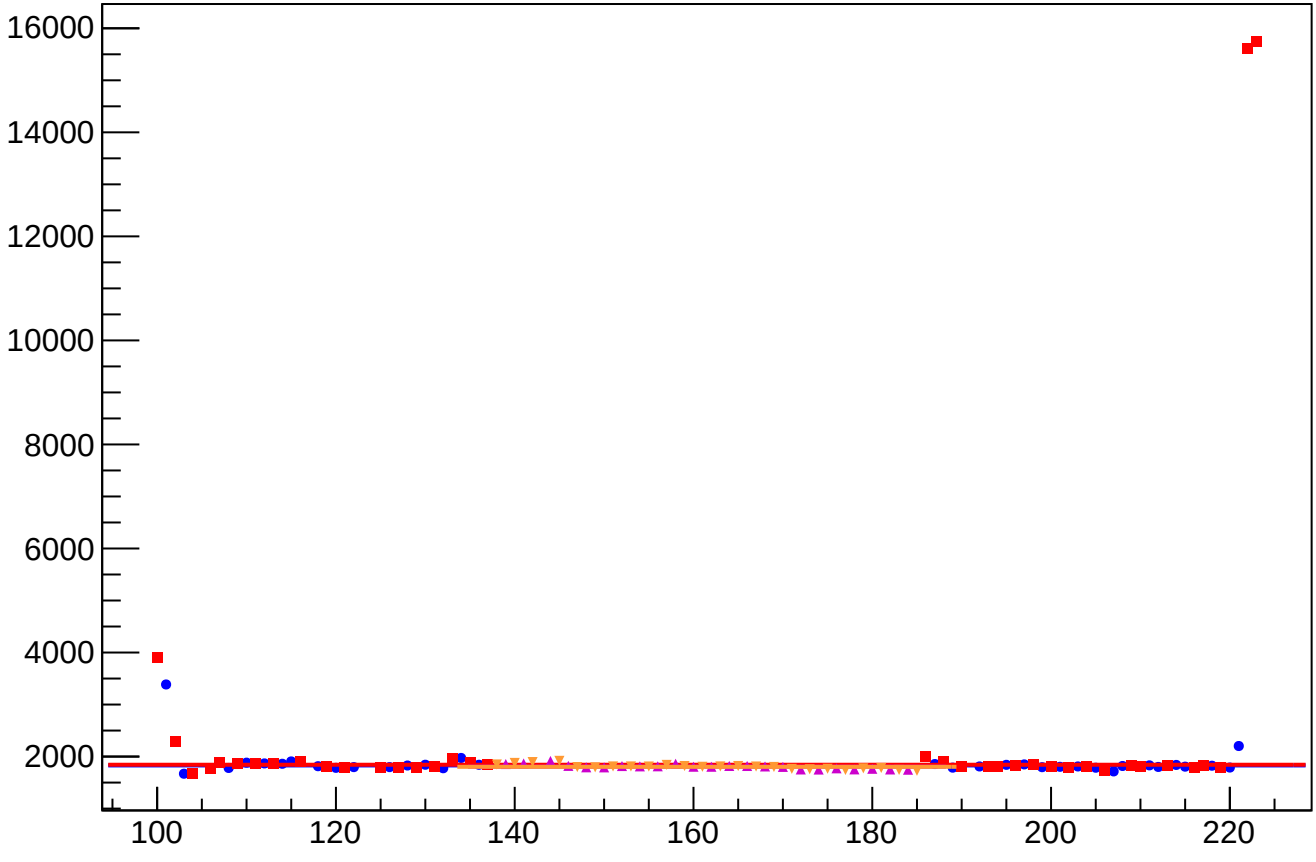
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

\+ sign 3927.087+/-287.640 χ^2/NDF: 41.7/57

All: -85.645+/-204.355 χ^2/NDF: 493.5/117

\- sign -4175.269+/-290.383 χ^2/NDF: 58.8/59

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1829.594+/-0.280 χ^2/NDF: 336069.4/33

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

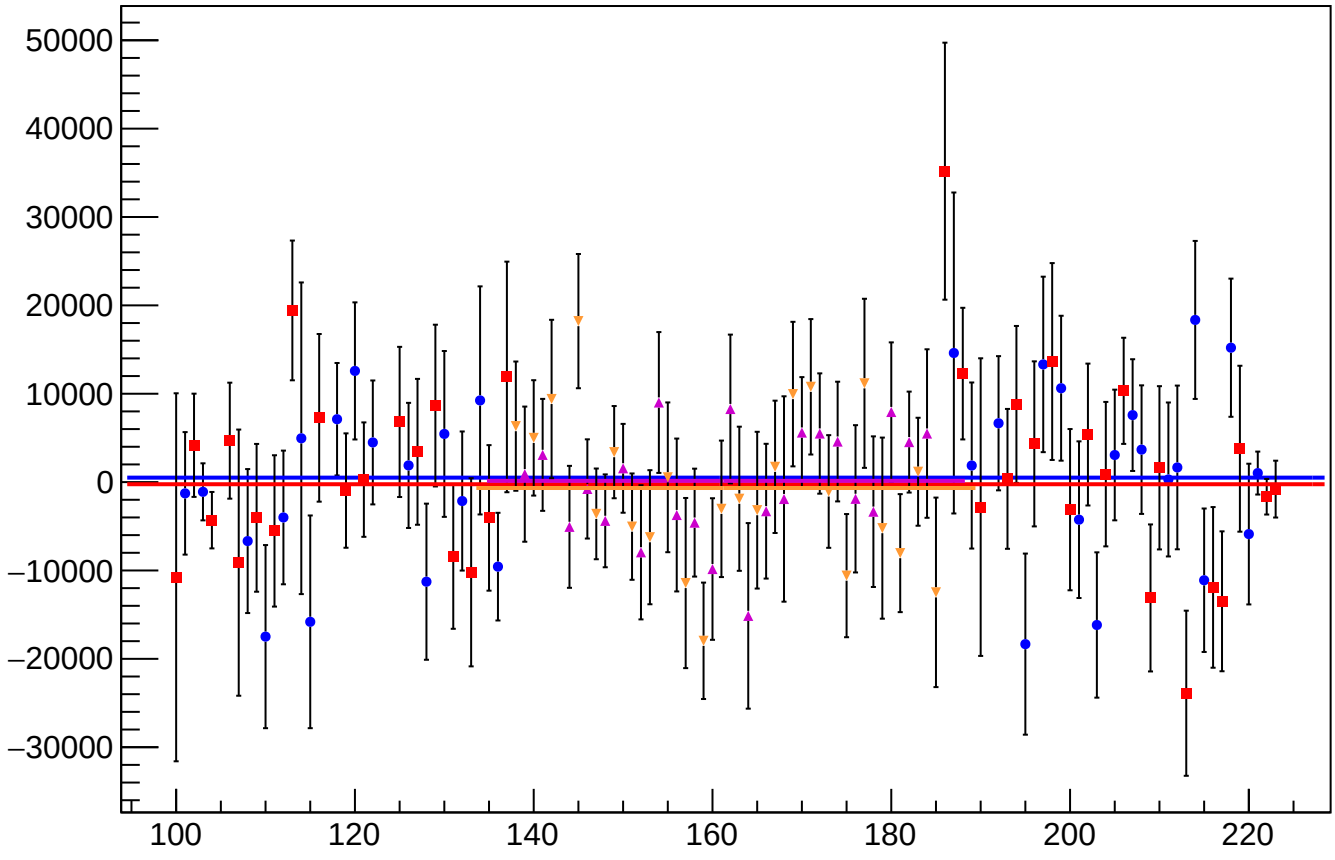
Right Out: 1842.924+/-0.283 χ^2/NDF: 2262676.2/36

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.093+/-0.203 χ^2/NDF: 360934.7/57

All: 1821.121+/-0.144 χ^2/NDF: 2651981.2/11

- sign 1825.223+/-0.205 χ^2/NDF: 2290254.8/59



Right In: 505.729+/-1167.567 χ^2/NDF: 39.7/33

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -240.506+/-1048.145 χ^2/NDF: 44.9/36

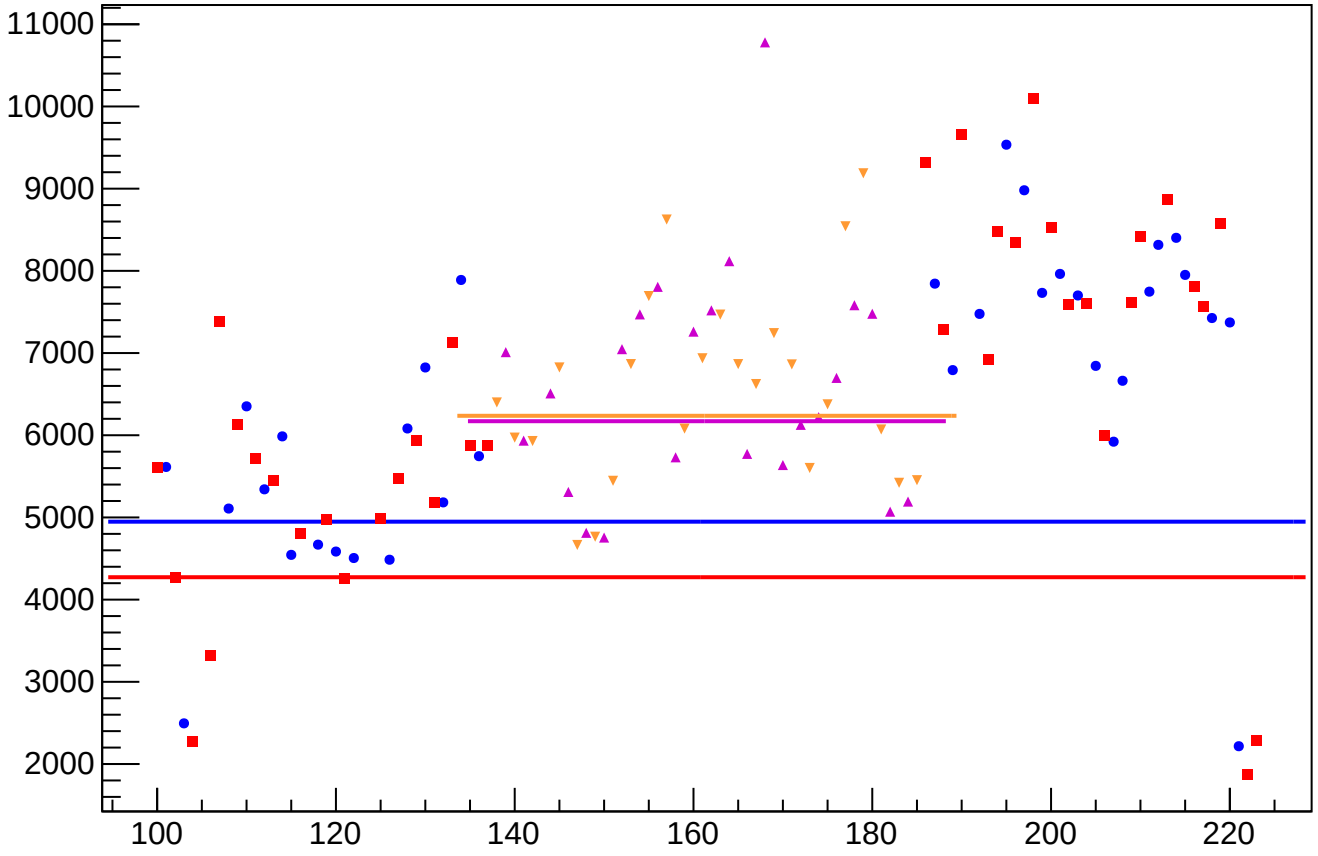
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign 55.309+/-916.375 χ^2/NDF: 69.8/57

All: -33.879+/-624.635 χ^2/NDF: 128.4/117

- sign -111.282+/-853.688 χ^2/NDF: 58.5/59

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4948.384+/-0.826 χ^2/NDF: 7515504.4/33

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

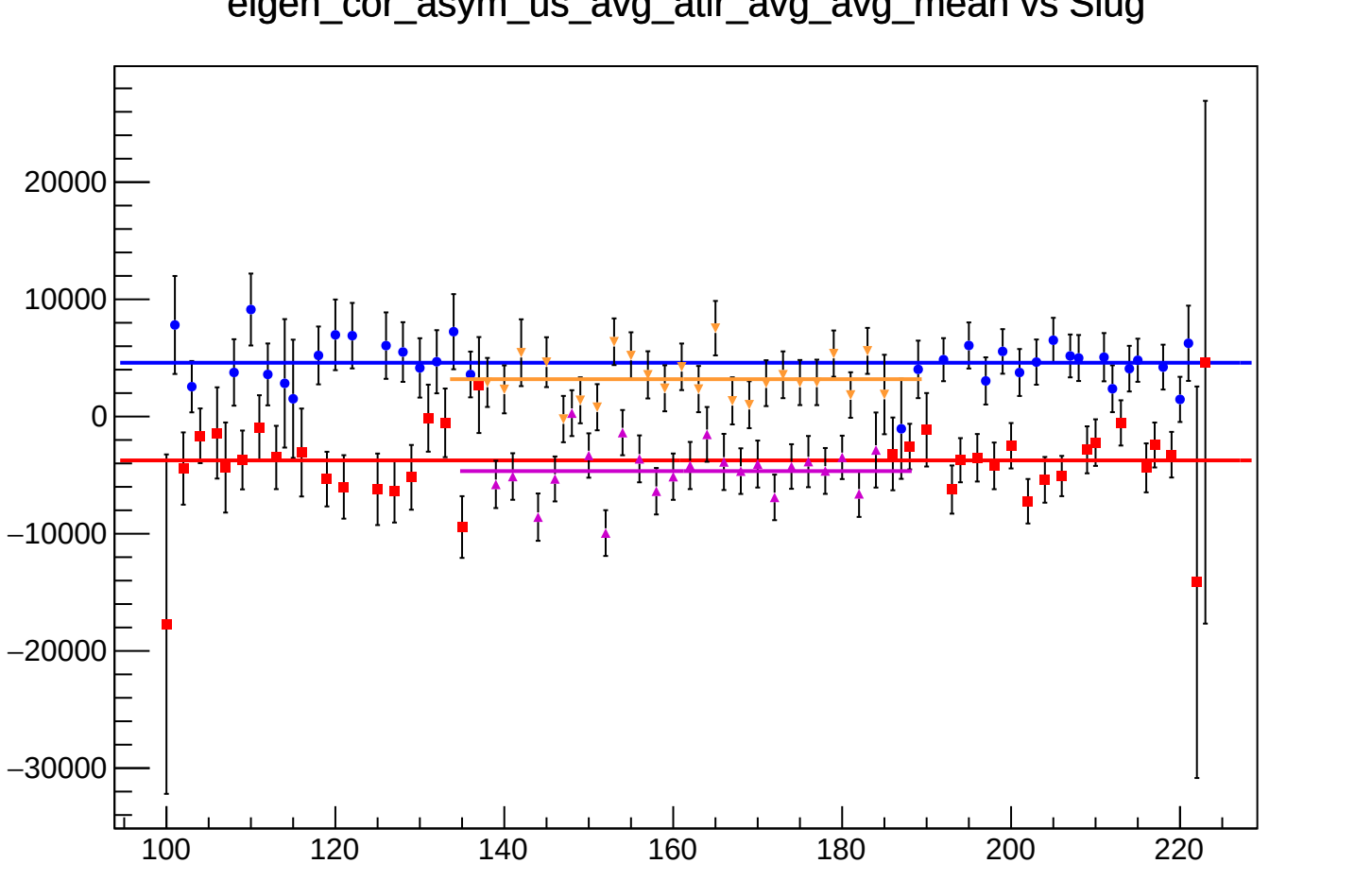
Right Out: 4272.677+/-0.741 χ^2/NDF: 11090177.7/36

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5443.069+/-0.648 χ^2/NDF: 9518135.7/57

All: 5158.558+/-0.442 χ^2/NDF: 24413908.0/1

- sign 4911.640+/-0.604 χ^2/NDF: 14535667.8/59



Right In: 4588.975+/-395.901 χ^2/NDF: 16.0/33

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3742.432+/-400.458 χ^2/NDF: 28.6/36

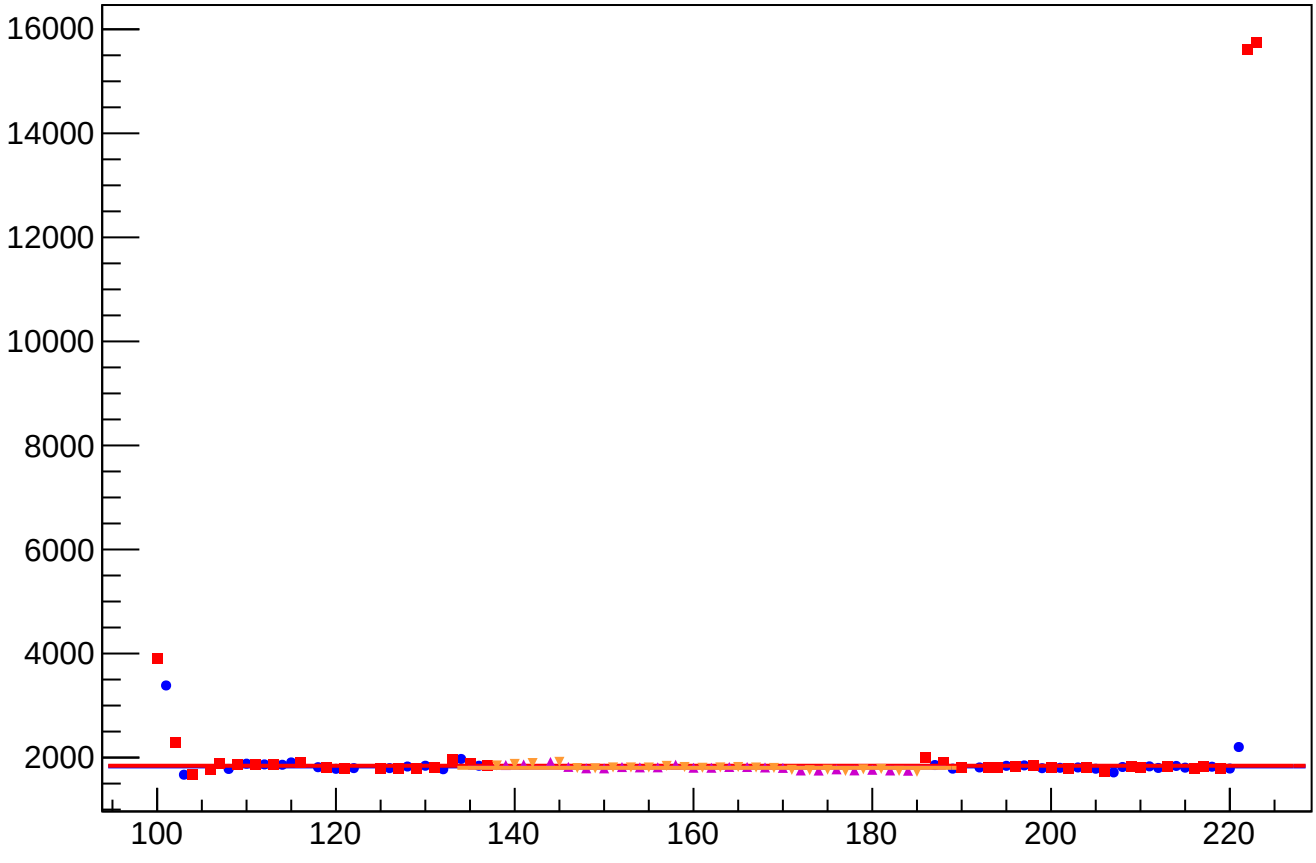
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3927.087+/-287.640 χ^2/NDF: 41.7/57

All: -85.645+/-204.355 χ^2/NDF: 493.5/117

- sign -4175.269+/-290.383 χ^2/NDF: 58.8/59

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1829.594+/-0.280 χ^2/NDF: 336069.4/33

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

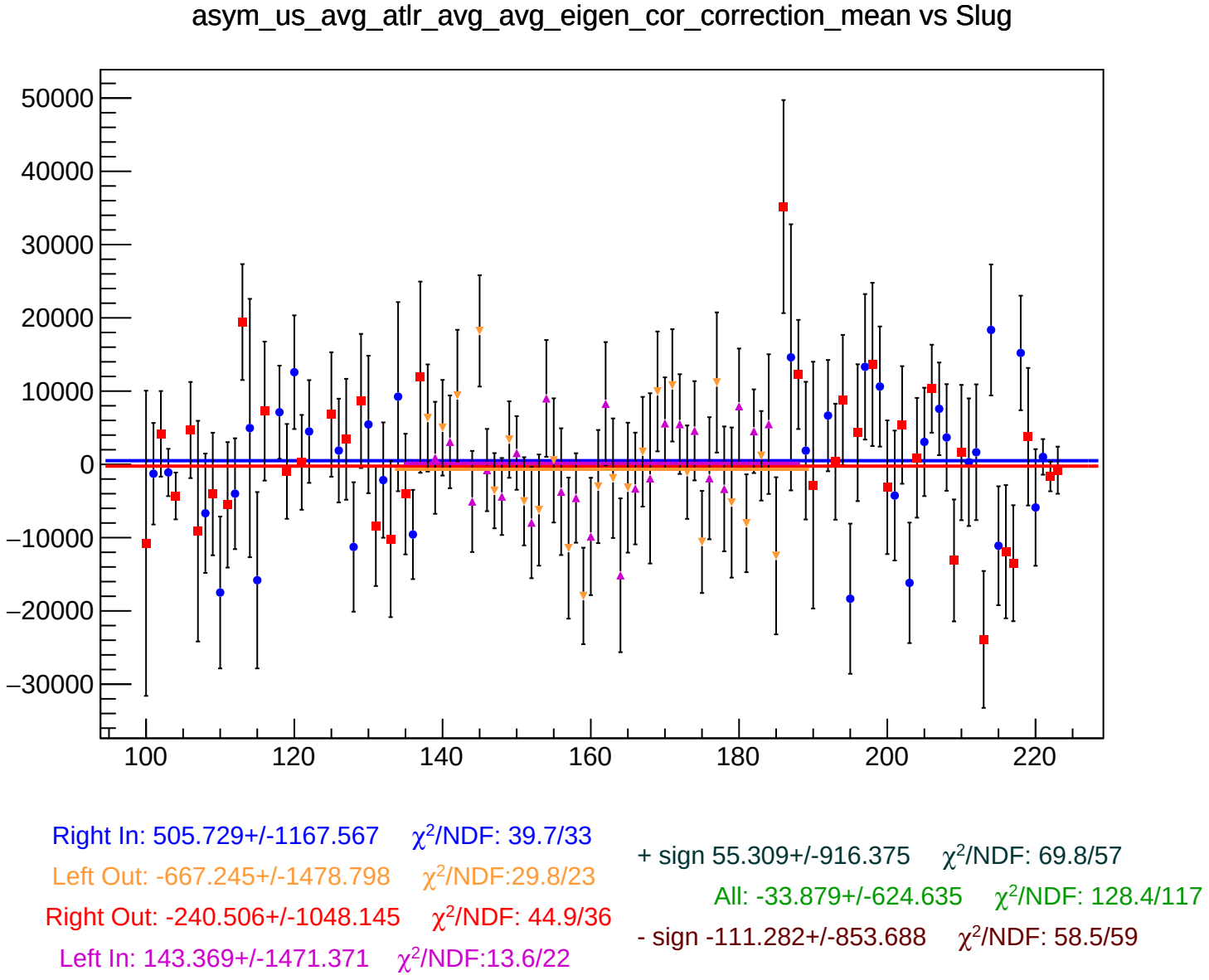
Right Out: 1842.924+/-0.283 χ^2/NDF: 2262676.2/36

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.093+/-0.203 χ^2/NDF: 360934.7/57

All: 1821.121+/-0.144 χ^2/NDF: 2651981.2/11

- sign 1825.223+/-0.205 χ^2/NDF: 2290254.8/59


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
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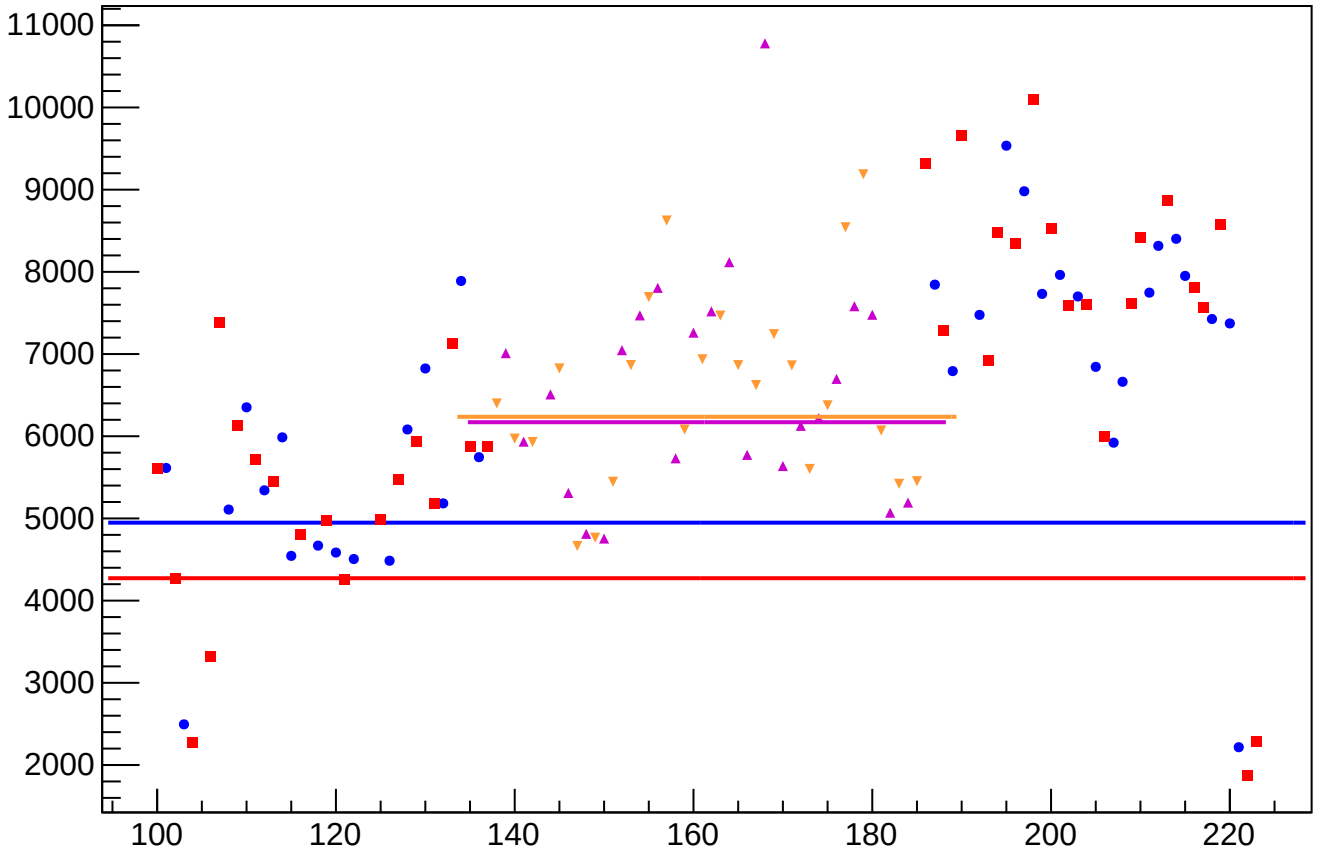
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 505.729+/-1167.567 χ²/NDF: 39.7/33
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -240.506+/-1048.145 χ²/NDF: 44.9/36
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign 55.309+/-916.375 χ²/NDF: 69.8/57
All: -33.879+/-624.635 χ²/NDF: 128.4/117
- sign -111.282+/-853.688 χ²/NDF: 58.5/59



Right In: 4948.384+/-0.826 χ^2/NDF: 7515504.4/33

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

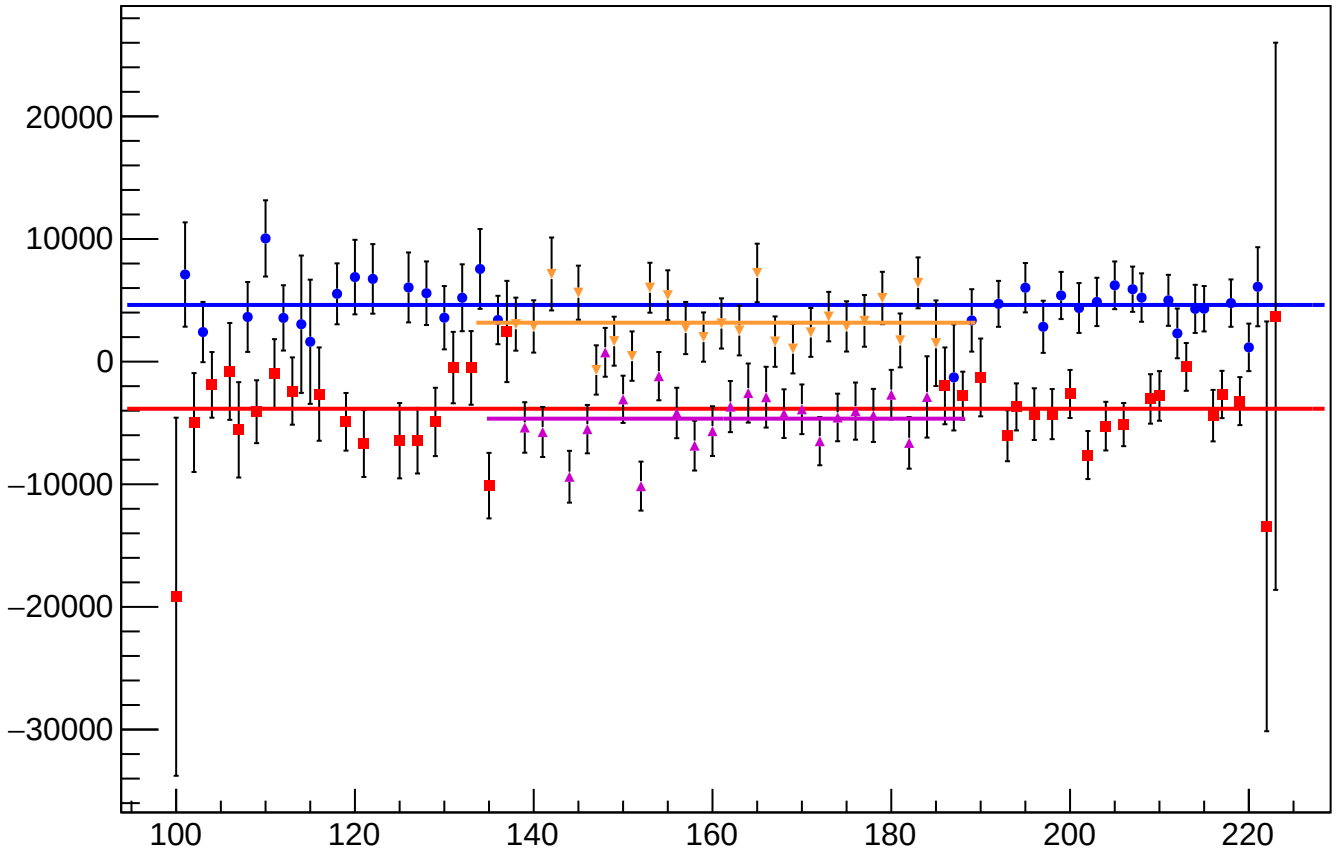
Right Out: 4272.677+/-0.741 χ^2/NDF: 11090177.7/36

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5443.069+/-0.648 χ^2/NDF: 9518135.7/57

All: 5158.558+/-0.442 χ^2/NDF: 24413908.0/1

- sign 4911.640+/-0.604 χ^2/NDF: 14535667.8/59



Right In: 4622.849+/-402.794 χ^2/NDF: 17.5/33

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3841.996+/-408.991 χ^2/NDF: 29.5/36

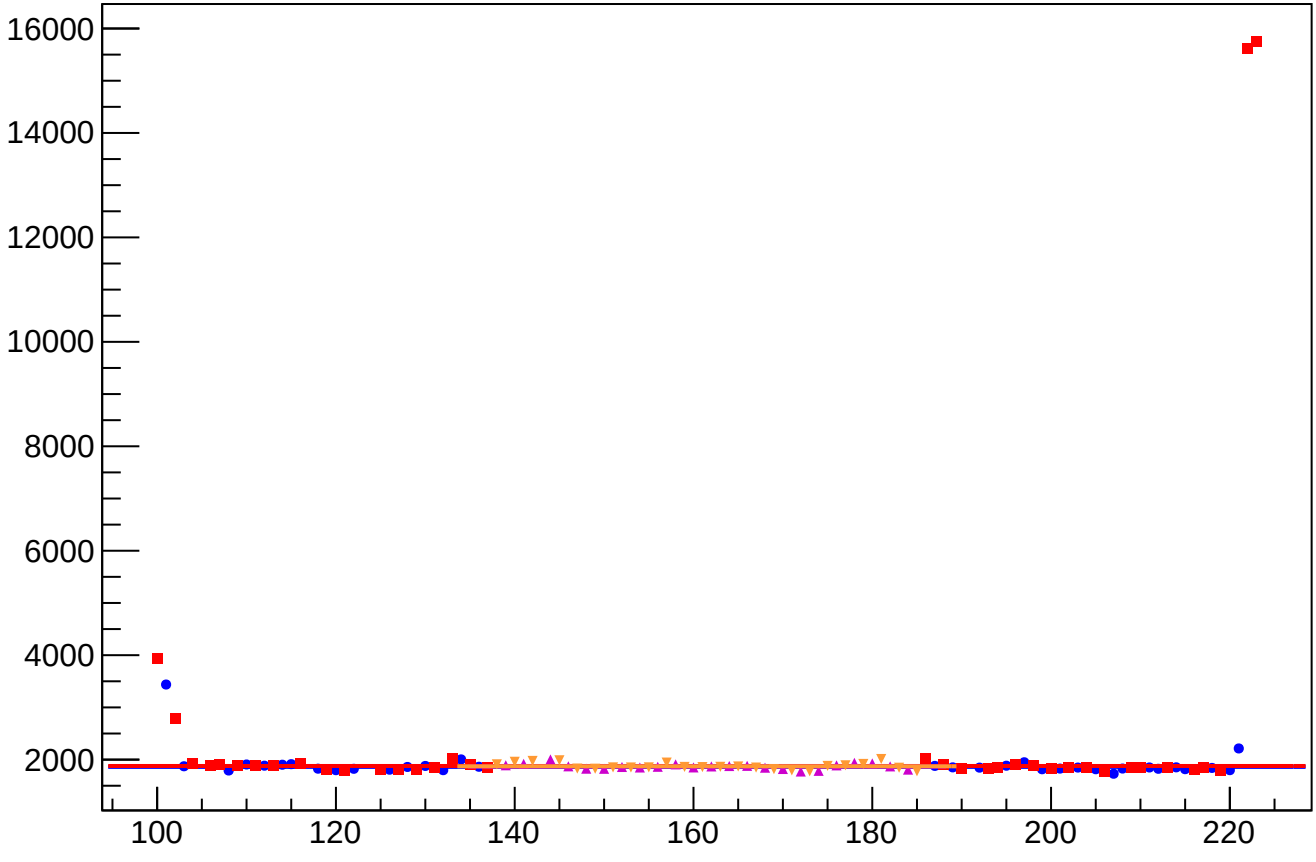
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3953.987+/-295.491 χ^2/NDF: 45.0/57

All: -93.693+/-209.949 χ^2/NDF: 485.9/117

- sign -4220.231+/-298.355 χ^2/NDF: 61.9/59

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1861.157+/-0.285 χ^2/NDF: 329804.8/33

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

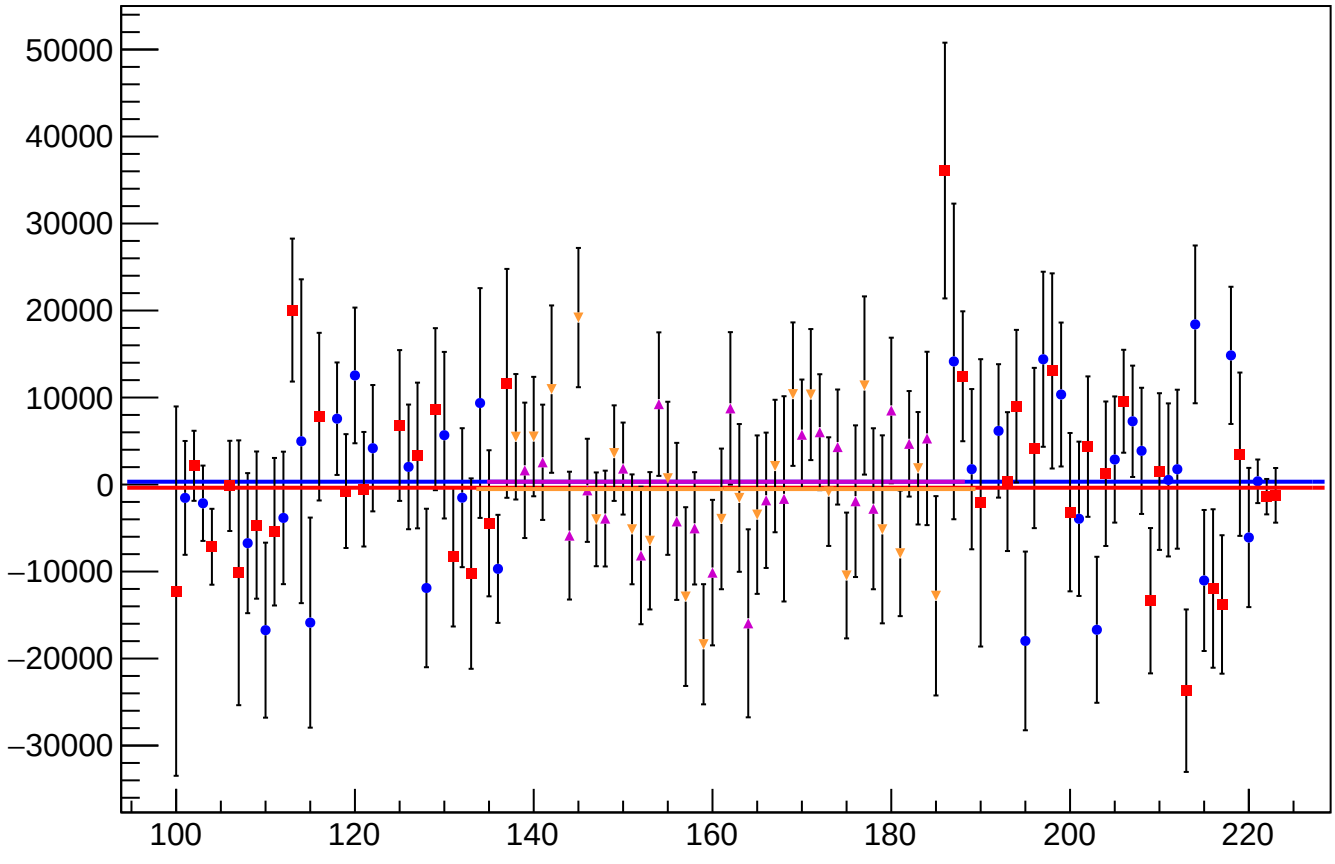
Right Out: 1878.352+/-0.289 χ^2/NDF: 2305183.0/36

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1866.155+/-0.209 χ^2/NDF: 367626.4/57

All: 1869.585+/-0.148 χ^2/NDF: 2701311.0/11

- sign 1873.080+/-0.211 χ^2/NDF: 2333140.7/59



Right In: 325.022+/-1215.536 χ^2/NDF: 39.2/33

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -367.318+/-1050.380 χ^2/NDF: 44.6/36

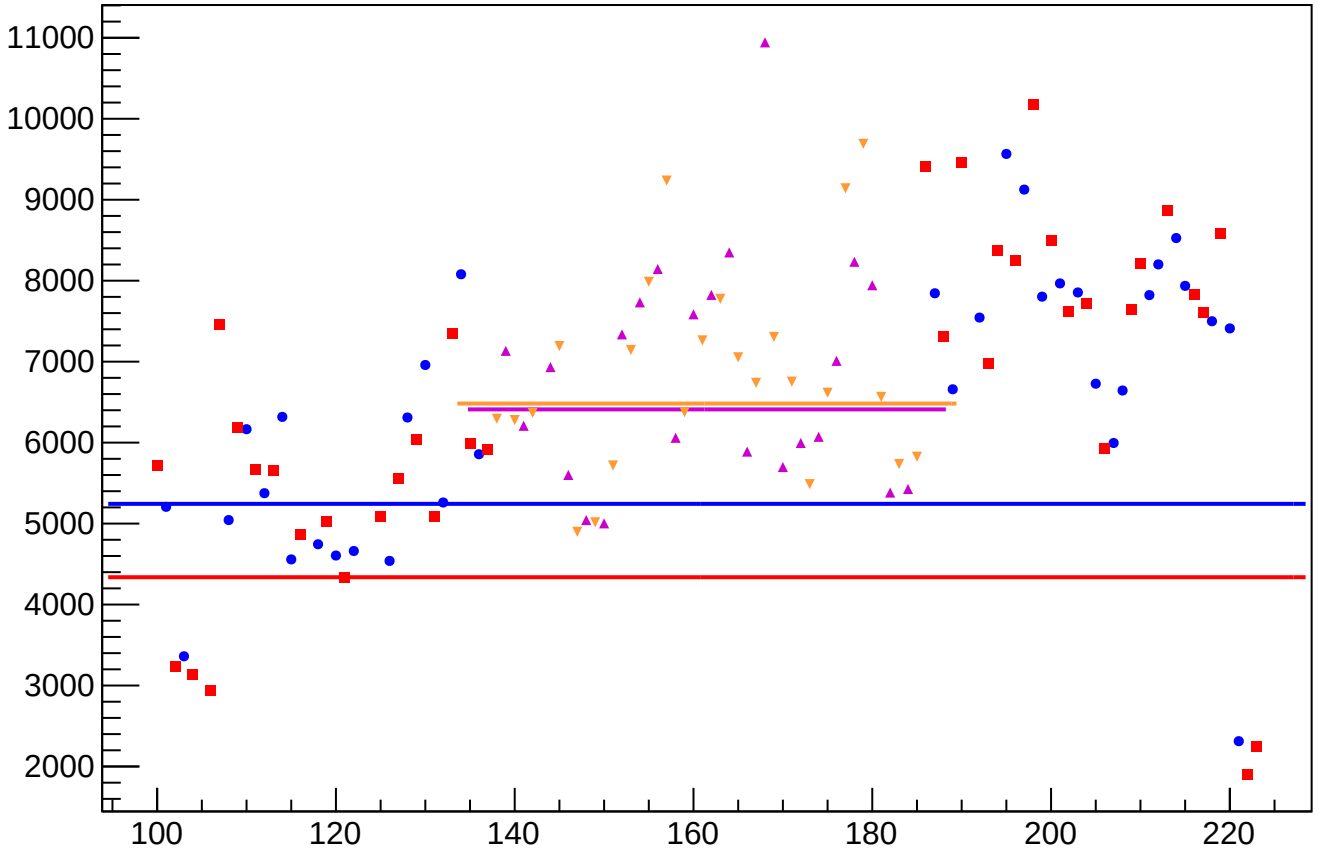
Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -0.285+/-953.363 χ^2/NDF: 68.5/57

All: -79.757+/-640.853 χ^2/NDF: 126.7/117

- sign -145.269+/-865.588 χ^2/NDF: 58.2/59

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 5243.817+/-0.860 χ^2/NDF: 6265294.2/33

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

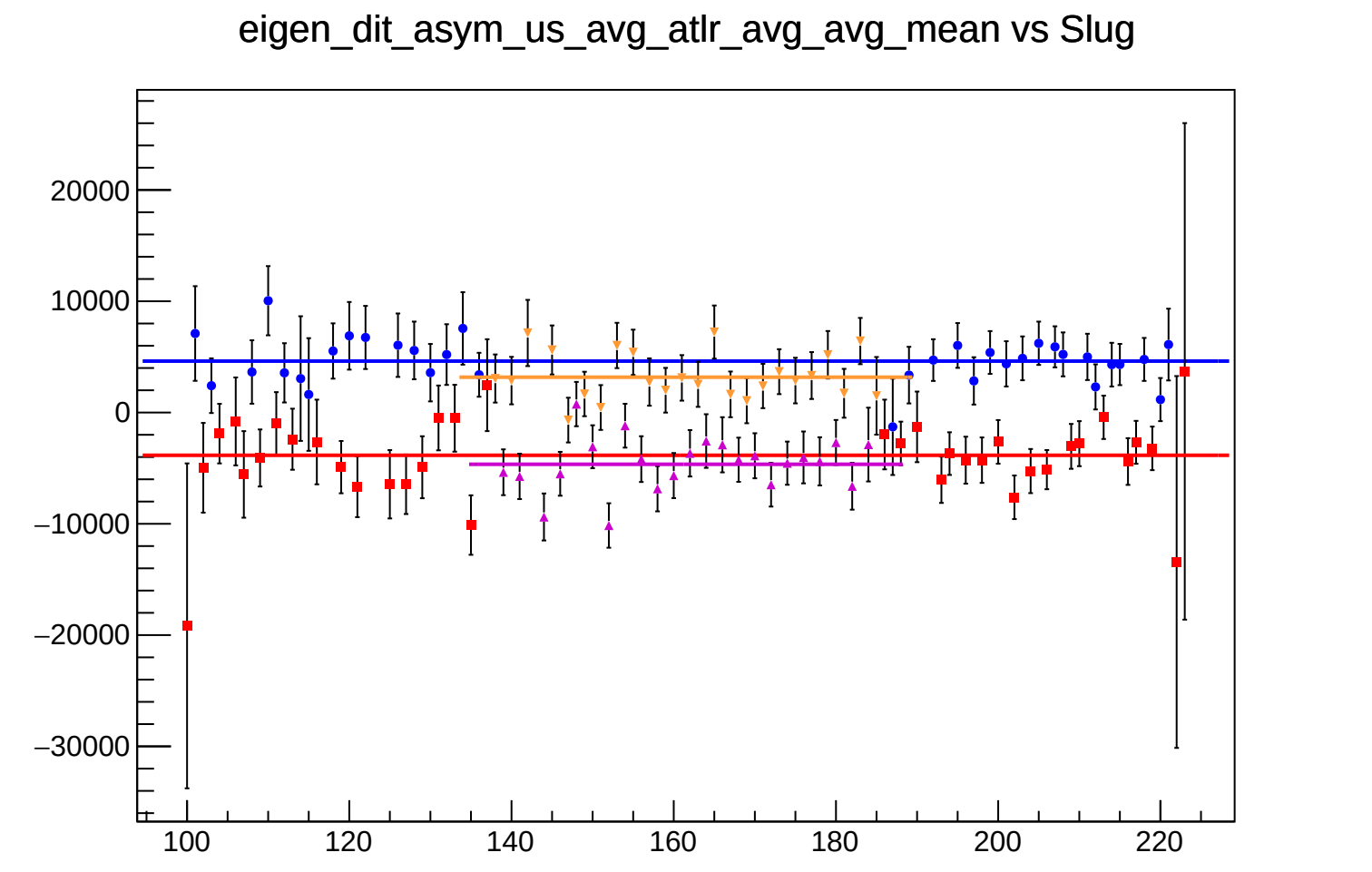
Right Out: 4337.632+/-0.743 χ^2/NDF: 10640325.7/36

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5720.612+/-0.674 χ^2/NDF: 8139468.1/57

All: 5327.150+/-0.453 χ^2/NDF: 23120439.8/1

- sign 5002.803+/-0.612 χ^2/NDF: 14359493.5/59



Right In: 4622.846+/-402.794 χ^2/NDF: 17.5/33

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3841.995+/-408.991 χ^2/NDF: 29.5/36

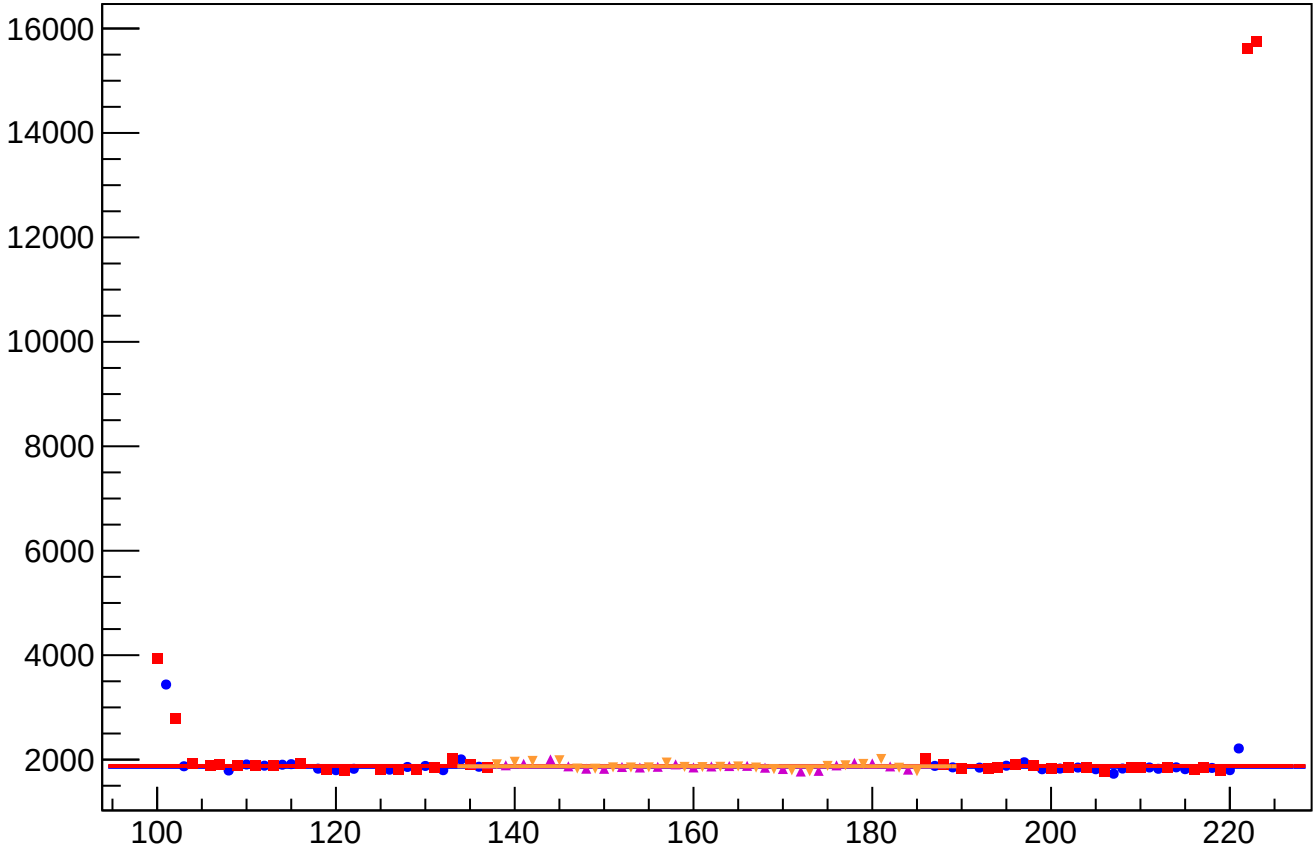
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3953.982+/-295.491 χ^2/NDF: 45.0/57

All: -93.695+/-209.949 χ^2/NDF: 485.9/117

- sign -4220.231+/-298.355 χ^2/NDF: 61.9/59

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1861.157+/-0.285 χ^2/NDF: 329804.8/33

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

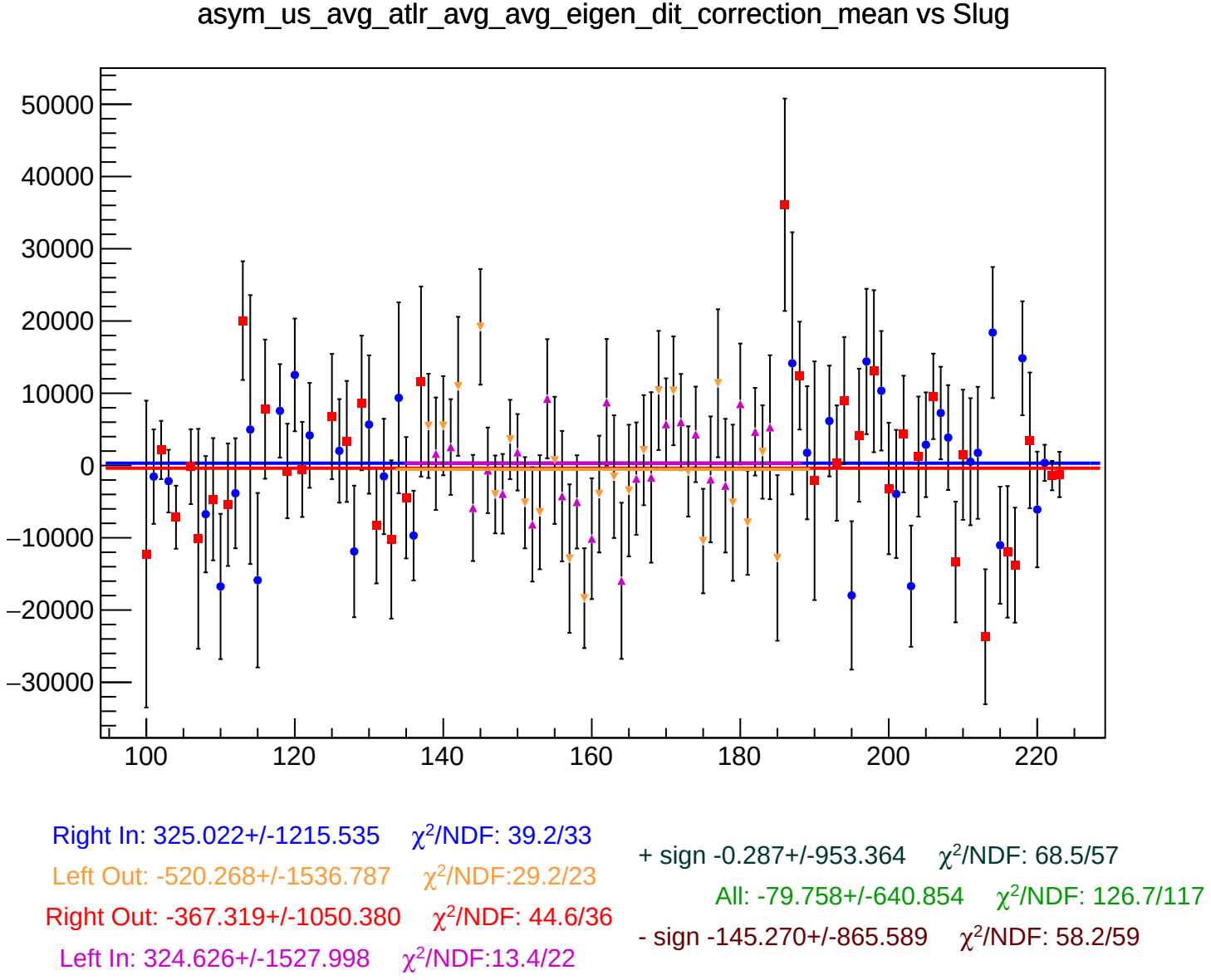
Right Out: 1878.351+/-0.289 χ^2/NDF: 2305182.2/36

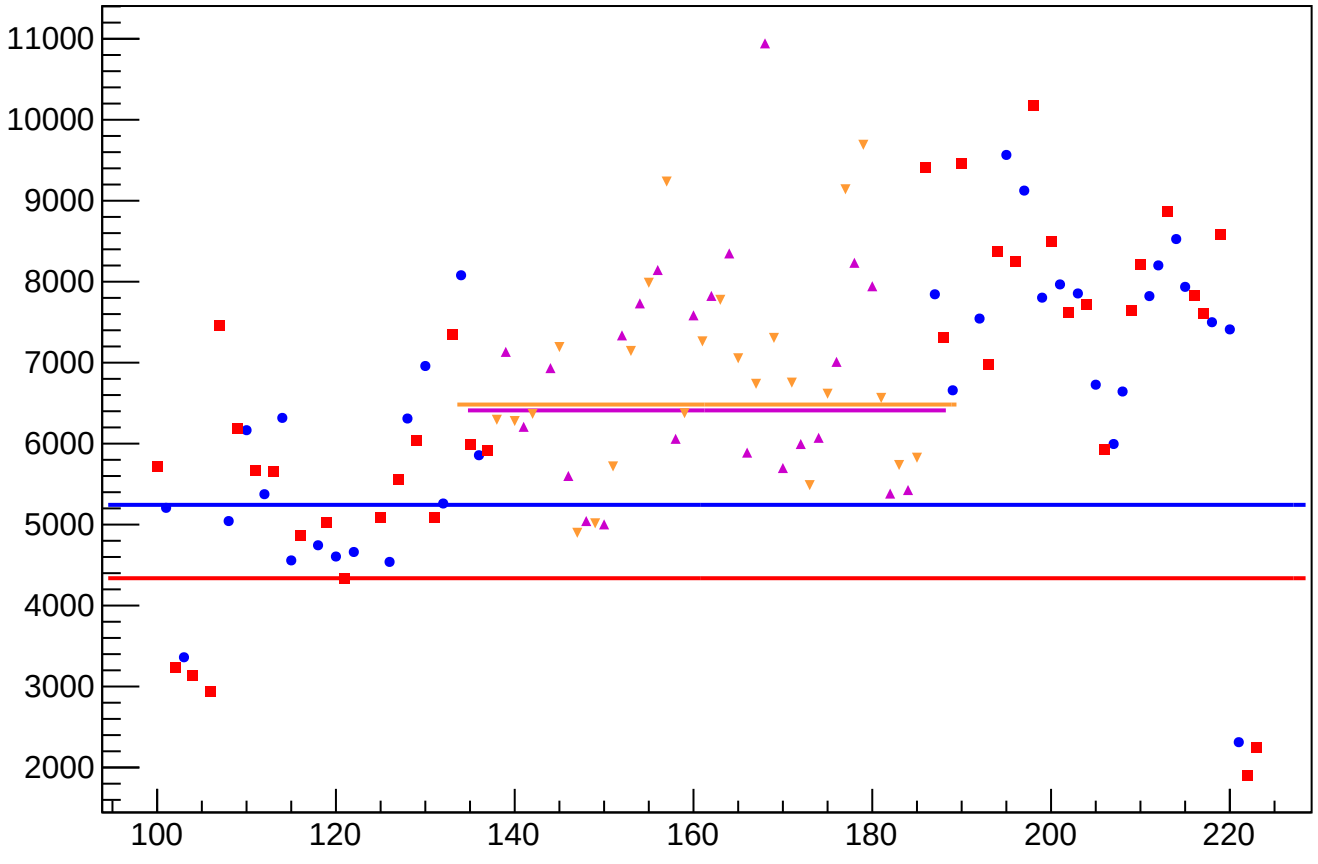
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1866.156+/-0.209 χ^2/NDF: 367627.6/57

All: 1869.585+/-0.148 χ^2/NDF: 2701312.5/11

- sign 1873.080+/-0.211 χ^2/NDF: 2333140.9/59


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
220
Right In: 325.022+/-1215.535 χ²/NDF: 39.2/33
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -367.319+/-1050.380 χ²/NDF: 44.6/36
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -0.287+/-953.364 χ²/NDF: 68.5/57
All: -79.758+/-640.854 χ²/NDF: 126.7/117
- sign -145.270+/-865.589 χ²/NDF: 58.2/59



Right In: 5243.815+/-0.860 χ^2/NDF: 6265309.7/33

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4337.632+/-0.743 χ^2/NDF: 10640317.1/36

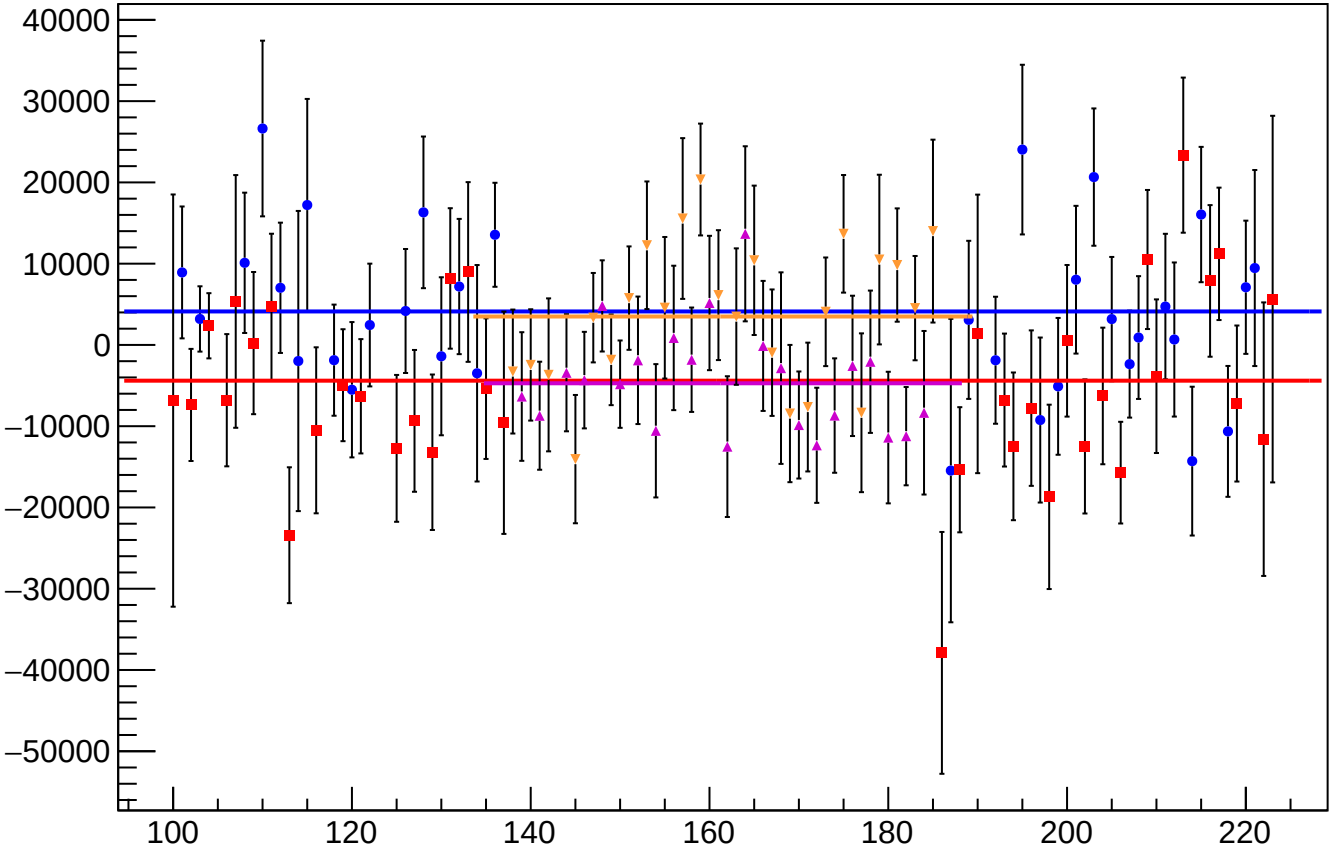
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5720.614+/-0.674 χ^2/NDF: 8139500.9/57

All: 5327.152+/-0.453 χ^2/NDF: 23120483.3/1

- sign 5002.805+/-0.612 χ^2/NDF: 14359505.6/59

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4120.885+/-1422.406 χ^2/NDF: 36.7/33

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -4398.799+/-1434.067 χ^2/NDF: 47.9/36

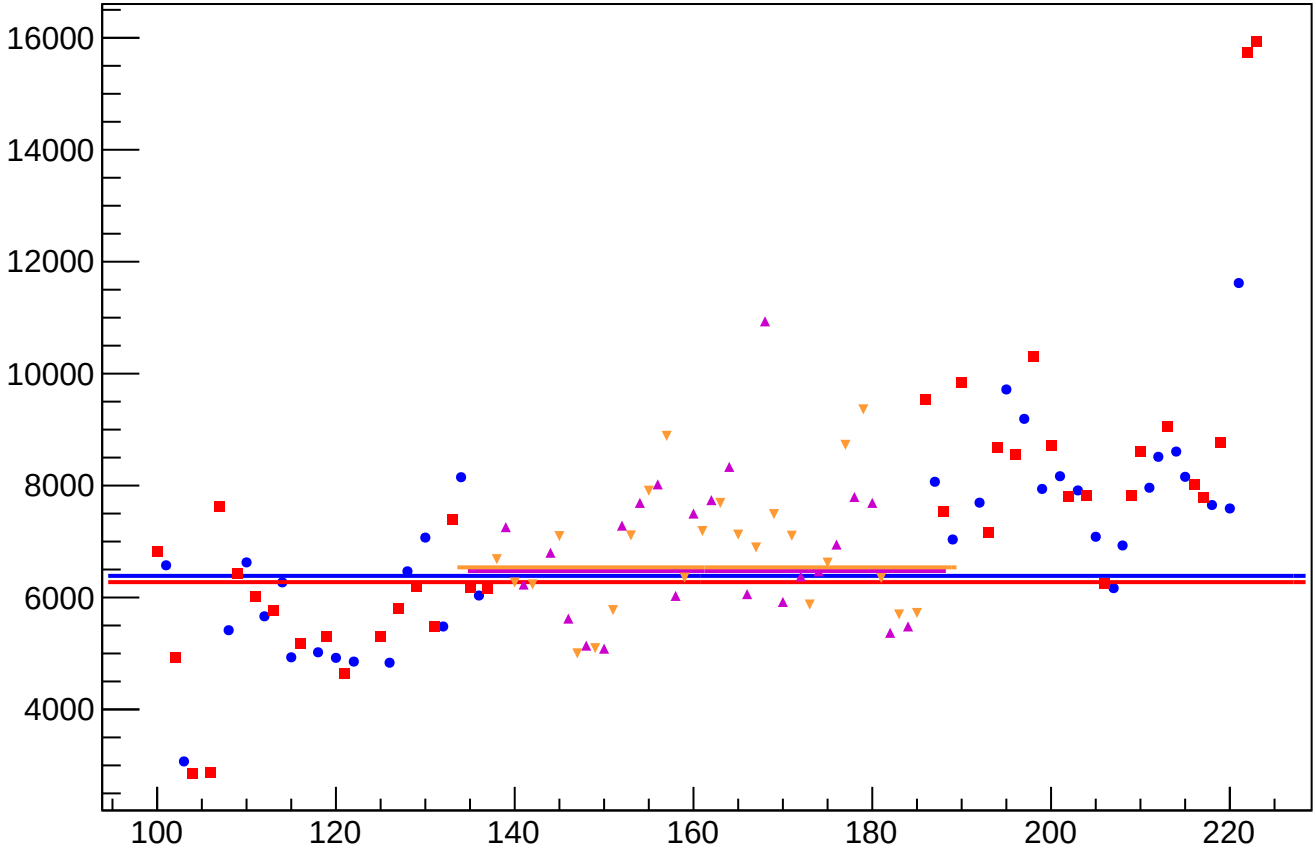
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 3834.916+/-1046.714 χ^2/NDF: 64.2/57

All: -346.394+/-741.027 χ^2/NDF: 158.4/117

- sign -4547.842+/-1049.231 χ^2/NDF: 62.2/59

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6386.624+/-1.006 χ^2/NDF: 3327687.8/33

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

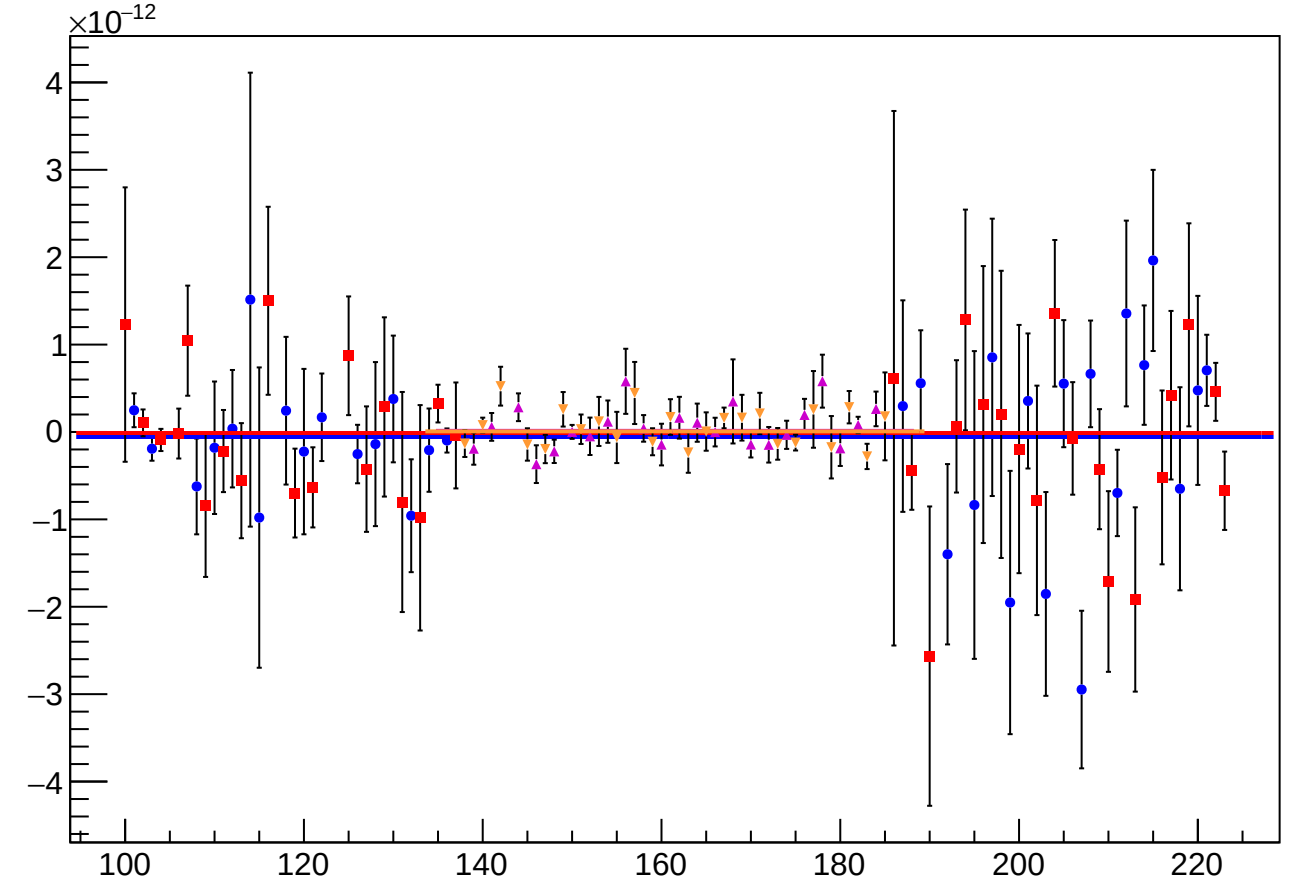
Right Out: 6274.741+/-1.002 χ^2/NDF: 5077287.2/36

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6456.351+/-0.740 χ^2/NDF: 4258782.4/57

All: 6410.987+/-0.522 χ^2/NDF: 10433351.3/1

- sign 6365.963+/-0.737 χ^2/NDF: 6167083.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

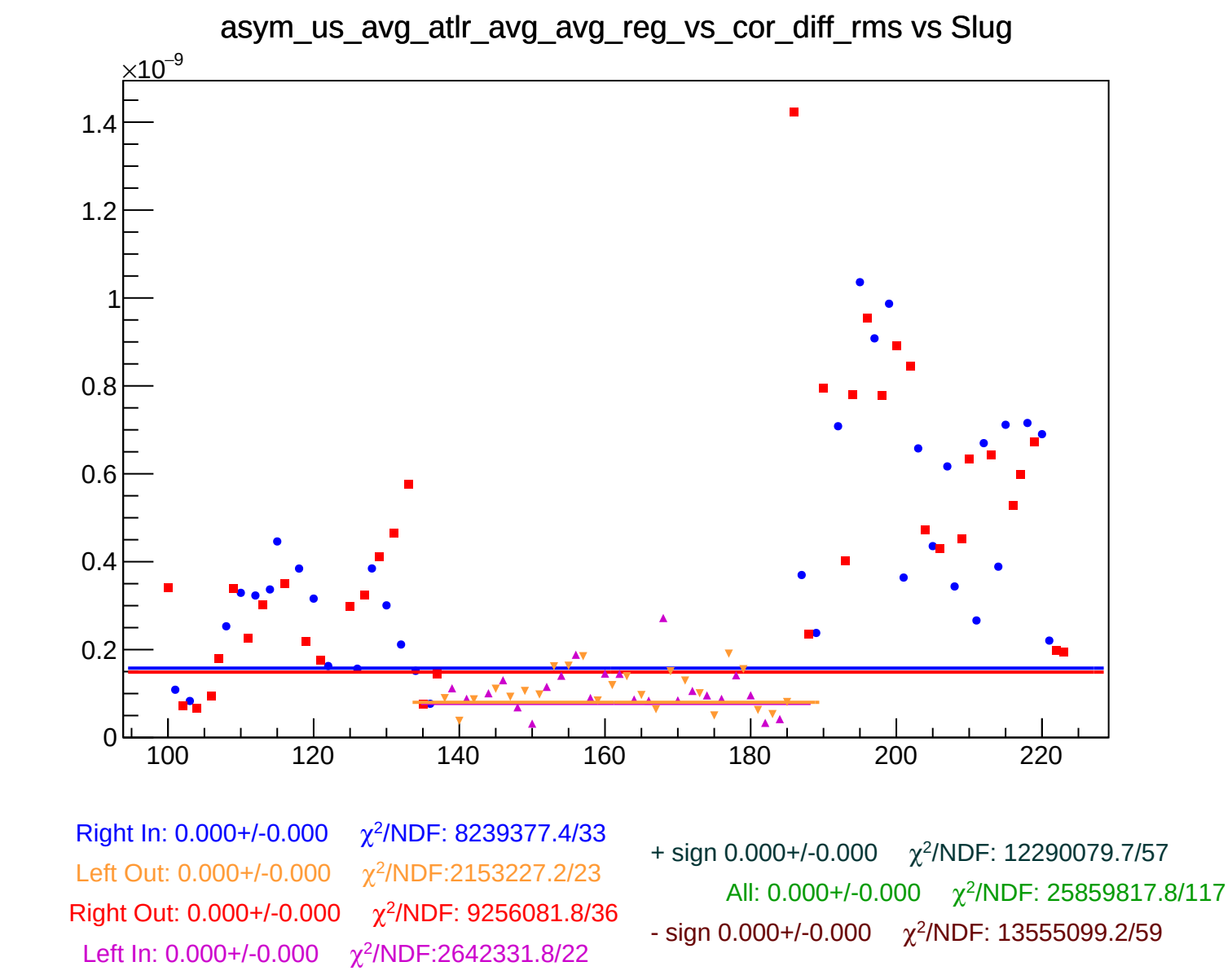
Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/36

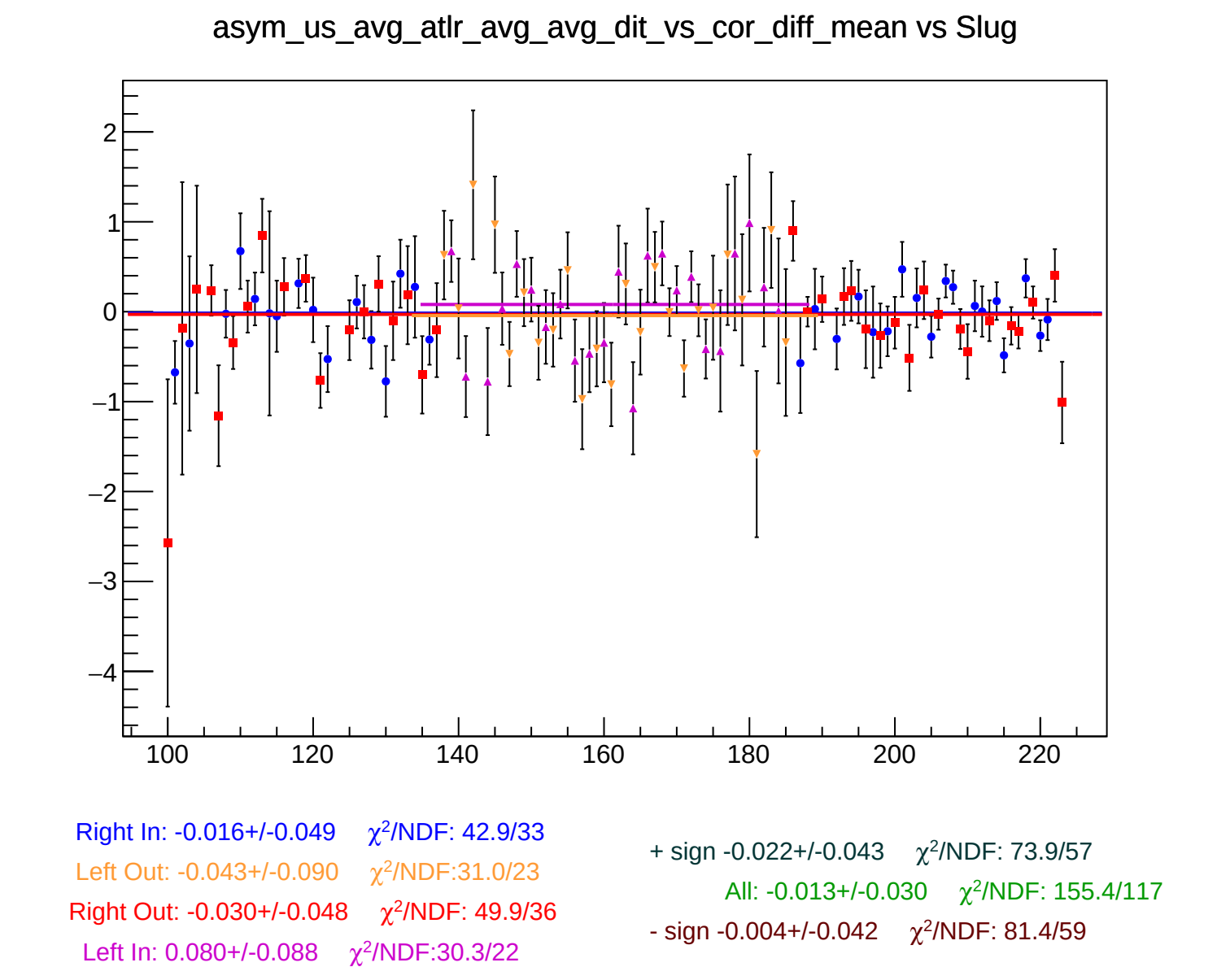
Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.9/57

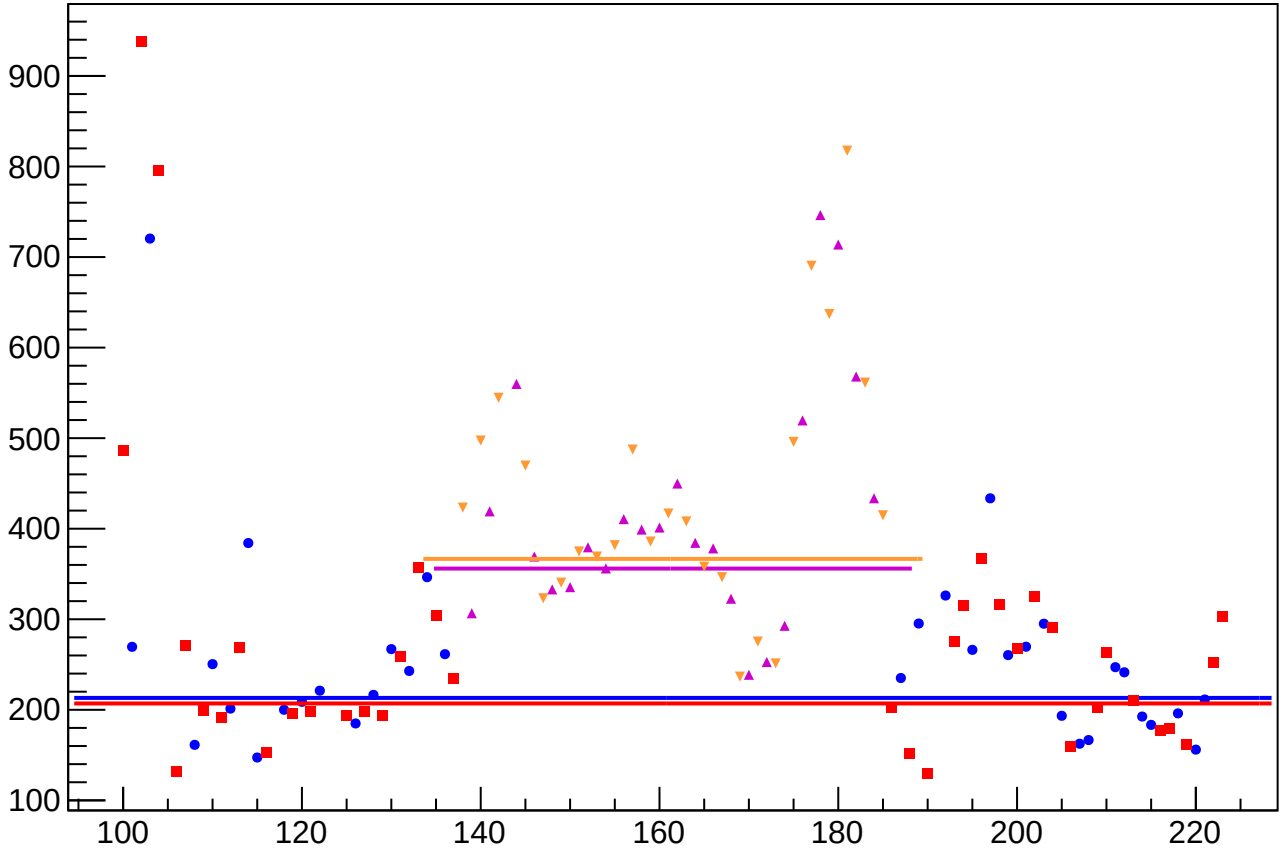
All: 0.000+/-0.000 χ^2/NDF: 129.9/117

- sign 0.000+/-0.000 χ^2/NDF: 60.9/59


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8239377.4/33
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 9256081.8/36
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
+ sign 0.000+/-0.000 χ²/NDF: 12290079.7/57
All: 0.000+/-0.000 χ²/NDF: 25859817.8/117
- sign 0.000+/-0.000 χ²/NDF: 13555099.2/59


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.016+/-0.049 χ²/NDF: 42.9/33
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.030+/-0.048 χ²/NDF: 49.9/36
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.022+/-0.043 χ²/NDF: 73.9/57
All: -0.013+/-0.030 χ²/NDF: 155.4/117
- sign -0.004+/-0.042 χ²/NDF: 81.4/59

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 213.139+/-0.034 χ^2/NDF: 2675752.0/33

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

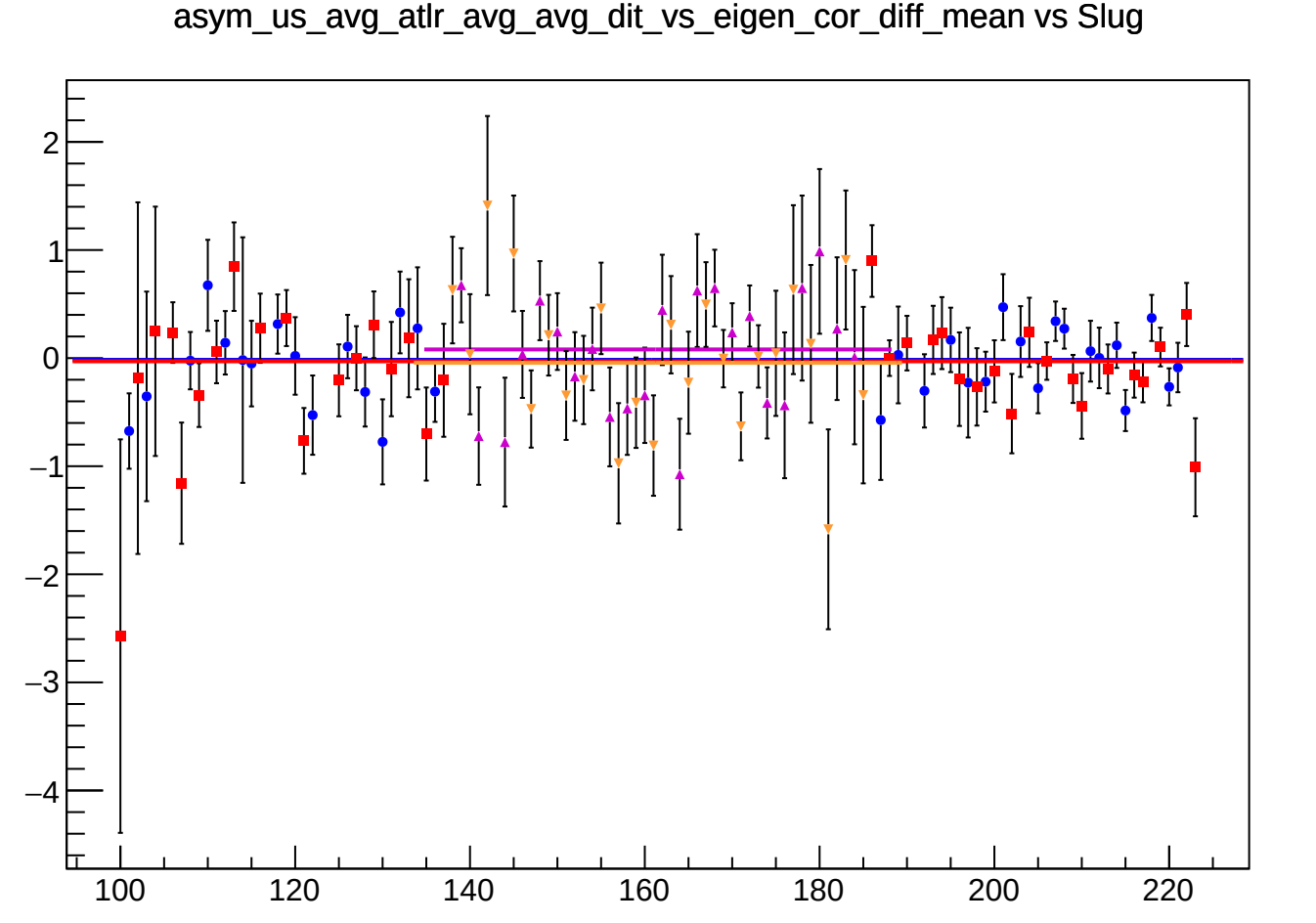
Right Out: 207.009+/-0.034 χ^2/NDF: 3737195.5/36

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 247.659+/-0.030 χ^2/NDF: 9983010.1/57

All: 244.351+/-0.021 χ^2/NDF: 20605493.6/11

- sign 241.174+/-0.030 χ^2/NDF: 10599159.8/59



Right In: -0.016+/-0.049 χ^2/NDF: 42.9/33

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

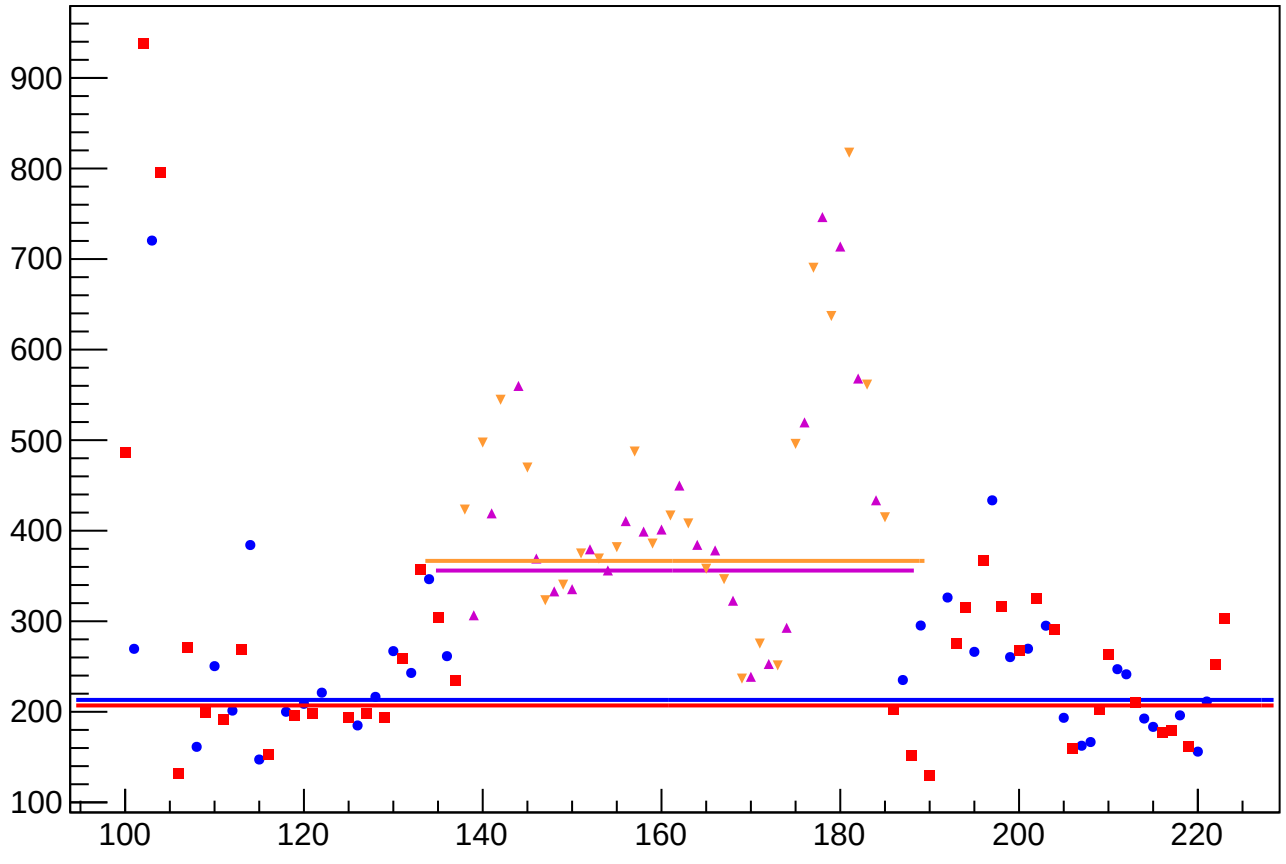
Right Out: -0.030+/-0.048 χ^2/NDF: 49.9/36

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.022+/-0.043 χ^2/NDF: 73.9/57

All: -0.013+/-0.030 χ^2/NDF: 155.4/117

- sign -0.004+/-0.042 χ^2/NDF: 81.4/59



Right In: 213.139+/-0.034 χ^2/NDF: 2675752.0/33

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

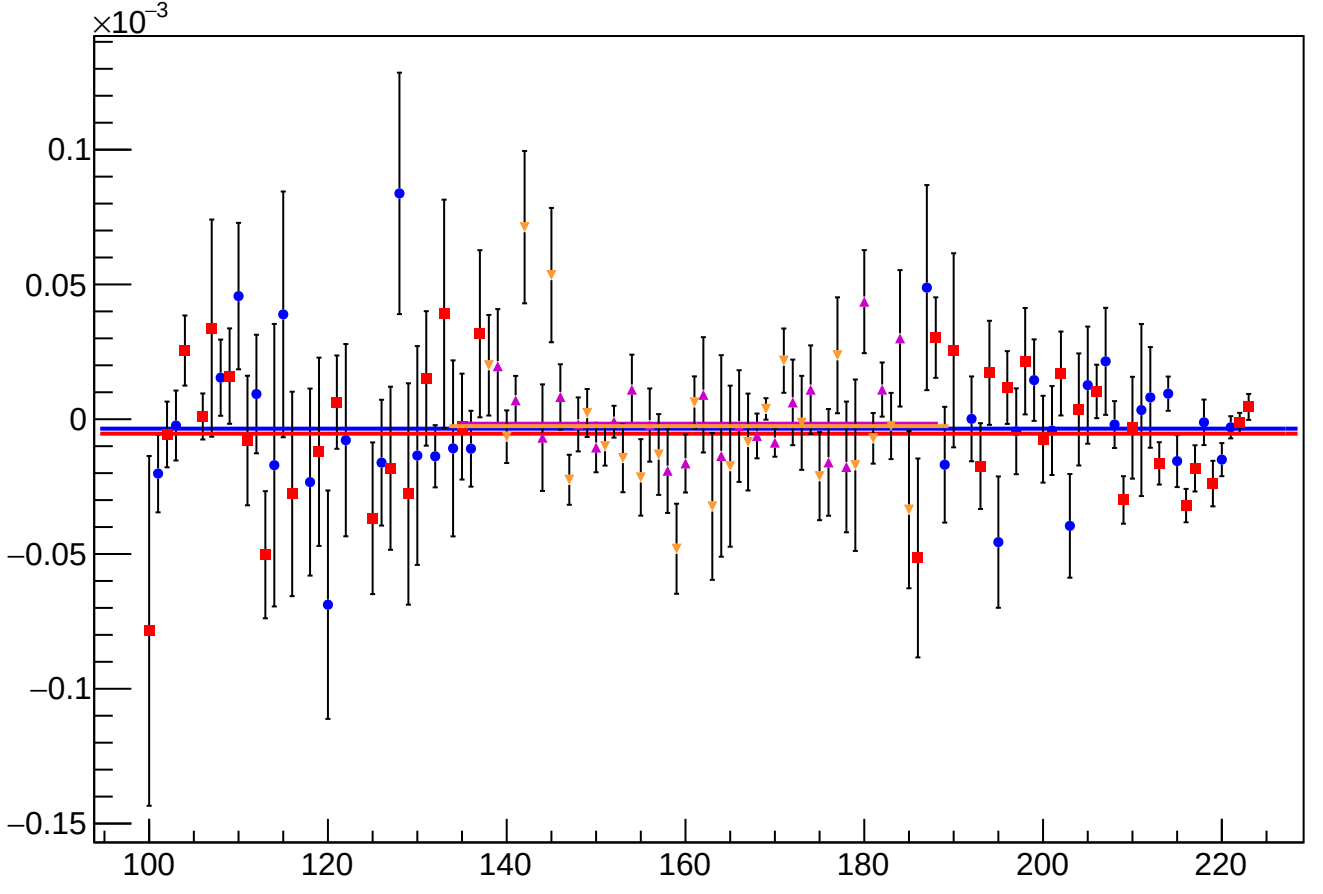
Right Out: 207.009+/-0.034 χ^2/NDF: 3737195.5/36

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 247.659+/-0.030 χ^2/NDF: 9983010.1/57

All: 244.351+/-0.021 χ^2/NDF: 20605493.6/11

- sign 241.174+/-0.030 χ^2/NDF: 10599159.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

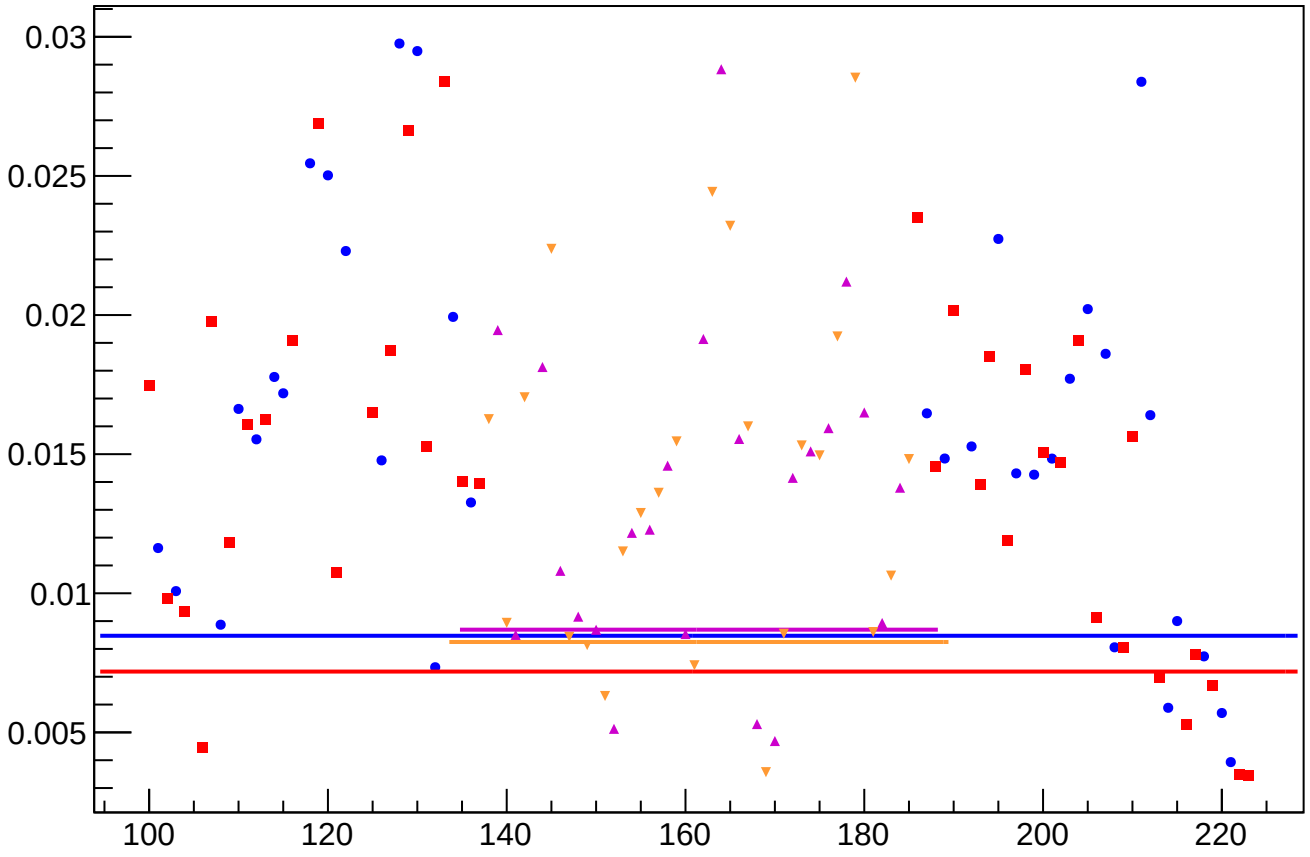
Right Out: -0.000+/-0.000 χ^2/NDF: 78.2/36

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.5/57

All: -0.000+/-0.000 χ^2/NDF: 182.1/117

- sign -0.000+/-0.000 χ^2/NDF: 100.4/59



Right In: 0.008+/-0.000 χ^2/NDF: 11456697.5/33

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

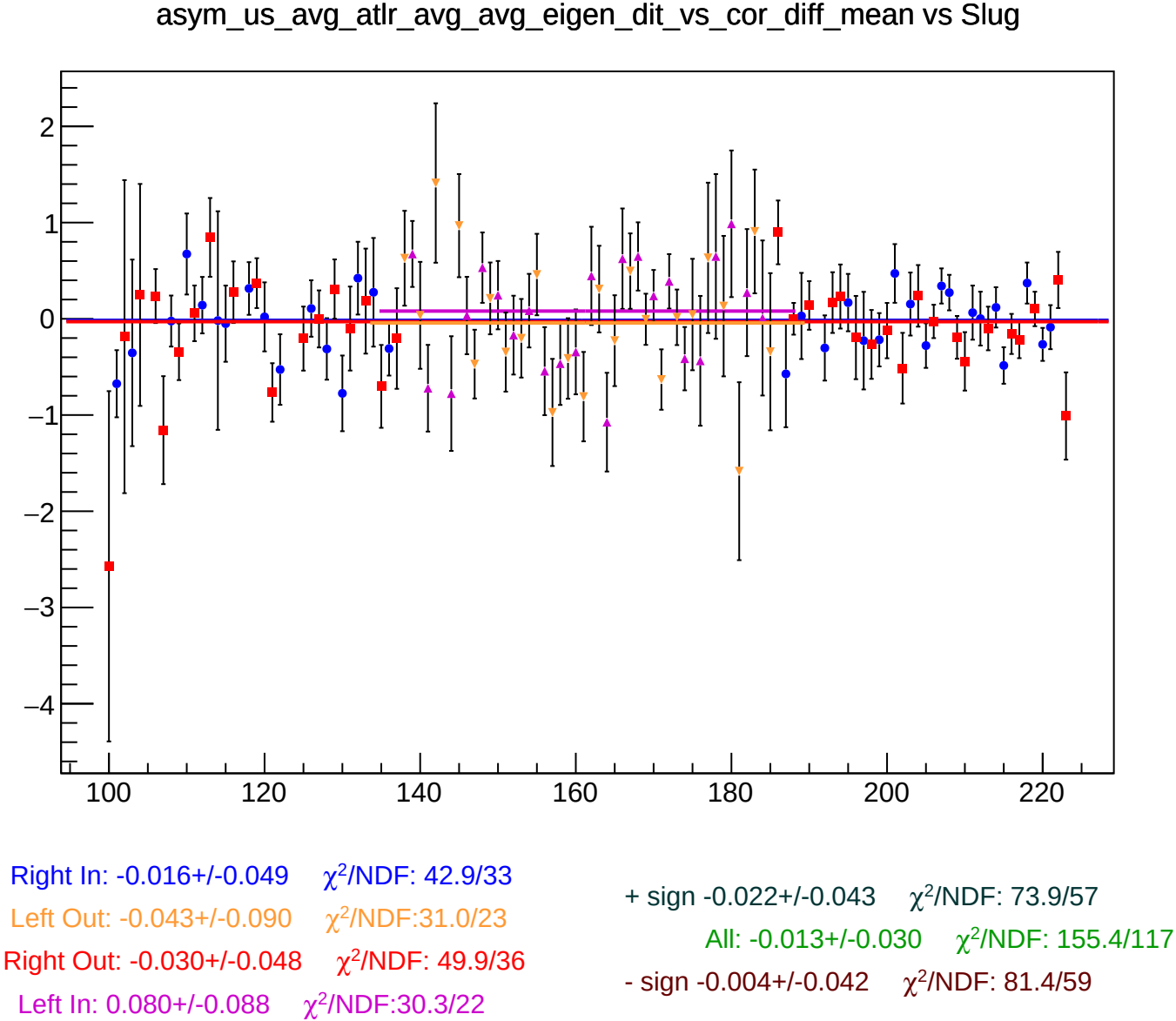
Right Out: 0.007+/-0.000 χ^2/NDF: 12762675.7/36

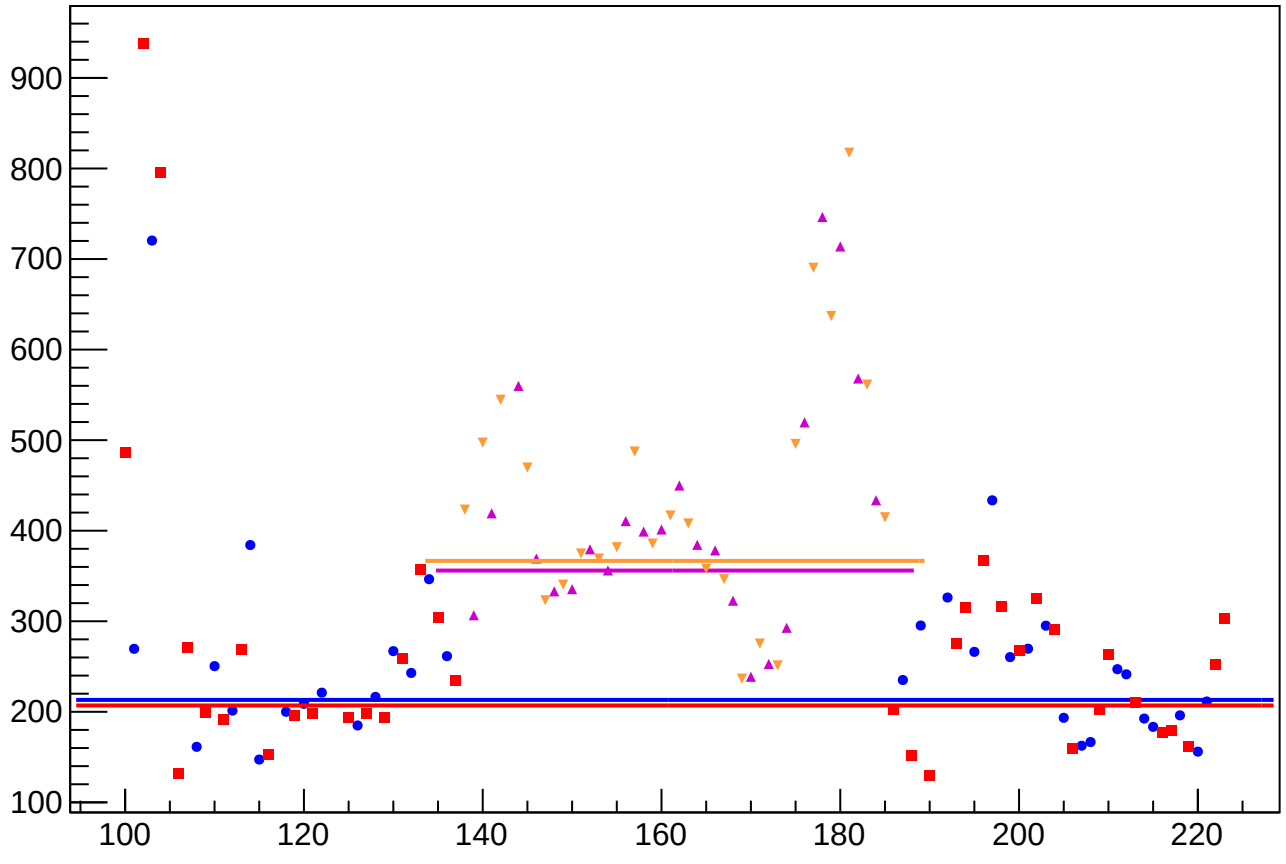
Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 20346582.5/57

All: 0.008+/-0.000 χ^2/NDF: 40648941.3/117

- sign 0.008+/-0.000 χ^2/NDF: 20142544.3/59


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.016+/-0.049 χ²/NDF: 42.9/33
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.030+/-0.048 χ²/NDF: 49.9/36
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.022+/-0.043 χ²/NDF: 73.9/57
All: -0.013+/-0.030 χ²/NDF: 155.4/117
- sign -0.004+/-0.042 χ²/NDF: 81.4/59



Right In: 213.139+/-0.034 χ^2/NDF: 2675774.3/33

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

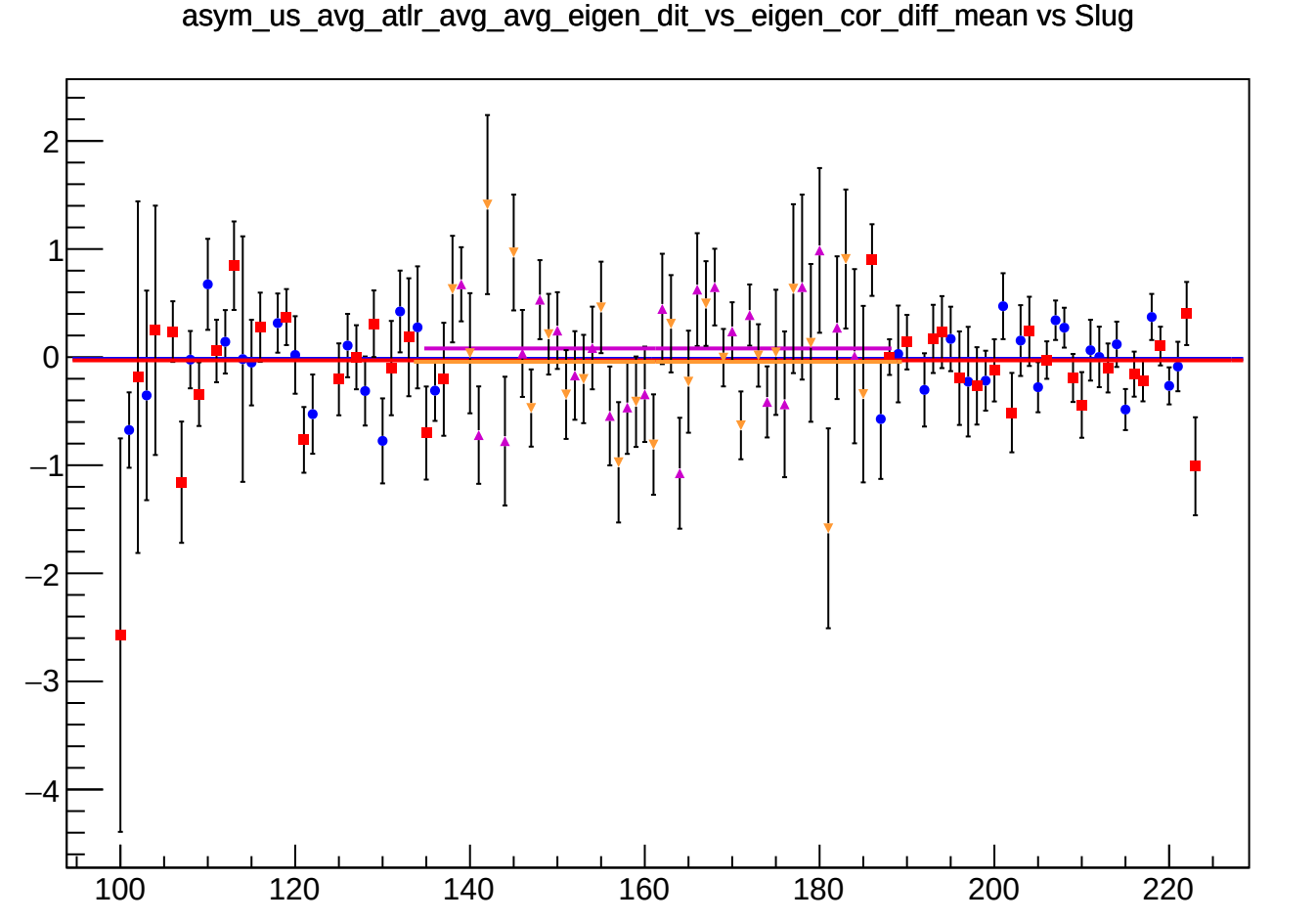
Right Out: 207.007+/-0.034 χ^2/NDF: 3737269.0/36

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 247.658+/-0.030 χ^2/NDF: 9983304.4/57

All: 244.349+/-0.021 χ^2/NDF: 20606237.8/11

- sign 241.172+/-0.030 χ^2/NDF: 10599600.2/59



Right In: -0.016+/-0.049 χ^2/NDF: 42.9/33

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

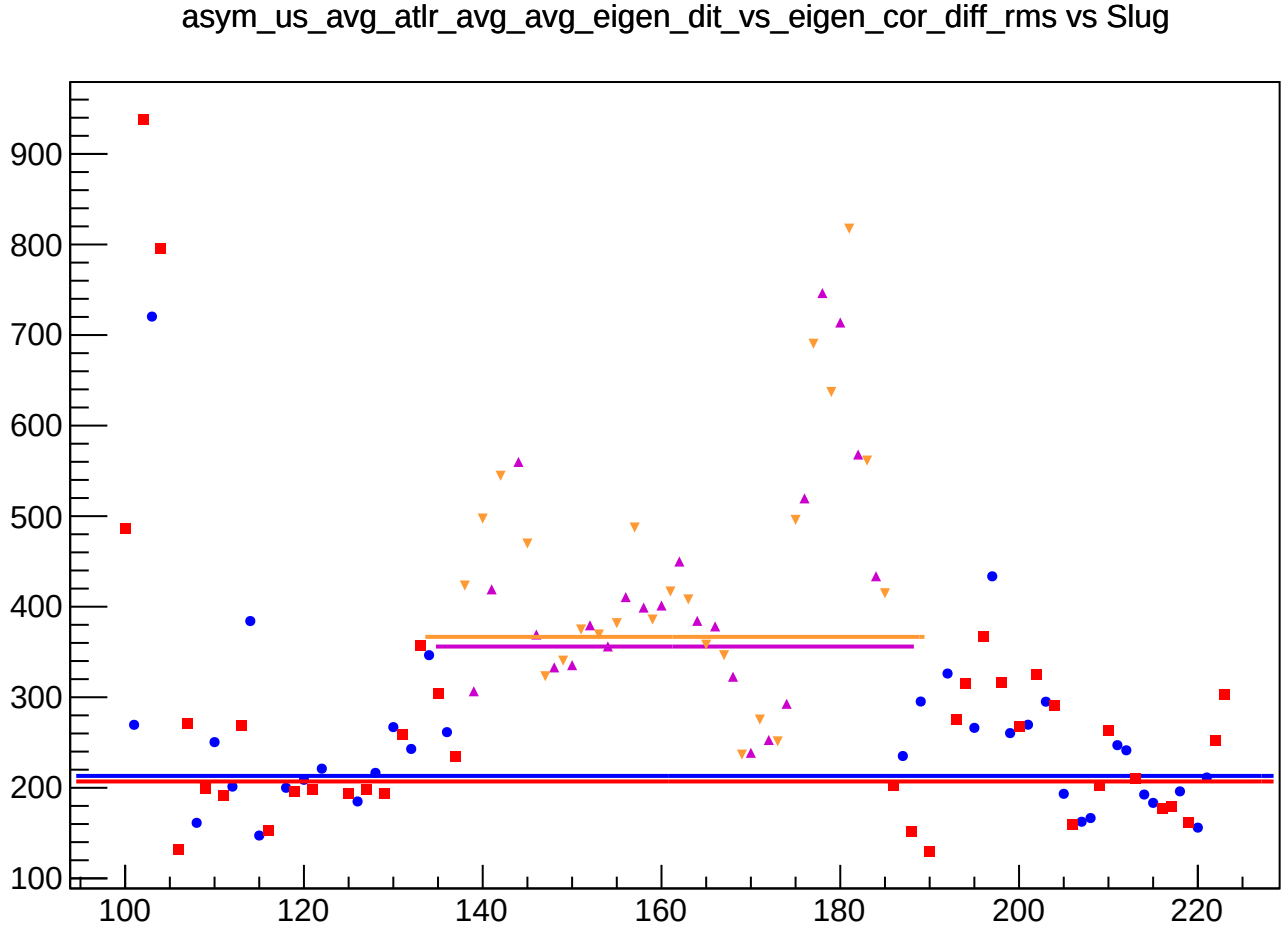
Right Out: -0.030+/-0.048 χ^2/NDF: 49.9/36

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.022+/-0.043 χ^2/NDF: 73.9/57

All: -0.013+/-0.030 χ^2/NDF: 155.4/117

- sign -0.004+/-0.042 χ^2/NDF: 81.4/59



Right In: 213.139+/-0.034 χ^2/NDF: 2675774.3/33

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

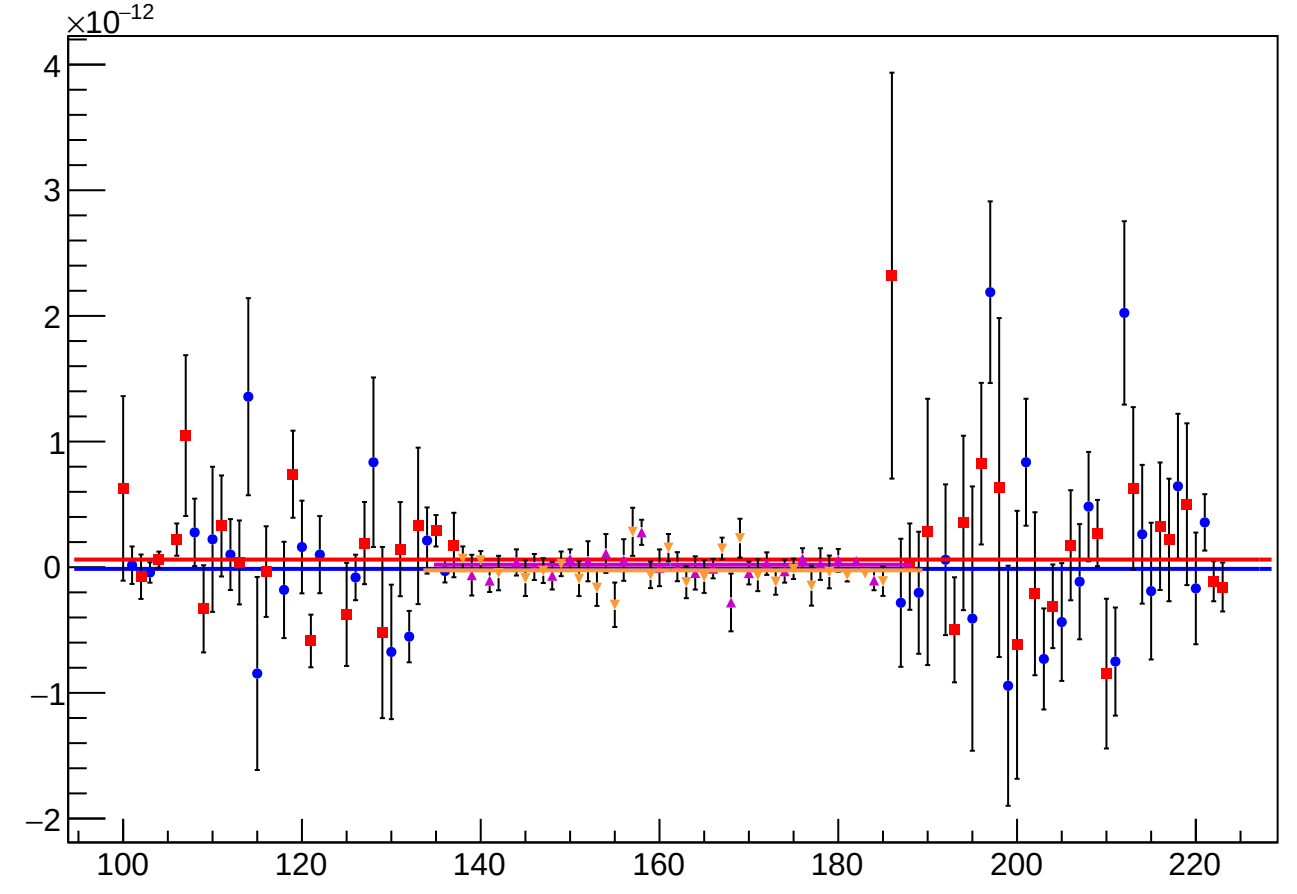
Right Out: 207.007+/-0.034 χ^2/NDF: 3737269.0/36

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 247.658+/-0.030 χ^2/NDF: 9983304.4/57

All: 244.349+/-0.021 χ^2/NDF: 20606237.8/11

- sign 241.172+/-0.030 χ^2/NDF: 10599600.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

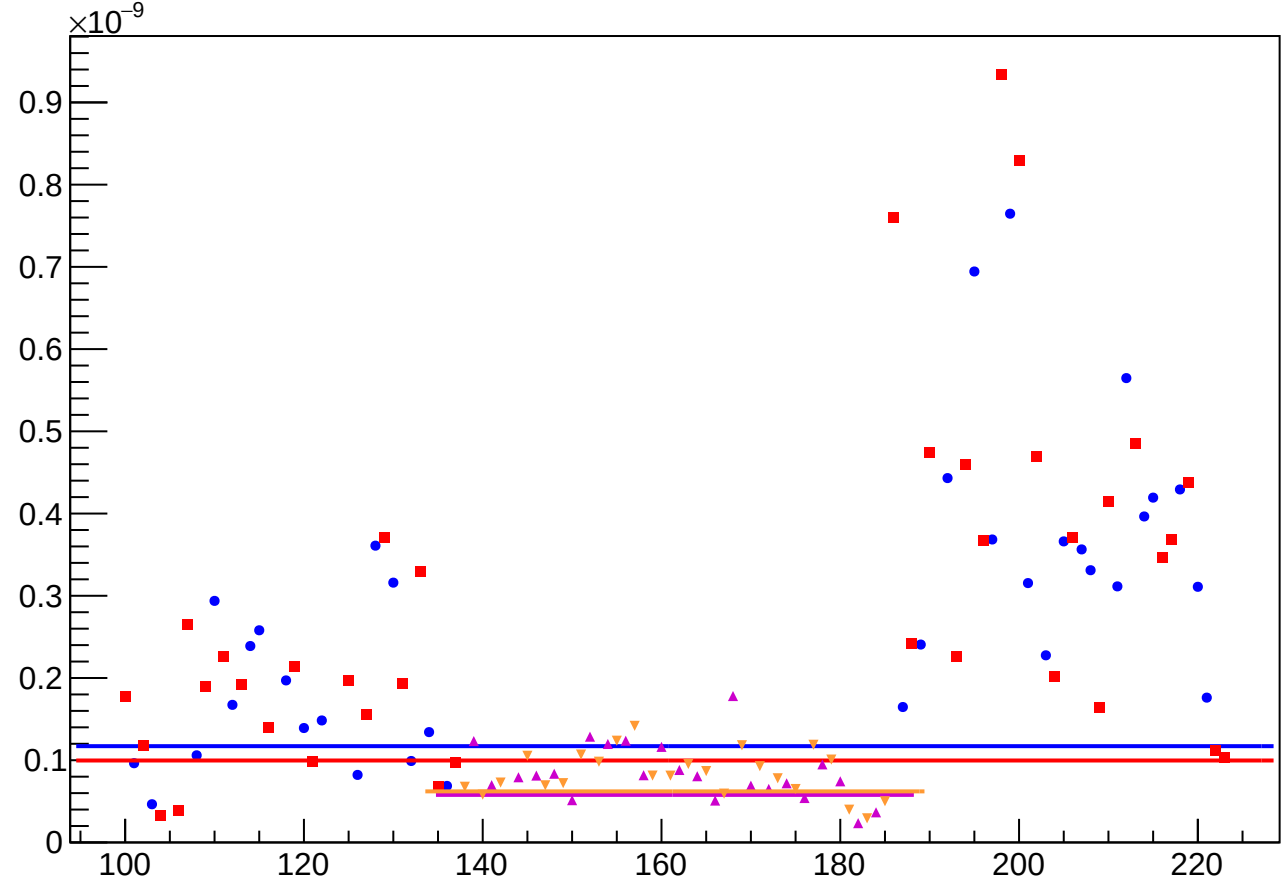
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/36

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.6/57

All: 0.000+/-0.000 χ^2/NDF: 136.5/117

- sign 0.000+/-0.000 χ^2/NDF: 58.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 11195872.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12889218.1/36

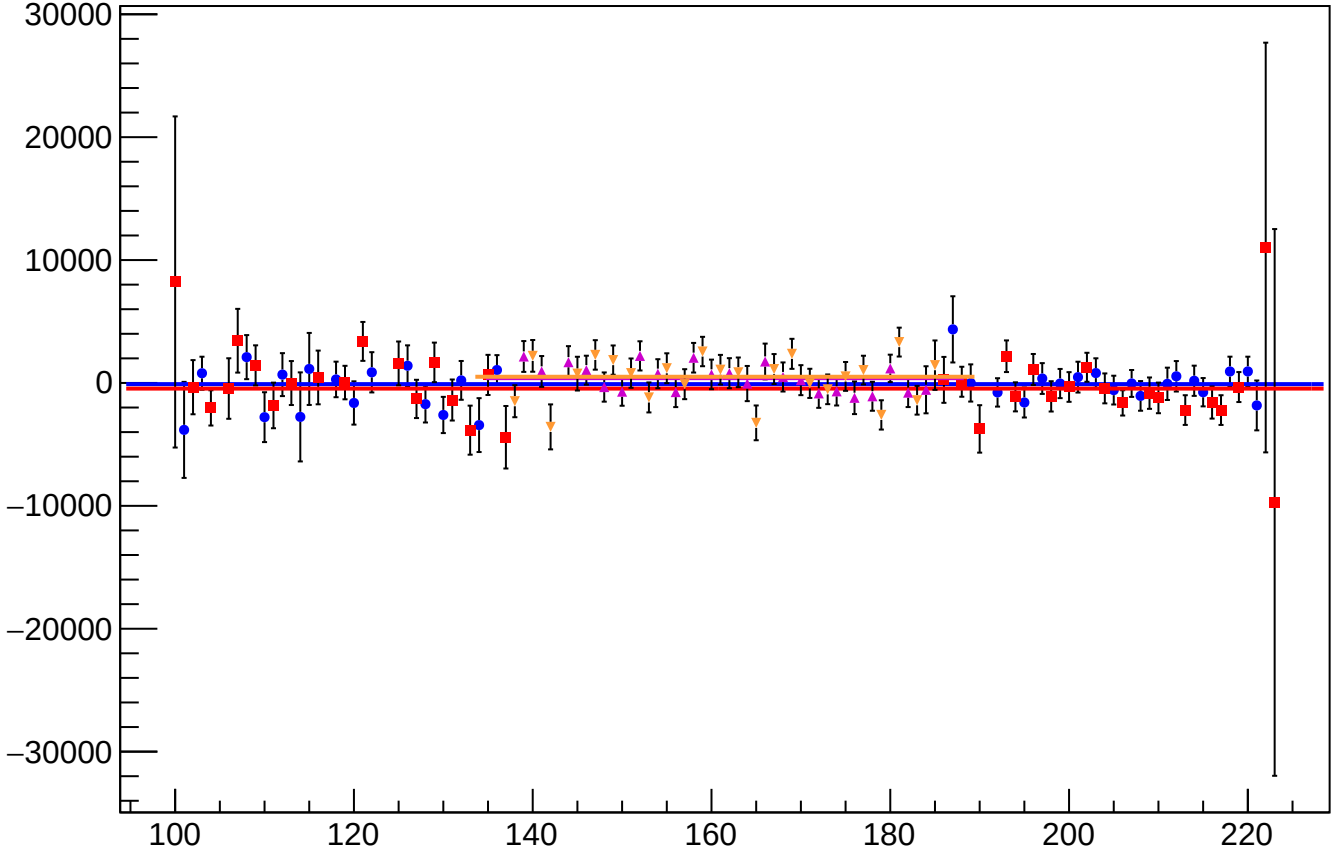
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17984408.8/57

All: 0.000+/-0.000 χ^2/NDF: 38349172.9/117

- sign 0.000+/-0.000 χ^2/NDF: 20249429.3/59

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.591+/-245.305 χ^2/NDF: 24.0/33

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -458.709+/-248.936 χ^2/NDF: 40.5/36

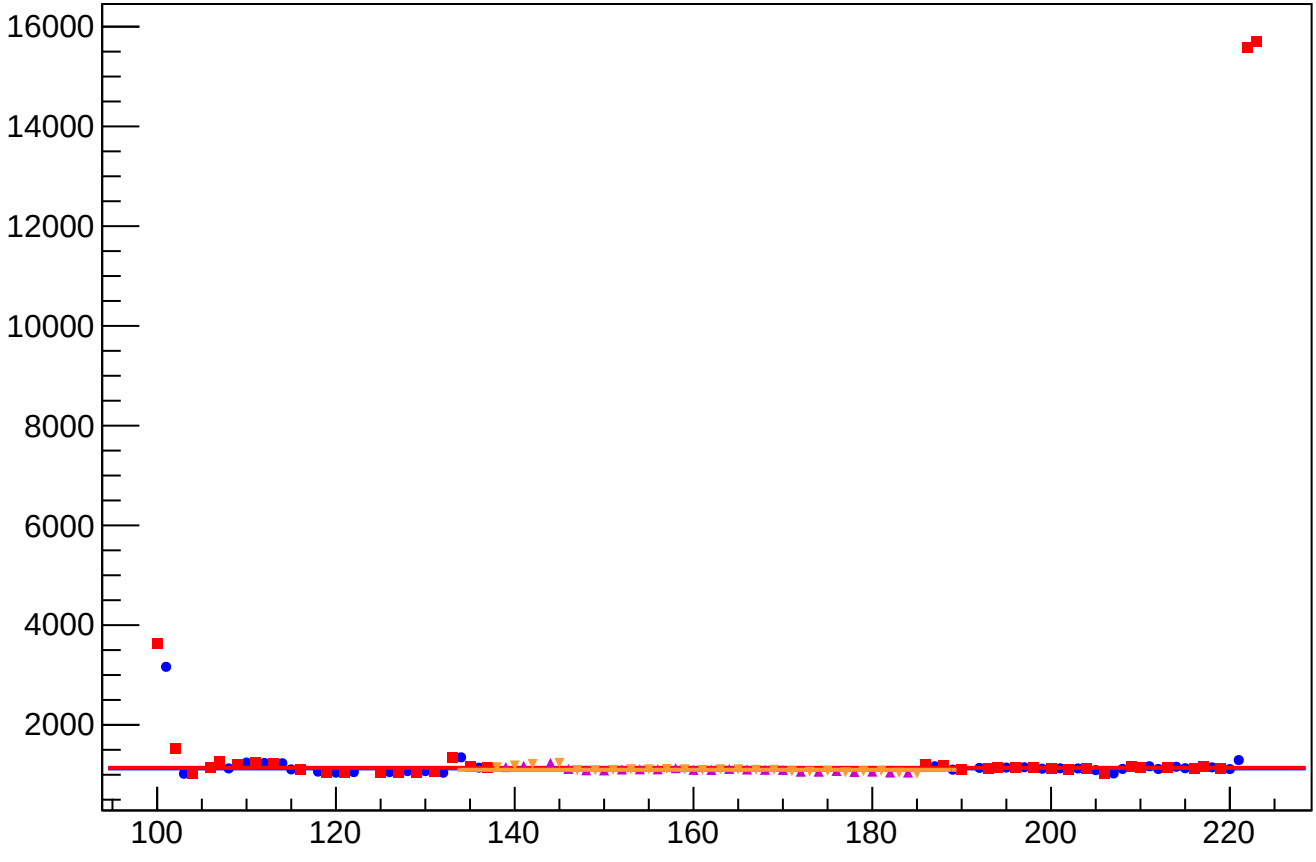
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 191.779+/-176.961 χ^2/NDF: 71.4/57

All: 73.372+/-125.823 χ^2/NDF: 136.2/117

- sign -47.693+/-178.937 χ^2/NDF: 63.9/59

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.377+/-0.173 χ^2/NDF: 660817.0/33

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

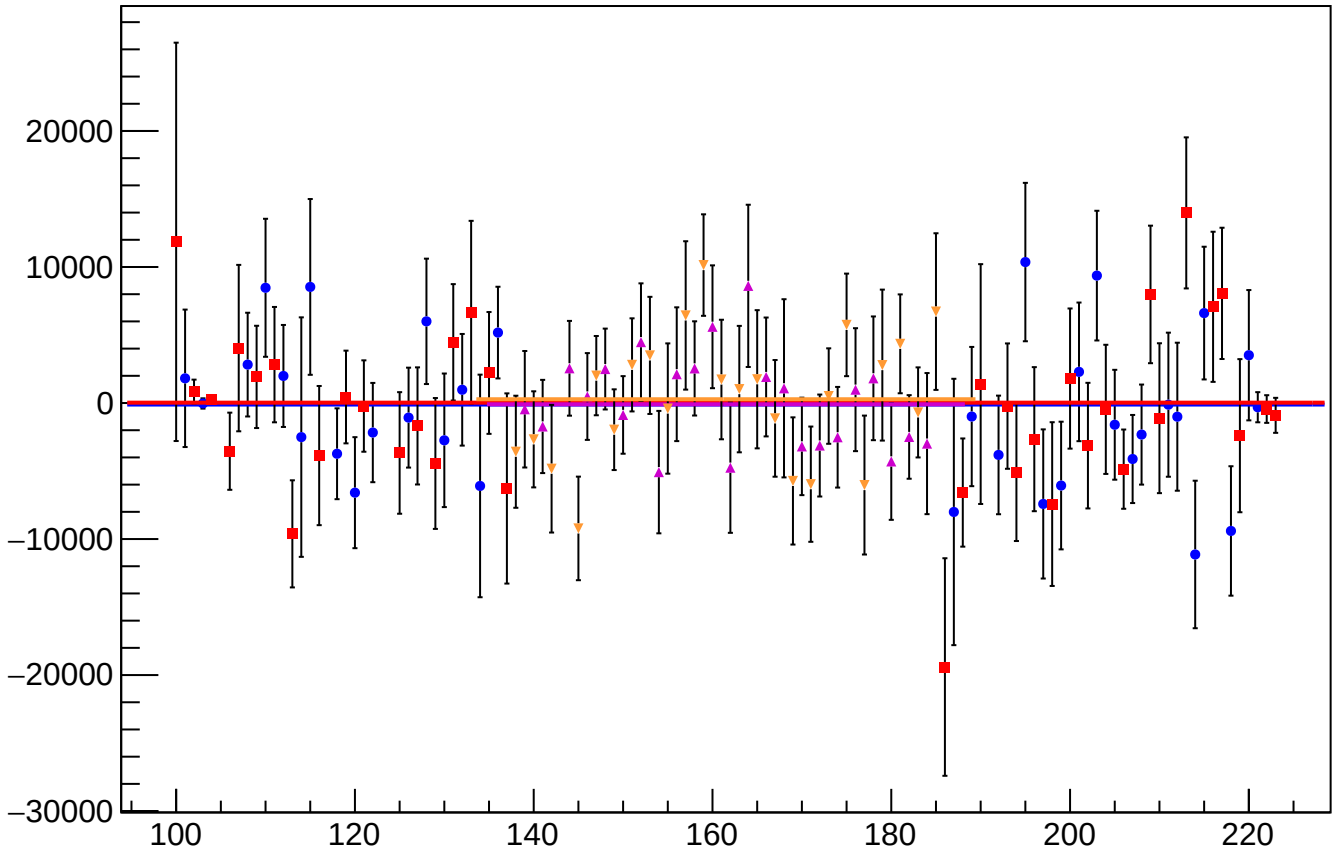
Right Out: 1139.080+/-0.176 χ^2/NDF: 2611511.4/36

Left In: 1101.530+/-0.182 χ^2/NDF:52149.9/22

+ sign 1114.278+/-0.125 χ^2/NDF: 731442.8/57

All: 1117.574+/-0.089 χ^2/NDF: 3418510.5/11

- sign 1120.943+/-0.126 χ^2/NDF: 2685664.5/59



Right In: -112.366+/-326.363 χ^2/NDF: 39.7/33

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

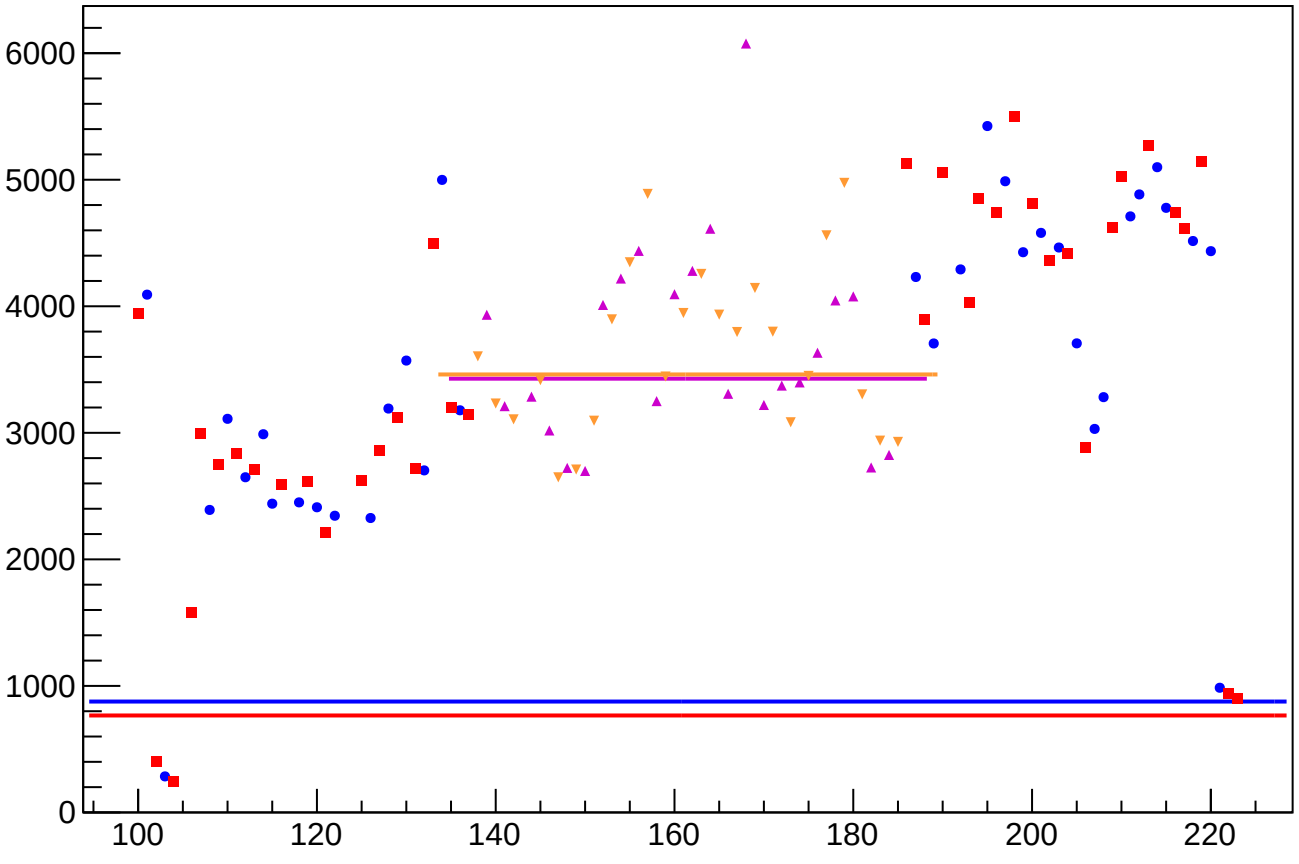
Right Out: 26.271+/-290.096 χ^2/NDF: 45.0/36

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign -59.108+/-303.254 χ^2/NDF: 69.8/57

All: -19.478+/-203.053 χ^2/NDF: 128.5/117

- sign 12.730+/-273.383 χ^2/NDF: 58.7/59



Right In: 876.453+/-0.231 χ^2/NDF: 28801702.6/33

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 766.358+/-0.205 χ^2/NDF: 29703071.4/36

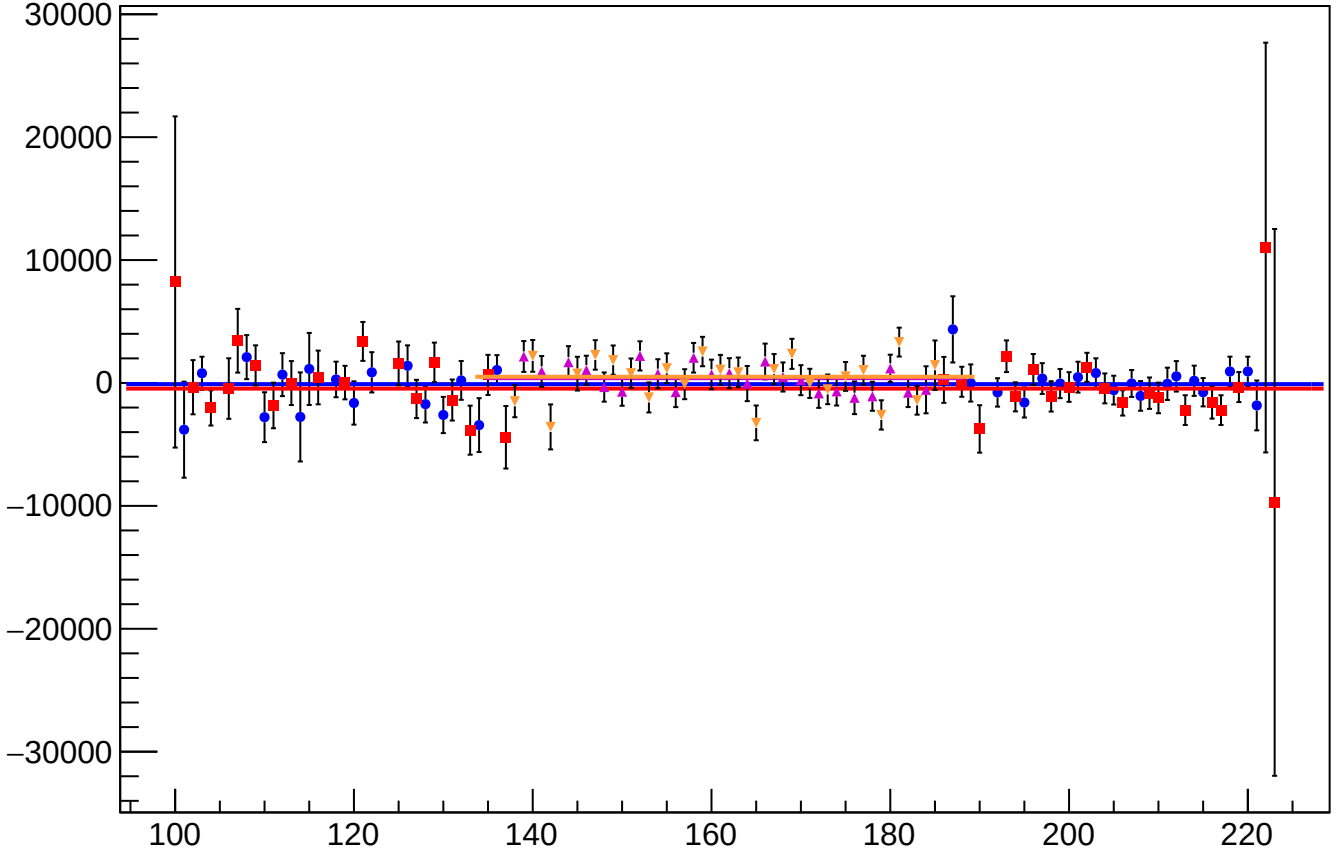
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1229.541+/-0.214 χ^2/NDF: 46997550.6/57

All: 1138.329+/-0.144 χ^2/NDF: 97110849.6/1

- sign 1064.202+/-0.193 χ^2/NDF: 49785321.1/59

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.515+/-245.305 χ^2/NDF: 24.0/33

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -458.732+/-248.936 χ^2/NDF: 40.5/36

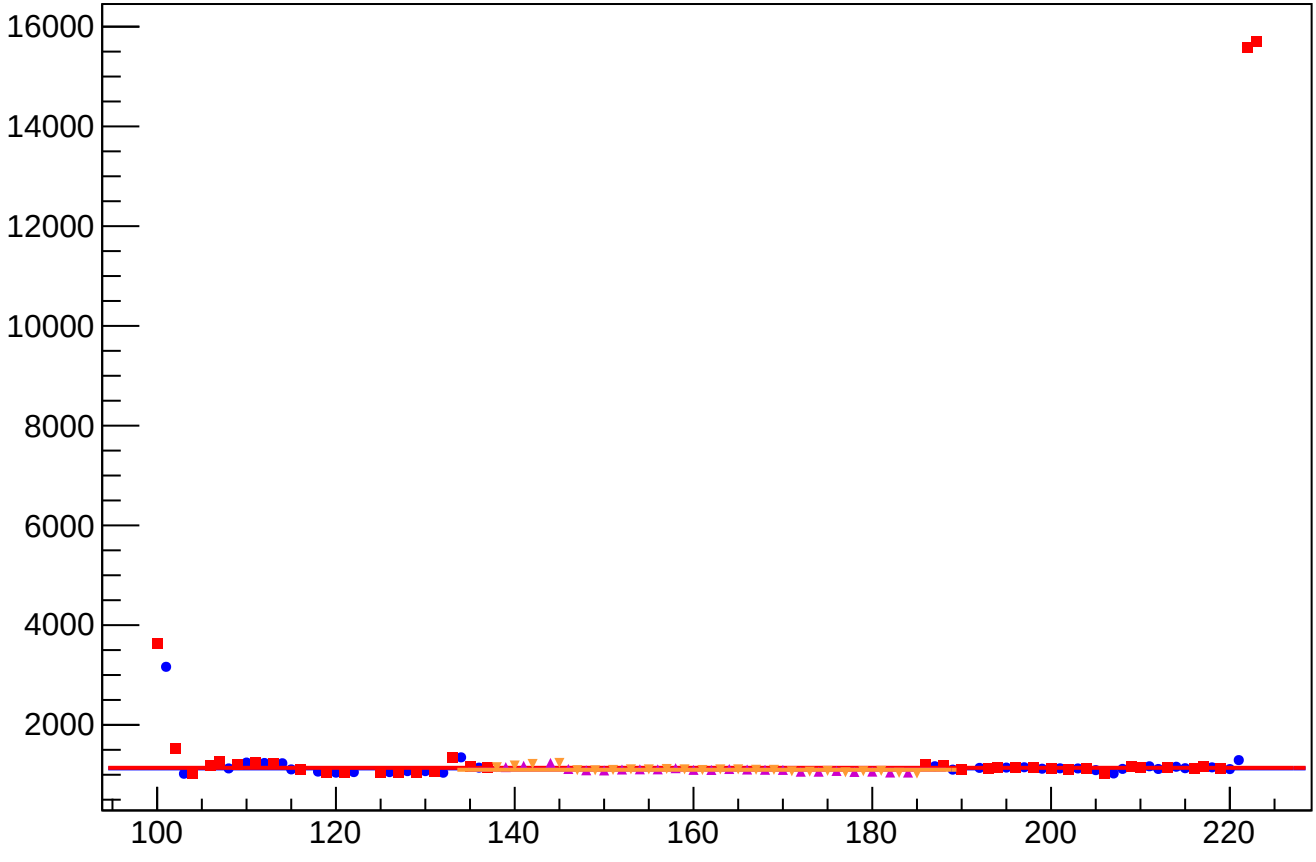
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 191.853+/-176.961 χ^2/NDF: 71.4/57

All: 73.401+/-125.823 χ^2/NDF: 136.2/117

- sign -47.710+/-178.937 χ^2/NDF: 63.9/59

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.377+/-0.173 χ^2/NDF: 660818.1/33

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

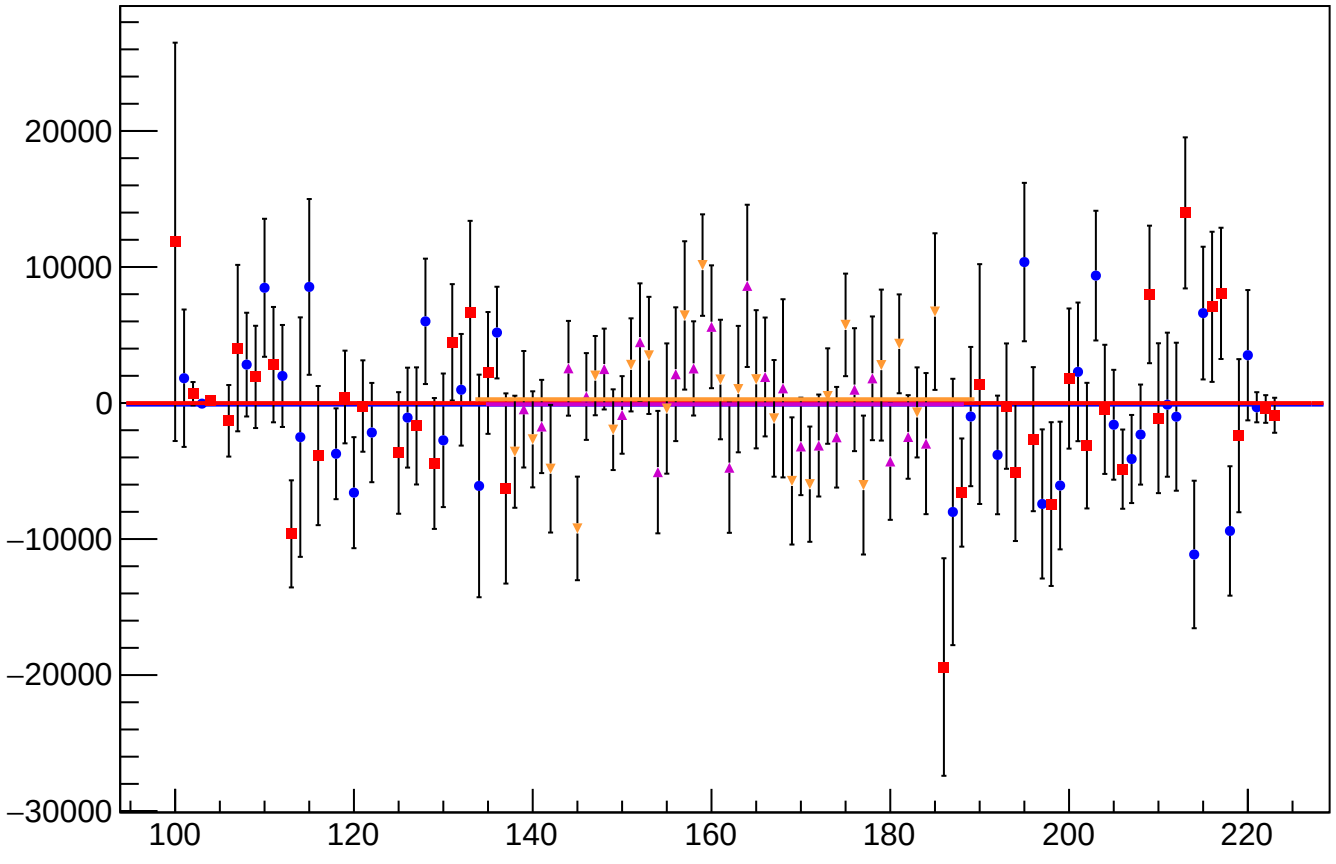
Right Out: 1139.402+/-0.176 χ^2/NDF: 2612014.0/36

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1114.278+/-0.125 χ^2/NDF: 731443.8/57

All: 1117.652+/-0.089 χ^2/NDF: 3419451.3/11

- sign 1121.101+/-0.127 χ^2/NDF: 2686537.0/59



Right In: -117.395+/-316.296 χ^2/NDF: 39.7/33

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

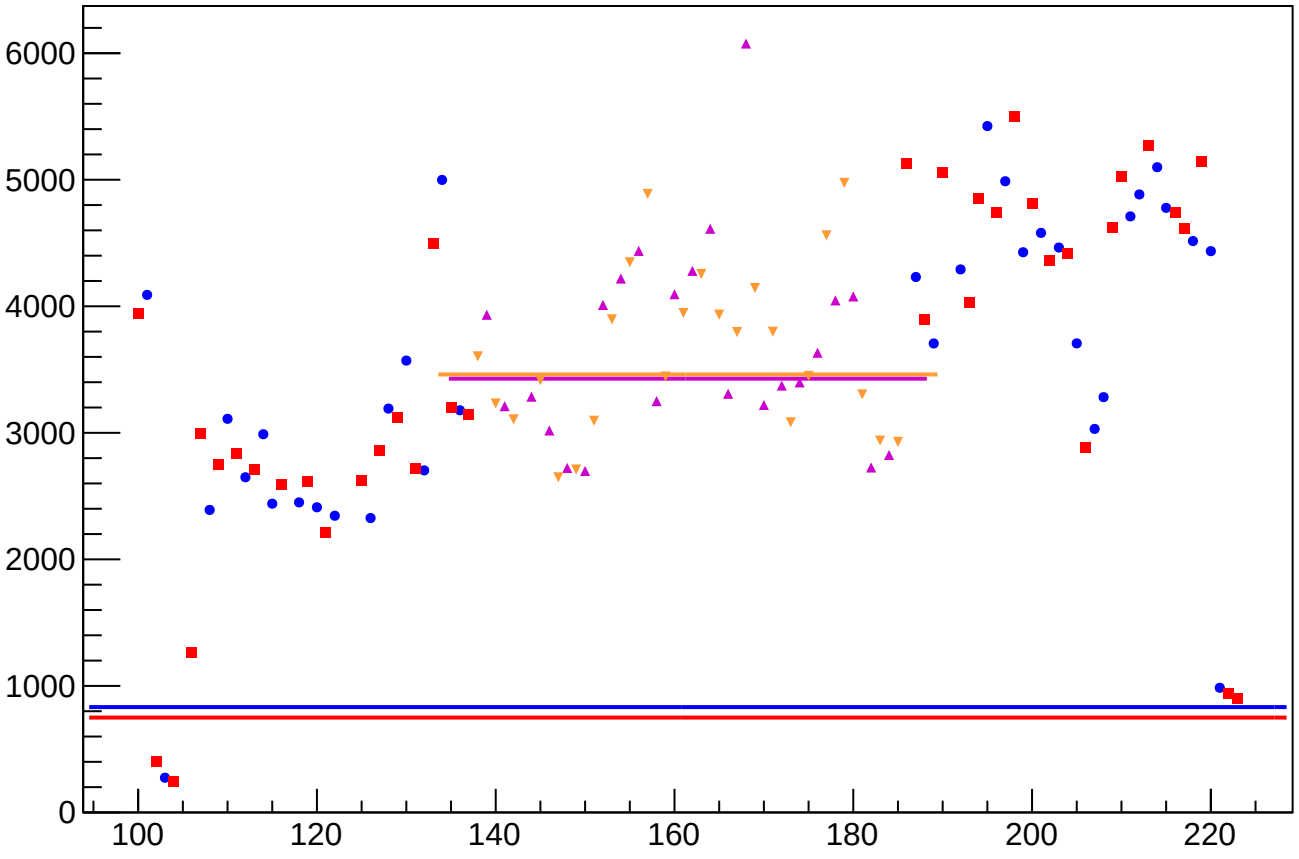
Right Out: -5.606+/-286.315 χ^2/NDF: 43.2/36

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -66.299+/-295.127 χ^2/NDF: 69.8/57

All: -38.584+/-199.296 χ^2/NDF: 126.7/117

- sign -15.351+/-270.211 χ^2/NDF: 56.9/59



Right In: 832.647+/-0.224 χ^2/NDF: 29375985.7/33

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 749.813+/-0.202 χ^2/NDF: 29801934.1/36

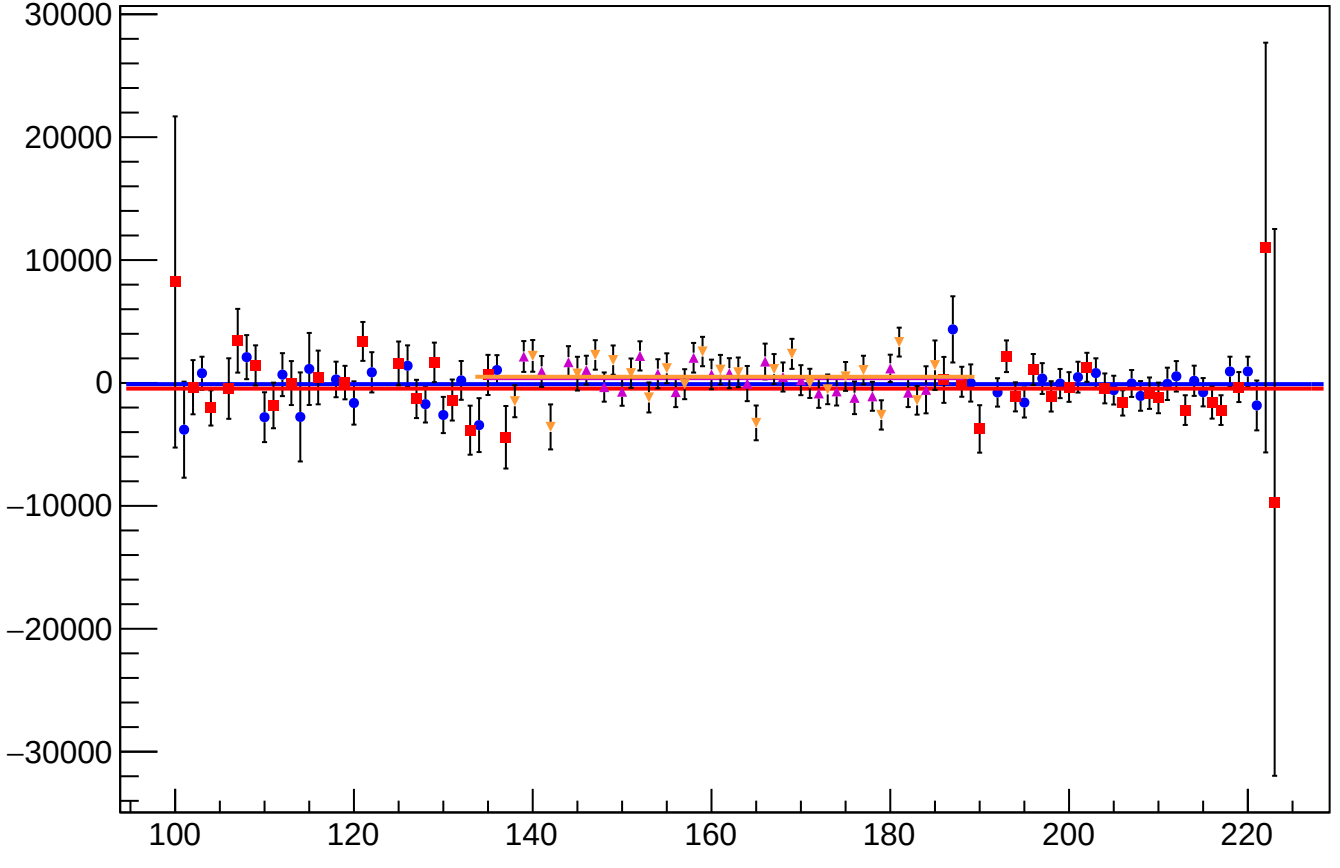
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1172.730+/-0.209 χ^2/NDF: 48305918.4/57

All: 1101.938+/-0.141 χ^2/NDF: 98692028.6/1

- sign 1042.595+/-0.191 χ^2/NDF: 50174570.2/59

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.515+/-245.305 χ^2/NDF: 24.0/33

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -458.732+/-248.936 χ^2/NDF: 40.5/36

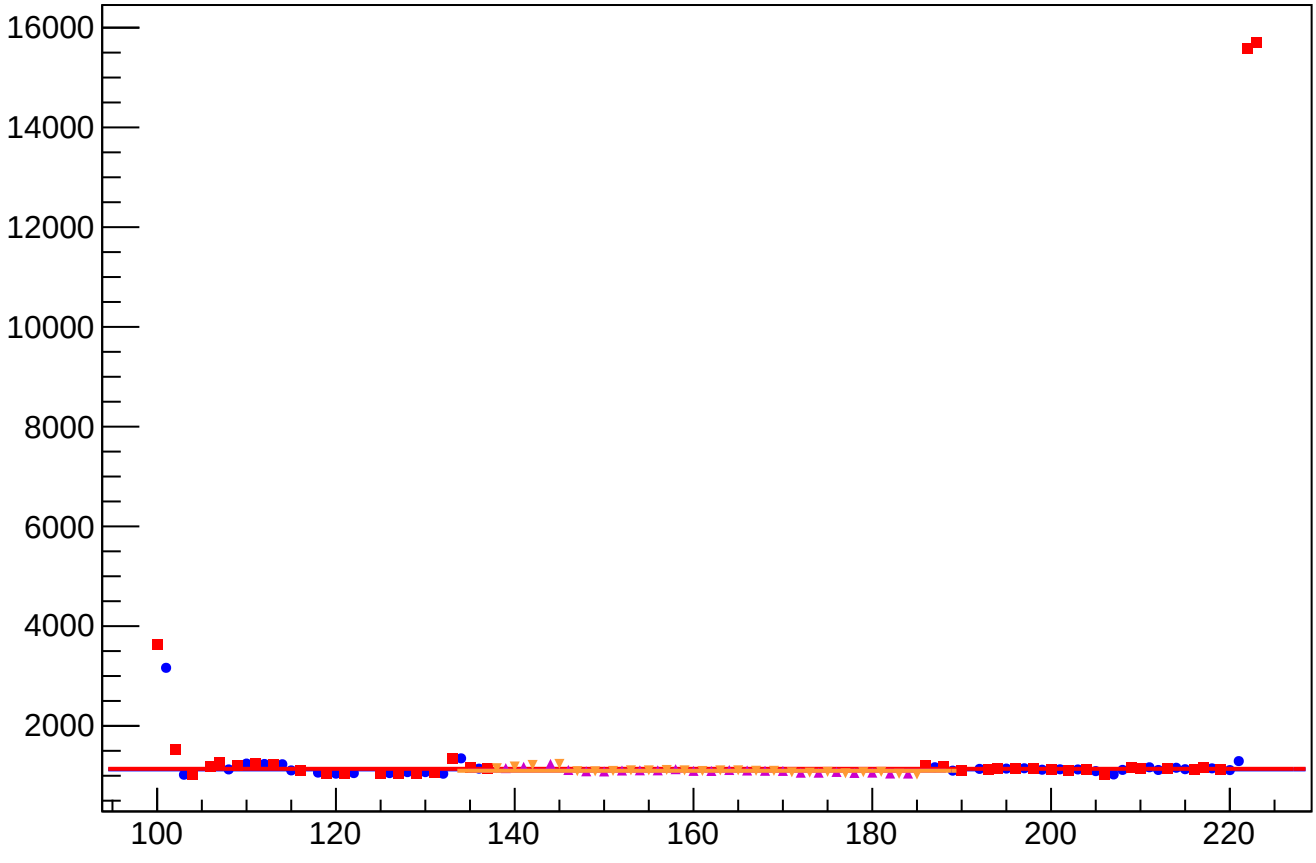
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 191.853+/-176.961 χ^2/NDF: 71.4/57

All: 73.401+/-125.823 χ^2/NDF: 136.2/117

- sign -47.710+/-178.937 χ^2/NDF: 63.9/59

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.377+/-0.173 χ^2/NDF: 660818.1/33

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

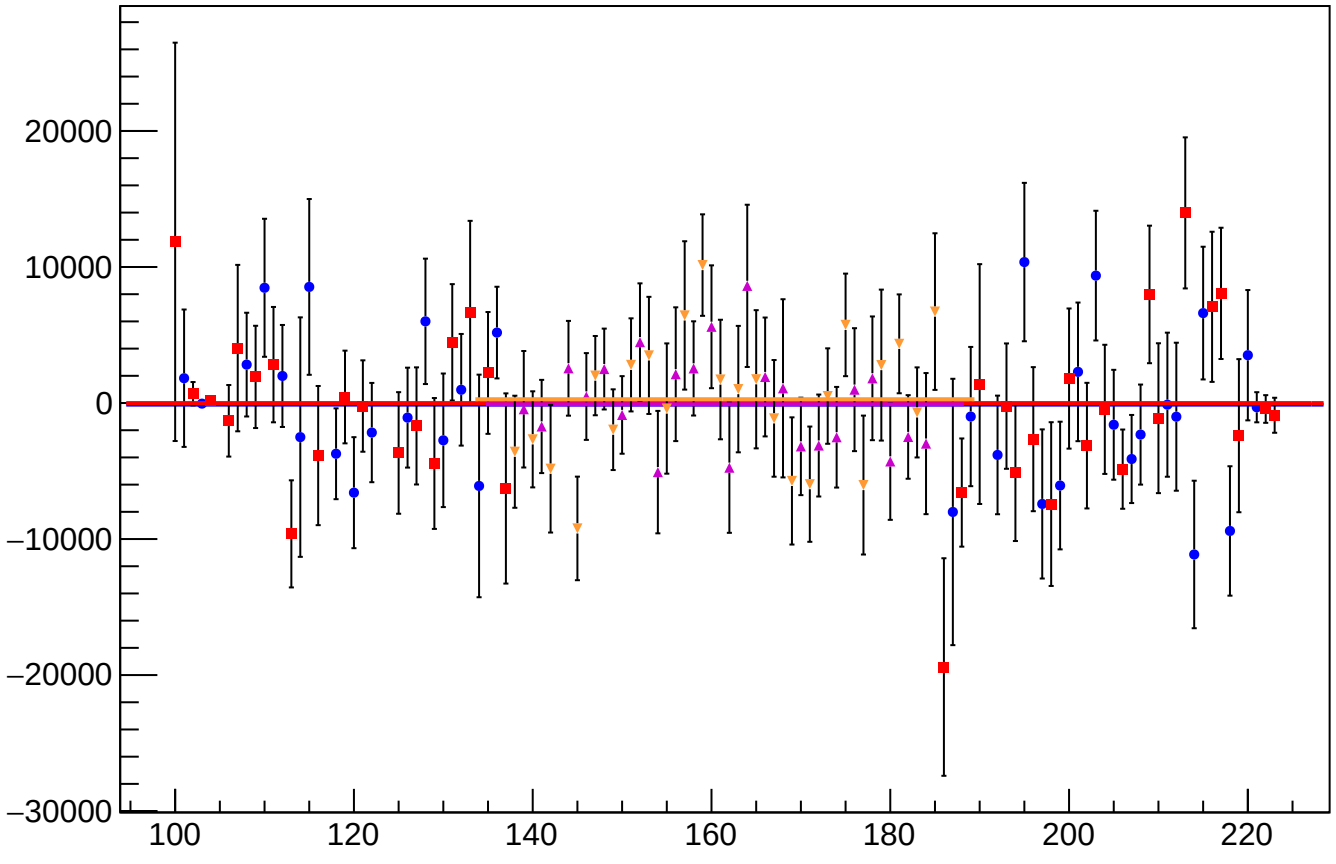
Right Out: 1139.402+/-0.176 χ^2/NDF: 2612014.0/36

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1114.278+/-0.125 χ^2/NDF: 731443.8/57

All: 1117.652+/-0.089 χ^2/NDF: 3419451.3/11

- sign 1121.101+/-0.127 χ^2/NDF: 2686537.0/59



Right In: -117.395+/-316.296 χ^2/NDF: 39.7/33

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

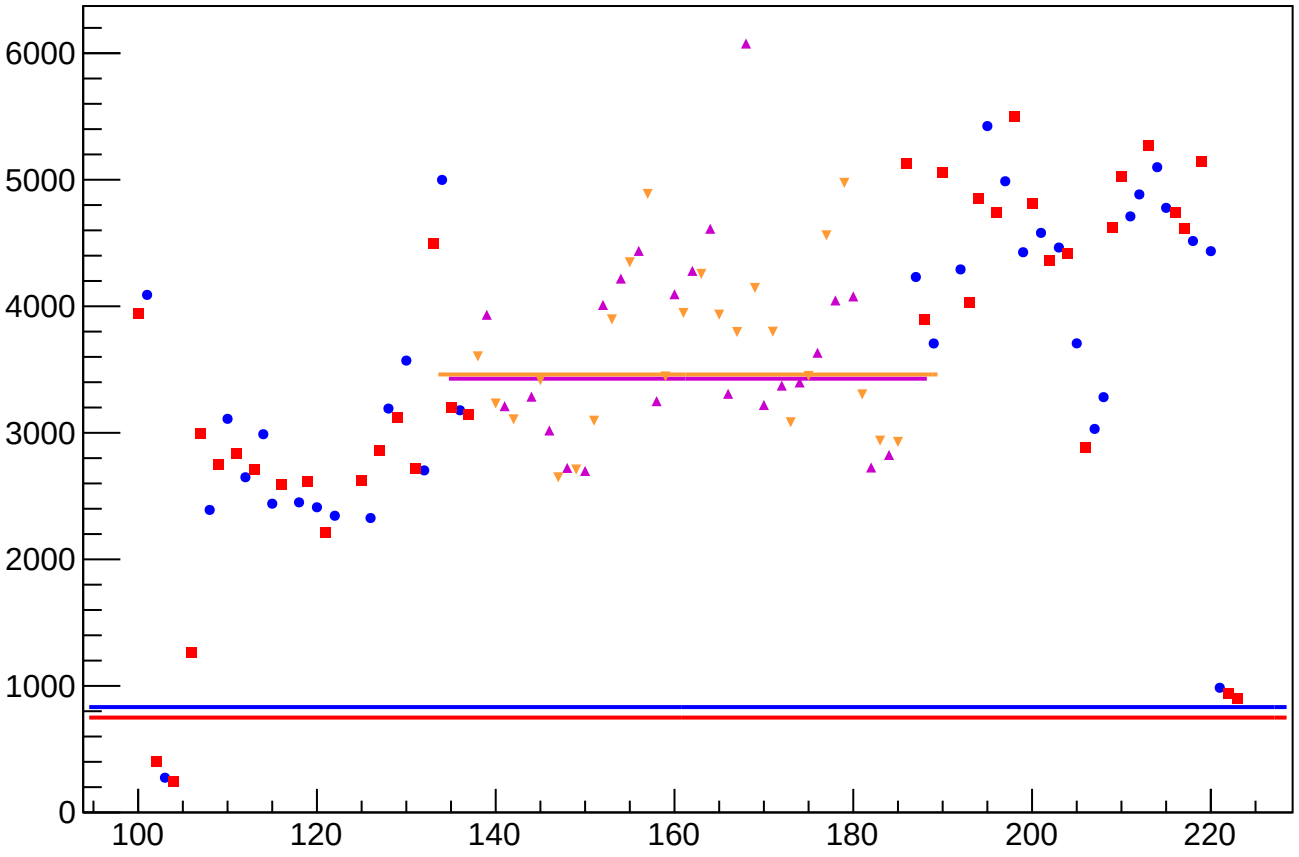
Right Out: -5.606+/-286.315 χ^2/NDF: 43.2/36

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -66.299+/-295.127 χ^2/NDF: 69.8/57

All: -38.584+/-199.296 χ^2/NDF: 126.7/117

- sign -15.351+/-270.211 χ^2/NDF: 56.9/59



Right In: 832.647+/-0.224 χ^2/NDF: 29375985.7/33

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 749.813+/-0.202 χ^2/NDF: 29801934.1/36

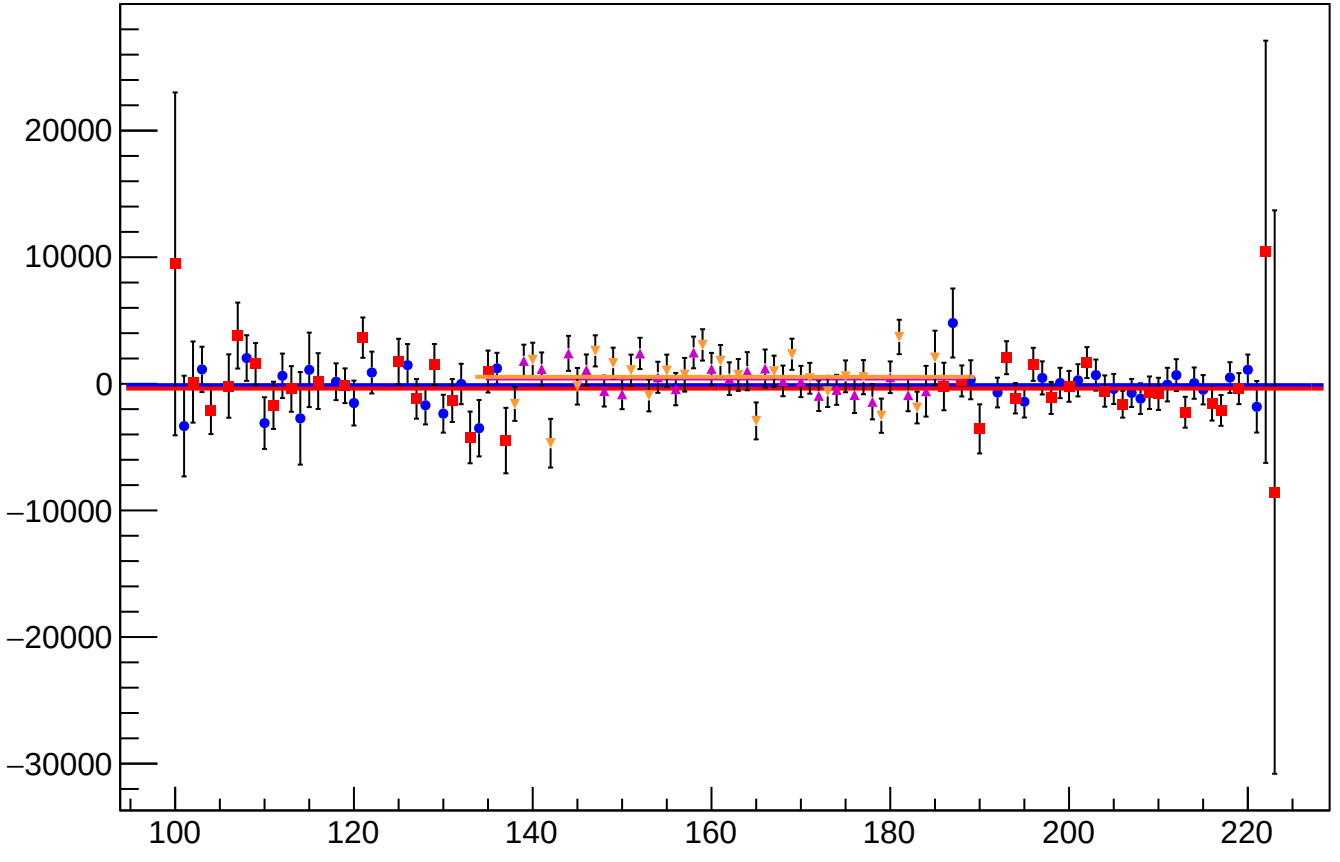
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1172.730+/-0.209 χ^2/NDF: 48305918.4/57

All: 1101.938+/-0.141 χ^2/NDF: 98692028.6/1

- sign 1042.595+/-0.191 χ^2/NDF: 50174570.2/59

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -105.626+/-250.077 χ^2/NDF: 23.4/33

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -376.304+/-254.601 χ^2/NDF: 42.1/36

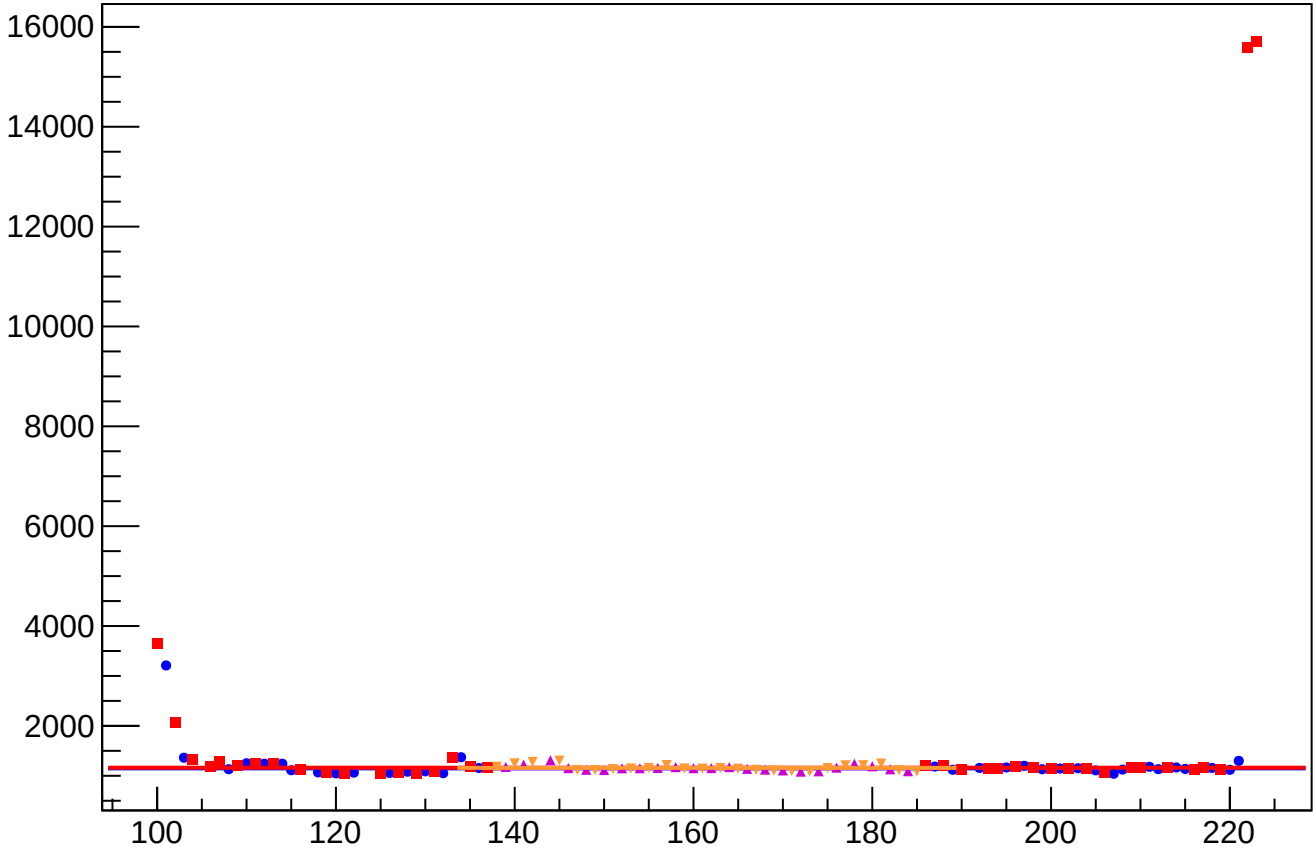
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 198.374+/-183.221 χ^2/NDF: 71.8/57

All: 99.867+/-130.242 χ^2/NDF: 137.1/117

- sign -0.752+/-185.175 χ^2/NDF: 64.7/59

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1148.934+/-0.177 χ^2/NDF: 678749.4/33

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

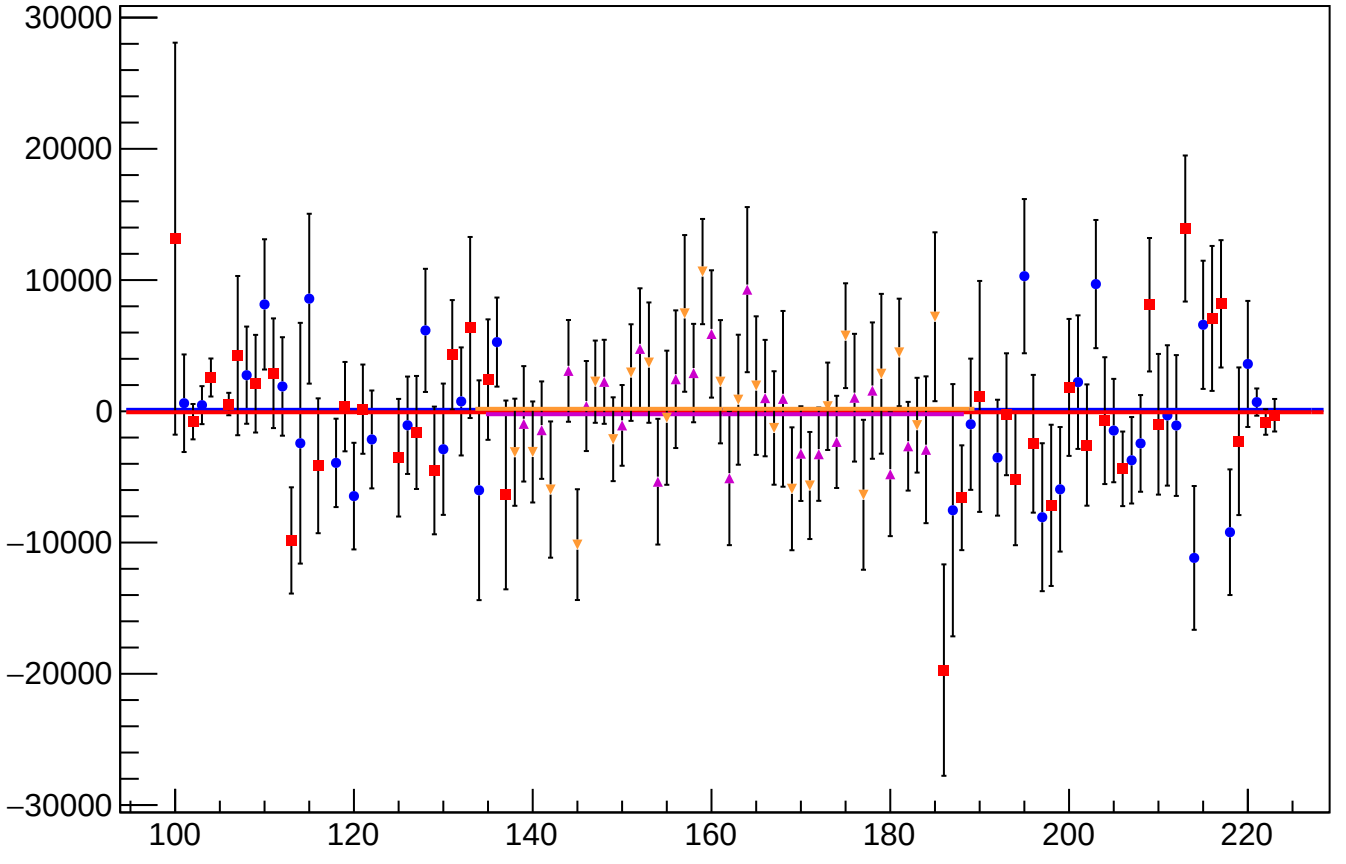
Right Out: 1161.845+/-0.180 χ^2/NDF: 2712169.8/36

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1153.216+/-0.130 χ^2/NDF: 764126.5/57

All: 1155.711+/-0.092 χ^2/NDF: 3544365.8/11

- sign 1158.259+/-0.131 χ^2/NDF: 2779489.5/59



Right In: 113.694+/-578.467 χ^2/NDF: 39.5/33

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

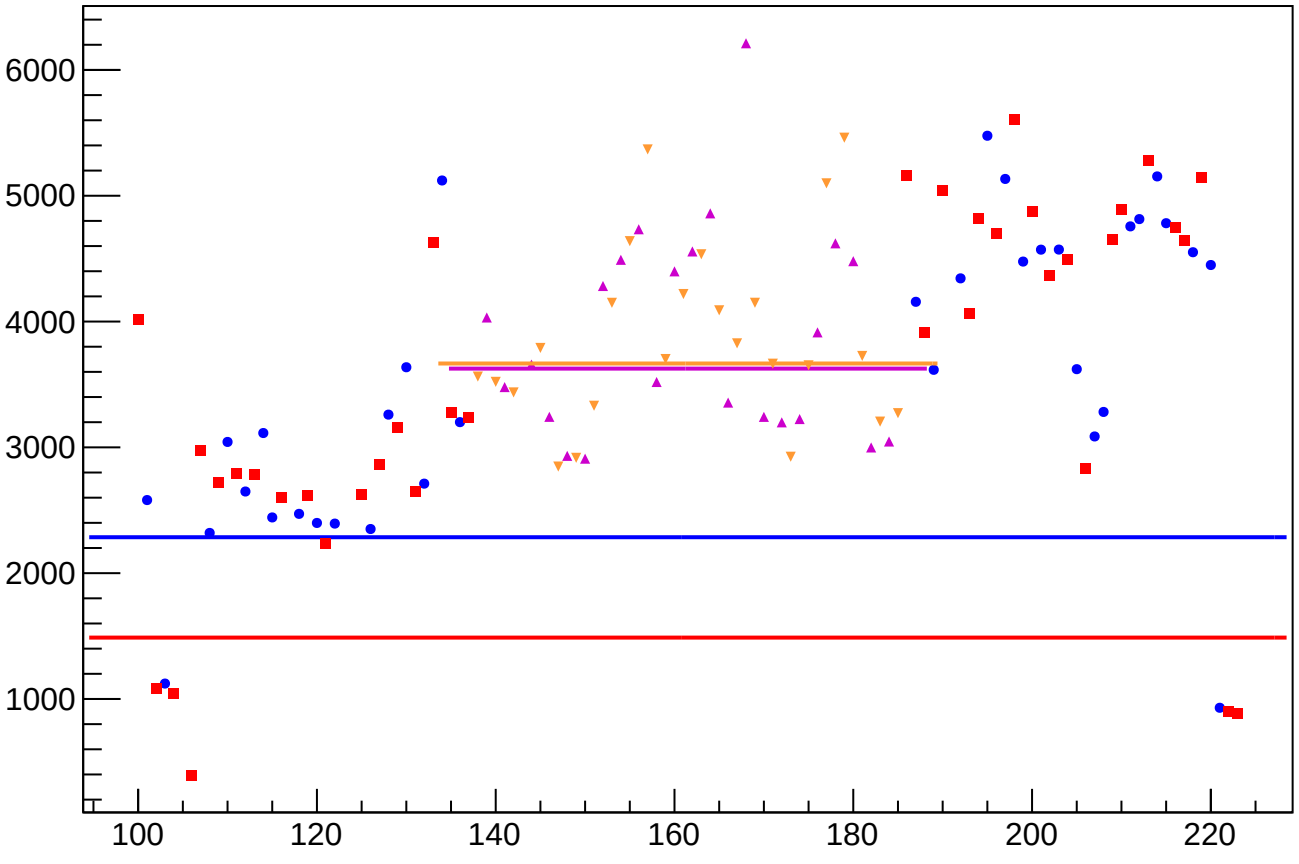
Right Out: -71.068+/-425.022 χ^2/NDF: 45.6/36

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 137.027+/-481.609 χ^2/NDF: 68.8/57

All: -8.821+/-299.017 χ^2/NDF: 127.9/117

- sign -100.309+/-381.442 χ^2/NDF: 59.0/59



Right In: 2285.726+/-0.409 χ^2/NDF: 11753855.8/33

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

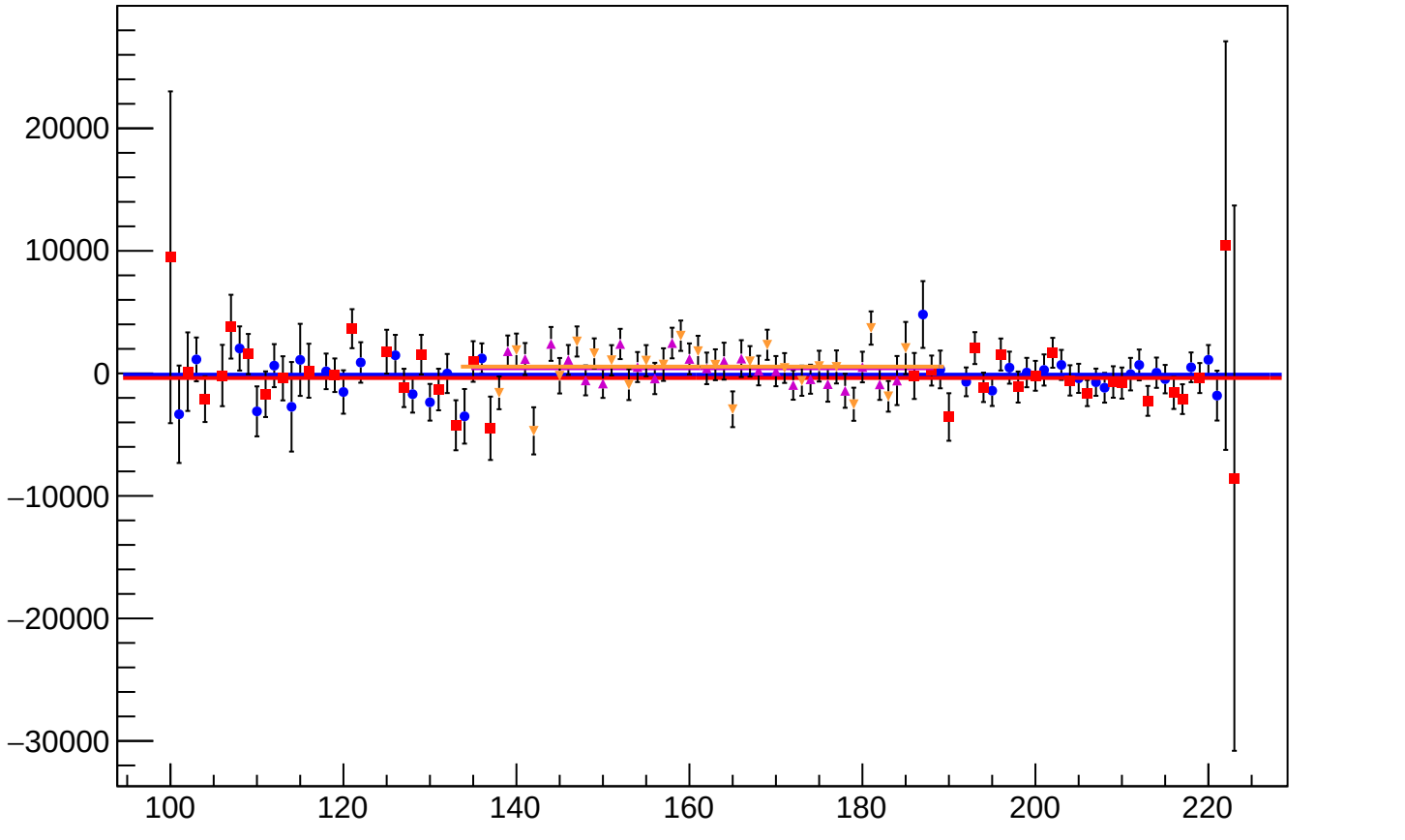
Right Out: 1487.881+/-0.301 χ^2/NDF: 19993876.6/36

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2709.419+/-0.341 χ^2/NDF: 16346379.1/57

All: 2214.387+/-0.211 χ^2/NDF: 50883550.1/1

- sign 1903.859+/-0.270 χ^2/NDF: 31098644.6/59



Right In: -105.623+/-250.077 χ^2/NDF: 23.4/33

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -376.307+/-254.601 χ^2/NDF: 42.1/36

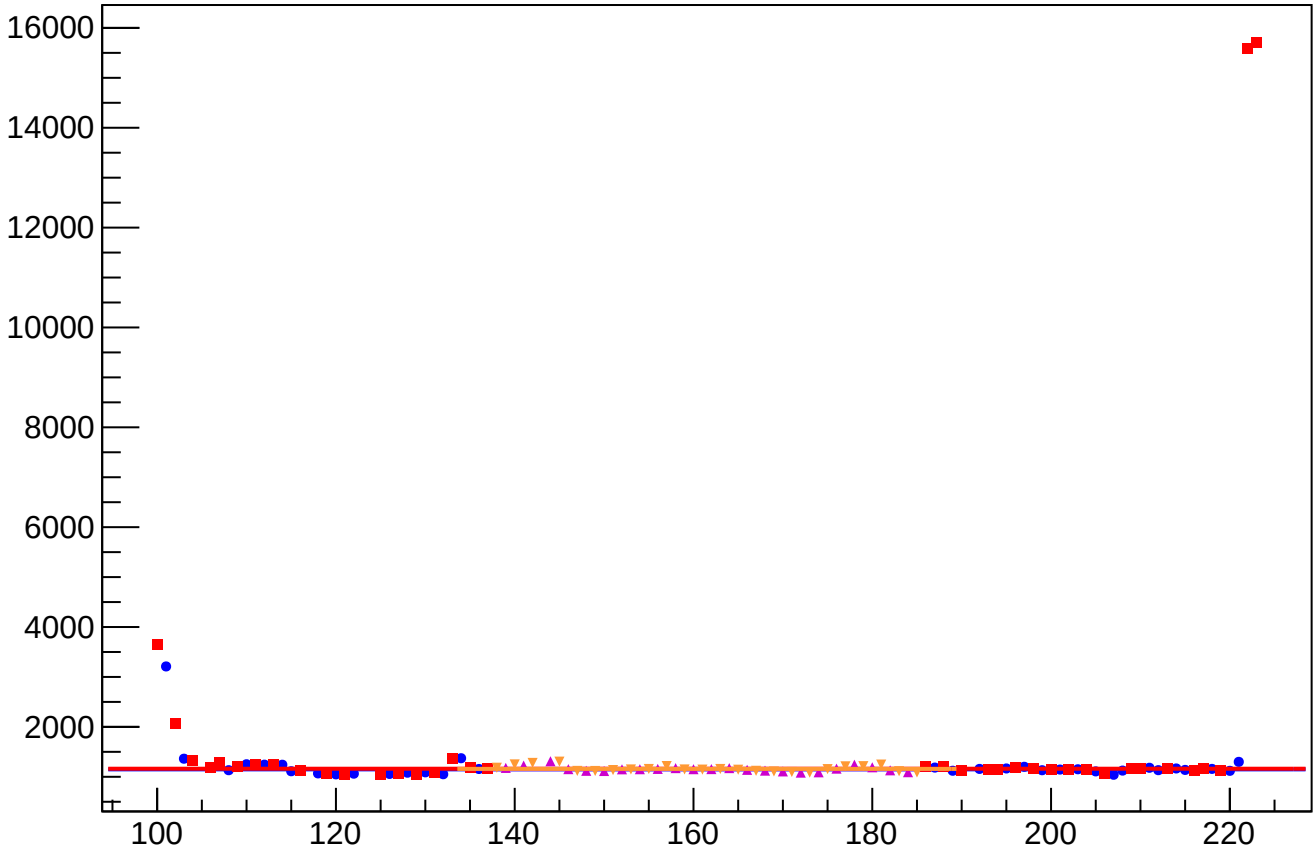
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 198.376+/-183.221 χ^2/NDF: 71.8/57

All: 99.867+/-130.242 χ^2/NDF: 137.1/117

- sign -0.755+/-185.175 χ^2/NDF: 64.7/59

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1148.934+/-0.177 χ^2/NDF: 678749.8/33

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

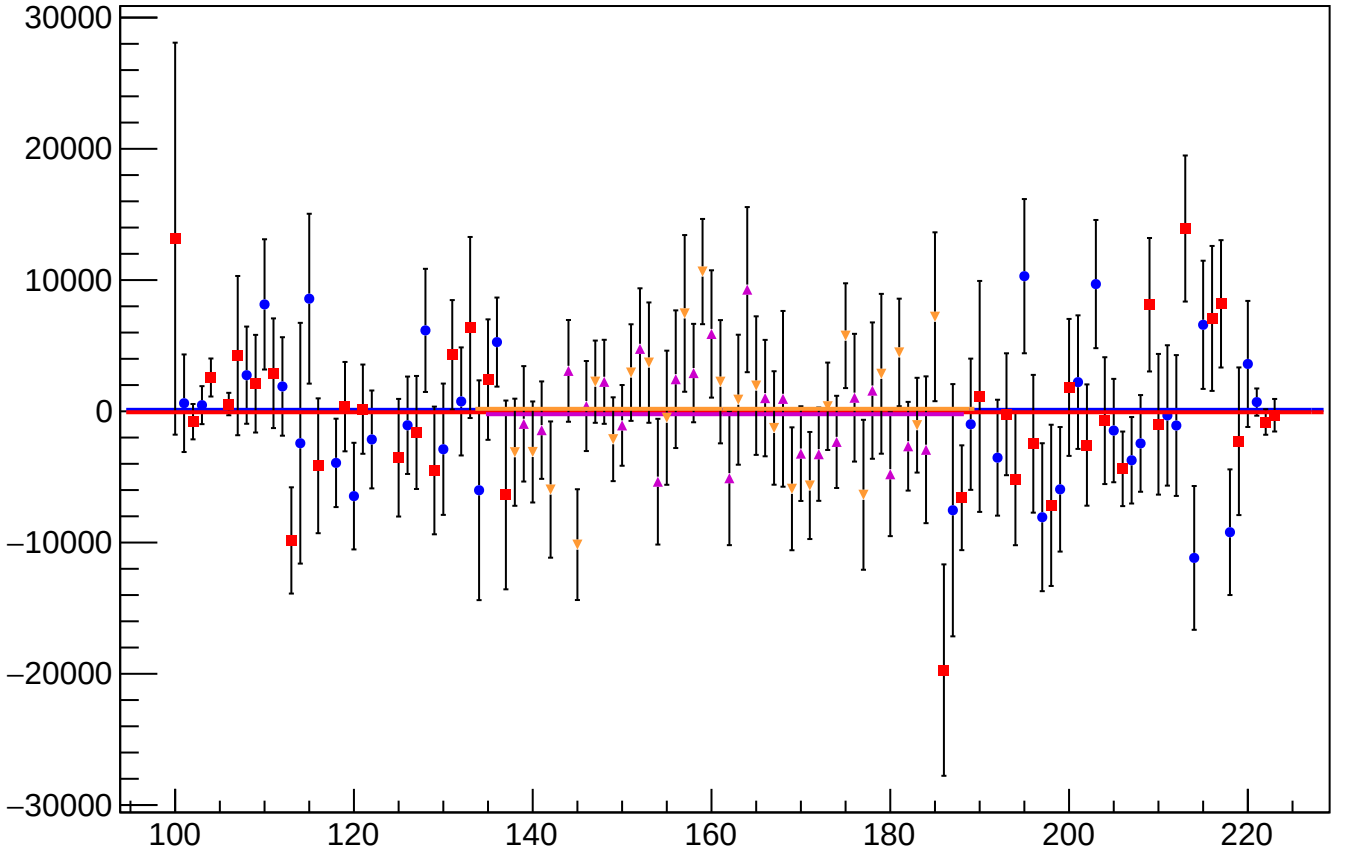
Right Out: 1161.845+/-0.180 χ^2/NDF: 2712169.6/36

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1153.216+/-0.130 χ^2/NDF: 764129.8/57

All: 1155.711+/-0.092 χ^2/NDF: 3544371.1/11

- sign 1158.260+/-0.131 χ^2/NDF: 2779491.5/59



Right In: 113.690+/-578.467 χ^2/NDF: 39.5/33

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

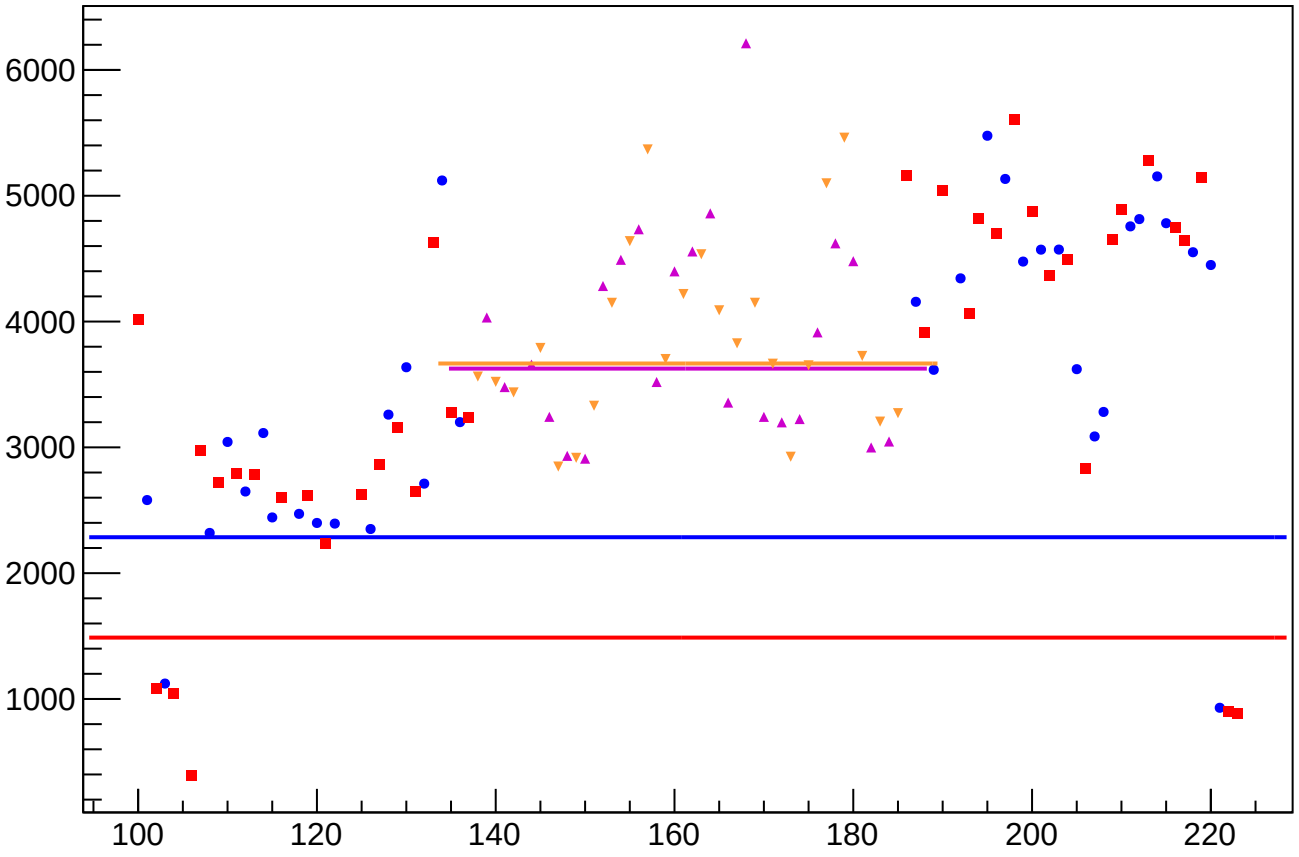
Right Out: -71.059+/-425.019 χ^2/NDF: 45.6/36

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 137.024+/-481.609 χ^2/NDF: 68.8/57

All: -8.818+/-299.016 χ^2/NDF: 127.9/117

- sign -100.301+/-381.440 χ^2/NDF: 59.0/59



Right In: 2285.723+/-0.409 χ^2/NDF: 11753895.5/33

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1487.864+/-0.301 χ^2/NDF: 19994119.3/36

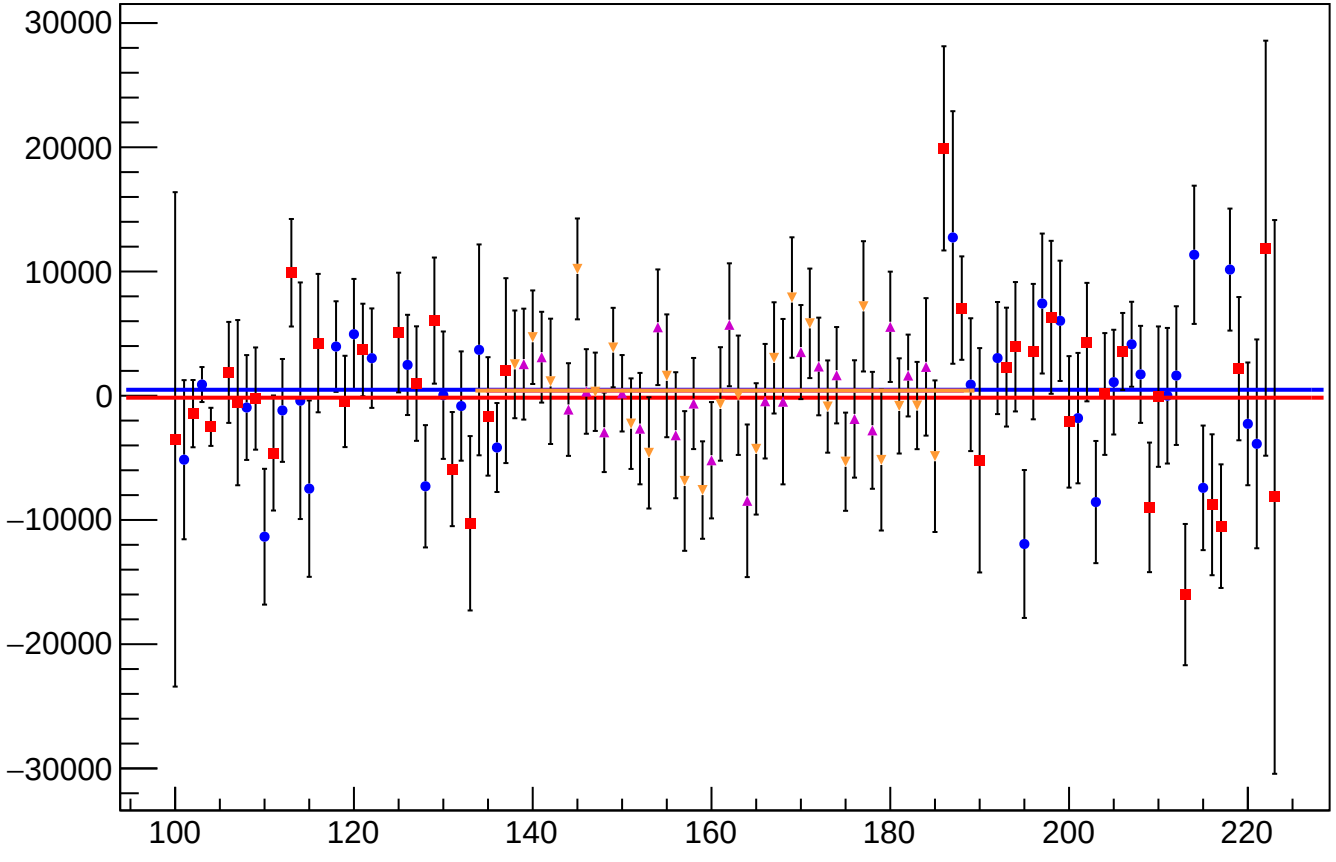
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2709.417+/-0.341 χ^2/NDF: 16346459.4/57

All: 2214.373+/-0.211 χ^2/NDF: 50884225.4/1

- sign 1903.841+/-0.270 χ^2/NDF: 31099092.7/59

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 480.774+/-726.429 χ^2/NDF: 38.7/33

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -157.287+/-725.423 χ^2/NDF: 49.7/36

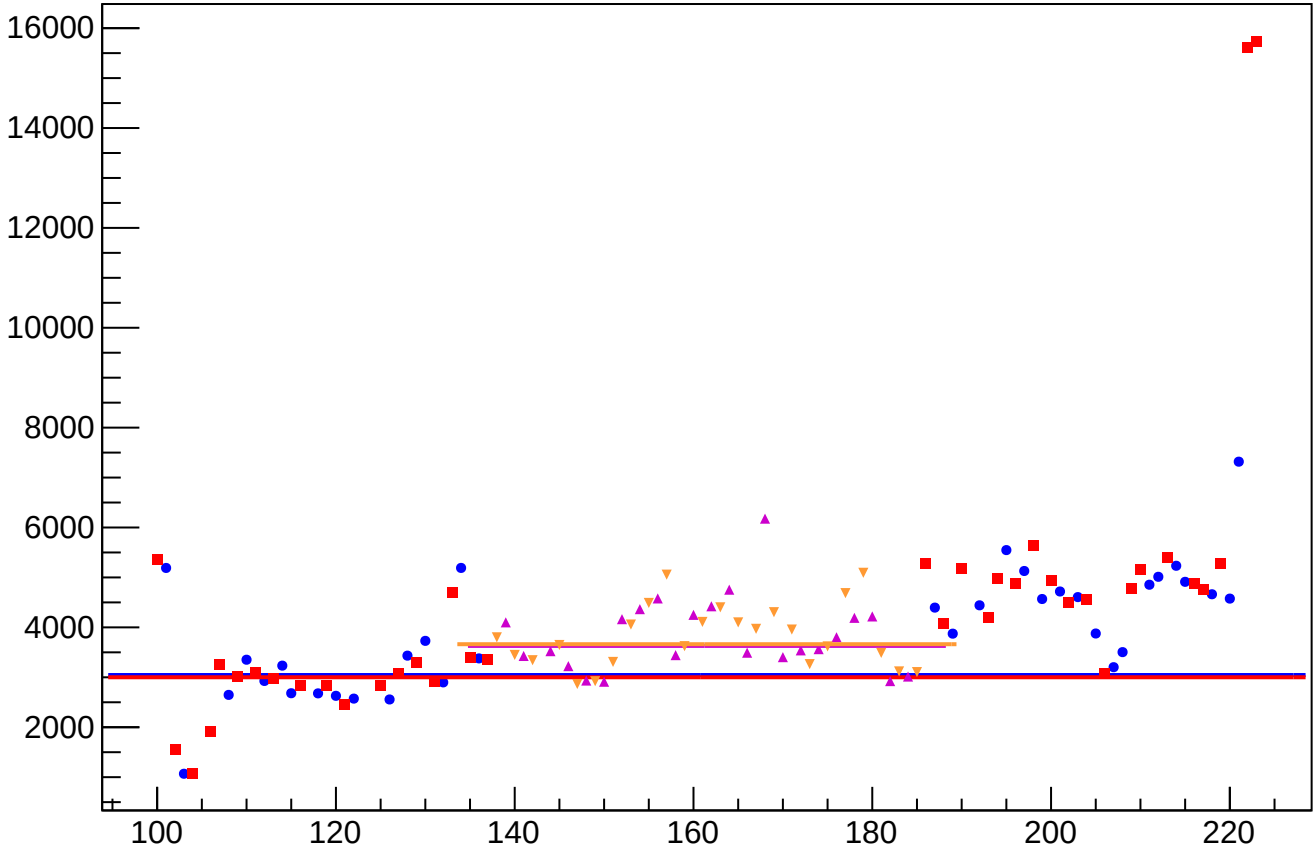
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 452.961+/-556.372 χ^2/NDF: 65.8/57

All: 263.611+/-392.982 χ^2/NDF: 128.3/117

- sign 75.092+/-555.150 χ^2/NDF: 62.3/59

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 3045.524+/-0.514 χ^2/NDF: 8080083.2/33

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

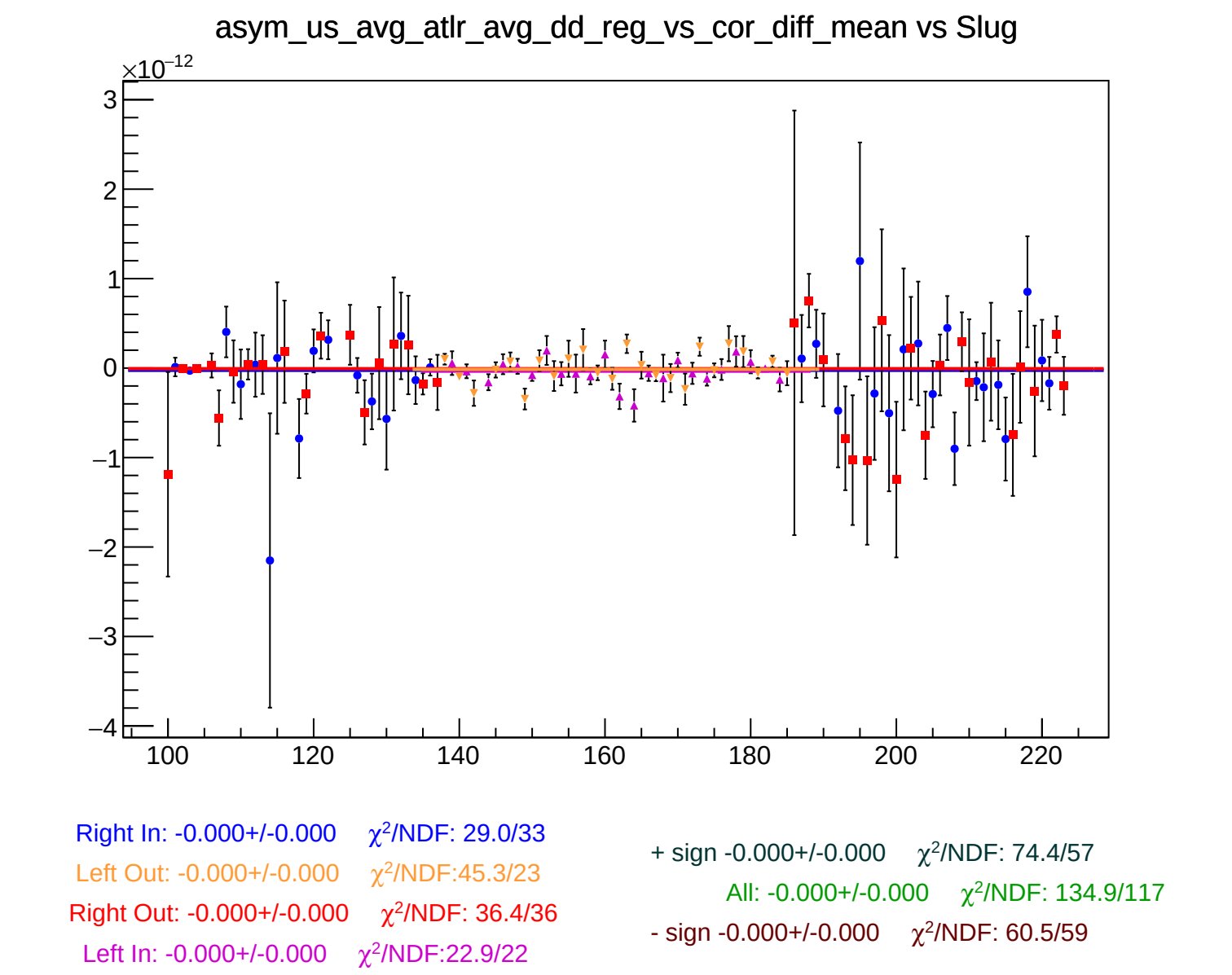
Right Out: 3000.531+/-0.512 χ^2/NDF: 9624371.6/36

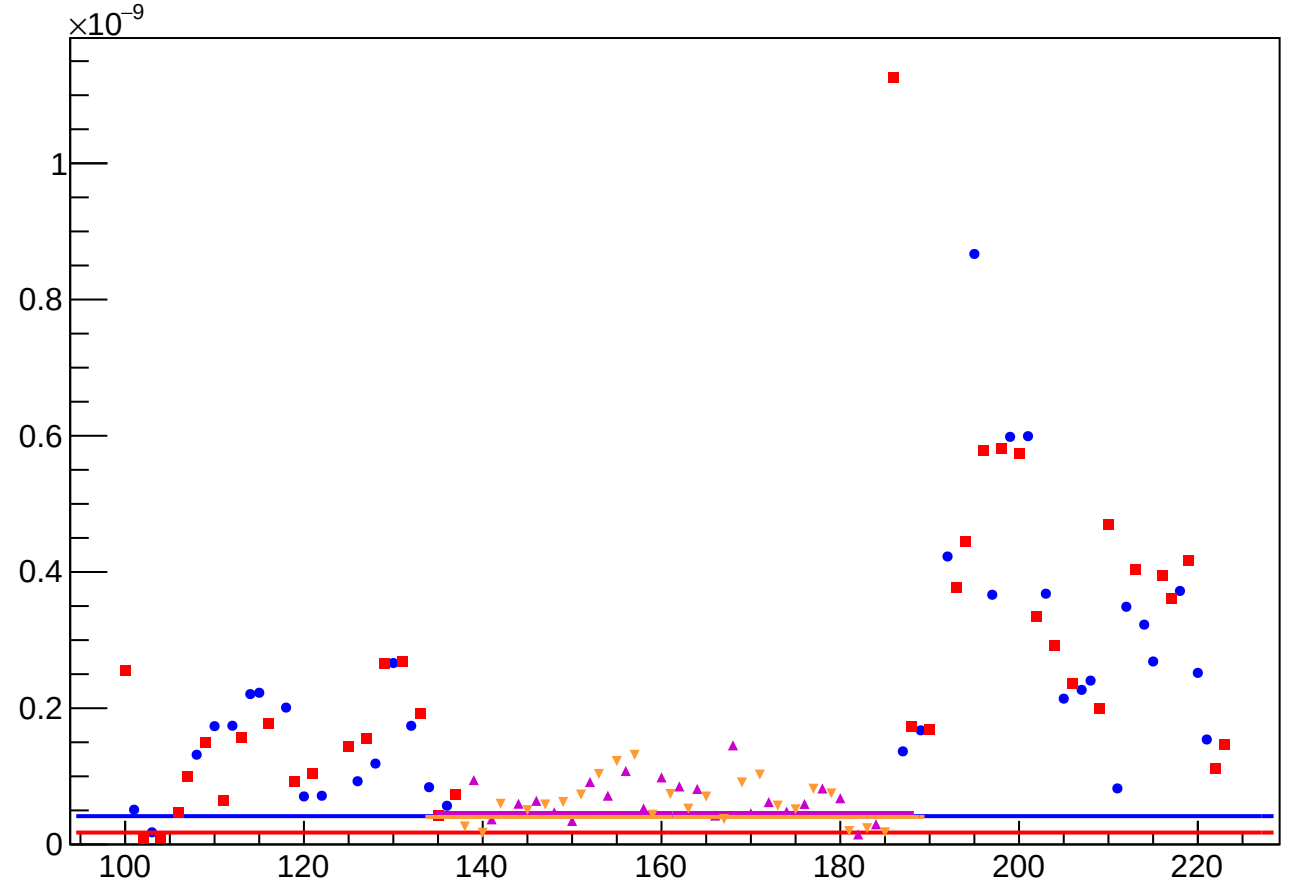
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3300.645+/-0.393 χ^2/NDF: 9570278.2/57

All: 3280.527+/-0.278 χ^2/NDF: 20877972.3/1

- sign 3260.534+/-0.392 χ^2/NDF: 11302480.3/59


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 29.0/33
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 36.4/36
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 74.4/57
All: -0.000+/-0.000 χ²/NDF: 134.9/117
- sign -0.000+/-0.000 χ²/NDF: 60.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 12001288.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

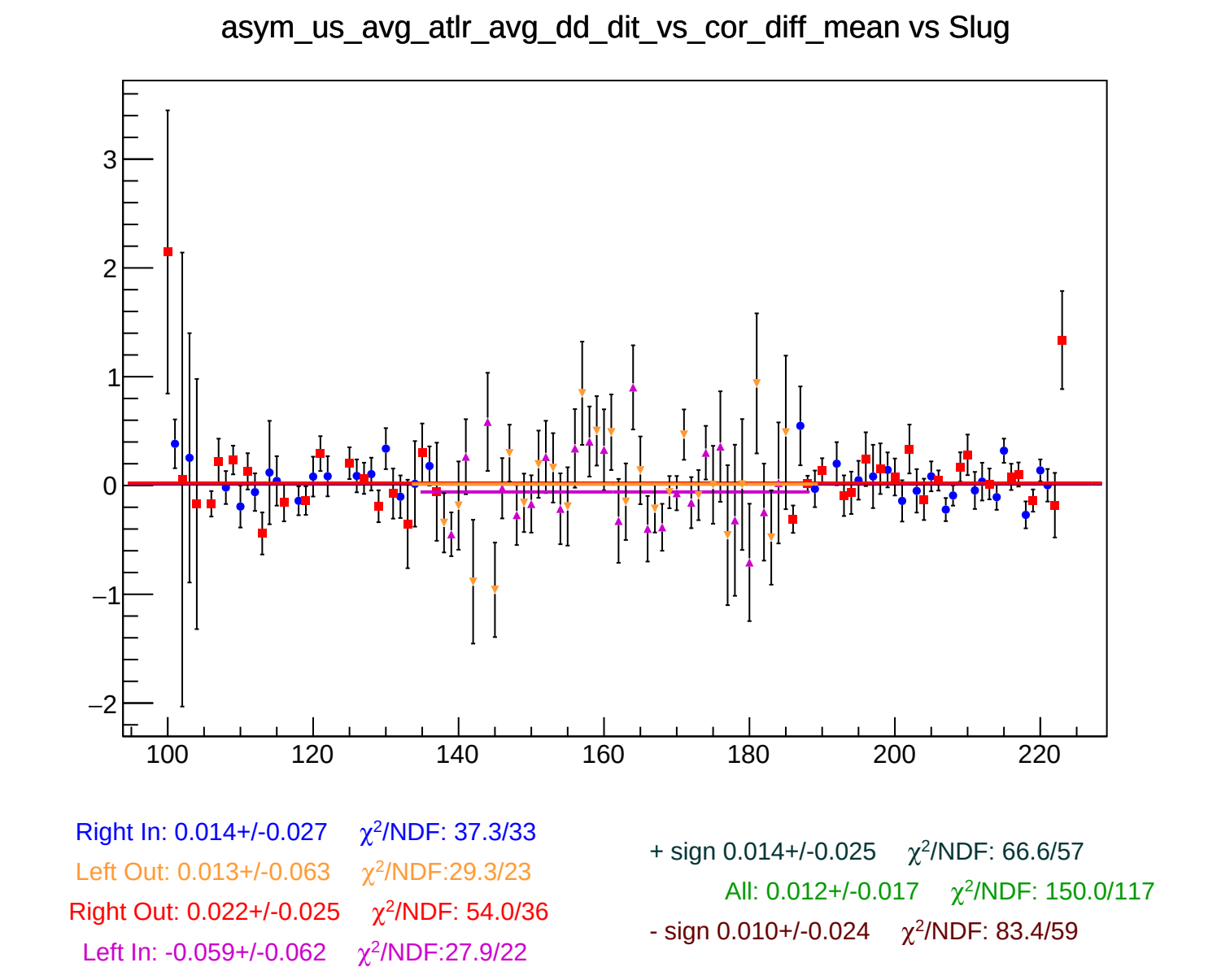
Right Out: 0.000+/-0.000 χ^2/NDF: 15344539.9/36

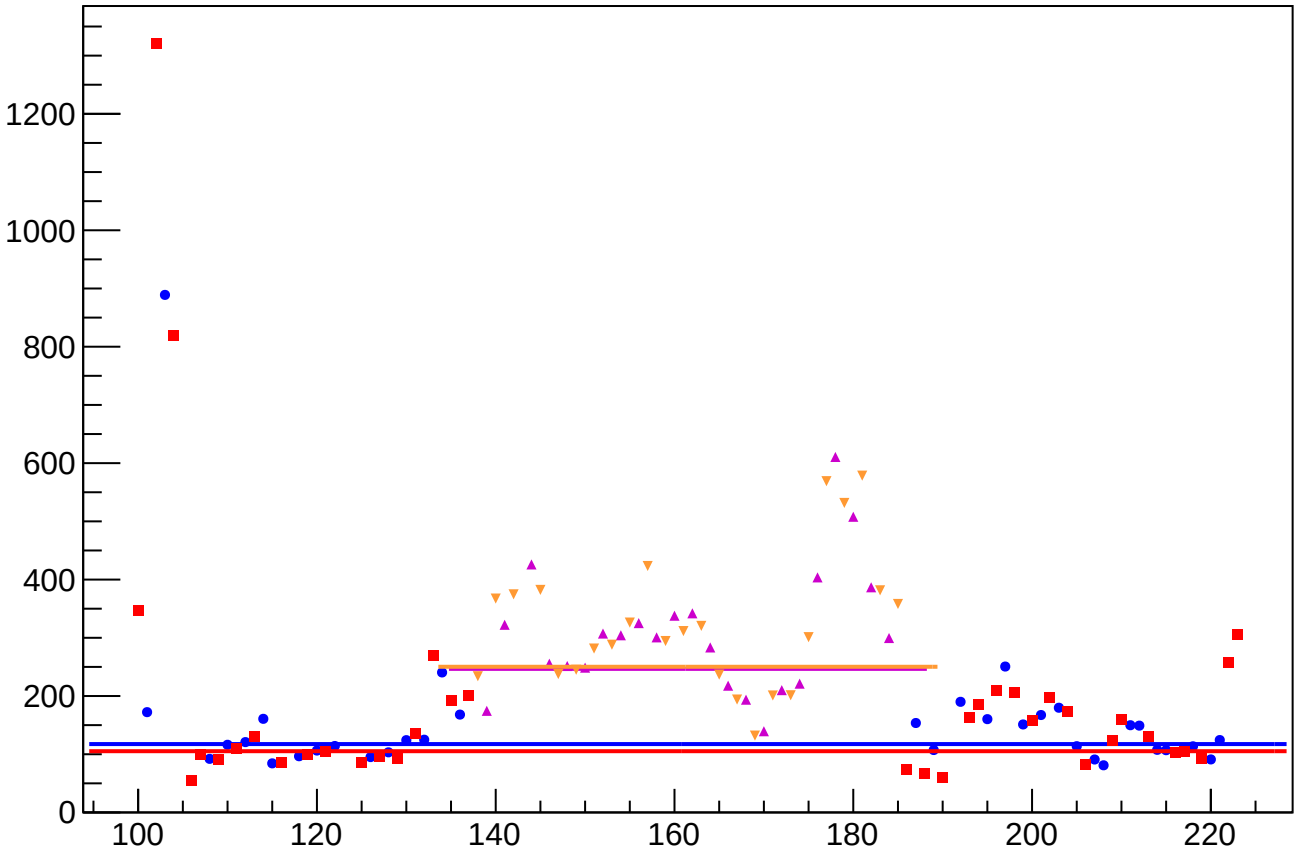
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15436193.6/57

All: 0.000+/-0.000 χ^2/NDF: 37363957.1/117

- sign 0.000+/-0.000 χ^2/NDF: 20941104.2/59


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.014+/-0.027 χ²/NDF: 37.3/33
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.022+/-0.025 χ²/NDF: 54.0/36
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/57
All: 0.012+/-0.017 χ²/NDF: 150.0/117
- sign 0.010+/-0.024 χ²/NDF: 83.4/59



Right In: 117.458+/-0.019 χ^2/NDF: 3617954.5/33

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

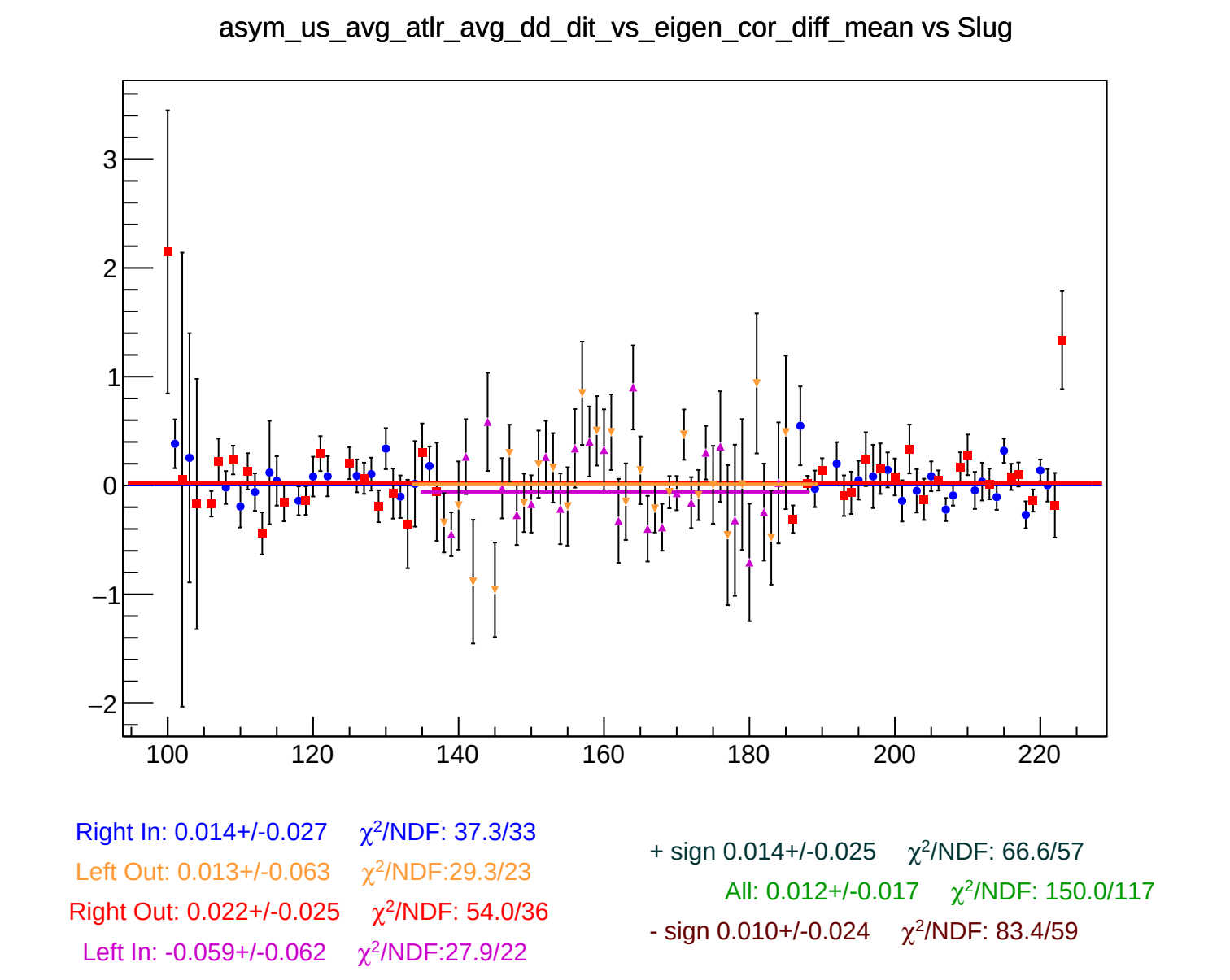
Right Out: 105.220+/-0.018 χ^2/NDF: 7077981.3/36

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 138.555+/-0.018 χ^2/NDF: 15442883.8/57

All: 131.665+/-0.012 χ^2/NDF: 35477769.9/11

- sign 125.609+/-0.017 χ^2/NDF: 19752071.7/59


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
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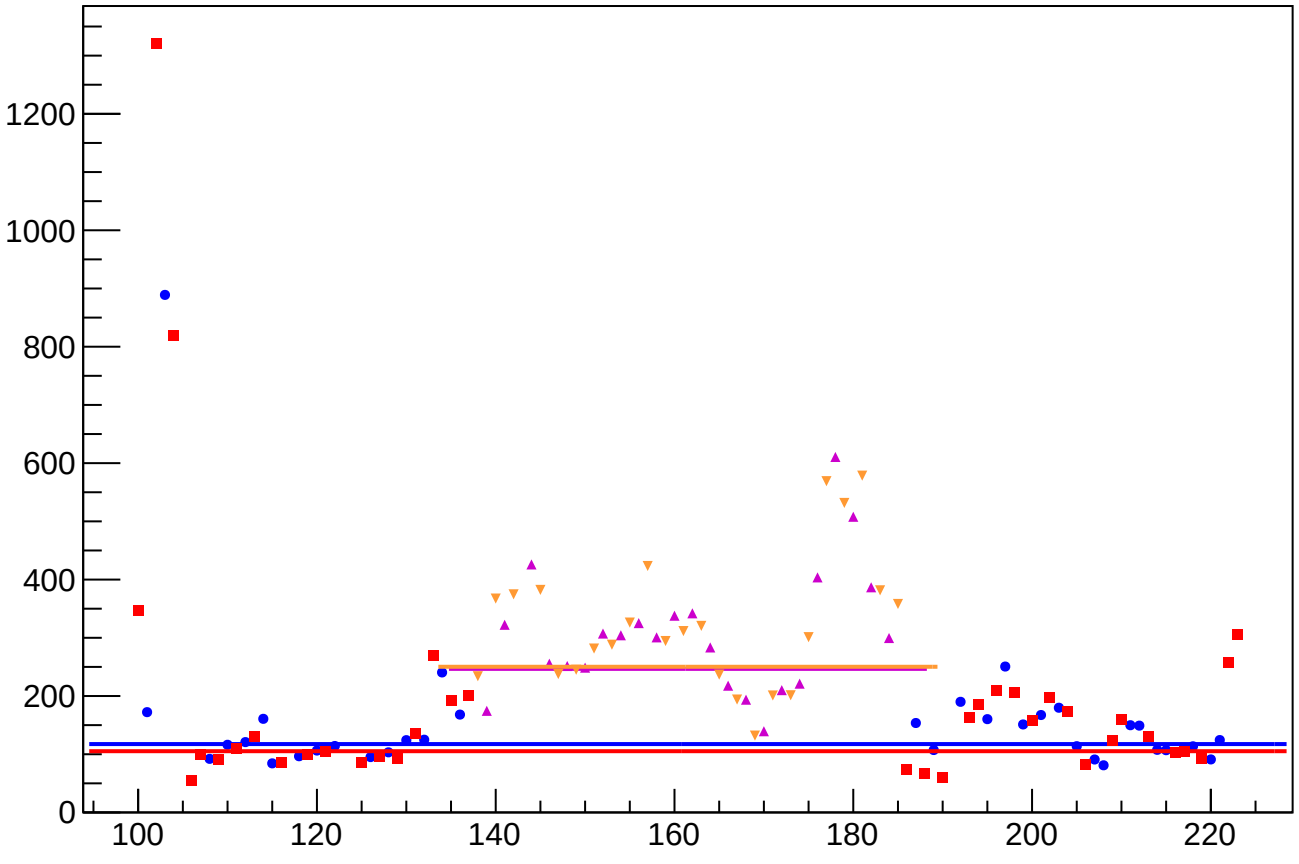
140
160
180
200
220
Right In: 0.014+/-0.027 χ²/NDF: 37.3/33
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.022+/-0.025 χ²/NDF: 54.0/36
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/57
All: 0.012+/-0.017 χ²/NDF: 150.0/117
- sign 0.010+/-0.024 χ²/NDF: 83.4/59



Right In: 117.458+/-0.019 χ^2/NDF: 3617954.5/33

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

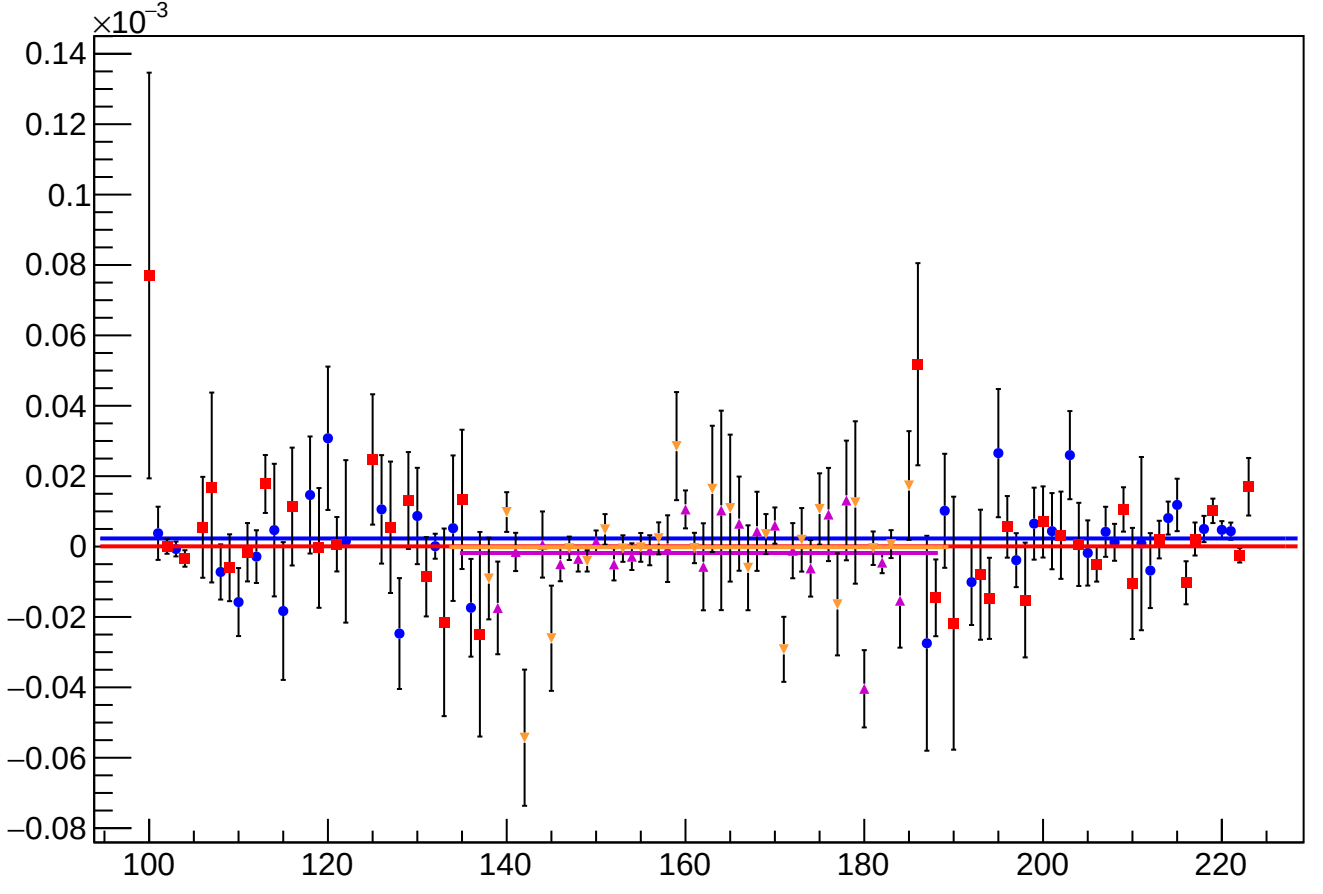
Right Out: 105.220+/-0.018 χ^2/NDF: 7077981.3/36

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 138.555+/-0.018 χ^2/NDF: 15442883.8/57

All: 131.665+/-0.012 χ^2/NDF: 35477769.9/11

- sign 125.609+/-0.017 χ^2/NDF: 19752071.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 31.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

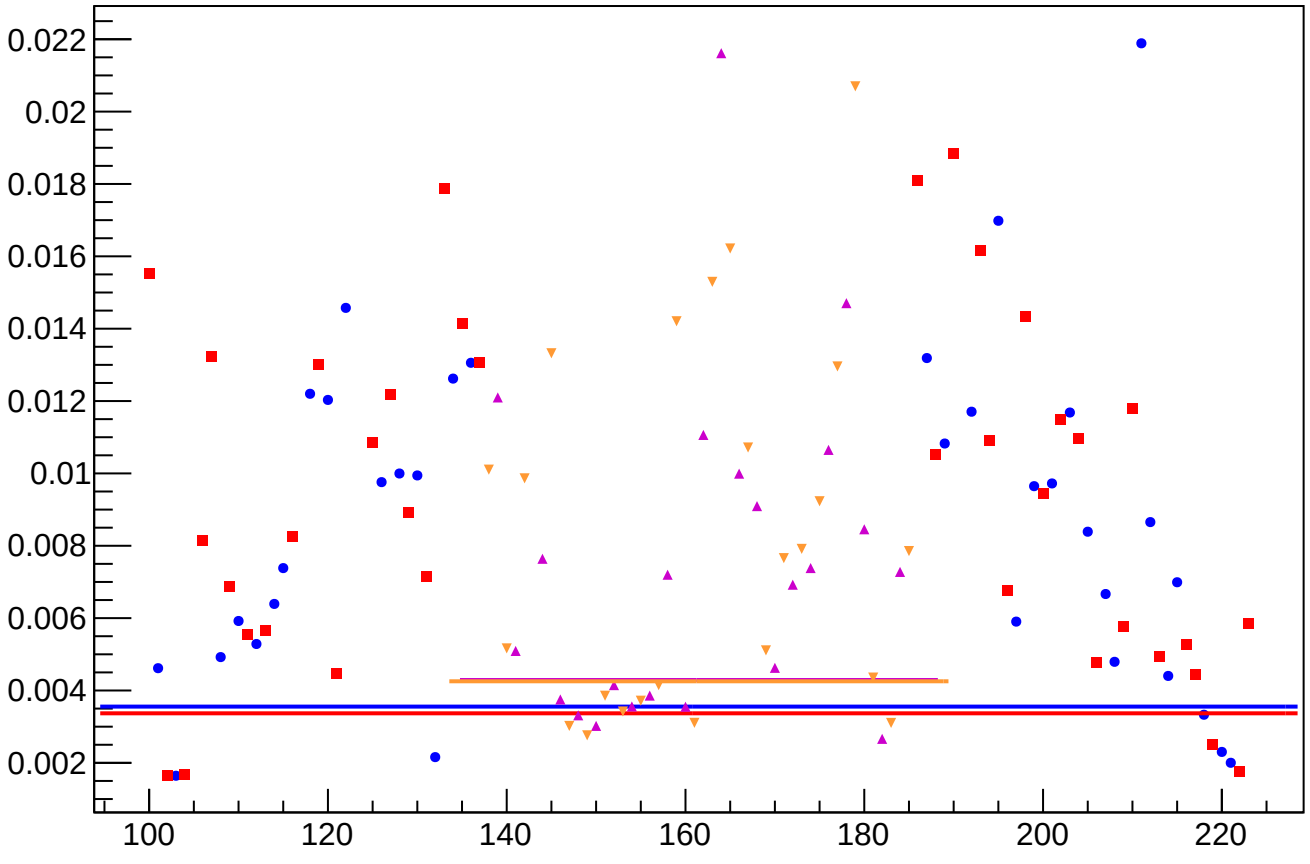
Right Out: 0.000+/-0.000 χ^2/NDF: 46.0/36

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.6/57

All: 0.000+/-0.000 χ^2/NDF: 150.6/117

- sign -0.000+/-0.000 χ^2/NDF: 75.7/59



Right In: 0.004+/-0.000 χ^2/NDF: 15552655.3/33

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

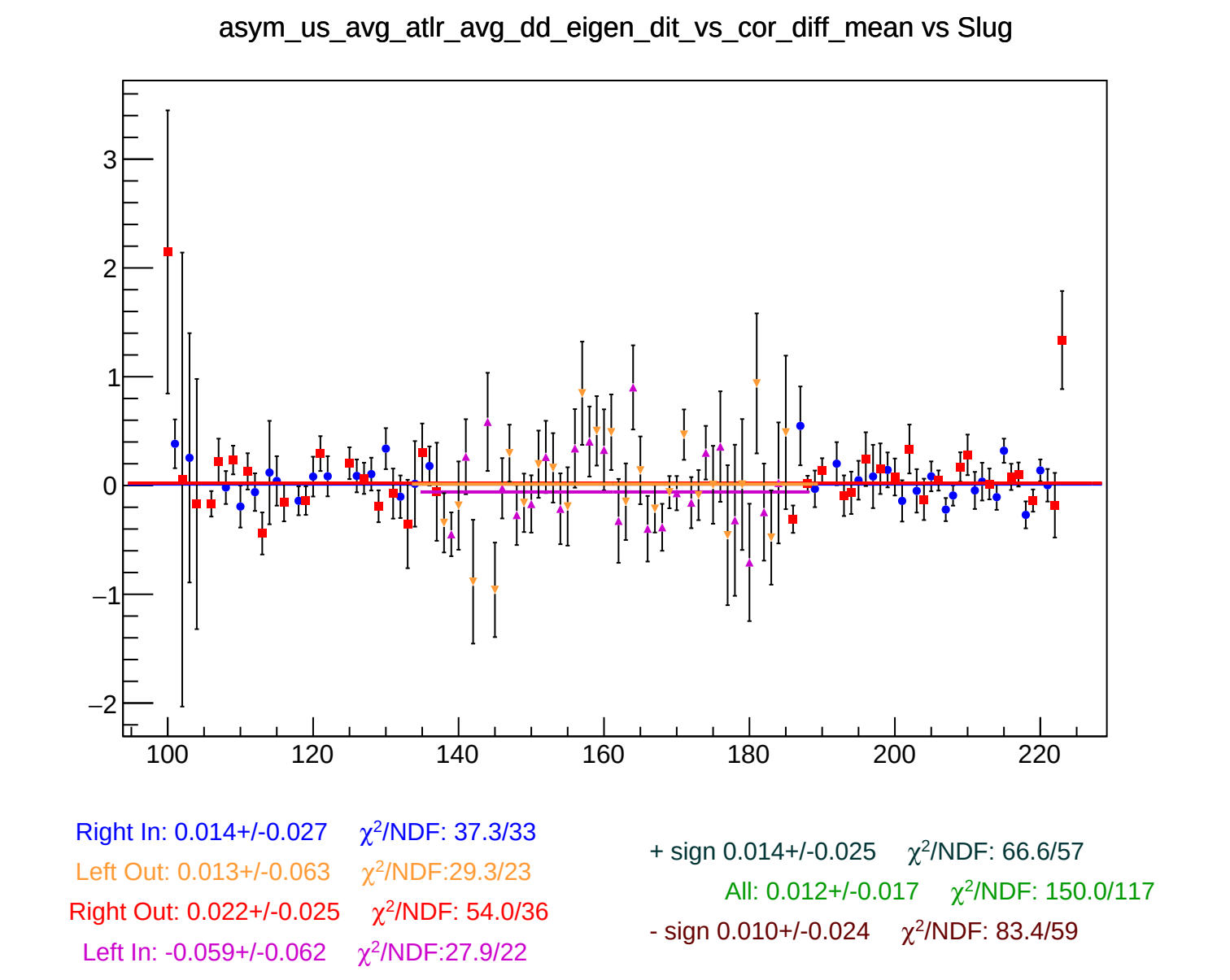
Right Out: 0.003+/-0.000 χ^2/NDF: 17333686.4/36

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 24458518.5/57

All: 0.004+/-0.000 χ^2/NDF: 49141080.3/117

- sign 0.004+/-0.000 χ^2/NDF: 24658266.4/59


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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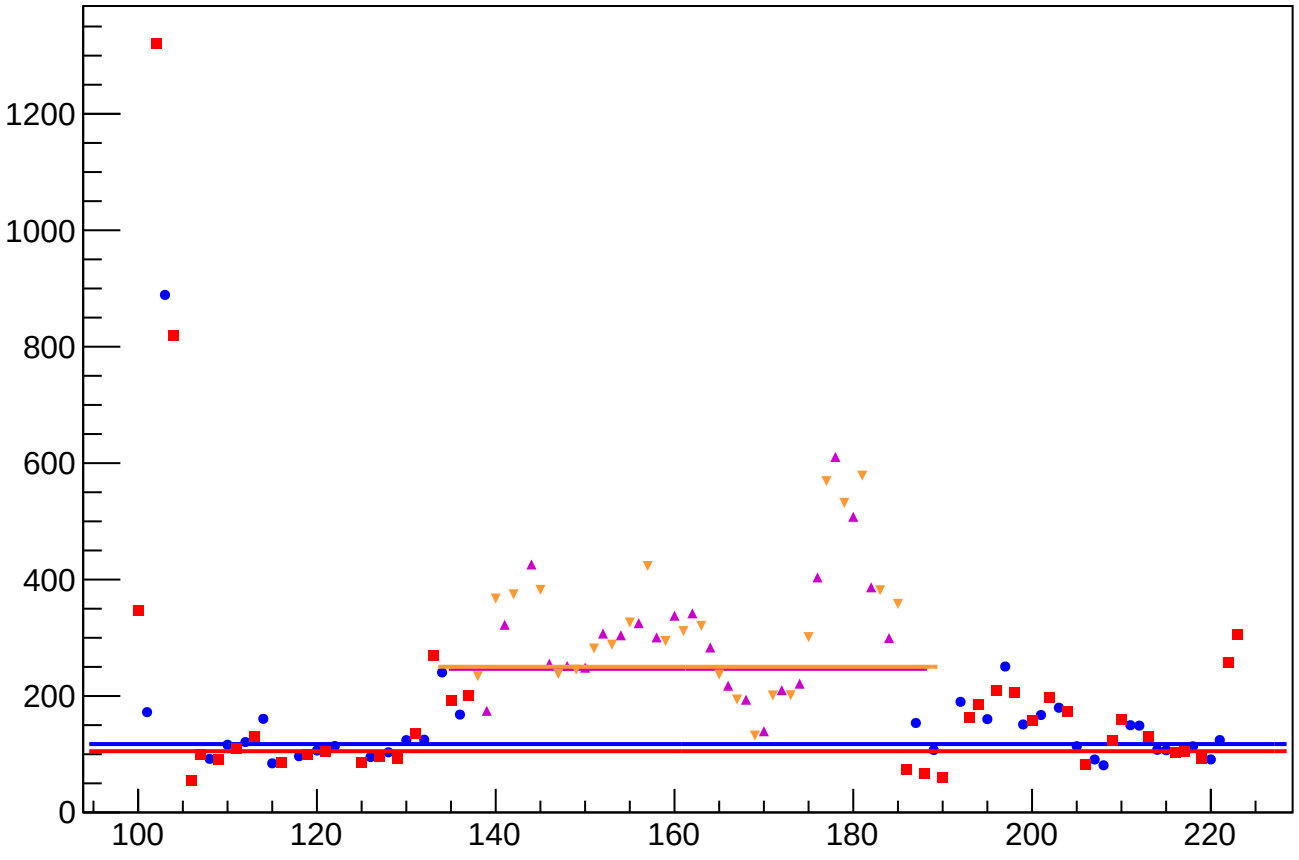
Right In: 0.014+/-0.027 χ²/NDF: 37.3/33
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.022+/-0.025 χ²/NDF: 54.0/36
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/57
All: 0.012+/-0.017 χ²/NDF: 150.0/117
- sign 0.010+/-0.024 χ²/NDF: 83.4/59



Right In: 117.457+/-0.019 χ^2/NDF: 3618044.0/33

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

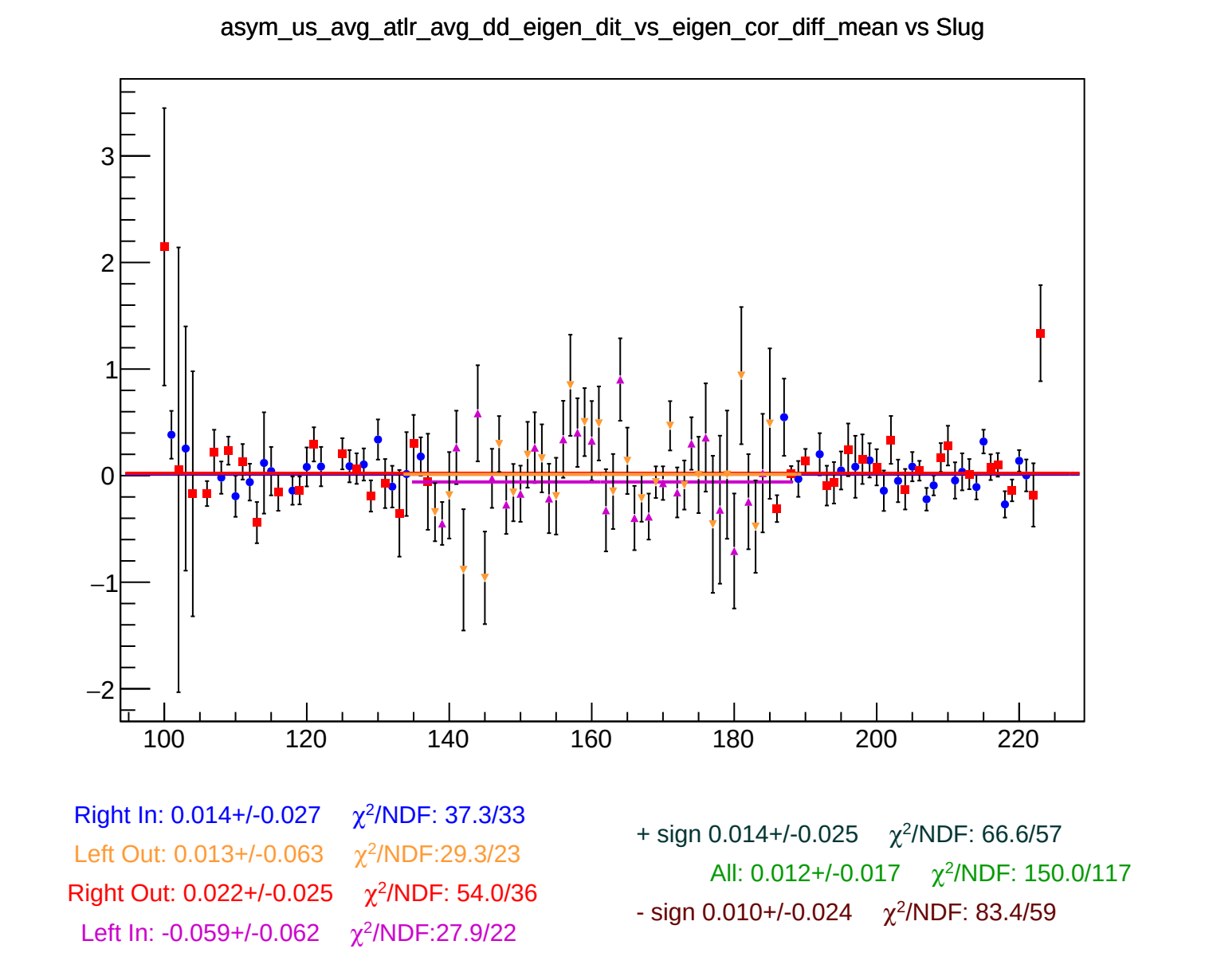
Right Out: 105.217+/-0.018 χ^2/NDF: 7078581.0/36

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 138.553+/-0.018 χ^2/NDF: 15443272.1/57

All: 131.662+/-0.012 χ^2/NDF: 35479532.9/11

- sign 125.605+/-0.017 χ^2/NDF: 19753326.6/59


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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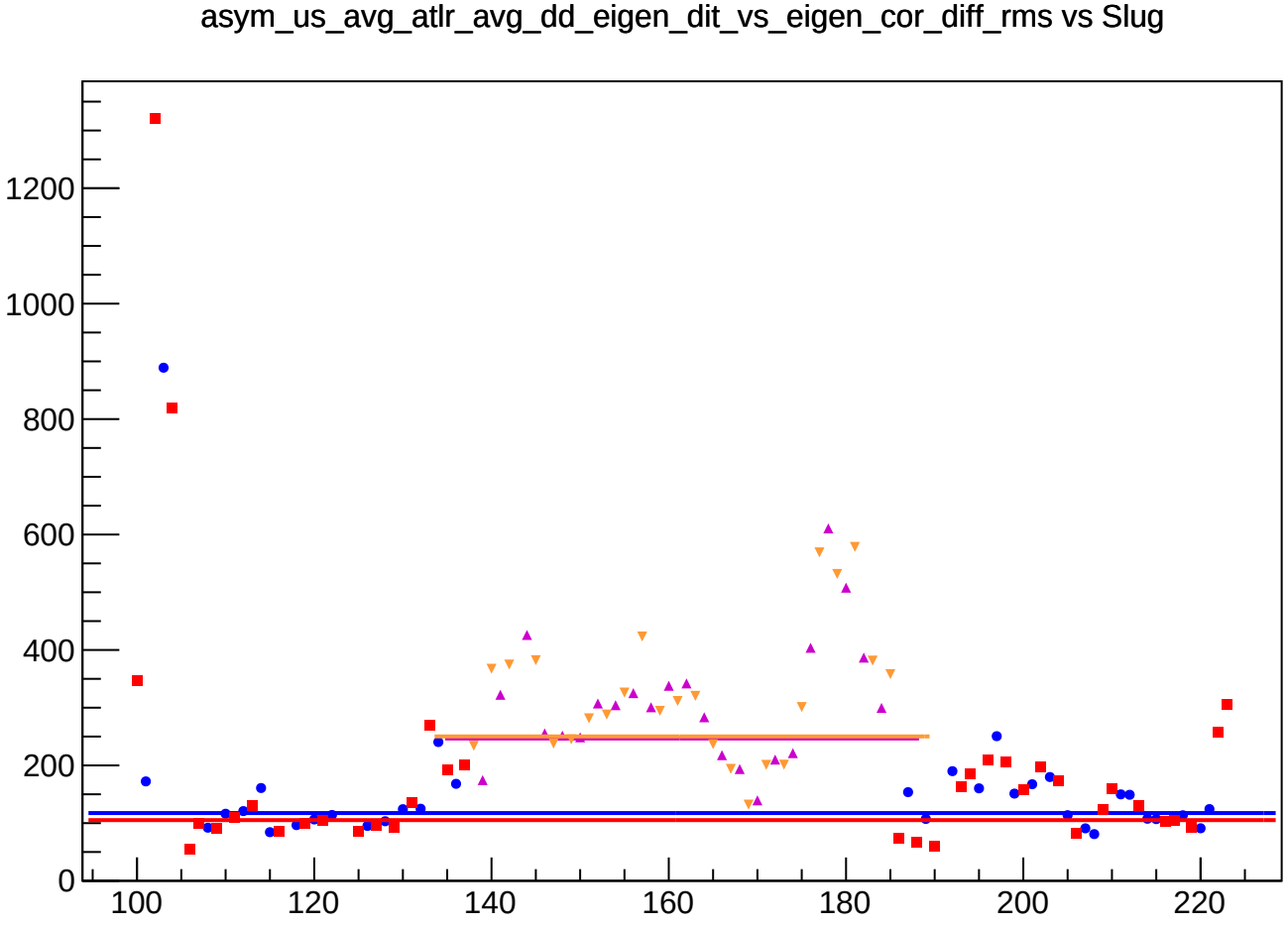
Right In: 0.014+/-0.027 χ²/NDF: 37.3/33
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.022+/-0.025 χ²/NDF: 54.0/36
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/57
All: 0.012+/-0.017 χ²/NDF: 150.0/117
- sign 0.010+/-0.024 χ²/NDF: 83.4/59



Right In: 117.457+/-0.019 χ^2/NDF: 3618044.0/33

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

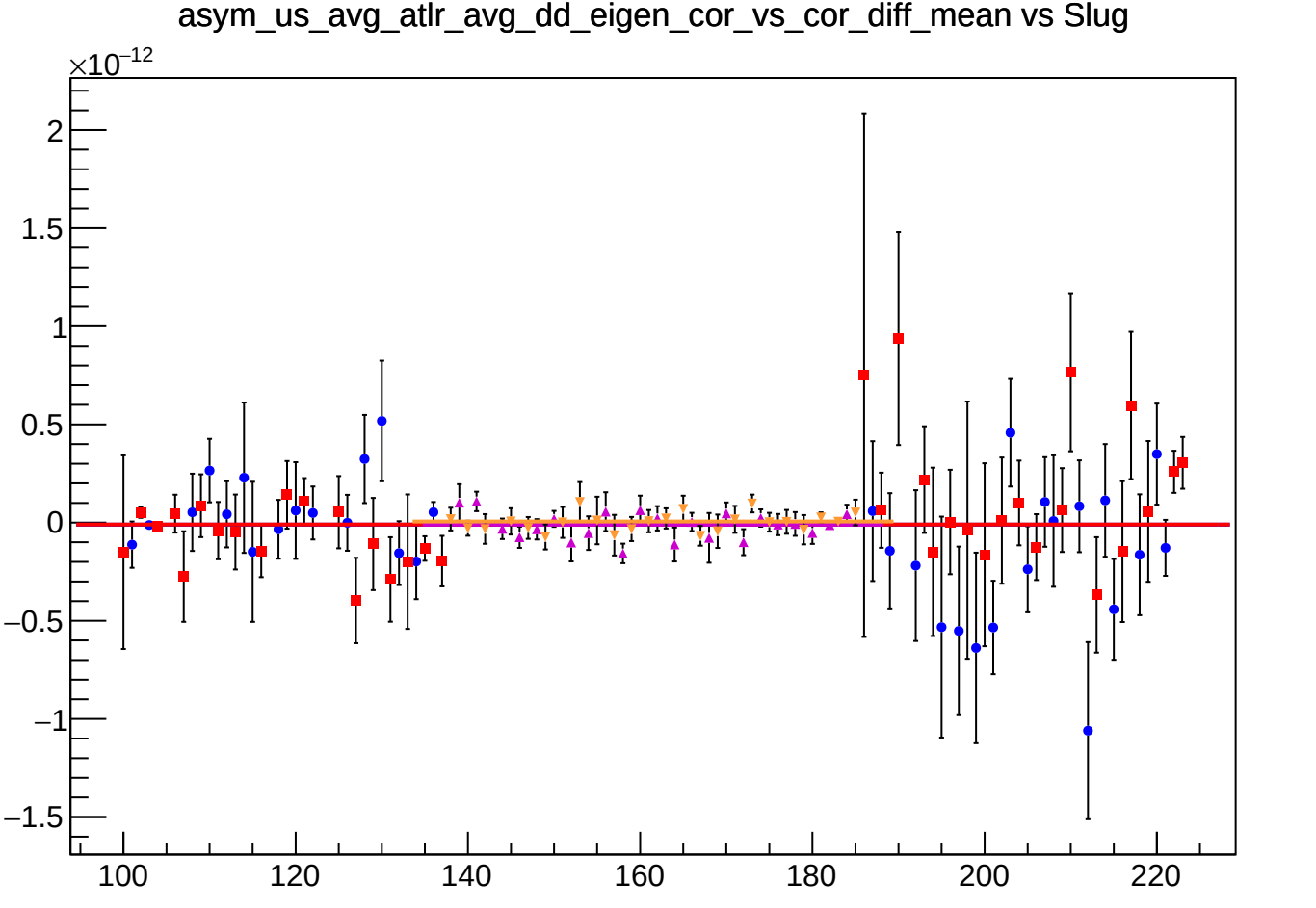
Right Out: 105.217+/-0.018 χ^2/NDF: 7078581.0/36

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 138.553+/-0.018 χ^2/NDF: 15443272.1/57

All: 131.662+/-0.012 χ^2/NDF: 35479532.9/11

- sign 125.605+/-0.017 χ^2/NDF: 19753326.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

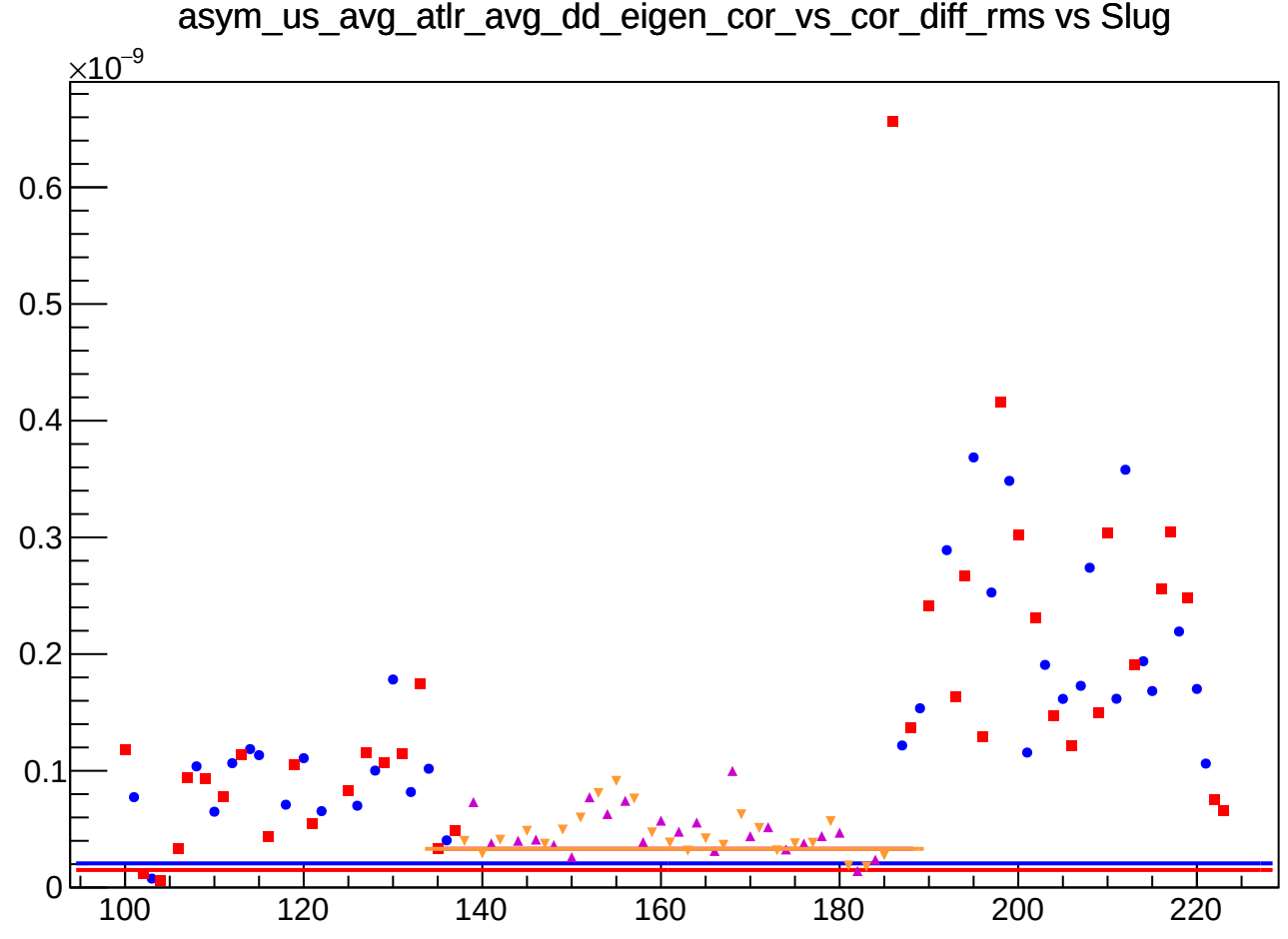
Right Out: -0.000+/-0.000 χ^2/NDF: 47.4/36

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/57

All: -0.000+/-0.000 χ^2/NDF: 129.1/117

- sign -0.000+/-0.000 χ^2/NDF: 75.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 19543813.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19866288.3/36

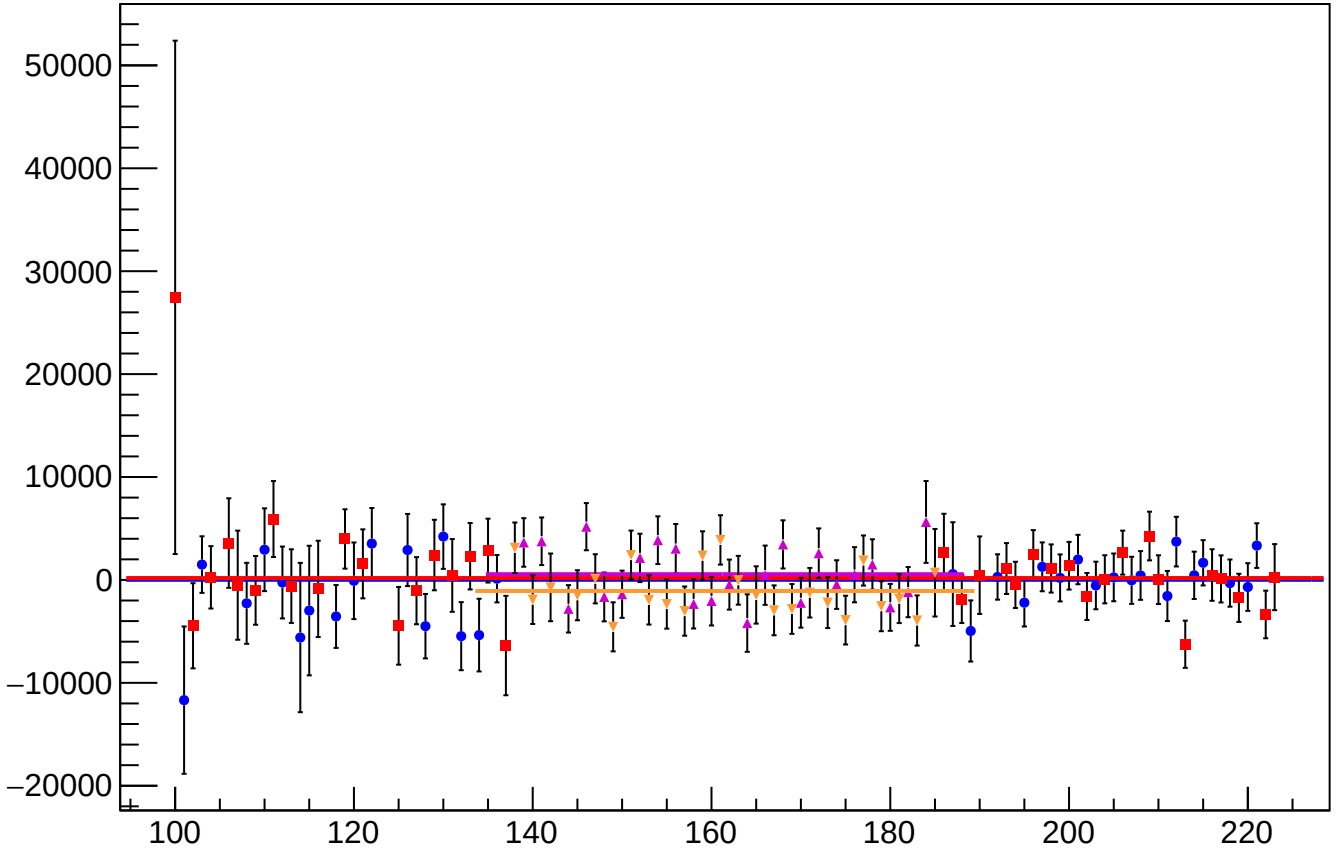
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 24769948.8/57

All: 0.000+/-0.000 χ^2/NDF: 53245352.2/117

- sign 0.000+/-0.000 χ^2/NDF: 28129374.0/59

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 15.111+/-473.053 χ^2/NDF: 27.3/33

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 182.671+/-470.670 χ^2/NDF: 31.3/36

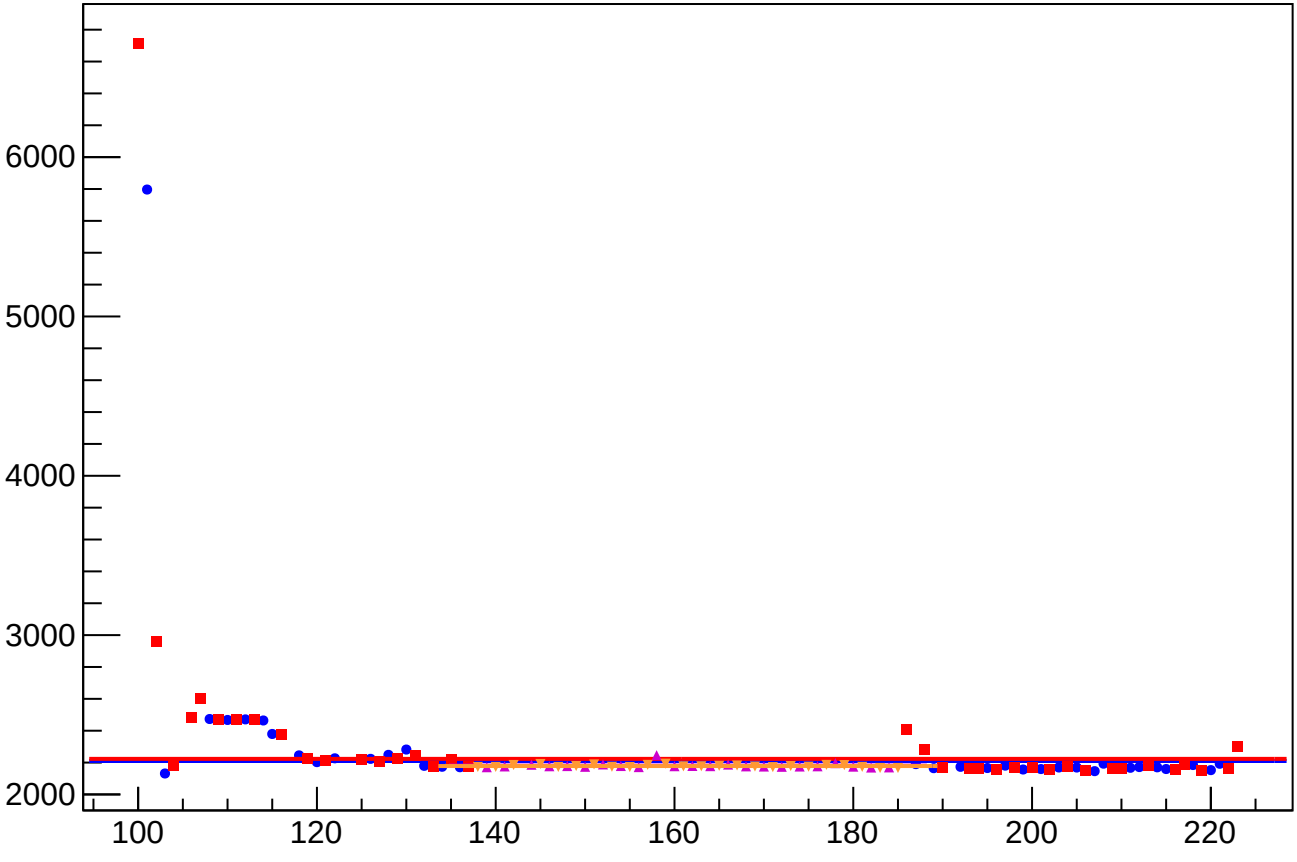
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -492.803+/-345.411 χ^2/NDF: 51.3/57

All: -69.097+/-244.322 χ^2/NDF: 114.7/117

- sign 355.160+/-345.636 χ^2/NDF: 60.3/59

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2209.933+/-0.334 χ^2/NDF: 550003.7/33

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

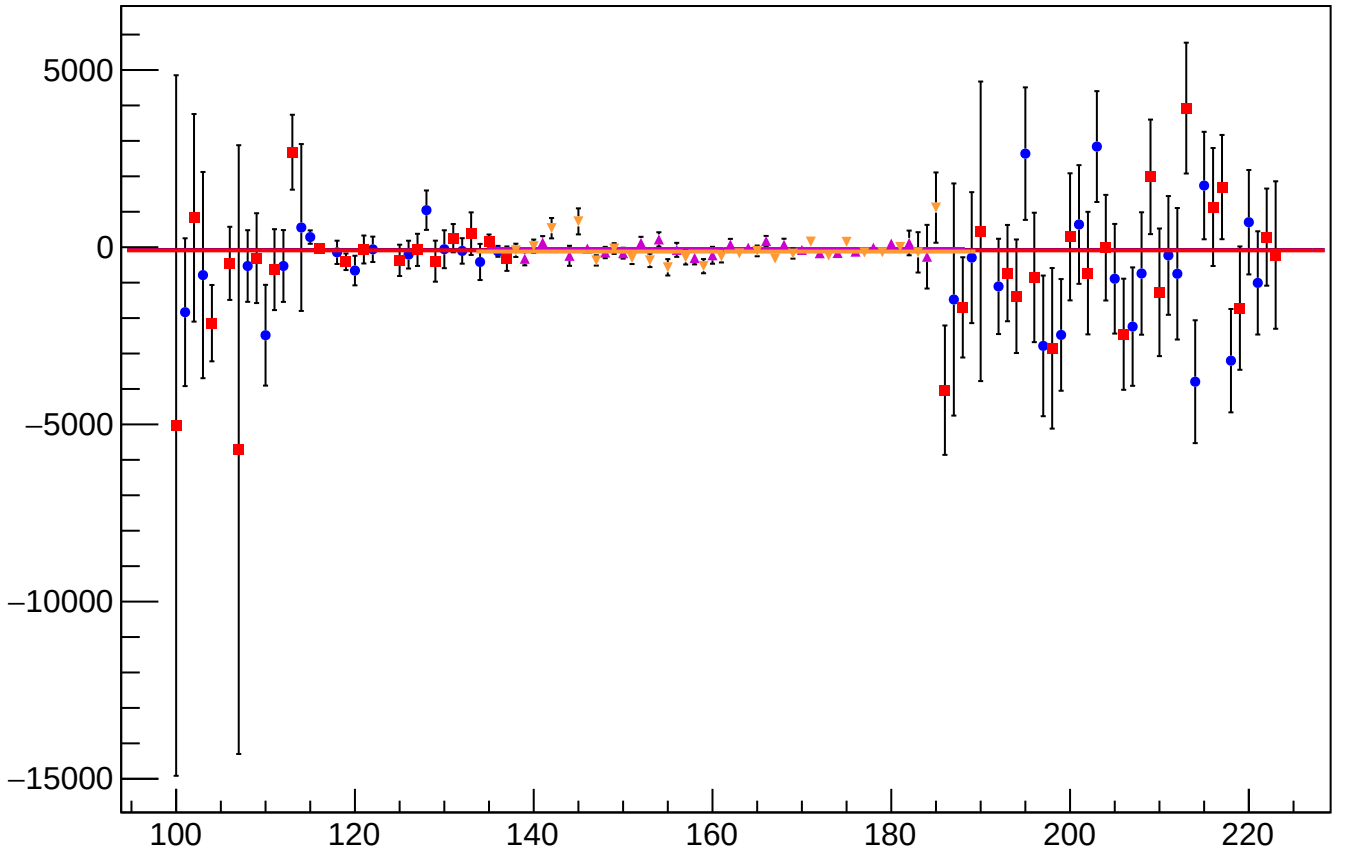
Right Out: 2223.256+/-0.333 χ^2/NDF: 204879.7/36

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

\+ sign 2195.139+/-0.244 χ^2/NDF: 554582.6/57

All: 2199.442+/-0.173 χ^2/NDF: 769405.2/117

\- sign 2203.750+/-0.244 χ^2/NDF: 214201.6/59



Right In: -79.006+/-88.540 χ^2/NDF: 38.8/33

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

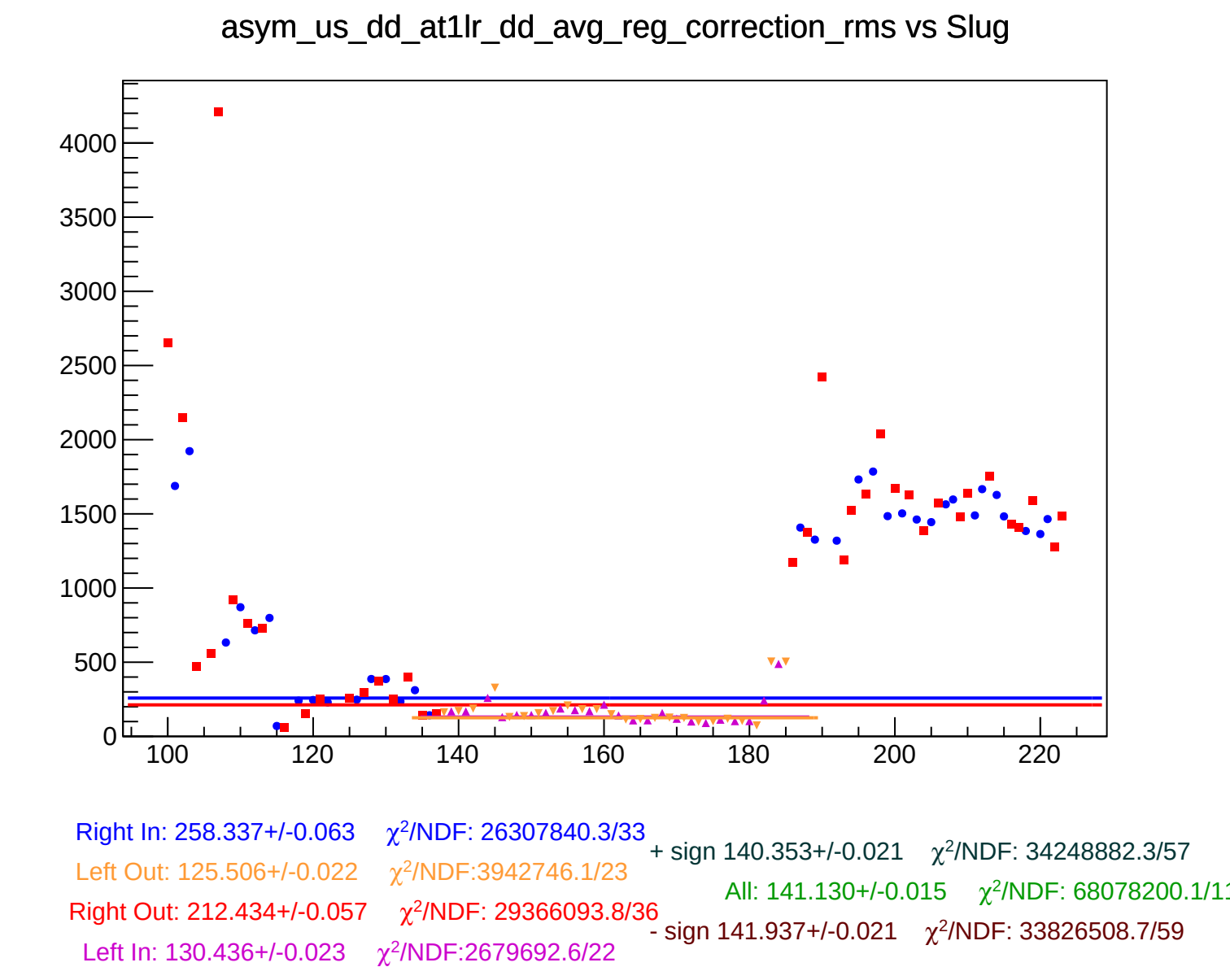
Right Out: -88.468+/-80.576 χ^2/NDF: 38.4/36

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -118.089+/-29.601 χ^2/NDF: 82.8/57

All: -87.480+/-21.131 χ^2/NDF: 141.8/117

- sign -55.668+/-30.176 χ^2/NDF: 56.9/59


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug
4000
3500
3000
2500
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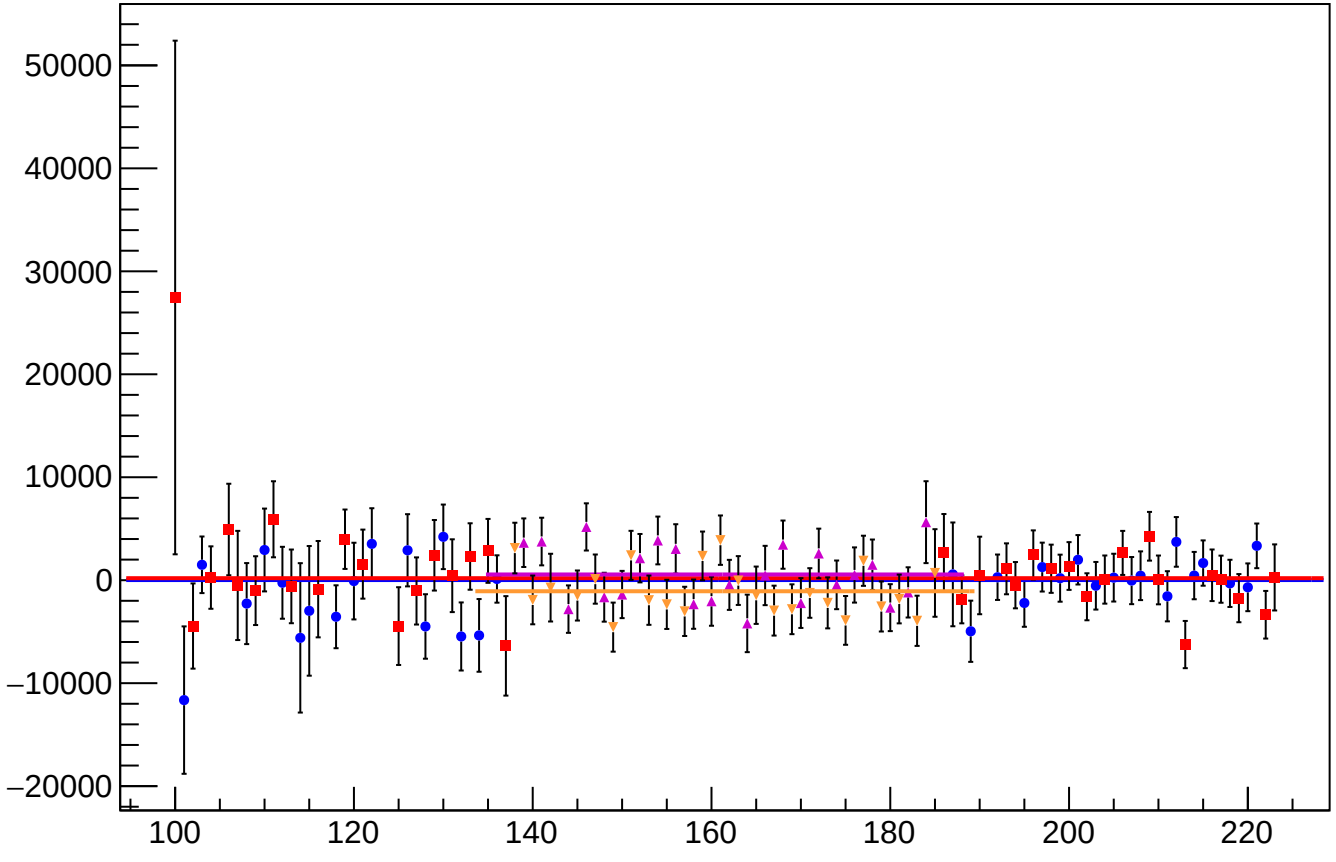
500
0
100
120
140
160
180
200
220
Right In: 258.337+/-0.063 χ²/NDF: 26307840.3/33
Left Out: 125.506+/-0.022 χ²/NDF:3942746.1/23
Right Out: 212.434+/-0.057 χ²/NDF: 29366093.8/36
Left In: 130.436+/-0.023 χ²/NDF:2679692.6/22
+ sign 140.353+/-0.021 χ²/NDF: 34248882.3/57
All: 141.130+/-0.015 χ²/NDF: 68078200.1/11
- sign 141.937+/-0.021 χ²/NDF: 33826508.7/59

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 15.490+/-473.053 χ^2/NDF: 27.3/33

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 196.208+/-470.785 χ^2/NDF: 31.9/36

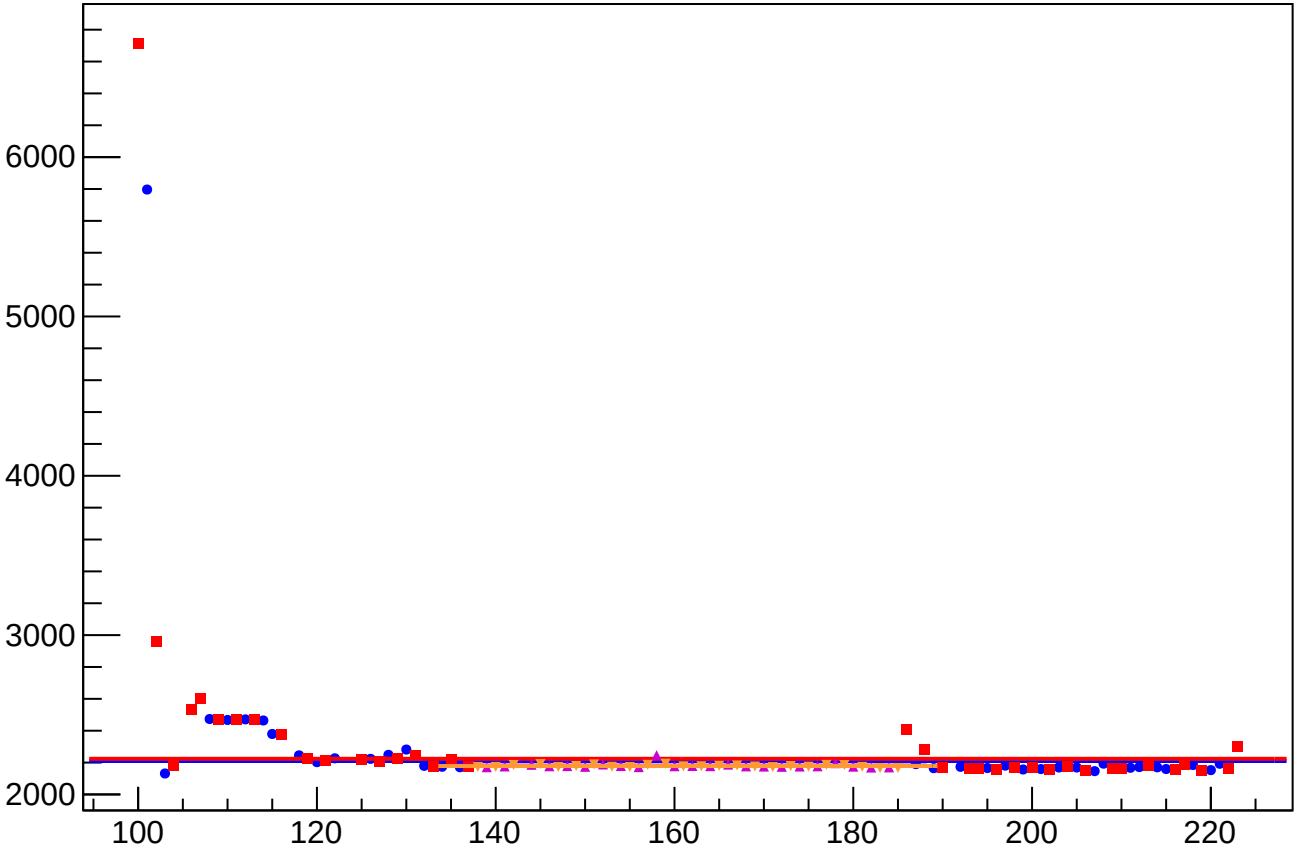
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -492.569+/-345.411 χ^2/NDF: 51.3/57

All: -65.360+/-244.338 χ^2/NDF: 115.2/117

- sign 362.517+/-345.681 χ^2/NDF: 60.8/59

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2209.933+/-0.334 χ^2/NDF: 550004.0/33

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

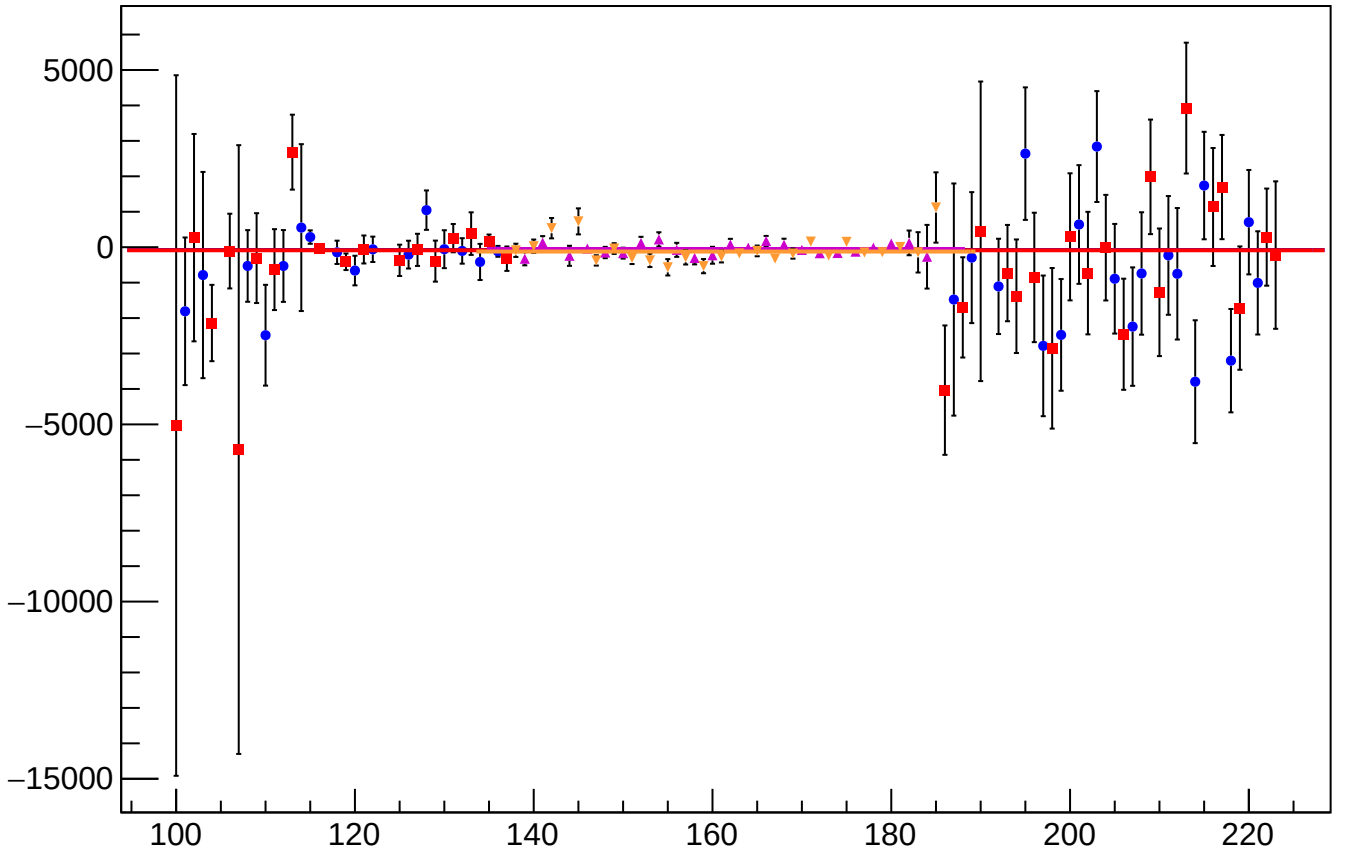
Right Out: 2223.698+/-0.333 χ^2/NDF: 207517.1/36

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2195.139+/-0.244 χ^2/NDF: 554582.9/57

All: 2199.558+/-0.173 χ^2/NDF: 772232.0/117

- sign 2203.983+/-0.244 χ^2/NDF: 216994.0/59



Right In: -79.041+/-88.545 χ^2/NDF: 38.8/33

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

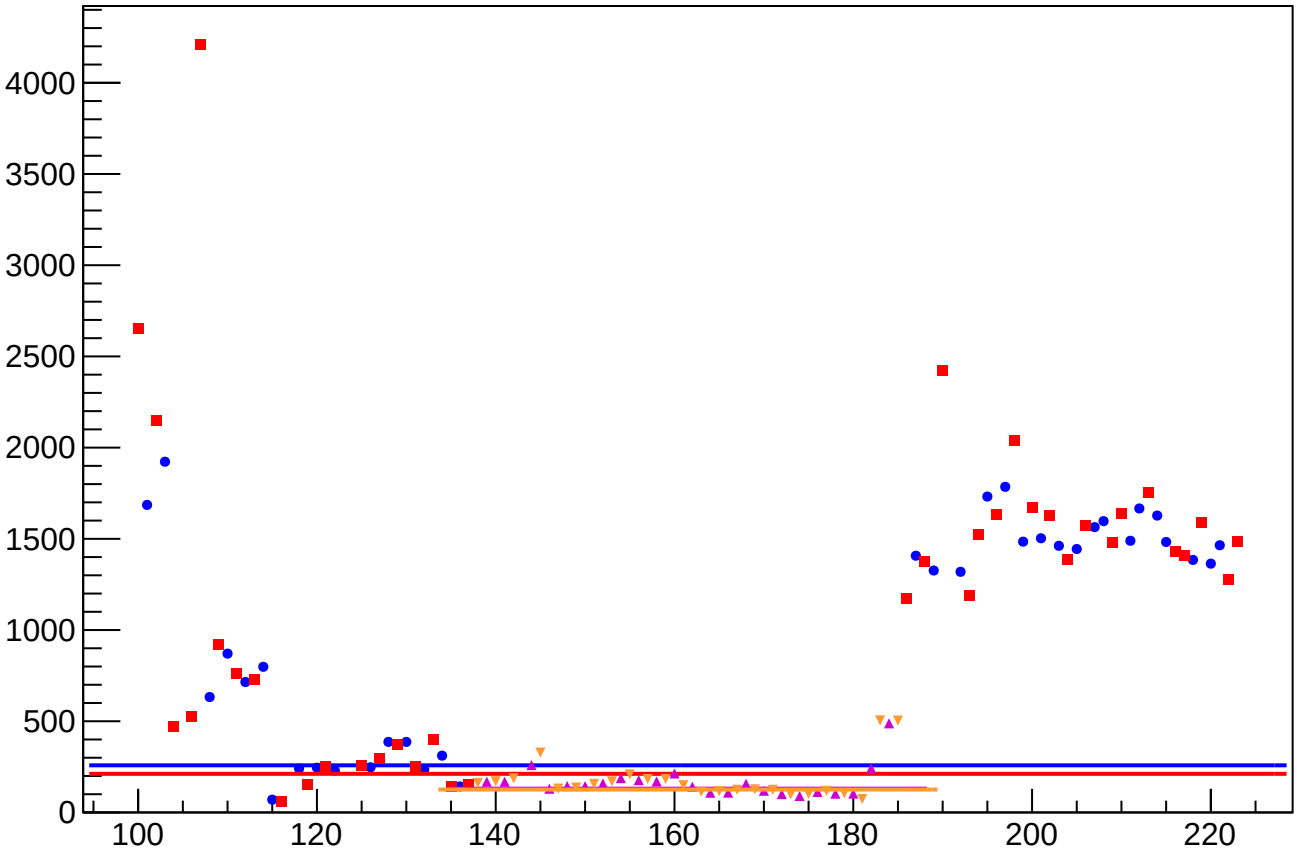
Right Out: -86.537+/-80.518 χ^2/NDF: 38.2/36

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -118.023+/-29.601 χ^2/NDF: 82.8/57

All: -87.271+/-21.131 χ^2/NDF: 141.6/117

- sign -55.312+/-30.176 χ^2/NDF: 56.6/59



Right In: 258.368+/-0.063 χ^2/NDF: 26305844.8/33

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 211.820+/-0.057 χ^2/NDF: 29340835.5/36

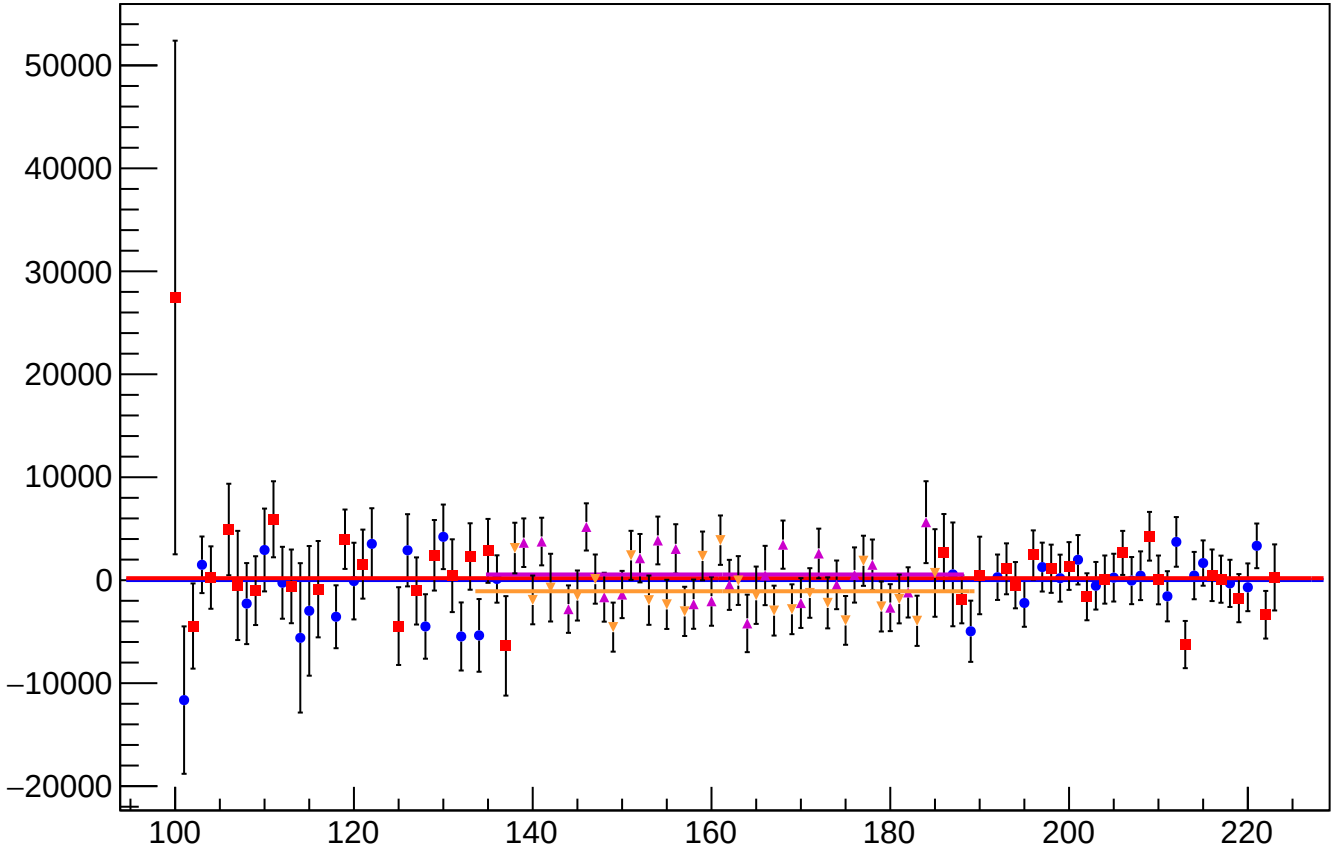
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 140.351+/-0.021 χ^2/NDF: 34249373.1/57

All: 141.101+/-0.015 χ^2/NDF: 68027816.0/11

- sign 141.880+/-0.021 χ^2/NDF: 33775828.7/59

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 15.490+/-473.053 χ^2/NDF: 27.3/33

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 196.208+/-470.785 χ^2/NDF: 31.9/36

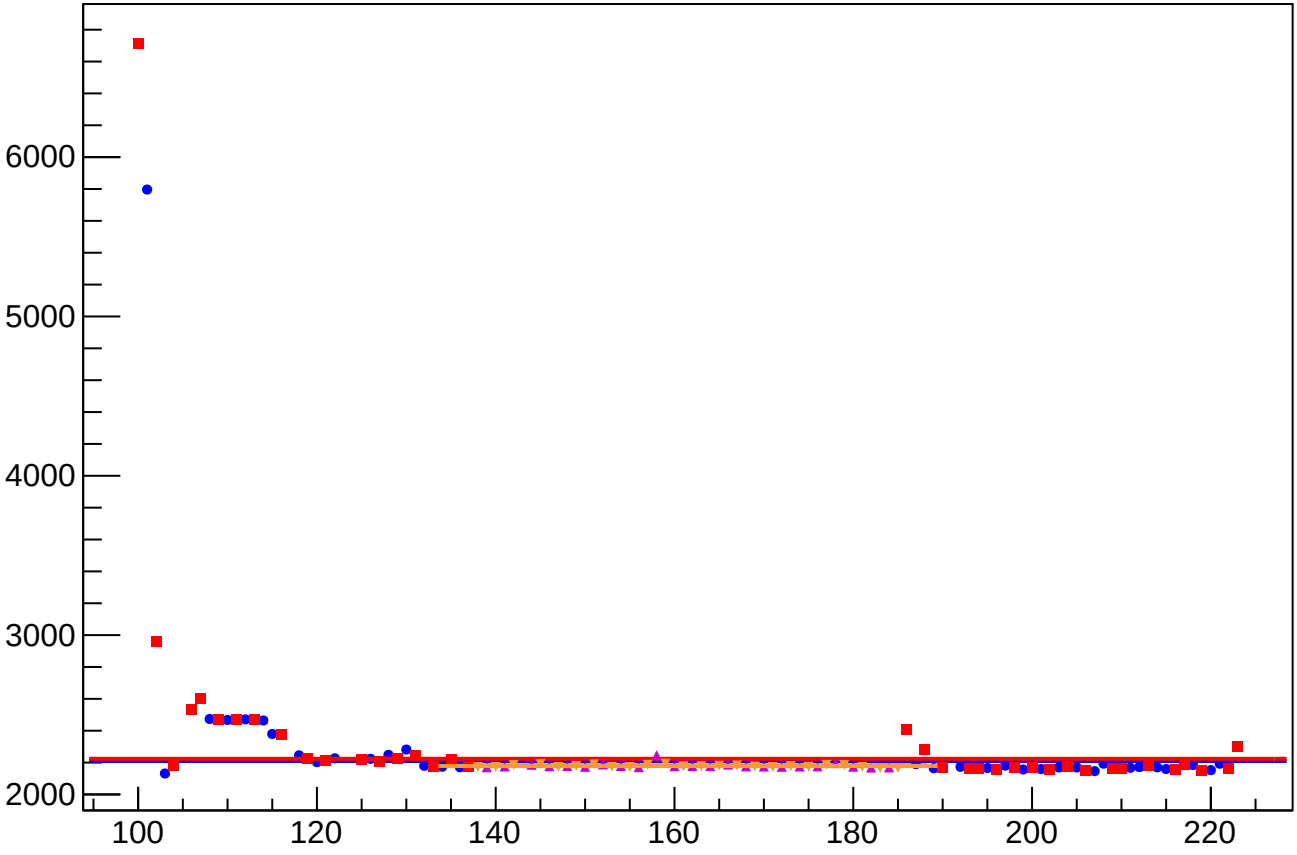
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -492.569+/-345.411 χ^2/NDF: 51.3/57

All: -65.360+/-244.338 χ^2/NDF: 115.2/117

- sign 362.517+/-345.681 χ^2/NDF: 60.8/59

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2209.933+/-0.334 χ^2/NDF: 550004.0/33

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

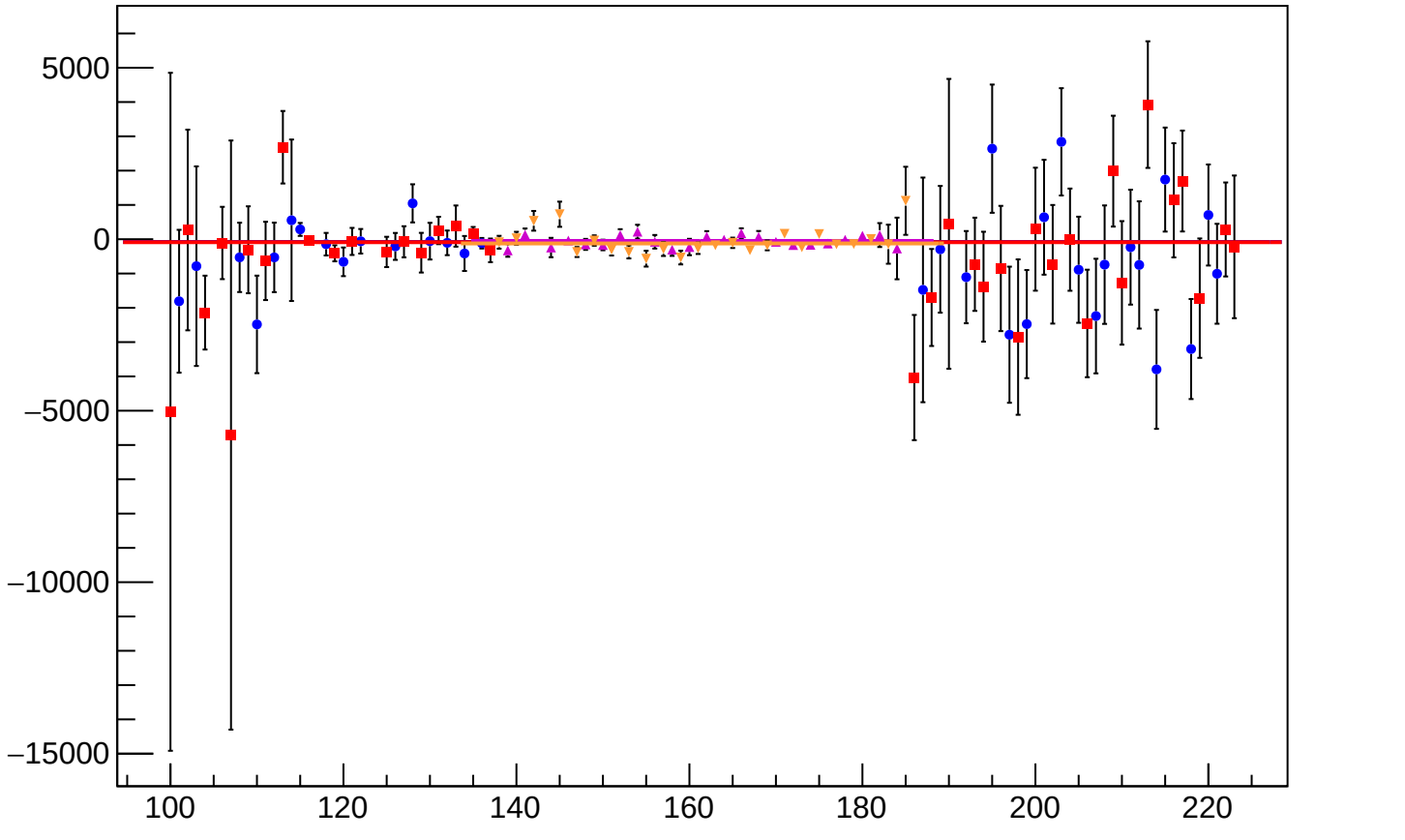
Right Out: 2223.698+/-0.333 χ^2/NDF: 207517.1/36

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2195.139+/-0.244 χ^2/NDF: 554582.9/57

All: 2199.558+/-0.173 χ^2/NDF: 772232.0/117

- sign 2203.983+/-0.244 χ^2/NDF: 216994.0/59



Right In: -79.041+/-88.545 χ^2/NDF: 38.8/33

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

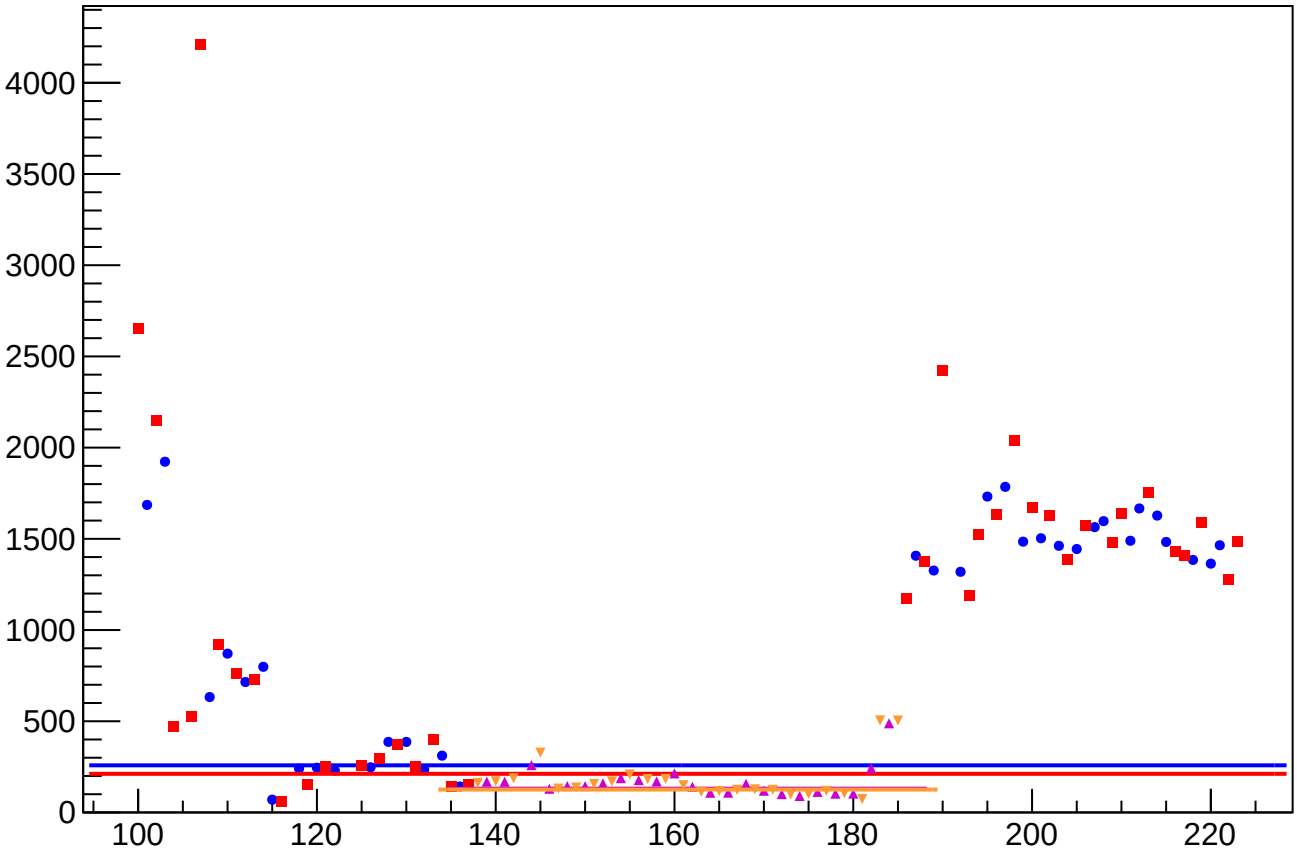
Right Out: -86.537+/-80.518 χ^2/NDF: 38.2/36

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -118.023+/-29.601 χ^2/NDF: 82.8/57

All: -87.271+/-21.131 χ^2/NDF: 141.6/117

- sign -55.312+/-30.176 χ^2/NDF: 56.6/59



Right In: 258.368+/-0.063 χ^2/NDF: 26305844.8/33

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 211.820+/-0.057 χ^2/NDF: 29340835.5/36

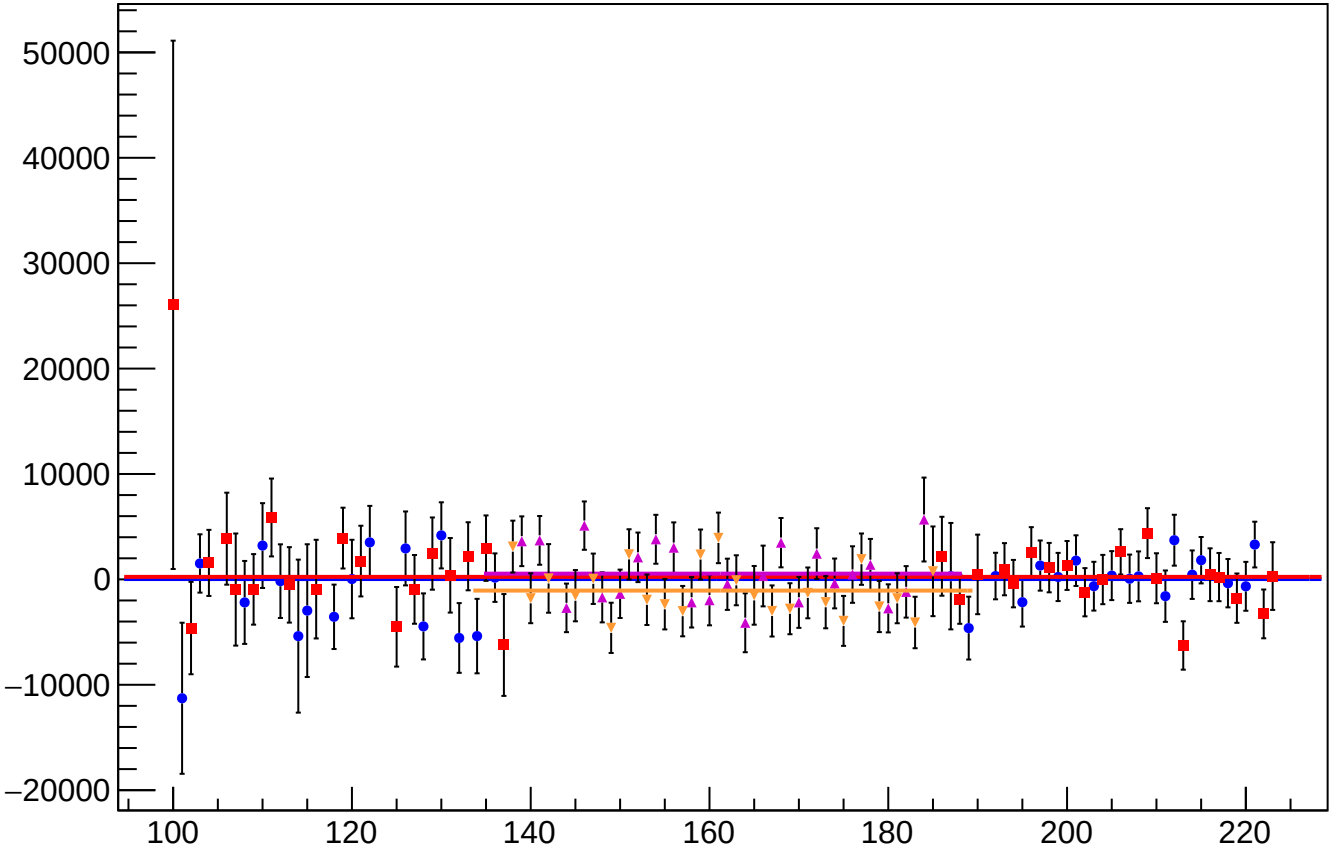
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 140.351+/-0.021 χ^2/NDF: 34249373.1/57

All: 141.101+/-0.015 χ^2/NDF: 68027816.0/11

- sign 141.880+/-0.021 χ^2/NDF: 33775828.7/59

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 32.967+/-473.512 χ^2/NDF: 26.7/33

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 238.325+/-471.837 χ^2/NDF: 31.0/36

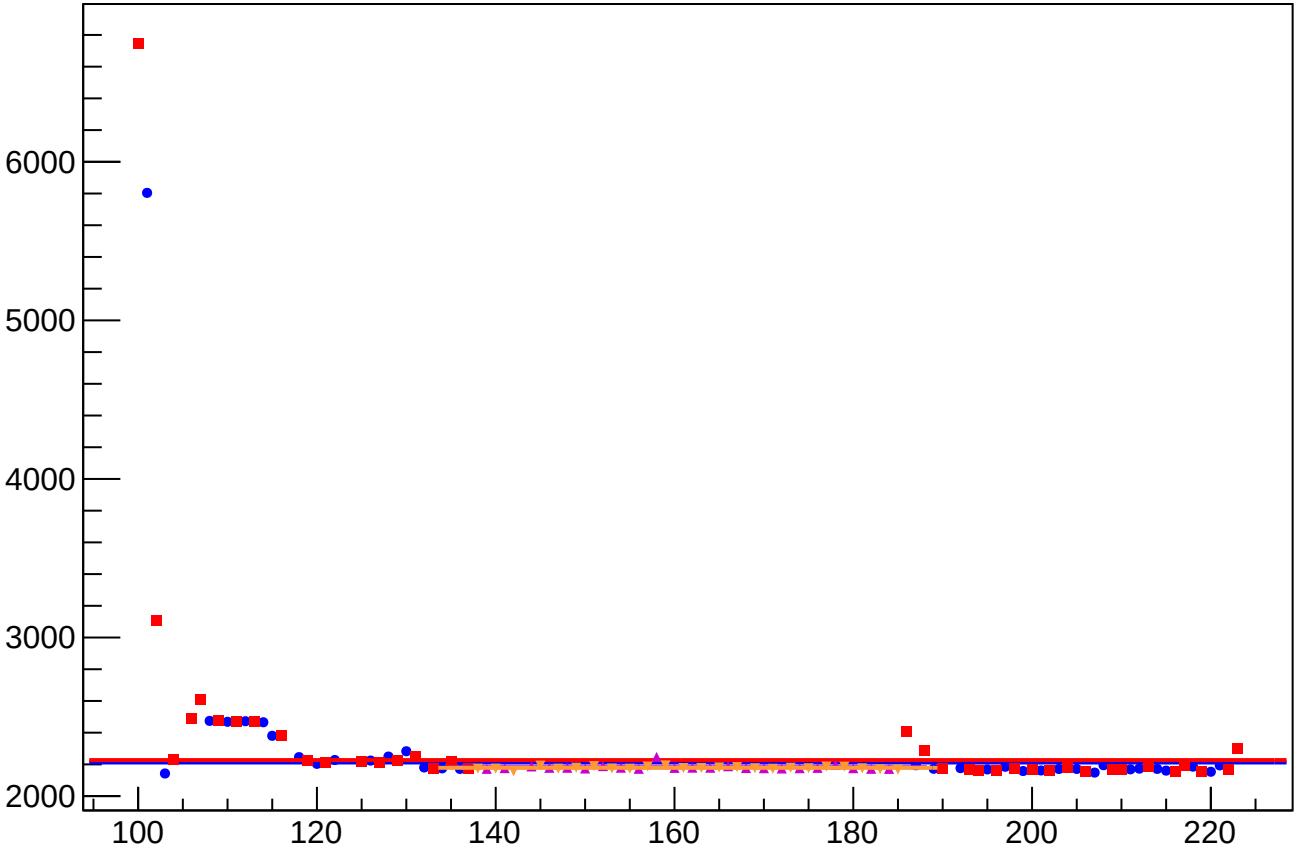
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -478.816+/-345.620 χ^2/NDF: 51.1/57

All: -50.294+/-244.584 χ^2/NDF: 113.3/117

- sign 379.588+/-346.168 χ^2/NDF: 59.1/59

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2212.003+/-0.335 χ^2/NDF: 549549.9/33

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

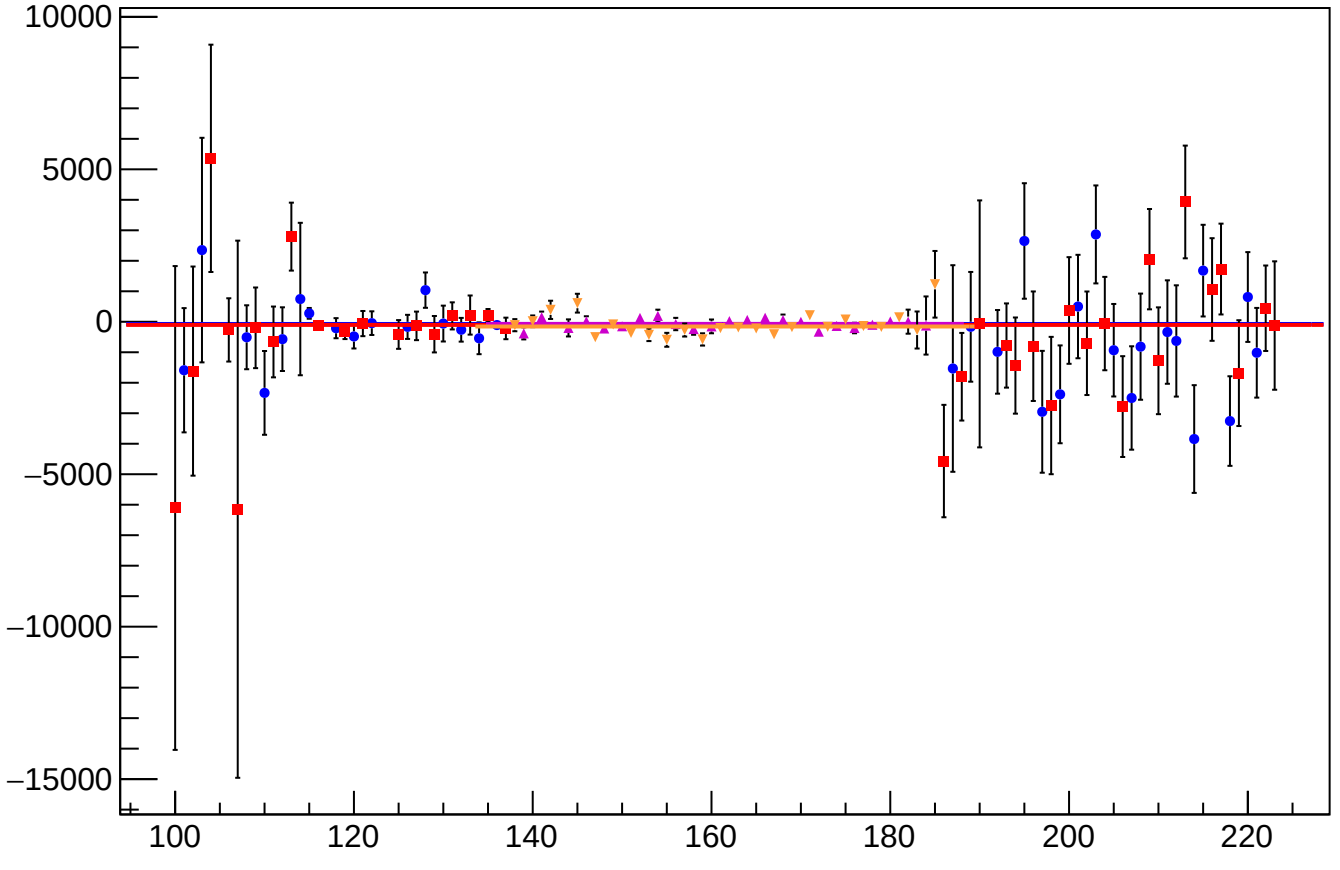
Right Out: 2227.131+/-0.334 χ^2/NDF: 223654.7/36

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2196.351+/-0.244 χ^2/NDF: 554683.2/57

All: 2201.286+/-0.173 χ^2/NDF: 789486.1/117

- sign 2206.238+/-0.245 χ^2/NDF: 233985.9/59



Right In: -72.763+/-89.950 χ^2/NDF: 38.5/33

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

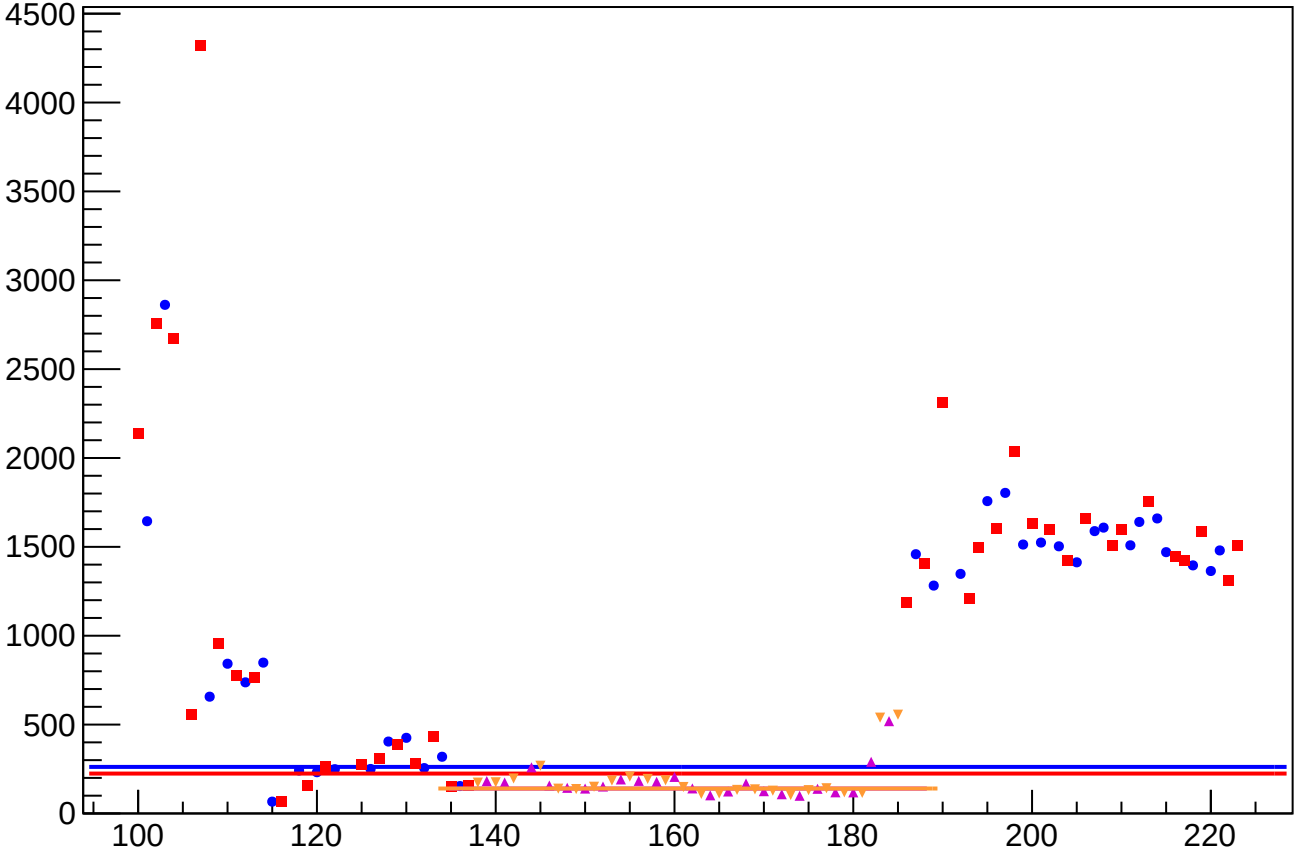
Right Out: -102.707+/-84.057 χ^2/NDF: 37.5/36

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

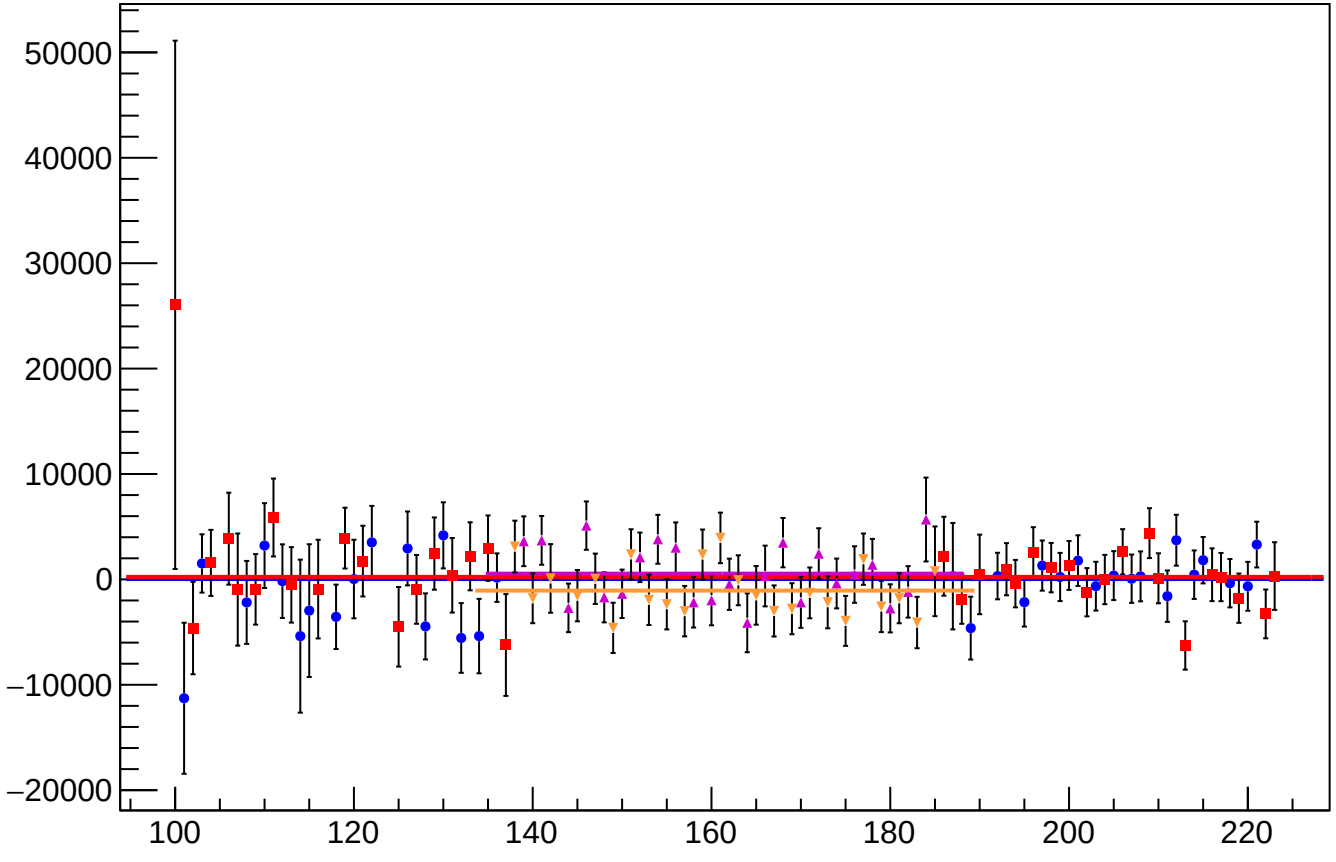
+ sign -144.447+/-31.853 χ^2/NDF: 86.6/57

All: -109.419+/-22.463 χ^2/NDF: 145.5/117

- sign -74.768+/-31.682 χ^2/NDF: 56.5/59


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 261.892+/-0.064 χ²/NDF: 26844226.1/33
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 224.388+/-0.059 χ²/NDF: 30010482.6/36
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 155.564+/-0.023 χ²/NDF: 32799778.8/57
All: 153.757+/-0.016 χ²/NDF: 66965805.4/11
- sign 151.970+/-0.022 χ²/NDF: 34153223.1/59

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 32.965+/-473.512 χ^2/NDF: 26.7/33

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 238.325+/-471.837 χ^2/NDF: 31.0/36

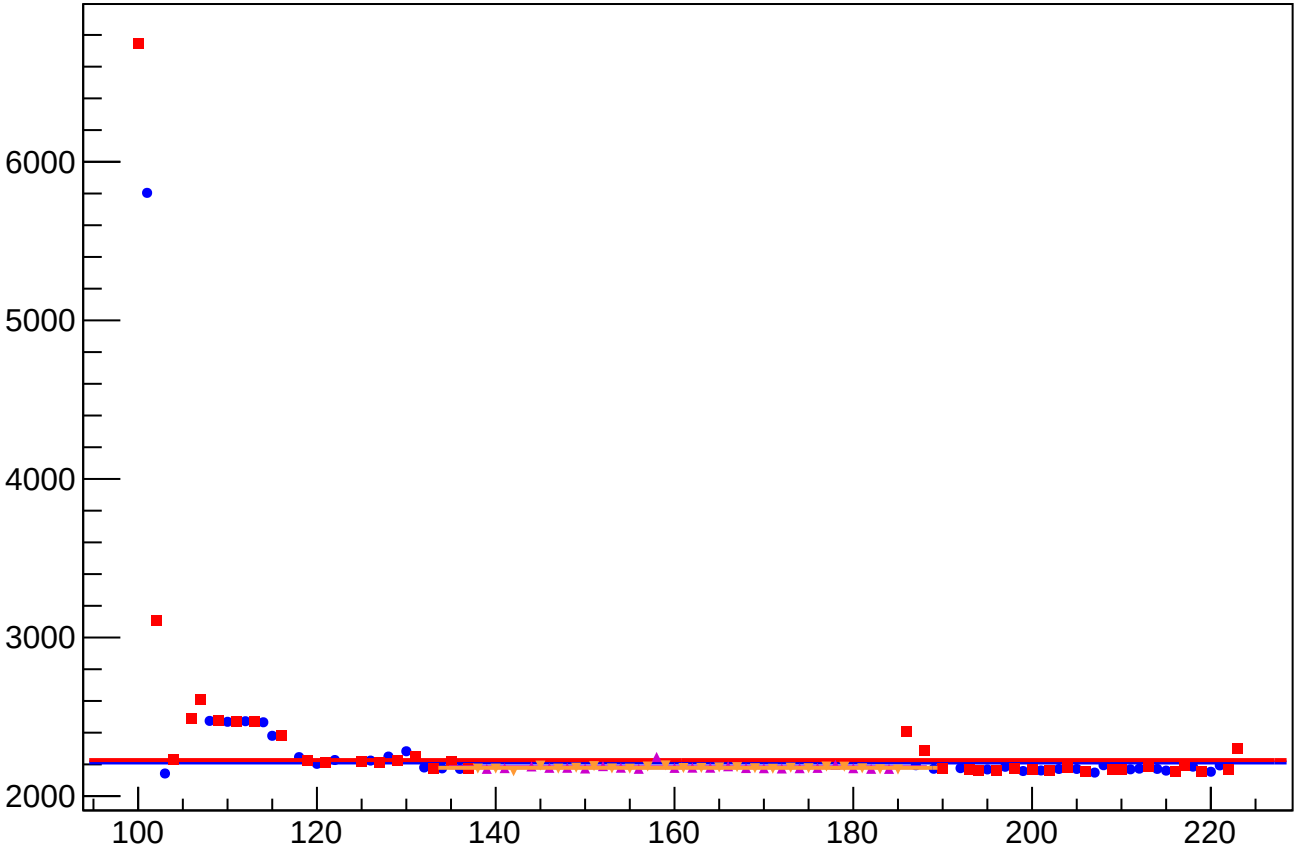
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

\+ sign -478.817+/-345.620 χ^2/NDF: 51.1/57

All: -50.295+/-244.584 χ^2/NDF: 113.3/117

\- sign 379.588+/-346.168 χ^2/NDF: 59.1/59

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2212.003+/-0.335 χ^2/NDF: 549549.9/33

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

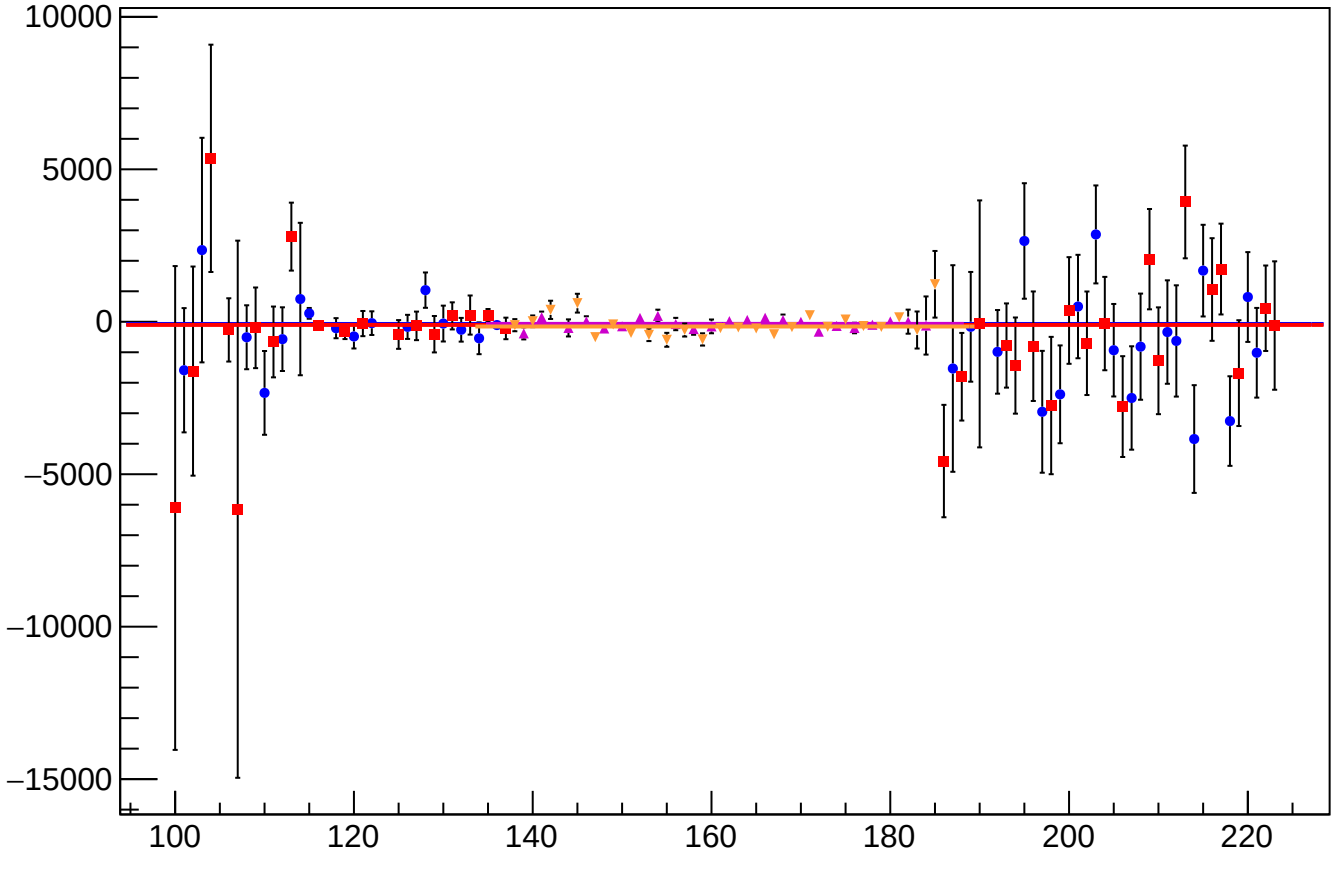
Right Out: 2227.131+/-0.334 χ^2/NDF: 223654.6/36

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2196.351+/-0.244 χ^2/NDF: 554683.2/57

All: 2201.286+/-0.173 χ^2/NDF: 789486.0/117

- sign 2206.238+/-0.245 χ^2/NDF: 233985.7/59



Right In: -72.760+/-89.949 χ^2/NDF: 38.5/33

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

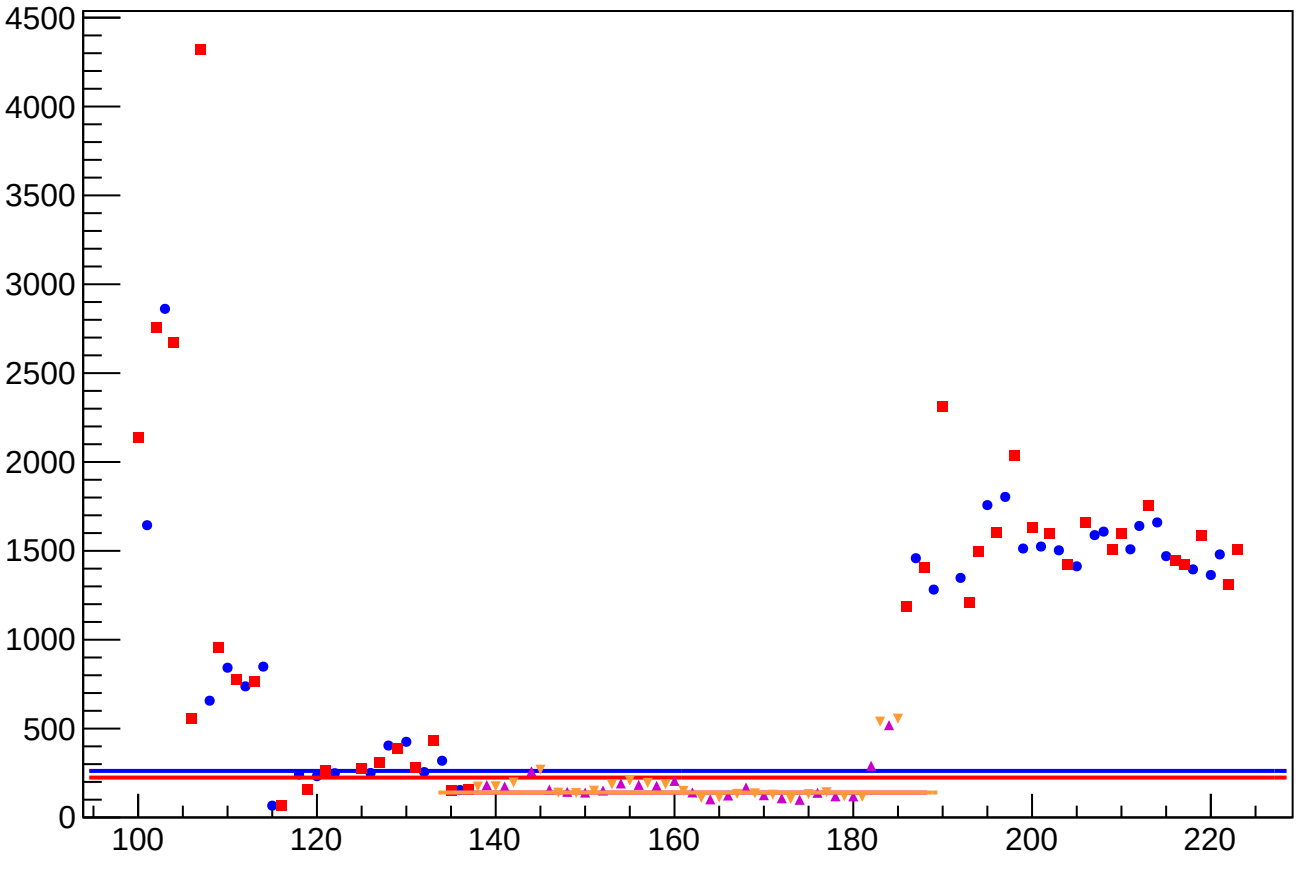
Right Out: -102.708+/-84.056 χ^2/NDF: 37.5/36

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -144.447+/-31.854 χ^2/NDF: 86.6/57

All: -109.419+/-22.463 χ^2/NDF: 145.5/117

- sign -74.767+/-31.682 χ^2/NDF: 56.5/59



Right In: 261.888+/-0.064 χ^2/NDF: 26844375.6/33

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 224.384+/-0.059 χ^2/NDF: 30010649.1/36

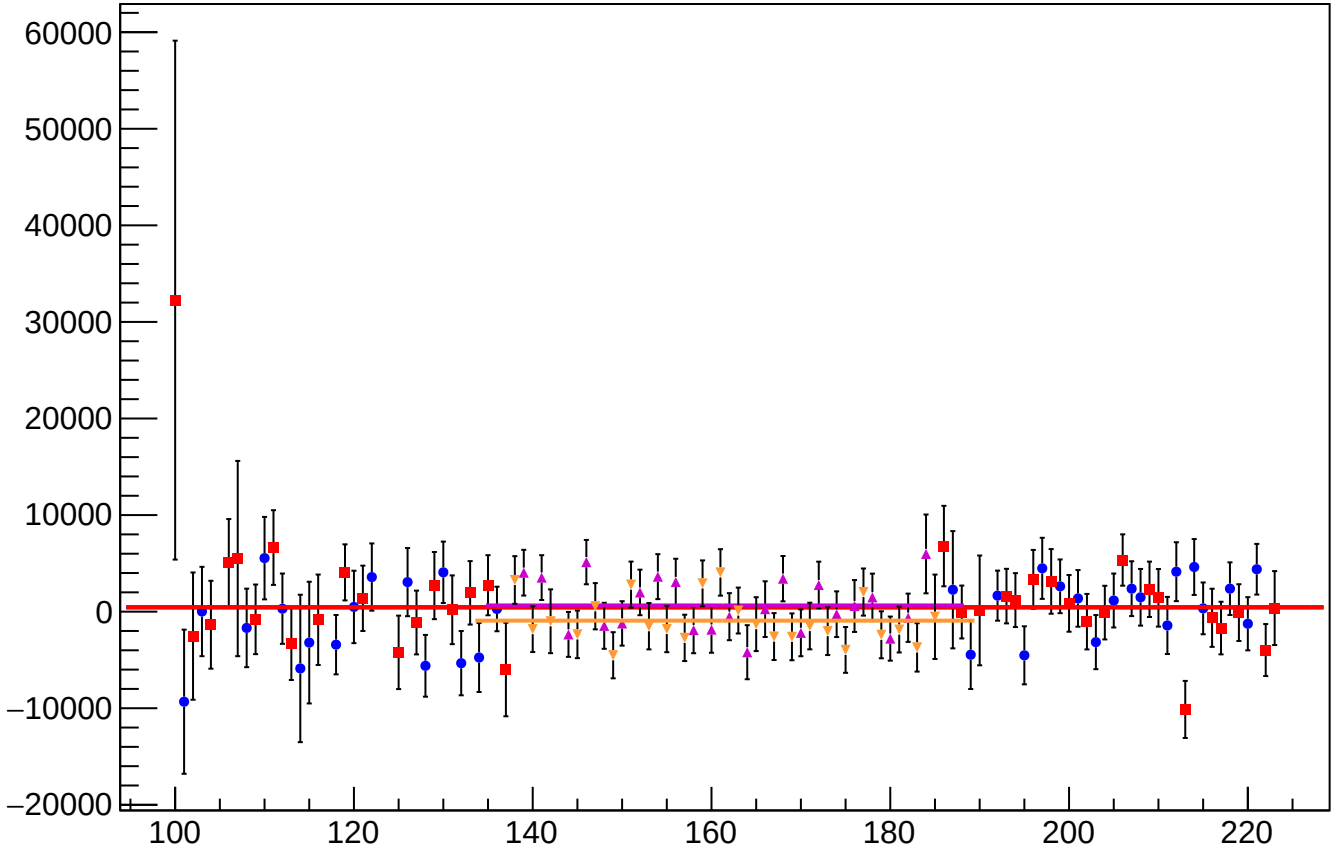
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 155.565+/-0.023 χ^2/NDF: 32799767.9/57

All: 153.757+/-0.016 χ^2/NDF: 66965897.3/11

- sign 151.970+/-0.022 χ^2/NDF: 34153323.8/59

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 434.781+/-551.275 χ^2/NDF: 34.1/33

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 471.483+/-554.107 χ^2/NDF: 37.8/36

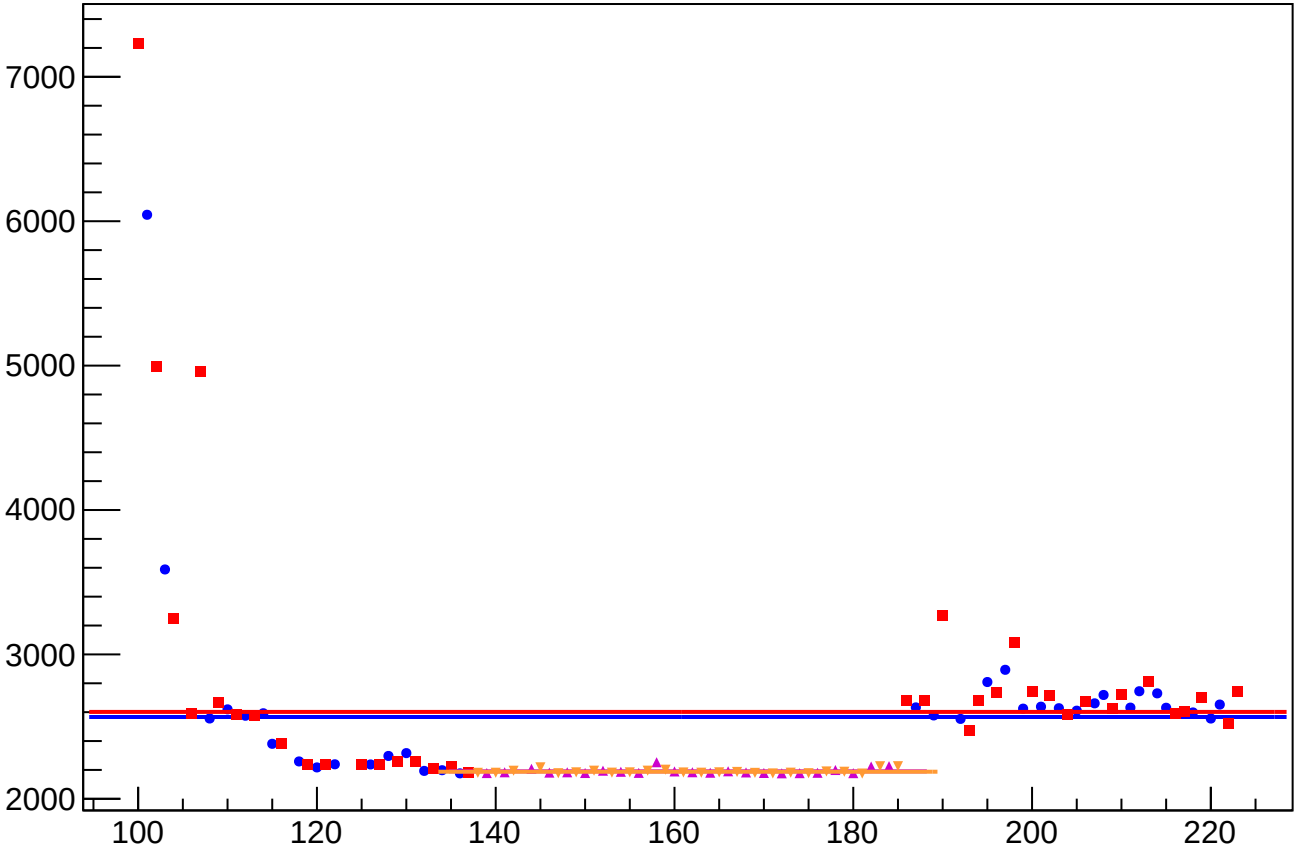
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -304.734+/-373.461 χ^2/NDF: 59.8/57

All: 126.920+/-264.898 χ^2/NDF: 127.4/117

- sign 563.987+/-375.796 χ^2/NDF: 64.9/59

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2566.584+/-0.390 χ^2/NDF: 800525.7/33

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

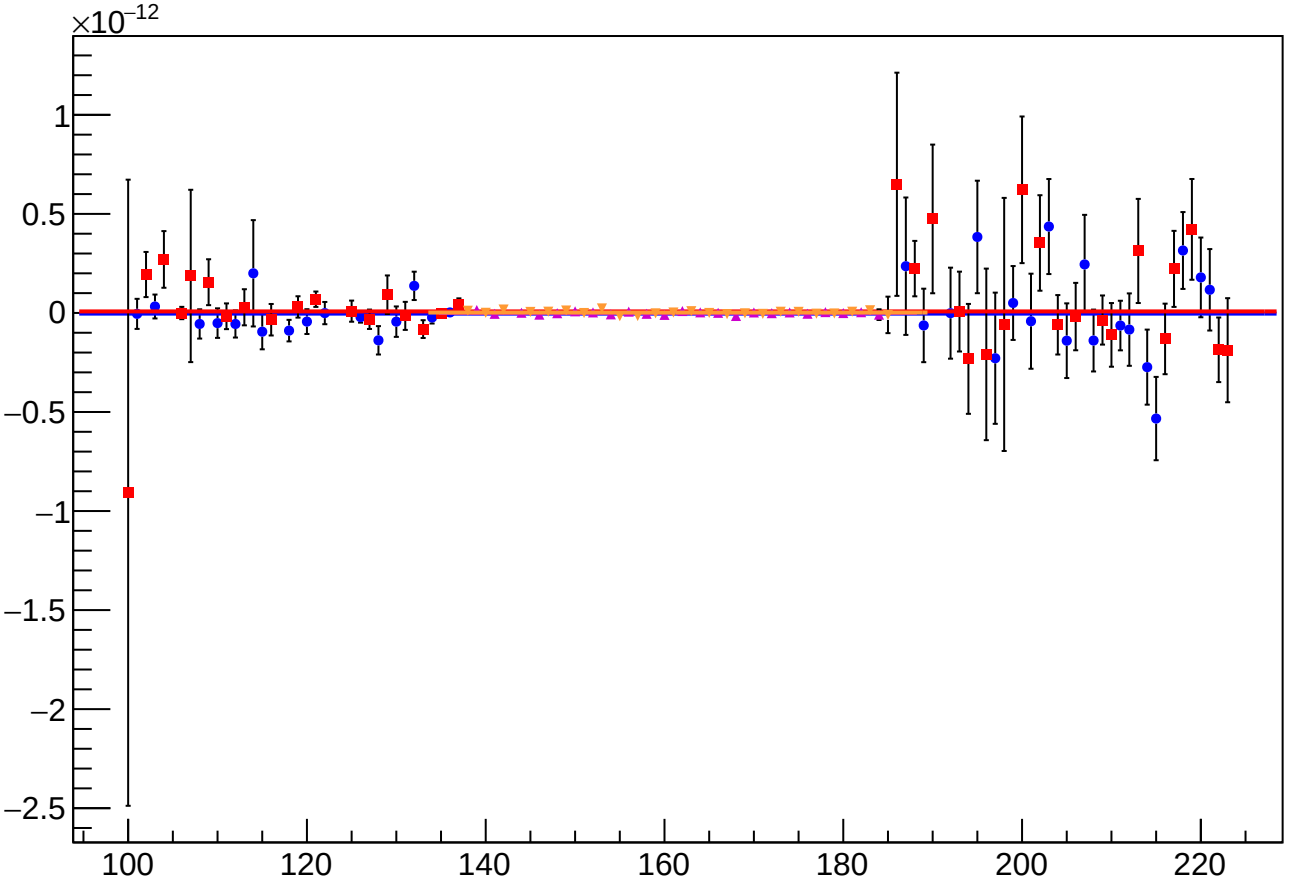
Right Out: 2601.777+/-0.392 χ^2/NDF: 796614.2/36

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2361.541+/-0.264 χ^2/NDF: 1313239.7/57

All: 2370.458+/-0.187 χ^2/NDF: 2710700.9/11

- sign 2379.488+/-0.266 χ^2/NDF: 1395166.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 36.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

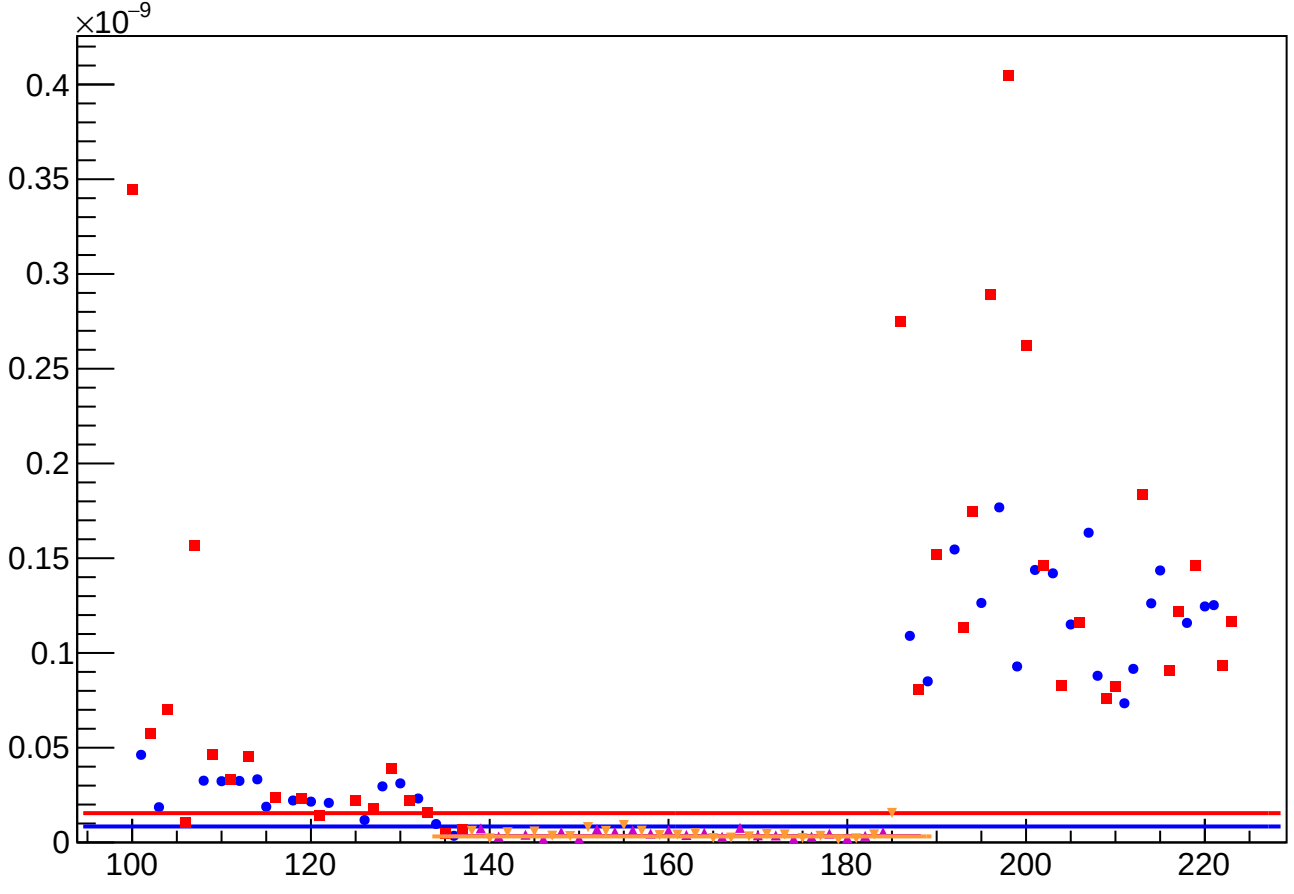
Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/36

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/57

All: 0.000+/-0.000 χ^2/NDF: 109.9/117

- sign 0.000+/-0.000 χ^2/NDF: 52.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 13276778.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

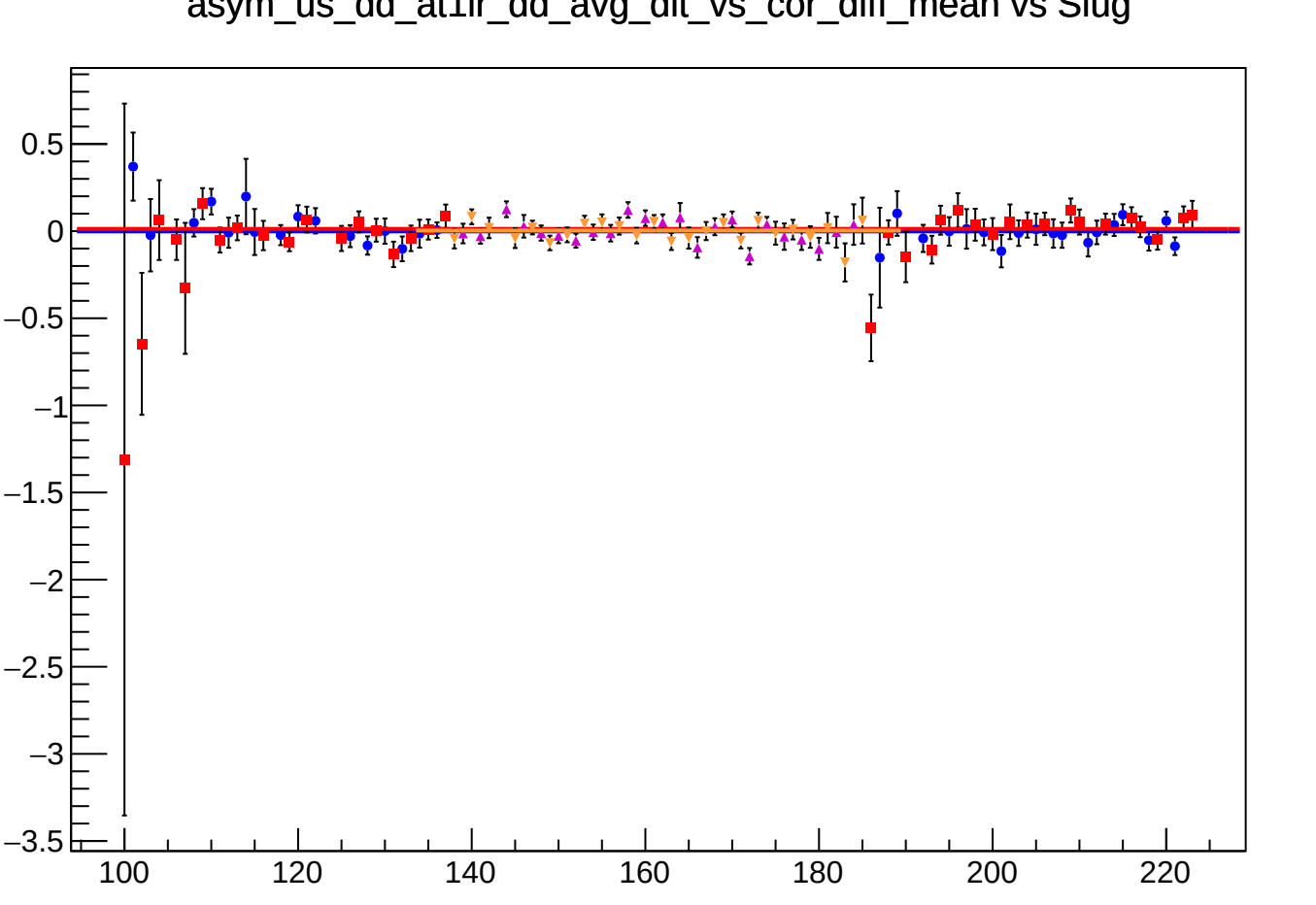
Right Out: 0.000+/-0.000 χ^2/NDF: 13319983.6/36

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16680497.0/57

All: 0.000+/-0.000 χ^2/NDF: 34833876.0/117

- sign 0.000+/-0.000 χ^2/NDF: 18122508.9/59



Right In: -0.002+/-0.013 χ^2/NDF: 28.6/33

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

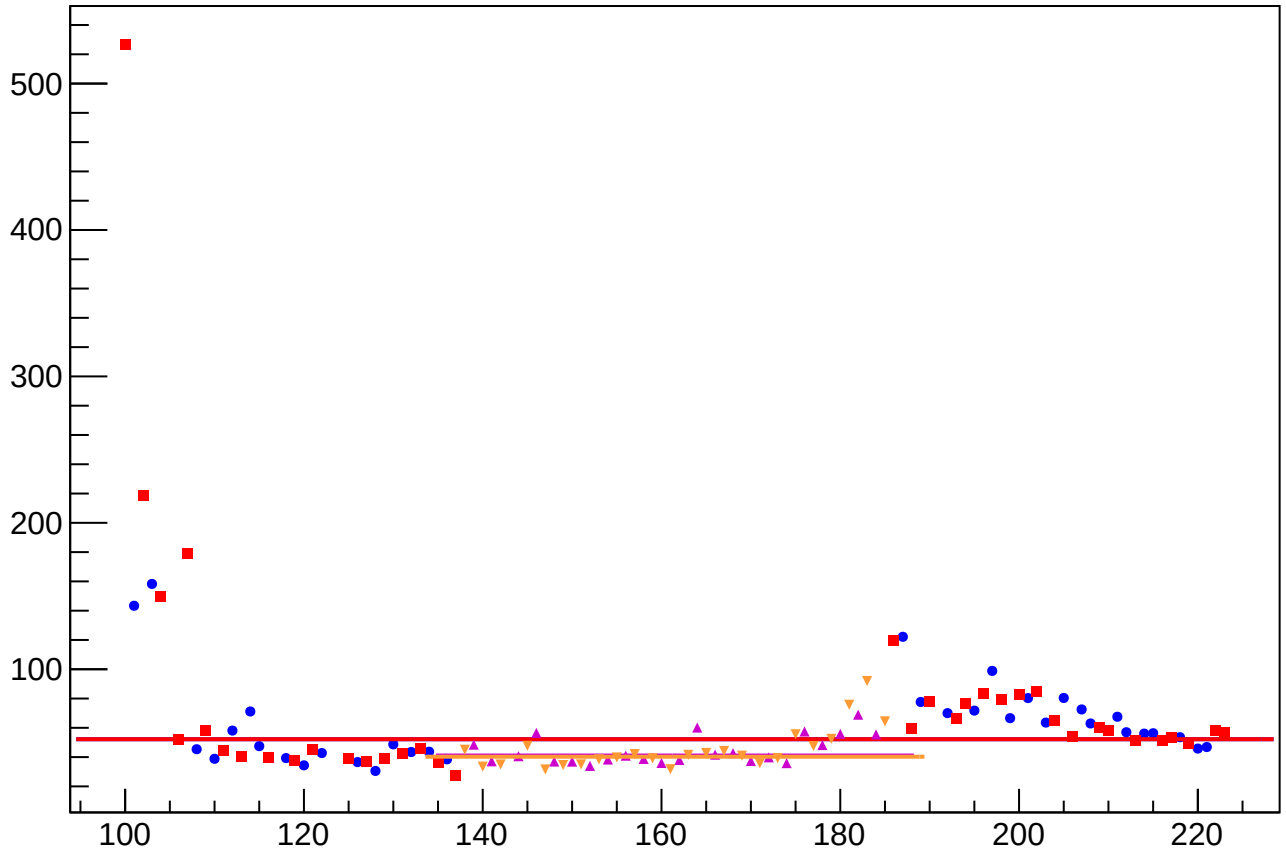
Right Out: 0.013+/-0.013 χ^2/NDF: 38.3/36

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 50.6/57

All: 0.005+/-0.006 χ^2/NDF: 130.9/117

- sign 0.008+/-0.008 χ^2/NDF: 80.0/59



Right In: 52.202+/-0.009 χ^2/NDF: 3641085.6/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

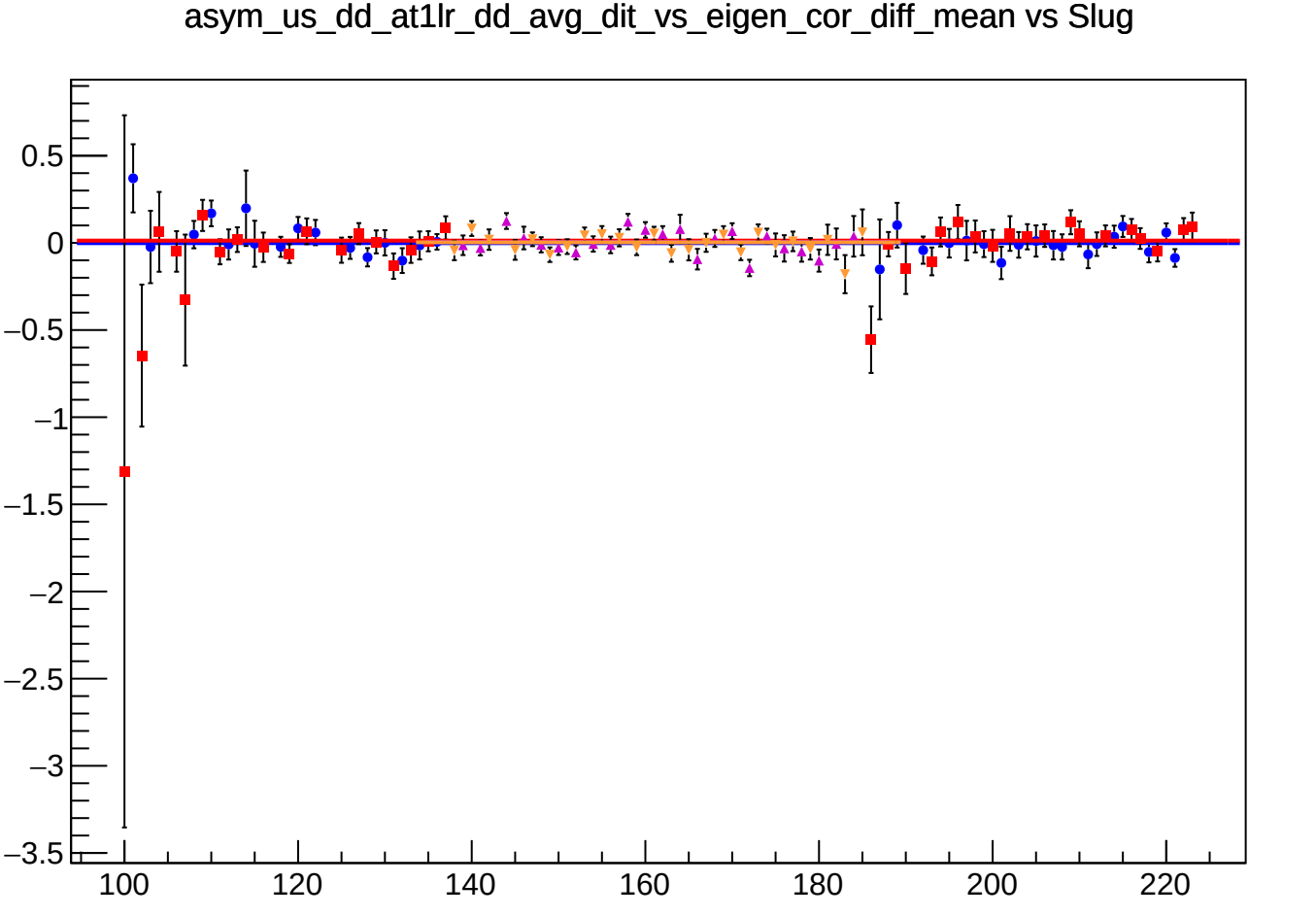
Right Out: 52.229+/-0.009 χ^2/NDF: 3603313.3/36

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 45.111+/-0.006 χ^2/NDF: 6202258.0/57

All: 45.377+/-0.004 χ^2/NDF: 11650197.0/117

- sign 45.652+/-0.006 χ^2/NDF: 5443420.6/59



Right In: -0.002+/-0.013 χ^2/NDF: 28.6/33

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

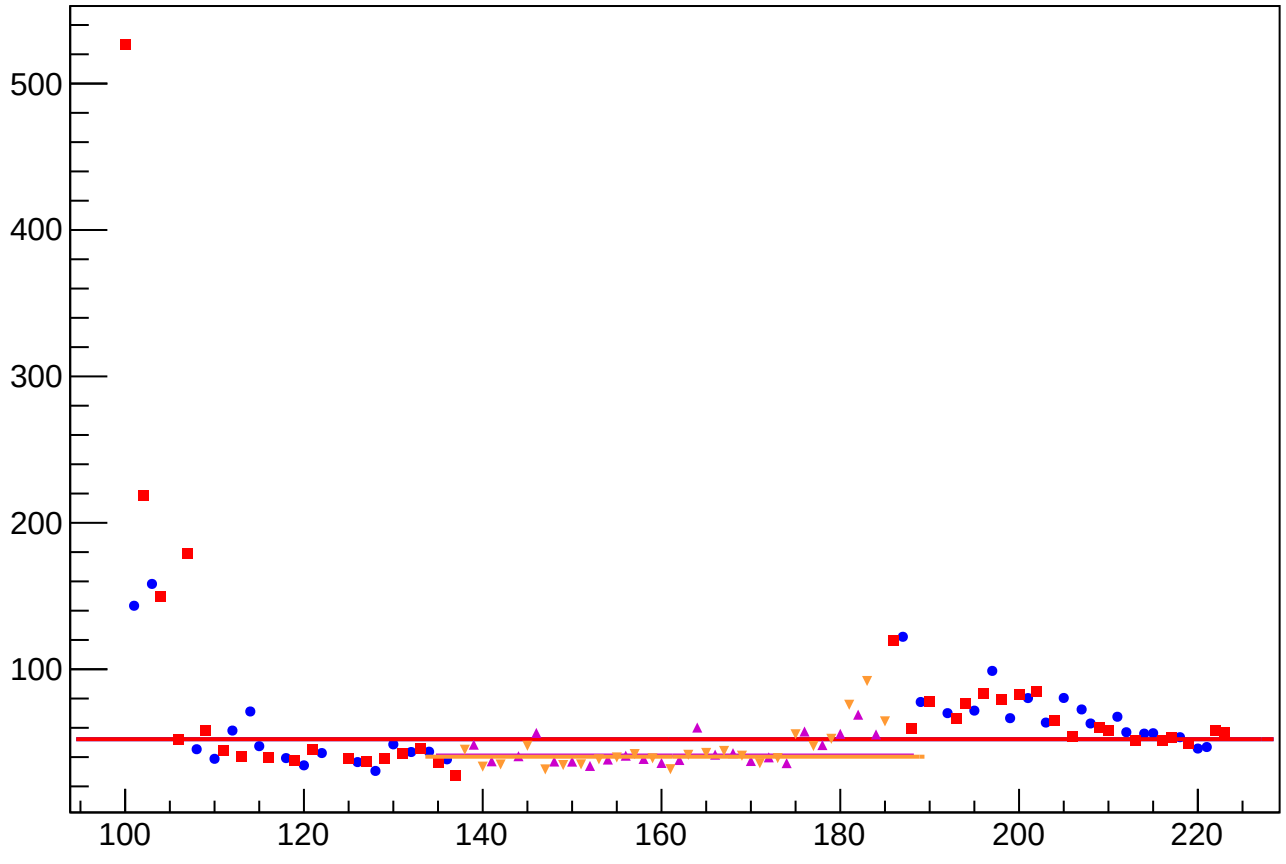
Right Out: 0.013+/-0.013 χ^2/NDF: 38.3/36

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 50.6/57

All: 0.005+/-0.006 χ^2/NDF: 130.9/117

- sign 0.008+/-0.008 χ^2/NDF: 80.0/59



Right In: 52.202+/-0.009 χ^2/NDF: 3641085.6/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

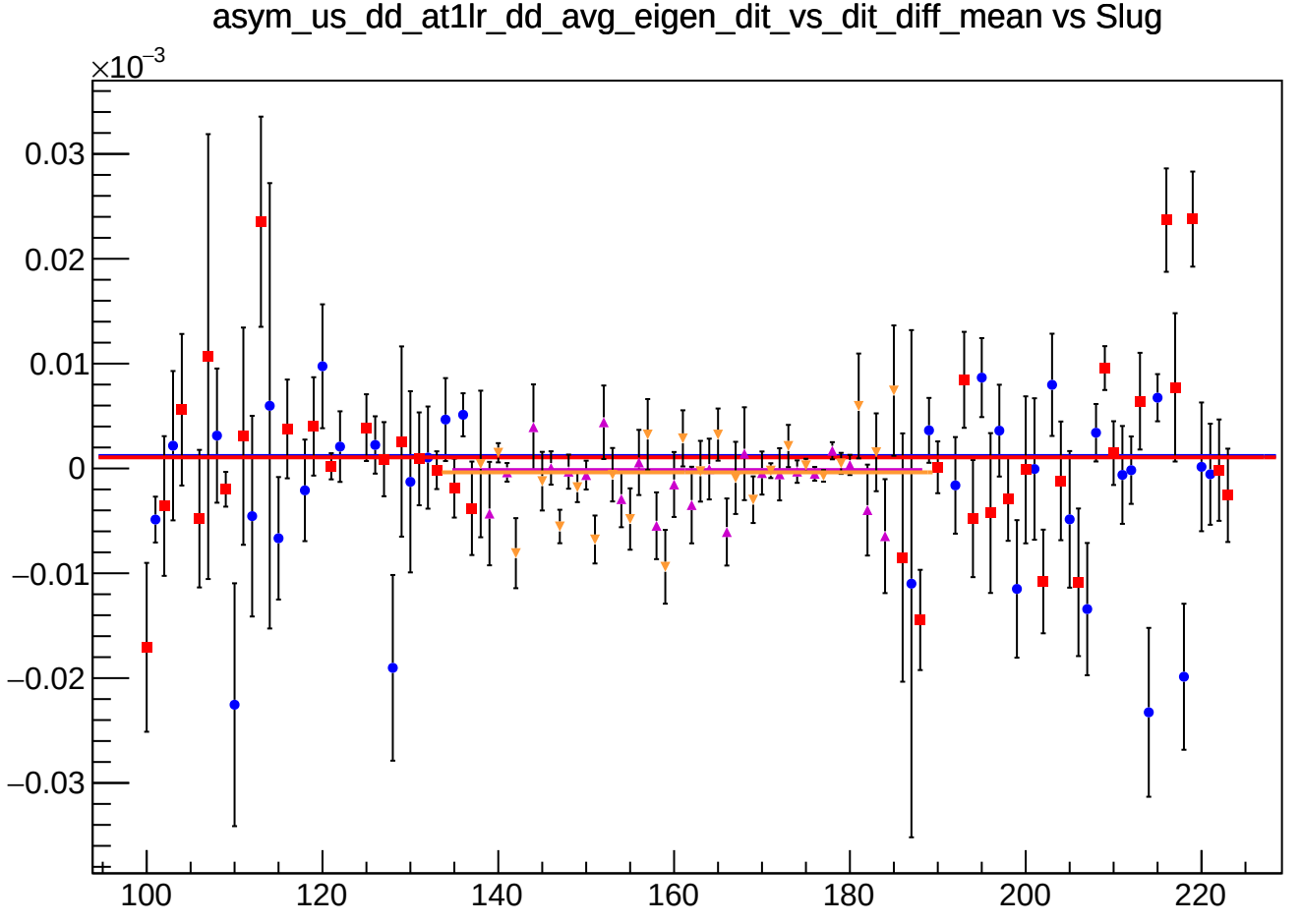
Right Out: 52.229+/-0.009 χ^2/NDF: 3603313.3/36

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 45.111+/-0.006 χ^2/NDF: 6202258.0/57

All: 45.377+/-0.004 χ^2/NDF: 11650197.0/117

- sign 45.652+/-0.006 χ^2/NDF: 5443420.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 69.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

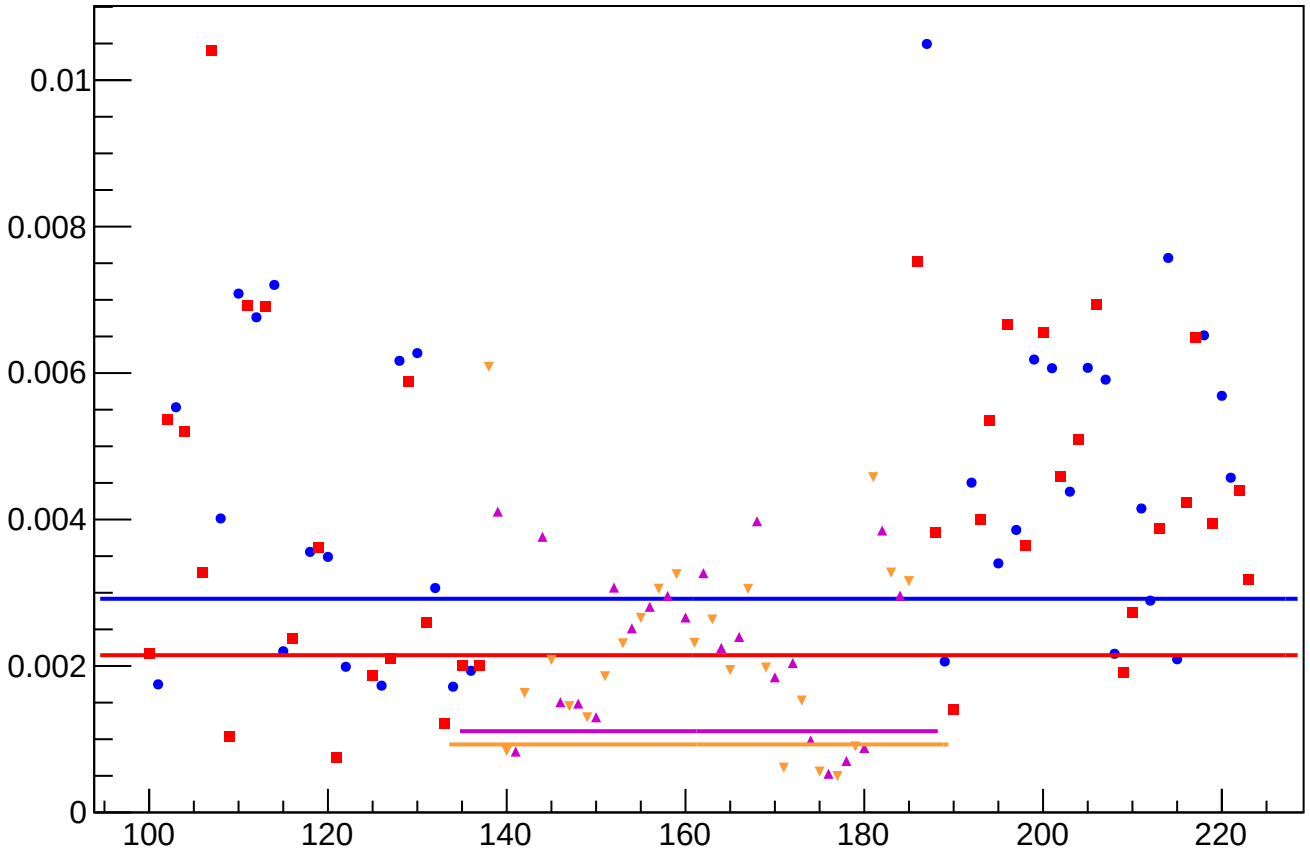
Right Out: 0.000+/-0.000 χ^2/NDF: 111.2/36

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 125.1/57

All: -0.000+/-0.000 χ^2/NDF: 260.1/117

- sign 0.000+/-0.000 χ^2/NDF: 134.4/59



Right In: 0.003+/-0.000 χ^2/NDF: 8536054.6/33

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

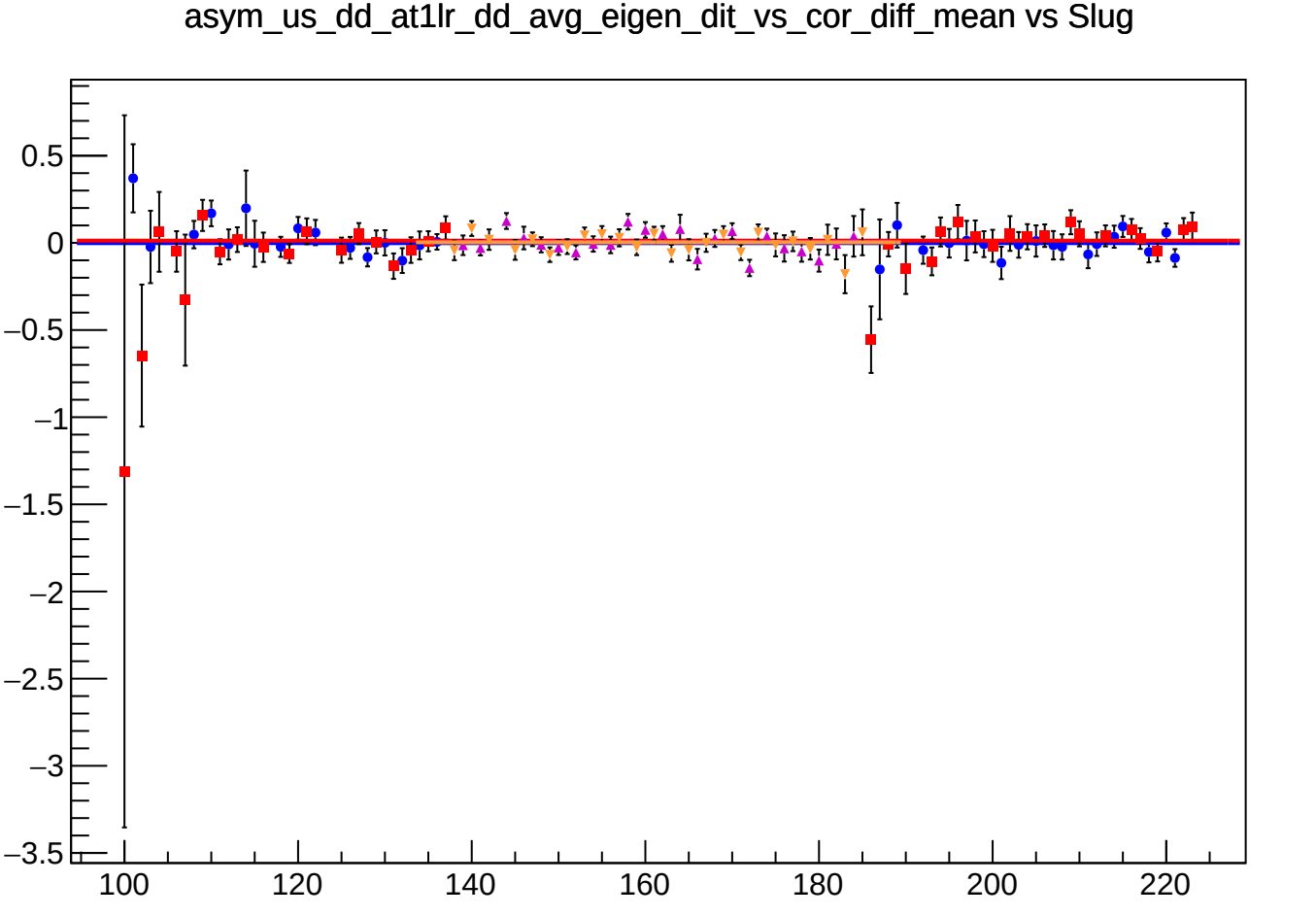
Right Out: 0.002+/-0.000 χ^2/NDF: 14468587.7/36

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 34543071.0/57

All: 0.001+/-0.000 χ^2/NDF: 65246729.4/117

- sign 0.001+/-0.000 χ^2/NDF: 30343219.1/59



Right In: -0.002+/-0.013 χ^2/NDF: 28.6/33

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

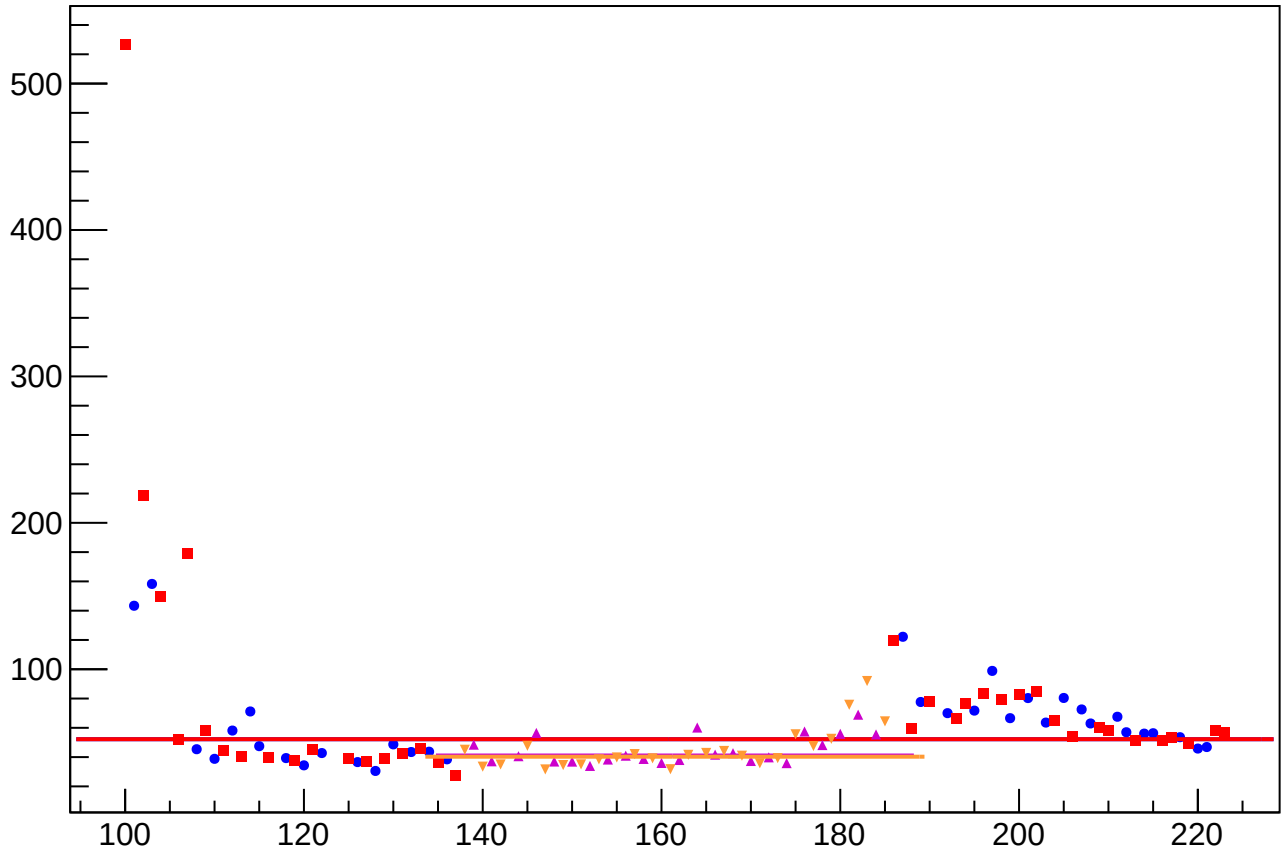
Right Out: 0.013+/-0.013 χ^2/NDF: 38.3/36

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 50.6/57

All: 0.005+/-0.006 χ^2/NDF: 130.9/117

- sign 0.008+/-0.008 χ^2/NDF: 80.0/59



Right In: 52.200+/-0.009 χ^2/NDF: 3641704.4/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

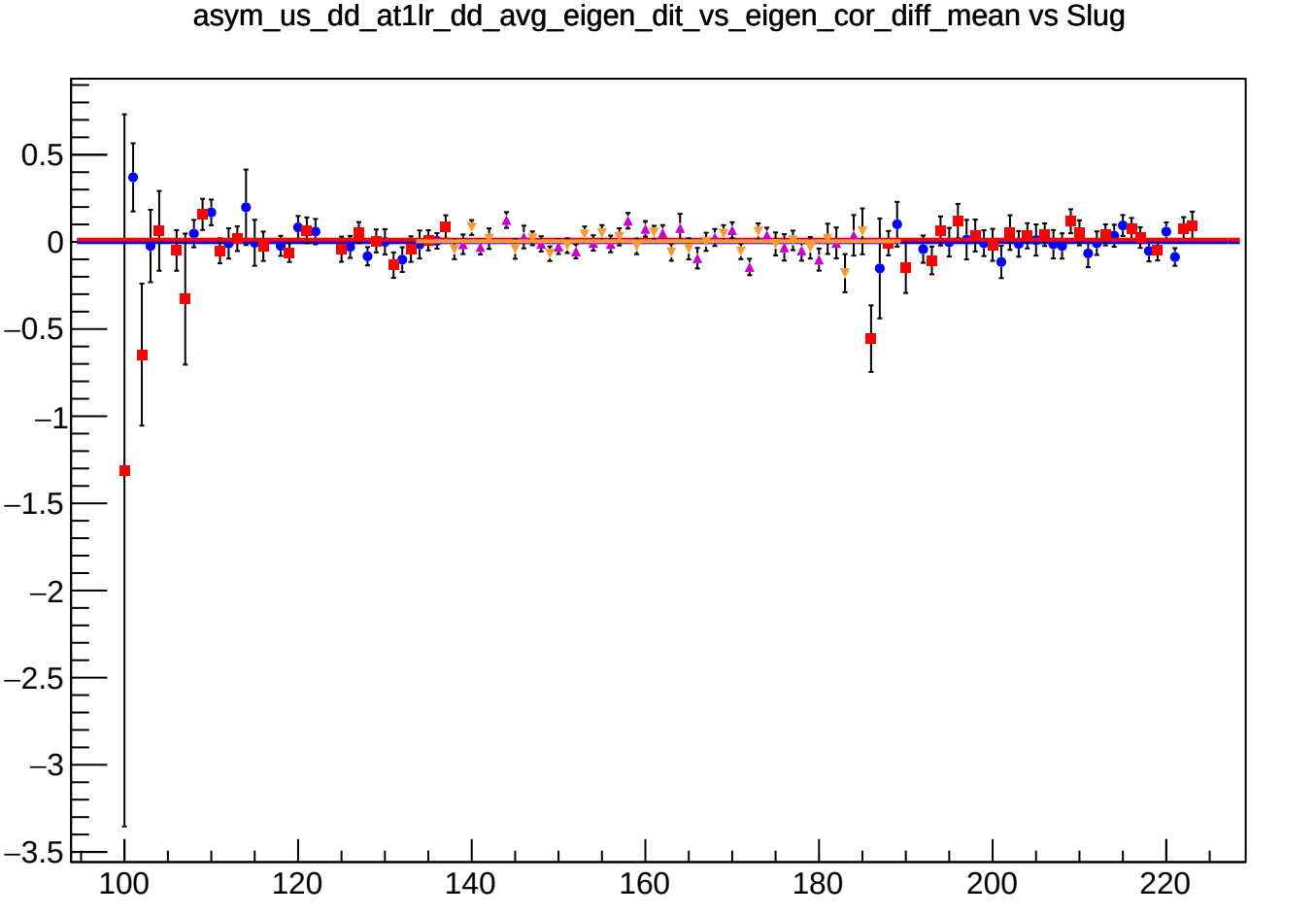
Right Out: 52.230+/-0.009 χ^2/NDF: 3603277.4/36

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 45.110+/-0.006 χ^2/NDF: 6202594.9/57

All: 45.377+/-0.004 χ^2/NDF: 11650621.9/117

- sign 45.652+/-0.006 χ^2/NDF: 5443498.4/59



Right In: -0.002+/-0.013 χ^2/NDF: 28.6/33

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

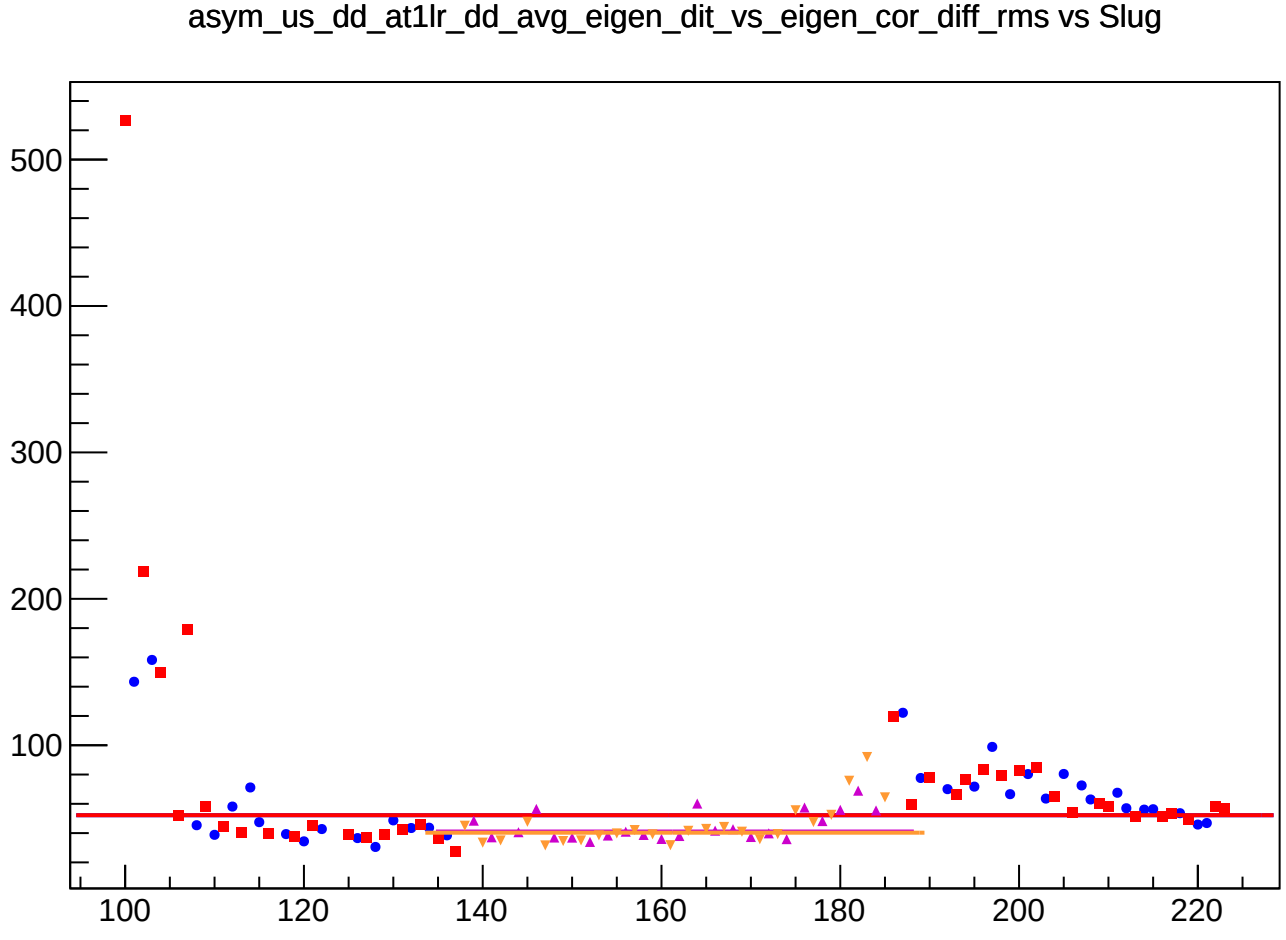
Right Out: 0.013+/-0.013 χ^2/NDF: 38.3/36

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 50.6/57

All: 0.005+/-0.006 χ^2/NDF: 130.9/117

- sign 0.008+/-0.008 χ^2/NDF: 80.0/59



Right In: 52.200+/-0.009 χ^2/NDF: 3641704.4/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

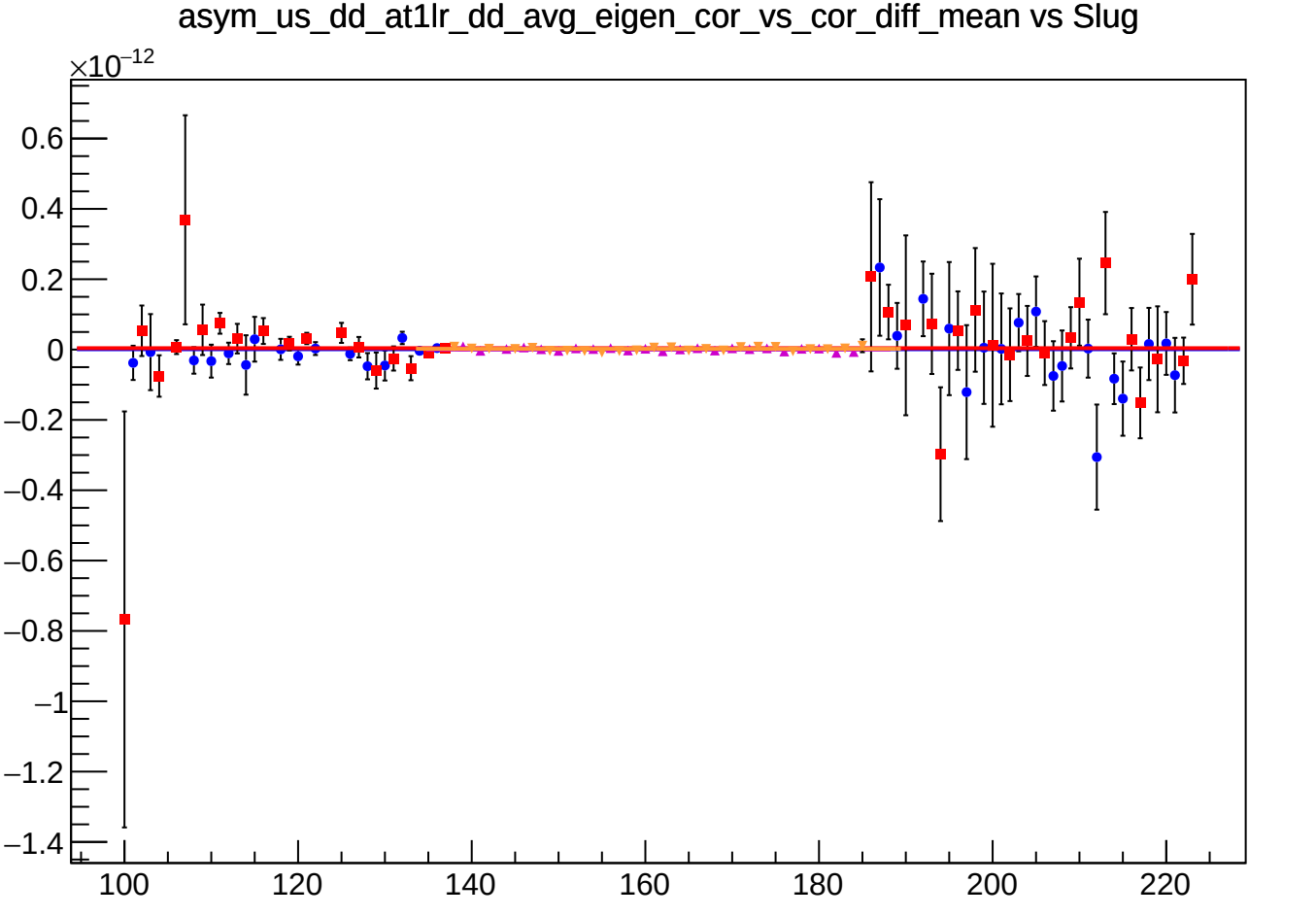
Right Out: 52.230+/-0.009 χ^2/NDF: 3603277.4/36

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 45.110+/-0.006 χ^2/NDF: 6202594.9/57

All: 45.377+/-0.004 χ^2/NDF: 11650621.9/117

- sign 45.652+/-0.006 χ^2/NDF: 5443498.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

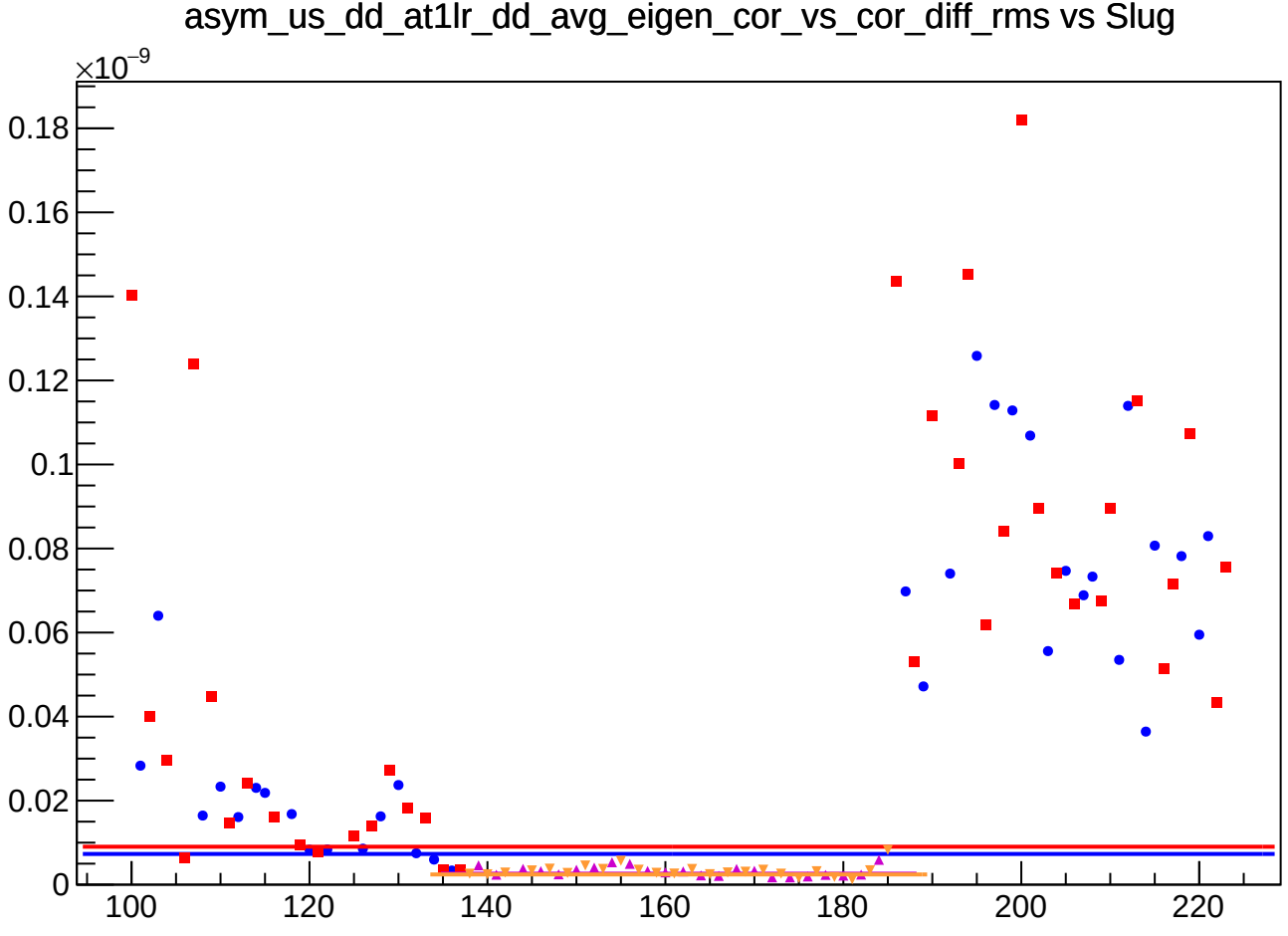
Right Out: 0.000+/-0.000 χ^2/NDF: 43.8/36

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.4/57

All: 0.000+/-0.000 χ^2/NDF: 119.7/117

- sign 0.000+/-0.000 χ^2/NDF: 67.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 16865988.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17804599.4/36

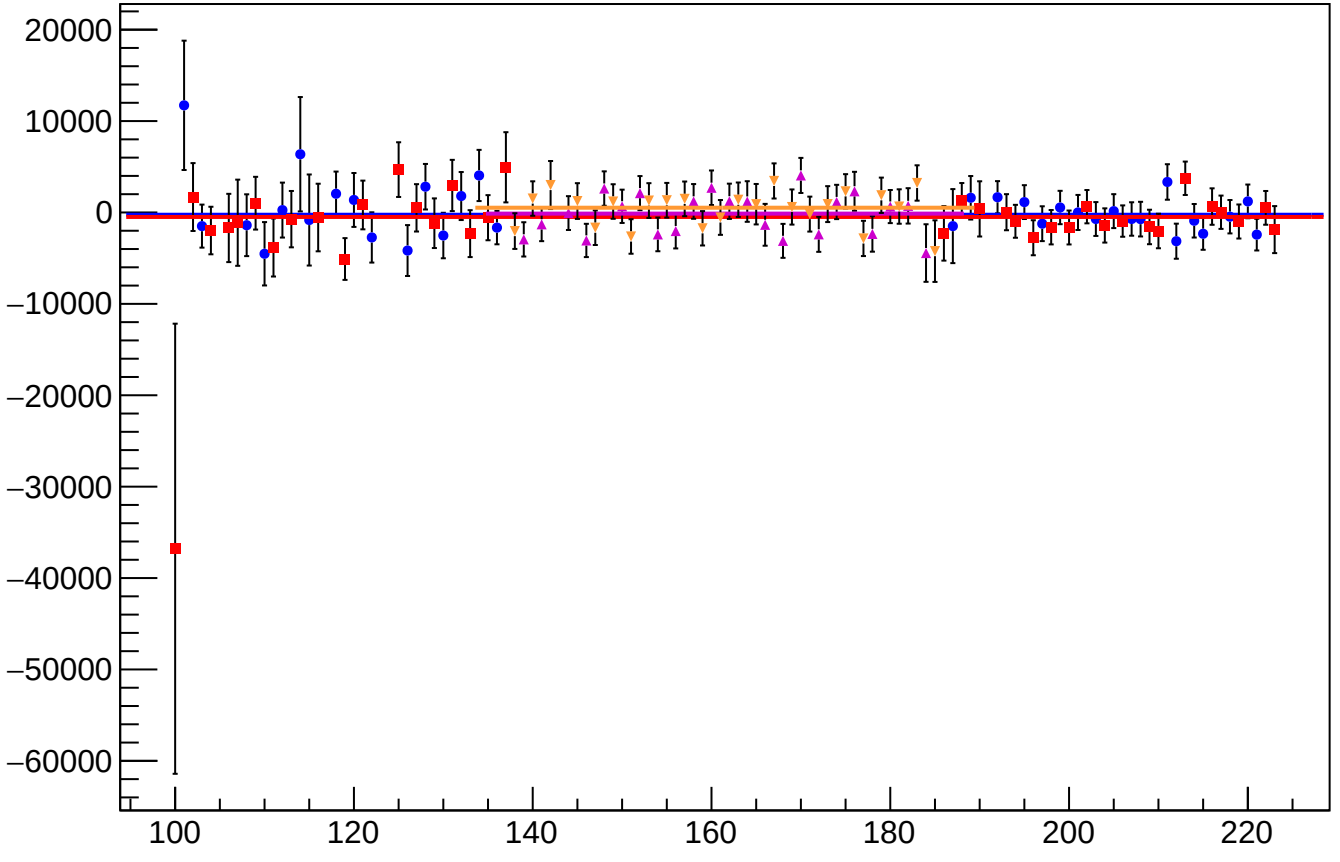
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 22701964.8/57

All: 0.000+/-0.000 χ^2/NDF: 46168156.1/117

- sign 0.000+/-0.000 χ^2/NDF: 23410368.7/59

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -249.294+/-379.817 χ^2/NDF: 28.4/33

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -490.608+/-378.869 χ^2/NDF: 27.7/36

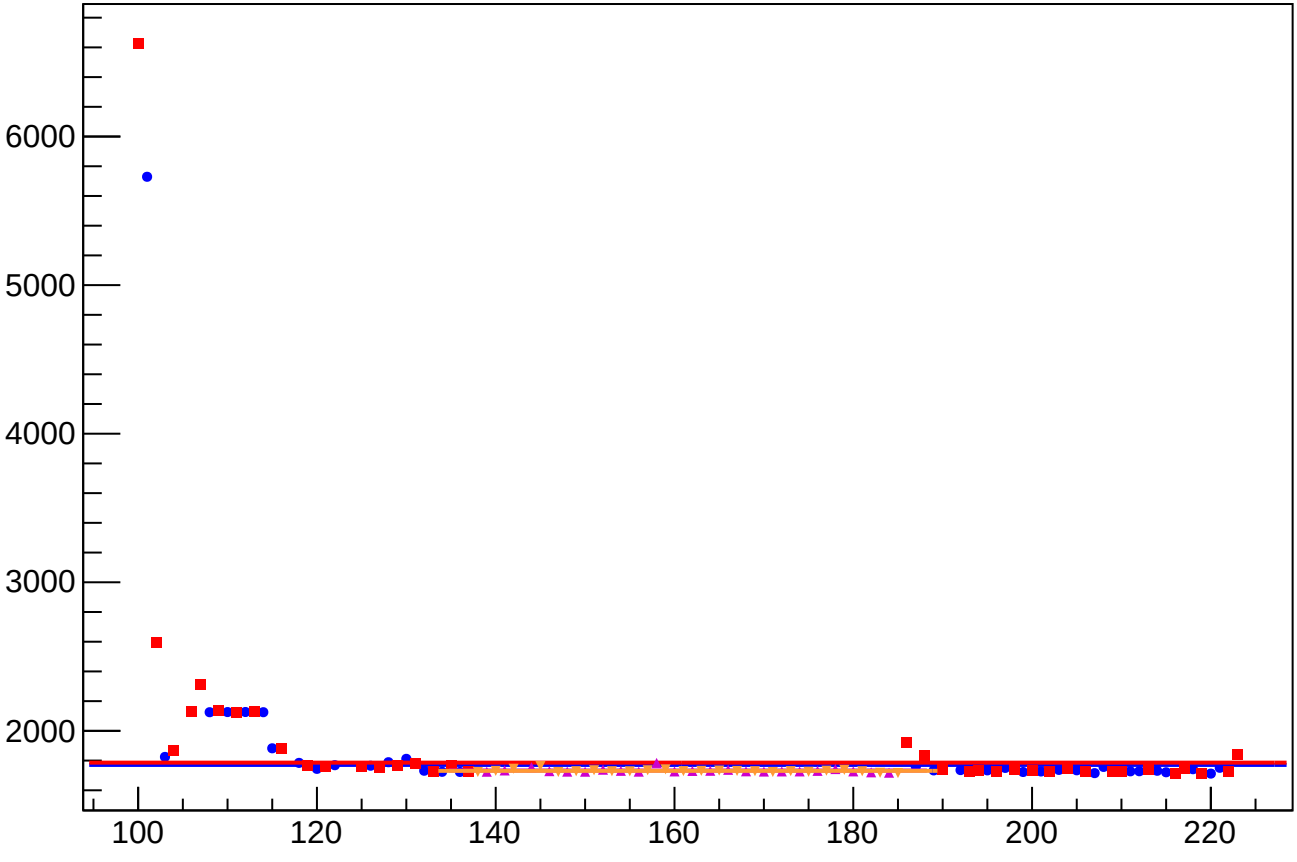
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 113.791+/-275.985 χ^2/NDF: 51.1/57

All: -102.800+/-195.354 χ^2/NDF: 109.9/117

- sign -320.293+/-276.560 χ^2/NDF: 57.6/59

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1770.789+/-0.269 χ^2/NDF: 724192.6/33

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

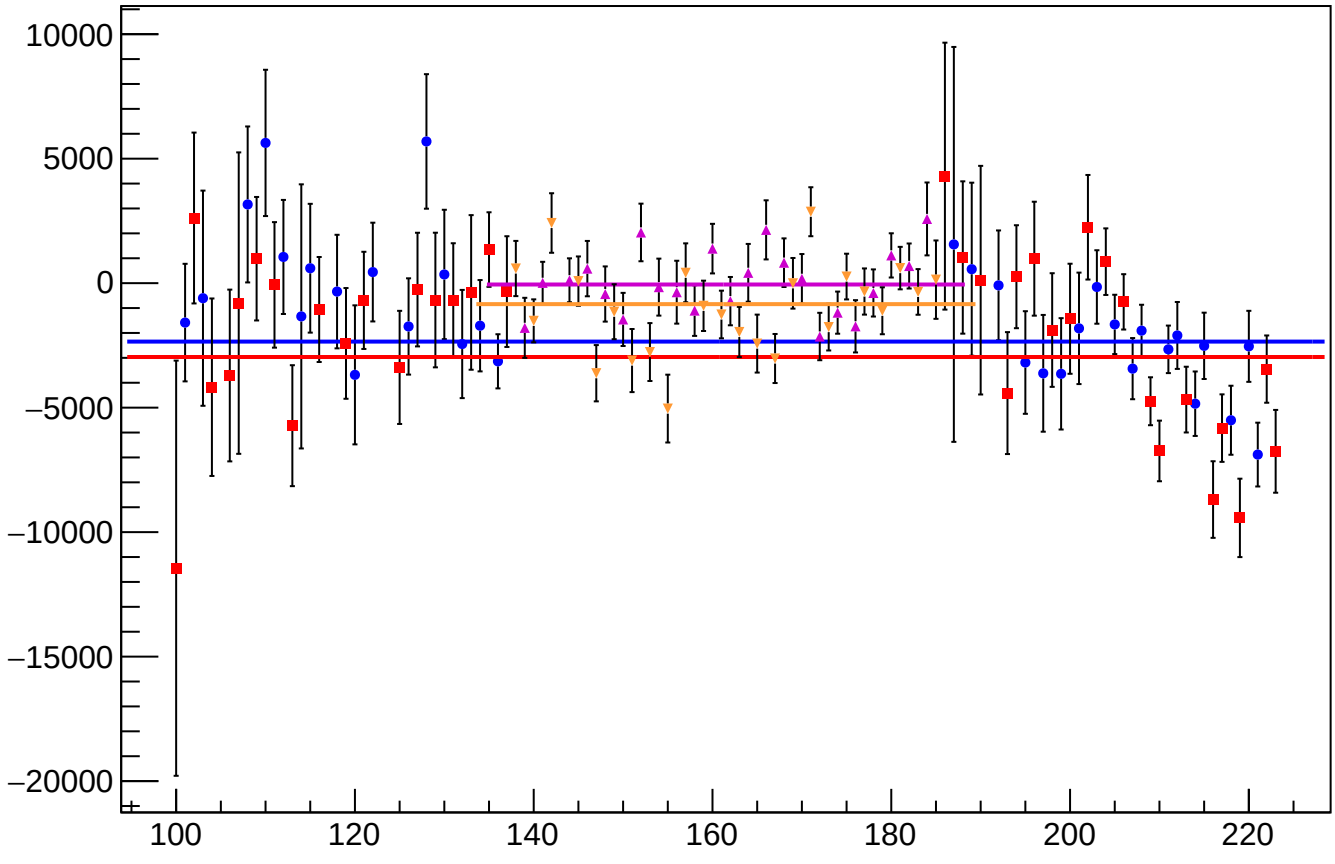
Right Out: 1786.138+/-0.268 χ^2/NDF: 330828.3/36

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.936+/-0.195 χ^2/NDF: 735602.1/57

All: 1756.617+/-0.138 χ^2/NDF: 1088195.2/11

- sign 1761.318+/-0.196 χ^2/NDF: 351439.8/59



Right In: -2346.851+/-293.443 χ^2/NDF: 55.9/33

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

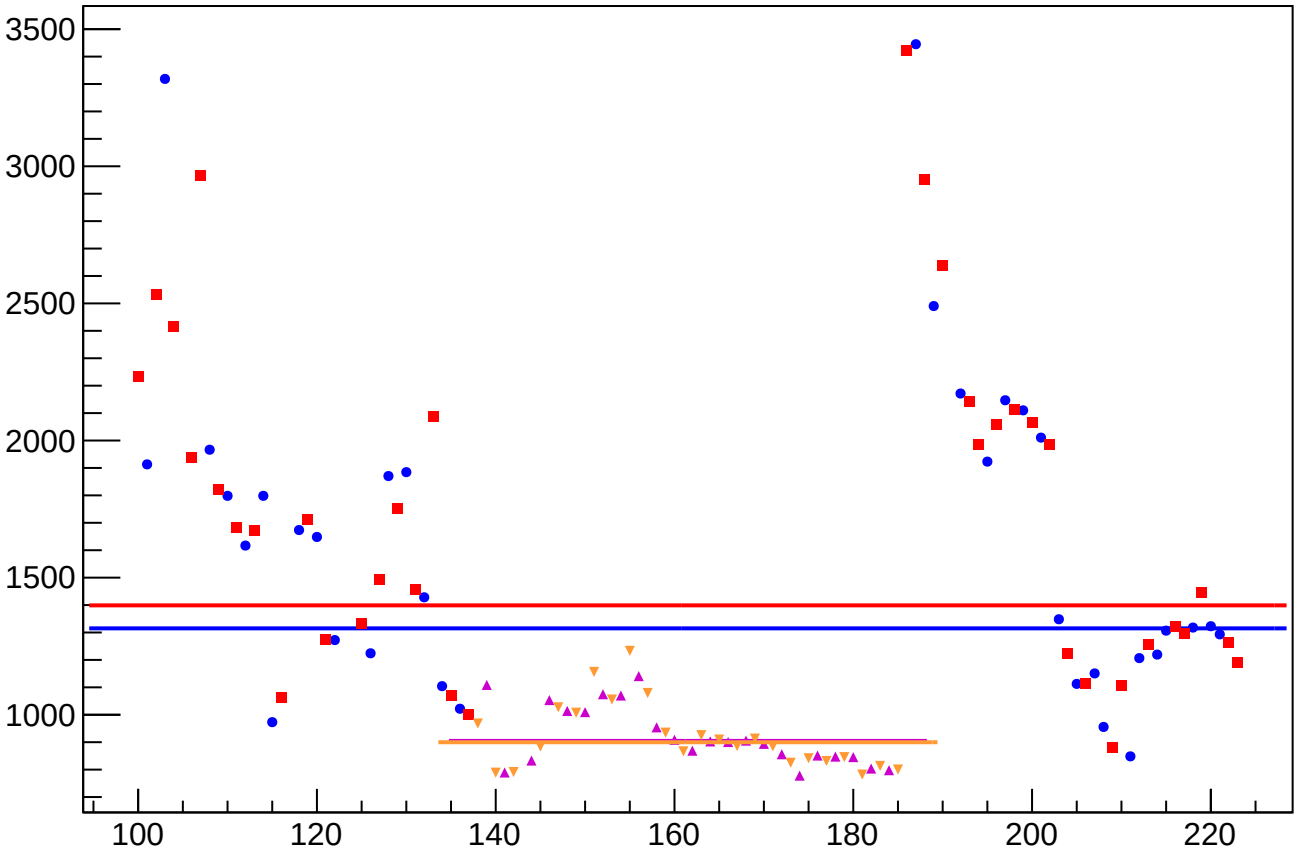
Right Out: -2966.118+/-311.391 χ^2/NDF: 108.8/36

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -1354.696+/-171.232 χ^2/NDF: 135.9/57

All: -1173.227+/-122.658 χ^2/NDF: 337.3/117

- sign -981.975+/-175.786 χ^2/NDF: 199.1/59



Right In: 1315.050+/-0.207 χ^2/NDF: 3608585.9/33

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1398.943+/-0.220 χ^2/NDF: 4034063.7/36

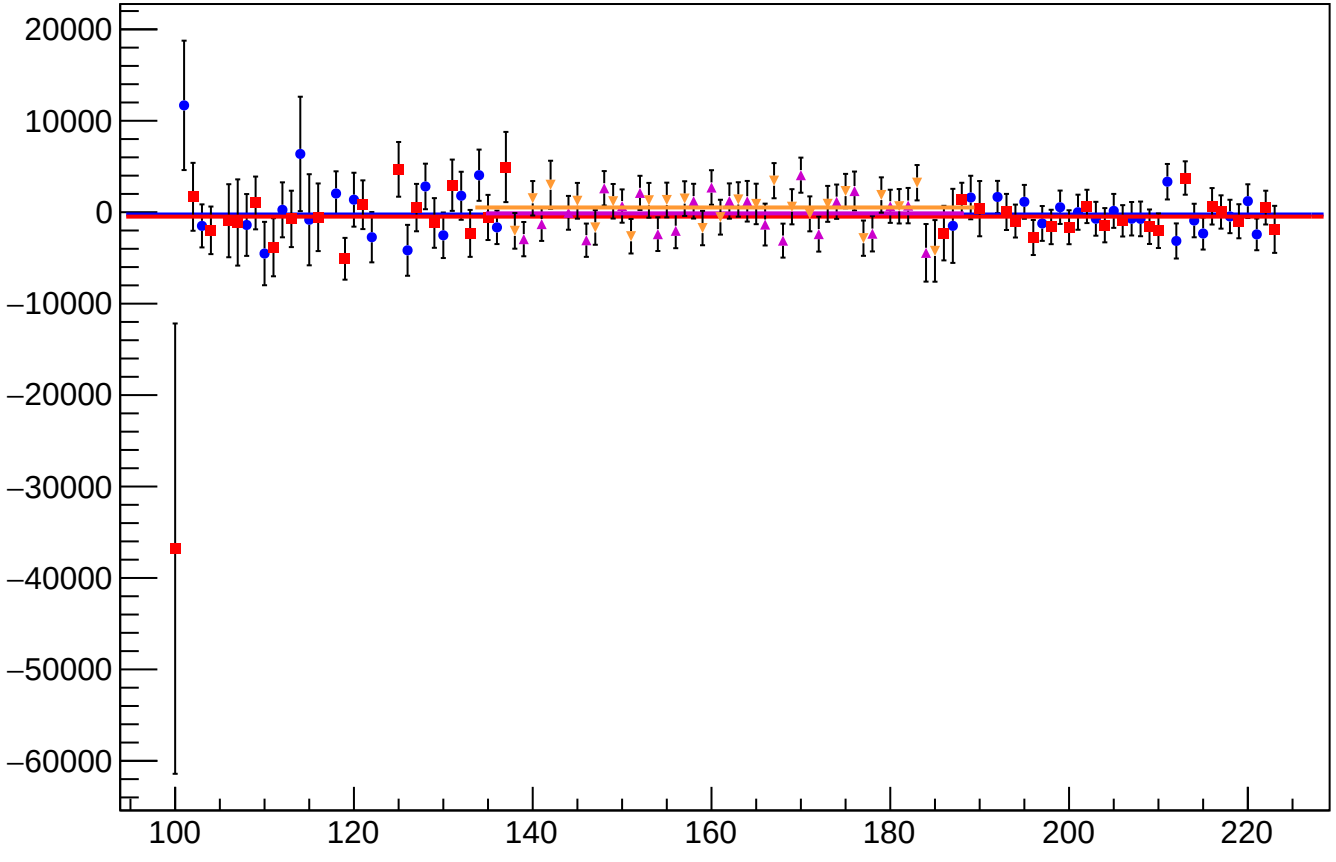
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1041.202+/-0.121 χ^2/NDF: 6745049.7/57

All: 1051.414+/-0.087 χ^2/NDF: 14679387.9/1

- sign 1062.177+/-0.124 χ^2/NDF: 7919727.4/59

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -249.584+/-379.817 χ^2/NDF: 28.4/33

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -482.259+/-379.114 χ^2/NDF: 27.6/36

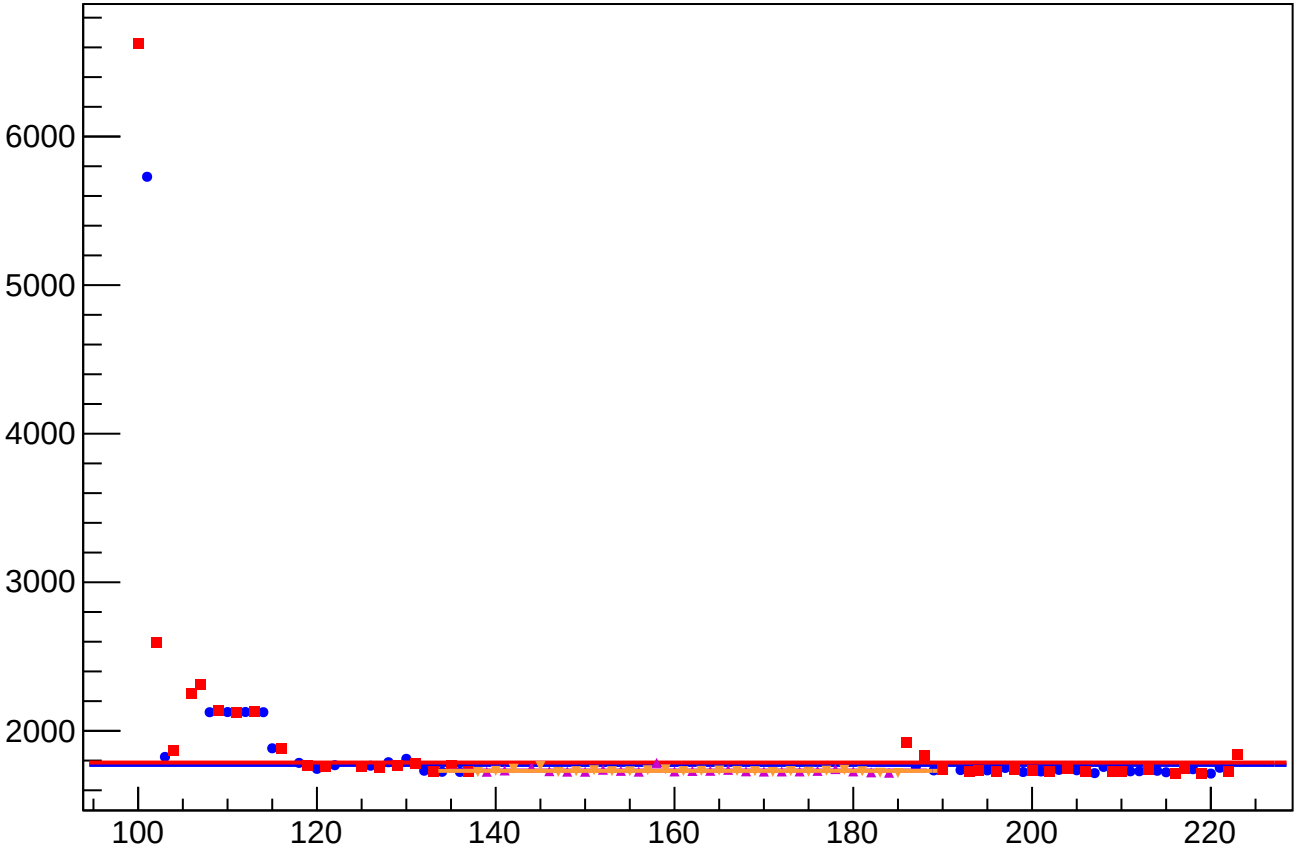
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 113.651+/-275.985 χ^2/NDF: 51.1/57

All: -100.533+/-195.387 χ^2/NDF: 109.8/117

- sign -315.759+/-276.655 χ^2/NDF: 57.5/59

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1770.789+/-0.269 χ^2/NDF: 724192.5/33

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

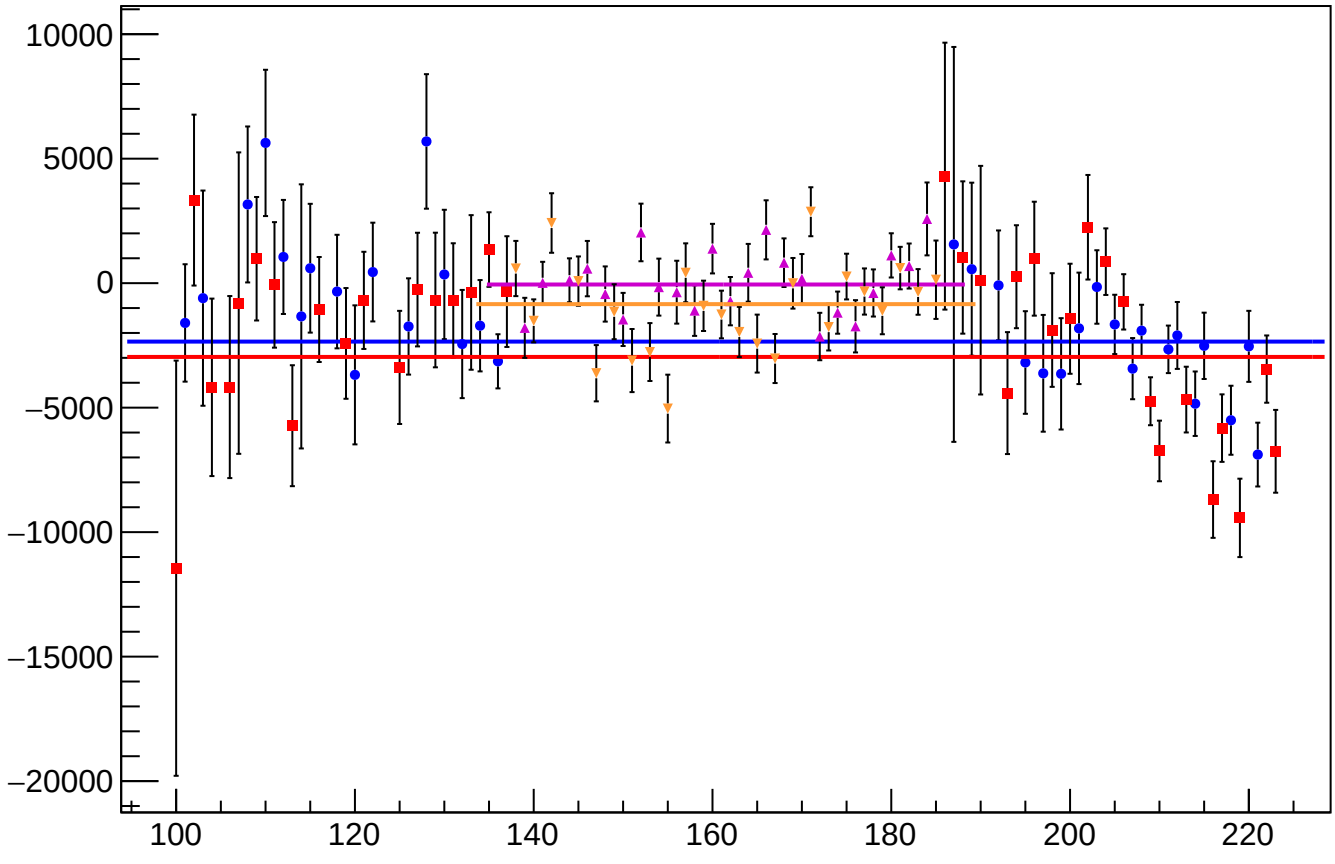
Right Out: 1786.742+/-0.268 χ^2/NDF: 340508.9/36

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.936+/-0.195 χ^2/NDF: 735602.0/57

All: 1756.767+/-0.138 χ^2/NDF: 1098360.3/11

- sign 1761.622+/-0.196 χ^2/NDF: 361529.4/59



Right In: -2347.034+/-293.436 χ^2/NDF: 55.9/33

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -2962.880+/-311.530 χ^2/NDF: 109.6/36

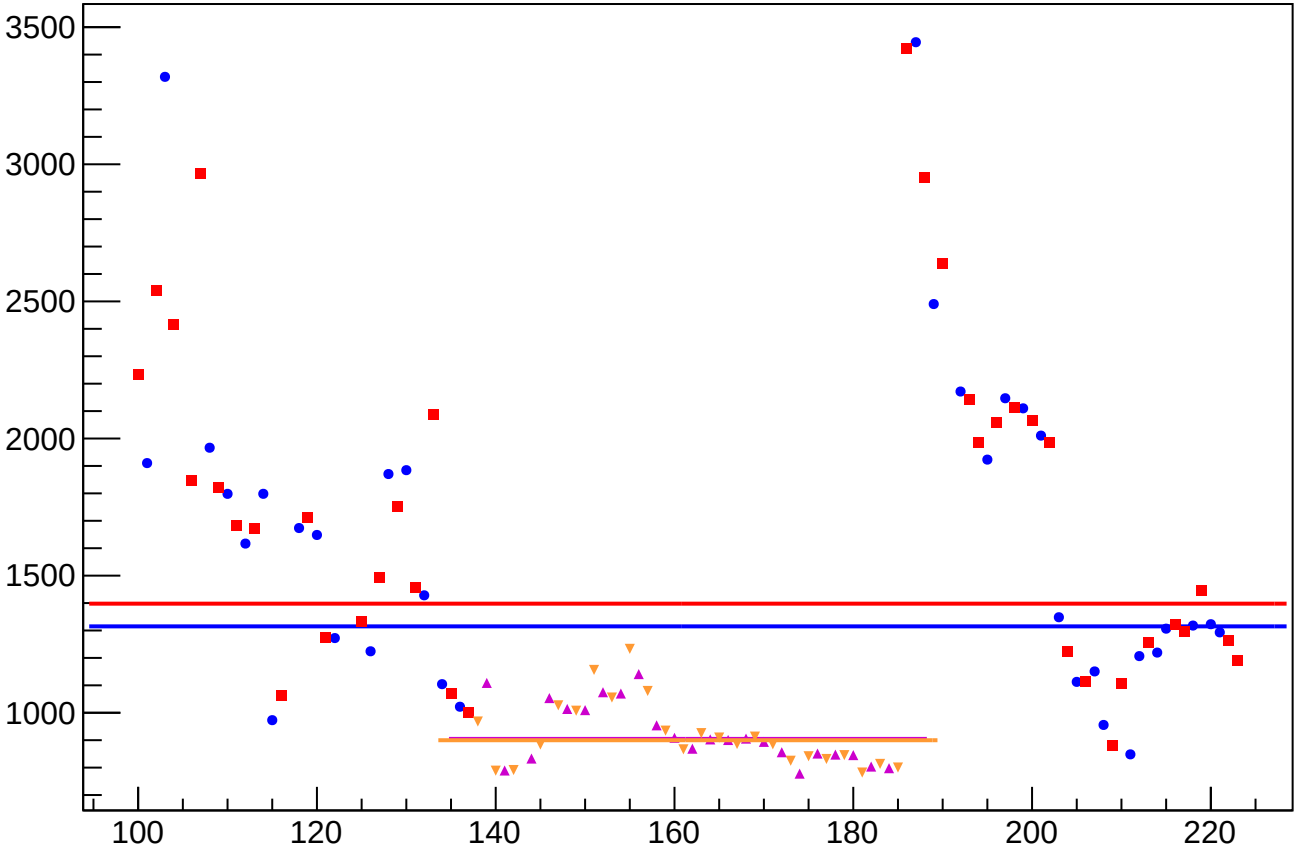
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1354.799+/-171.231 χ^2/NDF: 136.0/57

All: -1172.536+/-122.666 χ^2/NDF: 338.0/117

- sign -980.392+/-175.811 χ^2/NDF: 199.7/59

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1315.031+/-0.207 χ^2/NDF: 3607908.2/33

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1397.813+/-0.220 χ^2/NDF: 4016976.8/36

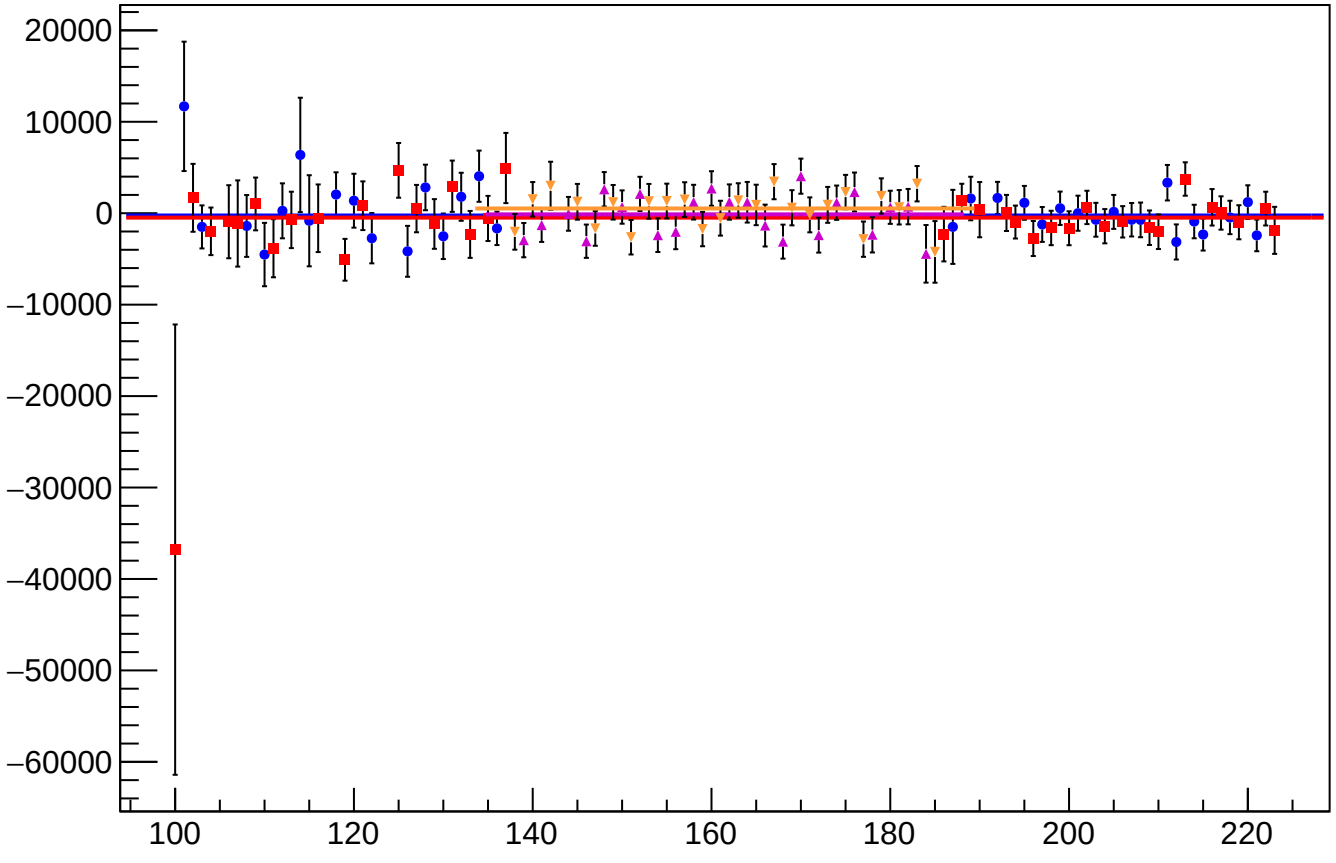
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1041.202+/-0.121 χ^2/NDF: 6744116.3/57

All: 1051.189+/-0.087 χ^2/NDF: 14643031.8/1

- sign 1061.718+/-0.124 χ^2/NDF: 7884938.3/59

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -249.584+/-379.817 χ^2/NDF: 28.4/33

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -482.259+/-379.114 χ^2/NDF: 27.6/36

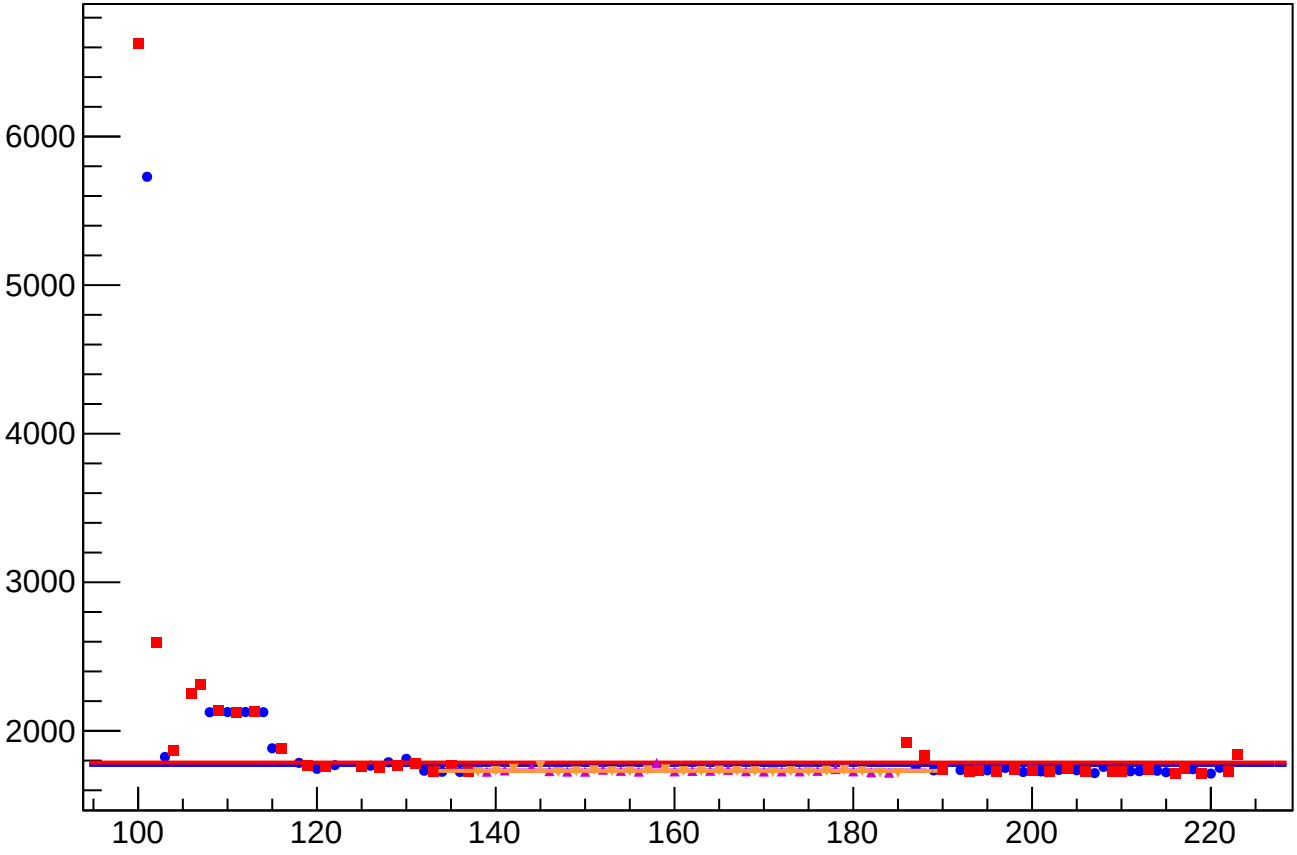
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 113.651+/-275.985 χ^2/NDF: 51.1/57

All: -100.533+/-195.387 χ^2/NDF: 109.8/117

- sign -315.759+/-276.655 χ^2/NDF: 57.5/59

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1770.789+/-0.269 χ^2/NDF: 724192.5/33

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

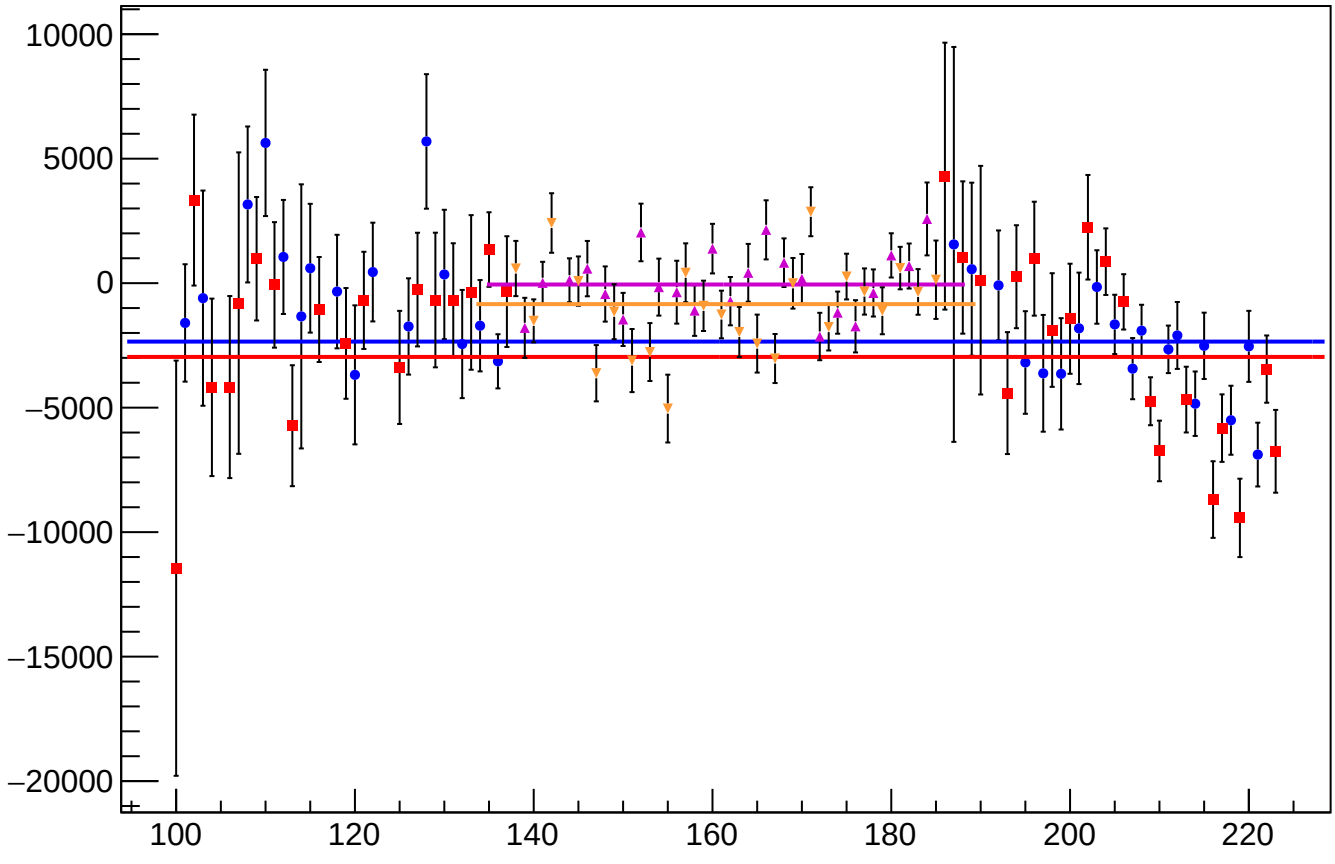
Right Out: 1786.742+/-0.268 χ^2/NDF: 340508.9/36

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.936+/-0.195 χ^2/NDF: 735602.0/57

All: 1756.767+/-0.138 χ^2/NDF: 1098360.3/11

- sign 1761.622+/-0.196 χ^2/NDF: 361529.4/59



Right In: -2347.034+/-293.436 χ^2/NDF: 55.9/33

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

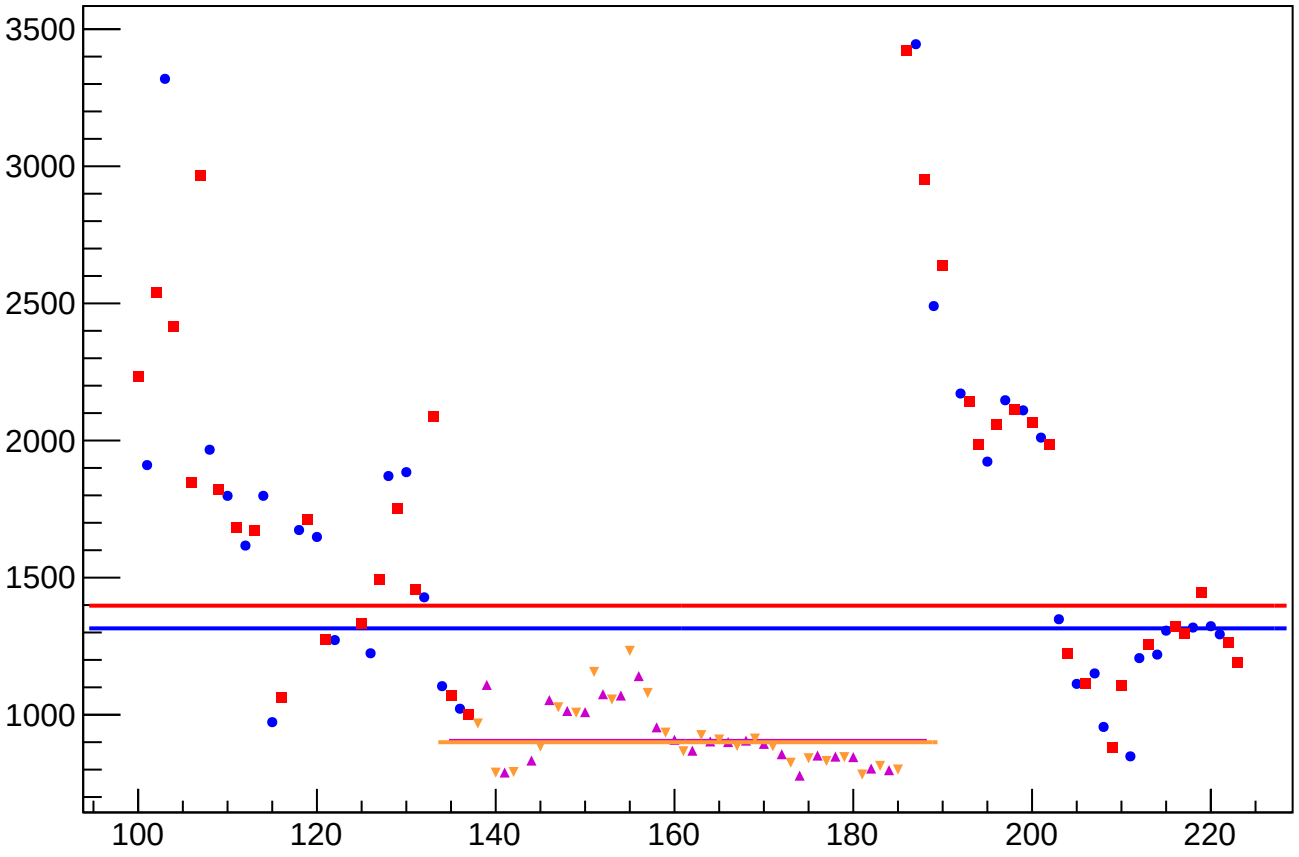
Right Out: -2962.880+/-311.530 χ^2/NDF: 109.6/36

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1354.799+/-171.231 χ^2/NDF: 136.0/57

All: -1172.536+/-122.666 χ^2/NDF: 338.0/117

- sign -980.392+/-175.811 χ^2/NDF: 199.7/59



Right In: 1315.031+/-0.207 χ^2/NDF: 3607908.2/33

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1397.813+/-0.220 χ^2/NDF: 4016976.8/36

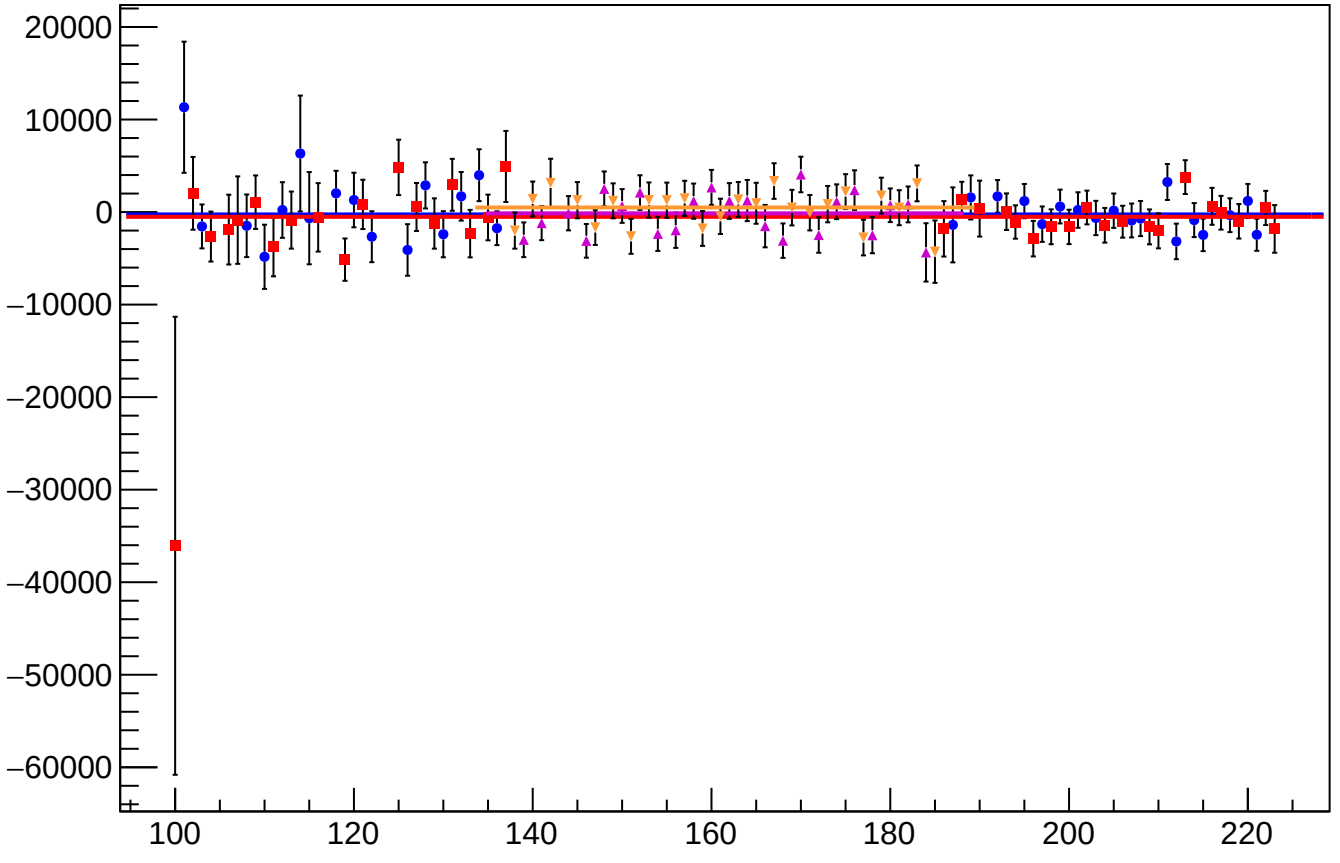
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1041.202+/-0.121 χ^2/NDF: 6744116.3/57

All: 1051.189+/-0.087 χ^2/NDF: 14643031.8/1

- sign 1061.718+/-0.124 χ^2/NDF: 7884938.3/59

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -255.206+/-380.170 χ^2/NDF: 28.5/33

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -514.143+/-379.769 χ^2/NDF: 28.2/36

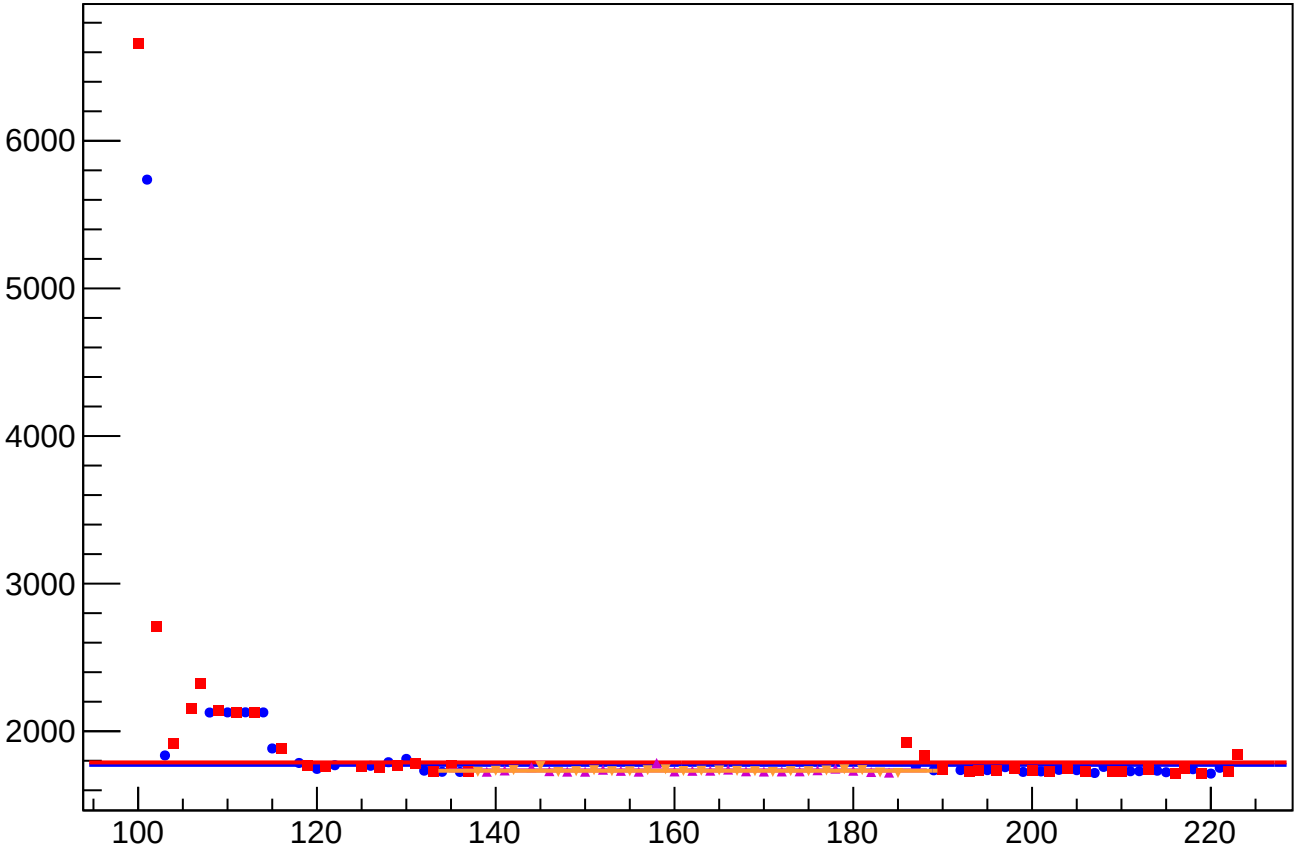
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 98.862+/-276.238 χ^2/NDF: 50.4/57

All: -118.826+/-195.608 χ^2/NDF: 109.8/117

- sign -337.758+/-277.026 χ^2/NDF: 58.2/59

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1772.331+/-0.269 χ^2/NDF: 724812.8/33

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

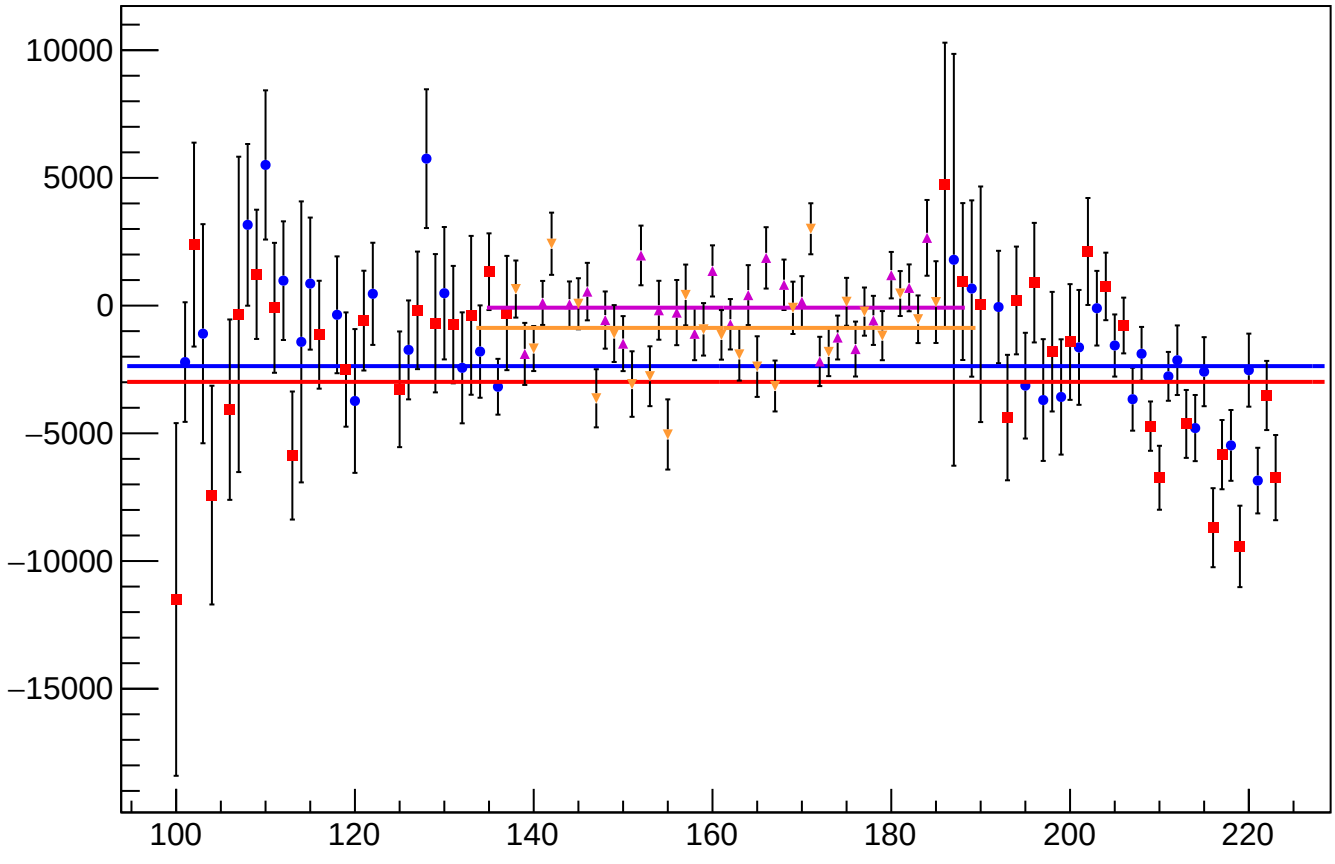
Right Out: 1788.696+/-0.269 χ^2/NDF: 351608.1/36

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1753.477+/-0.195 χ^2/NDF: 736144.8/57

All: 1758.410+/-0.138 χ^2/NDF: 1110257.5/11

- sign 1763.370+/-0.196 χ^2/NDF: 372833.8/59



Right In: -2368.922+/-294.873 χ^2/NDF: 56.1/33

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

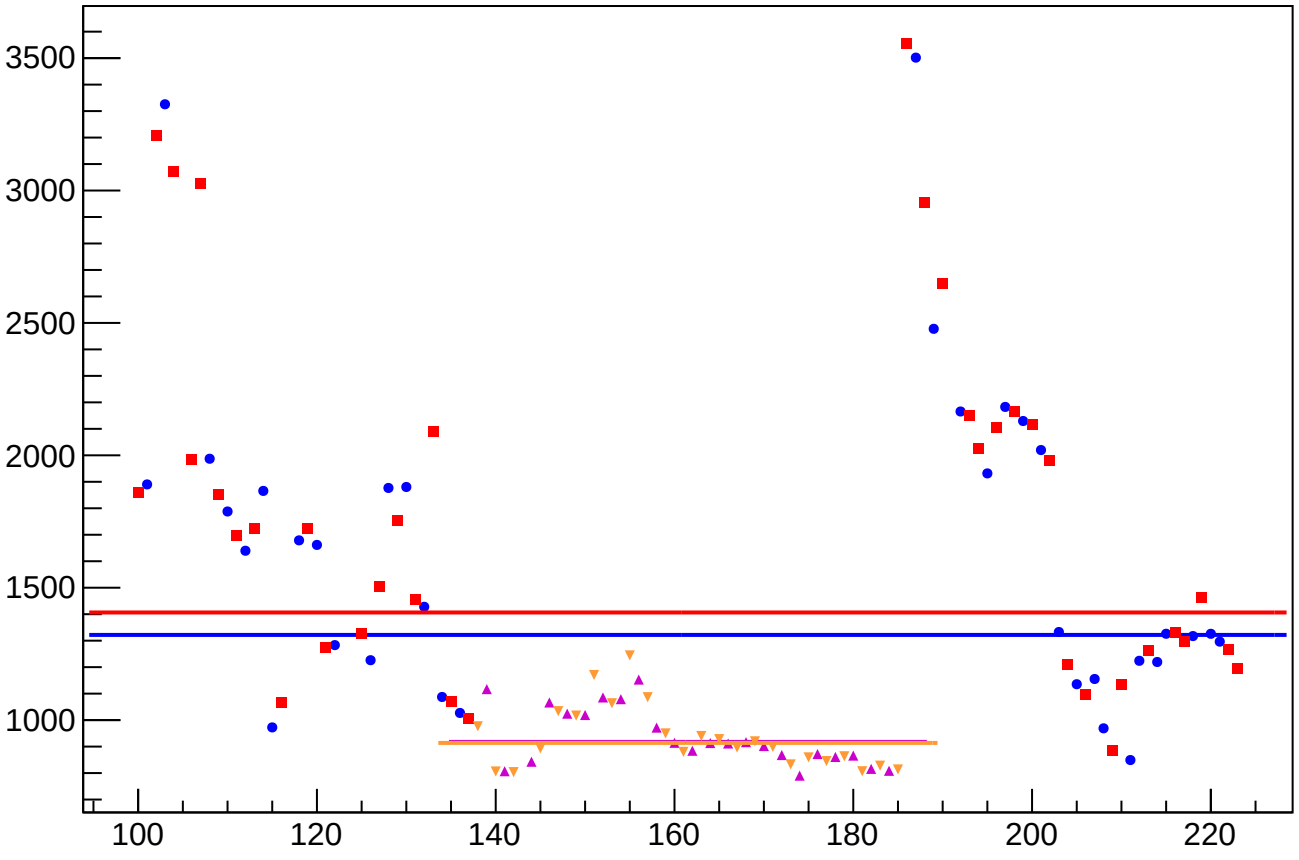
Right Out: -2985.835+/-313.574 χ^2/NDF: 107.4/36

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -1388.989+/-173.200 χ^2/NDF: 134.9/57

All: -1207.232+/-124.077 χ^2/NDF: 332.7/117

- sign -1015.619+/-177.834 χ^2/NDF: 195.6/59



Right In: 1321.727+/-0.209 χ^2/NDF: 3599536.5/33

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1406.482+/-0.222 χ^2/NDF: 4459131.2/36

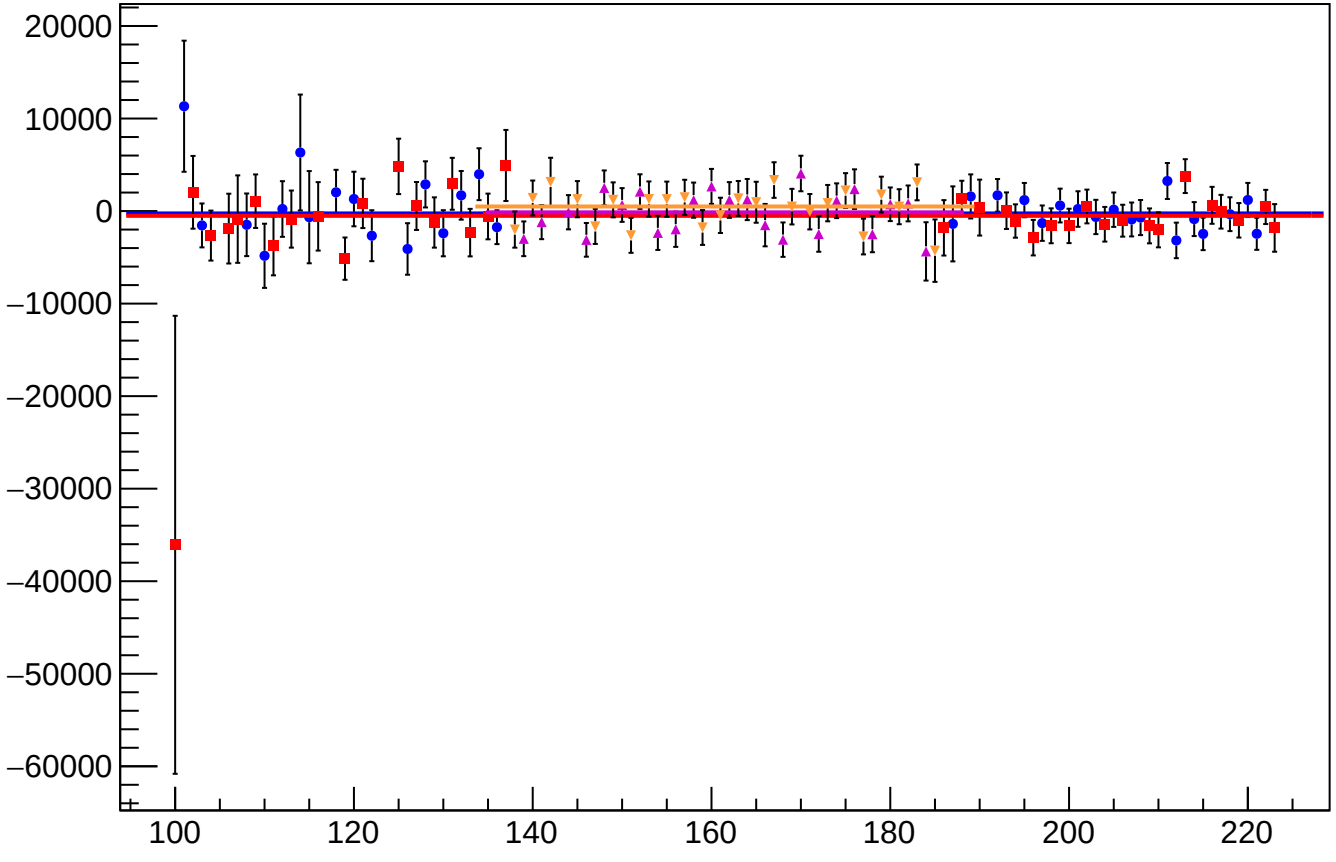
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1054.602+/-0.122 χ^2/NDF: 6568221.9/57

All: 1064.477+/-0.088 χ^2/NDF: 14768045.8/1

- sign 1074.887+/-0.126 χ^2/NDF: 8186469.2/59

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -255.203+/-380.170 χ^2/NDF: 28.5/33

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -514.138+/-379.769 χ^2/NDF: 28.2/36

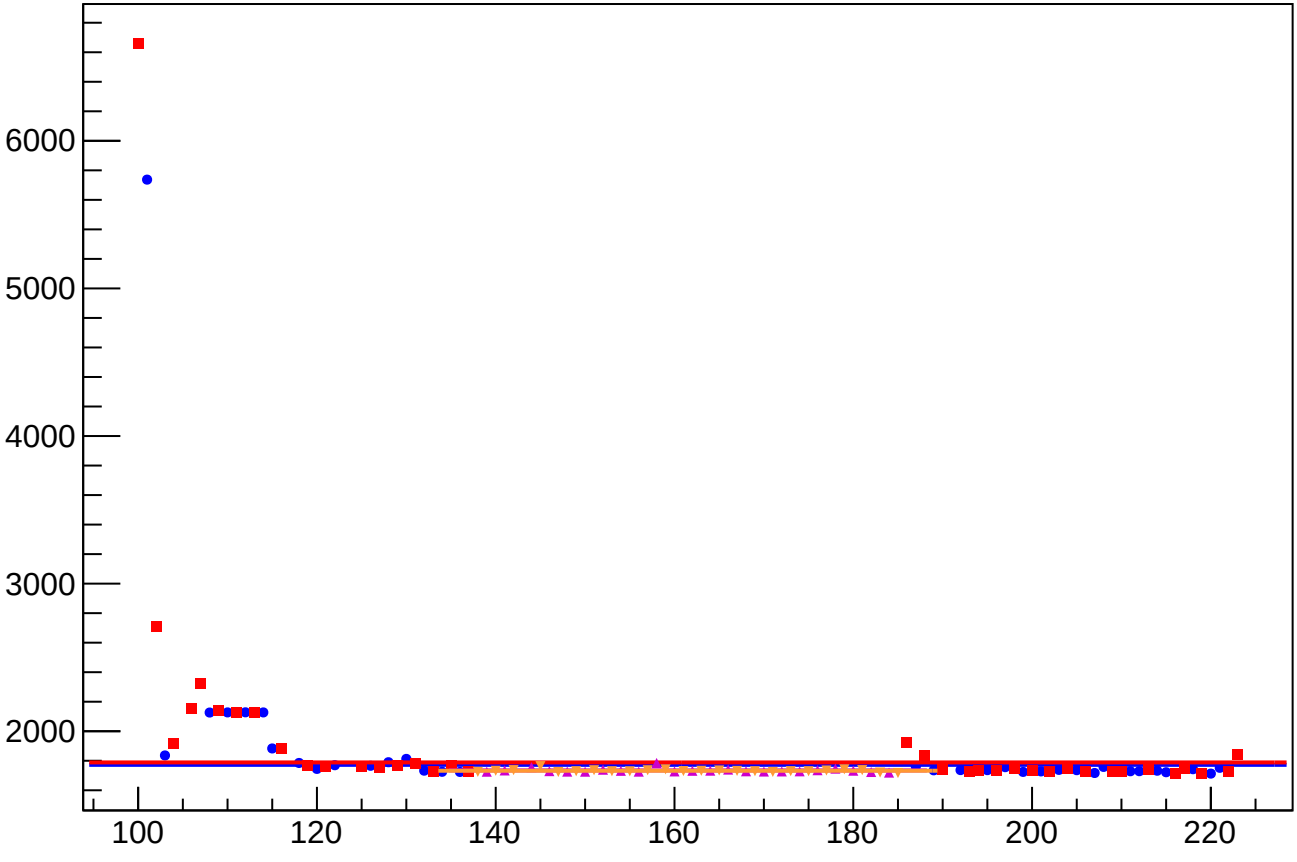
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 98.864+/-276.238 χ^2/NDF: 50.4/57

All: -118.824+/-195.608 χ^2/NDF: 109.8/117

- sign -337.756+/-277.026 χ^2/NDF: 58.2/59

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1772.331+/-0.269 χ^2/NDF: 724812.8/33

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

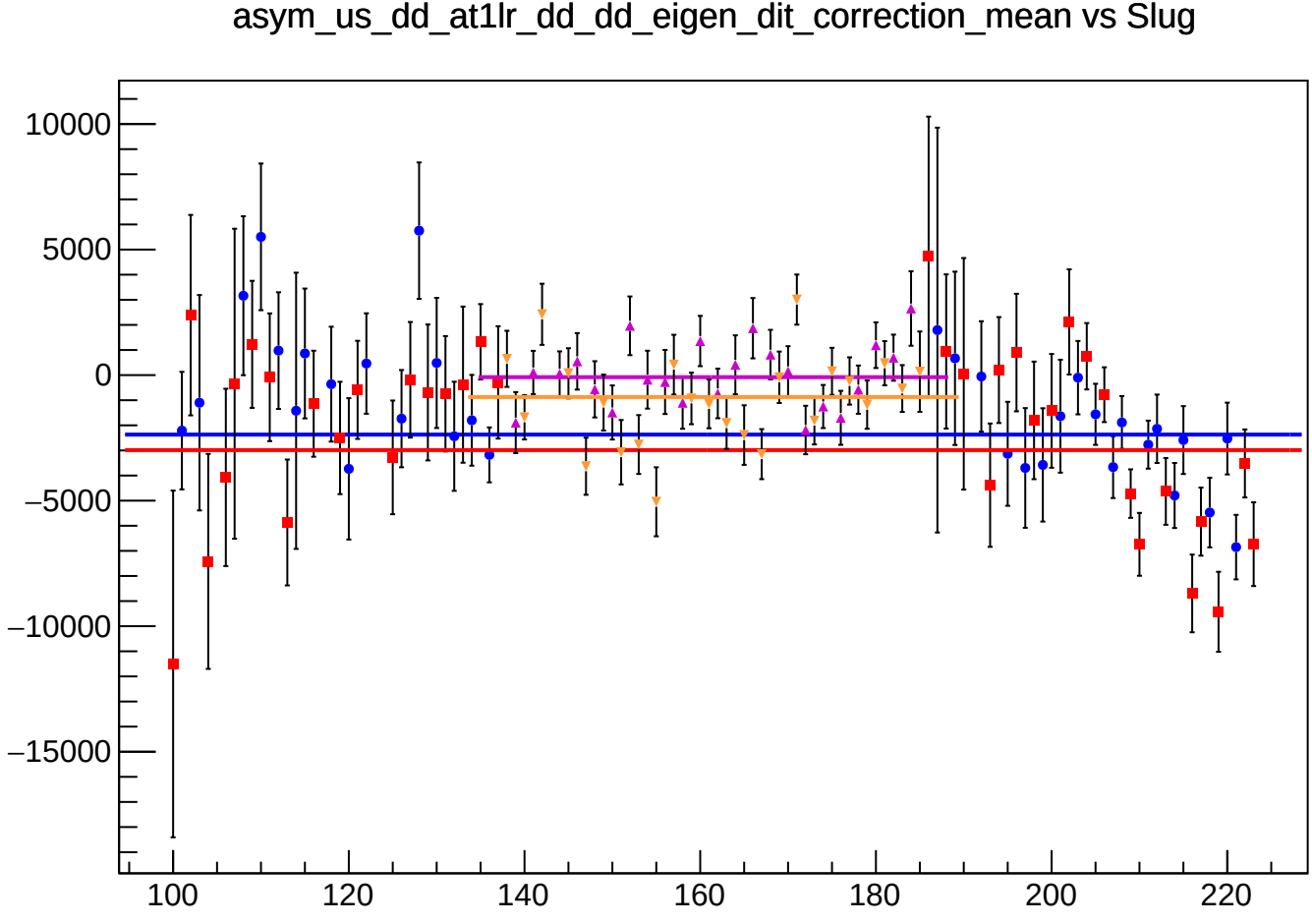
Right Out: 1788.696+/-0.269 χ^2/NDF: 351607.8/36

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1753.477+/-0.195 χ^2/NDF: 736144.7/57

All: 1758.410+/-0.138 χ^2/NDF: 1110257.2/11

- sign 1763.370+/-0.196 χ^2/NDF: 372833.5/59



Right In: -2368.917+/-294.872 χ^2/NDF: 56.1/33

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

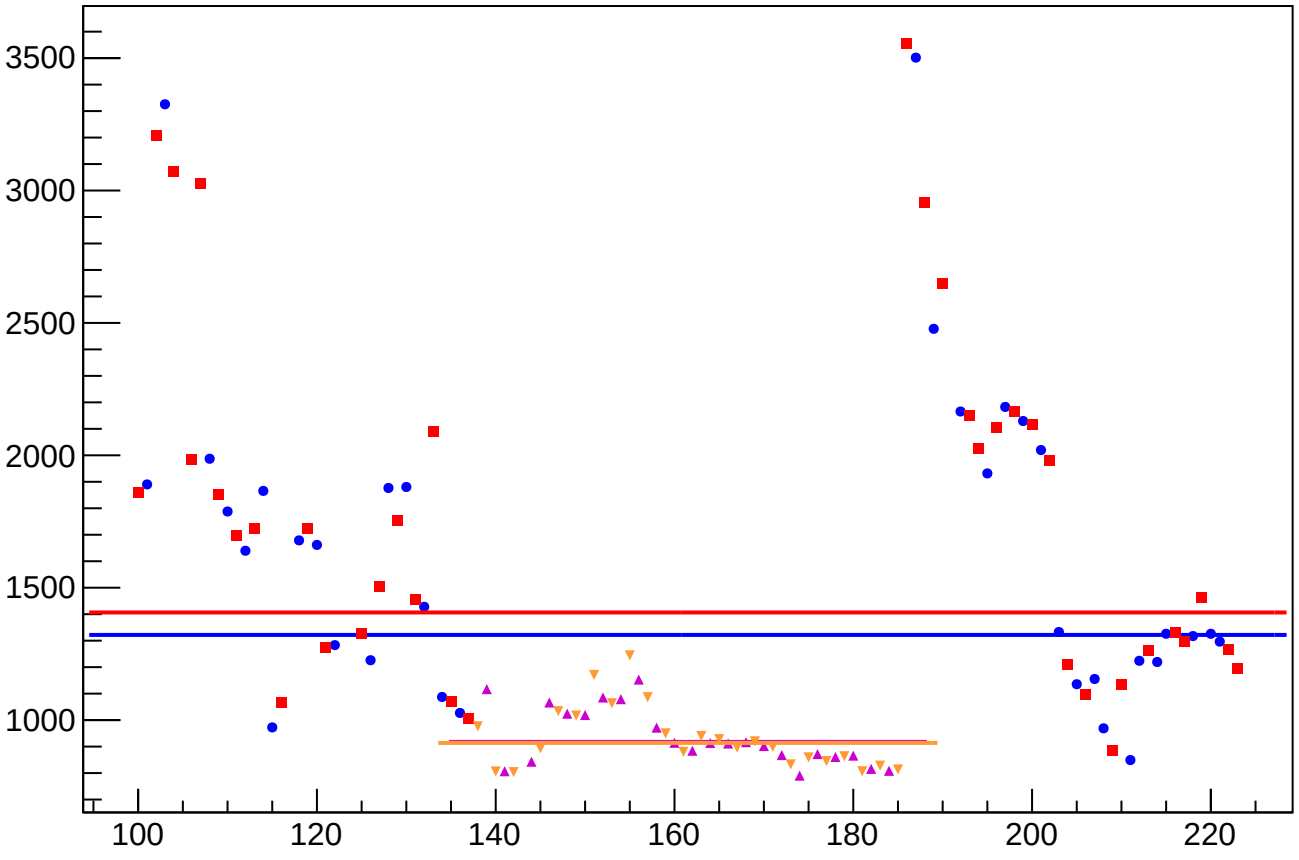
Right Out: -2985.834+/-313.573 χ^2/NDF: 107.4/36

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -1388.988+/-173.200 χ^2/NDF: 134.9/57

All: -1207.232+/-124.077 χ^2/NDF: 332.7/117

- sign -1015.620+/-177.834 χ^2/NDF: 195.6/59



Right In: 1321.725+/-0.209 χ^2/NDF: 3599531.0/33

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1406.480+/-0.222 χ^2/NDF: 4459145.9/36

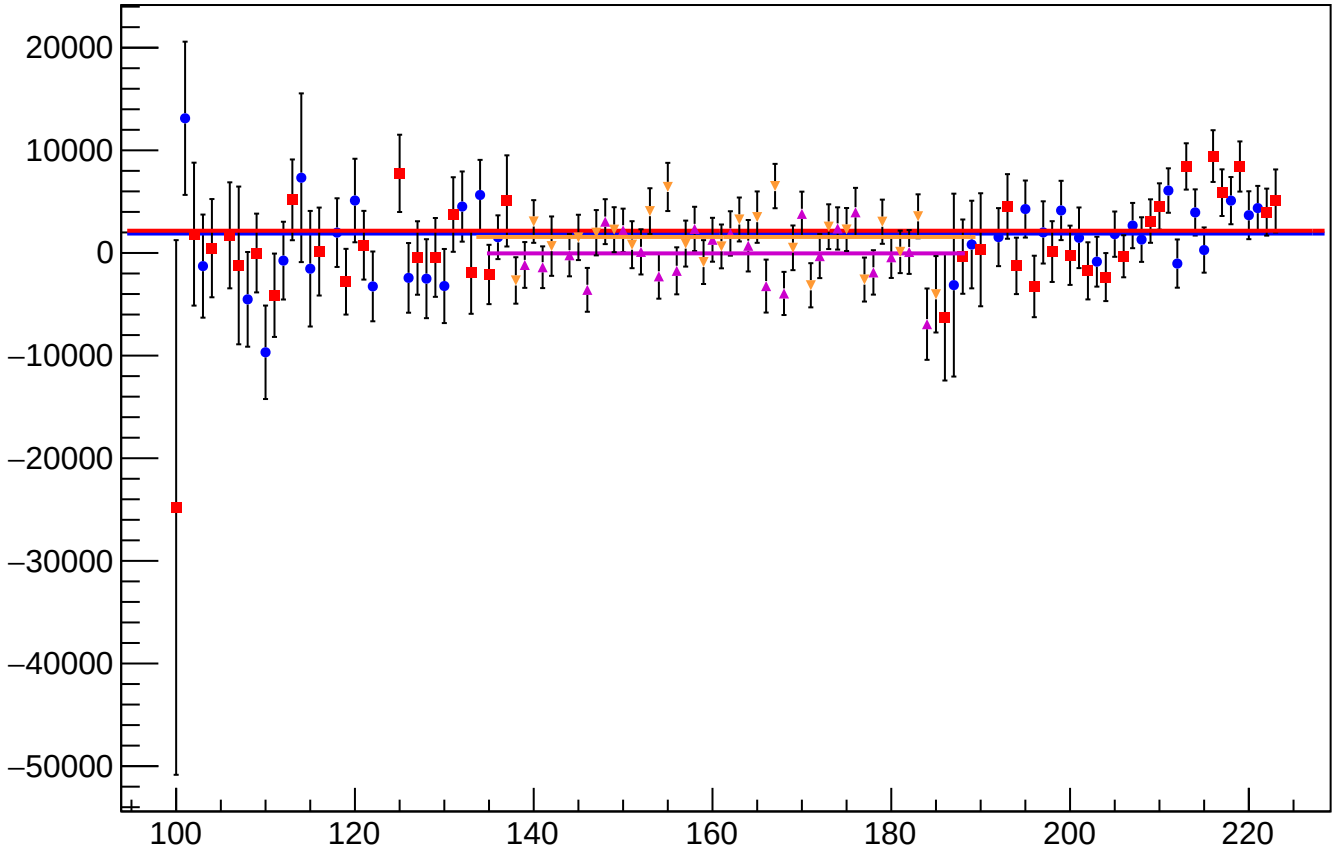
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1054.601+/-0.122 χ^2/NDF: 6568215.0/57

All: 1064.476+/-0.088 χ^2/NDF: 14768042.4/1

- sign 1074.886+/-0.126 χ^2/NDF: 8186473.0/59

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1893.852+/-501.977 χ^2/NDF: 35.8/33

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 2166.708+/-514.751 χ^2/NDF: 58.8/36

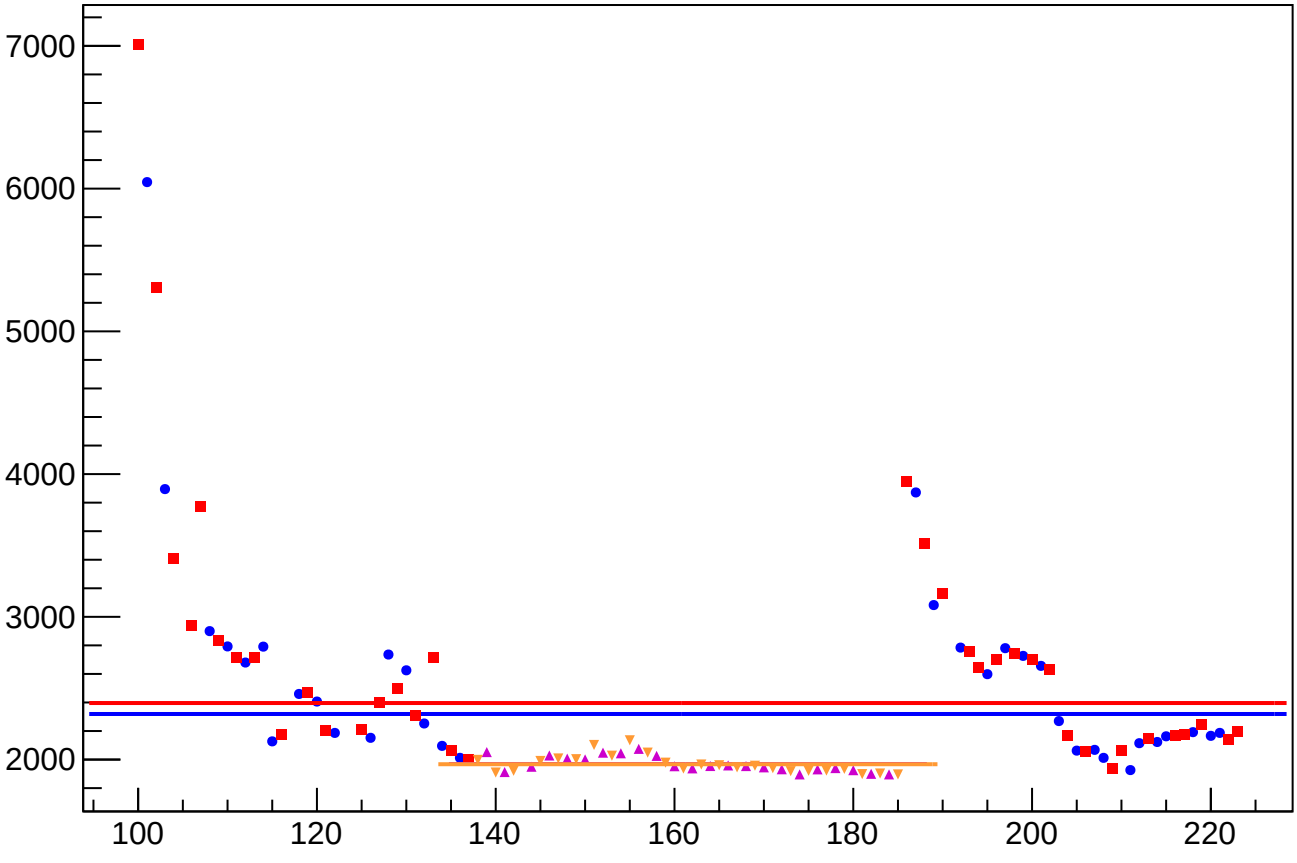
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1712.002+/-337.885 χ^2/NDF: 67.2/57

All: 1331.628+/-240.699 χ^2/NDF: 166.6/117

- sign 939.712+/-342.973 χ^2/NDF: 96.8/59

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2319.328+/-0.355 χ^2/NDF: 1409709.7/33

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

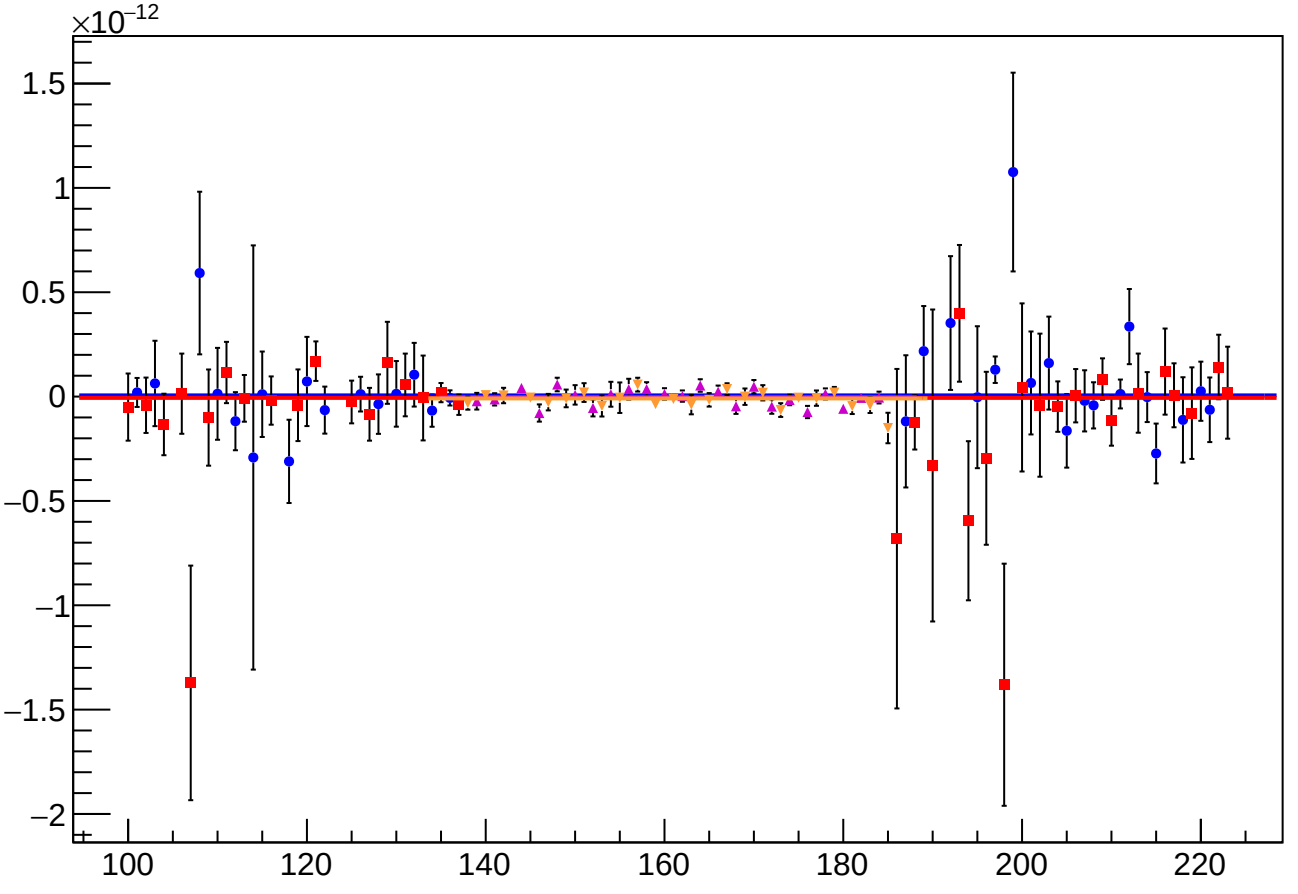
Right Out: 2396.149+/-0.364 χ^2/NDF: 1508890.7/36

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2126.858+/-0.239 χ^2/NDF: 1981527.4/57

All: 2142.512+/-0.170 χ^2/NDF: 4291381.0/11

- sign 2158.642+/-0.243 χ^2/NDF: 2301137.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

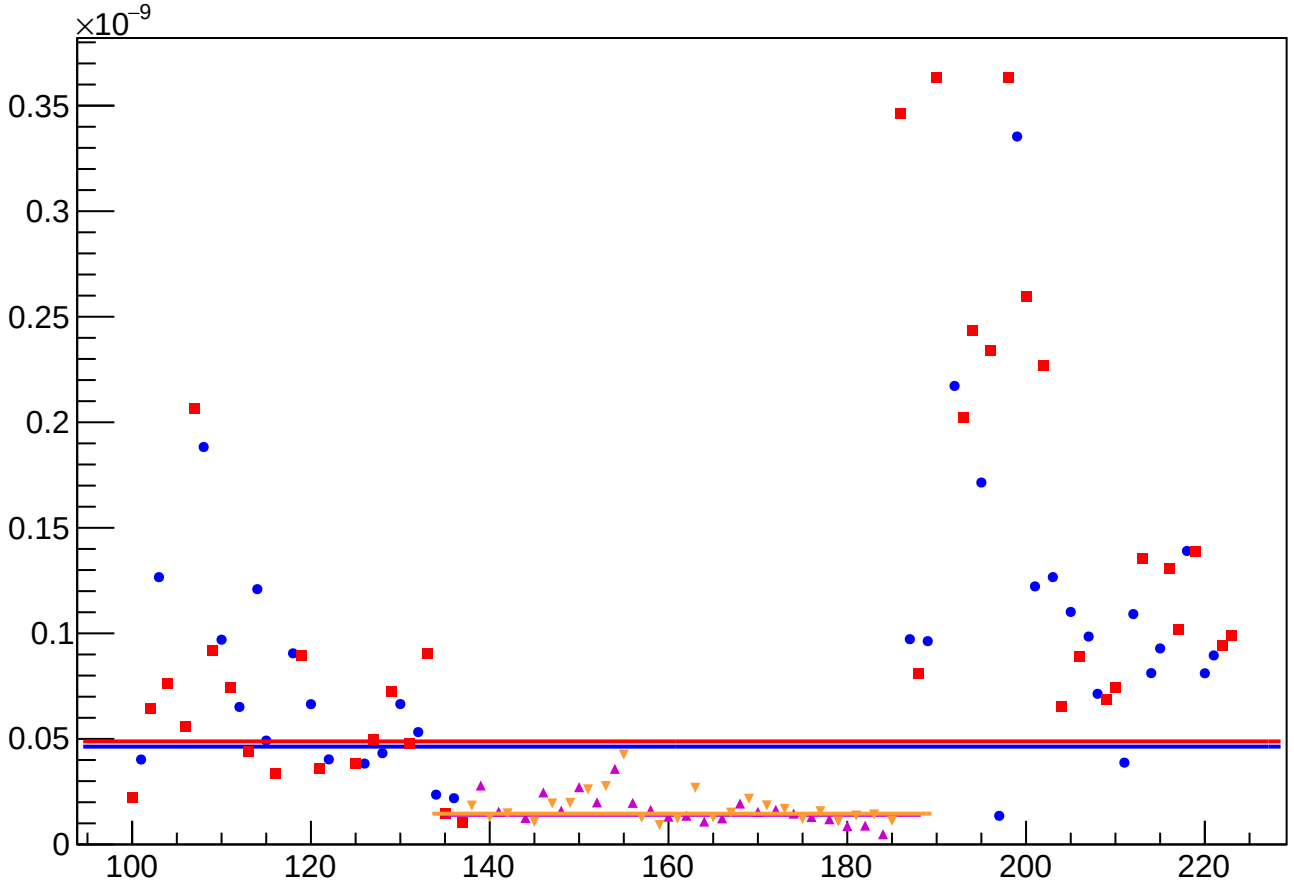
Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/36

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/57

All: -0.000+/-0.000 χ^2/NDF: 116.9/117

- sign -0.000+/-0.000 χ^2/NDF: 67.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 6665576.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

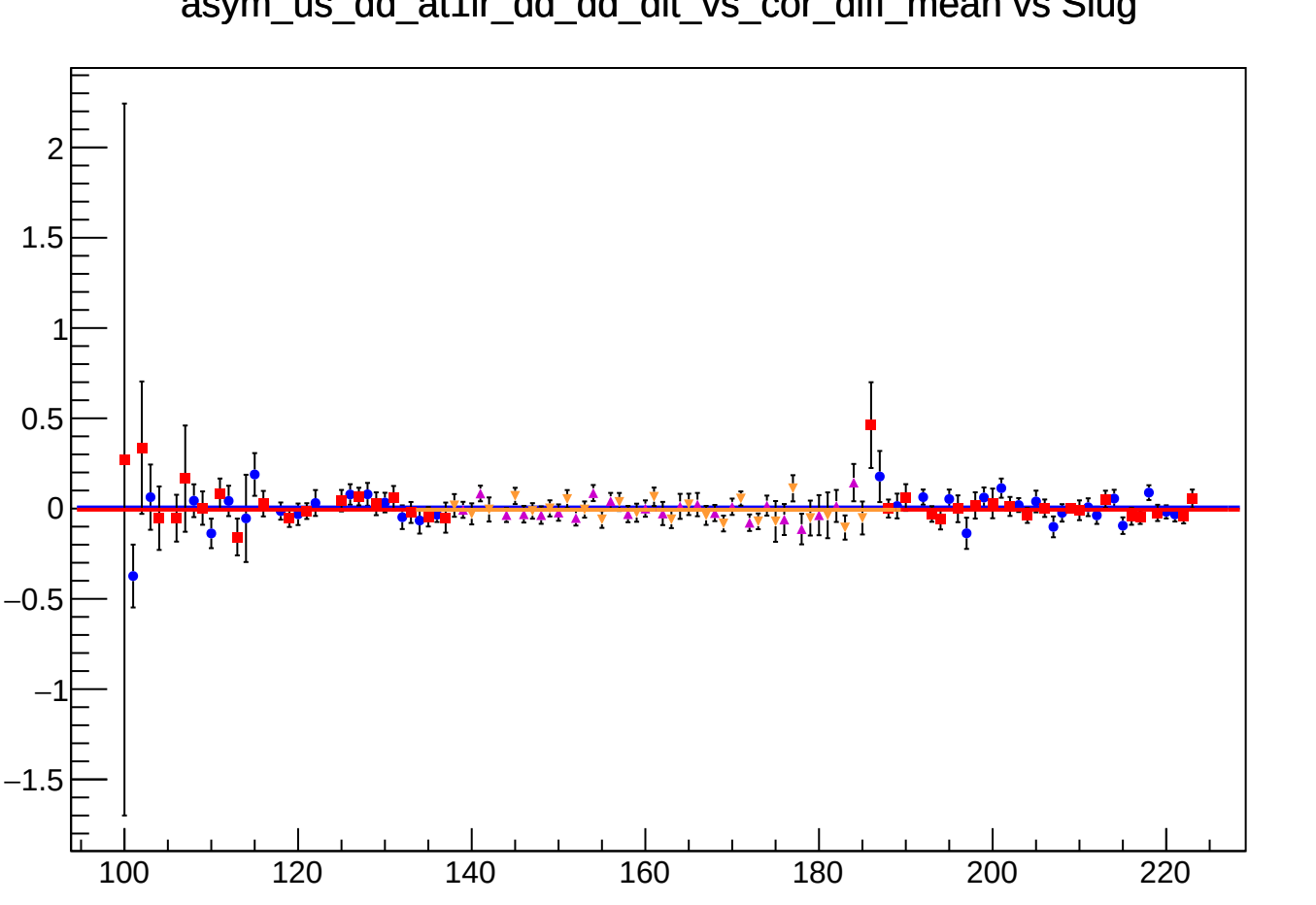
Right Out: 0.000+/-0.000 χ^2/NDF: 8862116.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12634600.2/57

All: 0.000+/-0.000 χ^2/NDF: 27970457.8/117

- sign 0.000+/-0.000 χ^2/NDF: 15317909.6/59



Right In: 0.006+/-0.010 χ^2/NDF: 45.7/33

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

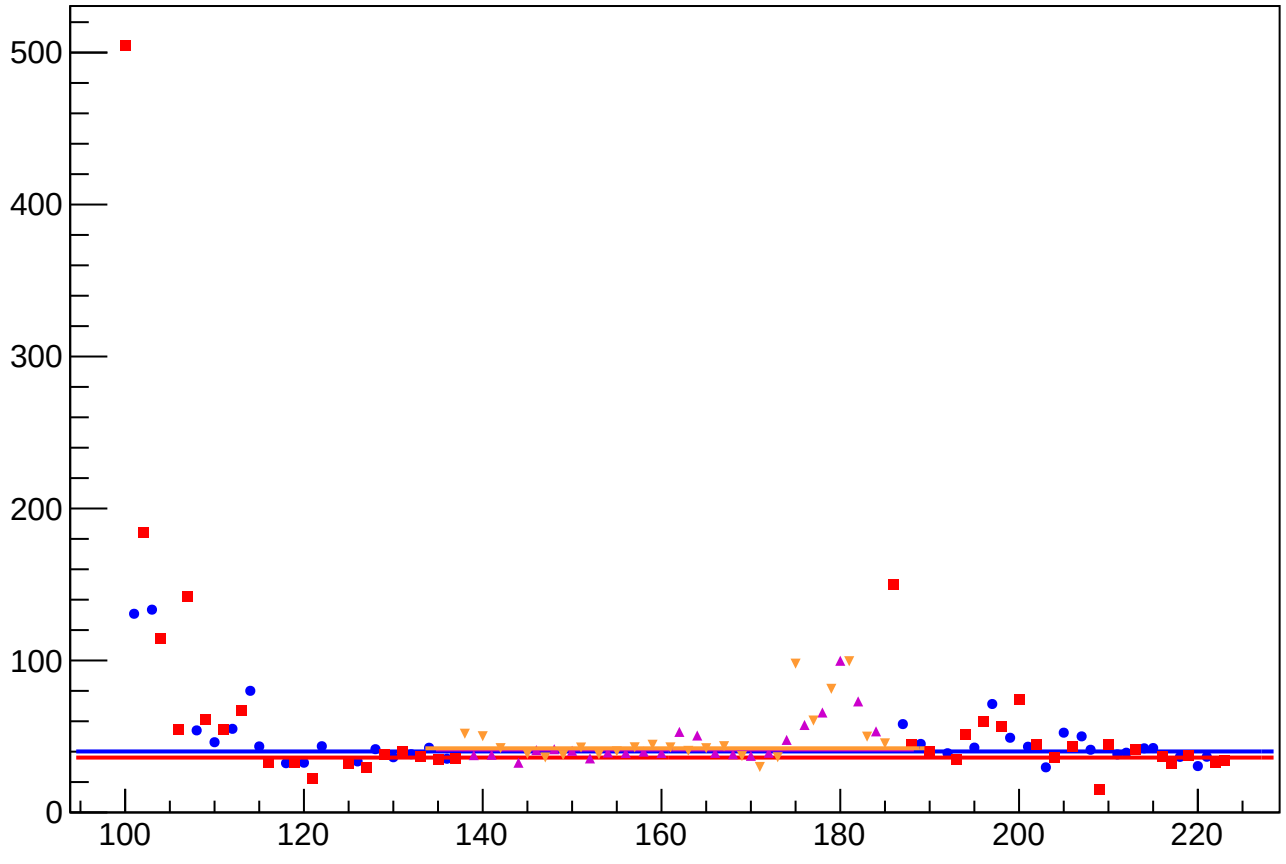
Right Out: -0.006+/-0.009 χ^2/NDF: 23.8/36

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.001+/-0.007 χ^2/NDF: 70.4/57

All: -0.003+/-0.005 χ^2/NDF: 114.7/117

- sign -0.006+/-0.007 χ^2/NDF: 43.8/59



Right In: 40.140+/-0.007 χ^2/NDF: 2255225.8/33

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

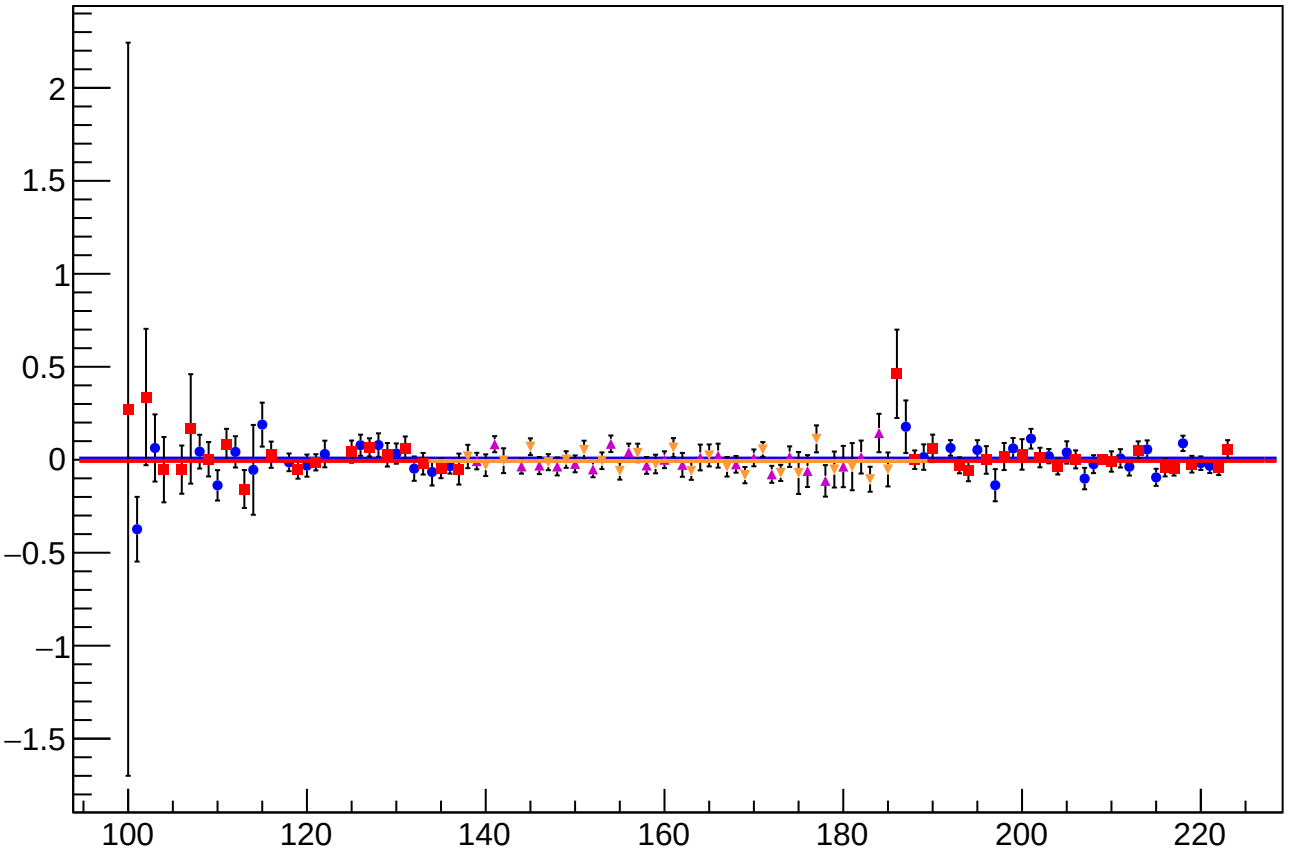
Right Out: 36.108+/-0.006 χ^2/NDF: 4939857.8/36

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.041+/-0.005 χ^2/NDF: 4115078.2/57

All: 39.640+/-0.004 χ^2/NDF: 10897198.9/117

- sign 38.335+/-0.005 χ^2/NDF: 6636133.7/59



Right In: 0.006+/-0.010 χ^2/NDF: 45.7/33

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

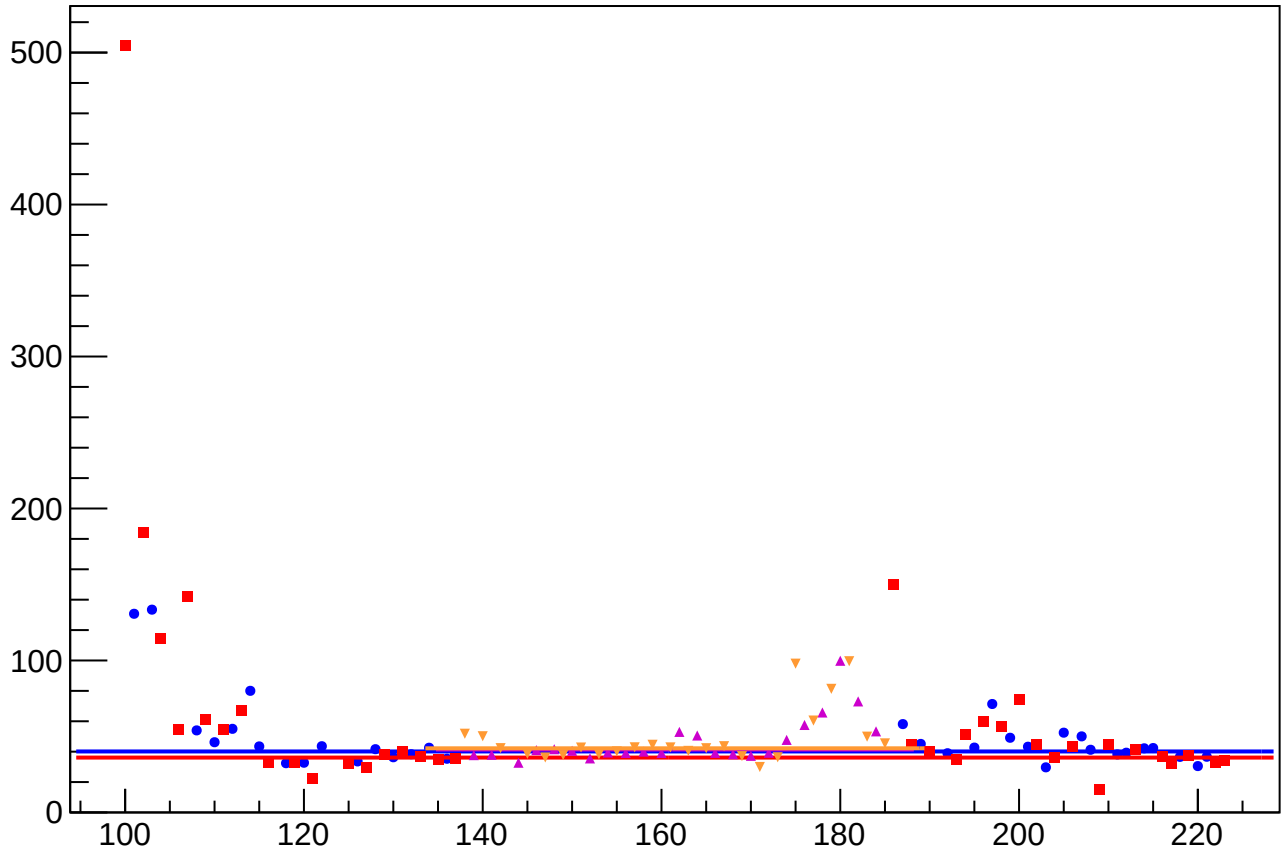
Right Out: -0.006+/-0.009 χ^2/NDF: 23.8/36

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.001+/-0.007 χ^2/NDF: 70.4/57

All: -0.003+/-0.005 χ^2/NDF: 114.7/117

- sign -0.006+/-0.007 χ^2/NDF: 43.8/59



Right In: 40.140+/-0.007 χ^2/NDF: 2255225.8/33

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

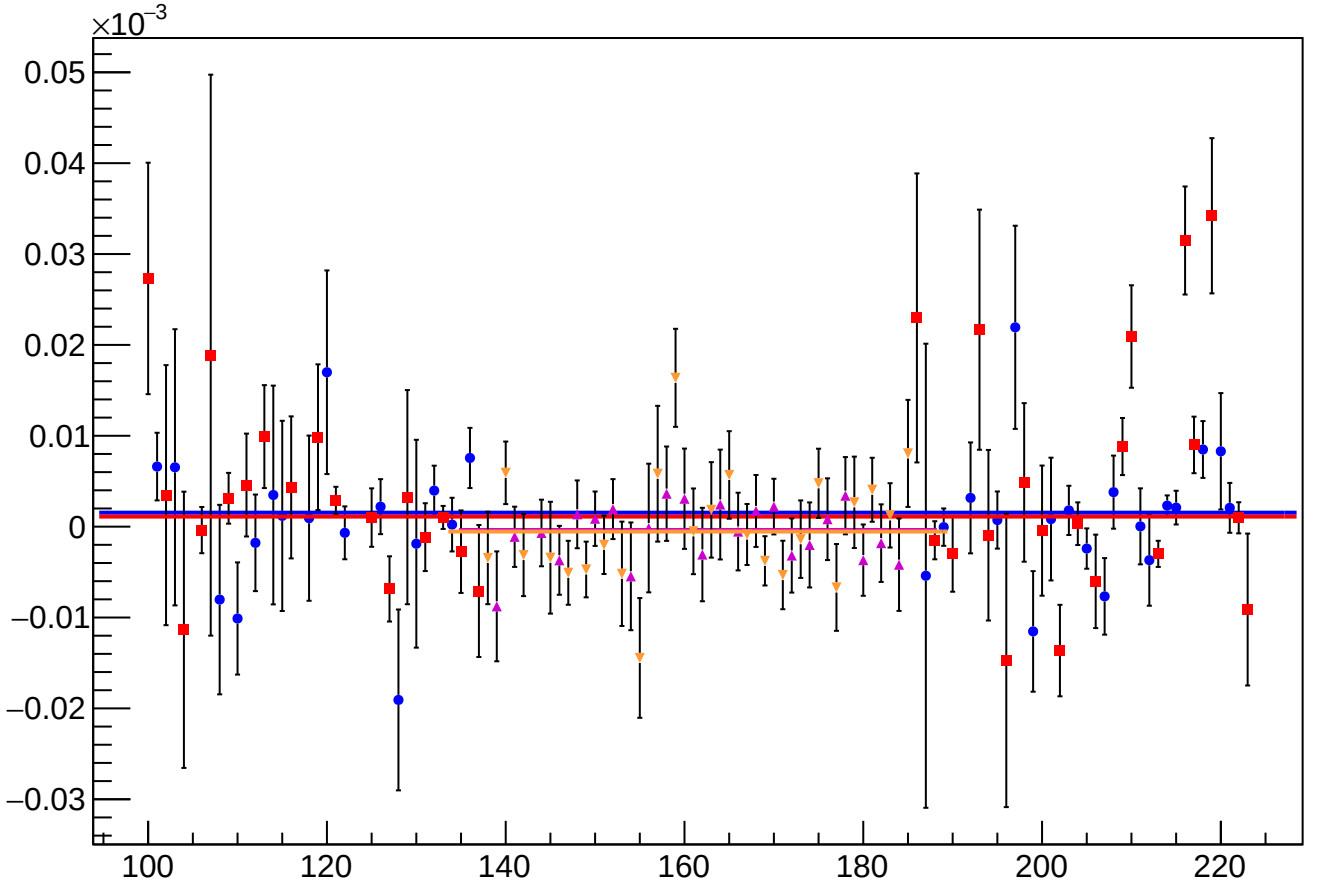
Right Out: 36.108+/-0.006 χ^2/NDF: 4939857.8/36

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.041+/-0.005 χ^2/NDF: 4115078.2/57

All: 39.640+/-0.004 χ^2/NDF: 10897198.9/117

- sign 38.335+/-0.005 χ^2/NDF: 6636133.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 42.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

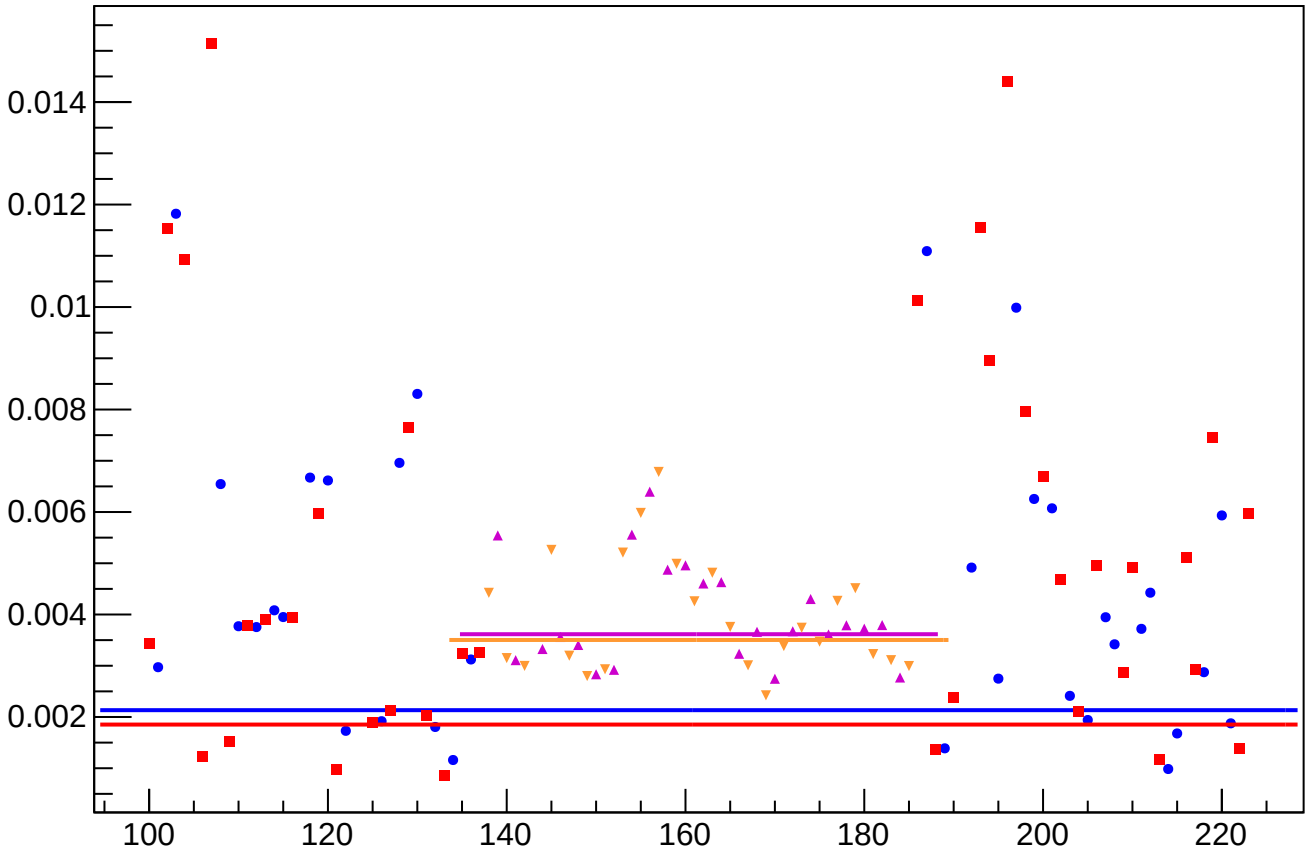
Right Out: 0.000+/-0.000 χ^2/NDF: 113.2/36

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.2/57

All: 0.000+/-0.000 χ^2/NDF: 208.2/117

- sign 0.000+/-0.000 χ^2/NDF: 125.0/59



Right In: 0.002+/-0.000 χ^2/NDF: 11849164.0/33

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

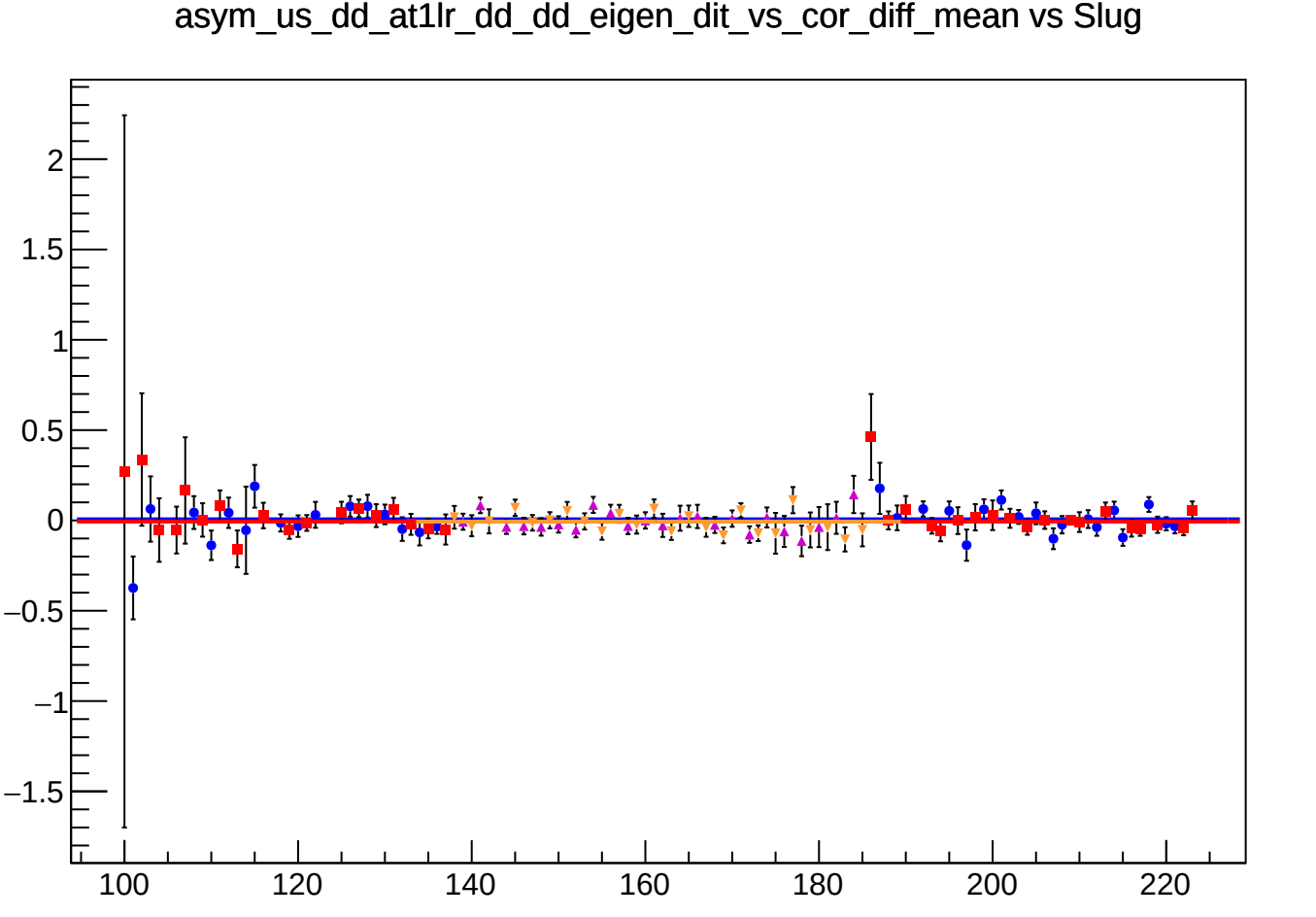
Right Out: 0.002+/-0.000 χ^2/NDF: 17014483.1/36

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 17659492.6/57

All: 0.002+/-0.000 χ^2/NDF: 42523234.2/117

- sign 0.002+/-0.000 χ^2/NDF: 24624468.1/59



Right In: 0.006+/-0.010 χ^2/NDF: 45.7/33

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

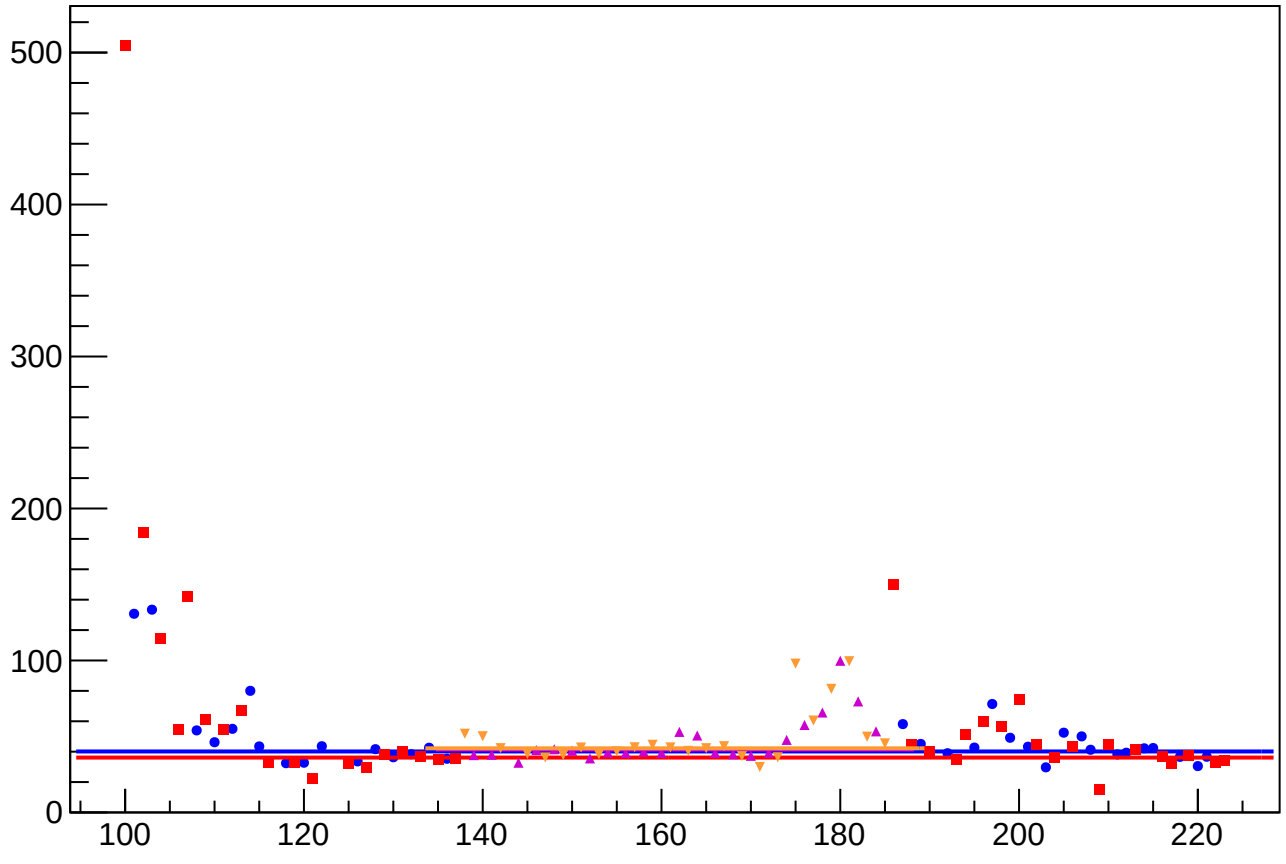
Right Out: -0.006+/-0.009 χ^2/NDF: 23.8/36

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.001+/-0.007 χ^2/NDF: 70.4/57

All: -0.003+/-0.005 χ^2/NDF: 114.7/117

- sign -0.006+/-0.007 χ^2/NDF: 43.8/59



Right In: 40.141+/-0.007 χ^2/NDF: 2255157.3/33

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.110+/-0.006 χ^2/NDF: 4937374.9/36

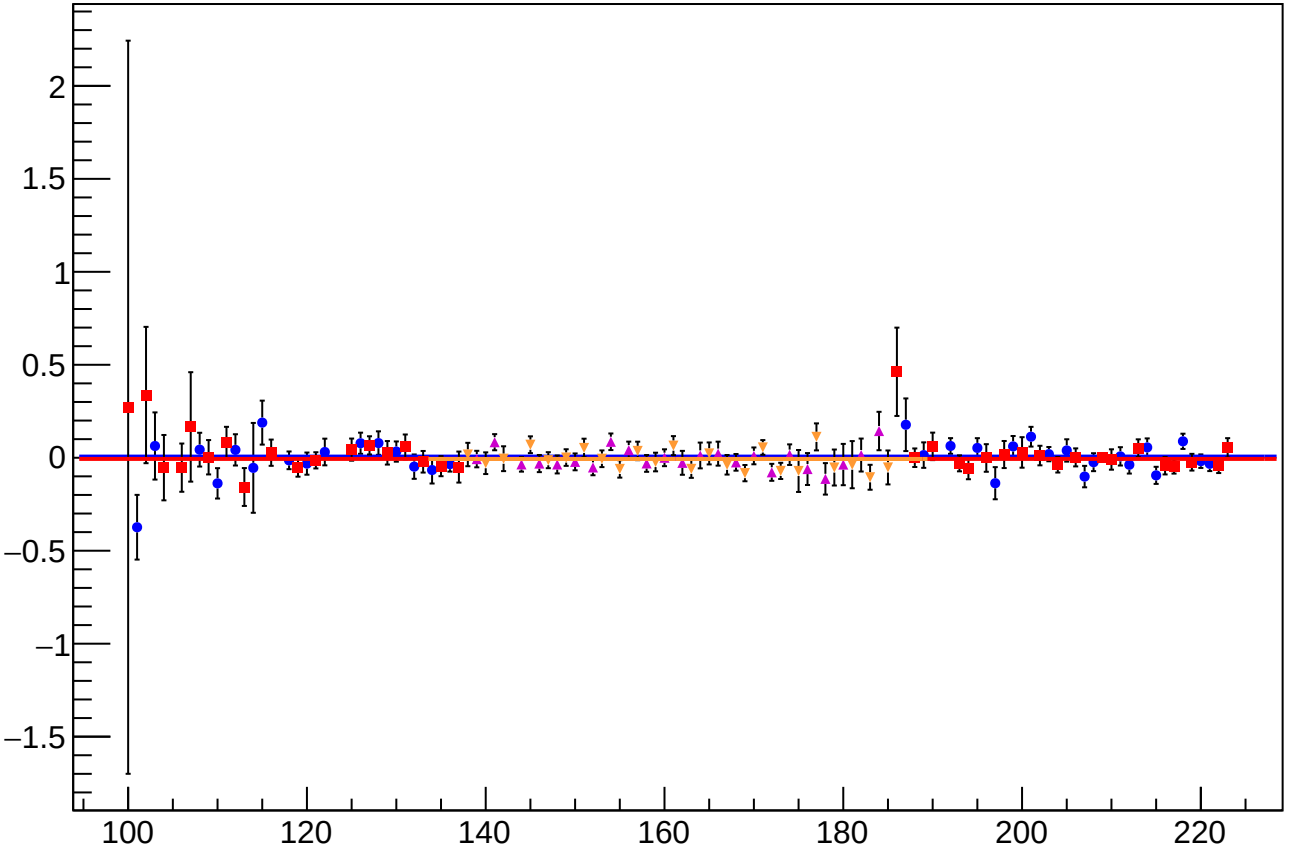
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.041+/-0.005 χ^2/NDF: 4114995.2/57

All: 39.641+/-0.004 χ^2/NDF: 10894041.8/117

- sign 38.336+/-0.005 χ^2/NDF: 6633248.8/59

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 45.7/33

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

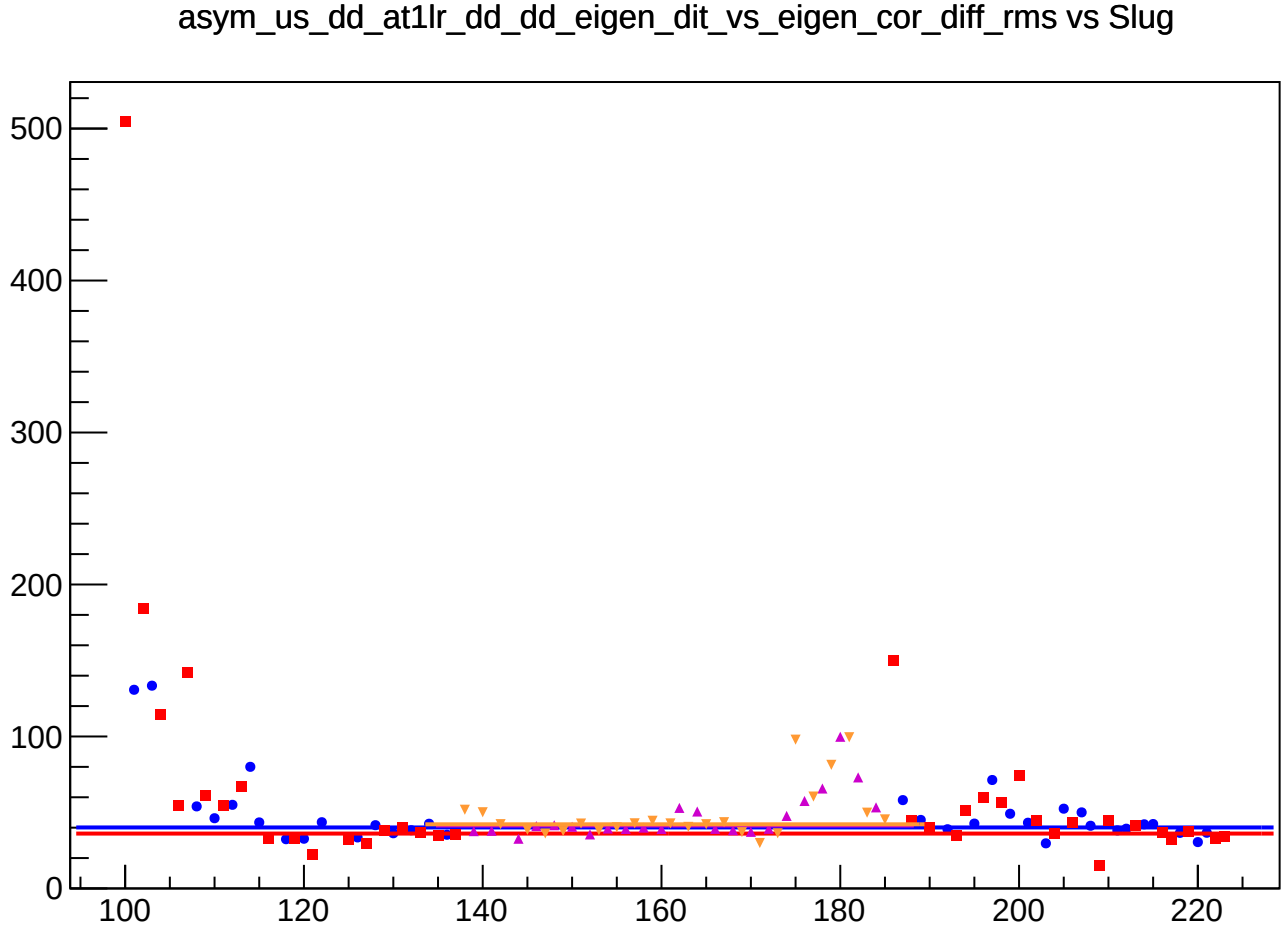
Right Out: -0.006+/-0.009 χ^2/NDF: 23.8/36

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.001+/-0.007 χ^2/NDF: 70.4/57

All: -0.003+/-0.005 χ^2/NDF: 114.7/117

- sign -0.006+/-0.007 χ^2/NDF: 43.8/59



Right In: 40.141+/-0.007 χ^2/NDF: 2255157.3/33

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

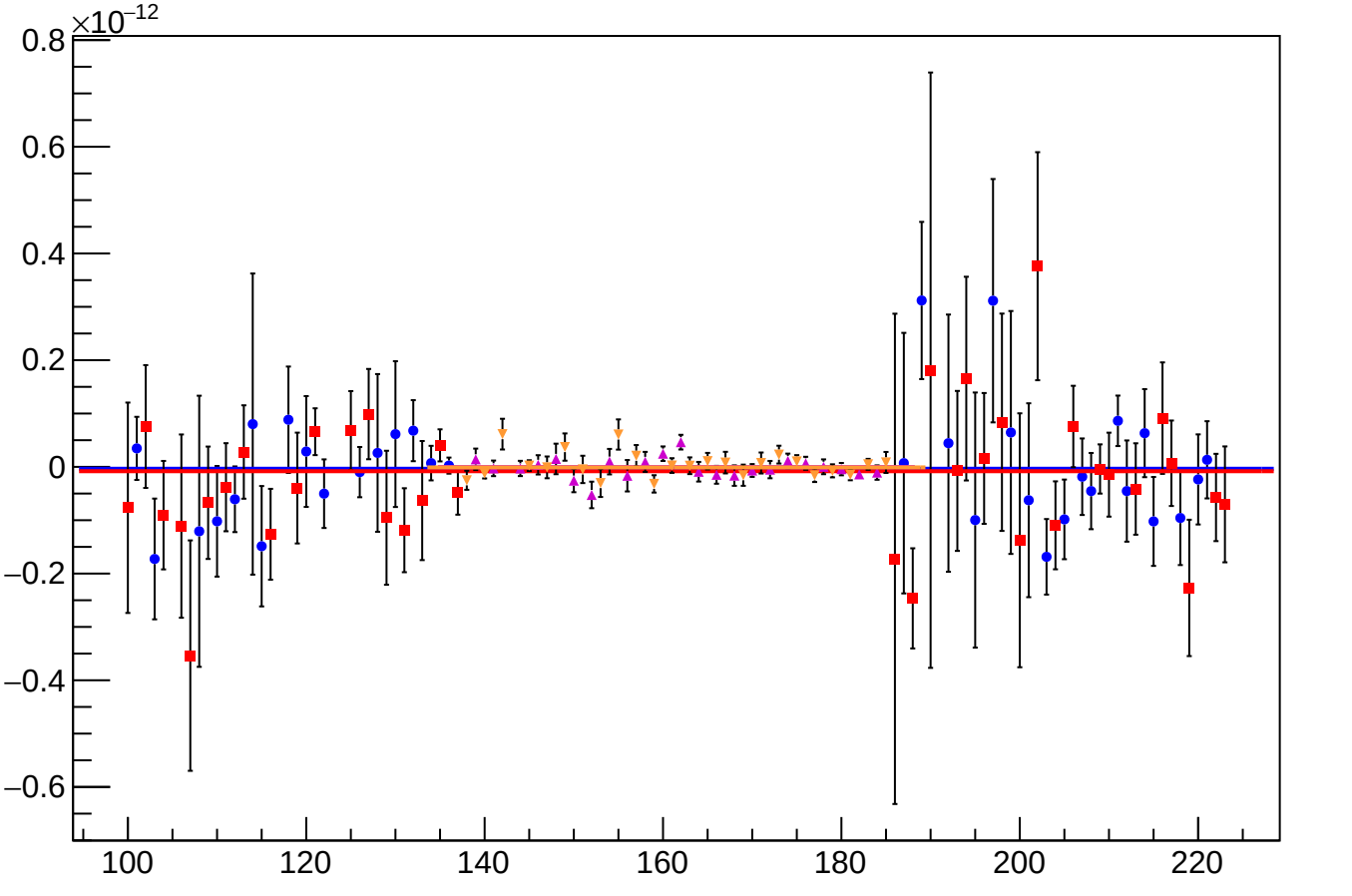
Right Out: 36.110+/-0.006 χ^2/NDF: 4937374.9/36

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.041+/-0.005 χ^2/NDF: 4114995.2/57

All: 39.641+/-0.004 χ^2/NDF: 10894041.8/117

- sign 38.336+/-0.005 χ^2/NDF: 6633248.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

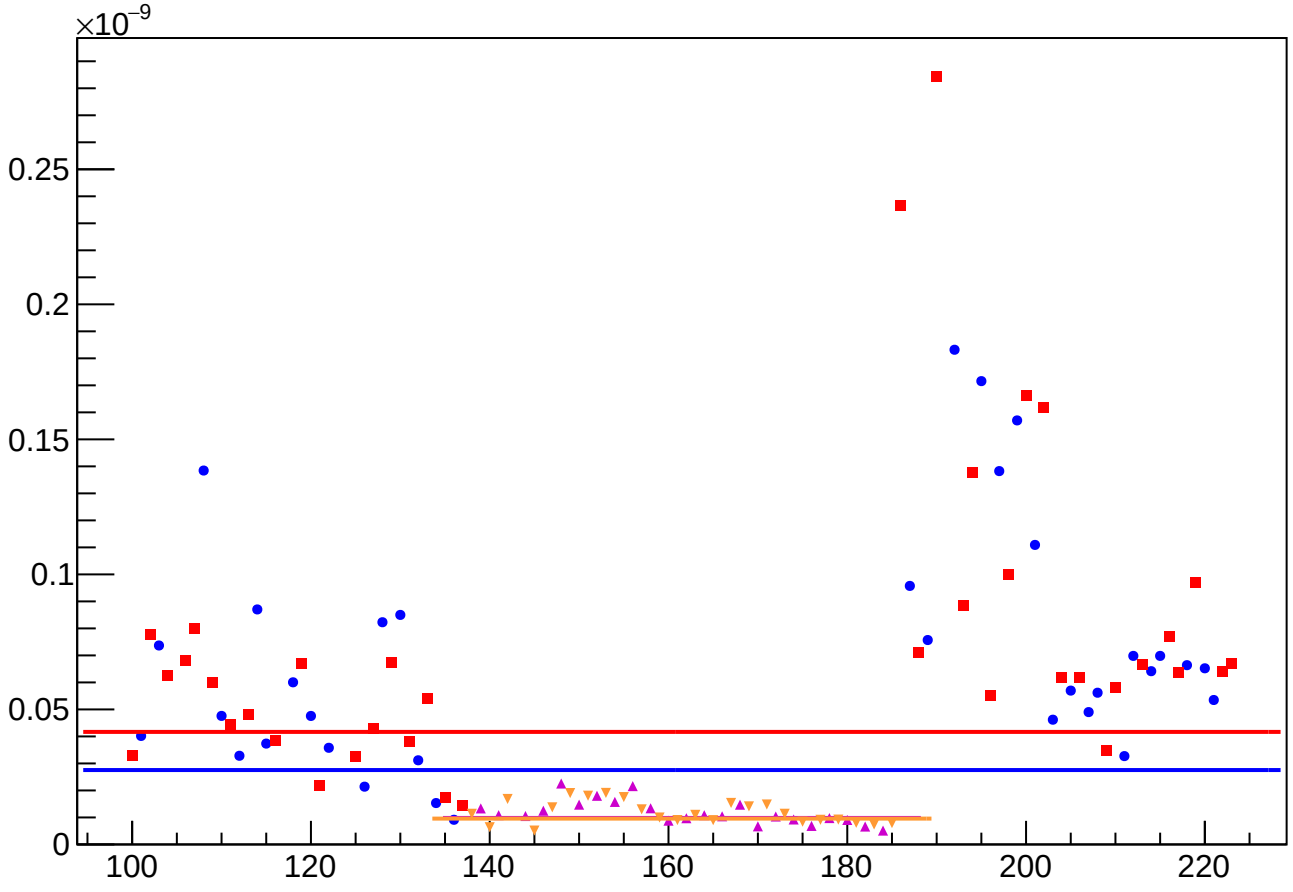
Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/36

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.9/57

All: -0.000+/-0.000 χ^2/NDF: 126.9/117

- sign -0.000+/-0.000 χ^2/NDF: 66.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 12053430.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7907950.9/36

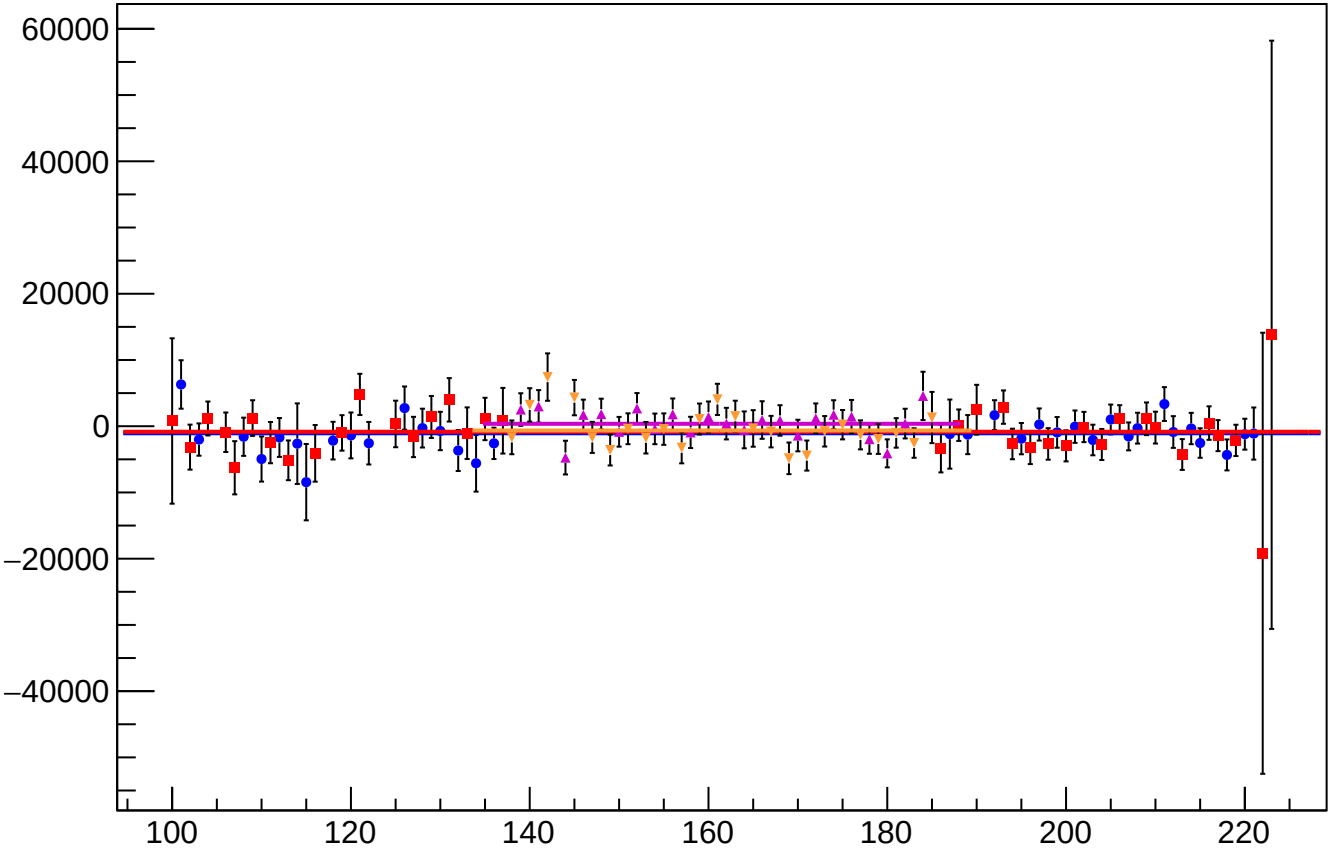
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 20258261.7/57

All: 0.000+/-0.000 χ^2/NDF: 41273205.7/117

- sign 0.000+/-0.000 χ^2/NDF: 20992284.9/59

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1065.442+/-467.339 χ^2/NDF: 20.1/33

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -833.110+/-470.215 χ^2/NDF: 25.5/36

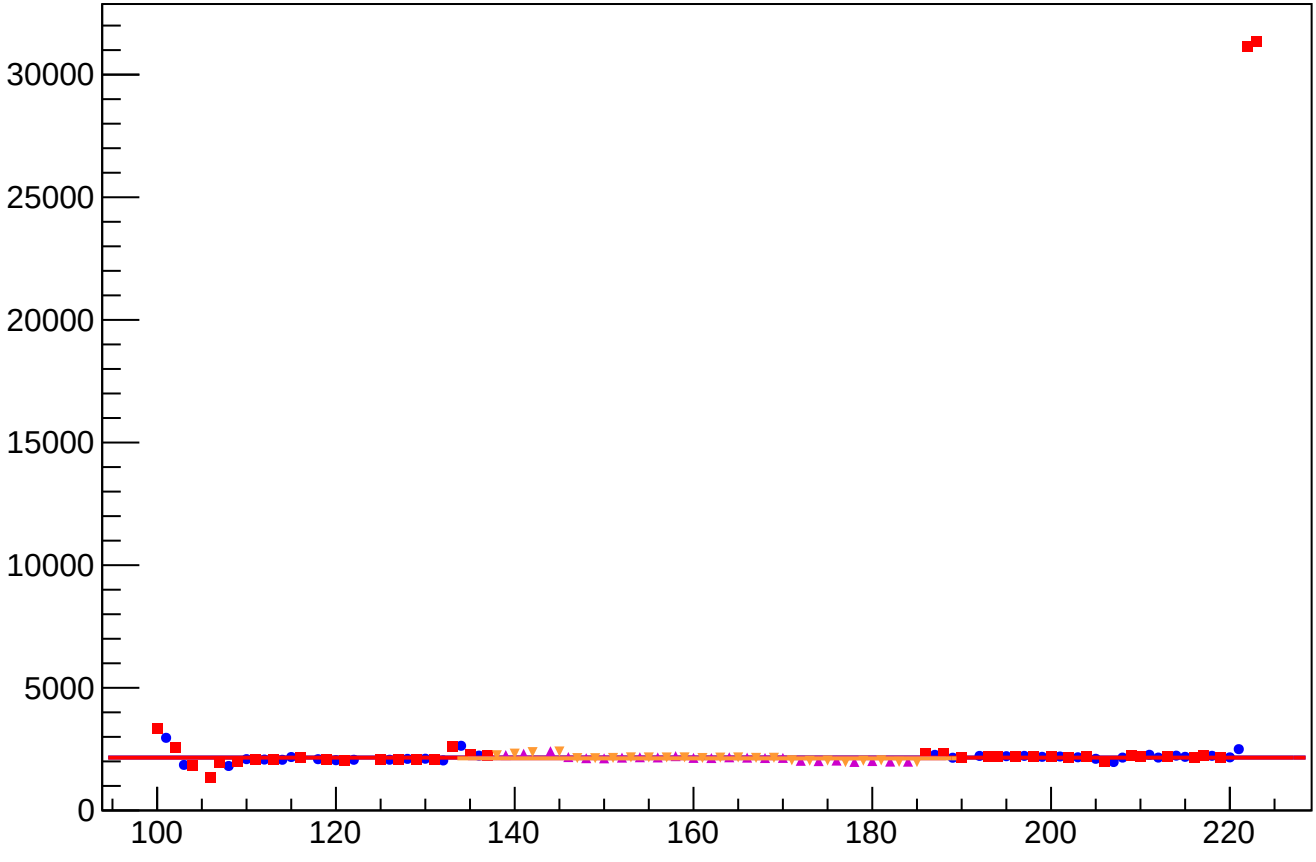
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -866.175+/-339.389 χ^2/NDF: 47.6/57

All: -568.986+/-240.853 χ^2/NDF: 95.0/117

- sign -267.456+/-341.859 χ^2/NDF: 45.9/59

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.467+/-0.330 χ^2/NDF: 241254.2/33

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

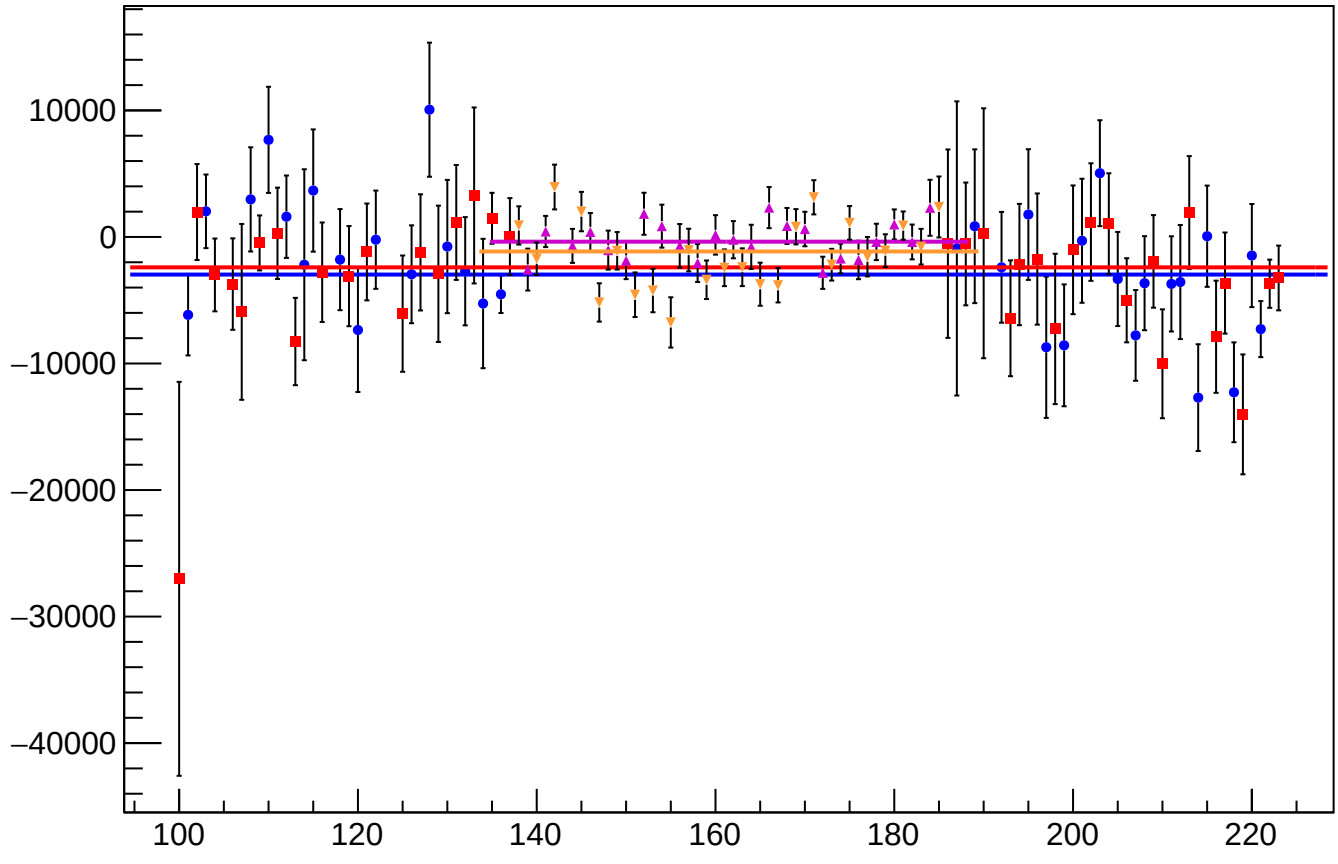
Right Out: 2153.704+/-0.332 χ^2/NDF: 2700335.4/36

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2142.384+/-0.240 χ^2/NDF: 335449.9/57

All: 2142.432+/-0.170 χ^2/NDF: 3123556.9/11

- sign 2142.481+/-0.242 χ^2/NDF: 2788106.9/59



Right In: -2971.598+/-641.262 χ^2/NDF: 50.2/33

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

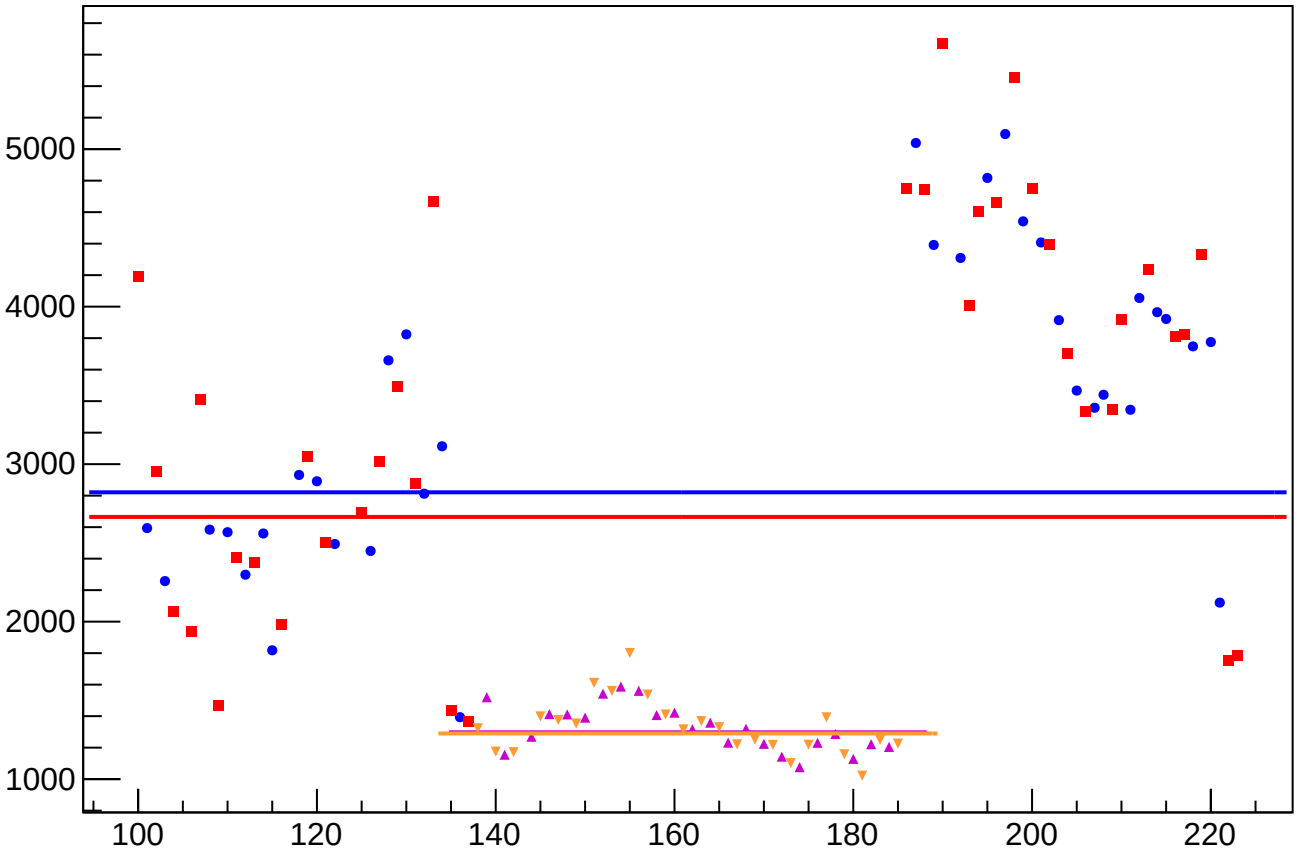
Right Out: -2402.024+/-614.594 χ^2/NDF: 31.1/36

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1477.308+/-273.579 χ^2/NDF: 124.3/57

All: -1126.024+/-193.414 χ^2/NDF: 187.8/117

- sign -774.995+/-273.479 χ^2/NDF: 60.1/59



Right In: 2821.228+/-0.453 χ^2/NDF: 4999683.6/33

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2664.882+/-0.435 χ^2/NDF: 6784616.9/36

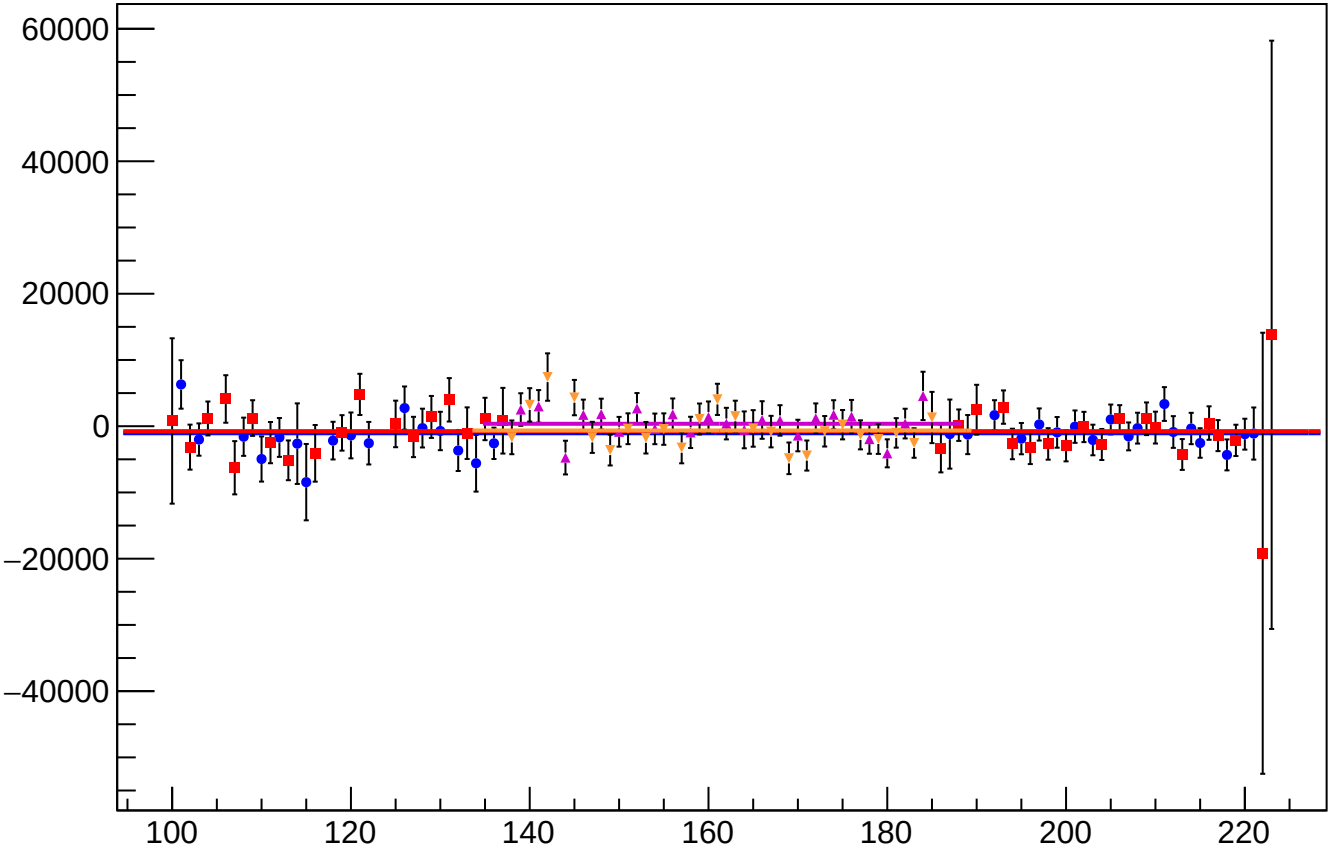
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1568.722+/-0.193 χ^2/NDF: 14895247.7/57

All: 1568.465+/-0.137 χ^2/NDF: 30054136.8/1

- sign 1568.209+/-0.193 χ^2/NDF: 15158885.6/59

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1065.449+/-467.339 χ^2/NDF: 20.1/33

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -745.696+/-472.040 χ^2/NDF: 27.4/36

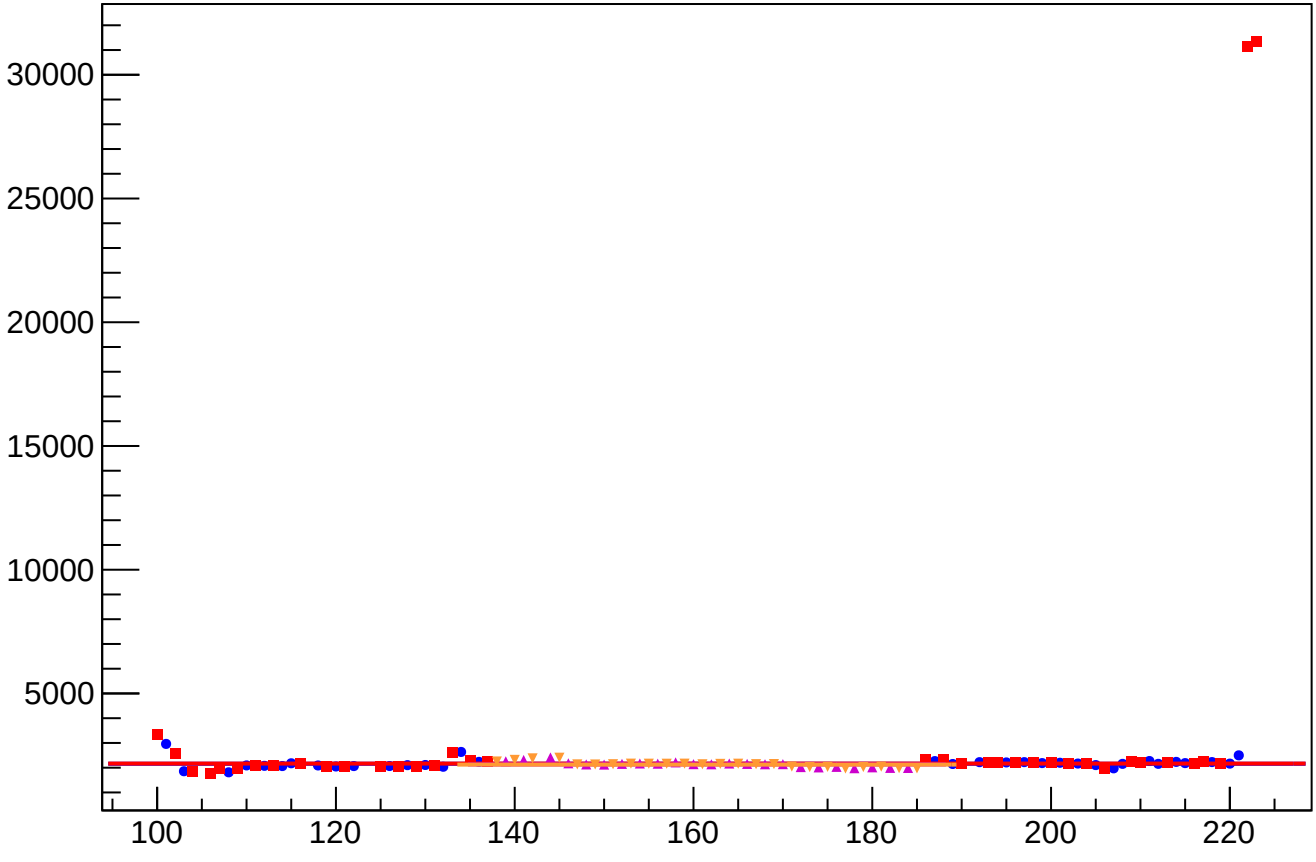
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -866.114+/-339.389 χ^2/NDF: 47.6/57

All: -545.641+/-241.097 χ^2/NDF: 96.7/117

- sign -219.156+/-342.559 χ^2/NDF: 47.3/59

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.467+/-0.330 χ^2/NDF: 241254.5/33

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

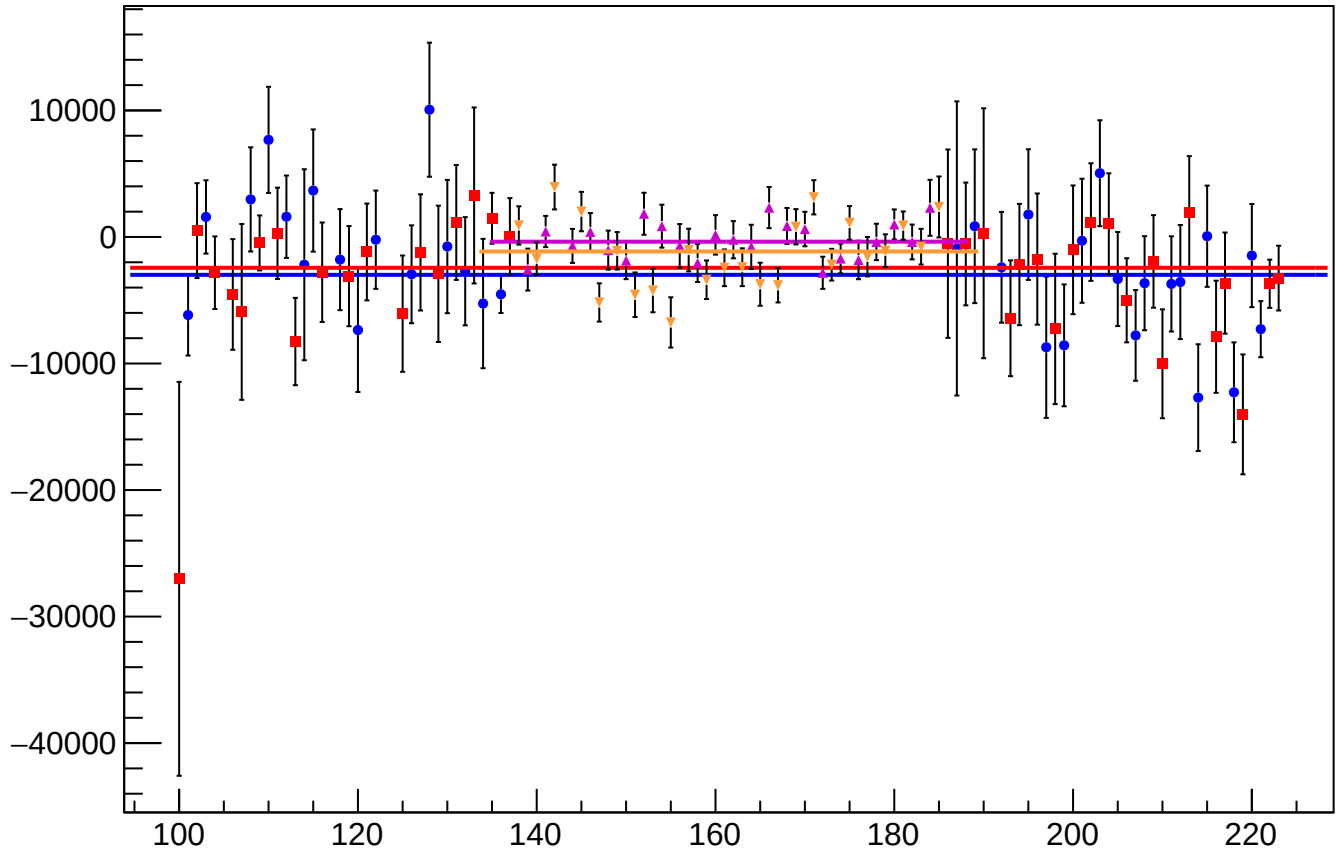
Right Out: 2166.713+/-0.334 χ^2/NDF: 2581819.6/36

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2142.384+/-0.240 χ^2/NDF: 335450.2/57

All: 2145.803+/-0.170 χ^2/NDF: 3008793.0/11

- sign 2149.286+/-0.242 χ^2/NDF: 2672933.1/59



Right In: -2992.259+/-641.156 χ^2/NDF: 49.7/33

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

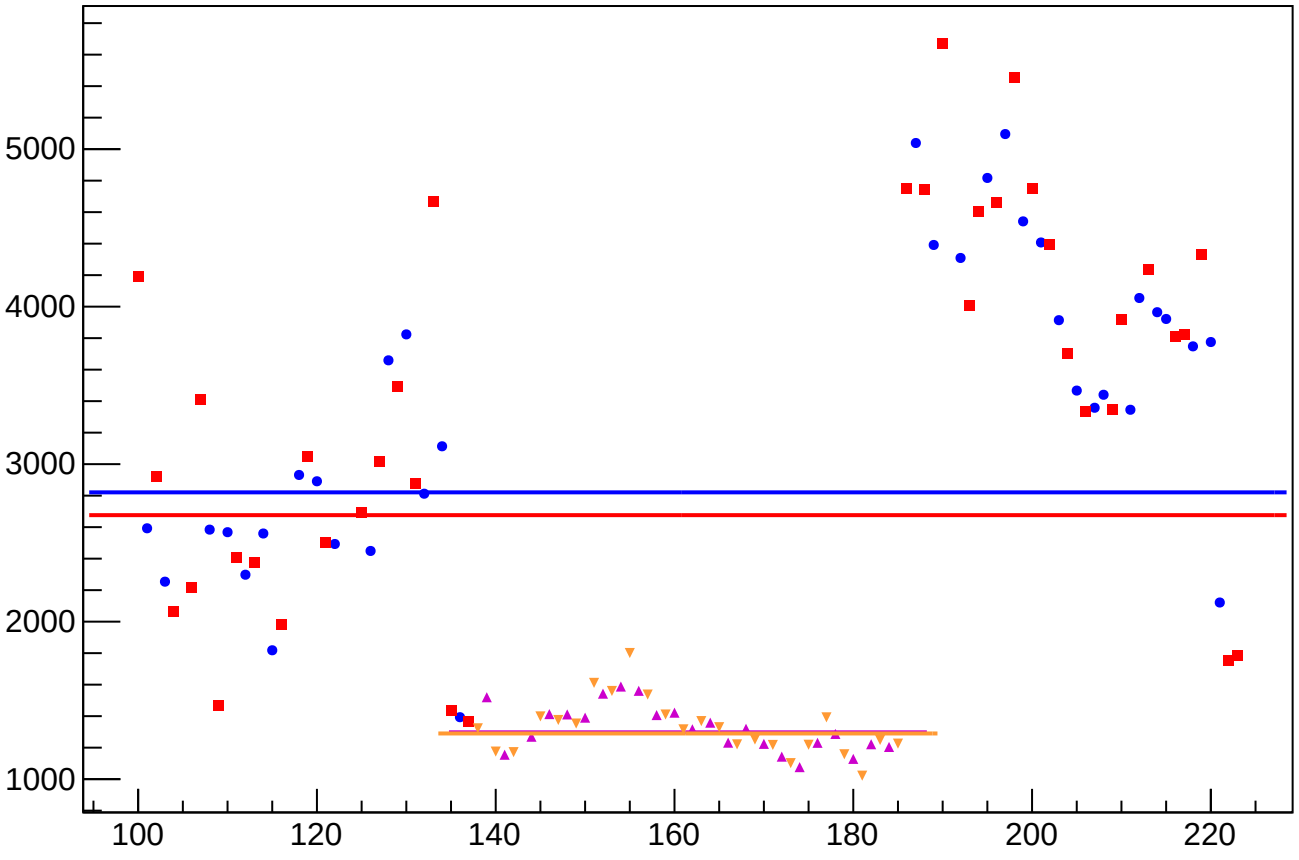
Right Out: -2435.922+/-617.176 χ^2/NDF: 30.4/36

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1481.133+/-273.572 χ^2/NDF: 124.0/57

All: -1130.176+/-193.492 χ^2/NDF: 187.0/117

- sign -778.876+/-273.706 χ^2/NDF: 59.7/59



Right In: 2820.899+/-0.453 χ^2/NDF: 5000771.5/33

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

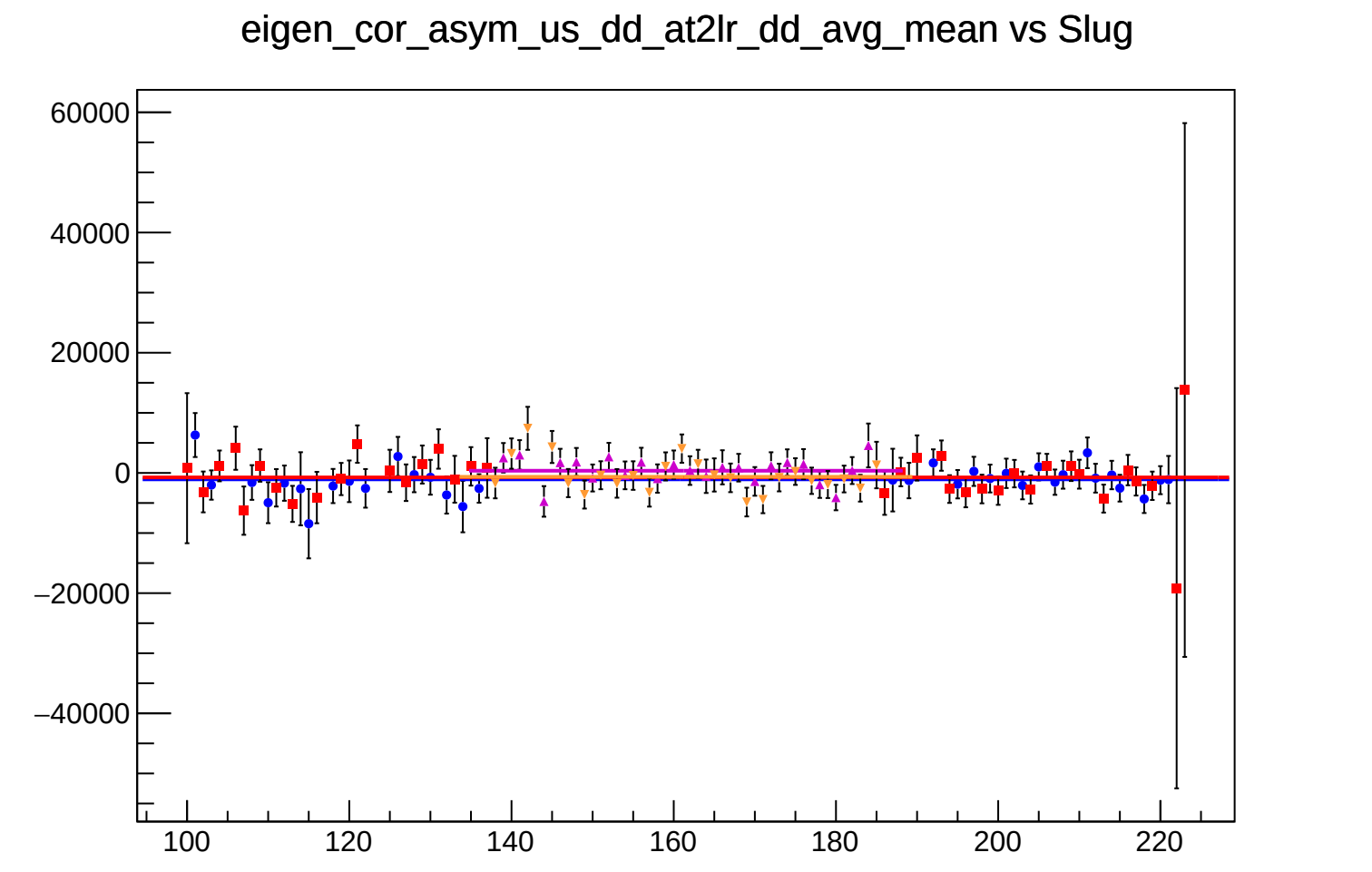
Right Out: 2676.196+/-0.436 χ^2/NDF: 6723720.1/36

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1568.750+/-0.193 χ^2/NDF: 14894609.0/57

All: 1568.686+/-0.137 χ^2/NDF: 30070353.5/1

- sign 1568.622+/-0.194 χ^2/NDF: 15175744.2/59



Right In: -1065.449+/-467.339 χ^2/NDF: 20.1/33

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -745.696+/-472.040 χ^2/NDF: 27.4/36

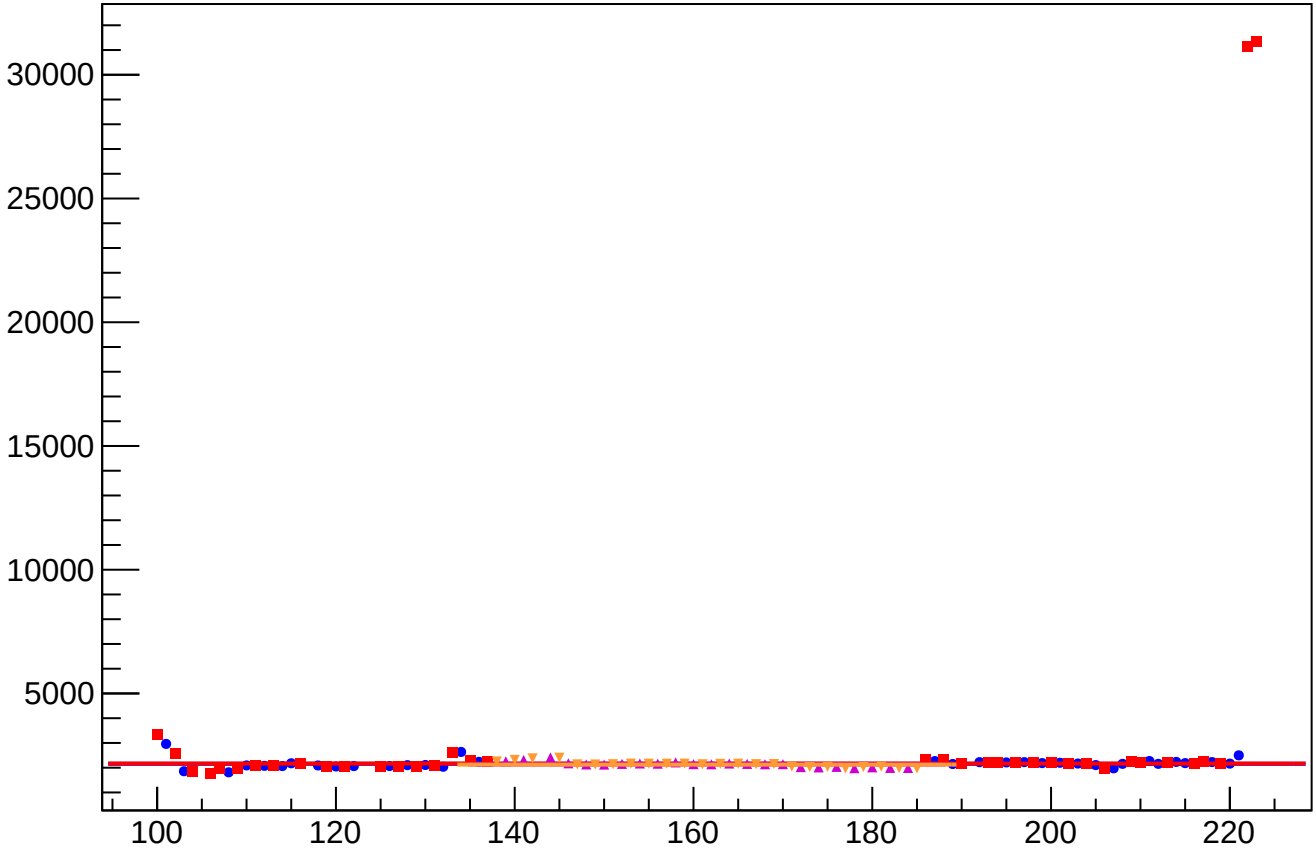
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -866.114+/-339.389 χ^2/NDF: 47.6/57

All: -545.641+/-241.097 χ^2/NDF: 96.7/117

- sign -219.156+/-342.559 χ^2/NDF: 47.3/59

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.467+/-0.330 χ^2/NDF: 241254.5/33

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

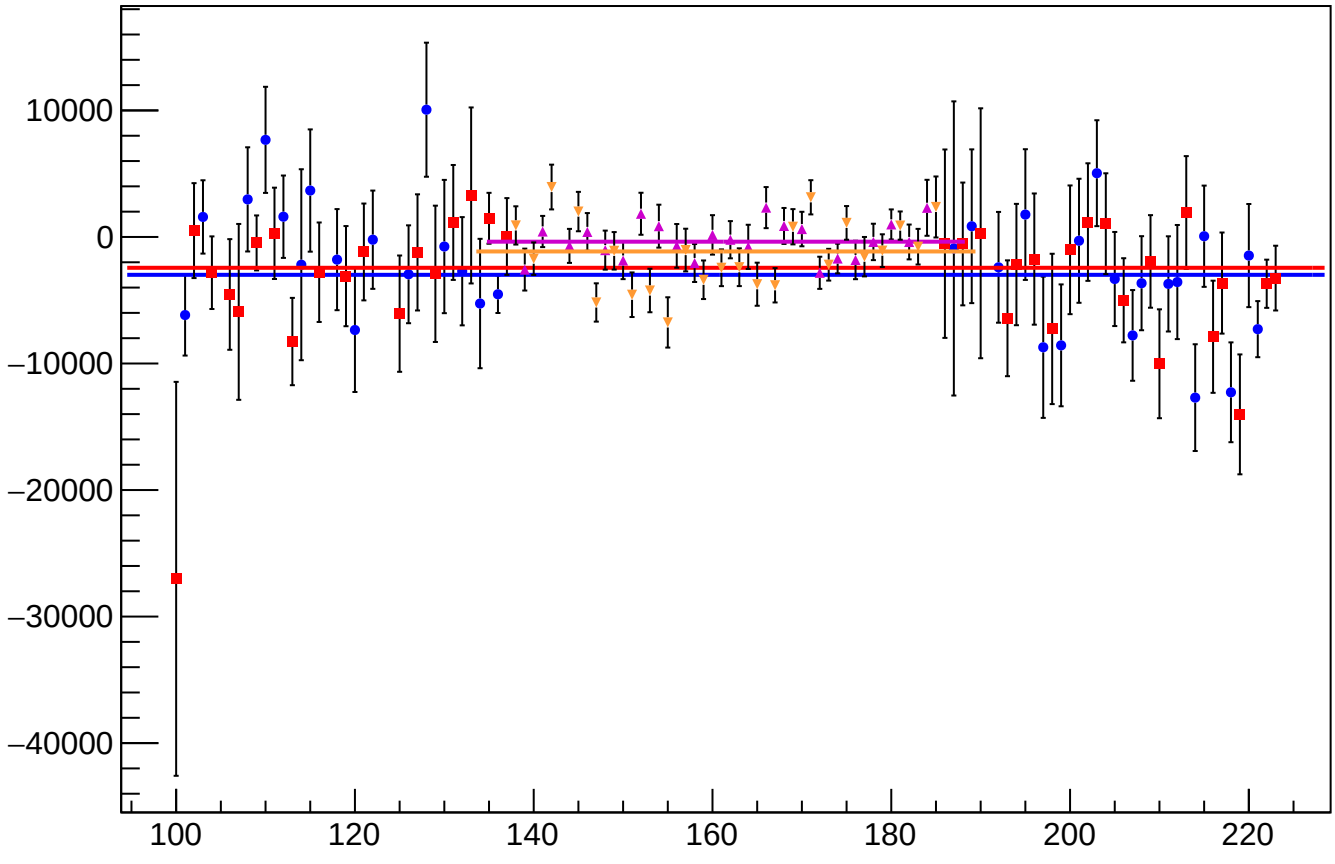
Right Out: 2166.713+/-0.334 χ^2/NDF: 2581819.6/36

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2142.384+/-0.240 χ^2/NDF: 335450.2/57

All: 2145.803+/-0.170 χ^2/NDF: 3008793.0/11

- sign 2149.286+/-0.242 χ^2/NDF: 2672933.1/59



Right In: -2992.259+/-641.156 χ^2/NDF: 49.7/33

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

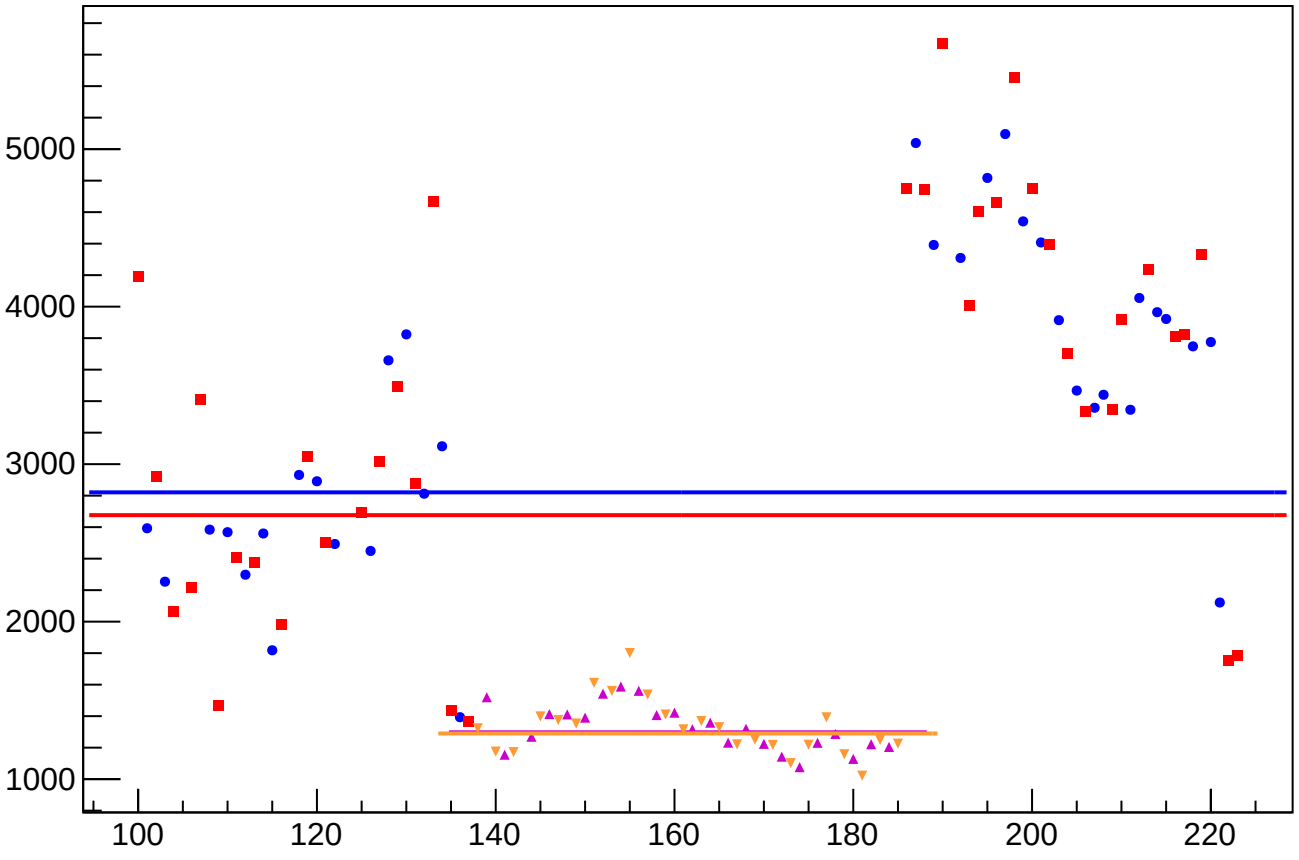
Right Out: -2435.922+/-617.176 χ^2/NDF: 30.4/36

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1481.133+/-273.572 χ^2/NDF: 124.0/57

All: -1130.176+/-193.492 χ^2/NDF: 187.0/117

- sign -778.876+/-273.706 χ^2/NDF: 59.7/59



Right In: 2820.899+/-0.453 χ^2/NDF: 5000771.5/33

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2676.196+/-0.436 χ^2/NDF: 6723720.1/36

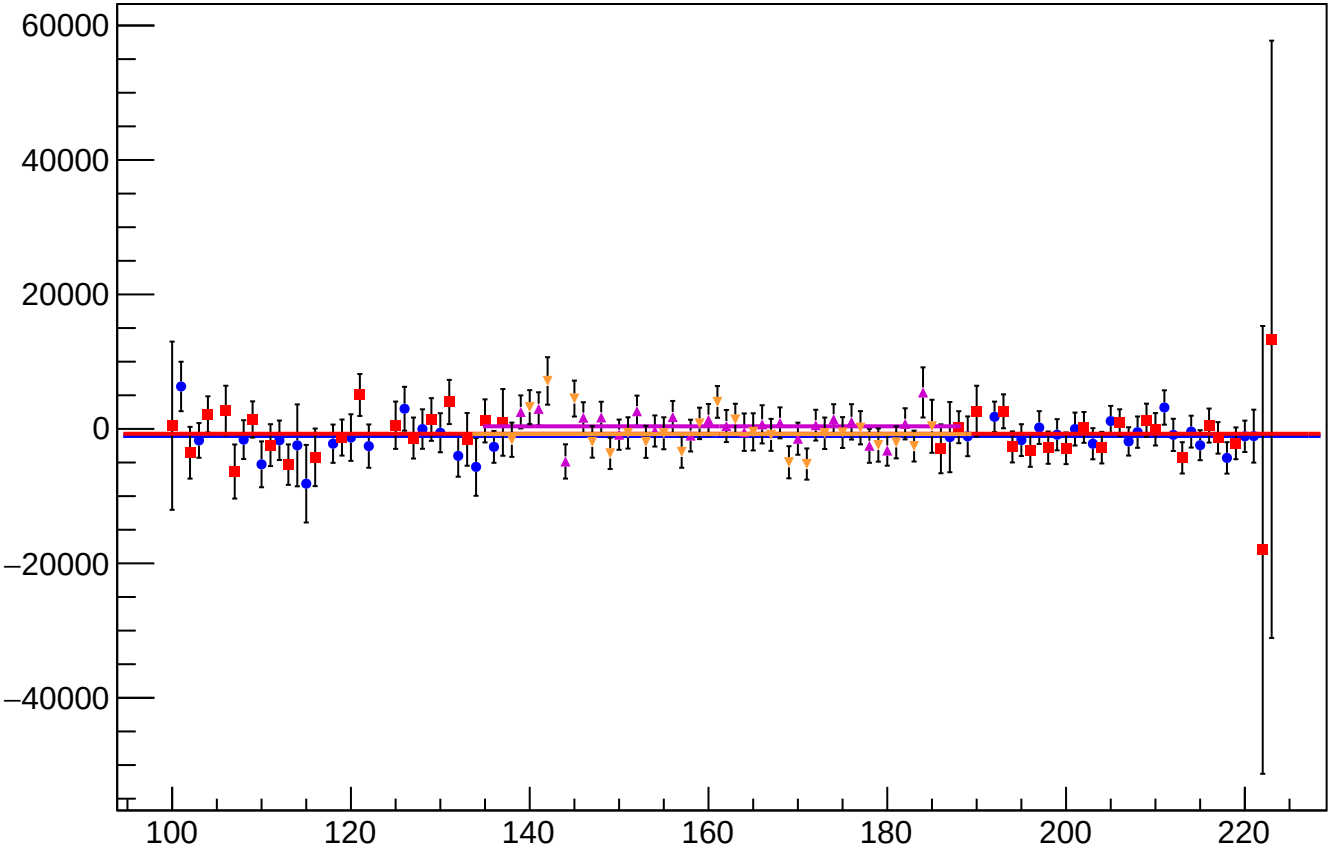
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1568.750+/-0.193 χ^2/NDF: 14894609.0/57

All: 1568.686+/-0.137 χ^2/NDF: 30070353.5/1

- sign 1568.622+/-0.194 χ^2/NDF: 15175744.2/59

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1052.992+/-469.051 χ^2/NDF: 20.5/33

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -721.623+/-474.927 χ^2/NDF: 27.3/36

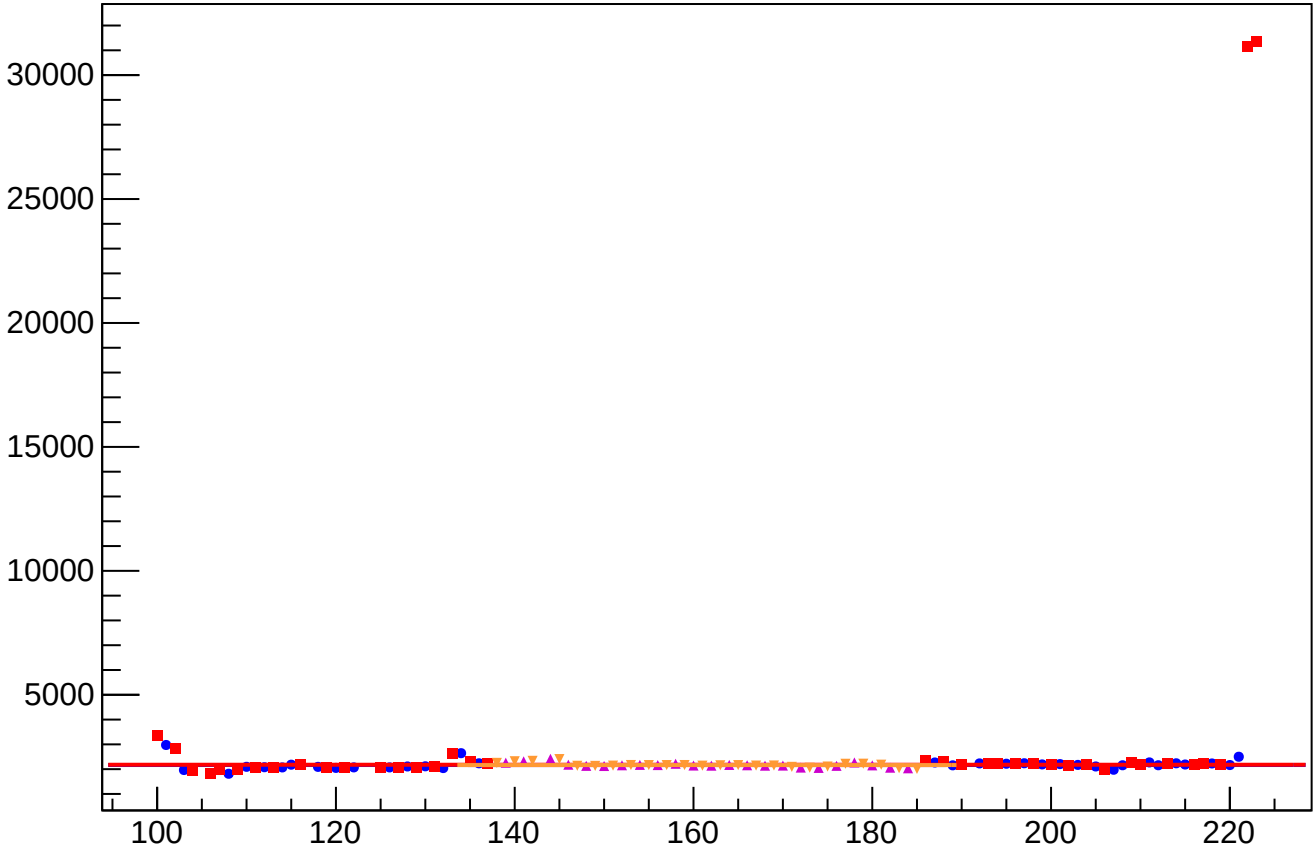
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -922.982+/-342.985 χ^2/NDF: 49.3/57

All: -566.588+/-243.692 χ^2/NDF: 96.9/117

- sign -203.261+/-346.305 χ^2/NDF: 45.5/59

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2166.799+/-0.332 χ^2/NDF: 224518.3/33

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

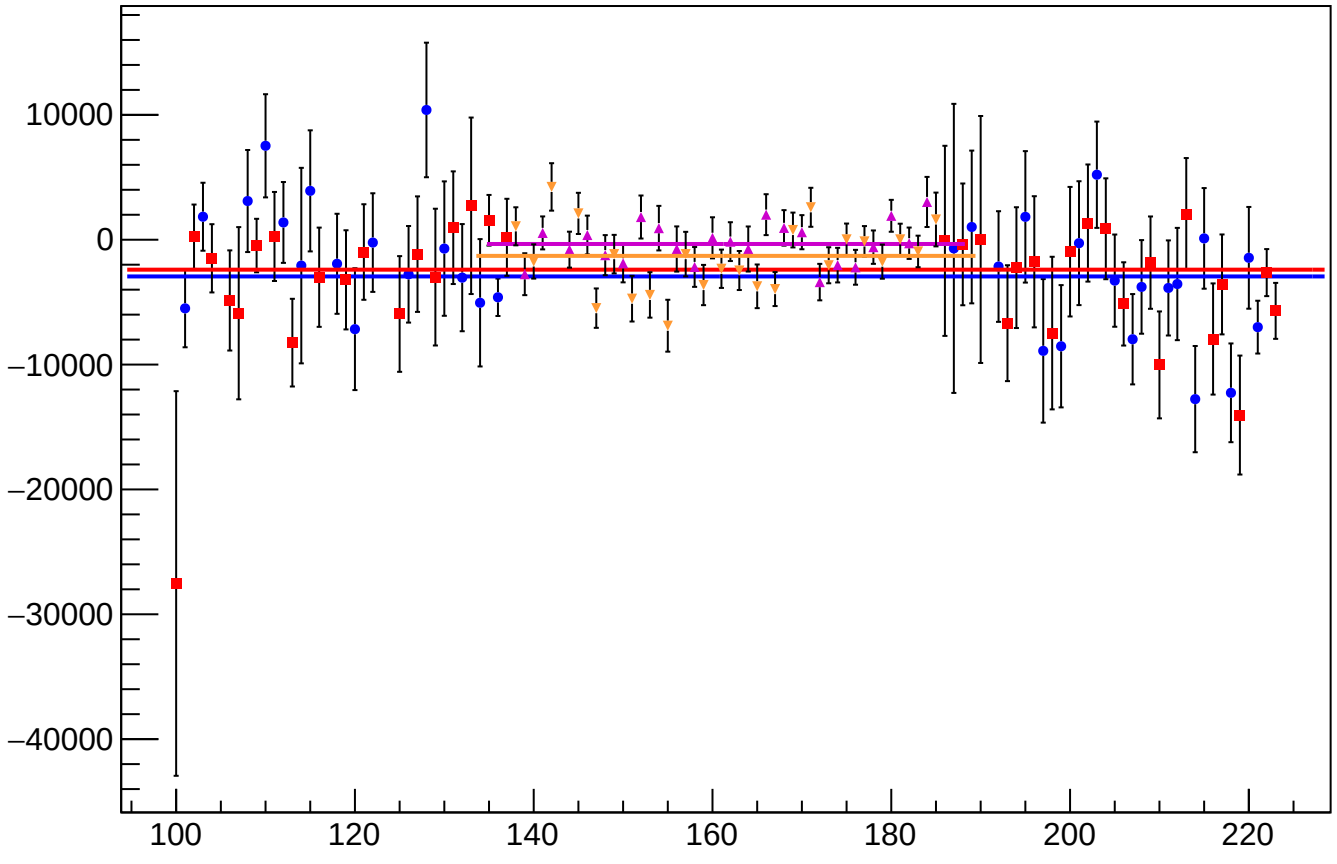
Right Out: 2178.036+/-0.336 χ^2/NDF: 2588031.6/36

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2165.744+/-0.243 χ^2/NDF: 275216.3/57

All: 2168.957+/-0.172 χ^2/NDF: 2916364.4/11

- sign 2172.232+/-0.245 χ^2/NDF: 2640793.7/59



Right In: -2940.379+/-639.437 χ^2/NDF: 50.1/33

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

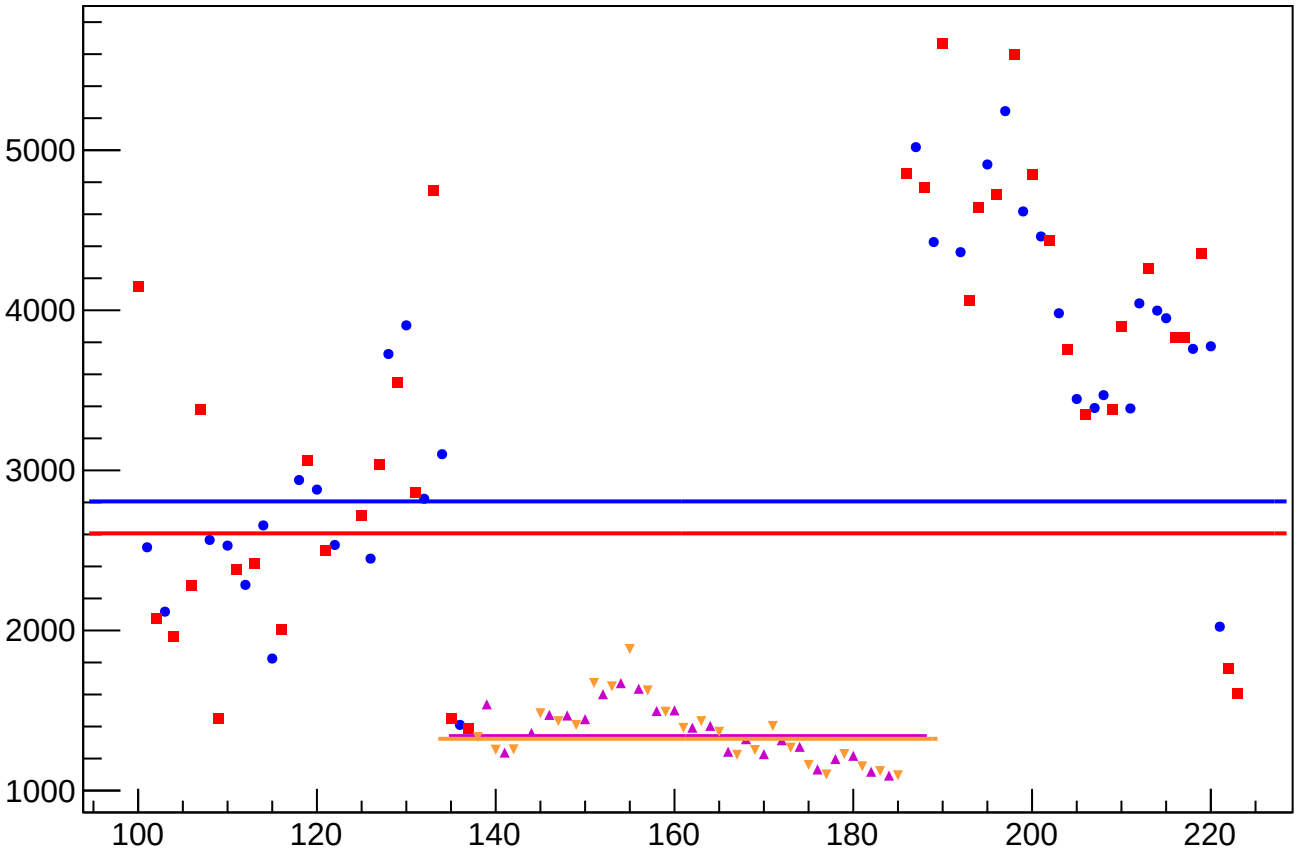
Right Out: -2398.149+/-602.062 χ^2/NDF: 33.0/36

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1608.102+/-279.400 χ^2/NDF: 114.2/57

All: -1196.475+/-197.601 χ^2/NDF: 185.4/117

- sign -784.554+/-279.500 χ^2/NDF: 66.9/59



Right In: 2806.191+/-0.452 χ^2/NDF: 5191596.3/33

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

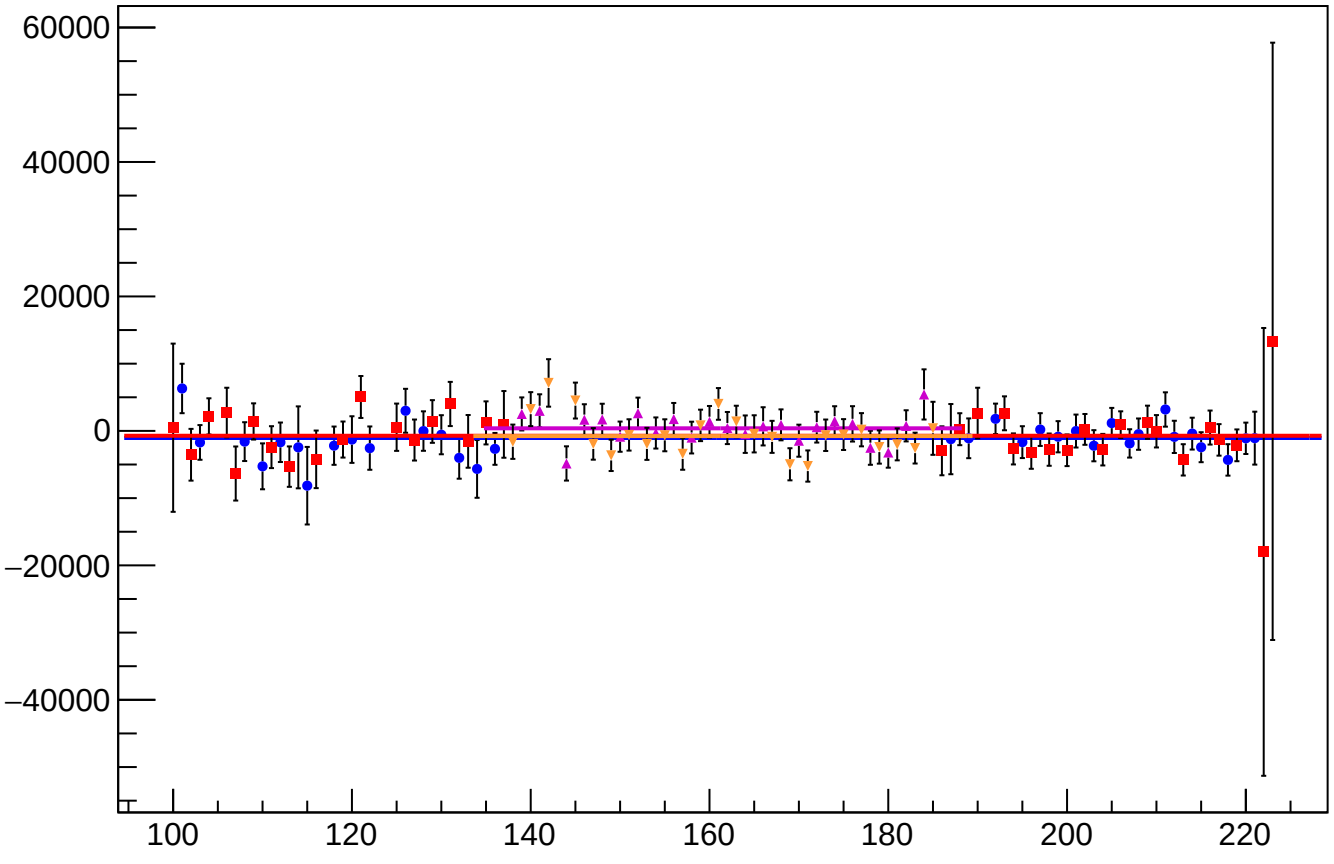
Right Out: 2606.599+/-0.426 χ^2/NDF: 7158020.5/36

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1606.501+/-0.198 χ^2/NDF: 14556735.7/57

All: 1609.769+/-0.140 χ^2/NDF: 29152644.8/1

- sign 1613.040+/-0.198 χ^2/NDF: 14595361.6/59



Right In: -1052.984+/-469.051 χ^2/NDF: 20.5/33

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -721.616+/-474.927 χ^2/NDF: 27.3/36

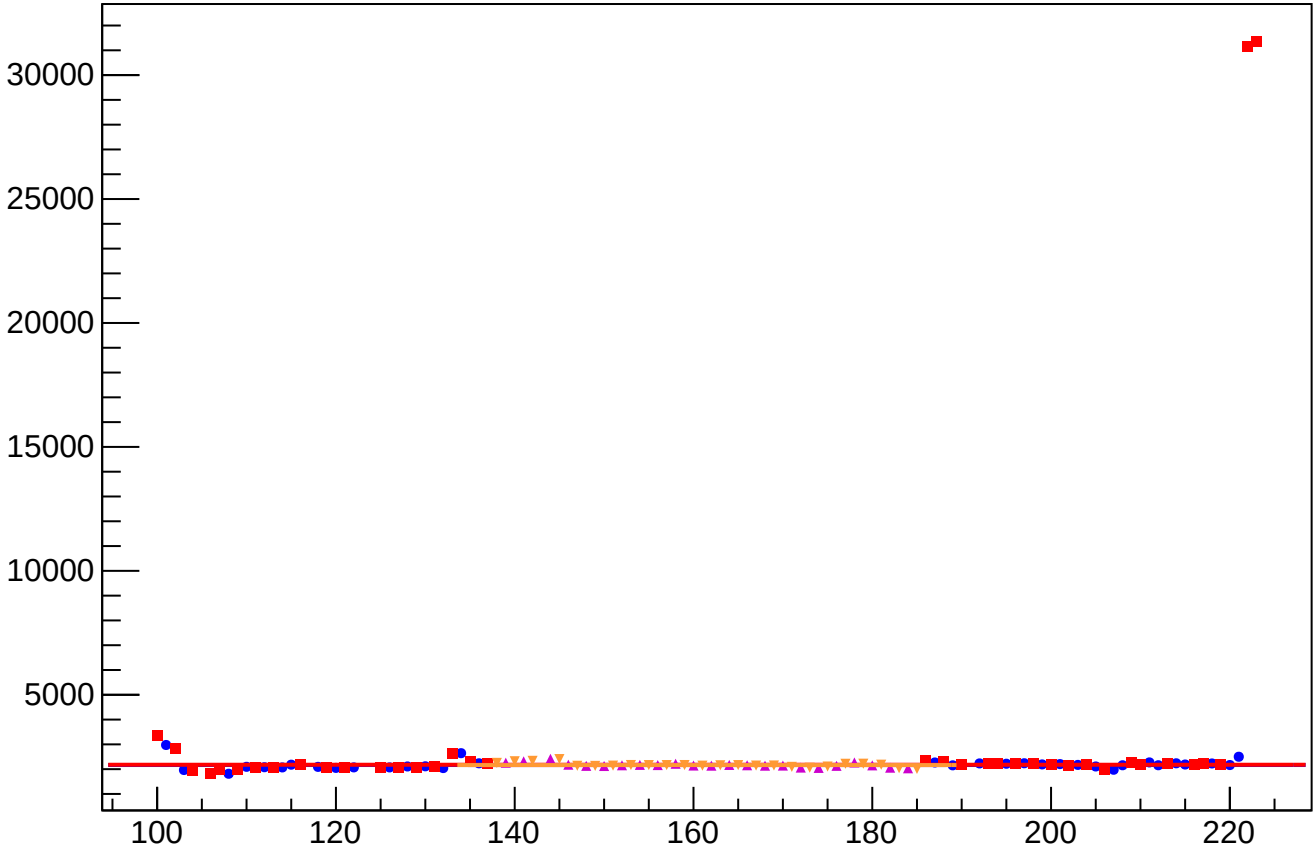
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -922.976+/-342.985 χ^2/NDF: 49.3/57

All: -566.583+/-243.692 χ^2/NDF: 96.9/117

- sign -203.258+/-346.305 χ^2/NDF: 45.5/59

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2166.799+/-0.332 χ^2/NDF: 224518.2/33

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

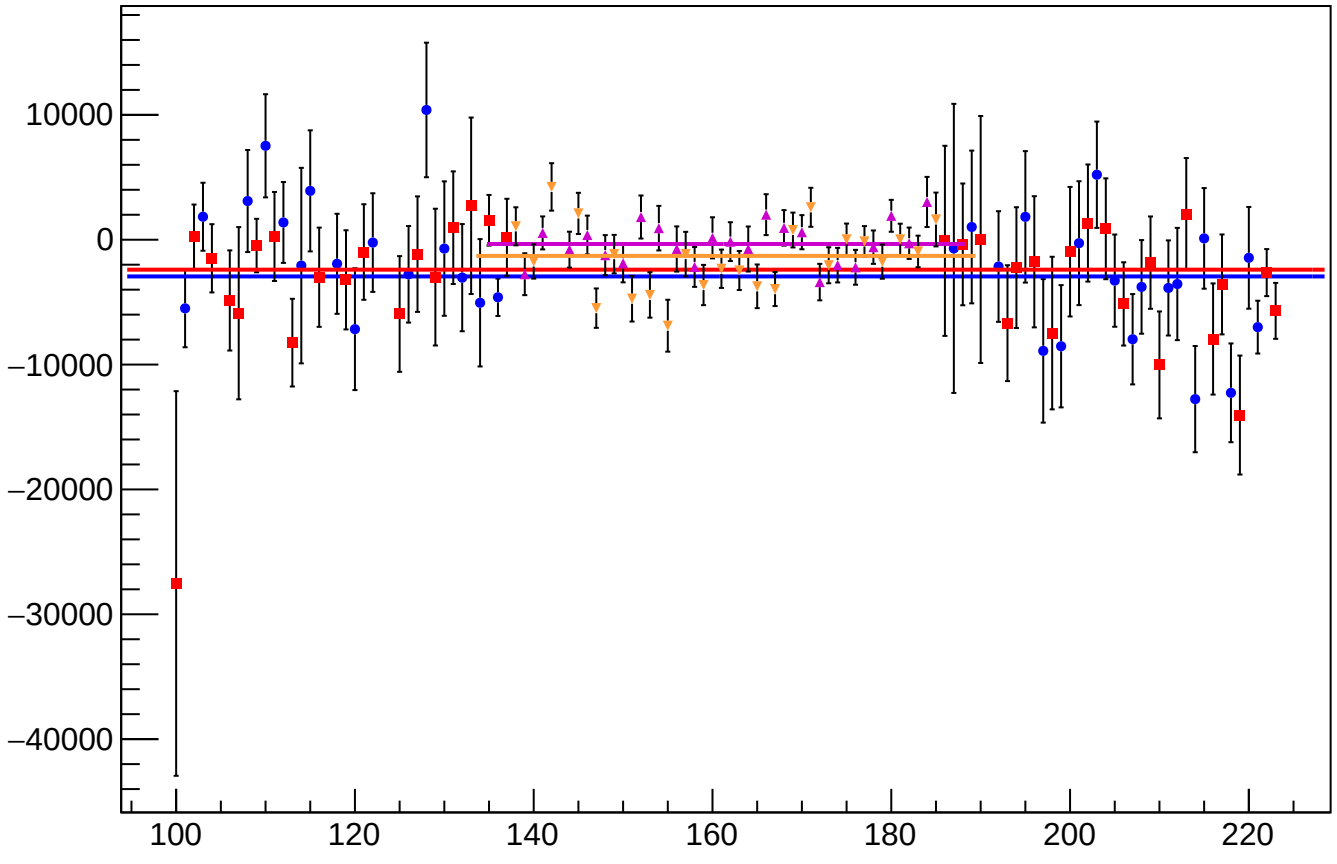
Right Out: 2178.035+/-0.336 χ^2/NDF: 2588031.5/36

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2165.744+/-0.243 χ^2/NDF: 275216.3/57

All: 2168.957+/-0.172 χ^2/NDF: 2916364.4/11

- sign 2172.232+/-0.245 χ^2/NDF: 2640793.7/59



Right In: -2940.377+/-639.438 χ^2/NDF: 50.1/33

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

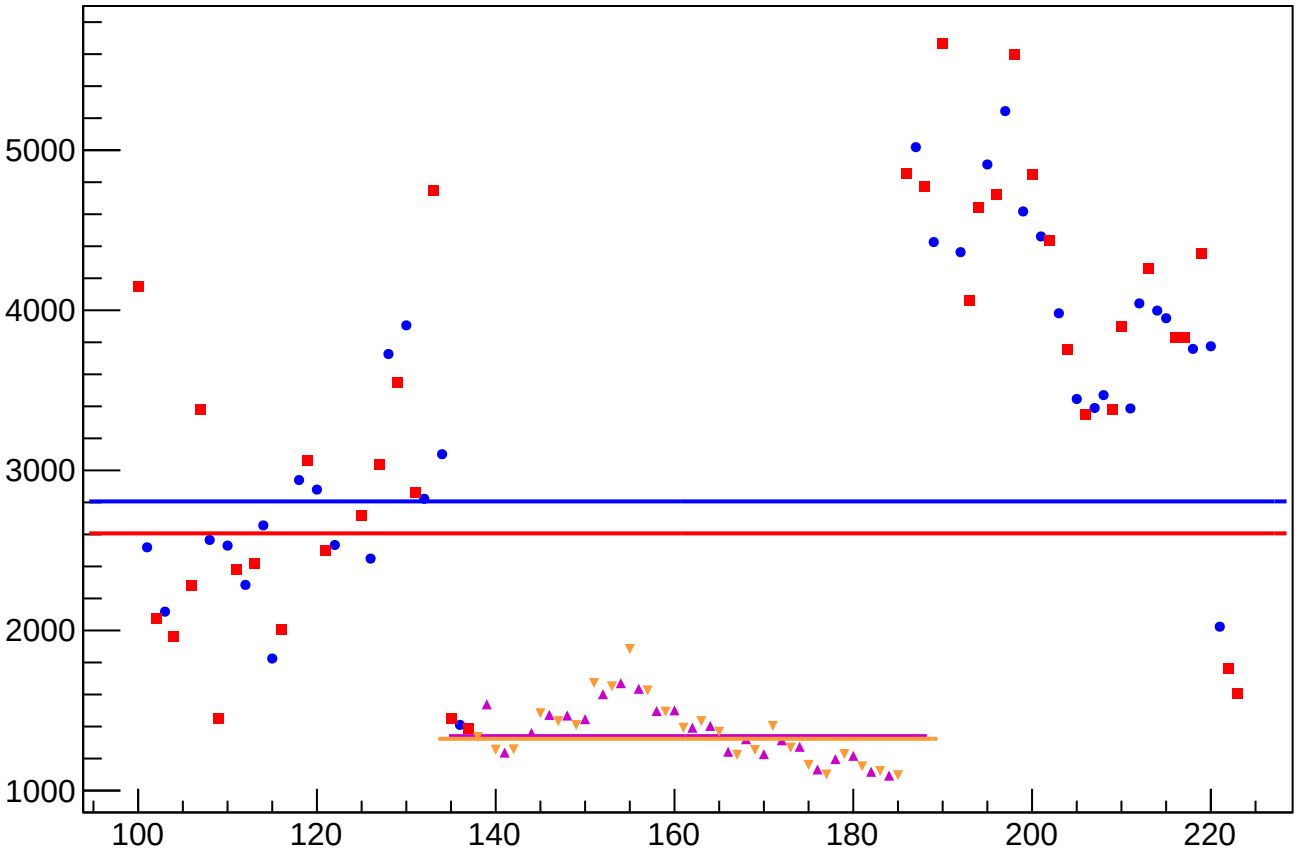
Right Out: -2398.158+/-602.063 χ^2/NDF: 33.0/36

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1608.101+/-279.400 χ^2/NDF: 114.2/57

All: -1196.473+/-197.601 χ^2/NDF: 185.4/117

- sign -784.551+/-279.500 χ^2/NDF: 66.9/59



Right In: 2806.199+/-0.452 χ^2/NDF: 5191483.3/33

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2606.609+/-0.426 χ^2/NDF: 7157929.1/36

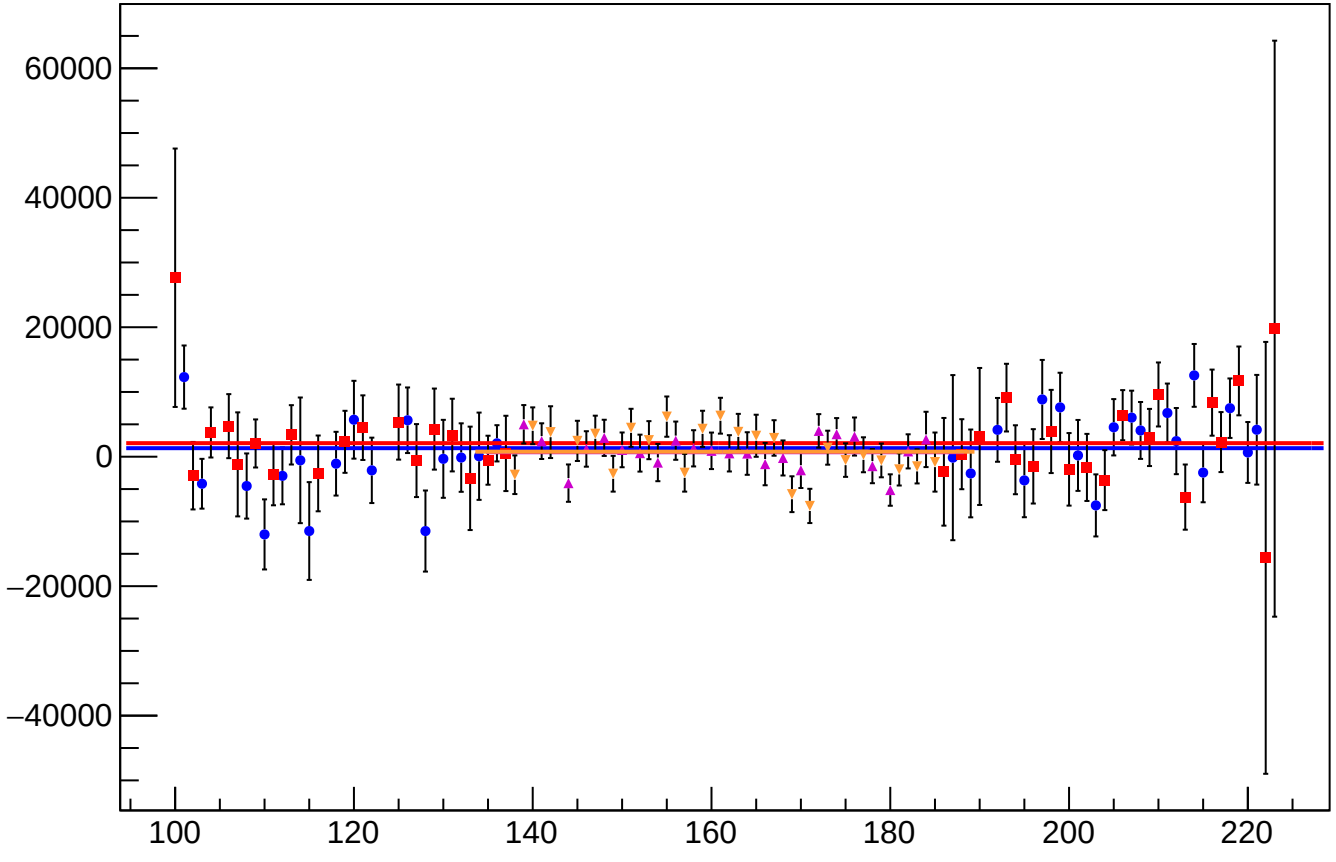
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1606.502+/-0.198 χ^2/NDF: 14556700.1/57

All: 1609.769+/-0.140 χ^2/NDF: 29152623.5/1

- sign 1613.039+/-0.198 χ^2/NDF: 14595376.1/59

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 1315.775+/-866.211 χ^2/NDF: 44.2/33

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 2092.094+/-879.488 χ^2/NDF: 23.9/36

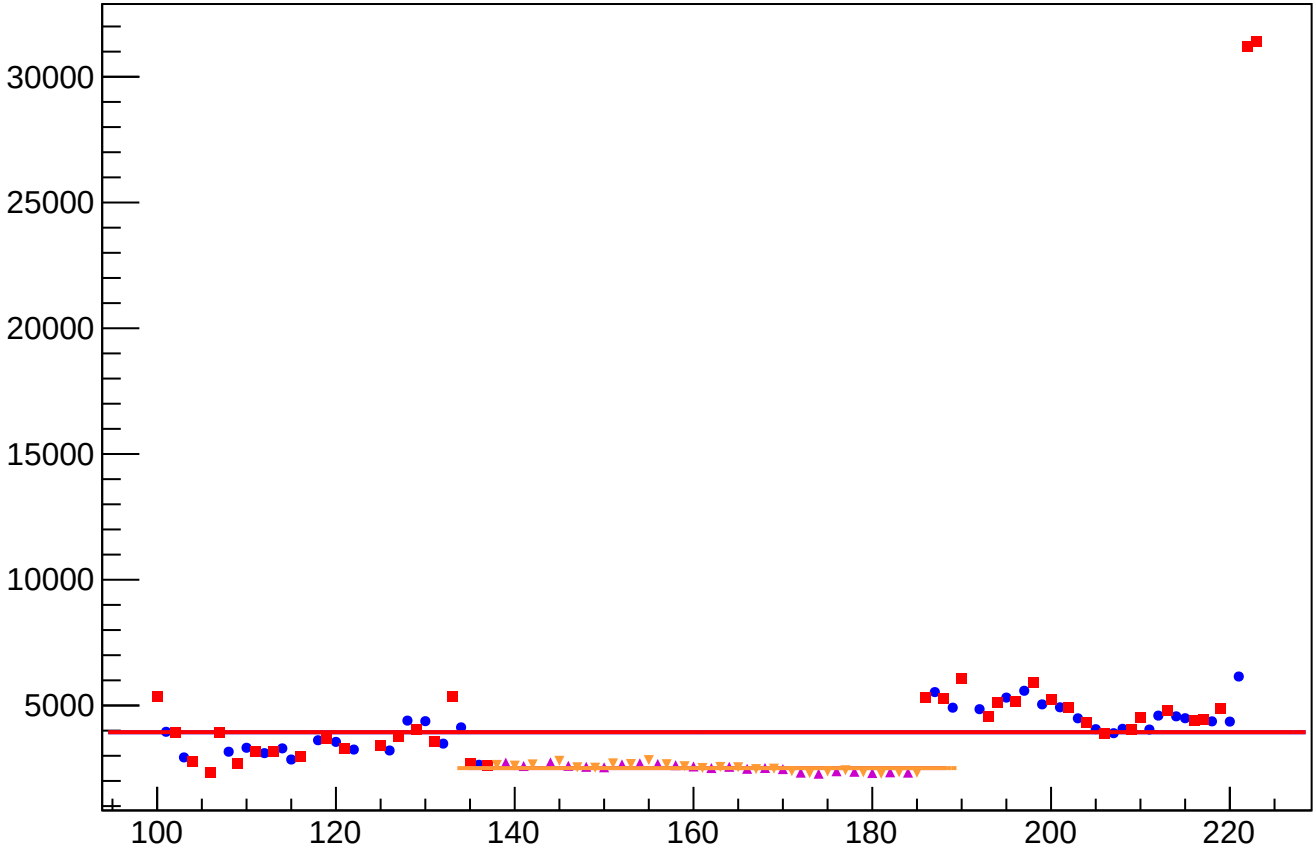
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 943.724+/-484.052 χ^2/NDF: 83.8/57

All: 1032.309+/-343.834 χ^2/NDF: 127.9/117

- sign 1122.526+/-488.488 χ^2/NDF: 44.0/59

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3934.772+/-0.613 χ^2/NDF: 1746197.0/33

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

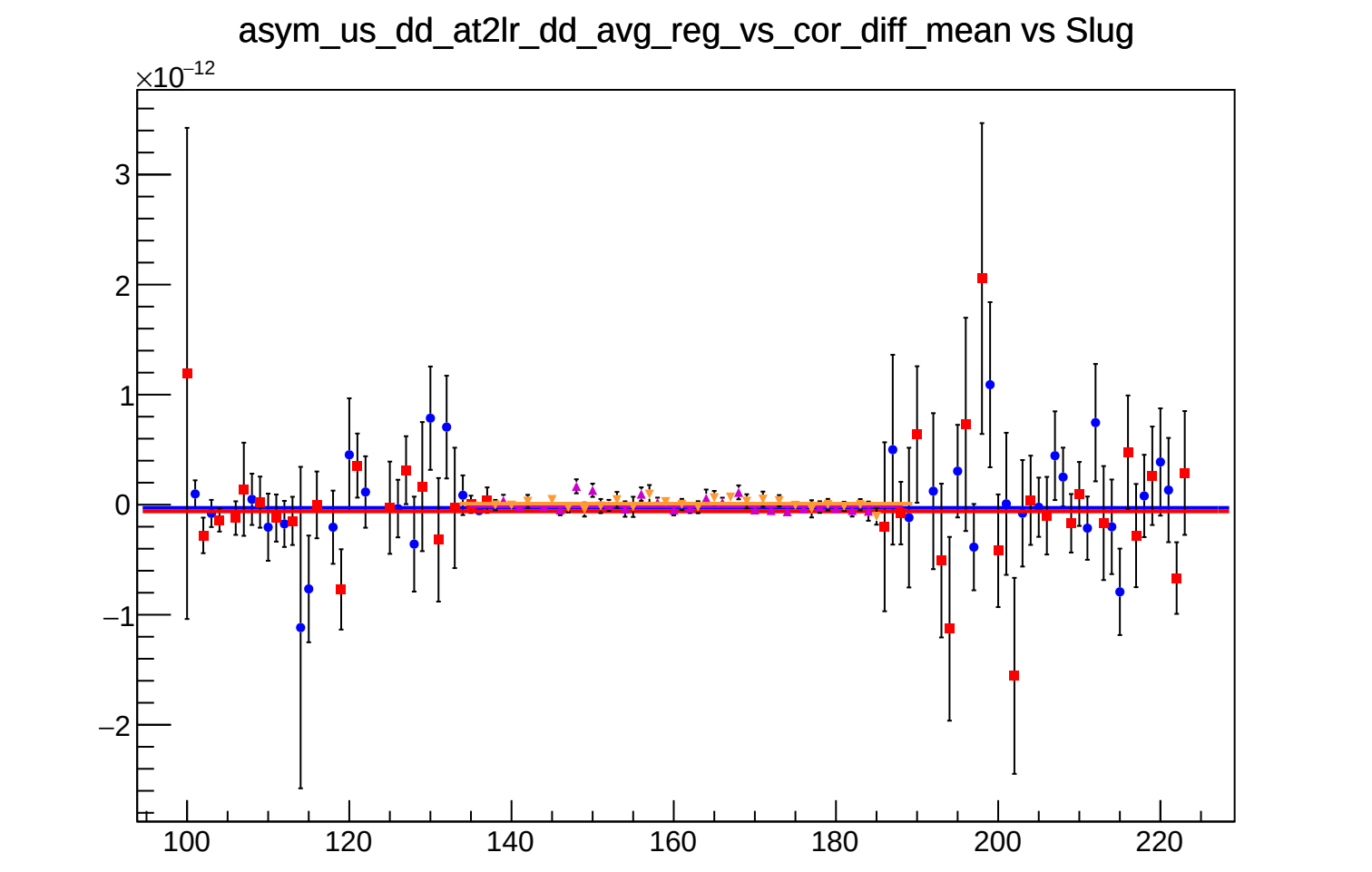
Right Out: 3939.435+/-0.622 χ^2/NDF: 4380706.1/36

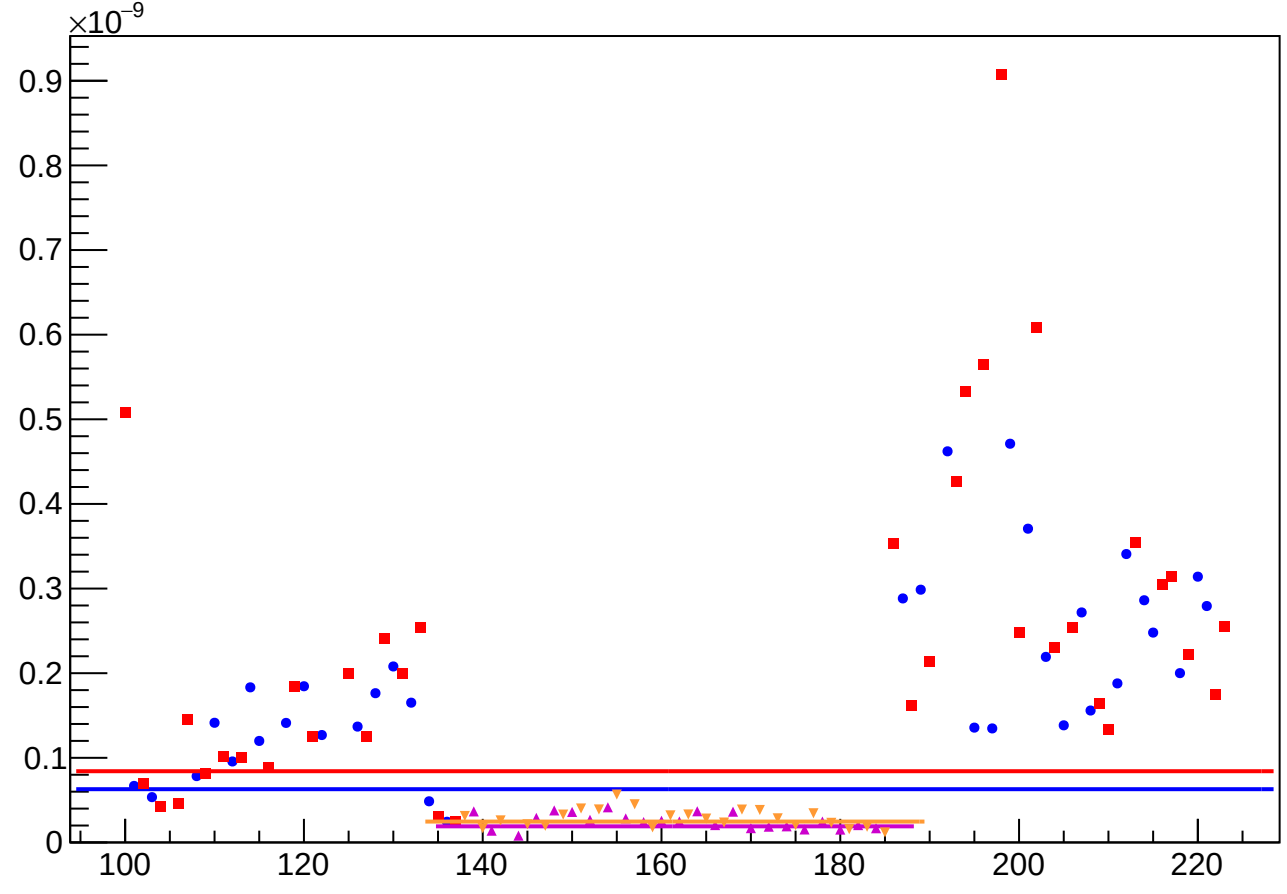
Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2954.969+/-0.342 χ^2/NDF: 5595742.4/57

All: 2953.545+/-0.243 χ^2/NDF: 13735142.3/1

- sign 2952.094+/-0.345 χ^2/NDF: 8139364.9/59


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.2/33
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.4/36
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 40.6/57
All: -0.000+/-0.000 χ²/NDF: 104.3/117
- sign -0.000+/-0.000 χ²/NDF: 60.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 9336465.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

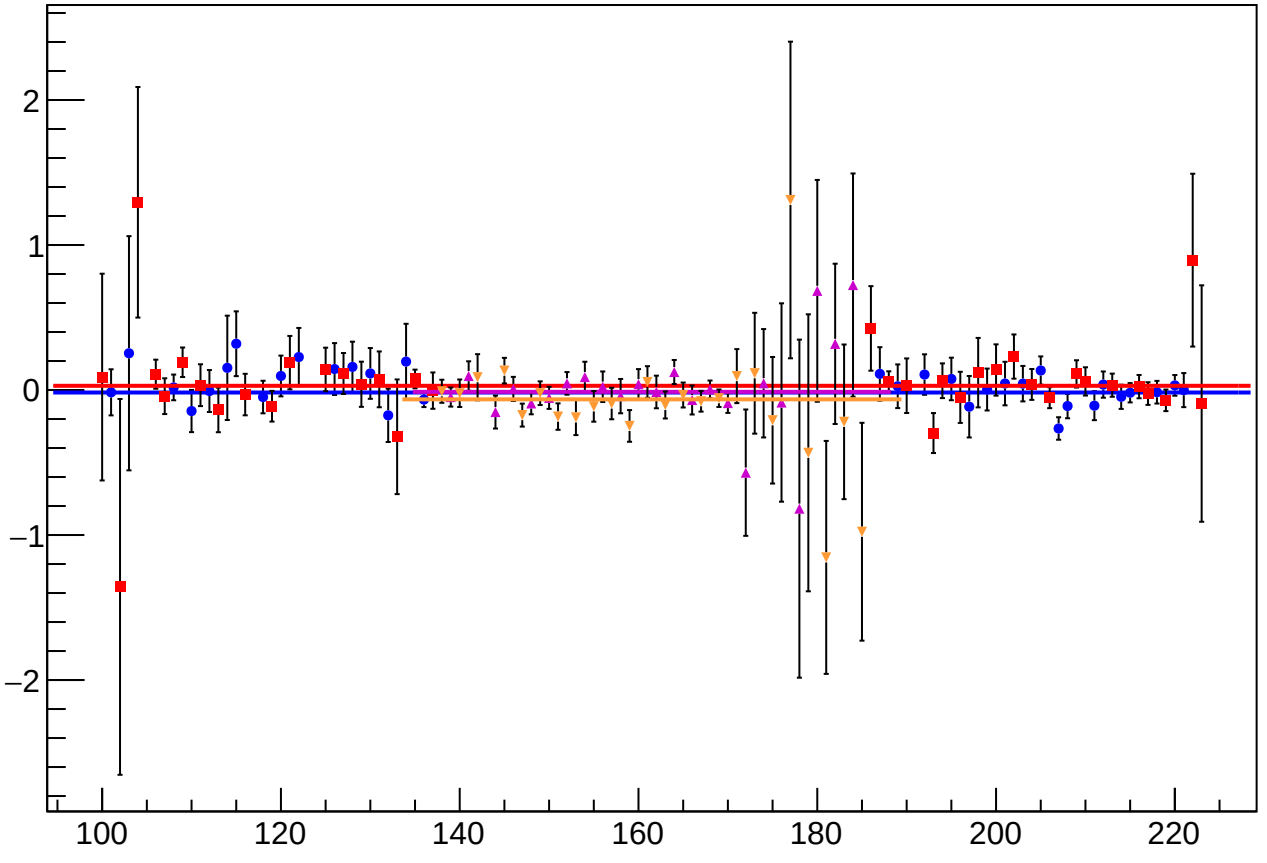
Right Out: 0.000+/-0.000 χ^2/NDF: 9332112.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13291812.8/57

All: 0.000+/-0.000 χ^2/NDF: 30379304.8/117

- sign 0.000+/-0.000 χ^2/NDF: 16623812.3/59



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

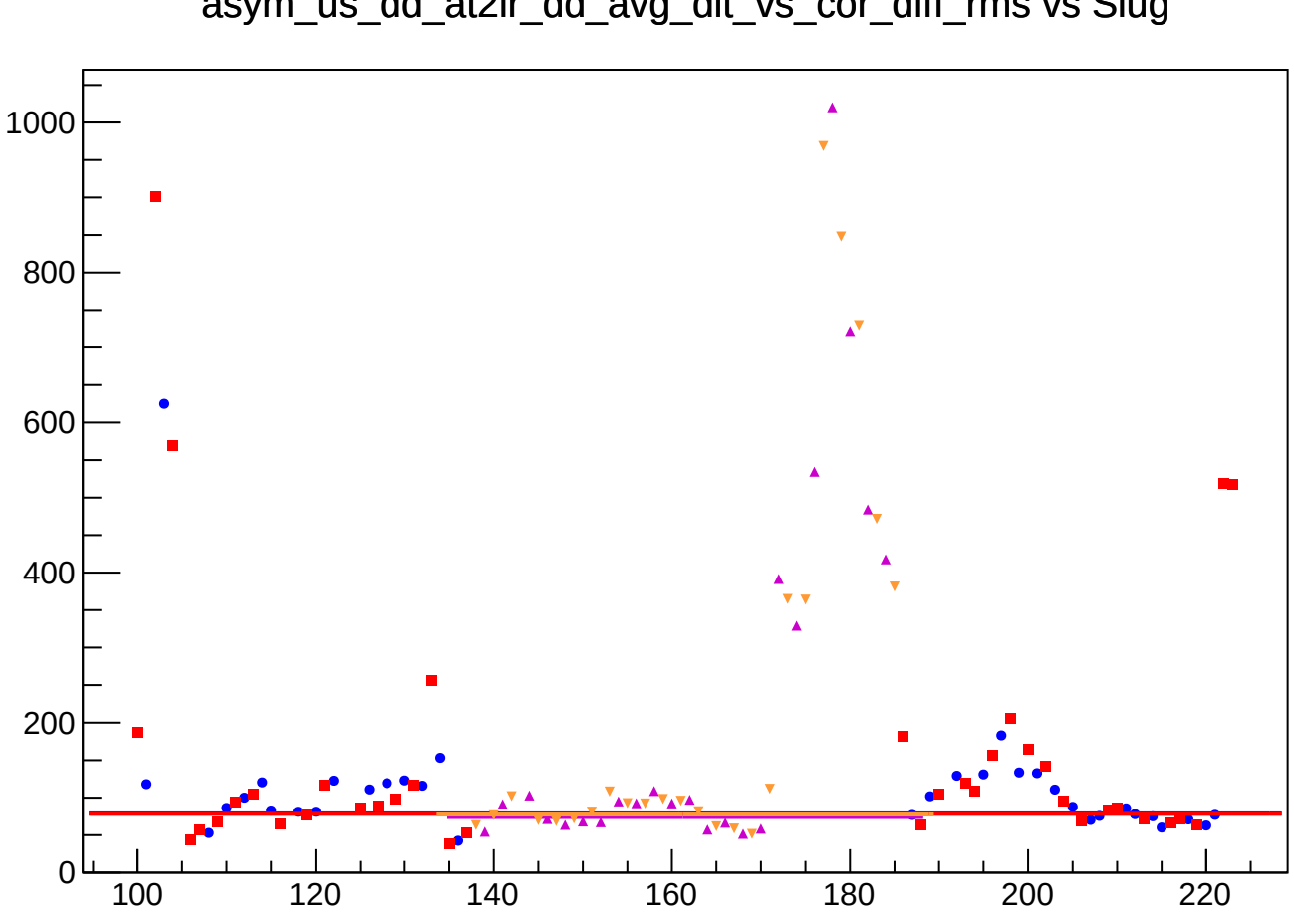
Right Out: 0.029+/-0.019 χ^2/NDF: 30.2/36

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.014 χ^2/NDF: 53.5/57

All: -0.014+/-0.010 χ^2/NDF: 106.3/117

- sign 0.010+/-0.014 χ^2/NDF: 47.3/59



Right In: 78.991+/-0.013 χ^2/NDF: 4977171.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

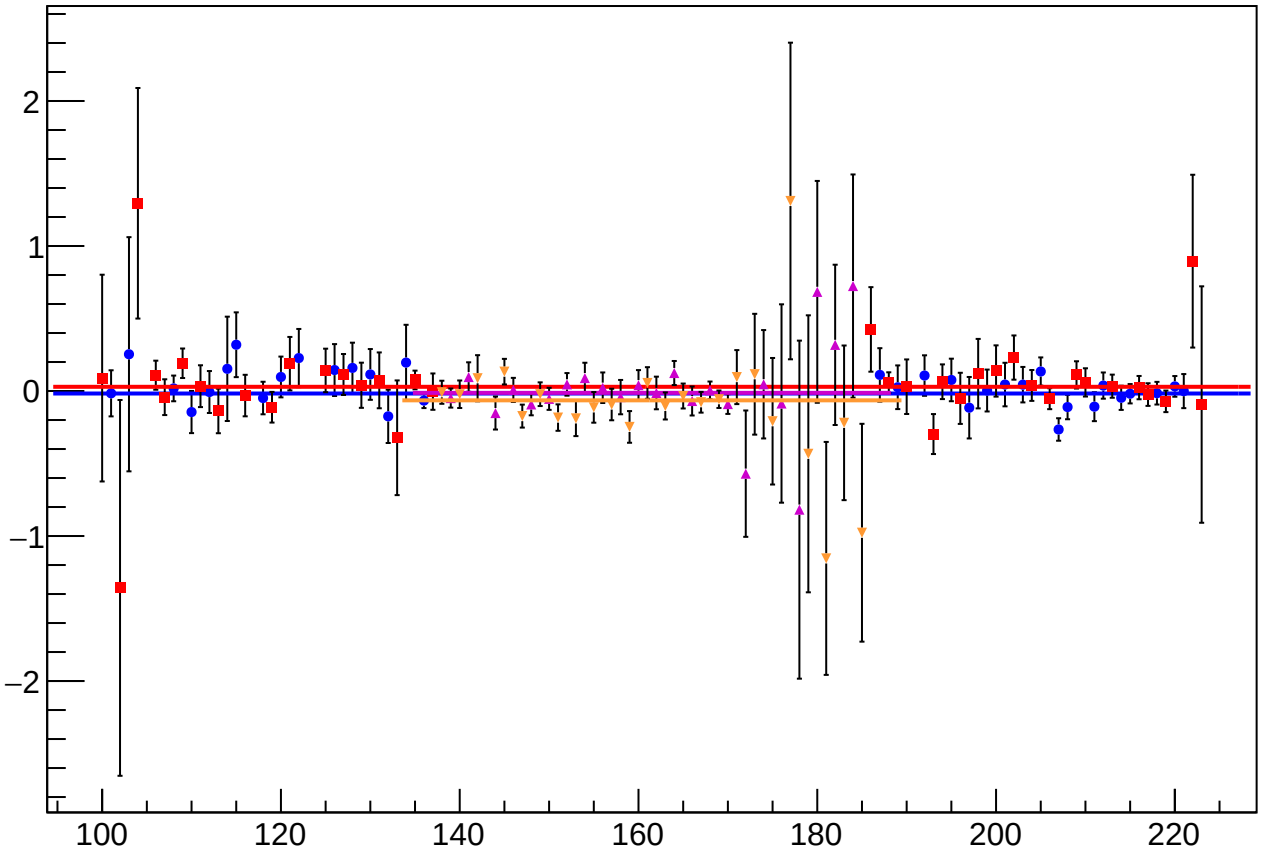
Right Out: 78.432+/-0.014 χ^2/NDF: 7904799.8/36

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.369+/-0.010 χ^2/NDF: 13313354.3/57

All: 77.425+/-0.007 χ^2/NDF: 29792299.3/117

- sign 76.497+/-0.010 χ^2/NDF: 16461977.1/59



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

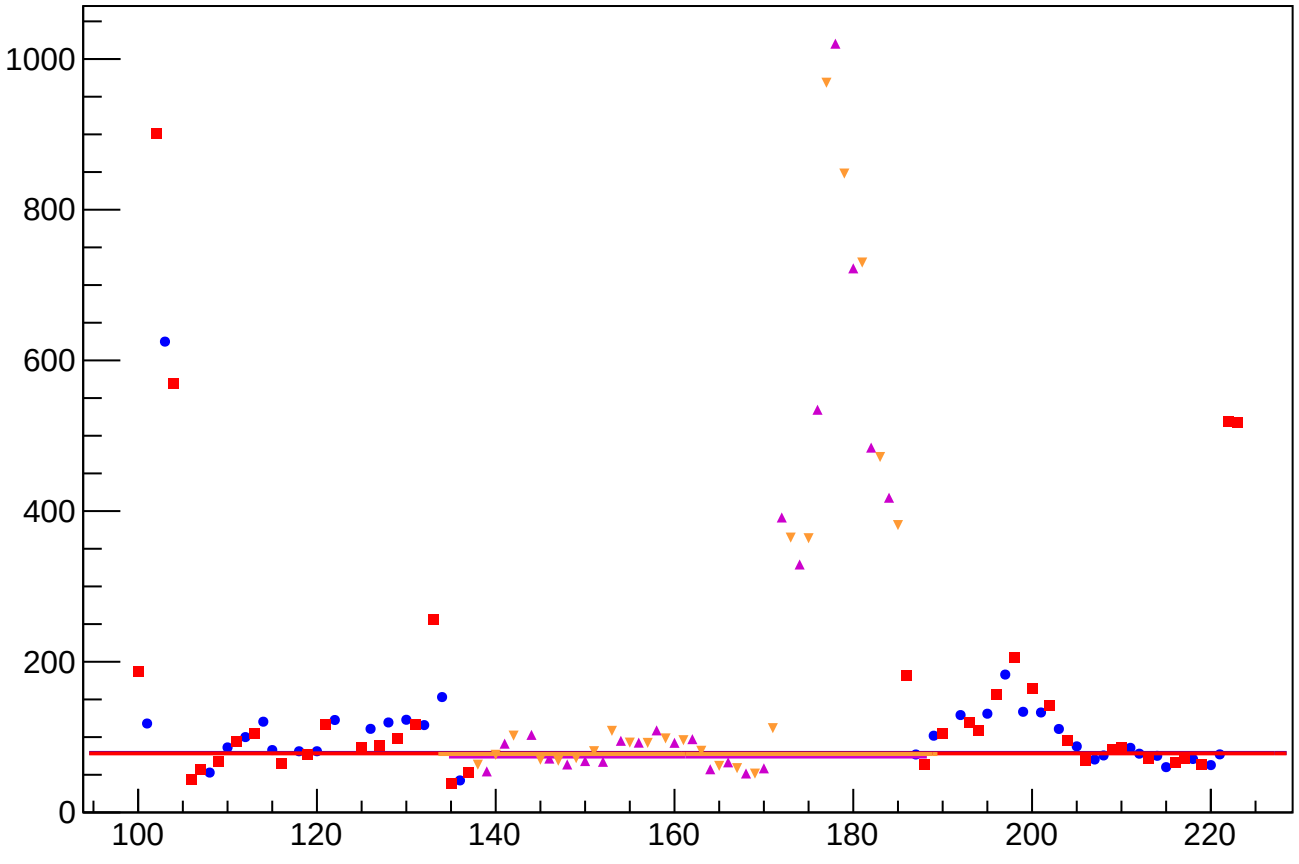
Right Out: 0.029+/-0.019 χ^2/NDF: 30.2/36

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.014 χ^2/NDF: 53.5/57

All: -0.014+/-0.010 χ^2/NDF: 106.3/117

- sign 0.010+/-0.014 χ^2/NDF: 47.3/59



Right In: 78.991+/-0.013 χ^2/NDF: 4977171.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

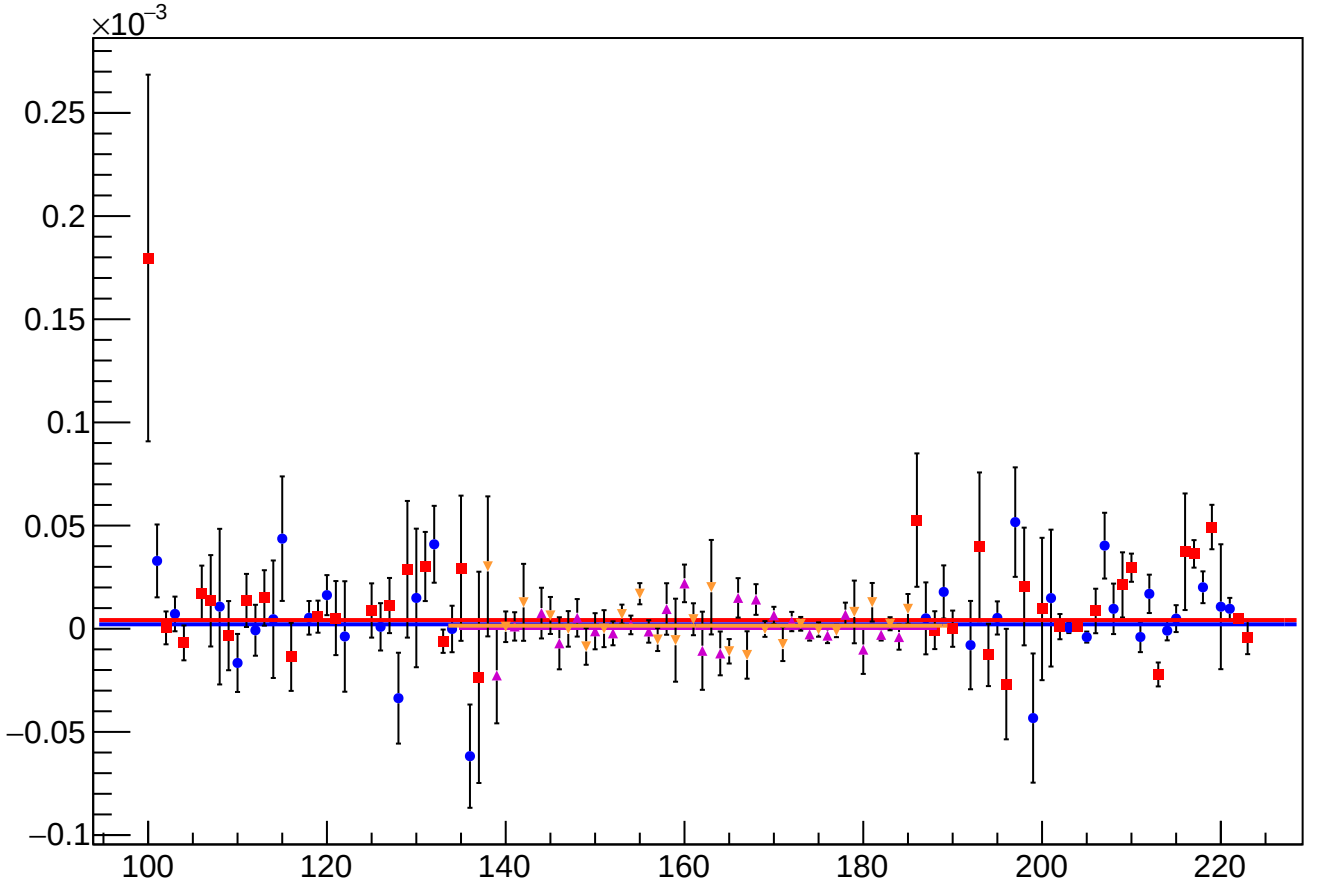
Right Out: 78.432+/-0.014 χ^2/NDF: 7904799.8/36

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 78.369+/-0.010 χ^2/NDF: 13313354.3/57

All: 77.425+/-0.007 χ^2/NDF: 29792299.3/117

\- sign 76.497+/-0.010 χ^2/NDF: 16461977.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 54.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

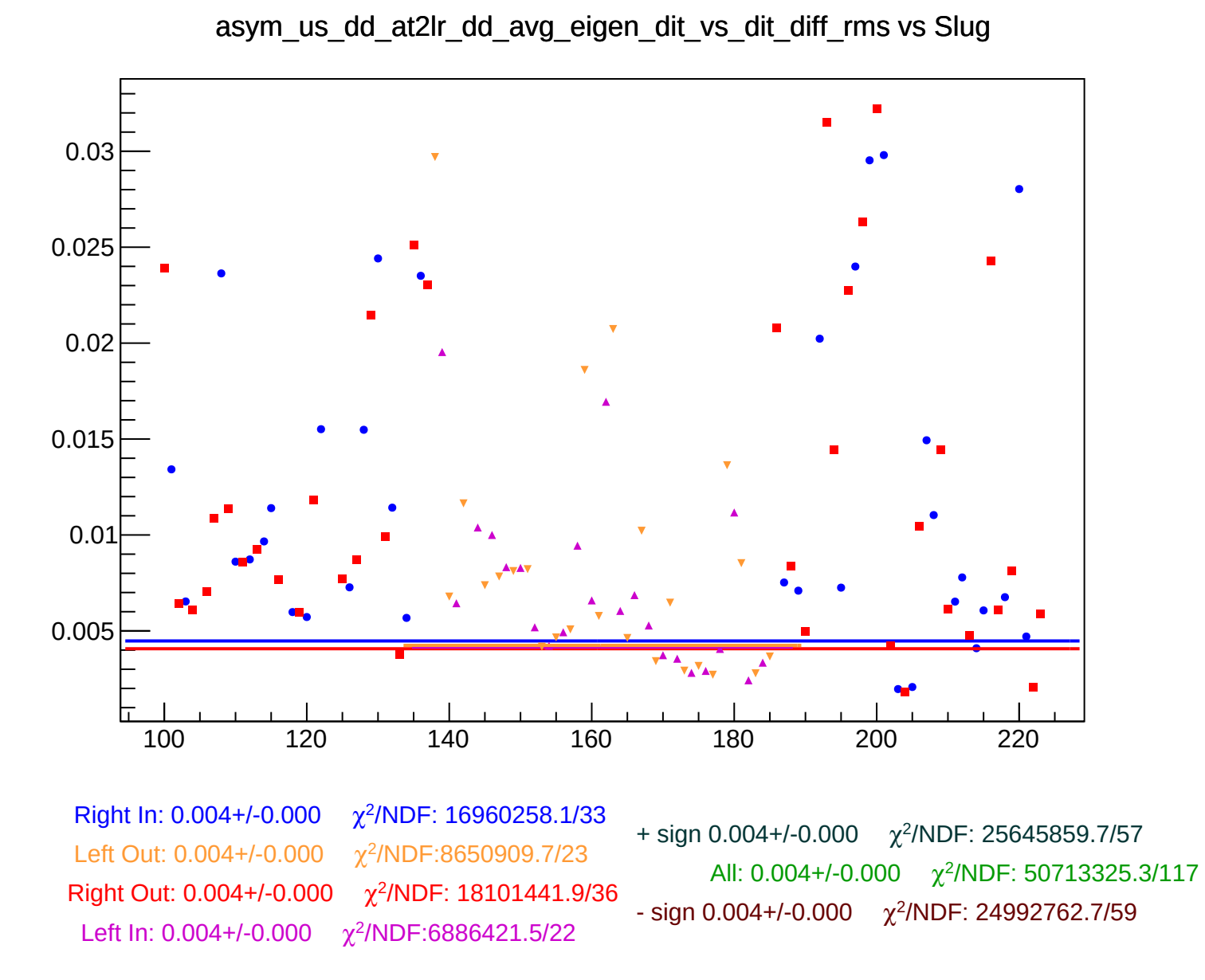
Right Out: 0.000+/-0.000 χ^2/NDF: 104.8/36

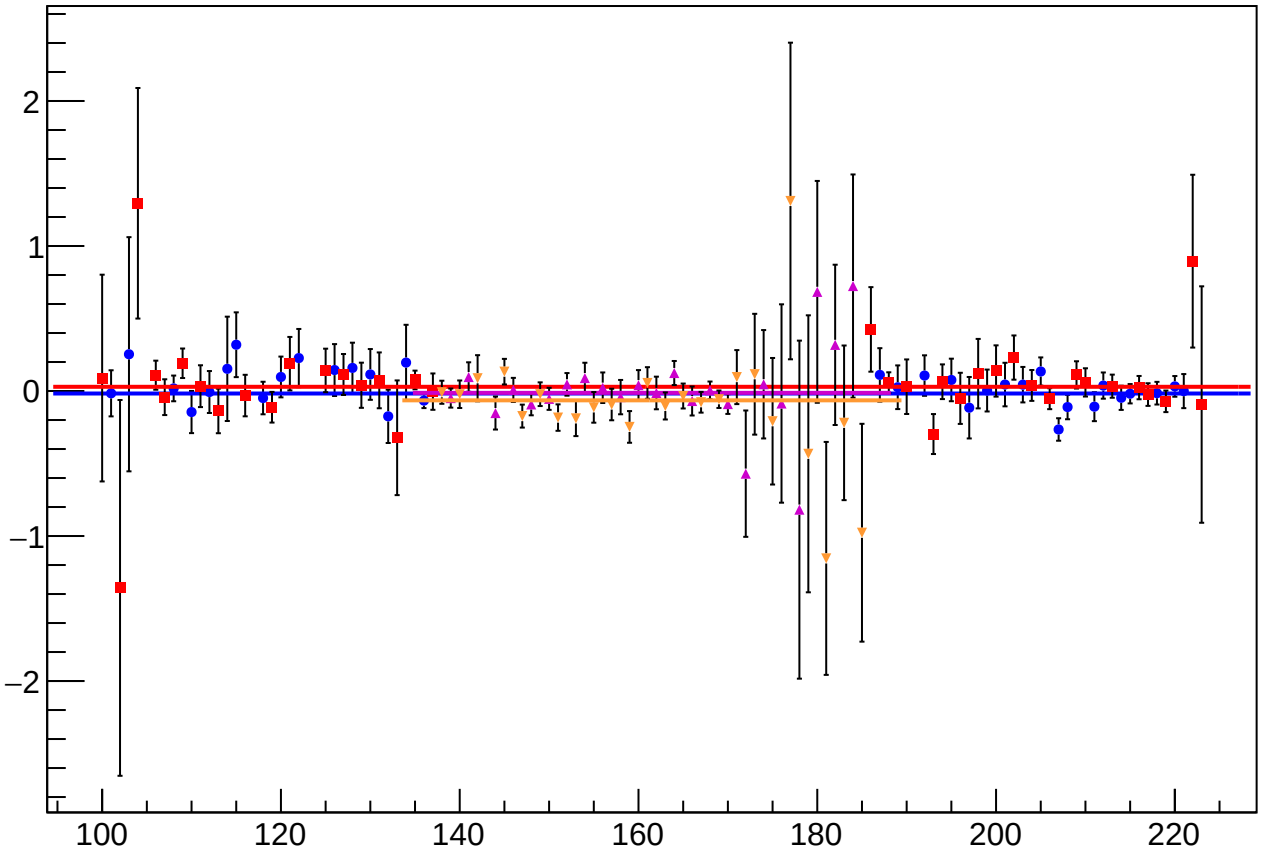
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.4/57

All: 0.000+/-0.000 χ^2/NDF: 216.2/117

- sign 0.000+/-0.000 χ^2/NDF: 134.6/59


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.004+/-0.000 χ²/NDF: 16960258.1/33
Left Out: 0.004+/-0.000 χ²/NDF:8650909.7/23
Right Out: 0.004+/-0.000 χ²/NDF: 18101441.9/36
Left In: 0.004+/-0.000 χ²/NDF:6886421.5/22
+ sign 0.004+/-0.000 χ²/NDF: 25645859.7/57
All: 0.004+/-0.000 χ²/NDF: 50713325.3/117
- sign 0.004+/-0.000 χ²/NDF: 24992762.7/59



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

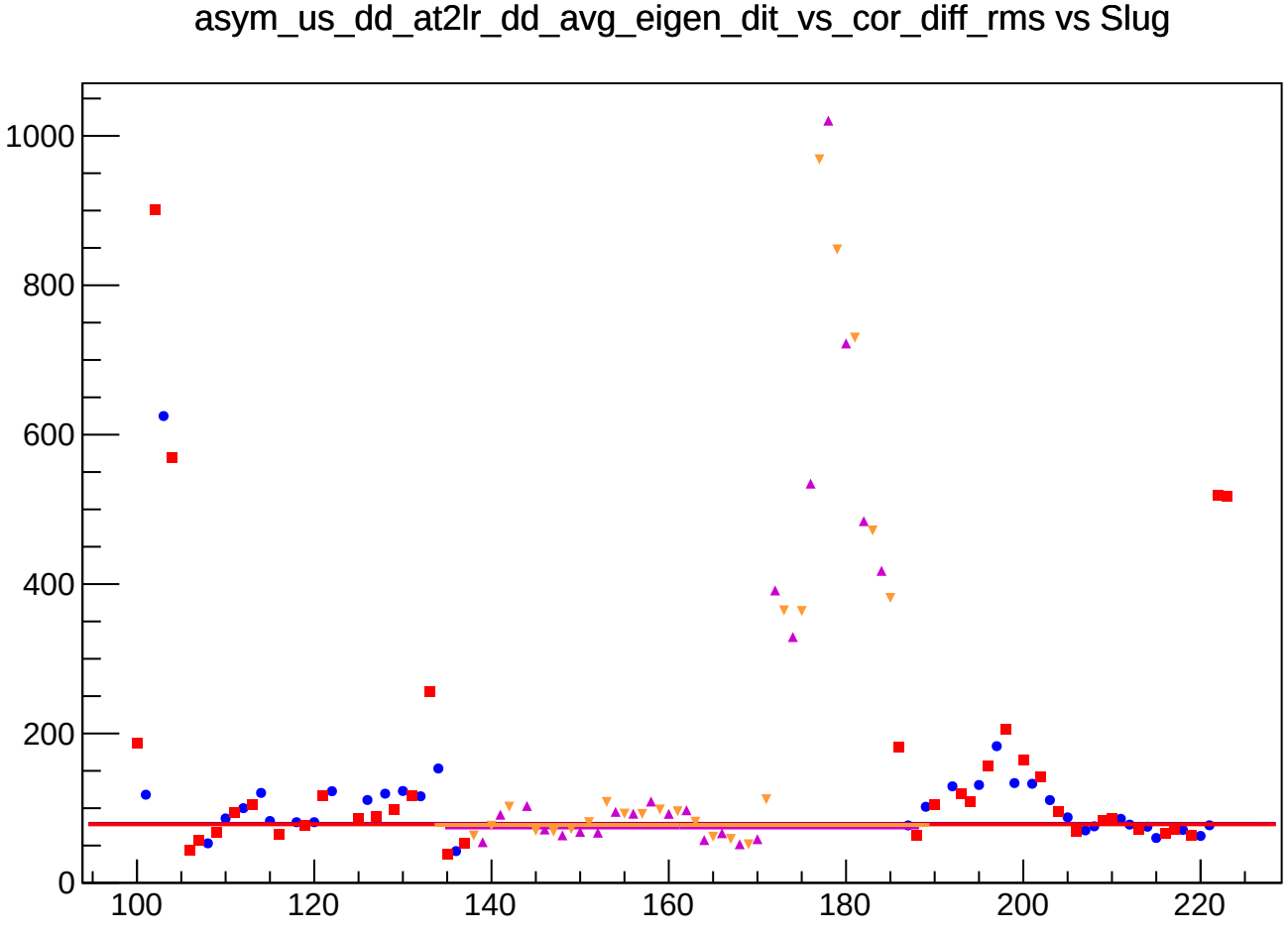
Right Out: 0.029+/-0.019 χ^2/NDF: 30.2/36

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.014 χ^2/NDF: 53.5/57

All: -0.014+/-0.010 χ^2/NDF: 106.3/117

- sign 0.010+/-0.014 χ^2/NDF: 47.3/59



Right In: 79.000+/-0.013 χ^2/NDF: 4974336.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

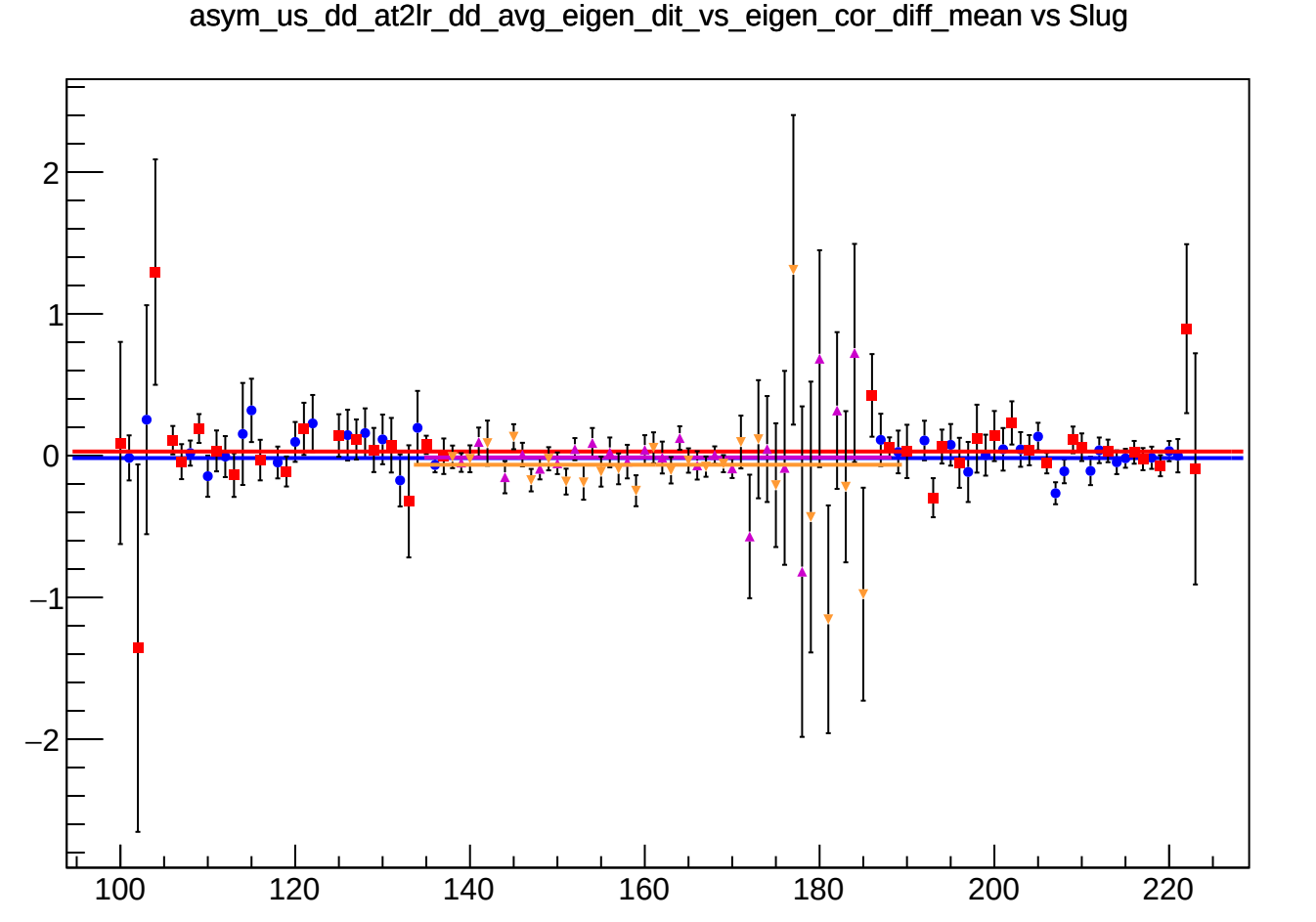
Right Out: 78.428+/-0.014 χ^2/NDF: 7906259.7/36

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.374+/-0.010 χ^2/NDF: 13310496.4/57

All: 77.427+/-0.007 χ^2/NDF: 29790619.7/11

- sign 76.495+/-0.010 χ^2/NDF: 16463033.4/59



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

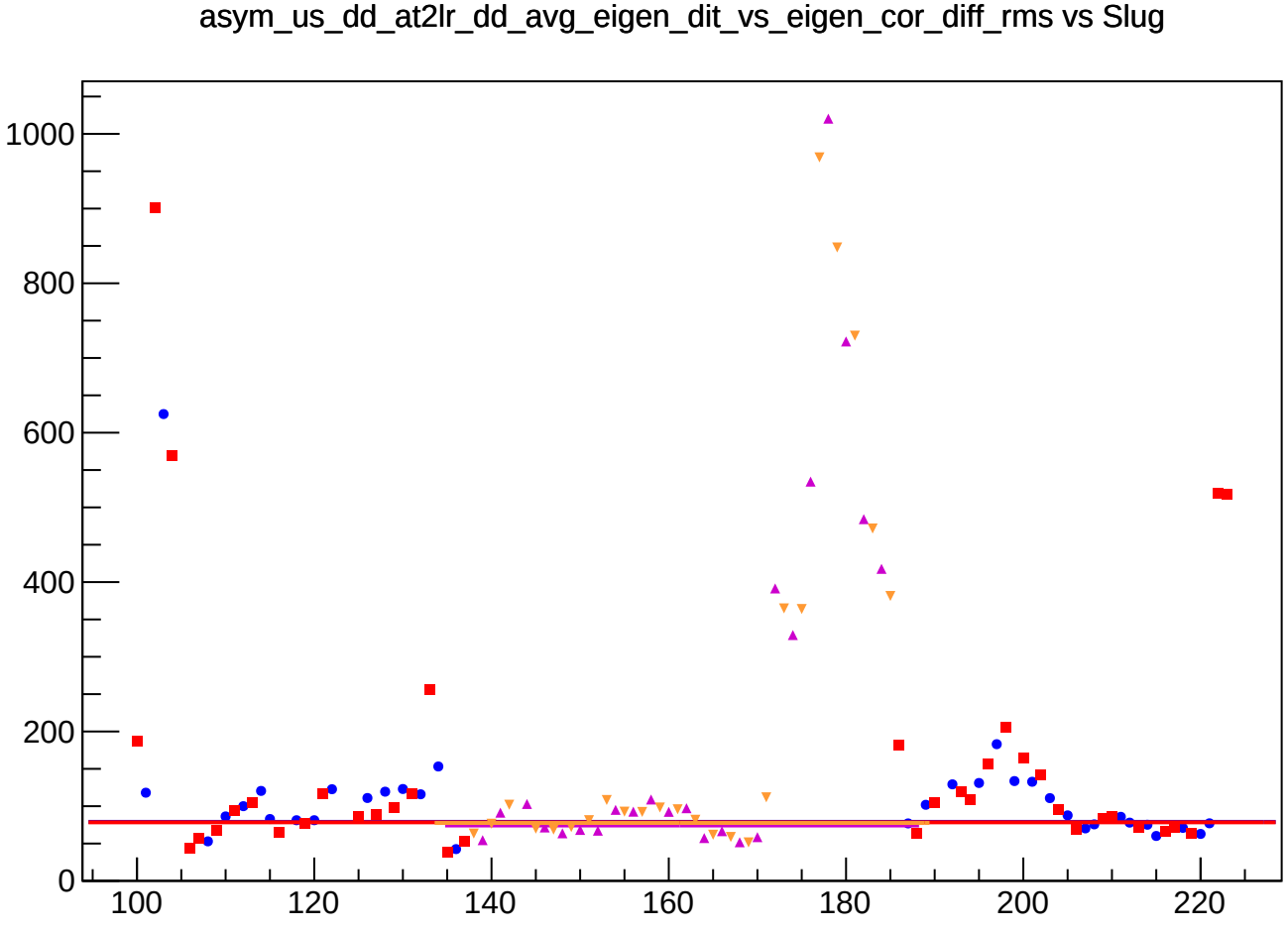
Right Out: 0.029+/-0.019 χ^2/NDF: 30.2/36

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.014 χ^2/NDF: 53.5/57

All: -0.014+/-0.010 χ^2/NDF: 106.3/117

- sign 0.010+/-0.014 χ^2/NDF: 47.3/59



Right In: 79.000+/-0.013 χ^2/NDF: 4974336.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

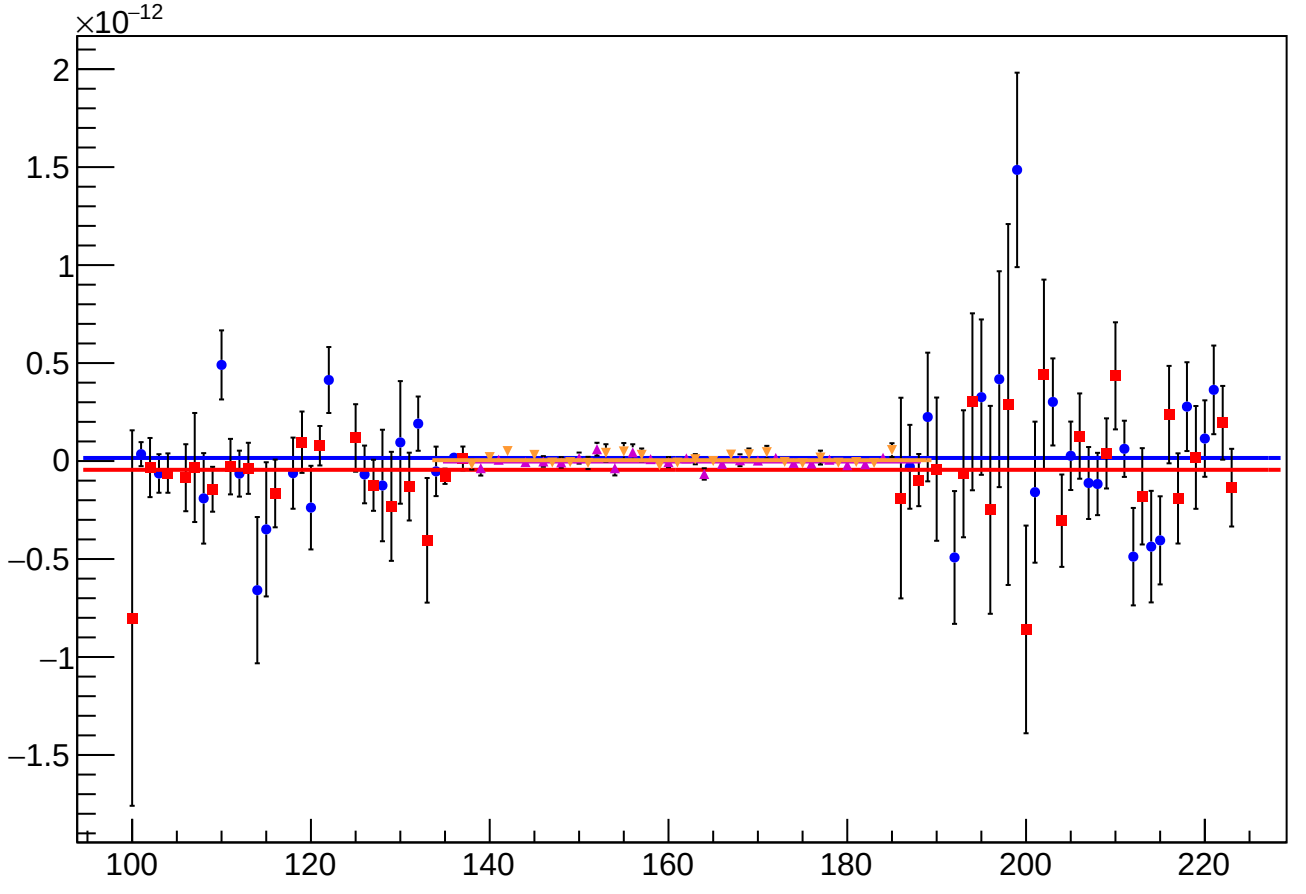
Right Out: 78.428+/-0.014 χ^2/NDF: 7906259.7/36

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.374+/-0.010 χ^2/NDF: 13310496.4/57

All: 77.427+/-0.007 χ^2/NDF: 29790619.7/117

- sign 76.495+/-0.010 χ^2/NDF: 16463033.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 53.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

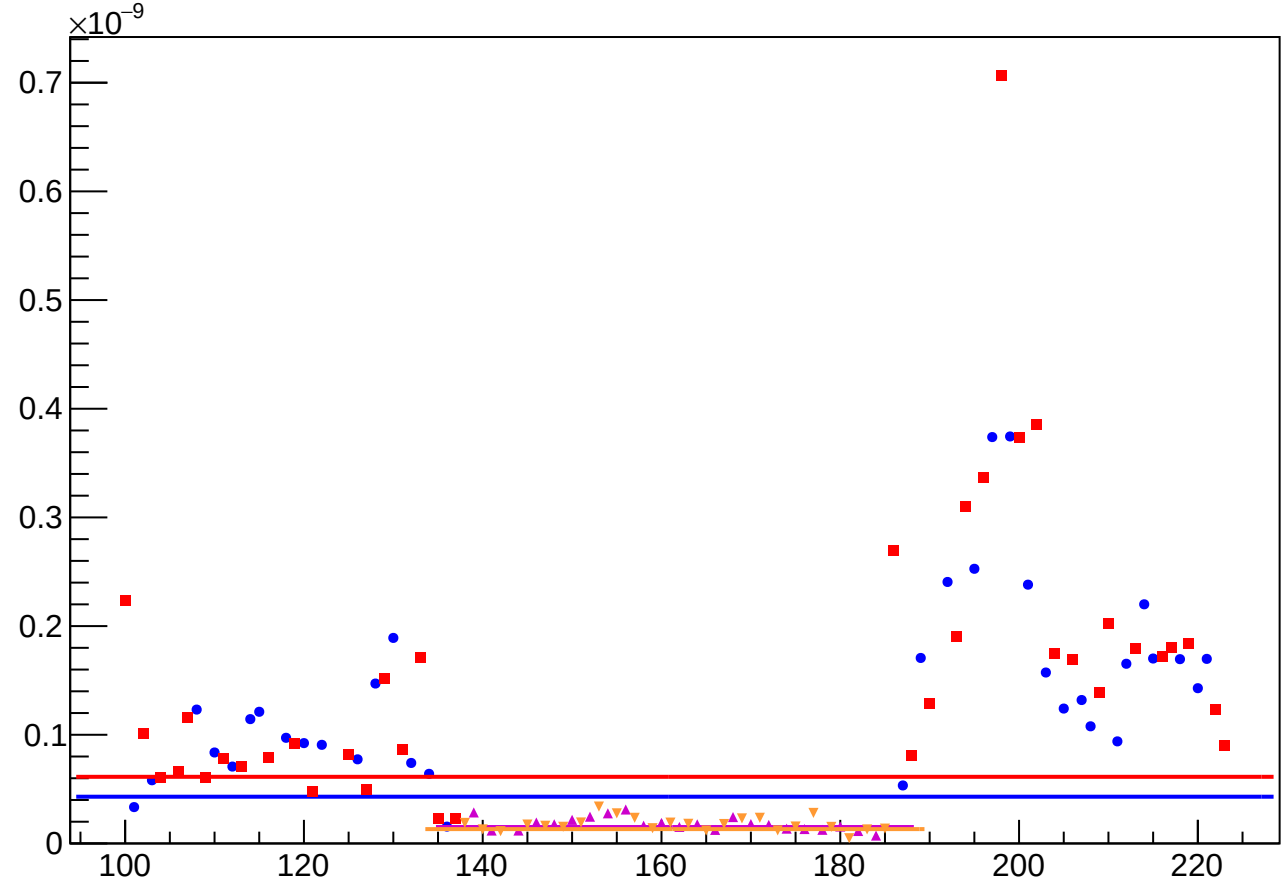
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/36

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.3/57

All: 0.000+/-0.000 χ^2/NDF: 120.9/117

- sign -0.000+/-0.000 χ^2/NDF: 43.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 14449888.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12165650.1/36

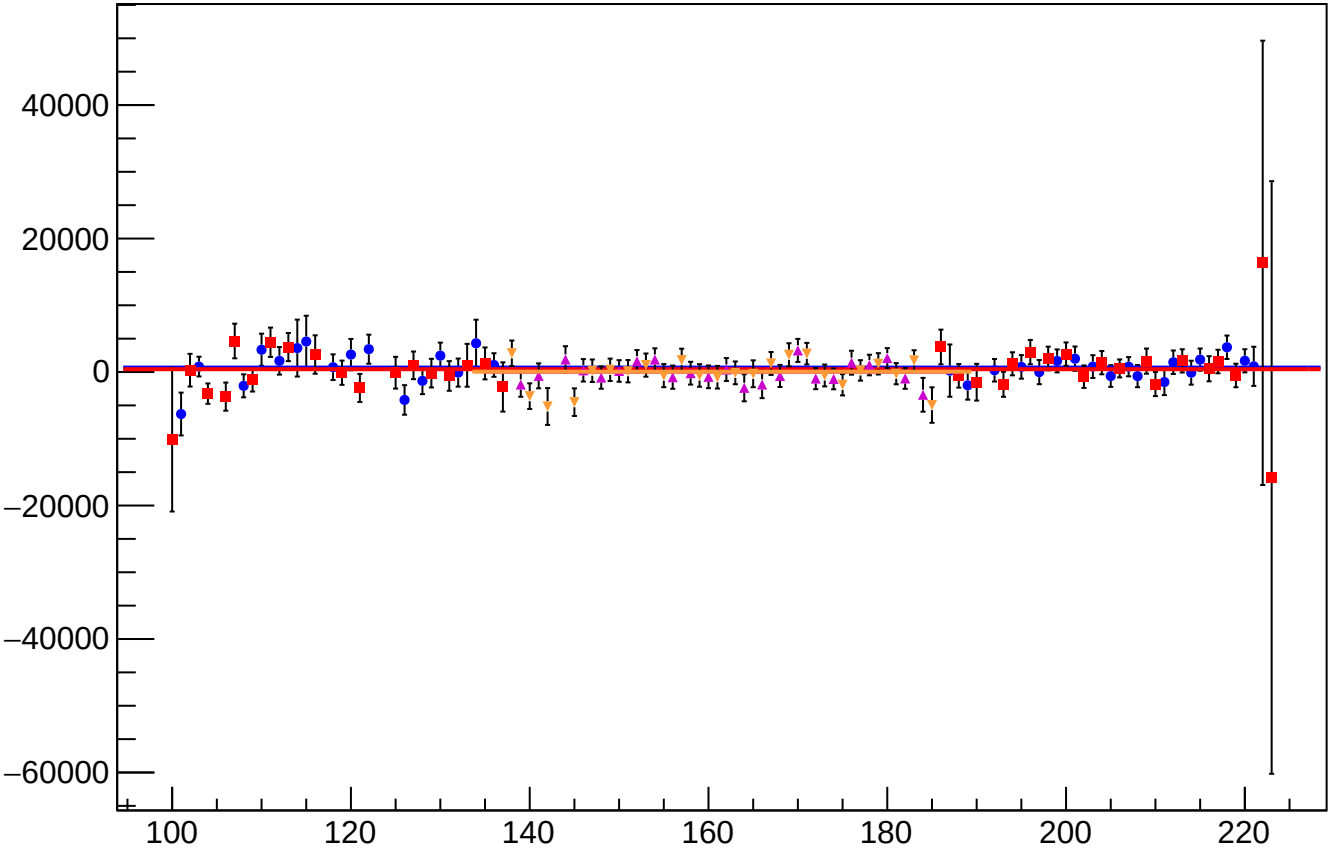
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 23762719.3/57

All: 0.000+/-0.000 χ^2/NDF: 46206616.8/117

- sign 0.000+/-0.000 χ^2/NDF: 22200531.1/59

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 666.749+/-334.832 χ^2/NDF: 29.7/33

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 424.386+/-337.025 χ^2/NDF: 36.3/36

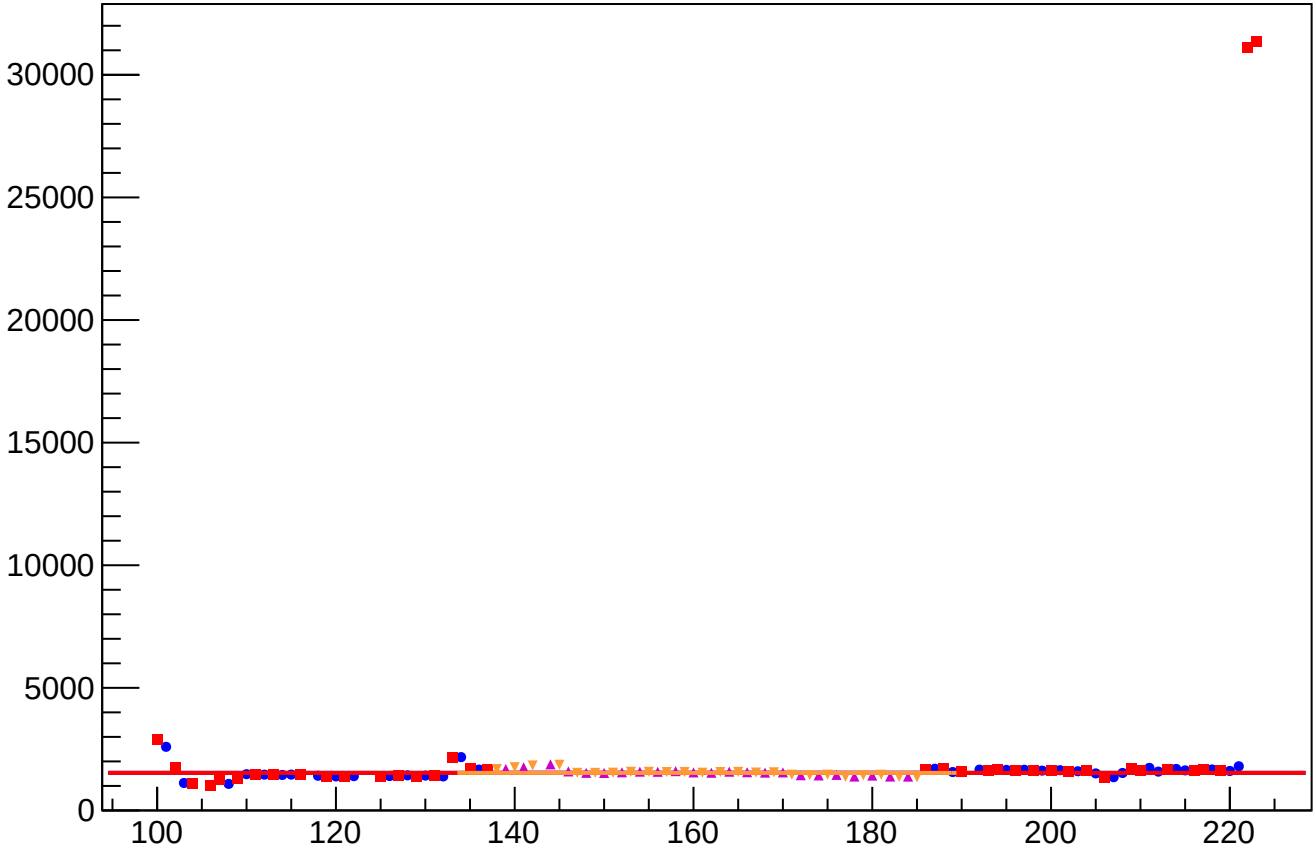
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

\+ sign 379.815+/-244.023 χ^2/NDF: 59.7/57

All: 314.618+/-173.204 χ^2/NDF: 113.4/117

\- sign 248.424+/-245.884 χ^2/NDF: 53.6/59

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1534.453+/-0.237 χ^2/NDF: 805696.2/33

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

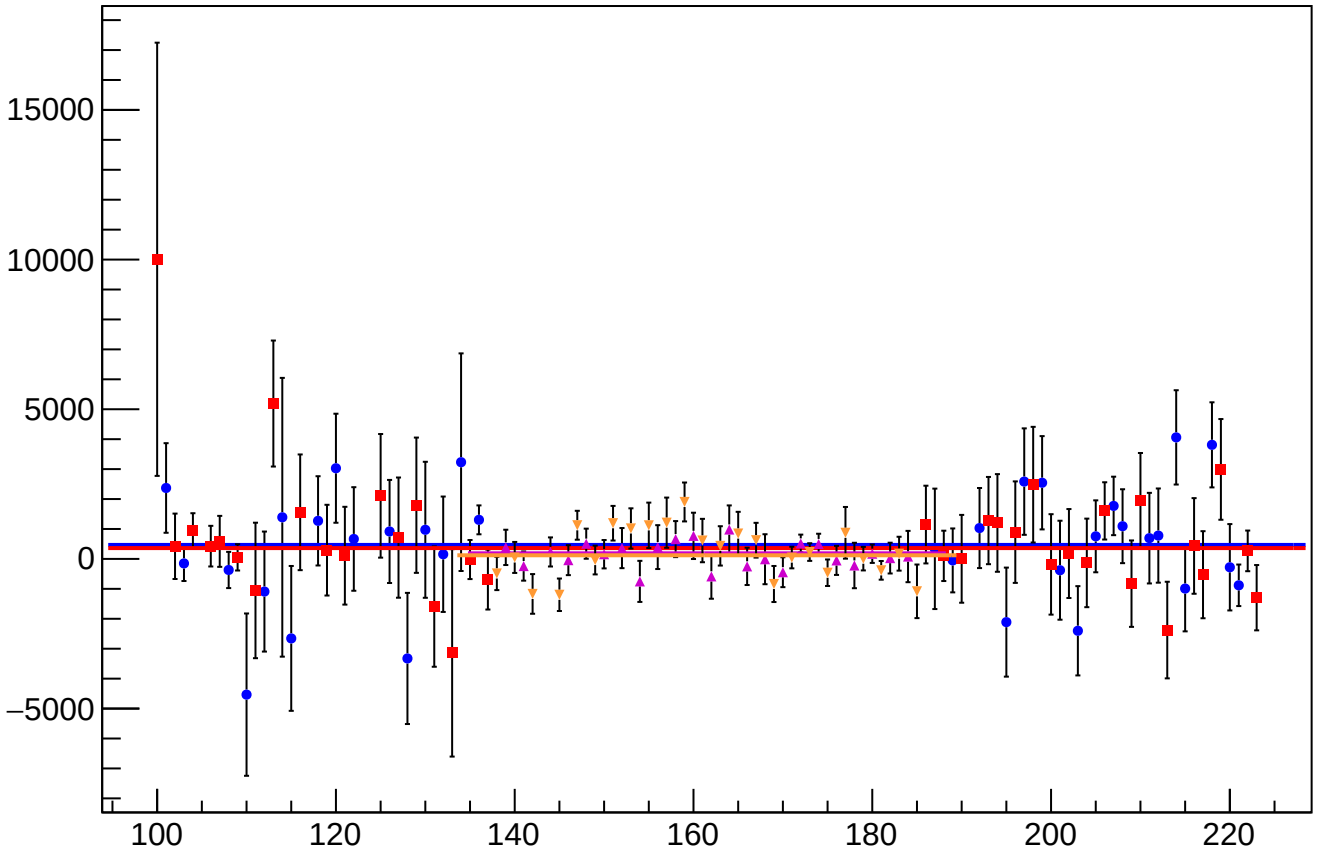
Right Out: 1532.491+/-0.238 χ^2/NDF: 3189968.0/36

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1532.823+/-0.173 χ^2/NDF: 1009337.1/57

All: 1533.368+/-0.122 χ^2/NDF: 4391835.0/11

- sign 1533.922+/-0.174 χ^2/NDF: 3382477.8/59



Right In: 467.271+/-204.777 χ^2/NDF: 46.9/33

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 361.504+/-182.325 χ^2/NDF: 28.0/36

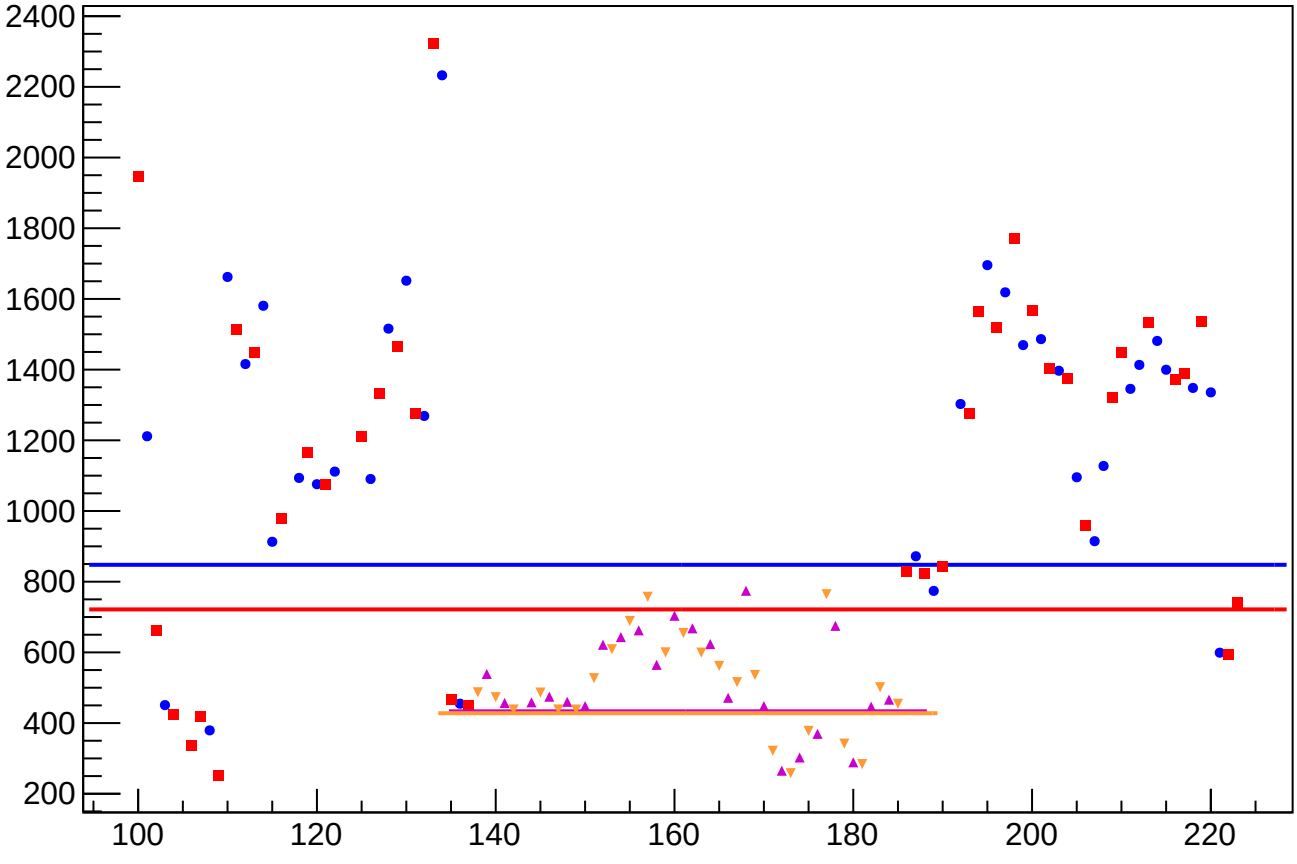
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

\+ sign 193.411+/-93.476 χ^2/NDF: 92.8/57

All: 212.734+/-65.666 χ^2/NDF: 133.2/117

\- sign 231.560+/-92.266 χ^2/NDF: 40.3/59

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 847.772+/-0.145 χ^2/NDF: 8905511.1/33

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 721.577+/-0.129 χ^2/NDF: 12022462.3/36

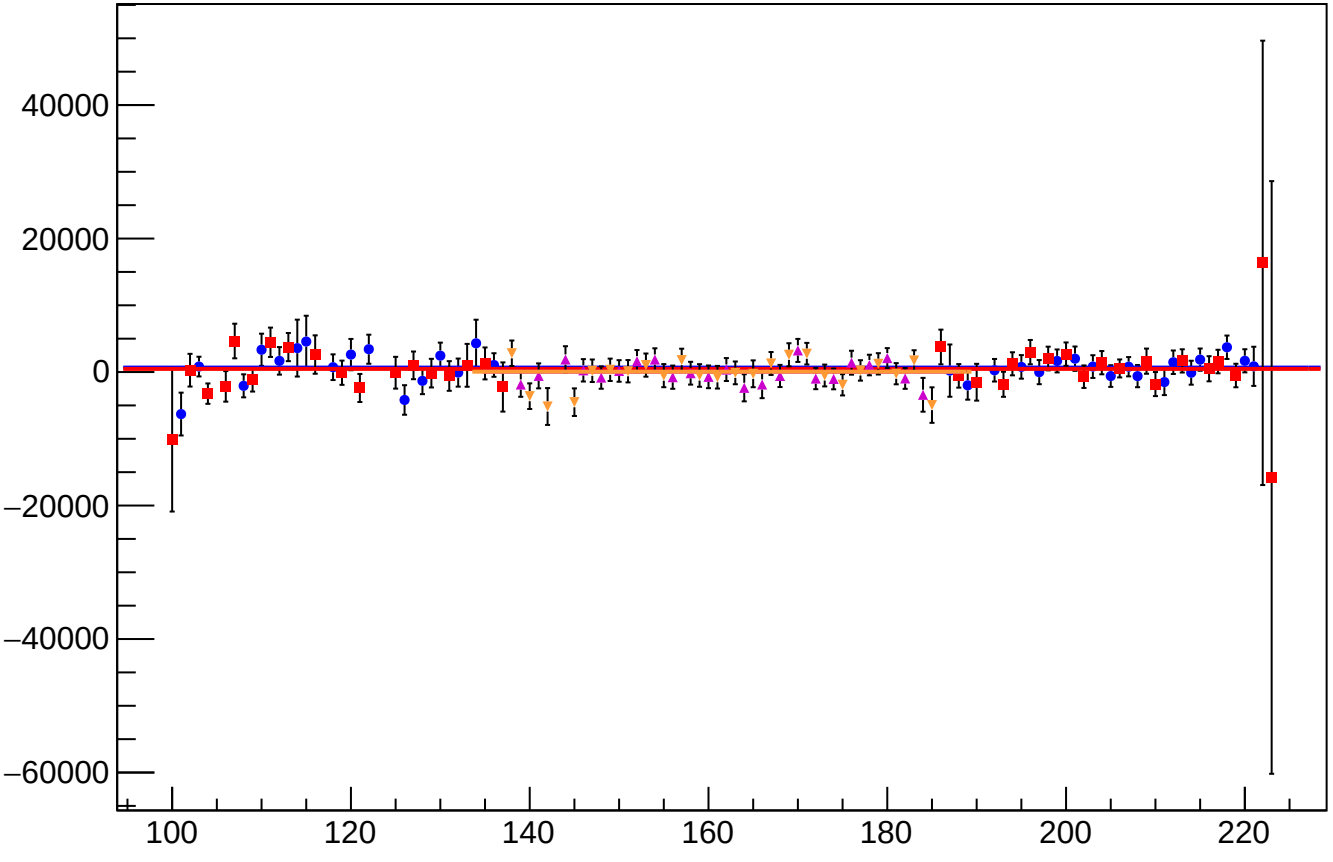
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 515.320+/-0.066 χ^2/NDF: 18752533.1/57

All: 511.163+/-0.046 χ^2/NDF: 37750660.9/11

- sign 507.113+/-0.065 χ^2/NDF: 18990317.6/59

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 666.775+/-334.832 χ^2/NDF: 29.7/33

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 474.281+/-337.695 χ^2/NDF: 33.7/36

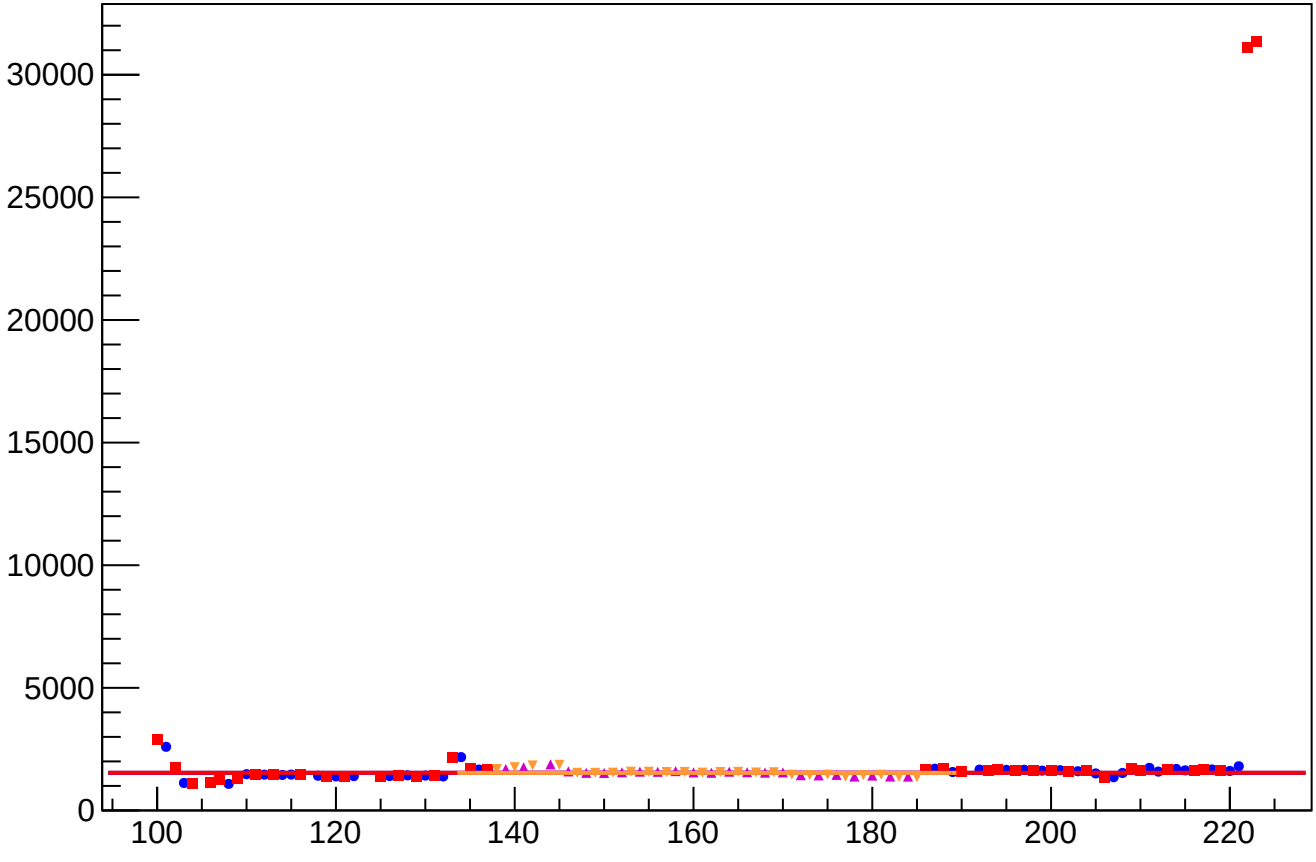
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

\+ sign 379.811+/-244.023 χ^2/NDF: 59.7/57

All: 327.660+/-173.295 χ^2/NDF: 111.0/117

\- sign 274.598+/-246.144 χ^2/NDF: 51.2/59

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1534.453+/-0.237 χ^2/NDF: 805696.5/33

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

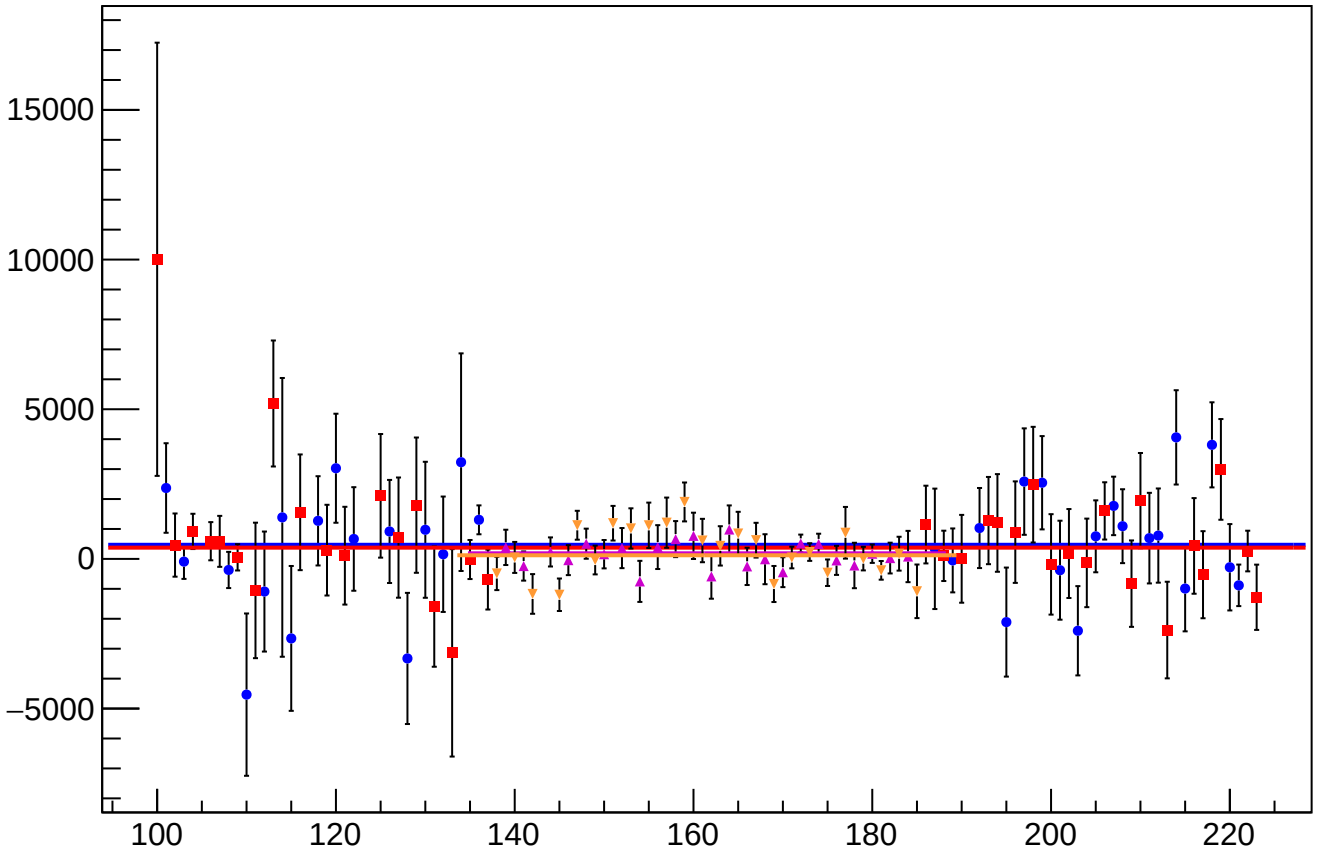
Right Out: 1536.677+/-0.239 χ^2/NDF: 3136714.5/36

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1532.823+/-0.173 χ^2/NDF: 1009337.4/57

All: 1534.472+/-0.123 χ^2/NDF: 4338679.2/11

- sign 1536.149+/-0.174 χ^2/NDF: 3329157.6/59



Right In: 471.794+/-204.294 χ^2/NDF: 46.8/33

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 375.954+/-181.180 χ^2/NDF: 28.1/36

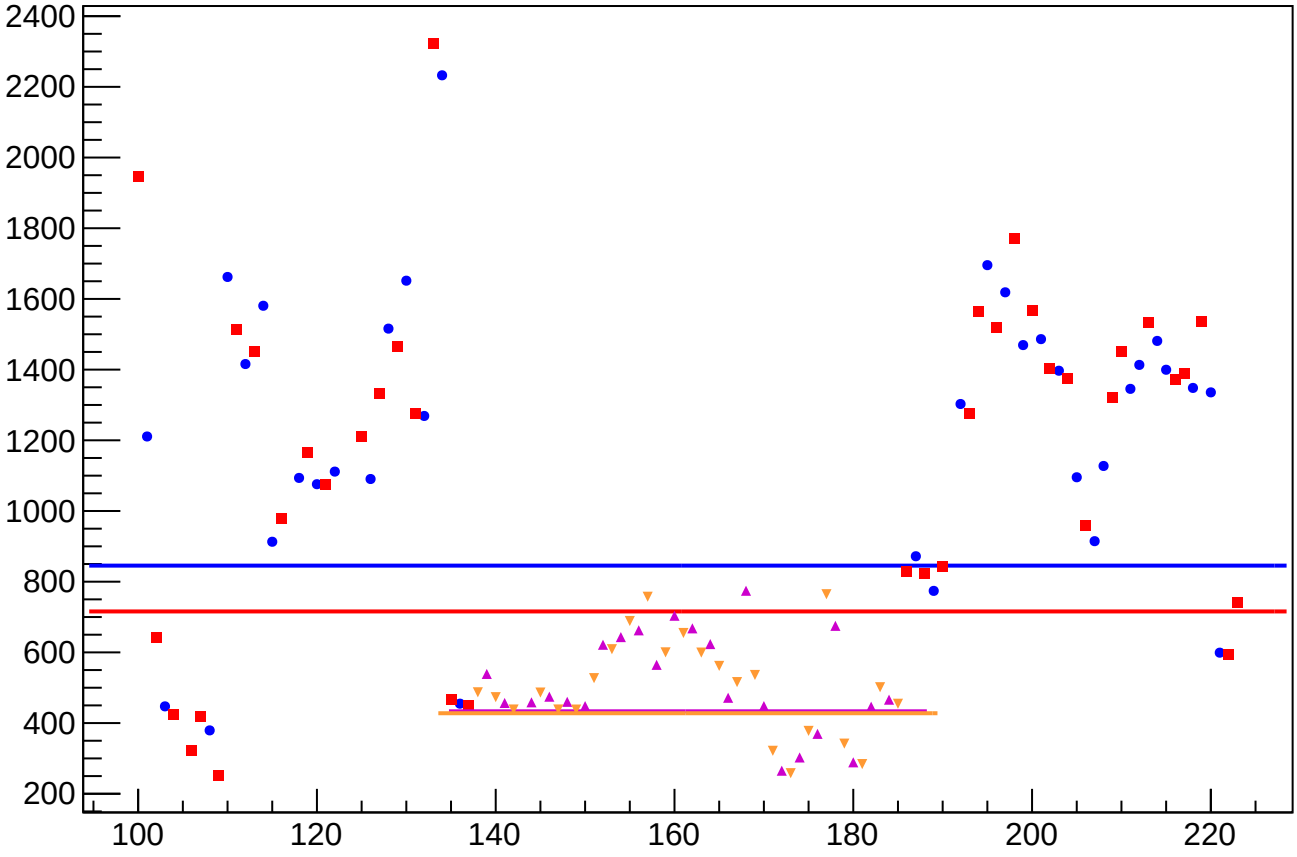
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 194.626+/-93.430 χ^2/NDF: 92.7/57

All: 215.540+/-65.596 χ^2/NDF: 133.3/117

- sign 235.871+/-92.117 χ^2/NDF: 40.5/59

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 845.459+/-0.144 χ^2/NDF: 8957448.1/33

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 715.822+/-0.128 χ^2/NDF: 12167206.1/36

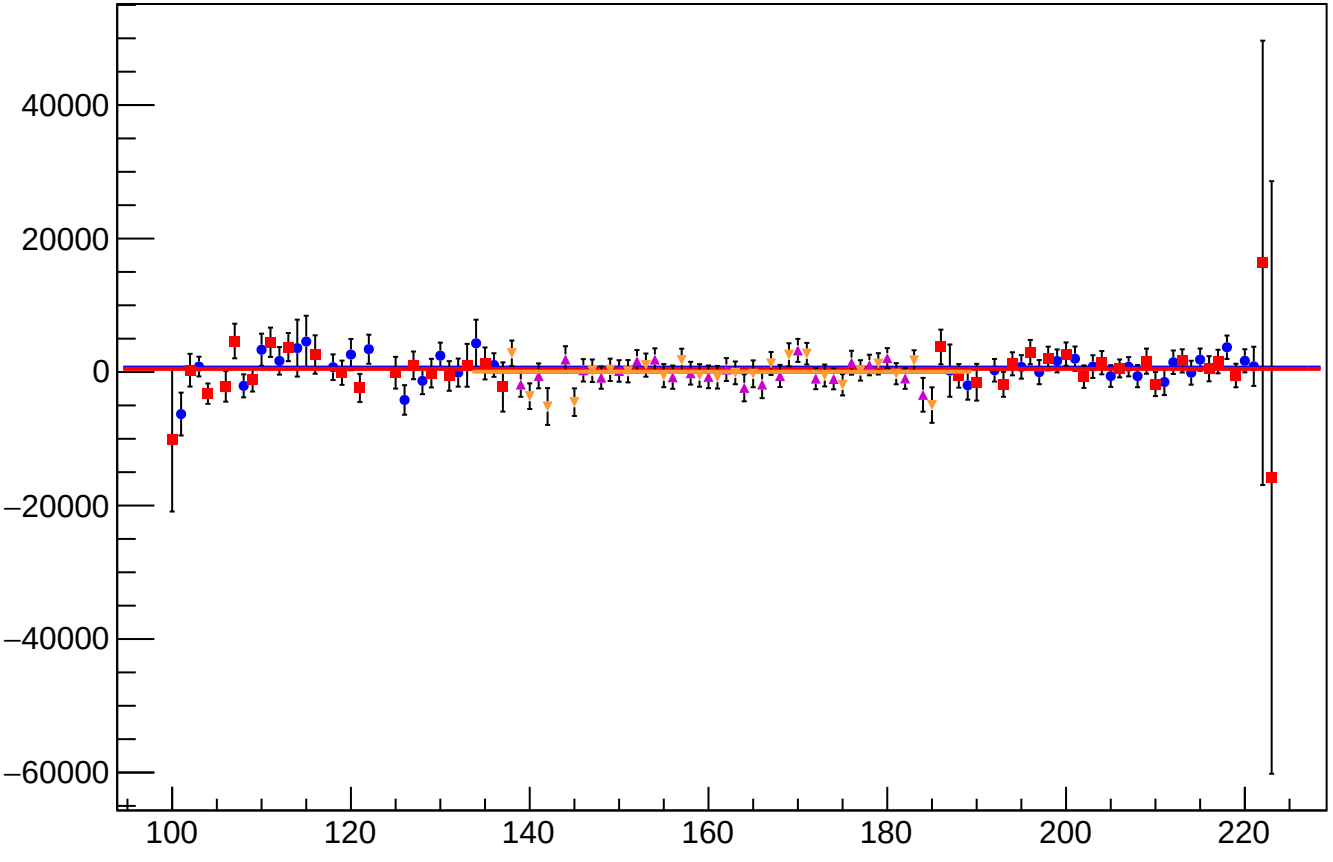
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 515.164+/-0.066 χ^2/NDF: 18756193.6/57

All: 510.680+/-0.046 χ^2/NDF: 37786737.3/11

- sign 506.320+/-0.065 χ^2/NDF: 19021456.7/59

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 666.775+/-334.832 χ^2/NDF: 29.7/33

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 474.281+/-337.695 χ^2/NDF: 33.7/36

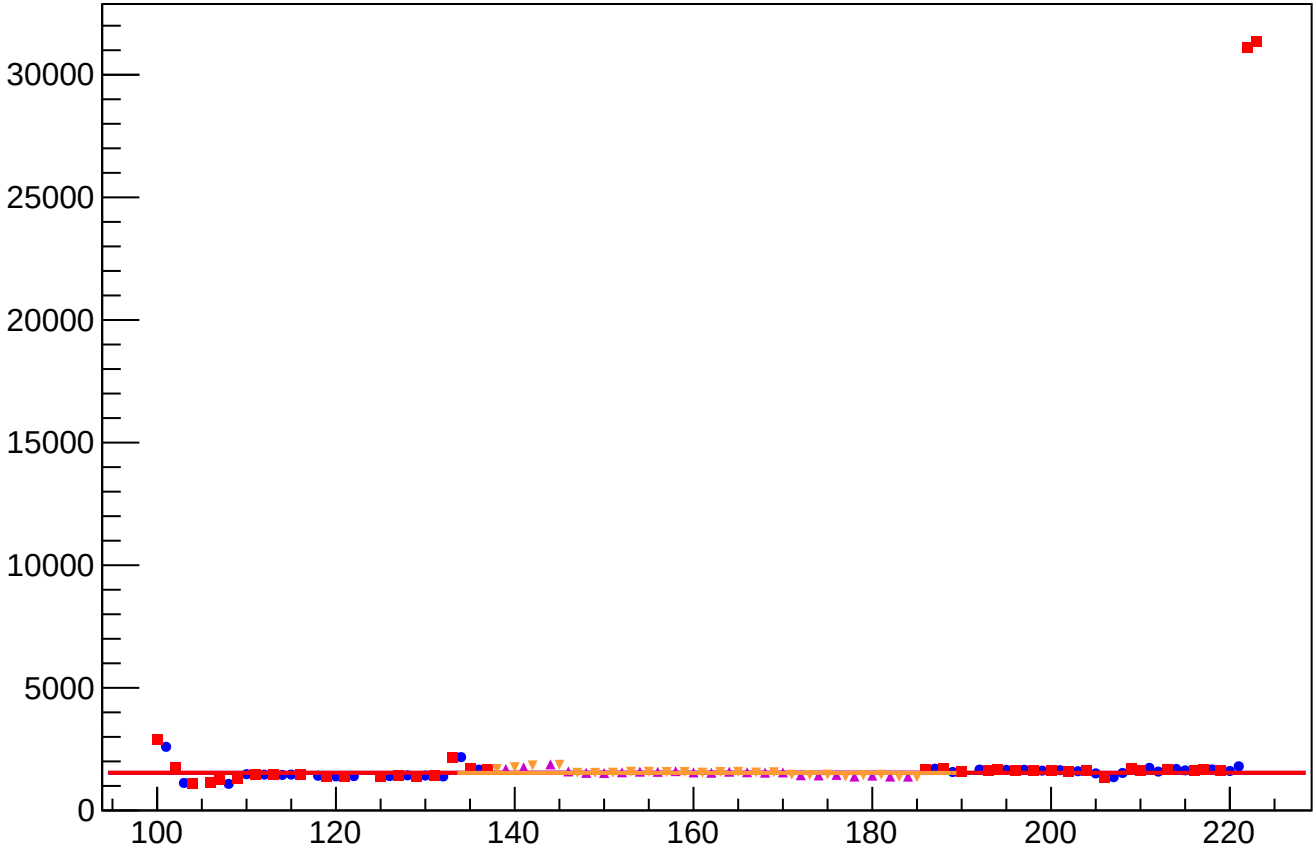
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

\+ sign 379.811+/-244.023 χ^2/NDF: 59.7/57

All: 327.660+/-173.295 χ^2/NDF: 111.0/117

\- sign 274.598+/-246.144 χ^2/NDF: 51.2/59

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1534.453+/-0.237 χ^2/NDF: 805696.5/33

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

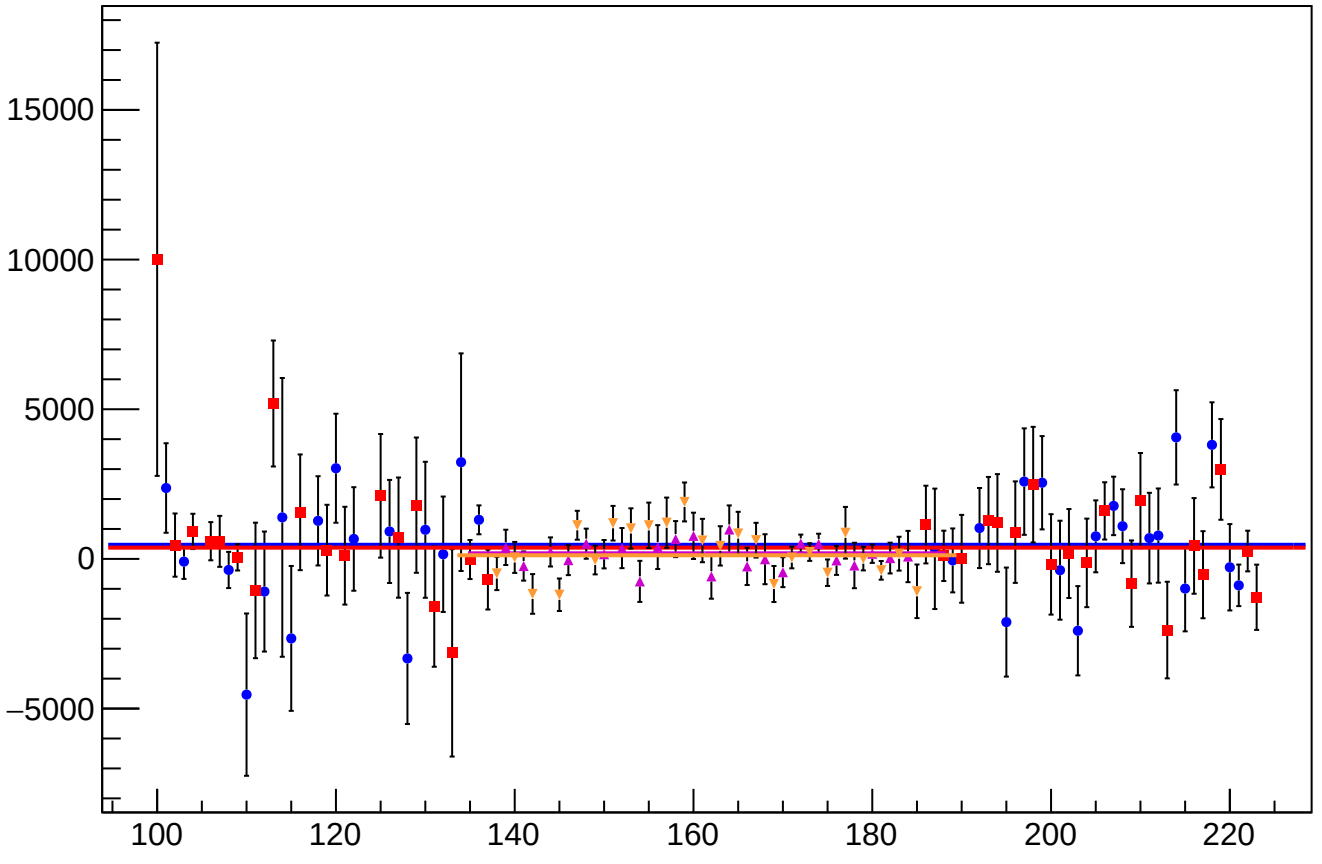
Right Out: 1536.677+/-0.239 χ^2/NDF: 3136714.5/36

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1532.823+/-0.173 χ^2/NDF: 1009337.4/57

All: 1534.472+/-0.123 χ^2/NDF: 4338679.2/11

- sign 1536.149+/-0.174 χ^2/NDF: 3329157.6/59



Right In: 471.794+/-204.294 χ^2/NDF: 46.8/33

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

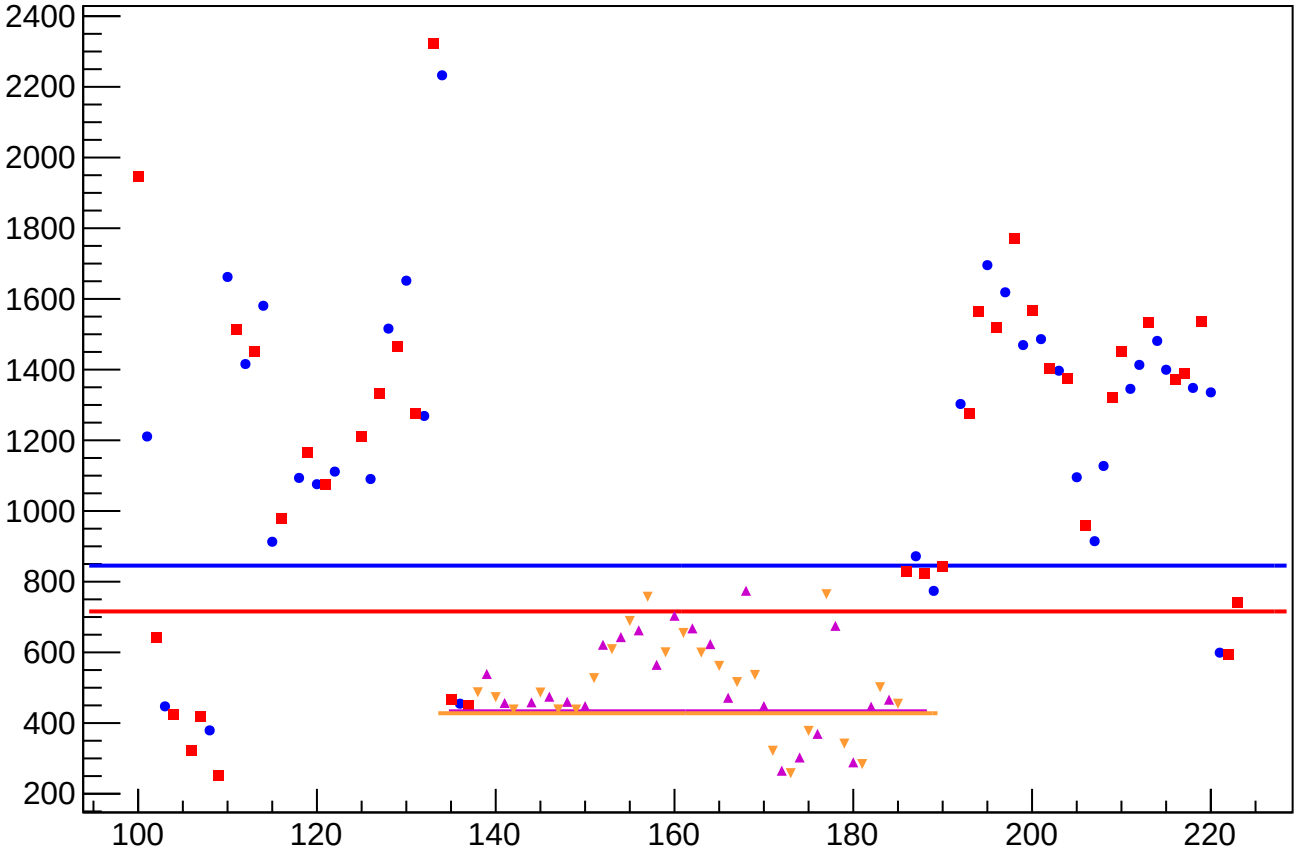
Right Out: 375.954+/-181.180 χ^2/NDF: 28.1/36

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

\+ sign 194.626+/-93.430 χ^2/NDF: 92.7/57

All: 215.540+/-65.596 χ^2/NDF: 133.3/117

\- sign 235.871+/-92.117 χ^2/NDF: 40.5/59



Right In: 845.459+/-0.144 χ^2/NDF: 8957448.1/33

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 715.822+/-0.128 χ^2/NDF: 12167206.1/36

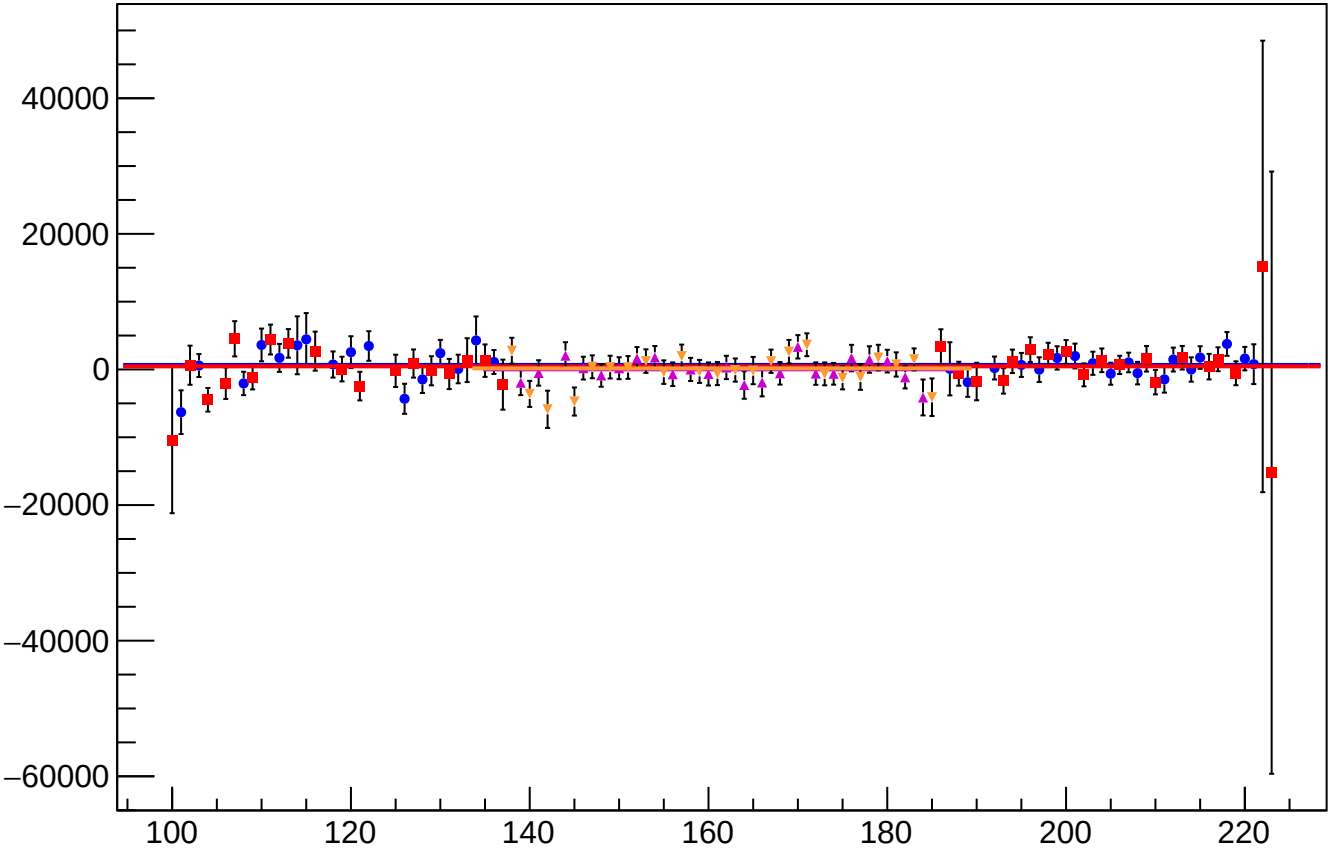
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 515.164+/-0.066 χ^2/NDF: 18756193.6/57

All: 510.680+/-0.046 χ^2/NDF: 37786737.3/11

- sign 506.320+/-0.065 χ^2/NDF: 19021456.7/59

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 669.052+/-337.365 χ^2/NDF: 29.9/33

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 458.645+/-341.228 χ^2/NDF: 35.4/36

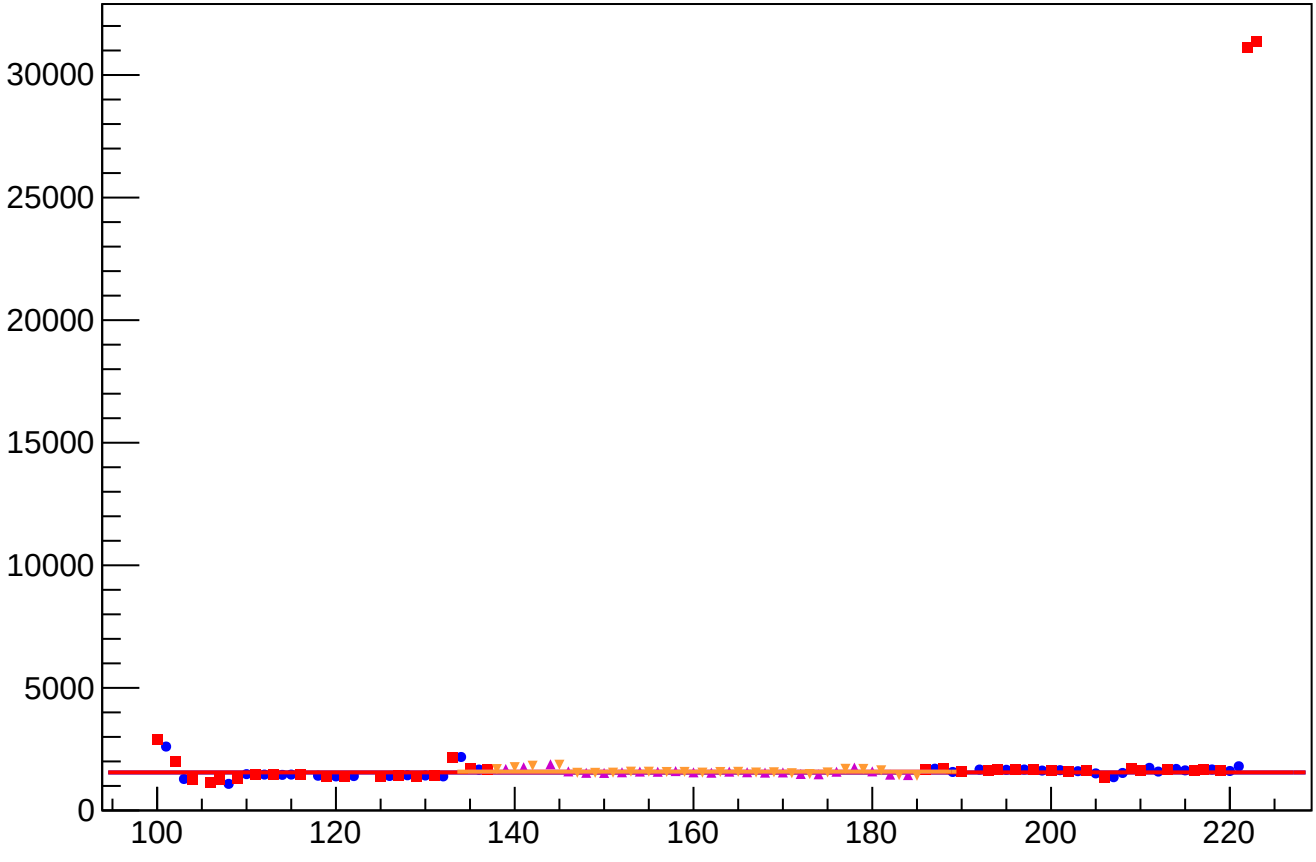
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 437.569+/-248.792 χ^2/NDF: 60.9/57

All: 348.013+/-176.618 χ^2/NDF: 113.2/117

\- sign 257.025+/-250.772 χ^2/NDF: 52.1/59

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1548.144+/-0.239 χ^2/NDF: 693788.6/33

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

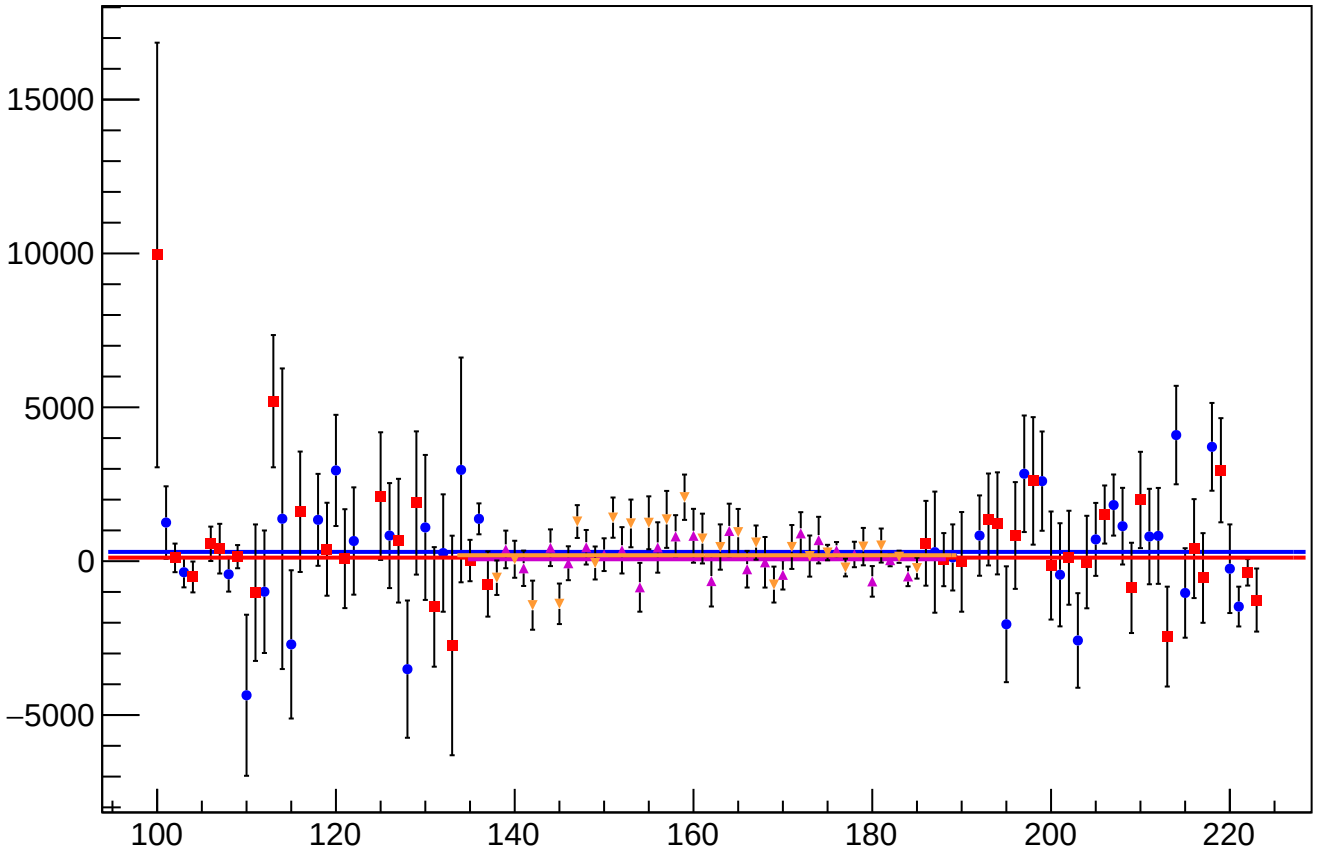
Right Out: 1552.927+/-0.241 χ^2/NDF: 3051791.4/36

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1564.351+/-0.176 χ^2/NDF: 837489.9/57

All: 1564.966+/-0.125 χ^2/NDF: 4021041.9/11

- sign 1565.592+/-0.177 χ^2/NDF: 3183527.3/59



Right In: 301.419+/-197.661 χ^2/NDF: 52.5/33

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

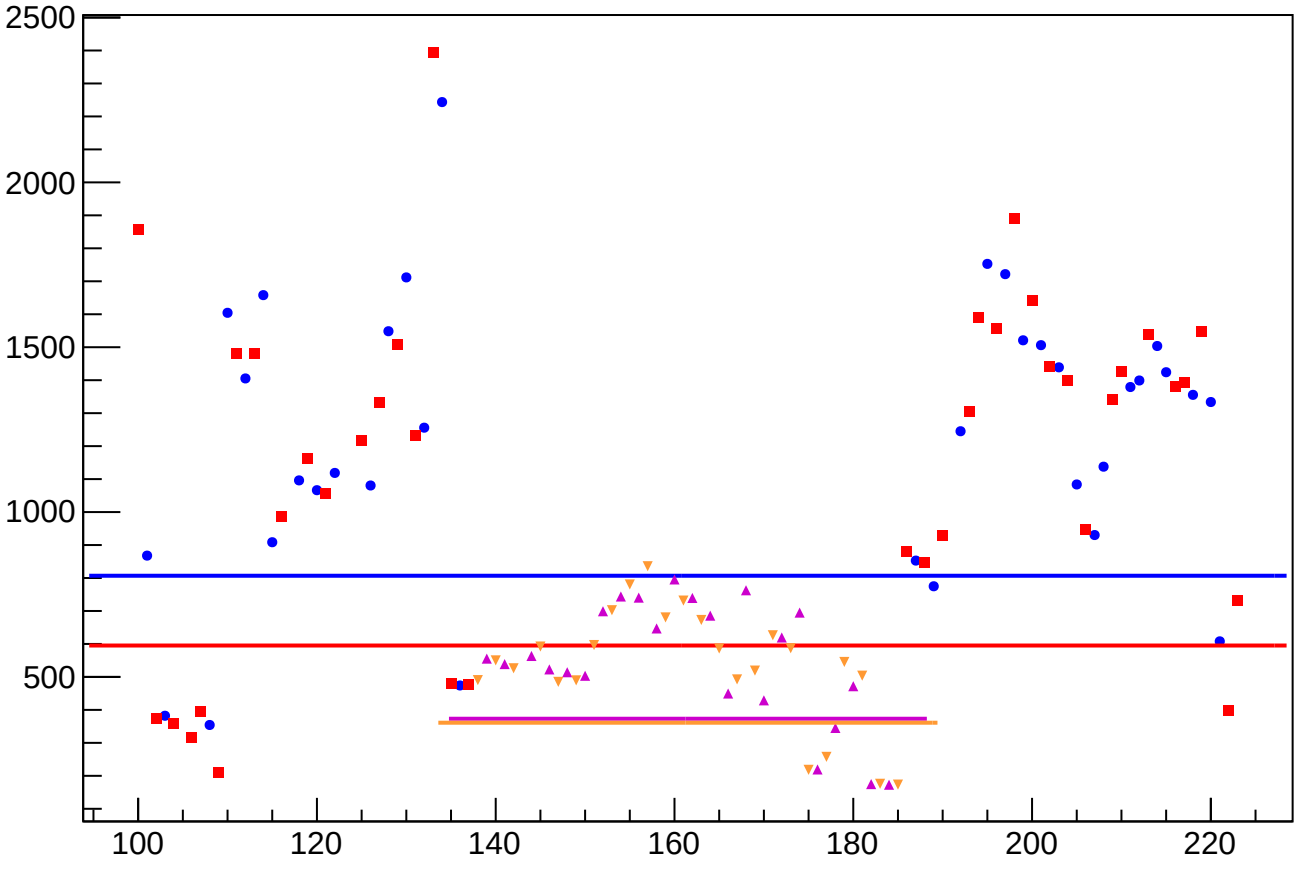
Right Out: 115.280+/-156.548 χ^2/NDF: 30.0/36

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

\+ sign 213.905+/-86.276 χ^2/NDF: 92.8/57

All: 143.968+/-60.224 χ^2/NDF: 141.3/117

\- sign 77.508+/-84.104 χ^2/NDF: 47.1/59



Right In: 806.870+/-0.140 χ^2/NDF: 9875558.6/33

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 595.240+/-0.111 χ^2/NDF: 15413946.4/36

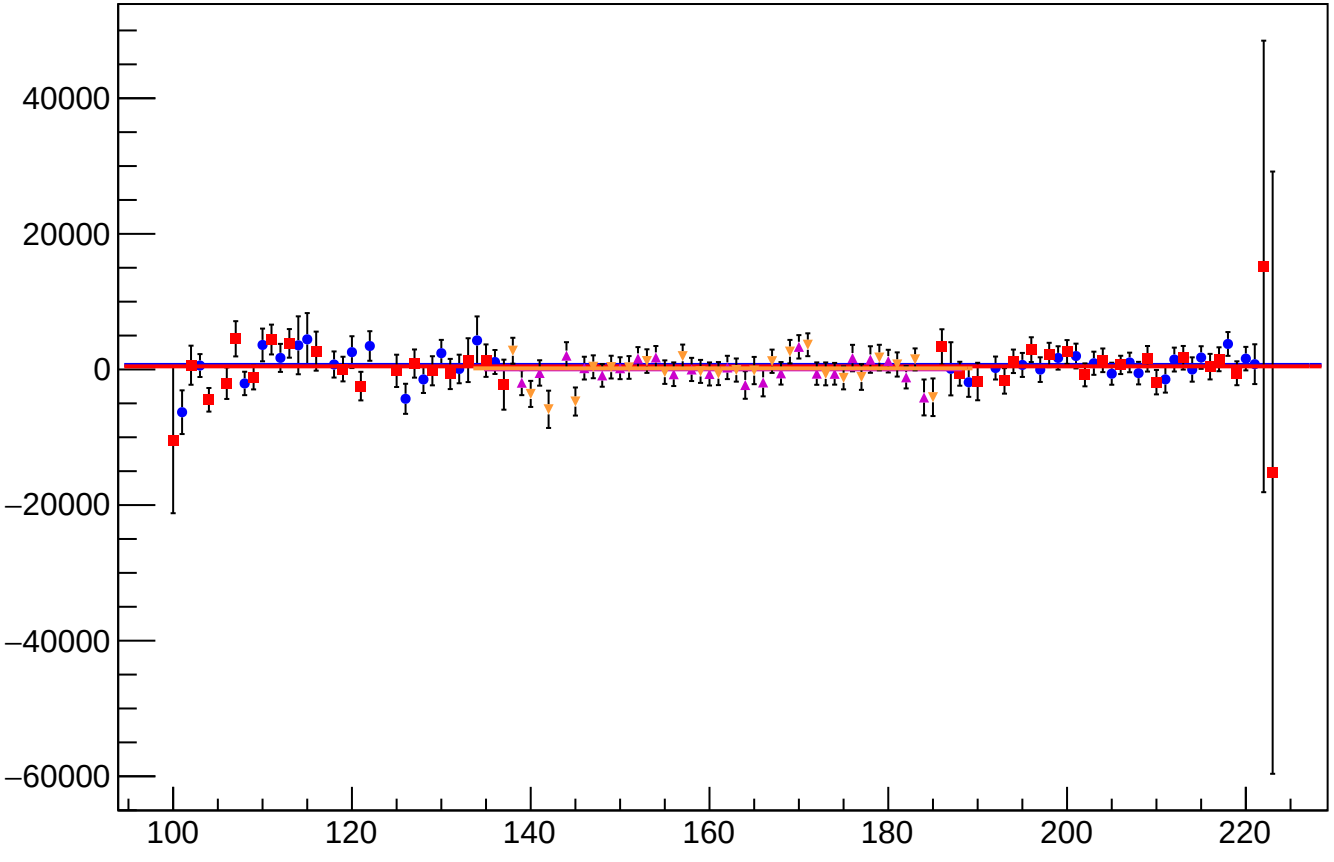
Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 446.028+/-0.061 χ^2/NDF: 26292790.4/57

All: 441.524+/-0.043 χ^2/NDF: 52788401.6/11

- sign 437.244+/-0.059 χ^2/NDF: 26484981.3/59

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 669.043+/-337.365 χ^2/NDF: 29.9/33

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 458.644+/-341.228 χ^2/NDF: 35.4/36

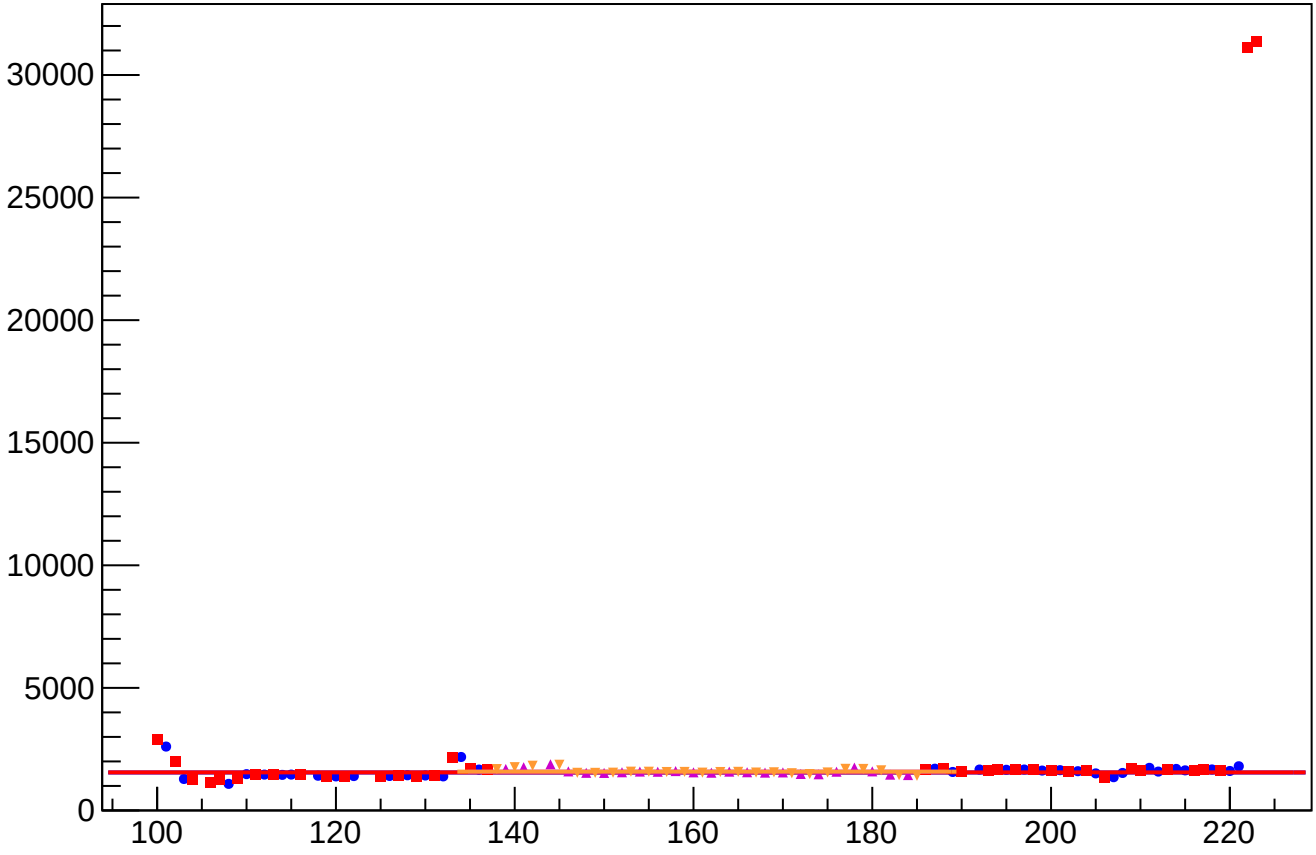
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 437.563+/-248.792 χ^2/NDF: 60.9/57

All: 348.009+/-176.618 χ^2/NDF: 113.2/117

- sign 257.024+/-250.772 χ^2/NDF: 52.1/59

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1548.144+/-0.239 χ^2/NDF: 693788.1/33

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

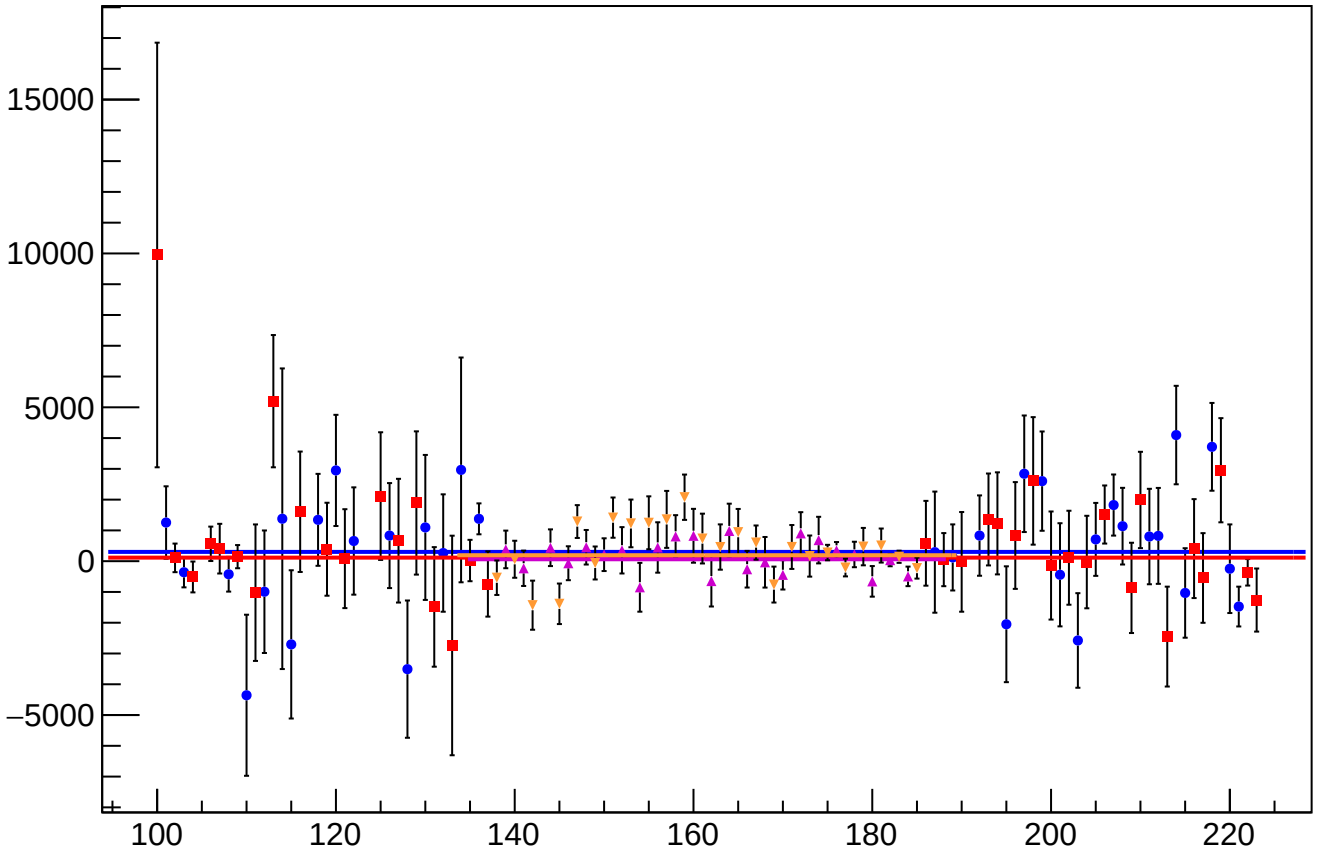
Right Out: 1552.927+/-0.241 χ^2/NDF: 3051791.4/36

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1564.351+/-0.176 χ^2/NDF: 837489.5/57

All: 1564.966+/-0.125 χ^2/NDF: 4021041.3/11

- sign 1565.591+/-0.177 χ^2/NDF: 3183527.1/59



Right In: 301.417+/-197.660 χ^2/NDF: 52.5/33

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

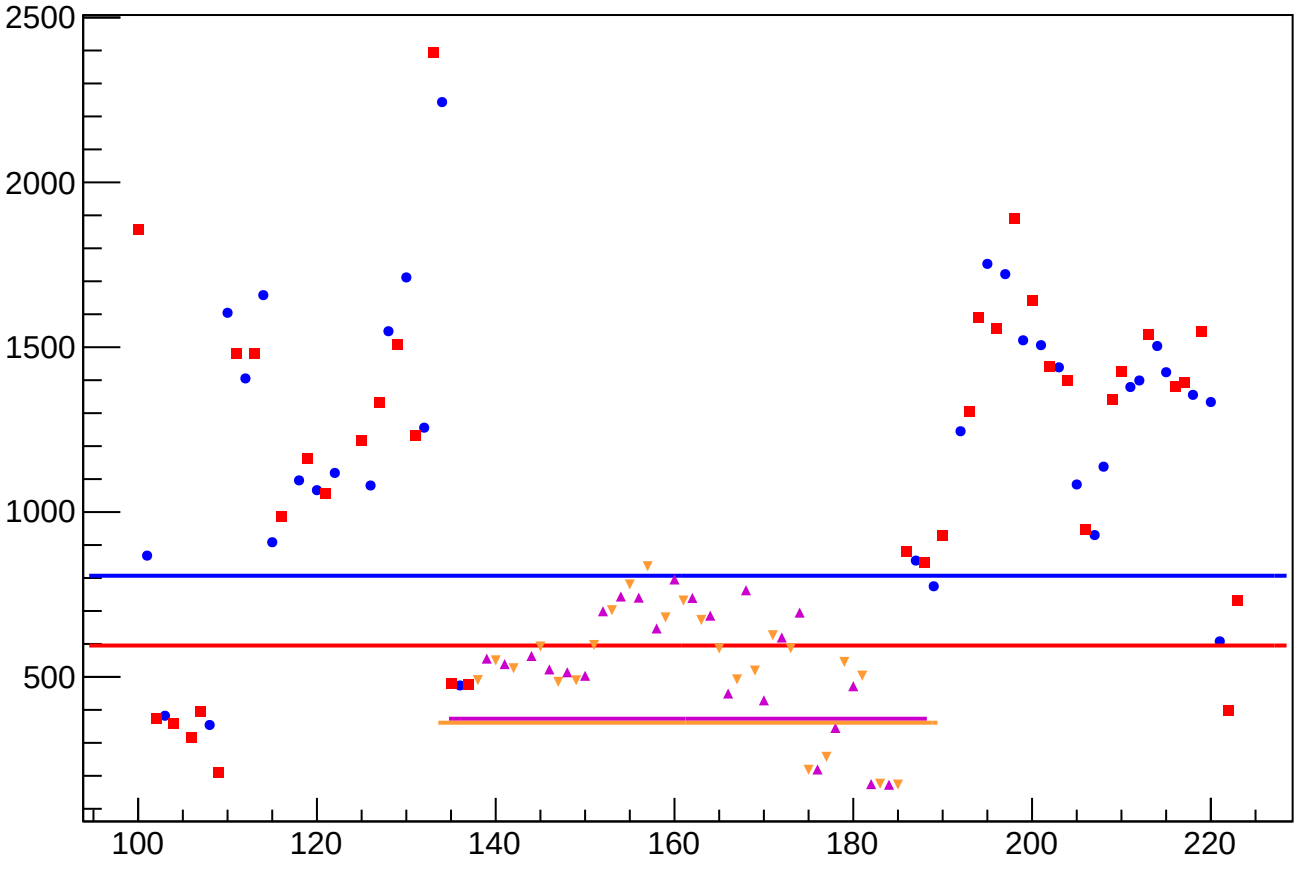
Right Out: 115.278+/-156.549 χ^2/NDF: 30.0/36

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

\+ sign 213.909+/-86.277 χ^2/NDF: 92.8/57

All: 143.969+/-60.224 χ^2/NDF: 141.3/117

\- sign 77.506+/-84.105 χ^2/NDF: 47.1/59



Right In: 806.868+/-0.140 χ^2/NDF: 9875551.6/33

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 595.246+/-0.111 χ^2/NDF: 15413752.5/36

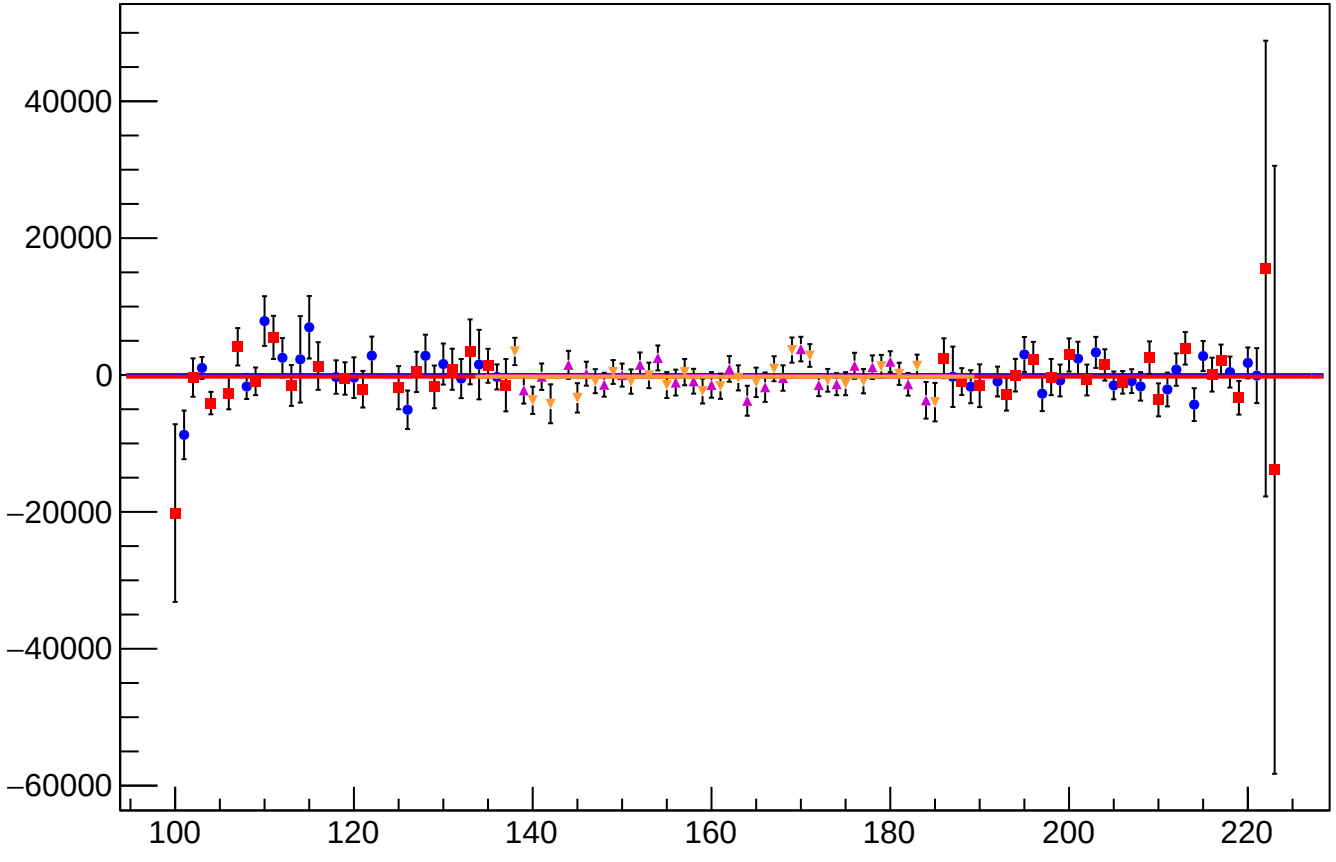
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 446.032+/-0.061 χ^2/NDF: 26292419.9/57

All: 441.529+/-0.043 χ^2/NDF: 52787581.4/11

- sign 437.249+/-0.059 χ^2/NDF: 26484535.2/59

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -11.019+/-425.790 χ^2/NDF: 35.1/33

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

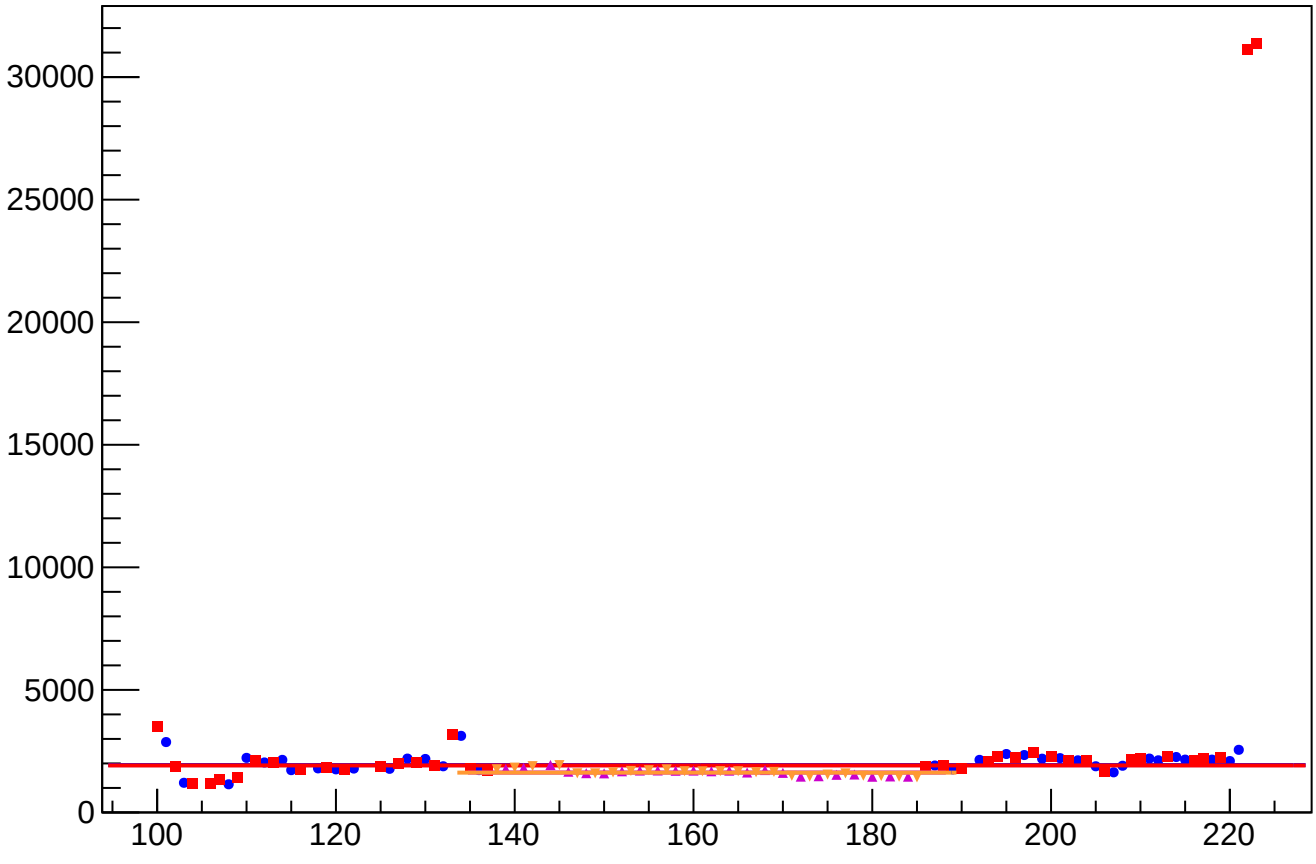
Right Out: -242.936+/-426.934 χ^2/NDF: 32.9/36

Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -142.983+/-282.773 χ^2/NDF: 61.3/57

All: -160.367+/-200.521 χ^2/NDF: 115.4/117

- sign -177.951+/-284.392 χ^2/NDF: 54.1/59



Right In: 1932.786+/-0.301 χ^2/NDF: 1570850.9/33

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

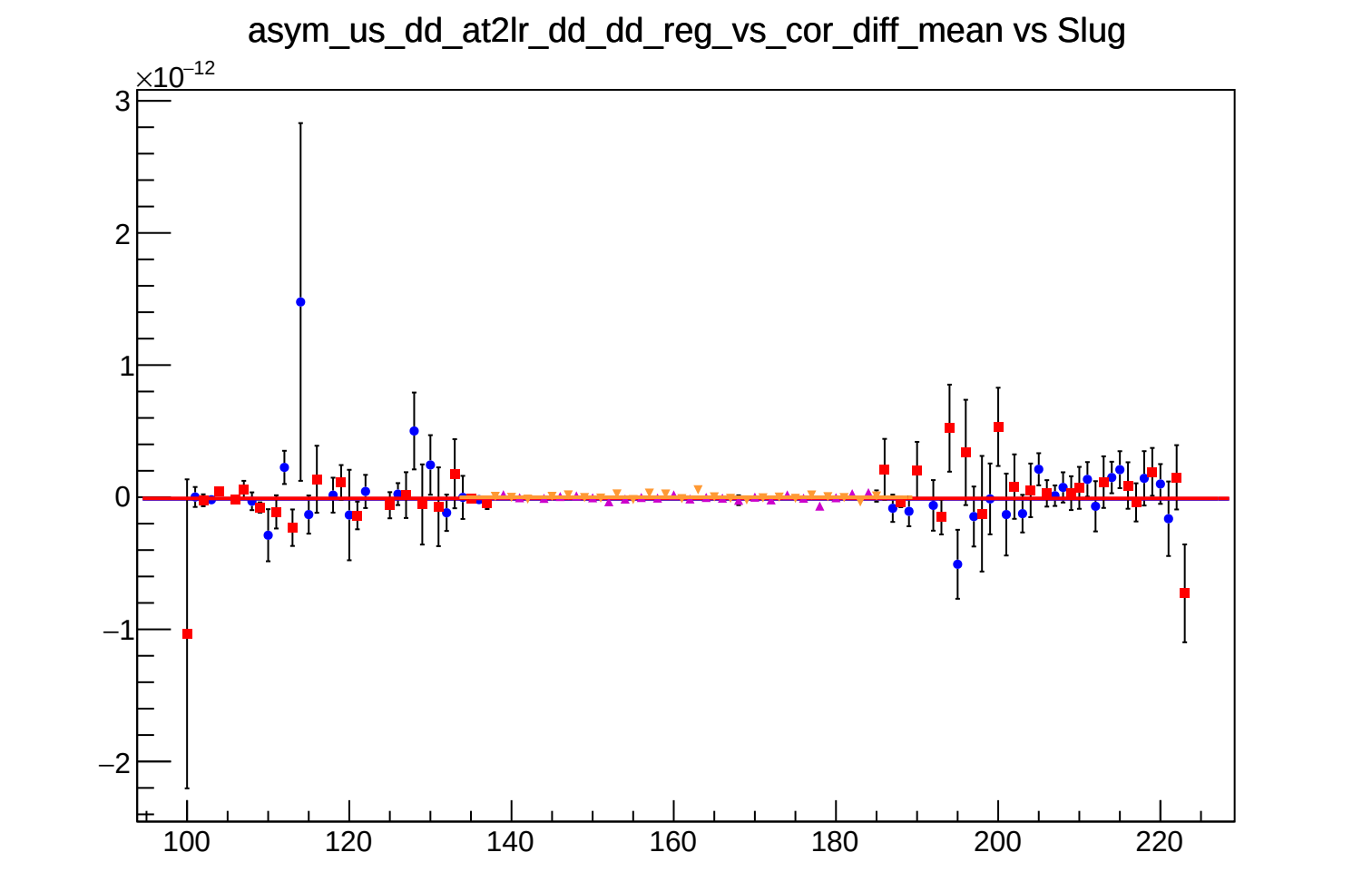
Right Out: 1918.257+/-0.302 χ^2/NDF: 3929934.4/36

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1760.532+/-0.200 χ^2/NDF: 2363707.7/57

All: 1758.735+/-0.142 χ^2/NDF: 7012141.1/11

- sign 1756.917+/-0.201 χ^2/NDF: 4648270.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

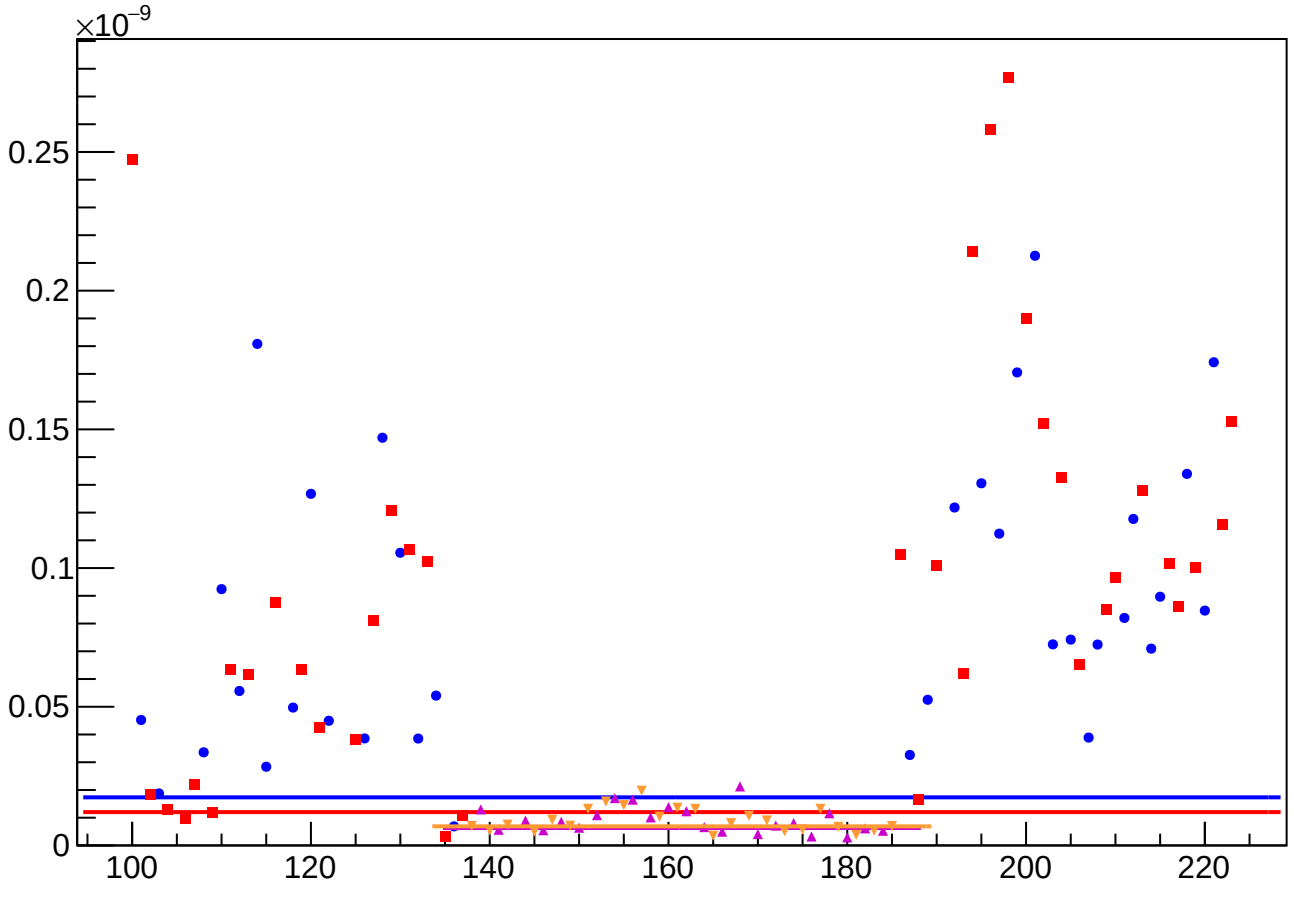
Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/36

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

\+ sign -0.000+/-0.000 χ^2/NDF: 54.6/57

All: -0.000+/-0.000 χ^2/NDF: 113.3/117

\- sign -0.000+/-0.000 χ^2/NDF: 58.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 11977521.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

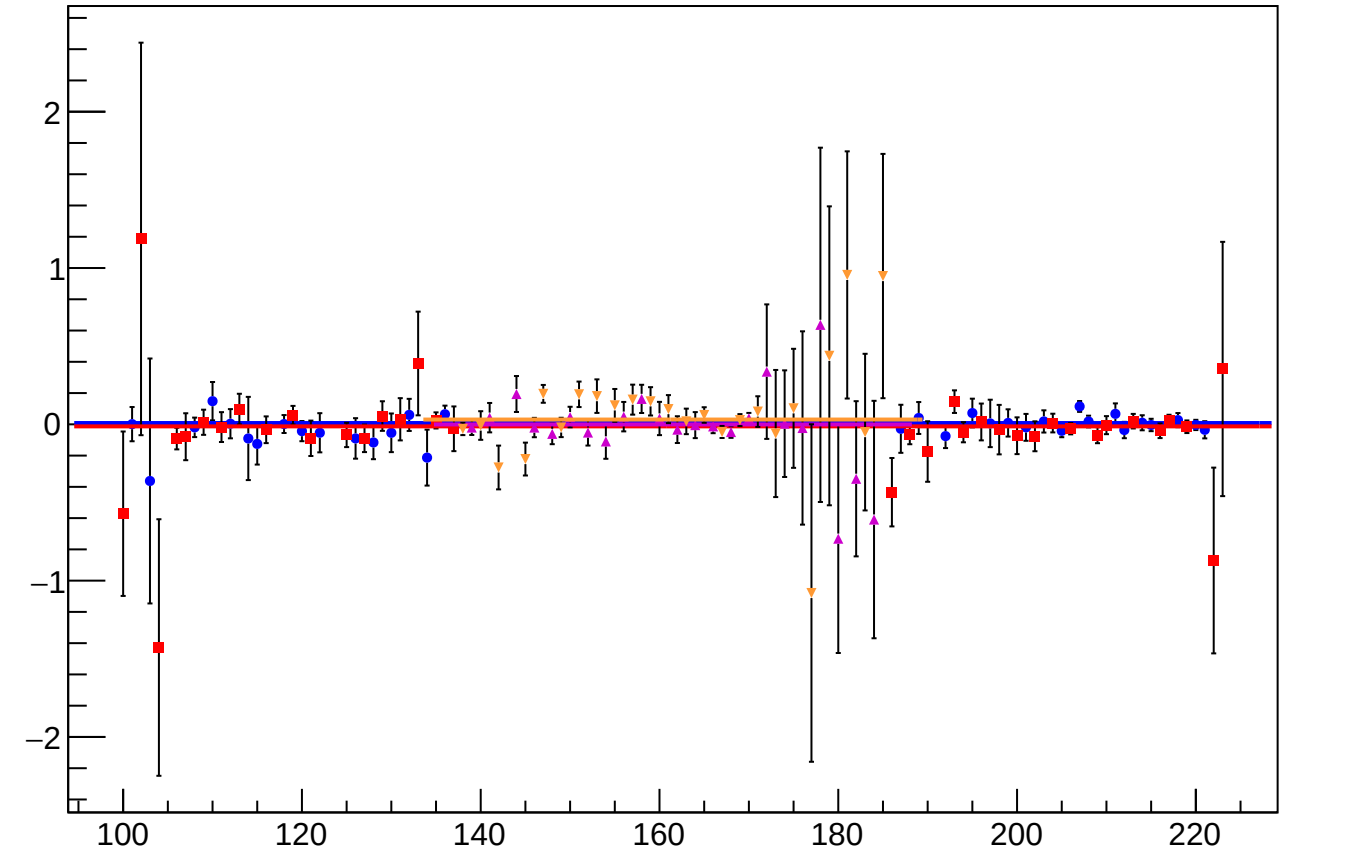
Right Out: 0.000+/-0.000 χ^2/NDF: 13862616.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16326106.8/57

All: 0.000+/-0.000 χ^2/NDF: 34043394.9/117

- sign 0.000+/-0.000 χ^2/NDF: 17610848.5/59



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

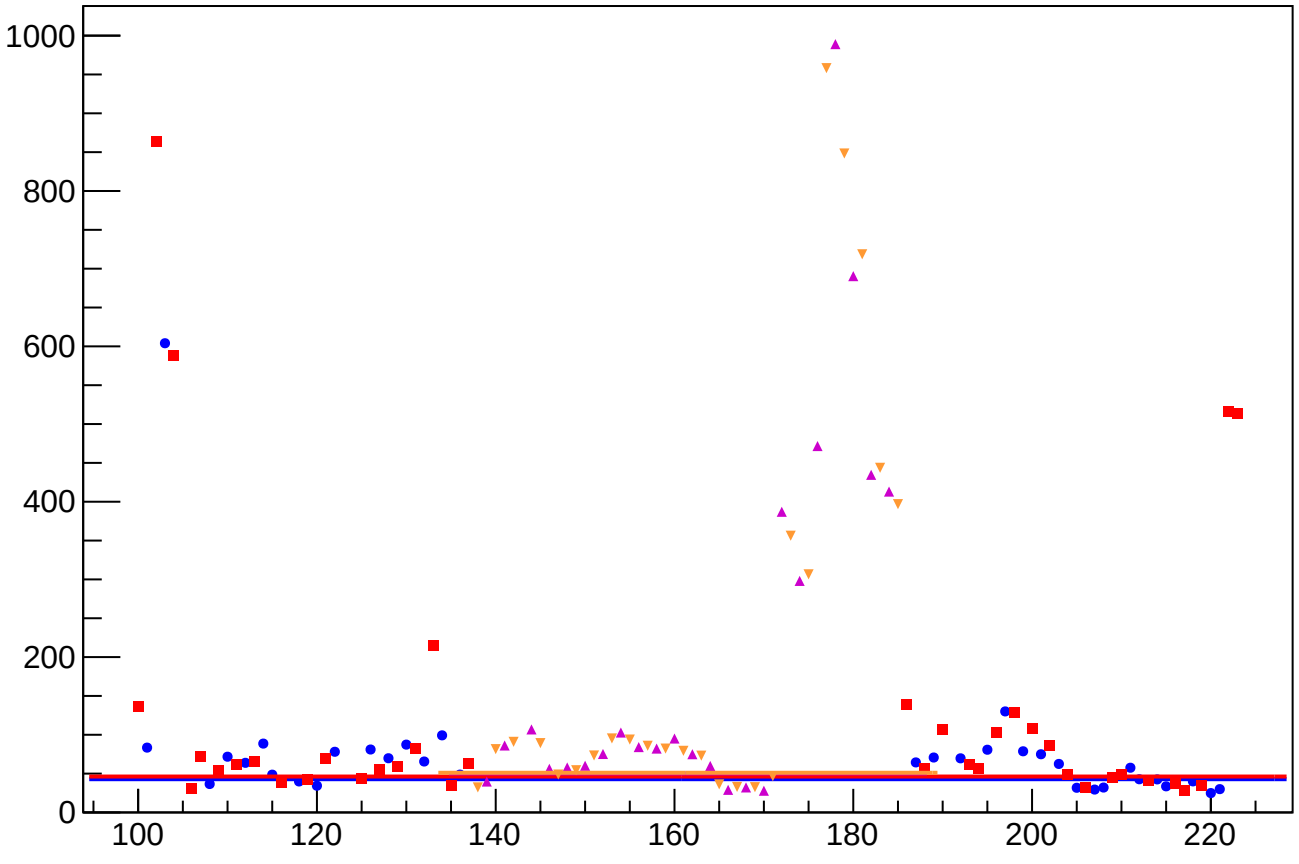
Right Out: -0.013+/-0.012 χ^2/NDF: 30.6/36

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 67.1/57

All: 0.004+/-0.006 χ^2/NDF: 117.6/117

- sign -0.008+/-0.009 χ^2/NDF: 47.0/59



Right In: 42.810+/-0.008 χ^2/NDF: 6405115.3/33

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

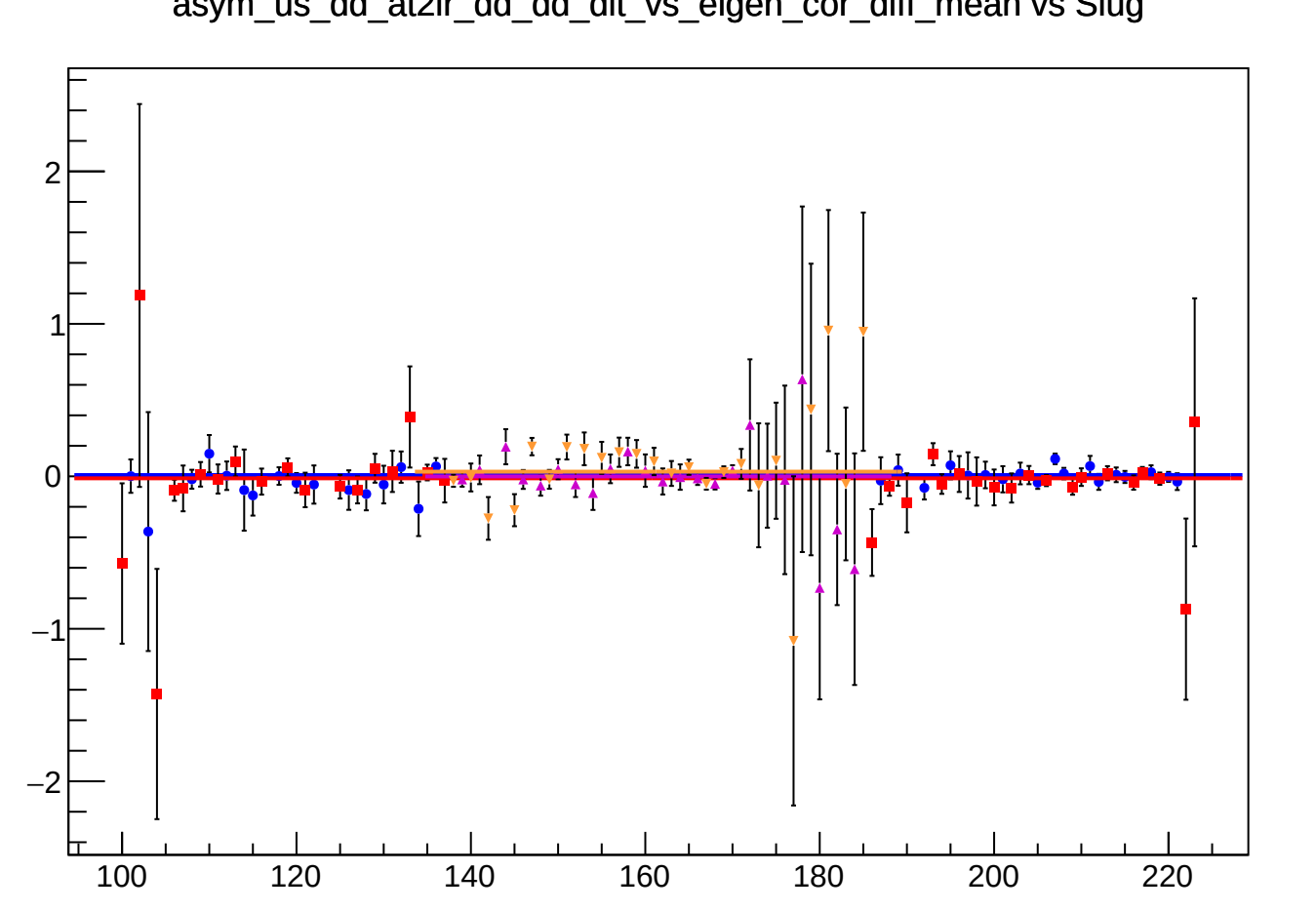
Right Out: 46.245+/-0.008 χ^2/NDF: 8677915.7/36

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 45.566+/-0.006 χ^2/NDF: 18522804.9/57

All: 46.609+/-0.005 χ^2/NDF: 39539466.6/117

- sign 47.757+/-0.007 χ^2/NDF: 20959422.1/59



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

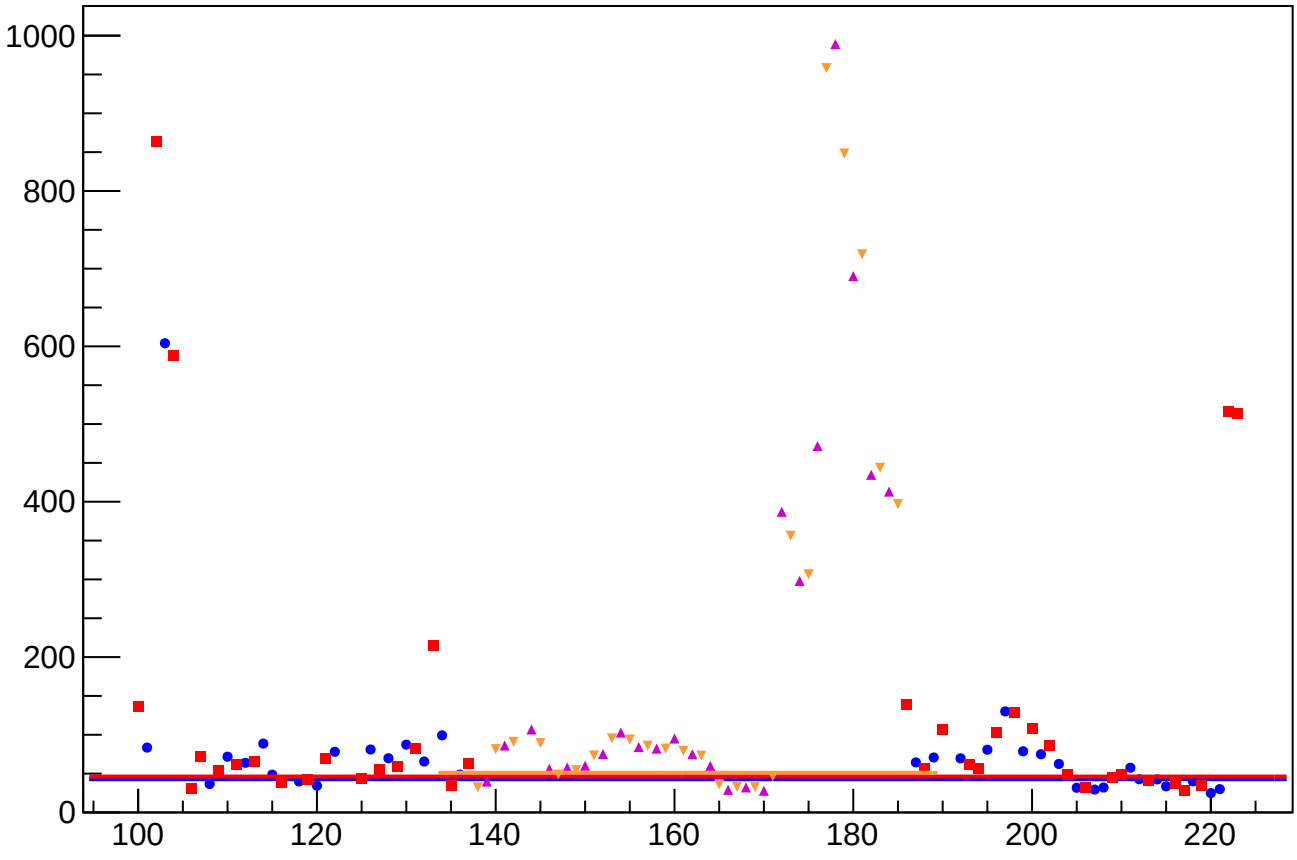
Right Out: -0.013+/-0.012 χ^2/NDF: 30.6/36

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 67.1/57

All: 0.004+/-0.006 χ^2/NDF: 117.6/117

- sign -0.008+/-0.009 χ^2/NDF: 47.0/59



Right In: 42.810+/-0.008 χ^2/NDF: 6405115.3/33

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

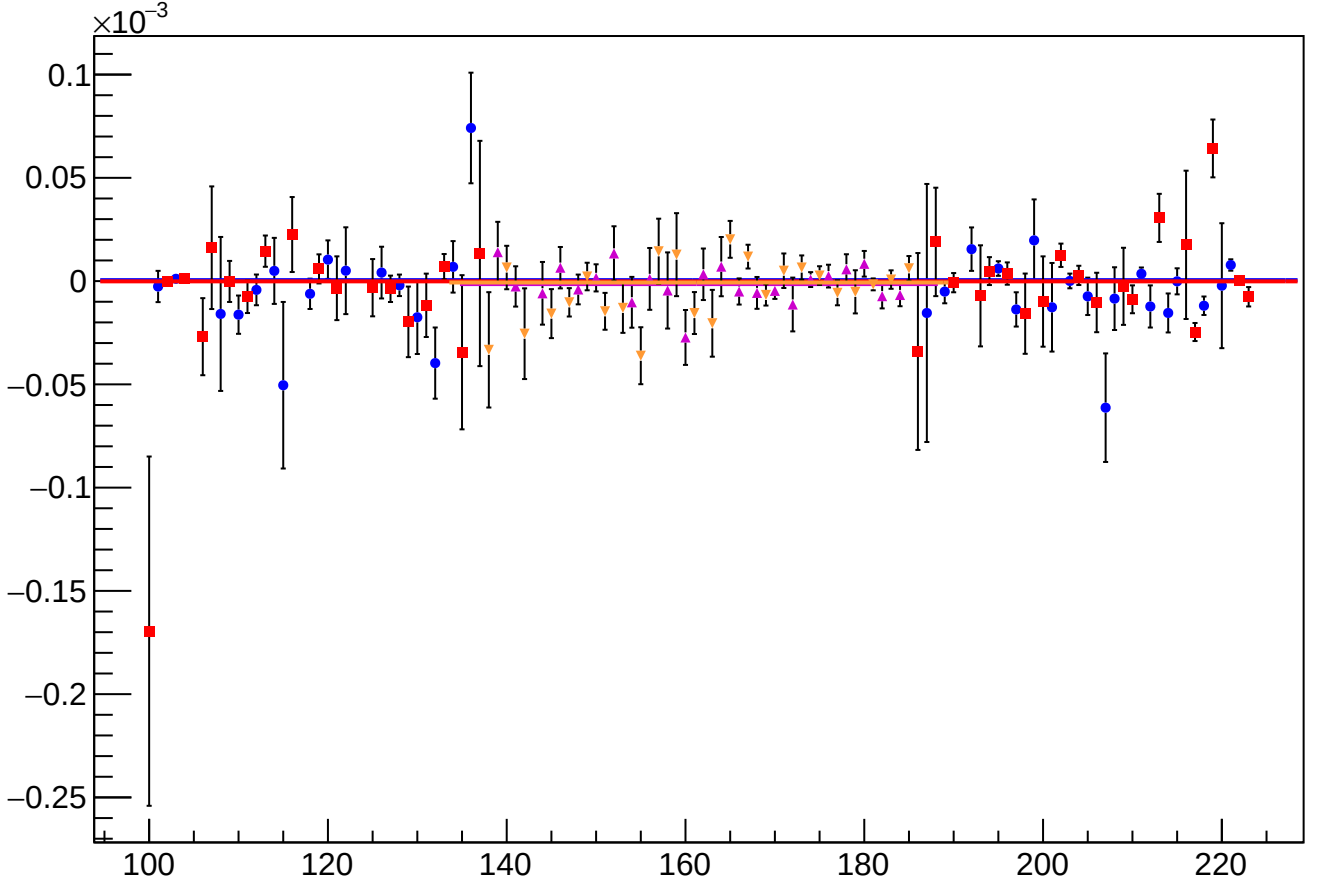
Right Out: 46.245+/-0.008 χ^2/NDF: 8677915.7/36

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 45.566+/-0.006 χ^2/NDF: 18522804.9/57

All: 46.609+/-0.005 χ^2/NDF: 39539466.6/117

- sign 47.757+/-0.007 χ^2/NDF: 20959422.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 59.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

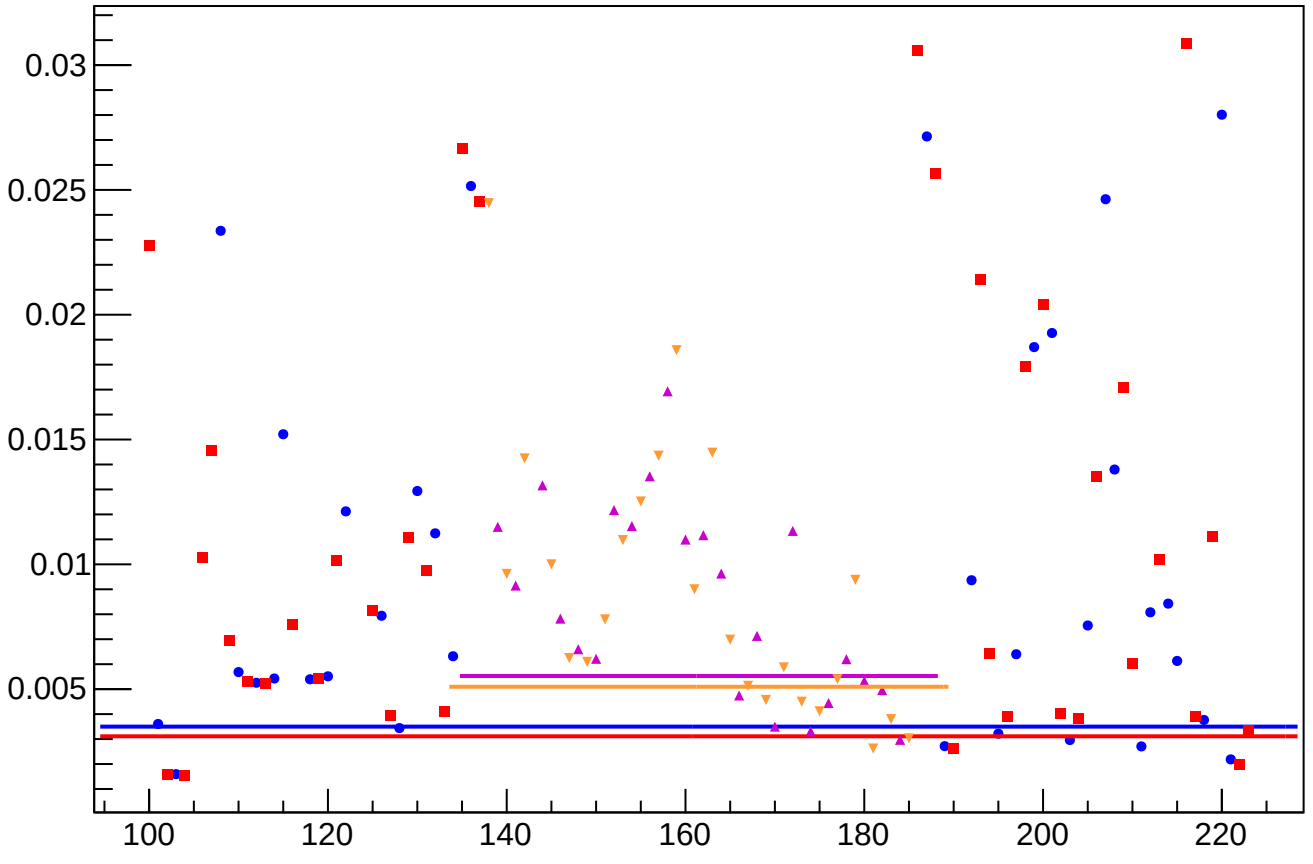
Right Out: -0.000+/-0.000 χ^2/NDF: 91.2/36

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 98.0/57

All: -0.000+/-0.000 χ^2/NDF: 206.4/117

- sign -0.000+/-0.000 χ^2/NDF: 108.2/59



Right In: 0.003+/-0.000 χ^2/NDF: 15233616.9/33

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

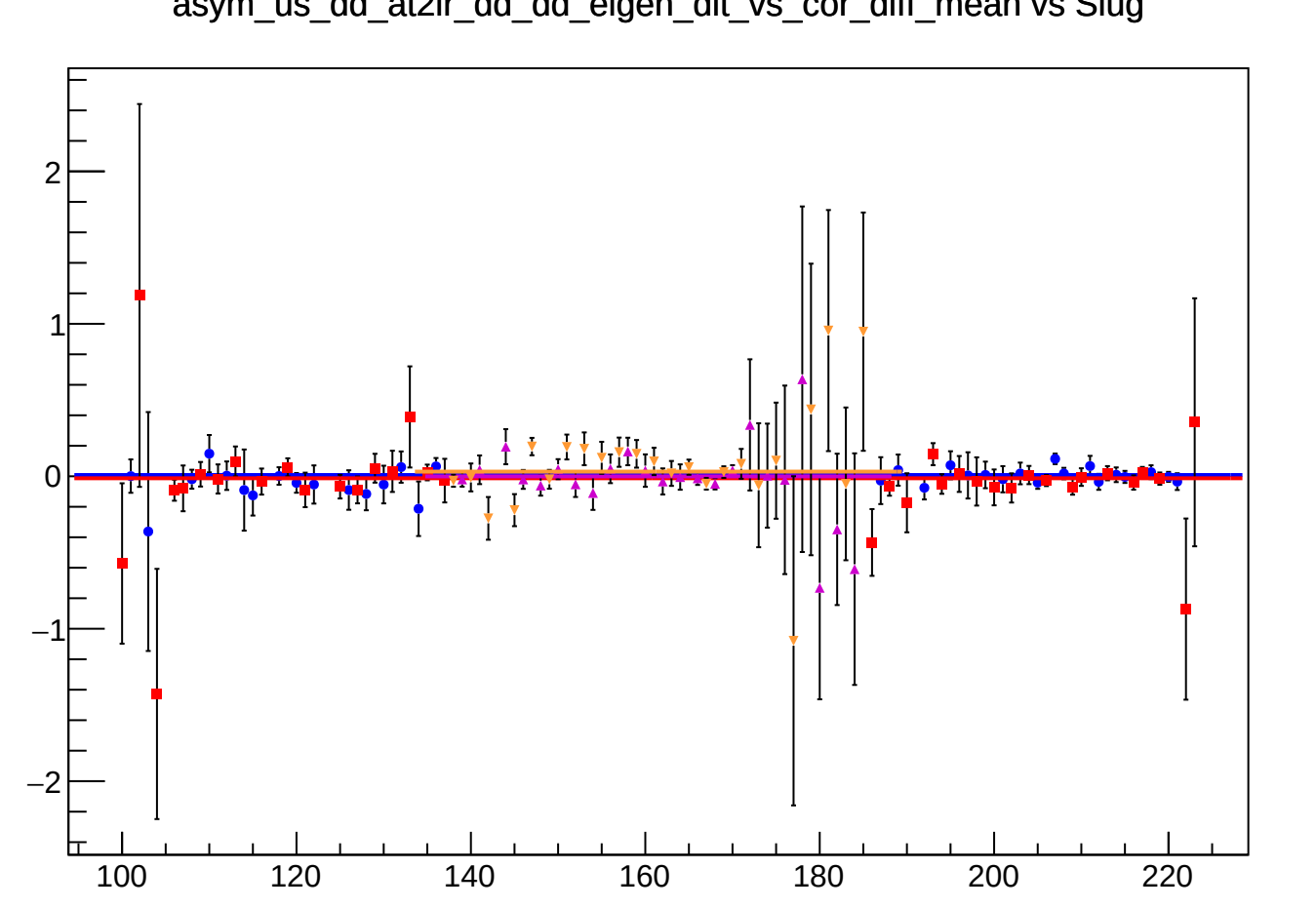
Right Out: 0.003+/-0.000 χ^2/NDF: 18741665.8/36

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 25323699.7/57

All: 0.004+/-0.000 χ^2/NDF: 54815549.2/117

- sign 0.004+/-0.000 χ^2/NDF: 29362448.6/59



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

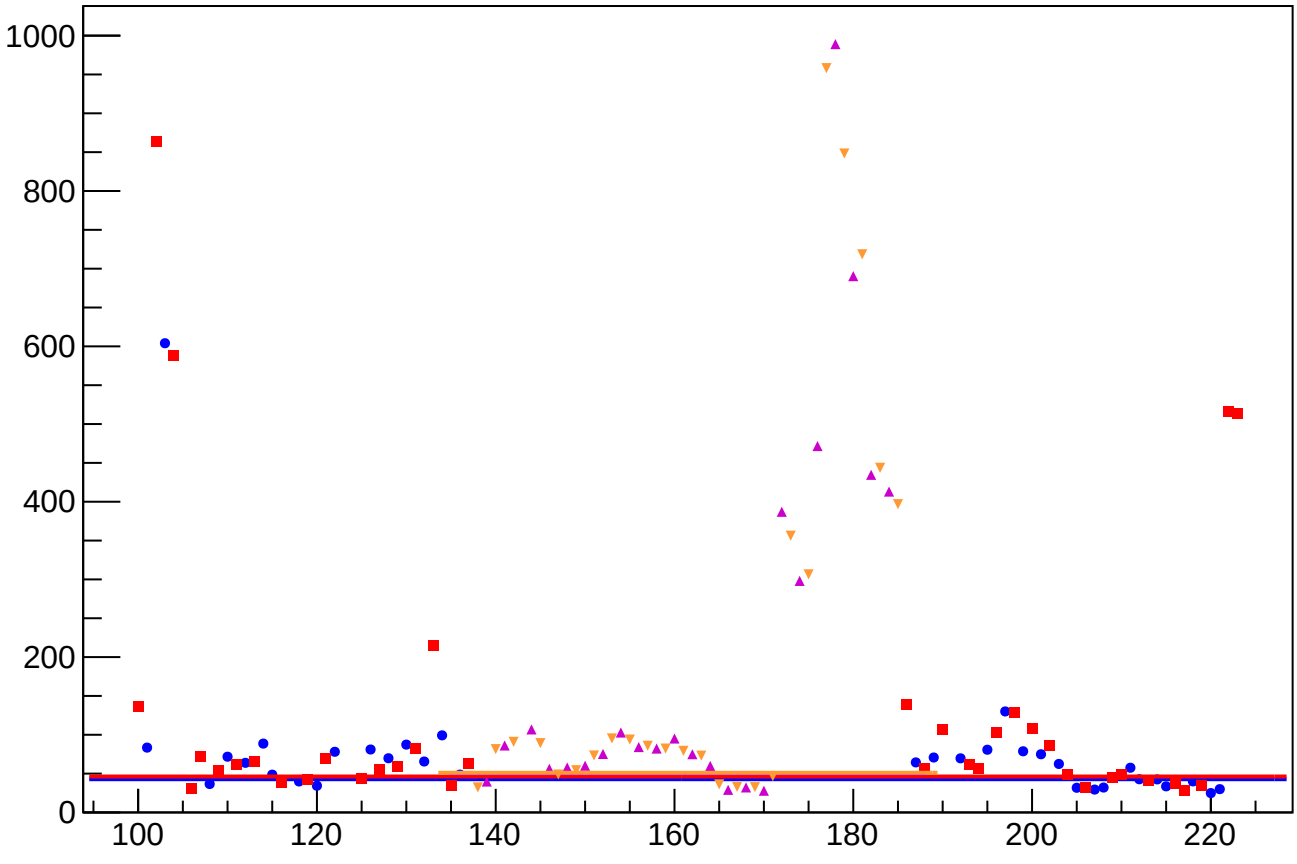
Right Out: -0.013+/-0.012 χ^2/NDF: 30.6/36

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 67.1/57

All: 0.004+/-0.006 χ^2/NDF: 117.6/117

- sign -0.008+/-0.009 χ^2/NDF: 47.0/59



Right In: 42.809+/-0.008 χ^2/NDF: 6405432.2/33

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 46.248+/-0.008 χ^2/NDF: 8677107.4/36

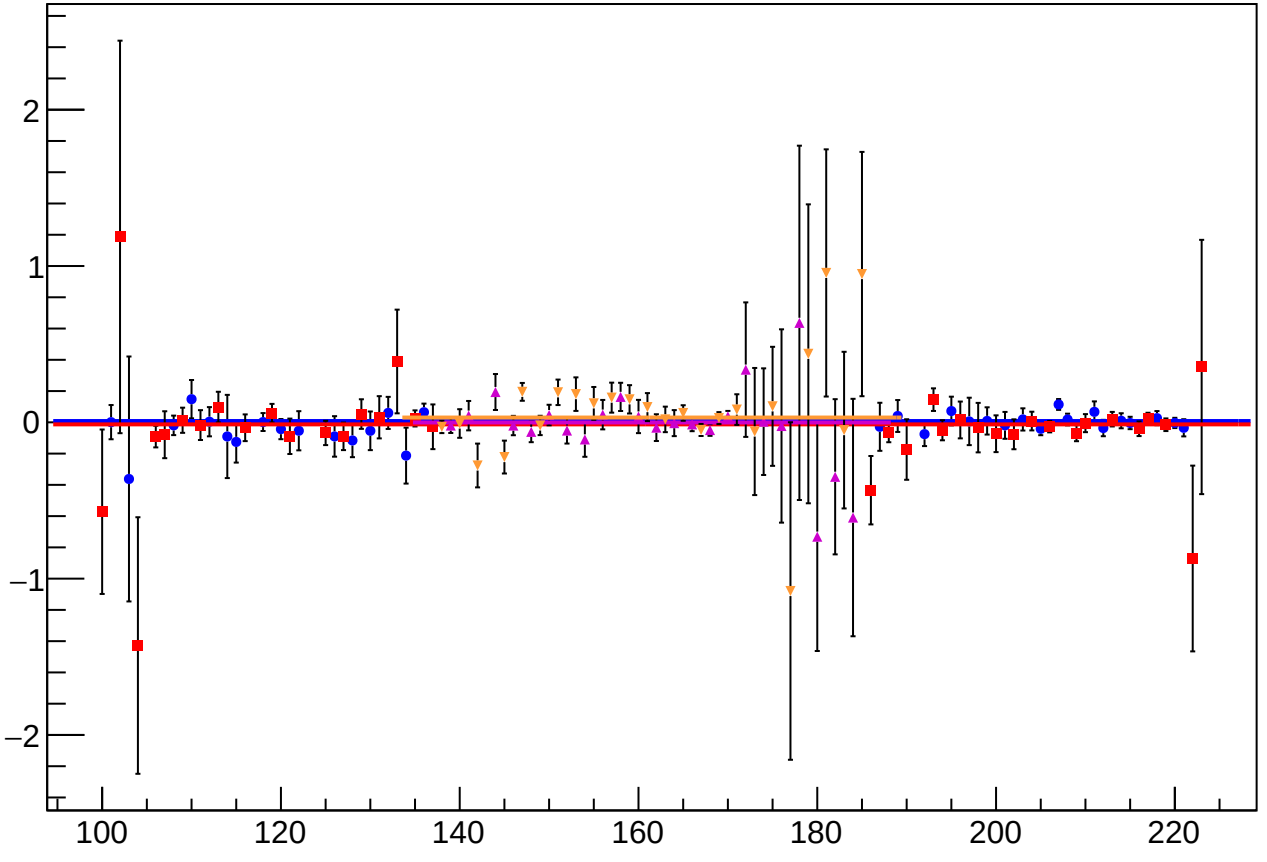
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 45.567+/-0.006 χ^2/NDF: 18522577.7/57

All: 46.610+/-0.005 χ^2/NDF: 39538336.7/117

- sign 47.759+/-0.007 χ^2/NDF: 20958426.0/59

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

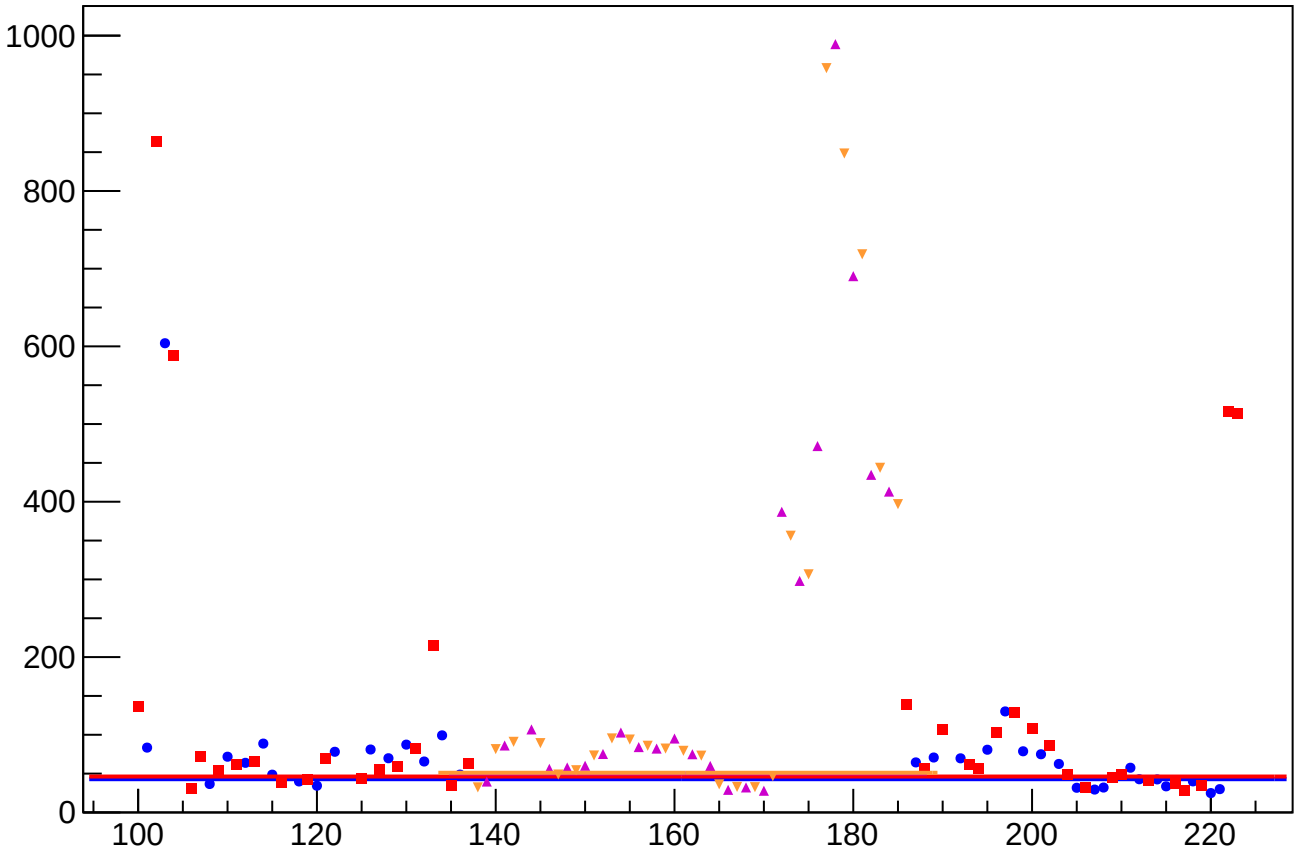
Right Out: -0.013+/-0.012 χ^2/NDF: 30.6/36

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 67.1/57

All: 0.004+/-0.006 χ^2/NDF: 117.6/117

- sign -0.008+/-0.009 χ^2/NDF: 47.0/59



Right In: 42.809+/-0.008 χ^2/NDF: 6405432.2/33

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

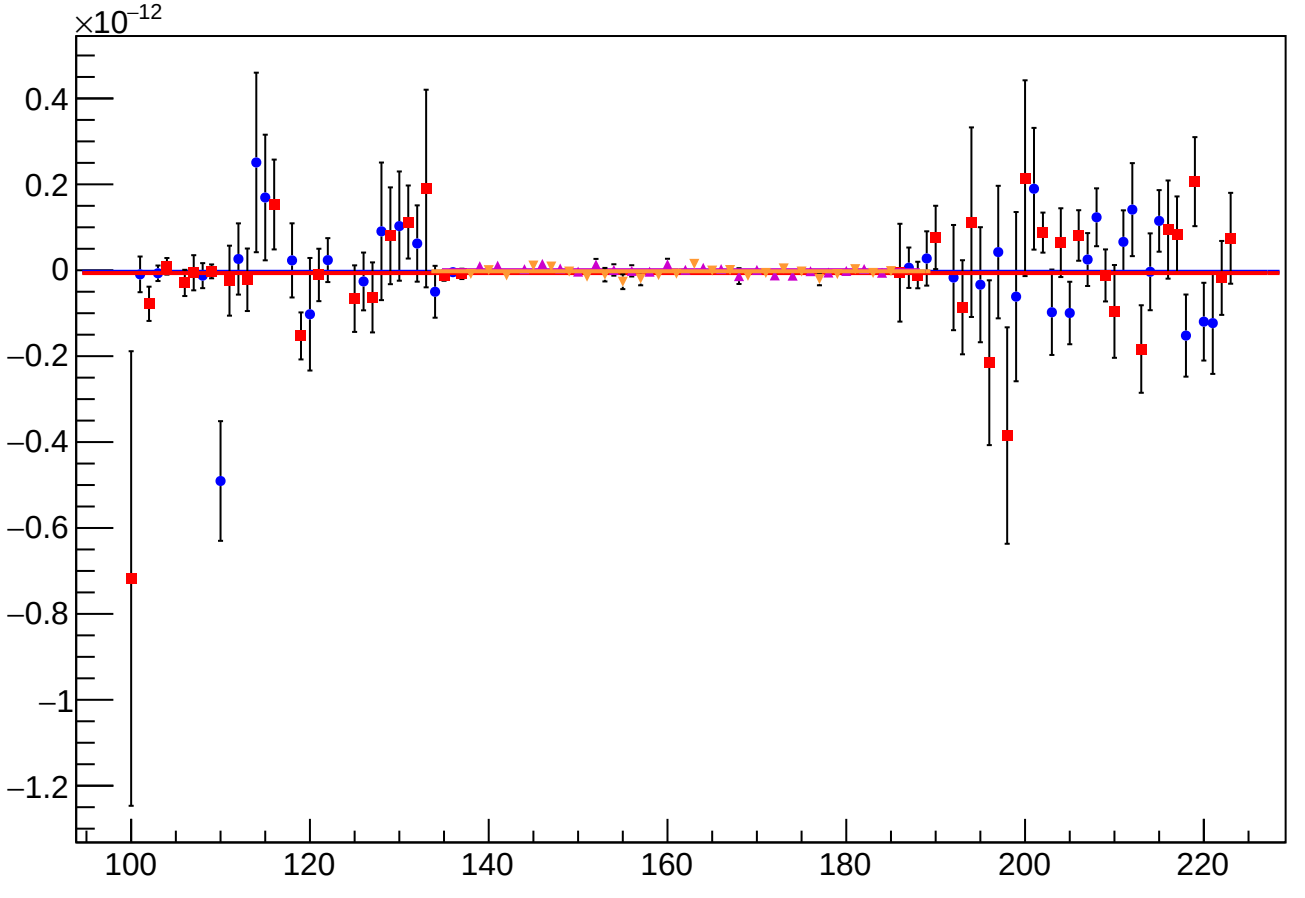
Right Out: 46.248+/-0.008 χ^2/NDF: 8677107.4/36

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 45.567+/-0.006 χ^2/NDF: 18522577.7/57

All: 46.610+/-0.005 χ^2/NDF: 39538336.7/117

- sign 47.759+/-0.007 χ^2/NDF: 20958426.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

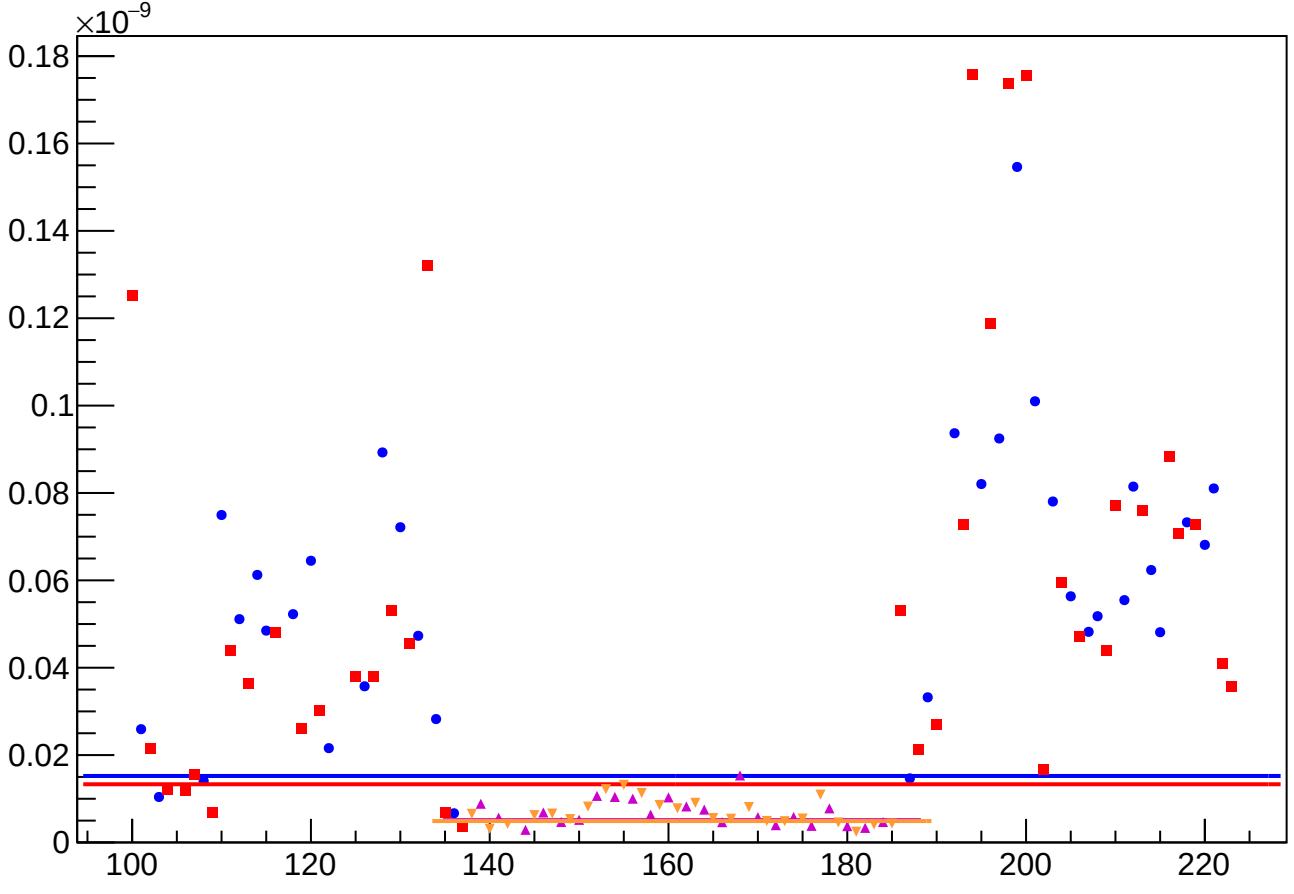
Right Out: -0.000+/-0.000 χ^2/NDF: 44.4/36

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.2/57

All: -0.000+/-0.000 χ^2/NDF: 125.0/117

- sign -0.000+/-0.000 χ^2/NDF: 63.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 16143353.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15265587.6/36

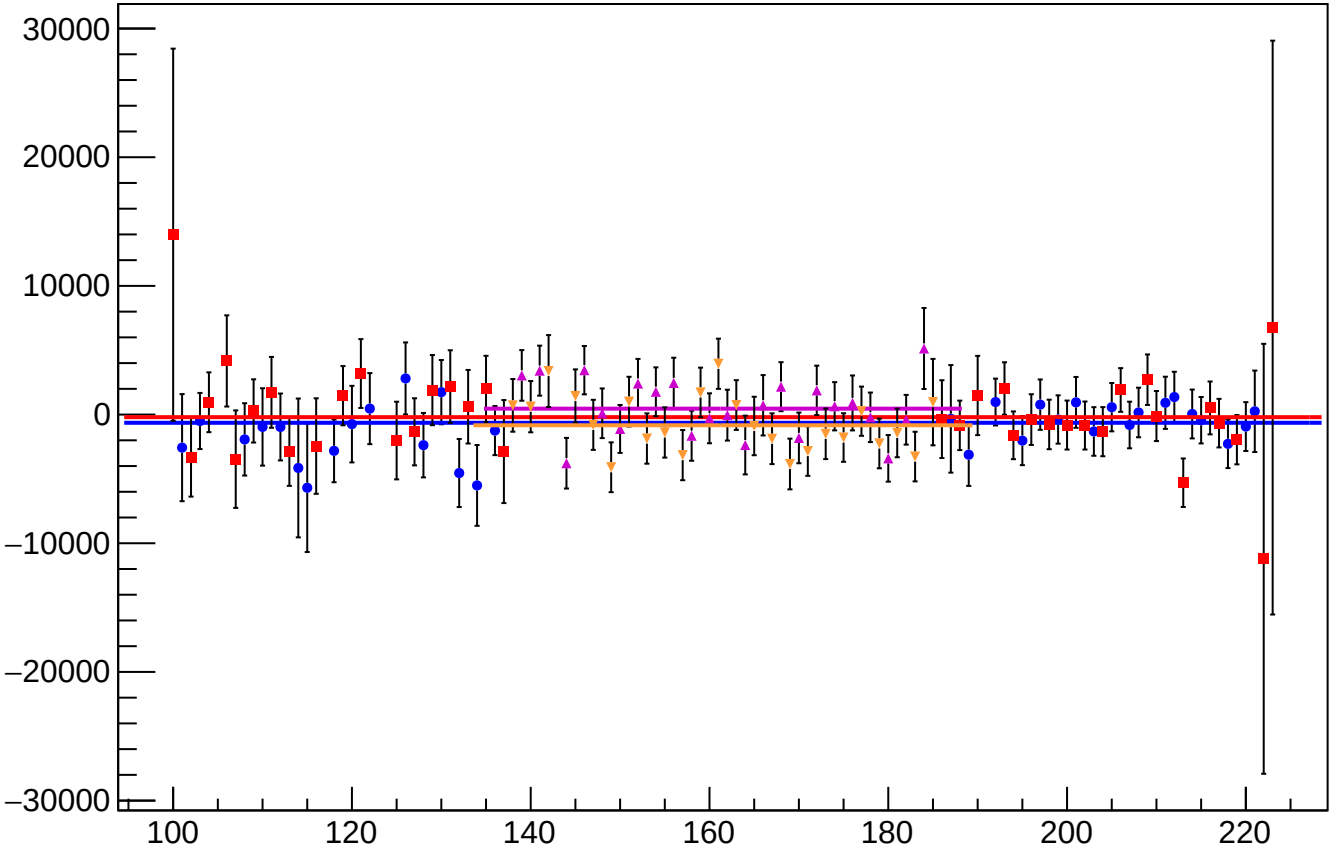
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 25304481.2/57

All: 0.000+/-0.000 χ^2/NDF: 47822904.7/117

- sign 0.000+/-0.000 χ^2/NDF: 22502637.6/59

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -637.844+/-389.355 χ^2/NDF: 17.4/33

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -201.874+/-393.185 χ^2/NDF: 27.1/36

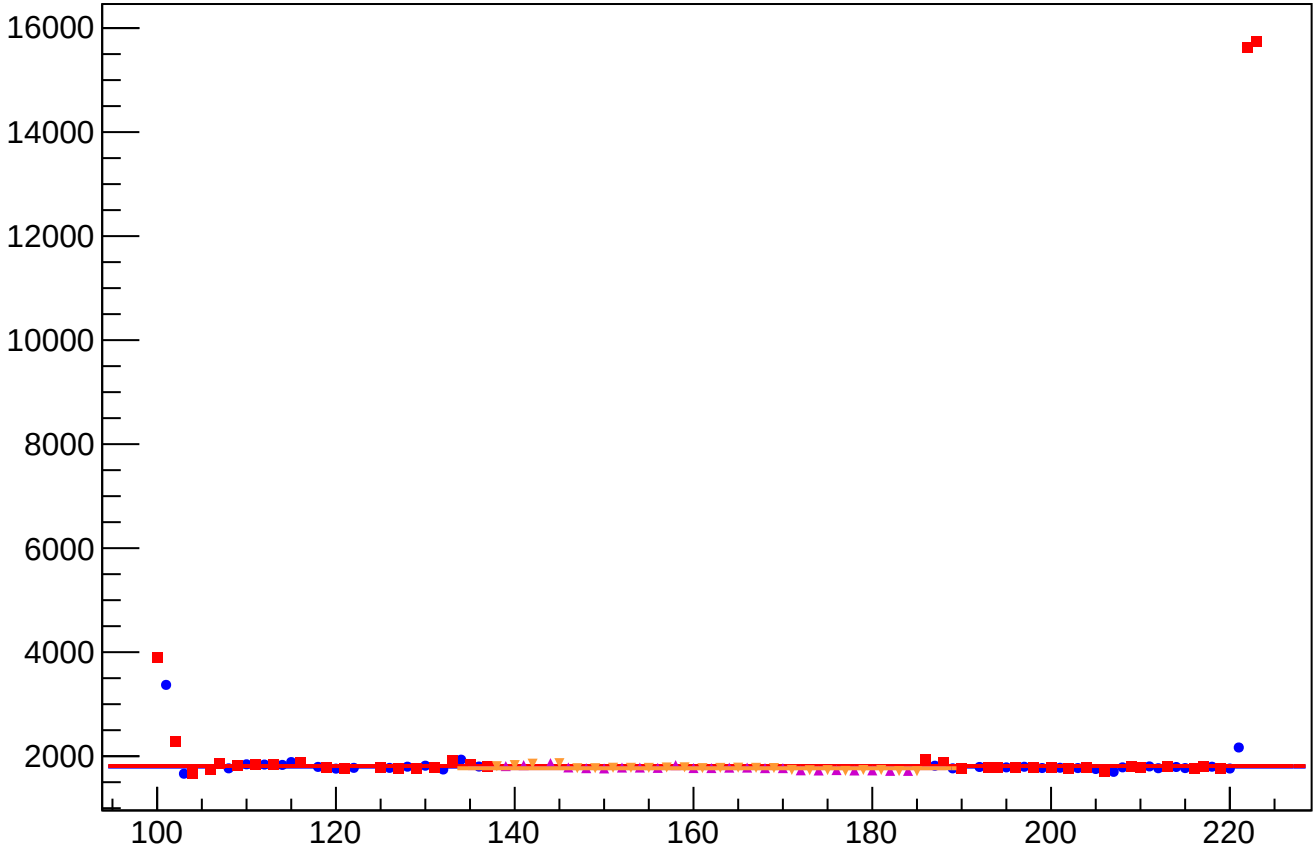
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -730.081+/-282.478 χ^2/NDF: 42.9/57

All: -312.702+/-200.621 χ^2/NDF: 103.0/117

- sign 112.103+/-284.980 χ^2/NDF: 55.7/59

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1799.331+/-0.275 χ^2/NDF: 337951.6/33

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

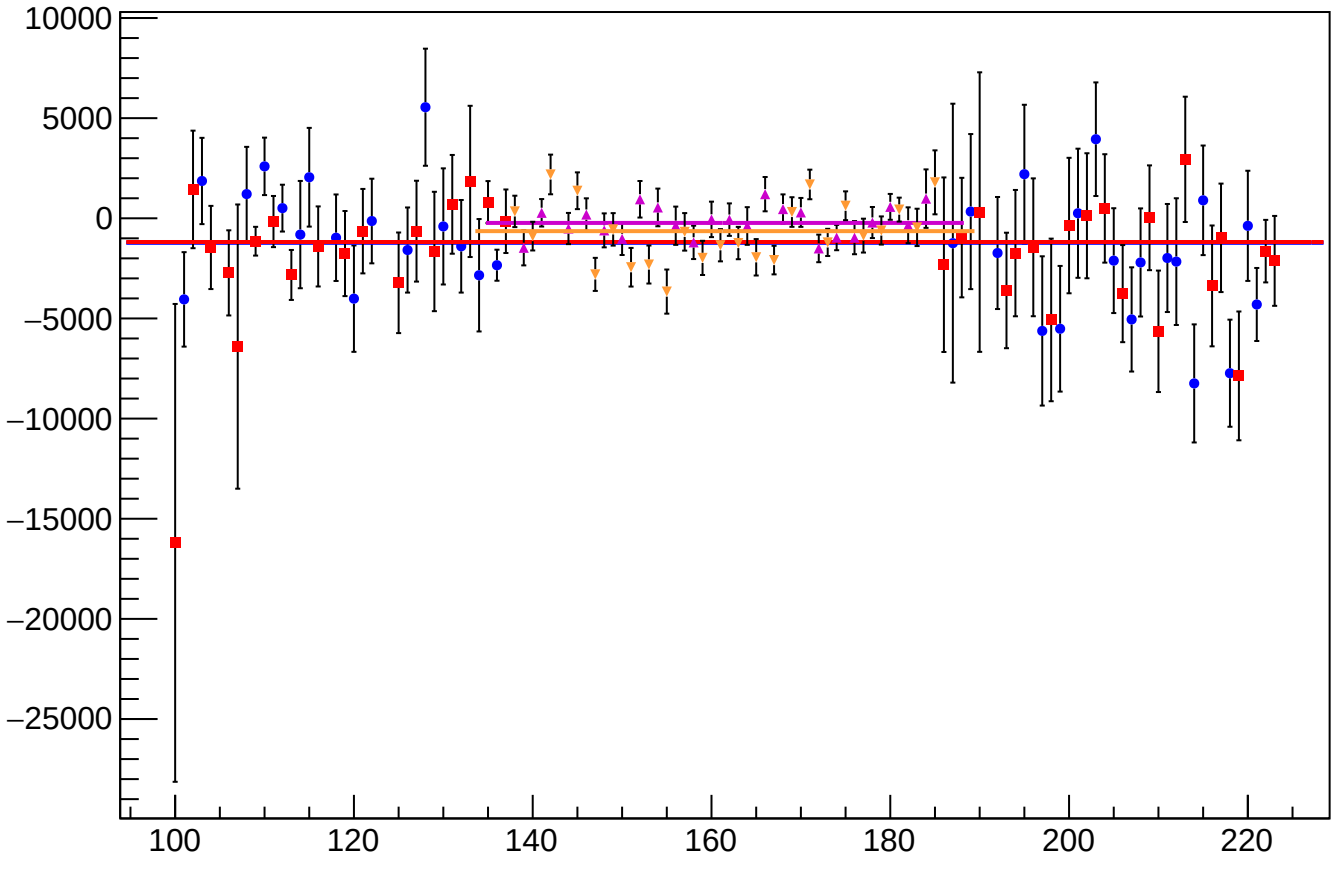
Right Out: 1811.069+/-0.278 χ^2/NDF: 2273402.0/36

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.550+/-0.200 χ^2/NDF: 360394.6/57

All: 1788.318+/-0.142 χ^2/NDF: 2660692.7/11

- sign 1792.153+/-0.202 χ^2/NDF: 2299580.2/59



Right In: -1223.137+/-370.162 χ^2/NDF: 50.6/33

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

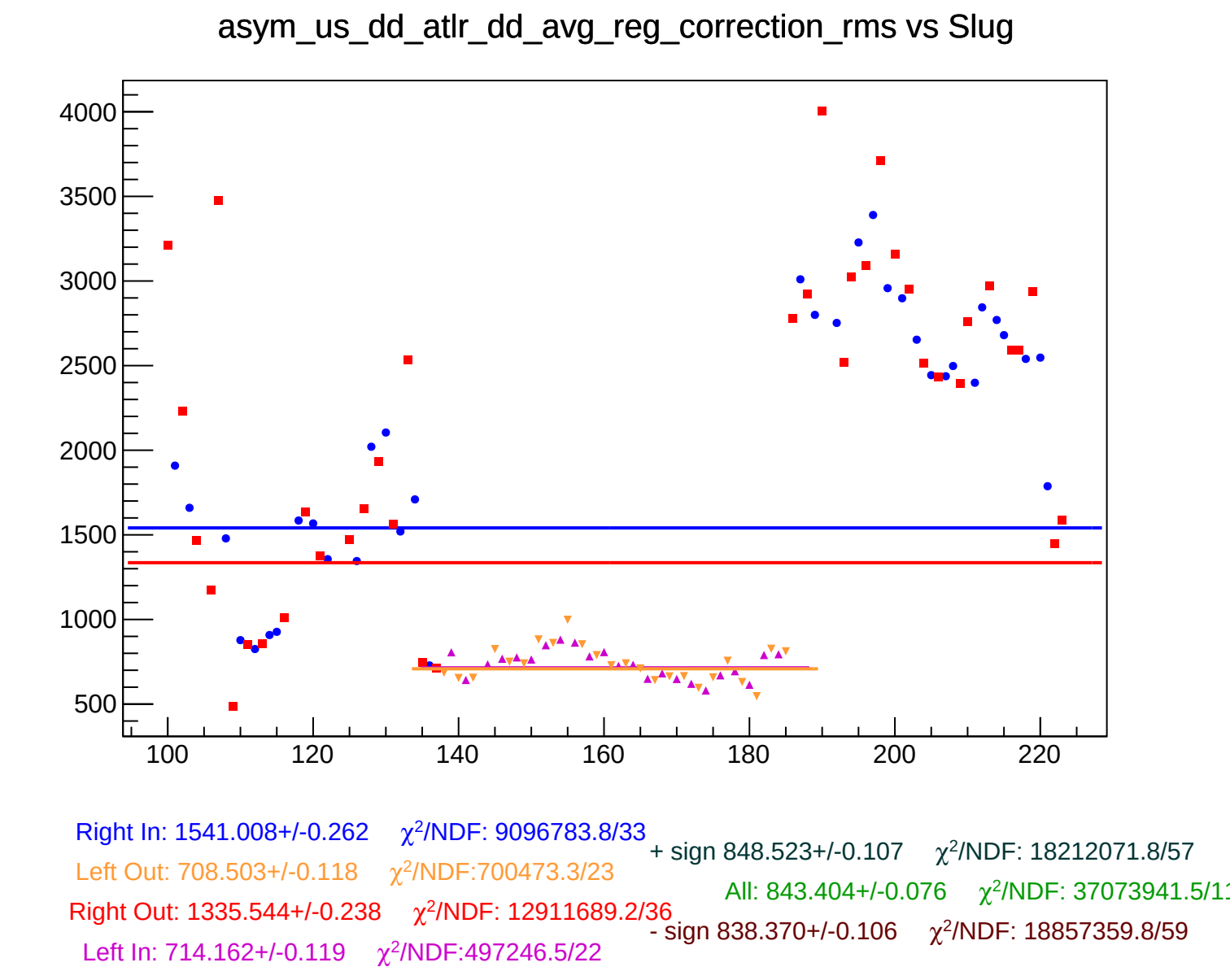
Right Out: -1183.021+/-336.755 χ^2/NDF: 24.8/36

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

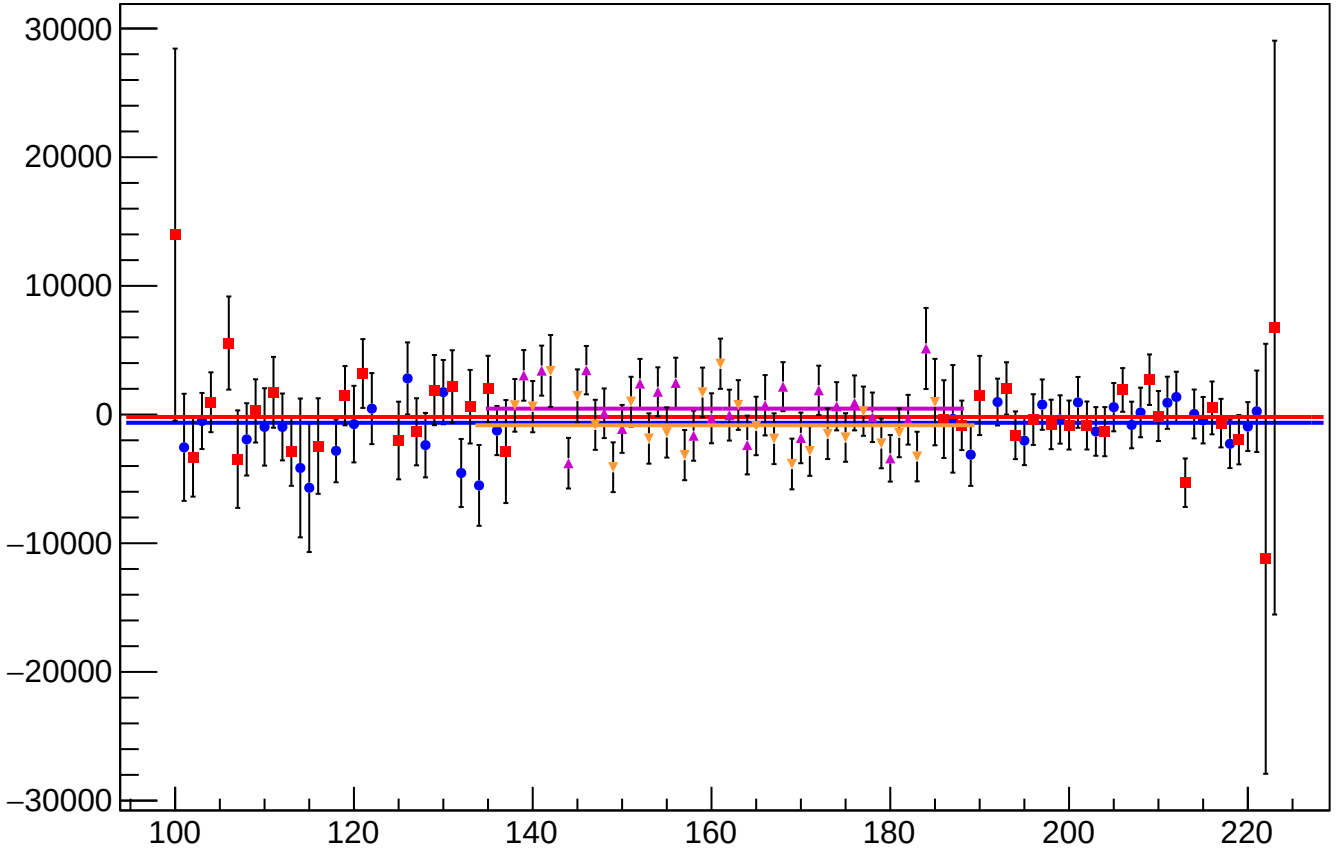
+ sign -738.934+/-151.808 χ^2/NDF: 119.3/57

All: -578.666+/-106.900 χ^2/NDF: 172.7/117

- sign -421.021+/-150.560 χ^2/NDF: 51.1/59


asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1541.008+/-0.262 χ²/NDF: 9096783.8/33
Left Out: 708.503+/-0.118 χ²/NDF:700473.3/23
Right Out: 1335.544+/-0.238 χ²/NDF: 12911689.2/36
Left In: 714.162+/-0.119 χ²/NDF:497246.5/22
+ sign 848.523+/-0.107 χ²/NDF: 18212071.8/57
All: 843.404+/-0.076 χ²/NDF: 37073941.5/11
- sign 838.370+/-0.106 χ²/NDF: 18857359.8/59

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -637.608+/-389.355 χ^2/NDF: 17.3/33

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -187.662+/-393.284 χ^2/NDF: 28.1/36

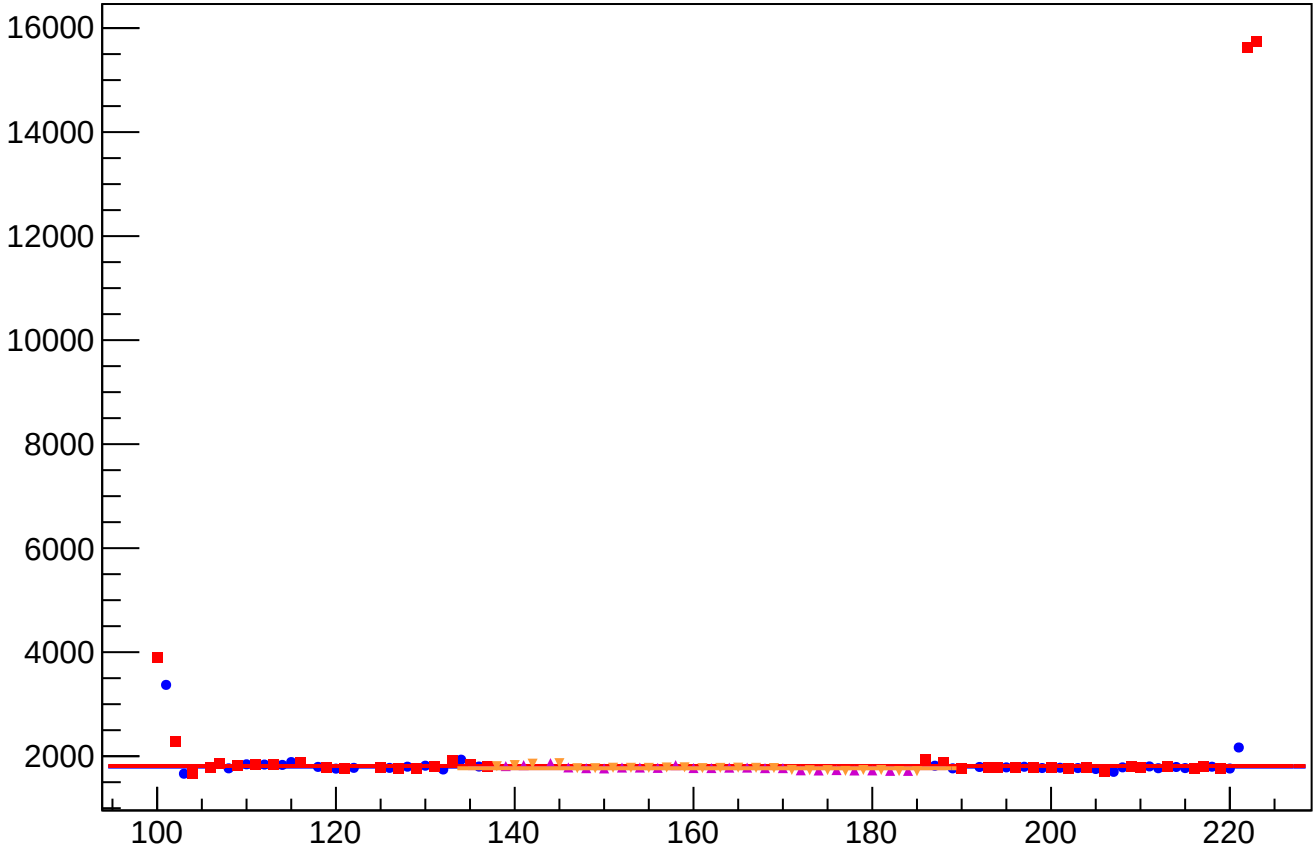
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -729.906+/-282.478 χ^2/NDF: 42.9/57

All: -308.939+/-200.634 χ^2/NDF: 104.1/117

- sign 119.631+/-285.018 χ^2/NDF: 56.7/59

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1799.330+/-0.275 χ^2/NDF: 337953.5/33

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

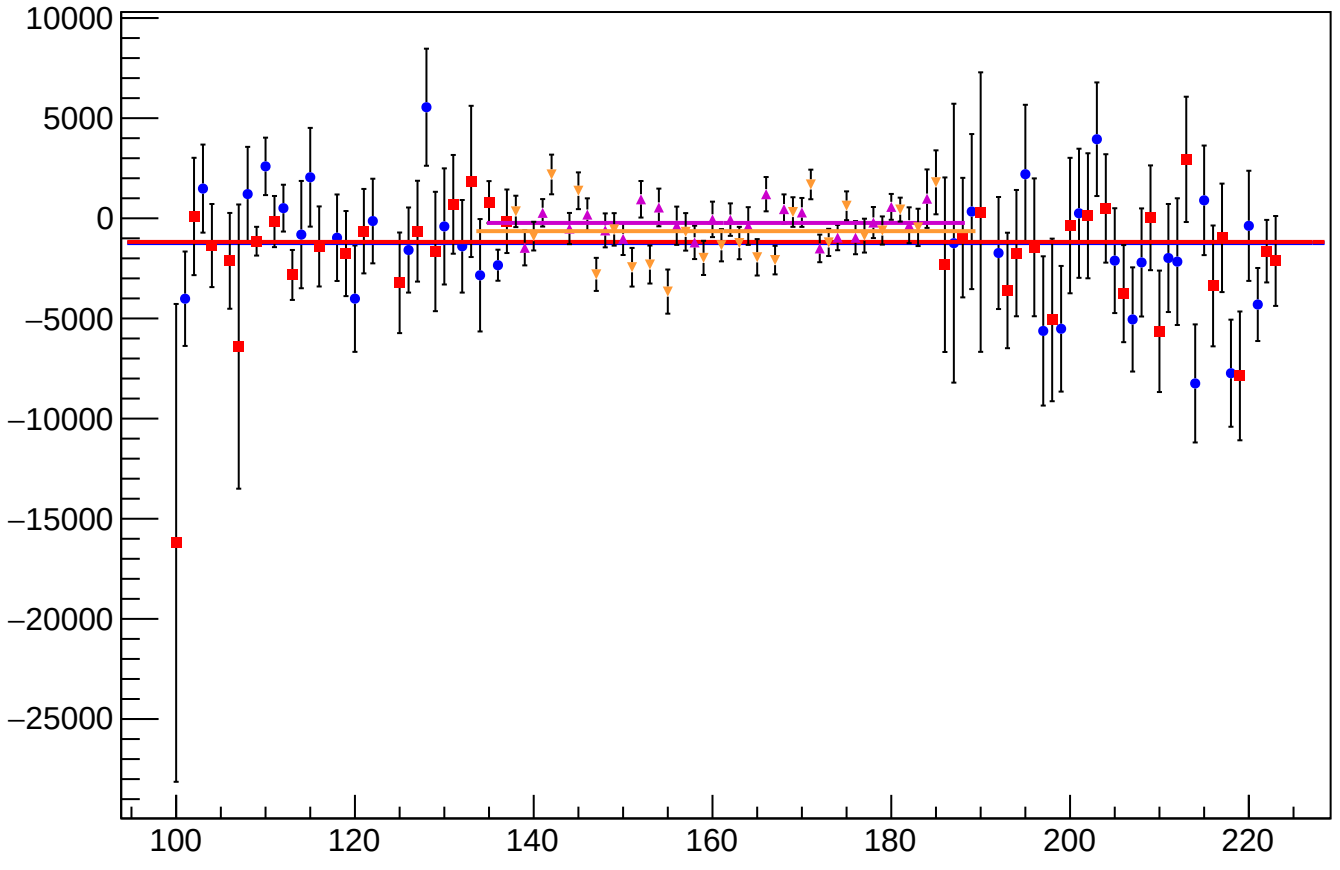
Right Out: 1811.582+/-0.278 χ^2/NDF: 2272875.3/36

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.550+/-0.200 χ^2/NDF: 360396.4/57

All: 1788.449+/-0.142 χ^2/NDF: 2660469.0/11

- sign 1792.417+/-0.202 χ^2/NDF: 2299303.9/59



Right In: -1236.838+/-370.382 χ^2/NDF: 50.0/33

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -1178.068+/-337.627 χ^2/NDF: 23.8/36

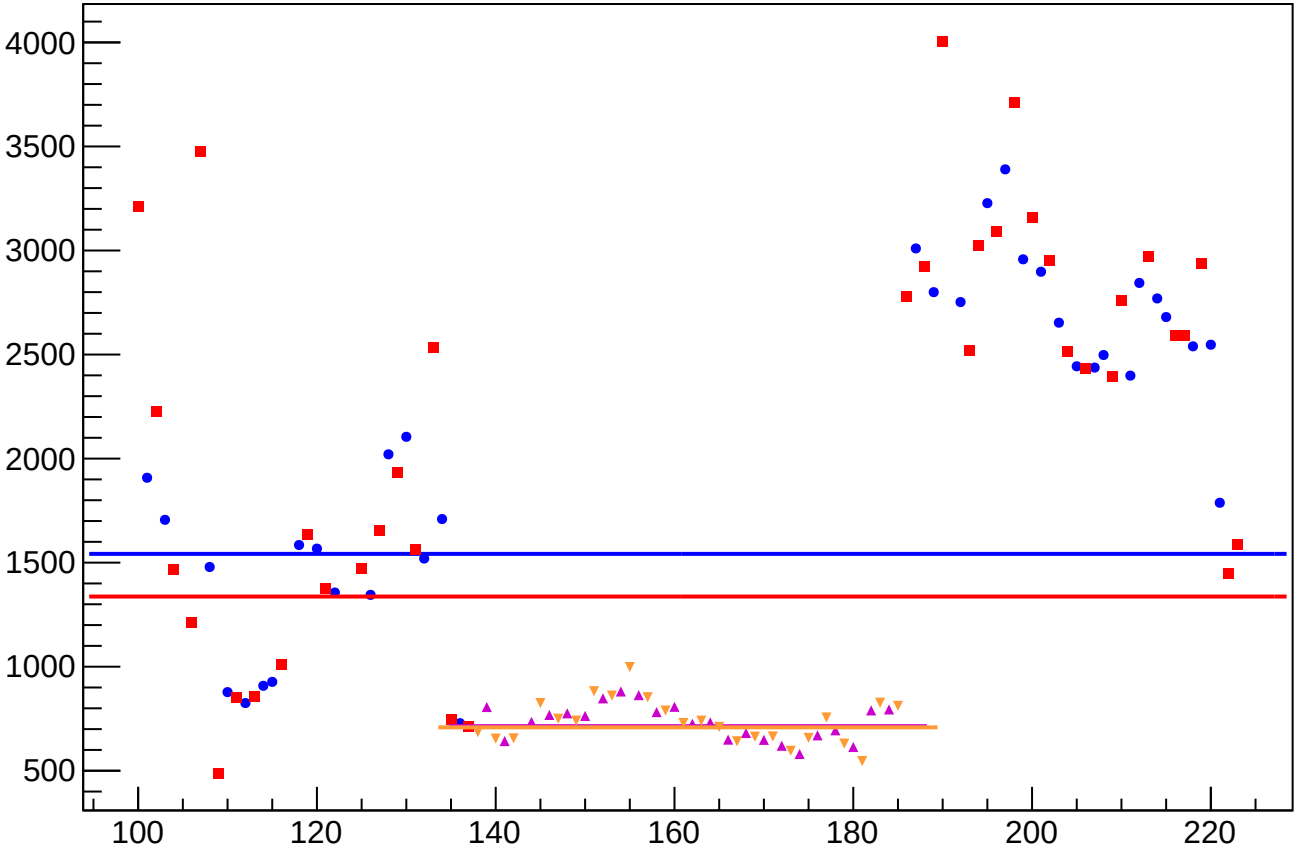
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -741.120+/-151.824 χ^2/NDF: 118.9/57

All: -578.891+/-106.934 χ^2/NDF: 171.1/117

- sign -419.186+/-150.638 χ^2/NDF: 50.0/59

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1542.177+/-0.262 χ^2/NDF: 9101689.4/33

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1337.121+/-0.239 χ^2/NDF: 12904501.8/36

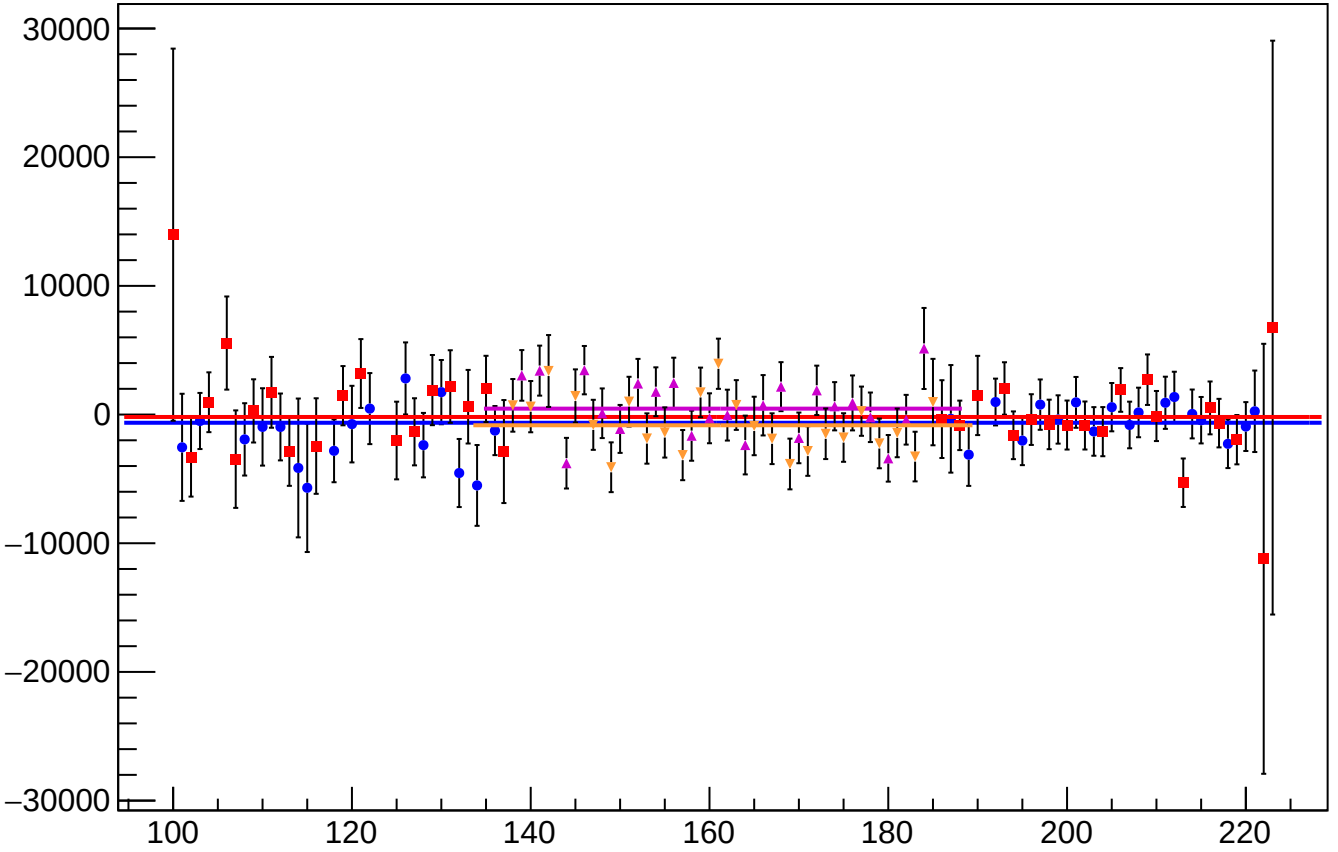
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 848.587+/-0.107 χ^2/NDF: 18232133.8/57

All: 843.341+/-0.076 χ^2/NDF: 37091957.5/11

- sign 838.176+/-0.107 χ^2/NDF: 18855084.4/59

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -637.608+/-389.355 χ^2/NDF: 17.3/33

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -187.662+/-393.284 χ^2/NDF: 28.1/36

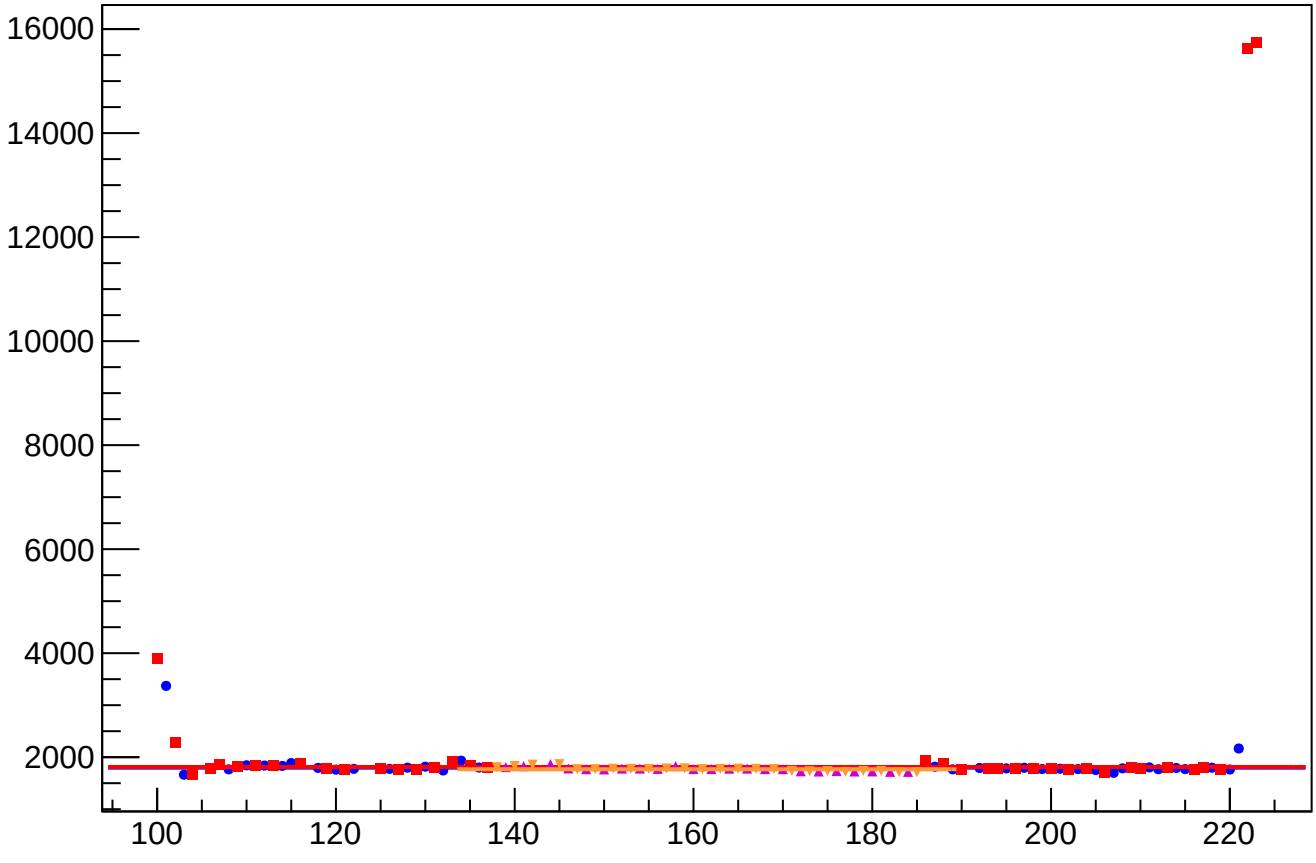
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -729.906+/-282.478 χ^2/NDF: 42.9/57

All: -308.939+/-200.634 χ^2/NDF: 104.1/117

- sign 119.631+/-285.018 χ^2/NDF: 56.7/59

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1799.330+/-0.275 χ^2/NDF: 337953.5/33

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

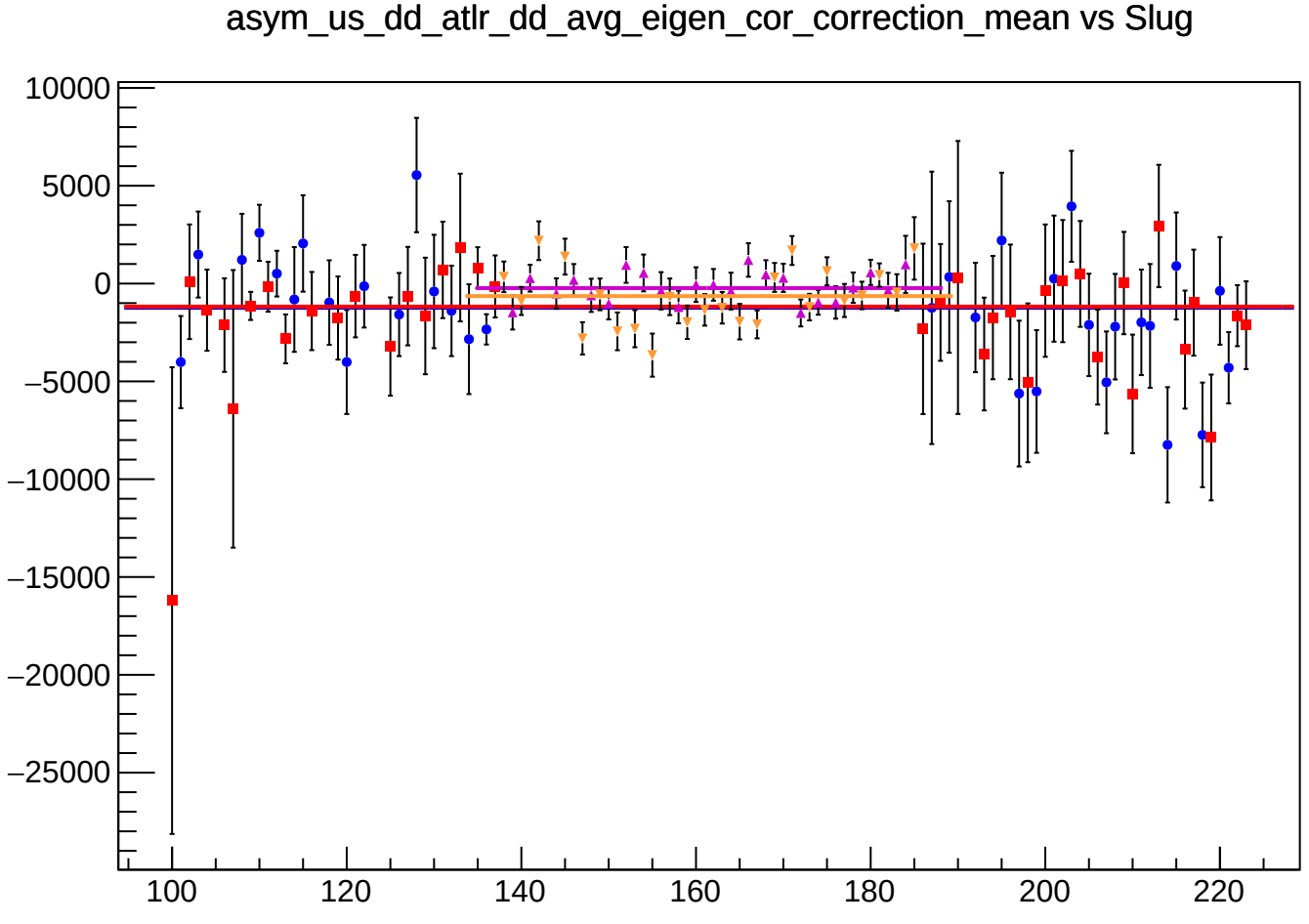
Right Out: 1811.582+/-0.278 χ^2/NDF: 2272875.3/36

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.550+/-0.200 χ^2/NDF: 360396.4/57

All: 1788.449+/-0.142 χ^2/NDF: 2660469.0/11

- sign 1792.417+/-0.202 χ^2/NDF: 2299303.9/59



Right In: -1236.838+/-370.382 χ^2/NDF: 50.0/33

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

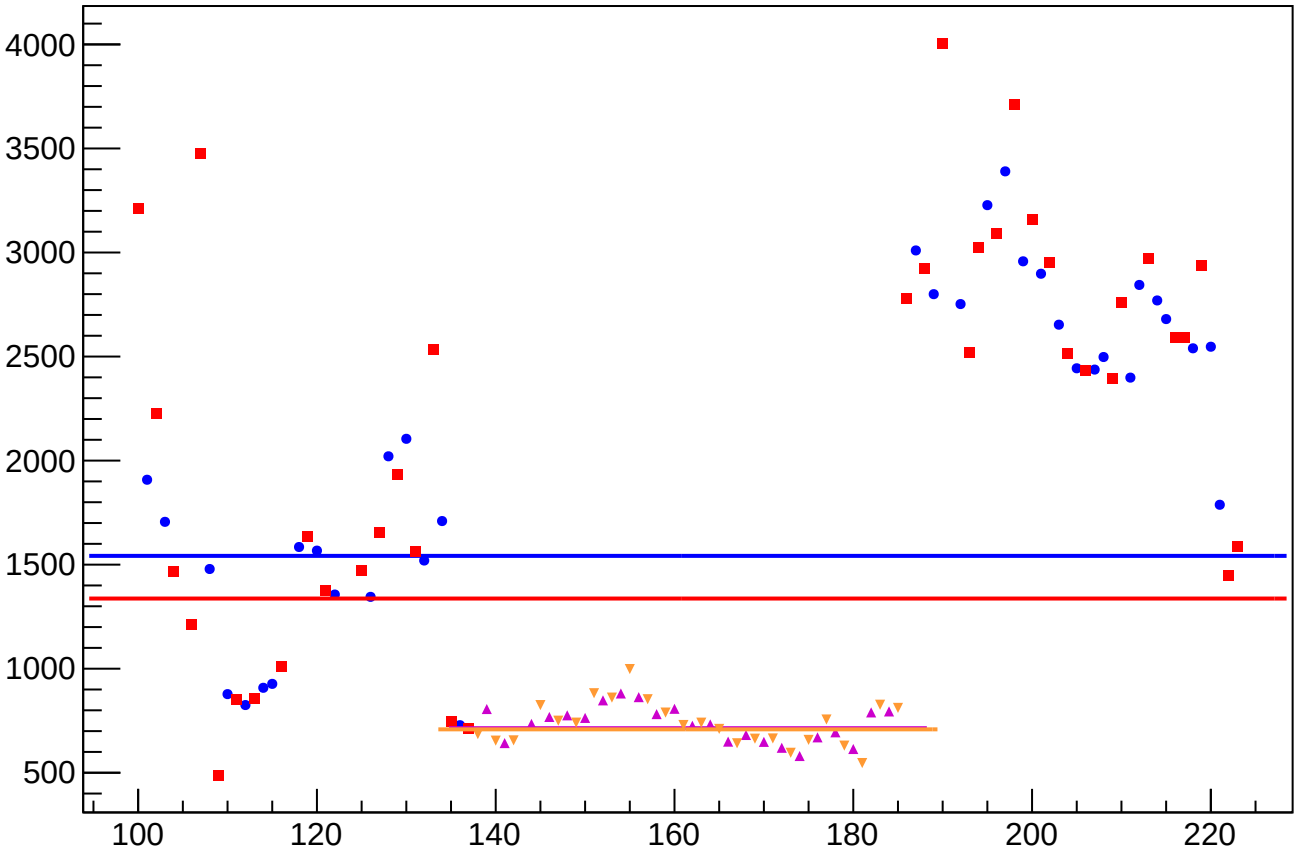
Right Out: -1178.068+/-337.627 χ^2/NDF: 23.8/36

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -741.120+/-151.824 χ^2/NDF: 118.9/57

All: -578.891+/-106.934 χ^2/NDF: 171.1/117

- sign -419.186+/-150.638 χ^2/NDF: 50.0/59



Right In: 1542.177+/-0.262 χ^2/NDF: 9101689.4/33

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1337.121+/-0.239 χ^2/NDF: 12904501.8/36

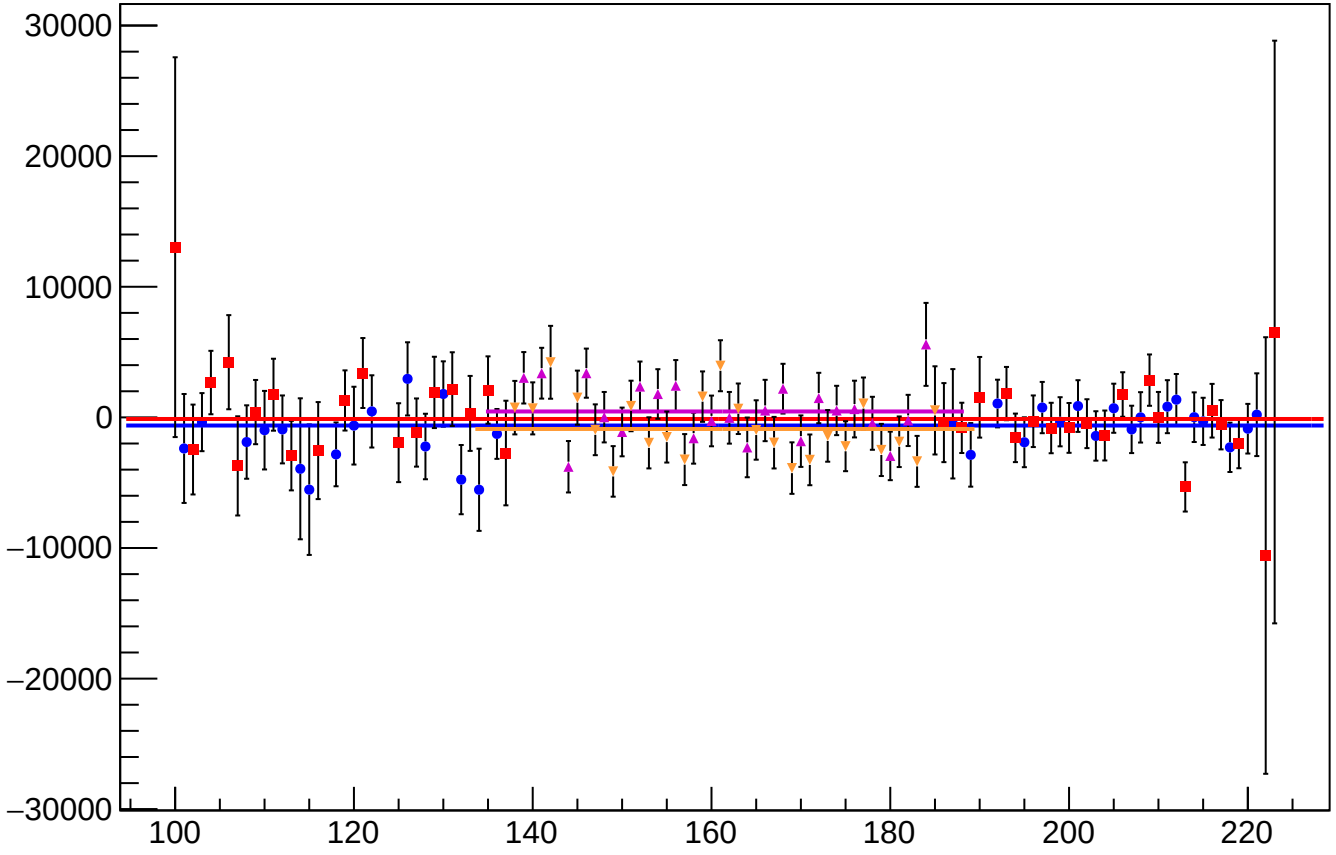
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 848.587+/-0.107 χ^2/NDF: 18232133.8/57

All: 843.341+/-0.076 χ^2/NDF: 37091957.5/11

- sign 838.176+/-0.107 χ^2/NDF: 18855084.4/59

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -622.657+/-390.108 χ^2/NDF: 17.3/33

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -122.010+/-394.954 χ^2/NDF: 27.4/36

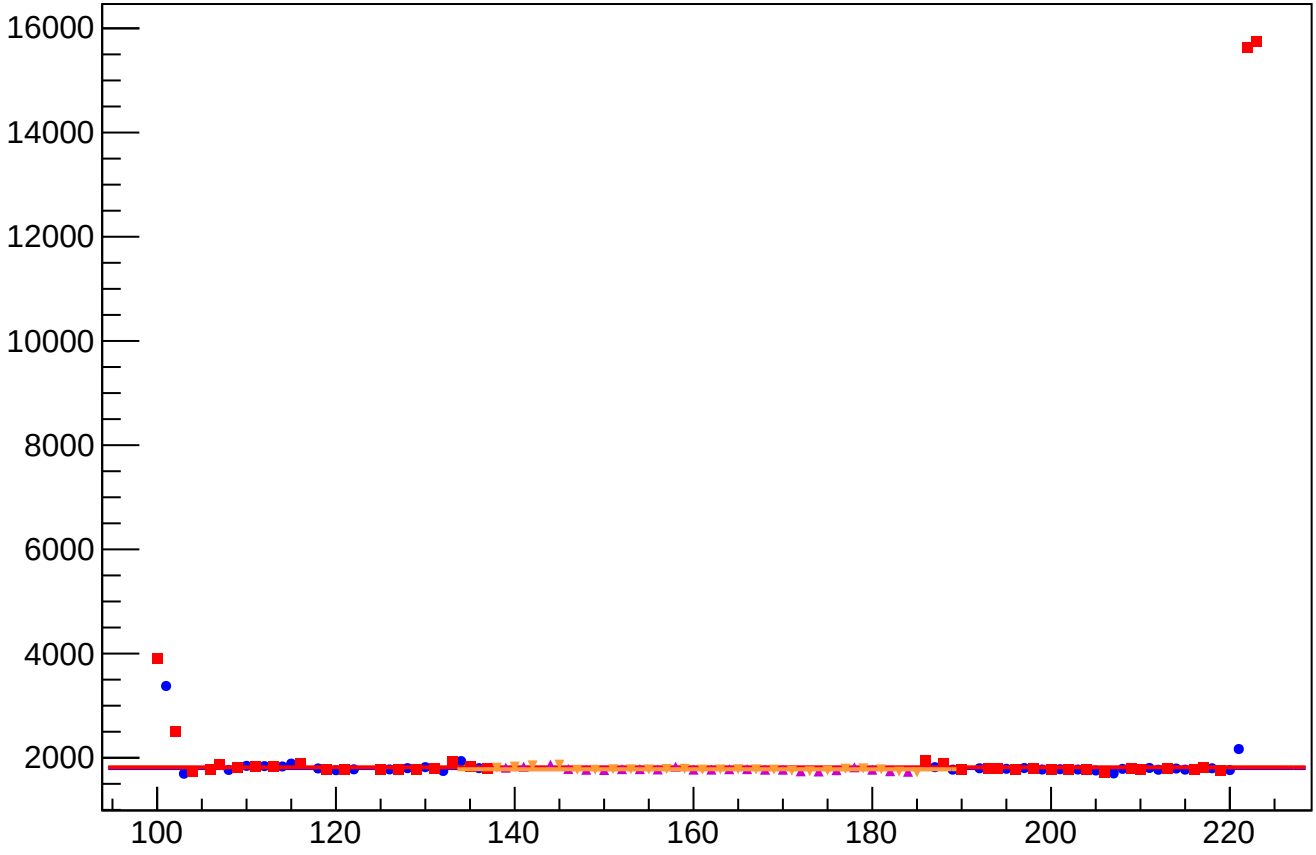
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -746.923+/-283.669 χ^2/NDF: 45.6/57

All: -302.625+/-201.575 χ^2/NDF: 104.8/117

- sign 150.557+/-286.491 χ^2/NDF: 54.2/59

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1802.837+/-0.276 χ^2/NDF: 335111.7/33

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

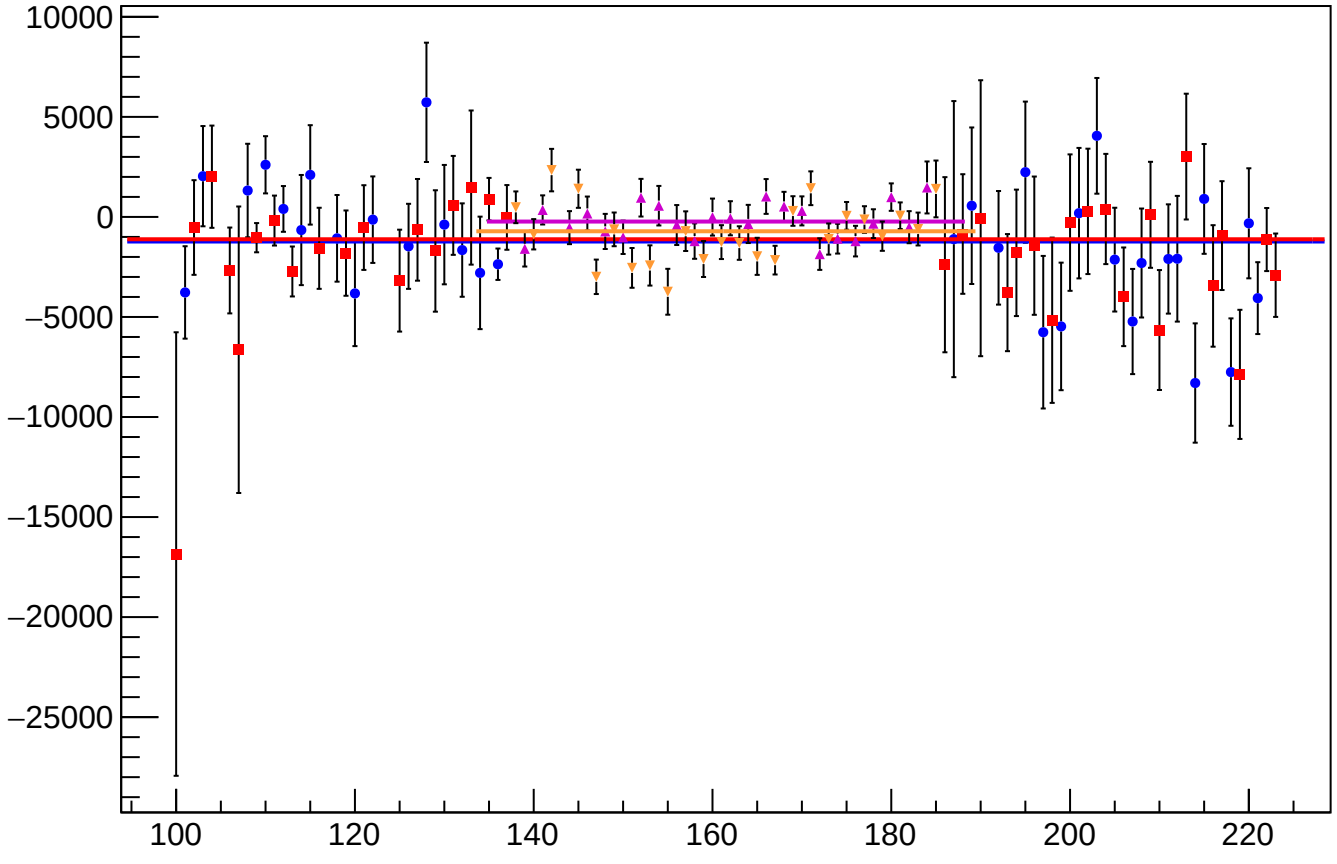
Right Out: 1817.157+/-0.279 χ^2/NDF: 2299535.2/36

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1792.179+/-0.201 χ^2/NDF: 348659.7/57

All: 1796.368+/-0.143 χ^2/NDF: 2667689.7/11

- sign 1800.640+/-0.203 χ^2/NDF: 2318149.2/59



Right In: -1228.863+/-372.908 χ^2/NDF: 49.8/33

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: -1116.305+/-339.123 χ^2/NDF: 26.7/36

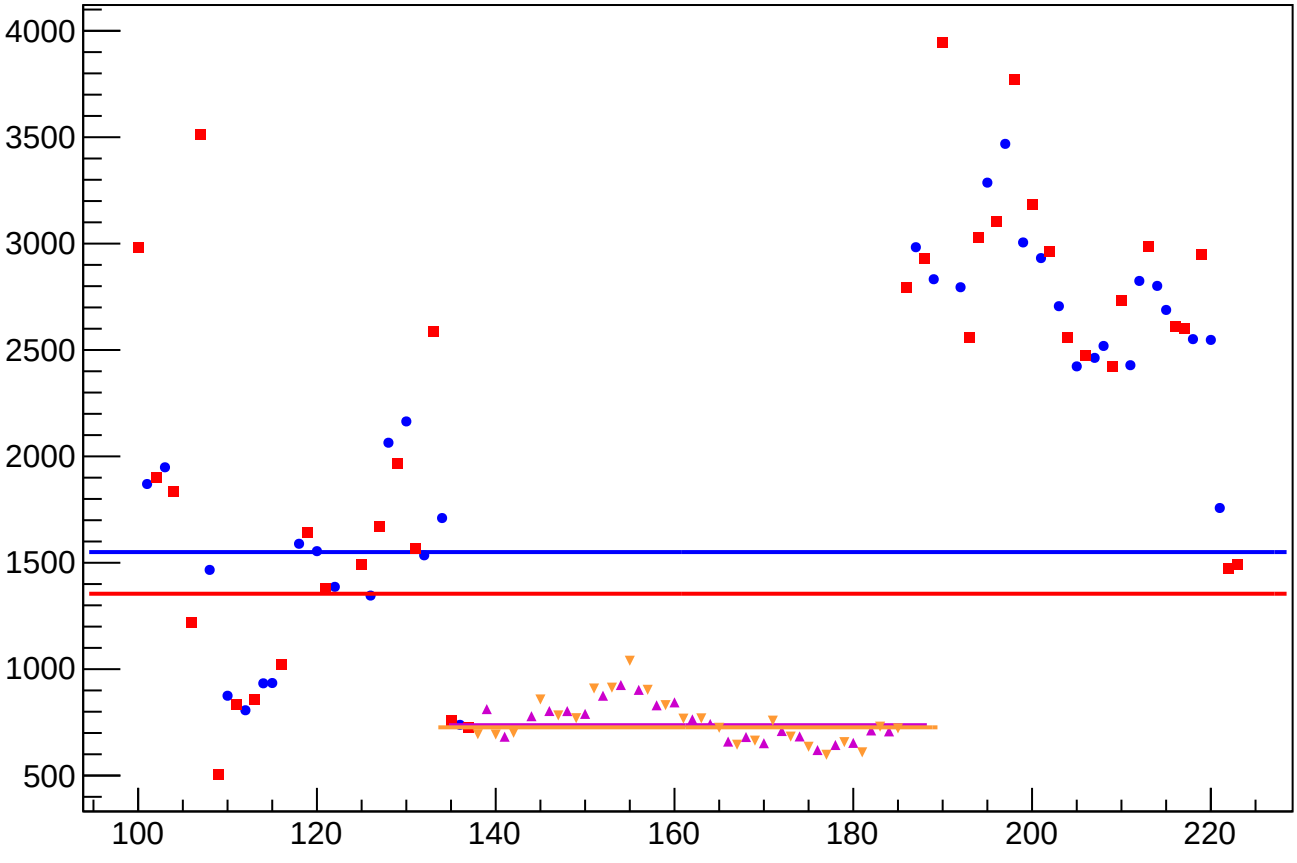
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -805.259+/-155.138 χ^2/NDF: 110.7/57

All: -609.116+/-109.442 χ^2/NDF: 170.0/117

- sign -414.801+/-154.414 χ^2/NDF: 56.2/59

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1550.273+/-0.264 χ^2/NDF: 9221420.7/33

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1354.479+/-0.240 χ^2/NDF: 12748941.7/36

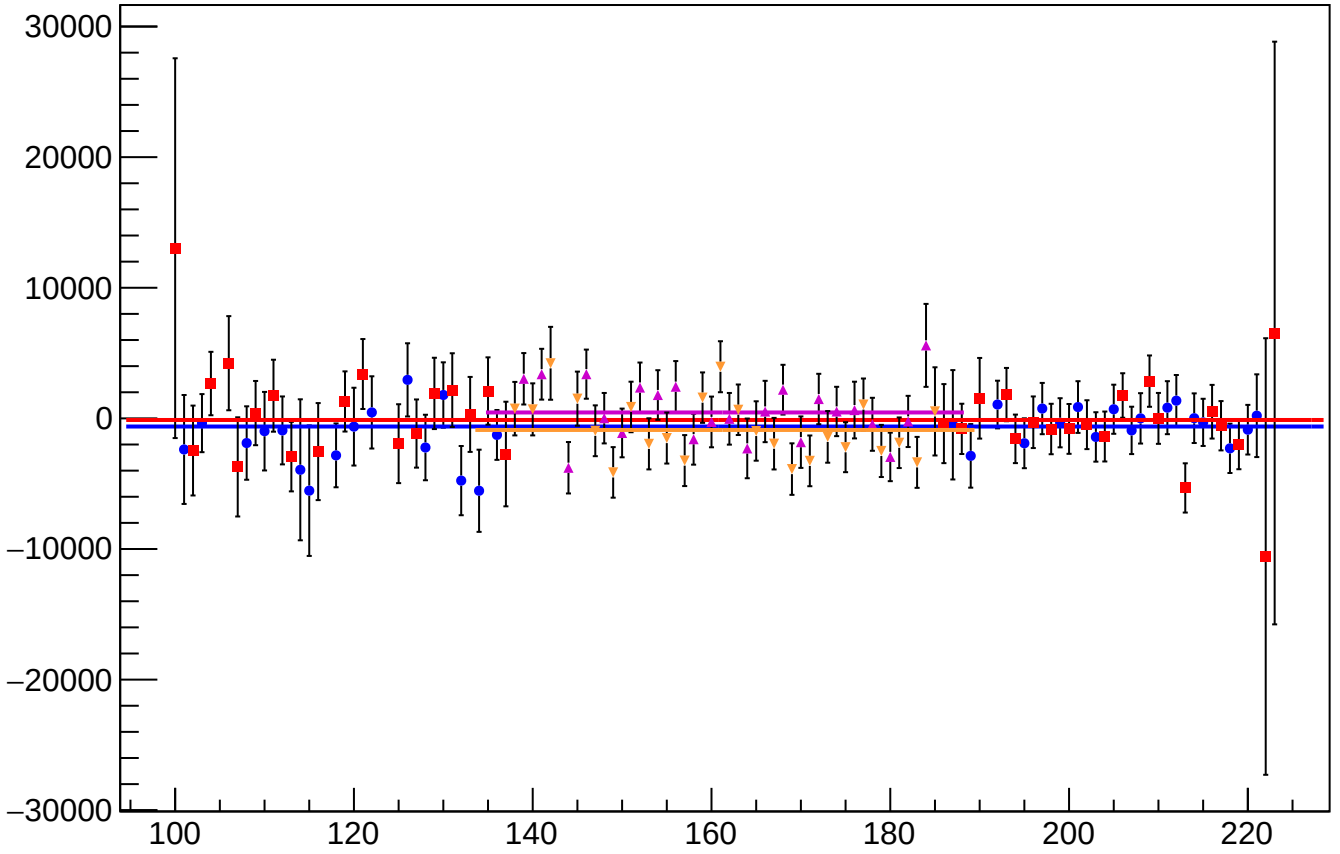
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 869.161+/-0.110 χ^2/NDF: 17974818.7/57

All: 866.965+/-0.077 χ^2/NDF: 36450530.5/11

- sign 864.790+/-0.109 χ^2/NDF: 18474914.3/59

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -622.655+/-390.108 χ^2/NDF: 17.3/33

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -122.006+/-394.954 χ^2/NDF: 27.4/36

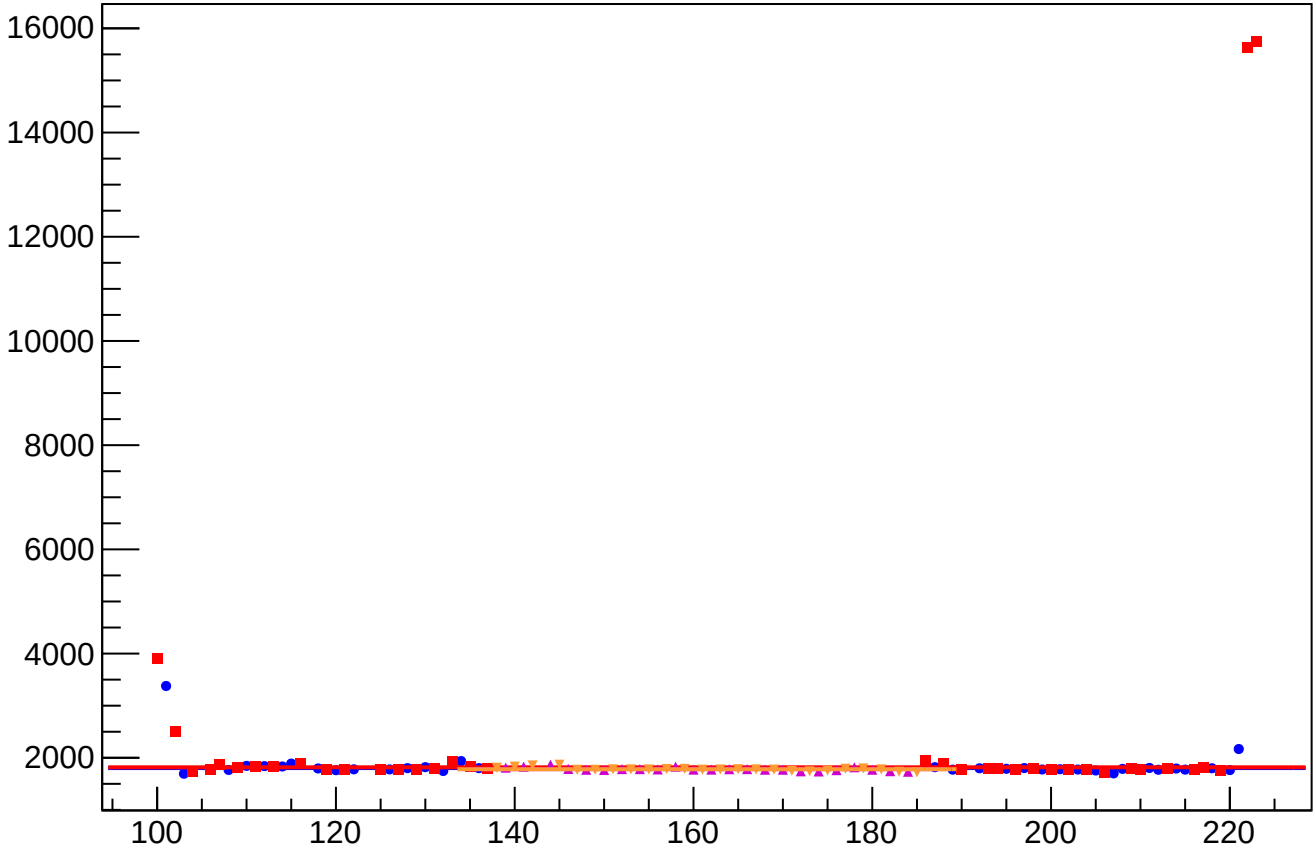
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -746.921+/-283.669 χ^2/NDF: 45.6/57

All: -302.624+/-201.575 χ^2/NDF: 104.8/117

- sign 150.558+/-286.491 χ^2/NDF: 54.2/59

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1802.837+/-0.276 χ^2/NDF: 335111.7/33

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

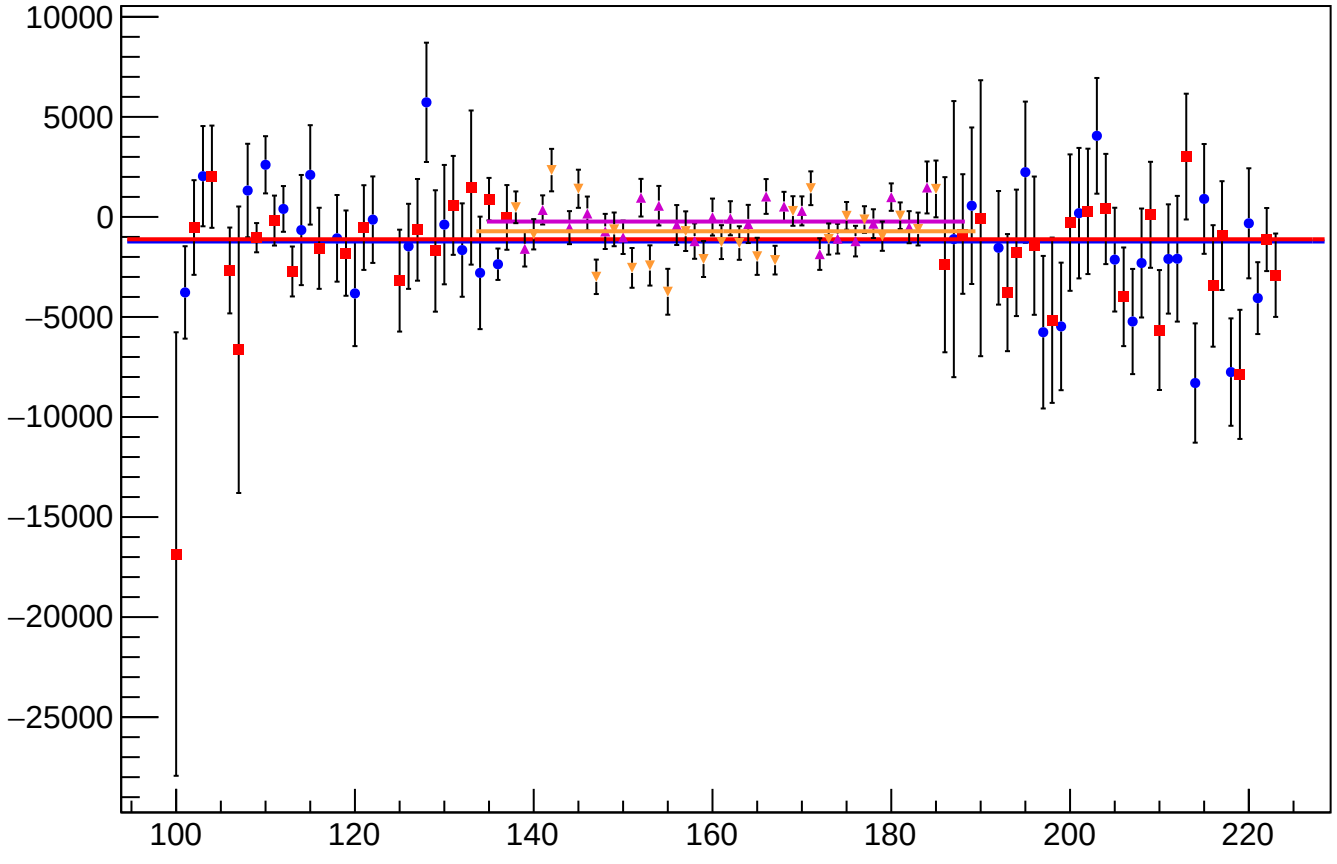
Right Out: 1817.157+/-0.279 χ^2/NDF: 2299535.2/36

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1792.179+/-0.201 χ^2/NDF: 348659.7/57

All: 1796.367+/-0.143 χ^2/NDF: 2667689.9/11

- sign 1800.640+/-0.203 χ^2/NDF: 2318149.4/59



Right In: -1228.854+/-372.908 χ^2/NDF: 49.8/33

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

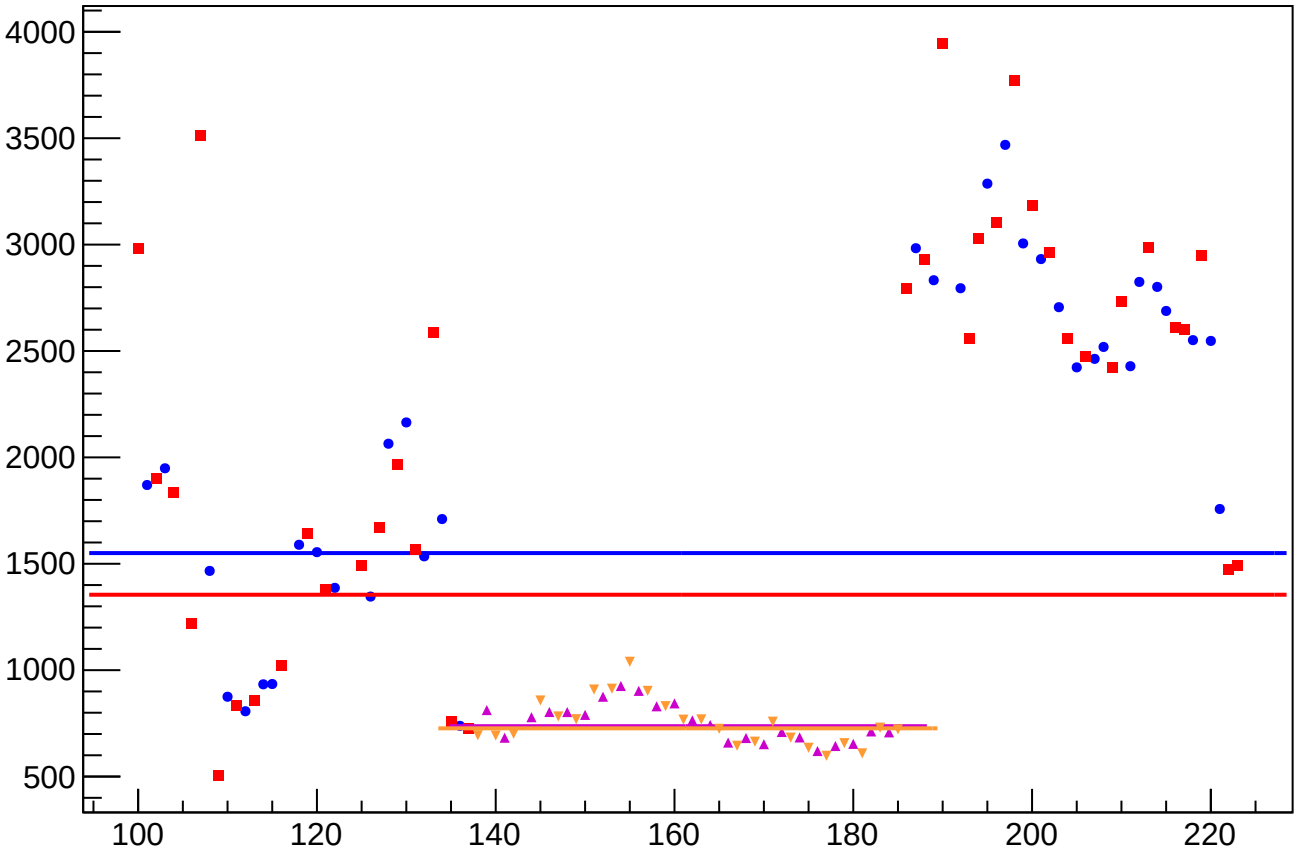
Right Out: -1116.309+/-339.123 χ^2/NDF: 26.7/36

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -805.259+/-155.138 χ^2/NDF: 110.7/57

All: -609.115+/-109.442 χ^2/NDF: 170.0/117

- sign -414.800+/-154.413 χ^2/NDF: 56.2/59



Right In: 1550.276+/-0.264 χ^2/NDF: 9221356.2/33

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1354.482+/-0.240 χ^2/NDF: 12748897.5/36

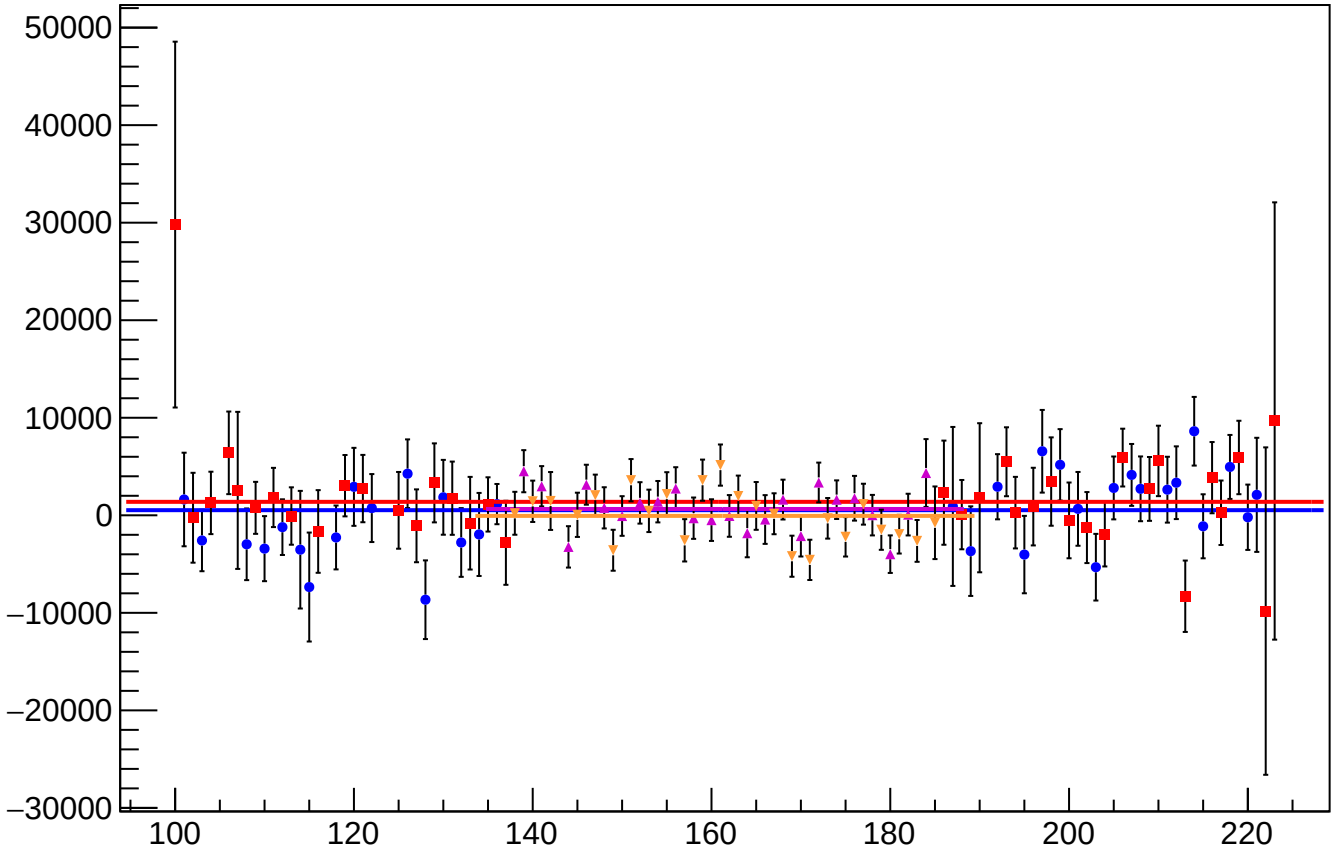
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 869.161+/-0.110 χ^2/NDF: 17974787.4/57

All: 866.965+/-0.077 χ^2/NDF: 36450513.0/11

- sign 864.789+/-0.109 χ^2/NDF: 18474927.8/59

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 525.182+/-615.238 χ^2/NDF: 34.9/33

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1379.868+/-626.047 χ^2/NDF: 24.1/36

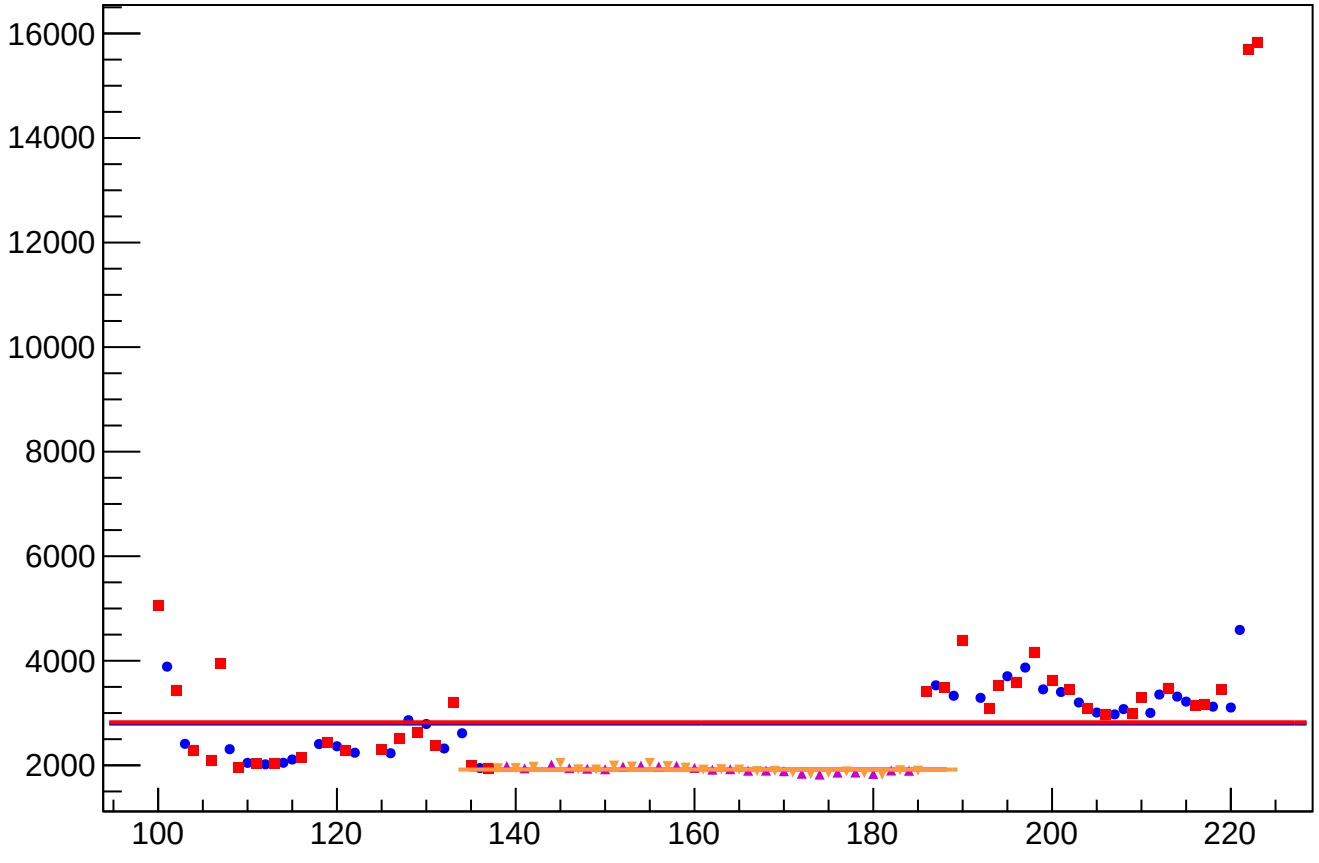
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign 141.618+/-360.888 χ^2/NDF: 68.5/57

All: 514.700+/-256.494 χ^2/NDF: 119.3/117

- sign 895.529+/-364.615 χ^2/NDF: 48.6/59

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2798.253+/-0.435 χ^2/NDF: 1859070.2/33

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

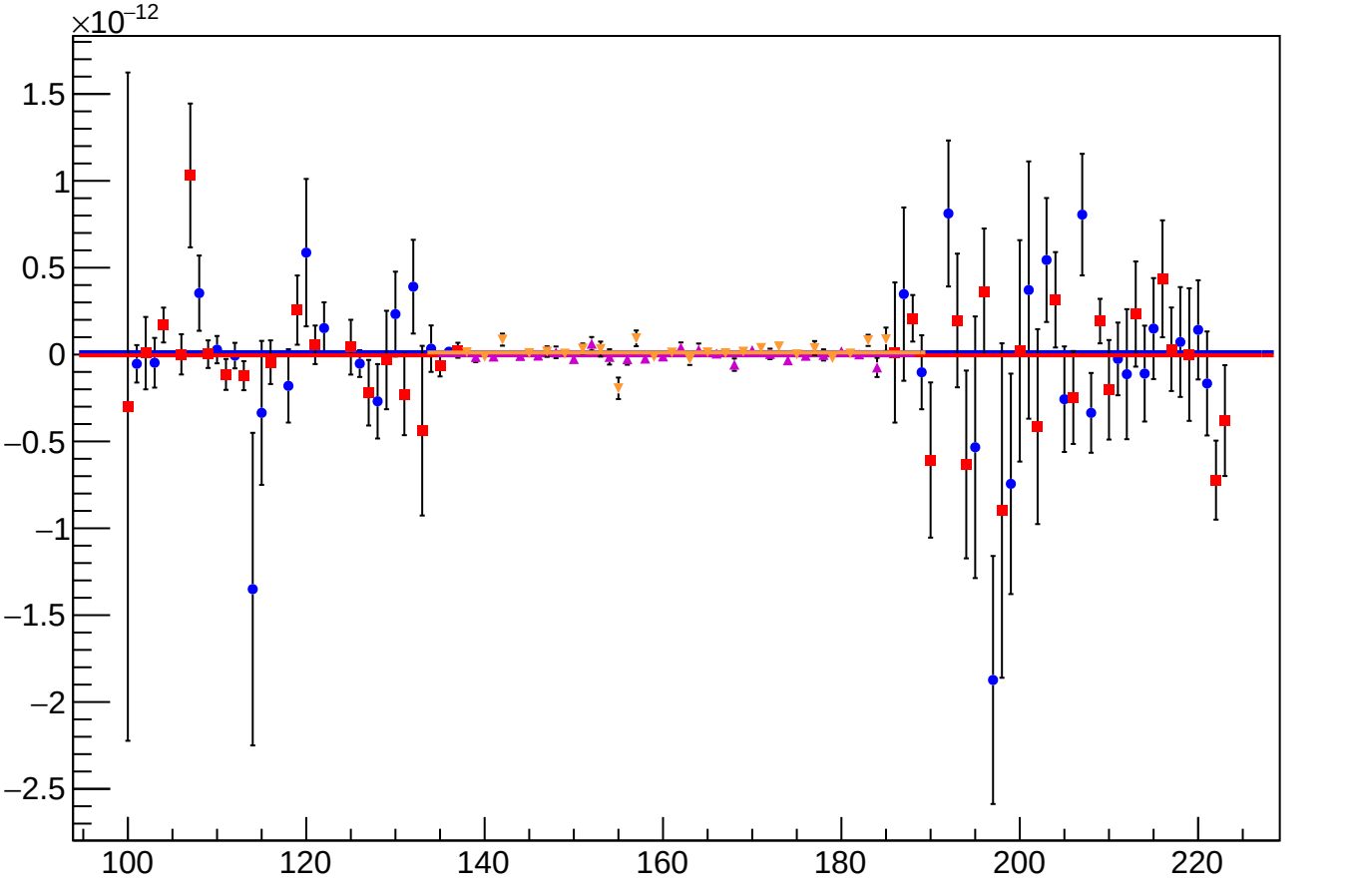
Right Out: 2823.346+/-0.443 χ^2/NDF: 3909760.1/36

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2221.517+/-0.255 χ^2/NDF: 4574111.8/57

All: 2224.012+/-0.181 χ^2/NDF: 11264344.6/1

\- sign 2226.558+/-0.258 χ^2/NDF: 6690039.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 40.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

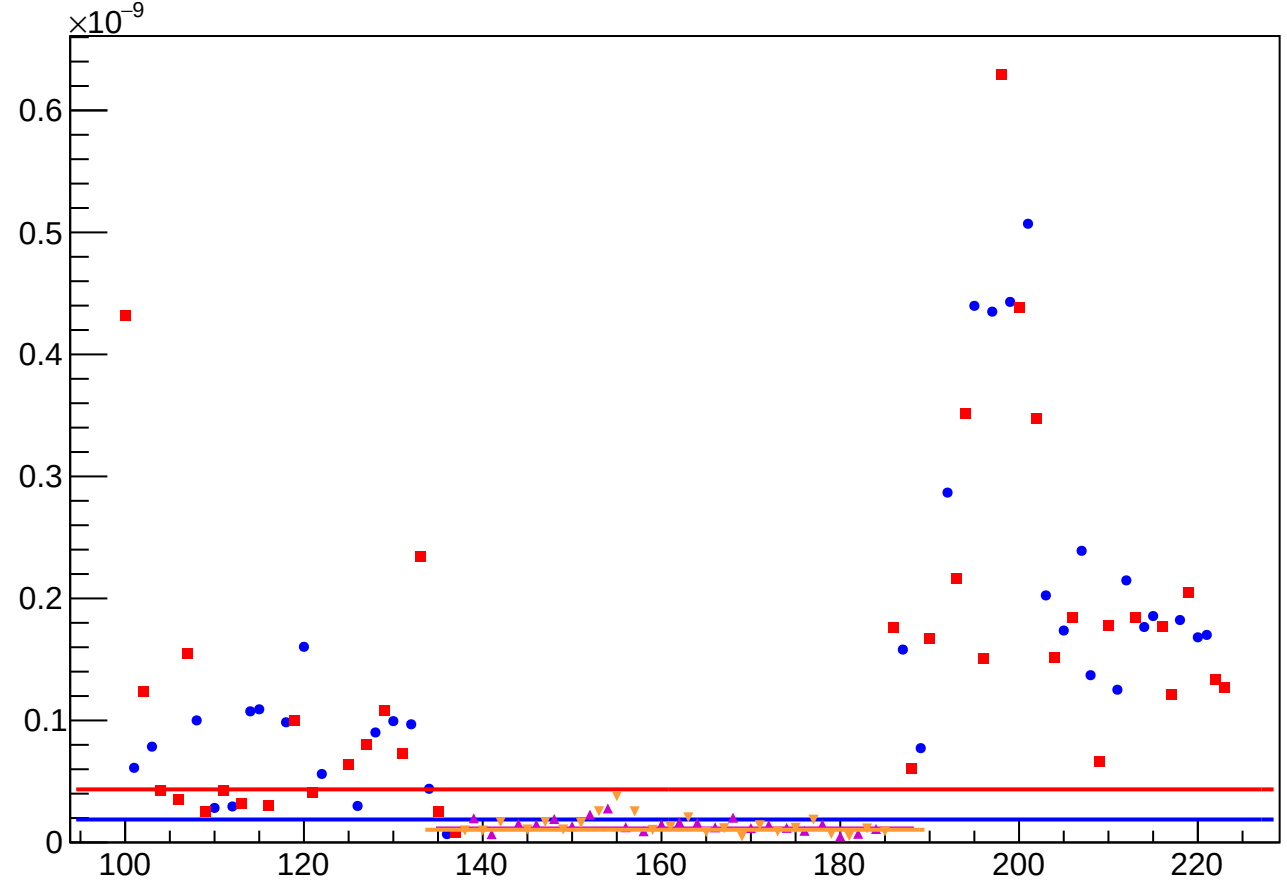
Right Out: -0.000+/-0.000 χ^2/NDF: 46.7/36

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.2/57

All: 0.000+/-0.000 χ^2/NDF: 149.7/117

- sign -0.000+/-0.000 χ^2/NDF: 66.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 14232322.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

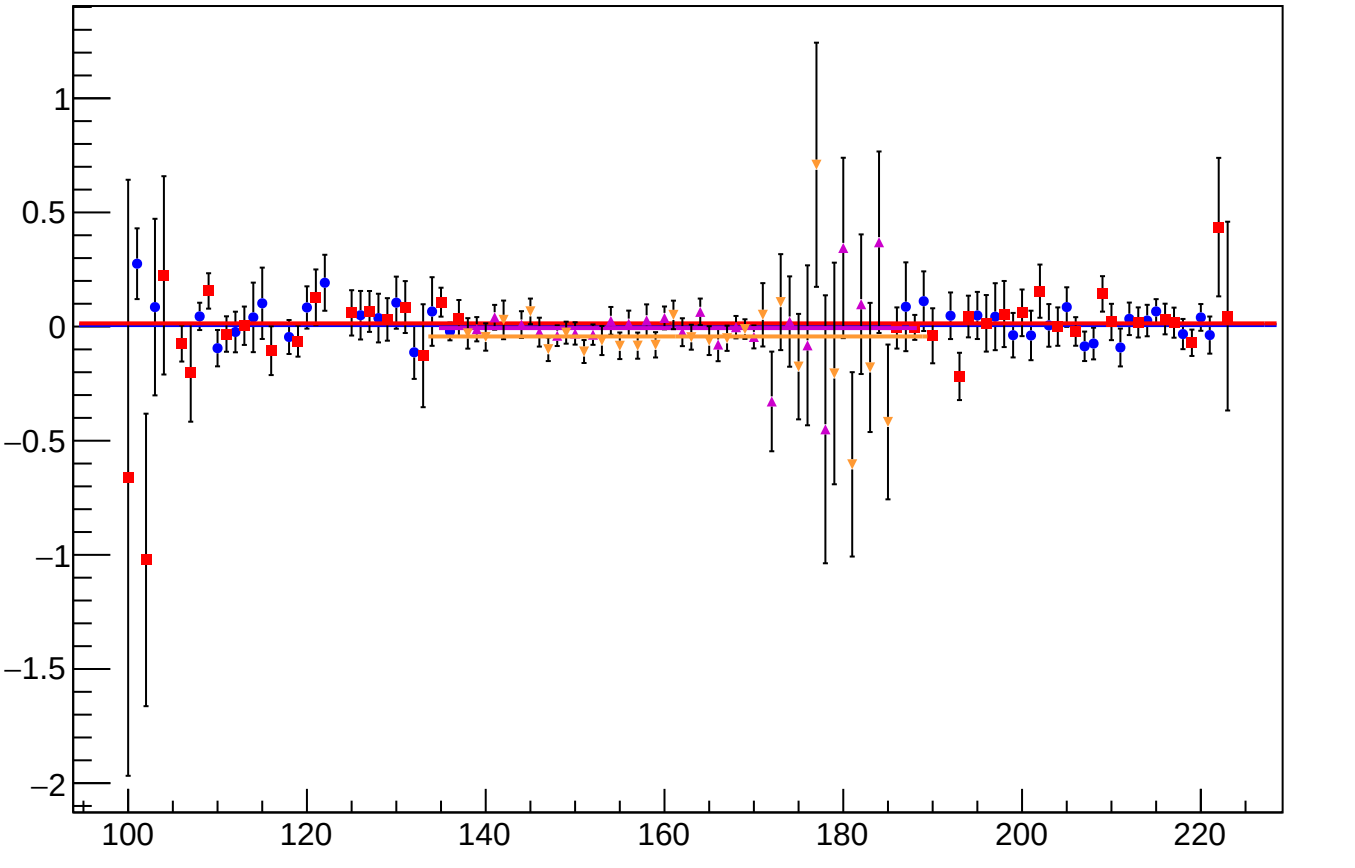
Right Out: 0.000+/-0.000 χ^2/NDF: 9792122.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16975447.4/57

All: 0.000+/-0.000 χ^2/NDF: 32675305.7/117

- sign 0.000+/-0.000 χ^2/NDF: 15567607.4/59



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

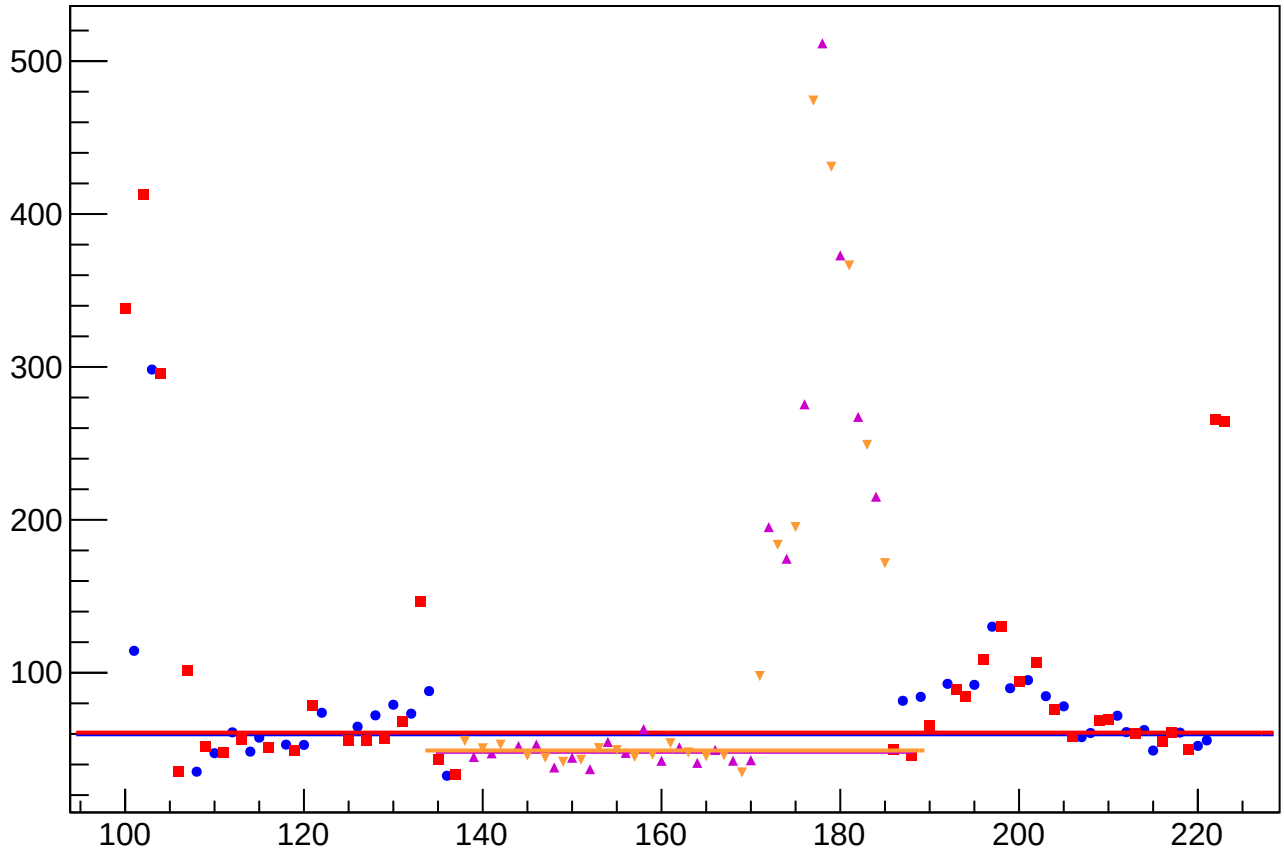
Right Out: 0.014+/-0.015 χ^2/NDF: 30.7/36

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.019+/-0.010 χ^2/NDF: 46.6/57

All: -0.008+/-0.007 χ^2/NDF: 92.0/117

- sign 0.003+/-0.010 χ^2/NDF: 43.0/59



Right In: 59.766+/-0.010 χ^2/NDF: 4377271.2/33

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

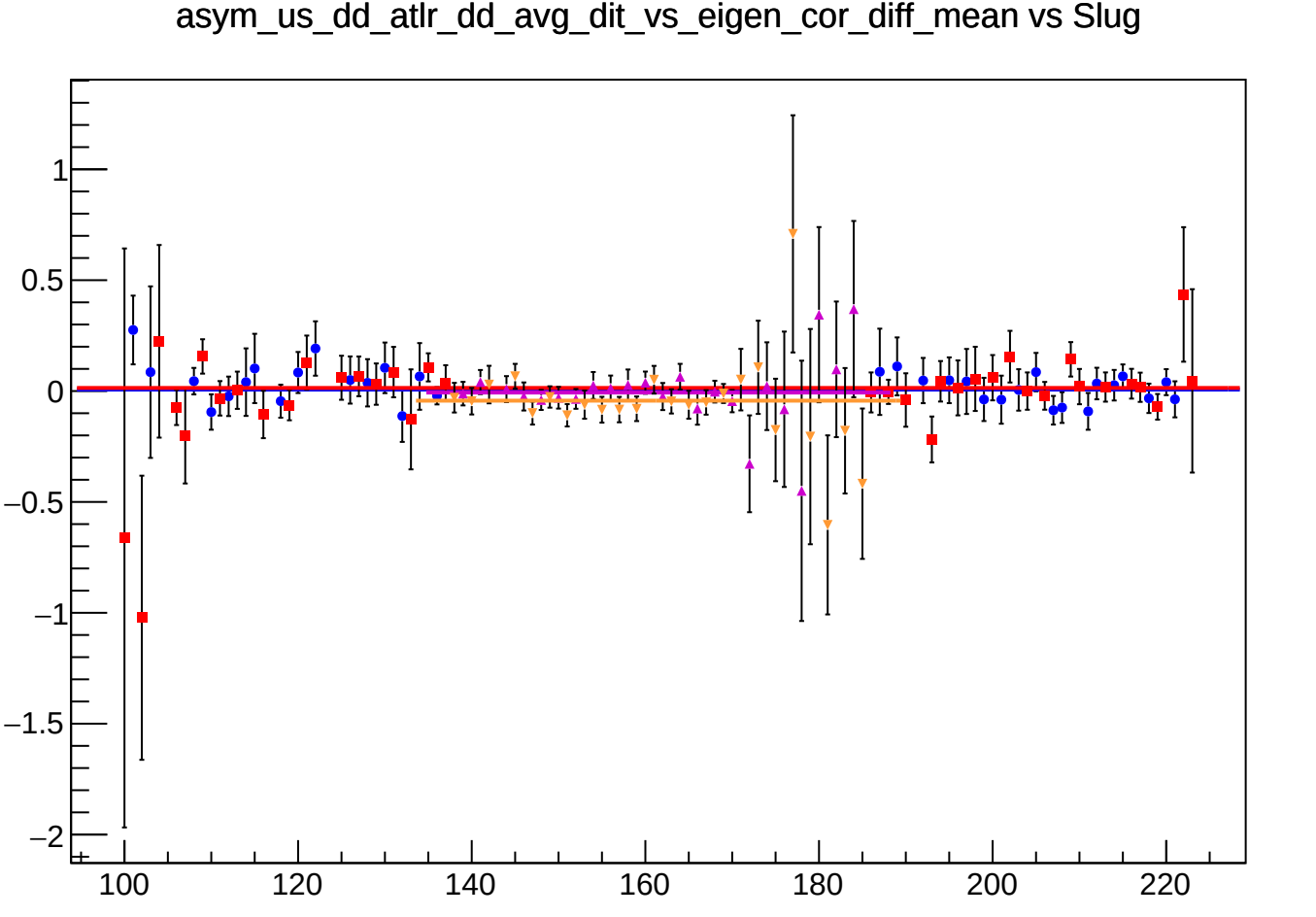
Right Out: 60.854+/-0.010 χ^2/NDF: 5800924.2/36

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.313+/-0.007 χ^2/NDF: 12189352.6/57

All: 54.180+/-0.005 χ^2/NDF: 25819653.7/117

- sign 54.049+/-0.007 χ^2/NDF: 13629600.8/59



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

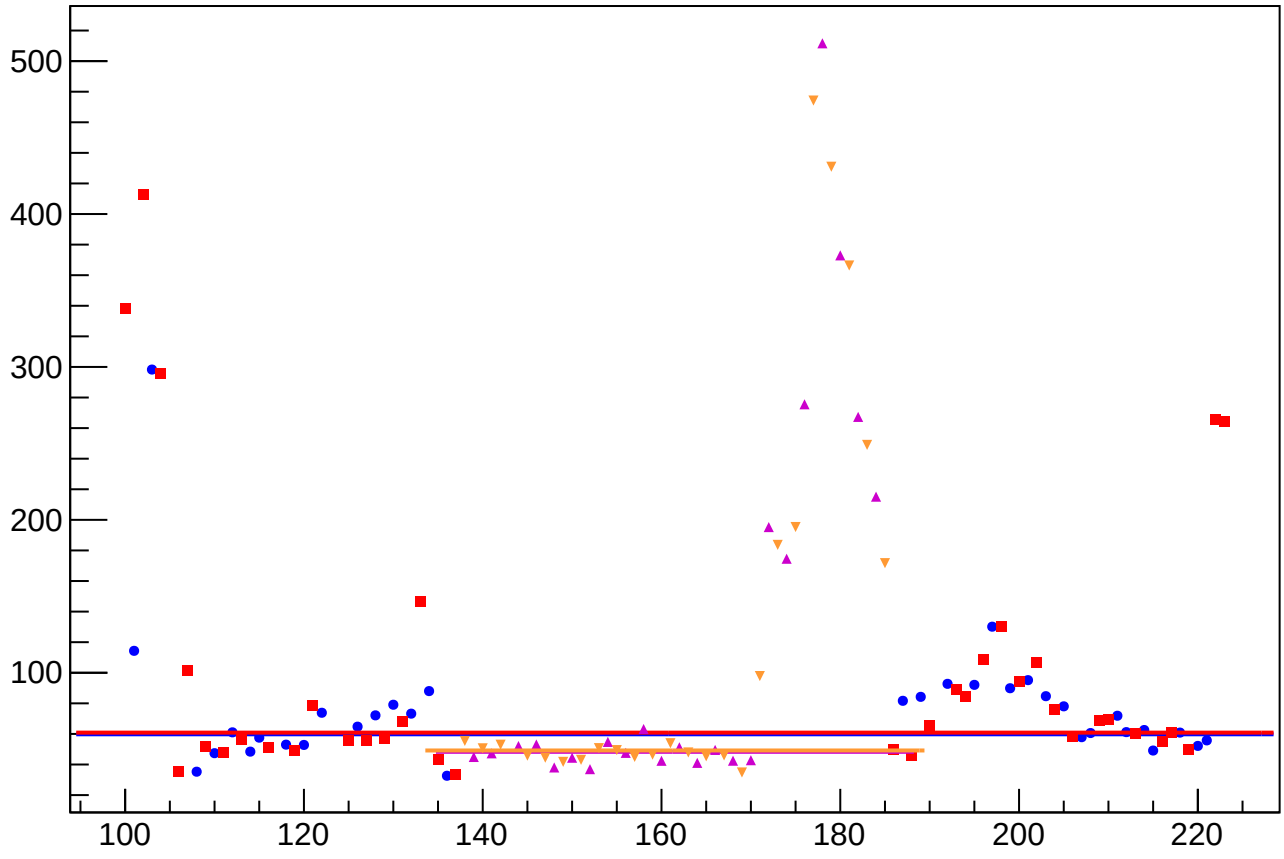
Right Out: 0.014+/-0.015 χ^2/NDF: 30.7/36

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

\+ sign -0.019+/-0.010 χ^2/NDF: 46.6/57

All: -0.008+/-0.007 χ^2/NDF: 92.0/117

\- sign 0.003+/-0.010 χ^2/NDF: 43.0/59



Right In: 59.766+/-0.010 χ^2/NDF: 4377271.2/33

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

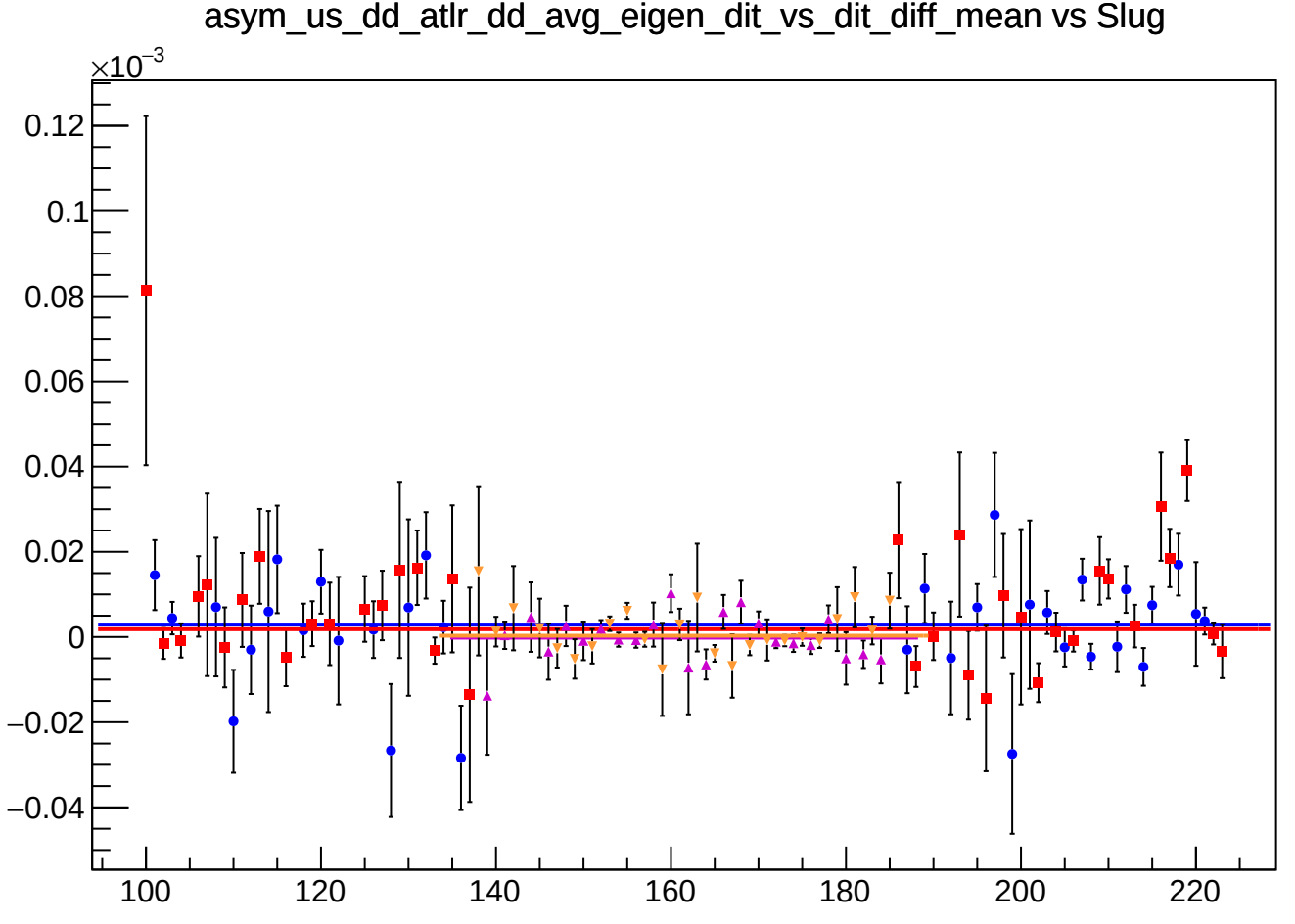
Right Out: 60.854+/-0.010 χ^2/NDF: 5800924.2/36

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.313+/-0.007 χ^2/NDF: 12189352.6/57

All: 54.180+/-0.005 χ^2/NDF: 25819653.7/117

- sign 54.049+/-0.007 χ^2/NDF: 13629600.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 56.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

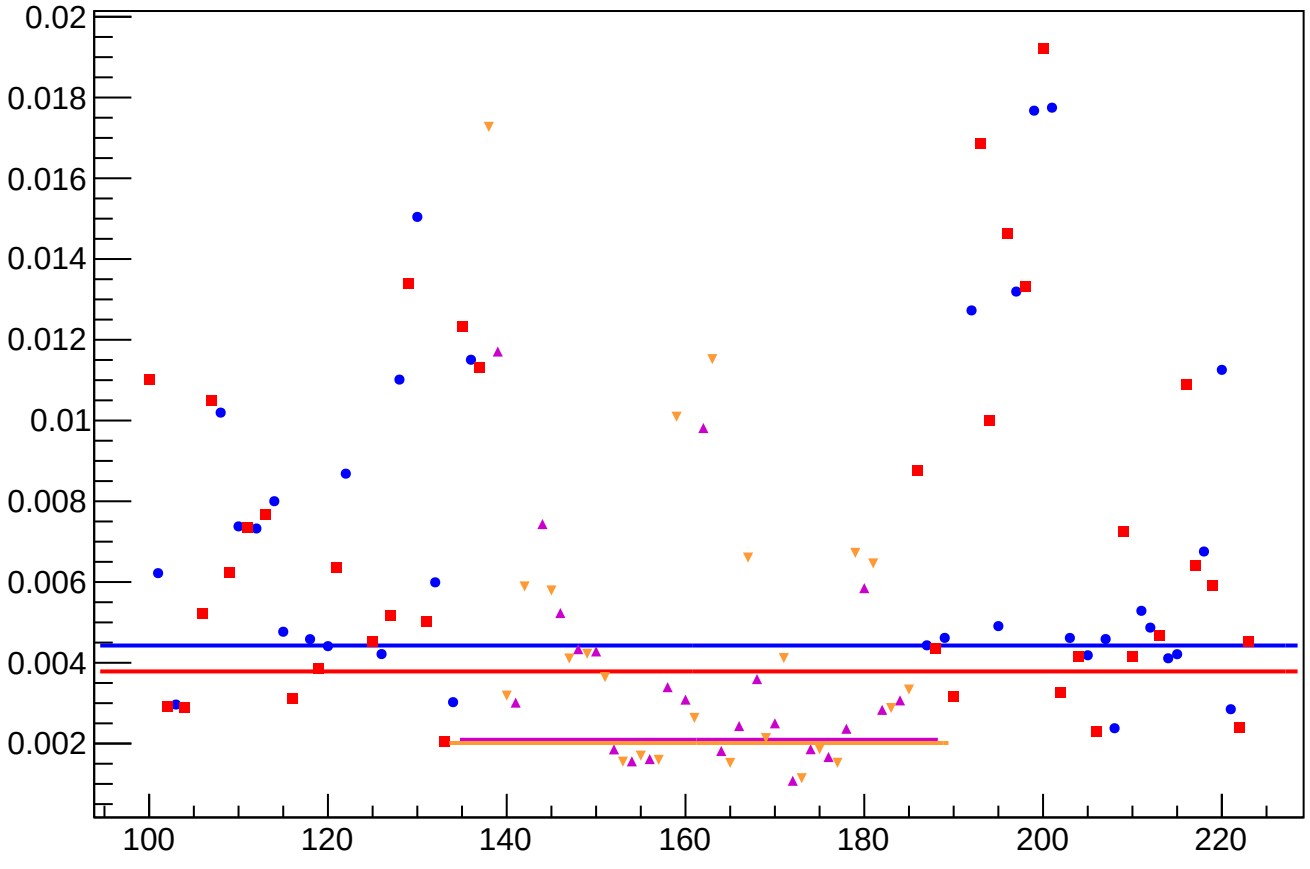
Right Out: 0.000+/-0.000 χ^2/NDF: 84.6/36

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.5/57

All: 0.000+/-0.000 χ^2/NDF: 202.8/117

- sign 0.000+/-0.000 χ^2/NDF: 113.0/59



Right In: 0.004+/-0.000 χ^2/NDF: 8604761.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

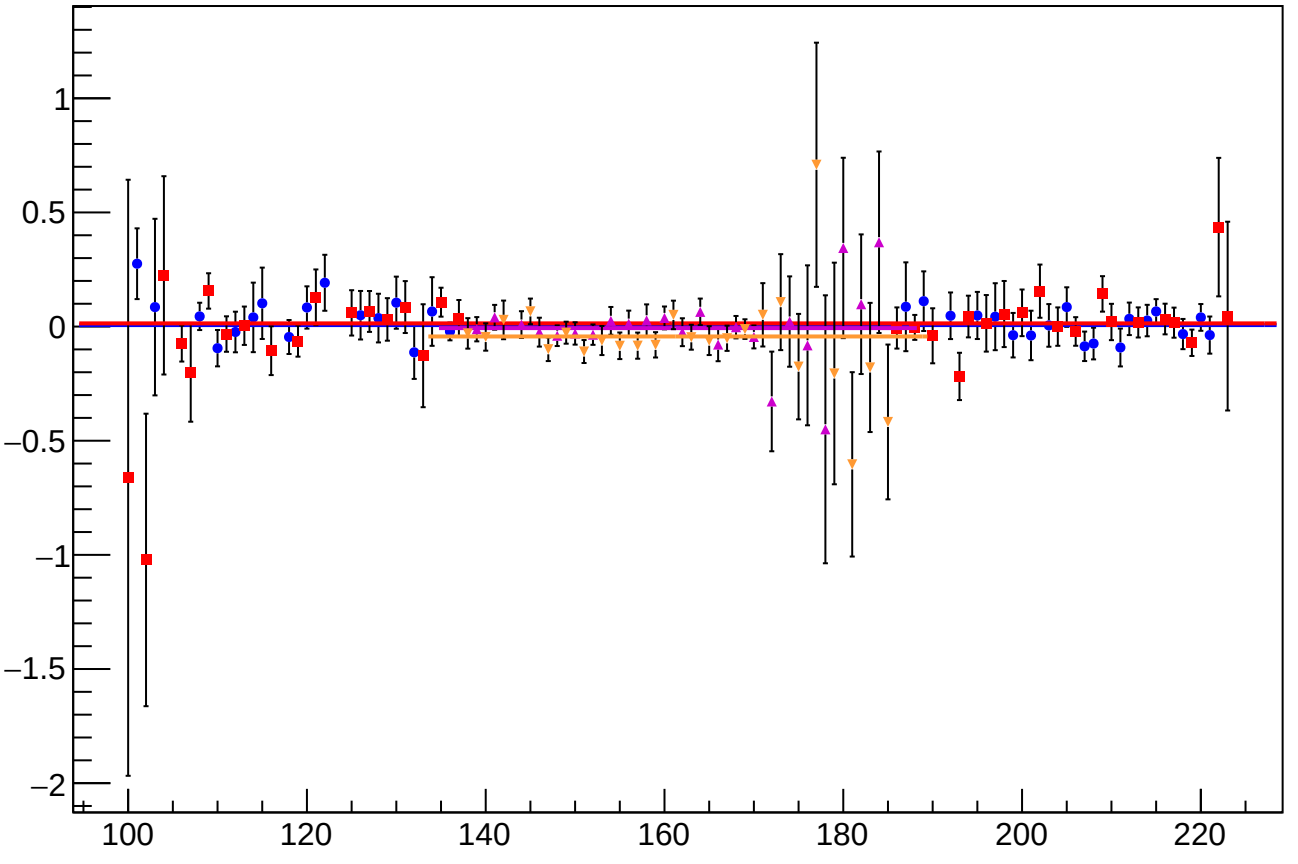
Right Out: 0.004+/-0.000 χ^2/NDF: 10786302.8/36

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 26570797.4/57

All: 0.003+/-0.000 χ^2/NDF: 48979998.5/117

- sign 0.003+/-0.000 χ^2/NDF: 22397187.6/59



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

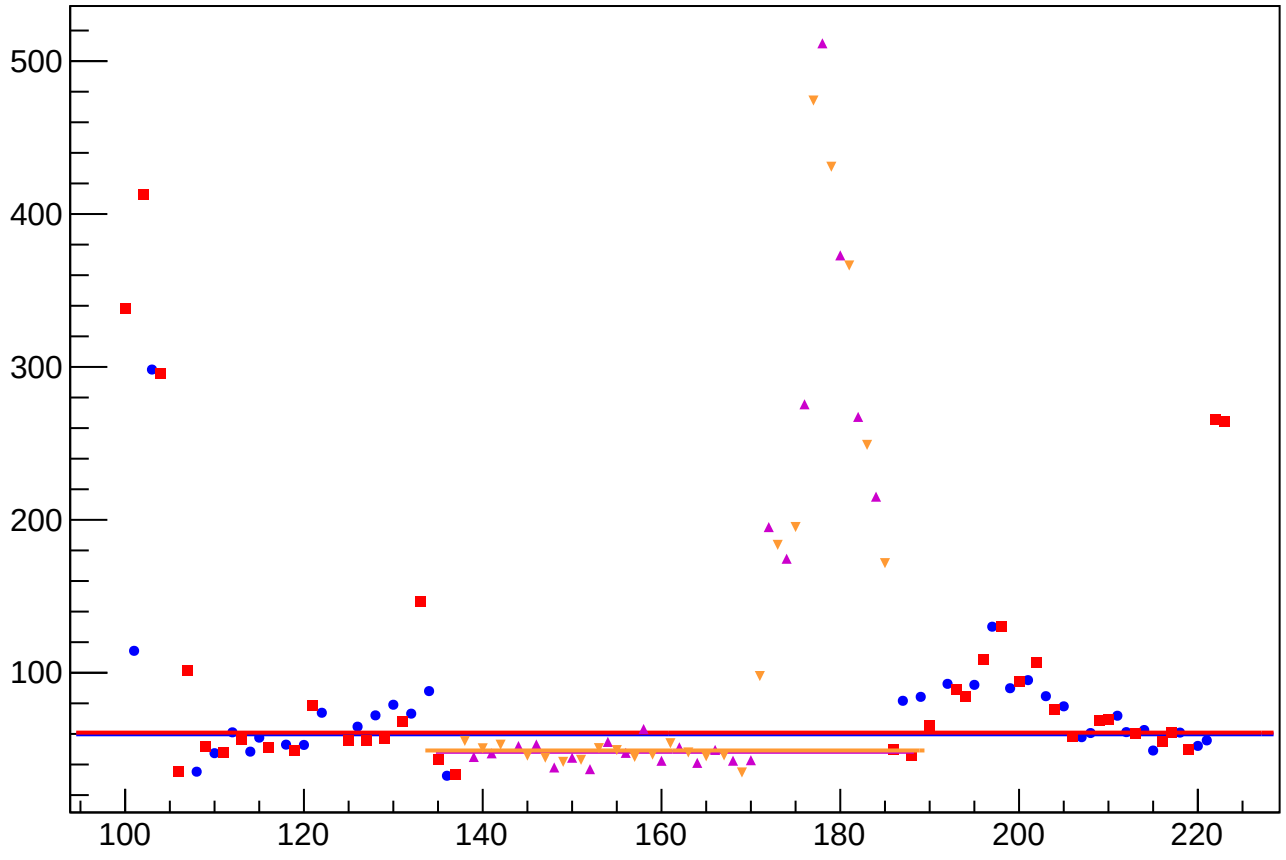
Right Out: 0.014+/-0.015 χ^2/NDF: 30.7/36

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

\+ sign -0.019+/-0.010 χ^2/NDF: 46.6/57

All: -0.008+/-0.007 χ^2/NDF: 92.0/117

\- sign 0.003+/-0.010 χ^2/NDF: 43.0/59



Right In: 59.766+/-0.010 χ^2/NDF: 4377099.4/33

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

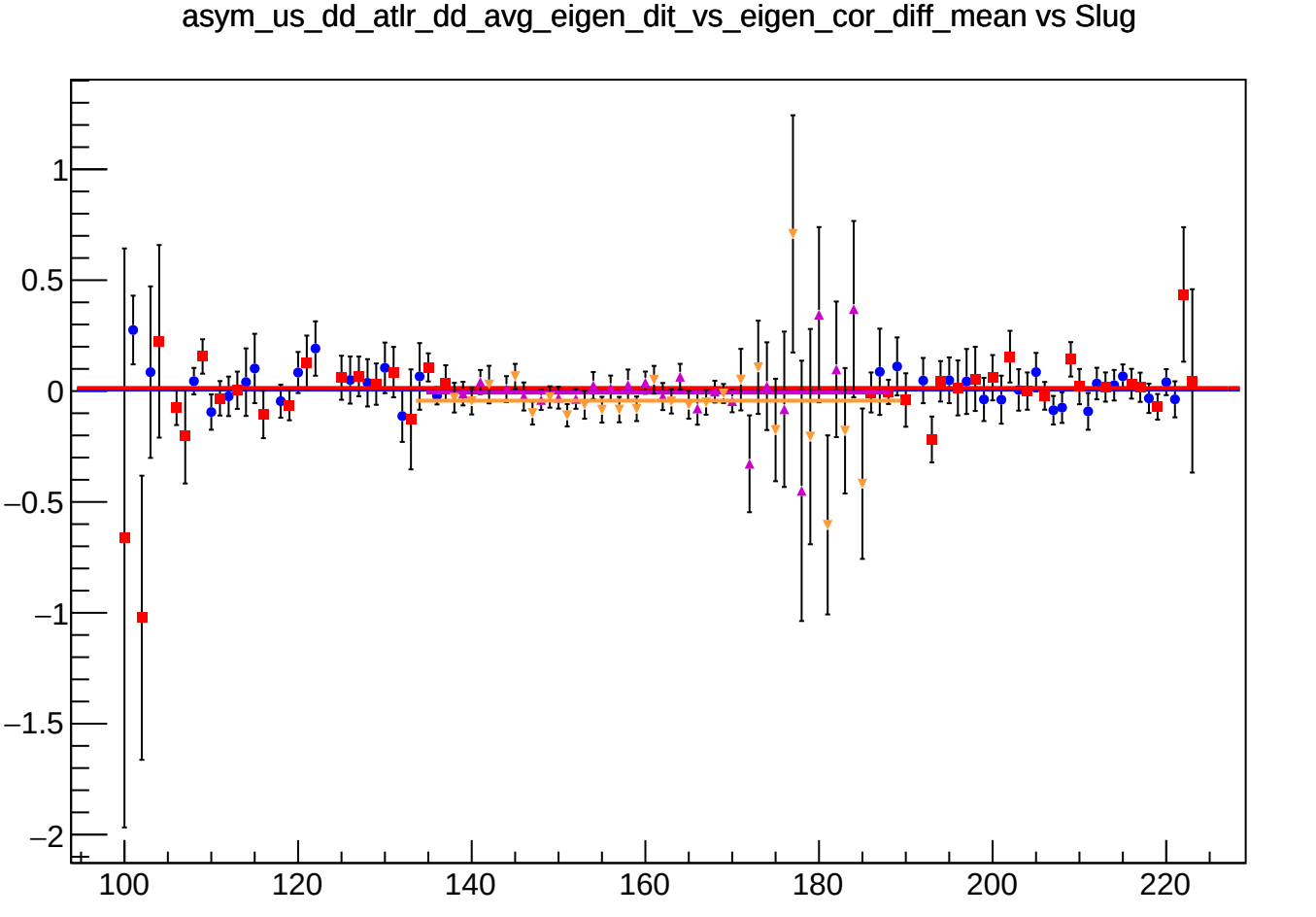
Right Out: 60.855+/-0.010 χ^2/NDF: 5800762.1/36

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.312+/-0.007 χ^2/NDF: 12189252.6/57

All: 54.181+/-0.005 χ^2/NDF: 25819355.0/117

- sign 54.049+/-0.007 χ^2/NDF: 13629404.9/59



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

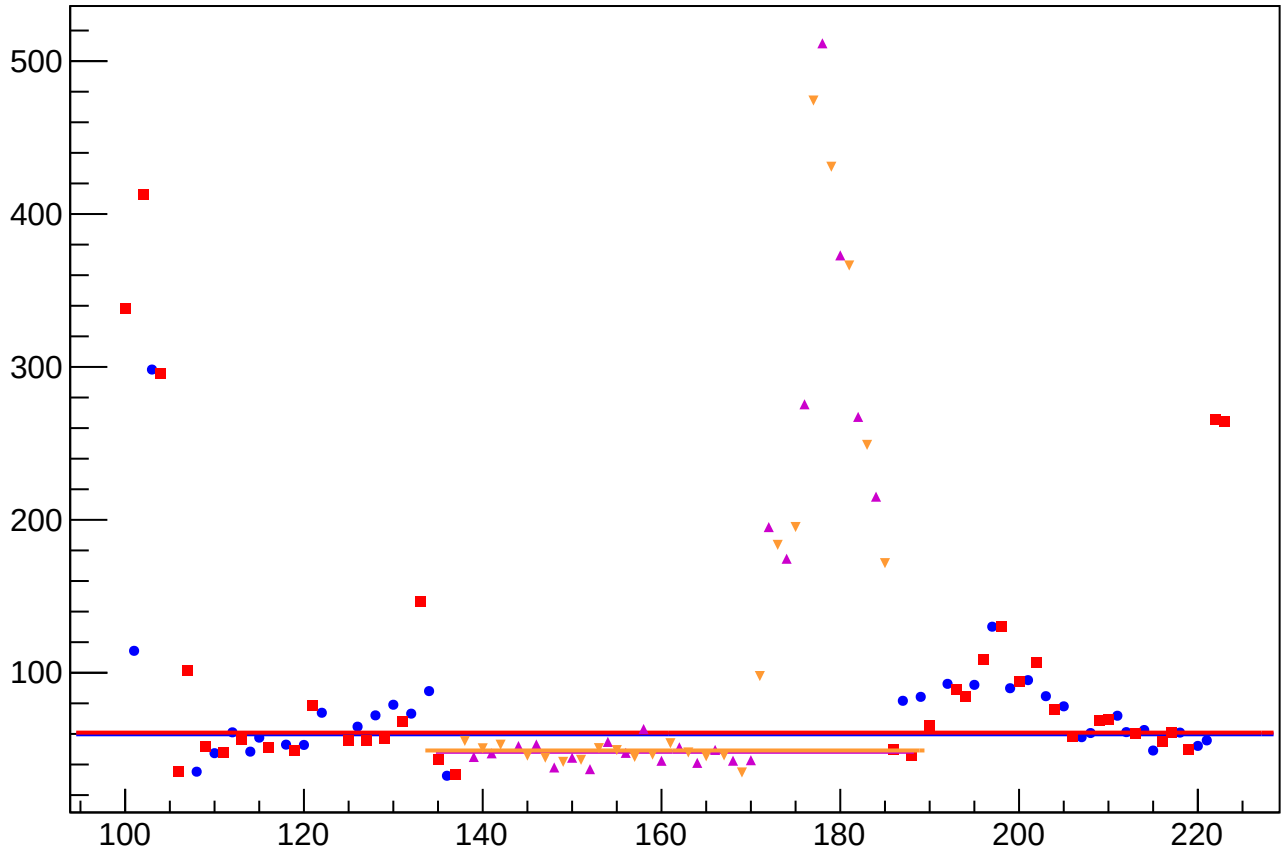
Right Out: 0.014+/-0.015 χ^2/NDF: 30.7/36

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

\+ sign -0.019+/-0.010 χ^2/NDF: 46.6/57

All: -0.008+/-0.007 χ^2/NDF: 92.0/117

\- sign 0.003+/-0.010 χ^2/NDF: 43.0/59



Right In: 59.766+/-0.010 χ^2/NDF: 4377099.4/33

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

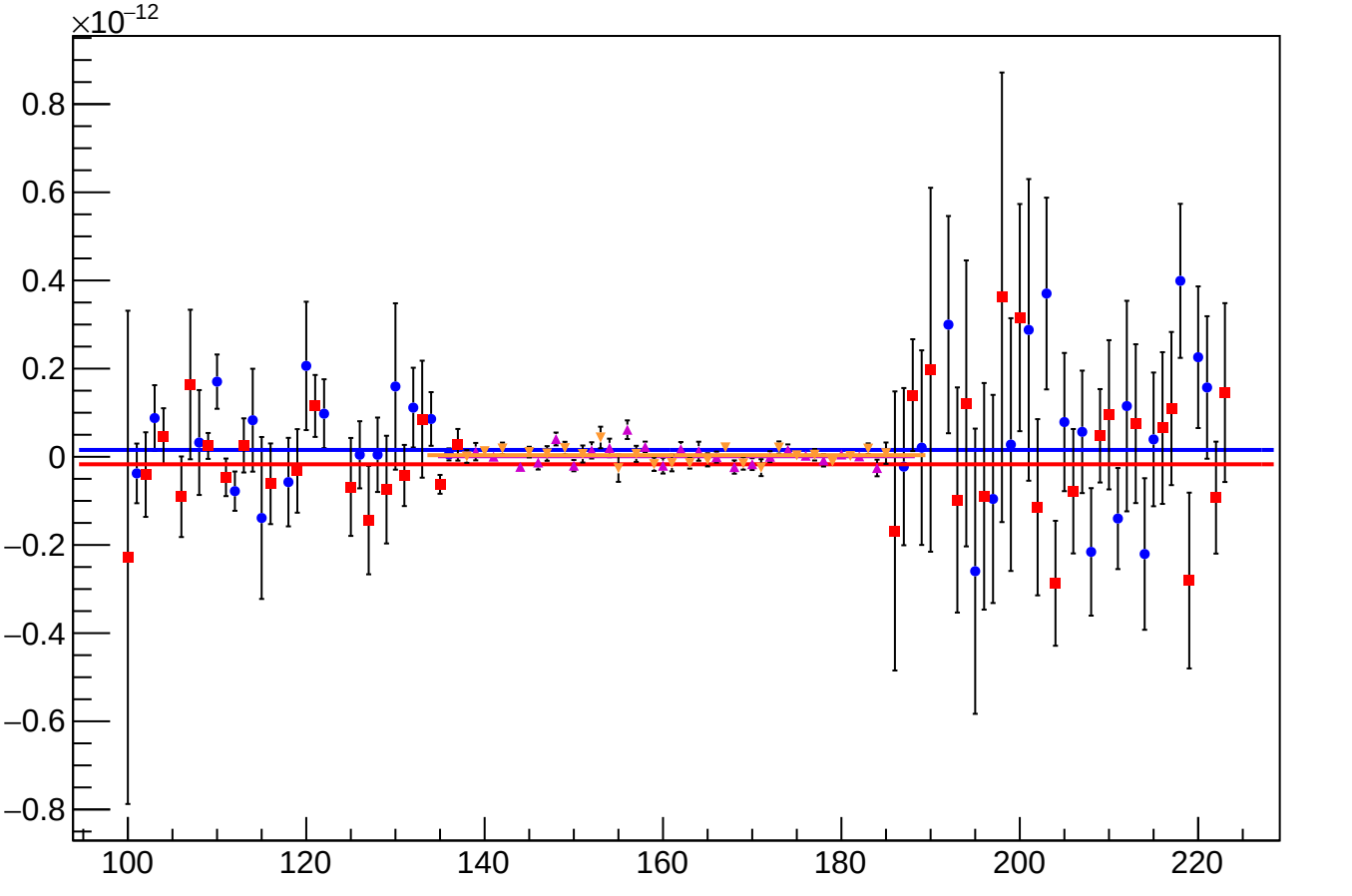
Right Out: 60.855+/-0.010 χ^2/NDF: 5800762.1/36

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.312+/-0.007 χ^2/NDF: 12189252.6/57

All: 54.181+/-0.005 χ^2/NDF: 25819355.0/117

- sign 54.049+/-0.007 χ^2/NDF: 13629404.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 40.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

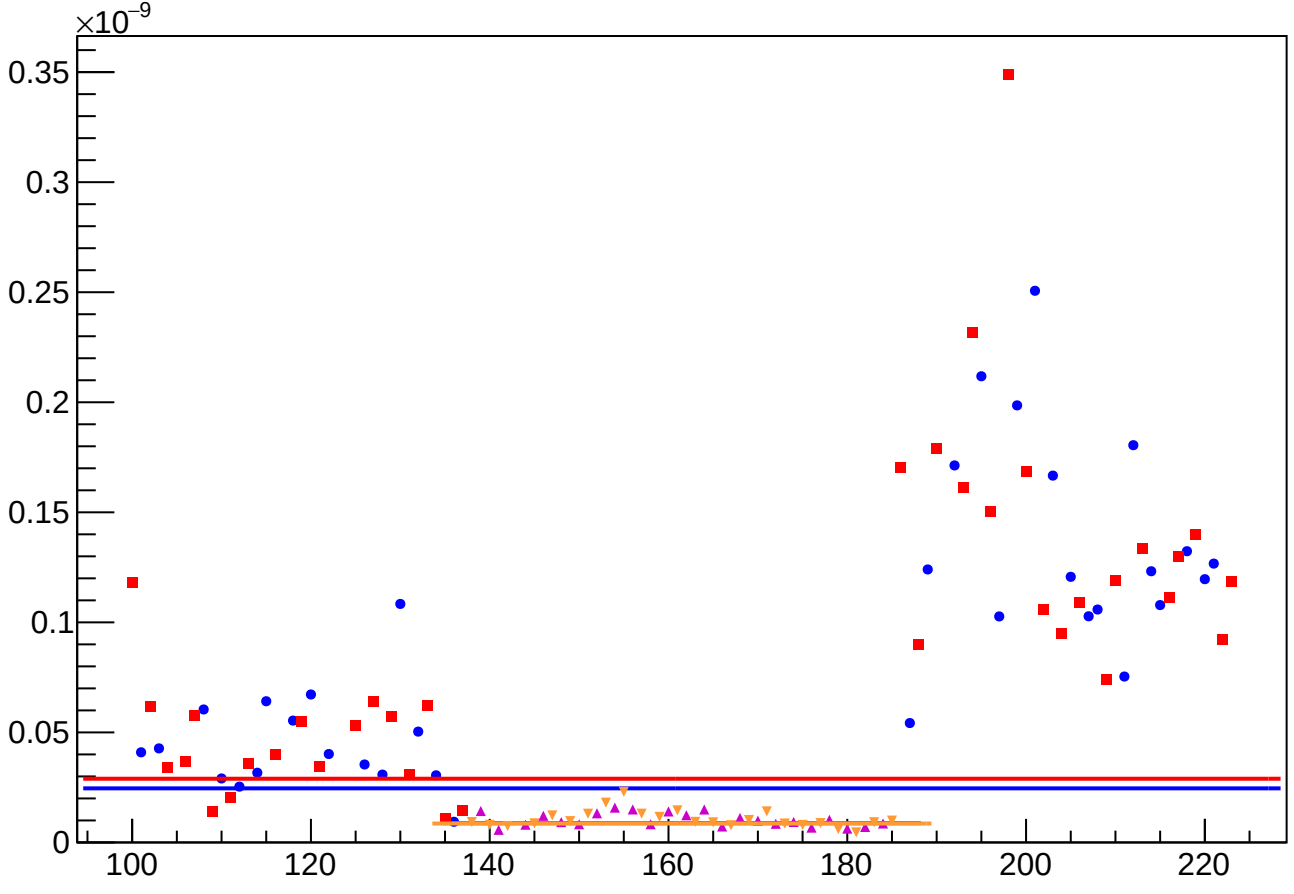
Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/36

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/57

All: 0.000+/-0.000 χ^2/NDF: 140.4/117

- sign 0.000+/-0.000 χ^2/NDF: 73.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 15403265.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13279201.9/36

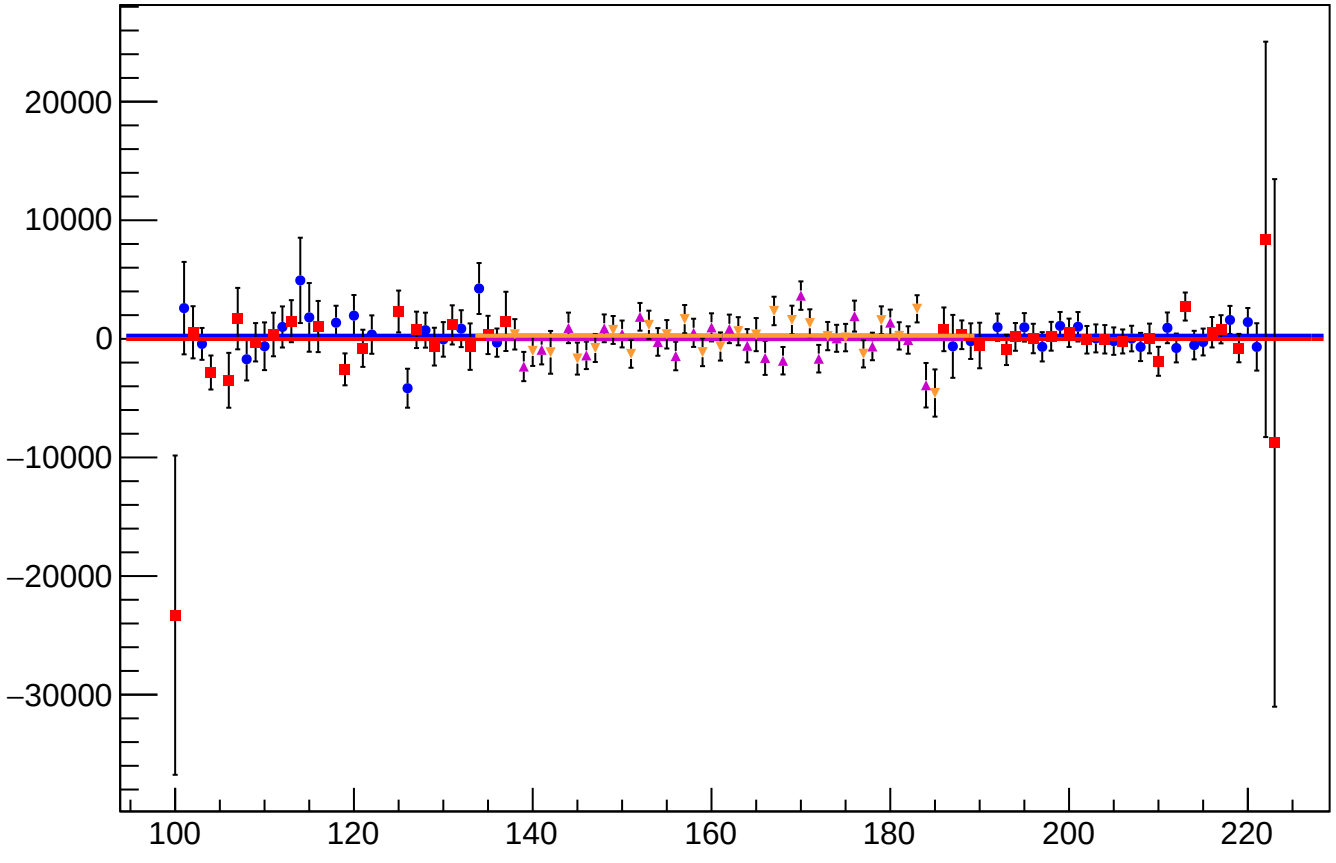
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 21932199.6/57

All: 0.000+/-0.000 χ^2/NDF: 42573782.6/117

- sign 0.000+/-0.000 χ^2/NDF: 20633133.2/59

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.644+/-242.079 χ^2/NDF: 24.3/33

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -13.545+/-245.566 χ^2/NDF: 28.1/36

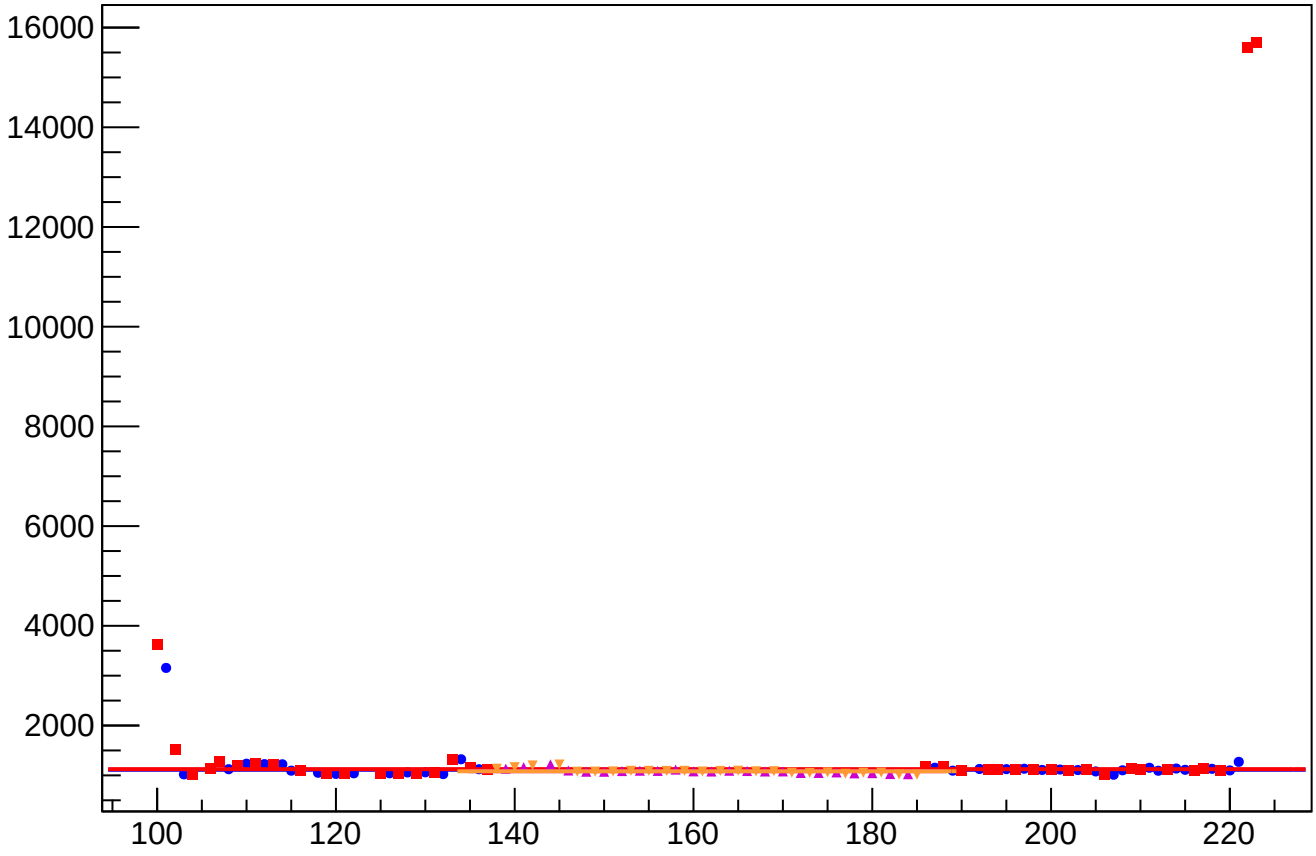
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 264.279+/-174.378 χ^2/NDF: 52.5/57

All: 124.794+/-123.986 χ^2/NDF: 117.7/117

- sign -17.820+/-176.323 χ^2/NDF: 63.9/59

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.544+/-0.171 χ^2/NDF: 661216.1/33

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

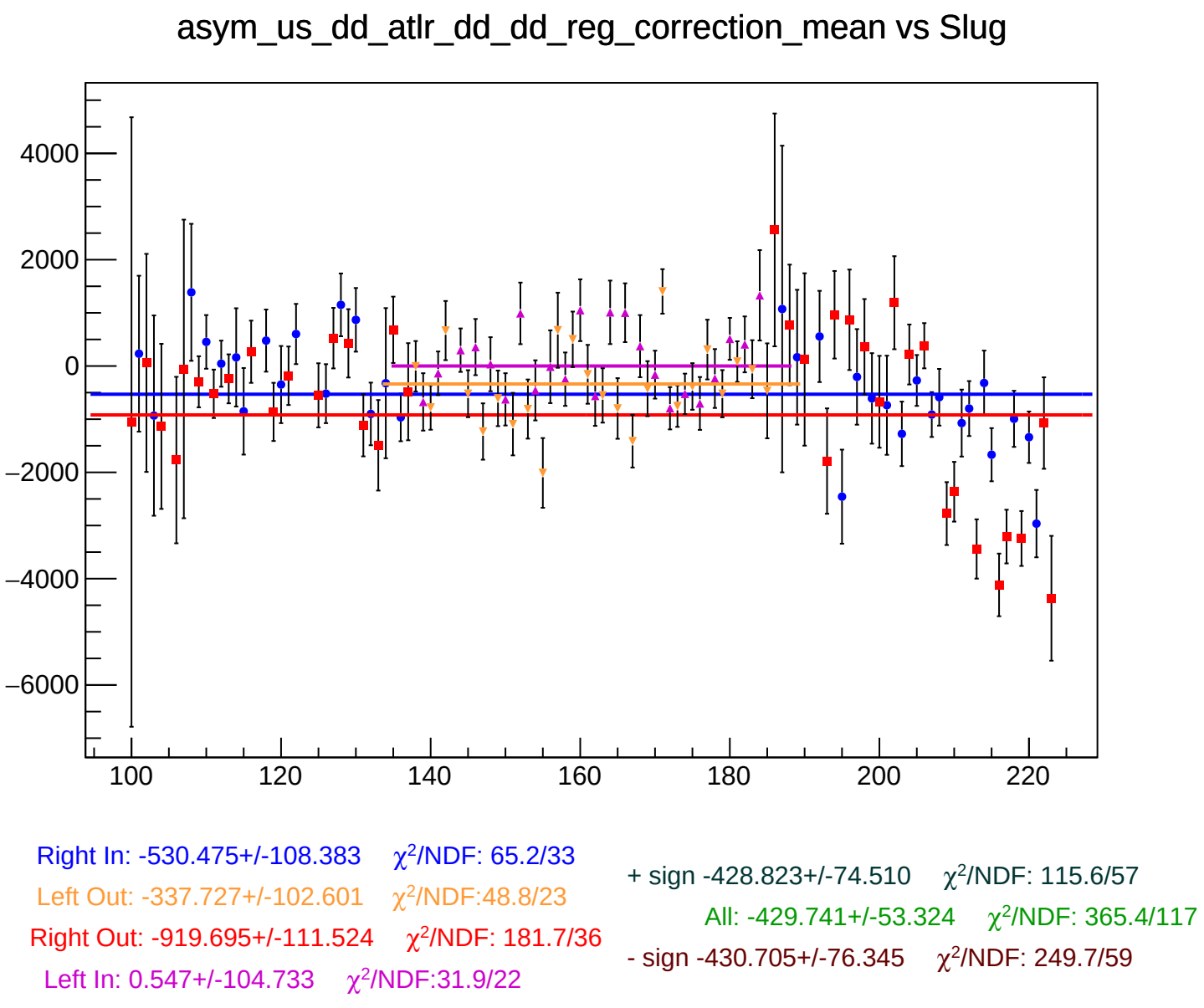
Right Out: 1124.329+/-0.174 χ^2/NDF: 2619685.8/36

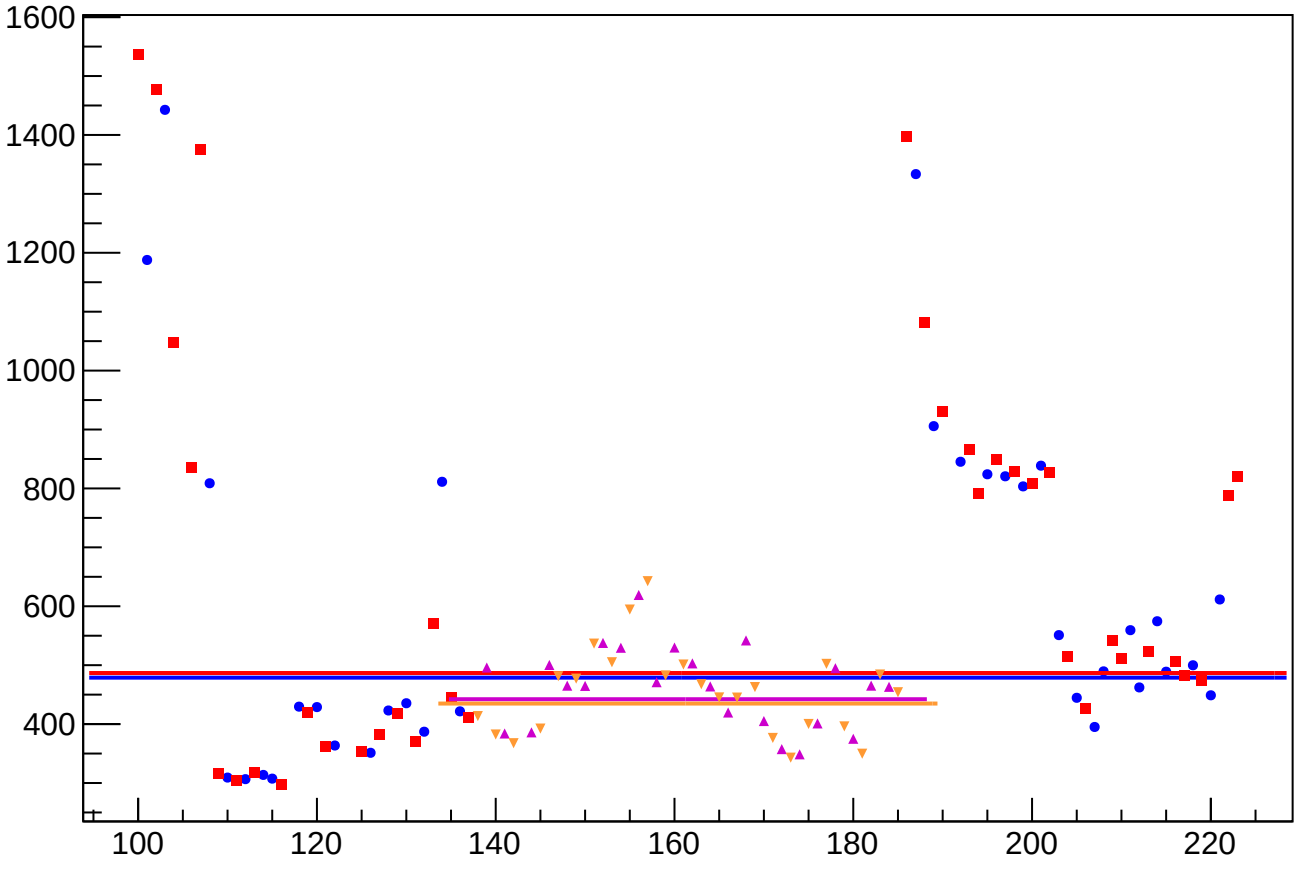
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1097.997+/-0.123 χ^2/NDF: 734101.2/57

All: 1101.397+/-0.088 χ^2/NDF: 3434679.9/11

- sign 1104.873+/-0.125 χ^2/NDF: 2699041.3/59


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -530.475+/-108.383 χ²/NDF: 65.2/33
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: -919.695+/-111.524 χ²/NDF: 181.7/36
Left In: 0.547+/-104.733 χ²/NDF:31.9/22
+ sign -428.823+/-74.510 χ²/NDF: 115.6/57
All: -429.741+/-53.324 χ²/NDF: 365.4/117
- sign -430.705+/-76.345 χ²/NDF: 249.7/59



Right In: 478.839+/-0.077 χ^2/NDF: 4478547.8/33

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 486.702+/-0.079 χ^2/NDF: 5849938.7/36

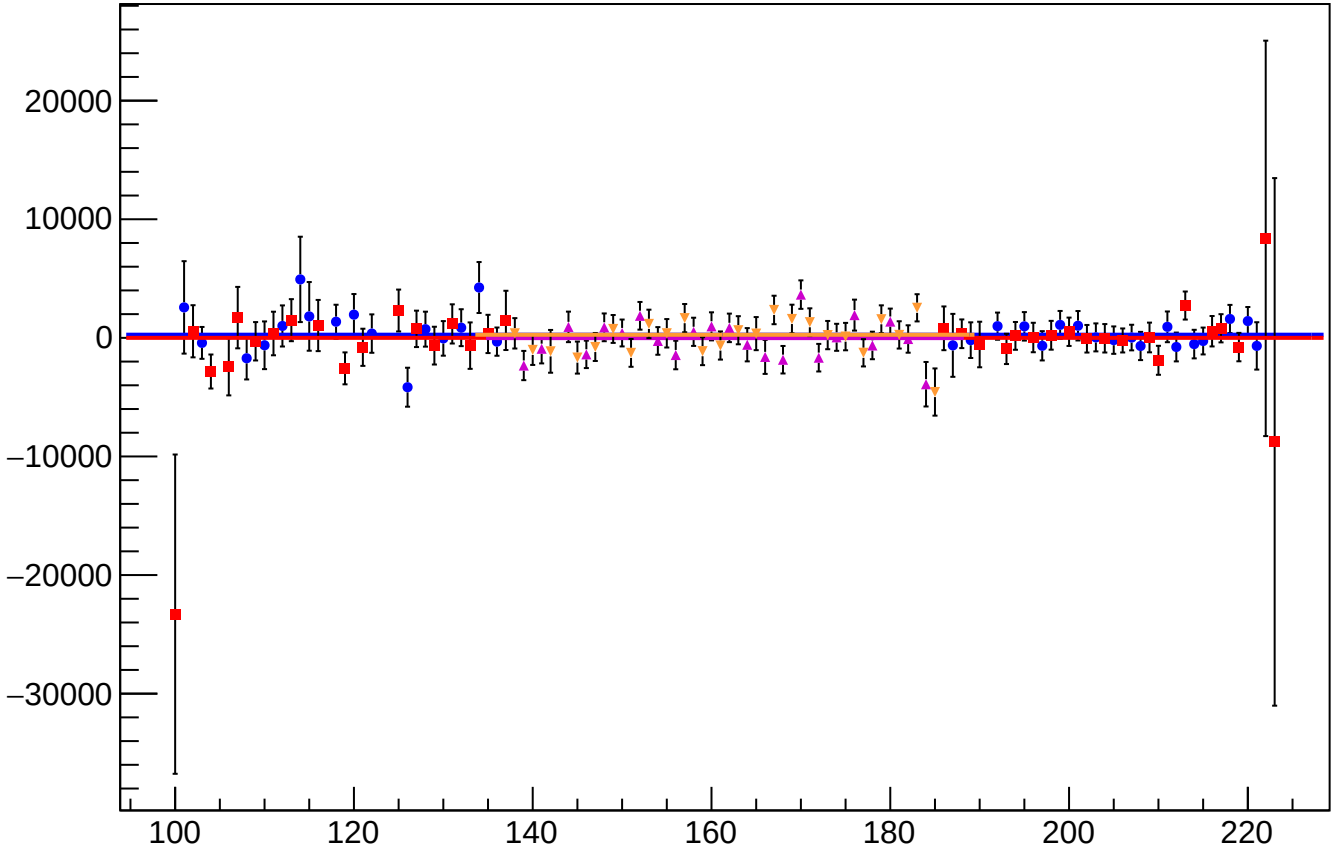
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 455.644+/-0.053 χ^2/NDF: 5530644.3/57

All: 459.262+/-0.038 χ^2/NDF: 12385369.8/11

- sign 463.059+/-0.054 χ^2/NDF: 6845062.8/59

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.524+/-242.079 χ^2/NDF: 24.3/33

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 0.443+/-245.673 χ^2/NDF: 26.9/36

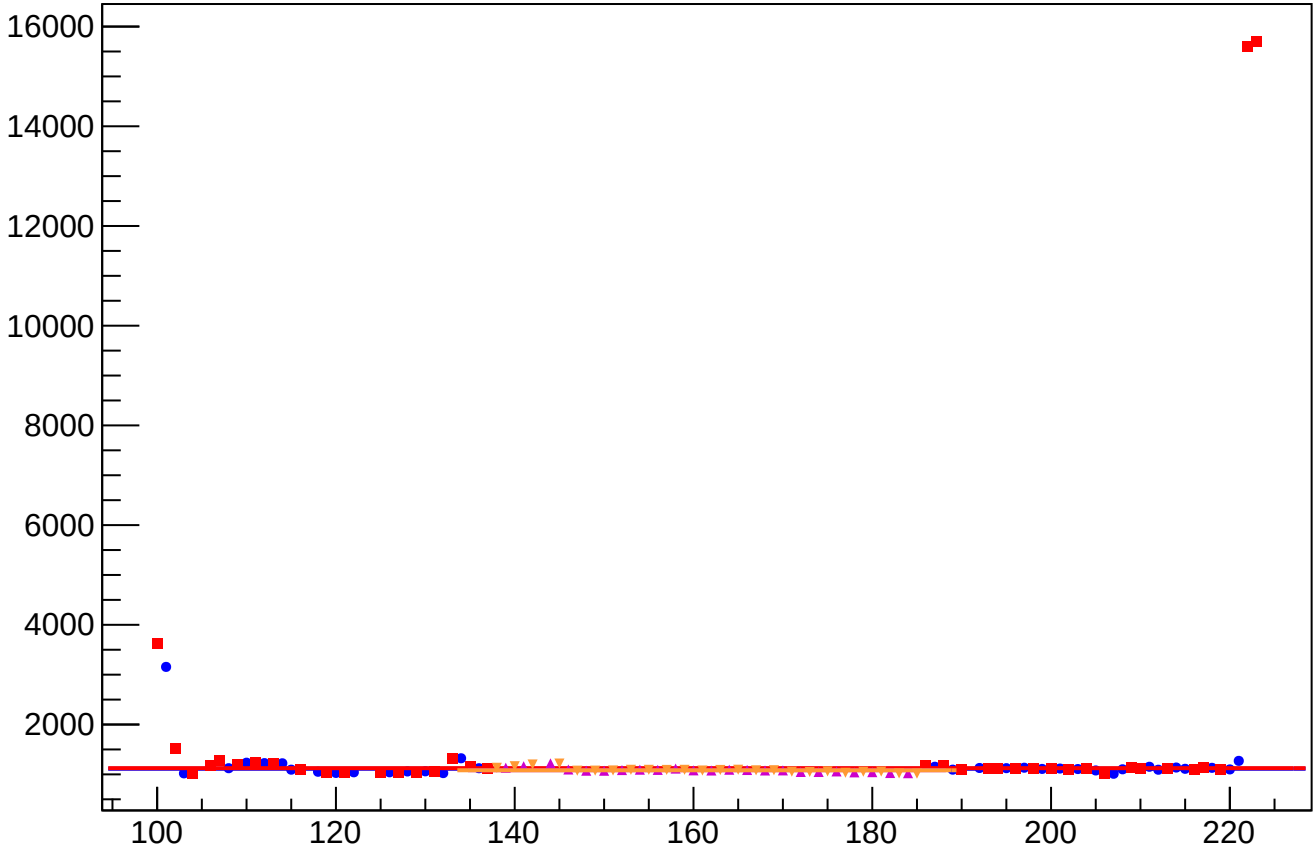
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 264.212+/-174.378 χ^2/NDF: 52.5/57

All: 128.356+/-123.999 χ^2/NDF: 116.4/117

- sign -10.609+/-176.362 χ^2/NDF: 62.6/59

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.544+/-0.171 χ^2/NDF: 661217.1/33

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

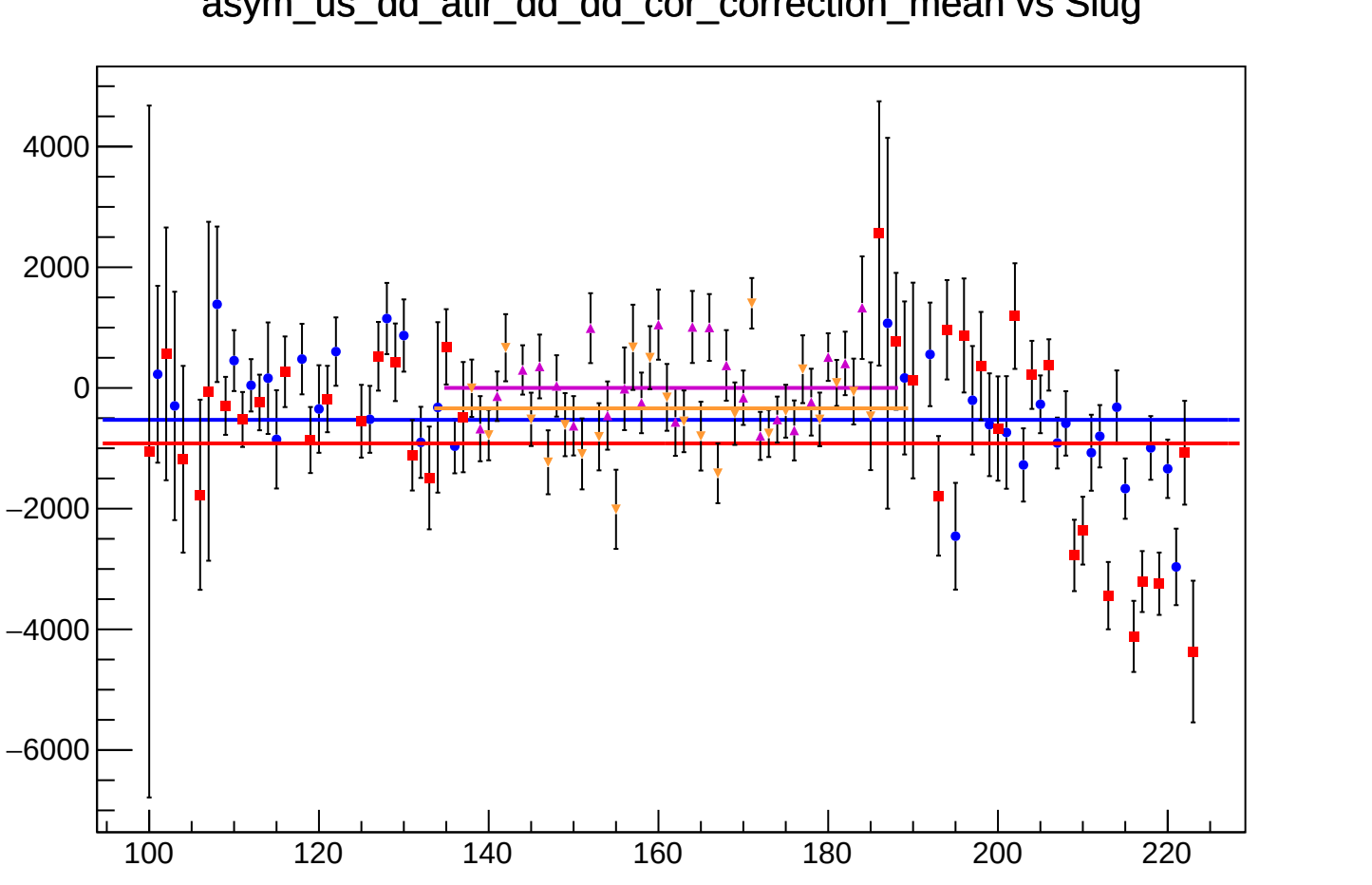
Right Out: 1124.641+/-0.174 χ^2/NDF: 2620361.5/36

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1097.997+/-0.123 χ^2/NDF: 734102.1/57

All: 1101.471+/-0.088 χ^2/NDF: 3435818.5/11

- sign 1105.025+/-0.125 χ^2/NDF: 2700110.5/59



Right In: -528.482+/-108.383 χ^2/NDF: 65.1/33

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

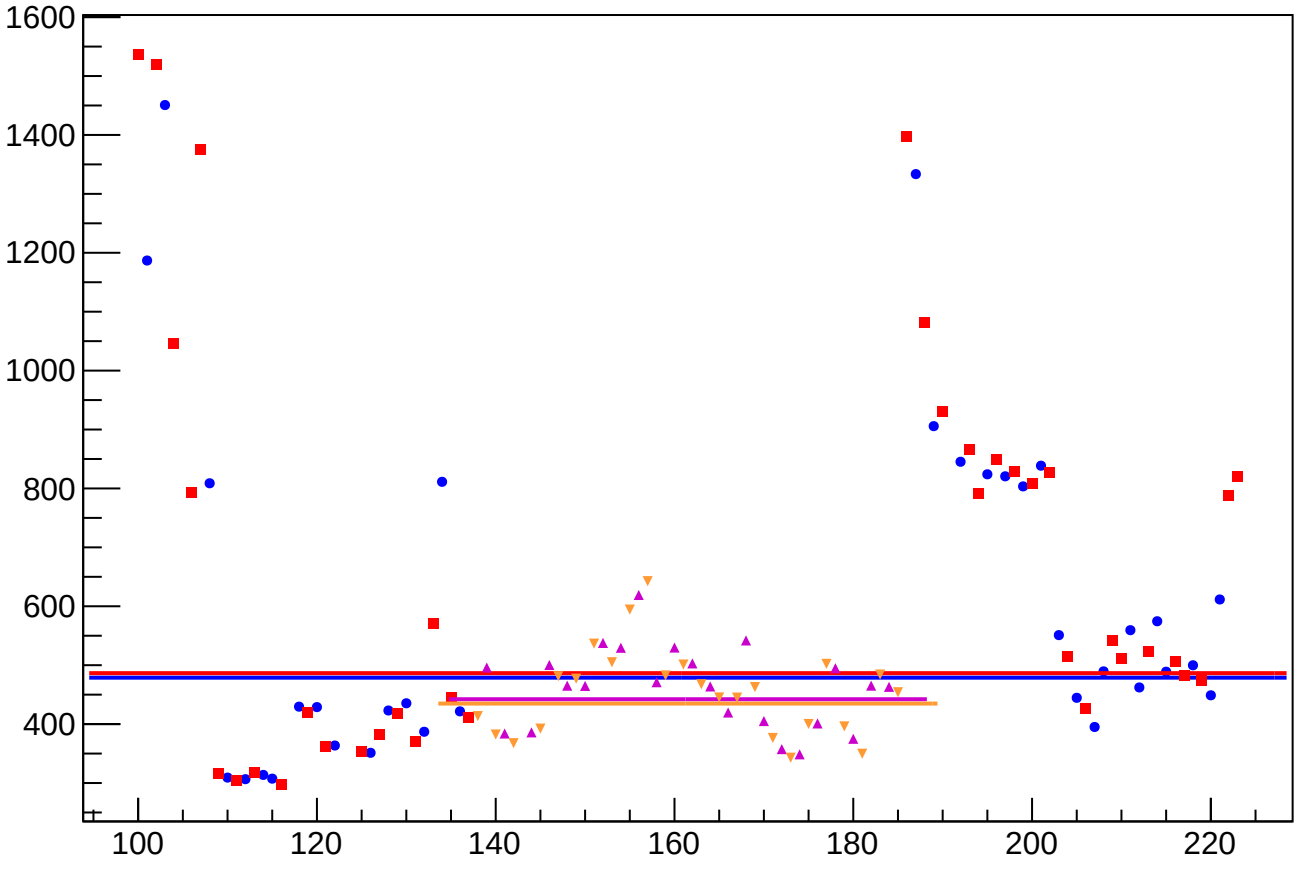
Right Out: -918.625+/-111.532 χ^2/NDF: 182.0/36

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -427.927+/-74.510 χ^2/NDF: 115.6/57

All: -429.017+/-53.324 χ^2/NDF: 365.5/117

- sign -430.161+/-76.348 χ^2/NDF: 249.9/59



Right In: 478.836+/-0.077 χ^2/NDF: 4482375.8/33

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

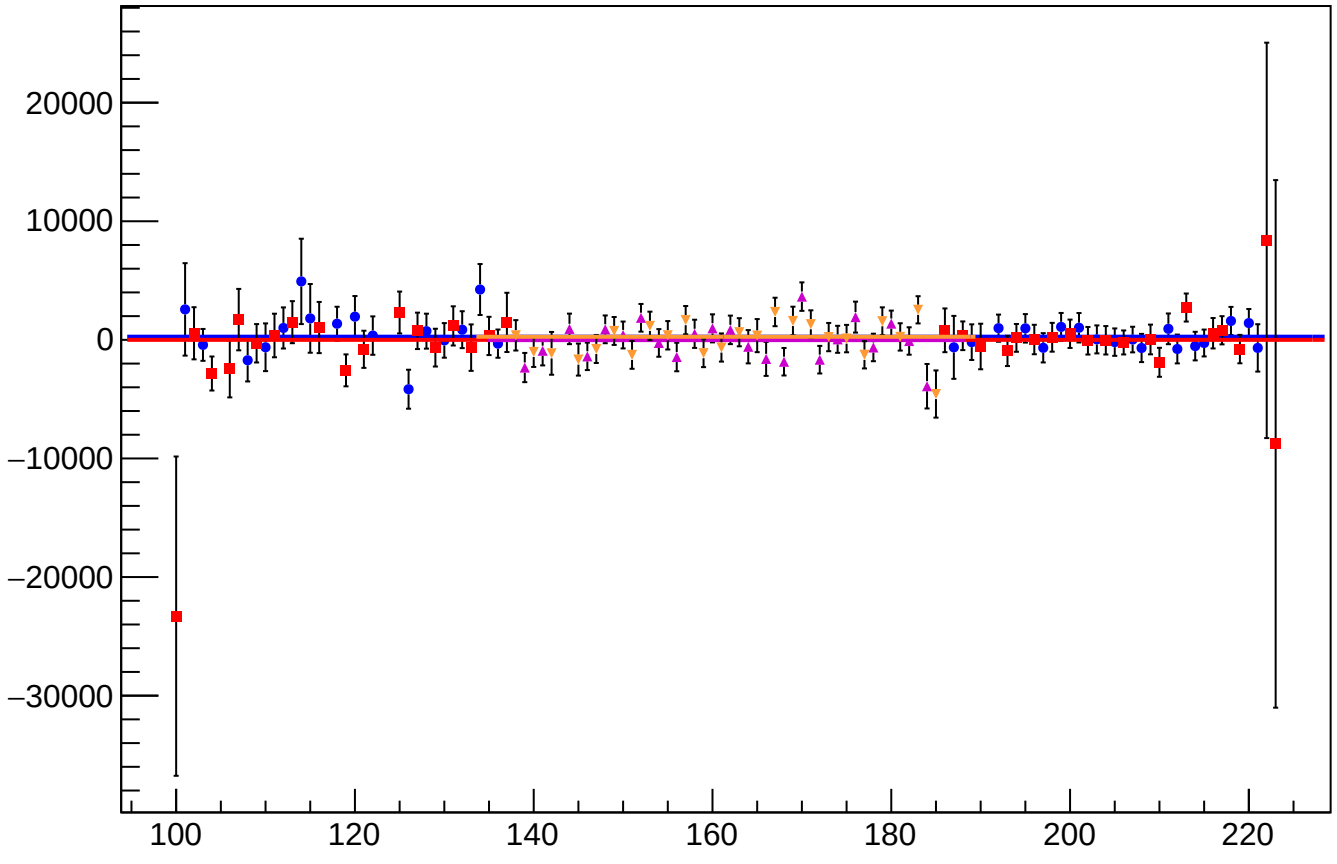
Right Out: 486.479+/-0.079 χ^2/NDF: 5845138.5/36

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 455.641+/-0.053 χ^2/NDF: 5534559.4/57

All: 459.209+/-0.038 χ^2/NDF: 12382380.9/11

- sign 462.954+/-0.054 χ^2/NDF: 6838424.2/59



Right In: 267.524+/-242.079 χ^2/NDF: 24.3/33

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 0.443+/-245.673 χ^2/NDF: 26.9/36

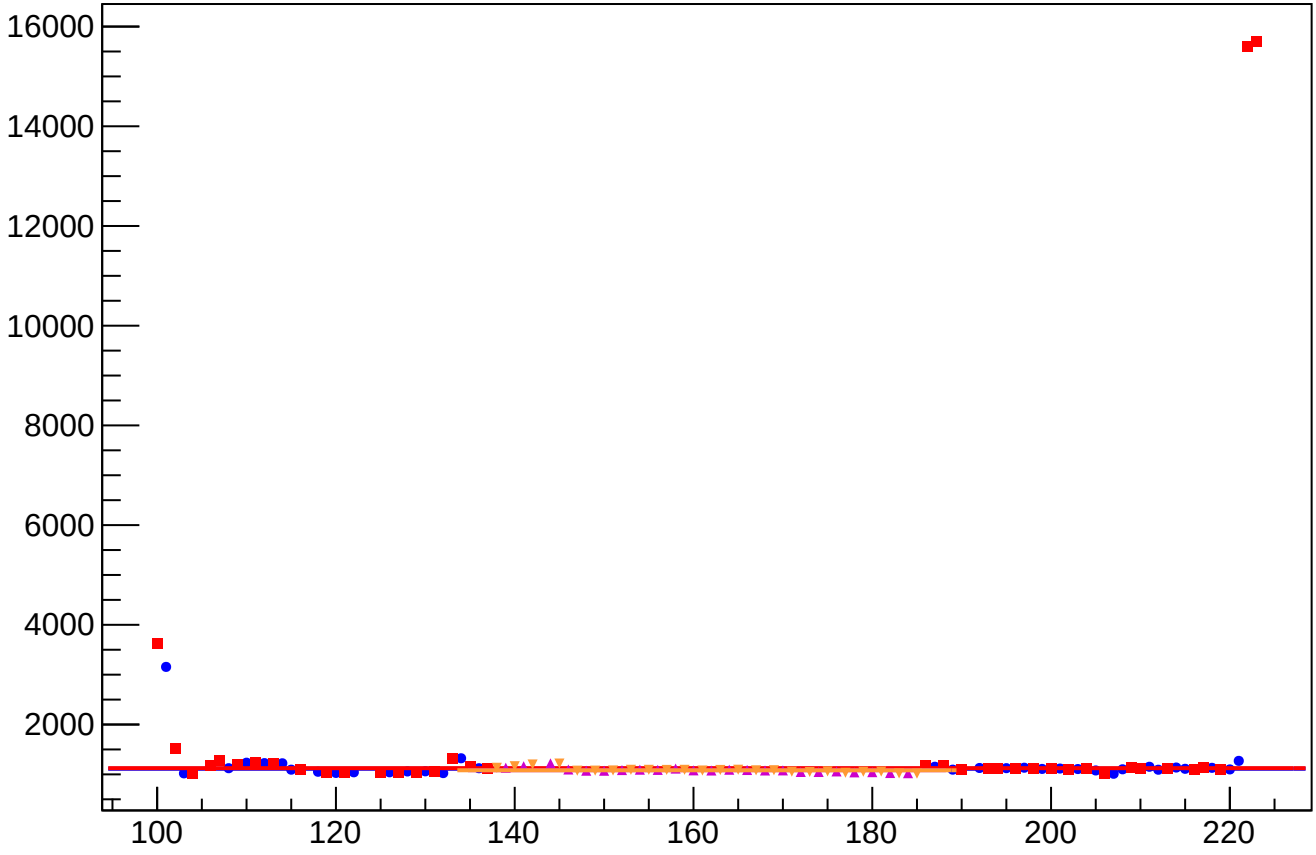
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 264.212+/-174.378 χ^2/NDF: 52.5/57

All: 128.356+/-123.999 χ^2/NDF: 116.4/117

- sign -10.609+/-176.362 χ^2/NDF: 62.6/59

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.544+/-0.171 χ^2/NDF: 661217.1/33

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

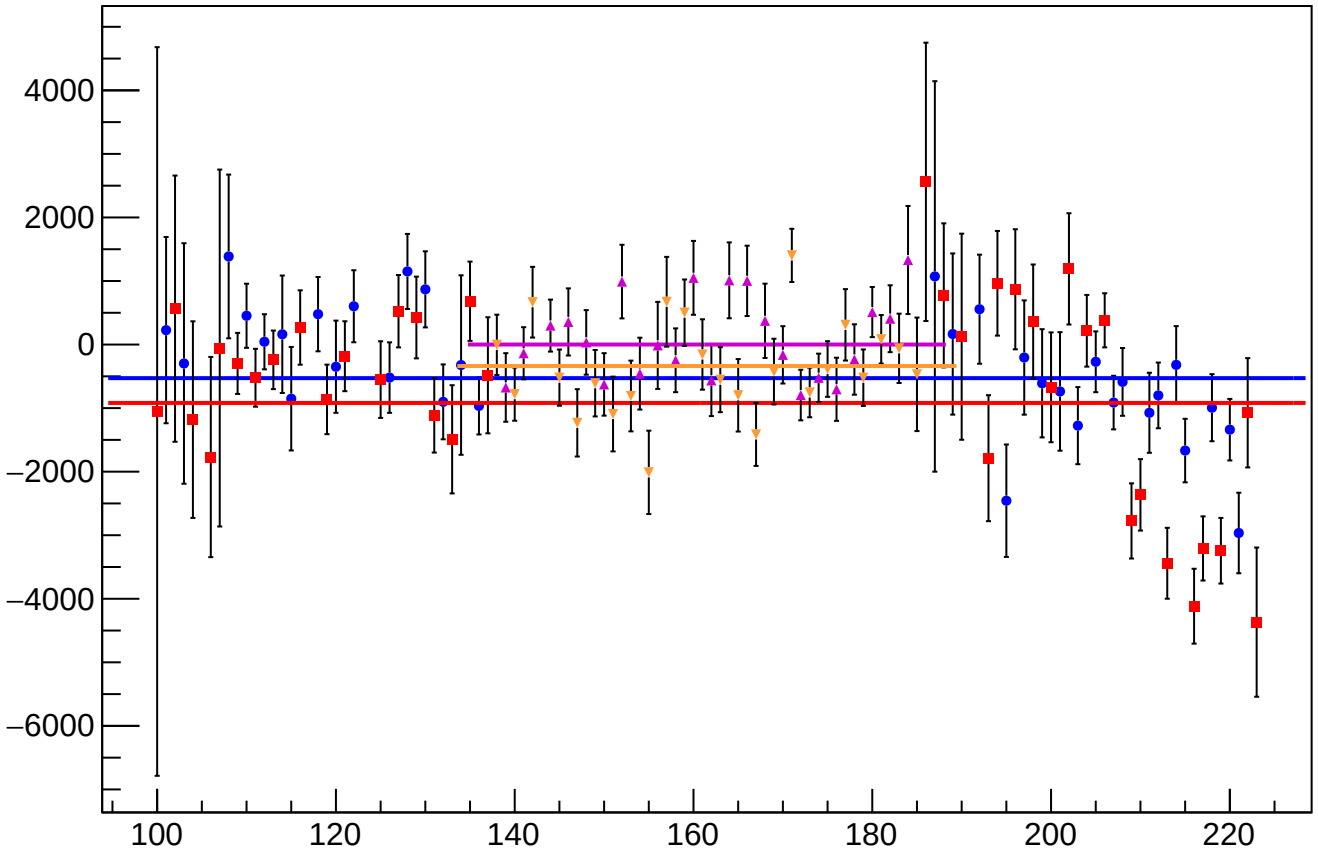
Right Out: 1124.641+/-0.174 χ^2/NDF: 2620361.5/36

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1097.997+/-0.123 χ^2/NDF: 734102.1/57

All: 1101.471+/-0.088 χ^2/NDF: 3435818.5/11

- sign 1105.025+/-0.125 χ^2/NDF: 2700110.5/59



Right In: -528.482+/-108.383 χ^2/NDF: 65.1/33

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

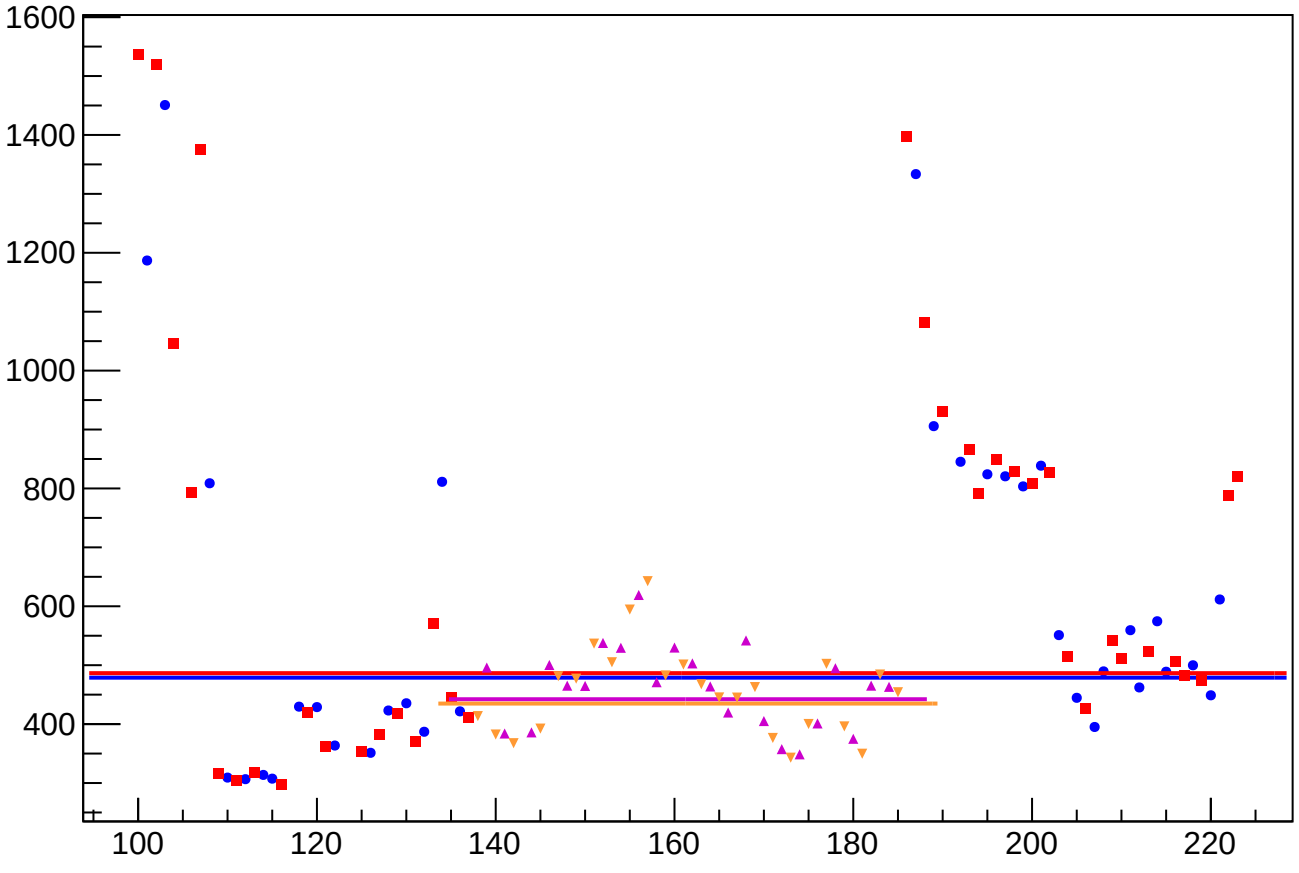
Right Out: -918.625+/-111.532 χ^2/NDF: 182.0/36

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -427.927+/-74.510 χ^2/NDF: 115.6/57

All: -429.017+/-53.324 χ^2/NDF: 365.5/117

- sign -430.161+/-76.348 χ^2/NDF: 249.9/59



Right In: 478.836+/-0.077 χ^2/NDF: 4482375.8/33

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 486.479+/-0.079 χ^2/NDF: 5845138.5/36

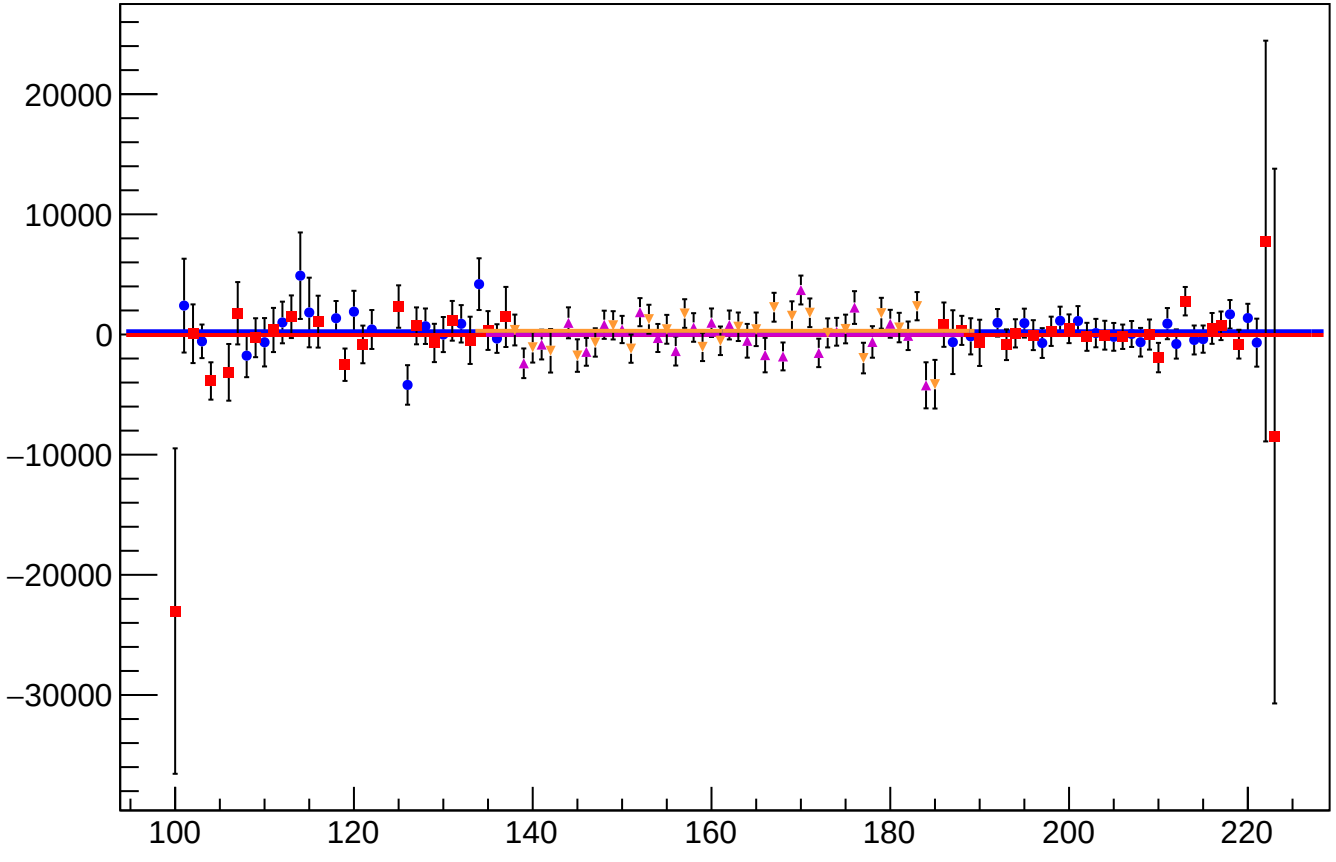
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 455.641+/-0.053 χ^2/NDF: 5534559.4/57

All: 459.209+/-0.038 χ^2/NDF: 12382380.9/11

- sign 462.954+/-0.054 χ^2/NDF: 6838424.2/59

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.812+/-242.633 χ^2/NDF: 24.5/33

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -42.865+/-246.718 χ^2/NDF: 29.6/36

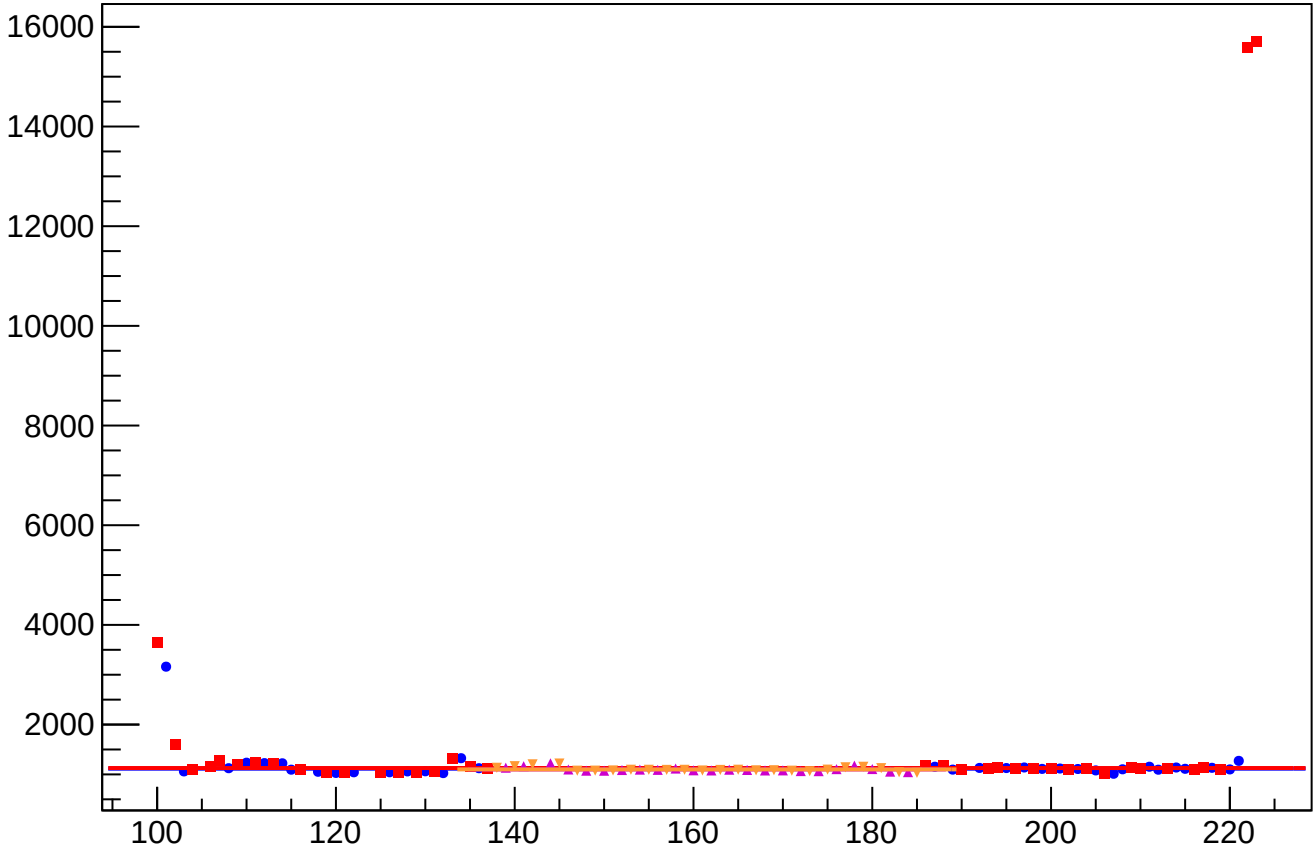
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 284.685+/-175.959 χ^2/NDF: 53.0/57

All: 126.902+/-125.115 χ^2/NDF: 120.0/117

- sign -34.445+/-177.935 χ^2/NDF: 65.4/59

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.117+/-0.172 χ^2/NDF: 655681.0/33

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

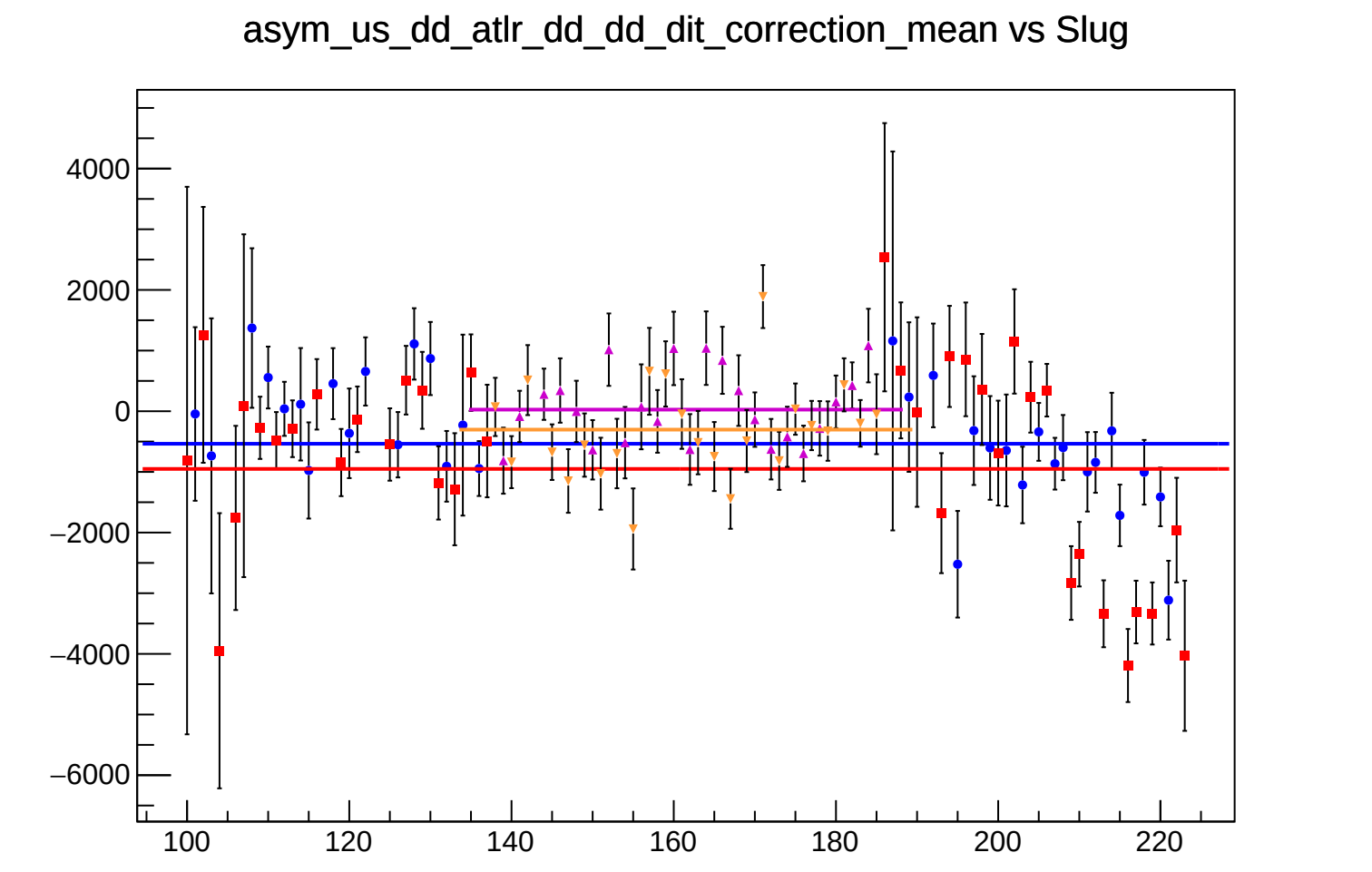
Right Out: 1127.743+/-0.174 χ^2/NDF: 2625345.6/36

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1108.073+/-0.124 χ^2/NDF: 708011.2/57

All: 1111.060+/-0.088 χ^2/NDF: 3392025.6/11

- sign 1114.114+/-0.126 χ^2/NDF: 2682848.7/59



Right In: -536.056+/-109.000 χ^2/NDF: 67.0/33

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -950.822+/-112.768 χ^2/NDF: 182.7/36

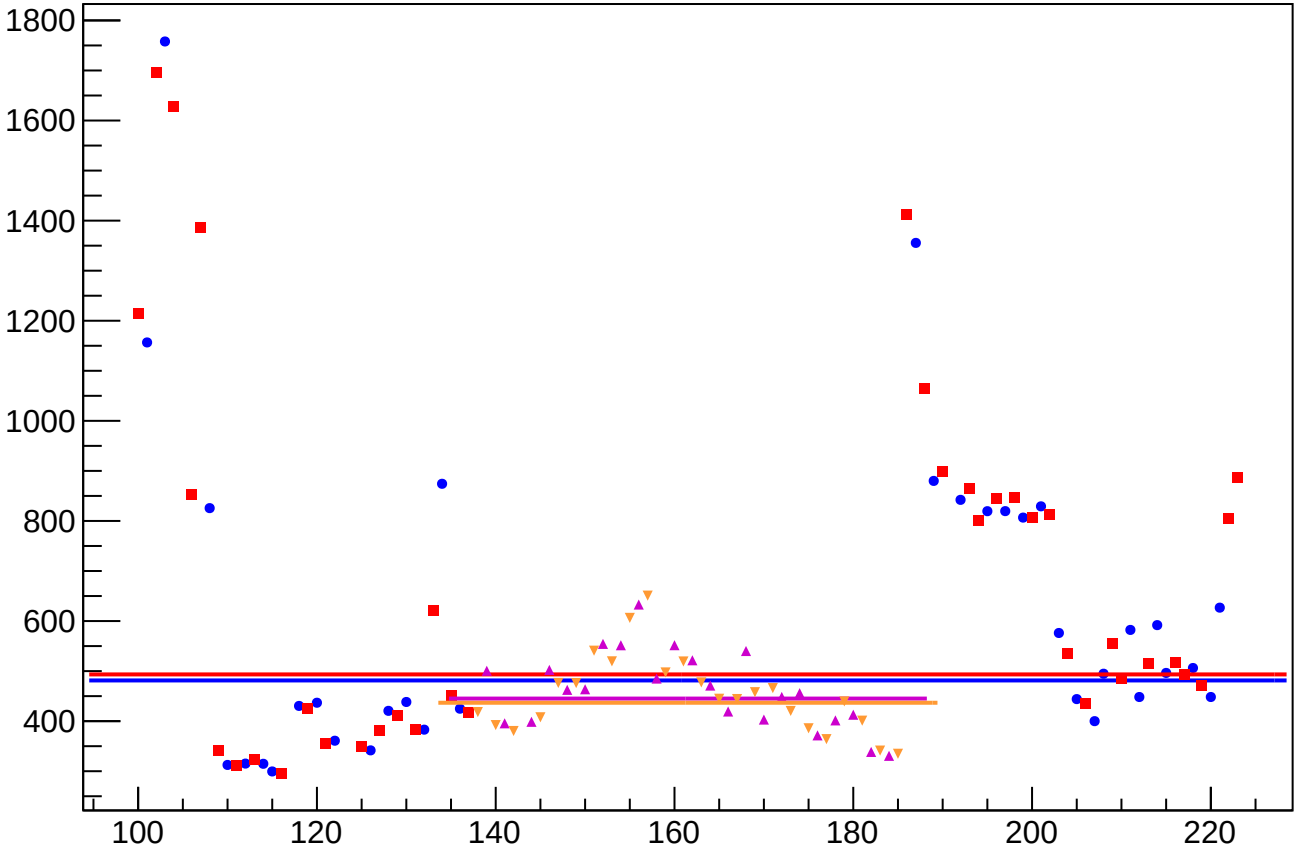
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -413.029+/-74.855 χ^2/NDF: 119.0/57

All: -420.865+/-53.676 χ^2/NDF: 369.6/117

- sign -429.158+/-77.010 χ^2/NDF: 250.7/59

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 481.347+/-0.077 χ^2/NDF: 4633442.8/33

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 493.393+/-0.080 χ^2/NDF: 6217009.8/36

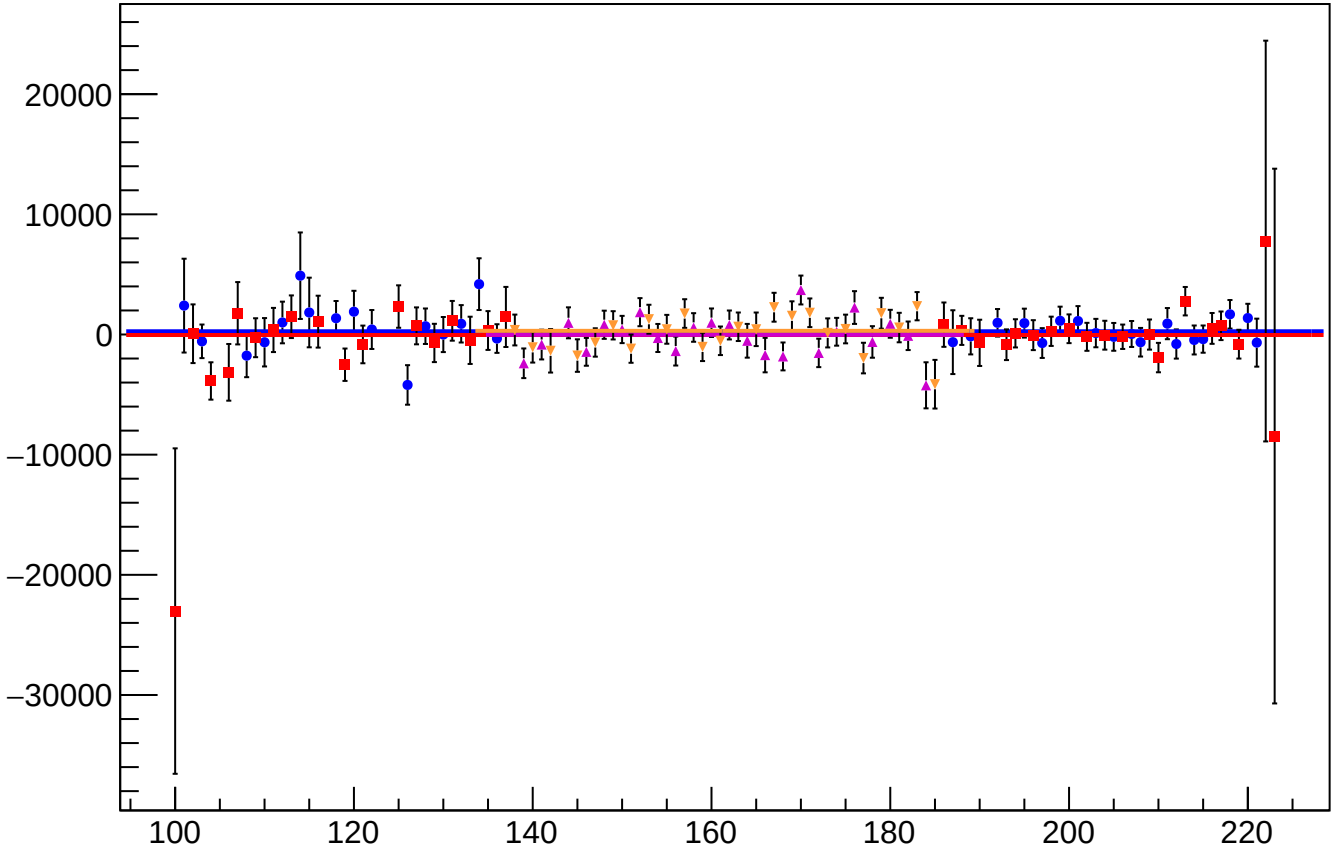
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 457.802+/-0.053 χ^2/NDF: 5665257.7/57

All: 462.575+/-0.038 χ^2/NDF: 12969203.2/11

- sign 467.627+/-0.054 χ^2/NDF: 7287209.3/59

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.810+/-242.633 χ^2/NDF: 24.5/33

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -42.863+/-246.718 χ^2/NDF: 29.6/36

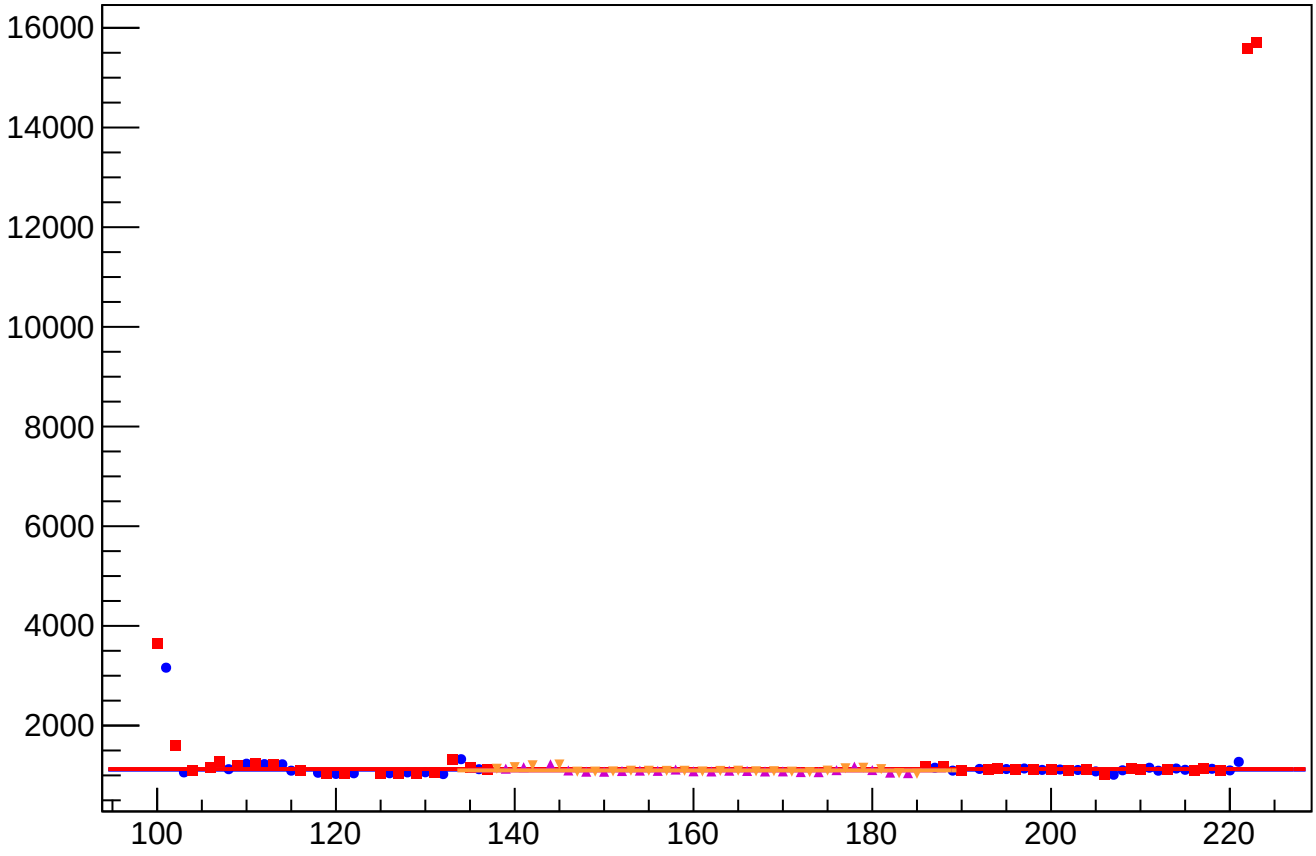
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 284.683+/-175.959 χ^2/NDF: 53.0/57

All: 126.901+/-125.115 χ^2/NDF: 120.0/117

- sign -34.445+/-177.935 χ^2/NDF: 65.4/59

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.117+/-0.172 χ^2/NDF: 655681.0/33

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

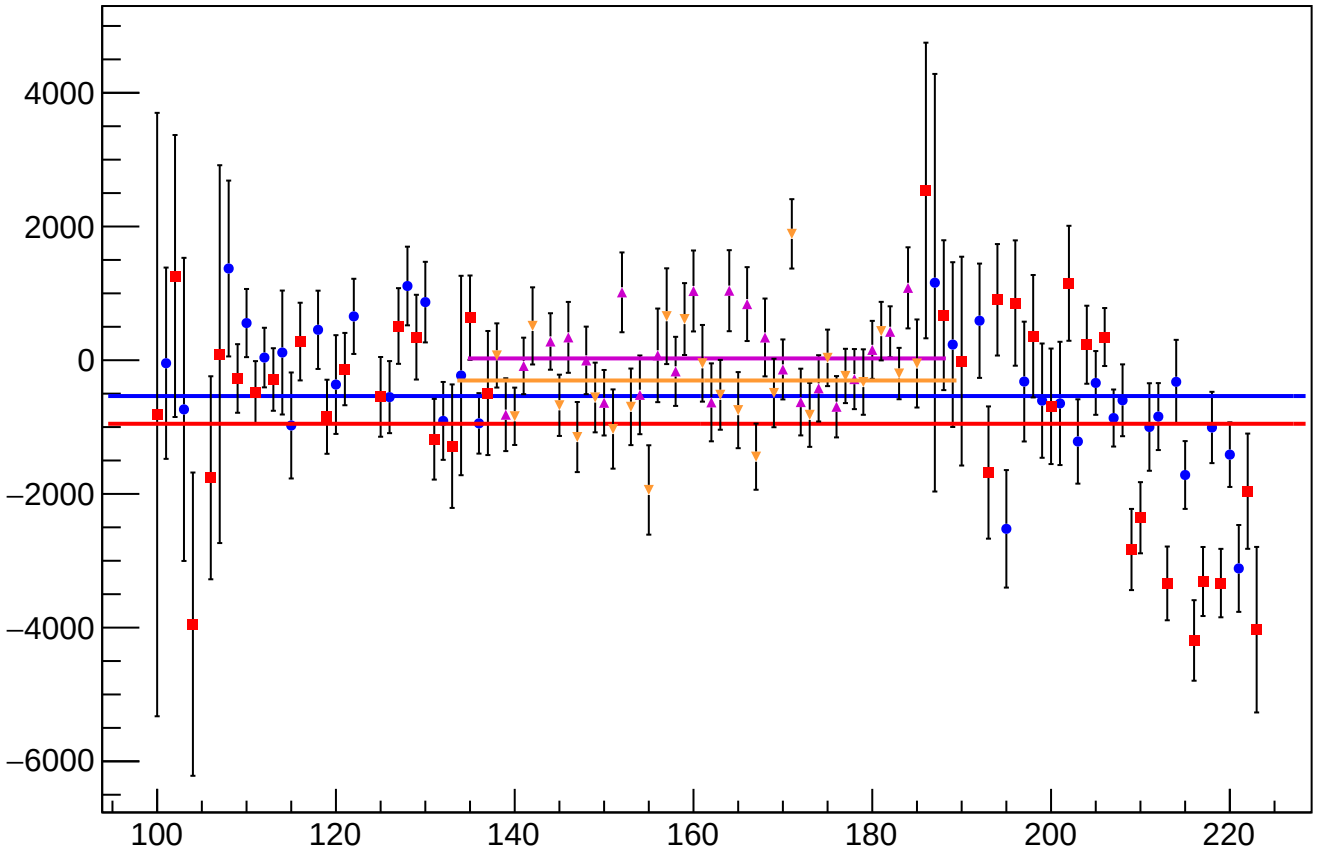
Right Out: 1127.743+/-0.174 χ^2/NDF: 2625345.7/36

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.073+/-0.124 χ^2/NDF: 708011.4/57

All: 1111.060+/-0.088 χ^2/NDF: 3392026.0/11

- sign 1114.114+/-0.126 χ^2/NDF: 2682848.9/59



Right In: -536.060+/-109.000 χ^2/NDF: 67.0/33

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

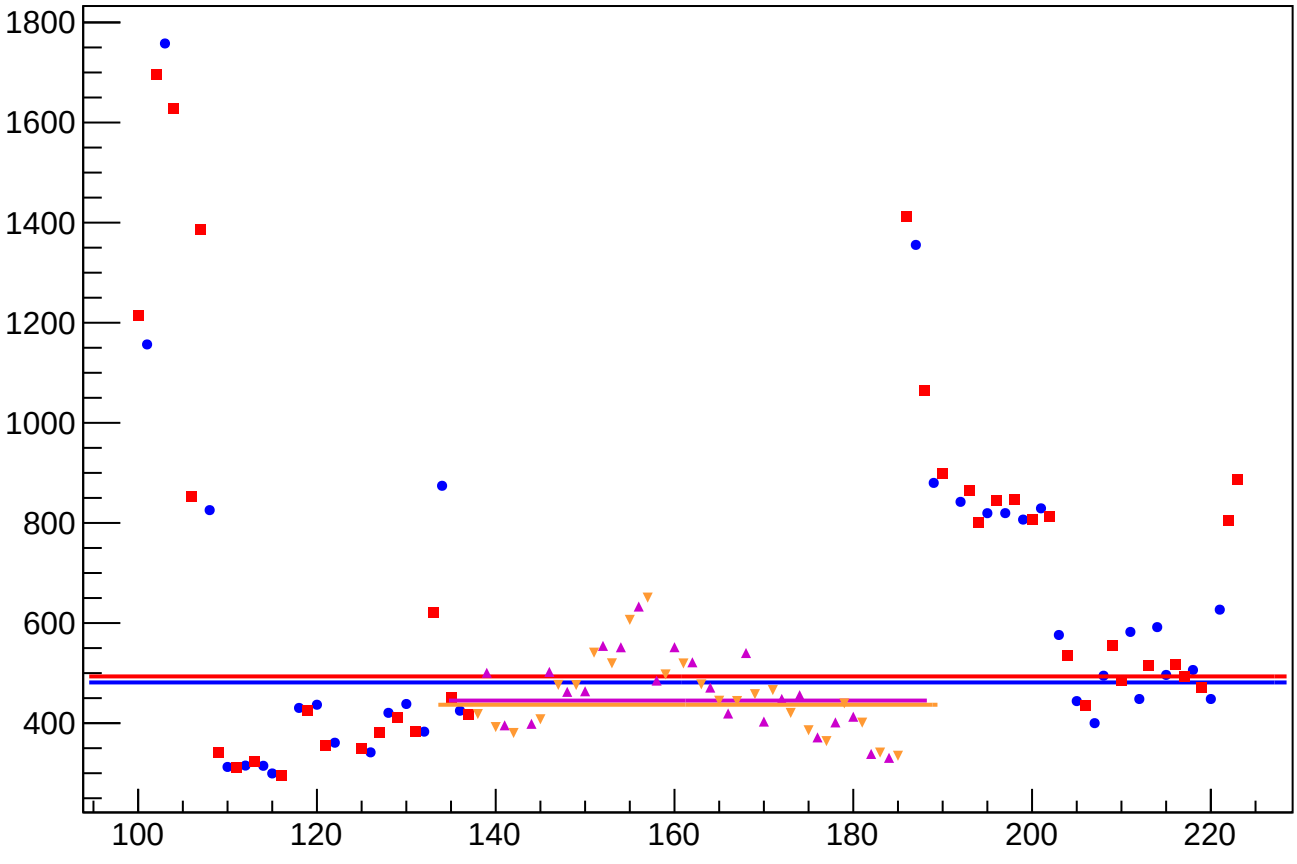
Right Out: -950.810+/-112.768 χ^2/NDF: 182.7/36

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -413.032+/-74.855 χ^2/NDF: 119.0/57

All: -420.864+/-53.676 χ^2/NDF: 369.6/117

- sign -429.154+/-77.010 χ^2/NDF: 250.7/59



Right In: 481.345+/-0.077 χ^2/NDF: 4633477.1/33

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 493.391+/-0.080 χ^2/NDF: 6217087.9/36

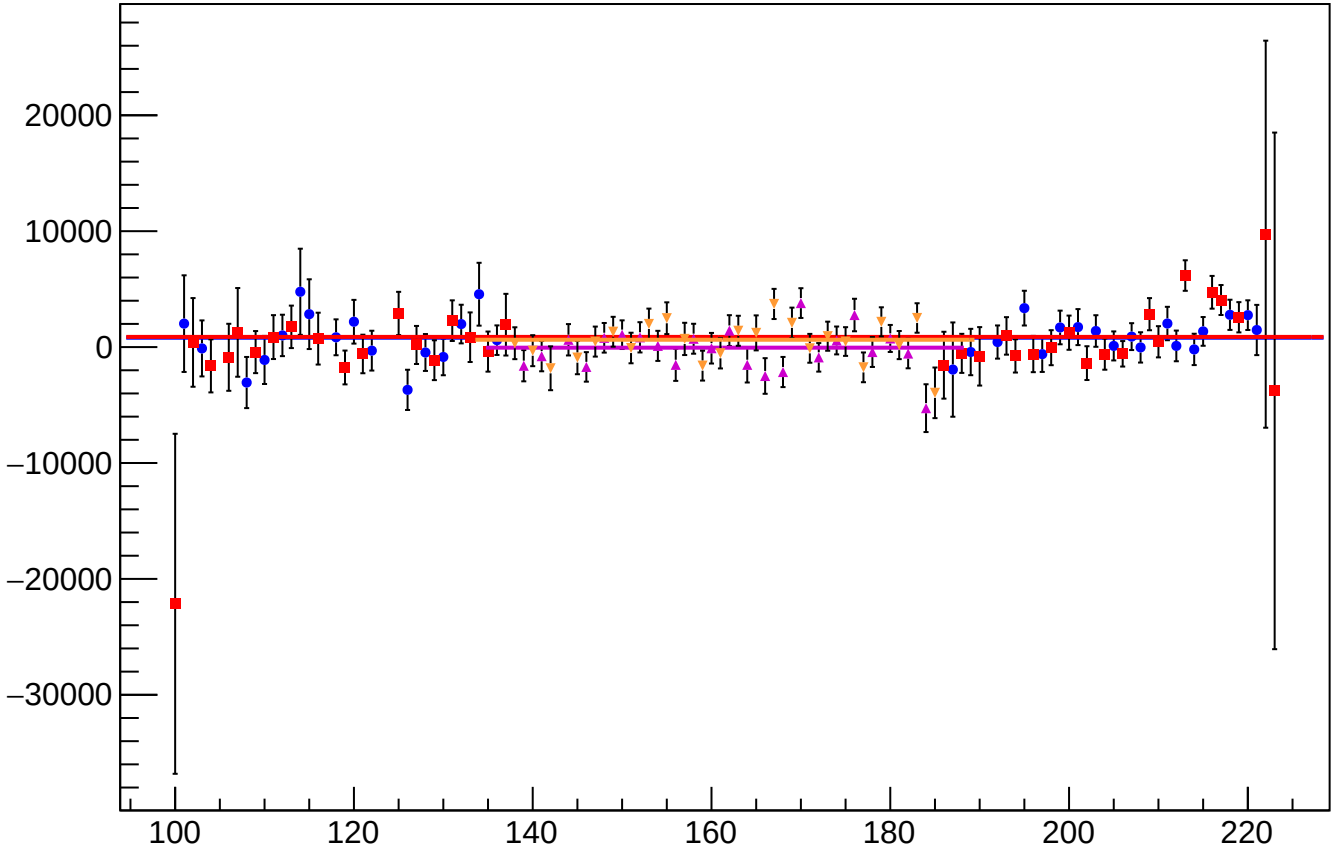
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 457.801+/-0.053 χ^2/NDF: 5665306.6/57

All: 462.574+/-0.038 χ^2/NDF: 12969349.7/11

- sign 467.625+/-0.054 χ^2/NDF: 7287306.8/59

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 809.456+/-275.594 χ^2/NDF: 30.4/33

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 879.079+/-284.280 χ^2/NDF: 56.6/36

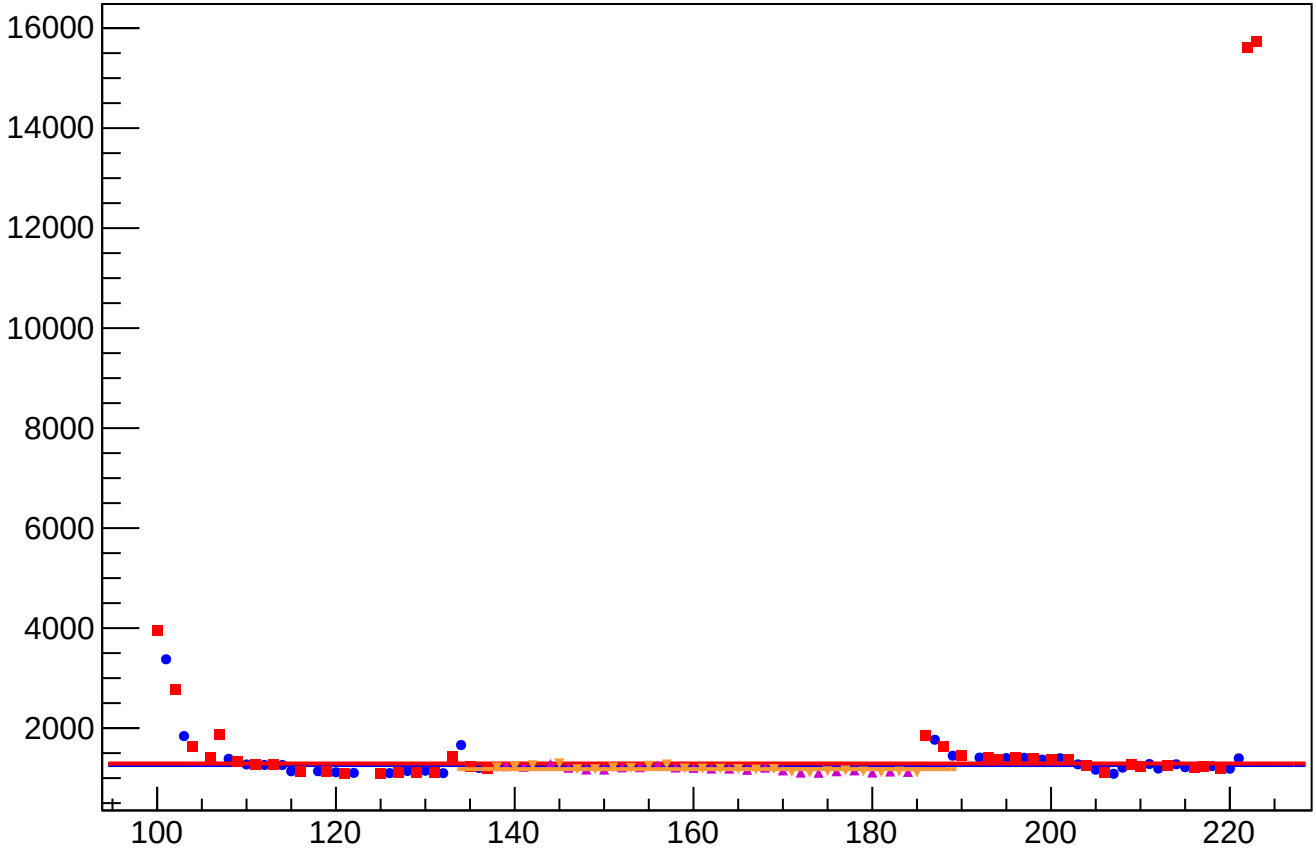
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

\+ sign 720.673+/-194.330 χ^2/NDF: 60.7/57

All: 563.782+/-138.727 χ^2/NDF: 159.1/117

\- sign 400.740+/-198.103 χ^2/NDF: 97.1/59

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1261.179+/-0.195 χ^2/NDF: 1002010.0/33

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

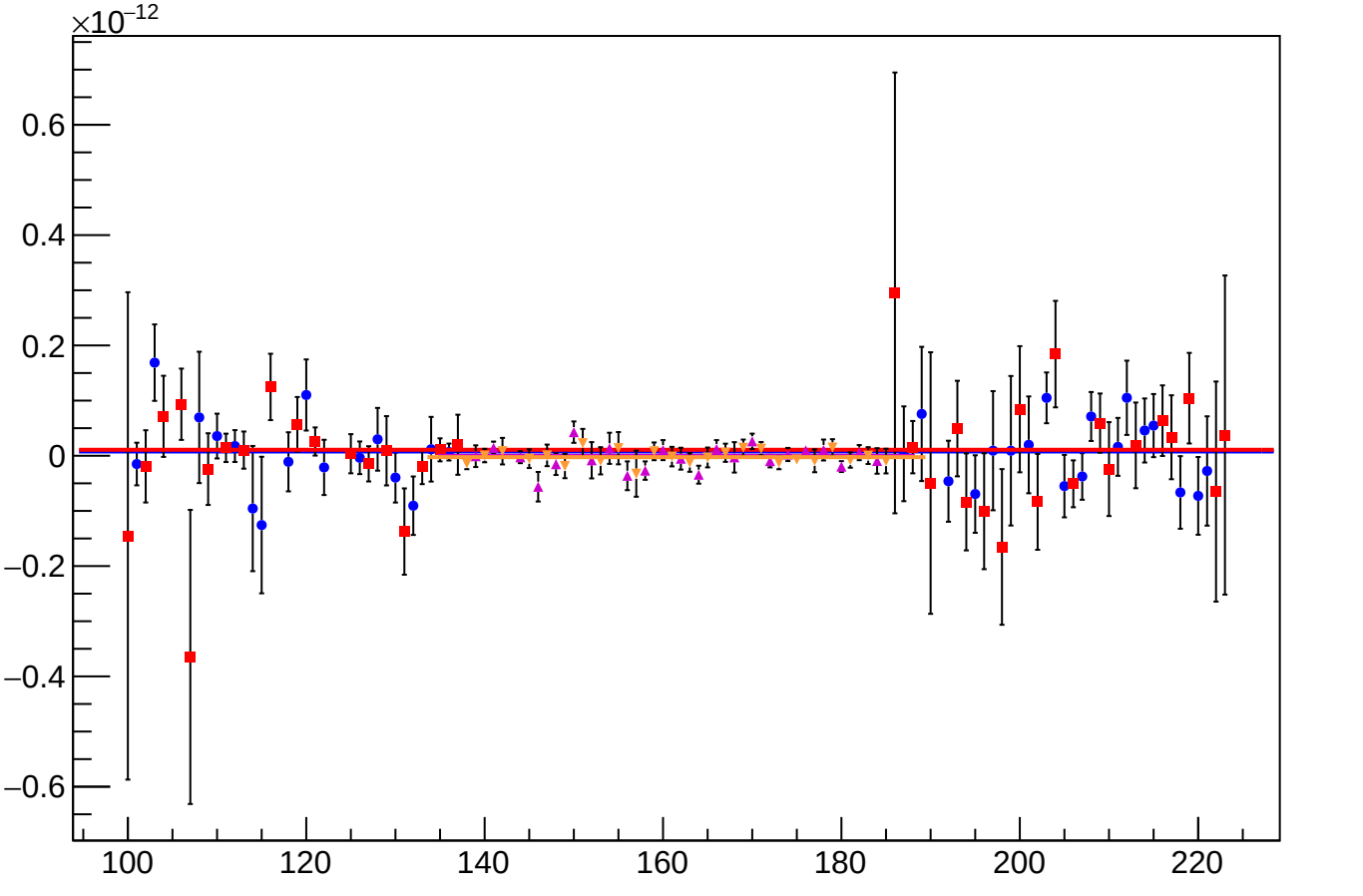
Right Out: 1292.310+/-0.201 χ^2/NDF: 3240343.3/36

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1220.219+/-0.137 χ^2/NDF: 1154545.7/57

All: 1227.728+/-0.098 χ^2/NDF: 4616436.7/11

- sign 1235.531+/-0.140 χ^2/NDF: 3455801.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 33.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

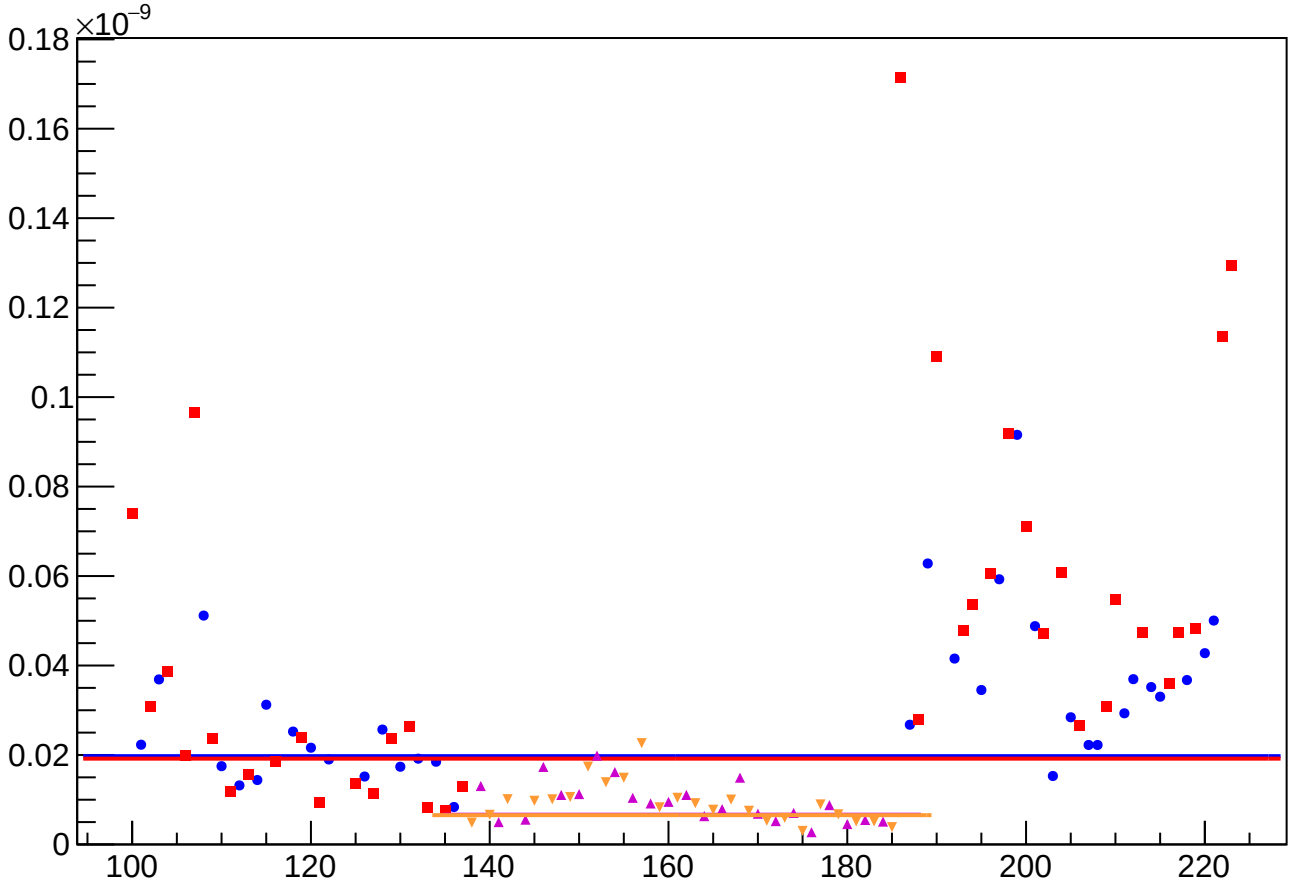
Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/36

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.2/57

All: -0.000+/-0.000 χ^2/NDF: 109.4/117

- sign 0.000+/-0.000 χ^2/NDF: 63.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 4239488.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

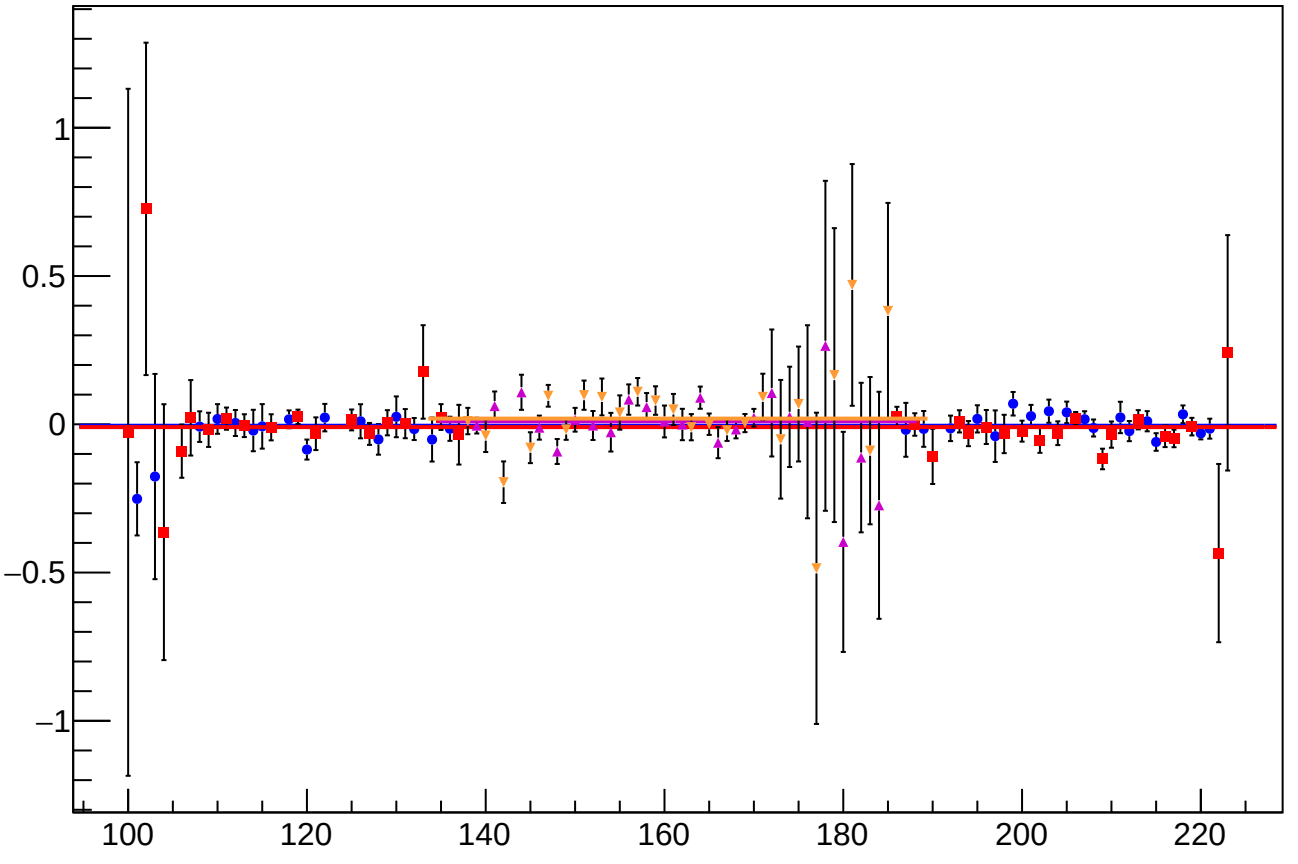
Right Out: 0.000+/-0.000 χ^2/NDF: 7194243.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11211328.7/57

All: 0.000+/-0.000 χ^2/NDF: 24927658.9/117

- sign 0.000+/-0.000 χ^2/NDF: 13716326.6/59



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.010+/-0.007 χ^2/NDF: 30.9/36

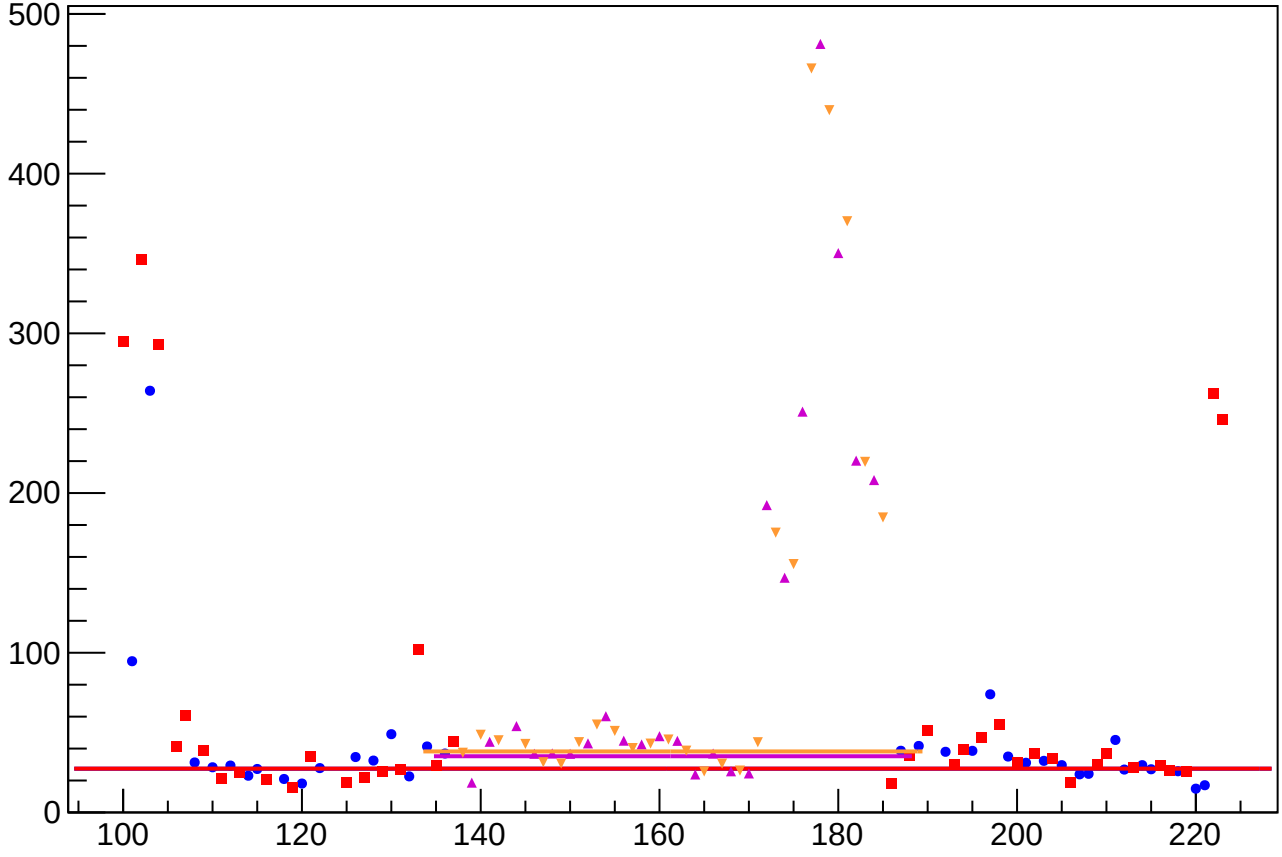
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.002+/-0.006 χ^2/NDF: 68.2/57

All: -0.001+/-0.004 χ^2/NDF: 125.7/117

- sign -0.003+/-0.006 χ^2/NDF: 57.1/59

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.376+/-0.005 χ^2/NDF: 4586311.4/33

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

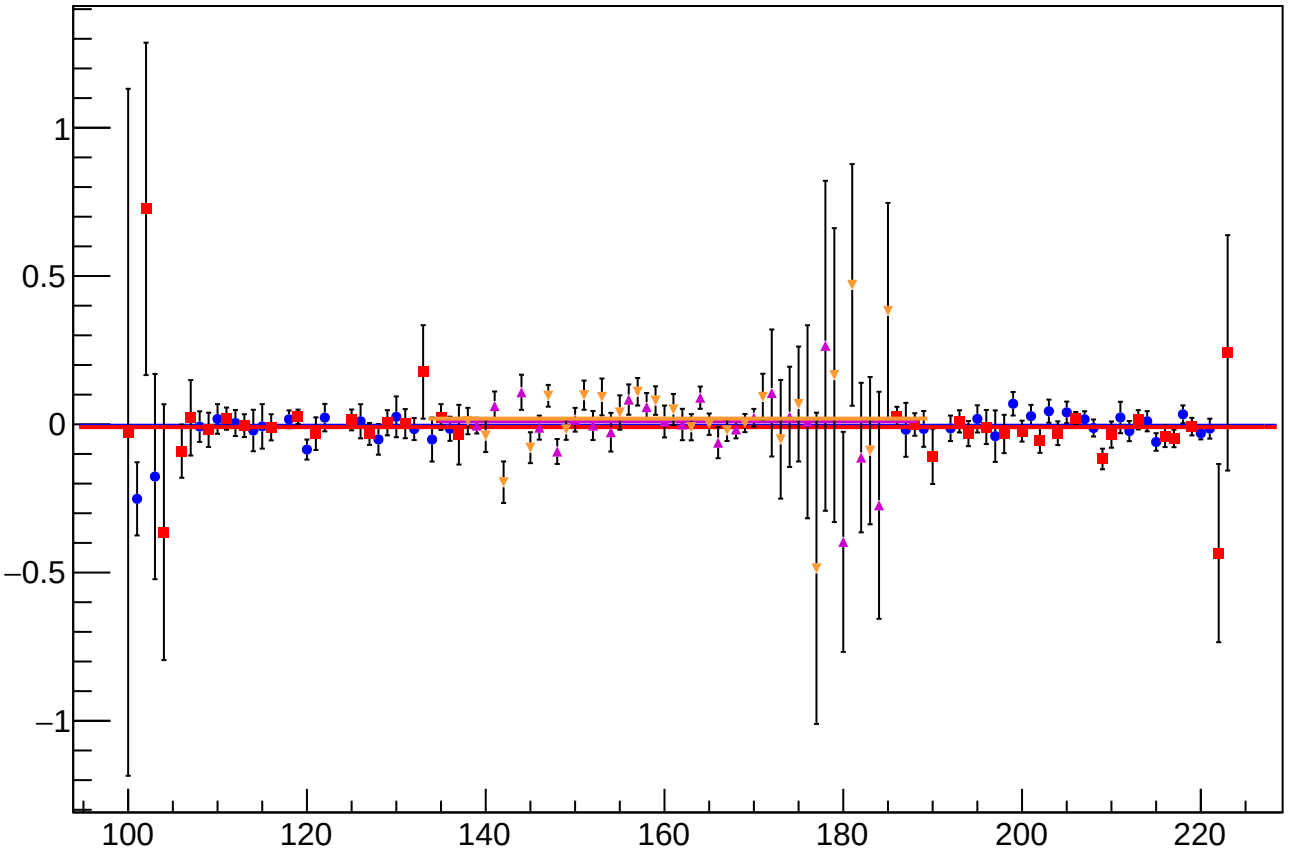
Right Out: 27.436+/-0.005 χ^2/NDF: 6666332.7/36

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 30.508+/-0.004 χ^2/NDF: 14300471.0/57

All: 30.190+/-0.003 χ^2/NDF: 31152907.5/117

- sign 29.879+/-0.004 χ^2/NDF: 16840600.8/59



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

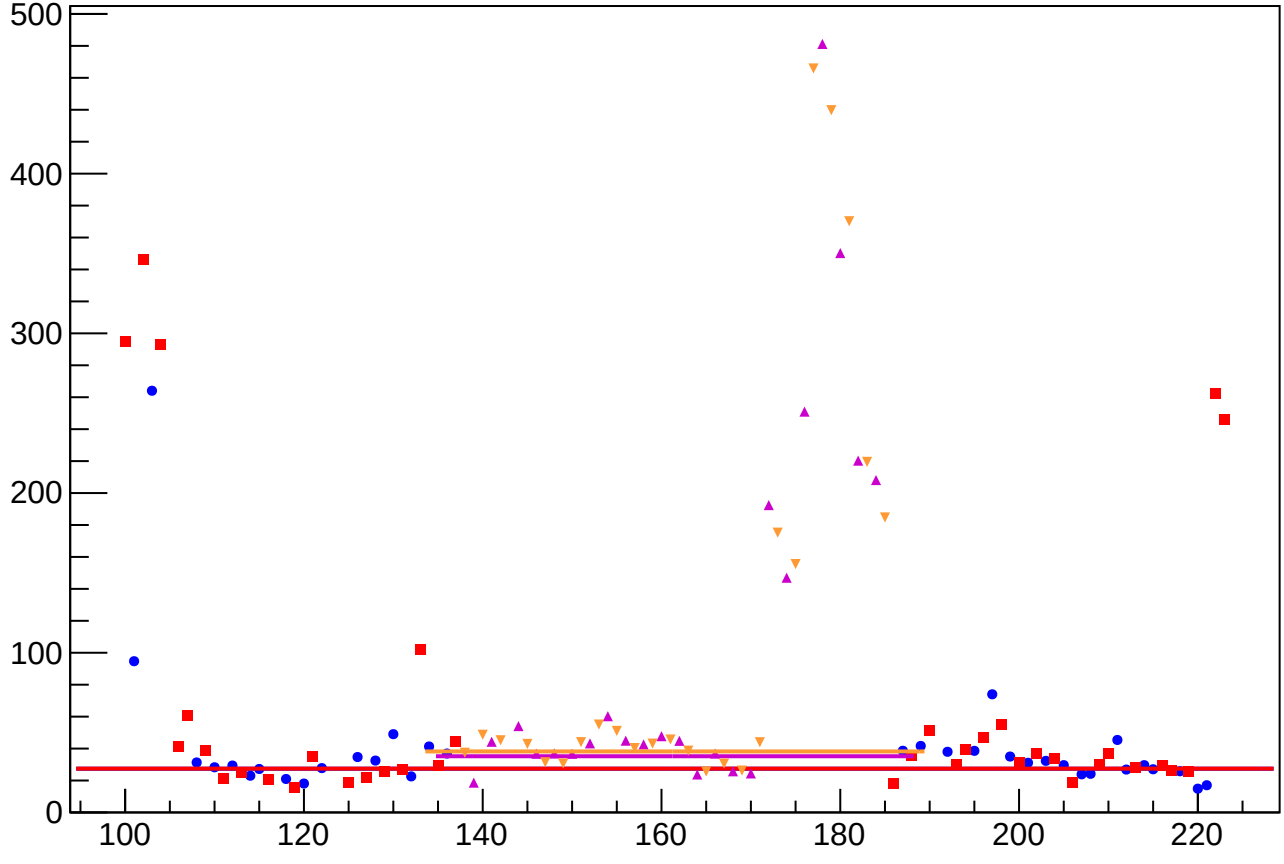
Right Out: -0.010+/-0.007 χ^2/NDF: 30.9/36

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.002+/-0.006 χ^2/NDF: 68.2/57

All: -0.001+/-0.004 χ^2/NDF: 125.7/117

- sign -0.003+/-0.006 χ^2/NDF: 57.1/59



Right In: 27.376+/-0.005 χ^2/NDF: 4586311.4/33

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

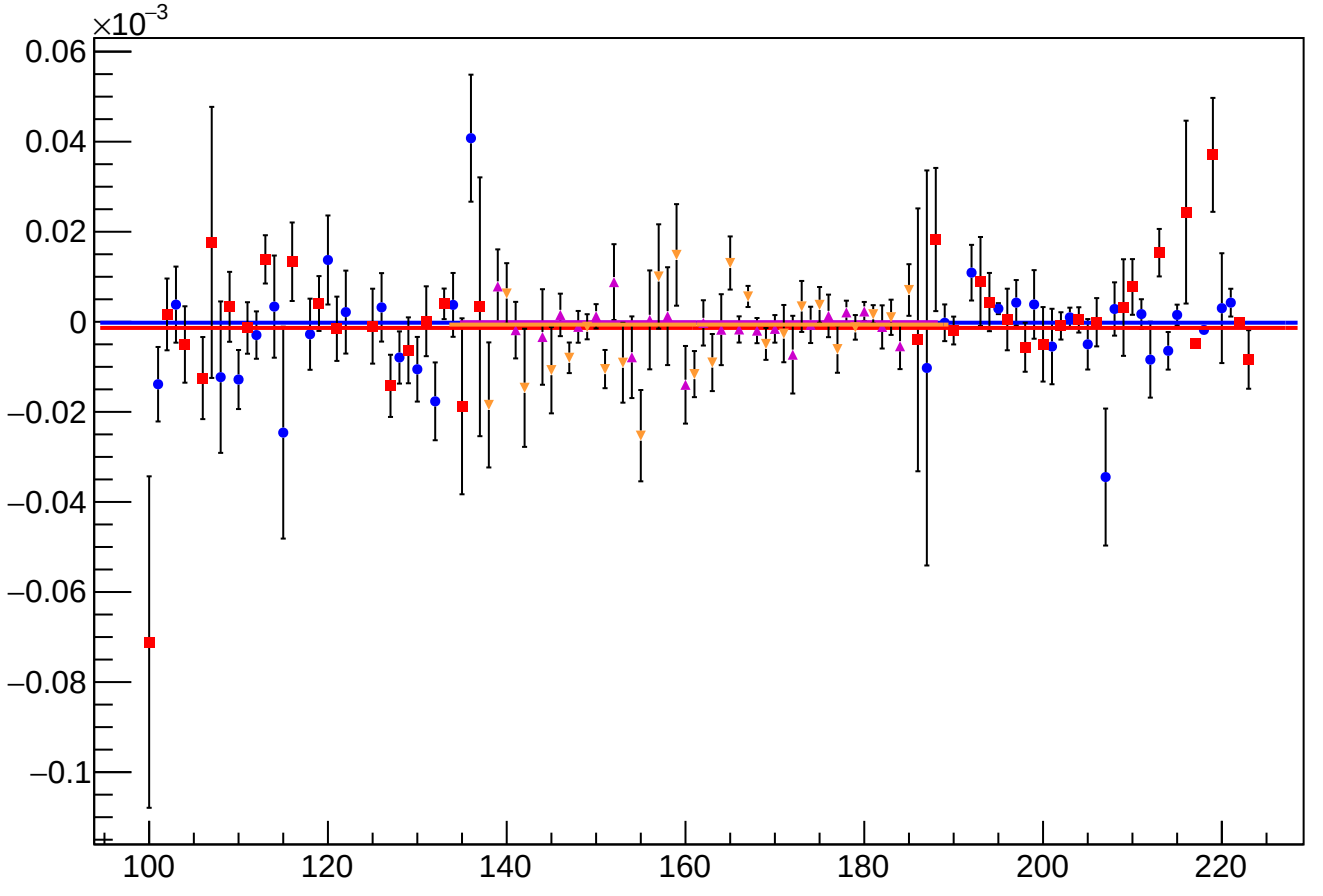
Right Out: 27.436+/-0.005 χ^2/NDF: 6666332.7/36

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 30.508+/-0.004 χ^2/NDF: 14300471.0/57

All: 30.190+/-0.003 χ^2/NDF: 31152907.5/117

- sign 29.879+/-0.004 χ^2/NDF: 16840600.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 55.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

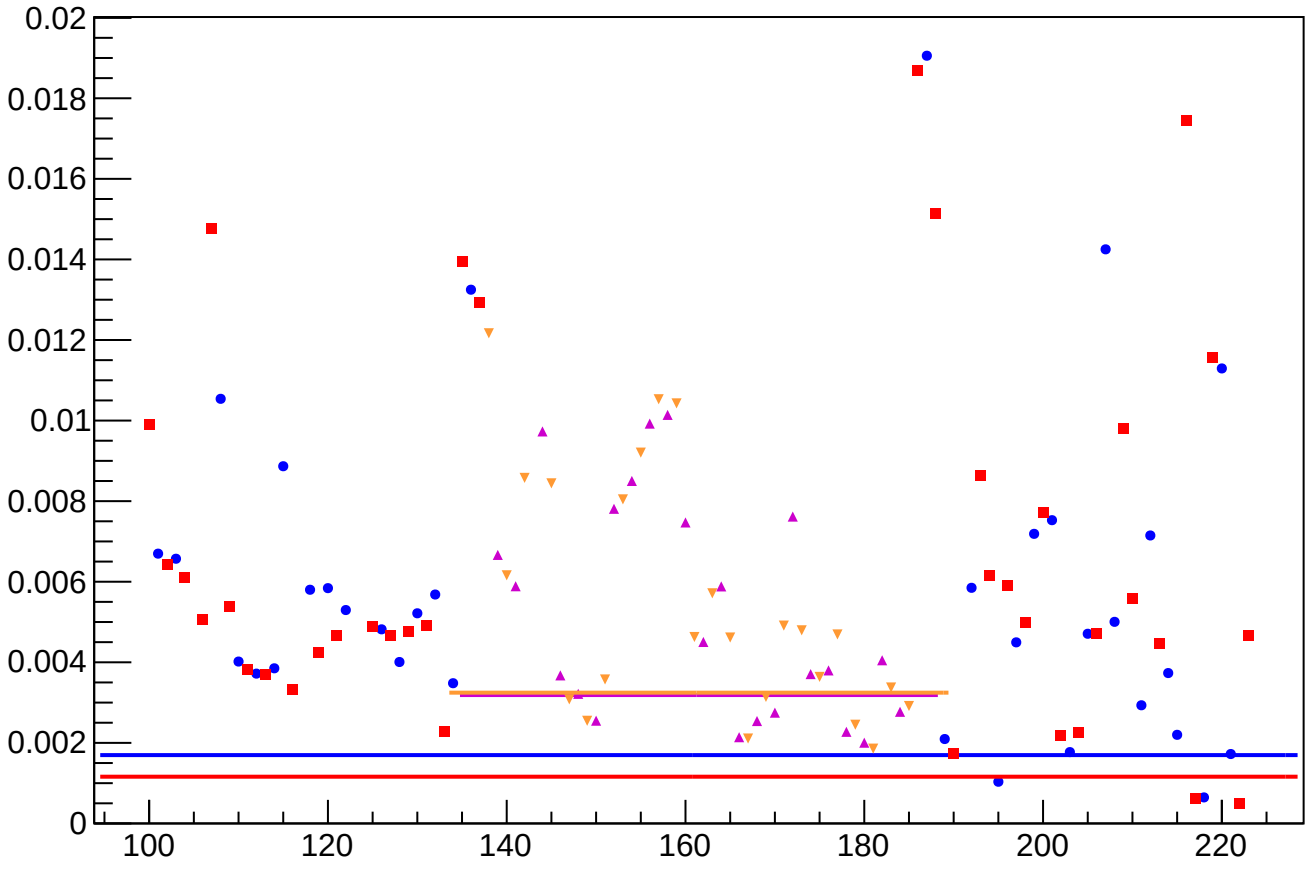
Right Out: -0.000+/-0.000 χ^2/NDF: 75.6/36

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 106.7/57

All: -0.000+/-0.000 χ^2/NDF: 196.6/117

- sign -0.000+/-0.000 χ^2/NDF: 88.3/59



Right In: 0.002+/-0.000 χ^2/NDF: 20158832.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

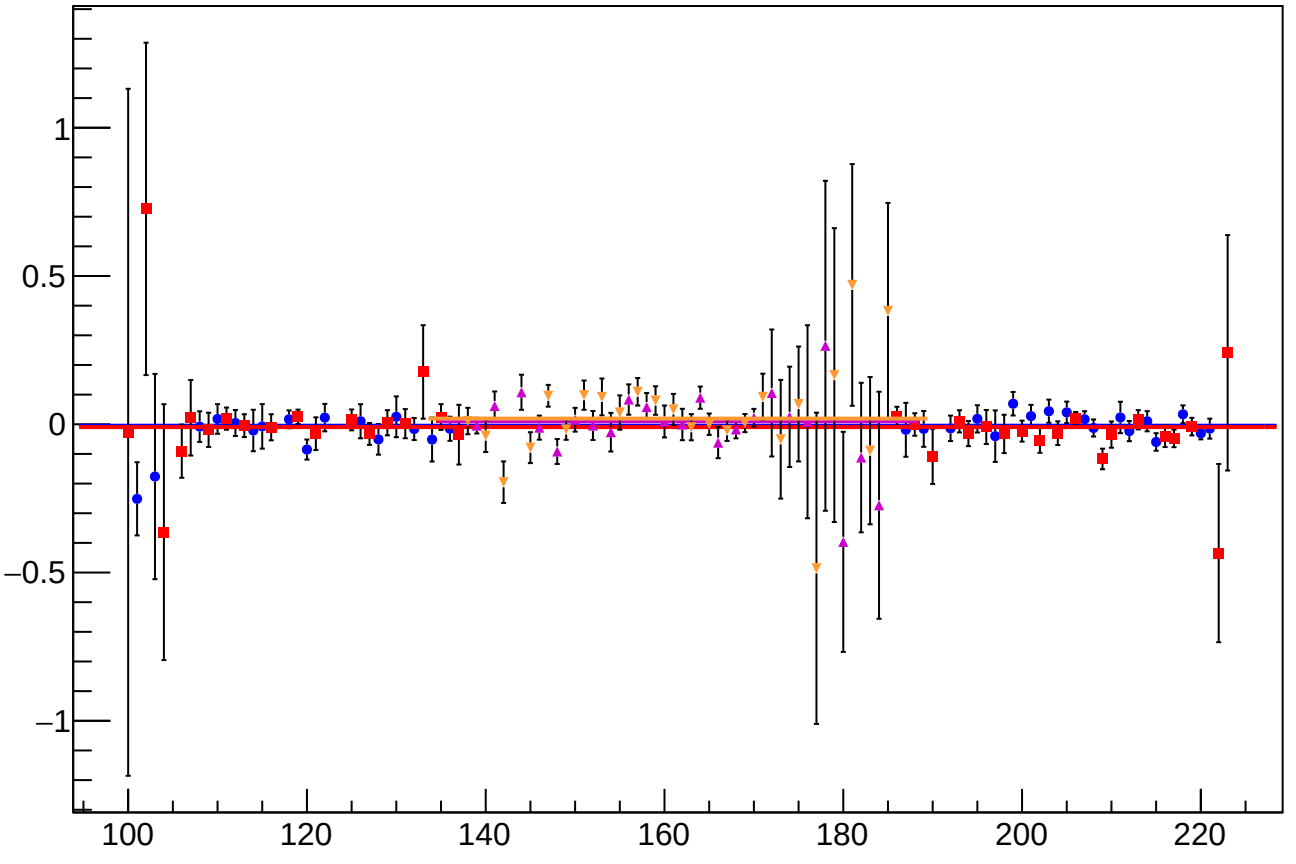
Right Out: 0.001+/-0.000 χ^2/NDF: 27155861.4/36

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 32453409.2/57

All: 0.002+/-0.000 χ^2/NDF: 77367041.1/117

- sign 0.002+/-0.000 χ^2/NDF: 43231204.0/59



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

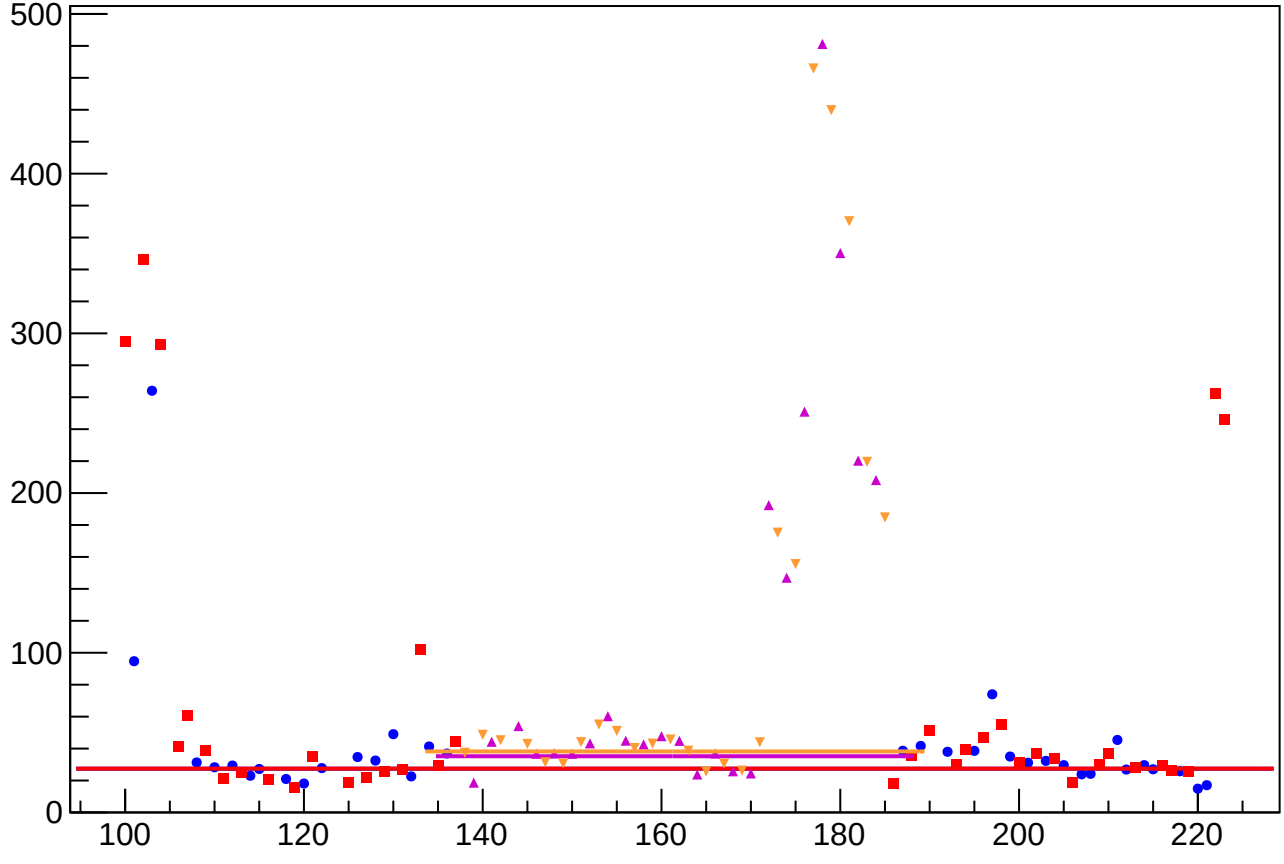
Right Out: -0.010+/-0.007 χ^2/NDF: 30.9/36

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.002+/-0.006 χ^2/NDF: 68.2/57

All: -0.001+/-0.004 χ^2/NDF: 125.7/117

- sign -0.003+/-0.006 χ^2/NDF: 57.1/59



Right In: 27.378+/-0.005 χ^2/NDF: 4584802.4/33

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

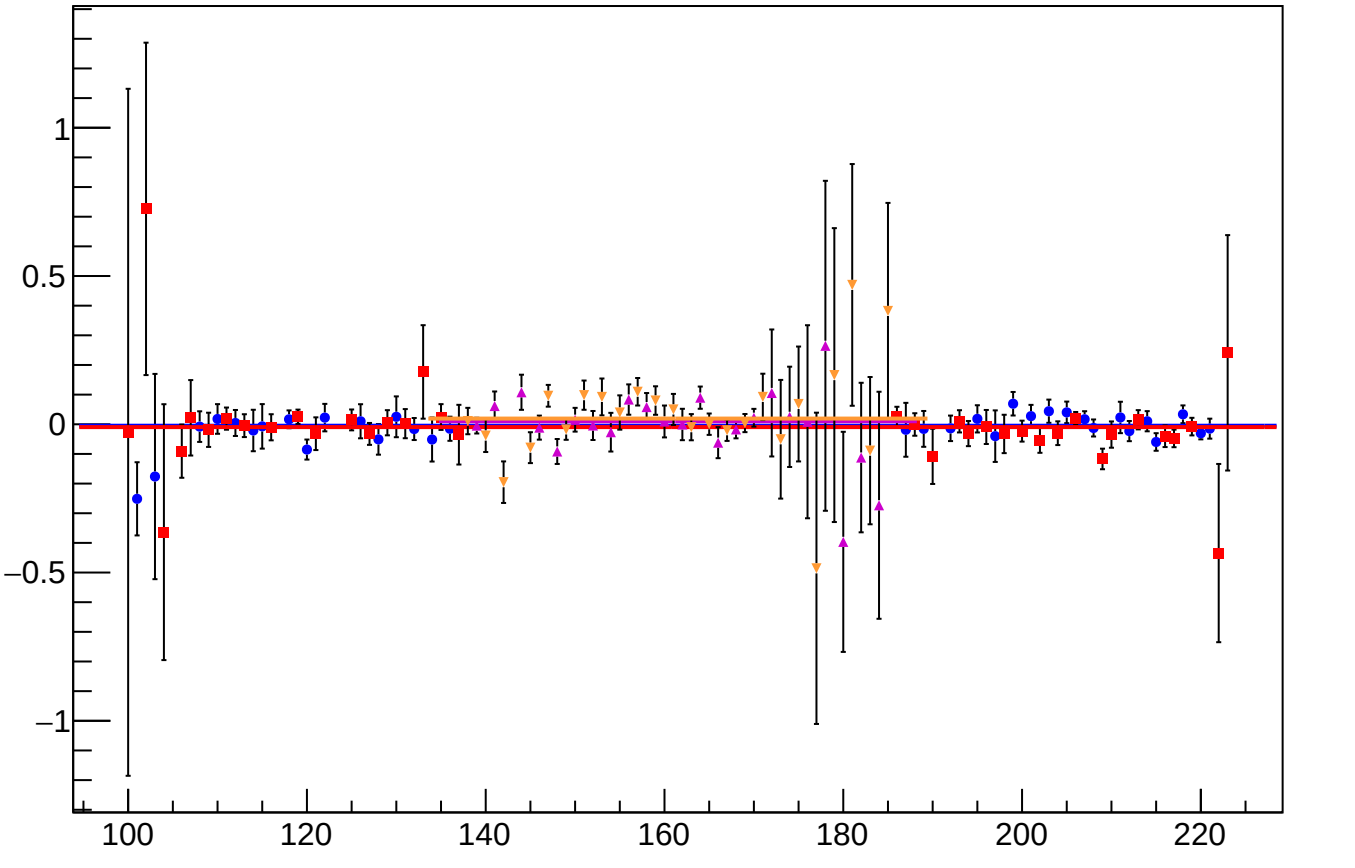
Right Out: 27.435+/-0.005 χ^2/NDF: 6666583.0/36

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 30.509+/-0.004 χ^2/NDF: 14298549.6/57

All: 30.190+/-0.003 χ^2/NDF: 31151978.6/117

- sign 29.877+/-0.004 χ^2/NDF: 16841501.6/59



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

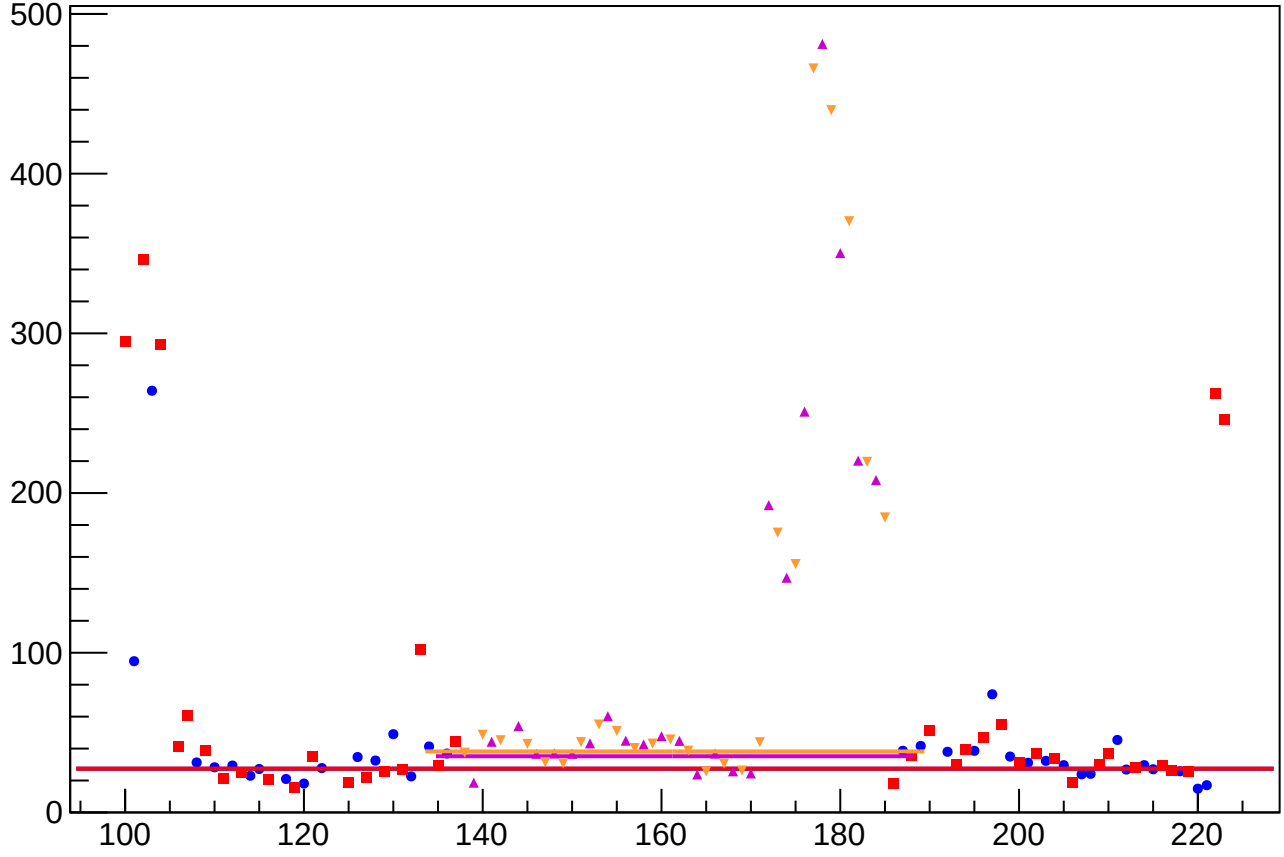
Right Out: -0.010+/-0.007 χ^2/NDF: 30.9/36

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.002+/-0.006 χ^2/NDF: 68.2/57

All: -0.001+/-0.004 χ^2/NDF: 125.7/117

- sign -0.003+/-0.006 χ^2/NDF: 57.1/59



Right In: 27.378+/-0.005 χ^2/NDF: 4584802.4/33

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

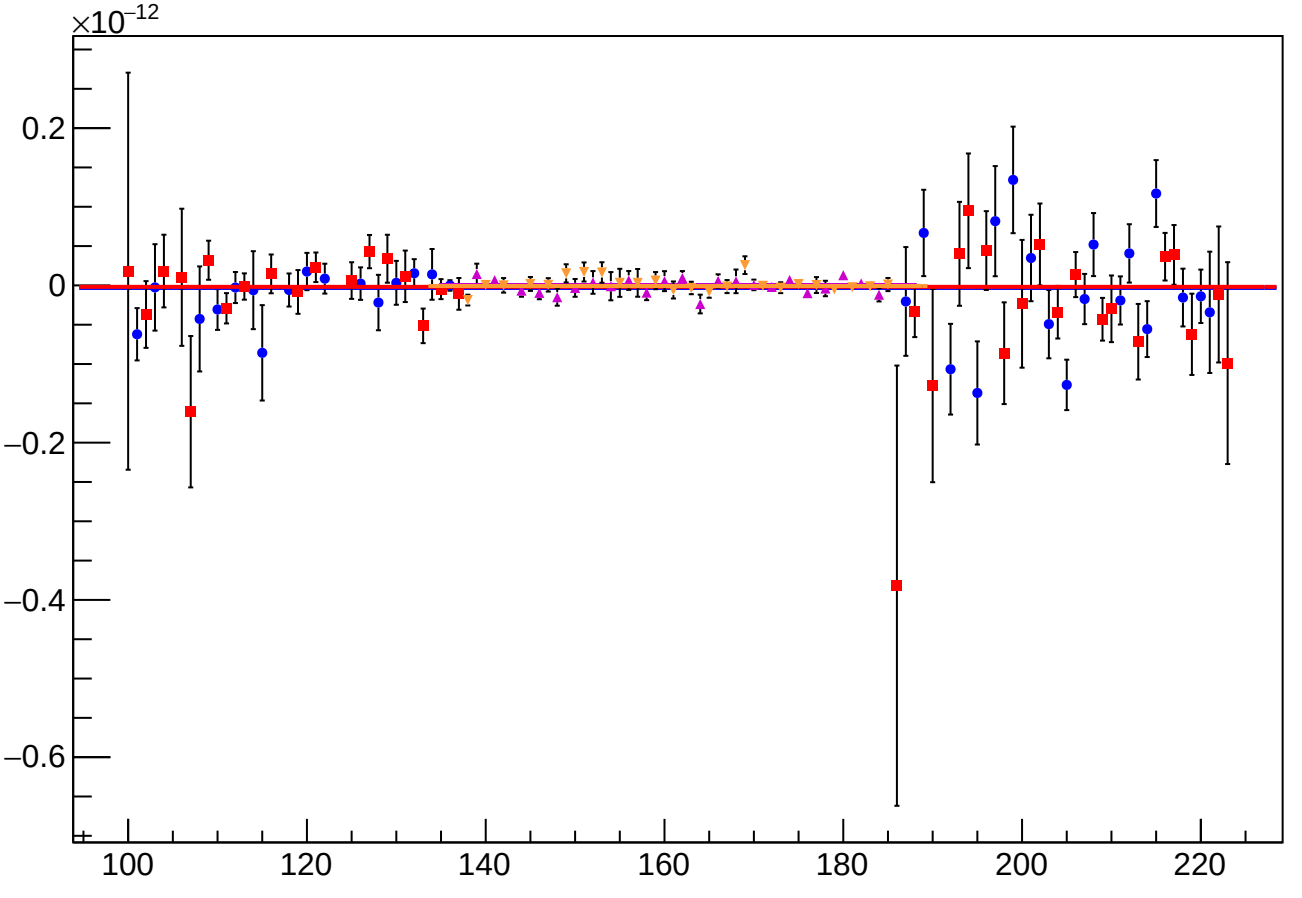
Right Out: 27.435+/-0.005 χ^2/NDF: 6666583.0/36

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 30.509+/-0.004 χ^2/NDF: 14298549.6/57

All: 30.190+/-0.003 χ^2/NDF: 31151978.6/117

- sign 29.877+/-0.004 χ^2/NDF: 16841501.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 54.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

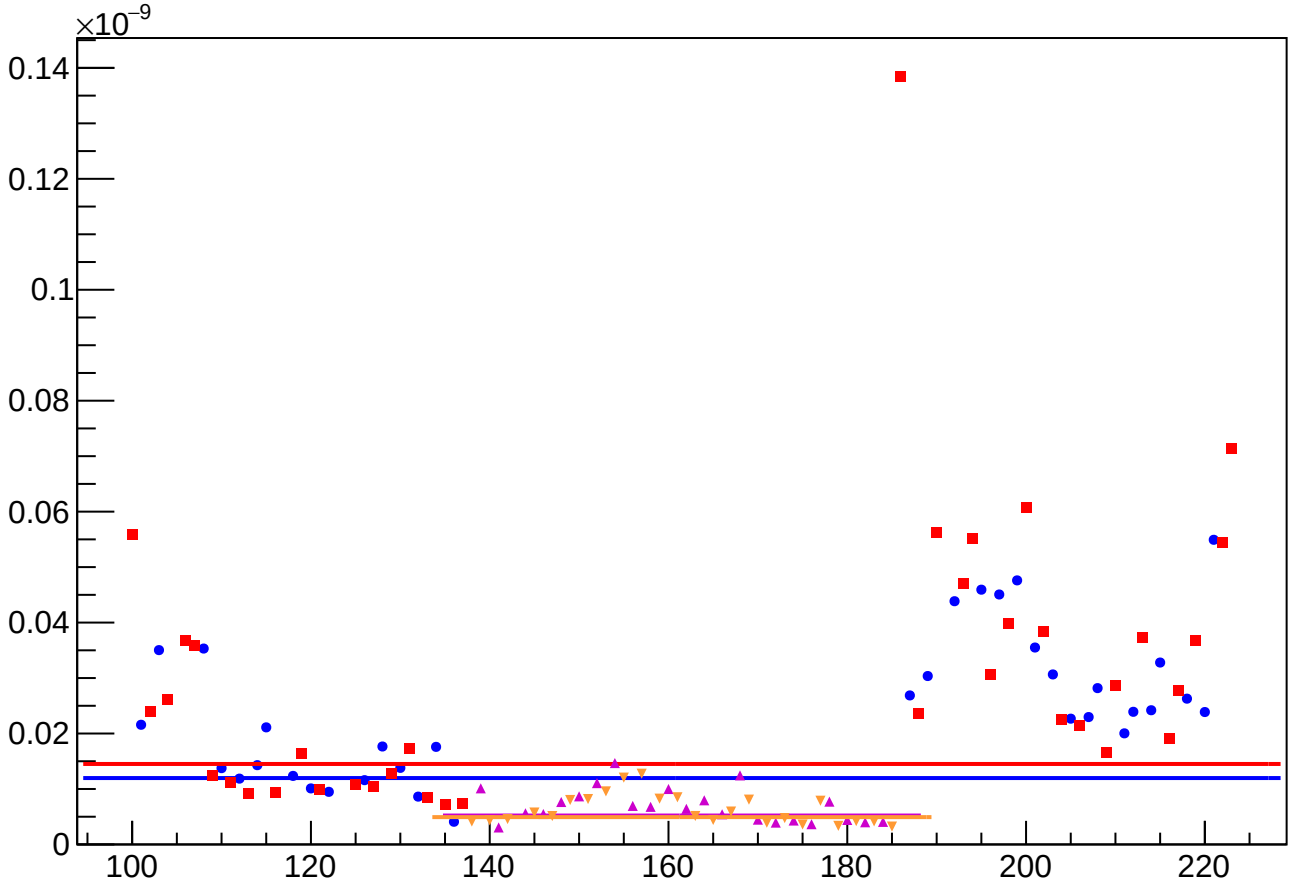
Right Out: -0.000+/-0.000 χ^2/NDF: 41.6/36

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.3/57

All: -0.000+/-0.000 χ^2/NDF: 144.8/117

- sign 0.000+/-0.000 χ^2/NDF: 68.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 10051125.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8064464.8/36

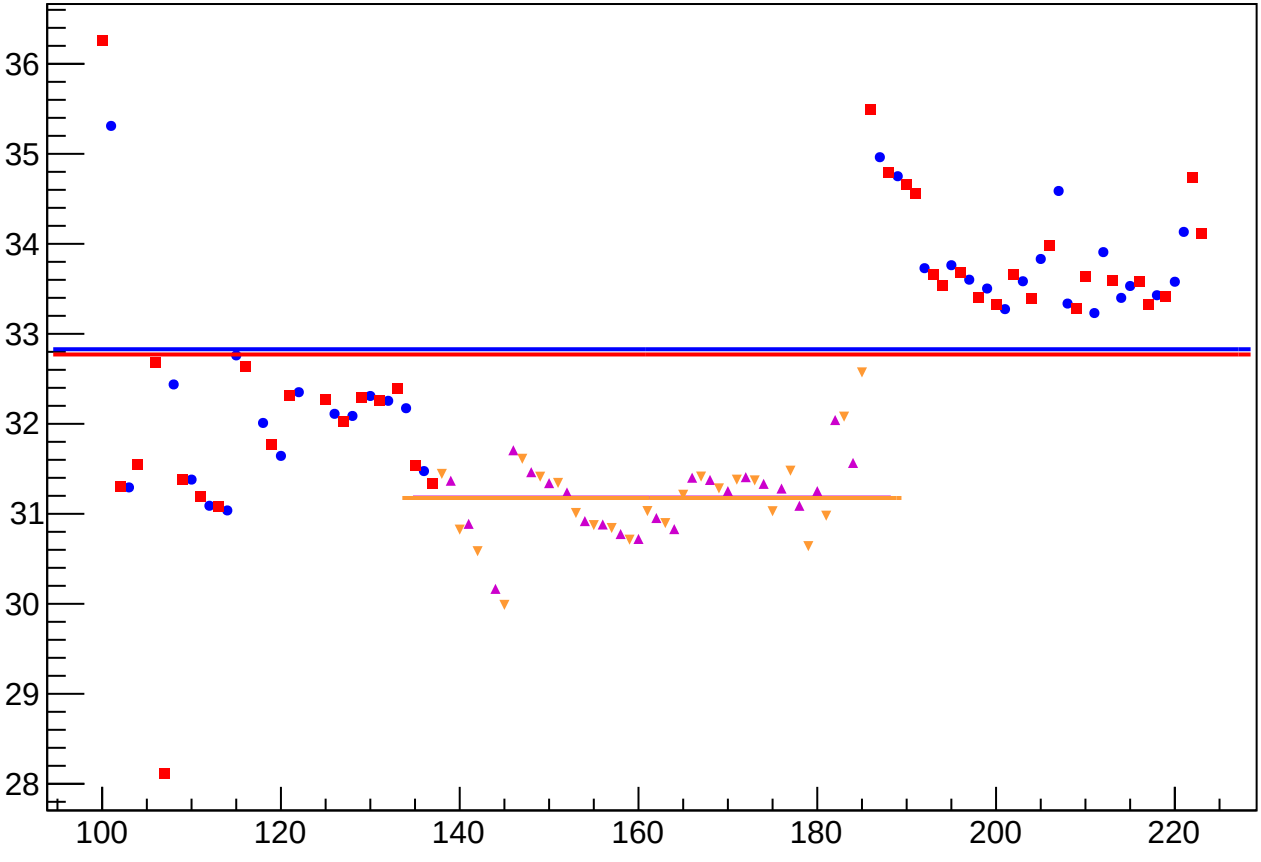
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17379809.2/57

All: 0.000+/-0.000 χ^2/NDF: 35348040.2/117

- sign 0.000+/-0.000 χ^2/NDF: 17901476.7/59

yield_usl_mean vs Slug



Right In: 32.829+/-0.000 χ^2/NDF: 2822282644.5/33

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.771+/-0.000 χ^2/NDF: 2892000414.2/37

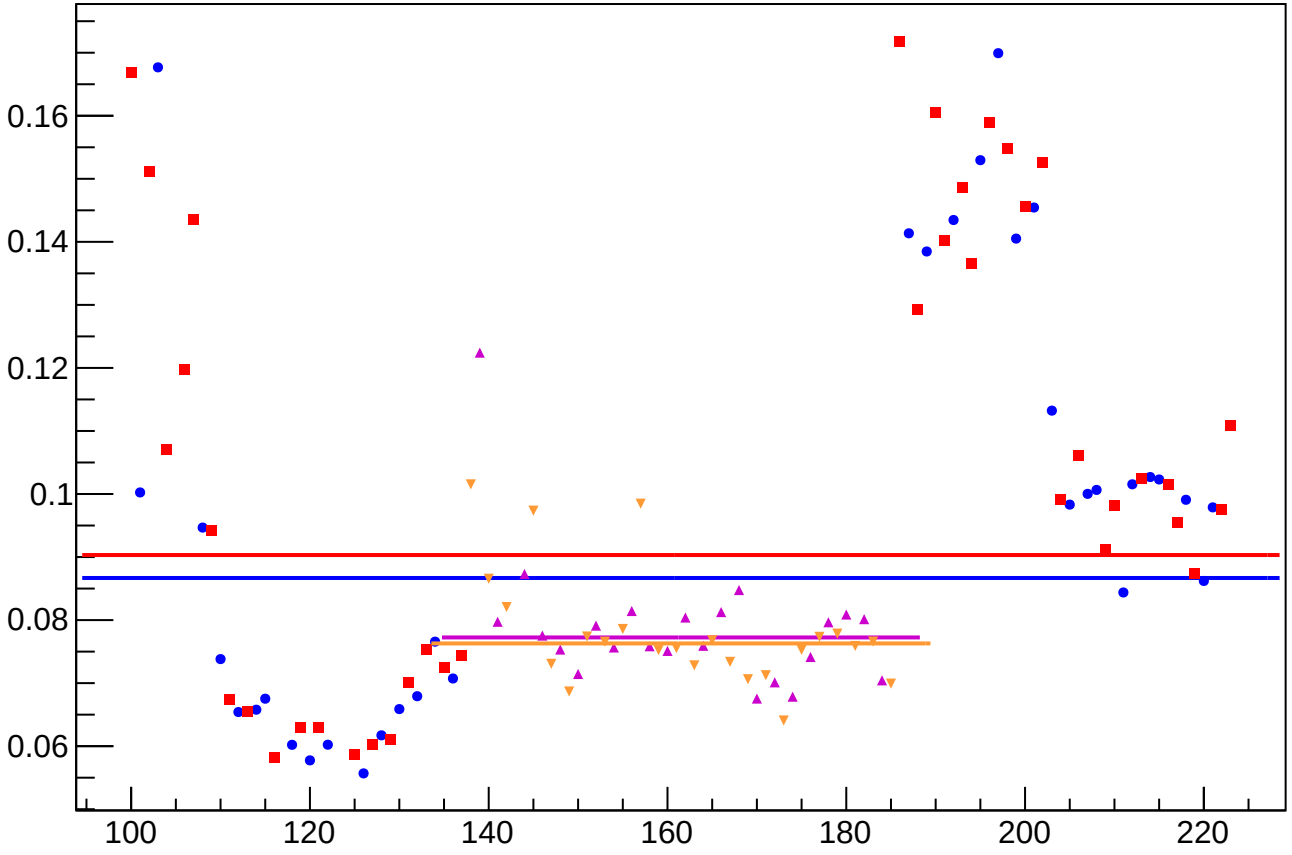
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.951+/-0.000 χ^2/NDF: 7039340387.2/57

All: 31.935+/-0.000 χ^2/NDF: 13558186884.4

- sign 31.918+/-0.000 χ^2/NDF: 6516038347.3/60

yield_usl_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 3652651.0/33

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

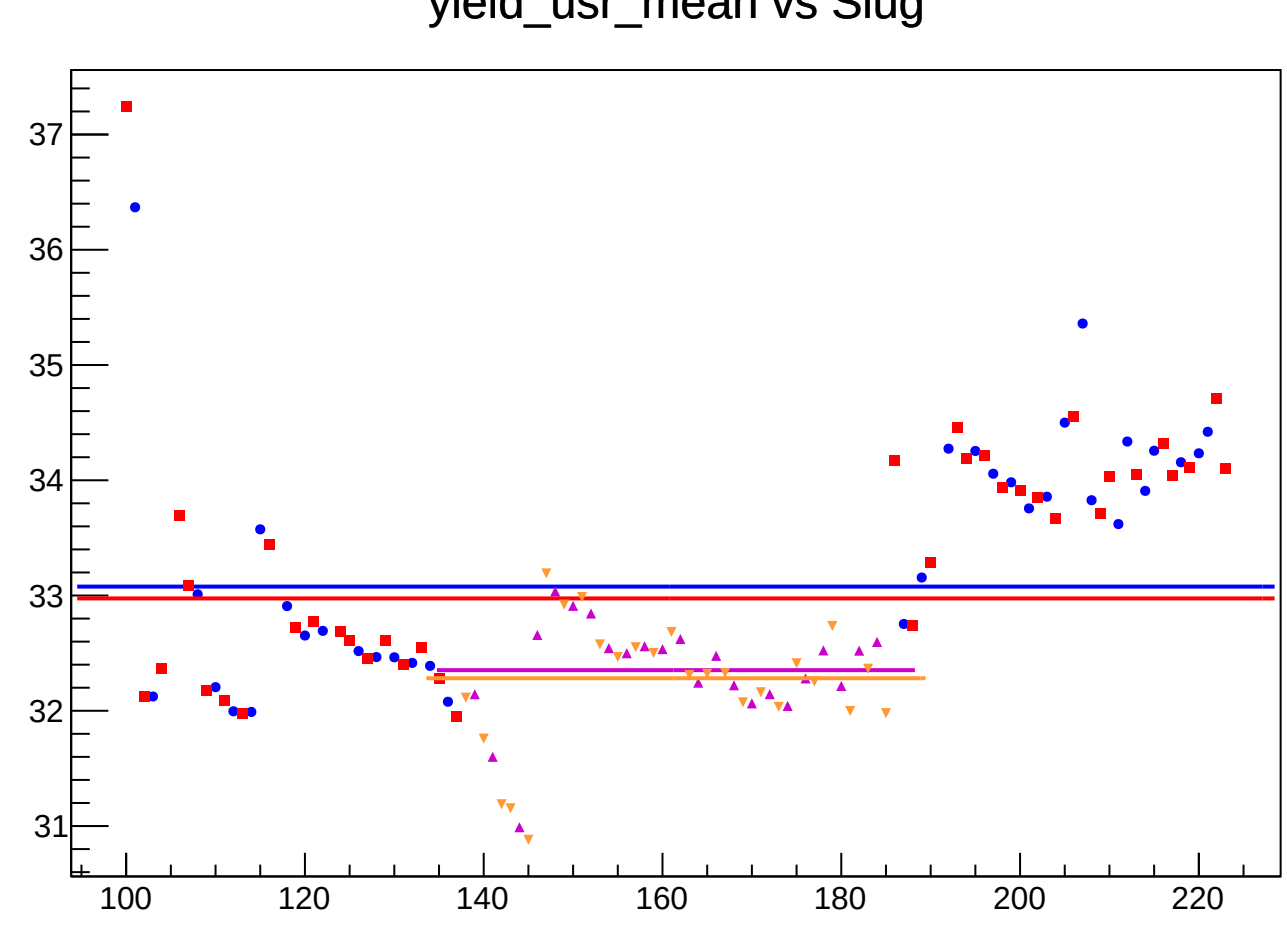
Right Out: 0.090+/-0.000 χ^2/NDF: 4061136.5/37

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.081+/-0.000 χ^2/NDF: 4300414.3/57

All: 0.082+/-0.000 χ^2/NDF: 9190437.7/118

- sign 0.083+/-0.000 χ^2/NDF: 4865652.5/60



Right In: 33.077+/-0.000 χ^2/NDF: 1395144899.8/33

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.975+/-0.000 χ^2/NDF: 874630846.0/37

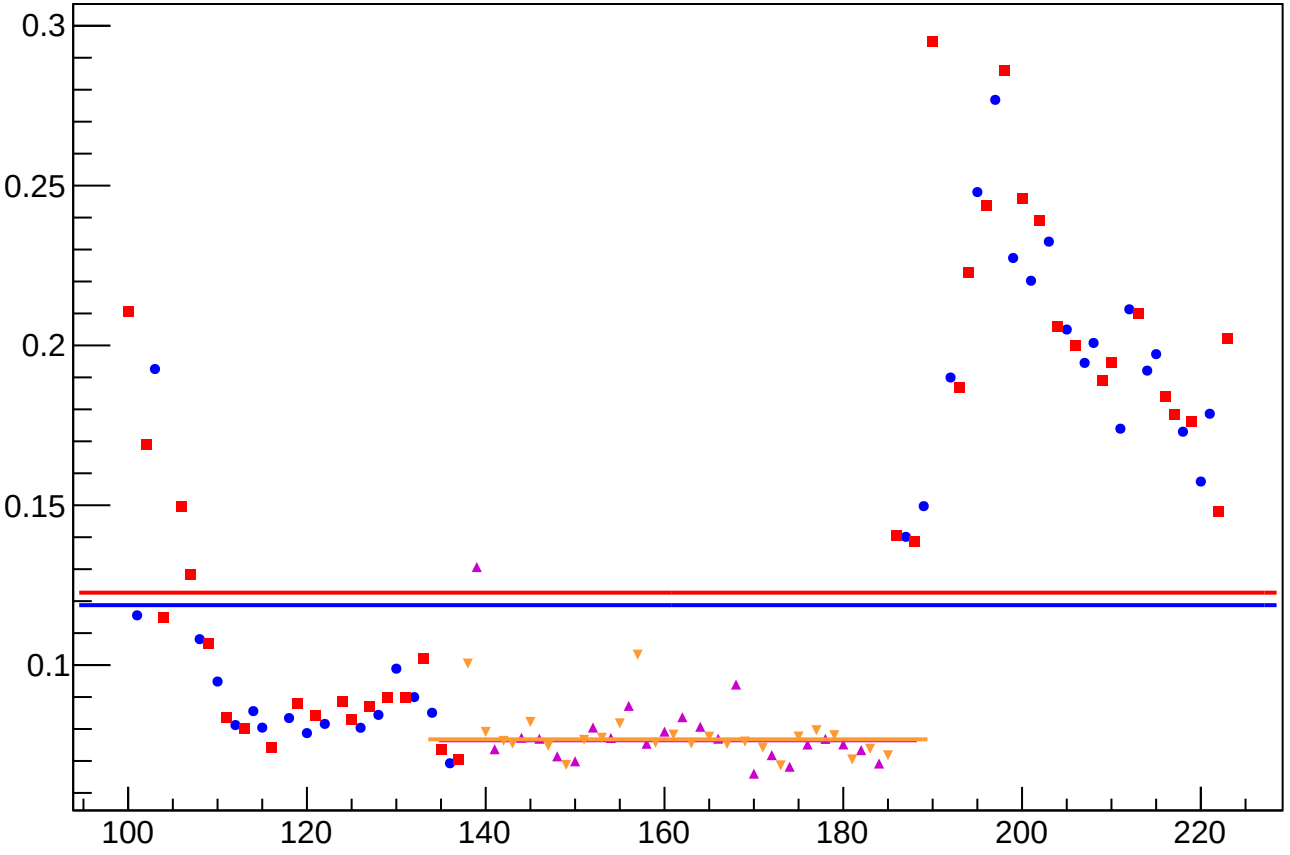
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.512+/-0.000 χ^2/NDF: 2780906027.5/58

All: 32.523+/-0.000 χ^2/NDF: 4571628954.0/1

- sign 32.534+/-0.000 χ^2/NDF: 1789685655.1/60

yield_usr_rms vs Slug



Right In: 0.119+/-0.000 χ^2/NDF: 7073887.1/33

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.123+/-0.000 χ^2/NDF: 6789185.2/37

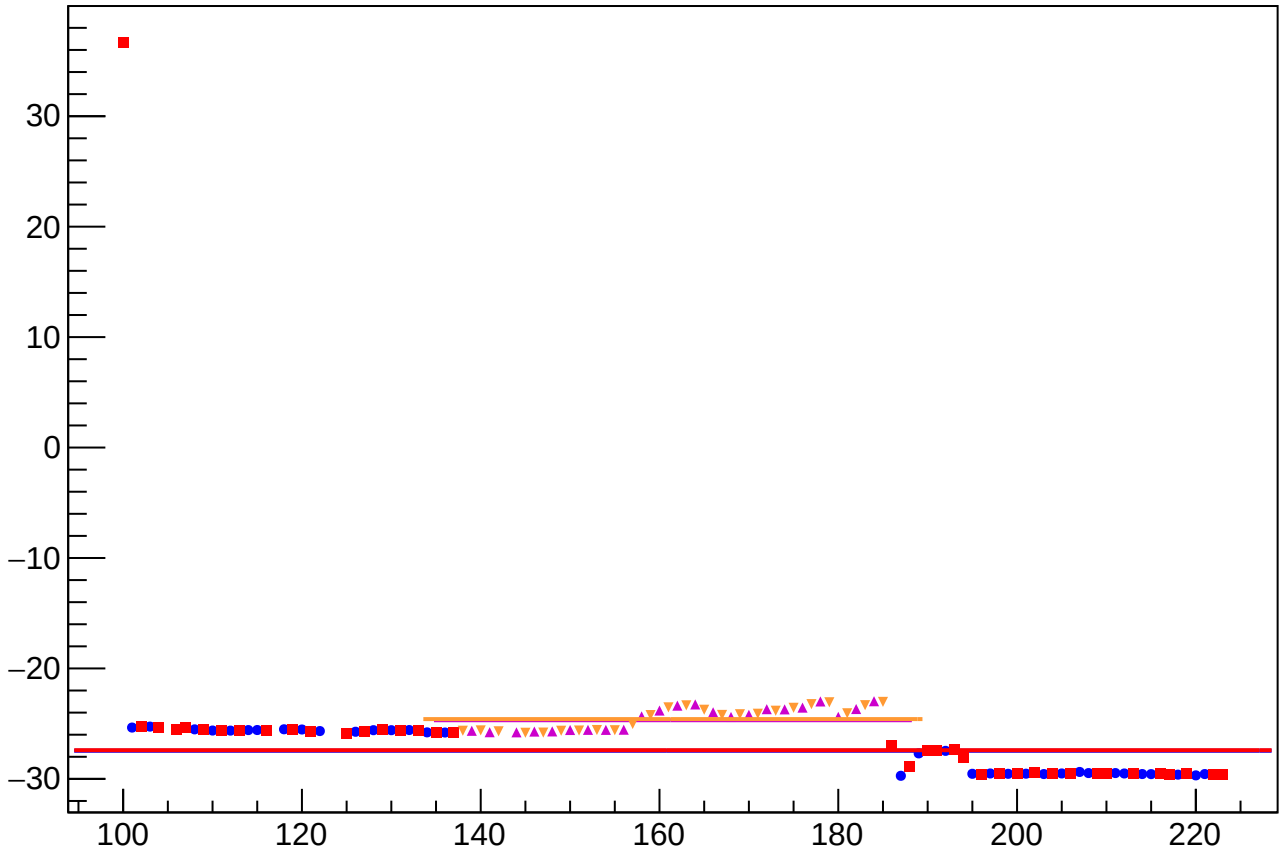
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.089+/-0.000 χ^2/NDF: 10372668.9/58

All: 0.089+/-0.000 χ^2/NDF: 21230499.2/119

- sign 0.090+/-0.000 χ^2/NDF: 10853114.5/60

yield_dsl_mean vs Slug



Right In: -27.453+/-0.000 χ^2/NDF: 30525961704.8/33

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.404+/-0.000 χ^2/NDF: 39090566226.7/37

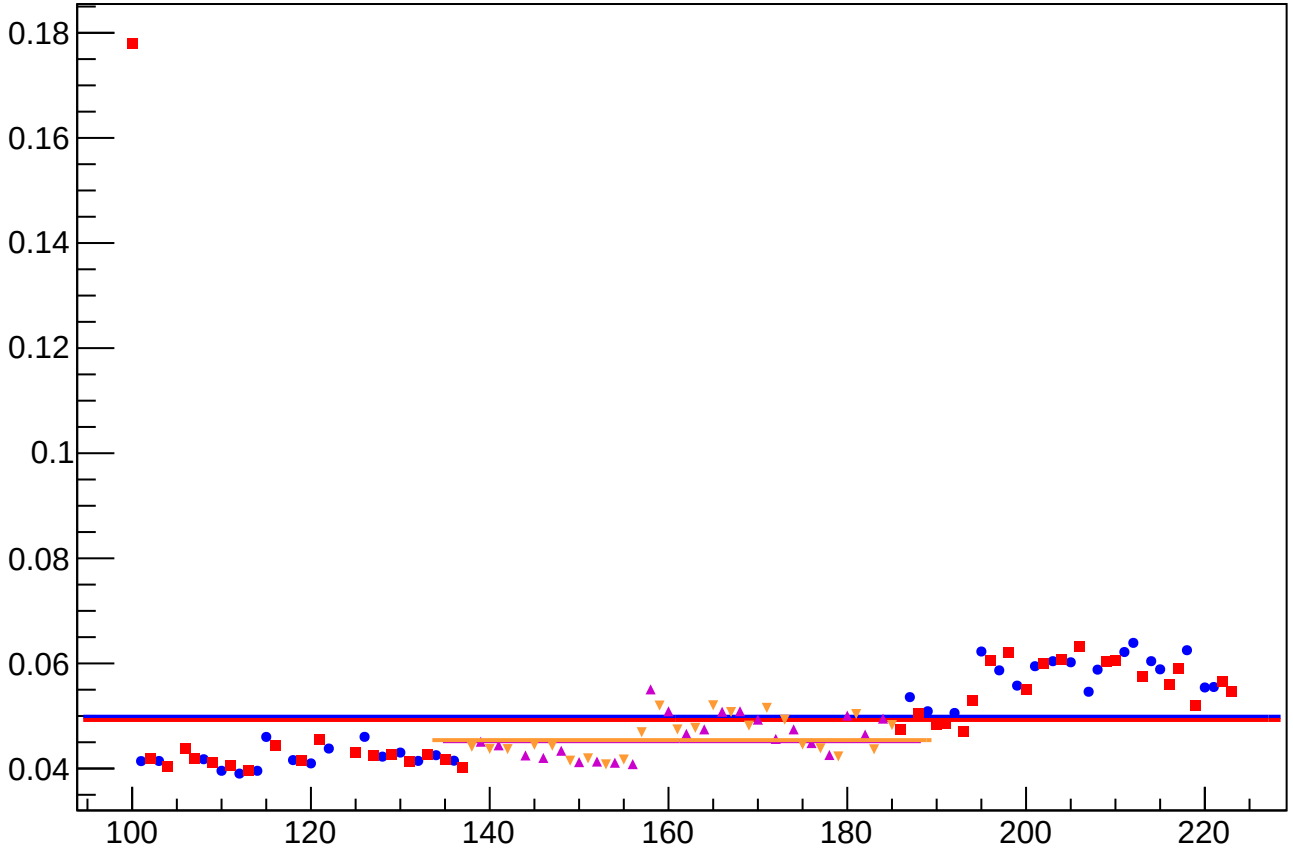
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.988+/-0.000 χ^2/NDF: 74762089988.6/57

All: -26.024+/-0.000 χ^2/NDF: 155116810874

- sign -26.058+/-0.000 χ^2/NDF: 80312528961.0/60

yield_dsl_rms vs Slug



Right In: 0.050+/-0.000 χ^2/NDF: 1211961.8/33

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.049+/-0.000 χ^2/NDF: 1160213.6/37

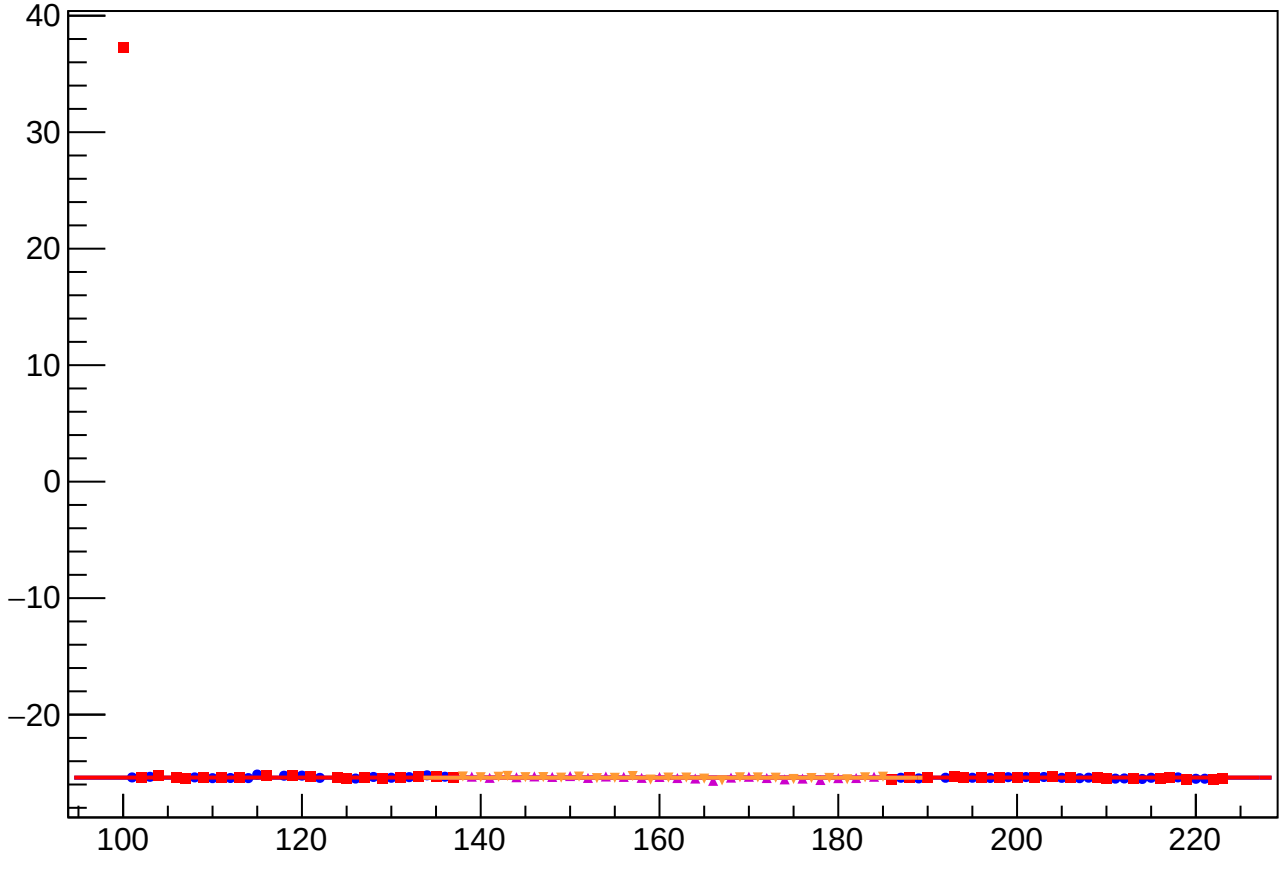
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.048+/-0.000 χ^2/NDF: 1586907.4/57

All: 0.047+/-0.000 χ^2/NDF: 3137145.4/118

- sign 0.047+/-0.000 χ^2/NDF: 1548206.6/60

yield_dsr_mean vs Slug



Right In: -25.417+/-0.000 χ^2/NDF: 38529676.7/33

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.402+/-0.000 χ^2/NDF: 6362990056.1/37

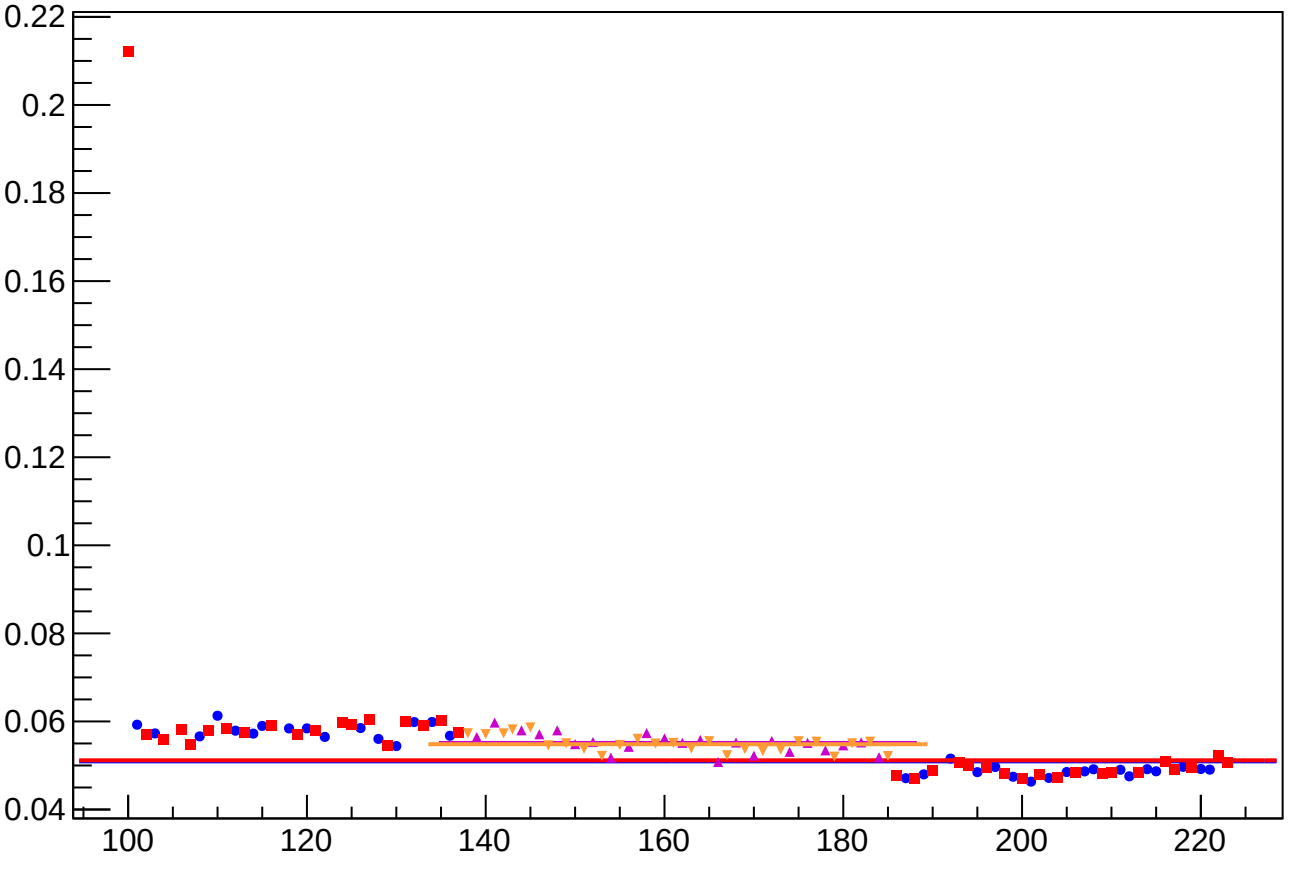
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.417+/-0.000 χ^2/NDF: 90742775.6/58

All: -25.412+/-0.000 χ^2/NDF: 6510717005.3/

- sign -25.407+/-0.000 χ^2/NDF: 6419319720.4/60

yield_dsr_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF: 285733.7/33

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

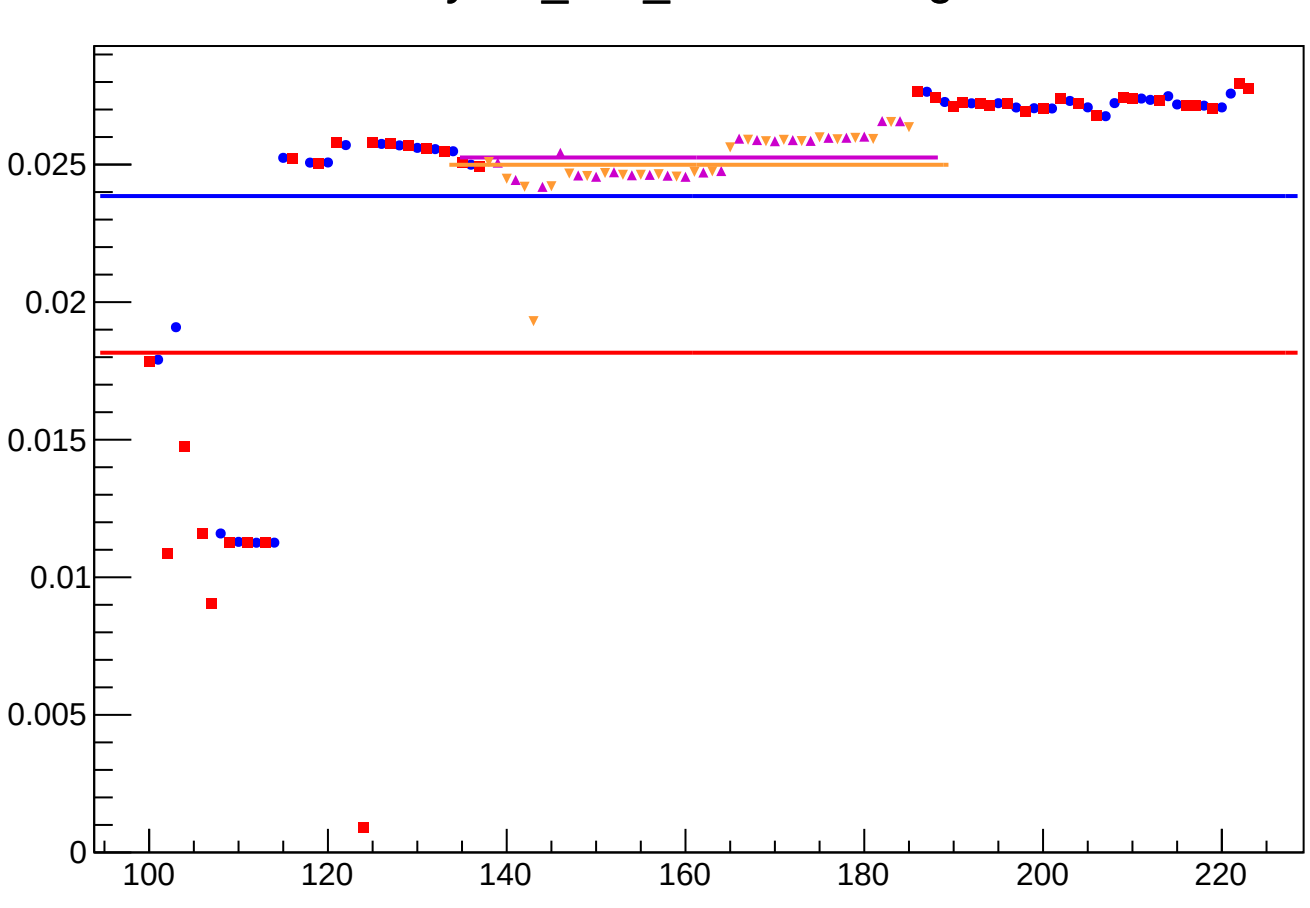
Right Out: 0.051+/-0.000 χ^2/NDF: 382070.2/37

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 430907.3/58

All: 0.053+/-0.000 χ^2/NDF: 971598.2/119

- sign 0.053+/-0.000 χ^2/NDF: 540210.8/60



Right In: 0.024+/-0.000 χ^2/NDF: 107053037422.6/33

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.018+/-0.000 χ^2/NDF: 522334675172.4/38

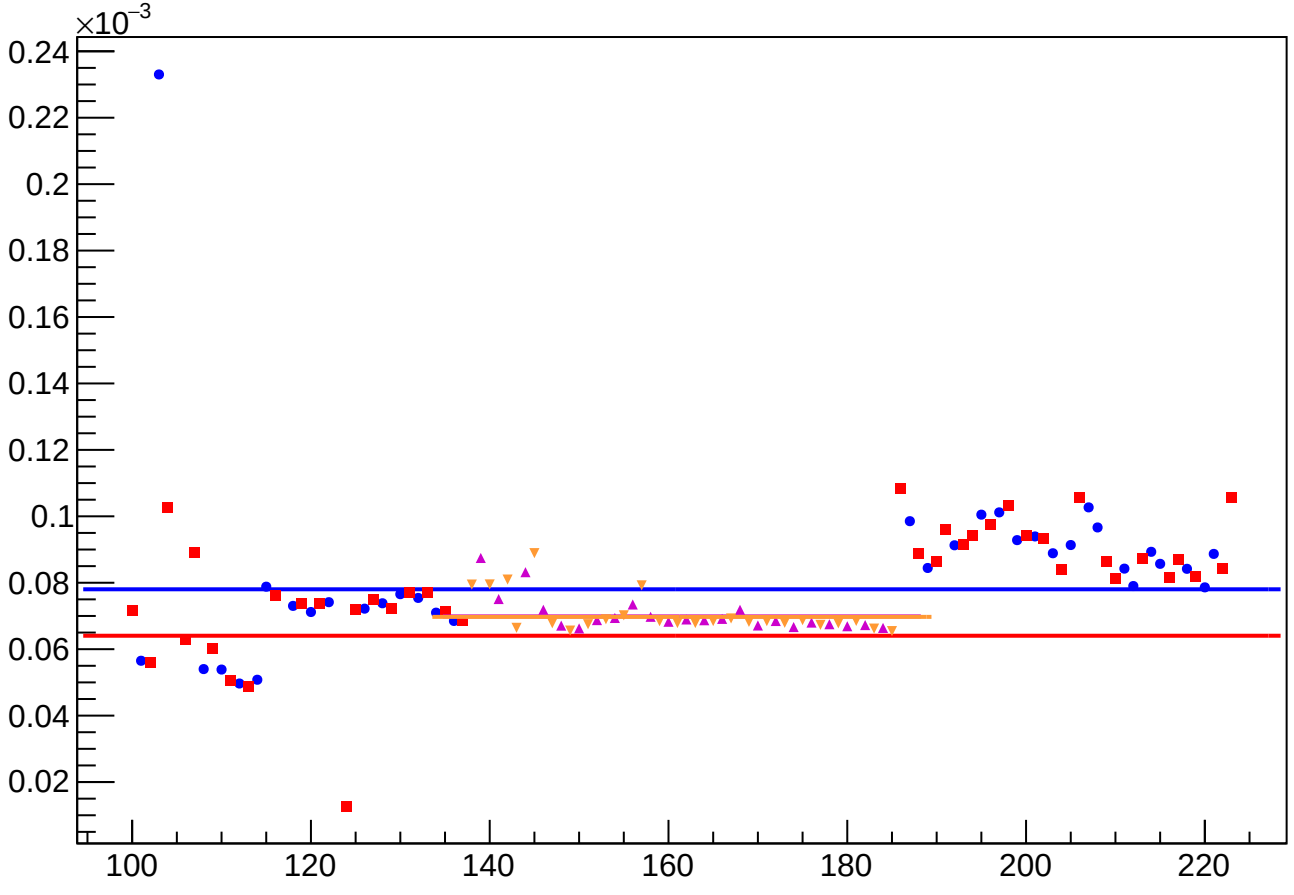
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 117268429067.5/58

All: 0.023+/-0.000 χ^2/NDF: 778058572911.0

- sign 0.021+/-0.000 χ^2/NDF: 624940178425.1/61

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1990383.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8335344.7/38

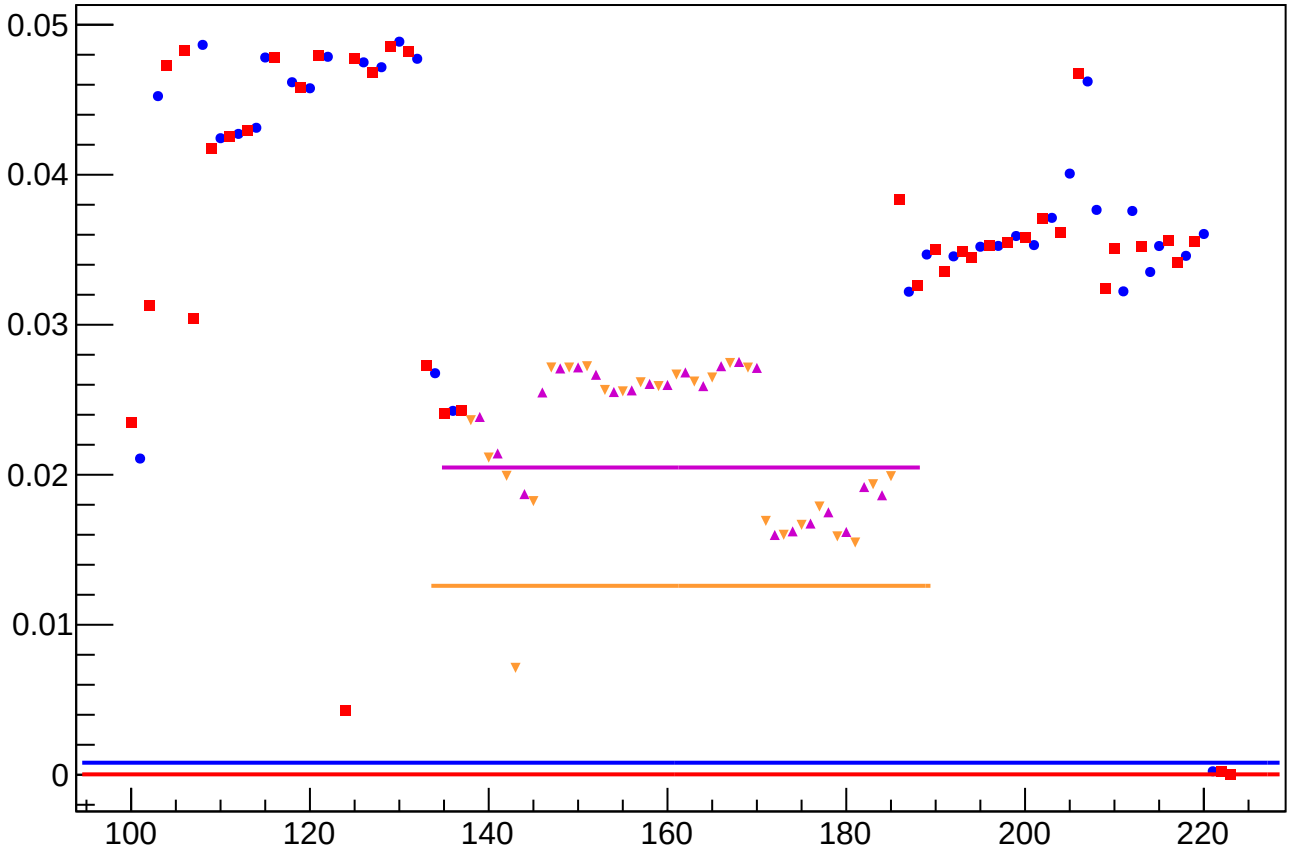
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2427686.4/58

All: 0.000+/-0.000 χ^2/NDF: 11412211.4/120

- sign 0.000+/-0.000 χ^2/NDF: 8623371.7/61

yield_atl2_mean vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 132260371958.6/33

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

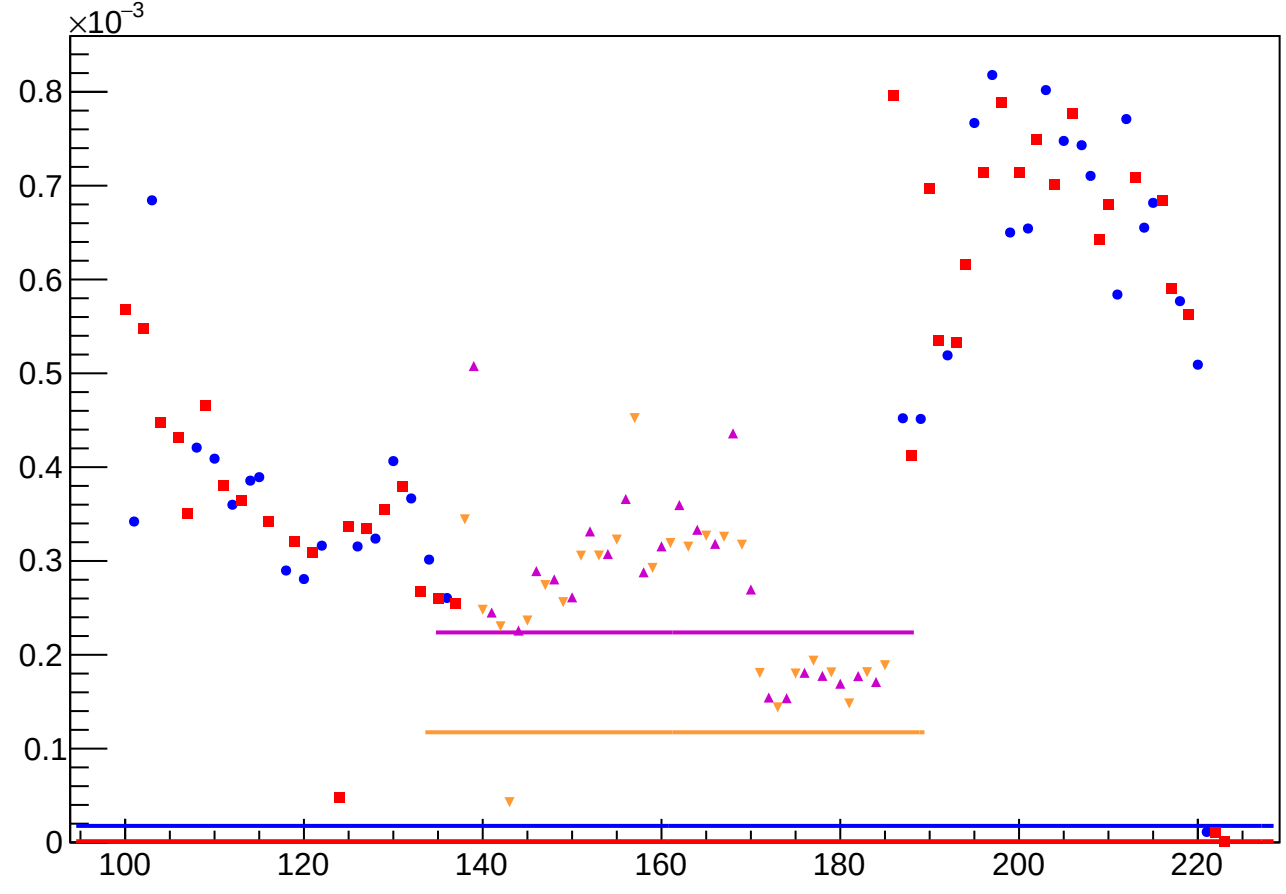
Right Out: 0.000+/-0.000 χ^2/NDF: 133123219191.6/38

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 262581684161.8/58

All: 0.000+/-0.000 χ^2/NDF: 555419944094.4

- sign 0.000+/-0.000 χ^2/NDF: 265190680677.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 37029760.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

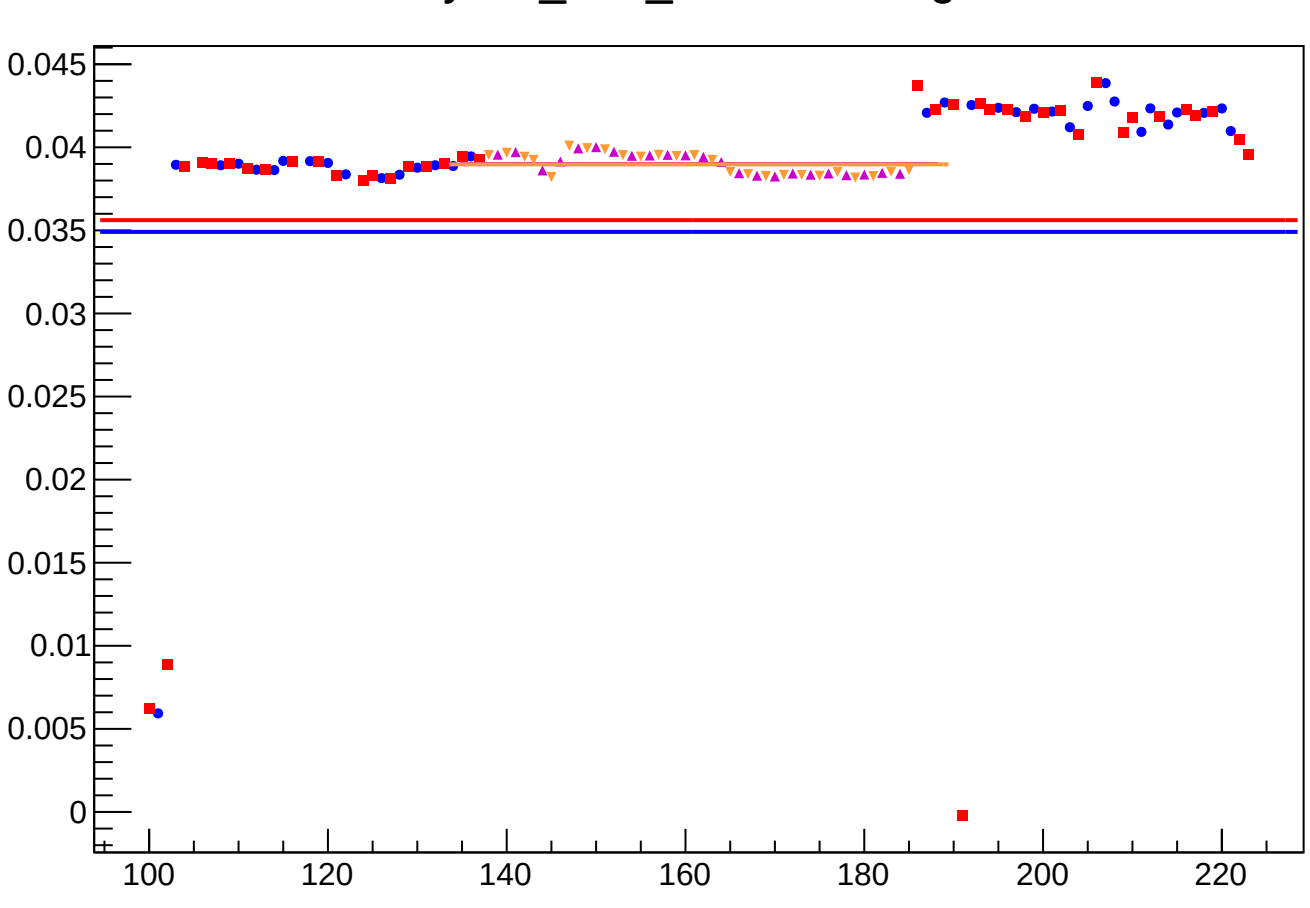
Right Out: 0.000+/-0.000 χ^2/NDF: 41265789.4/38

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 64733682.0/58

All: 0.000+/-0.000 χ^2/NDF: 148736658.4/120

- sign 0.000+/-0.000 χ^2/NDF: 74460209.1/61



Right In: 0.035+/-0.000 χ^2/NDF: 139149992111.4/33

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

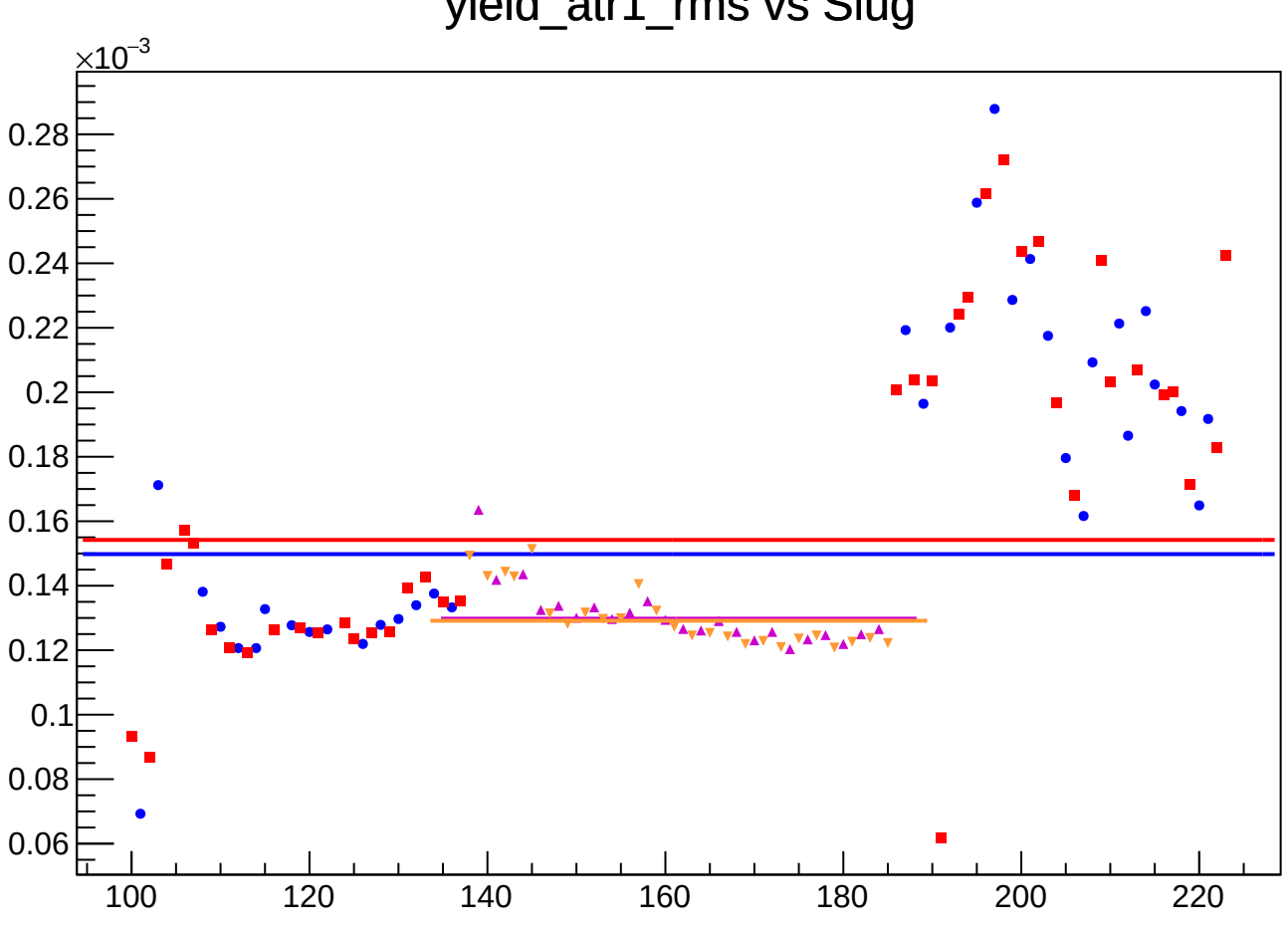
Right Out: 0.036+/-0.000 χ^2/NDF: 125641014681.6/38

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.037+/-0.000 χ^2/NDF: 147637437891.9/58

All: 0.037+/-0.000 χ^2/NDF: 279086663746.8

- sign 0.038+/-0.000 χ^2/NDF: 131372515250.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 4577997.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

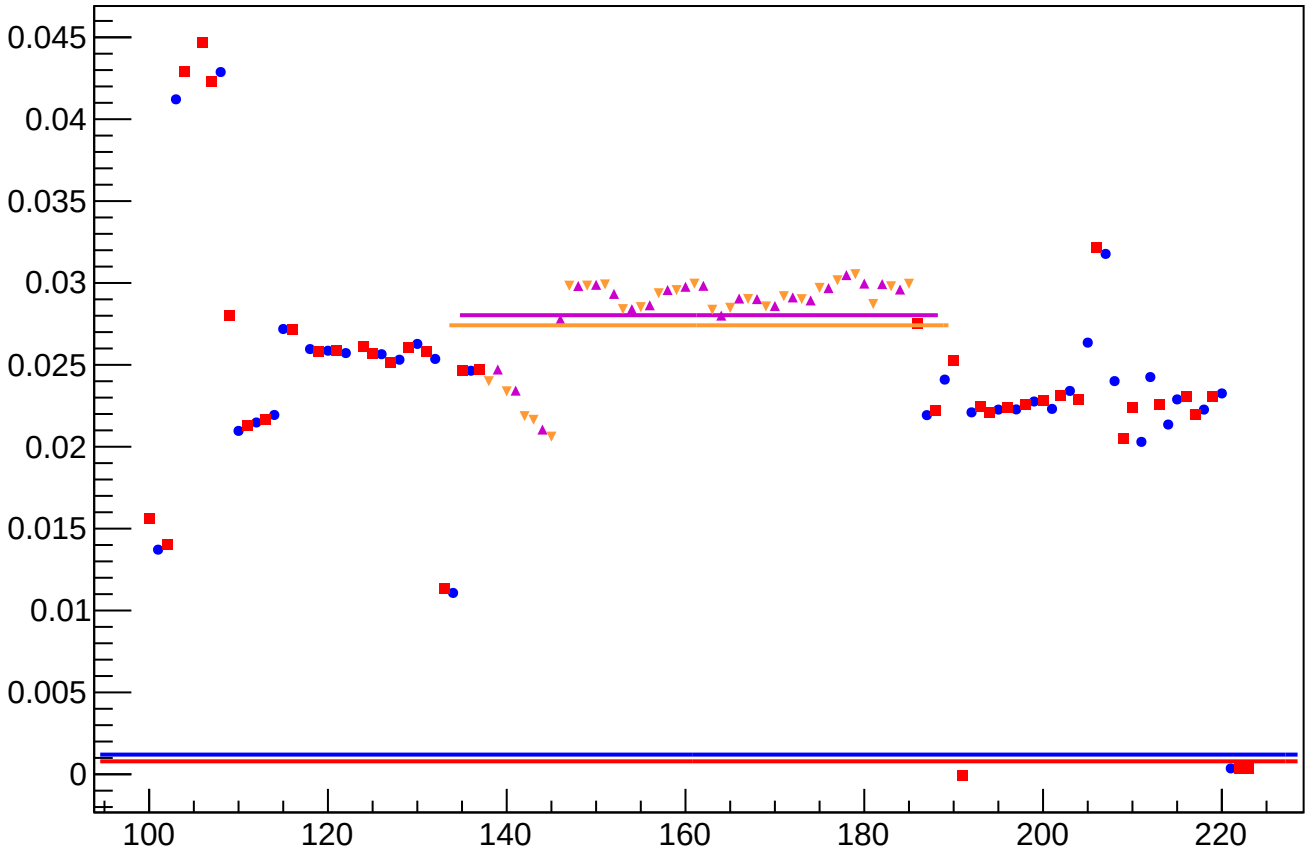
Right Out: 0.000+/-0.000 χ^2/NDF: 4315722.1/38

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5149396.9/58

All: 0.000+/-0.000 χ^2/NDF: 10175266.0/120

- sign 0.000+/-0.000 χ^2/NDF: 5013796.0/61



Right In: 0.001+/-0.000 χ^2/NDF: 69937278020.0/33

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 73924698108.6/38

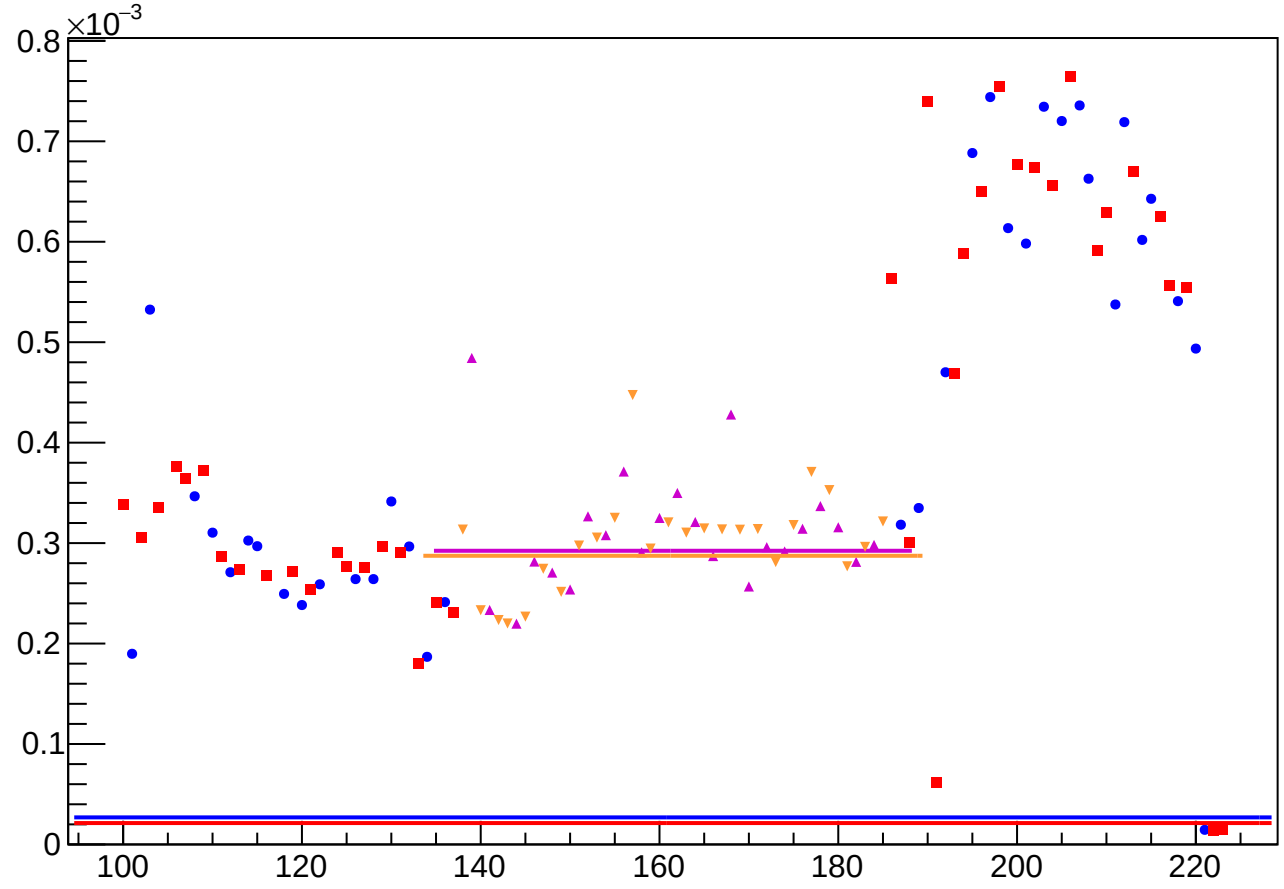
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 206959499897.9/58

All: 0.002+/-0.000 χ^2/NDF: 424456391542.0

- sign 0.002+/-0.000 χ^2/NDF: 214566406281.7/61

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 35396307.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

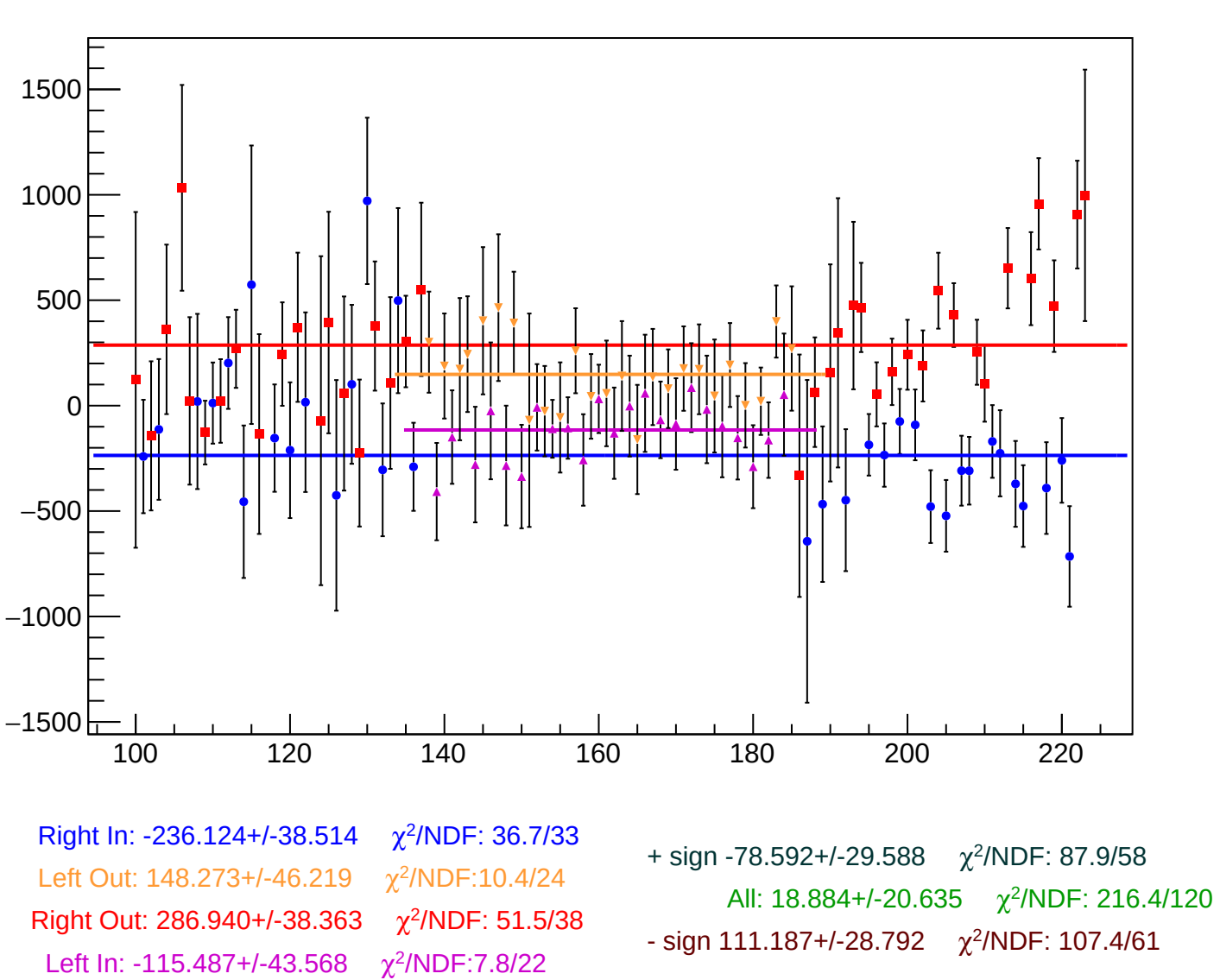
Right Out: 0.000+/-0.000 χ^2/NDF: 36336103.6/38

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

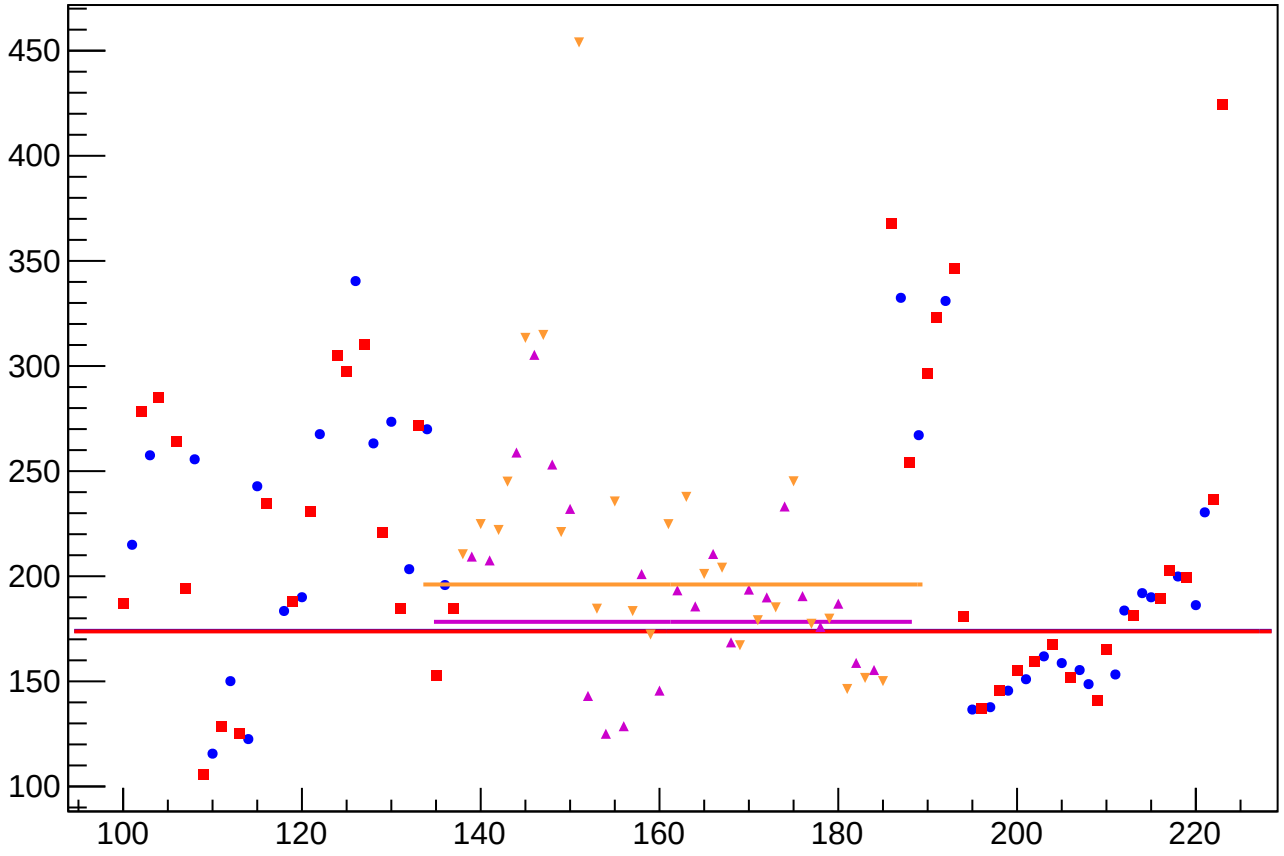
+ sign 0.000+/-0.000 χ^2/NDF: 62826071.4/58

All: 0.000+/-0.000 χ^2/NDF: 128445365.6/120

- sign 0.000+/-0.000 χ^2/NDF: 64862666.2/61


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -236.124+/-38.514 χ²/NDF: 36.7/33
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: 286.940+/-38.363 χ²/NDF: 51.5/38
Left In: -115.487+/-43.568 χ²/NDF:7.8/22
+ sign -78.592+/-29.588 χ²/NDF: 87.9/58
All: 18.884+/-20.635 χ²/NDF: 216.4/120
- sign 111.187+/-28.792 χ²/NDF: 107.4/61

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.019+/-0.027 χ^2/NDF: 2495680.5/33

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

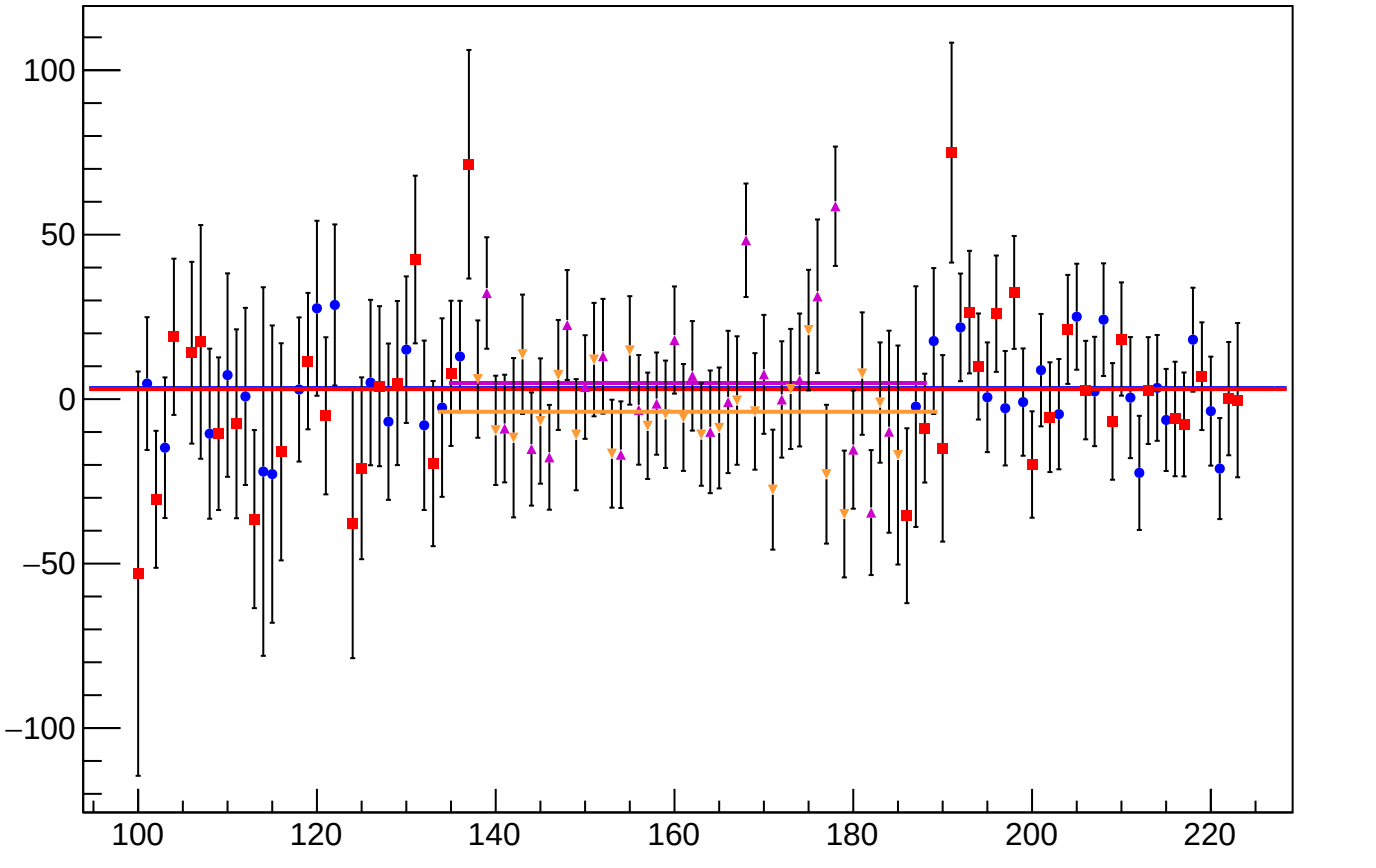
Right Out: 173.764+/-0.027 χ^2/NDF: 3593837.6/38

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 183.062+/-0.021 χ^2/NDF: 4583266.2/58

All: 179.308+/-0.015 χ^2/NDF: 9930437.9/120

- sign 175.753+/-0.020 χ^2/NDF: 5284480.0/61



Right In: 3.348+/-3.381 χ^2/NDF: 16.3/33

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

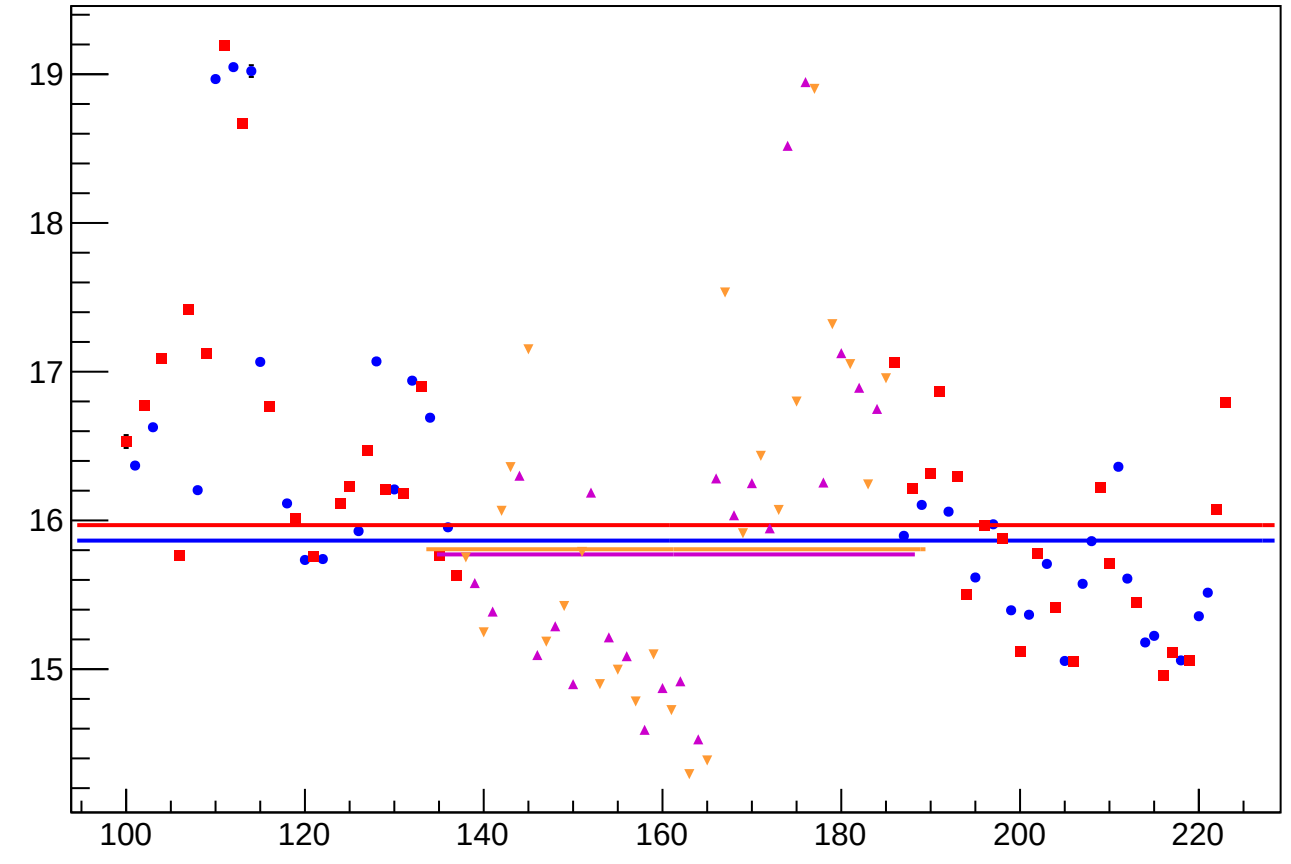
Right Out: 3.048+/-3.339 χ^2/NDF: 35.7/38

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -0.016+/-2.465 χ^2/NDF: 31.2/58

All: 1.924+/-1.748 χ^2/NDF: 102.2/120

- sign 3.882+/-2.477 χ^2/NDF: 69.7/61



Right In: 15.864+/-0.002 χ^2/NDF: 98620.4/33

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

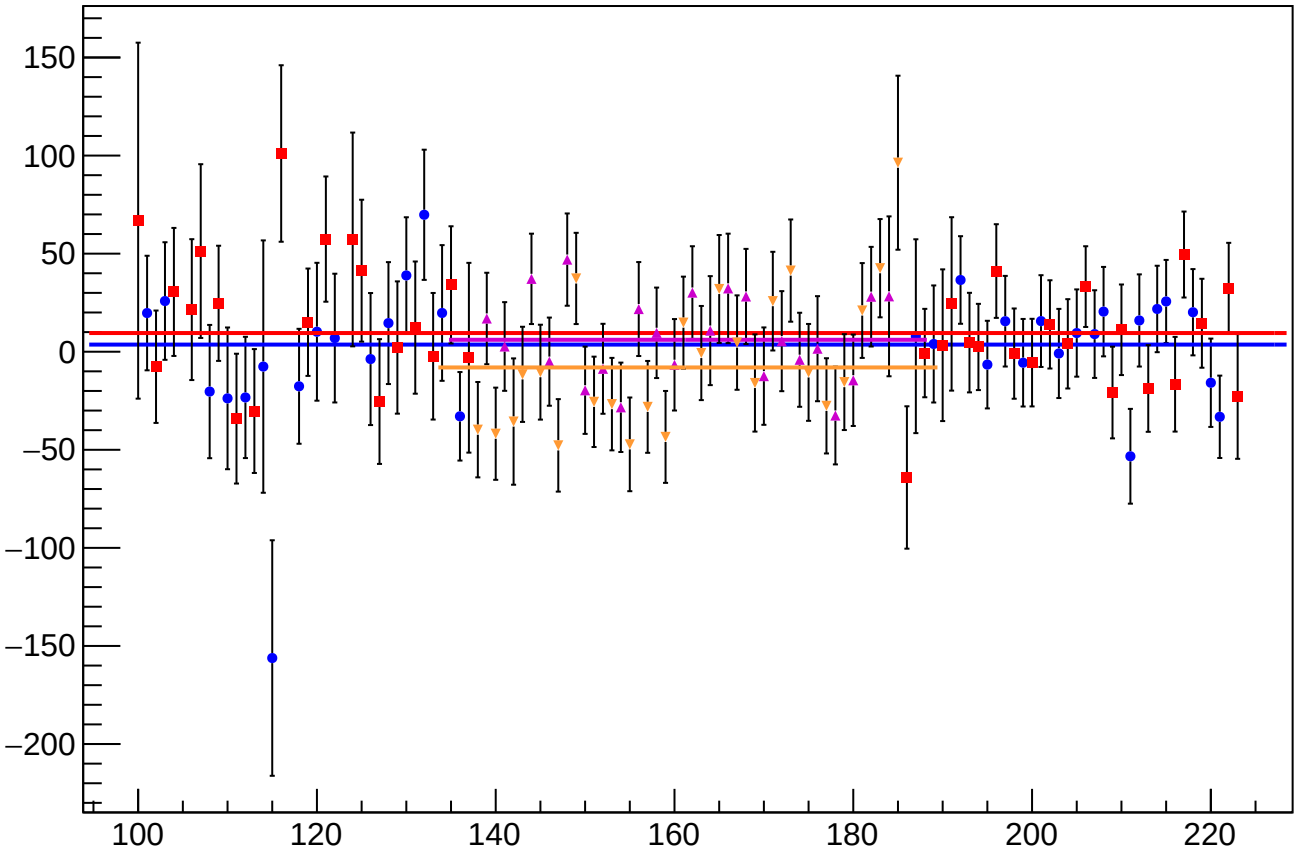
Right Out: 15.968+/-0.002 χ^2/NDF: 114542.7/38

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.837+/-0.002 χ^2/NDF: 271548.4/58

All: 15.858+/-0.001 χ^2/NDF: 541652.9/120

\- sign 15.880+/-0.002 χ^2/NDF: 269806.9/61



Right In: 3.635+/-4.545 χ^2/NDF: 34.5/33

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 9.526+/-4.489 χ^2/NDF: 34.2/38

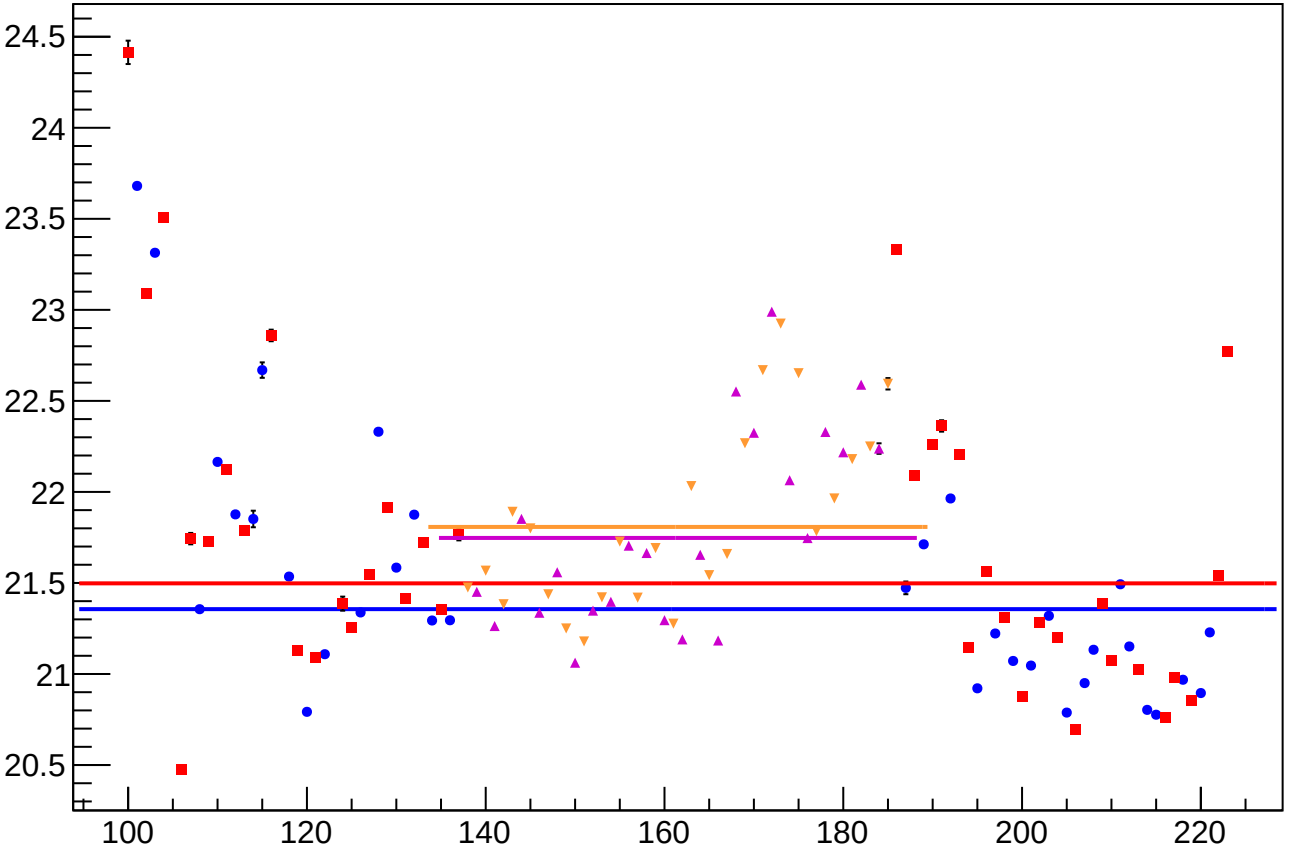
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -1.688+/-3.350 χ^2/NDF: 76.4/58

All: 3.145+/-2.374 χ^2/NDF: 132.9/120

- sign 8.018+/-3.364 χ^2/NDF: 52.4/61

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.356+/-0.003 χ^2/NDF: 37097.1/33

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

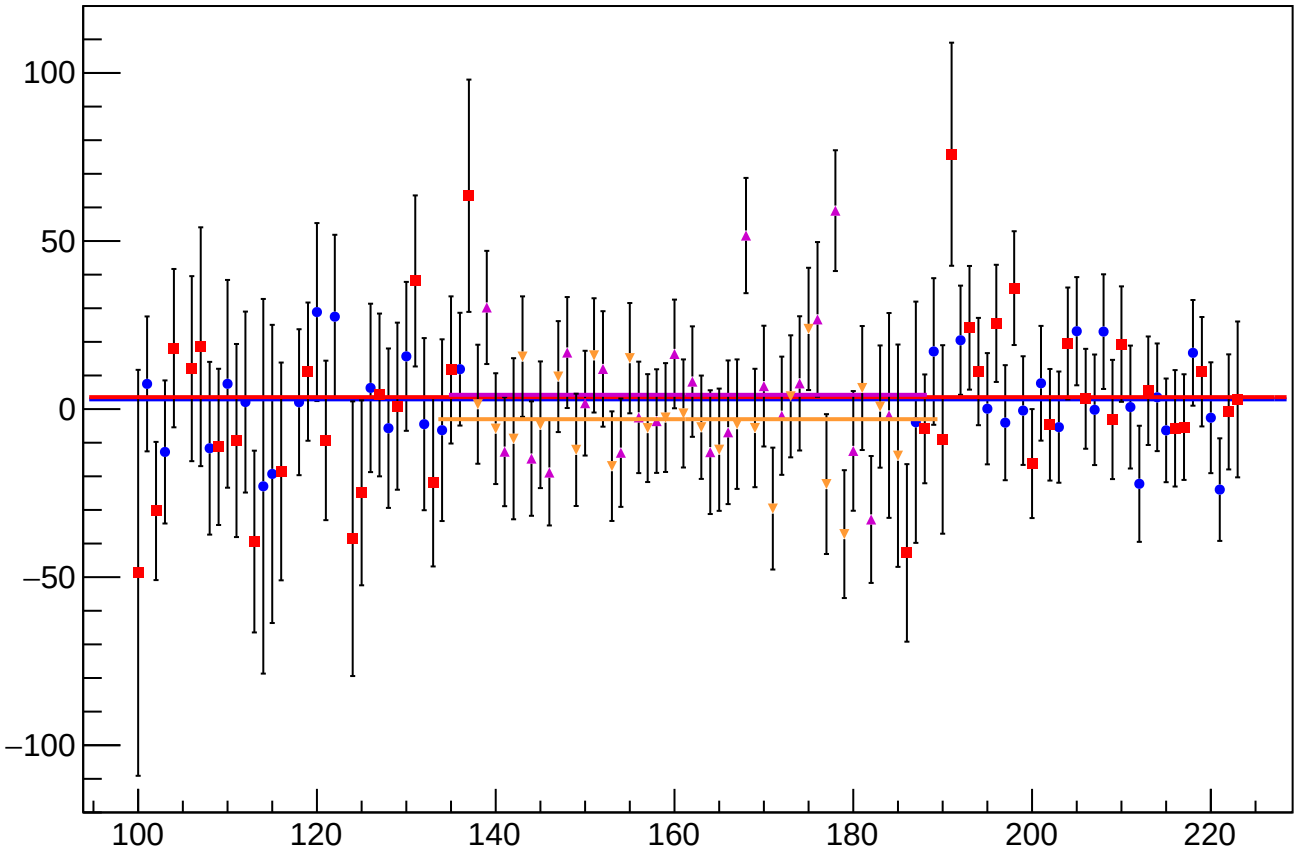
Right Out: 21.498+/-0.003 χ^2/NDF: 46459.9/38

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.562+/-0.002 χ^2/NDF: 63674.7/58

All: 21.585+/-0.002 χ^2/NDF: 133581.5/120

- sign 21.607+/-0.002 χ^2/NDF: 69729.2/61



Right In: 2.899+/-3.358 χ^2/NDF: 16.0/33

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

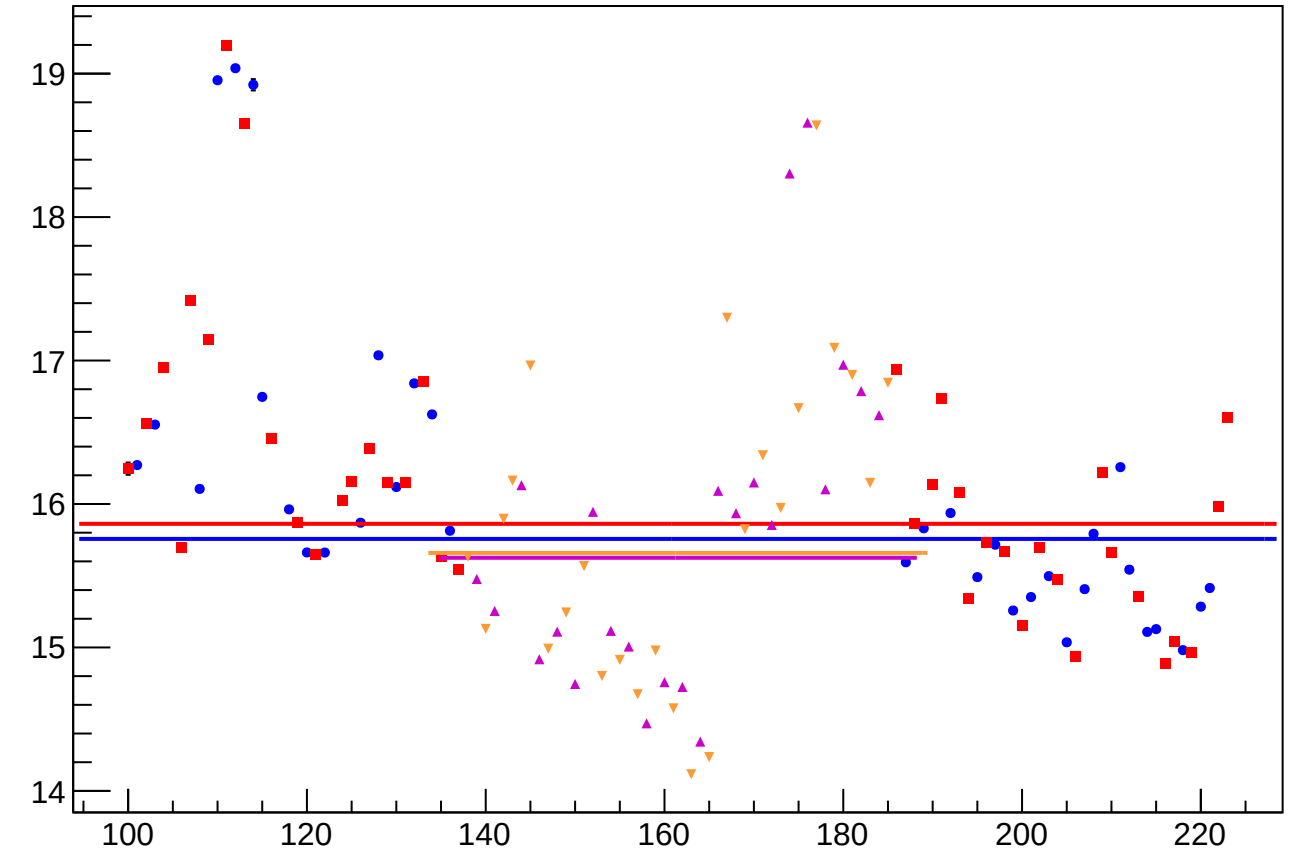
Right Out: 3.557+/-3.317 χ^2/NDF: 36.0/38

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.127+/-2.446 χ^2/NDF: 32.1/58

All: 1.989+/-1.734 χ^2/NDF: 103.1/120

- sign 3.869+/-2.458 χ^2/NDF: 69.8/61



Right In: 15.757+/-0.002 χ^2/NDF: 100575.3/33

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

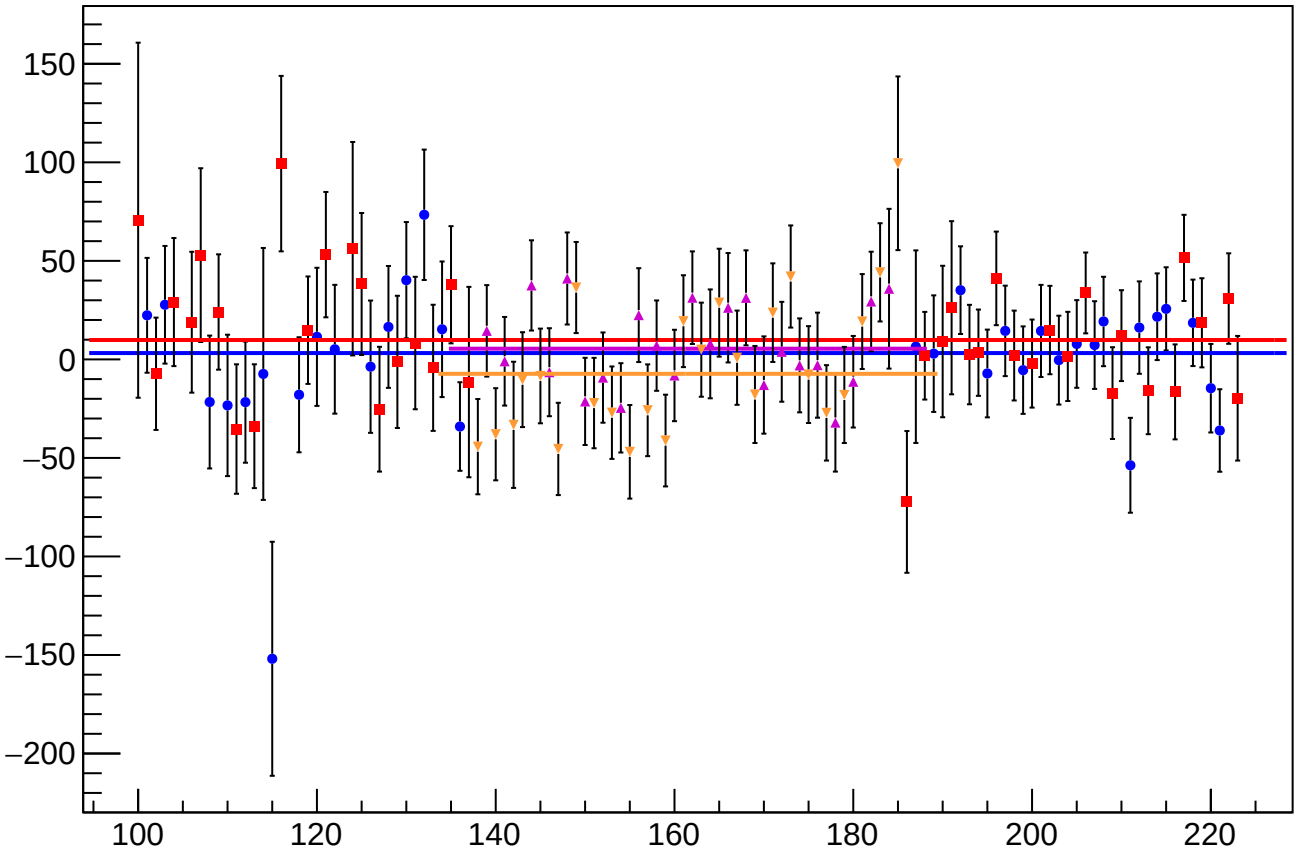
Right Out: 15.862+/-0.002 χ^2/NDF: 114662.9/38

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.711+/-0.002 χ^2/NDF: 271209.4/58

All: 15.733+/-0.001 χ^2/NDF: 541224.0/120

\- sign 15.755+/-0.002 χ^2/NDF: 269688.6/61



Right In: 3.217+/-4.527 χ^2/NDF: 35.3/33

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

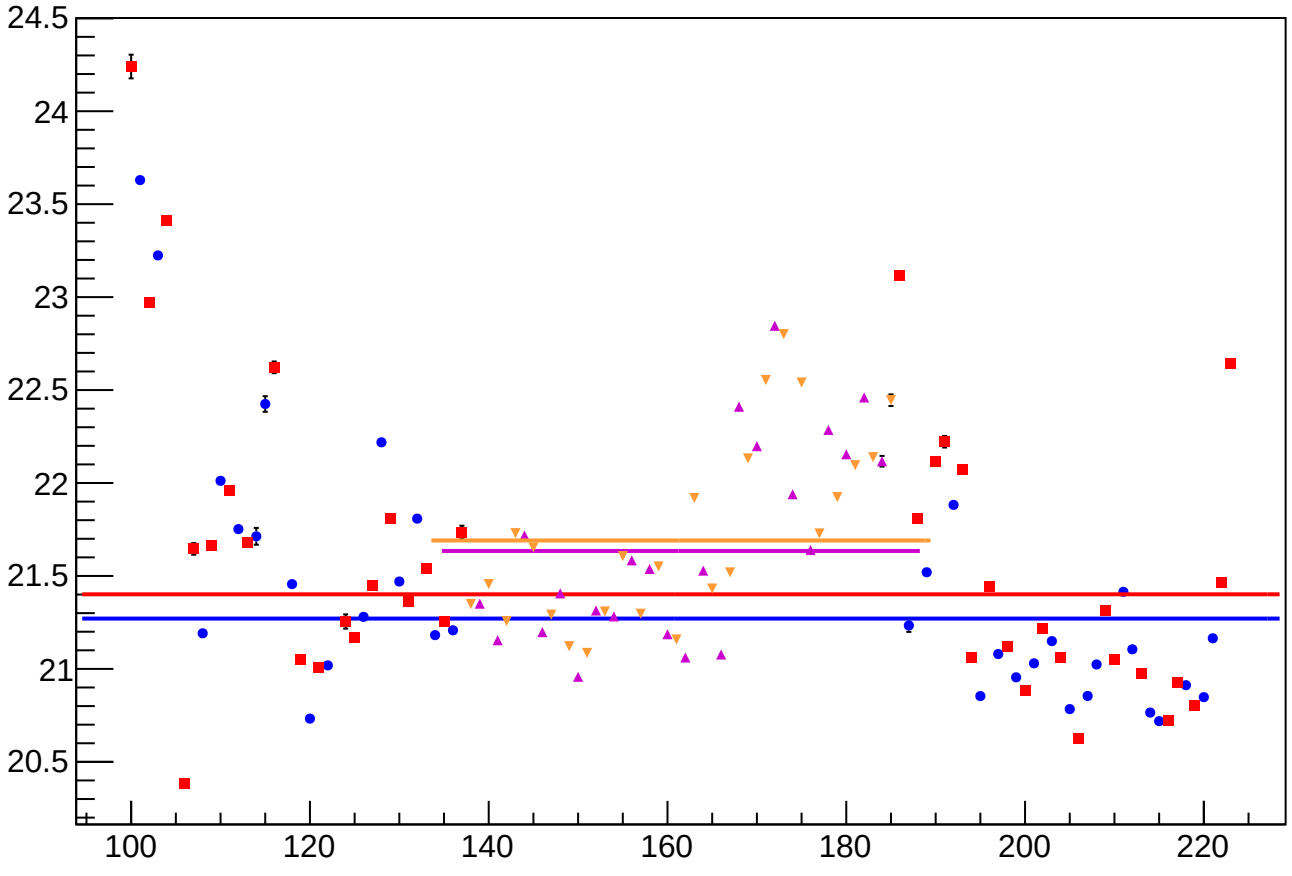
Right Out: 9.841+/-4.469 χ^2/NDF: 34.9/38

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

\+ sign -1.603+/-3.334 χ^2/NDF: 76.4/58

All: 3.133+/-2.362 χ^2/NDF: 133.1/120

\- sign 7.908+/-3.348 χ^2/NDF: 52.6/61



Right In: 21.271+/-0.003 χ^2/NDF: 36024.7/33

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.401+/-0.003 χ^2/NDF: 42594.5/38

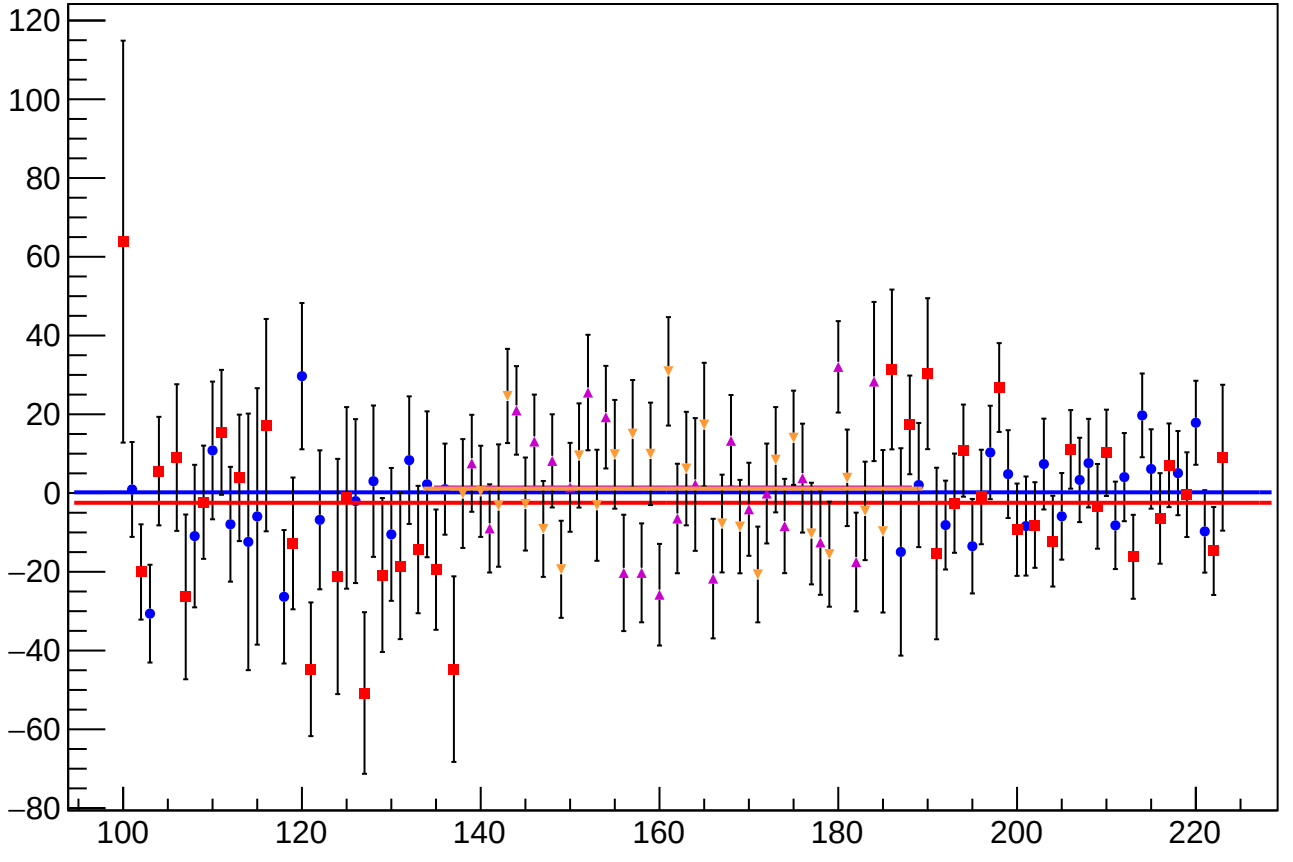
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.463+/-0.002 χ^2/NDF: 61842.0/58

All: 21.483+/-0.002 χ^2/NDF: 127537.5/120

- sign 21.504+/-0.002 χ^2/NDF: 65547.4/61

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.184+/-2.269 χ^2/NDF: 26.3/33

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -2.470+/-2.255 χ^2/NDF: 52.2/38

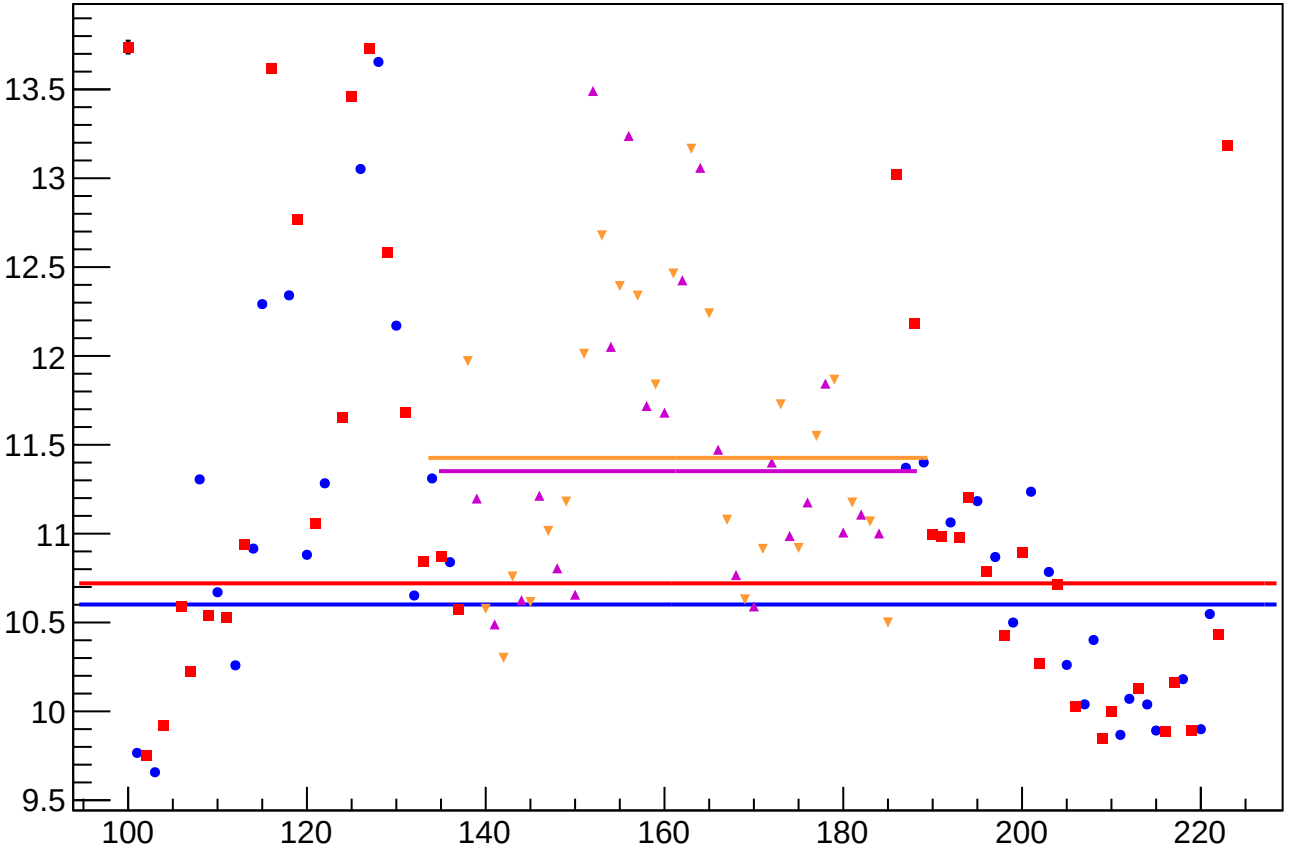
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.593+/-1.715 χ^2/NDF: 50.9/58

All: -0.129+/-1.216 χ^2/NDF: 141.0/120

- sign -0.859+/-1.724 χ^2/NDF: 89.8/61

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.601+/-0.002 χ^2/NDF: 224930.6/33

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

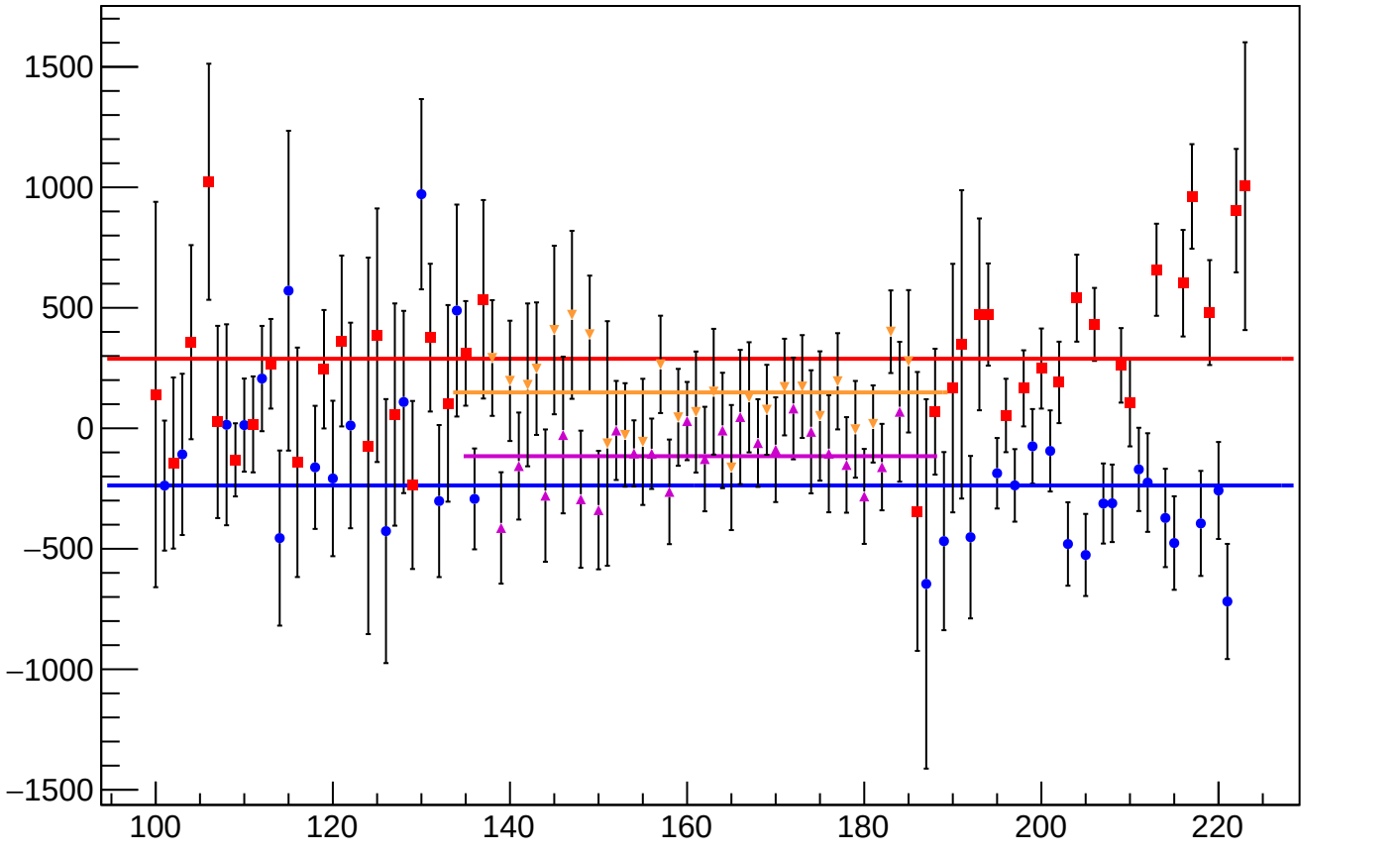
Right Out: 10.720+/-0.002 χ^2/NDF: 345464.3/38

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 10.955+/-0.001 χ^2/NDF: 495236.9/58

All: 10.969+/-0.001 χ^2/NDF: 1076702.1/120

- sign 10.983+/-0.001 χ^2/NDF: 581207.1/61



Right In: -237.287+/-38.610 χ^2/NDF: 36.7/33

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

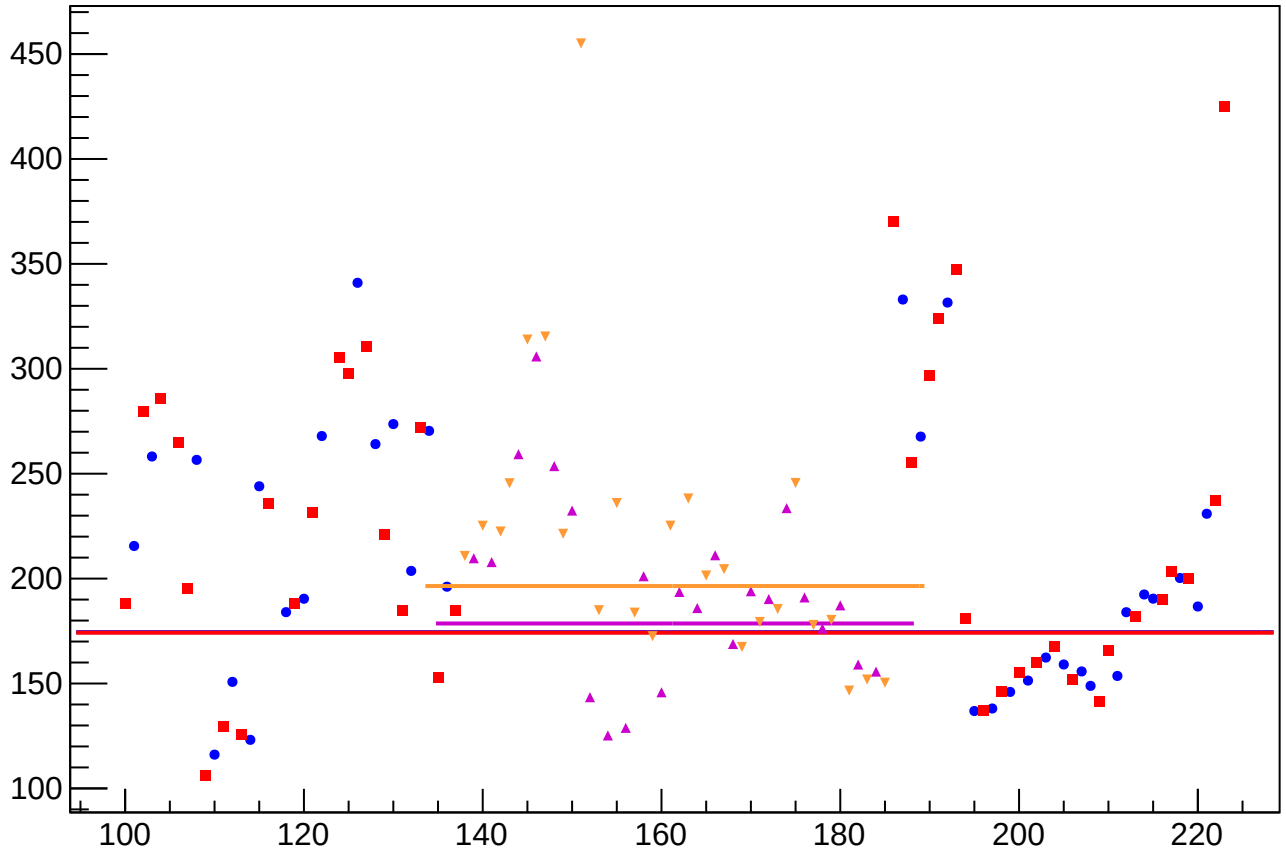
Right Out: 288.546+/-38.464 χ^2/NDF: 51.6/38

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

\+ sign -78.909+/-29.654 χ^2/NDF: 88.3/58

All: 19.050+/-20.681 χ^2/NDF: 217.2/120

\- sign 111.805+/-28.856 χ^2/NDF: 107.7/61



Right In: 174.460+/-0.027 χ^2/NDF: 2490427.4/33

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

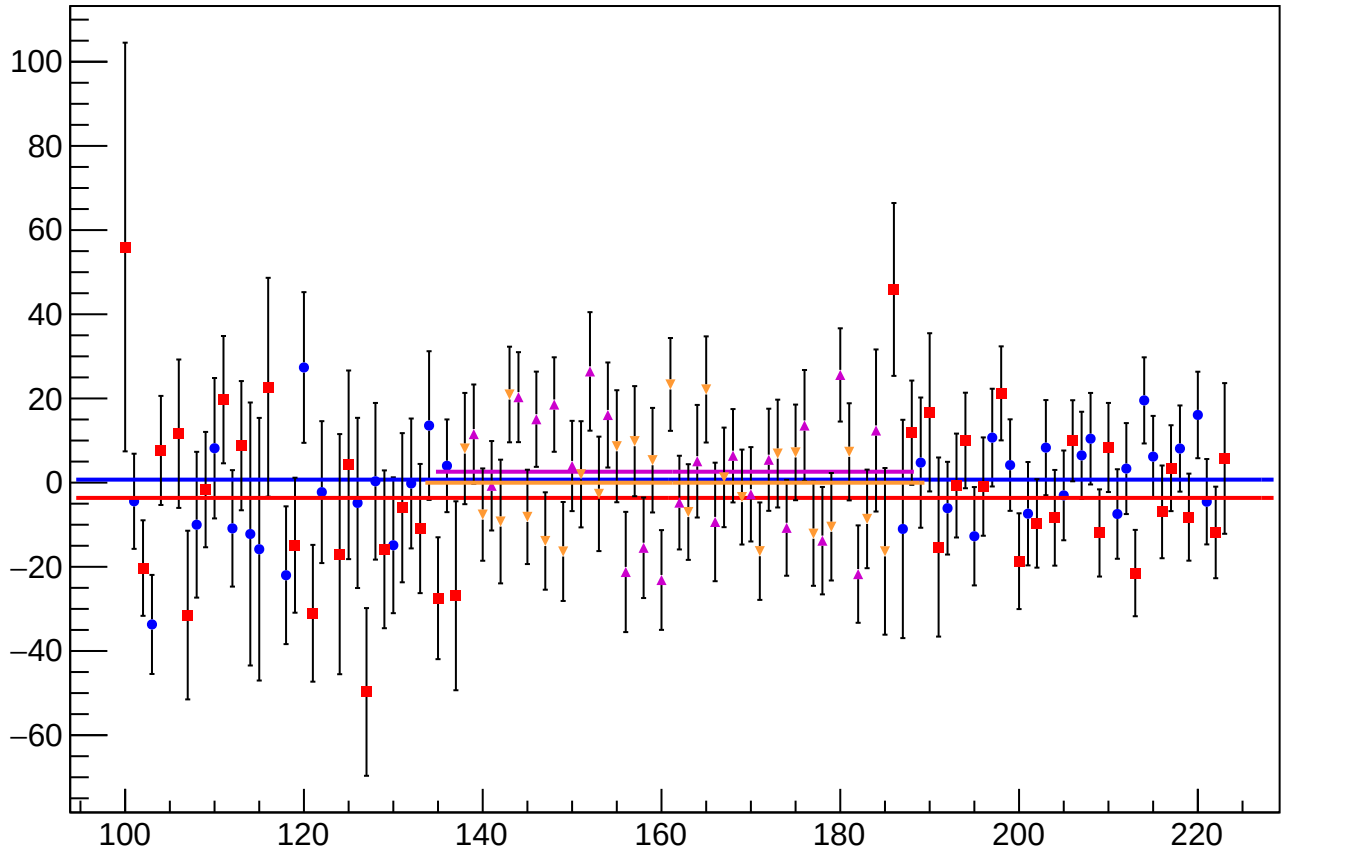
Right Out: 174.230+/-0.027 χ^2/NDF: 3589509.6/38

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 183.480+/-0.021 χ^2/NDF: 4575325.5/58

All: 179.713+/-0.015 χ^2/NDF: 9917882.3/120

- sign 176.147+/-0.020 χ^2/NDF: 5279728.9/61



Right In: 0.712+/-2.188 χ^2/NDF: 28.6/33

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.629+/-2.176 χ^2/NDF: 50.8/38

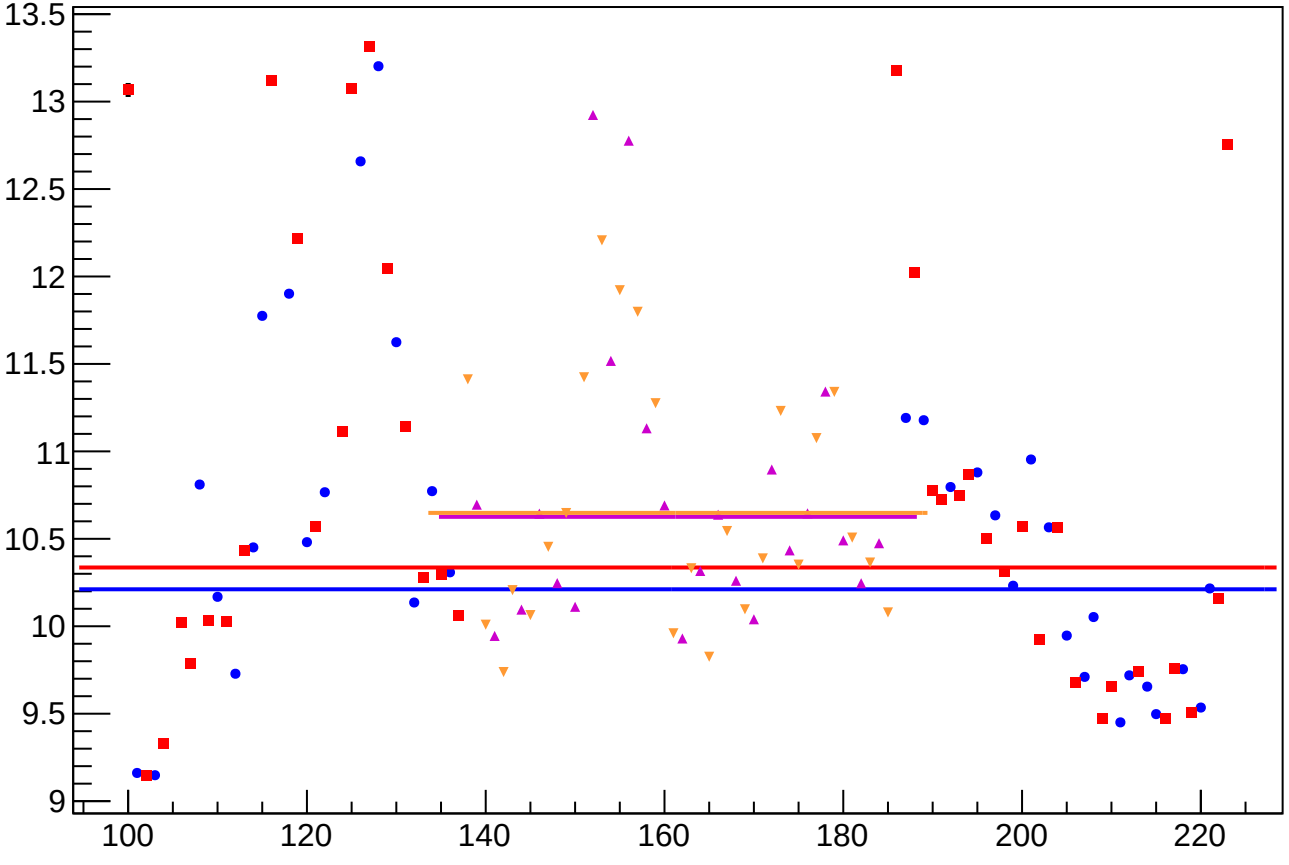
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign 0.388+/-1.630 χ^2/NDF: 52.4/58

All: -0.278+/-1.157 χ^2/NDF: 141.8/120

- sign -0.955+/-1.643 χ^2/NDF: 89.1/61

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.211+/-0.002 χ^2/NDF: 250948.8/33

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

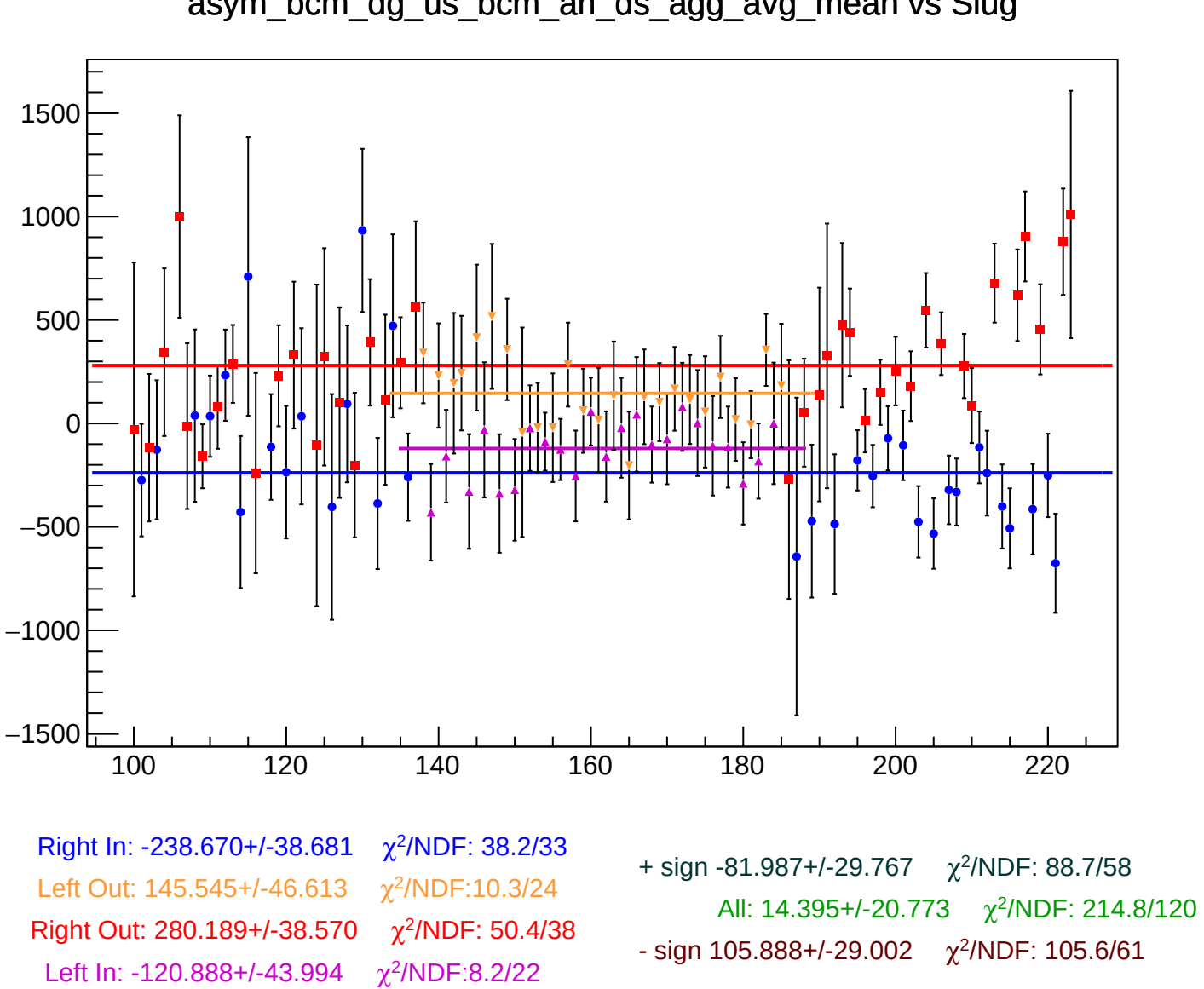
Right Out: 10.336+/-0.002 χ^2/NDF: 388446.2/38

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

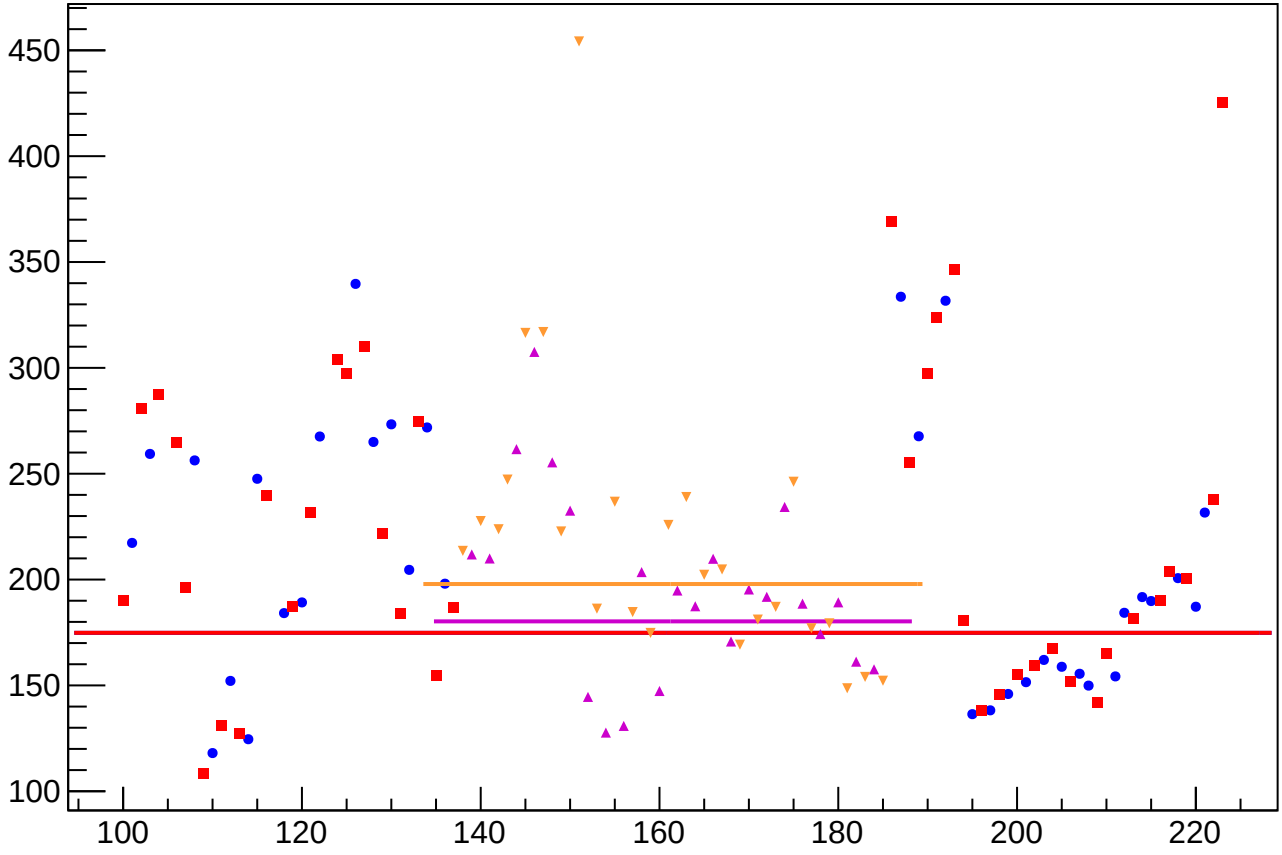
+ sign 10.406+/-0.001 χ^2/NDF: 429952.4/58

All: 10.433+/-0.001 χ^2/NDF: 994298.9/120

- sign 10.461+/-0.001 χ^2/NDF: 563221.5/61


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -238.670+/-38.681 χ²/NDF: 38.2/33
Left Out: 145.545+/-46.613 χ²/NDF:10.3/24
Right Out: 280.189+/-38.570 χ²/NDF: 50.4/38
Left In: -120.888+/-43.994 χ²/NDF:8.2/22
+ sign -81.987+/-29.767 χ²/NDF: 88.7/58
All: 14.395+/-20.773 χ²/NDF: 214.8/120
- sign 105.888+/-29.002 χ²/NDF: 105.6/61

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.819+/-0.027 χ^2/NDF: 2479592.4/33

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

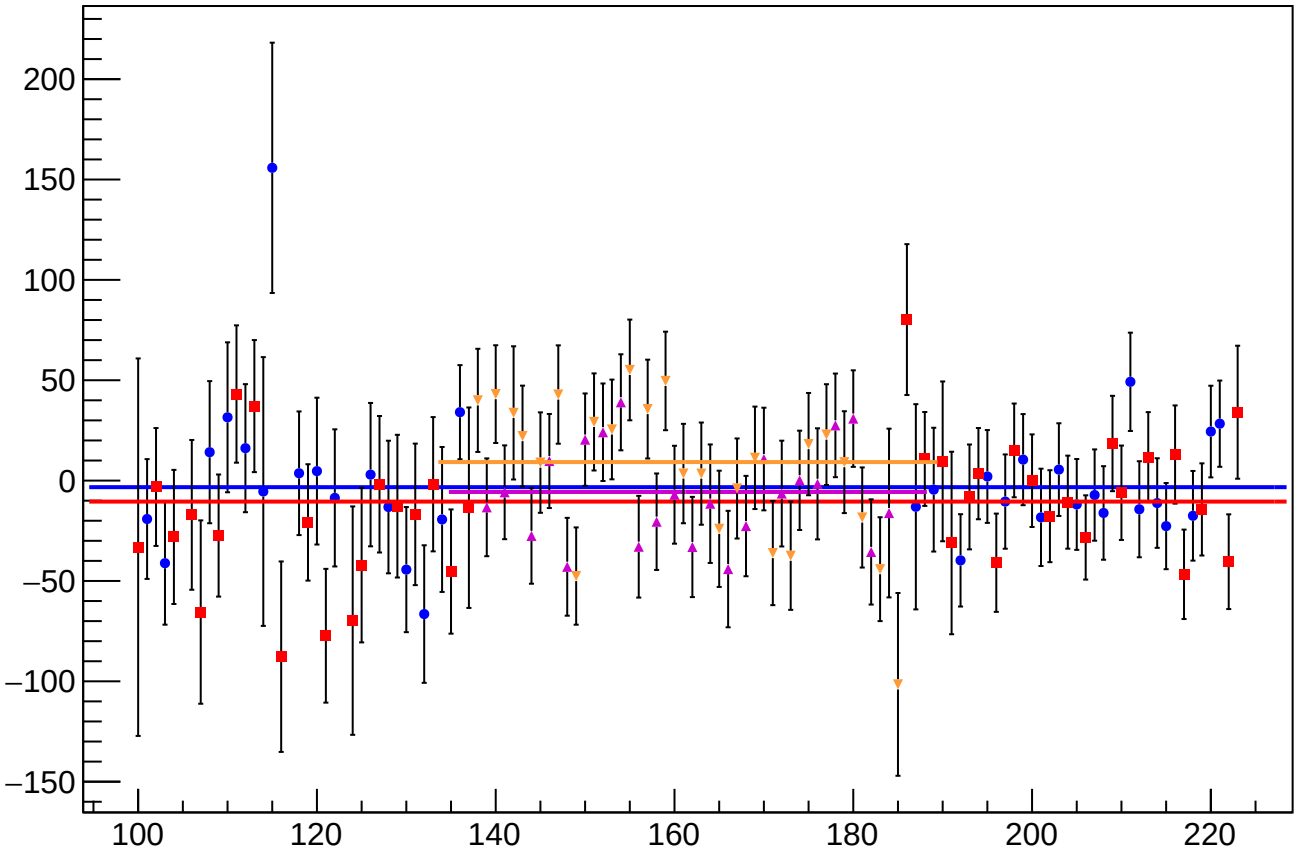
Right Out: 174.847+/-0.027 χ^2/NDF: 3533999.5/38

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 184.228+/-0.021 χ^2/NDF: 4558588.7/58

All: 180.619+/-0.015 χ^2/NDF: 9794692.3/120

- sign 177.194+/-0.021 χ^2/NDF: 5178819.8/61



Right In: -3.272+/-4.666 χ^2/NDF: 31.8/33

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -10.455+/-4.619 χ^2/NDF: 37.5/38

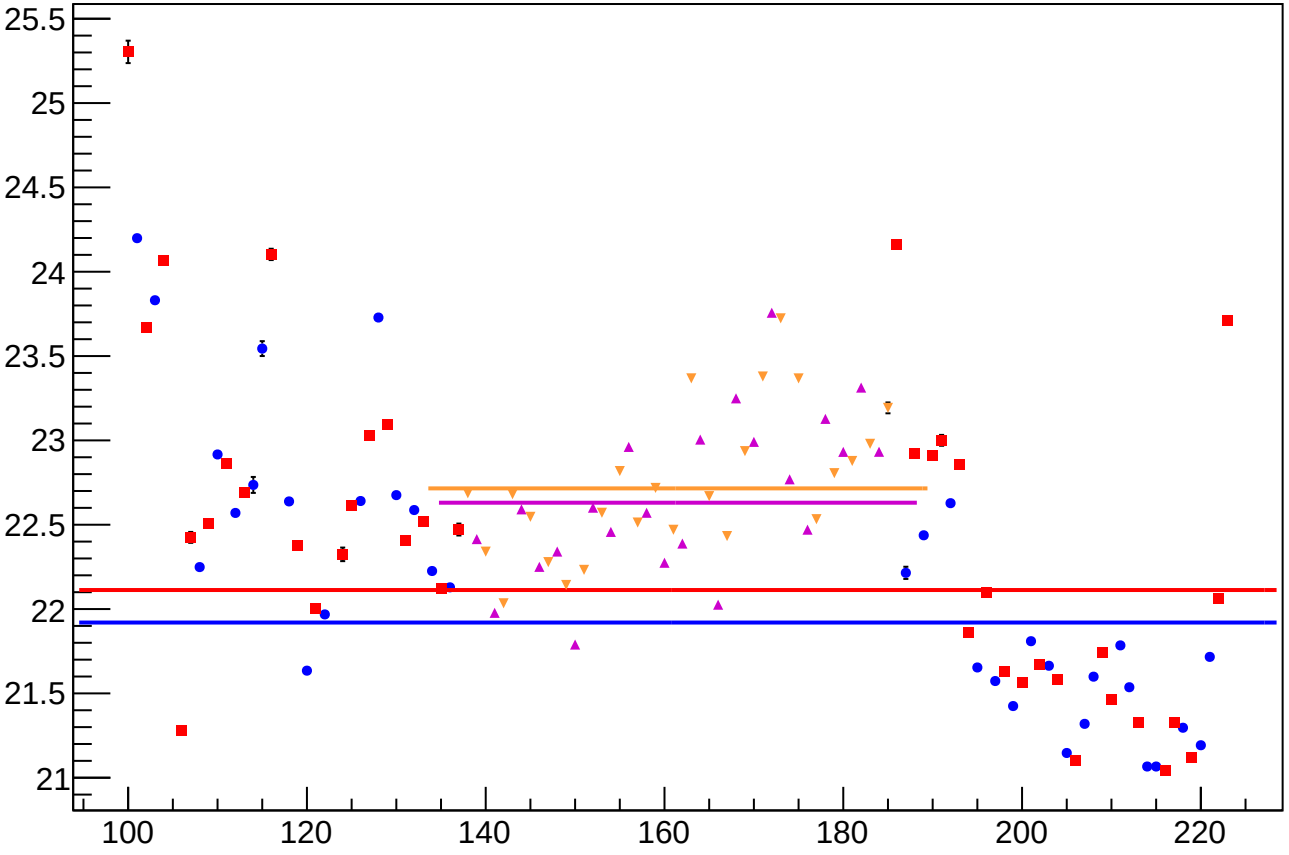
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.351+/-3.462 χ^2/NDF: 74.5/58

All: -2.990+/-2.454 χ^2/NDF: 138.0/120

- sign -8.383+/-3.478 χ^2/NDF: 58.8/61

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.920+/-0.003 χ^2/NDF: 52791.1/33

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

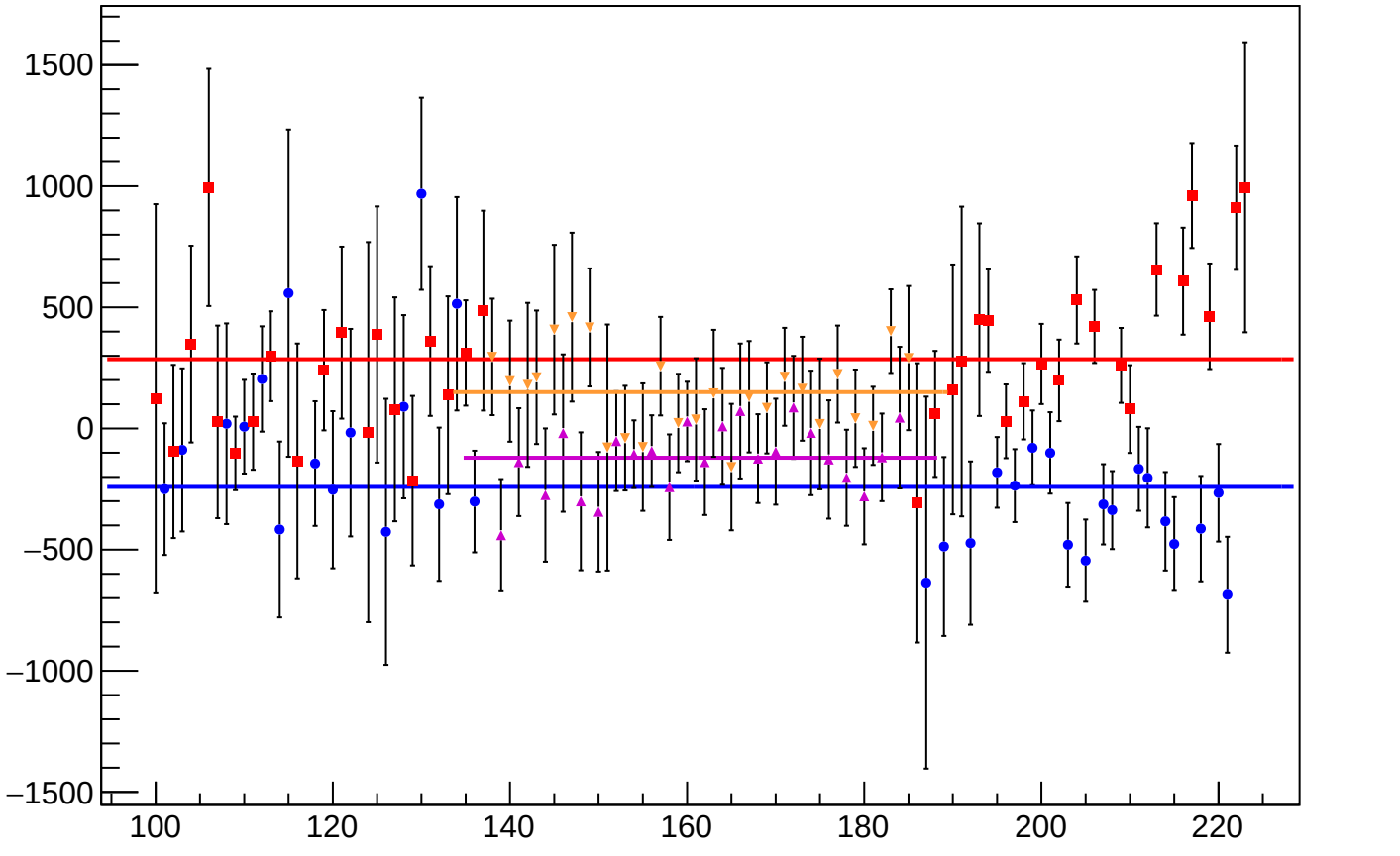
Right Out: 22.113+/-0.003 χ^2/NDF: 64769.8/38

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.278+/-0.002 χ^2/NDF: 91100.3/58

All: 22.307+/-0.002 χ^2/NDF: 182430.9/120

- sign 22.337+/-0.002 χ^2/NDF: 91039.2/61



Right In: -241.092+/-38.570 χ^2/NDF: 36.9/33

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

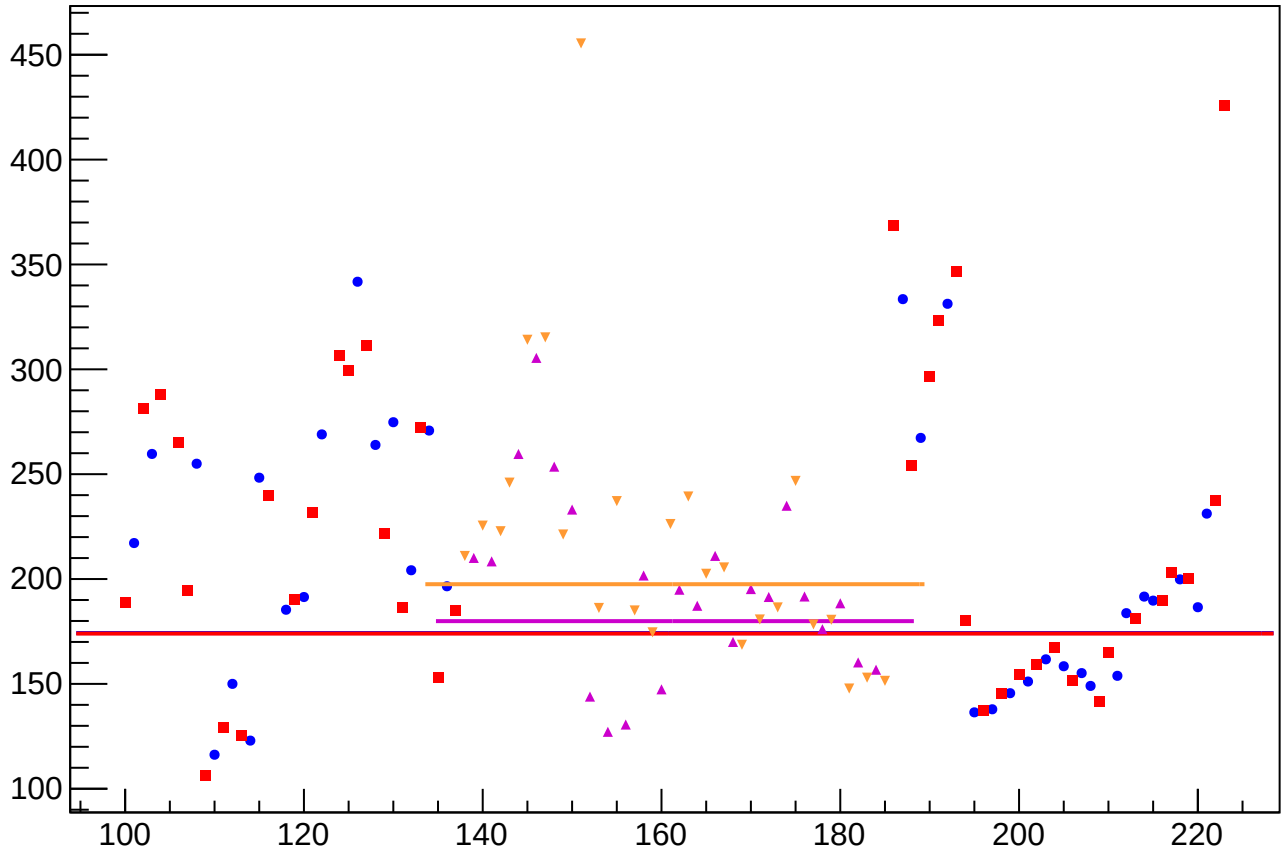
Right Out: 285.819+/-38.420 χ^2/NDF: 50.3/38

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -81.743+/-29.696 χ^2/NDF: 89.8/58

All: 16.455+/-20.717 χ^2/NDF: 217.8/120

- sign 109.570+/-28.917 χ^2/NDF: 106.7/61



Right In: 174.239+/-0.027 χ^2/NDF: 2512834.7/33

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 173.994+/-0.027 χ^2/NDF: 3613211.2/38

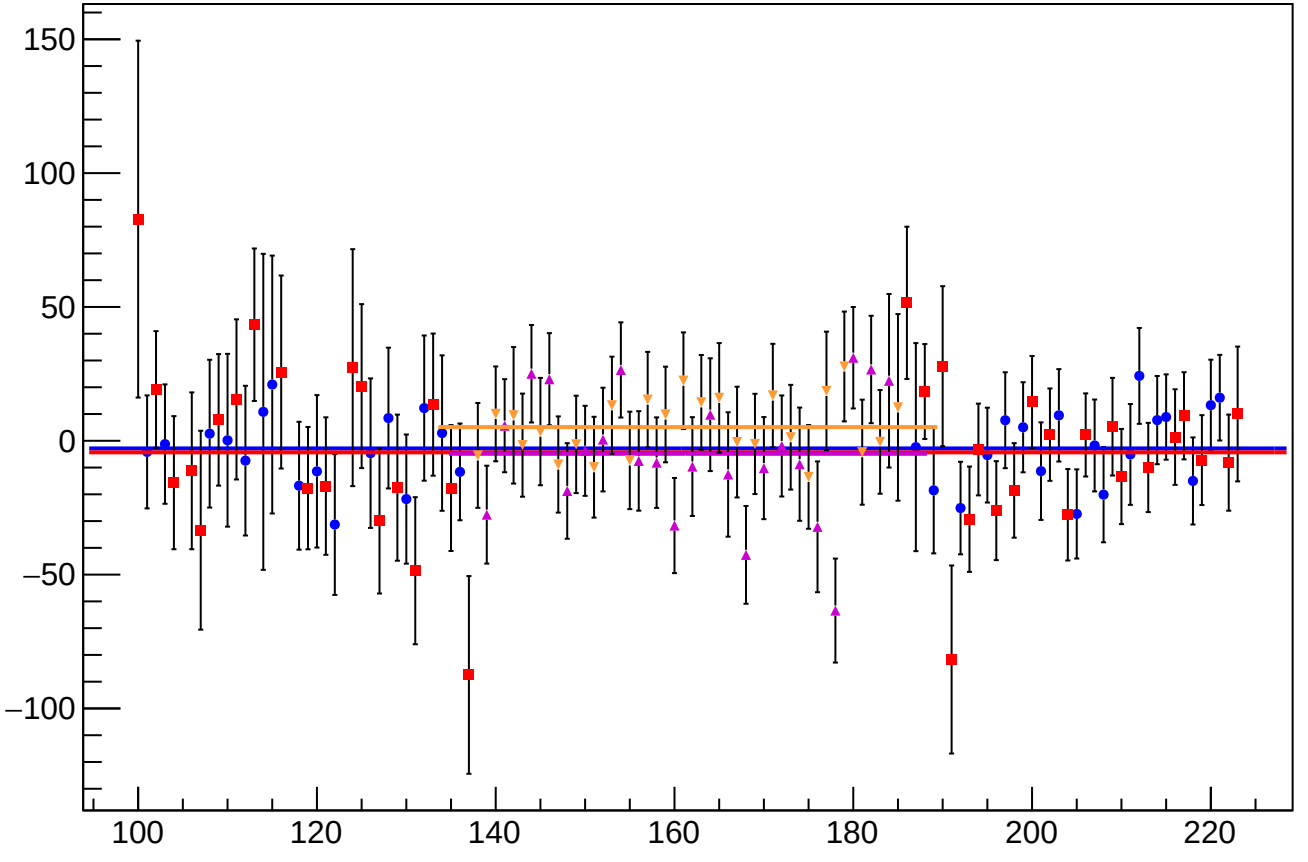
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 183.725+/-0.021 χ^2/NDF: 4599809.1/58

All: 180.050+/-0.015 χ^2/NDF: 9917514.6/120

- sign 176.564+/-0.020 χ^2/NDF: 5258006.9/61

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.855+/-3.538 χ^2/NDF: 16.0/33

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -4.319+/-3.507 χ^2/NDF: 39.6/38

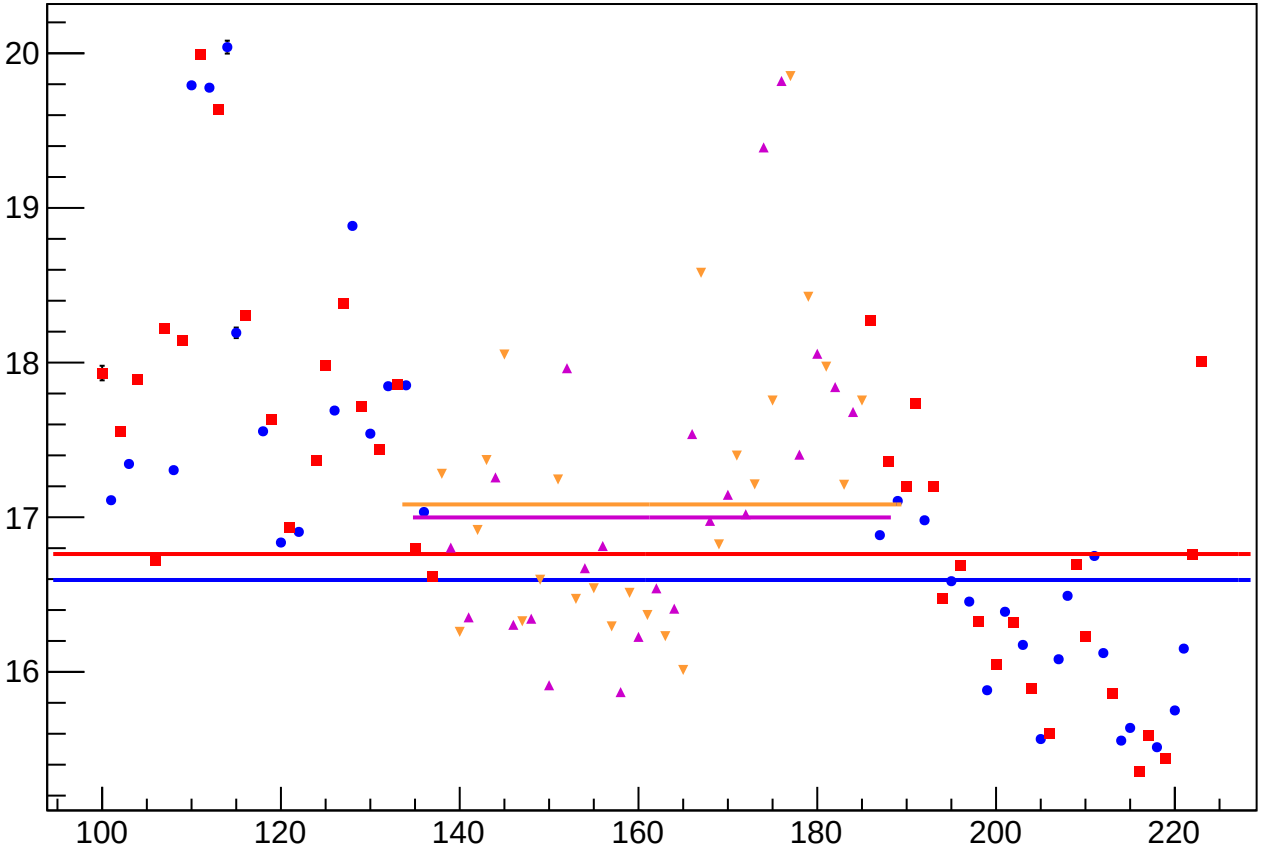
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.755+/-2.618 χ^2/NDF: 26.2/58

All: -1.886+/-1.856 χ^2/NDF: 103.4/120

- sign -4.555+/-2.631 χ^2/NDF: 75.2/61

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.594+/-0.003 χ^2/NDF: 142196.5/33

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

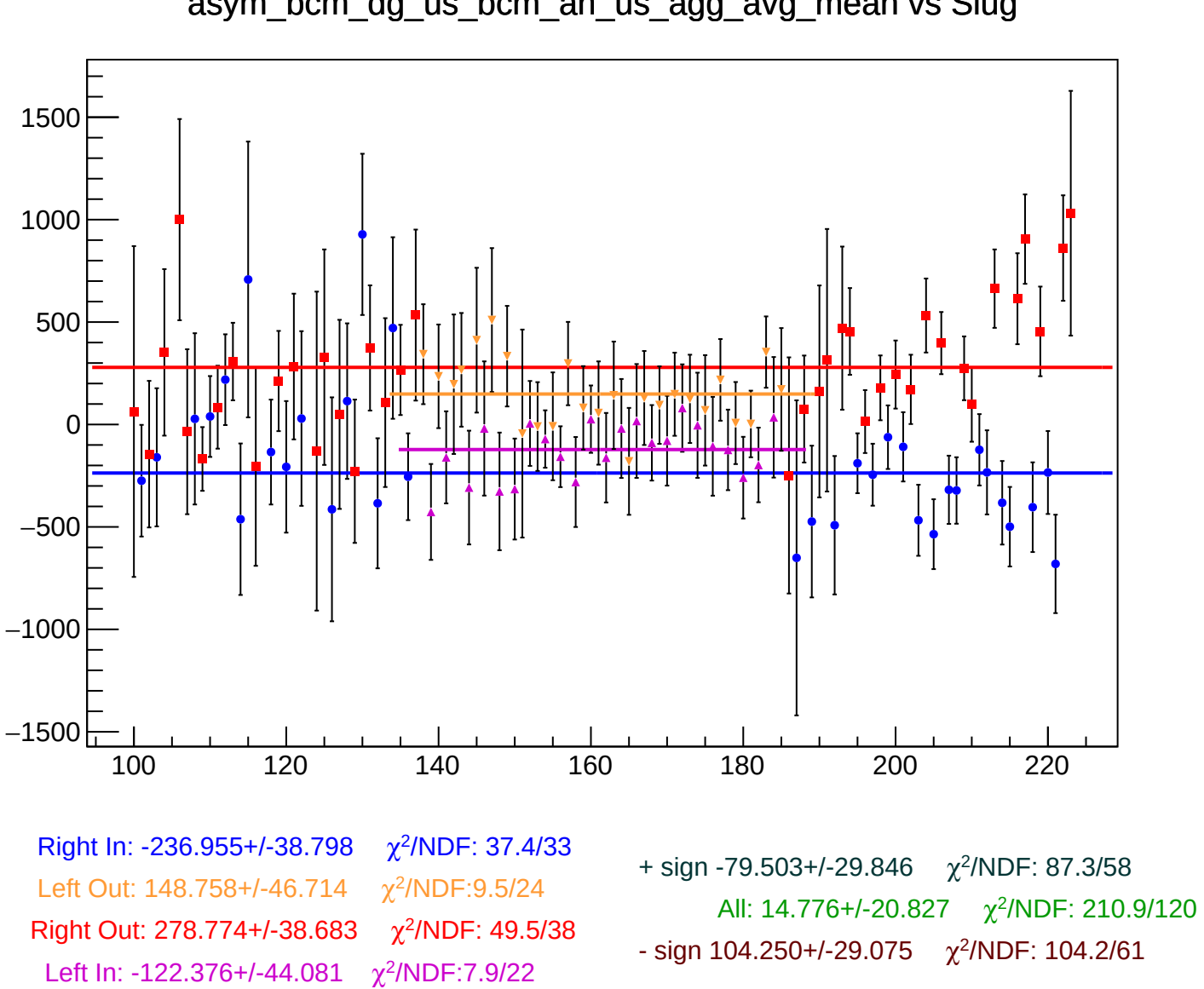
Right Out: 16.762+/-0.002 χ^2/NDF: 166410.0/38

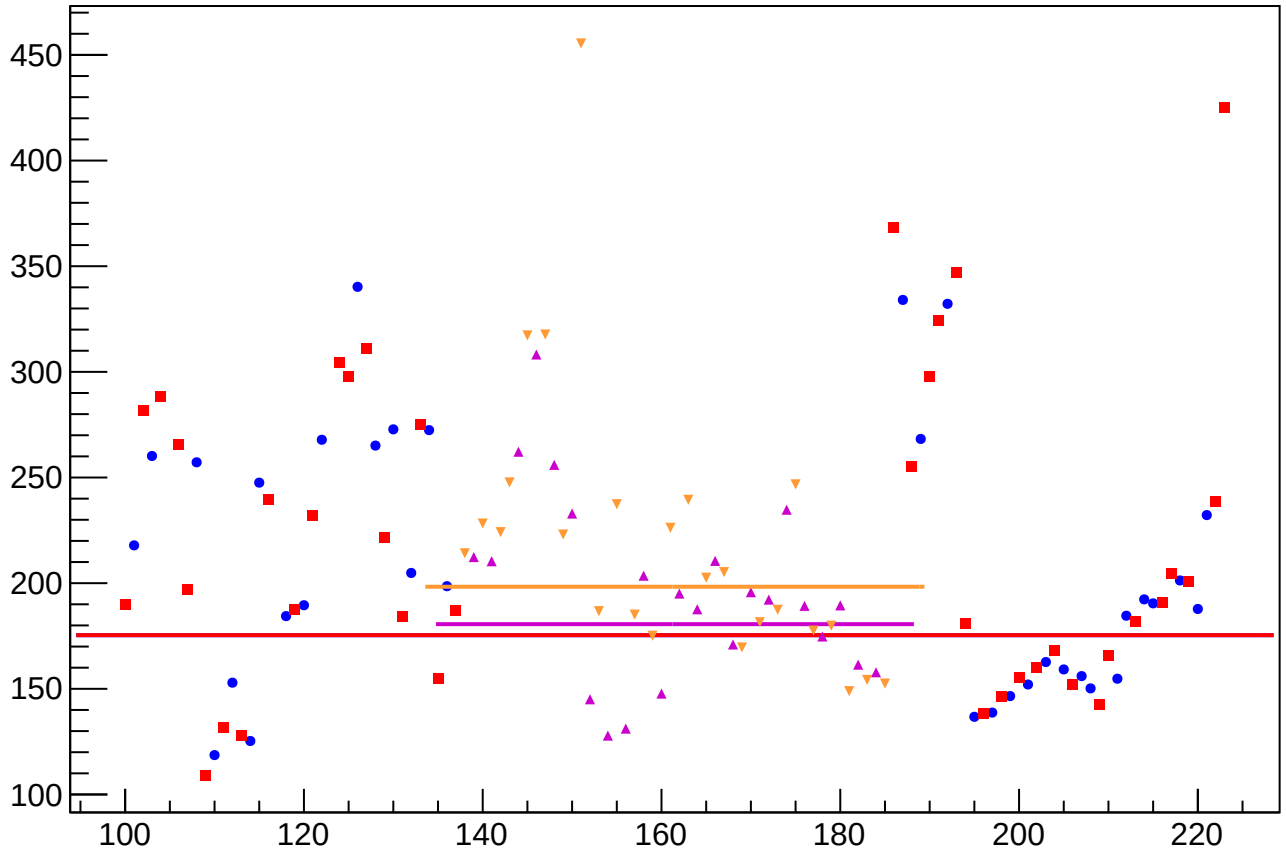
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.815+/-0.002 χ^2/NDF: 256243.7/58

All: 16.840+/-0.001 χ^2/NDF: 531016.1/120

- sign 16.866+/-0.002 χ^2/NDF: 274408.3/61


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -236.955+/-38.798 χ²/NDF: 37.4/33
Left Out: 148.758+/-46.714 χ²/NDF:9.5/24
Right Out: 278.774+/-38.683 χ²/NDF: 49.5/38
Left In: -122.376+/-44.081 χ²/NDF:7.9/22
+ sign -79.503+/-29.846 χ²/NDF: 87.3/58
All: 14.776+/-20.827 χ²/NDF: 210.9/120
- sign 104.250+/-29.075 χ²/NDF: 104.2/61



Right In: 175.375+/-0.027 χ^2/NDF: 2466399.7/33

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

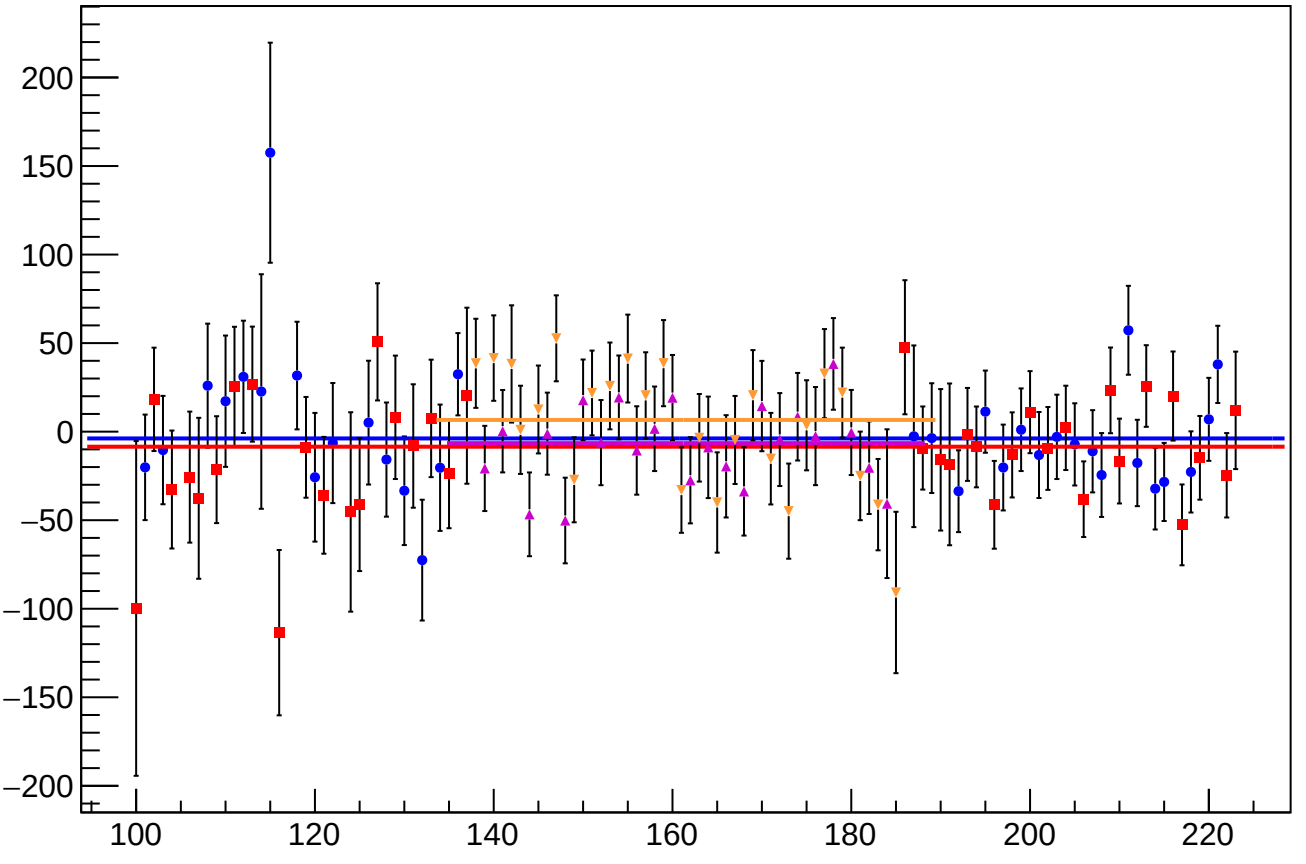
Right Out: 175.405+/-0.027 χ^2/NDF: 3513071.5/38

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 184.739+/-0.021 χ^2/NDF: 4542059.1/58

All: 181.110+/-0.015 χ^2/NDF: 9756537.0/120

- sign 177.666+/-0.021 χ^2/NDF: 5156847.2/61



Right In: -3.831+/-4.716 χ^2/NDF: 36.3/33

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -8.497+/-4.654 χ^2/NDF: 33.4/38

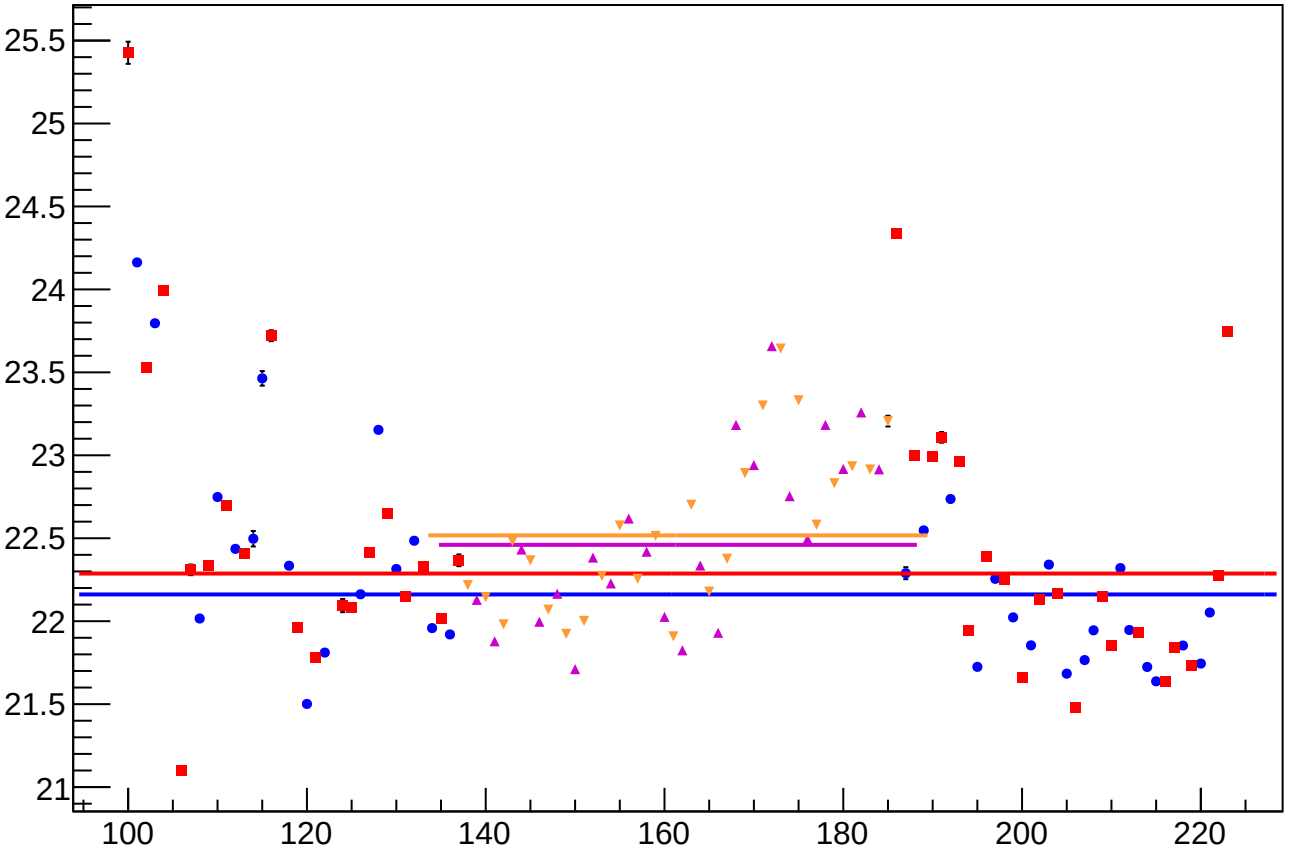
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 0.965+/-3.468 χ^2/NDF: 75.4/58

All: -3.305+/-2.457 χ^2/NDF: 129.4/120

- sign -7.609+/-3.482 χ^2/NDF: 51.0/61

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.161+/-0.003 χ^2/NDF: 27220.7/33

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

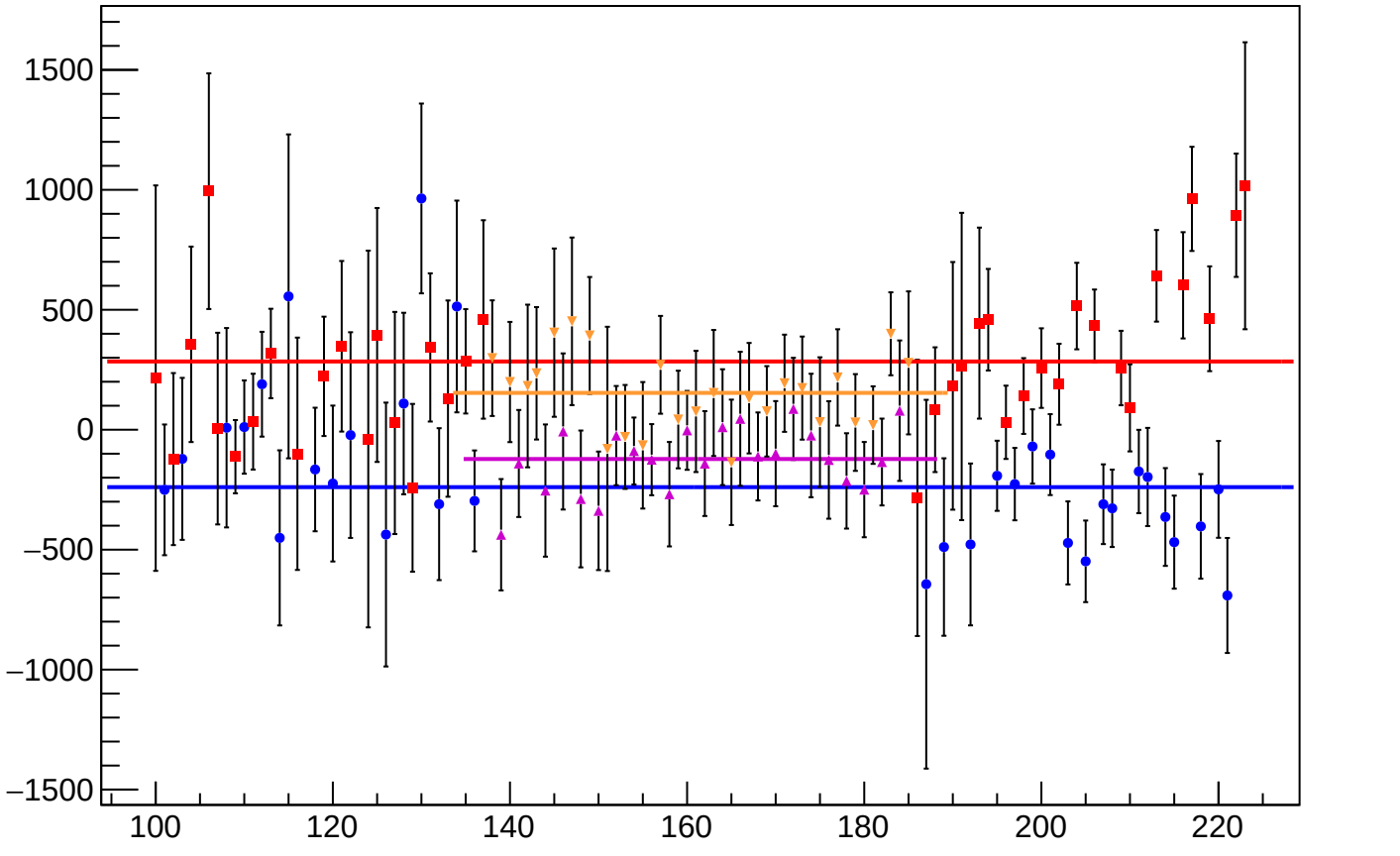
Right Out: 22.287+/-0.003 χ^2/NDF: 40125.7/38

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.325+/-0.002 χ^2/NDF: 48460.5/58

All: 22.344+/-0.002 χ^2/NDF: 109043.2/120

- sign 22.363+/-0.002 χ^2/NDF: 60459.4/61



Right In: -239.397+/-38.687 χ^2/NDF: 36.2/33

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 284.438+/-38.534 χ^2/NDF: 49.4/38

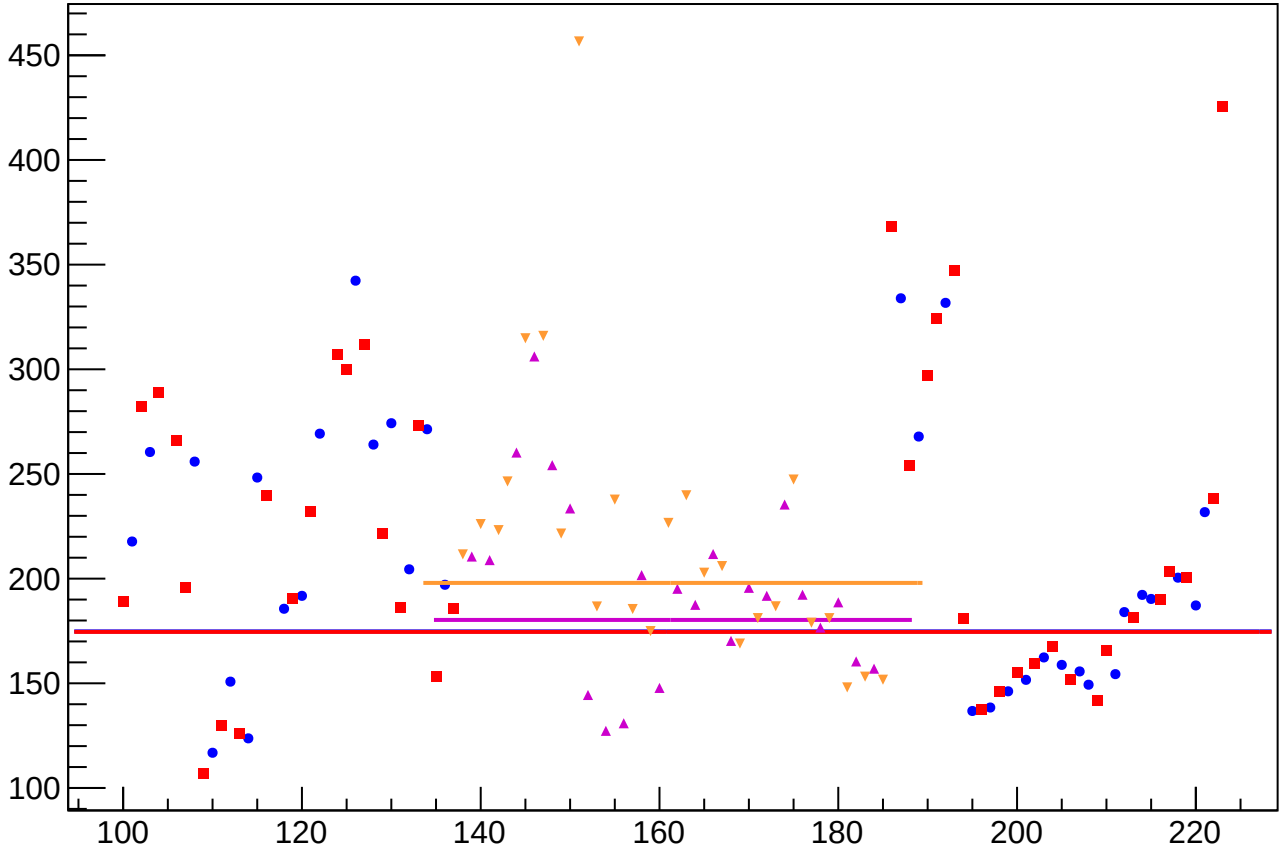
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -79.234+/-29.775 χ^2/NDF: 88.3/58

All: 16.870+/-20.771 χ^2/NDF: 213.7/120

- sign 107.974+/-28.991 χ^2/NDF: 105.2/61

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.799+/-0.027 χ^2/NDF: 2499114.6/33

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

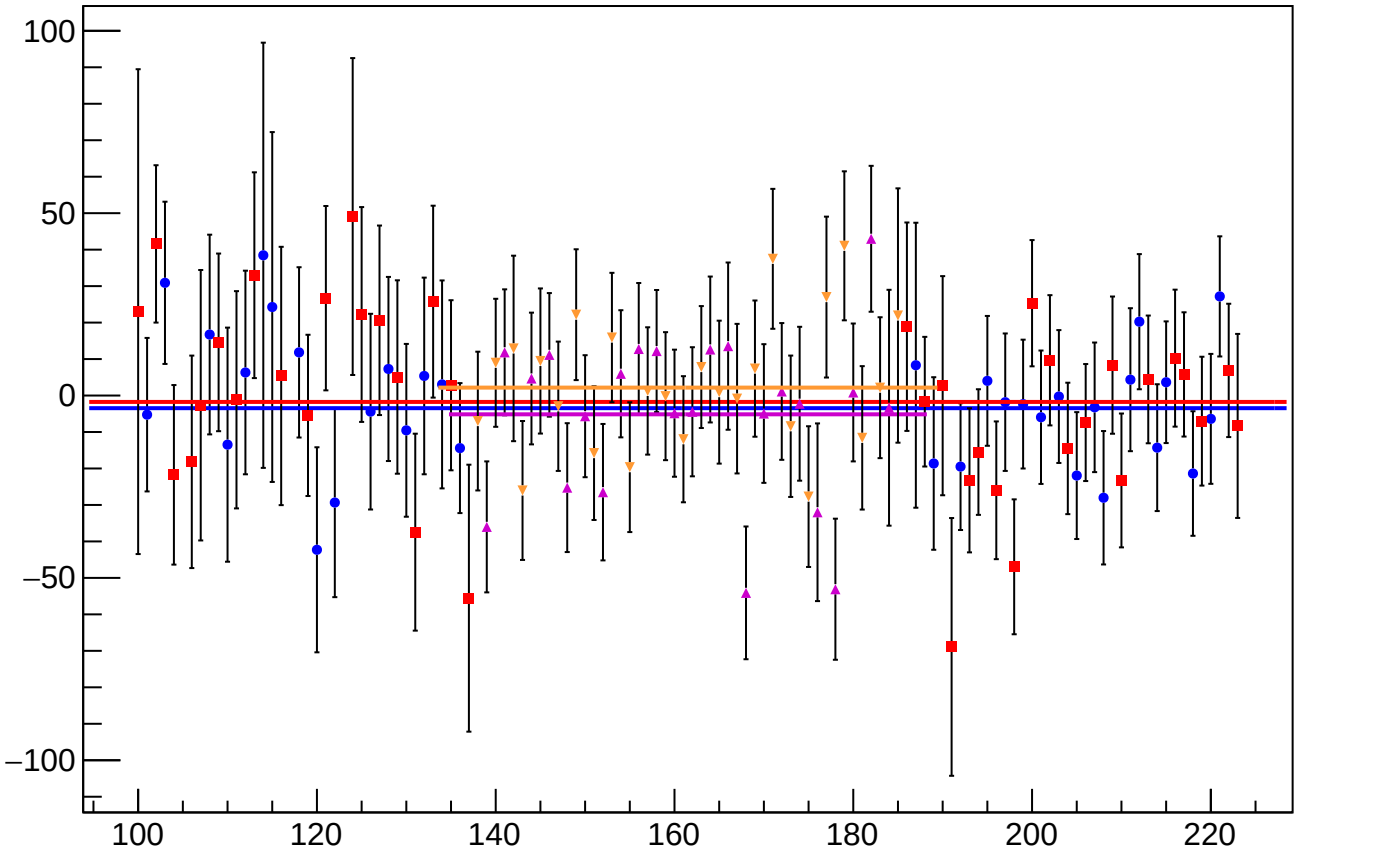
Right Out: 174.557+/-0.027 χ^2/NDF: 3591310.7/38

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 184.239+/-0.021 χ^2/NDF: 4582598.1/58

All: 180.543+/-0.015 χ^2/NDF: 9877748.0/120

- sign 177.038+/-0.020 χ^2/NDF: 5235099.9/61



Right In: -3.466+/-3.609 χ^2/NDF: 19.6/33

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -1.752+/-3.560 χ^2/NDF: 36.2/38

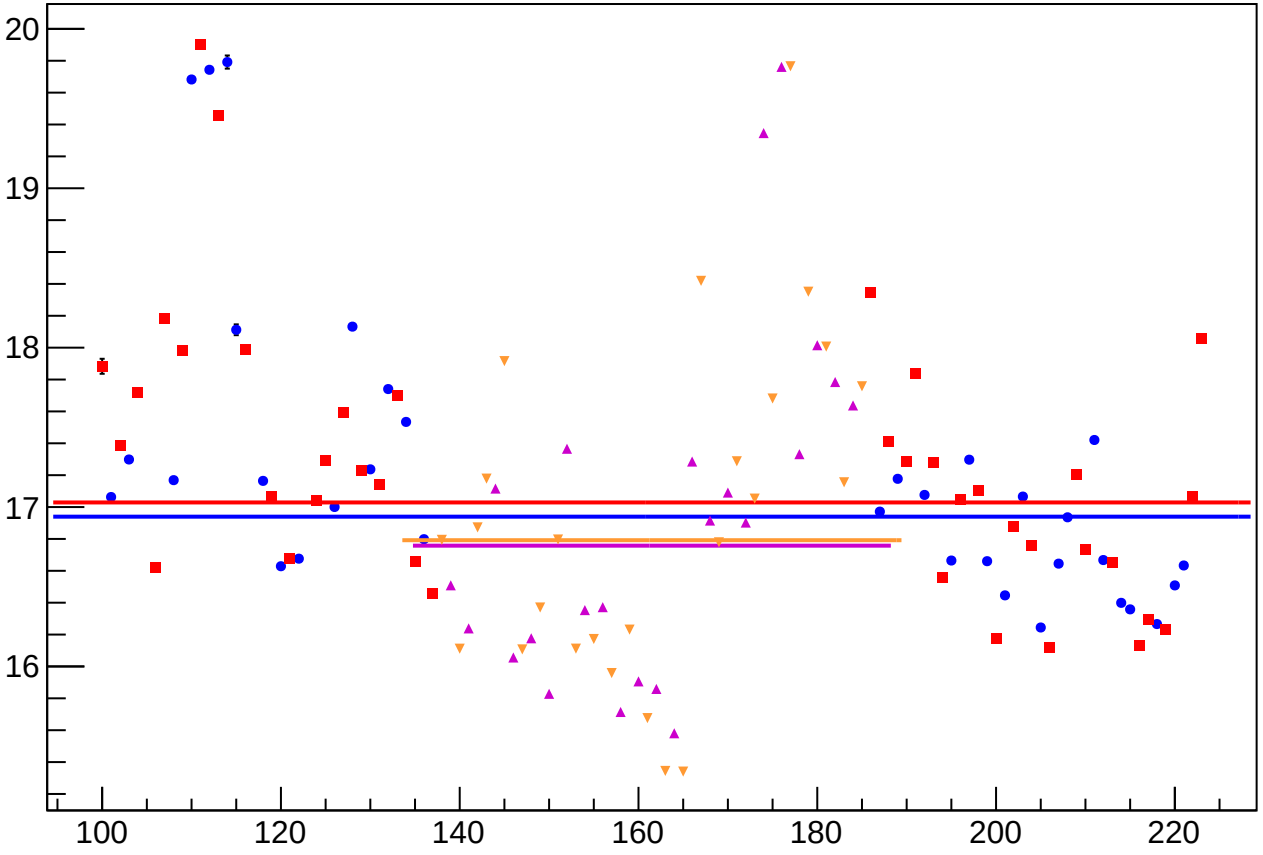
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.810+/-2.625 χ^2/NDF: 40.7/58

All: -2.043+/-1.860 χ^2/NDF: 110.1/120

- sign -3.286+/-2.637 χ^2/NDF: 68.9/61

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 16.940+/-0.003 χ^2/NDF: 67978.7/33

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

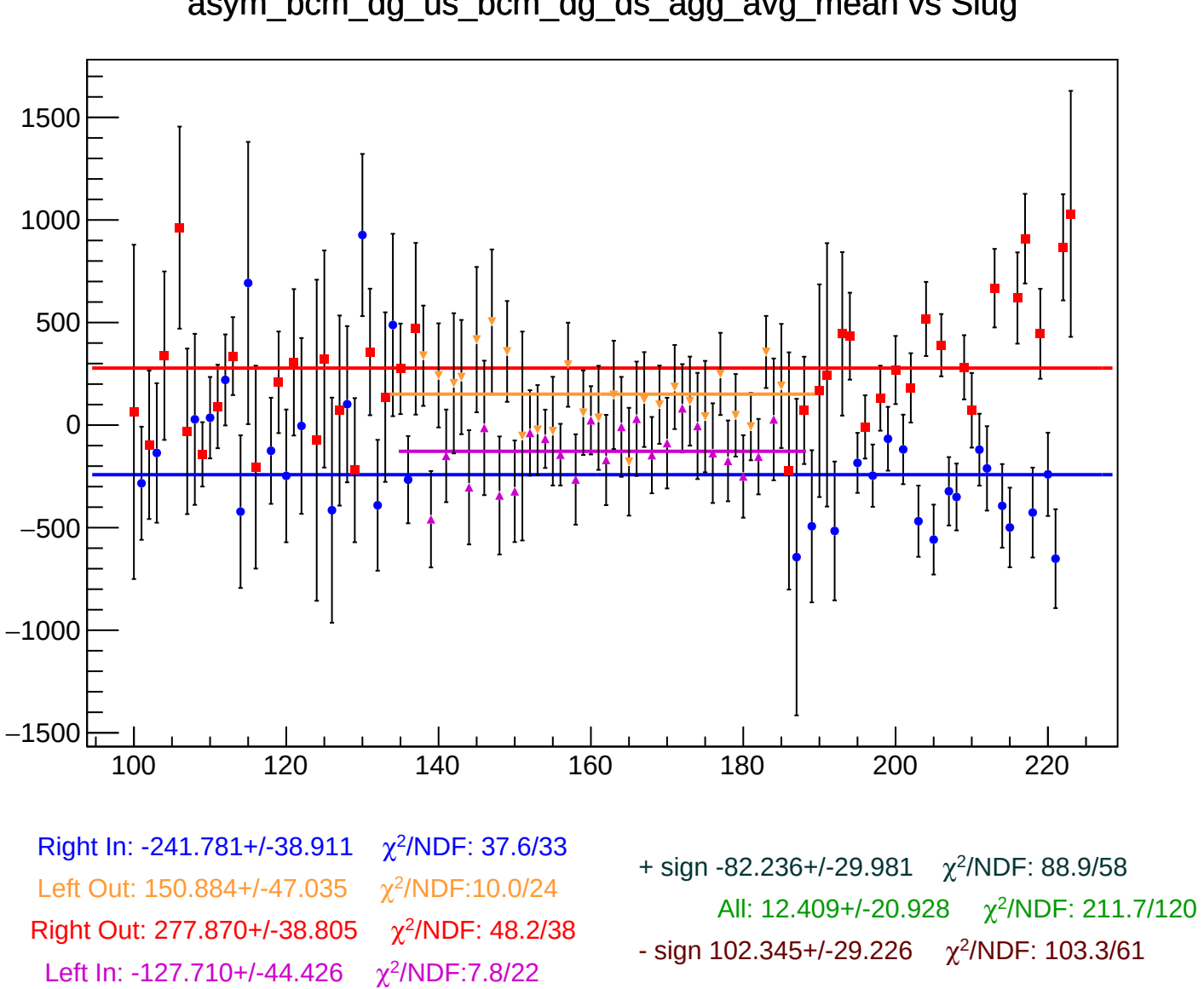
Right Out: 17.029+/-0.003 χ^2/NDF: 84055.4/38

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

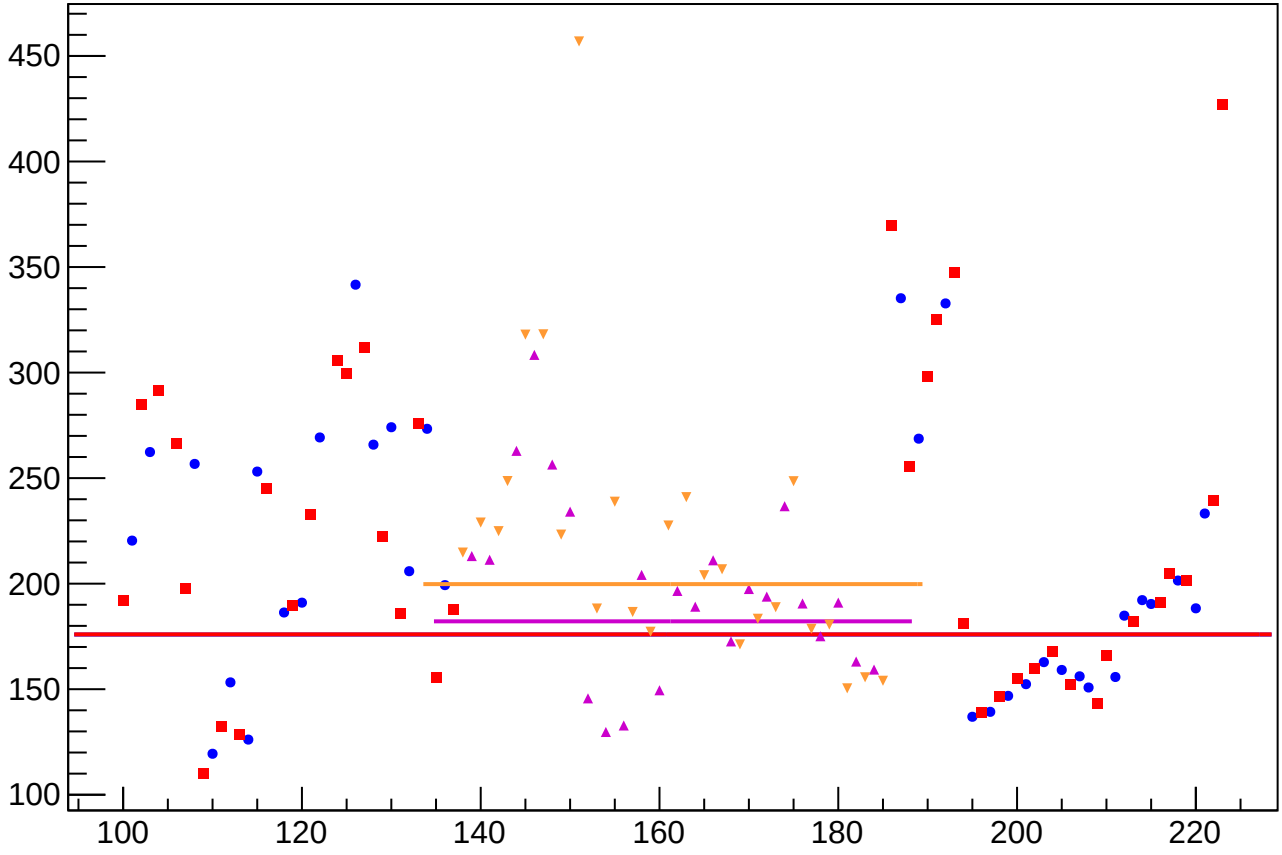
\+ sign 16.870+/-0.002 χ^2/NDF: 206557.4/58

All: 16.888+/-0.001 χ^2/NDF: 419346.9/120

\- sign 16.907+/-0.002 χ^2/NDF: 212598.2/61


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -241.781+/-38.911 χ²/NDF: 37.6/33
Left Out: 150.884+/-47.035 χ²/NDF:10.0/24
Right Out: 277.870+/-38.805 χ²/NDF: 48.2/38
Left In: -127.710+/-44.426 χ²/NDF:7.8/22
+ sign -82.236+/-29.981 χ²/NDF: 88.9/58
All: 12.409+/-20.928 χ²/NDF: 211.7/120
- sign 102.345+/-29.226 χ²/NDF: 103.3/61

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.884+/-0.028 χ^2/NDF: 2473081.4/33

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 175.977+/-0.027 χ^2/NDF: 3515674.2/38

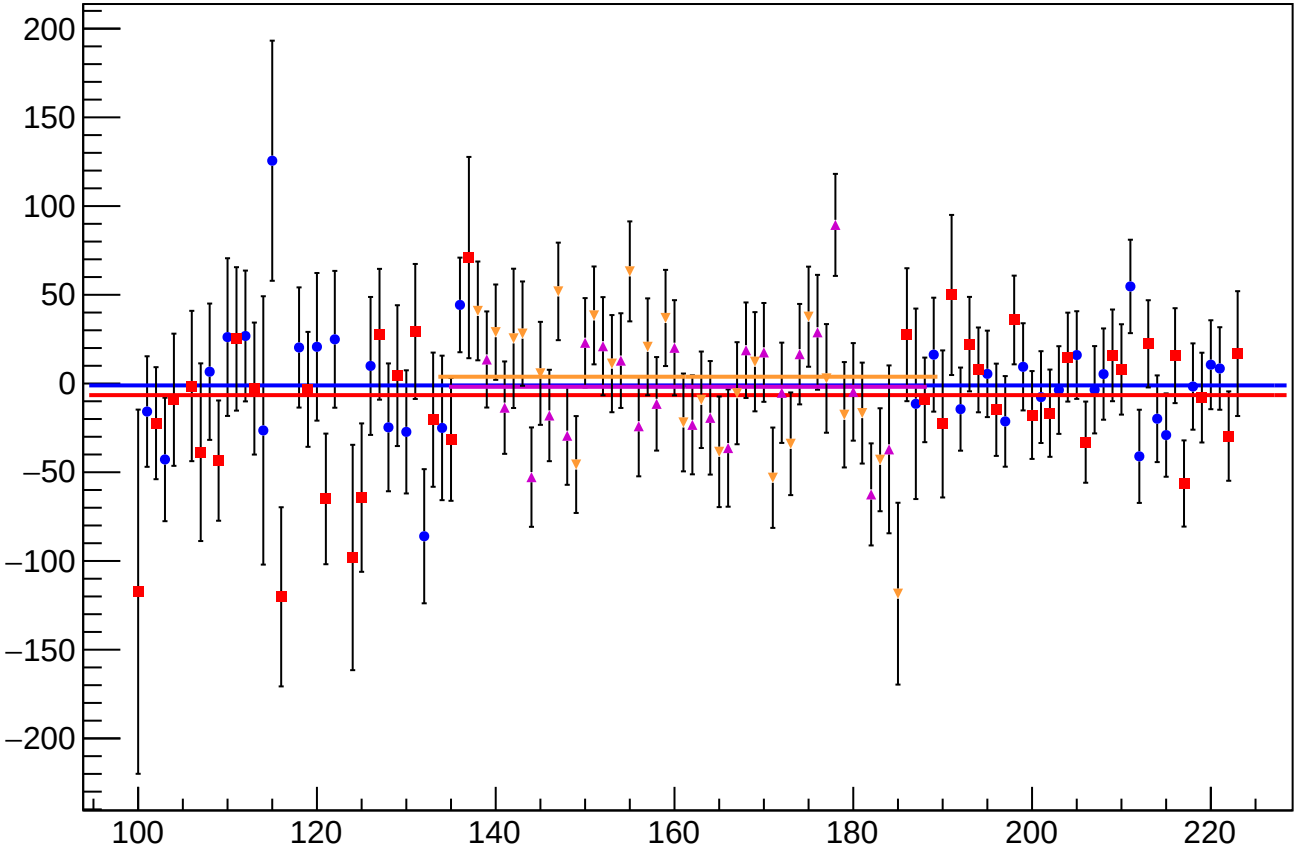
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 185.595+/-0.021 χ^2/NDF: 4539996.6/58

All: 182.033+/-0.015 χ^2/NDF: 9716987.8/120

- sign 178.649+/-0.021 χ^2/NDF: 5121935.4/61

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.064+/-5.081 χ^2/NDF: 28.1/33

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

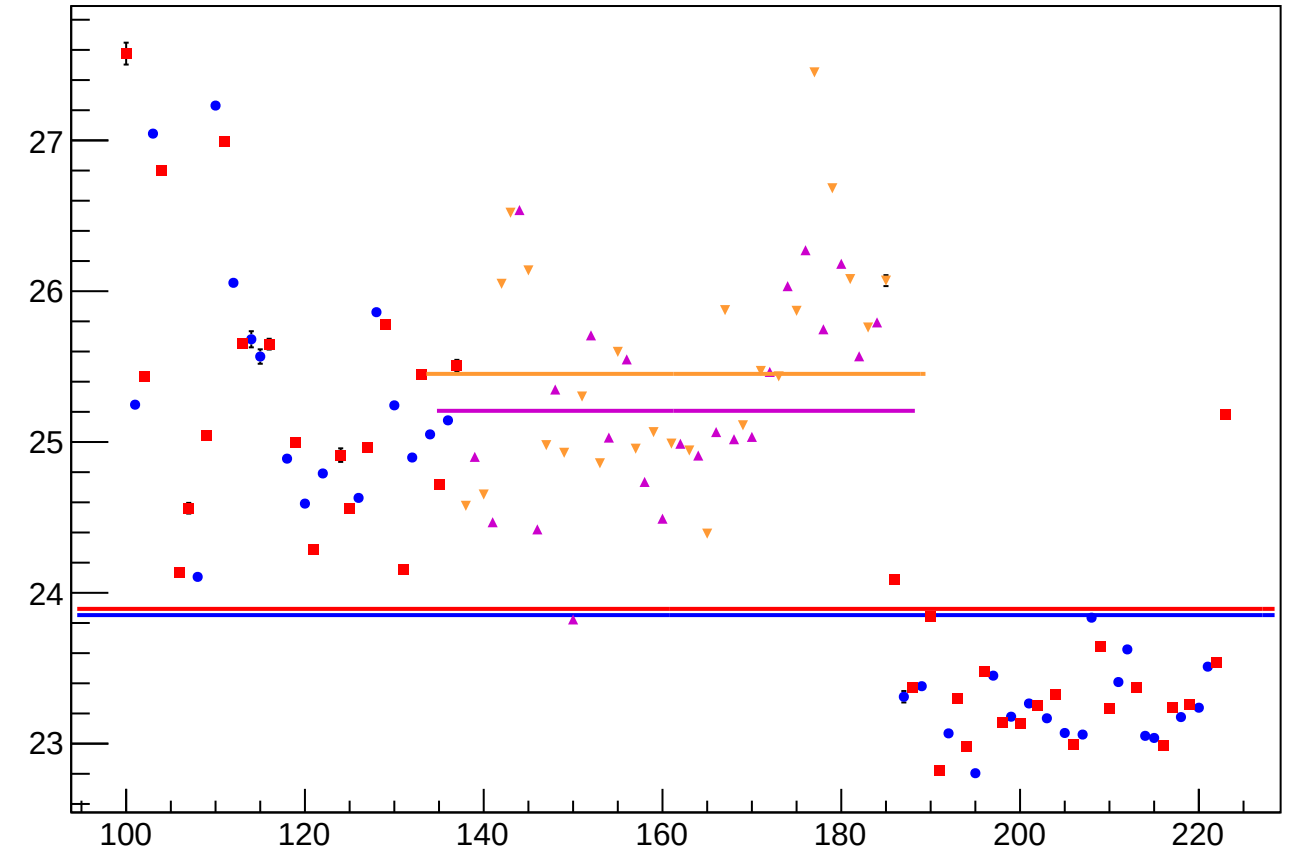
Right Out: -6.541+/-4.993 χ^2/NDF: 37.7/38

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.066+/-3.819 χ^2/NDF: 66.2/58

All: -1.764+/-2.697 χ^2/NDF: 133.4/120

- sign -4.580+/-3.810 χ^2/NDF: 66.2/61



Right In: 23.852+/-0.004 χ^2/NDF: 87650.4/33

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

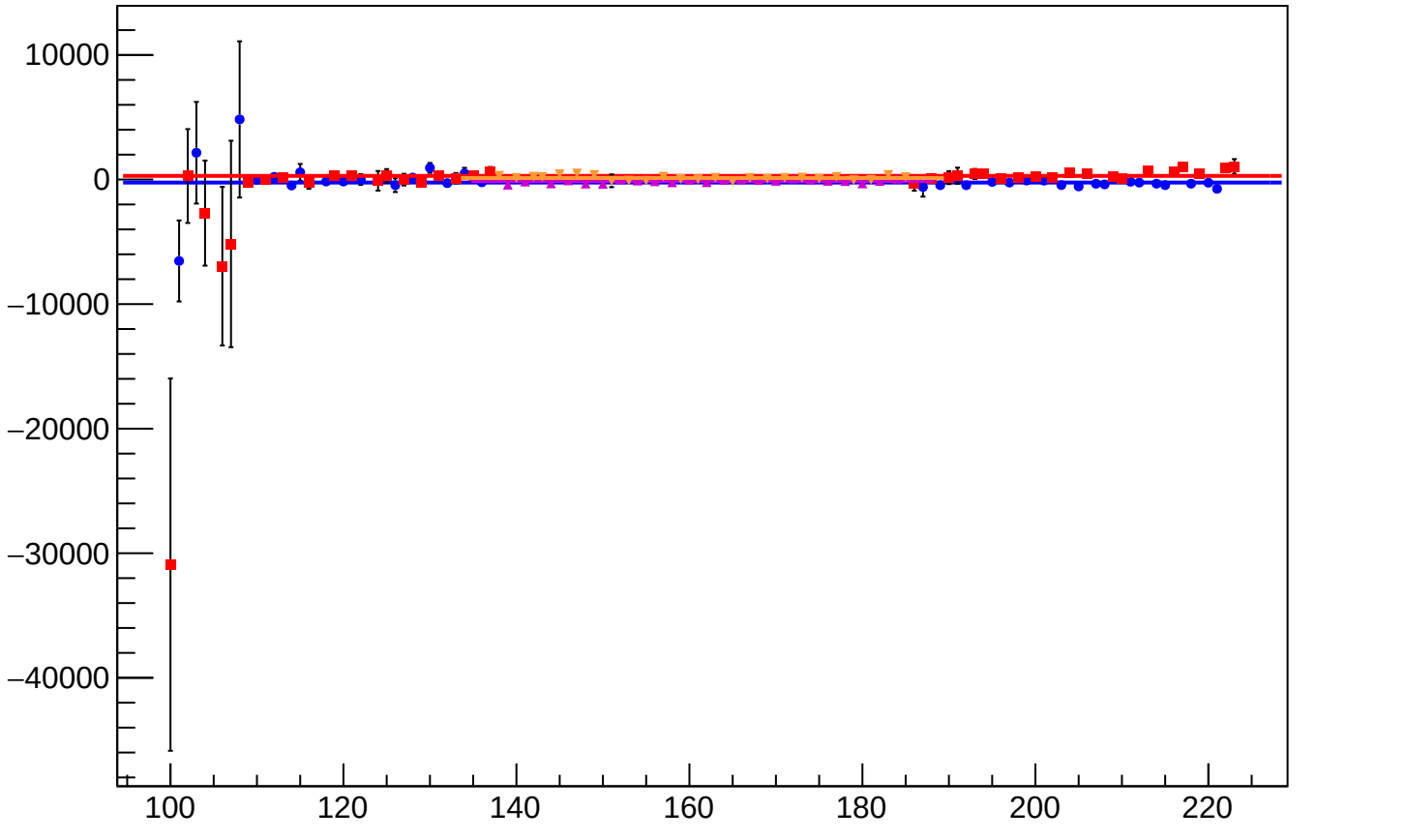
Right Out: 23.894+/-0.004 χ^2/NDF: 83144.6/38

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.548+/-0.003 χ^2/NDF: 203512.7/58

All: 24.495+/-0.002 χ^2/NDF: 371066.0/120

- sign 24.442+/-0.003 χ^2/NDF: 166781.5/61



Right In: -240.584+/-40.432 χ^2/NDF: 39.5/33

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

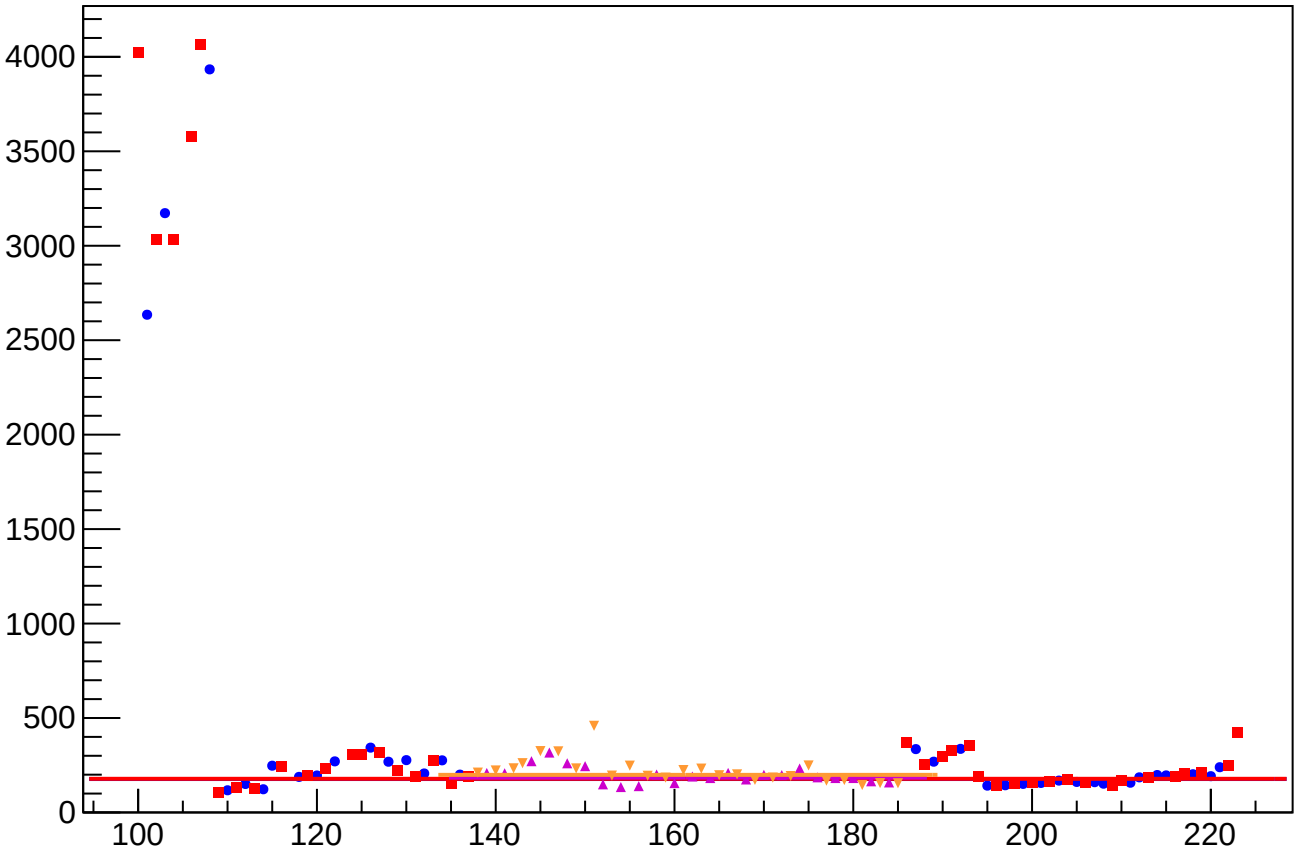
Right Out: 295.483+/-40.766 χ^2/NDF: 54.3/38

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -84.747+/-30.631 χ^2/NDF: 85.5/58

All: 13.501+/-21.496 χ^2/NDF: 214.4/120

- sign 108.838+/-30.173 χ^2/NDF: 108.7/61



Right In: 176.960+/-0.029 χ^2/NDF: 5115484.4/33

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

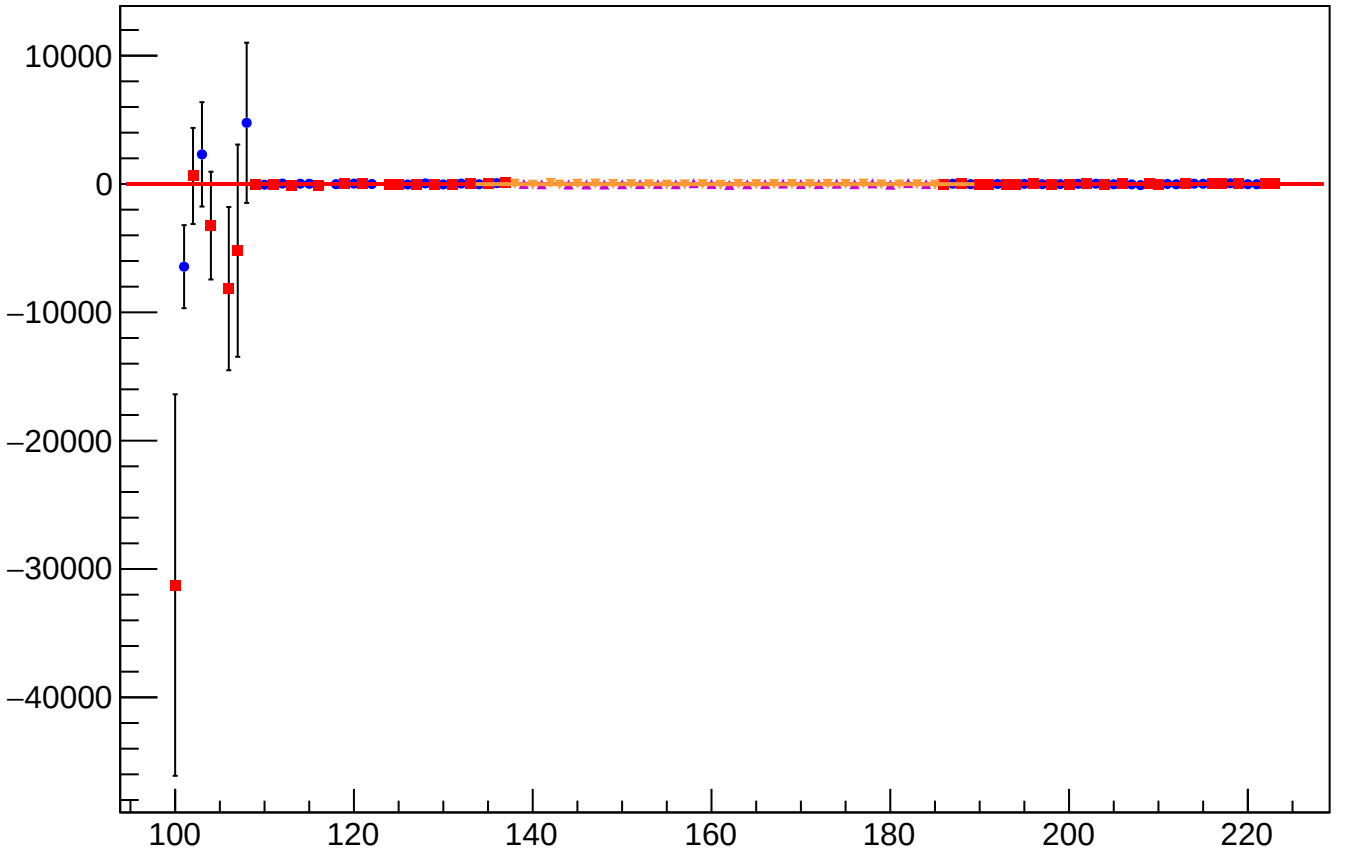
Right Out: 178.100+/-0.029 χ^2/NDF: 6180744.1/38

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 186.348+/-0.022 χ^2/NDF: 7270714.1/58

All: 183.608+/-0.015 χ^2/NDF: 14950901.6/12

- sign 180.948+/-0.021 χ^2/NDF: 7648639.7/61



Right In: -0.436+/-6.088 χ^2/NDF: 35.0/33

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 0.697+/-6.071 χ^2/NDF: 48.0/38

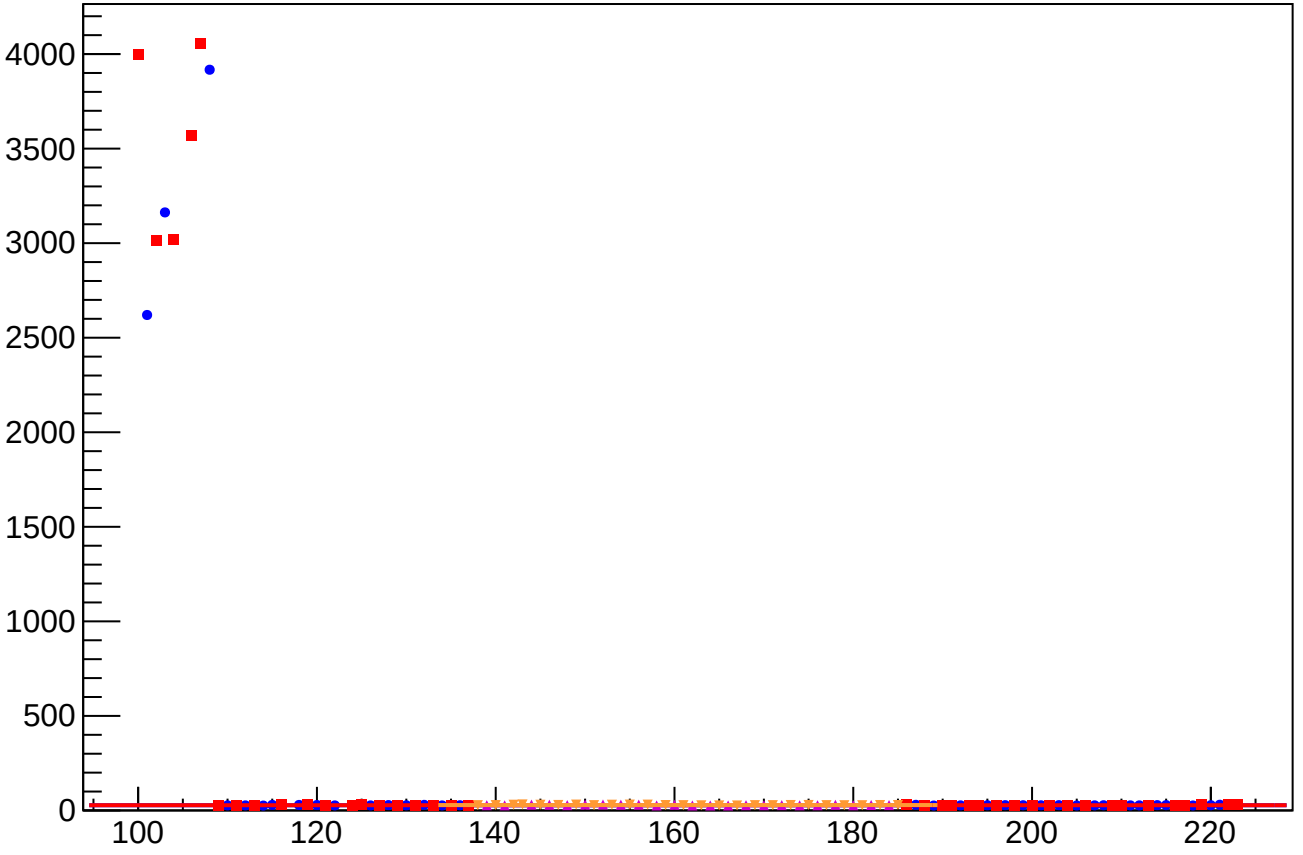
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -7.148+/-4.447 χ^2/NDF: 59.8/58

All: -3.911+/-3.163 χ^2/NDF: 137.3/120

- sign -0.596+/-4.500 χ^2/NDF: 76.4/61

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.499+/-0.004 χ^2/NDF: 3304056.1/33

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.664+/-0.004 χ^2/NDF: 3672489.7/38

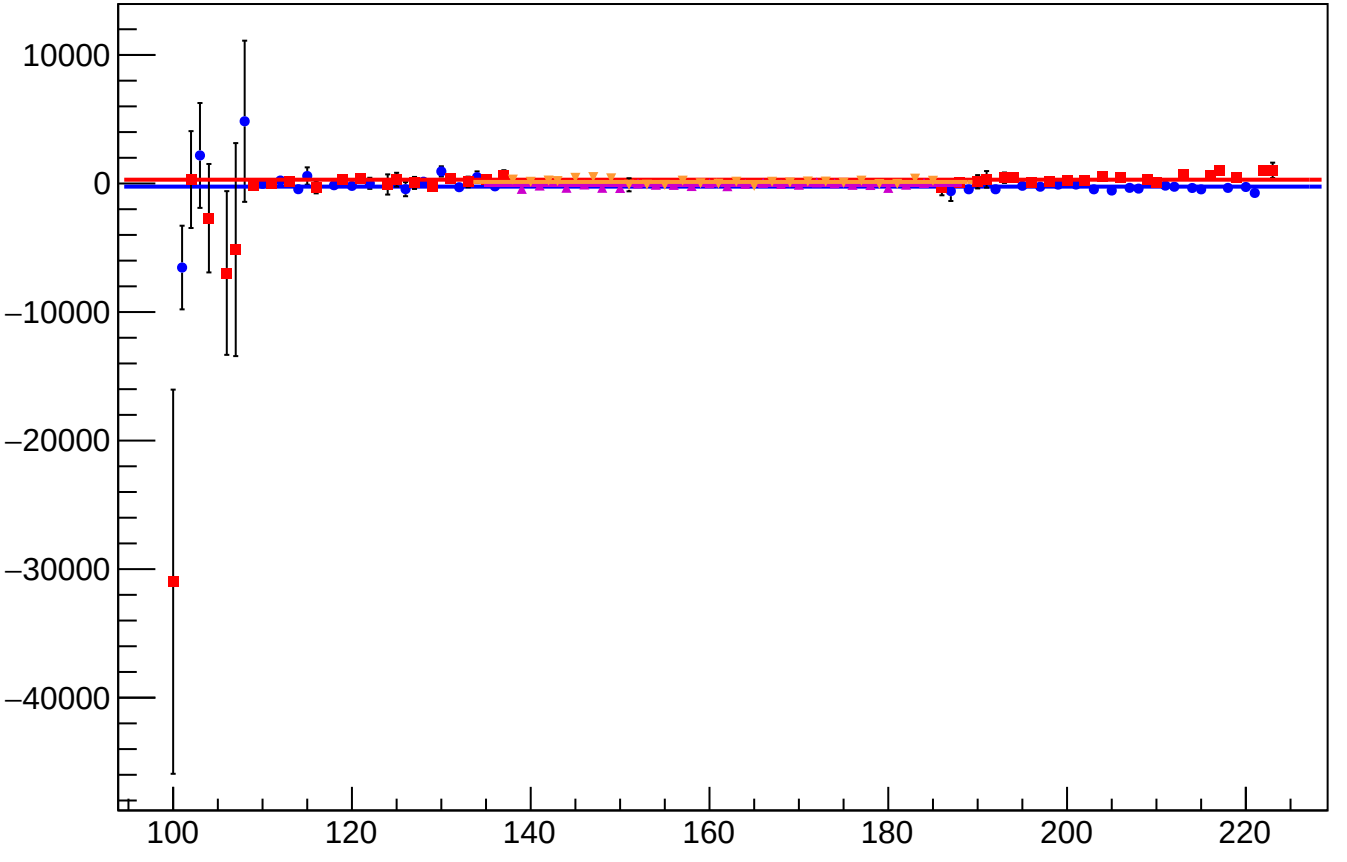
Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.006+/-0.003 χ^2/NDF: 3421895.7/58

All: 28.047+/-0.002 χ^2/NDF: 7239348.9/120

- sign 28.088+/-0.003 χ^2/NDF: 3817114.4/61

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -242.751+/-40.315 χ^2/NDF: 40.1/33

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 296.626+/-40.653 χ^2/NDF: 55.6/38

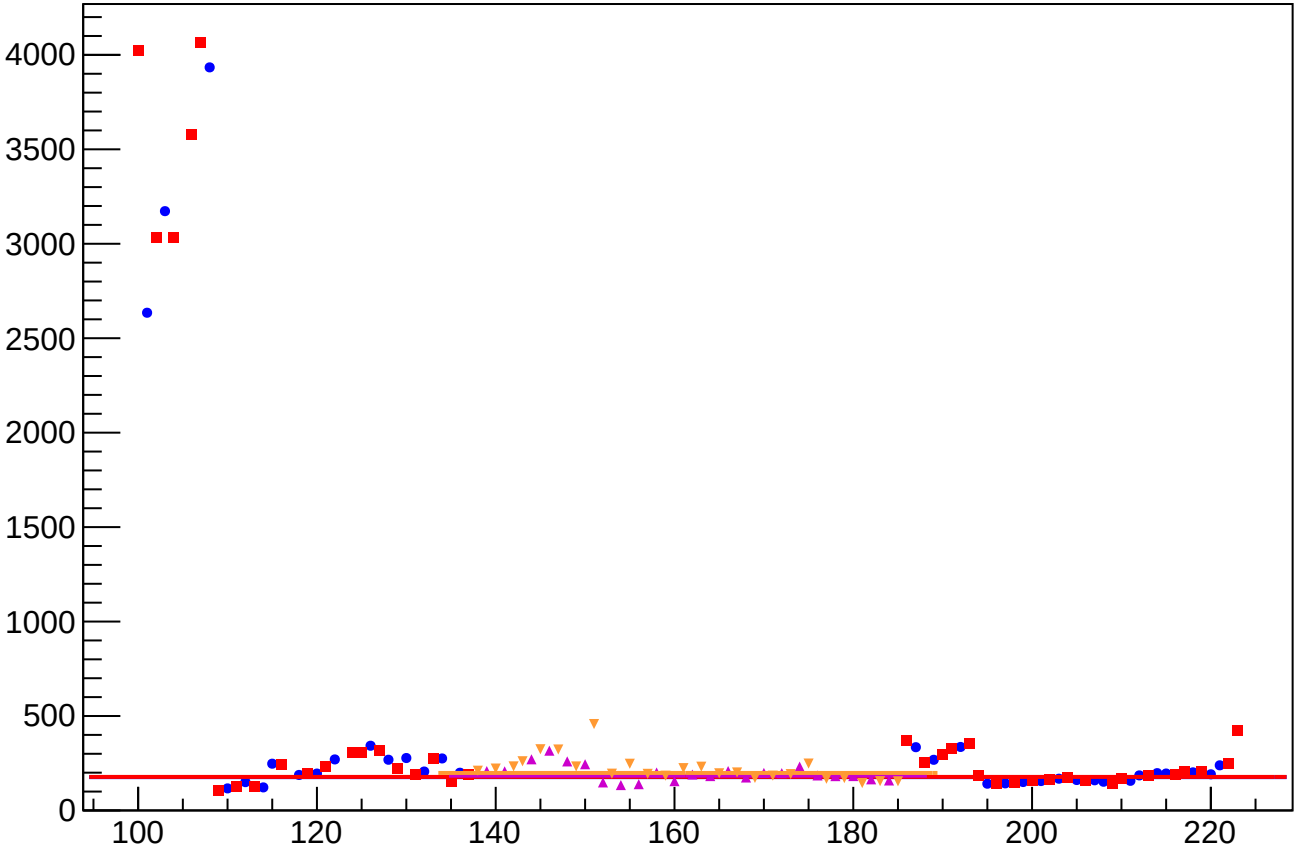
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -87.509+/-30.552 χ^2/NDF: 86.9/58

All: 12.770+/-21.442 χ^2/NDF: 218.7/120

- sign 110.116+/-30.101 χ^2/NDF: 110.6/61

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 176.412+/-0.029 χ^2/NDF: 5129681.4/33

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

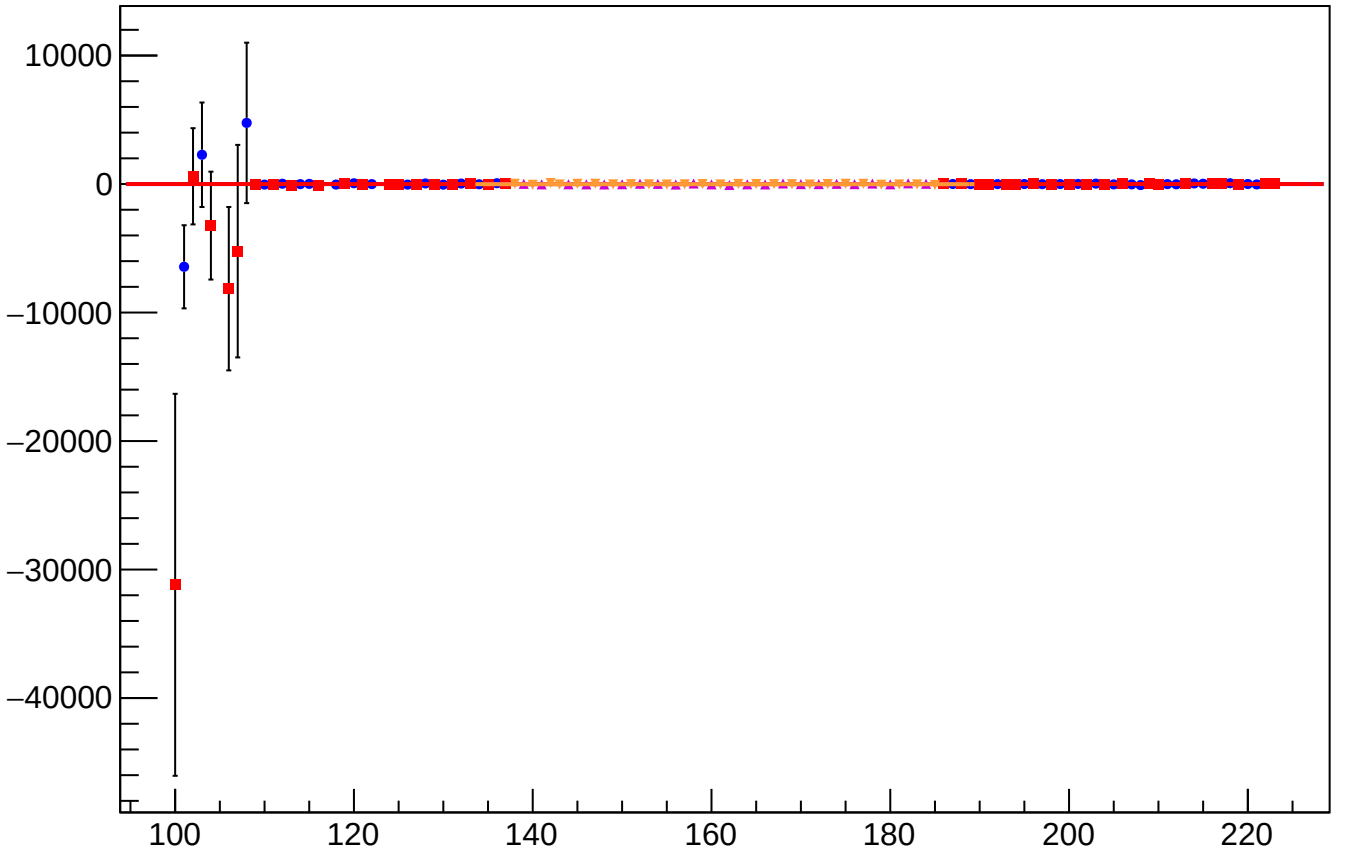
Right Out: 177.558+/-0.029 χ^2/NDF: 6202501.0/38

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 185.845+/-0.022 χ^2/NDF: 7288386.3/58

All: 183.129+/-0.015 χ^2/NDF: 14990529.2/12

- sign 180.491+/-0.021 χ^2/NDF: 7670973.3/61



Right In: 0.545+/-6.048 χ^2/NDF: 39.2/33

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -0.457+/-6.039 χ^2/NDF: 45.6/38

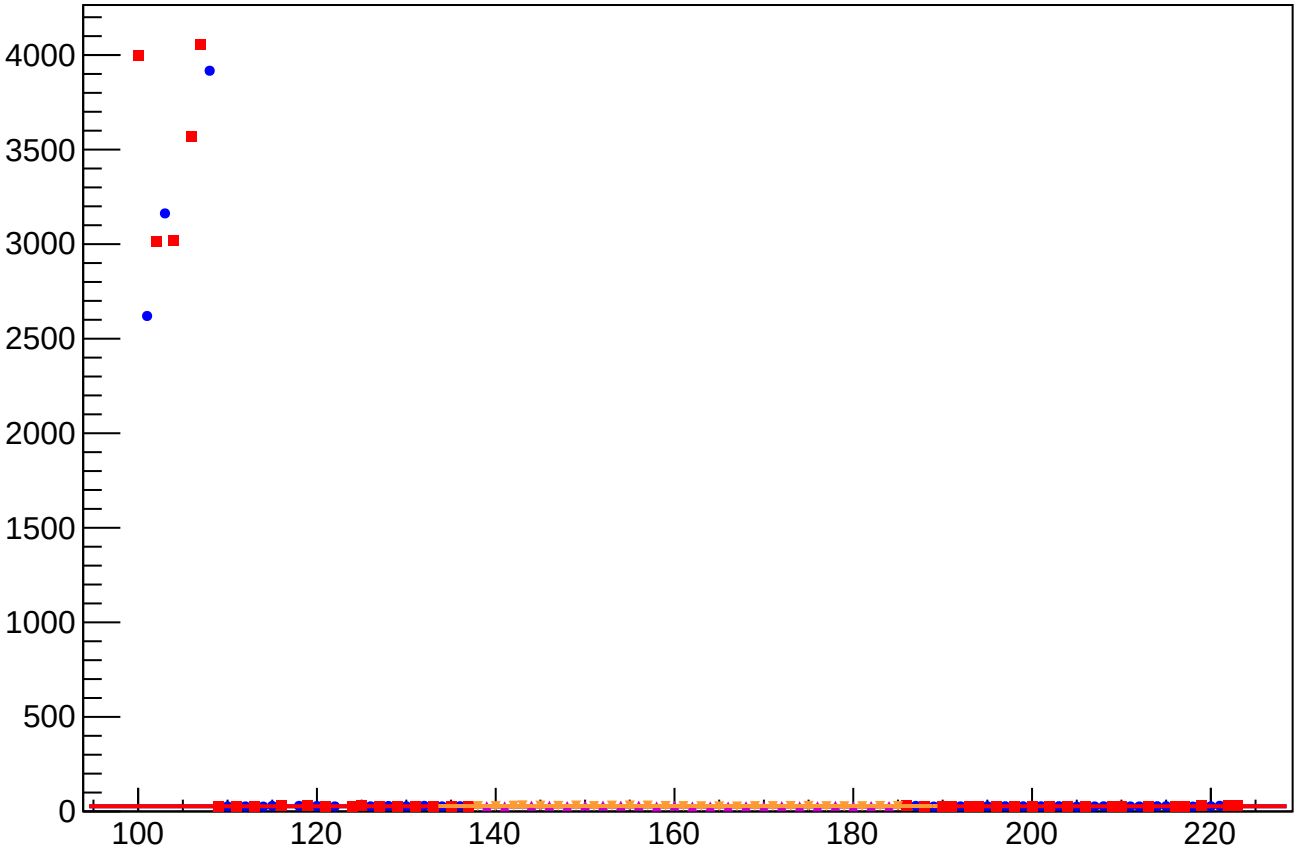
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -5.174+/-4.441 χ^2/NDF: 59.0/58

All: -3.311+/-3.159 χ^2/NDF: 127.2/120

- sign -1.402+/-4.496 χ^2/NDF: 67.8/61

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.317+/-0.004 χ^2/NDF: 3312689.9/33

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

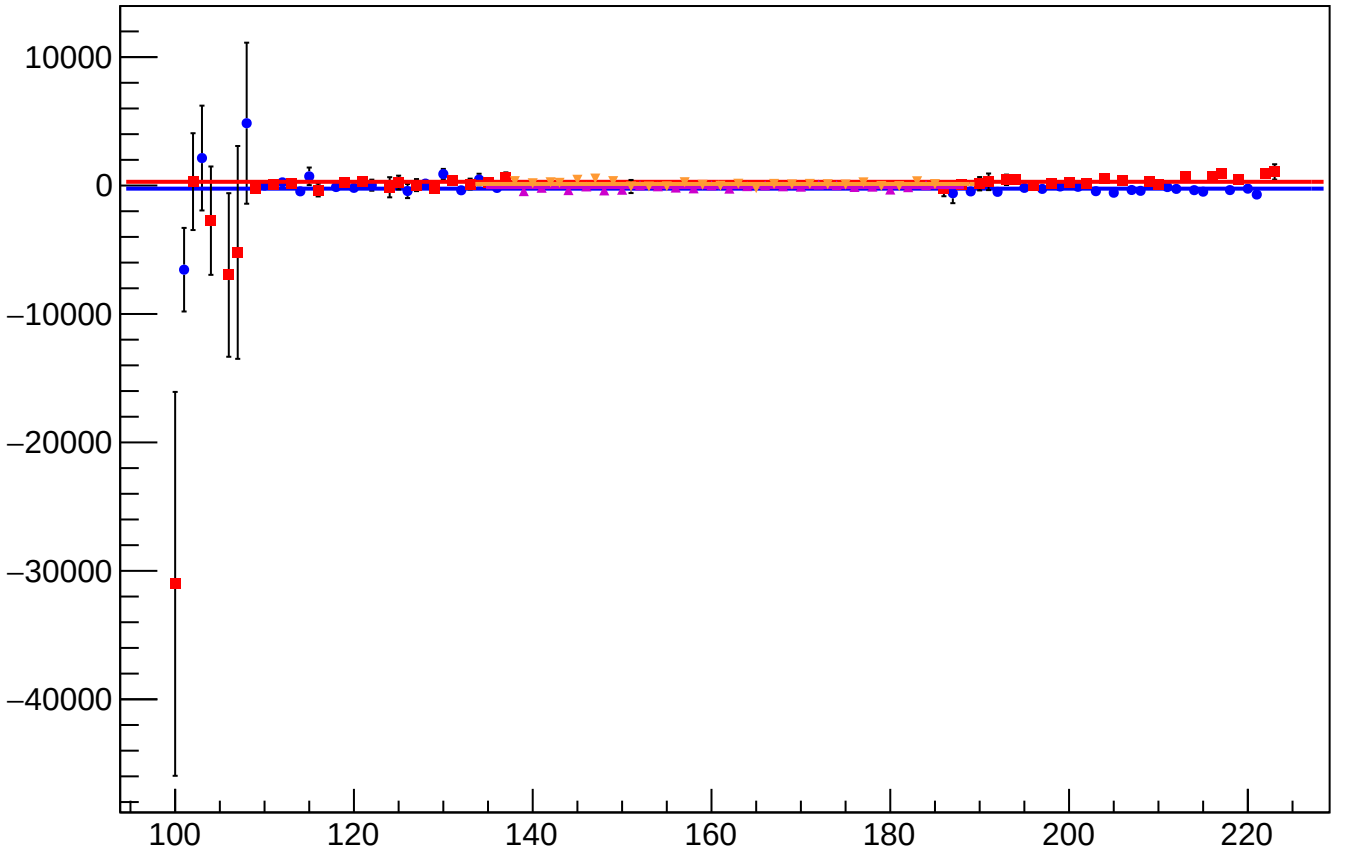
Right Out: 27.517+/-0.004 χ^2/NDF: 3678956.0/38

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.958+/-0.003 χ^2/NDF: 3460247.4/58

All: 28.007+/-0.002 χ^2/NDF: 7302909.7/120

\- sign 28.057+/-0.003 χ^2/NDF: 3842173.7/61



Right In: -242.008+/-40.603 χ^2/NDF: 40.9/33

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 290.805+/-40.956 χ^2/NDF: 52.5/38

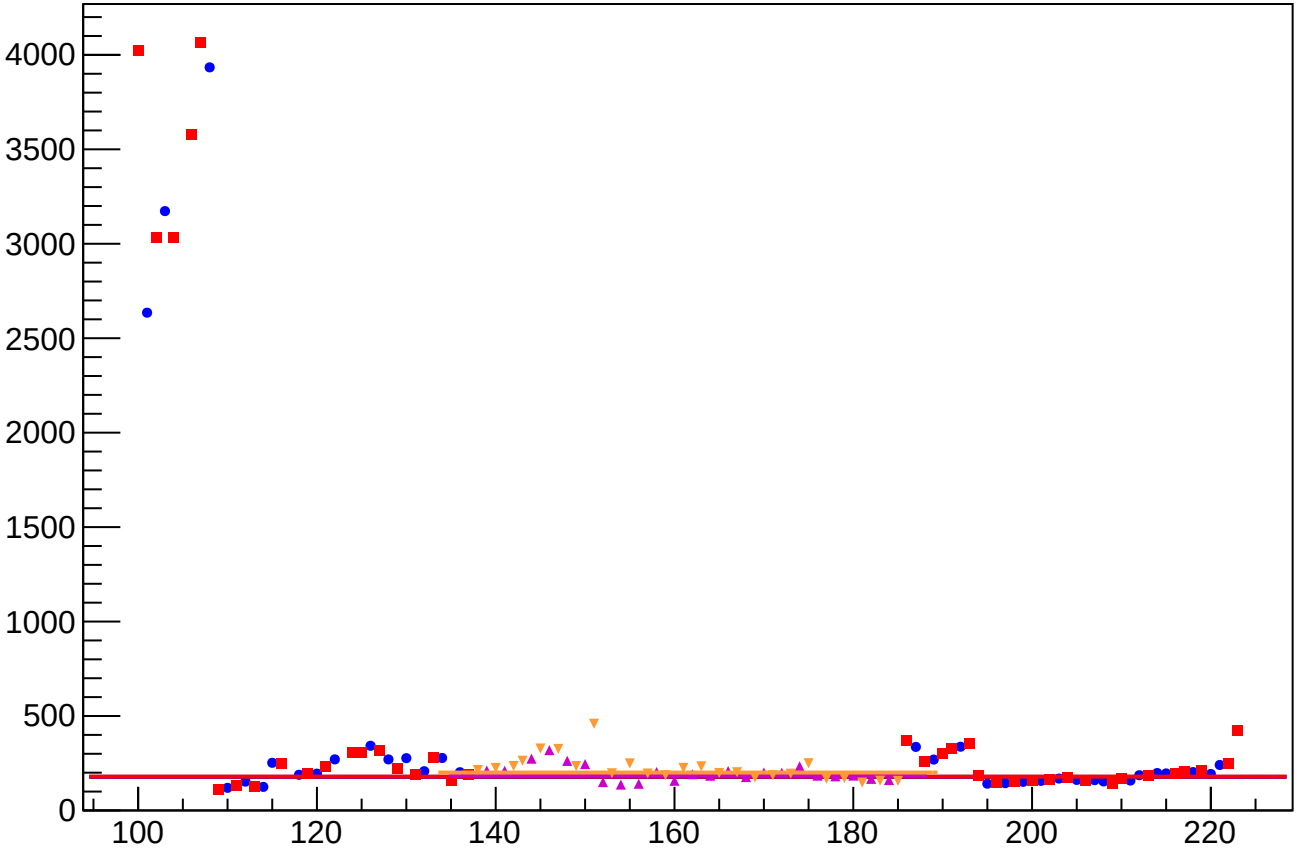
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -87.208+/-30.809 χ^2/NDF: 86.5/58

All: 10.032+/-21.629 χ^2/NDF: 213.0/120

- sign 104.529+/-30.371 χ^2/NDF: 106.9/61

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 177.774+/-0.029 χ^2/NDF: 5092640.1/33

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

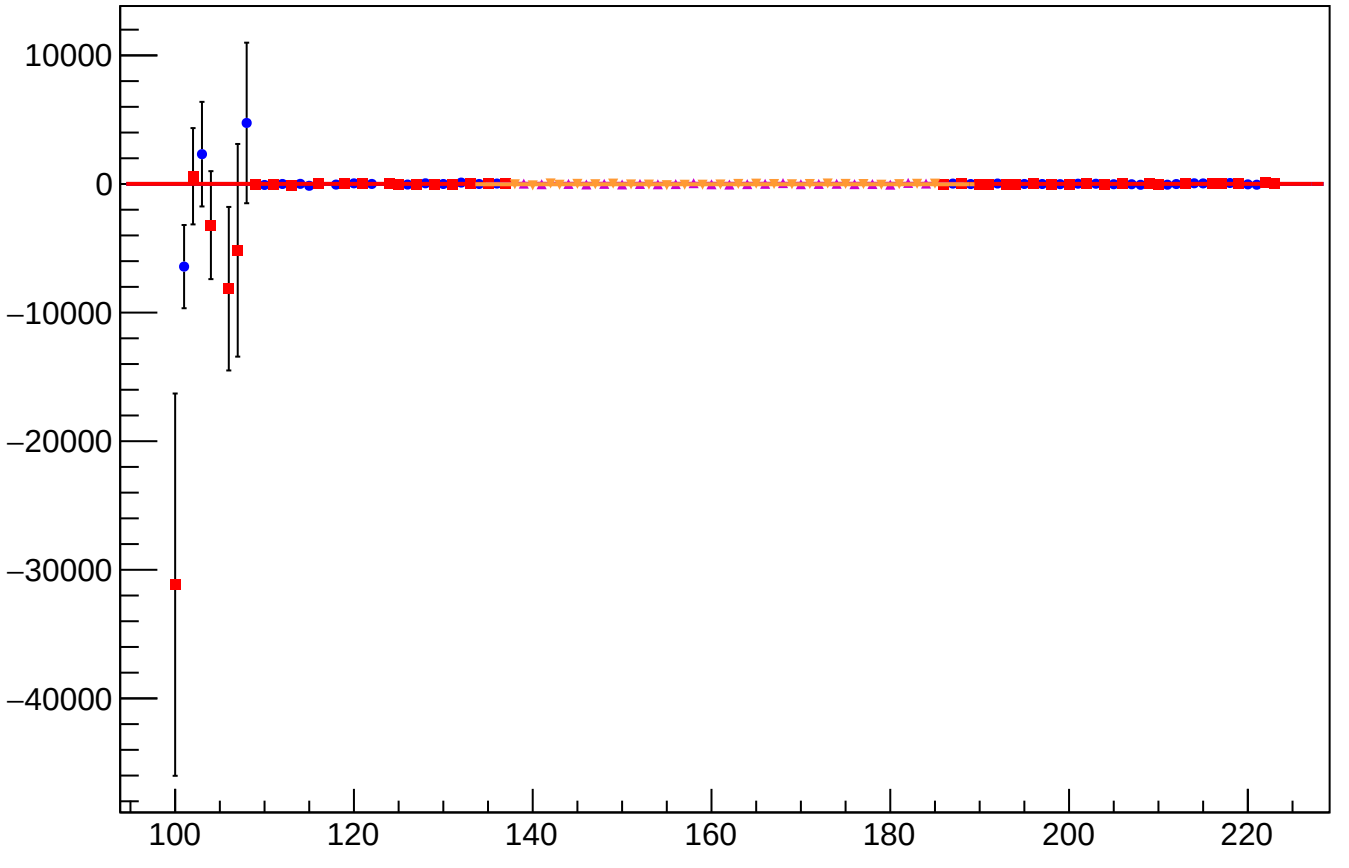
Right Out: 179.055+/-0.029 χ^2/NDF: 6133635.3/38

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 187.494+/-0.022 χ^2/NDF: 7242916.6/58

All: 184.838+/-0.015 χ^2/NDF: 14846404.3/12

- sign 182.257+/-0.021 χ^2/NDF: 7574180.3/61



Right In: 2.427+/-7.362 χ^2/NDF: 38.2/33

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 9.555+/-7.342 χ^2/NDF: 44.9/38

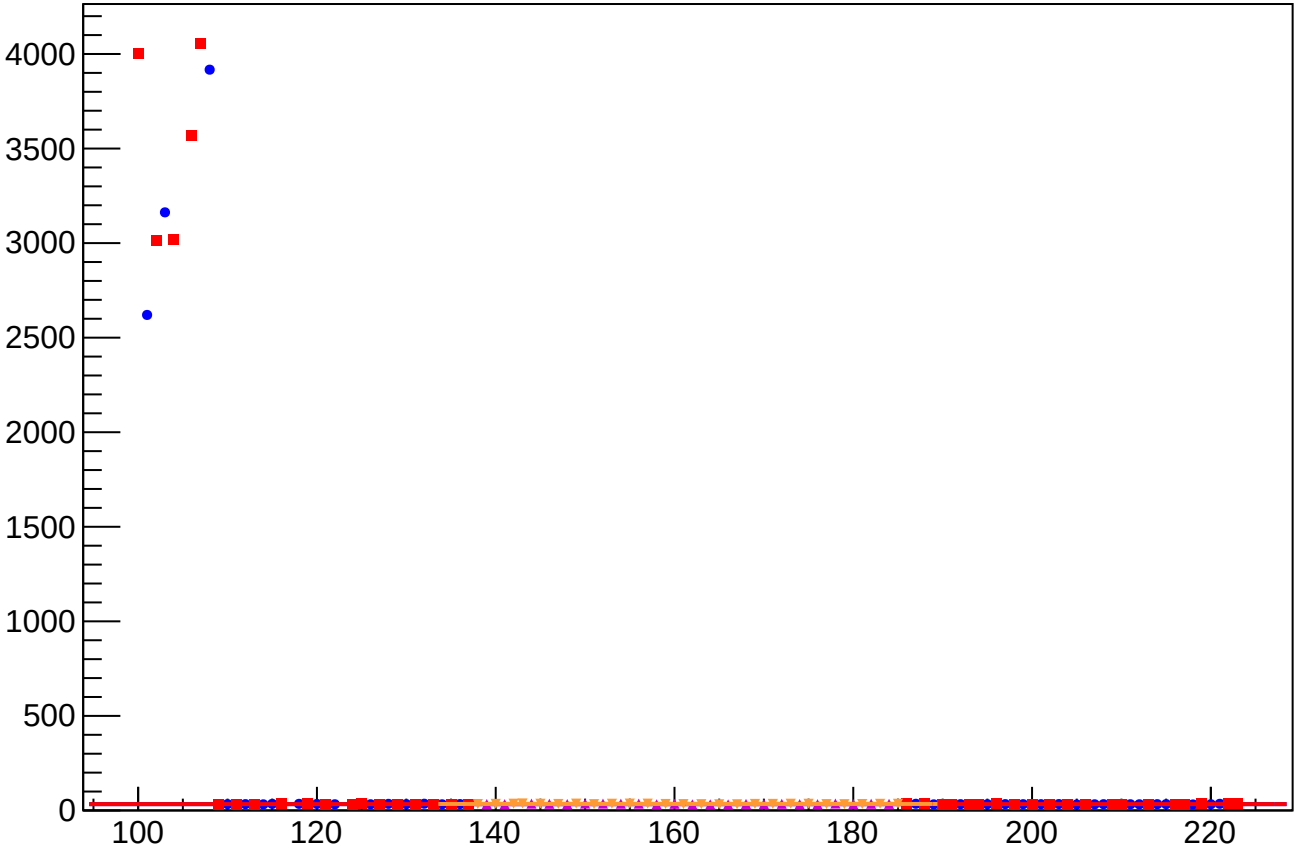
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

\+ sign -8.664+/-5.365 χ^2/NDF: 66.0/58

All: -0.905+/-3.818 χ^2/NDF: 134.3/120

\- sign 7.057+/-5.435 χ^2/NDF: 64.1/61

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.282+/-0.005 χ^2/NDF: 3267336.9/33

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

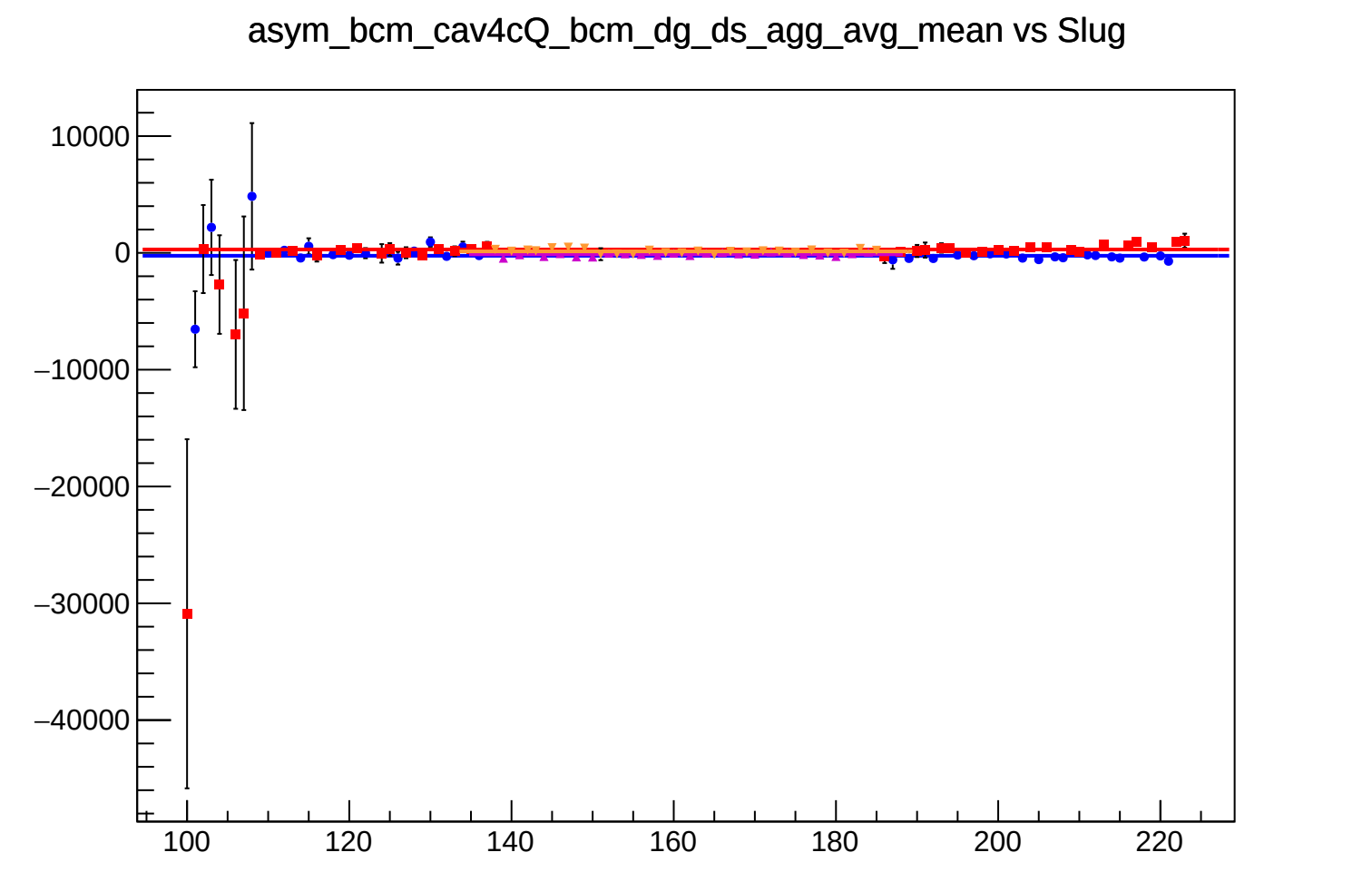
Right Out: 33.514+/-0.005 χ^2/NDF: 3586855.9/38

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 33.825+/-0.004 χ^2/NDF: 3335151.7/58

All: 33.903+/-0.003 χ^2/NDF: 7000232.9/120

- sign 33.983+/-0.004 χ^2/NDF: 3664219.7/61



Right In: -245.780+/-40.485 χ^2/NDF: 39.7/33

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

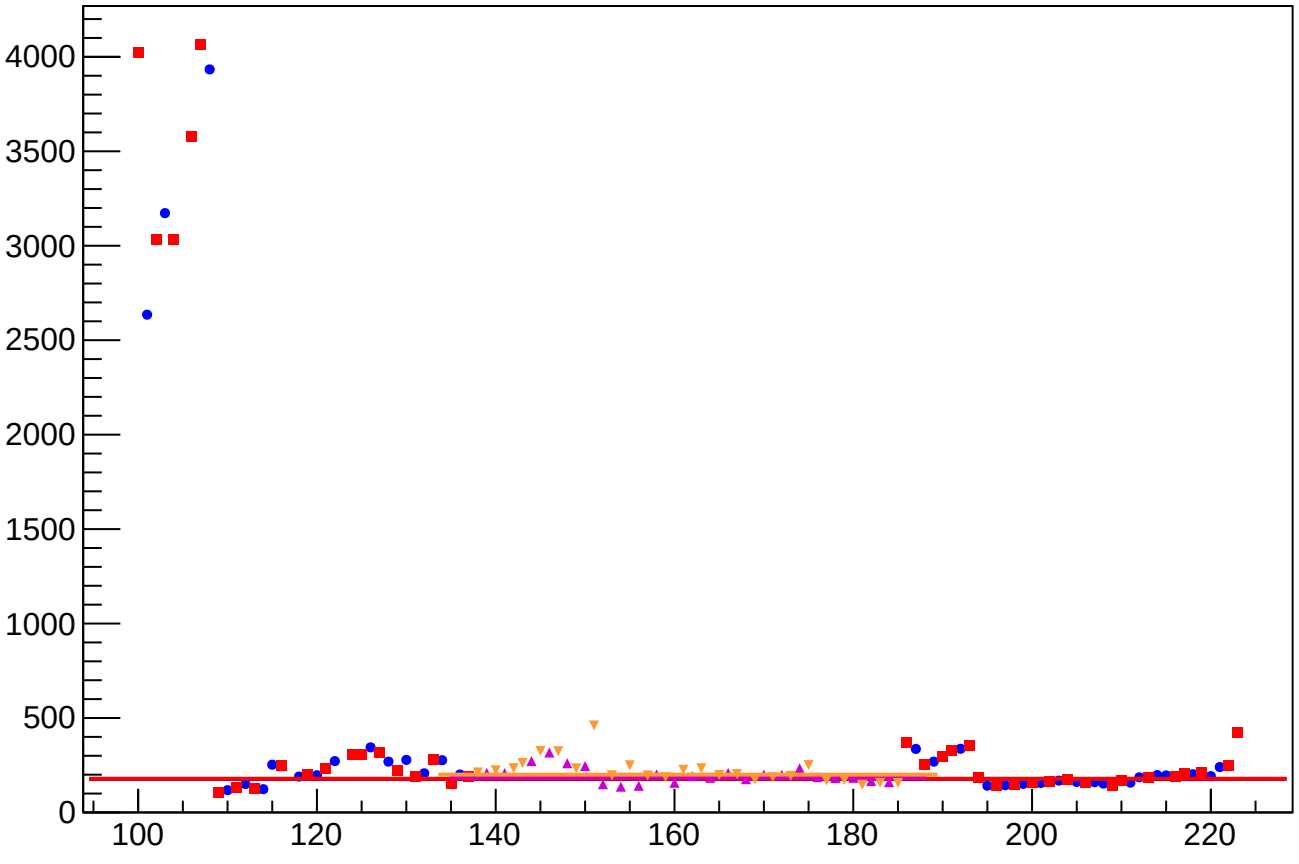
Right Out: 293.455+/-40.817 χ^2/NDF: 53.7/38

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -87.585+/-30.737 χ^2/NDF: 87.4/58

All: 10.859+/-21.576 χ^2/NDF: 216.0/120

- sign 106.475+/-30.293 χ^2/NDF: 108.4/61



Right In: 177.175+/-0.029 χ^2/NDF: 5124879.3/33

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

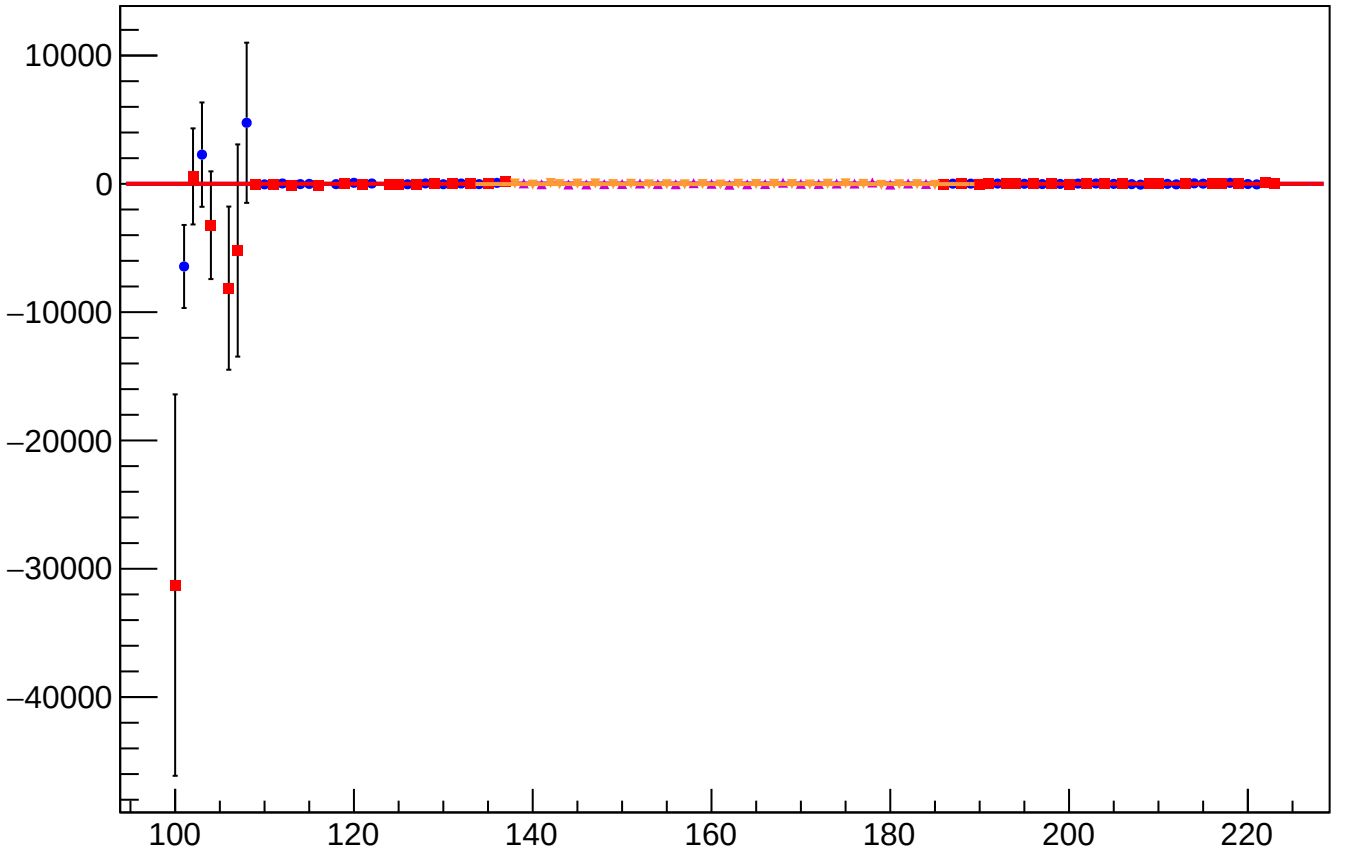
Right Out: 178.309+/-0.029 χ^2/NDF: 6190394.6/38

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 187.001+/-0.022 χ^2/NDF: 7279542.6/58

All: 184.315+/-0.015 χ^2/NDF: 14936411.3/12

- sign 181.706+/-0.021 χ^2/NDF: 7626762.1/61



Right In: 4.341+/-6.661 χ^2/NDF: 34.0/33

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 5.391+/-6.648 χ^2/NDF: 50.3/38

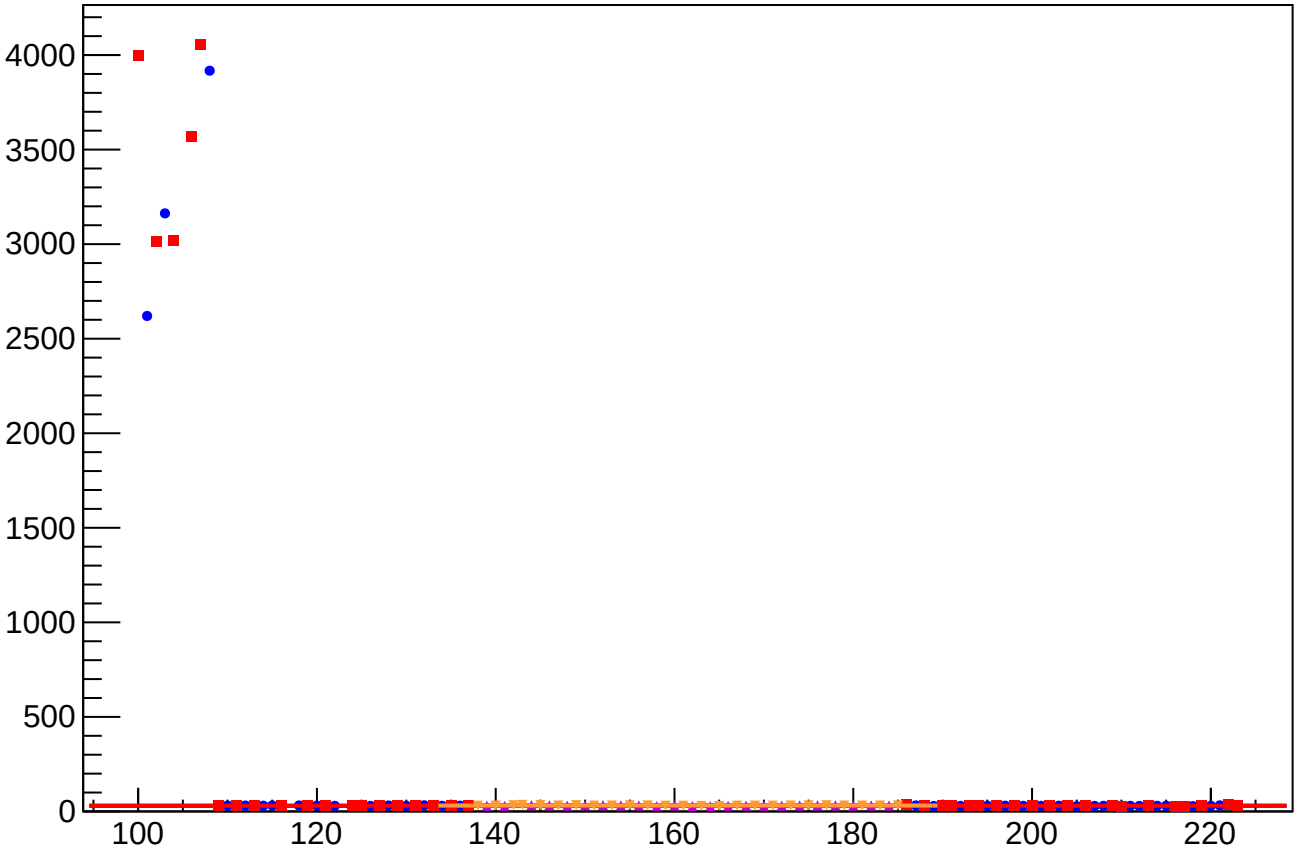
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -6.333+/-4.869 χ^2/NDF: 59.9/58

All: -1.140+/-3.464 χ^2/NDF: 148.2/120

- sign 4.184+/-4.930 χ^2/NDF: 85.9/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.094+/-0.005 χ^2/NDF: 3291931.0/33

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

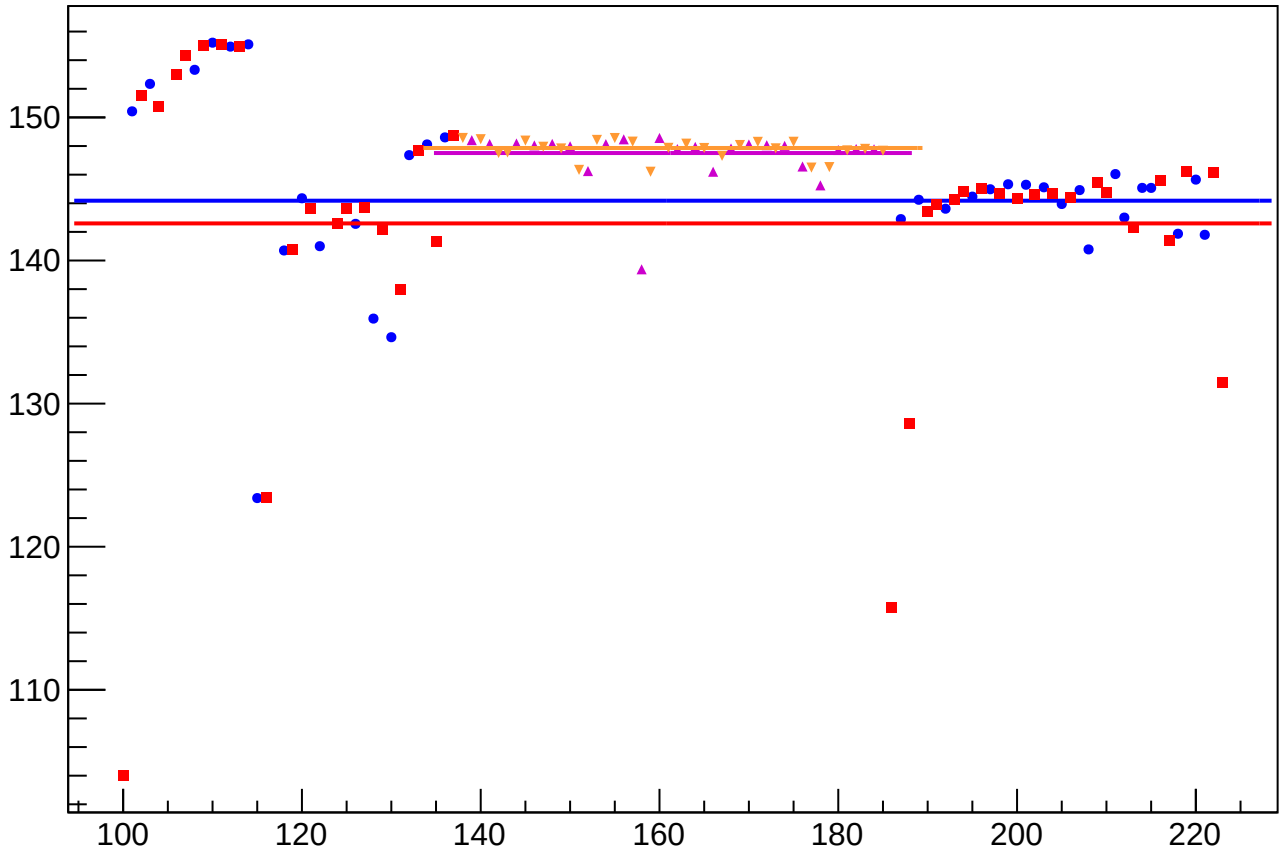
Right Out: 30.317+/-0.005 χ^2/NDF: 3626279.4/38

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 30.674+/-0.003 χ^2/NDF: 3387520.5/58

All: 30.734+/-0.002 χ^2/NDF: 7122647.3/120

\- sign 30.795+/-0.003 χ^2/NDF: 3734519.8/61



Right In: 144.180+/-0.000 χ^2/NDF: 3807918185.1/33

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

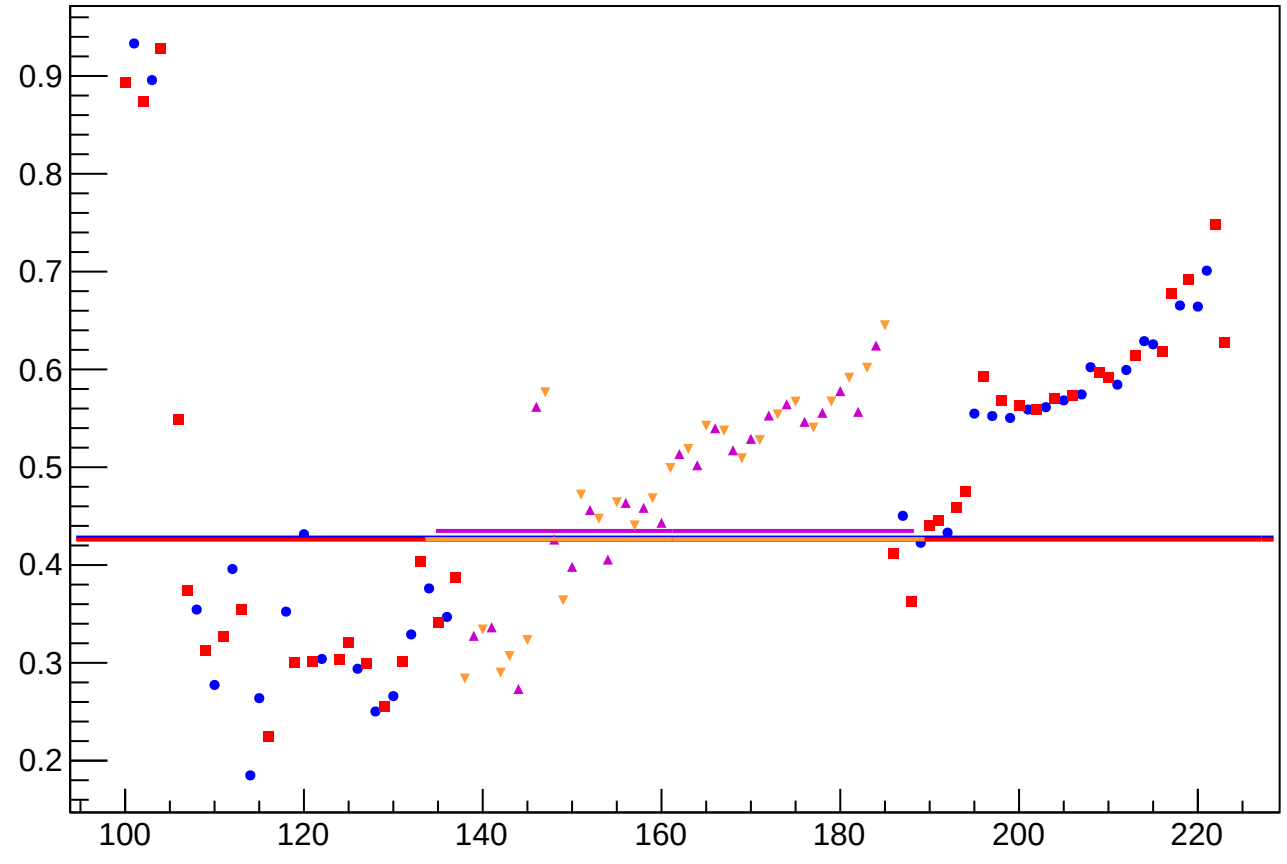
Right Out: 142.593+/-0.000 χ^2/NDF: 7799223157.0/38

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 145.981+/-0.000 χ^2/NDF: 4525746183.3/58

All: 145.405+/-0.000 χ^2/NDF: 13942899889.

- sign 144.823+/-0.000 χ^2/NDF: 9284654447.0/61



Right In: 0.428+/-0.000 χ^2/NDF: 4794475.1/33

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

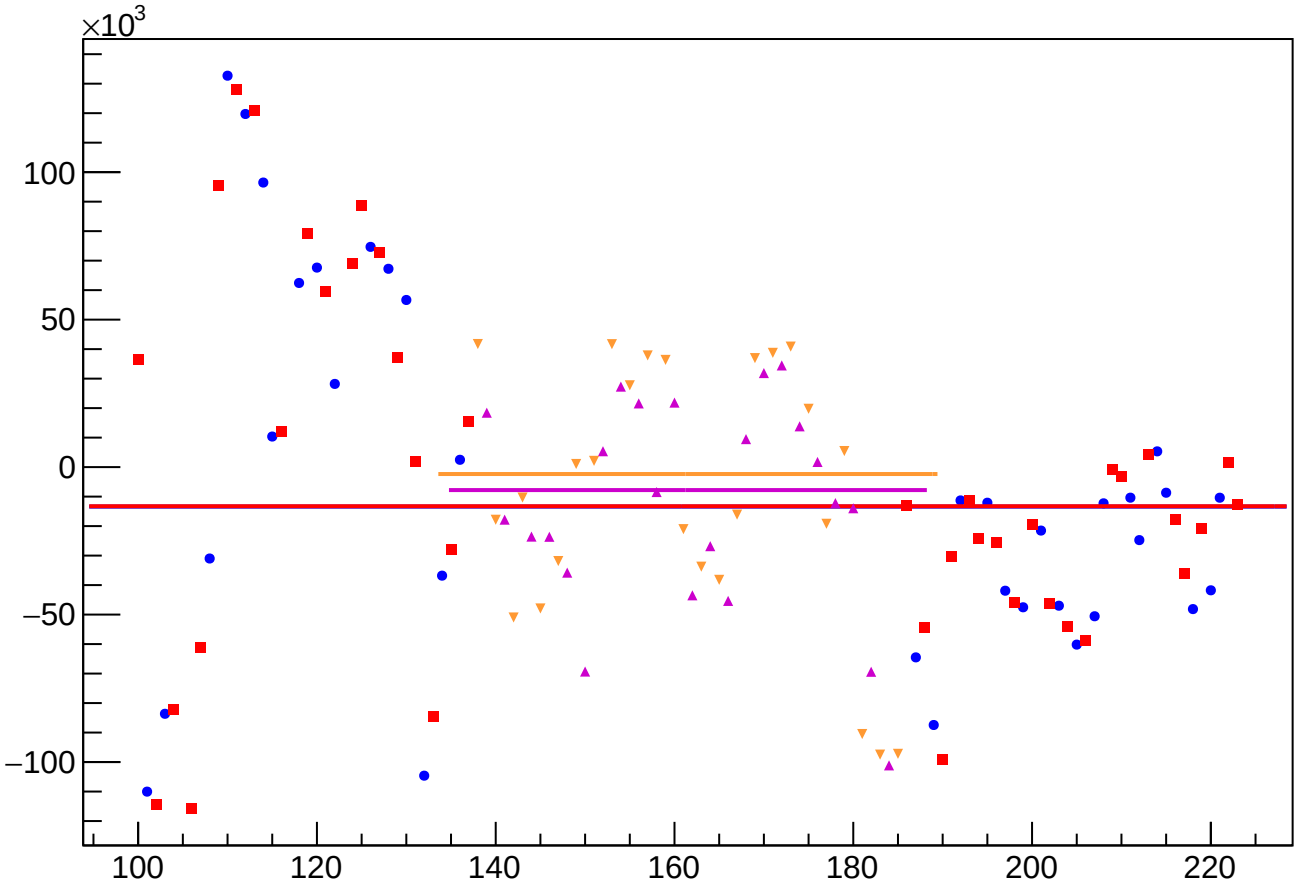
Right Out: 0.426+/-0.000 χ^2/NDF: 4618667.2/38

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.427+/-0.000 χ^2/NDF: 7053950.9/58

All: 0.429+/-0.000 χ^2/NDF: 13456780.8/120

- sign 0.430+/-0.000 χ^2/NDF: 6401396.9/61



Right In: -13390.827+/-1.185 χ^2/NDF: 1998675792.3/33

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

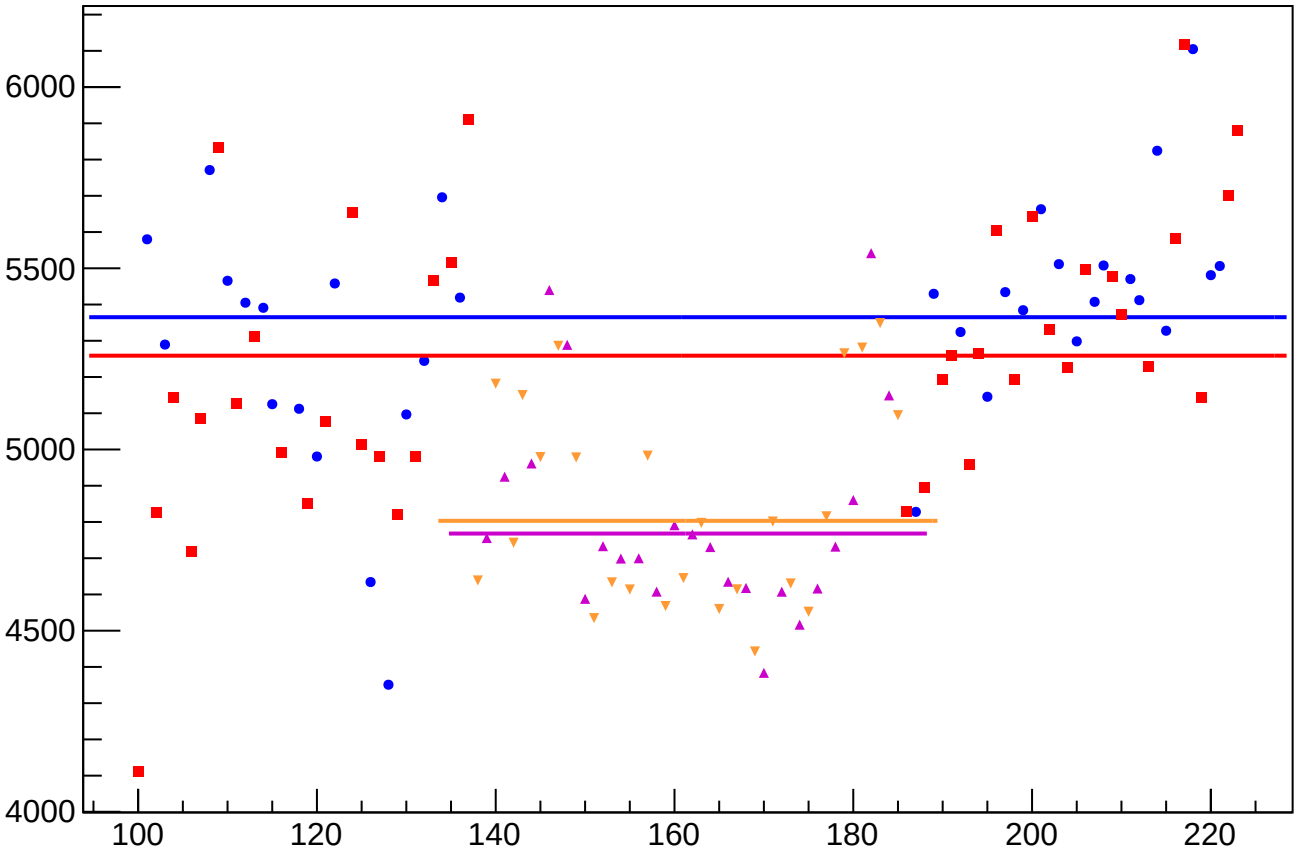
Right Out: -13271.131+/-1.139 χ^2/NDF: 2423751842.0/38

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -7571.412+/-0.815 χ^2/NDF: 3274462249.3/5

All: -9072.260+/-0.574 χ^2/NDF: 6478956442

- sign -10543.553+/-0.807 χ^2/NDF: 3197783463.1/6



Right In: 5365.059+/-0.838 χ^2/NDF: 142006.0/33

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5258.848+/-0.805 χ^2/NDF: 174145.2/38

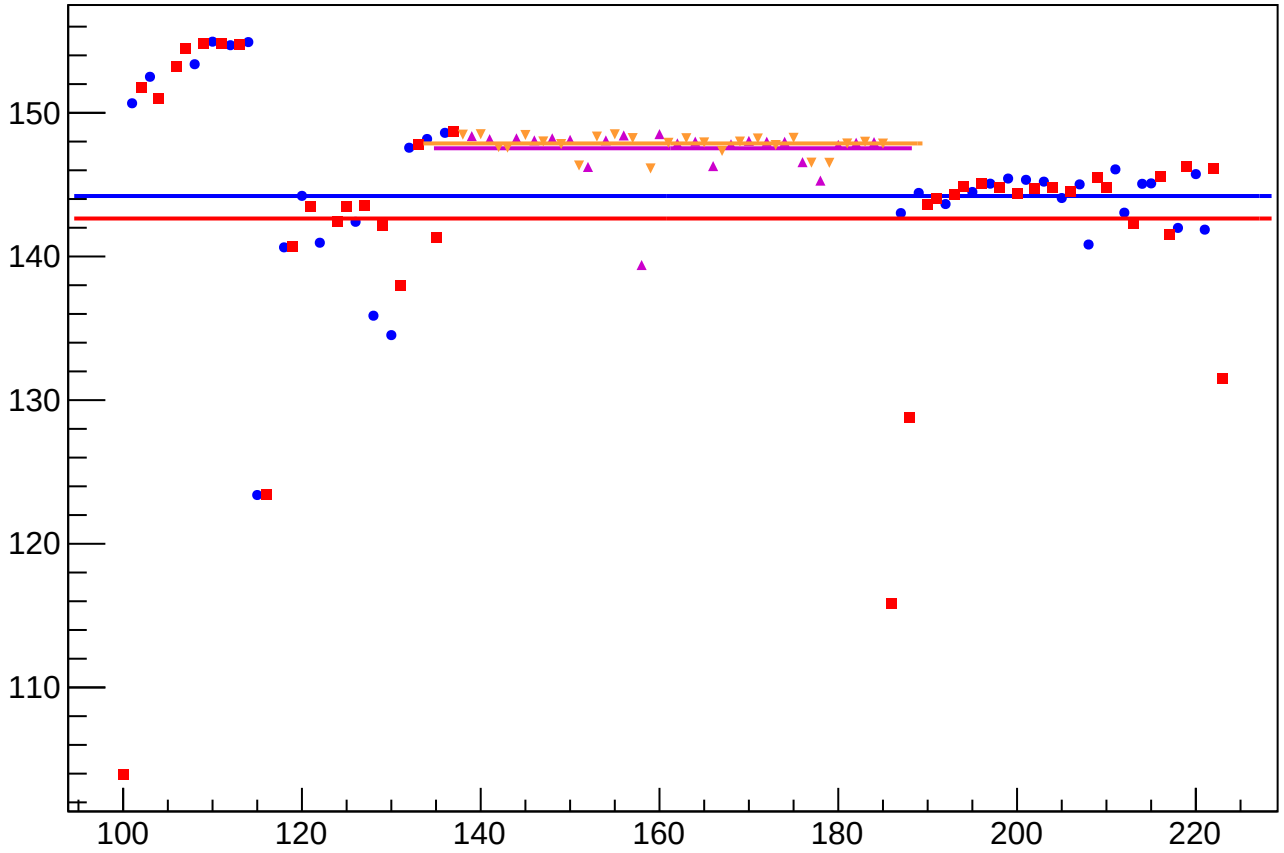
Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 5069.018+/-0.577 χ^2/NDF: 493515.6/58

All: 5041.595+/-0.406 χ^2/NDF: 959320.2/120

- sign 5014.712+/-0.571 χ^2/NDF: 461323.8/61

yield_bcm_an_ds_mean vs Slug



Right In: 144.209+/-0.000 χ^2/NDF: 3848239465.2/33

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.644+/-0.000 χ^2/NDF: 7773619717.0/38

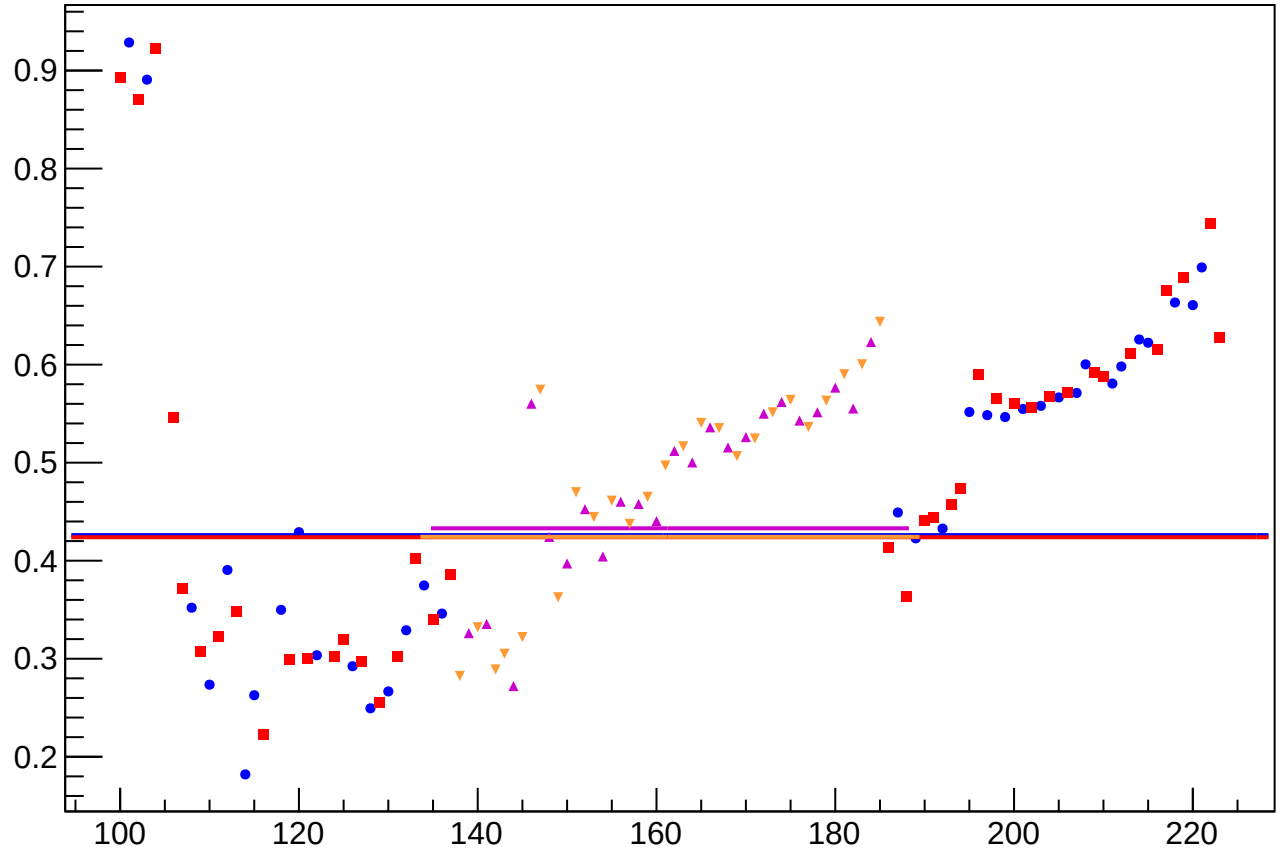
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 145.999+/-0.000 χ^2/NDF: 4563425140.2/58

All: 145.432+/-0.000 χ^2/NDF: 13948672414.

- sign 144.860+/-0.000 χ^2/NDF: 9255706731.0/61

yield_bcm_an_ds_rms vs Slug



Right In: 0.426+/-0.000 χ^2/NDF: 4795928.4/33

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

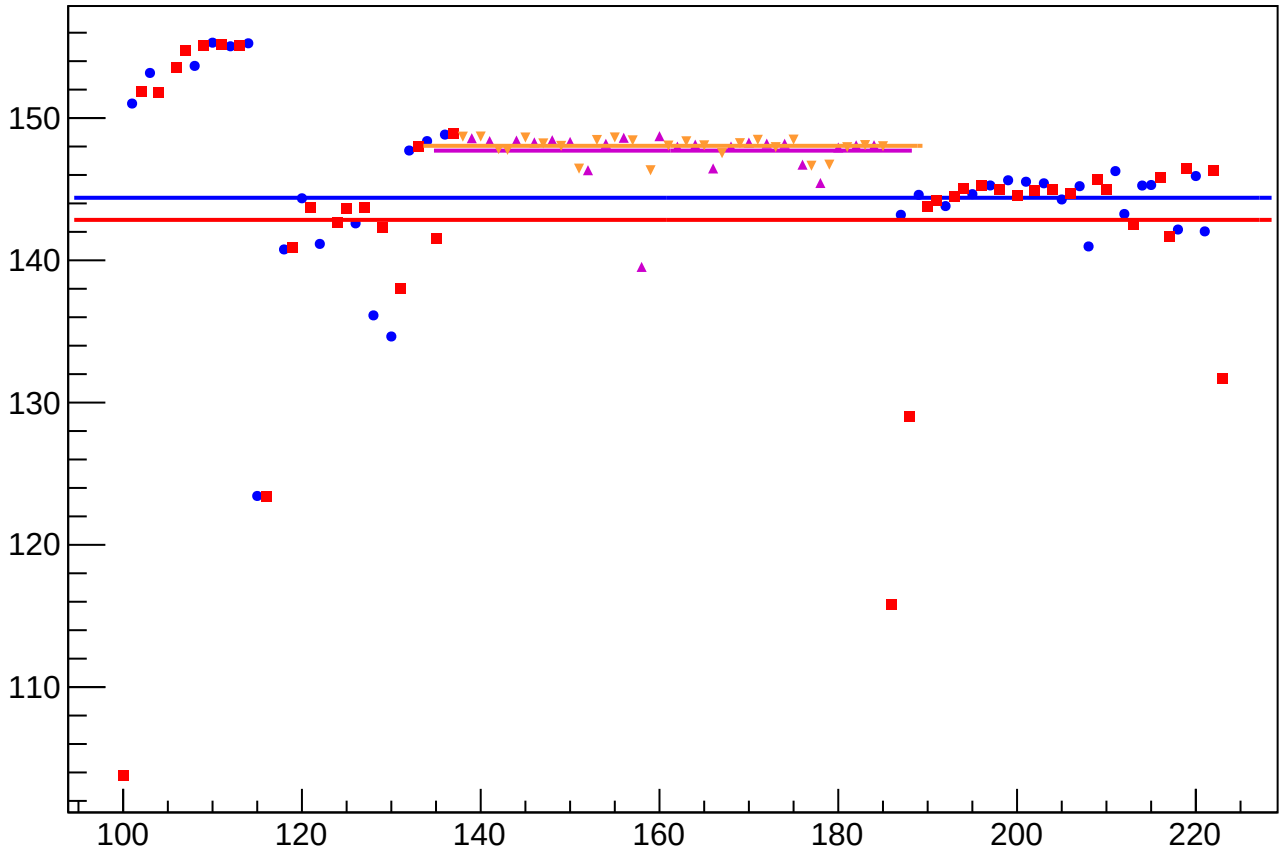
Right Out: 0.424+/-0.000 χ^2/NDF: 4627902.0/38

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.425+/-0.000 χ^2/NDF: 7056958.1/58

All: 0.427+/-0.000 χ^2/NDF: 13465781.4/120

- sign 0.428+/-0.000 χ^2/NDF: 6407260.4/61



Right In: 144.396+/-0.000 χ^2/NDF: 3842716039.8/33

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.843+/-0.000 χ^2/NDF: 7706921643.2/38

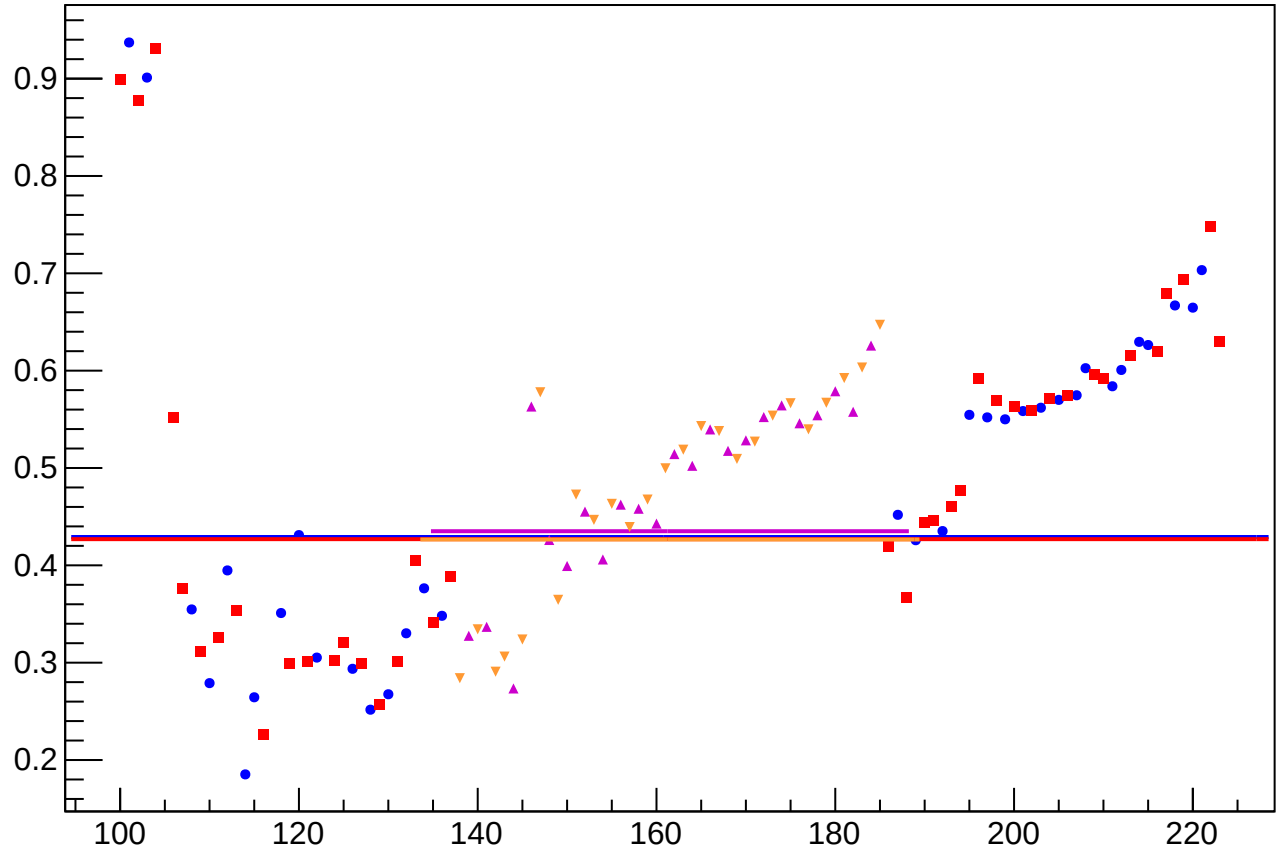
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.186+/-0.000 χ^2/NDF: 4547739899.8/58

All: 145.623+/-0.000 χ^2/NDF: 13844618998.

- sign 145.055+/-0.000 χ^2/NDF: 9170842233.0/61

yield_bcm_an_ds3_rms vs Slug



Right In: 0.429+/-0.000 χ^2/NDF: 4775436.0/33

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

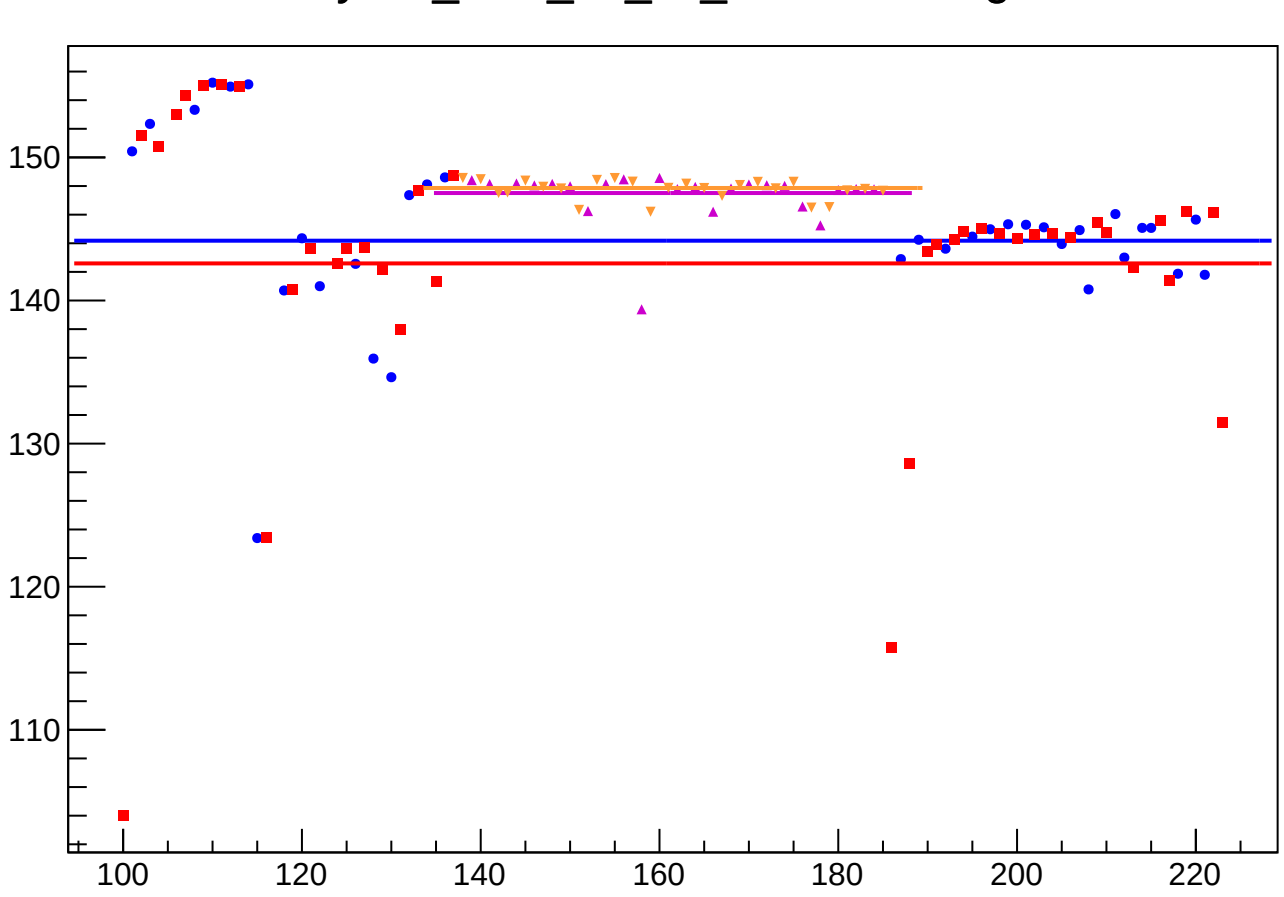
Right Out: 0.427+/-0.000 χ^2/NDF: 4614277.8/38

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.428+/-0.000 χ^2/NDF: 7033569.6/58

All: 0.429+/-0.000 χ^2/NDF: 13425521.0/120

- sign 0.431+/-0.000 χ^2/NDF: 6390457.1/61



Right In: 144.180+/-0.000 χ^2/NDF: 3807918185.1/33

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.593+/-0.000 χ^2/NDF: 7799223157.0/38

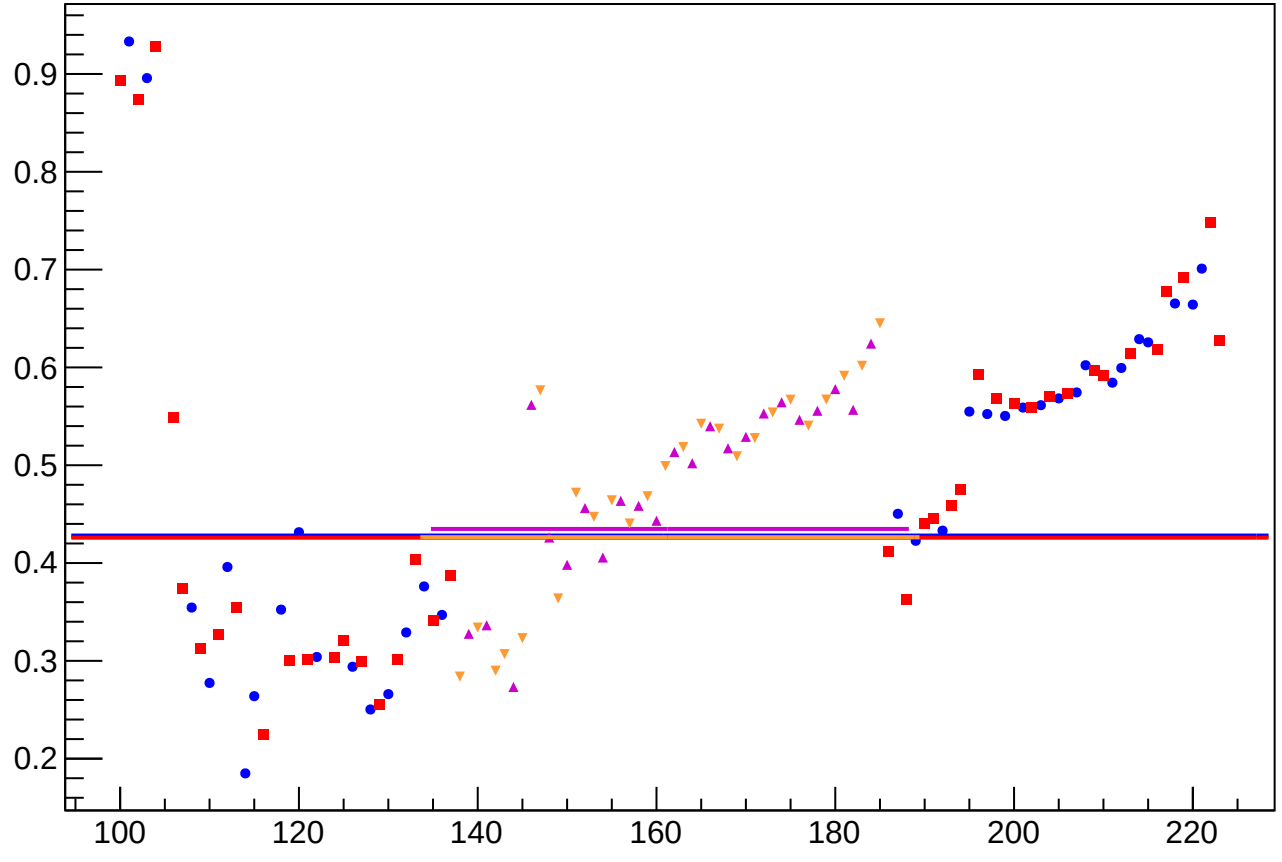
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 145.981+/-0.000 χ^2/NDF: 4525746183.3/58

All: 145.405+/-0.000 χ^2/NDF: 13942899889.

- sign 144.823+/-0.000 χ^2/NDF: 9284654447.0/61

yield_bcm_an_us_rms vs Slug



Right In: 0.428+/-0.000 χ^2/NDF: 4794475.1/33

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.426+/-0.000 χ^2/NDF: 4618667.2/38

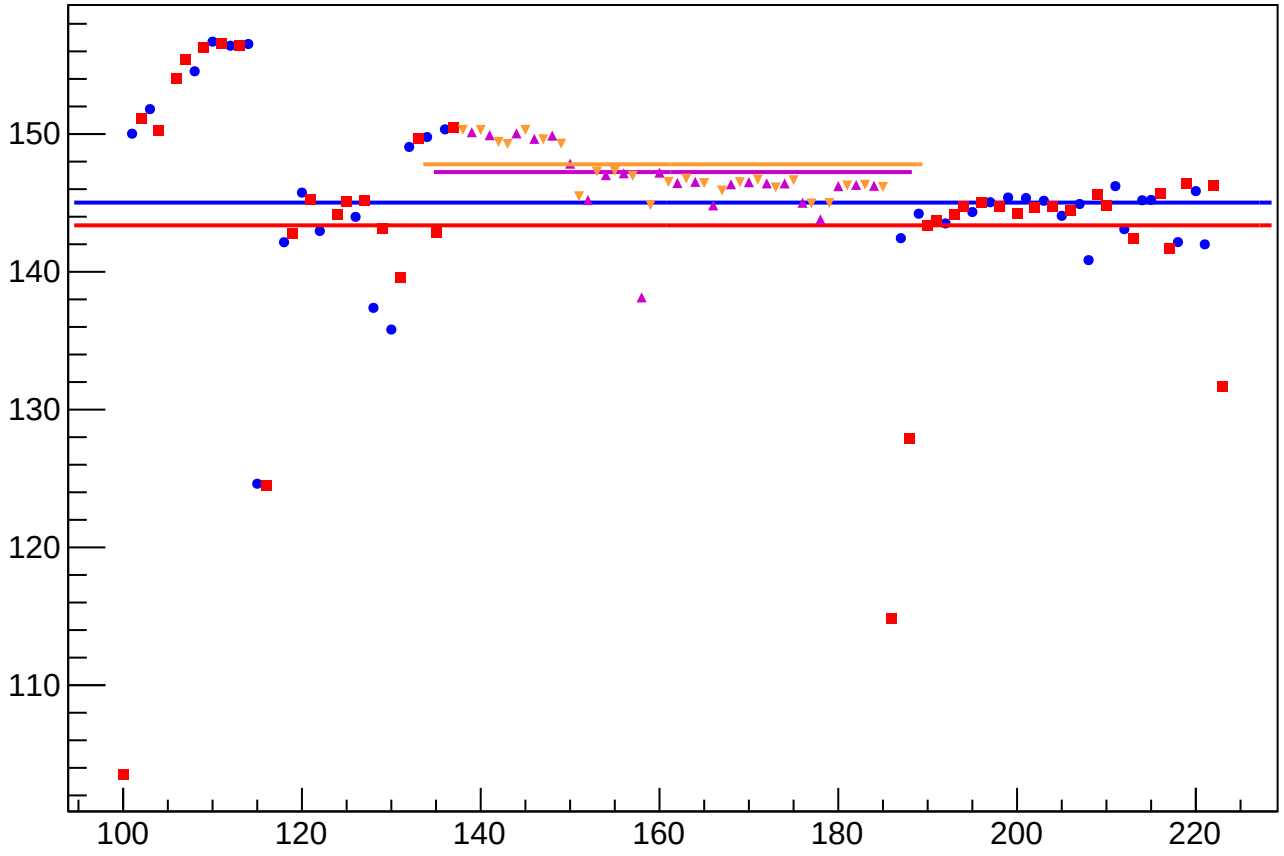
Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.427+/-0.000 χ^2/NDF: 7053950.9/58

All: 0.429+/-0.000 χ^2/NDF: 13456780.8/120

- sign 0.430+/-0.000 χ^2/NDF: 6401396.9/61

yield_bcm_dg_us_mean vs Slug



Right In: 145.025+/-0.000 χ^2/NDF: 3608526725.8/33

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.375+/-0.000 χ^2/NDF: 7842170614.0/38

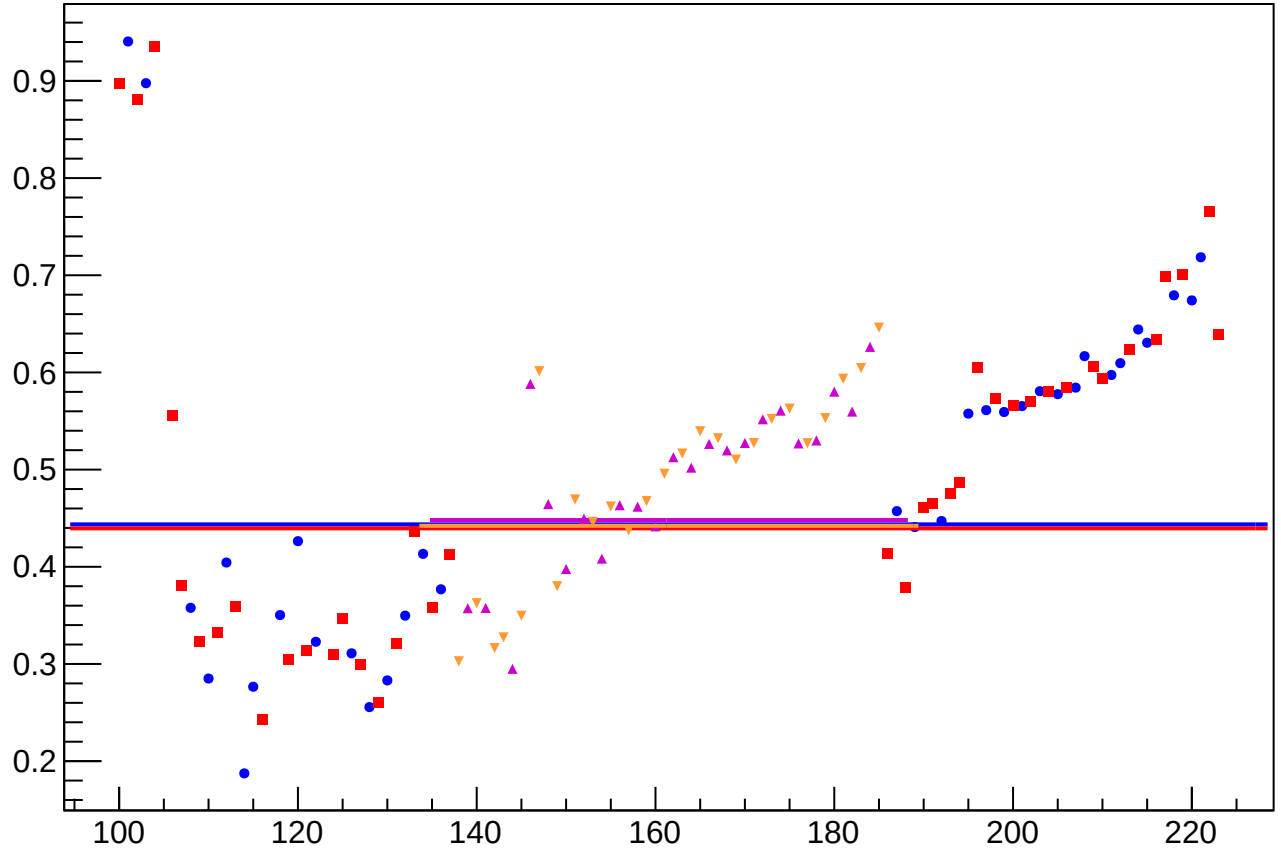
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.389+/-0.000 χ^2/NDF: 4295185533.9/58

All: 145.765+/-0.000 χ^2/NDF: 13592128678.

- sign 145.140+/-0.000 χ^2/NDF: 9151527660.7/61

yield_bcm_dg_us_rms vs Slug



Right In: 0.444+/-0.000 χ^2/NDF: 4524733.1/33

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.440+/-0.000 χ^2/NDF: 4406627.0/38

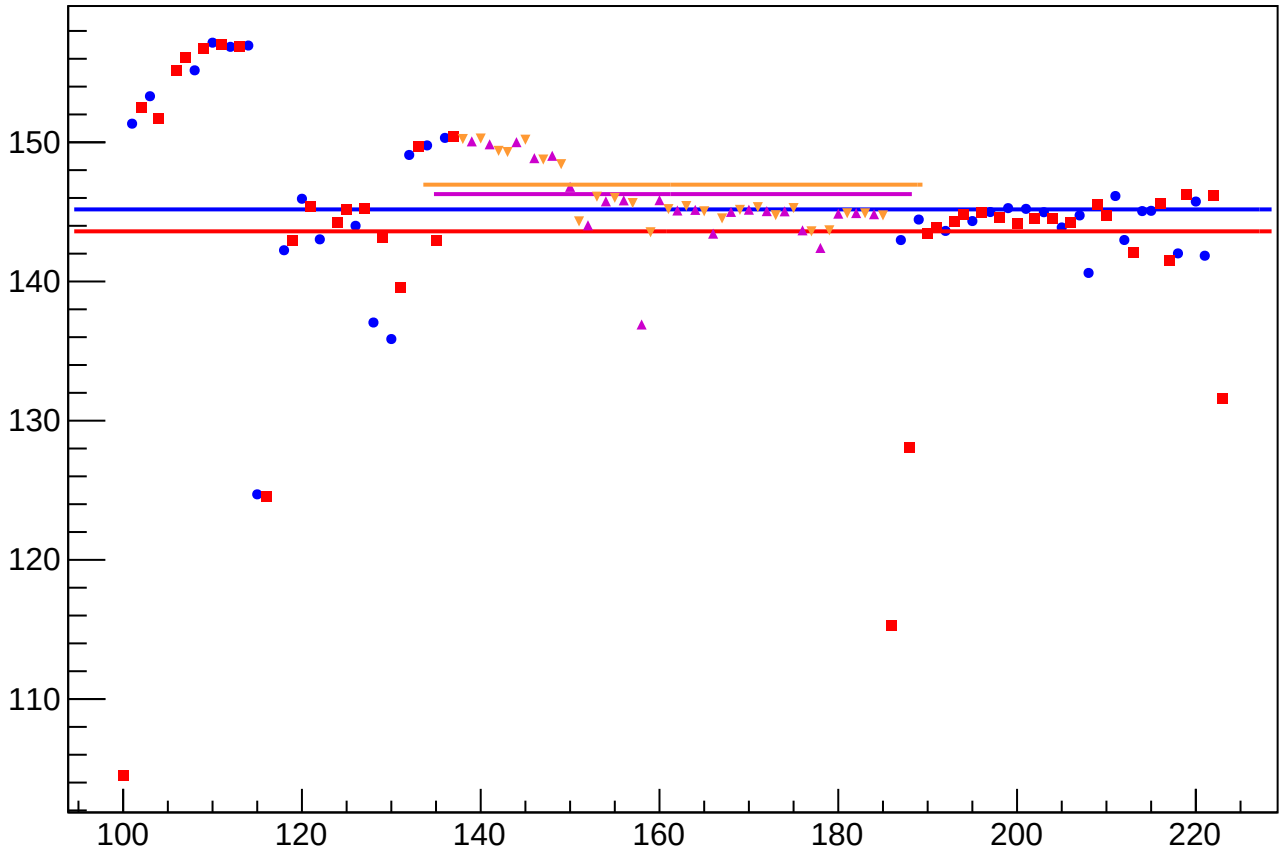
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.443+/-0.000 χ^2/NDF: 6229137.6/58

All: 0.443+/-0.000 χ^2/NDF: 11990425.4/120

- sign 0.443+/-0.000 χ^2/NDF: 5761232.2/61

yield_bcm_dg_ds_mean vs Slug



Right In: 145.179+/-0.000 χ^2/NDF: 3776068562.0/33

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.602+/-0.000 χ^2/NDF: 7898195147.2/38

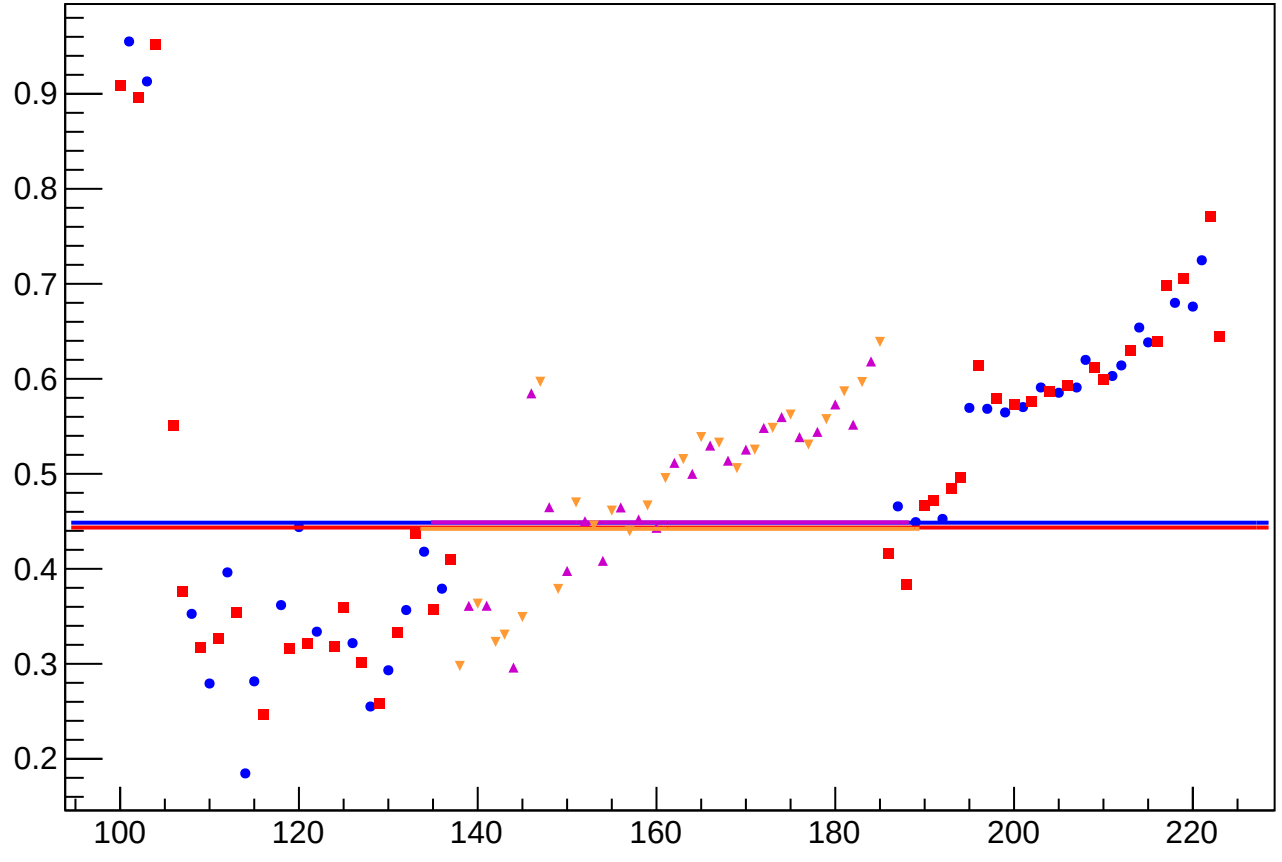
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.062+/-0.000 χ^2/NDF: 4464223548.5/58

All: 145.448+/-0.000 χ^2/NDF: 13653241000.

- sign 144.835+/-0.000 χ^2/NDF: 9050594268.7/61

yield_bcm_dg_ds_rms vs Slug



Right In: 0.449+/-0.000 χ^2/NDF: 4541571.1/33

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

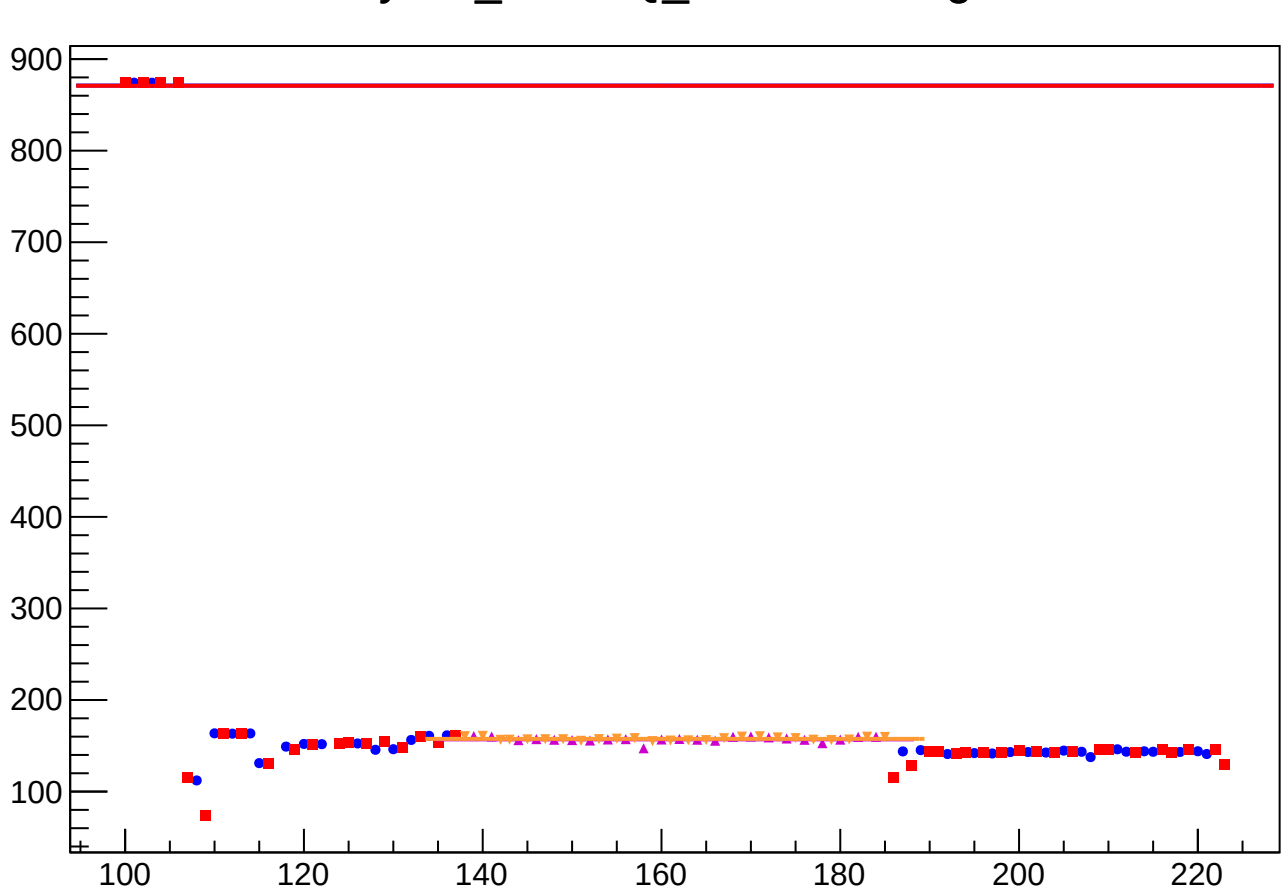
Right Out: 0.443+/-0.000 χ^2/NDF: 4422584.2/38

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

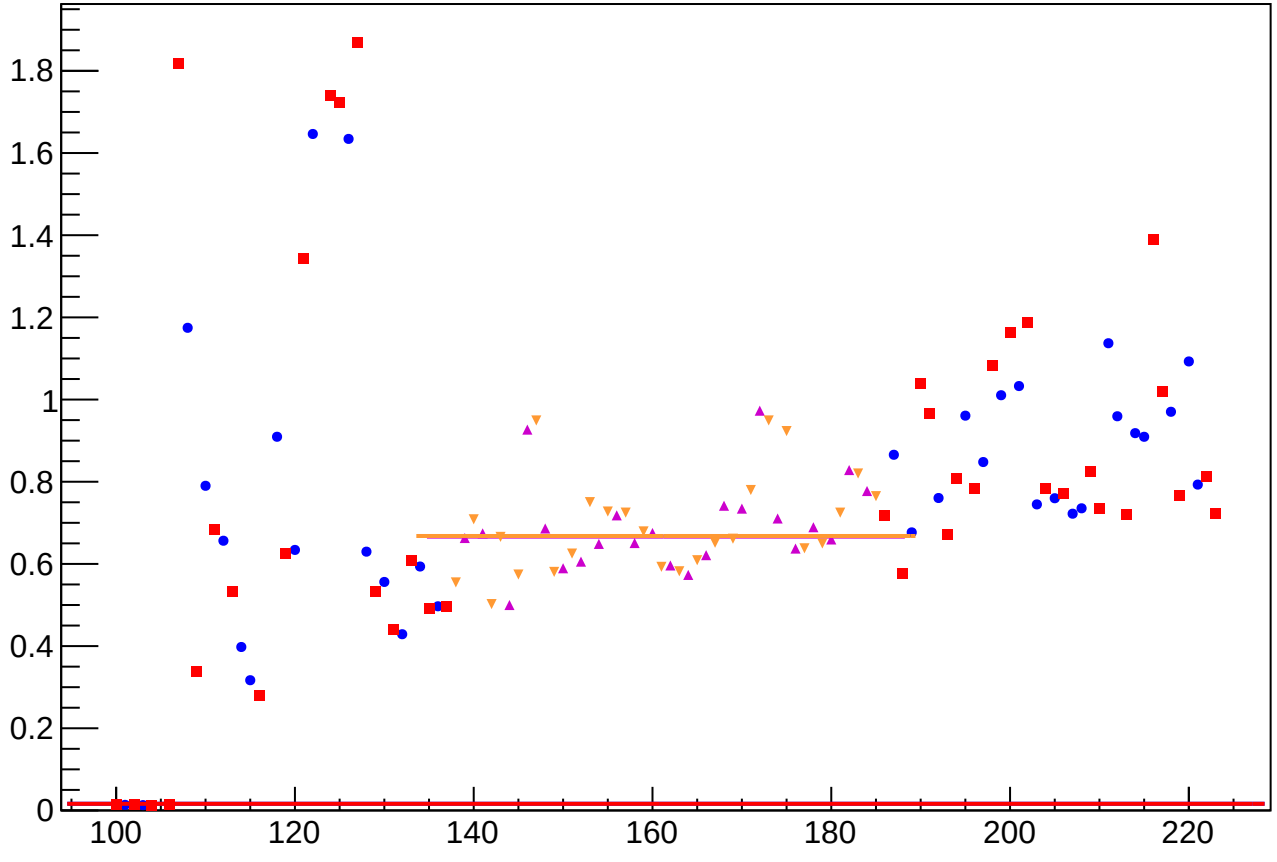
+ sign 0.445+/-0.000 χ^2/NDF: 6222076.8/58

All: 0.446+/-0.000 χ^2/NDF: 11948138.1/120

- sign 0.446+/-0.000 χ^2/NDF: 5725986.4/61


yield_cav4bQ_mean vs Slug
900
800
700
600
500
400
300
200
100
100
120
140
160
180
200
220
Right In: 871.126+/-0.000 χ²/NDF: 16015457152557.2/33
Left Out: 157.566+/-0.000 χ²/NDF:104641292.0/24
Right Out: 870.863+/-0.000 χ²/NDF: 20059343710938.0/38
Left In: 157.013+/-0.000 χ²/NDF:239819941.9/22
+ sign 867.756+/-0.000 χ²/NDF: 33185043441276.
All: 867.920+/-0.000 χ²/NDF: 6969513370
- sign 868.063+/-0.000 χ²/NDF: 36509728637220.

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 33059233.1/33

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 35217522.1/38

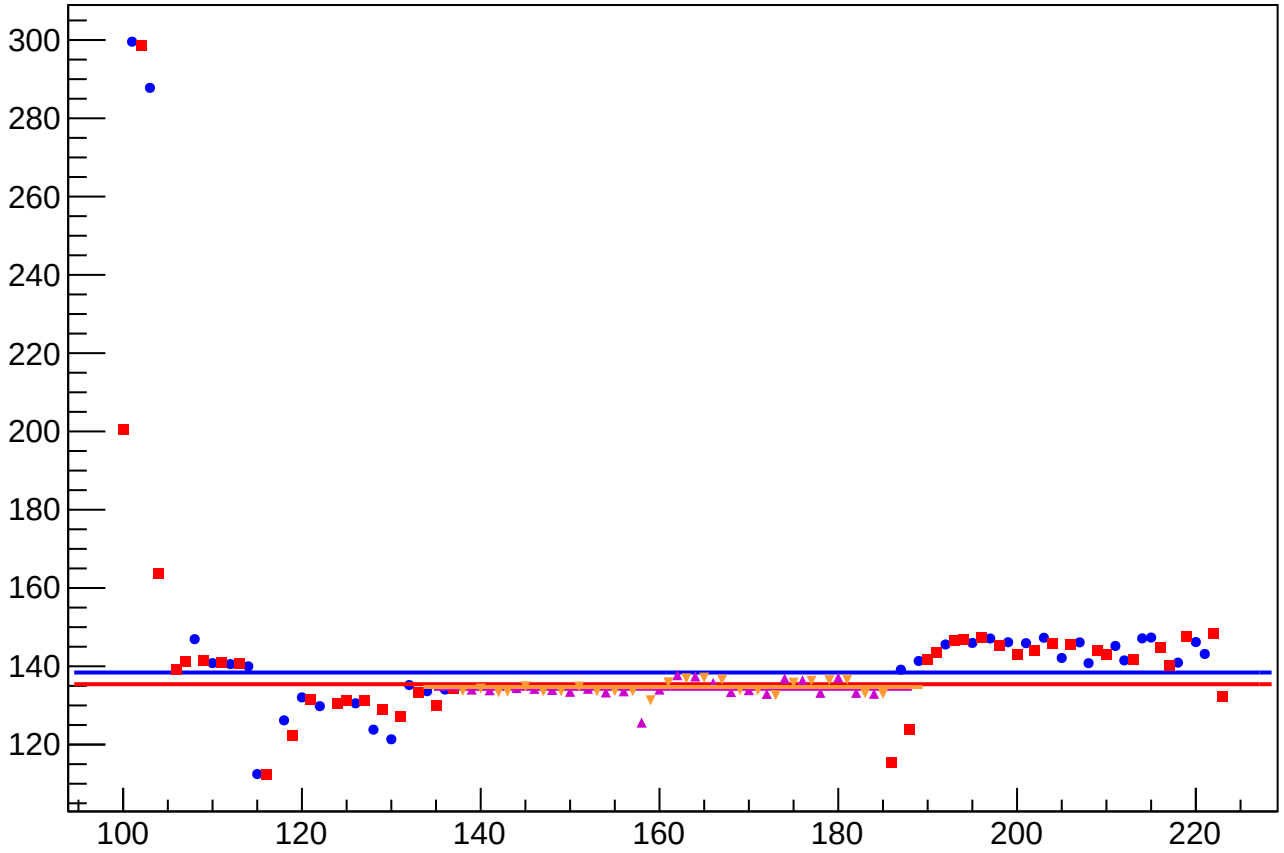
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 62380679.6/58

All: 0.019+/-0.000 χ^2/NDF: 125440233.1/120

- sign 0.019+/-0.000 χ^2/NDF: 63056106.8/61

yield_cav4cQ_mean vs Slug



Right In: 138.414+/-0.000 χ^2/NDF: 3826754722.9/33

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 135.424+/-0.000 χ^2/NDF: 5978907484.6/38

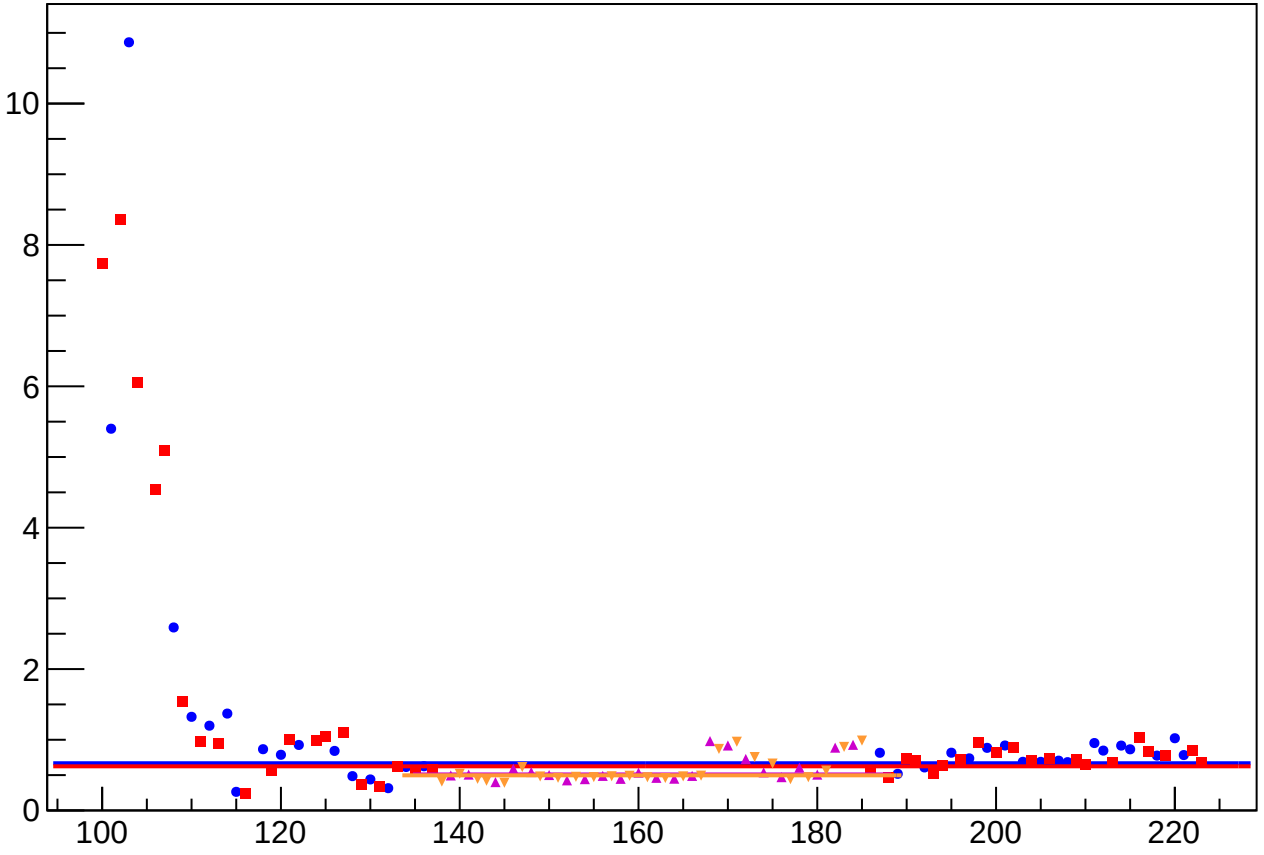
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.987+/-0.000 χ^2/NDF: 4301858907.5/58

All: 135.358+/-0.000 χ^2/NDF: 10837008200.

- sign 134.732+/-0.000 χ^2/NDF: 6454602399.6/61

yield_cav4cQ_rms vs Slug



Right In: 0.668+/-0.000 χ^2/NDF: 5683566.4/33

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.624+/-0.000 χ^2/NDF: 6608774.2/38

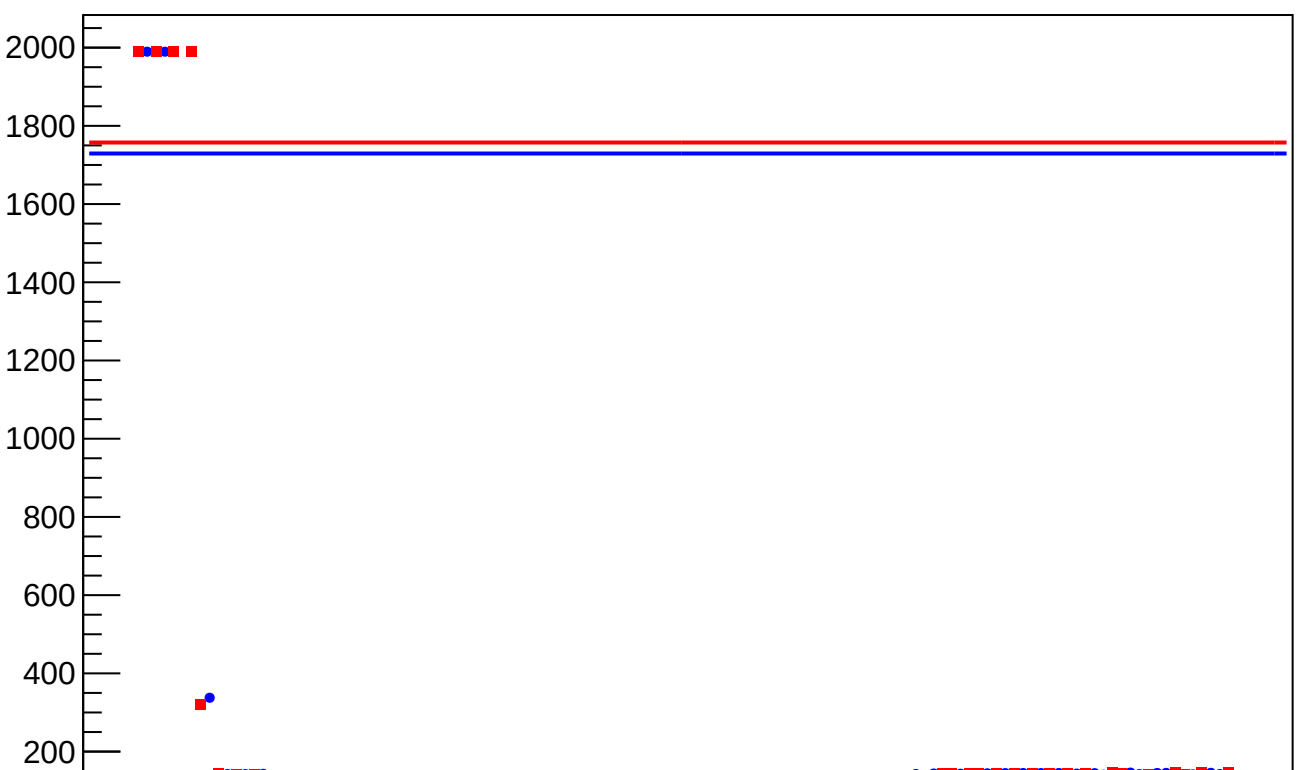
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.556+/-0.000 χ^2/NDF: 8601384.1/58

All: 0.556+/-0.000 χ^2/NDF: 17349101.5/120

- sign 0.557+/-0.000 χ^2/NDF: 8747622.8/61

yield_cav4dQ_mean vs Slug



Right In: 1729.273+/-0.000 χ^2/NDF: 252786222300629.6/33

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1757.411+/-0.000 χ^2/NDF: 2674676691331 53.7/38

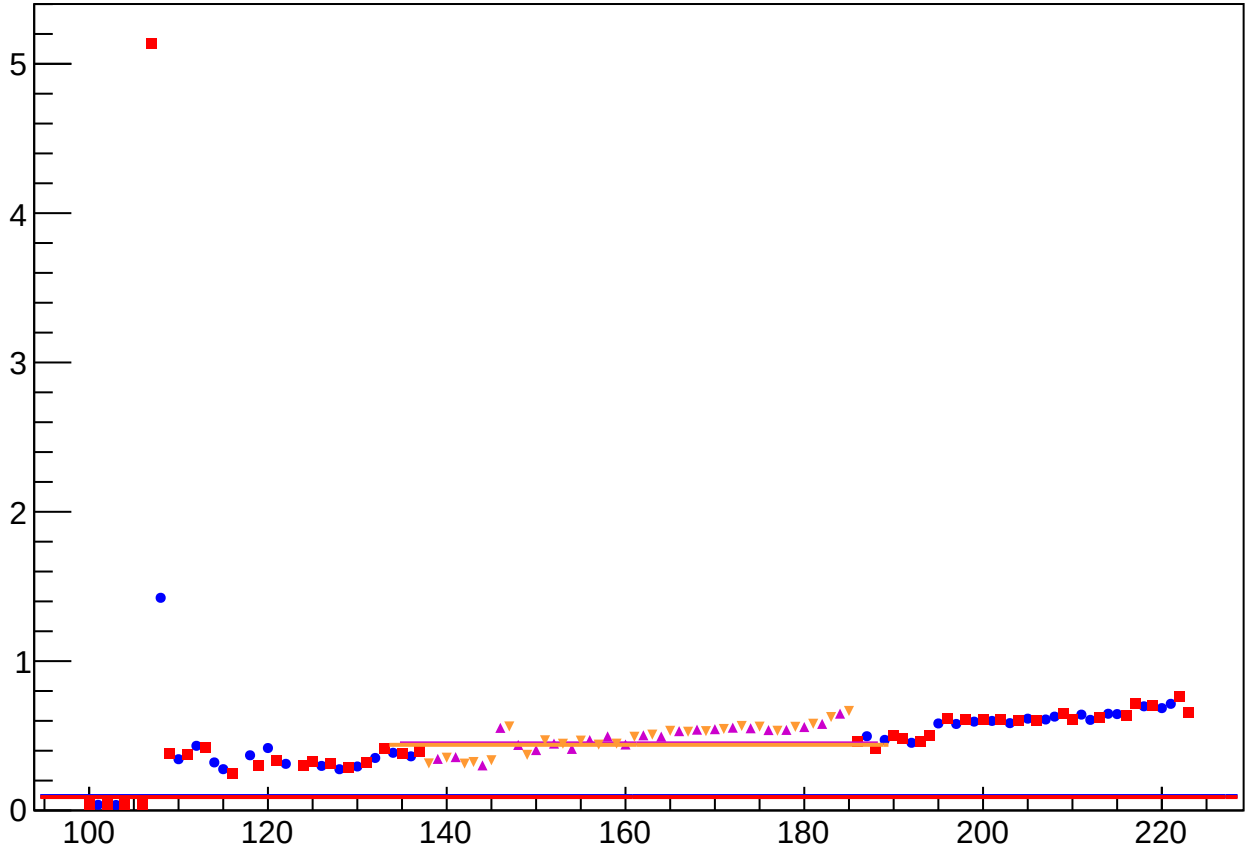
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1519.037+/-0.000 χ^2/NDF: 45694049267866

All: 1553.820+/-0.000 χ^2/NDF: 9250202250

- sign 1584.555+/-0.000 χ^2/NDF: 46647781919808

yield_cav4dQ_rms vs Slug



Right In: 0.097+/-0.000 χ^2/NDF: 29765536.1/33

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

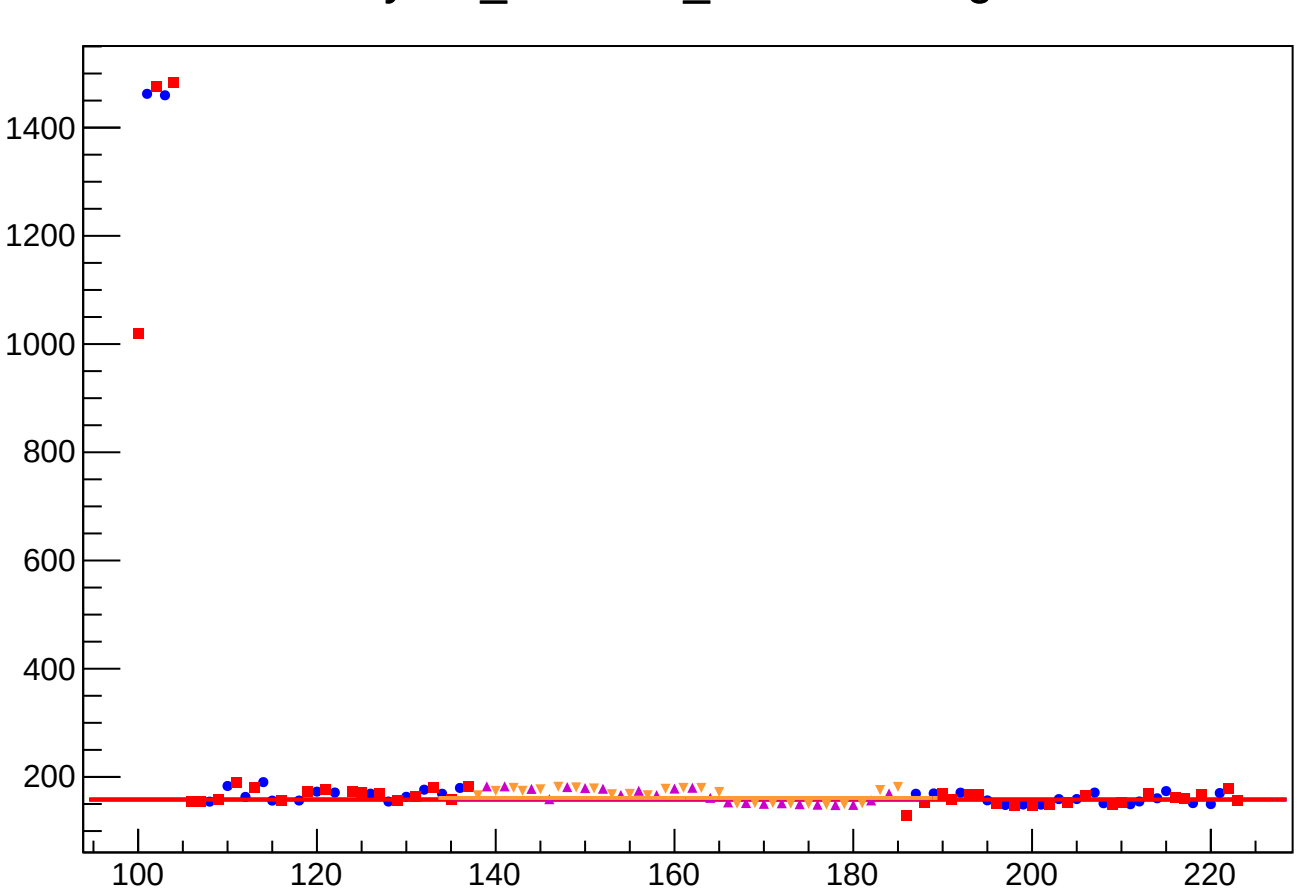
Right Out: 0.090+/-0.000 χ^2/NDF: 30743123.3/38

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.142+/-0.000 χ^2/NDF: 50492638.4/58

All: 0.135+/-0.000 χ^2/NDF: 102327726.0/120

- sign 0.128+/-0.000 χ^2/NDF: 51692719.7/61



Right In: 158.369+/-0.000 χ^2/NDF: 16200366175.0/33

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.062+/-0.000 χ^2/NDF: 18499882414.9/38

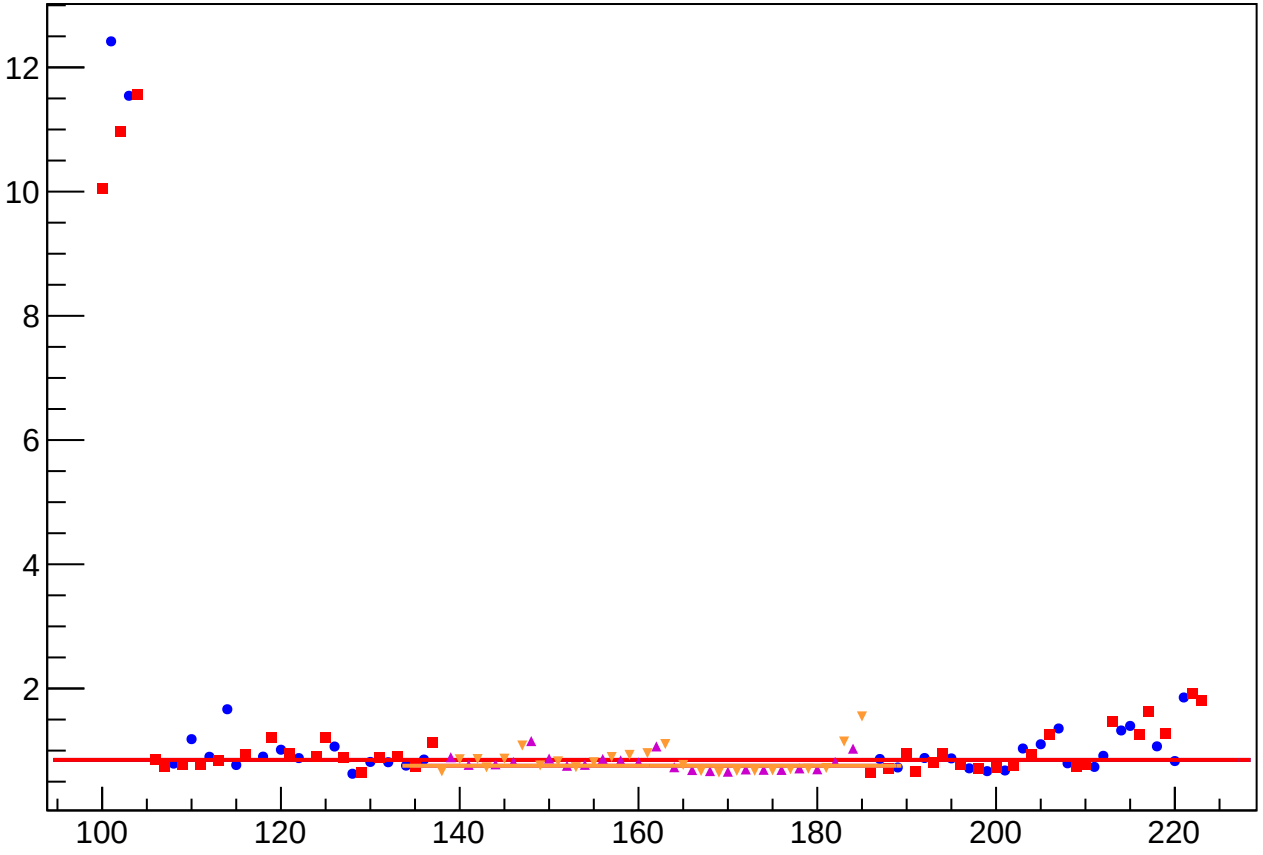
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 159.899+/-0.000 χ^2/NDF: 20024426838.6/58

All: 159.531+/-0.000 χ^2/NDF: 42322583375.

- sign 159.164+/-0.000 χ^2/NDF: 22286112545.7/61

yield_bcm0l02_rms vs Slug



Right In: 0.850+/-0.000 χ^2/NDF: 3722661.5/33

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

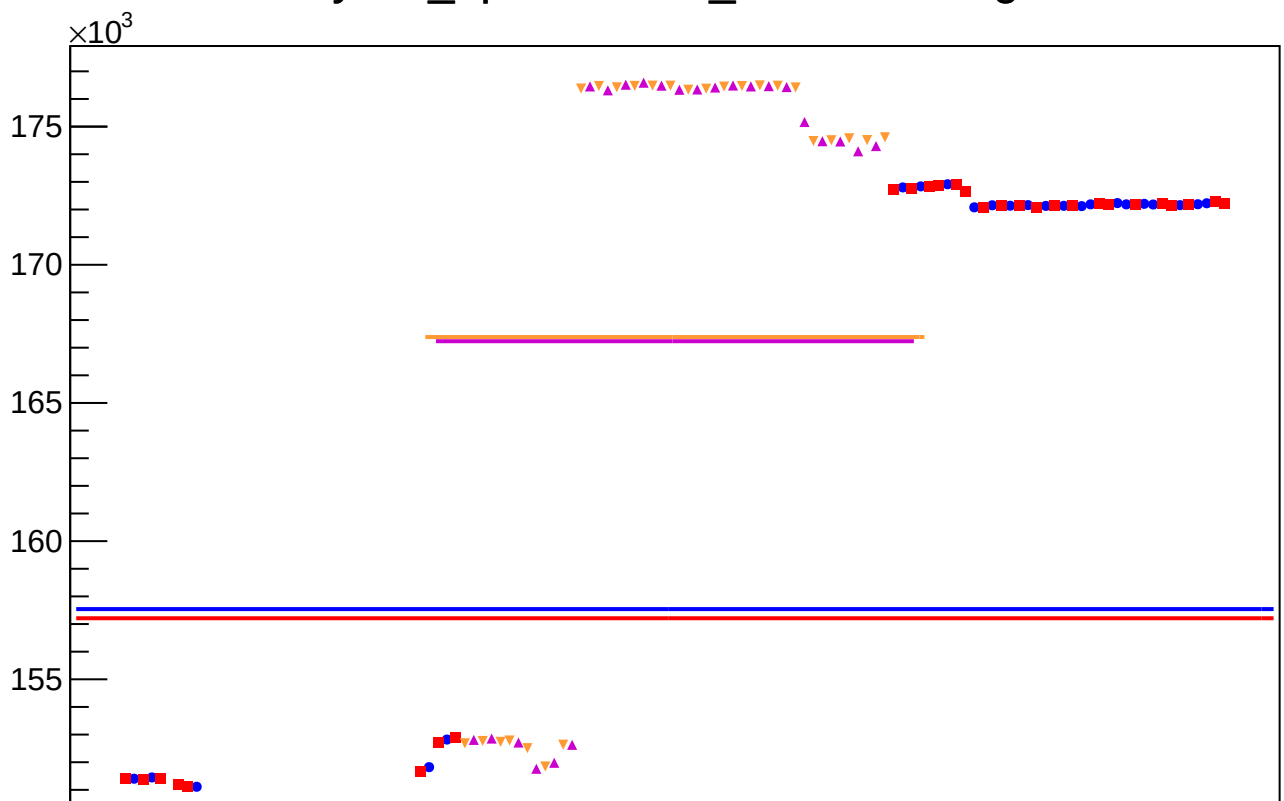
Right Out: 0.850+/-0.000 χ^2/NDF: 4009658.0/38

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.798+/-0.000 χ^2/NDF: 4665172.3/58

All: 0.799+/-0.000 χ^2/NDF: 9347138.5/120

- sign 0.800+/-0.000 χ^2/NDF: 4681835.0/61



Right In: 157541.385+/-0.045 χ^2/NDF: 50972789803.9/33

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 157209.540+/-0.042 χ^2/NDF: 55908816256.6/38

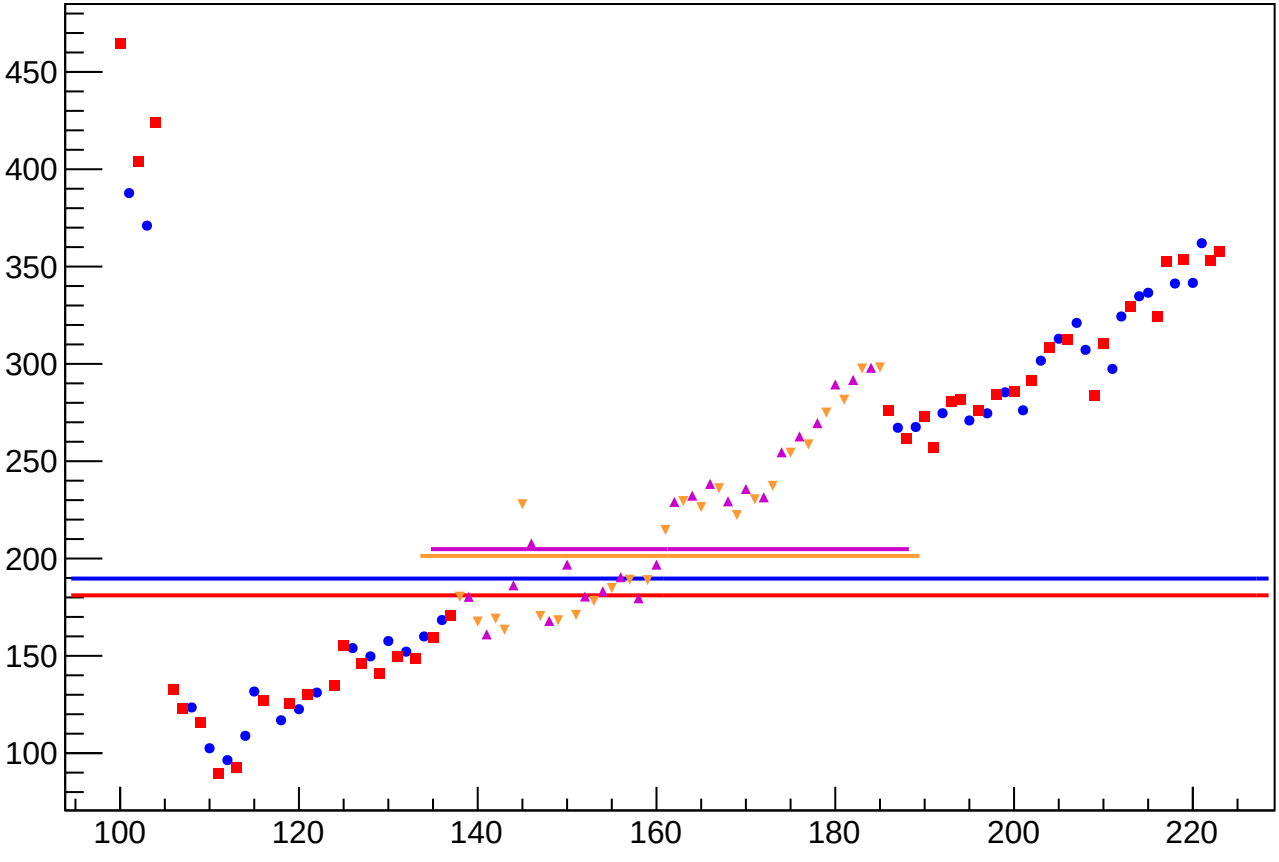
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162276.173+/-0.032 χ^2/NDF: 13360573940

All: 161896.868+/-0.023 χ^2/NDF: 2688463

- sign 161525.565+/-0.032 χ^2/NDF: 13496957045

yield_bpm2i01WS_rms vs Slug



Right In: 189.706+/-0.032 χ^2/NDF: 7716223.2/33

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

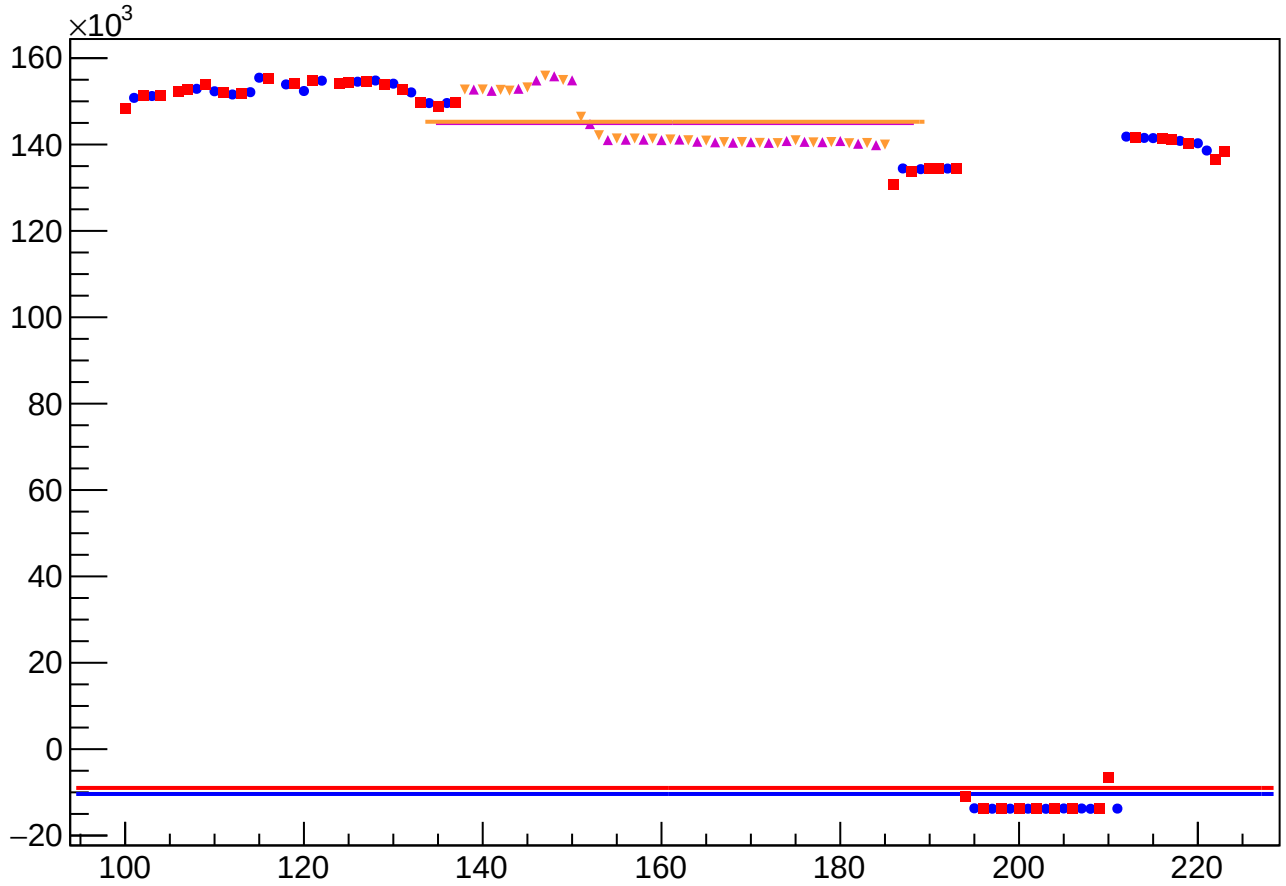
Right Out: 181.075+/-0.030 χ^2/NDF: 8699274.2/38

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 195.296+/-0.023 χ^2/NDF: 9011084.2/58

All: 193.277+/-0.016 χ^2/NDF: 19047864.4/12

- sign 191.300+/-0.023 χ^2/NDF: 10021418.6/61



Right In: -10378.576+/-0.009 χ^2/NDF: 7056084604167.1/33

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8978.766+/-0.009 χ^2/NDF: 8087136146659.4/38

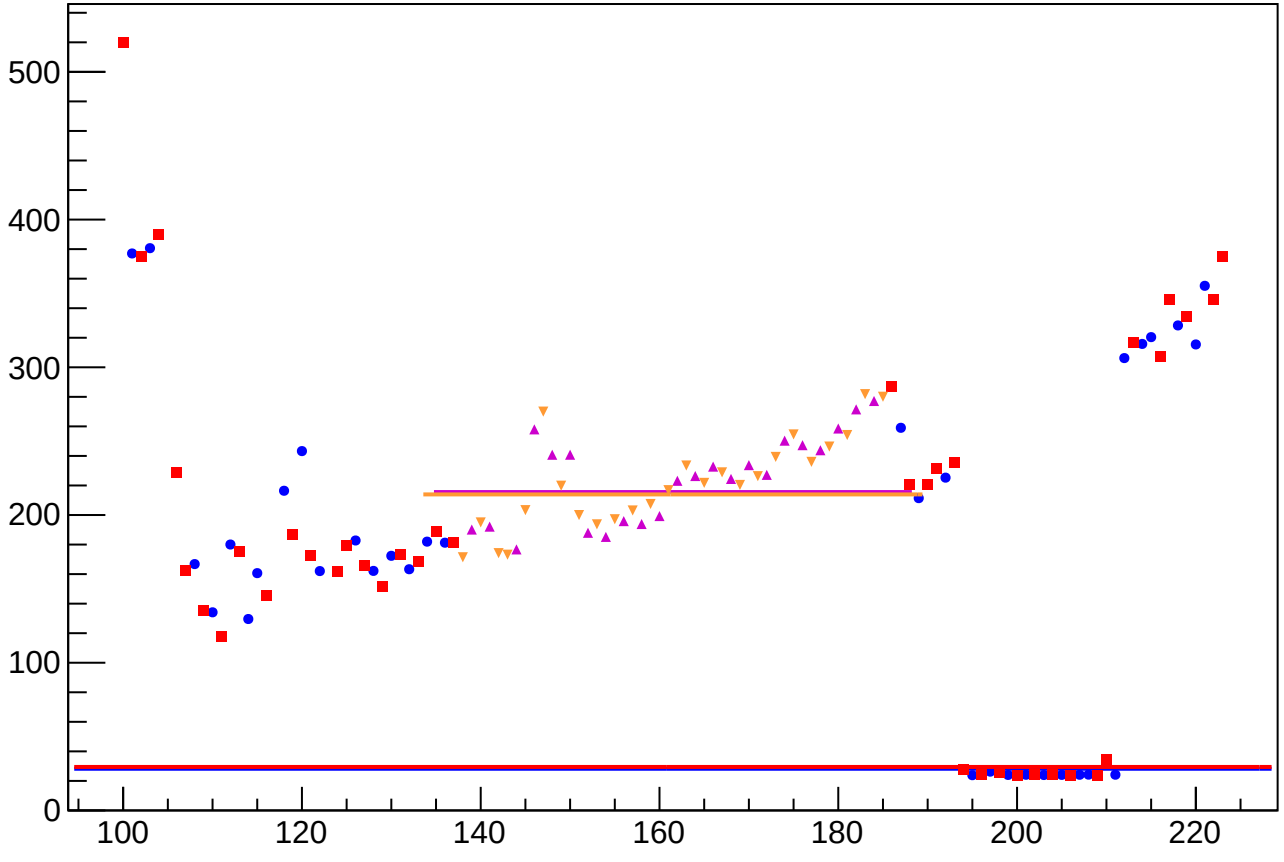
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5660.803+/-0.009 χ^2/NDF: 1670114341521

All: -4884.395+/-0.006 χ^2/NDF: 3356518050

- sign -3992.575+/-0.009 χ^2/NDF: 1684651773453

yield_bpm0i07WS_rms vs Slug



Right In: 28.235+/-0.006 χ^2/NDF: 21655282.3/33

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

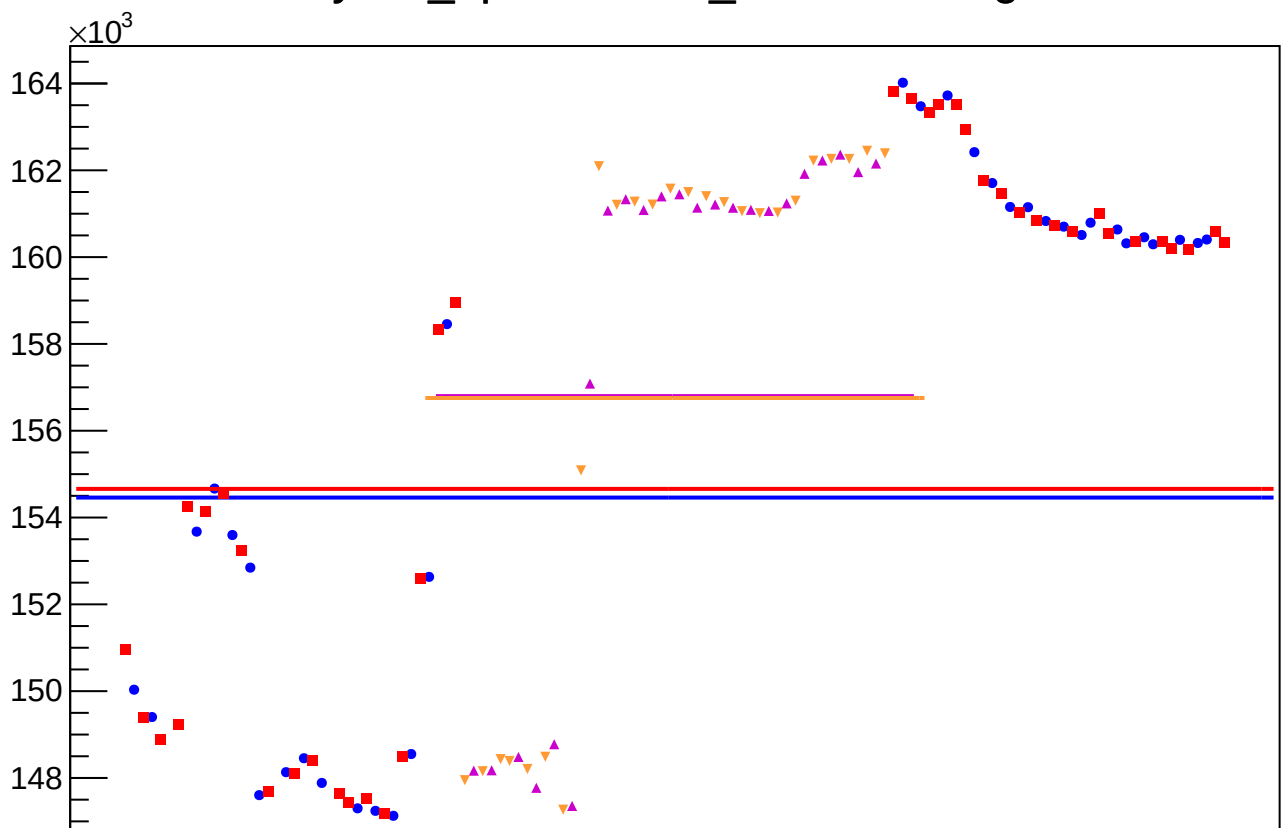
Right Out: 29.447+/-0.007 χ^2/NDF: 22381928.4/38

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.864+/-0.006 χ^2/NDF: 49729541.8/58

All: 34.614+/-0.004 χ^2/NDF: 98305224.4/120

- sign 35.475+/-0.007 χ^2/NDF: 48543032.4/61



Right In: 154460.131+/-0.051 χ^2/NDF: 13380951275.8/33

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154660.220+/-0.049 χ^2/NDF: 14135346115.5/38

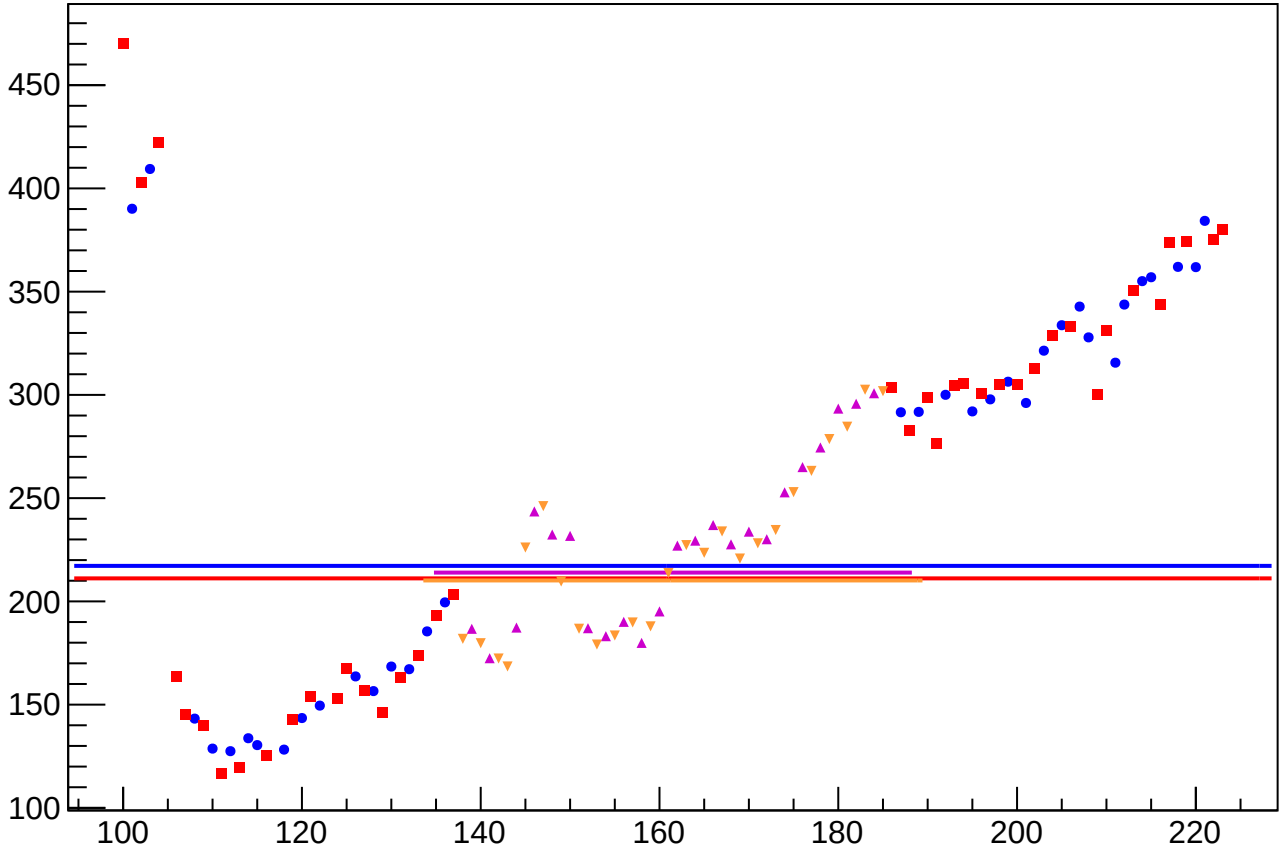
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155651.638+/-0.035 χ^2/NDF: 30830952346.

All: 155664.555+/-0.025 χ^2/NDF: 60233498

- sign 155677.541+/-0.035 χ^2/NDF: 29402125175.8

yield_bpm0i01WS_rms vs Slug



Right In: 217.198+/-0.036 χ^2/NDF: 6394554.9/33

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

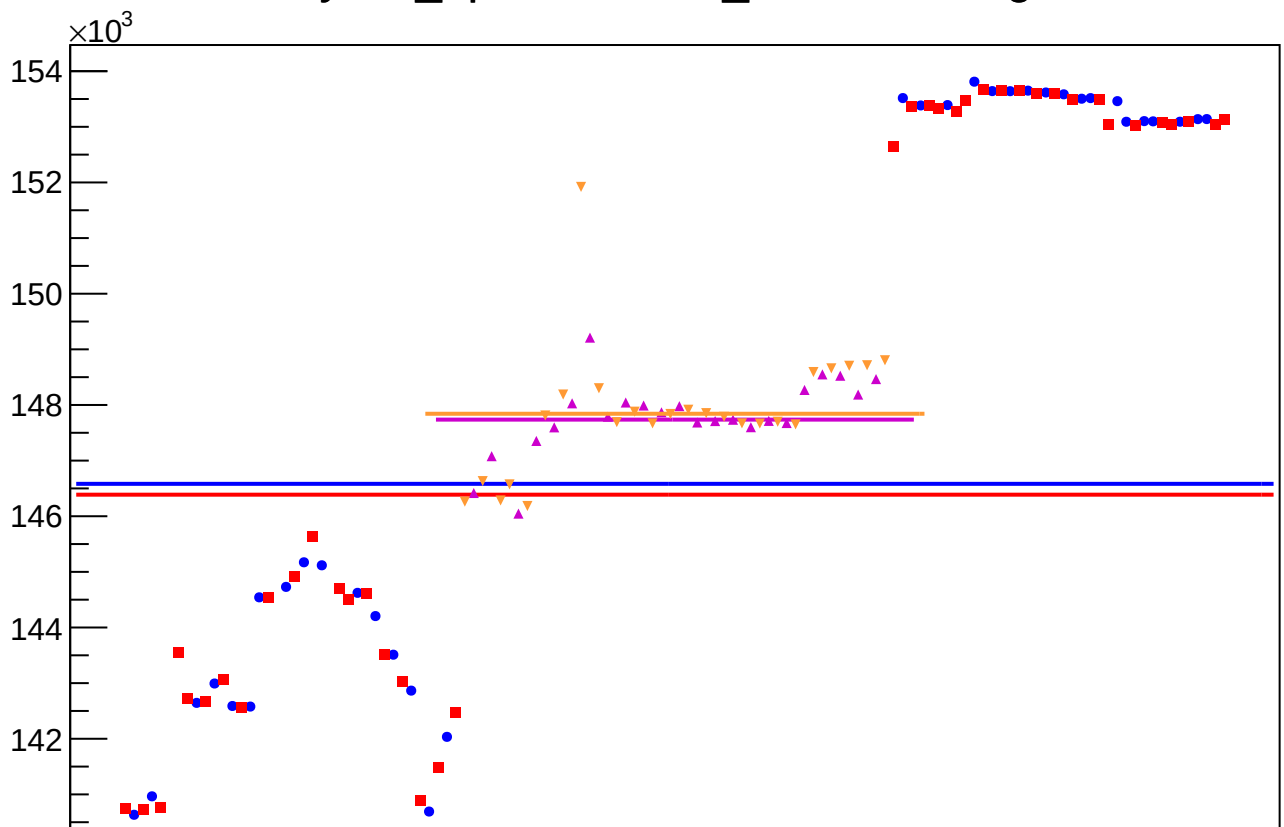
Right Out: 211.142+/-0.034 χ^2/NDF: 6949877.7/38

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 213.533+/-0.025 χ^2/NDF: 7412585.9/58

All: 213.006+/-0.018 χ^2/NDF: 15281008.8/12

- sign 212.476+/-0.025 χ^2/NDF: 7867515.7/61



Right In: 146582.432+/-0.044 χ^2/NDF: 12262721841.8/33

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 146387.497+/-0.041 χ^2/NDF: 13262957834.6/38

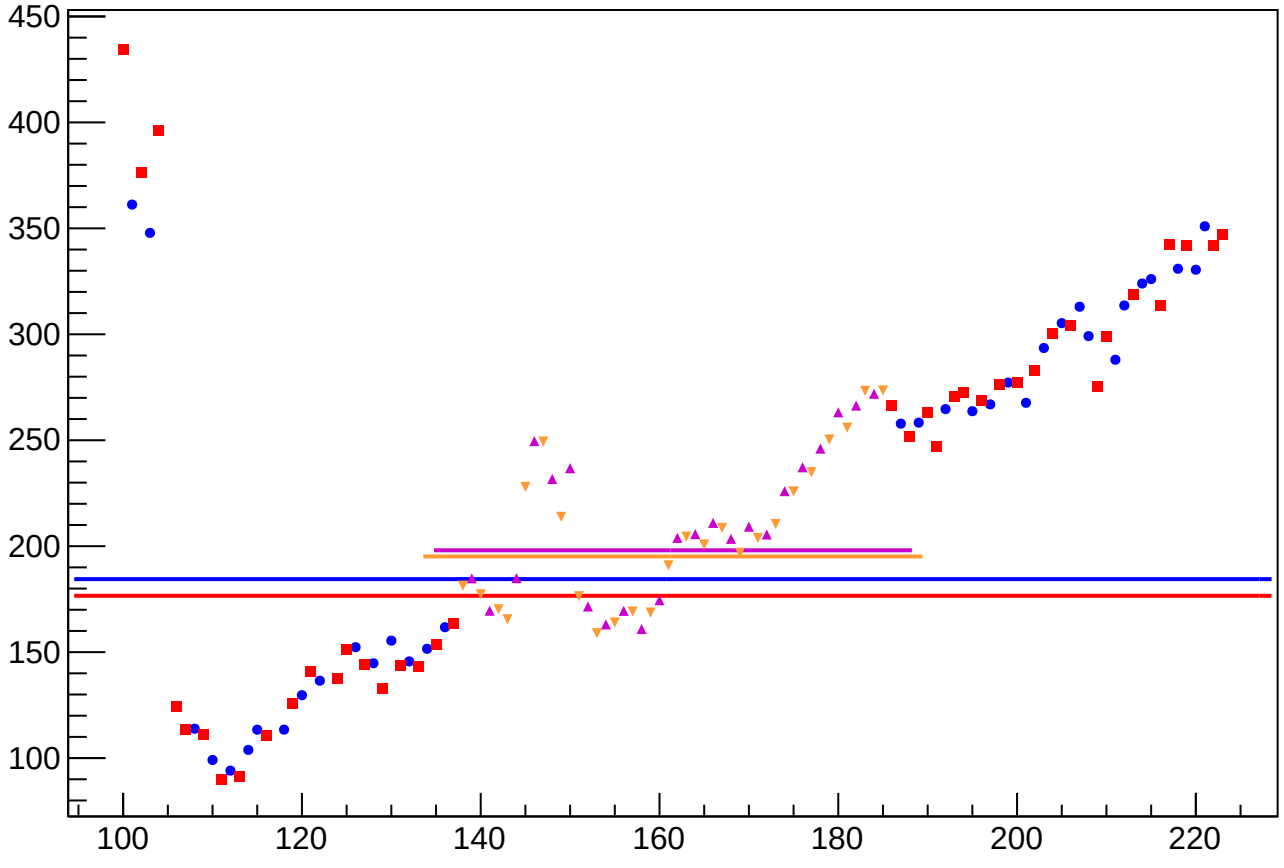
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 147192.366+/-0.031 χ^2/NDF: 13377676914.4

All: 147081.887+/-0.022 χ^2/NDF: 27354741

- sign 146973.555+/-0.031 χ^2/NDF: 13952551584.4

yield_bpm0i01aWS_rms vs Slug



Right In: 184.464+/-0.031 χ^2/NDF: 7638903.4/33

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

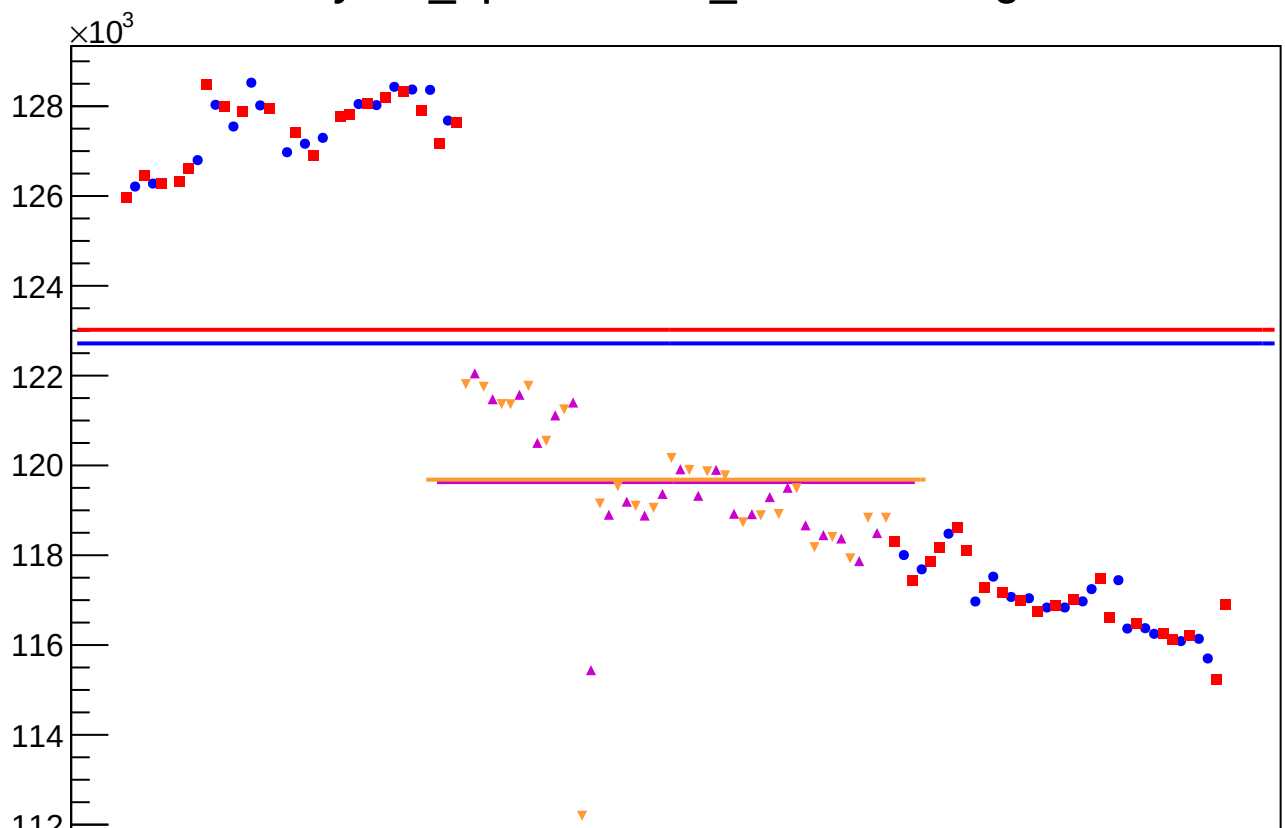
Right Out: 176.587+/-0.029 χ^2/NDF: 8509095.2/38

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 189.636+/-0.022 χ^2/NDF: 8600682.9/58

All: 187.756+/-0.016 χ^2/NDF: 18258561.2/12

- sign 185.913+/-0.022 χ^2/NDF: 9643683.9/61



Right In: 122717.075+/-0.043 χ^2/NDF: 15894390237.2/33

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123021.037+/-0.041 χ^2/NDF: 16886334864.3/38

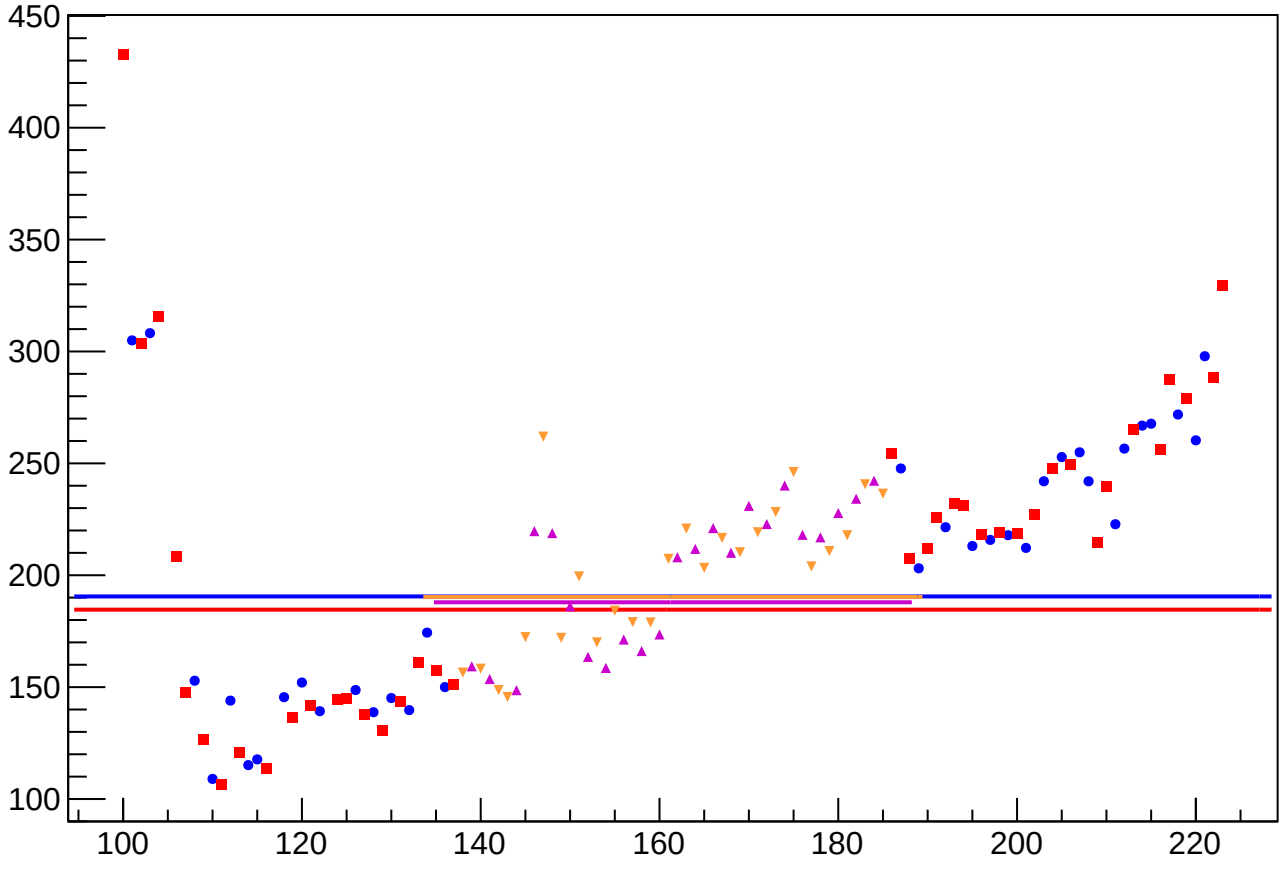
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121254.197+/-0.031 χ^2/NDF: 20312203460.7

All: 121370.279+/-0.022 χ^2/NDF: 41649859

- sign 121483.034+/-0.030 χ^2/NDF: 21309541989.6

yield_bpm0l01WS_rms vs Slug



Right In: 190.527+/-0.030 χ^2/NDF: 3361374.1/33

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

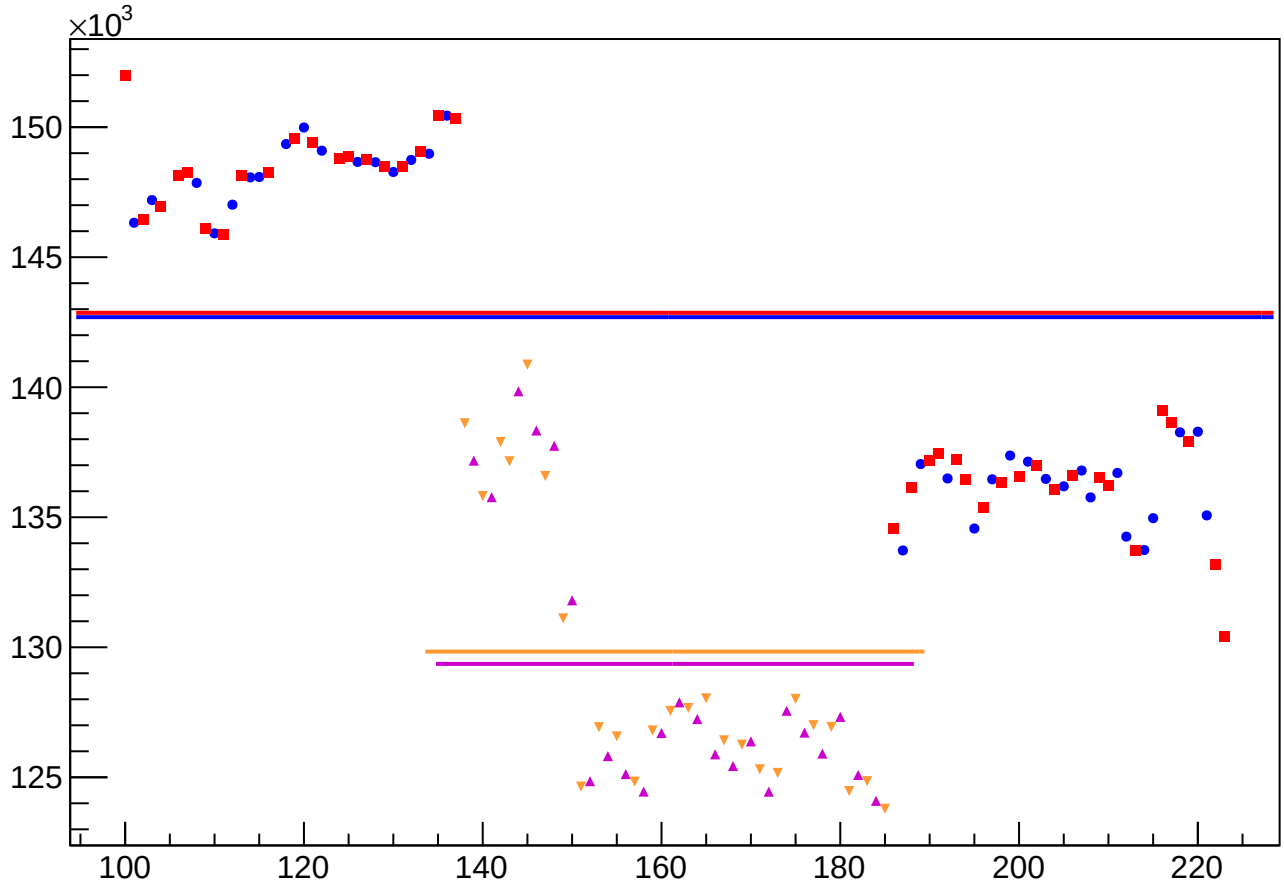
Right Out: 184.623+/-0.029 χ^2/NDF: 4151224.4/38

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 190.416+/-0.022 χ^2/NDF: 4285944.2/58

All: 188.233+/-0.015 χ^2/NDF: 9388922.2/120

- sign 186.113+/-0.021 χ^2/NDF: 5083093.7/61



Right In: 142694.433+/-0.060 χ^2/NDF: 11173148079.5/33

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 142860.348+/-0.057 χ^2/NDF: 11754337699.1/38

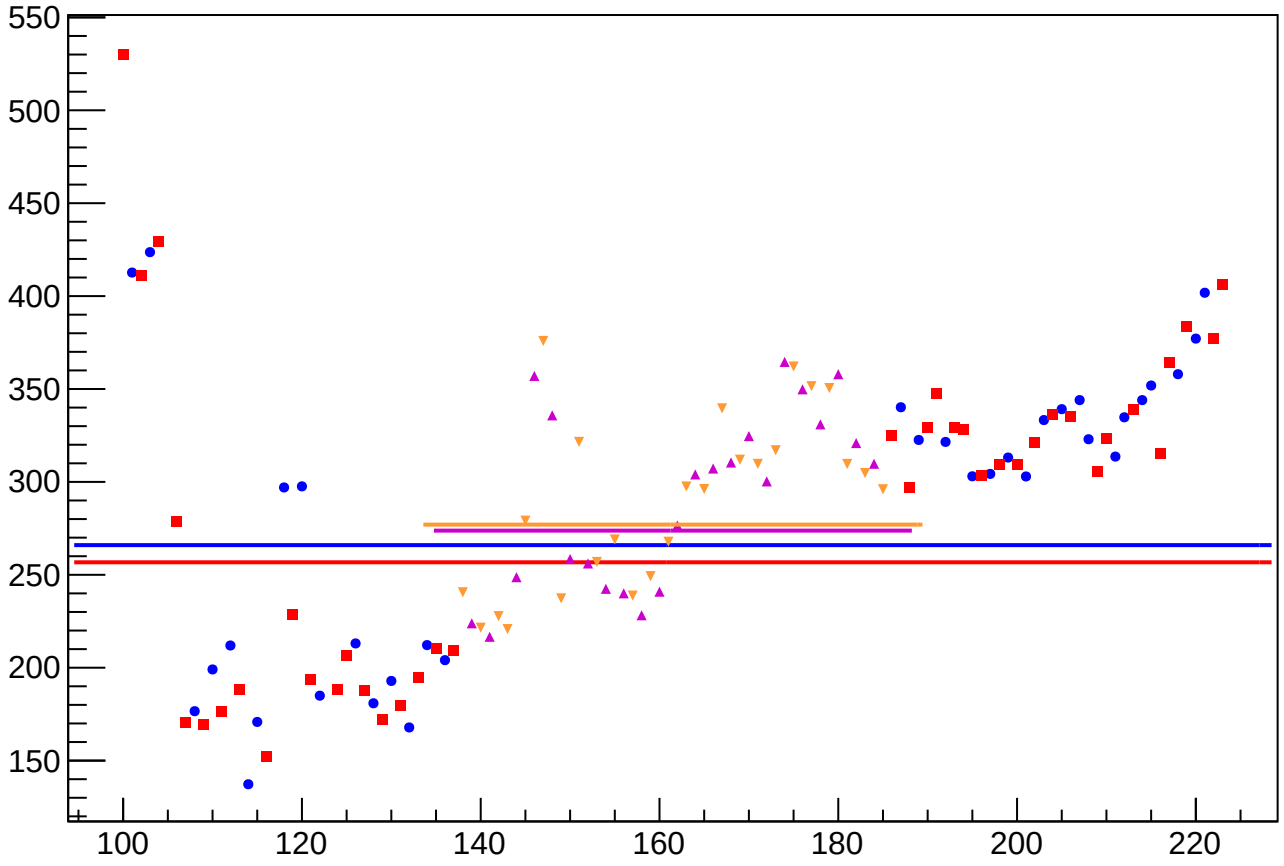
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136744.205+/-0.044 χ^2/NDF: 39526835353.

All: 136904.220+/-0.031 χ^2/NDF: 82264683

- sign 137058.249+/-0.043 χ^2/NDF: 42711496469.

yield_bpm0l02WS_rms vs Slug



Right In: 265.978+/-0.042 χ^2/NDF: 3327326.9/33

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

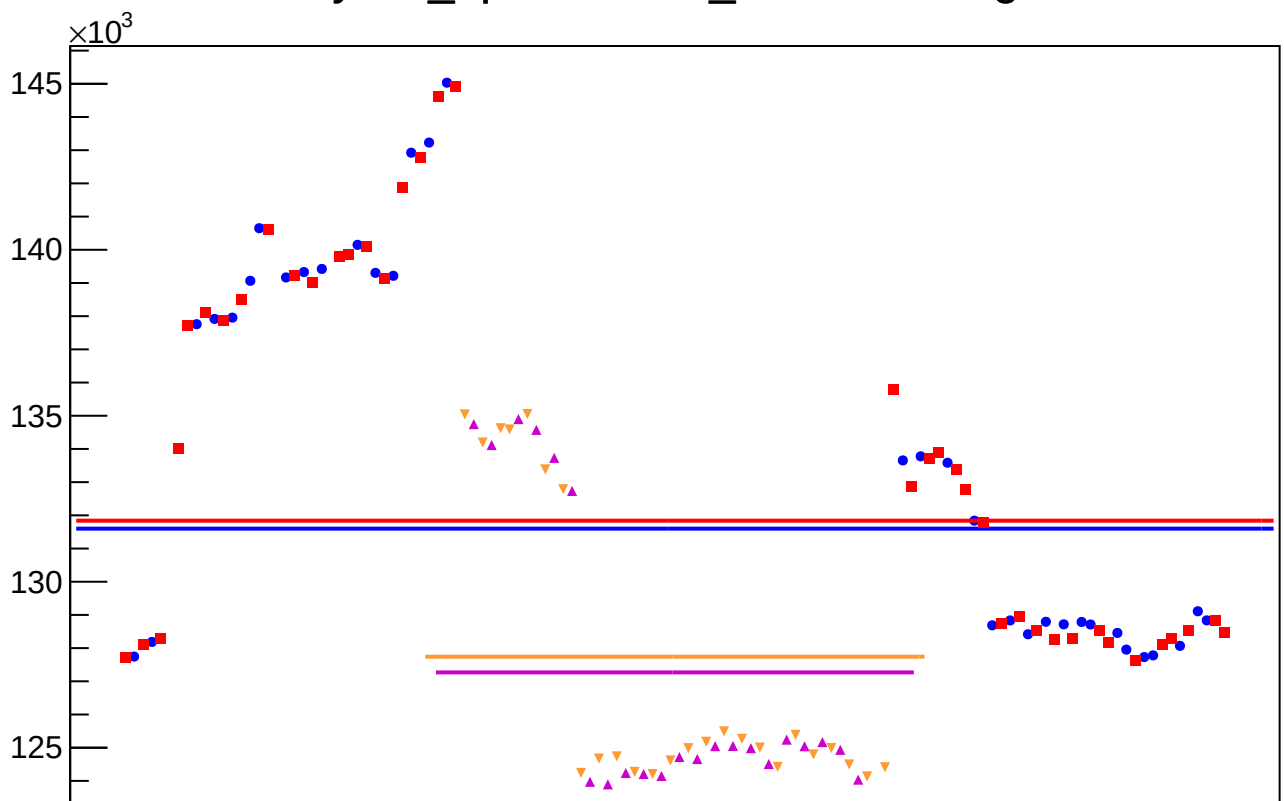
Right Out: 256.736+/-0.040 χ^2/NDF: 3727862.1/38

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 271.088+/-0.031 χ^2/NDF: 4305722.1/58

All: 267.508+/-0.022 χ^2/NDF: 9141473.8/120

- sign 264.063+/-0.030 χ^2/NDF: 4809382.5/61



Right In: 131599.763+/-0.093 χ^2/NDF: 3033855329.9/33

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 131839.276+/-0.094 χ^2/NDF: 2333881434.0/38

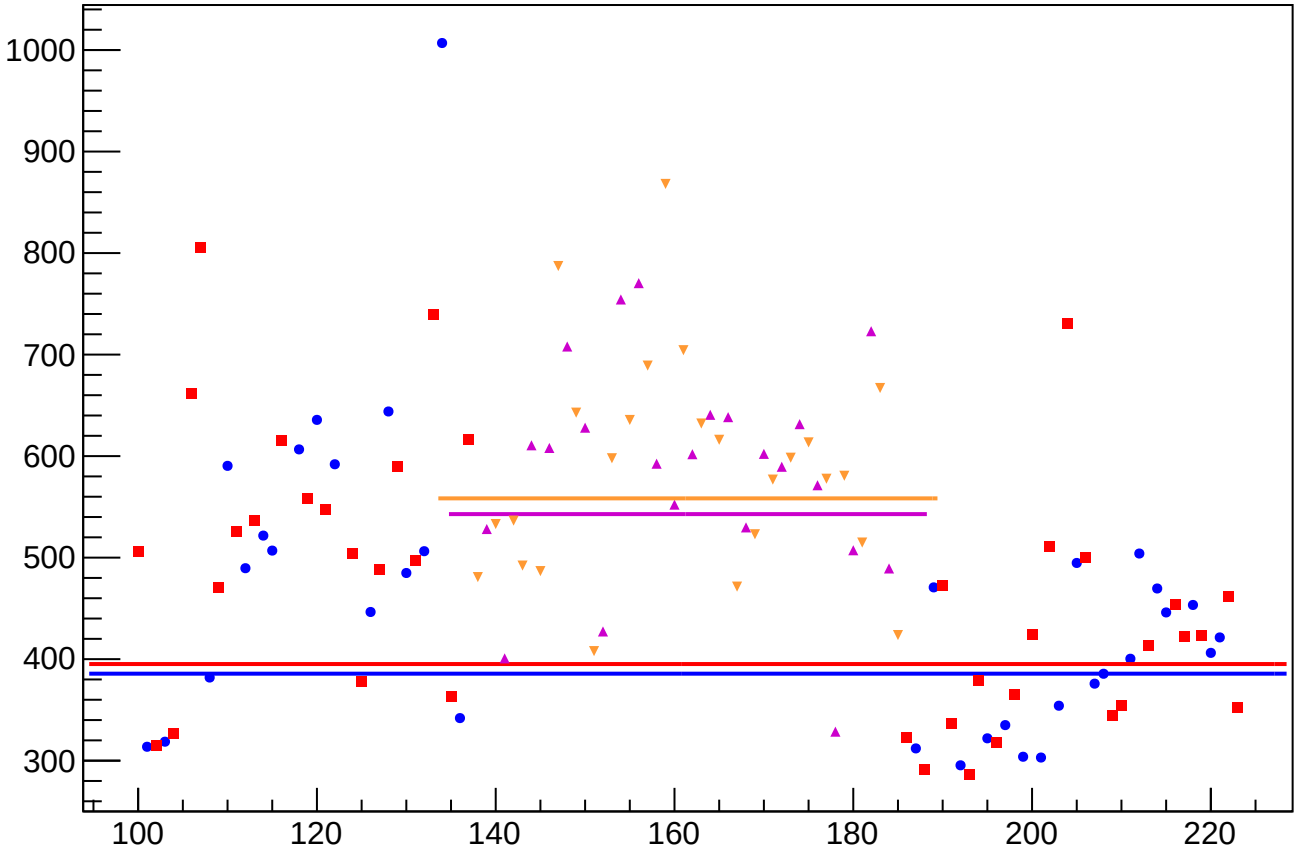
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130367.707+/-0.077 χ^2/NDF: 4677769463.9

All: 130382.705+/-0.055 χ^2/NDF: 87277864

- sign 130398.183+/-0.078 χ^2/NDF: 4049939069.7/

yield_bpm0l03WS_rms vs Slug



Right In: 385.694+/-0.066 χ^2/NDF: 1813035.3/33

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

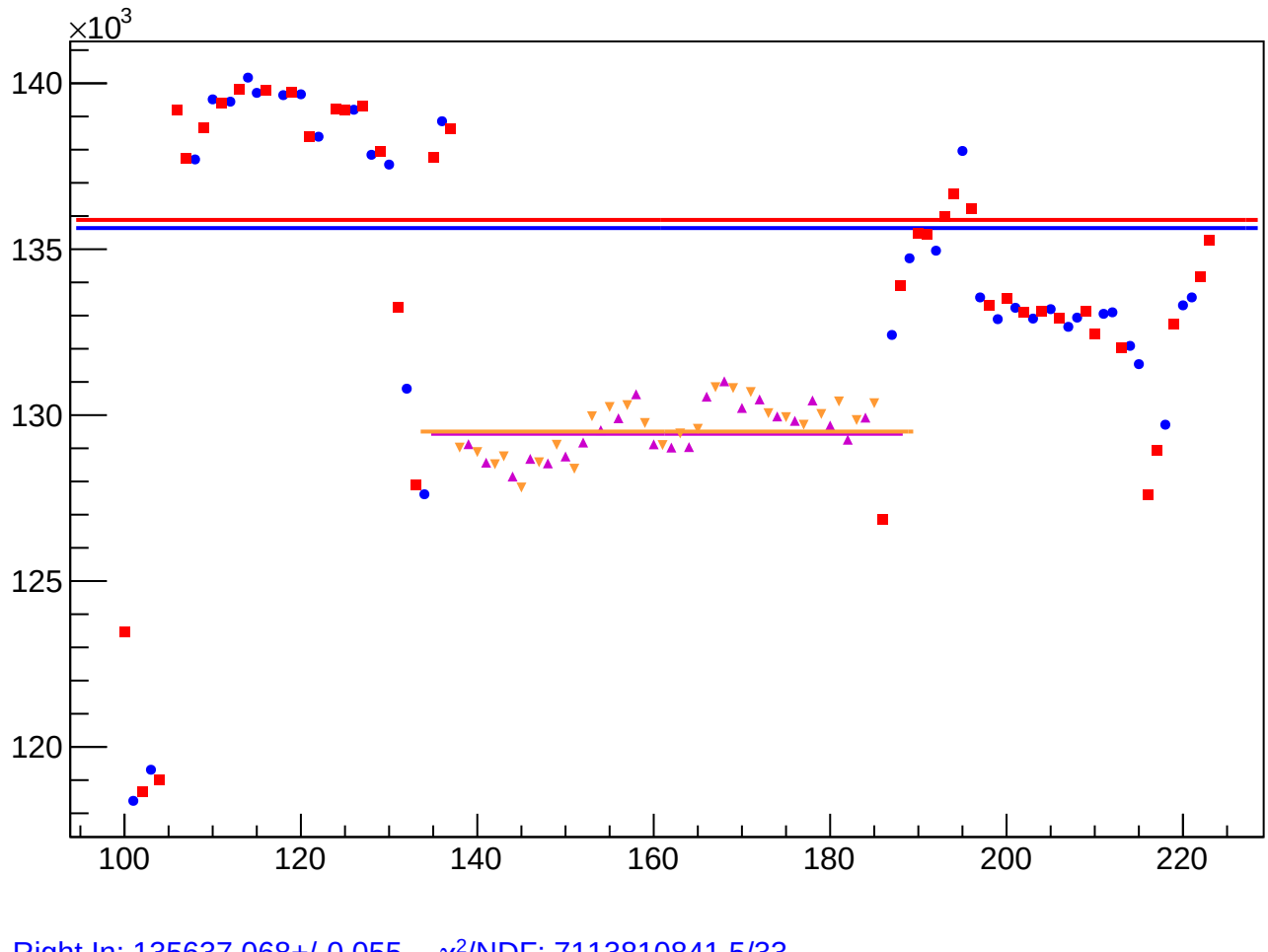
Right Out: 395.183+/-0.067 χ^2/NDF: 2081323.1/38

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 440.830+/-0.054 χ^2/NDF: 4989850.4/58

All: 441.282+/-0.039 χ^2/NDF: 10042921.0/12

- sign 441.748+/-0.055 χ^2/NDF: 5052929.5/61



Right In: 135637.068+/-0.055 χ^2/NDF: 7113810841.5/33

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 135883.033+/-0.053 χ^2/NDF: 7873036096.9/38

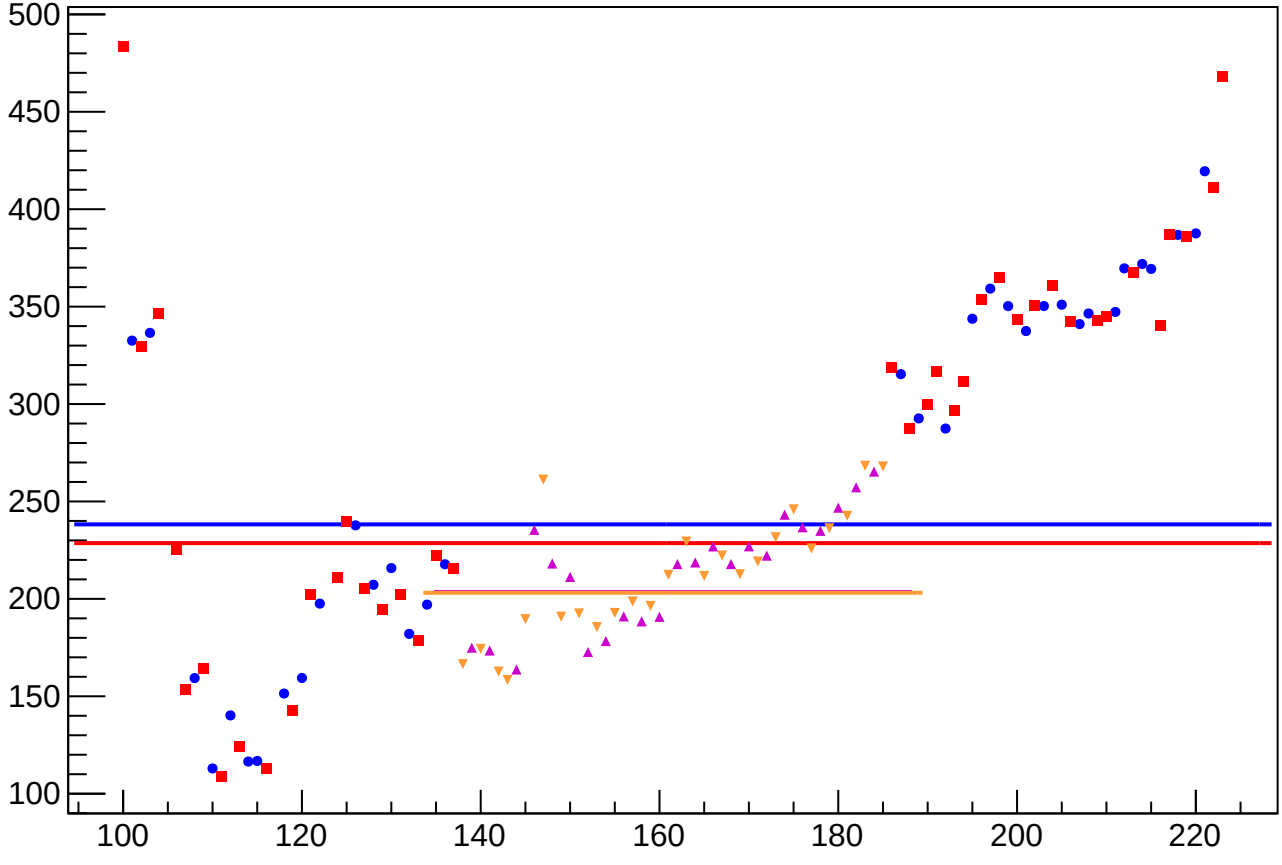
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132067.038+/-0.036 χ^2/NDF: 14526417306.

All: 132227.520+/-0.025 χ^2/NDF: 30811421

- sign 132386.325+/-0.036 χ^2/NDF: 16245157624.

yield_bpm0l04WS_rms vs Slug



Right In: 238.235+/-0.039 χ^2/NDF: 6059548.5/33

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

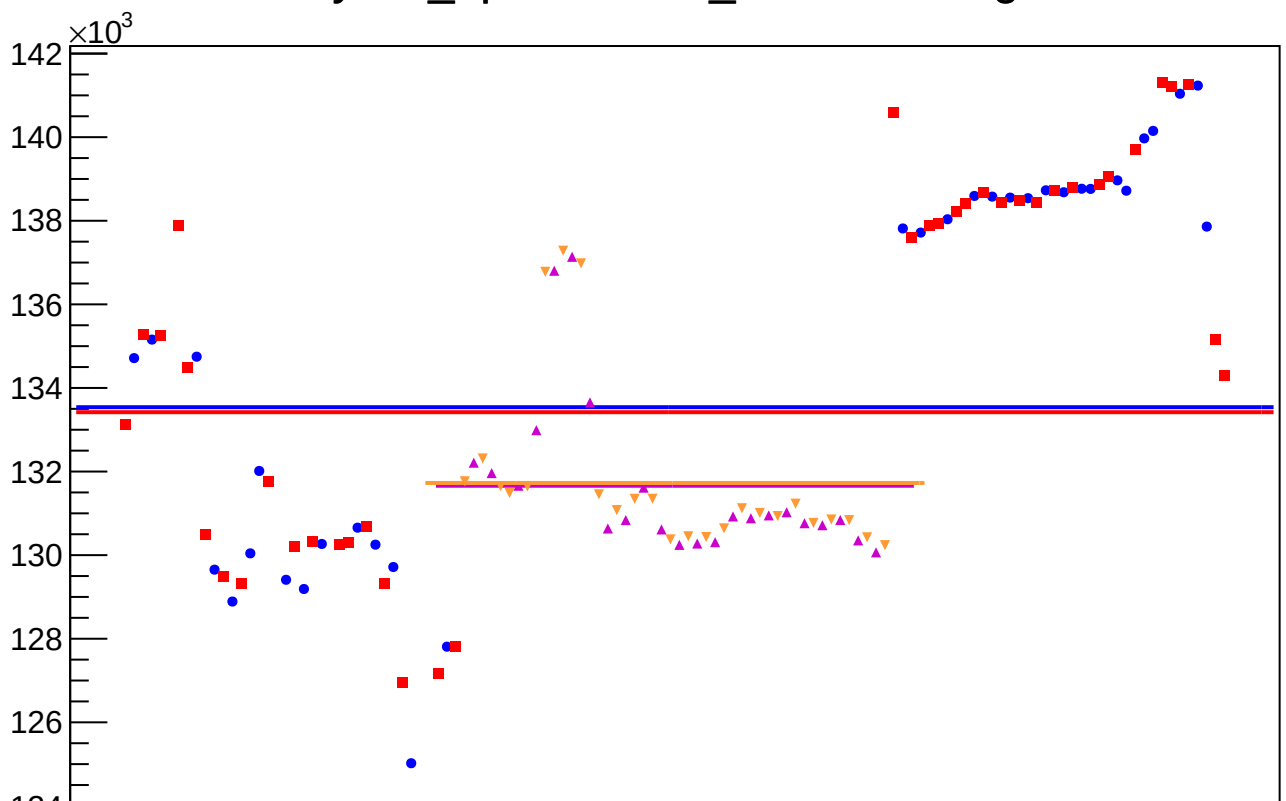
Right Out: 228.618+/-0.037 χ^2/NDF: 6940140.2/38

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 217.797+/-0.025 χ^2/NDF: 7284255.2/58

All: 216.399+/-0.018 χ^2/NDF: 15141684.0/12

- sign 215.016+/-0.025 χ^2/NDF: 7851385.6/61



Right In: 133539.316+/-0.049 χ^2/NDF: 11067744558.3/33

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133419.944+/-0.047 χ^2/NDF: 10950527357.9/38

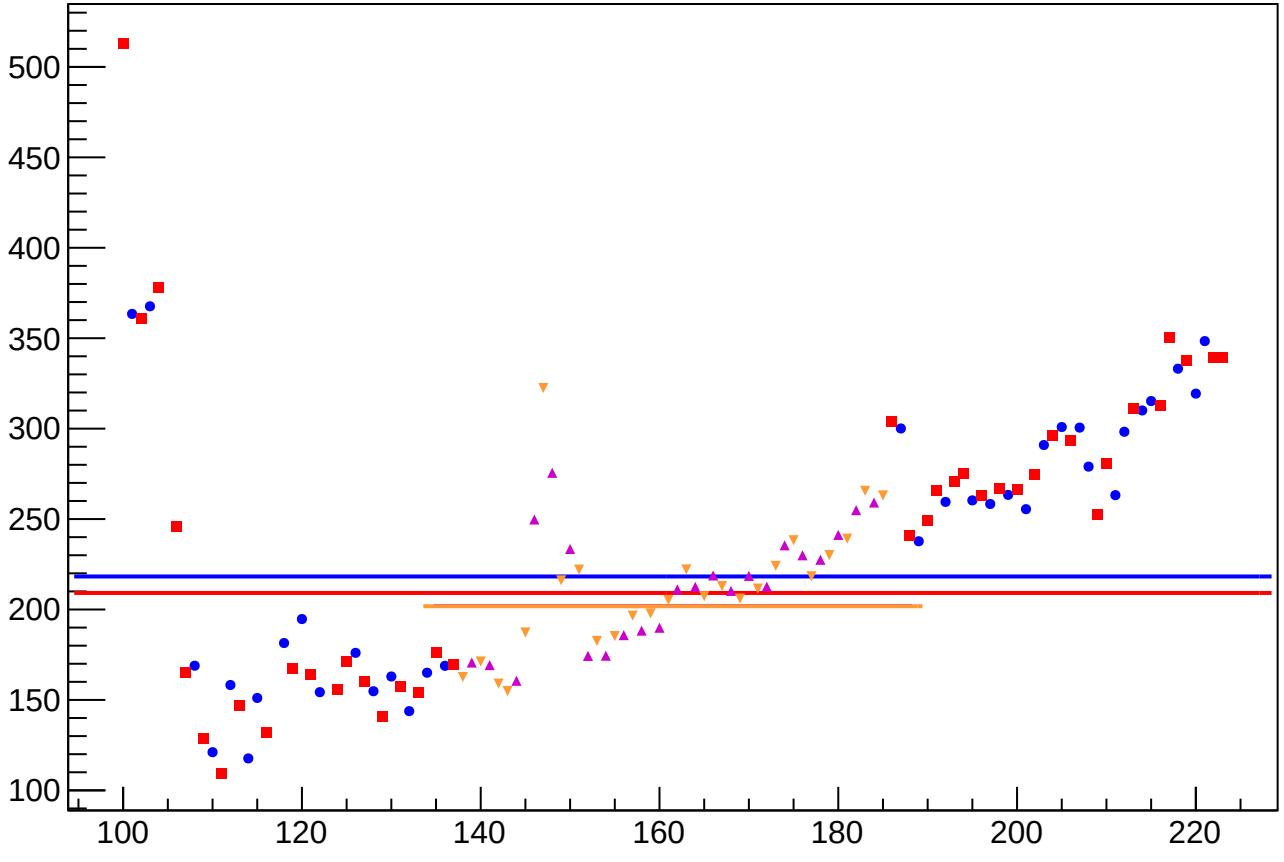
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132583.873+/-0.034 χ^2/NDF: 13200334168.

All: 132572.169+/-0.024 χ^2/NDF: 25997900

- sign 132560.703+/-0.034 χ^2/NDF: 12797331972.

yield_bpm0l05WS_rms vs Slug



Right In: 218.261+/-0.035 χ^2/NDF: 4033393.3/33

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

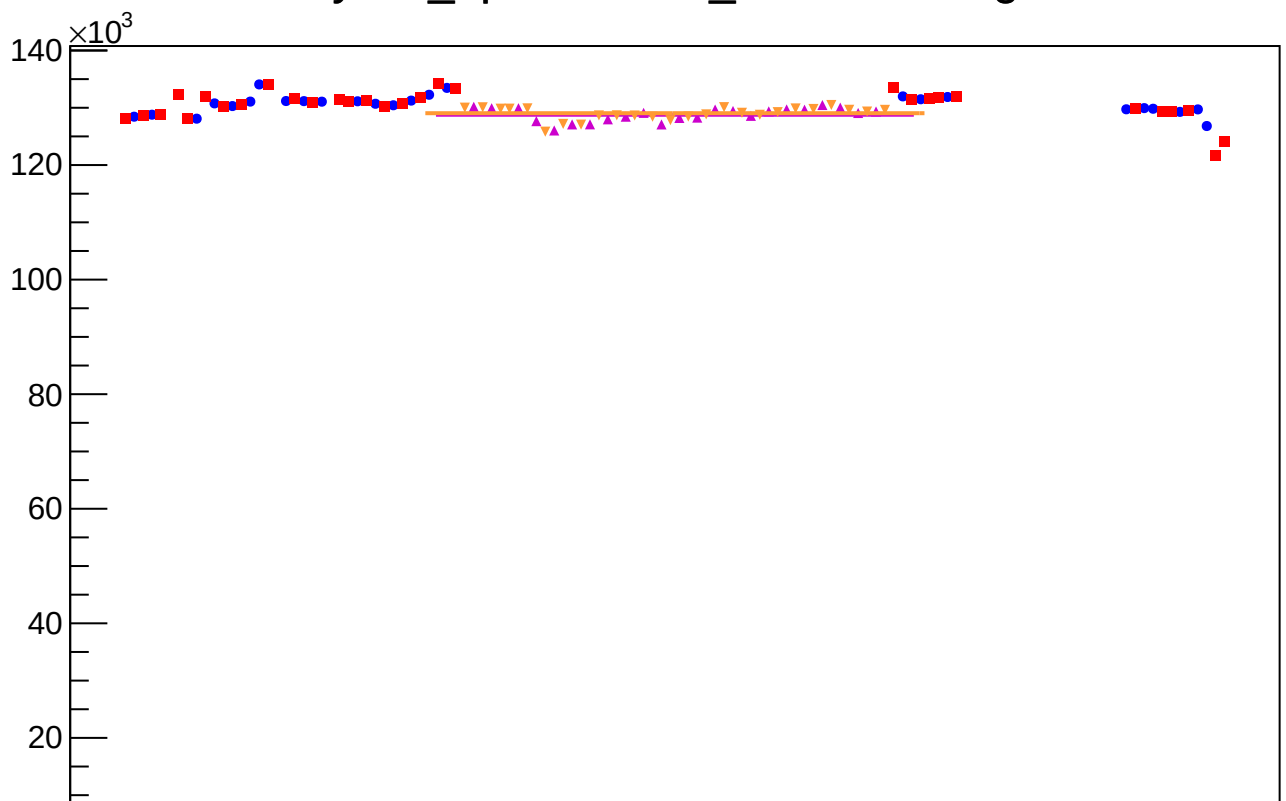
Right Out: 209.148+/-0.033 χ^2/NDF: 5070253.8/38

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 209.581+/-0.024 χ^2/NDF: 5055528.1/58

All: 207.586+/-0.017 χ^2/NDF: 10964967.9/12

- sign 205.631+/-0.024 χ^2/NDF: 5895813.6/61



Right In: 3573.936+/-0.005 χ^2/NDF: 5893255619501.5/33

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4016.520+/-0.005 χ^2/NDF: 6642090247346.0/38

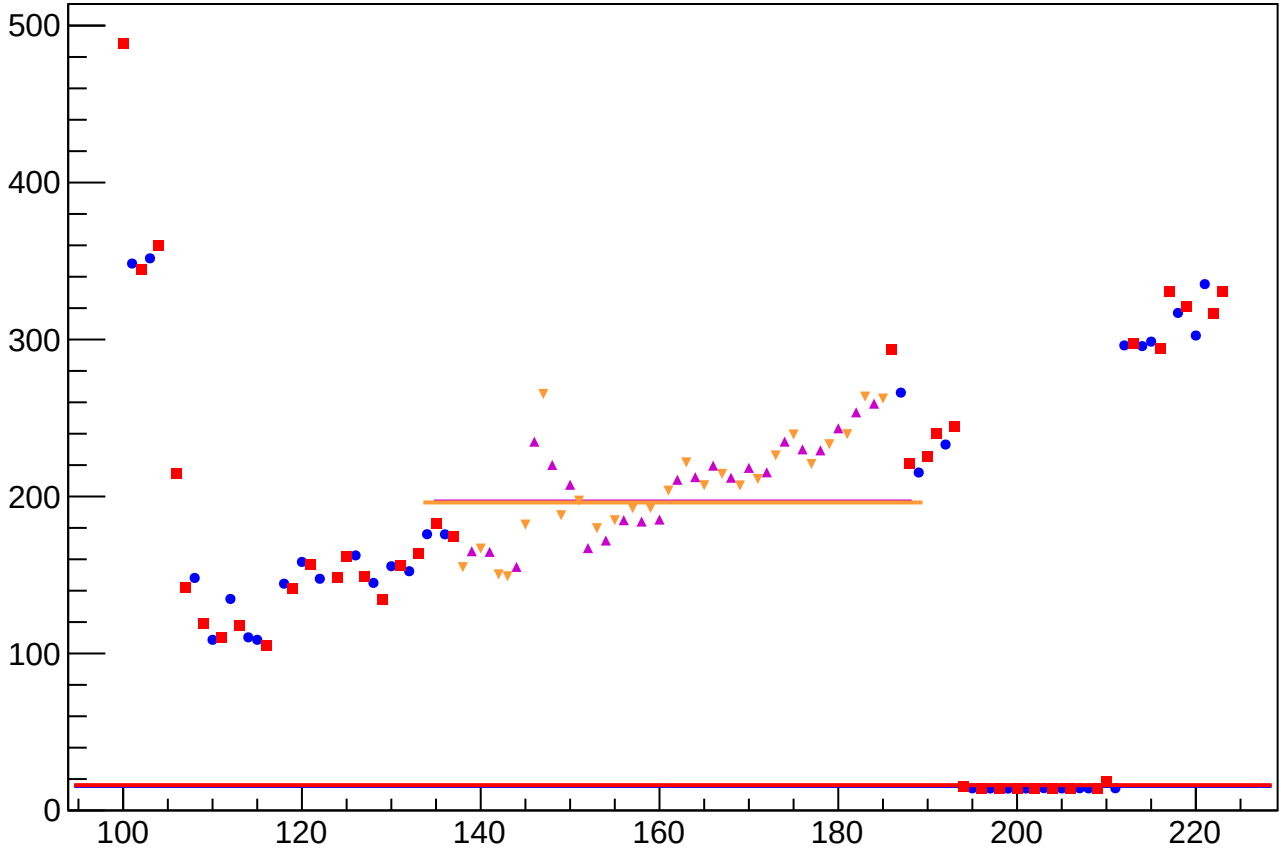
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 5103.026+/-0.005 χ^2/NDF: 13409028733844

All: 5369.561+/-0.004 χ^2/NDF: 2704159596

- sign 5679.347+/-0.005 χ^2/NDF: 13626476174428

yield_bpm0l06WS_rms vs Slug



Right In: 15.623+/-0.004 χ^2/NDF: 24102191.8/33

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

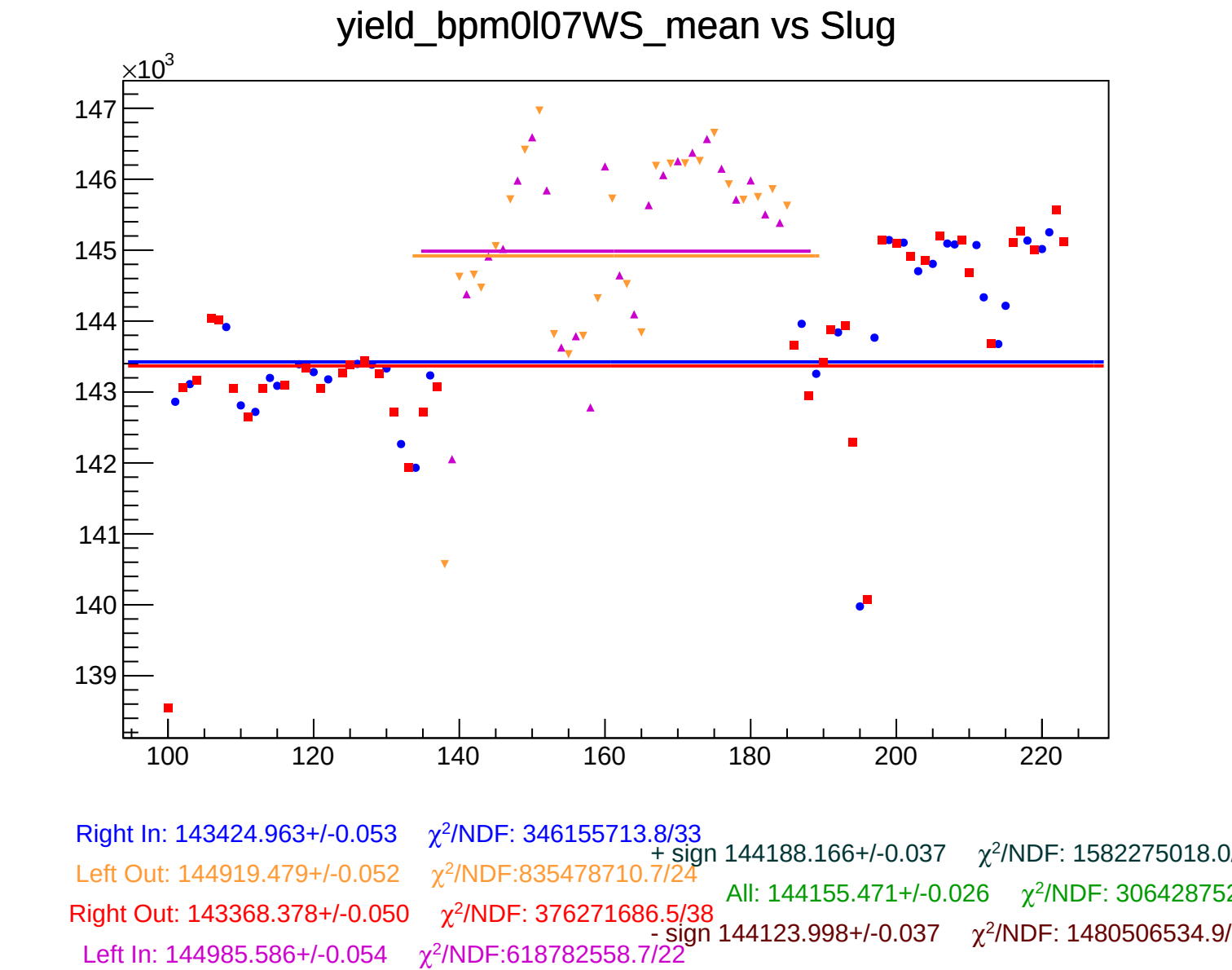
Right Out: 16.114+/-0.004 χ^2/NDF: 25074236.3/38

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

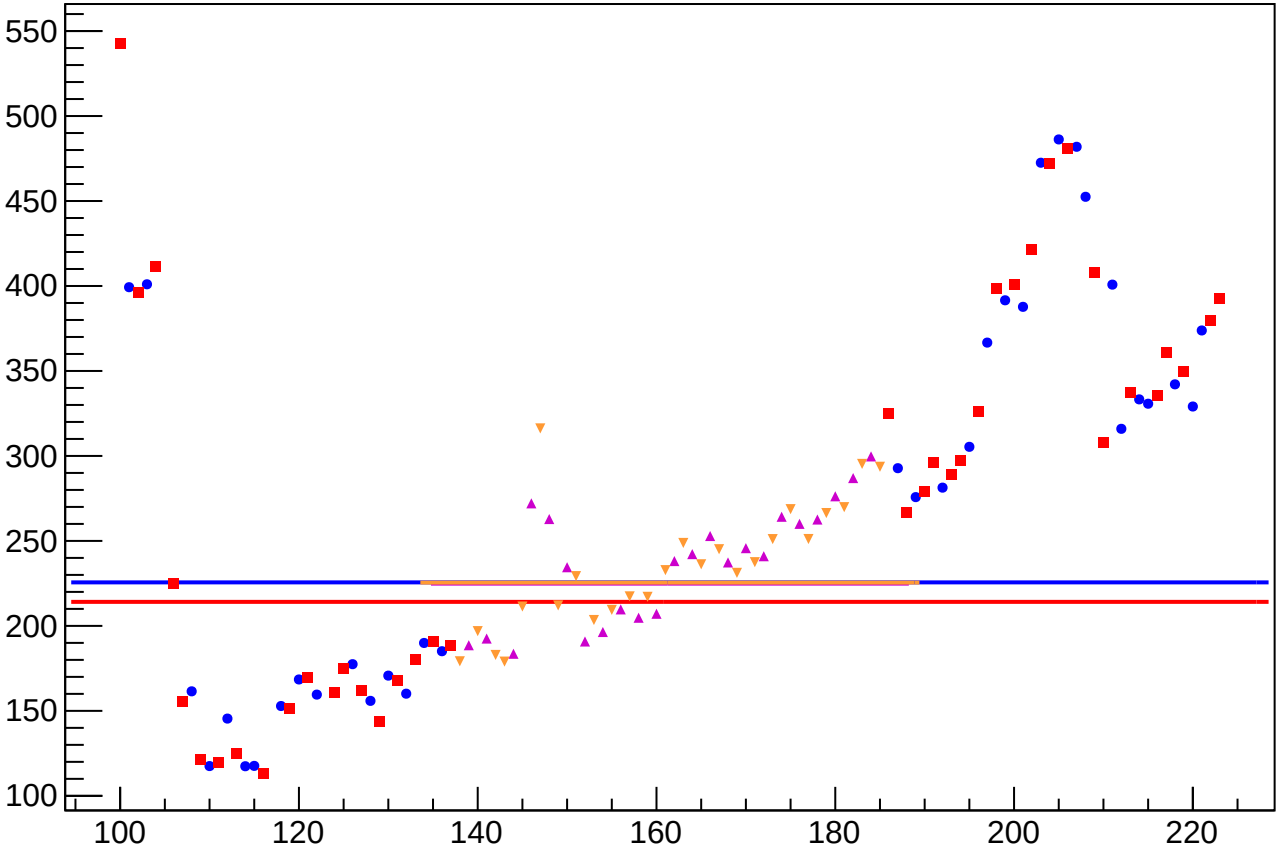
+ sign 17.823+/-0.004 χ^2/NDF: 56155703.2/58

All: 18.147+/-0.003 χ^2/NDF: 111327002.3/12

- sign 18.522+/-0.004 χ^2/NDF: 55153368.8/61


yield_bpm0l07WS_mean vs Slug
×10^3
147
146
145
144
143
142
141
140
139
100
120
140
160
180
200
220
Right In: 143424.963+/-0.053 χ²/NDF: 346155713.8/33
Left Out: 144919.479+/-0.052 χ²/NDF:835478710.7/24
Right Out: 143368.378+/-0.050 χ²/NDF: 376271686.5/38
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
+ sign 144188.166+/-0.037 χ²/NDF: 1582275018.0
All: 144155.471+/-0.026 χ²/NDF: 30642875
- sign 144123.998+/-0.037 χ²/NDF: 1480506534.9/

yield_bpm0l07WS_rms vs Slug



Right In: 225.600+/-0.038 χ^2/NDF: 7385297.6/33

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

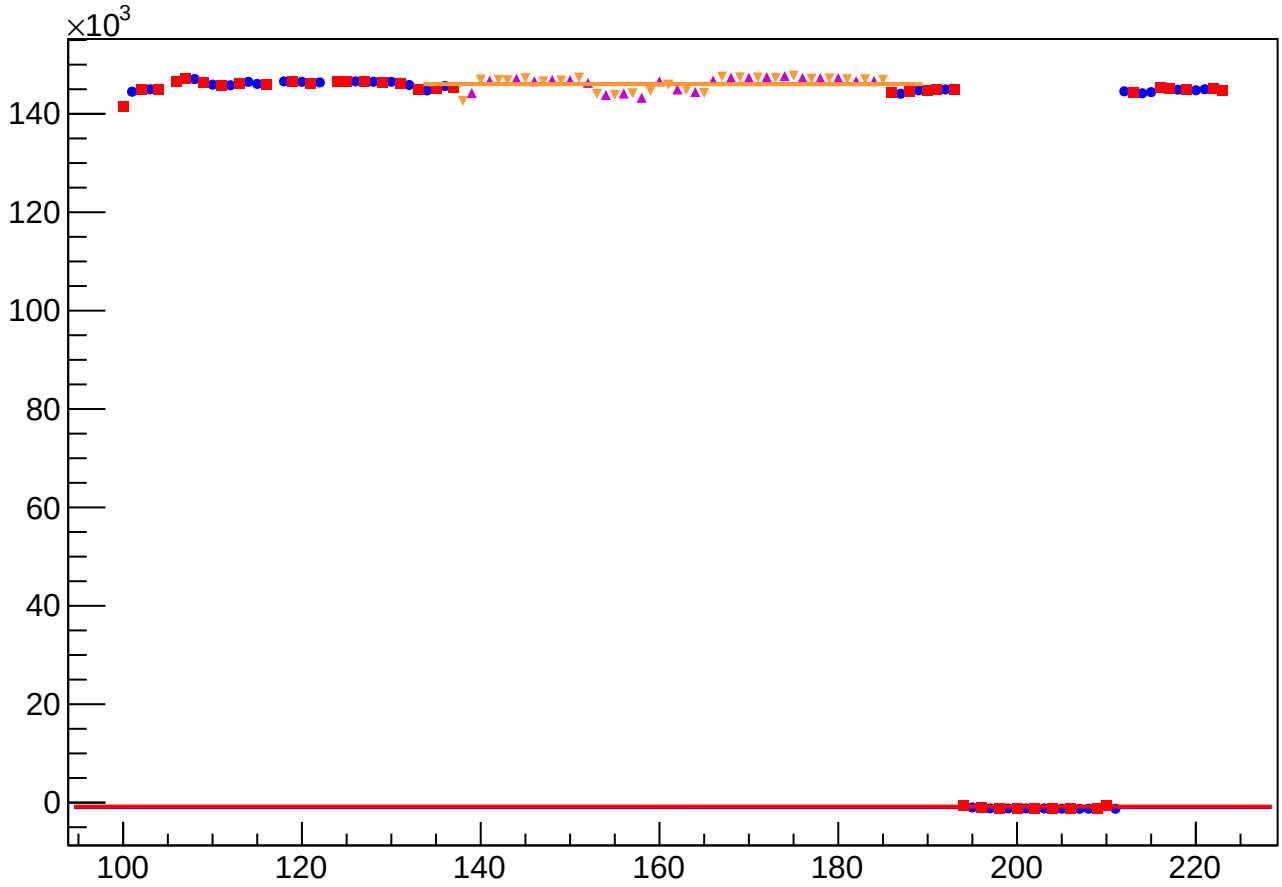
Right Out: 214.138+/-0.035 χ^2/NDF: 8302615.5/38

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 225.538+/-0.026 χ^2/NDF: 8160668.4/58

All: 222.284+/-0.018 χ^2/NDF: 17259680.7/12

- sign 219.152+/-0.026 χ^2/NDF: 9069179.1/61



Right In: -923.287+/-0.003 χ^2/NDF: 6369827674589.5/33

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

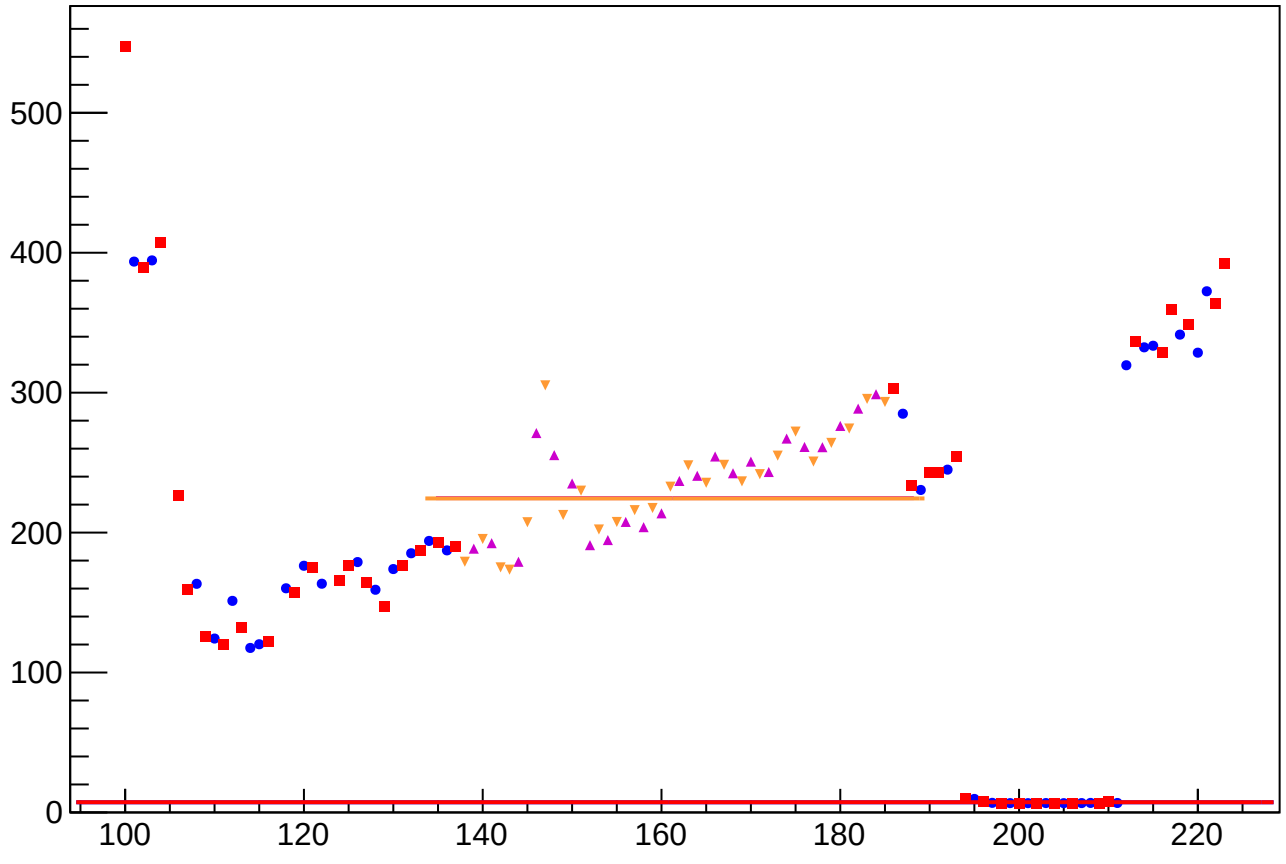
Right Out: -822.306+/-0.003 χ^2/NDF: 7281720182717.6/38

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -583.633+/-0.003 χ^2/NDF: 14336988946696

All: -523.399+/-0.002 χ^2/NDF: 2912166950

- sign -454.108+/-0.003 χ^2/NDF: 14783432584722.



Right In: 7.261+/-0.002 χ^2/NDF: 26371441.9/33

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

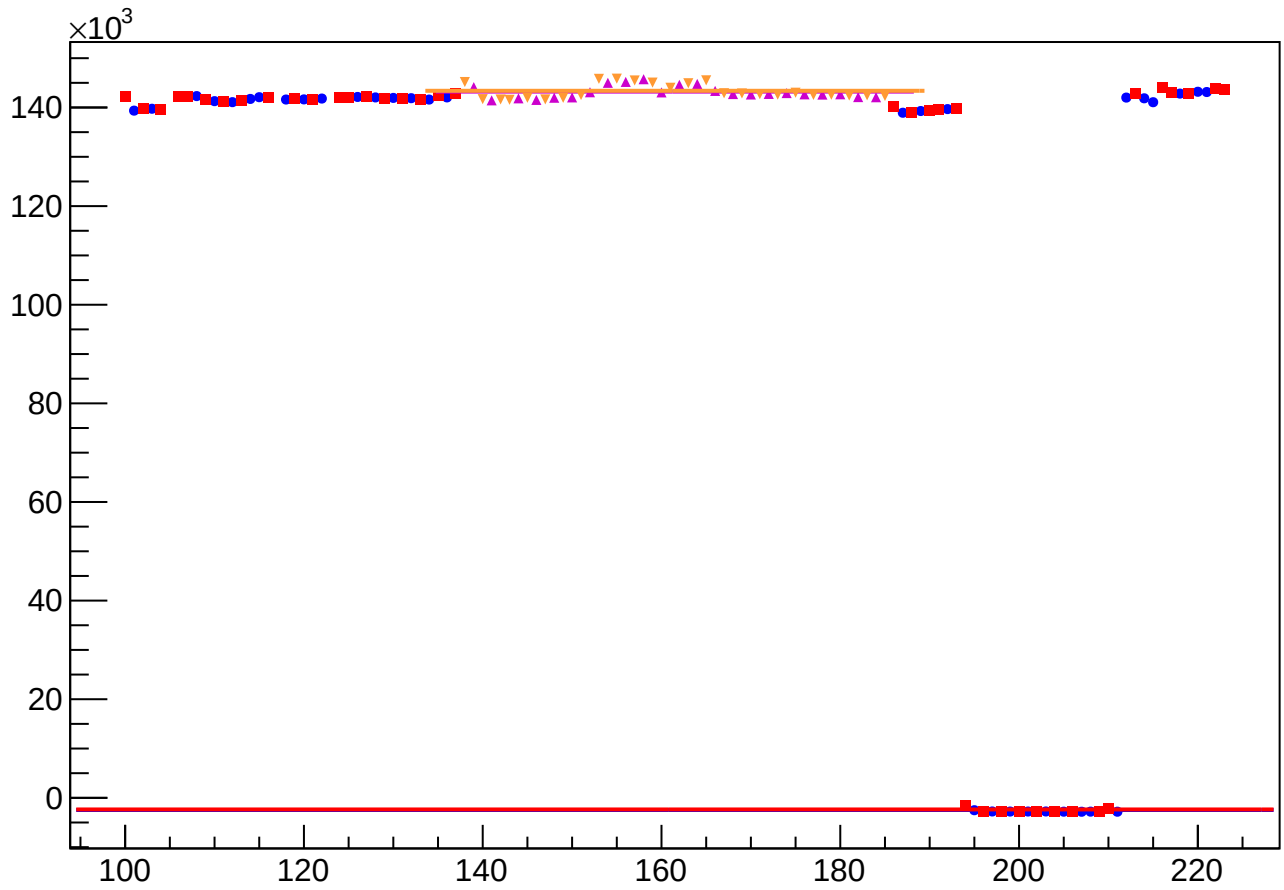
Right Out: 7.323+/-0.002 χ^2/NDF: 27532519.9/38

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.763+/-0.002 χ^2/NDF: 62003459.1/58

All: 7.812+/-0.001 χ^2/NDF: 123140163.7/120

- sign 7.868+/-0.002 χ^2/NDF: 61135062.5/61



Right In: -2464.633+/-0.003 χ^2/NDF: 5814020567395.5/33

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2356.475+/-0.003 χ^2/NDF: 6568247805858.8/38

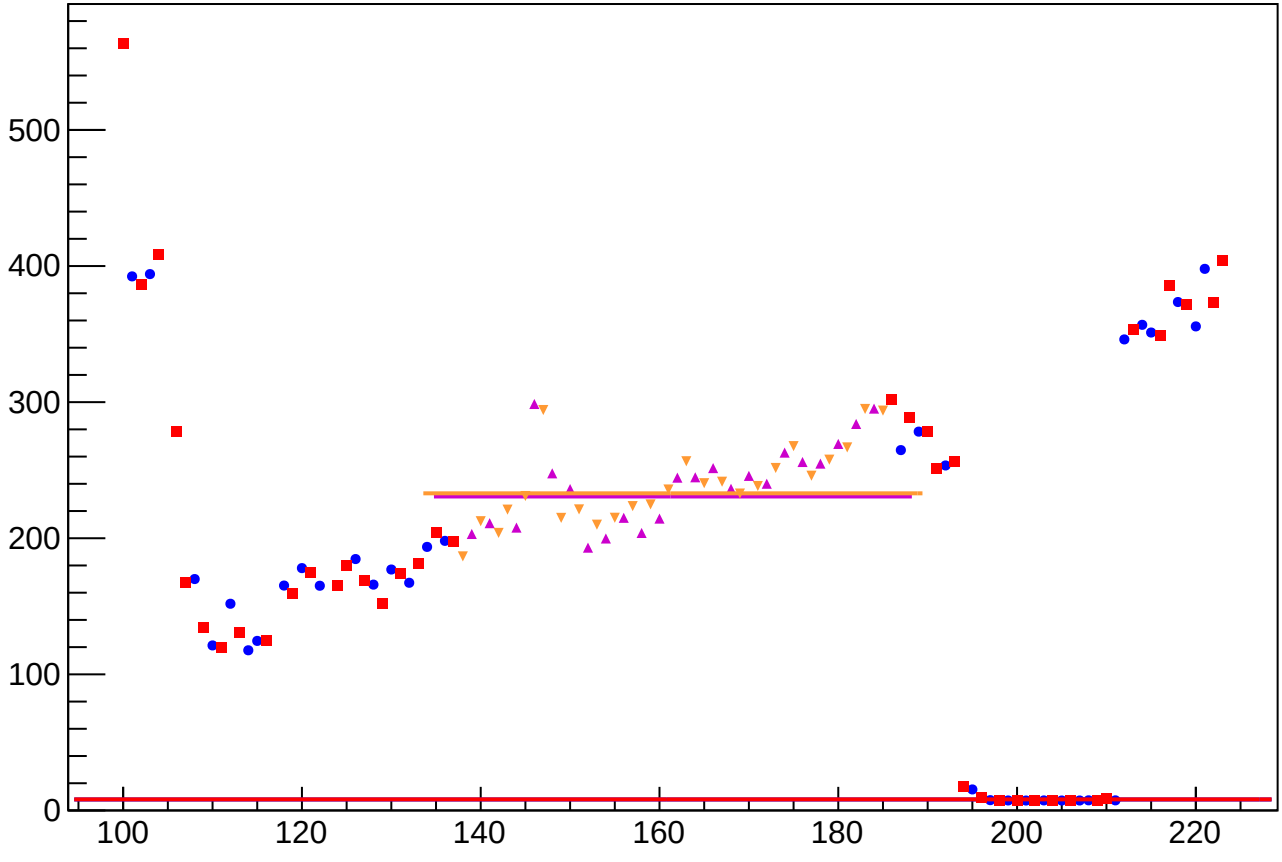
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2069.961+/-0.003 χ^2/NDF: 1317612491401

All: -2001.055+/-0.002 χ^2/NDF: 267747229

- sign -1921.730+/-0.003 χ^2/NDF: 1359728833683

yield_bpm0l09WS_rms vs Slug



Right In: 8.051+/-0.002 χ^2/NDF: 26517601.1/33

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

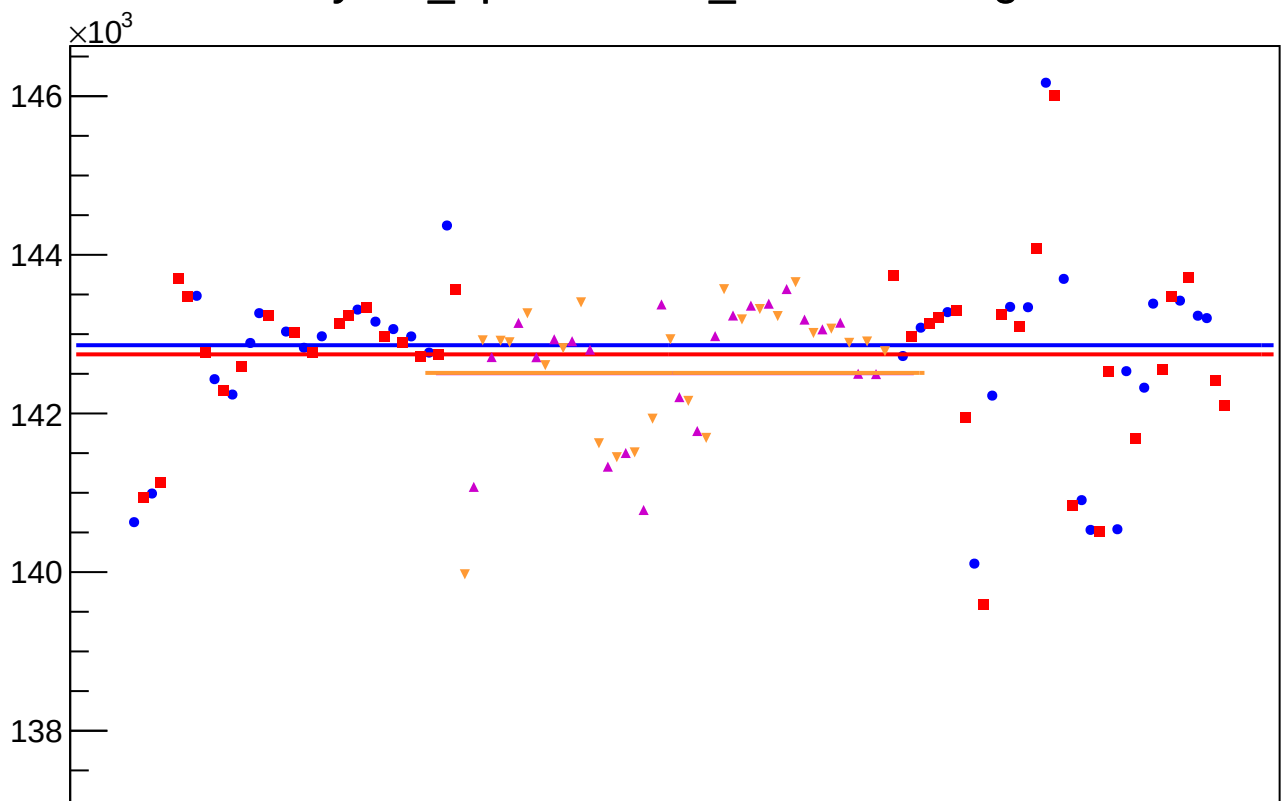
Right Out: 8.141+/-0.002 χ^2/NDF: 27546306.5/38

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.660+/-0.002 χ^2/NDF: 61986974.1/58

All: 8.728+/-0.001 χ^2/NDF: 122899814.8/120

- sign 8.806+/-0.002 χ^2/NDF: 60910317.3/61



Right In: 142860.515+/-0.056 χ^2/NDF: 304420071.7/33

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142745.157+/-0.052 χ^2/NDF: 258585046.4/38

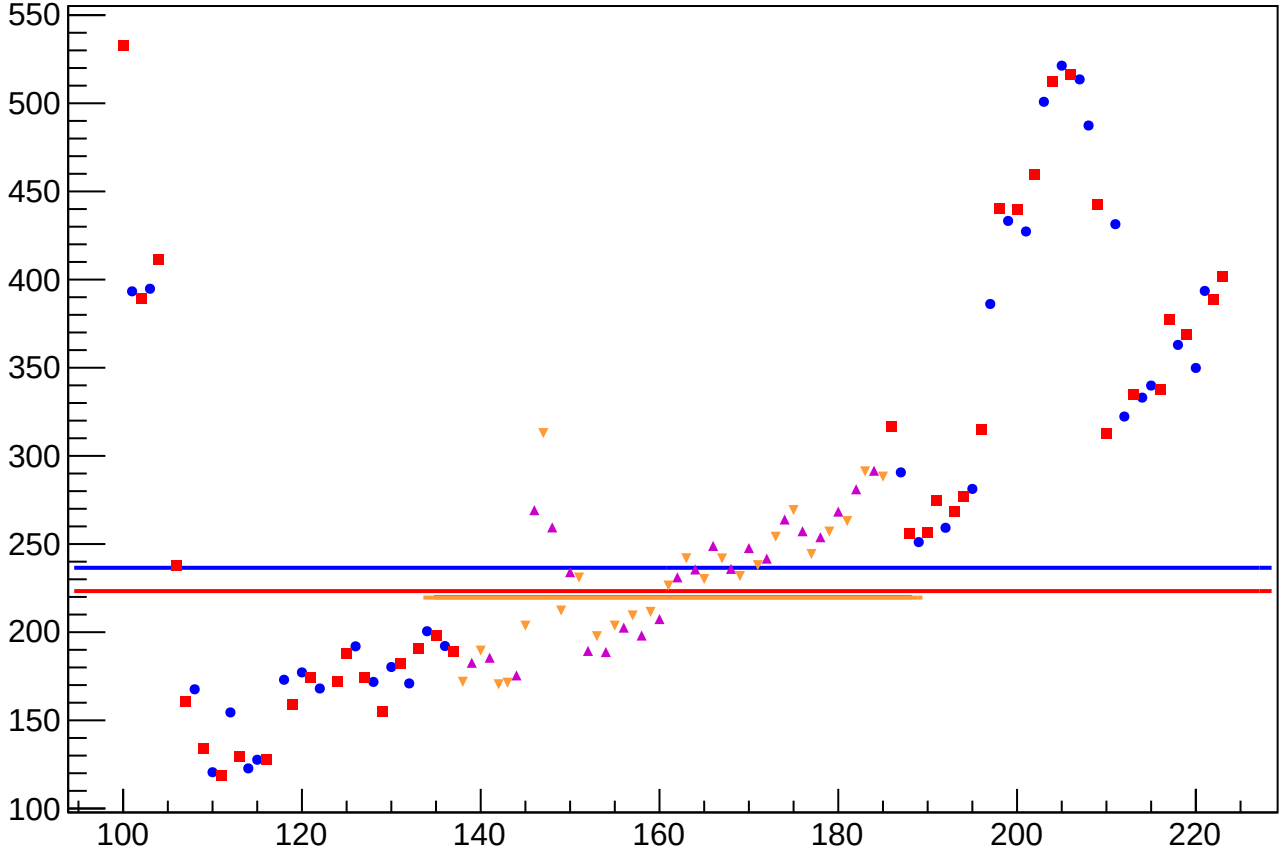
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142669.957+/-0.038 χ^2/NDF: 663876923.1/5

All: 142648.150+/-0.026 χ^2/NDF: 12027391

- sign 142627.111+/-0.037 χ^2/NDF: 538201430.8/6

yield_bpm0l10WS_rms vs Slug



Right In: 236.527+/-0.039 χ^2/NDF: 7087742.6/33

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

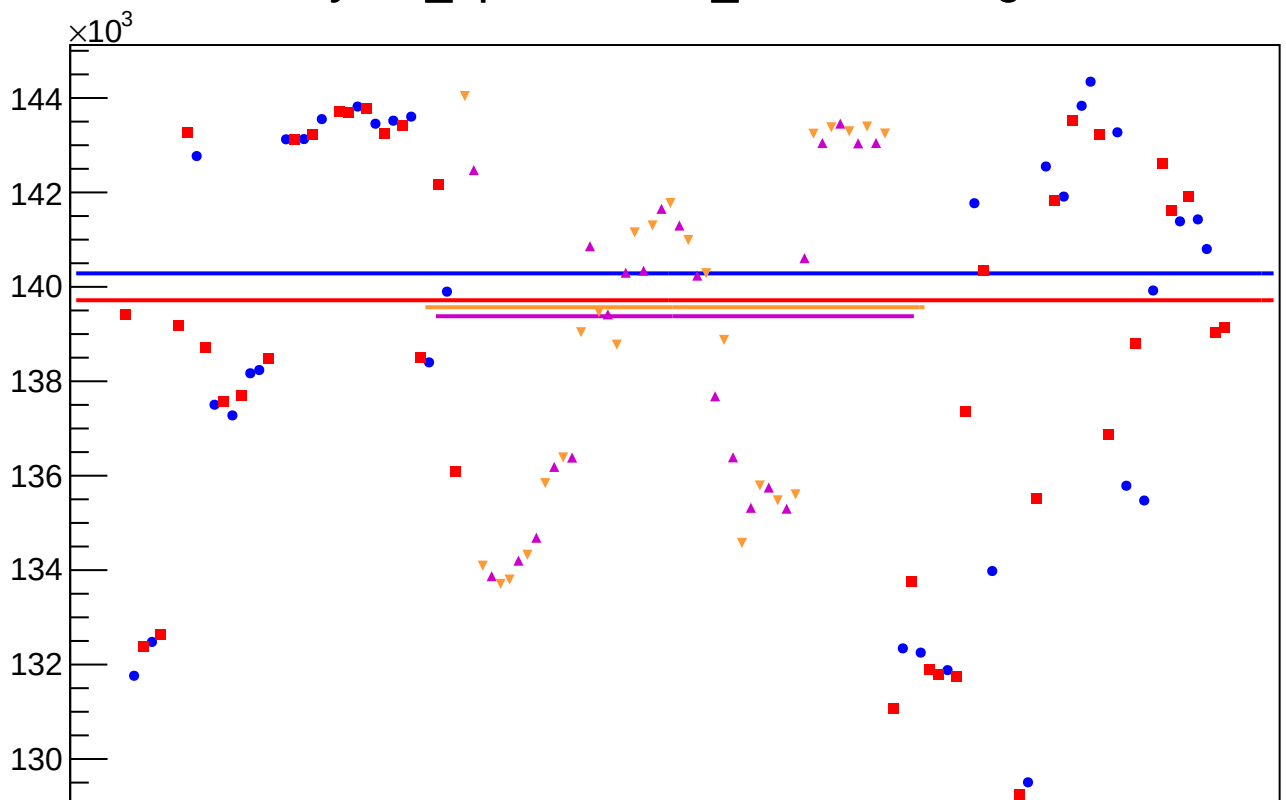
Right Out: 223.315+/-0.037 χ^2/NDF: 7866034.8/38

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 227.298+/-0.027 χ^2/NDF: 8090018.7/58

All: 224.385+/-0.019 χ^2/NDF: 16789625.5/12

- sign 221.575+/-0.026 χ^2/NDF: 8676029.2/61



Right In: 140285.348+/-0.076 χ^2/NDF: 2823675696.8/33

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139716.372+/-0.076 χ^2/NDF: 2902456568.2/38

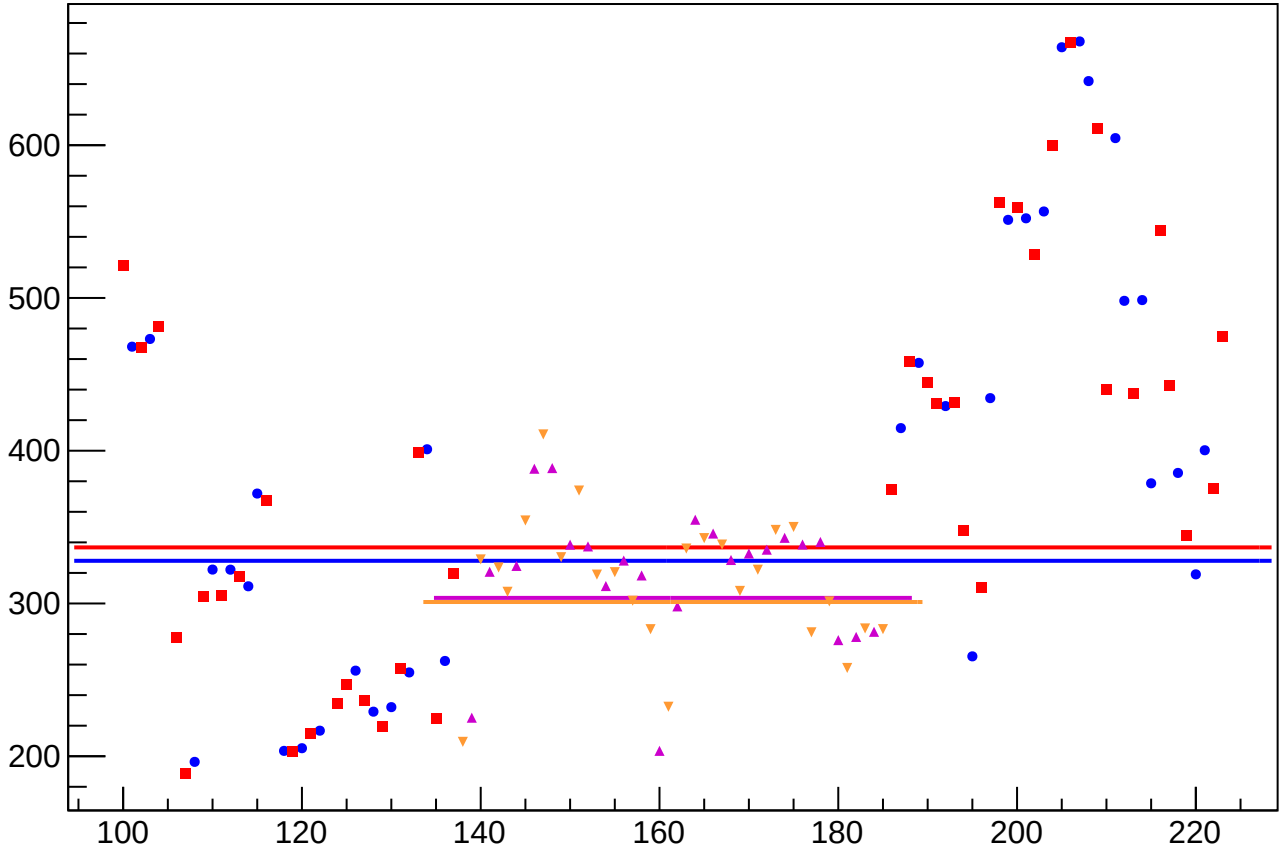
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139897.364+/-0.052 χ^2/NDF: 5458337147.0

All: 139722.489+/-0.037 χ^2/NDF: 10316106

- sign 139540.106+/-0.053 χ^2/NDF: 4834237521.1/

yield_bpm0r03WS_rms vs Slug



Right In: 327.934+/-0.054 χ^2/NDF: 5385027.4/33

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

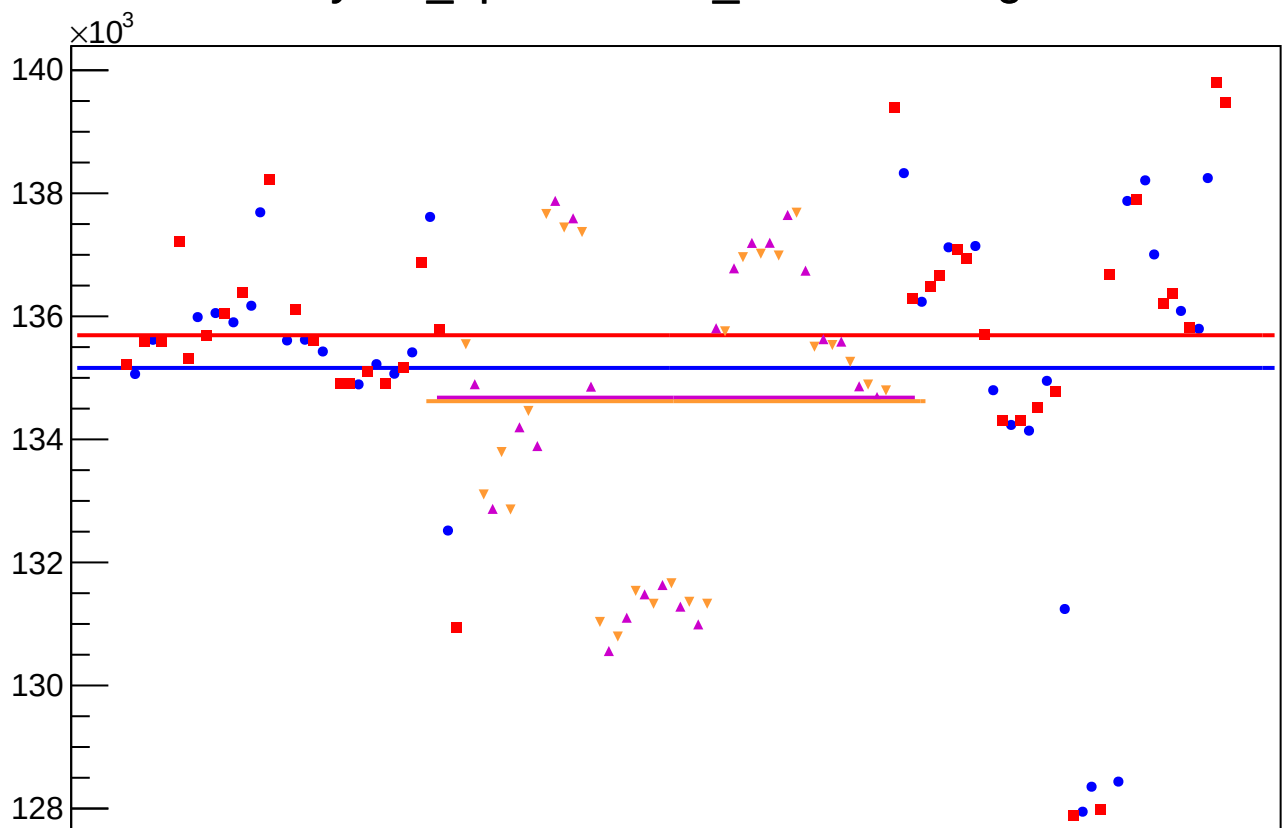
Right Out: 336.707+/-0.054 χ^2/NDF: 4954456.0/38

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 313.332+/-0.036 χ^2/NDF: 6397959.5/58

All: 316.357+/-0.026 χ^2/NDF: 12539654.2/12

- sign 319.512+/-0.037 χ^2/NDF: 6127608.4/61



Right In: 135161.565+/-0.075 χ^2/NDF: 932918759.7/33

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135692.945+/-0.069 χ^2/NDF: 894544335.4/38

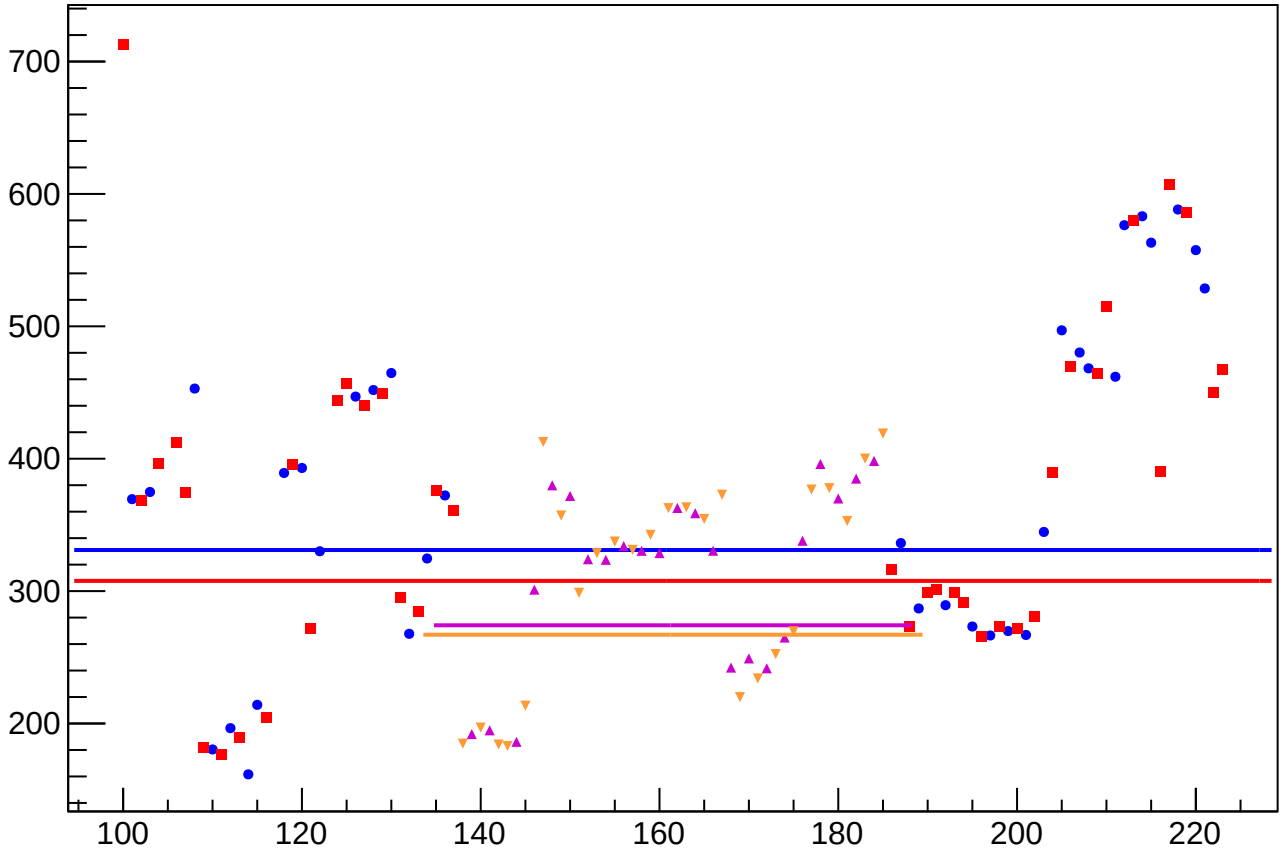
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134846.842+/-0.049 χ^2/NDF: 2164466346.1

All: 135011.887+/-0.034 χ^2/NDF: 42899271

- sign 135172.200+/-0.048 χ^2/NDF: 2102755232.8/

yield_bpm0r05WS_rms vs Slug



Right In: 331.036+/-0.053 χ^2/NDF: 4529803.5/33

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

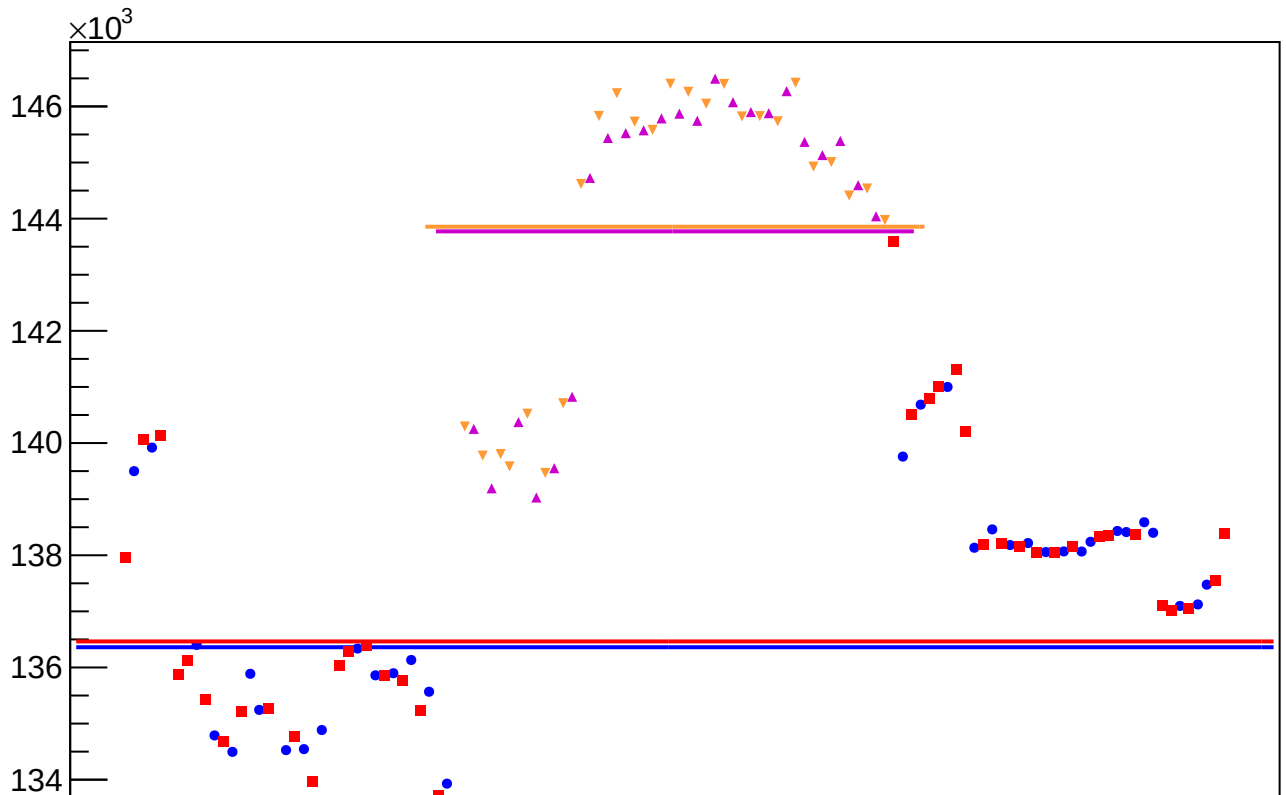
Right Out: 307.718+/-0.049 χ^2/NDF: 4450788.9/38

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 293.785+/-0.034 χ^2/NDF: 8215217.7/58

All: 292.119+/-0.024 χ^2/NDF: 15152080.7/12

- sign 290.501+/-0.034 χ^2/NDF: 6932235.2/61



Right In: 136360.956+/-0.044 χ^2/NDF: 1760764858.4/33

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136464.072+/-0.042 χ^2/NDF: 2336569116.1/38

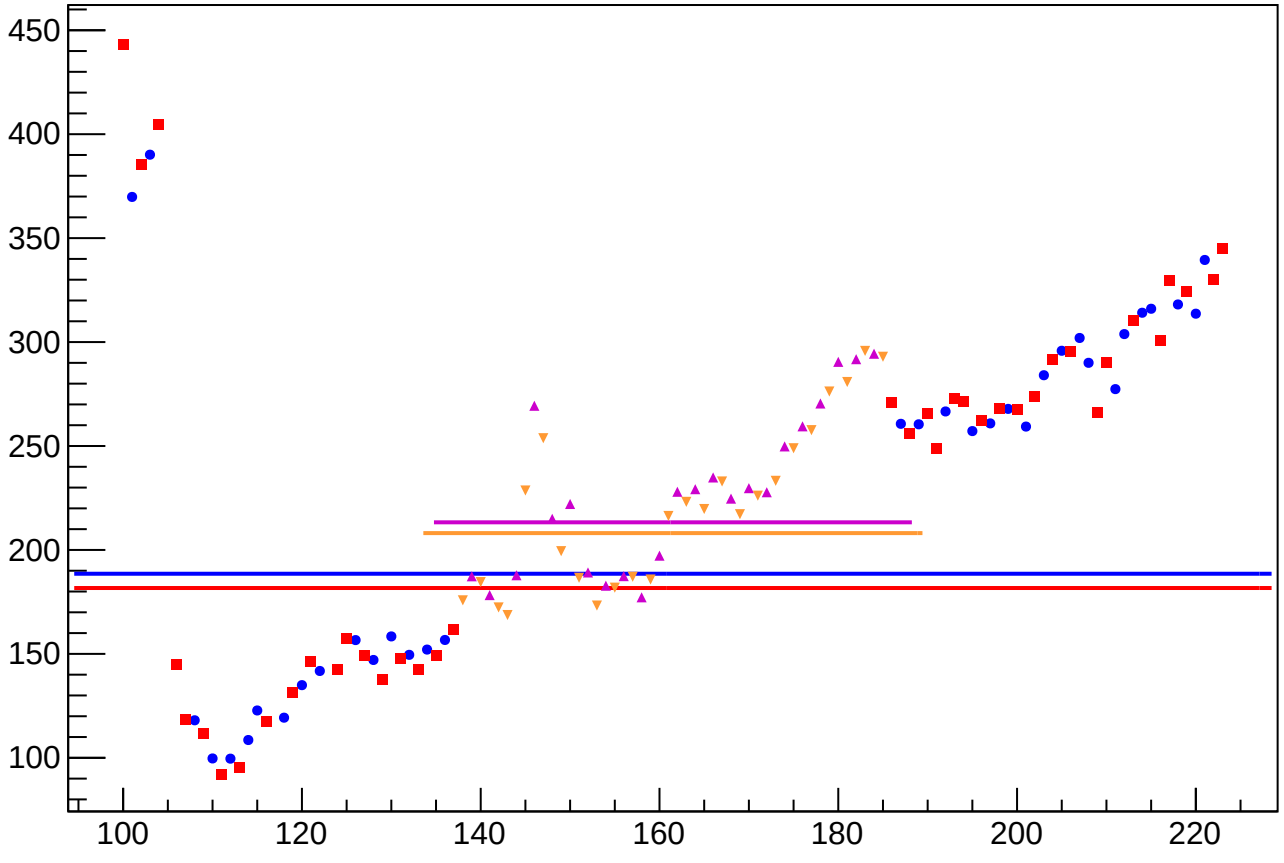
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139773.582+/-0.033 χ^2/NDF: 17987730679.

All: 139607.063+/-0.023 χ^2/NDF: 353892515

- sign 139441.704+/-0.033 χ^2/NDF: 17349568049.0

yield_bpm0i02WS_rms vs Slug



Right In: 188.553+/-0.031 χ^2/NDF: 6843700.9/33

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

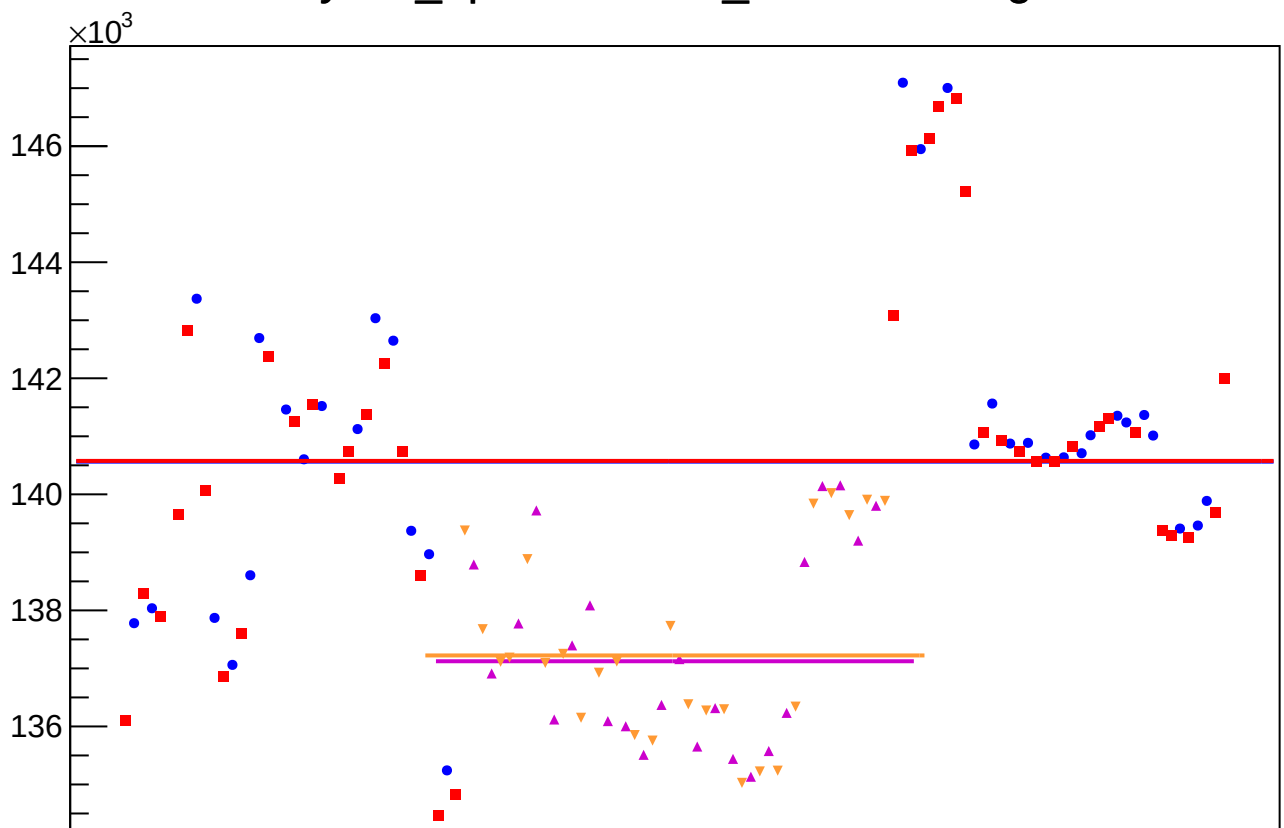
Right Out: 181.687+/-0.030 χ^2/NDF: 7666218.6/38

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 197.453+/-0.023 χ^2/NDF: 8014883.9/58

All: 196.002+/-0.016 χ^2/NDF: 17010967.9/12

- sign 194.561+/-0.023 χ^2/NDF: 8988193.1/61



Right In: 140563.925+/-0.049 χ^2/NDF: 2845541809.3/33

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140576.153+/-0.047 χ^2/NDF: 3291326134.8/38

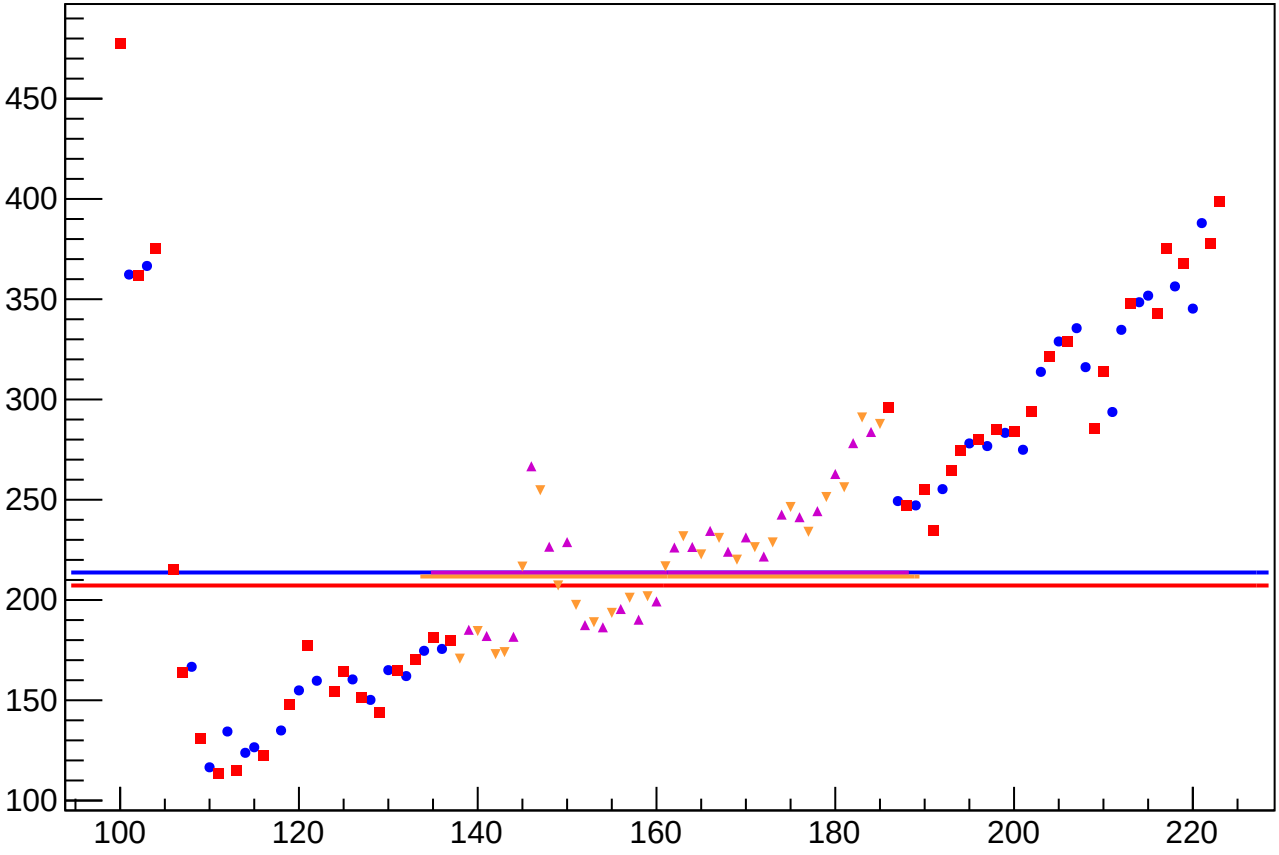
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138883.585+/-0.035 χ^2/NDF: 6044981576.0

All: 138929.064+/-0.025 χ^2/NDF: 12665966

- sign 138974.251+/-0.035 χ^2/NDF: 6617577138.1/

yield_bpm0i02aWS_rms vs Slug



Right In: 213.718+/-0.035 χ^2/NDF: 5661971.4/33

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 207.231+/-0.033 χ^2/NDF: 6372774.3/38

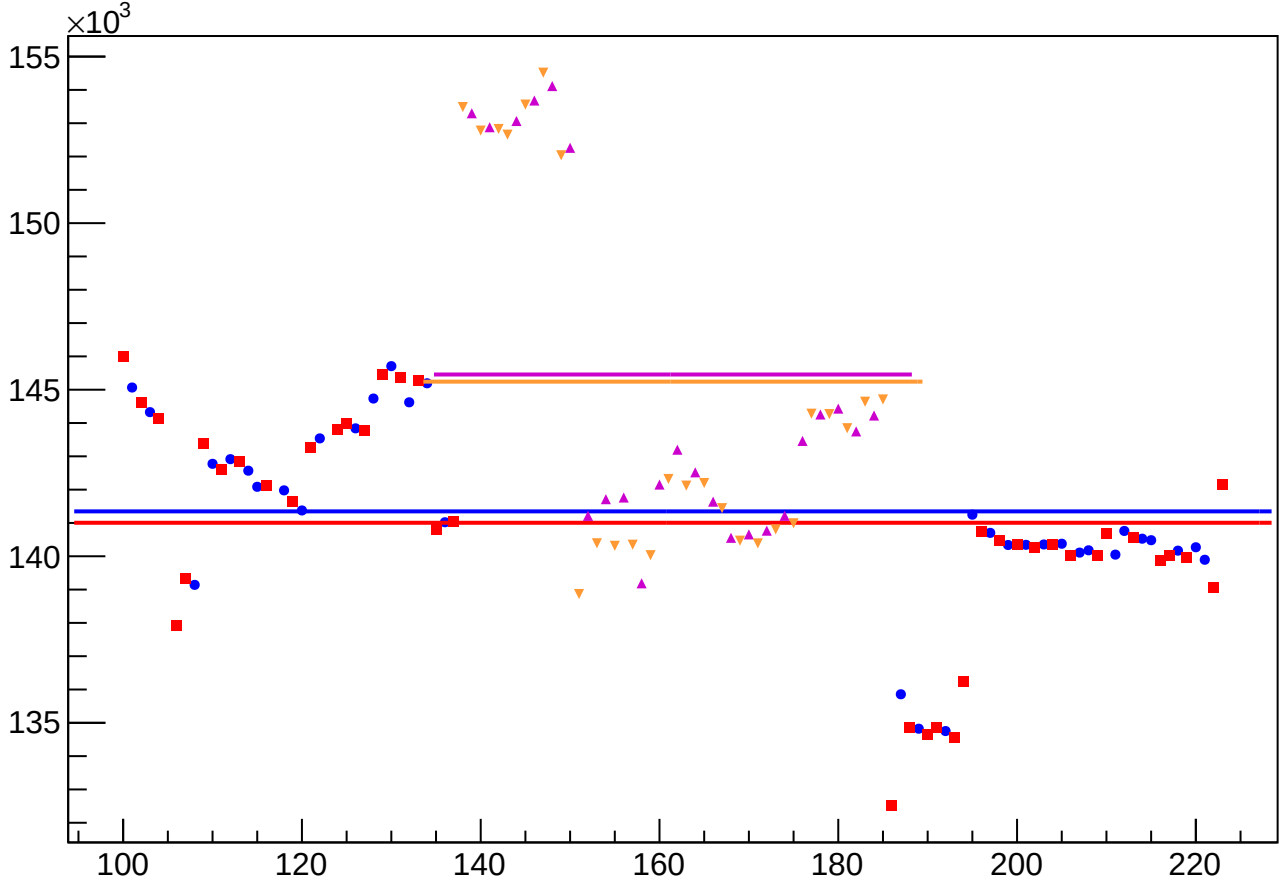
Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 212.710+/-0.025 χ^2/NDF: 6339218.4/58

All: 211.453+/-0.017 χ^2/NDF: 13355523.2/12

- sign 210.205+/-0.025 χ^2/NDF: 7011103.0/61

yield_bpm0i05WS_mean vs Slug



Right In: 141347.450+/-0.049 χ^2/NDF: 2882272577.7/33

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141005.365+/-0.047 χ^2/NDF: 4486070312.4/38

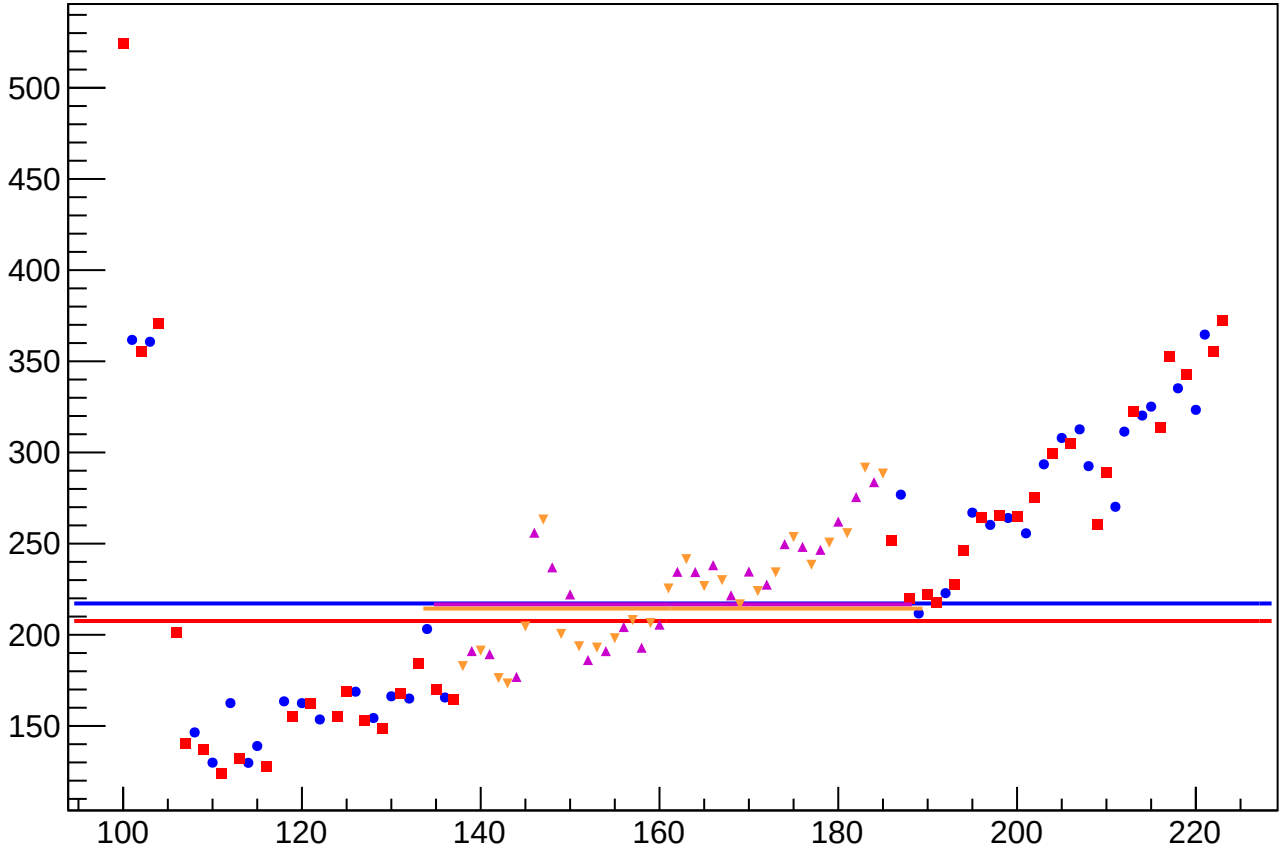
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143277.784+/-0.035 χ^2/NDF: 19022883860.

All: 143138.468+/-0.025 χ^2/NDF: 38720203

- sign 143002.218+/-0.035 χ^2/NDF: 19665859666.

yield_bpm0i05WS_rms vs Slug



Right In: 217.182+/-0.035 χ^2/NDF: 4138675.1/33

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

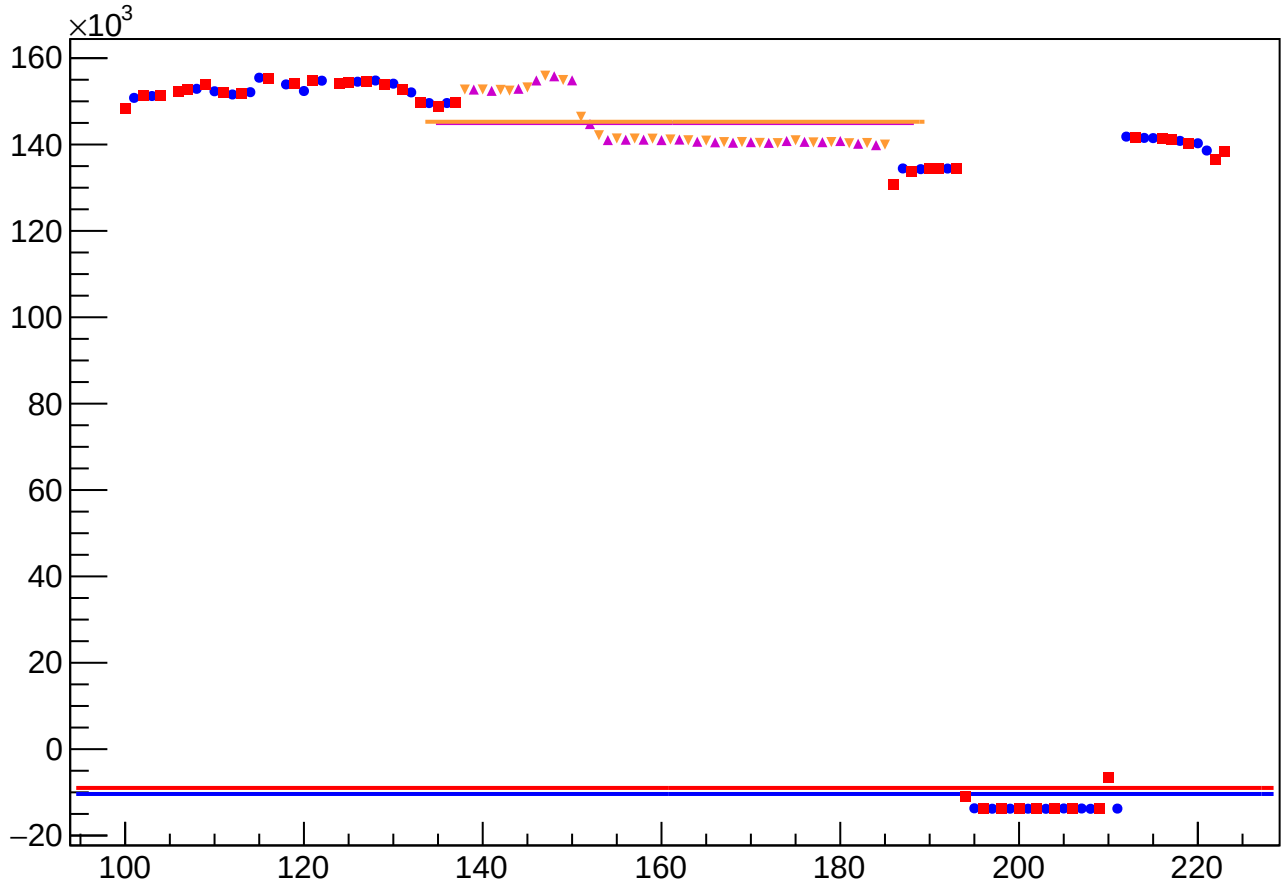
Right Out: 207.568+/-0.033 χ^2/NDF: 4781383.7/38

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 215.799+/-0.025 χ^2/NDF: 4785249.4/58

All: 213.698+/-0.017 χ^2/NDF: 10202330.3/12

- sign 211.644+/-0.024 χ^2/NDF: 5402776.9/61



Right In: -10378.576+/-0.009 χ^2/NDF: 7056084604167.1/33

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8978.766+/-0.009 χ^2/NDF: 8087136146659.4/38

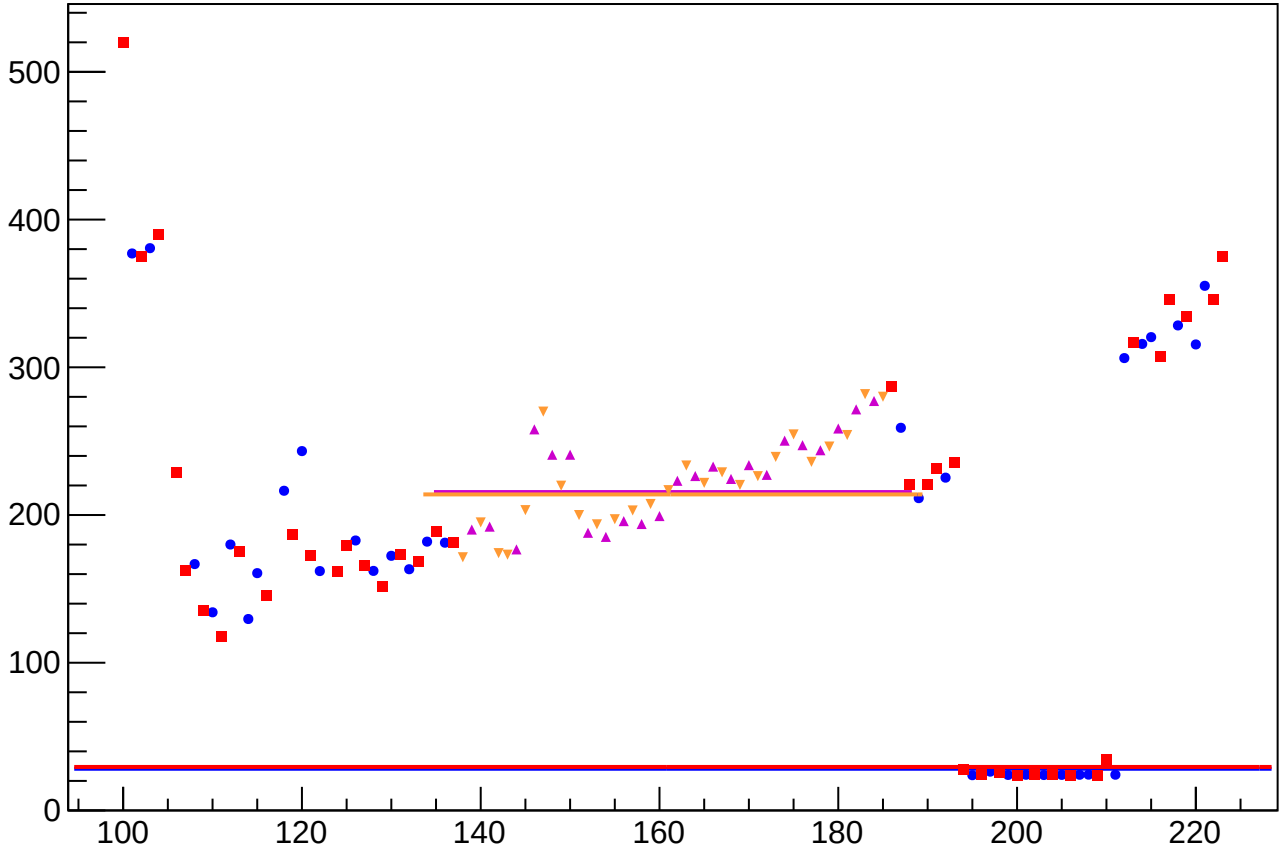
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5660.803+/-0.009 χ^2/NDF: 1670114341521

All: -4884.395+/-0.006 χ^2/NDF: 3356518050

- sign -3992.575+/-0.009 χ^2/NDF: 1684651773453

yield_bpm0i07WS_rms vs Slug



Right In: 28.235+/-0.006 χ^2/NDF: 21655282.3/33

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

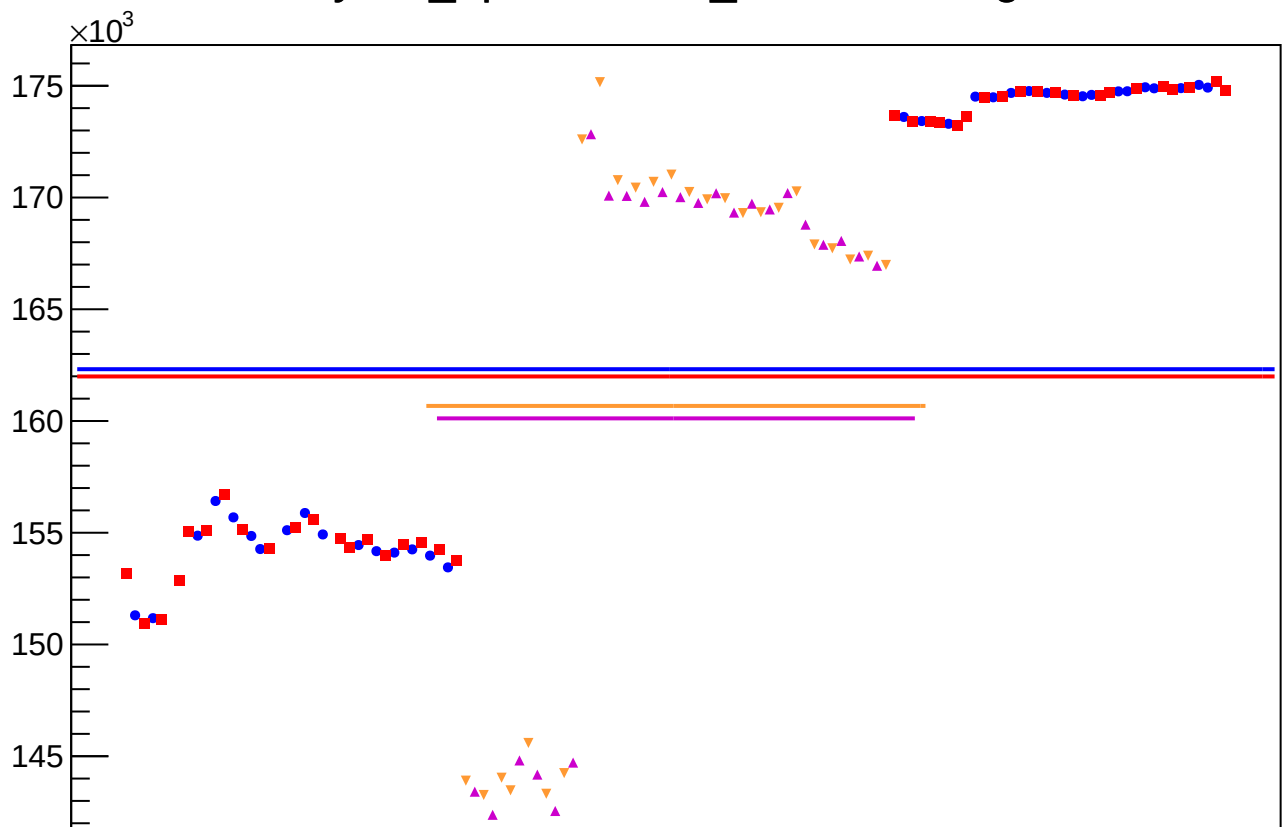
Right Out: 29.447+/-0.007 χ^2/NDF: 22381928.4/38

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.864+/-0.006 χ^2/NDF: 49729541.8/58

All: 34.614+/-0.004 χ^2/NDF: 98305224.4/120

- sign 35.475+/-0.007 χ^2/NDF: 48543032.4/61



Right In: 162318.216+/-0.051 χ^2/NDF: 35624404625.1/33

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161993.387+/-0.049 χ^2/NDF: 38115835264.8/38

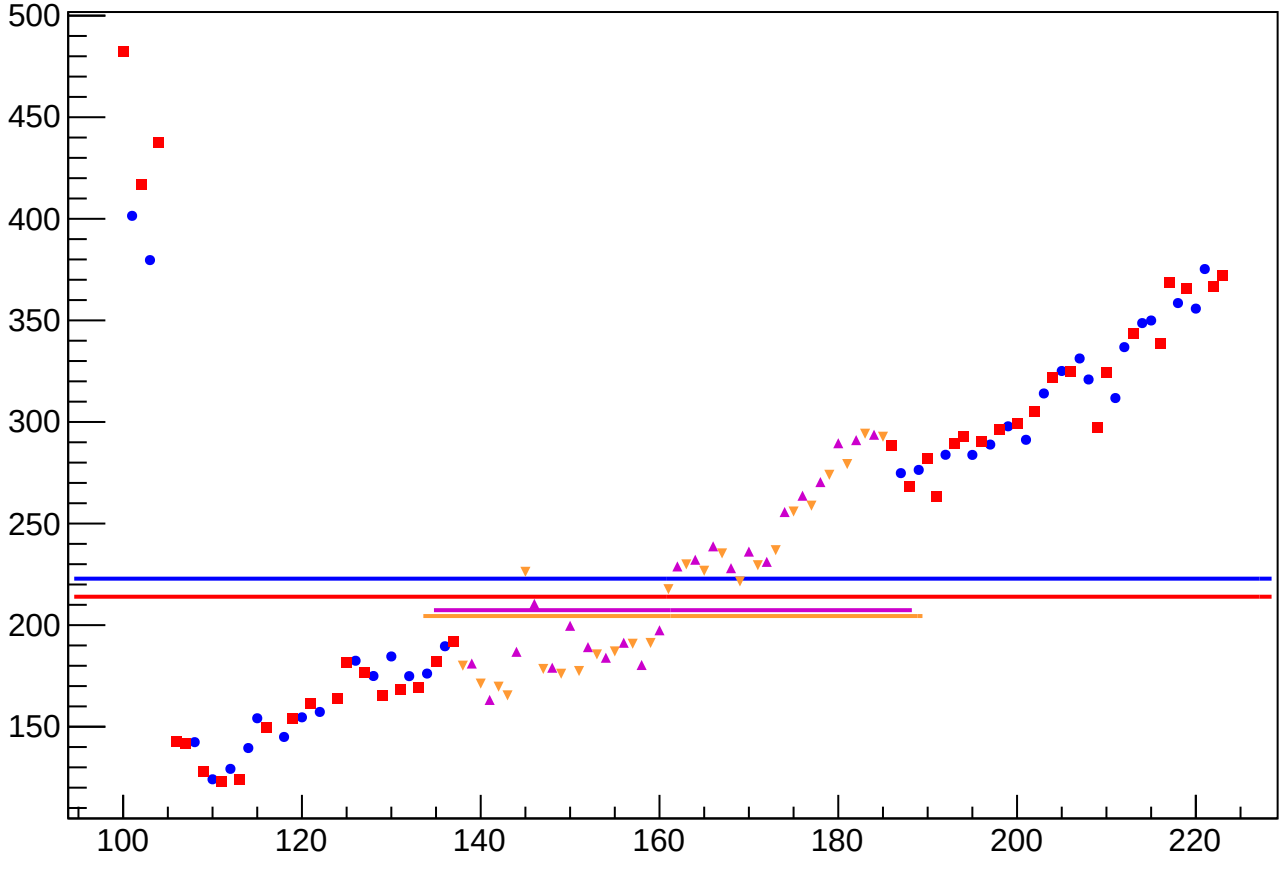
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 161433.165+/-0.035 χ^2/NDF: 11033443214

All: 161251.645+/-0.025 χ^2/NDF: 21579131

- sign 161071.728+/-0.035 χ^2/NDF: 10540264147

yield_bpm1i02WS_rms vs Slug



Right In: 222.879+/-0.036 χ^2/NDF: 5451006.3/33

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

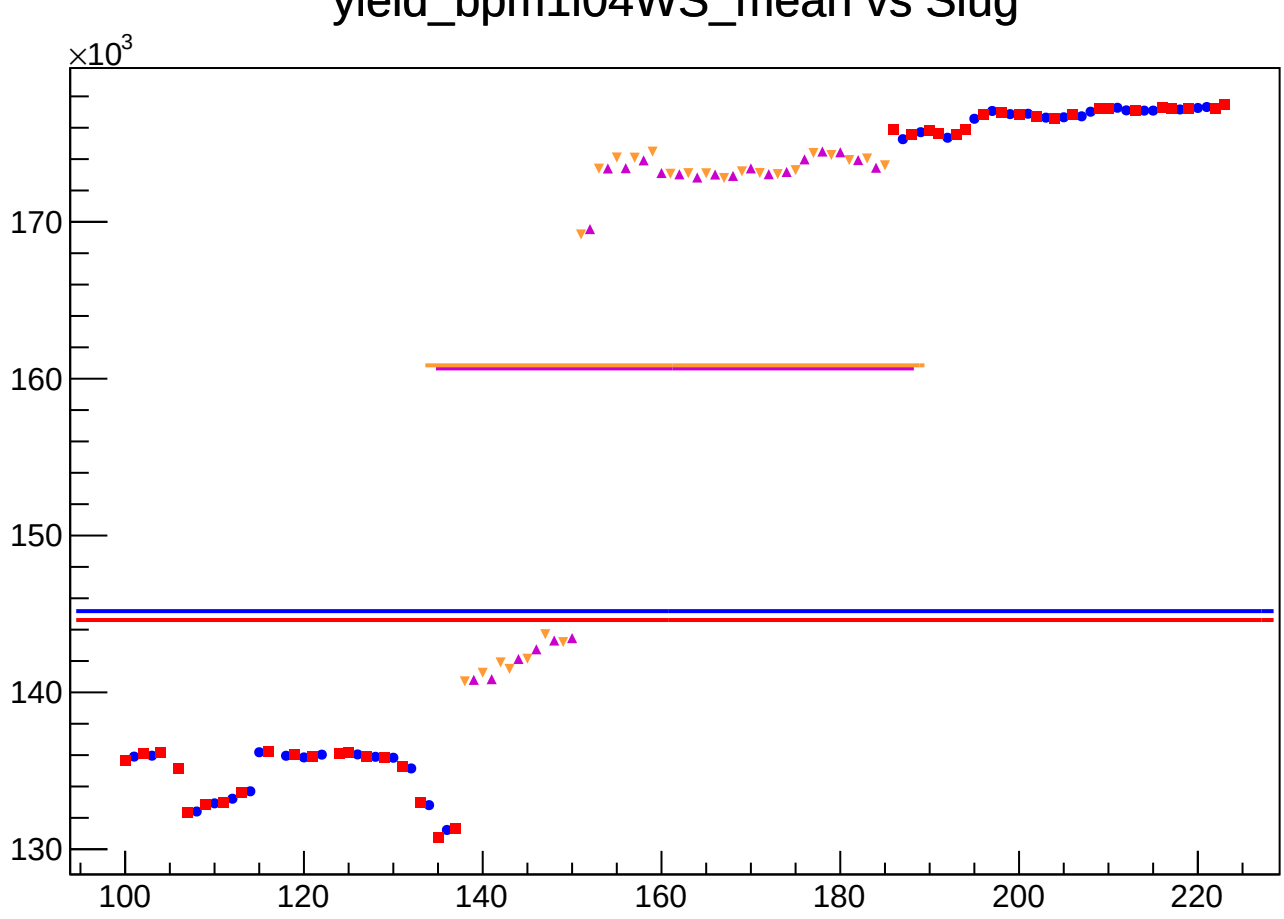
Right Out: 213.989+/-0.034 χ^2/NDF: 6237494.1/38

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 212.968+/-0.025 χ^2/NDF: 6663372.5/58

All: 211.847+/-0.017 χ^2/NDF: 13879924.0/12

- sign 210.736+/-0.024 χ^2/NDF: 7212414.4/61



Right In: 145180.468+/-0.044 χ^2/NDF: 180484175551.2/33

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 144613.707+/-0.042 χ^2/NDF: 193422328716.9/38

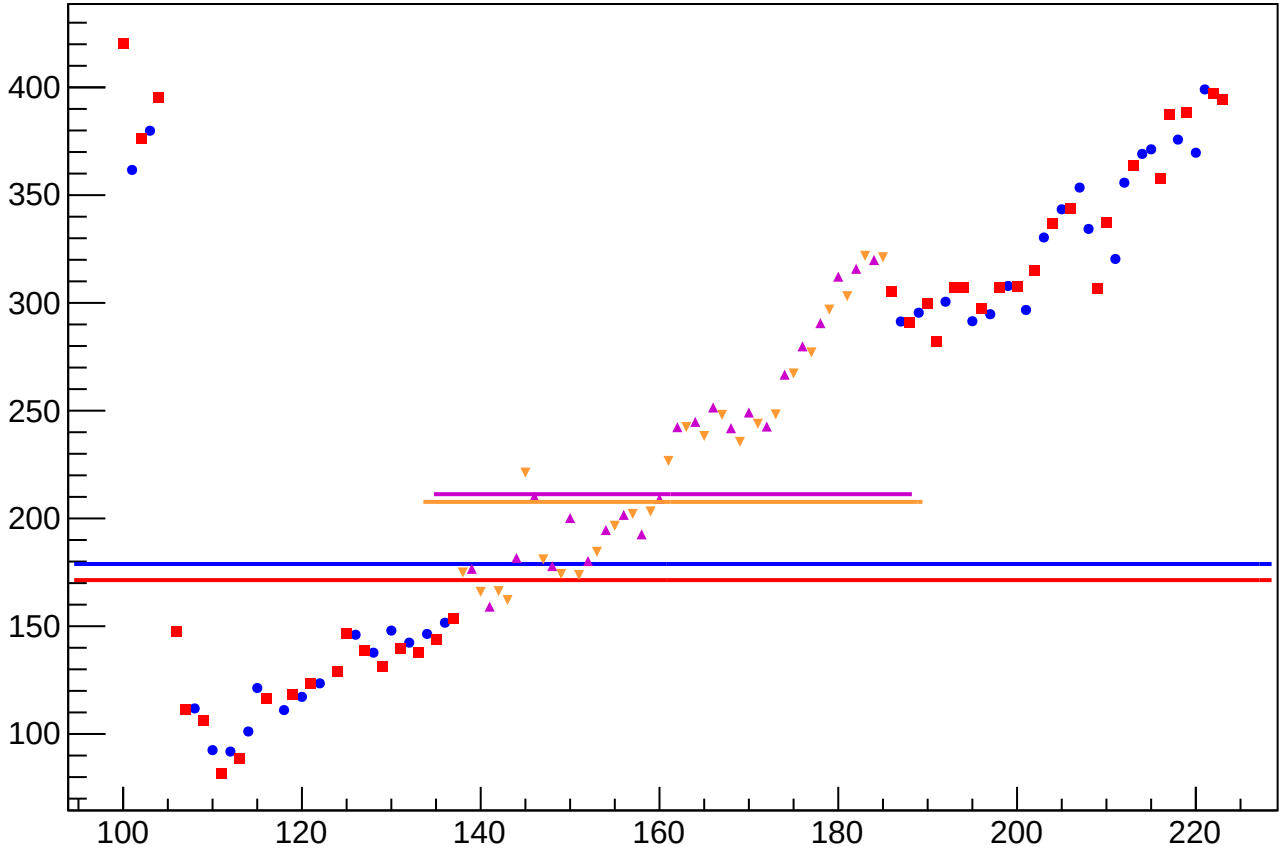
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 152234.403+/-0.032 χ^2/NDF: 337258382355

All: 151659.285+/-0.023 χ^2/NDF: 681319237

- sign 151095.532+/-0.032 χ^2/NDF: 343440461526

yield_bpm1i04WS_rms vs Slug



Right In: 178.871+/-0.031 χ^2/NDF: 10026730.8/33

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

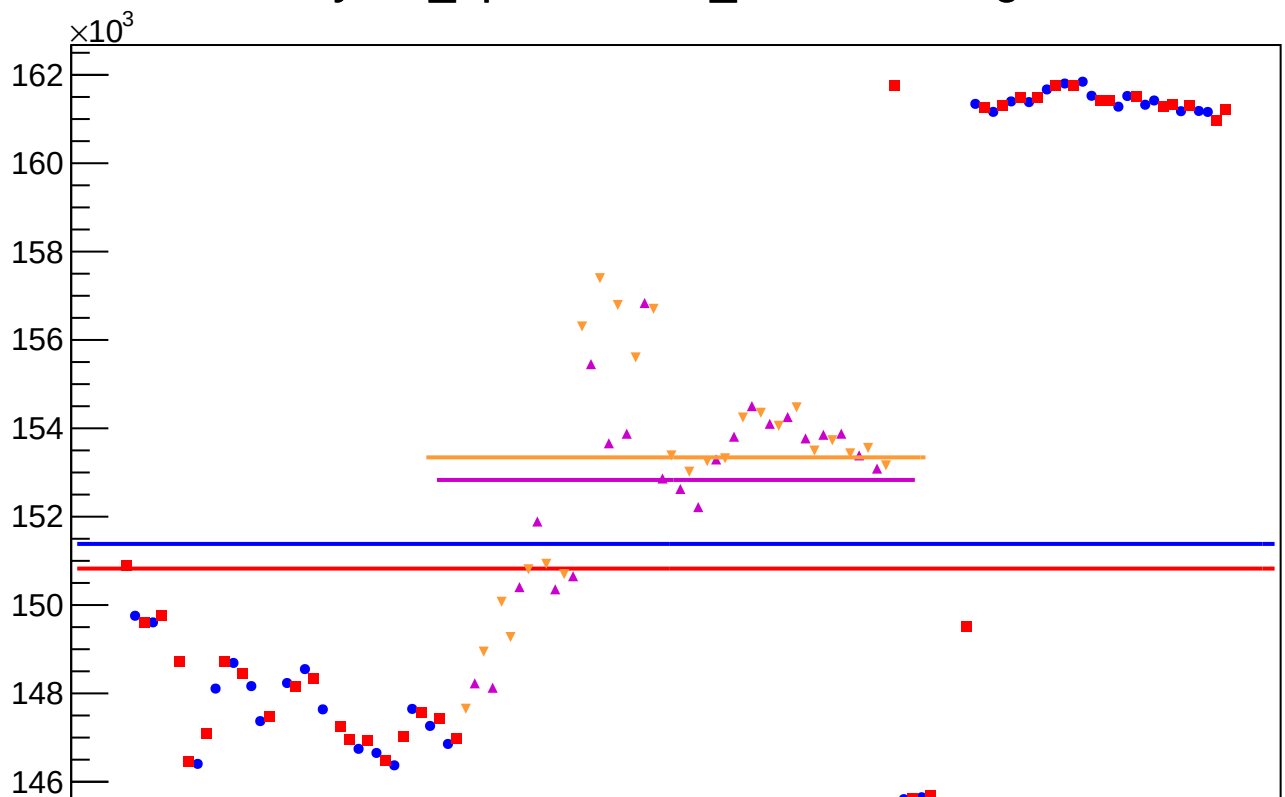
Right Out: 171.394+/-0.029 χ^2/NDF: 11036181.3/38

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 191.843+/-0.023 χ^2/NDF: 11916842.2/58

All: 189.651+/-0.016 χ^2/NDF: 25016178.1/12

- sign 187.501+/-0.023 χ^2/NDF: 13081302.3/61



Right In: 151383.456+/-0.051 χ^2/NDF: 15905350652.9/33

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 150825.361+/-0.048 χ^2/NDF: 15458360187.2/38

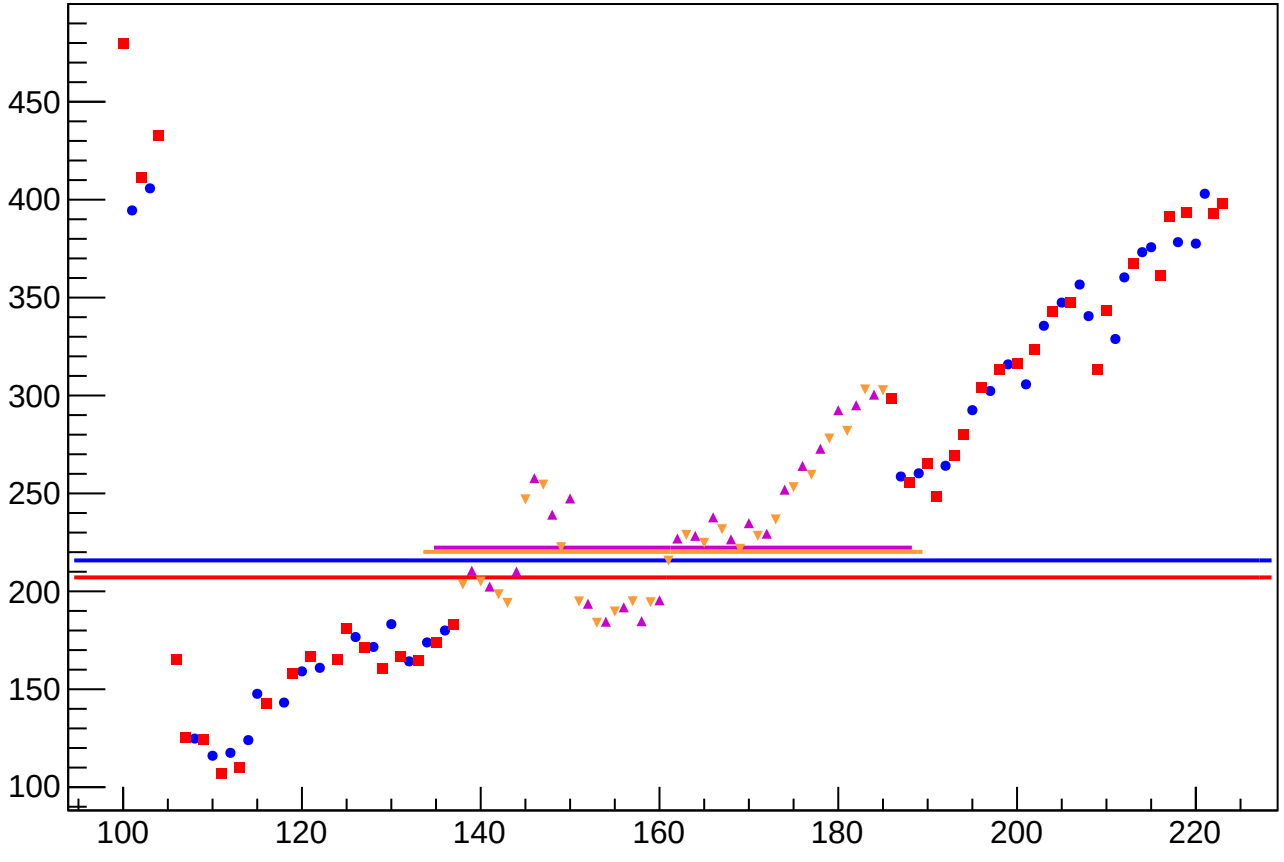
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 152357.658+/-0.036 χ^2/NDF: 19631609931.

All: 152041.222+/-0.025 χ^2/NDF: 37950778

- sign 151730.917+/-0.035 χ^2/NDF: 18164631269.8

yield_bpm1i06WS_rms vs Slug



Right In: 215.792+/-0.036 χ^2/NDF: 6879168.4/33

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

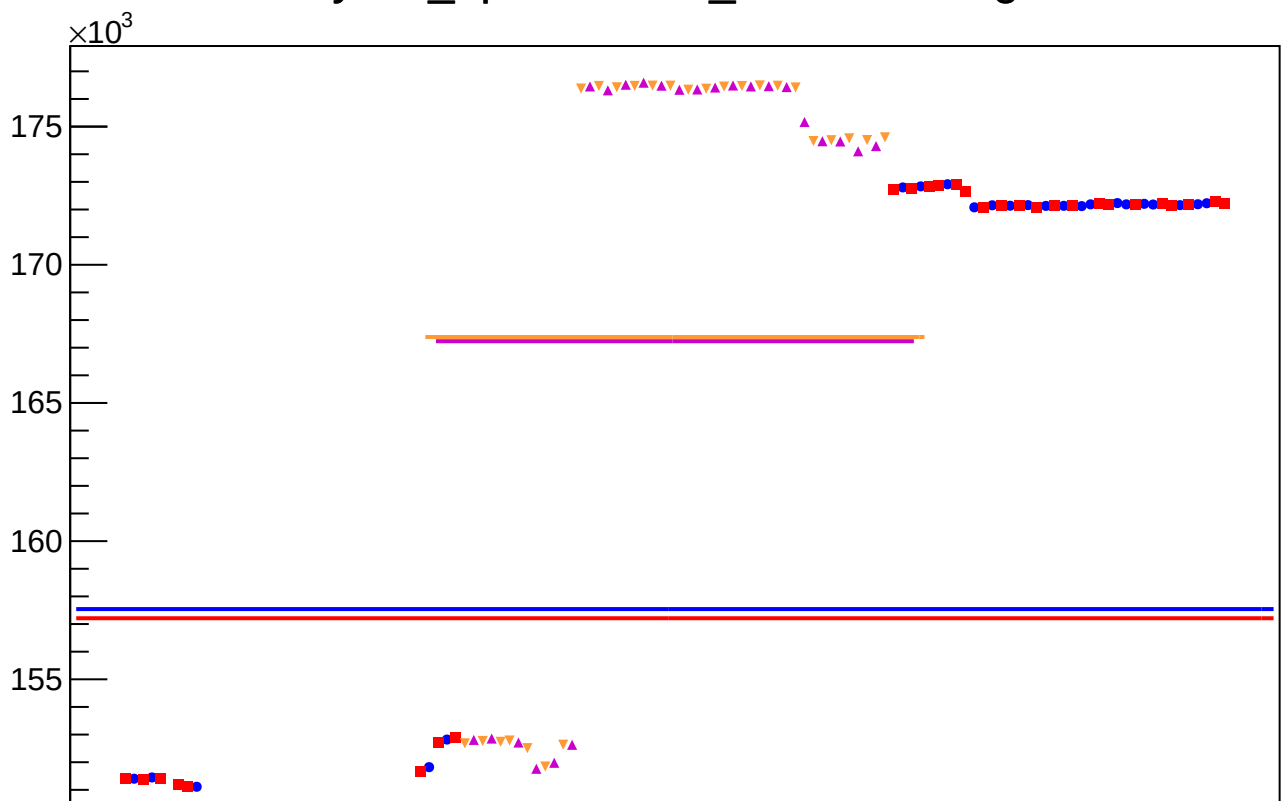
Right Out: 207.104+/-0.034 χ^2/NDF: 7571562.4/38

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 217.962+/-0.025 χ^2/NDF: 7572179.0/58

All: 215.944+/-0.018 χ^2/NDF: 15944841.3/12

- sign 213.966+/-0.025 χ^2/NDF: 8360097.0/61



Right In: 157541.385+/-0.045 χ^2/NDF: 50972789803.9/33

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 157209.540+/-0.042 χ^2/NDF: 55908816256.6/38

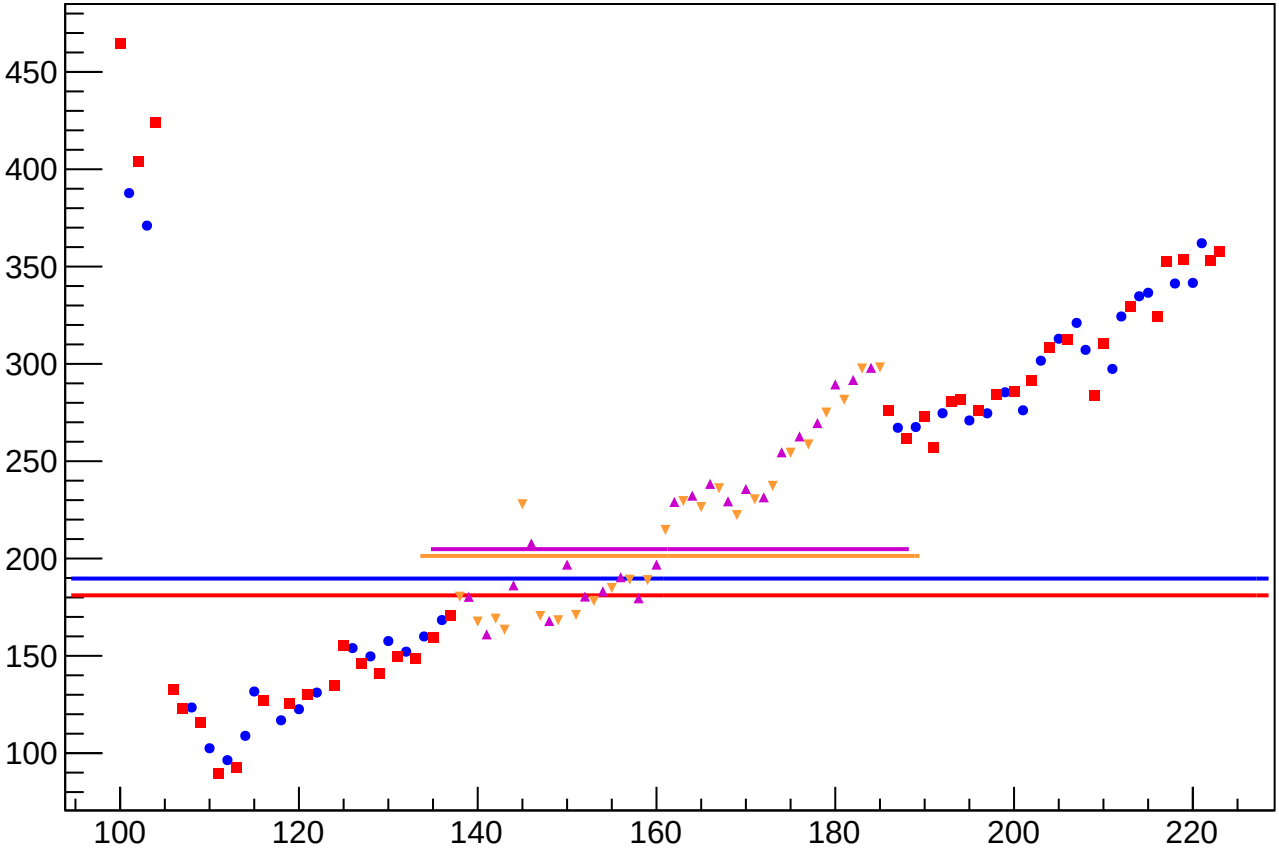
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162276.173+/-0.032 χ^2/NDF: 13360573940

All: 161896.868+/-0.023 χ^2/NDF: 2688463

- sign 161525.565+/-0.032 χ^2/NDF: 13496957045

yield_bpm2i01WS_rms vs Slug



Right In: 189.706+/-0.032 χ^2/NDF: 7716223.2/33

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

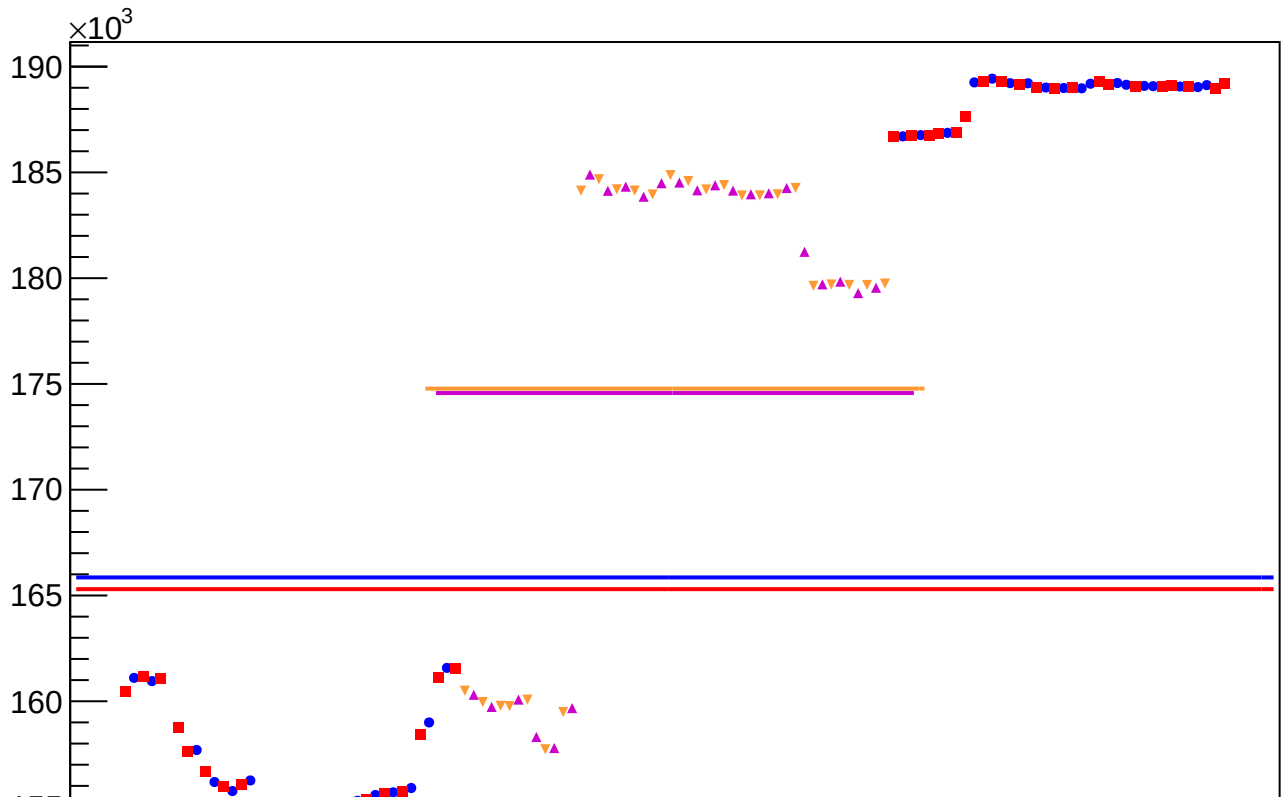
Right Out: 181.075+/-0.030 χ^2/NDF: 8699274.2/38

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 195.296+/-0.023 χ^2/NDF: 9011084.2/58

All: 193.277+/-0.016 χ^2/NDF: 19047864.4/12

- sign 191.300+/-0.023 χ^2/NDF: 10021418.6/61



Right In: 165853.407+/-0.048 χ^2/NDF: 95289573302.7/33

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 165299.474+/-0.045 χ^2/NDF: 101603770318.0/38

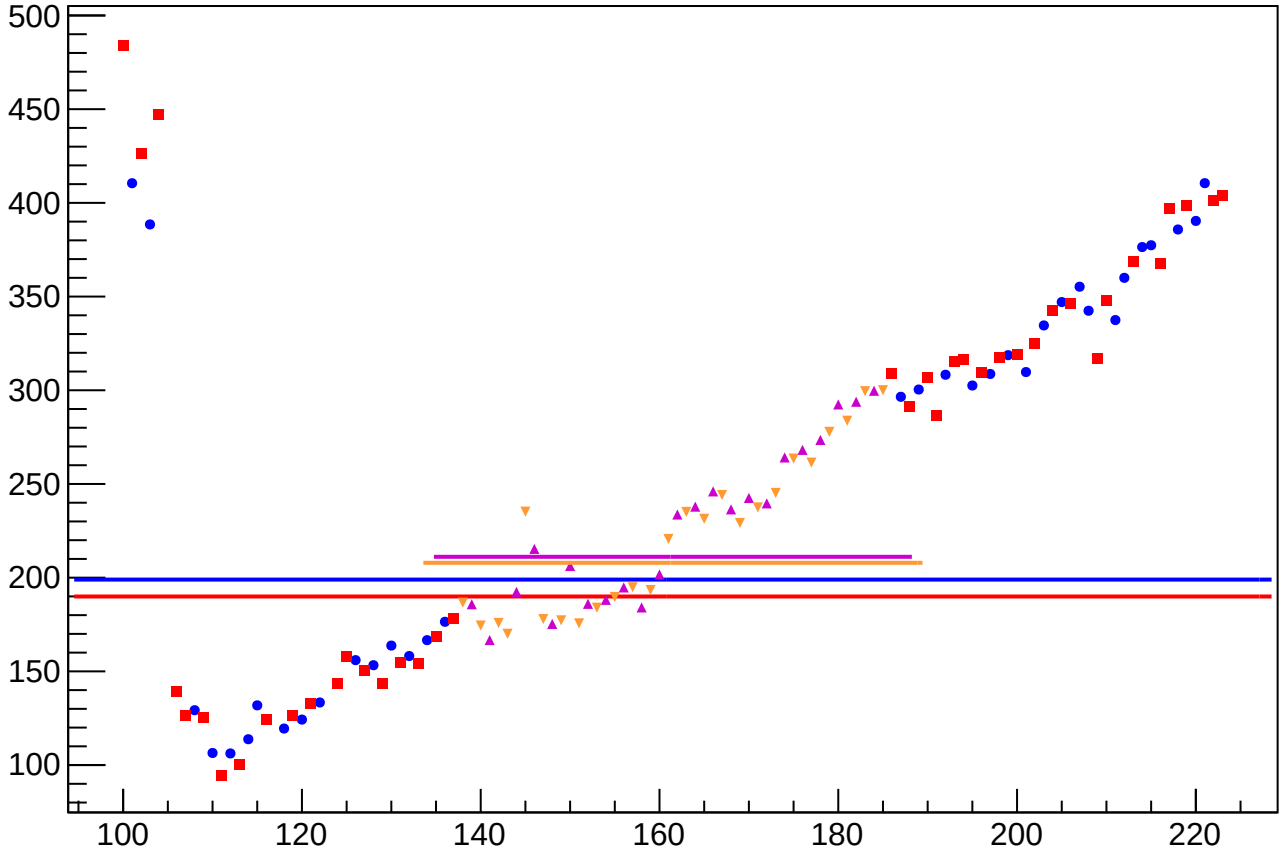
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 170286.225+/-0.034 χ^2/NDF: 17068835030

All: 169858.403+/-0.024 χ^2/NDF: 34613848

- sign 169438.948+/-0.034 χ^2/NDF: 175135994611

yield_bpm2i02WS_rms vs Slug



Right In: 198.976+/-0.034 χ^2/NDF: 8730921.1/33

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 189.956+/-0.032 χ^2/NDF: 9715067.0/38

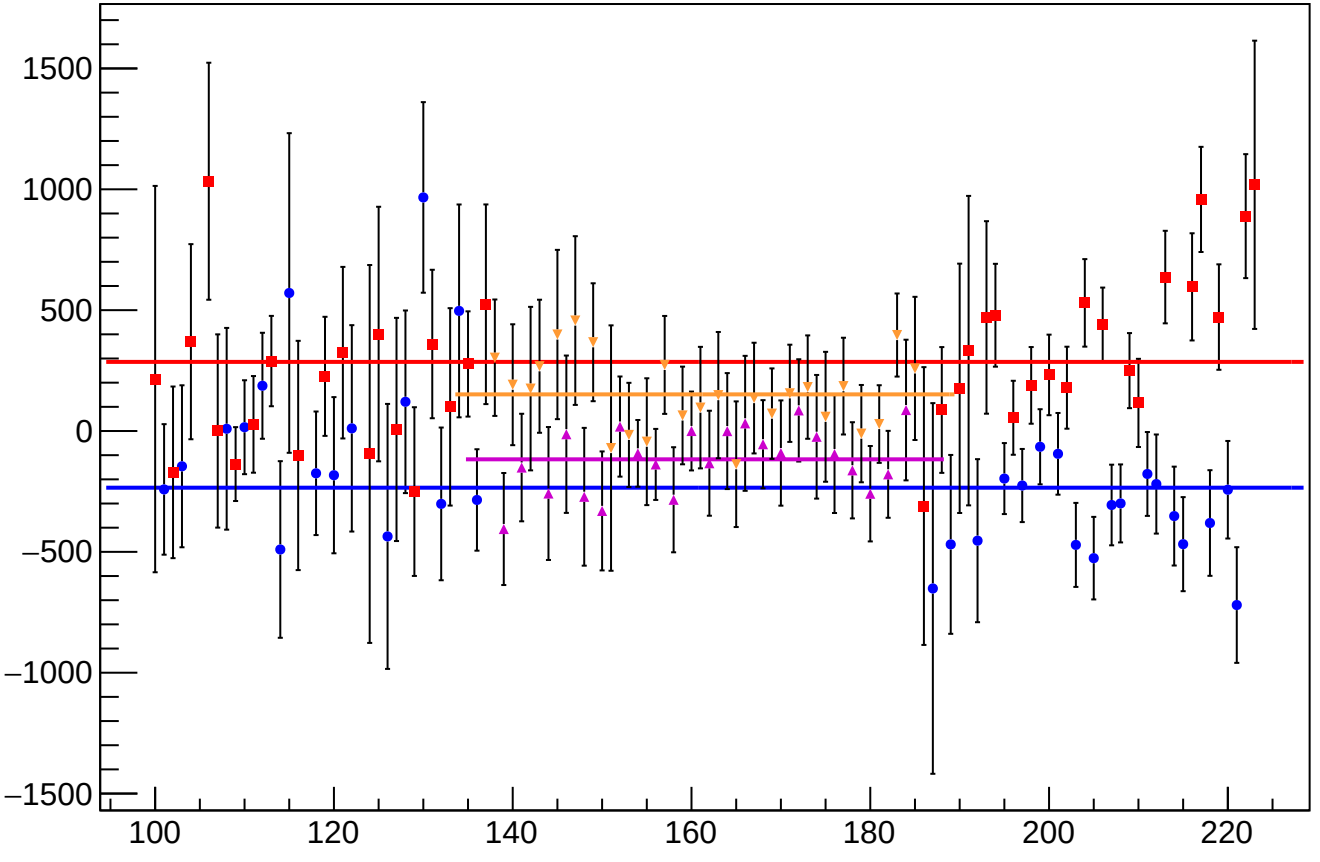
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 203.427+/-0.024 χ^2/NDF: 9897864.7/58

All: 201.400+/-0.017 χ^2/NDF: 20816708.5/12

- sign 199.412+/-0.024 χ^2/NDF: 10904736.6/61

asym_bcm_target_mean vs Slug



Right In: -234.519+/-38.729 χ^2/NDF: 35.9/33

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 285.946+/-38.581 χ^2/NDF: 50.5/38

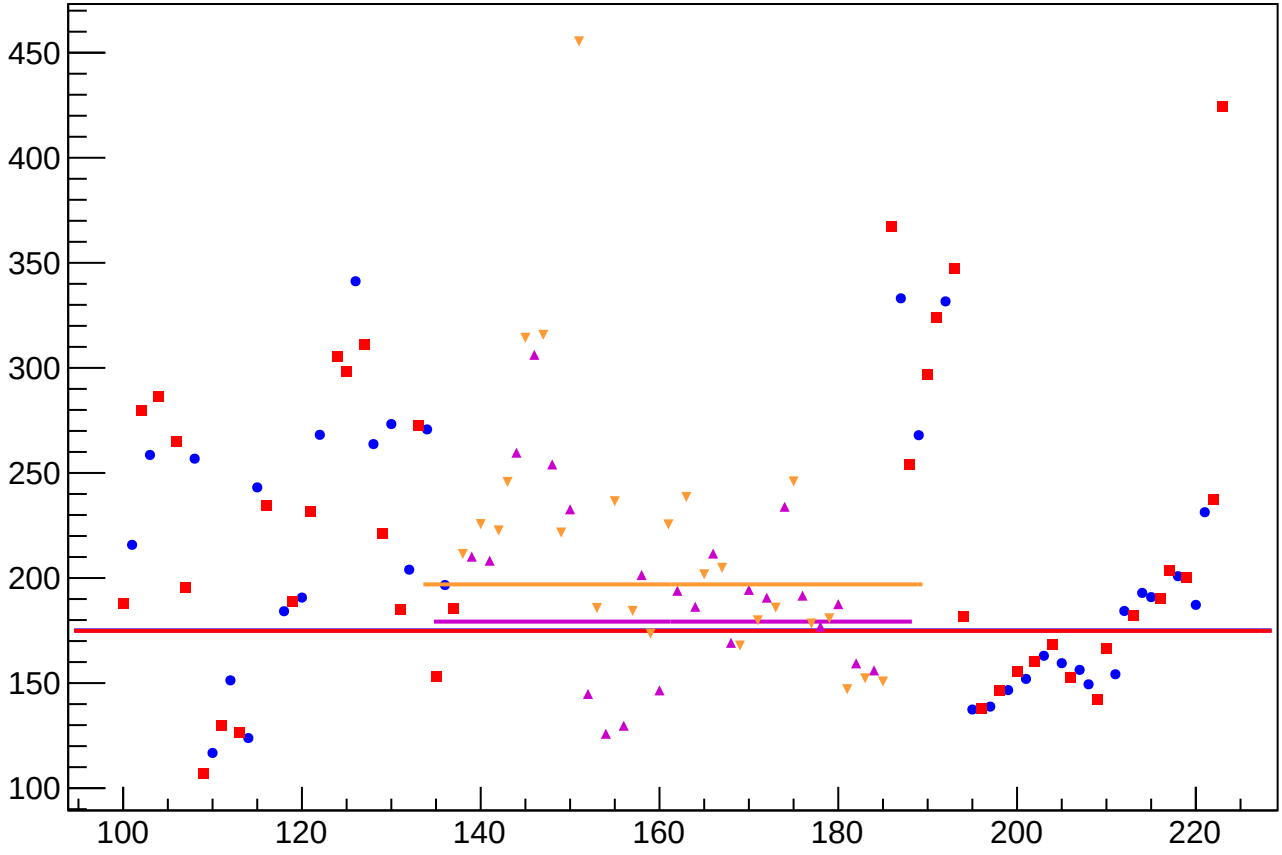
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -76.052+/-29.738 χ^2/NDF: 86.3/58

All: 19.347+/-20.742 χ^2/NDF: 212.1/120

- sign 109.727+/-28.945 χ^2/NDF: 105.7/61

asym_bcm_target_rms vs Slug



Right In: 175.059+/-0.027 χ^2/NDF: 2465120.7/33

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 174.860+/-0.027 χ^2/NDF: 3547283.8/38

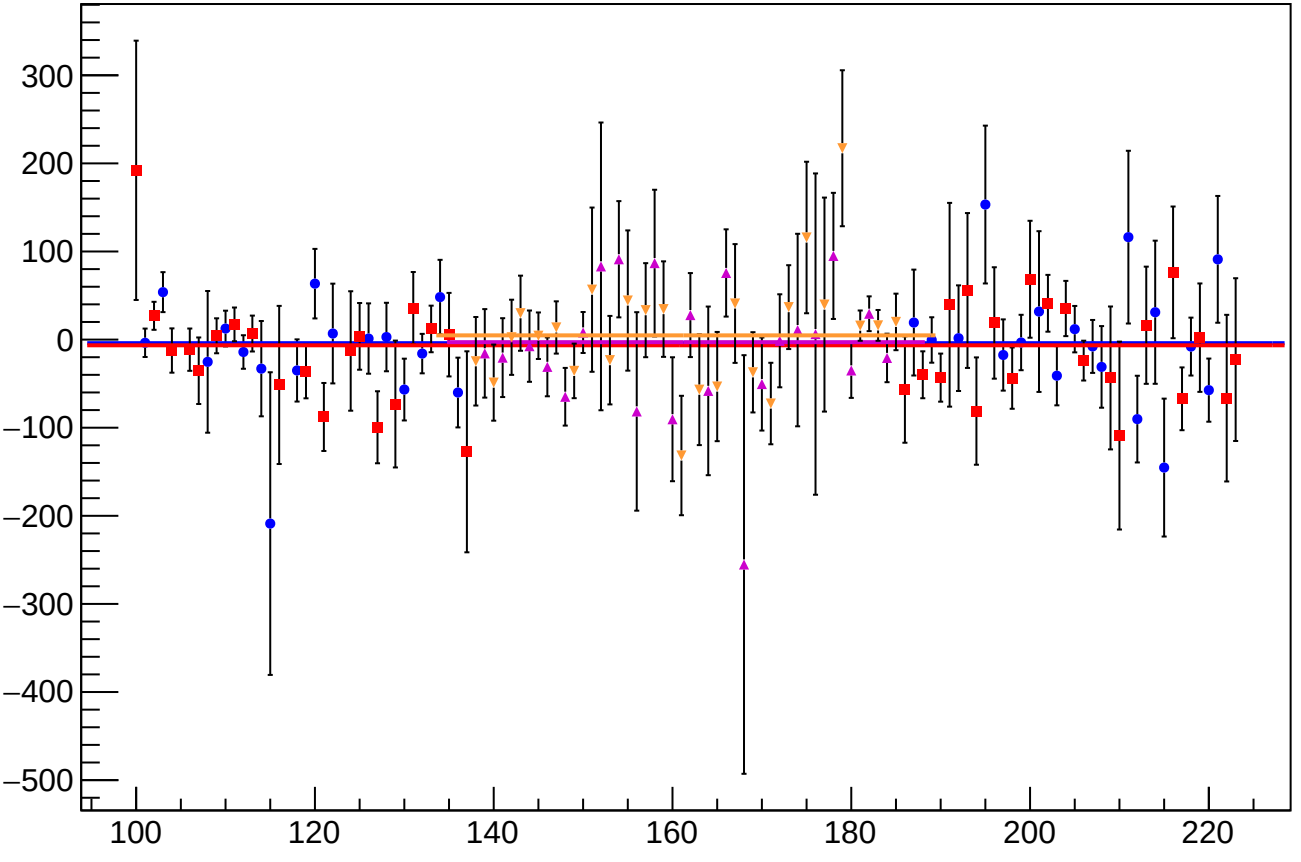
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 184.054+/-0.021 χ^2/NDF: 4537277.4/58

All: 180.320+/-0.015 χ^2/NDF: 9813348.2/120

- sign 176.782+/-0.020 χ^2/NDF: 5214655.8/61

asym_bcm_an_diff_mean vs Slug



Right In: -4.067+/-5.860 χ^2/NDF: 36.6/33

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -6.469+/-5.546 χ^2/NDF: 42.9/38

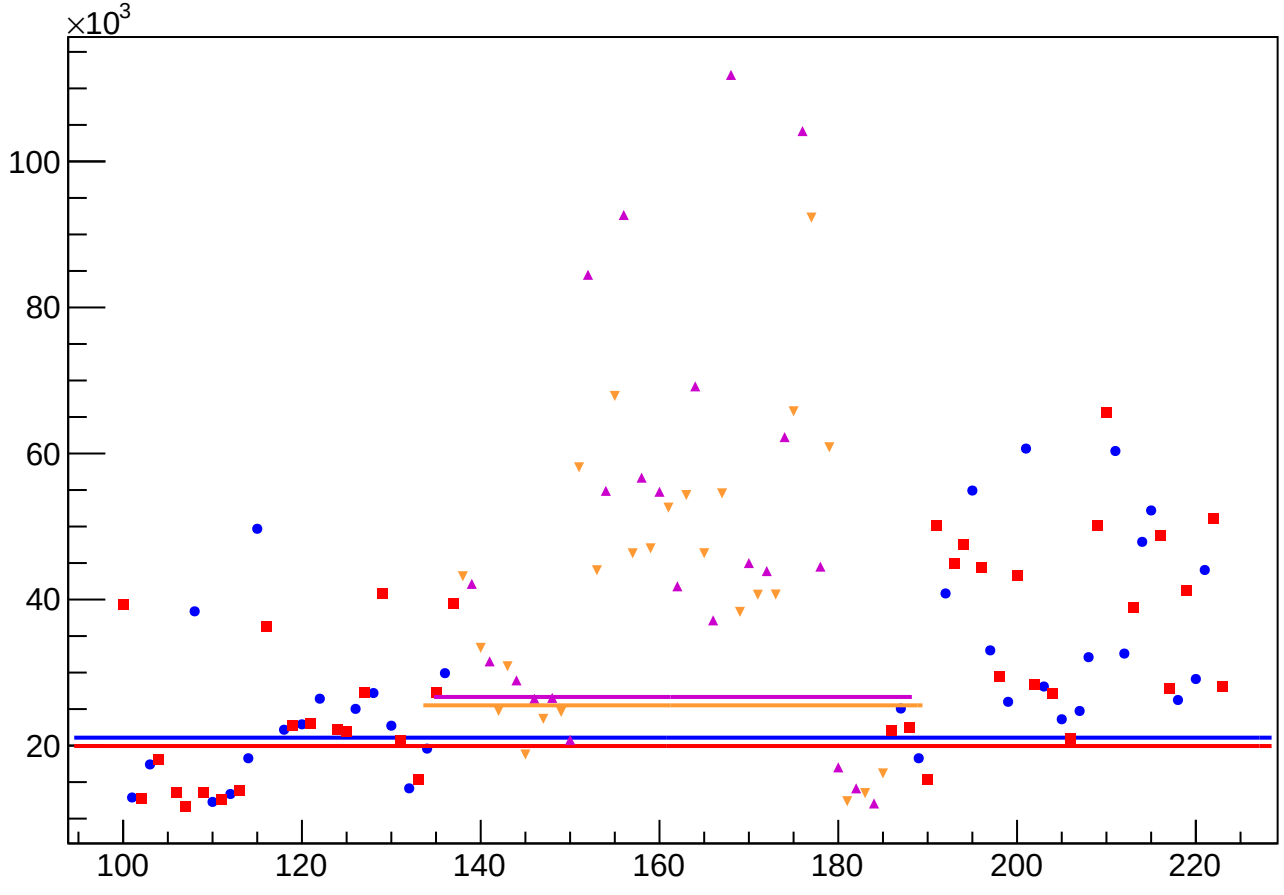
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign -0.760+/-4.641 χ^2/NDF: 61.7/58

All: -3.084+/-3.302 χ^2/NDF: 126.8/120

- sign -5.466+/-4.698 χ^2/NDF: 64.5/61

asym_bcm_an_diff_rms vs Slug



Right In: 21086.297+/-4.144 χ^2/NDF: 4519401.1/33

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19940.383+/-3.922 χ^2/NDF: 5273622.8/38

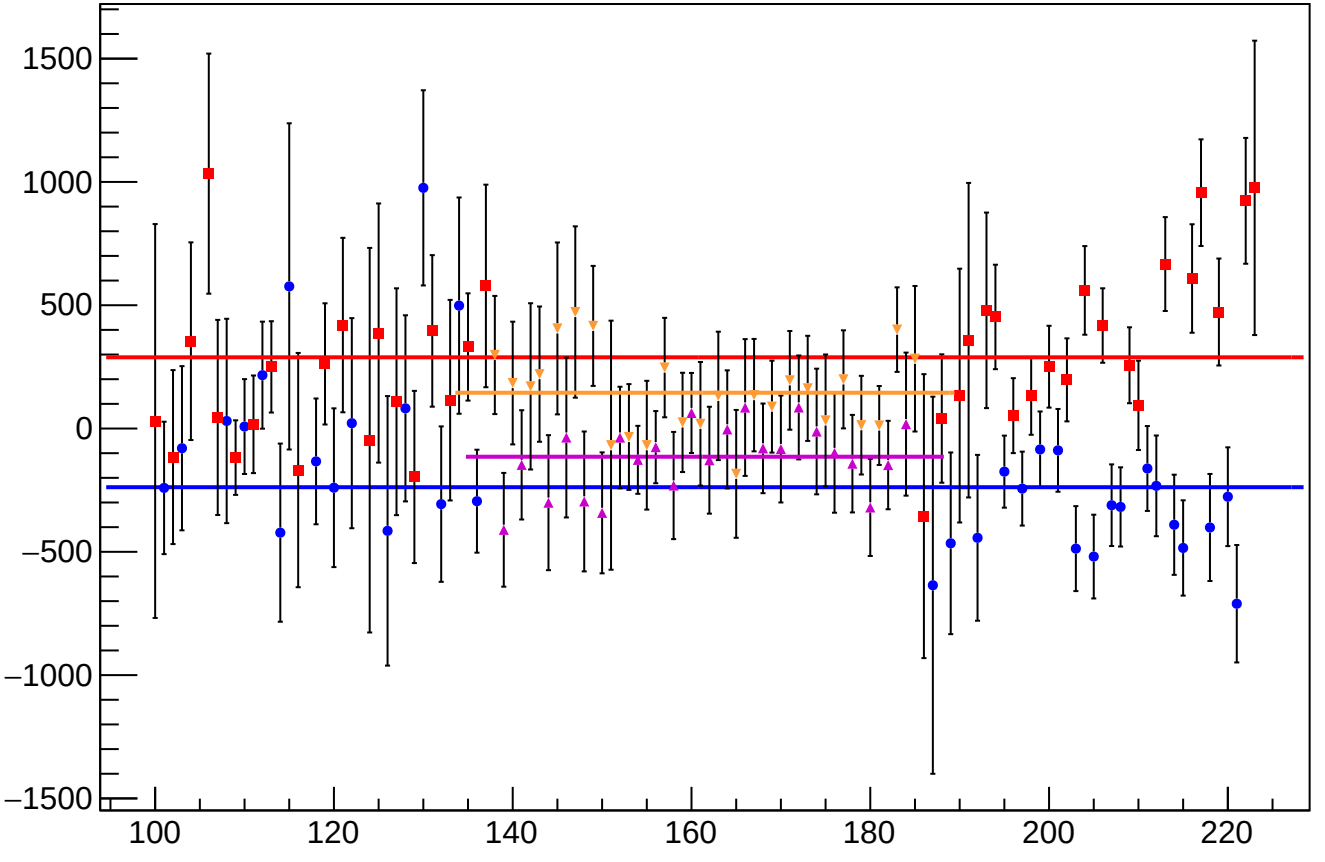
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22736.476+/-3.282 χ^2/NDF: 12687364.5/58

All: 22293.068+/-2.335 χ^2/NDF: 24710514.7

- sign 21838.649+/-3.322 χ^2/NDF: 11986185.0/61

asym_bcm_an_ds_mean vs Slug



Right In: -237.983+/-38.475 χ^2/NDF: 37.3/33

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 288.816+/-38.340 χ^2/NDF: 52.4/38

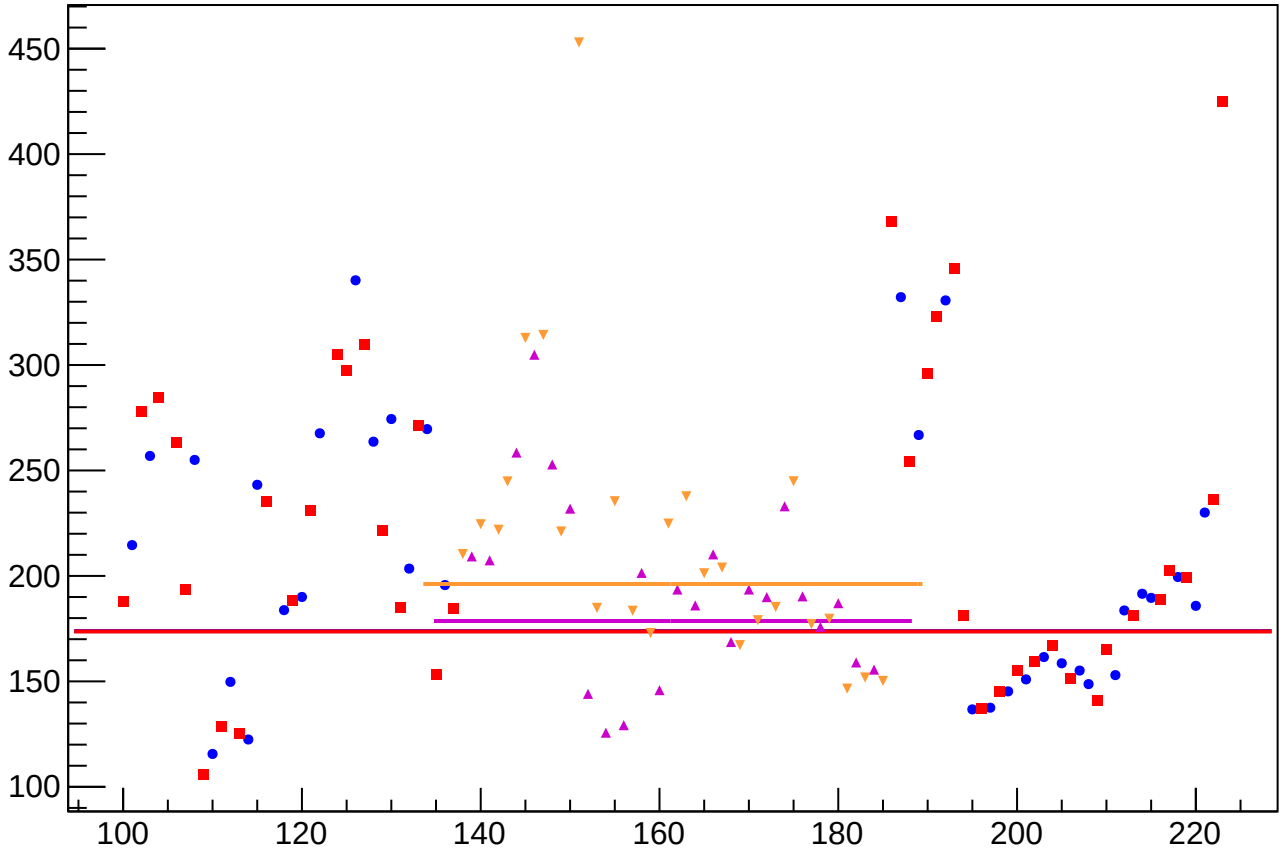
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -81.177+/-29.572 χ^2/NDF: 89.1/58

All: 18.527+/-20.631 χ^2/NDF: 220.3/120

- sign 113.076+/-28.797 χ^2/NDF: 109.0/61

asym_bcm_an_ds_rms vs Slug



Right In: 173.842+/-0.027 χ^2/NDF: 2495977.1/33

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 173.676+/-0.027 χ^2/NDF: 3591803.4/38

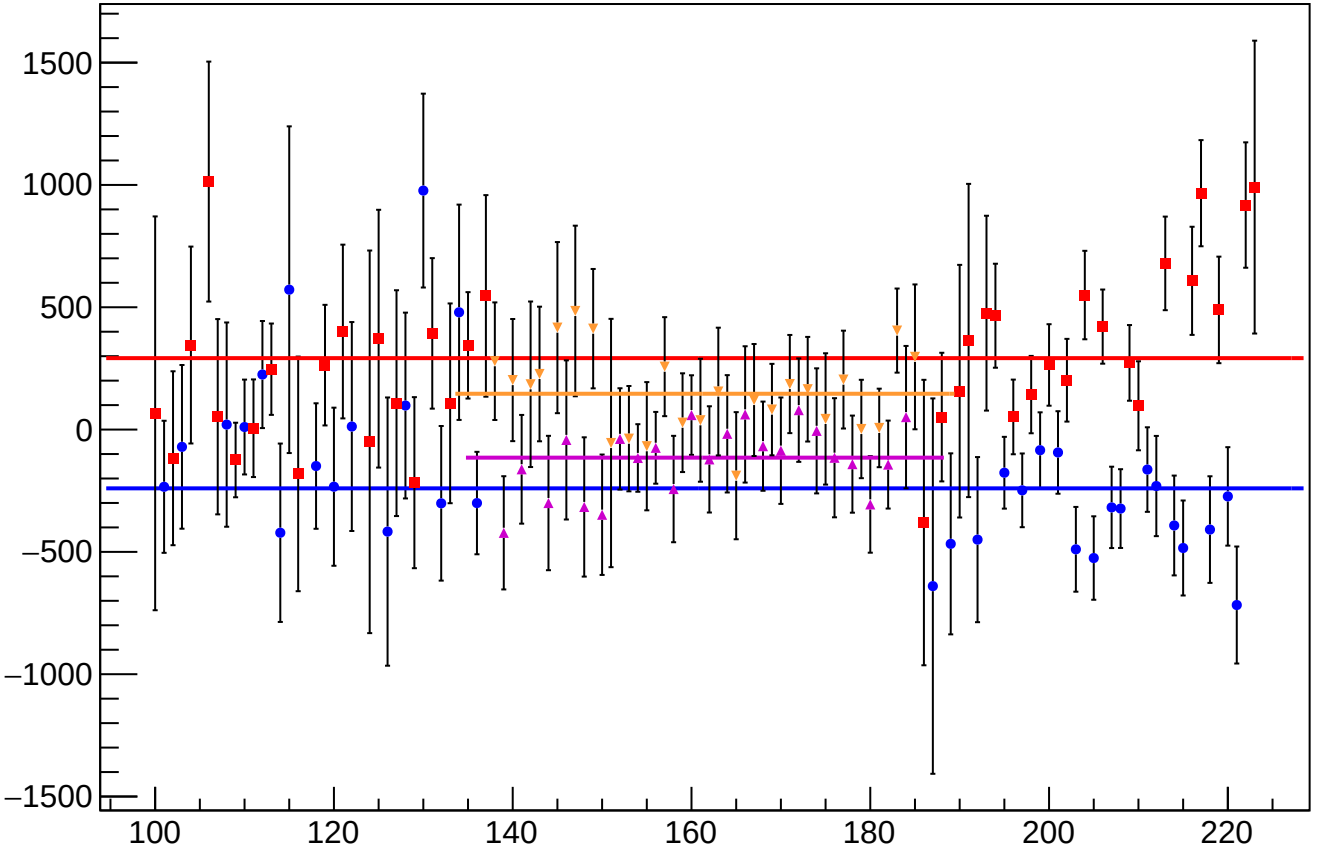
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 182.978+/-0.021 χ^2/NDF: 4578395.2/58

All: 179.310+/-0.015 χ^2/NDF: 9896530.5/120

- sign 175.831+/-0.020 χ^2/NDF: 5258176.8/61

asym_bcm_an_ds3_mean vs Slug



Right In: -240.284+/-38.655 χ^2/NDF: 37.4/33

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 292.001+/-38.529 χ^2/NDF: 52.5/38

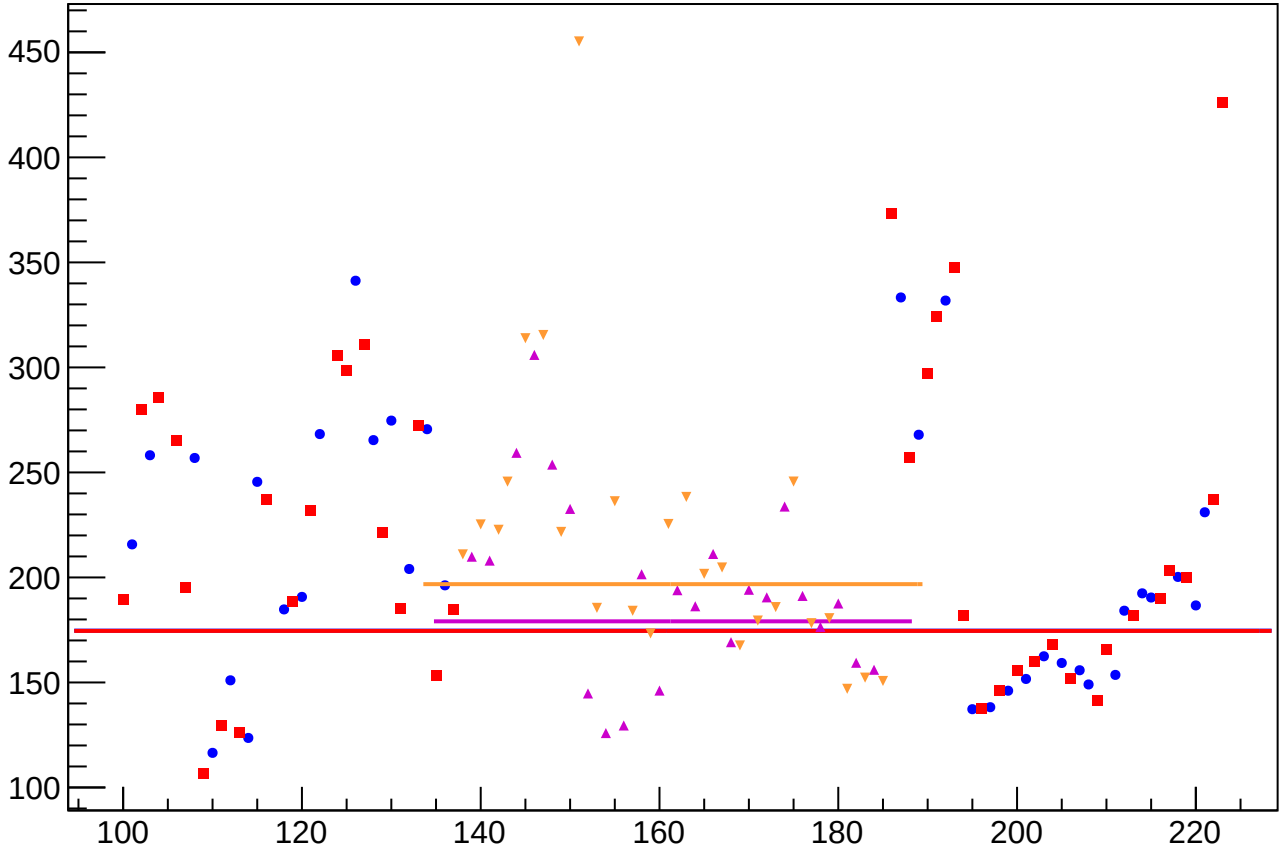
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -81.772+/-29.694 χ^2/NDF: 89.9/58

All: 18.861+/-20.715 χ^2/NDF: 221.9/120

- sign 114.266+/-28.912 χ^2/NDF: 109.6/61

asym_bcm_an_ds3_rms vs Slug



Right In: 174.673+/-0.027 χ^2/NDF: 2487096.3/33

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

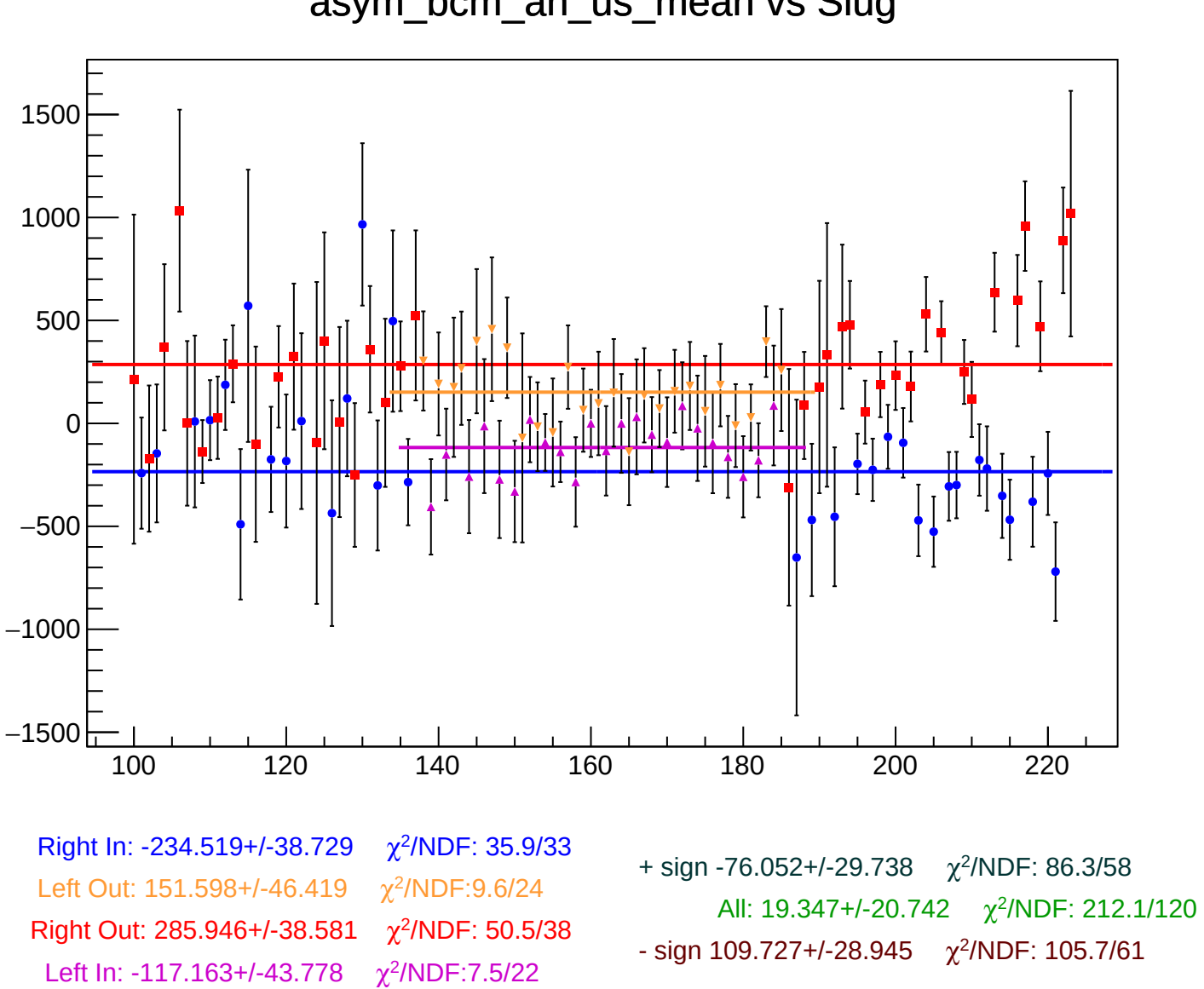
Right Out: 174.541+/-0.027 χ^2/NDF: 3586565.3/38

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

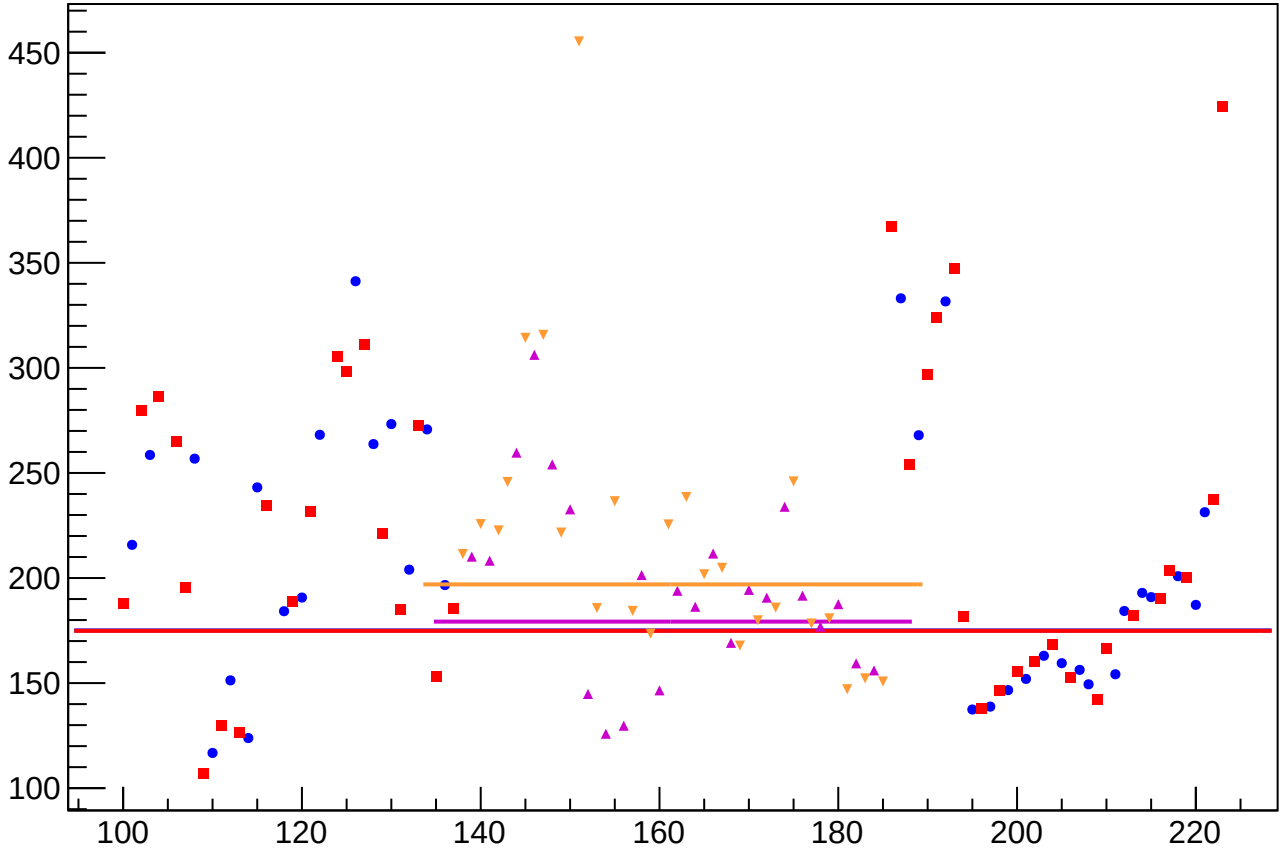
+ sign 183.745+/-0.021 χ^2/NDF: 4564459.3/58

All: 180.043+/-0.015 χ^2/NDF: 9879704.7/120

- sign 176.533+/-0.020 χ^2/NDF: 5254672.8/61


asym_bcm_an_us_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -234.519+/-38.729 χ²/NDF: 35.9/33
Left Out: 151.598+/-46.419 χ²/NDF:9.6/24
Right Out: 285.946+/-38.581 χ²/NDF: 50.5/38
Left In: -117.163+/-43.778 χ²/NDF:7.5/22
+ sign -76.052+/-29.738 χ²/NDF: 86.3/58
All: 19.347+/-20.742 χ²/NDF: 212.1/120
- sign 109.727+/-28.945 χ²/NDF: 105.7/61

asym_bcm_an_us_rms vs Slug



Right In: 175.059+/-0.027 χ^2/NDF: 2465120.7/33

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 174.860+/-0.027 χ^2/NDF: 3547283.8/38

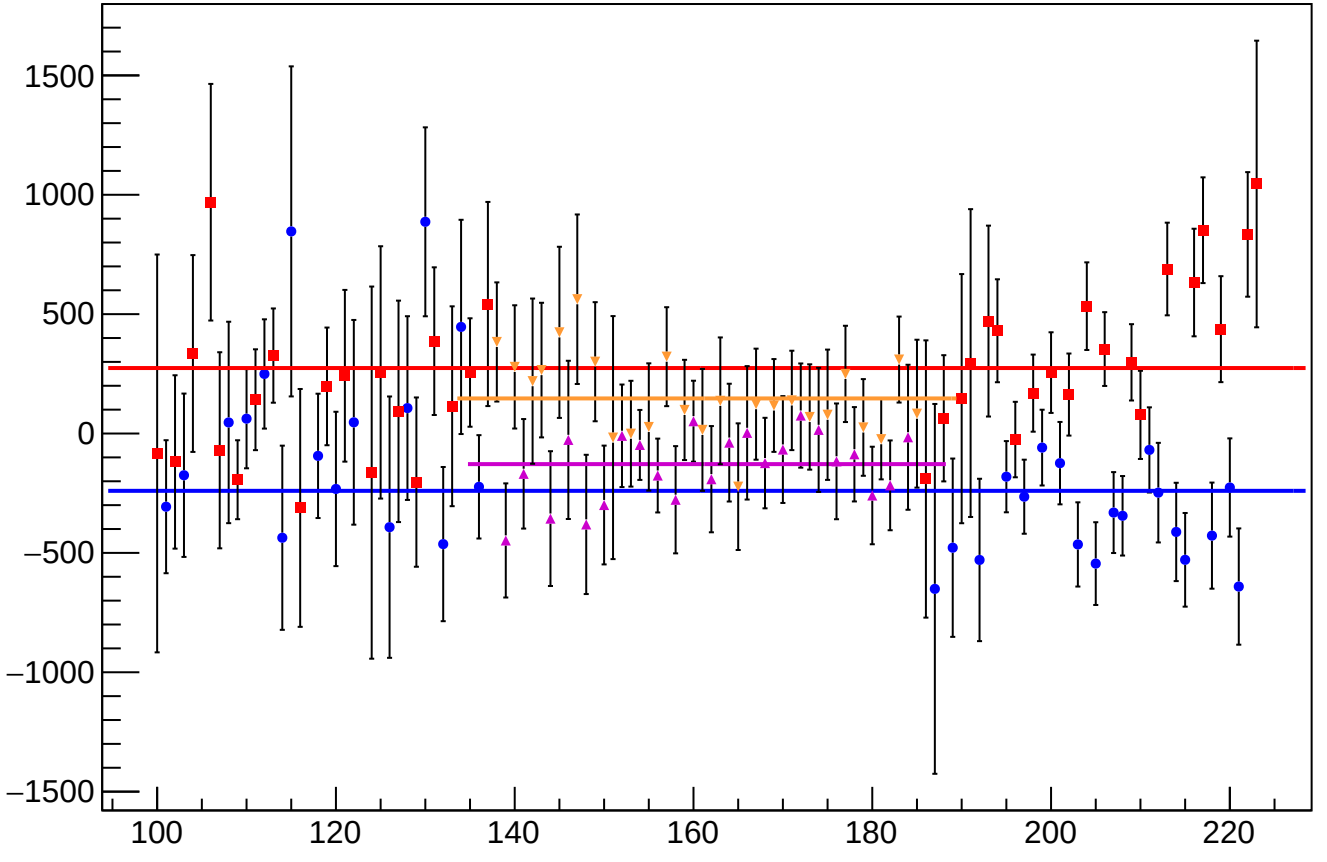
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 184.054+/-0.021 χ^2/NDF: 4537277.4/58

All: 180.320+/-0.015 χ^2/NDF: 9813348.2/120

- sign 176.782+/-0.020 χ^2/NDF: 5214655.8/61

asym_bcm_dg_us_mean vs Slug



Right In: -240.067+/-39.571 χ^2/NDF: 38.5/33

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 274.269+/-39.544 χ^2/NDF: 47.6/38

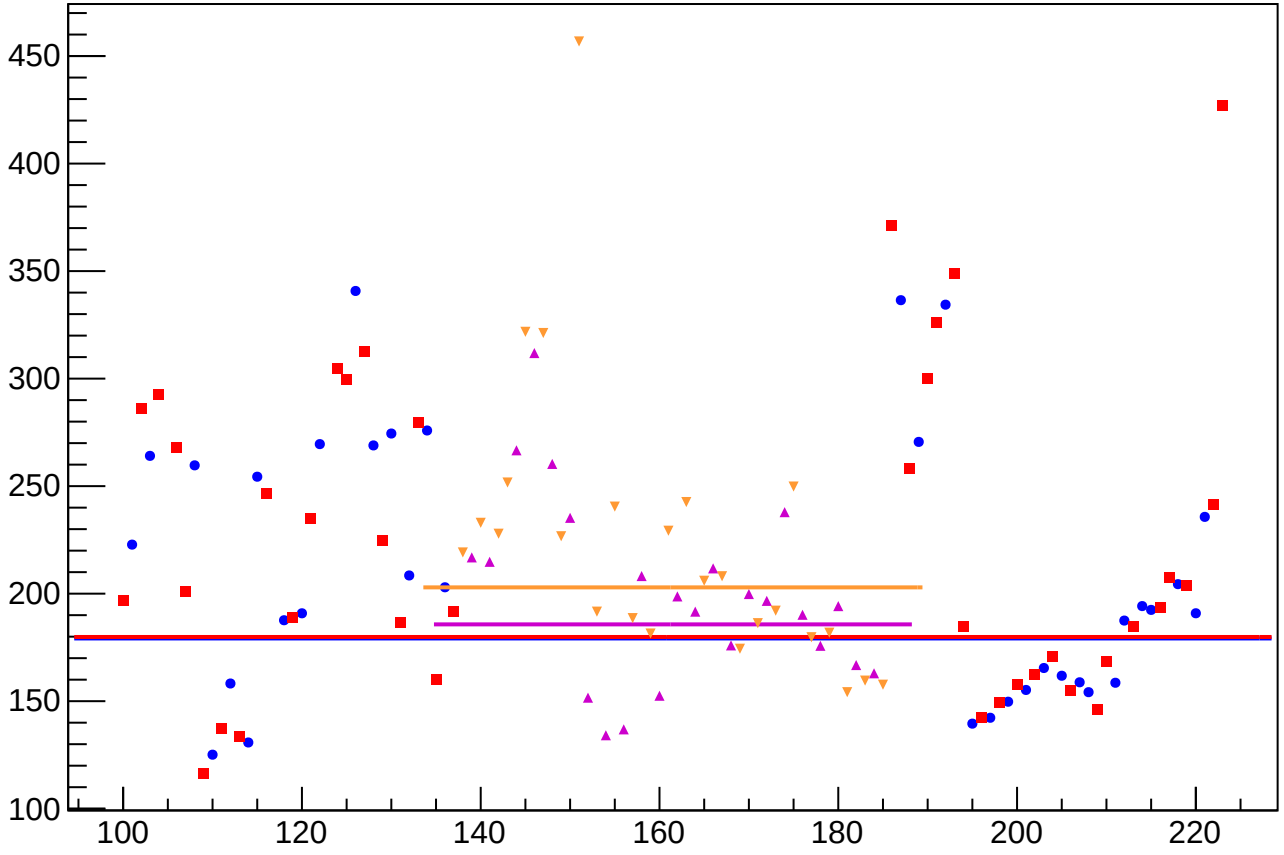
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -82.322+/-30.458 χ^2/NDF: 87.7/58

All: 10.841+/-21.287 χ^2/NDF: 207.1/120

- sign 99.795+/-29.762 χ^2/NDF: 101.1/61

asym_bcm_dg_us_rms vs Slug



Right In: 179.171+/-0.028 χ^2/NDF: 2355106.0/33

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

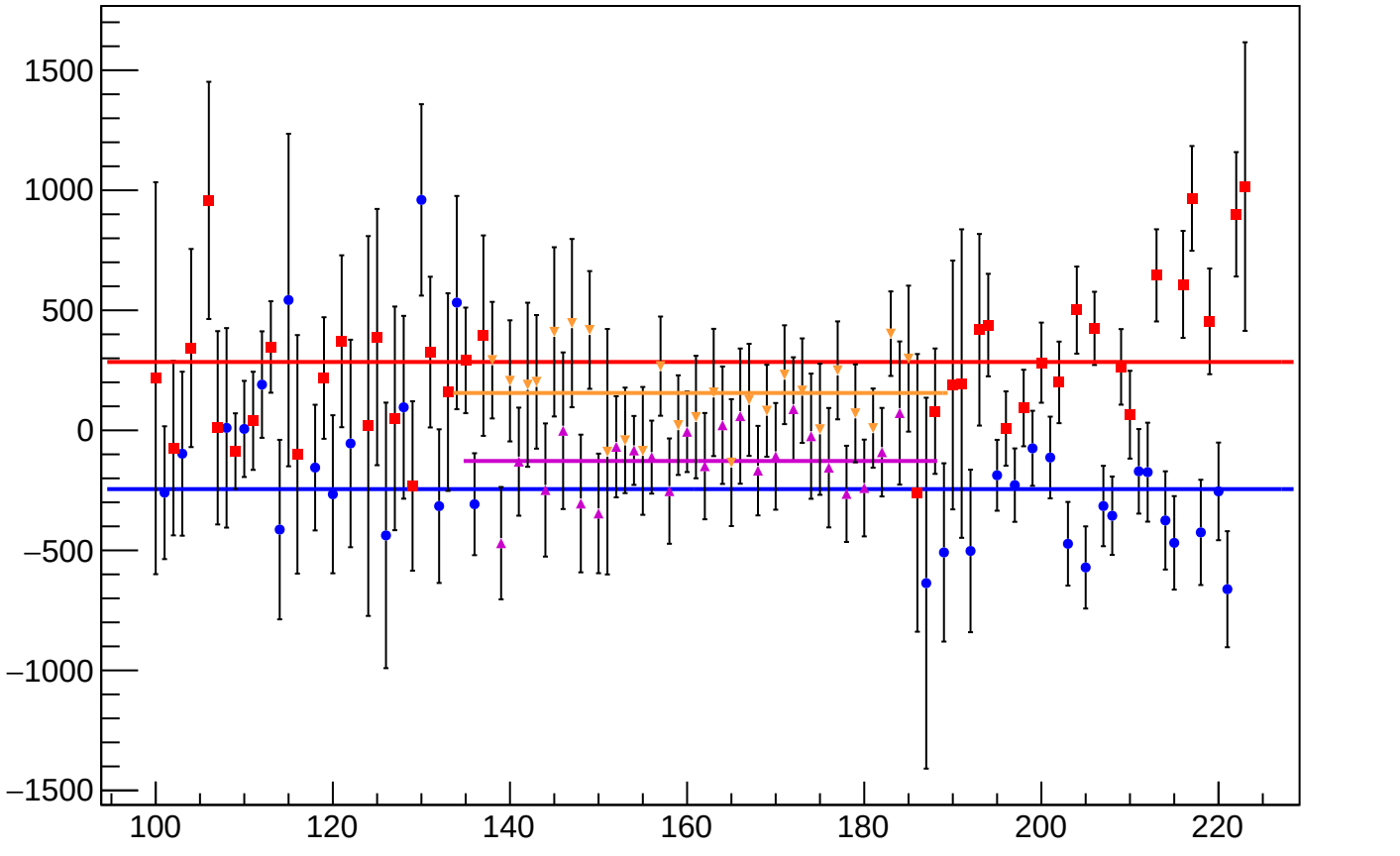
Right Out: 179.854+/-0.028 χ^2/NDF: 3308673.9/38

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 188.850+/-0.022 χ^2/NDF: 4348832.1/58

All: 185.548+/-0.015 χ^2/NDF: 9212002.5/120

- sign 182.395+/-0.021 χ^2/NDF: 4817215.9/61



Right In: -244.840+/-39.084 χ^2/NDF: 36.0/33

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 284.781+/-38.972 χ^2/NDF: 47.8/38

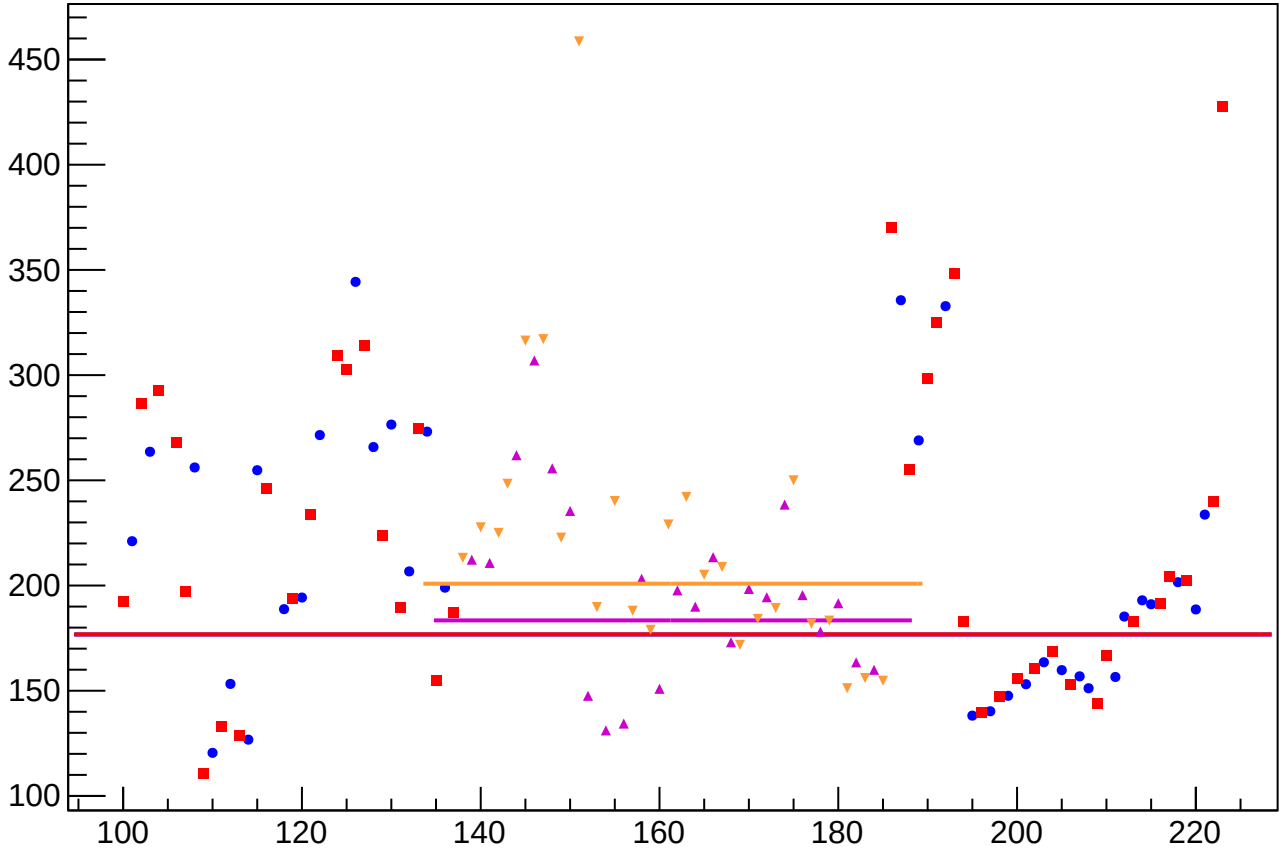
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -82.198+/-30.119 χ^2/NDF: 89.3/58

All: 14.592+/-21.029 χ^2/NDF: 213.6/120

- sign 106.654+/-29.375 χ^2/NDF: 104.1/61

asym_bcm_dg_ds_rms vs Slug



Right In: 176.728+/-0.028 χ^2/NDF: 2449886.9/33

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 176.798+/-0.028 χ^2/NDF: 3500977.2/38

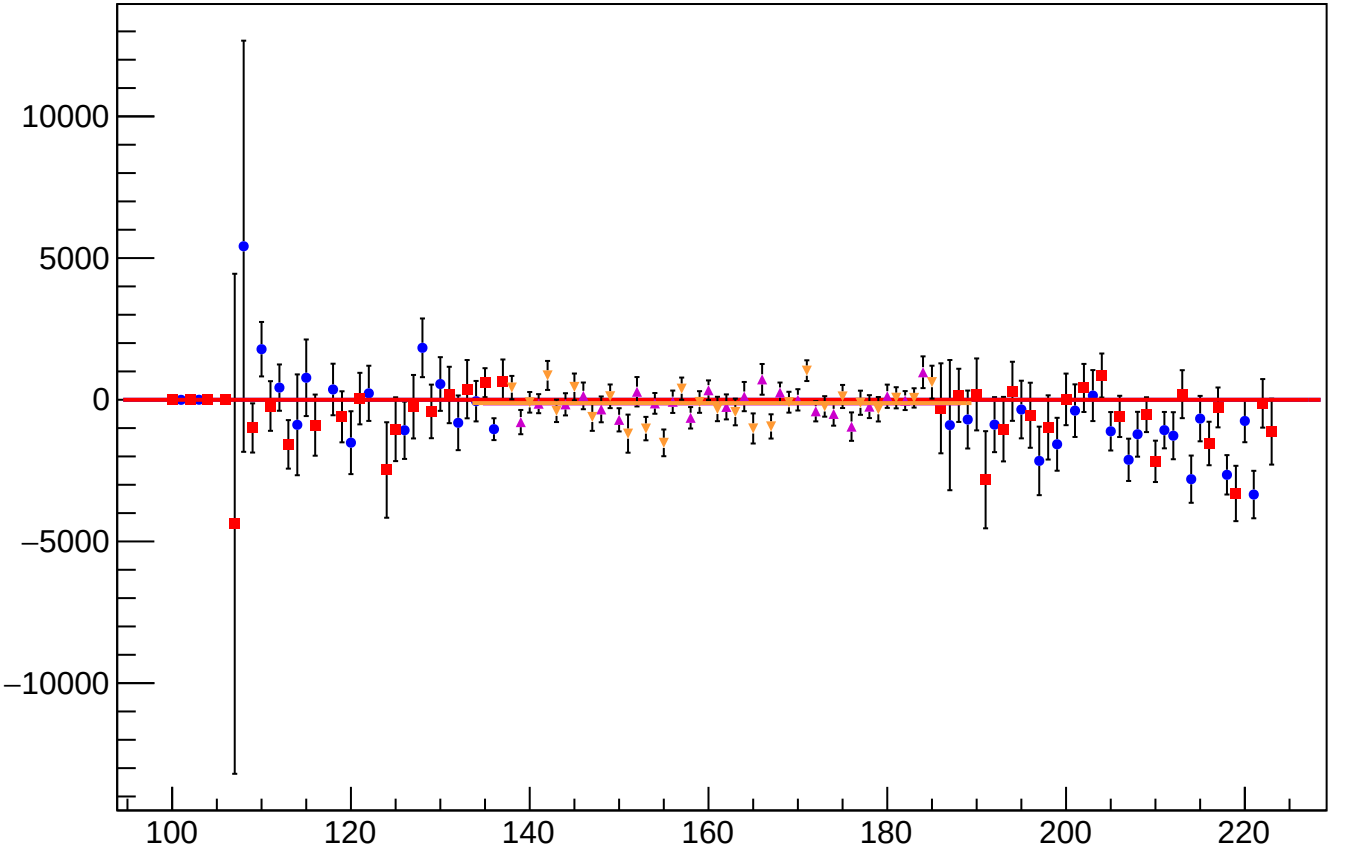
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 186.530+/-0.021 χ^2/NDF: 4487070.5/58

All: 183.011+/-0.015 χ^2/NDF: 9597037.7/120

- sign 179.664+/-0.021 χ^2/NDF: 5056695.4/61

asym_cav4bQ_mean vs Slug



Right In: -1.403+/-2.171 χ^2/NDF: 89.3/33

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.436+/-2.022 χ^2/NDF: 49.9/38

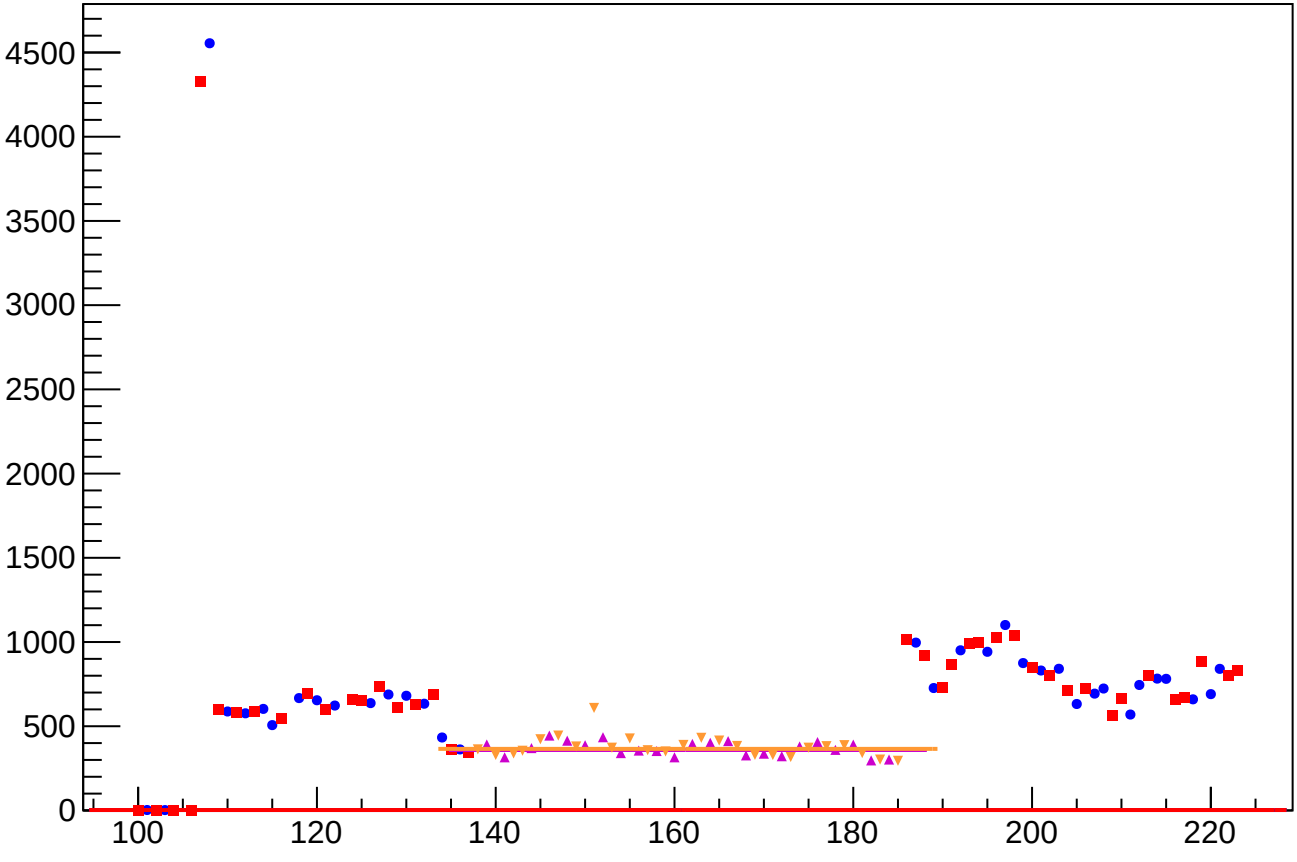
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.480+/-2.170 χ^2/NDF: 137.6/58

All: -1.496+/-1.479 χ^2/NDF: 211.4/120

- sign -1.509+/-2.022 χ^2/NDF: 73.8/61

asym_cav4bQ_rms vs Slug



Right In: 2.566+/-0.002 χ^2/NDF: 40718245.6/33

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.540+/-0.001 χ^2/NDF: 41880105.7/38

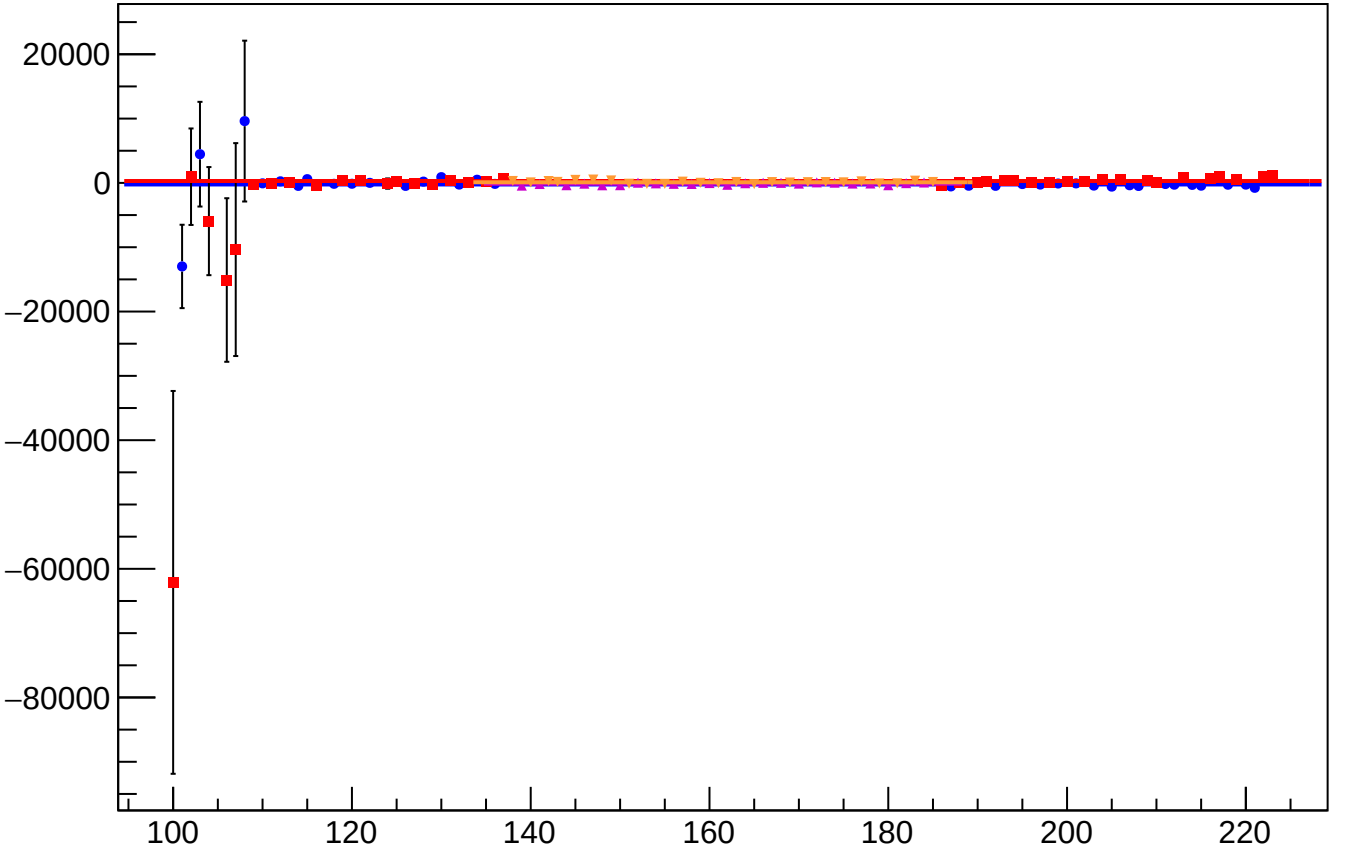
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

\+ sign 2.807+/-0.002 χ^2/NDF: 78534983.4/58

All: 2.772+/-0.001 χ^2/NDF: 155958832.9/120

\- sign 2.741+/-0.001 χ^2/NDF: 77422879.1/61

asym_cav4cQ_mean vs Slug



Right In: -242.437+/-42.325 χ^2/NDF: 38.7/33

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 294.802+/-42.673 χ^2/NDF: 57.9/38

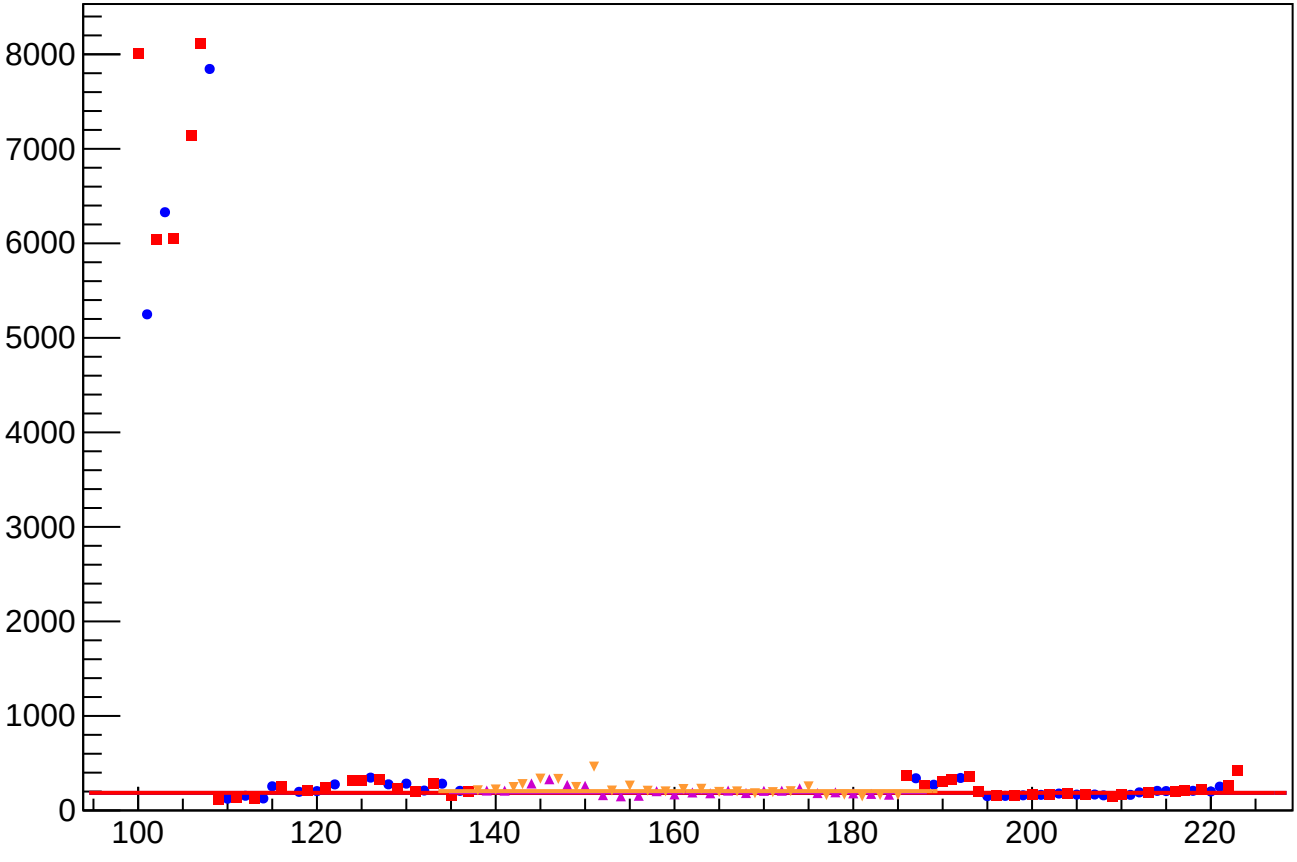
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -93.698+/-31.818 χ^2/NDF: 79.8/58

All: 7.643+/-22.414 χ^2/NDF: 209.7/120

- sign 107.478+/-31.581 χ^2/NDF: 109.7/61

asym_cav4cQ_rms vs Slug



Right In: 185.289+/-0.030 χ^2/NDF: 5125026.9/33

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 186.529+/-0.030 χ^2/NDF: 6181217.0/38

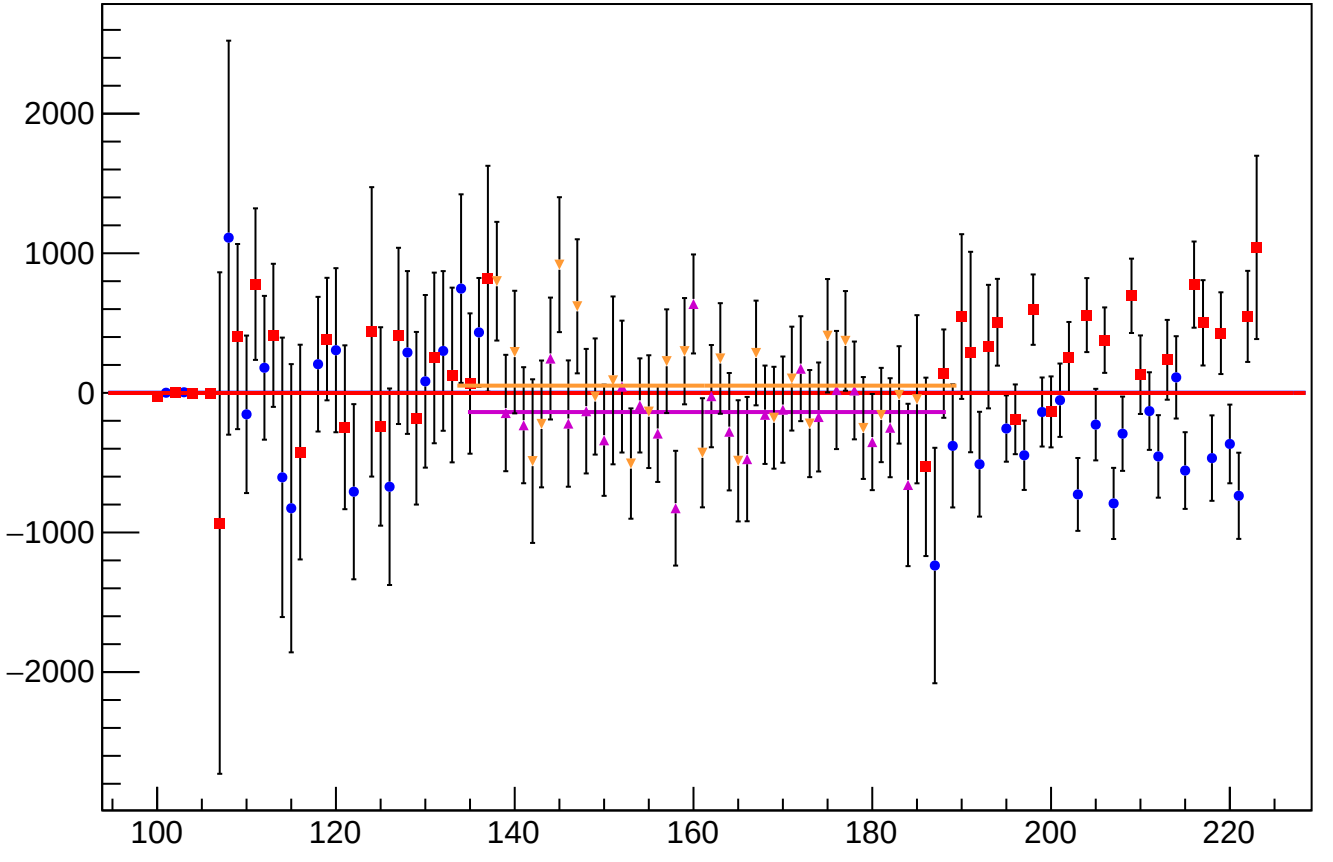
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 193.678+/-0.022 χ^2/NDF: 7280842.5/58

All: 191.755+/-0.016 χ^2/NDF: 14695102.2/12

- sign 189.861+/-0.022 χ^2/NDF: 7399759.2/61

asym_cav4dQ_mean vs Slug



Right In: 1.226+/-1.660 χ^2/NDF: 53.6/33

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -0.924+/-1.527 χ^2/NDF: 53.1/38

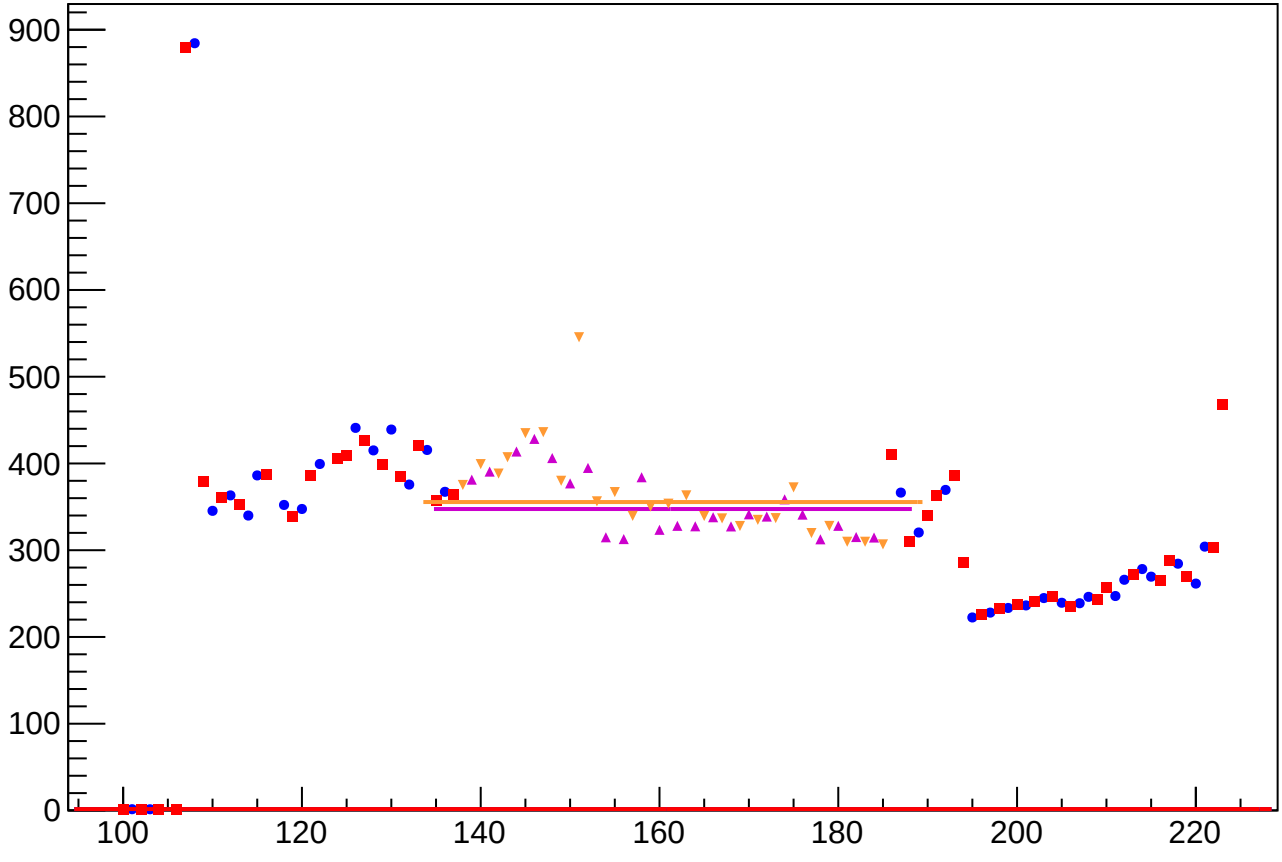
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.247+/-1.659 χ^2/NDF: 73.4/58

All: 0.046+/-1.124 χ^2/NDF: 142.4/120

- sign -0.971+/-1.527 χ^2/NDF: 68.0/61

asym_cav4dQ_rms vs Slug



Right In: 1.625+/-0.001 χ^2/NDF: 40876250.9/33

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.597+/-0.001 χ^2/NDF: 41544731.7/38

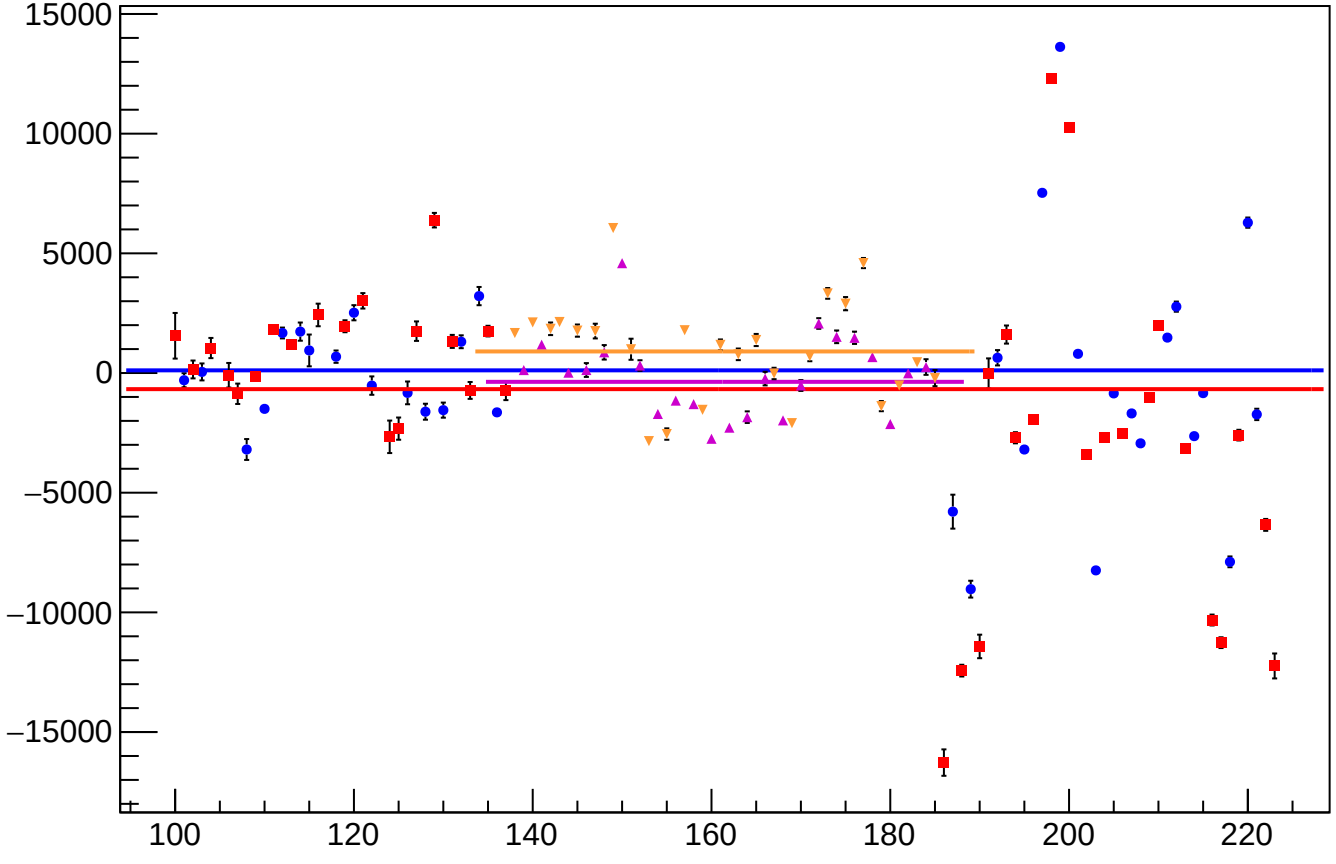
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.772+/-0.001 χ^2/NDF: 79052528.3/58

All: 1.742+/-0.001 χ^2/NDF: 156419831.1/120

- sign 1.717+/-0.001 χ^2/NDF: 77366127.4/61

asym_bcm0l02_mean vs Slug



Right In: 111.497+/-40.580 χ^2/NDF: 14399.2/33

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -673.694+/-40.280 χ^2/NDF: 19902.8/38

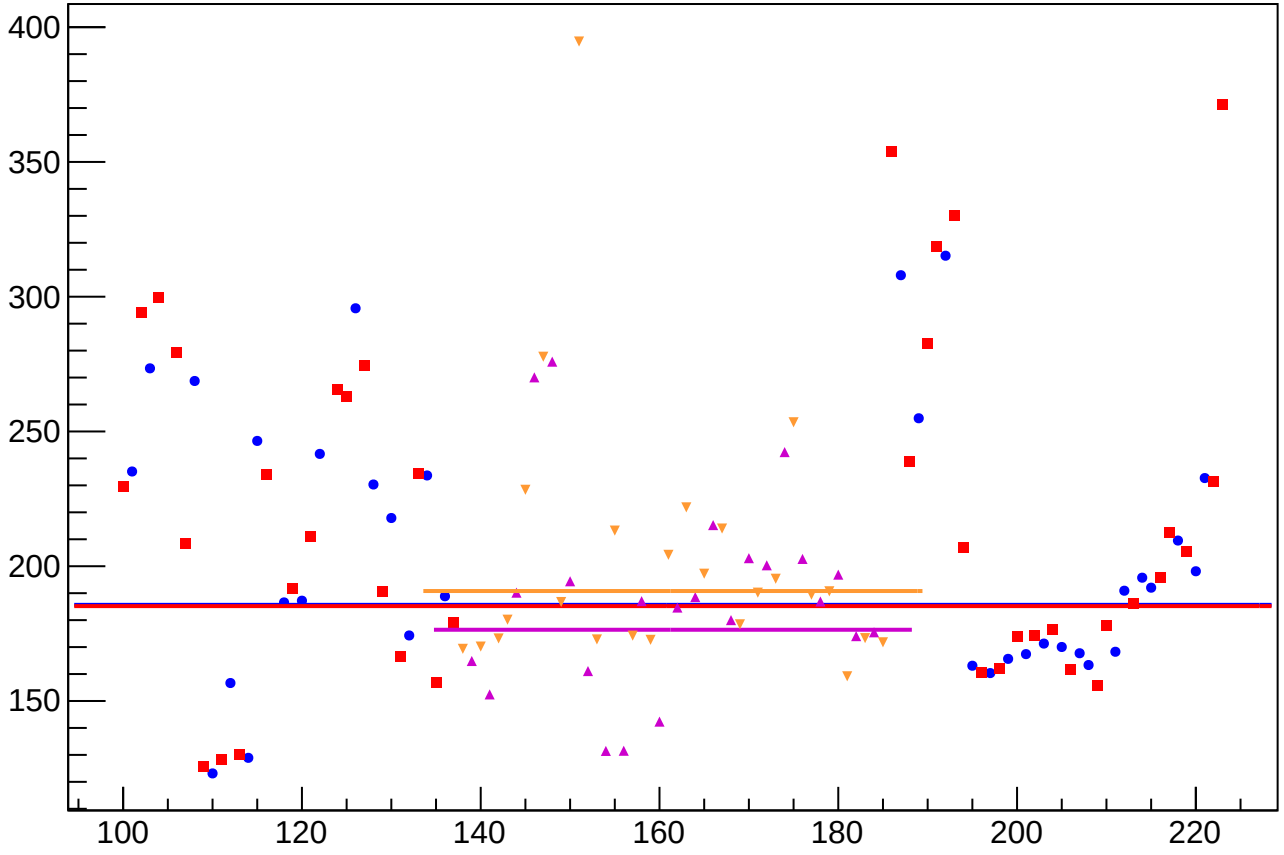
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 470.329+/-29.979 χ^2/NDF: 16982.3/58

All: -41.220+/-20.954 χ^2/NDF: 39074.4/120

- sign -529.873+/-29.300 χ^2/NDF: 21522.8/61

asym_bcm0l02_rms vs Slug



Right In: 185.670+/-0.029 χ^2/NDF: 1573358.3/33

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 185.201+/-0.028 χ^2/NDF: 2585121.5/38

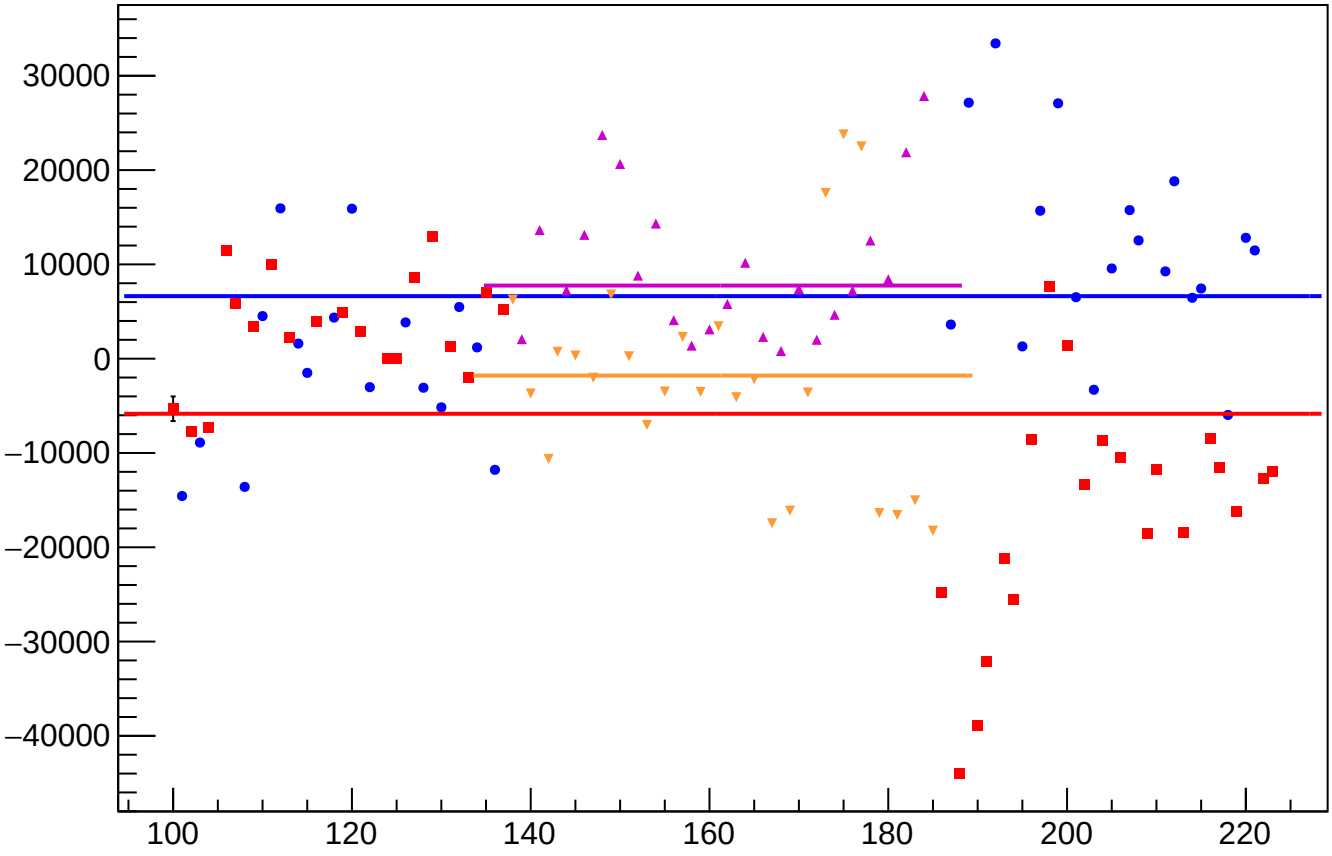
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 188.001+/-0.021 χ^2/NDF: 2607482.1/58

All: 184.457+/-0.015 χ^2/NDF: 6549545.4/120

- sign 181.072+/-0.021 χ^2/NDF: 3887421.3/61

asym_bpm0i02WS_mean vs Slug



Right In: 6630.436+/-37.092 χ^2/NDF: 100296.4/33

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5842.352+/-35.894 χ^2/NDF: 150734.1/38

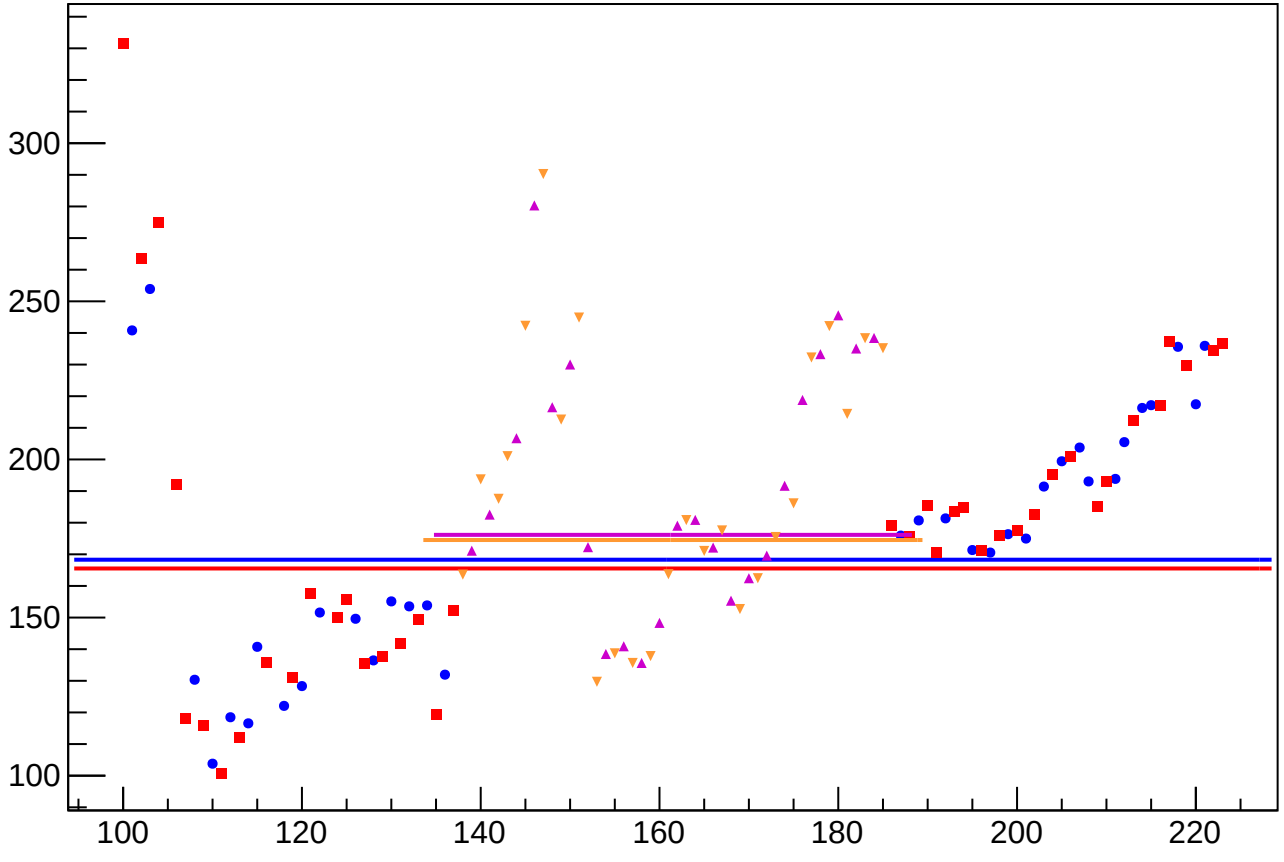
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2831.287+/-27.479 χ^2/NDF: 189295.3/58

All: 1317.311+/-19.417 χ^2/NDF: 428993.4/12

- sign -192.584+/-27.442 χ^2/NDF: 233635.0/61

asym_bpm0i02WS_rms vs Slug



Right In: 168.297+/-0.026 χ^2/NDF: 2086297.3/33

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

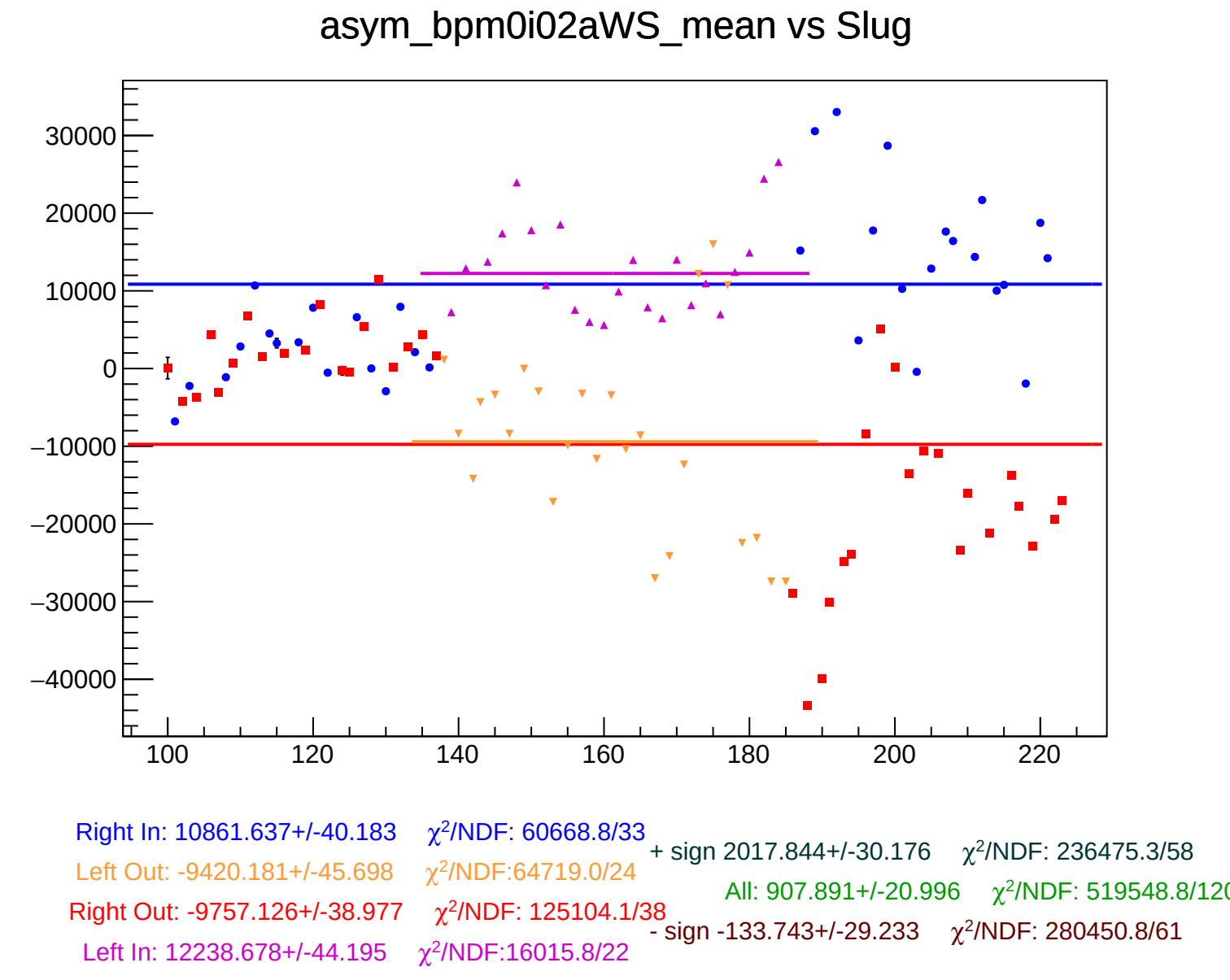
Right Out: 165.520+/-0.025 χ^2/NDF: 2512310.3/38

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

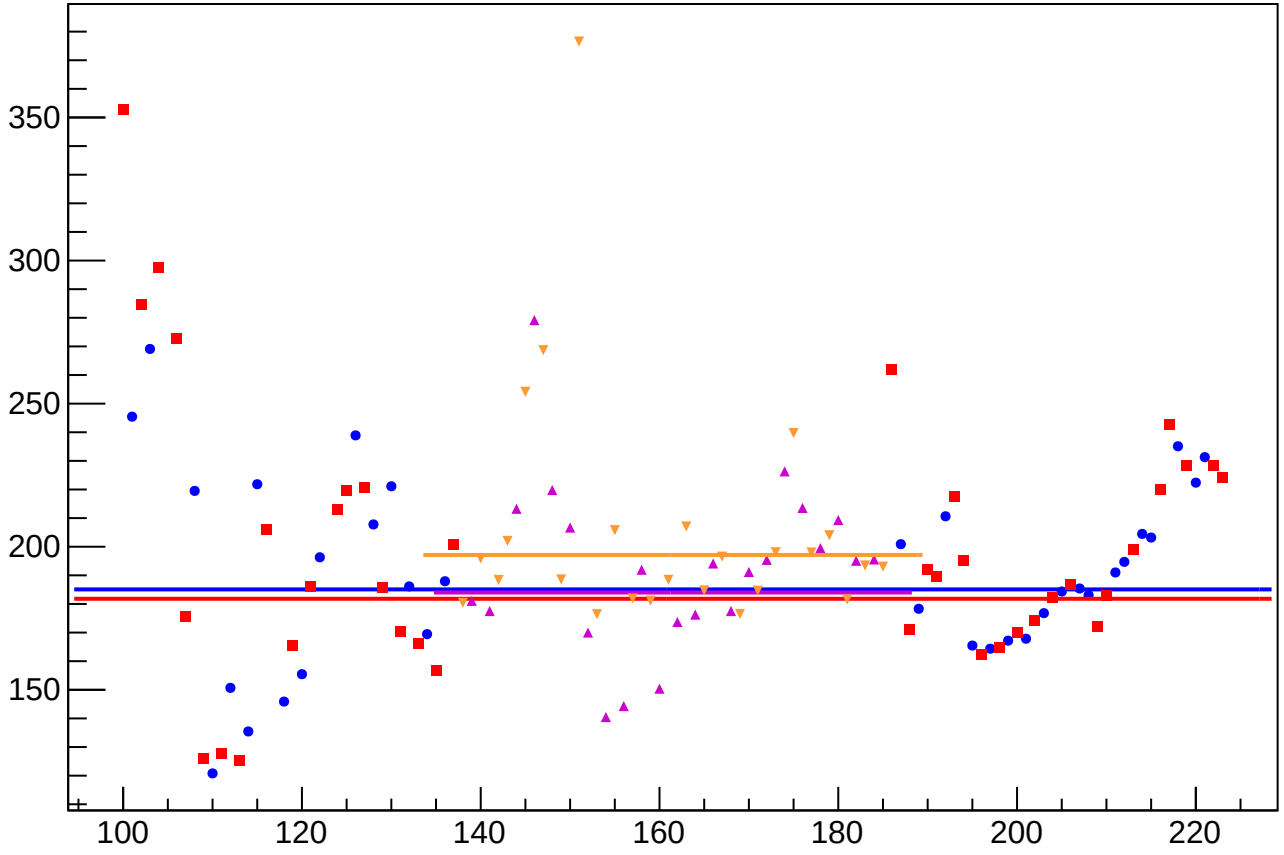
+ sign 171.105+/-0.019 χ^2/NDF: 3771173.5/58

All: 170.521+/-0.014 χ^2/NDF: 7725285.7/120

- sign 169.939+/-0.019 χ^2/NDF: 3952310.9/61


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 10861.637+/-40.183 χ²/NDF: 60668.8/33
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -9757.126+/-38.977 χ²/NDF: 125104.1/38
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 2017.844+/-30.176 χ²/NDF: 236475.3/58
All: 907.891+/-20.996 χ²/NDF: 519548.8/120
- sign -133.743+/-29.233 χ²/NDF: 280450.8/61

asym_bpm0i02aWS_rms vs Slug



Right In: 185.086+/-0.028 χ^2/NDF: 1062306.5/33

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 181.810+/-0.028 χ^2/NDF: 1610740.8/38

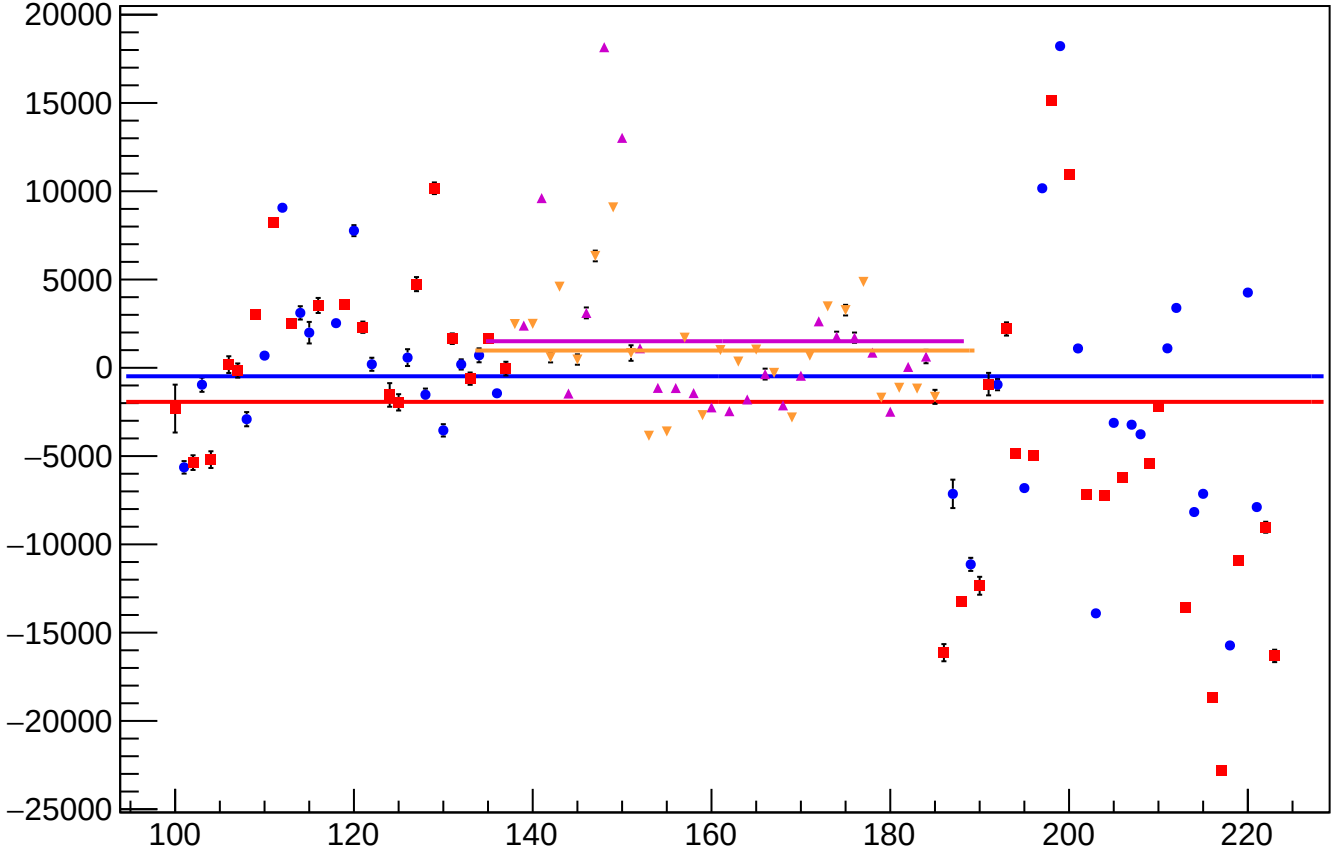
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 190.335+/-0.021 χ^2/NDF: 1873079.6/58

All: 186.428+/-0.015 χ^2/NDF: 4381296.5/120

- sign 182.762+/-0.021 χ^2/NDF: 2443243.5/61

asym_bpm0i05WS_mean vs Slug



Right In: -479.761+/-45.138 χ^2/NDF: 28035.3/33

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1929.086+/-43.916 χ^2/NDF: 38826.7/38

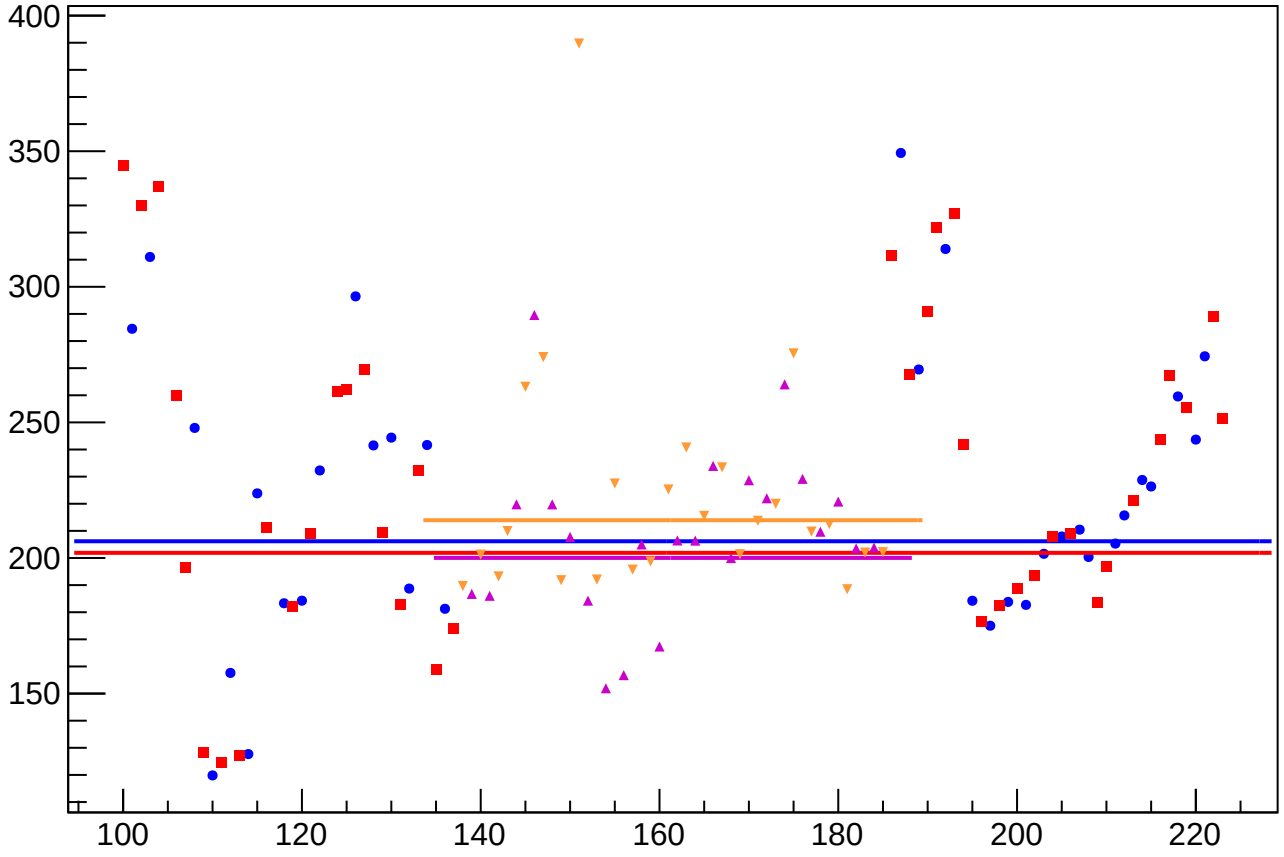
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 180.704+/-33.386 χ^2/NDF: 32830.9/58

All: -100.731+/-23.257 χ^2/NDF: 86059.4/120

- sign -366.070+/-32.417 χ^2/NDF: 53090.4/61

asym_bpm0i05WS_rms vs Slug



Right In: 206.167+/-0.032 χ^2/NDF: 1773205.5/33

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 201.900+/-0.031 χ^2/NDF: 2756654.2/38

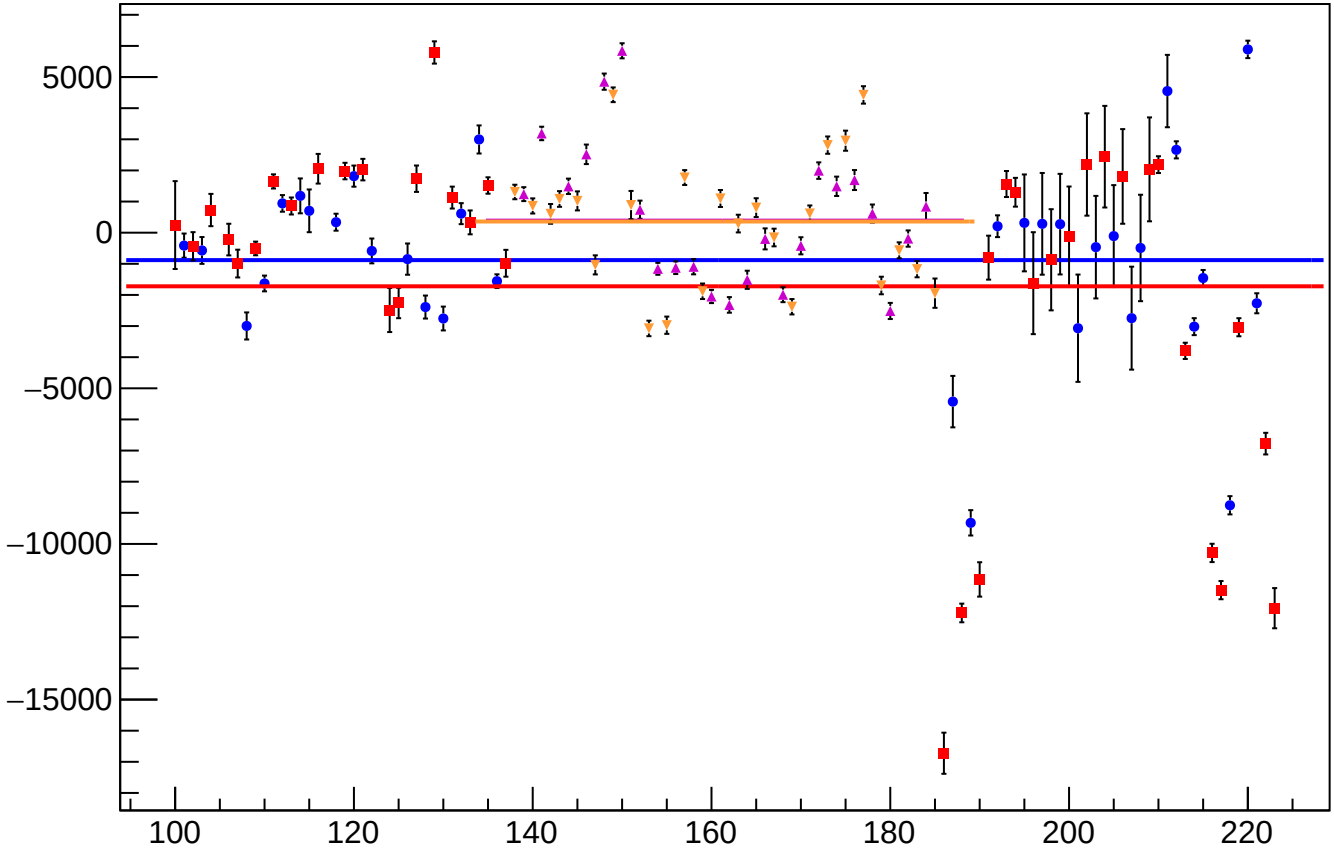
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.683+/-0.024 χ^2/NDF: 2533649.1/58

All: 205.239+/-0.016 χ^2/NDF: 6146331.1/120

- sign 201.049+/-0.023 χ^2/NDF: 3543829.3/61

asym_bpm0i07WS_mean vs Slug



Right In: -881.504+/-66.218 χ^2/NDF: 2380.3/33

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1723.083+/-62.172 χ^2/NDF: 6408.6/38

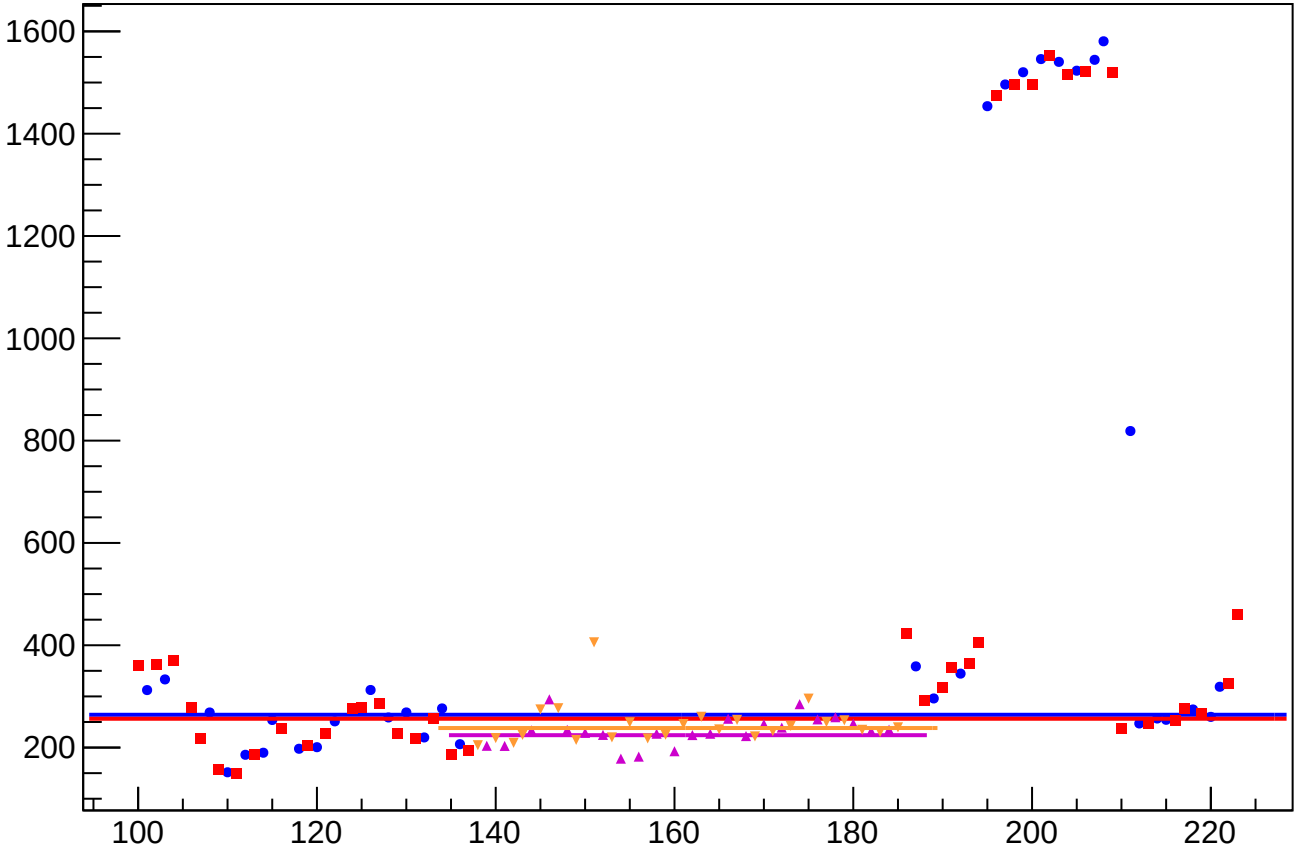
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -147.522+/-42.305 χ^2/NDF: 4006.8/58

All: -337.055+/-29.280 χ^2/NDF: 12919.5/120

- sign -511.313+/-40.565 χ^2/NDF: 8874.2/61

asym_bpm0i07WS_rms vs Slug



Right In: 264.118+/-0.047 χ^2/NDF: 11125639.6/33

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 256.351+/-0.044 χ^2/NDF: 10837247.6/38

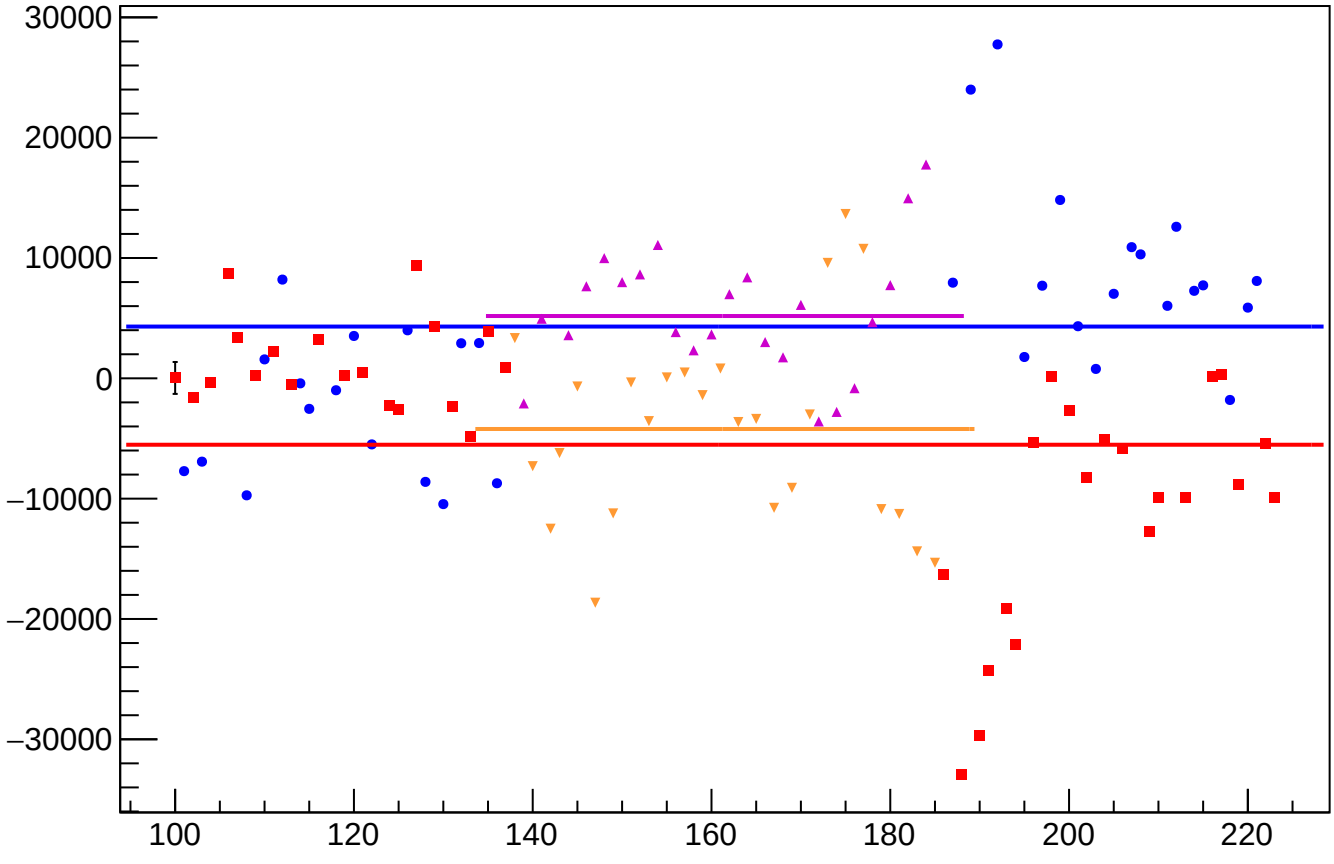
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 248.779+/-0.030 χ^2/NDF: 11874925.8/58

All: 243.108+/-0.021 χ^2/NDF: 23651314.8/12

- sign 237.894+/-0.029 χ^2/NDF: 11707410.7/61

asym_bpm1i02WS_mean vs Slug



Right In: 4302.381+/-31.514 χ^2/NDF: 83273.4/33

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5519.464+/-30.345 χ^2/NDF: 107749.0/38

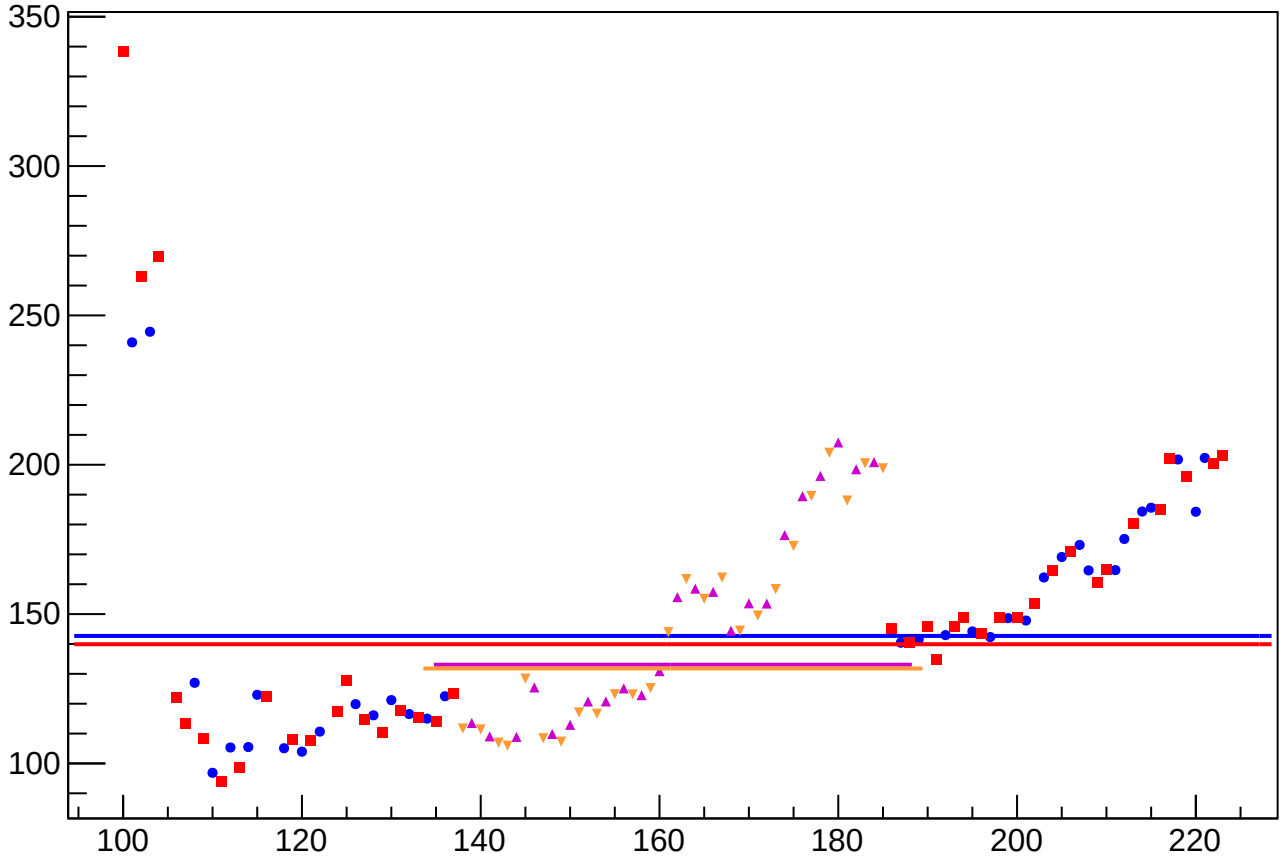
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -47.682+/-22.037 χ^2/NDF: 177365.2/58

All: -248.767+/-15.573 χ^2/NDF: 362725.4/12

- sign -449.336+/-22.009 χ^2/NDF: 185194.0/61

asym_bpm1i02WS_rms vs Slug



Right In: 142.691+/-0.022 χ^2/NDF: 2112273.8/33

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 139.908+/-0.021 χ^2/NDF: 2403528.5/38

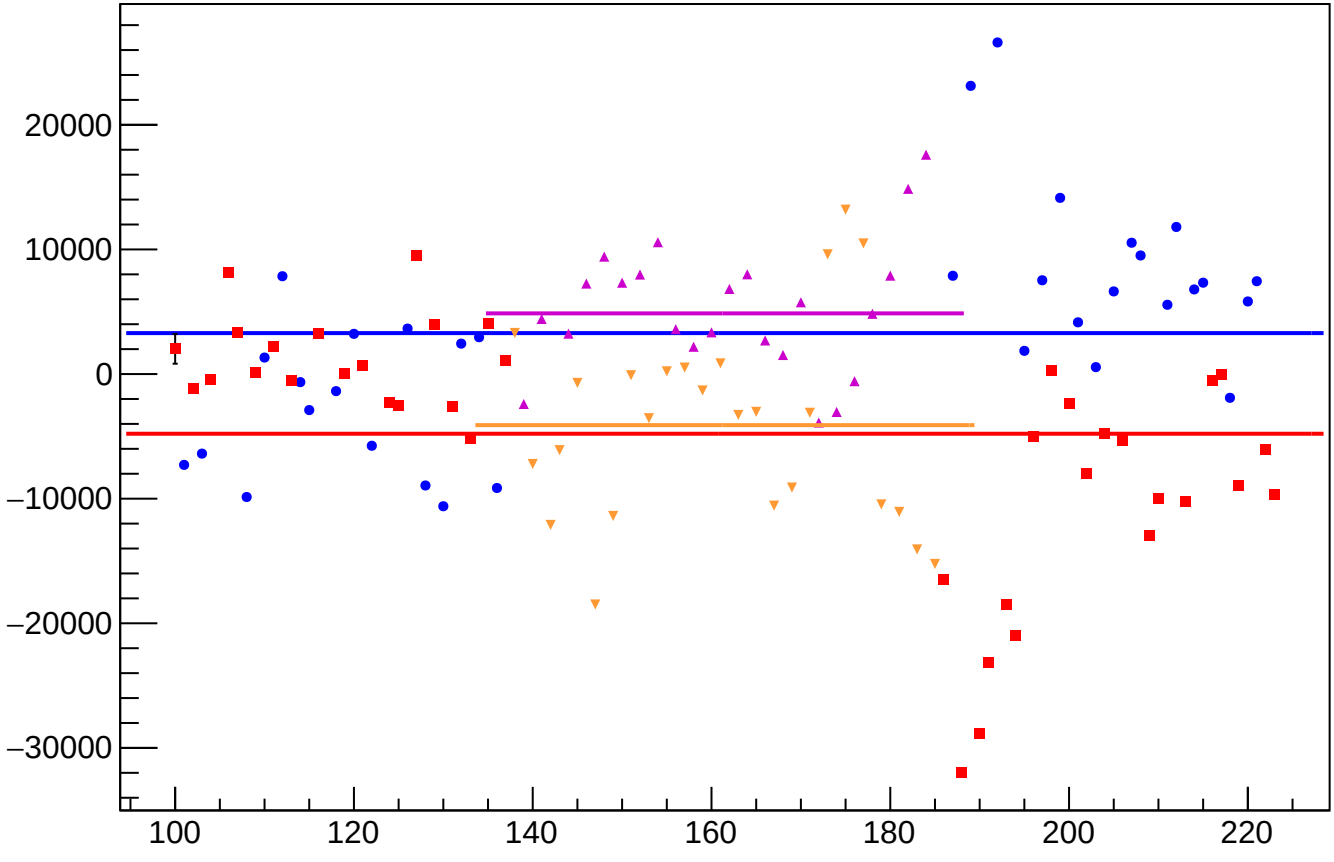
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 137.124+/-0.016 χ^2/NDF: 3778723.3/58

All: 136.893+/-0.011 χ^2/NDF: 7649204.5/120

- sign 136.663+/-0.016 χ^2/NDF: 3870042.8/61

asym_bpm2i01WS_mean vs Slug



Right In: 3286.336+/-29.103 χ^2/NDF: 91743.4/33

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4788.877+/-28.107 χ^2/NDF: 114767.8/38

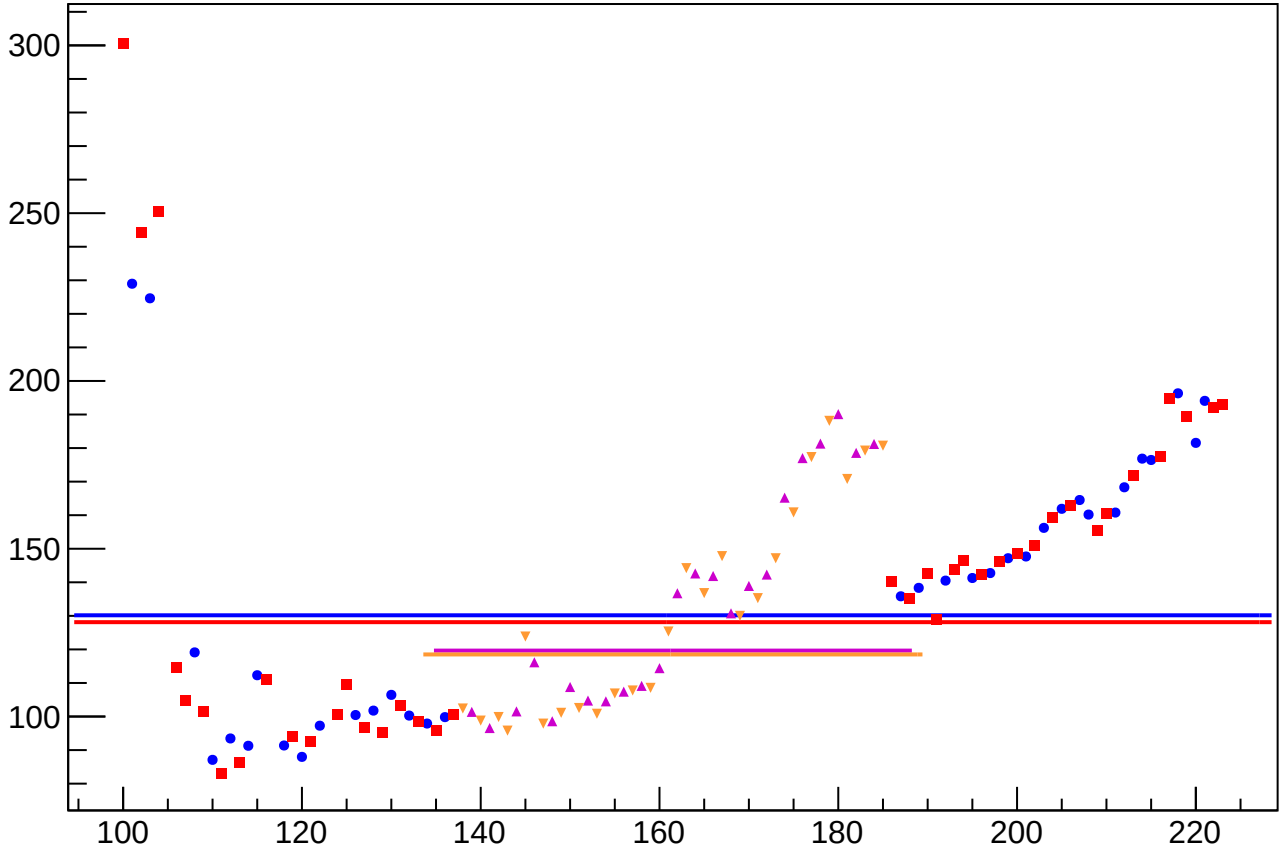
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -579.045+/-20.092 χ^2/NDF: 191719.6/58

All: -329.187+/-14.216 χ^2/NDF: 386298.4/12

\- sign -78.665+/-20.118 χ^2/NDF: 194269.1/61

asym_bpm2i01WS_rms vs Slug



Right In: 130.169+/-0.021 χ^2/NDF: 3022699.0/33

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 128.122+/-0.020 χ^2/NDF: 3258476.2/38

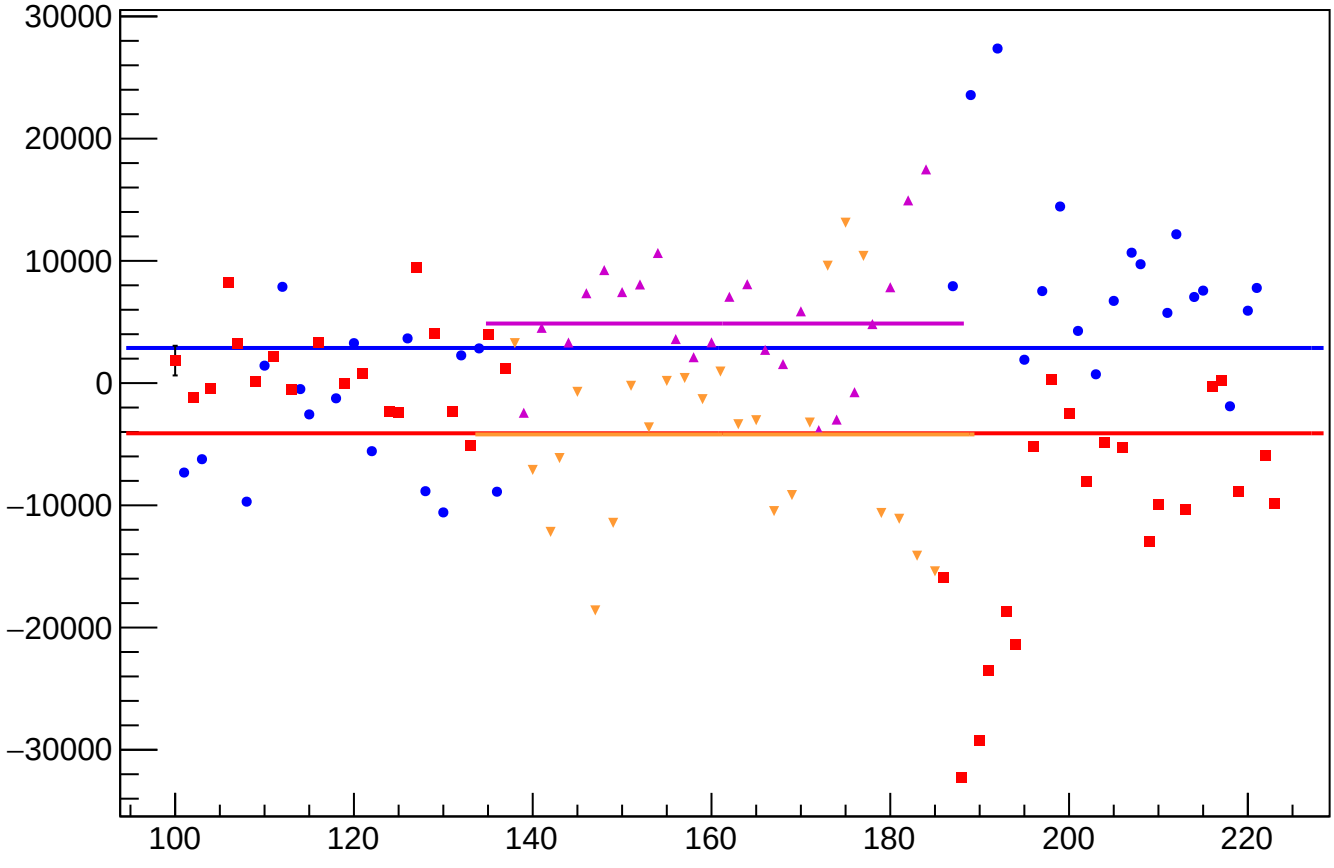
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

\+ sign 124.063+/-0.014 χ^2/NDF: 4818090.0/58

All: 124.025+/-0.010 χ^2/NDF: 9677676.8/120

\- sign 123.988+/-0.014 χ^2/NDF: 4859573.0/61

asym_bpm2i02WS_mean vs Slug



Right In: 2873.804+/-29.161 χ^2/NDF: 91000.1/33

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -4106.885+/-28.135 χ^2/NDF: 108422.1/38

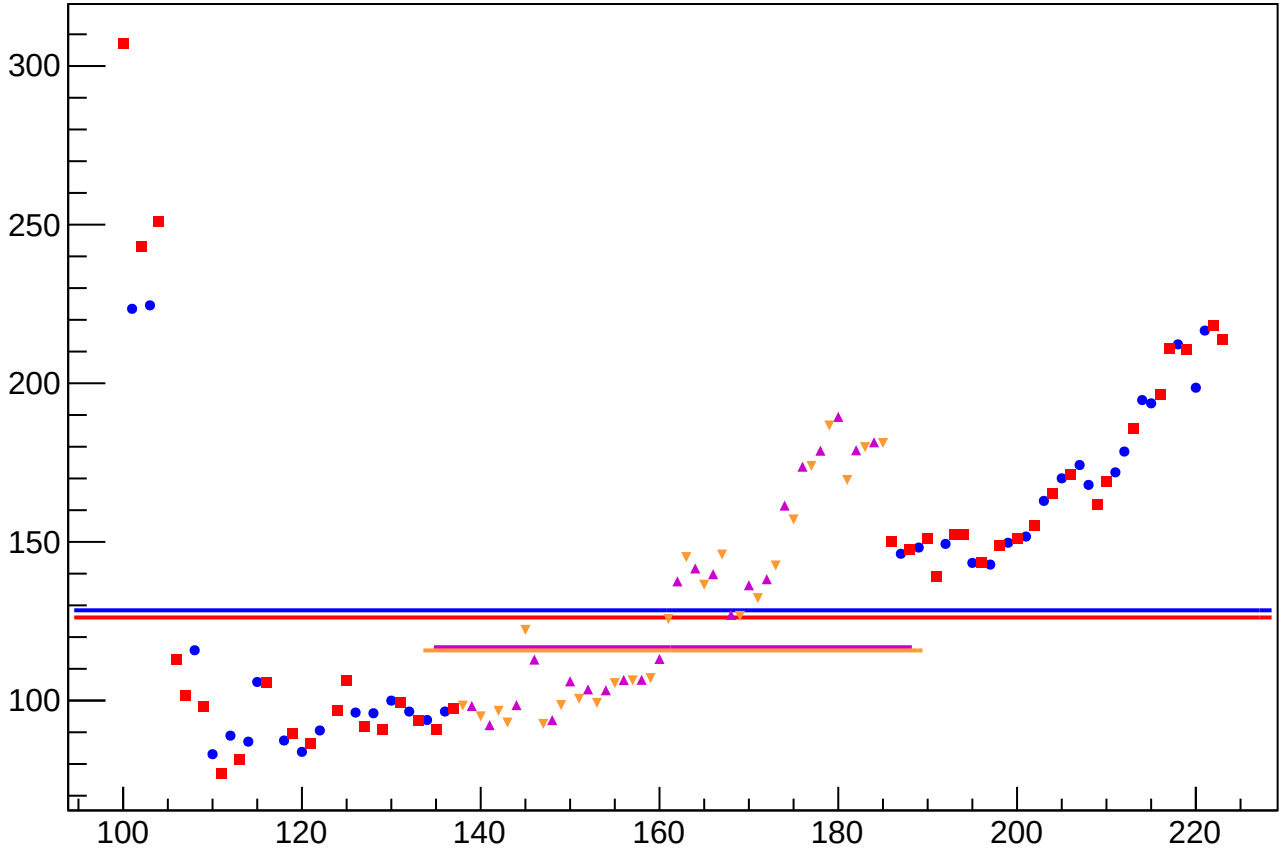
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -906.215+/-19.895 χ^2/NDF: 192847.3/58

All: -267.515+/-14.076 χ^2/NDF: 377076.1/12

- sign 372.634+/-19.917 χ^2/NDF: 182165.2/61

asym_bpm2i02WS_rms vs Slug



Right In: 128.441+/-0.021 χ^2/NDF: 4129949.4/33

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

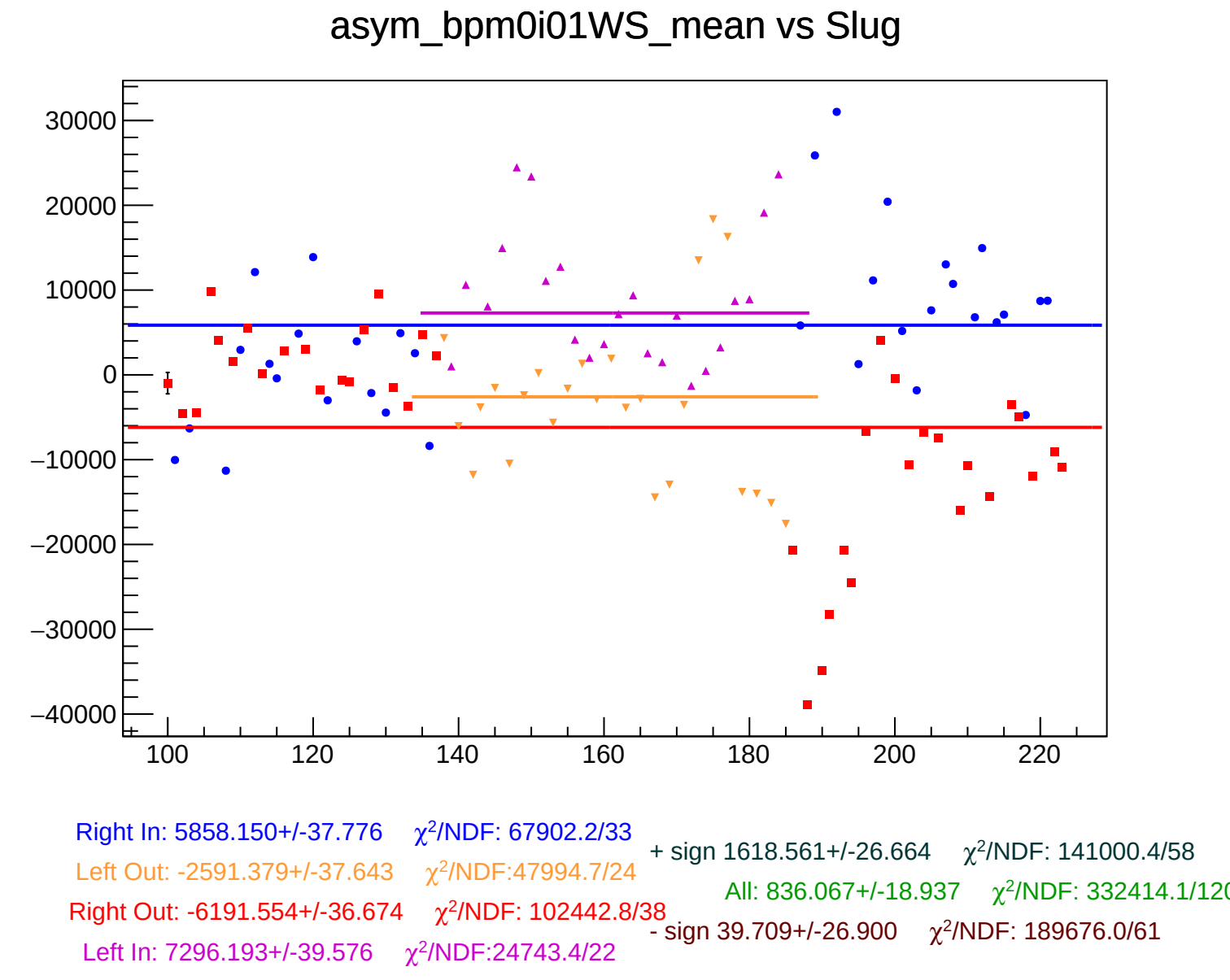
Right Out: 126.181+/-0.020 χ^2/NDF: 4490817.6/38

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

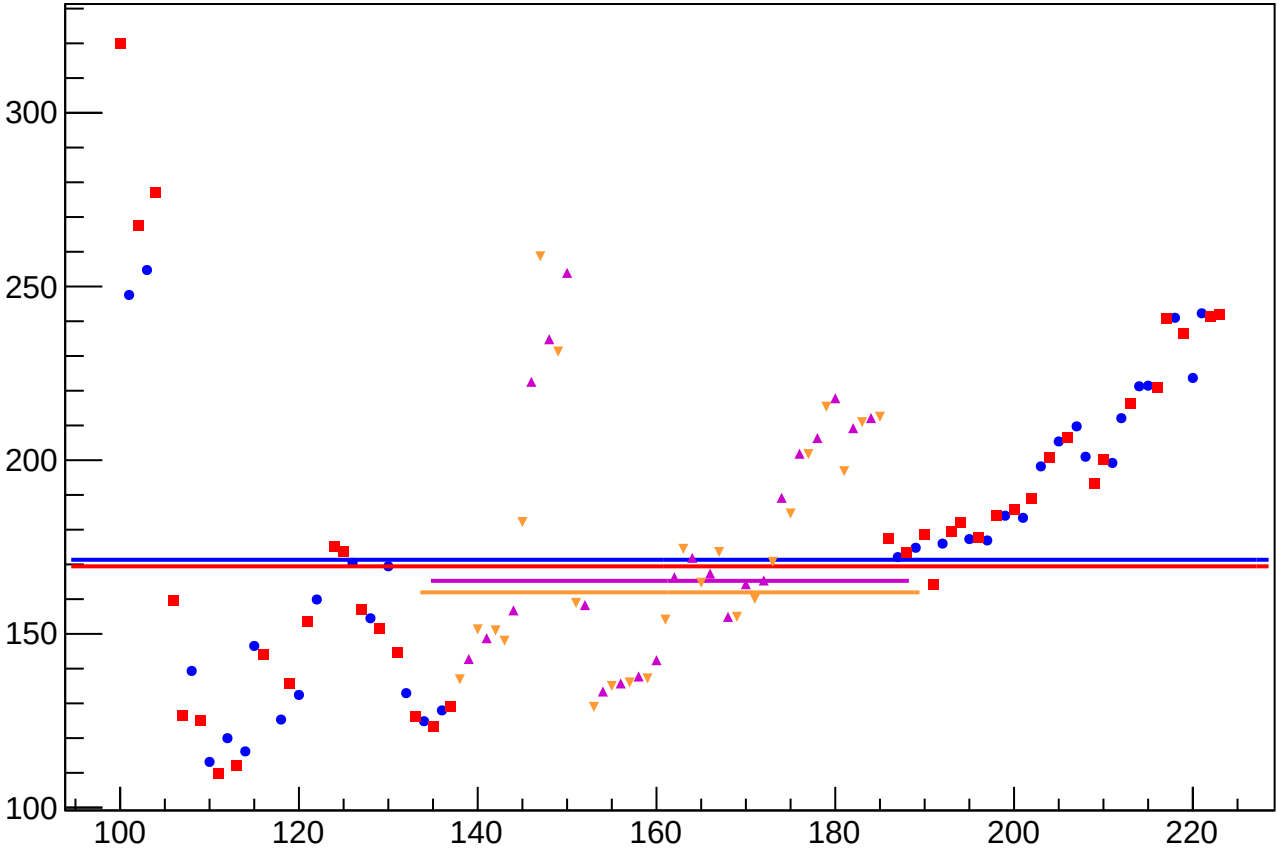
+ sign 121.683+/-0.014 χ^2/NDF: 6079945.5/58

All: 121.594+/-0.010 χ^2/NDF: 12299207.8/12

- sign 121.506+/-0.014 χ^2/NDF: 6219183.2/61


asym_bpm0i01WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 5858.150+/-37.776 χ²/NDF: 67902.2/33
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: -6191.554+/-36.674 χ²/NDF: 102442.8/38
Left In: 7296.193+/-39.576 χ²/NDF:24743.4/22
+ sign 1618.561+/-26.664 χ²/NDF: 141000.4/58
All: 836.067+/-18.937 χ²/NDF: 332414.1/120
- sign 39.709+/-26.900 χ²/NDF: 189676.0/61

asym_bpm0i01WS_rms vs Slug



Right In: 171.341+/-0.027 χ^2/NDF: 2188310.2/33

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 169.445+/-0.026 χ^2/NDF: 2376632.7/38

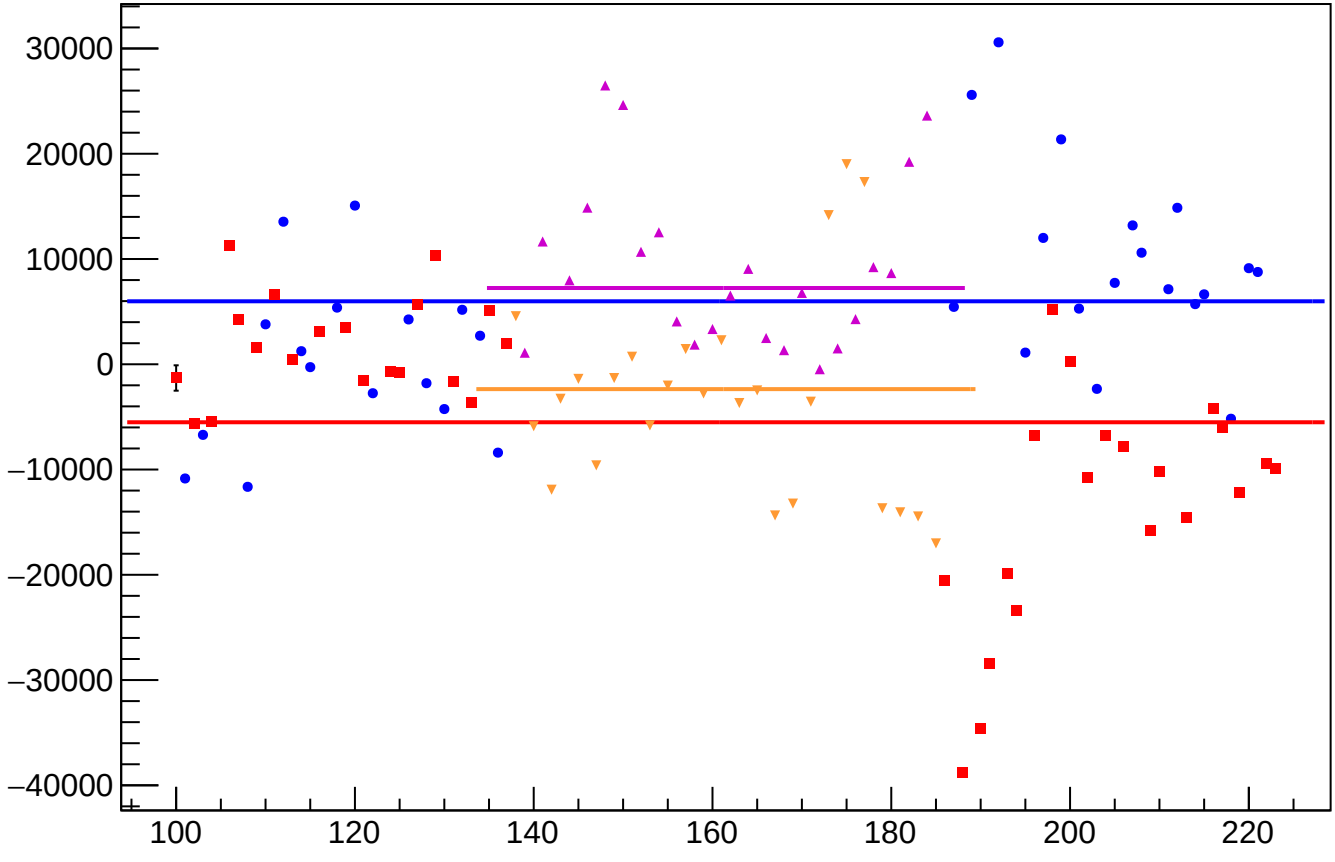
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 166.633+/-0.019 χ^2/NDF: 3395045.9/58

All: 167.071+/-0.013 χ^2/NDF: 6963821.8/120

- sign 167.517+/-0.019 χ^2/NDF: 3567684.4/61

asym_bpm0i01aWS_mean vs Slug



Right In: 5983.084+/-32.320 χ^2/NDF: 94383.6/33

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -5509.504+/-31.193 χ^2/NDF: 142981.9/38

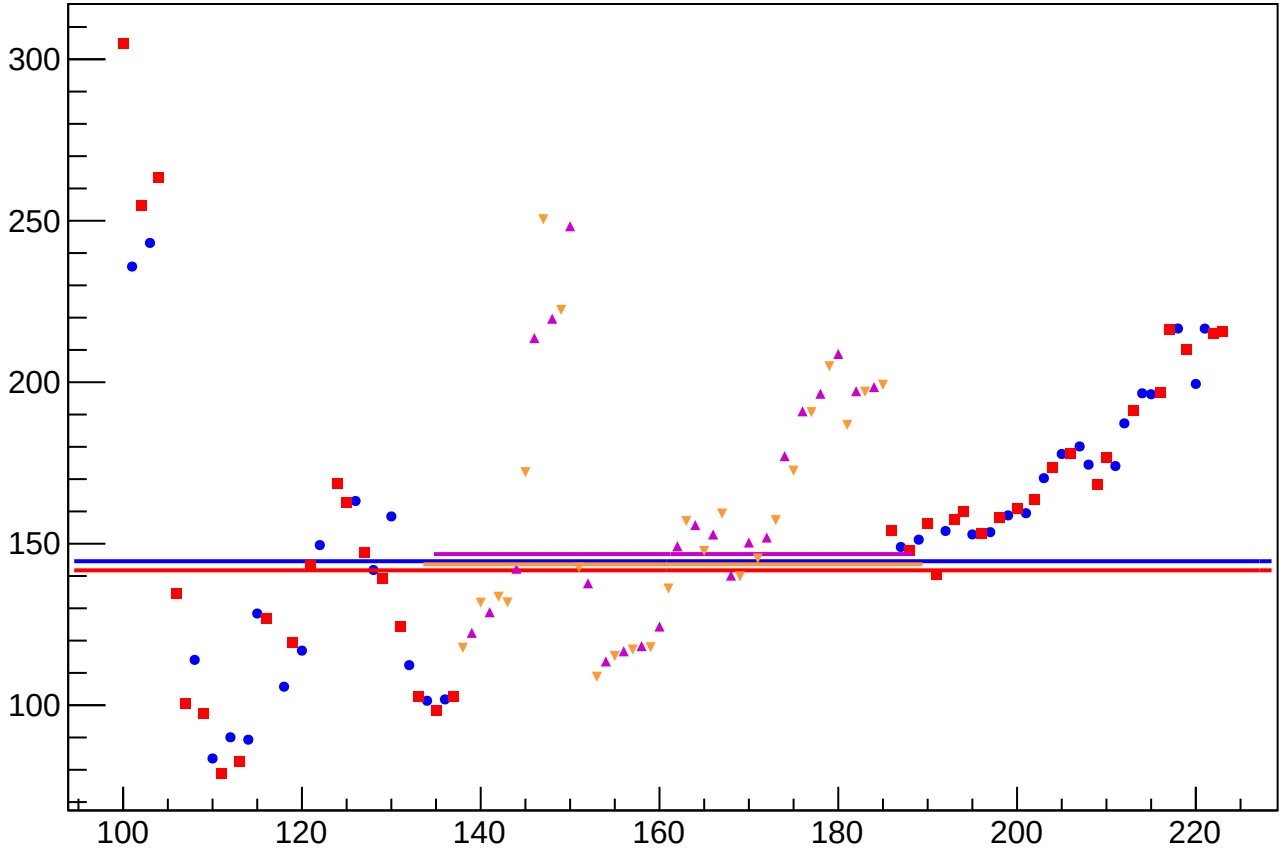
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1983.031+/-23.320 χ^2/NDF: 184901.1/58

All: 1019.363+/-16.530 χ^2/NDF: 434586.3/12

- sign 46.181+/-23.435 χ^2/NDF: 246253.0/61

asym_bpm0i01aWS_rms vs Slug



Right In: 144.580+/-0.023 χ^2/NDF: 3135032.0/33

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 141.761+/-0.022 χ^2/NDF: 3549444.3/38

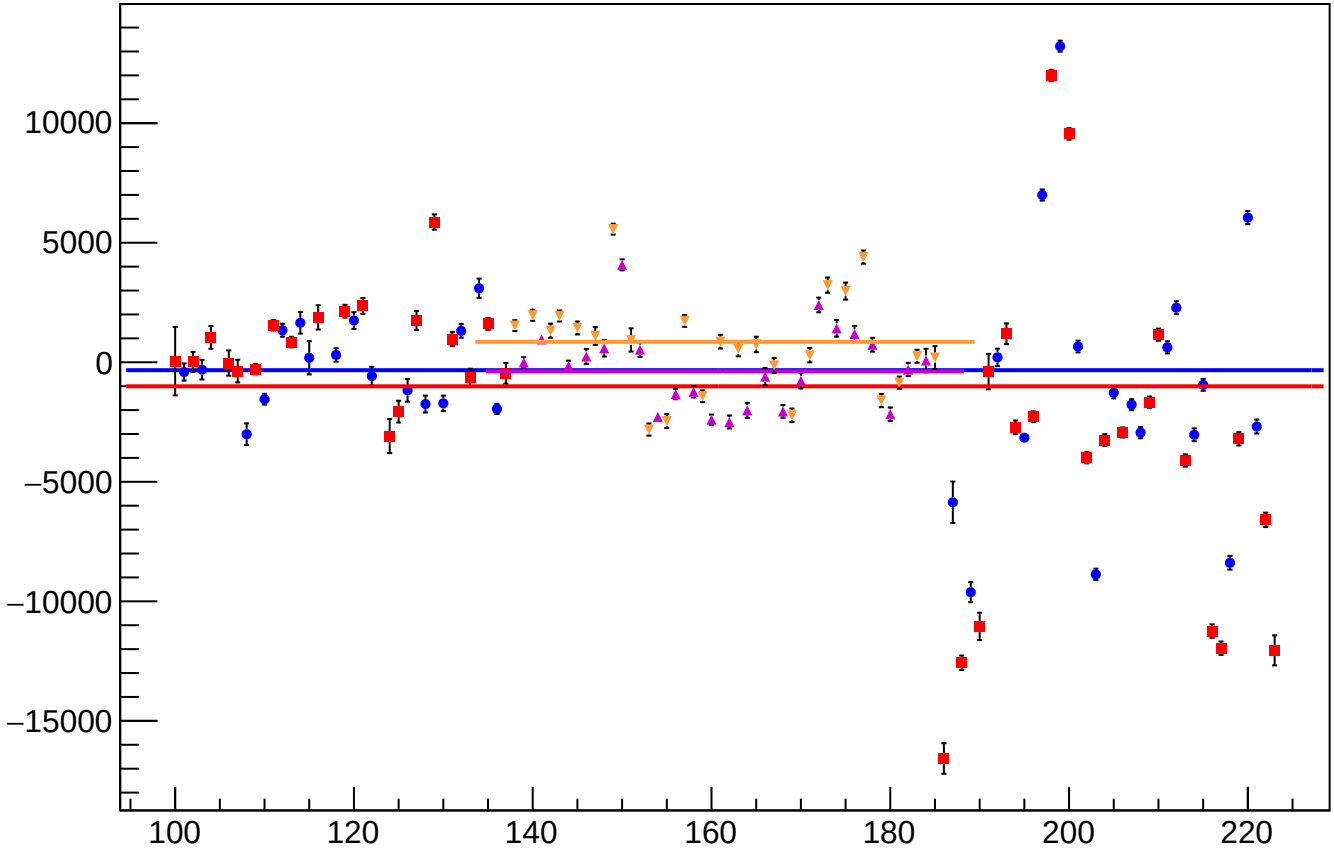
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 144.121+/-0.016 χ^2/NDF: 4798699.2/58

All: 144.037+/-0.012 χ^2/NDF: 10065396.7/12

- sign 143.953+/-0.017 χ^2/NDF: 5266645.8/61

asym_bpm0l01WS_mean vs Slug



Right In: -331.256+/-49.538 χ^2/NDF: 8627.7/33

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -1005.332+/-48.849 χ^2/NDF: 12744.0/38

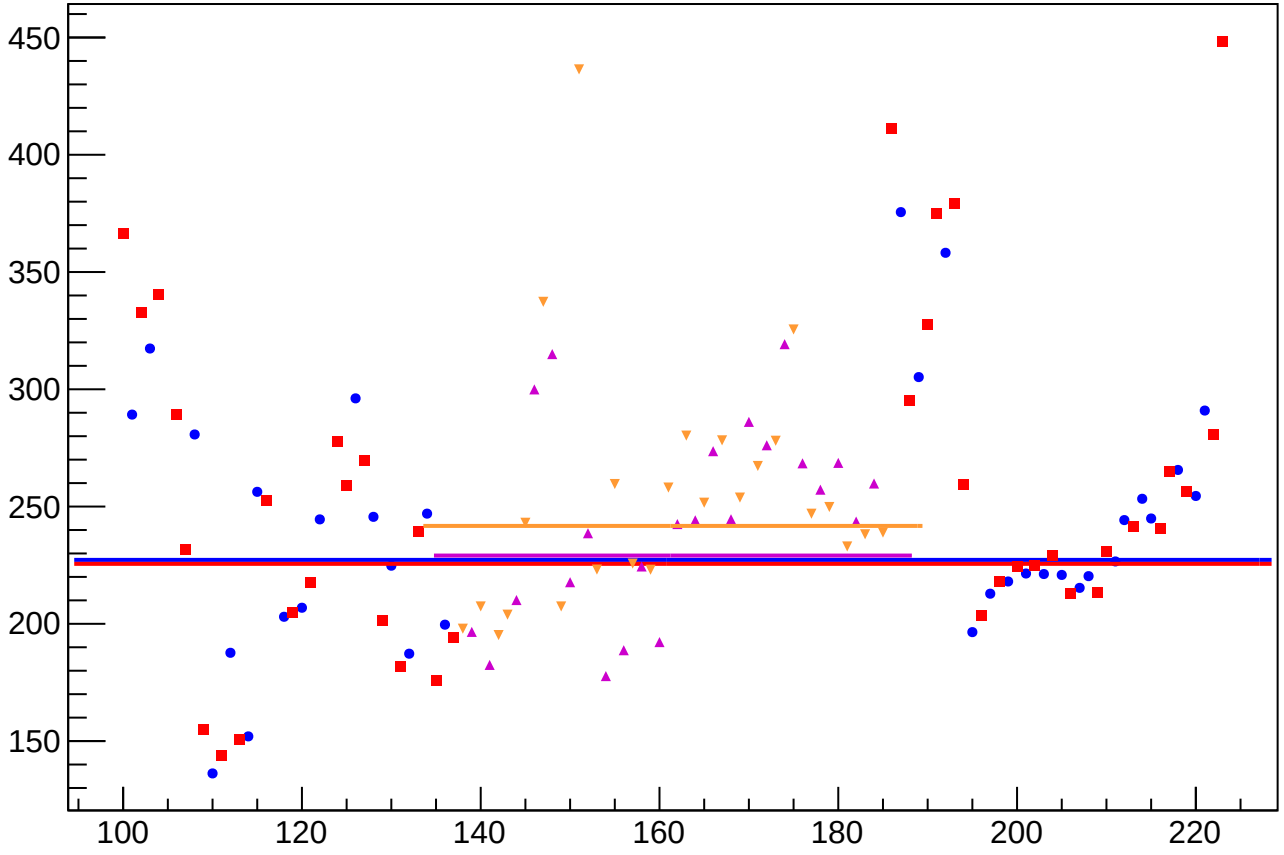
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 186.570+/-37.172 χ^2/NDF: 10321.6/58

All: -279.655+/-26.067 χ^2/NDF: 24429.4/120

- sign -730.714+/-36.563 χ^2/NDF: 13798.3/61

asym_bpm0l01WS_rms vs Slug



Right In: 227.260+/-0.035 χ^2/NDF: 1396652.8/33

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 225.570+/-0.035 χ^2/NDF: 2346862.2/38

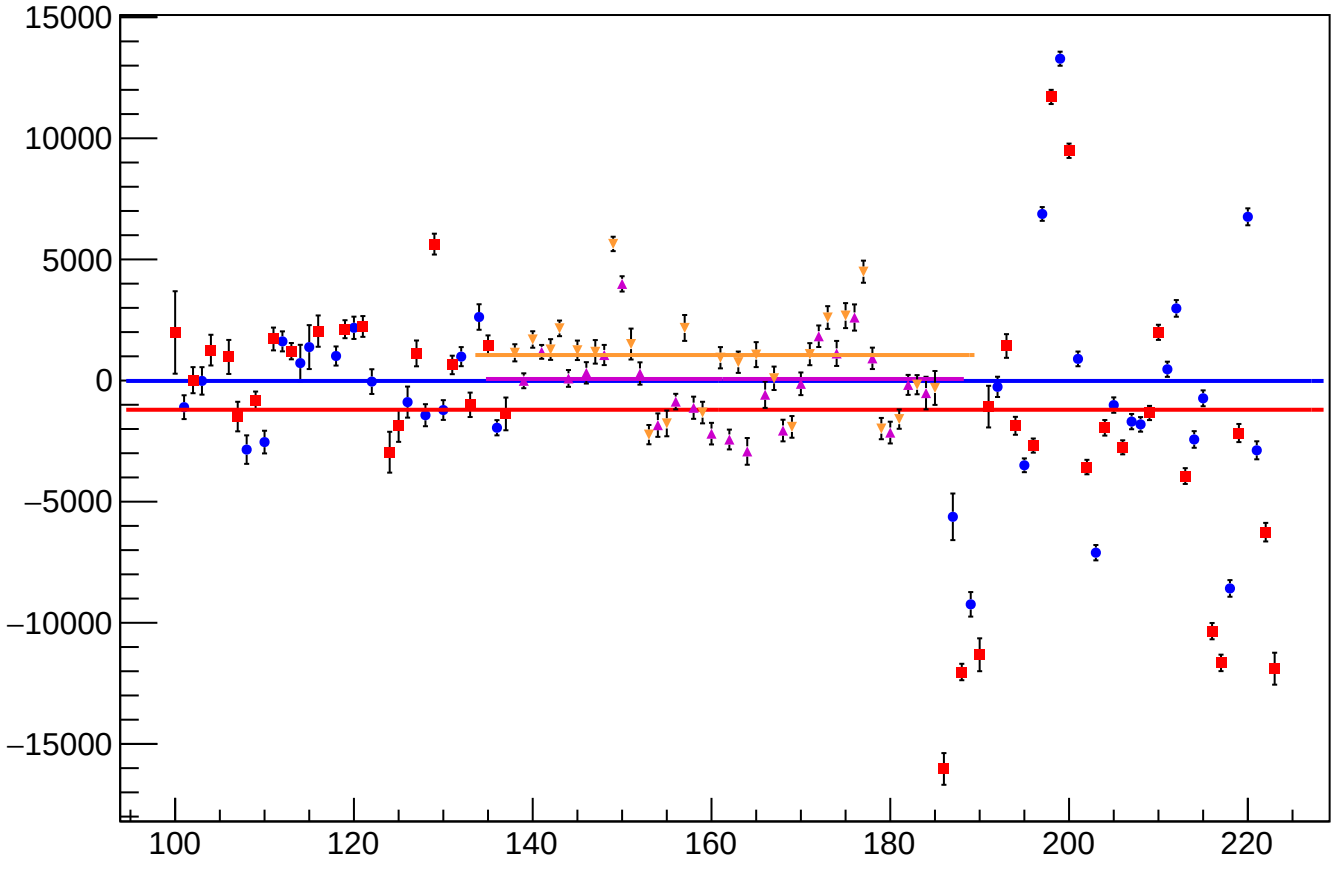
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 233.589+/-0.026 χ^2/NDF: 2457765.0/58

All: 230.303+/-0.018 χ^2/NDF: 5908941.6/120

- sign 227.124+/-0.026 χ^2/NDF: 3420424.4/61

asym_bpm0l02WS_mean vs Slug



Right In: -16.387+/-65.758 χ^2/NDF: 5166.9/33

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -1205.745+/-64.998 χ^2/NDF: 8087.0/38

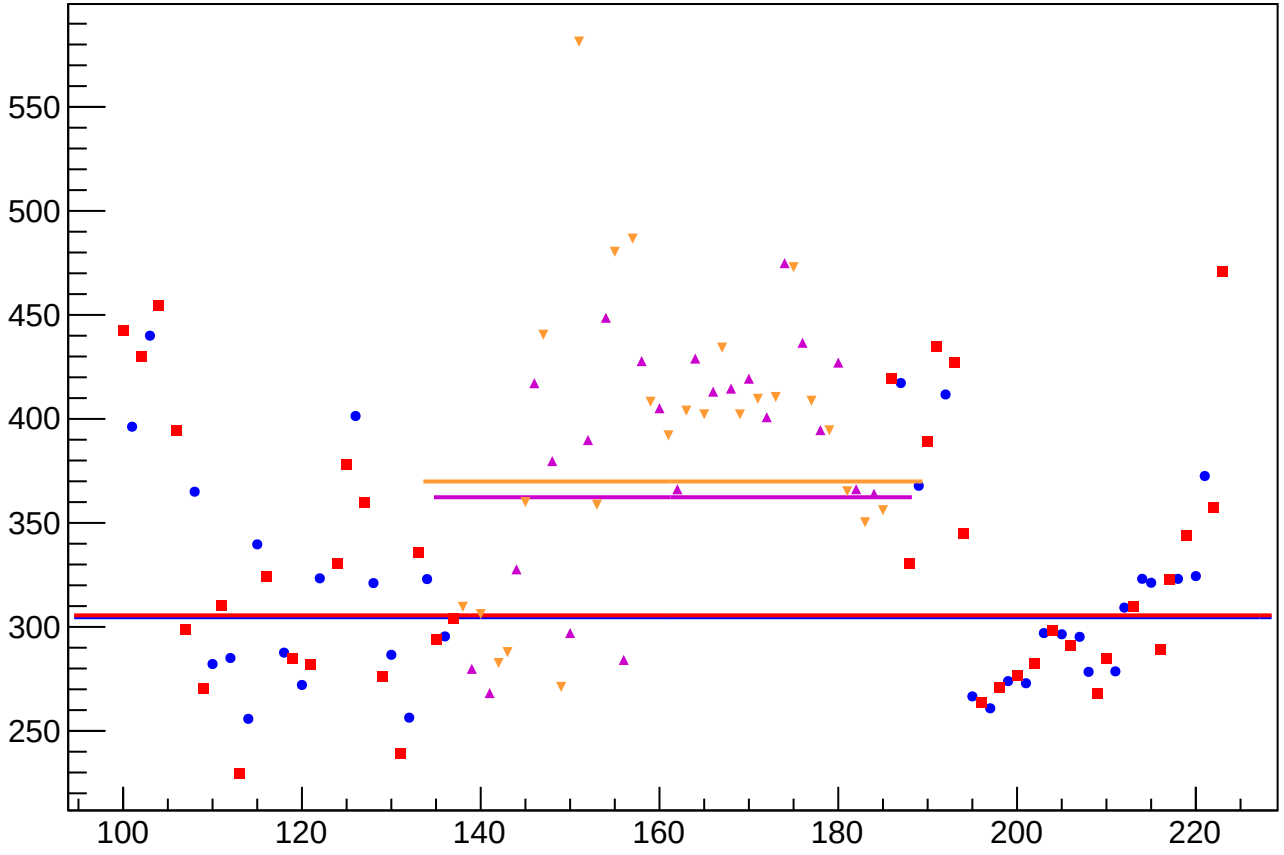
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 378.901+/-52.214 χ^2/NDF: 5879.4/58

All: -187.077+/-36.844 χ^2/NDF: 14732.3/120

- sign -748.373+/-51.998 χ^2/NDF: 8618.9/61

asym_bpm0l02WS_rms vs Slug



Right In: 304.665+/-0.046 χ^2/NDF: 767633.9/33

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 305.555+/-0.046 χ^2/NDF: 1157119.5/38

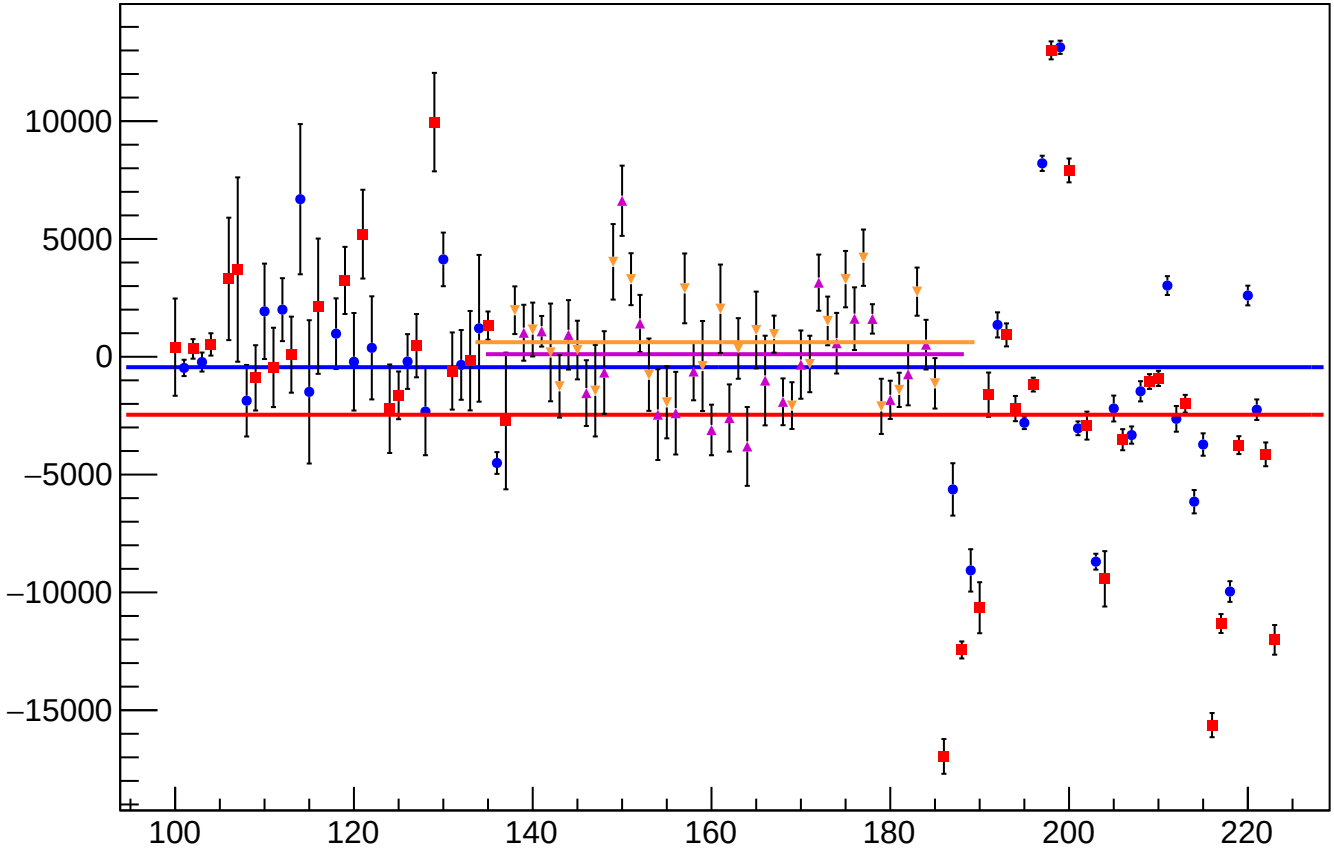
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 328.779+/-0.037 χ^2/NDF: 2725777.4/58

All: 327.384+/-0.026 χ^2/NDF: 5488728.3/120

- sign 325.999+/-0.037 χ^2/NDF: 2760105.1/61

asym_bpm0l03WS_mean vs Slug



Right In: -442.640+/-85.495 χ^2/NDF: 4929.6/33

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -2460.303+/-91.763 χ^2/NDF: 5036.8/38

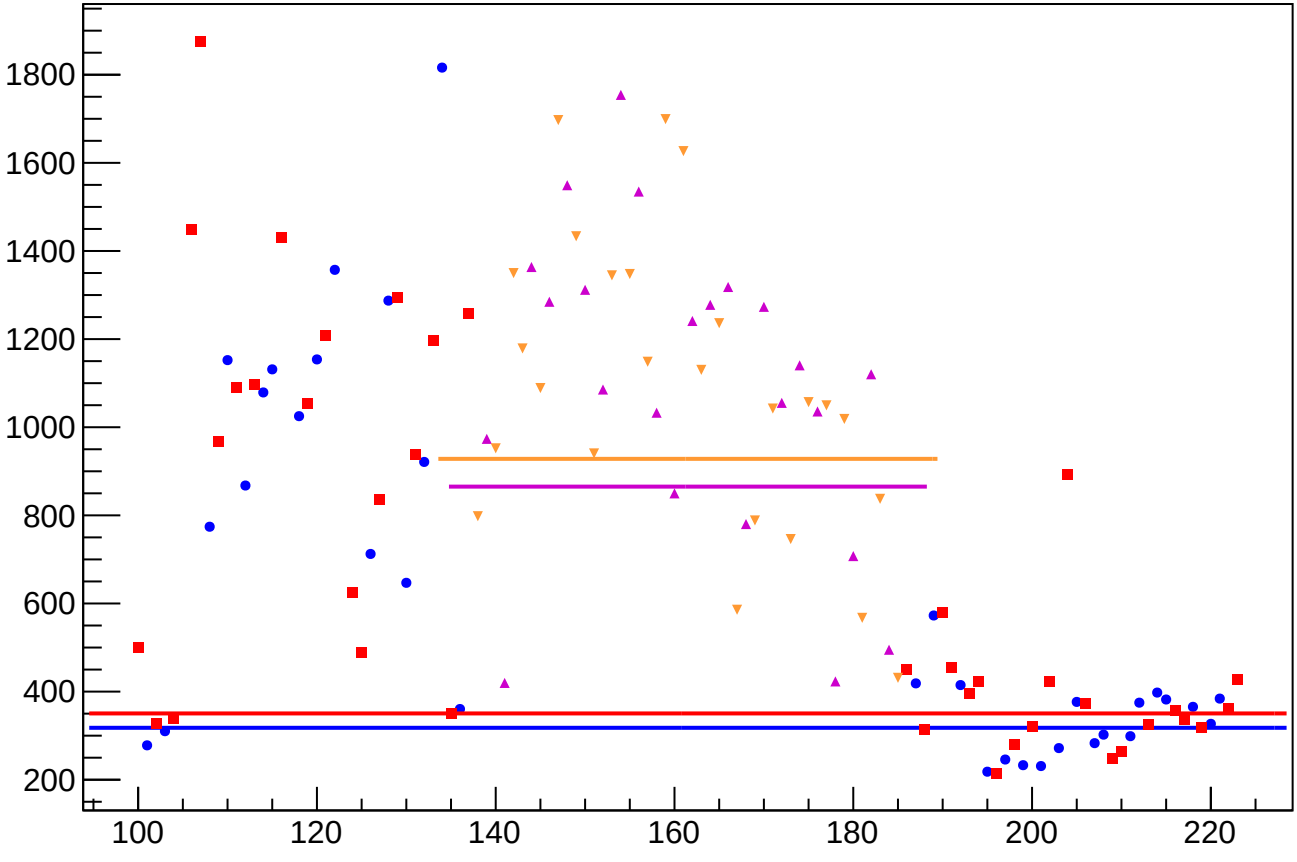
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -321.491+/-80.467 χ^2/NDF: 5012.9/58

All: -1168.517+/-58.633 χ^2/NDF: 10459.3/12

- sign -2127.306+/-85.611 χ^2/NDF: 5210.1/61

asym_bpm0l03WS_rms vs Slug



Right In: 317.858+/-0.060 χ^2/NDF: 5372508.8/33

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 350.467+/-0.065 χ^2/NDF: 6209883.4/38

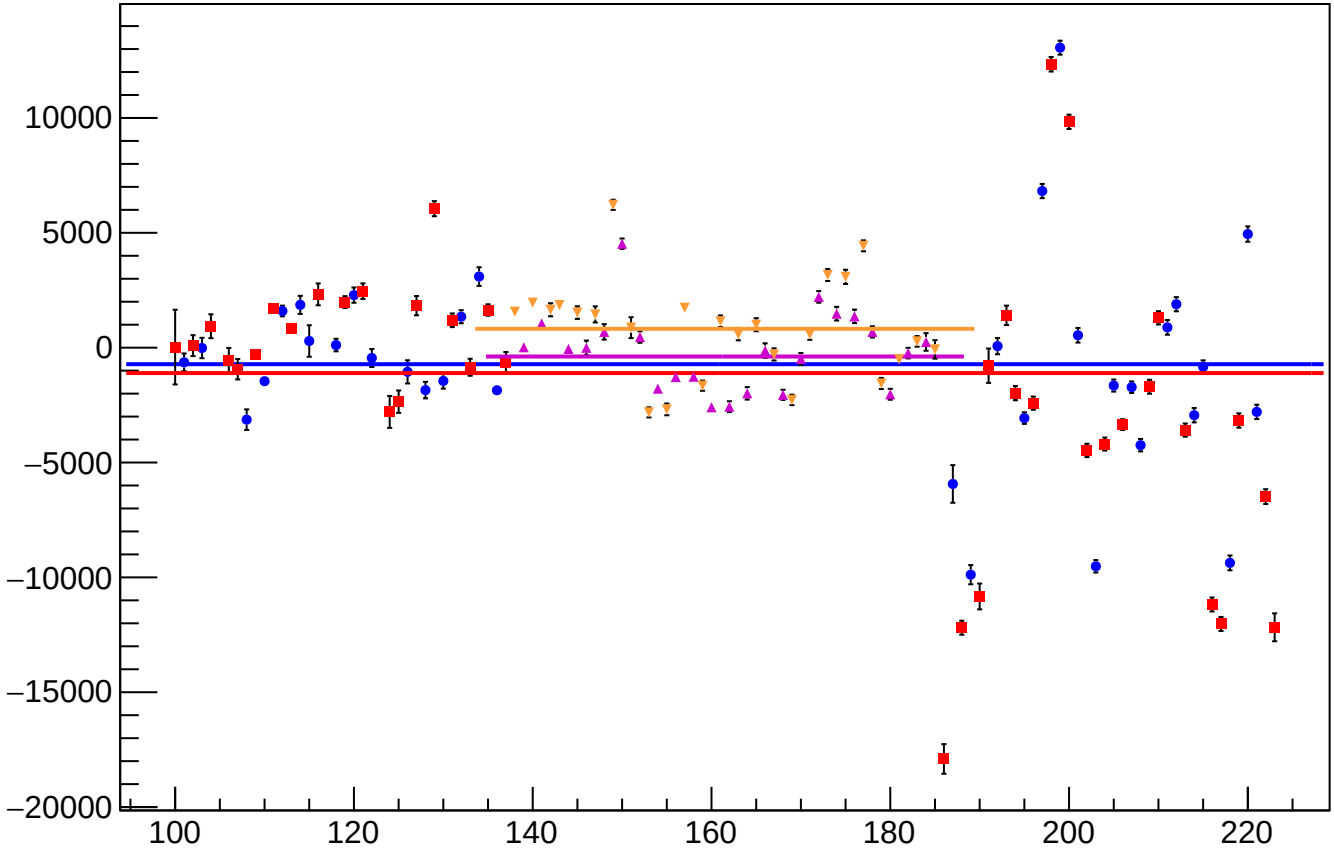
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 387.542+/-0.057 χ^2/NDF: 20305391.6/58

All: 401.439+/-0.041 χ^2/NDF: 39590387.4/12

- sign 417.169+/-0.061 χ^2/NDF: 19157823.7/61

asym_bpm0l04WS_mean vs Slug



Right In: -719.613+/-53.599 χ^2/NDF: 6174.1/33

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -1105.371+/-51.610 χ^2/NDF: 10287.5/38

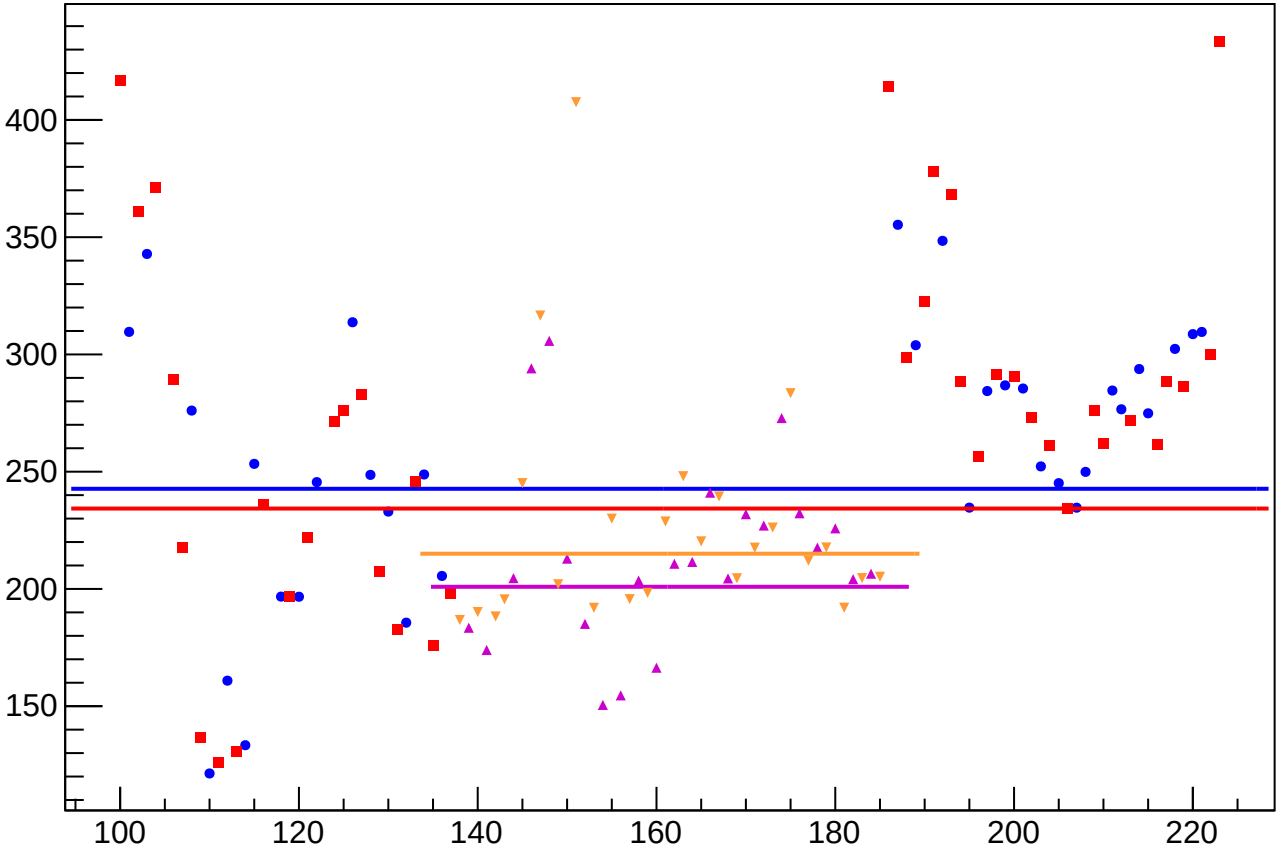
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 104.114+/-36.560 χ^2/NDF: 8606.5/58

All: -323.382+/-25.404 χ^2/NDF: 20515.3/120

- sign -722.494+/-35.325 χ^2/NDF: 11644.3/61

asym_bpm0l04WS_rms vs Slug



Right In: 242.710+/-0.038 χ^2/NDF: 2324091.6/33

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 234.279+/-0.036 χ^2/NDF: 3700606.3/38

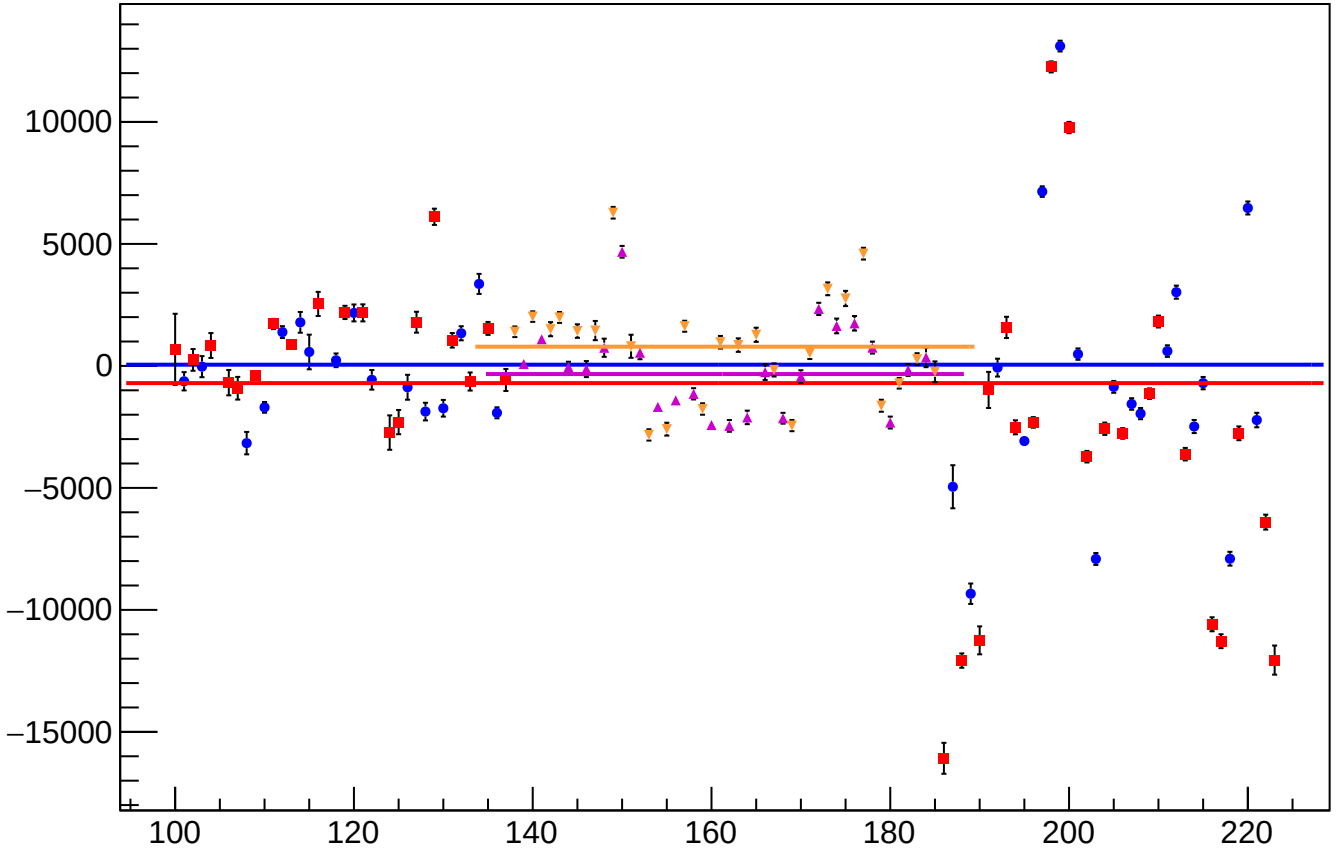
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 227.907+/-0.026 χ^2/NDF: 3507184.3/58

All: 222.032+/-0.018 χ^2/NDF: 8857698.8/120

- sign 216.547+/-0.025 χ^2/NDF: 5250655.6/61

asym_bpm0l05WS_mean vs Slug



Right In: 50.302+/-49.143 χ^2/NDF: 8588.4/33

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -704.695+/-48.353 χ^2/NDF: 12746.6/38

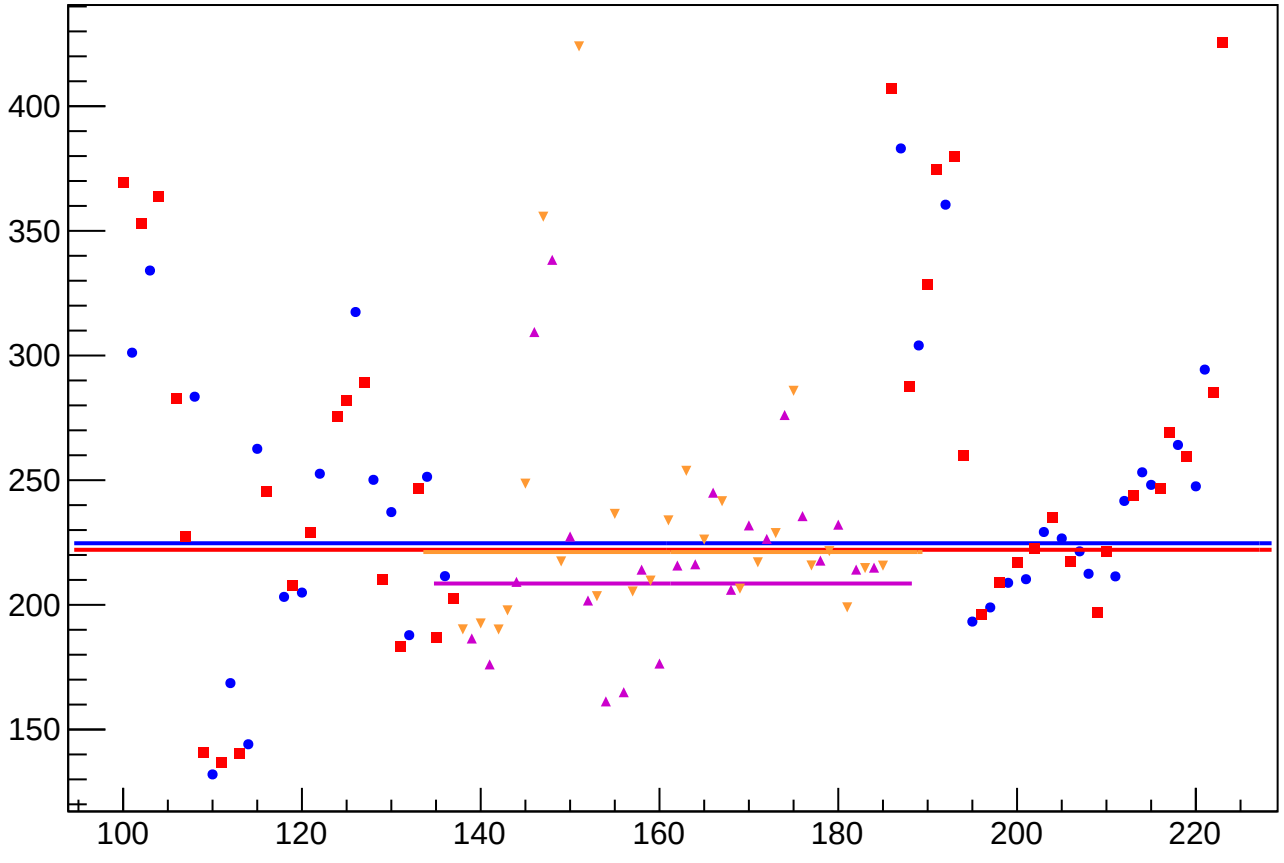
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 402.474+/-35.528 χ^2/NDF: 10586.2/58

All: -71.034+/-24.869 χ^2/NDF: 24924.7/120

- sign -525.938+/-34.823 χ^2/NDF: 13990.2/61

asym_bpm0l05WS_rms vs Slug



Right In: 224.707+/-0.035 χ^2/NDF: 1664827.0/33

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 222.082+/-0.034 χ^2/NDF: 2763511.3/38

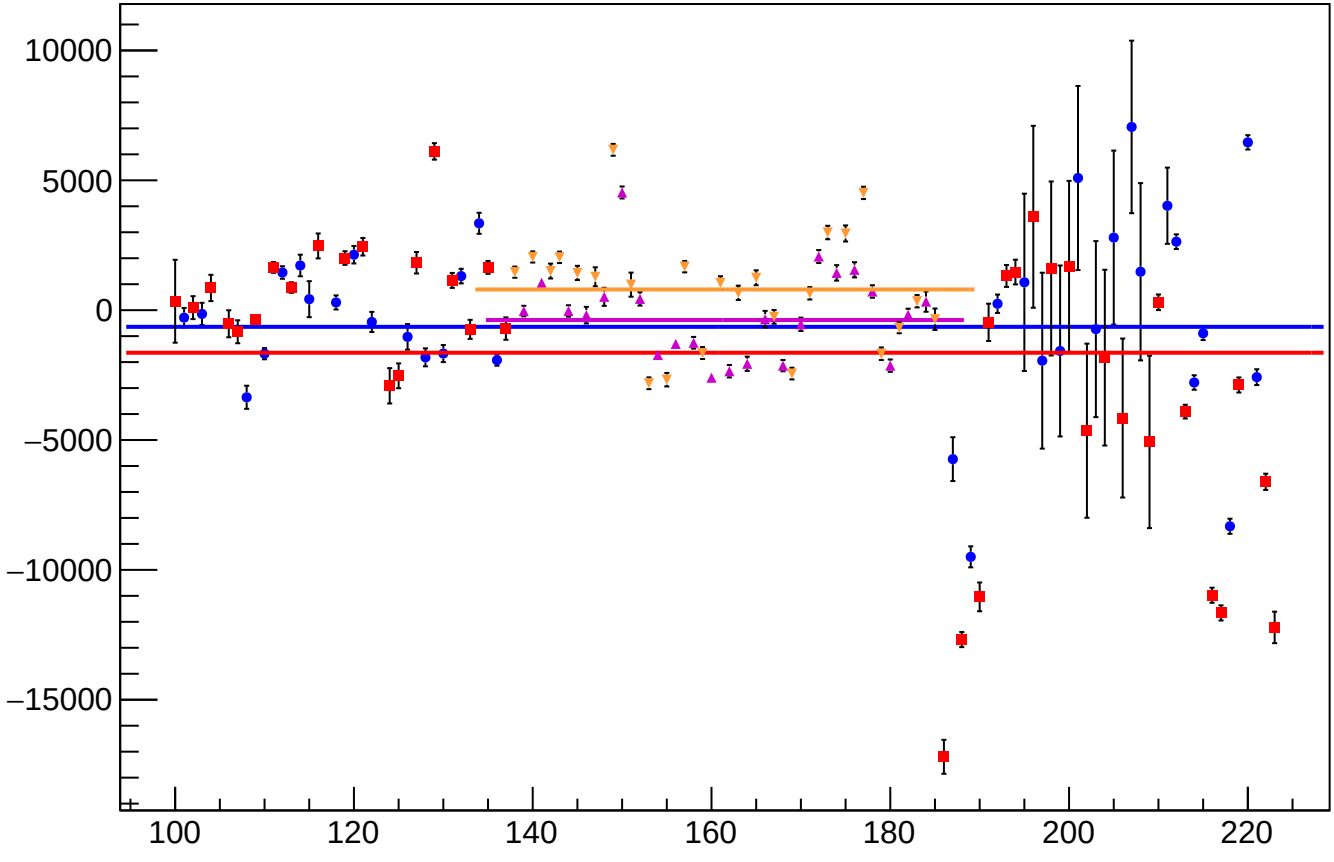
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 223.026+/-0.025 χ^2/NDF: 2609250.7/58

All: 219.224+/-0.018 χ^2/NDF: 6528629.3/120

- sign 215.572+/-0.025 χ^2/NDF: 3874470.7/61

asym_bpm0l06WS_mean vs Slug



Right In: -641.824+/-63.534 χ^2/NDF: 2582.9/33

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -1638.303+/-58.770 χ^2/NDF: 7156.0/38

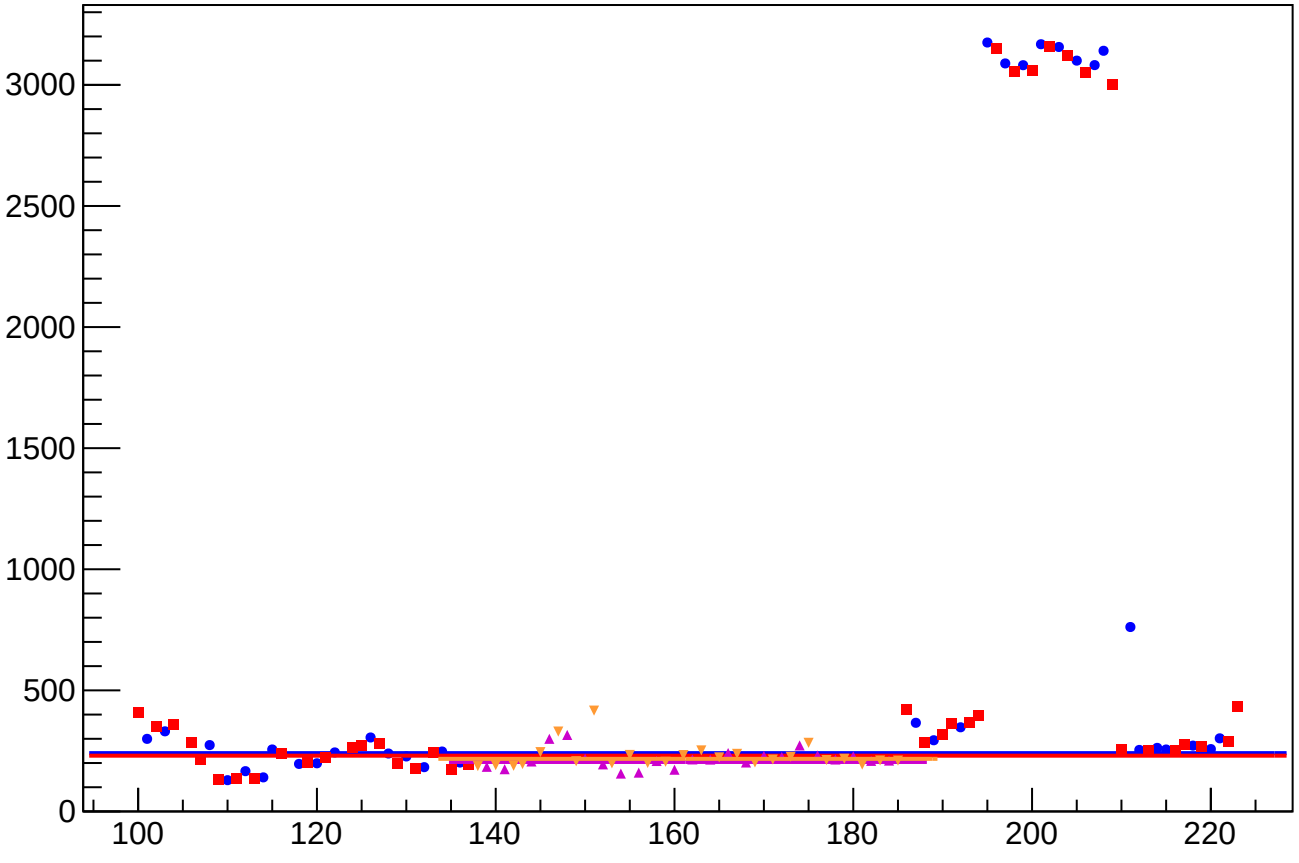
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 240.287+/-39.531 χ^2/NDF: 4858.2/58

All: -355.572+/-27.289 χ^2/NDF: 13919.3/120

- sign -898.034+/-37.718 χ^2/NDF: 8627.0/61

asym_bpm0l06WS_rms vs Slug



Right In: 240.830+/-0.045 χ^2/NDF: 13504452.0/33

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 230.289+/-0.042 χ^2/NDF: 13587556.1/38

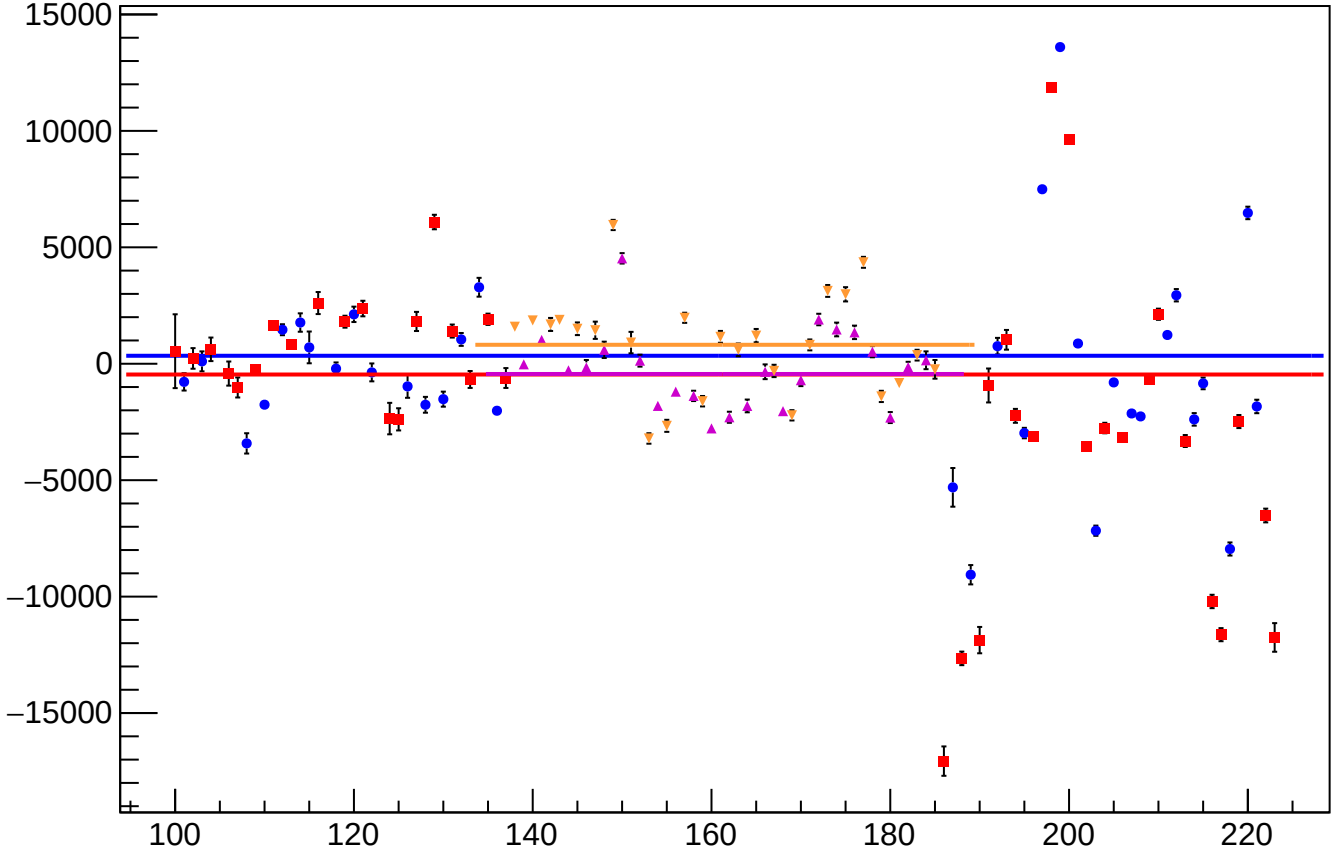
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 226.363+/-0.028 χ^2/NDF: 14584095.4/58

All: 220.420+/-0.019 χ^2/NDF: 29502919.6/12

- sign 215.009+/-0.027 χ^2/NDF: 14832468.2/61

asym_bpm0l07WS_mean vs Slug



Right In: 342.803+/-46.175 χ^2/NDF: 10808.6/33

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -462.229+/-45.411 χ^2/NDF: 14816.6/38

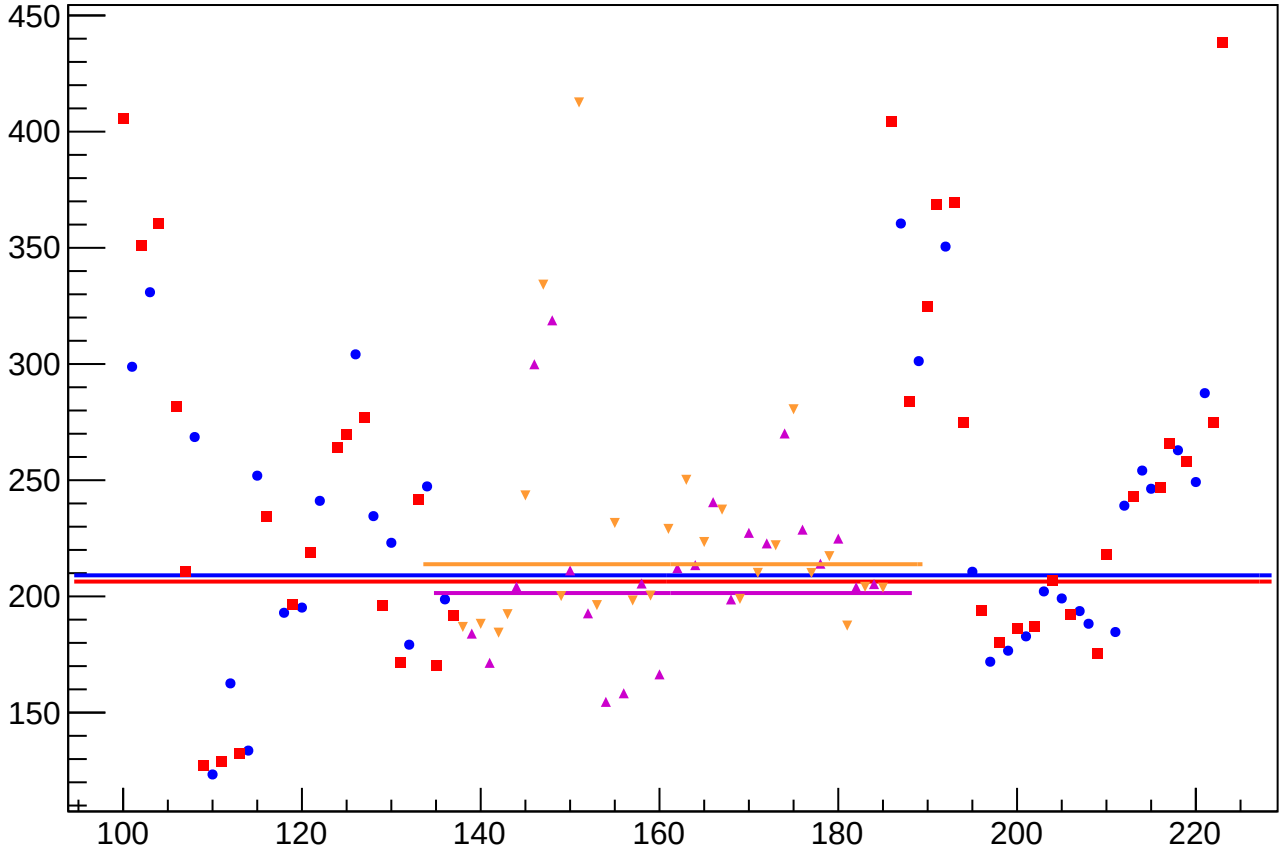
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 560.947+/-33.847 χ^2/NDF: 12857.3/58

All: 44.238+/-23.687 χ^2/NDF: 29365.7/120

- sign -451.701+/-33.160 χ^2/NDF: 16051.7/61

asym_bpm0l07WS_rms vs Slug



Right In: 209.067+/-0.033 χ^2/NDF: 2085365.0/33

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 206.384+/-0.032 χ^2/NDF: 3380011.5/38

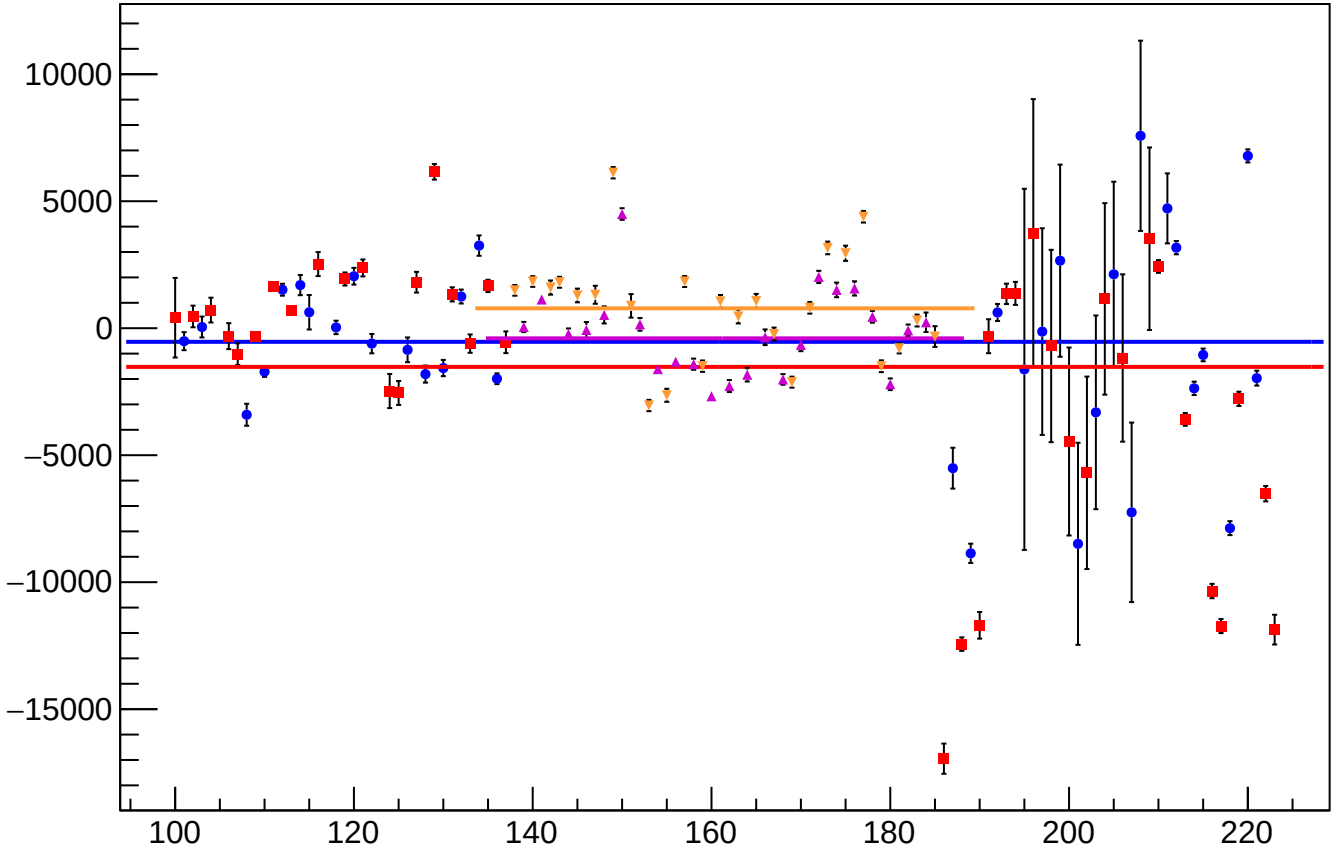
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 211.279+/-0.024 χ^2/NDF: 3058866.7/58

All: 207.605+/-0.017 χ^2/NDF: 7558076.8/120

- sign 204.079+/-0.023 χ^2/NDF: 4453024.2/61

asym_bpm0l08WS_mean vs Slug



Right In: -536.089+/-61.057 χ^2/NDF: 2814.2/33

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -1522.491+/-56.126 χ^2/NDF: 7935.5/38

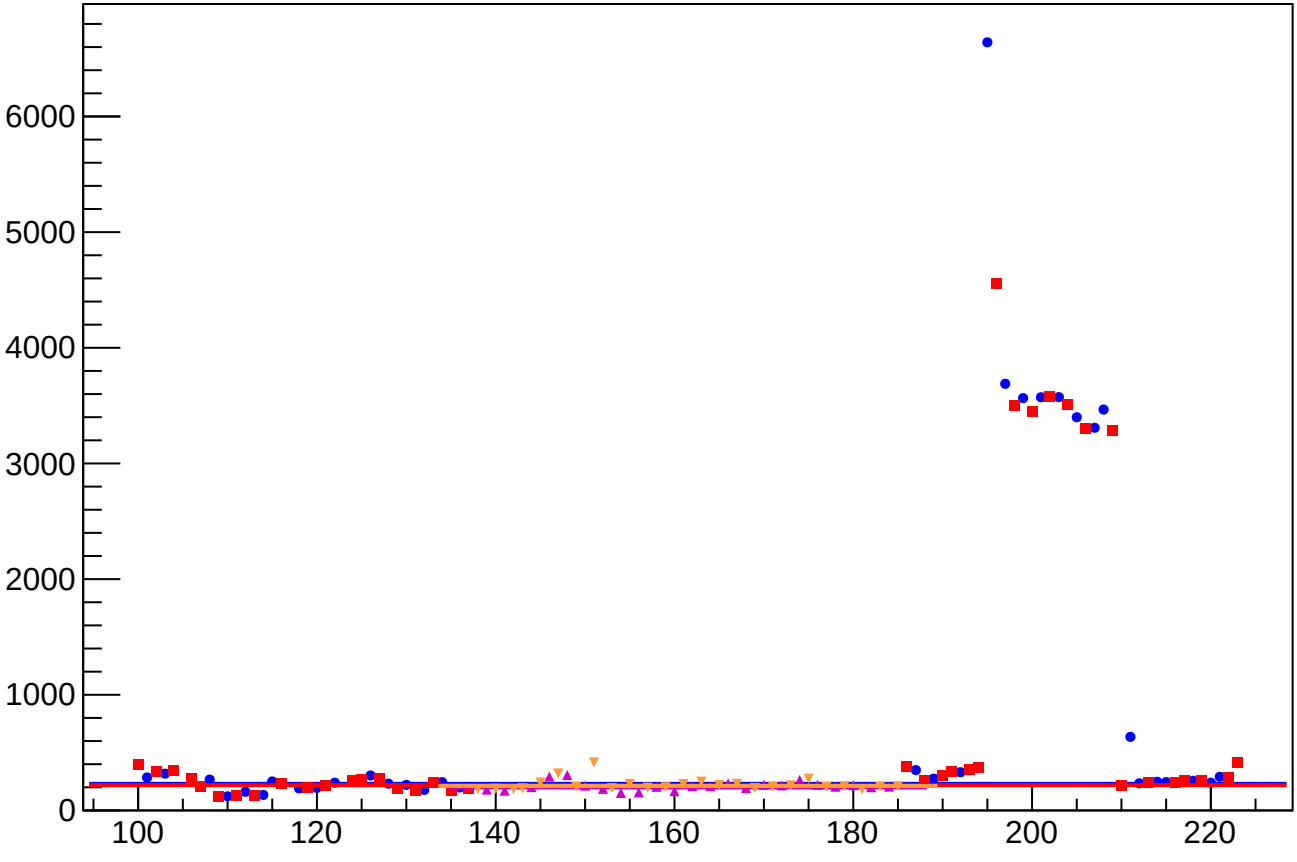
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 263.327+/-38.310 χ^2/NDF: 5098.2/58

All: -333.344+/-26.388 χ^2/NDF: 14959.0/120

- sign -871.990+/-36.399 χ^2/NDF: 9399.3/61

asym_bpm0l08WS_rms vs Slug



Right In: 229.919+/-0.043 χ^2/NDF: 13880789.7/33

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 218.904+/-0.040 χ^2/NDF: 13877689.1/38

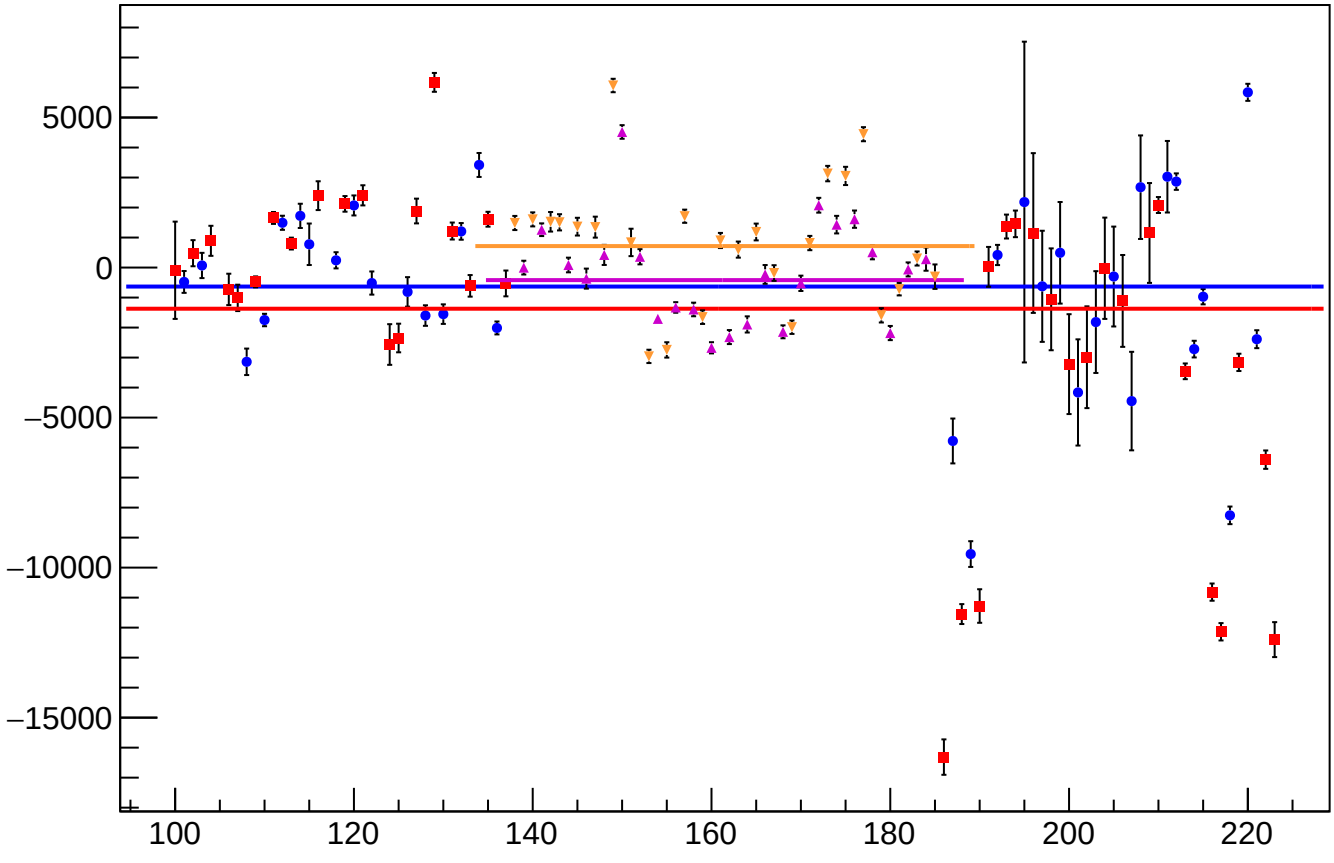
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 218.749+/-0.027 χ^2/NDF: 14926179.8/58

All: 212.625+/-0.019 χ^2/NDF: 30060363.5/12

- sign 207.096+/-0.026 χ^2/NDF: 15036930.4/61

asym_bpm0l09WS_mean vs Slug



Right In: -633.116+/-62.444 χ^2/NDF: 2428.1/33

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -1371.961+/-57.592 χ^2/NDF: 7032.7/38

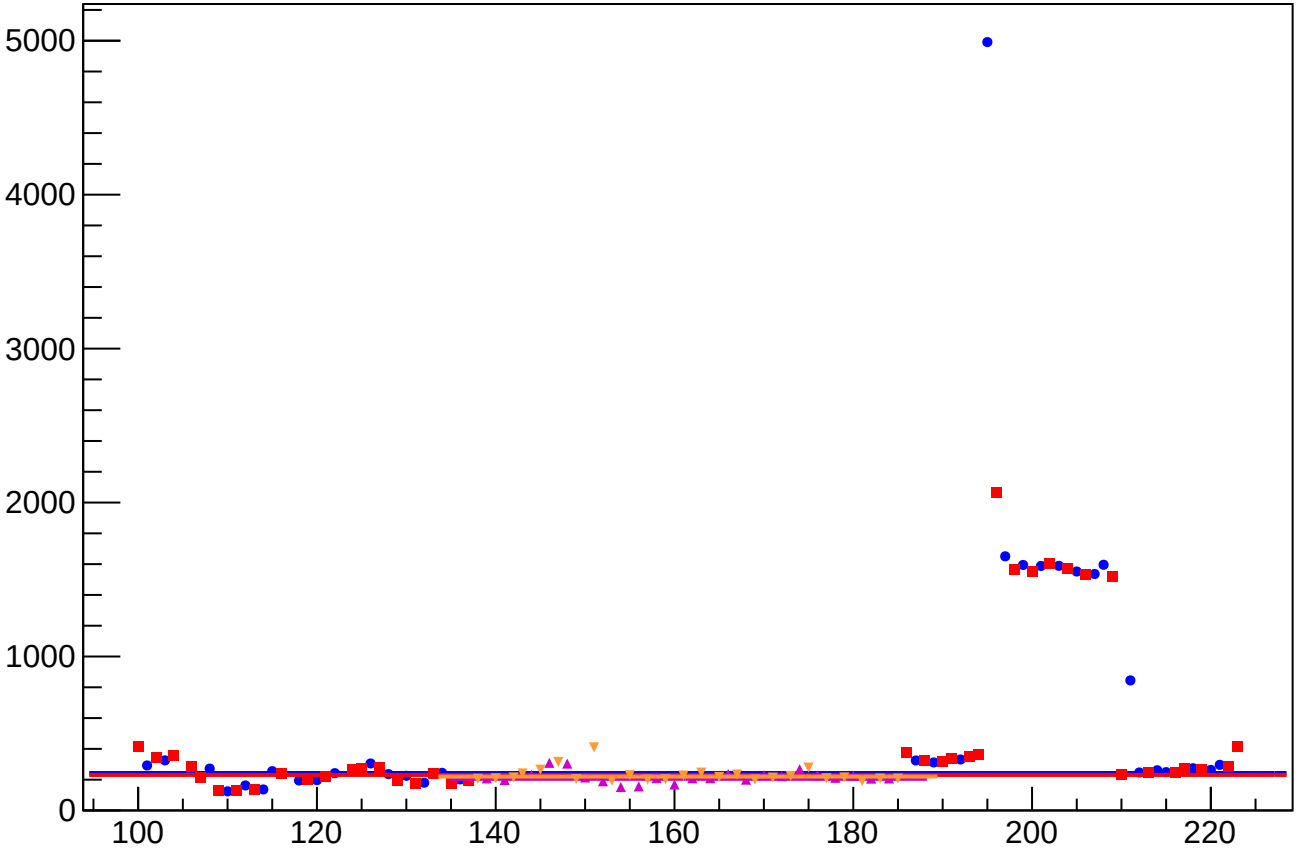
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 174.558+/-39.551 χ^2/NDF: 4625.5/58

All: -350.546+/-27.232 χ^2/NDF: 13391.8/120

- sign -823.858+/-37.550 χ^2/NDF: 8431.2/61

asym_bpm0l09WS_rms vs Slug



Right In: 243.174+/-0.044 χ^2/NDF: 12430583.1/33

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 230.665+/-0.041 χ^2/NDF: 11991388.2/38

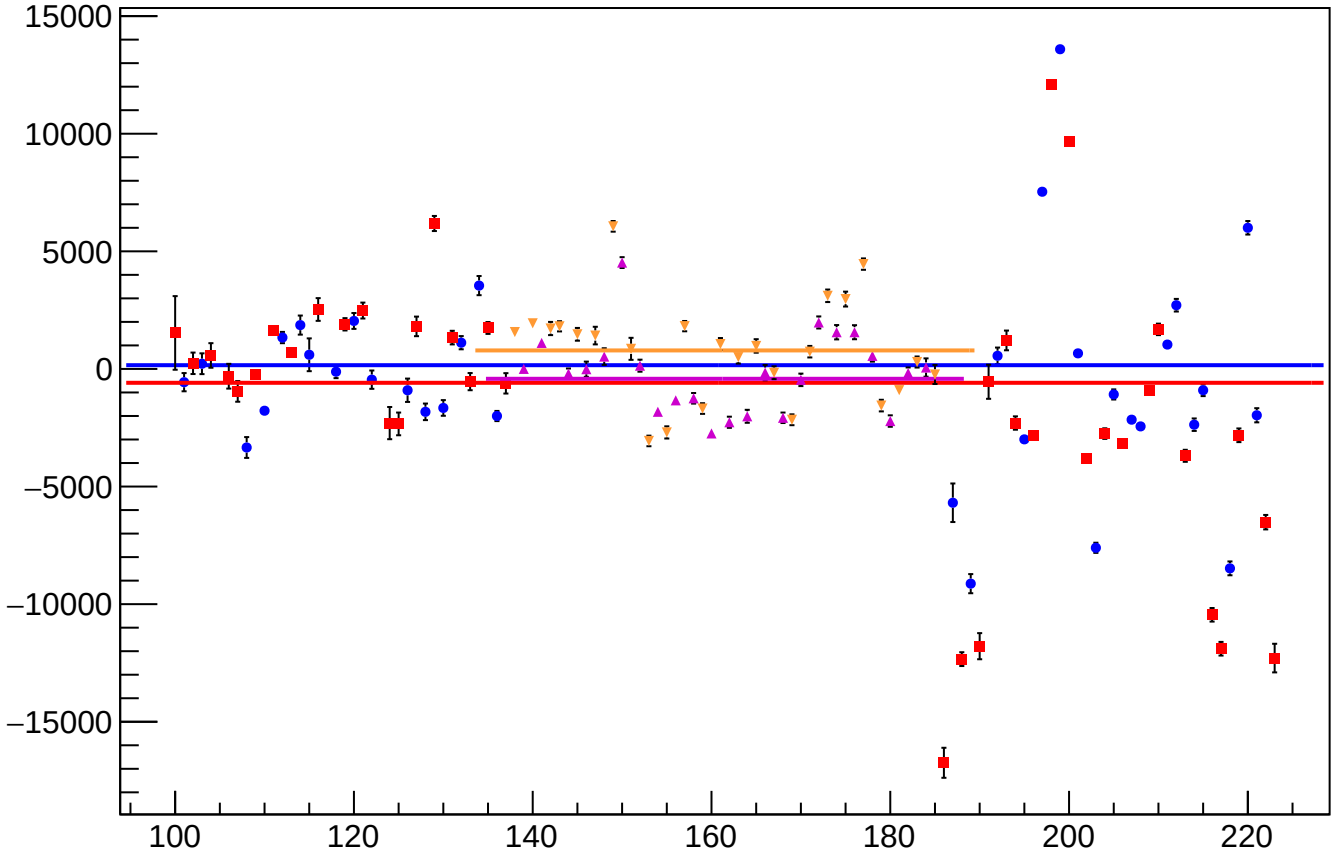
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 229.384+/-0.028 χ^2/NDF: 13393175.3/58

All: 222.443+/-0.019 χ^2/NDF: 26735490.3/12

- sign 216.187+/-0.027 χ^2/NDF: 13225212.3/61

asym_bpm0l10WS_mean vs Slug



Right In: 159.430+/-46.767 χ^2/NDF: 10658.5/33

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -589.231+/-46.164 χ^2/NDF: 14424.4/38

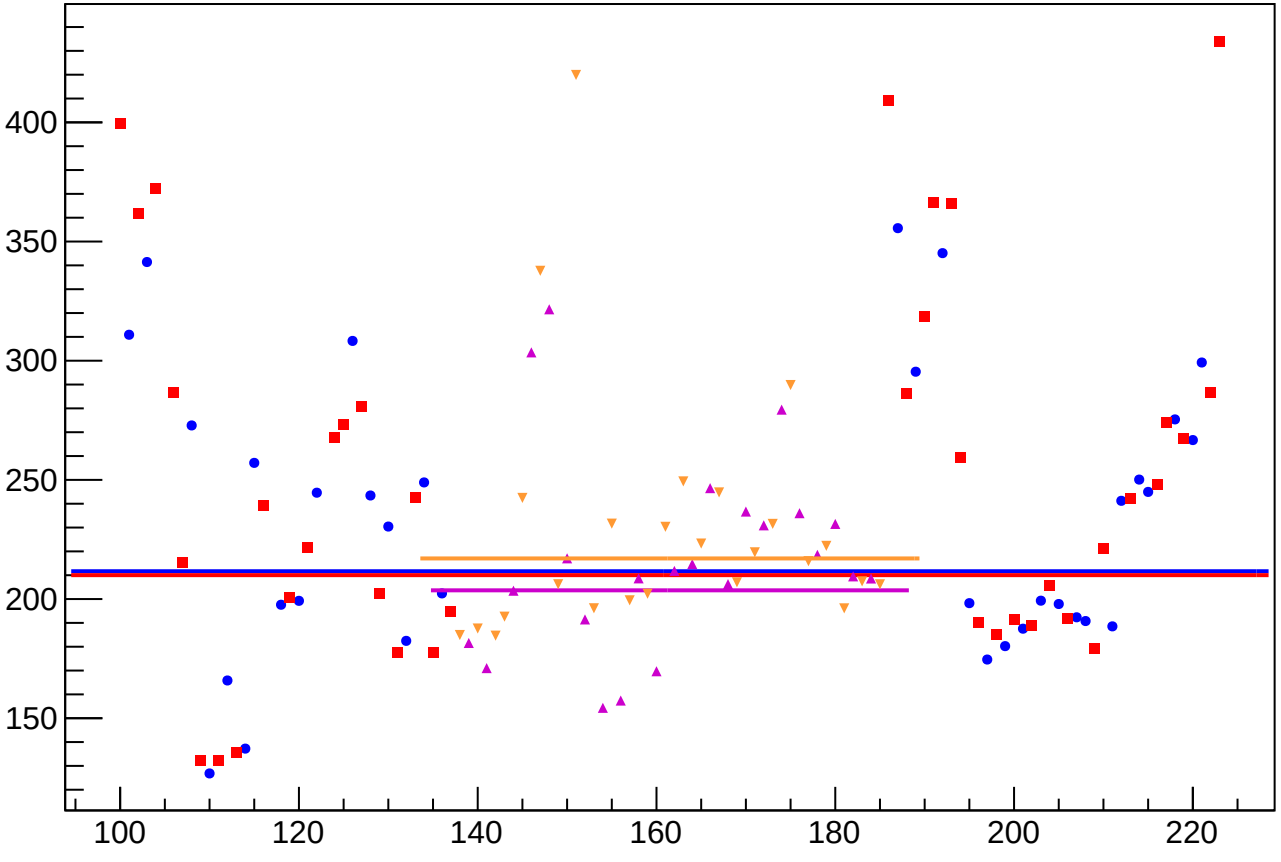
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 448.983+/-34.321 χ^2/NDF: 12679.1/58

All: -39.653+/-24.028 χ^2/NDF: 28718.4/120

- sign -509.363+/-33.650 χ^2/NDF: 15641.8/61

asym_bpm0l10WS_rms vs Slug



Right In: 211.668+/-0.033 χ^2/NDF: 2084083.3/33

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 210.029+/-0.033 χ^2/NDF: 3226106.5/38

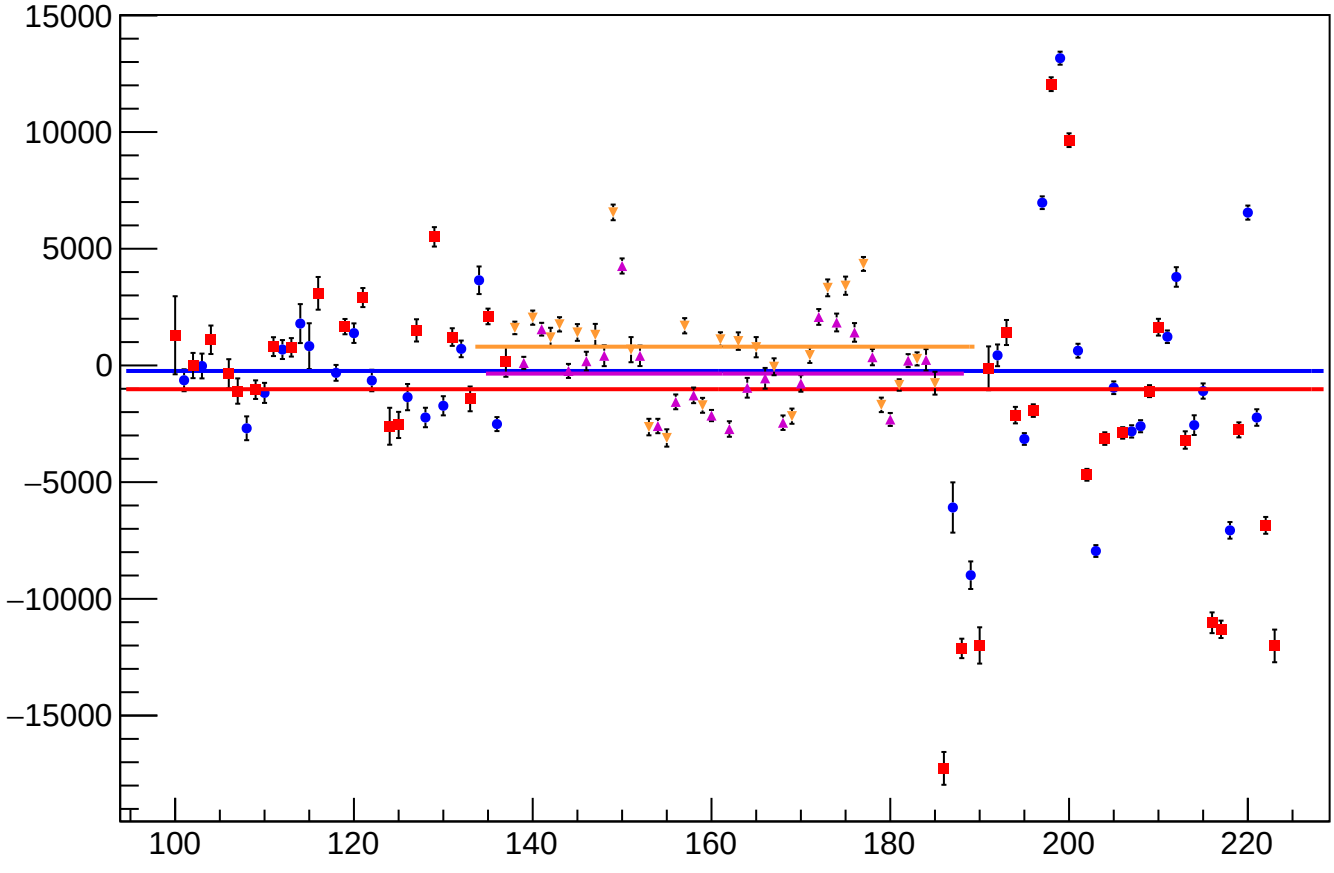
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 214.147+/-0.024 χ^2/NDF: 3079431.5/58

All: 210.525+/-0.017 χ^2/NDF: 7532390.5/120

- sign 207.044+/-0.024 χ^2/NDF: 4409281.9/61

asym_bpm0r03WS_mean vs Slug



Right In: -237.211+/-61.652 χ^2/NDF: 5783.6/33

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

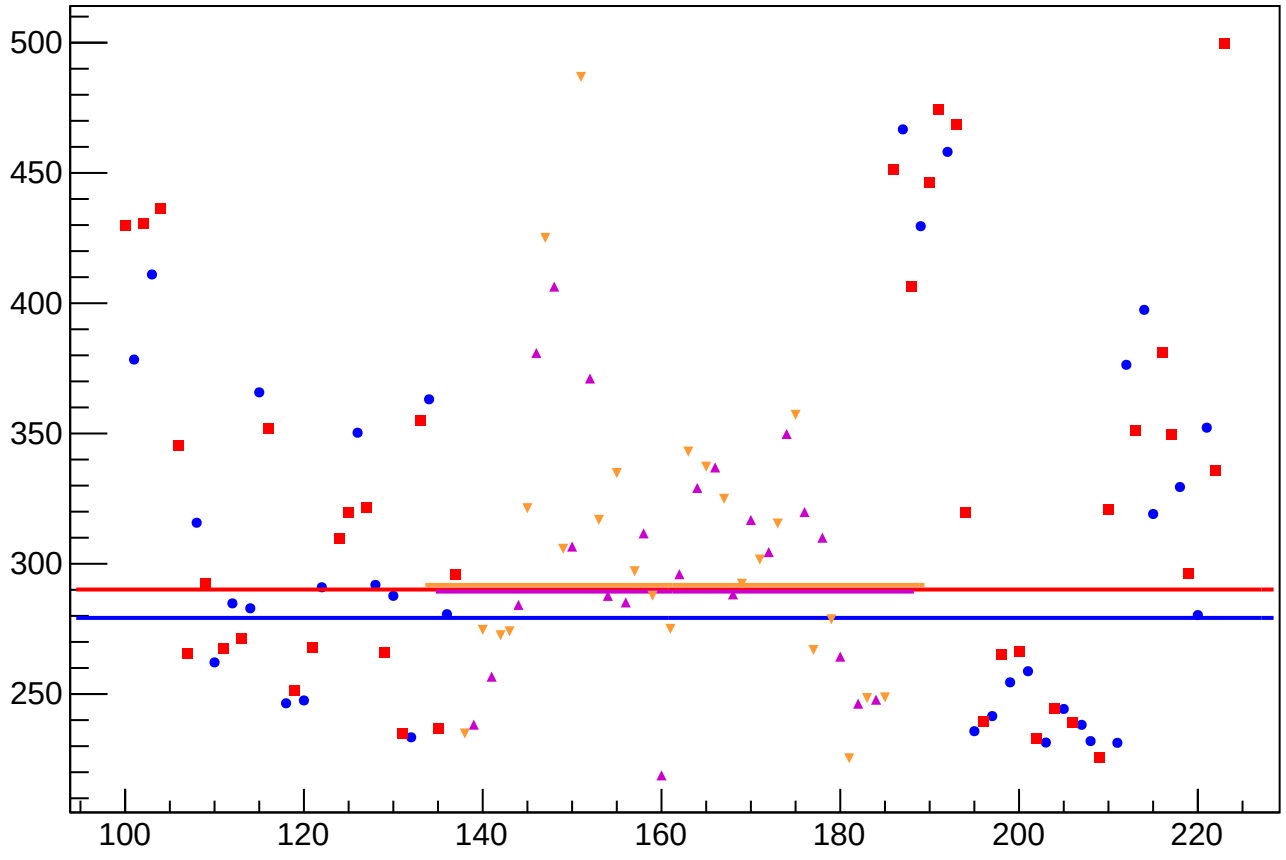
Right Out: -1018.477+/-63.027 χ^2/NDF: 7646.8/38

Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 234.761+/-45.581 χ^2/NDF: 6970.6/58

All: -230.025+/-32.561 χ^2/NDF: 15537.0/120

- sign -714.386+/-46.531 χ^2/NDF: 8354.1/61



Right In: 279.227+/-0.044 χ^2/NDF: 1691273.1/33

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 290.110+/-0.045 χ^2/NDF: 2028383.9/38

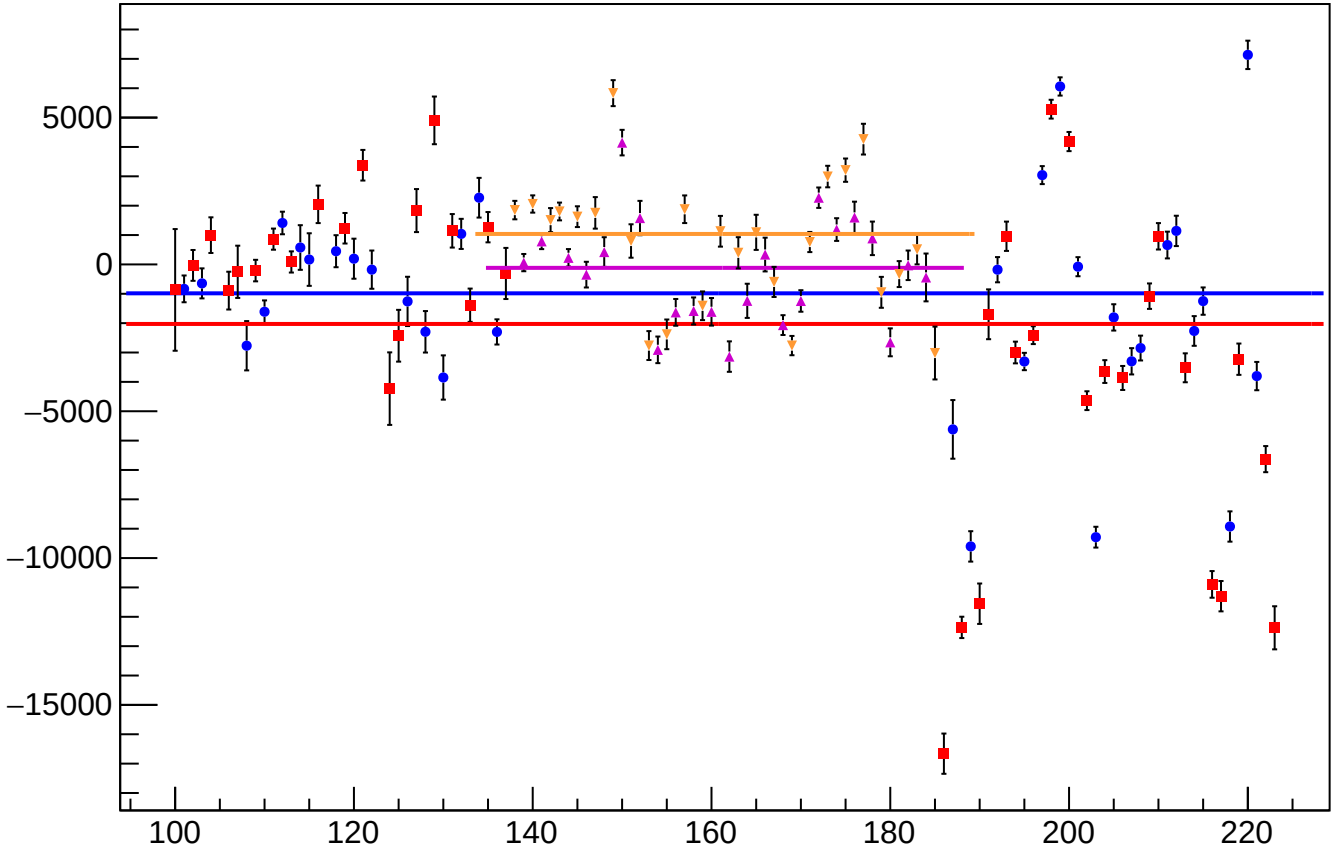
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 284.965+/-0.032 χ^2/NDF: 2689402.5/58

All: 287.309+/-0.023 χ^2/NDF: 5537334.0/120

- sign 289.751+/-0.033 χ^2/NDF: 2837132.0/61

asym_bpm0r05WS_mean vs Slug



Right In: -984.356+/-80.039 χ^2/NDF: 2378.1/33

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -2027.420+/-76.737 χ^2/NDF: 4099.6/38

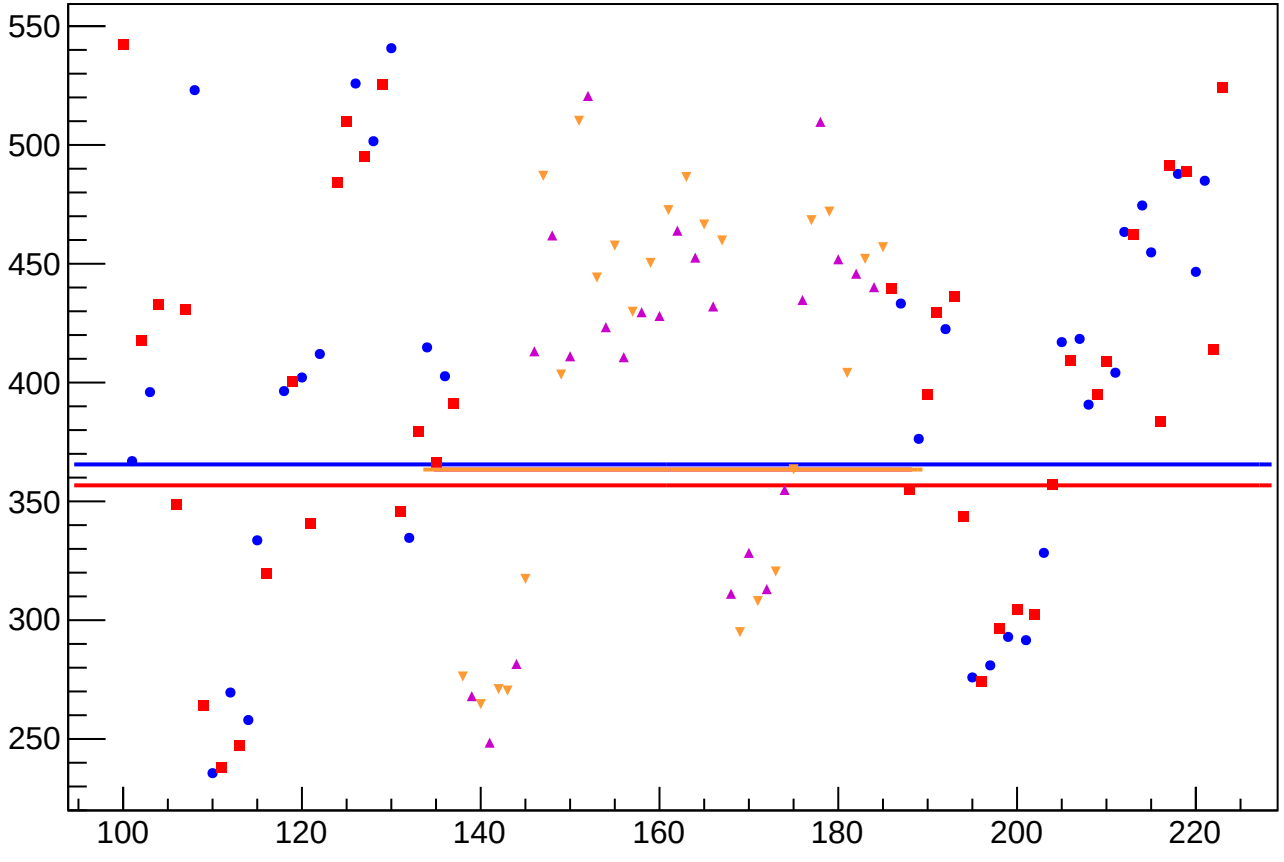
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

\+ sign -36.597+/-58.335 χ^2/NDF: 3247.3/58

All: -623.100+/-41.017 χ^2/NDF: 8186.8/120

\- sign -1196.544+/-57.682 χ^2/NDF: 4739.5/61

asym_bpm0r05WS_rms vs Slug



Right In: 365.549+/-0.057 χ^2/NDF: 2003962.1/33

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 356.738+/-0.054 χ^2/NDF: 1888913.0/38

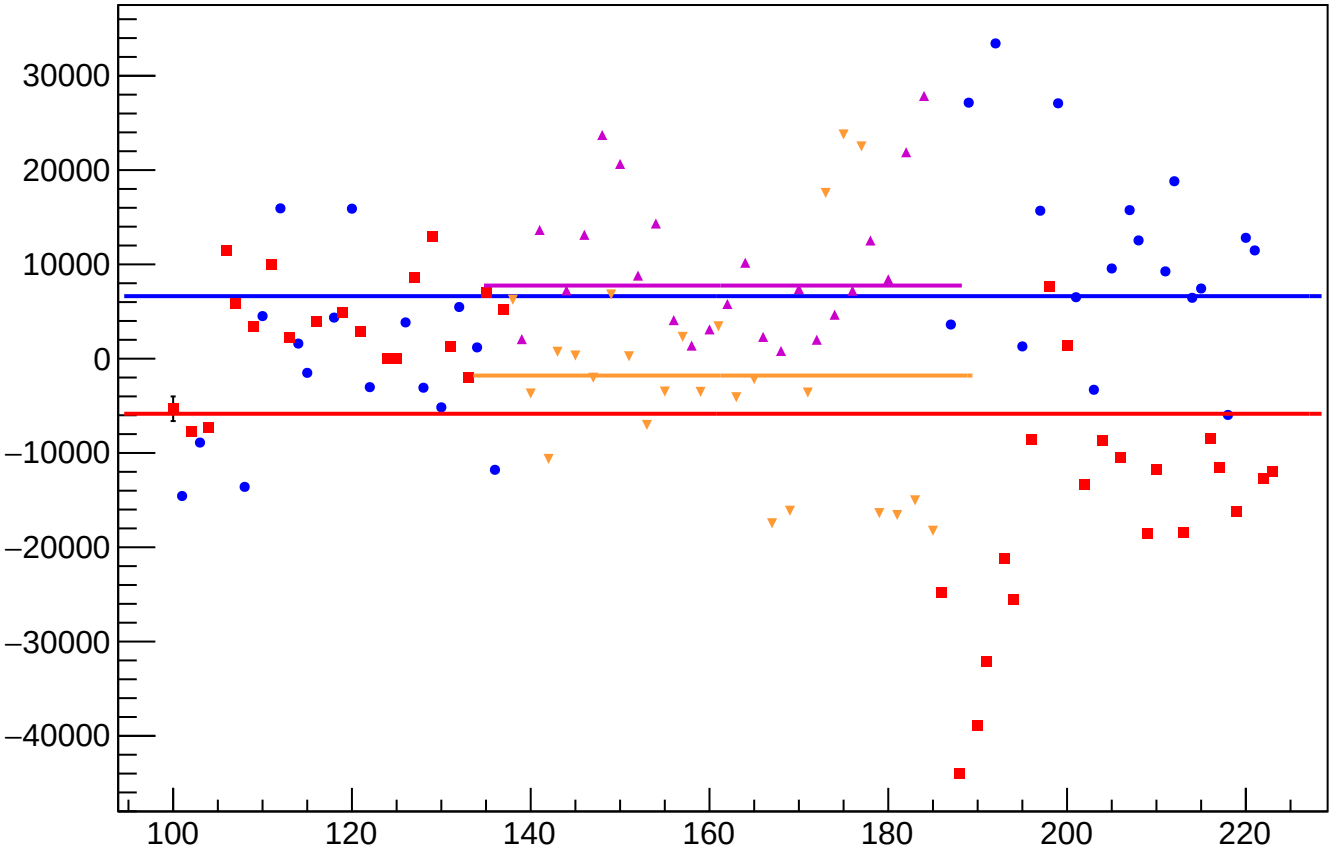
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 364.535+/-0.041 χ^2/NDF: 3945143.5/58

All: 362.055+/-0.029 χ^2/NDF: 7559335.6/120

- sign 359.630+/-0.041 χ^2/NDF: 3607041.3/61

asym_bpm0i02WS_mean vs Slug



Right In: 6630.436+/-37.092 χ^2/NDF: 100296.4/33

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5842.352+/-35.894 χ^2/NDF: 150734.1/38

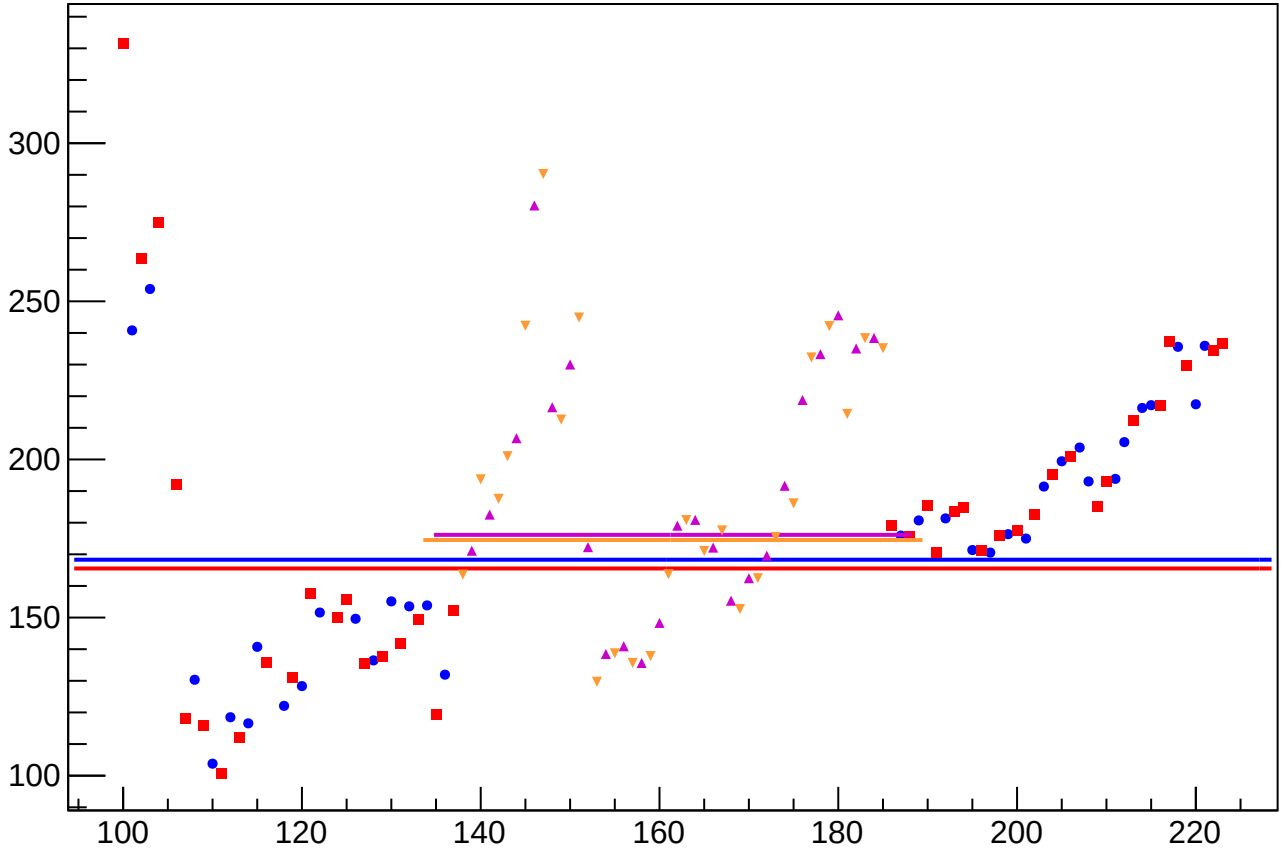
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2831.287+/-27.479 χ^2/NDF: 189295.3/58

All: 1317.311+/-19.417 χ^2/NDF: 428993.4/12

- sign -192.584+/-27.442 χ^2/NDF: 233635.0/61

asym_bpm0i02WS_rms vs Slug



Right In: 168.297+/-0.026 χ^2/NDF: 2086297.3/33

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

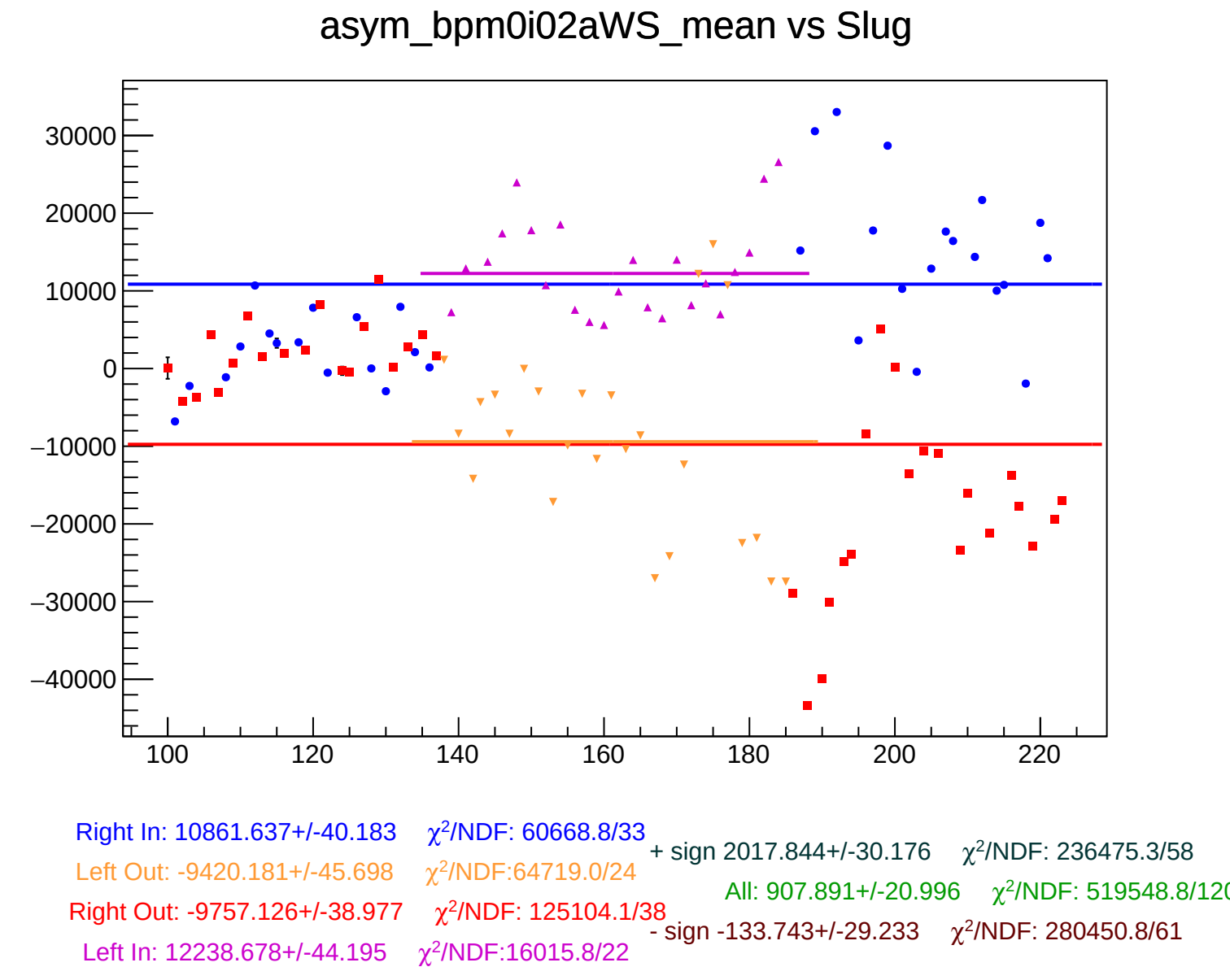
Right Out: 165.520+/-0.025 χ^2/NDF: 2512310.3/38

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

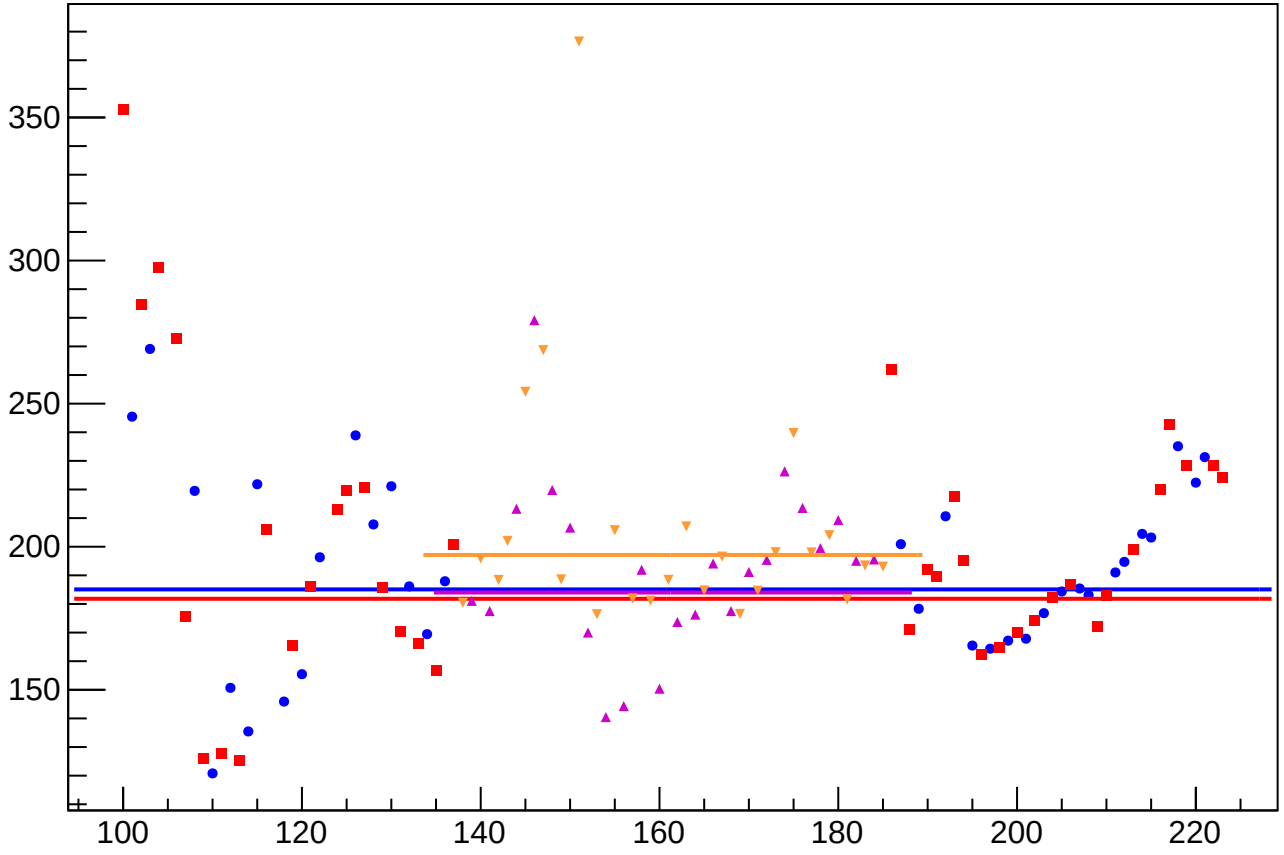
+ sign 171.105+/-0.019 χ^2/NDF: 3771173.5/58

All: 170.521+/-0.014 χ^2/NDF: 7725285.7/120

- sign 169.939+/-0.019 χ^2/NDF: 3952310.9/61


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 10861.637+/-40.183 χ²/NDF: 60668.8/33
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -9757.126+/-38.977 χ²/NDF: 125104.1/38
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 2017.844+/-30.176 χ²/NDF: 236475.3/58
All: 907.891+/-20.996 χ²/NDF: 519548.8/120
- sign -133.743+/-29.233 χ²/NDF: 280450.8/61

asym_bpm0i02aWS_rms vs Slug



Right In: 185.086+/-0.028 χ^2/NDF: 1062306.5/33

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 181.810+/-0.028 χ^2/NDF: 1610740.8/38

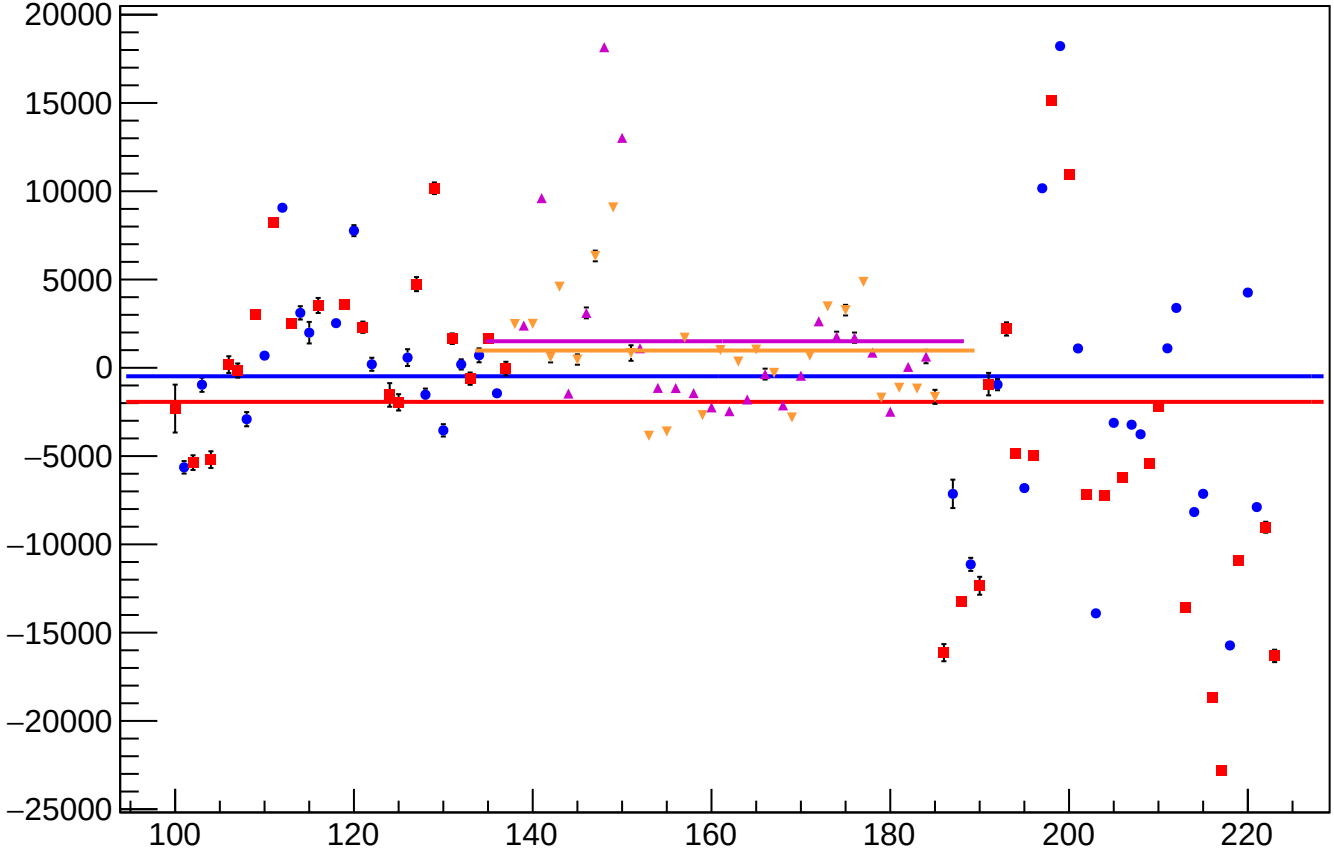
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 190.335+/-0.021 χ^2/NDF: 1873079.6/58

All: 186.428+/-0.015 χ^2/NDF: 4381296.5/120

- sign 182.762+/-0.021 χ^2/NDF: 2443243.5/61

asym_bpm0i05WS_mean vs Slug



Right In: -479.761+/-45.138 χ^2/NDF: 28035.3/33

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1929.086+/-43.916 χ^2/NDF: 38826.7/38

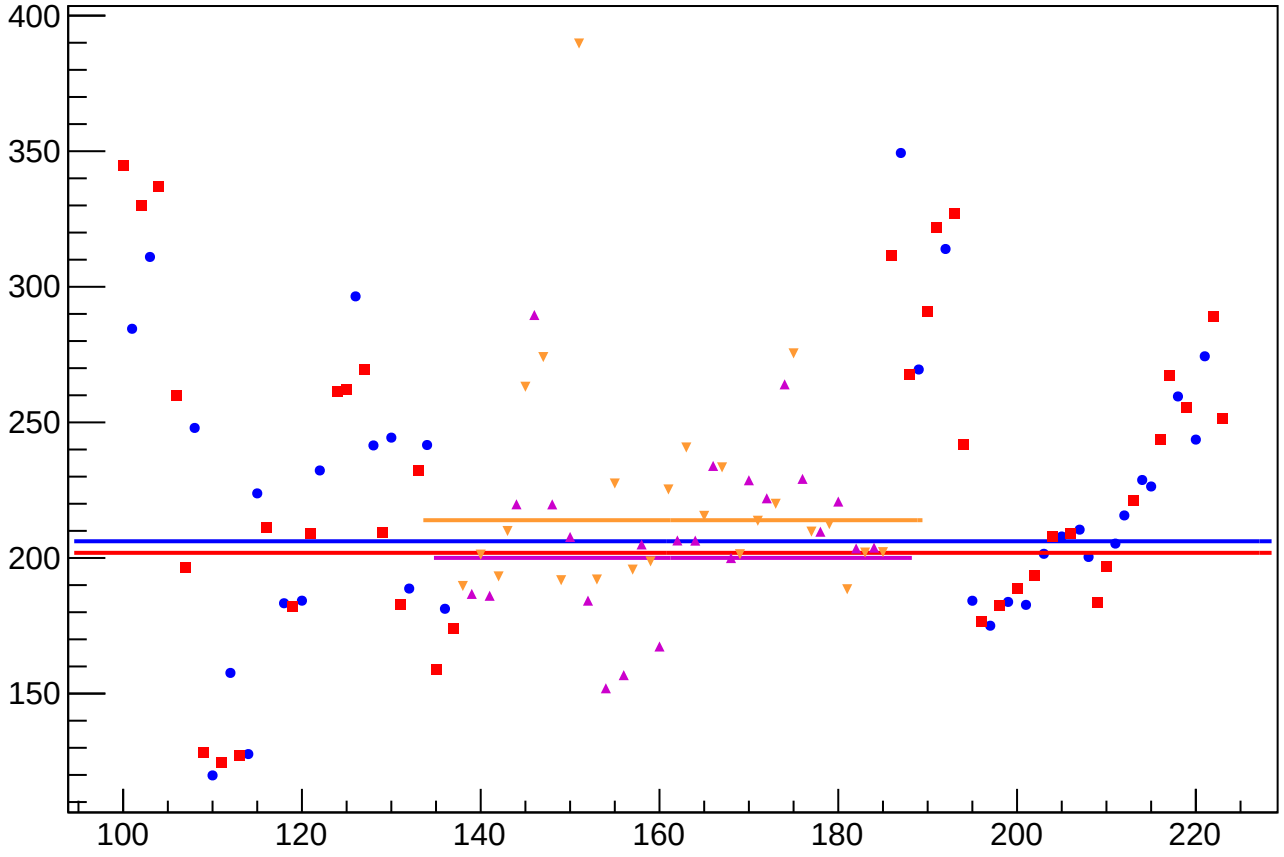
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 180.704+/-33.386 χ^2/NDF: 32830.9/58

All: -100.731+/-23.257 χ^2/NDF: 86059.4/120

- sign -366.070+/-32.417 χ^2/NDF: 53090.4/61

asym_bpm0i05WS_rms vs Slug



Right In: 206.167+/-0.032 χ^2/NDF: 1773205.5/33

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 201.900+/-0.031 χ^2/NDF: 2756654.2/38

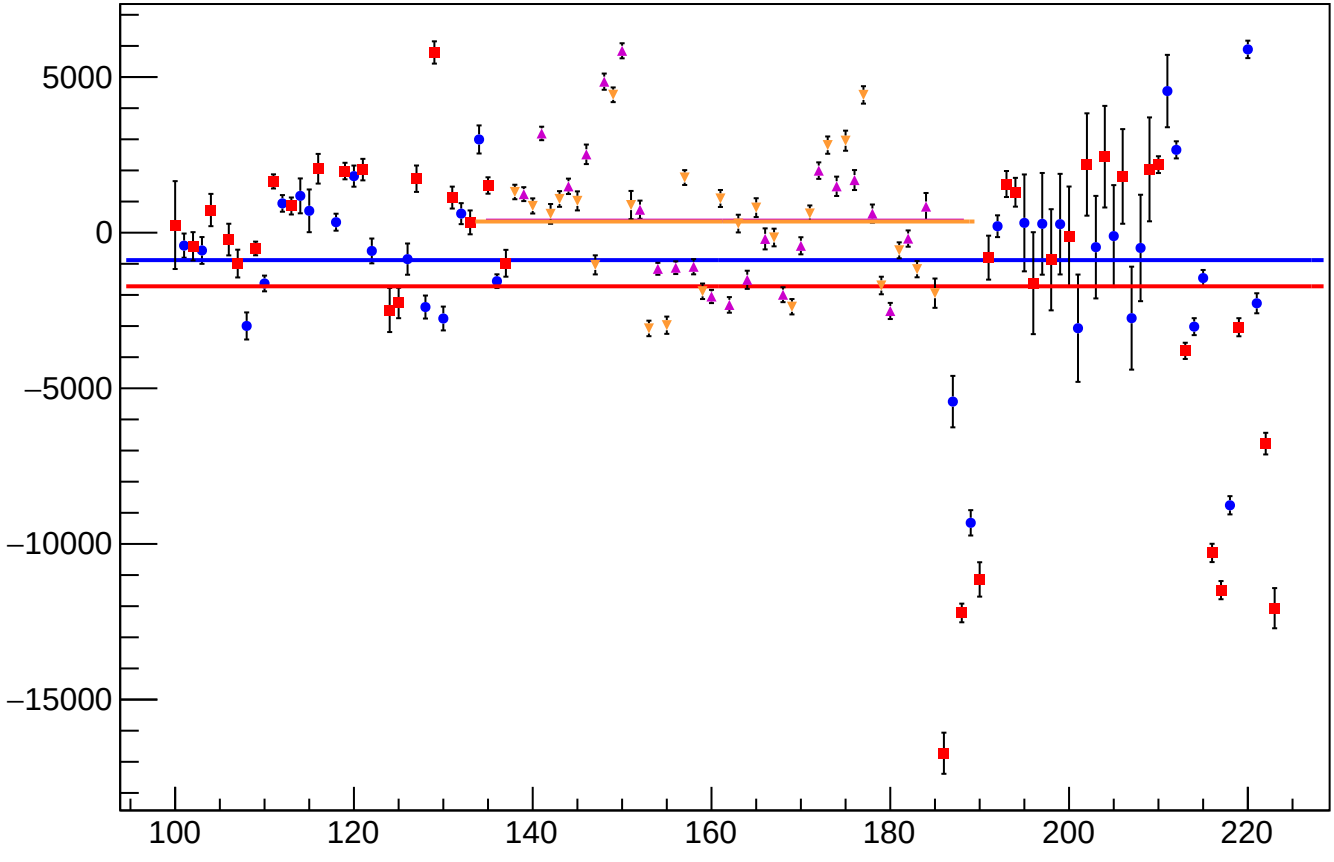
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.683+/-0.024 χ^2/NDF: 2533649.1/58

All: 205.239+/-0.016 χ^2/NDF: 6146331.1/120

- sign 201.049+/-0.023 χ^2/NDF: 3543829.3/61

asym_bpm0i07WS_mean vs Slug



Right In: -881.504+/-66.218 χ^2/NDF: 2380.3/33

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1723.083+/-62.172 χ^2/NDF: 6408.6/38

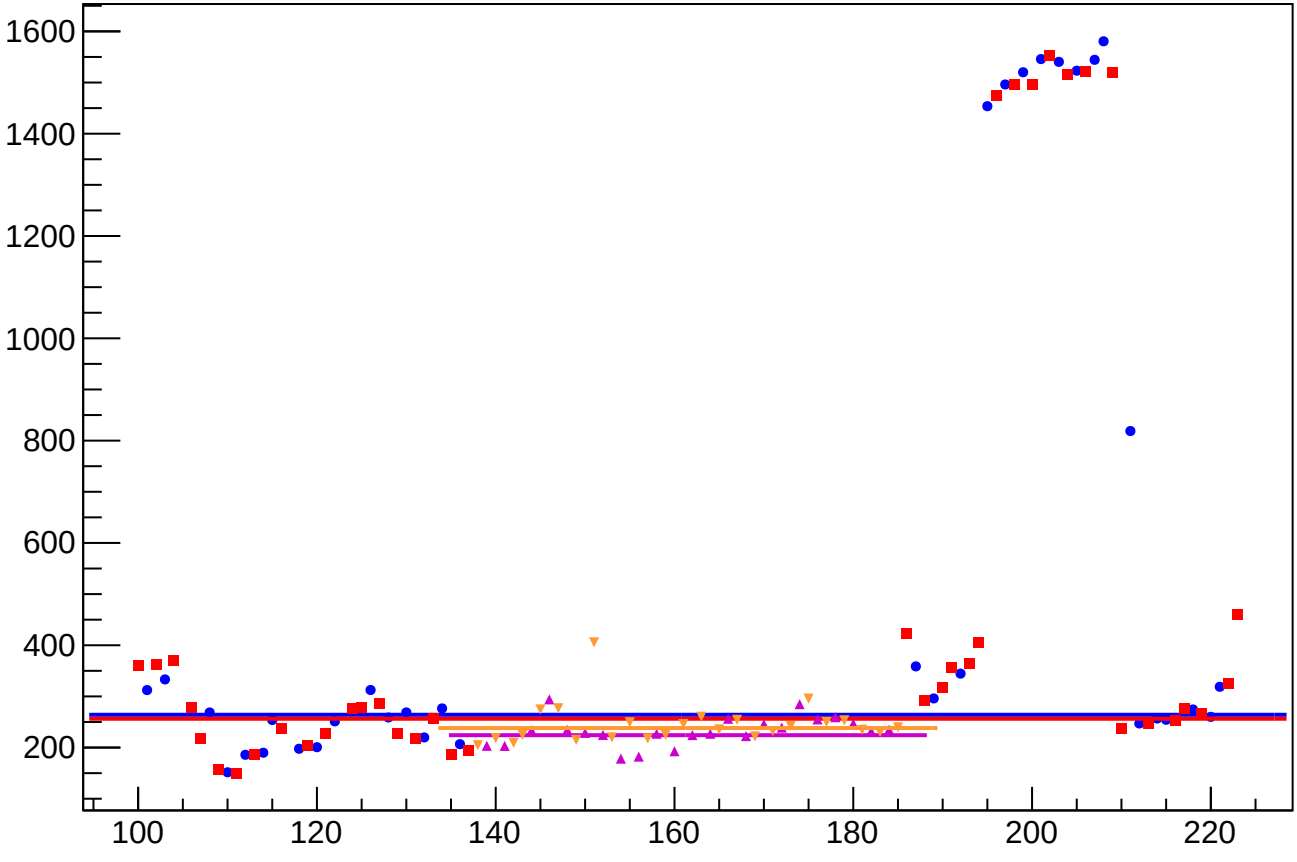
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -147.522+/-42.305 χ^2/NDF: 4006.8/58

All: -337.055+/-29.280 χ^2/NDF: 12919.5/120

- sign -511.313+/-40.565 χ^2/NDF: 8874.2/61

asym_bpm0i07WS_rms vs Slug



Right In: 264.118+/-0.047 χ^2/NDF: 11125639.6/33

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 256.351+/-0.044 χ^2/NDF: 10837247.6/38

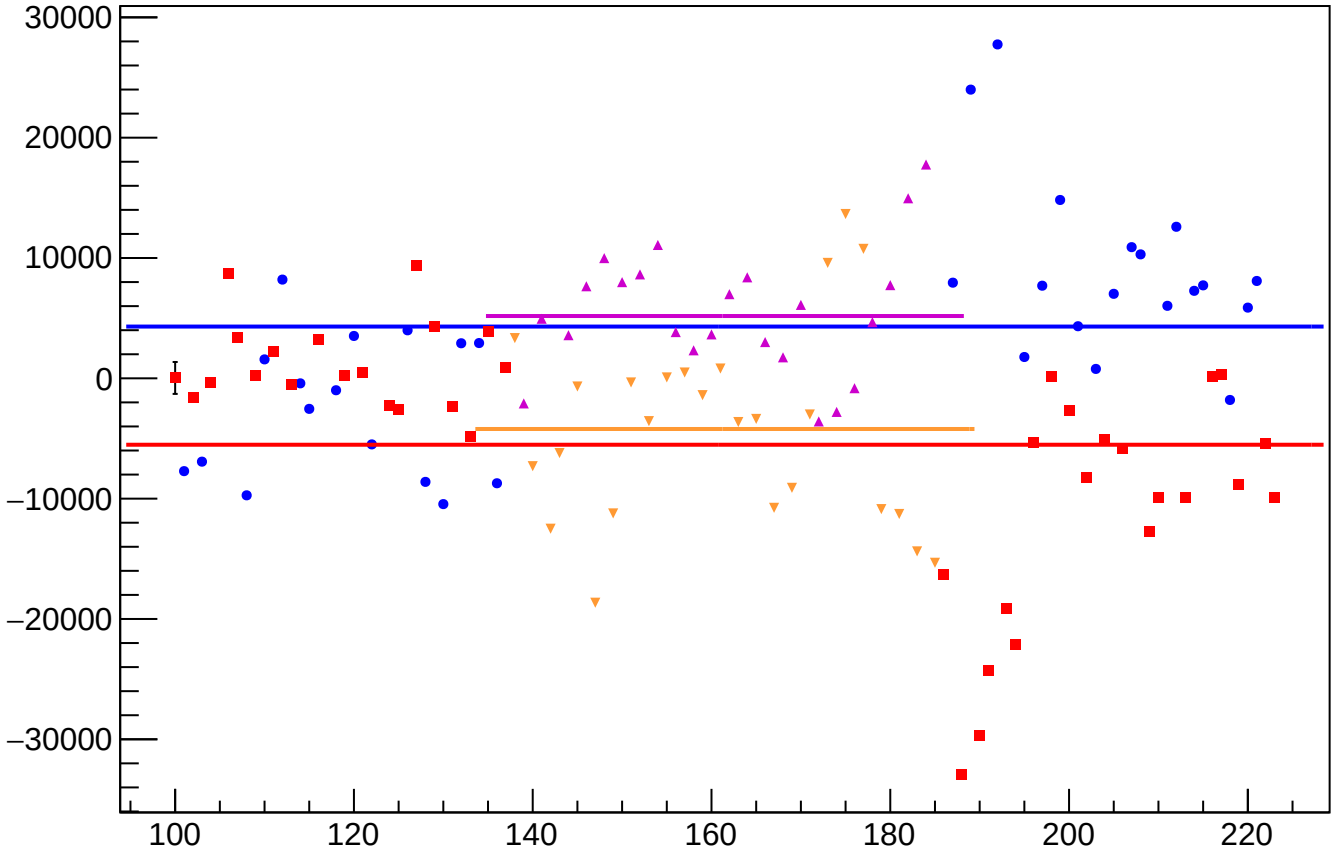
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 248.779+/-0.030 χ^2/NDF: 11874925.8/58

All: 243.108+/-0.021 χ^2/NDF: 23651314.8/12

- sign 237.894+/-0.029 χ^2/NDF: 11707410.7/61

asym_bpm1i02WS_mean vs Slug



Right In: 4302.381+/-31.514 χ^2/NDF: 83273.4/33

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5519.464+/-30.345 χ^2/NDF: 107749.0/38

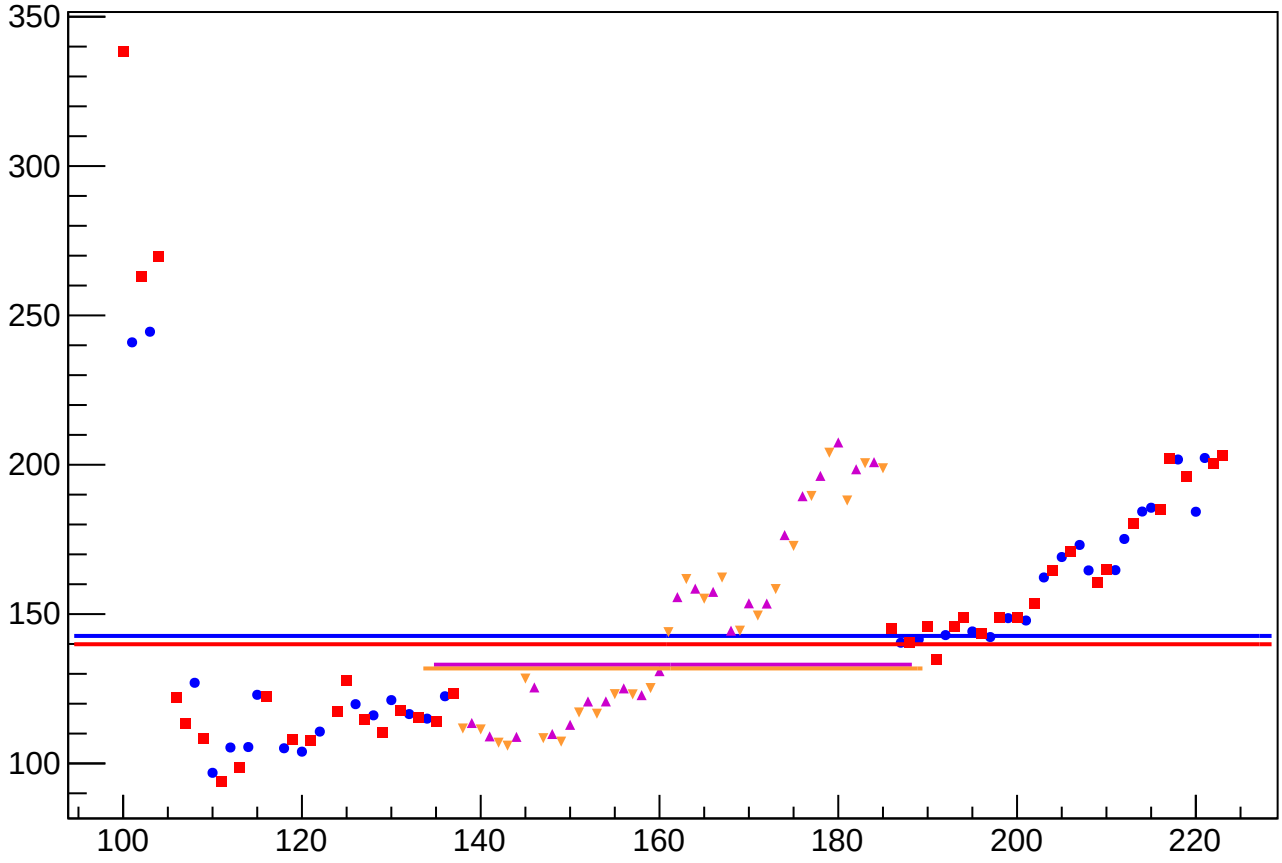
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -47.682+/-22.037 χ^2/NDF: 177365.2/58

All: -248.767+/-15.573 χ^2/NDF: 362725.4/12

- sign -449.336+/-22.009 χ^2/NDF: 185194.0/61

asym_bpm1i02WS_rms vs Slug



Right In: 142.691+/-0.022 χ^2/NDF: 2112273.8/33

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 139.908+/-0.021 χ^2/NDF: 2403528.5/38

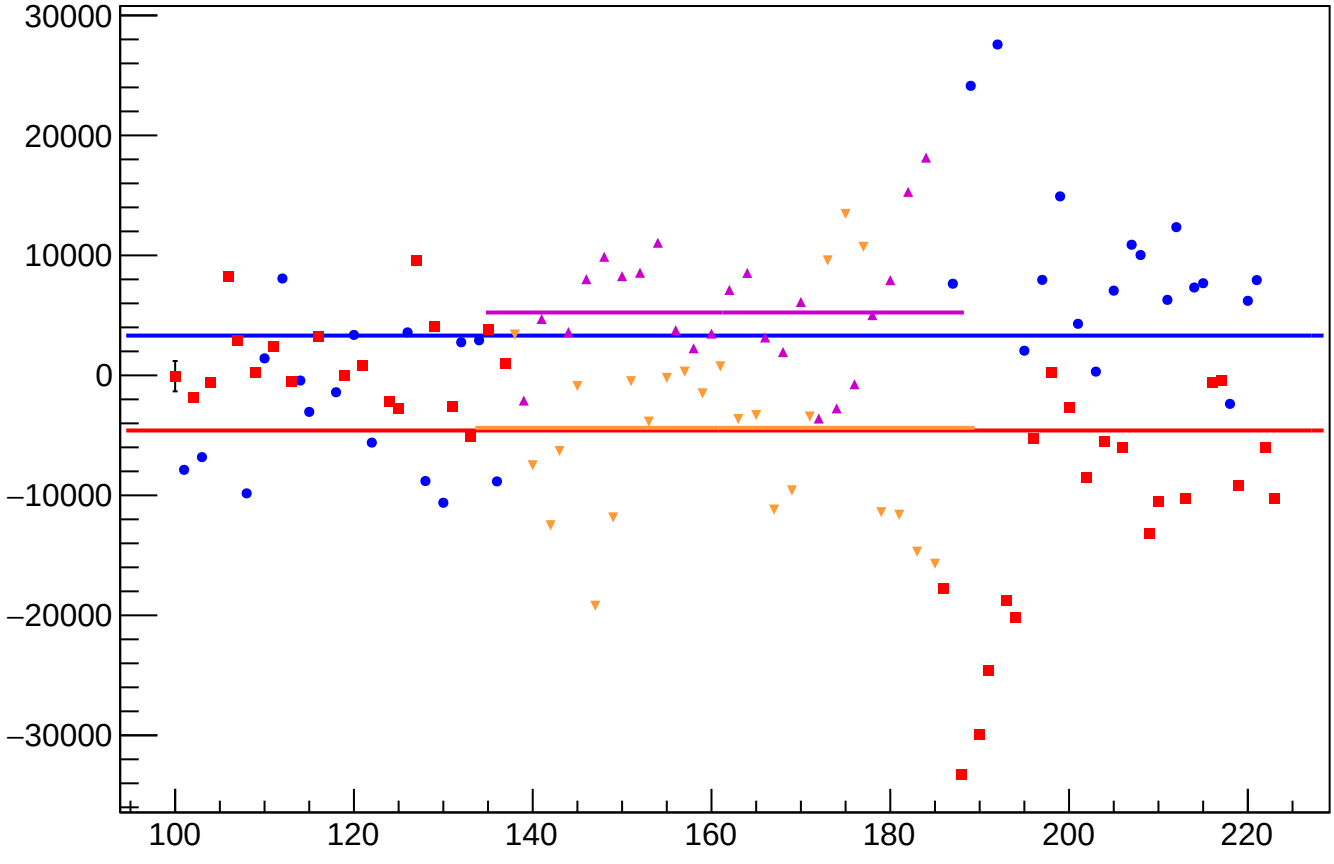
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 137.124+/-0.016 χ^2/NDF: 3778723.3/58

All: 136.893+/-0.011 χ^2/NDF: 7649204.5/120

- sign 136.663+/-0.016 χ^2/NDF: 3870042.8/61

asym_bpm1i04WS_mean vs Slug



Right In: 3315.138+/-28.512 χ^2/NDF: 94571.2/33

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -4594.459+/-27.532 χ^2/NDF: 118160.0/38

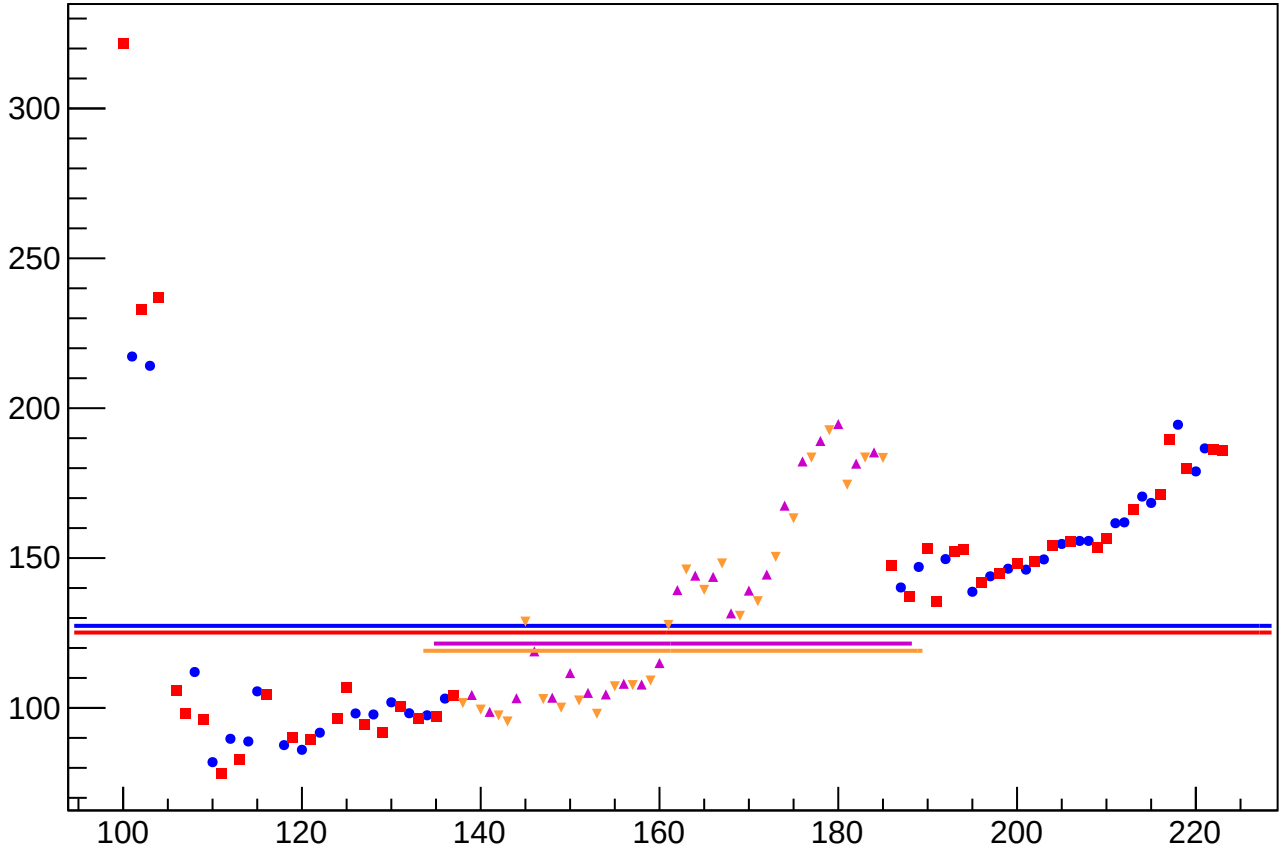
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -604.594+/-19.961 χ^2/NDF: 198858.5/58

All: -291.139+/-14.145 χ^2/NDF: 399720.9/12

- sign 25.055+/-20.048 χ^2/NDF: 200367.1/61

asym_bpm1i04WS_rms vs Slug



Right In: 127.381+/-0.020 χ^2/NDF: 3066420.1/33

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

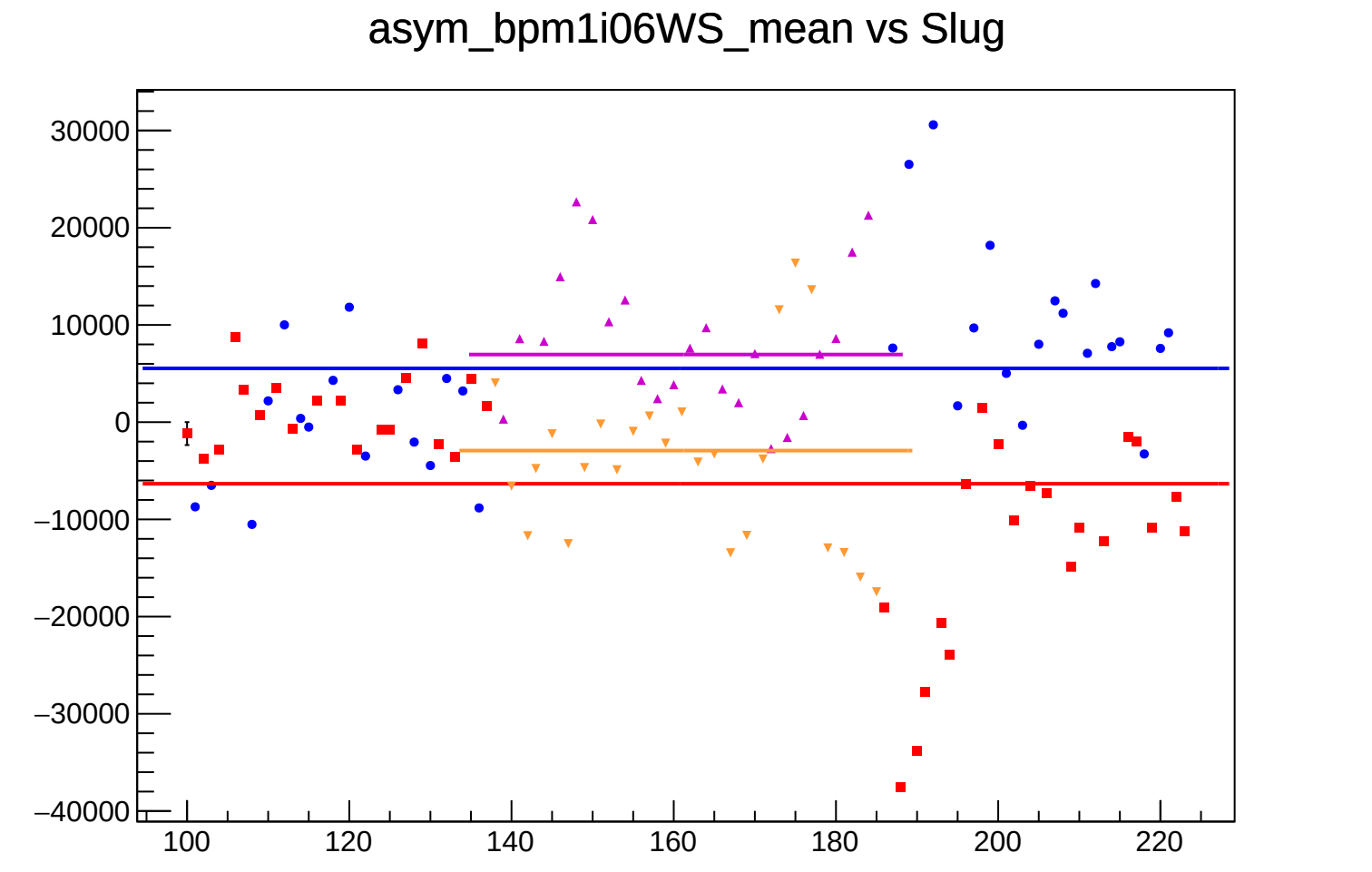
Right Out: 125.150+/-0.019 χ^2/NDF: 3434906.9/38

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

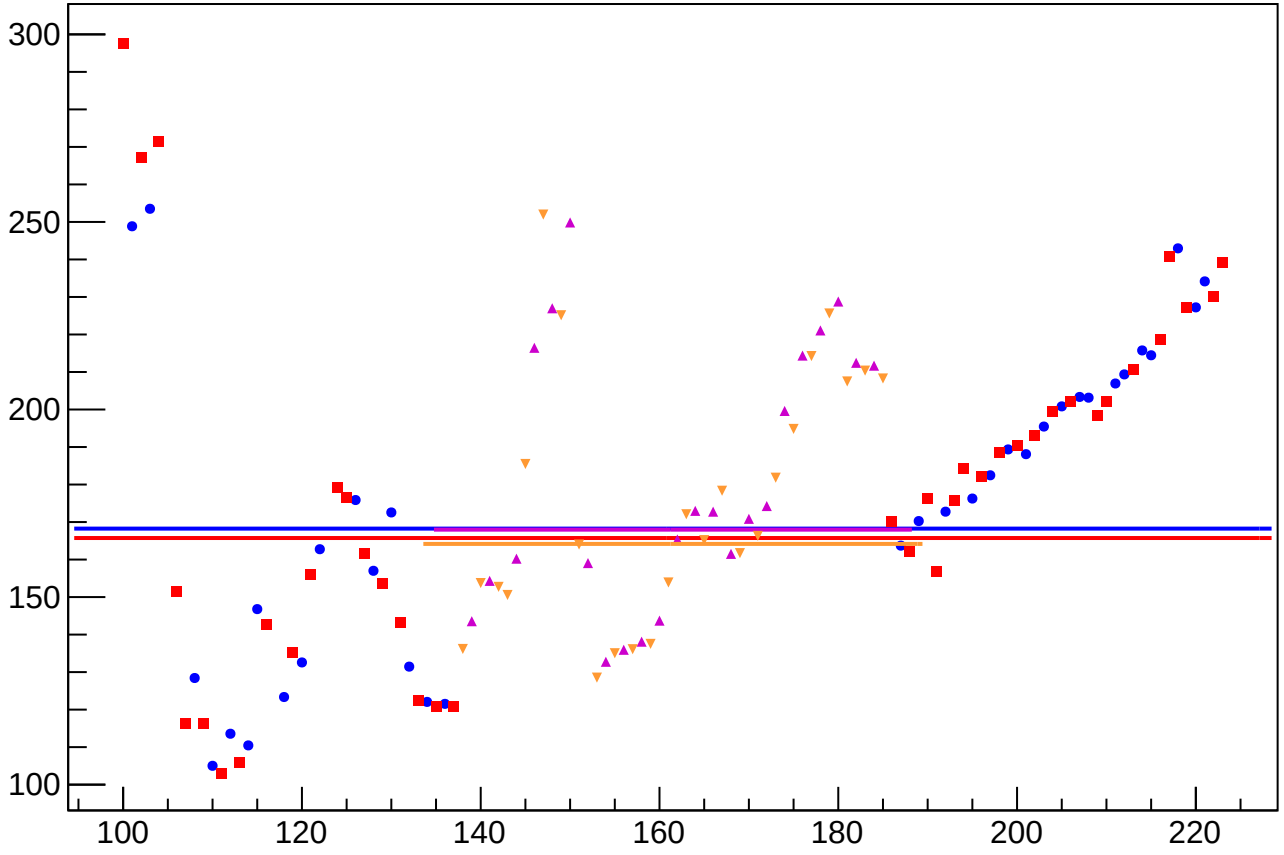
+ sign 123.141+/-0.014 χ^2/NDF: 4908620.5/58

All: 123.280+/-0.010 χ^2/NDF: 9889904.4/120

- sign 123.420+/-0.014 χ^2/NDF: 4981088.8/61


asym_bpm1i06WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 5534.407+/-37.232 χ²/NDF: 66529.4/33
Left Out: -2923.060+/-38.185 χ²/NDF:38052.4/24
Right Out: -6335.023+/-36.015 χ²/NDF: 96673.3/38
Left In: 6956.884+/-40.245 χ²/NDF:22339.0/22
+ sign 1412.536+/-26.657 χ²/NDF: 129730.0/58
All: 500.418+/-18.913 χ²/NDF: 311672.4/120
- sign -424.083+/-26.838 χ²/NDF: 179585.0/61

asym_bpm1i06WS_rms vs Slug



Right In: 168.253+/-0.026 χ^2/NDF: 2479196.9/33

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 165.742+/-0.025 χ^2/NDF: 2680361.1/38

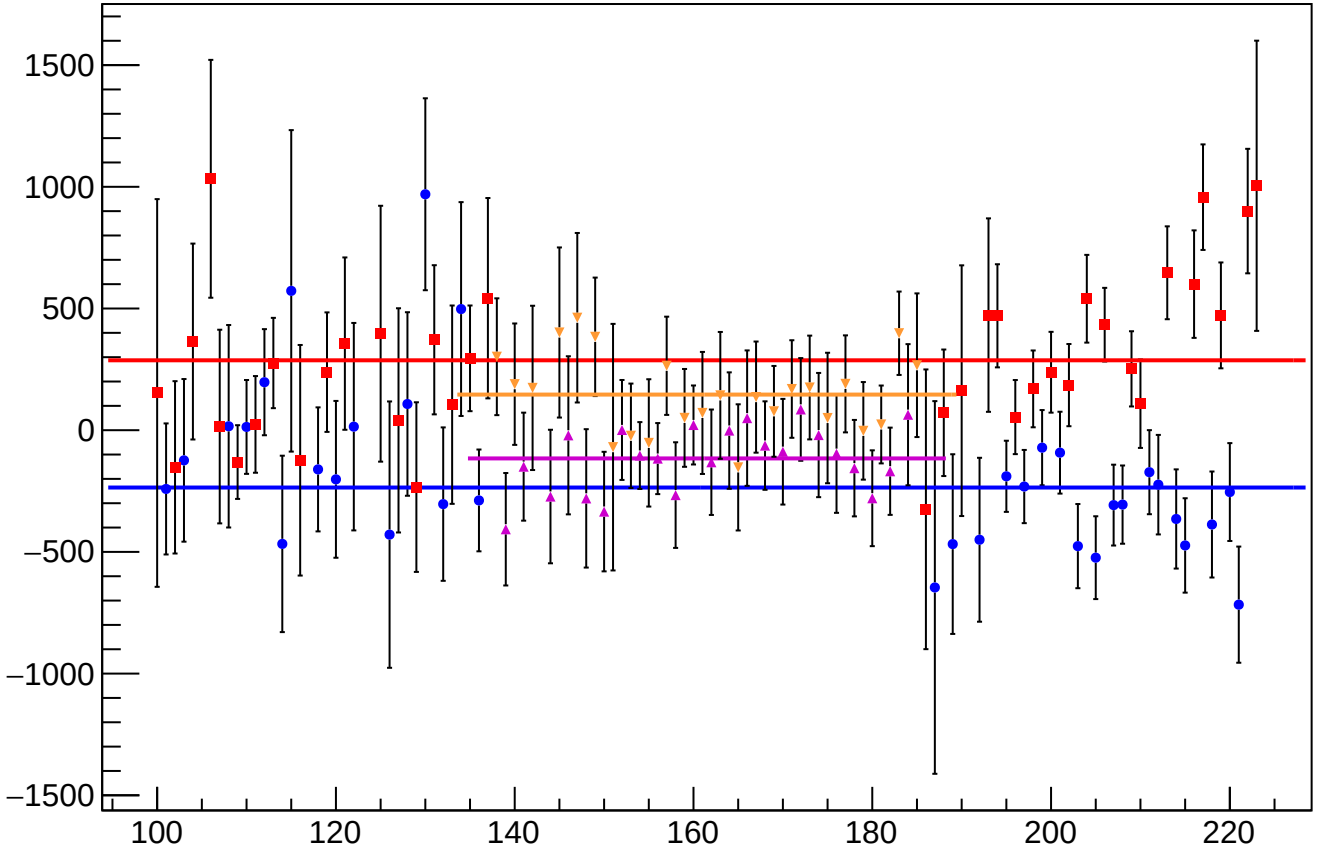
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 166.264+/-0.019 χ^2/NDF: 3715309.7/58

All: 166.498+/-0.013 χ^2/NDF: 7622144.6/120

- sign 166.735+/-0.019 χ^2/NDF: 3906524.5/61

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -235.538+/-38.563 χ^2/NDF: 36.5/33

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 287.178+/-38.527 χ^2/NDF: 51.0/36

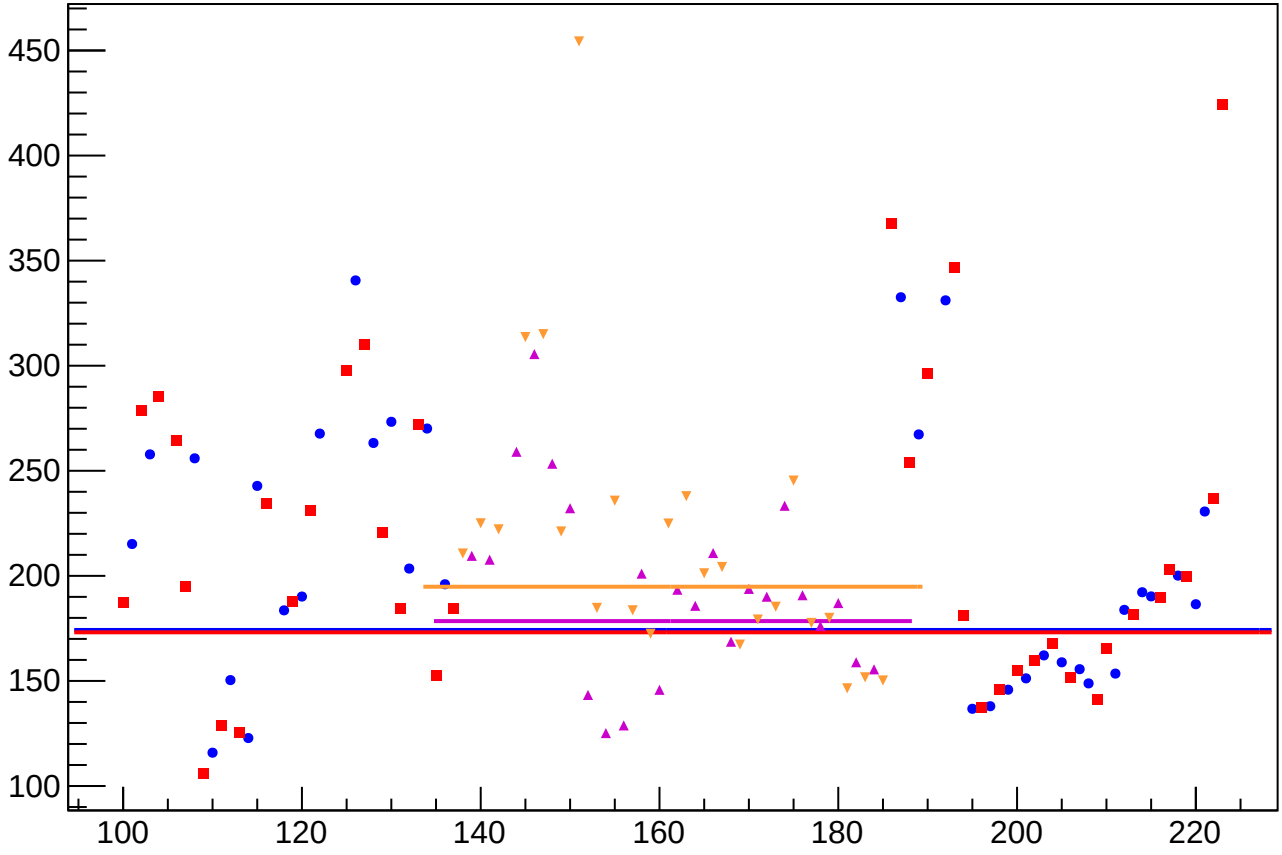
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign -81.610+/-29.794 χ^2/NDF: 85.9/57

All: 17.428+/-20.734 χ^2/NDF: 214.0/117

- sign 110.430+/-28.872 χ^2/NDF: 106.6/59

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 174.253+/-0.027 χ^2/NDF: 2488785.0/33

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 173.139+/-0.027 χ^2/NDF: 3416895.9/36

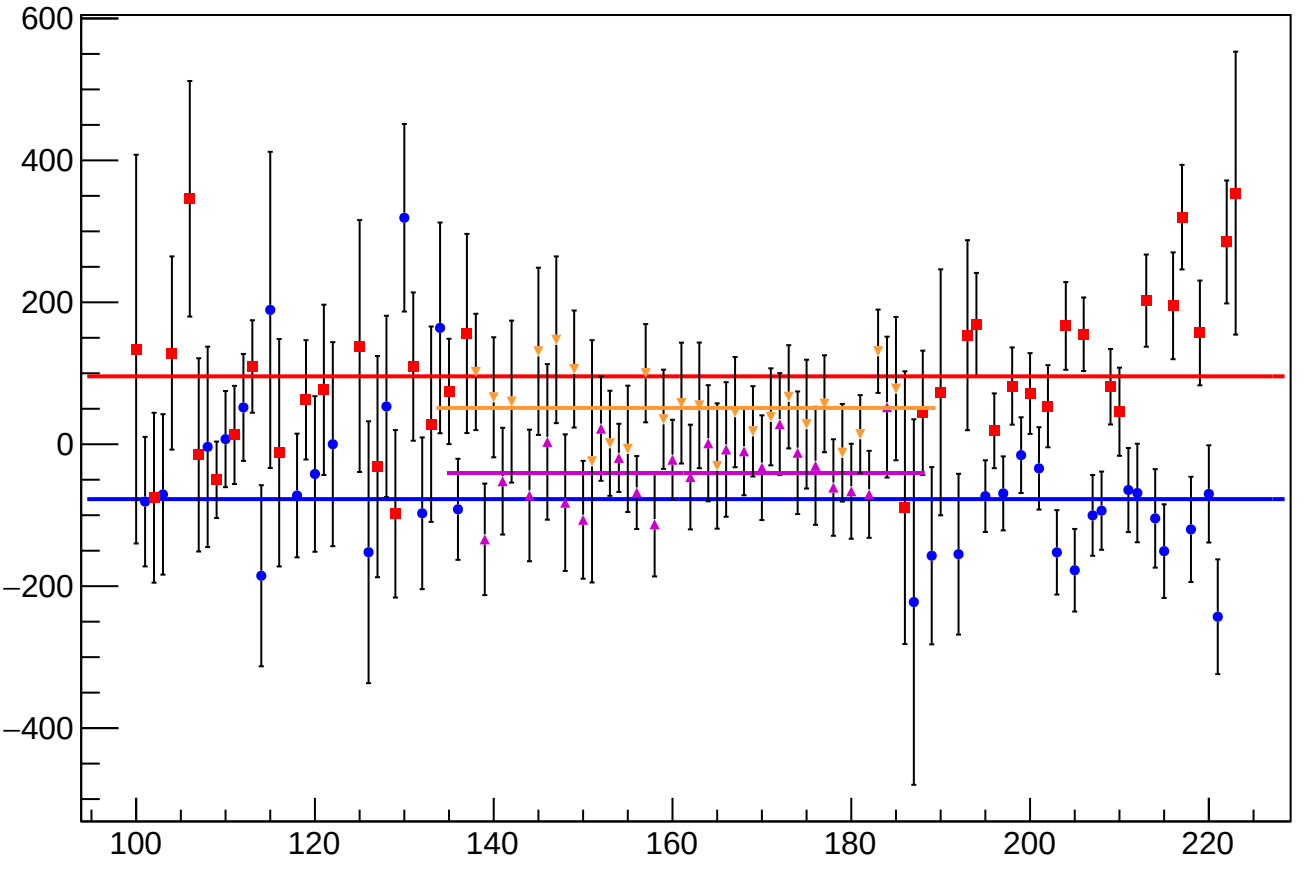
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 182.546+/-0.021 χ^2/NDF: 4470761.0/57

All: 178.901+/-0.015 χ^2/NDF: 9638788.5/117

- sign 175.478+/-0.020 χ^2/NDF: 5109985.8/59

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -77.308+/-13.218 χ^2/NDF: 34.2/33

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 95.702+/-13.229 χ^2/NDF: 48.0/36

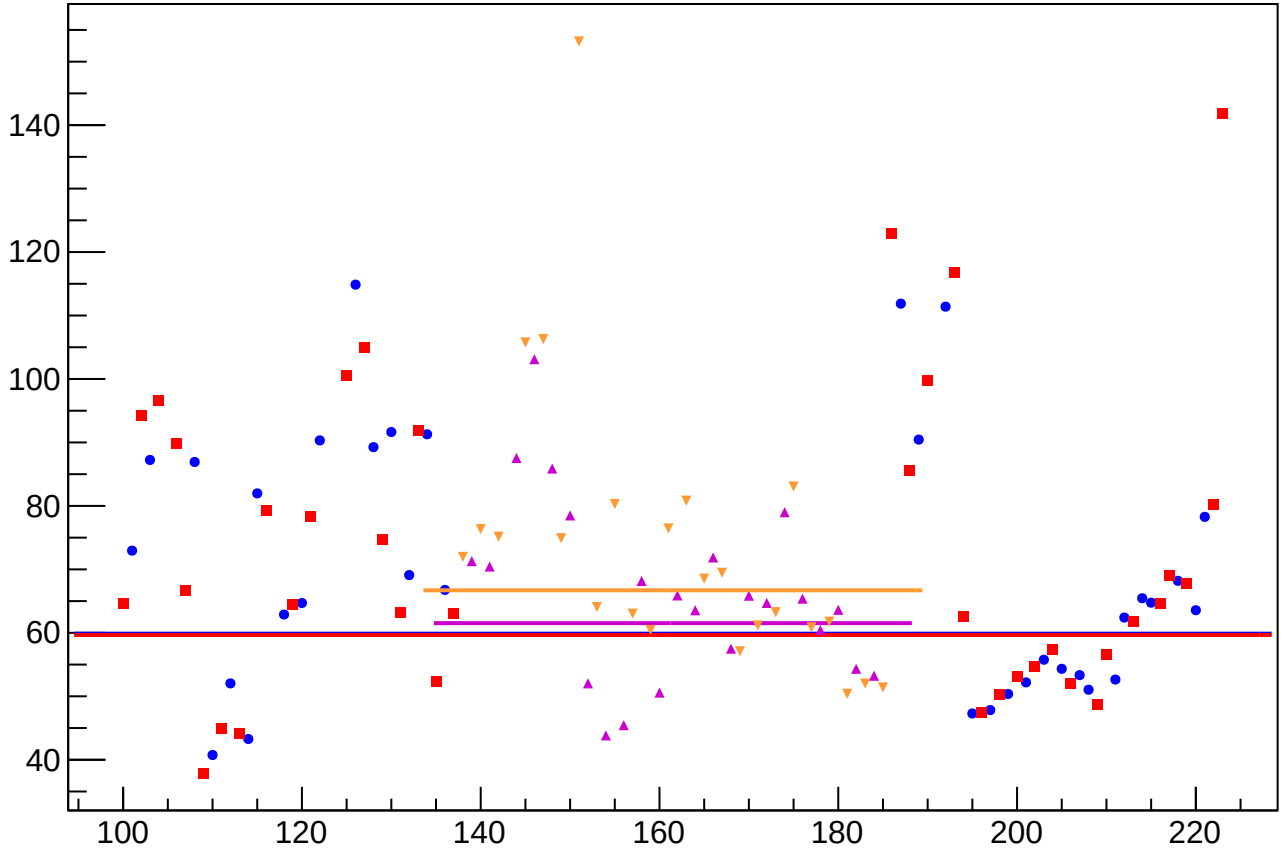
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

\+ sign -25.340+/-10.200 χ^2/NDF: 80.5/57

All: 6.195+/-7.110 χ^2/NDF: 201.4/117

\- sign 35.995+/-9.915 χ^2/NDF: 102.3/59

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 59.866+/-0.009 χ^2/NDF: 2325340.7/33

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.664+/-0.009 χ^2/NDF: 3175190.0/36

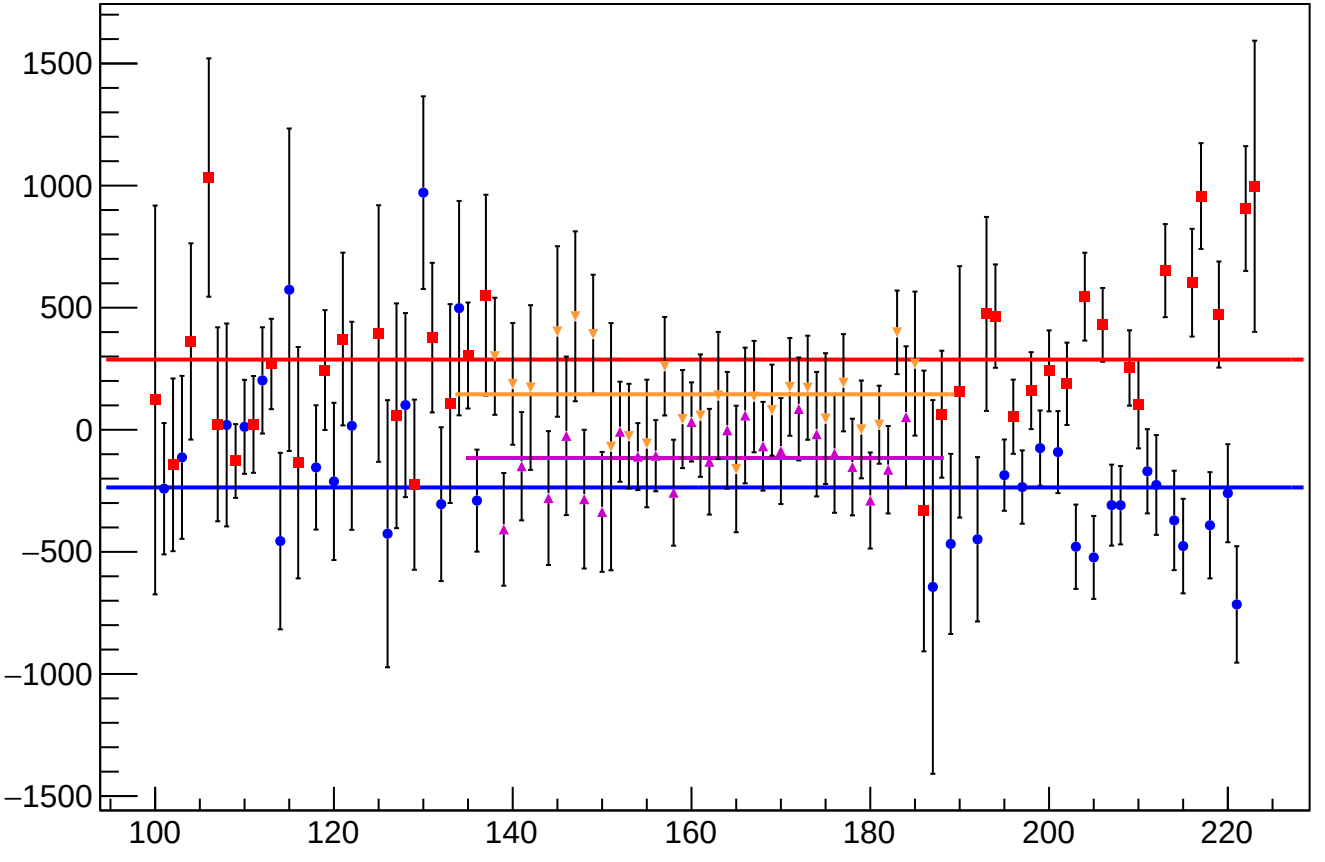
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.632+/-0.007 χ^2/NDF: 4218138.1/57

All: 61.526+/-0.005 χ^2/NDF: 8946304.7/117

- sign 60.481+/-0.007 χ^2/NDF: 4682457.3/59

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -236.124+/-38.514 χ^2/NDF: 36.7/33

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 287.600+/-38.480 χ^2/NDF: 51.3/36

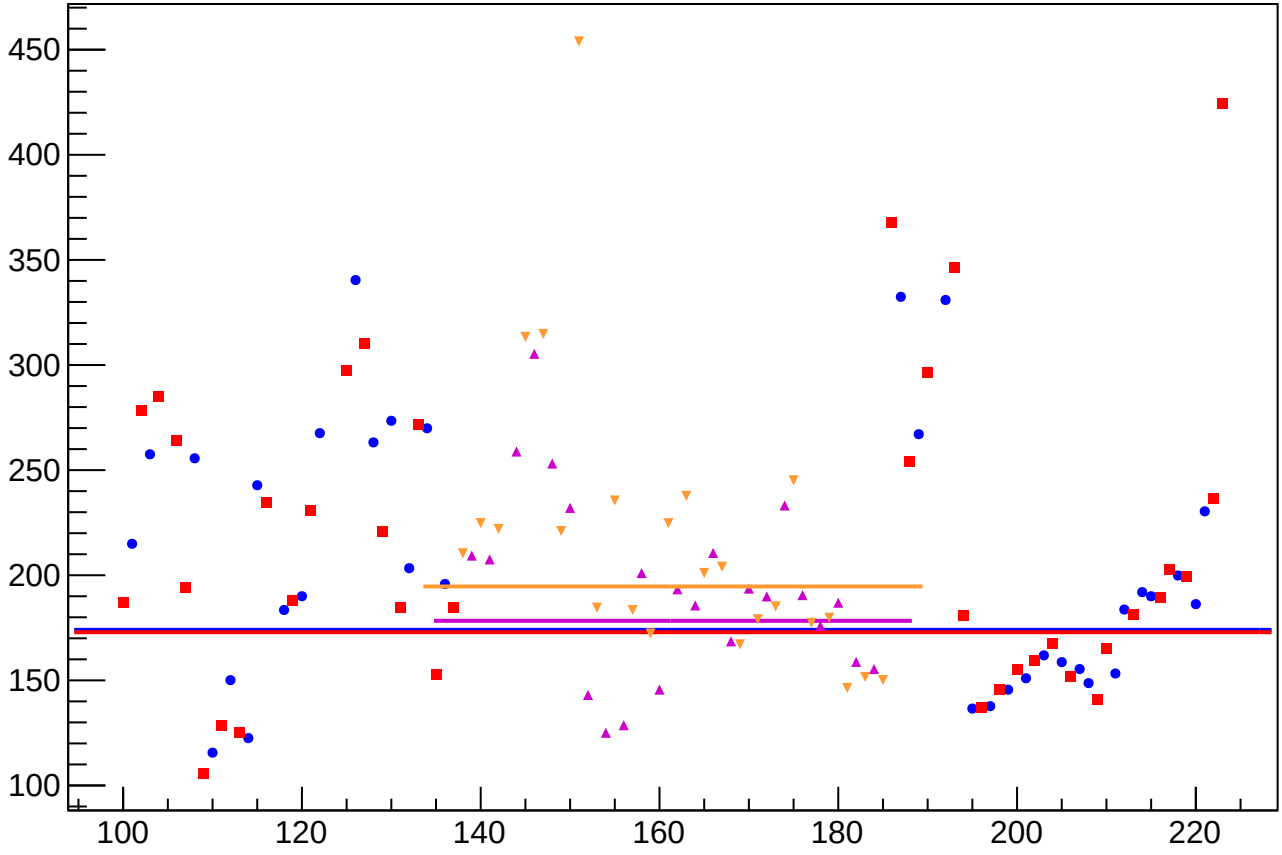
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -82.386+/-29.762 χ^2/NDF: 86.5/57

All: 17.322+/-20.712 χ^2/NDF: 215.4/117

- sign 110.959+/-28.841 χ^2/NDF: 107.2/59

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 174.019+/-0.027 χ^2/NDF: 2495680.5/33

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 172.903+/-0.027 χ^2/NDF: 3426802.7/36

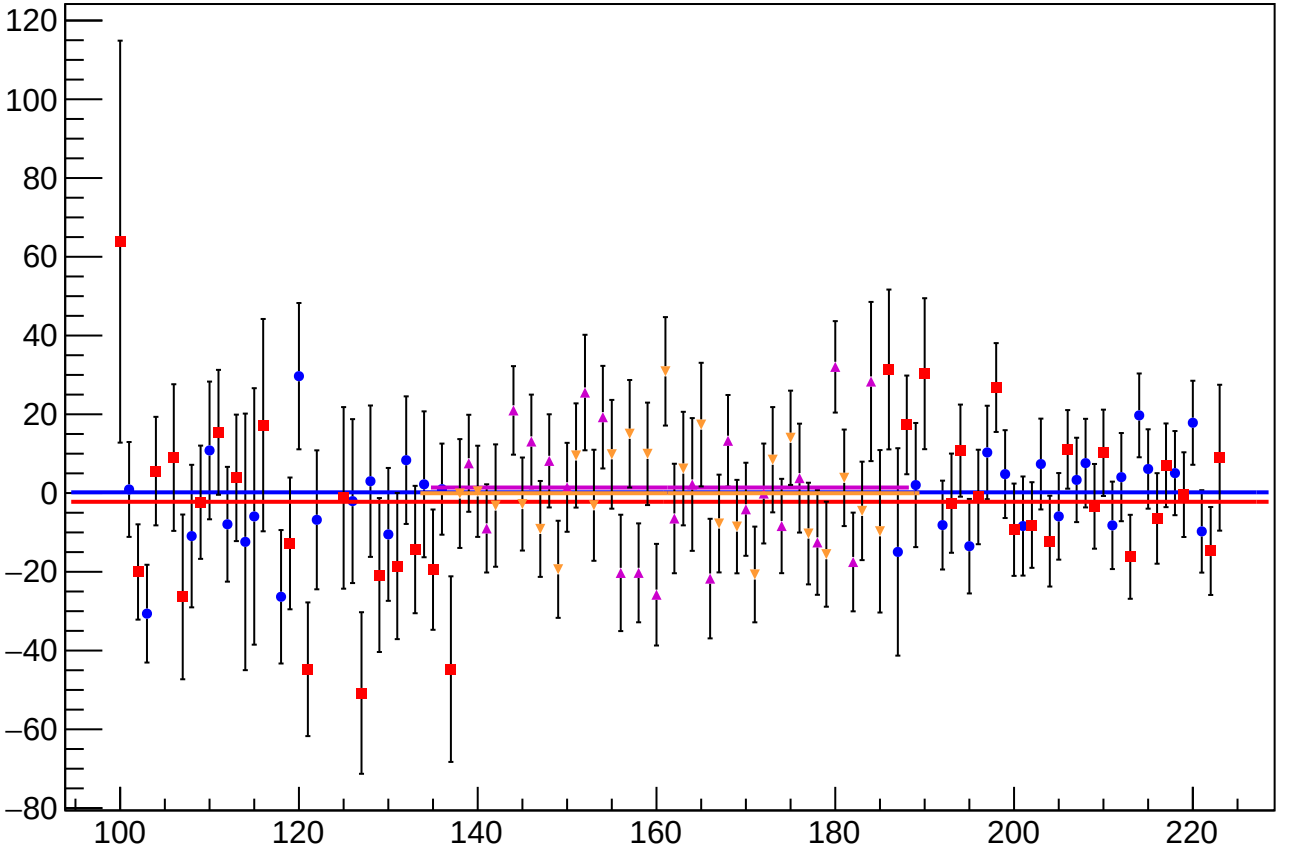
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 182.334+/-0.021 χ^2/NDF: 4480219.5/57

All: 178.694+/-0.015 χ^2/NDF: 9660730.4/117

- sign 175.276+/-0.020 χ^2/NDF: 5122496.9/59

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: 0.184+/-2.269 χ^2/NDF: 26.3/33

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -2.221+/-2.274 χ^2/NDF: 51.5/36

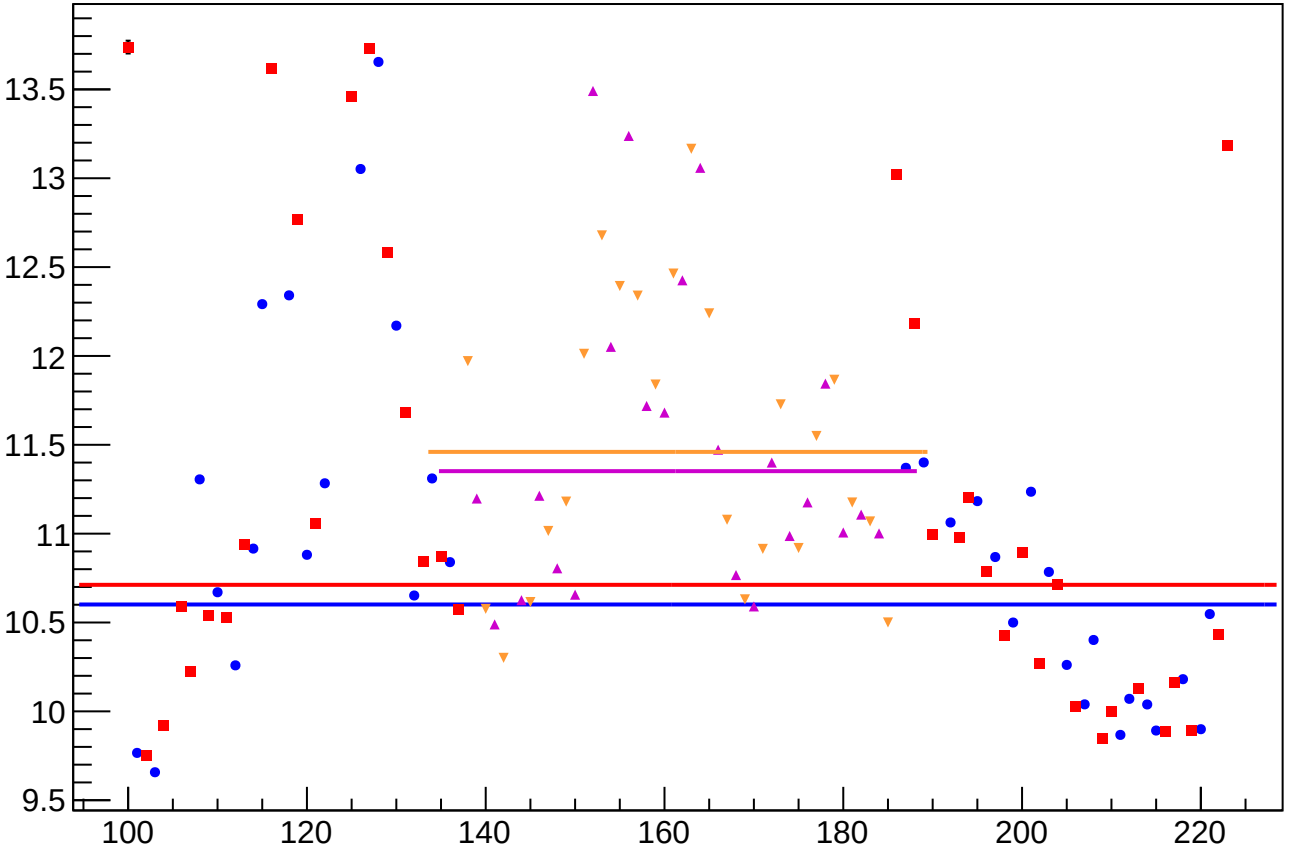
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.088+/-1.733 χ^2/NDF: 46.7/57

All: -0.306+/-1.225 χ^2/NDF: 135.7/117

- sign -0.699+/-1.732 χ^2/NDF: 88.9/59

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.601+/-0.002 χ^2/NDF: 224930.6/33

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.712+/-0.002 χ^2/NDF: 343198.6/36

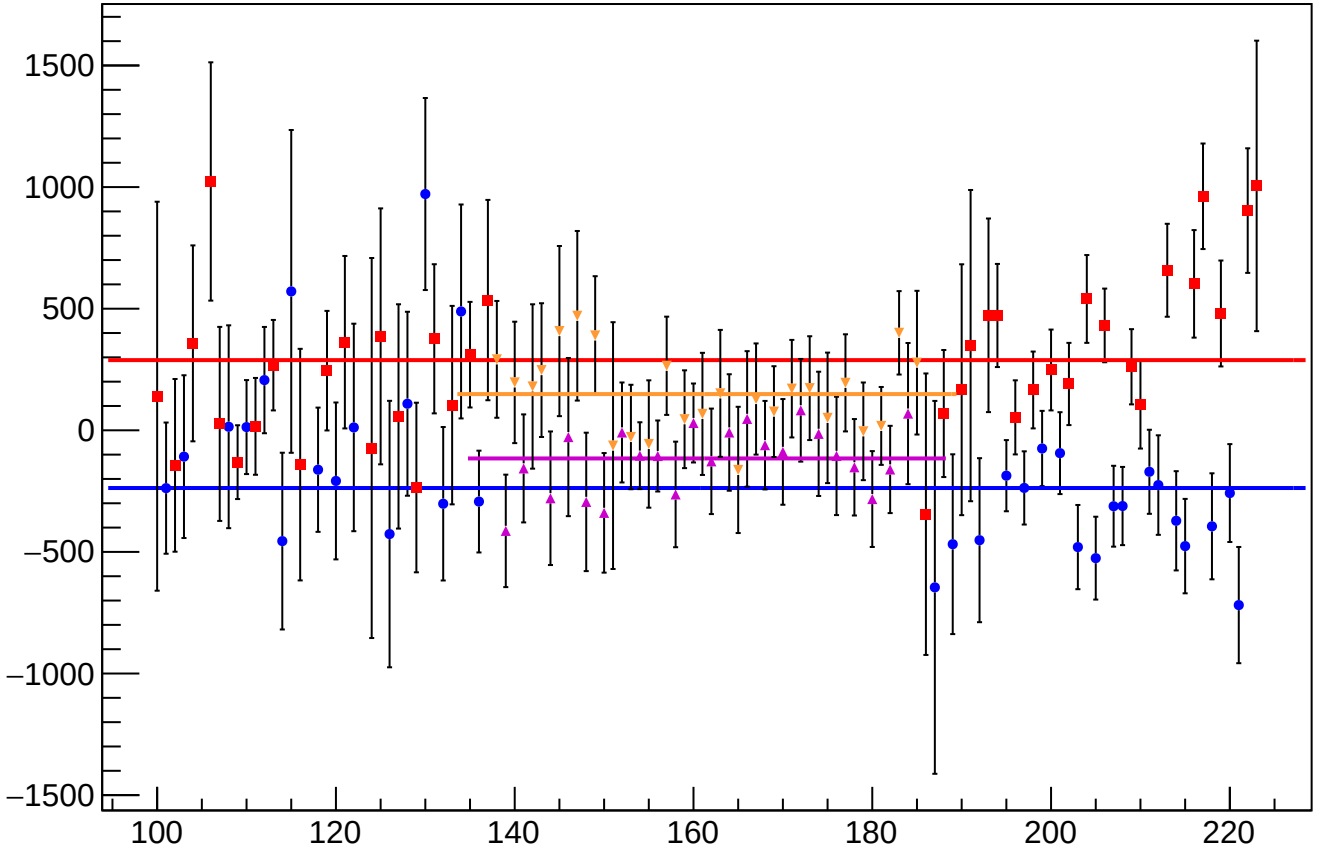
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 10.959+/-0.001 χ^2/NDF: 494686.8/57

All: 10.970+/-0.001 χ^2/NDF: 1075038.9/117

- sign 10.980+/-0.001 χ^2/NDF: 580201.7/59

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -237.287+/-38.610 χ^2/NDF: 36.7/33

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 288.546+/-38.464 χ^2/NDF: 51.6/38

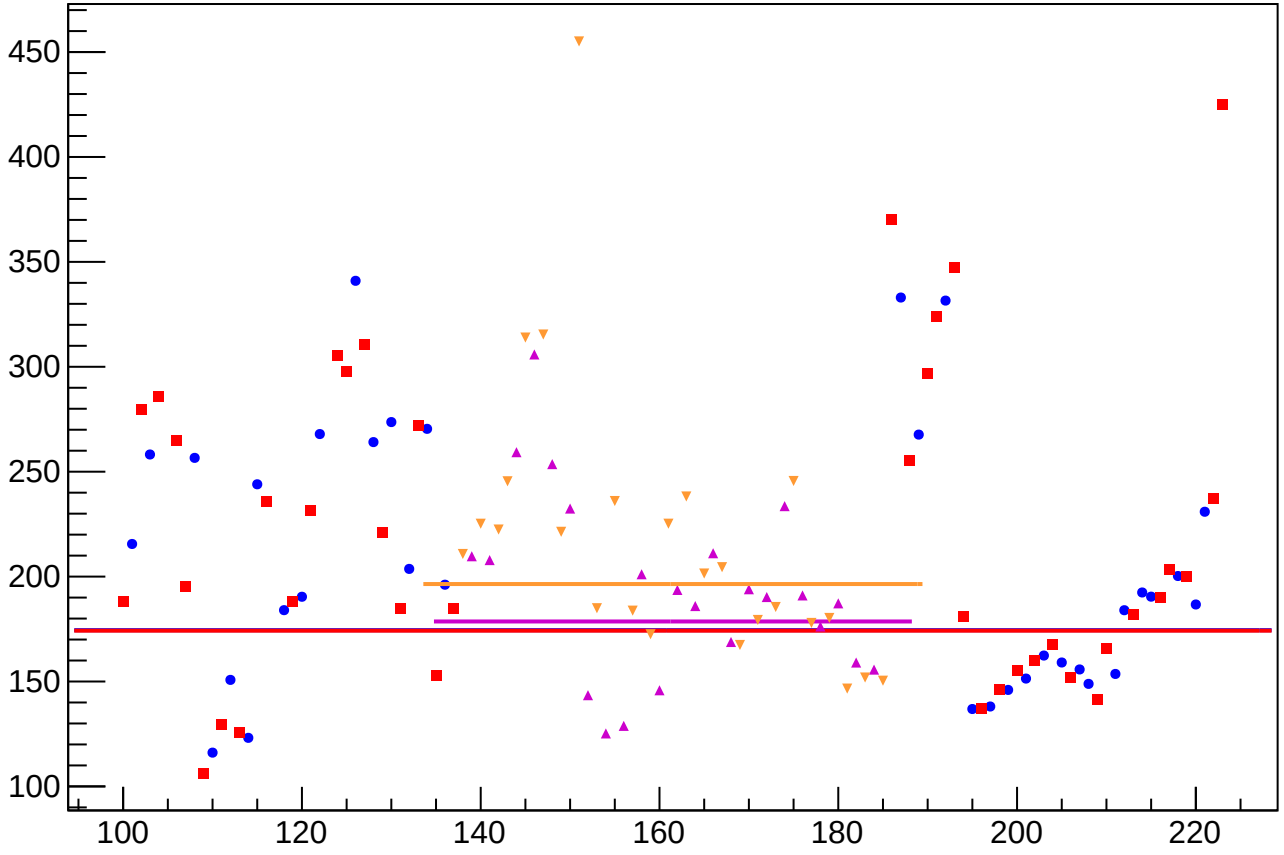
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -78.909+/-29.654 χ^2/NDF: 88.3/58

All: 19.050+/-20.681 χ^2/NDF: 217.2/120

- sign 111.805+/-28.856 χ^2/NDF: 107.7/61

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 174.460+/-0.027 χ^2/NDF: 2490427.4/33

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 174.230+/-0.027 χ^2/NDF: 3589509.6/38

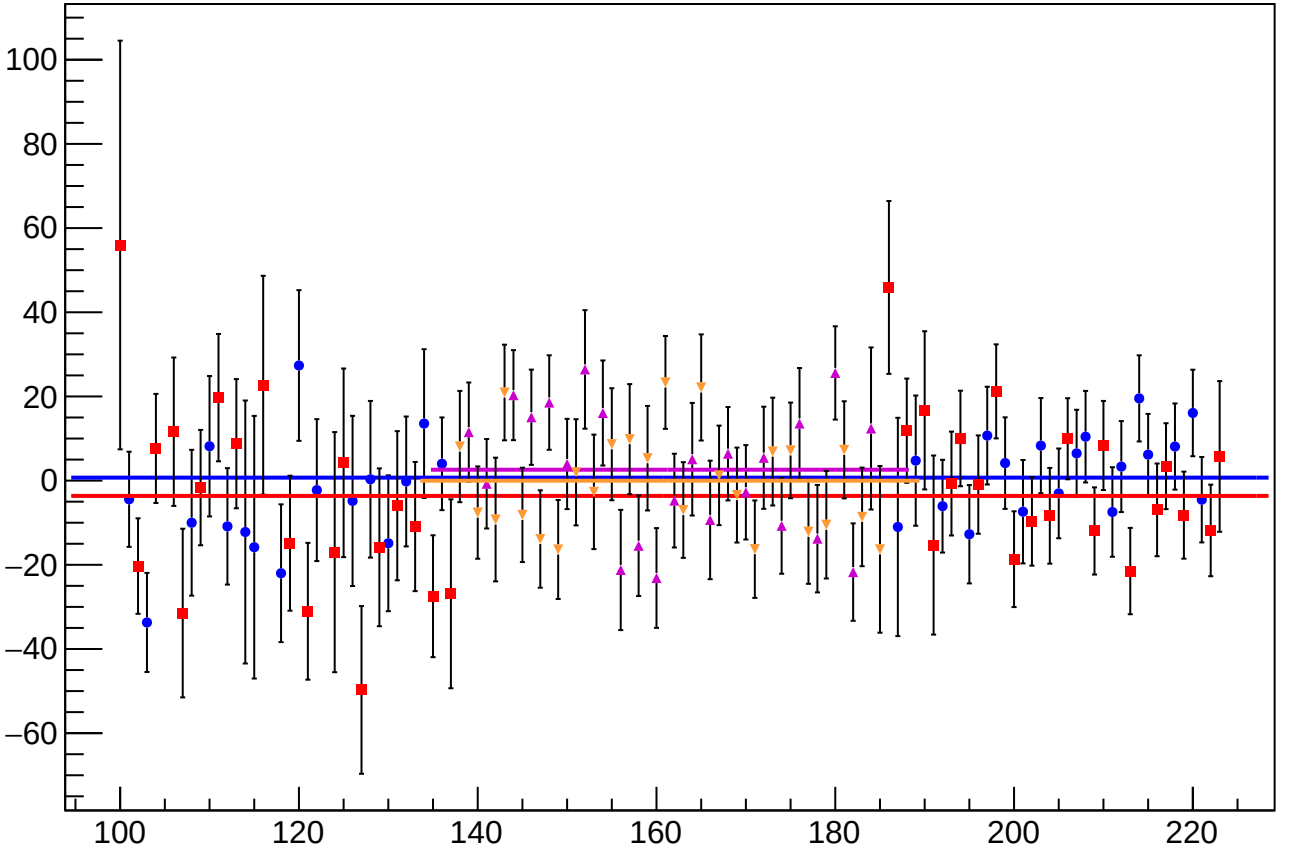
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 183.480+/-0.021 χ^2/NDF: 4575325.5/58

All: 179.713+/-0.015 χ^2/NDF: 9917882.3/120

- sign 176.147+/-0.020 χ^2/NDF: 5279728.9/61

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: 0.712+/-2.188 χ^2/NDF: 28.6/33

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.629+/-2.176 χ^2/NDF: 50.8/38

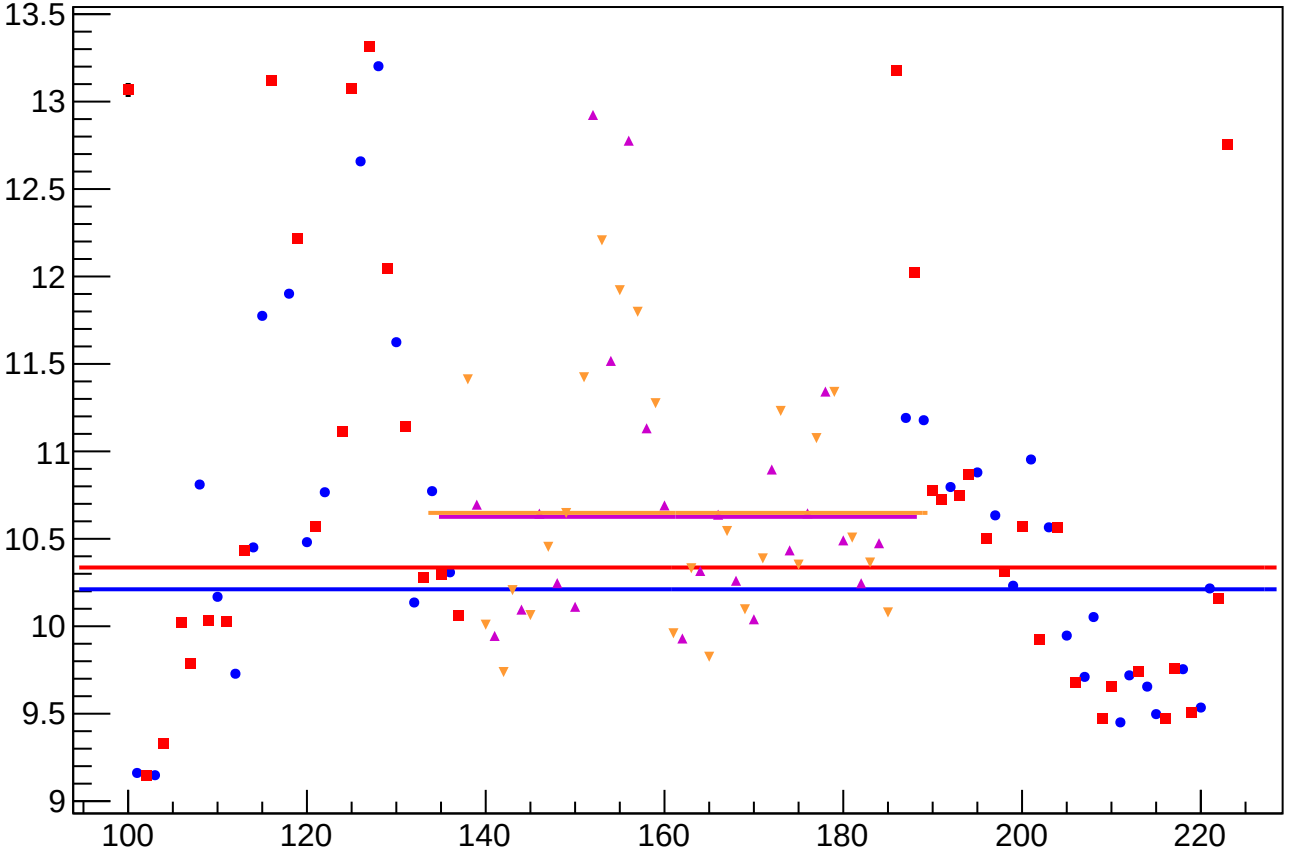
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign 0.388+/-1.630 χ^2/NDF: 52.4/58

All: -0.278+/-1.157 χ^2/NDF: 141.8/120

- sign -0.955+/-1.643 χ^2/NDF: 89.1/61

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.211+/-0.002 χ^2/NDF: 250948.8/33

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.336+/-0.002 χ^2/NDF: 388446.2/38

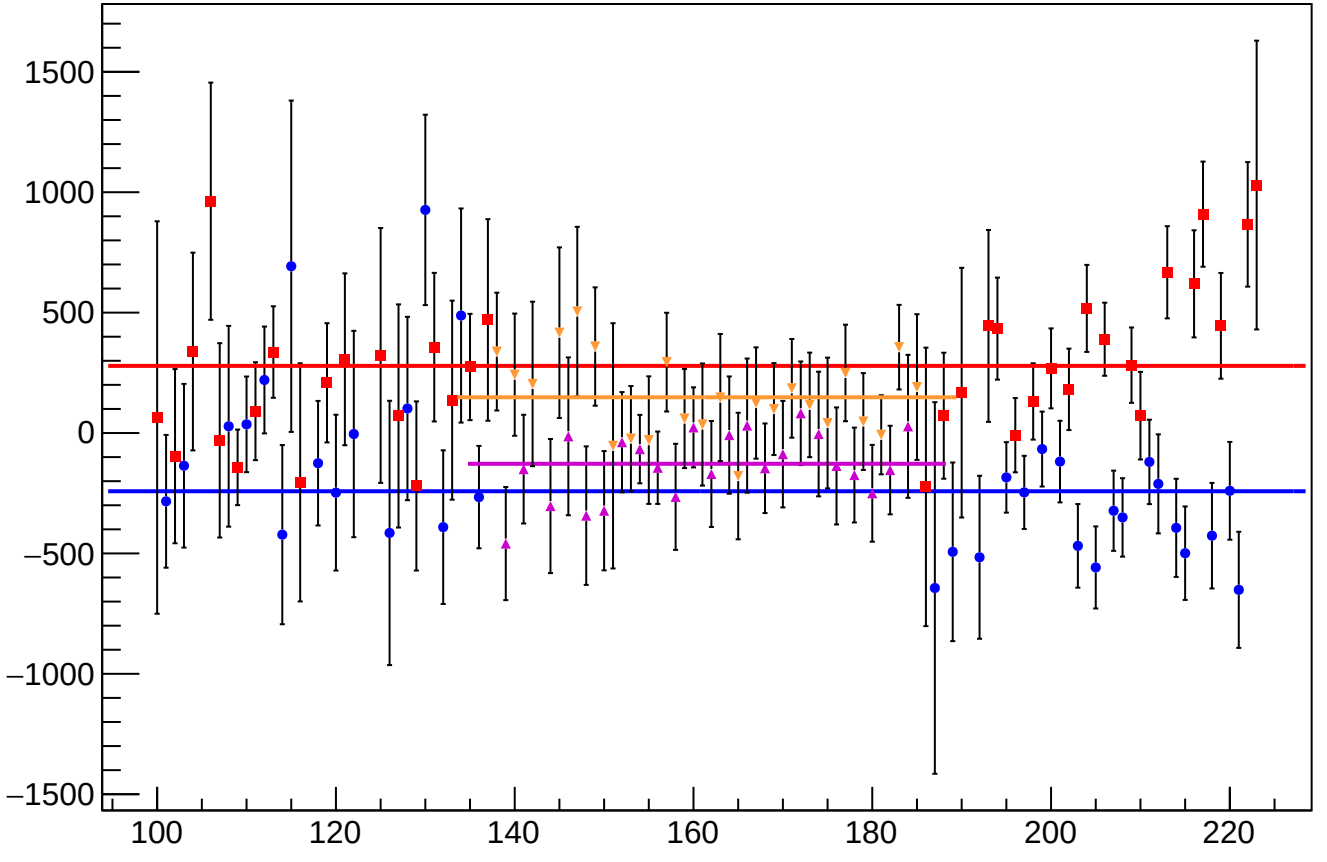
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.406+/-0.001 χ^2/NDF: 429952.4/58

All: 10.433+/-0.001 χ^2/NDF: 994298.9/120

- sign 10.461+/-0.001 χ^2/NDF: 563221.5/61

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -241.781+/-38.911 χ^2/NDF: 37.6/33

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 278.860+/-38.925 χ^2/NDF: 48.0/36

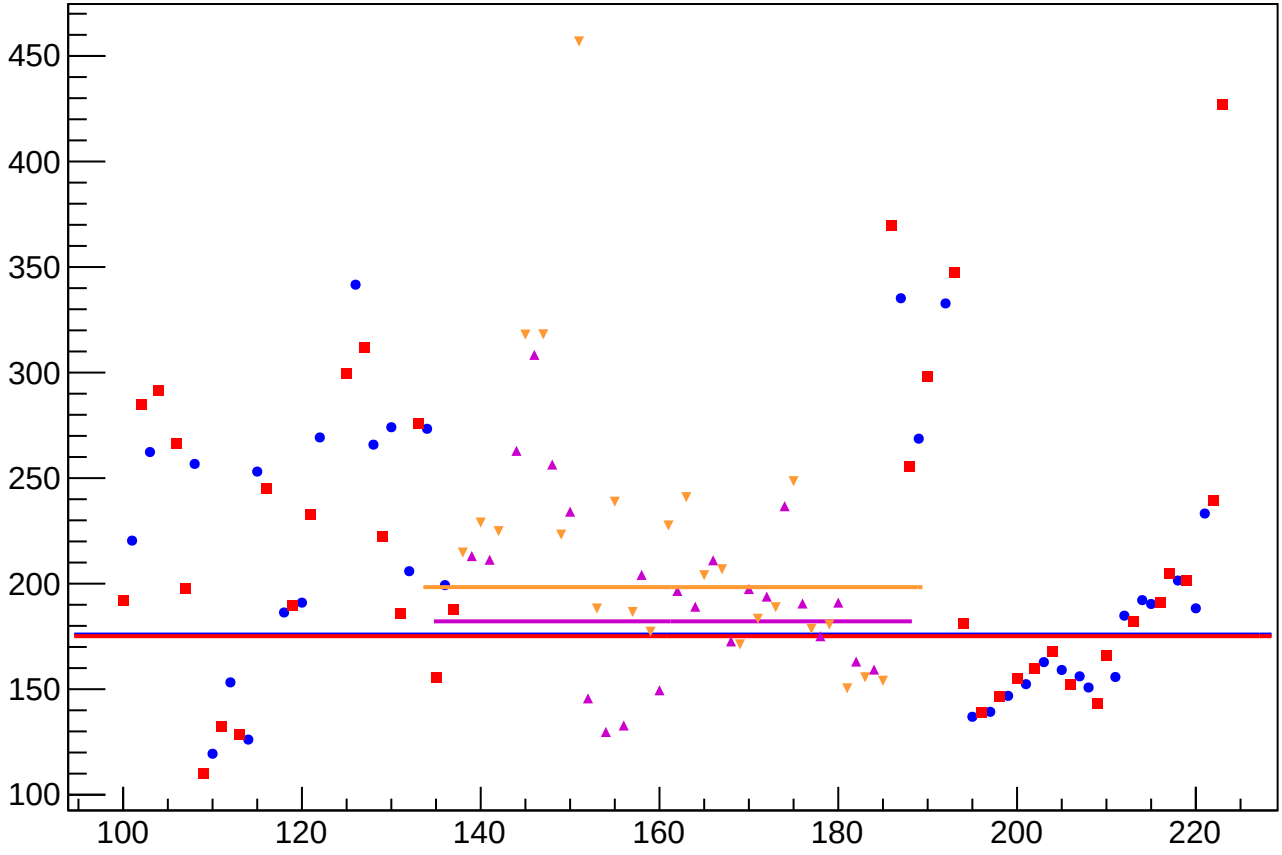
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

\+ sign -85.945+/-30.157 χ^2/NDF: 87.6/57

All: 10.961+/-21.006 χ^2/NDF: 210.9/117

\- sign 102.295+/-29.277 χ^2/NDF: 103.2/59

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 175.884+/-0.028 χ^2/NDF: 2473081.4/33

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 175.108+/-0.028 χ^2/NDF: 3351882.1/36

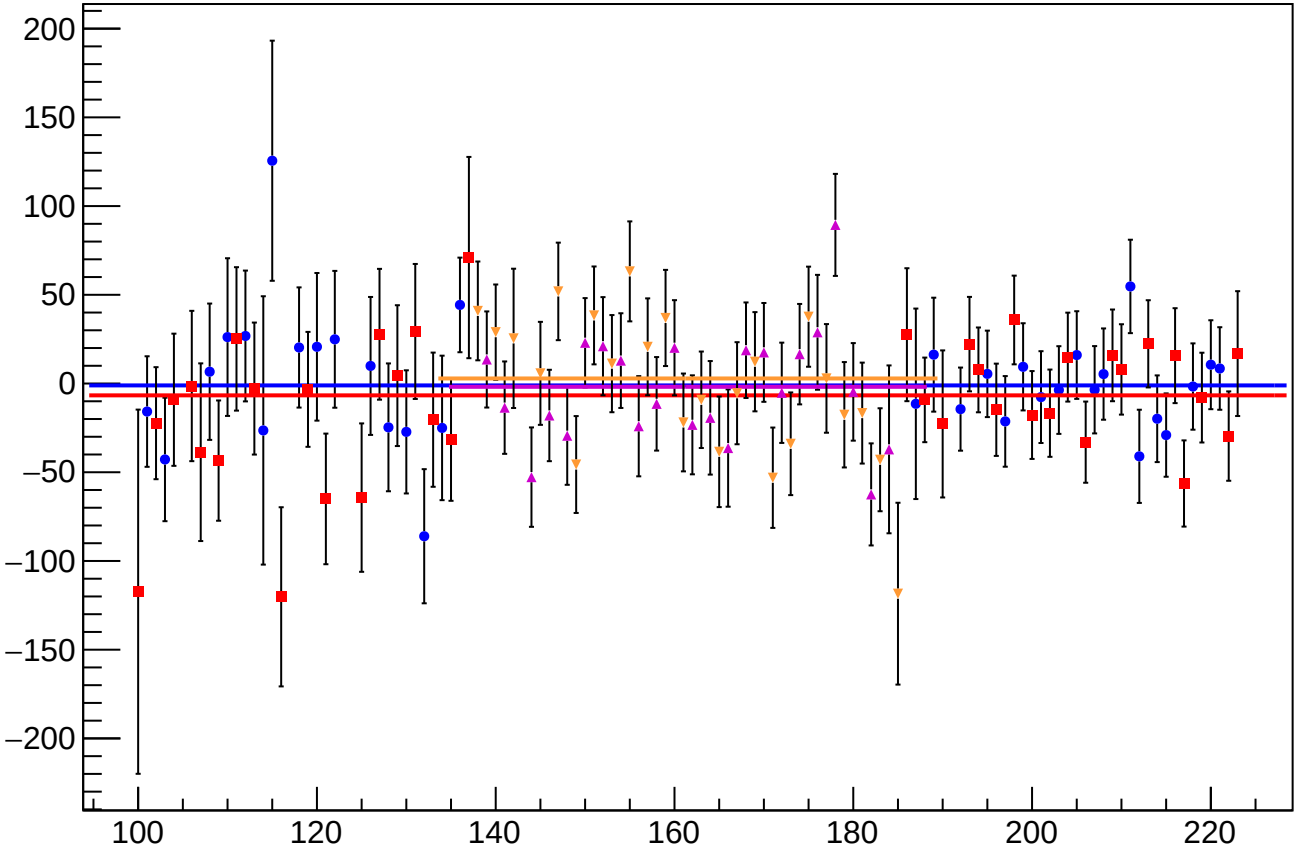
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 184.857+/-0.021 χ^2/NDF: 4436415.0/57

All: 181.412+/-0.015 χ^2/NDF: 9451756.9/117

- sign 178.166+/-0.021 χ^2/NDF: 4964667.9/59

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -1.064+/-5.081 χ^2/NDF: 28.1/33

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -6.669+/-5.040 χ^2/NDF: 34.1/36

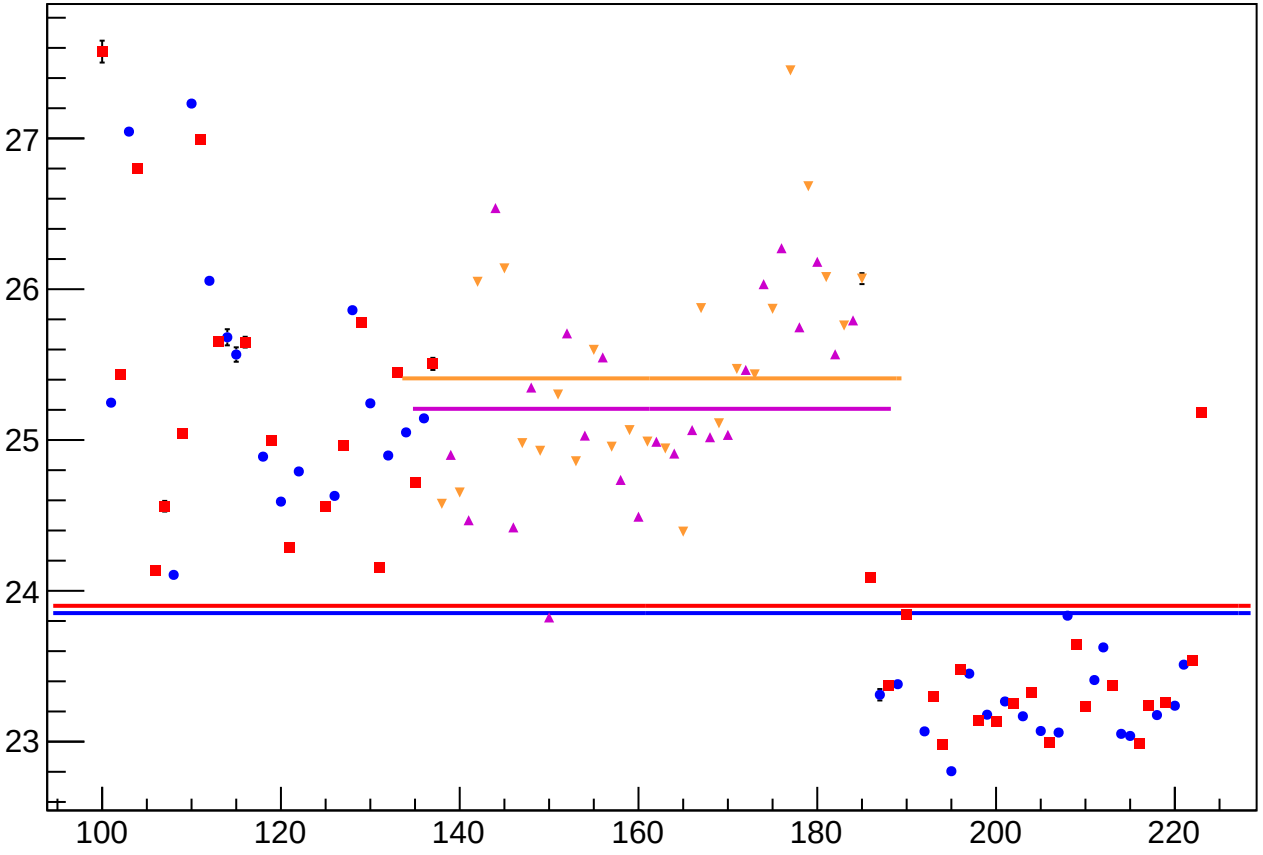
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.602+/-3.851 χ^2/NDF: 65.3/57

All: -2.030+/-2.716 χ^2/NDF: 128.8/117

- sign -4.633+/-3.830 χ^2/NDF: 62.6/59

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 23.852+/-0.004 χ^2/NDF: 87650.4/33

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.901+/-0.004 χ^2/NDF: 81495.9/36

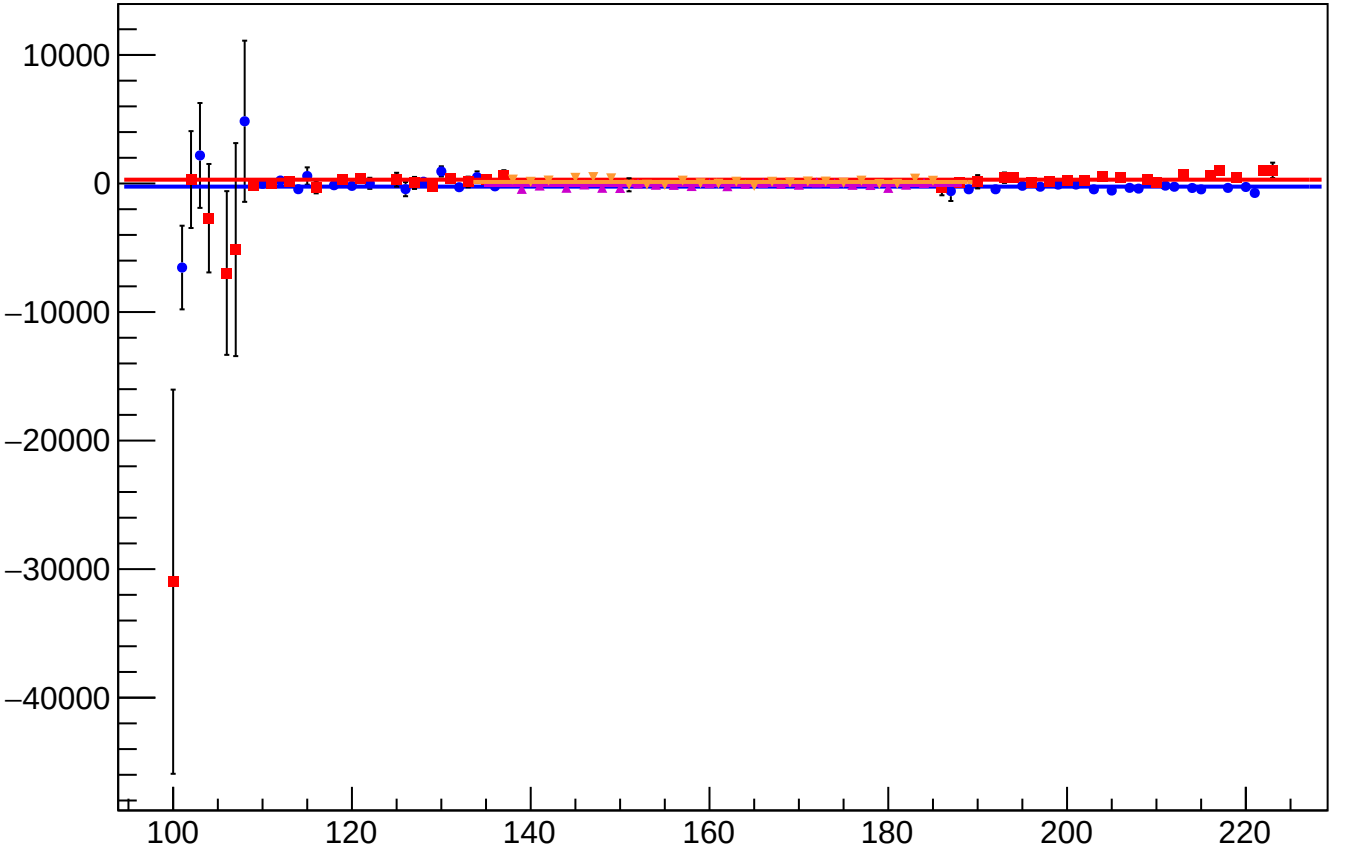
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.515+/-0.003 χ^2/NDF: 194358.8/57

All: 24.483+/-0.002 χ^2/NDF: 358697.1/117

- sign 24.452+/-0.003 χ^2/NDF: 164076.5/59

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -242.751+/-40.315 χ^2/NDF: 40.1/33

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 297.524+/-40.789 χ^2/NDF: 55.4/36

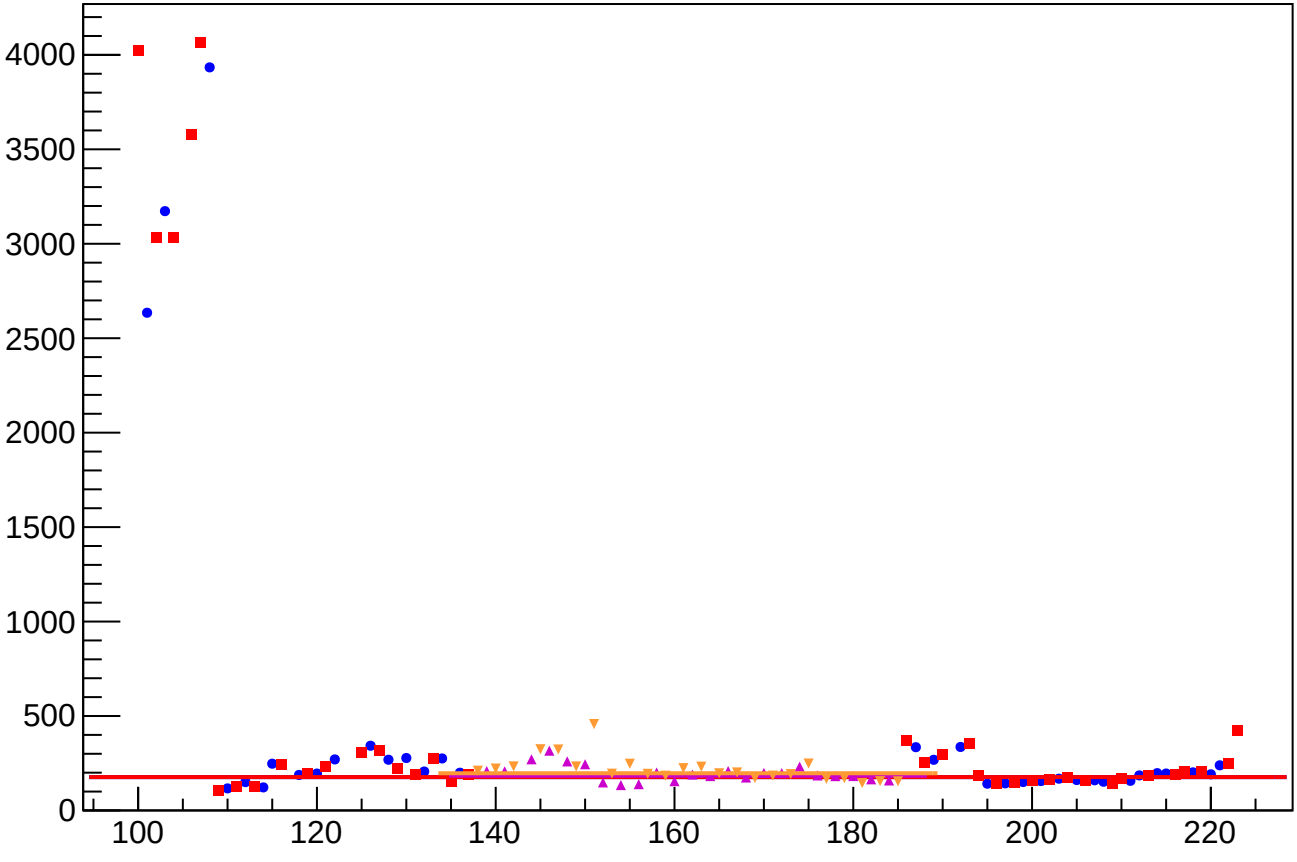
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -90.542+/-30.721 χ^2/NDF: 86.0/57

All: 11.548+/-21.521 χ^2/NDF: 218.1/117

- sign 109.924+/-30.156 χ^2/NDF: 110.4/59

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 176.412+/-0.029 χ^2/NDF: 5129681.4/33

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 176.614+/-0.029 χ^2/NDF: 6040644.3/36

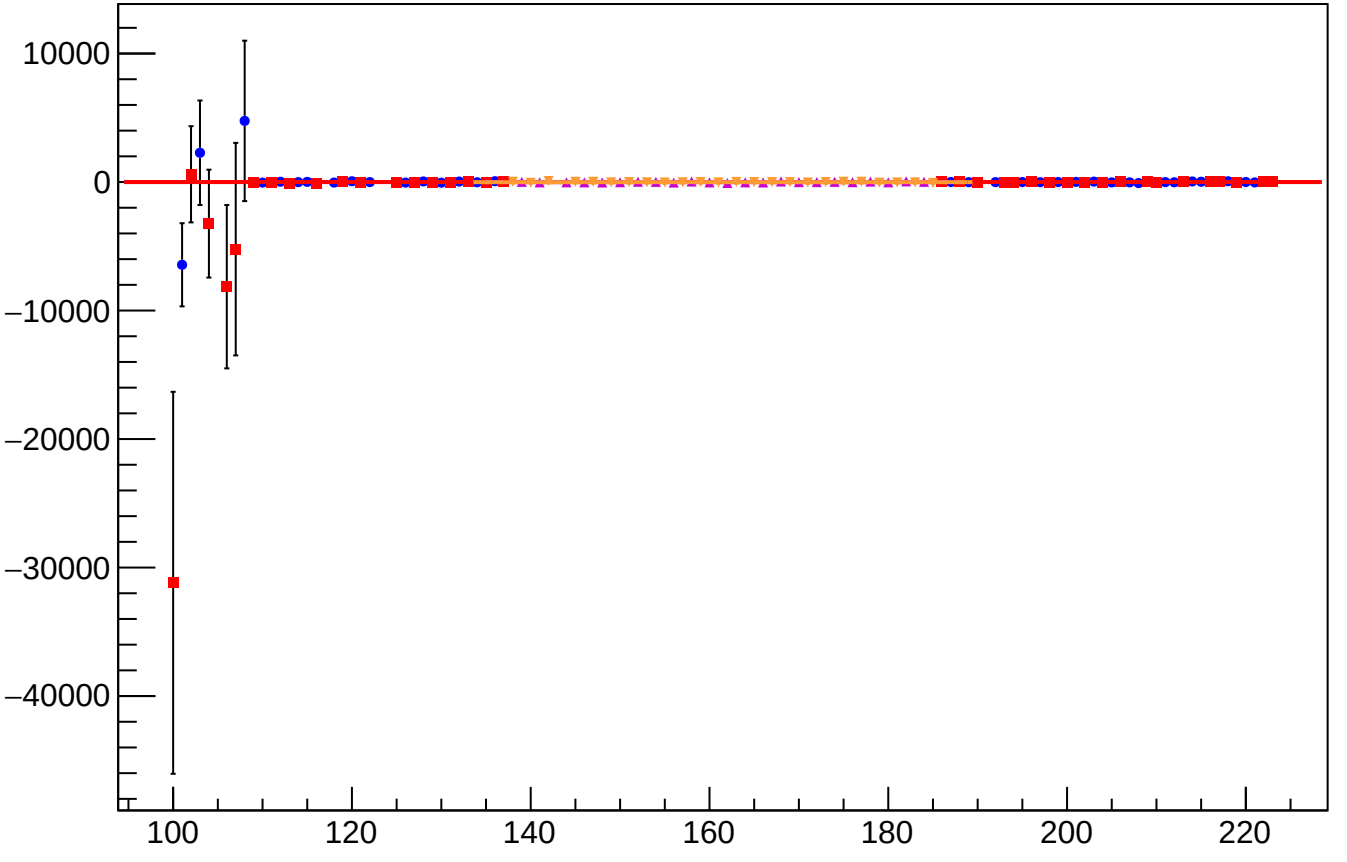
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 185.018+/-0.022 χ^2/NDF: 7156282.2/57

All: 182.455+/-0.015 χ^2/NDF: 14699834.9/11

- sign 179.986+/-0.021 χ^2/NDF: 7516216.9/59

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 0.545+/-6.048 χ^2/NDF: 39.2/33

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 0.235+/-6.105 χ^2/NDF: 45.0/36

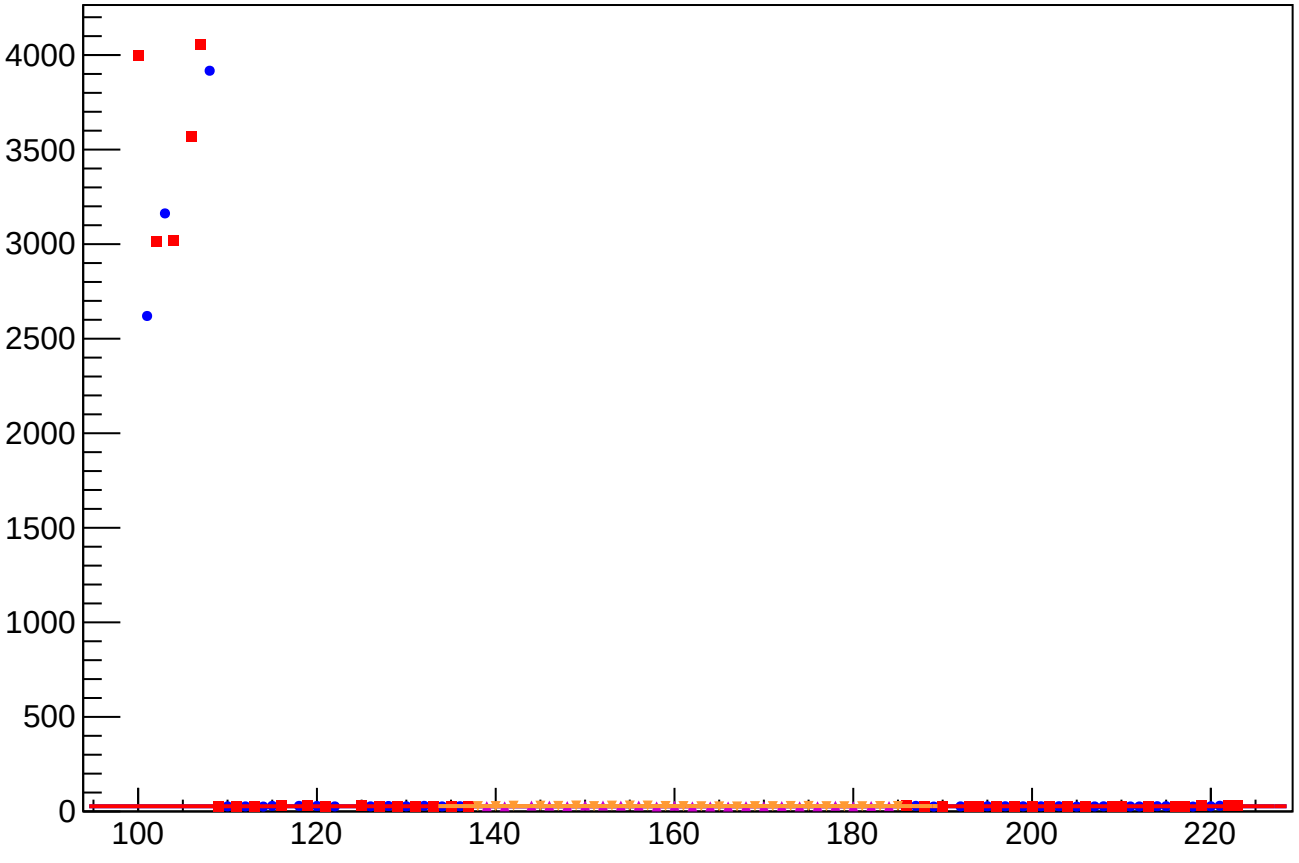
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -4.729+/-4.475 χ^2/NDF: 58.4/57

All: -2.901+/-3.181 χ^2/NDF: 126.0/117

- sign -1.034+/-4.522 χ^2/NDF: 67.3/59

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.317+/-0.004 χ^2/NDF: 3312689.9/33

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.541+/-0.004 χ^2/NDF: 3677366.7/36

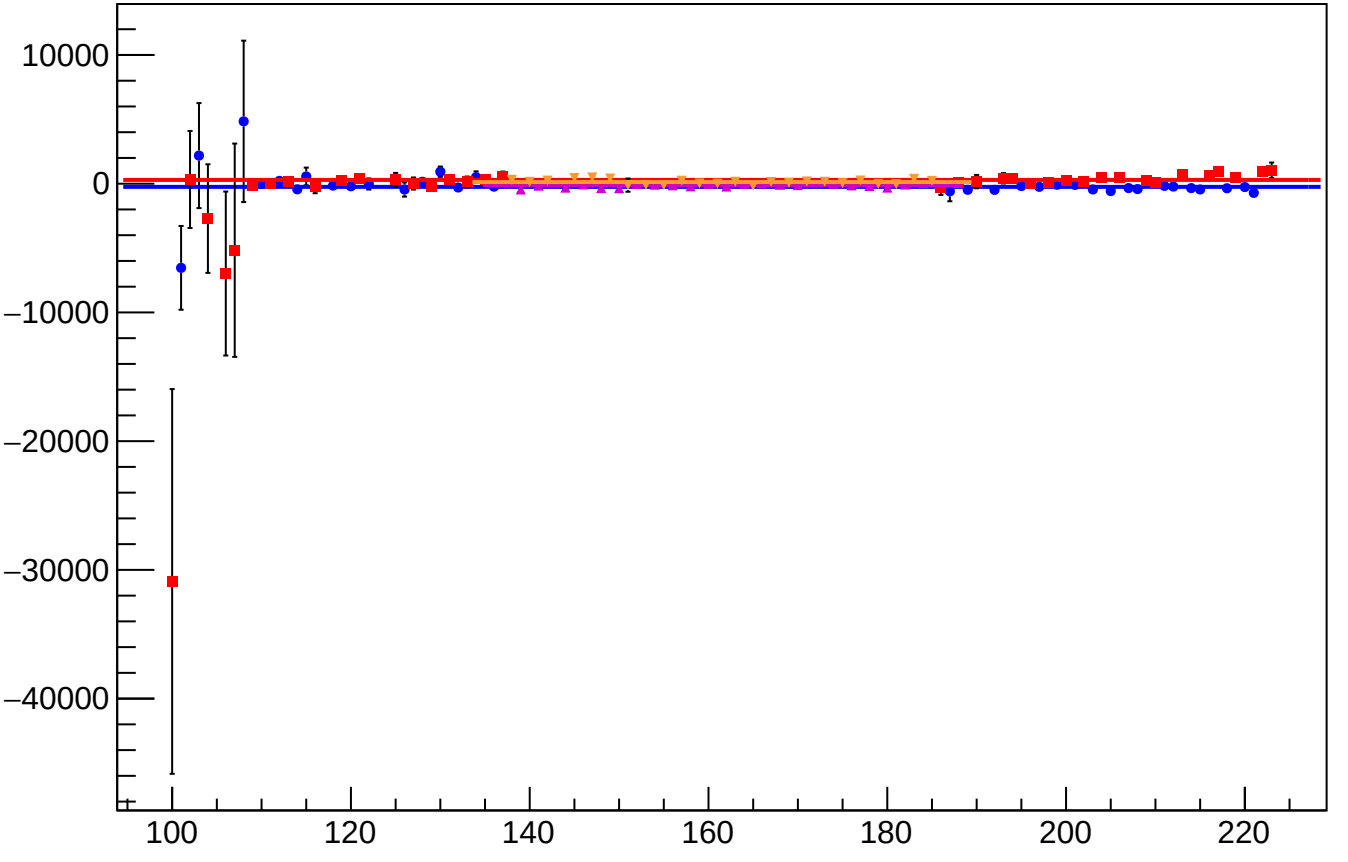
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.894+/-0.003 χ^2/NDF: 3433896.9/57

All: 27.984+/-0.002 χ^2/NDF: 7274397.6/117

\- sign 28.076+/-0.003 χ^2/NDF: 3838862.5/59

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -245.780+/-40.485 χ^2/NDF: 39.7/33

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 294.568+/-40.953 χ^2/NDF: 53.5/36

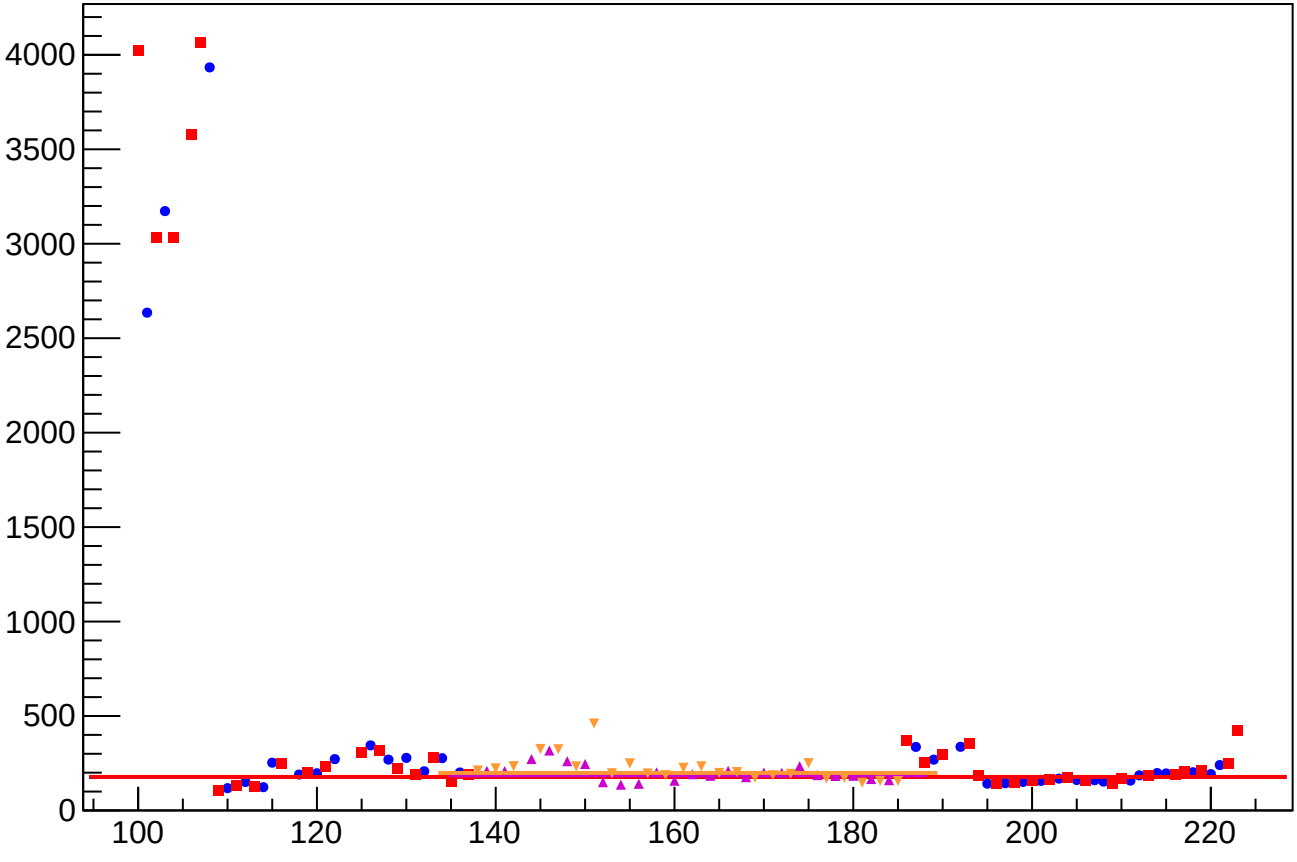
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -90.525+/-30.908 χ^2/NDF: 86.5/57

All: 9.734+/-21.655 χ^2/NDF: 215.6/117

- sign 106.399+/-30.348 χ^2/NDF: 108.4/59

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 177.175+/-0.029 χ^2/NDF: 5124879.3/33

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 177.361+/-0.029 χ^2/NDF: 6028574.6/36

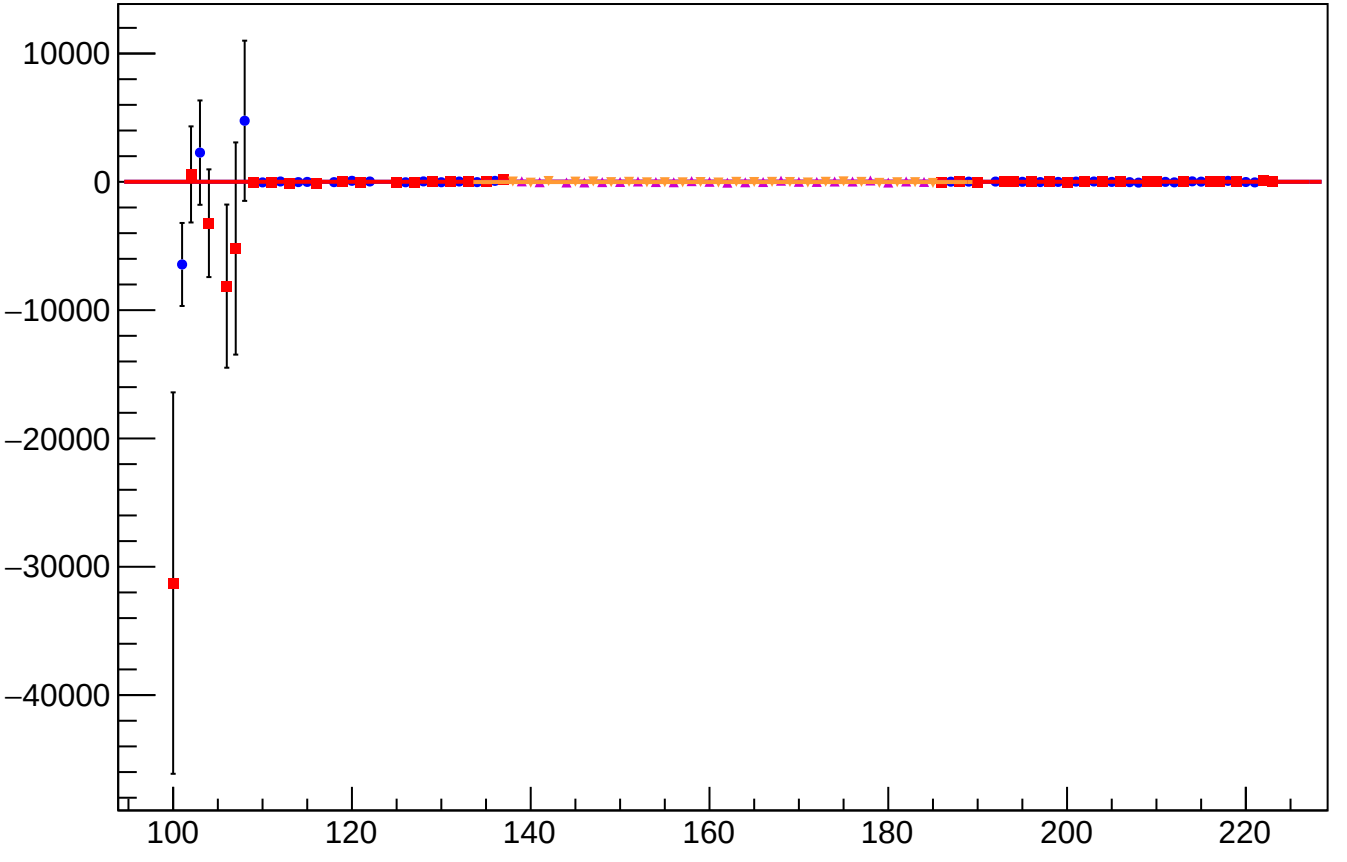
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 186.170+/-0.022 χ^2/NDF: 7147939.7/57

All: 183.638+/-0.015 χ^2/NDF: 14647333.5/11

- sign 181.198+/-0.021 χ^2/NDF: 7473042.5/59

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 4.341+/-6.661 χ^2/NDF: 34.0/33

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 5.326+/-6.718 χ^2/NDF: 48.8/36

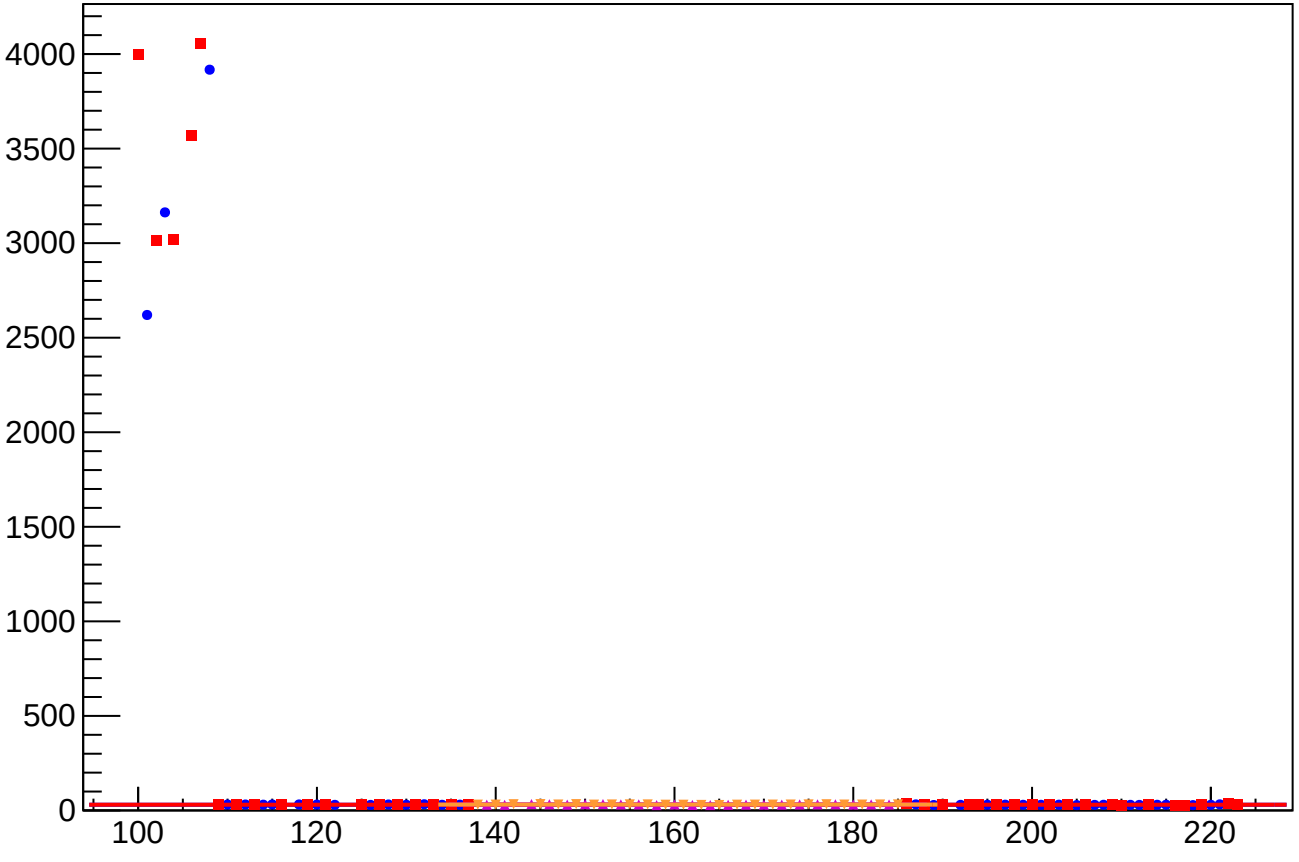
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -5.956+/-4.908 χ^2/NDF: 59.6/57

All: -0.962+/-3.488 χ^2/NDF: 146.1/117

- sign 4.134+/-4.958 χ^2/NDF: 84.4/59

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.094+/-0.005 χ^2/NDF: 3291931.0/33

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.334+/-0.005 χ^2/NDF: 3625556.9/36

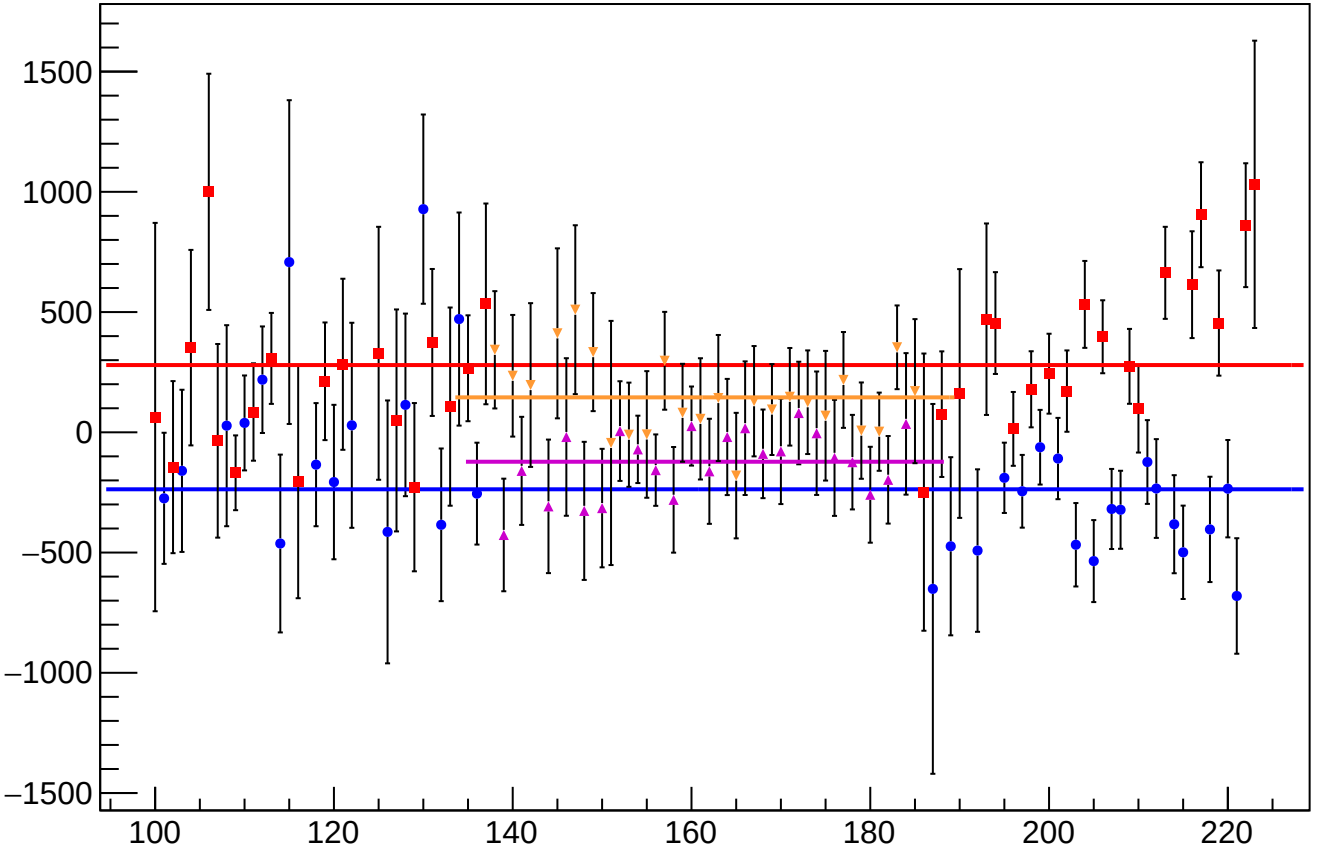
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 30.609+/-0.003 χ^2/NDF: 3365536.1/57

All: 30.709+/-0.002 χ^2/NDF: 7100031.5/117

\- sign 30.810+/-0.004 χ^2/NDF: 3732843.4/59

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -236.955+/-38.798 χ^2/NDF: 37.4/33

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 279.661+/-38.802 χ^2/NDF: 49.2/36

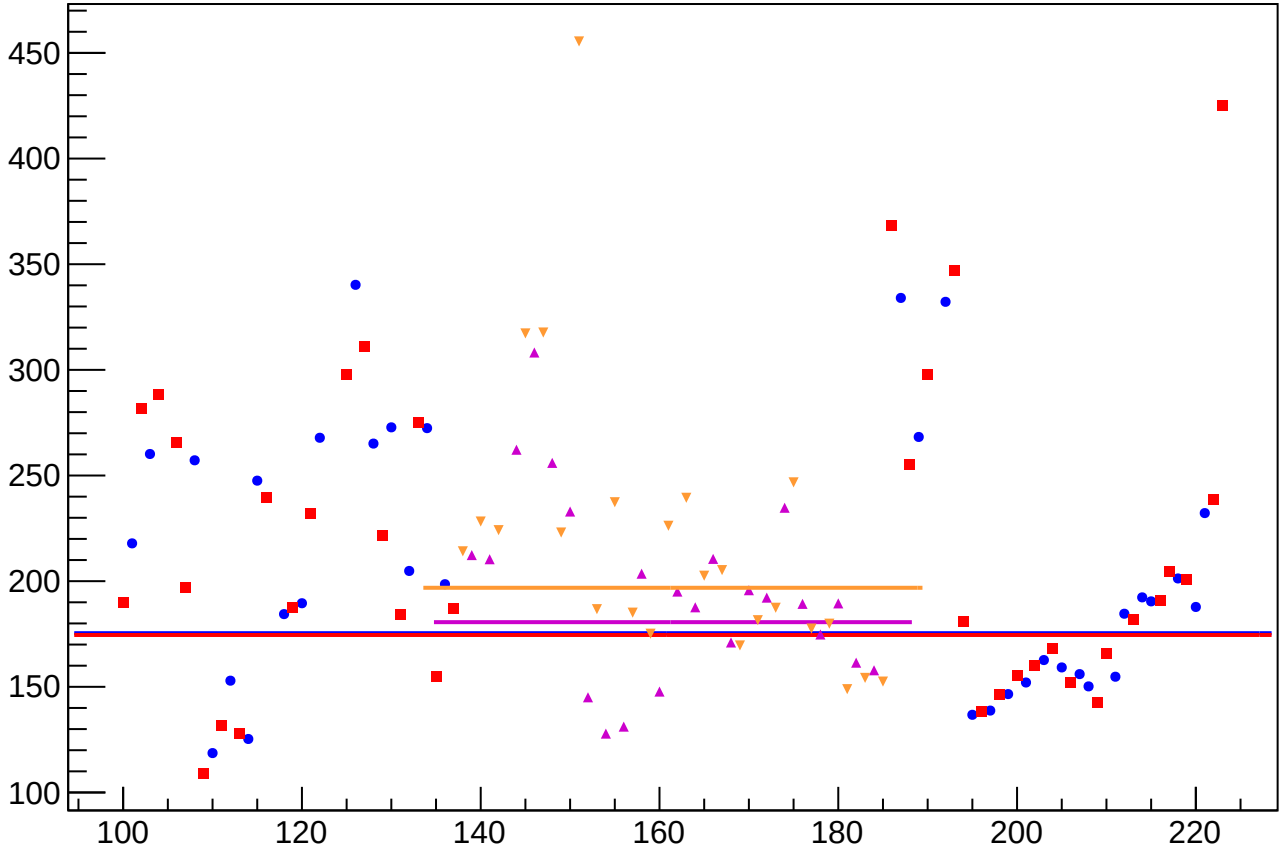
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -83.557+/-30.020 χ^2/NDF: 85.7/57

All: 13.132+/-20.904 χ^2/NDF: 209.8/117

\- sign 104.145+/-29.126 χ^2/NDF: 104.0/59

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 175.375+/-0.027 χ^2/NDF: 2466399.7/33

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 174.538+/-0.027 χ^2/NDF: 3349261.2/36

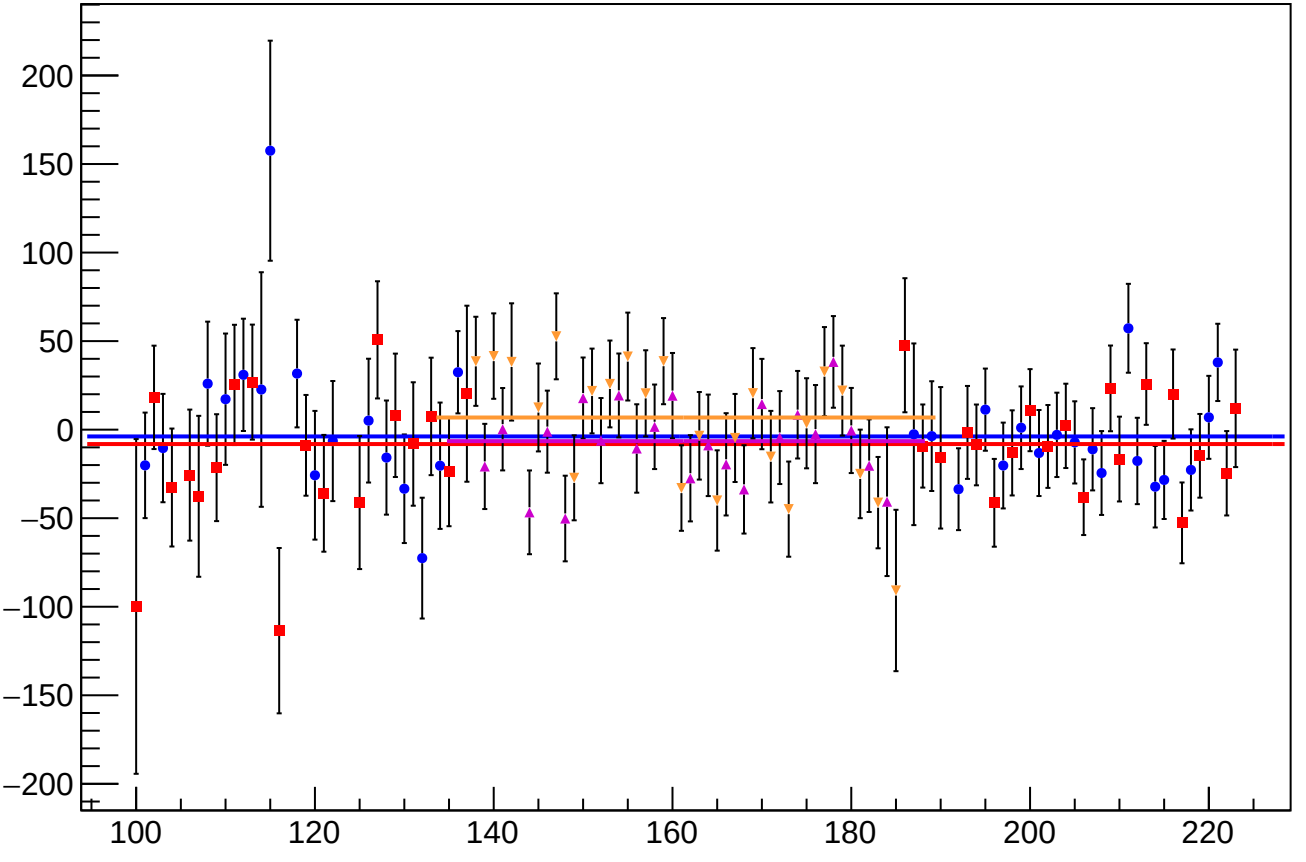
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 184.002+/-0.021 χ^2/NDF: 4437920.7/57

All: 180.490+/-0.015 χ^2/NDF: 9489687.0/117

- sign 177.185+/-0.021 χ^2/NDF: 4998650.8/59

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -3.831+/-4.716 χ^2/NDF: 36.3/33

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -8.135+/-4.694 χ^2/NDF: 33.0/36

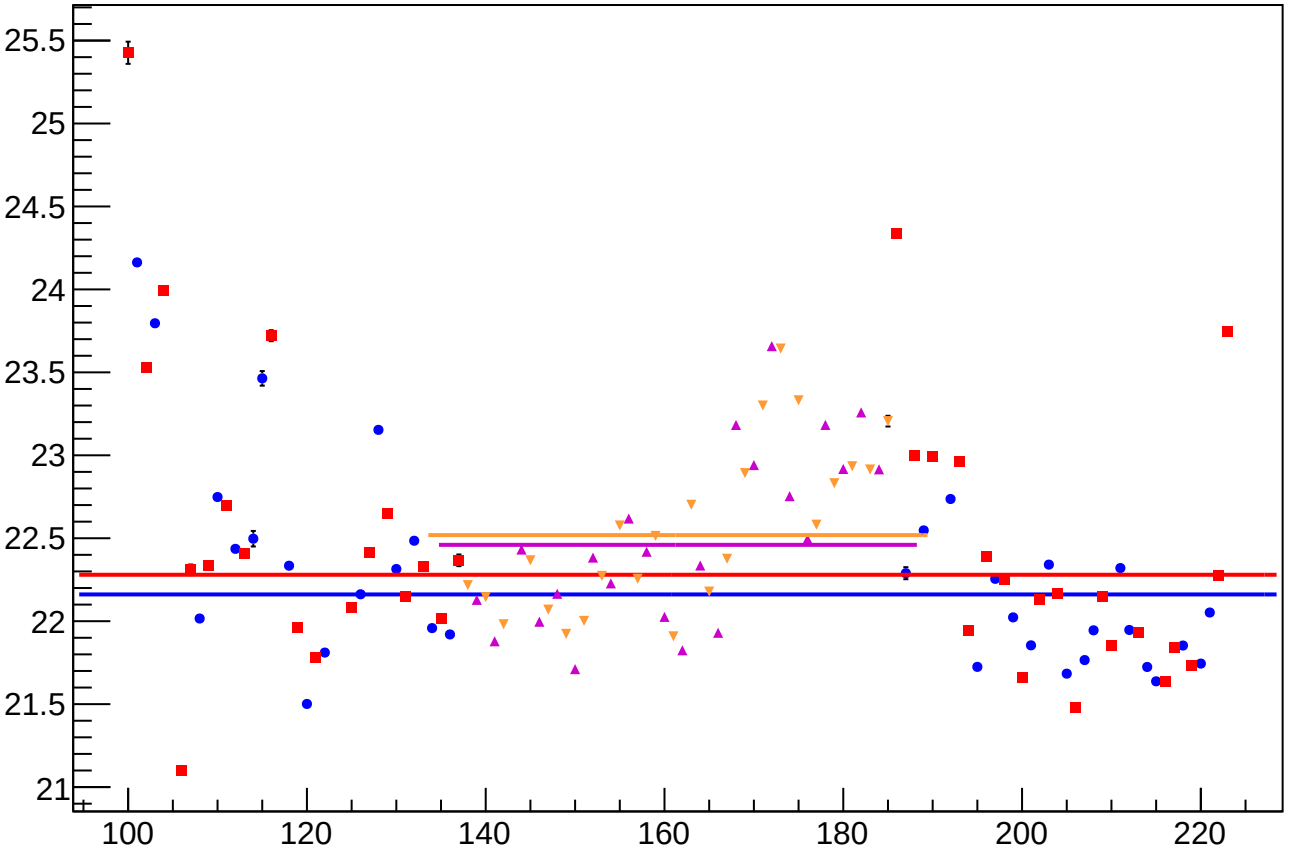
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 0.964+/-3.502 χ^2/NDF: 75.4/57

All: -3.222+/-2.475 χ^2/NDF: 128.7/117

- sign -7.400+/-3.498 χ^2/NDF: 50.5/59

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.161+/-0.003 χ^2/NDF: 27220.7/33

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.280+/-0.003 χ^2/NDF: 39451.1/36

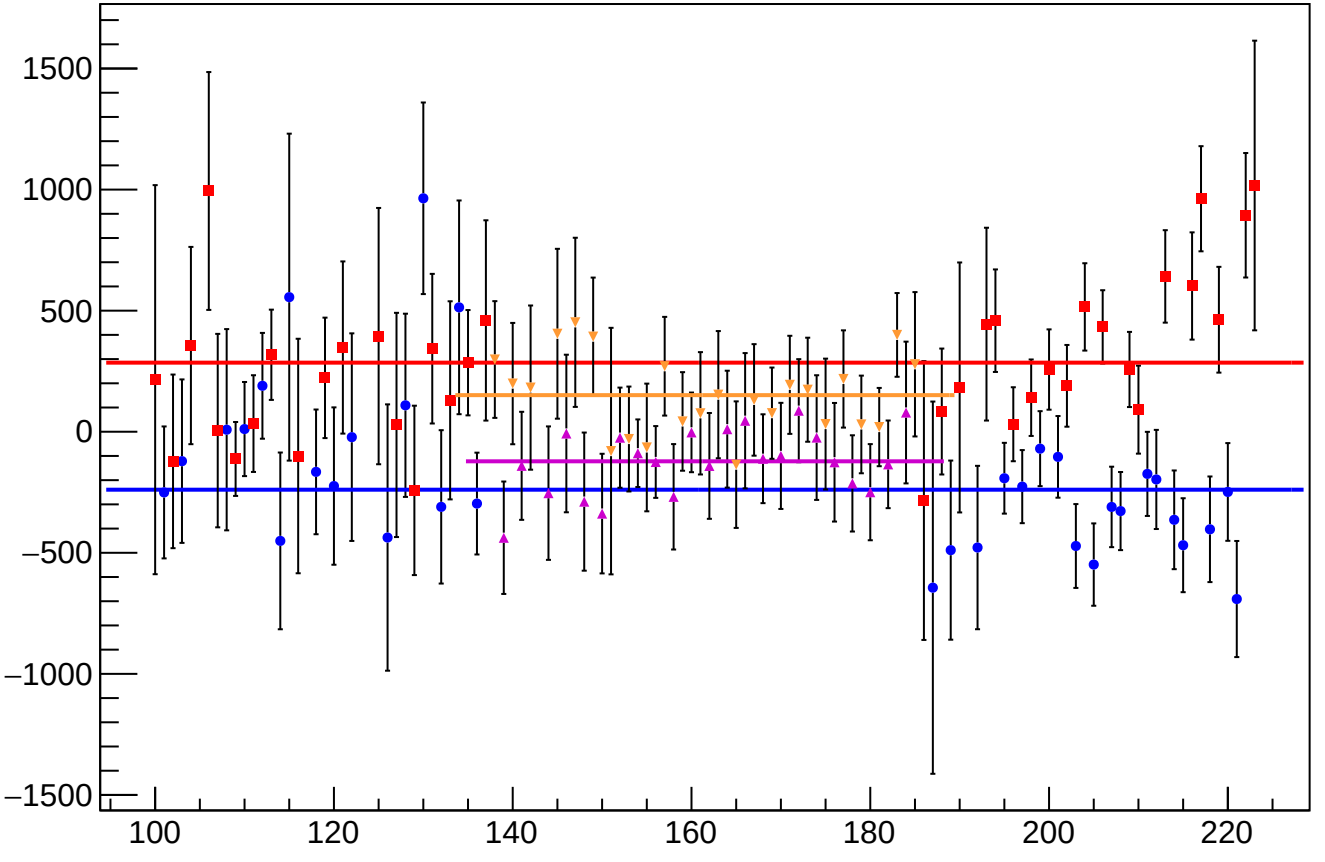
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.322+/-0.002 χ^2/NDF: 48379.7/57

All: 22.341+/-0.002 χ^2/NDF: 108379.6/117

- sign 22.360+/-0.002 χ^2/NDF: 59880.0/59

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -239.397+/-38.687 χ^2/NDF: 36.2/33

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 285.296+/-38.651 χ^2/NDF: 49.2/36

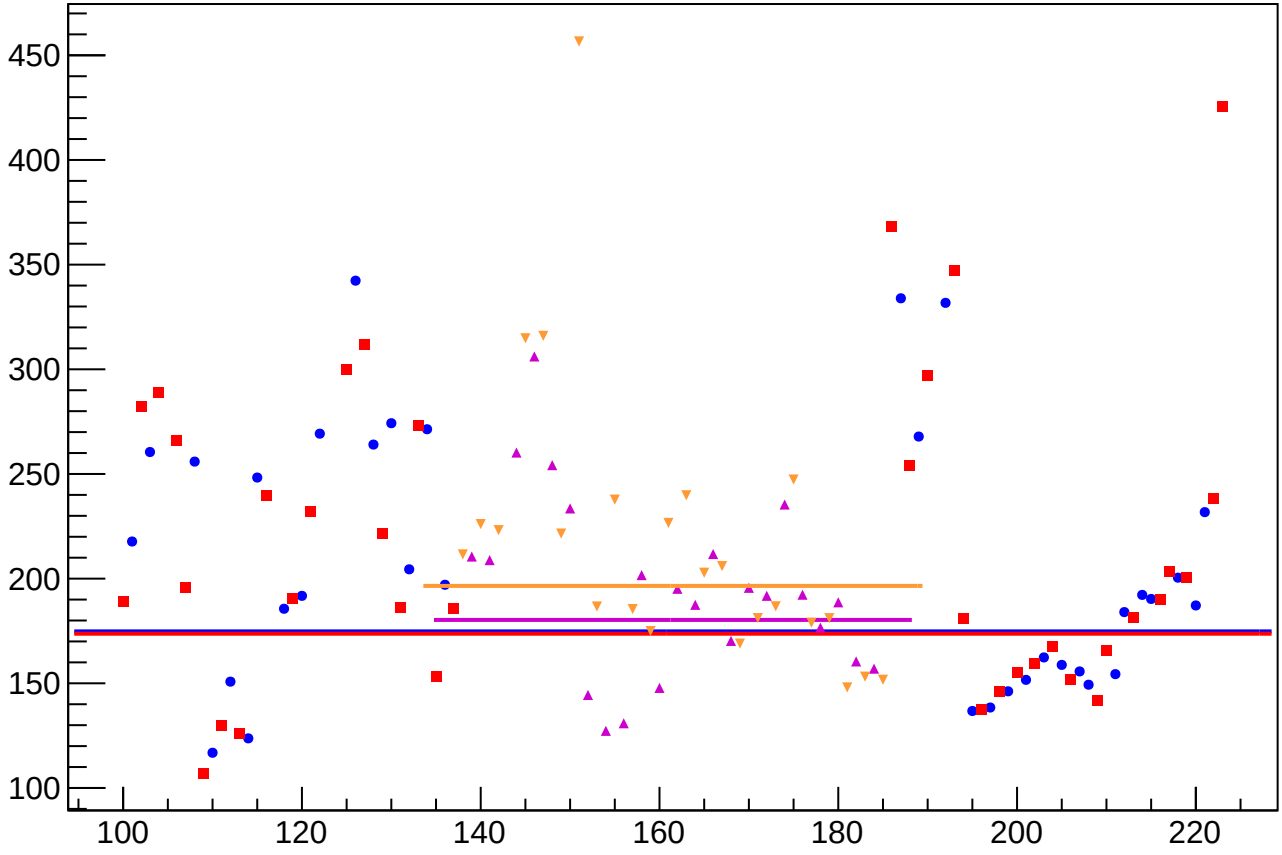
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

\+ sign -82.934+/-29.950 χ^2/NDF: 87.0/57

All: 15.403+/-20.849 χ^2/NDF: 212.9/117

\- sign 107.855+/-29.040 χ^2/NDF: 105.1/59

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 174.799+/-0.027 χ^2/NDF: 2499114.6/33

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 173.692+/-0.027 χ^2/NDF: 3424423.3/36

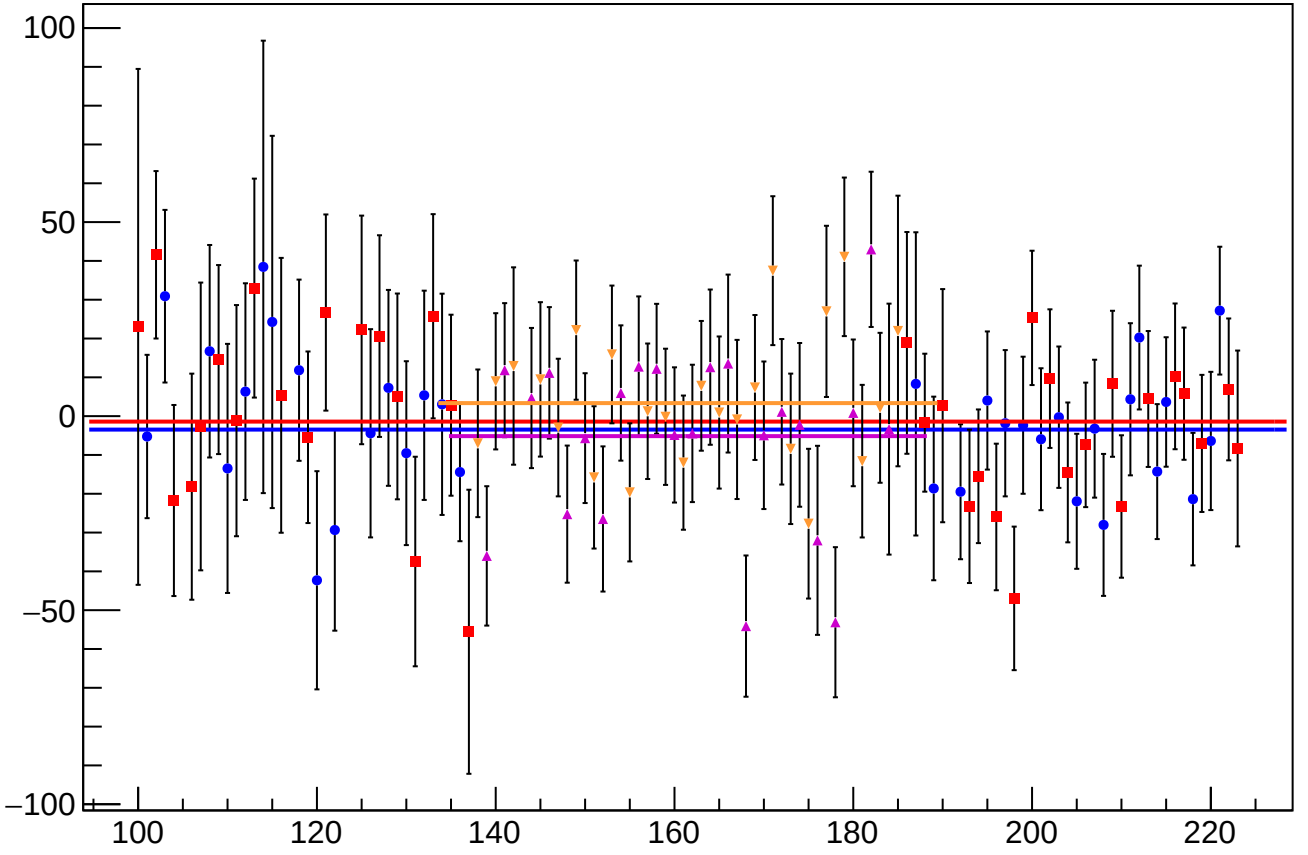
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 183.507+/-0.021 χ^2/NDF: 4479913.0/57

All: 179.926+/-0.015 χ^2/NDF: 9609775.8/117

\- sign 176.558+/-0.021 χ^2/NDF: 5074368.3/59

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.466+/-3.609 χ^2/NDF: 19.6/33

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.406+/-3.590 χ^2/NDF: 31.2/36

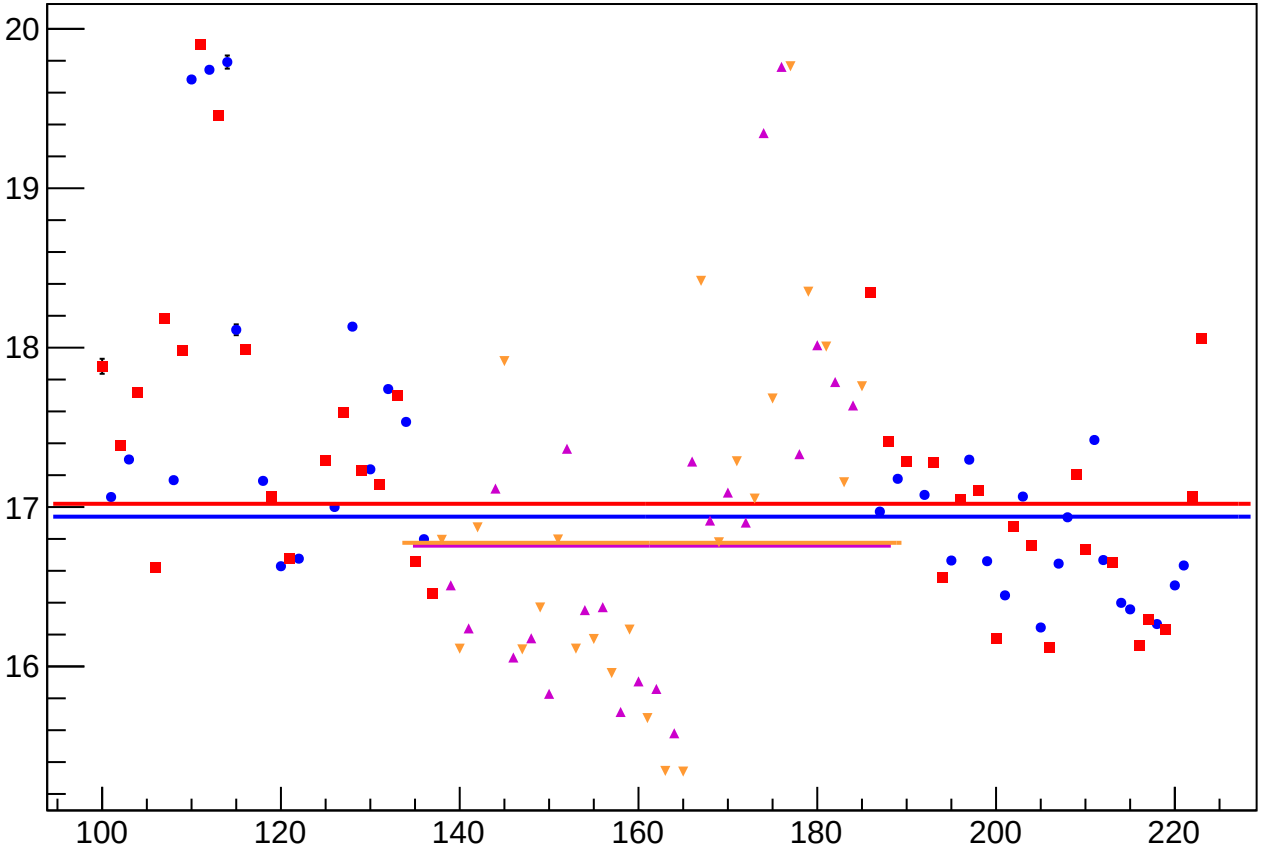
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.321+/-2.650 χ^2/NDF: 38.9/57

All: -1.718+/-1.874 χ^2/NDF: 103.5/117

- sign -3.112+/-2.649 χ^2/NDF: 64.0/59

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 16.940+/-0.003 χ^2/NDF: 67978.7/33

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

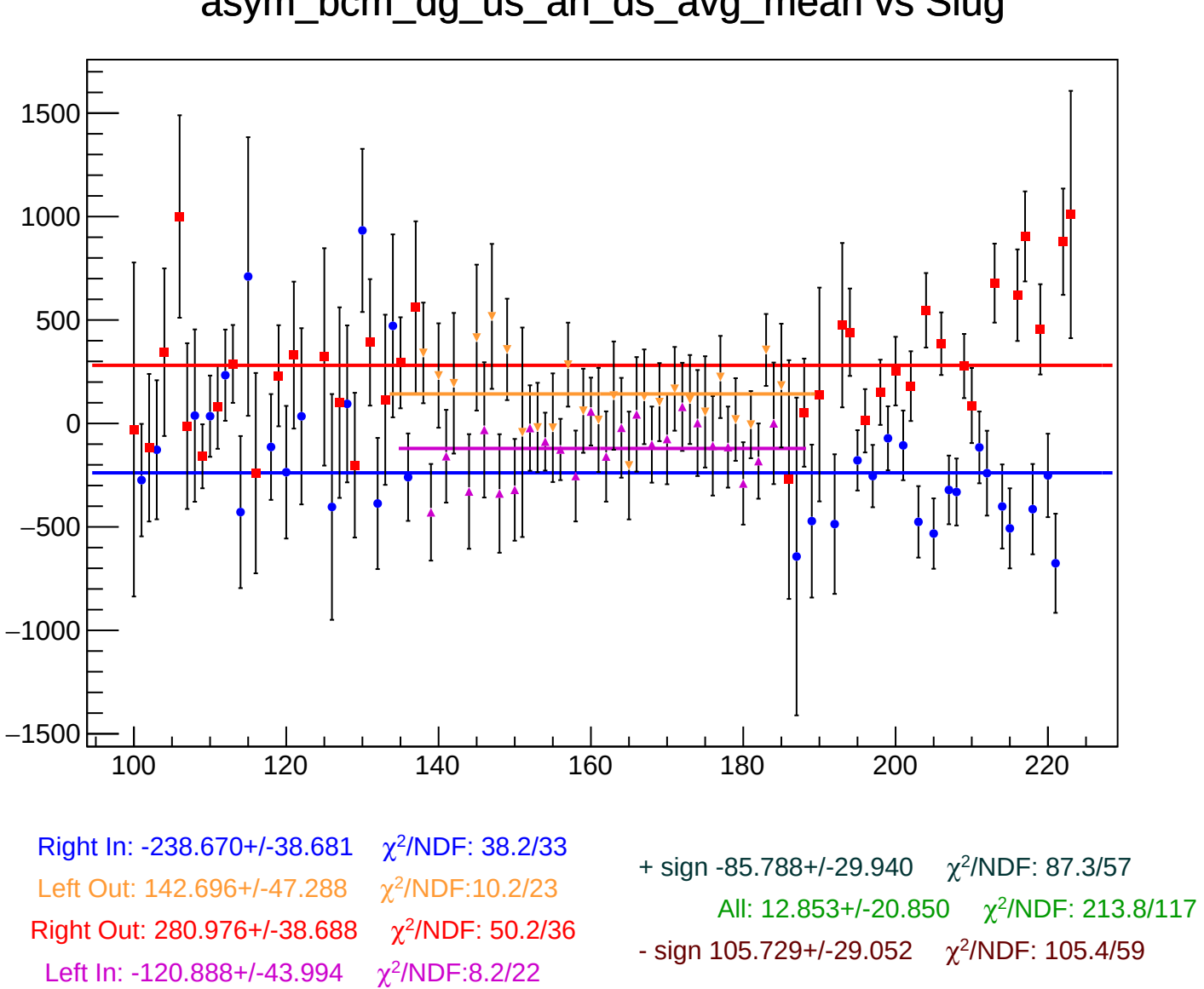
Right Out: 17.020+/-0.003 χ^2/NDF: 82988.2/36

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

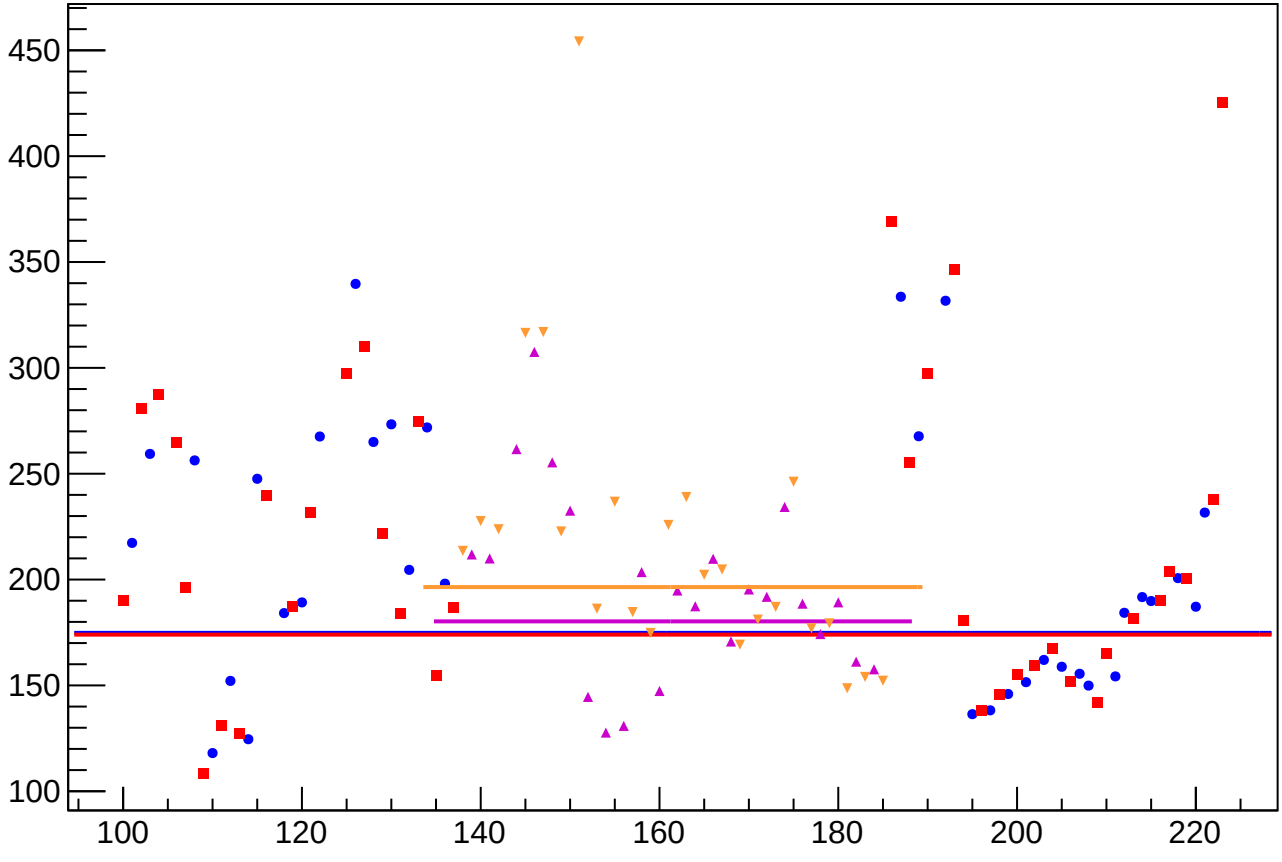
\+ sign 16.864+/-0.002 χ^2/NDF: 206023.3/57

All: 16.882+/-0.001 χ^2/NDF: 417385.0/117

\- sign 16.901+/-0.002 χ^2/NDF: 211171.0/59


asym_bcm_dg_us_an_ds_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -238.670+/-38.681 χ²/NDF: 38.2/33
Left Out: 142.696+/-47.288 χ²/NDF:10.2/23
Right Out: 280.976+/-38.688 χ²/NDF: 50.2/36
Left In: -120.888+/-43.994 χ²/NDF:8.2/22
+ sign -85.788+/-29.940 χ²/NDF: 87.3/57
All: 12.853+/-20.850 χ²/NDF: 213.8/117
- sign 105.729+/-29.052 χ²/NDF: 105.4/59

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 174.819+/-0.027 χ^2/NDF: 2479592.4/33

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 173.983+/-0.027 χ^2/NDF: 3369576.3/36

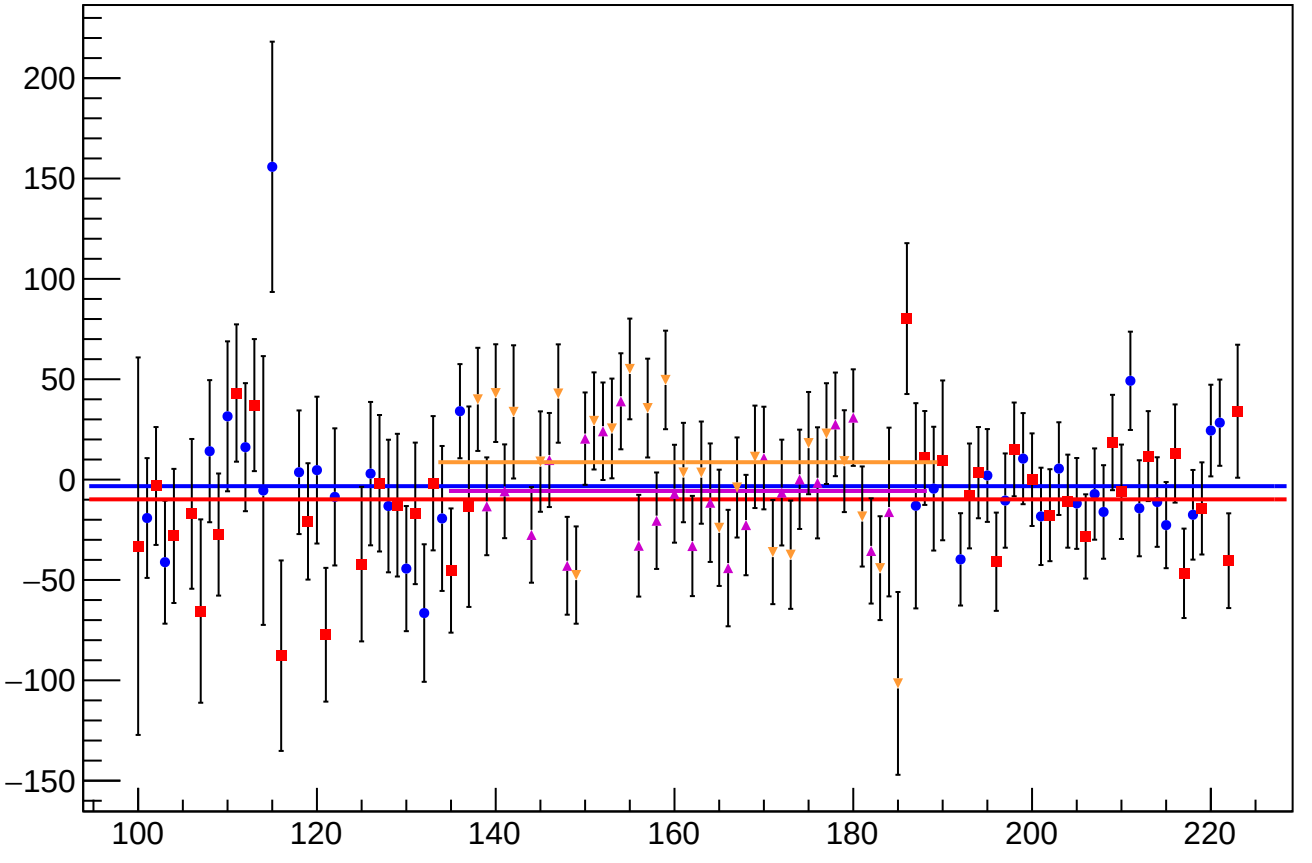
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 183.491+/-0.021 χ^2/NDF: 4453889.9/57

All: 180.001+/-0.015 χ^2/NDF: 9526883.2/117

- sign 176.715+/-0.021 χ^2/NDF: 5020225.7/59

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -3.272+/-4.666 χ^2/NDF: 31.8/33

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.841+/-4.658 χ^2/NDF: 36.2/36

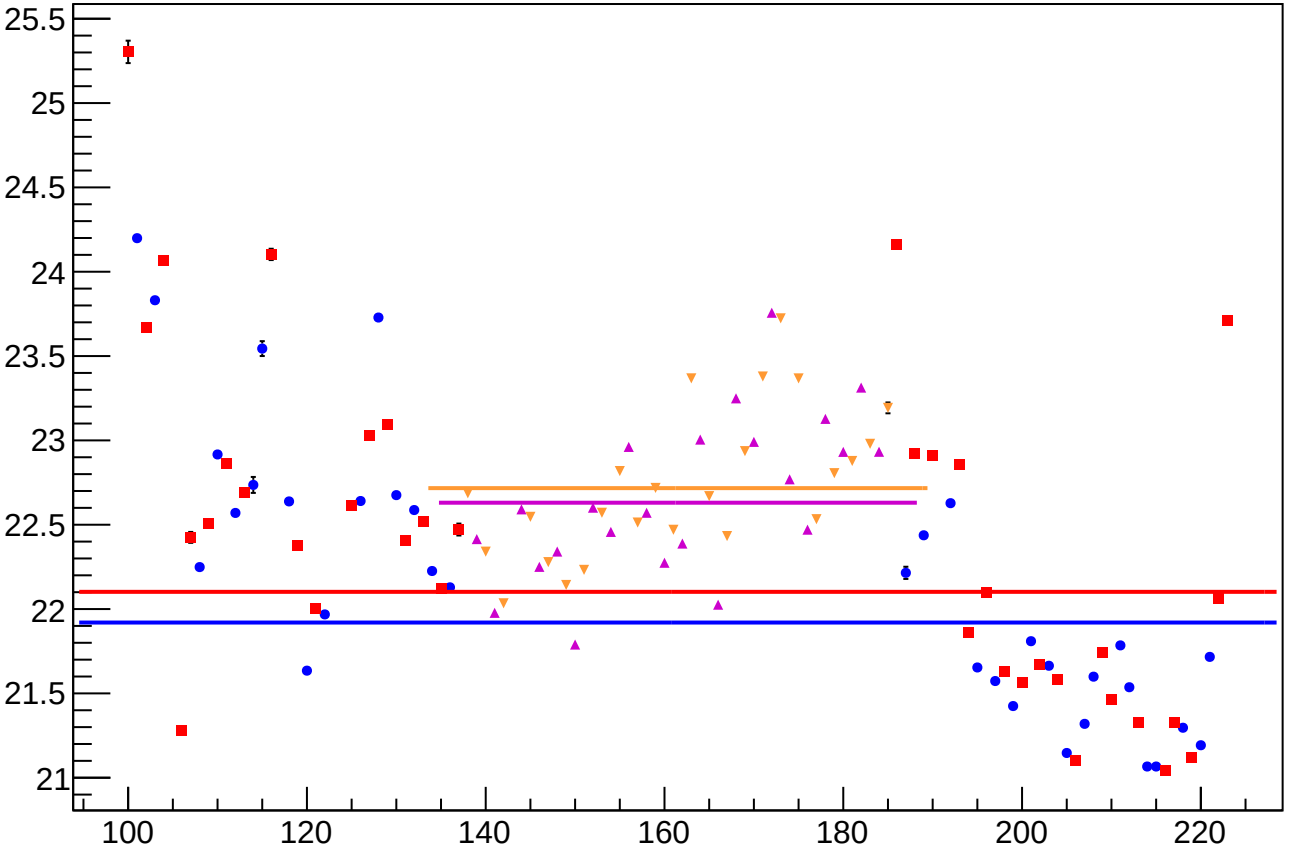
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.968+/-3.495 χ^2/NDF: 73.8/57

All: -3.024+/-2.471 χ^2/NDF: 135.3/117

- sign -8.017+/-3.495 χ^2/NDF: 57.3/59

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 21.920+/-0.003 χ^2/NDF: 52791.1/33

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.102+/-0.003 χ^2/NDF: 63969.3/36

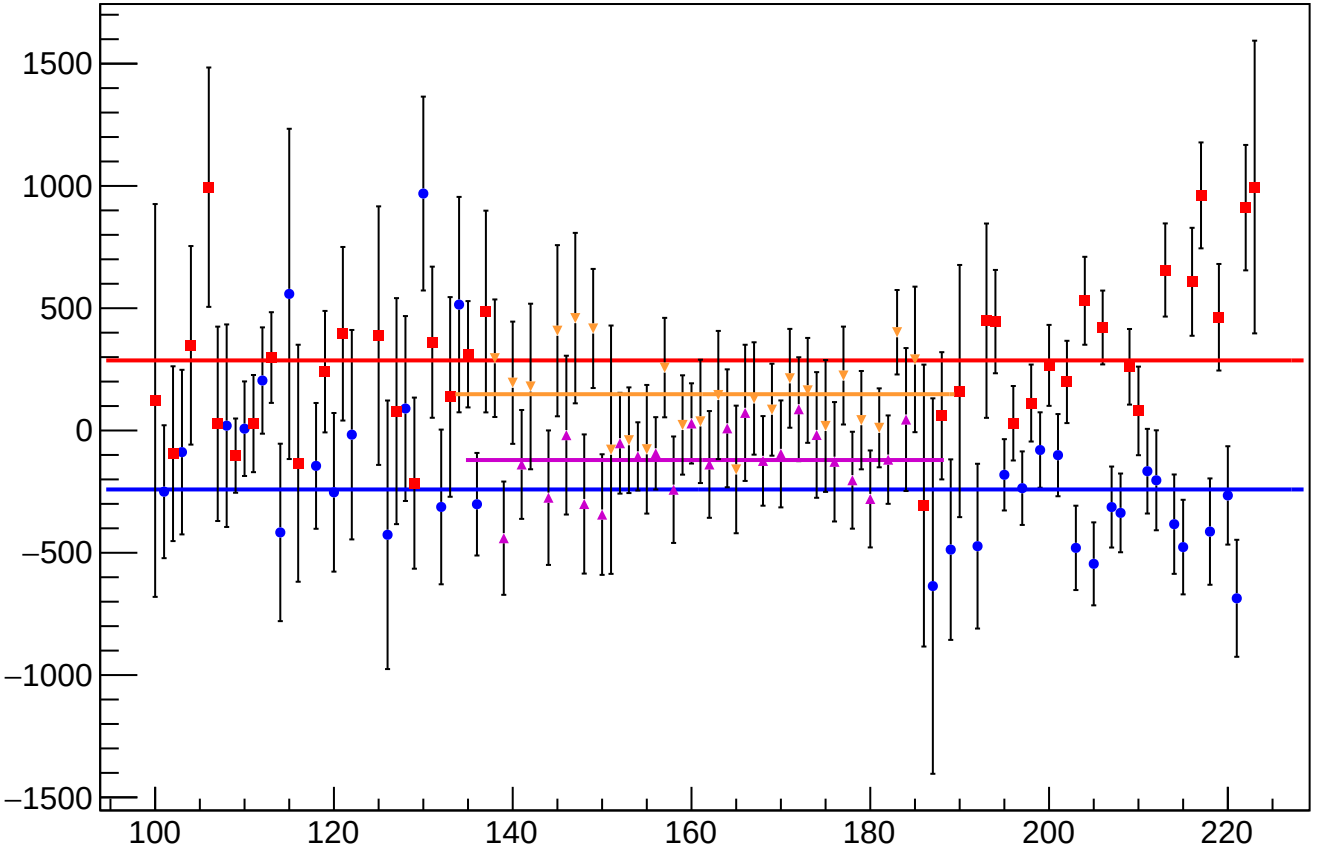
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.270+/-0.002 χ^2/NDF: 90575.6/57

All: 22.301+/-0.002 χ^2/NDF: 181512.8/117

- sign 22.333+/-0.002 χ^2/NDF: 90610.7/59

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -241.092+/-38.570 χ^2/NDF: 36.9/33

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 286.580+/-38.536 χ^2/NDF: 50.1/36

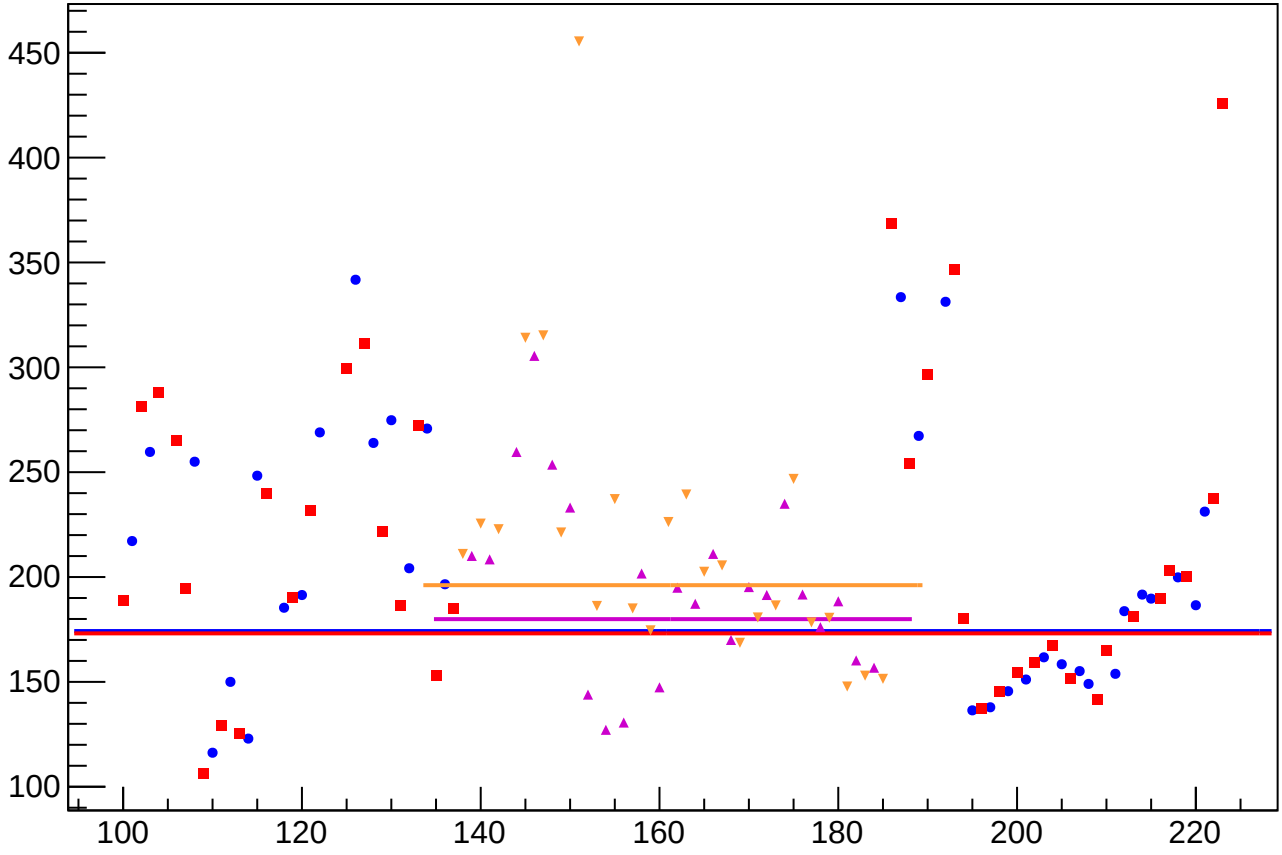
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

\+ sign -85.186+/-29.870 χ^2/NDF: 88.6/57

All: 15.092+/-20.794 χ^2/NDF: 217.1/117

\- sign 109.397+/-28.966 χ^2/NDF: 106.6/59

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 174.239+/-0.027 χ^2/NDF: 2512834.7/33

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 173.131+/-0.027 χ^2/NDF: 3445689.1/36

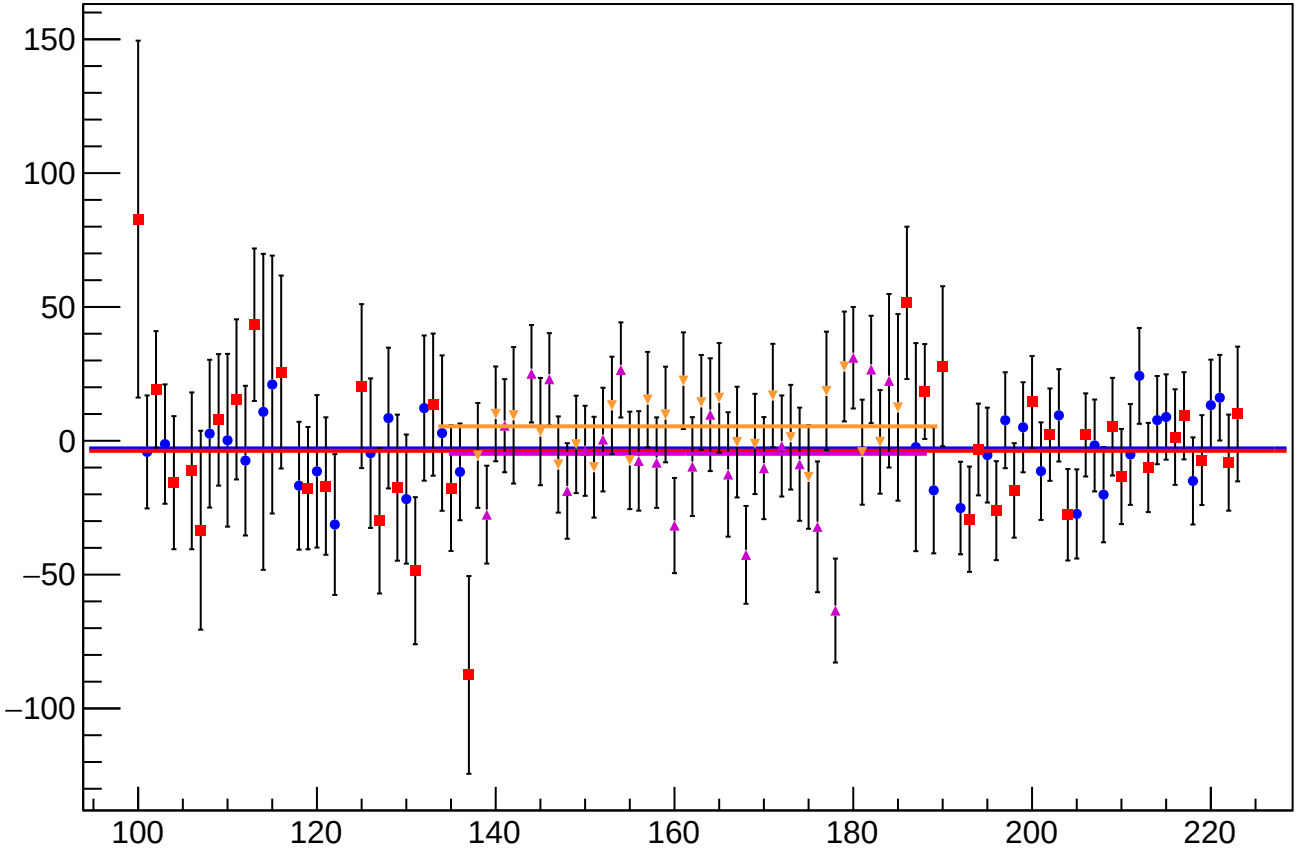
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.994+/-0.021 χ^2/NDF: 4496562.6/57

All: 179.434+/-0.015 χ^2/NDF: 9648569.5/117

- sign 176.085+/-0.020 χ^2/NDF: 5096865.6/59

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -2.855+/-3.538 χ^2/NDF: 16.0/33

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.737+/-3.536 χ^2/NDF: 34.2/36

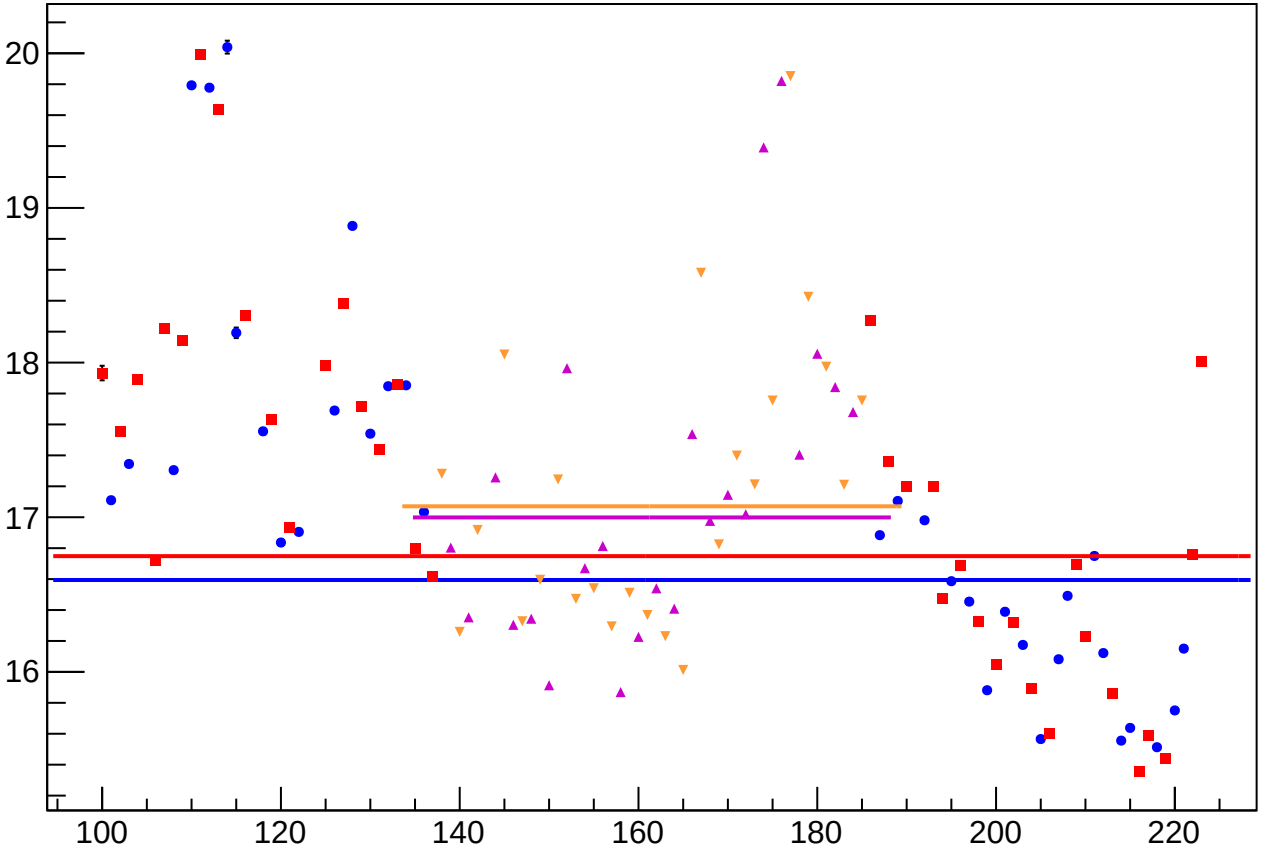
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.800+/-2.642 χ^2/NDF: 26.2/57

All: -1.715+/-1.869 χ^2/NDF: 97.8/117

- sign -4.232+/-2.643 χ^2/NDF: 69.8/59

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.594+/-0.003 χ^2/NDF: 142196.5/33

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.748+/-0.003 χ^2/NDF: 164468.0/36

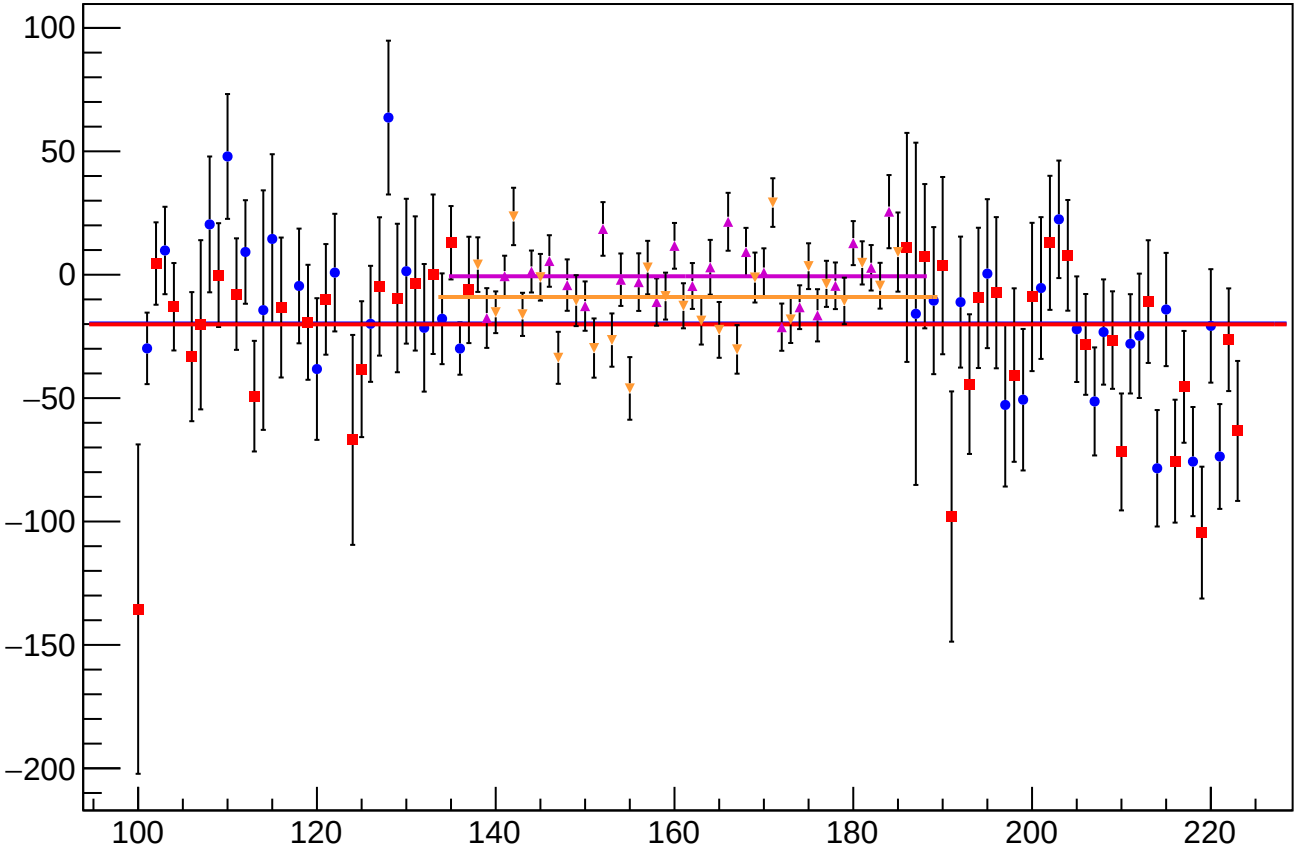
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.805+/-0.002 χ^2/NDF: 254556.4/57

All: 16.832+/-0.001 χ^2/NDF: 527879.8/117

- sign 16.859+/-0.002 χ^2/NDF: 272909.1/59

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -19.756+/-3.897 χ^2/NDF: 53.3/33

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -20.111+/-4.006 χ^2/NDF: 49.4/38

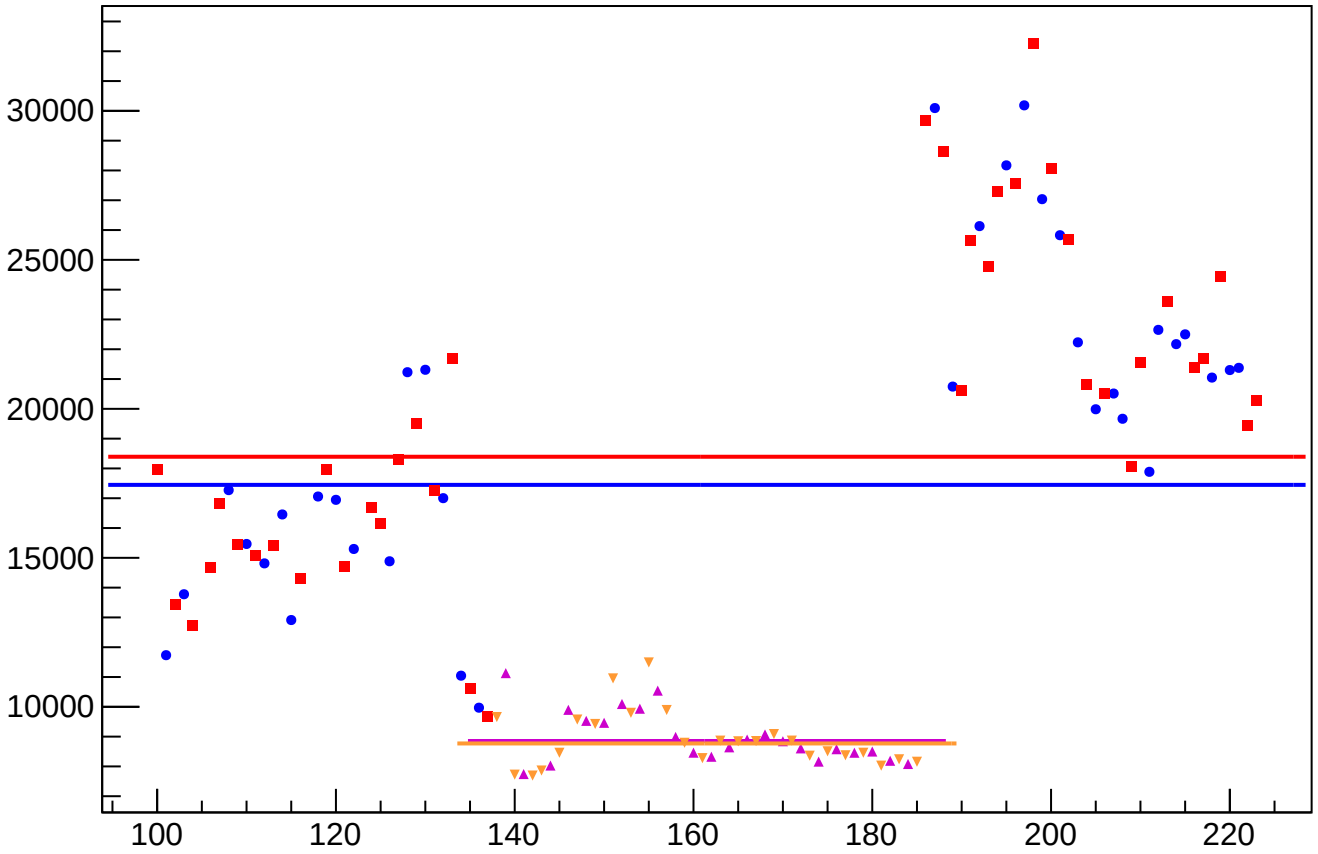
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -11.276+/-1.784 χ^2/NDF: 121.3/58

All: -8.130+/-1.283 χ^2/NDF: 225.3/120

- sign -4.763+/-1.845 χ^2/NDF: 97.5/61

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 17448.335+/-2.755 χ^2/NDF: 3677094.5/33

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 18392.278+/-2.832 χ^2/NDF: 3464194.4/38

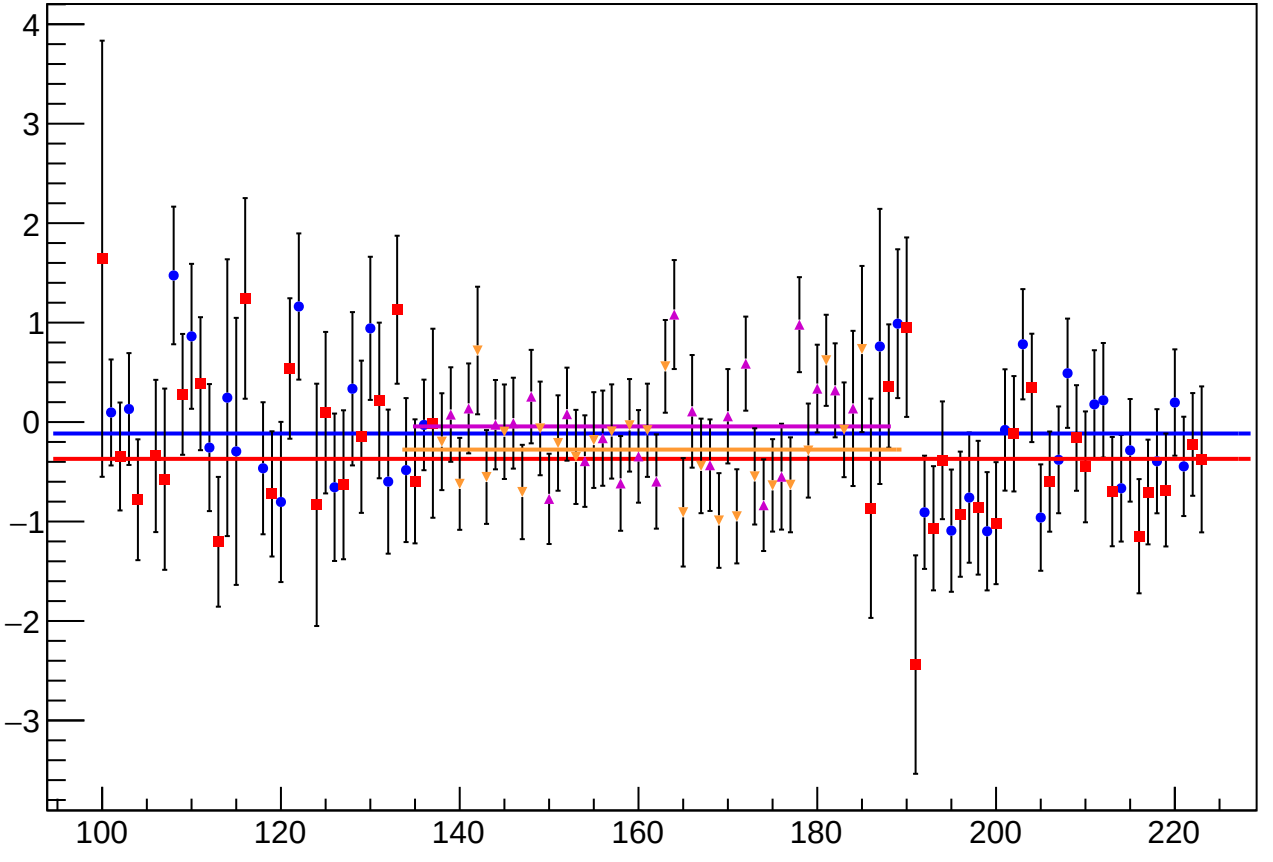
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 10589.090+/-1.261 χ^2/NDF: 11863316.2/58

All: 10728.476+/-0.907 χ^2/NDF: 24588231.1

- sign 10877.658+/-1.305 χ^2/NDF: 12699634.1/61

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.115+/-0.107 χ^2/NDF: 35.5/33

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.370+/-0.106 χ^2/NDF: 31.7/38

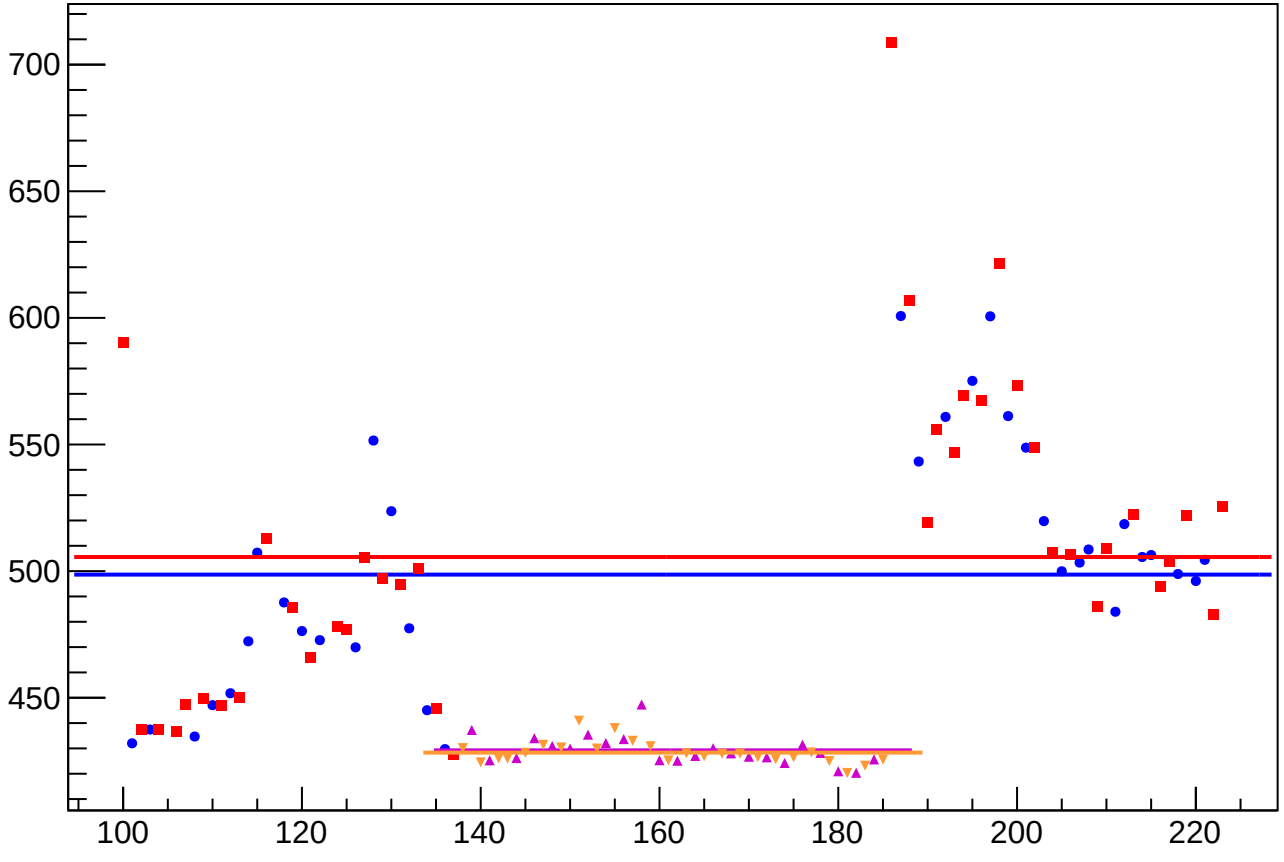
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.203+/-0.072 χ^2/NDF: 57.8/58

All: -0.200+/-0.051 χ^2/NDF: 118.4/120

- sign -0.198+/-0.073 χ^2/NDF: 60.5/61

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 498.628+/-0.075 χ^2/NDF: 337279.7/33

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

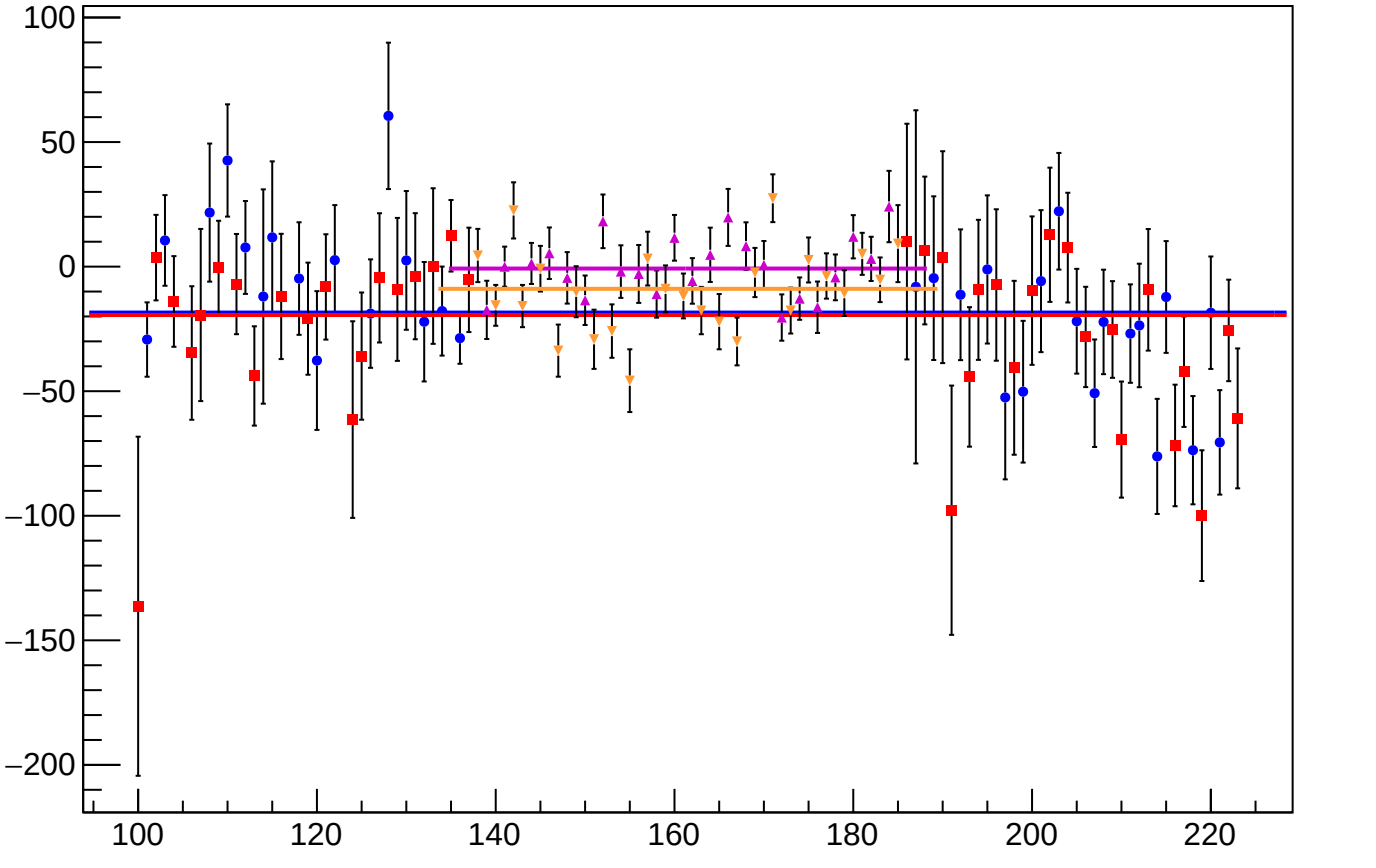
Right Out: 505.575+/-0.075 χ^2/NDF: 459616.2/38

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 460.314+/-0.051 χ^2/NDF: 815960.1/58

All: 462.740+/-0.036 χ^2/NDF: 1834212.0/120

- sign 465.235+/-0.052 χ^2/NDF: 1013626.3/61



Right In: -18.437+/-3.795 χ^2/NDF: 53.7/33

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

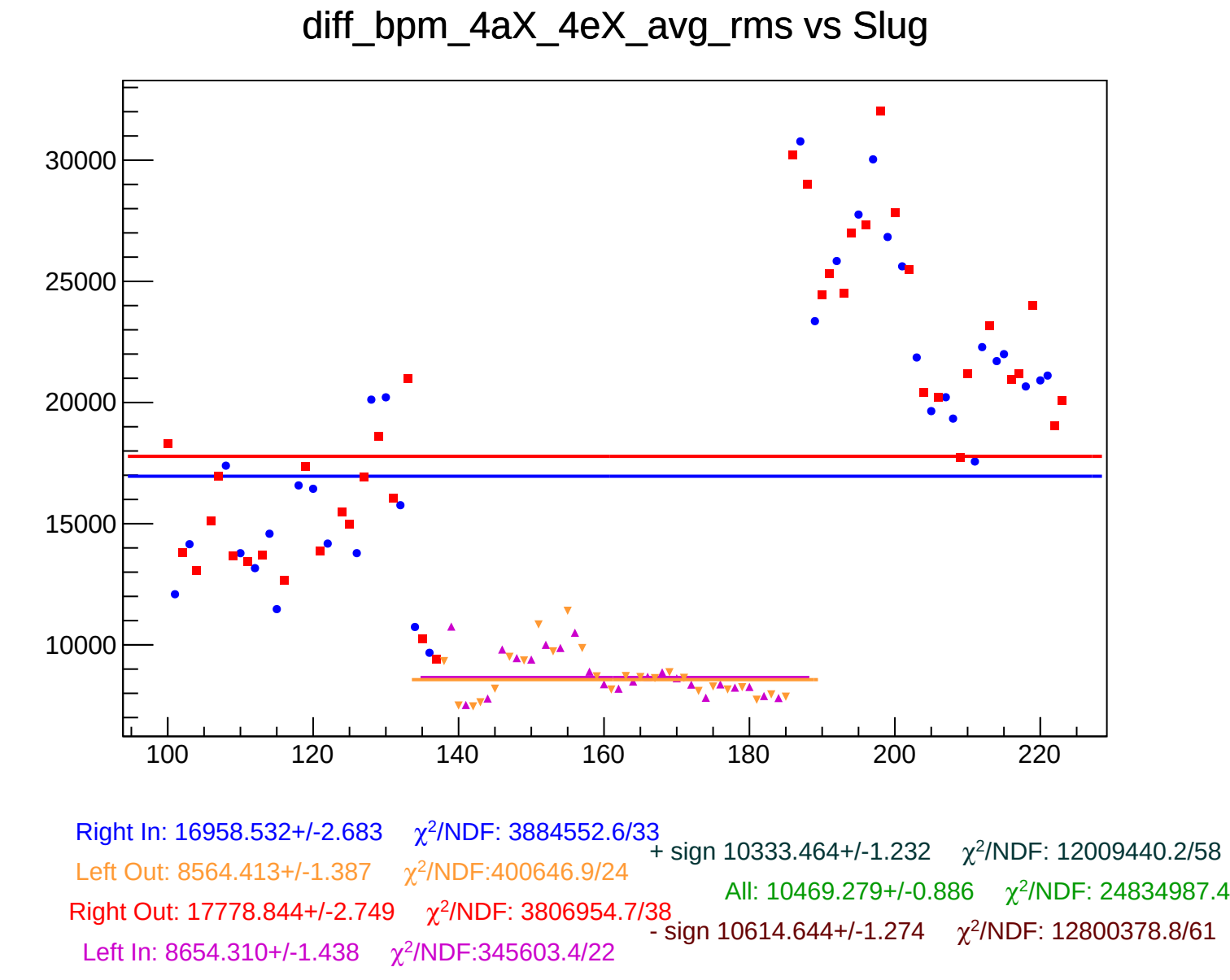
Right Out: -19.412+/-3.888 χ^2/NDF: 47.4/38

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

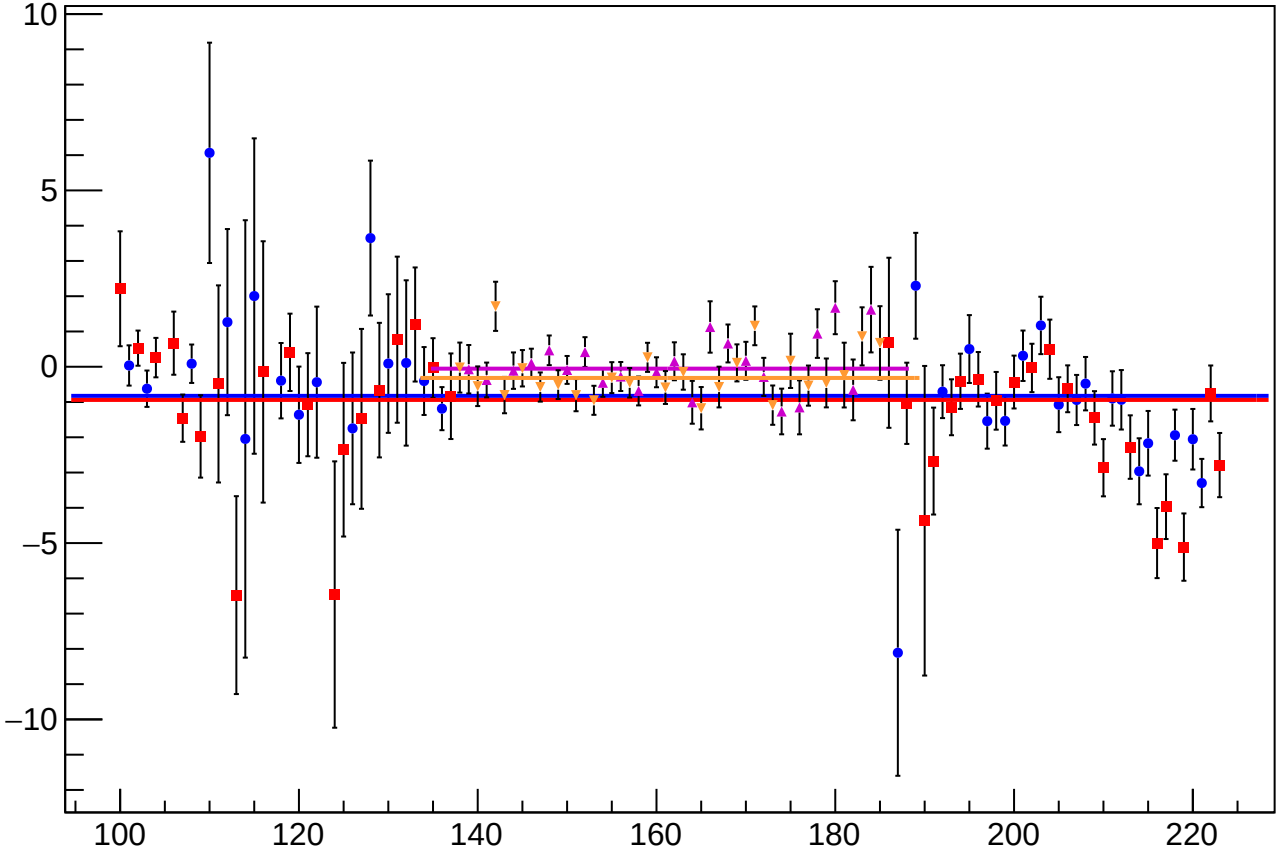
+ sign -10.913+/-1.742 χ^2/NDF: 120.2/58

All: -7.949+/-1.253 χ^2/NDF: 221.0/120

- sign -4.777+/-1.802 χ^2/NDF: 94.8/61


diff_bpm_4aX_4eX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16958.532+/-2.683 χ²/NDF: 3884552.6/33
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 17778.844+/-2.749 χ²/NDF: 3806954.7/38
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
+ sign 10333.464+/-1.232 χ²/NDF: 12009440.2/58
All: 10469.279+/-0.886 χ²/NDF: 24834987.4
- sign 10614.644+/-1.274 χ²/NDF: 12800378.8/61

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.826+/-0.152 χ^2/NDF: 63.0/33

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.941+/-0.153 χ^2/NDF: 101.0/38

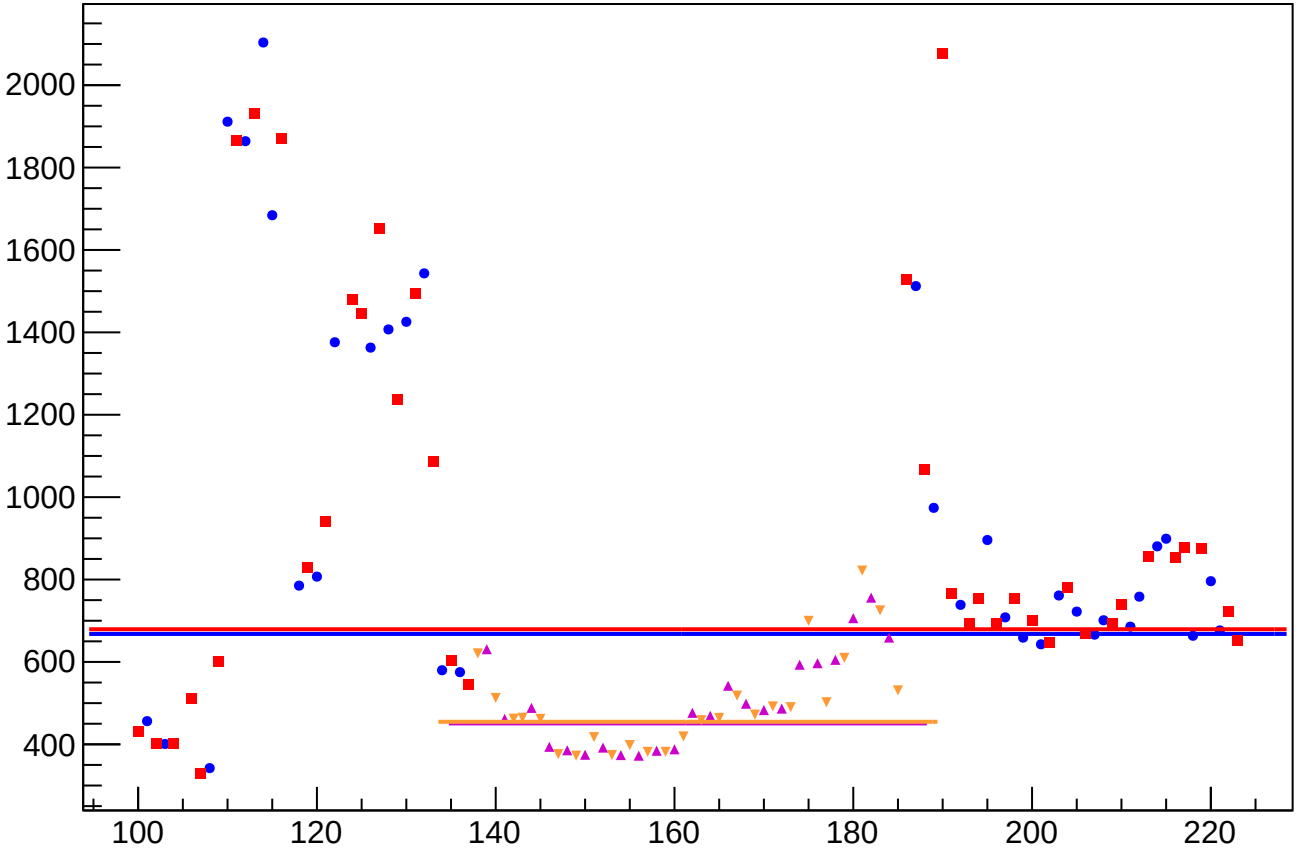
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.484+/-0.087 χ^2/NDF: 102.8/58

All: -0.418+/-0.062 χ^2/NDF: 257.3/120

- sign -0.350+/-0.088 χ^2/NDF: 153.3/61

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 667.962+/-0.107 χ^2/NDF: 4480315.8/33

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 679.324+/-0.108 χ^2/NDF: 5098266.5/38

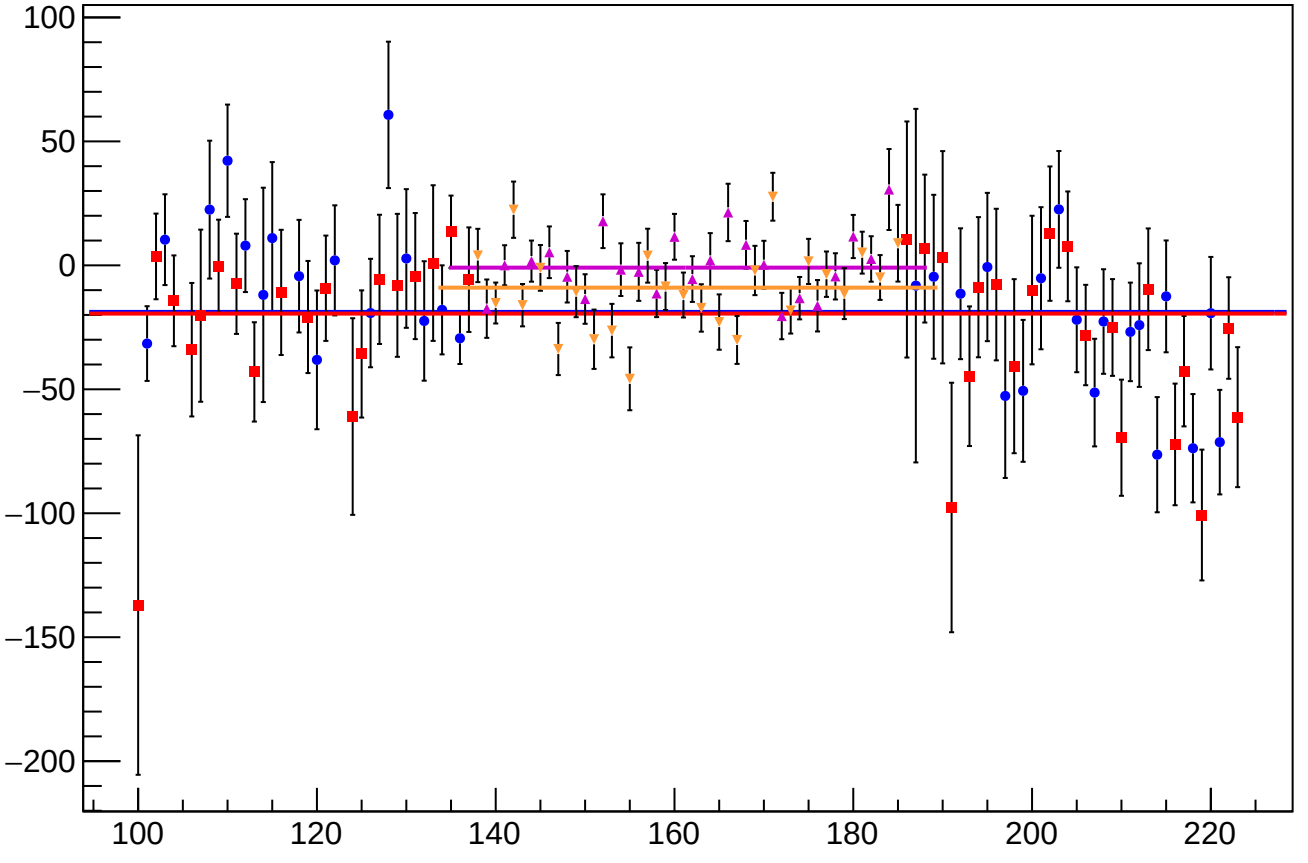
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 524.703+/-0.061 χ^2/NDF: 8590383.2/58

All: 525.790+/-0.044 χ^2/NDF: 18137395.7/12

- sign 526.913+/-0.062 χ^2/NDF: 9546376.1/61

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -18.782+/-3.818 χ^2/NDF: 53.9/33

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -19.463+/-3.913 χ^2/NDF: 47.3/38

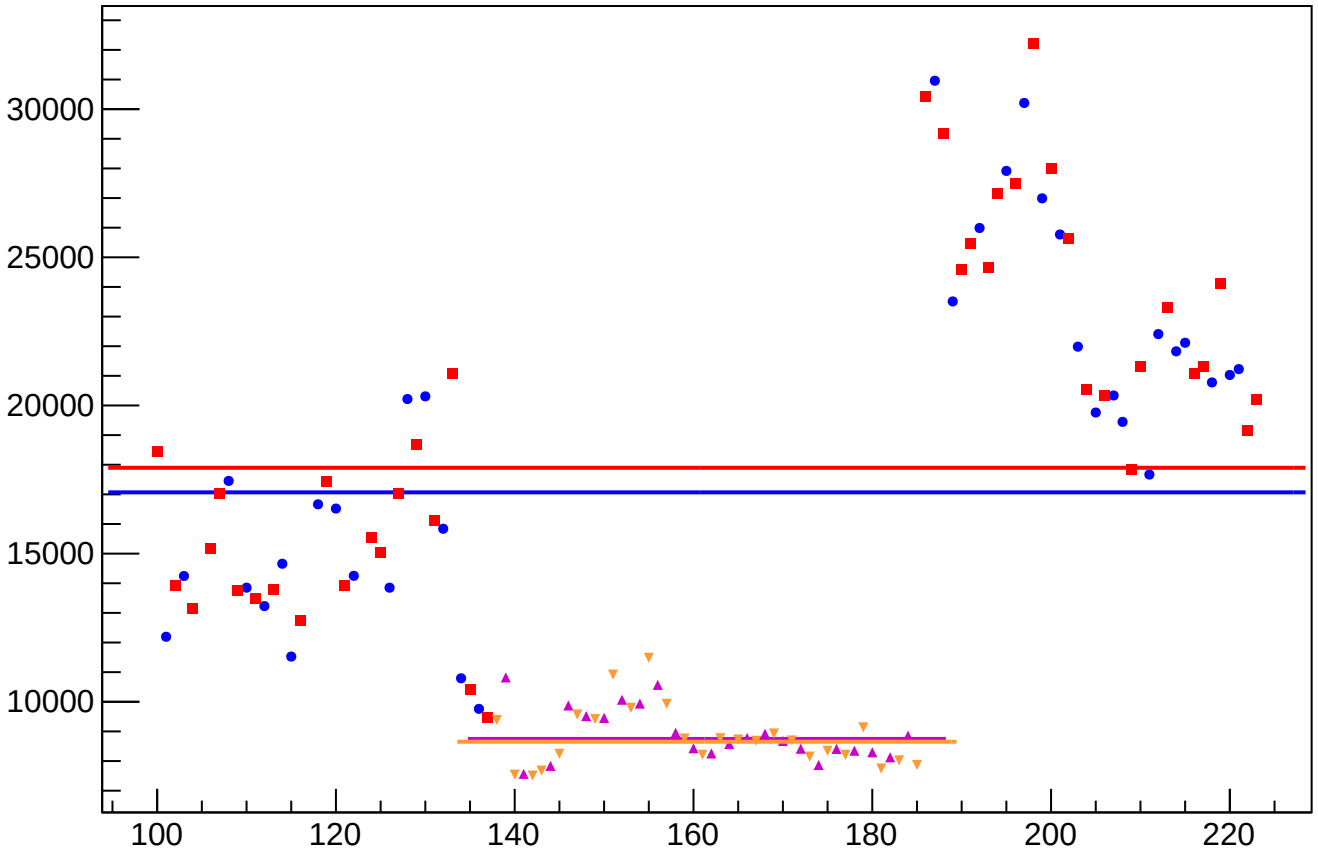
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -11.076+/-1.759 χ^2/NDF: 120.3/58

All: -8.110+/-1.265 χ^2/NDF: 220.9/120

- sign -4.935+/-1.820 χ^2/NDF: 94.7/61

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 17068.007+/-2.700 χ^2/NDF: 3865276.4/33

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17897.670+/-2.767 χ^2/NDF: 3780365.5/38

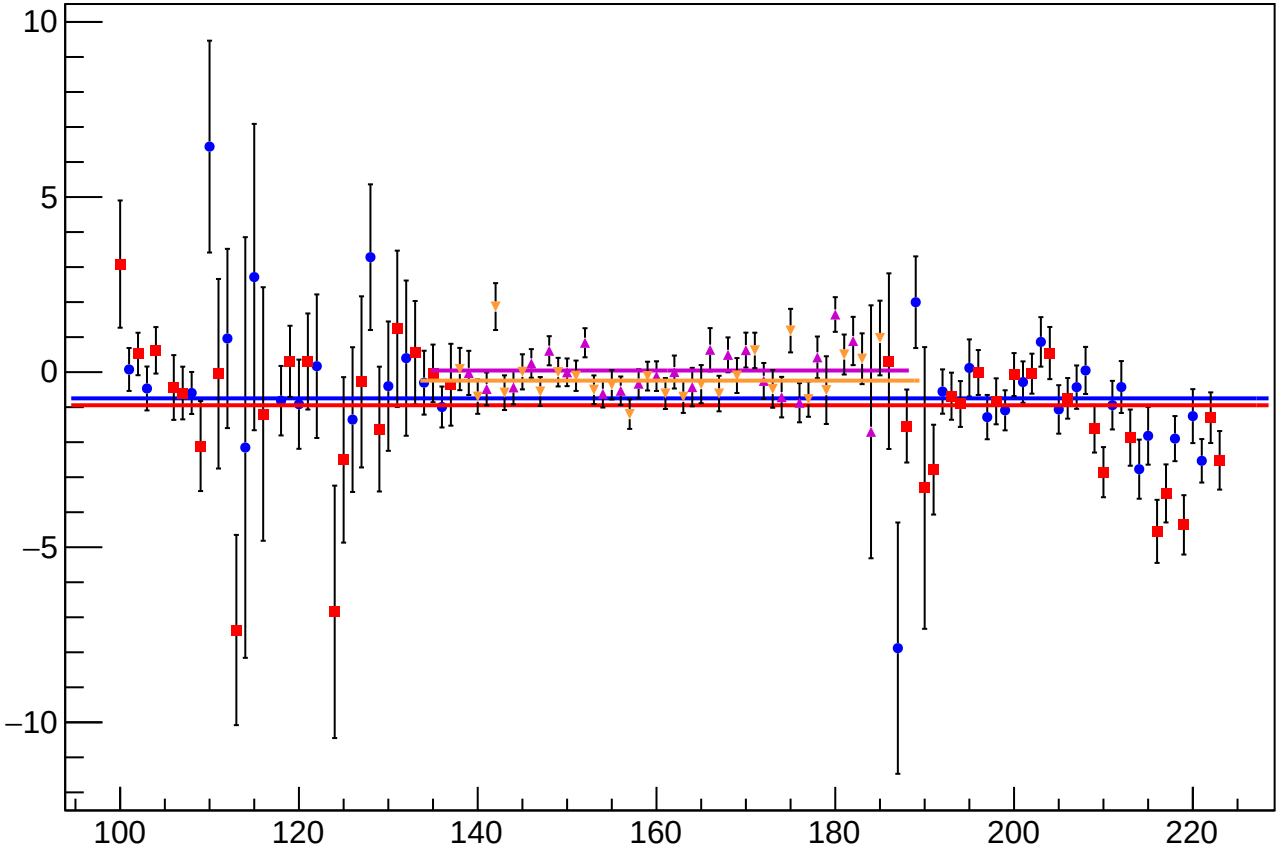
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 10437.854+/-1.244 χ^2/NDF: 11925097.0/58

All: 10576.743+/-0.894 χ^2/NDF: 24635804.9

- sign 10725.404+/-1.287 χ^2/NDF: 12684891.6/61

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.749+/-0.140 χ^2/NDF: 51.6/33

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.945+/-0.143 χ^2/NDF: 101.1/38

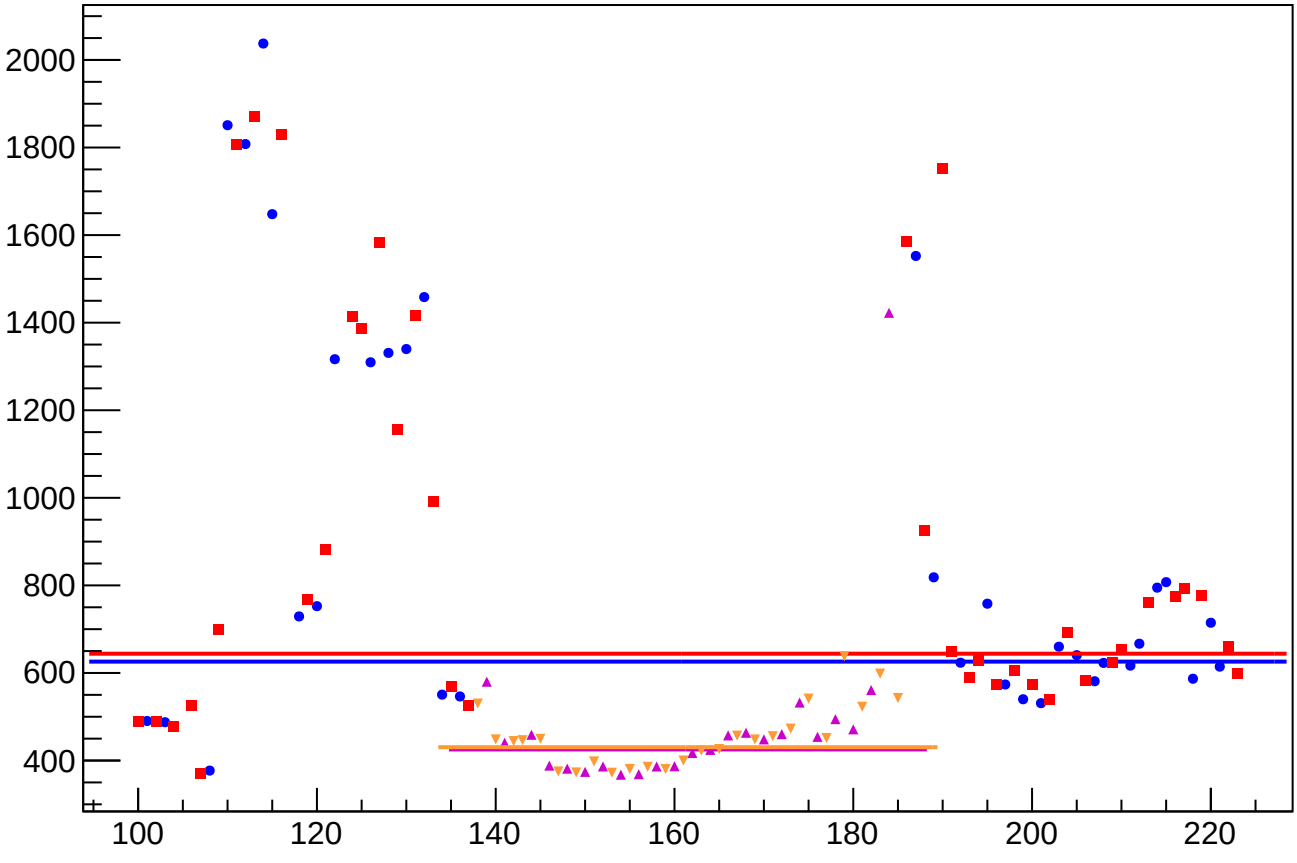
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.413+/-0.082 χ^2/NDF: 94.5/58

All: -0.351+/-0.058 χ^2/NDF: 263.9/120

- sign -0.286+/-0.083 χ^2/NDF: 168.2/61

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 625.917+/-0.099 χ^2/NDF: 3436528.5/33

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

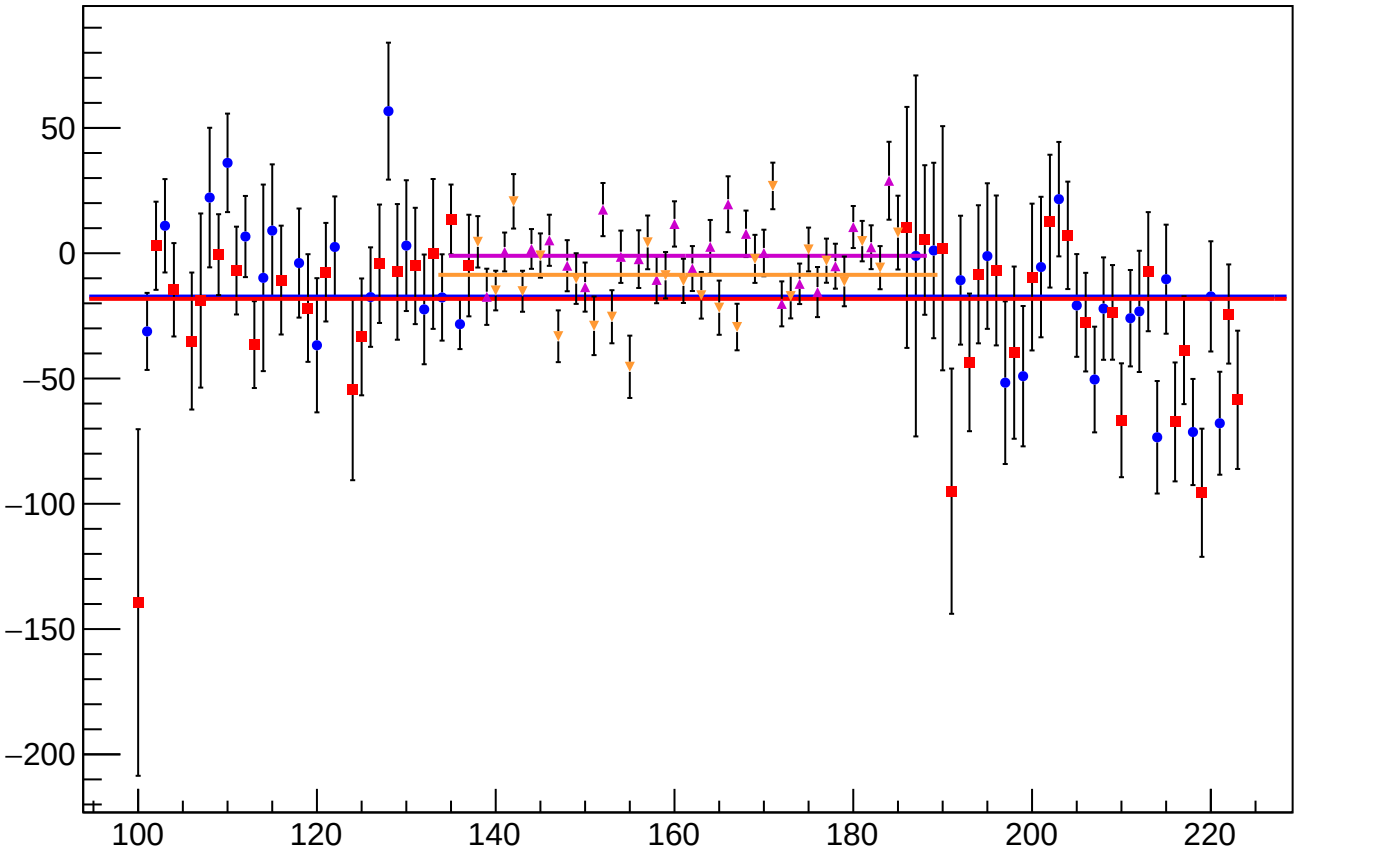
Right Out: 644.002+/-0.101 χ^2/NDF: 3750084.6/38

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

\+ sign 496.418+/-0.058 χ^2/NDF: 6653460.2/58

All: 497.530+/-0.041 χ^2/NDF: 14230742.0/12

\- sign 498.676+/-0.059 χ^2/NDF: 7576526.8/61



Right In: -17.294+/-3.649 χ^2/NDF: 54.7/33

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -18.211+/-3.719 χ^2/NDF: 45.9/38

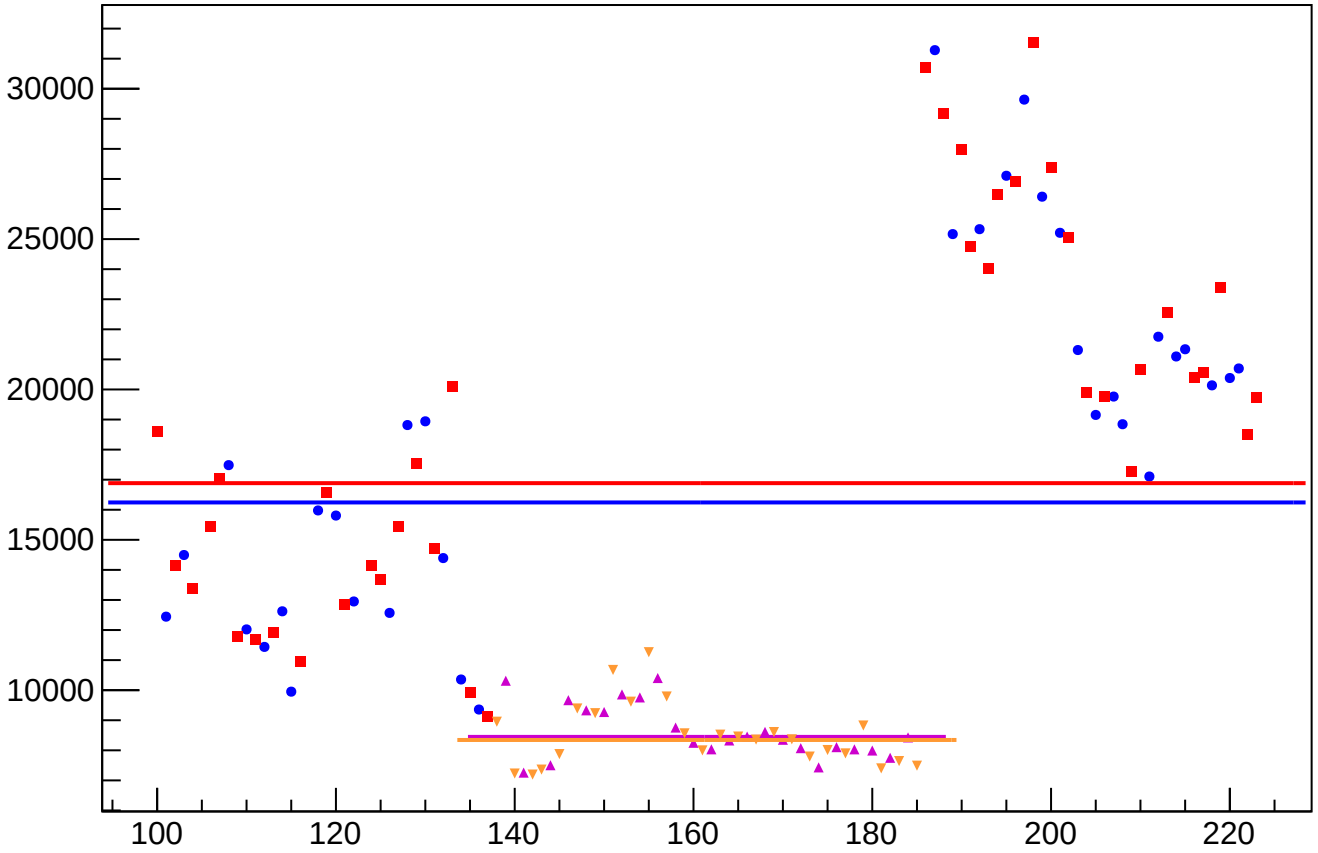
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -10.492+/-1.694 χ^2/NDF: 120.8/58

All: -7.762+/-1.218 χ^2/NDF: 218.5/120

- sign -4.842+/-1.752 χ^2/NDF: 92.3/61

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 16242.742+/-2.580 χ^2/NDF: 4234255.4/33

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

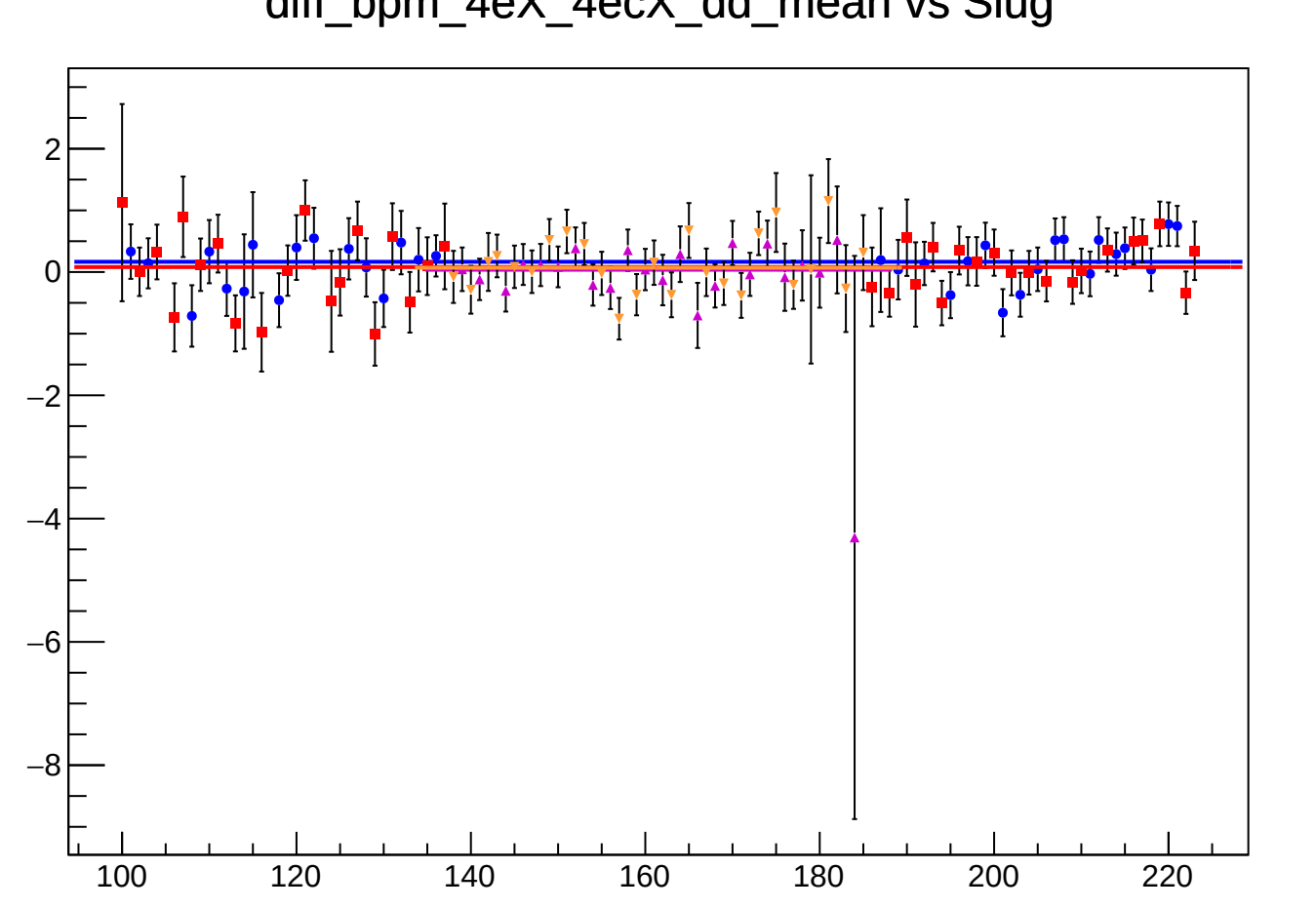
Right Out: 16884.573+/-2.630 χ^2/NDF: 4380633.5/38

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 10047.006+/-1.198 χ^2/NDF: 12053057.1/58

All: 10178.816+/-0.861 χ^2/NDF: 24849883.6/

- sign 10319.802+/-1.239 χ^2/NDF: 12771775.8/61



Right In: 0.166+/-0.071 χ^2/NDF: 29.7/33

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.080+/-0.070 χ^2/NDF: 41.1/38

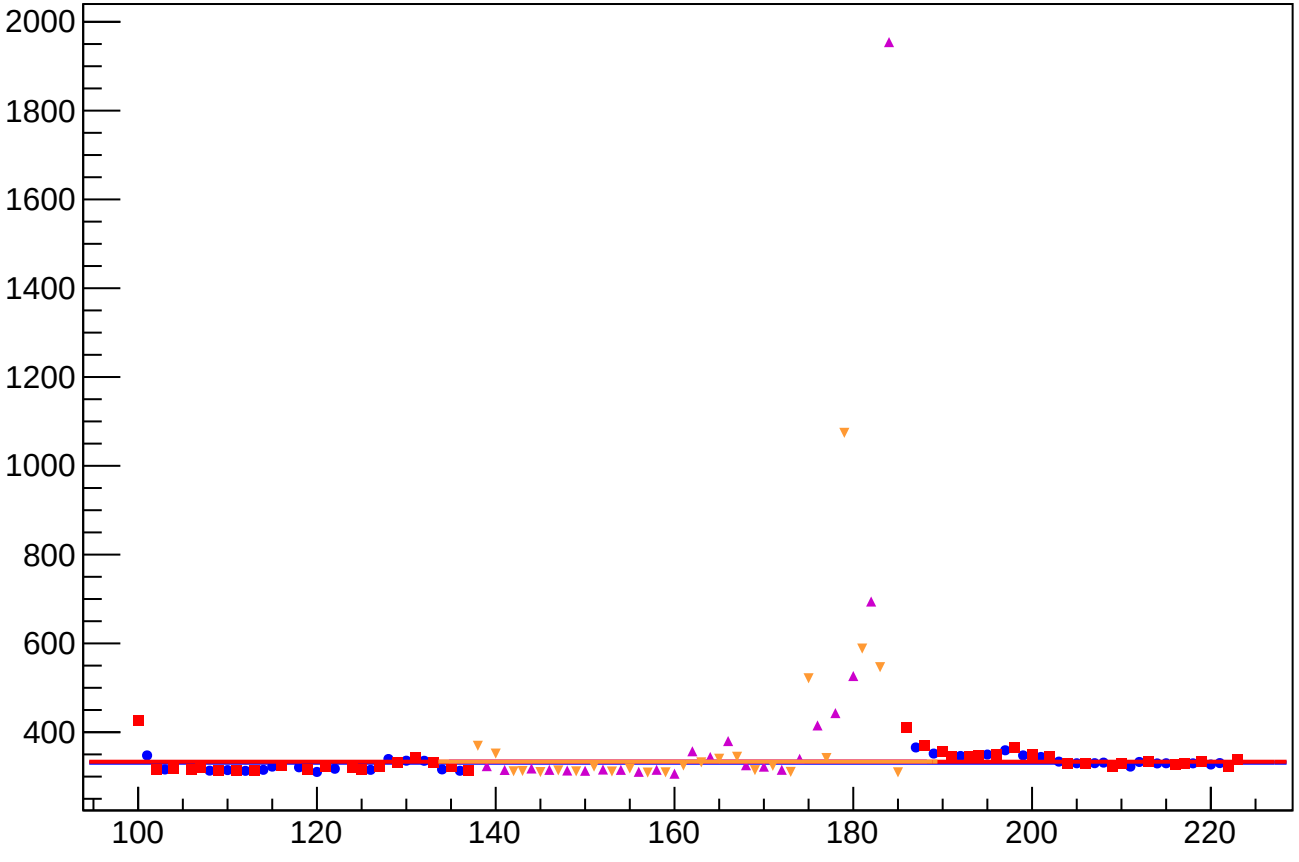
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.123+/-0.053 χ^2/NDF: 58.7/58

All: 0.093+/-0.037 χ^2/NDF: 112.3/120

- sign 0.062+/-0.053 χ^2/NDF: 52.9/61

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.256+/-0.050 χ^2/NDF: 64664.7/33

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 333.538+/-0.049 χ^2/NDF: 122442.2/38

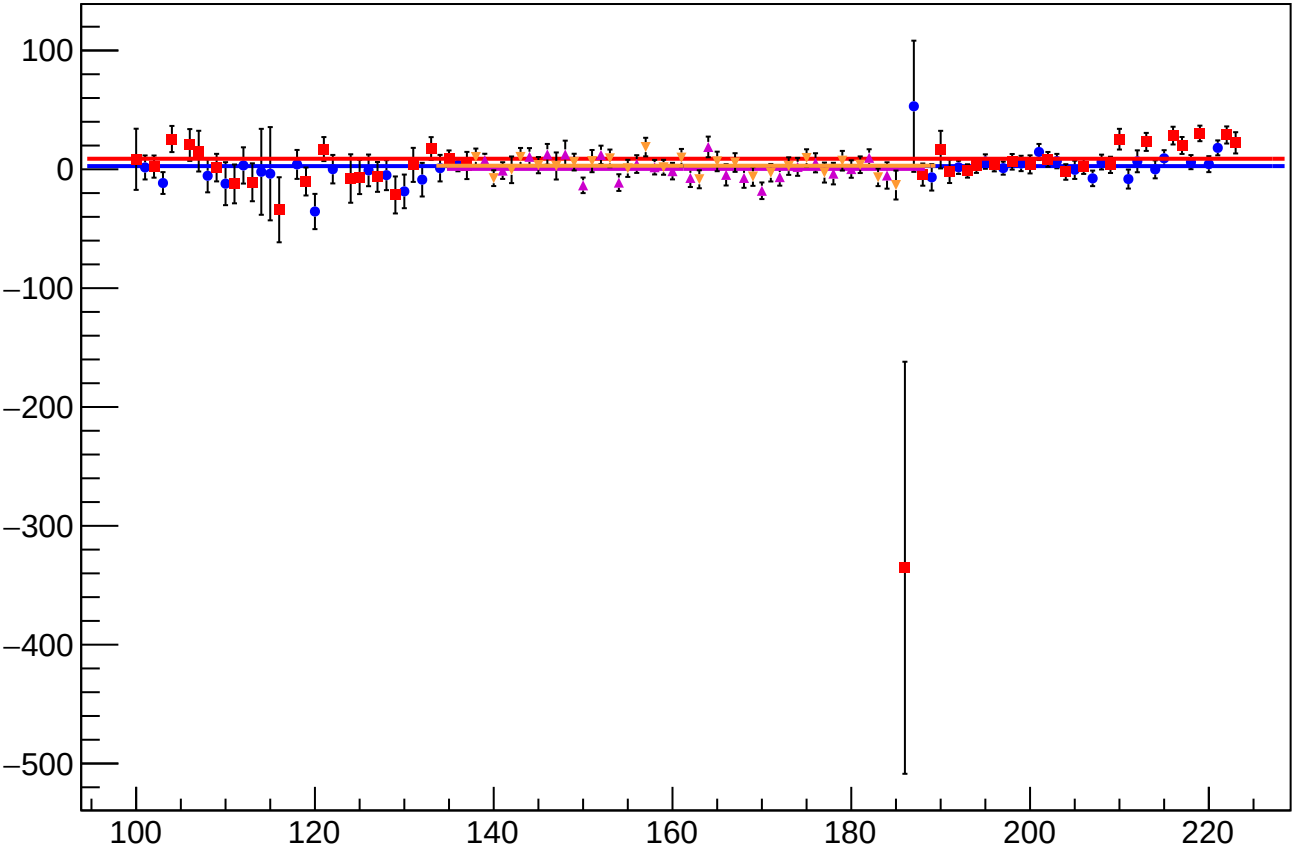
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.378+/-0.037 χ^2/NDF: 1283058.4/58

All: 333.050+/-0.026 χ^2/NDF: 2457171.9/120

- sign 333.726+/-0.037 χ^2/NDF: 1173460.5/61

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 2.705+/-1.414 χ^2/NDF: 31.7/33

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

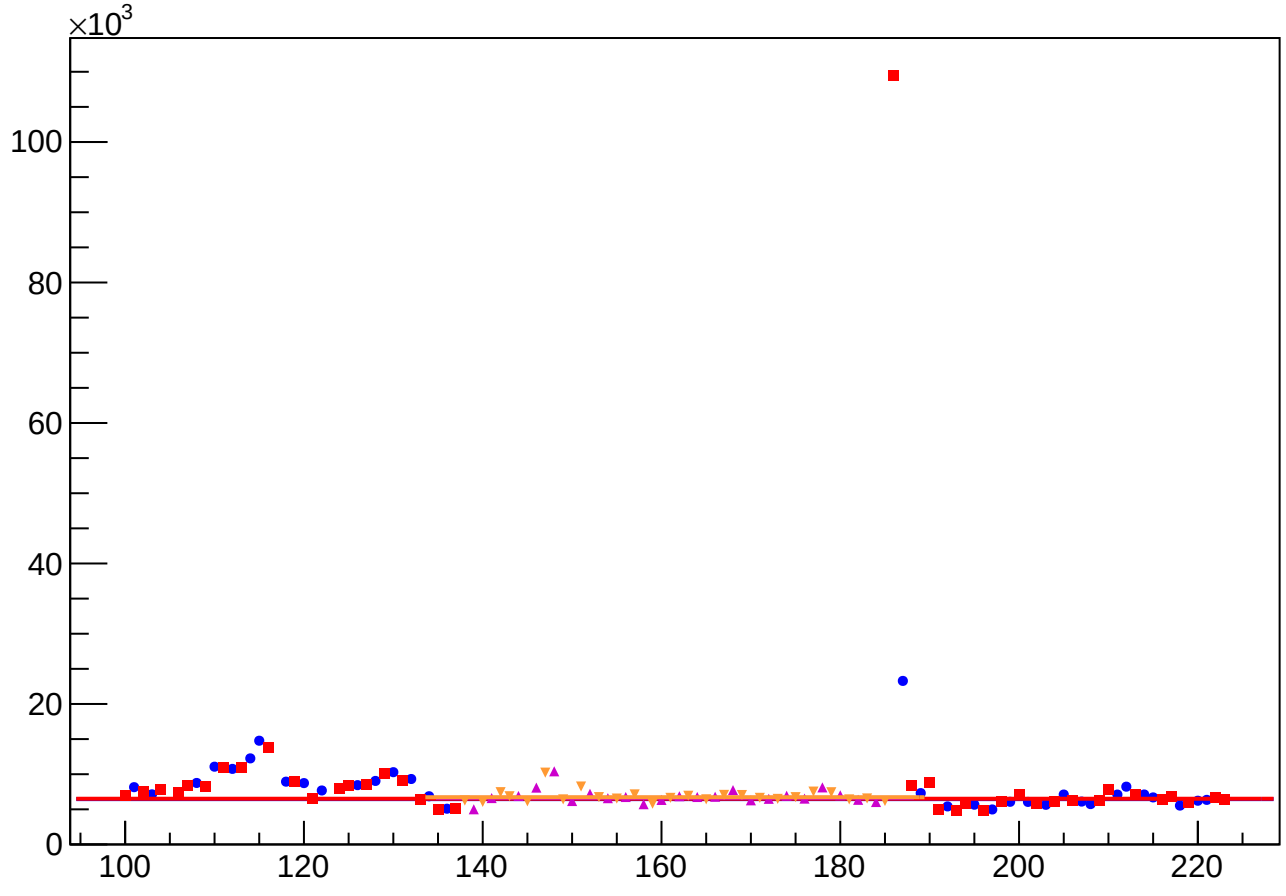
Right Out: 8.895+/-1.410 χ^2/NDF: 75.9/38

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.850+/-1.042 χ^2/NDF: 52.0/58

All: 3.957+/-0.739 χ^2/NDF: 180.4/120

- sign 5.077+/-1.048 χ^2/NDF: 126.1/61



Right In: 6453.599+/-1.000 χ^2/NDF: 1888409.4/33

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6507.578+/-0.997 χ^2/NDF: 2459266.3/38

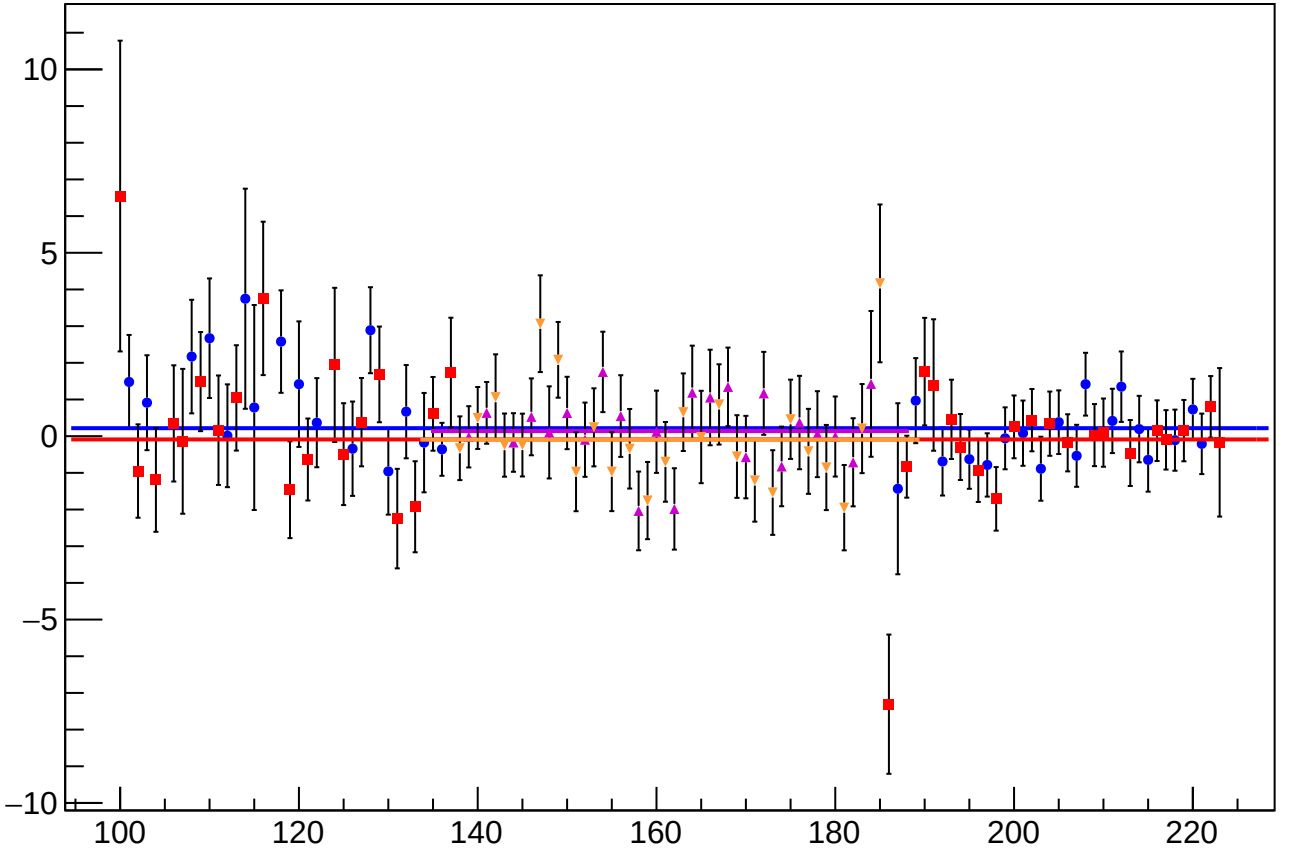
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6576.725+/-0.737 χ^2/NDF: 2324883.1/58

All: 6570.149+/-0.523 χ^2/NDF: 5420844.8/12

- sign 6563.496+/-0.741 χ^2/NDF: 3095801.6/61

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.218+/-0.178 χ^2/NDF: 29.2/33

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.088+/-0.176 χ^2/NDF: 44.6/38

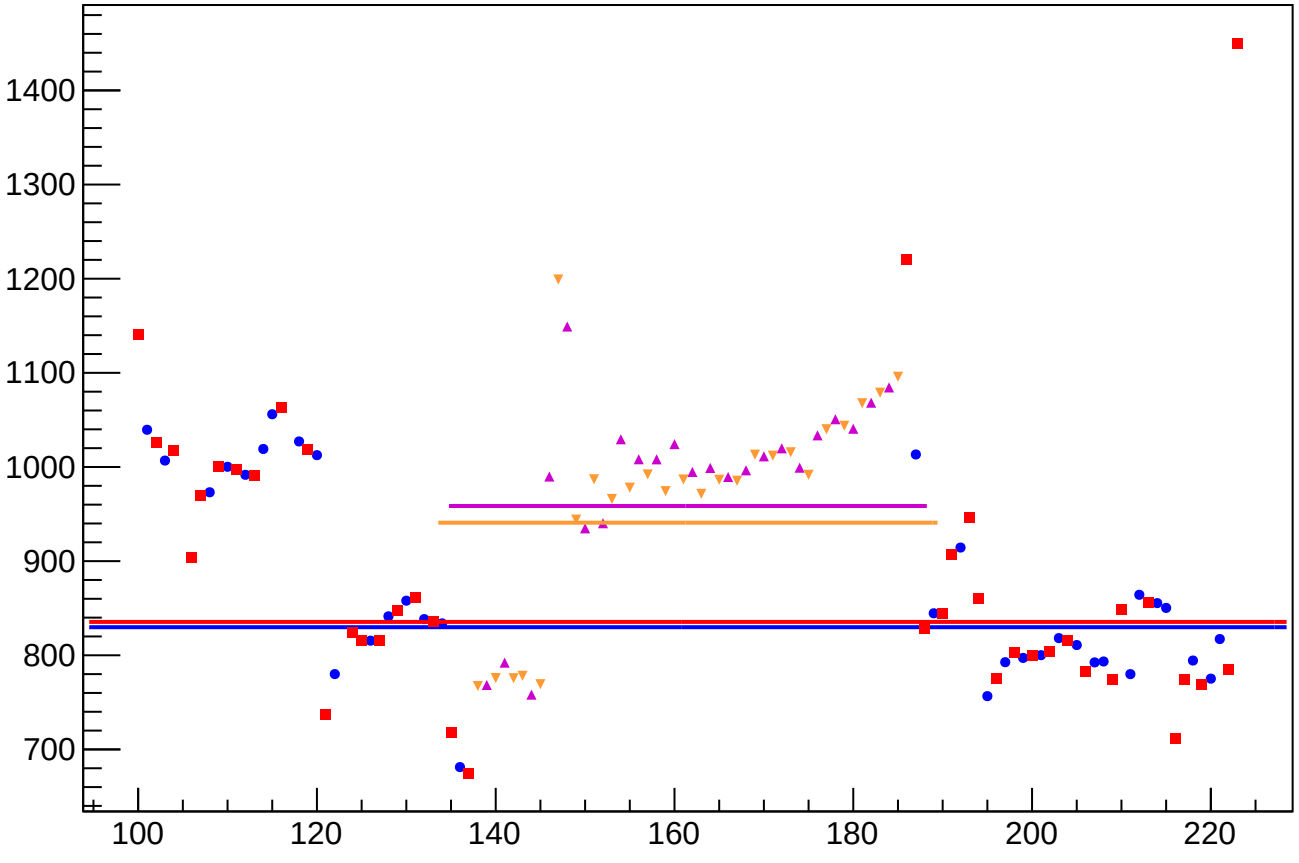
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.091+/-0.137 χ^2/NDF: 57.8/58

All: 0.045+/-0.097 χ^2/NDF: 119.8/120

- sign -0.003+/-0.139 χ^2/NDF: 61.7/61

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 829.828+/-0.126 χ^2/NDF: 418137.8/33

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 835.453+/-0.124 χ^2/NDF: 717490.5/38

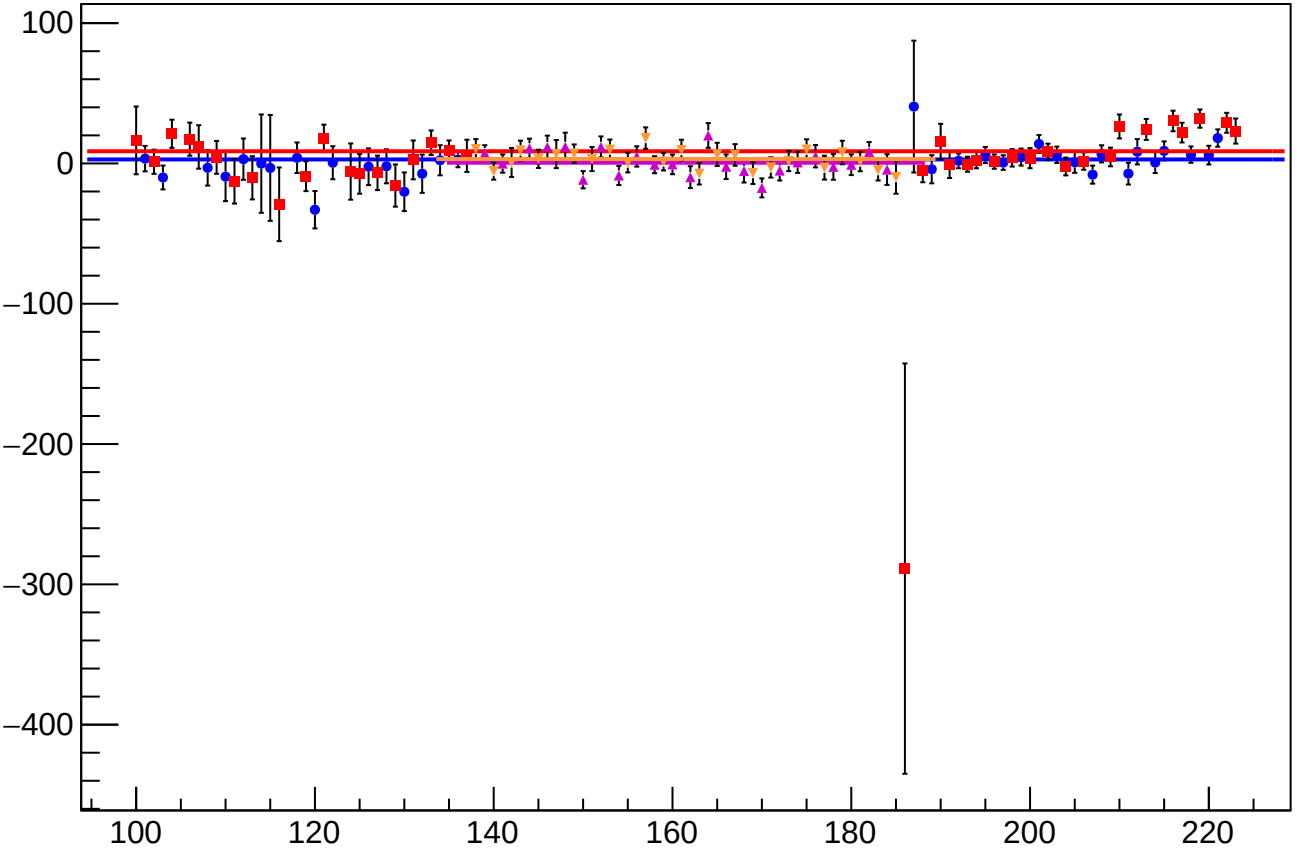
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 874.736+/-0.097 χ^2/NDF: 1303342.4/58

All: 878.340+/-0.069 χ^2/NDF: 2851680.9/120

- sign 882.029+/-0.098 χ^2/NDF: 1545537.6/61

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 2.854+/-1.363 χ^2/NDF: 32.0/33

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 8.676+/-1.352 χ^2/NDF: 83.5/38

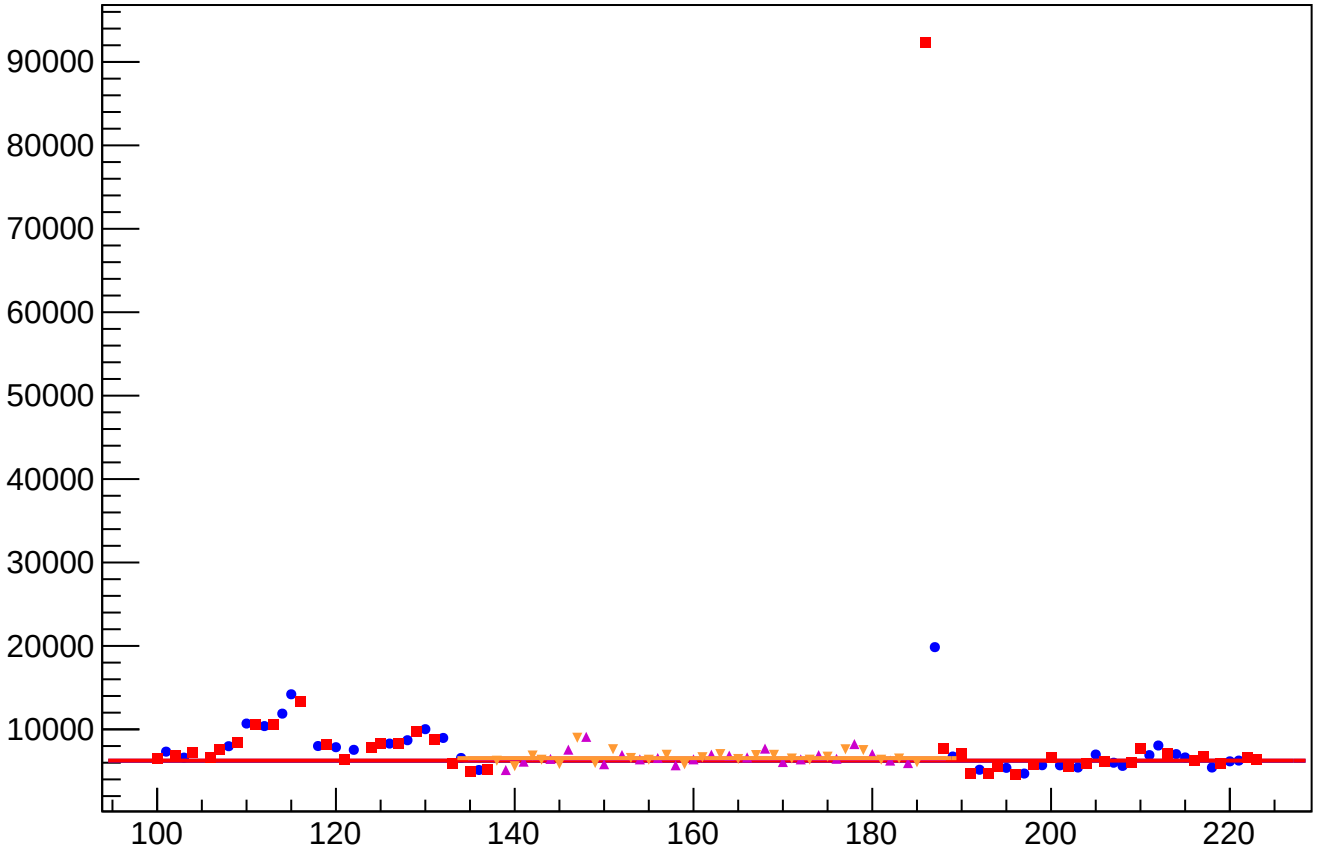
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.965+/-1.009 χ^2/NDF: 50.6/58

All: 4.032+/-0.715 χ^2/NDF: 184.2/120

- sign 5.112+/-1.015 χ^2/NDF: 131.4/61

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6229.531+/-0.964 χ^2/NDF: 1806881.5/33

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6254.209+/-0.956 χ^2/NDF: 2410298.8/38

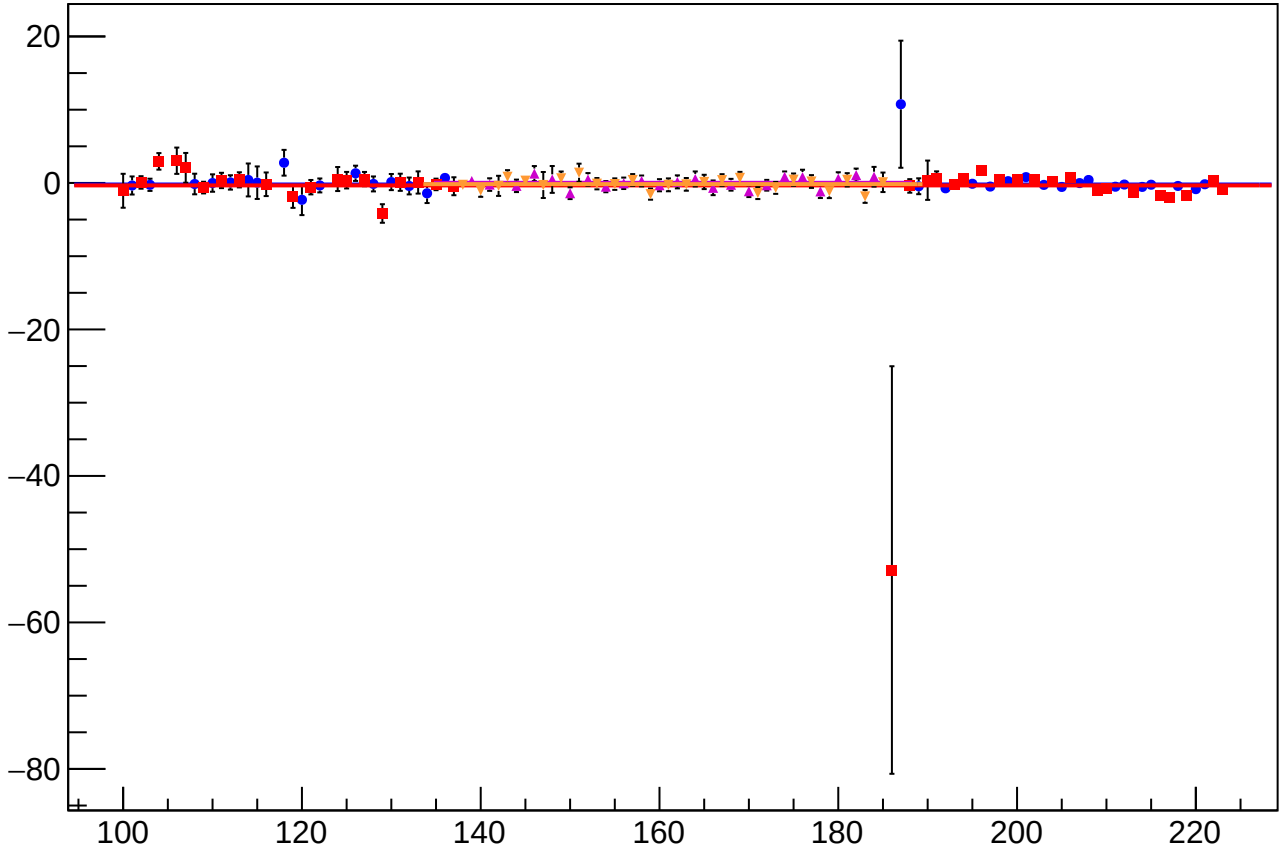
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6373.967+/-0.713 χ^2/NDF: 2222598.3/58

All: 6368.923+/-0.506 χ^2/NDF: 5178572.8/12

- sign 6363.821+/-0.717 χ^2/NDF: 2955873.9/61

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.212+/-0.109 χ^2/NDF: 21.6/33

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.336+/-0.111 χ^2/NDF: 104.4/38

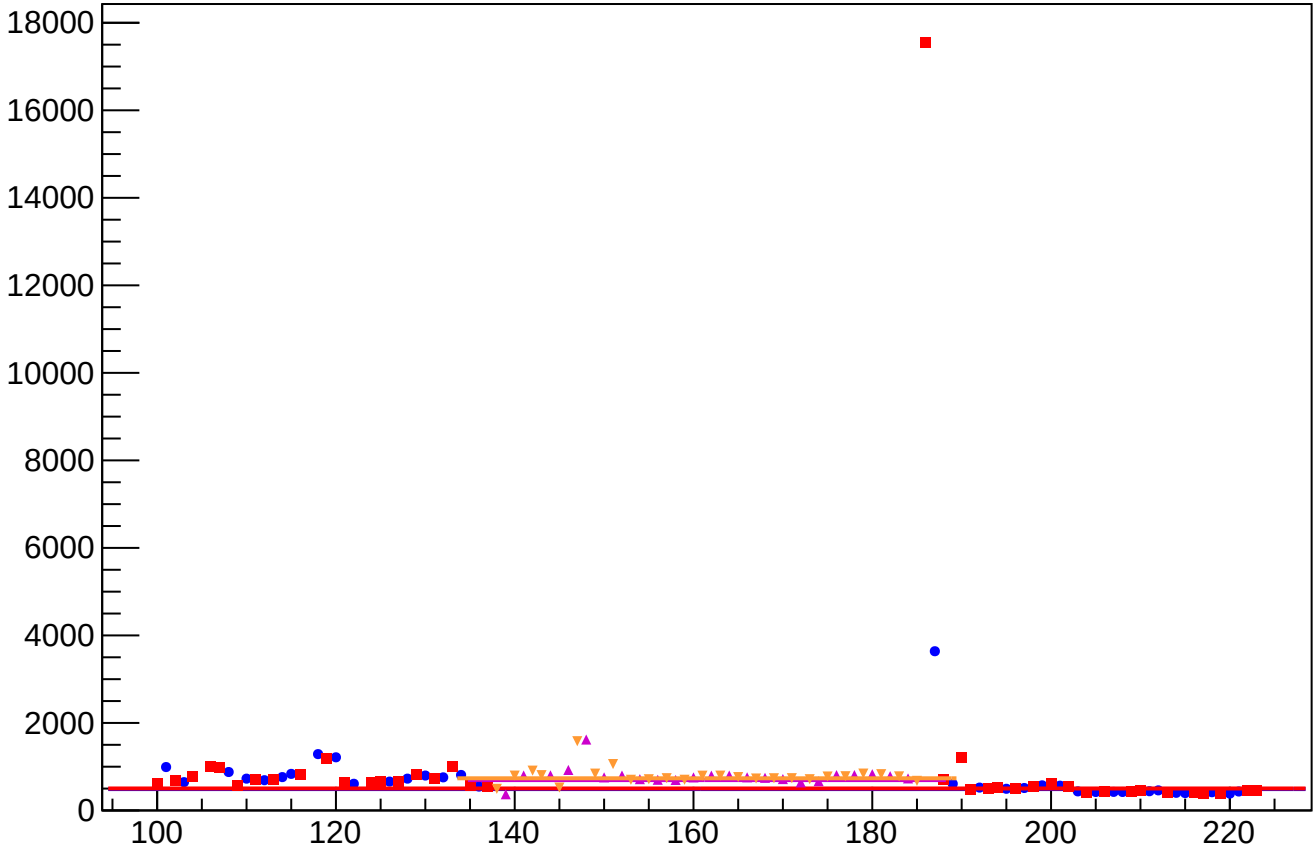
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.198+/-0.092 χ^2/NDF: 40.7/58

All: -0.214+/-0.065 χ^2/NDF: 163.4/120

- sign -0.230+/-0.093 χ^2/NDF: 122.7/61

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 488.671+/-0.077 χ^2/NDF: 2994202.1/33

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 502.282+/-0.078 χ^2/NDF: 3420627.9/38

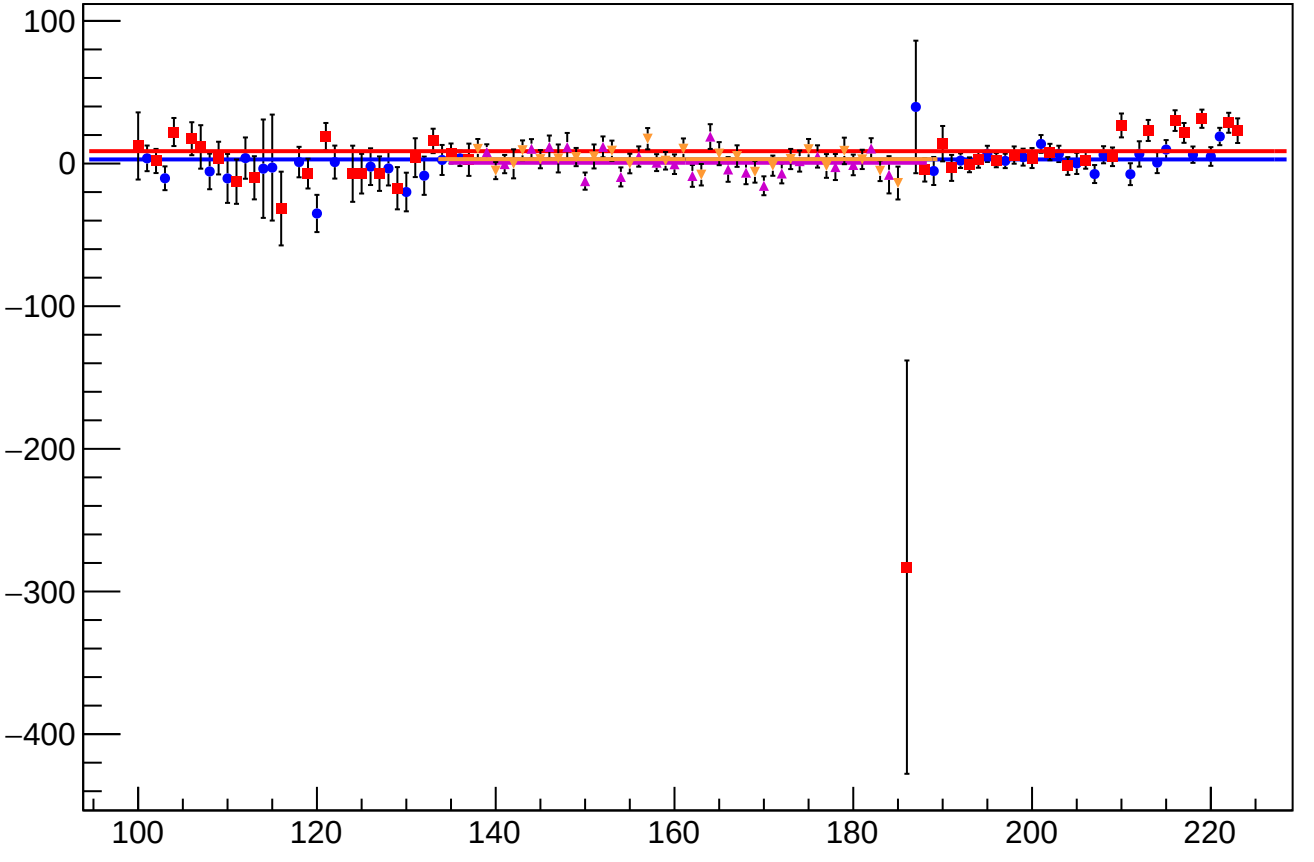
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 558.884+/-0.065 χ^2/NDF: 7262314.4/58

All: 559.412+/-0.046 χ^2/NDF: 14709757.5/12

- sign 559.949+/-0.066 χ^2/NDF: 7447309.8/61

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 2.898+/-1.338 χ^2/NDF: 35.2/33

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 8.683+/-1.326 χ^2/NDF: 84.0/38

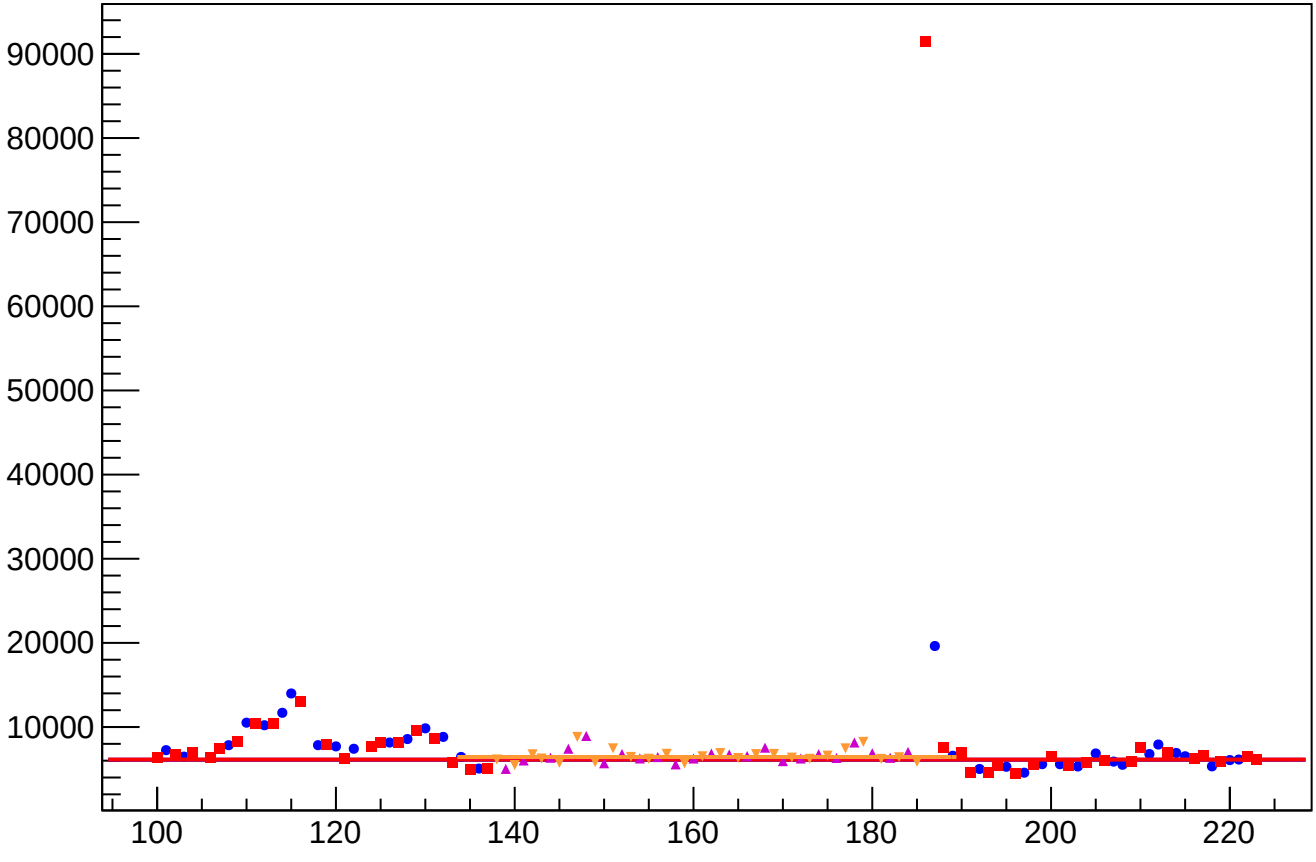
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.994+/-0.991 χ^2/NDF: 54.0/58

All: 4.065+/-0.703 χ^2/NDF: 190.2/120

- sign 5.149+/-0.997 χ^2/NDF: 133.9/61

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6108.331+/-0.946 χ^2/NDF: 1837759.3/33

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

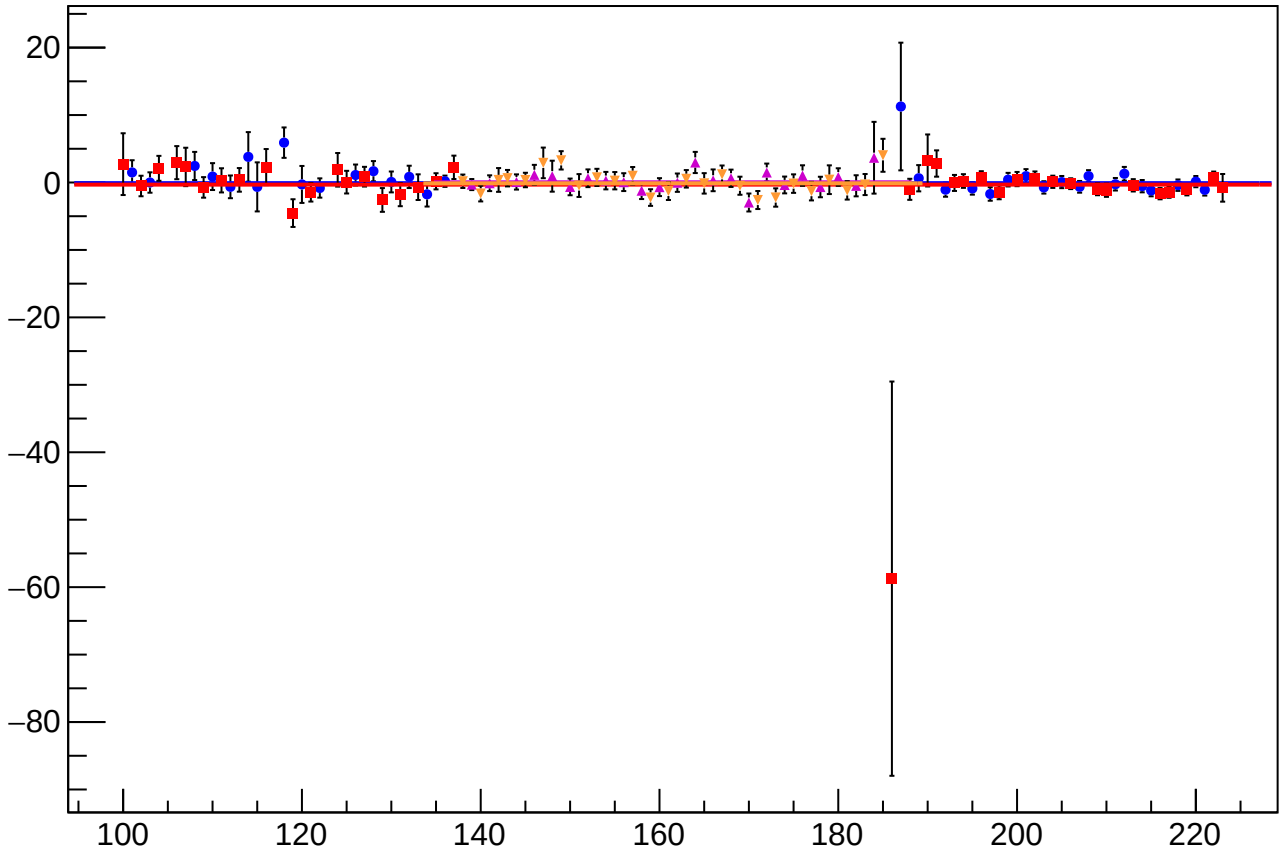
Right Out: 6128.841+/-0.938 χ^2/NDF: 2437273.8/38

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6255.774+/-0.701 χ^2/NDF: 2308978.7/58

All: 6252.382+/-0.497 χ^2/NDF: 5309144.3/12

- sign 6248.951+/-0.705 χ^2/NDF: 3000118.4/61



Right In: -0.097+/-0.200 χ^2/NDF: 28.9/33

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.317+/-0.202 χ^2/NDF: 37.6/38

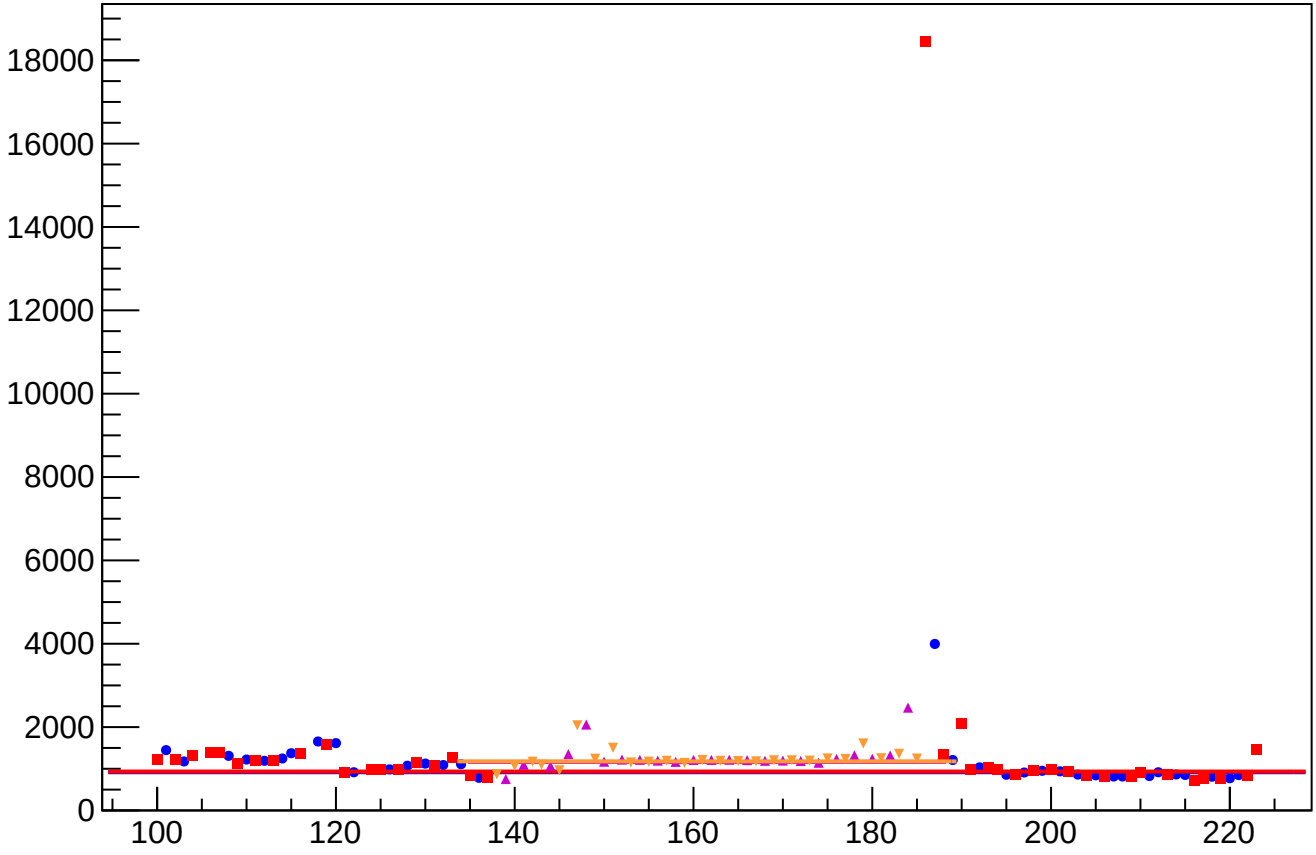
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.106+/-0.161 χ^2/NDF: 55.9/58

All: -0.151+/-0.115 χ^2/NDF: 109.1/120

- sign -0.198+/-0.164 χ^2/NDF: 53.1/61

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 917.341+/-0.141 χ^2/NDF: 1462501.7/33

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

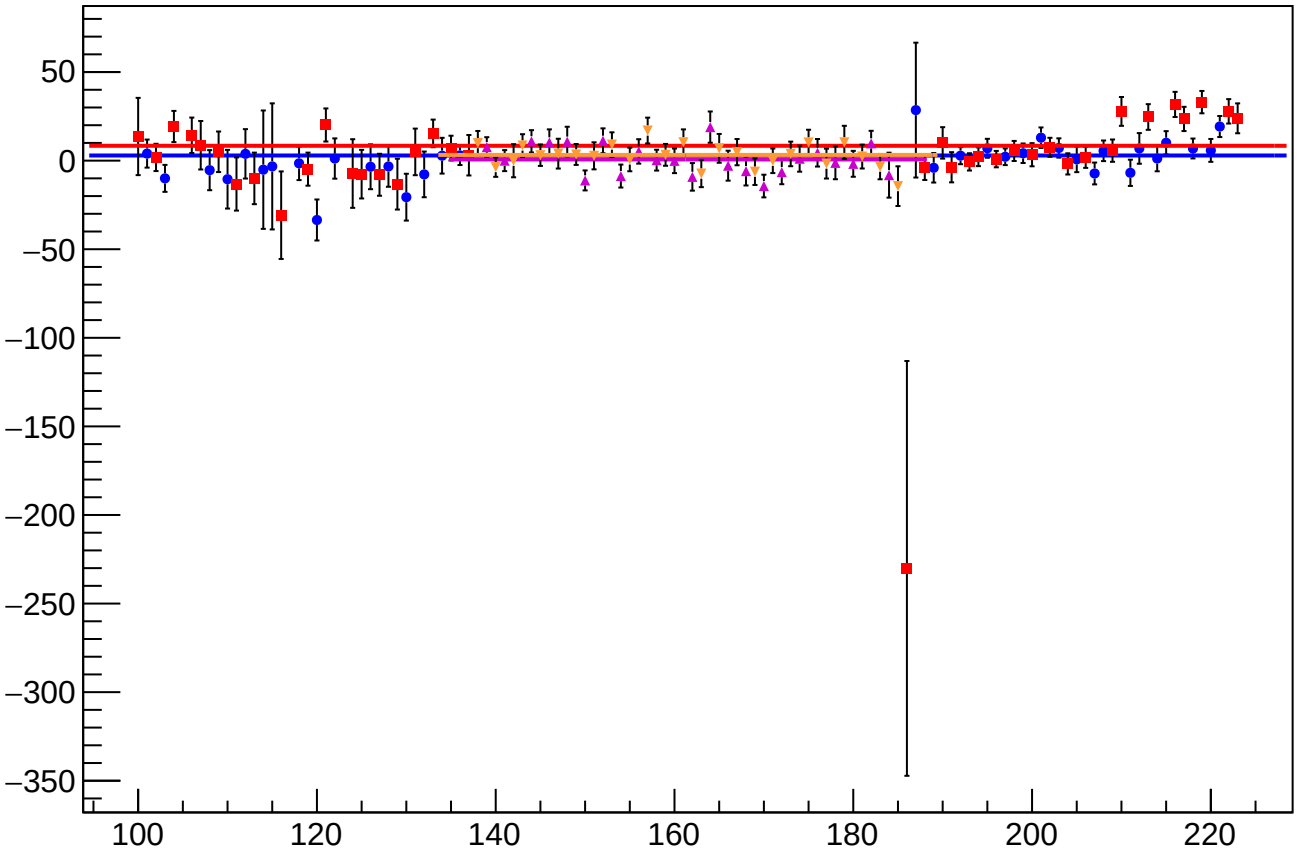
Right Out: 933.656+/-0.143 χ^2/NDF: 2448768.3/38

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1007.956+/-0.114 χ^2/NDF: 3446596.7/58

All: 1010.417+/-0.081 χ^2/NDF: 7843511.5/12

- sign 1012.947+/-0.116 χ^2/NDF: 4395970.3/61



Right In: 2.908+/-1.275 χ^2/NDF: 38.6/33

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 8.387+/-1.254 χ^2/NDF: 94.6/38

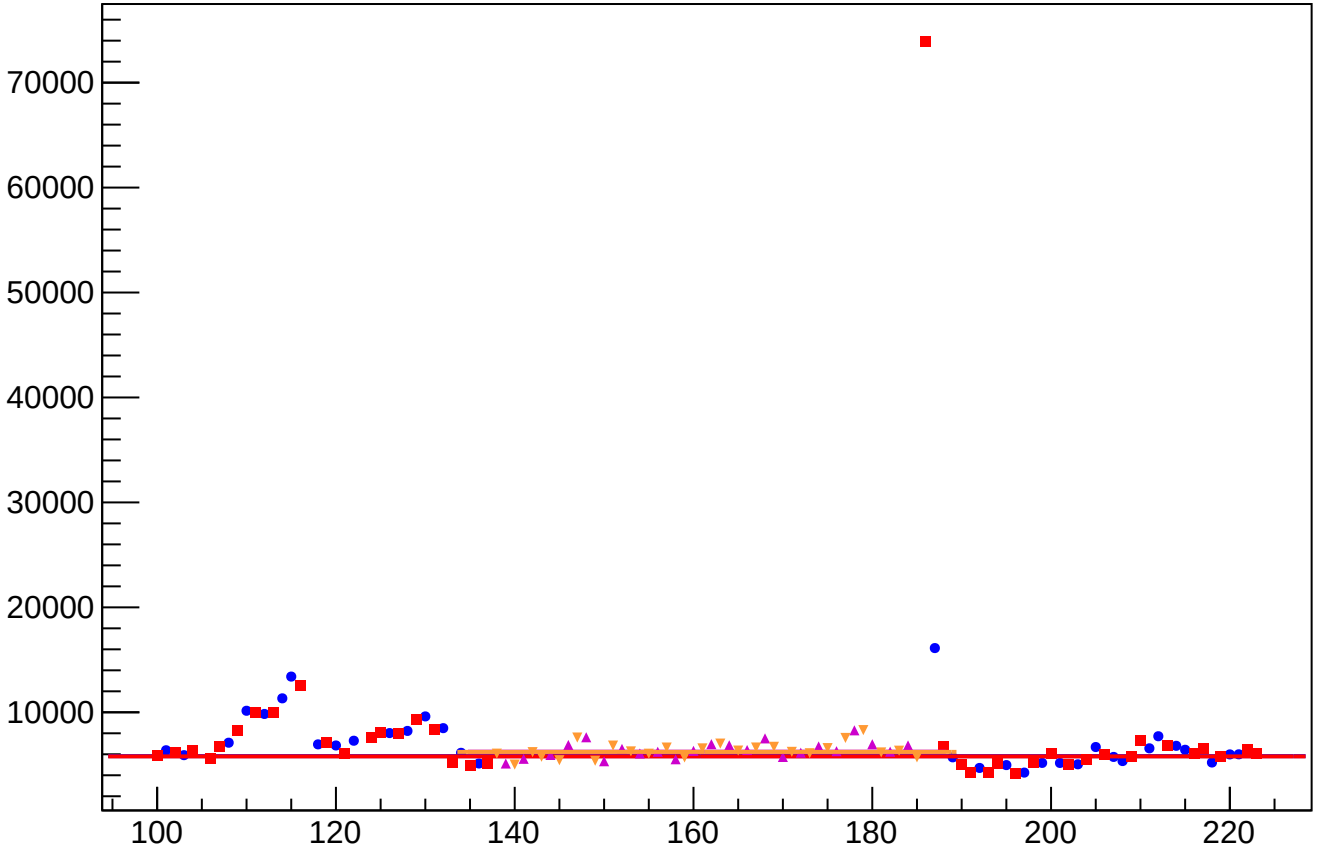
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 3.053+/-0.951 χ^2/NDF: 56.5/58

All: 4.094+/-0.674 χ^2/NDF: 201.8/120

- sign 5.144+/-0.955 χ^2/NDF: 142.8/61

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5822.841+/-0.901 χ^2/NDF: 1855087.9/33

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5797.823+/-0.887 χ^2/NDF: 2527768.2/38

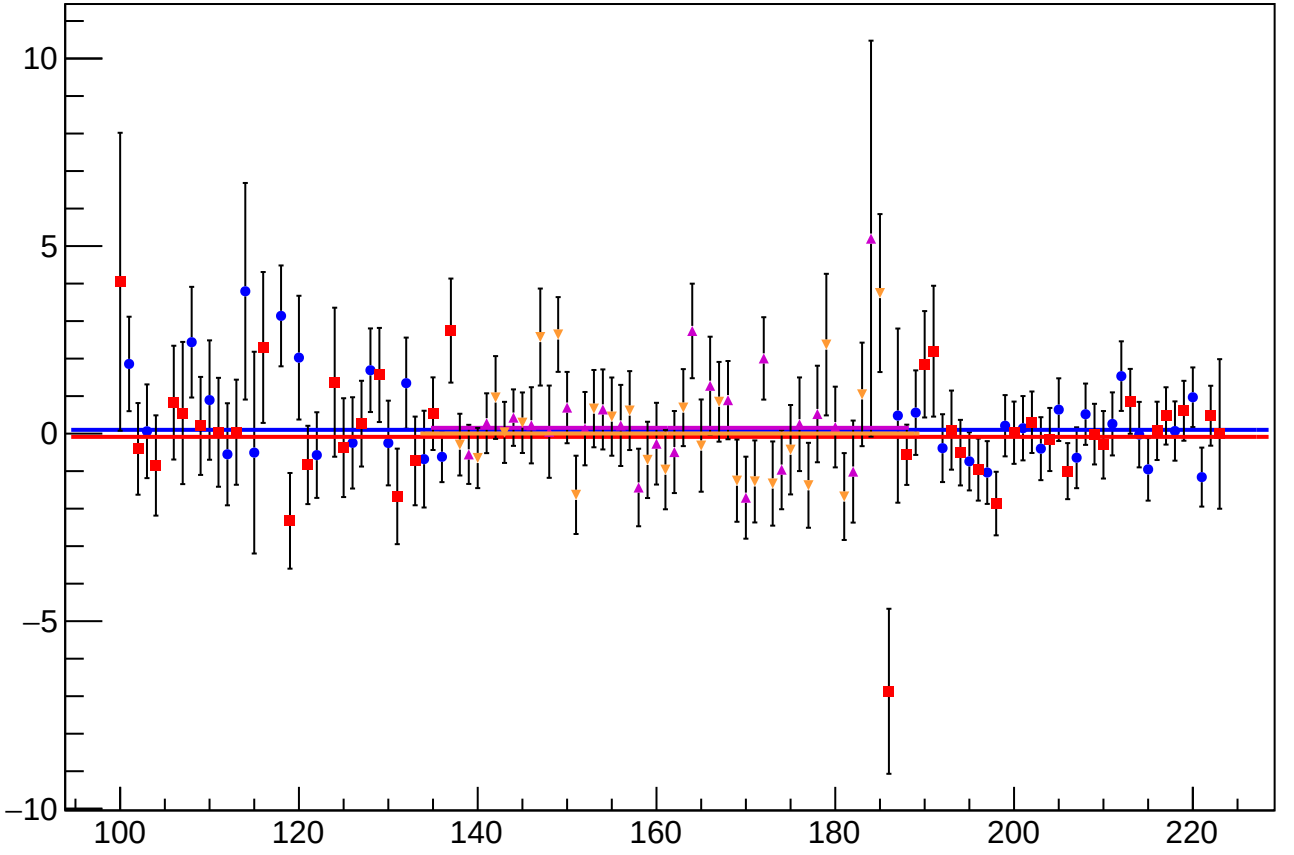
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6002.598+/-0.673 χ^2/NDF: 2415713.4/58

All: 5994.546+/-0.477 χ^2/NDF: 5536406.3/12

- sign 5986.432+/-0.675 χ^2/NDF: 3120405.4/61

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.101+/-0.170 χ^2/NDF: 31.4/33

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.087+/-0.169 χ^2/NDF: 39.9/38

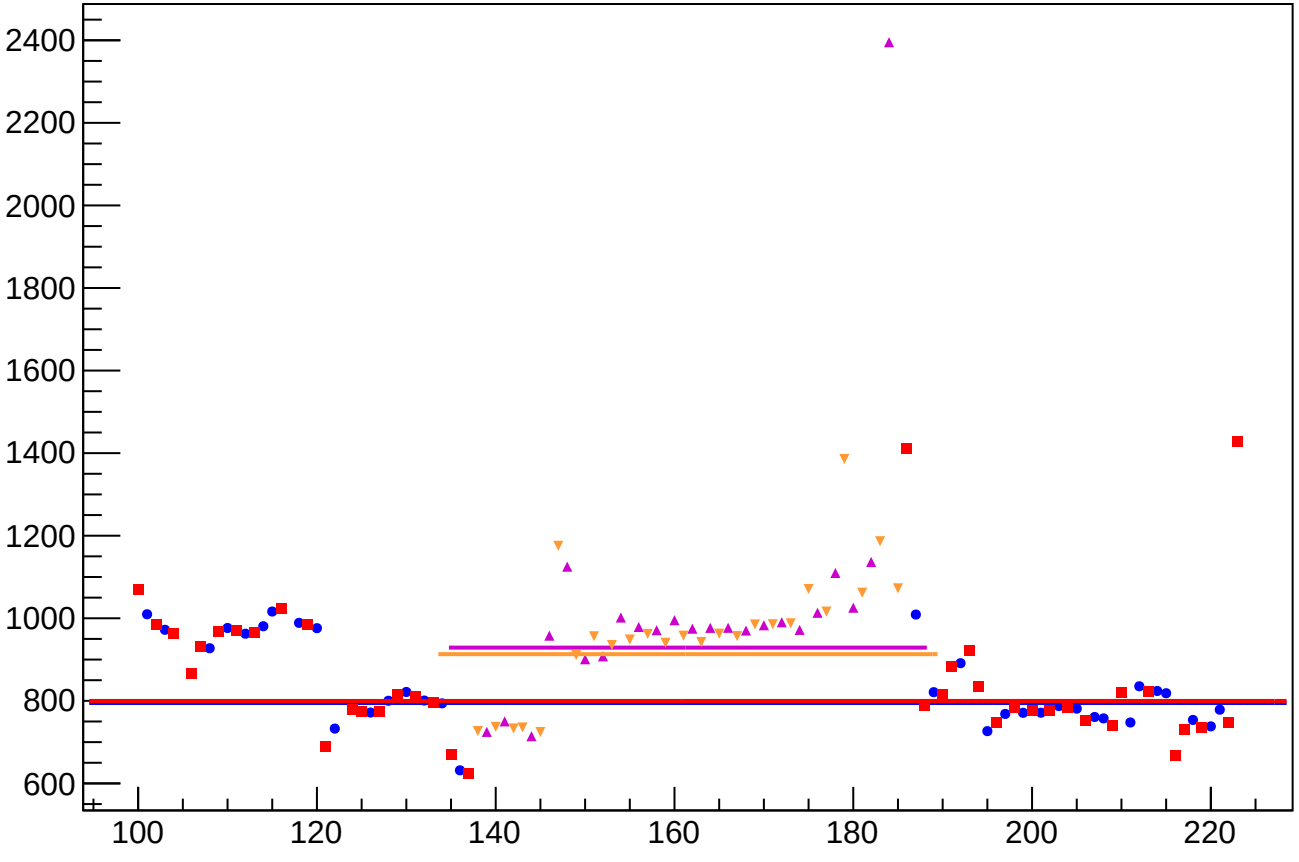
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.062+/-0.133 χ^2/NDF: 63.2/58

All: 0.033+/-0.094 χ^2/NDF: 122.3/120

- sign 0.002+/-0.134 χ^2/NDF: 59.1/61

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 794.792+/-0.120 χ^2/NDF: 483804.9/33

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

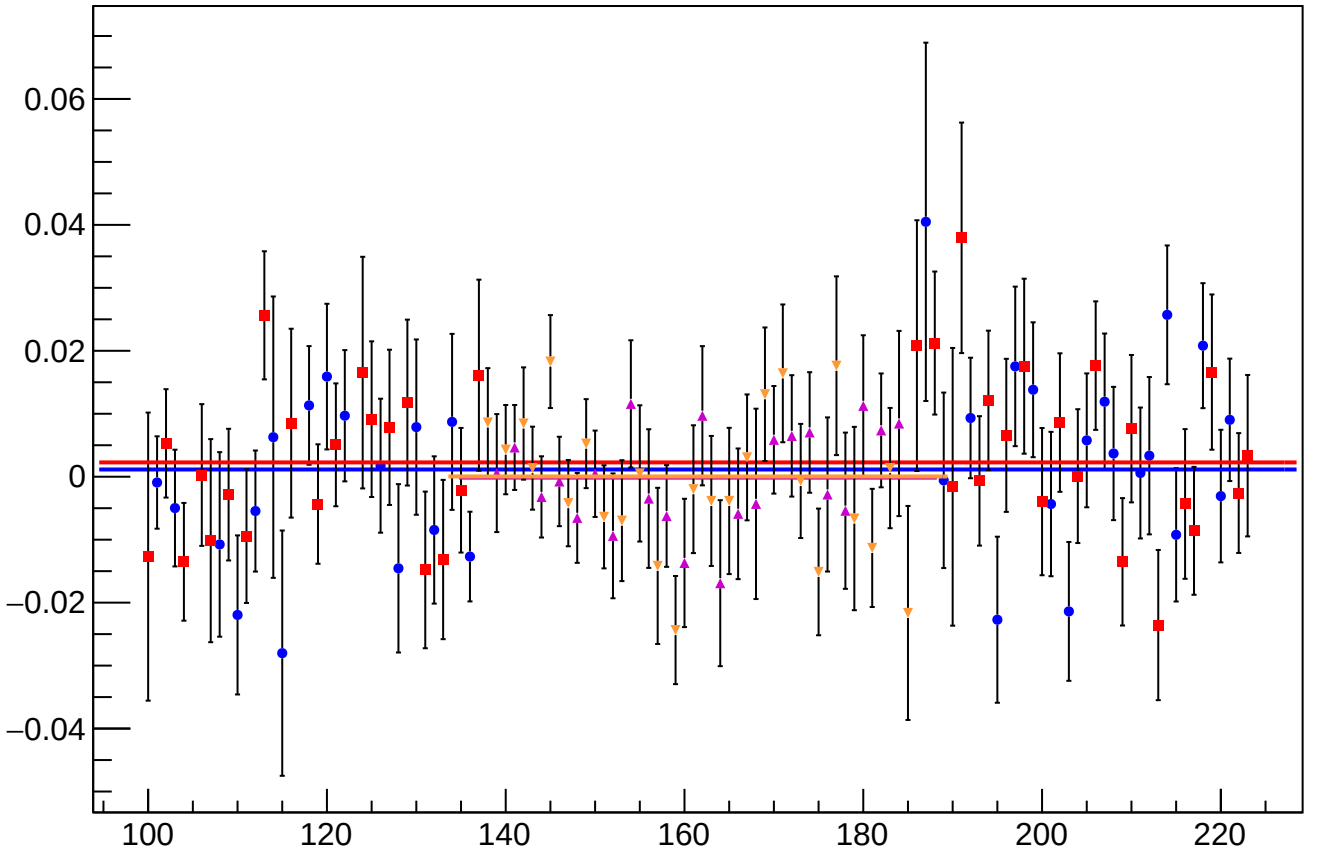
Right Out: 799.768+/-0.119 χ^2/NDF: 865893.3/38

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 841.194+/-0.094 χ^2/NDF: 1751595.1/58

All: 844.209+/-0.067 χ^2/NDF: 3820043.0/120

- sign 847.286+/-0.095 χ^2/NDF: 2066362.6/61



Right In: 0.001+/-0.002 χ^2/NDF: 42.4/33

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.002+/-0.002 χ^2/NDF: 40.6/38

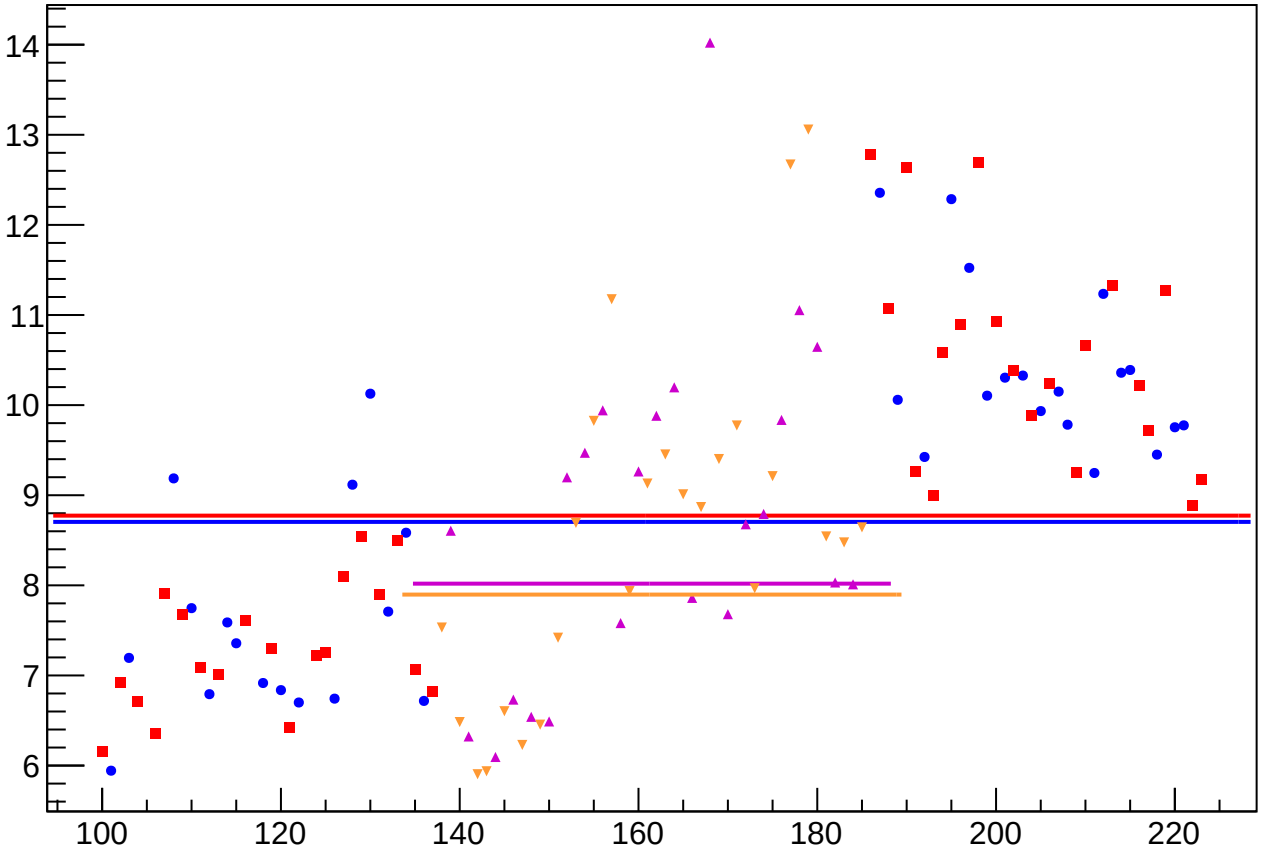
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign 0.001+/-0.001 χ^2/NDF: 73.7/58

All: 0.001+/-0.001 χ^2/NDF: 128.0/120

- sign 0.001+/-0.001 χ^2/NDF: 54.2/61

diff_dispE_bpm12X_rms vs Slug



Right In: 8.704+/-0.001 χ^2/NDF: 1650739.1/33

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

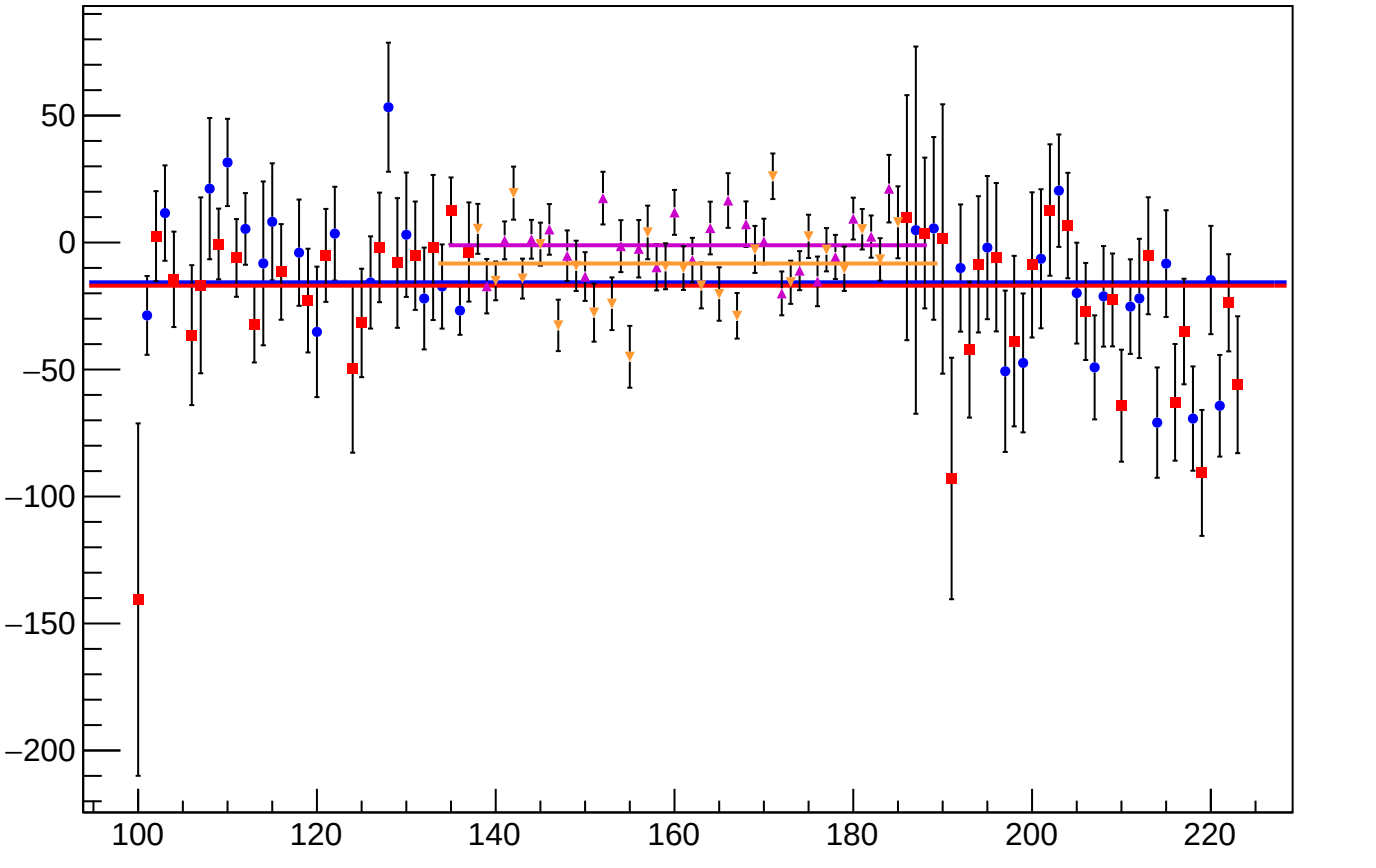
Right Out: 8.774+/-0.001 χ^2/NDF: 1729317.6/38

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.290+/-0.001 χ^2/NDF: 3427927.5/58

All: 8.347+/-0.001 χ^2/NDF: 6779009.8/120

- sign 8.405+/-0.001 χ^2/NDF: 3343644.4/61



Right In: -15.664+/-3.476 χ^2/NDF: 55.4/33

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

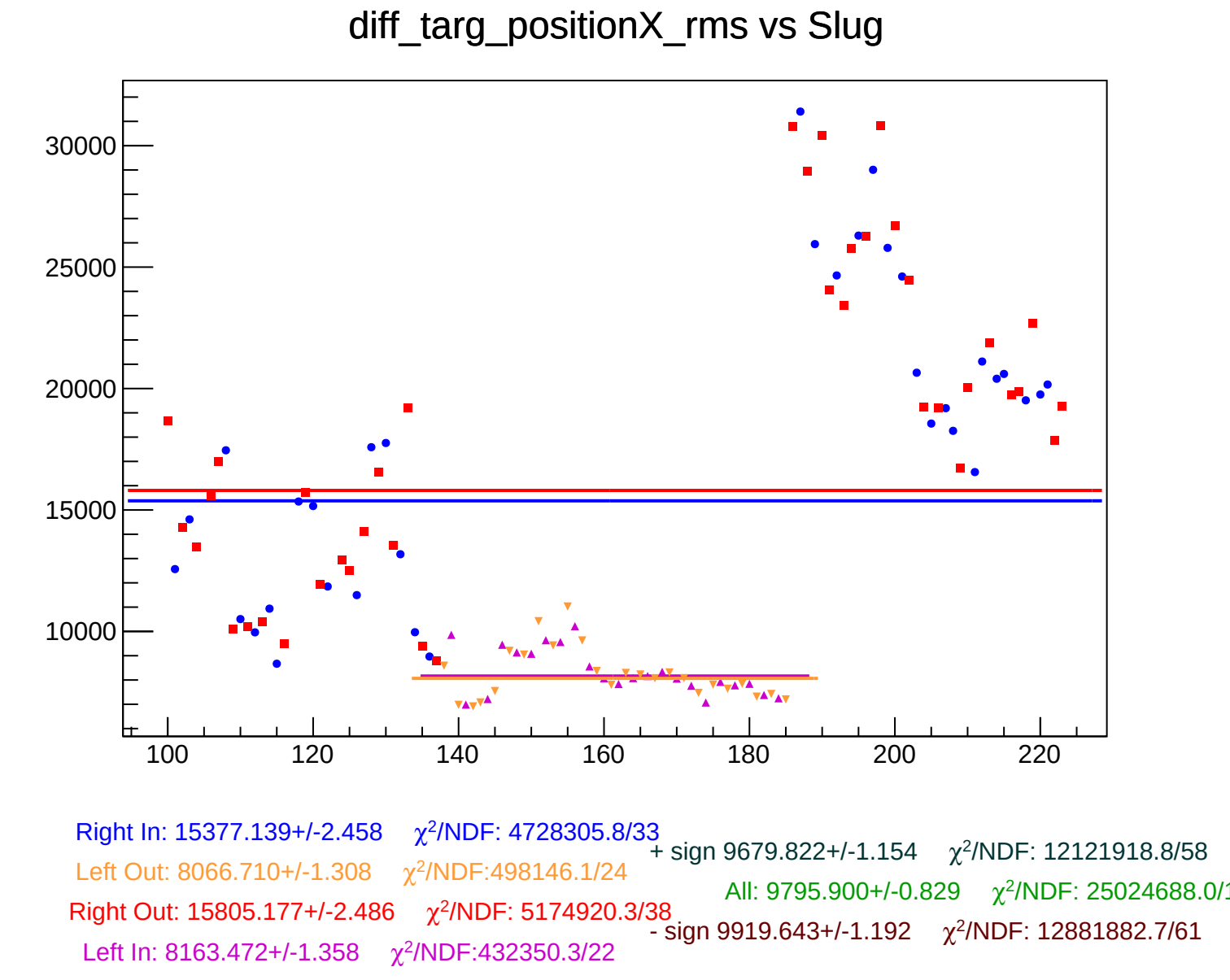
Right Out: -16.990+/-3.516 χ^2/NDF: 45.3/38

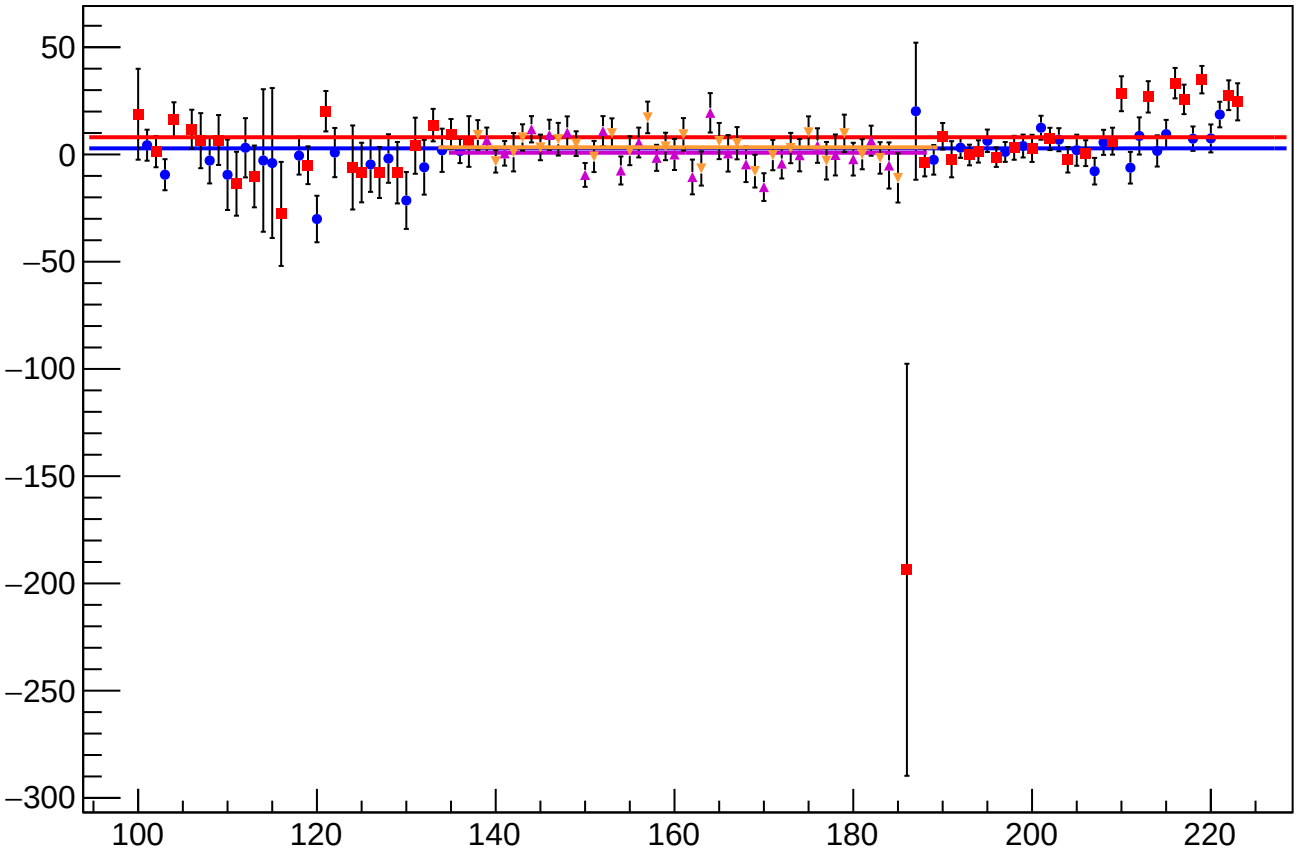
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -9.891+/-1.633 χ^2/NDF: 121.1/58

All: -7.393+/-1.173 χ^2/NDF: 215.8/120

- sign -4.730+/-1.686 χ^2/NDF: 89.9/61


diff_targ_positionX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15377.139+/-2.458 χ²/NDF: 4728305.8/33
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 15805.177+/-2.486 χ²/NDF: 5174920.3/38
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
+ sign 9679.822+/-1.154 χ²/NDF: 12121918.8/58
All: 9795.900+/-0.829 χ²/NDF: 25024688.0/1
- sign 9919.643+/-1.192 χ²/NDF: 12881882.7/61



Right In: 2.845+/-1.255 χ^2/NDF: 37.0/33

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 8.032+/-1.223 χ^2/NDF: 103.4/38

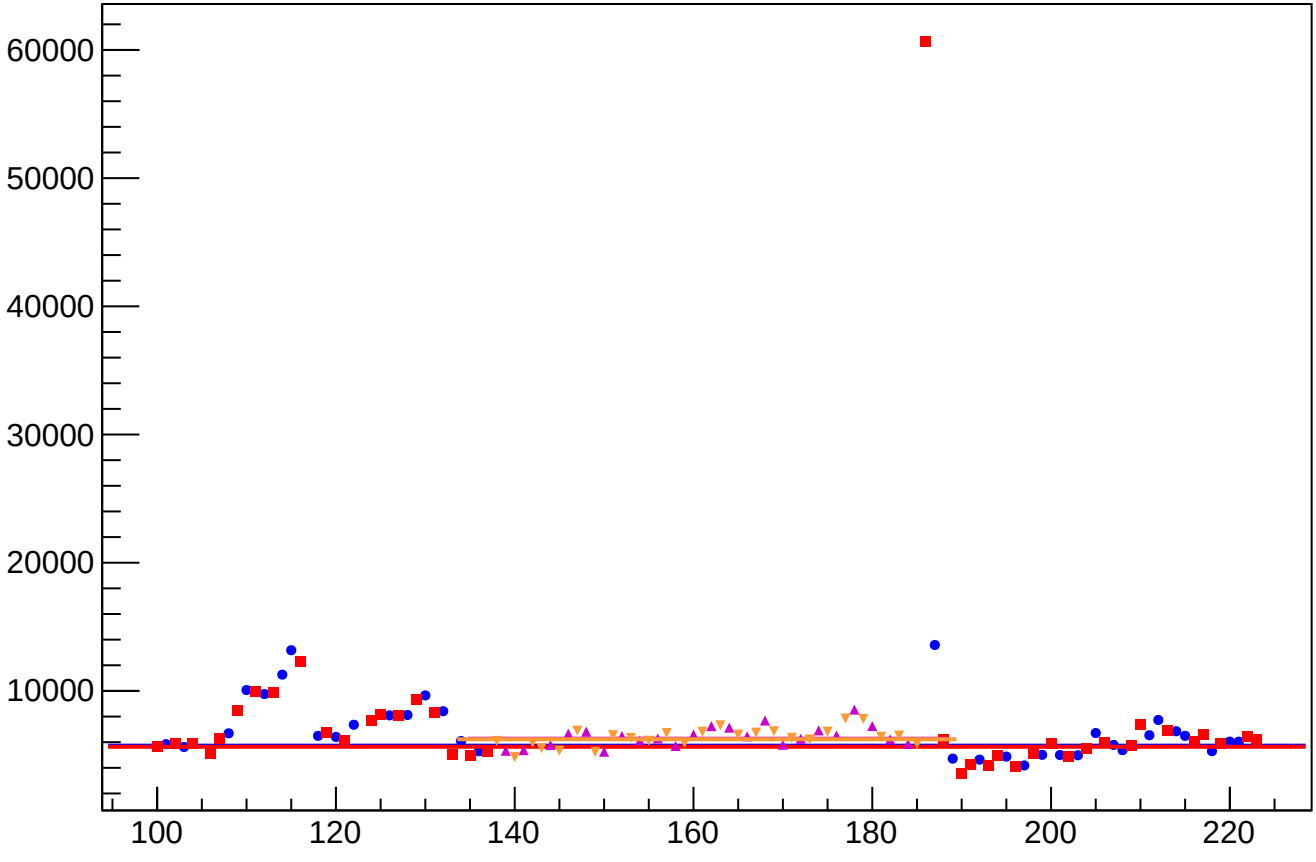
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 3.056+/-0.943 χ^2/NDF: 54.0/58

All: 4.075+/-0.667 χ^2/NDF: 203.3/120

- sign 5.093+/-0.942 χ^2/NDF: 147.0/61

diff_targ_positionY_rms vs Slug



Right In: 5729.400+/-0.887 χ^2/NDF: 1897205.7/33

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5642.618+/-0.865 χ^2/NDF: 2777065.4/38

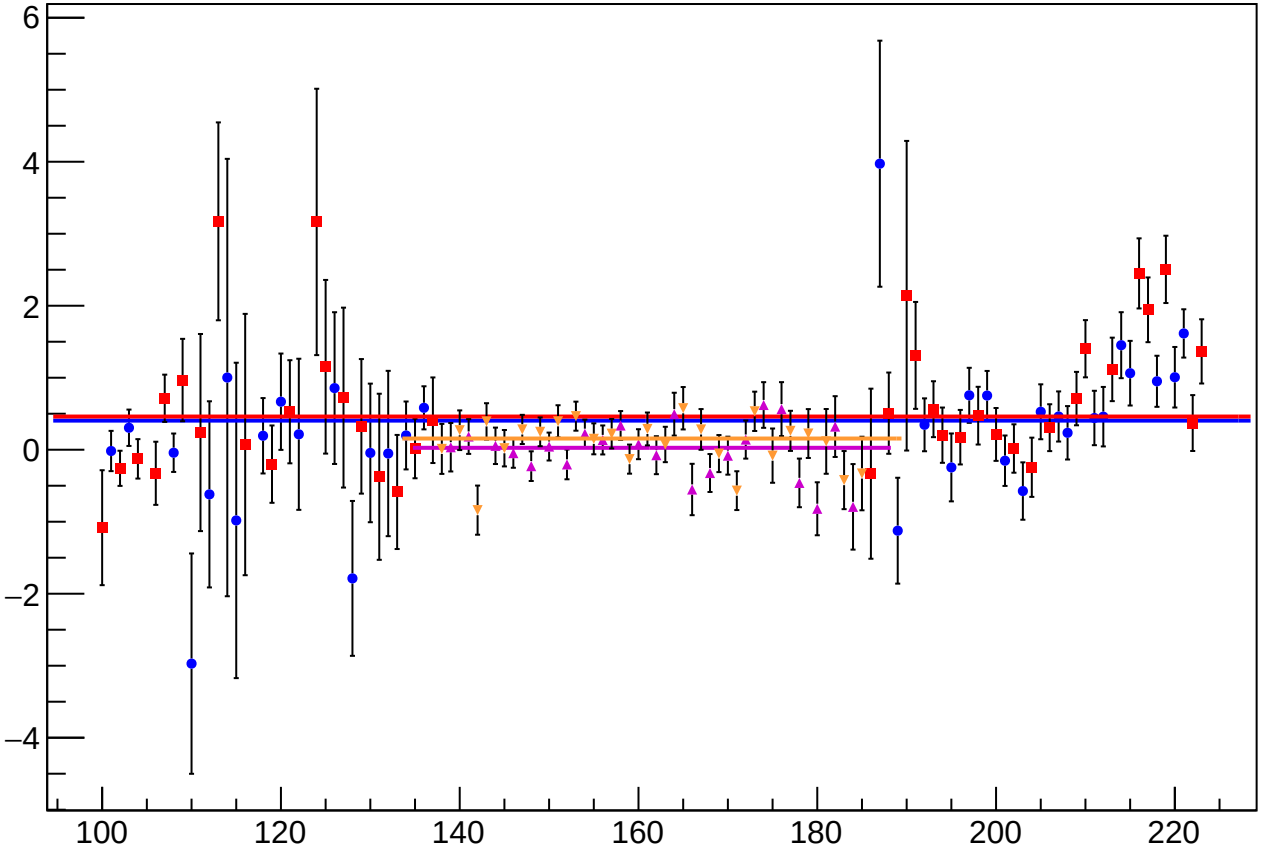
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5947.426+/-0.667 χ^2/NDF: 2568746.7/58

All: 5922.592+/-0.471 χ^2/NDF: 6067676.3/12

- sign 5897.800+/-0.666 χ^2/NDF: 3496159.0/61

diff_targ_thetaX_mean vs Slug



Right In: 0.404+/-0.074 χ^2/NDF: 63.0/33

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.461+/-0.075 χ^2/NDF: 101.0/38

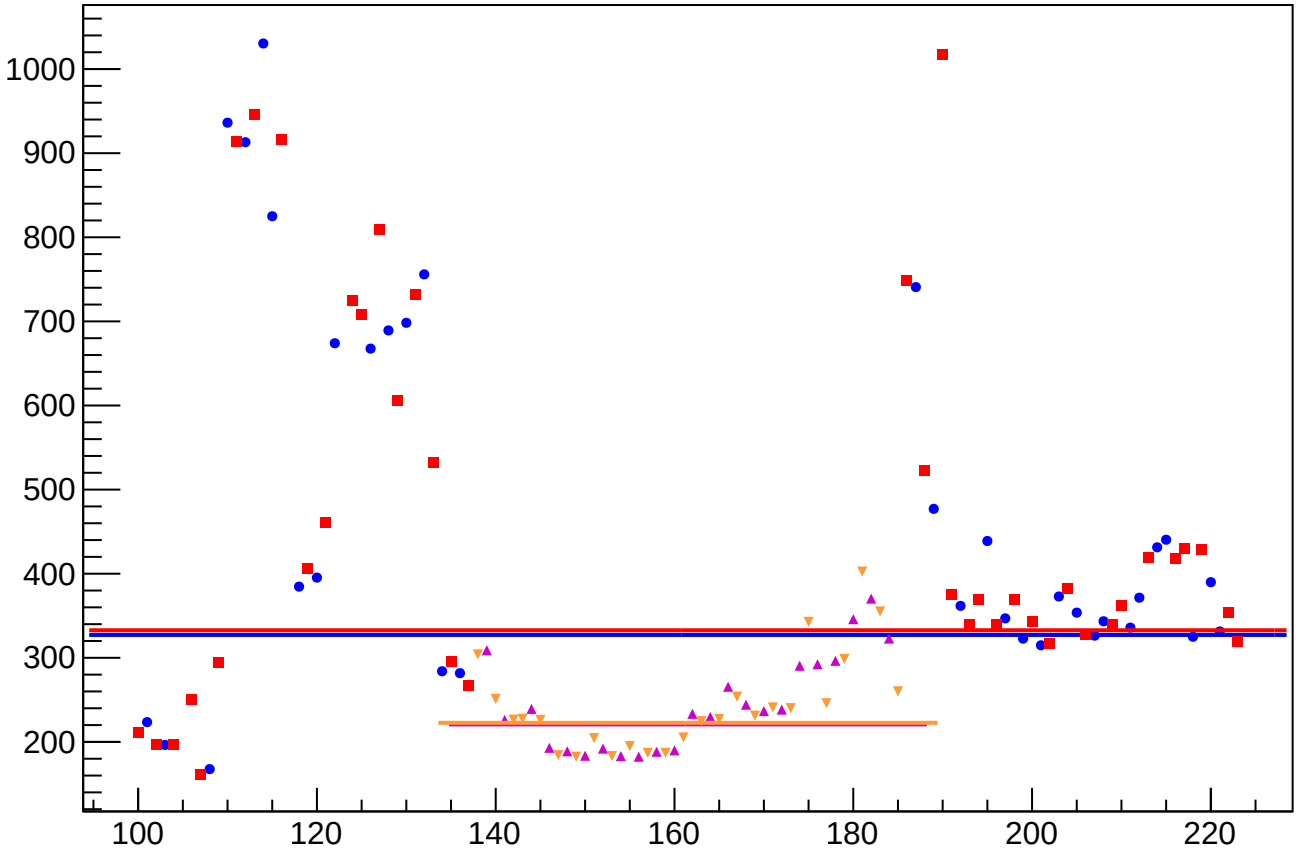
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.237+/-0.043 χ^2/NDF: 102.8/58

All: 0.205+/-0.030 χ^2/NDF: 257.3/120

- sign 0.171+/-0.043 χ^2/NDF: 153.3/61

diff_targ_thetaX_rms vs Slug



Right In: 327.192+/-0.053 χ^2/NDF: 4480315.8/33

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 332.757+/-0.053 χ^2/NDF: 5098266.5/38

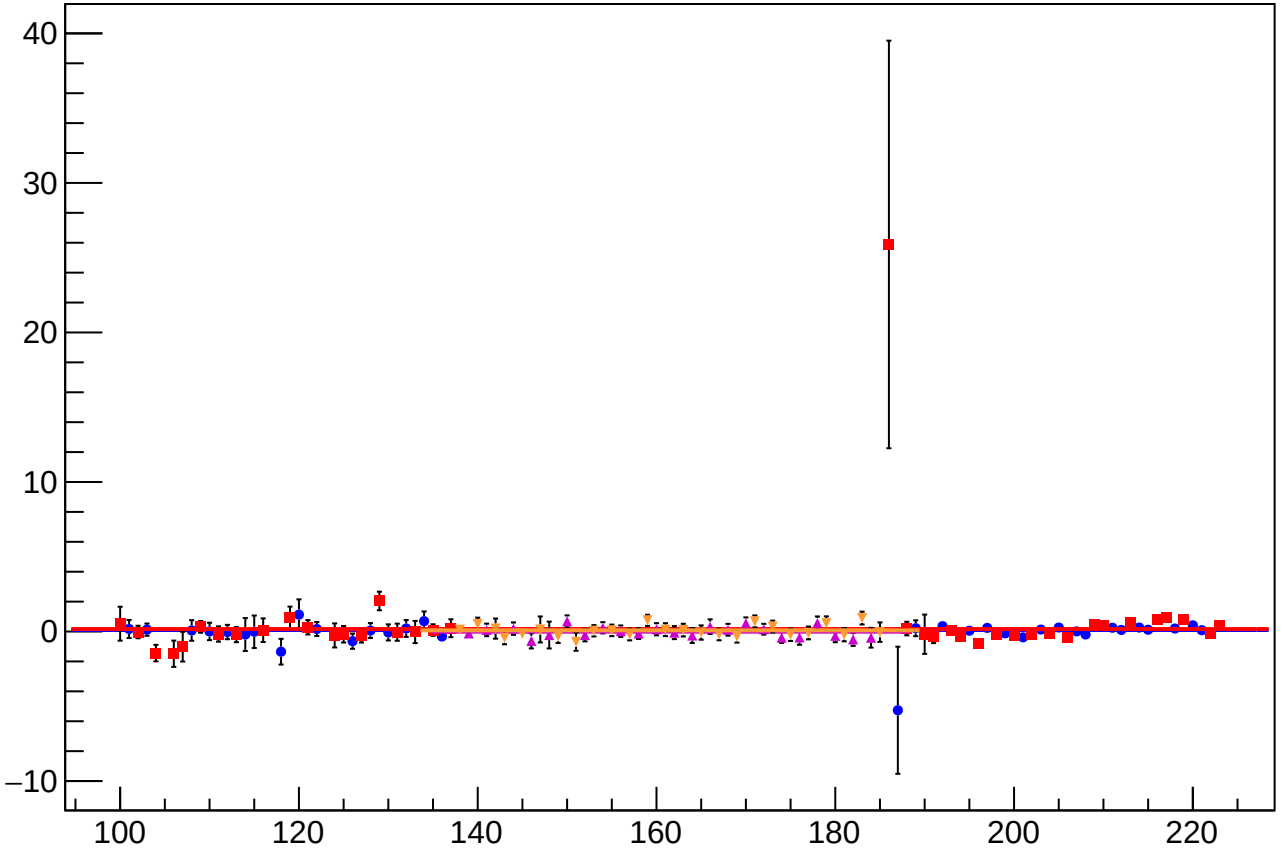
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 257.018+/-0.030 χ^2/NDF: 8590383.2/58

All: 257.551+/-0.021 χ^2/NDF: 18137395.7/12

- sign 258.101+/-0.031 χ^2/NDF: 9546376.1/61

diff_targ_thetaY_mean vs Slug



Right In: 0.104+/-0.053 χ^2/NDF: 21.6/33

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.165+/-0.054 χ^2/NDF: 104.4/38

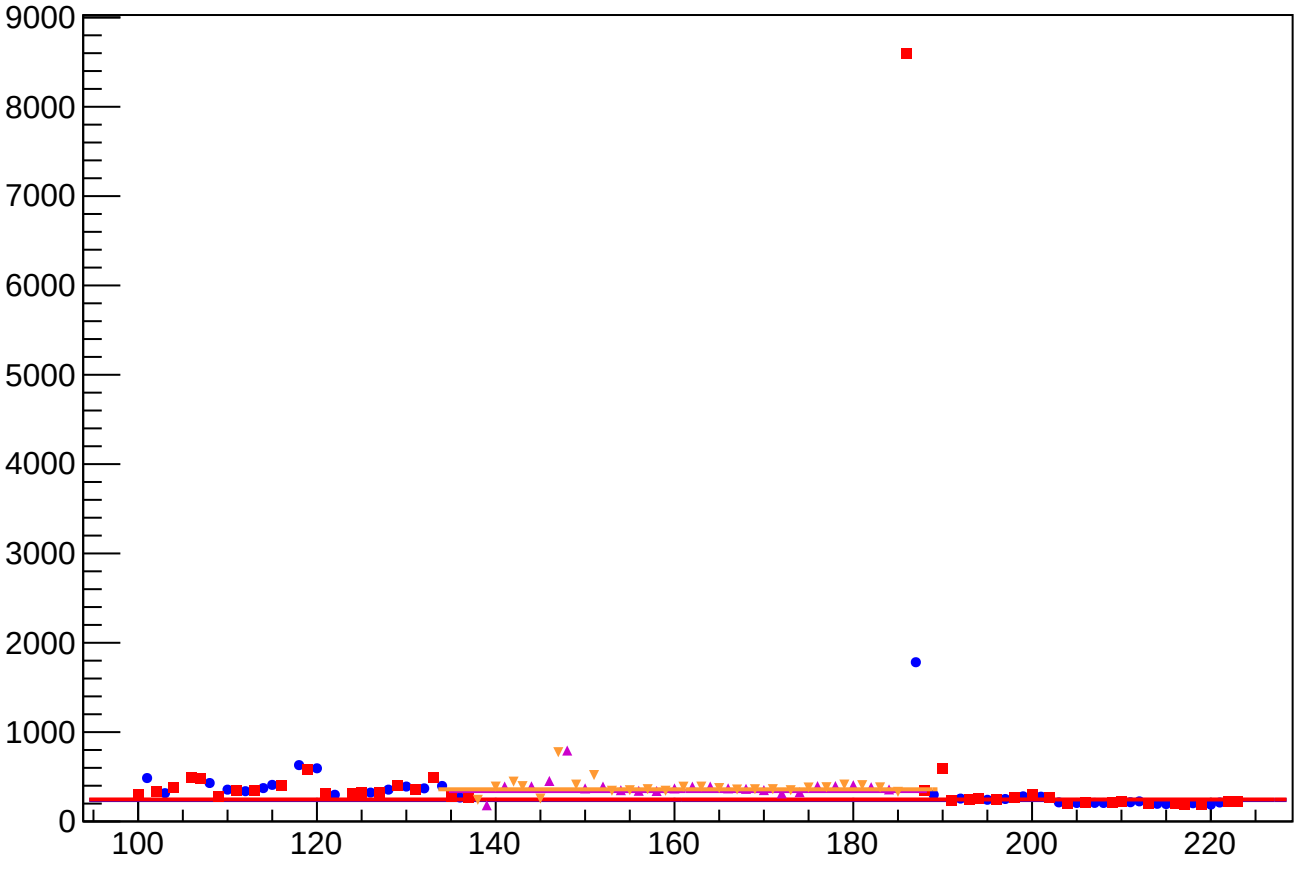
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.097+/-0.045 χ^2/NDF: 40.7/58

All: 0.105+/-0.032 χ^2/NDF: 163.4/120

- sign 0.113+/-0.045 χ^2/NDF: 122.7/61

diff_targ_thetaY_rms vs Slug



Right In: 239.369+/-0.038 χ^2/NDF: 2994202.1/33

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

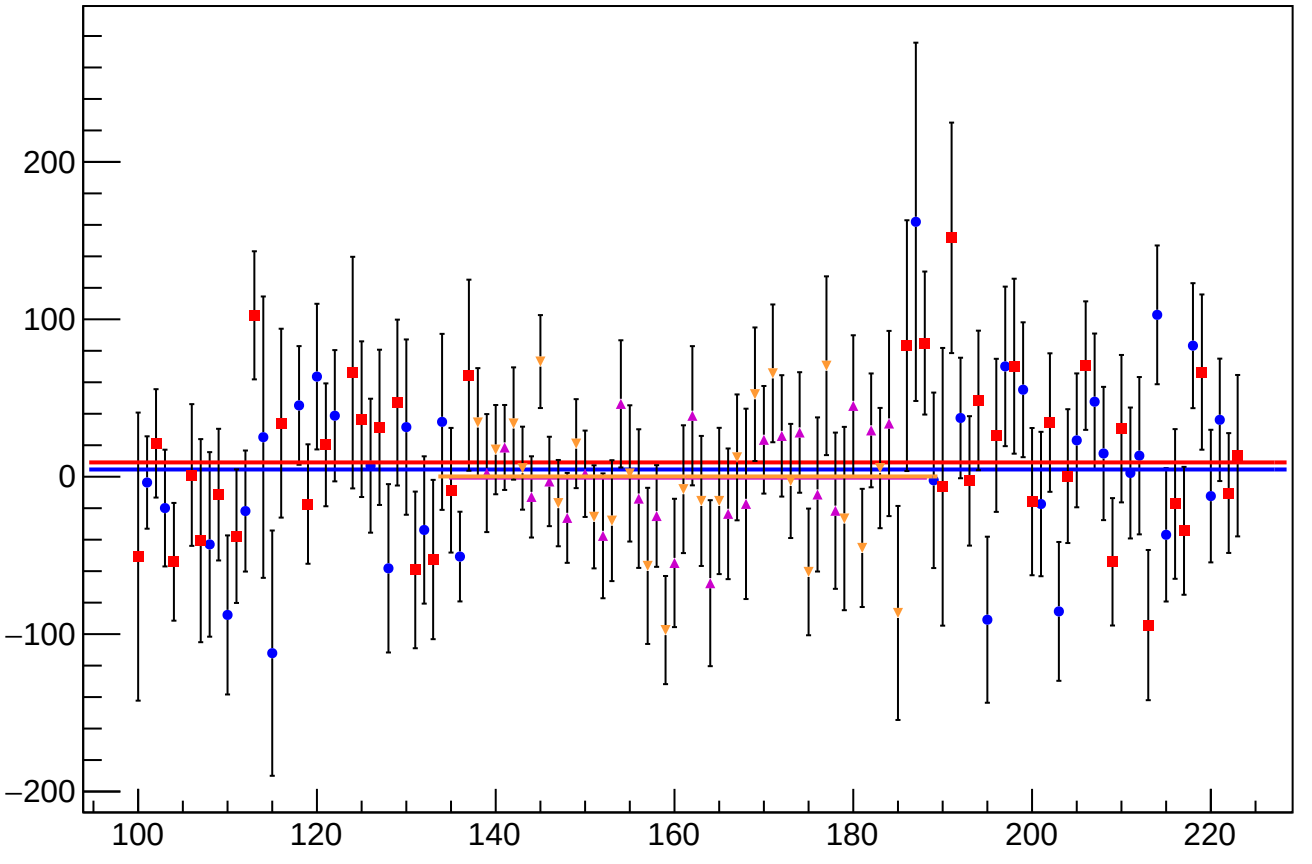
Right Out: 246.036+/-0.038 χ^2/NDF: 3420627.9/38

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 273.761+/-0.032 χ^2/NDF: 7262314.4/58

All: 274.020+/-0.023 χ^2/NDF: 14709757.5/12

- sign 274.283+/-0.032 χ^2/NDF: 7447309.8/61



Right In: 4.595+/-7.574 χ^2/NDF: 42.4/33

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

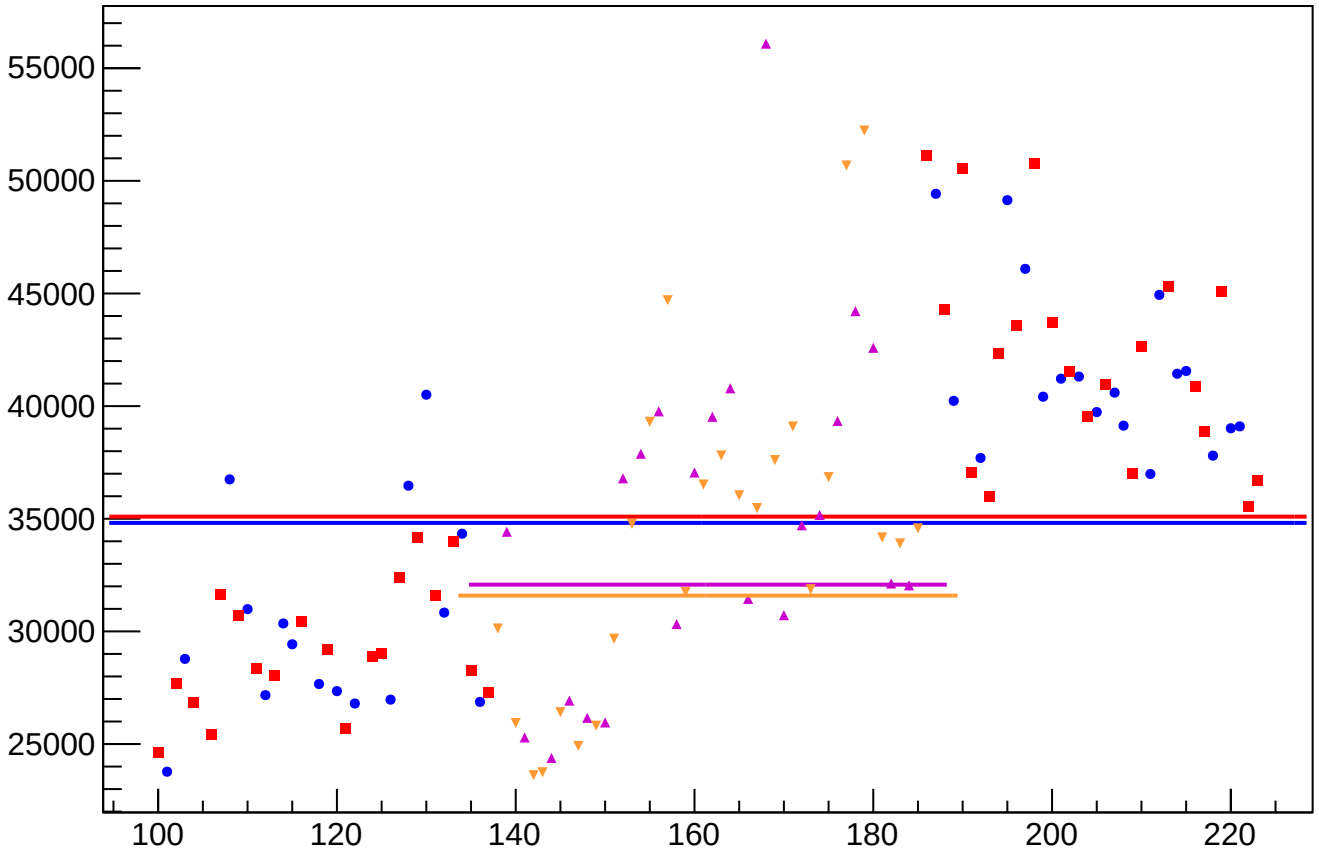
Right Out: 9.088+/-7.494 χ^2/NDF: 40.6/38

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 2.322+/-5.284 χ^2/NDF: 73.7/58

All: 3.328+/-3.763 χ^2/NDF: 128.0/120

- sign 4.362+/-5.359 χ^2/NDF: 54.2/61



Right In: 34816.399+/-5.355 χ^2/NDF: 1650739.1/33

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 35094.275+/-5.299 χ^2/NDF: 1729317.6/38

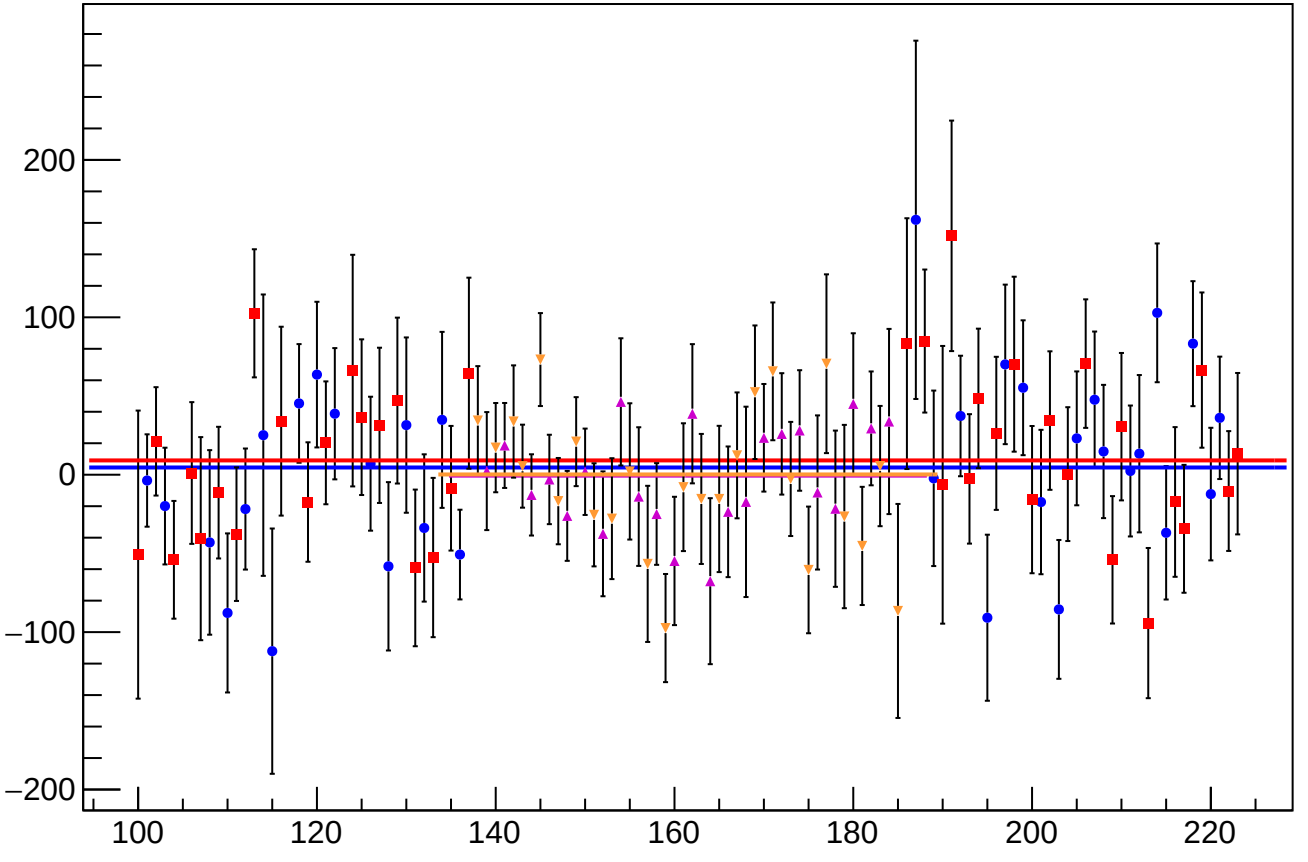
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 33160.171+/-3.736 χ^2/NDF: 3427927.5/58

All: 33386.394+/-2.661 χ^2/NDF: 6779009.8/1

- sign 33619.121+/-3.789 χ^2/NDF: 3343644.4/61

diff_bpmEX_mean vs Slug



Right In: 4.595+/-7.574 χ^2/NDF: 42.4/33

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

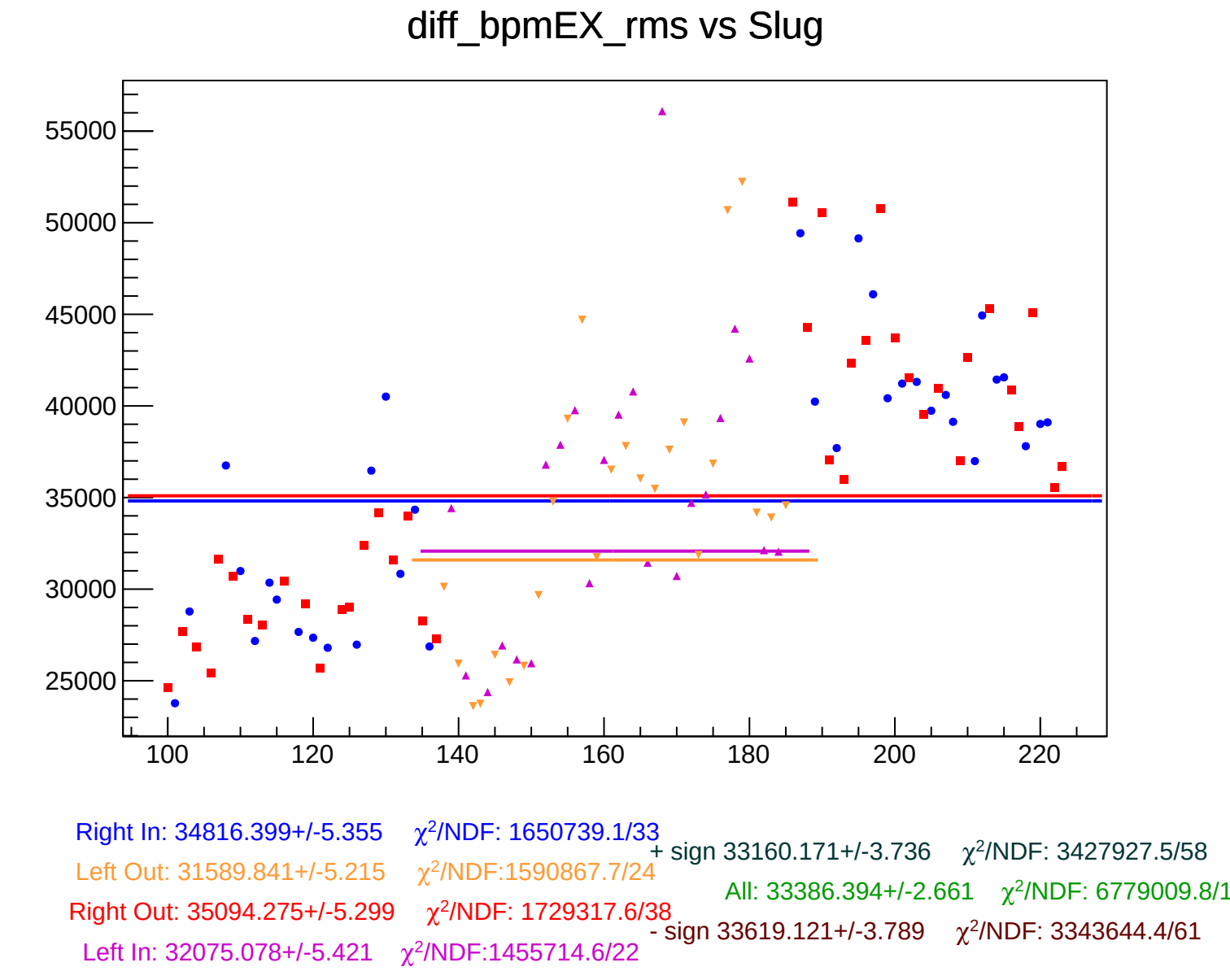
Right Out: 9.088+/-7.494 χ^2/NDF: 40.6/38

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

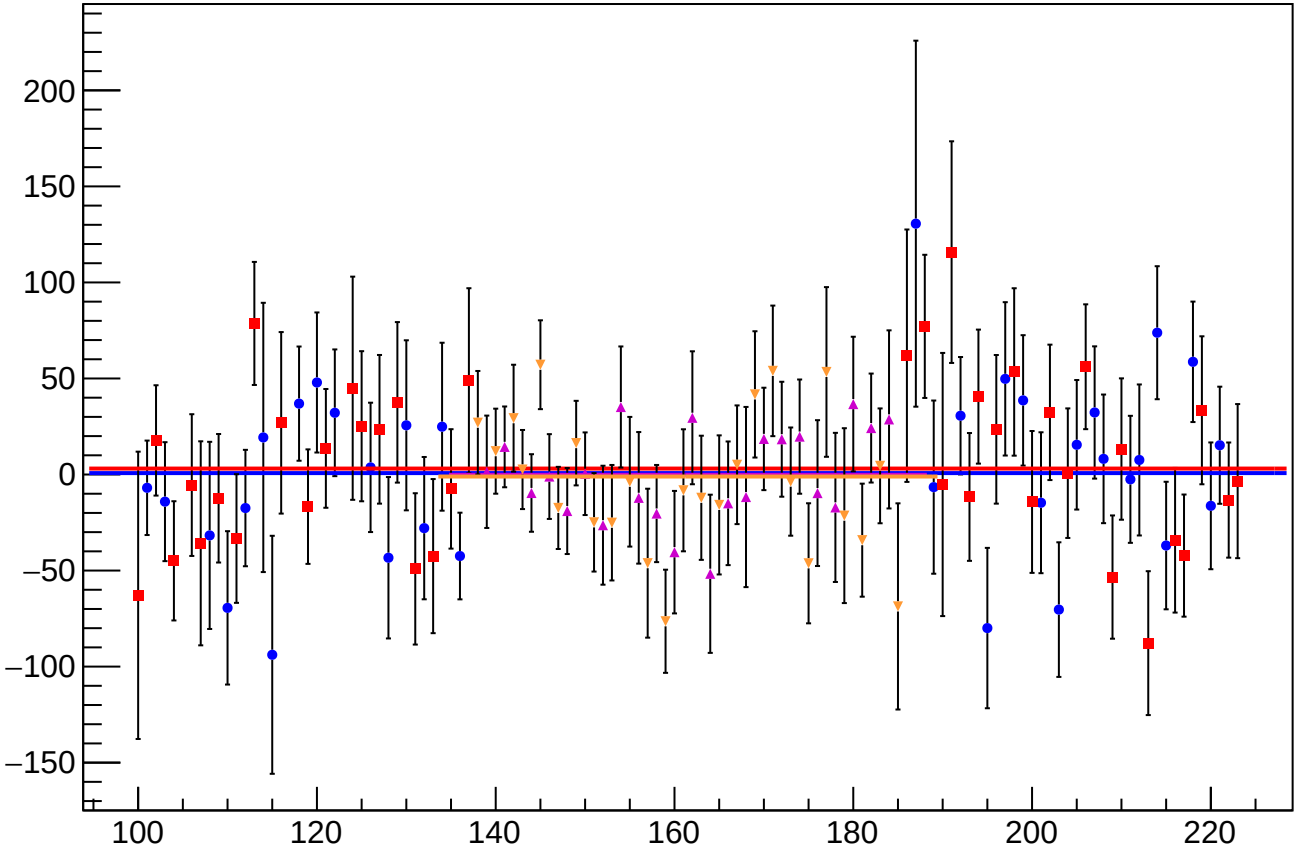
+ sign 2.322+/-5.284 χ^2/NDF: 73.7/58

All: 3.328+/-3.763 χ^2/NDF: 128.0/120

- sign 4.362+/-5.359 χ^2/NDF: 54.2/61


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34816.399+/-5.355 χ²/NDF: 1650739.1/33
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35094.275+/-5.299 χ²/NDF: 1729317.6/38
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 33160.171+/-3.736 χ²/NDF: 3427927.5/58
All: 33386.394+/-2.661 χ²/NDF: 6779009.8/1
- sign 33619.121+/-3.789 χ²/NDF: 3343644.4/61

diff_bpmE_11X12X_mean vs Slug



Right In: 0.738+/-6.029 χ^2/NDF: 41.1/33

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

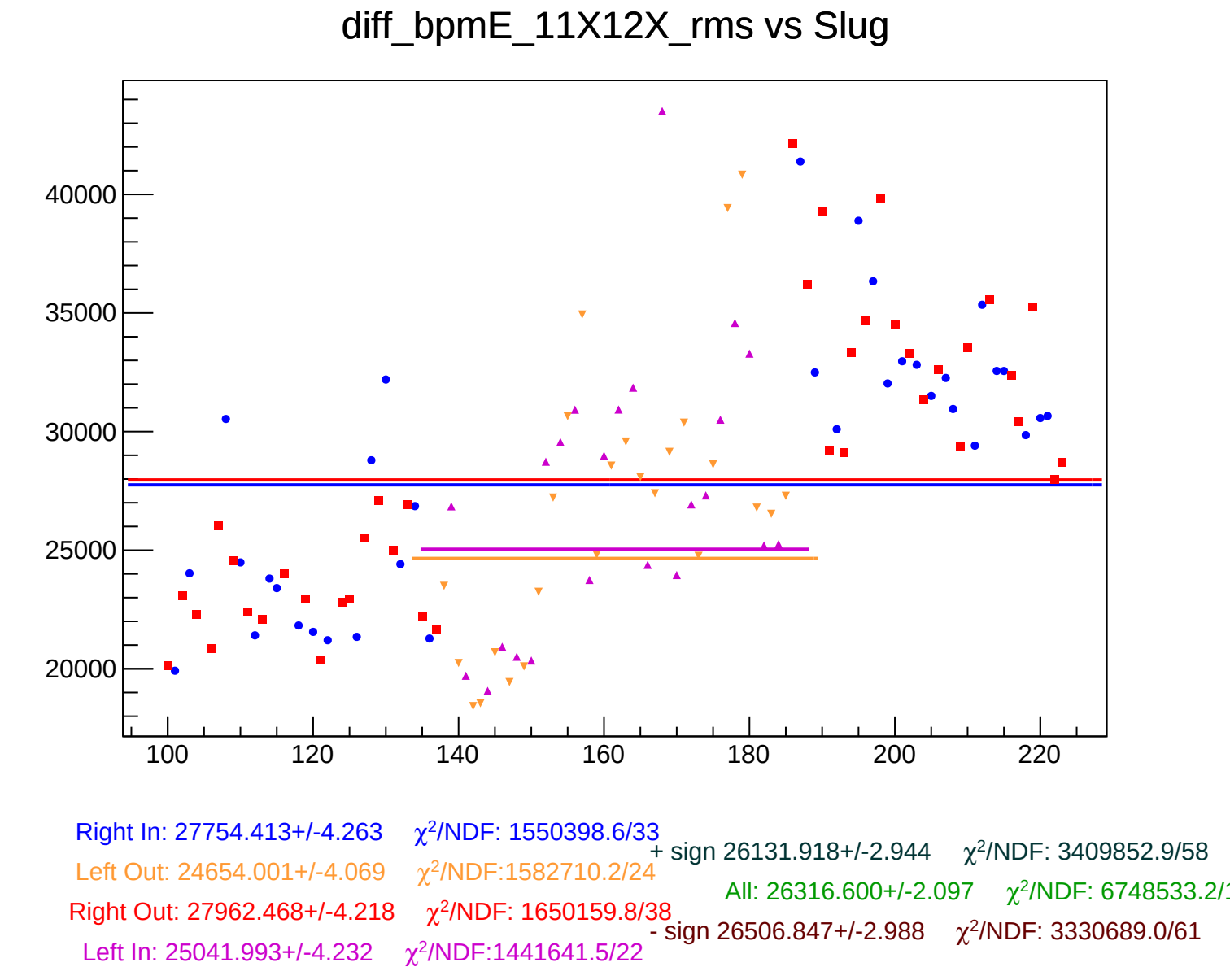
Right Out: 3.097+/-5.966 χ^2/NDF: 45.8/38

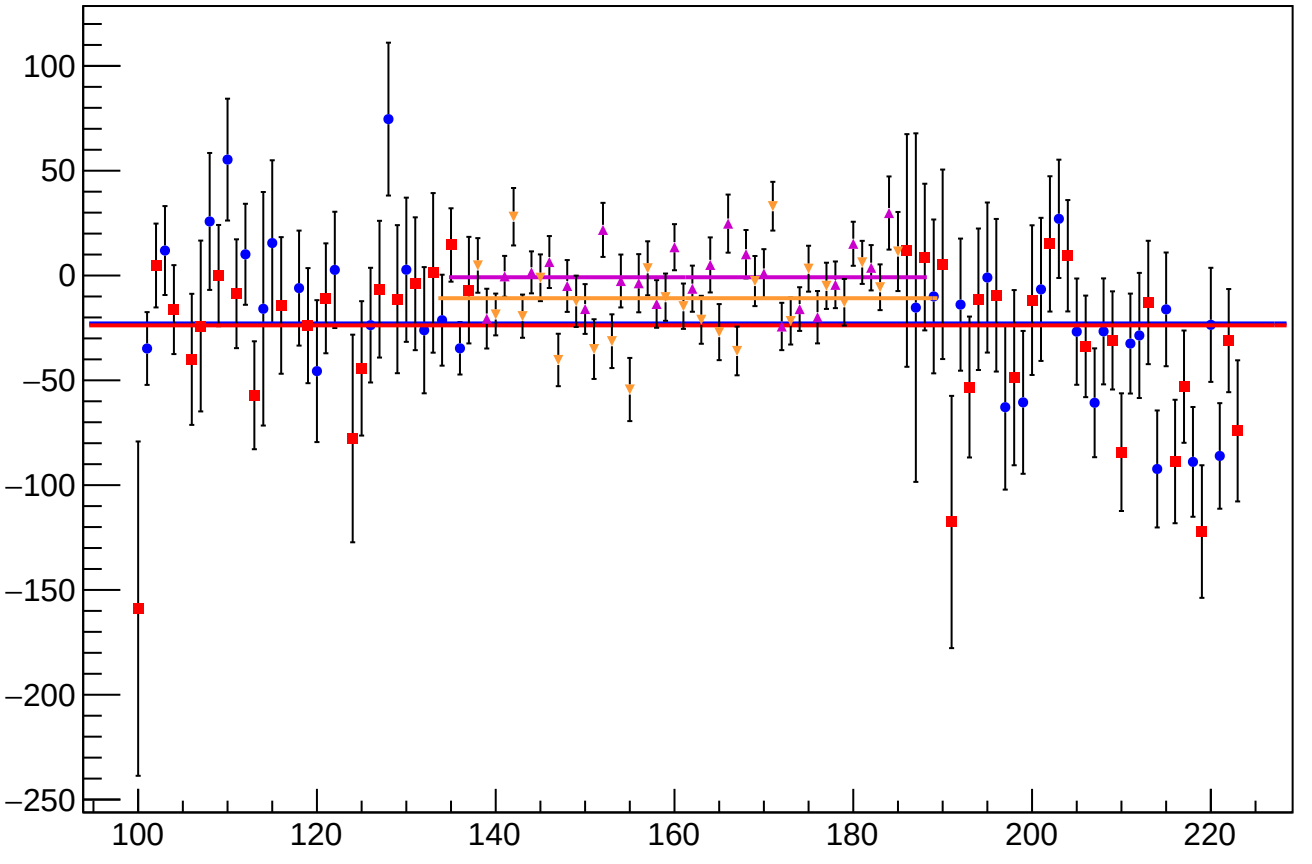
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -0.193+/-4.163 χ^2/NDF: 73.4/58

All: 0.631+/-2.965 χ^2/NDF: 131.6/120

- sign 1.480+/-4.225 χ^2/NDF: 58.1/61


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
120
140
160
180
200
220
Right In: 27754.413+/-4.263 χ²/NDF: 1550398.6/33
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 27962.468+/-4.218 χ²/NDF: 1650159.8/38
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 26131.918+/-2.944 χ²/NDF: 3409852.9/58
All: 26316.600+/-2.097 χ²/NDF: 6748533.2/1
- sign 26506.847+/-2.988 χ²/NDF: 3330689.0/61



Right In: -22.866+/-4.602 χ^2/NDF: 53.2/33

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -23.779+/-4.728 χ^2/NDF: 48.4/38

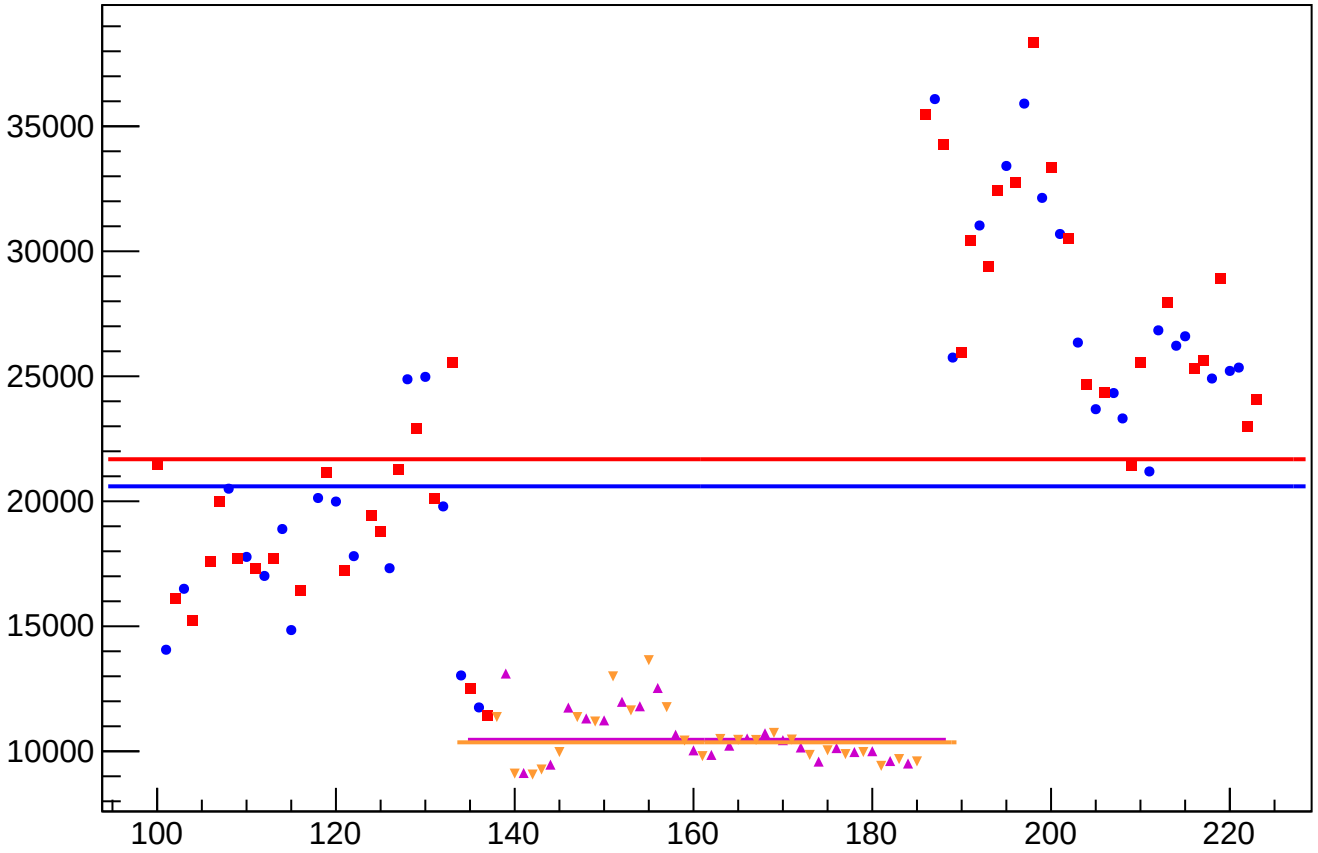
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -13.347+/-2.107 χ^2/NDF: 119.9/58

All: -9.657+/-1.515 χ^2/NDF: 222.6/120

- sign -5.708+/-2.180 χ^2/NDF: 96.4/61

diff_bpm4aesumX_rms vs Slug



Right In: 20598.100+/-3.254 χ^2/NDF: 3738967.5/33

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 21681.942+/-3.343 χ^2/NDF: 3559798.8/38

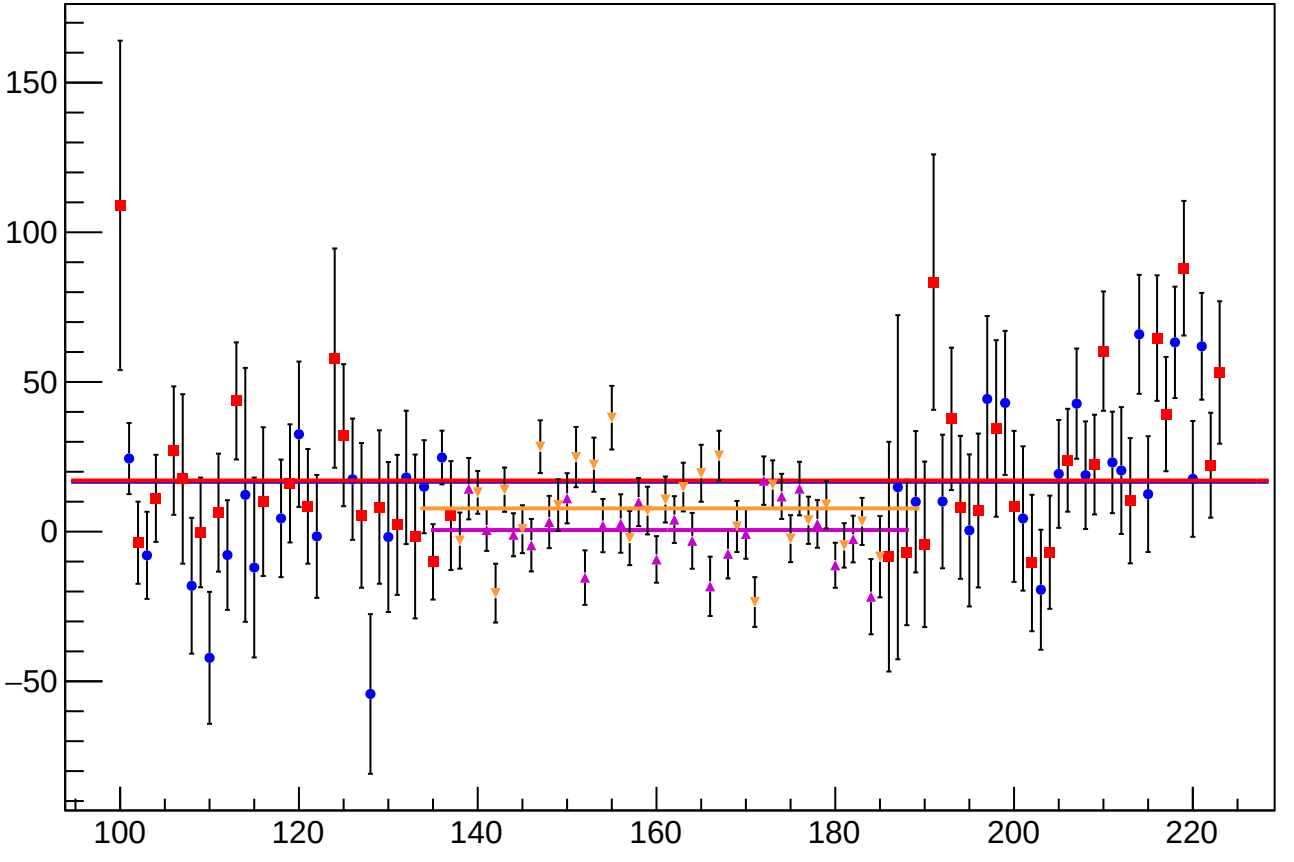
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 12504.984+/-1.490 χ^2/NDF: 11926429.3/58

All: 12669.634+/-1.071 χ^2/NDF: 24700366.4/

- sign 12845.867+/-1.542 χ^2/NDF: 12748659.0/61

diff_bpm4aediffX_mean vs Slug



Right In: 16.664+/-3.284 χ^2/NDF: 52.9/33

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 17.077+/-3.378 χ^2/NDF: 49.6/38

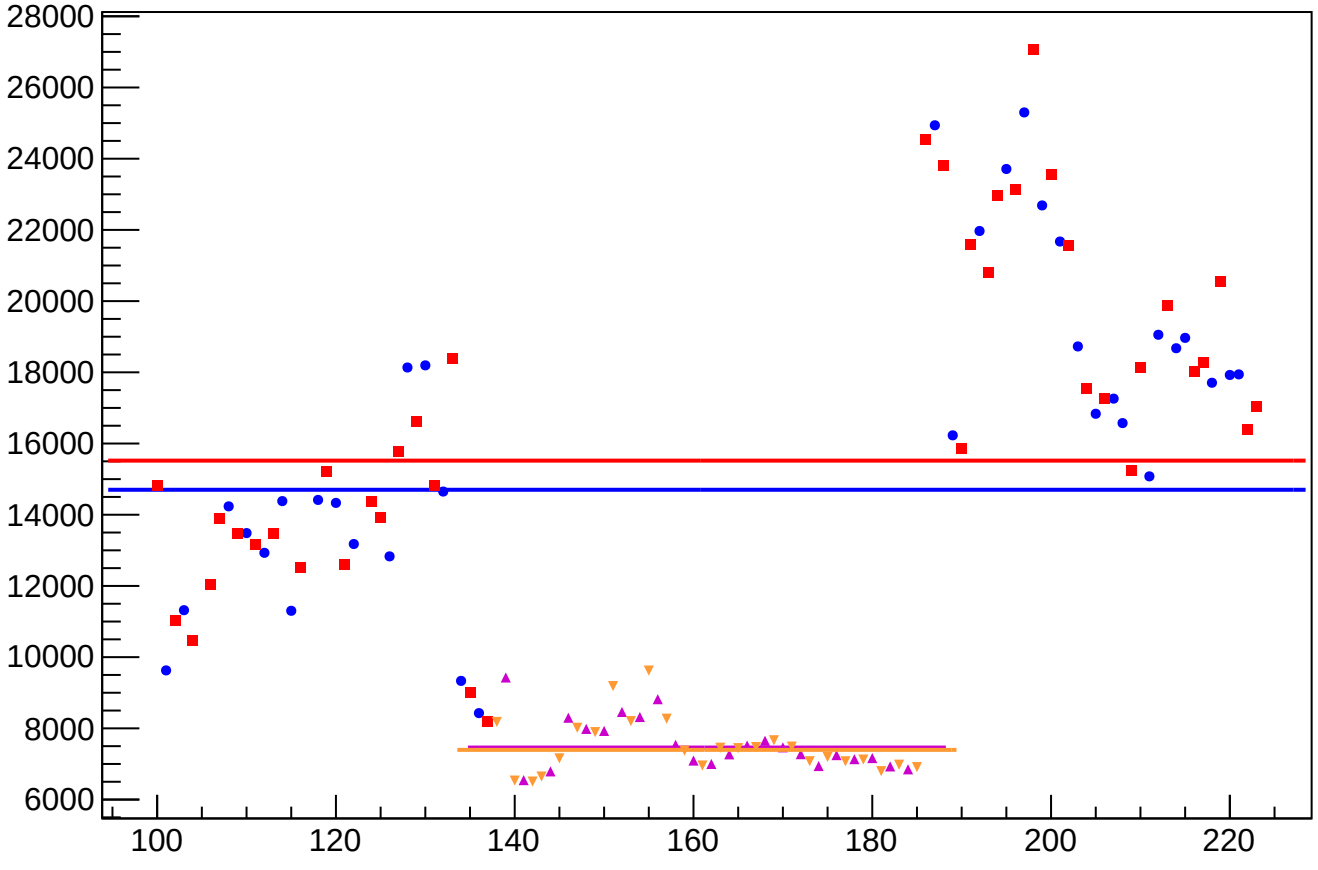
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 9.630+/-1.504 χ^2/NDF: 119.6/58

All: 6.928+/-1.081 χ^2/NDF: 224.3/120

- sign 4.039+/-1.555 χ^2/NDF: 98.0/61

diff_bpm4aediffX_rms vs Slug



Right In: 14701.037+/-2.322 χ^2/NDF: 3662607.7/33

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15519.883+/-2.389 χ^2/NDF: 3418522.8/38

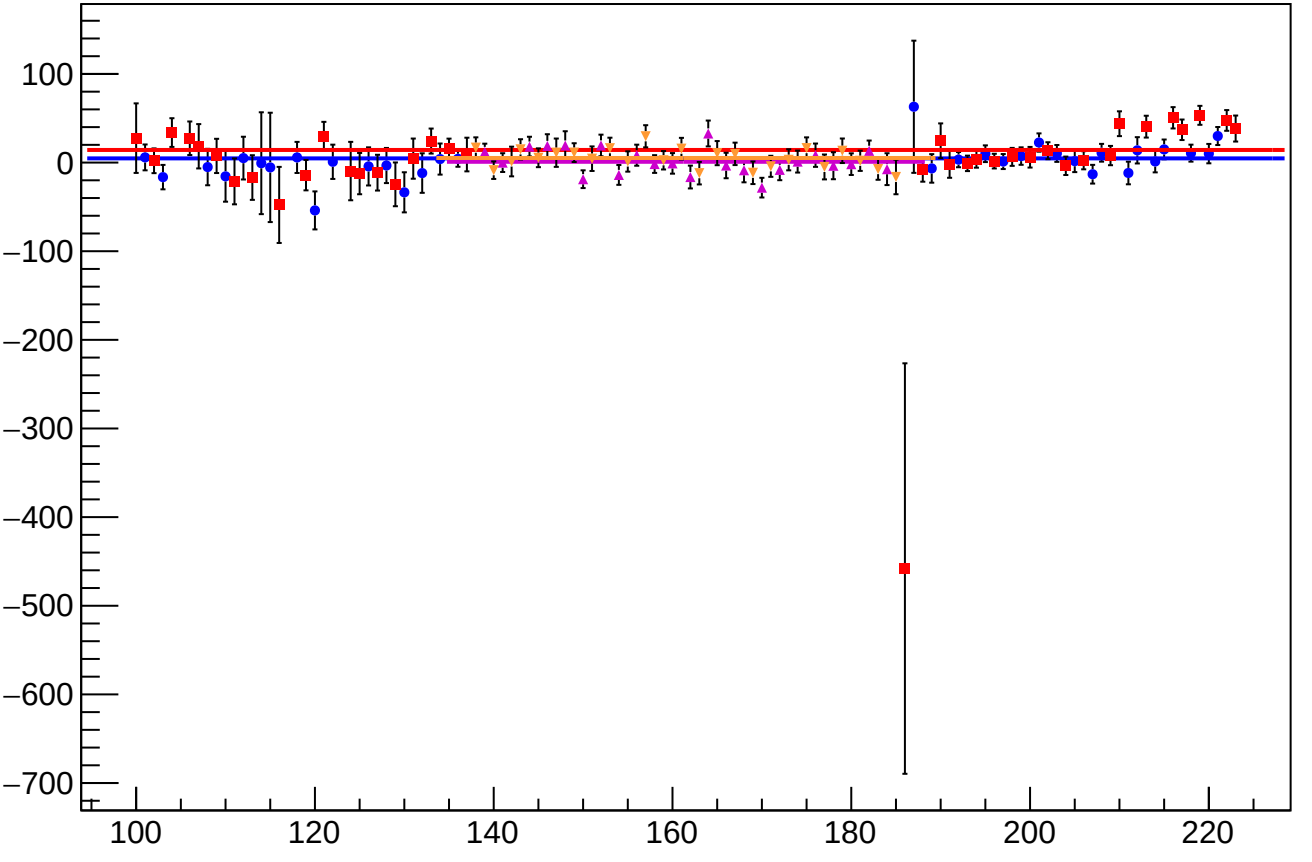
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8927.660+/-1.063 χ^2/NDF: 11810589.8/58

All: 9044.238+/-0.764 χ^2/NDF: 24507896.5/1

- sign 9168.949+/-1.100 χ^2/NDF: 12672425.4/61

diff_bpm4aesumY_mean vs Slug



Right In: 4.725+/-2.228 χ^2/NDF: 32.5/33

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 14.229+/-2.207 χ^2/NDF: 85.6/38

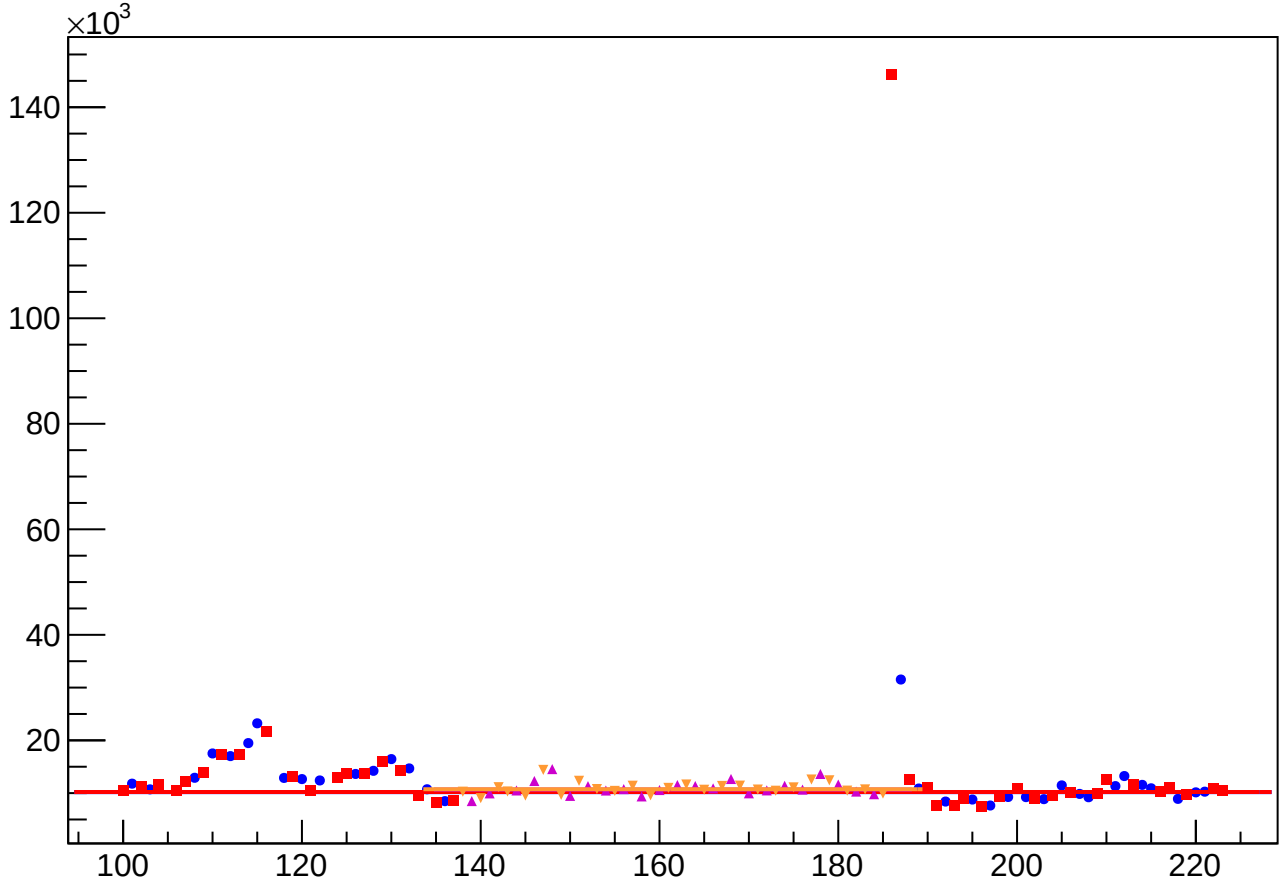
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 4.929+/-1.651 χ^2/NDF: 50.9/58

All: 6.672+/-1.171 χ^2/NDF: 186.3/120

- sign 8.435+/-1.660 χ^2/NDF: 133.2/61

diff_bpm4aesumY_rms vs Slug



Right In: 10183.636+/-1.576 χ^2/NDF: 1801367.8/33

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10211.118+/-1.561 χ^2/NDF: 2414056.1/38

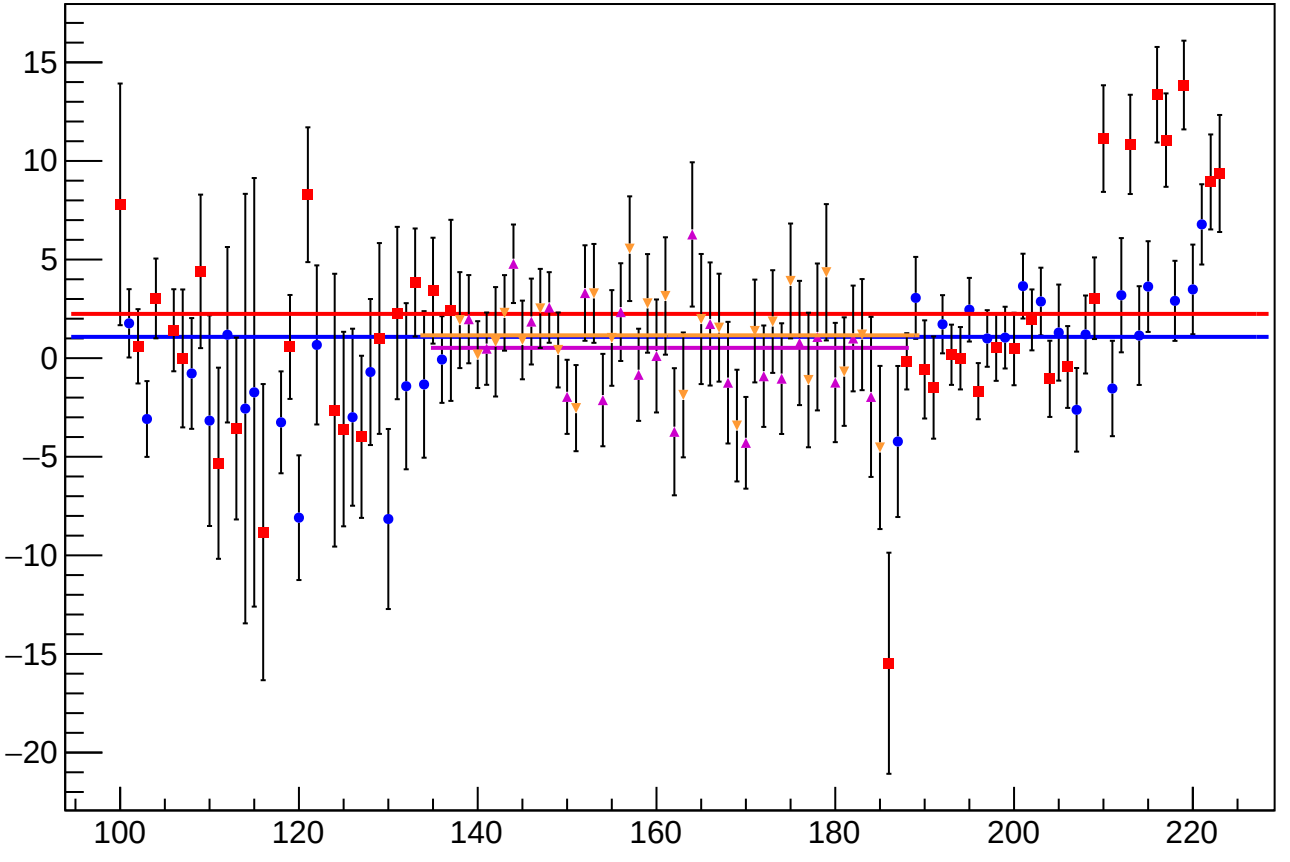
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10431.669+/-1.167 χ^2/NDF: 2224615.4/58

All: 10422.667+/-0.828 χ^2/NDF: 5178098.7/1

- sign 10413.567+/-1.174 χ^2/NDF: 2953363.8/61

diff_bpm4aediffY_mean vs Slug



Right In: 1.079+/-0.397 χ^2/NDF: 46.6/33

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 2.245+/-0.381 χ^2/NDF: 148.9/38

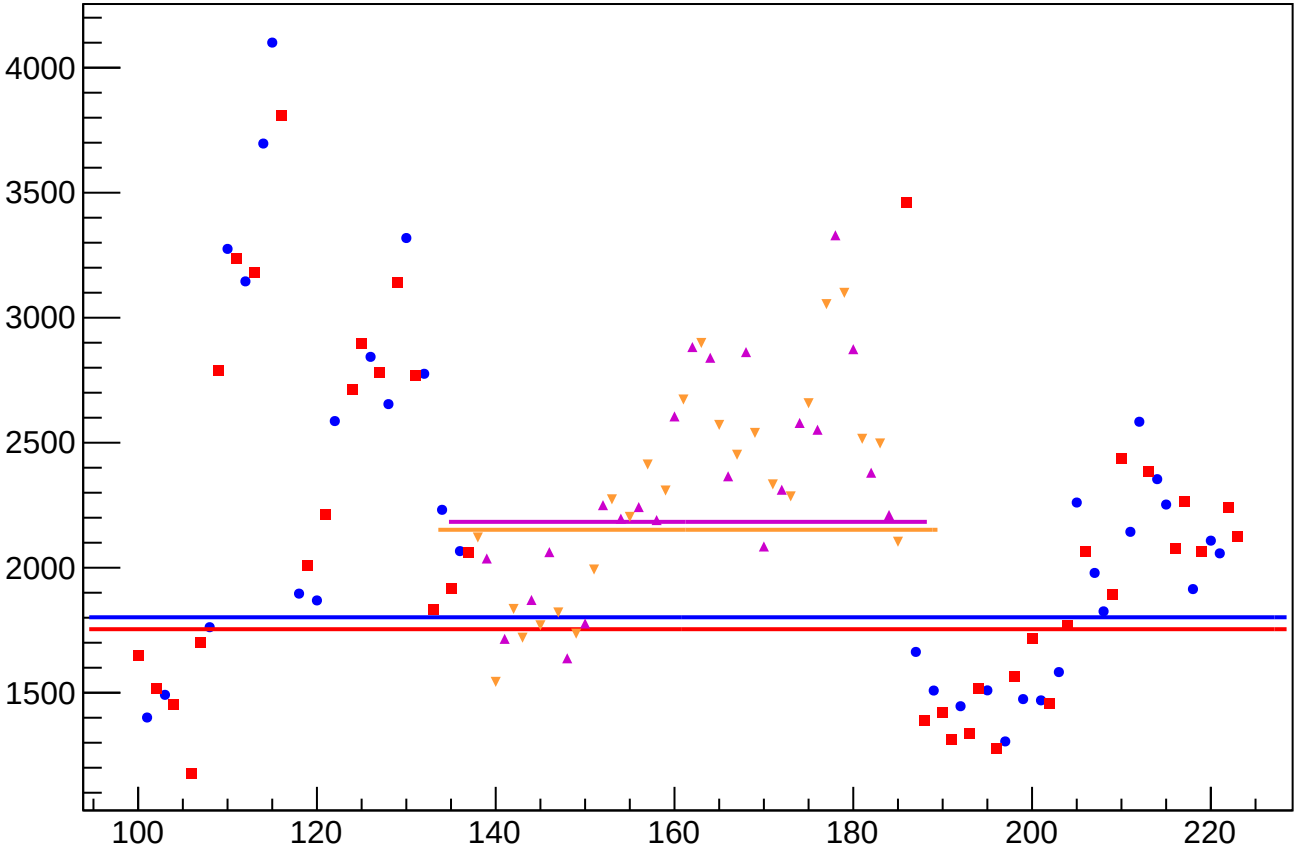
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 1.110+/-0.311 χ^2/NDF: 63.4/58

All: 1.379+/-0.219 χ^2/NDF: 243.3/120

- sign 1.642+/-0.307 χ^2/NDF: 178.4/61

diff_bpm4aediffY_rms vs Slug



Right In: 1801.812+/-0.280 χ^2/NDF: 2505649.5/33

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1754.109+/-0.270 χ^2/NDF: 3030375.3/38

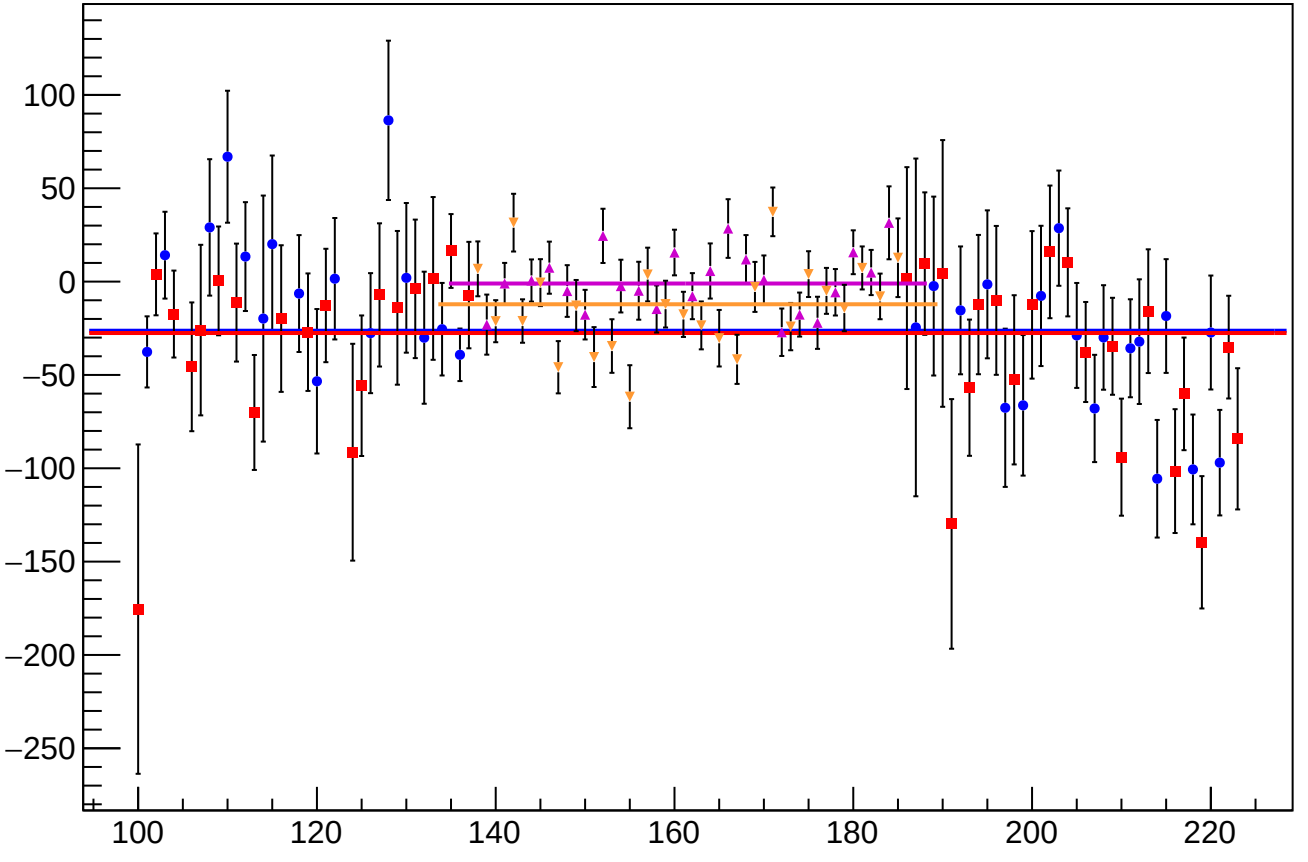
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1936.881+/-0.220 χ^2/NDF: 4456422.0/58

All: 1920.394+/-0.155 χ^2/NDF: 9547442.8/12

- sign 1904.256+/-0.217 χ^2/NDF: 5079878.6/61

diff_bpmtargetsumX_mean vs Slug



Right In: -26.318+/-5.199 χ^2/NDF: 53.0/33

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

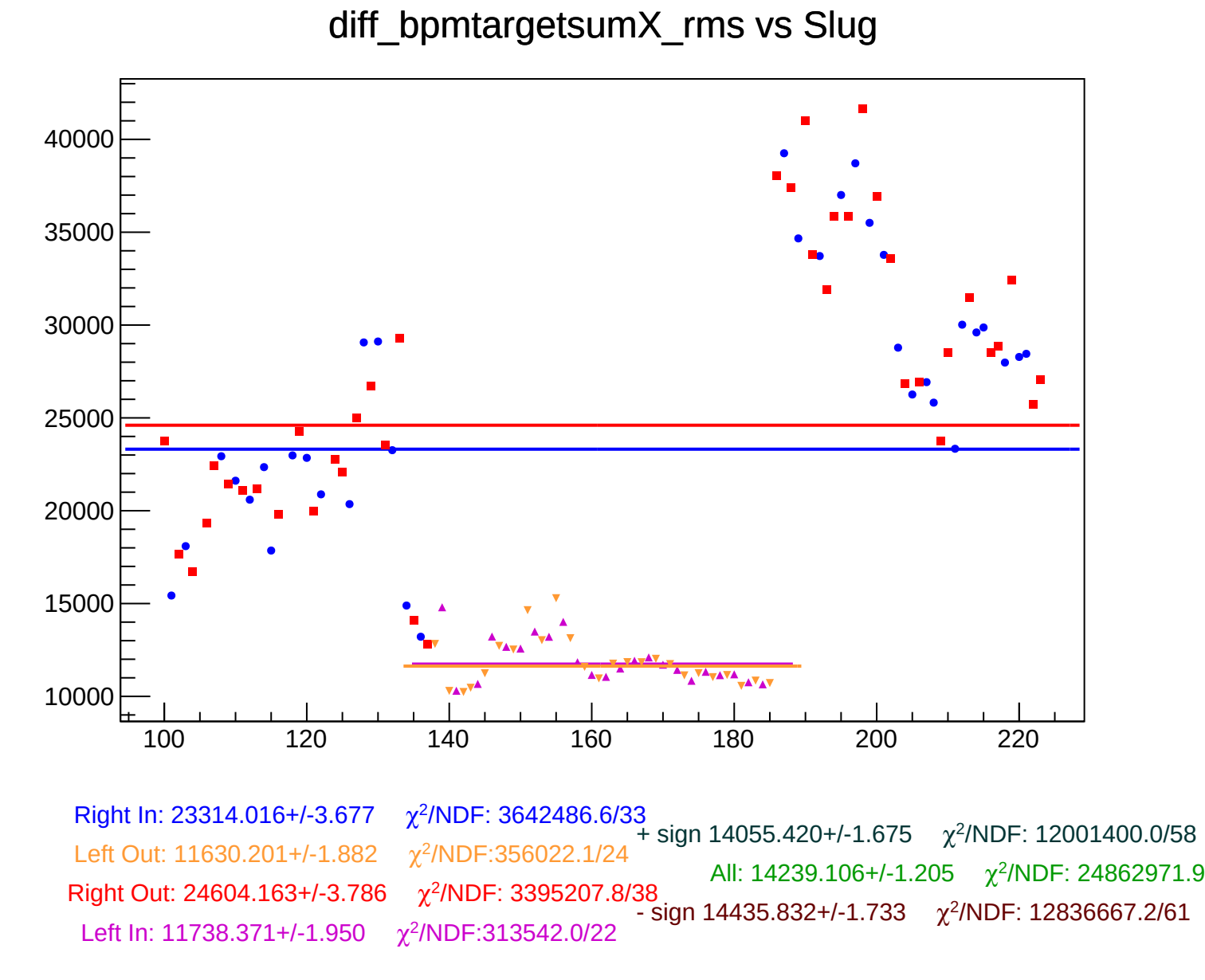
Right Out: -27.543+/-5.354 χ^2/NDF: 48.9/38

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

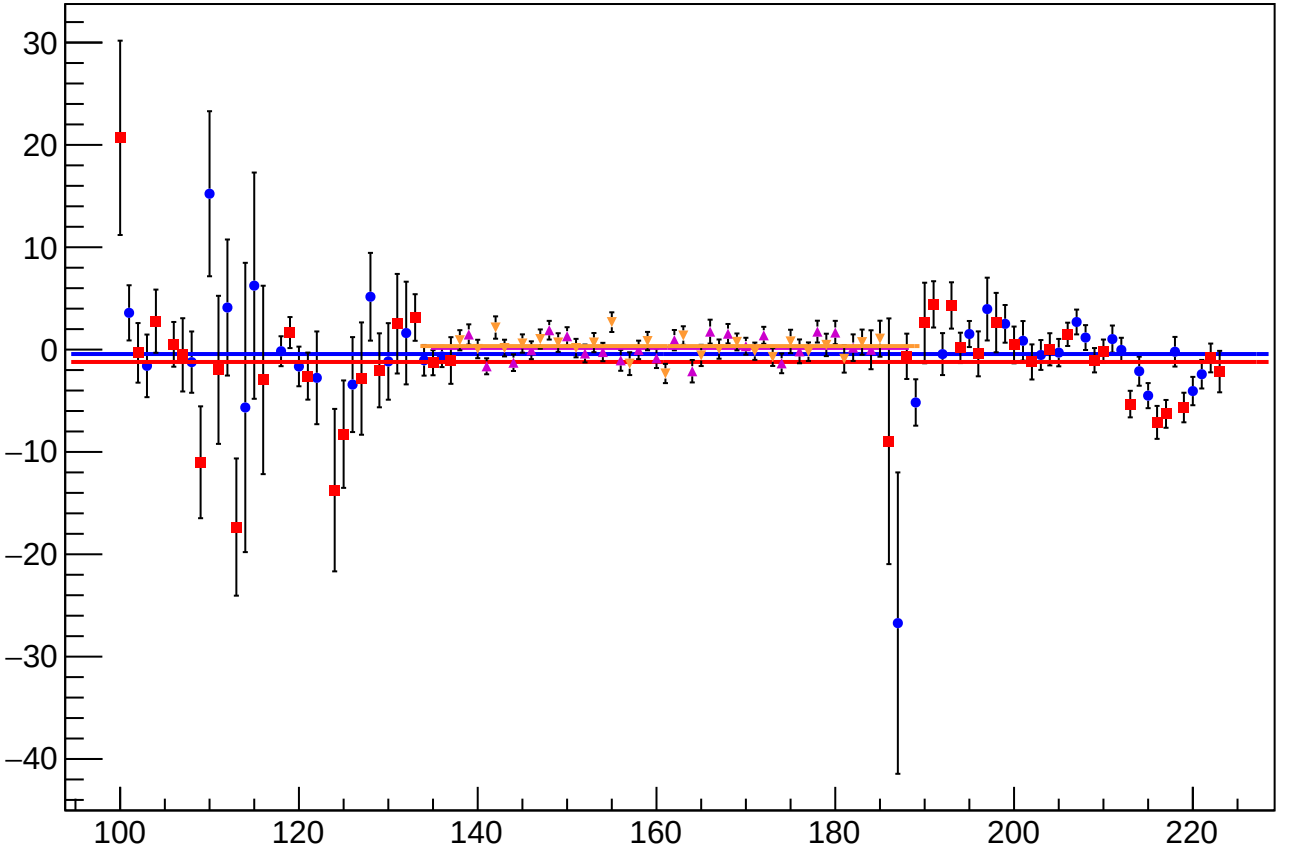
\+ sign -15.079+/-2.369 χ^2/NDF: 121.5/58

All: -10.977+/-1.704 χ^2/NDF: 224.8/120

\- sign -6.584+/-2.451 χ^2/NDF: 97.1/61


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 23314.016+/-3.677 χ²/NDF: 3642486.6/33
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24604.163+/-3.786 χ²/NDF: 3395207.8/38
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 14055.420+/-1.675 χ²/NDF: 12001400.0/58
All: 14239.106+/-1.205 χ²/NDF: 24862971.9
- sign 14435.832+/-1.733 χ²/NDF: 12836667.2/61

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.434+/-0.304 χ^2/NDF: 56.4/33

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -1.209+/-0.316 χ^2/NDF: 100.9/38

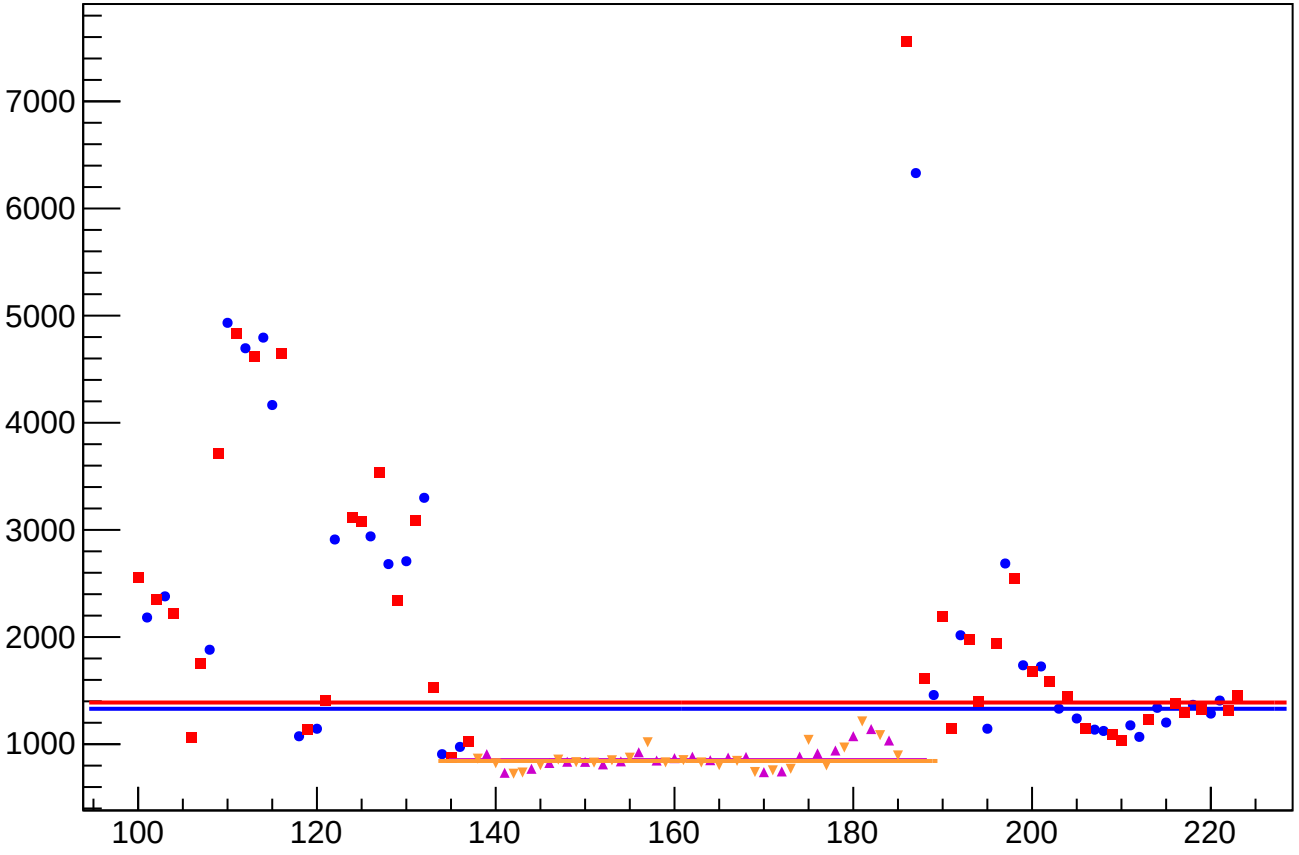
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.118+/-0.163 χ^2/NDF: 87.8/58

All: -0.049+/-0.118 χ^2/NDF: 240.7/120

- sign -0.230+/-0.170 χ^2/NDF: 150.7/61

diff_bpmtargetdiffX_rms vs Slug



Right In: 1330.350+/-0.215 χ^2/NDF: 4754428.1/33

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1388.956+/-0.224 χ^2/NDF: 5231108.1/38

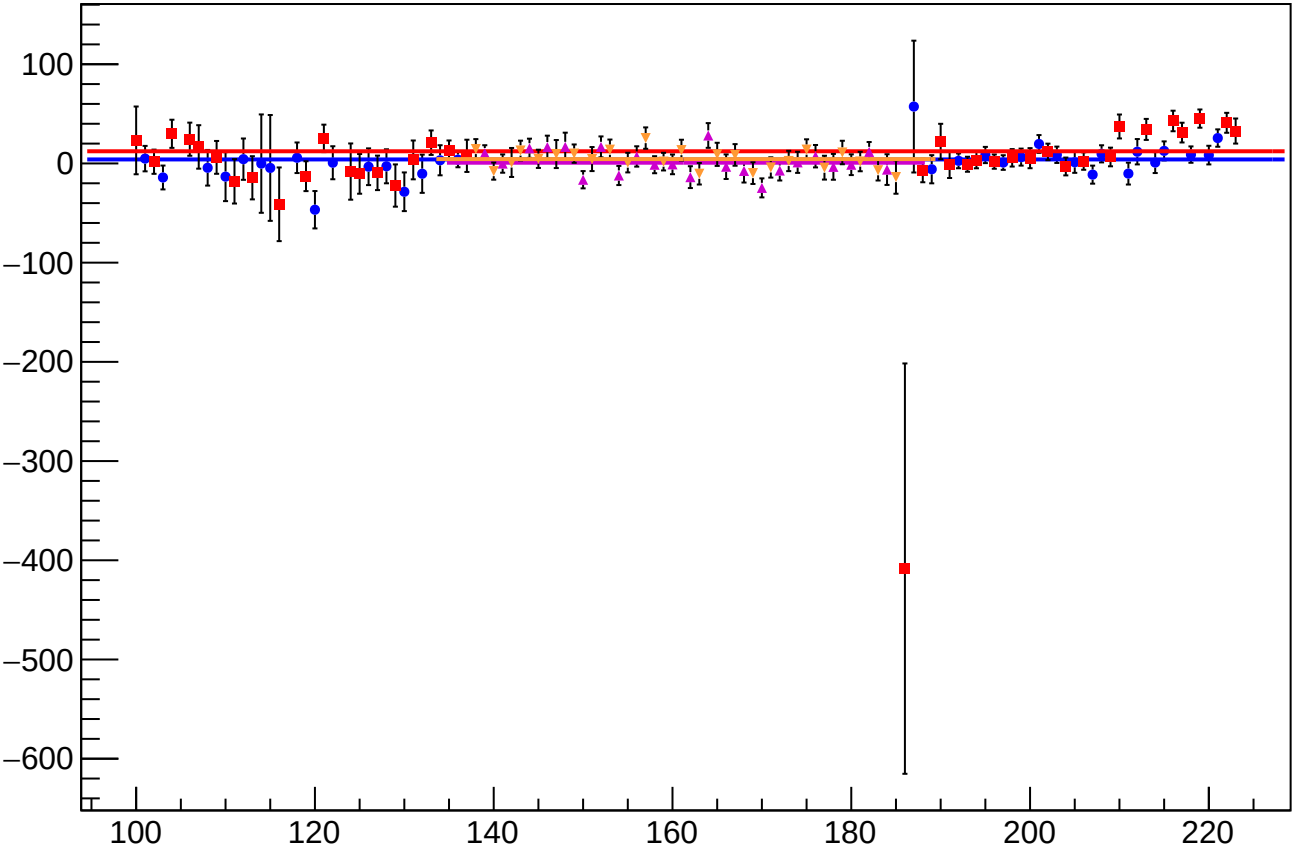
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 984.141+/-0.116 χ^2/NDF: 8915034.0/58

All: 994.707+/-0.083 χ^2/NDF: 18660448.4/12

- sign 1006.090+/-0.120 χ^2/NDF: 9728032.7/61

diff_bpmtargetsumY_mean vs Slug



Right In: 4.036+/-1.928 χ^2/NDF: 32.0/33

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 12.270+/-1.912 χ^2/NDF: 83.5/38

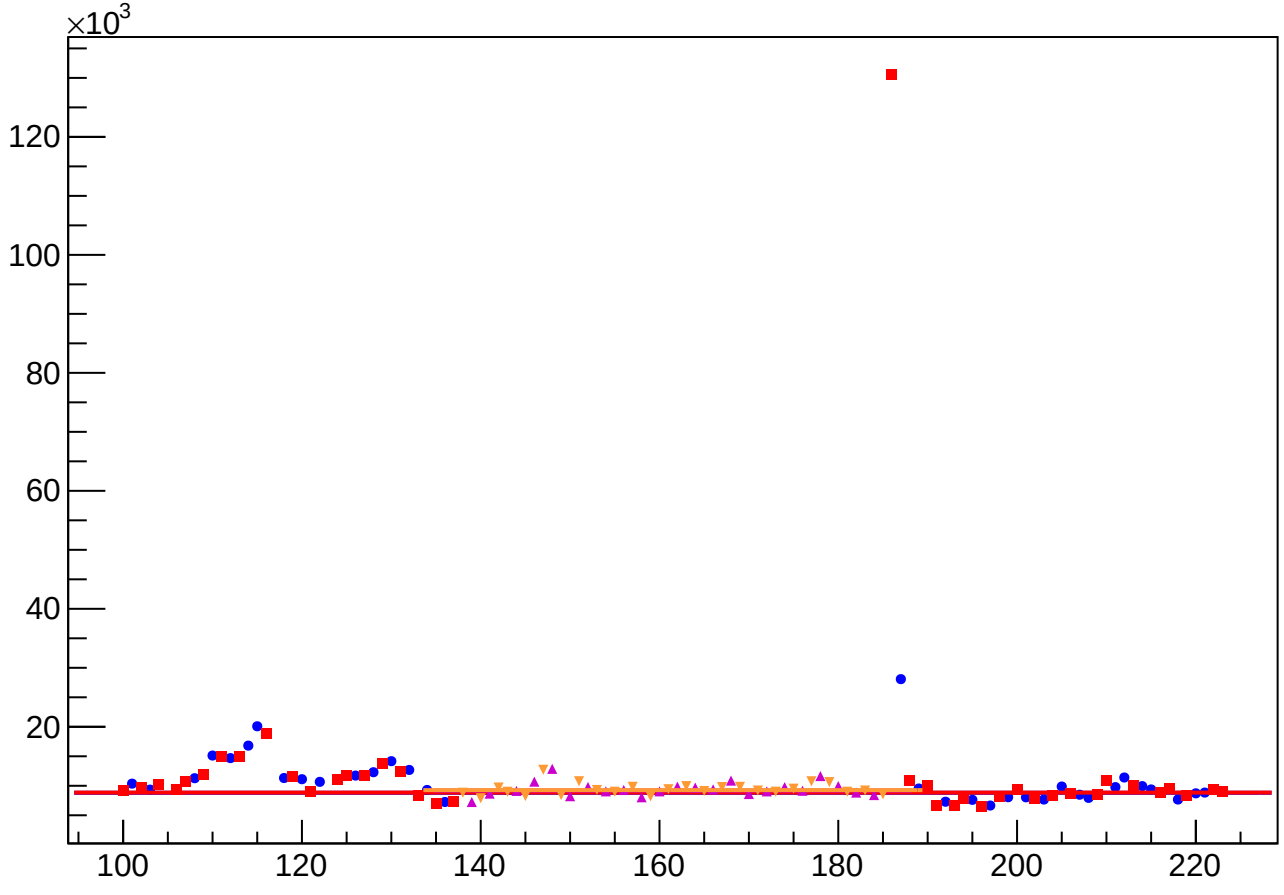
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 4.193+/-1.427 χ^2/NDF: 50.6/58

All: 5.703+/-1.012 χ^2/NDF: 184.2/120

- sign 7.229+/-1.435 χ^2/NDF: 131.4/61

diff_bpmtargetsumY_rms vs Slug



Right In: 8809.890+/-1.363 χ^2/NDF: 1806881.5/33

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8844.789+/-1.352 χ^2/NDF: 2410298.8/38

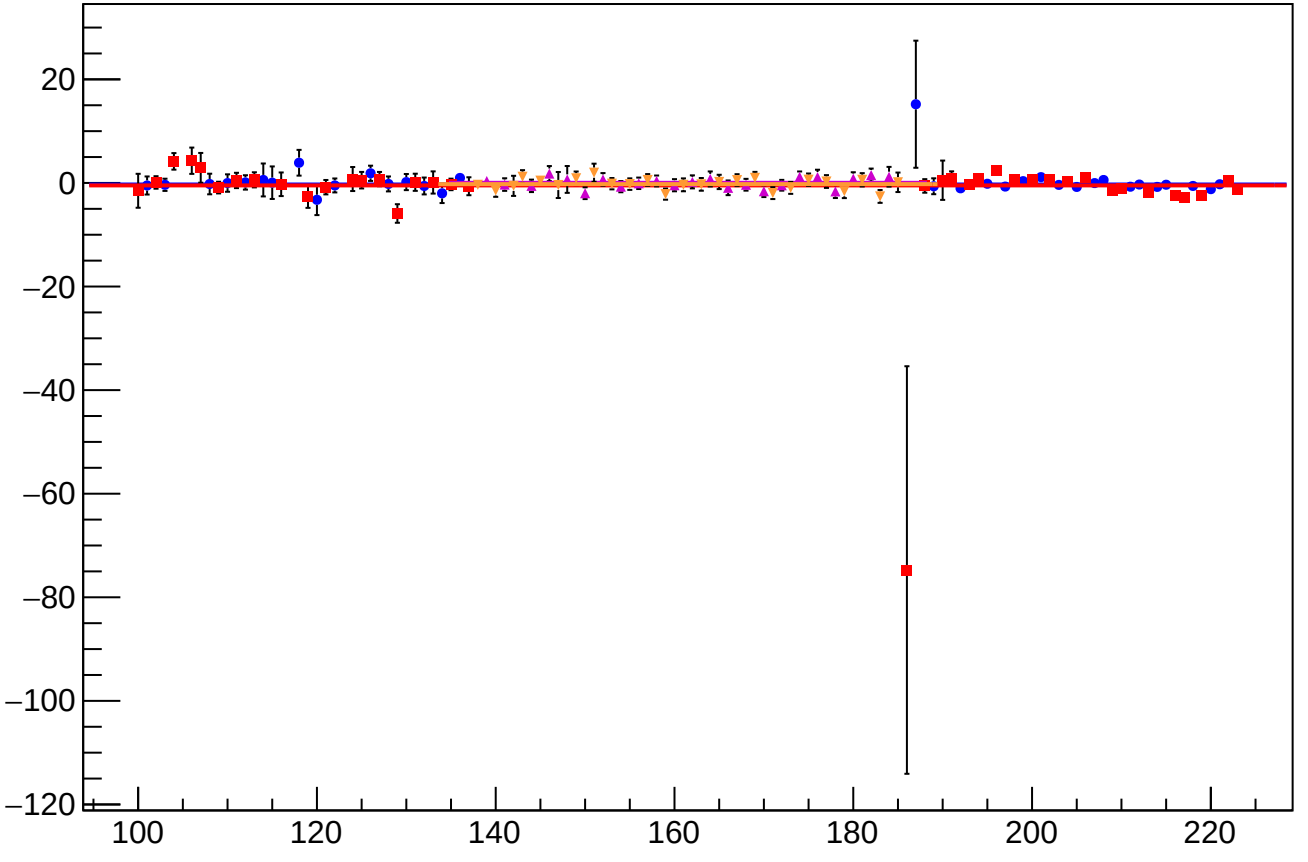
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9014.153+/-1.009 χ^2/NDF: 2222598.3/58

All: 9007.020+/-0.715 χ^2/NDF: 5178572.8/12

- sign 8999.805+/-1.015 χ^2/NDF: 2955873.9/61

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.300+/-0.154 χ^2/NDF: 21.6/33

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.476+/-0.157 χ^2/NDF: 104.4/38

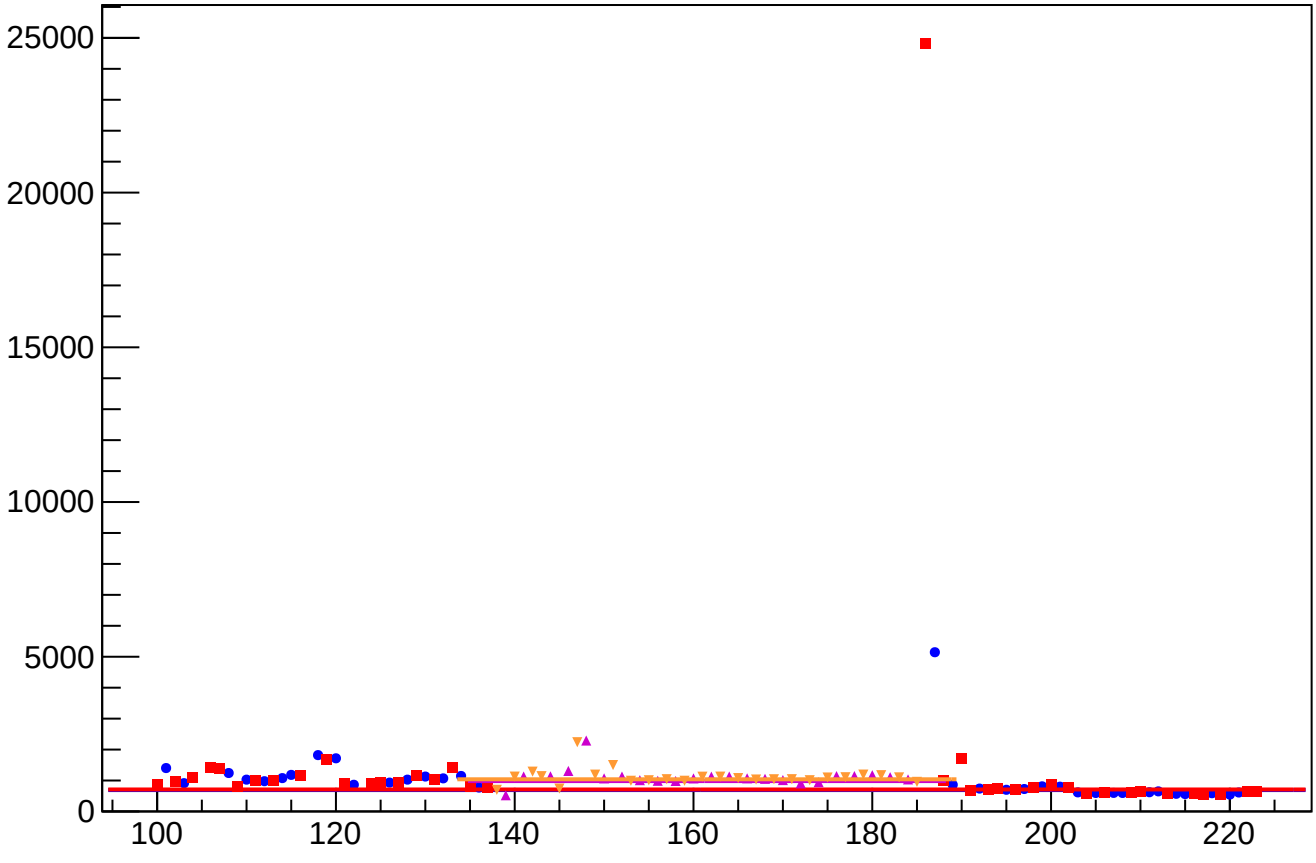
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.280+/-0.130 χ^2/NDF: 40.7/58

All: -0.302+/-0.092 χ^2/NDF: 163.4/120

- sign -0.325+/-0.131 χ^2/NDF: 122.7/61

diff_bpmtargetdiffY_rms vs Slug



Right In: 691.085+/-0.109 χ^2/NDF: 2994202.1/33

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 710.334+/-0.111 χ^2/NDF: 3420627.9/38

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 790.381+/-0.092 χ^2/NDF: 7262314.4/58

All: 791.128+/-0.065 χ^2/NDF: 14709757.5/12

- sign 791.888+/-0.093 χ^2/NDF: 7447309.8/61

yield_cav4bX_mean vs Slug

Right In: 139.336+/-0.000 χ^2/NDF: 74283266110.9/33

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774197086296511.1/38

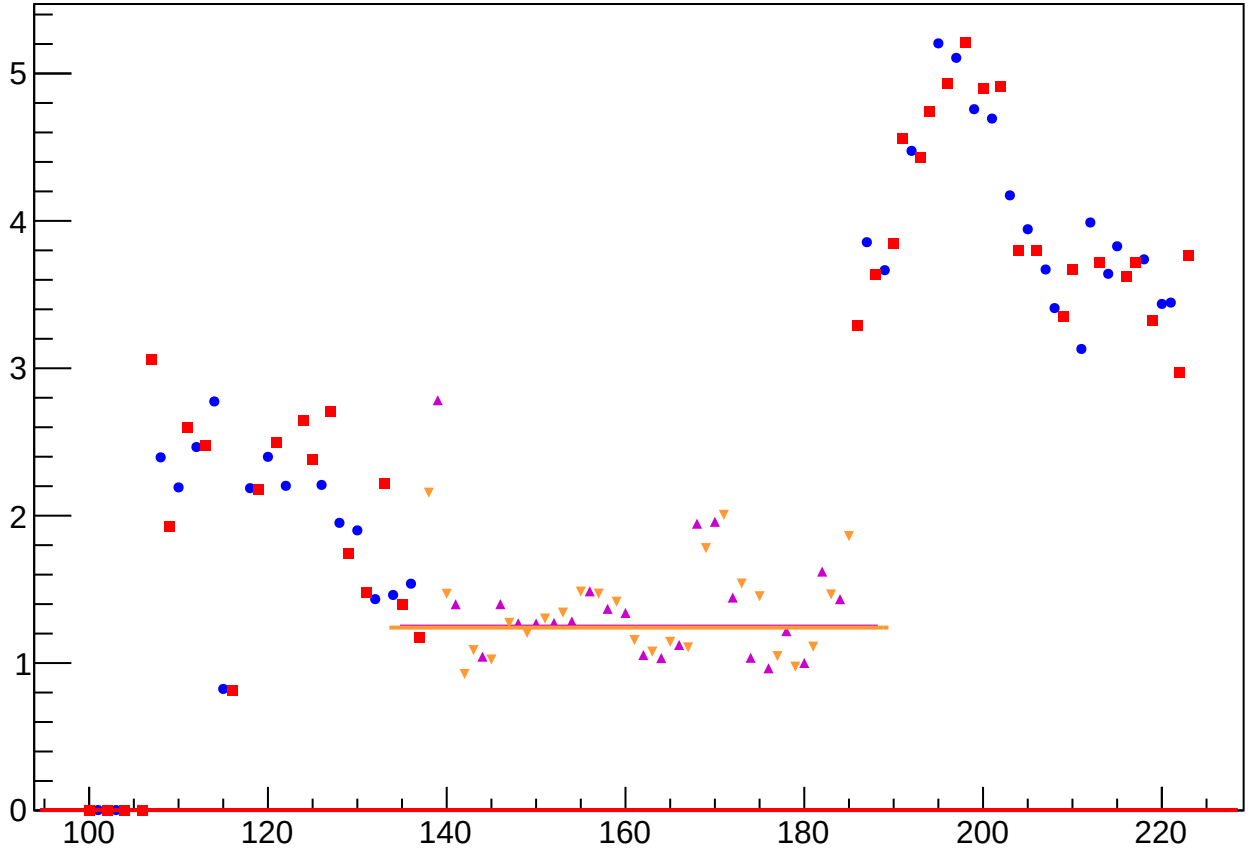
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 348824171622.4/5

All: 131.810+/-0.000 χ^2/NDF: 79353824192

- sign 125.384+/-0.000 χ^2/NDF: 774410737897999

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 38290677.4/33

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

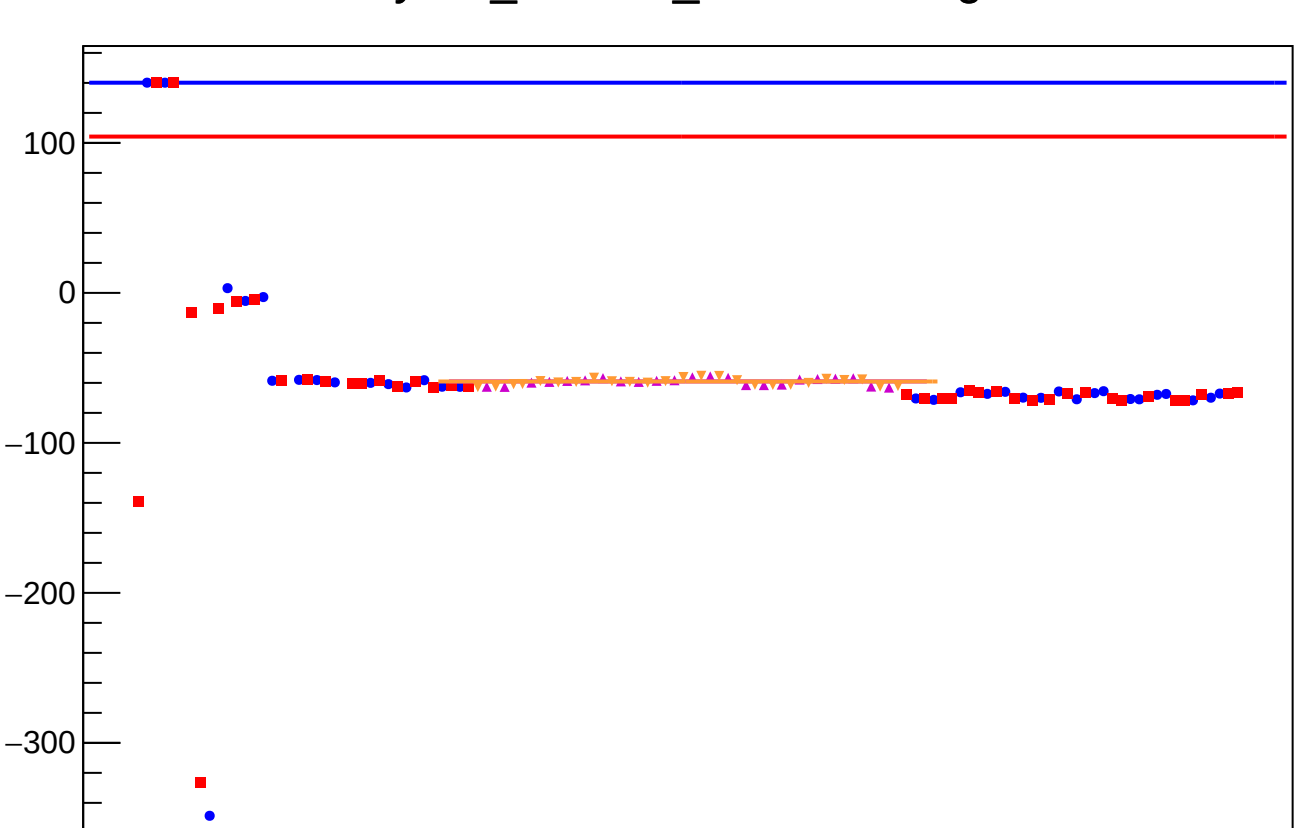
Right Out: 0.003+/-0.000 χ^2/NDF: 39588053.9/38

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

\+ sign 0.003+/-0.000 χ^2/NDF: 69588343.7/58

All: 0.003+/-0.000 χ^2/NDF: 138943365.8/120

\- sign 0.003+/-0.000 χ^2/NDF: 69354604.1/61



Right In: 140.131+/-0.000 χ^2/NDF: 639524895477.5/33

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.214+/-0.000 χ^2/NDF: 1257761349891133.8/38

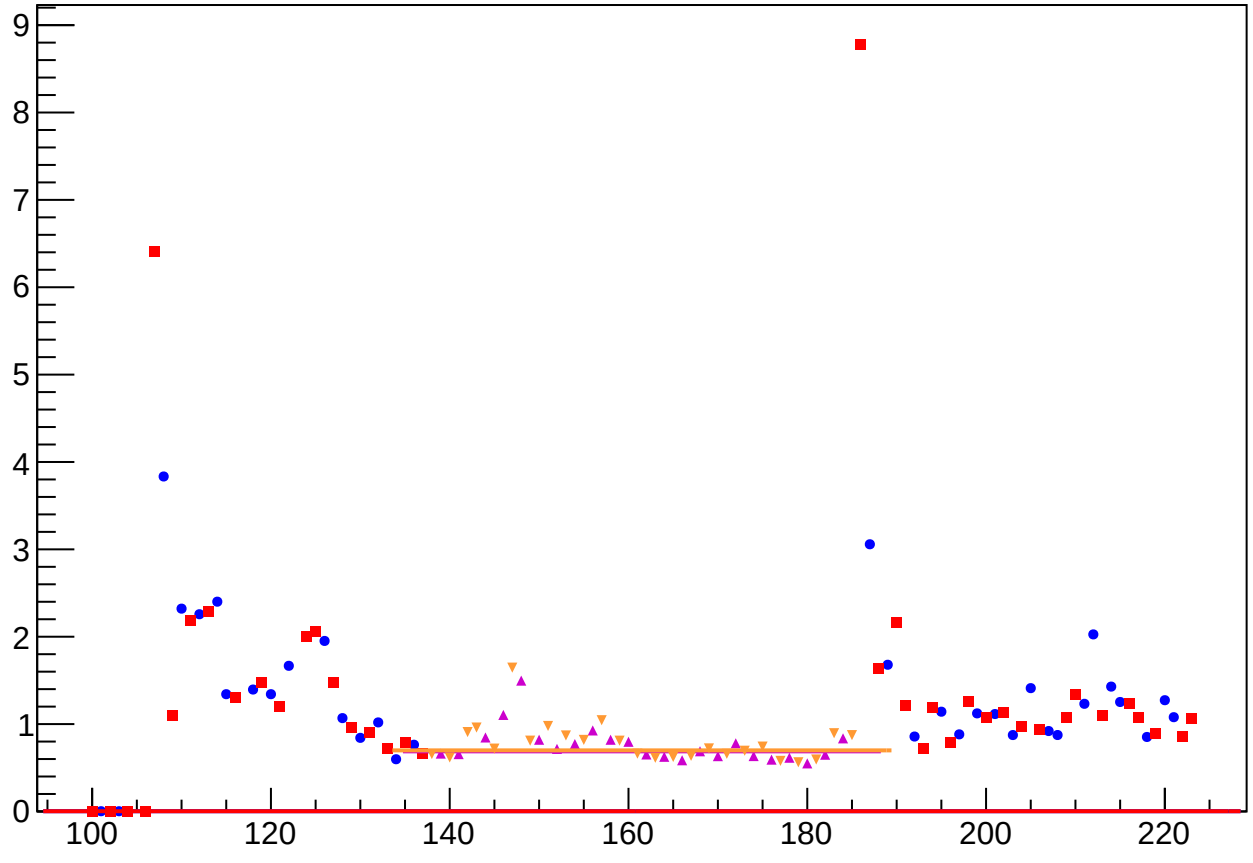
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.095+/-0.000 χ^2/NDF: 1936557096799.8

All: 120.790+/-0.000 χ^2/NDF: 13837977368

- sign 104.189+/-0.000 χ^2/NDF: 125861830905009

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 34848075.5/33

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

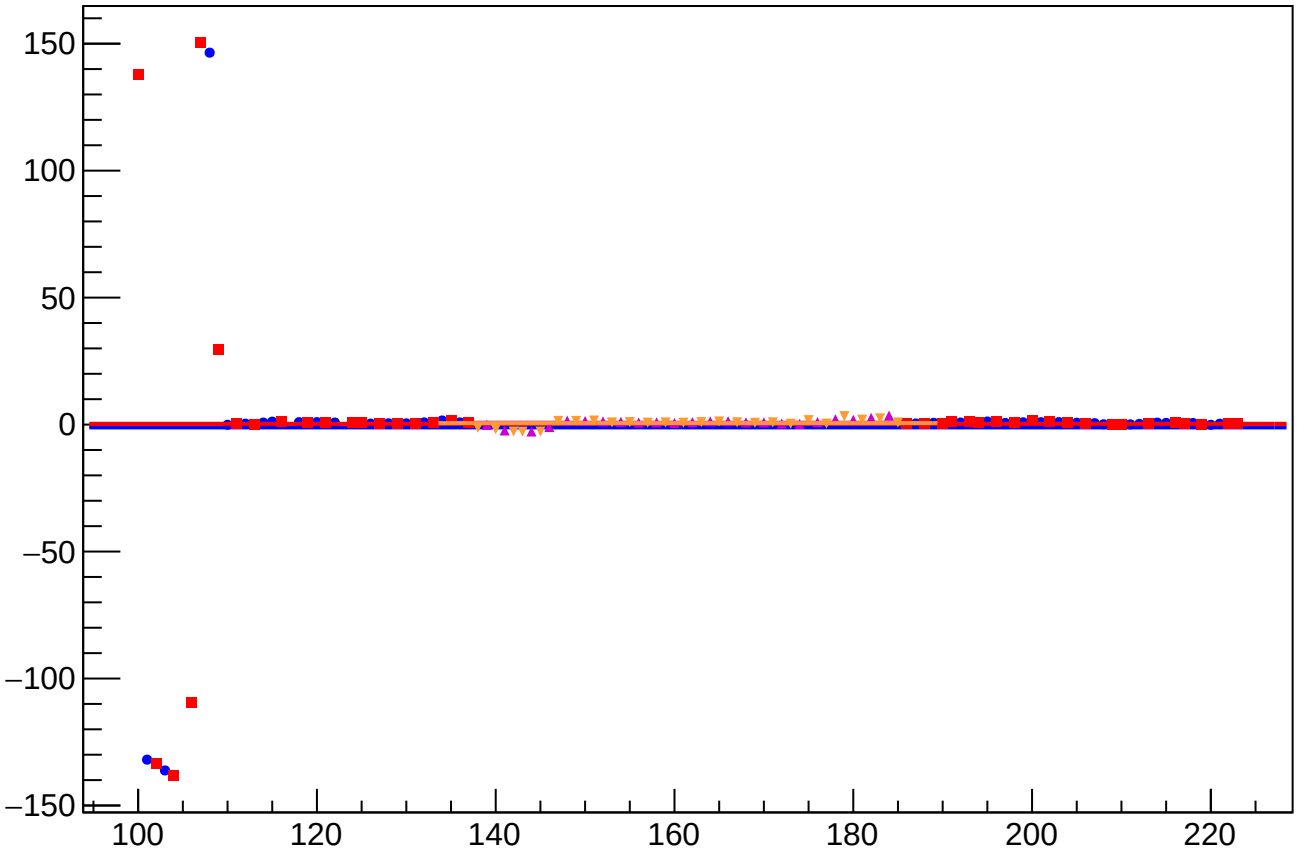
Right Out: 0.003+/-0.000 χ^2/NDF: 36778870.9/38

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 67896845.9/58

All: 0.003+/-0.000 χ^2/NDF: 135981677.3/120

- sign 0.003+/-0.000 χ^2/NDF: 68084217.4/61



Right In: -1.110+/-0.000 χ^2/NDF: 9914675341.8/33

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.308+/-0.000 χ^2/NDF: 3613139037.7/38

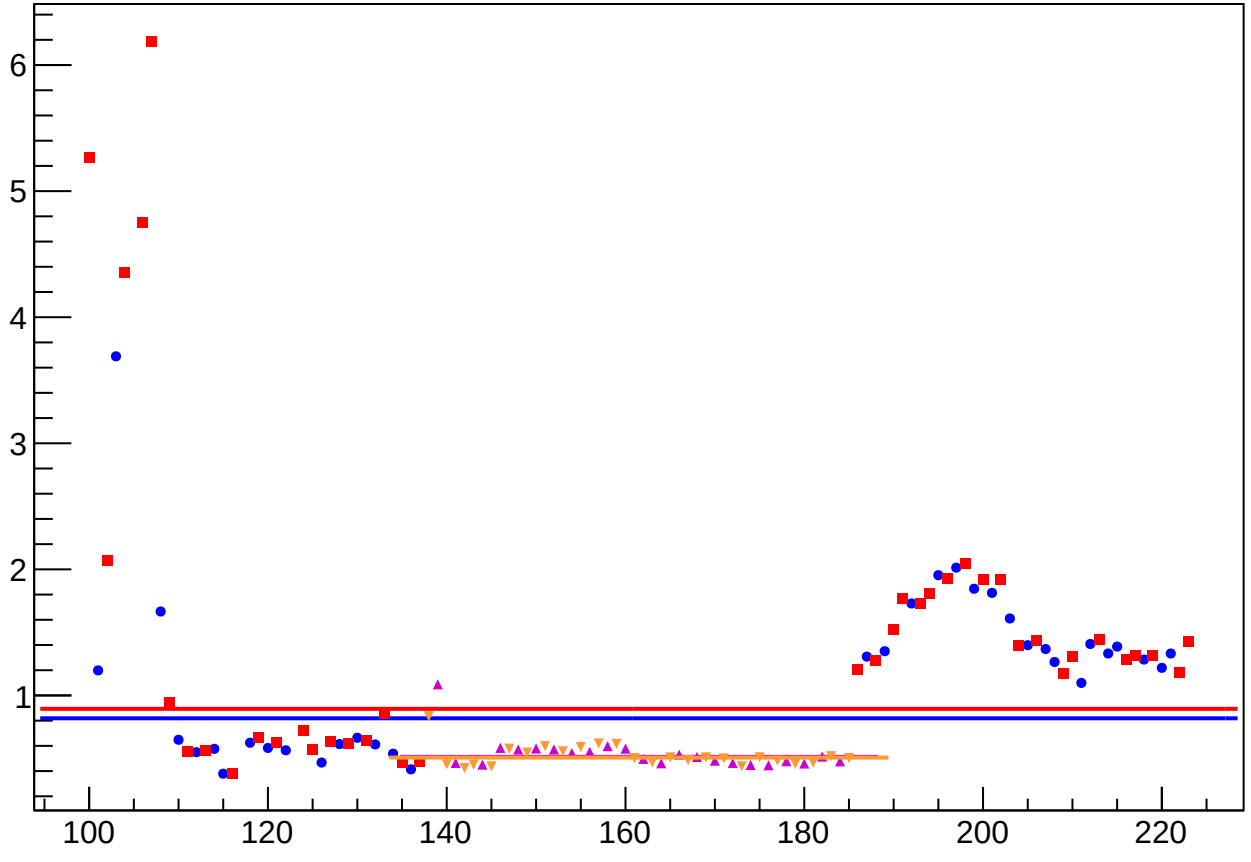
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.111+/-0.000 χ^2/NDF: 10116624912.2/58

All: 0.353+/-0.000 χ^2/NDF: 13847930861.8/1

- sign 0.619+/-0.000 χ^2/NDF: 3720974423.2/61

yield_cav4cX_rms vs Slug



Right In: 0.819+/-0.000 χ^2/NDF: 9493880.1/33

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.894+/-0.000 χ^2/NDF: 9612914.0/38

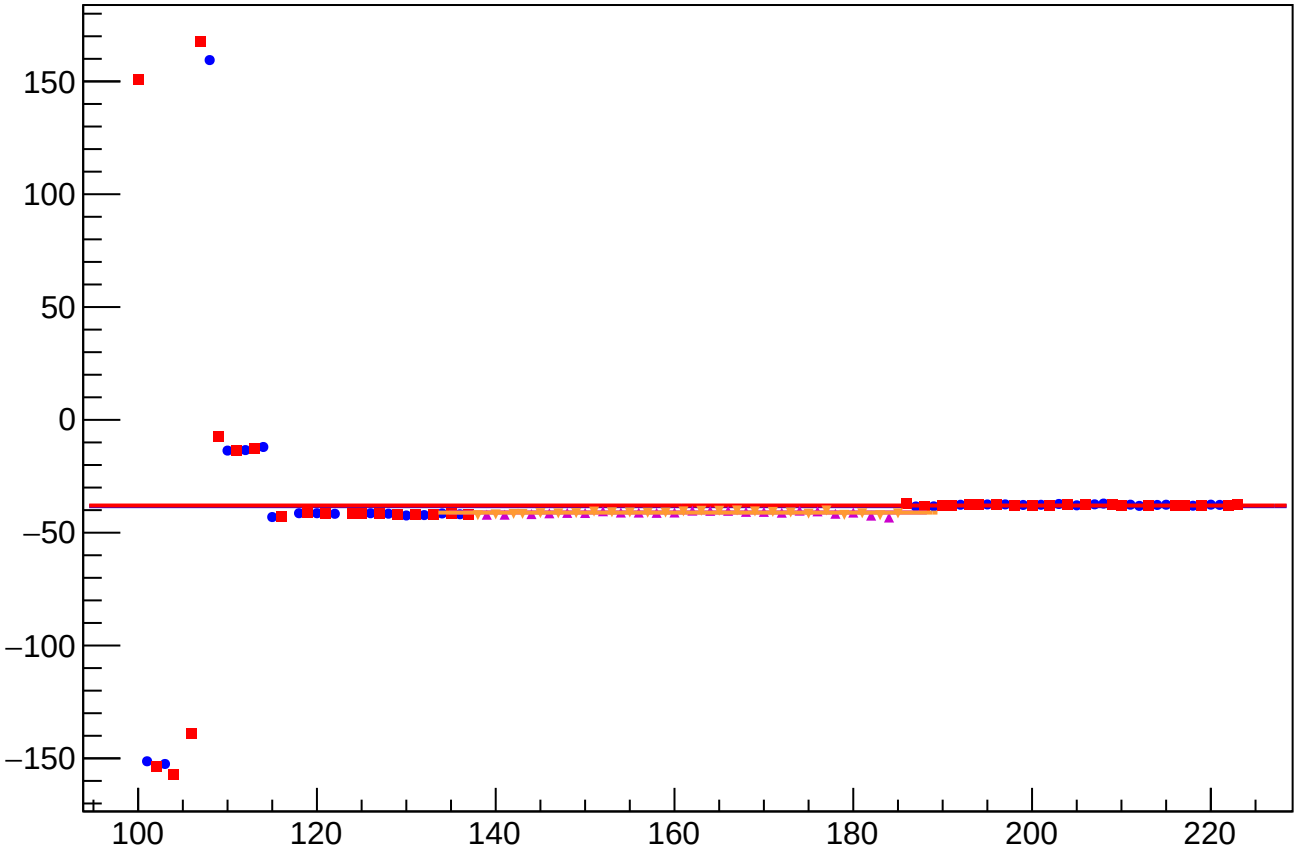
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.593+/-0.000 χ^2/NDF: 13302455.0/58

All: 0.603+/-0.000 χ^2/NDF: 28063944.0/120

- sign 0.615+/-0.000 χ^2/NDF: 14722689.5/61

yield_cav4cY_mean vs Slug



Right In: -38.241+/-0.000 χ^2/NDF: 3626765476.5/33

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.957+/-0.000 χ^2/NDF: 2515243170.0/38

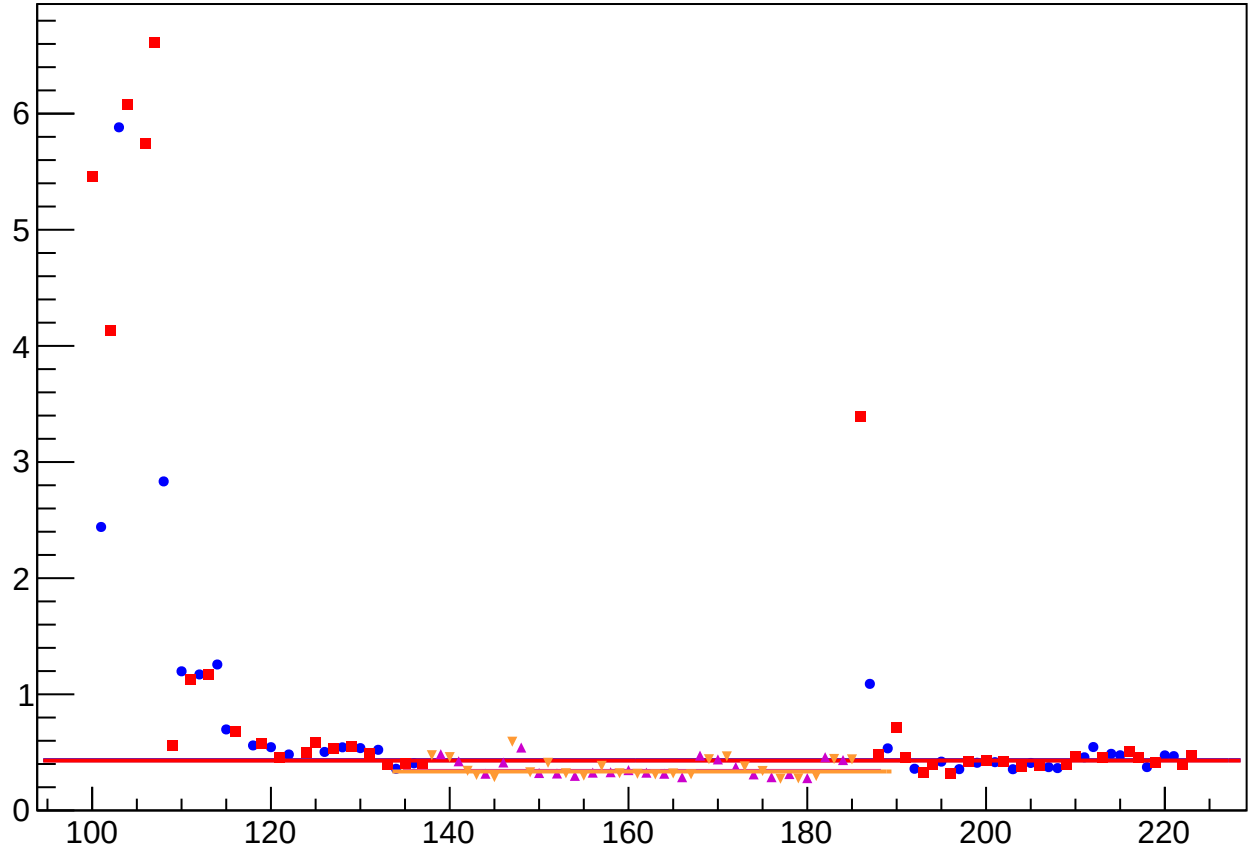
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -39.995+/-0.000 χ^2/NDF: 4179436712.5/58

All: -39.881+/-0.000 χ^2/NDF: 7317570198.8/

- sign -39.762+/-0.000 χ^2/NDF: 3131313385.5/61

yield_cav4cY_rms vs Slug



Right In: 0.433+/-0.000 χ^2/NDF: 3919592.9/33

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.430+/-0.000 χ^2/NDF: 4770697.1/38

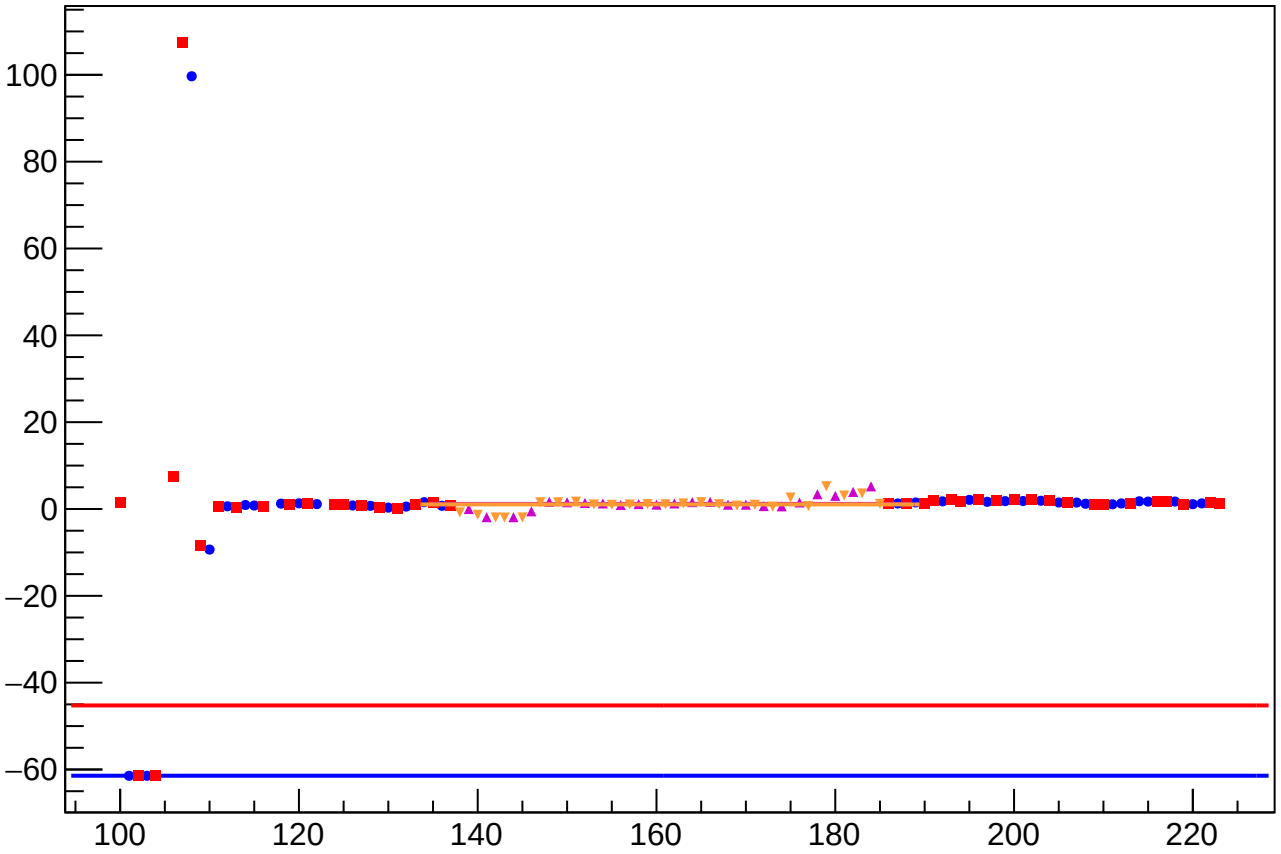
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.373+/-0.000 χ^2/NDF: 6302427.7/58

All: 0.375+/-0.000 χ^2/NDF: 13099267.7/120

- sign 0.377+/-0.000 χ^2/NDF: 6792683.0/61

yield_cav4dX_mean vs Slug



Right In: -61.434+/-0.000 χ^2/NDF: 311105656285.4/33

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357891374833166.2/38

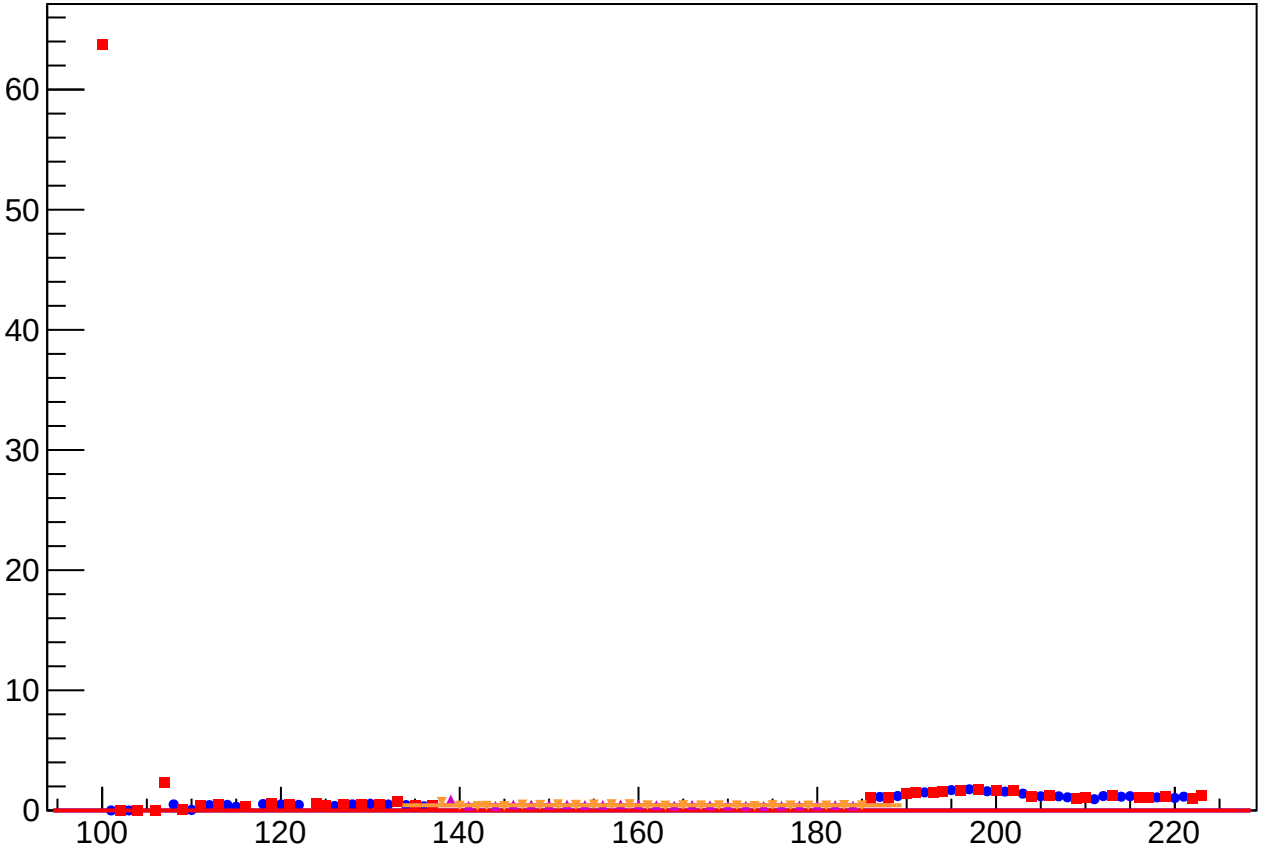
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.420+/-0.000 χ^2/NDF: 641096910279.9/5

All: -52.737+/-0.000 χ^2/NDF: 409647599006

- sign -45.235+/-0.000 χ^2/NDF: 358057934065756.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 37874465.6/33

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

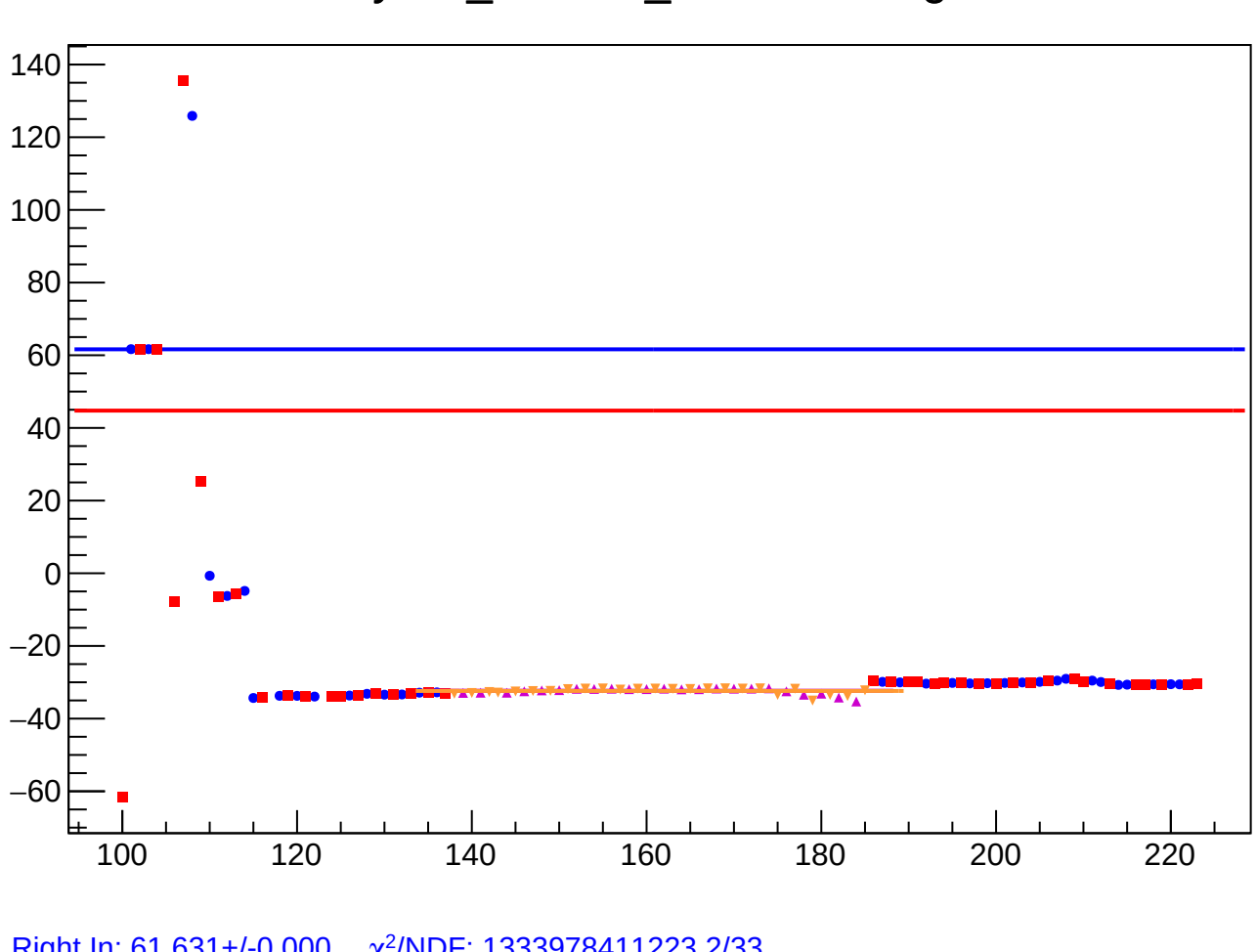
Right Out: 0.001+/-0.000 χ^2/NDF: 39224688.3/38

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

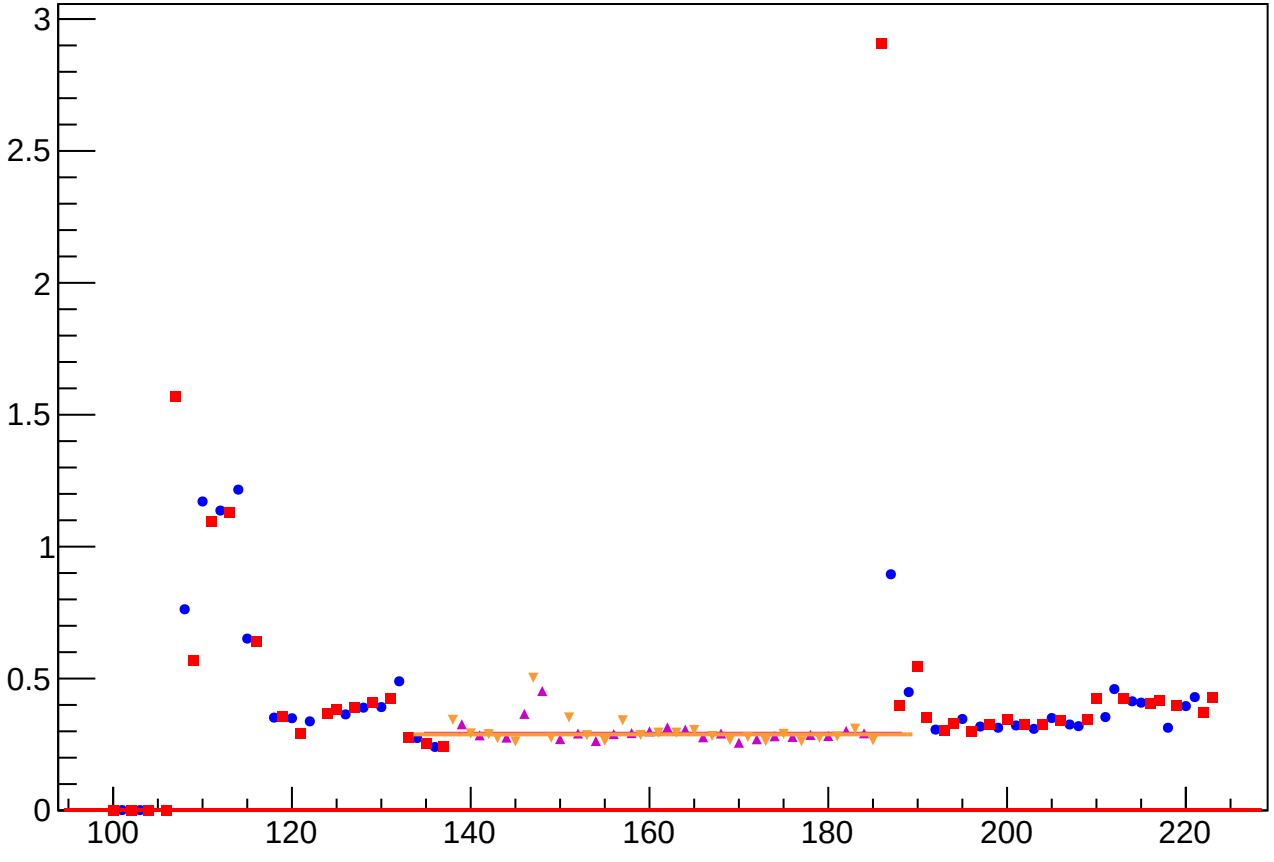
+ sign 0.002+/-0.000 χ^2/NDF: 69635613.6/58

All: 0.002+/-0.000 χ^2/NDF: 139000108.0/120

- sign 0.002+/-0.000 χ^2/NDF: 69364234.4/61


yield_cav4dY_mean vs Slug
140
120
100
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
220
Right In: 61.631+/-0.000 χ²/NDF: 1333978411223.2/33
Left Out: -32.386+/-0.000 χ²/NDF:172024234.9/24
Right Out: 44.763+/-0.000 χ²/NDF: 366728625333698.8/38
Left In: -32.325+/-0.000 χ²/NDF:118654391.5/22
+ sign 61.569+/-0.000 χ²/NDF: 3290815720489.1/5
All: 52.612+/-0.000 χ²/NDF: 422220648603
- sign 44.722+/-0.000 χ²/NDF: 367955738945814.0

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 39131845.2/33

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 40018124.5/38

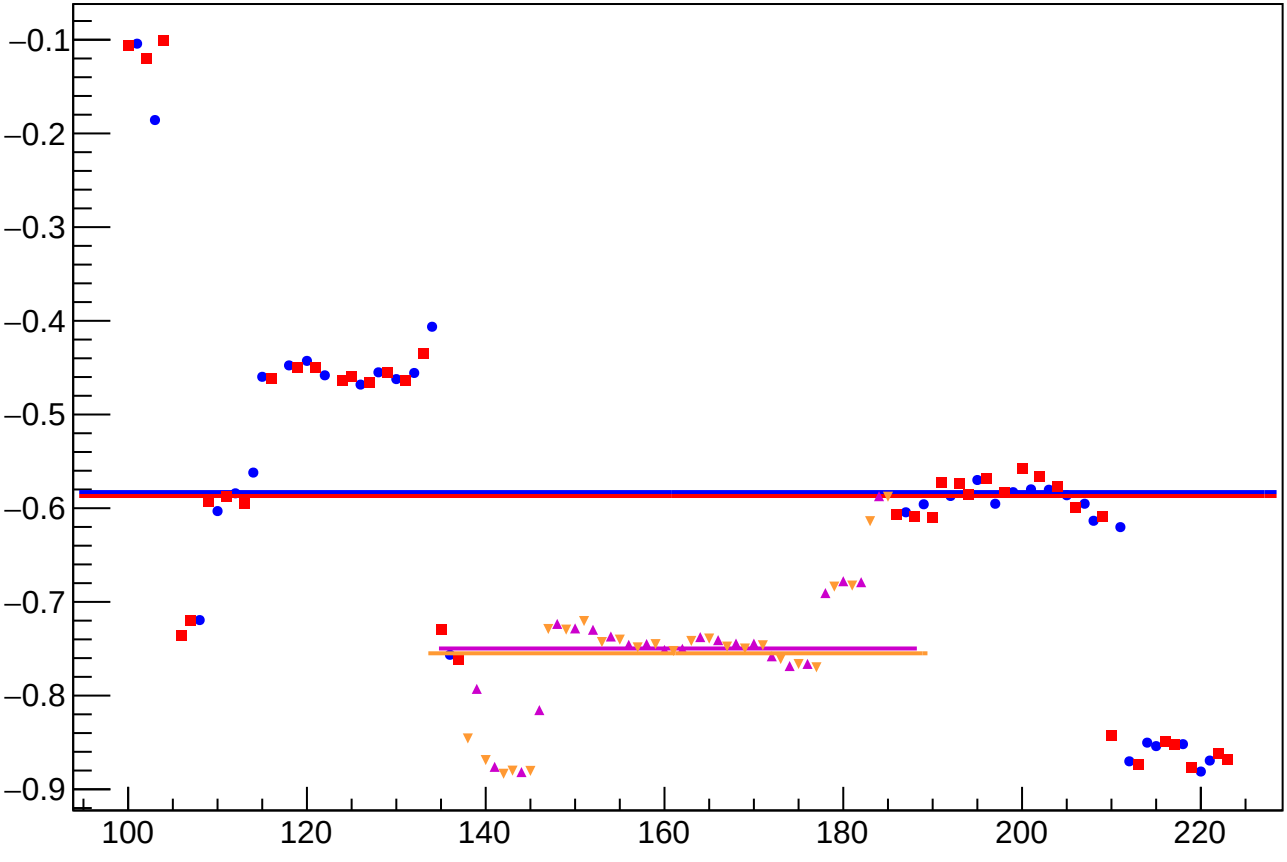
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 76065345.4/58

All: 0.002+/-0.000 χ^2/NDF: 150967156.2/120

- sign 0.002+/-0.000 χ^2/NDF: 74901558.1/61

yield_bpm4aX_mean vs Slug



Right In: -0.583+/-0.000 χ^2/NDF: 475235771.0/33

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.587+/-0.000 χ^2/NDF: 391309458.9/38

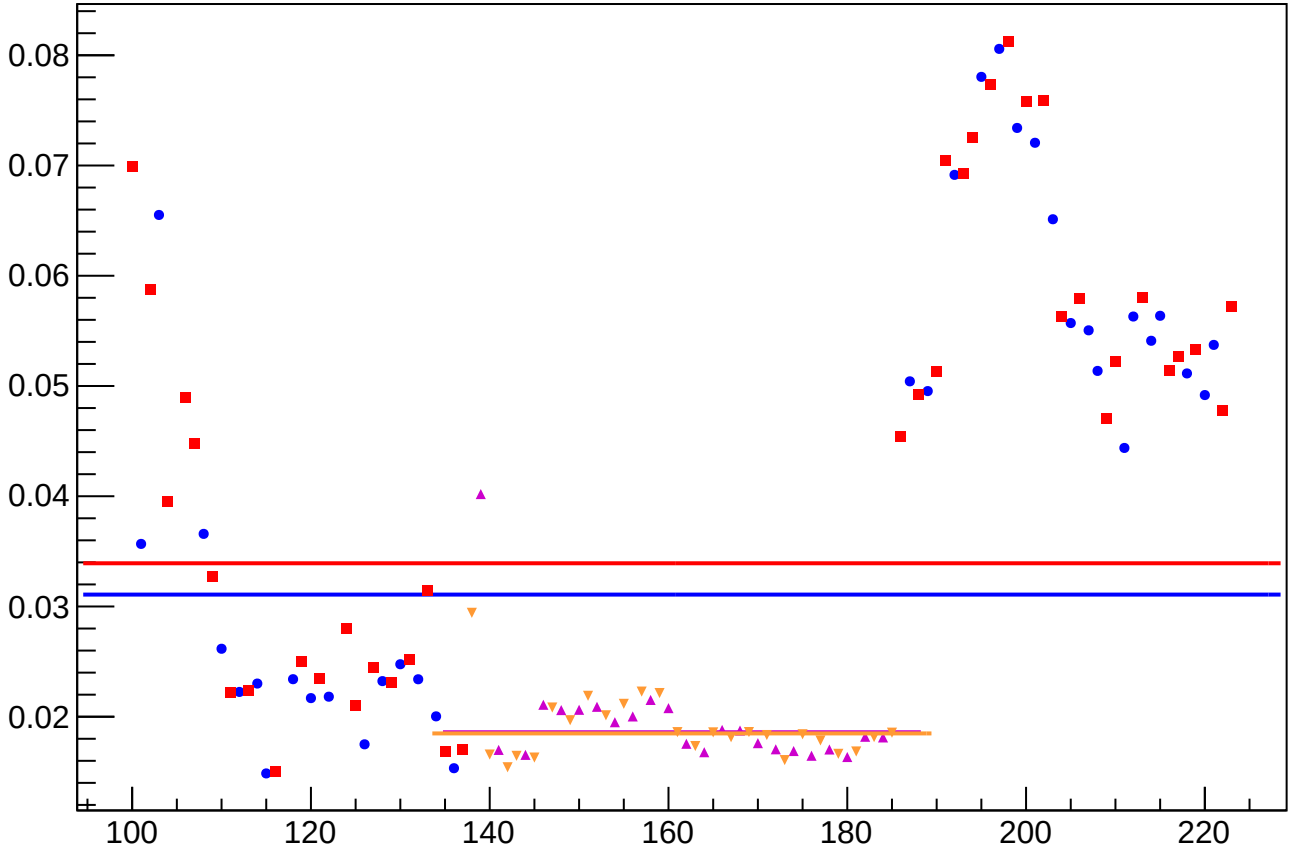
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.710+/-0.000 χ^2/NDF: 1038922830.1/58

All: -0.709+/-0.000 χ^2/NDF: 1857464608.4/1

- sign -0.708+/-0.000 χ^2/NDF: 818428564.7/61

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF: 9761790.8/33

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.034+/-0.000 χ^2/NDF: 9011410.7/38

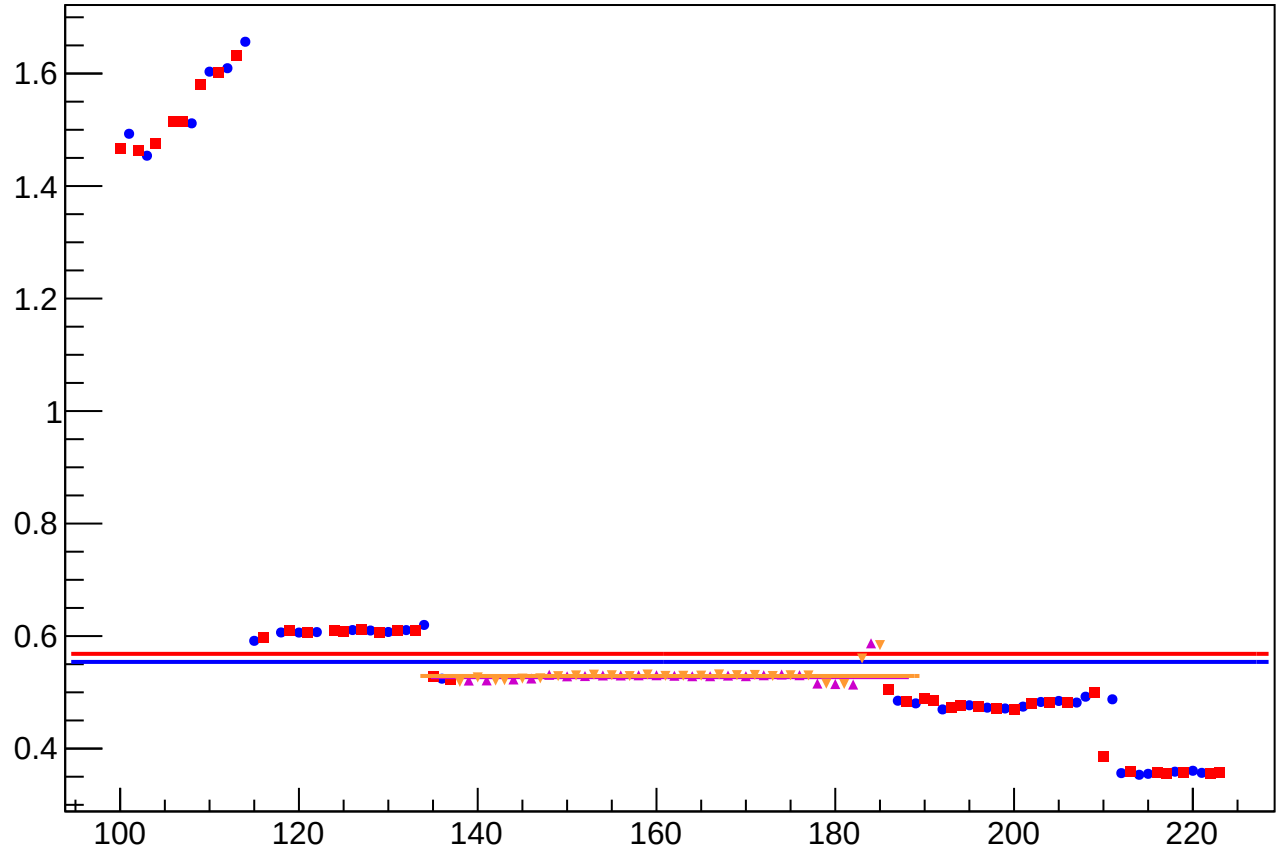
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.022+/-0.000 χ^2/NDF: 14013592.9/58

All: 0.022+/-0.000 χ^2/NDF: 28874589.0/120

- sign 0.022+/-0.000 χ^2/NDF: 14828124.2/61

yield_bpm4aY_mean vs Slug



Right In: 0.554+/-0.000 χ^2/NDF: 6529050358.0/33

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.568+/-0.000 χ^2/NDF: 7559342893.1/38

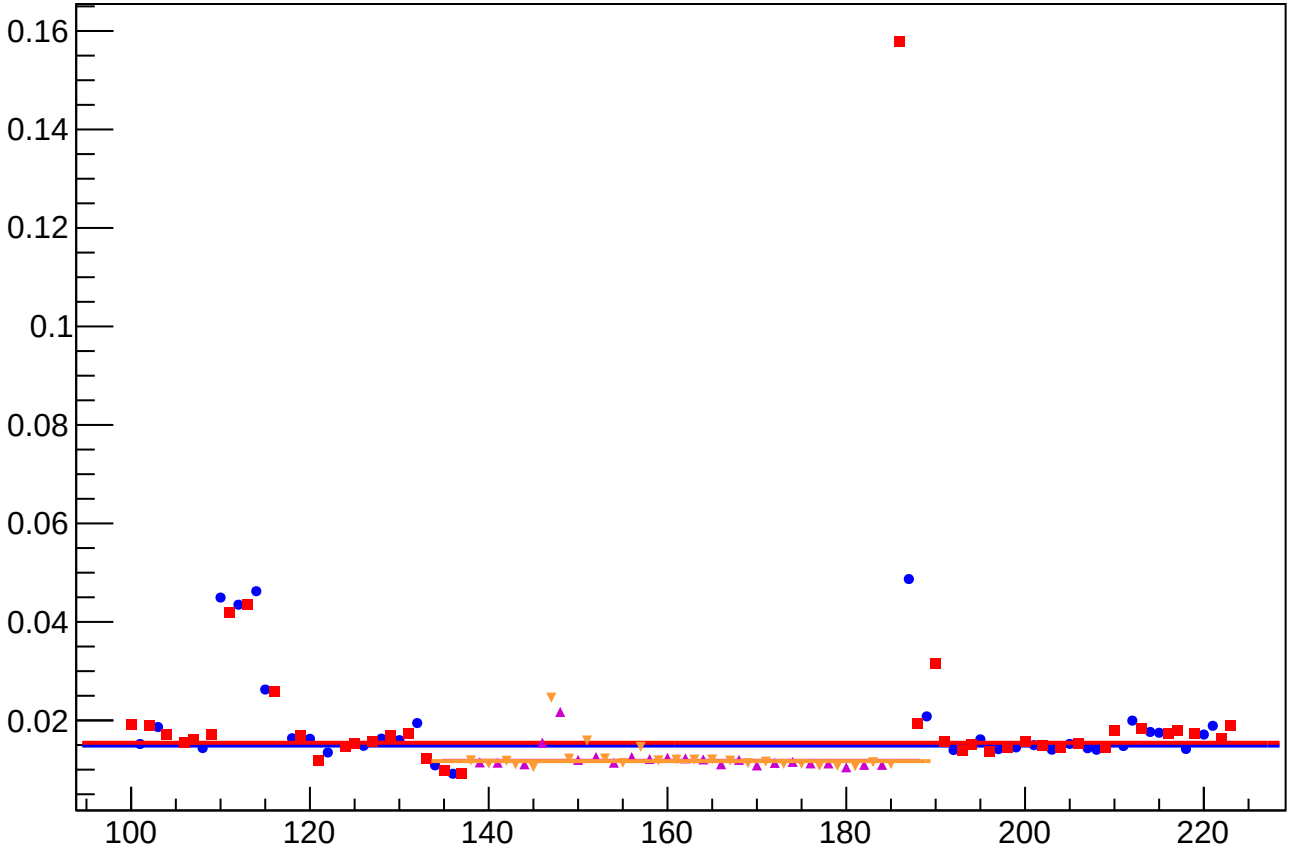
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.539+/-0.000 χ^2/NDF: 6578807543.6/58

All: 0.541+/-0.000 χ^2/NDF: 14241296045.4/1

- sign 0.544+/-0.000 χ^2/NDF: 7660080848.5/61

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2323602.5/33

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2608258.6/38

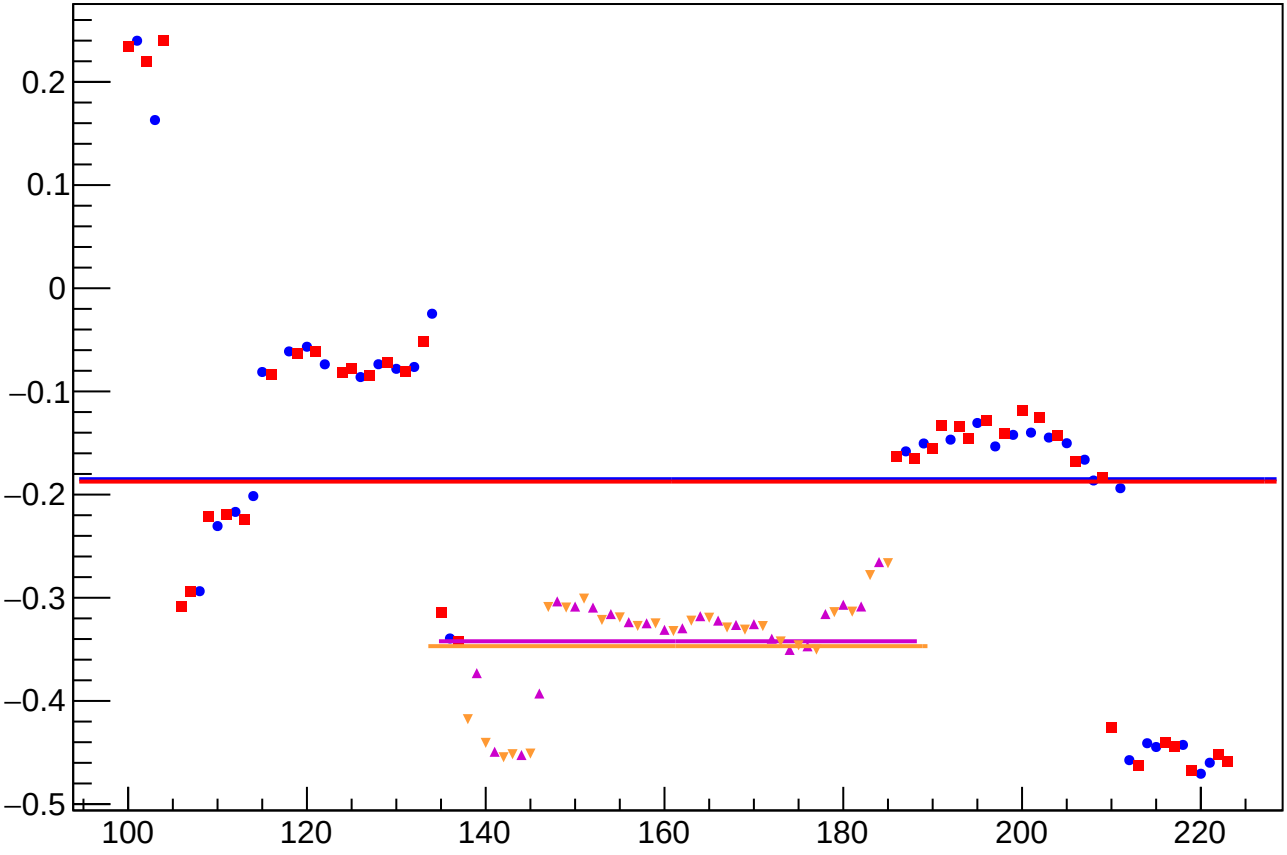
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 4091936.3/58

All: 0.013+/-0.000 χ^2/NDF: 8612355.9/120

- sign 0.013+/-0.000 χ^2/NDF: 4503175.7/61

yield_bpm4eX_mean vs Slug



Right In: -0.185+/-0.000 χ^2/NDF: 451626739.3/33

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.187+/-0.000 χ^2/NDF: 378244984.1/38

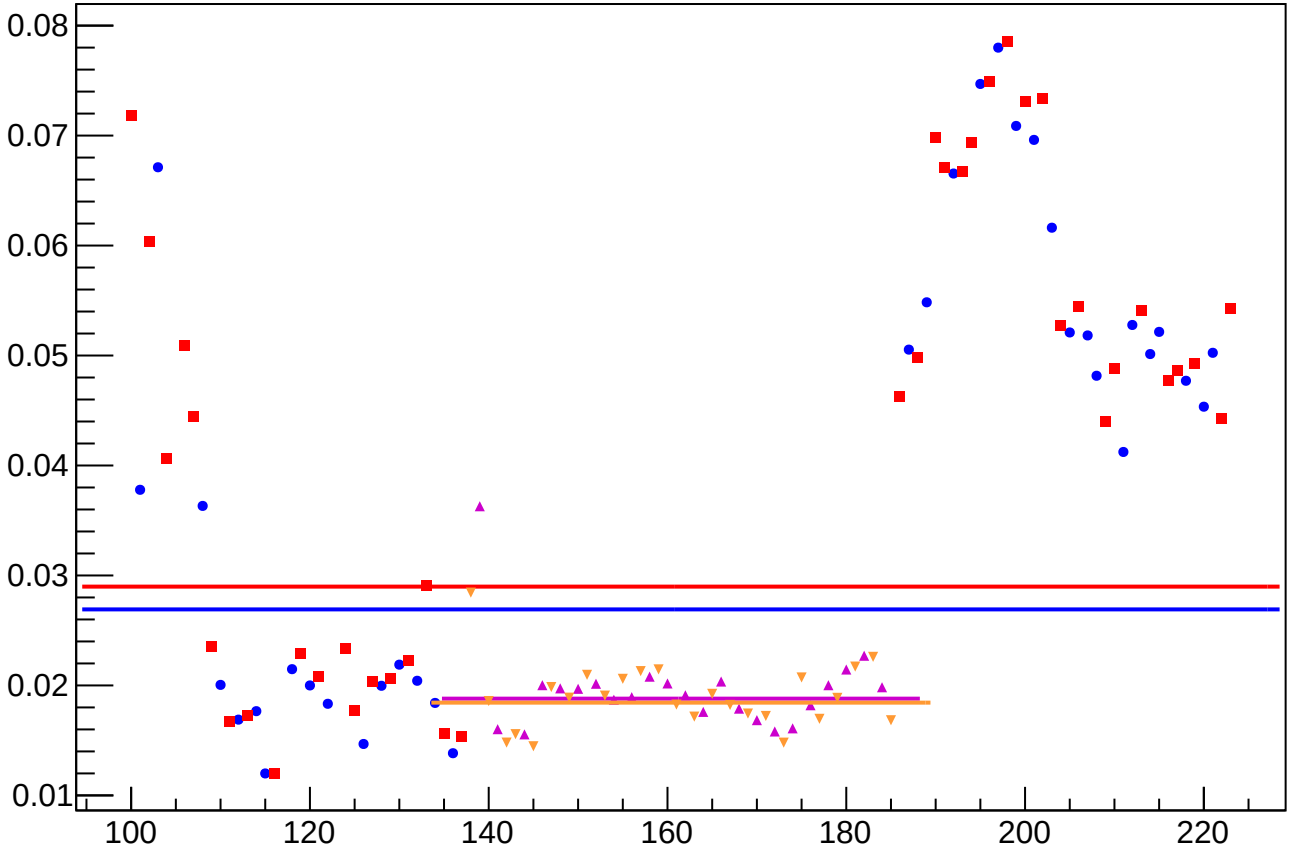
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.298+/-0.000 χ^2/NDF: 948021461.6/58

All: -0.296+/-0.000 χ^2/NDF: 1725231886.0/1

- sign -0.295+/-0.000 χ^2/NDF: 776939444.7/61

yield_bpm4eX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 11282758.5/33

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.029+/-0.000 χ^2/NDF: 11035783.9/38

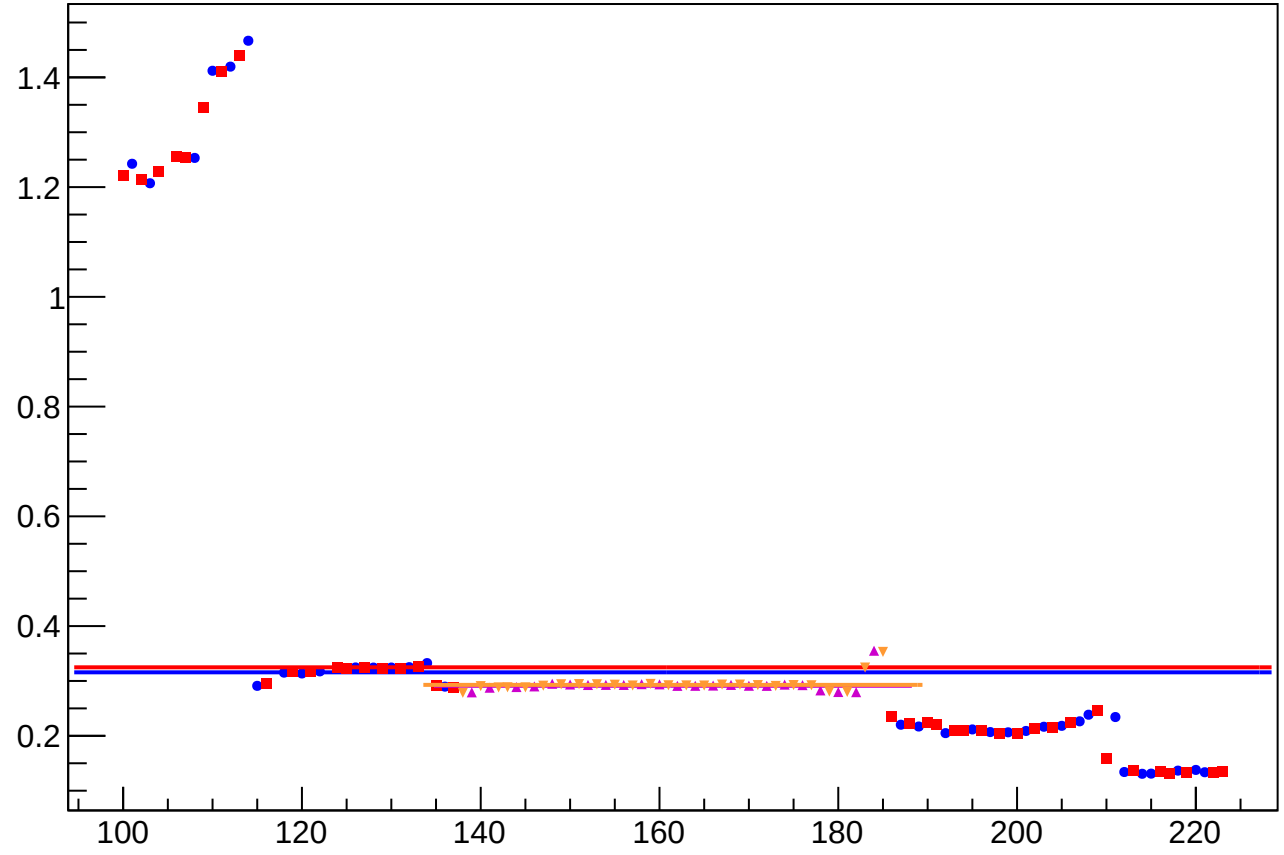
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.021+/-0.000 χ^2/NDF: 13956706.5/58

All: 0.021+/-0.000 χ^2/NDF: 28453754.4/120

- sign 0.022+/-0.000 χ^2/NDF: 14445181.8/61

yield_bpm4eY_mean vs Slug



Right In: 0.316+/-0.000 χ^2/NDF: 9170697702.5/33

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.325+/-0.000 χ^2/NDF: 10138725969.1/38

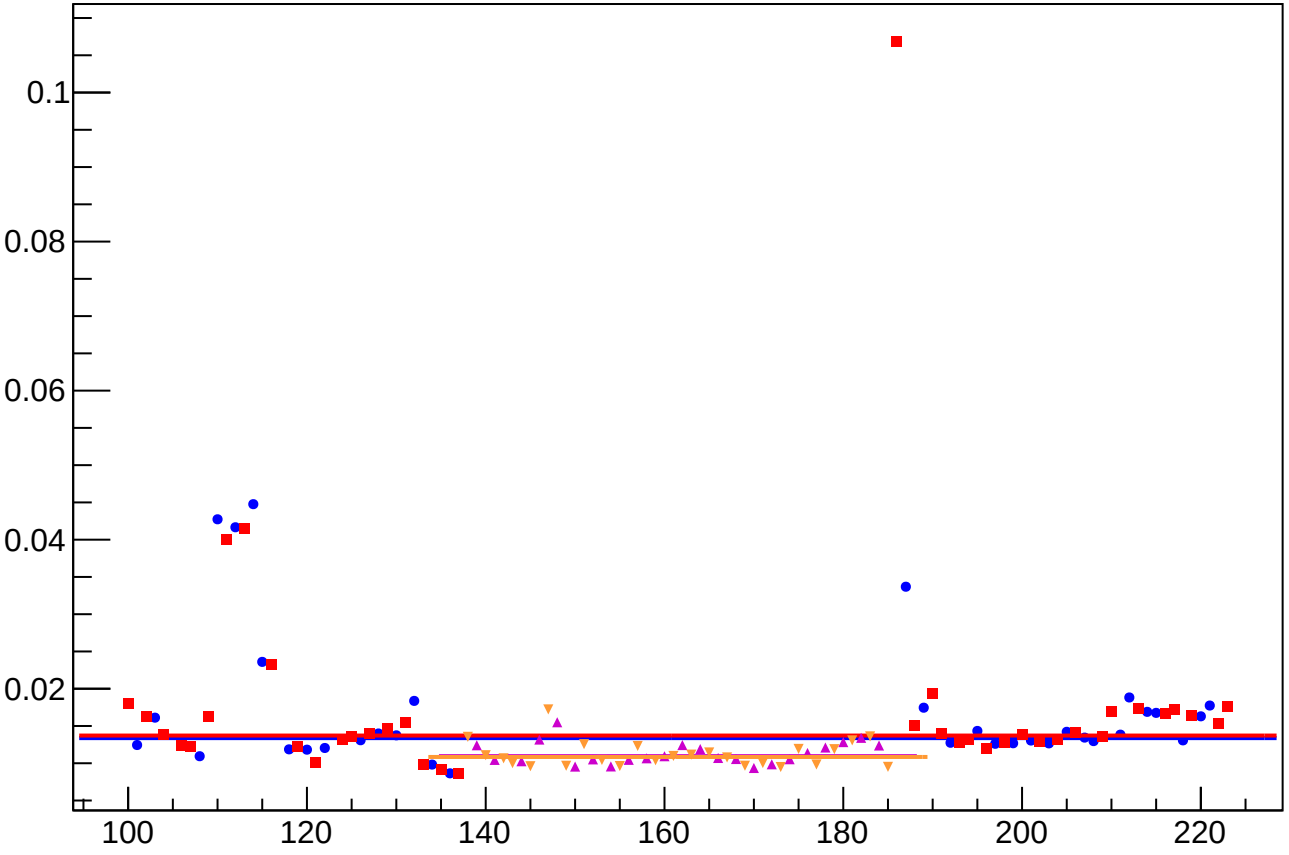
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.302+/-0.000 χ^2/NDF: 9221769150.5/58

All: 0.304+/-0.000 χ^2/NDF: 19442438282.0/1

- sign 0.306+/-0.000 χ^2/NDF: 10219286227.6/61

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2328273.8/33

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

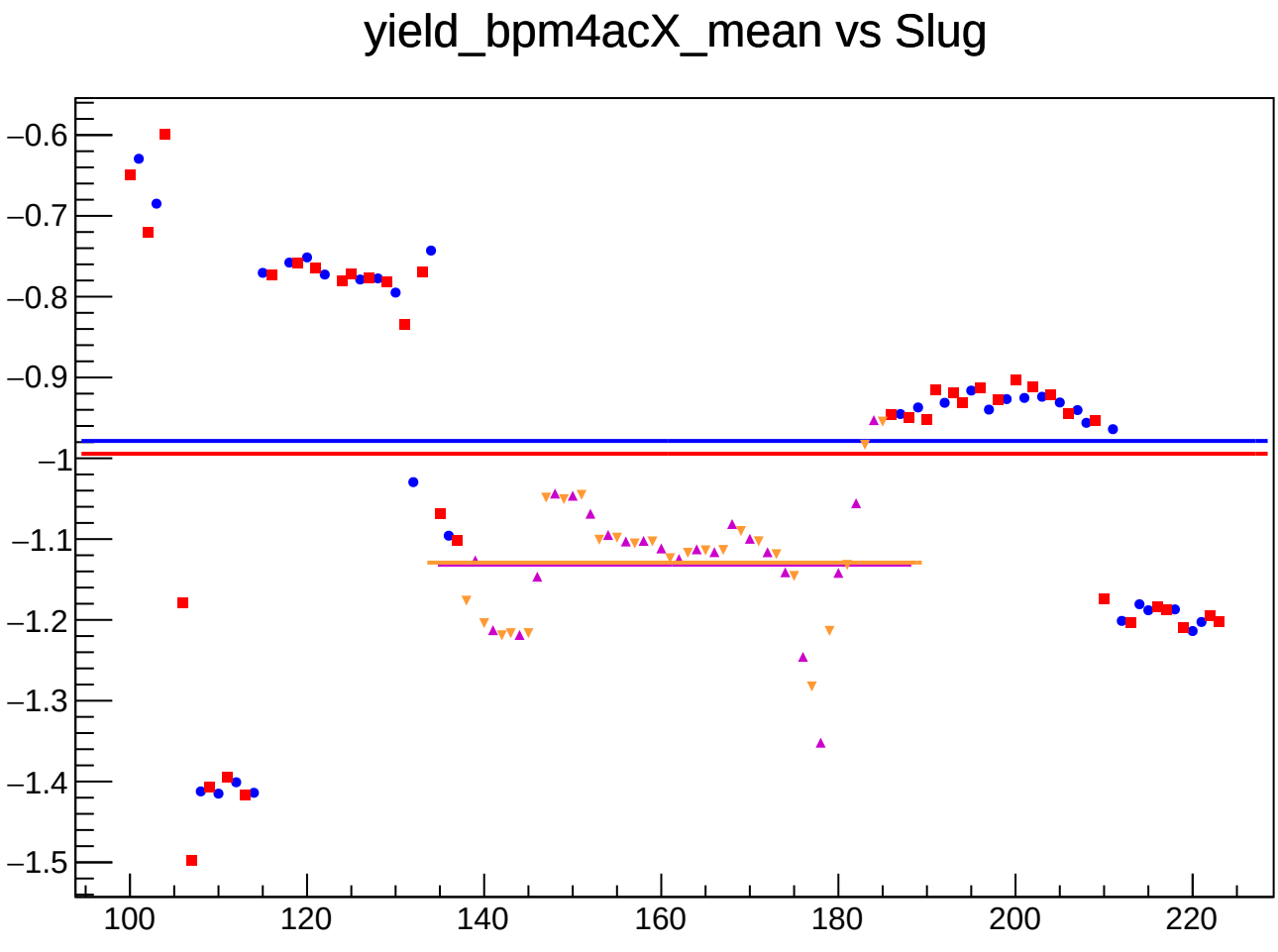
Right Out: 0.014+/-0.000 χ^2/NDF: 2624114.2/38

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 3807848.0/58

All: 0.012+/-0.000 χ^2/NDF: 7904325.9/120

- sign 0.012+/-0.000 χ^2/NDF: 4080831.1/61



Right In: -0.979+/-0.000 χ^2/NDF: 805272978.5/33

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.994+/-0.000 χ^2/NDF: 812304588.2/38

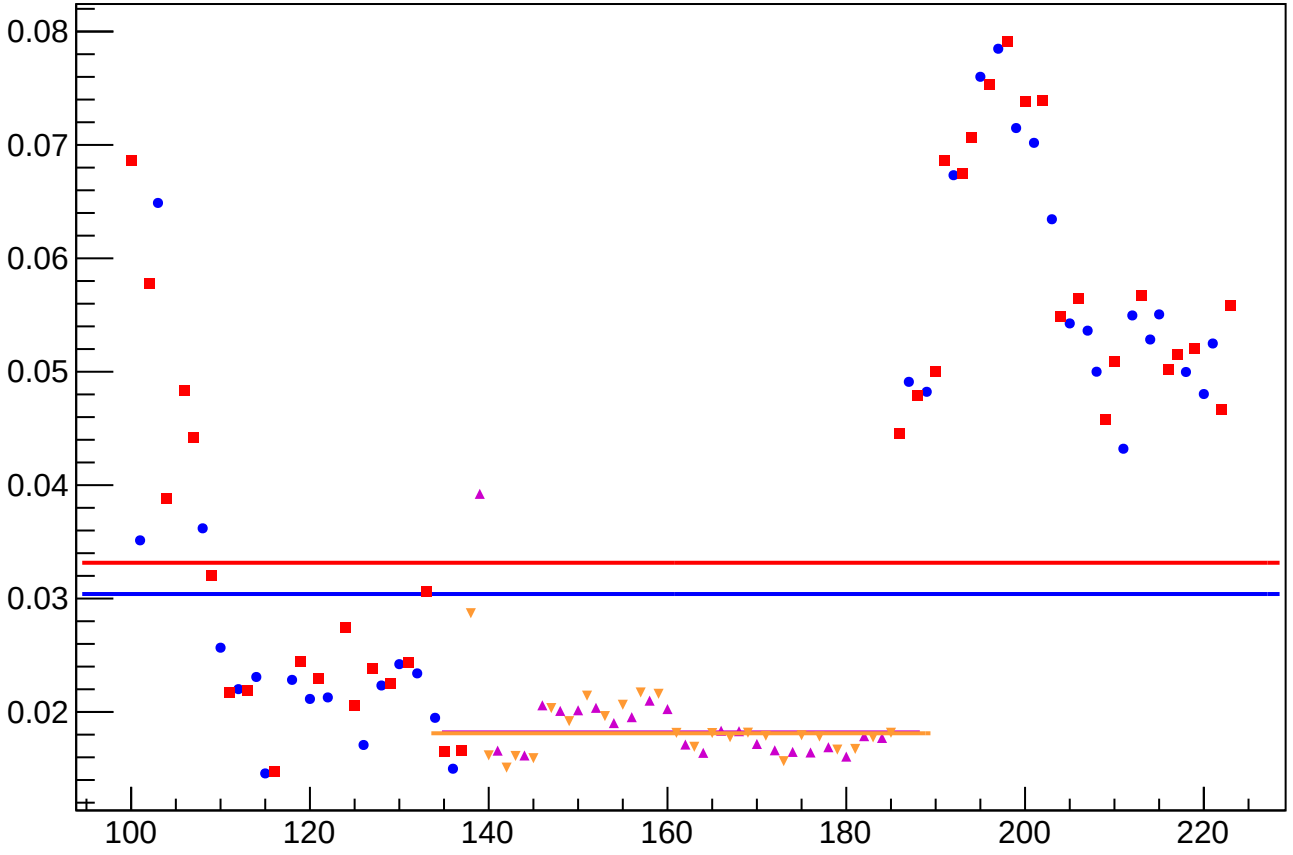
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.090+/-0.000 χ^2/NDF: 1324069999.8/58

All: -1.093+/-0.000 χ^2/NDF: 2610788693.7/1

- sign -1.097+/-0.000 χ^2/NDF: 1285302512.2/61

yield_bpm4acX_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 9728881.3/33

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8981030.6/38

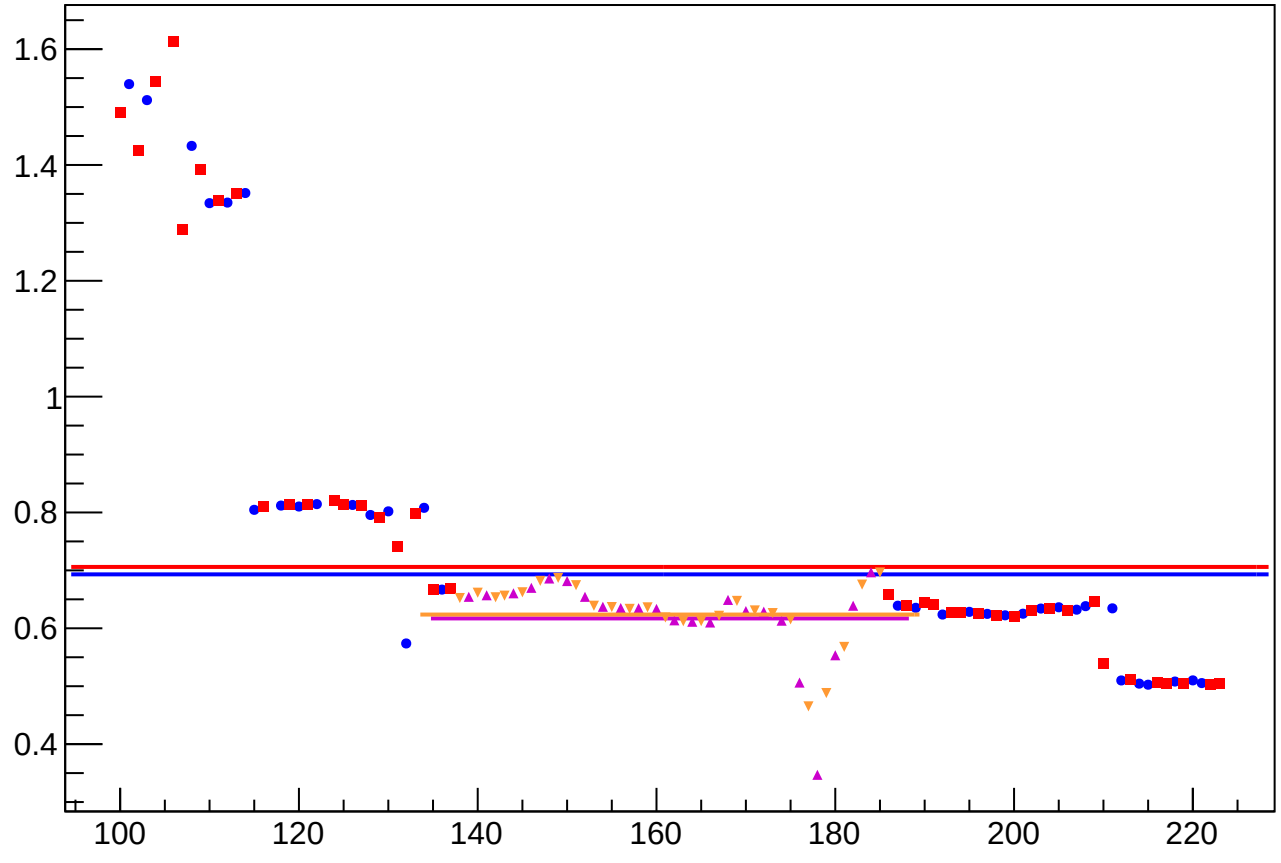
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 13937944.4/58

All: 0.022+/-0.000 χ^2/NDF: 28730542.1/120

- sign 0.022+/-0.000 χ^2/NDF: 14762635.9/61

yield_bpm4acY_mean vs Slug



Right In: 0.693+/-0.000 χ^2/NDF: 4653361816.8/33

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.706+/-0.000 χ^2/NDF: 5072544336.5/38

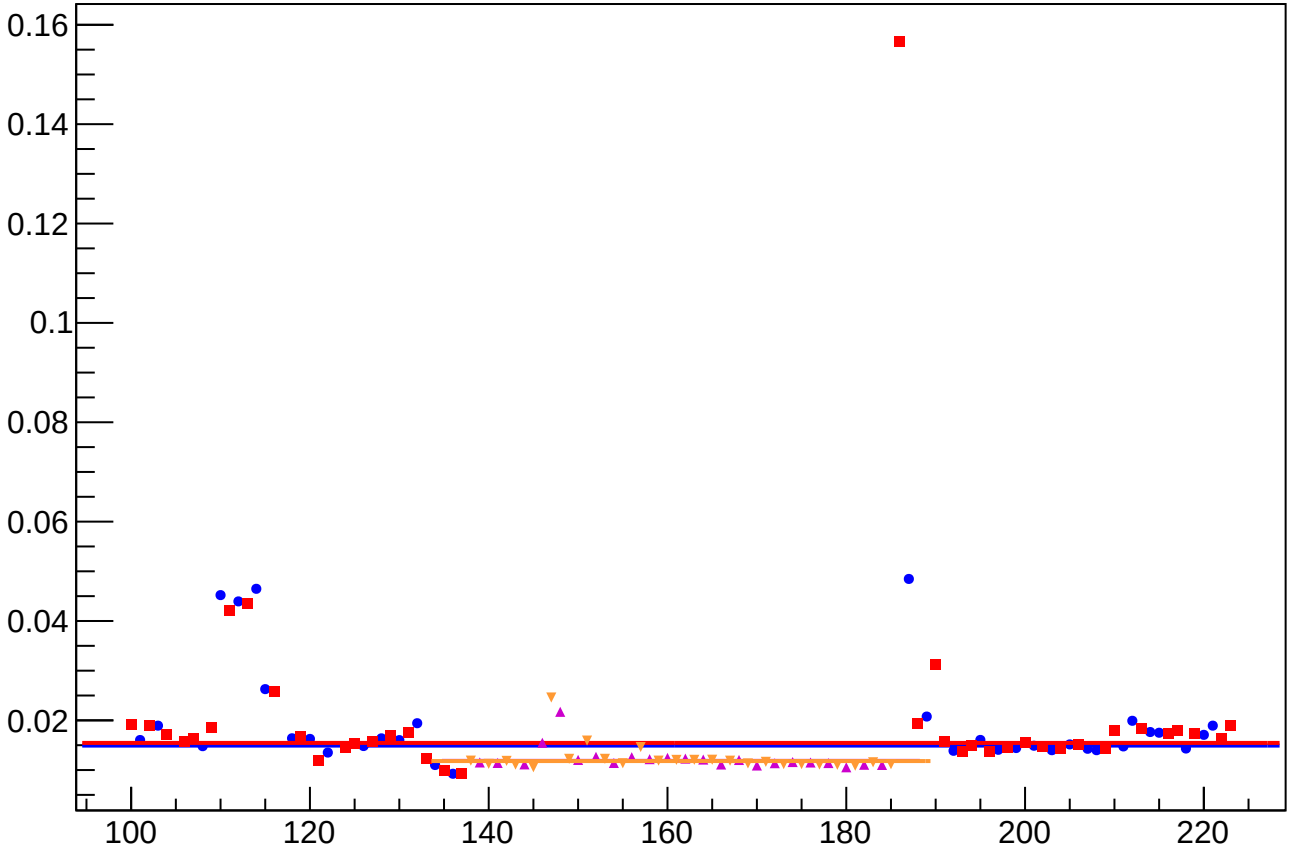
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.652+/-0.000 χ^2/NDF: 5310279689.8/58

All: 0.652+/-0.000 χ^2/NDF: 11431516678.0/1

- sign 0.653+/-0.000 χ^2/NDF: 6120952460.0/61

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2299156.6/33

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2614606.8/38

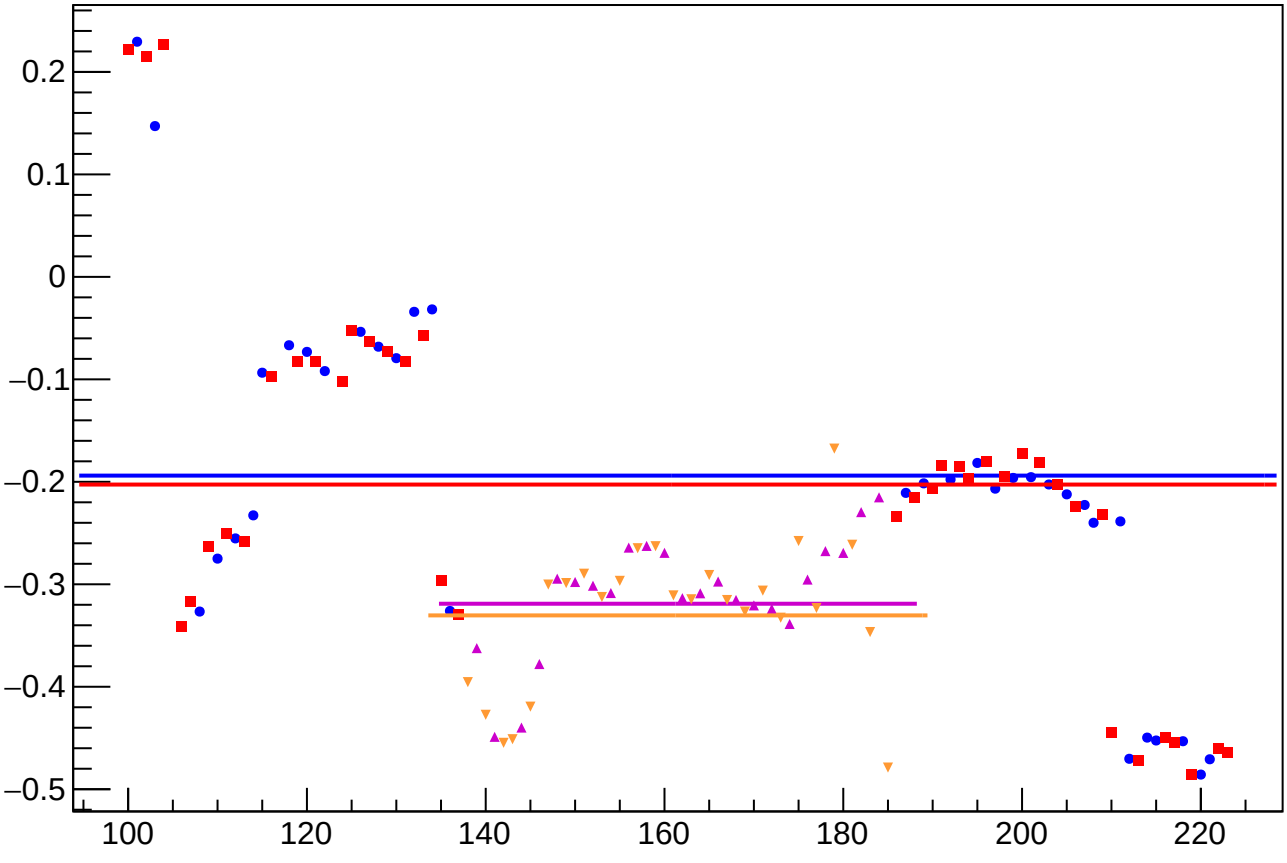
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 4005535.1/58

All: 0.013+/-0.000 χ^2/NDF: 8472747.0/120

- sign 0.013+/-0.000 χ^2/NDF: 4452818.5/61

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF: 455697743.5/33

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.203+/-0.000 χ^2/NDF: 370550981.3/38

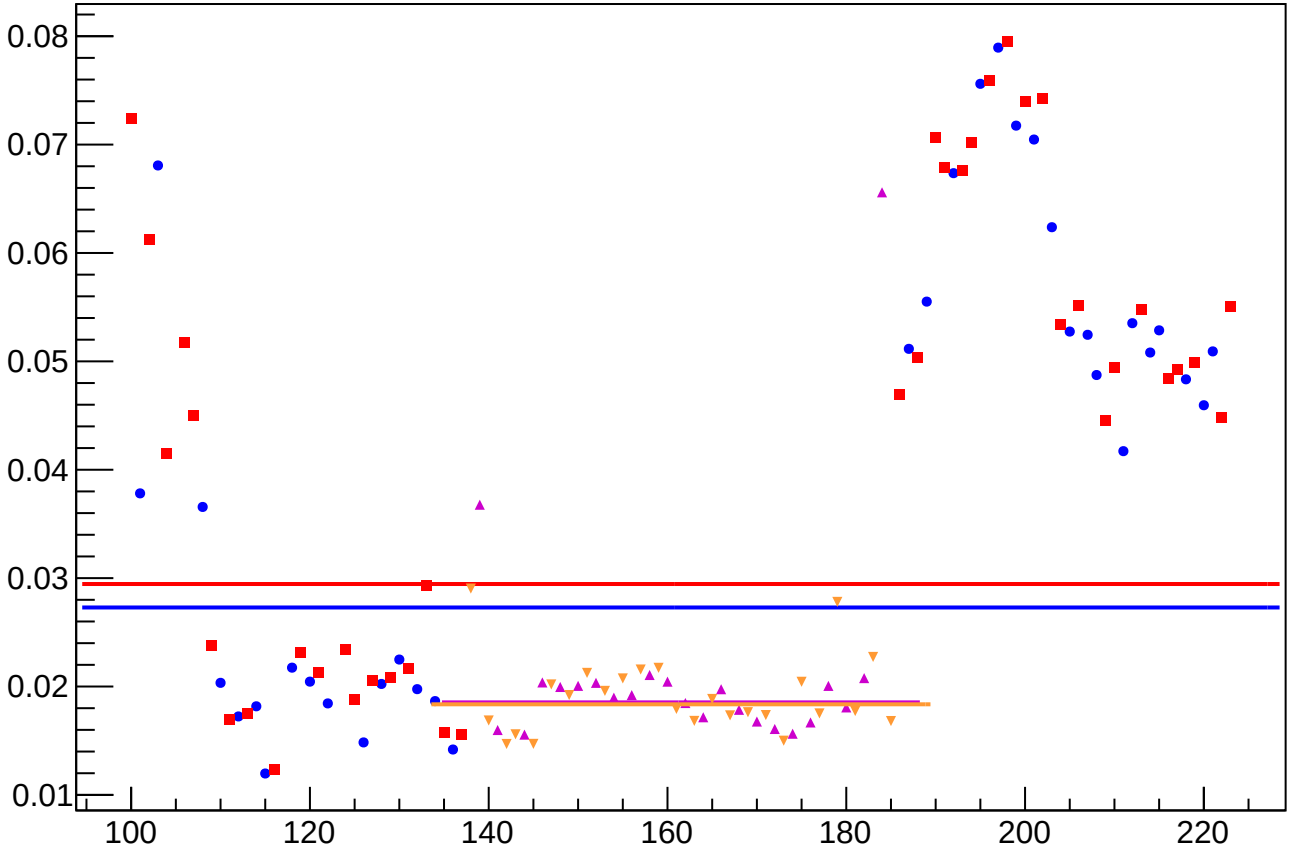
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.289+/-0.000 χ^2/NDF: 895083487.0/58

All: -0.287+/-0.000 χ^2/NDF: 1568464572.7/1

- sign -0.284+/-0.000 χ^2/NDF: 672609230.7/61

yield_bpm4ecX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 11239498.9/33

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.029+/-0.000 χ^2/NDF: 10965123.2/38

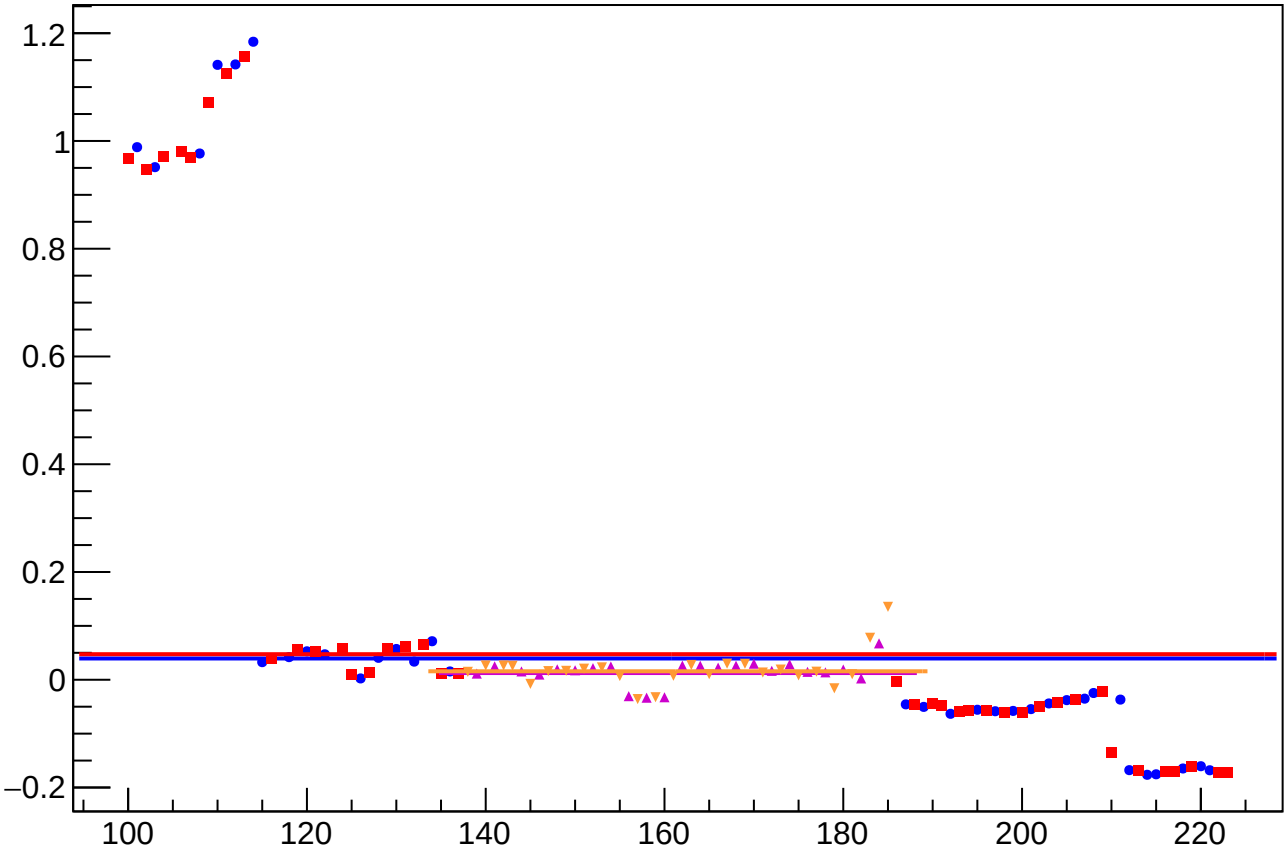
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.021+/-0.000 χ^2/NDF: 14178257.7/58

All: 0.021+/-0.000 χ^2/NDF: 29135760.3/120

- sign 0.022+/-0.000 χ^2/NDF: 14922546.8/61

yield_bpm4ecY_mean vs Slug



Right In: 0.039+/-0.000 χ^2/NDF: 9491331448.4/33

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.047+/-0.000 χ^2/NDF: 10266433366.1/38

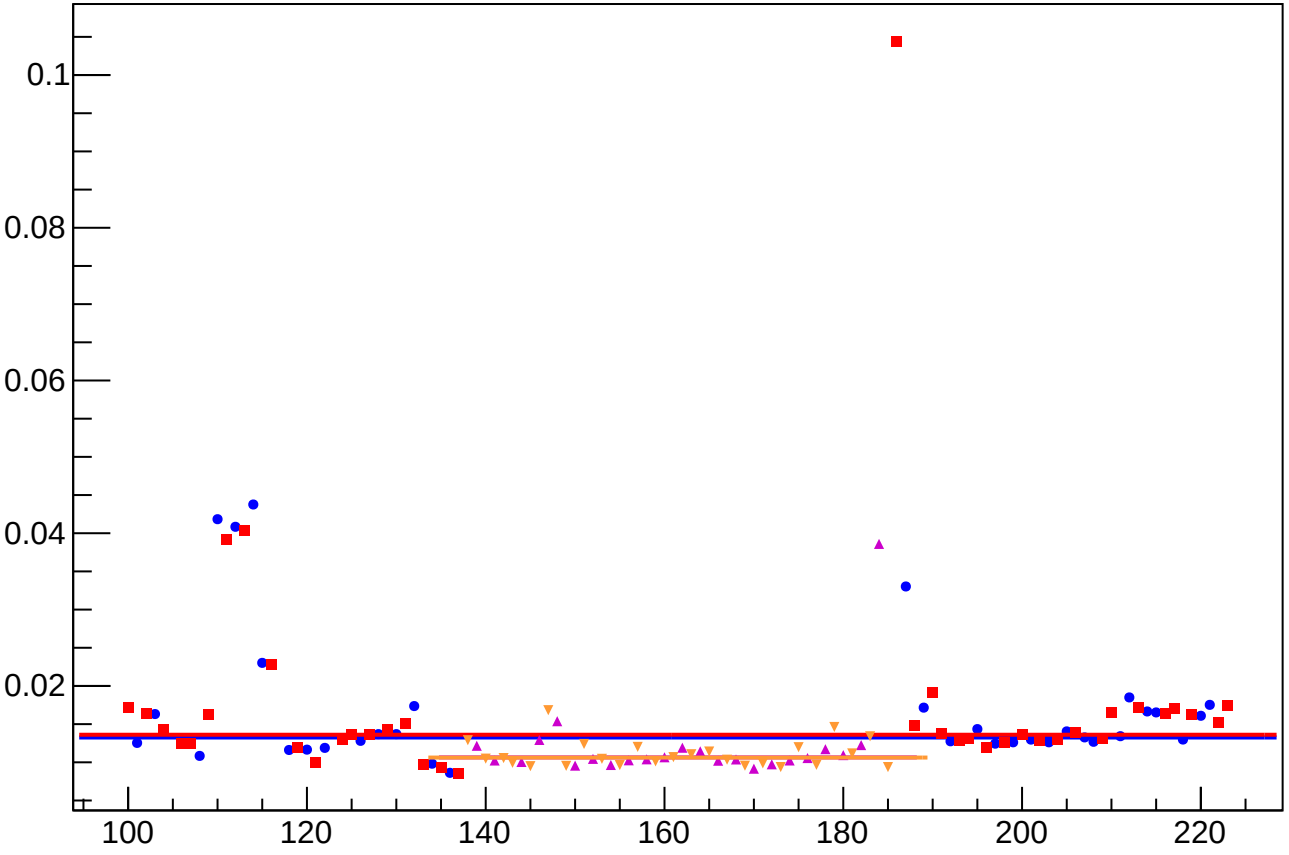
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.026+/-0.000 χ^2/NDF: 9632925760.4/58

All: 0.026+/-0.000 χ^2/NDF: 20036106530.1/1

- sign 0.027+/-0.000 χ^2/NDF: 10402808645.9/61

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2270196.0/33

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2541276.8/38

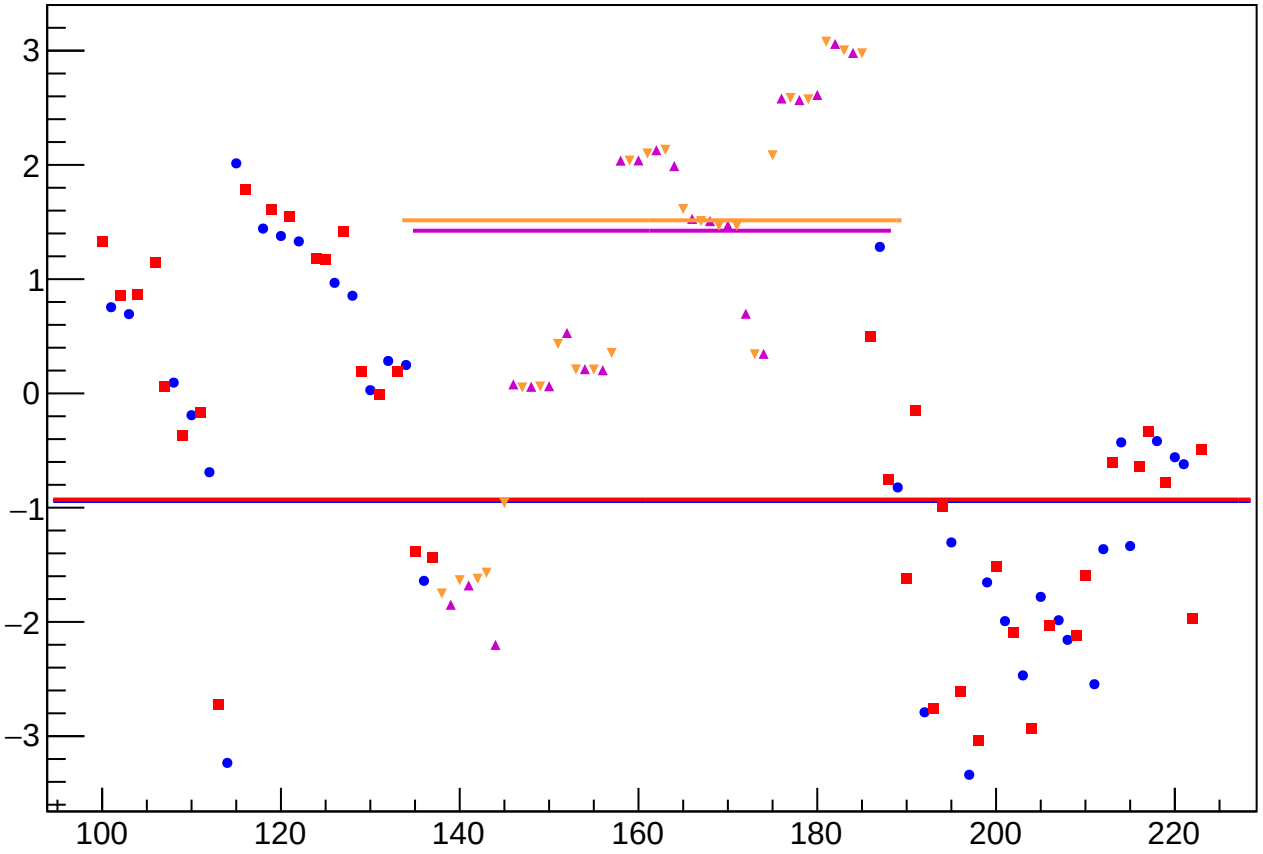
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 3798932.7/58

All: 0.012+/-0.000 χ^2/NDF: 8040996.1/120

- sign 0.012+/-0.000 χ^2/NDF: 4233071.5/61

yield_bpm1X_mean vs Slug



Right In: -0.942+/-0.000 χ^2/NDF: 9907981578.7/33

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.929+/-0.000 χ^2/NDF: 10227595789.9/38

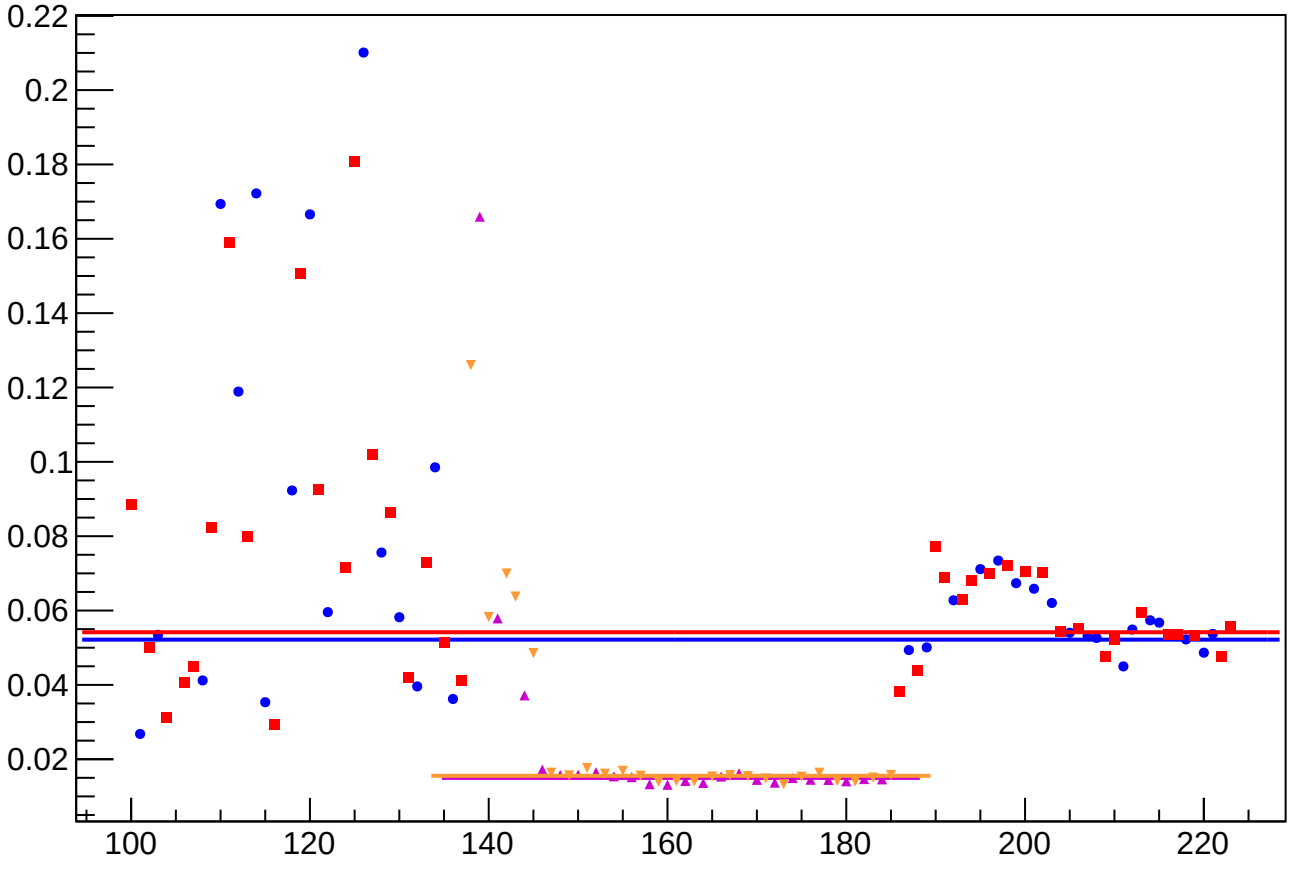
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.280+/-0.000 χ^2/NDF: 112717812936.8/58

All: 1.243+/-0.000 χ^2/NDF: 222994487581.9

- sign 1.206+/-0.000 χ^2/NDF: 110092934632.6/61

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3632851.2/33

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

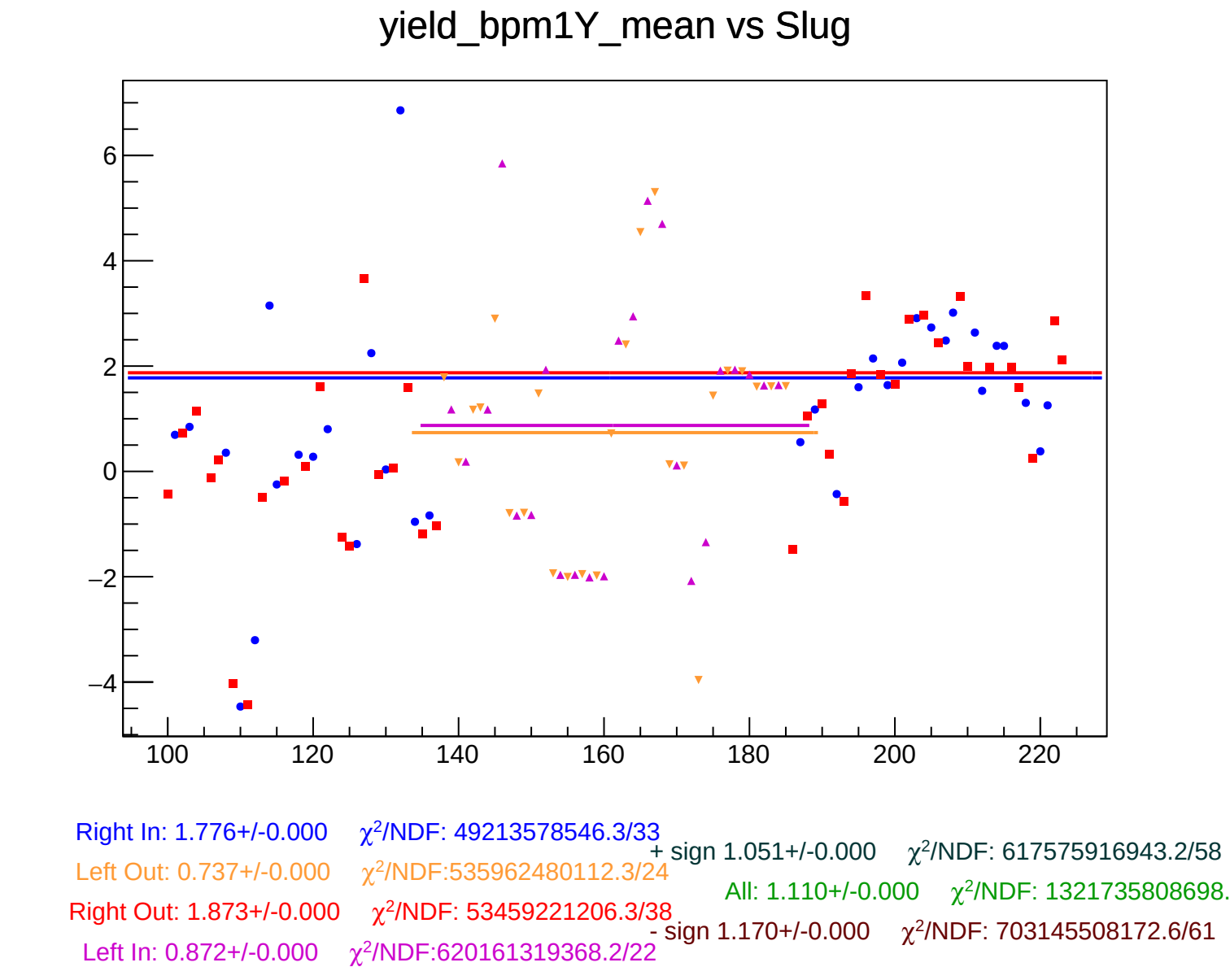
Right Out: 0.054+/-0.000 χ^2/NDF: 3230783.3/38

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

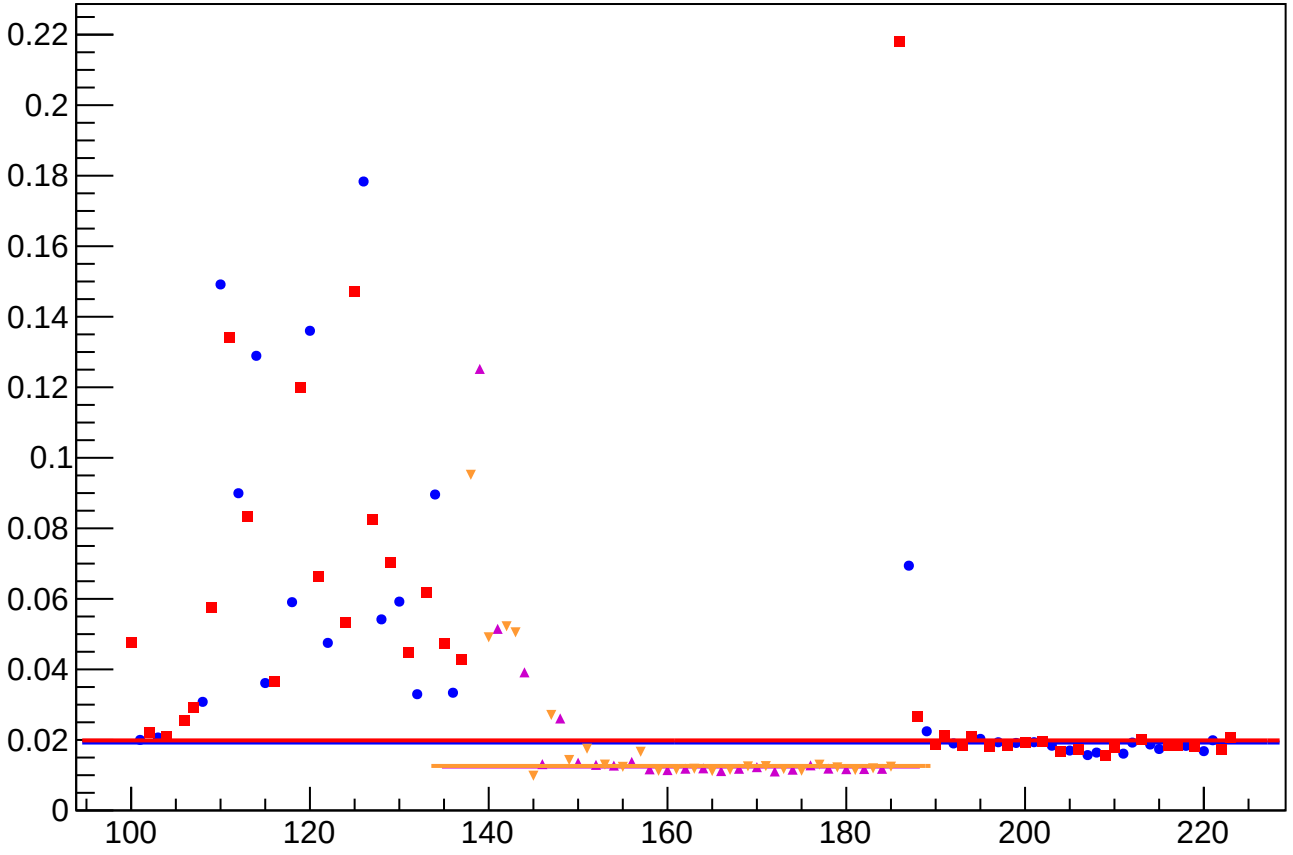
+ sign 0.019+/-0.000 χ^2/NDF: 22180672.8/58

All: 0.019+/-0.000 χ^2/NDF: 45257478.6/120

- sign 0.019+/-0.000 χ^2/NDF: 23063127.1/61


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: 1.776+/-0.000 χ²/NDF: 49213578546.3/33
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 1.873+/-0.000 χ²/NDF: 53459221206.3/38
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 1.051+/-0.000 χ²/NDF: 617575916943.2/58
All: 1.110+/-0.000 χ²/NDF: 1321735808698.
- sign 1.170+/-0.000 χ²/NDF: 703145508172.6/61

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 4543135.7/33

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

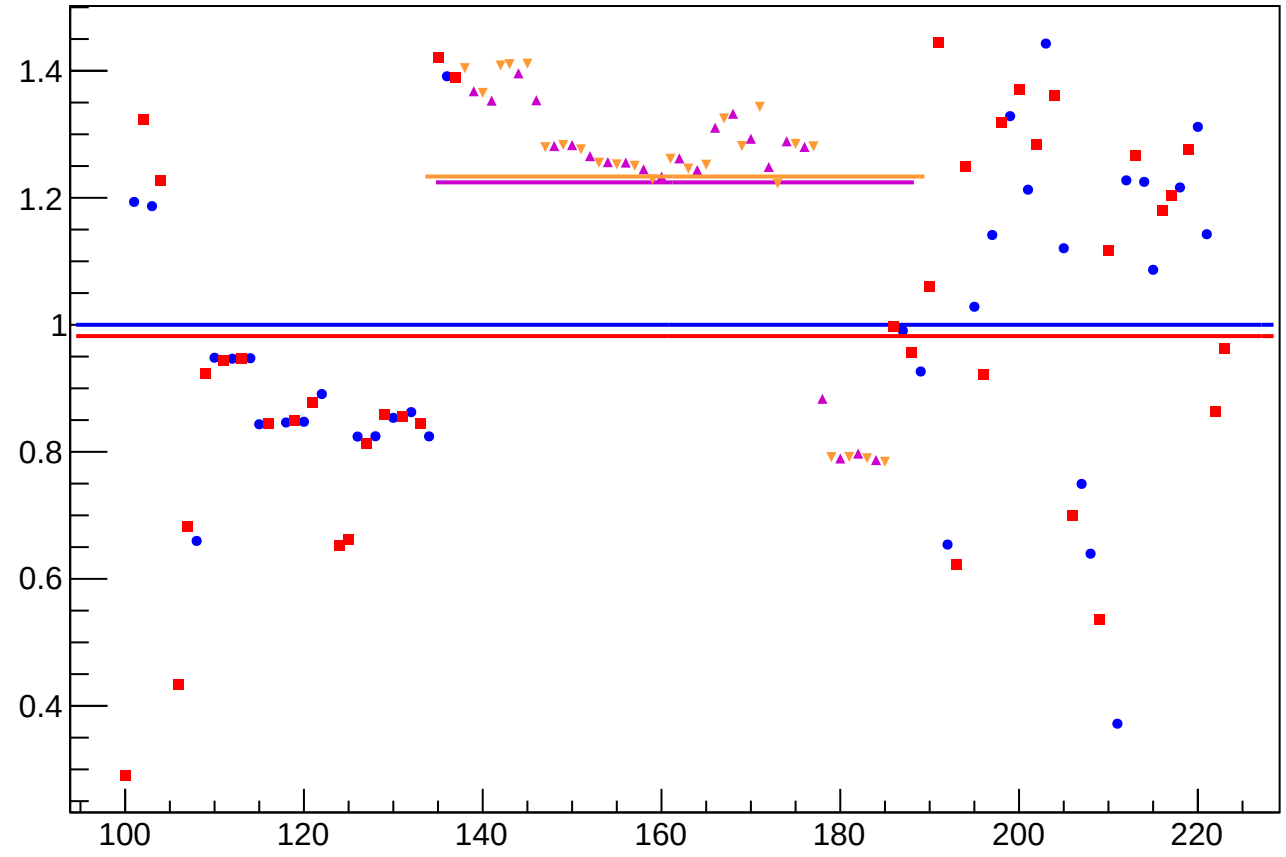
Right Out: 0.020+/-0.000 χ^2/NDF: 5614589.0/38

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.015+/-0.000 χ^2/NDF: 10374788.1/58

All: 0.015+/-0.000 χ^2/NDF: 21984397.2/120

- sign 0.015+/-0.000 χ^2/NDF: 11609435.5/61



Right In: 1.000+/-0.000 χ^2/NDF: 2536490669.0/33

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.982+/-0.000 χ^2/NDF: 2727467005.6/38

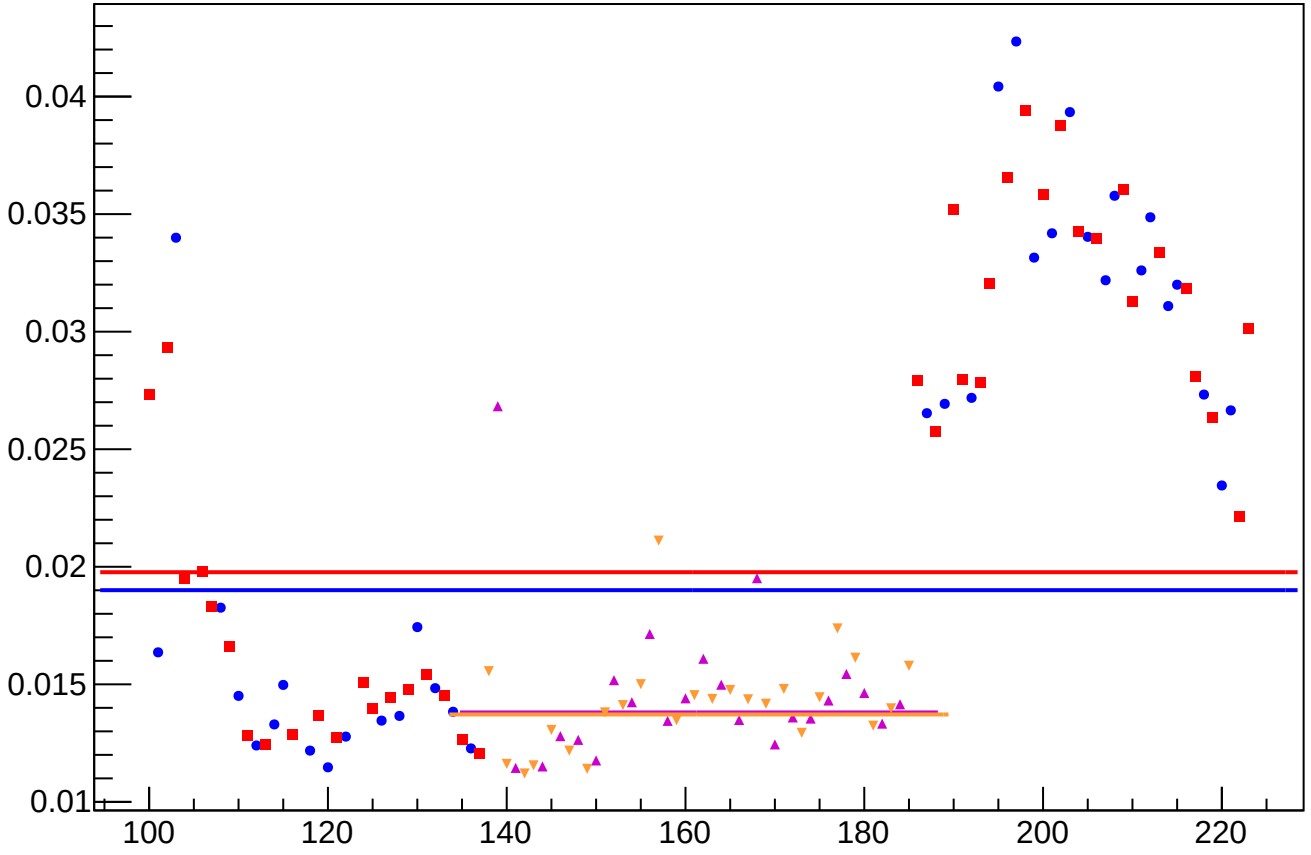
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.154+/-0.000 χ^2/NDF: 7252330724.4/58

All: 1.147+/-0.000 χ^2/NDF: 14393891113.5/1

- sign 1.140+/-0.000 χ^2/NDF: 7127594353.6/61

yield_bpm11X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 6916398.4/33

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.020+/-0.000 χ^2/NDF: 6350356.0/38

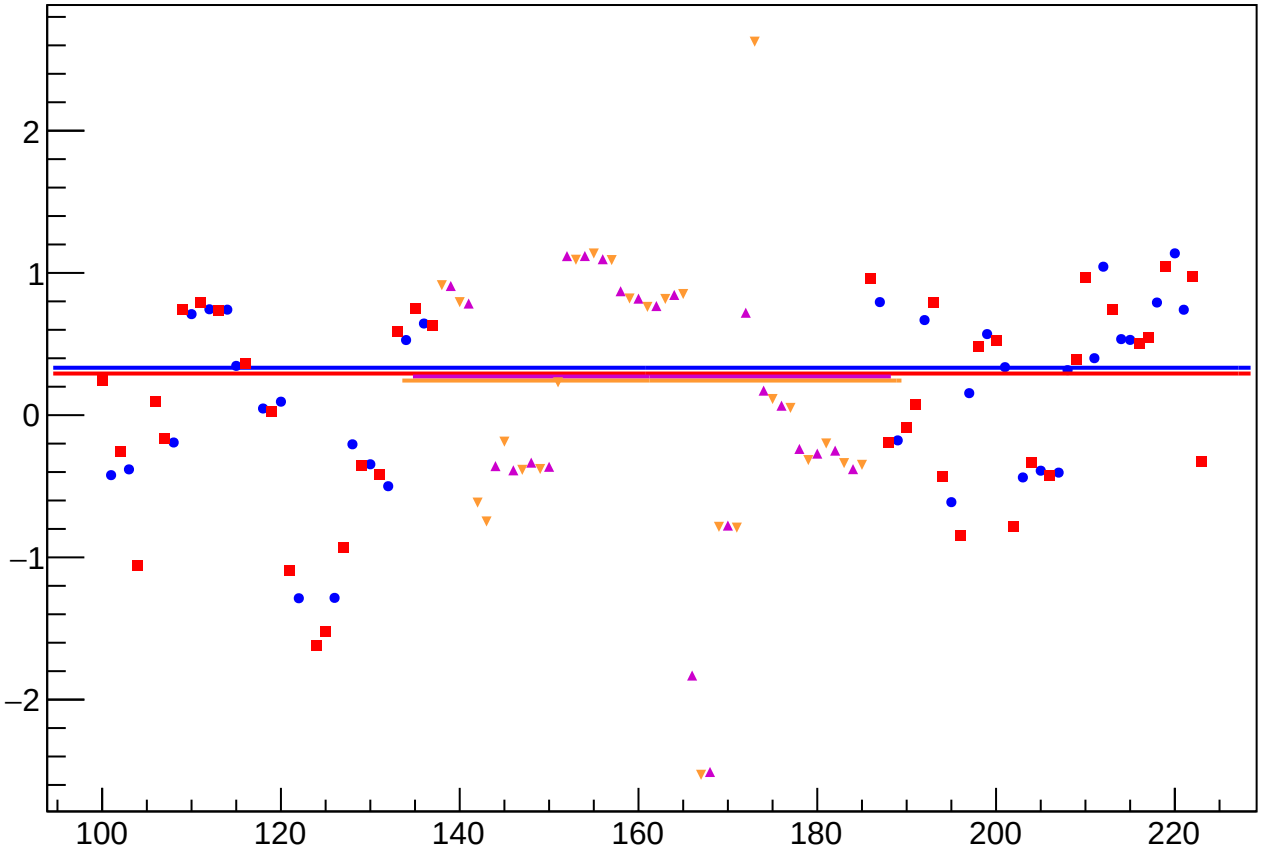
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.016+/-0.000 χ^2/NDF: 9182060.0/58

All: 0.016+/-0.000 χ^2/NDF: 18541906.6/120

- sign 0.016+/-0.000 χ^2/NDF: 9341137.9/61

yield_bpm11Y_mean vs Slug



Right In: 0.333+/-0.000 χ^2/NDF: 49663965469.8/33

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.293+/-0.000 χ^2/NDF: 63597875479.2/38

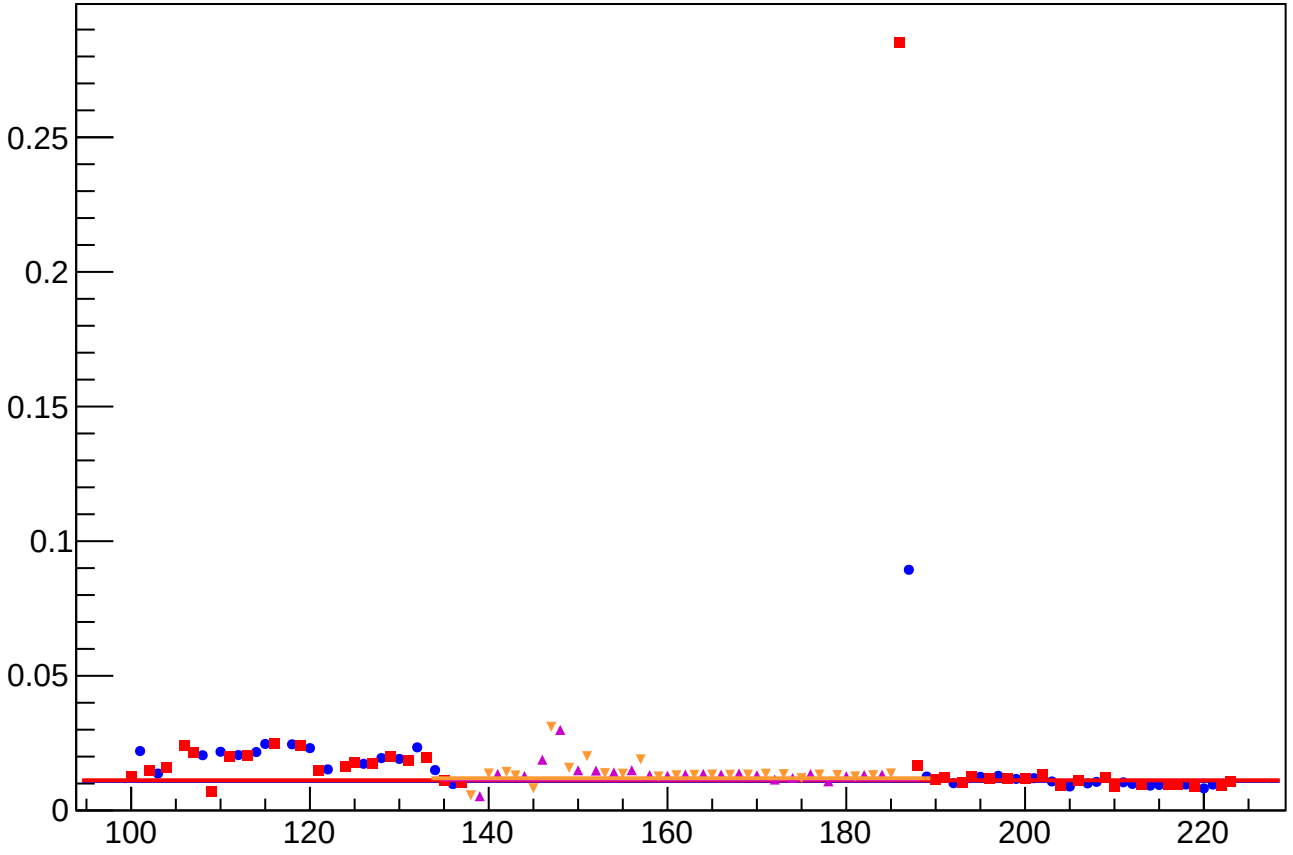
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.294+/-0.000 χ^2/NDF: 155794238999.5/58

All: 0.289+/-0.000 χ^2/NDF: 309938412027.6

- sign 0.283+/-0.000 χ^2/NDF: 154128577860.0/61

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 3158170.5/33

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

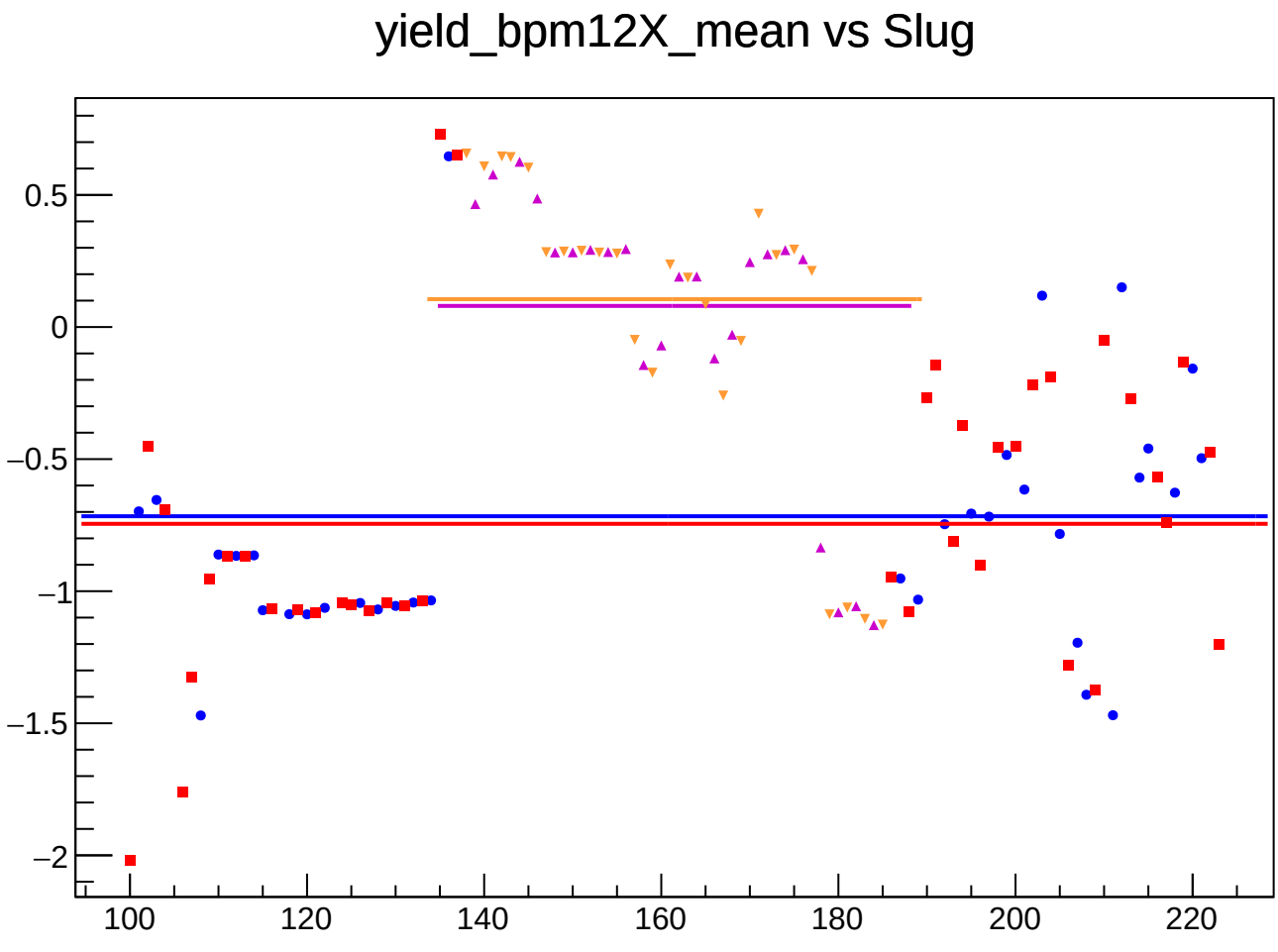
Right Out: 0.011+/-0.000 χ^2/NDF: 3599067.7/38

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.011+/-0.000 χ^2/NDF: 6549547.1/58

All: 0.011+/-0.000 χ^2/NDF: 13833433.7/120

- sign 0.011+/-0.000 χ^2/NDF: 7282096.1/61



Right In: -0.716+/-0.000 χ^2/NDF: 2490639492.9/33

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.745+/-0.000 χ^2/NDF: 2347695516.9/38

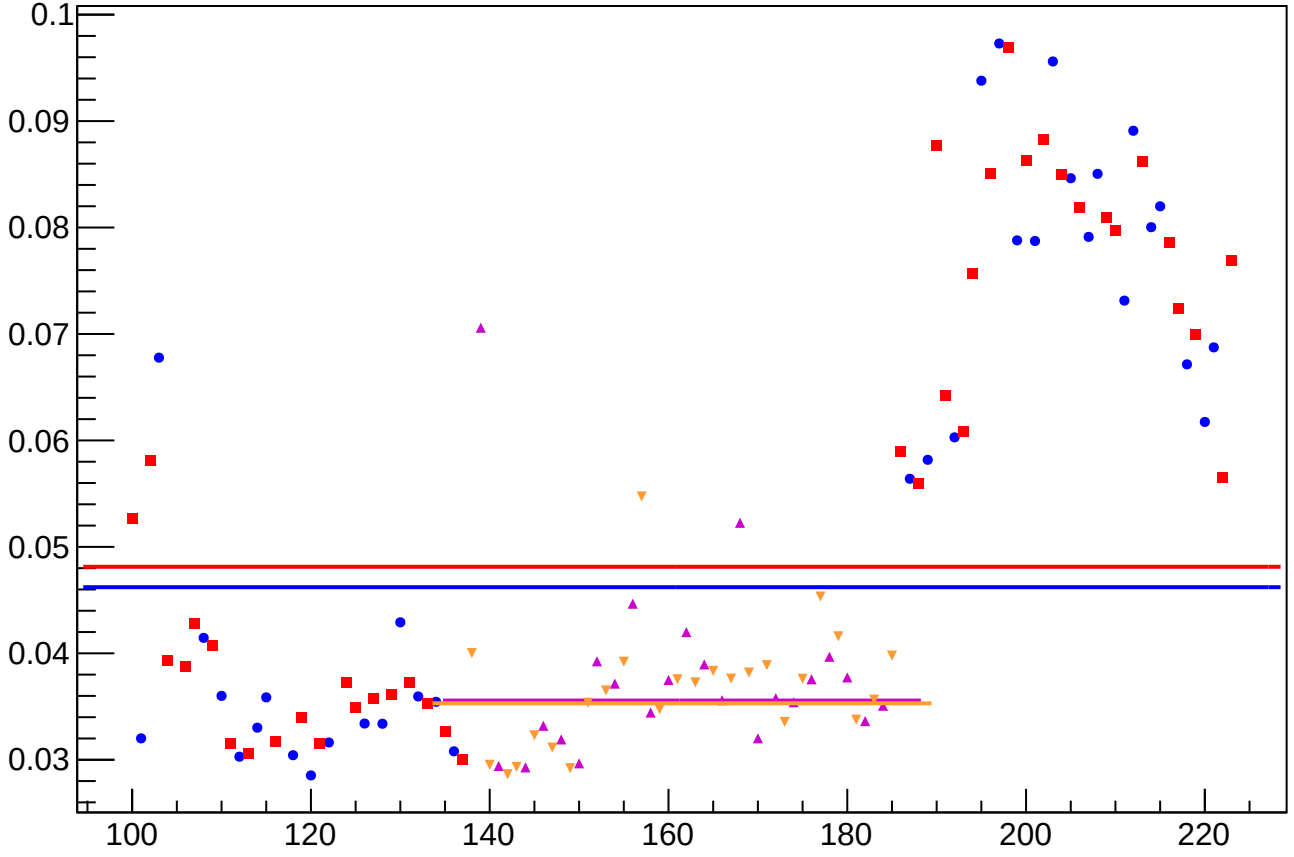
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.201+/-0.000 χ^2/NDF: 9671741463.2/58

All: -0.217+/-0.000 χ^2/NDF: 18602496426.5/

- sign -0.235+/-0.000 χ^2/NDF: 8918755566.2/61

yield_bpm12X_rms vs Slug



Right In: 0.046+/-0.000 χ^2/NDF: 6787521.5/33

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.048+/-0.000 χ^2/NDF: 6048381.5/38

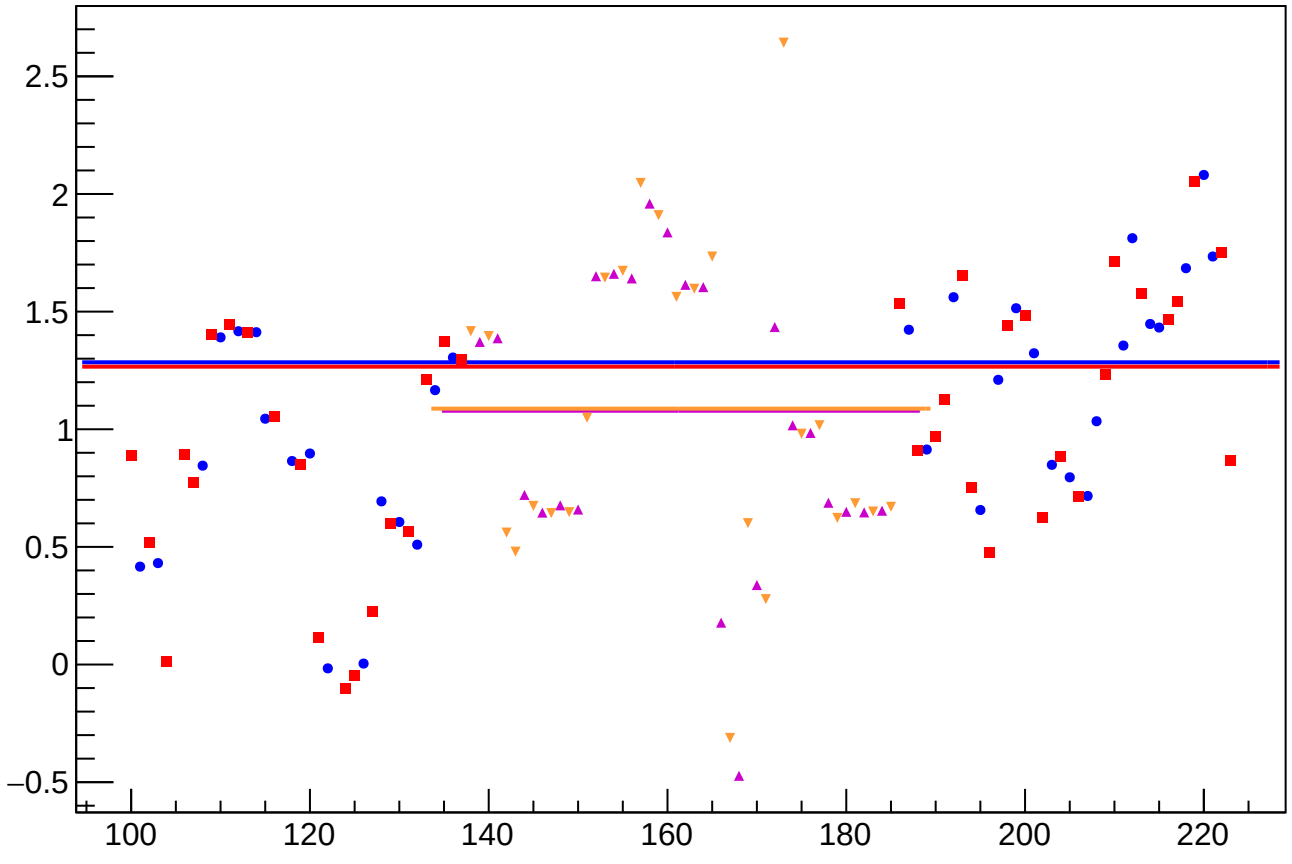
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.039+/-0.000 χ^2/NDF: 8597102.5/58

All: 0.040+/-0.000 χ^2/NDF: 17158576.7/120

- sign 0.040+/-0.000 χ^2/NDF: 8541033.8/61

yield_bpm12Y_mean vs Slug



Right In: 1.285+/-0.000 χ^2/NDF: 88929627855.2/33

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.266+/-0.000 χ^2/NDF: 93434647454.7/38

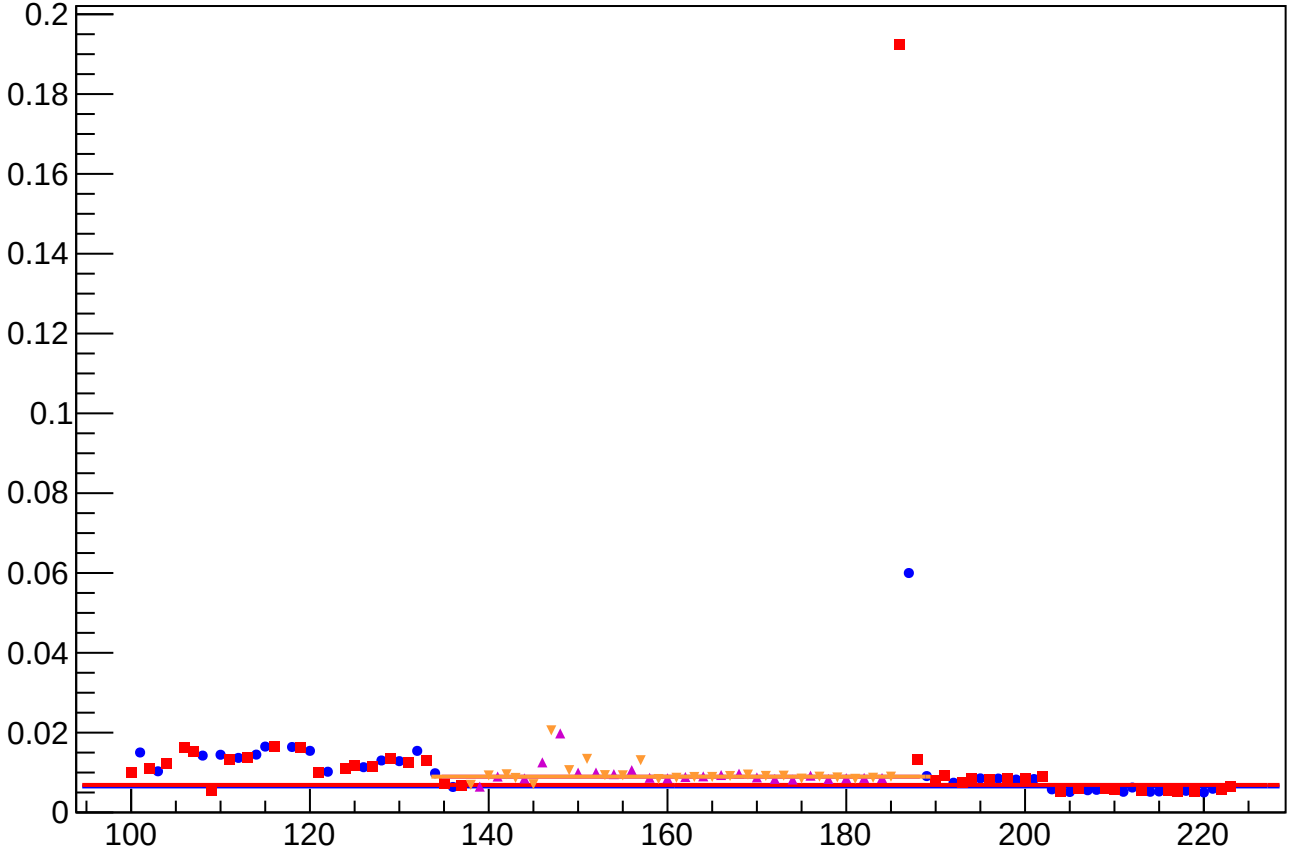
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.217+/-0.000 χ^2/NDF: 188500064370.2/58

All: 1.209+/-0.000 χ^2/NDF: 360938753870.9

- sign 1.200+/-0.000 χ^2/NDF: 172351438924.2/61

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4468618.8/33

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

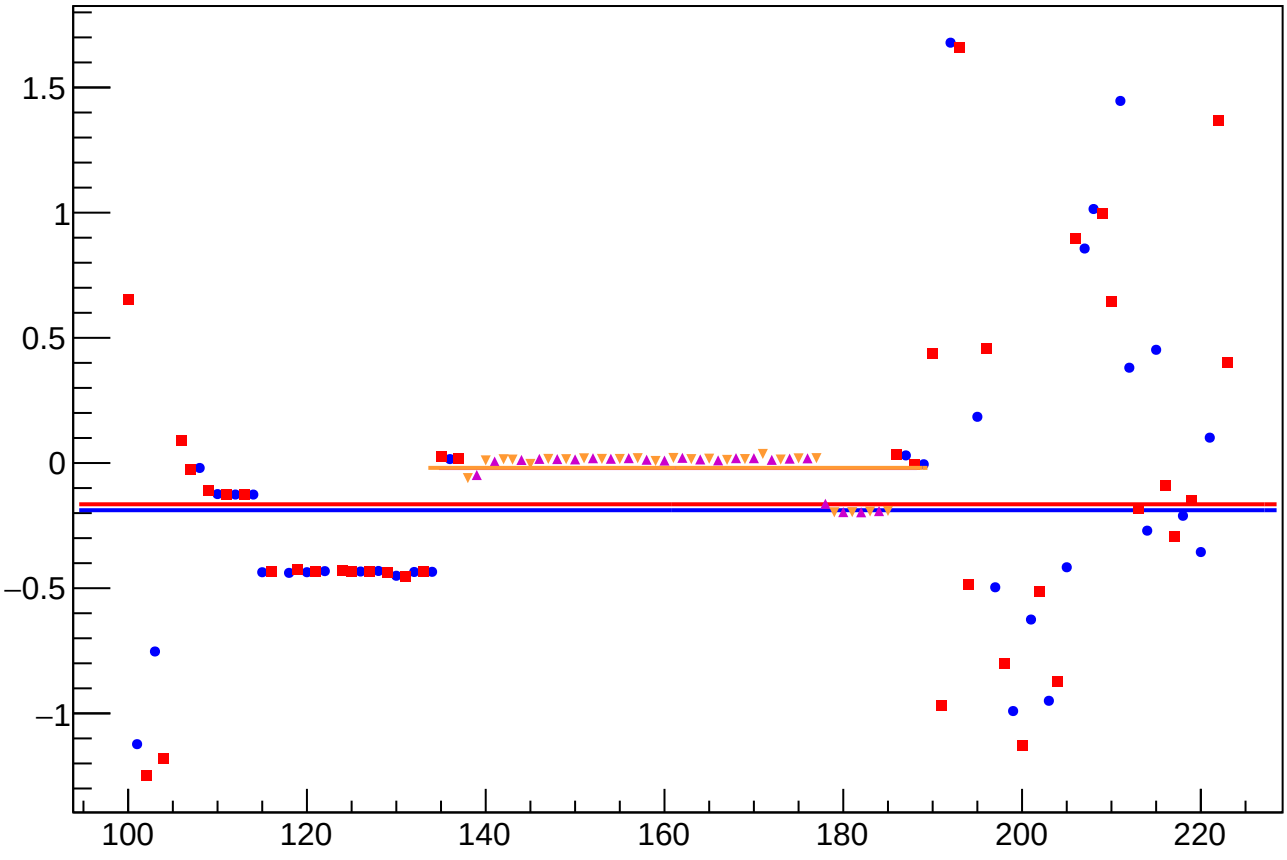
Right Out: 0.007+/-0.000 χ^2/NDF: 4845487.4/38

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 7392444.7/58

All: 0.007+/-0.000 χ^2/NDF: 14401994.7/120

- sign 0.008+/-0.000 χ^2/NDF: 6967998.1/61



Right In: -0.188+/-0.000 χ^2/NDF: 6269177800.5/33

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.165+/-0.000 χ^2/NDF: 5884987054.0/38

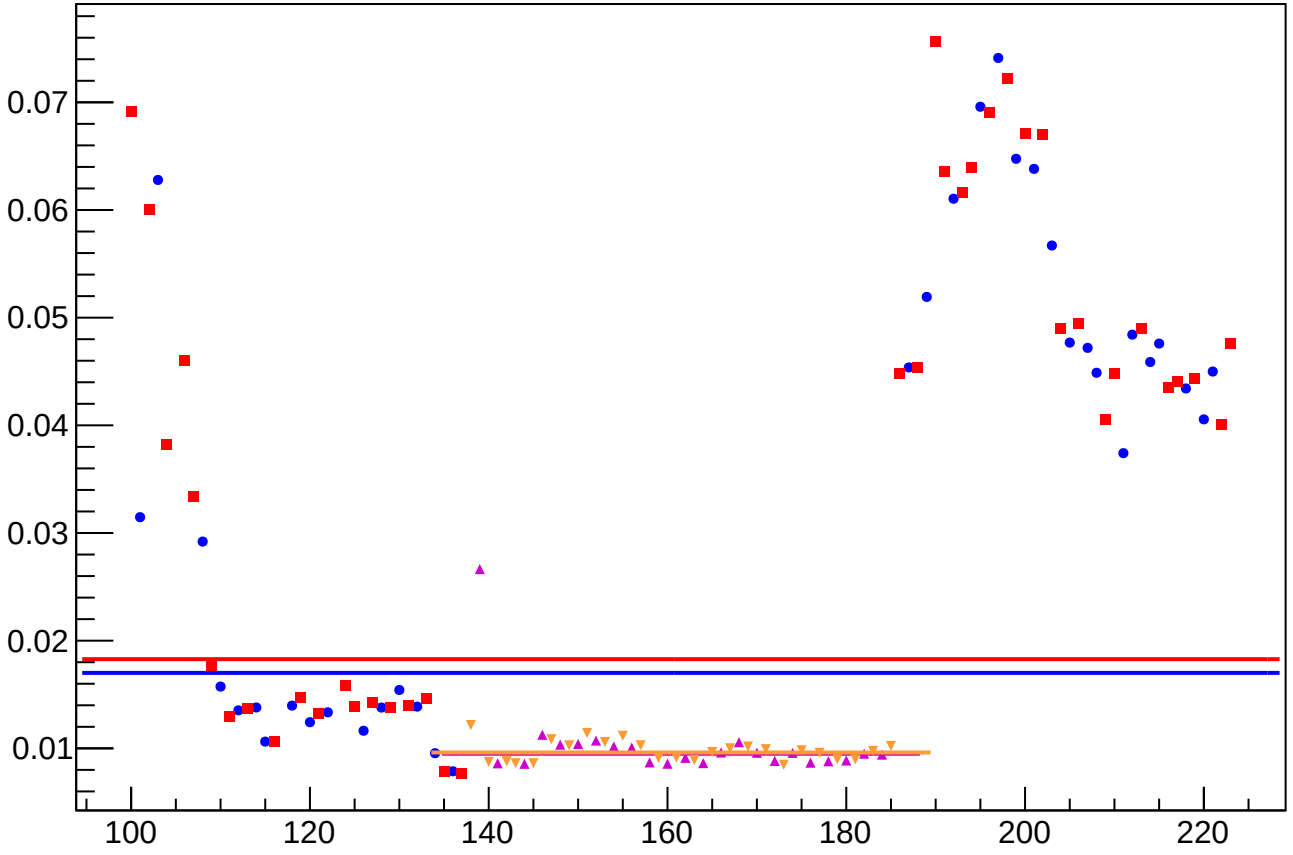
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.051+/-0.000 χ^2/NDF: 8286649656.3/58

All: -0.049+/-0.000 χ^2/NDF: 15802300667.5/

- sign -0.046+/-0.000 χ^2/NDF: 7513162798.4/61

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 16406544.5/33

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

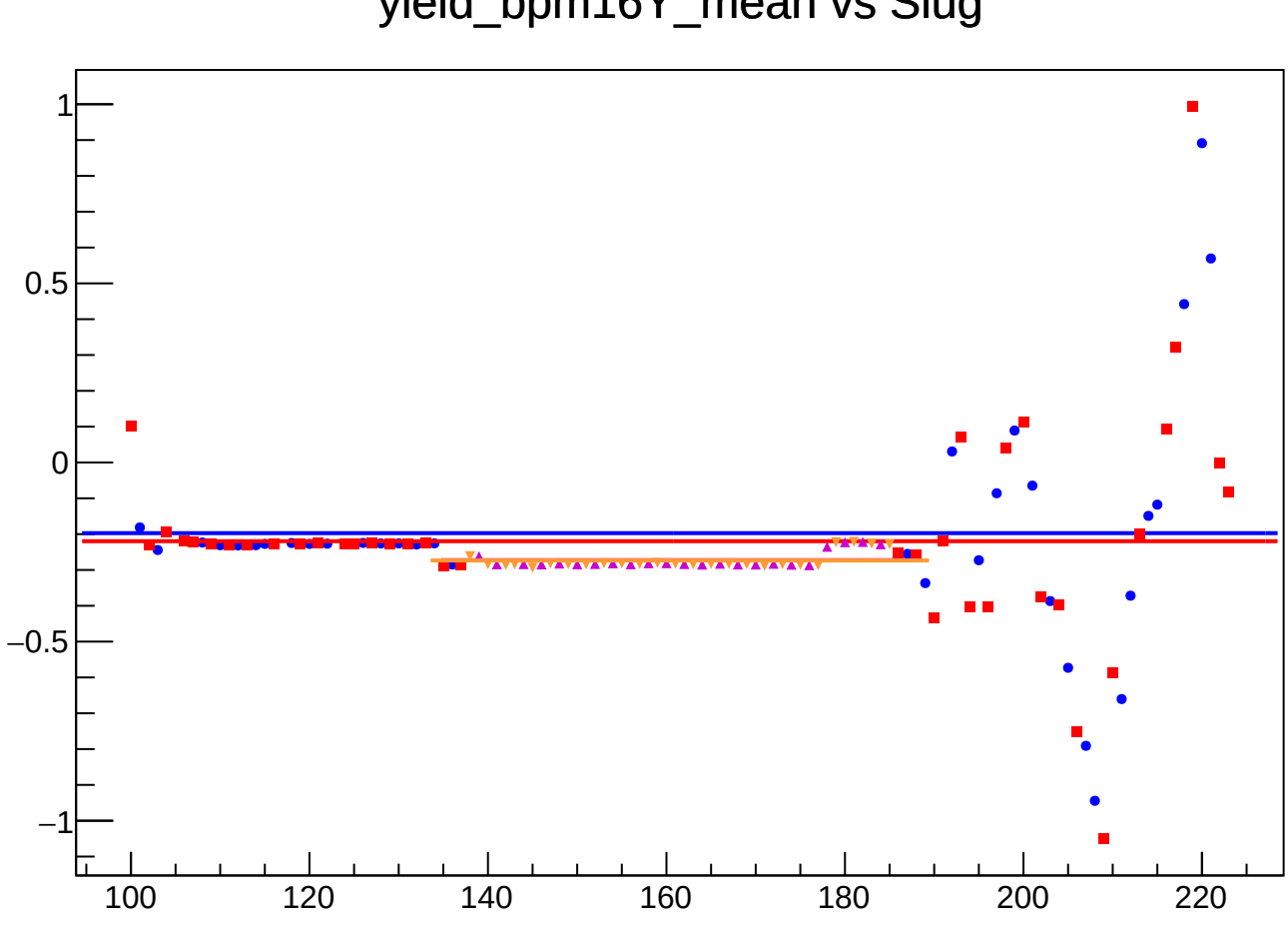
Right Out: 0.018+/-0.000 χ^2/NDF: 16673881.1/38

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 20341348.5/58

All: 0.011+/-0.000 χ^2/NDF: 42660510.4/120

- sign 0.011+/-0.000 χ^2/NDF: 22317620.7/61



Right In: -0.197+/-0.000 χ^2/NDF: 63554022851.5/33

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.220+/-0.000 χ^2/NDF: 54886346903.1/38

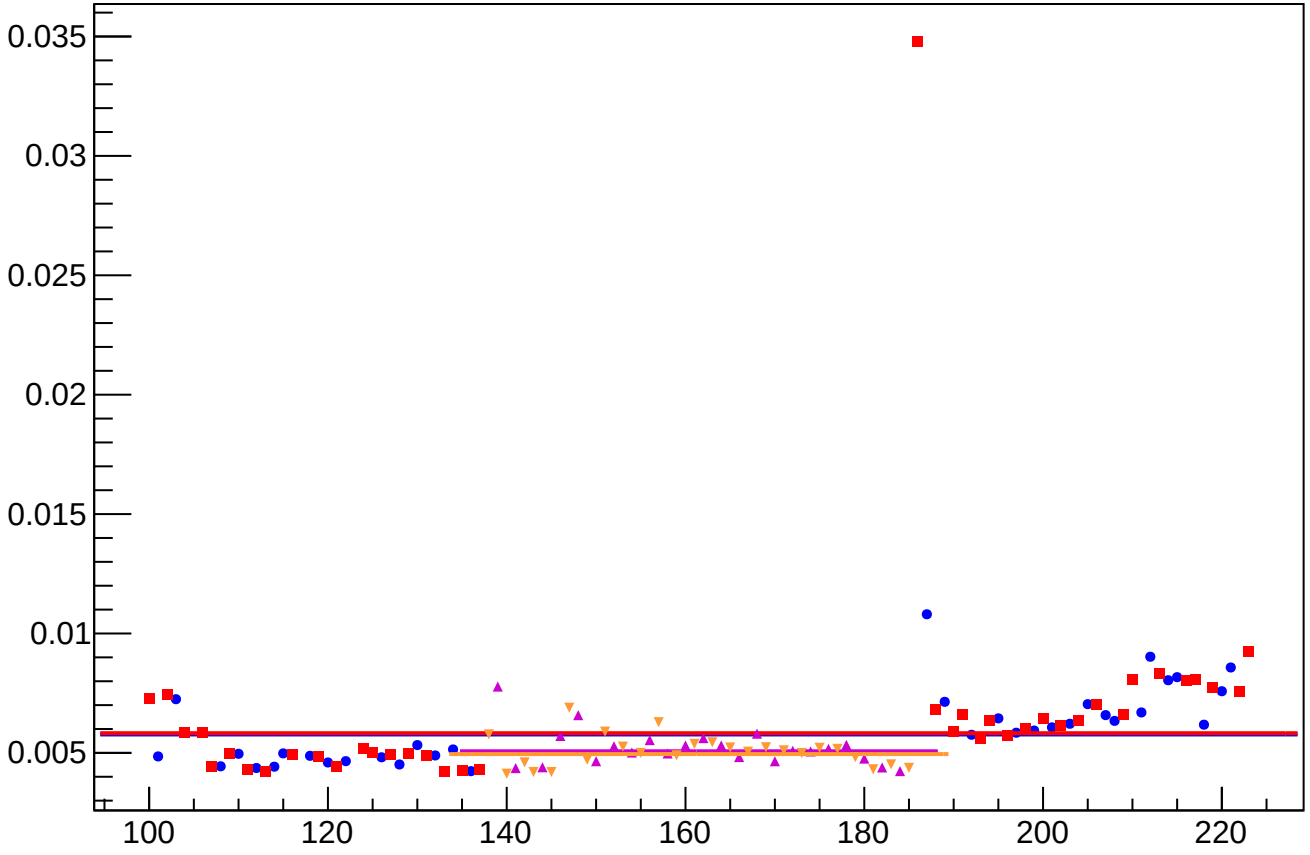
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.240+/-0.000 χ^2/NDF: 65857504683.9/58

All: -0.244+/-0.000 χ^2/NDF: 122004747522.1

- sign -0.248+/-0.000 χ^2/NDF: 56106052281.5/61

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1835849.0/33

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

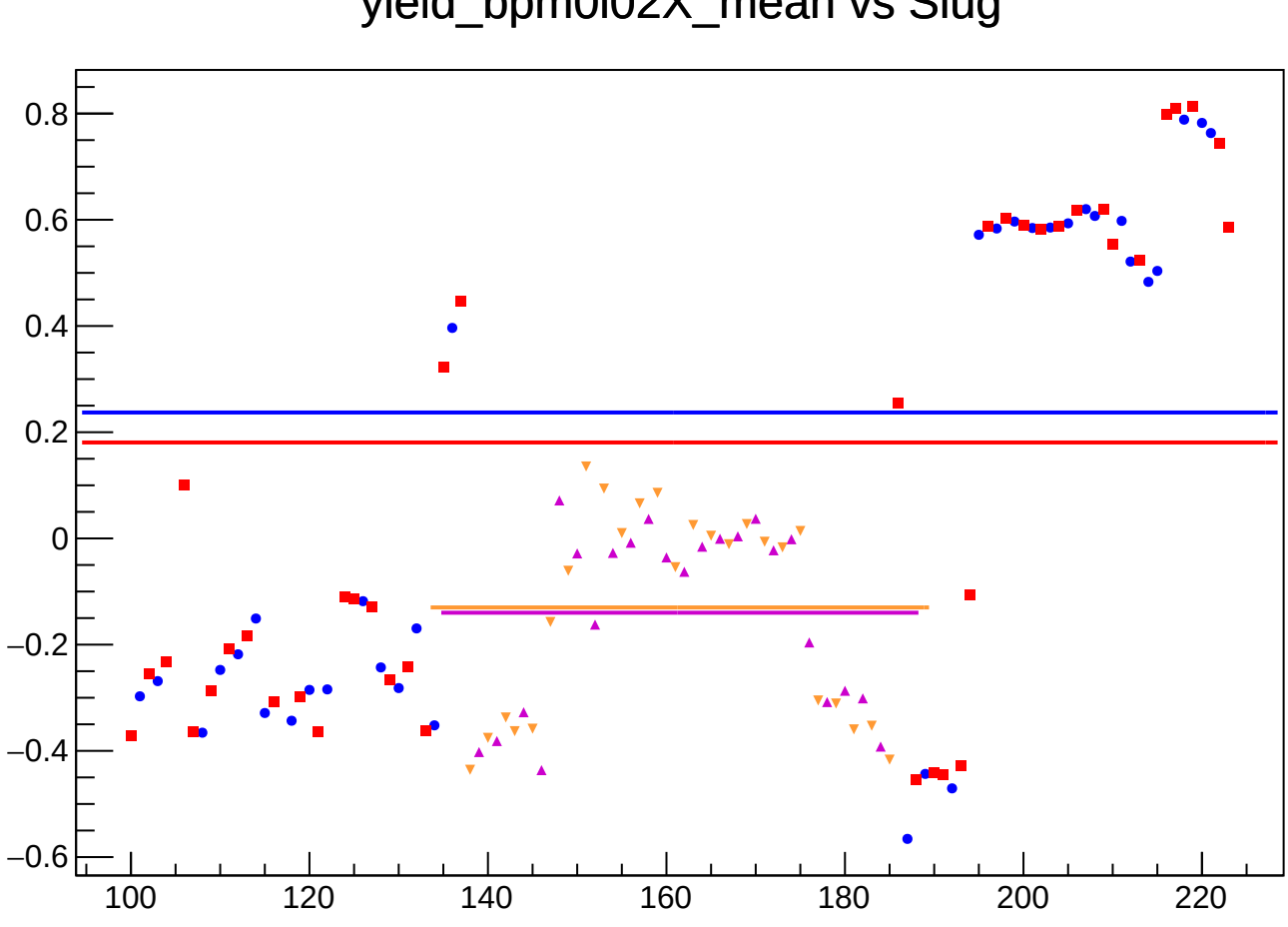
Right Out: 0.006+/-0.000 χ^2/NDF: 2441927.5/38

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

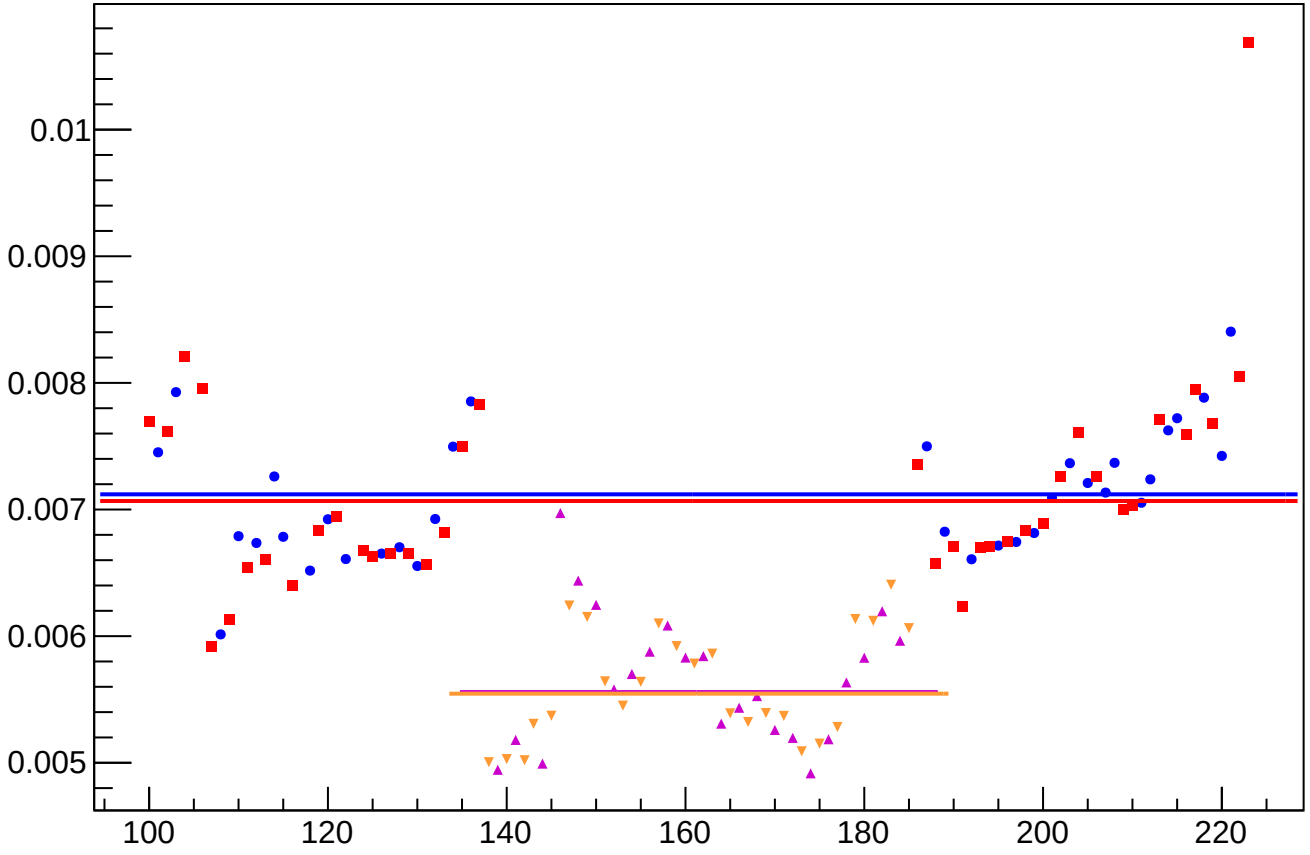
+ sign 0.005+/-0.000 χ^2/NDF: 2807071.7/58

All: 0.005+/-0.000 χ^2/NDF: 6167359.4/120

- sign 0.005+/-0.000 χ^2/NDF: 3344579.4/61


yield_bpm0i02X_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: 0.237+/-0.000 χ²/NDF: 88652561949.0/33
Left Out: -0.130+/-0.000 χ²/NDF:21496239338.5/24
Right Out: 0.181+/-0.000 χ²/NDF: 95970674259.1/38
Left In: -0.140+/-0.000 χ²/NDF:15148699439.4/22
+ sign 0.023+/-0.000 χ²/NDF: 143633471912.6/58
All: 0.013+/-0.000 χ²/NDF: 280443152650.1
- sign 0.002+/-0.000 χ²/NDF: 136592114766.6/61

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 212962.3/33

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 352862.4/38

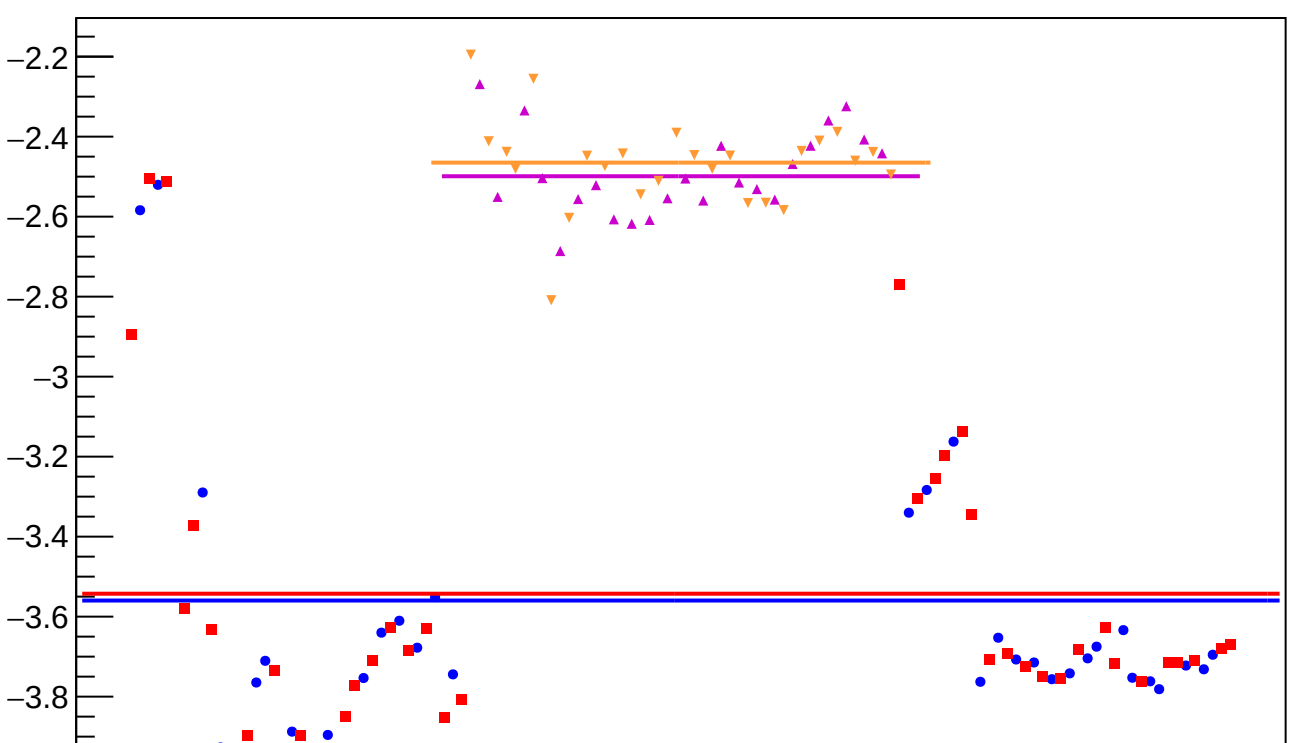
Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1646783.8/58

All: 0.006+/-0.000 χ^2/NDF: 3389953.7/120

- sign 0.006+/-0.000 χ^2/NDF: 1742489.7/61

yield_bpm0i02Y_mean vs Slug



Right In: -3.560+/-0.000 χ^2/NDF: 34084894611.5/33

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.543+/-0.000 χ^2/NDF: 35811808711.7/38

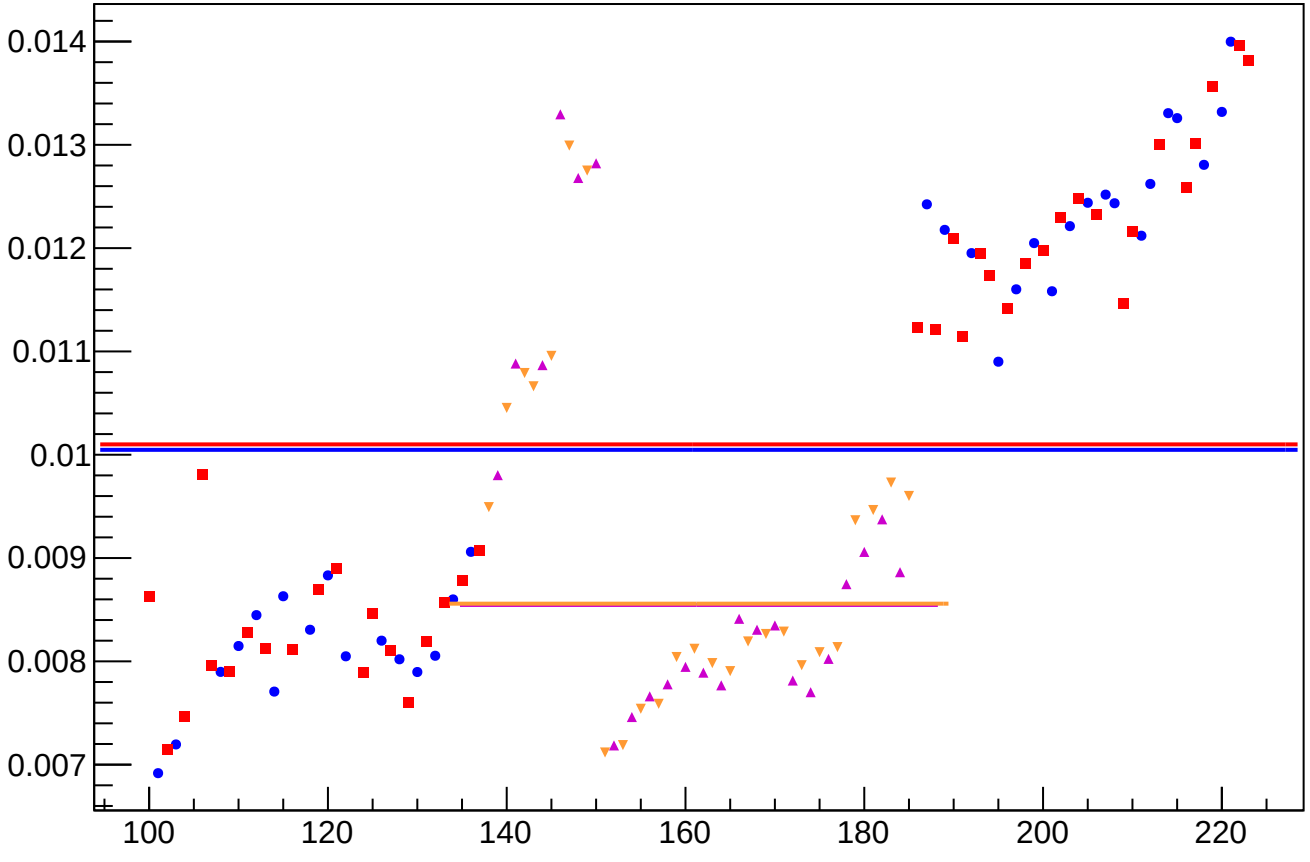
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.960+/-0.000 χ^2/NDF: 170074806604.7/58

All: -2.976+/-0.000 χ^2/NDF: 328822061027.1

- sign -2.992+/-0.000 χ^2/NDF: 158517850833.2/61

yield_bpm0i02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 2116303.1/33

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1949299.5/38

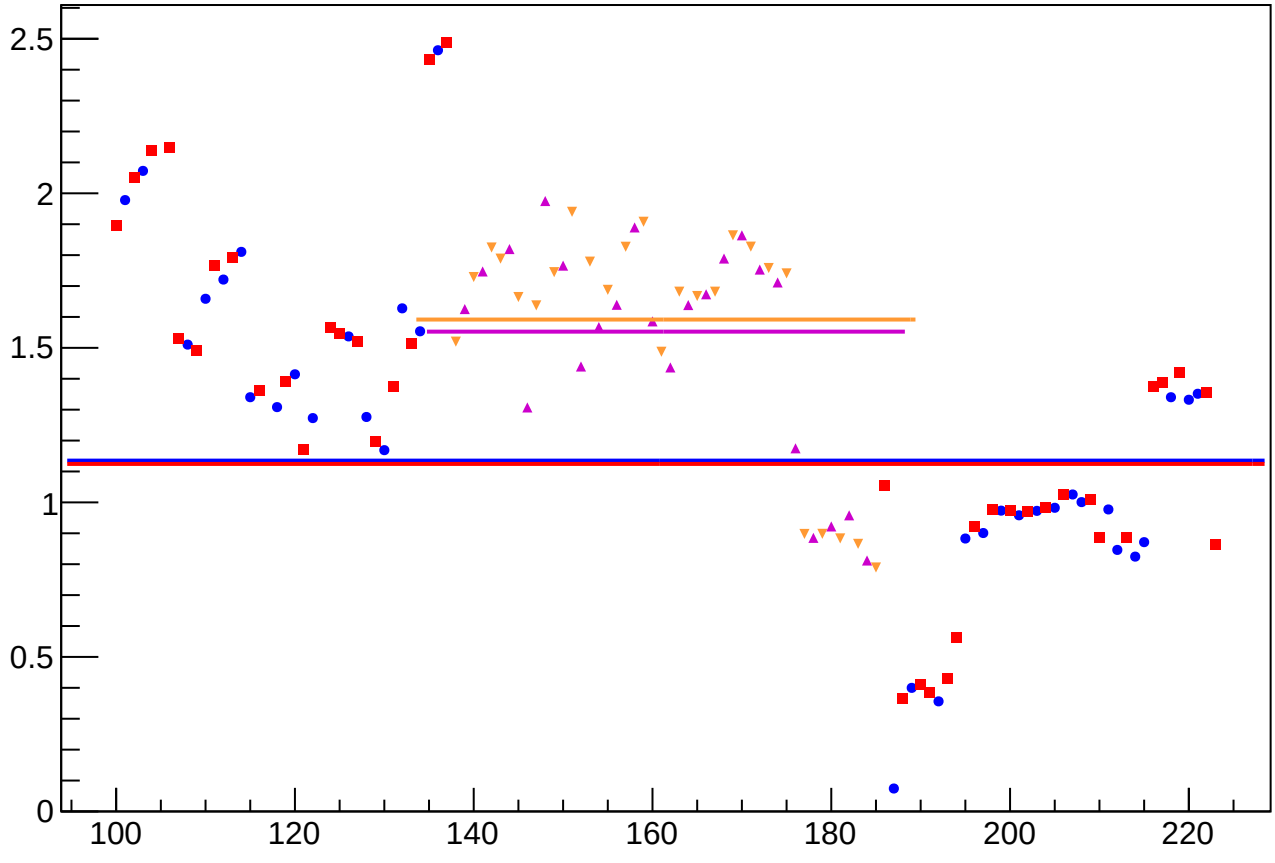
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3435512.0/58

All: 0.009+/-0.000 χ^2/NDF: 6830852.8/120

- sign 0.009+/-0.000 χ^2/NDF: 3394290.4/61

yield_bpm0i02aX_mean vs Slug



Right In: 1.135+/-0.000 χ^2/NDF: 31301648950.6/33

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.124+/-0.000 χ^2/NDF: 36151414756.5/38

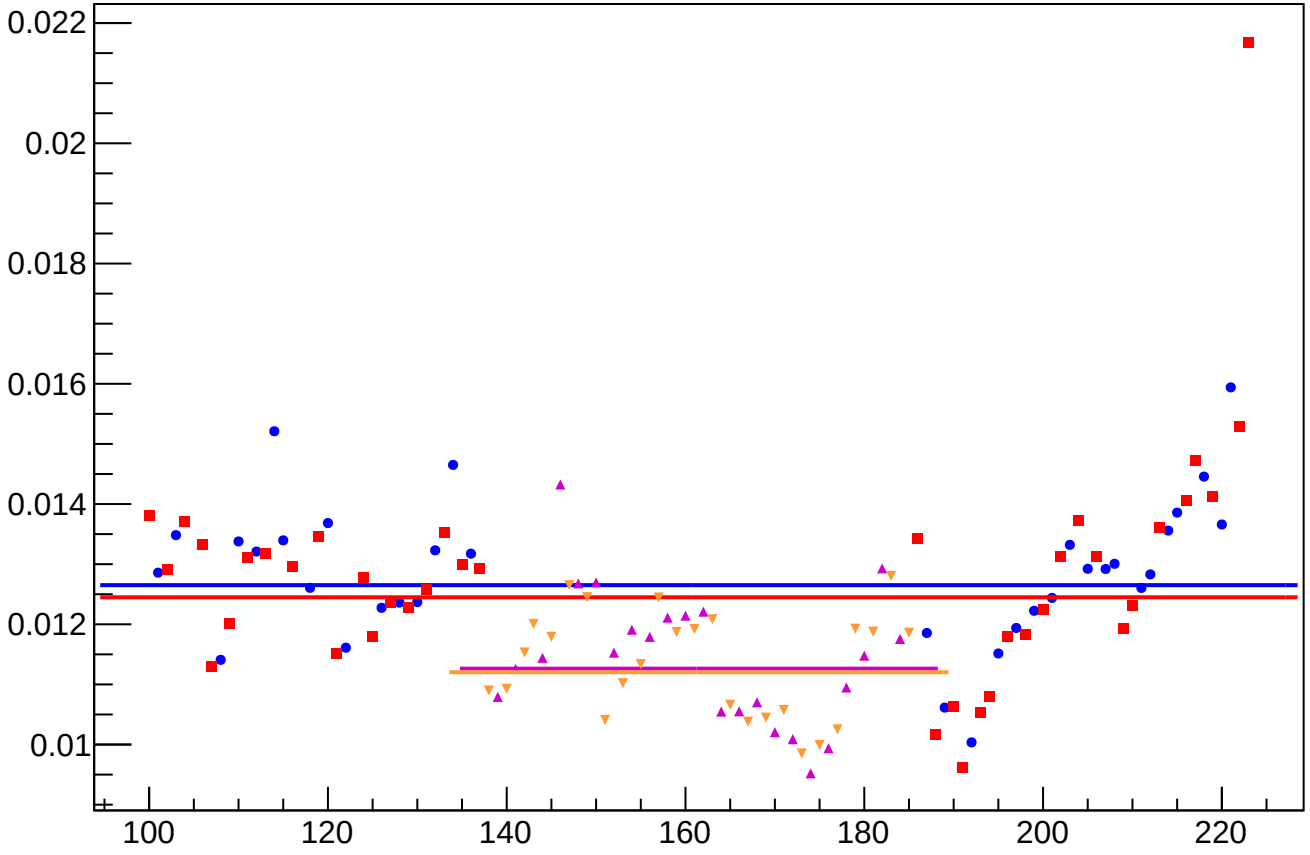
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.374+/-0.000 χ^2/NDF: 62954865388.2/58

All: 1.355+/-0.000 χ^2/NDF: 126110918299.3

- sign 1.335+/-0.000 χ^2/NDF: 62935636175.9/61

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 397598.3/33

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

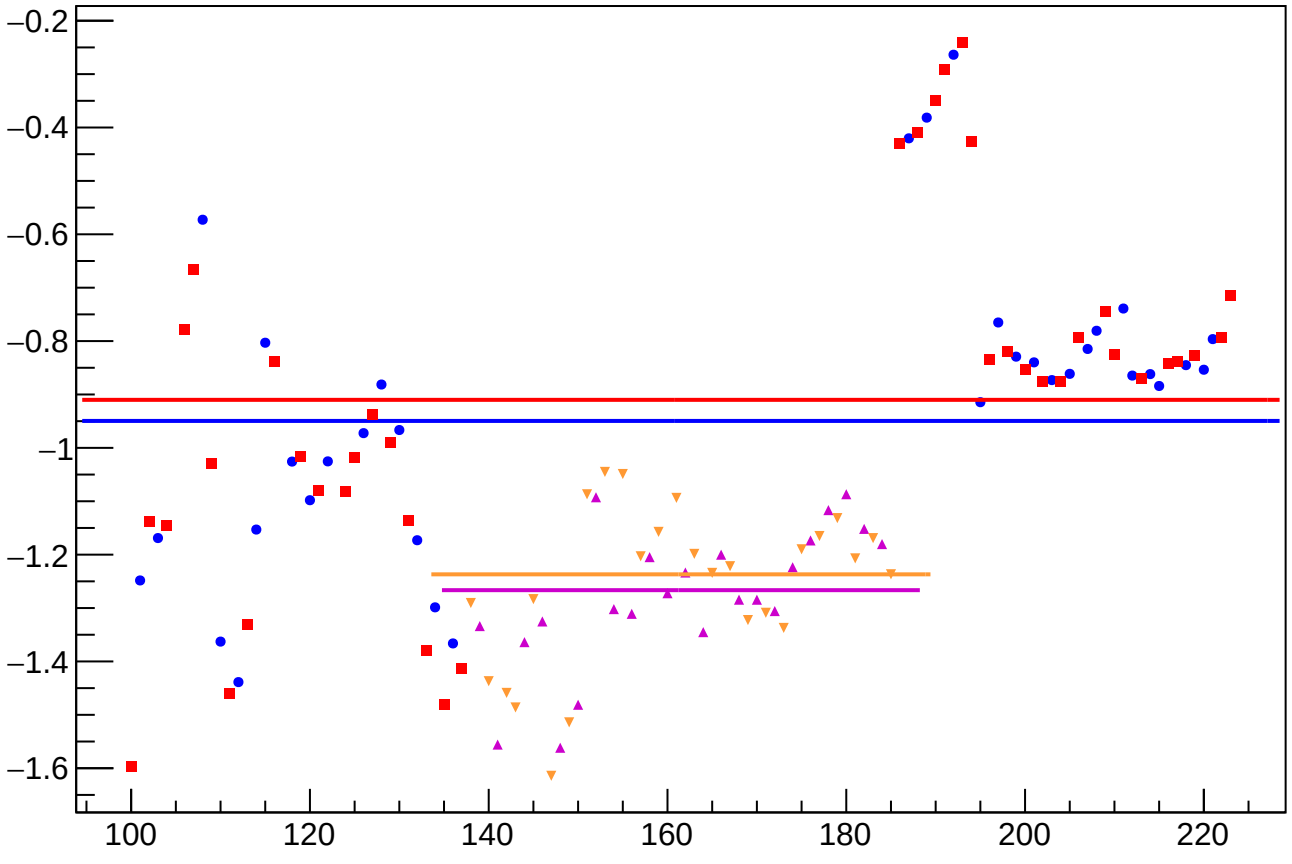
Right Out: 0.012+/-0.000 χ^2/NDF: 657001.4/38

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 914650.6/58

All: 0.012+/-0.000 χ^2/NDF: 2079324.3/120

- sign 0.012+/-0.000 χ^2/NDF: 1164485.7/61



Right In: -0.950+/-0.000 χ^2/NDF: 12721598060.5/33

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.910+/-0.000 χ^2/NDF: 17205230904.7/38

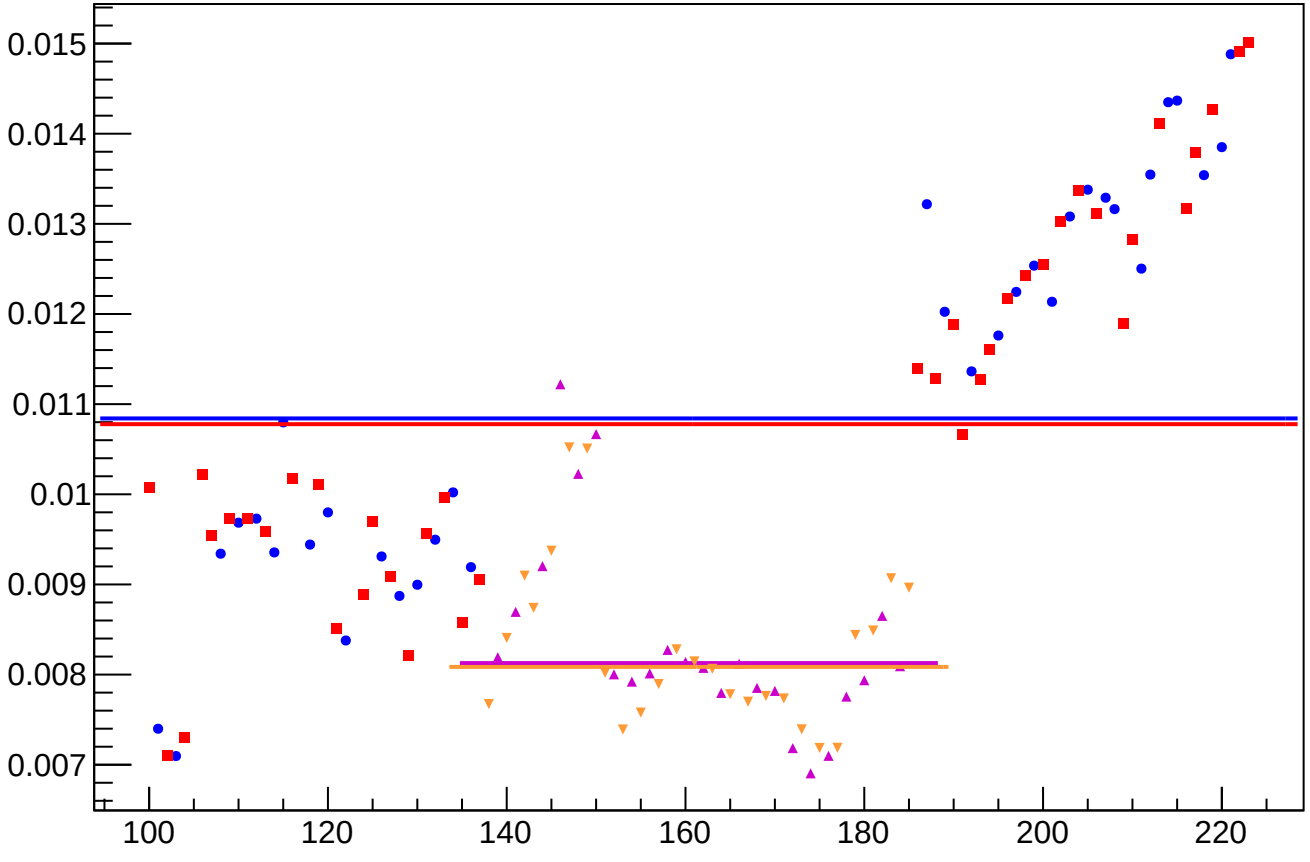
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.126+/-0.000 χ^2/NDF: 26528521235.5/58

All: -1.122+/-0.000 χ^2/NDF: 61056232624.4/

- sign -1.119+/-0.000 χ^2/NDF: 34517584350.7/61

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 1860245.1/33

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

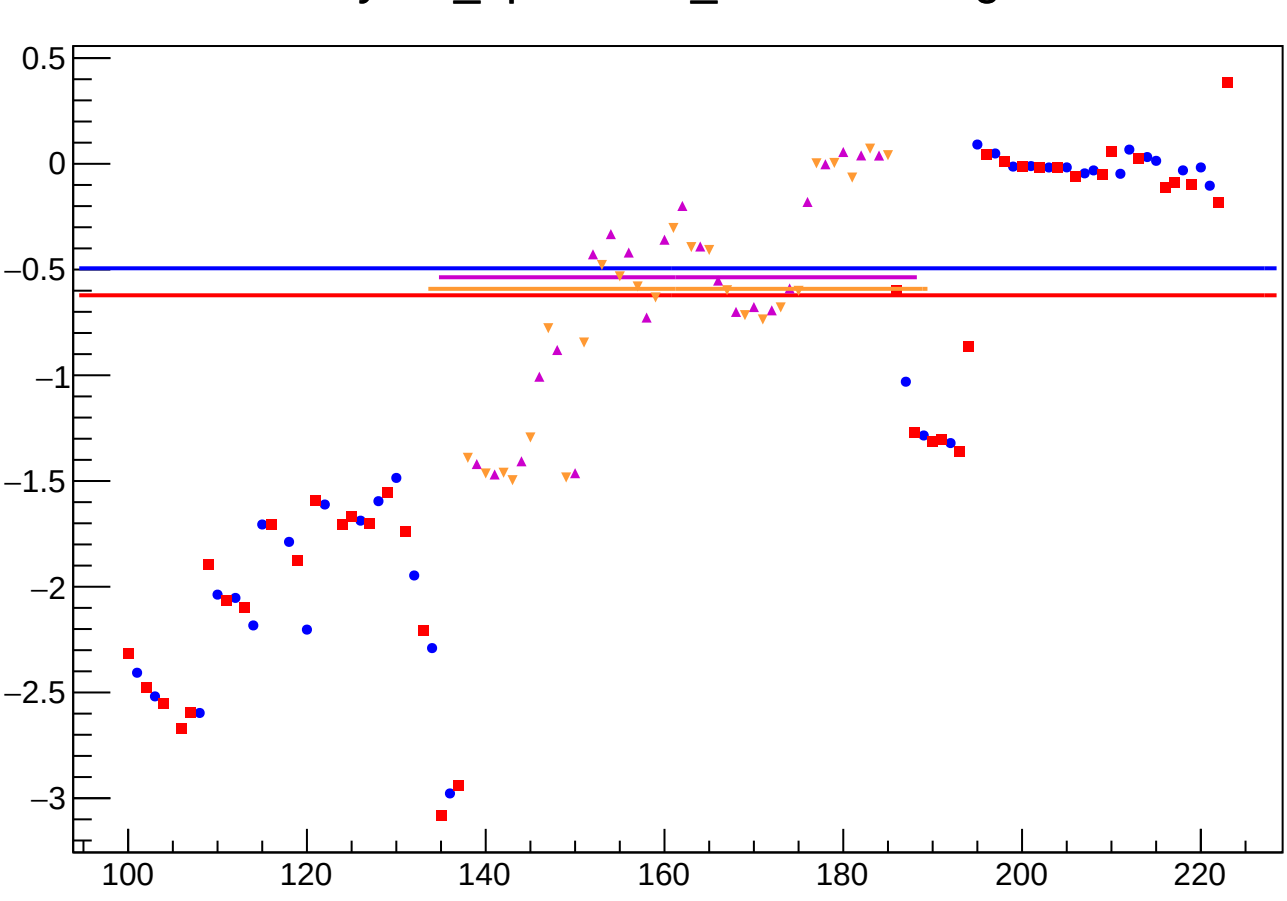
Right Out: 0.011+/-0.000 χ^2/NDF: 1784255.9/38

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 3813021.7/58

All: 0.009+/-0.000 χ^2/NDF: 7516564.5/120

- sign 0.009+/-0.000 χ^2/NDF: 3701173.0/61



Right In: -0.494+/-0.000 χ^2/NDF: 429276237721.1/33

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.622+/-0.000 χ^2/NDF: 452962815153.0/38

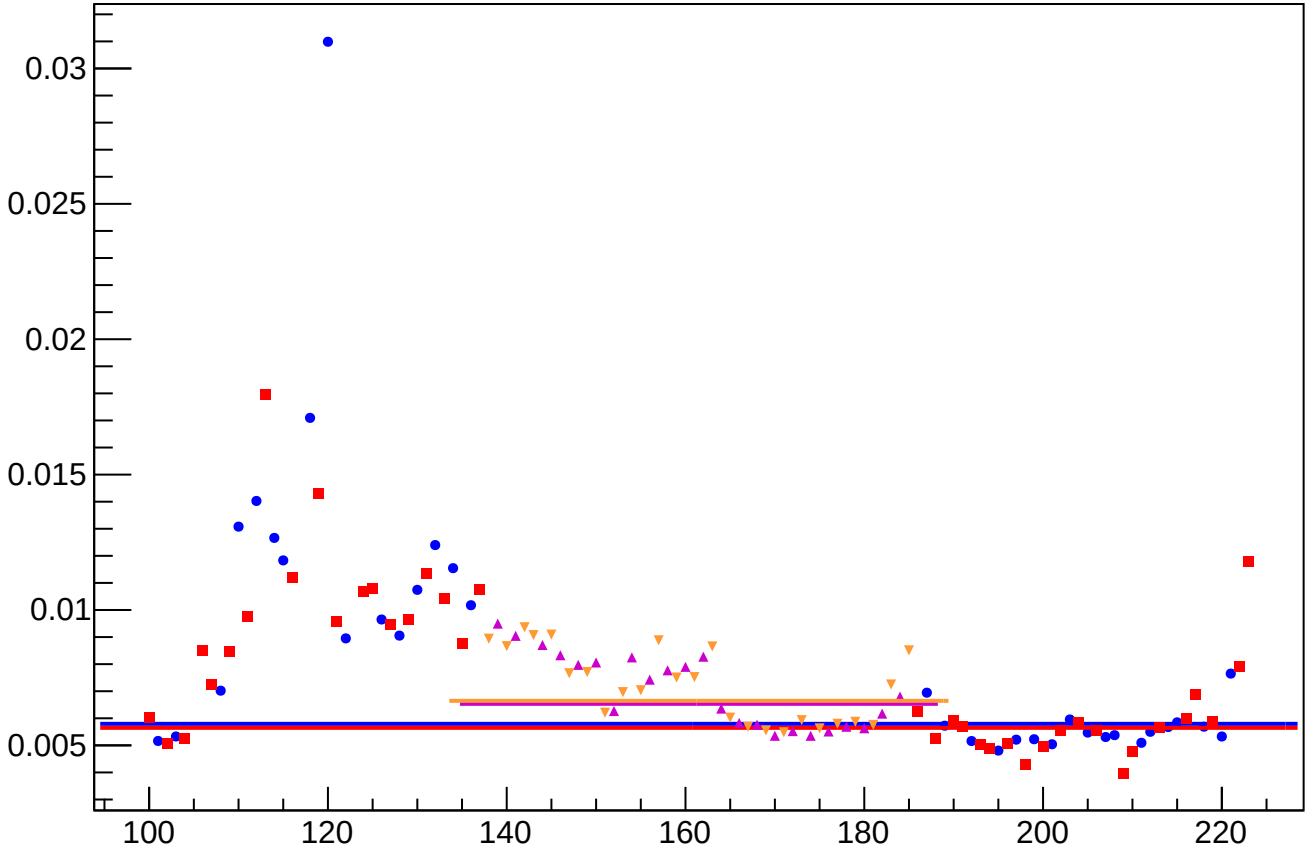
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.534+/-0.000 χ^2/NDF: 504063138888.0/58

All: -0.562+/-0.000 χ^2/NDF: 1030257622951

- sign -0.589+/-0.000 χ^2/NDF: 524786741752.0/61

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2654083.3/33

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

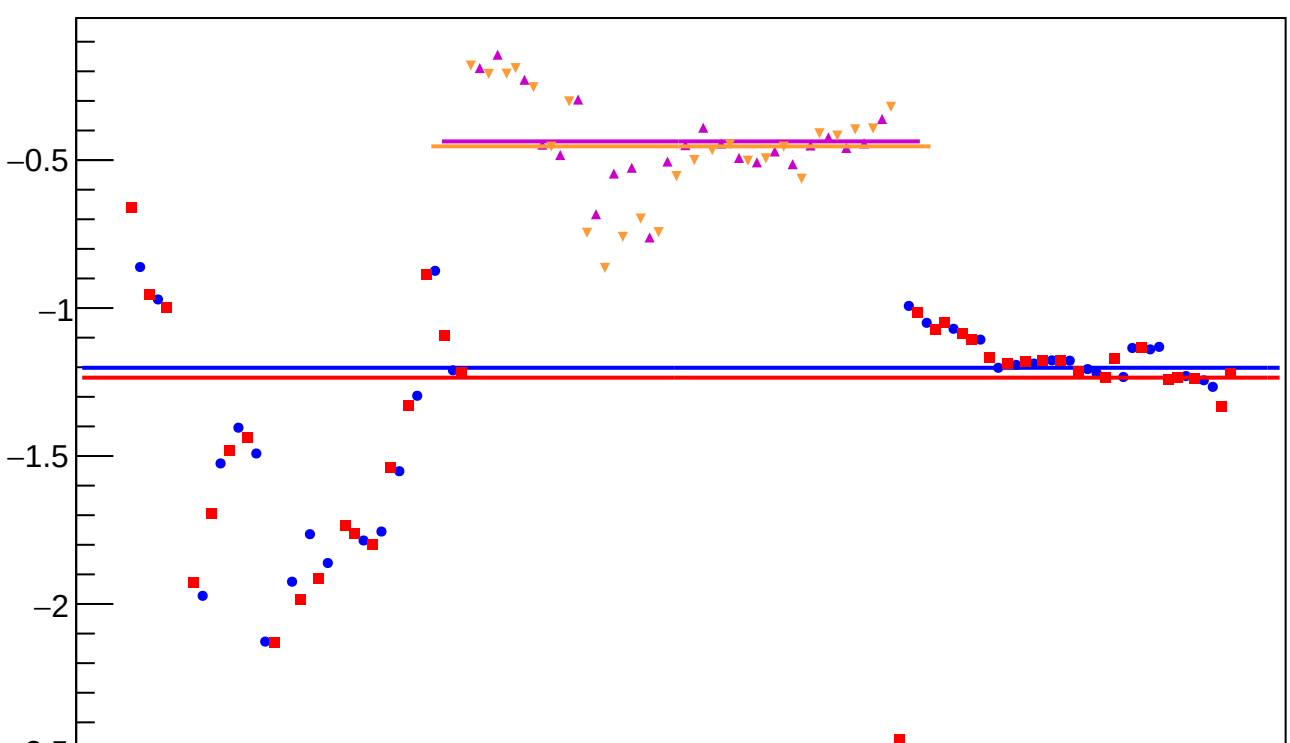
Right Out: 0.006+/-0.000 χ^2/NDF: 3067644.3/38

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 4068400.2/58

All: 0.006+/-0.000 χ^2/NDF: 8667762.7/120

- sign 0.006+/-0.000 χ^2/NDF: 4577096.9/61



Right In: -1.202+/-0.000 χ^2/NDF: 27870790539.7/33

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.235+/-0.000 χ^2/NDF: 72922308810.7/38

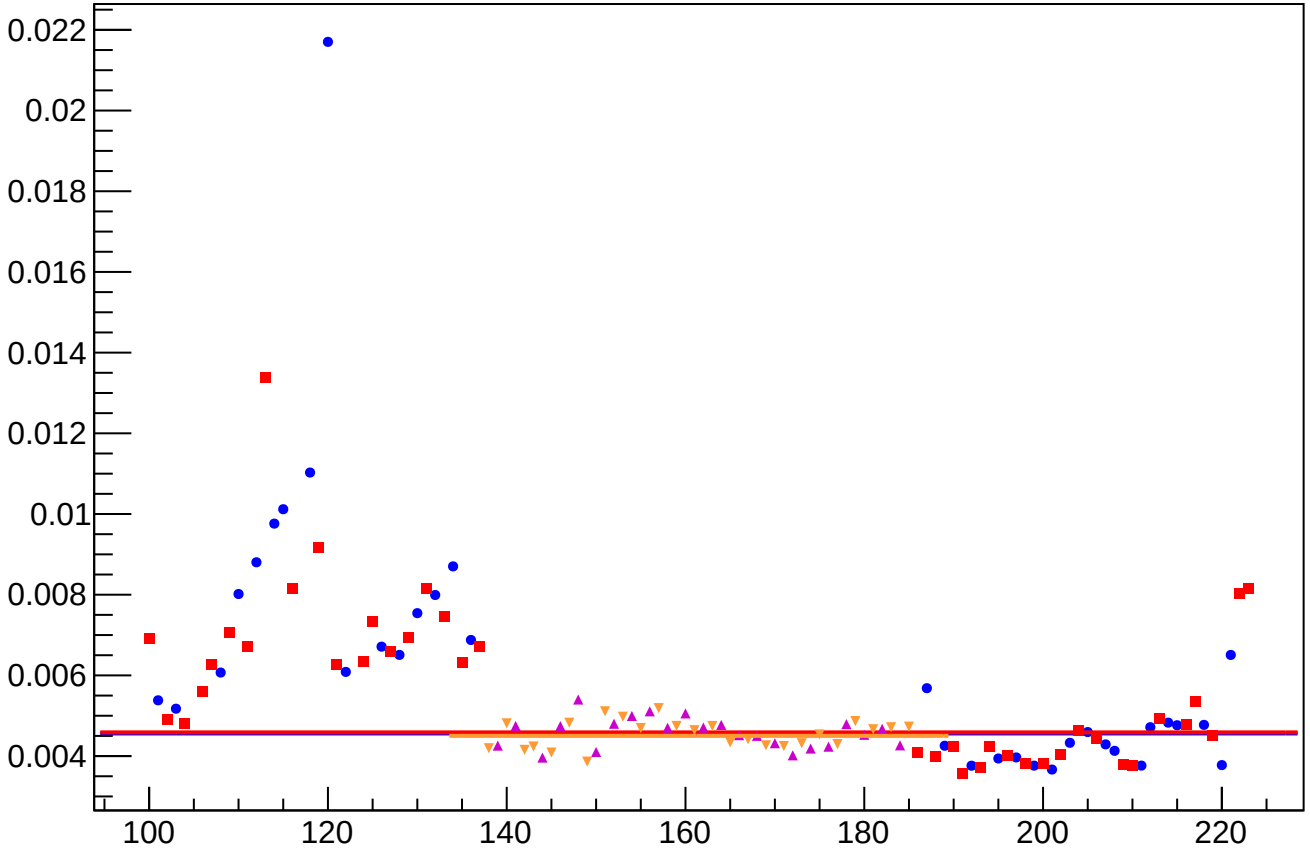
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.829+/-0.000 χ^2/NDF: 301402951335.3/58

All: -0.843+/-0.000 χ^2/NDF: 664719208883.3

- sign -0.857+/-0.000 χ^2/NDF: 362659298973.1/61

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2465016.0/33

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

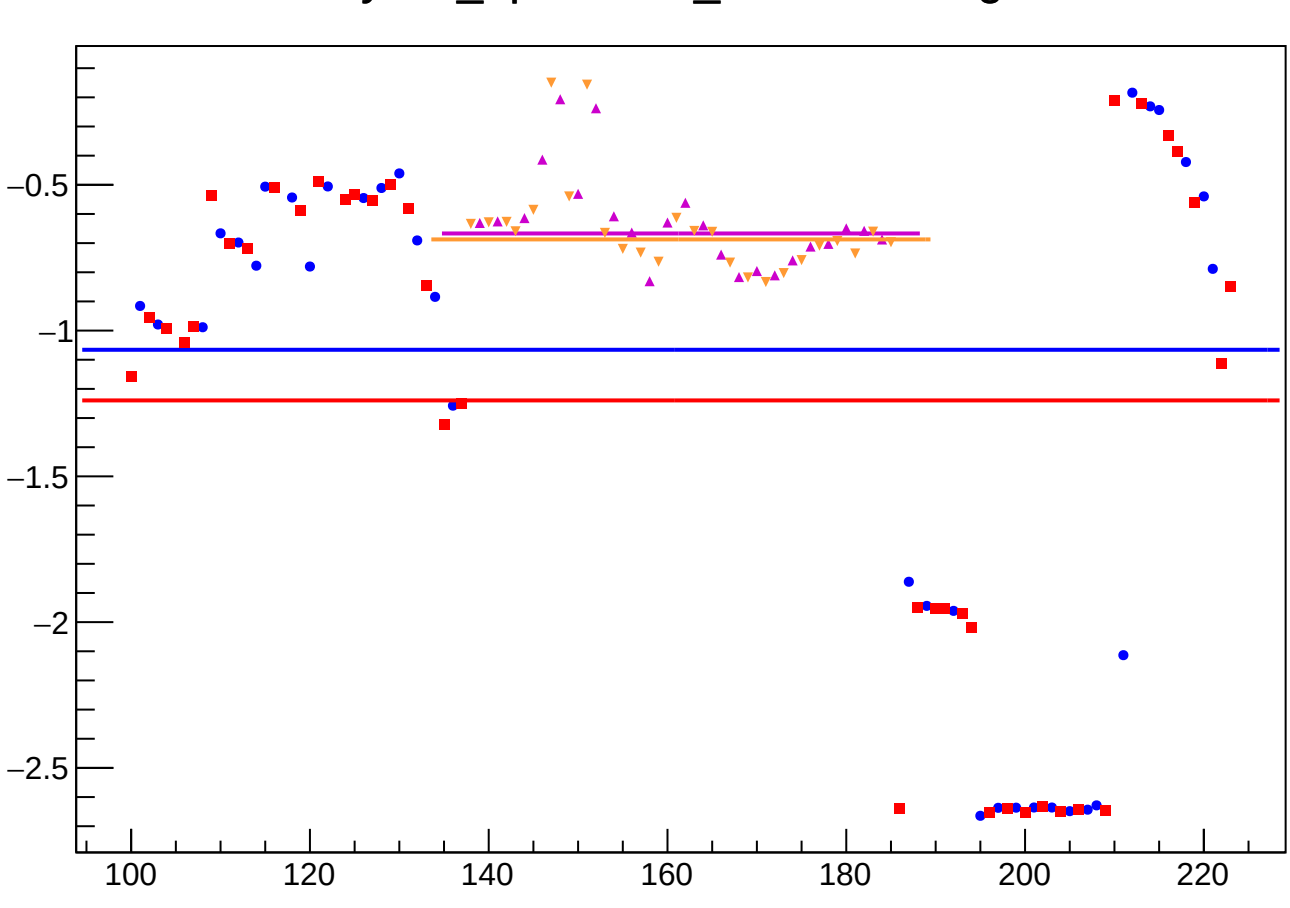
Right Out: 0.005+/-0.000 χ^2/NDF: 2451541.4/38

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2657376.9/58

All: 0.005+/-0.000 χ^2/NDF: 5325902.2/120

- sign 0.005+/-0.000 χ^2/NDF: 2667461.4/61



Right In: -1.066+/-0.000 χ^2/NDF: 647313348737.0/33

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.240+/-0.000 χ^2/NDF: 770136901795.3/38

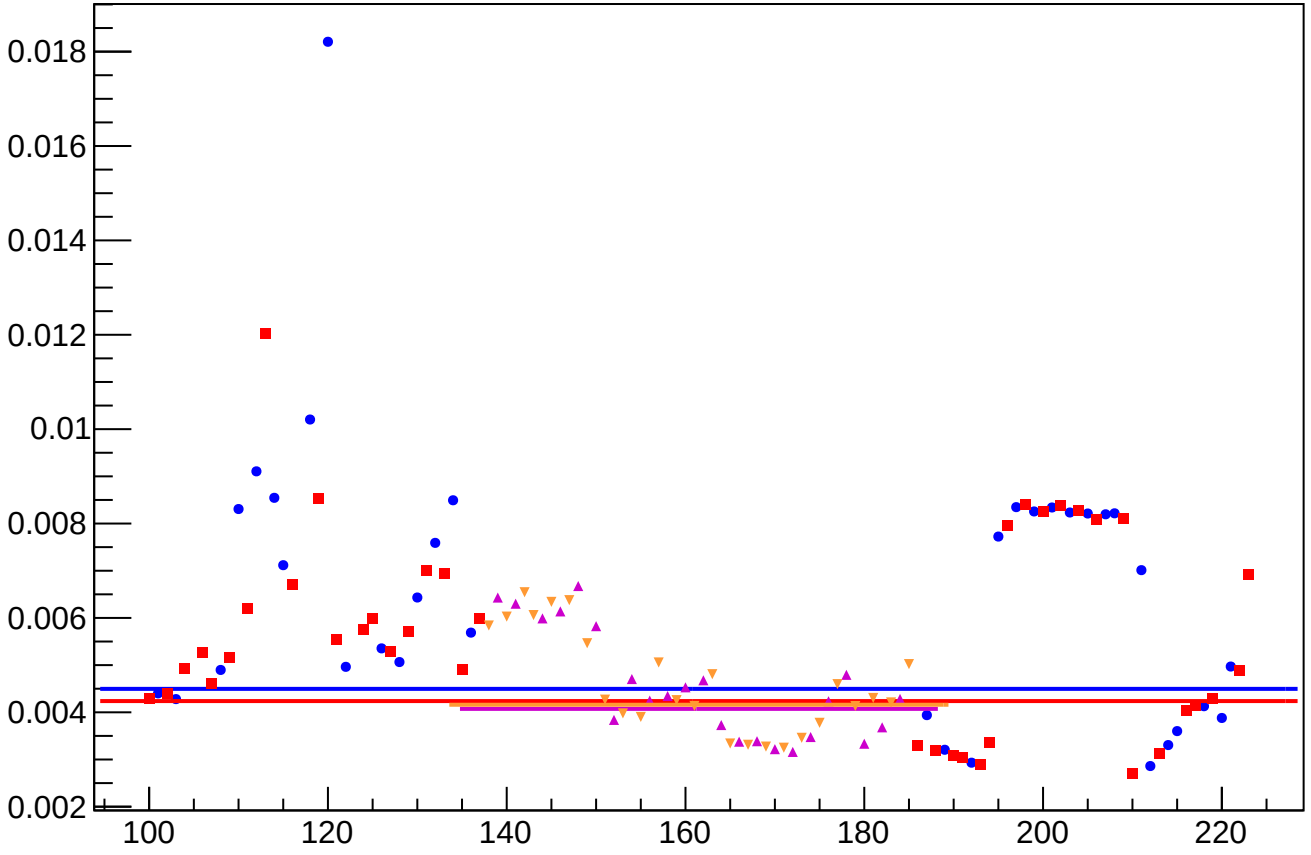
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.867+/-0.000 χ^2/NDF: 735244807460.5/58

All: -0.917+/-0.000 χ^2/NDF: 1698721532491

- sign -0.964+/-0.000 χ^2/NDF: 954490646341.7/61

yield_bpm0i07X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5928365.4/33

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

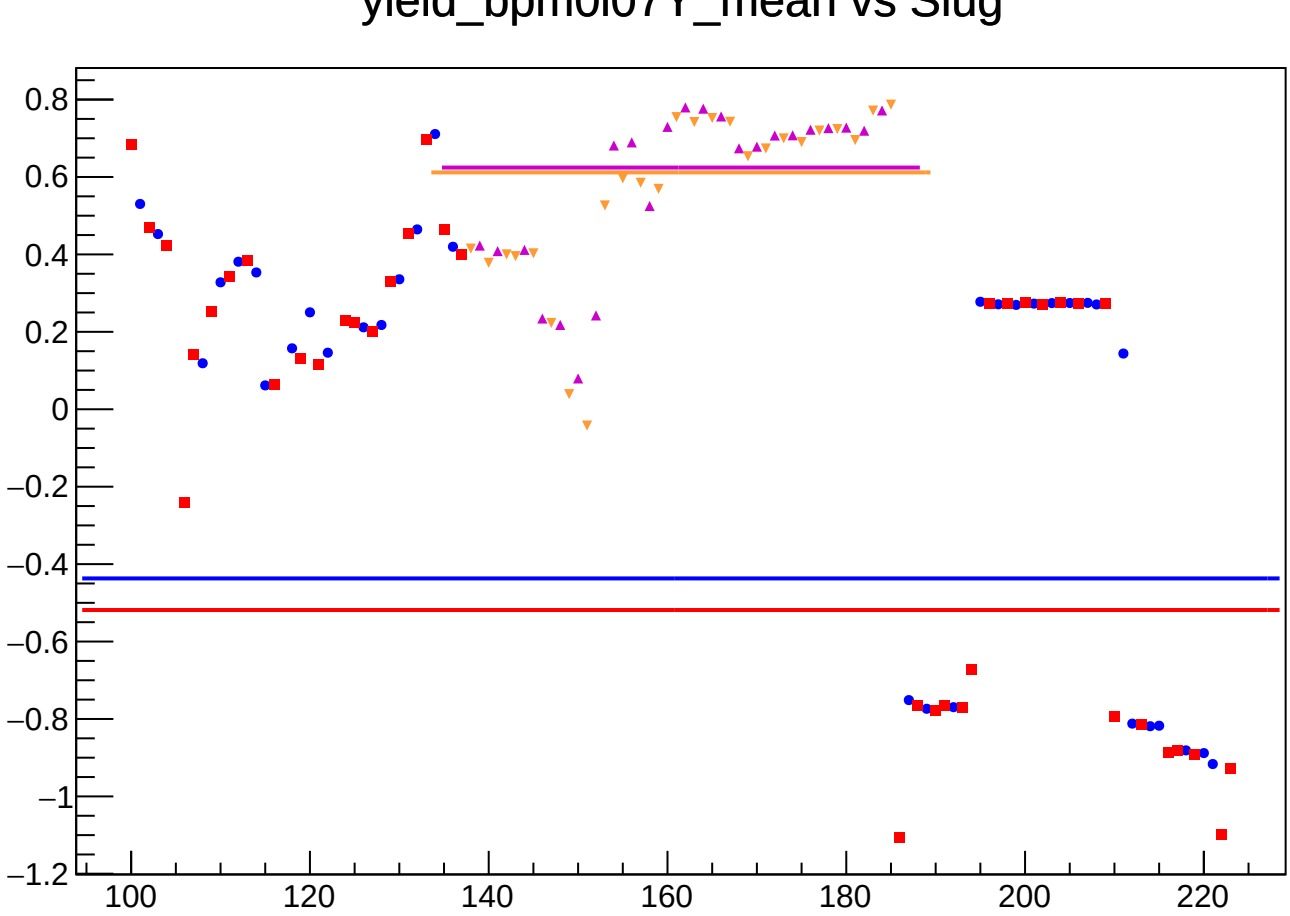
Right Out: 0.004+/-0.000 χ^2/NDF: 5744947.1/38

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 7551783.7/58

All: 0.004+/-0.000 χ^2/NDF: 15123476.4/120

- sign 0.004+/-0.000 χ^2/NDF: 7522204.7/61



Right In: -0.437+/-0.000 χ^2/NDF: 627622792401.1/33

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.519+/-0.000 χ^2/NDF: 678945347999.0/38

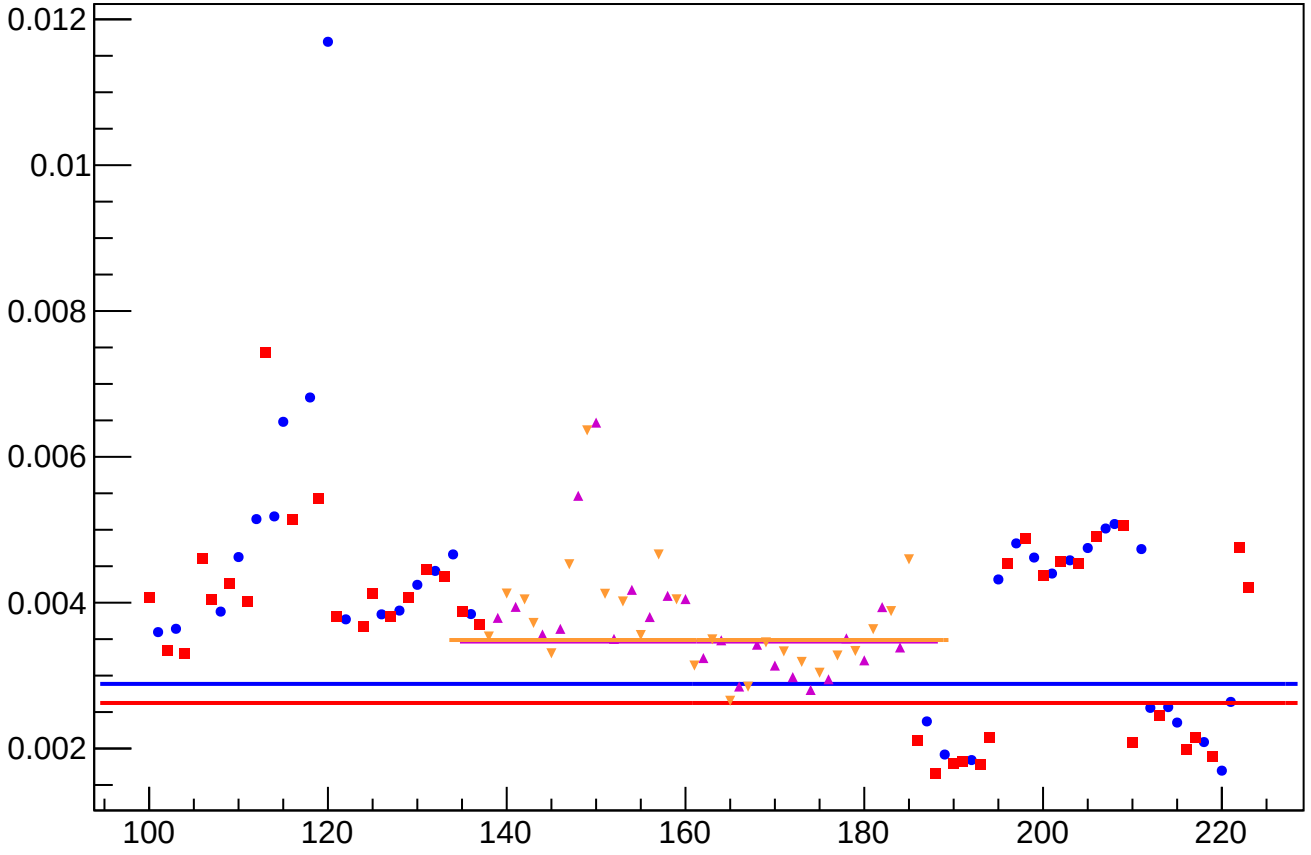
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign -0.028+/-0.000 χ^2/NDF: 1558398109303.9/5

All: -0.087+/-0.000 χ^2/NDF: 3406469640651

- sign -0.140+/-0.000 χ^2/NDF: 1825701385637.8/61

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 5819391.1/33

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

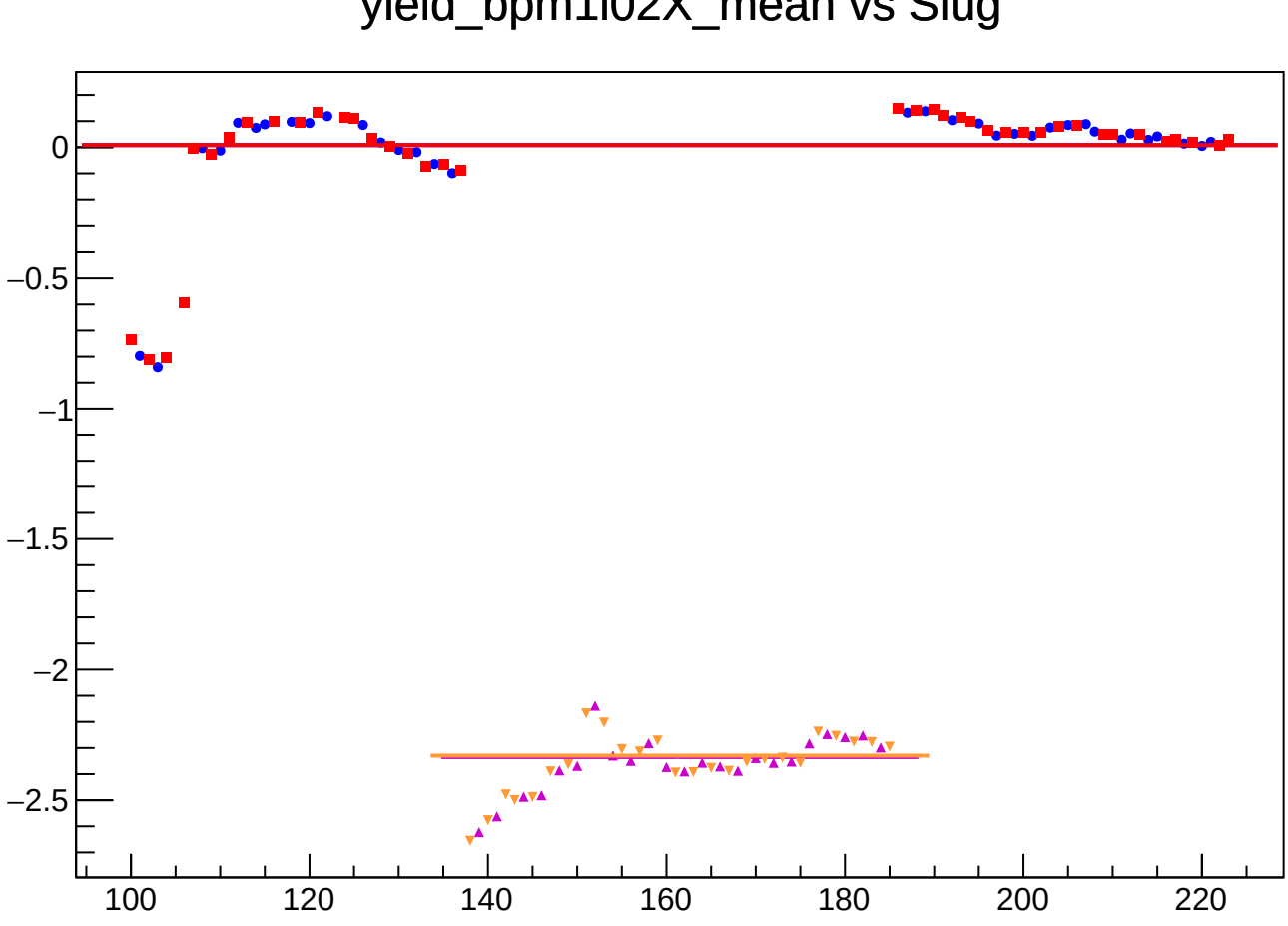
Right Out: 0.003+/-0.000 χ^2/NDF: 6339048.9/38

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 7253127.6/58

All: 0.003+/-0.000 χ^2/NDF: 15857346.4/120

- sign 0.003+/-0.000 χ^2/NDF: 8435074.9/61



Right In: 0.008+/-0.000 χ^2/NDF: 6577803984.8/33

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7843308344.3/38

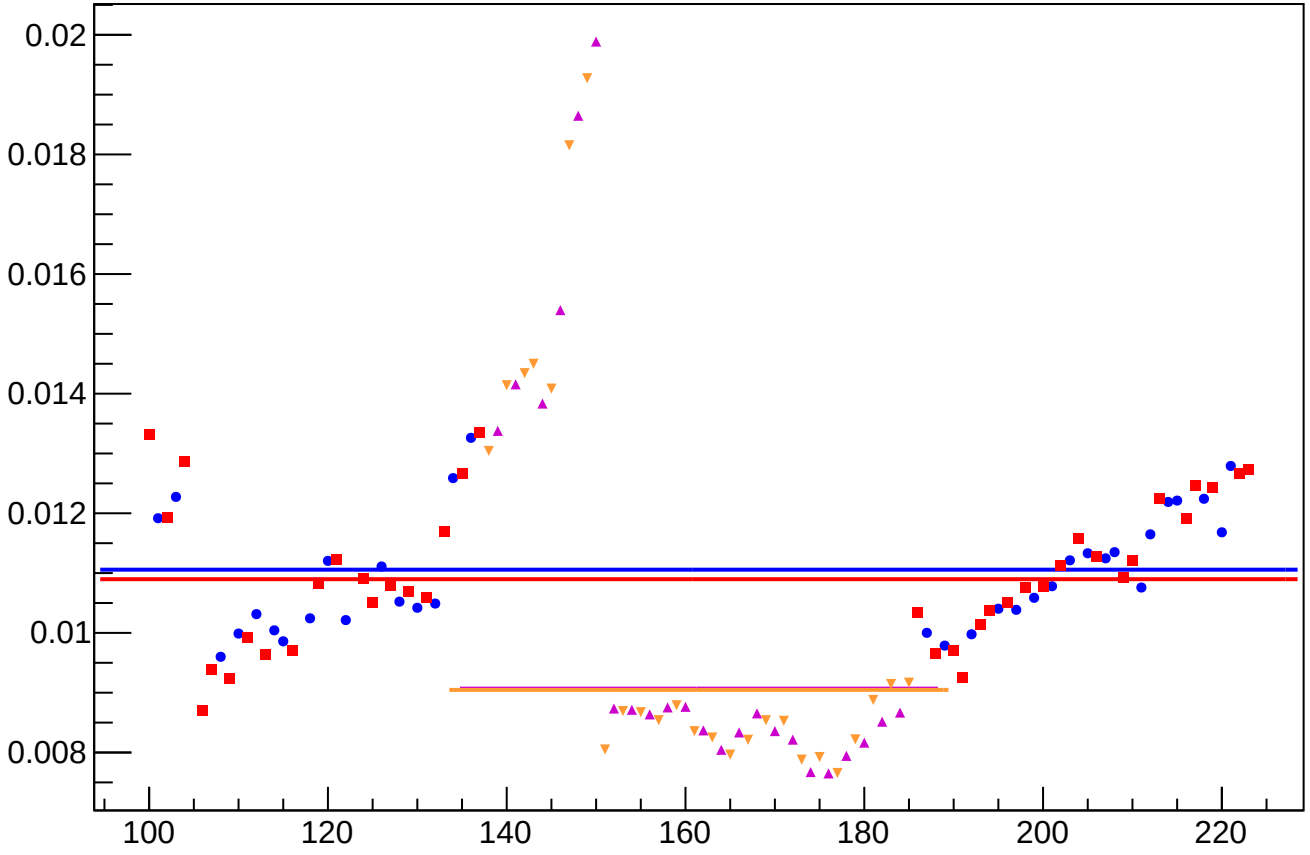
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.290+/-0.000 χ^2/NDF: 548370545765.4/58

All: -1.255+/-0.000 χ^2/NDF: 1104191758644

- sign -1.219+/-0.000 χ^2/NDF: 554822557904.3/61

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 300606.6/33

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

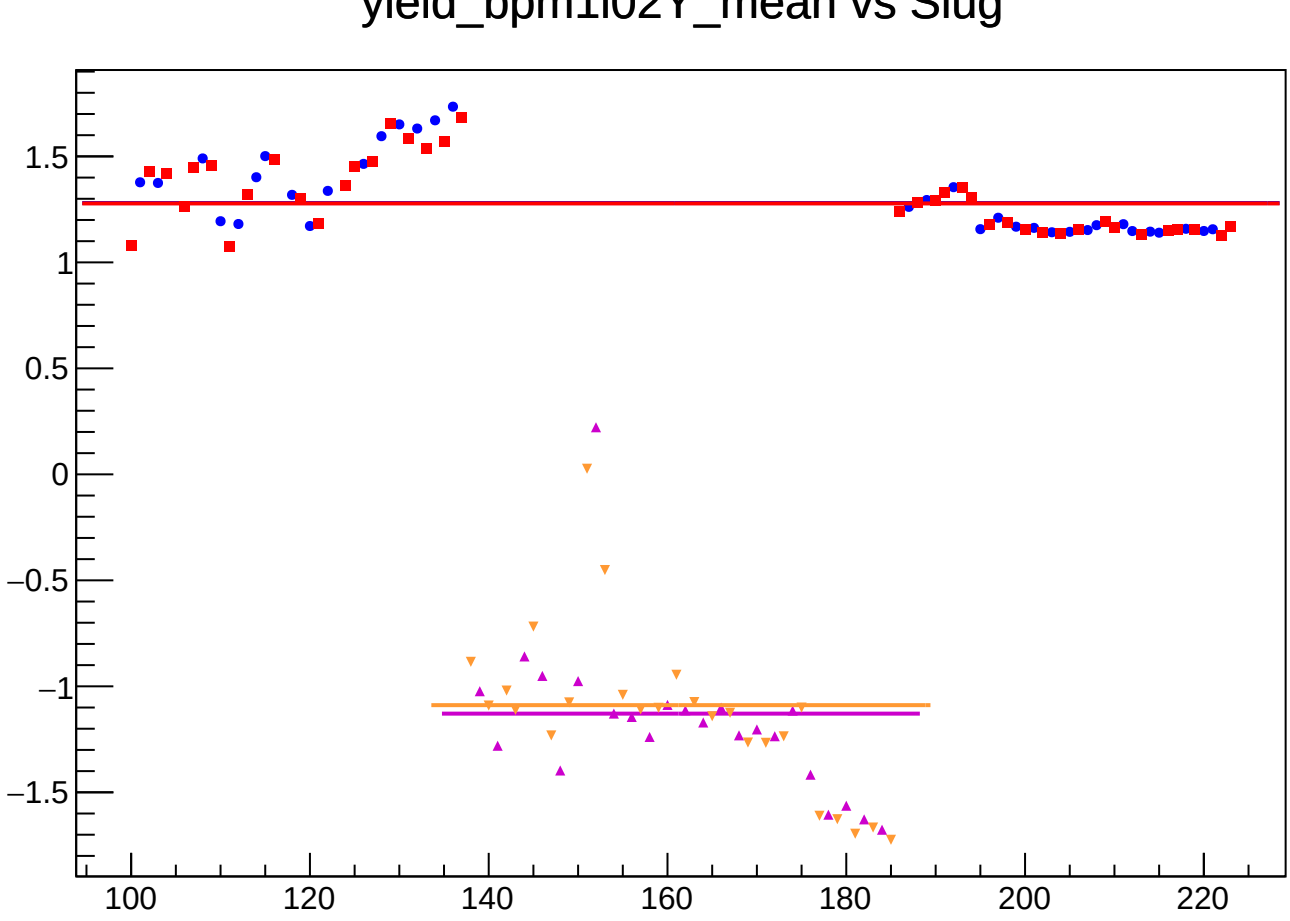
Right Out: 0.011+/-0.000 χ^2/NDF: 427739.6/38

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 3147797.2/58

All: 0.010+/-0.000 χ^2/NDF: 6374951.7/120

- sign 0.010+/-0.000 χ^2/NDF: 3227153.5/61



Right In: 1.280+/-0.000 χ^2/NDF: 10096728162.8/33

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.278+/-0.000 χ^2/NDF: 8041878293.1/38

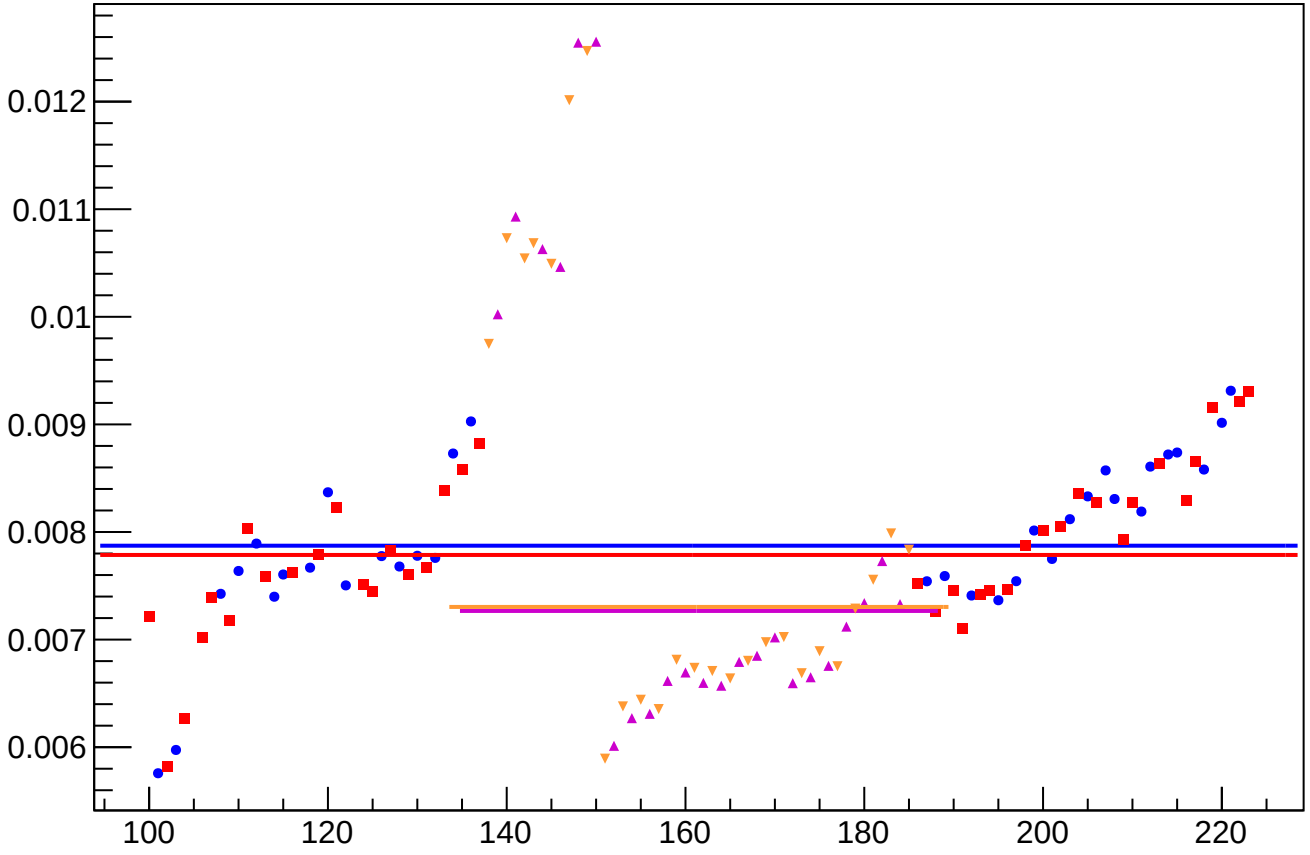
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign 0.101+/-0.000 χ^2/NDF: 1047818941531.6/58

All: 0.124+/-0.000 χ^2/NDF: 2130581993837.

- sign 0.146+/-0.000 χ^2/NDF: 1082066776041.1/61

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 525769.6/33

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 451083.5/38

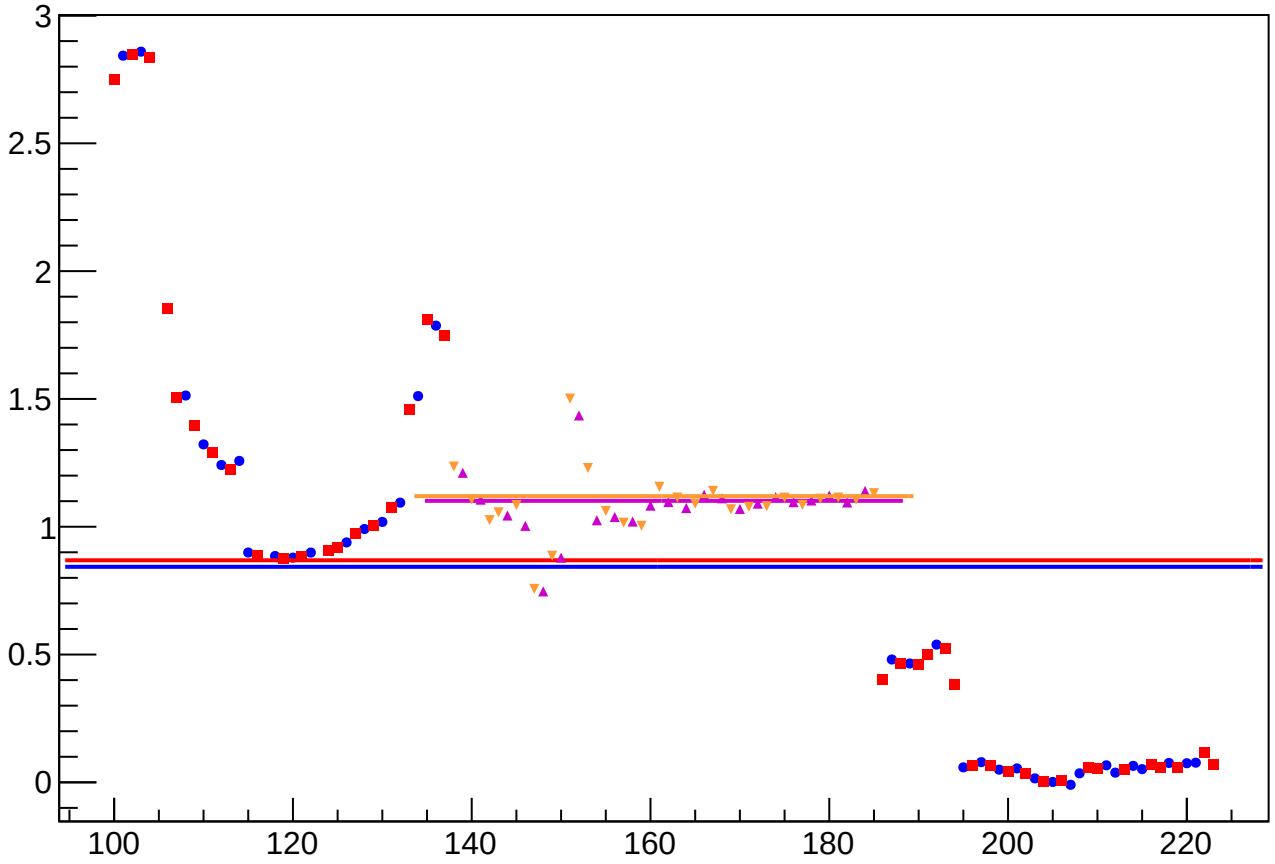
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 2142605.4/58

All: 0.008+/-0.000 χ^2/NDF: 4250251.2/120

- sign 0.008+/-0.000 χ^2/NDF: 2106058.3/61

yield_bpm1i04X_mean vs Slug



Right In: 0.843+/-0.000 χ^2/NDF: 168285518613.5/33

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.869+/-0.000 χ^2/NDF: 163490320543.5/38

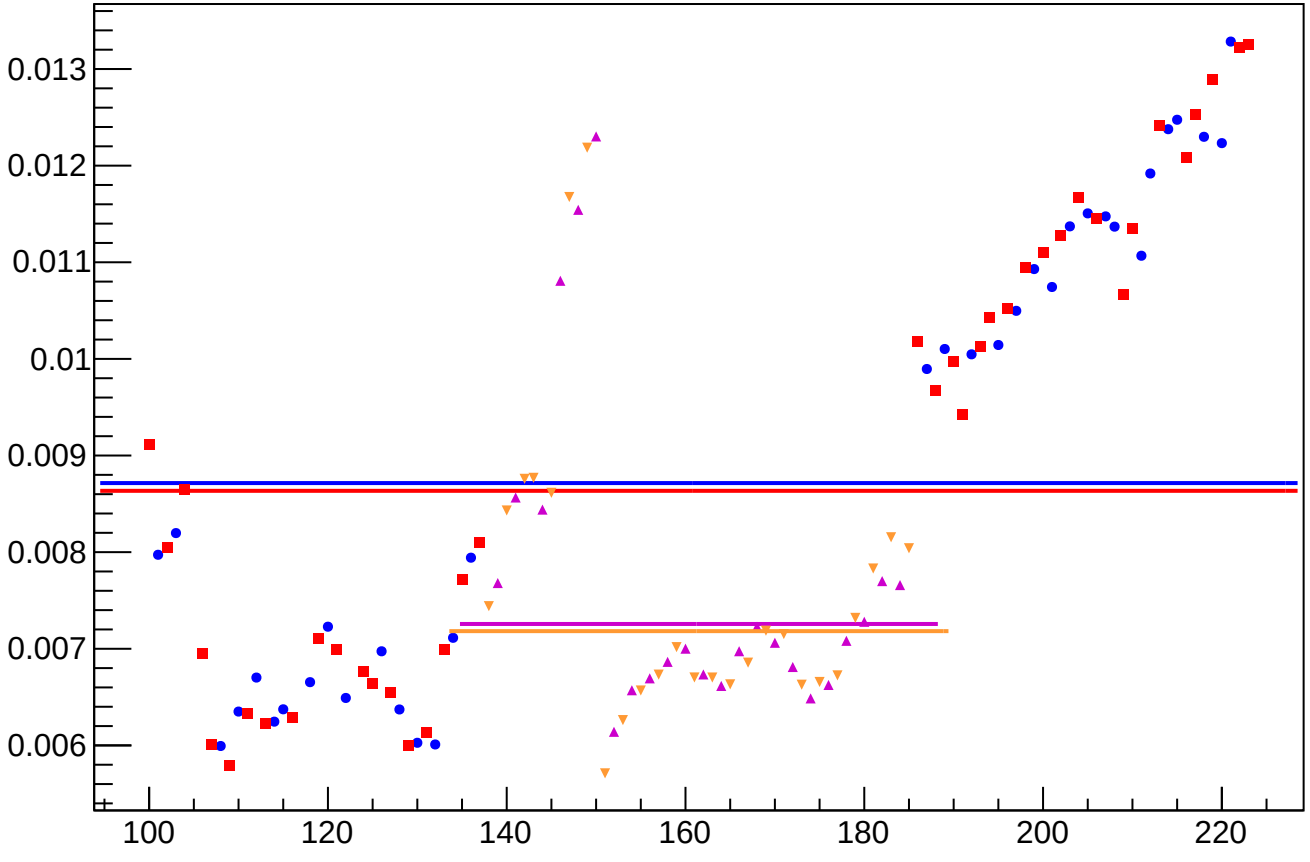
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.001+/-0.000 χ^2/NDF: 185531125989.1/58

All: 0.998+/-0.000 χ^2/NDF: 361521625855.9

- sign 0.994+/-0.000 χ^2/NDF: 175976137416.7/61

yield_bpm1i04X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 3011296.2/33

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 3189410.1/38

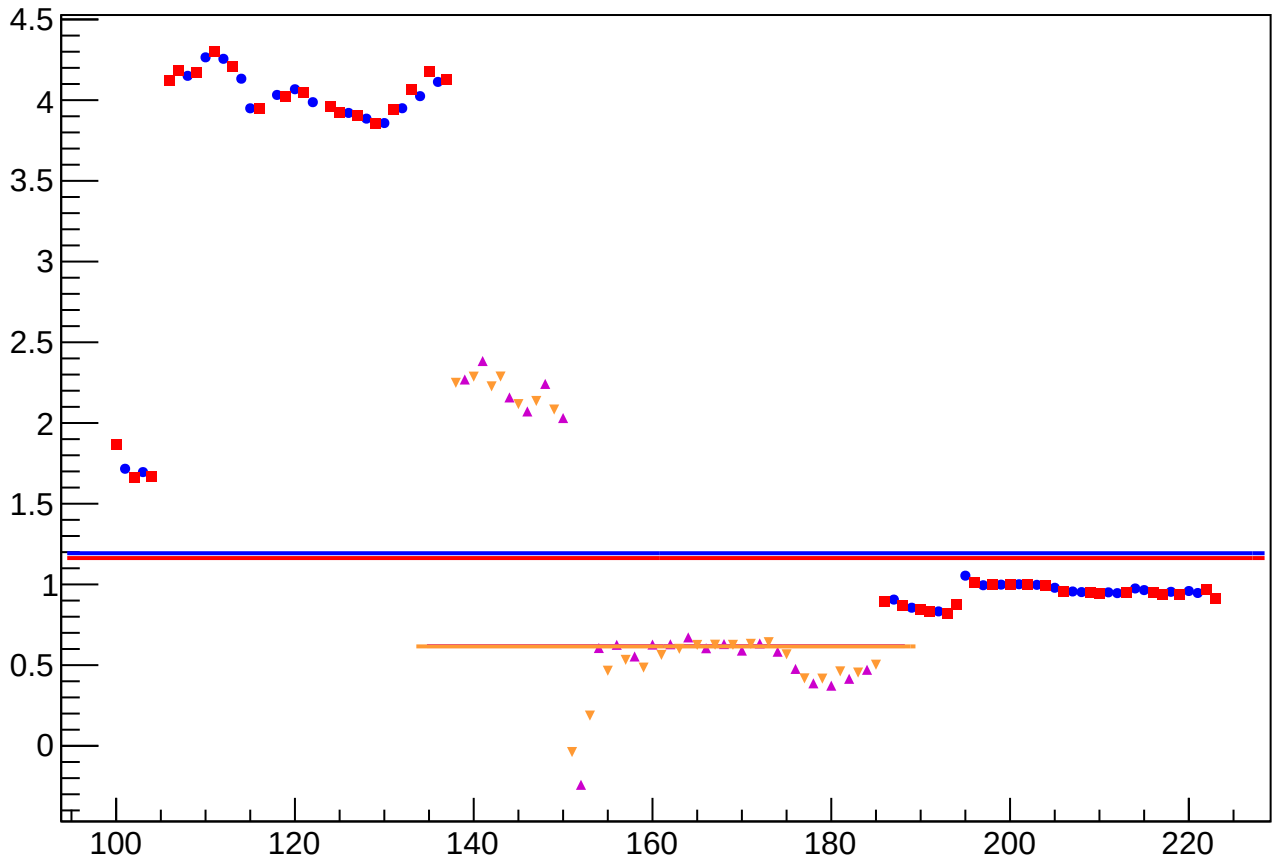
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4625999.3/58

All: 0.008+/-0.000 χ^2/NDF: 9315411.4/120

- sign 0.008+/-0.000 χ^2/NDF: 4687776.9/61

yield_bpm1i04Y_mean vs Slug



Right In: 1.193+/-0.000 χ^2/NDF: 1664747960706.9/33

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.163+/-0.000 χ^2/NDF: 1822520245686.9/38

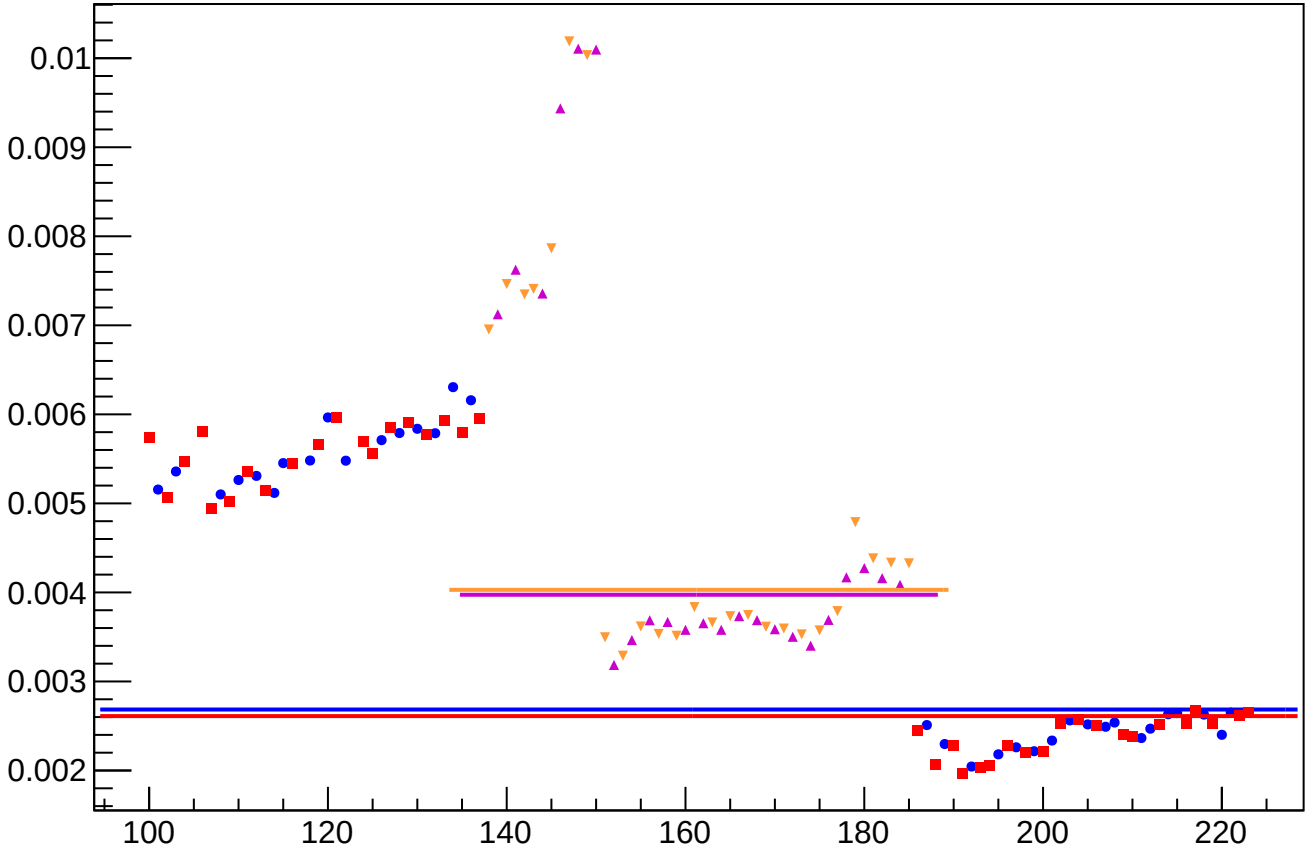
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.026+/-0.000 χ^2/NDF: 2166783265274.9/58

All: 1.022+/-0.000 χ^2/NDF: 4467757487660.

- sign 1.019+/-0.000 χ^2/NDF: 2300865287685.8/61

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4452288.9/33

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4717171.0/38

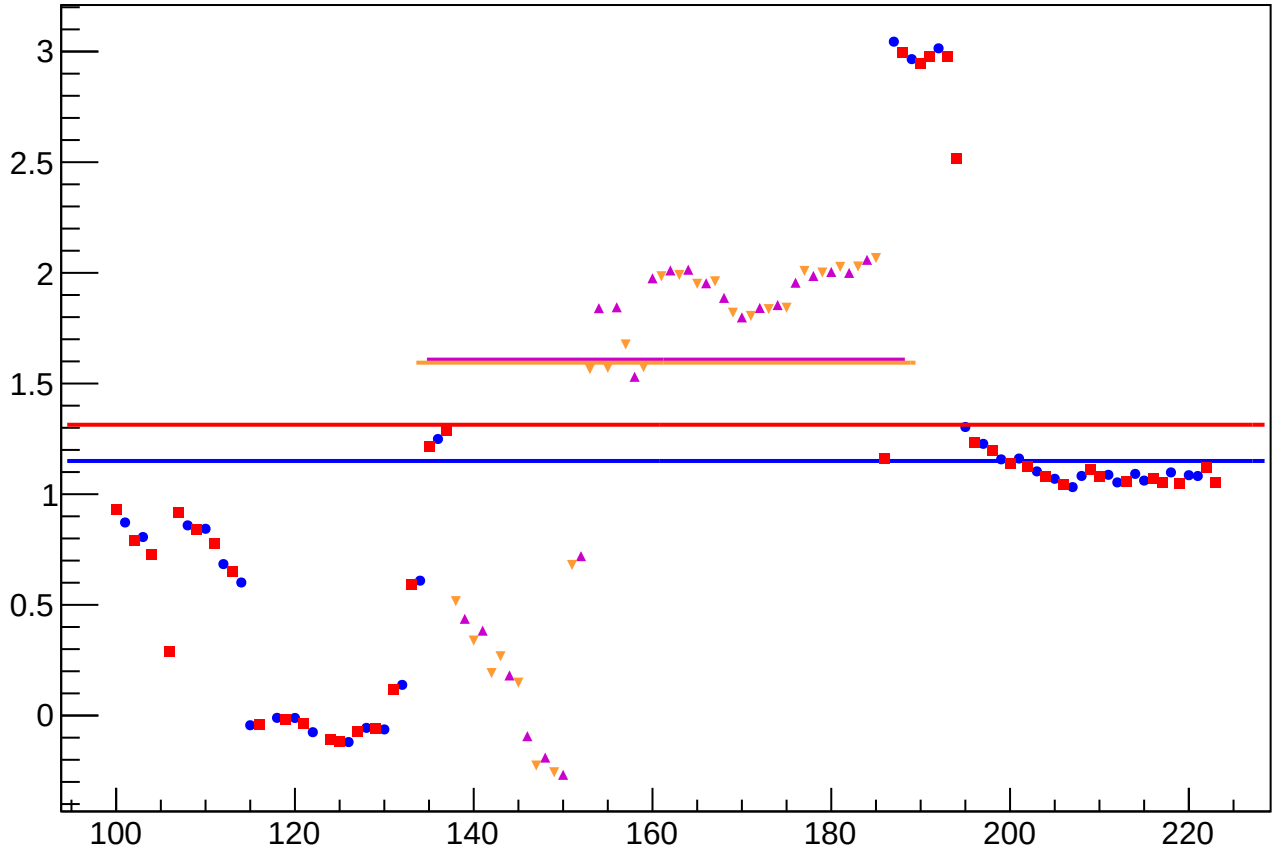
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 10130979.2/58

All: 0.003+/-0.000 χ^2/NDF: 20811550.4/120

- sign 0.003+/-0.000 χ^2/NDF: 10642136.4/61

yield_bpm1i06X_mean vs Slug



Right In: 1.150+/-0.000 χ^2/NDF: 77968565779.2/33

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.314+/-0.000 χ^2/NDF: 108123079663.8/38

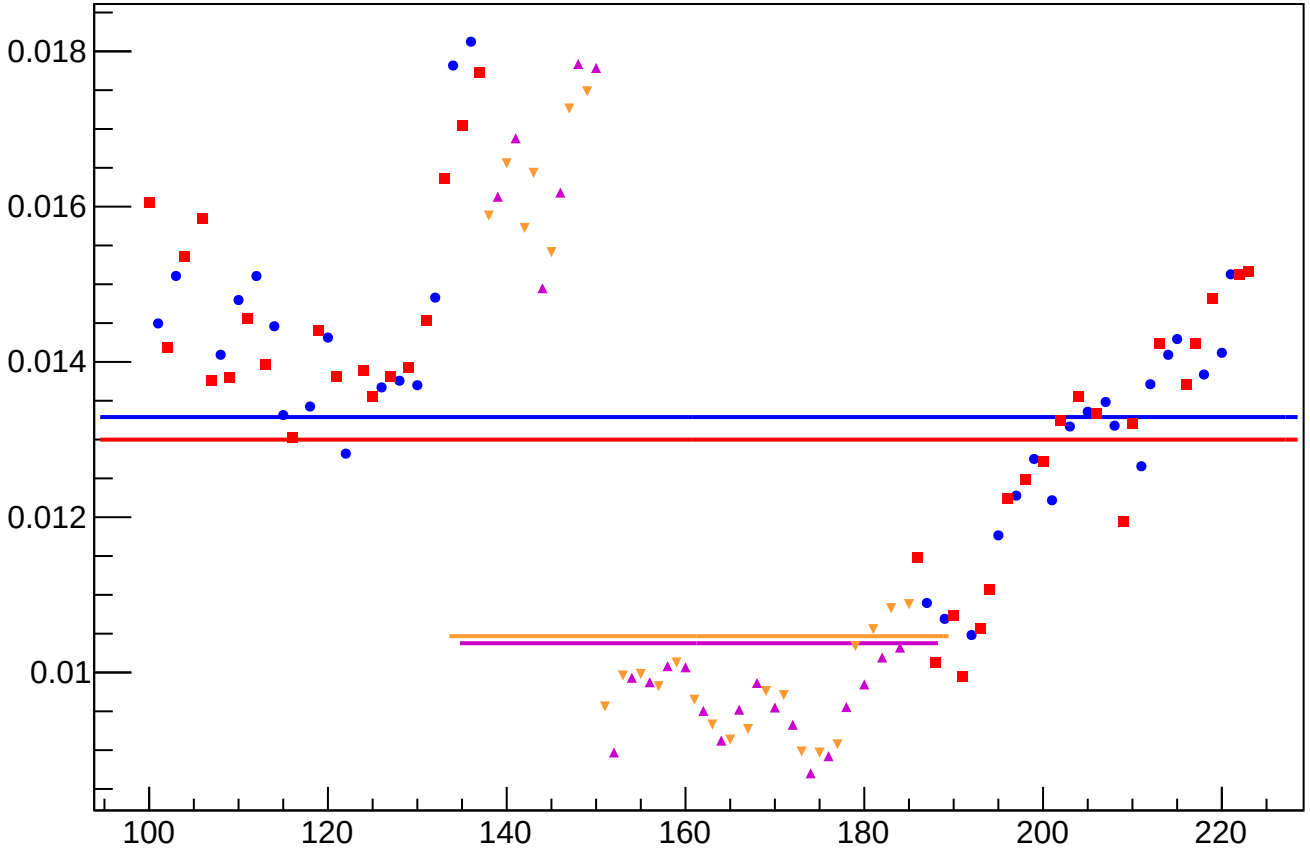
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.407+/-0.000 χ^2/NDF: 154486145469.2/58

All: 1.441+/-0.000 χ^2/NDF: 335953278268.1

- sign 1.476+/-0.000 χ^2/NDF: 180776830400.2/61

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 573880.6/33

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

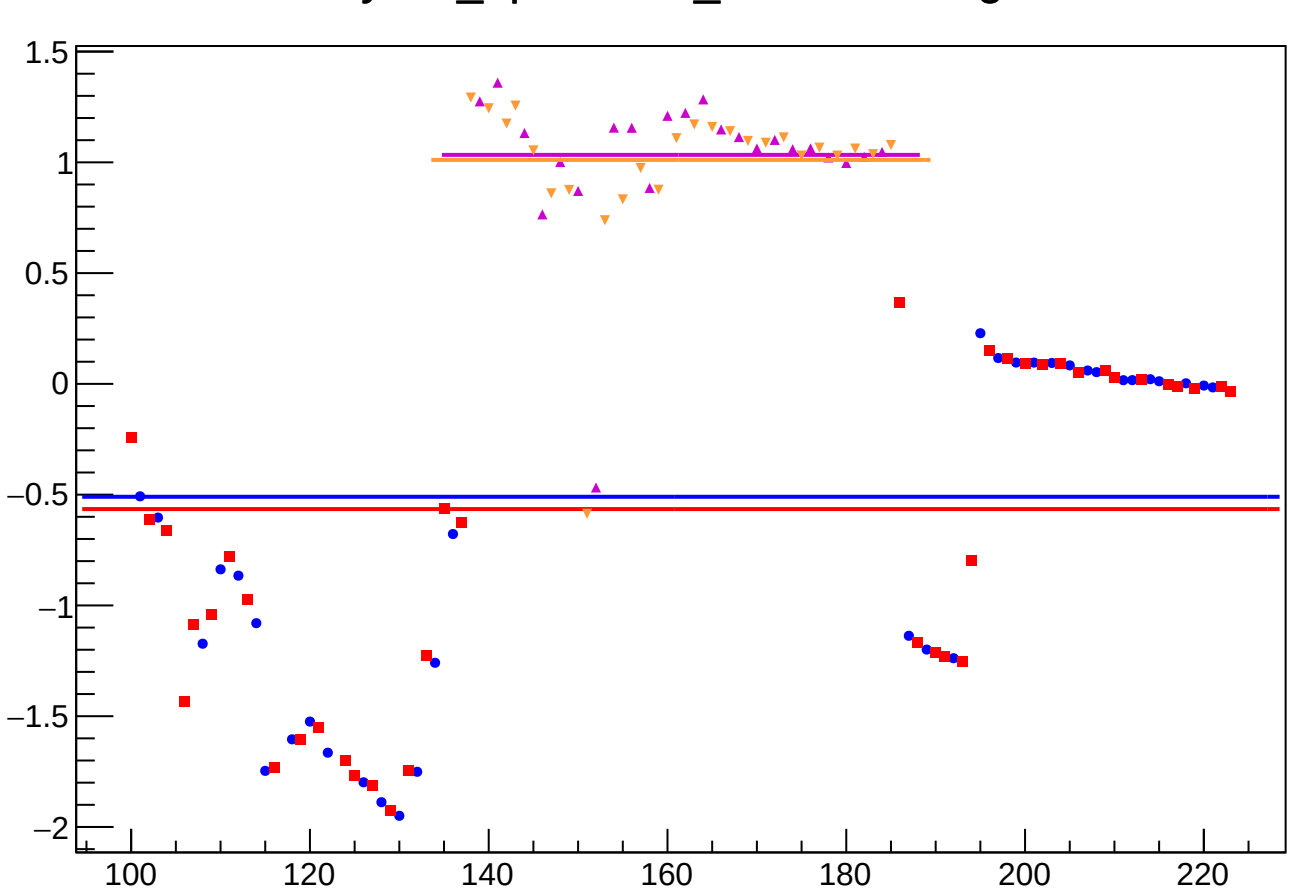
Right Out: 0.013+/-0.000 χ^2/NDF: 746407.5/38

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3356505.2/58

All: 0.012+/-0.000 χ^2/NDF: 6809161.4/120

- sign 0.012+/-0.000 χ^2/NDF: 3449578.5/61



Right In: -0.510+/-0.000 χ^2/NDF: 226494009858.5/33

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.565+/-0.000 χ^2/NDF: 217027675454.0/38

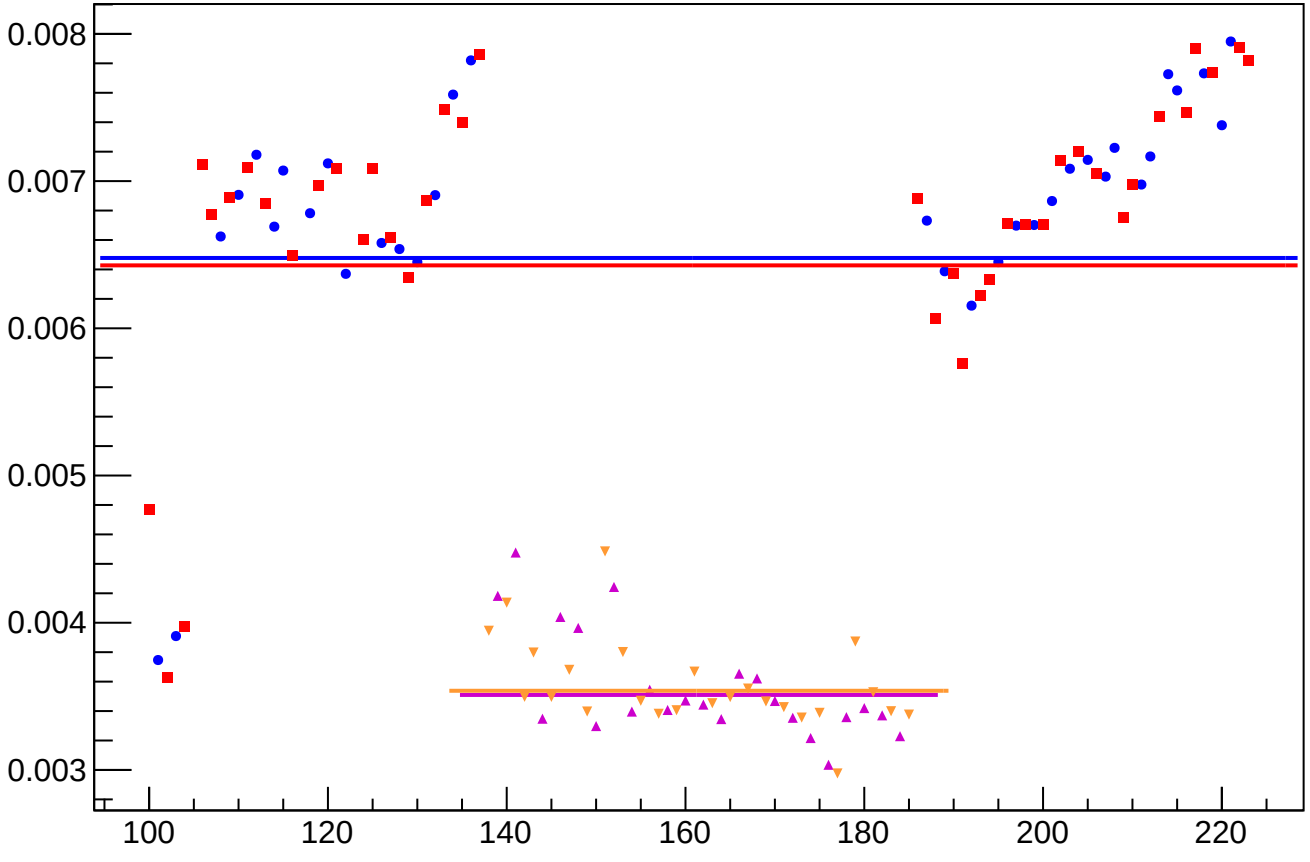
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.620+/-0.000 χ^2/NDF: 1172006805984.6/58

All: 0.607+/-0.000 χ^2/NDF: 2460963345462.

- sign 0.594+/-0.000 χ^2/NDF: 1288300370413.4/61

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1516602.9/33

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1556424.9/38

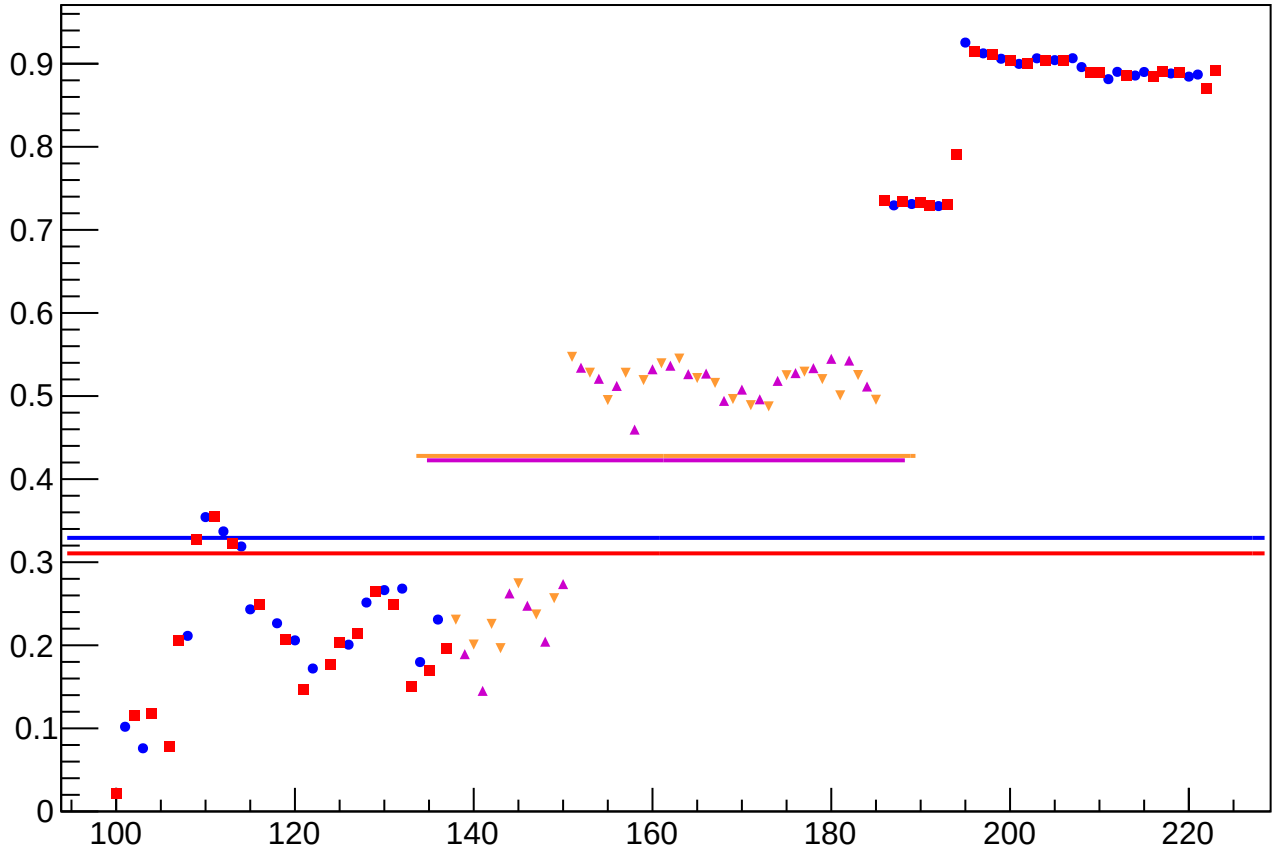
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 7971620.0/58

All: 0.004+/-0.000 χ^2/NDF: 16116112.4/120

- sign 0.004+/-0.000 χ^2/NDF: 8143802.5/61

yield_bpm2i01X_mean vs Slug



Right In: 0.329+/-0.000 χ^2/NDF: 271539546474.3/33

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.311+/-0.000 χ^2/NDF: 286636637584.1/38

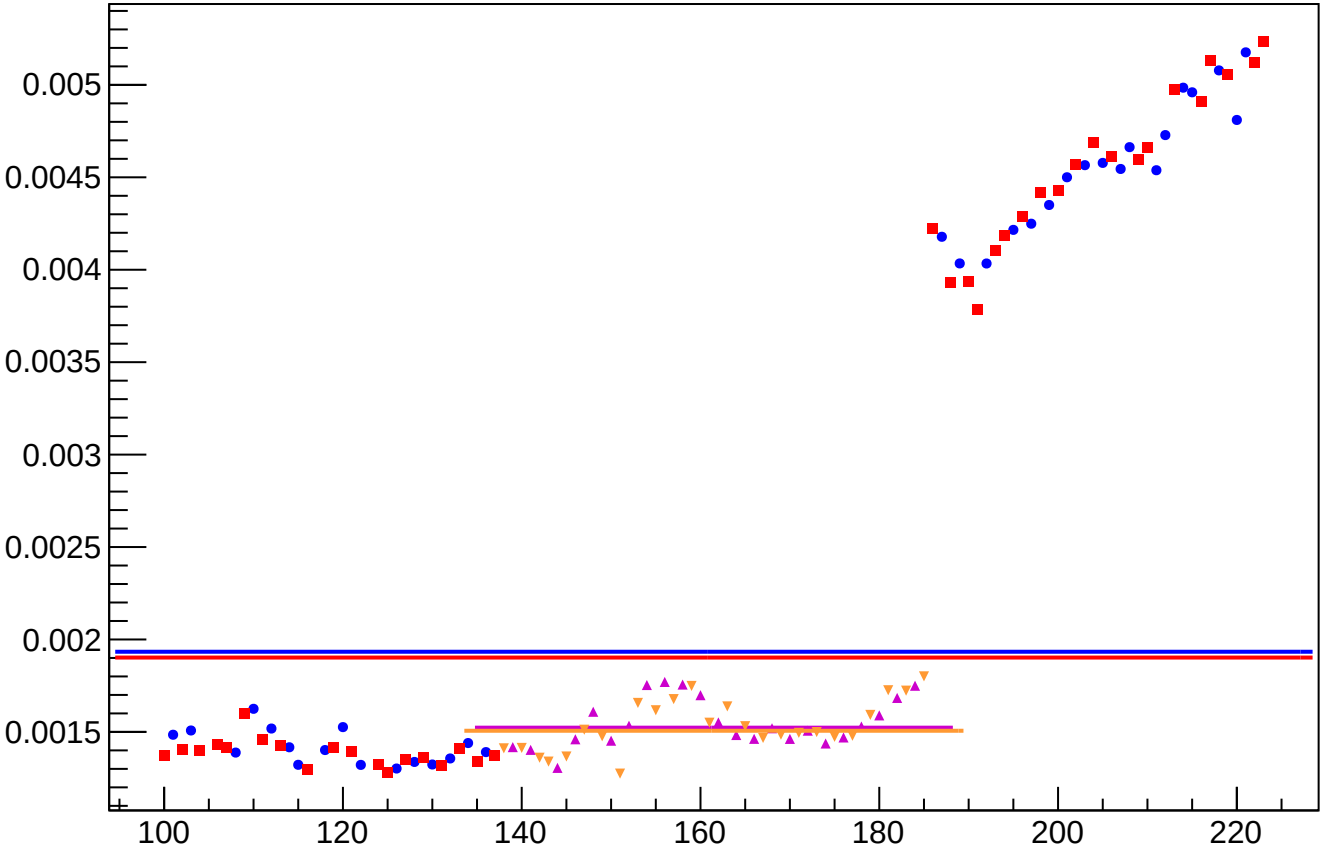
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.395+/-0.000 χ^2/NDF: 452672783835.7/58

All: 0.388+/-0.000 χ^2/NDF: 934498672923.8

- sign 0.381+/-0.000 χ^2/NDF: 480658924566.6/61

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11851945.0/33

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

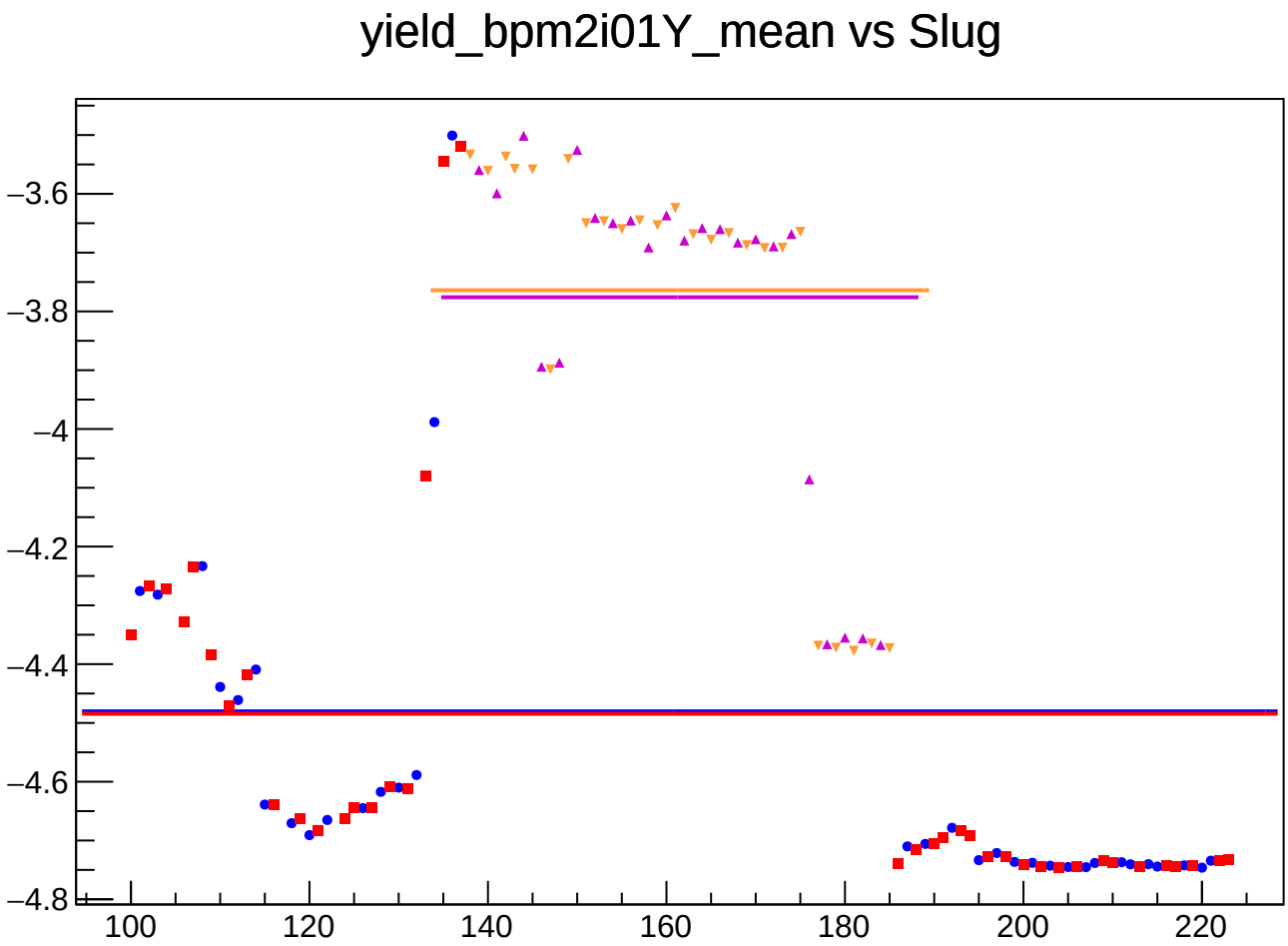
Right Out: 0.002+/-0.000 χ^2/NDF: 12411043.3/38

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 13156068.9/58

All: 0.002+/-0.000 χ^2/NDF: 26627598.5/120

- sign 0.002+/-0.000 χ^2/NDF: 13469130.0/61



Right In: -4.480+/-0.000 χ^2/NDF: 462529307168.1/33

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.484+/-0.000 χ^2/NDF: 409495582367.1/38

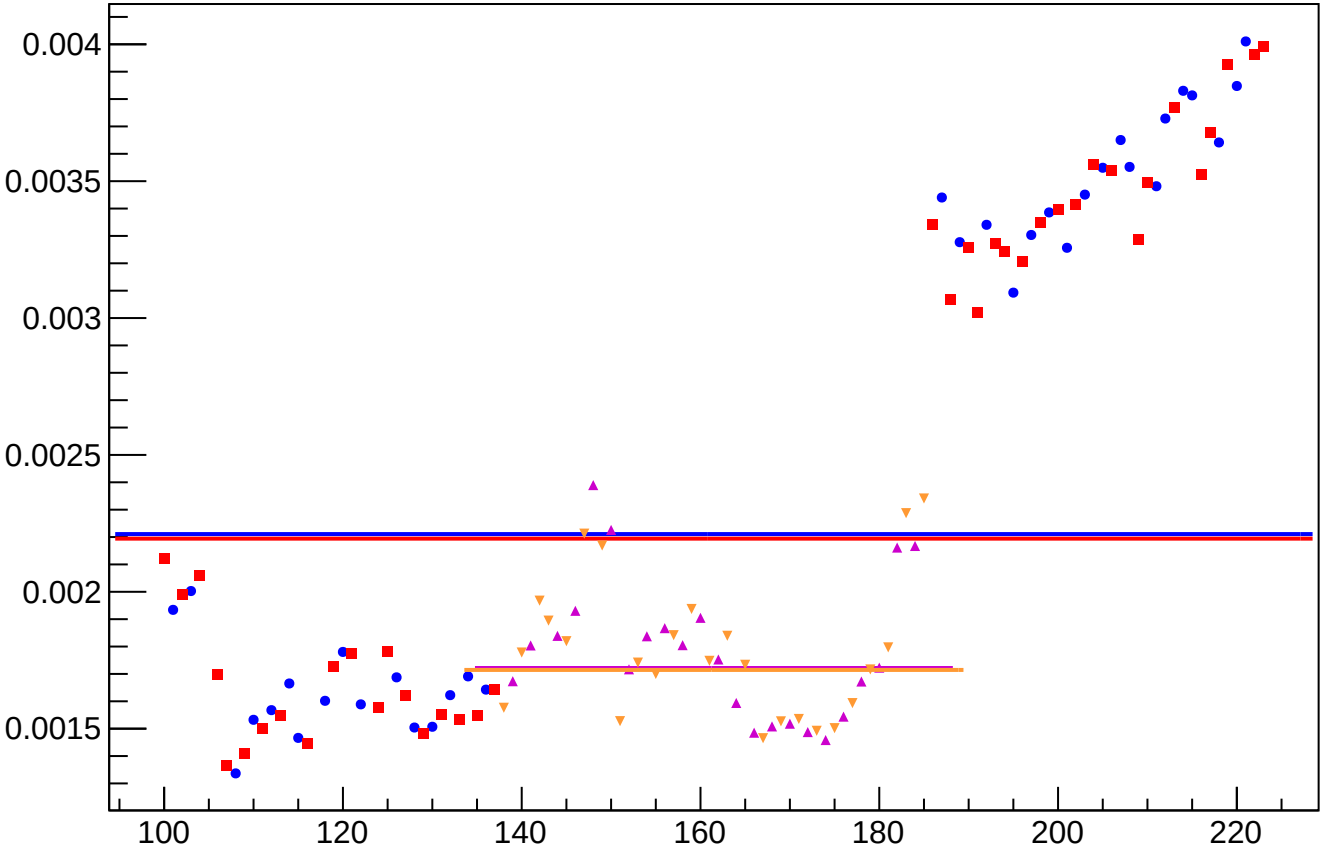
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.033+/-0.000 χ^2/NDF: 2162812496400.9/5

All: -4.048+/-0.000 χ^2/NDF: 4183882527076

- sign -4.063+/-0.000 χ^2/NDF: 2016709738640.0/61

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6156208.6/33

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

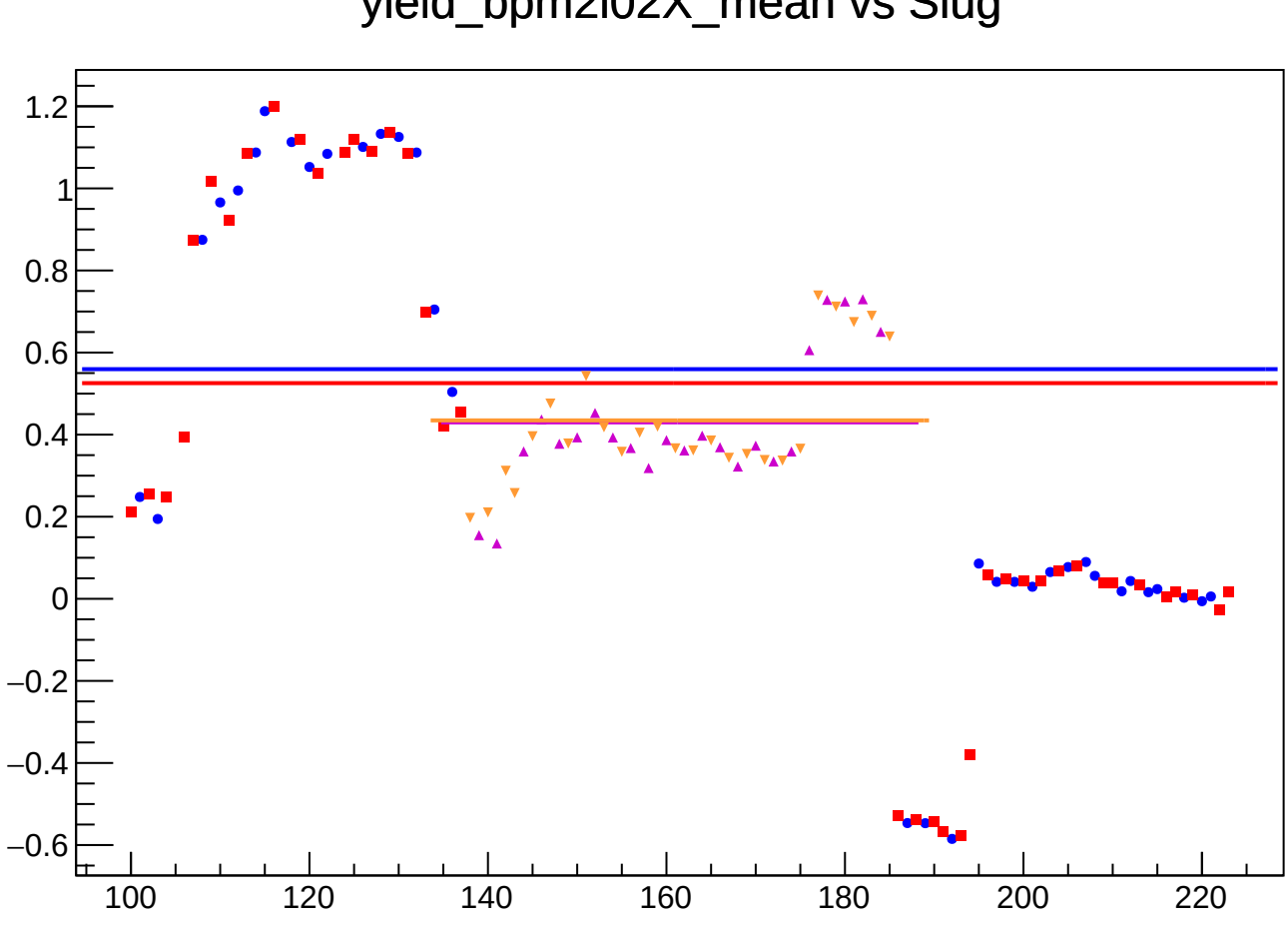
Right Out: 0.002+/-0.000 χ^2/NDF: 6244155.0/38

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

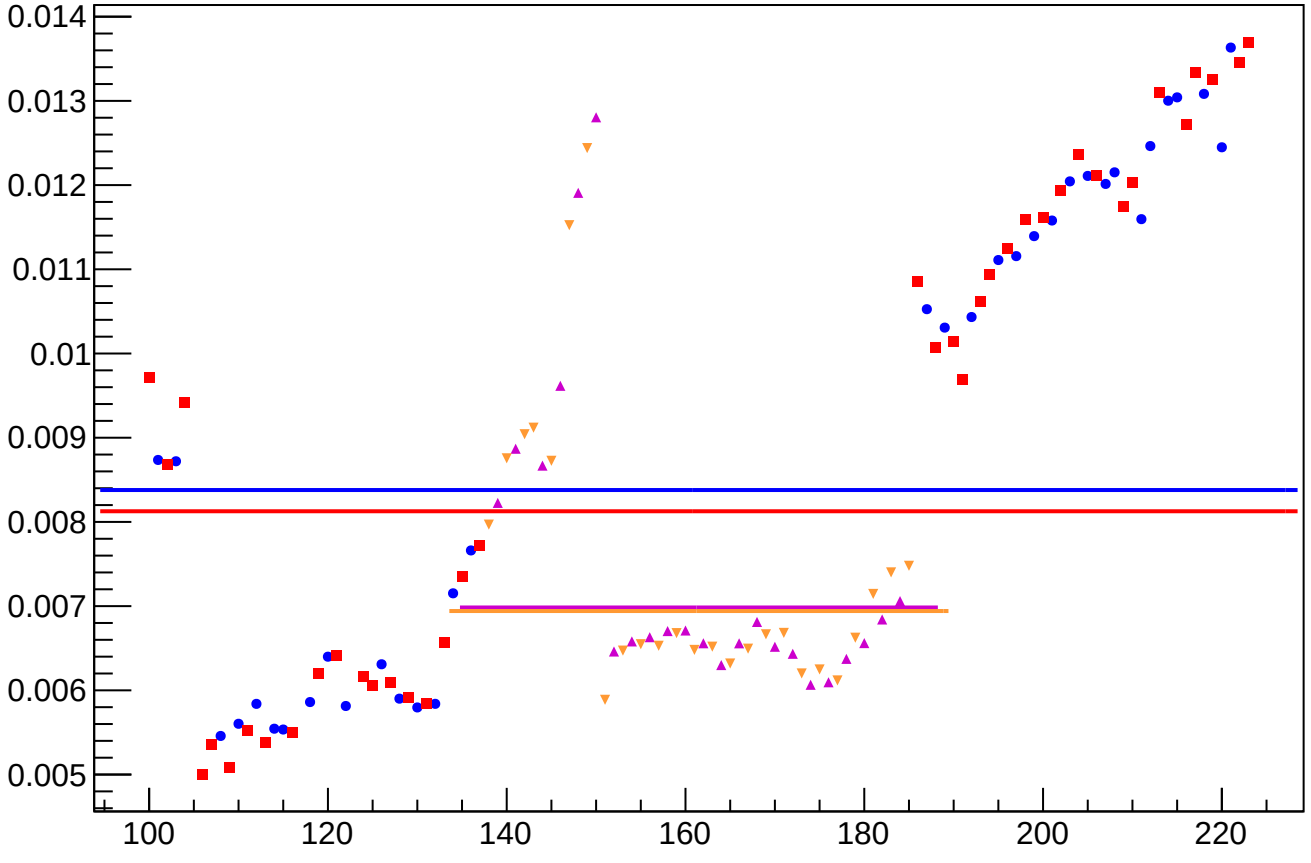
+ sign 0.002+/-0.000 χ^2/NDF: 7886554.6/58

All: 0.002+/-0.000 χ^2/NDF: 15786104.9/120

- sign 0.002+/-0.000 χ^2/NDF: 7898144.0/61


yield_bpm2i02X_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: 0.560+/-0.000 χ²/NDF: 81044891681.7/33
Left Out: 0.435+/-0.000 χ²/NDF:8515333254.7/24
Right Out: 0.525+/-0.000 χ²/NDF: 98234232819.7/38
Left In: 0.430+/-0.000 χ²/NDF:9041195997.1/22
+ sign 0.487+/-0.000 χ²/NDF: 92091454581.3/58
All: 0.480+/-0.000 χ²/NDF: 200940552815.1
- sign 0.474+/-0.000 χ²/NDF: 108789021749.8/61

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4536070.4/33

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

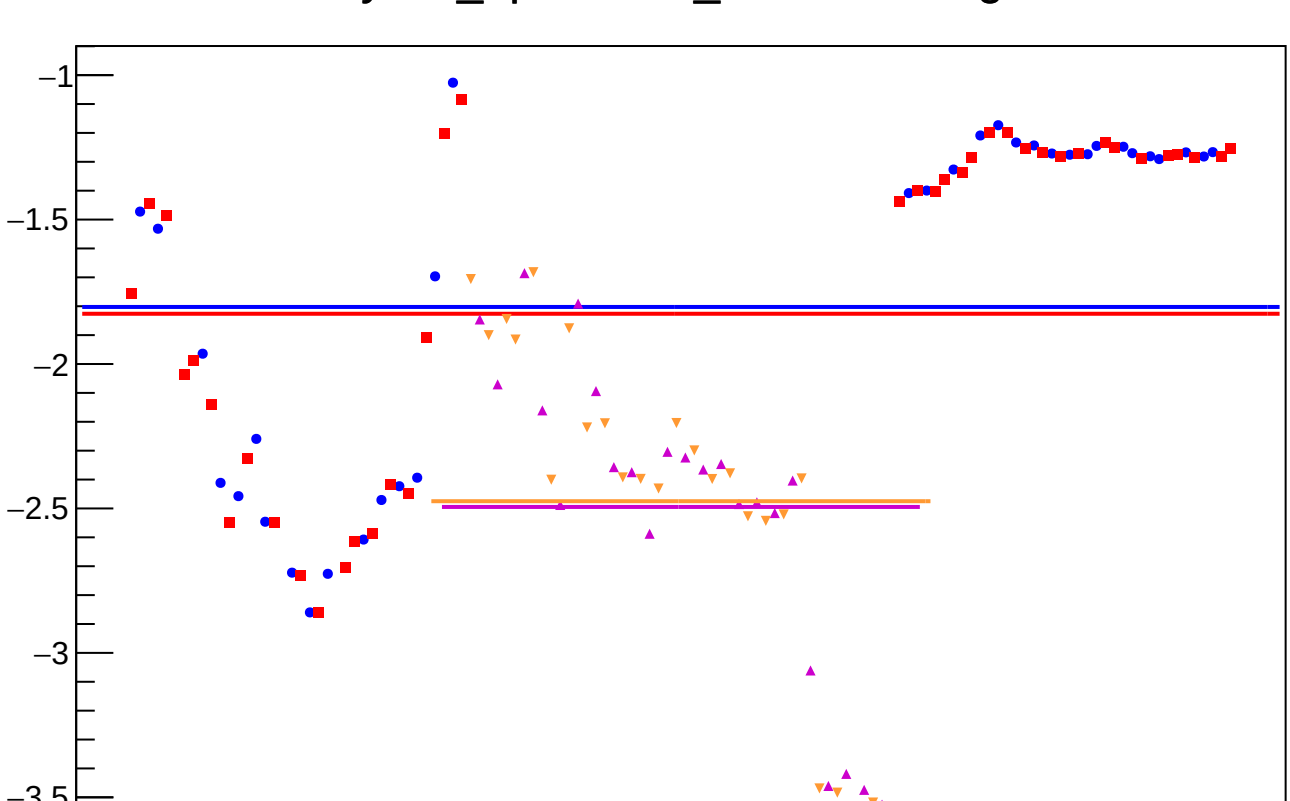
Right Out: 0.008+/-0.000 χ^2/NDF: 5188133.9/38

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 6298000.1/58

All: 0.008+/-0.000 χ^2/NDF: 13056142.6/120

- sign 0.008+/-0.000 χ^2/NDF: 6757203.7/61



Right In: -1.802+/-0.000 χ^2/NDF: 127202745725.7/33

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.826+/-0.000 χ^2/NDF: 125203322634.5/38

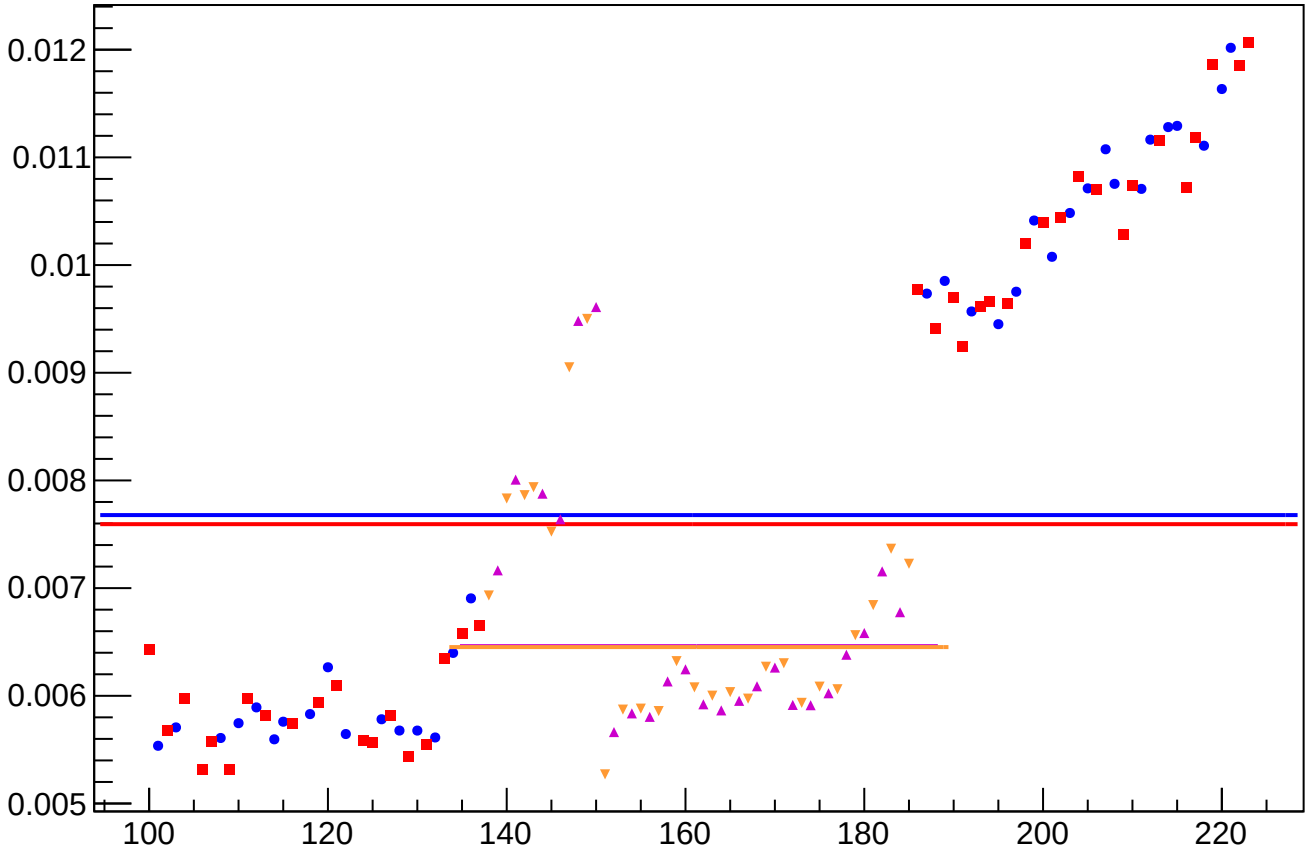
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.187+/-0.000 χ^2/NDF: 338254954551.5/58

All: -2.188+/-0.000 χ^2/NDF: 648152780510.7

- sign -2.189+/-0.000 χ^2/NDF: 309896621568.8/61

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3814415.3/33

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

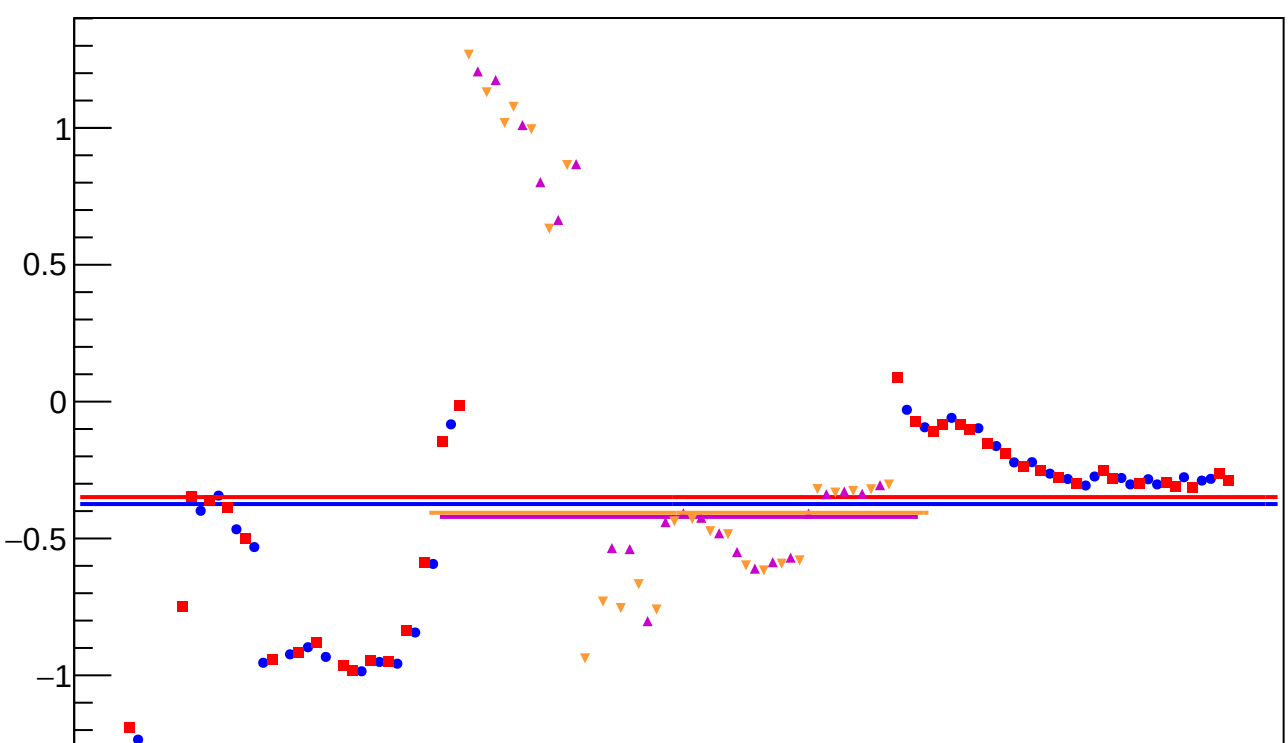
Right Out: 0.008+/-0.000 χ^2/NDF: 3907498.6/38

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 5113218.1/58

All: 0.007+/-0.000 χ^2/NDF: 10245657.7/120

- sign 0.007+/-0.000 χ^2/NDF: 5132435.1/61



Right In: -0.374+/-0.000 χ^2/NDF: 24936119601.3/33

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.349+/-0.000 χ^2/NDF: 27457510248.9/38

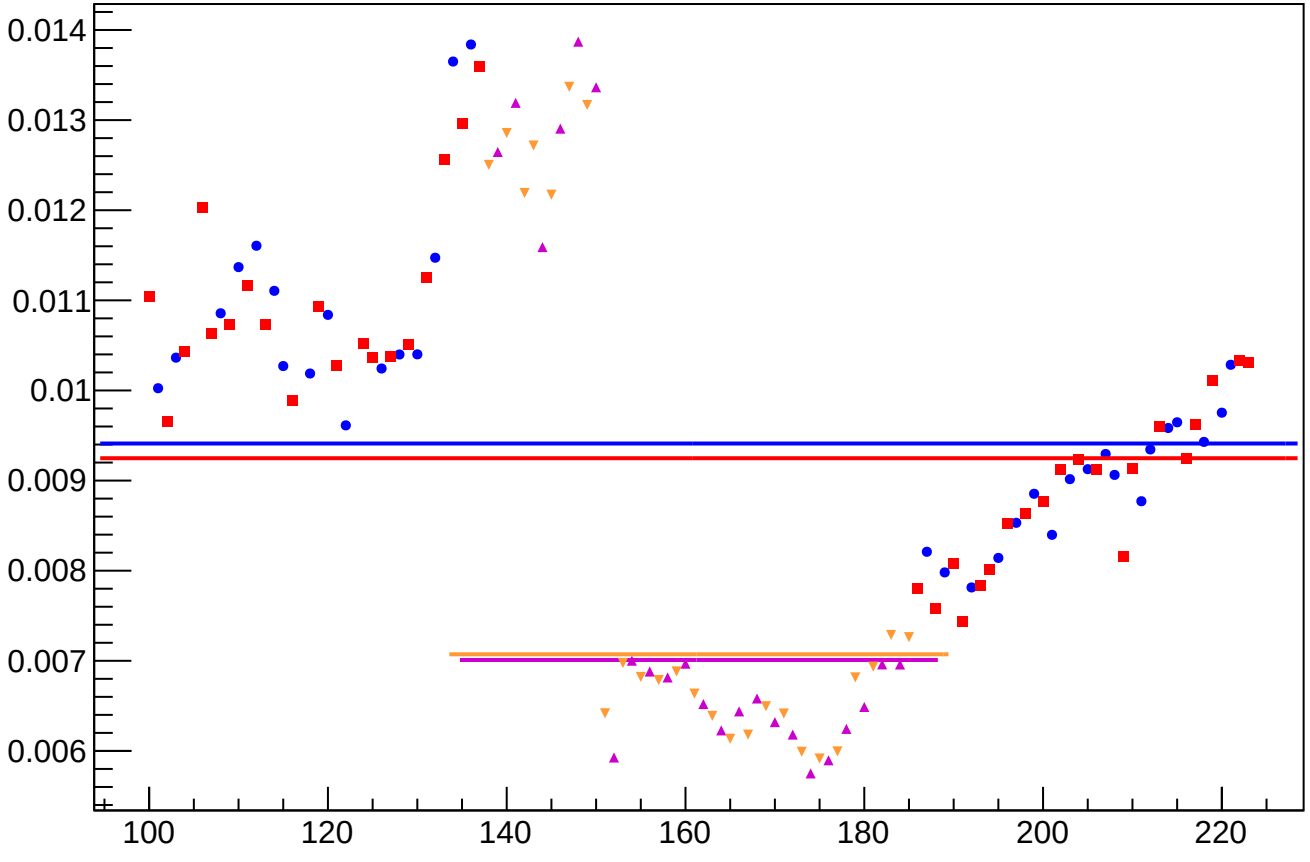
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.393+/-0.000 χ^2/NDF: 106714583005.9/58

All: -0.392+/-0.000 χ^2/NDF: 225187218707.0

- sign -0.390+/-0.000 χ^2/NDF: 118469706492.8/61

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 656485.8/33

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

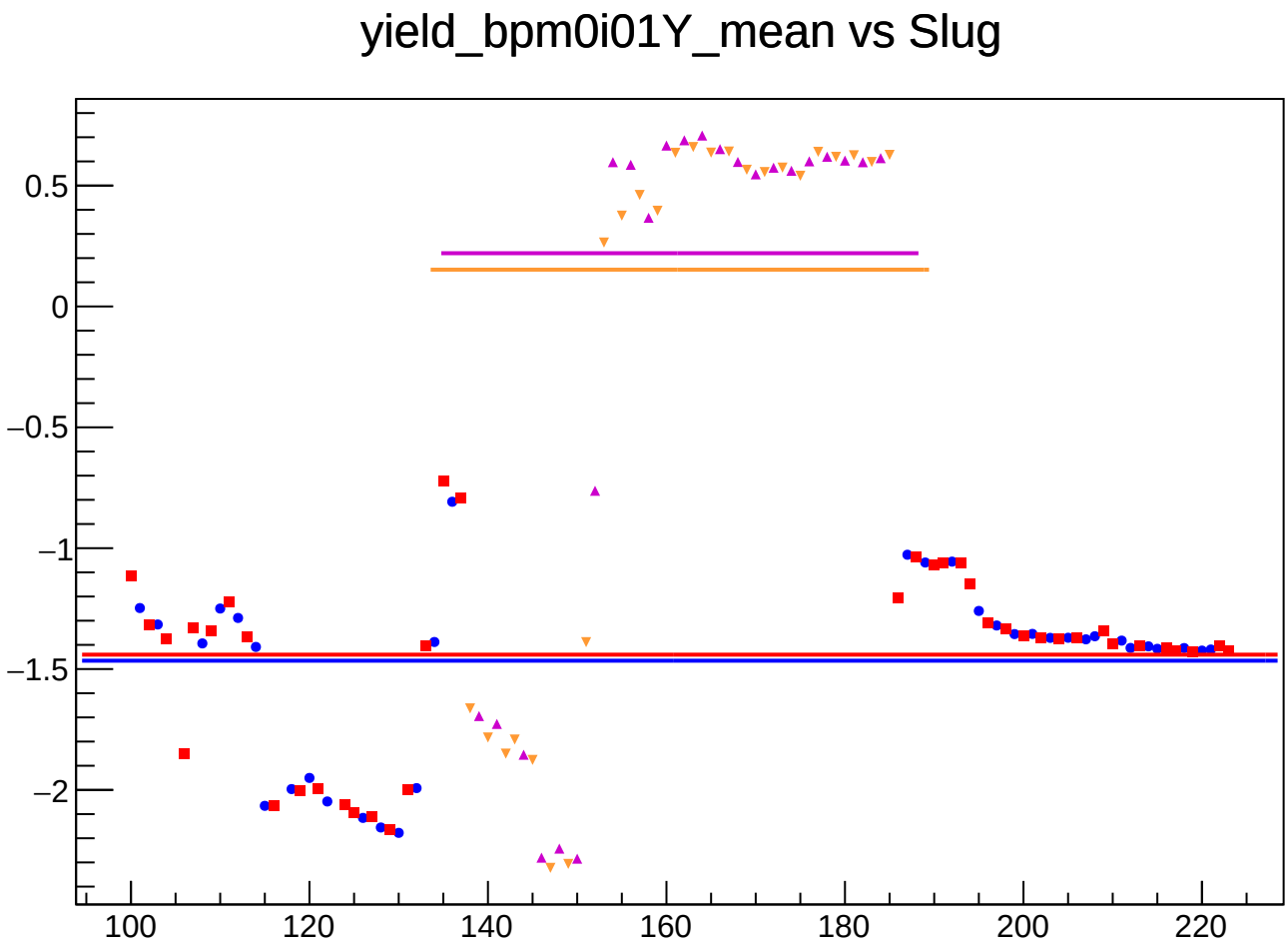
Right Out: 0.009+/-0.000 χ^2/NDF: 754242.3/38

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4613084.9/58

All: 0.008+/-0.000 χ^2/NDF: 9298742.1/120

- sign 0.008+/-0.000 χ^2/NDF: 4684457.2/61



Right In: -1.465+/-0.000 χ^2/NDF: 184105484486.1/33

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.440+/-0.000 χ^2/NDF: 172755718539.2/38

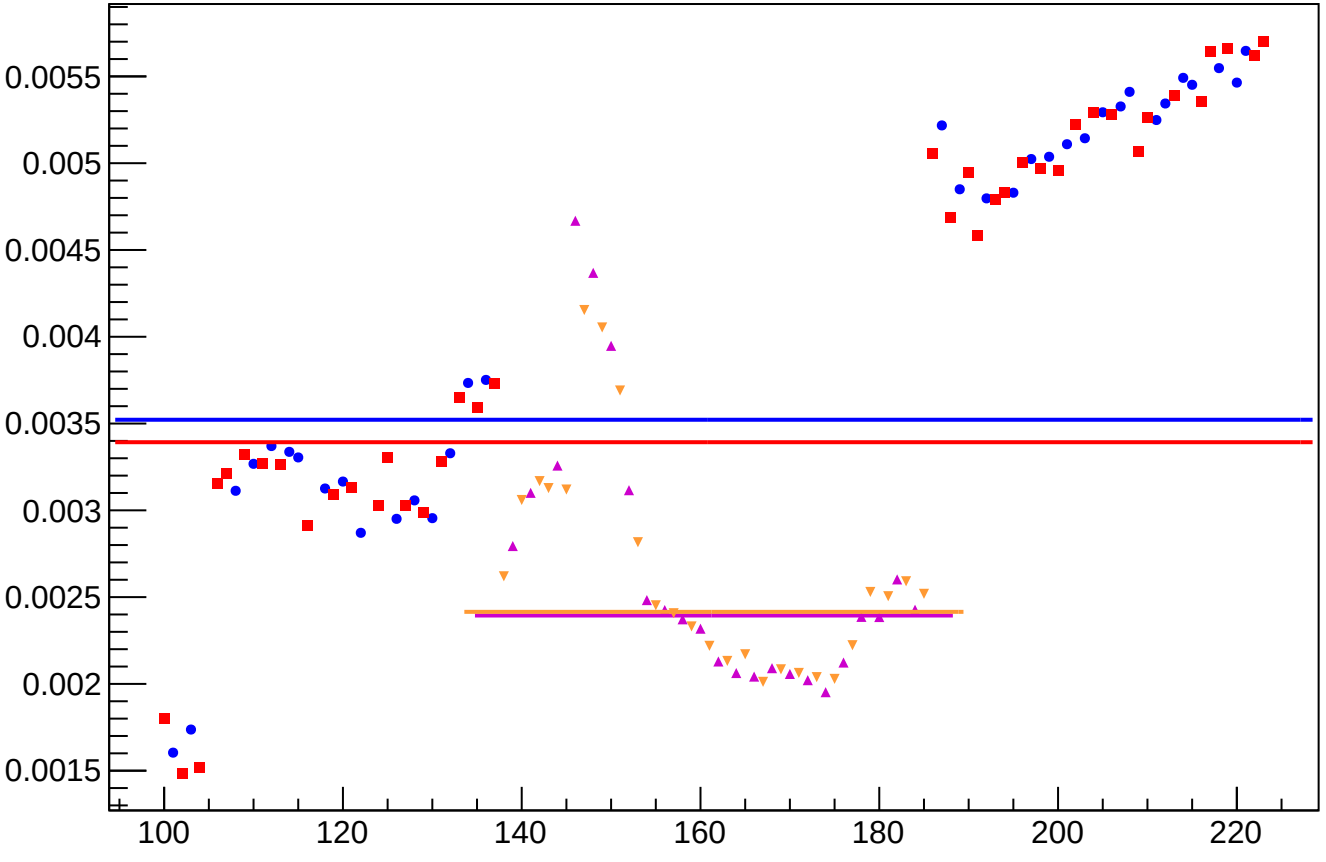
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.385+/-0.000 χ^2/NDF: 5127562480397.1/5

All: -0.383+/-0.000 χ^2/NDF: 1020733871038

- sign -0.381+/-0.000 χ^2/NDF: 5079740748036.4/61

yield_bpm0i01Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 6042096.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

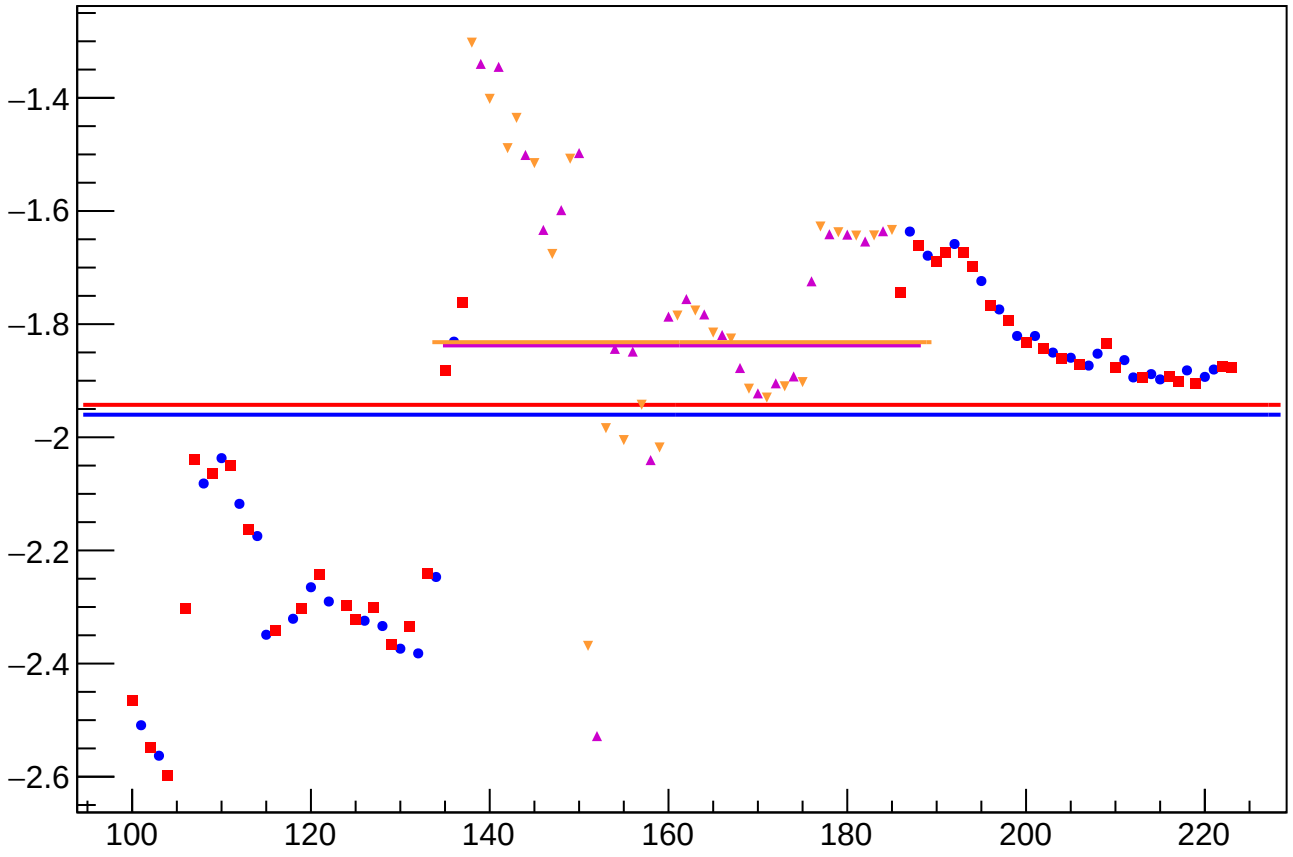
Right Out: 0.003+/-0.000 χ^2/NDF: 7105117.0/38

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 9644544.2/58

All: 0.003+/-0.000 χ^2/NDF: 20175826.0/120

- sign 0.003+/-0.000 χ^2/NDF: 10528038.6/61



Right In: -1.960+/-0.000 χ^2/NDF: 34543390408.8/33

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.943+/-0.000 χ^2/NDF: 38277932095.7/38

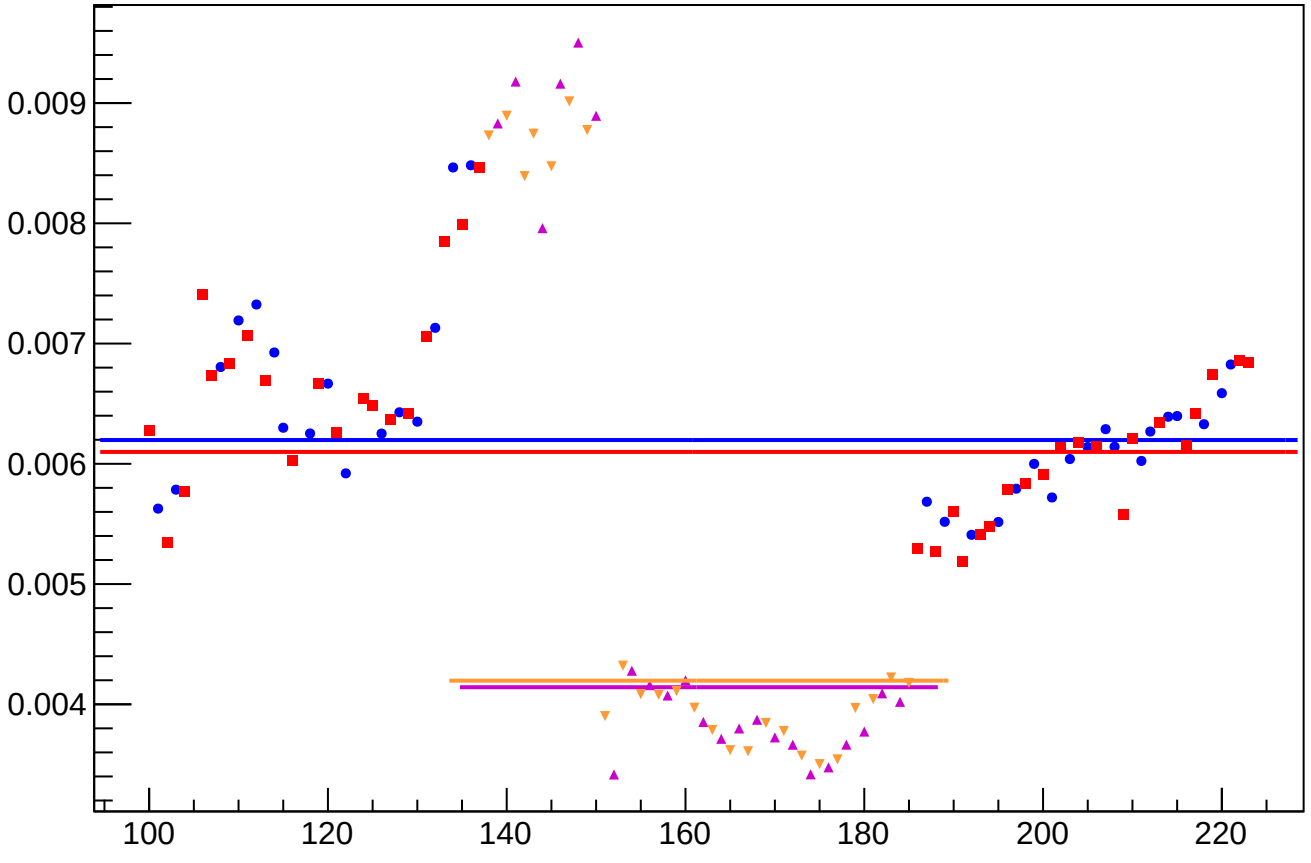
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78729989504.4/58

All: -1.878+/-0.000 χ^2/NDF: 174465047647.6

- sign -1.878+/-0.000 χ^2/NDF: 95735044169.9/61

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 400353.8/33

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

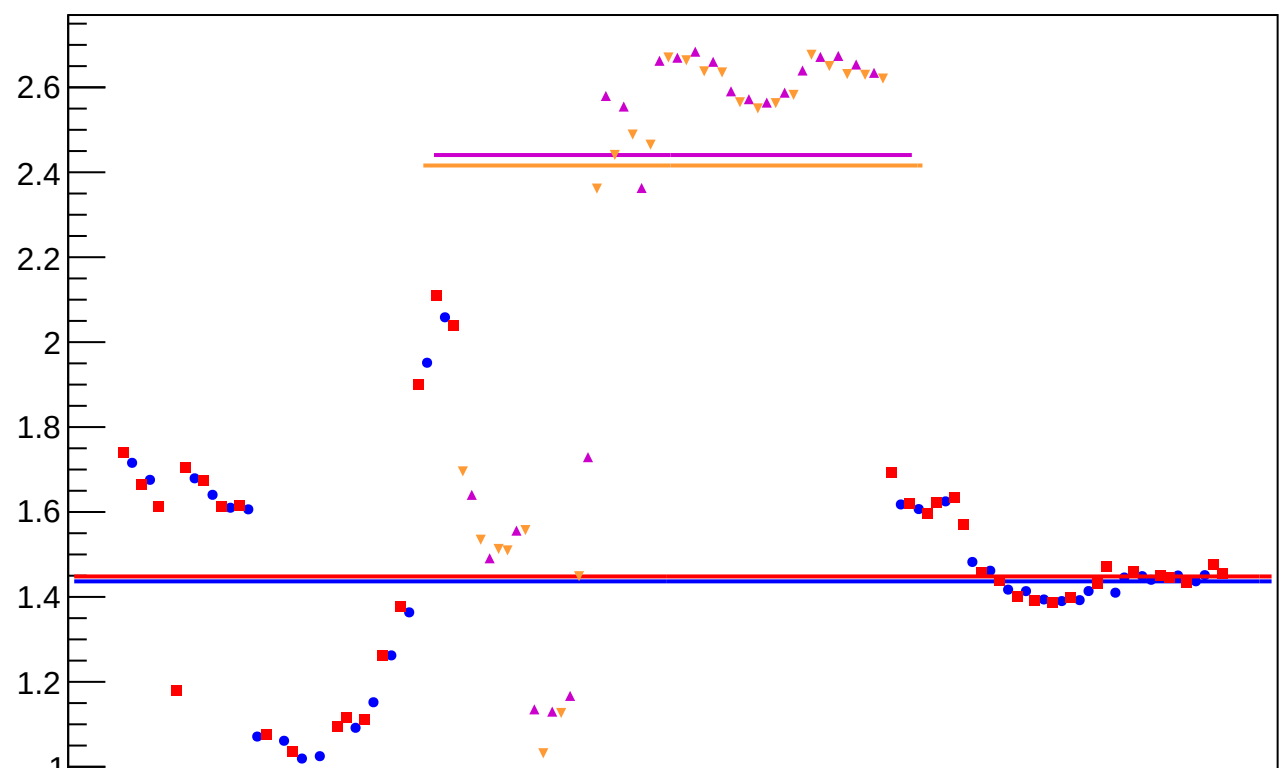
Right Out: 0.006+/-0.000 χ^2/NDF: 456548.5/38

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6327778.0/58

All: 0.005+/-0.000 χ^2/NDF: 12768724.8/120

- sign 0.005+/-0.000 χ^2/NDF: 6440117.6/61



Right In: 1.437+/-0.000 χ^2/NDF: 191516108593.5/33

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186672870897.3/38

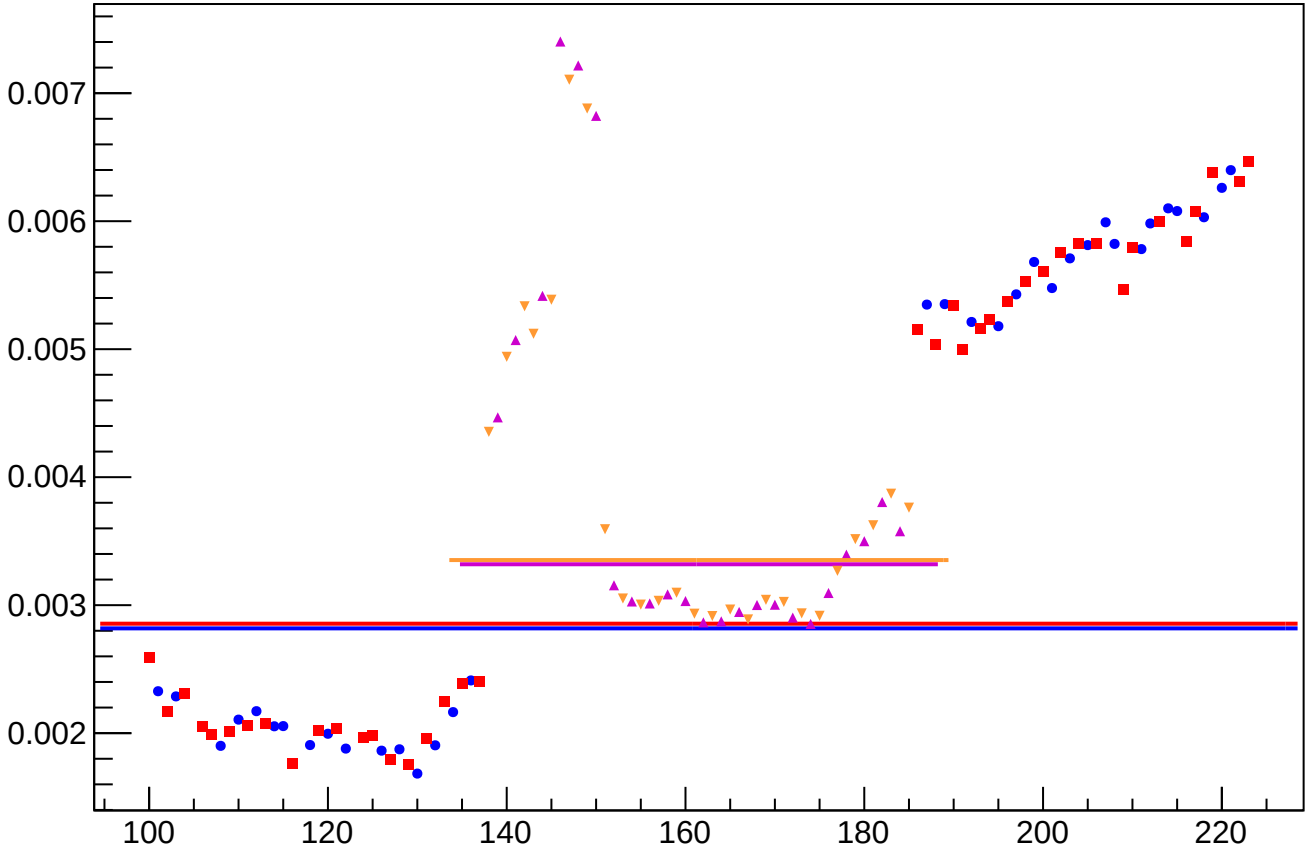
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.857+/-0.000 χ^2/NDF: 1285060163493.9/58

All: 1.857+/-0.000 χ^2/NDF: 2561078485432.

- sign 1.857+/-0.000 χ^2/NDF: 1276016588818.3/61

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9945554.5/33

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

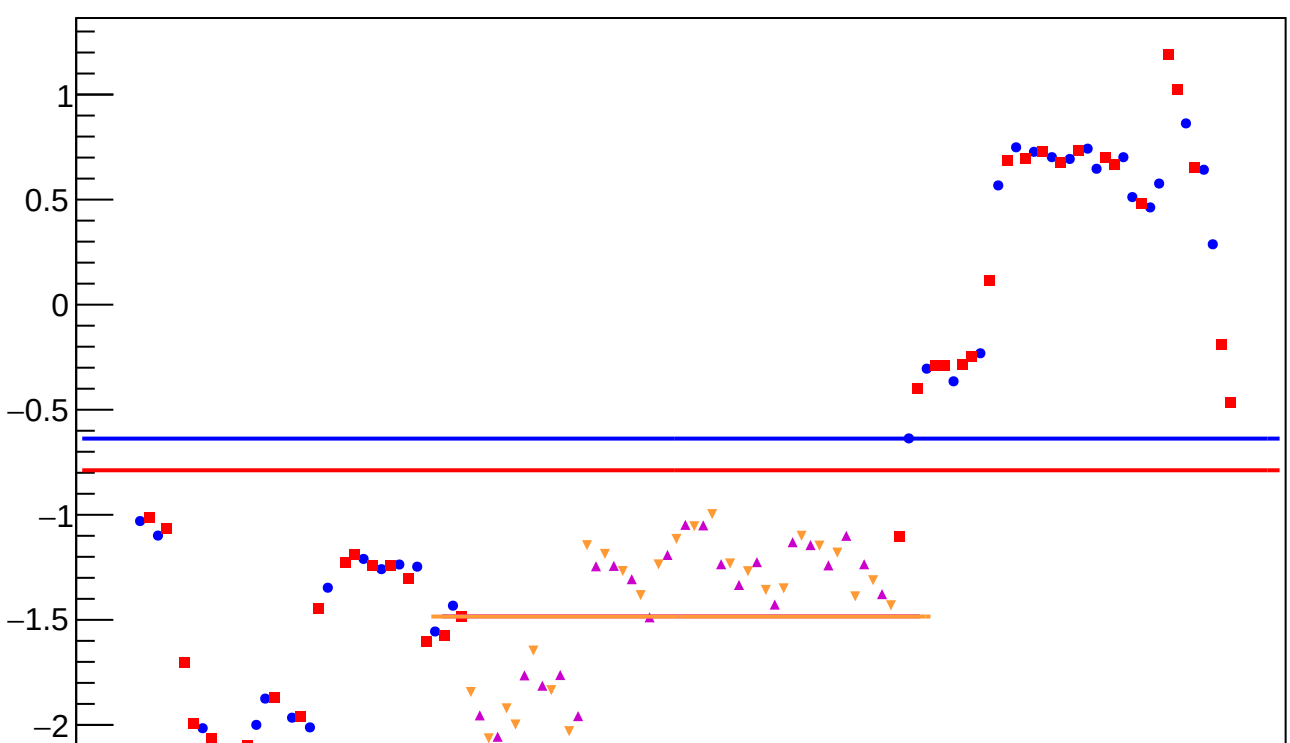
Right Out: 0.003+/-0.000 χ^2/NDF: 9871007.7/38

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 12270634.5/58

All: 0.003+/-0.000 χ^2/NDF: 24572701.9/120

- sign 0.003+/-0.000 χ^2/NDF: 12302065.6/61



Right In: -0.637+/-0.000 χ^2/NDF: 279013157531.0/33

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.788+/-0.000 χ^2/NDF: 315981134025.5/38

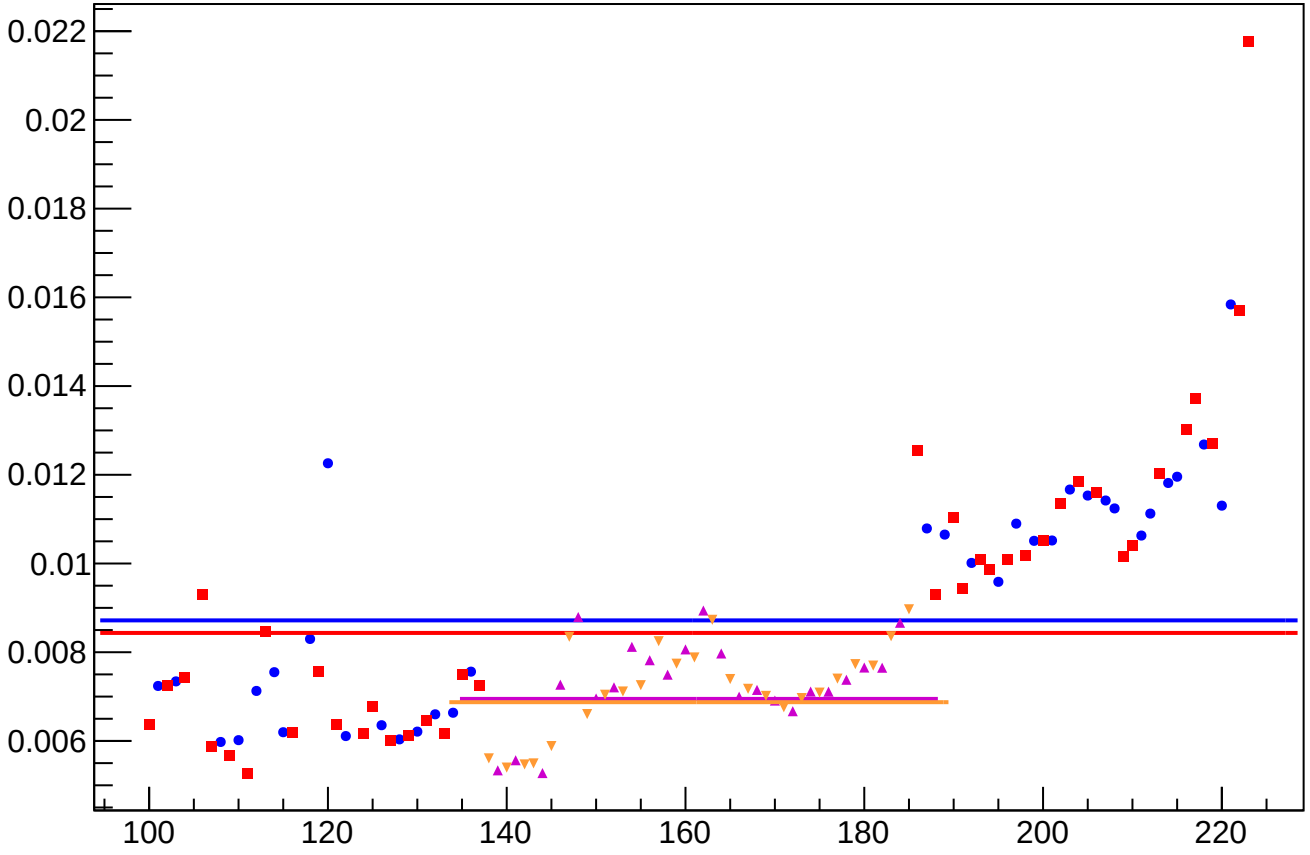
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.145+/-0.000 χ^2/NDF: 437363294857.3/58

All: -1.160+/-0.000 χ^2/NDF: 869471920443.9

- sign -1.175+/-0.000 χ^2/NDF: 431824428956.4/61

yield_bpm0l01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2964041.0/33

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

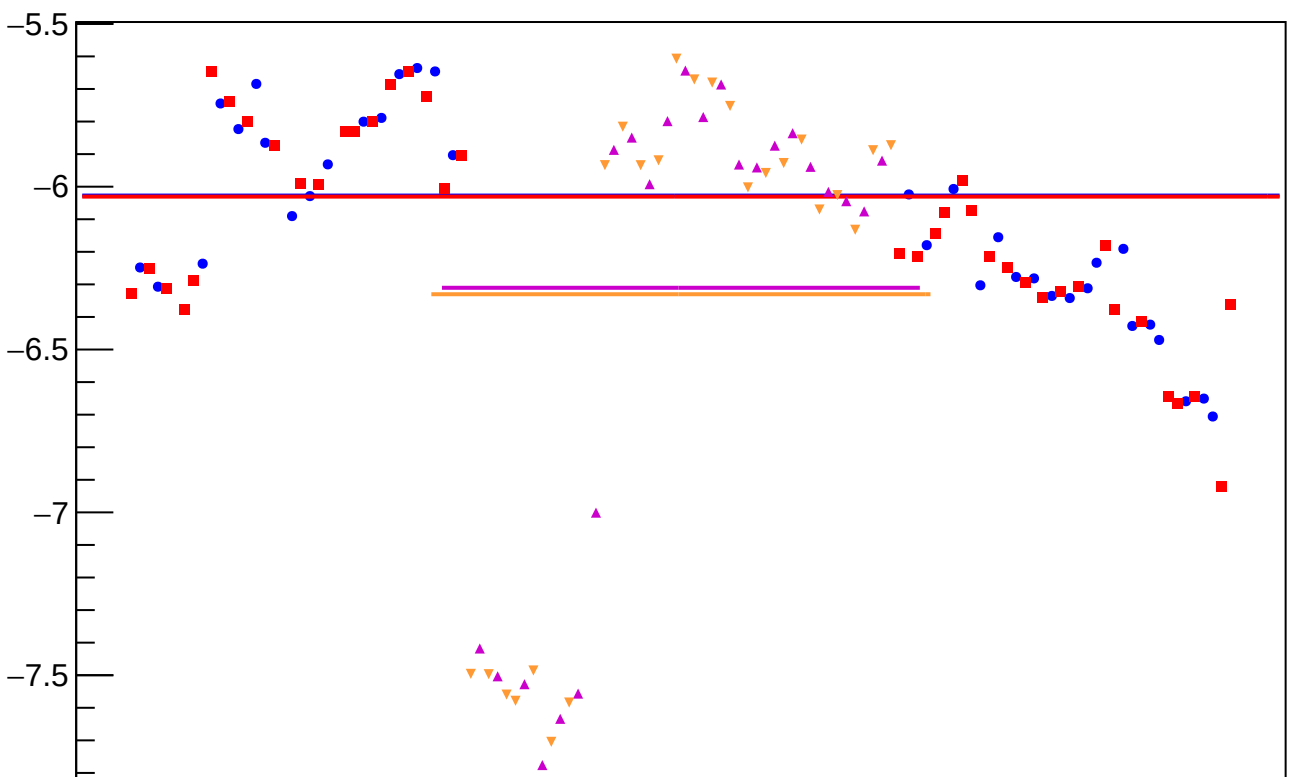
Right Out: 0.008+/-0.000 χ^2/NDF: 3756556.7/38

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4751595.4/58

All: 0.008+/-0.000 χ^2/NDF: 9945911.9/120

- sign 0.008+/-0.000 χ^2/NDF: 5194300.9/61



Right In: -6.027+/-0.000 χ^2/NDF: 22984721036.7/33

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -6.030+/-0.000 χ^2/NDF: 24366851287.9/38

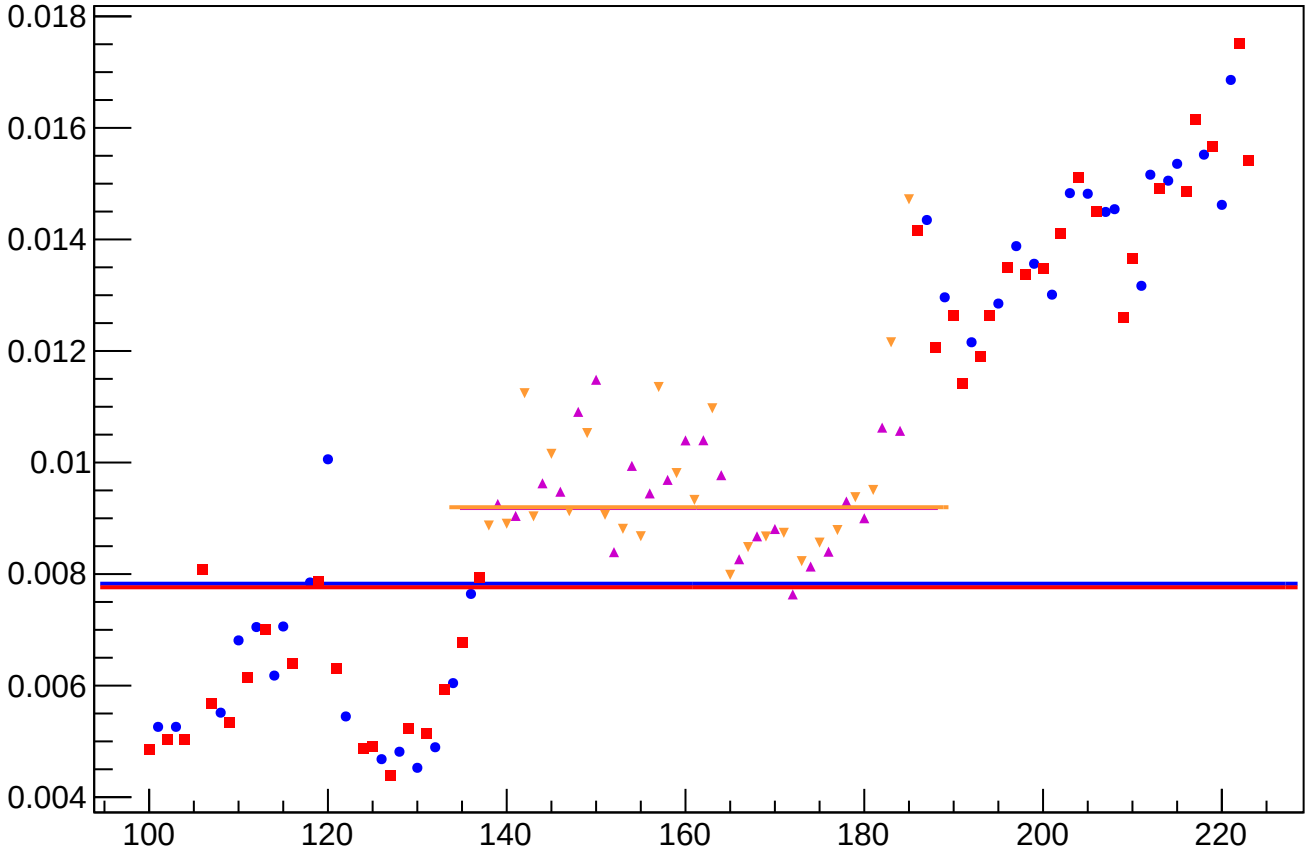
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.153+/-0.000 χ^2/NDF: 143559867152.2/58

All: -6.146+/-0.000 χ^2/NDF: 268417005656.7

- sign -6.139+/-0.000 χ^2/NDF: 124813045331.7/61

yield_bpm0l01Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8388789.9/33

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

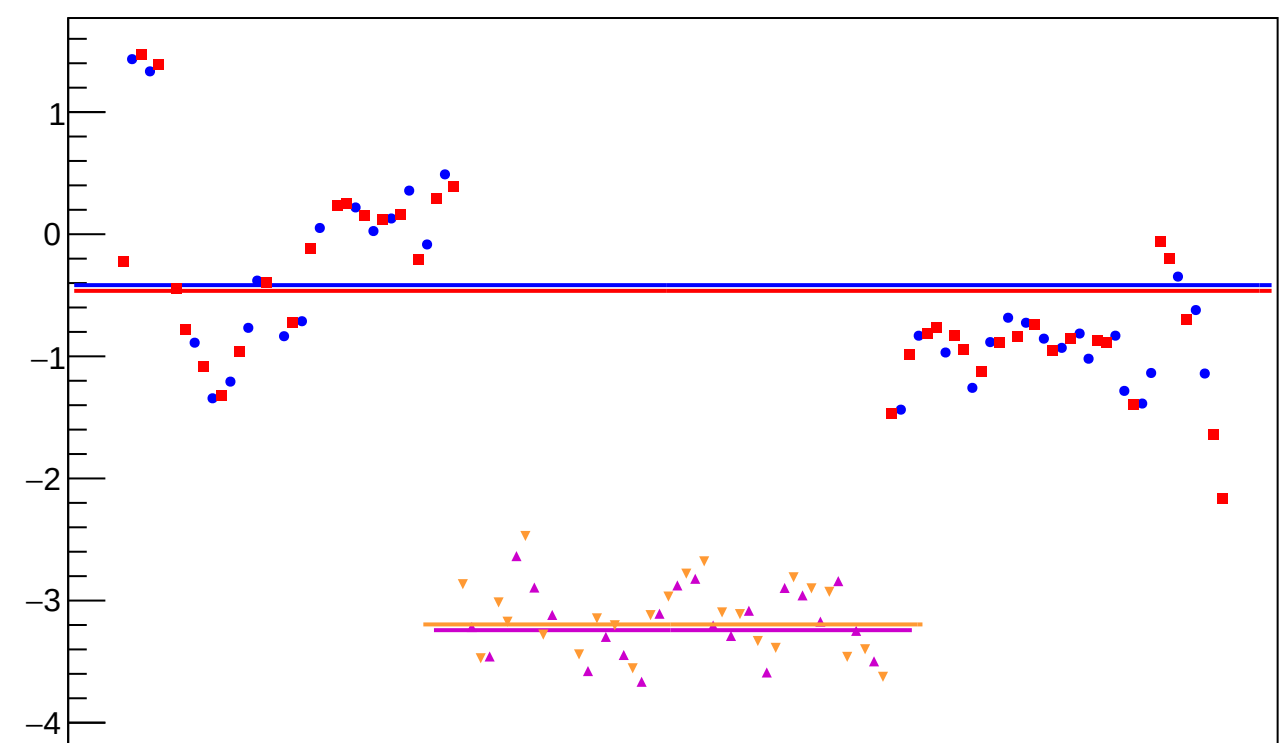
Right Out: 0.008+/-0.000 χ^2/NDF: 8357020.8/38

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 9175746.0/58

All: 0.008+/-0.000 χ^2/NDF: 18306444.0/120

- sign 0.008+/-0.000 χ^2/NDF: 9127618.9/61



Right In: -0.417+/-0.000 χ^2/NDF: 40681352614.7/33

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.464+/-0.000 χ^2/NDF: 41860461208.2/38

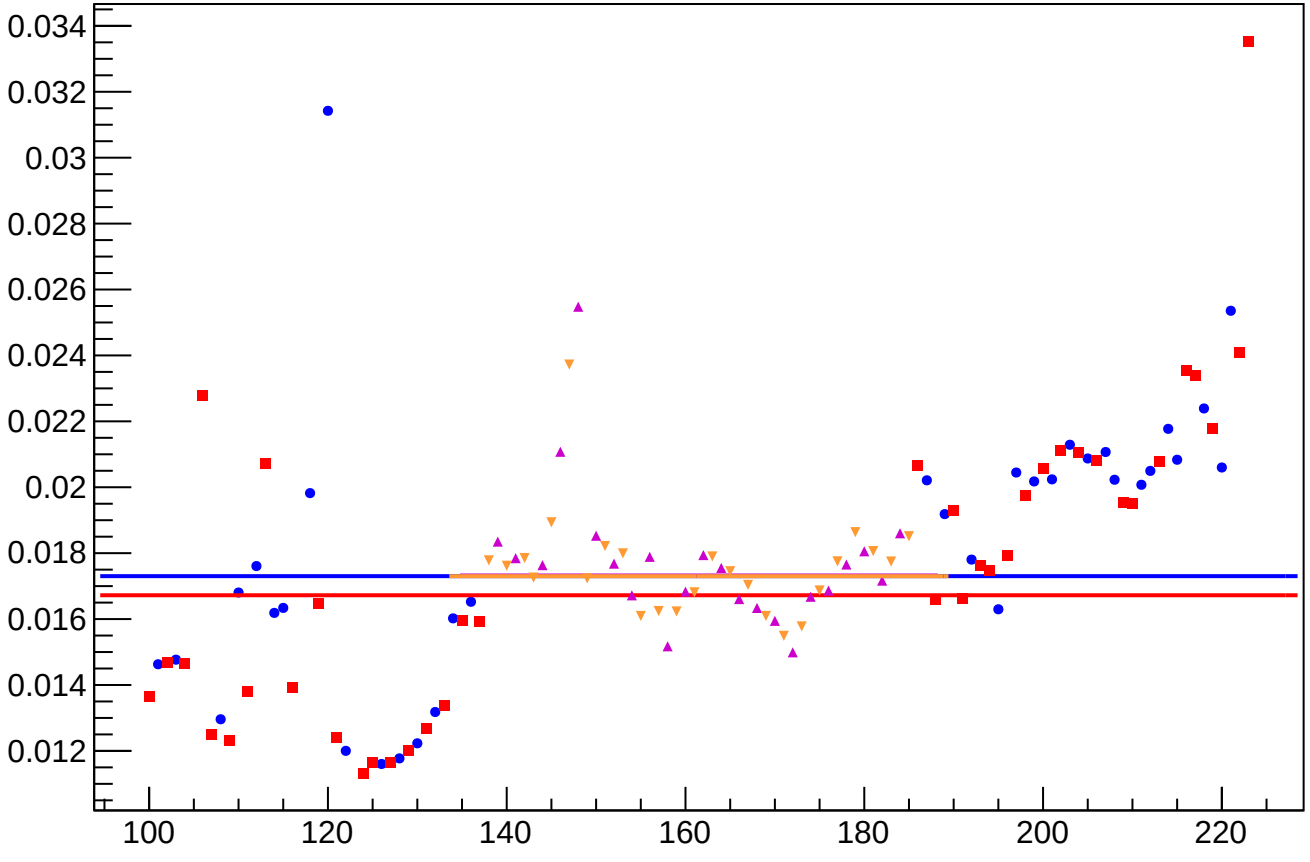
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.754+/-0.000 χ^2/NDF: 298714217060.5/58

All: -1.720+/-0.000 χ^2/NDF: 601471049706.9

- sign -1.686+/-0.000 χ^2/NDF: 302447591766.0/61

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 1984238.4/33

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.017+/-0.000 χ^2/NDF: 2341856.3/38

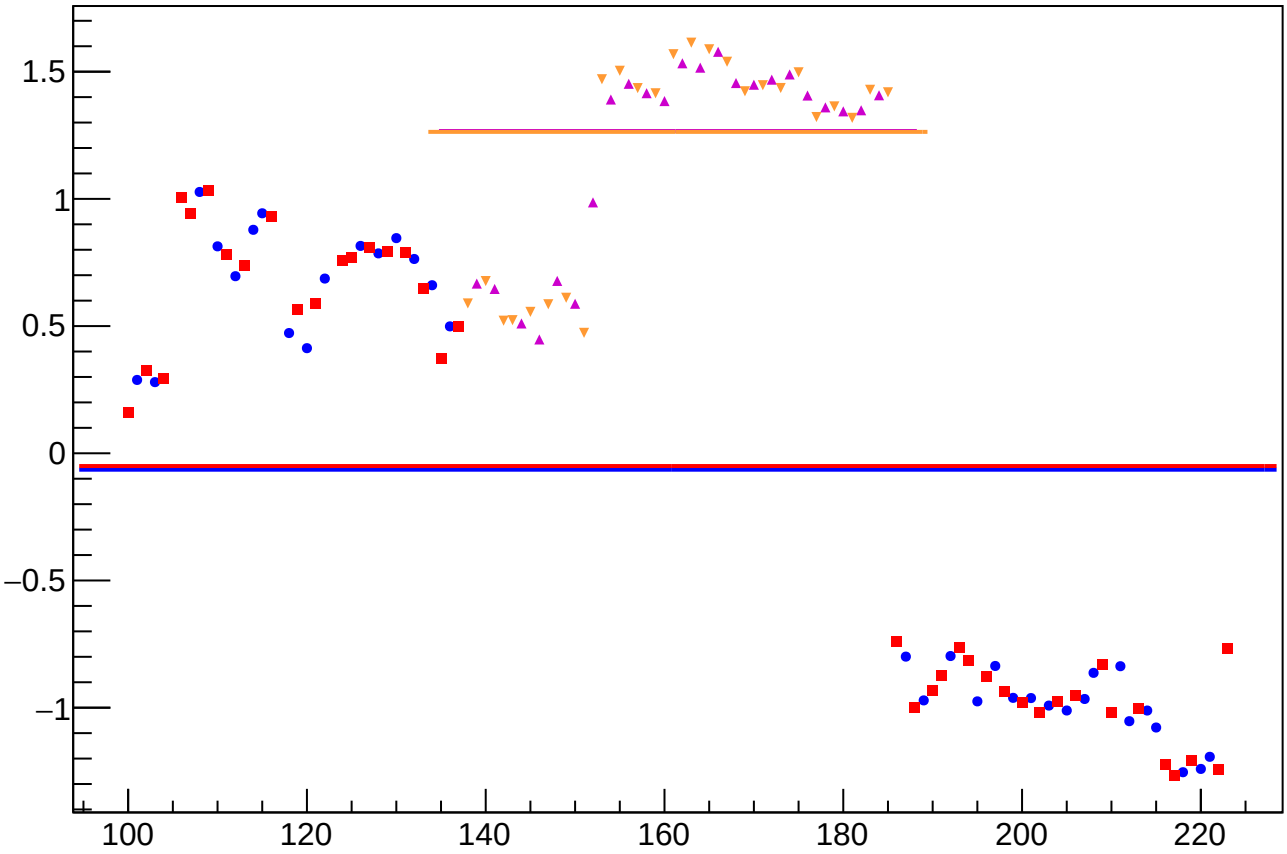
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 2202268.5/58

All: 0.017+/-0.000 χ^2/NDF: 4910581.8/120

- sign 0.017+/-0.000 χ^2/NDF: 2695308.3/61

yield_bpm0l02Y_mean vs Slug



Right In: -0.064+/-0.000 χ^2/NDF: 108460898271.6/33

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: -0.050+/-0.000 χ^2/NDF: 118410613024.7/38

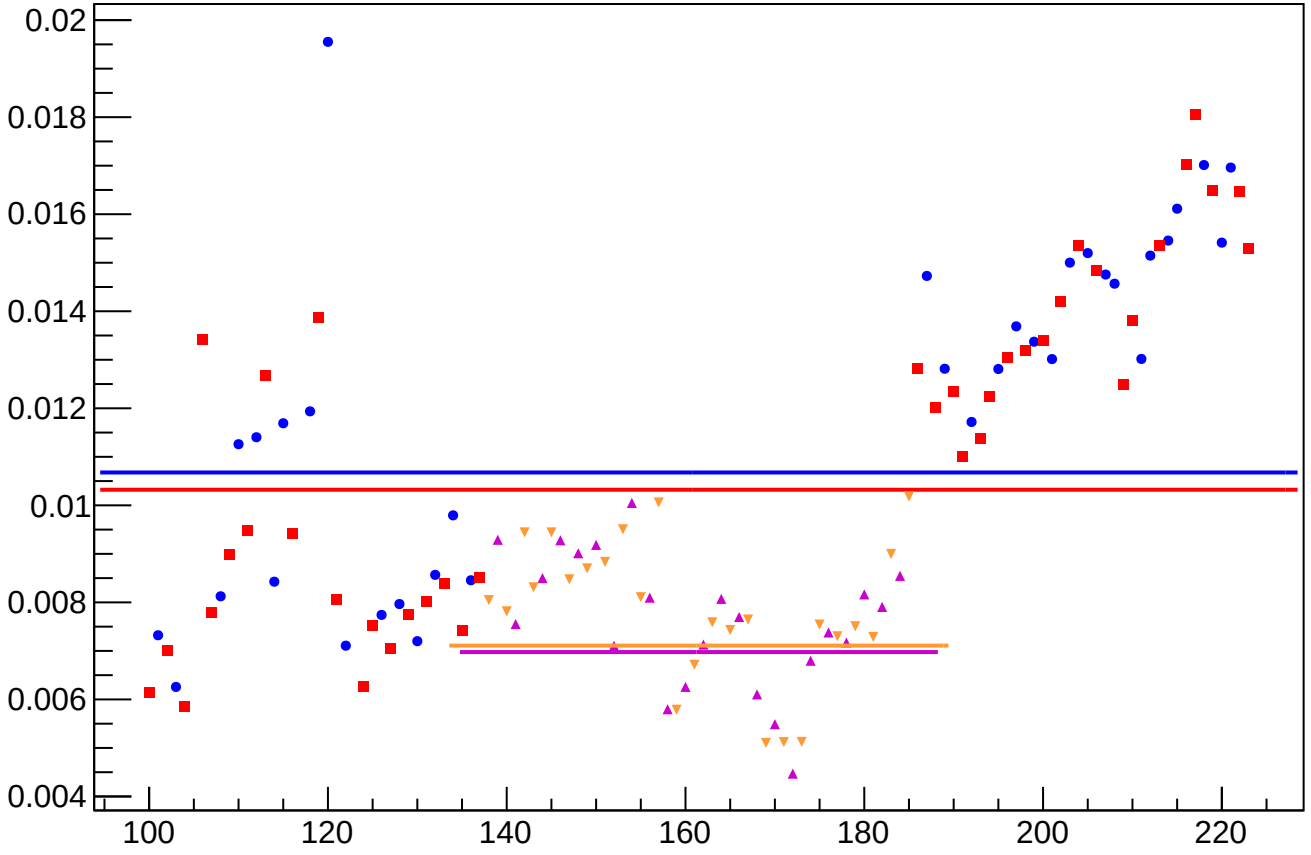
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.828+/-0.000 χ^2/NDF: 348760364414.6/58

All: 0.814+/-0.000 χ^2/NDF: 709586520275.3

- sign 0.801+/-0.000 χ^2/NDF: 360649970811.2/61

yield_bpm0l02Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 3979402.7/33

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 4228286.2/38

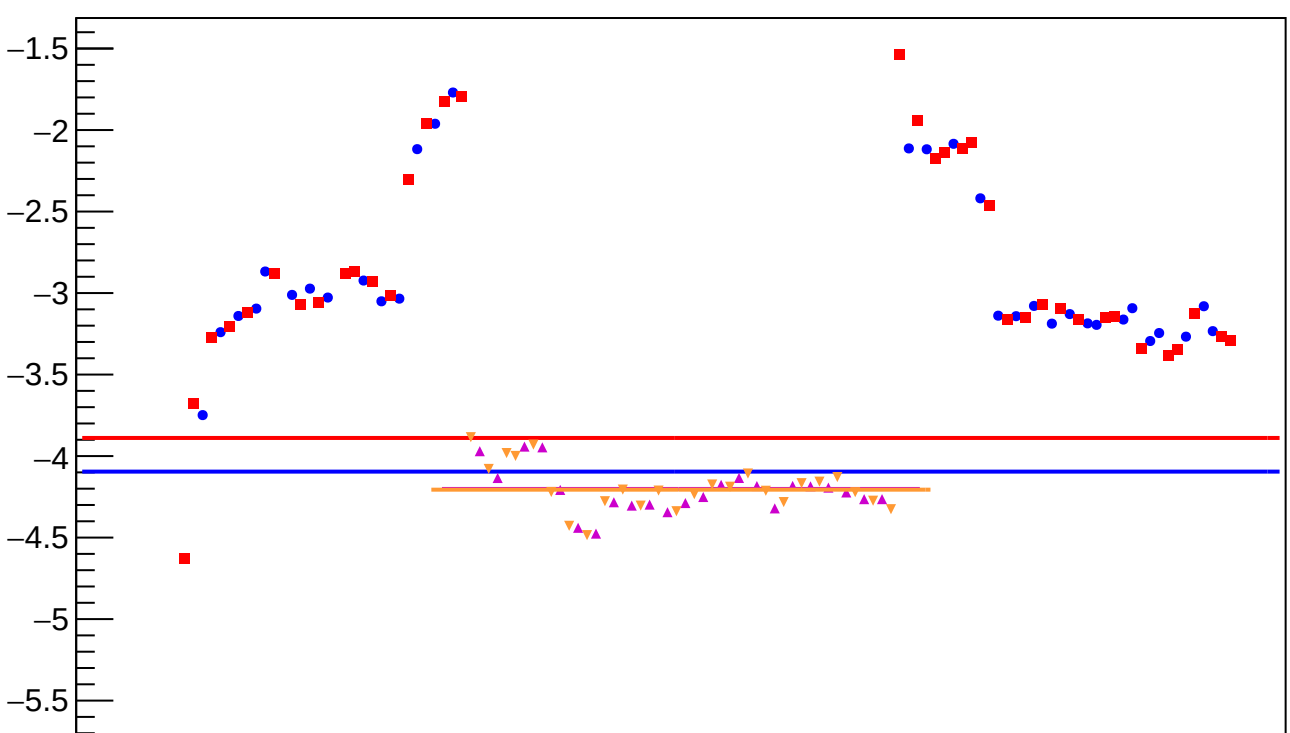
Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 8310018.3/58

All: 0.008+/-0.000 χ^2/NDF: 16643168.6/120

- sign 0.008+/-0.000 χ^2/NDF: 8325642.1/61

yield_bpm0l03X_mean vs Slug



Right In: -4.095+/-0.000 χ^2/NDF: 314090680452.4/33

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -3.889+/-0.000 χ^2/NDF: 314776337048.8/38

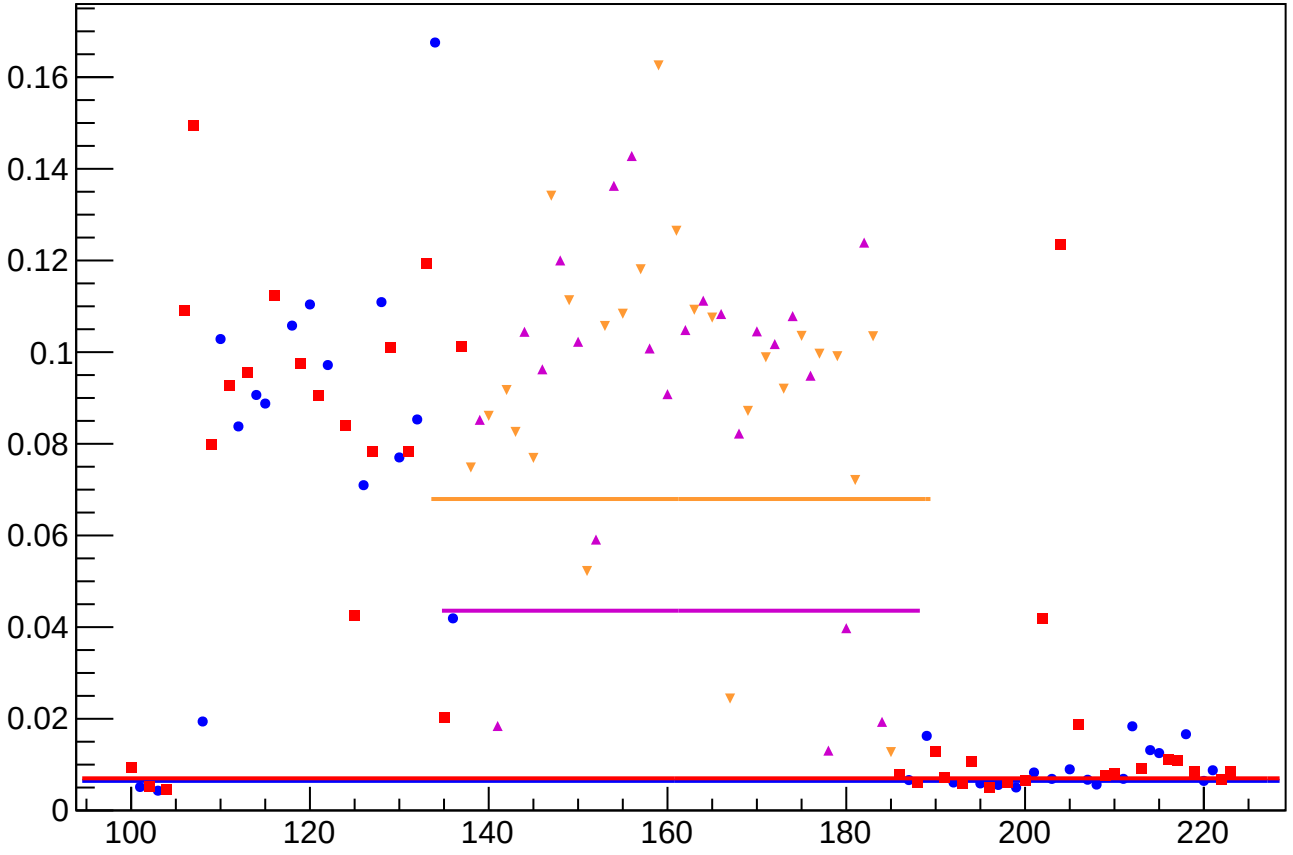
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.097+/-0.000 χ^2/NDF: 314184257390.9/58

All: -4.006+/-0.000 χ^2/NDF: 631904801076.9

- sign -3.900+/-0.000 χ^2/NDF: 315205903864.3/61

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 9660436.1/33

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10928665.0/38

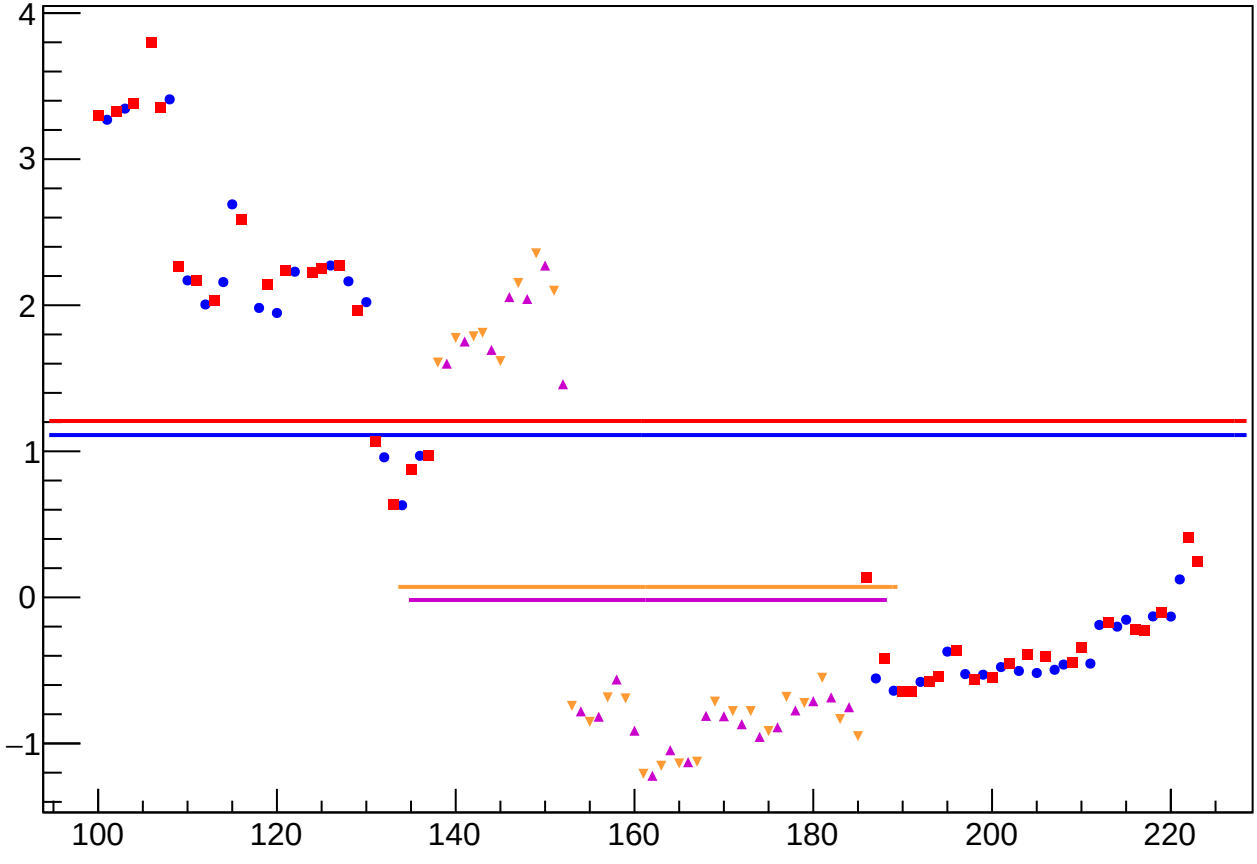
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 37032377.9/58

All: 0.008+/-0.000 χ^2/NDF: 71344206.6/120

- sign 0.008+/-0.000 χ^2/NDF: 34262461.1/61

yield_bpm0l03Y_mean vs Slug



Right In: 1.111+/-0.000 χ^2/NDF: 249105863011.1/33

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.208+/-0.000 χ^2/NDF: 226877847852.0/38

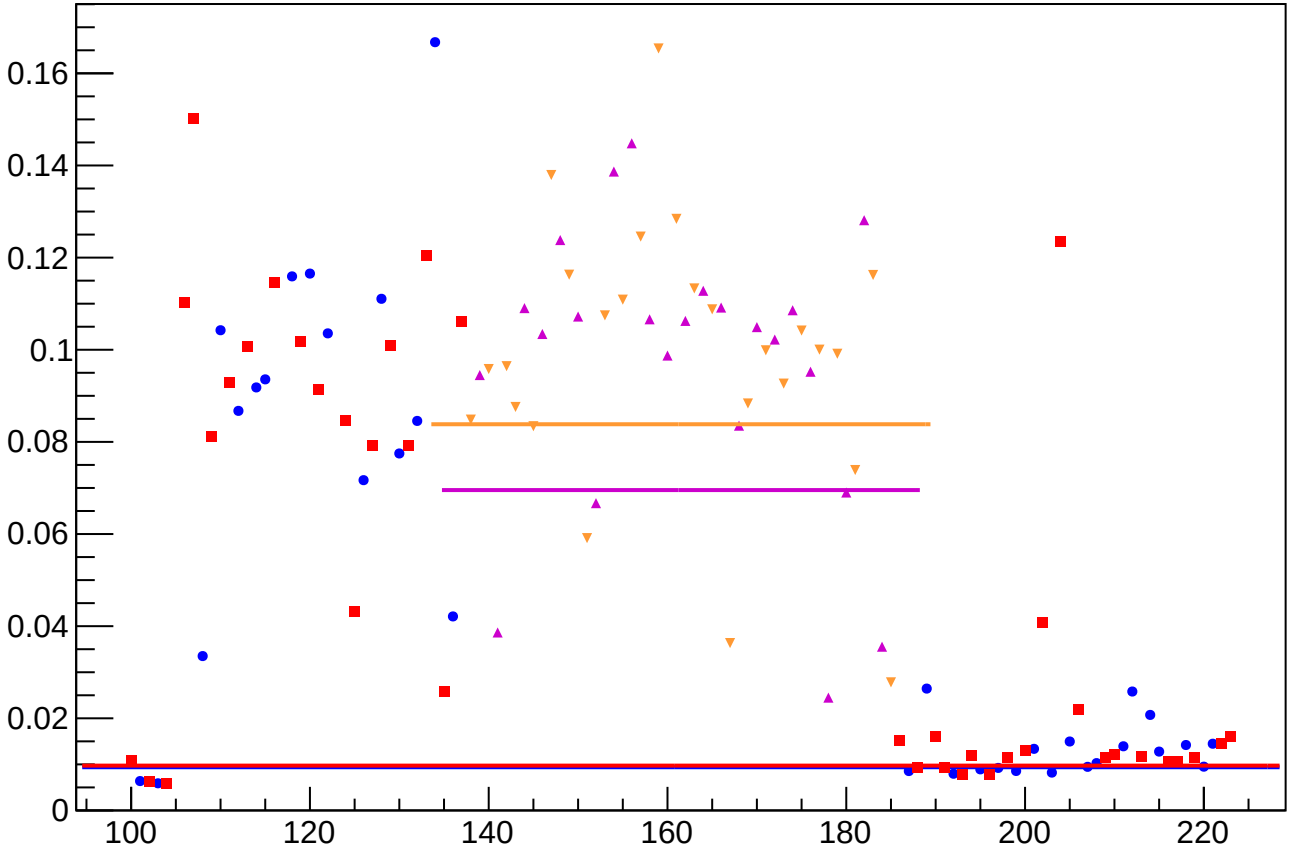
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.083+/-0.000 χ^2/NDF: 254904836414.3/58

All: 1.123+/-0.000 χ^2/NDF: 488947063329.6

- sign 1.167+/-0.000 χ^2/NDF: 233785631804.8/61

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 9494894.6/33

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

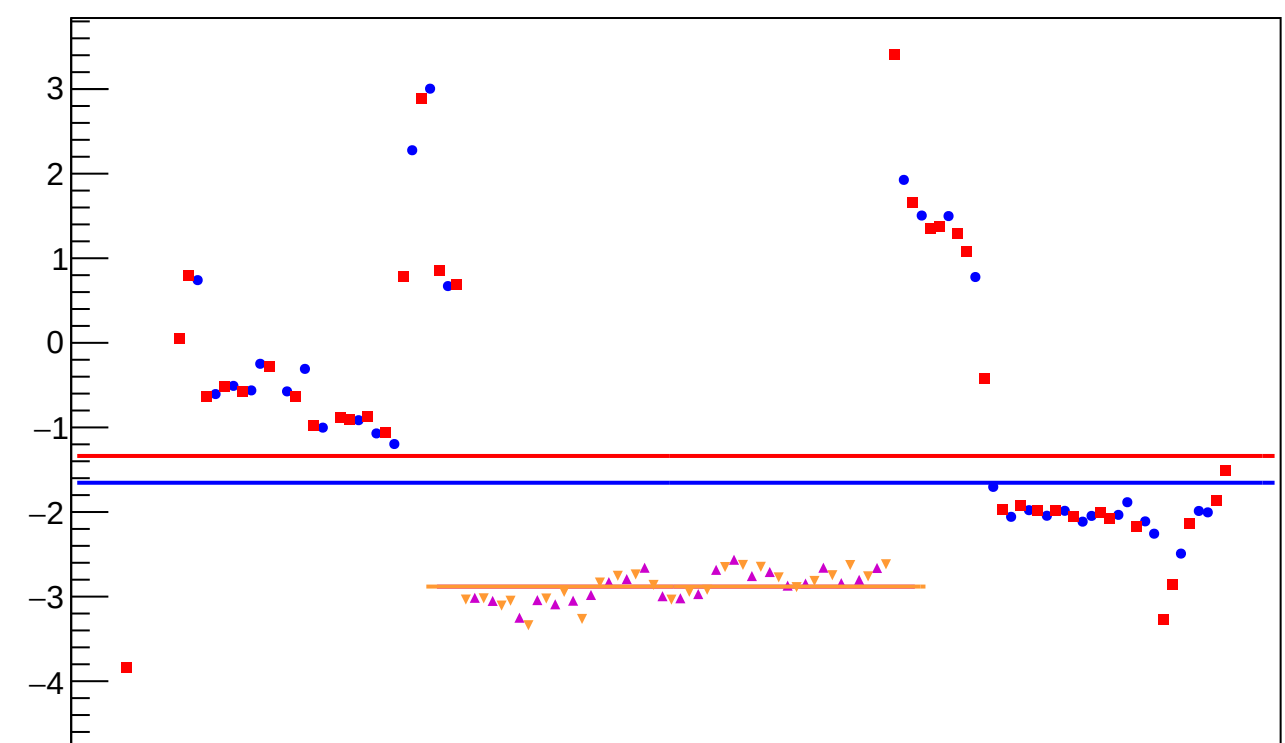
Right Out: 0.010+/-0.000 χ^2/NDF: 10733121.4/38

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35521841.9/58

All: 0.012+/-0.000 χ^2/NDF: 69405864.0/120

- sign 0.012+/-0.000 χ^2/NDF: 33874599.8/61



Right In: -1.654+/-0.000 χ^2/NDF: 211341904656.0/33

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.337+/-0.000 χ^2/NDF: 246367743268.8/38

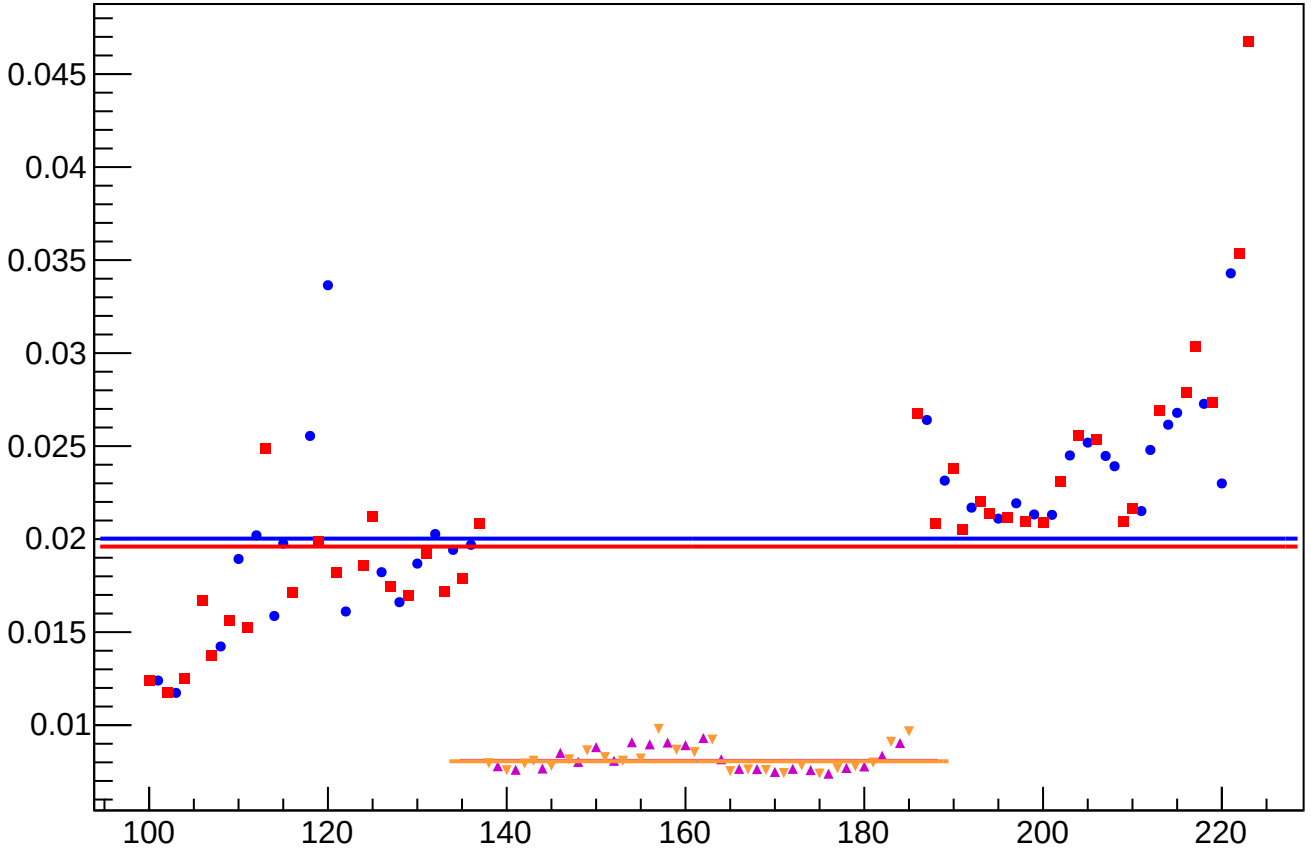
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.705+/-0.000 χ^2/NDF: 283205365207.4/58

All: -2.670+/-0.000 χ^2/NDF: 641947193657.5

- sign -2.633+/-0.000 χ^2/NDF: 357886718370.1/61

yield_bpm0l04X_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 2486134.9/33

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.020+/-0.000 χ^2/NDF: 2860943.6/38

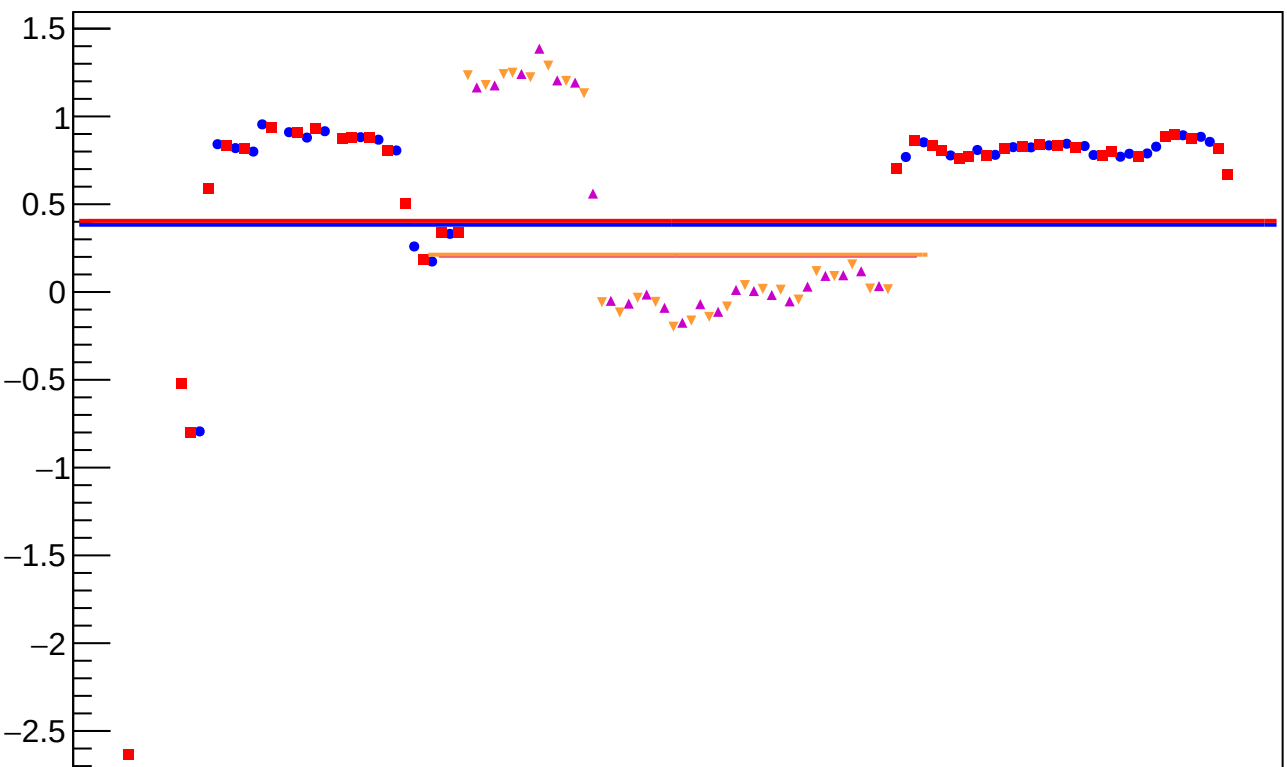
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 14333831.9/58

All: 0.010+/-0.000 χ^2/NDF: 28863640.3/120

- sign 0.010+/-0.000 χ^2/NDF: 14520916.0/61

yield_bpm0l04Y_mean vs Slug



Right In: 0.383+/-0.000 χ^2/NDF: 996662338560.1/33

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.405+/-0.000 χ^2/NDF: 1077880917303.4/38

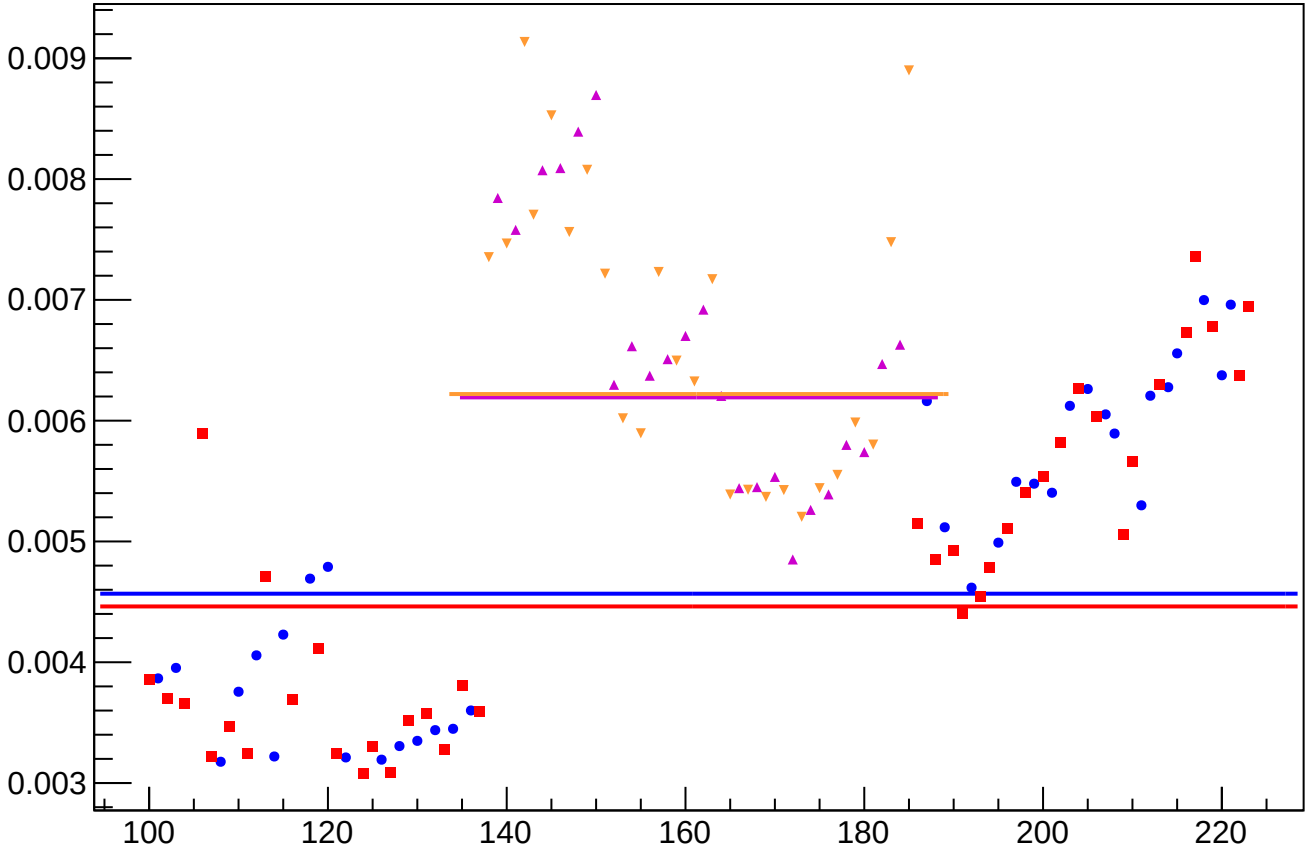
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.330+/-0.000 χ^2/NDF: 1108075582966.9/58

All: 0.340+/-0.000 χ^2/NDF: 2284881367316.

- sign 0.349+/-0.000 χ^2/NDF: 1176553472119.9/61

yield_bpm0l04Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2773417.5/33

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

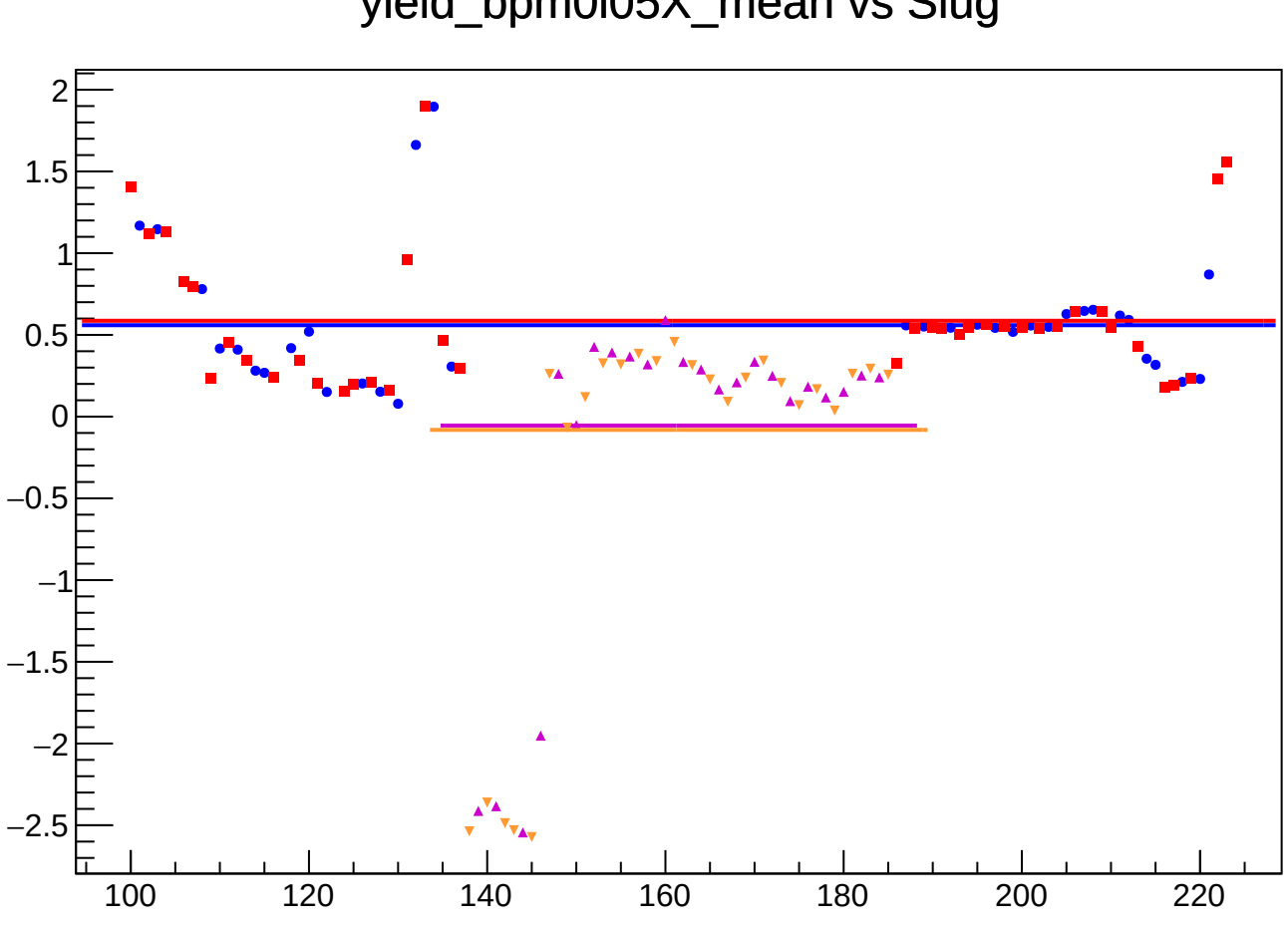
Right Out: 0.004+/-0.000 χ^2/NDF: 2852293.2/38

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 5203208.8/58

All: 0.005+/-0.000 χ^2/NDF: 10662343.7/120

- sign 0.005+/-0.000 χ^2/NDF: 5436166.4/61



Right In: 0.559+/-0.000 χ^2/NDF: 74779627855.2/33

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.586+/-0.000 χ^2/NDF: 147711068695.4/38

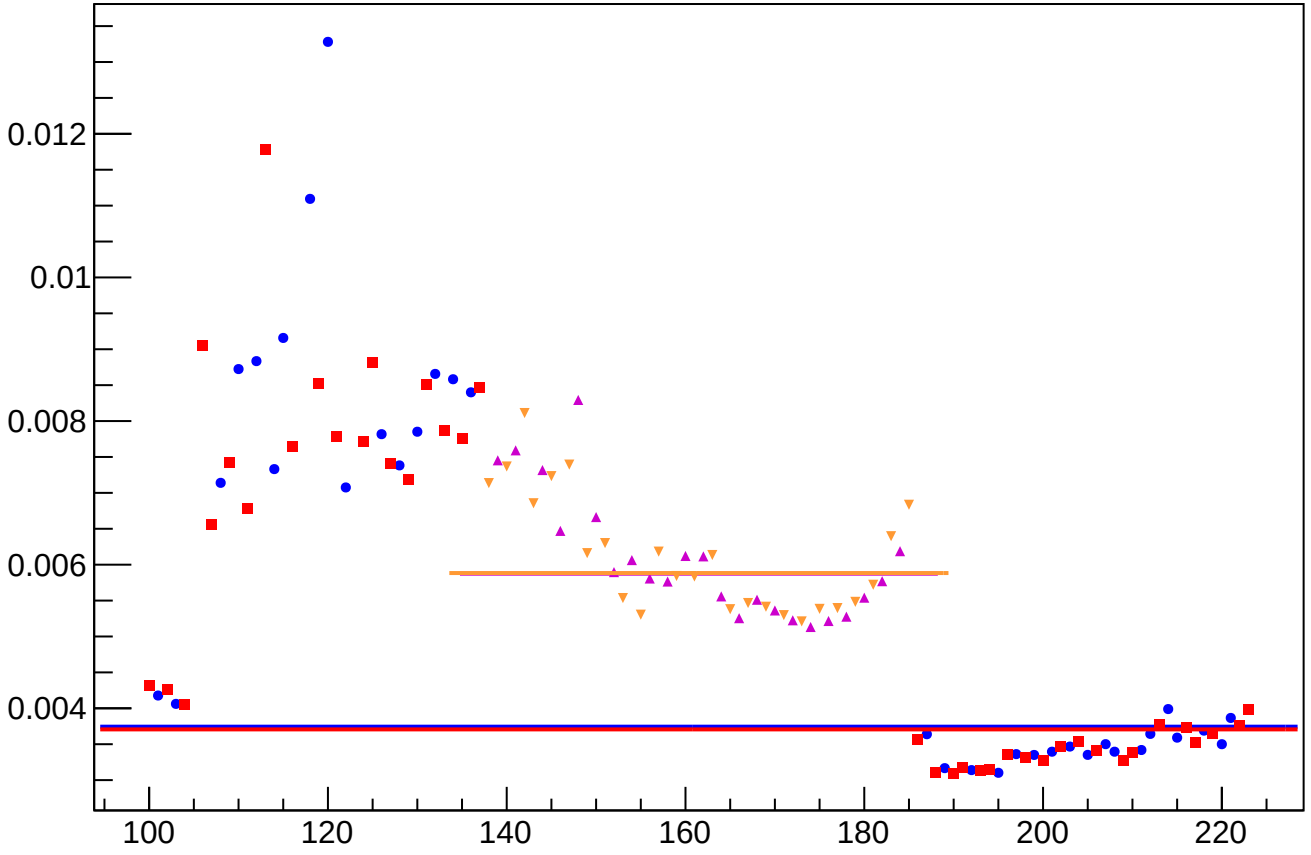
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.384+/-0.000 χ^2/NDF: 613952823519.1/58

All: 0.405+/-0.000 χ^2/NDF: 1259409956670.

- sign 0.425+/-0.000 χ^2/NDF: 643837024559.6/61

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3506335.9/33

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

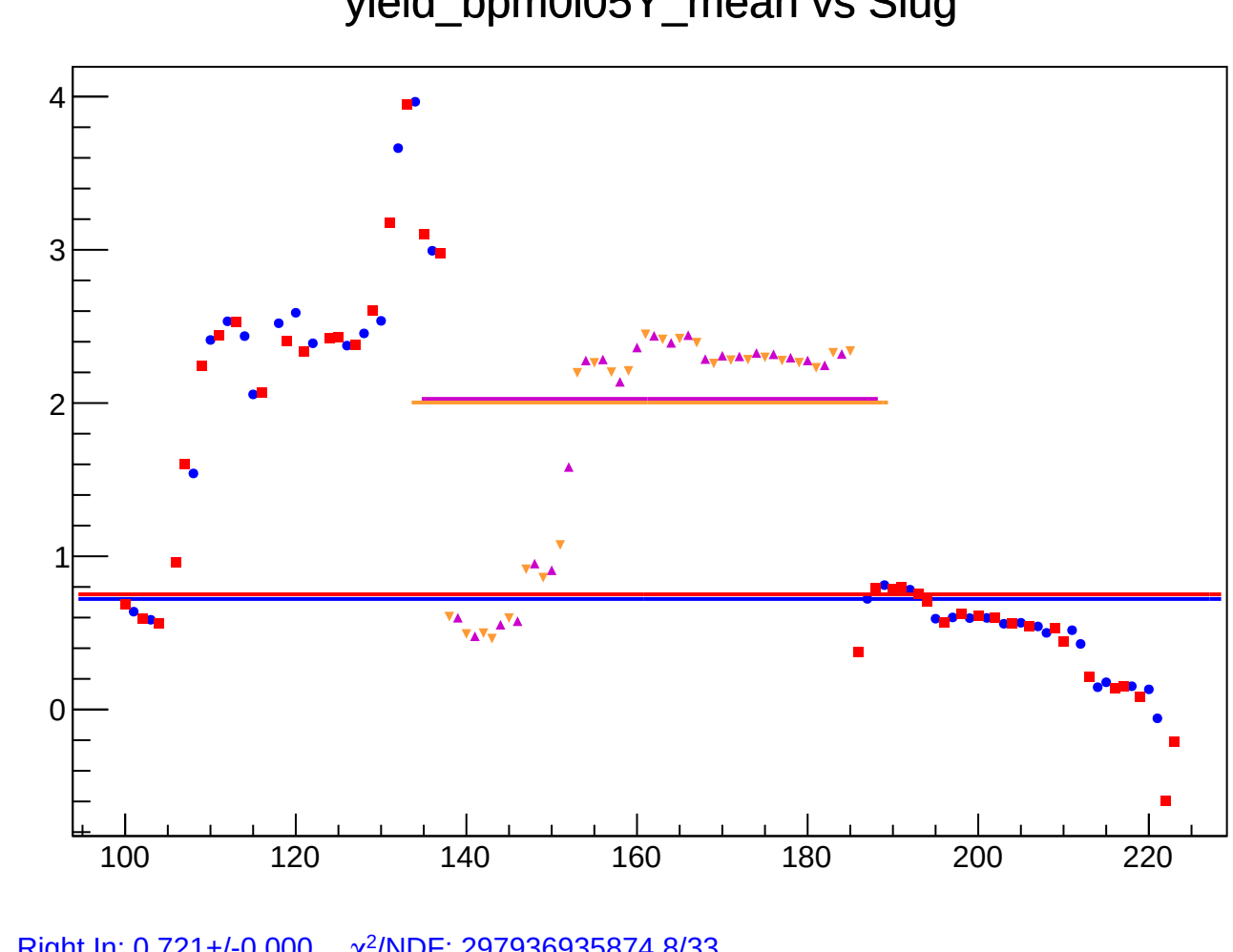
Right Out: 0.004+/-0.000 χ^2/NDF: 3489554.7/38

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 7330544.8/58

All: 0.004+/-0.000 χ^2/NDF: 14765570.6/120

- sign 0.004+/-0.000 χ^2/NDF: 7423309.6/61



Right In: 0.721+/-0.000 χ^2/NDF: 297936935874.8/33

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.752+/-0.000 χ^2/NDF: 337177401589.8/38

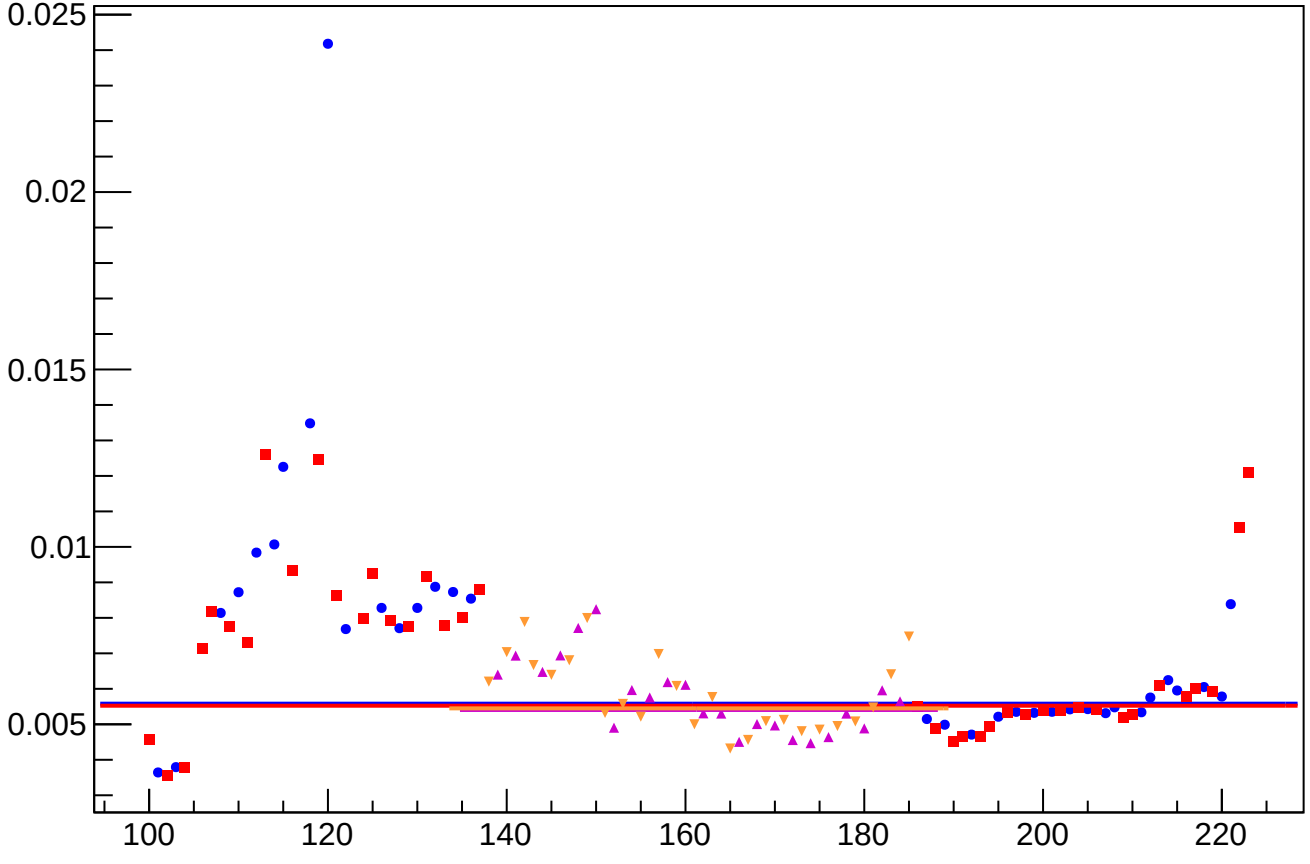
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.328+/-0.000 χ^2/NDF: 994568175675.8/58

All: 1.326+/-0.000 χ^2/NDF: 2003032191991.

- sign 1.324+/-0.000 χ^2/NDF: 1008451042996.9/61

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2573056.6/33

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2825311.9/38

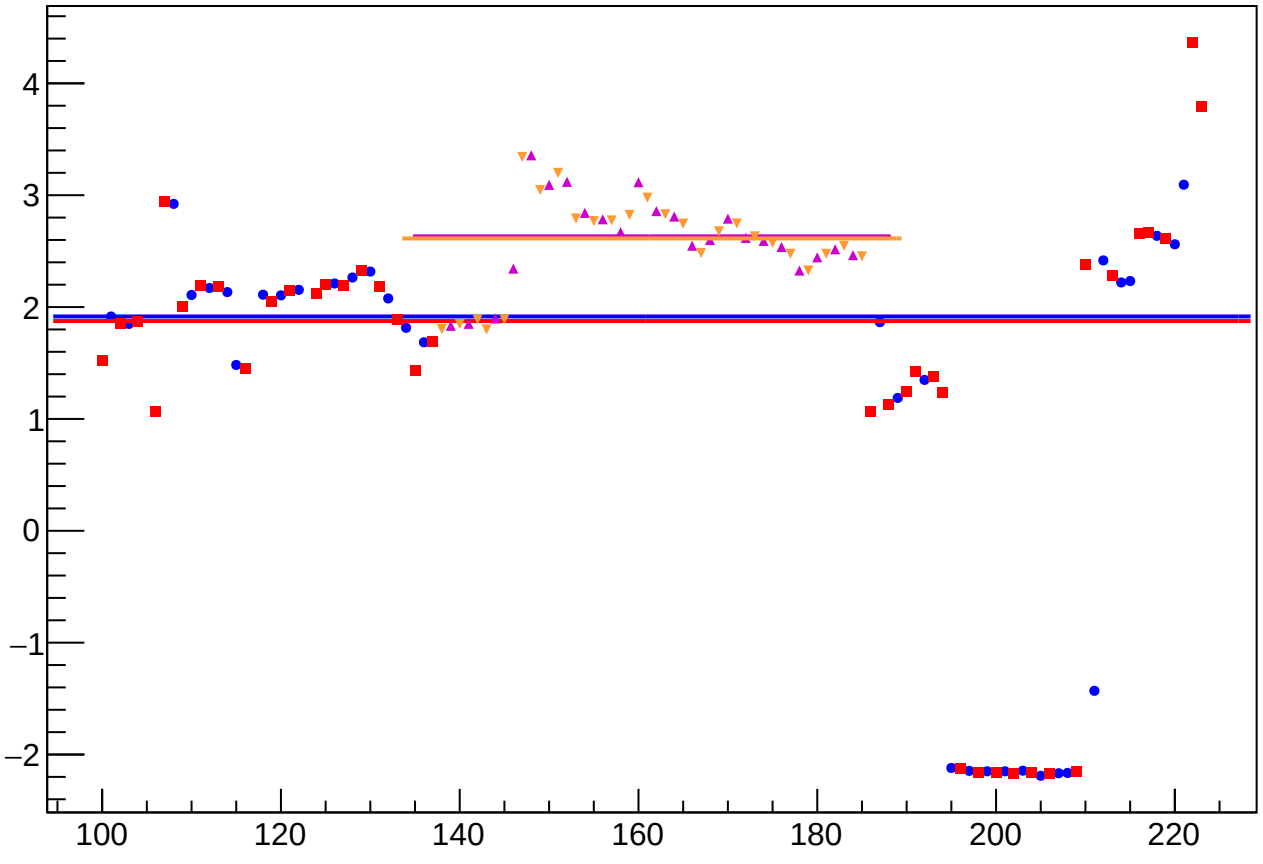
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 3354648.1/58

All: 0.005+/-0.000 χ^2/NDF: 7006129.6/120

- sign 0.005+/-0.000 χ^2/NDF: 3648767.0/61

yield_bpm0l06X_mean vs Slug



Right In: 1.916+/-0.000 χ^2/NDF: 200646042122.5/33

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.875+/-0.000 χ^2/NDF: 208373088145.6/38

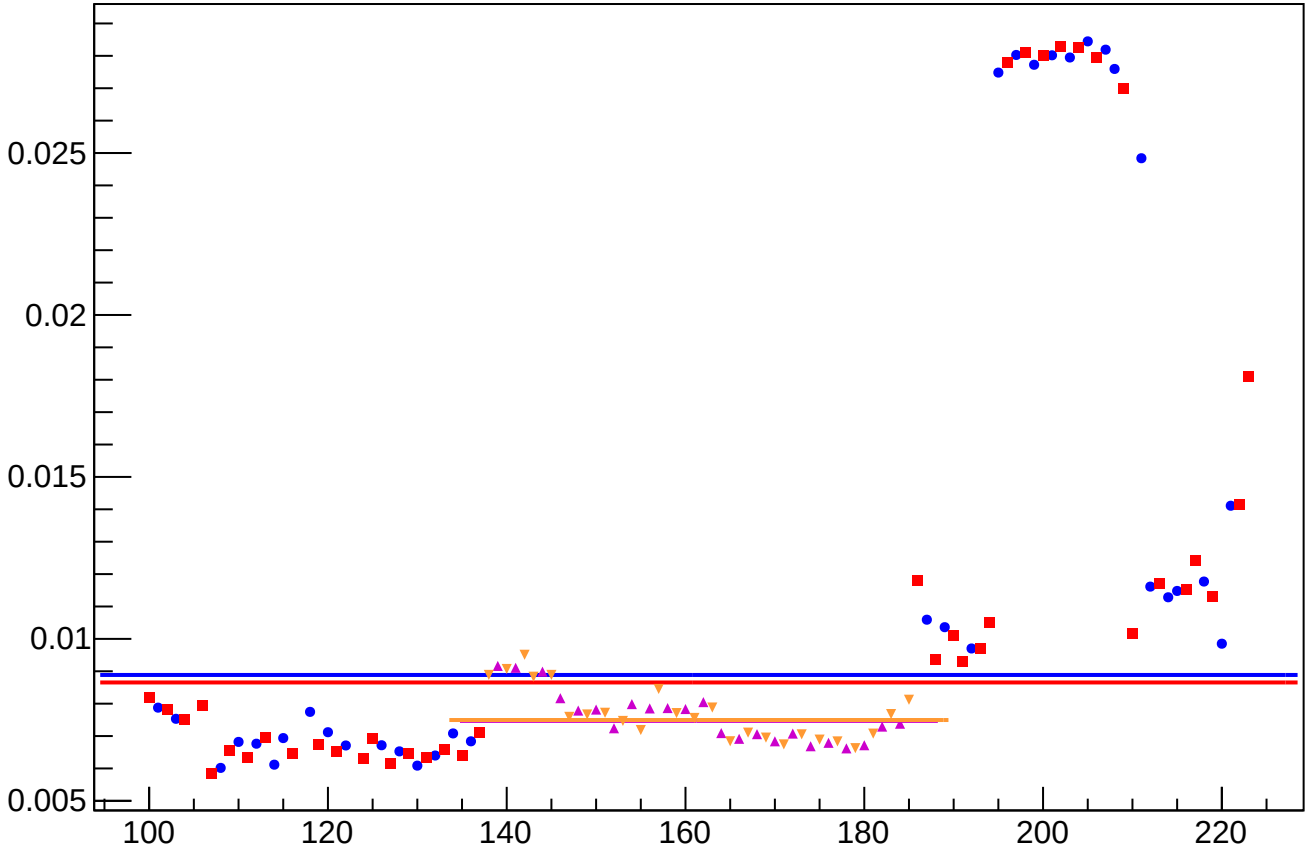
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.337+/-0.000 χ^2/NDF: 309286085411.8/58

All: 2.320+/-0.000 χ^2/NDF: 635614494734.2

- sign 2.304+/-0.000 χ^2/NDF: 326028362580.1/61

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 9042553.5/33

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8283410.8/38

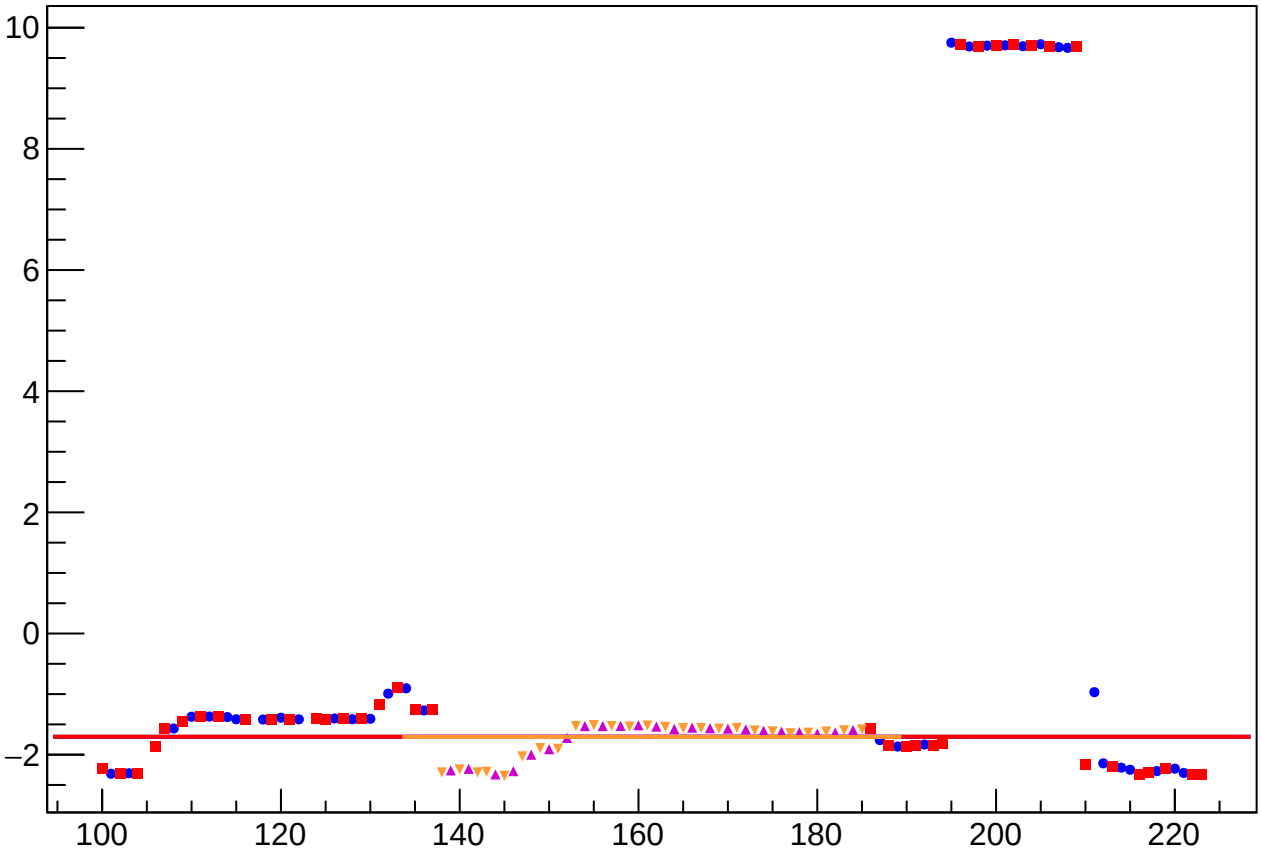
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 9870383.3/58

All: 0.008+/-0.000 χ^2/NDF: 18857069.5/120

- sign 0.008+/-0.000 χ^2/NDF: 8984478.2/61

yield_bpm0l06Y_mean vs Slug



Right In: -1.705+/-0.000 χ^2/NDF: 515444180454.9/33

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.704+/-0.000 χ^2/NDF: 495186334753.8/38

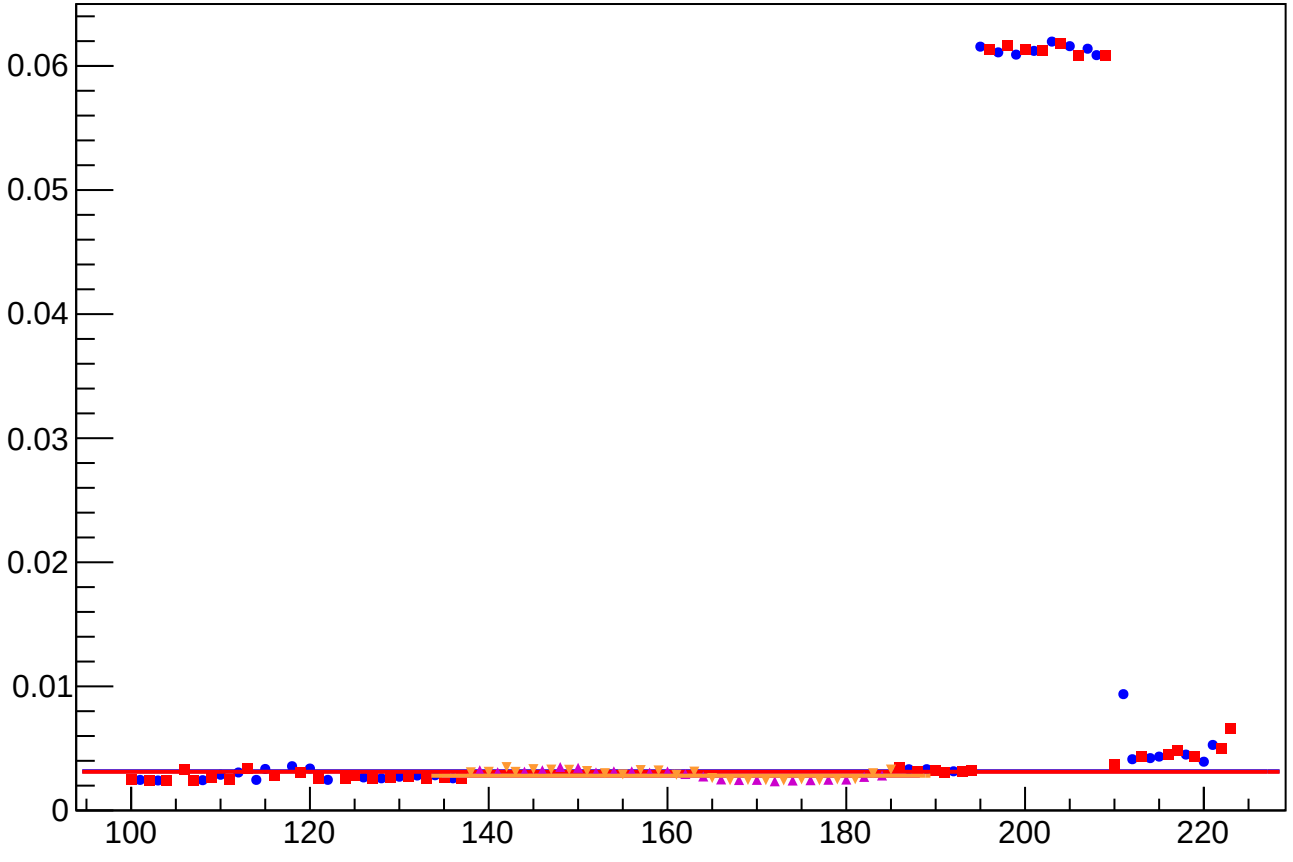
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.706+/-0.000 χ^2/NDF: 667297469992.9/58

All: -1.706+/-0.000 χ^2/NDF: 1299031432458

- sign -1.705+/-0.000 χ^2/NDF: 631728790486.5/61

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 14025449.7/33

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

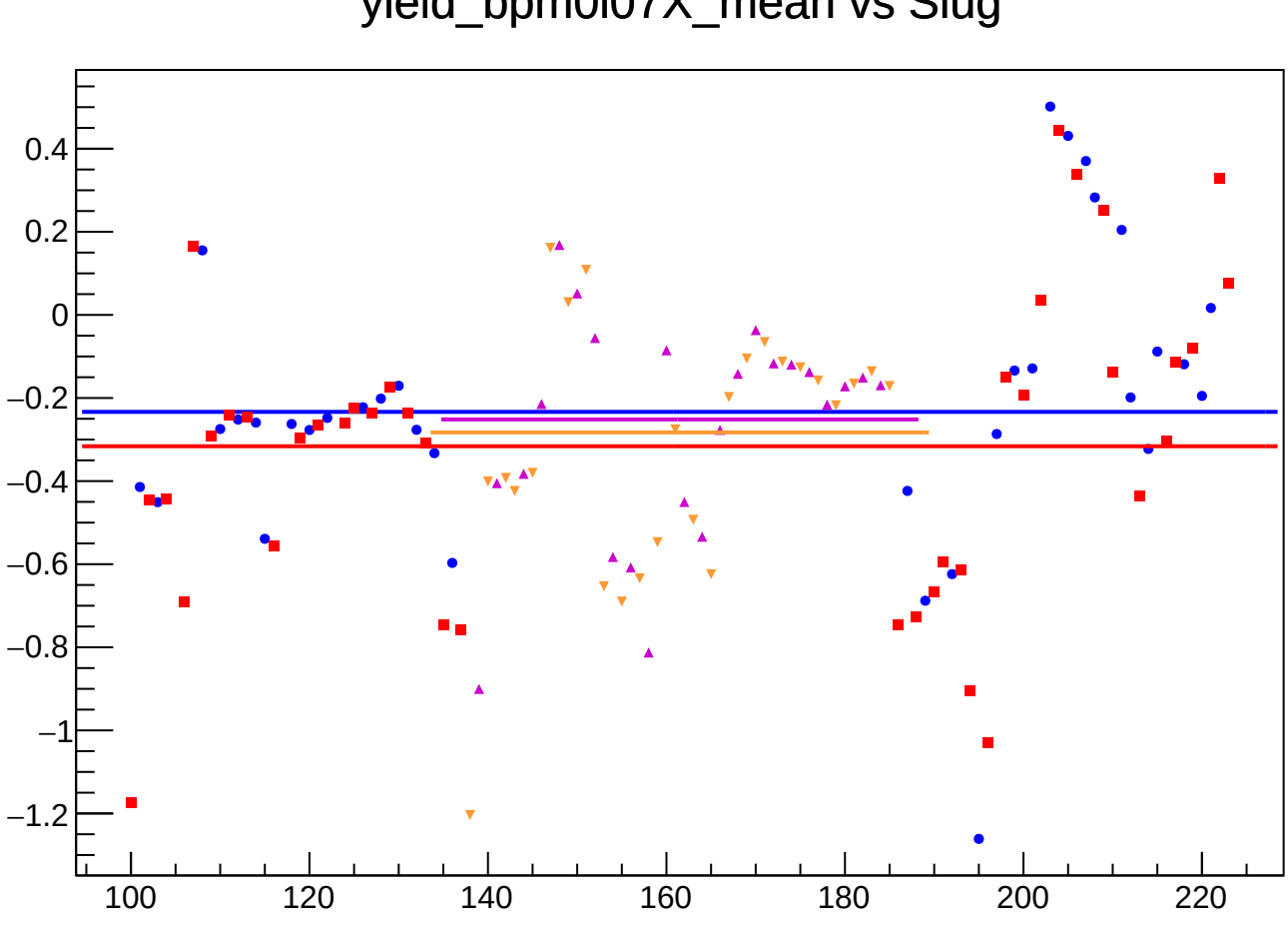
Right Out: 0.003+/-0.000 χ^2/NDF: 12798202.3/38

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

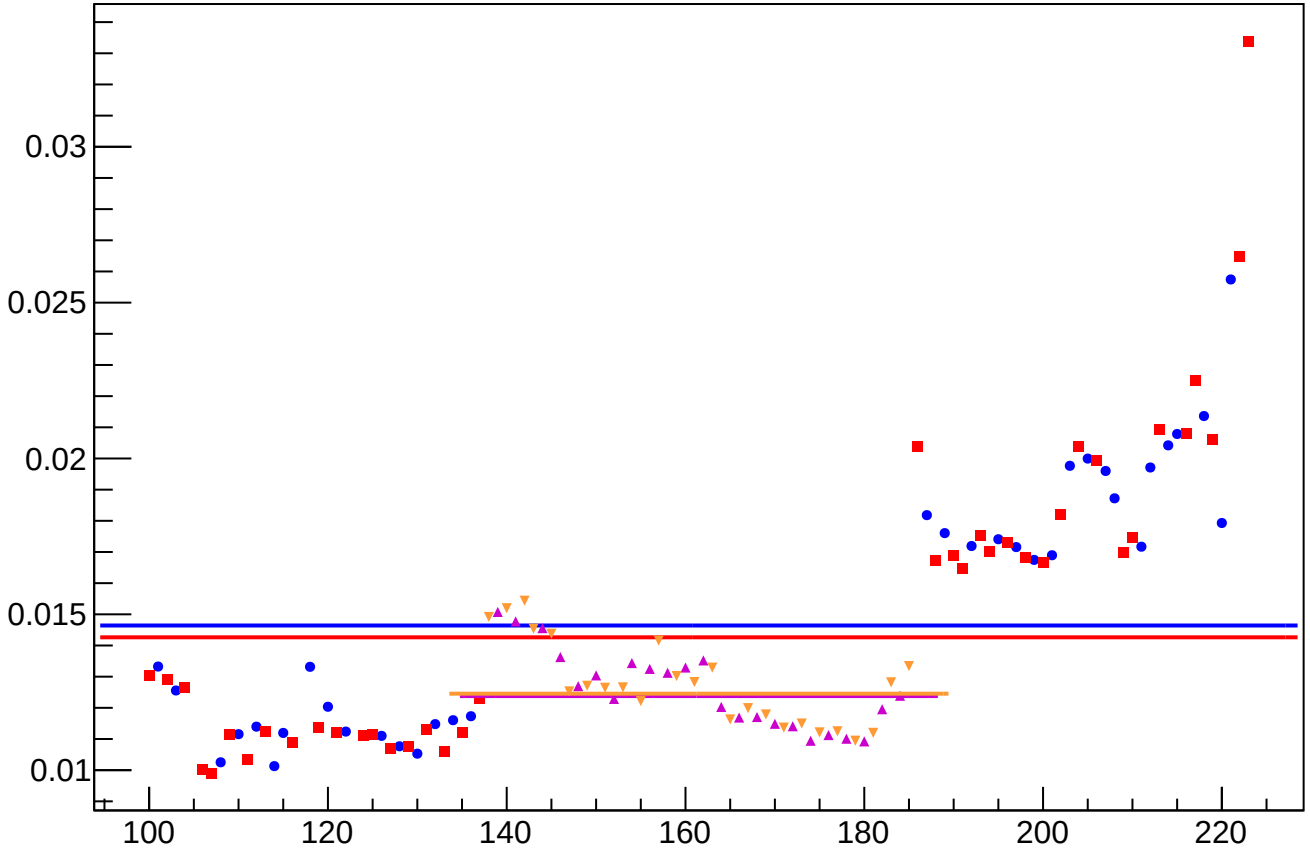
+ sign 0.003+/-0.000 χ^2/NDF: 14799225.2/58

All: 0.003+/-0.000 χ^2/NDF: 28356865.6/120

- sign 0.003+/-0.000 χ^2/NDF: 13557290.9/61


yield_bpm0l07X_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
120
140
160
180
200
220
Right In: -0.233+/-0.000 χ²/NDF: 9889806573.8/33
Left Out: -0.283+/-0.000 χ²/NDF:9343511244.8/24
Right Out: -0.316+/-0.000 χ²/NDF: 10659669677.8/38
Left In: -0.252+/-0.000 χ²/NDF:7167367678.6/22
+ sign -0.261+/-0.000 χ²/NDF: 19359921621.3/58
All: -0.272+/-0.000 χ²/NDF: 37454534884.1/
- sign -0.282+/-0.000 χ²/NDF: 18048561726.2/61

yield_bpm0l07X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2727583.6/33

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3358733.3/38

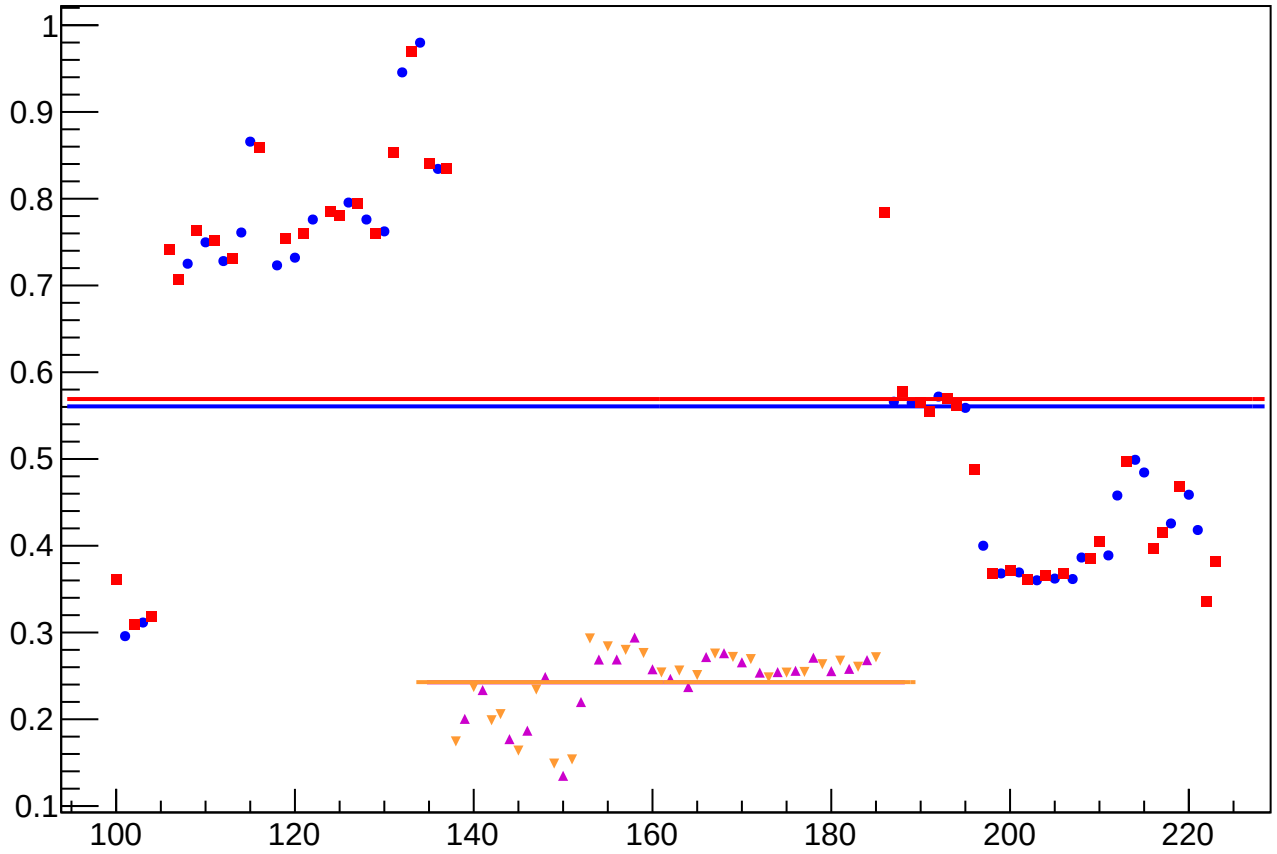
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 3564424.4/58

All: 0.013+/-0.000 χ^2/NDF: 7632310.9/120

- sign 0.013+/-0.000 χ^2/NDF: 4062908.6/61

yield_bpm0l07Y_mean vs Slug



Right In: 0.561+/-0.000 χ^2/NDF: 101918501309.3/33

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.569+/-0.000 χ^2/NDF: 99808112949.2/38

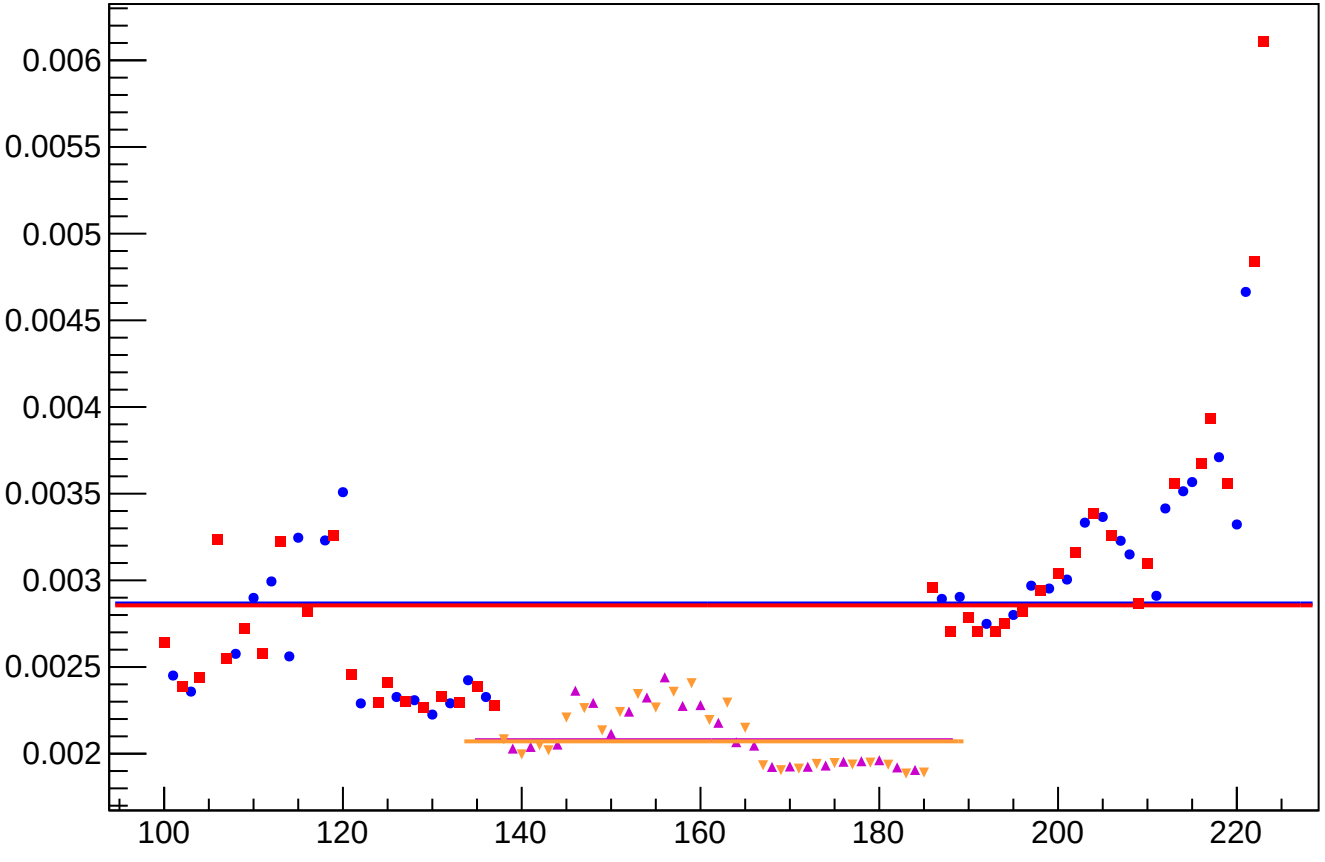
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.358+/-0.000 χ^2/NDF: 271534560309.0/58

All: 0.363+/-0.000 χ^2/NDF: 549062564548.2

- sign 0.368+/-0.000 χ^2/NDF: 277155195793.9/61

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1232890.5/33

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 1437979.6/38

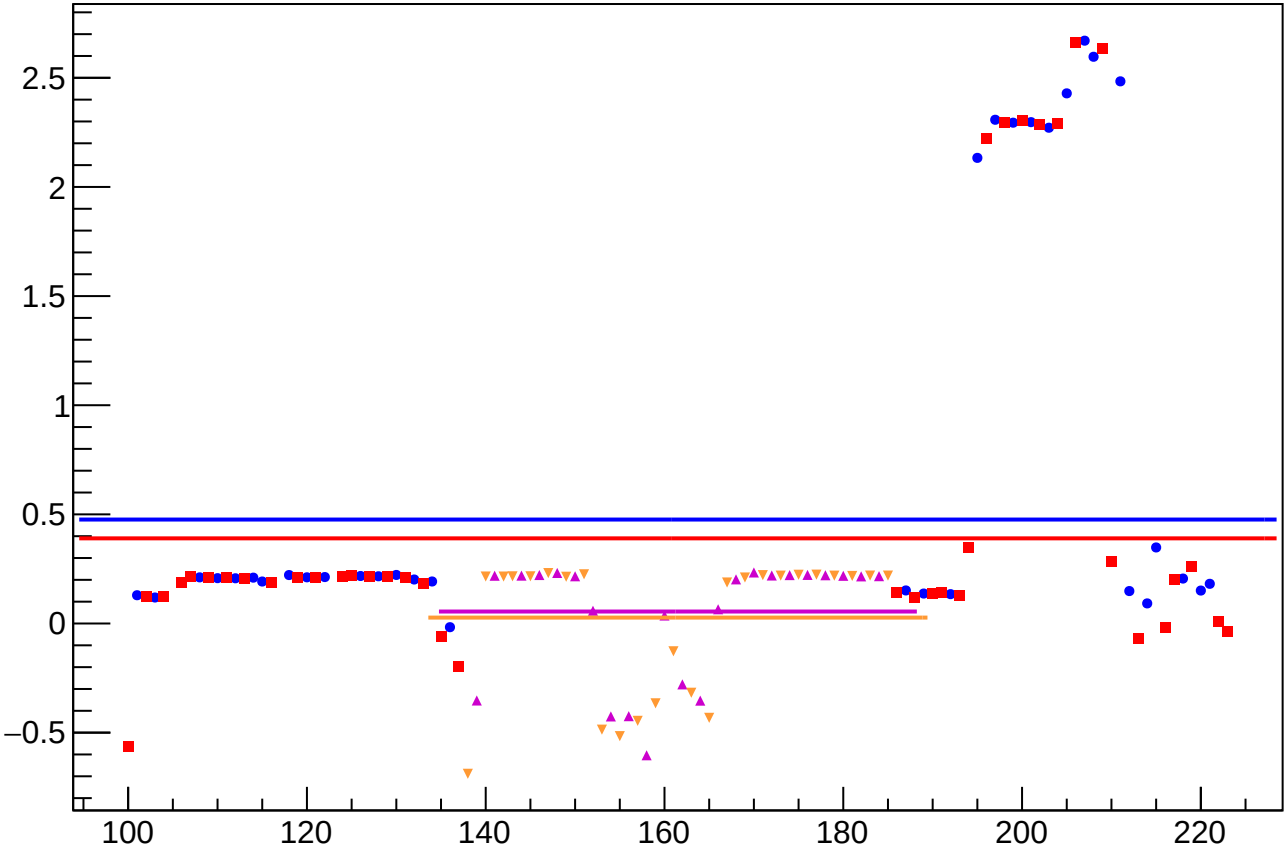
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 3499260.4/58

All: 0.002+/-0.000 χ^2/NDF: 7097988.3/120

- sign 0.002+/-0.000 χ^2/NDF: 3596453.5/61

yield_bpm0l08X_mean vs Slug



Right In: 0.476+/-0.000 χ^2/NDF: 62481317486.3/33

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.390+/-0.000 χ^2/NDF: 55574567589.7/38

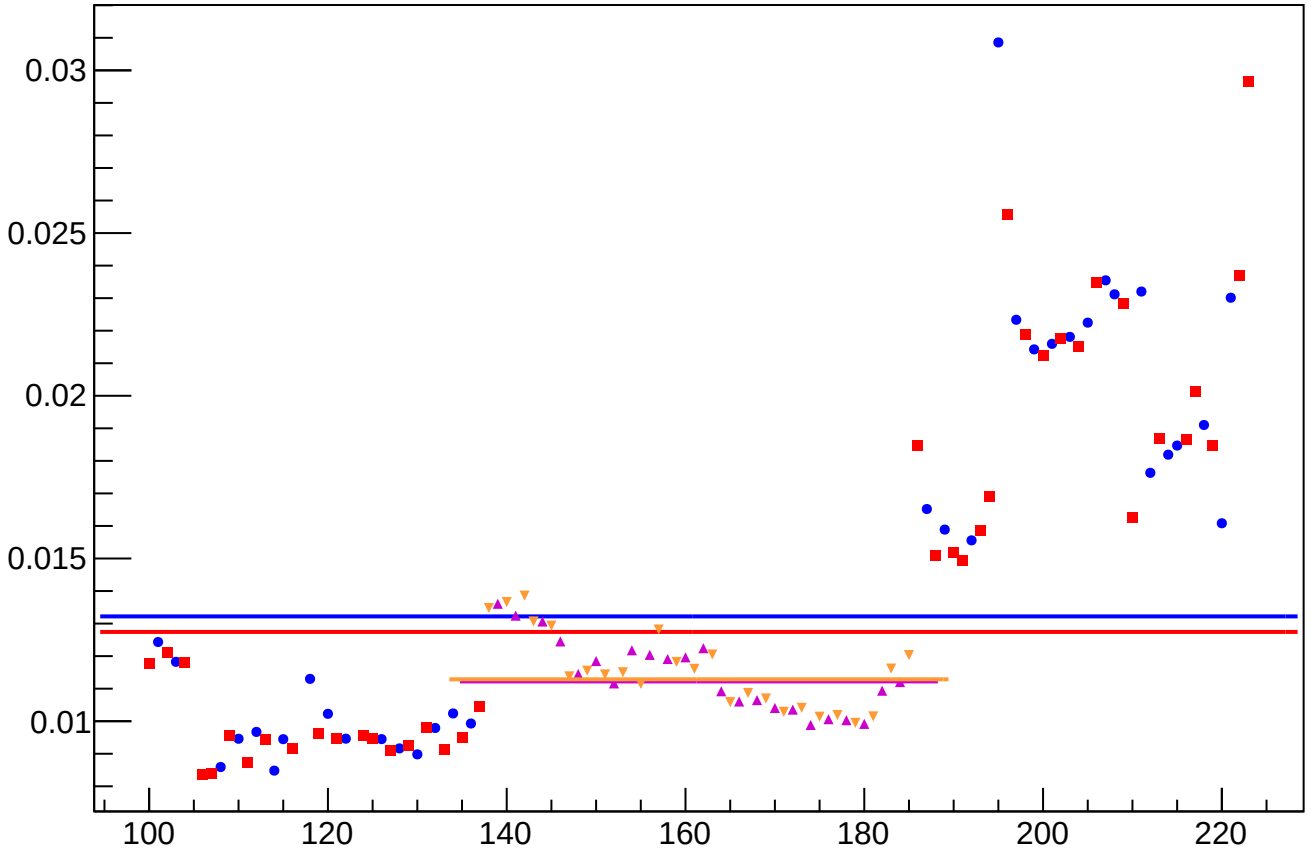
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.218+/-0.000 χ^2/NDF: 87778847533.4/58

All: 0.214+/-0.000 χ^2/NDF: 160218714306.1

- sign 0.210+/-0.000 χ^2/NDF: 72431428458.0/61

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 5556569.2/33

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

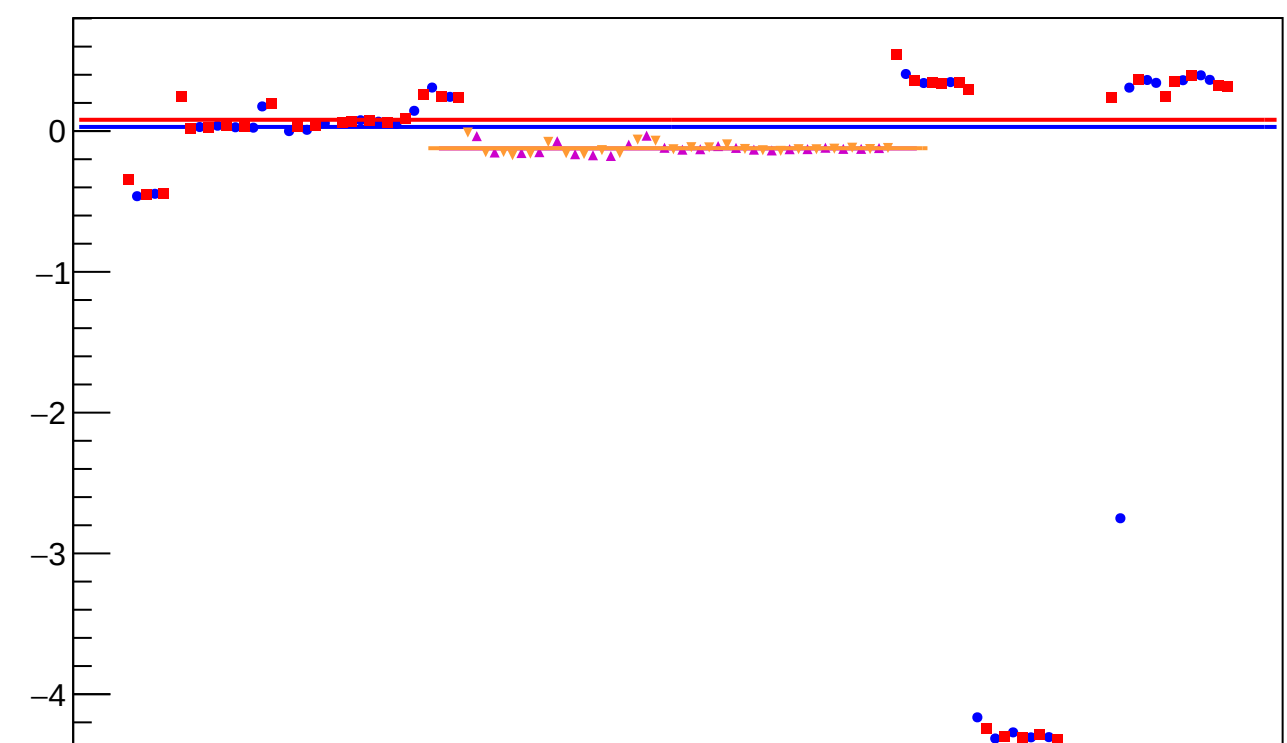
Right Out: 0.013+/-0.000 χ^2/NDF: 5760999.9/38

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 6341703.6/58

All: 0.012+/-0.000 χ^2/NDF: 12720800.9/120

- sign 0.012+/-0.000 χ^2/NDF: 6370618.1/61



Right In: 0.029+/-0.000 χ^2/NDF: 455315274178.8/33

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.080+/-0.000 χ^2/NDF: 409559037886.3/38

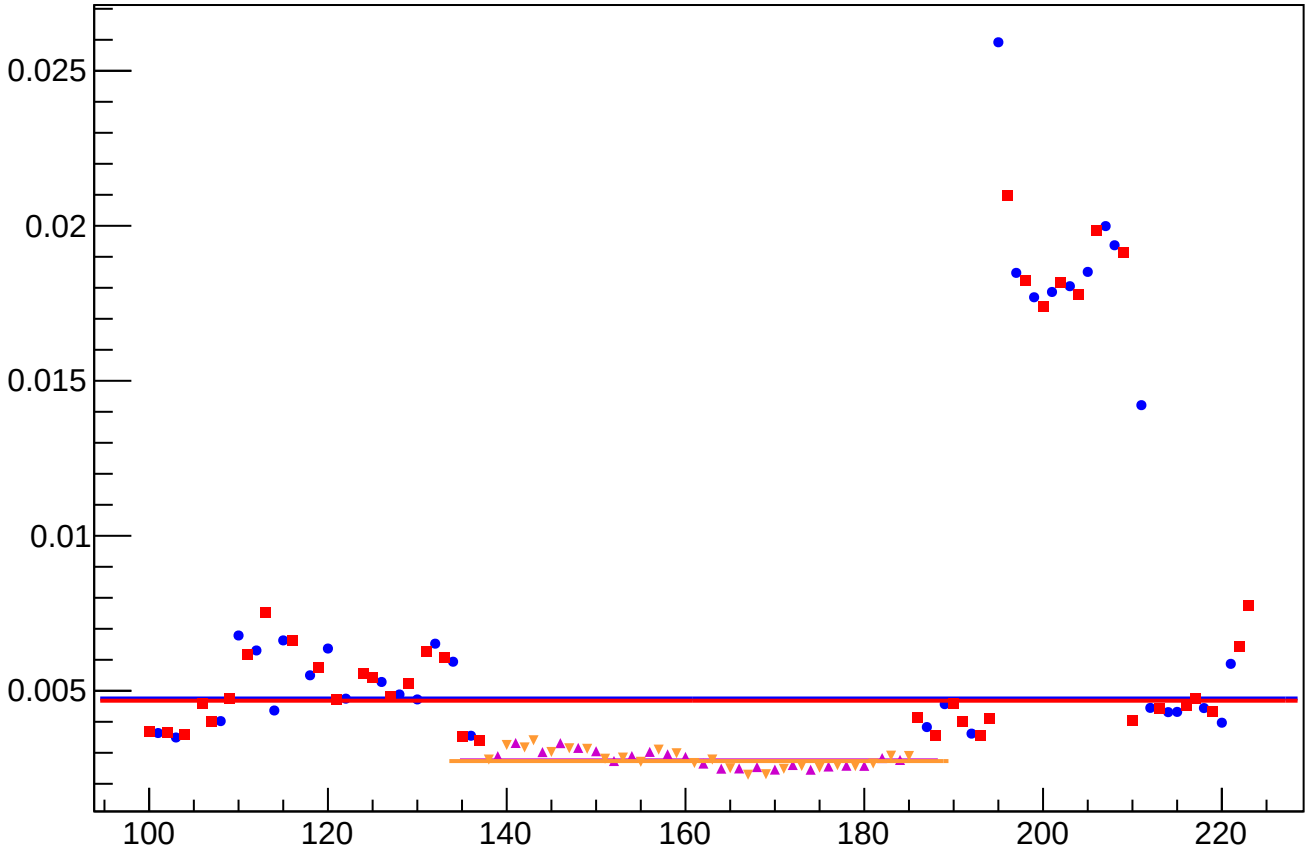
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.088+/-0.000 χ^2/NDF: 470728602376.4/58

All: -0.080+/-0.000 χ^2/NDF: 907793910197.

- sign -0.072+/-0.000 χ^2/NDF: 436638800975.3/61

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 9486697.9/33

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

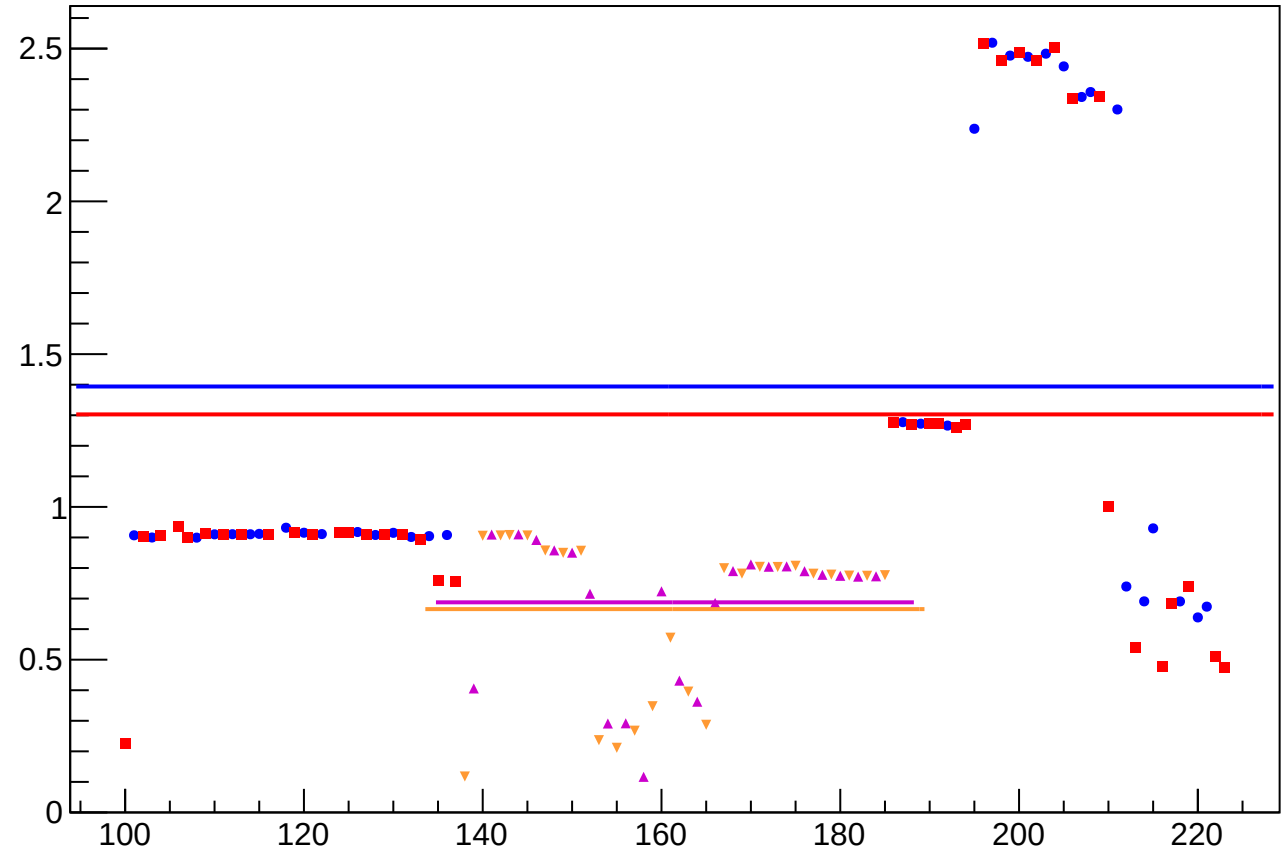
Right Out: 0.005+/-0.000 χ^2/NDF: 8280397.2/38

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 14338175.2/58

All: 0.003+/-0.000 χ^2/NDF: 27251799.3/120

- sign 0.003+/-0.000 χ^2/NDF: 12900189.3/61



Right In: 1.394+/-0.000 χ^2/NDF: 61328644338.5/33

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.303+/-0.000 χ^2/NDF: 58597315618.6/38

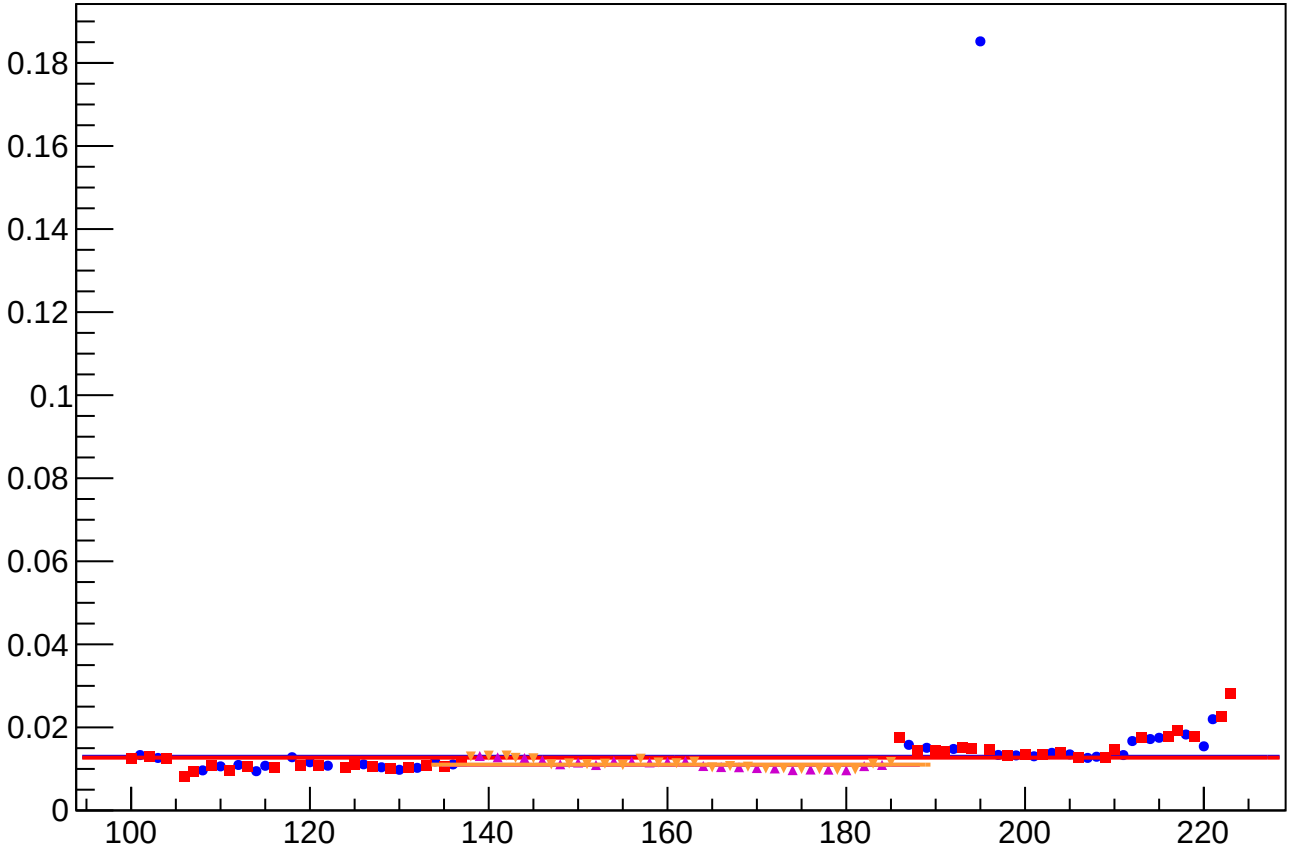
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.985+/-0.000 χ^2/NDF: 105806629937.7/58

All: 0.980+/-0.000 χ^2/NDF: 197002068564.2

- sign 0.974+/-0.000 χ^2/NDF: 91179204357.9/61

yield_bpm0l09X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2936153.1/33

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2099255.8/38

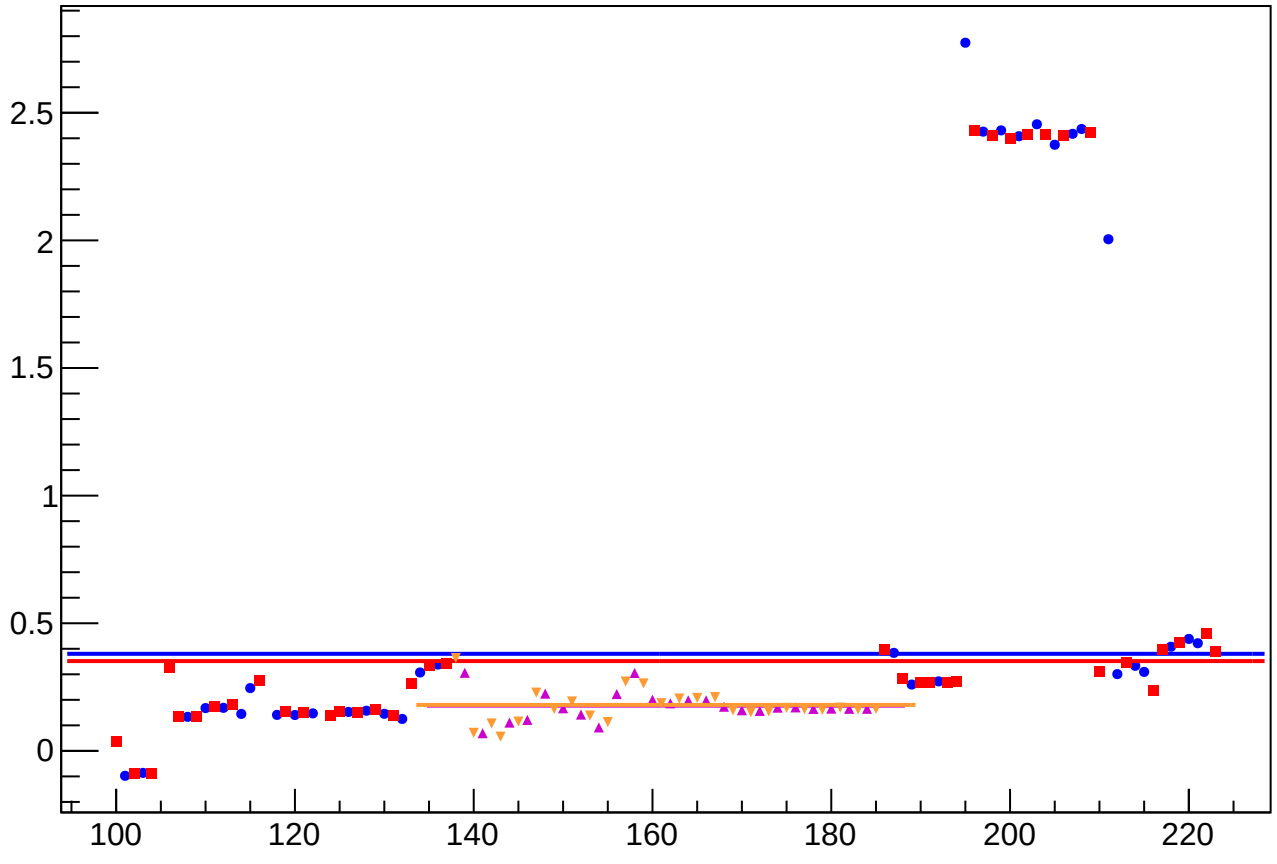
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3712860.6/58

All: 0.012+/-0.000 χ^2/NDF: 6515661.4/120

- sign 0.012+/-0.000 χ^2/NDF: 2801061.2/61

yield_bpm0l09Y_mean vs Slug



Right In: 0.380+/-0.000 χ^2/NDF: 191799296874.7/33

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.352+/-0.000 χ^2/NDF: 164434481487.5/38

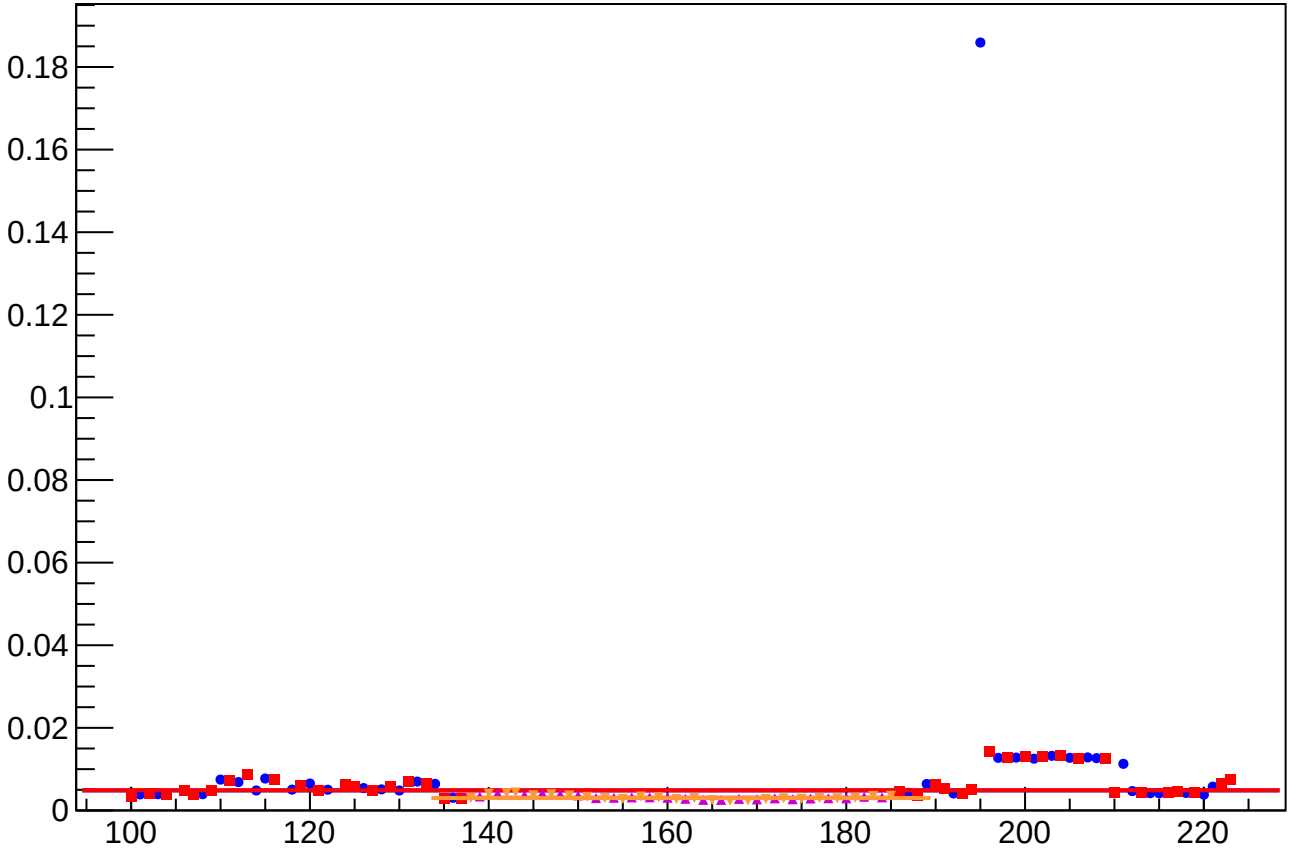
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.232+/-0.000 χ^2/NDF: 218712430131.2/58

All: 0.230+/-0.000 χ^2/NDF: 403492782317.6

- sign 0.228+/-0.000 χ^2/NDF: 184756183678.7/61

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 8148363.0/33

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

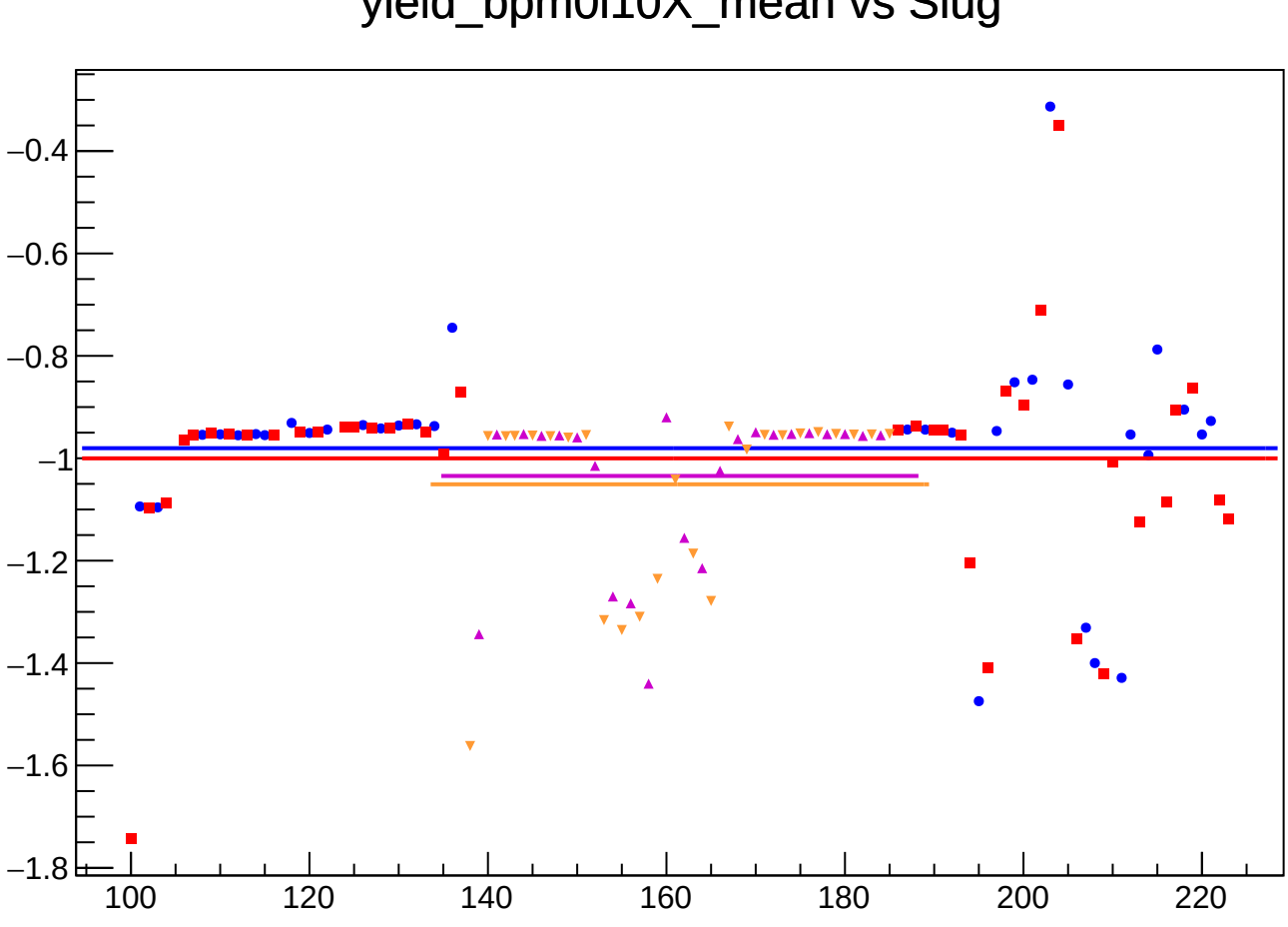
Right Out: 0.005+/-0.000 χ^2/NDF: 6226875.1/38

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 12522976.4/58

All: 0.004+/-0.000 χ^2/NDF: 22759901.3/120

- sign 0.004+/-0.000 χ^2/NDF: 10201865.2/61



Right In: -0.980+/-0.000 χ^2/NDF: 6000247550.3/33

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.000+/-0.000 χ^2/NDF: 5202688708.8/38

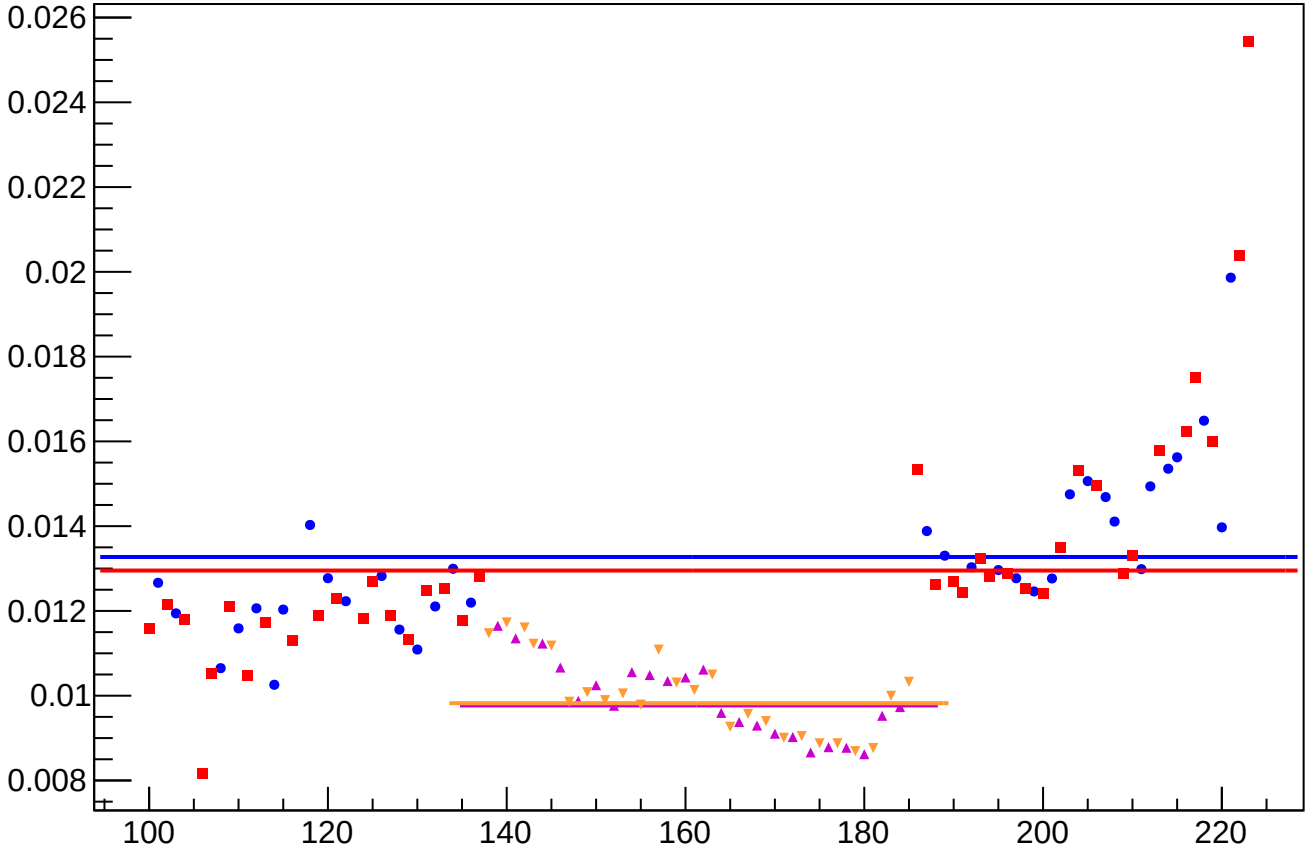
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.024+/-0.000 χ^2/NDF: 11446349771.9/58

All: -1.022+/-0.000 χ^2/NDF: 20665772834.2/

- sign -1.020+/-0.000 χ^2/NDF: 9217516182.5/61

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 641548.8/33

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

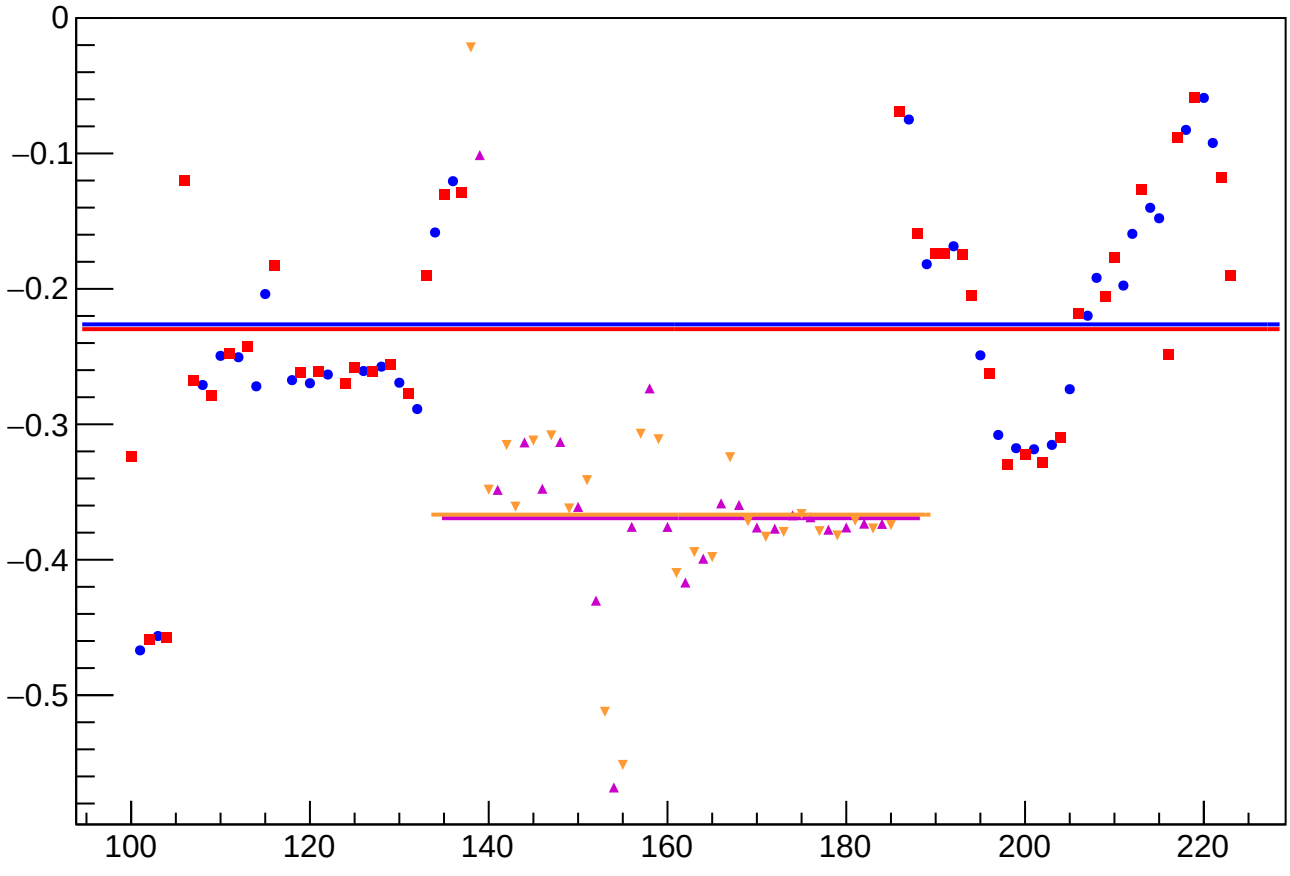
Right Out: 0.013+/-0.000 χ^2/NDF: 1202685.7/38

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 2676245.6/58

All: 0.011+/-0.000 χ^2/NDF: 5690536.3/120

- sign 0.011+/-0.000 χ^2/NDF: 3012996.2/61



Right In: -0.226+/-0.000 χ^2/NDF: 13962291460.7/33

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.230+/-0.000 χ^2/NDF: 12721410321.8/38

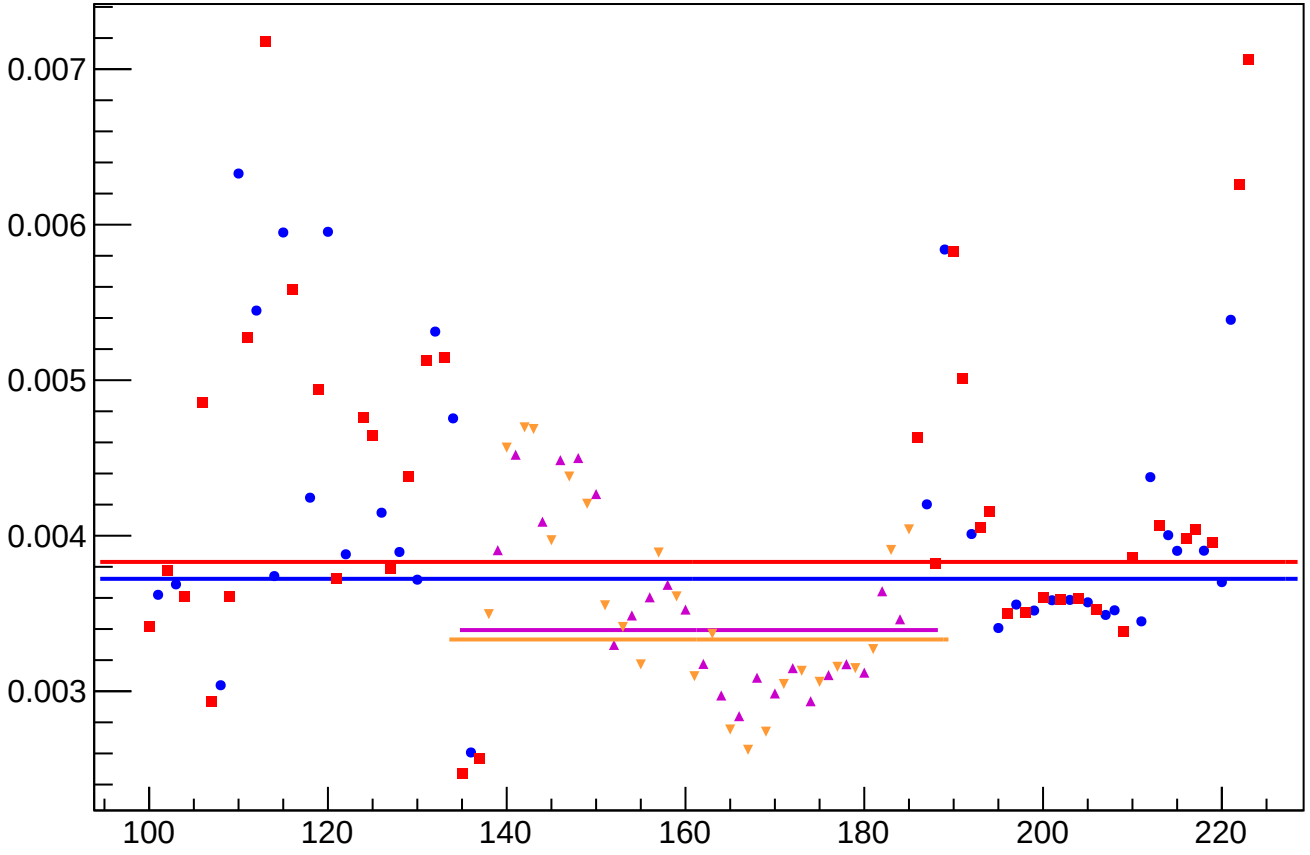
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.300+/-0.000 χ^2/NDF: 40720692712.6/58

All: -0.300+/-0.000 χ^2/NDF: 74818823359.5/

- sign -0.301+/-0.000 χ^2/NDF: 34097227395.1/61

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1152460.6/33

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

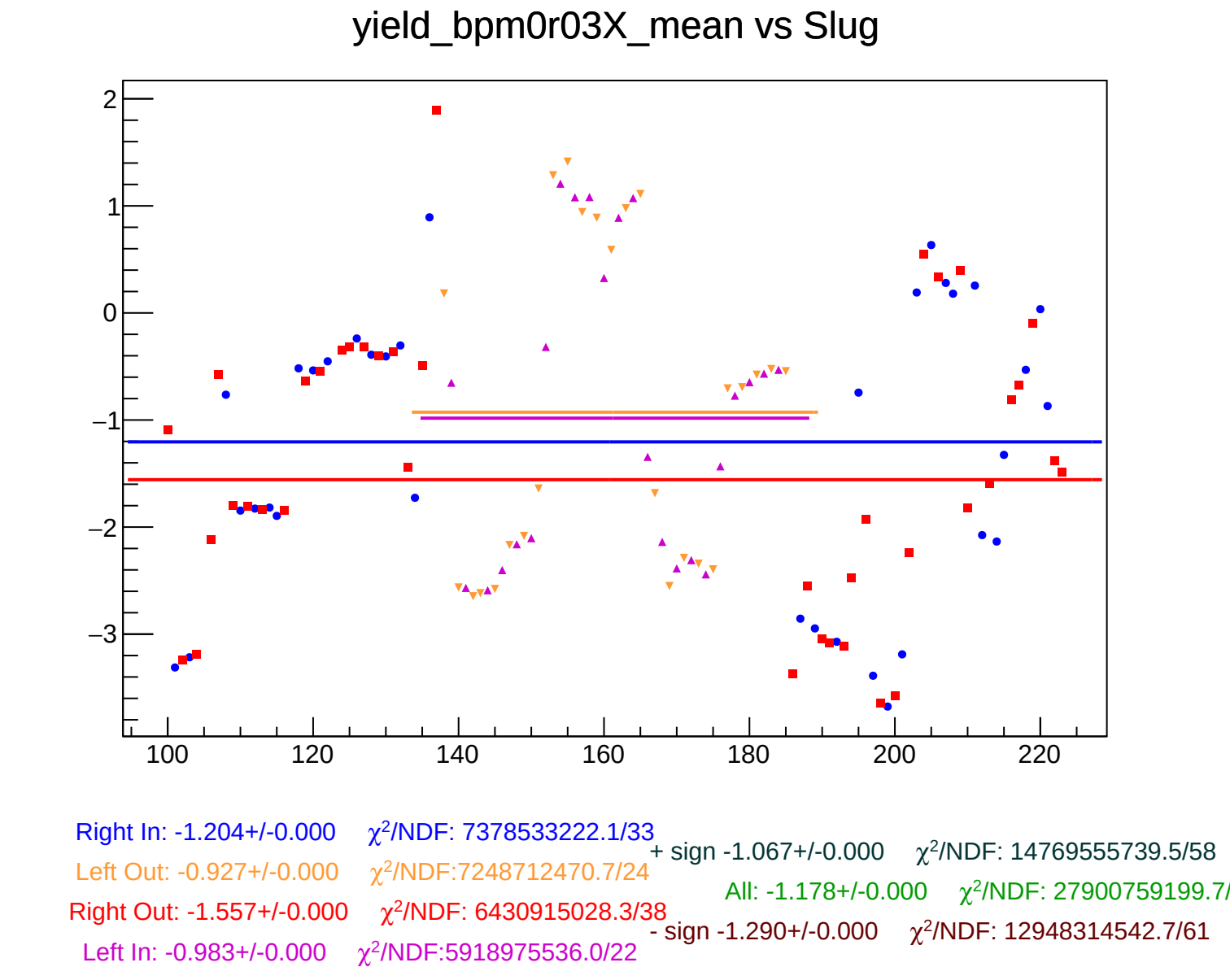
Right Out: 0.004+/-0.000 χ^2/NDF: 1581714.2/38

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

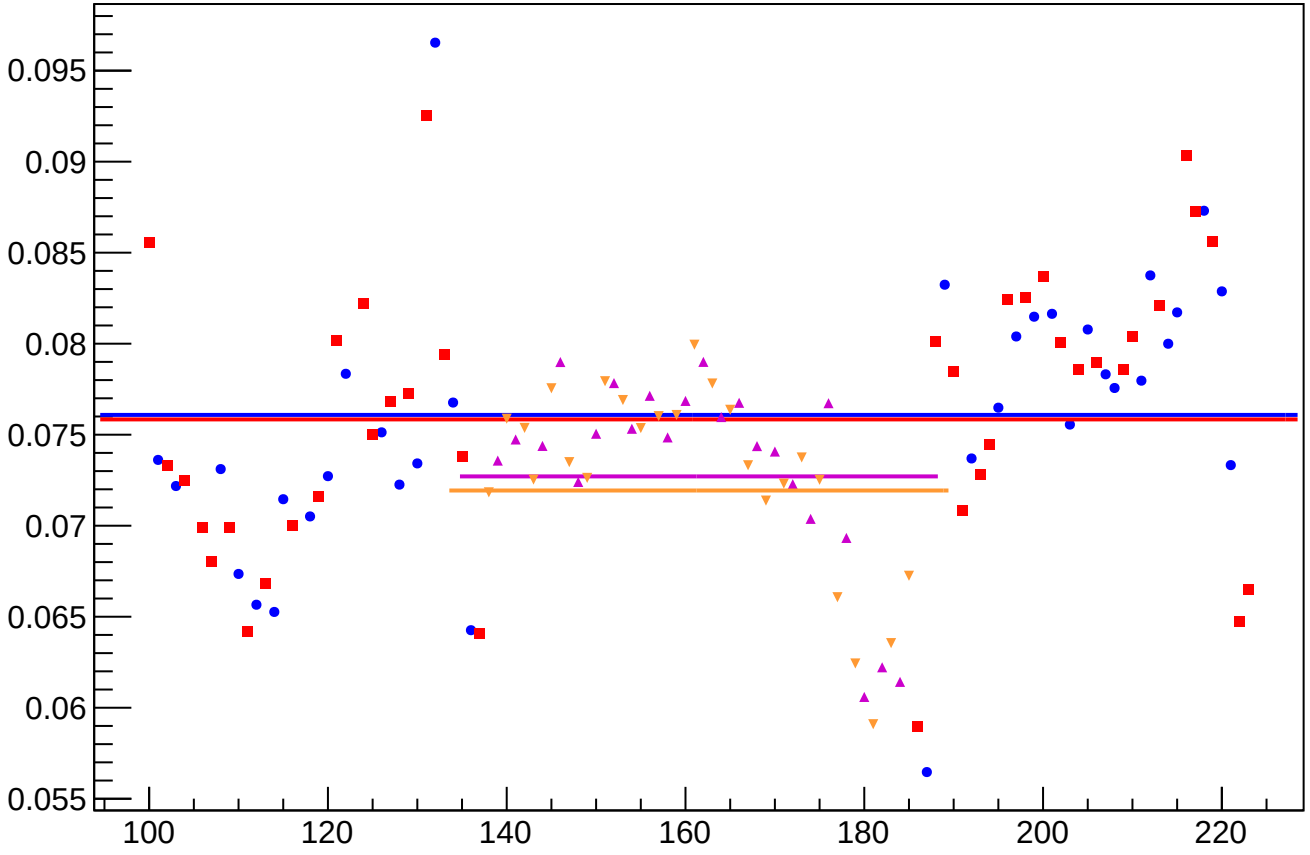
+ sign 0.004+/-0.000 χ^2/NDF: 2238523.2/58

All: 0.004+/-0.000 χ^2/NDF: 4749561.0/120

- sign 0.004+/-0.000 χ^2/NDF: 2487118.4/61


yield_bpm0r03X_mean vs Slug
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -1.204+/-0.000 χ²/NDF: 7378533222.1/33
Left Out: -0.927+/-0.000 χ²/NDF:7248712470.7/24
Right Out: -1.557+/-0.000 χ²/NDF: 6430915028.3/38
Left In: -0.983+/-0.000 χ²/NDF:5918975536.0/22
+ sign -1.067+/-0.000 χ²/NDF: 14769555739.5/58
All: -1.178+/-0.000 χ²/NDF: 27900759199.7/
- sign -1.290+/-0.000 χ²/NDF: 12948314542.7/61

yield_bpm0r03X_rms vs Slug



Right In: 0.076+/-0.000 χ^2/NDF: 309039.0/33

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

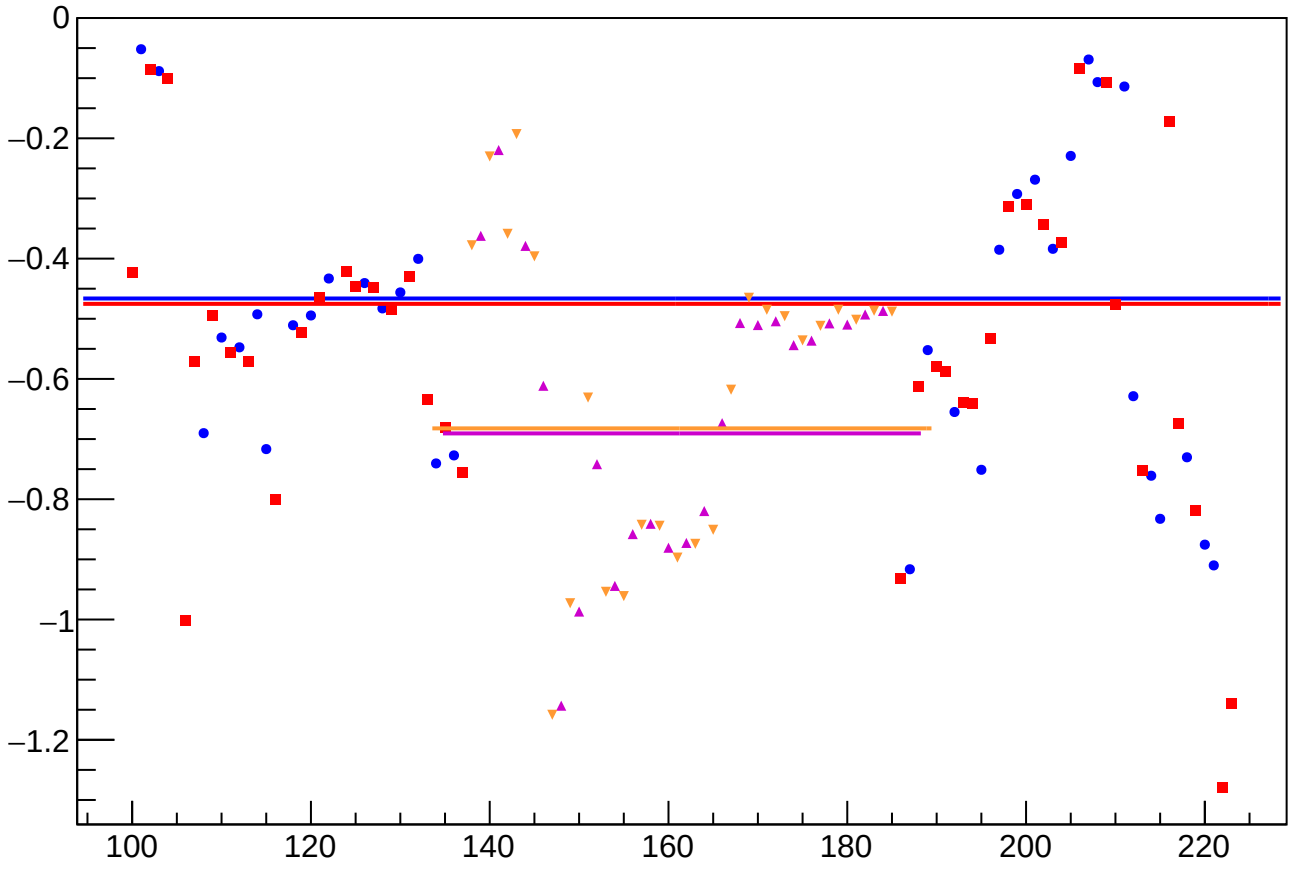
Right Out: 0.076+/-0.000 χ^2/NDF: 425820.1/38

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.074+/-0.000 χ^2/NDF: 608324.0/58

All: 0.074+/-0.000 χ^2/NDF: 1267611.2/120

- sign 0.074+/-0.000 χ^2/NDF: 658358.2/61



Right In: -0.466+/-0.000 χ^2/NDF: 26461851329.6/33

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.475+/-0.000 χ^2/NDF: 26351968054.3/38

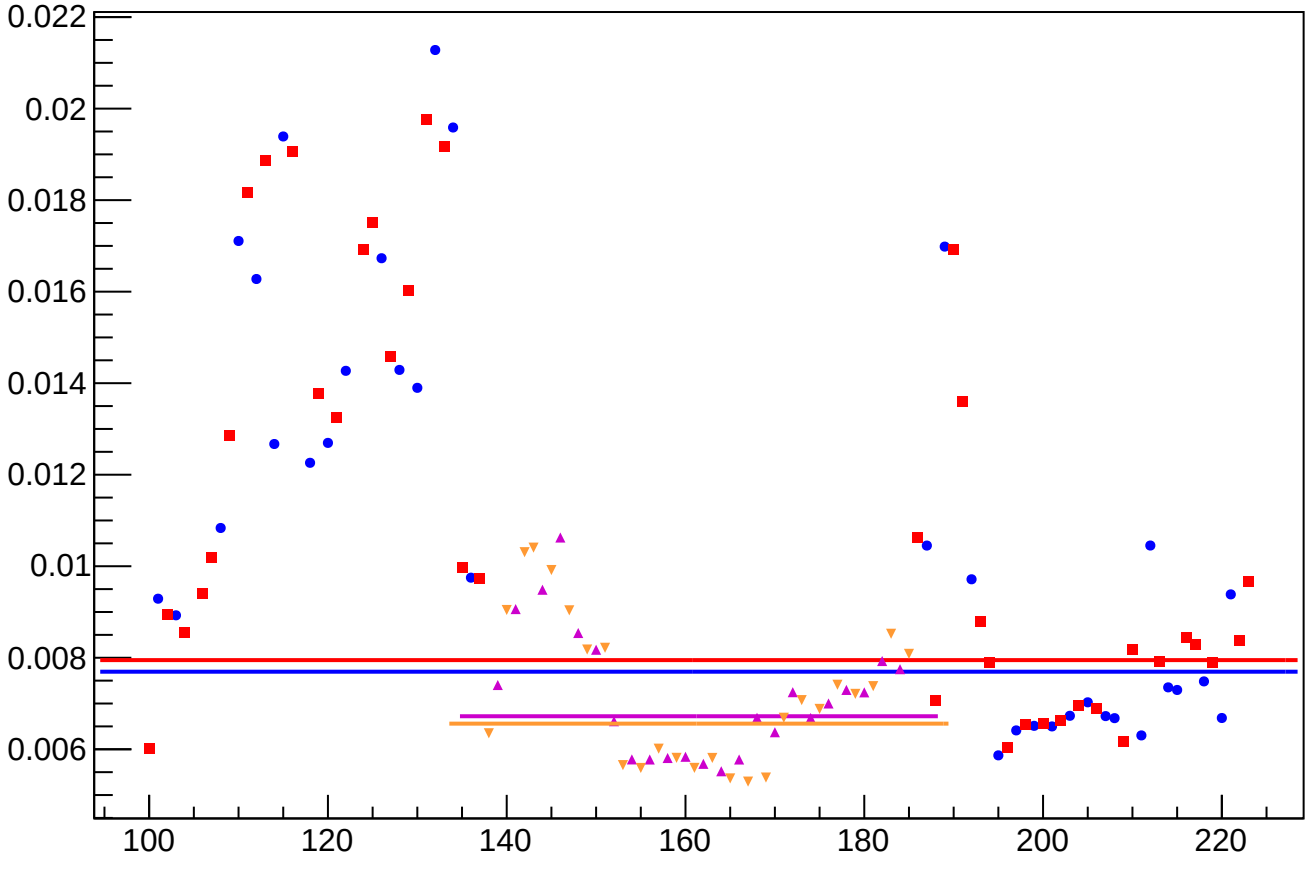
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.587+/-0.000 χ^2/NDF: 56643873563.0/58

All: -0.590+/-0.000 χ^2/NDF: 107634429862.9

- sign -0.593+/-0.000 χ^2/NDF: 50979201578.7/61

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3290774.4/33

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3302596.7/38

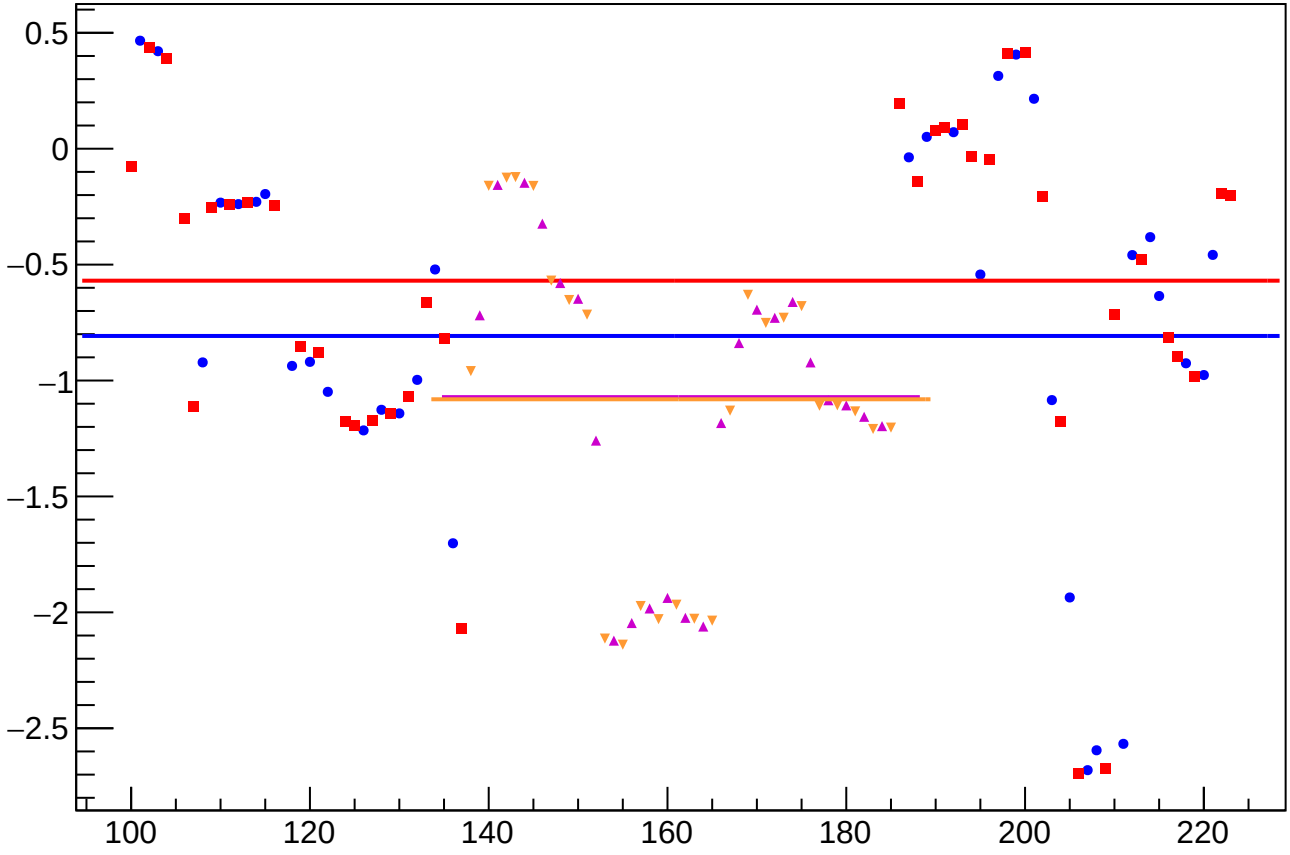
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 5156820.0/58

All: 0.007+/-0.000 χ^2/NDF: 9956872.4/120

- sign 0.007+/-0.000 χ^2/NDF: 4766604.8/61

yield_bpm0r05X_mean vs Slug



Right In: -0.808+/-0.000 χ^2/NDF: 2006002654.8/33

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.569+/-0.000 χ^2/NDF: 1720510537.4/38

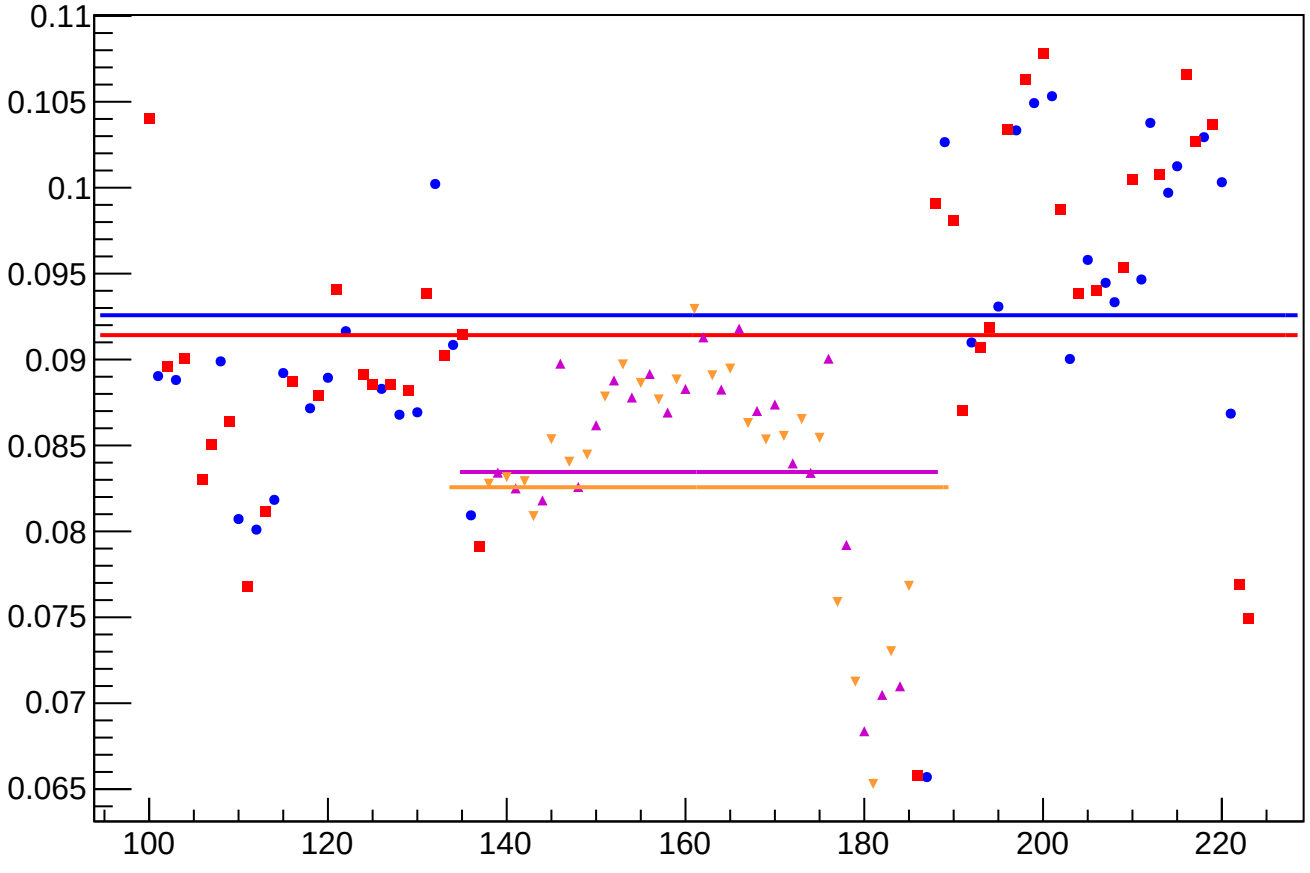
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.951+/-0.000 χ^2/NDF: 3257772487.2/58

All: -0.884+/-0.000 χ^2/NDF: 6336728324.5/1

- sign -0.816+/-0.000 χ^2/NDF: 3030152496.5/61

yield_bpm0r05X_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 330301.1/33

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 547743.3/38

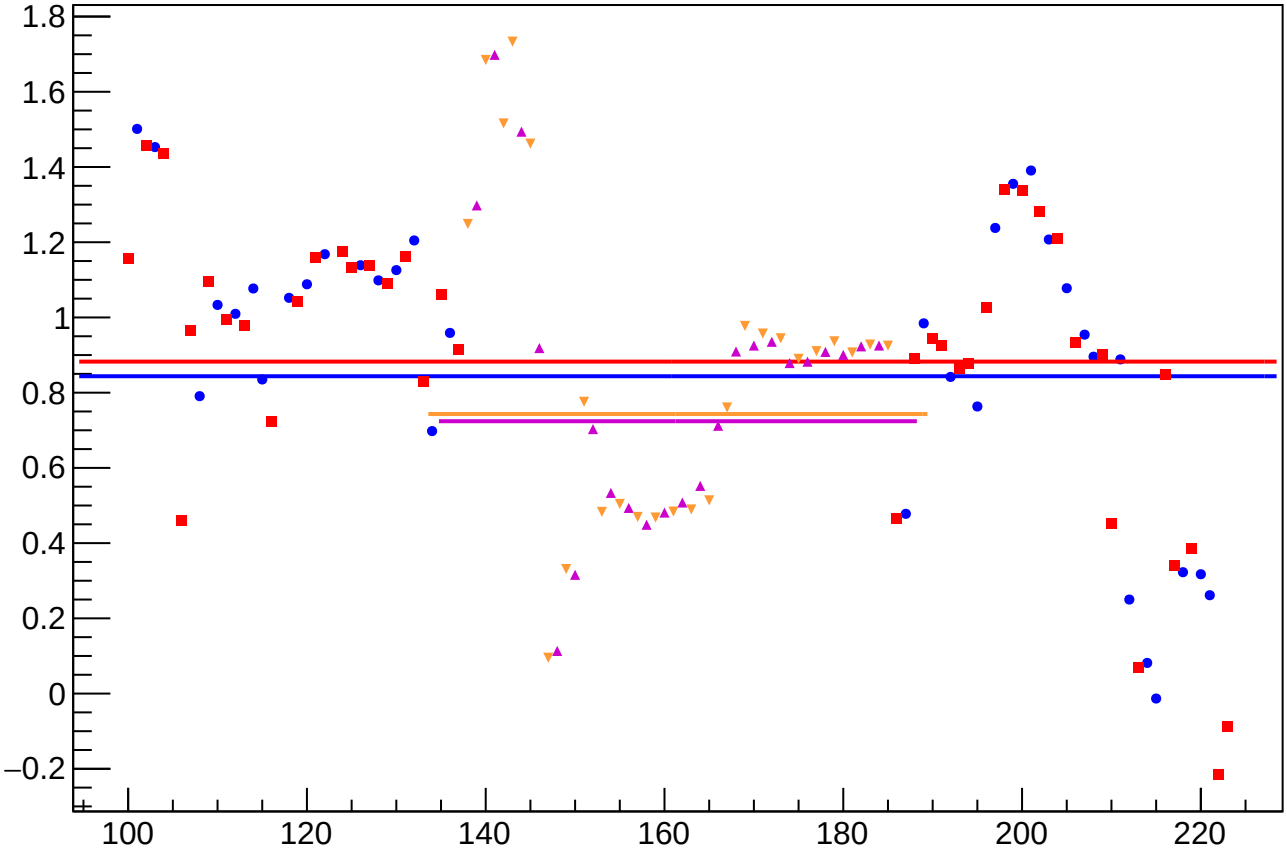
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.087+/-0.000 χ^2/NDF: 888557.0/58

All: 0.087+/-0.000 χ^2/NDF: 1842828.5/120

- sign 0.088+/-0.000 χ^2/NDF: 954085.5/61

yield_bpm0r05Y_mean vs Slug



Right In: 0.844+/-0.000 χ^2/NDF: 29622185915.7/33

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.883+/-0.000 χ^2/NDF: 25956636122.1/38

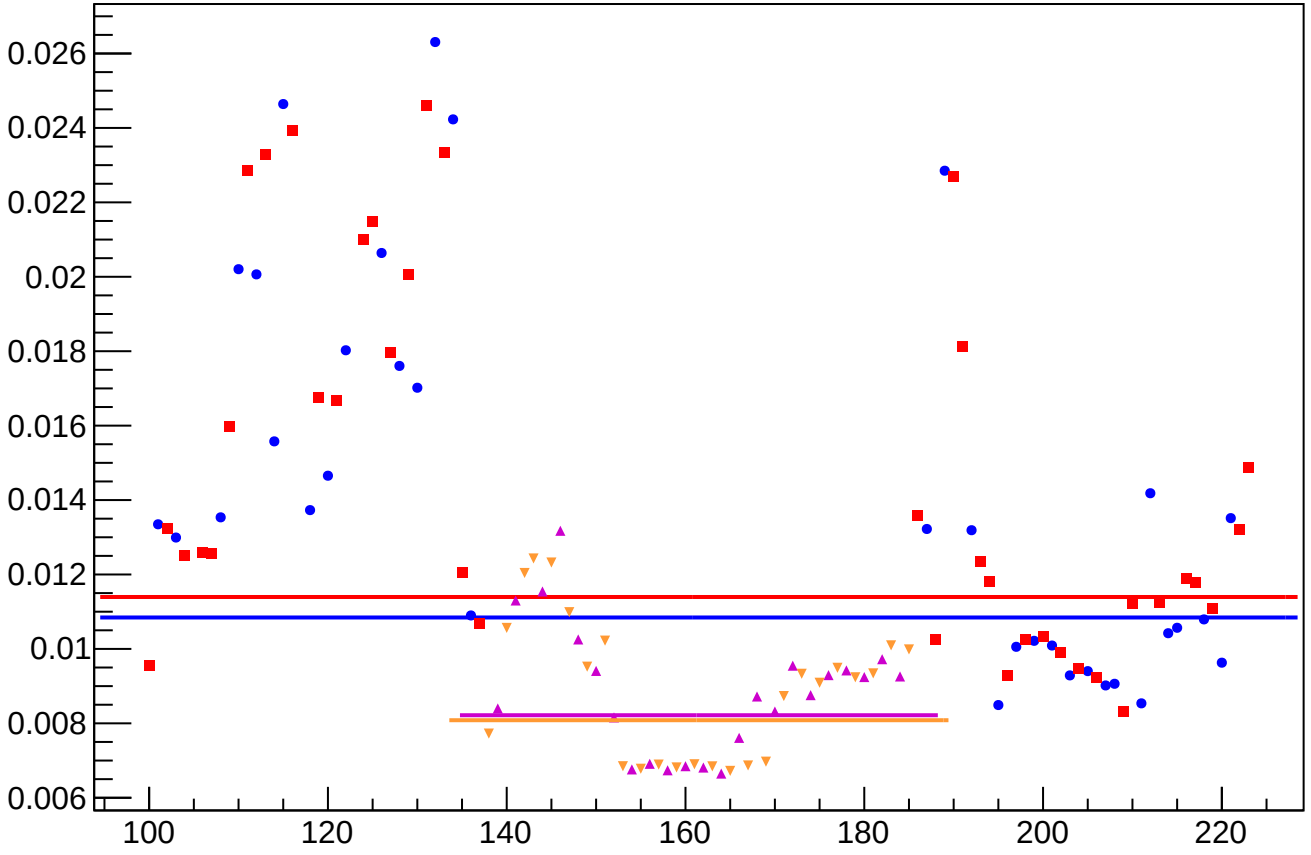
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.781+/-0.000 χ^2/NDF: 63237152528.8/58

All: 0.783+/-0.000 χ^2/NDF: 117215307656.0

- sign 0.784+/-0.000 χ^2/NDF: 53975911046.6/61

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2495222.9/33

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2549508.9/38

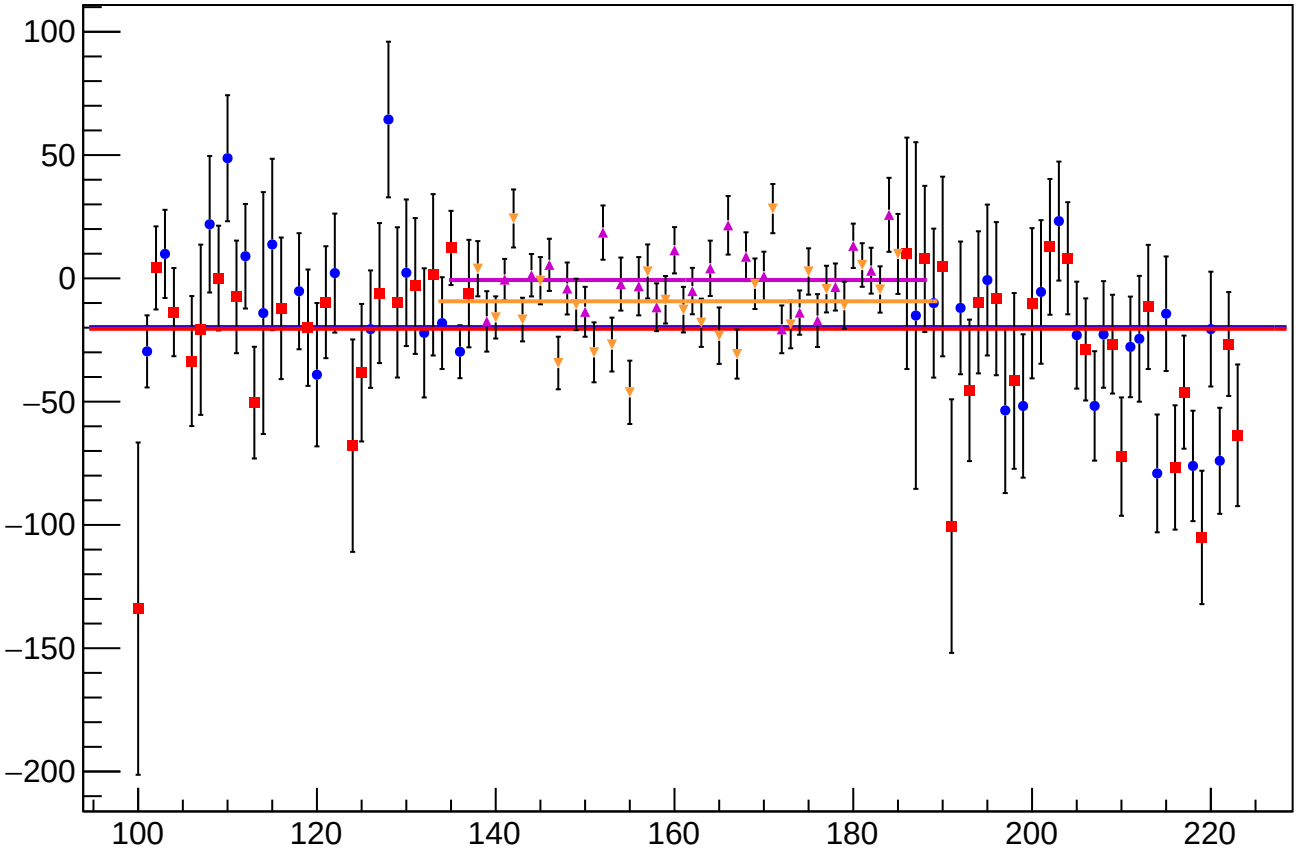
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 5461271.4/58

All: 0.009+/-0.000 χ^2/NDF: 11078171.8/120

- sign 0.009+/-0.000 χ^2/NDF: 5579003.9/61

diff_bpm4aX_mean vs Slug



Right In: -19.773+/-3.944 χ^2/NDF: 53.1/33

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

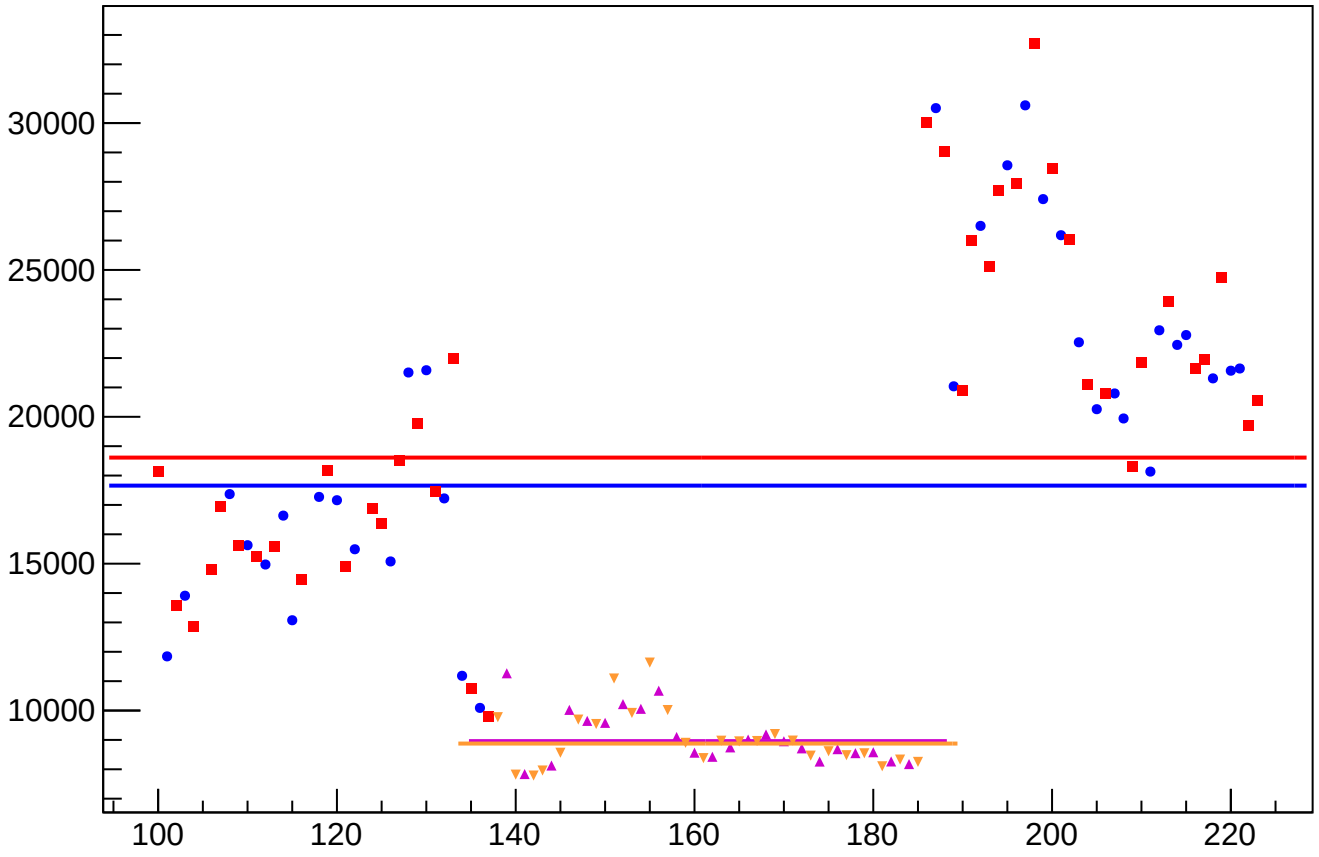
Right Out: -20.443+/-4.054 χ^2/NDF: 48.9/38

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -11.487+/-1.805 χ^2/NDF: 119.8/58

All: -8.291+/-1.298 χ^2/NDF: 223.3/120

- sign -4.870+/-1.868 χ^2/NDF: 97.1/61



Right In: 17657.227+/-2.789 χ^2/NDF: 3698074.5/33

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18611.517+/-2.867 χ^2/NDF: 3487250.3/38

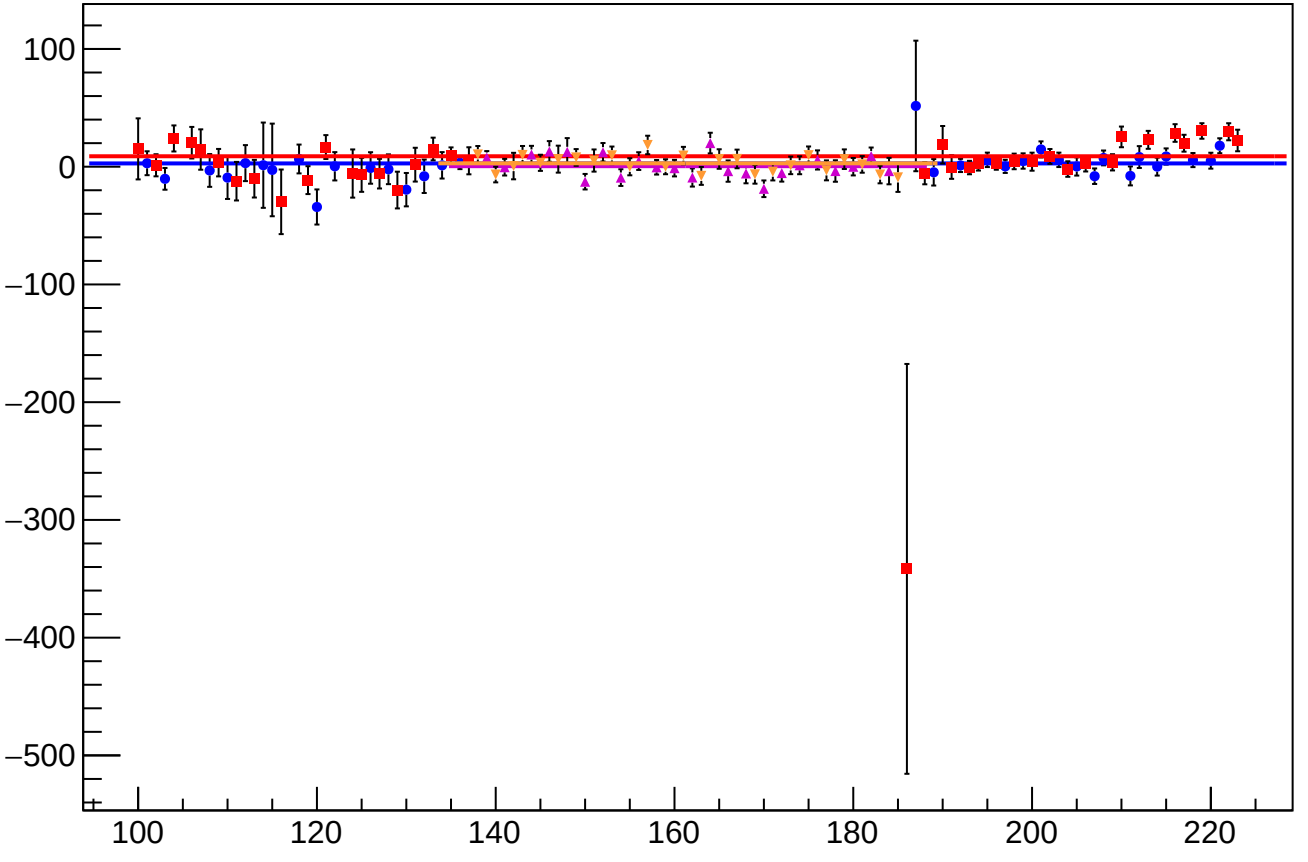
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10715.510+/-1.277 χ^2/NDF: 11882058.9/58

All: 10856.265+/-0.918 χ^2/NDF: 24627118.0

- sign 11006.897+/-1.321 χ^2/NDF: 12719892.3/61

diff_bpm4aY_mean vs Slug



Right In: 2.787+/-1.425 χ^2/NDF: 29.6/33

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 8.868+/-1.421 χ^2/NDF: 74.5/38

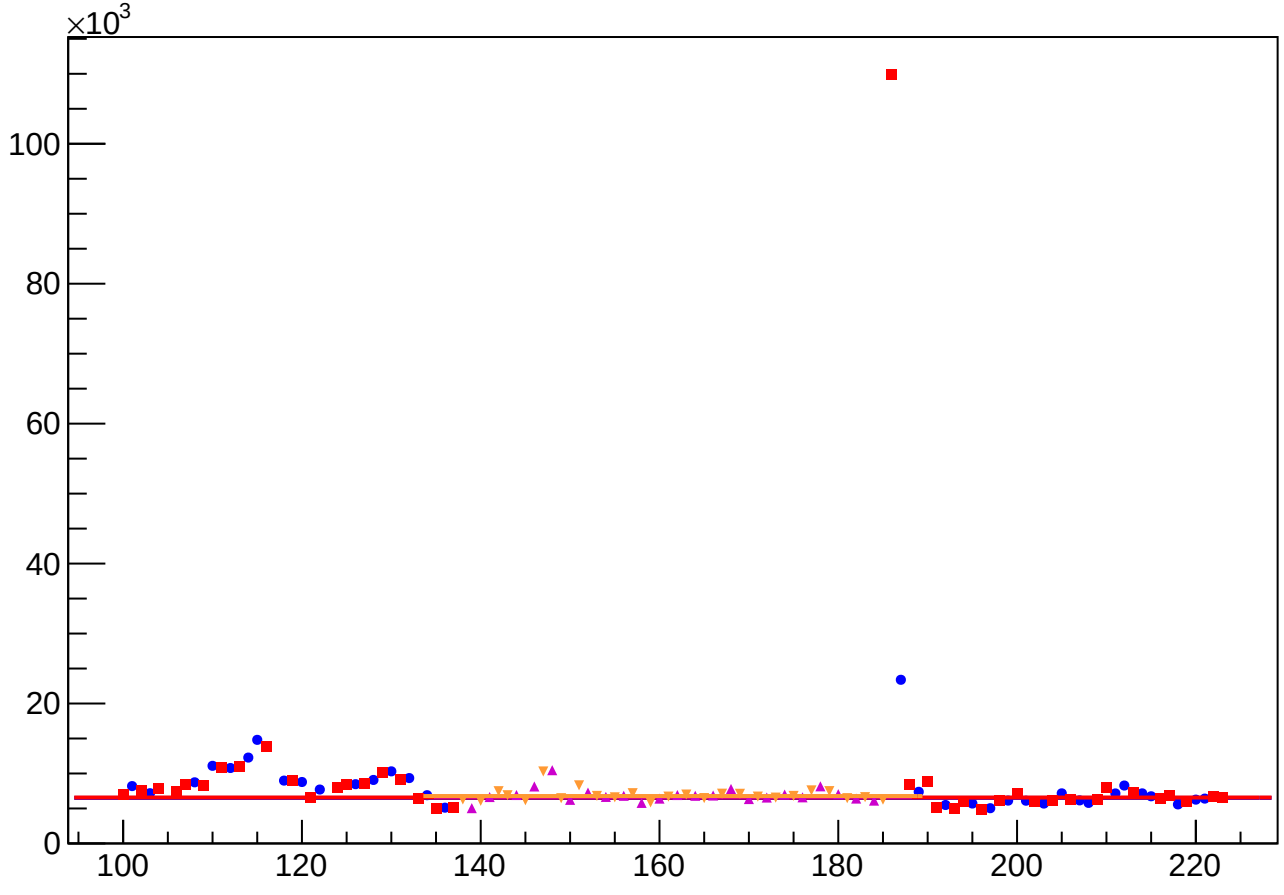
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.829+/-1.050 χ^2/NDF: 49.1/58

All: 3.963+/-0.745 χ^2/NDF: 174.4/120

- sign 5.111+/-1.057 χ^2/NDF: 122.9/61

diff_bpm4aY_rms vs Slug



Right In: 6506.969+/-1.008 χ^2/NDF: 1855689.3/33

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

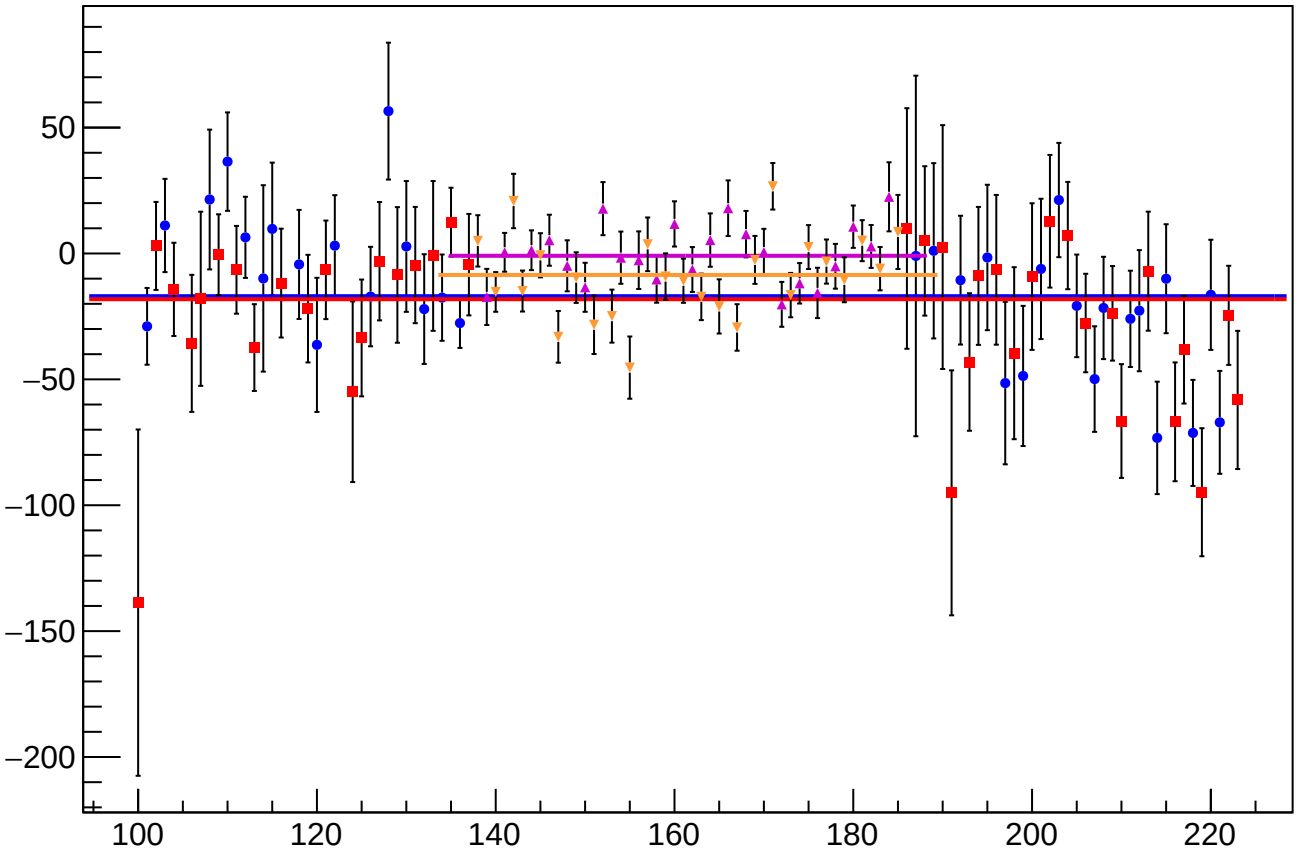
Right Out: 6563.679+/-1.005 χ^2/NDF: 2419807.8/38

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6630.252+/-0.743 χ^2/NDF: 2288594.5/58

All: 6625.108+/-0.527 χ^2/NDF: 5335786.6/12

- sign 6619.900+/-0.747 χ^2/NDF: 3047095.6/61



Right In: -16.967+/-3.627 χ^2/NDF: 54.5/33

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

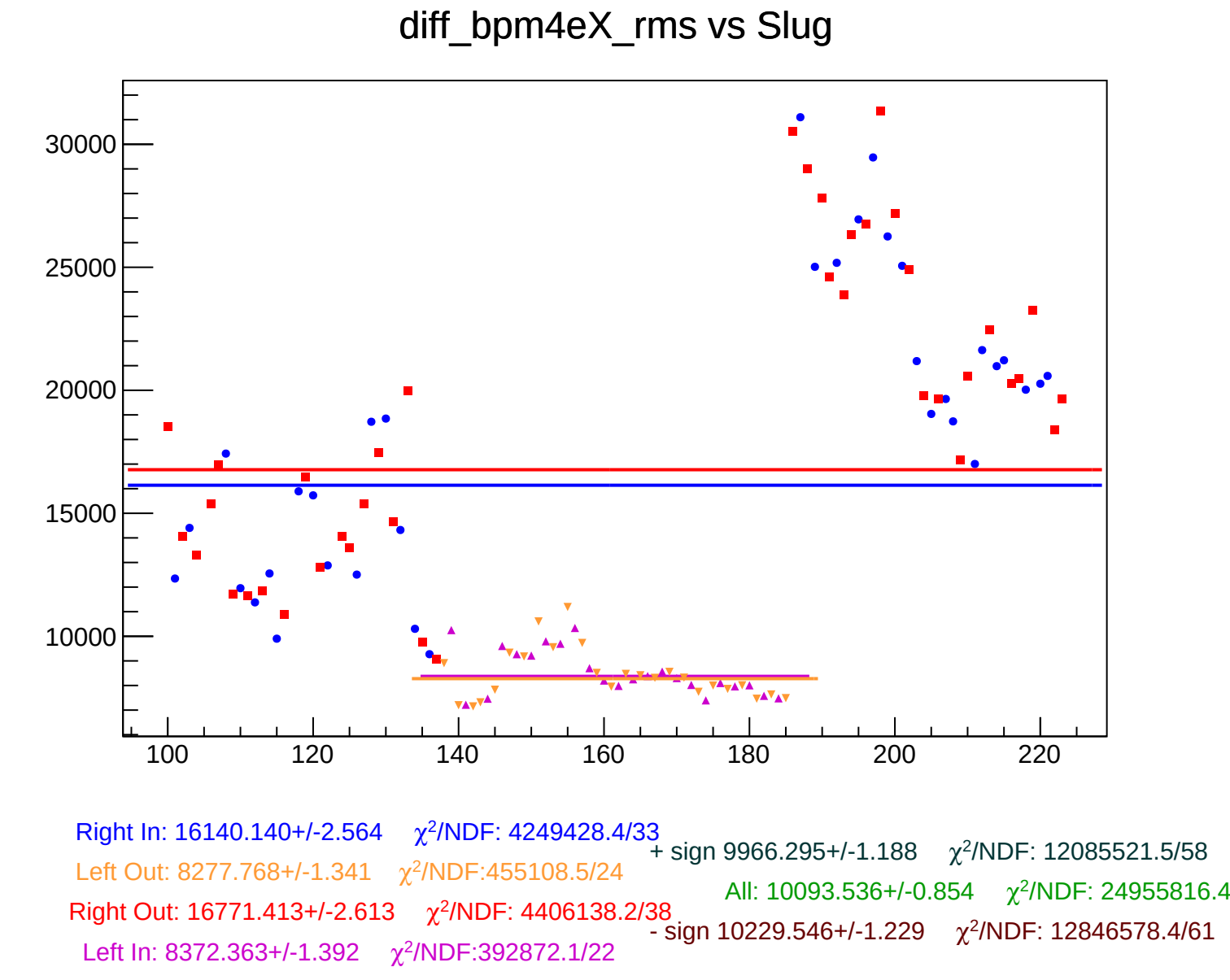
Right Out: -18.165+/-3.695 χ^2/NDF: 46.1/38

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

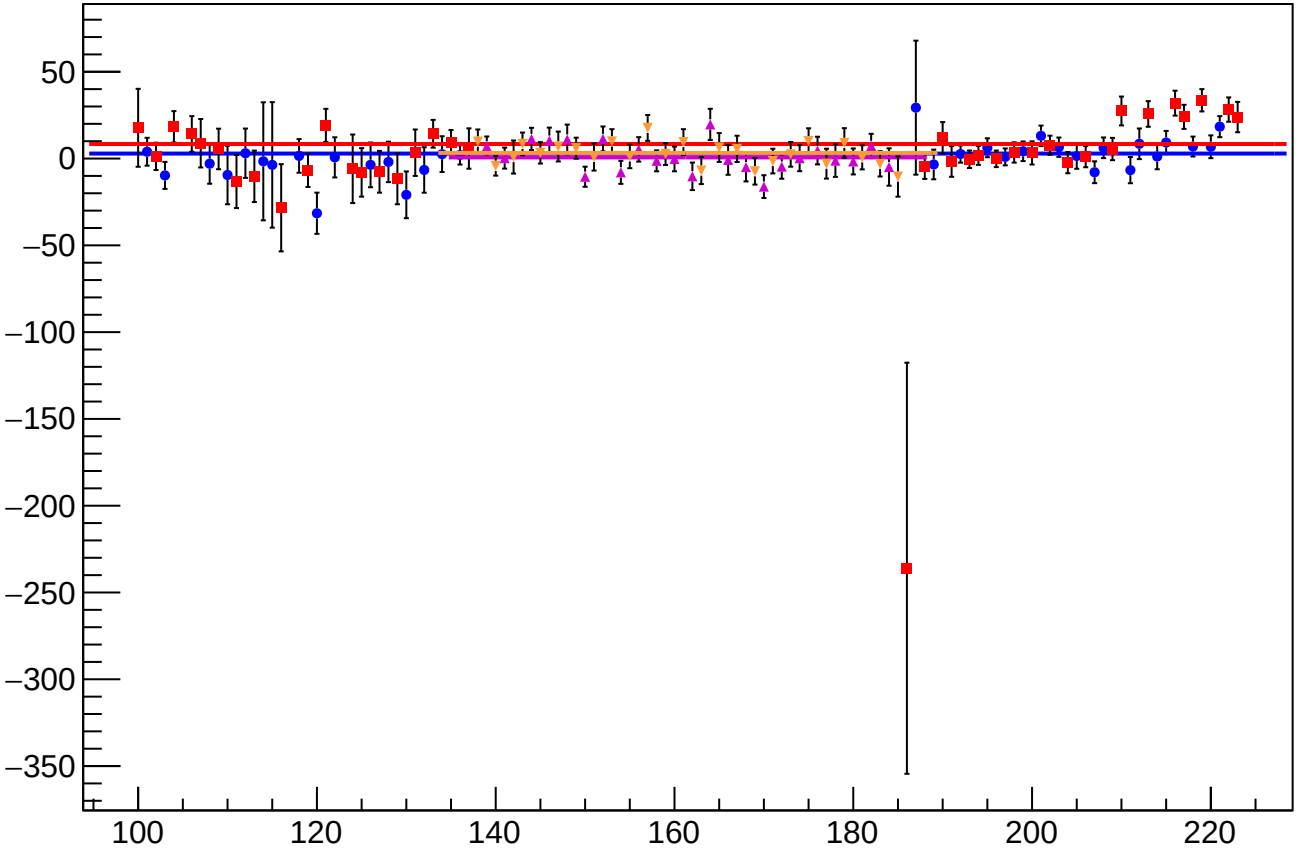
+ sign -10.347+/-1.681 χ^2/NDF: 120.7/58

All: -7.633+/-1.208 χ^2/NDF: 218.2/120

- sign -4.733+/-1.738 χ^2/NDF: 92.2/61


diff_bpm4eX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16140.140+/-2.564 χ²/NDF: 4249428.4/33
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 16771.413+/-2.613 χ²/NDF: 4406138.2/38
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
+ sign 9966.295+/-1.188 χ²/NDF: 12085521.5/58
All: 10093.536+/-0.854 χ²/NDF: 24955816.4
- sign 10229.546+/-1.229 χ²/NDF: 12846578.4/61

diff_bpm4eY_mean vs Slug



Right In: 2.877+/-1.303 χ^2/NDF: 34.6/33

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 8.384+/-1.283 χ^2/NDF: 93.9/38

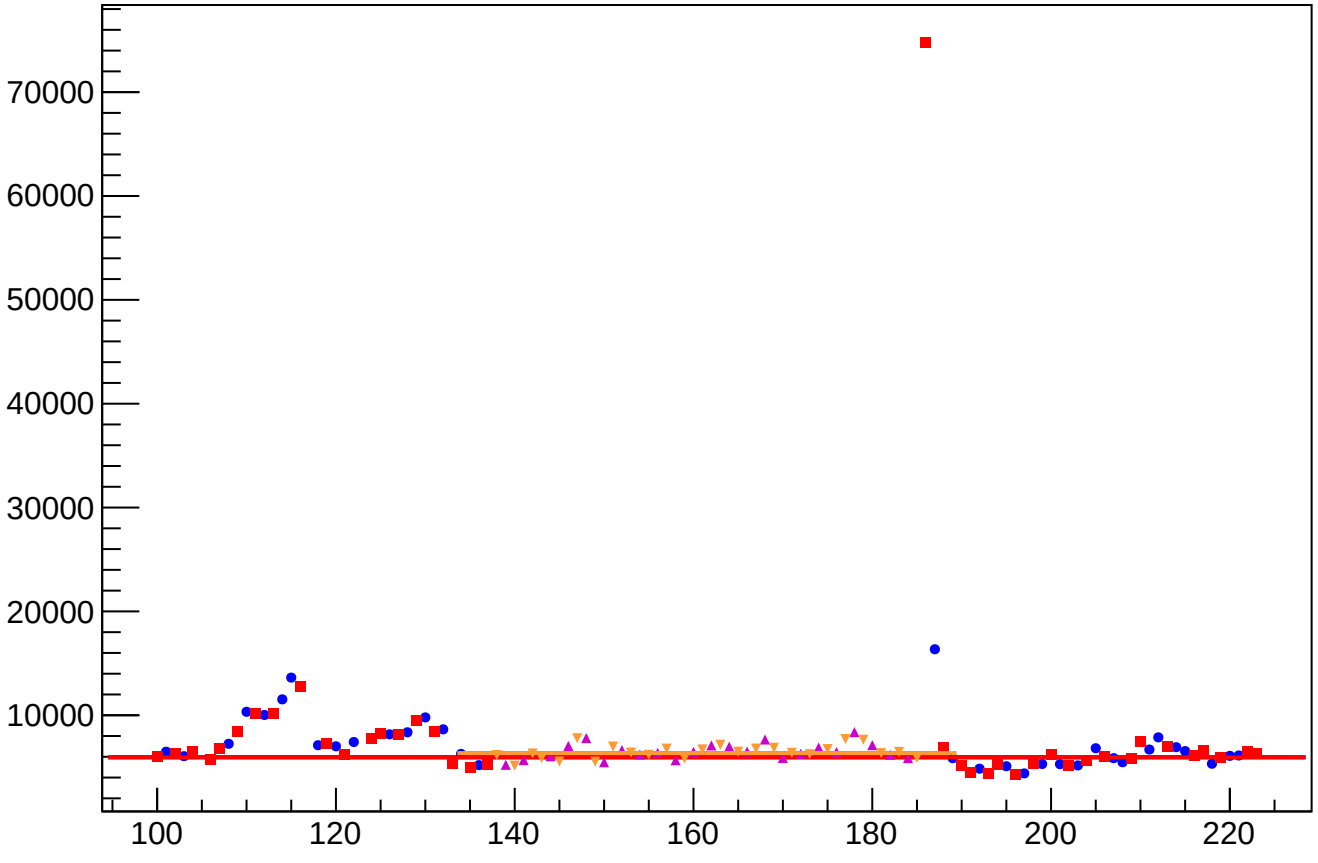
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 3.045+/-0.971 χ^2/NDF: 52.3/58

All: 4.074+/-0.688 χ^2/NDF: 194.6/120

- sign 5.111+/-0.975 χ^2/NDF: 140.0/61

diff_bpm4eY_rms vs Slug



Right In: 5958.915+/-0.922 χ^2/NDF: 1804519.5/33

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5938.635+/-0.908 χ^2/NDF: 2472679.3/38

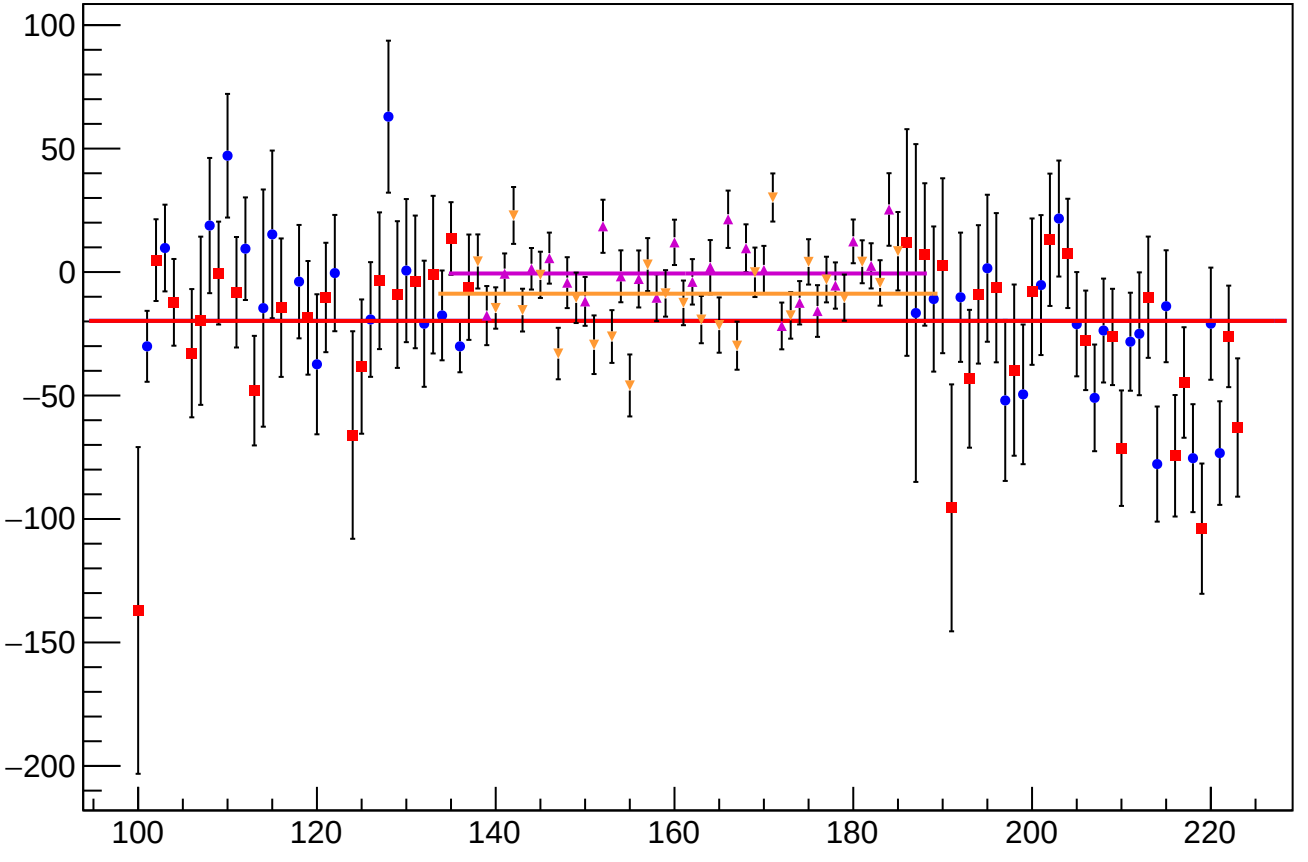
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6136.113+/-0.687 χ^2/NDF: 2301817.8/58

All: 6126.493+/-0.487 χ^2/NDF: 5339892.7/12

- sign 6116.801+/-0.689 χ^2/NDF: 3037681.2/61

diff_bpm4acX_mean vs Slug



Right In: -19.740+/-3.852 χ^2/NDF: 53.5/33

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -19.786+/-3.960 χ^2/NDF: 49.9/38

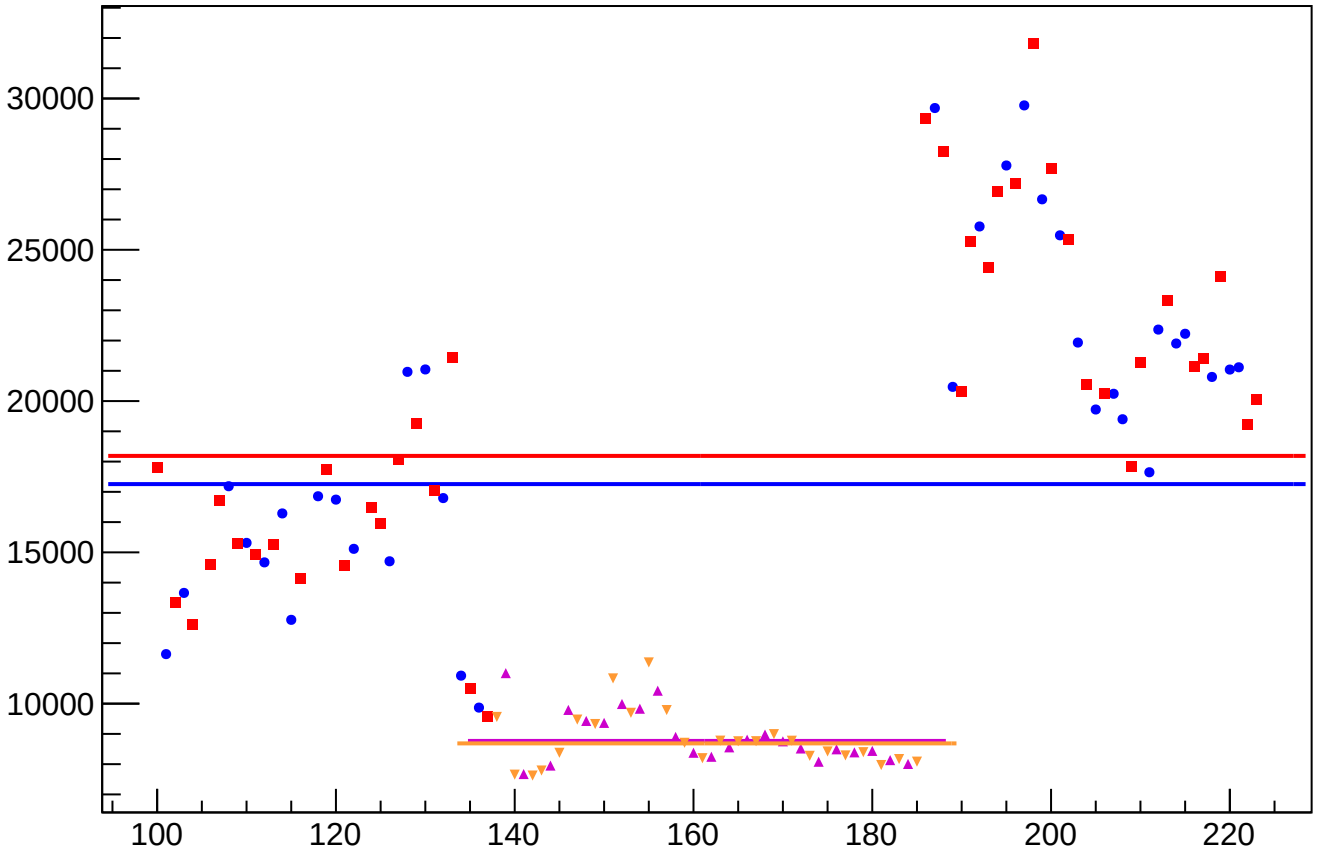
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -11.073+/-1.766 χ^2/NDF: 122.7/58

All: -7.979+/-1.270 χ^2/NDF: 226.9/120

- sign -4.668+/-1.827 χ^2/NDF: 97.9/61

diff_bpm4acX_rms vs Slug



Right In: 17256.023+/-2.724 χ^2/NDF: 3644296.8/33

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 18188.000+/-2.800 χ^2/NDF: 3431468.8/38

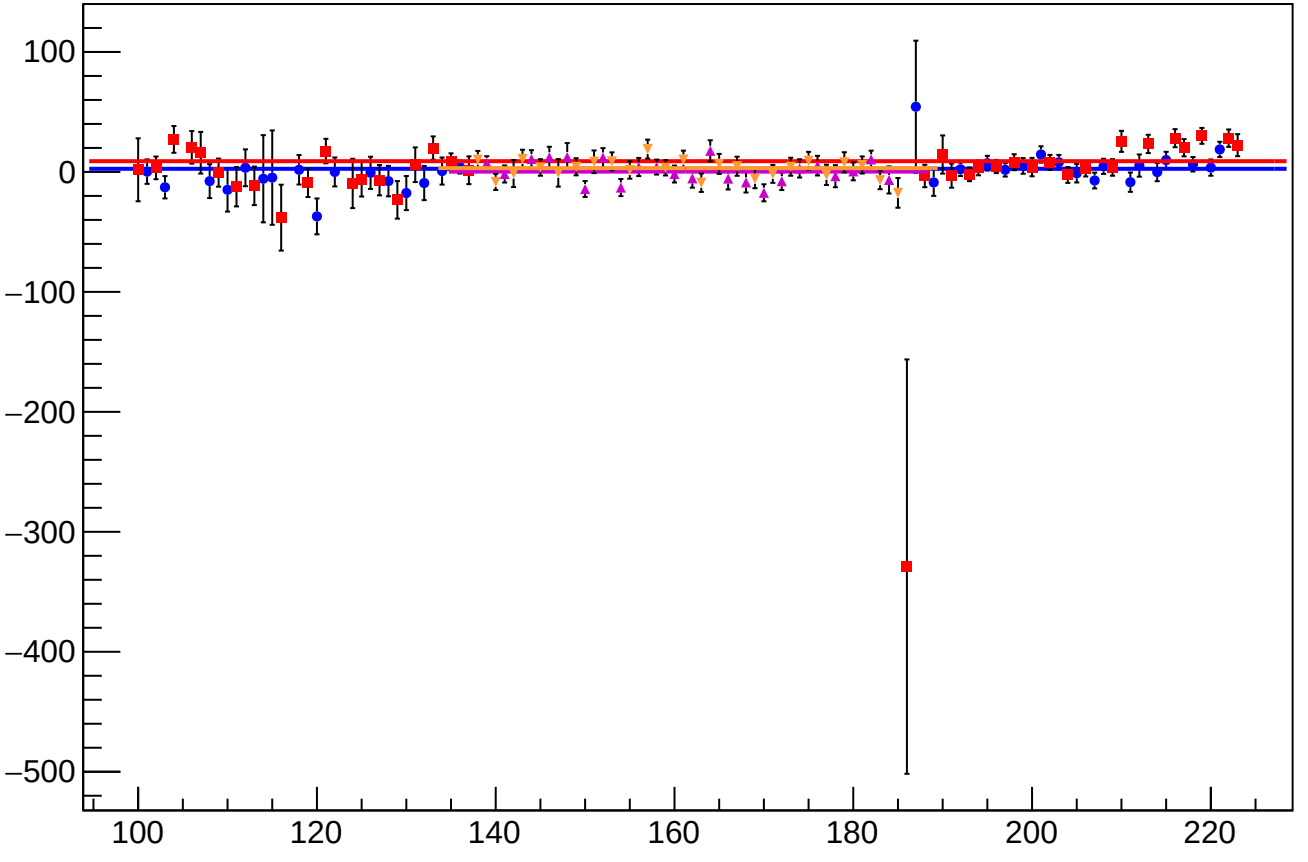
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10487.169+/-1.249 χ^2/NDF: 11804228.8/58

All: 10625.232+/-0.898 χ^2/NDF: 24467240.0

- sign 10772.996+/-1.292 χ^2/NDF: 12637701.2/61

diff_bpm4acY_mean vs Slug



Right In: 2.614+/-1.430 χ^2/NDF: 34.0/33

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 8.955+/-1.425 χ^2/NDF: 75.9/38

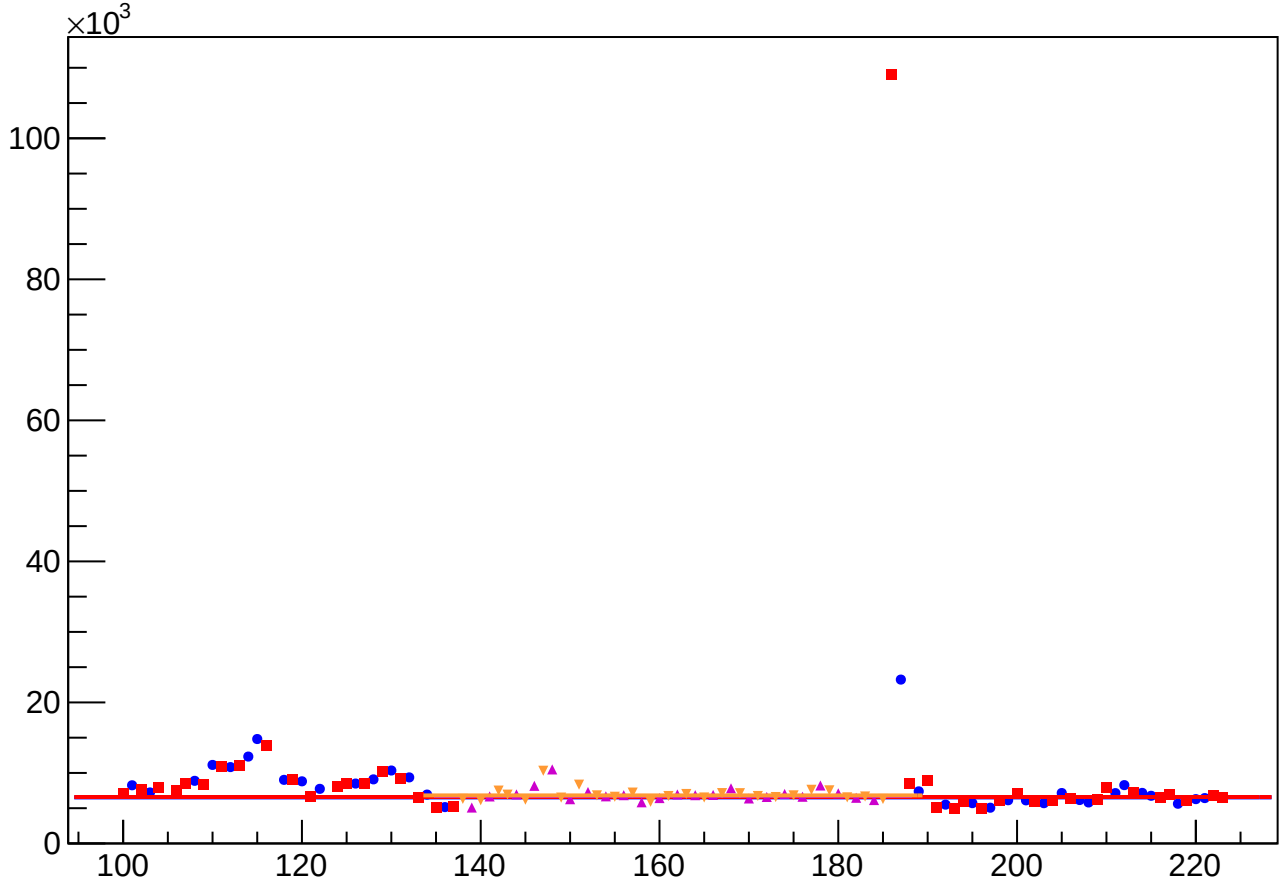
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.868+/-1.055 χ^2/NDF: 55.8/58

All: 3.969+/-0.748 χ^2/NDF: 184.7/120

- sign 5.085+/-1.061 χ^2/NDF: 126.7/61

diff_bpm4acY_rms vs Slug



Right In: 6528.797+/-1.011 χ^2/NDF: 1846828.1/33

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

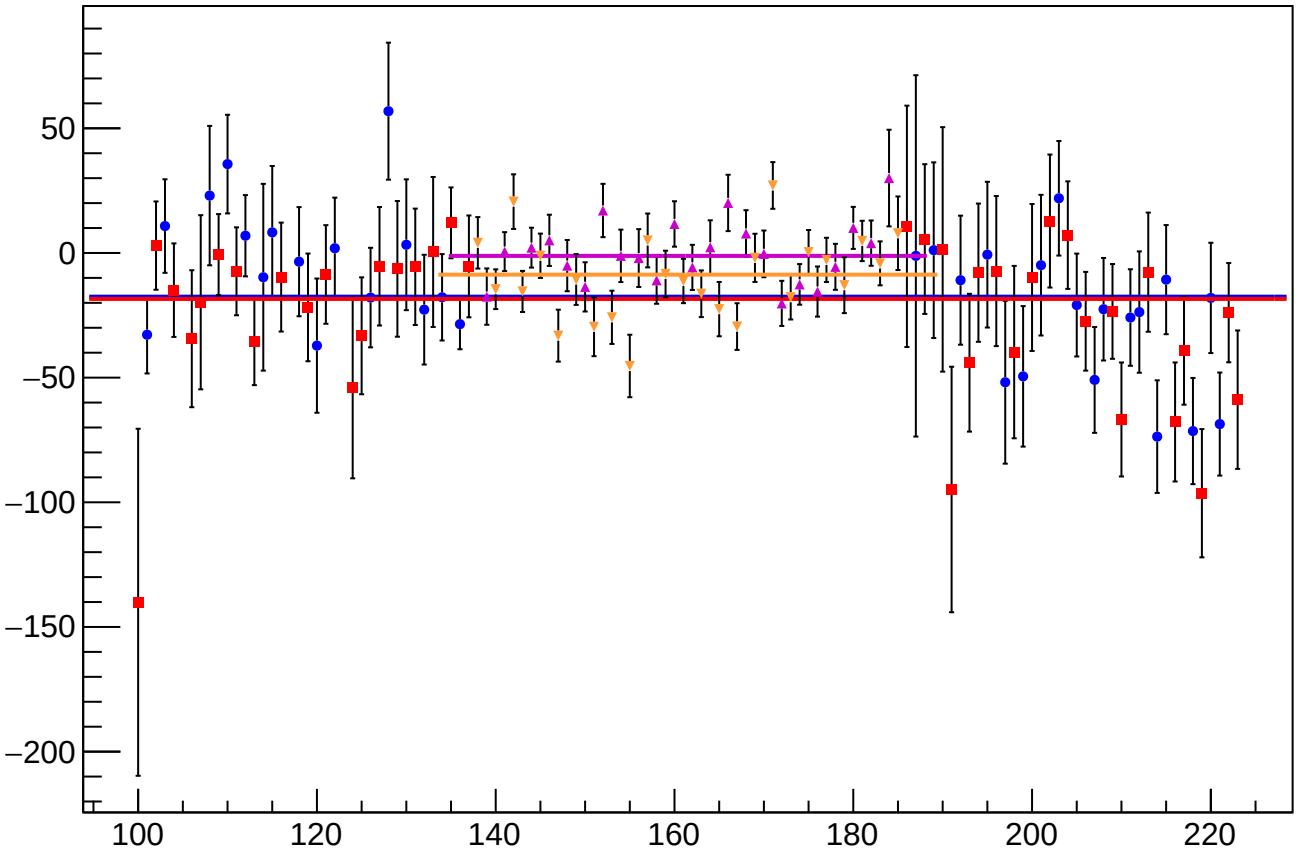
Right Out: 6586.715+/-1.008 χ^2/NDF: 2412447.4/38

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6658.363+/-0.746 χ^2/NDF: 2277469.3/58

All: 6654.011+/-0.529 χ^2/NDF: 5308759.4/12

- sign 6649.602+/-0.751 χ^2/NDF: 3031221.6/61



Right In: -17.528+/-3.674 χ^2/NDF: 54.8/33

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -18.440+/-3.745 χ^2/NDF: 44.9/38

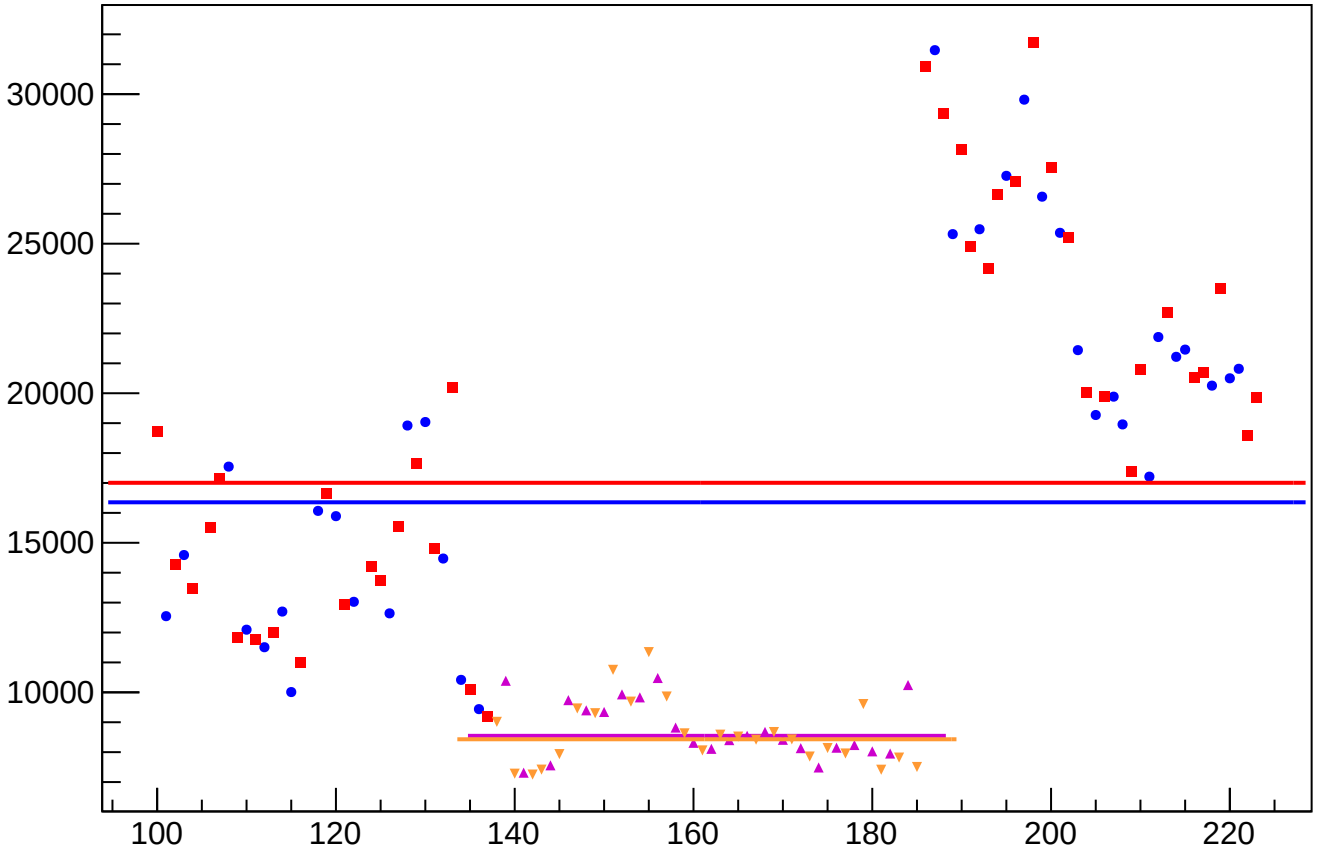
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -10.613+/-1.713 χ^2/NDF: 120.7/58

All: -7.923+/-1.232 χ^2/NDF: 215.8/120

- sign -5.042+/-1.773 χ^2/NDF: 90.0/61

diff_bpm4ecX_rms vs Slug



Right In: 16353.600+/-2.598 χ^2/NDF: 4215337.8/33

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

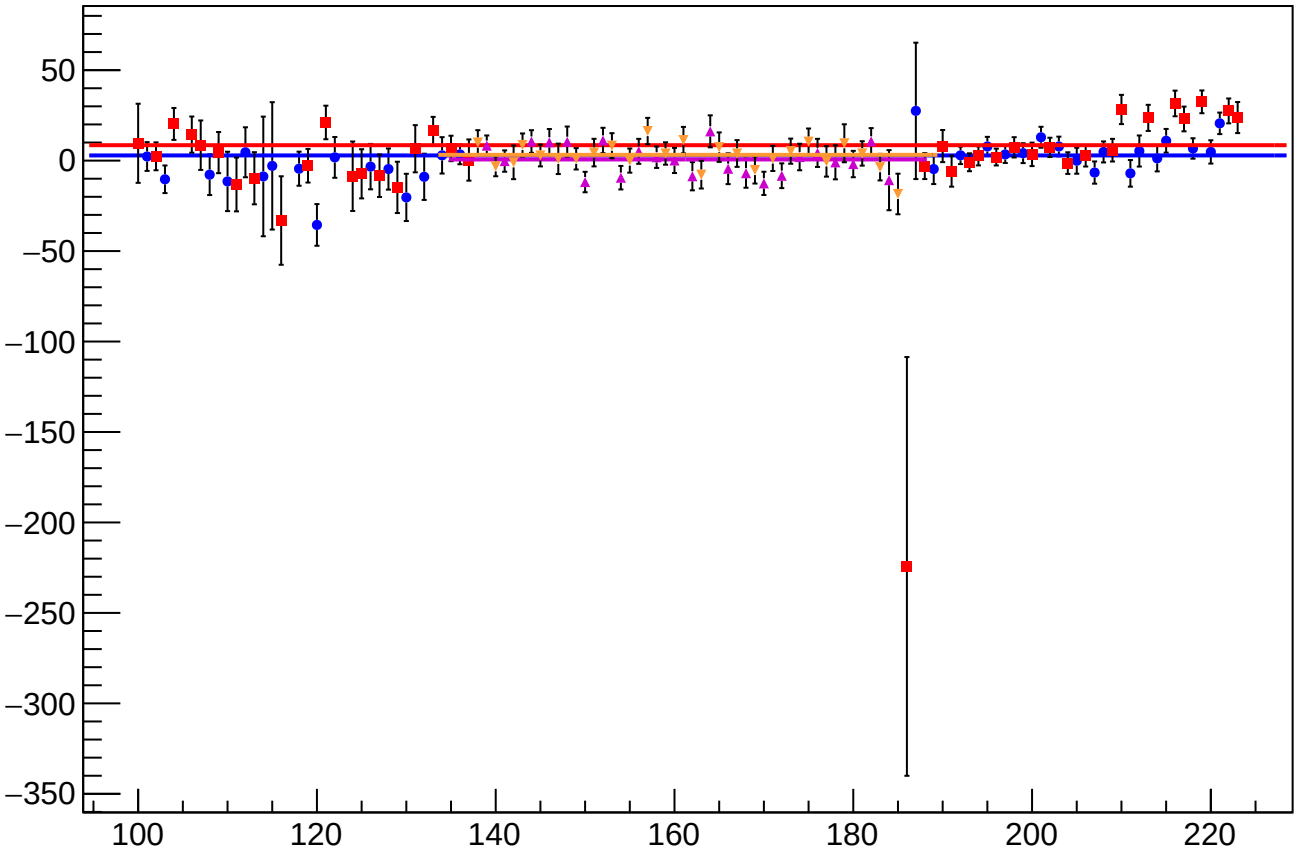
Right Out: 17005.805+/-2.648 χ^2/NDF: 4352407.5/38

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 10152.944+/-1.211 χ^2/NDF: 11980039.1/58

All: 10292.036+/-0.871 χ^2/NDF: 24669353.8/

- sign 10441.014+/-1.253 χ^2/NDF: 12662000.0/61



Right In: 2.865+/-1.273 χ^2/NDF: 42.8/33

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 8.525+/-1.253 χ^2/NDF: 93.1/38

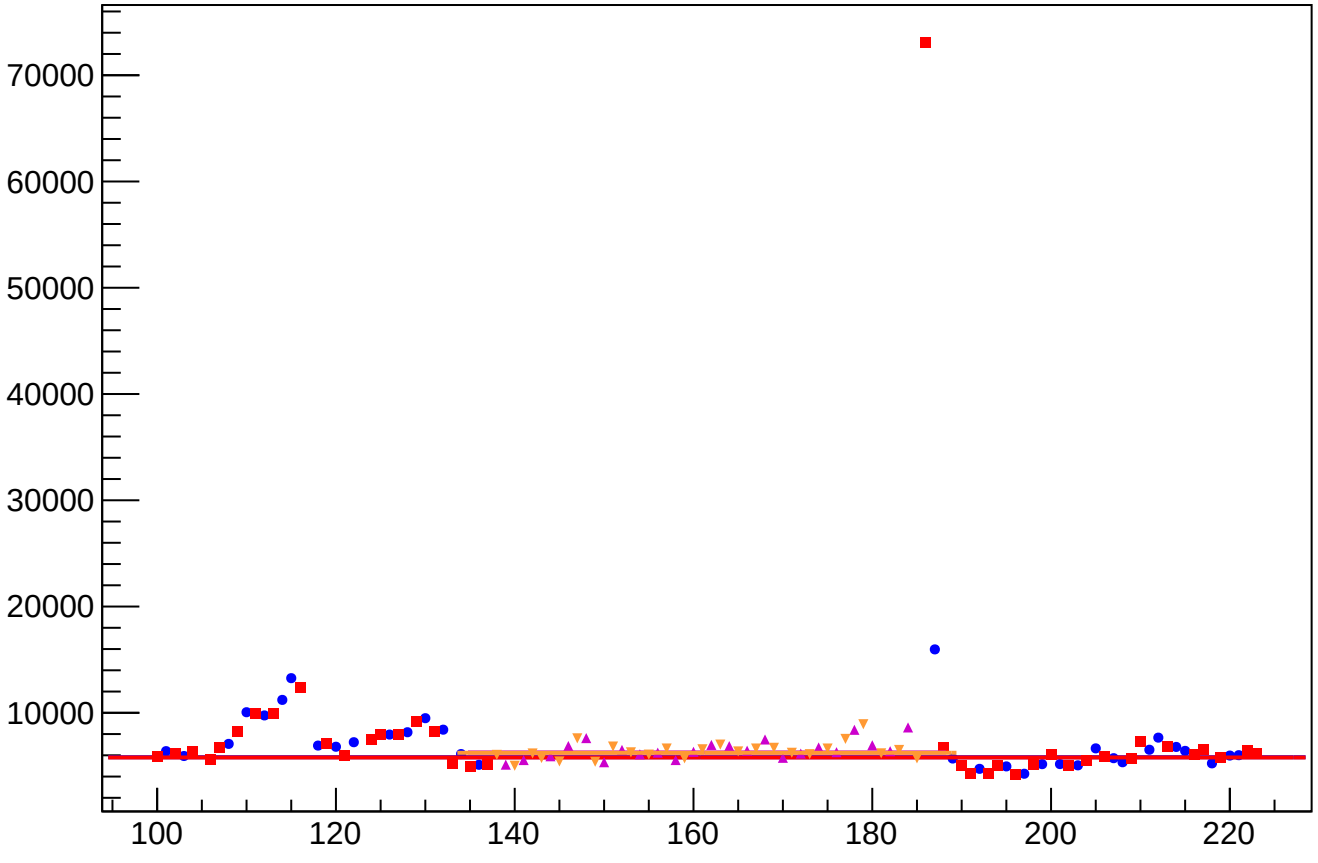
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 3.006+/-0.952 χ^2/NDF: 61.5/58

All: 4.115+/-0.675 χ^2/NDF: 205.7/120

- sign 5.235+/-0.957 χ^2/NDF: 141.4/61

diff_bpm4ecY_rms vs Slug



Right In: 5819.741+/-0.900 χ^2/NDF: 1804519.8/33

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5796.384+/-0.886 χ^2/NDF: 2462600.3/38

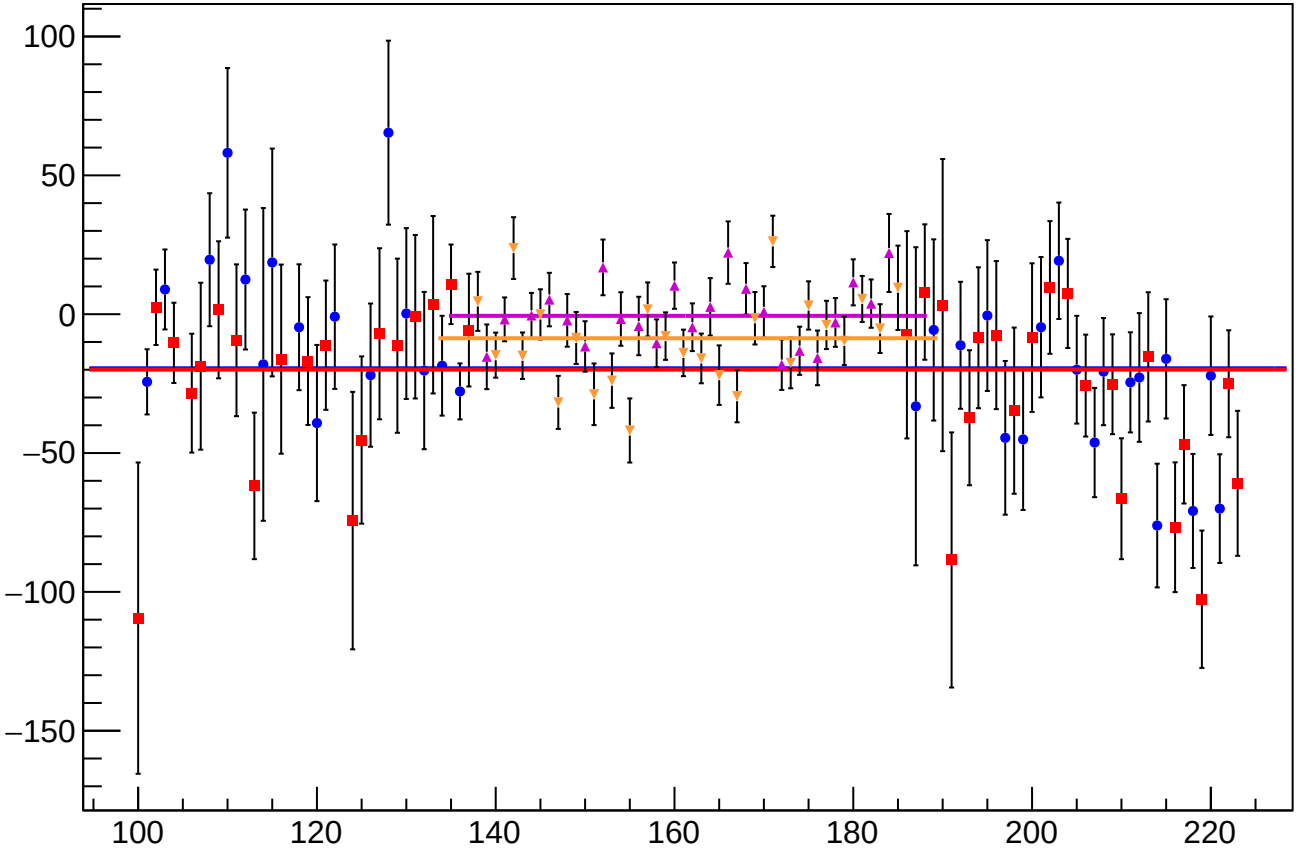
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6003.977+/-0.673 χ^2/NDF: 2407297.4/58

All: 5998.576+/-0.477 χ^2/NDF: 5512622.0/12

- sign 5993.125+/-0.677 χ^2/NDF: 3105195.3/61

diff_bpm1X_mean vs Slug



Right In: -19.482+/-3.648 χ^2/NDF: 52.6/33

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -19.953+/-3.766 χ^2/NDF: 52.5/38

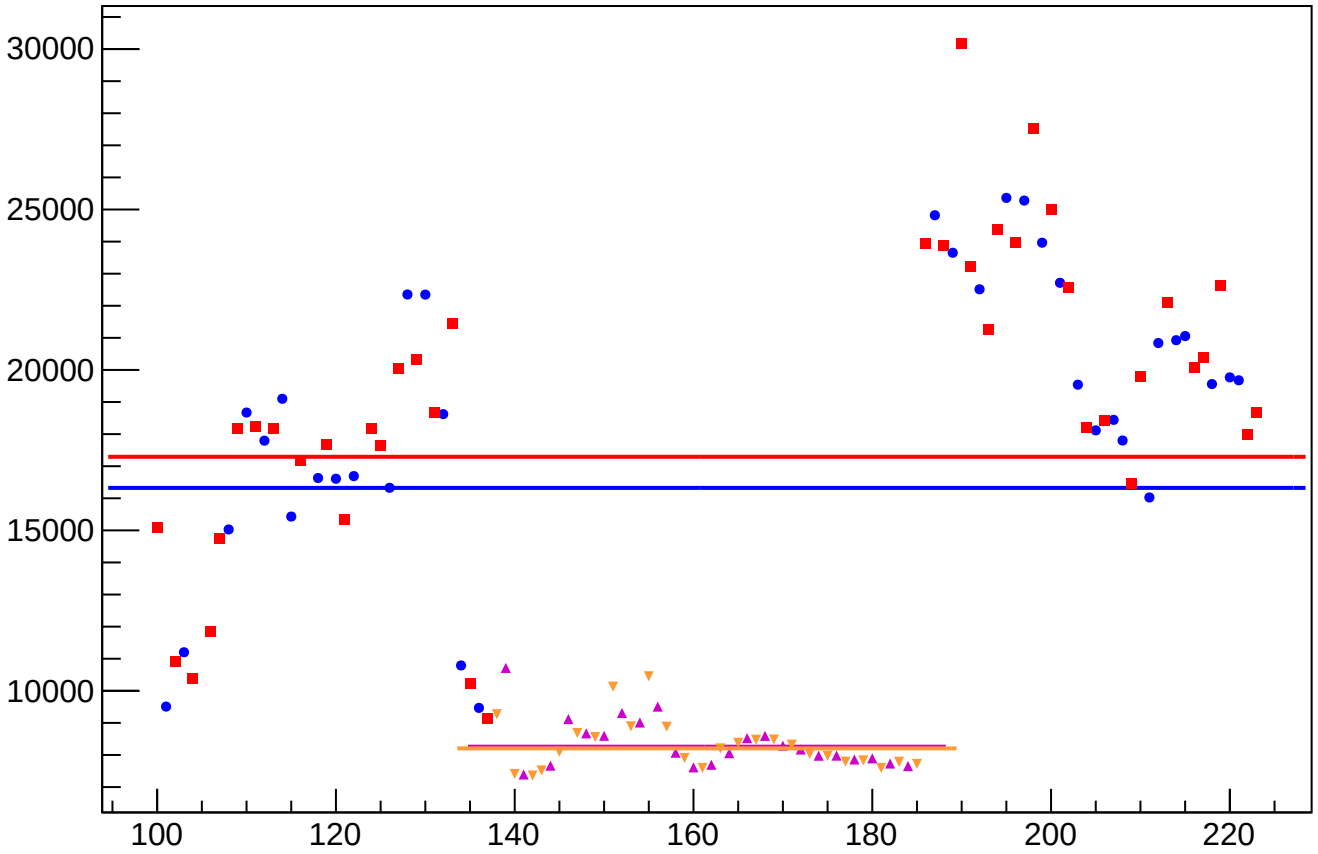
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -10.914+/-1.668 χ^2/NDF: 122.6/58

All: -7.882+/-1.199 χ^2/NDF: 231.4/120

- sign -4.641+/-1.724 χ^2/NDF: 102.0/61

diff_bpm1X_rms vs Slug



Right In: 16324.445+/-2.579 χ^2/NDF: 3778945.6/33

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

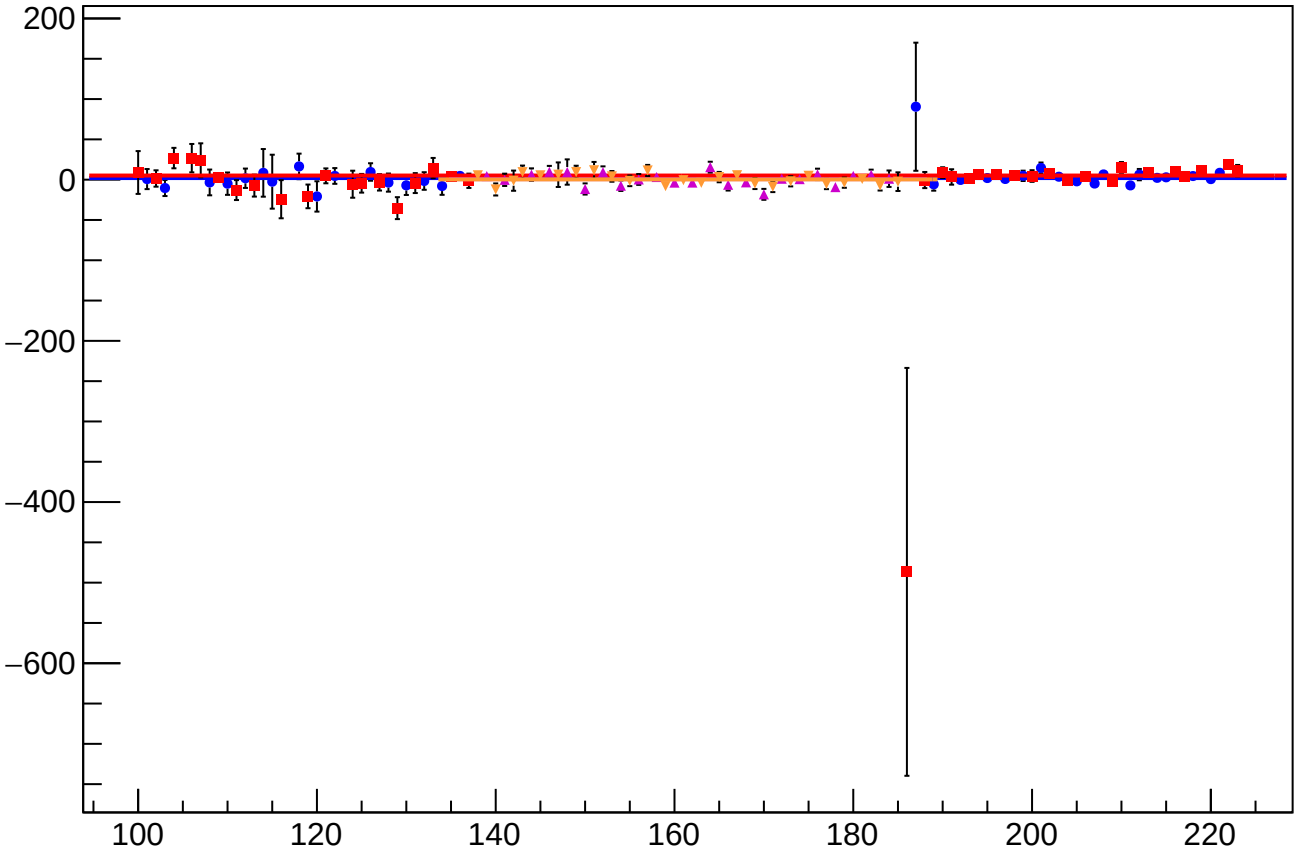
Right Out: 17293.047+/-2.663 χ^2/NDF: 3446115.0/38

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9901.700+/-1.179 χ^2/NDF: 11891200.5/58

All: 10022.645+/-0.848 χ^2/NDF: 24713733.8

- sign 10151.872+/-1.219 χ^2/NDF: 12800773.7/61



Right In: 2.001+/-1.208 χ^2/NDF: 20.8/33

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 5.115+/-1.175 χ^2/NDF: 46.0/38

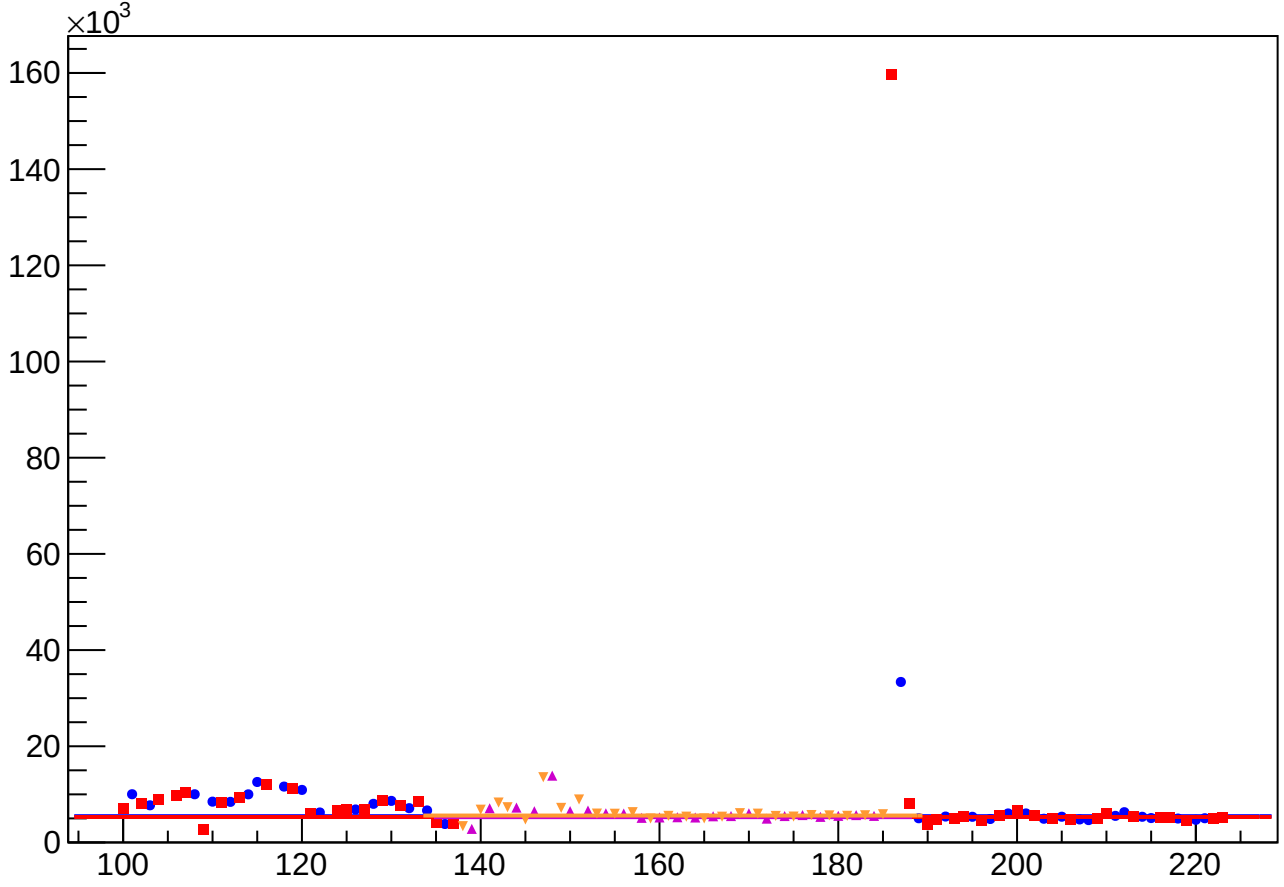
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 1.251+/-0.892 χ^2/NDF: 43.2/58

All: 2.209+/-0.622 χ^2/NDF: 127.7/120

- sign 3.120+/-0.869 χ^2/NDF: 82.3/61

diff_bpm1Y_rms vs Slug



Right In: 5463.876+/-0.854 χ^2/NDF: 2569552.9/33

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5295.423+/-0.831 χ^2/NDF: 3879930.3/38

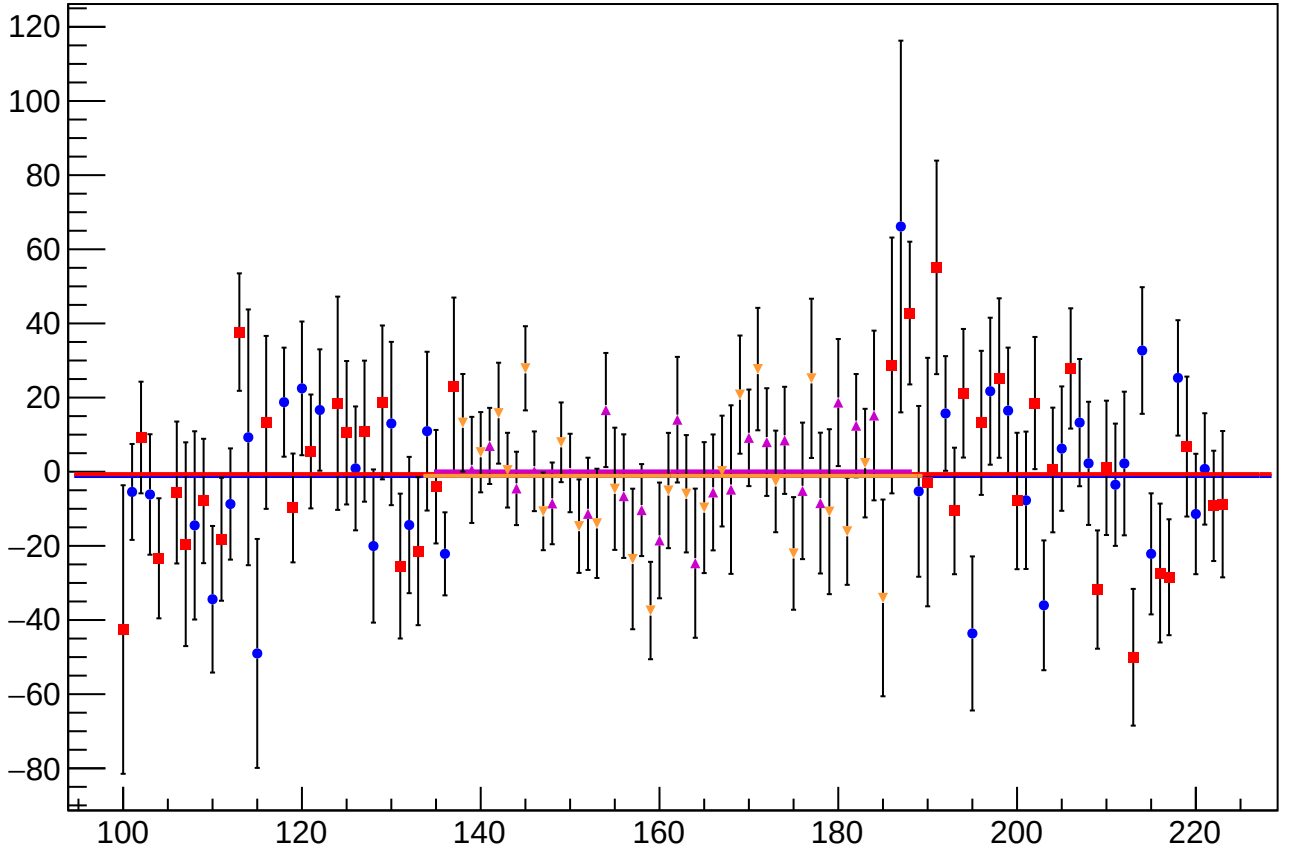
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5523.323+/-0.630 χ^2/NDF: 4364458.7/58

All: 5398.849+/-0.440 χ^2/NDF: 10746701.2/1

- sign 5280.629+/-0.614 χ^2/NDF: 6306235.0/61

diff_bpm11X_mean vs Slug



Right In: -1.158+/-3.013 χ^2/NDF: 40.0/33

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

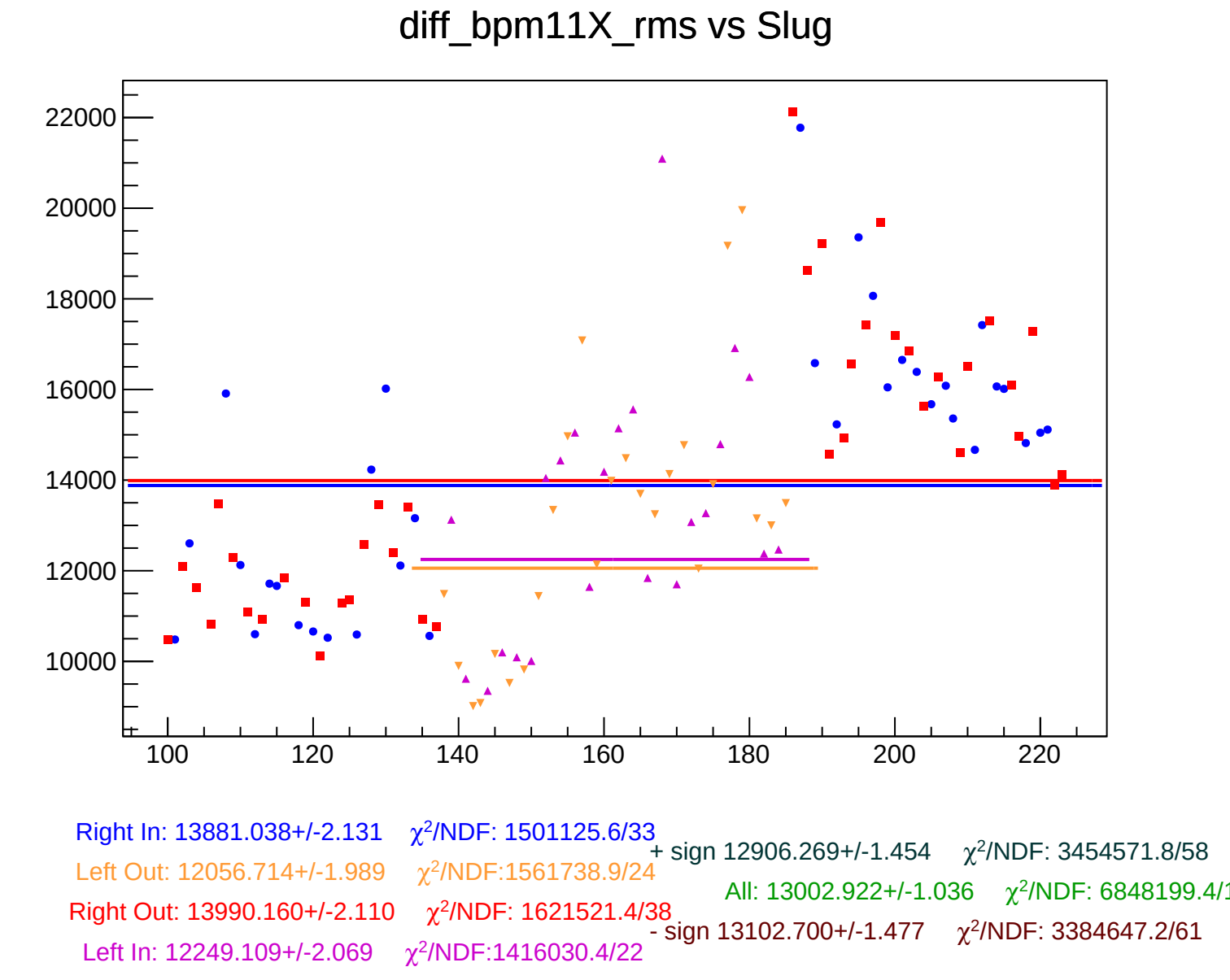
Right Out: -0.637+/-2.984 χ^2/NDF: 52.6/38

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

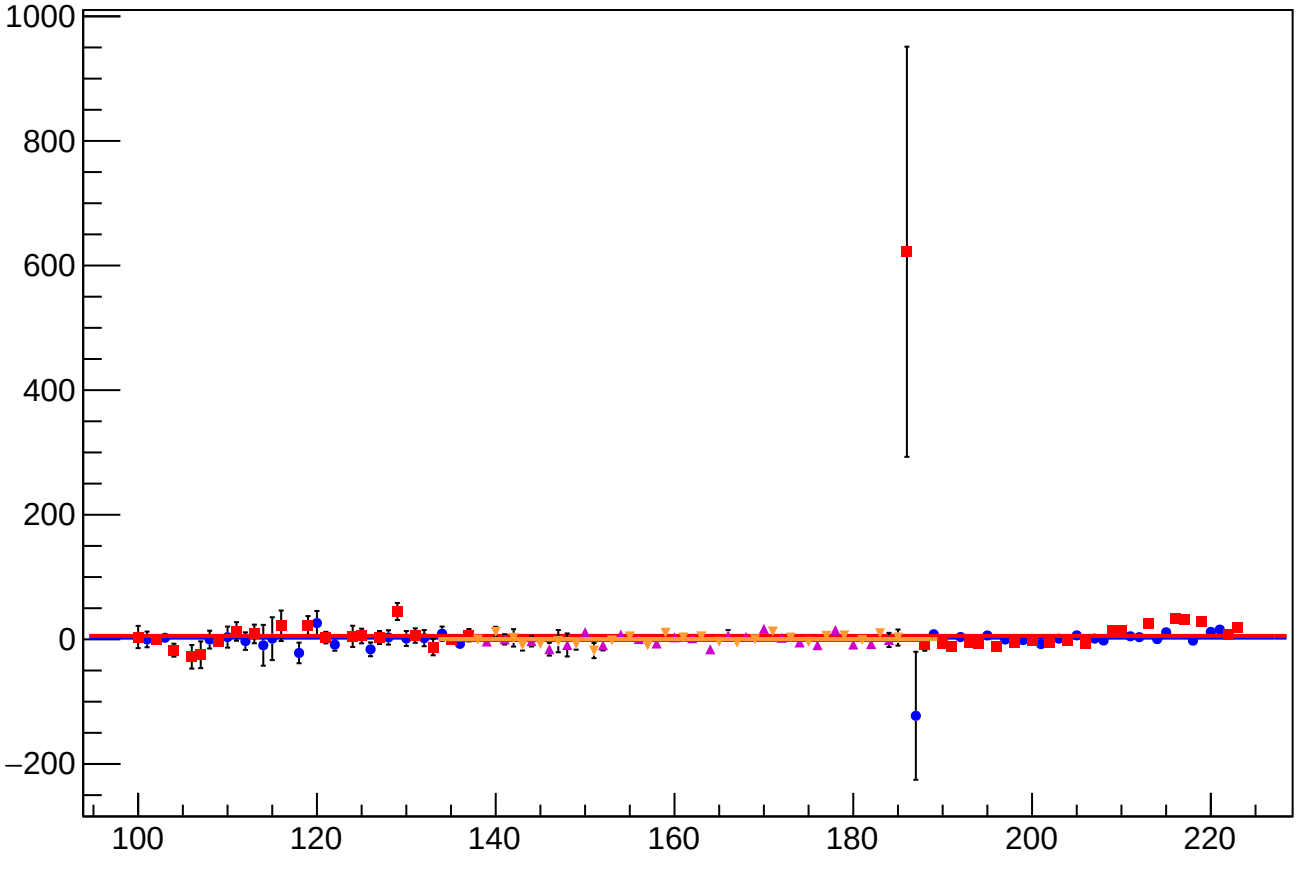
+ sign -1.133+/-2.056 χ^2/NDF: 73.8/58

All: -0.708+/-1.466 χ^2/NDF: 137.9/120

- sign -0.269+/-2.089 χ^2/NDF: 64.1/61


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
220
Right In: 13881.038+/-2.131 χ²/NDF: 1501125.6/33
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13990.160+/-2.110 χ²/NDF: 1621521.4/38
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12906.269+/-1.454 χ²/NDF: 3454571.8/58
All: 13002.922+/-1.036 χ²/NDF: 6848199.4/1
- sign 13102.700+/-1.477 χ²/NDF: 3384647.2/61

diff_bpm11Y_mean vs Slug



Right In: 2.779+/-1.013 χ^2/NDF: 41.0/33

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 5.561+/-1.015 χ^2/NDF: 209.6/38

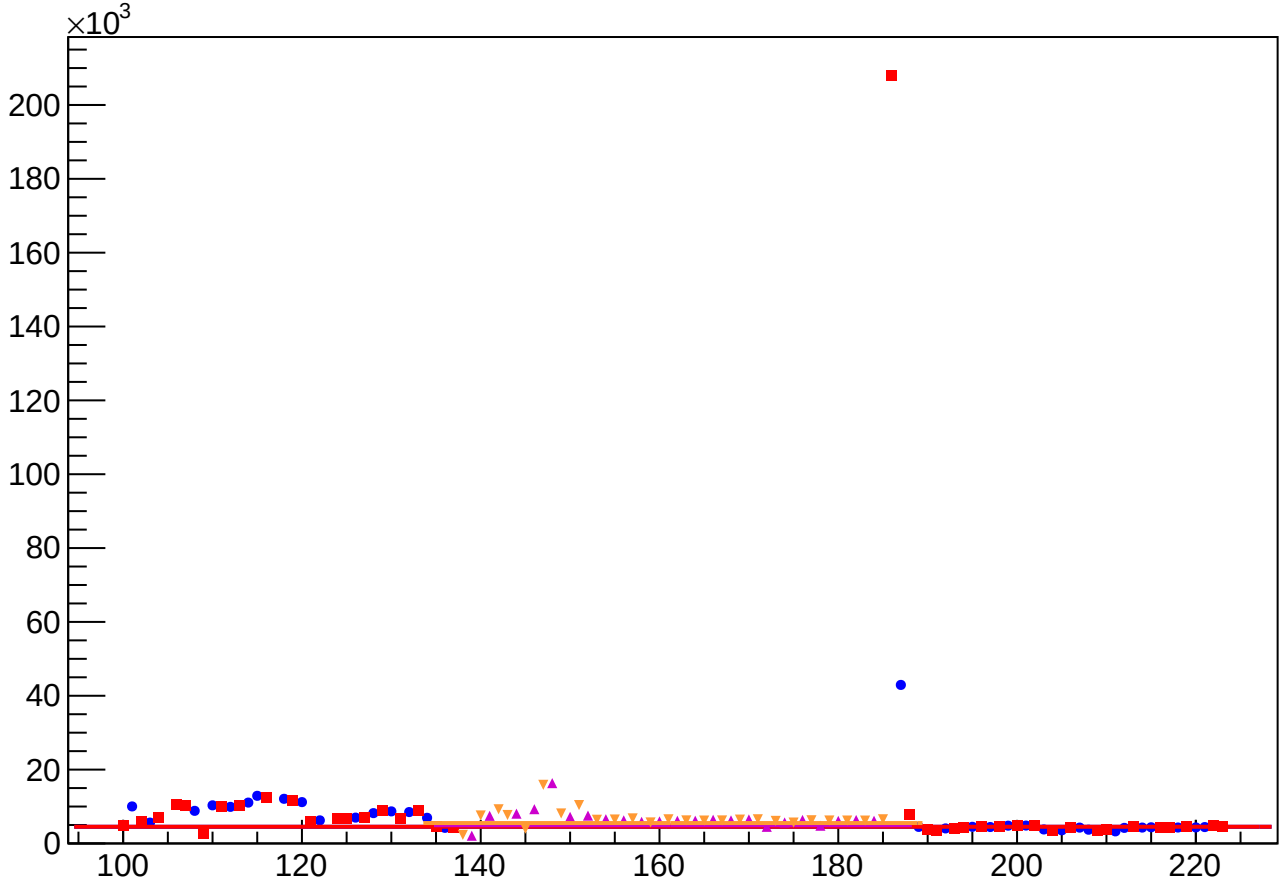
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 1.981+/-0.814 χ^2/NDF: 64.2/58

All: 2.543+/-0.570 χ^2/NDF: 322.6/120

- sign 3.084+/-0.799 χ^2/NDF: 257.5/61

diff_bpm11Y_rms vs Slug



Right In: 4508.877+/-0.716 χ^2/NDF: 3733219.6/33

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4523.438+/-0.717 χ^2/NDF: 4248543.1/38

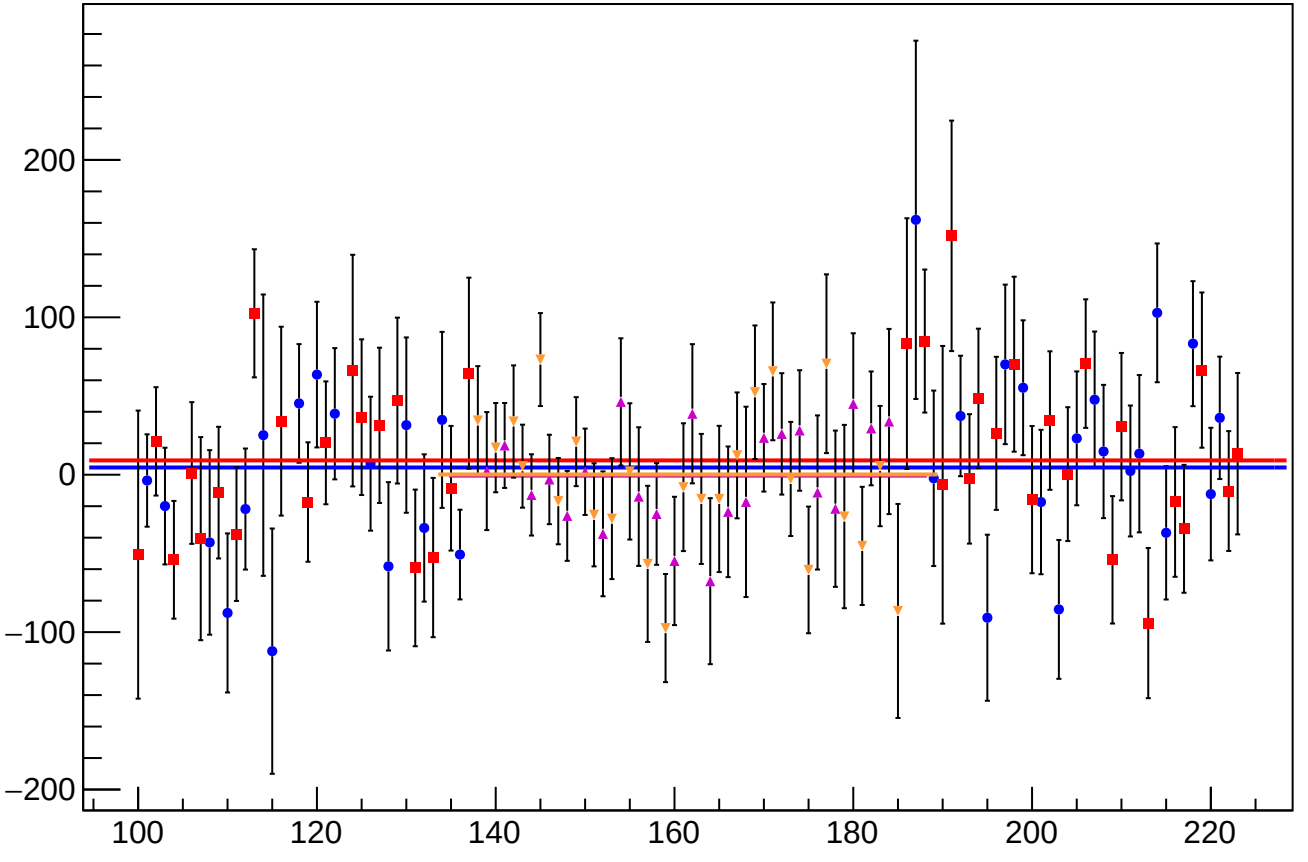
Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 4869.616+/-0.576 χ^2/NDF: 8825204.6/58

All: 4774.353+/-0.403 χ^2/NDF: 19193084.2/1

- sign 4682.754+/-0.565 χ^2/NDF: 10314193.2/61

diff_bpm12X_mean vs Slug



Right In: 4.595+/-7.574 χ^2/NDF: 42.4/33

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 9.088+/-7.494 χ^2/NDF: 40.6/38

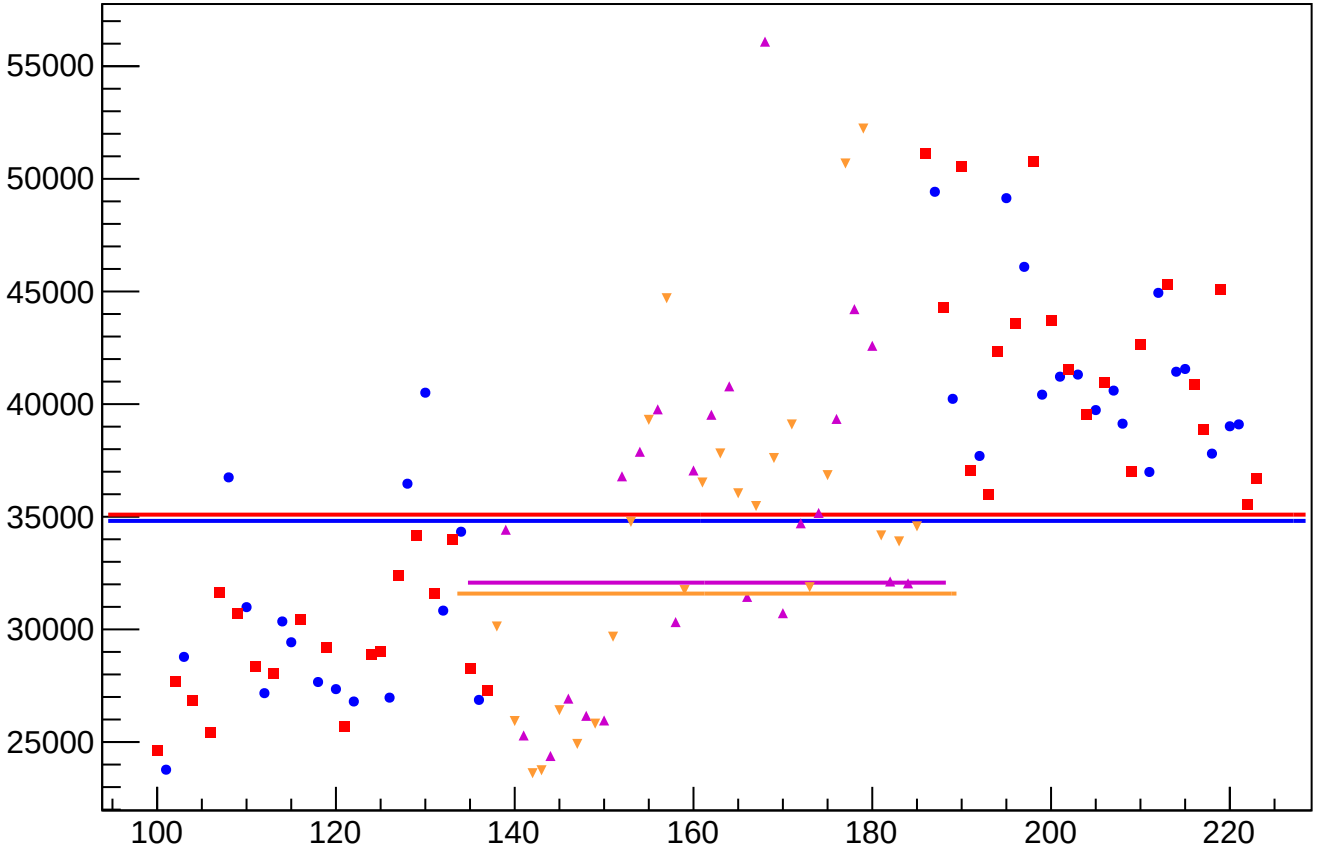
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 2.322+/-5.284 χ^2/NDF: 73.7/58

All: 3.328+/-3.763 χ^2/NDF: 128.0/120

- sign 4.362+/-5.359 χ^2/NDF: 54.2/61

diff_bpm12X_rms vs Slug



Right In: 34816.399+/-5.355 χ^2/NDF: 1650739.1/33

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 35094.275+/-5.299 χ^2/NDF: 1729317.6/38

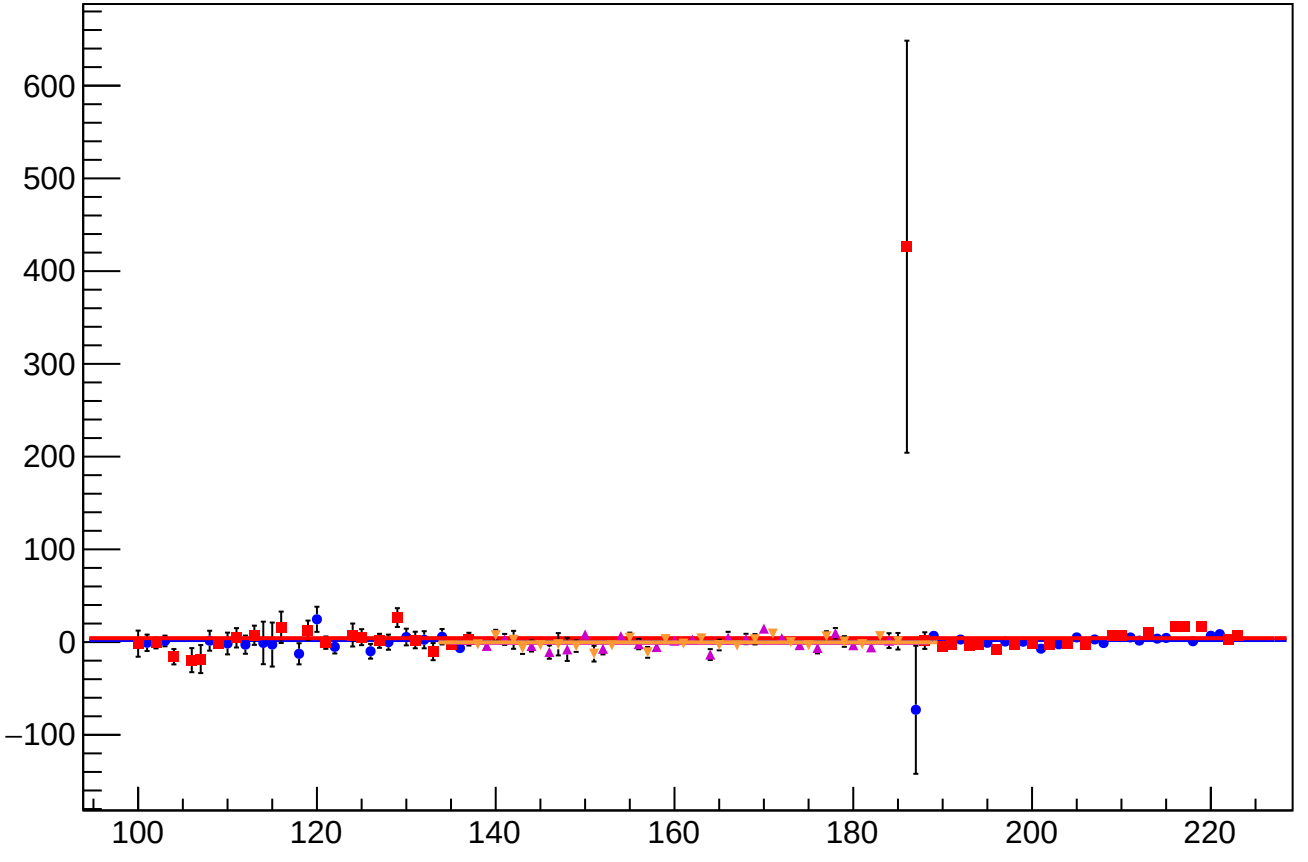
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 33160.171+/-3.736 χ^2/NDF: 3427927.5/58

All: 33386.394+/-2.661 χ^2/NDF: 6779009.8/1

- sign 33619.121+/-3.789 χ^2/NDF: 3343644.4/61

diff_bpm12Y_mean vs Slug



Right In: 2.229+/-0.573 χ^2/NDF: 50.4/33

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

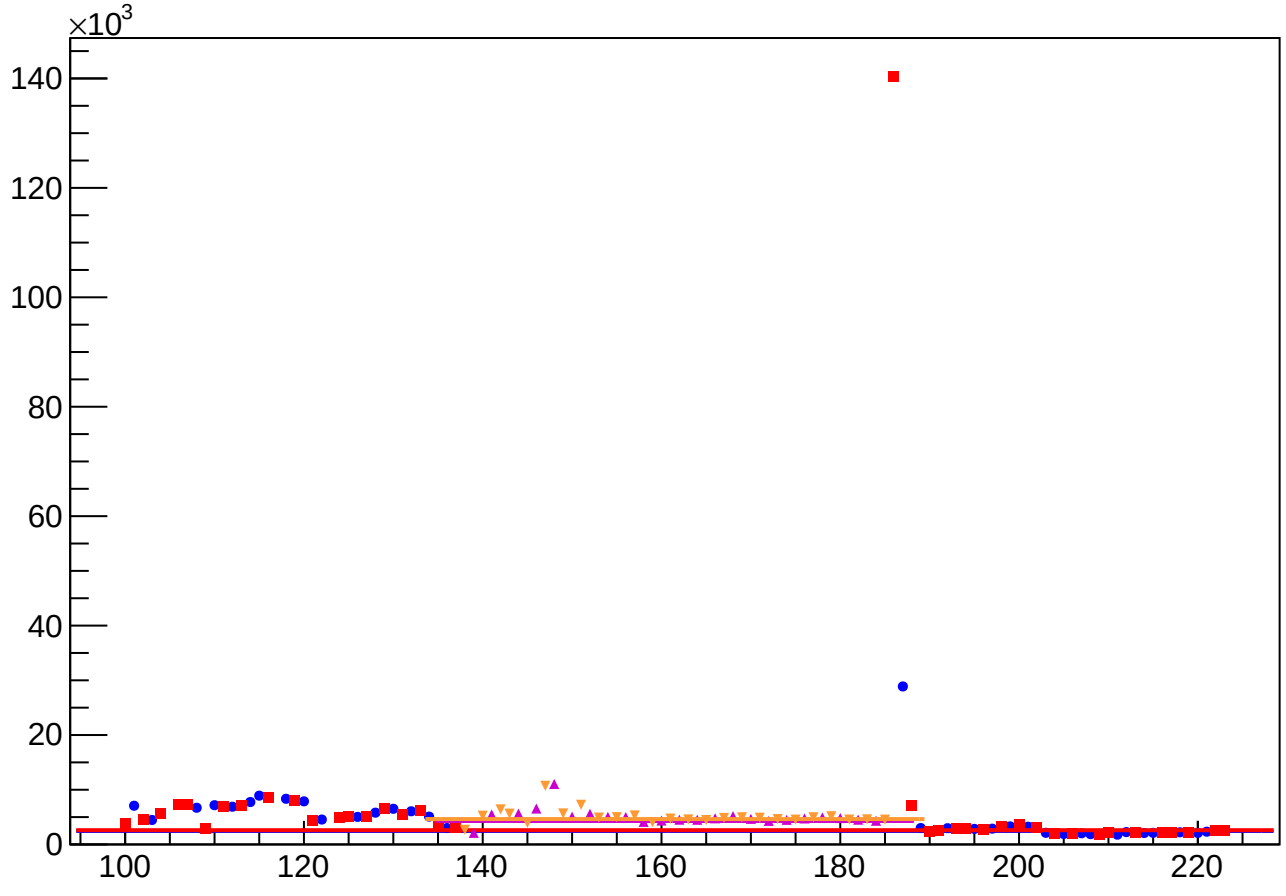
Right Out: 4.238+/-0.598 χ^2/NDF: 184.9/38

Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign 1.700+/-0.508 χ^2/NDF: 74.2/58

All: 2.345+/-0.364 χ^2/NDF: 313.3/120

- sign 3.024+/-0.521 χ^2/NDF: 235.7/61



Right In: 2474.214+/-0.405 χ^2/NDF: 6109634.4/33

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2603.882+/-0.423 χ^2/NDF: 6564020.0/38

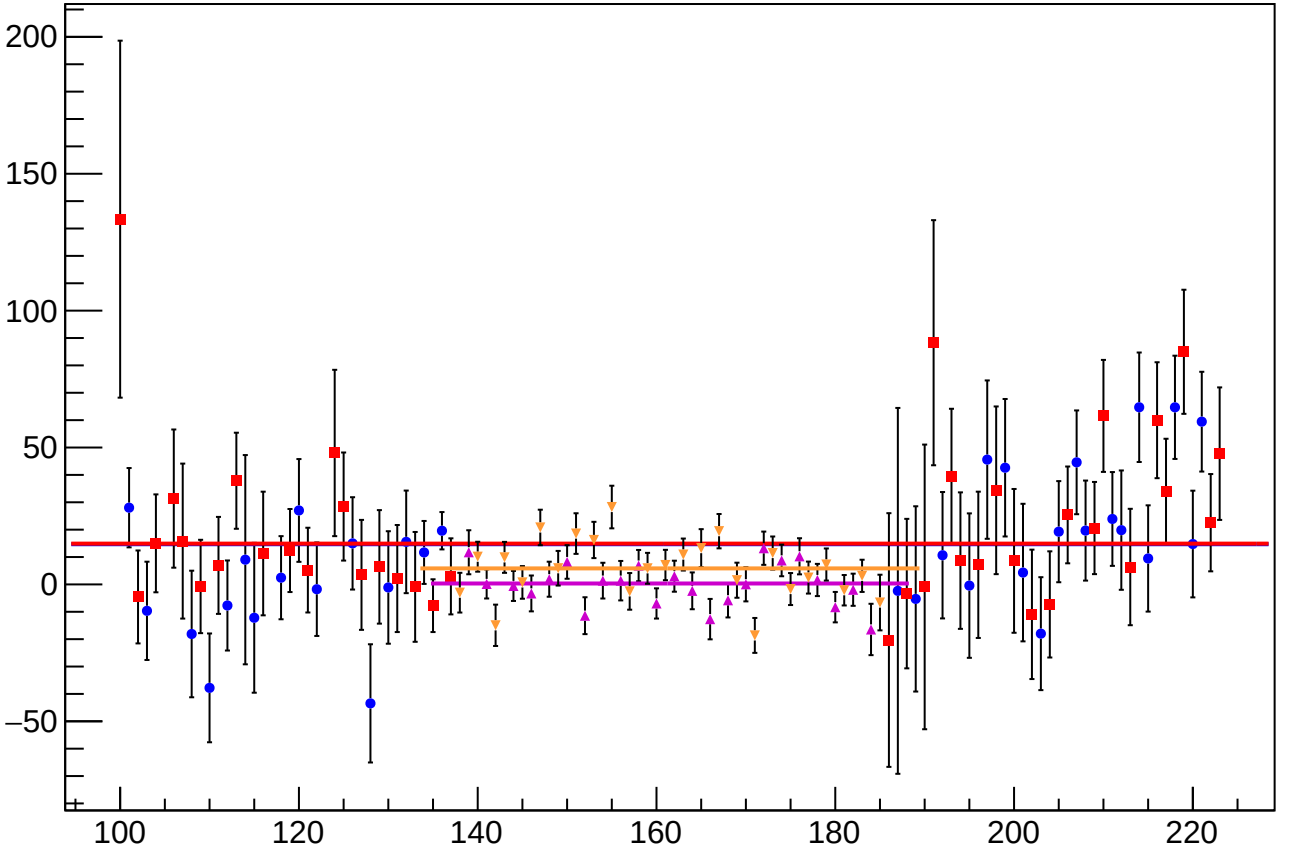
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 2940.206+/-0.359 χ^2/NDF: 14008638.4/58

All: 2975.313+/-0.257 χ^2/NDF: 27544864.6/1

- sign 3012.310+/-0.369 χ^2/NDF: 13516587.3/61

diff_bpm16X_mean vs Slug



Right In: 14.679+/-3.050 χ^2/NDF: 53.2/33

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 14.899+/-3.212 χ^2/NDF: 48.6/38

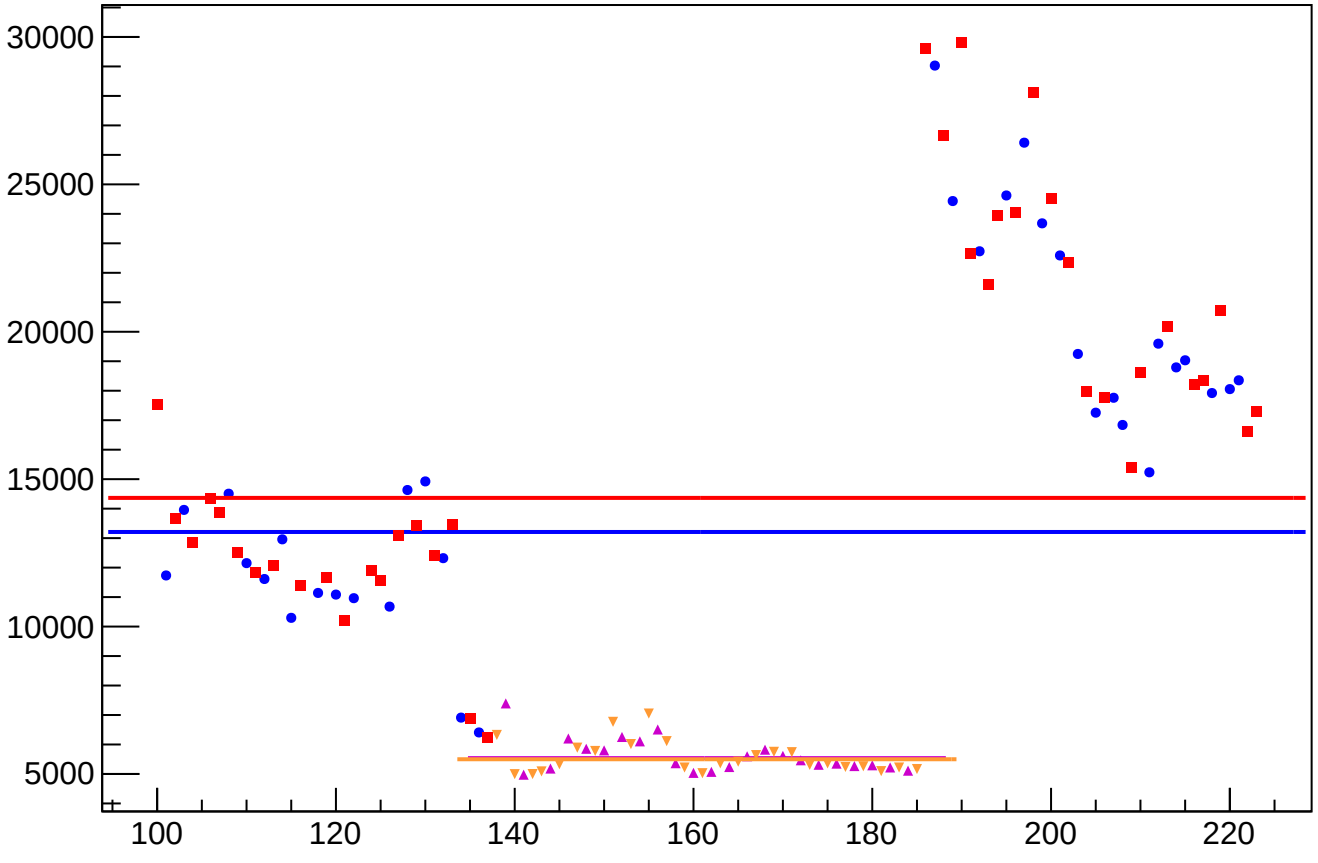
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 7.132+/-1.162 χ^2/NDF: 120.4/58

All: 4.846+/-0.837 χ^2/NDF: 224.0/120

- sign 2.388+/-1.206 χ^2/NDF: 95.6/61

diff_bpm16X_rms vs Slug



Right In: 13208.625+/-2.157 χ^2/NDF: 6331654.6/33

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 14364.631+/-2.271 χ^2/NDF: 5626218.4/38

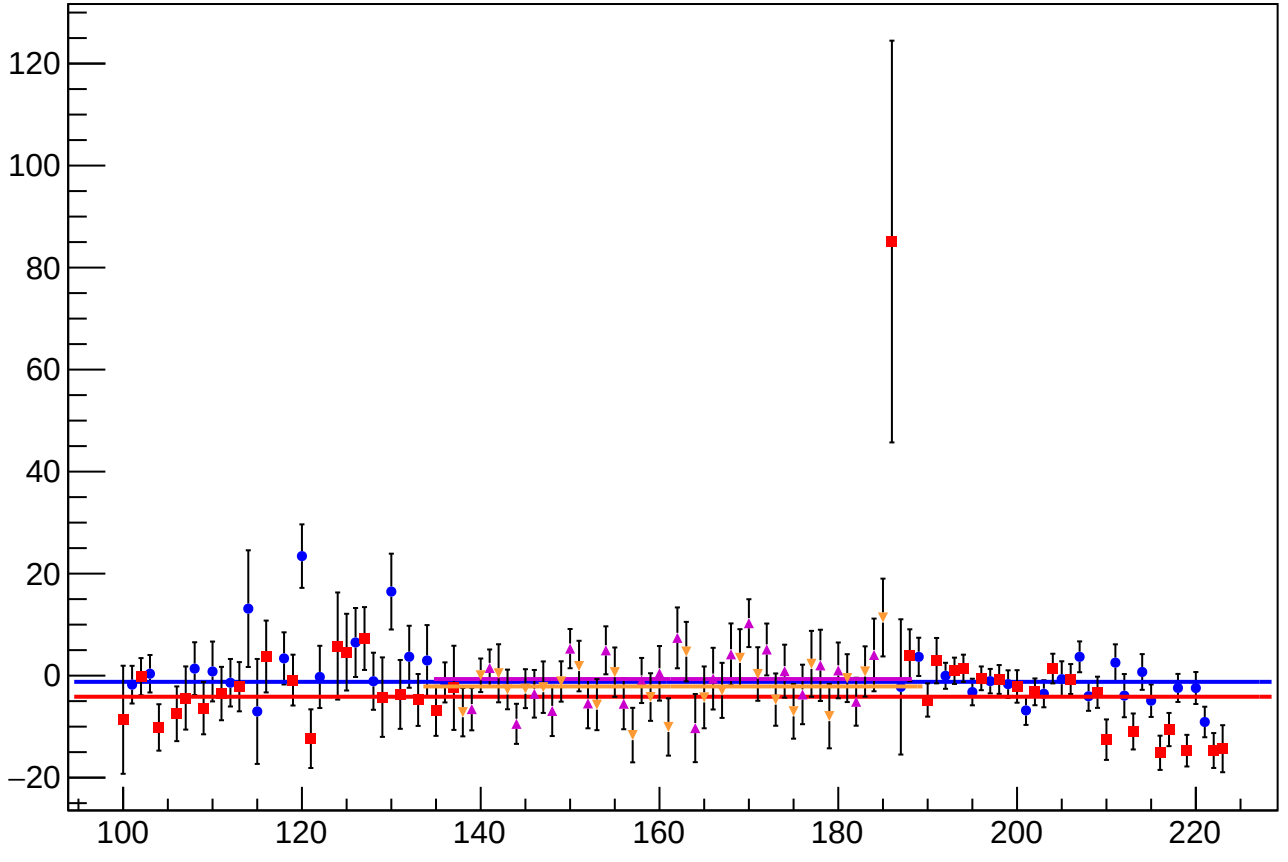
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6619.188+/-0.822 χ^2/NDF: 17551545.5/58

All: 6697.275+/-0.592 χ^2/NDF: 36474466.2/1

- sign 6781.273+/-0.853 χ^2/NDF: 18904189.0/61

diff_bpm16Y_mean vs Slug



Right In: -1.218+/-0.635 χ^2/NDF: 48.2/33

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -4.138+/-0.630 χ^2/NDF: 90.5/38

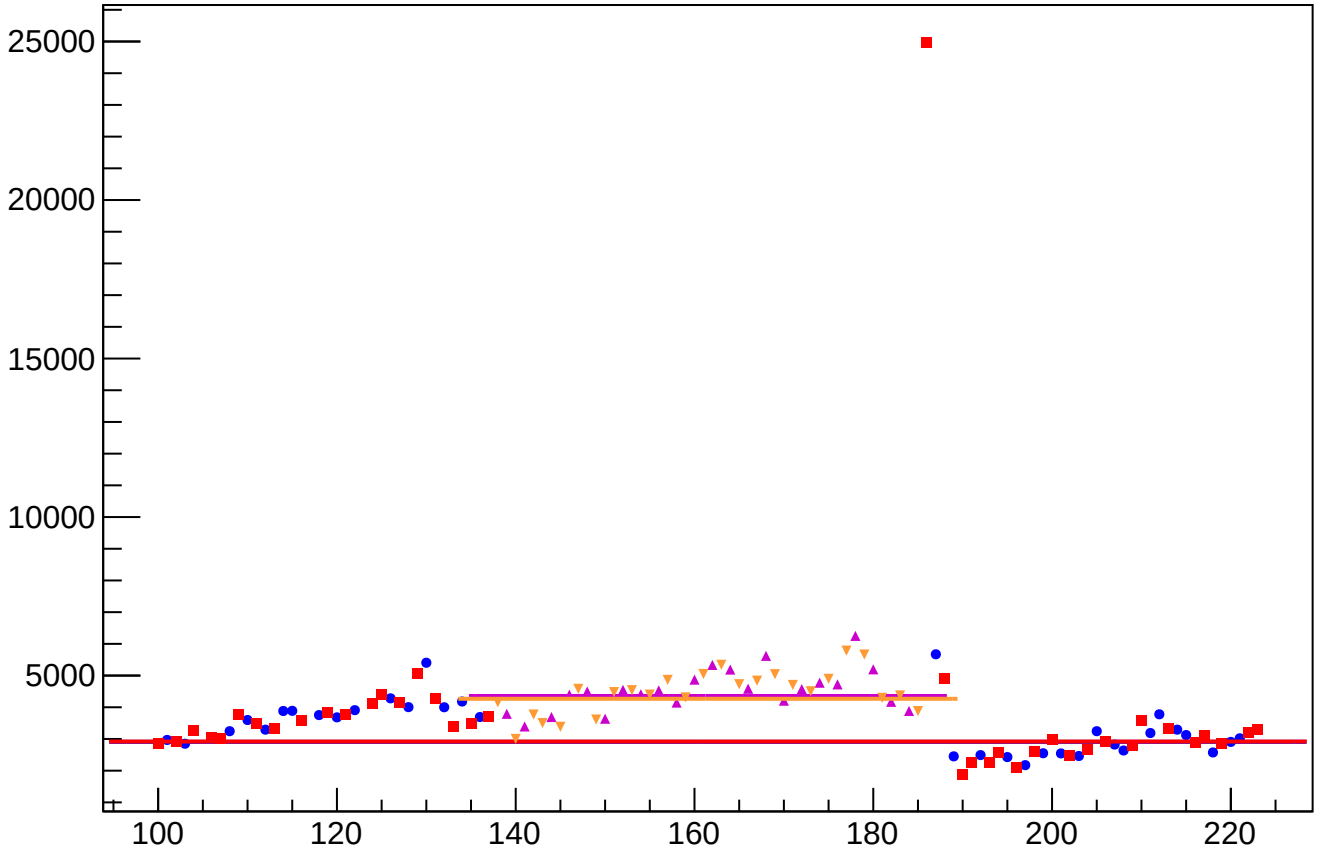
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.481+/-0.534 χ^2/NDF: 66.3/58

All: -2.333+/-0.379 χ^2/NDF: 198.5/120

- sign -3.195+/-0.537 χ^2/NDF: 127.1/61

diff_bpm16Y_rms vs Slug



Right In: 2909.583+/-0.449 χ^2/NDF: 1569135.0/33

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2919.067+/-0.445 χ^2/NDF: 2551700.8/38

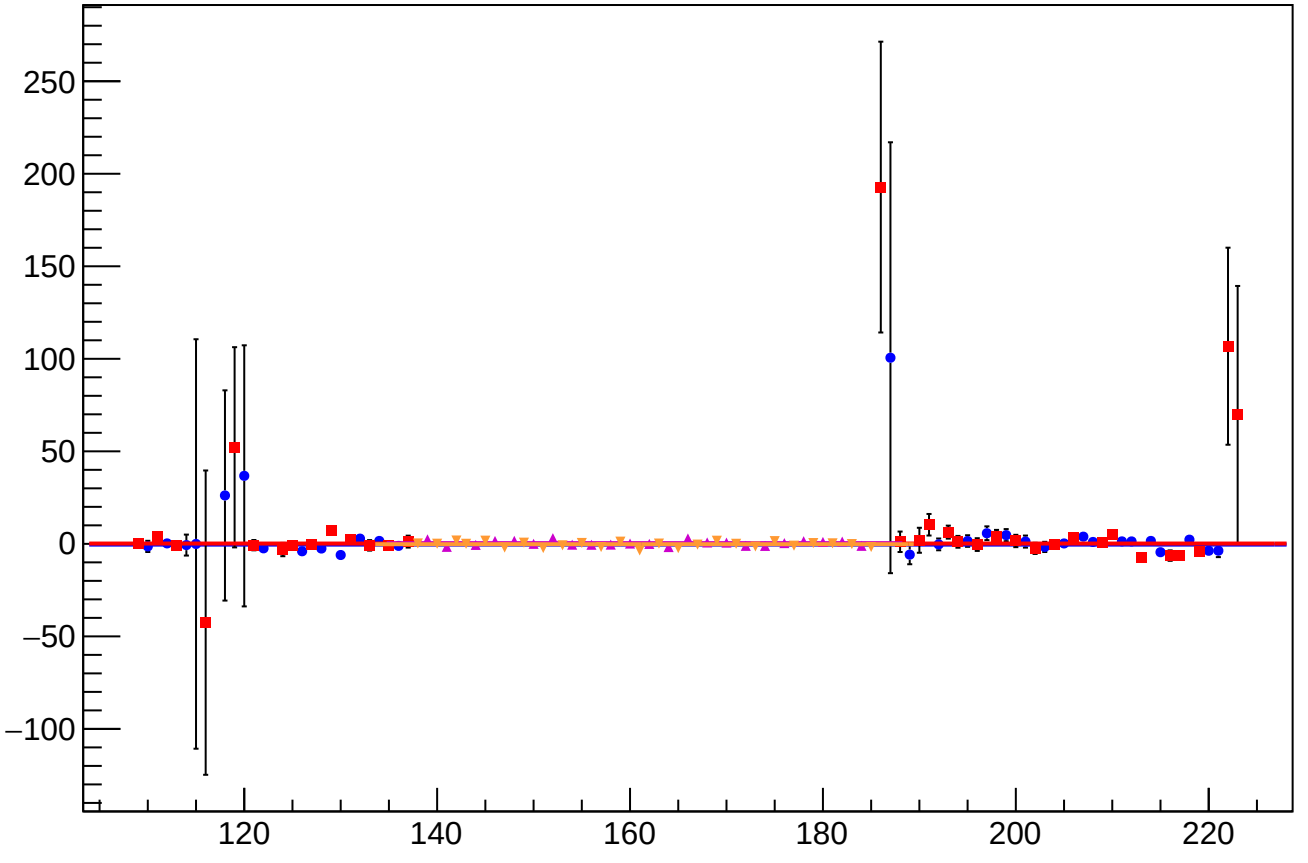
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3307.170+/-0.378 χ^2/NDF: 5280191.5/58

All: 3308.371+/-0.268 χ^2/NDF: 11404124.5/1

- sign 3309.587+/-0.380 χ^2/NDF: 6123912.7/61

diff_bpm1p02bX_mean vs Slug



Right In: -0.409+/-0.479 χ^2/NDF: 35.7/30

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.171+/-0.497 χ^2/NDF: 65.0/33

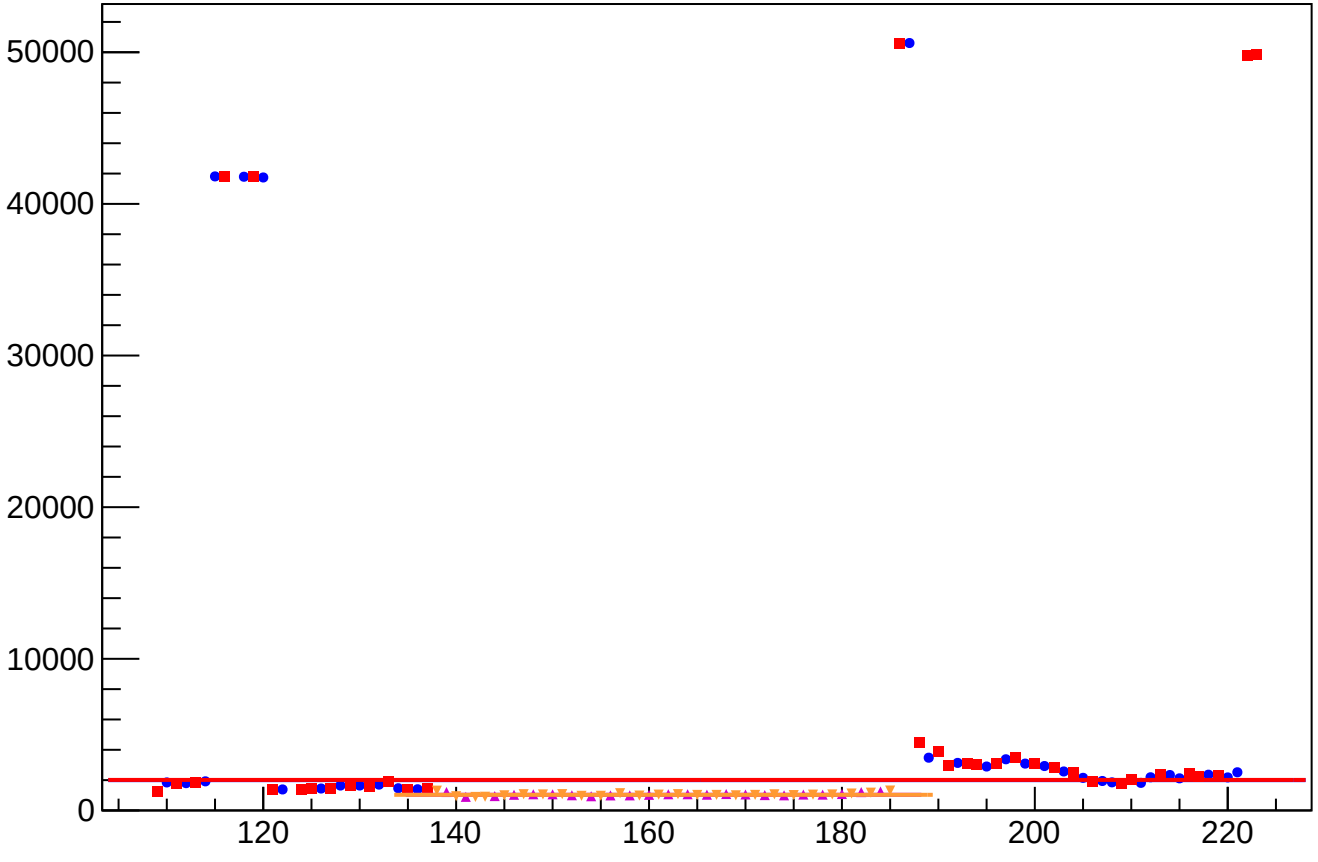
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.242+/-0.211 χ^2/NDF: 69.7/55

All: 0.022+/-0.152 χ^2/NDF: 167.5/112

- sign 0.302+/-0.218 χ^2/NDF: 94.5/56

diff_bpm1p02bX_rms vs Slug



Right In: 1998.376+/-0.338 χ^2/NDF: 4584247.3/30

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 2013.778+/-0.351 χ^2/NDF: 8081883.4/33

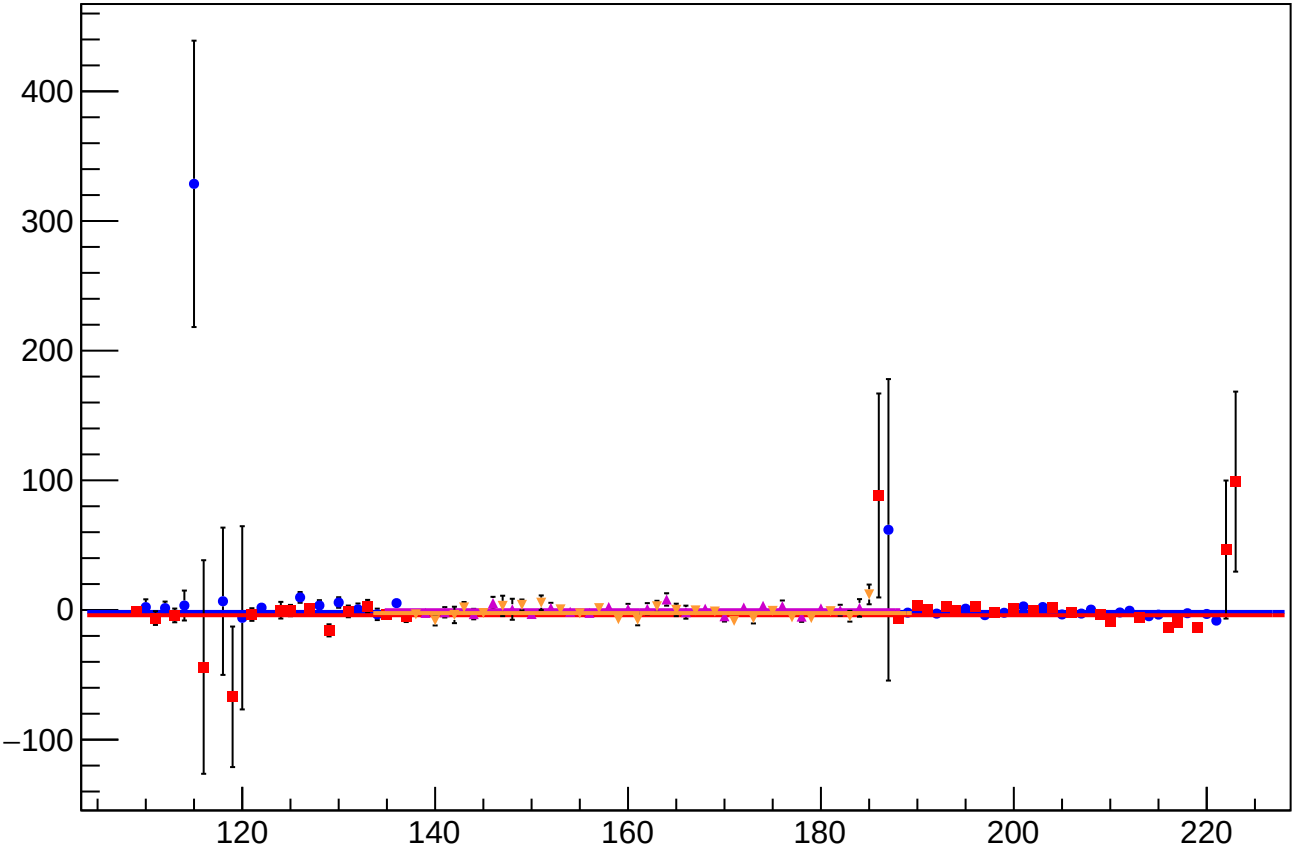
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1219.940+/-0.149 χ^2/NDF: 11399806.3/55

All: 1220.450+/-0.107 χ^2/NDF: 25968534.1/1

- sign 1220.991+/-0.154 χ^2/NDF: 14568703.9/56

diff_bpm1p02bY_mean vs Slug



Right In: -1.500+/-0.391 χ^2/NDF: 67.9/30

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -4.043+/-0.420 χ^2/NDF: 167.2/33

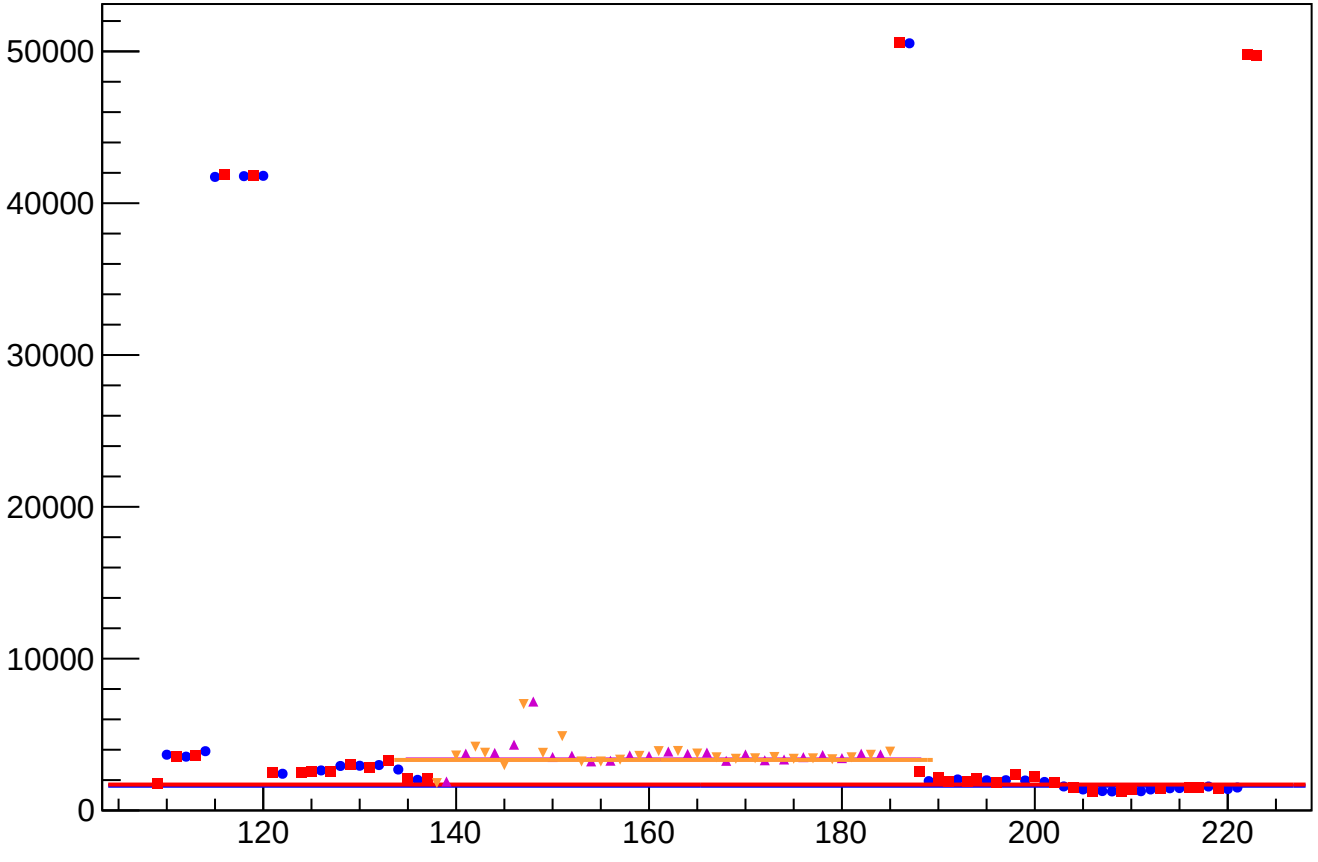
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -1.676+/-0.350 χ^2/NDF: 93.3/55

All: -2.402+/-0.255 χ^2/NDF: 300.3/112

- sign -3.223+/-0.372 χ^2/NDF: 197.9/56

diff_bpm1p02bY_rms vs Slug



Right In: 1626.879+/-0.277 χ^2/NDF: 4743299.8/30

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

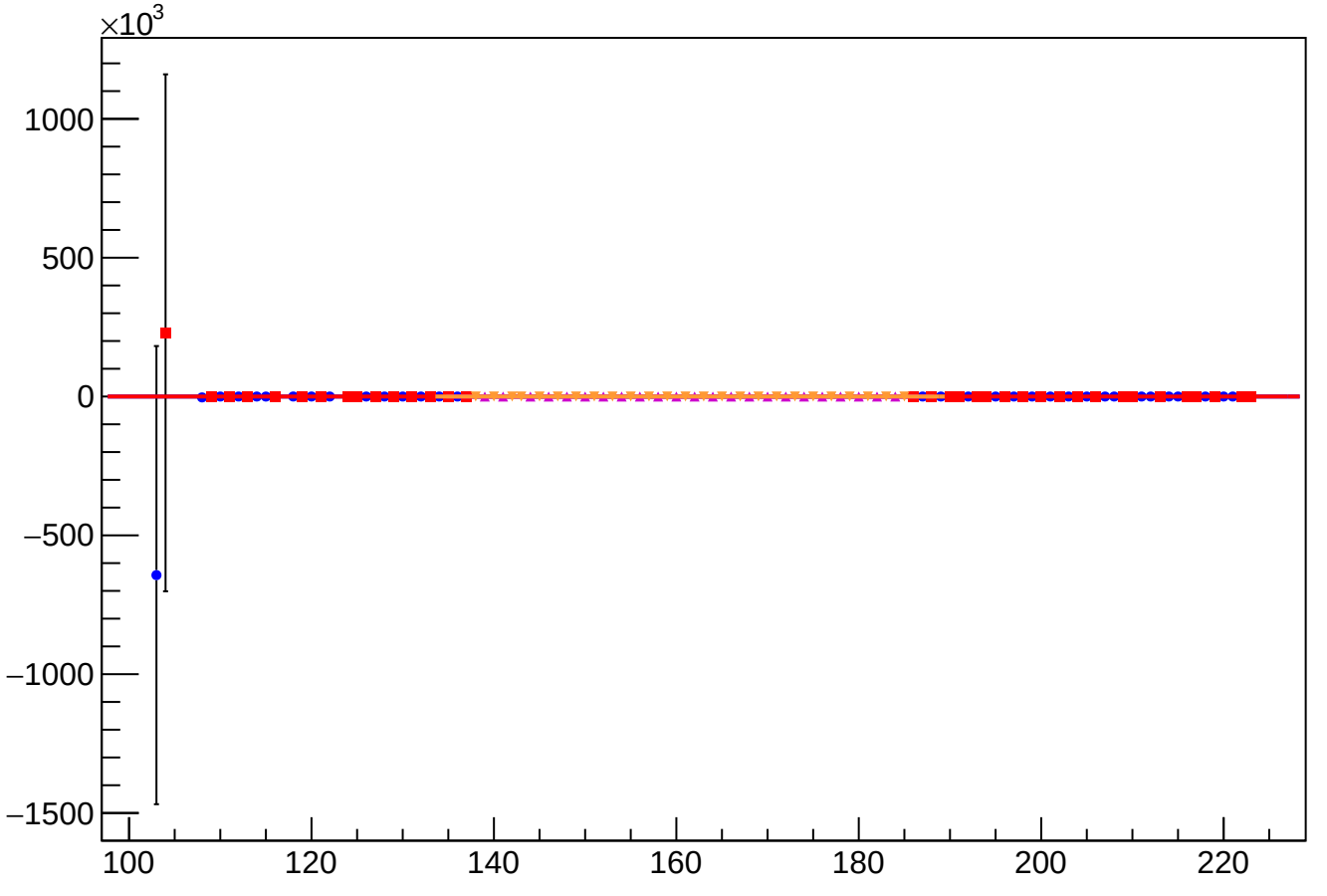
Right Out: 1706.420+/-0.297 χ^2/NDF: 7483710.6/33

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 1967.589+/-0.247 χ^2/NDF: 14228304.7/55

All: 2009.324+/-0.180 χ^2/NDF: 30005565.8/1

- sign 2056.596+/-0.263 χ^2/NDF: 15716608.2/56



Right In: -2.596+/-0.510 χ^2/NDF: 49.6/32

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -3.647+/-0.536 χ^2/NDF: 92.1/34

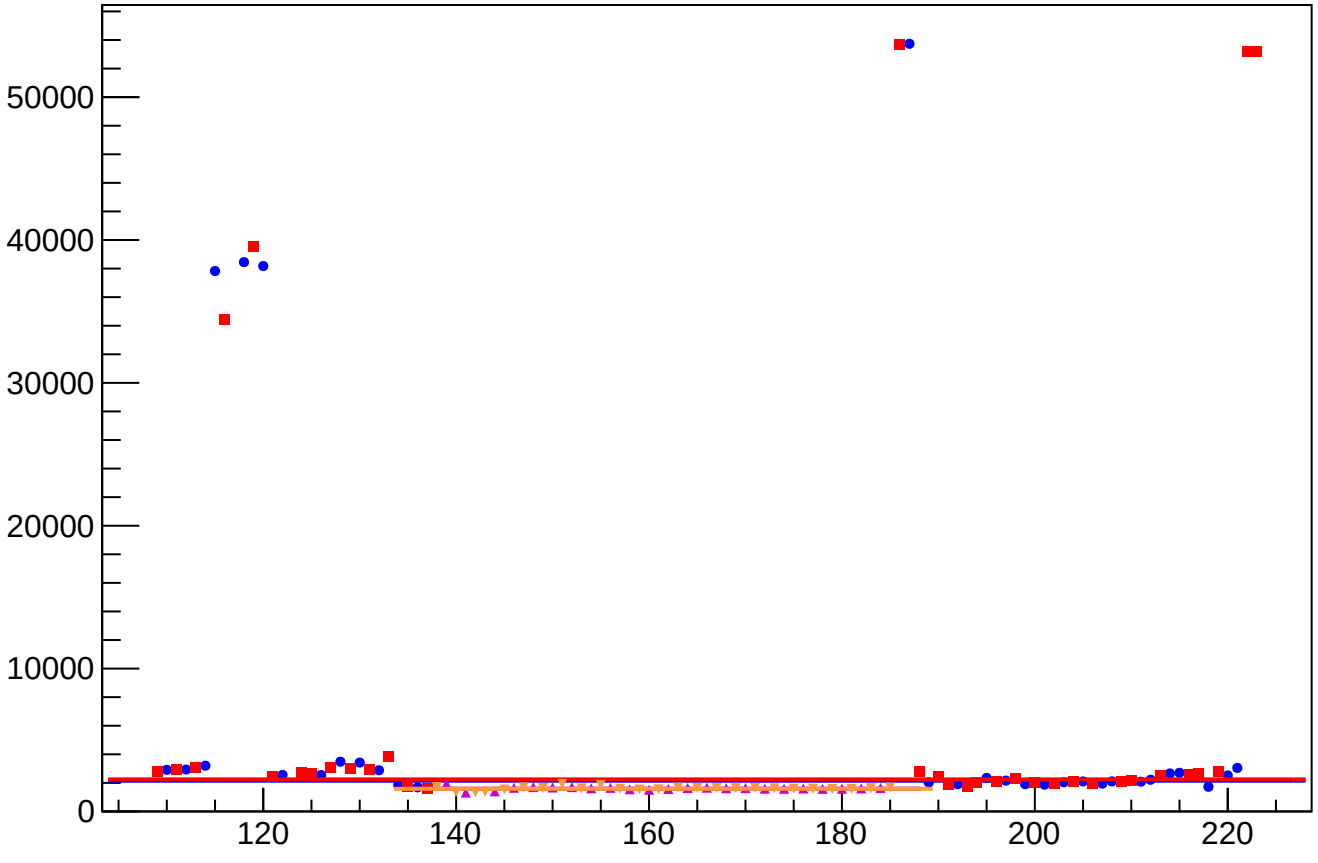
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.917+/-0.296 χ^2/NDF: 102.6/57

All: -1.564+/-0.213 χ^2/NDF: 256.4/115

- sign -1.184+/-0.307 χ^2/NDF: 150.9/57

diff_bpm1p03aX_rms vs Slug



Right In: 2153.069+/-0.360 χ^2/NDF: 3362403.9/30

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2244.907+/-0.379 χ^2/NDF: 5986391.3/33

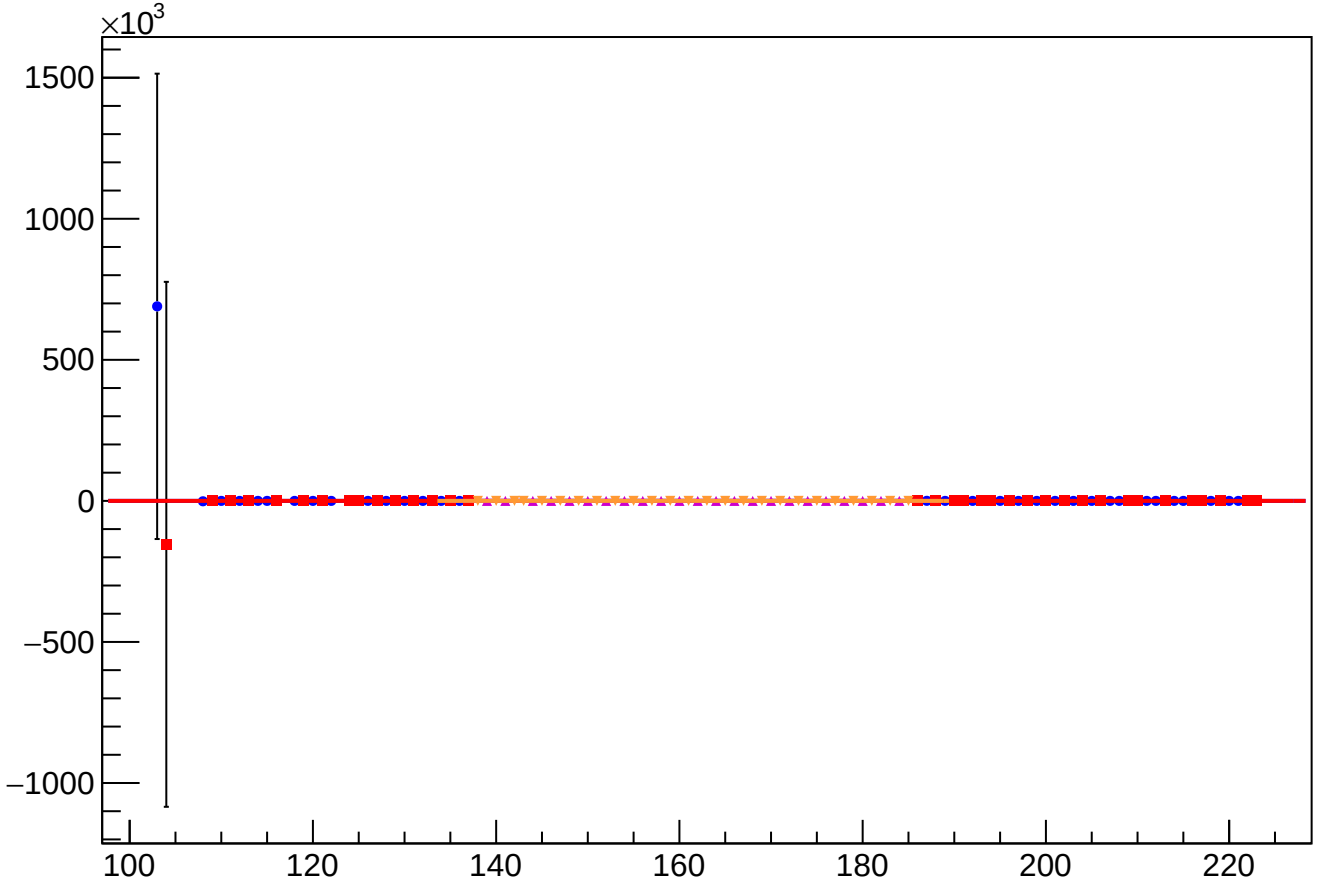
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1779.128+/-0.209 χ^2/NDF: 5217976.5/55

All: 1793.471+/-0.151 χ^2/NDF: 13379780.3/1

- sign 1808.938+/-0.217 χ^2/NDF: 8152017.2/56

diff_bpm1p03aY_mean vs Slug



Right In: -0.497+/-0.324 χ^2/NDF: 33.0/32

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -1.804+/-0.341 χ^2/NDF: 71.1/34

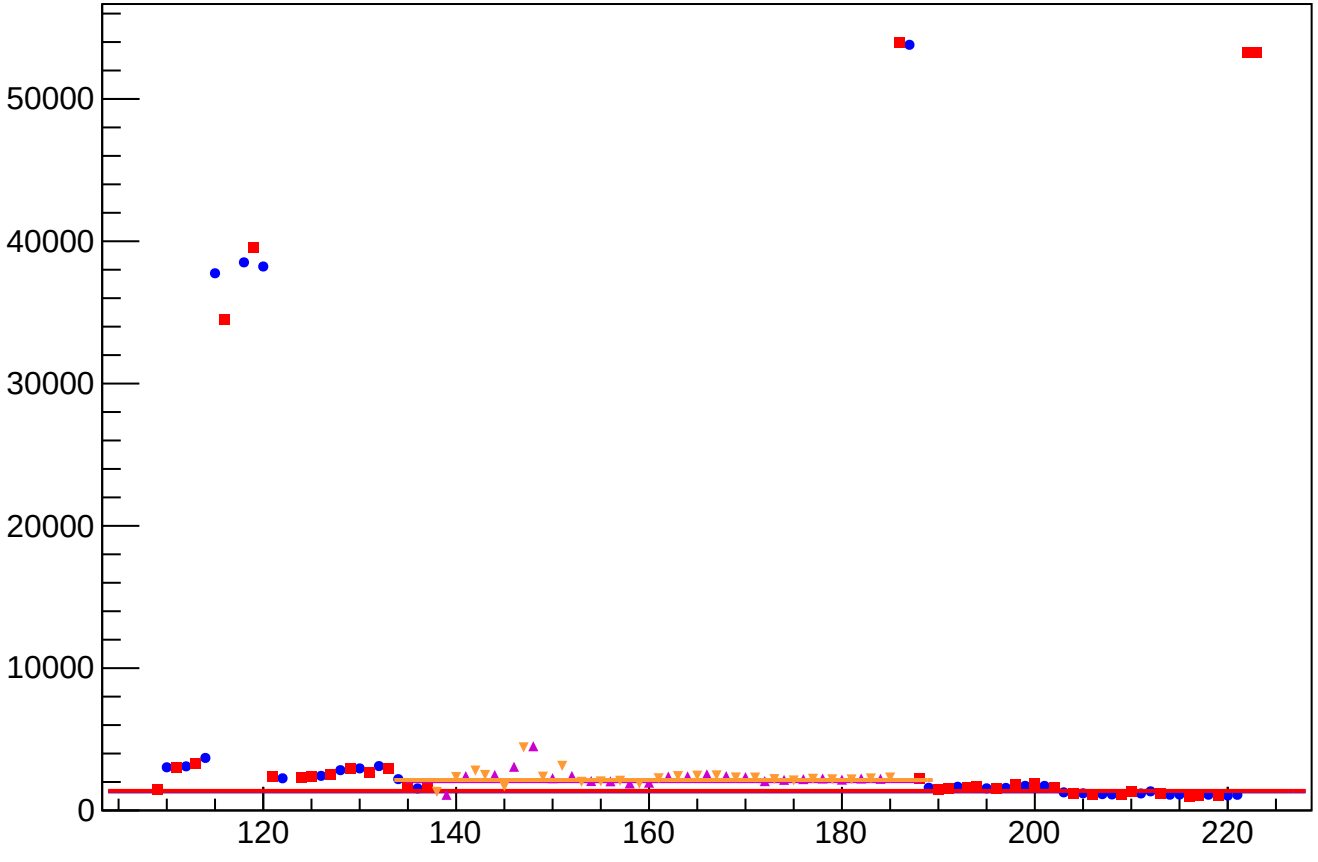
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.698+/-0.272 χ^2/NDF: 58.7/57

All: -0.937+/-0.196 χ^2/NDF: 158.4/115

- sign -1.193+/-0.282 χ^2/NDF: 98.1/57

diff_bpm1p03aY_rms vs Slug



Right In: 1338.822+/-0.229 χ^2/NDF: 5154180.1/30

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1374.016+/-0.241 χ^2/NDF: 8134316.0/33

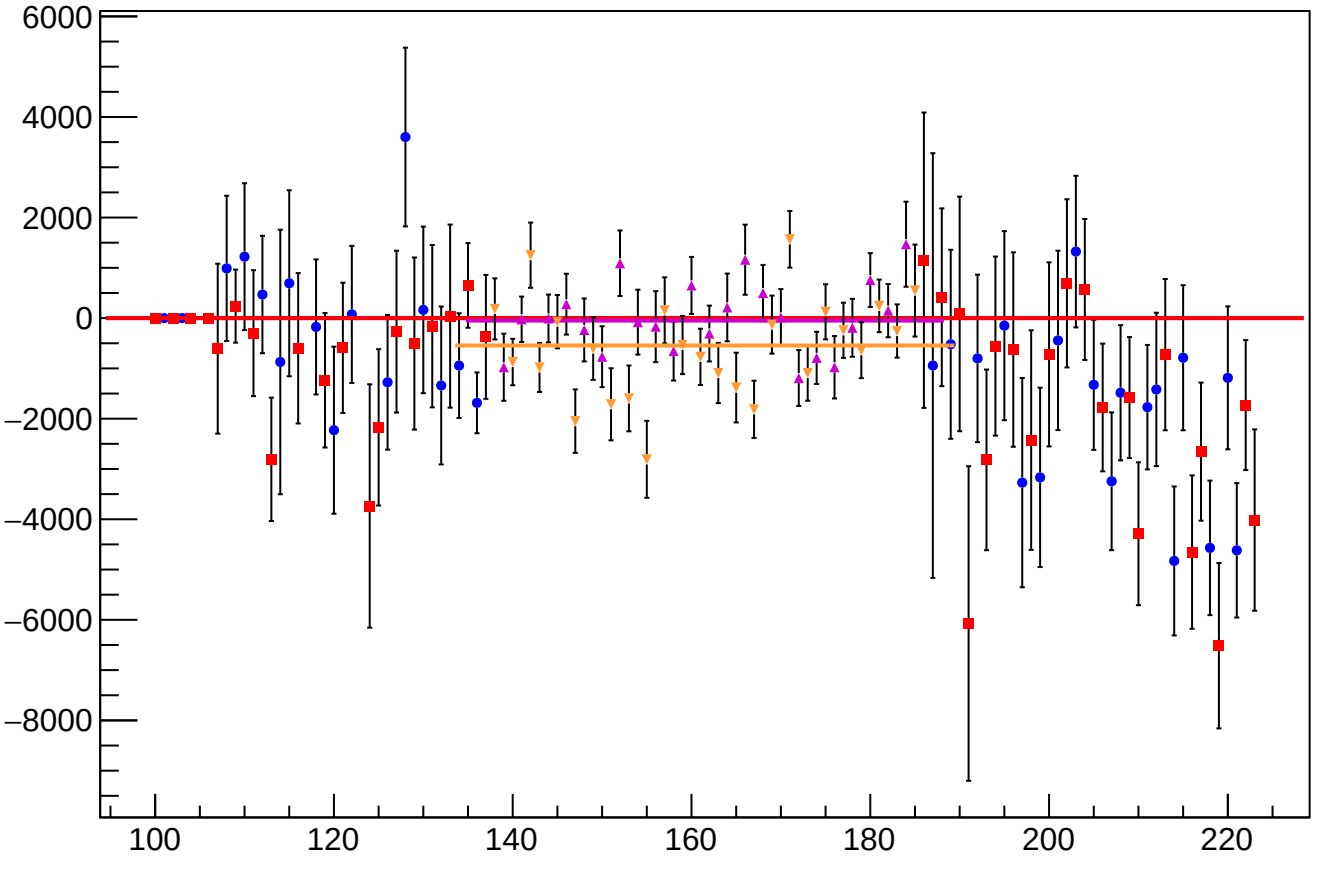
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1574.062+/-0.193 χ^2/NDF: 10217827.0/55

All: 1582.041+/-0.139 χ^2/NDF: 23196150.9/1

- sign 1590.592+/-0.199 χ^2/NDF: 12974769.1/56

diff_cav4bX_mean vs Slug



Right In: 0.253+/-0.356 χ^2/NDF: 70.6/33

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.094+/-0.328 χ^2/NDF: 72.3/38

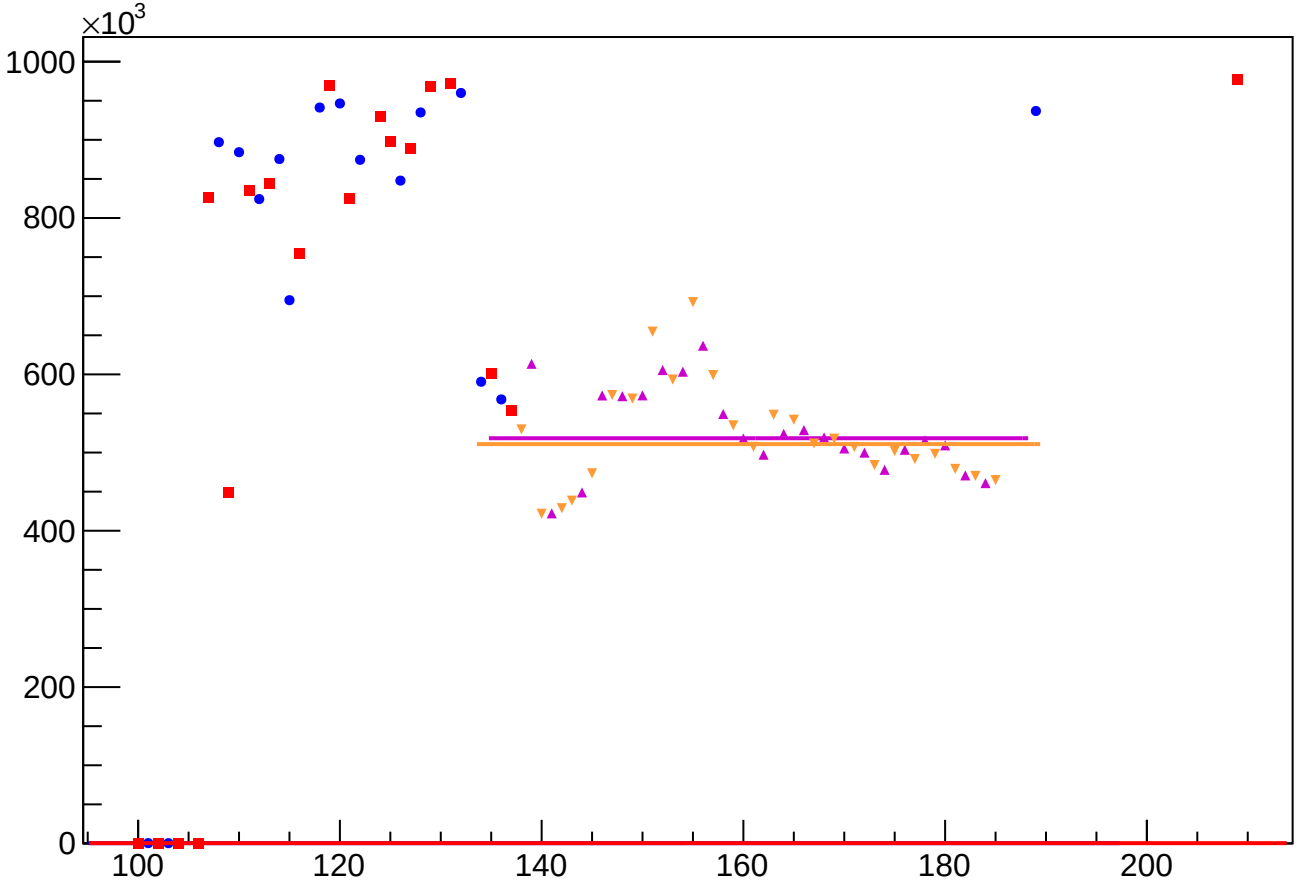
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.248+/-0.356 χ^2/NDF: 153.1/58

All: 0.165+/-0.241 χ^2/NDF: 253.6/120

- sign 0.094+/-0.328 χ^2/NDF: 100.4/61

diff_cav4bX_rms vs Slug



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

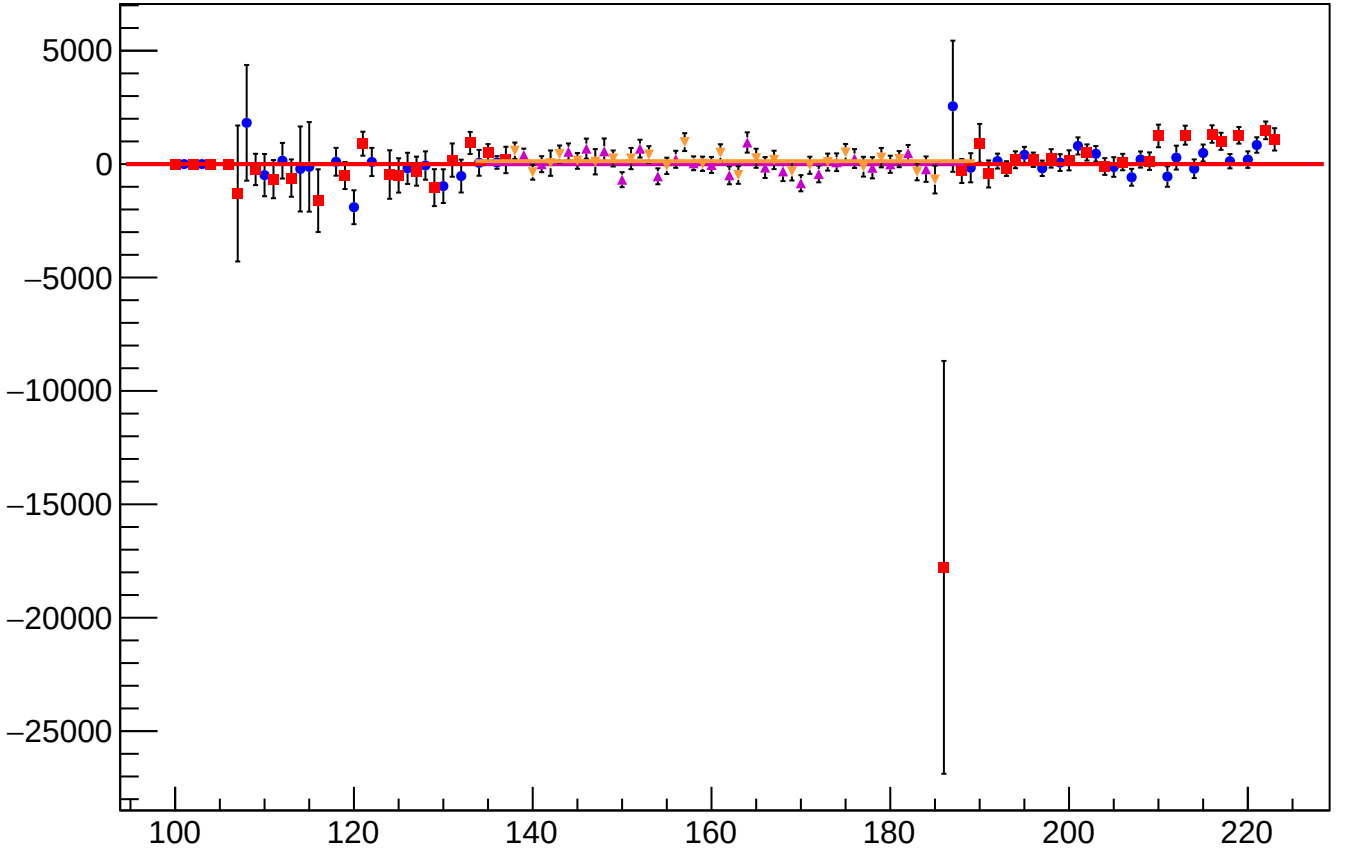
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

- sign 396.985+/-0.232 χ^2/NDF: 44168346.1/41

diff_cav4bY_mean vs Slug



Right In: -0.018+/-0.347 χ^2/NDF: 32.5/33

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: 0.605+/-0.324 χ^2/NDF: 90.6/38

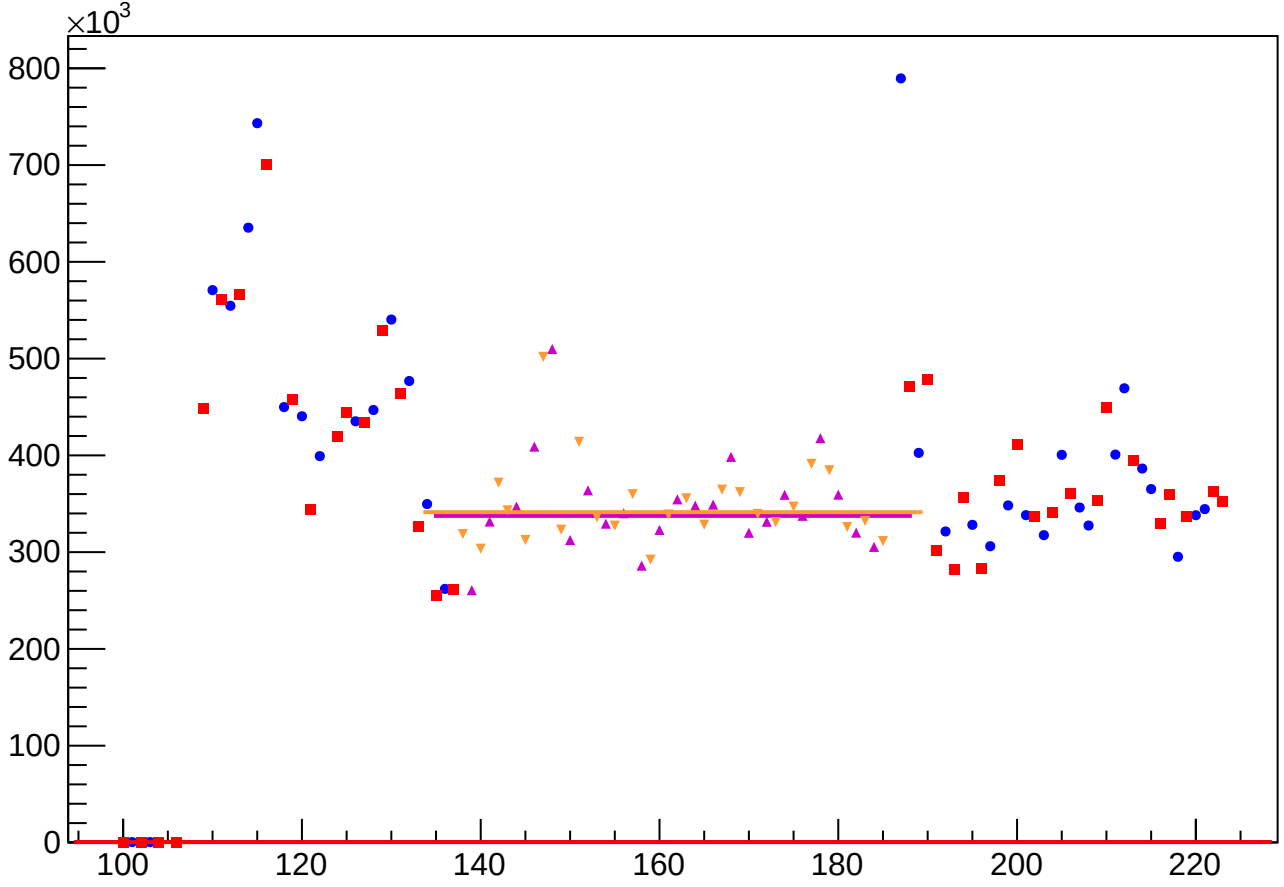
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.015+/-0.347 χ^2/NDF: 55.4/58

All: 0.316+/-0.237 χ^2/NDF: 181.4/120

- sign 0.605+/-0.324 χ^2/NDF: 124.4/61

diff_cav4bY_rms vs Slug



Right In: 395.222+/-0.245 χ^2/NDF: 39710379.9/32

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

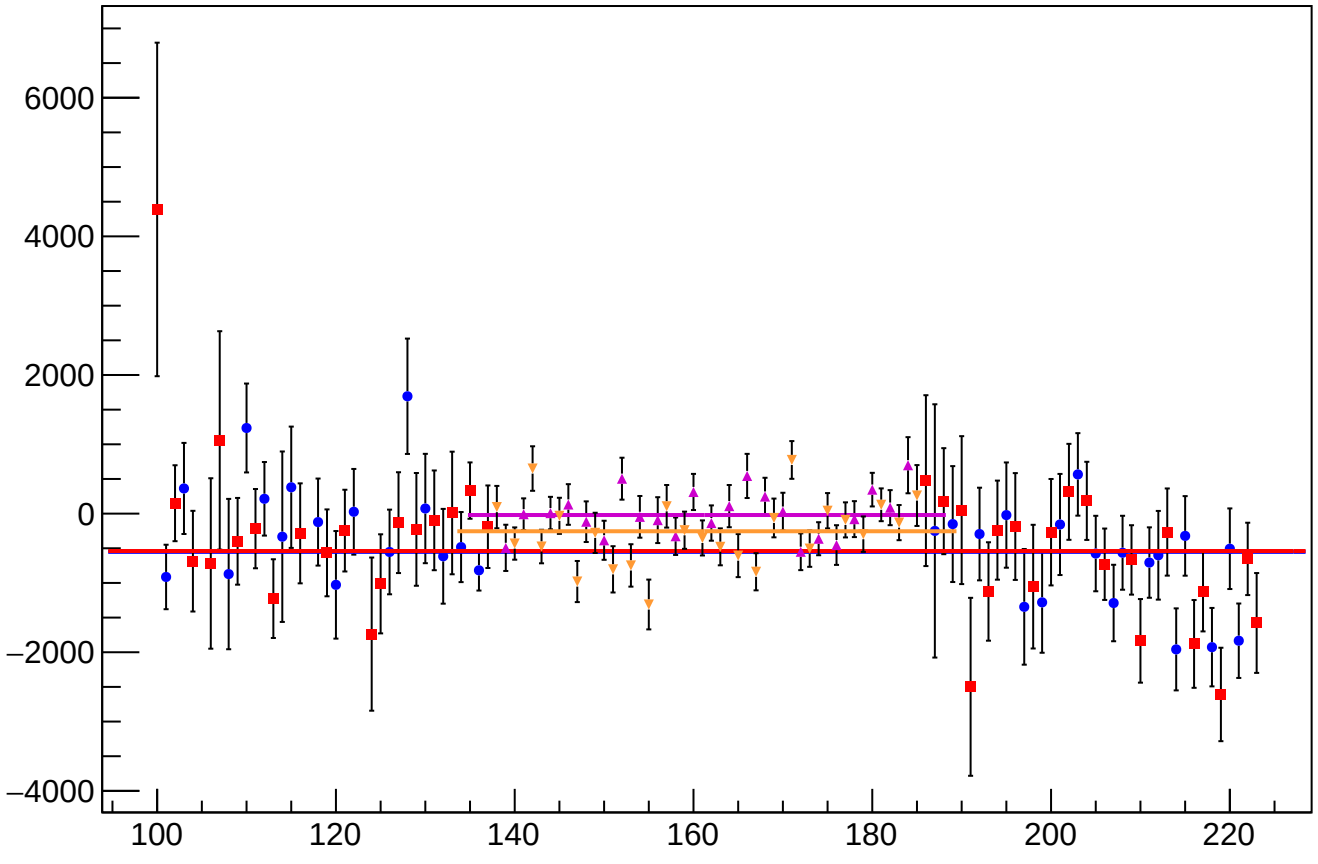
Right Out: 392.283+/-0.229 χ^2/NDF: 40352600.0/36

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 401.931+/-0.245 χ^2/NDF: 78080188.7/57

All: 399.742+/-0.167 χ^2/NDF: 154751220.5/1

- sign 397.837+/-0.229 χ^2/NDF: 76670883.0/59



Right In: -551.590+/-104.418 χ^2/NDF: 50.1/33

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

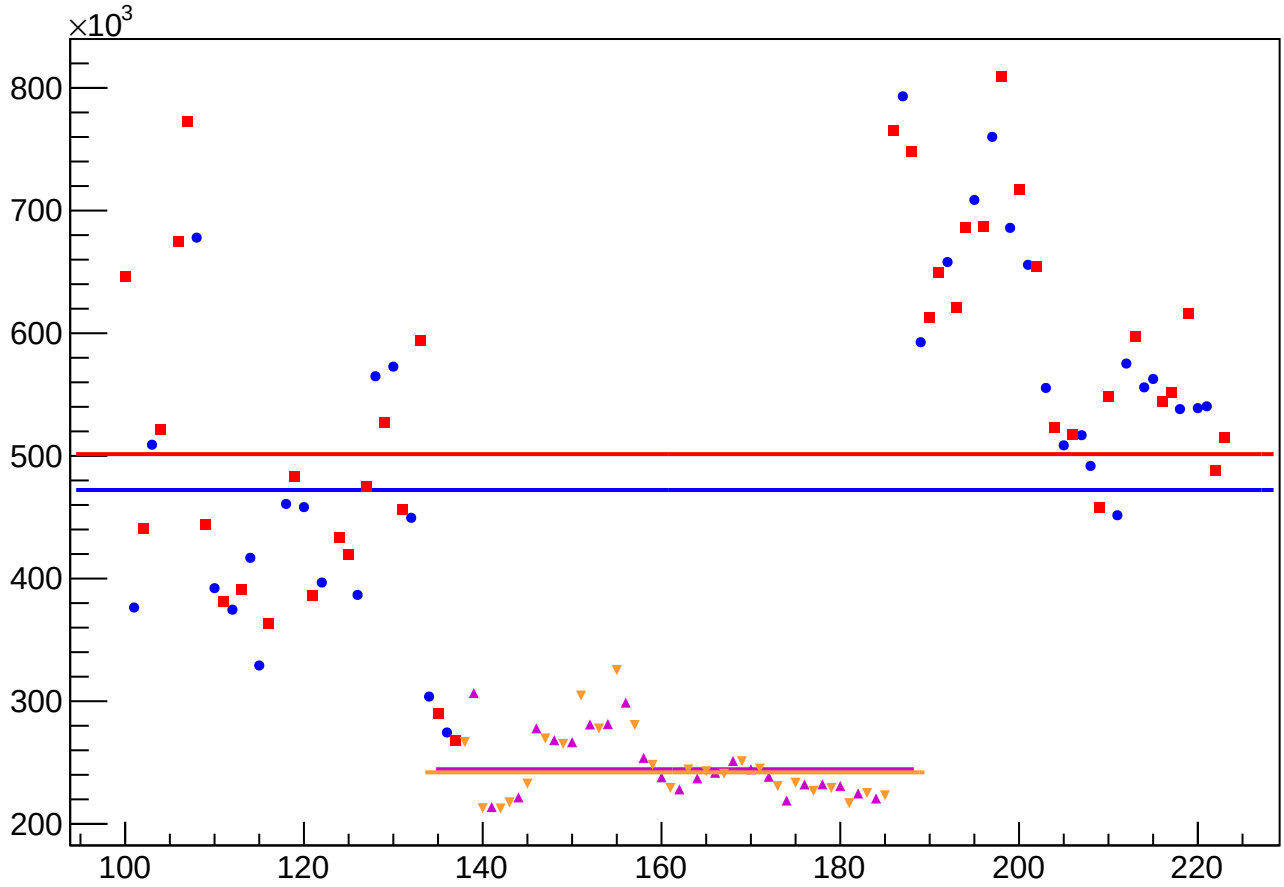
Right Out: -539.627+/-108.596 χ^2/NDF: 47.8/38

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -319.691+/-48.951 χ^2/NDF: 117.7/58

All: -230.233+/-35.251 χ^2/NDF: 218.9/120

- sign -133.868+/-50.805 χ^2/NDF: 94.3/61



Right In: 472212.378+/-73.845 χ^2/NDF: 2868917.9/33

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 501453.636+/-76.855 χ^2/NDF: 2673908.3/38

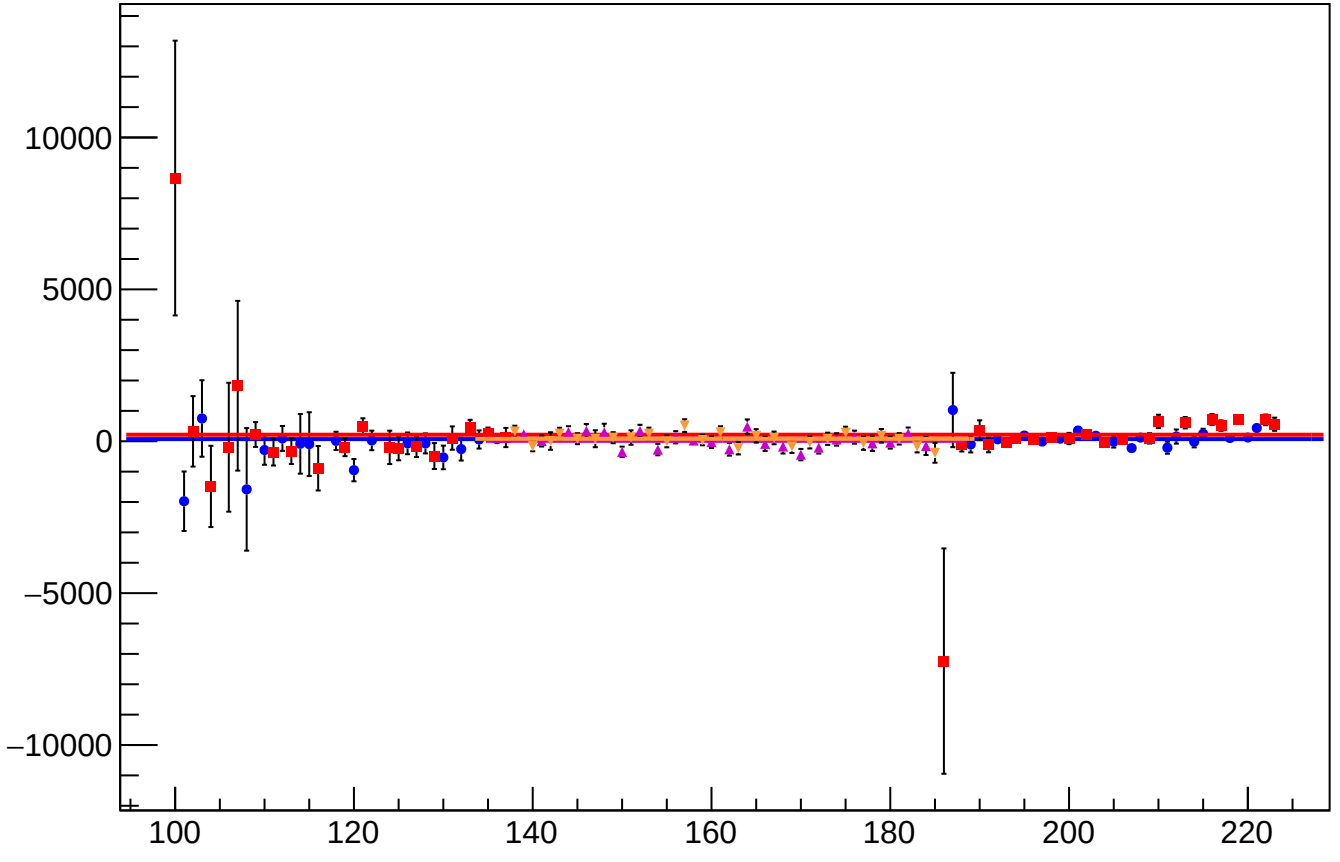
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 292589.181+/-34.614 χ^2/NDF: 10864981.6/5

All: 296492.027+/-24.929 χ^2/NDF: 2265871

- sign 300697.505+/-35.931 χ^2/NDF: 11767322.4/6

diff_cav4cY_mean vs Slug



Right In: 70.810+/-35.937 χ^2/NDF: 36.0/33

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 215.756+/-36.053 χ^2/NDF: 79.7/38

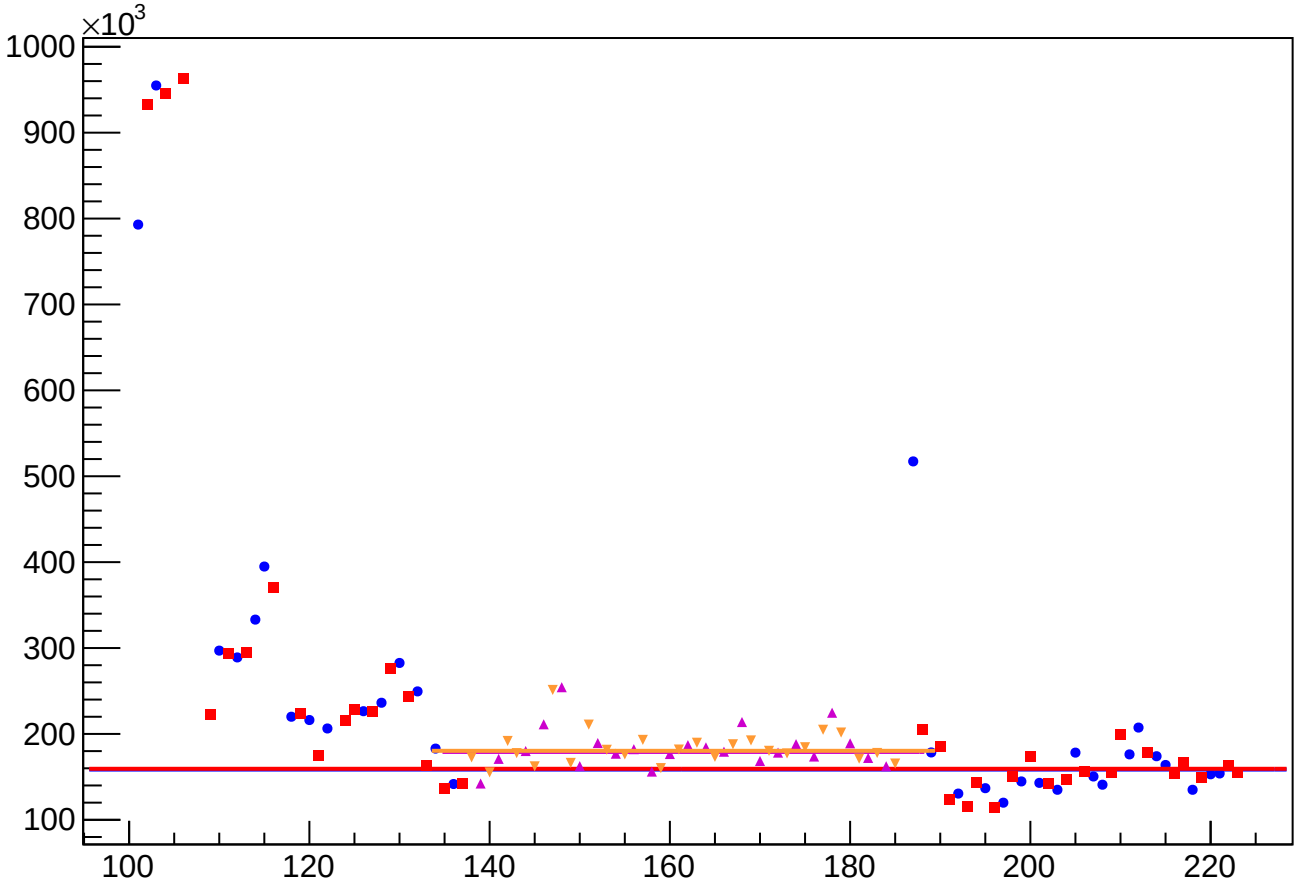
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 74.552+/-27.111 χ^2/NDF: 55.8/58

All: 102.316+/-19.279 χ^2/NDF: 184.0/120

- sign 130.719+/-27.421 χ^2/NDF: 126.1/61

diff_cav4cY_rms vs Slug



Right In: 158526.310+/-25.418 χ^2/NDF: 3434498.4/32

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159416.204+/-25.505 χ^2/NDF: 3375366.0/35

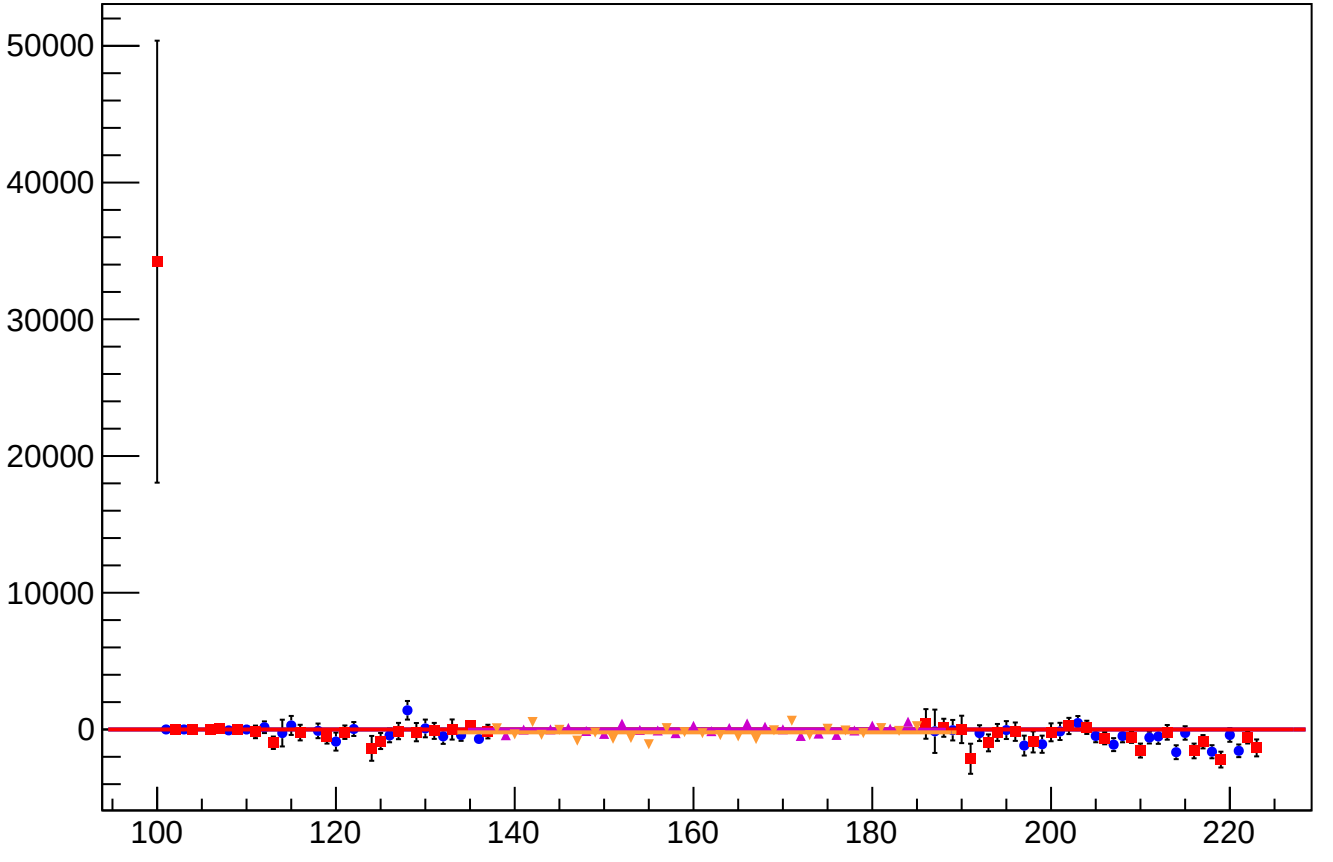
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 167929.863+/-19.173 χ^2/NDF: 4098621.1/57

All: 167809.518+/-13.635 χ^2/NDF: 8224745.

- sign 167686.379+/-19.395 χ^2/NDF: 4126044.6/58

diff_cav4dX_mean vs Slug



Right In: -0.036+/-0.172 χ^2/NDF: 69.7/33

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.356+/-0.160 χ^2/NDF: 70.8/38

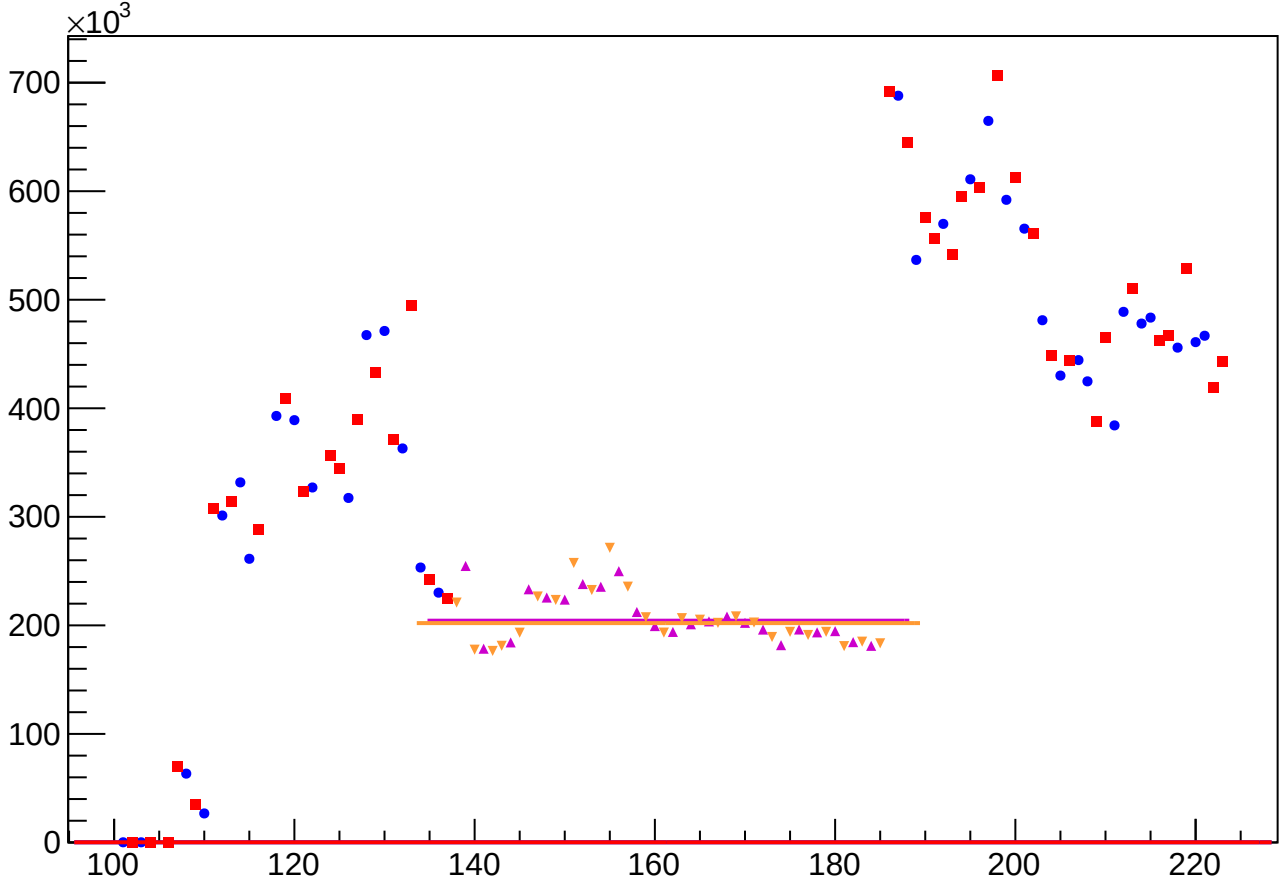
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.039+/-0.172 χ^2/NDF: 151.5/58

All: -0.209+/-0.117 χ^2/NDF: 252.9/120

- sign -0.356+/-0.160 χ^2/NDF: 99.6/61

diff_cav4dX_rms vs Slug



Right In: 149.980+/-0.122 χ^2/NDF: 40813688.8/33

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 150.145+/-0.113 χ^2/NDF: 41996691.0/37

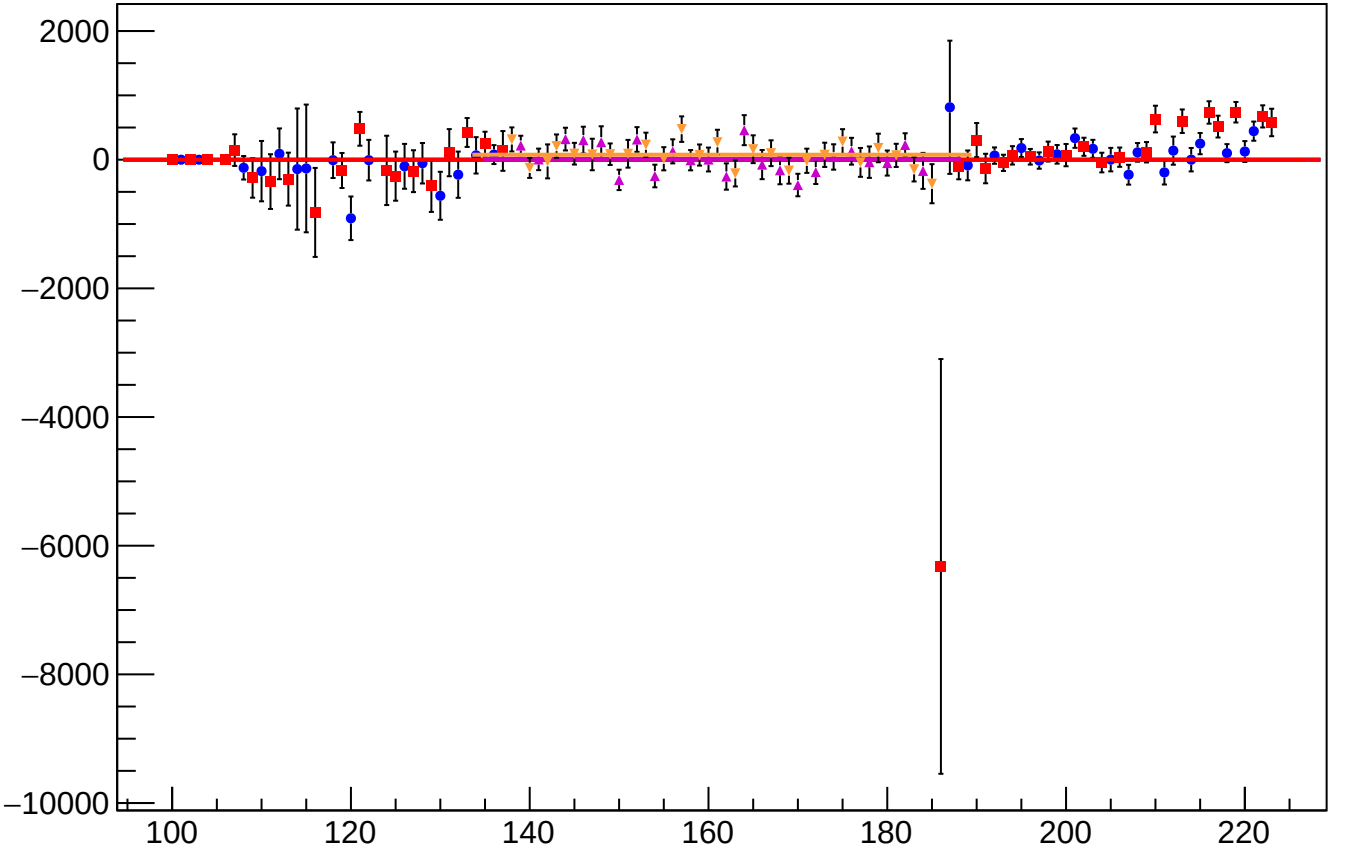
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.776+/-0.122 χ^2/NDF: 79309227.9/58

All: 152.582+/-0.083 χ^2/NDF: 157808434.1/1

- sign 152.413+/-0.113 χ^2/NDF: 78499201.5/60

diff_cav4dY_mean vs Slug



Right In: -0.066+/-0.177 χ^2/NDF: 37.5/33

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.131+/-0.166 χ^2/NDF: 116.1/38

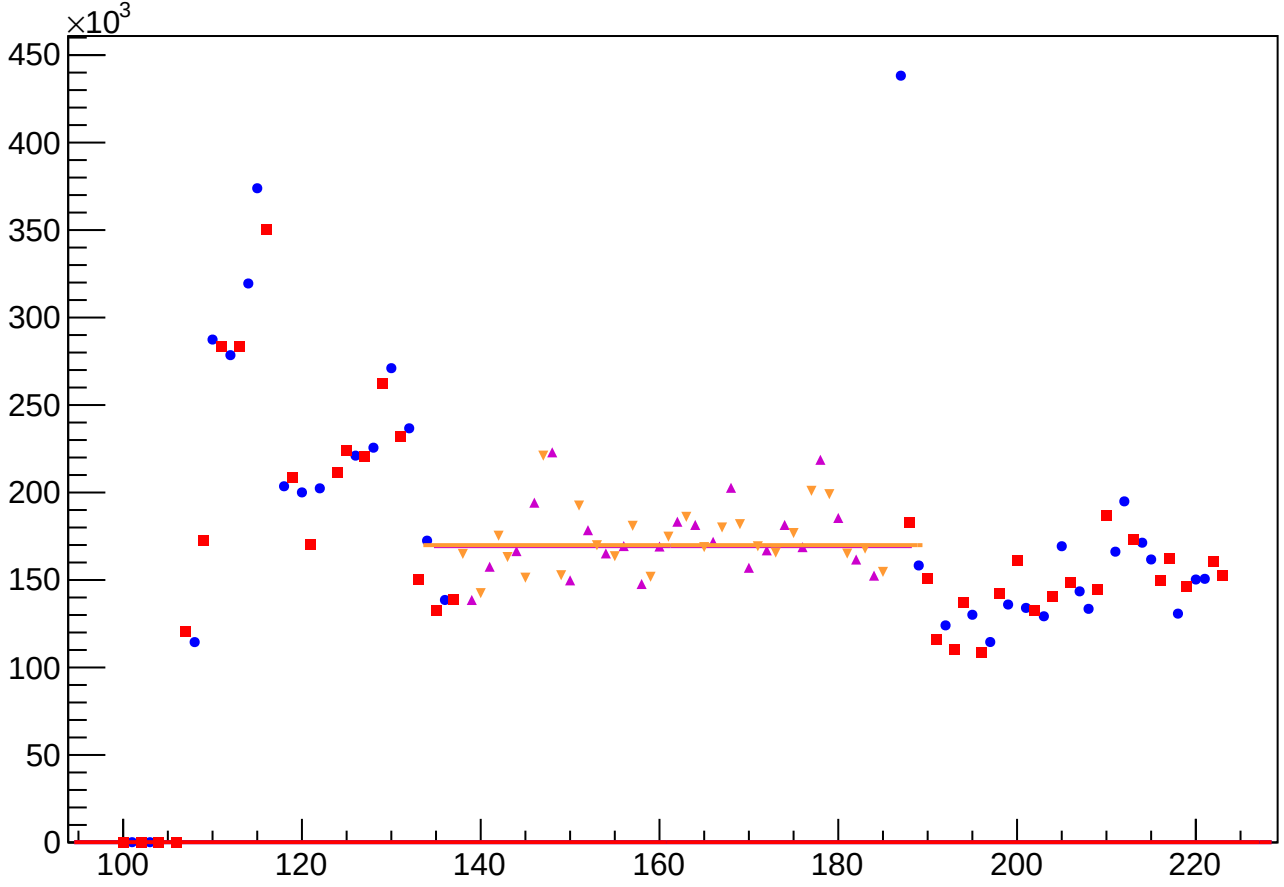
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.064+/-0.177 χ^2/NDF: 60.5/58

All: 0.039+/-0.121 χ^2/NDF: 210.1/120

\- sign 0.131+/-0.166 χ^2/NDF: 148.9/61

diff_cav4dY_rms vs Slug



Right In: 156.610+/-0.125 χ^2/NDF: 40972163.3/33

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.959+/-0.118 χ^2/NDF: 40848300.7/37

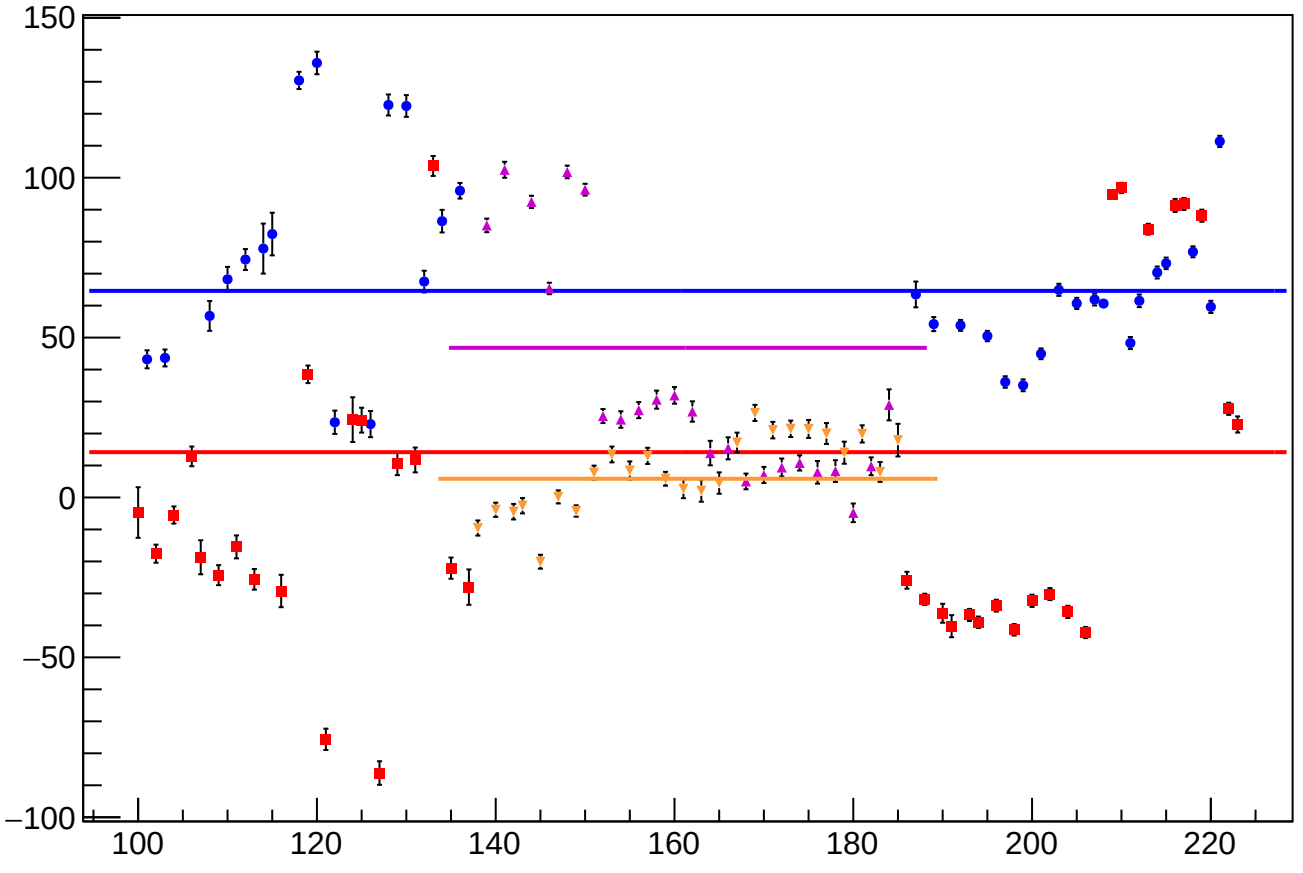
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 160.130+/-0.125 χ^2/NDF: 79382880.2/58

All: 161.071+/-0.086 χ^2/NDF: 156615111.7/1

- sign 161.901+/-0.118 χ^2/NDF: 77232125.5/60

diff_bpm0i01X_mean vs Slug



Right In: 64.612+/-0.387 χ^2/NDF: 3844.7/33

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 14.173+/-0.374 χ^2/NDF: 24212.4/38

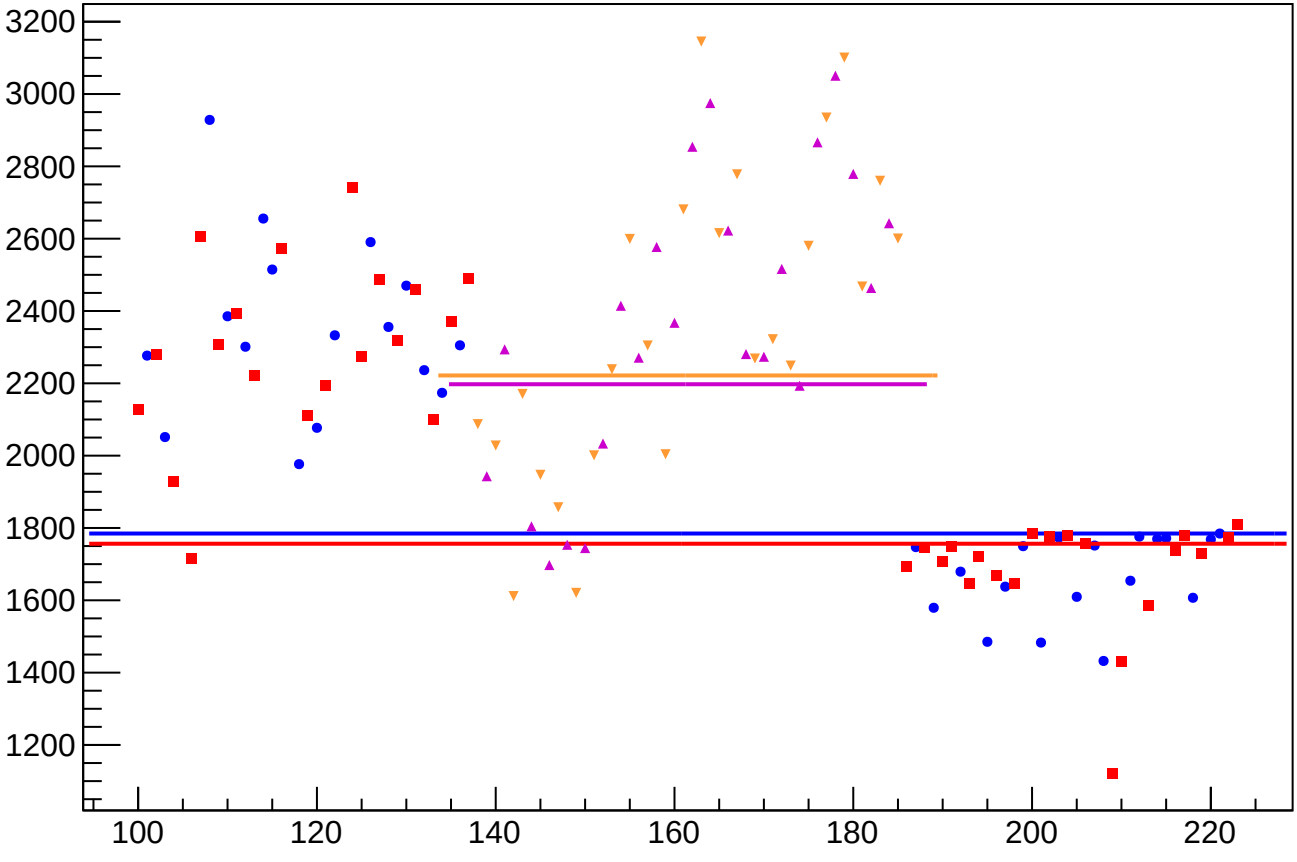
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 43.370+/-0.309 χ^2/NDF: 12724.9/58

All: 34.141+/-0.217 χ^2/NDF: 46435.0/120

\- sign 25.175+/-0.305 χ^2/NDF: 31951.9/61

diff_bpm0i01X_rms vs Slug



Right In: 1784.670+/-0.273 χ^2/NDF: 1110230.2/33

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1756.401+/-0.265 χ^2/NDF: 1479298.4/38

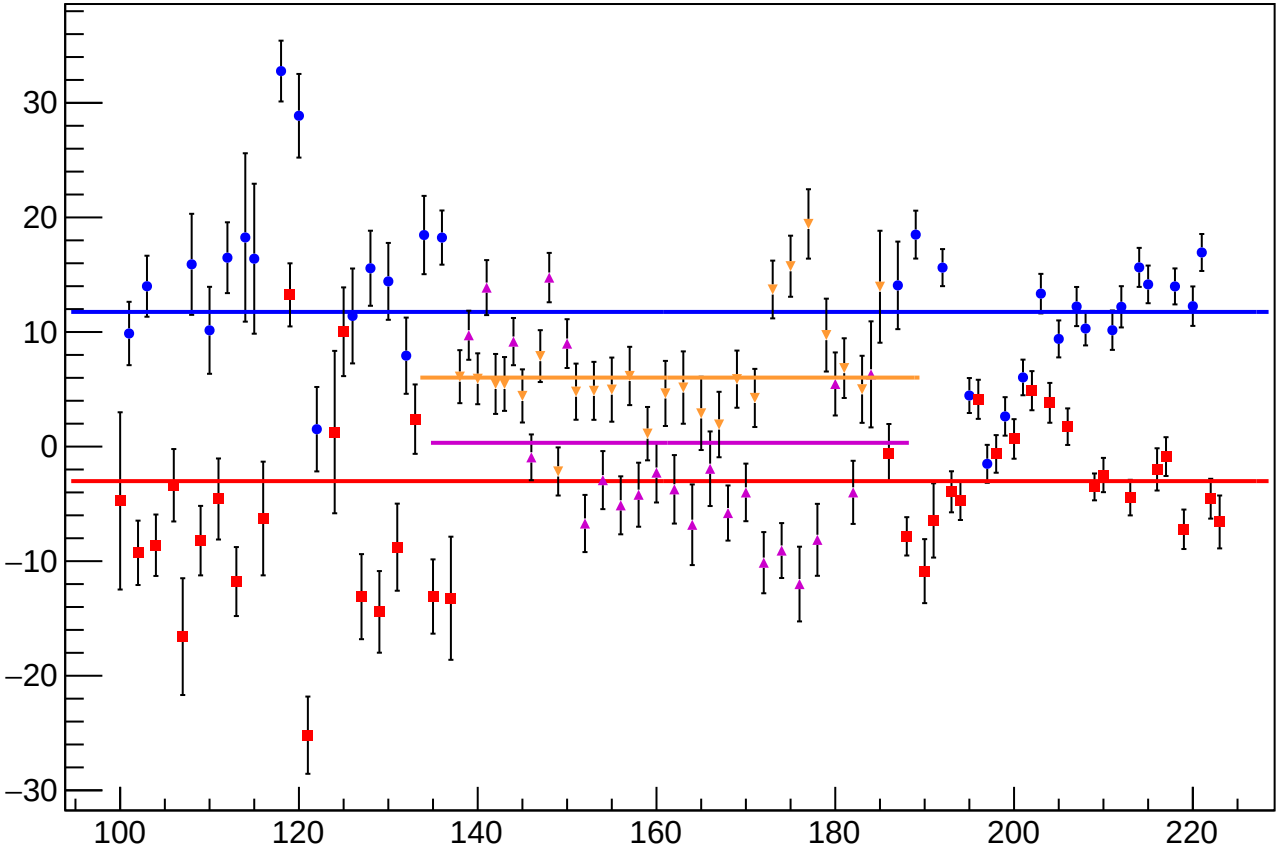
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1942.685+/-0.219 χ^2/NDF: 3217811.4/58

All: 1923.649+/-0.153 χ^2/NDF: 6754132.8/12

- sign 1905.158+/-0.215 χ^2/NDF: 3521361.9/61

diff_bpm0i01Y_mean vs Slug



Right In: 11.753+/-0.361 χ^2/NDF: 284.3/33

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -3.014+/-0.351 χ^2/NDF: 256.4/38

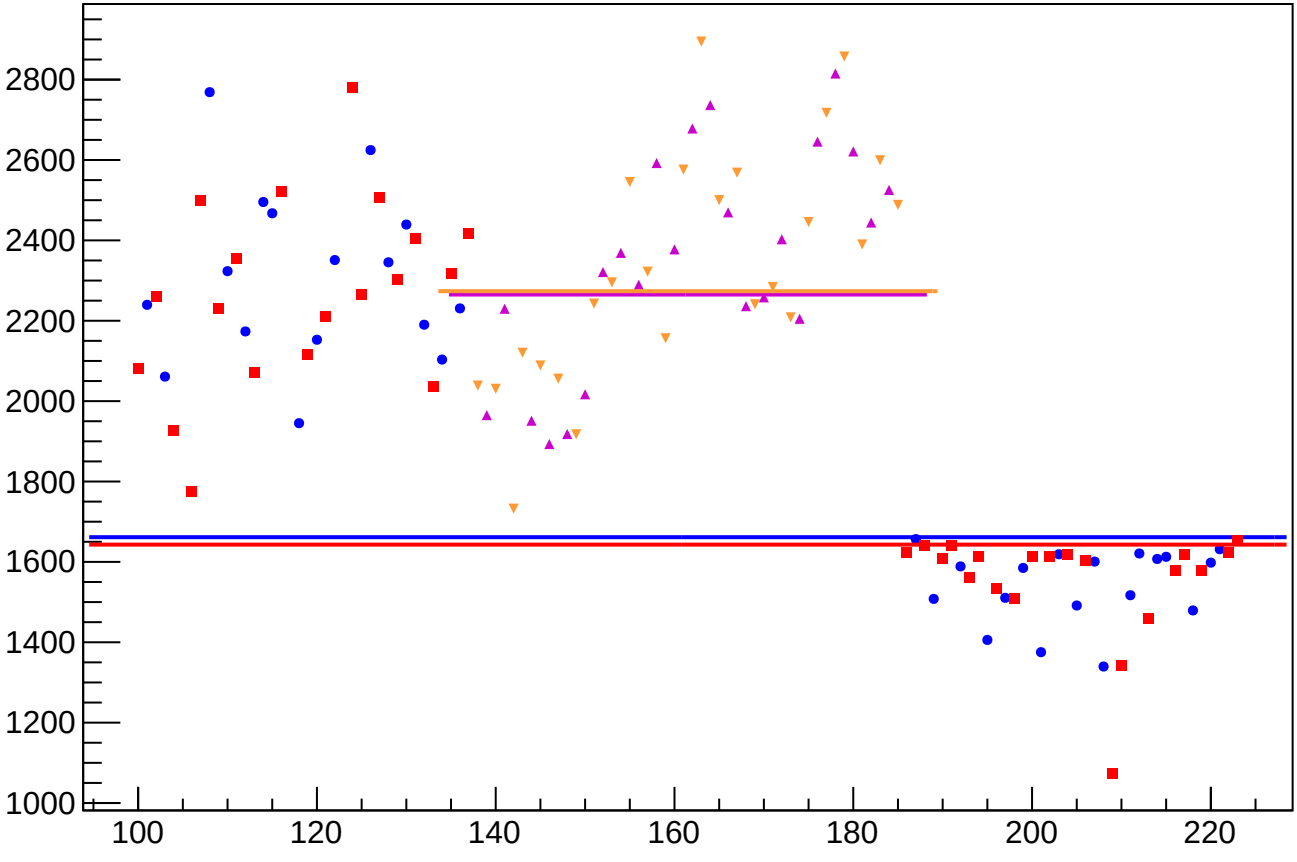
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.895+/-0.297 χ^2/NDF: 437.9/58

All: 3.874+/-0.209 χ^2/NDF: 1761.1/120

- sign -2.008+/-0.293 χ^2/NDF: 508.6/61

diff_bpm0i01Y_rms vs Slug



Right In: 1661.465+/-0.255 χ^2/NDF: 1392703.2/33

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1642.967+/-0.248 χ^2/NDF: 1699070.9/38

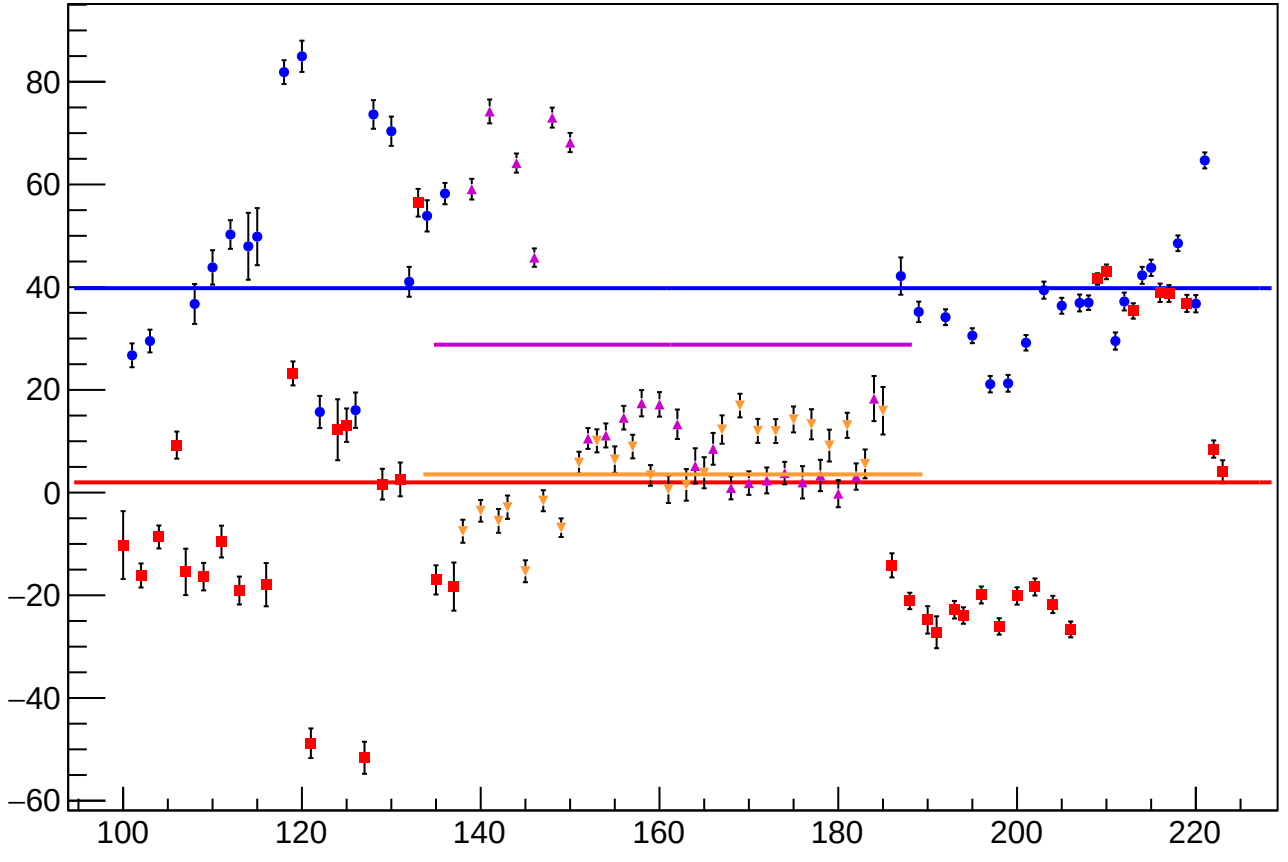
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1860.000+/-0.210 χ^2/NDF: 3796339.2/58

All: 1844.891+/-0.147 χ^2/NDF: 7896535.9/12

- sign 1830.130+/-0.207 χ^2/NDF: 4089936.4/61

diff_bpm0i01aX_mean vs Slug



Right In: 39.807+/-0.341 χ^2/NDF: 1817.0/33

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 1.990+/-0.330 χ^2/NDF: 7652.4/38

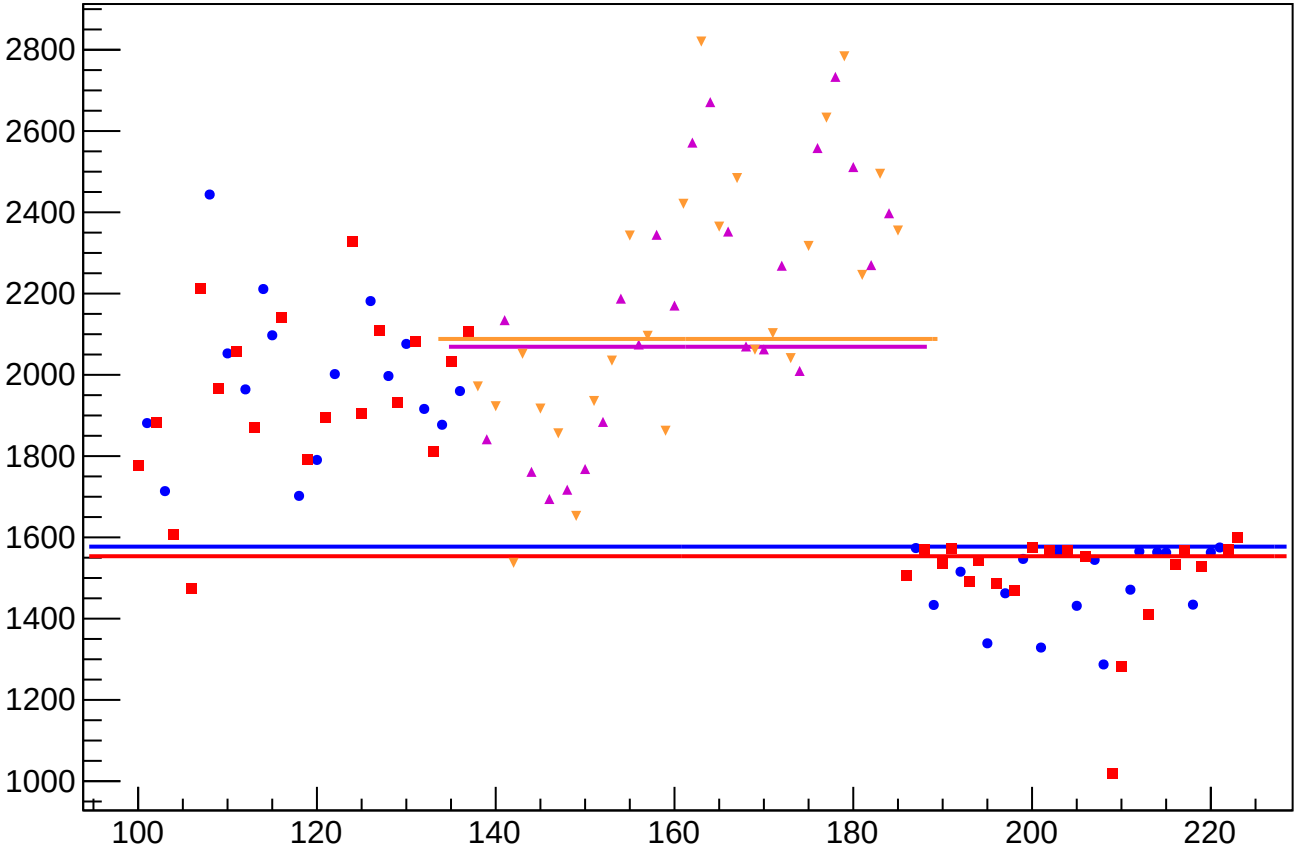
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 27.677+/-0.278 χ^2/NDF: 5930.8/58

All: 18.873+/-0.195 χ^2/NDF: 20882.2/120

\- sign 10.326+/-0.274 χ^2/NDF: 12971.5/61

diff_bpm0i01aX_rms vs Slug



Right In: 1577.229+/-0.241 χ^2/NDF: 852058.0/33

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1553.610+/-0.233 χ^2/NDF: 1177921.8/38

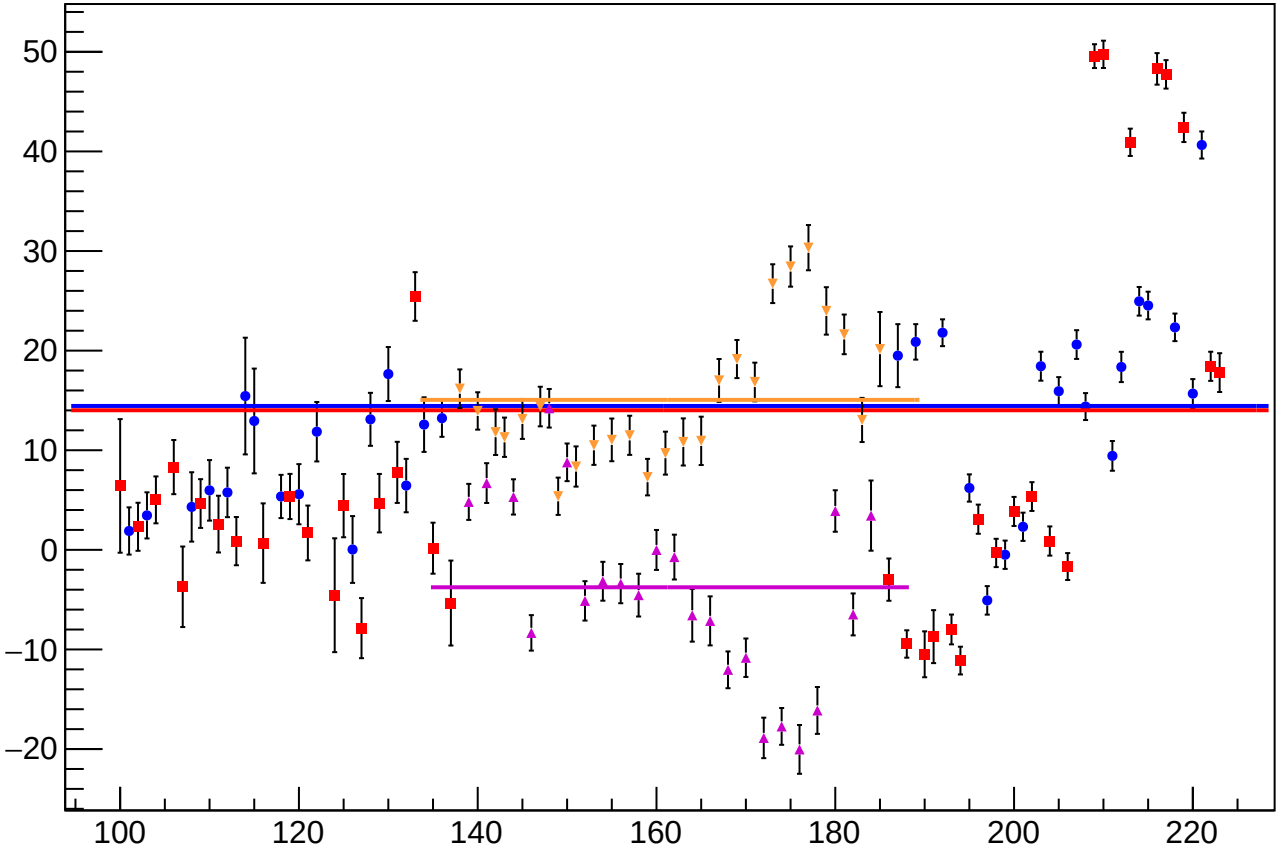
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1748.202+/-0.196 χ^2/NDF: 3146960.1/58

All: 1730.780+/-0.138 χ^2/NDF: 6572029.2/12

- sign 1713.867+/-0.194 χ^2/NDF: 3409564.0/61

diff_bpm0i01aY_mean vs Slug



Right In: 14.446+/-0.308 χ^2/NDF: 1142.5/33

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 14.014+/-0.301 χ^2/NDF: 5226.9/38

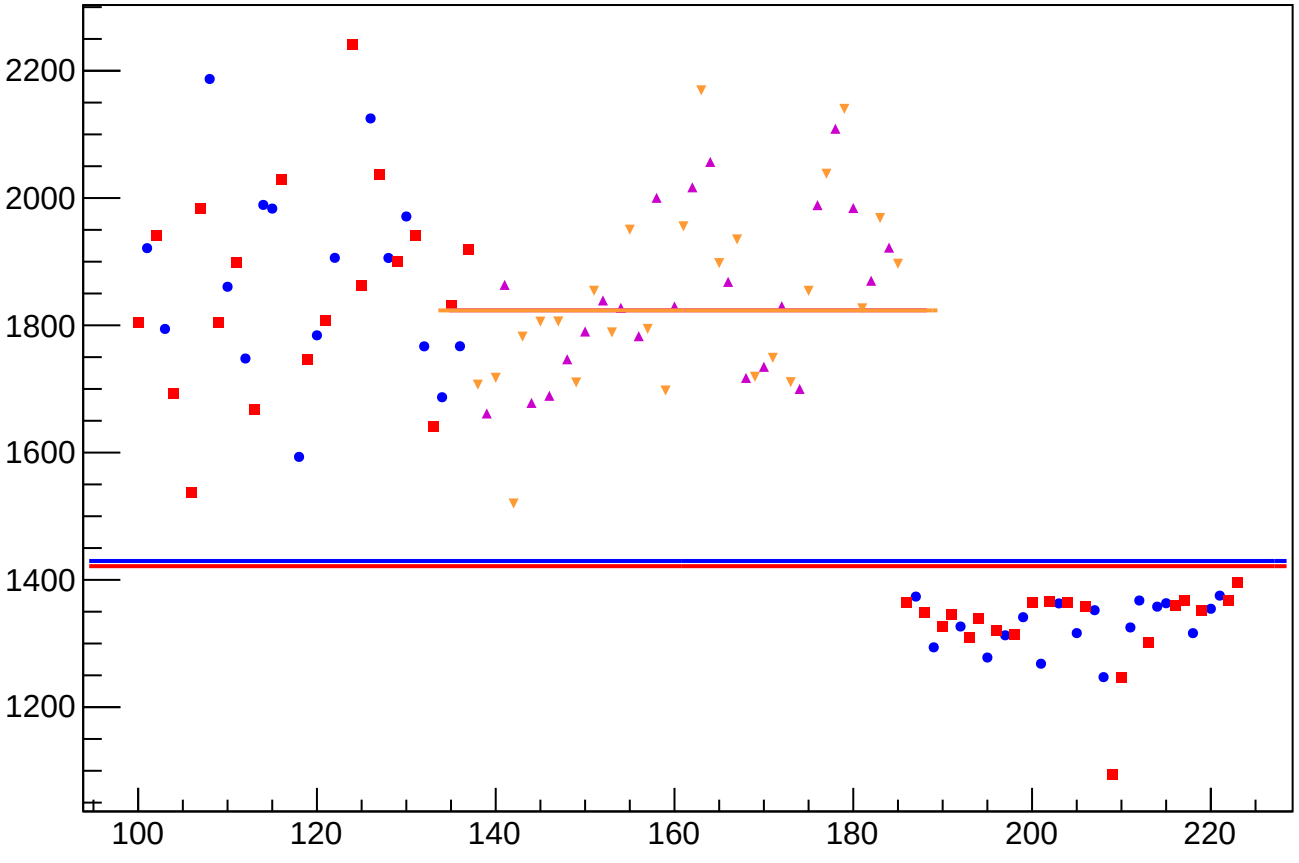
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 14.662+/-0.247 χ^2/NDF: 1390.1/58

All: 11.381+/-0.174 χ^2/NDF: 8580.8/120

- sign 8.141+/-0.246 χ^2/NDF: 6841.4/61

diff_bpm0i01aY_rms vs Slug



Right In: 1429.713+/-0.218 χ^2/NDF: 976864.9/33

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1421.527+/-0.213 χ^2/NDF: 1064727.6/38

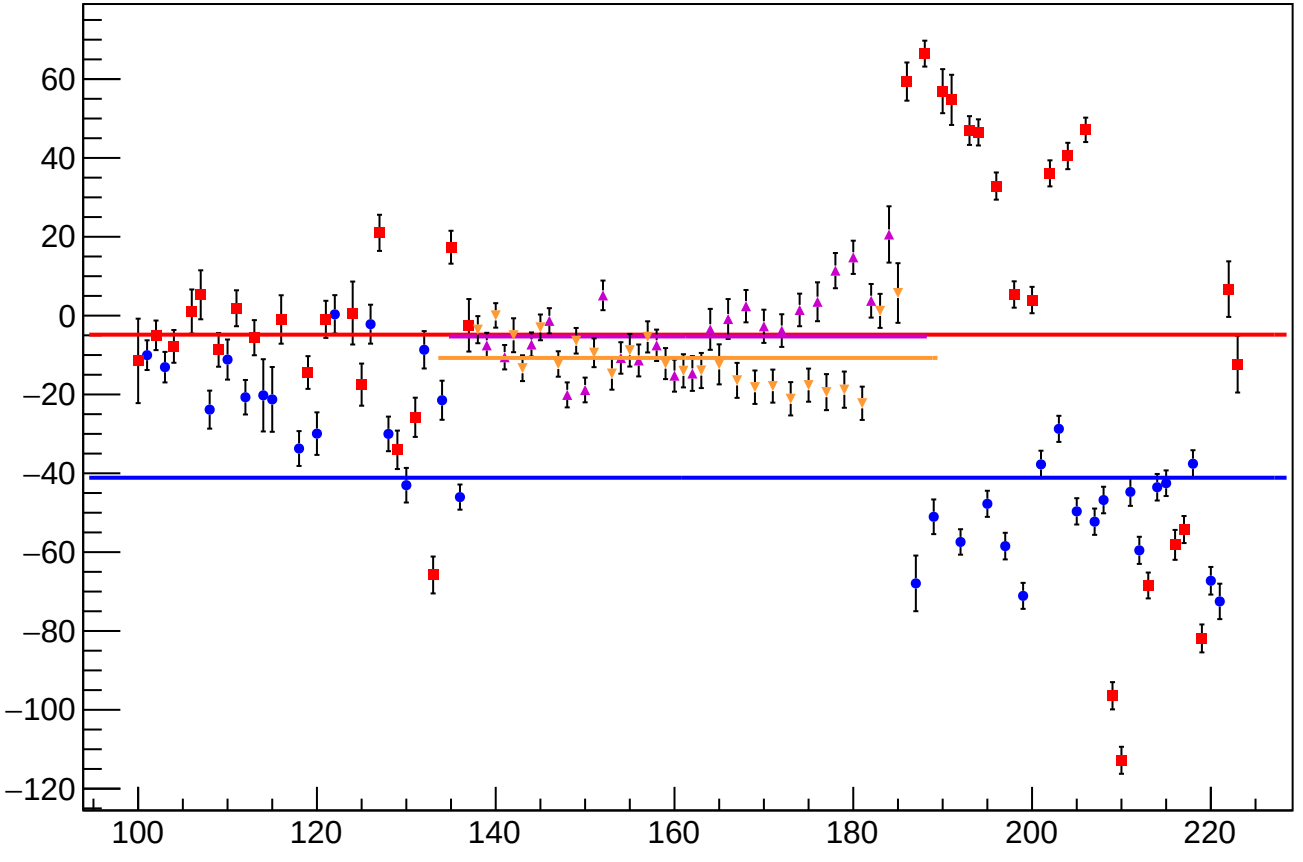
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1569.278+/-0.175 χ^2/NDF: 2346472.8/58

All: 1561.791+/-0.123 χ^2/NDF: 4761550.1/12

- sign 1554.398+/-0.174 χ^2/NDF: 2411439.3/61

diff_bpm0l01X_mean vs Slug



Right In: -41.123+/-0.675 χ^2/NDF: 743.2/33

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -4.828+/-0.670 χ^2/NDF: 5307.7/38

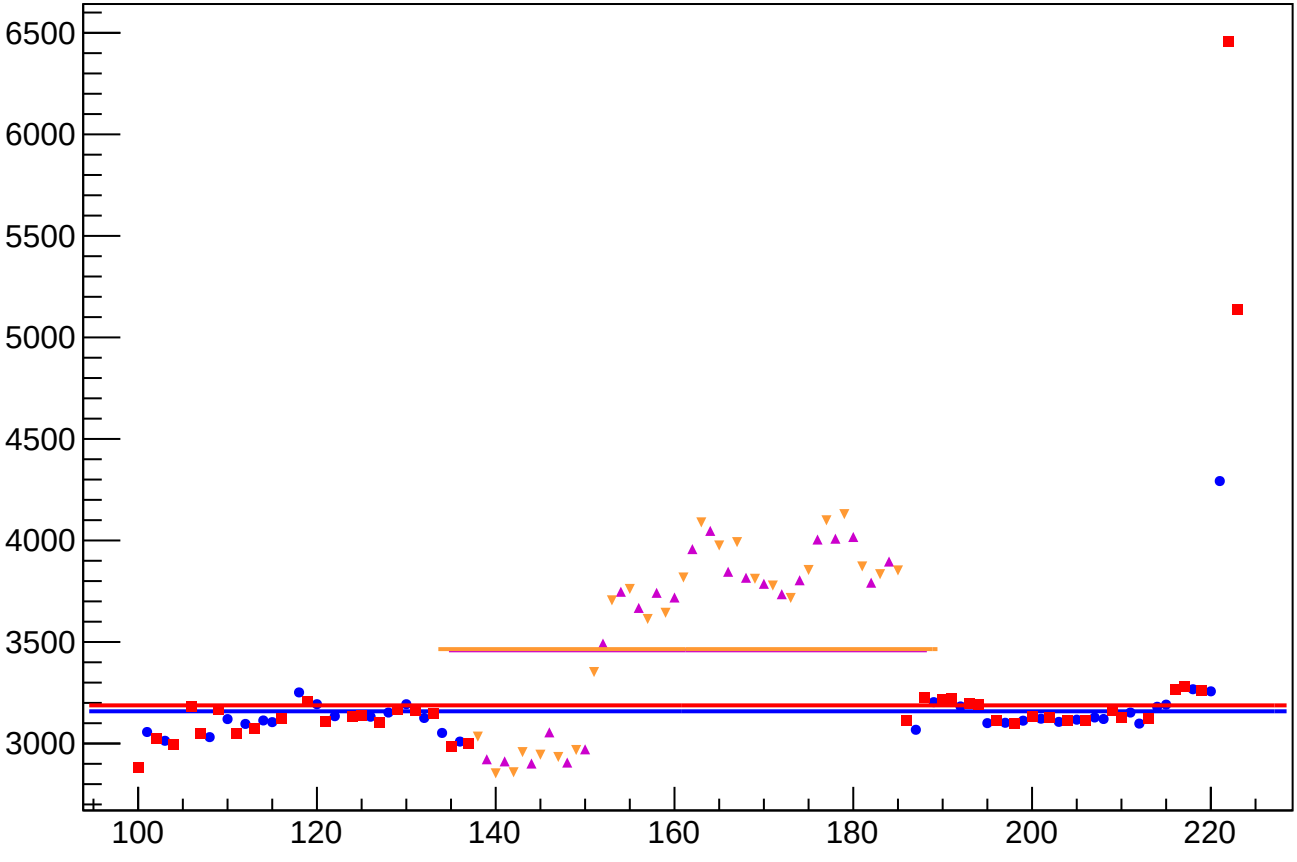
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -28.378+/-0.514 χ^2/NDF: 1668.0/58

All: -16.774+/-0.365 χ^2/NDF: 8135.3/120

- sign -5.015+/-0.518 χ^2/NDF: 5441.5/61

diff_bpm0l01X_rms vs Slug



Right In: 3158.701+/-0.477 χ^2/NDF: 148435.0/33

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3187.873+/-0.474 χ^2/NDF: 609746.6/38

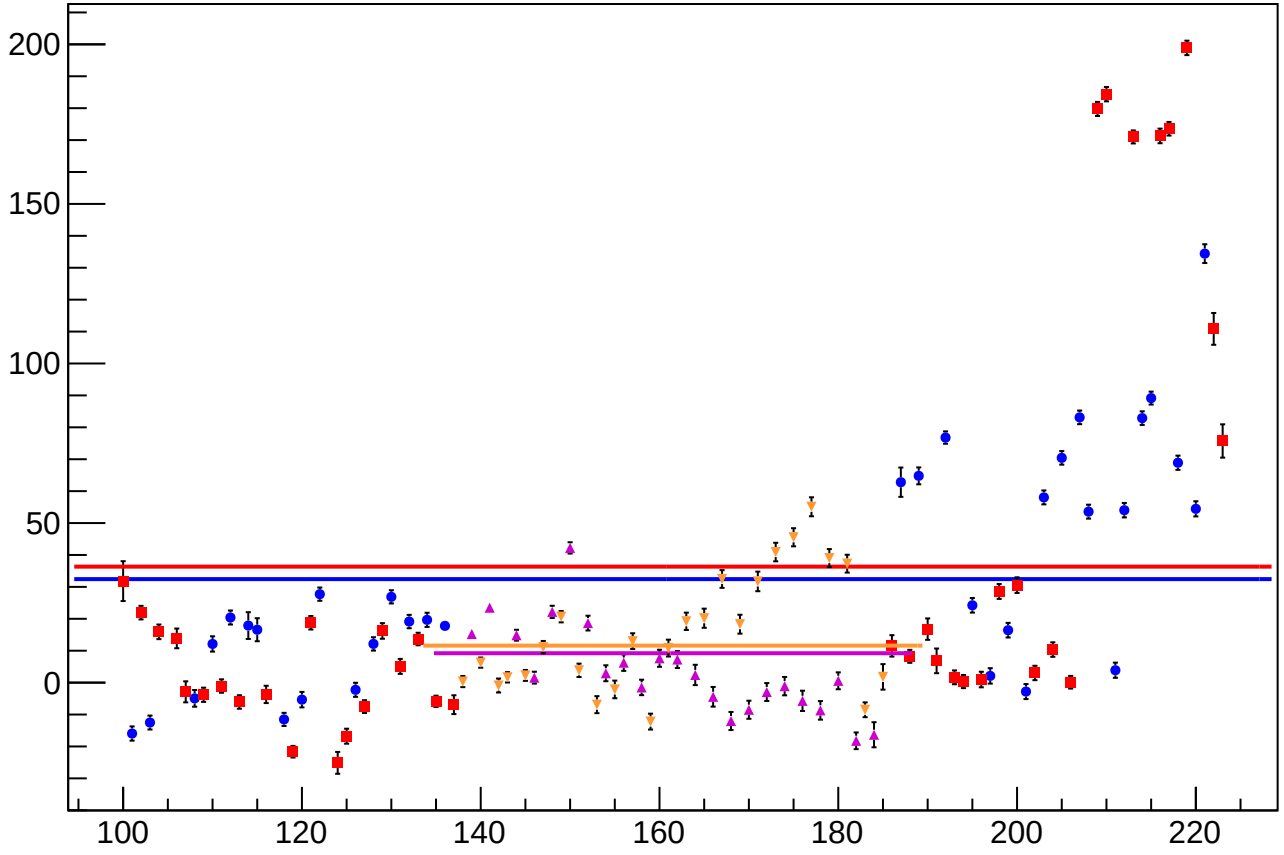
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

\+ sign 3287.115+/-0.364 χ^2/NDF: 965246.7/58

All: 3292.222+/-0.258 χ^2/NDF: 2290916.3/12

\- sign 3297.399+/-0.366 χ^2/NDF: 1325272.1/61

diff_bpm0l01Y_mean vs Slug



Right In: 32.435+/-0.384 χ^2/NDF: 7895.7/33

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 36.345+/-0.380 χ^2/NDF: 32889.2/38

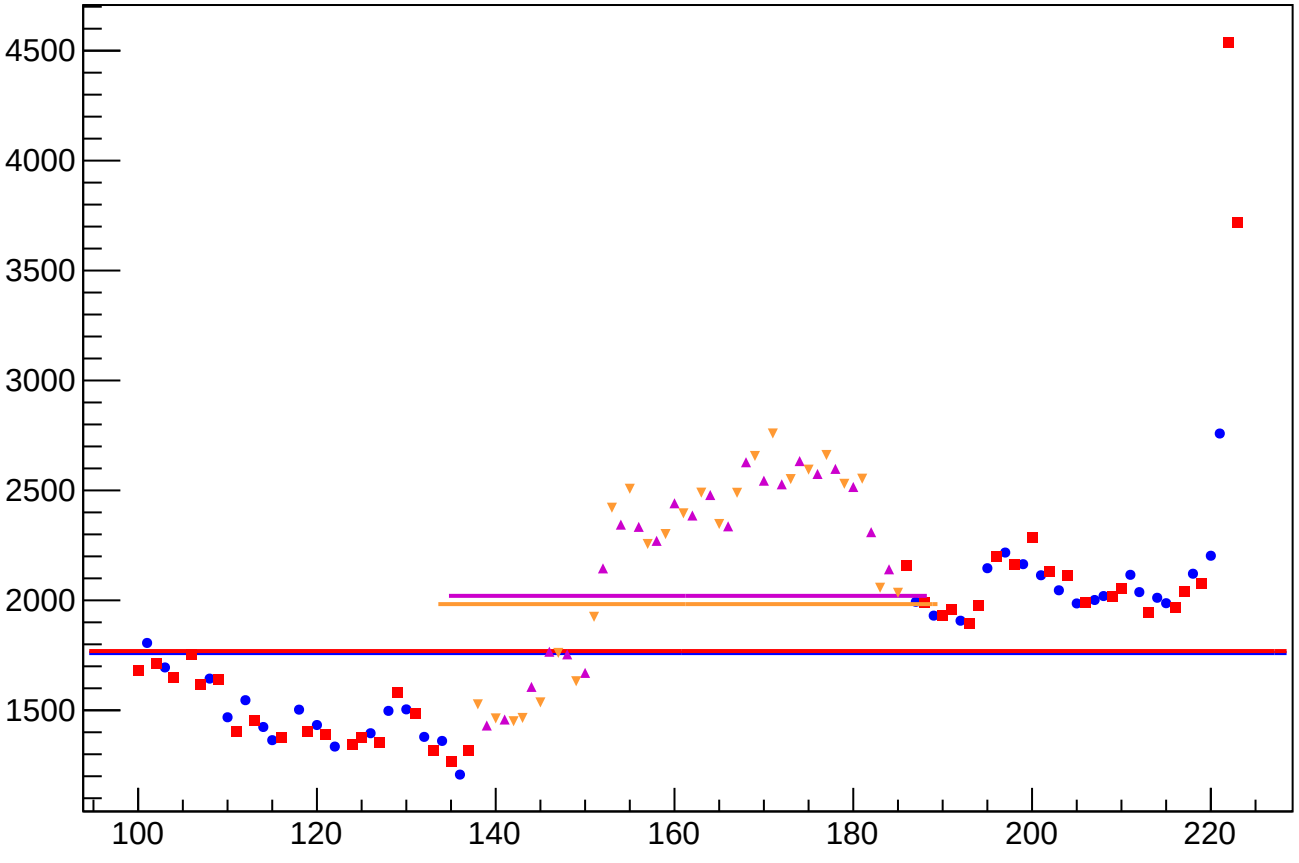
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 23.959+/-0.296 χ^2/NDF: 10291.8/58

All: 24.966+/-0.210 χ^2/NDF: 46090.5/120

\- sign 25.995+/-0.299 χ^2/NDF: 35775.2/61

diff_bpm0l01Y_rms vs Slug



Right In: 1760.099+/-0.271 χ^2/NDF: 1712619.1/33

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

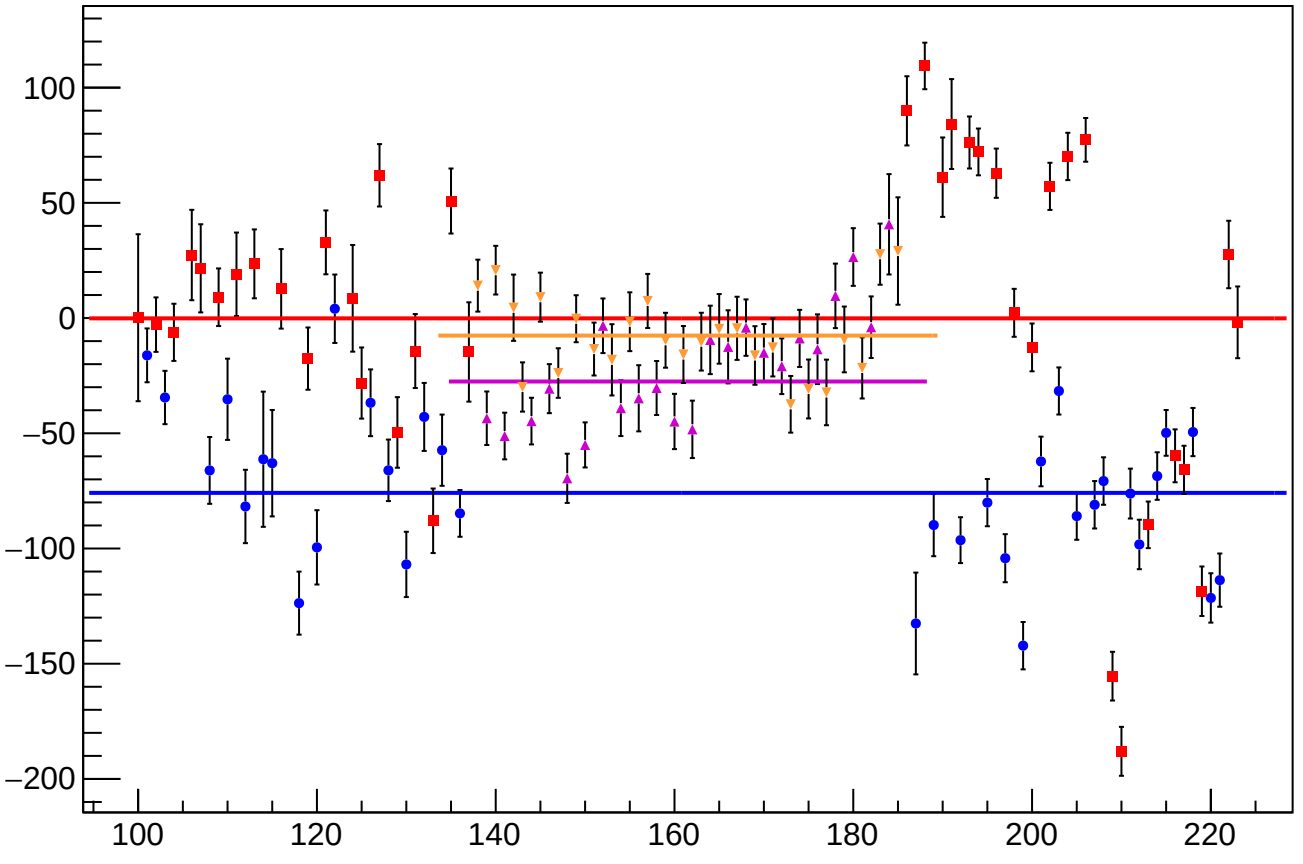
Right Out: 1769.398+/-0.269 χ^2/NDF: 2306094.2/38

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1850.726+/-0.209 χ^2/NDF: 3964444.8/58

All: 1857.869+/-0.149 χ^2/NDF: 8220744.6/12

- sign 1865.169+/-0.211 χ^2/NDF: 4253938.0/61



Right In: -75.859+/-2.077 χ^2/NDF: 238.3/33

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -0.124+/-2.055 χ^2/NDF: 1366.0/38

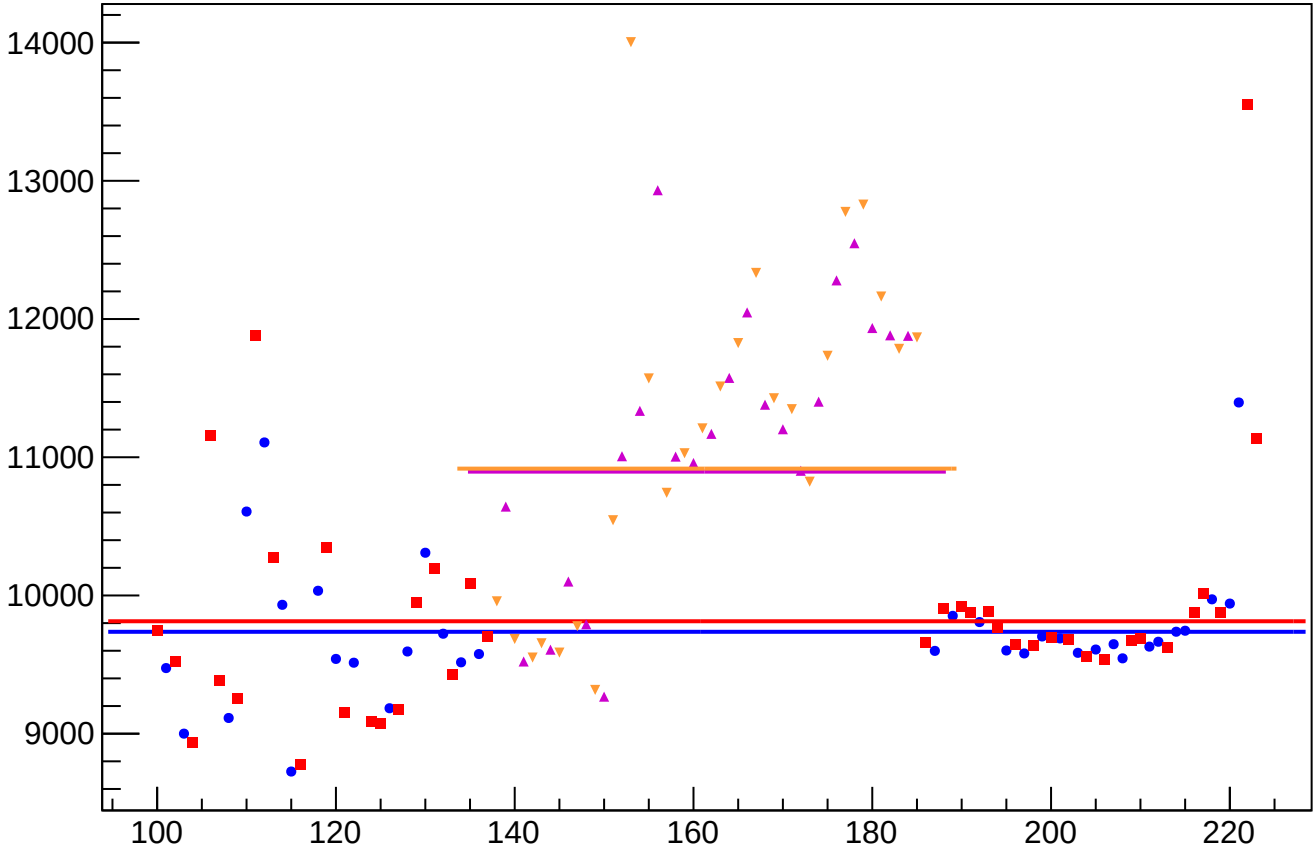
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -47.911+/-1.596 χ^2/NDF: 728.4/58

All: -29.460+/-1.131 χ^2/NDF: 2525.2/120

- sign -10.883+/-1.602 χ^2/NDF: 1528.8/61

diff_bpm0l02X_rms vs Slug



Right In: 9737.149+/-1.469 χ^2/NDF: 91488.5/33

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9813.411+/-1.453 χ^2/NDF: 235685.6/38

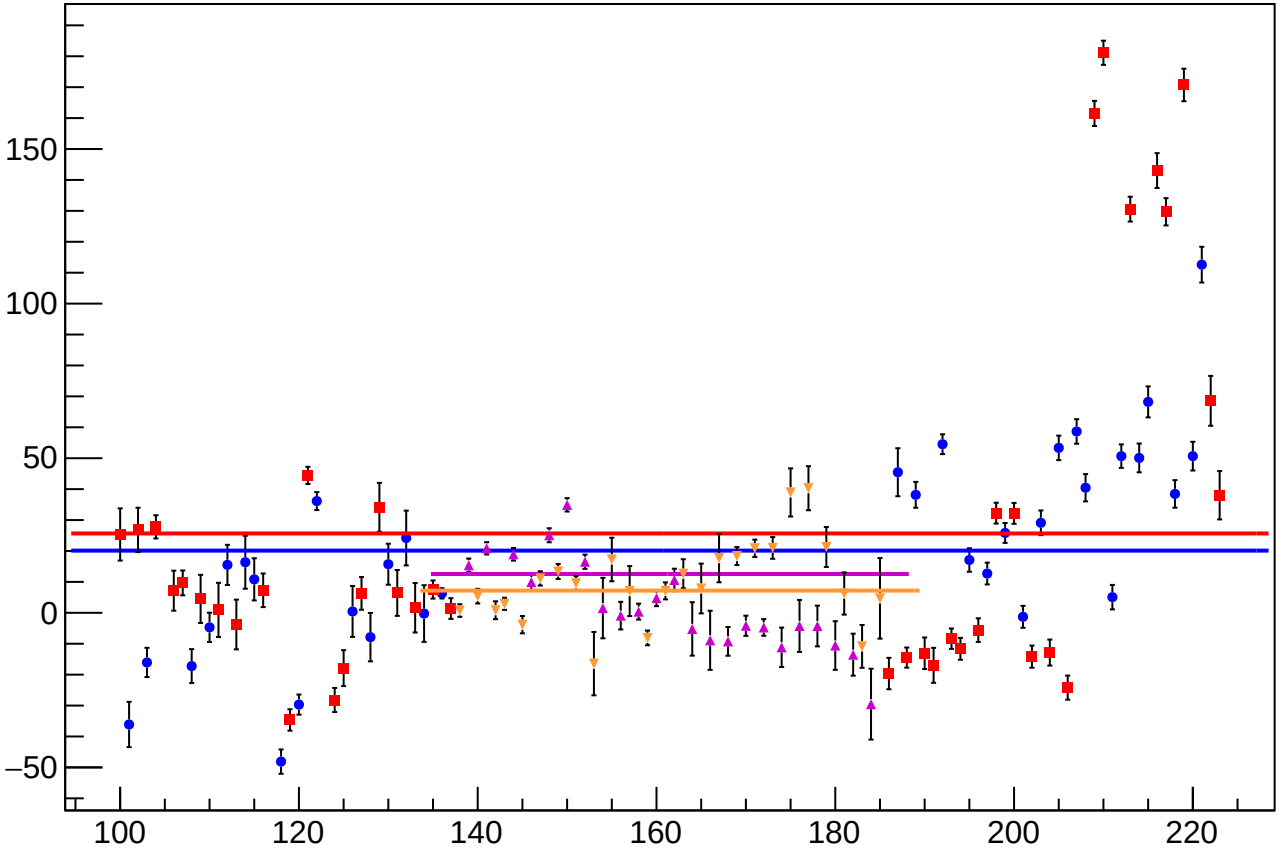
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10220.474+/-1.129 χ^2/NDF: 781779.5/58

All: 10229.440+/-0.800 χ^2/NDF: 1533481.5/1

- sign 10238.468+/-1.133 χ^2/NDF: 751575.3/61

diff_bpm0l02Y_mean vs Slug



Right In: 20.114+/-0.707 χ^2/NDF: 1761.4/33

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 25.664+/-0.703 χ^2/NDF: 6954.2/38

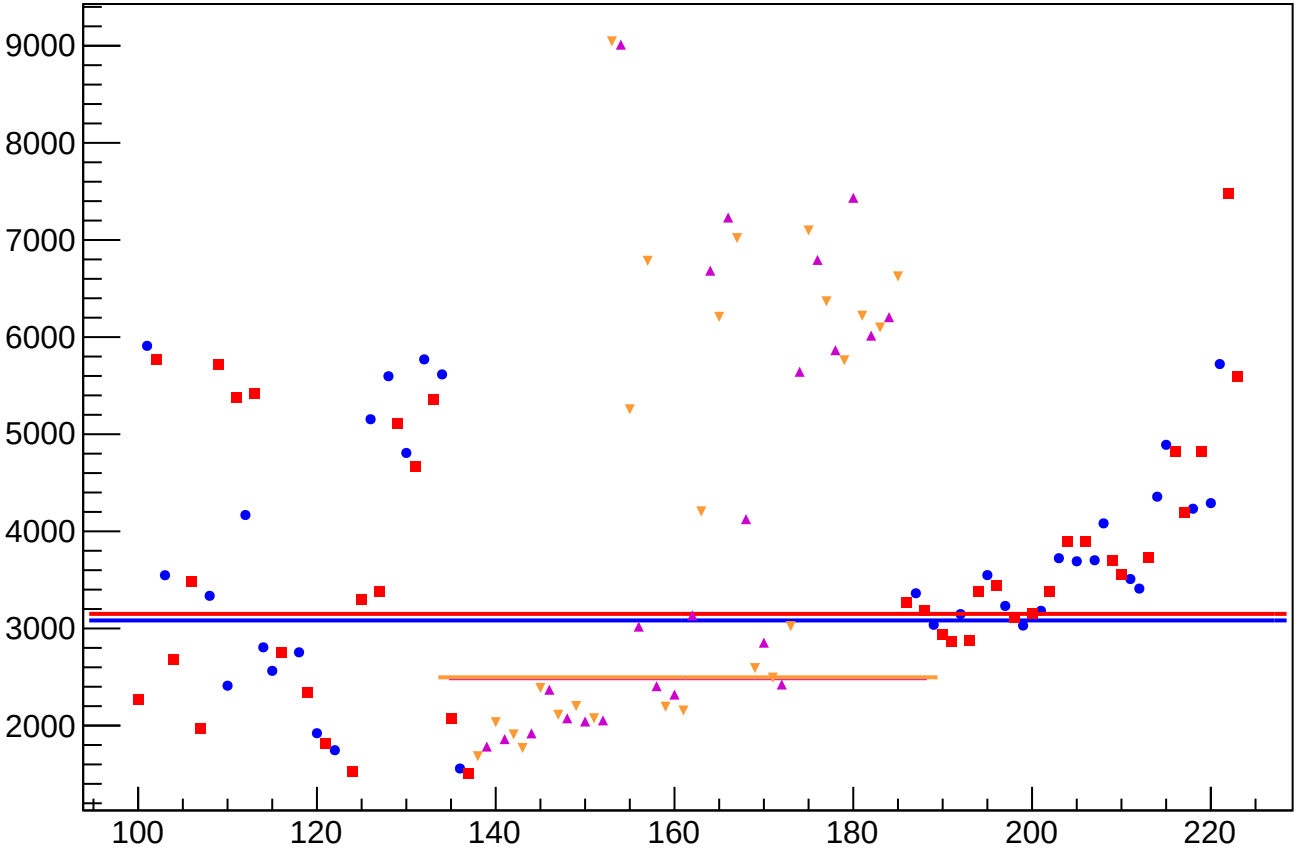
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 13.142+/-0.480 χ^2/NDF: 2143.4/58

All: 15.916+/-0.340 χ^2/NDF: 9721.6/120

- sign 18.704+/-0.481 χ^2/NDF: 7511.2/61

diff_bpm0l02Y_rms vs Slug



Right In: 3082.663+/-0.500 χ^2/NDF: 5023553.0/33

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

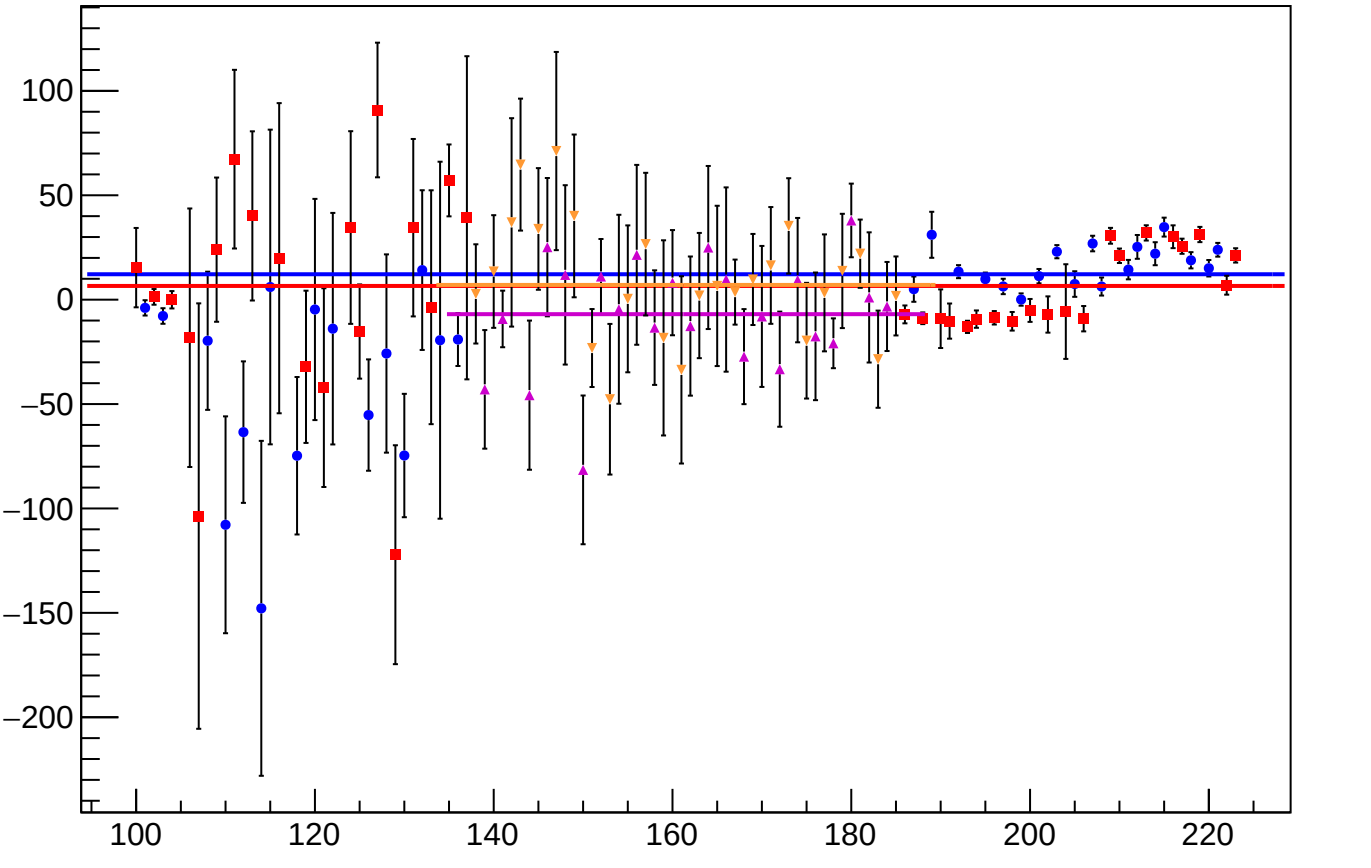
Right Out: 3150.143+/-0.497 χ^2/NDF: 4590894.4/38

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2766.731+/-0.339 χ^2/NDF: 12969702.7/58

All: 2782.583+/-0.240 χ^2/NDF: 24612187.9/1

- sign 2798.518+/-0.340 χ^2/NDF: 11638111.0/61



Right In: 12.176+/-0.875 χ^2/NDF: 194.6/33

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

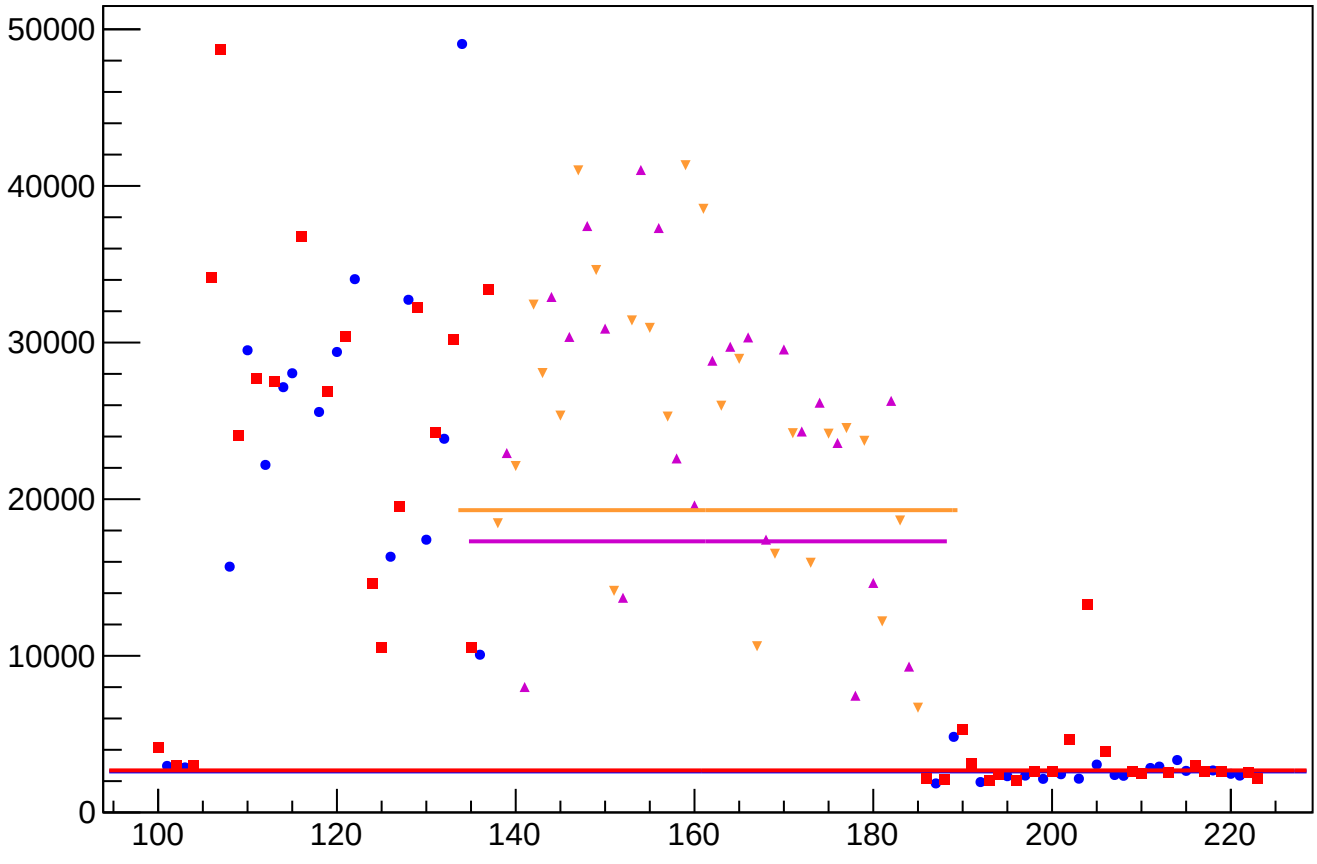
Right Out: 6.575+/-0.881 χ^2/NDF: 406.5/38

Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 12.037+/-0.863 χ^2/NDF: 215.1/58

All: 9.126+/-0.612 χ^2/NDF: 672.5/120

- sign 6.181+/-0.868 χ^2/NDF: 434.5/61



Right In: 2620.025+/-0.619 χ^2/NDF: 8006936.8/33

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2684.595+/-0.623 χ^2/NDF: 9481653.1/38

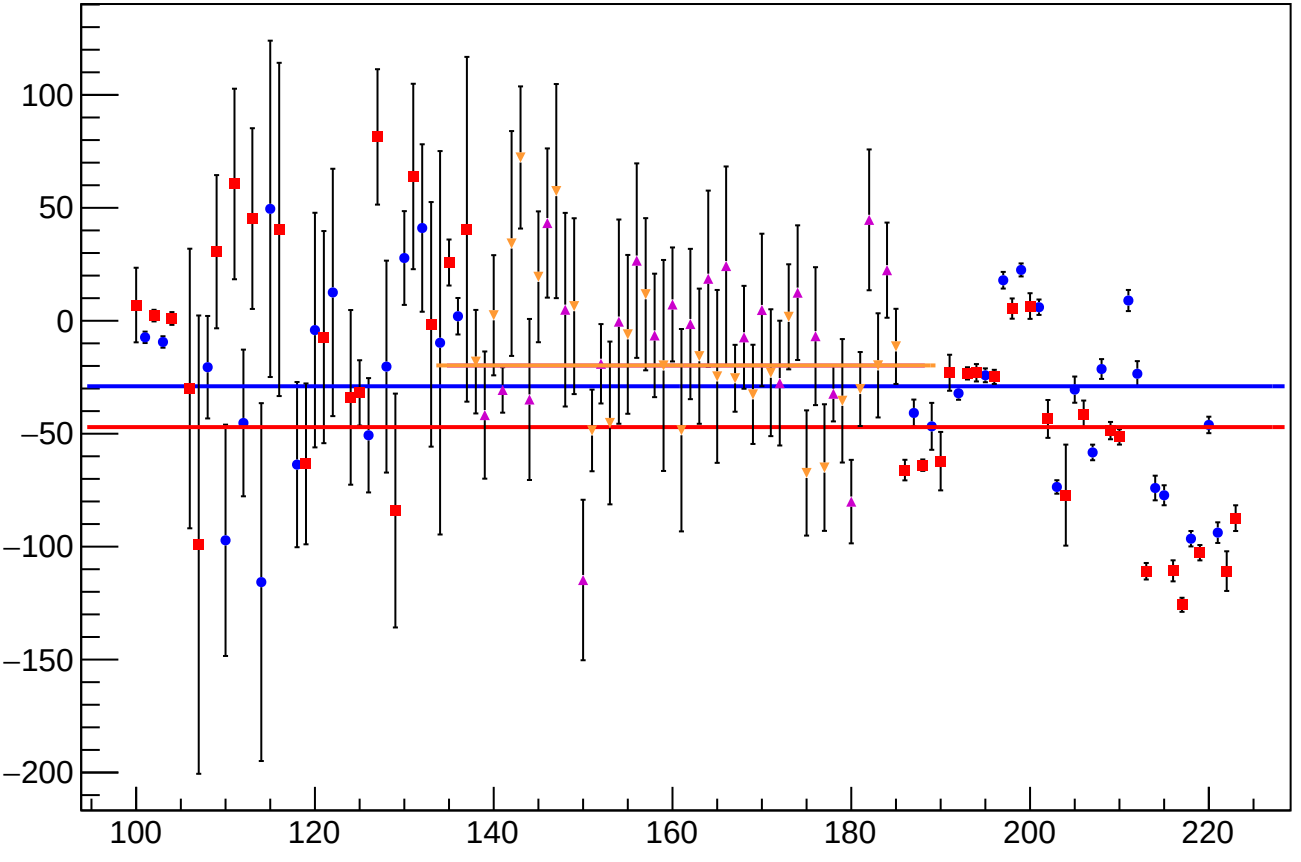
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3074.742+/-0.610 χ^2/NDF: 32849901.9/58

All: 3092.293+/-0.433 χ^2/NDF: 65080144.2/1

- sign 3110.053+/-0.614 χ^2/NDF: 32228578.5/61

diff_bpm0l03Y_mean vs Slug



Right In: -28.998+/-0.808 χ^2/NDF: 1928.7/33

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -47.078+/-0.826 χ^2/NDF: 2737.3/38

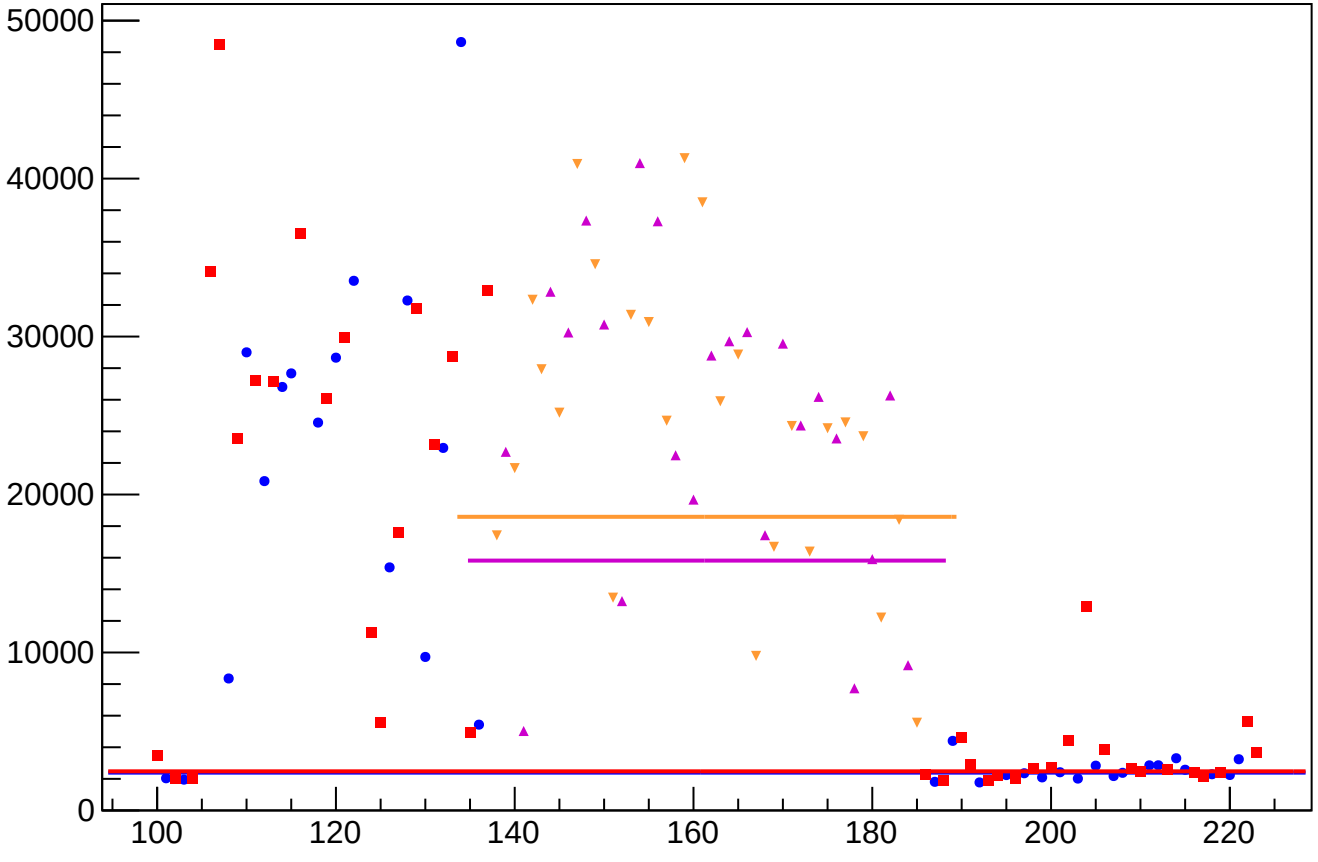
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -28.774+/-0.798 χ^2/NDF: 1959.6/58

All: -37.367+/-0.570 χ^2/NDF: 5004.5/120

- sign -46.308+/-0.814 χ^2/NDF: 2808.3/61

diff_bpm0l03Y_rms vs Slug



Right In: 2394.772+/-0.571 χ^2/NDF: 7249386.3/33

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2476.712+/-0.584 χ^2/NDF: 9391920.8/38

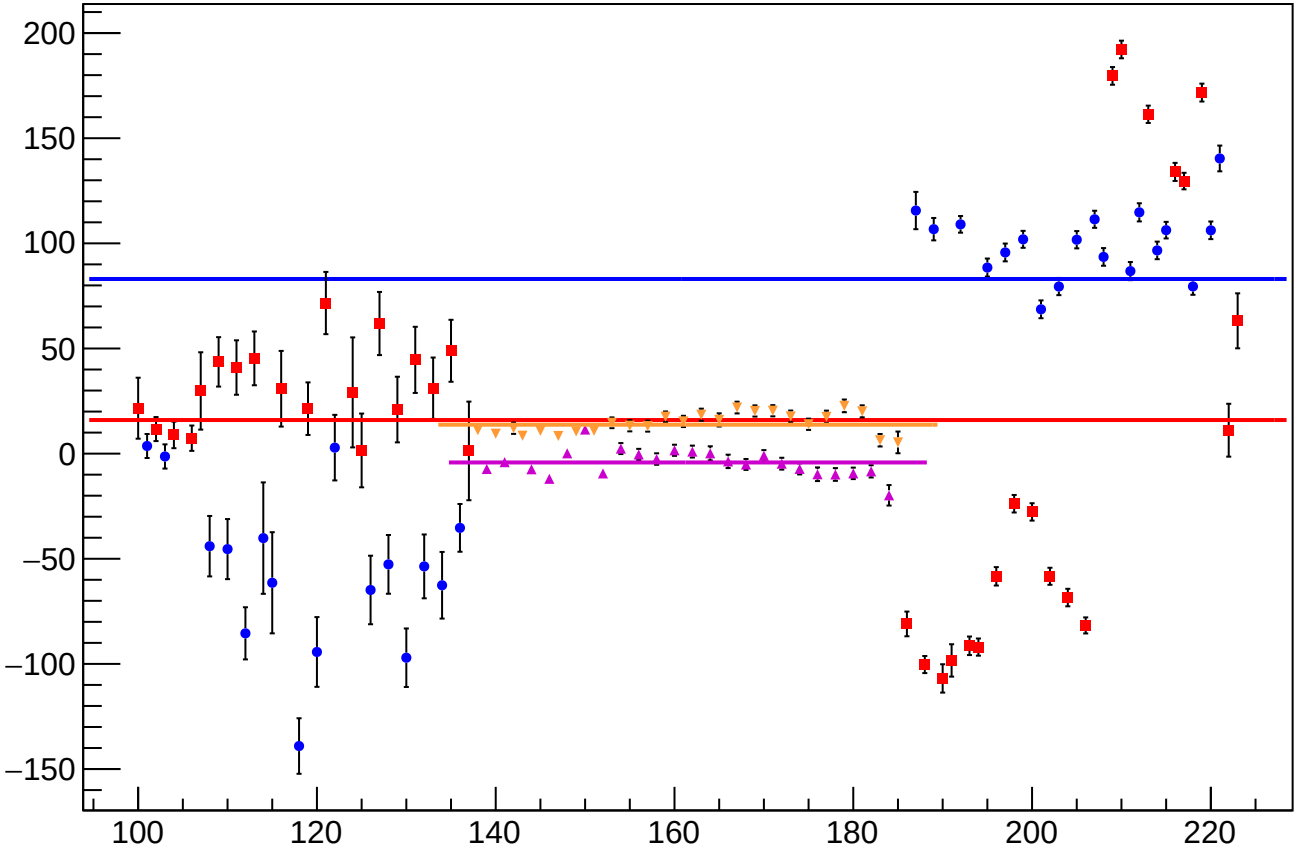
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2788.896+/-0.564 χ^2/NDF: 32494837.7/58

All: 2820.502+/-0.403 χ^2/NDF: 65032380.2/1

- sign 2853.386+/-0.576 χ^2/NDF: 32531144.6/61

diff_bpm0l04X_mean vs Slug



Right In: 83.054+/-0.965 χ^2/NDF: 2267.4/33

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

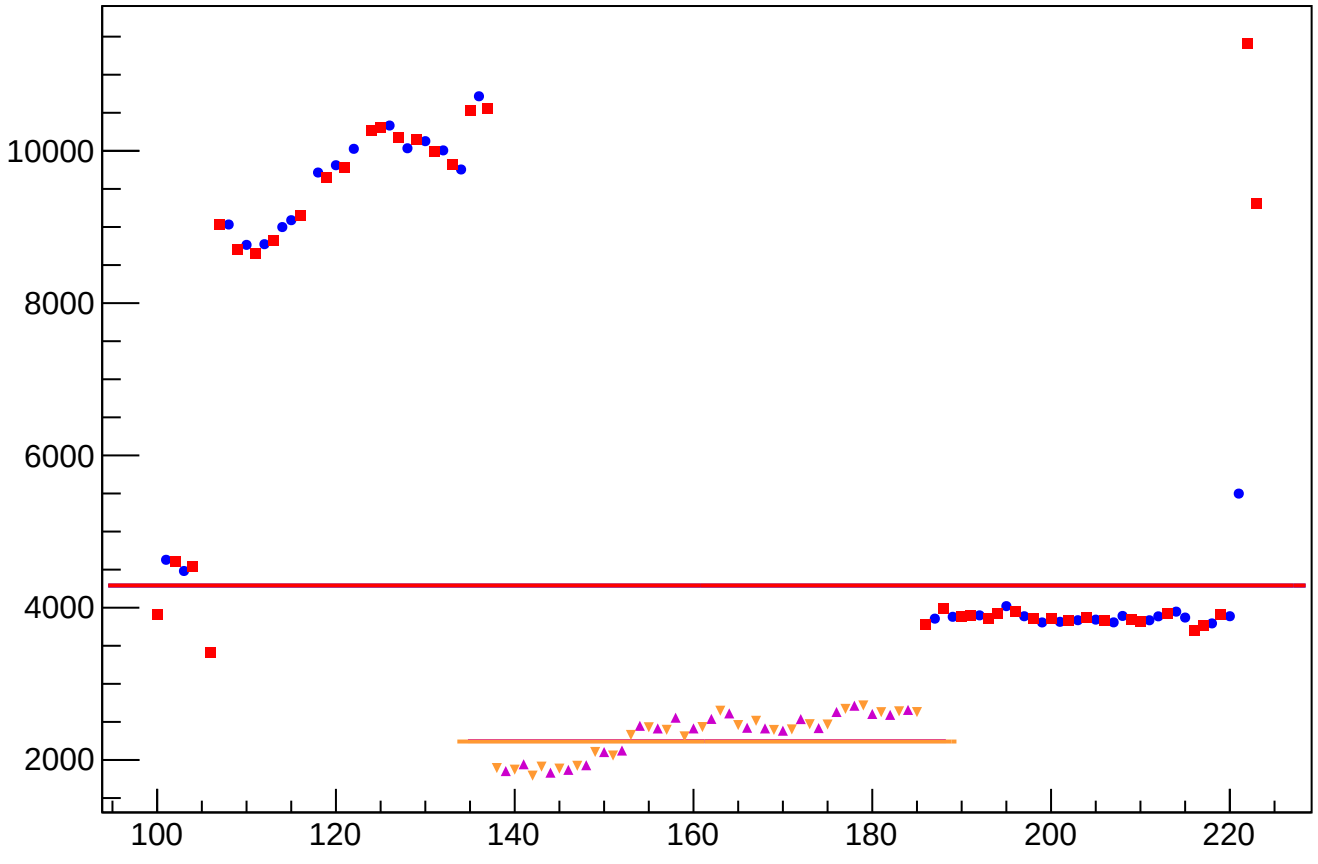
Right Out: 15.978+/-0.950 χ^2/NDF: 12359.7/38

Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

\+ sign 29.087+/-0.454 χ^2/NDF: 6364.3/58

All: 15.126+/-0.324 χ^2/NDF: 21125.7/120

\- sign 0.586+/-0.463 χ^2/NDF: 12827.6/61



Right In: 4290.486+/-0.682 χ^2/NDF: 4198656.0/33

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4292.186+/-0.672 χ^2/NDF: 5007415.5/38

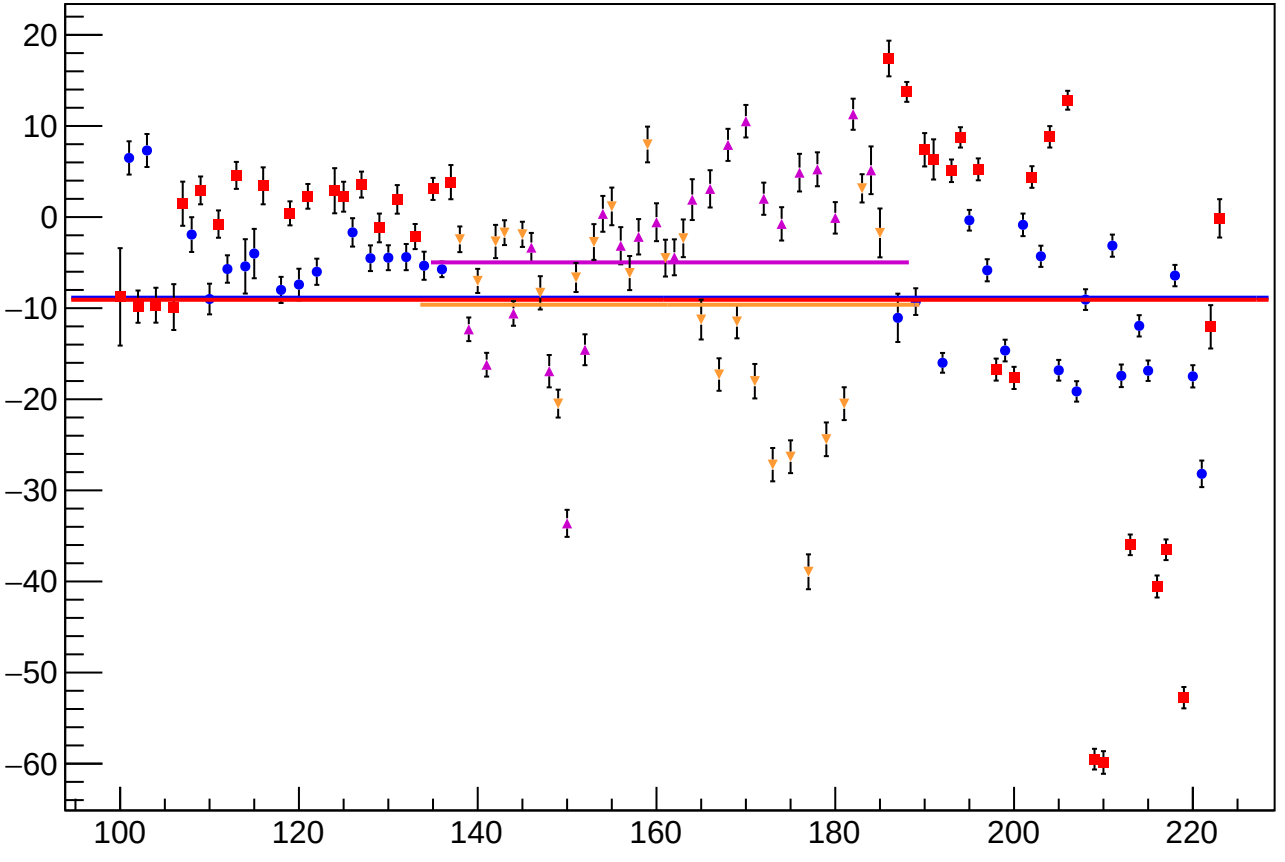
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2695.347+/-0.321 χ^2/NDF: 11880265.5/58

All: 2714.052+/-0.229 χ^2/NDF: 24591324.1/1

- sign 2733.531+/-0.327 χ^2/NDF: 12704116.7/61

diff_bpm0l04Y_mean vs Slug



Right In: -8.849+/-0.229 χ^2/NDF: 924.2/33

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -9.078+/-0.228 χ^2/NDF: 9809.2/38

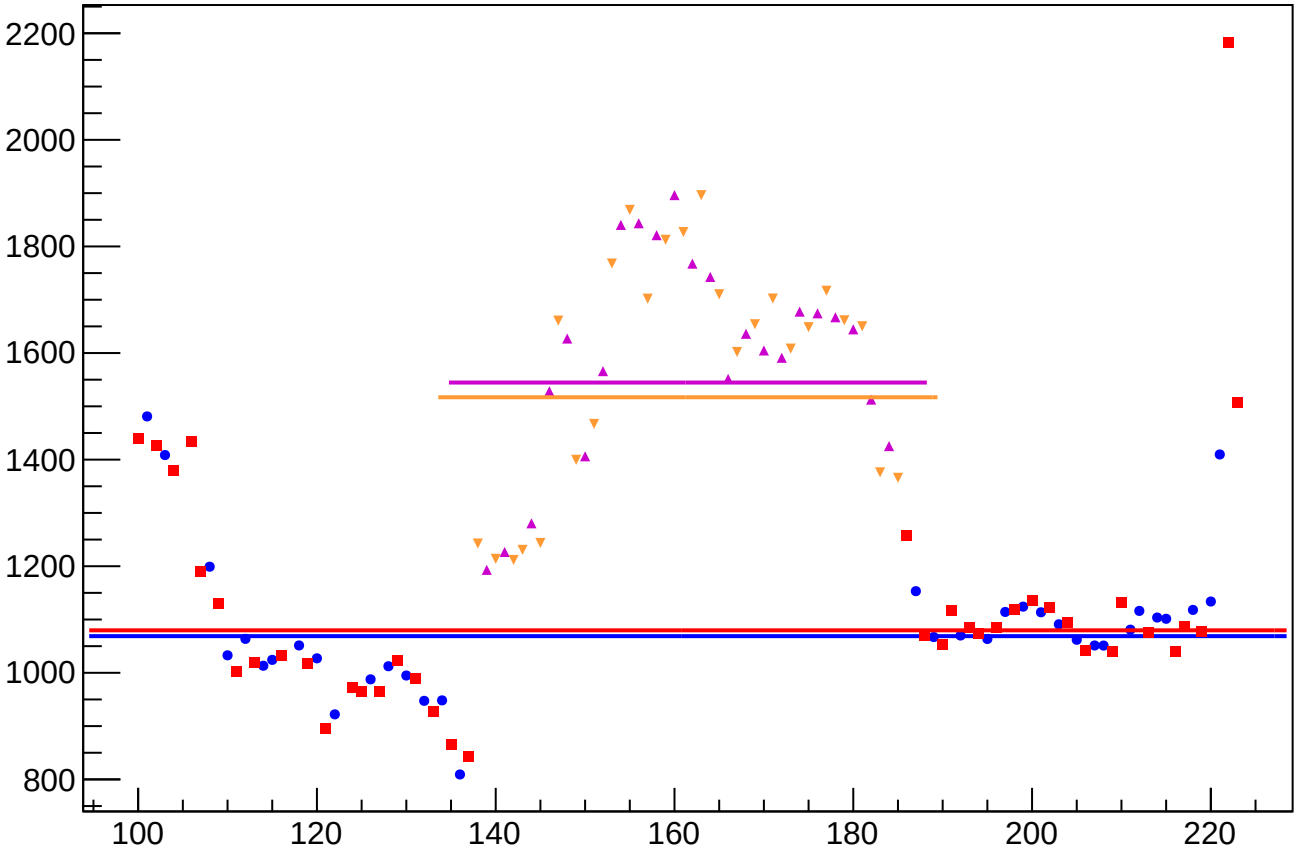
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -9.082+/-0.192 χ^2/NDF: 1861.9/58

All: -8.508+/-0.136 χ^2/NDF: 12710.0/120

- sign -7.925+/-0.193 χ^2/NDF: 10830.0/61

diff_bpm0l04Y_rms vs Slug



Right In: 1068.793+/-0.162 χ^2/NDF: 568522.2/33

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1079.725+/-0.161 χ^2/NDF: 937016.7/38

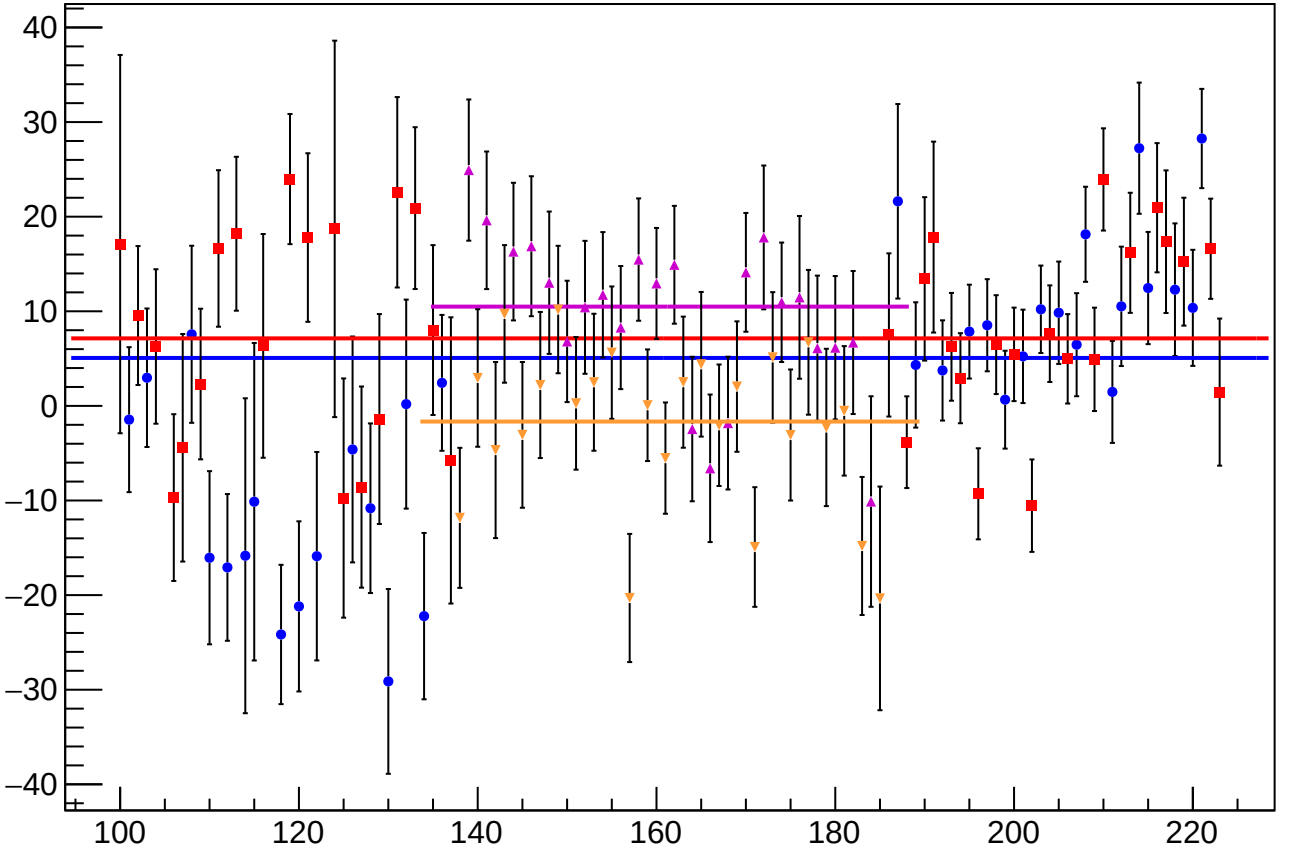
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1203.938+/-0.136 χ^2/NDF: 3704267.3/58

All: 1207.116+/-0.096 χ^2/NDF: 7618921.8/12

- sign 1210.346+/-0.137 χ^2/NDF: 3913546.1/61

diff_bpm0l05X_mean vs Slug



Right In: 5.069+/-1.141 χ^2/NDF: 118.1/33

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

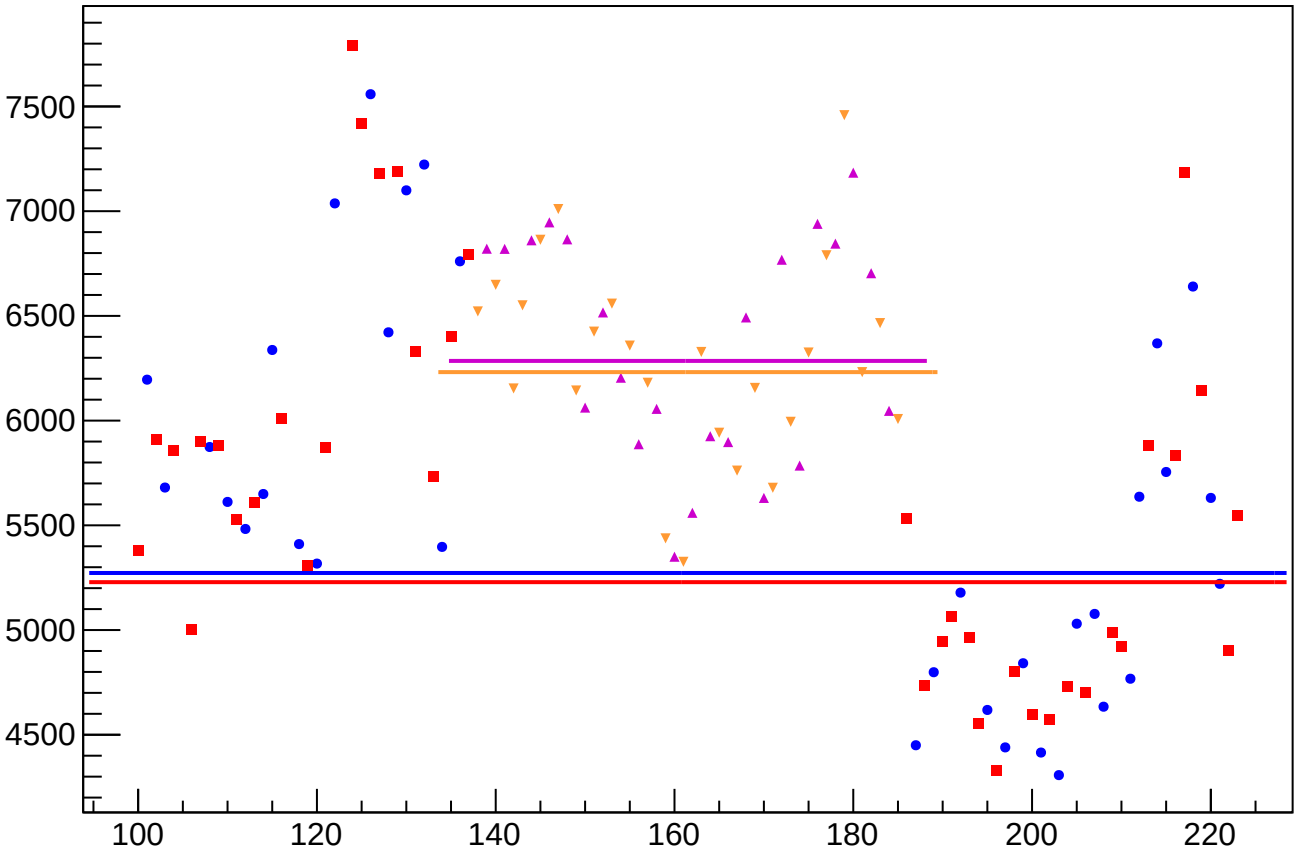
Right Out: 7.137+/-1.108 χ^2/NDF: 82.1/38

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 2.444+/-0.891 χ^2/NDF: 163.1/58

All: 5.407+/-0.629 χ^2/NDF: 295.5/120

- sign 8.343+/-0.887 χ^2/NDF: 110.4/61



Right In: 5272.473+/-0.807 χ^2/NDF: 921549.2/33

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5228.651+/-0.784 χ^2/NDF: 882282.3/38

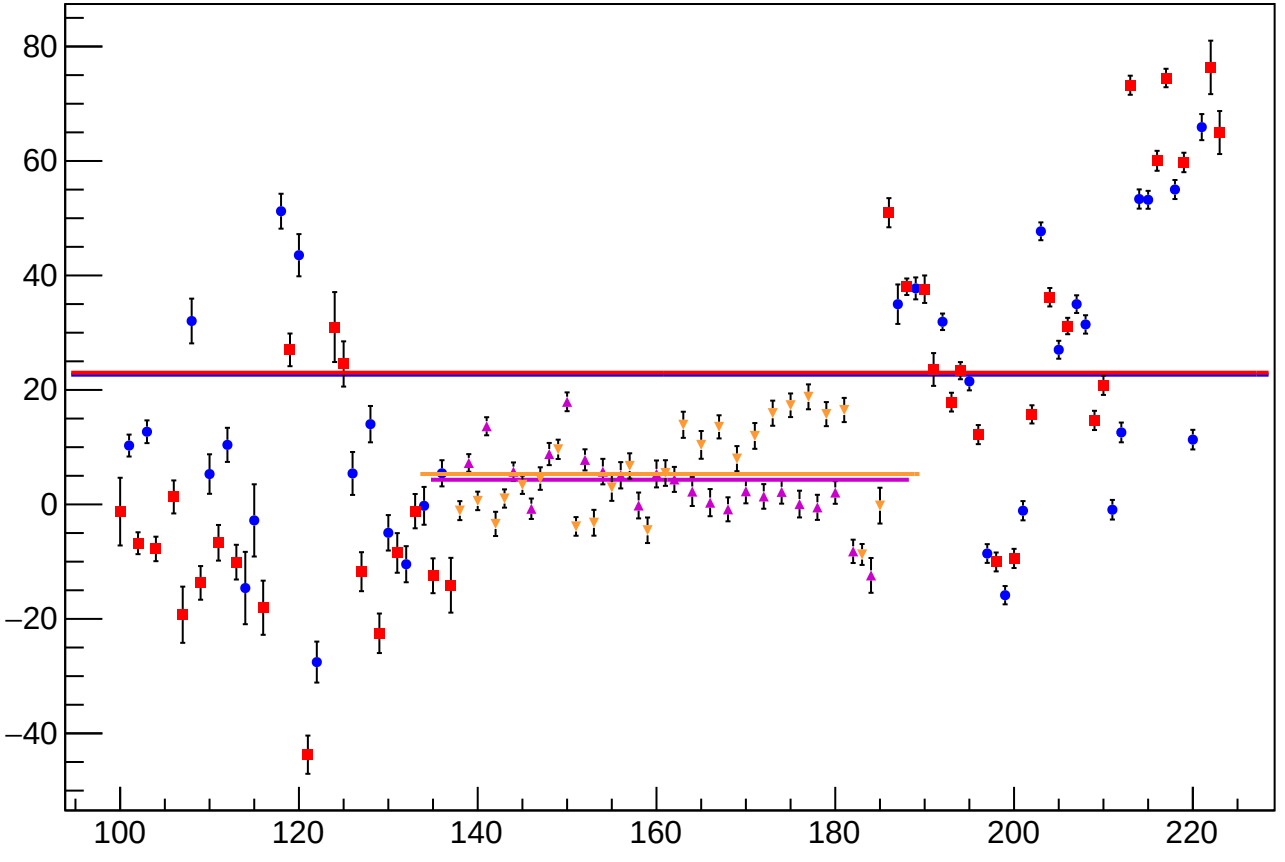
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5646.846+/-0.630 χ^2/NDF: 1699860.1/58

All: 5627.503+/-0.445 χ^2/NDF: 3502386.4/12

- sign 5608.333+/-0.627 χ^2/NDF: 1800650.0/61

diff_bpm0l05Y_mean vs Slug



Right In: 22.669+/-0.352 χ^2/NDF: 4147.8/33

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 23.013+/-0.349 χ^2/NDF: 6408.4/38

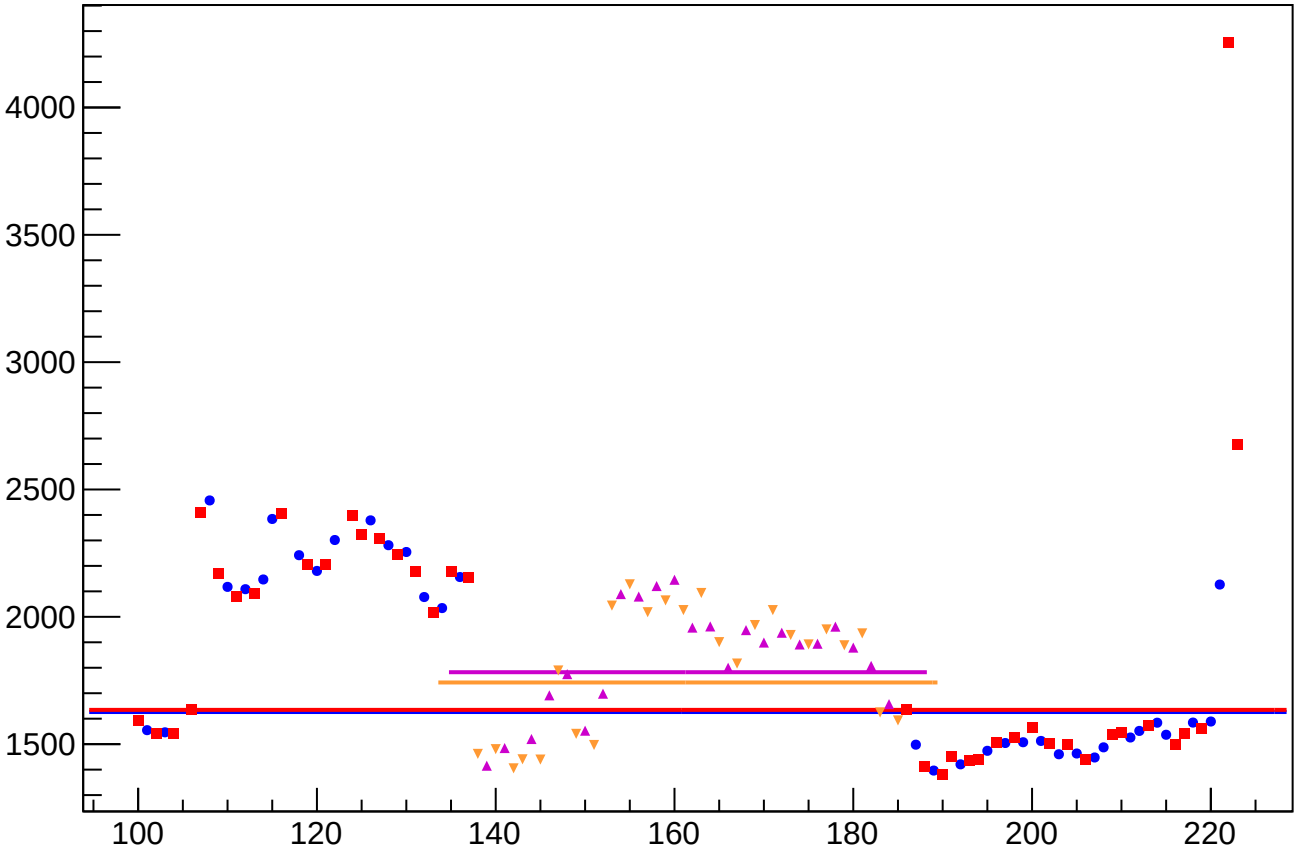
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 15.103+/-0.264 χ^2/NDF: 5586.2/58

All: 15.239+/-0.188 χ^2/NDF: 13388.5/120

\- sign 15.378+/-0.268 χ^2/NDF: 7801.9/61

diff_bpm0l05Y_rms vs Slug



Right In: 1626.179+/-0.249 χ^2/NDF: 1181834.6/33

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1634.606+/-0.247 χ^2/NDF: 1854937.1/38

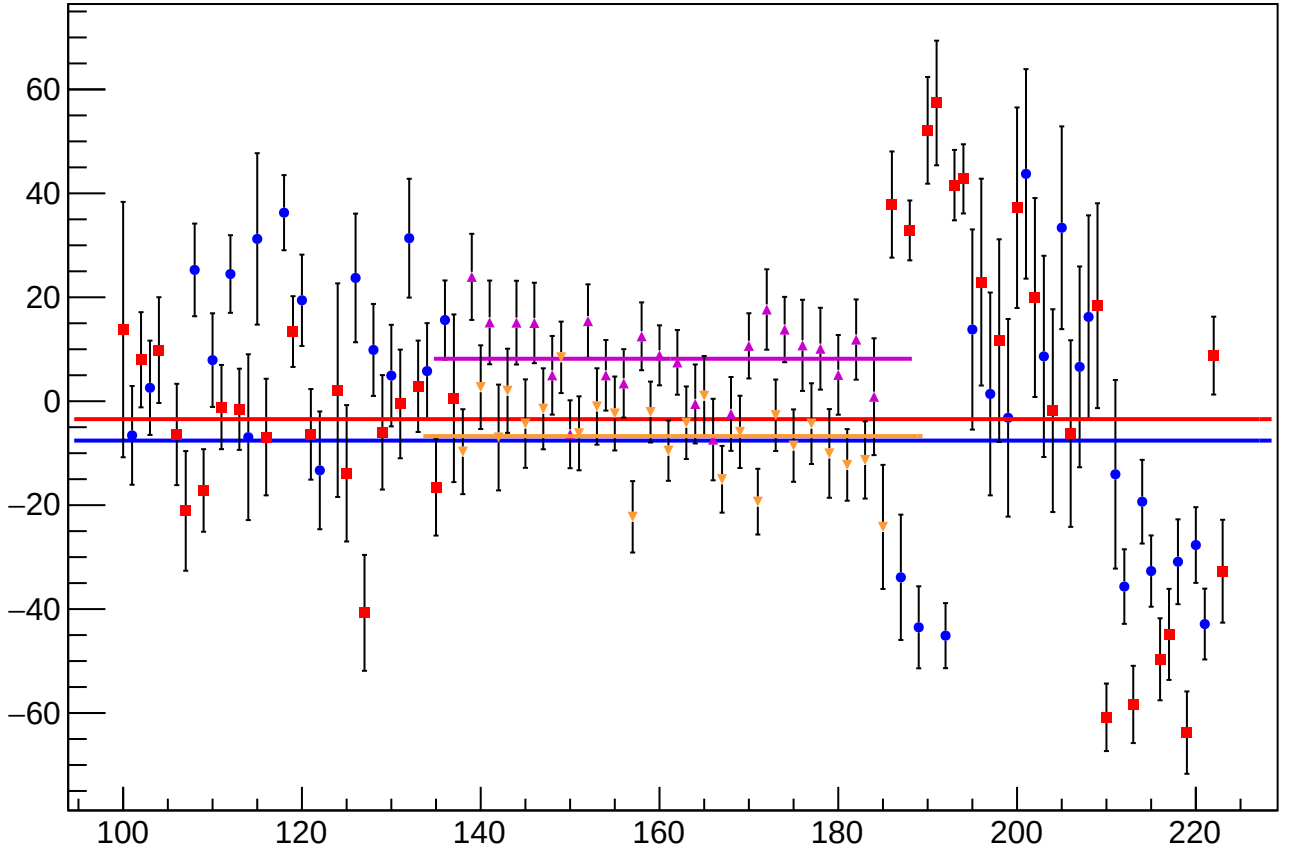
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1676.760+/-0.187 χ^2/NDF: 2044276.1/58

All: 1685.730+/-0.133 χ^2/NDF: 4584970.6/12

- sign 1694.978+/-0.190 χ^2/NDF: 2536016.5/61

diff_bpm0l06X_mean vs Slug



Right In: -7.576+/-1.657 χ^2/NDF: 273.3/33

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -3.449+/-1.529 χ^2/NDF: 501.9/38

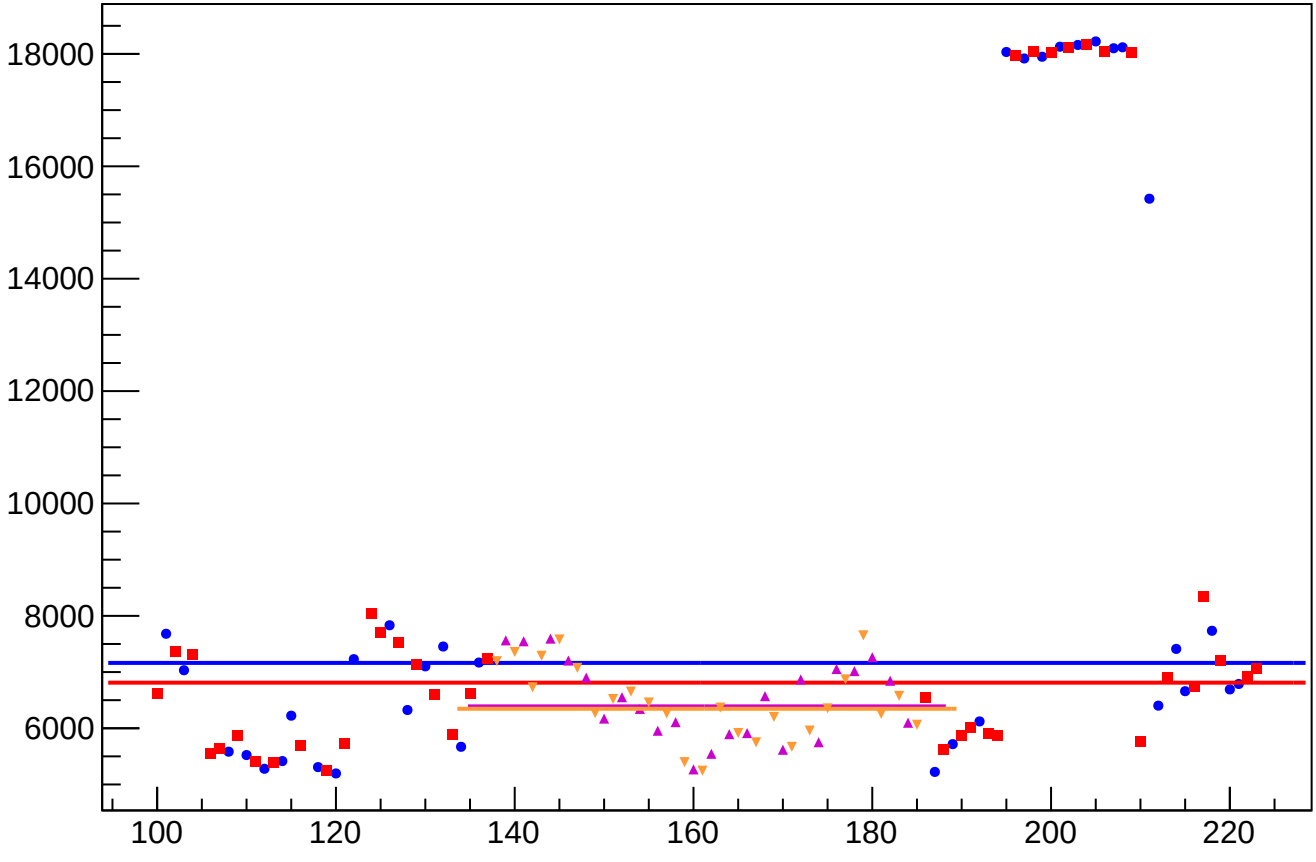
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -7.089+/-1.095 χ^2/NDF: 299.1/58

All: -2.239+/-0.767 χ^2/NDF: 892.9/120

- sign 2.435+/-1.074 χ^2/NDF: 555.3/61

diff_bpm0l06X_rms vs Slug



Right In: 7163.208+/-1.172 χ^2/NDF: 6286391.4/33

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6811.580+/-1.081 χ^2/NDF: 5508078.5/38

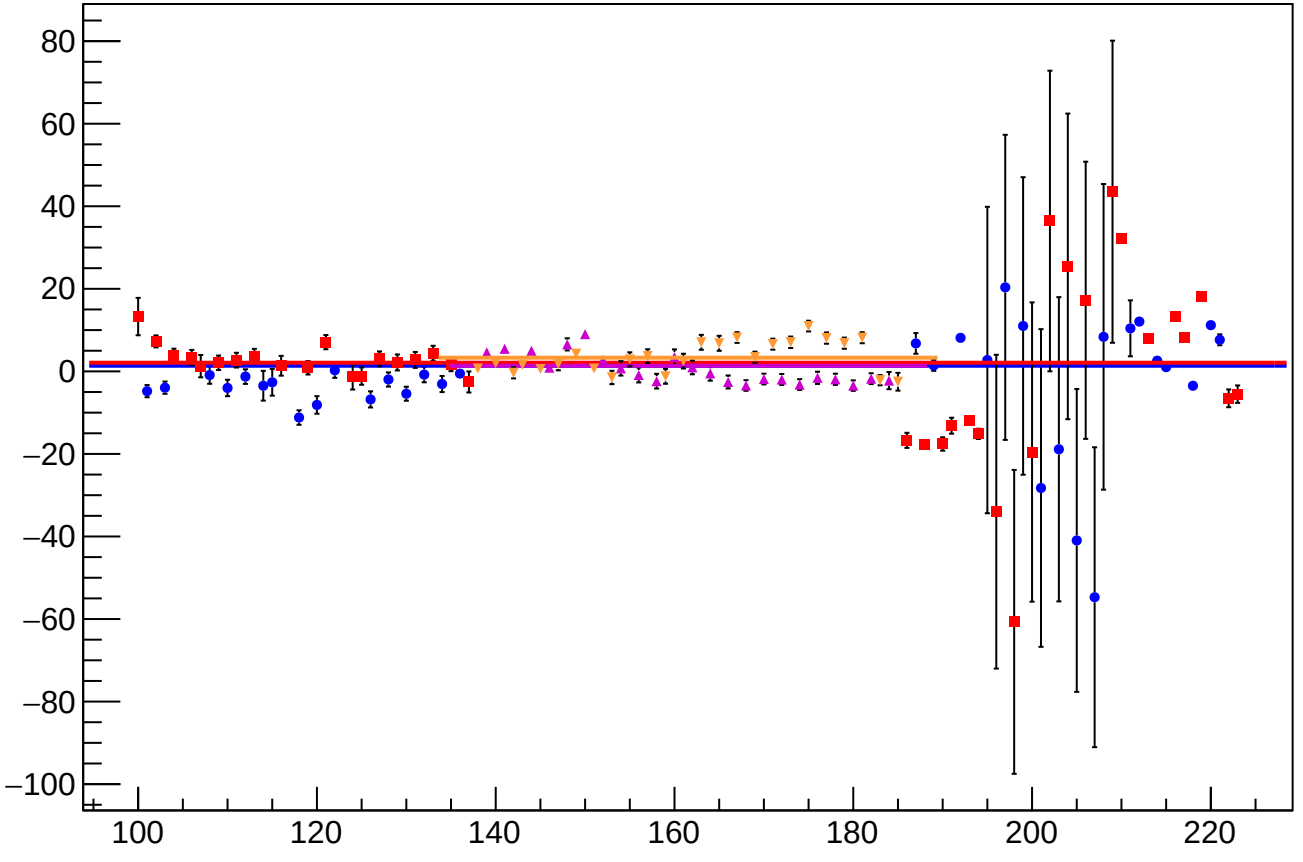
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6703.176+/-0.774 χ^2/NDF: 6945705.4/58

All: 6649.523+/-0.542 χ^2/NDF: 12960149.0/1

- sign 6597.827+/-0.760 χ^2/NDF: 6005008.6/61

diff_bpm0l06Y_mean vs Slug



Right In: 1.366+/-0.291 χ^2/NDF: 431.6/33

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 2.096+/-0.273 χ^2/NDF: 2145.9/38

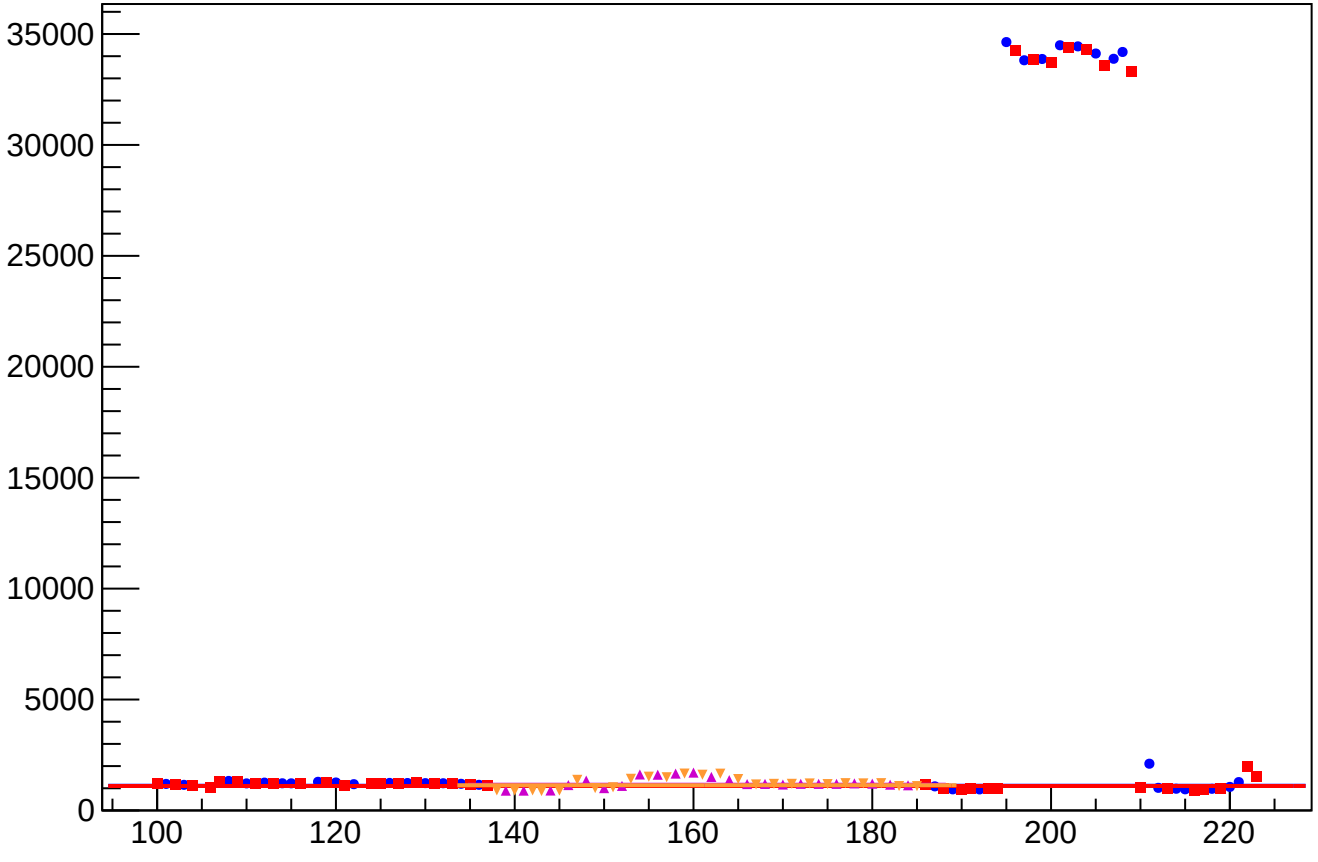
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 2.432+/-0.196 χ^2/NDF: 633.9/58

All: 2.079+/-0.138 χ^2/NDF: 2986.3/120

- sign 1.731+/-0.194 χ^2/NDF: 2345.9/61

diff_bpm0l06Y_rms vs Slug



Right In: 1113.456+/-0.206 χ^2/NDF: 13264774.4/33

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1102.719+/-0.193 χ^2/NDF: 12248217.3/38

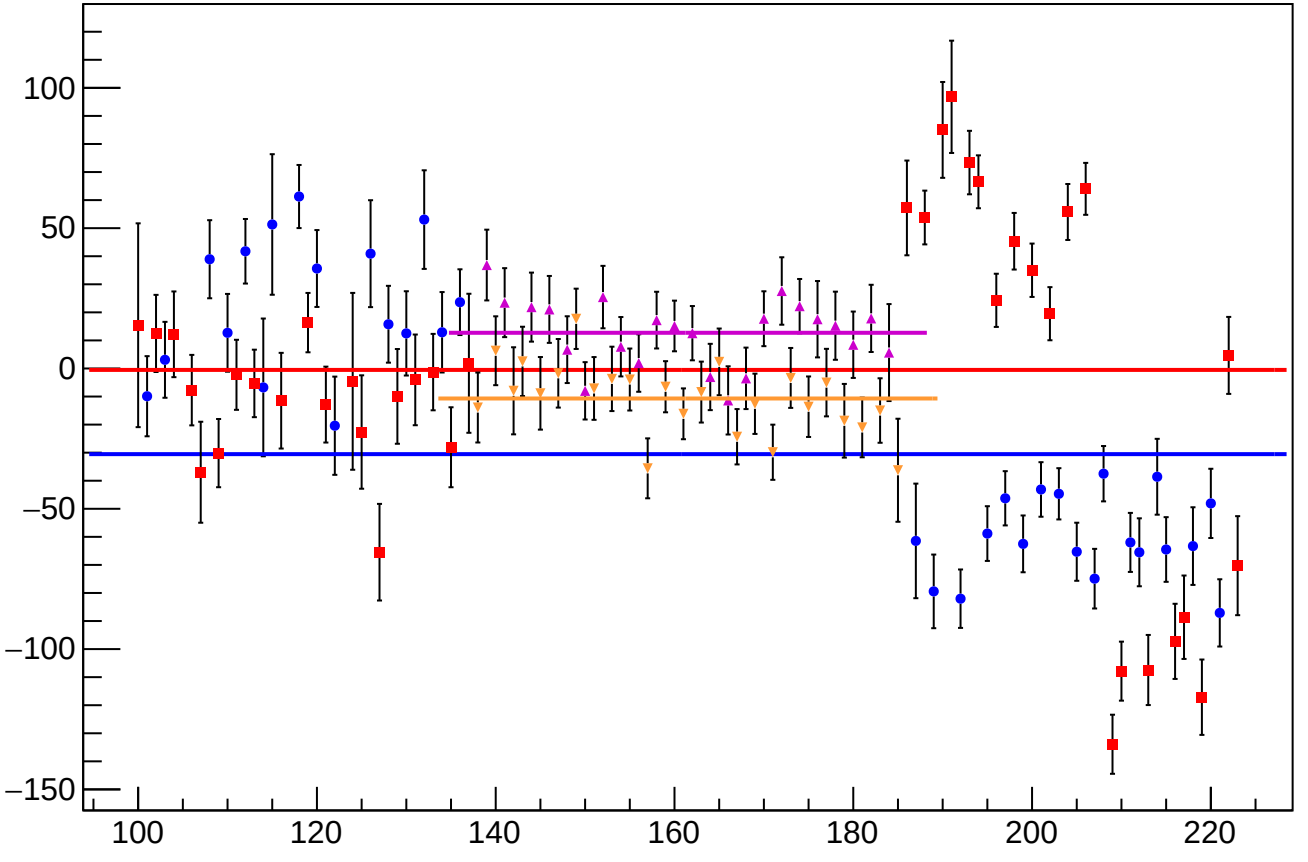
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1126.443+/-0.138 χ^2/NDF: 14741716.7/58

All: 1128.565+/-0.097 χ^2/NDF: 28292839.4/1

- sign 1130.653+/-0.137 χ^2/NDF: 13550656.6/61

diff_bpm0l07X_mean vs Slug



Right In: -30.526+/-2.117 χ^2/NDF: 422.5/33

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

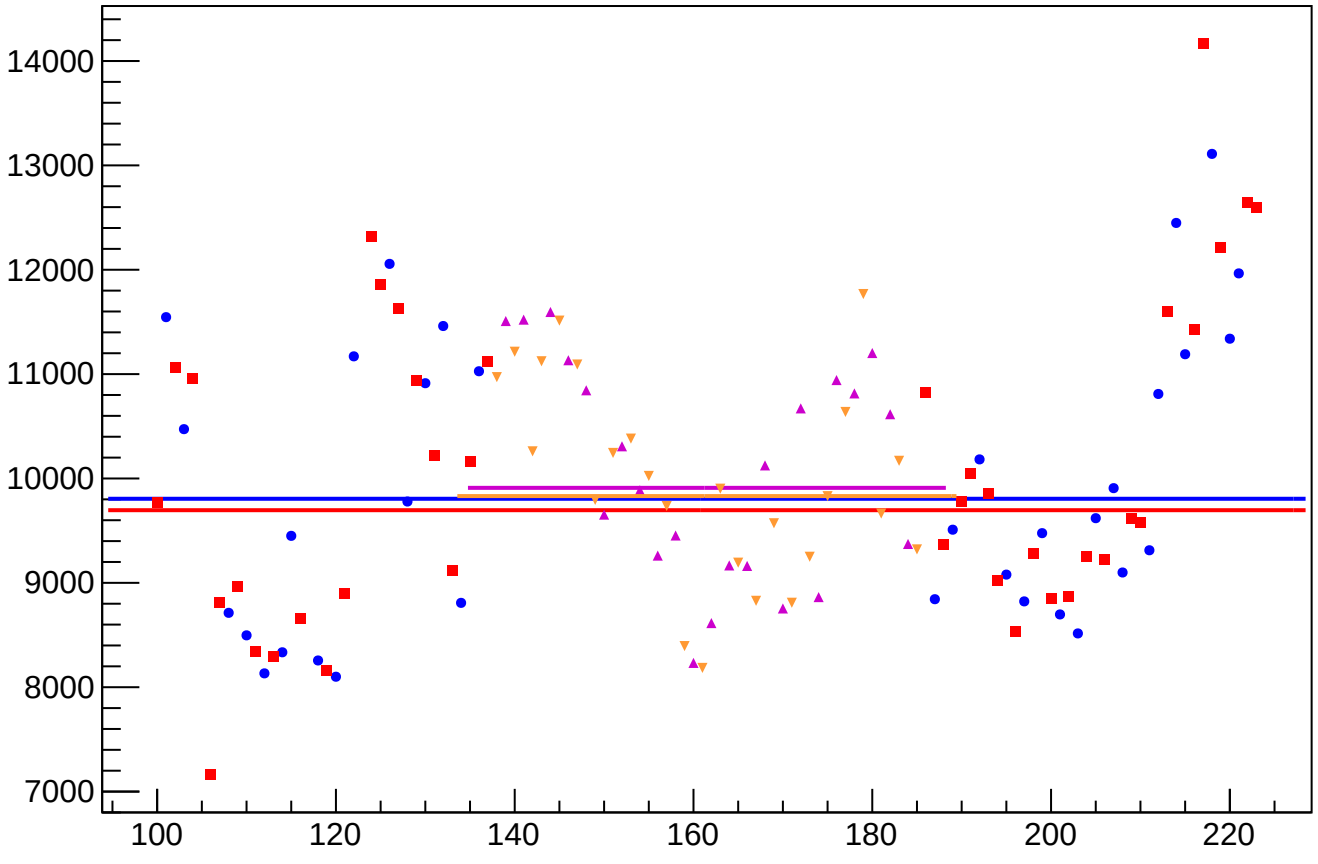
Right Out: -0.512+/-2.055 χ^2/NDF: 864.5/38

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -21.245+/-1.544 χ^2/NDF: 492.3/58

All: -8.000+/-1.092 χ^2/NDF: 1546.0/120

- sign 5.247+/-1.544 χ^2/NDF: 906.6/61



Right In: 9805.633+/-1.497 χ^2/NDF: 736232.2/33

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9696.110+/-1.453 χ^2/NDF: 896072.6/38

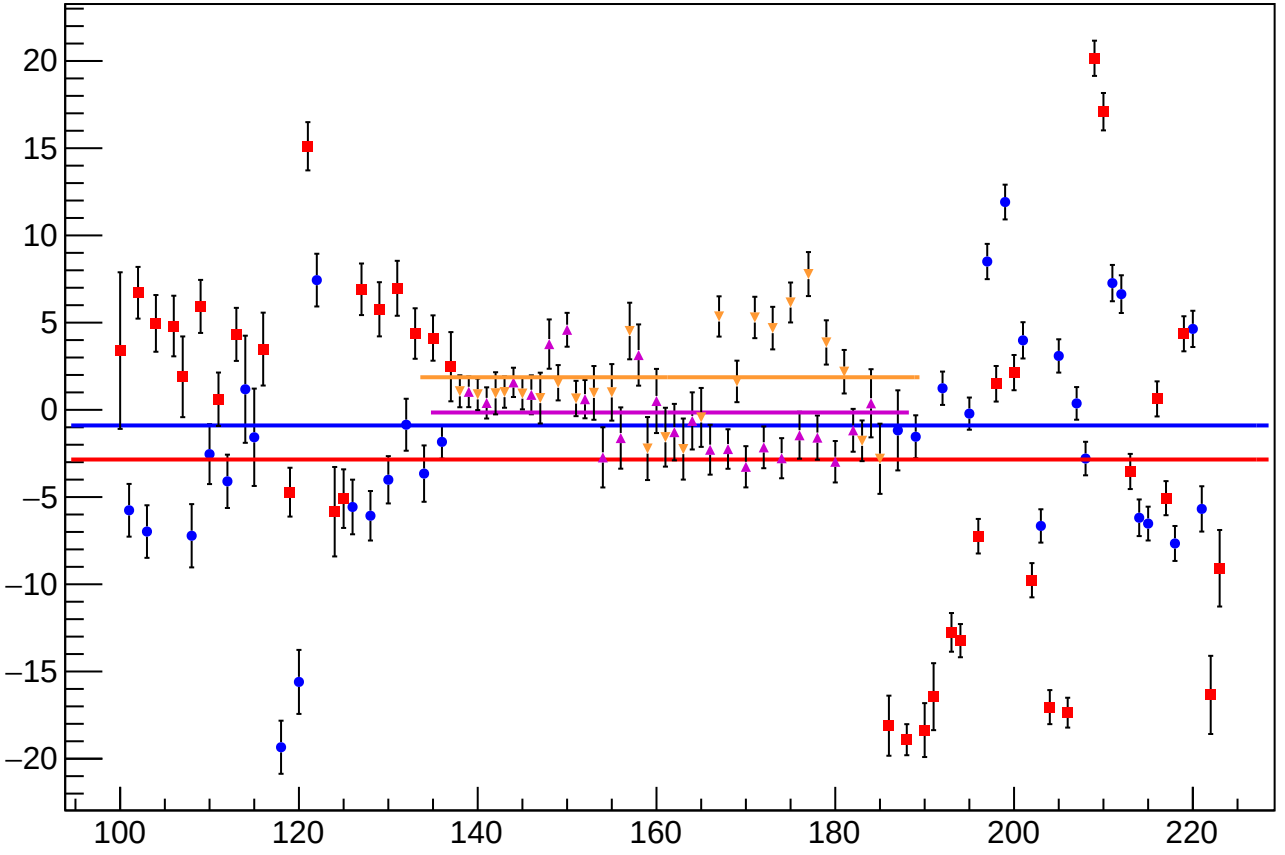
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9817.646+/-1.092 χ^2/NDF: 1092494.8/58

All: 9803.492+/-0.772 χ^2/NDF: 2387728.2/12

- sign 9789.335+/-1.092 χ^2/NDF: 1294897.2/61

diff_bpm0l07Y_mean vs Slug



Right In: -0.895+/-0.207 χ^2/NDF: 912.9/33

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -2.847+/-0.204 χ^2/NDF: 2850.2/38

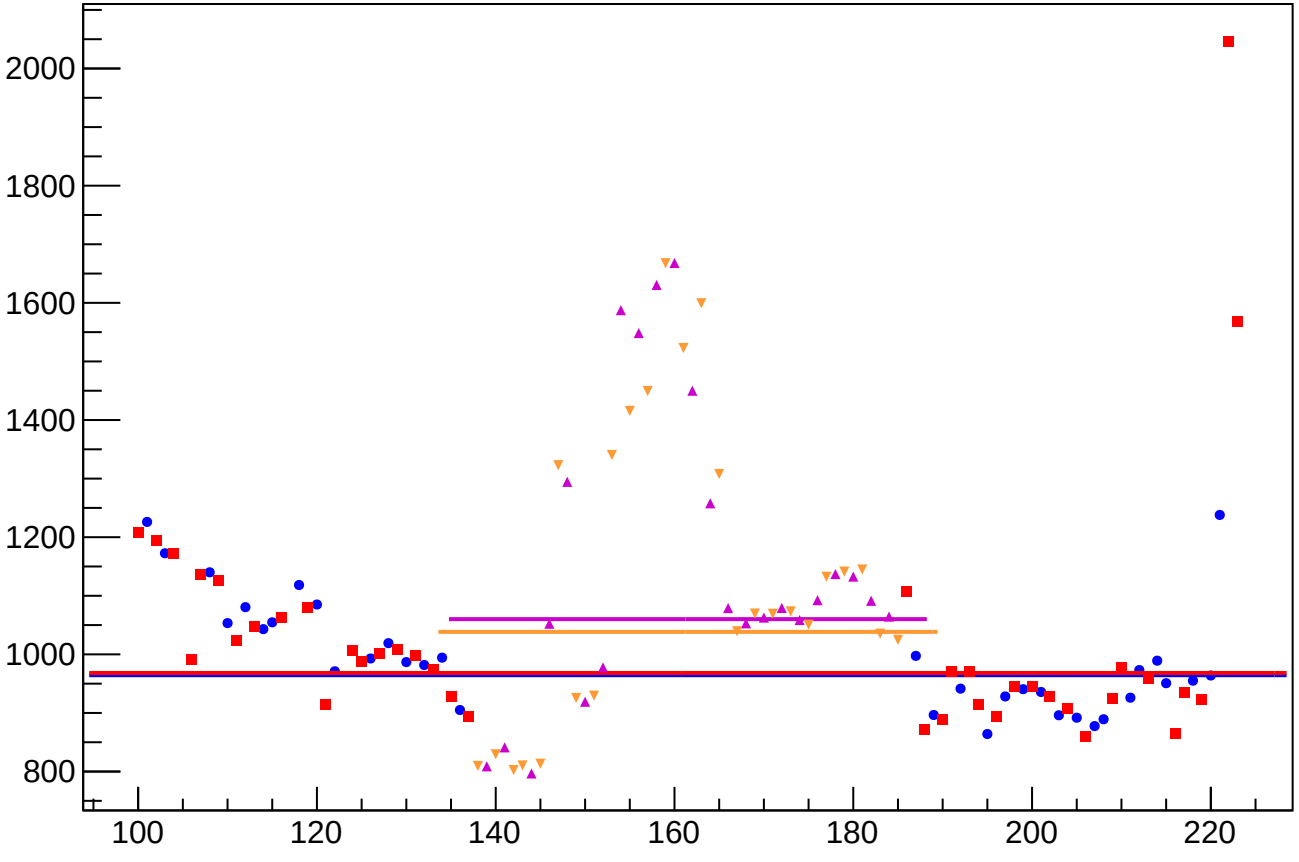
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.267+/-0.157 χ^2/NDF: 1091.3/58

All: -0.749+/-0.112 χ^2/NDF: 4169.7/120

- sign -1.790+/-0.159 χ^2/NDF: 2994.0/61

diff_bpm0l07Y_rms vs Slug



Right In: 964.432+/-0.146 χ^2/NDF: 360061.9/33

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 968.252+/-0.145 χ^2/NDF: 901150.3/38

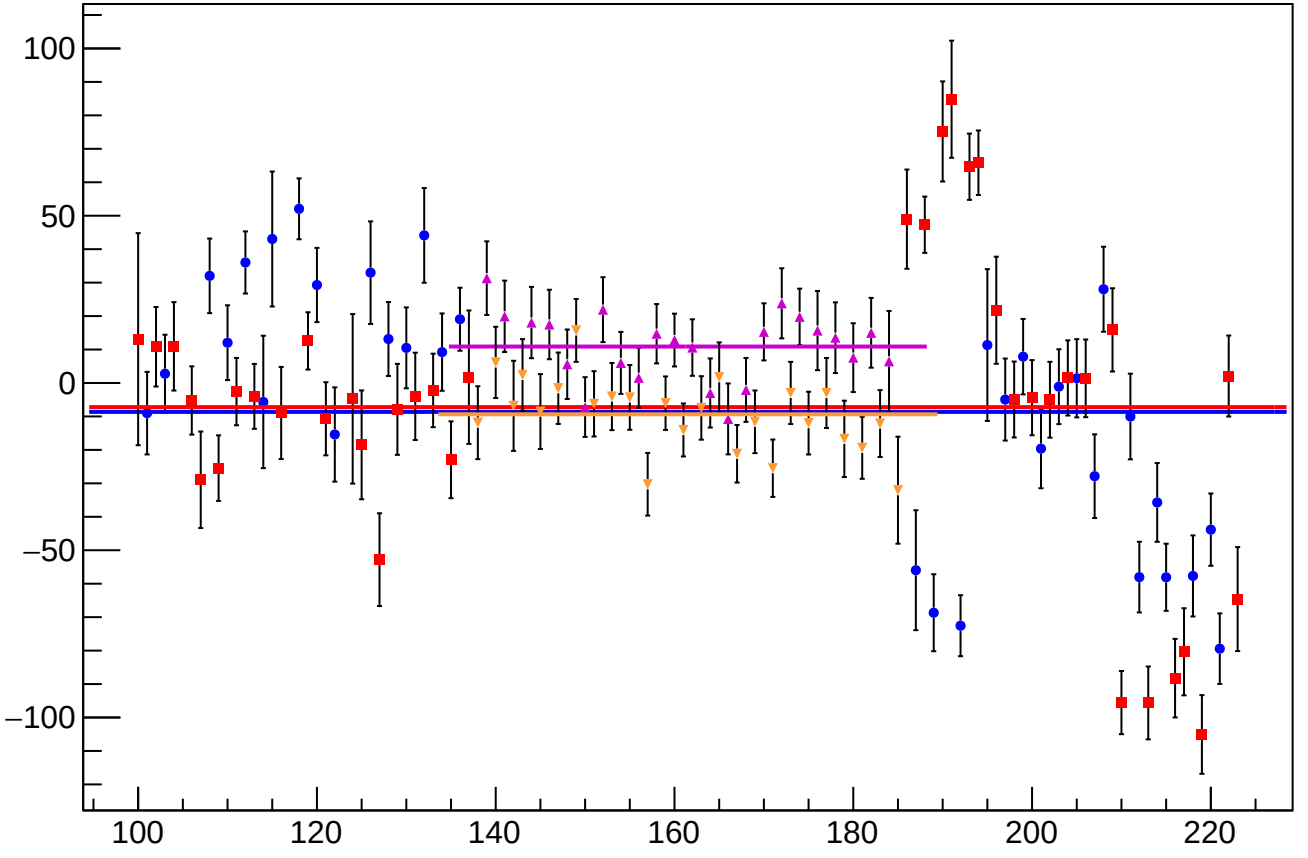
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 995.522+/-0.111 χ^2/NDF: 2174502.5/58

All: 999.847+/-0.079 χ^2/NDF: 4760538.6/120

- sign 1004.285+/-0.113 χ^2/NDF: 2582973.0/61

diff_bpm0l08X_mean vs Slug



Right In: -8.639+/-2.018 χ^2/NDF: 365.0/33

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -7.213+/-1.910 χ^2/NDF: 578.0/38

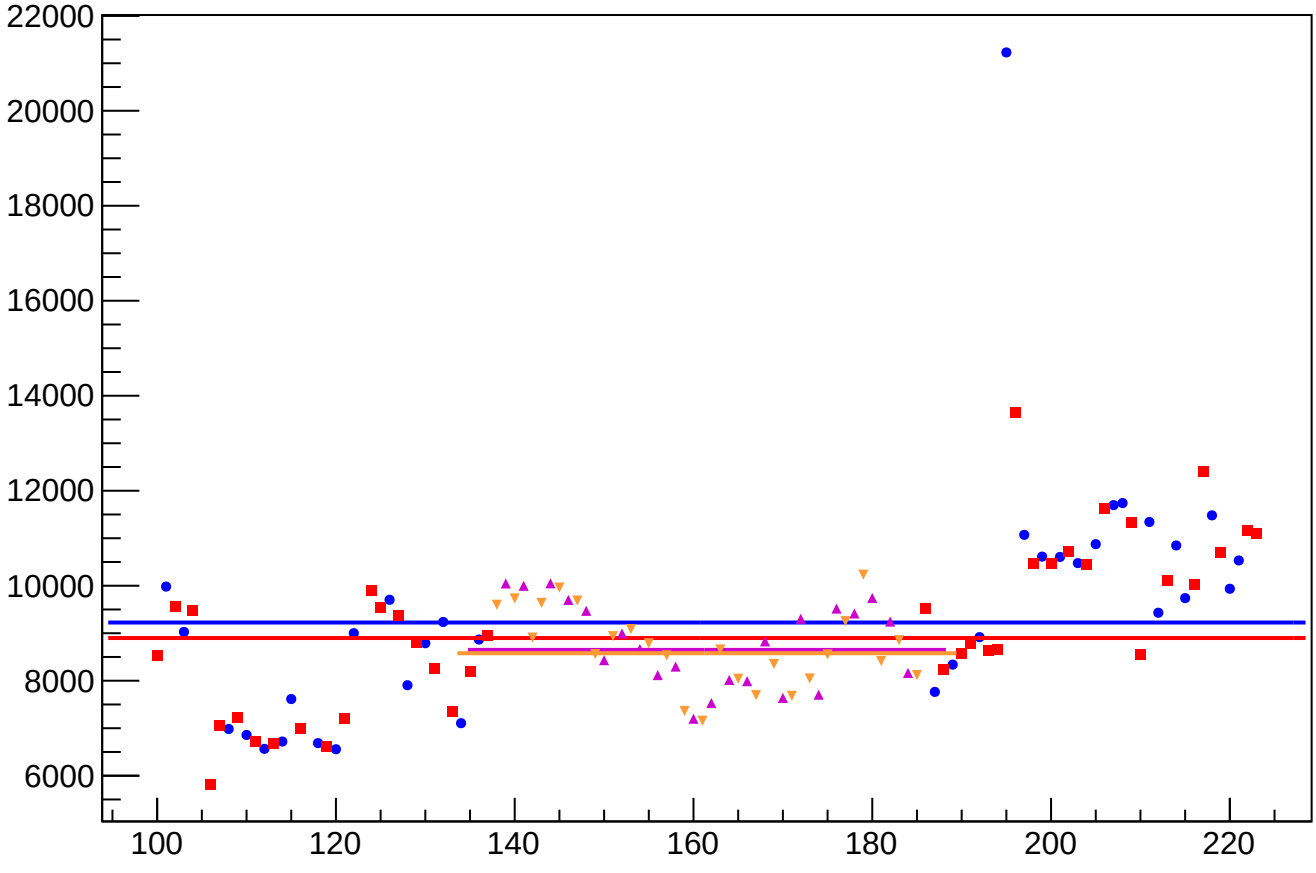
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -9.006+/-1.409 χ^2/NDF: 393.6/58

All: -3.834+/-0.991 χ^2/NDF: 1063.7/120

- sign 1.233+/-1.395 χ^2/NDF: 643.5/61

diff_bpm0l08X_rms vs Slug



Right In: 9225.434+/-1.427 χ^2/NDF: 1880821.7/33

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8898.984+/-1.351 χ^2/NDF: 1668342.9/38

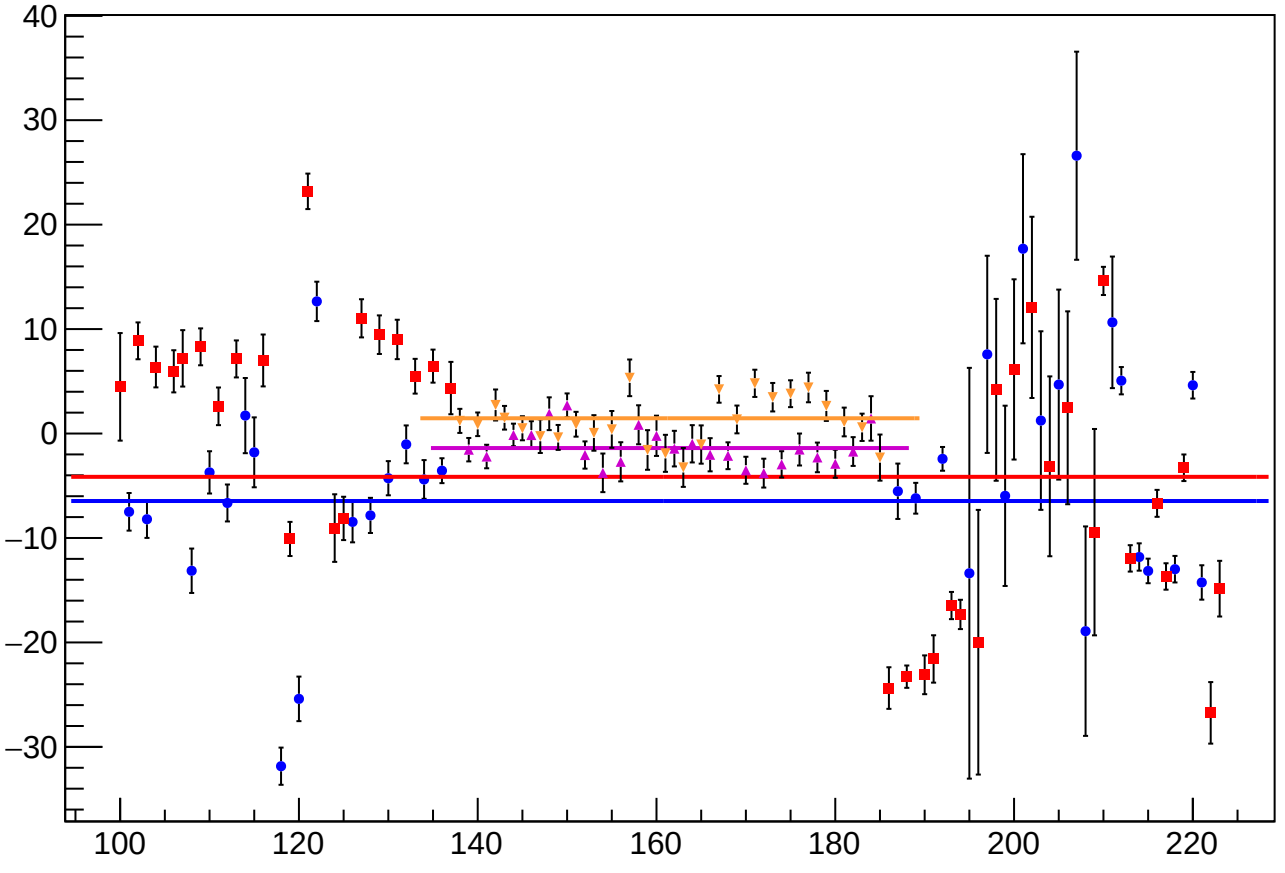
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8893.986+/-0.997 χ^2/NDF: 2329862.1/58

All: 8837.658+/-0.701 χ^2/NDF: 4398414.2/12

- sign 8782.468+/-0.986 χ^2/NDF: 2062227.6/61

diff_bpm0l08Y_mean vs Slug



Right In: -6.460+/-0.322 χ^2/NDF: 720.5/33

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -4.146+/-0.301 χ^2/NDF: 1933.8/38

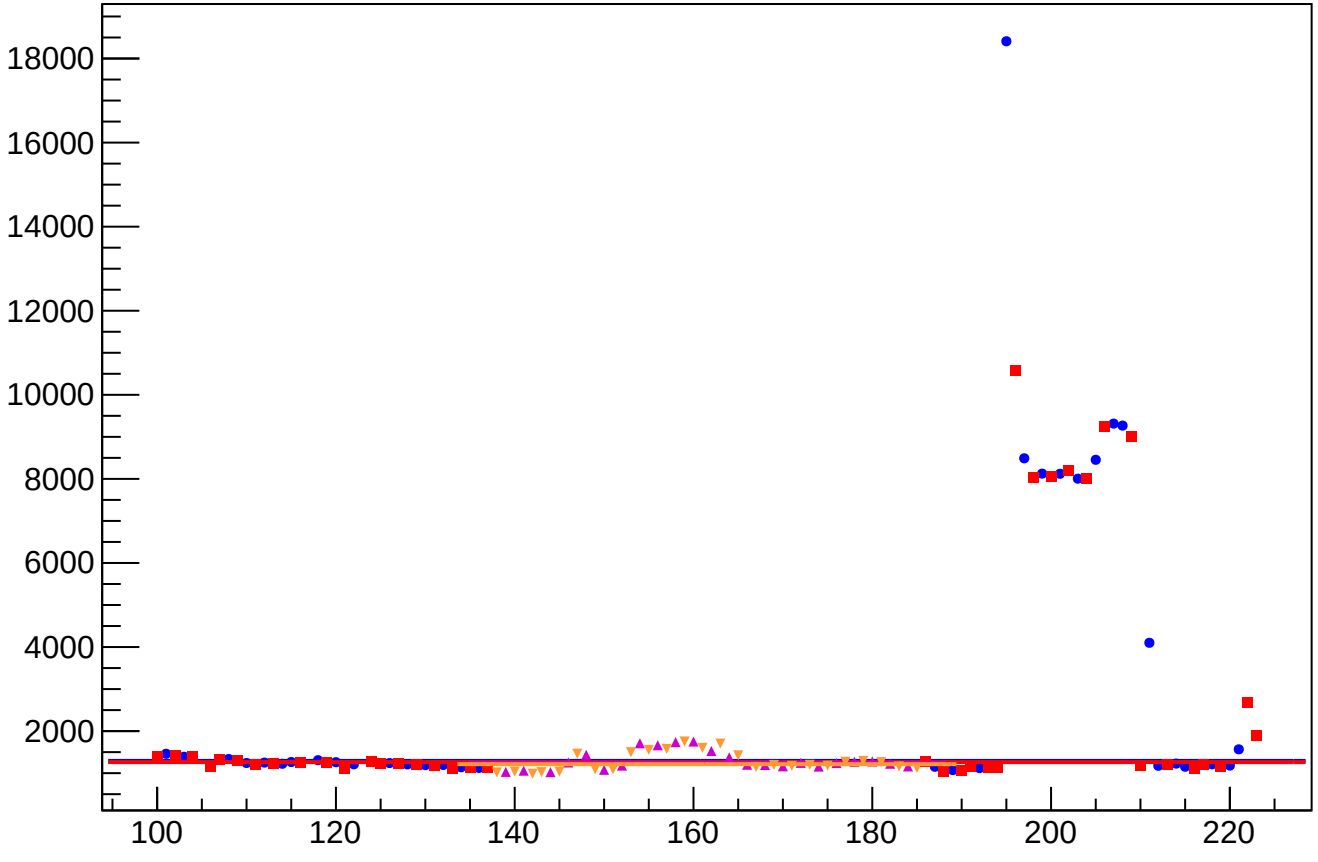
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.960+/-0.211 χ^2/NDF: 1115.9/58

All: -2.350+/-0.149 χ^2/NDF: 3134.7/120

- sign -2.736+/-0.210 χ^2/NDF: 2012.1/61

diff_bpm0l08Y_rms vs Slug



Right In: 1291.335+/-0.227 χ^2/NDF: 10833158.2/33

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1263.313+/-0.213 χ^2/NDF: 9633609.2/38

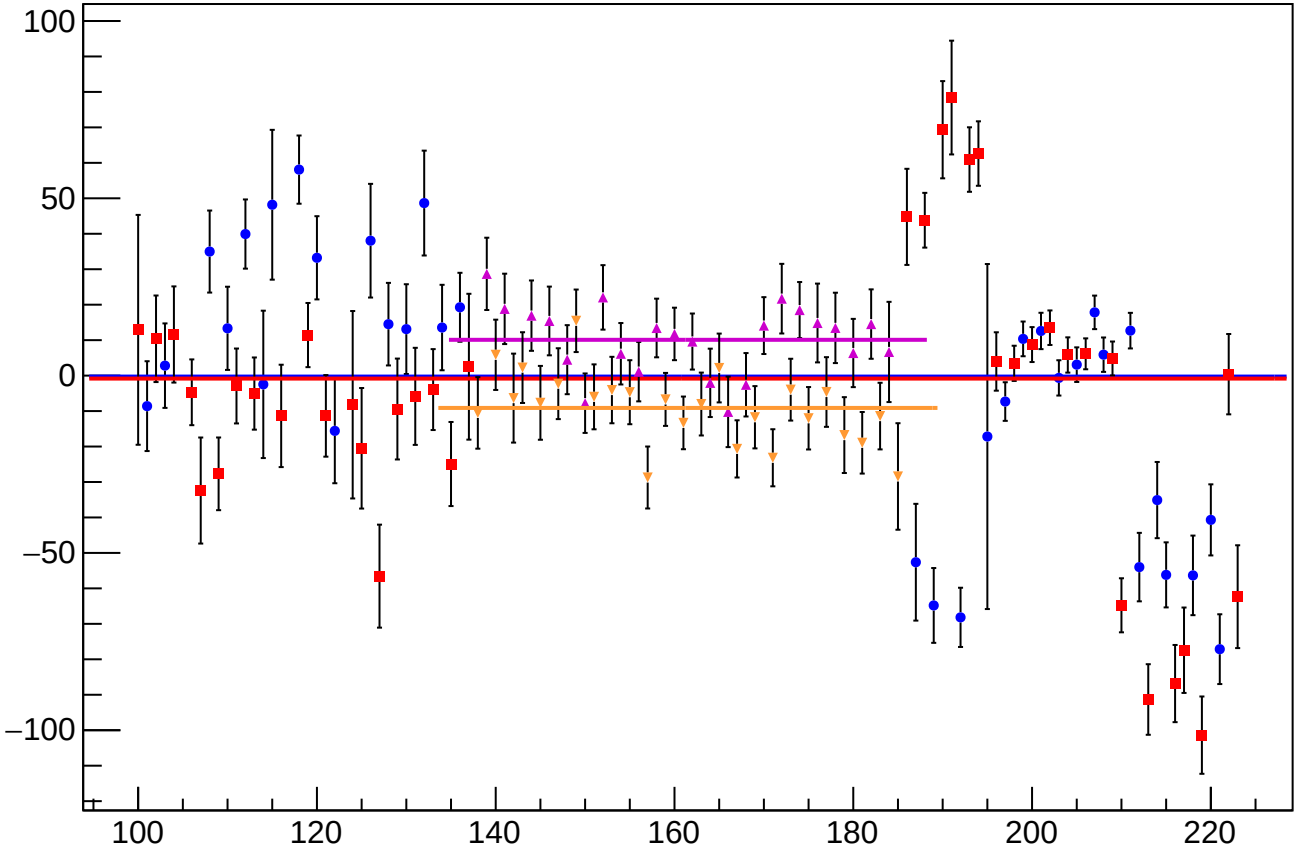
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1246.982+/-0.150 χ^2/NDF: 11912826.4/58

All: 1248.981+/-0.105 χ^2/NDF: 22438960.2/1

- sign 1250.963+/-0.149 χ^2/NDF: 10525777.8/61

diff_bpm0l09X_mean vs Slug



Right In: -0.271+/-1.393 χ^2/NDF: 435.0/33

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

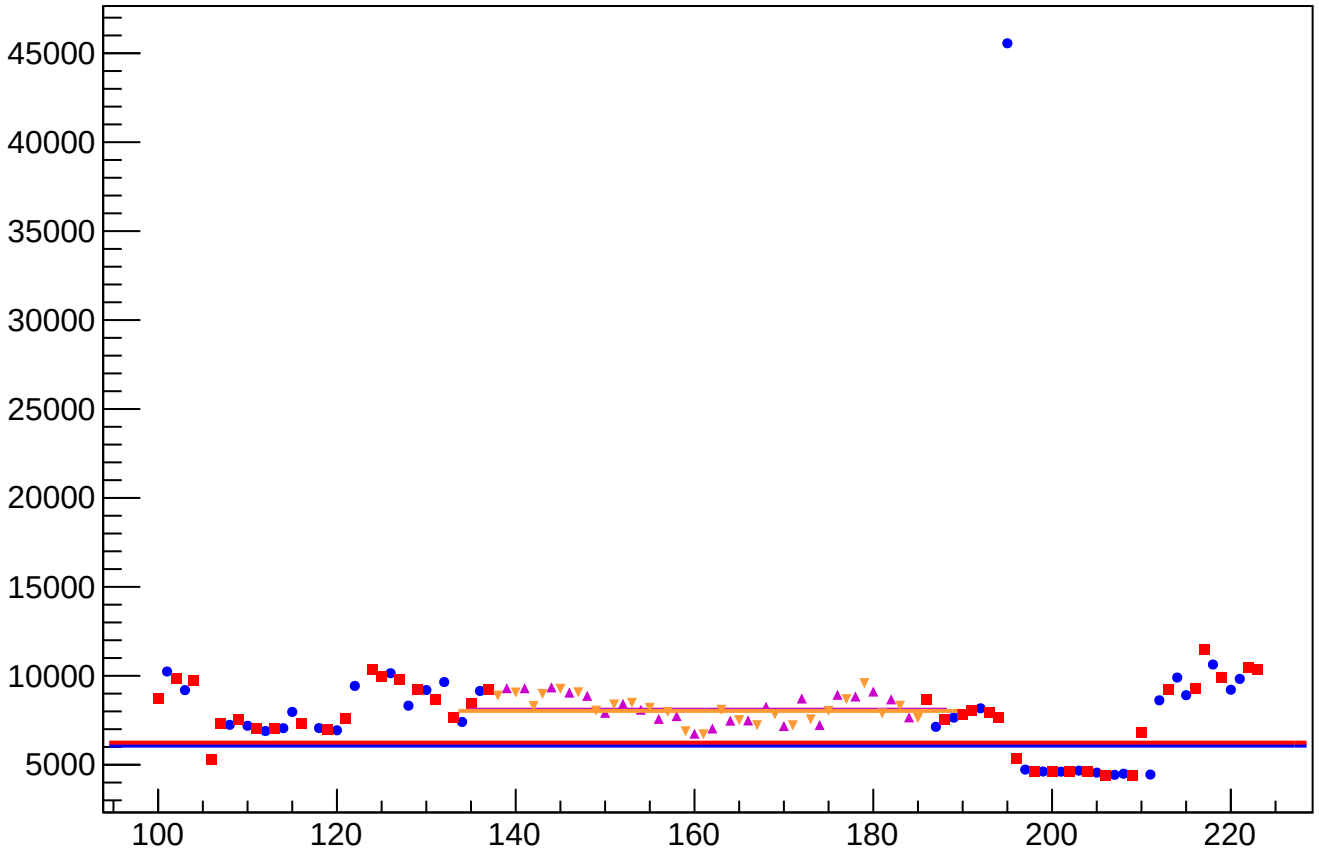
Right Out: -0.837+/-1.395 χ^2/NDF: 606.3/38

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -3.488+/-1.111 χ^2/NDF: 478.4/58

All: -0.307+/-0.791 χ^2/NDF: 1146.9/120

- sign 2.964+/-1.127 χ^2/NDF: 651.9/61



Right In: 6075.123+/-0.985 χ^2/NDF: 5606152.6/33

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6243.119+/-0.987 χ^2/NDF: 4262811.8/38

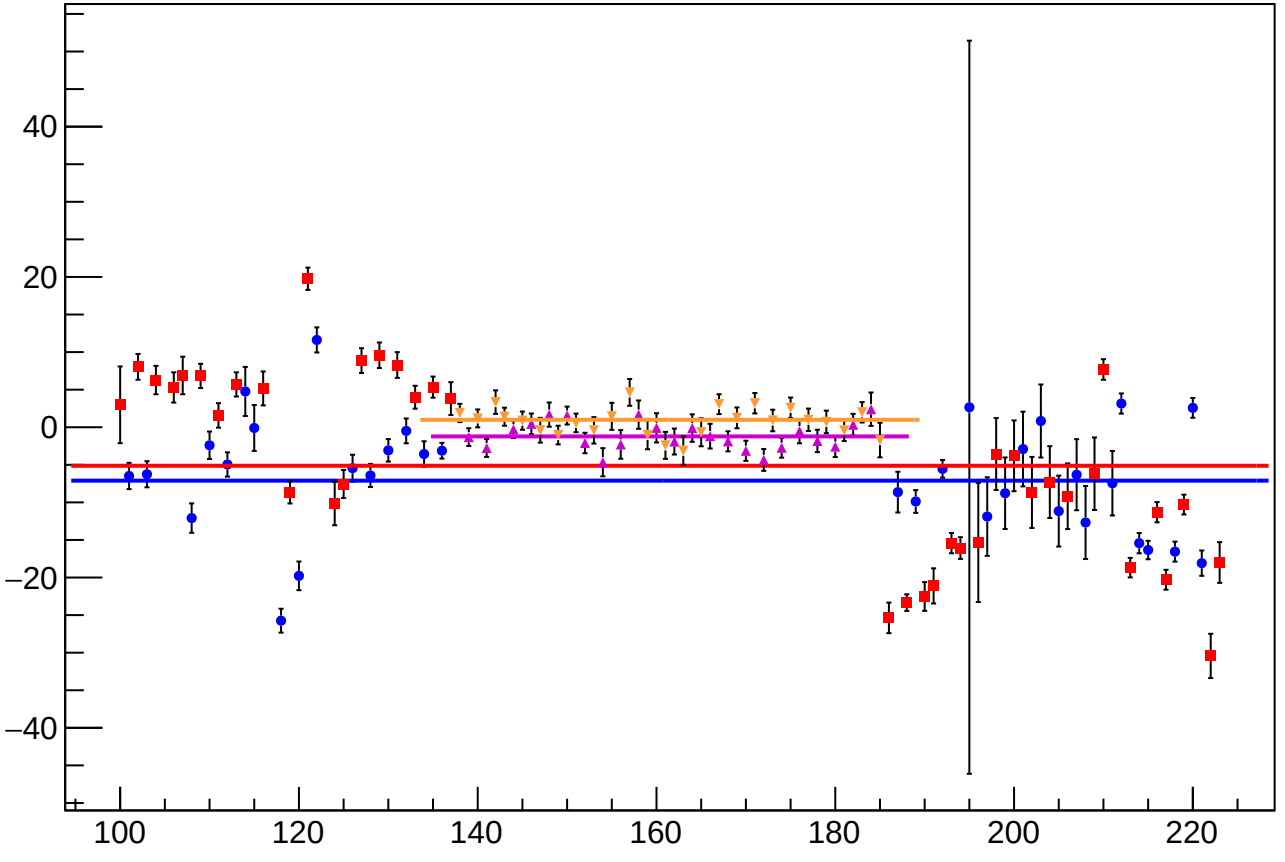
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6785.624+/-0.786 χ^2/NDF: 7368145.3/58

All: 6835.661+/-0.560 χ^2/NDF: 13231930.7/1

- sign 6887.118+/-0.797 χ^2/NDF: 5855561.4/61

diff_bpm0l09Y_mean vs Slug



Right In: -7.108+/-0.308 χ^2/NDF: 696.7/33

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -5.126+/-0.290 χ^2/NDF: 1974.3/38

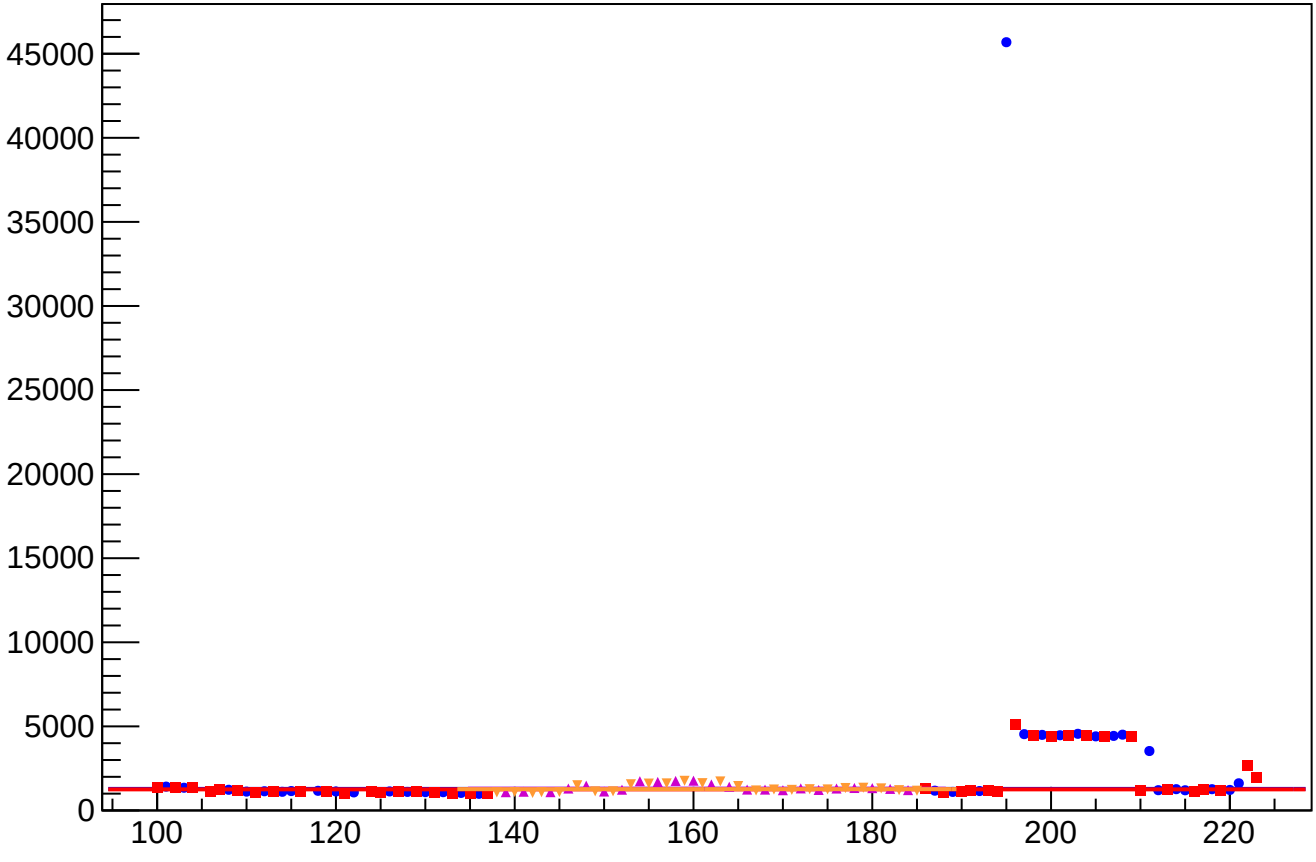
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -2.853+/-0.212 χ^2/NDF: 1091.5/58

All: -3.067+/-0.149 χ^2/NDF: 3186.5/120

- sign -3.278+/-0.211 χ^2/NDF: 2093.0/61

diff_bpm0l09Y_rms vs Slug



Right In: 1281.547+/-0.218 χ^2/NDF: 8838464.8/33

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1254.126+/-0.205 χ^2/NDF: 7023202.0/38

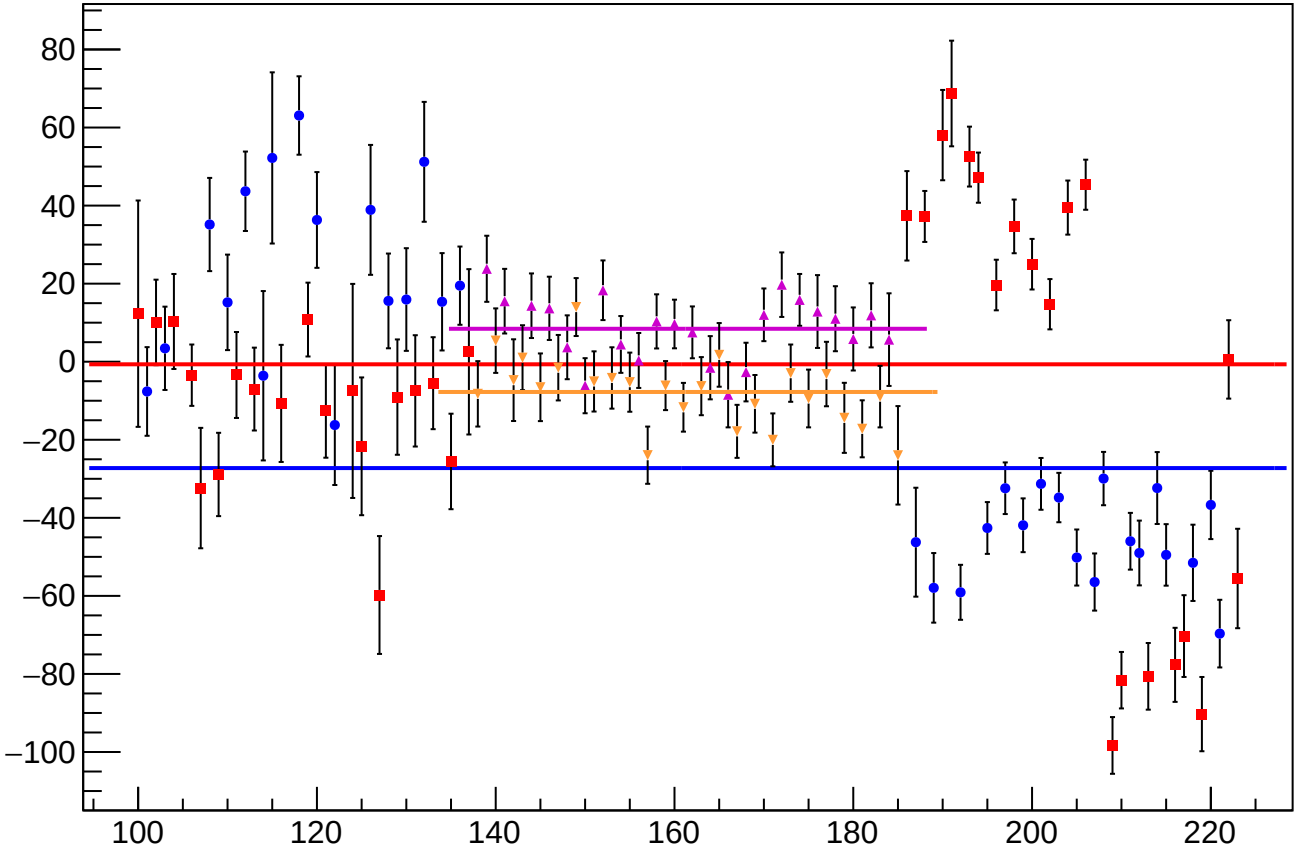
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1274.115+/-0.150 χ^2/NDF: 9719116.9/58

All: 1273.566+/-0.106 χ^2/NDF: 17518437.8/1

- sign 1273.022+/-0.149 χ^2/NDF: 7799294.2/61

diff_bpm0l10X_mean vs Slug



Right In: -27.254+/-1.559 χ^2/NDF: 446.0/33

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -0.665+/-1.504 χ^2/NDF: 991.9/38

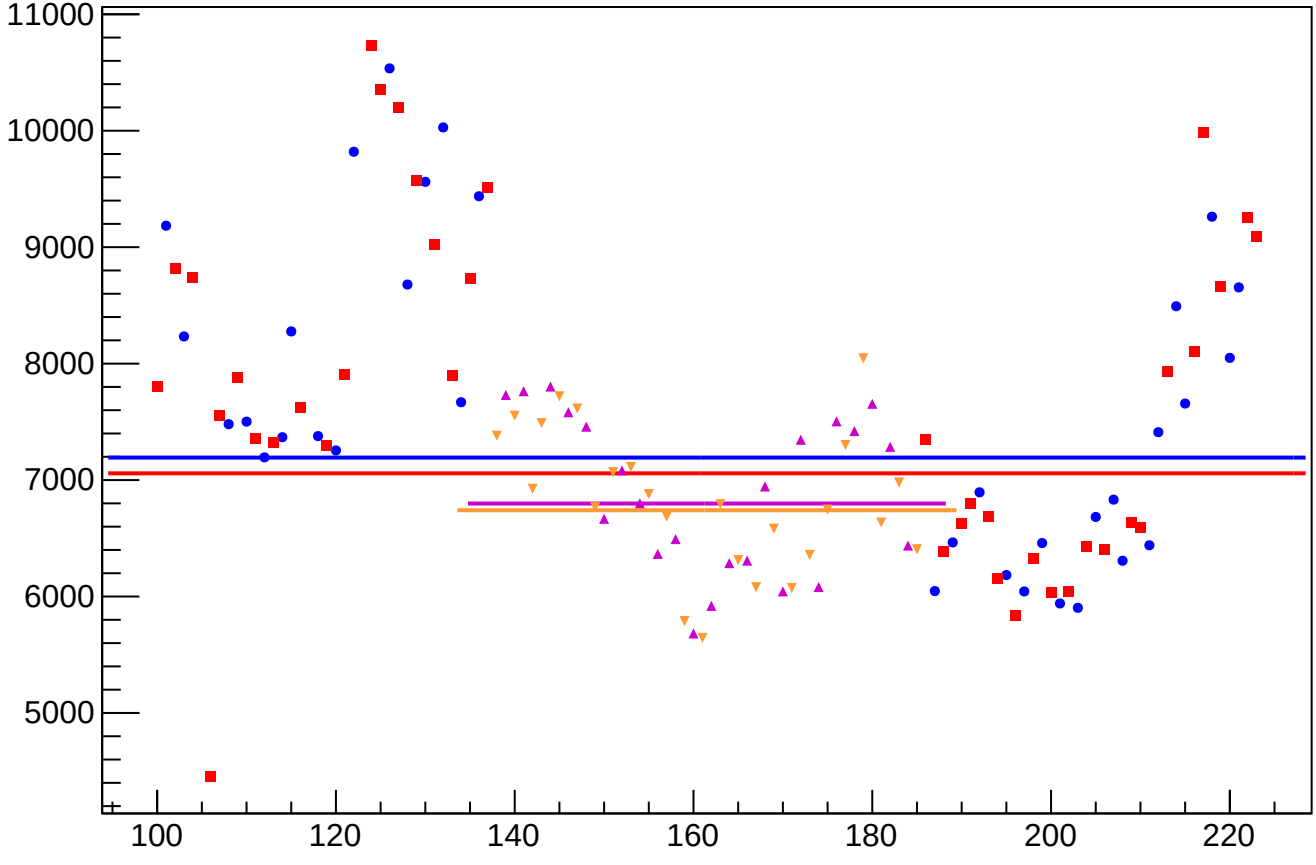
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

\+ sign -17.425+/-1.098 χ^2/NDF: 555.3/58

All: -6.911+/-0.776 χ^2/NDF: 1772.5/120

\- sign 3.593+/-1.097 χ^2/NDF: 1033.9/61

diff_bpm0l10X_rms vs Slug



Right In: 7193.017+/-1.102 χ^2/NDF: 1091825.7/33

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7057.844+/-1.064 χ^2/NDF: 1424447.3/38

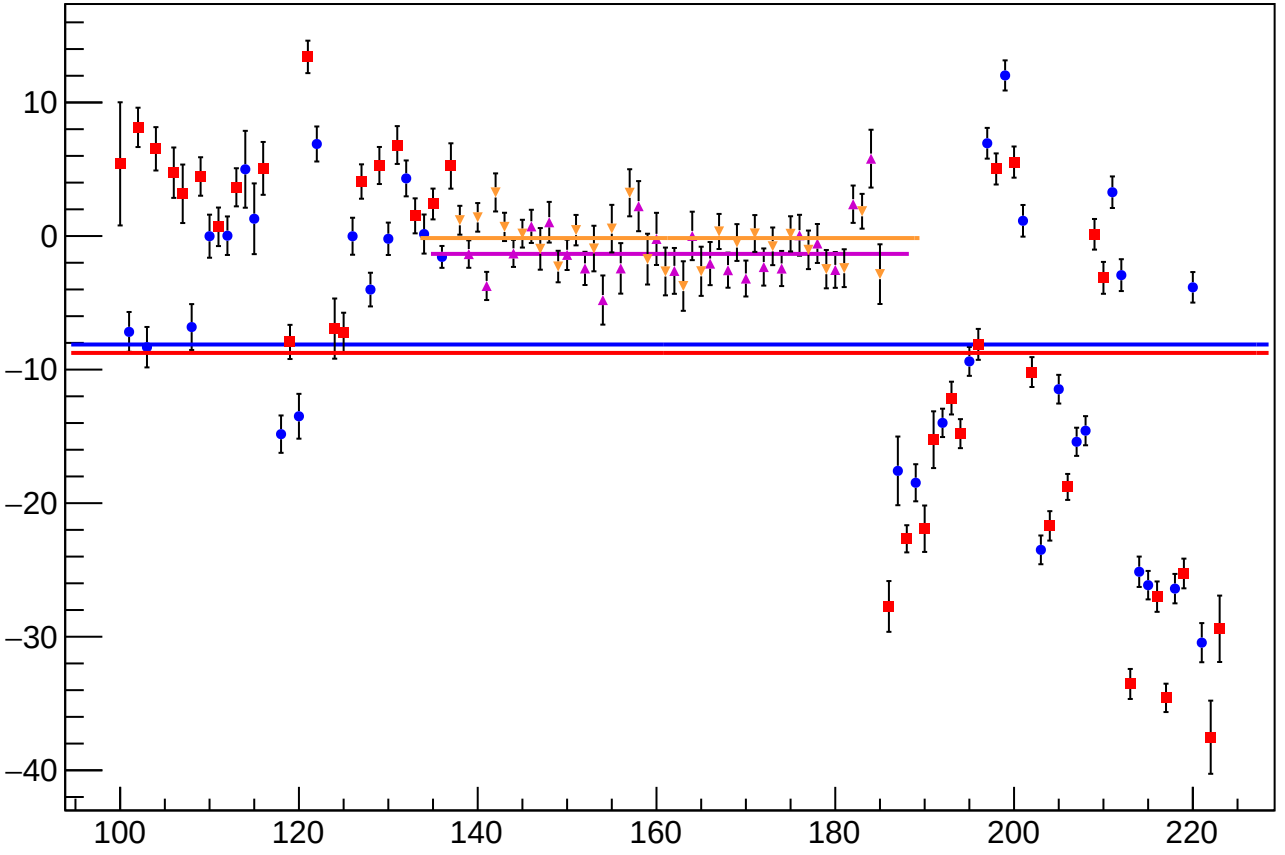
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6965.127+/-0.776 χ^2/NDF: 1493333.5/58

All: 6950.830+/-0.549 χ^2/NDF: 3299537.6/12

- sign 6936.547+/-0.776 χ^2/NDF: 1805526.3/61

diff_bpm0l10Y_mean vs Slug



Right In: -8.121+/-0.216 χ^2/NDF: 2617.1/33

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -8.752+/-0.215 χ^2/NDF: 4187.8/38

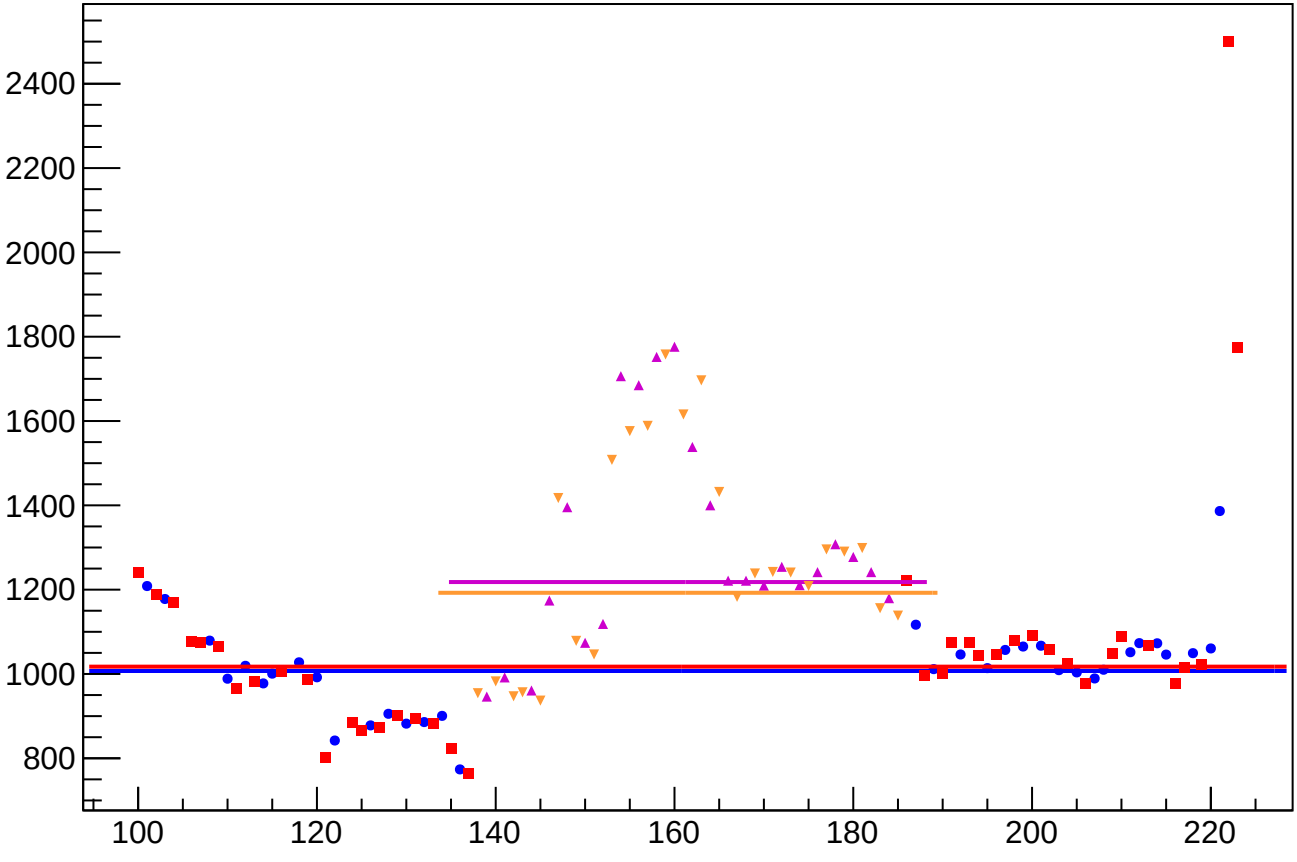
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -5.101+/-0.170 χ^2/NDF: 3168.2/58

All: -5.601+/-0.121 χ^2/NDF: 7838.6/120

- sign -6.118+/-0.173 χ^2/NDF: 4652.9/61

diff_bpm0l10Y_rms vs Slug



Right In: 1007.052+/-0.153 χ^2/NDF: 520018.5/33

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1017.364+/-0.152 χ^2/NDF: 1166144.2/38

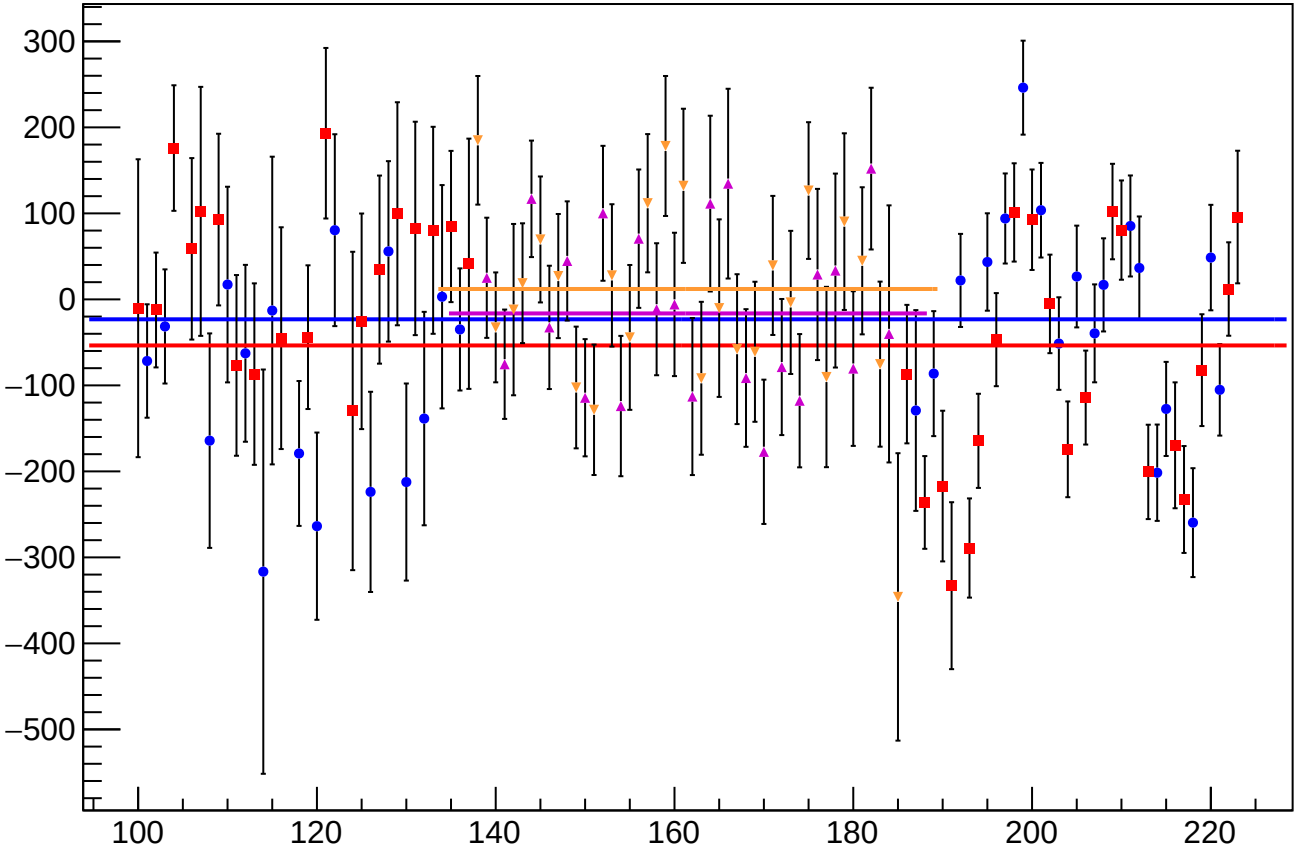
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1077.369+/-0.120 χ^2/NDF: 2398532.4/58

All: 1082.928+/-0.086 χ^2/NDF: 5313829.9/12

- sign 1088.658+/-0.122 χ^2/NDF: 2910972.4/61

diff_bpm0r03X_mean vs Slug



Right In: -23.174+/-12.014 χ^2/NDF: 95.8/33

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

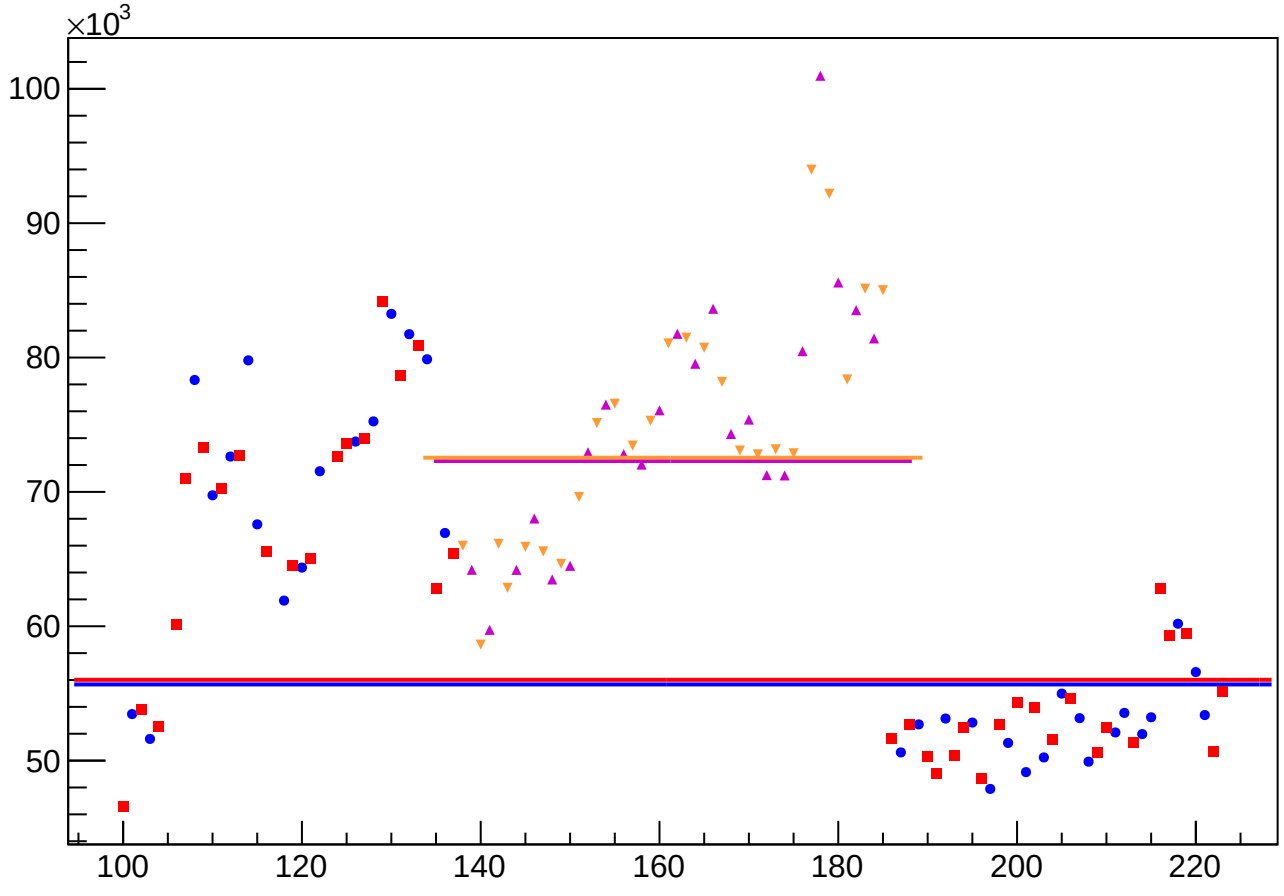
Right Out: -53.567+/-11.840 χ^2/NDF: 129.9/38

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign -11.064+/-9.734 χ^2/NDF: 131.6/58

All: -26.267+/-6.878 χ^2/NDF: 298.2/120

\- sign -41.425+/-9.719 χ^2/NDF: 161.8/61



Right In: 55669.640+/-8.495 χ^2/NDF: 882392.4/33

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56014.415+/-8.372 χ^2/NDF: 819031.5/38

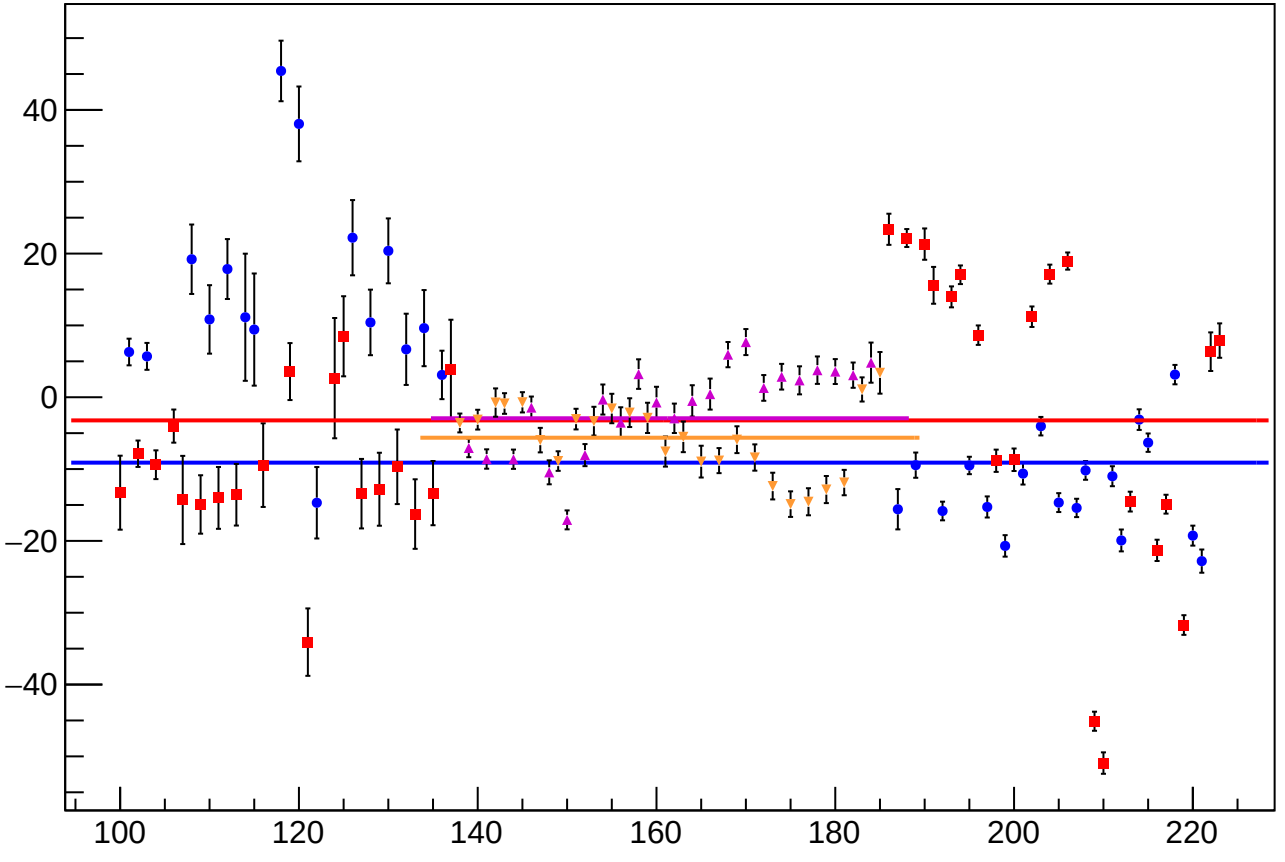
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 61466.254+/-6.883 χ^2/NDF: 2737957.8/58

All: 61396.186+/-4.863 χ^2/NDF: 5280272.6/1

- sign 61326.332+/-6.872 χ^2/NDF: 2542107.9/61

diff_bpm0r03Y_mean vs Slug



Right In: -9.106+/-0.314 χ^2/NDF: 1070.6/33

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -3.224+/-0.313 χ^2/NDF: 4811.8/38

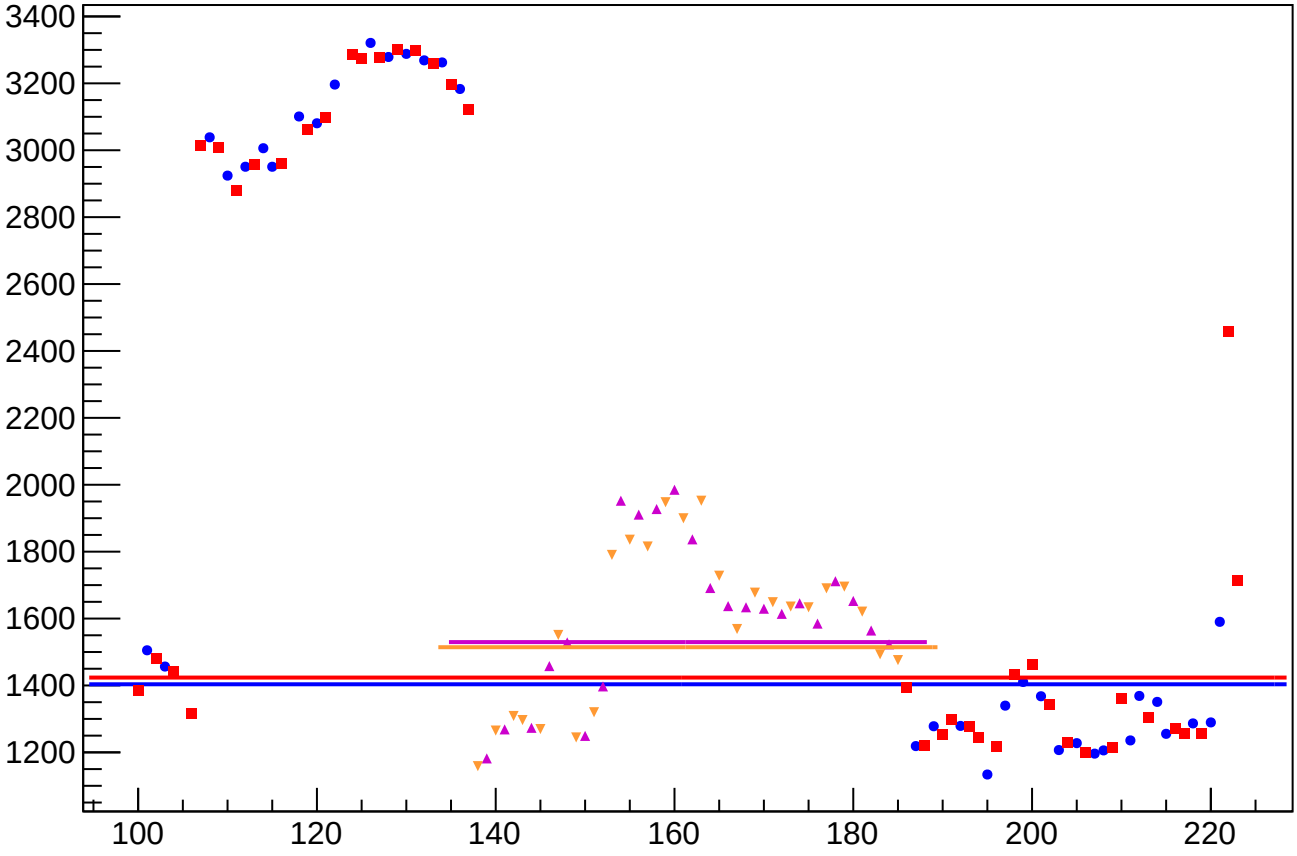
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -7.552+/-0.234 χ^2/NDF: 1303.3/58

All: -5.355+/-0.166 χ^2/NDF: 6632.3/120

- sign -3.098+/-0.237 χ^2/NDF: 5149.6/61

diff_bpm0r03Y_rms vs Slug



Right In: 1403.532+/-0.222 χ^2/NDF: 4127657.1/33

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

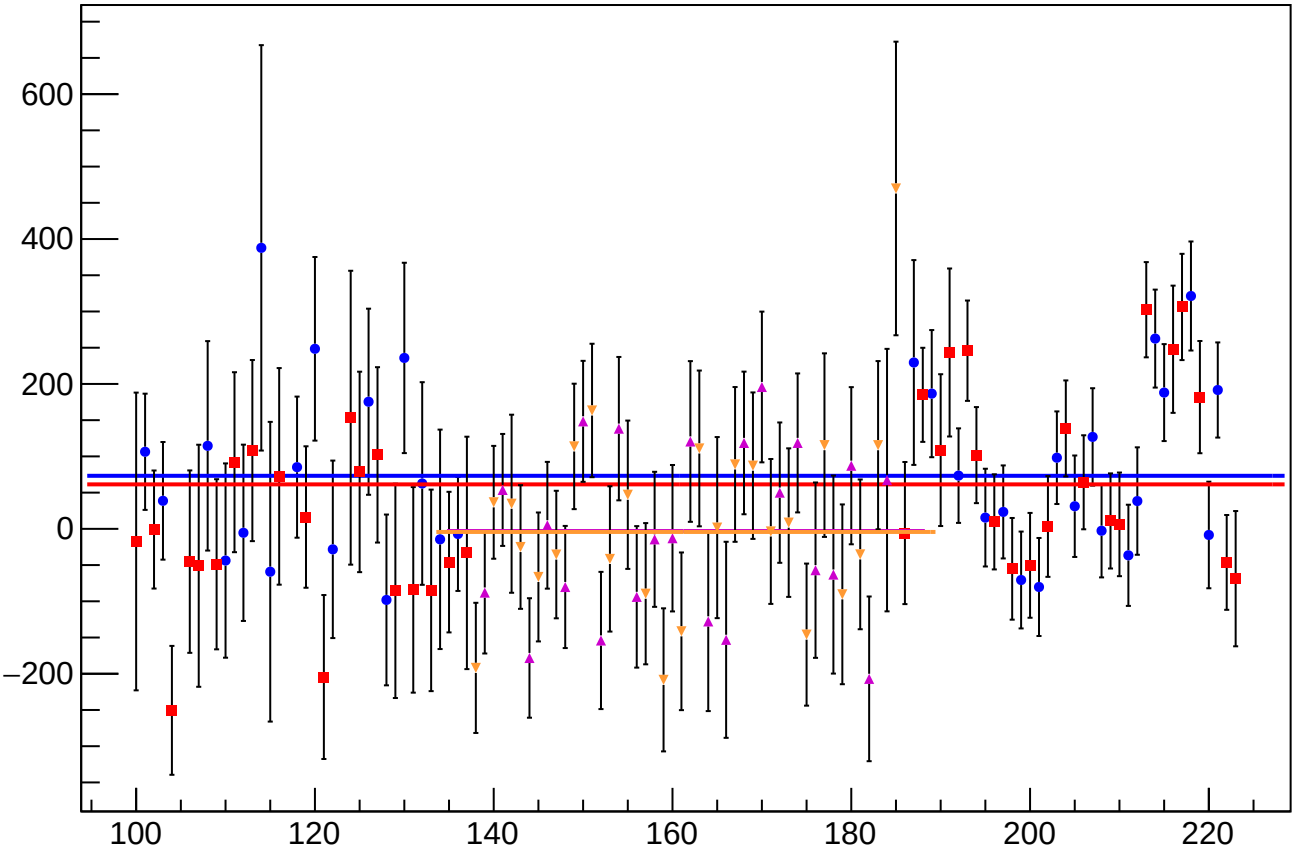
Right Out: 1423.599+/-0.221 χ^2/NDF: 4306053.4/38

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1453.147+/-0.165 χ^2/NDF: 5172291.3/58

All: 1460.909+/-0.118 χ^2/NDF: 10409470.2/1

- sign 1468.884+/-0.167 χ^2/NDF: 5232700.7/61



Right In: 73.216+/-14.360 χ^2/NDF: 57.0/33

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

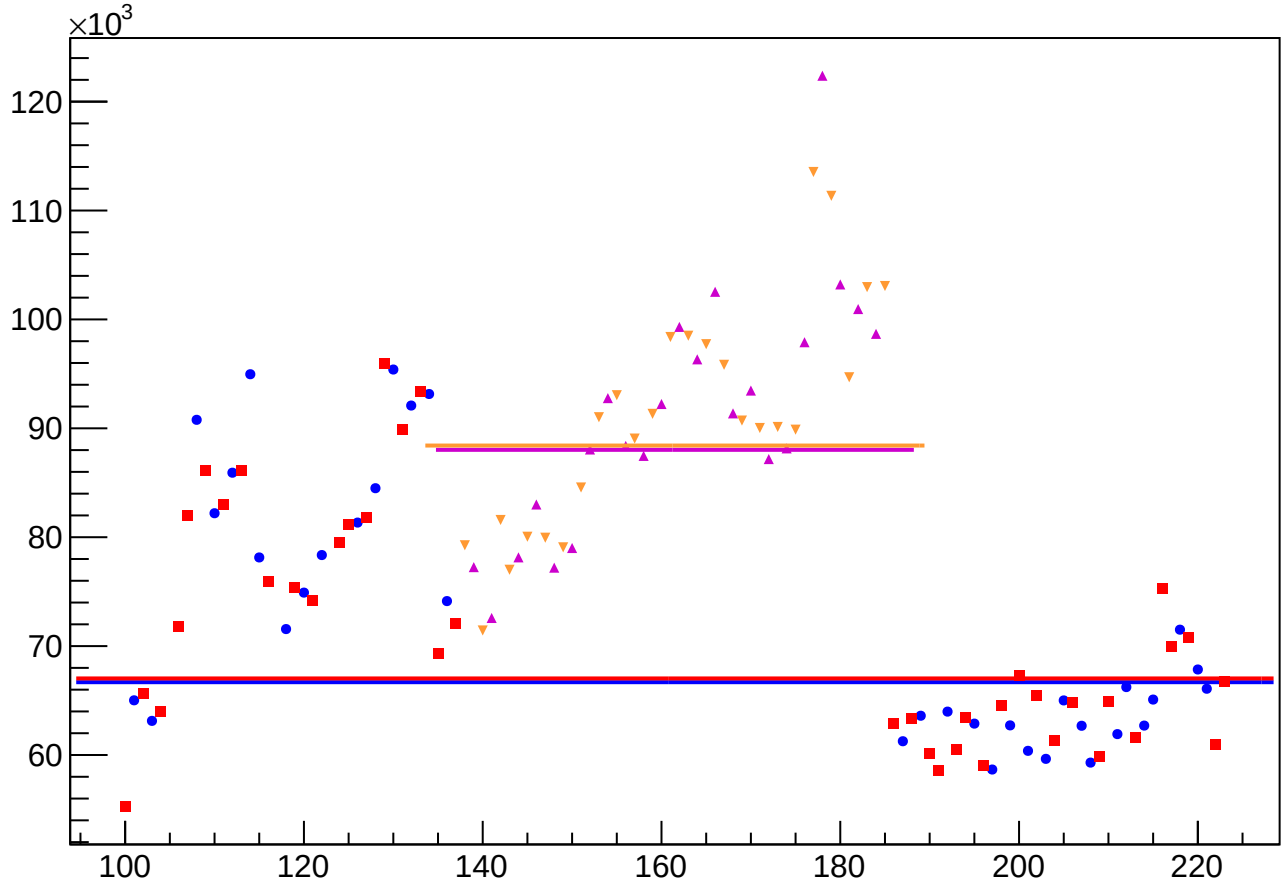
Right Out: 61.382+/-14.147 χ^2/NDF: 85.5/38

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 47.271+/-11.712 χ^2/NDF: 97.2/58

All: 44.081+/-8.271 χ^2/NDF: 220.1/120

- sign 40.907+/-11.683 χ^2/NDF: 122.8/61



Right In: 66685.818+/-10.154 χ^2/NDF: 663593.3/33

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67030.947+/-10.003 χ^2/NDF: 638147.8/38

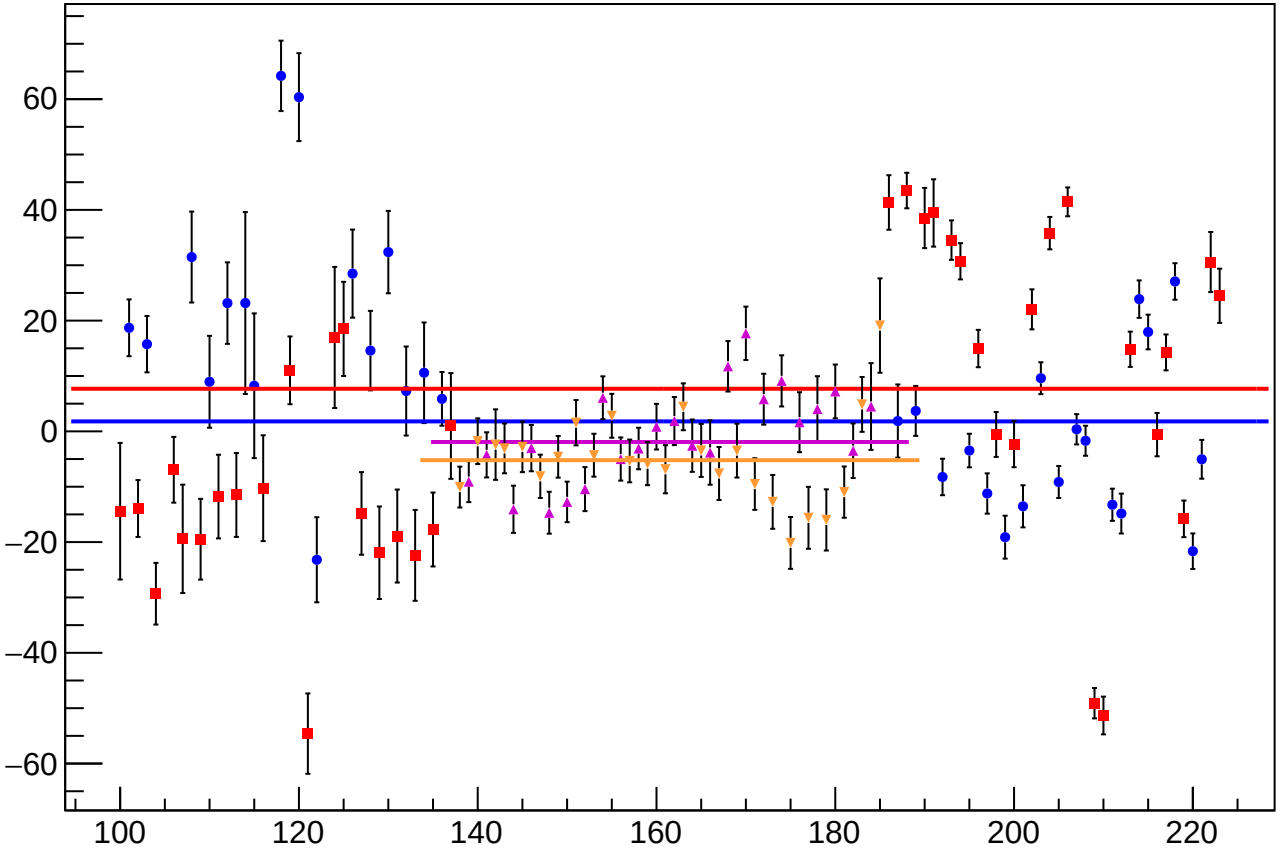
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 73962.075+/-8.281 χ^2/NDF: 2679303.1/58

All: 73833.434+/-5.849 χ^2/NDF: 5203022.8/1

- sign 73705.415+/-8.261 χ^2/NDF: 2523238.3/61

diff_bpm0r05Y_mean vs Slug



Right In: 1.796+/-0.713 χ^2/NDF: 564.9/33

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

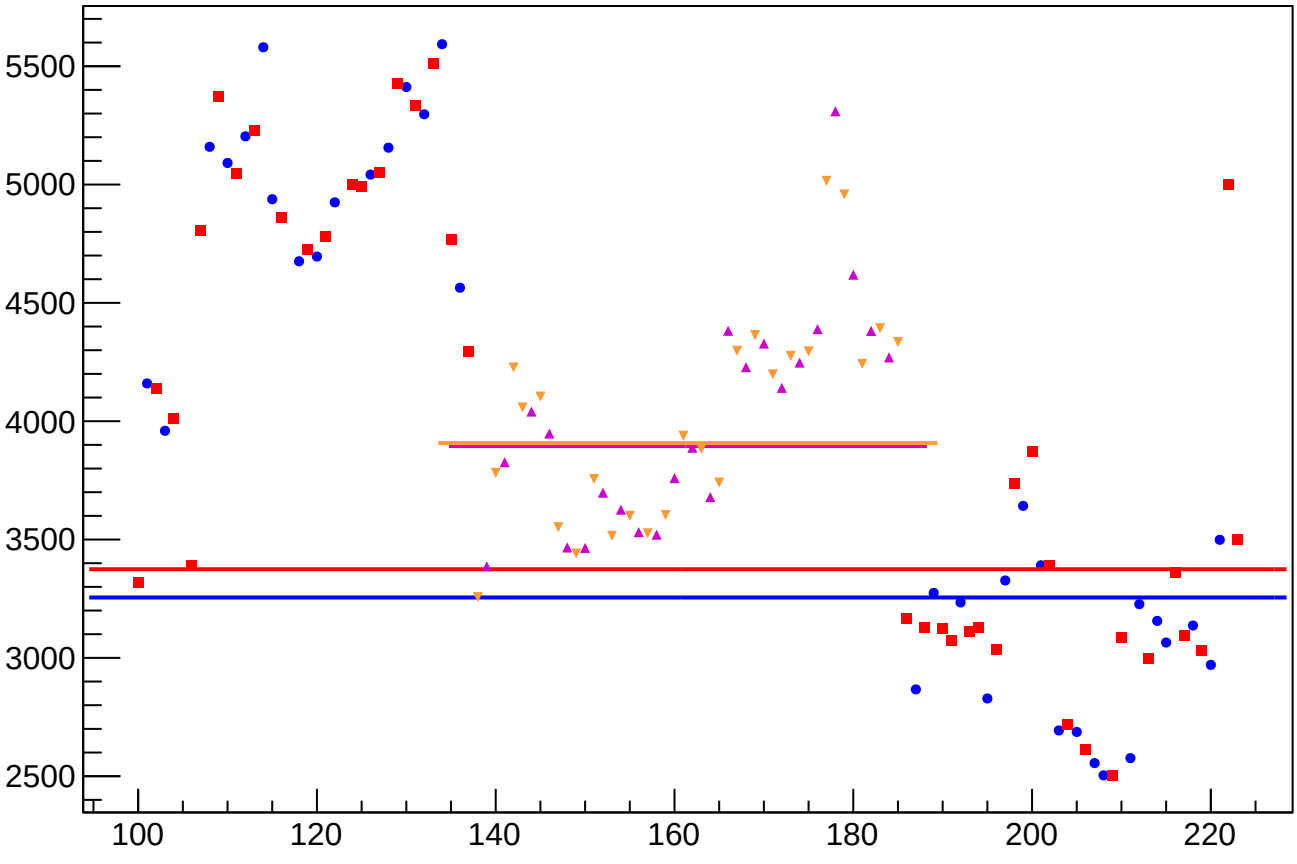
Right Out: 7.691+/-0.725 χ^2/NDF: 1694.8/38

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.929+/-0.558 χ^2/NDF: 653.3/58

All: 1.484+/-0.398 χ^2/NDF: 2537.2/120

- sign 3.991+/-0.568 χ^2/NDF: 1845.7/61



Right In: 3255.170+/-0.504 χ^2/NDF: 2250512.5/33

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3374.469+/-0.512 χ^2/NDF: 2221142.9/38

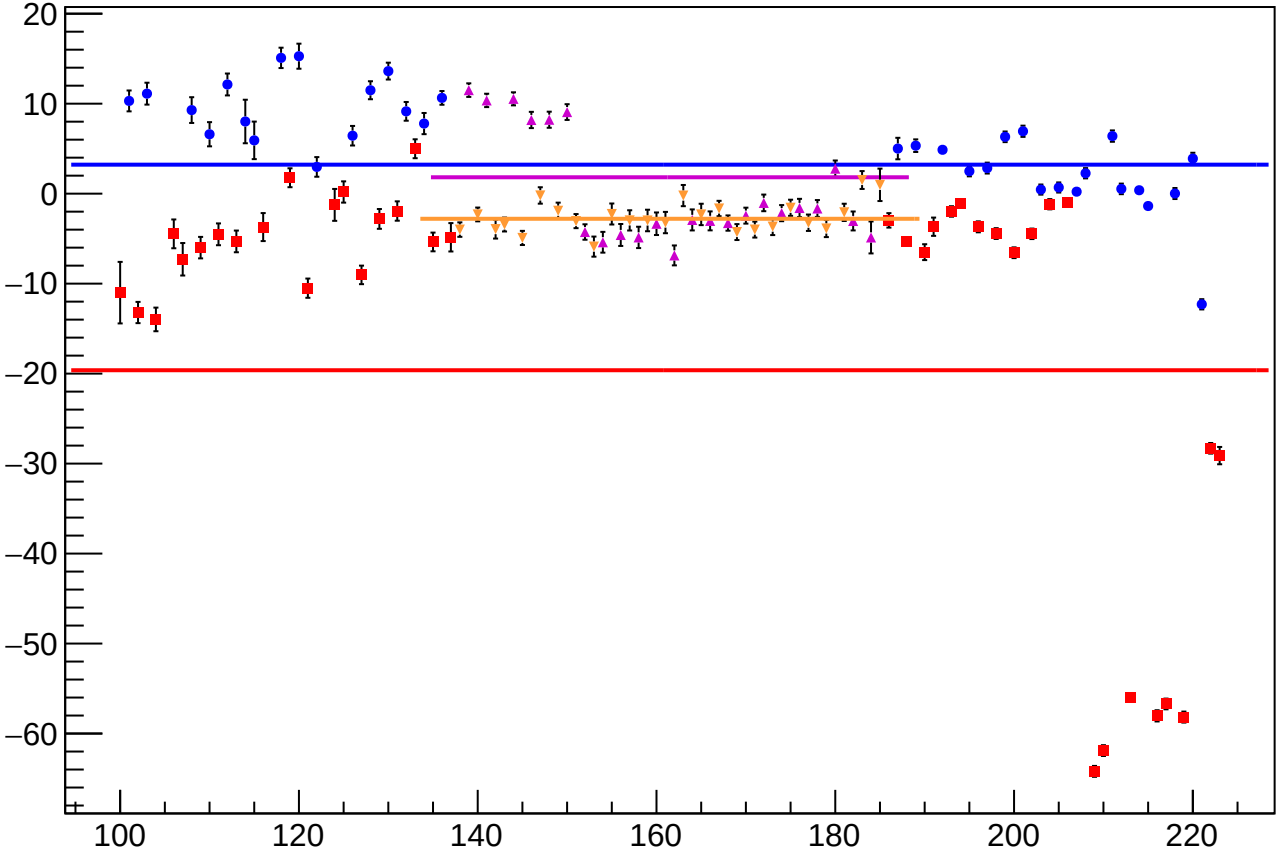
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3508.992+/-0.394 χ^2/NDF: 3342367.4/58

All: 3541.283+/-0.281 χ^2/NDF: 6384317.9/12

- sign 3574.843+/-0.402 χ^2/NDF: 3028271.4/61

diff_bpm2i01X_mean vs Slug



Right In: 3.221+/-0.126 χ^2/NDF: 1771.1/33

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -19.625+/-0.124 χ^2/NDF: 38468.8/38

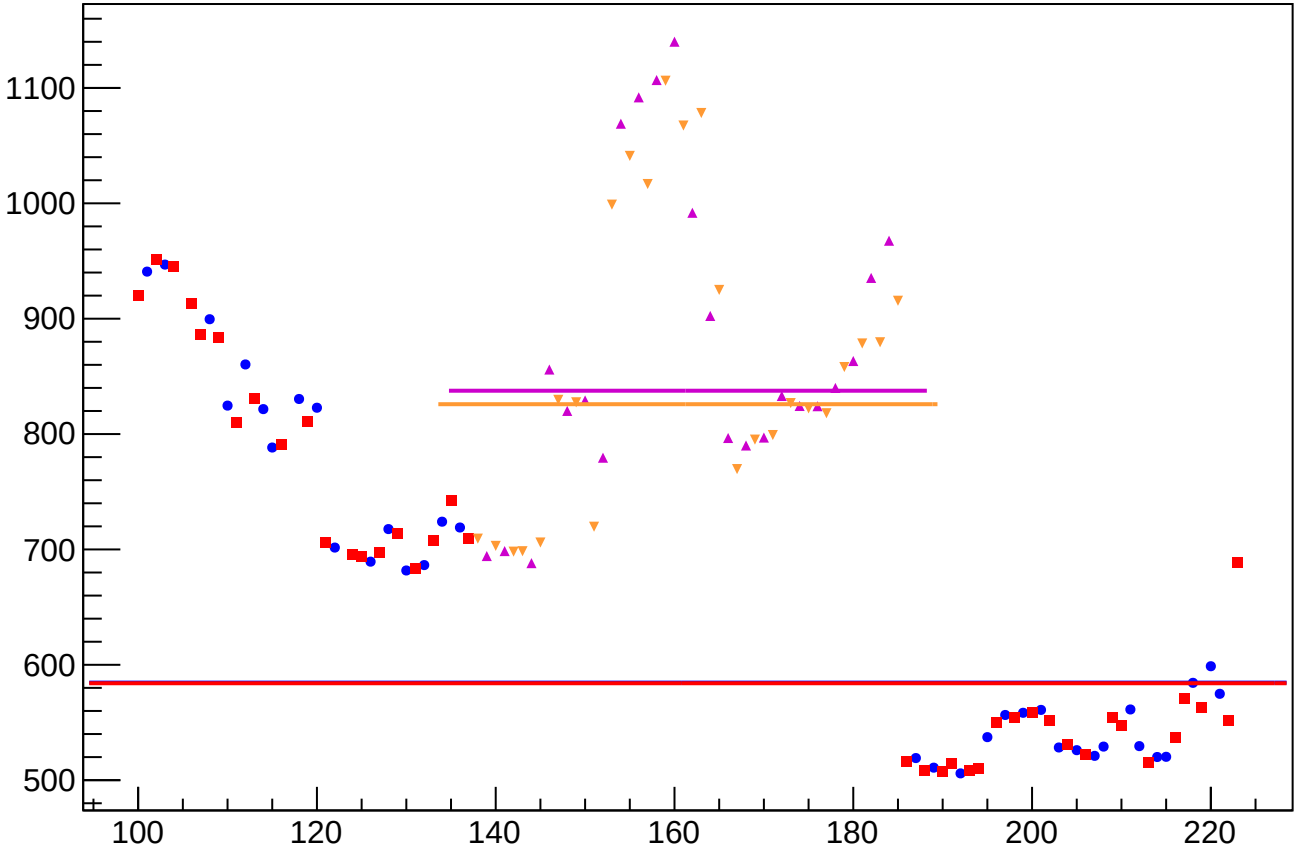
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.380+/-0.105 χ^2/NDF: 2534.1/58

All: -6.121+/-0.074 χ^2/NDF: 60613.8/120

- sign -13.602+/-0.105 χ^2/NDF: 47916.5/61

diff_bpm2i01X_rms vs Slug



Right In: 584.557+/-0.089 χ^2/NDF: 1293390.2/33

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 584.022+/-0.088 χ^2/NDF: 1430456.6/38

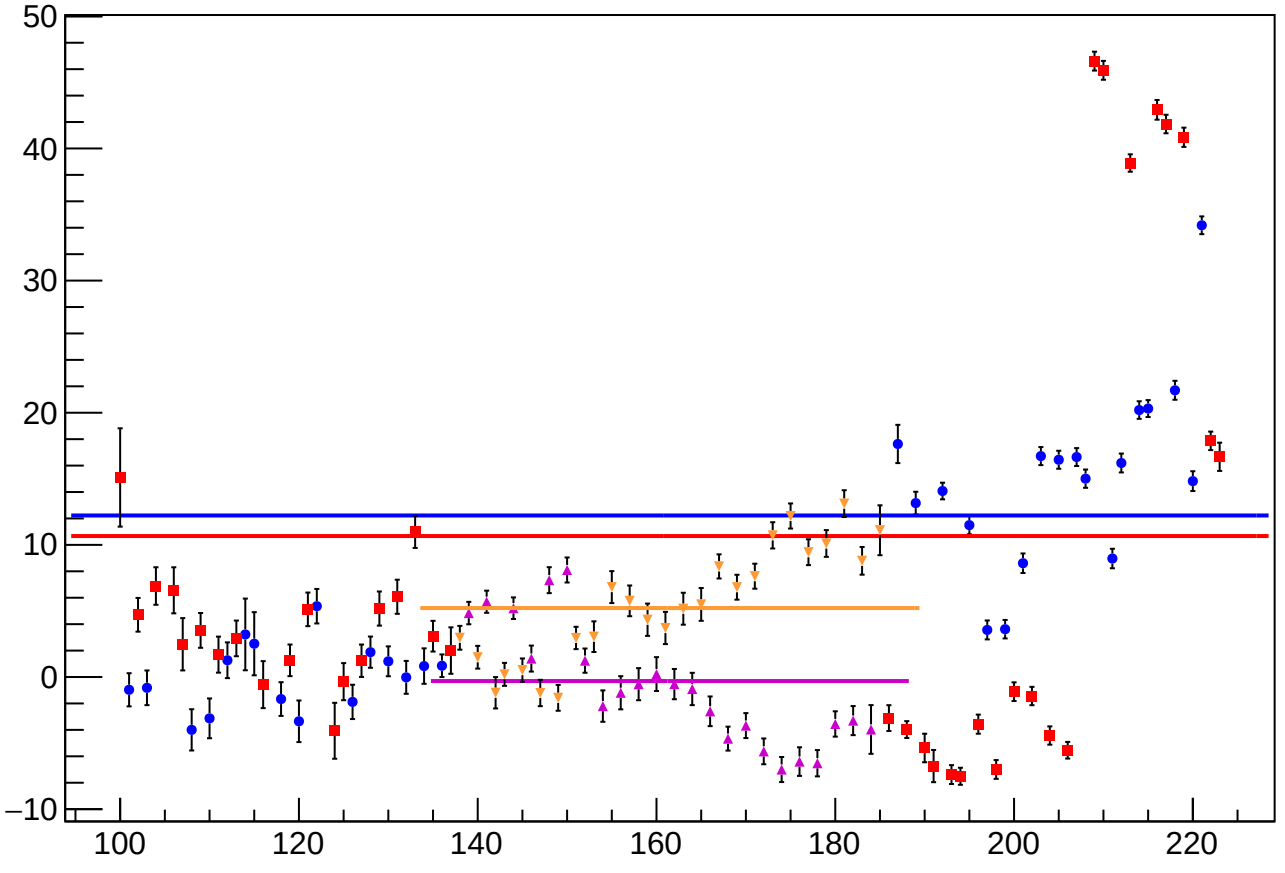
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 658.432+/-0.074 χ^2/NDF: 4295564.1/58

All: 656.827+/-0.053 χ^2/NDF: 8795677.8/120

- sign 655.227+/-0.074 χ^2/NDF: 4499183.4/61

diff_bpm2i01Y_mean vs Slug



Right In: 12.225+/-0.150 χ^2/NDF: 3490.2/33

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 10.669+/-0.147 χ^2/NDF: 18378.8/38

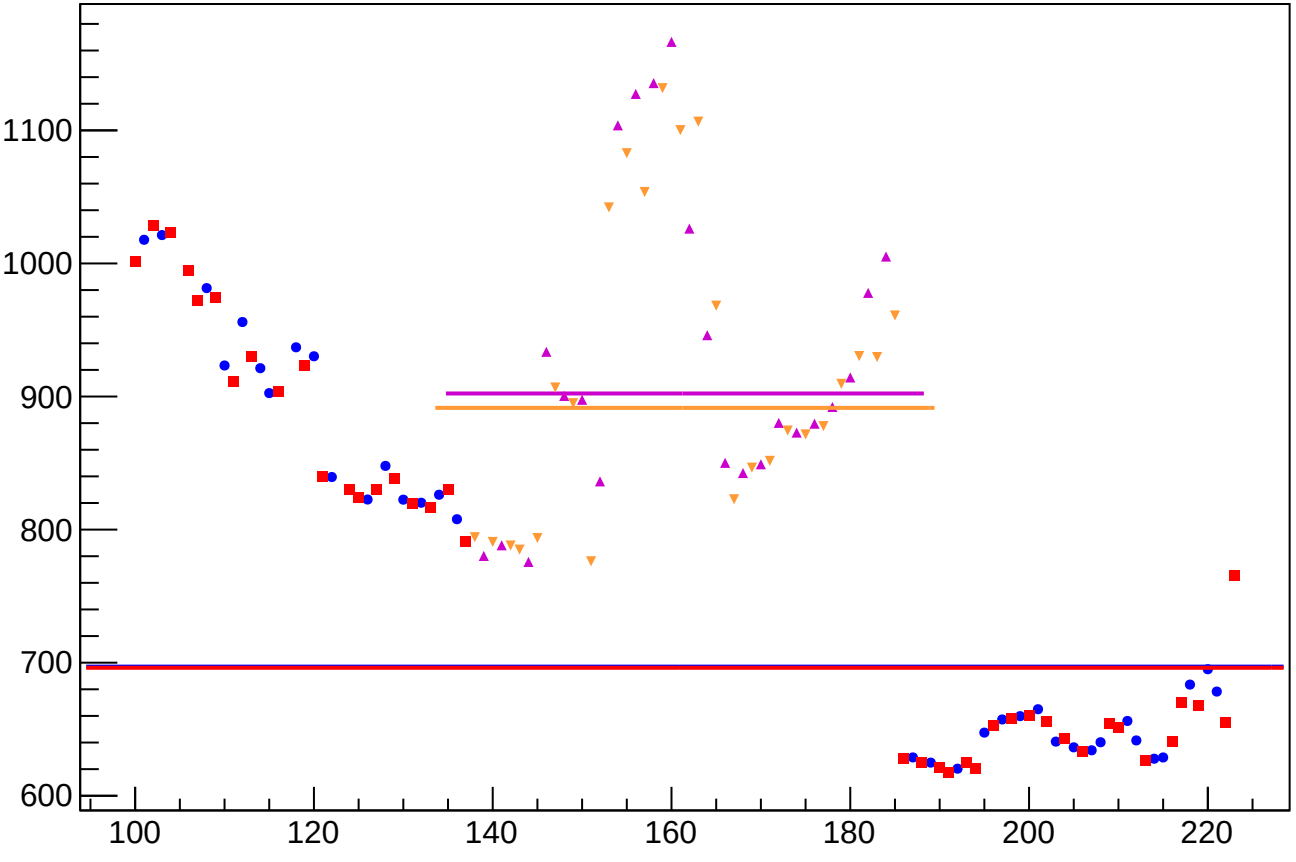
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 9.773+/-0.121 χ^2/NDF: 4704.0/58

All: 8.447+/-0.085 χ^2/NDF: 25620.2/120

\- sign 7.120+/-0.121 χ^2/NDF: 20675.5/61

diff_bpm2i01Y_rms vs Slug



Right In: 697.036+/-0.106 χ^2/NDF: 951265.7/33

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 696.178+/-0.104 χ^2/NDF: 1046859.7/38

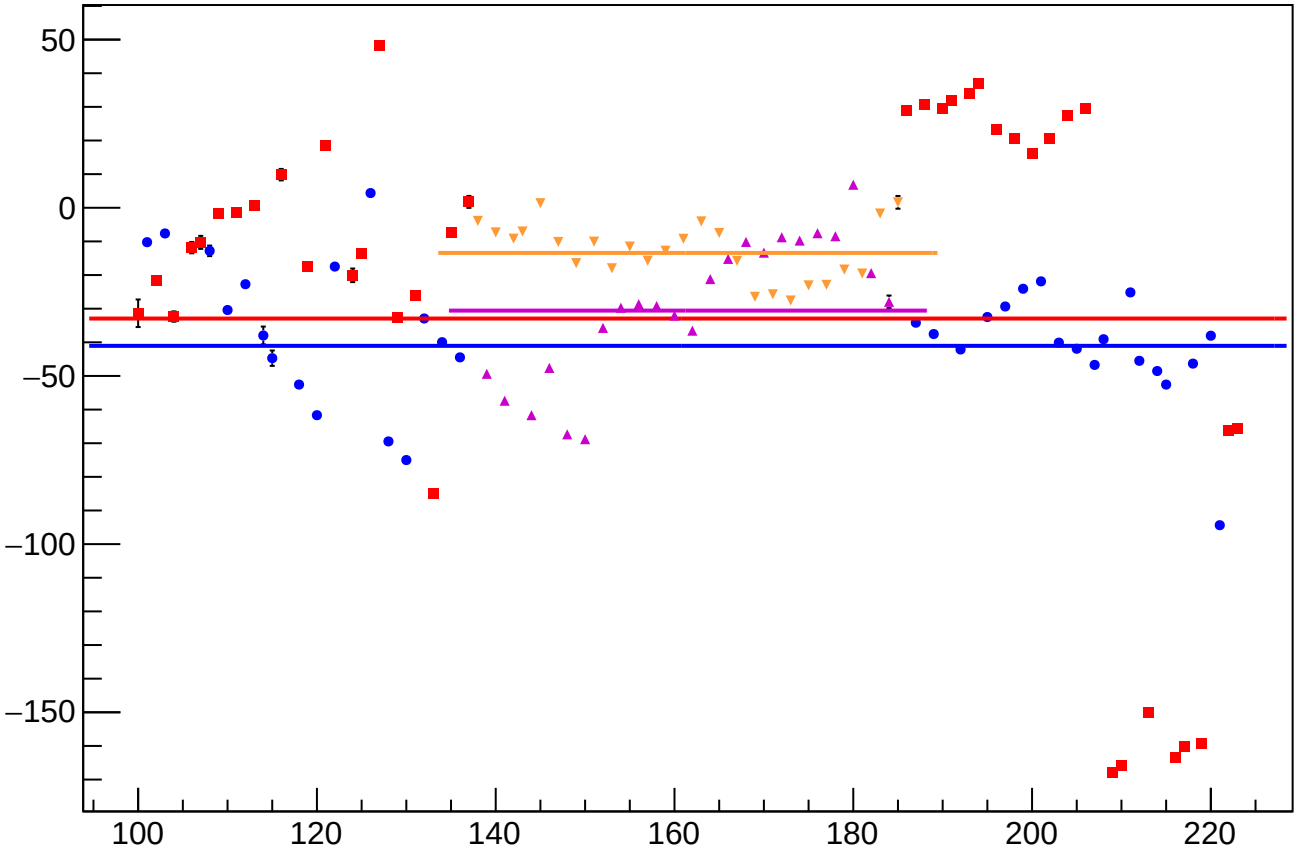
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 765.087+/-0.085 χ^2/NDF: 2646067.9/58

All: 763.958+/-0.060 χ^2/NDF: 5449460.4/120

- sign 762.828+/-0.086 χ^2/NDF: 2803043.5/61

diff_bpm2i02X_mean vs Slug



Right In: -41.049+/-0.149 χ^2/NDF: 14210.9/33

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -32.934+/-0.146 χ^2/NDF: 290217.1/38

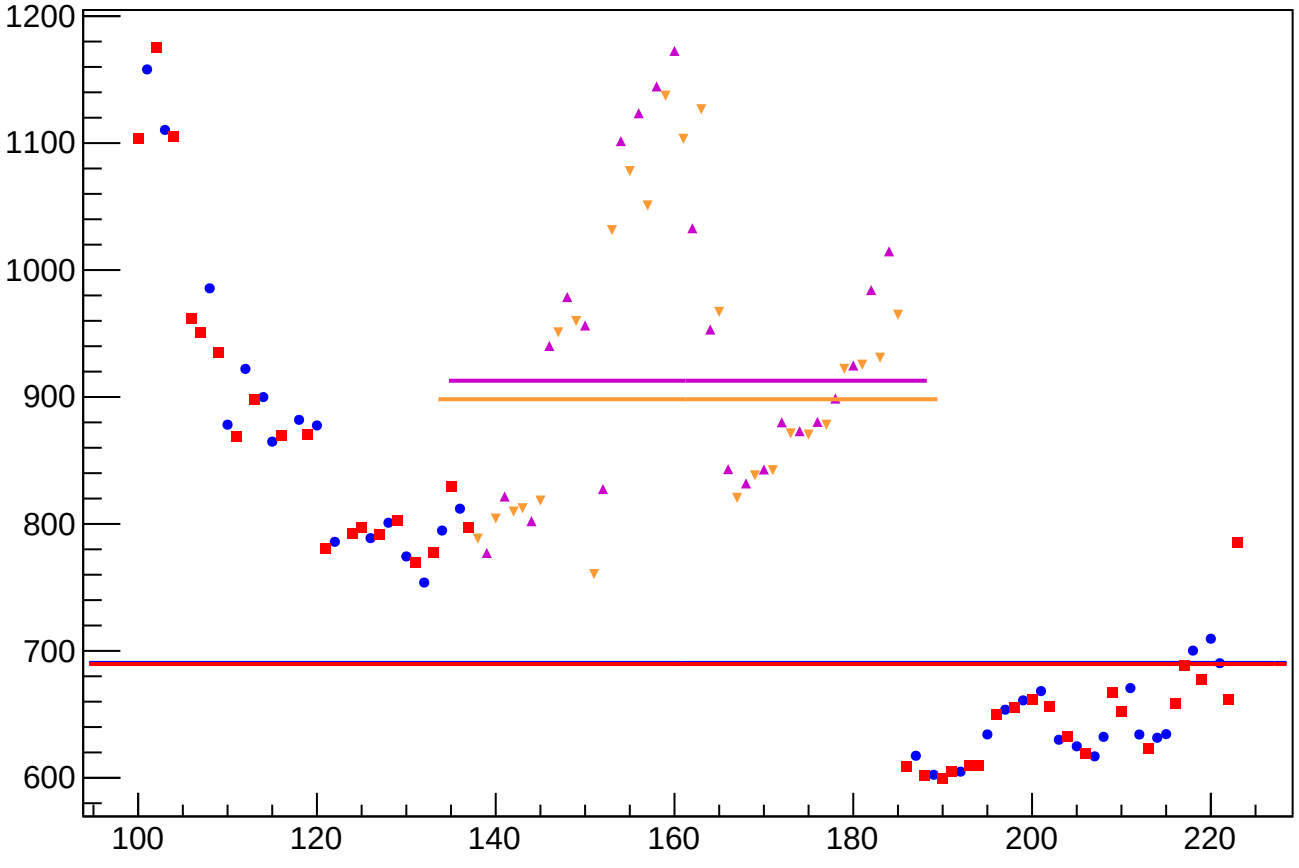
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -31.591+/-0.121 χ^2/NDF: 27709.6/58

All: -31.891+/-0.085 χ^2/NDF: 328408.3/120

- sign -32.192+/-0.121 χ^2/NDF: 300686.2/61

diff_bpm2i02X_rms vs Slug



Right In: 690.525+/-0.105 χ^2/NDF: 990901.1/33

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 689.635+/-0.103 χ^2/NDF: 1081947.5/38

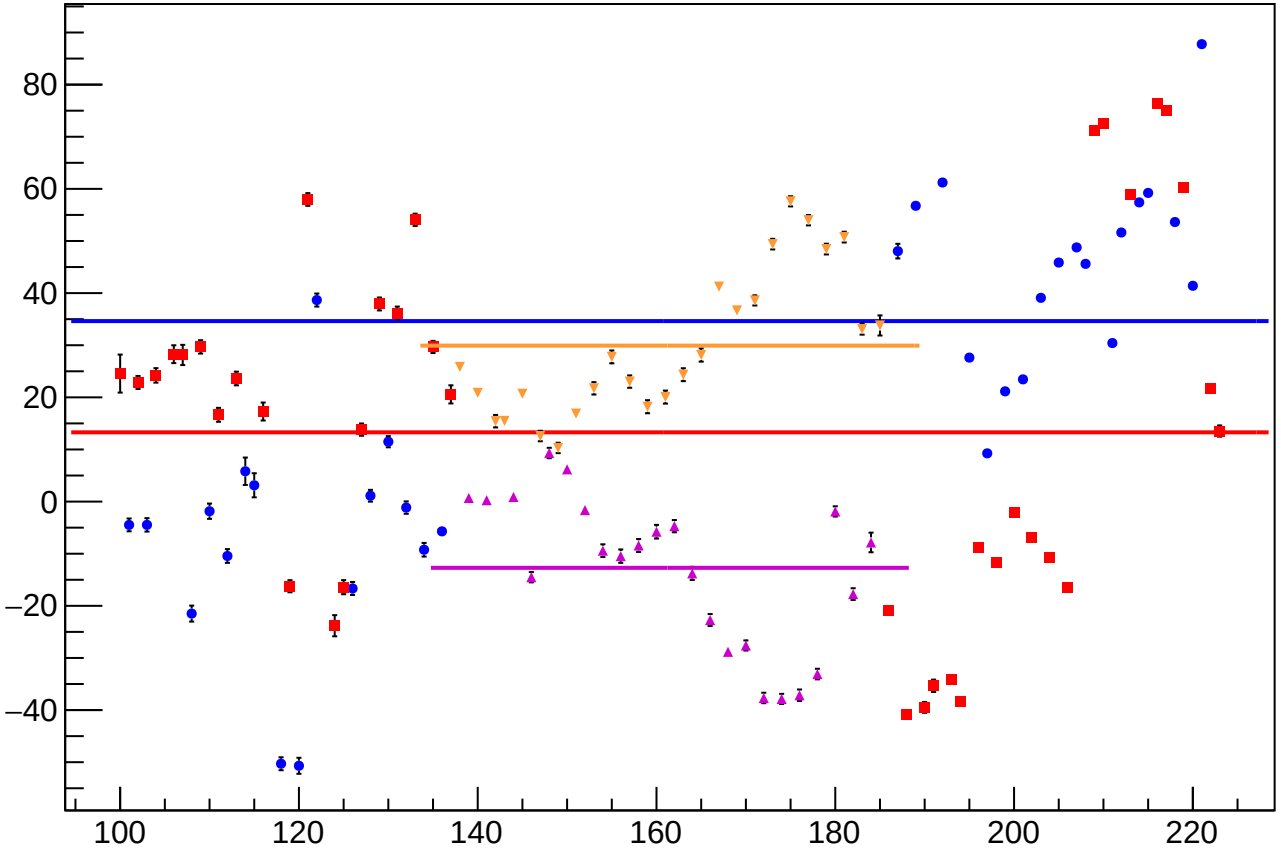
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 761.627+/-0.085 χ^2/NDF: 2847053.7/58

All: 760.696+/-0.060 χ^2/NDF: 5884804.3/120

- sign 759.763+/-0.085 χ^2/NDF: 3037511.6/61

diff_bpm2i02Y_mean vs Slug



Right In: 34.631+/-0.146 χ^2/NDF: 36796.2/33

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 13.290+/-0.143 χ^2/NDF: 76795.6/38

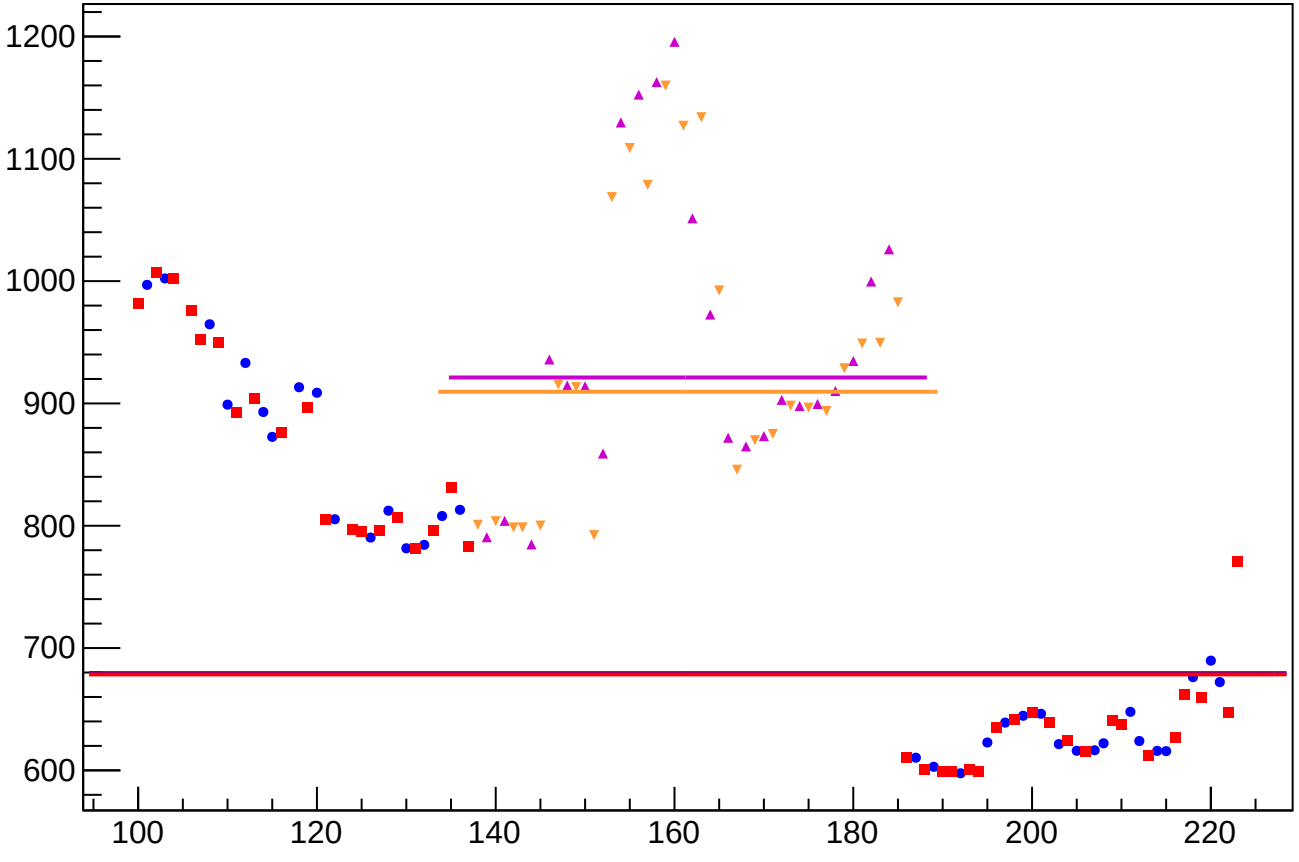
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

\+ sign 33.080+/-0.120 χ^2/NDF: 41718.5/58

All: 19.229+/-0.085 χ^2/NDF: 160050.1/120

\- sign 5.405+/-0.120 χ^2/NDF: 91575.4/61

diff_bpm2i02Y_rms vs Slug



Right In: 679.451+/-0.103 χ^2/NDF: 966446.3/33

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 678.471+/-0.101 χ^2/NDF: 1063401.6/38

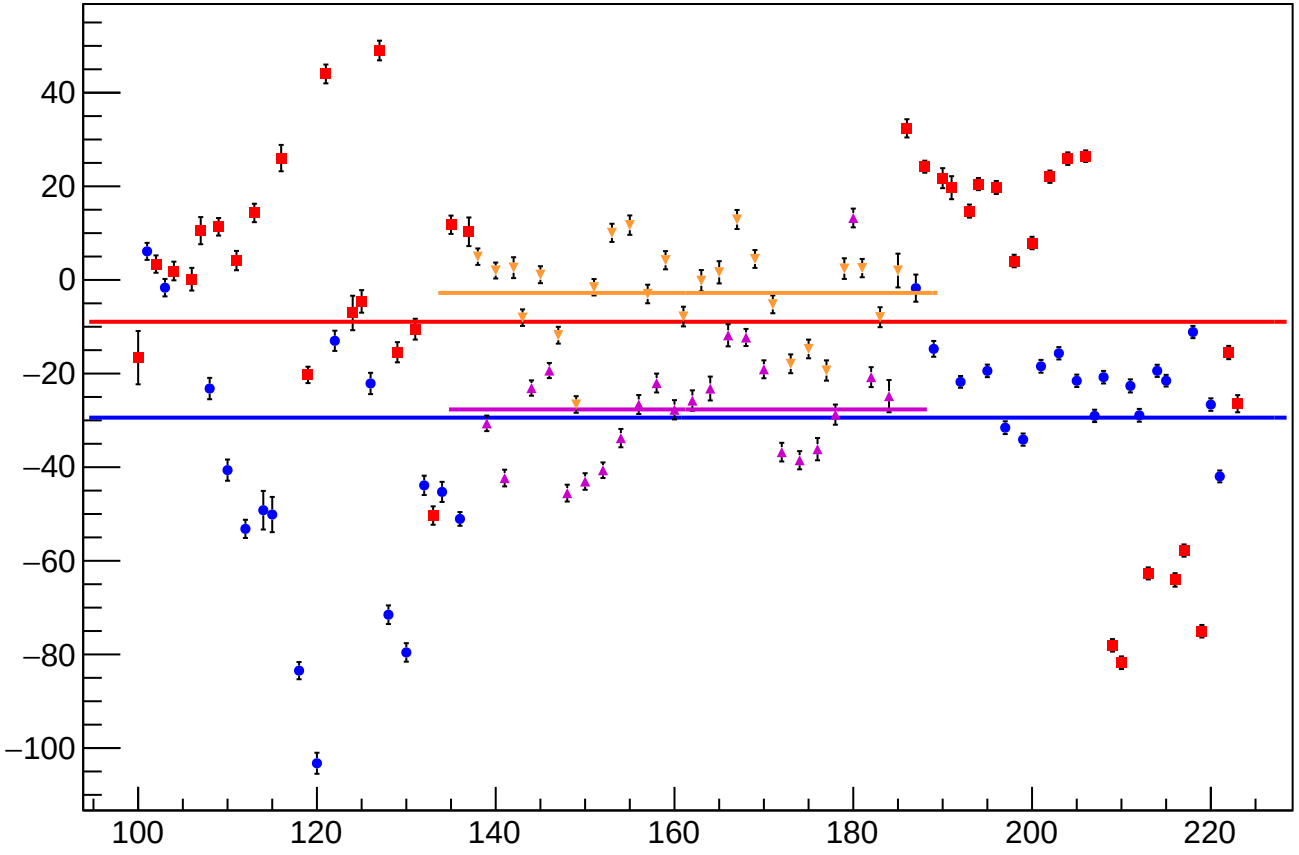
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 755.238+/-0.085 χ^2/NDF: 3140837.9/58

All: 753.662+/-0.060 χ^2/NDF: 6443638.5/120

- sign 752.088+/-0.085 χ^2/NDF: 3302107.1/61

diff_bpm0i02X_mean vs Slug



Right In: -29.415+/-0.274 χ^2/NDF: 5209.5/33

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -8.938+/-0.269 χ^2/NDF: 20446.9/38

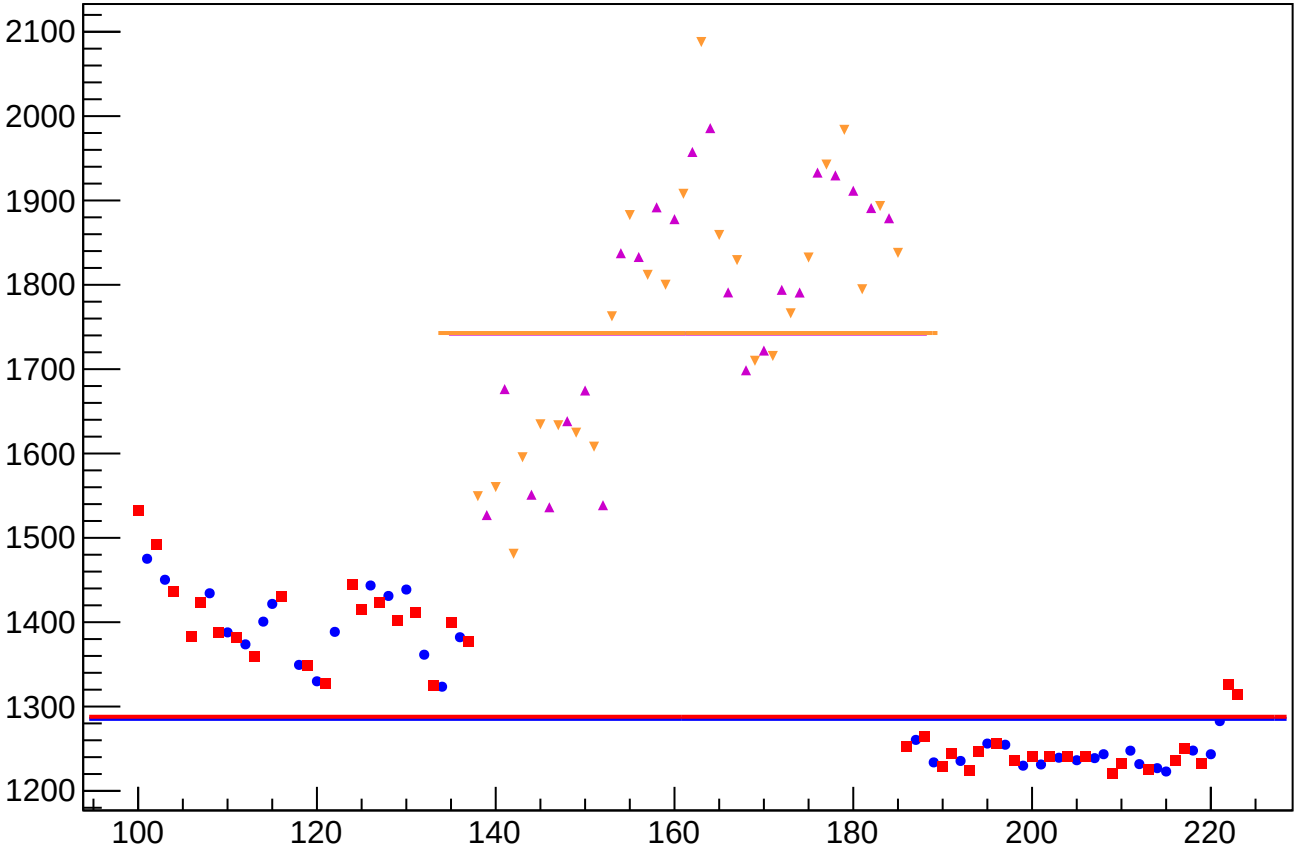
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -20.835+/-0.226 χ^2/NDF: 8874.1/58

All: -17.711+/-0.159 χ^2/NDF: 32157.6/120

\- sign -14.604+/-0.225 χ^2/NDF: 22900.6/61

diff_bpm0i02X_rms vs Slug



Right In: 1285.388+/-0.194 χ^2/NDF: 151339.1/33

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1287.886+/-0.190 χ^2/NDF: 152539.6/38

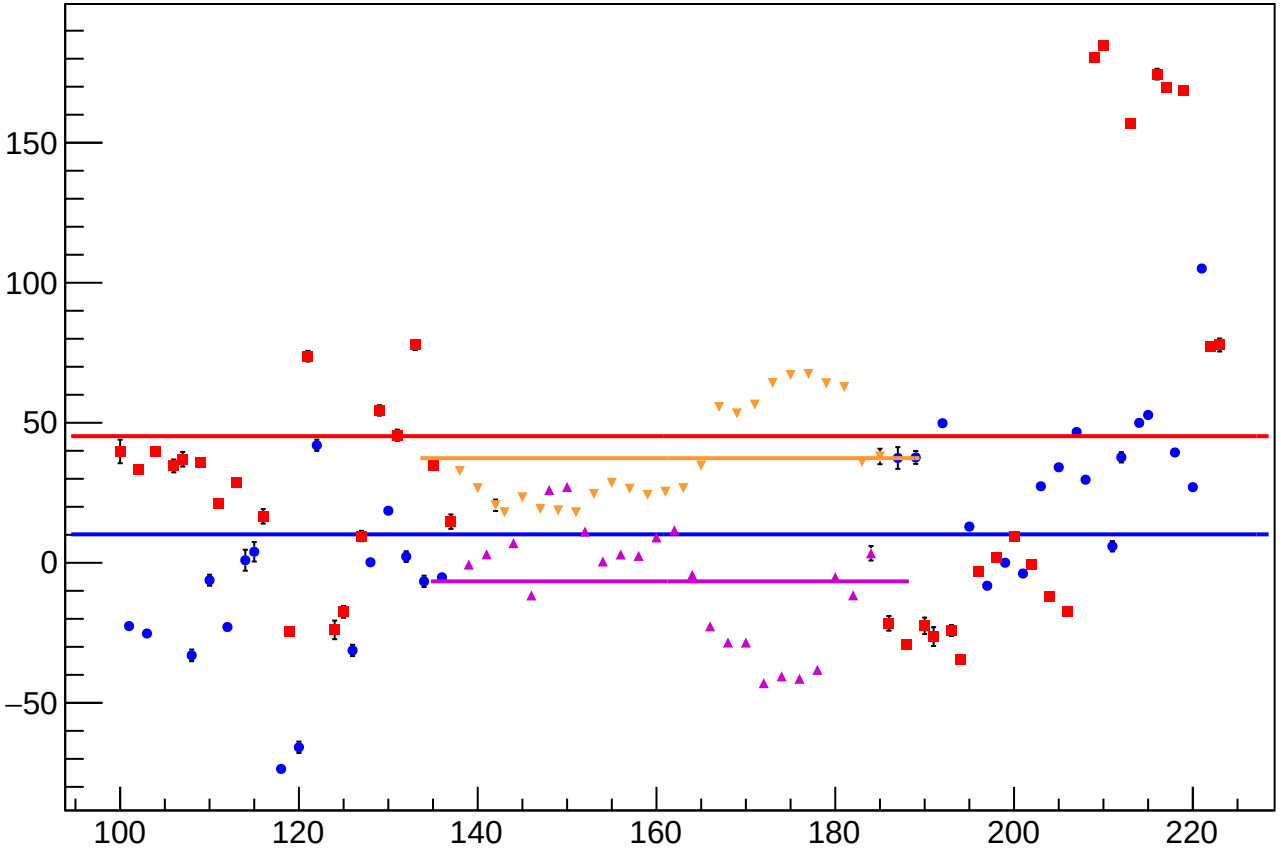
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1432.675+/-0.159 χ^2/NDF: 2211234.7/58

All: 1429.004+/-0.113 χ^2/NDF: 4349337.5/12

- sign 1425.355+/-0.159 χ^2/NDF: 2137045.9/61

diff_bpm0i02Y_mean vs Slug



Right In: 10.161+/-0.311 χ^2/NDF: 13679.3/33

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

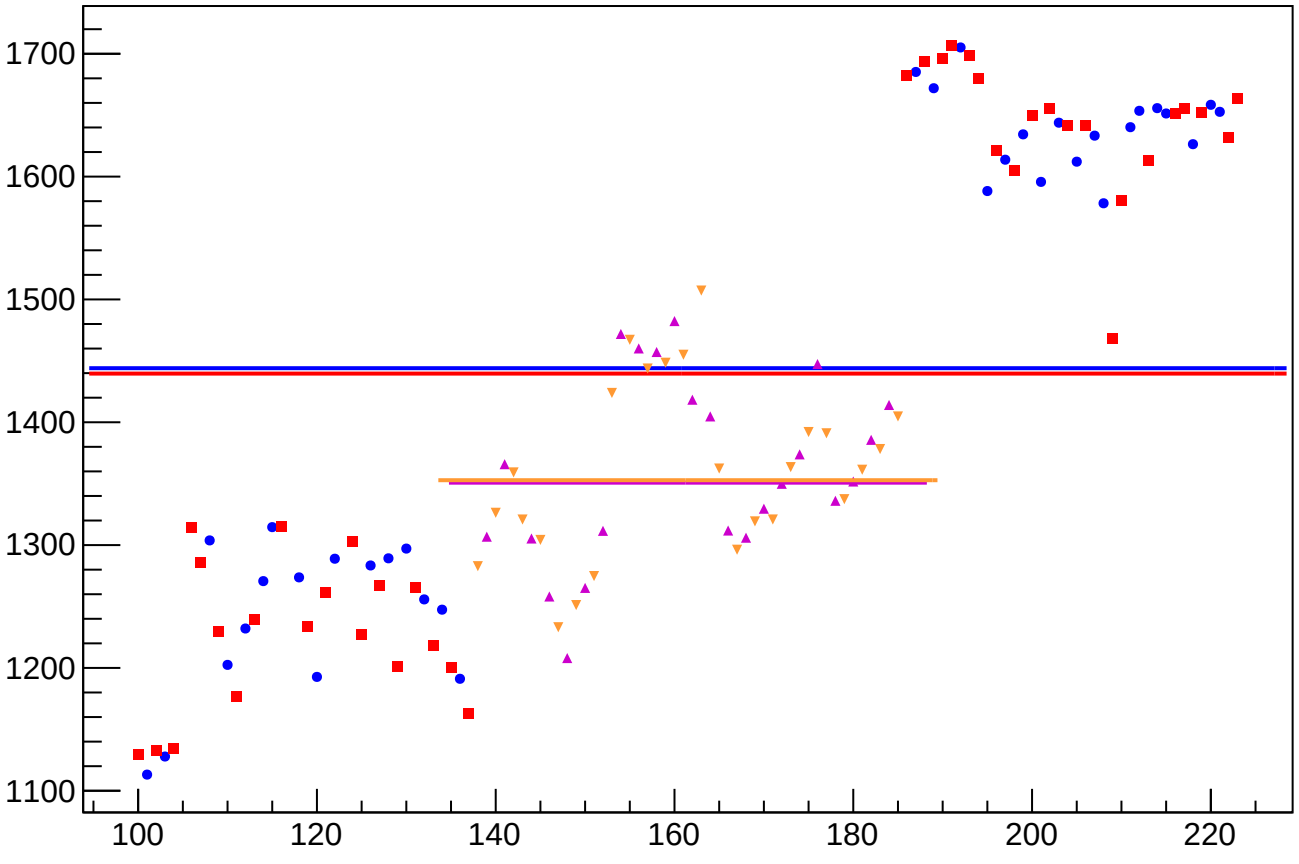
Right Out: 45.221+/-0.304 χ^2/NDF: 49619.5/38

Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

\+ sign 23.881+/-0.219 χ^2/NDF: 20946.8/58

All: 22.101+/-0.155 χ^2/NDF: 89094.8/120

\- sign 20.314+/-0.219 χ^2/NDF: 68015.2/61



Right In: 1444.017+/-0.220 χ^2/NDF: 927678.1/33

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1439.630+/-0.215 χ^2/NDF: 1010527.6/38

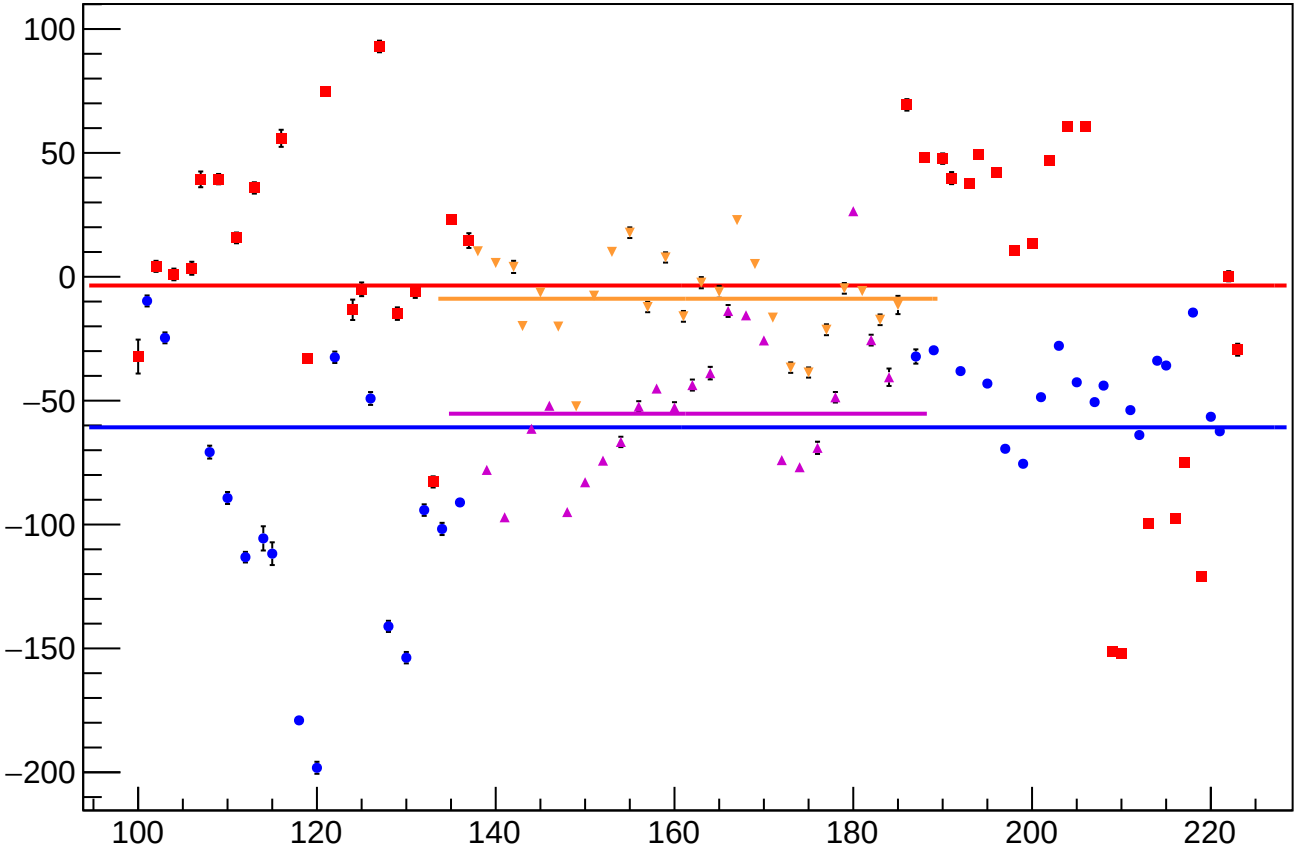
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1398.028+/-0.155 χ^2/NDF: 1119521.4/58

All: 1397.503+/-0.109 χ^2/NDF: 2320726.3/12

- sign 1396.976+/-0.155 χ^2/NDF: 1201181.7/61

diff_bpm0i02aX_mean vs Slug



Right In: -60.759+/-0.311 χ^2/NDF: 15703.7/33

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -3.524+/-0.304 χ^2/NDF: 50843.0/38

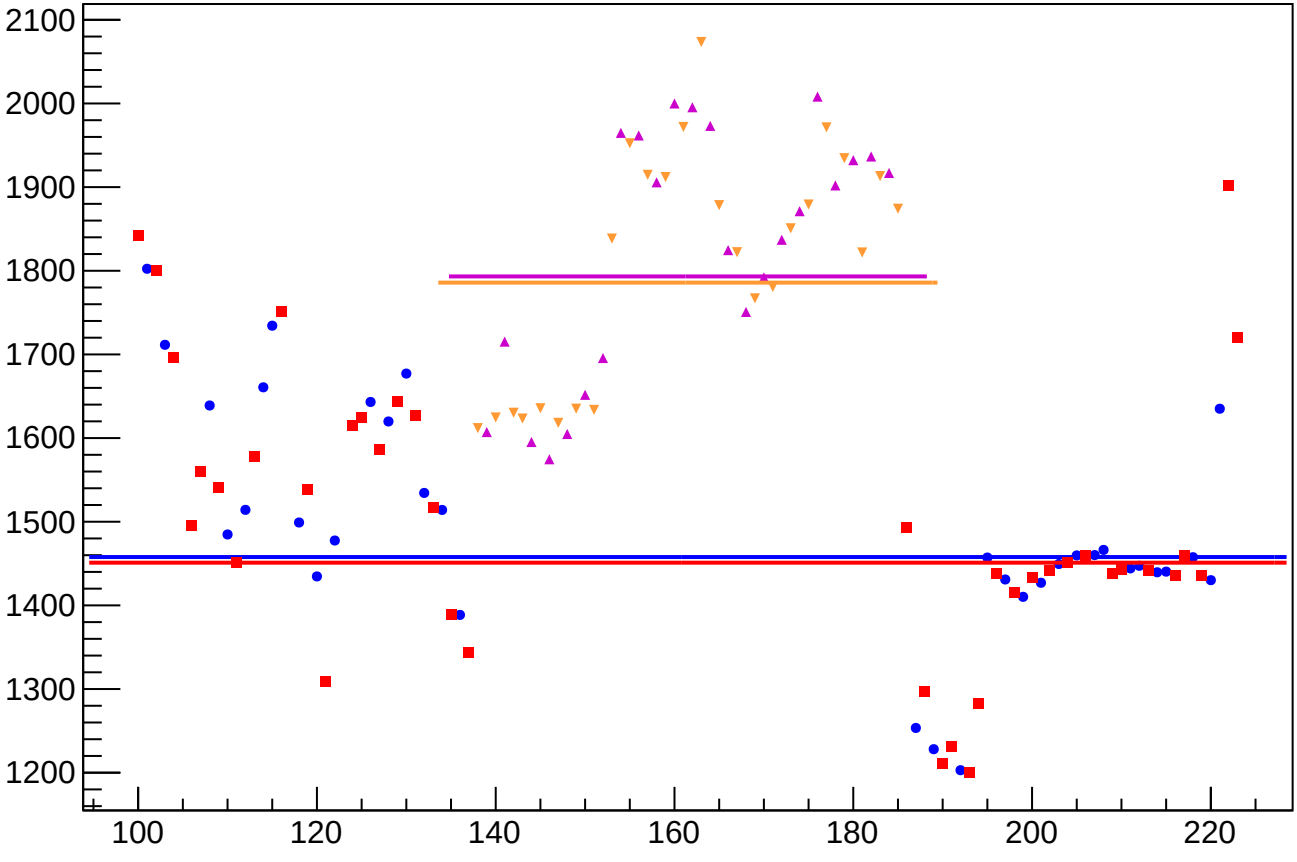
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -41.618+/-0.247 χ^2/NDF: 27911.6/58

All: -31.443+/-0.175 χ^2/NDF: 96801.9/120

- sign -21.322+/-0.247 χ^2/NDF: 65512.9/61

diff_bpm0i02aX_rms vs Slug



Right In: 1457.787+/-0.220 χ^2/NDF: 307172.0/33

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1451.045+/-0.215 χ^2/NDF: 458085.0/38

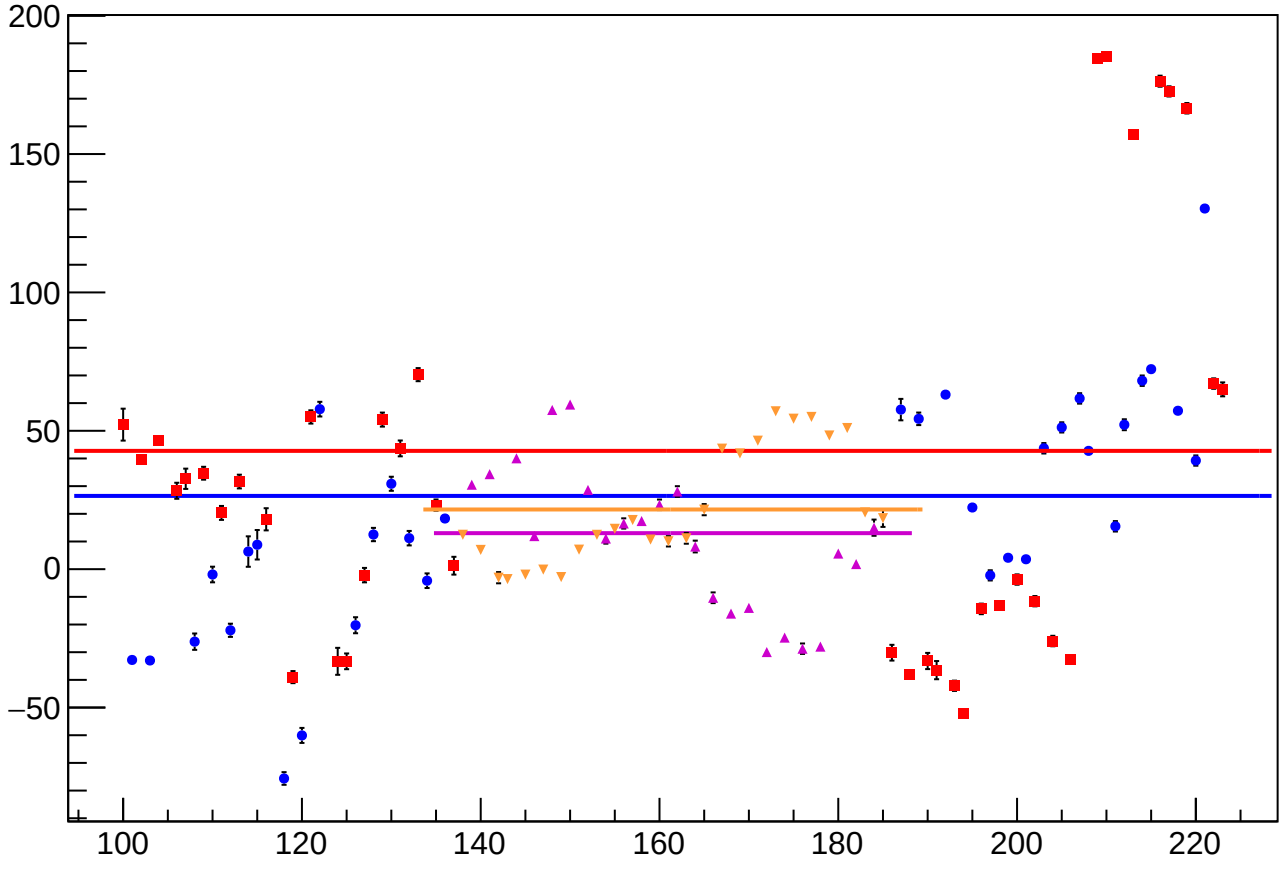
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1578.776+/-0.175 χ^2/NDF: 1363811.8/58

All: 1573.752+/-0.123 χ^2/NDF: 2945356.4/12

- sign 1568.755+/-0.174 χ^2/NDF: 1579897.8/61

diff_bpm0i02aY_mean vs Slug



Right In: 26.473+/-0.358 χ^2/NDF: 13894.0/33

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 42.745+/-0.348 χ^2/NDF: 51861.2/38

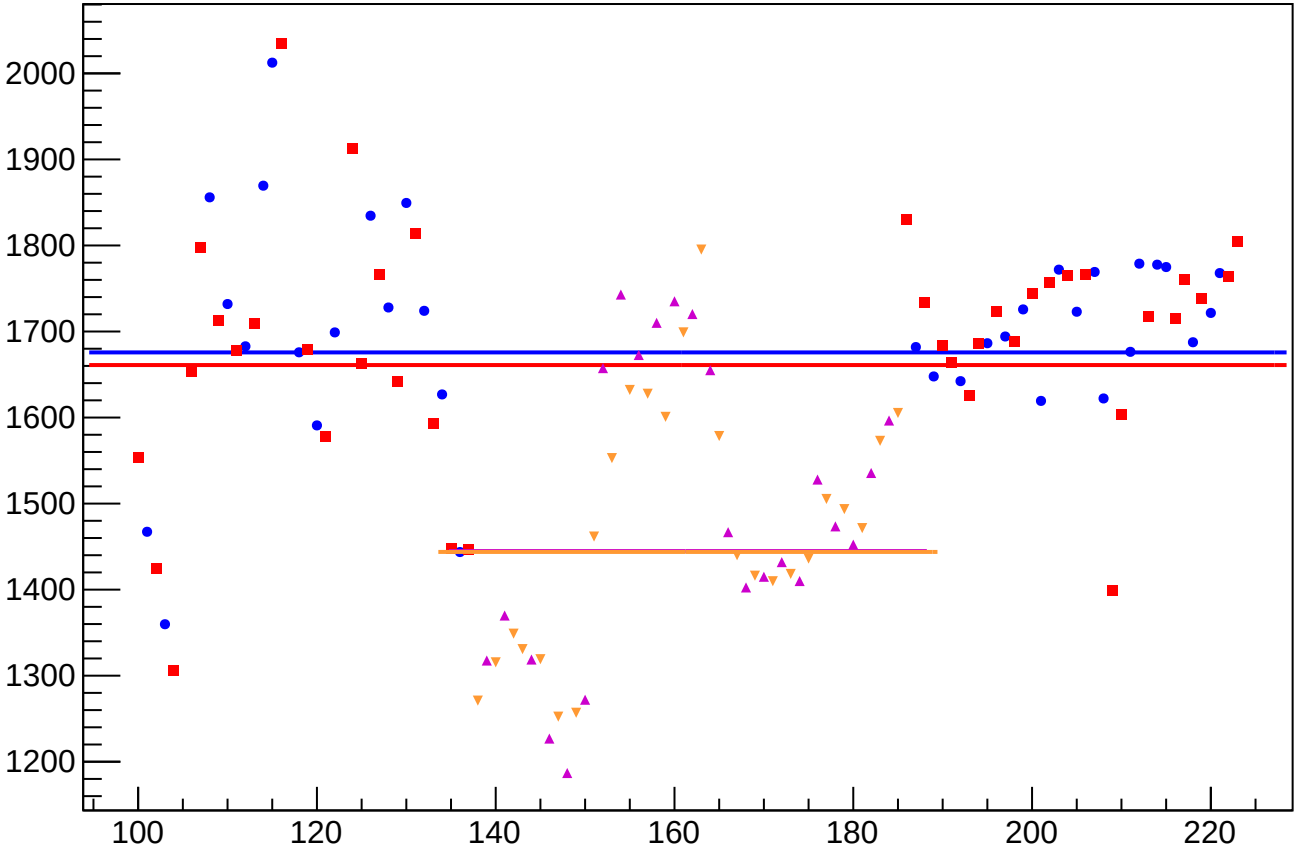
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 23.821+/-0.243 χ^2/NDF: 18156.4/58

All: 25.669+/-0.172 χ^2/NDF: 80493.5/120

- sign 27.527+/-0.243 χ^2/NDF: 62220.7/61

diff_bpm0i02aY_rms vs Slug



Right In: 1675.704+/-0.253 χ^2/NDF: 218551.5/33

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1661.012+/-0.246 χ^2/NDF: 308229.5/38

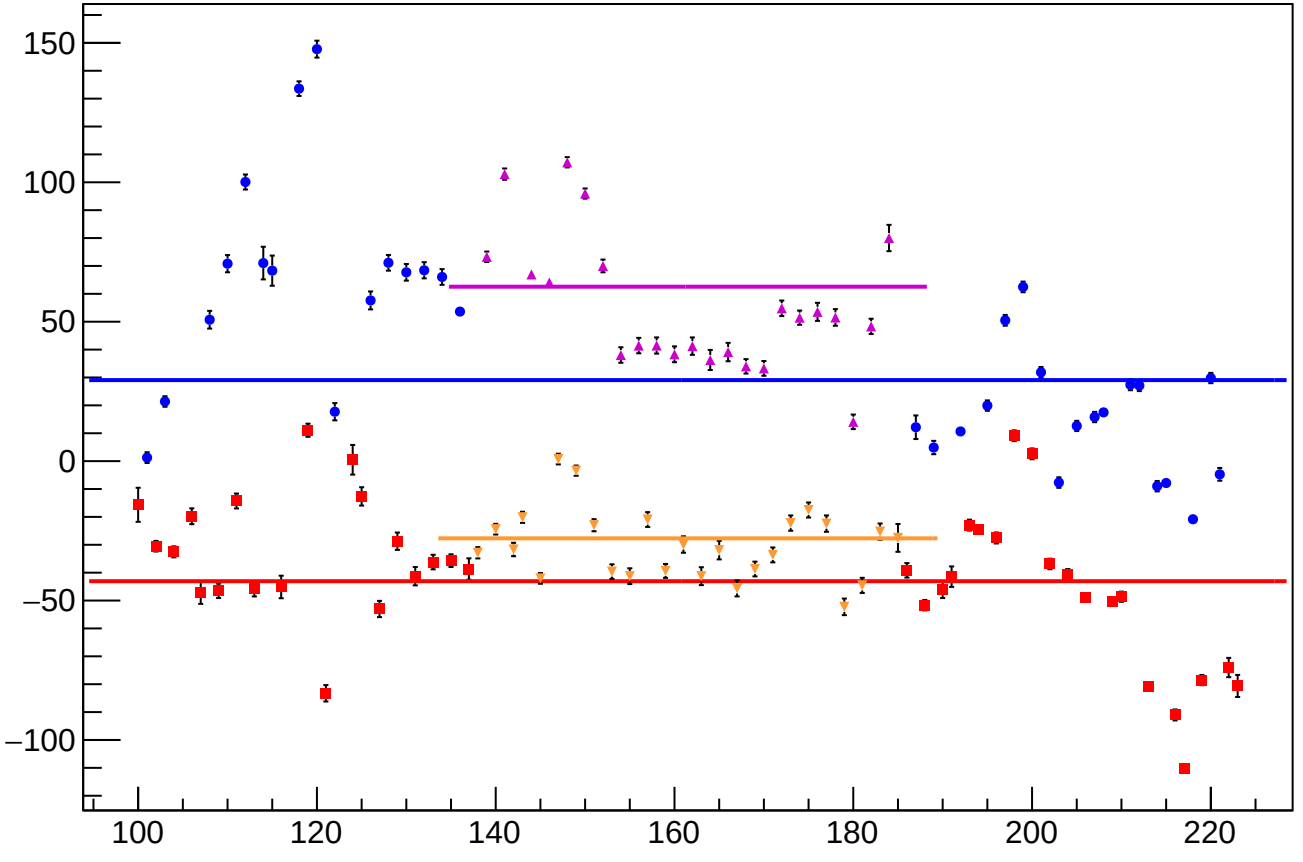
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1550.378+/-0.172 χ^2/NDF: 1024929.6/58

All: 1550.366+/-0.121 χ^2/NDF: 2213069.8/12

- sign 1550.355+/-0.172 χ^2/NDF: 1188140.1/61

diff_bpm0i05X_mean vs Slug



Right In: 29.057+/-0.379 χ^2/NDF: 8462.6/33

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -43.062+/-0.372 χ^2/NDF: 5823.6/38

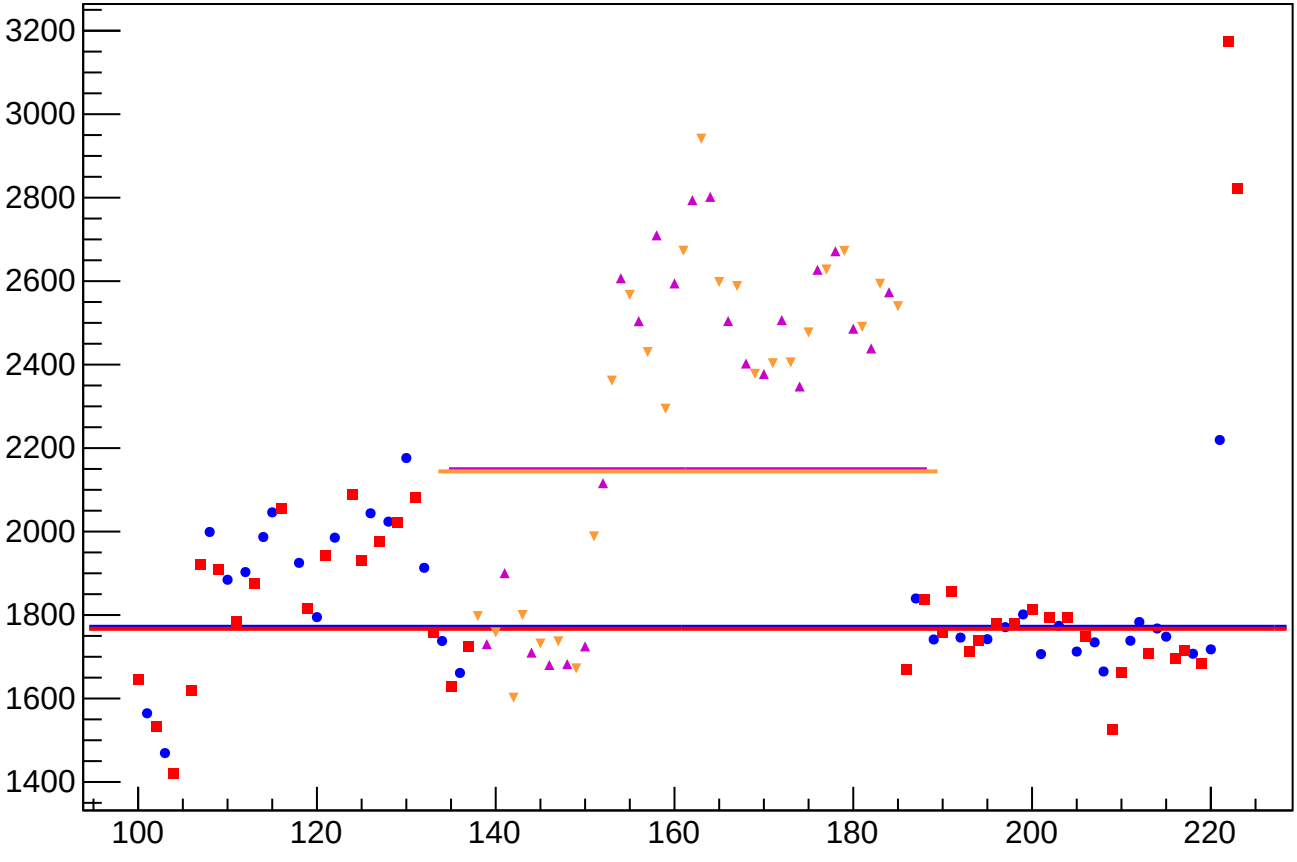
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.125+/-0.301 χ^2/NDF: 17489.8/58

All: 0.805+/-0.213 χ^2/NDF: 54805.3/120

- sign -6.506+/-0.301 χ^2/NDF: 36135.4/61

diff_bpm0i05X_rms vs Slug



Right In: 1771.864+/-0.268 χ^2/NDF: 292061.8/33

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1766.996+/-0.263 χ^2/NDF: 732236.2/38

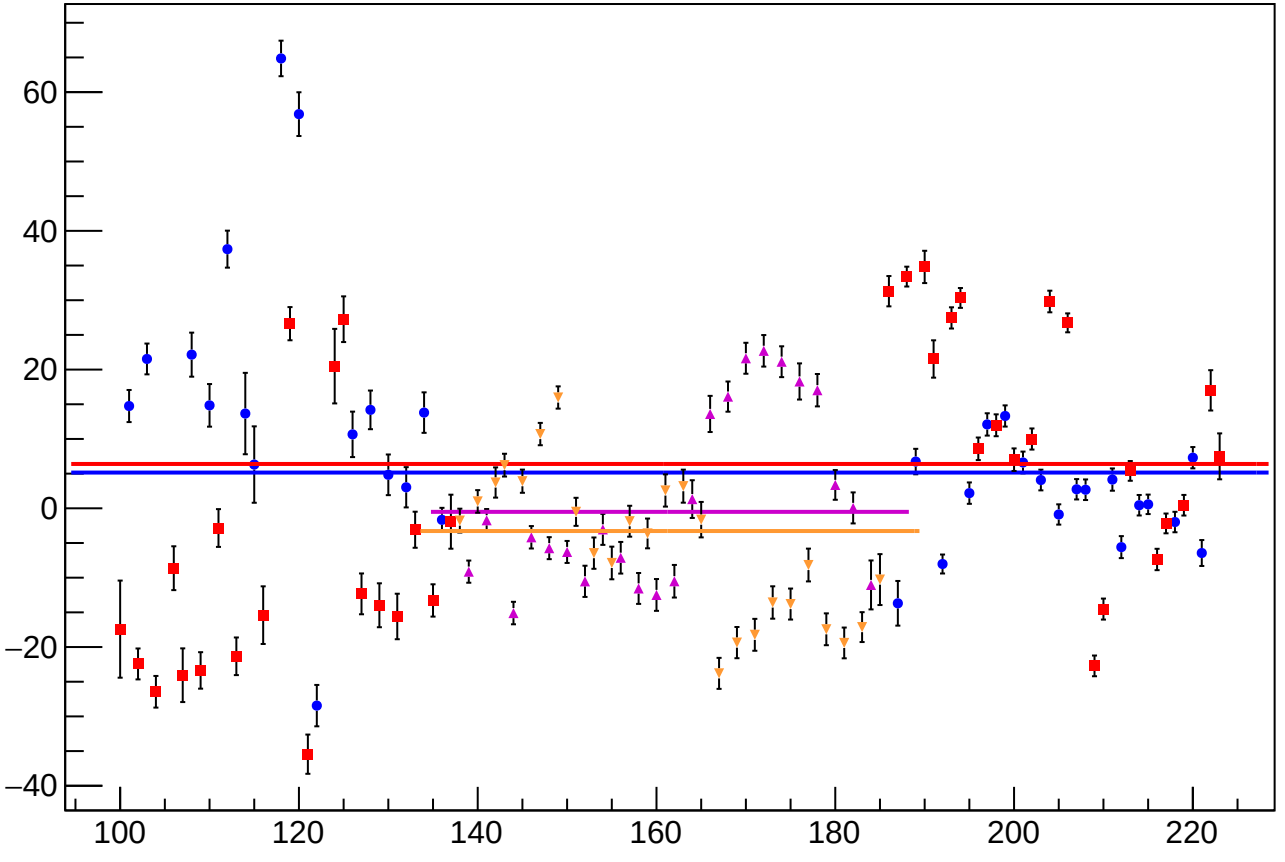
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1909.210+/-0.213 χ^2/NDF: 2283227.8/58

All: 1904.269+/-0.151 χ^2/NDF: 5012327.5/12

- sign 1899.334+/-0.213 χ^2/NDF: 2728024.3/61

diff_bpm0i05Y_mean vs Slug



Right In: 5.154+/-0.326 χ^2/NDF: 1568.6/33

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 6.394+/-0.323 χ^2/NDF: 3616.3/38

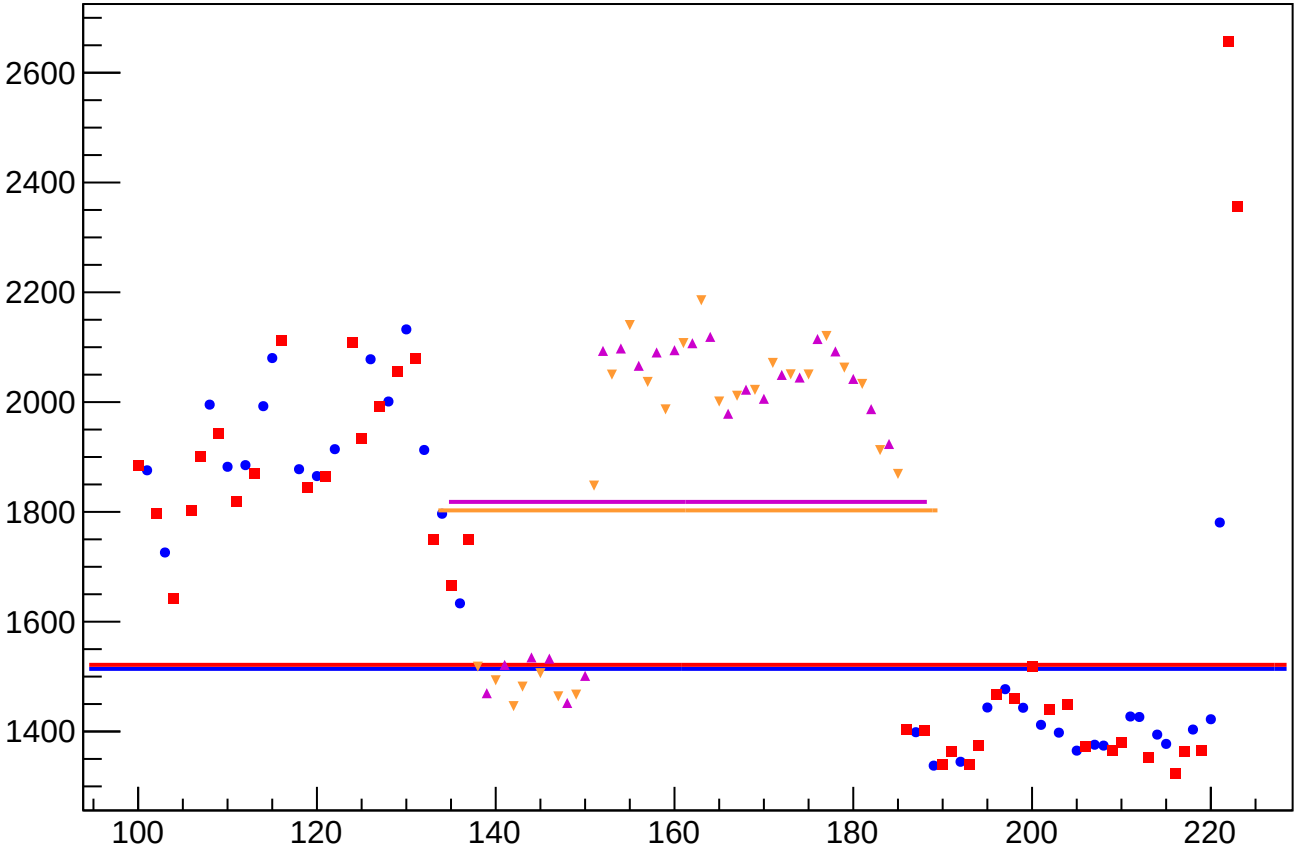
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.931+/-0.256 χ^2/NDF: 2494.9/58

All: 2.913+/-0.182 χ^2/NDF: 7051.7/120

- sign 3.907+/-0.258 χ^2/NDF: 4527.2/61

diff_bpm0i05Y_rms vs Slug



Right In: 1514.066+/-0.231 χ^2/NDF: 832455.3/33

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1521.422+/-0.228 χ^2/NDF: 1248077.2/38

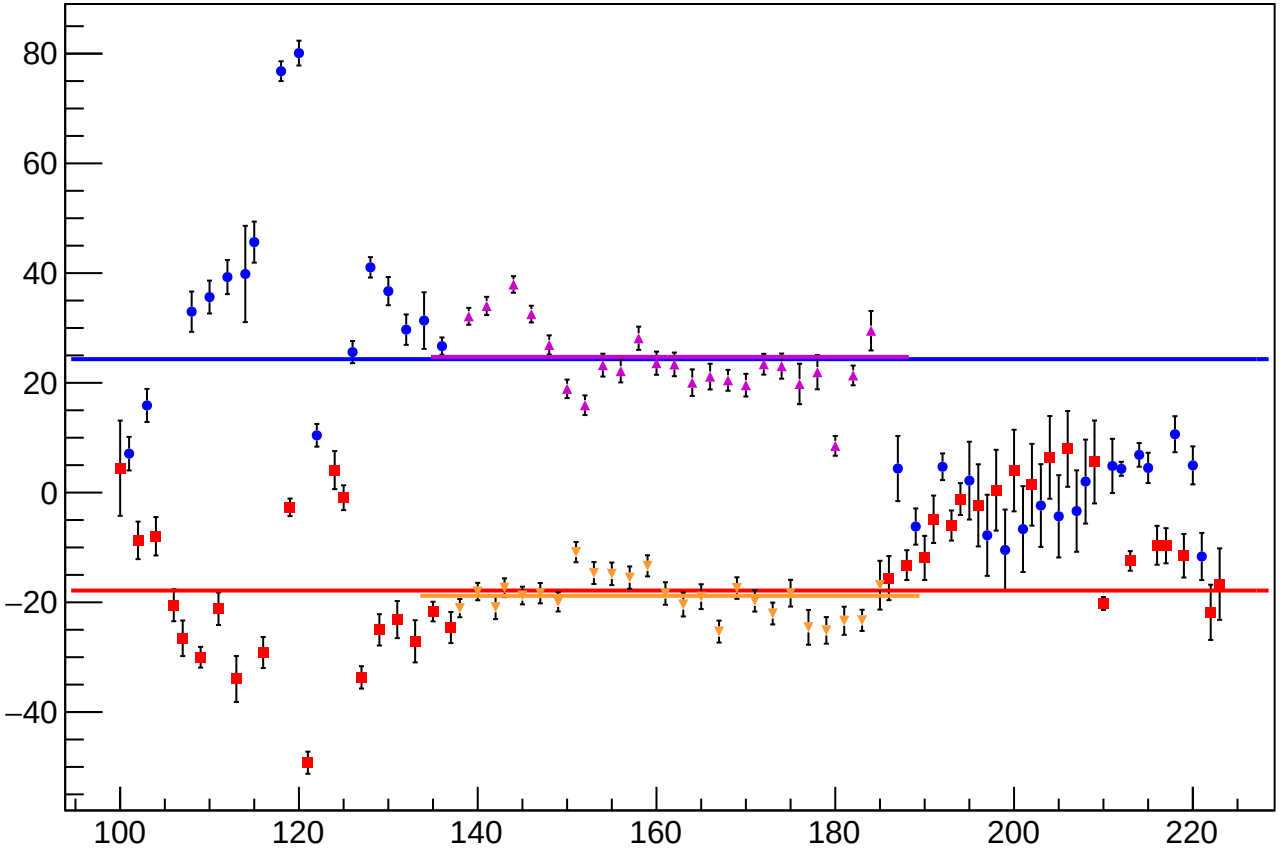
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1624.441+/-0.181 χ^2/NDF: 2328623.0/58

All: 1626.380+/-0.129 χ^2/NDF: 5027510.8/12

- sign 1628.341+/-0.182 χ^2/NDF: 2698657.8/61

diff_bpm0i07X_mean vs Slug



Right In: 24.315+/-0.485 χ^2/NDF: 2500.1/33

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -17.854+/-0.453 χ^2/NDF: 770.7/38

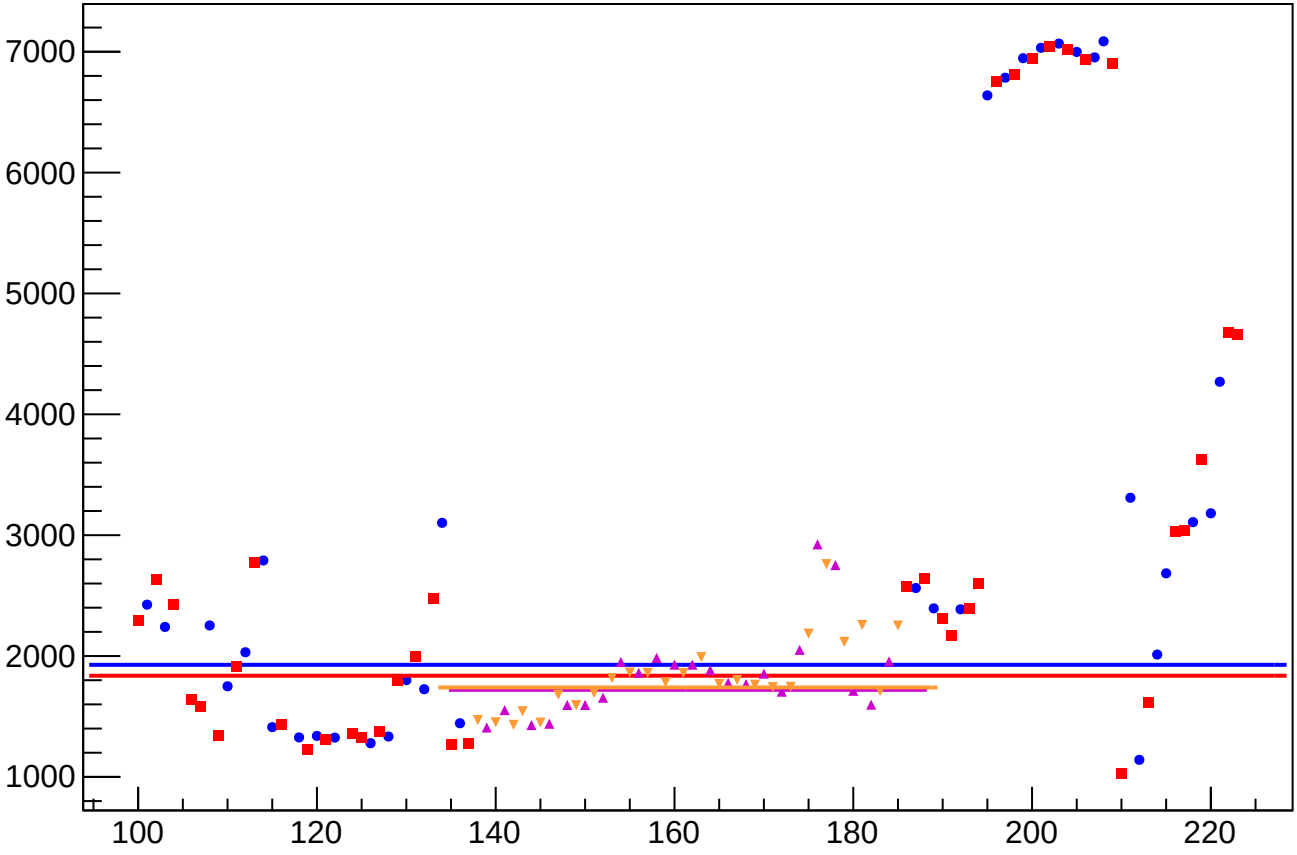
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -1.261+/-0.310 χ^2/NDF: 7261.9/58

All: 2.238+/-0.217 χ^2/NDF: 13466.9/120

\- sign 5.600+/-0.303 χ^2/NDF: 5954.3/61

diff_bpm0i07X_rms vs Slug



Right In: 1927.232+/-0.343 χ^2/NDF: 10922300.4/33

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1837.258+/-0.320 χ^2/NDF: 11525837.2/38

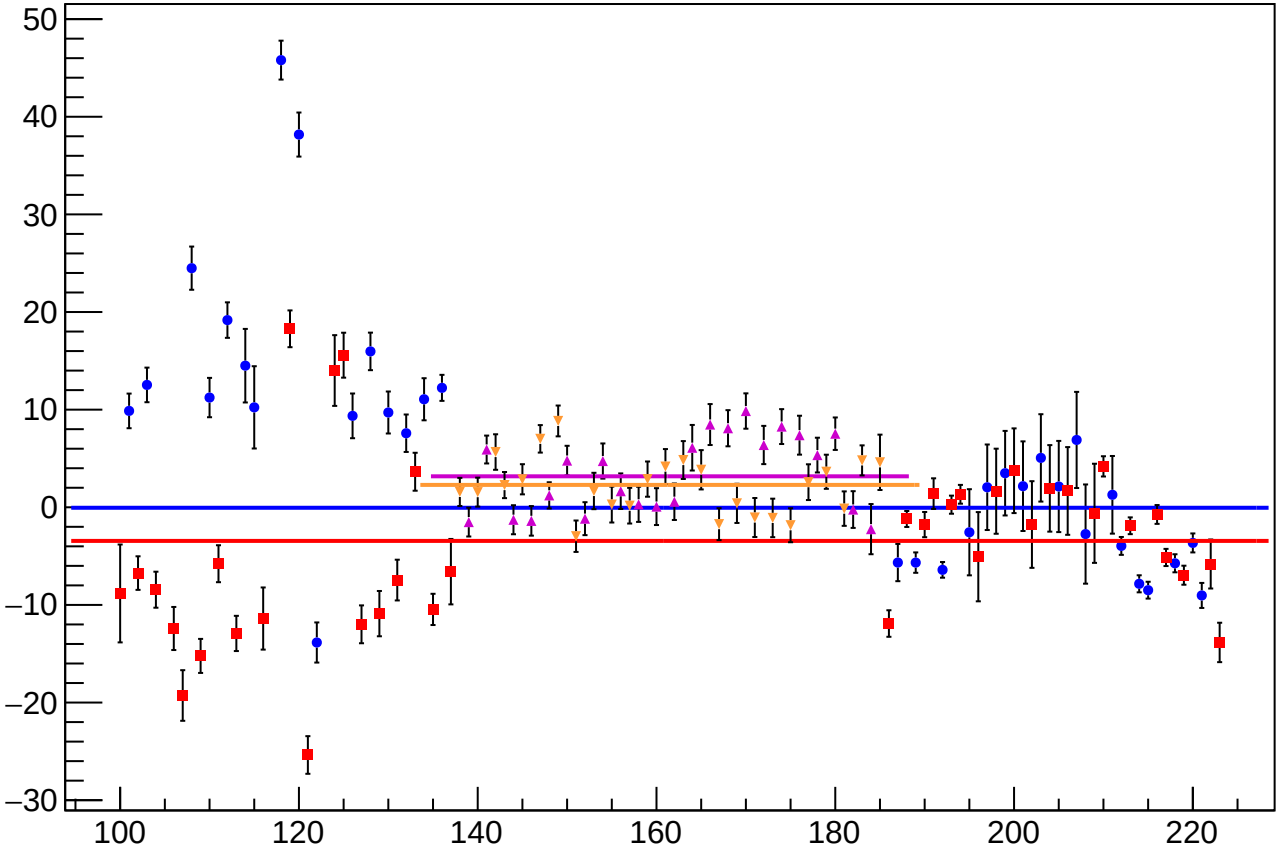
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1816.256+/-0.219 χ^2/NDF: 11852154.7/58

All: 1794.272+/-0.153 χ^2/NDF: 24354610.8/1

- sign 1773.152+/-0.215 χ^2/NDF: 12482672.2/61

diff_bpm0i07Y_mean vs Slug



Right In: -0.049+/-0.269 χ^2/NDF: 1864.2/33

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.443+/-0.250 χ^2/NDF: 782.9/38

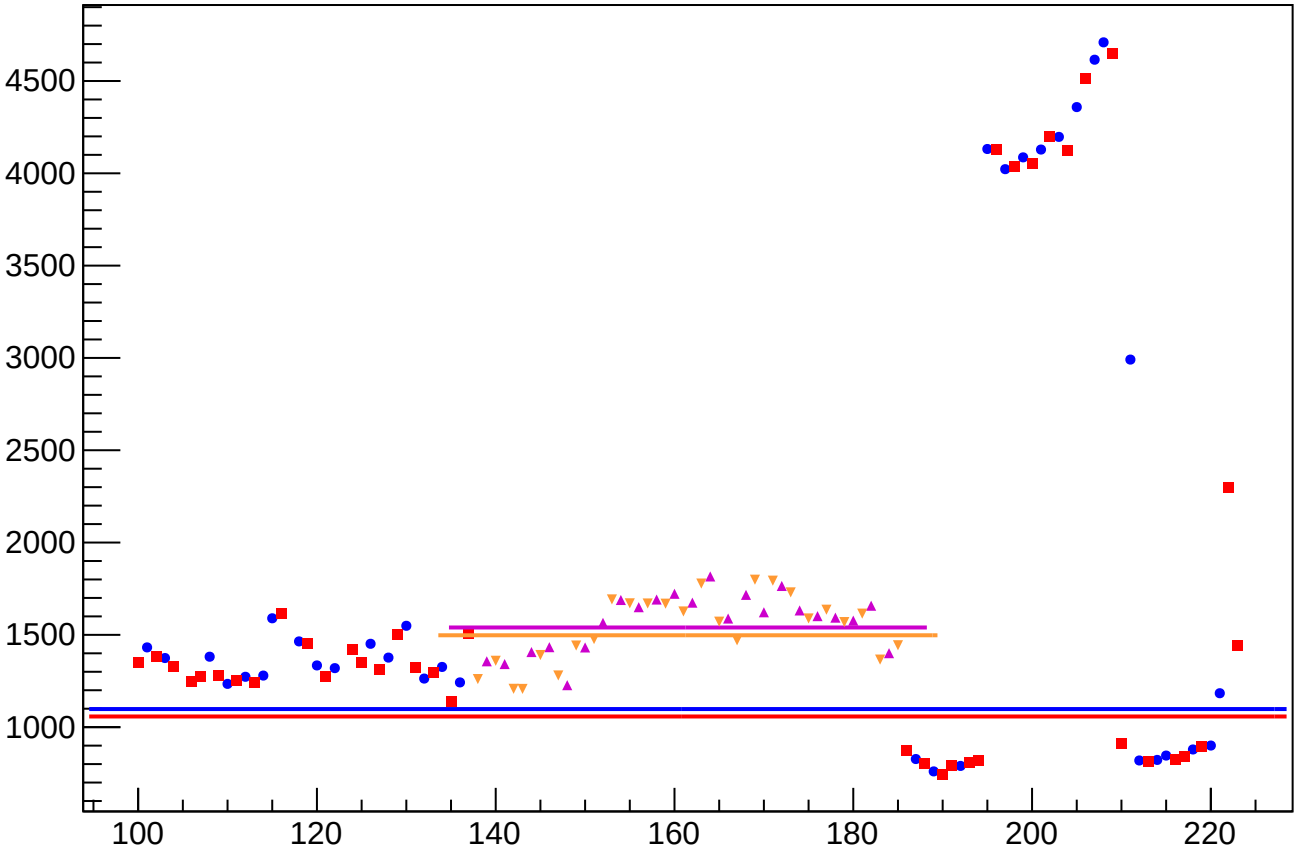
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 0.842+/-0.212 χ^2/NDF: 1966.5/58

All: -0.267+/-0.148 χ^2/NDF: 3139.0/120

- sign -1.313+/-0.206 χ^2/NDF: 1119.2/61

diff_bpm0i07Y_rms vs Slug



Right In: 1098.115+/-0.190 χ^2/NDF: 9945558.4/33

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1057.854+/-0.177 χ^2/NDF: 9321614.0/38

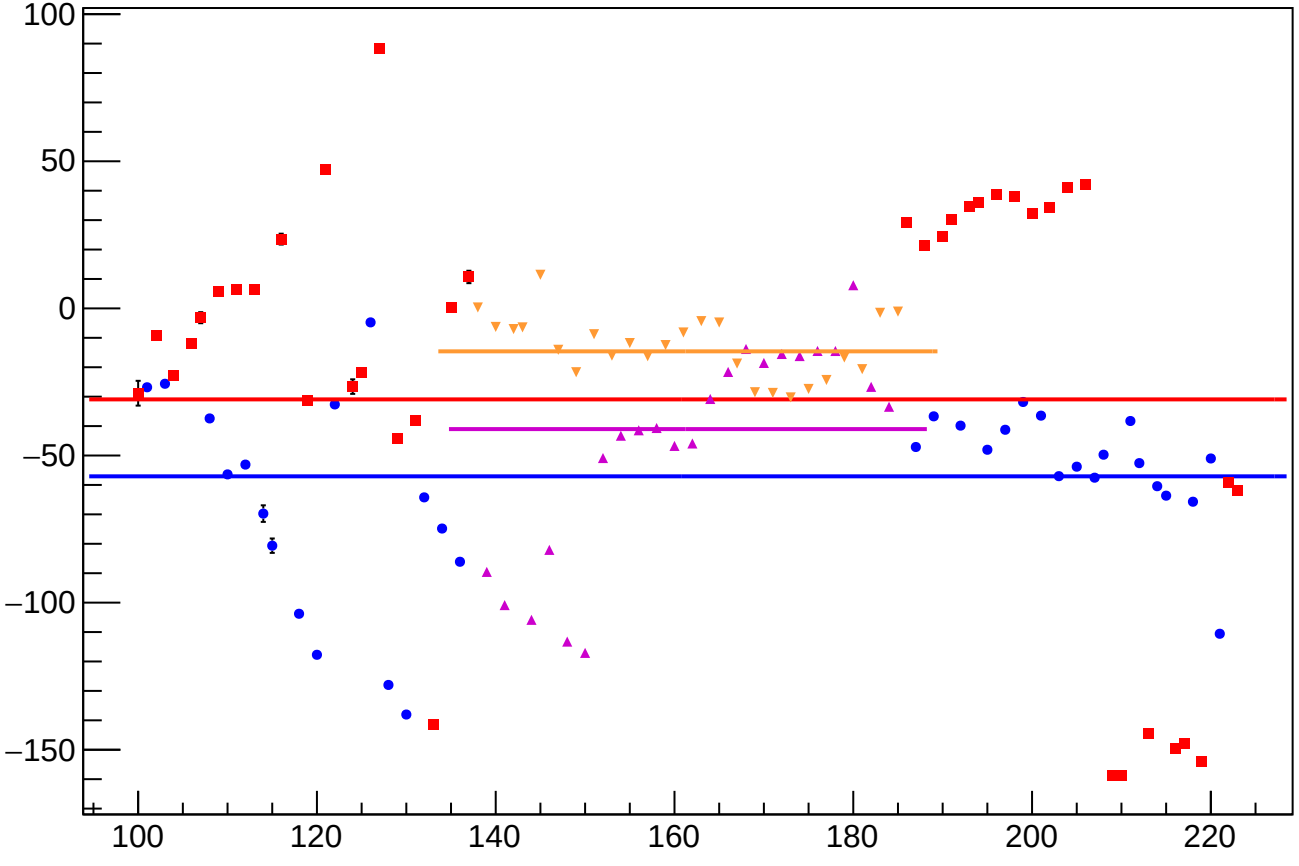
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1250.194+/-0.150 χ^2/NDF: 12190972.3/58

All: 1231.091+/-0.104 χ^2/NDF: 24322836.1/1

- sign 1213.091+/-0.145 χ^2/NDF: 12100290.7/61

diff_bpm1i02X_mean vs Slug



Right In: -57.075+/-0.150 χ^2/NDF: 26121.5/33

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -30.925+/-0.148 χ^2/NDF: 304135.1/38

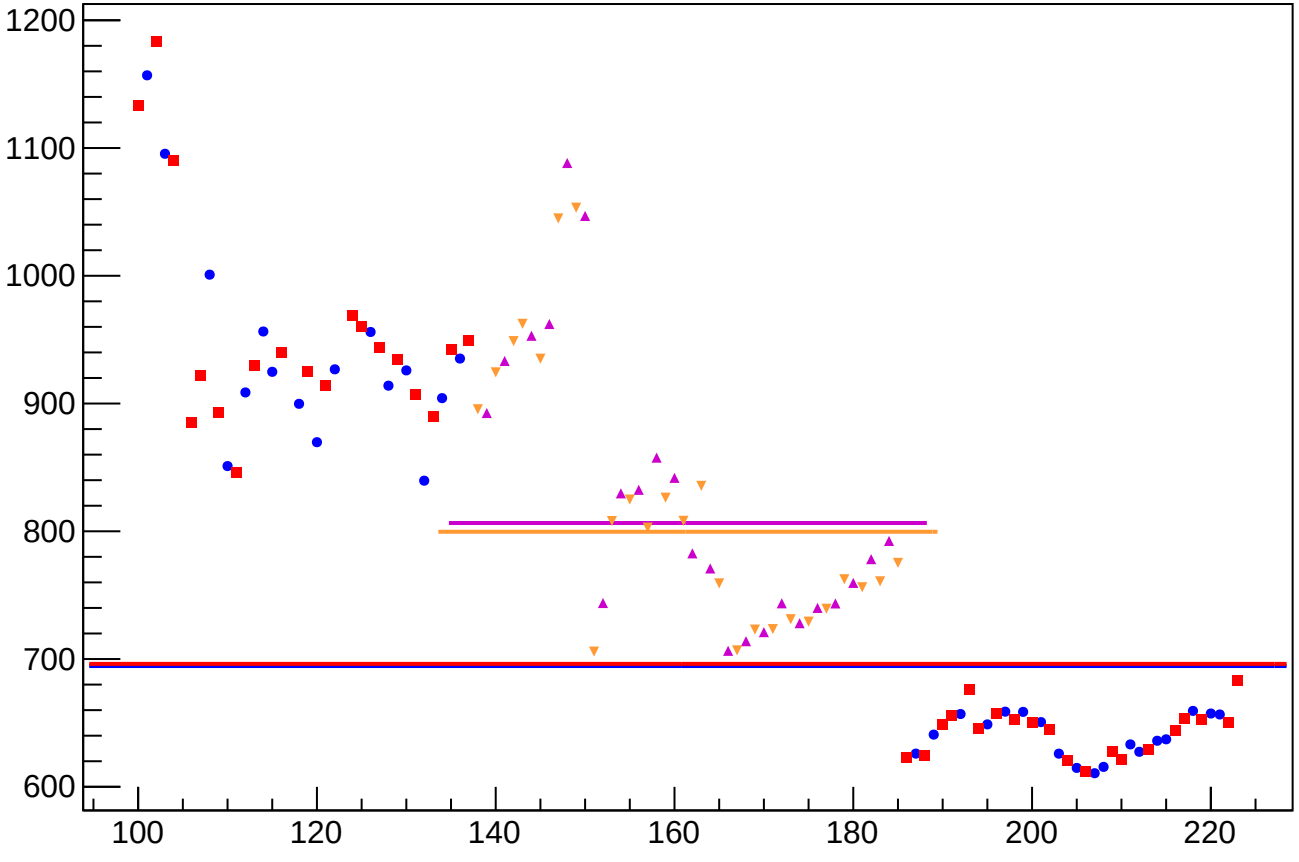
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -40.002+/-0.116 χ^2/NDF: 61523.0/58

All: -37.375+/-0.082 χ^2/NDF: 399518.8/120

- sign -34.727+/-0.116 χ^2/NDF: 336966.0/61

diff_bpm1i02X_rms vs Slug



Right In: 694.525+/-0.106 χ^2/NDF: 1306583.8/33

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 696.211+/-0.104 χ^2/NDF: 1364026.5/38

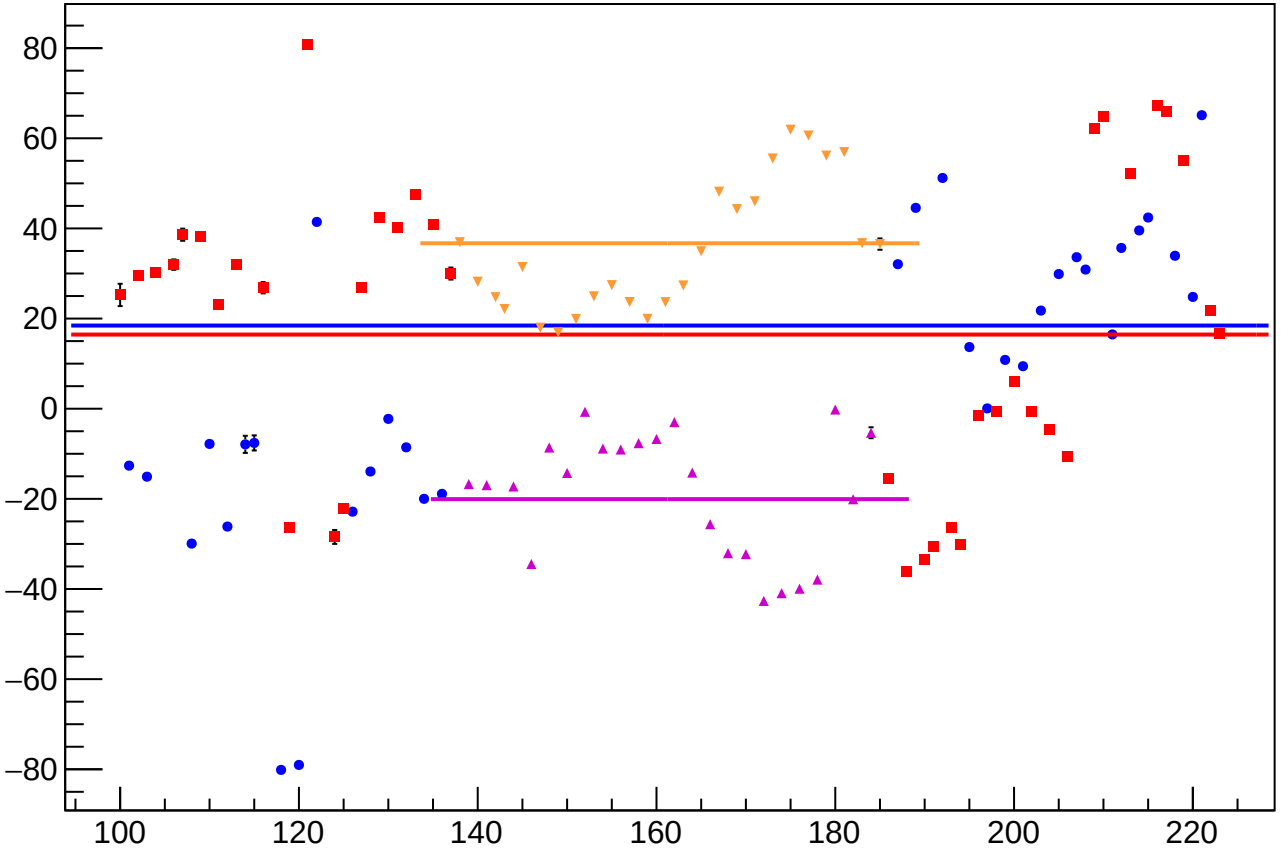
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 736.775+/-0.082 χ^2/NDF: 2198886.3/58

All: 737.254+/-0.058 χ^2/NDF: 4495191.9/120

- sign 737.736+/-0.082 χ^2/NDF: 2296237.2/61

diff_bpm1i02Y_mean vs Slug



Right In: 18.451+/-0.113 χ^2/NDF: 63591.4/33

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 16.452+/-0.110 χ^2/NDF: 99189.2/38

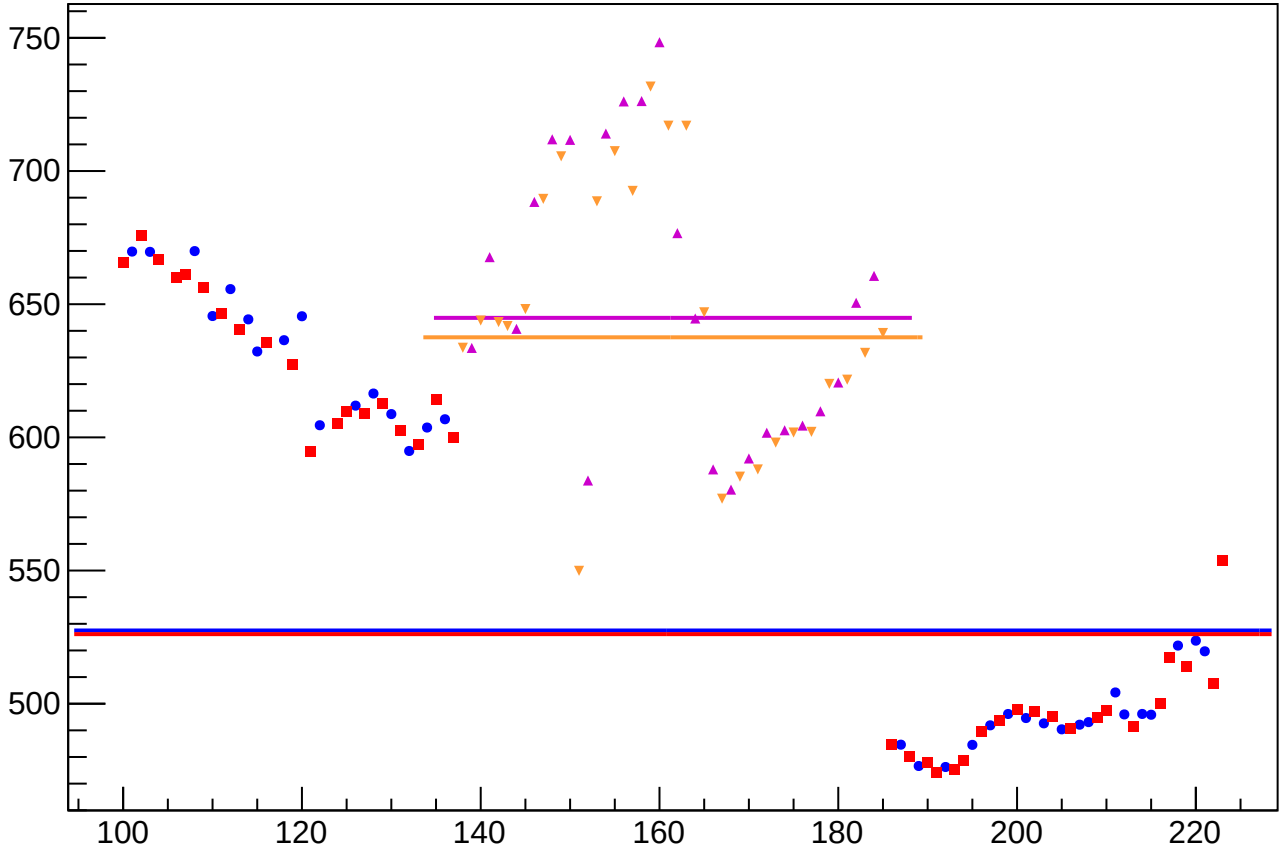
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 25.314+/-0.089 χ^2/NDF: 83653.4/58

All: 14.533+/-0.063 χ^2/NDF: 258670.4/120

- sign 3.744+/-0.089 χ^2/NDF: 145773.2/61

diff_bpm1i02Y_rms vs Slug



Right In: 527.492+/-0.080 χ^2/NDF: 542739.2/33

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 526.124+/-0.078 χ^2/NDF: 580486.9/38

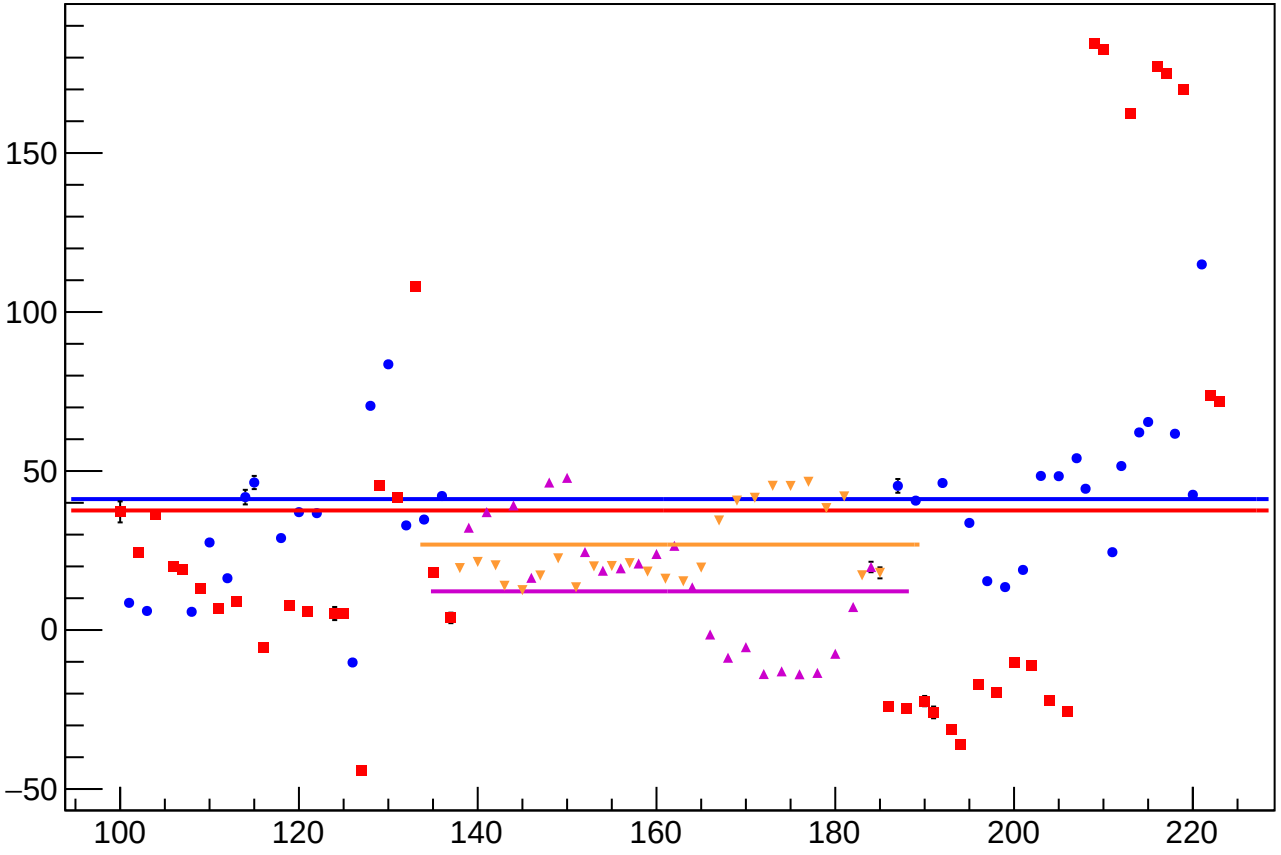
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 568.883+/-0.063 χ^2/NDF: 1494285.9/58

All: 568.164+/-0.045 χ^2/NDF: 3108586.9/120

- sign 567.444+/-0.063 χ^2/NDF: 1614041.0/61

diff_bpm1i04X_mean vs Slug



Right In: 41.172+/-0.187 χ^2/NDF: 17419.9/33

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 37.597+/-0.184 χ^2/NDF: 160816.8/38

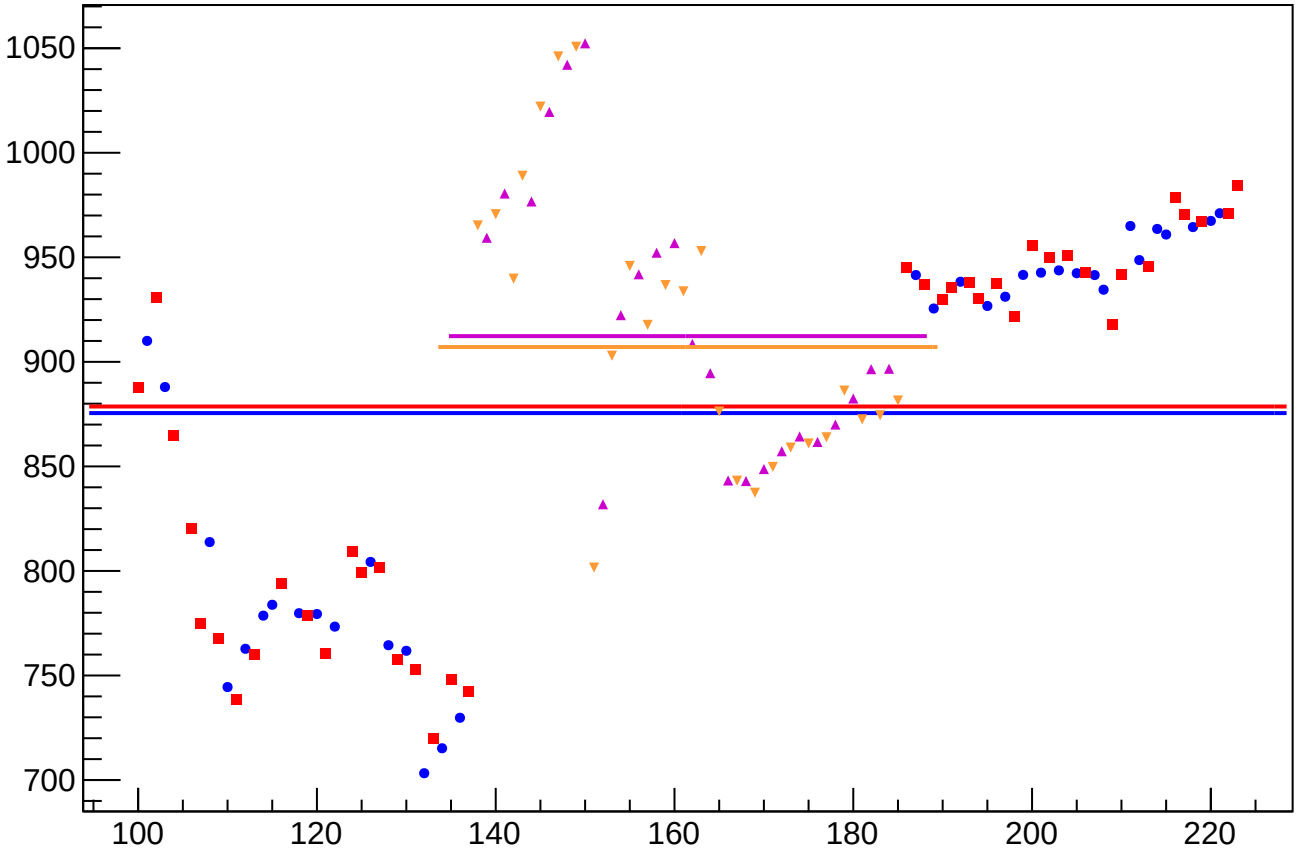
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 34.722+/-0.139 χ^2/NDF: 23441.1/58

All: 30.756+/-0.098 χ^2/NDF: 202573.7/120

- sign 26.747+/-0.140 χ^2/NDF: 177490.7/61

diff_bpm1i04X_rms vs Slug



Right In: 875.498+/-0.132 χ^2/NDF: 493256.5/33

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

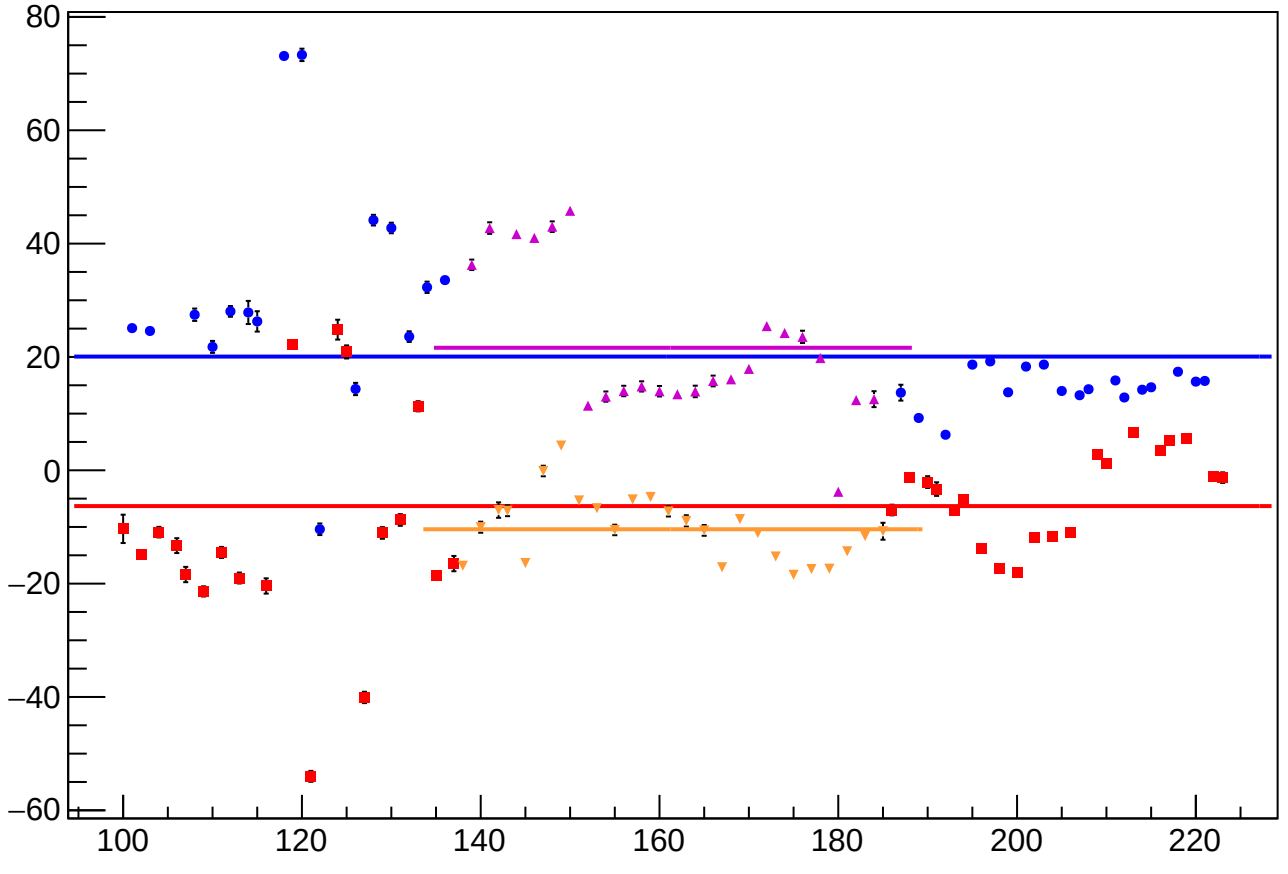
Right Out: 878.647+/-0.130 χ^2/NDF: 463002.2/38

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 889.742+/-0.098 χ^2/NDF: 713522.5/58

All: 891.363+/-0.070 χ^2/NDF: 1380236.1/120

- sign 893.001+/-0.099 χ^2/NDF: 666165.2/61



Right In: 20.066+/-0.131 χ^2/NDF: 10556.8/33

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

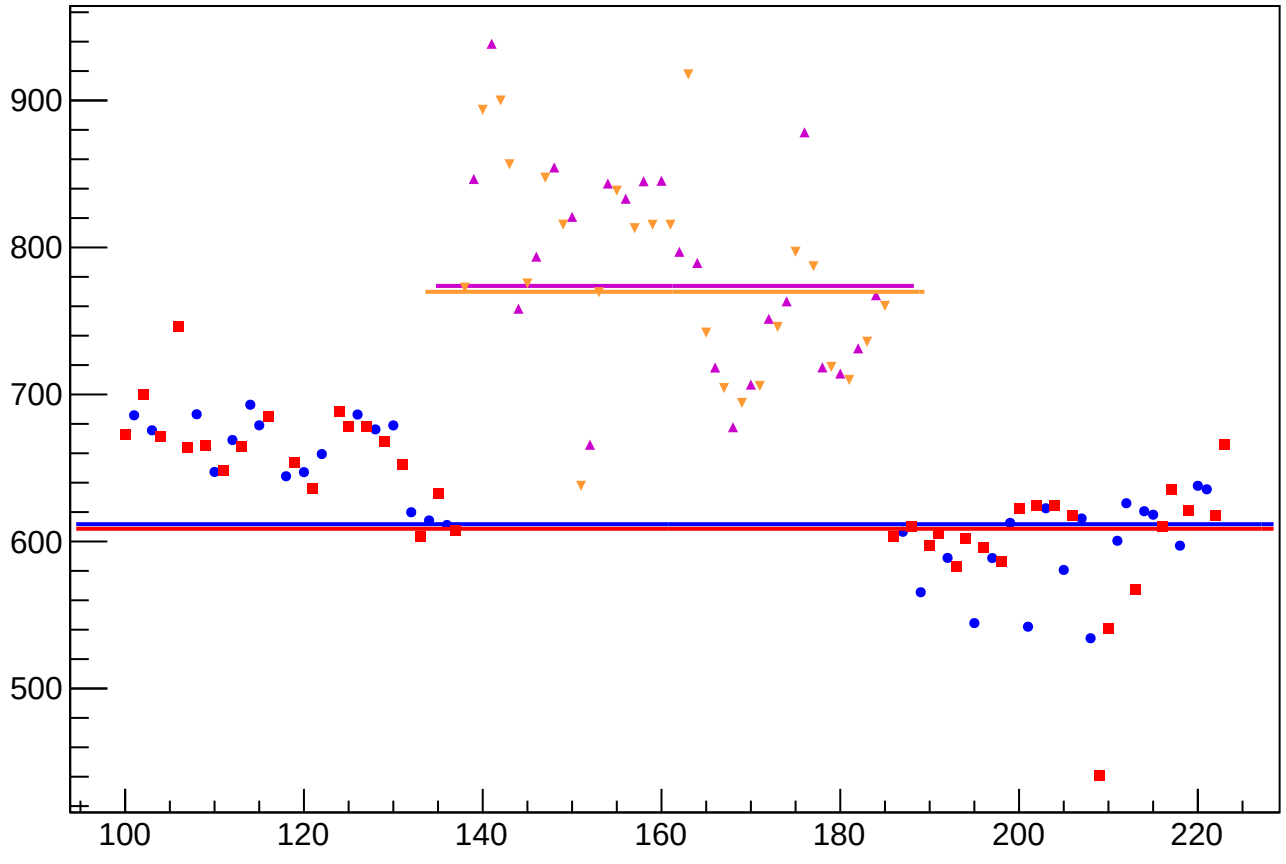
Right Out: -6.318+/-0.128 χ^2/NDF: 10001.9/38

Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

\+ sign 9.222+/-0.105 χ^2/NDF: 30907.9/58

All: 6.057+/-0.074 χ^2/NDF: 63750.4/120

\- sign 2.916+/-0.105 χ^2/NDF: 31031.9/61



Right In: 611.767+/-0.093 χ^2/NDF: 203882.3/33

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 608.645+/-0.090 χ^2/NDF: 421984.2/38

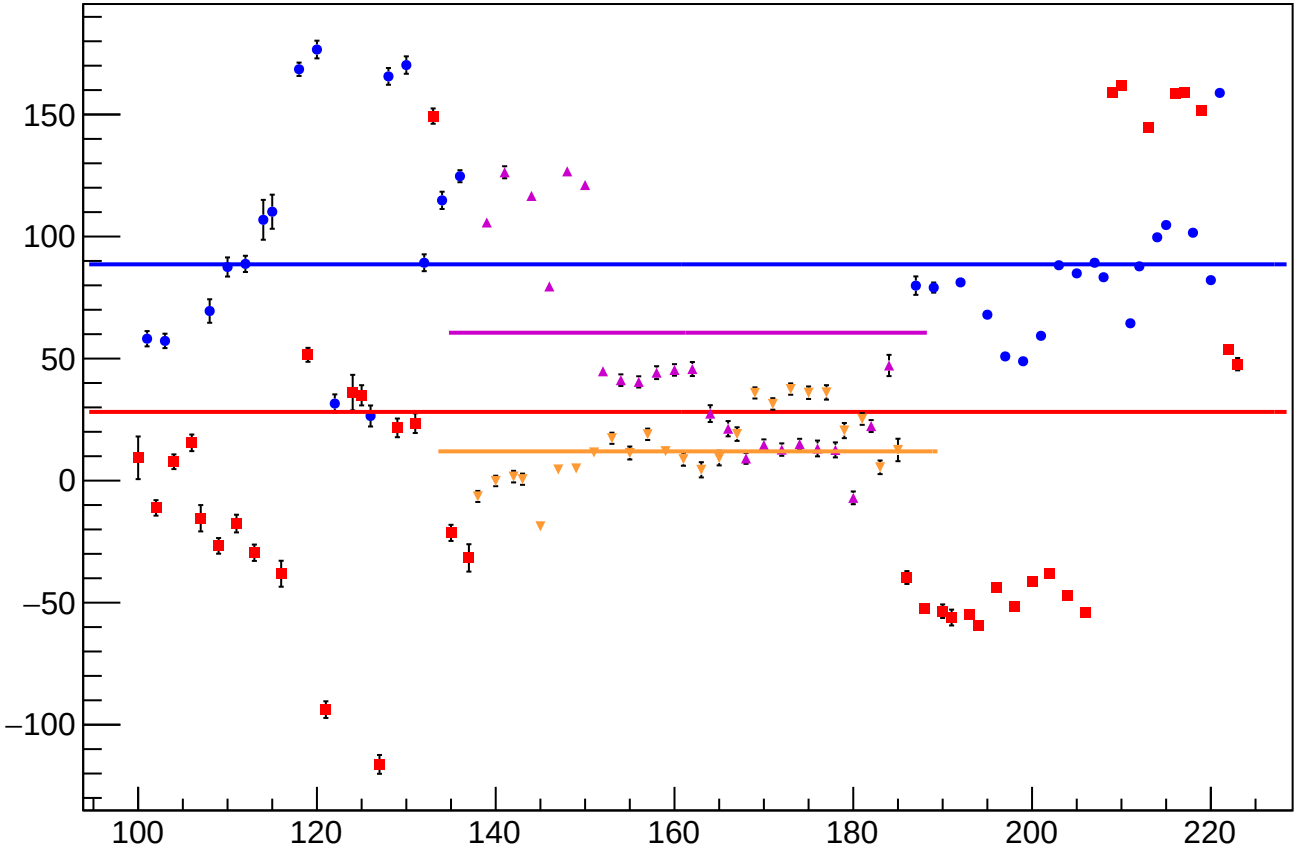
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

\+ sign 668.024+/-0.074 χ^2/NDF: 1547715.4/58

All: 665.624+/-0.052 χ^2/NDF: 3358613.7/120

\- sign 663.243+/-0.074 χ^2/NDF: 1808816.3/61

diff_bpm1i06X_mean vs Slug



Right In: 88.613+/-0.388 χ^2/NDF: 6771.8/33

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 28.149+/-0.376 χ^2/NDF: 60169.1/38

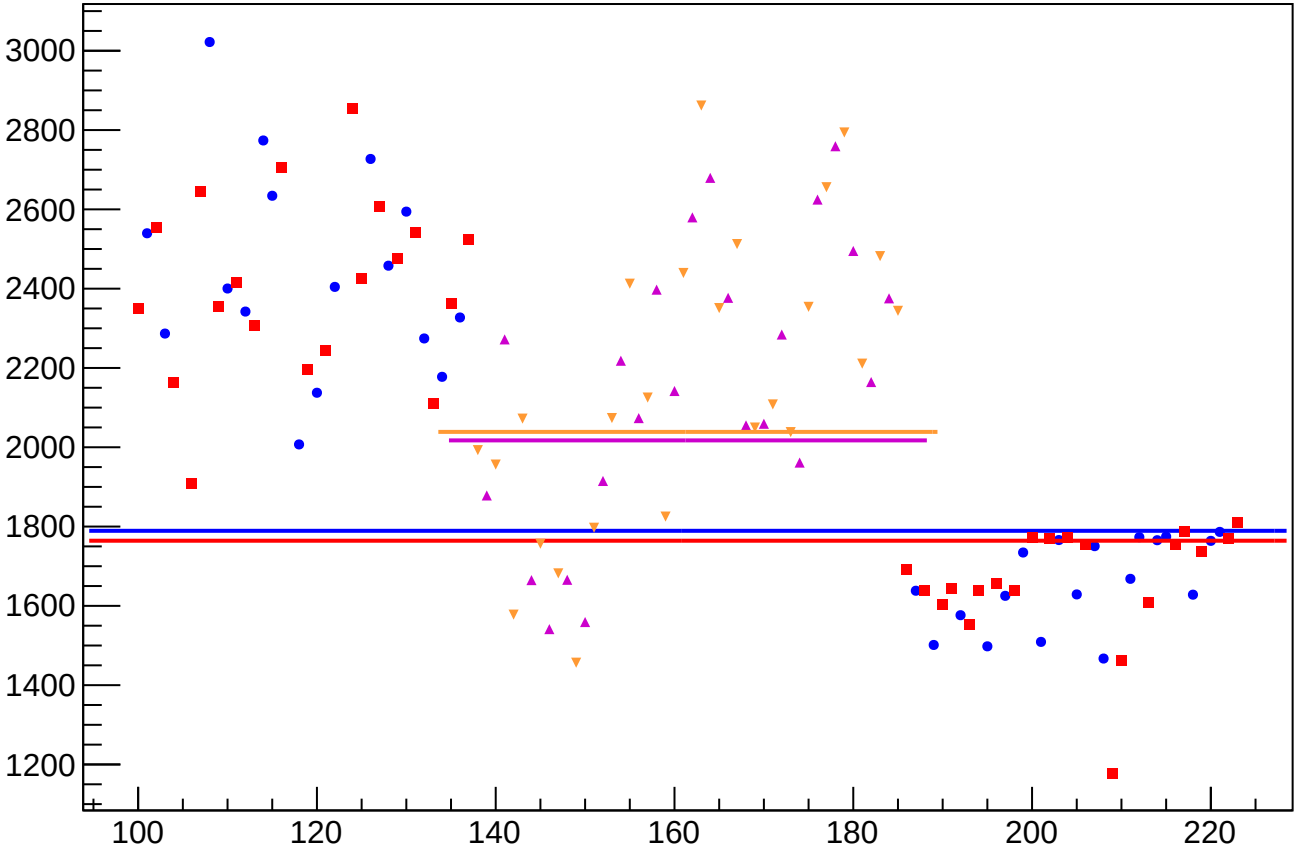
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 57.650+/-0.300 χ^2/NDF: 23453.9/58

All: 48.954+/-0.211 χ^2/NDF: 96749.8/120

- sign 40.461+/-0.296 χ^2/NDF: 71632.4/61

diff_bpm1i06X_rms vs Slug



Right In: 1789.294+/-0.275 χ^2/NDF: 1317562.0/33

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1764.290+/-0.266 χ^2/NDF: 1599444.4/38

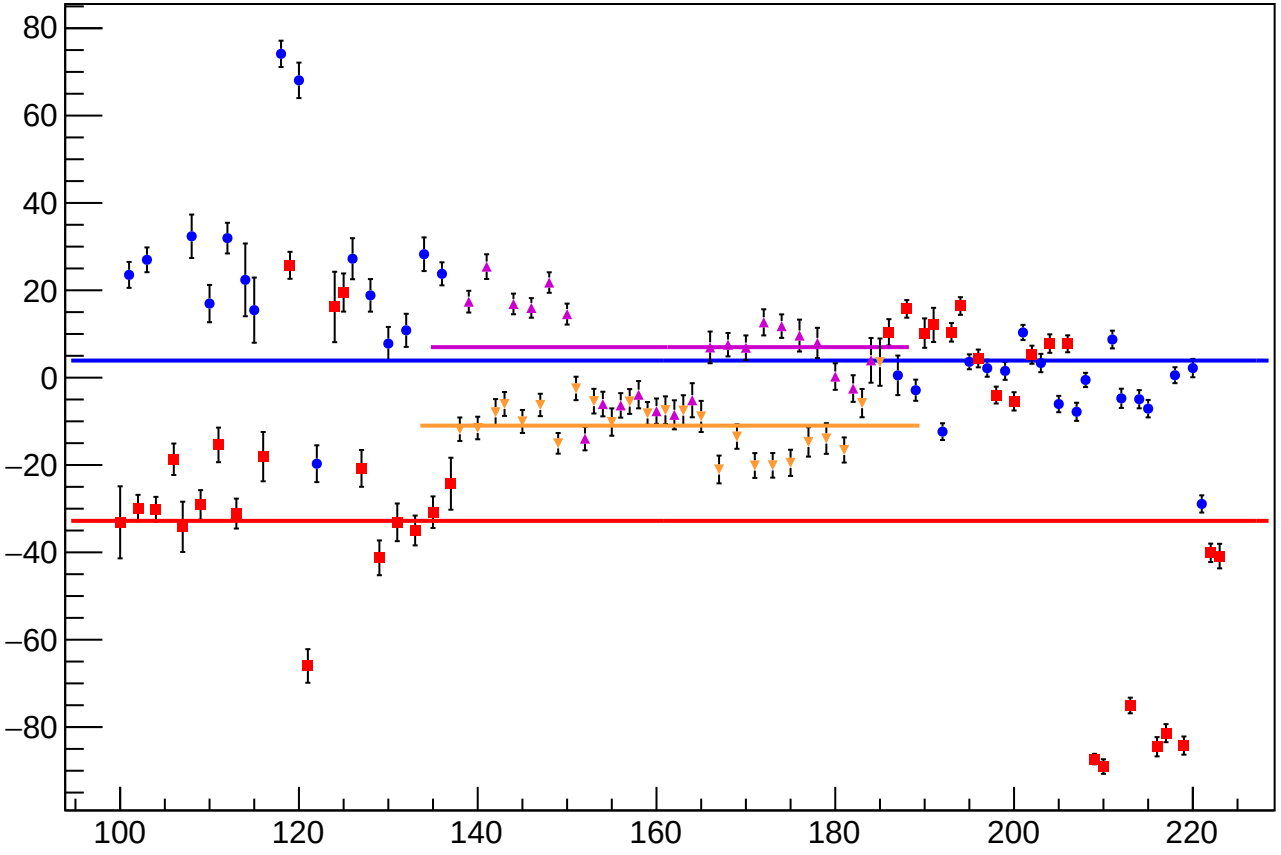
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1890.110+/-0.212 χ^2/NDF: 2774715.9/58

All: 1875.030+/-0.149 χ^2/NDF: 5777821.8/12

- sign 1860.301+/-0.209 χ^2/NDF: 2993099.4/61

diff_bpm1i06Y_mean vs Slug



Right In: 3.913+/-0.421 χ^2/NDF: 1702.3/33

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

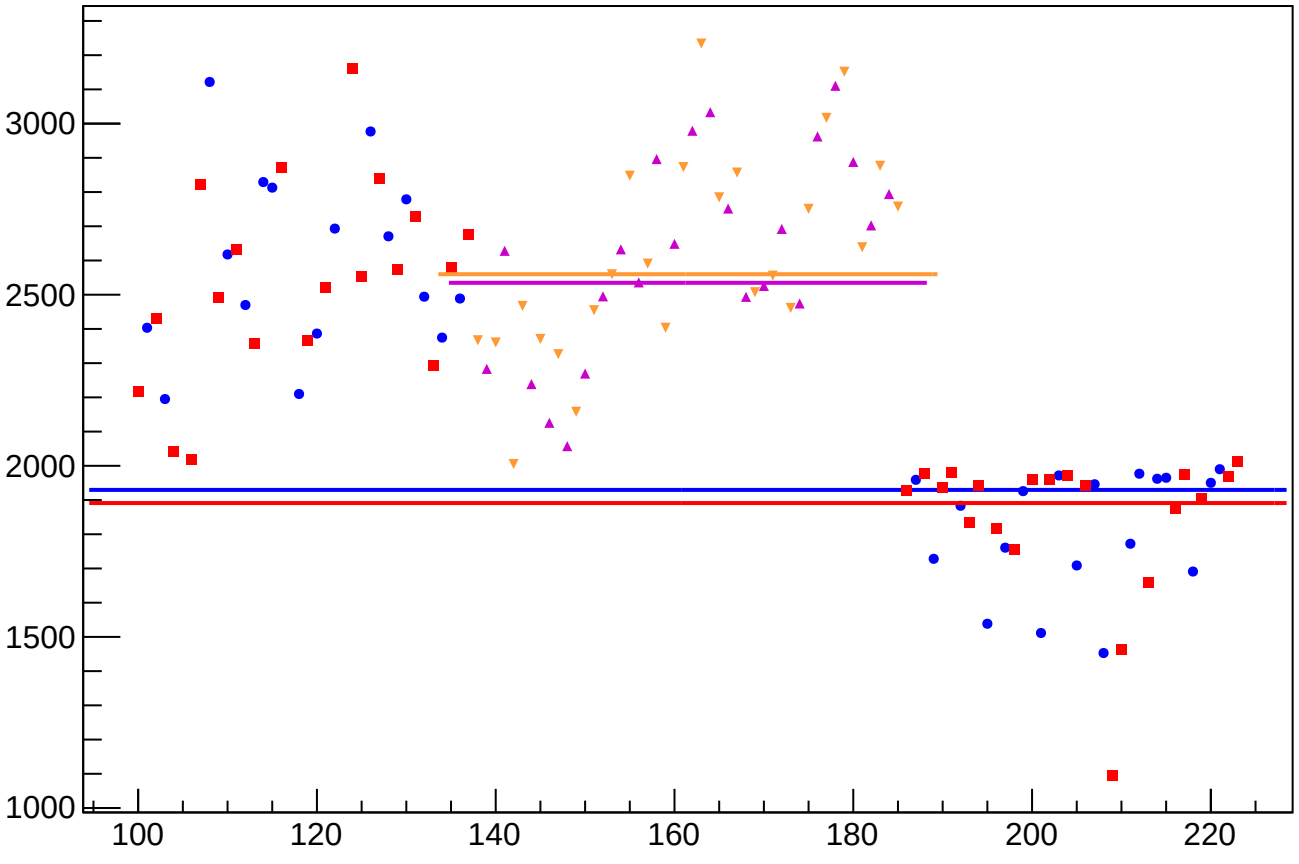
Right Out: -32.786+/-0.406 χ^2/NDF: 10142.8/38

Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -1.162+/-0.342 χ^2/NDF: 2216.2/58

All: -10.862+/-0.240 χ^2/NDF: 17304.0/120

- sign -20.238+/-0.336 χ^2/NDF: 13505.1/61



Right In: 1929.627+/-0.298 χ^2/NDF: 1380770.2/33

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

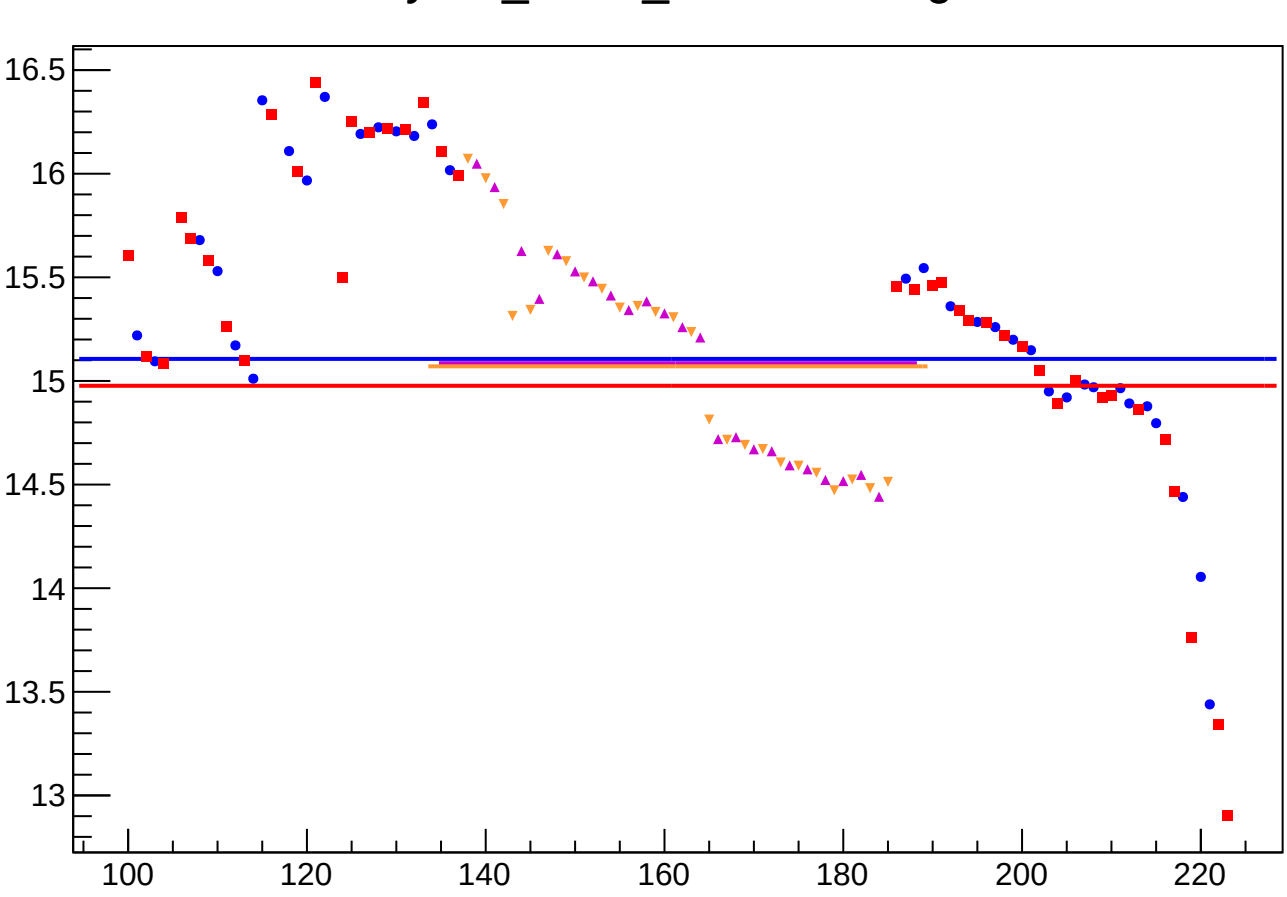
Right Out: 1891.211+/-0.287 χ^2/NDF: 2016925.6/38

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2144.313+/-0.242 χ^2/NDF: 3357259.5/58

All: 2118.863+/-0.170 χ^2/NDF: 7442707.5/12

- sign 2094.266+/-0.238 χ^2/NDF: 4063660.0/61



Right In: 15.106+/-0.000 χ^2/NDF: 73634712459.3/33

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 14.977+/-0.000 χ^2/NDF: 98846420051.6/38

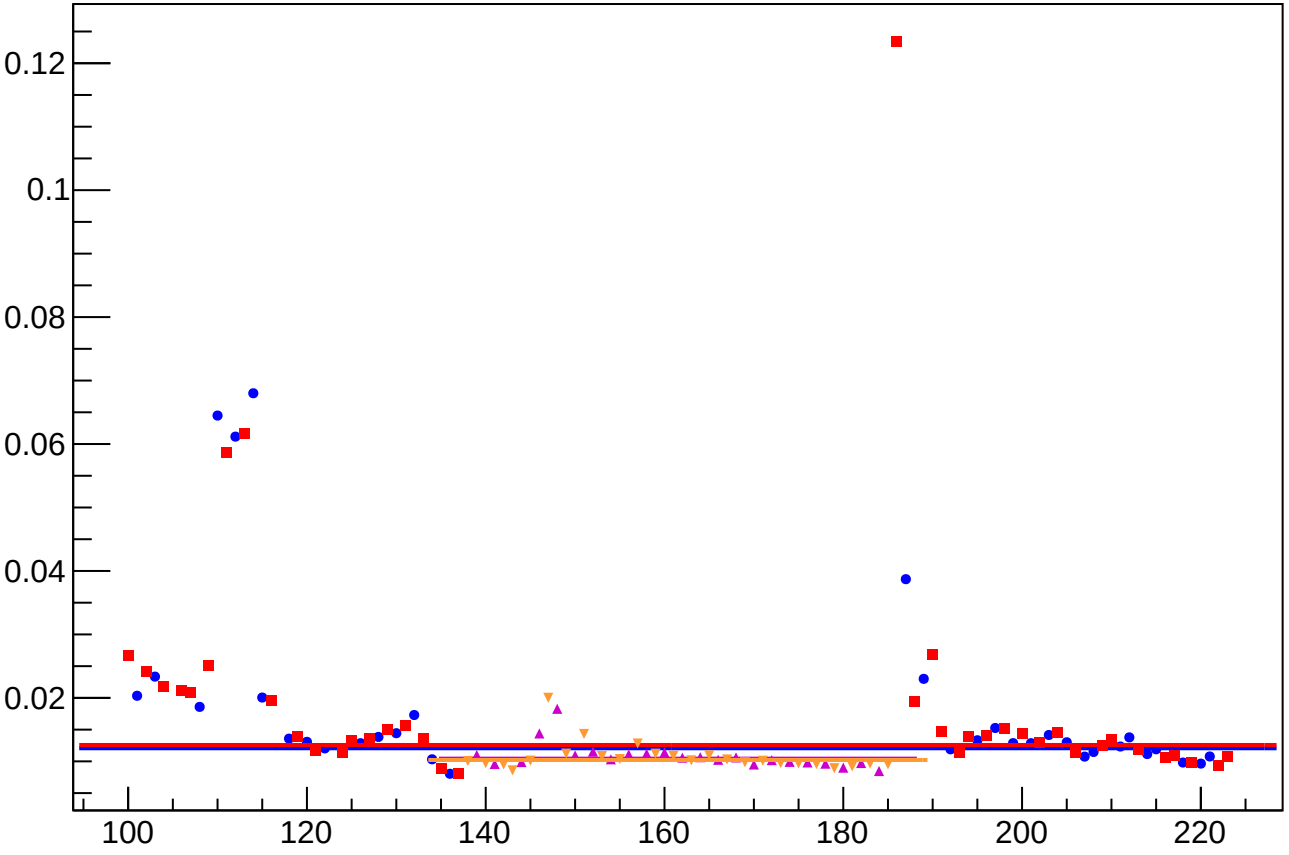
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.086+/-0.000 χ^2/NDF: 117450285611.2/58

All: 15.063+/-0.000 χ^2/NDF: 256971962938.

- sign 15.038+/-0.000 χ^2/NDF: 139178865107.5/61

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3153854.6/33

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3997675.2/38

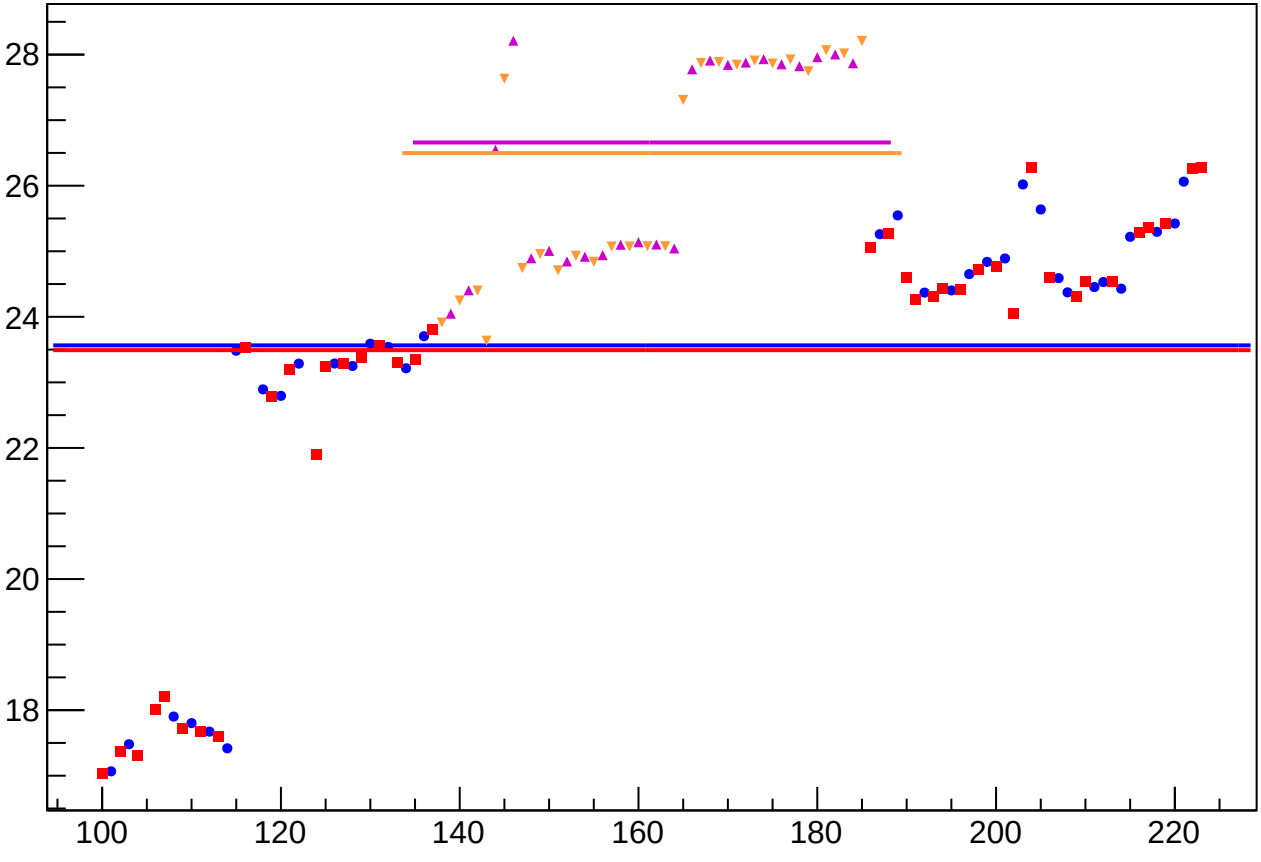
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4427076.6/58

All: 0.011+/-0.000 χ^2/NDF: 9706168.5/120

- sign 0.011+/-0.000 χ^2/NDF: 5240880.2/61

yield_sam2_mean vs Slug



Right In: 23.564+/-0.000 χ^2/NDF: 1949863081.0/33

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.491+/-0.000 χ^2/NDF: 2176254915.5/38

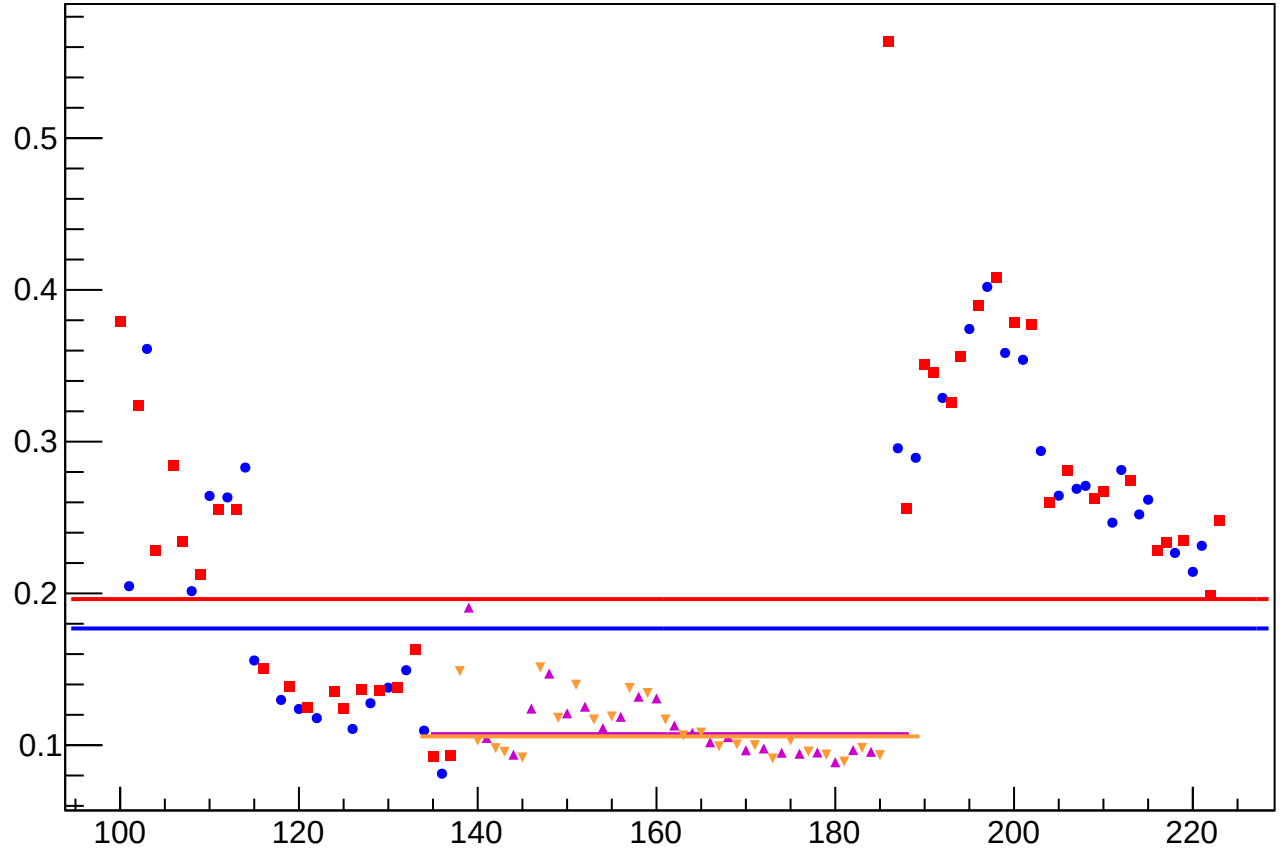
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.722+/-0.000 χ^2/NDF: 9231988301.8/58

All: 25.782+/-0.000 χ^2/NDF: 17812137121.5

- sign 25.847+/-0.000 χ^2/NDF: 8565270358.6/61

yield_sam2_rms vs Slug



Right In: 0.177+/-0.000 χ^2/NDF: 7852281.9/33

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.196+/-0.000 χ^2/NDF: 6844869.9/38

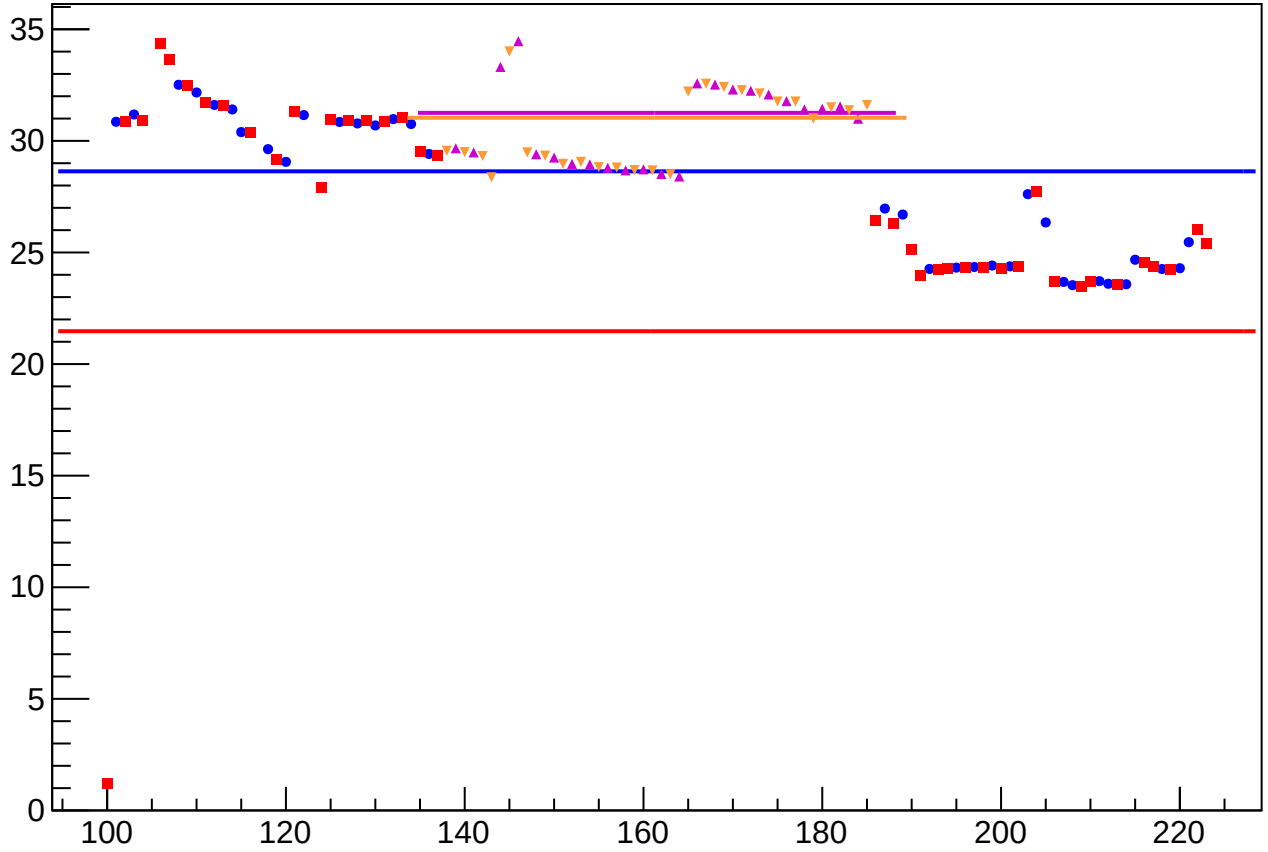
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.125+/-0.000 χ^2/NDF: 12573329.8/58

All: 0.127+/-0.000 χ^2/NDF: 25861912.5/120

- sign 0.130+/-0.000 χ^2/NDF: 13230411.3/61

yield_sam3_mean vs Slug



Right In: 28.636+/-0.000 χ^2/NDF: 10052715081.7/33

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.471+/-0.000 χ^2/NDF: 228216174770.4/38

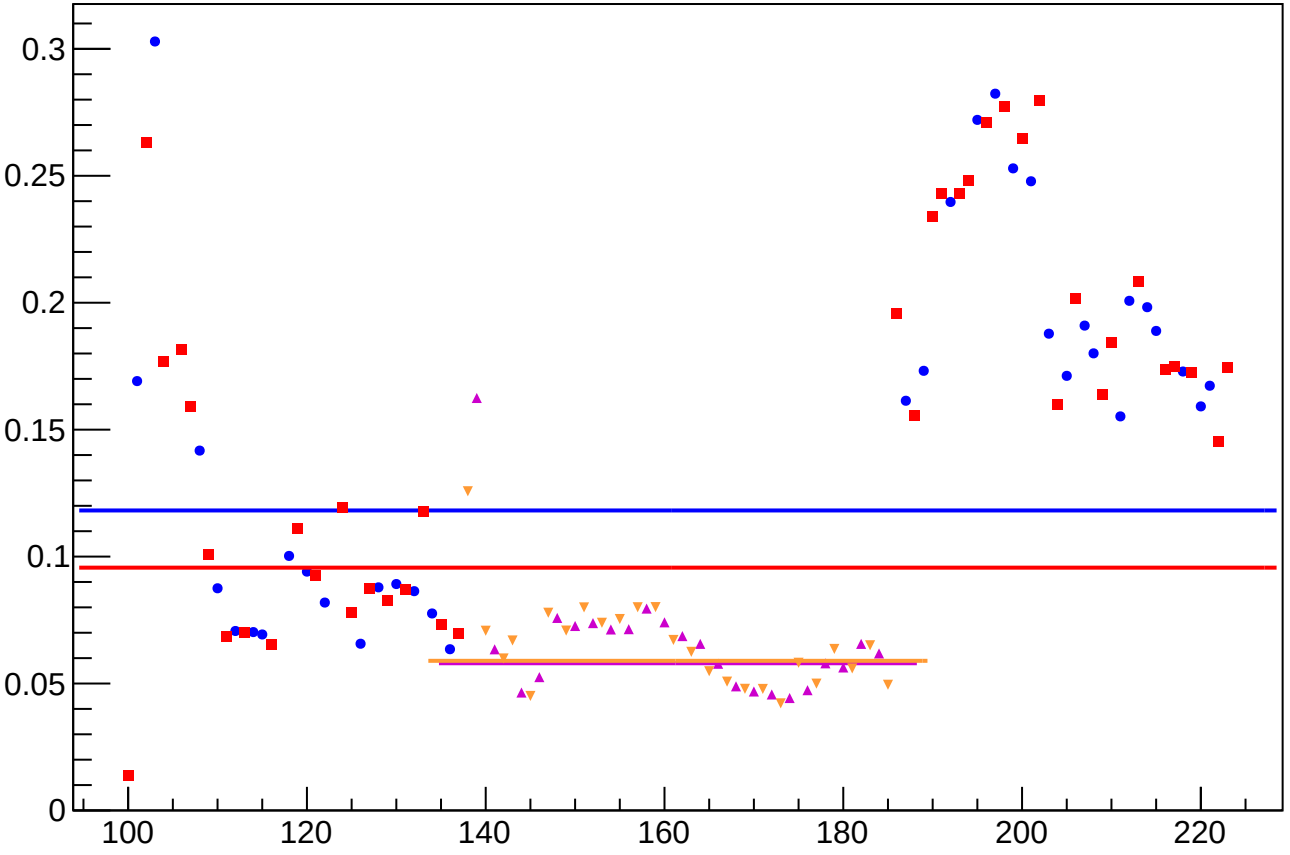
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.524+/-0.000 χ^2/NDF: 27200401381.0/58

All: 29.581+/-0.000 χ^2/NDF: 382115265387.

- sign 28.666+/-0.000 χ^2/NDF: 345375068925.6/61

yield_sam3_rms vs Slug



Right In: 0.118+/-0.000 χ^2/NDF: 8042637.7/33

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.096+/-0.000 χ^2/NDF: 14894945.8/38

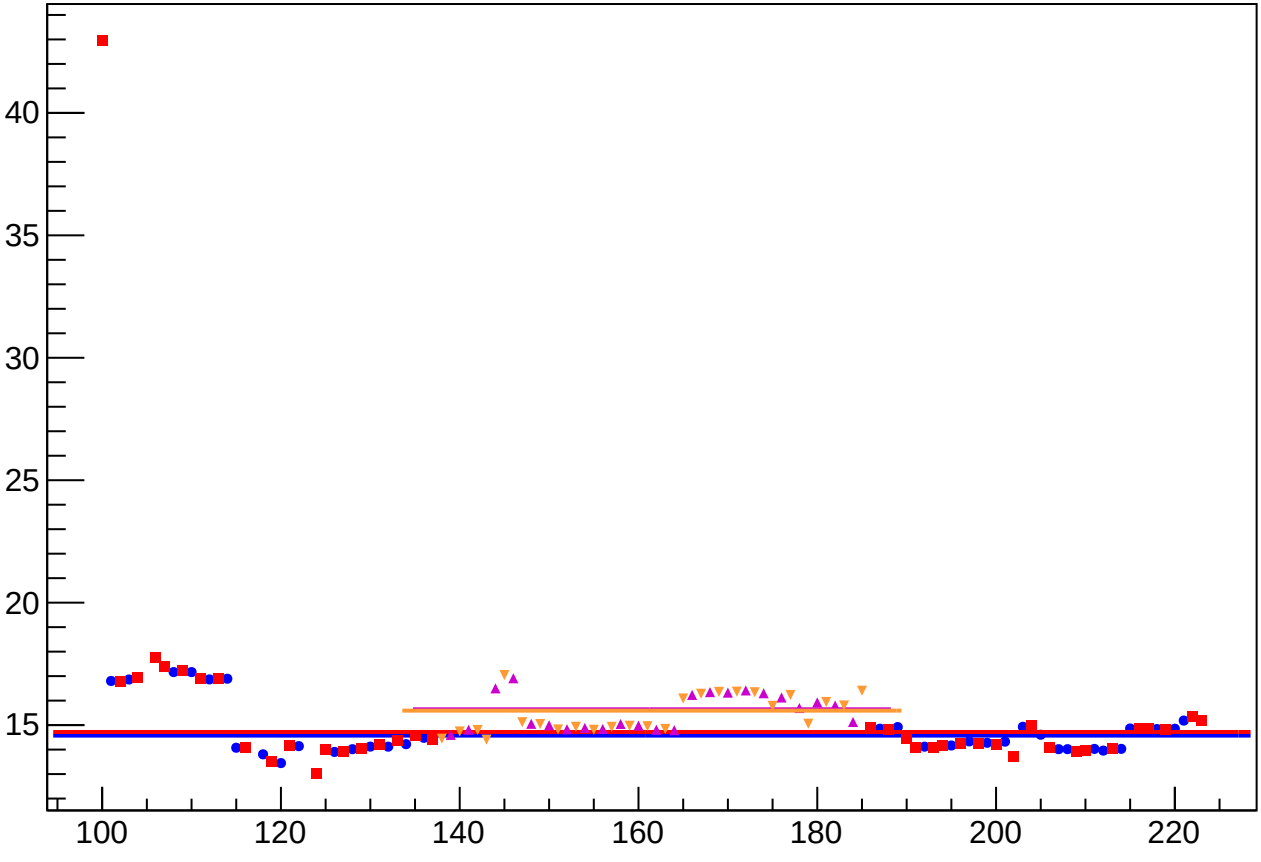
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.072+/-0.000 χ^2/NDF: 15978137.2/58

All: 0.070+/-0.000 χ^2/NDF: 35759151.2/120

- sign 0.068+/-0.000 χ^2/NDF: 19709279.0/61

yield_sam4_mean vs Slug



Right In: 14.572+/-0.000 χ^2/NDF: 1292102815.4/33

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.719+/-0.000 χ^2/NDF: 1894824210.8/38

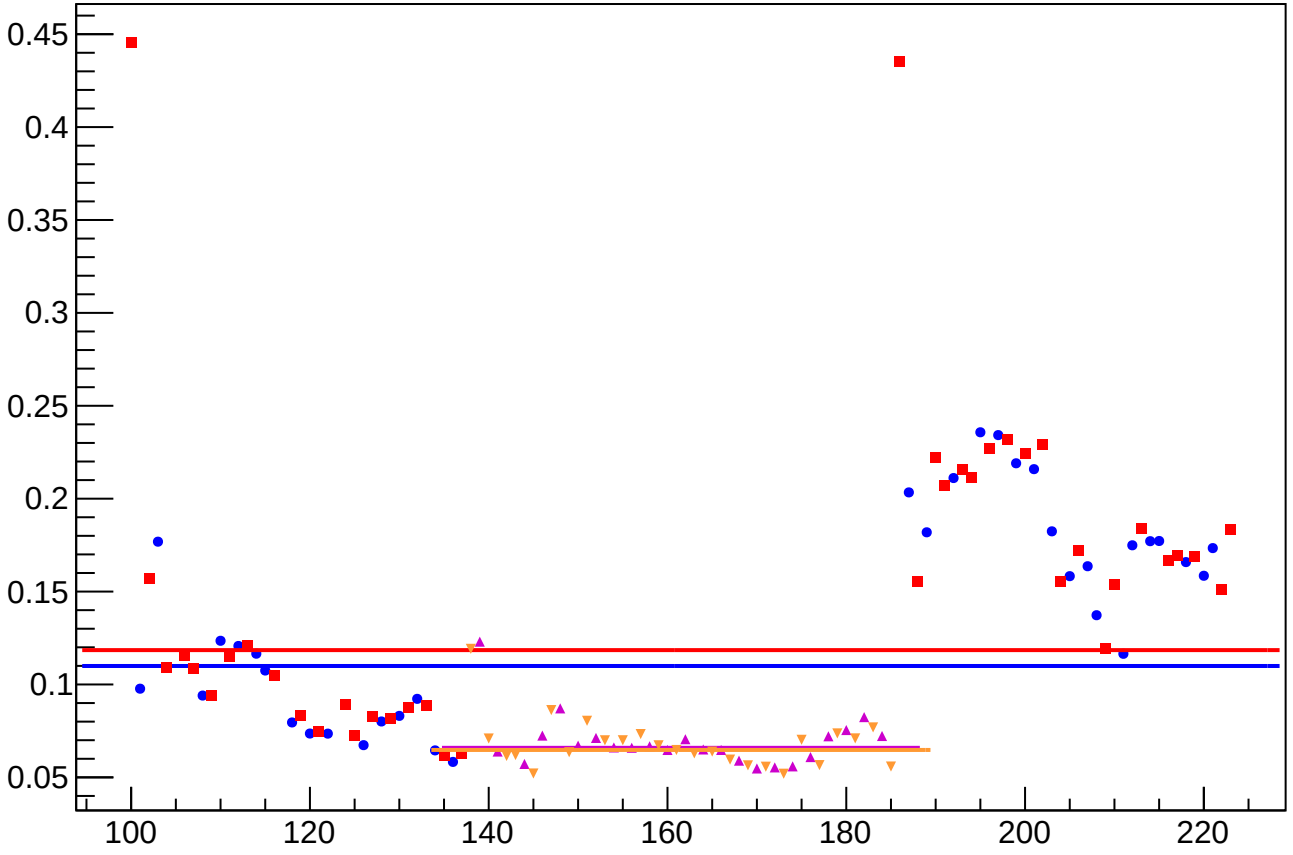
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.320+/-0.000 χ^2/NDF: 4630502028.3/58

All: 15.357+/-0.000 χ^2/NDF: 9215067285.6/1

- sign 15.399+/-0.000 χ^2/NDF: 4568829668.9/61

yield_sam4_rms vs Slug



Right In: 0.110+/-0.000 χ^2/NDF: 7155031.7/33

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.118+/-0.000 χ^2/NDF: 6645760.3/38

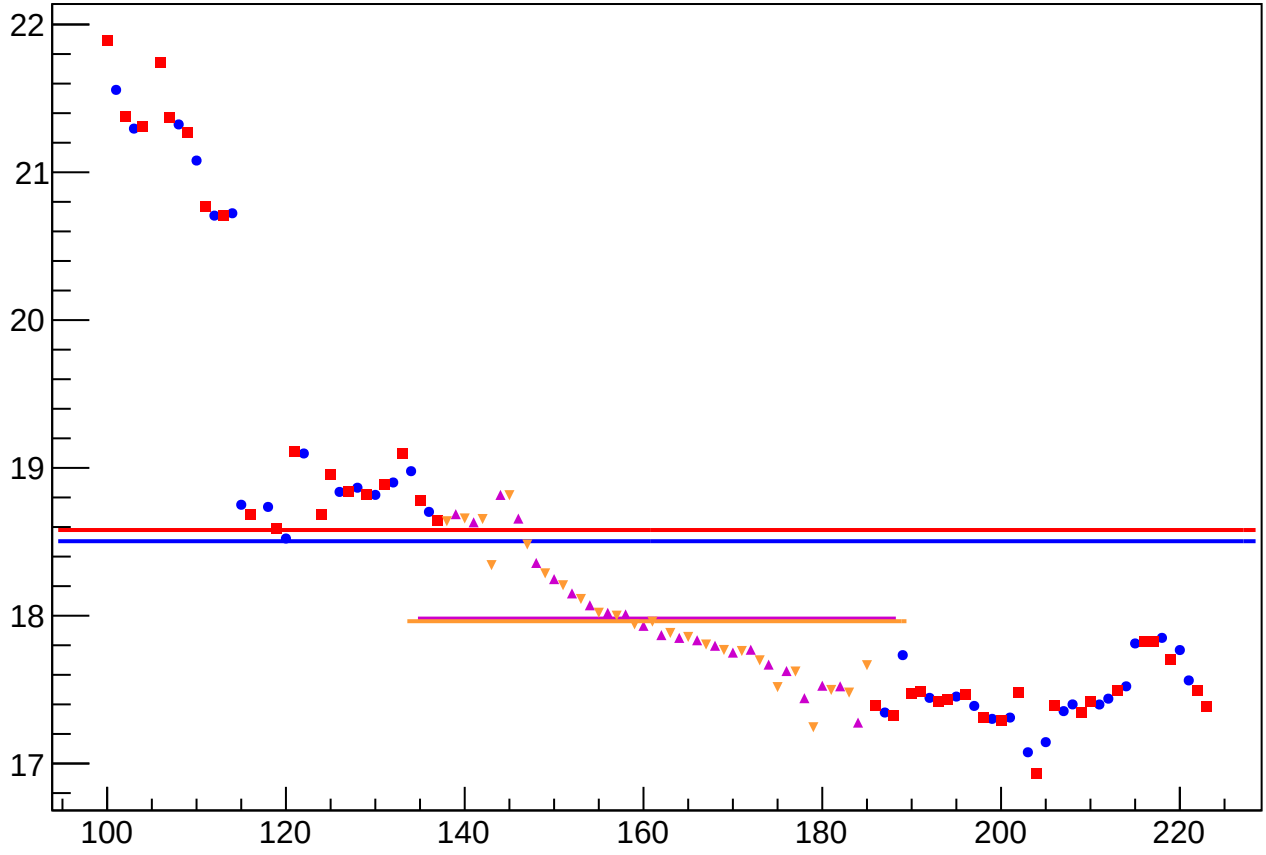
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.077+/-0.000 χ^2/NDF: 12258077.5/58

All: 0.078+/-0.000 χ^2/NDF: 25008031.3/120

- sign 0.080+/-0.000 χ^2/NDF: 12700897.2/61

yield_sam5_mean vs Slug



Right In: 18.504+/-0.000 χ^2/NDF: 36226544638.4/33

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.580+/-0.000 χ^2/NDF: 39416335836.5/38

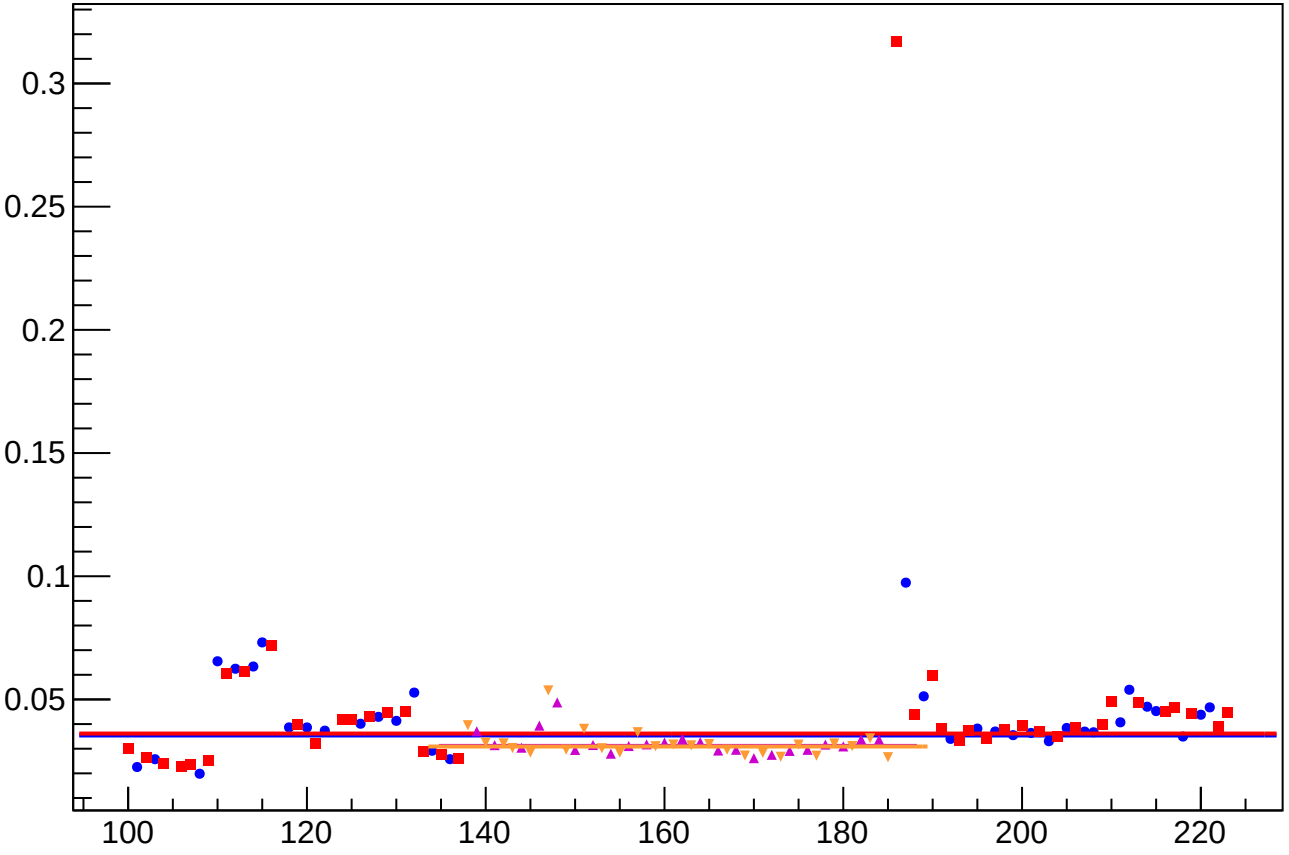
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.206+/-0.000 χ^2/NDF: 41791286581.6/58

All: 18.232+/-0.000 χ^2/NDF: 86955070871.2

- sign 18.259+/-0.000 χ^2/NDF: 45116039293.2/61

yield_sam5_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF: 2648908.7/33

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.036+/-0.000 χ^2/NDF: 2854989.8/38

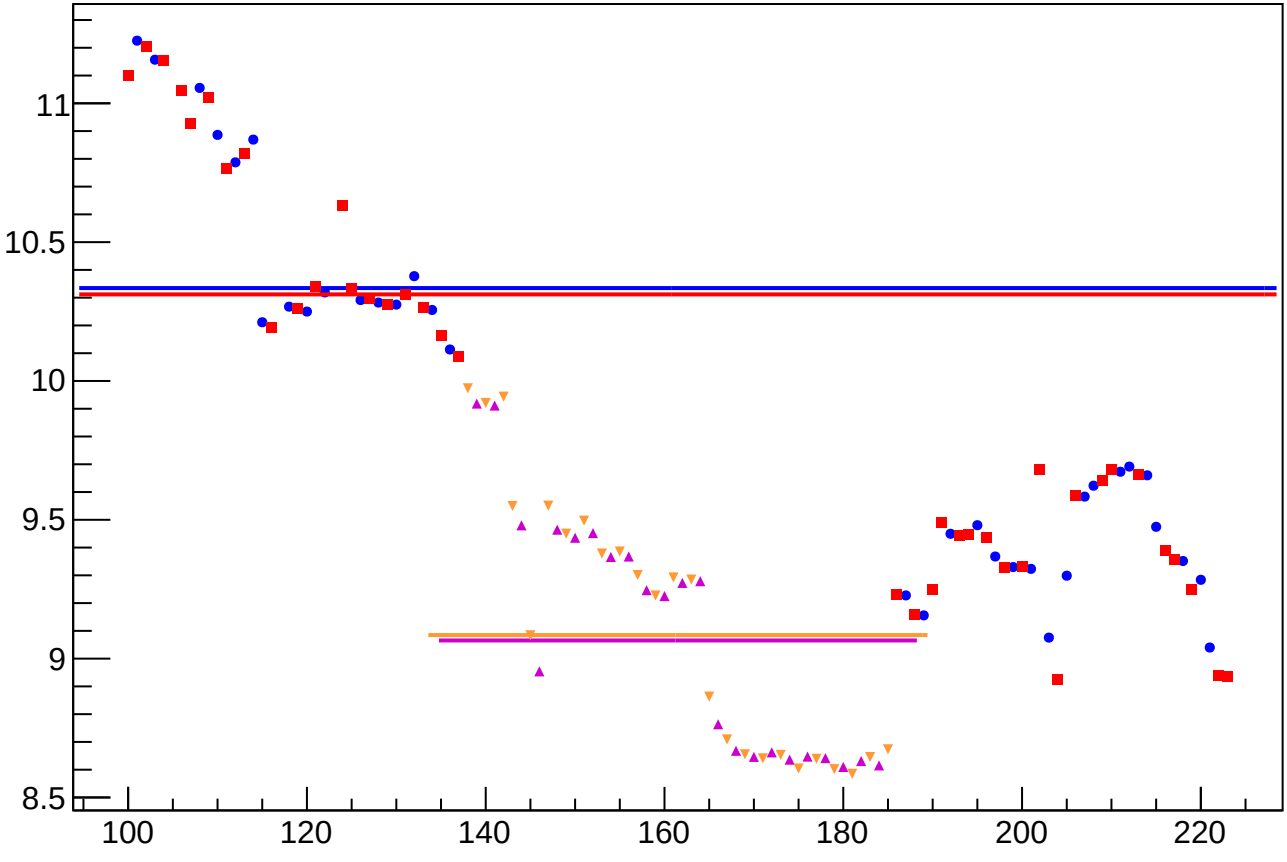
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.033+/-0.000 χ^2/NDF: 3628032.3/58

All: 0.033+/-0.000 χ^2/NDF: 7394268.8/120

- sign 0.033+/-0.000 χ^2/NDF: 3755374.9/61

yield_sam6_mean vs Slug



Right In: 10.335+/-0.000 χ^2/NDF: 20977197311.8/33

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.312+/-0.000 χ^2/NDF: 20819028421.6/38

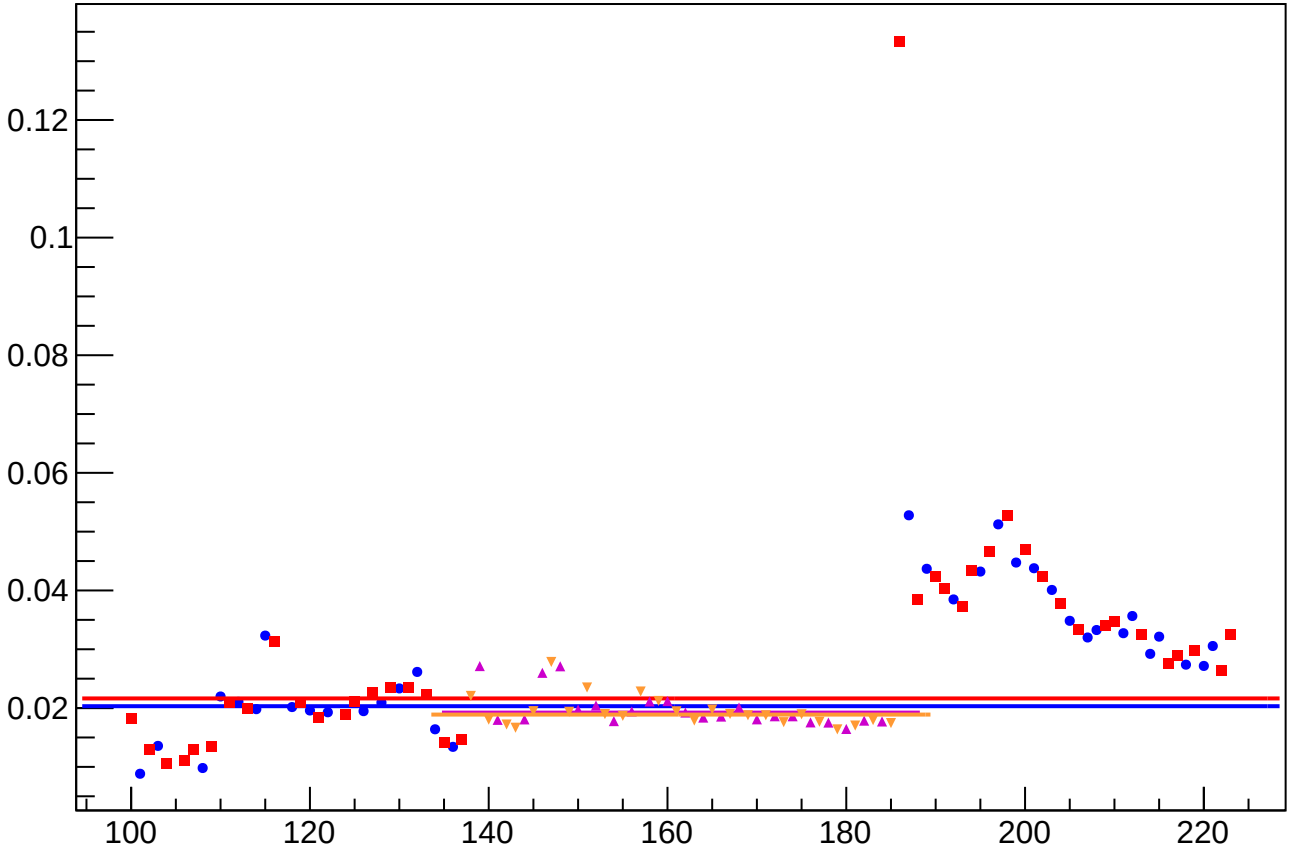
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.641+/-0.000 χ^2/NDF: 65455074847.0/58

All: 9.637+/-0.000 χ^2/NDF: 125946428478.8

- sign 9.632+/-0.000 χ^2/NDF: 60487229279.8/61

yield_sam6_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 8898200.1/33

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.022+/-0.000 χ^2/NDF: 8449245.6/38

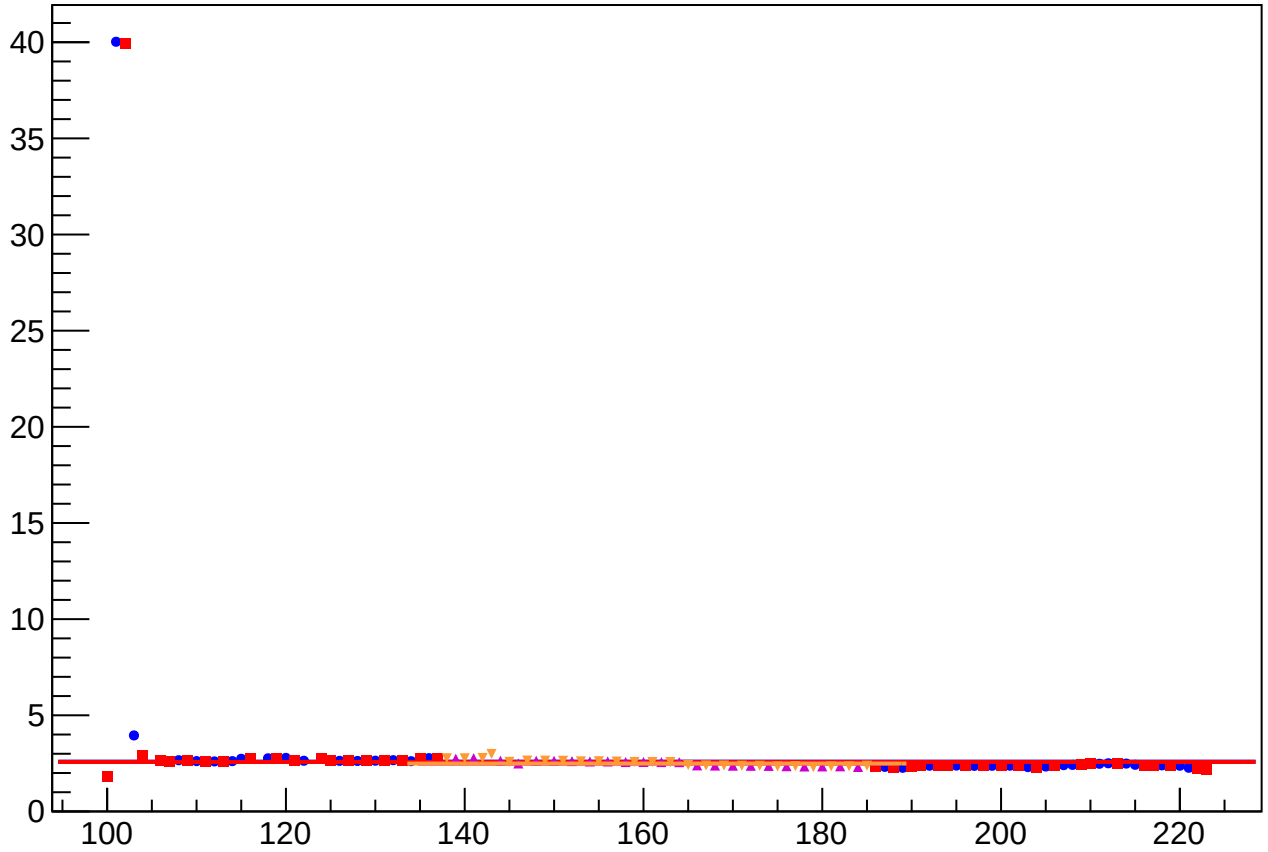
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.020+/-0.000 χ^2/NDF: 9428617.8/58

All: 0.020+/-0.000 χ^2/NDF: 18708709.8/120

- sign 0.020+/-0.000 χ^2/NDF: 9225983.5/61

yield_sam7_mean vs Slug



Right In: 2.591+/-0.000 χ^2/NDF: 99554677884.9/33

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.573+/-0.000 χ^2/NDF: 103391603737.9/38

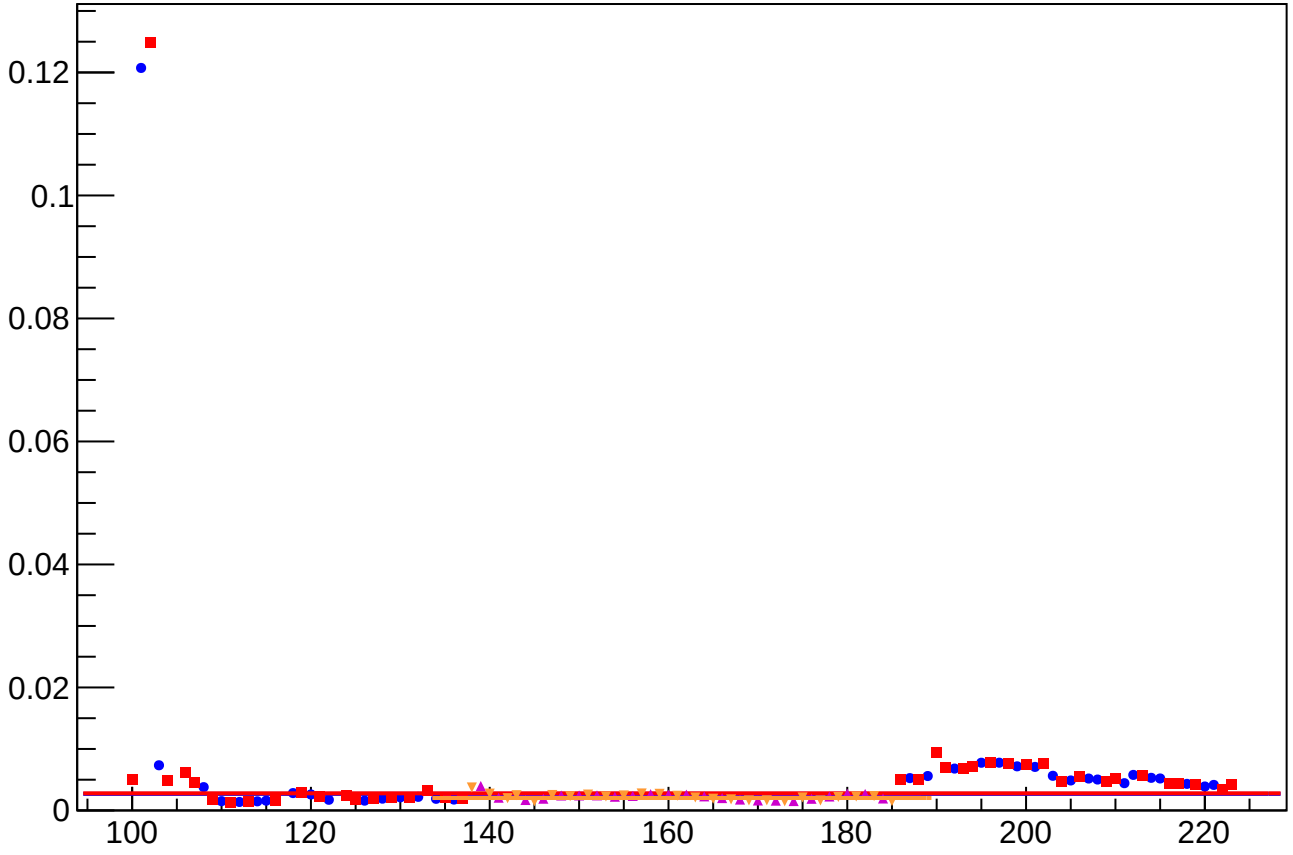
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.525+/-0.000 χ^2/NDF: 204636944787.6/58

All: 2.522+/-0.000 χ^2/NDF: 378240699990.0

- sign 2.519+/-0.000 χ^2/NDF: 173501795907.8/61

yield_sam7_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 11511345.8/33

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12241500.2/38

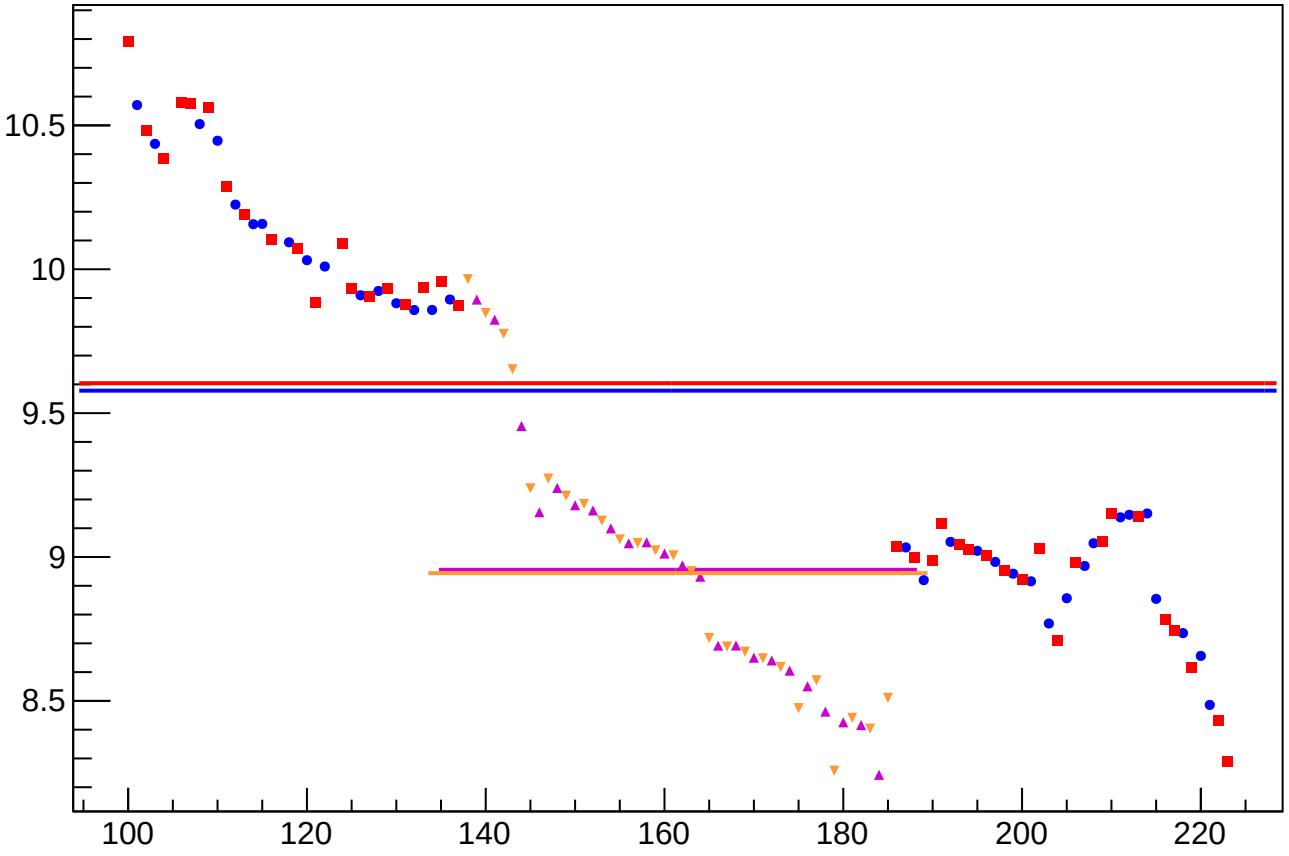
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 14223628.9/58

All: 0.002+/-0.000 χ^2/NDF: 29183918.2/120

- sign 0.002+/-0.000 χ^2/NDF: 14930426.6/61

yield_sam8_mean vs Slug



Right In: 9.578+/-0.000 χ^2/NDF: 142510006612.0/33

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.604+/-0.000 χ^2/NDF: 170061327177.1/38

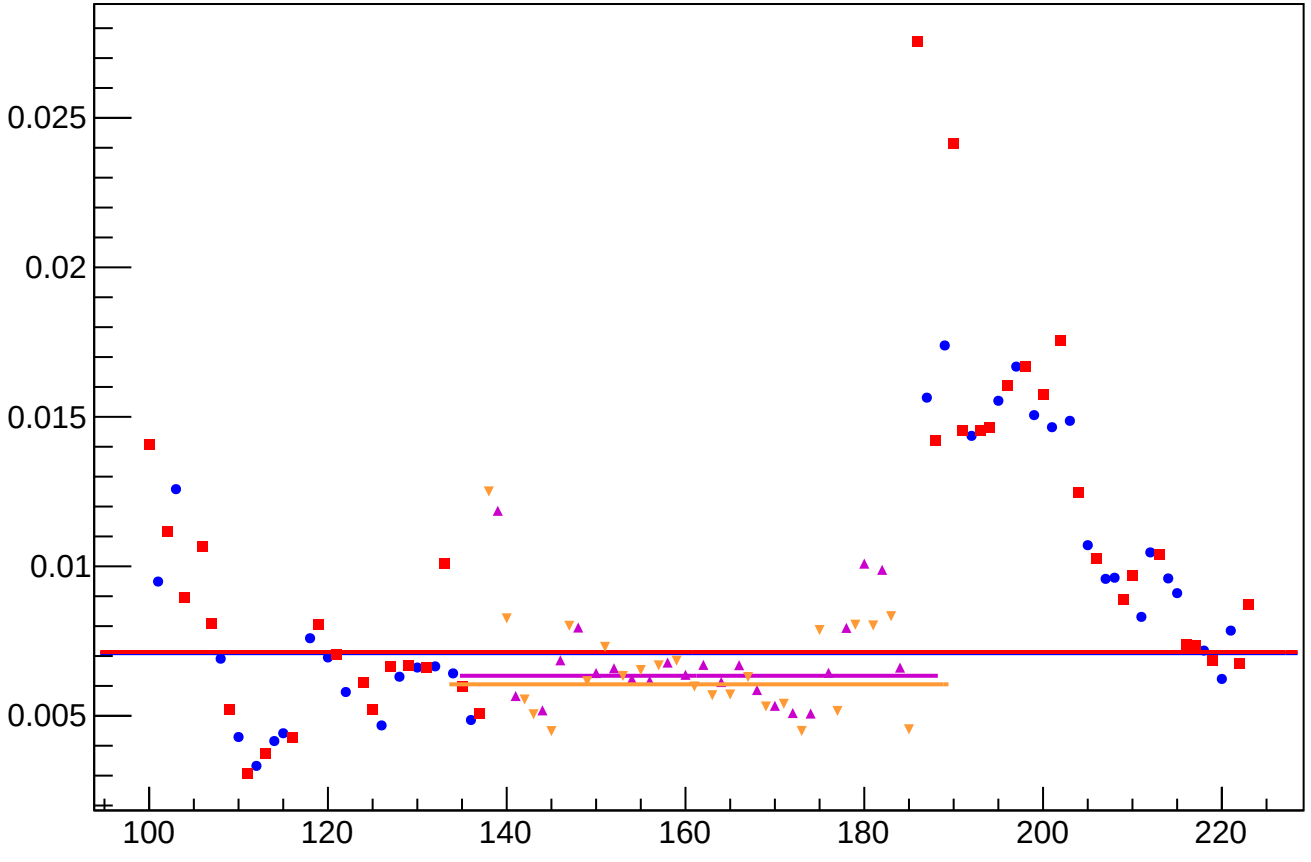
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.227+/-0.000 χ^2/NDF: 283176495486.9/58

All: 9.247+/-0.000 χ^2/NDF: 578720165976.7

- sign 9.268+/-0.000 χ^2/NDF: 294942600128.0/61

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6749353.6/33

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8384059.2/38

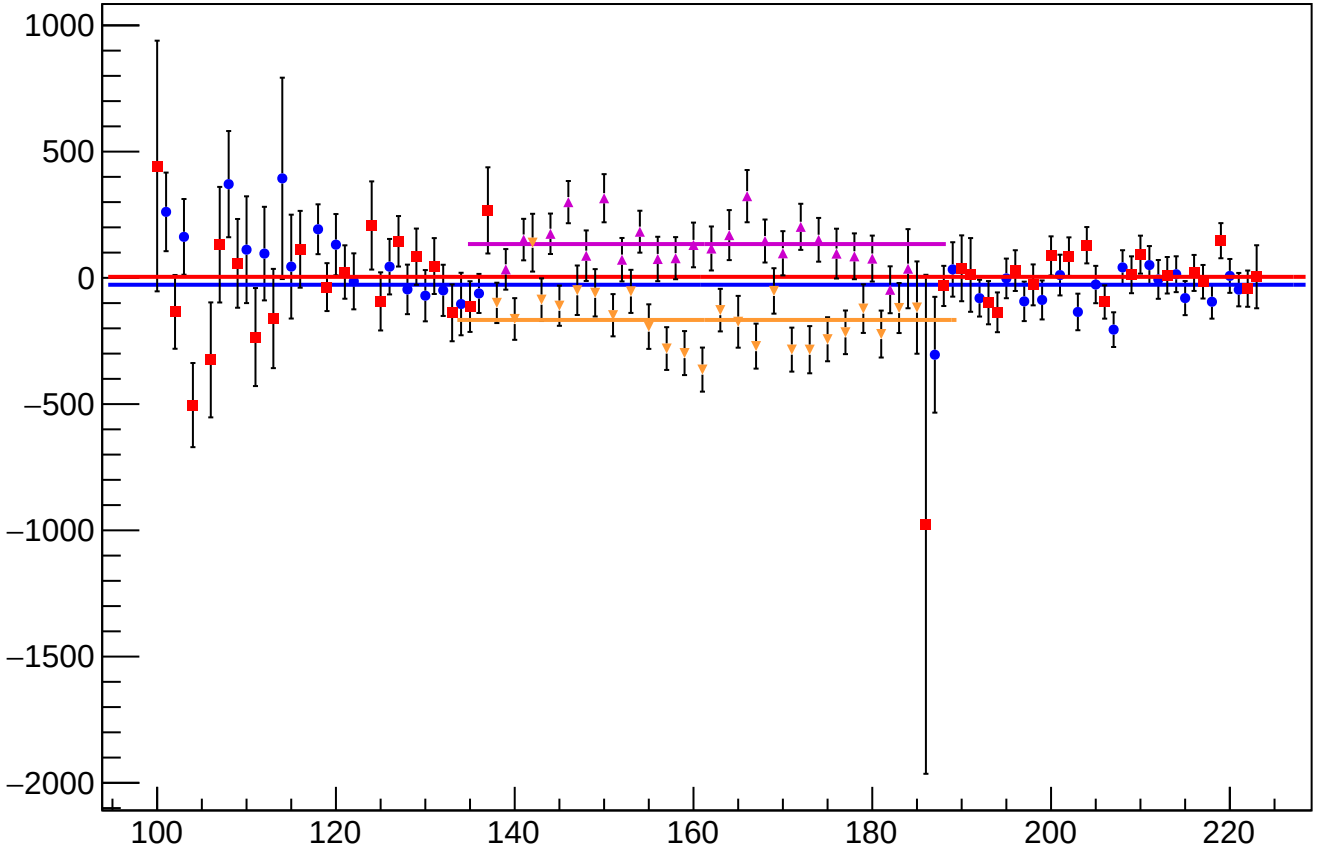
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 8614360.8/58

All: 0.007+/-0.000 χ^2/NDF: 18424095.7/120

- sign 0.007+/-0.000 χ^2/NDF: 9779778.2/61

reg_asym_sam1_mean vs Slug



Right In: -27.324+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 3.993+/-15.600 χ^2/NDF: 46.3/38

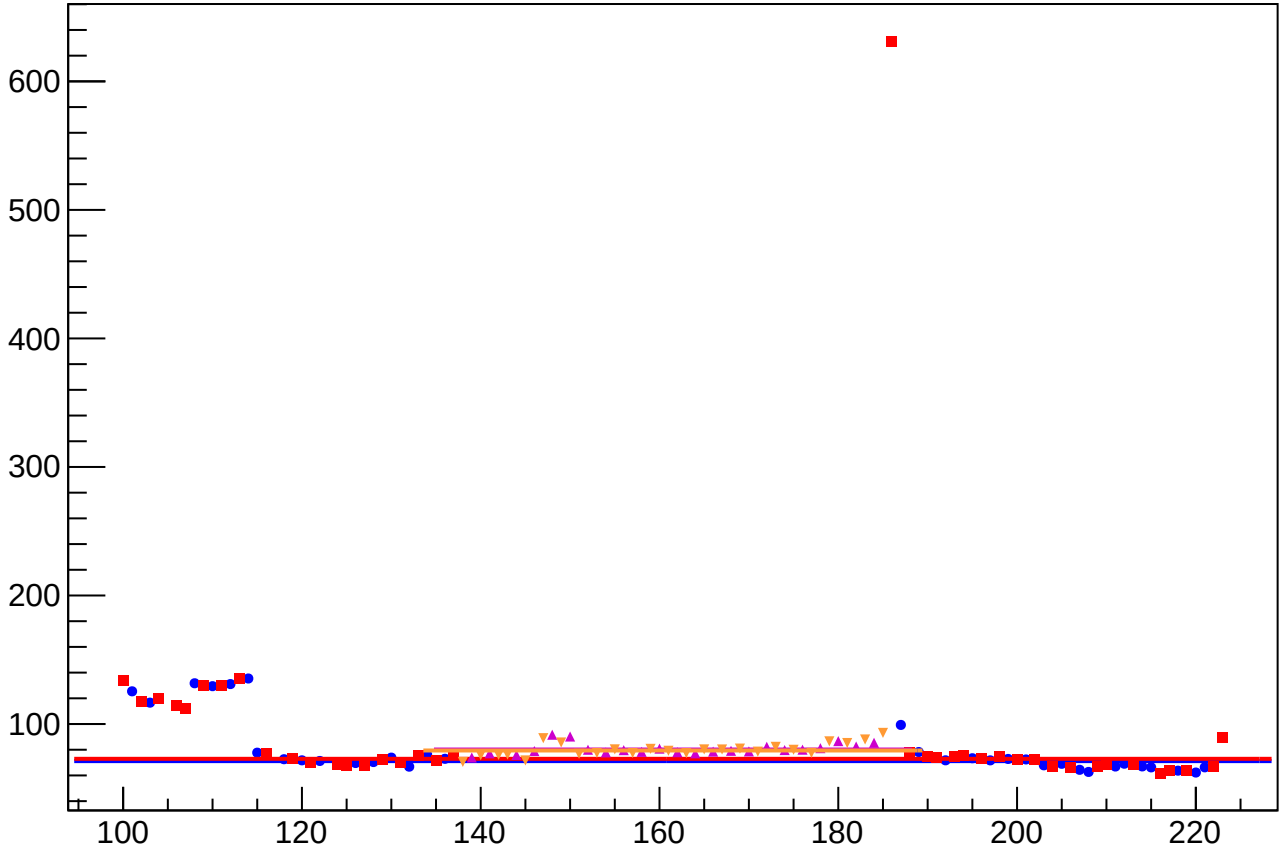
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -85.767+/-11.708 χ^2/NDF: 102.2/58

All: -16.060+/-8.378 χ^2/NDF: 270.3/120

- sign 57.090+/-11.994 χ^2/NDF: 95.4/61

reg_asym_sam1_rms vs Slug



Right In: 71.131+/-0.011 χ^2/NDF: 1212135.0/33

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 72.927+/-0.011 χ^2/NDF: 1988692.1/38

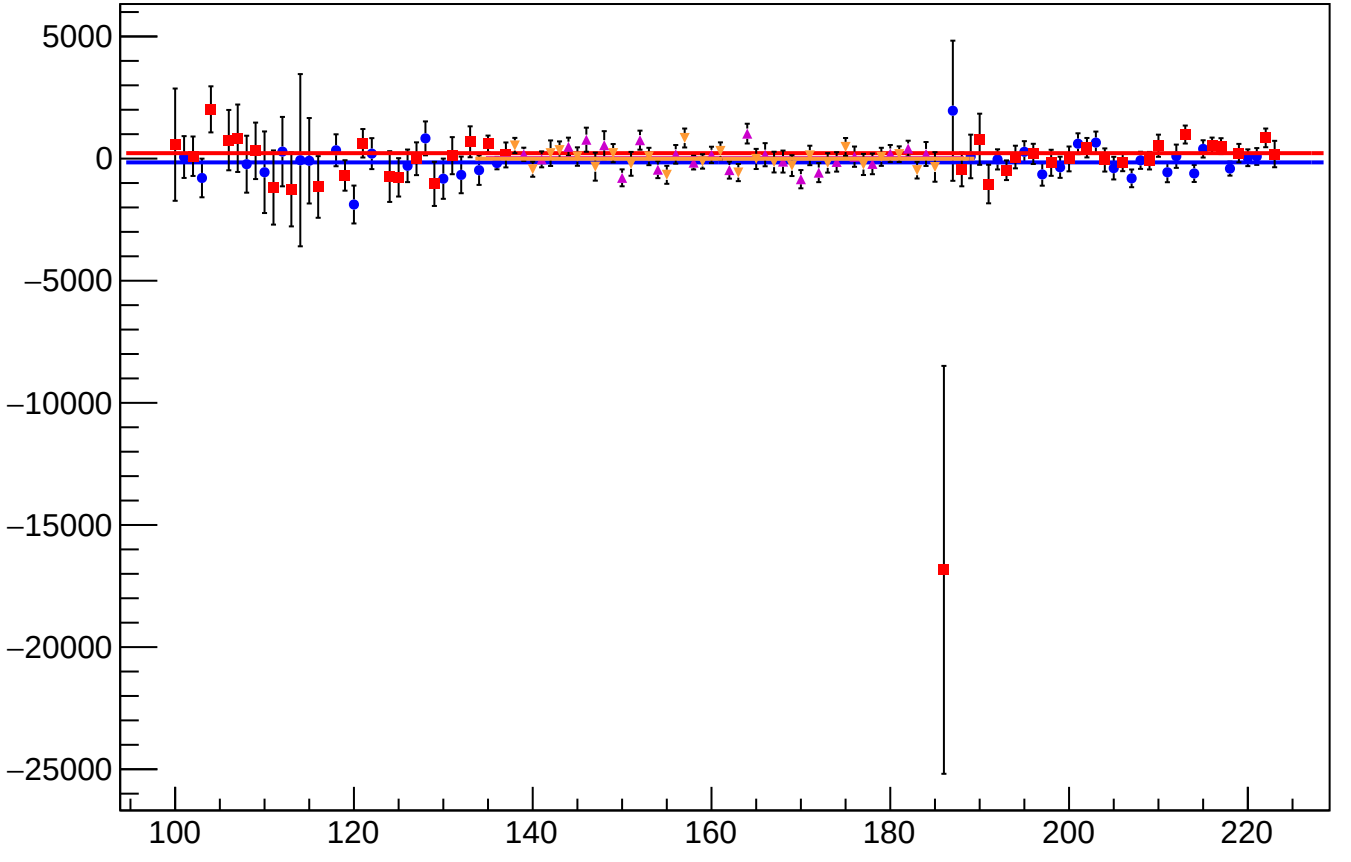
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.603+/-0.008 χ^2/NDF: 1590490.5/58

All: 75.229+/-0.006 χ^2/NDF: 3858144.7/120

- sign 75.885+/-0.008 χ^2/NDF: 2255954.6/61

asym_sam1_reg_correction_mean vs Slug



Right In: -155.350+/-82.680 χ^2/NDF: 30.2/33

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 222.875+/-85.005 χ^2/NDF: 39.6/38

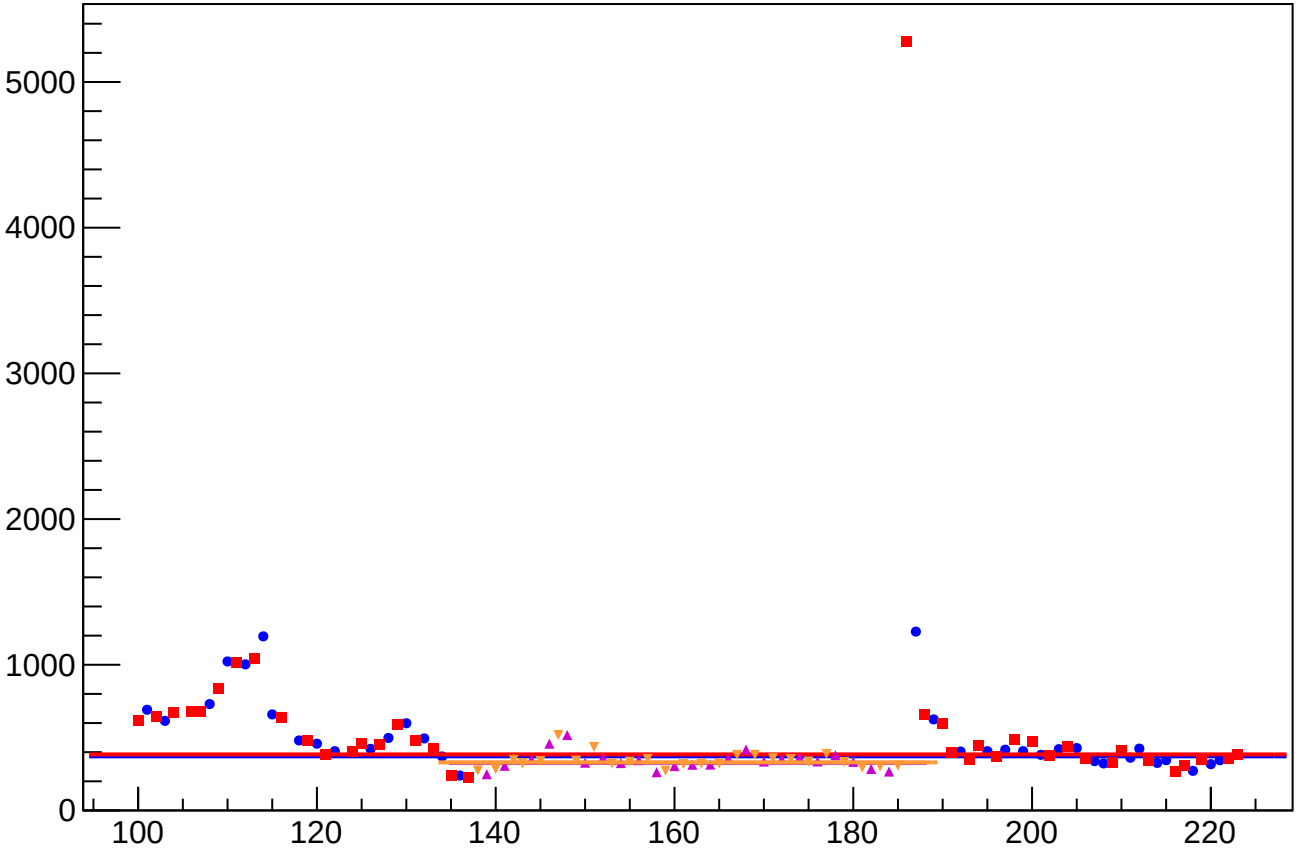
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -72.894+/-55.898 χ^2/NDF: 56.1/58

All: 17.166+/-40.008 χ^2/NDF: 139.2/120

- sign 111.758+/-57.287 χ^2/NDF: 77.8/61

asym_sam1_reg_correction_rms vs Slug



Right In: 371.444+/-0.058 χ^2/NDF: 3312378.8/33

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 384.781+/-0.060 χ^2/NDF: 4289315.2/38

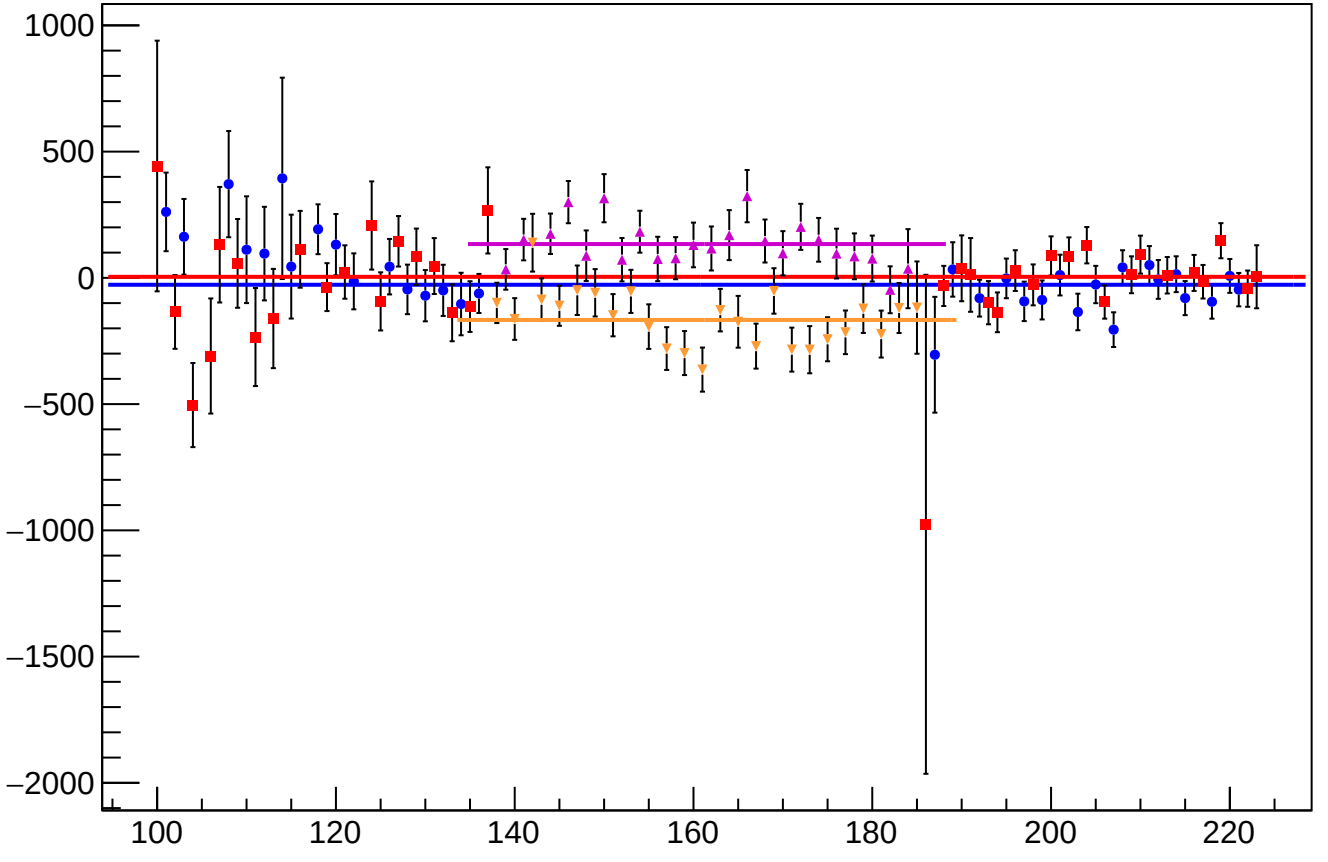
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 348.926+/-0.040 χ^2/NDF: 4244873.0/58

All: 351.021+/-0.028 χ^2/NDF: 9944302.1/120

- sign 353.222+/-0.041 χ^2/NDF: 5693665.7/61

cor_asym_sam1_mean vs Slug



Right In: -27.326+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 4.072+/-15.600 χ^2/NDF: 46.1/38

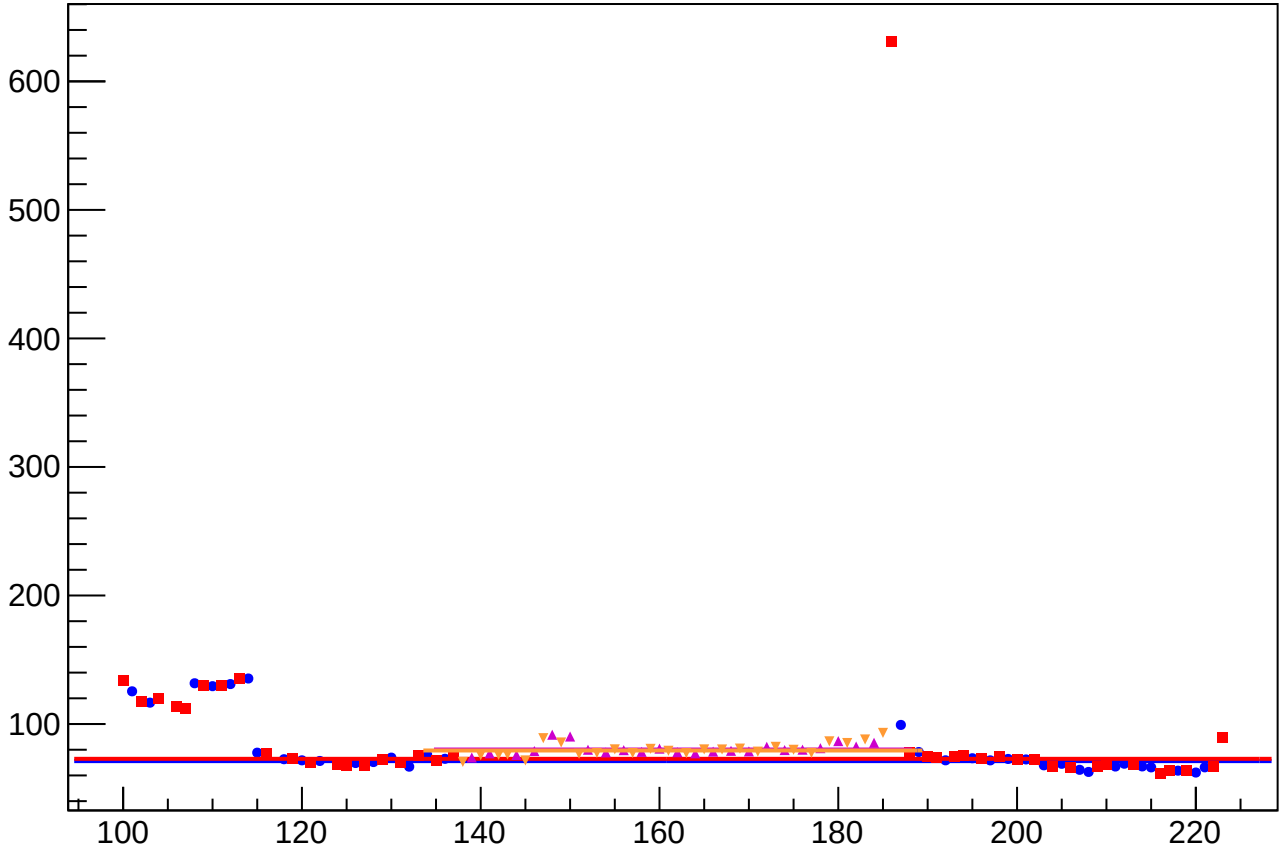
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

\+ sign -85.768+/-11.708 χ^2/NDF: 102.2/58

All: -16.036+/-8.378 χ^2/NDF: 270.1/120

\- sign 57.140+/-11.994 χ^2/NDF: 95.2/61

cor_asym_sam1_rms vs Slug



Right In: 71.131+/-0.011 χ^2/NDF: 1212135.2/33

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.924+/-0.011 χ^2/NDF: 1986246.0/38

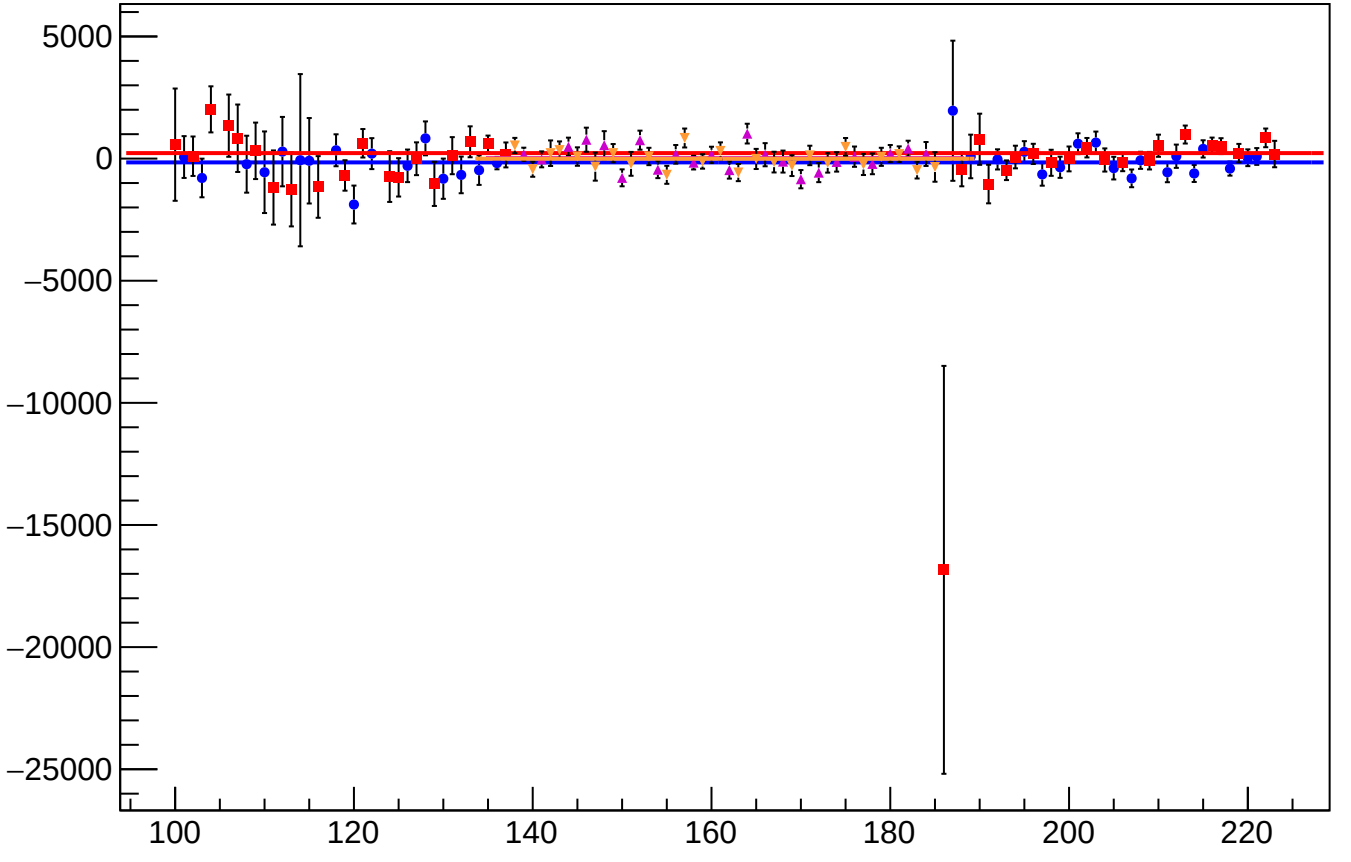
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.603+/-0.008 χ^2/NDF: 1590490.7/58

All: 75.227+/-0.006 χ^2/NDF: 3855846.9/120

- sign 75.883+/-0.008 χ^2/NDF: 2253698.5/61

asym_sam1_cor_correction_mean vs Slug



Right In: -155.356+/-82.680 χ^2/NDF: 30.2/33

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 225.363+/-85.017 χ^2/NDF: 40.2/38

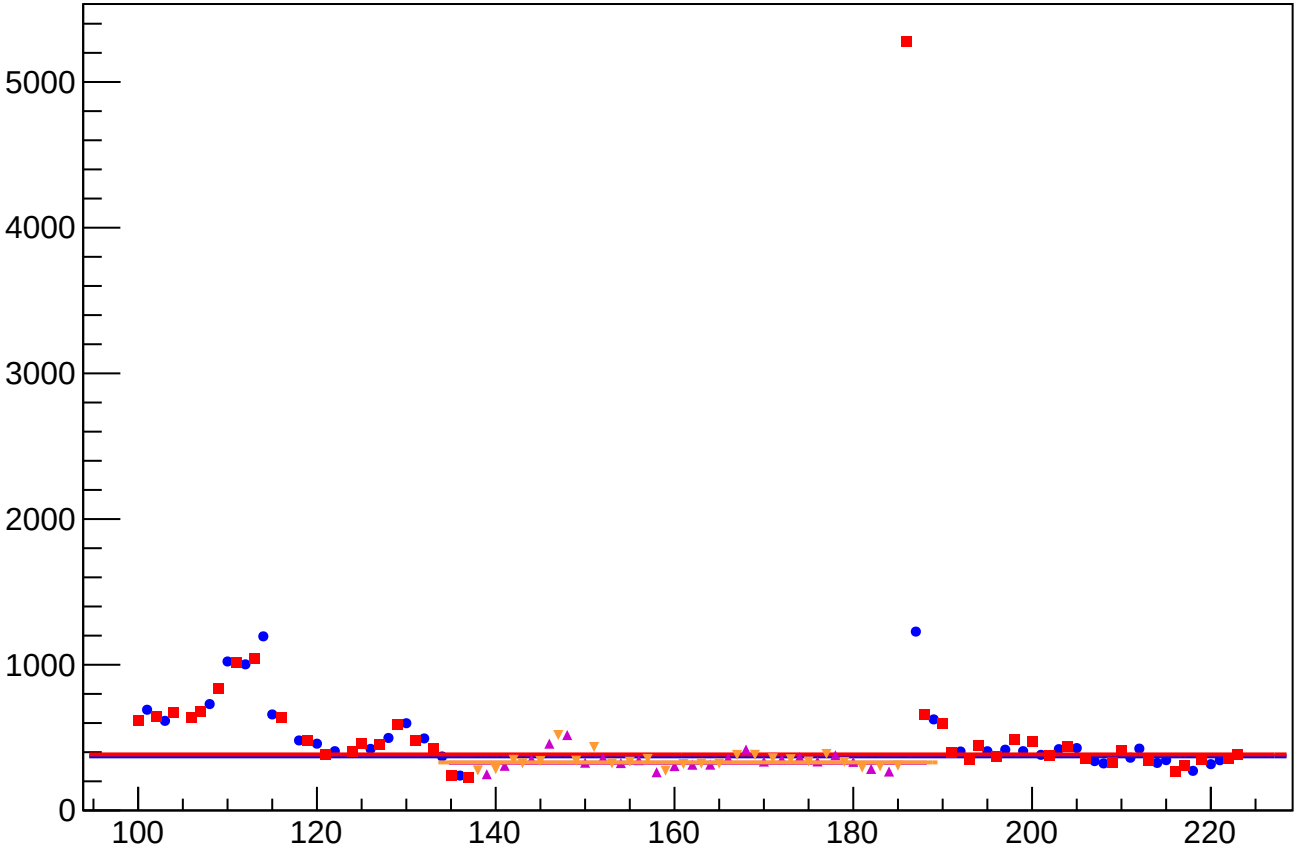
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -72.896+/-55.898 χ^2/NDF: 56.1/58

All: 17.705+/-40.009 χ^2/NDF: 139.9/120

- sign 112.876+/-57.291 χ^2/NDF: 78.5/61

asym_sam1_cor_correction_rms vs Slug



Right In: 371.444+/-0.058 χ^2/NDF: 3312380.3/33

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 384.522+/-0.060 χ^2/NDF: 4255839.2/38

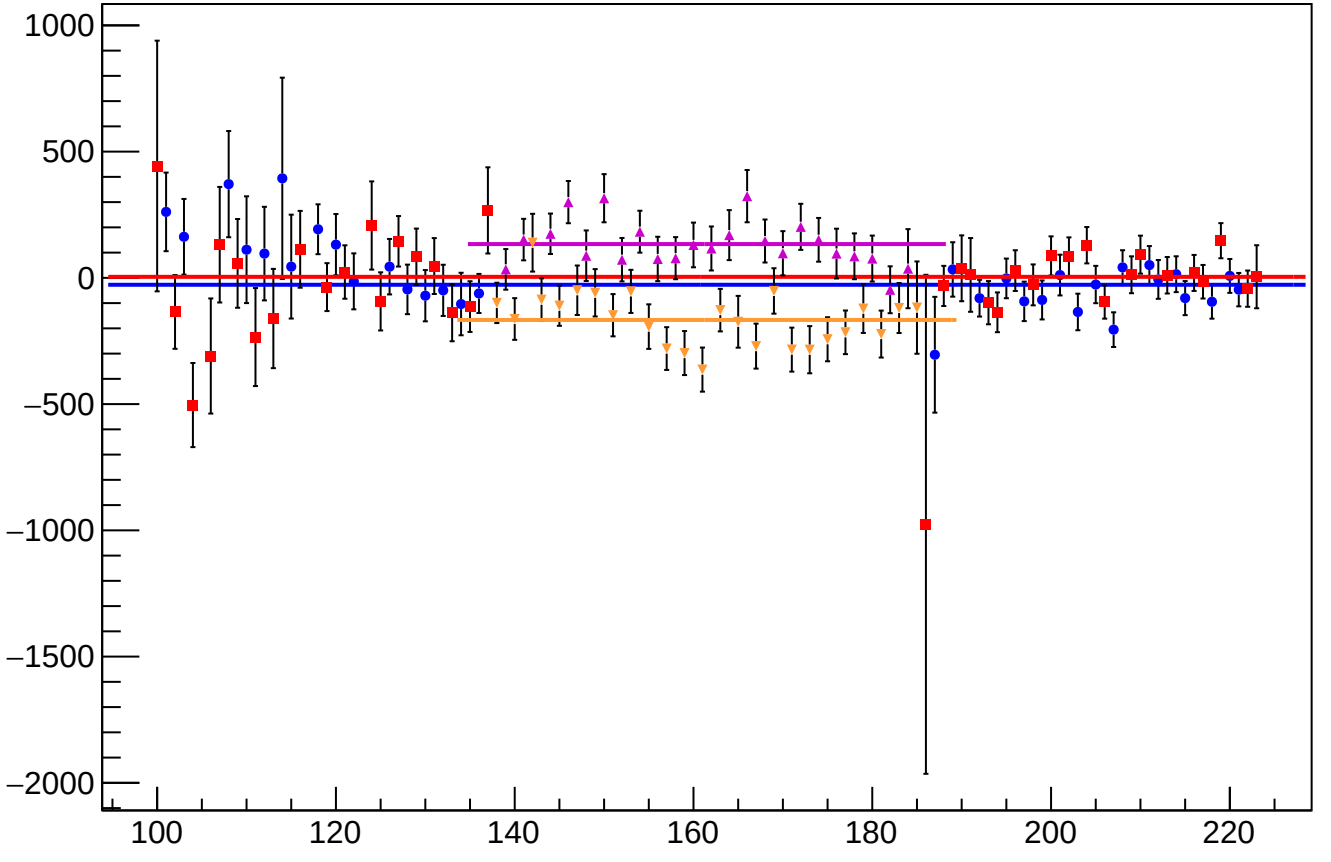
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 348.926+/-0.040 χ^2/NDF: 4244884.0/58

All: 350.962+/-0.028 χ^2/NDF: 9905935.8/120

- sign 353.101+/-0.041 χ^2/NDF: 5655609.9/61

eigen_cor_asym_sam1_mean vs Slug



Right In: -27.326+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 4.072+/-15.600 χ^2/NDF: 46.1/38

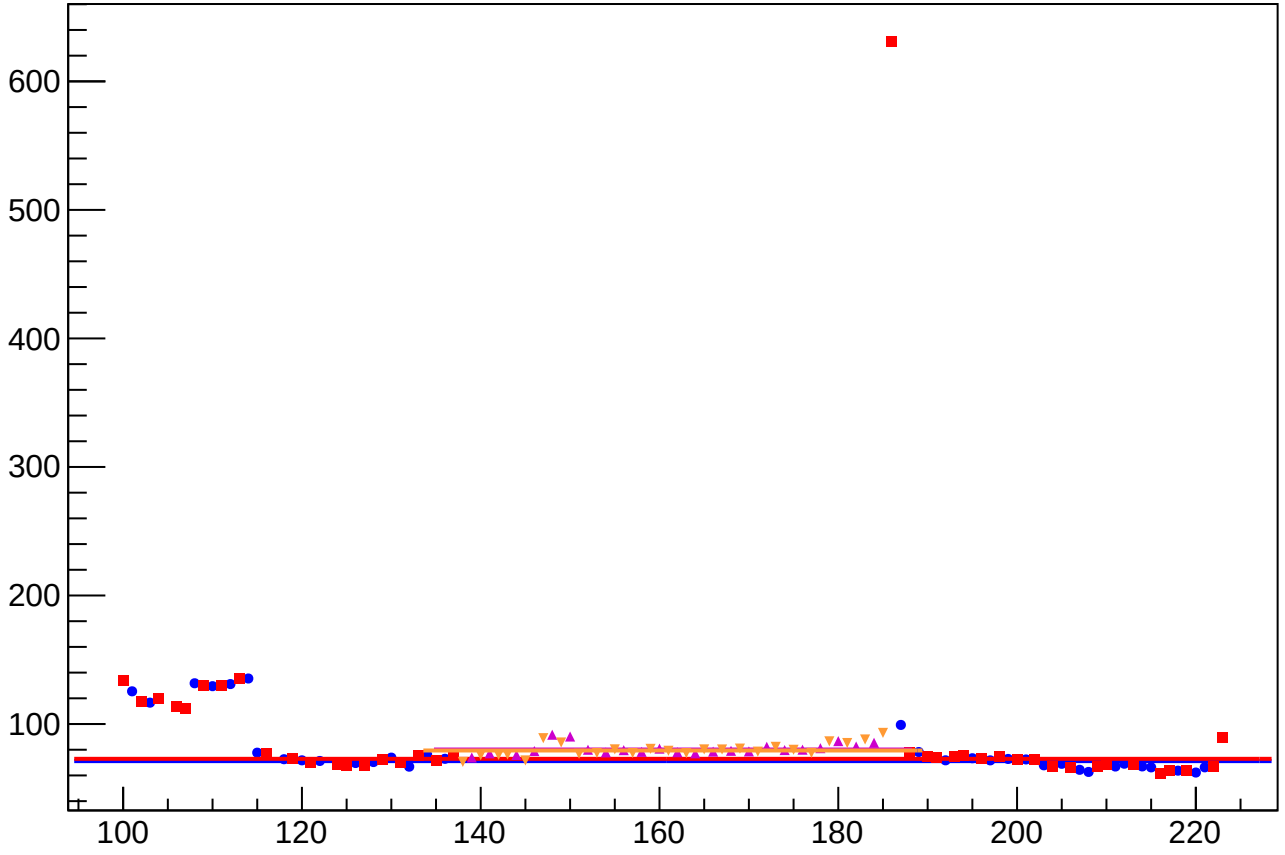
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -85.768+/-11.708 χ^2/NDF: 102.2/58

All: -16.036+/-8.378 χ^2/NDF: 270.1/120

- sign 57.140+/-11.994 χ^2/NDF: 95.2/61

eigen_cor_asym_sam1_rms vs Slug



Right In: 71.131+/-0.011 χ^2/NDF: 1212135.2/33

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.924+/-0.011 χ^2/NDF: 1986246.0/38

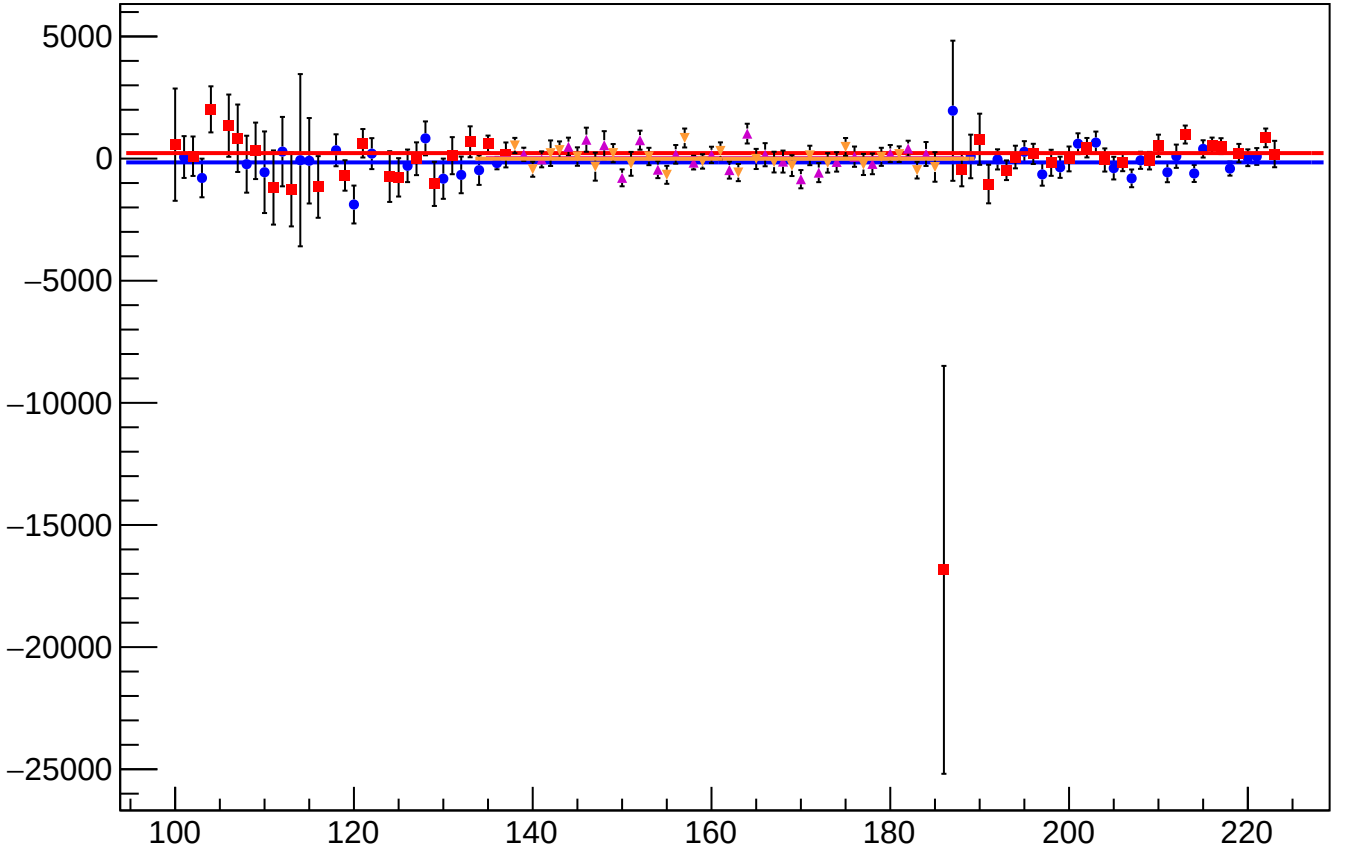
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.603+/-0.008 χ^2/NDF: 1590490.7/58

All: 75.227+/-0.006 χ^2/NDF: 3855846.9/120

- sign 75.883+/-0.008 χ^2/NDF: 2253698.5/61

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -155.356+/-82.680 χ^2/NDF: 30.2/33

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 225.363+/-85.017 χ^2/NDF: 40.2/38

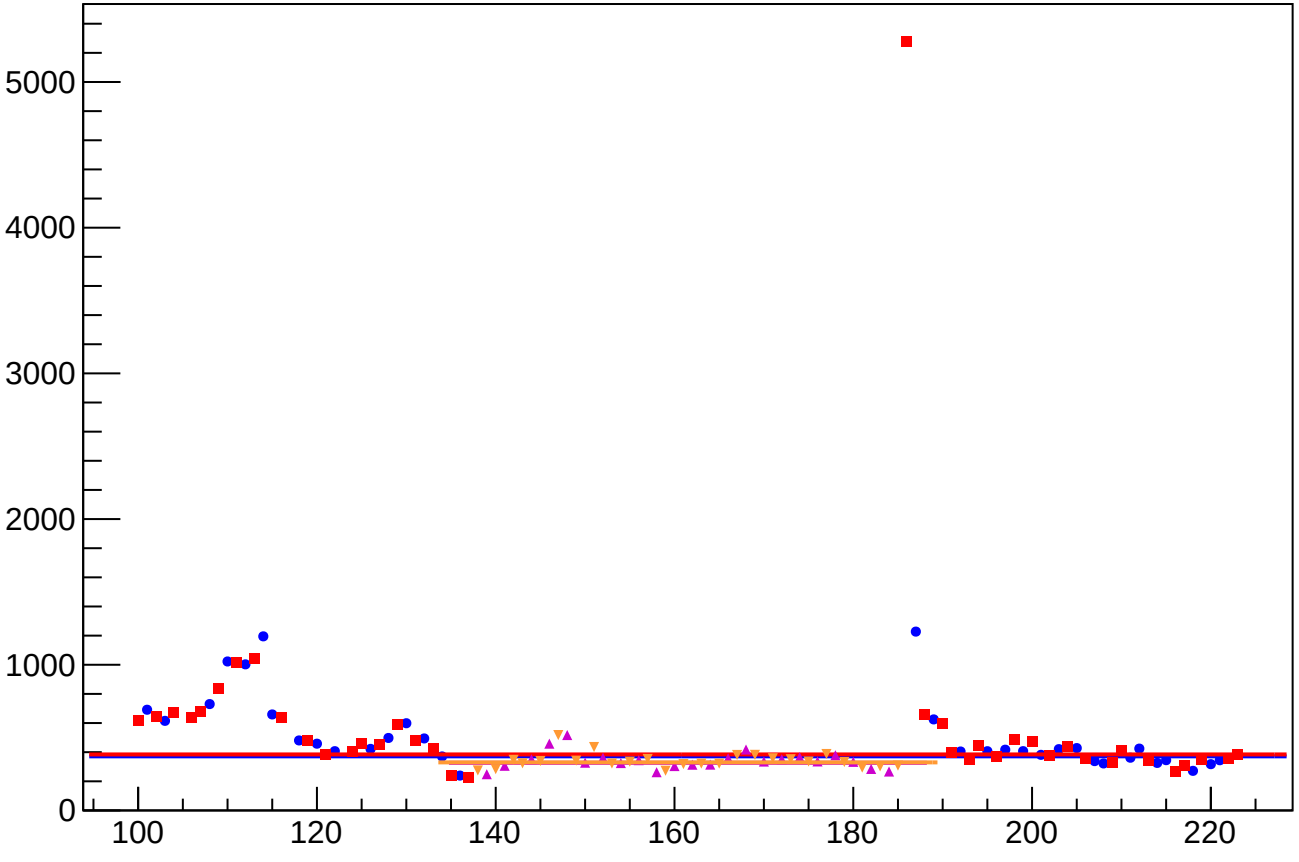
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -72.896+/-55.898 χ^2/NDF: 56.1/58

All: 17.705+/-40.009 χ^2/NDF: 139.9/120

\- sign 112.876+/-57.291 χ^2/NDF: 78.5/61

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 371.444+/-0.058 χ^2/NDF: 3312380.3/33

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 384.522+/-0.060 χ^2/NDF: 4255839.2/38

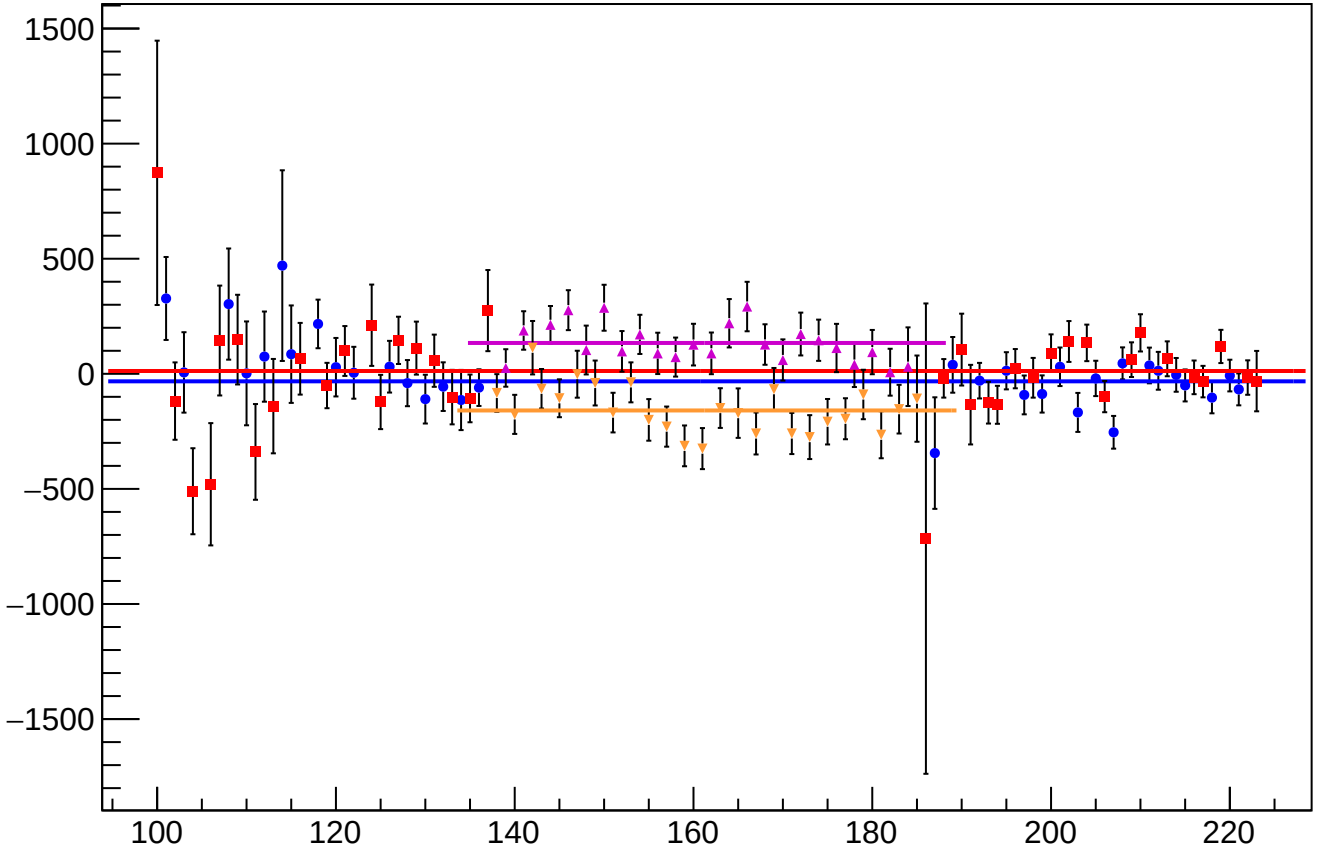
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 348.926+/-0.040 χ^2/NDF: 4244884.0/58

All: 350.962+/-0.028 χ^2/NDF: 9905935.8/120

- sign 353.101+/-0.041 χ^2/NDF: 5655609.9/61

dit_asym_sam1_mean vs Slug



Right In: -32.677+/-16.102 χ^2/NDF: 35.6/33

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 12.215+/-16.448 χ^2/NDF: 52.6/38

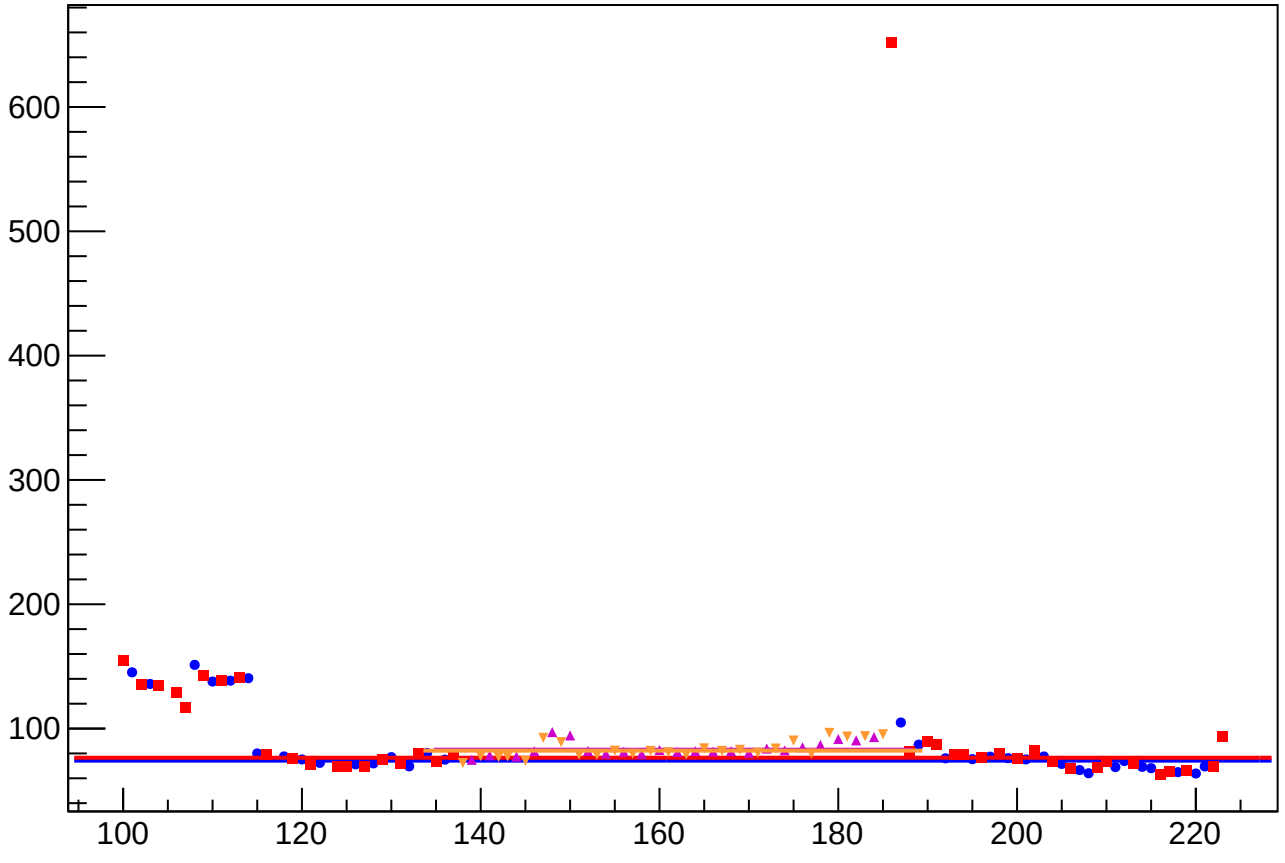
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -86.394+/-12.216 χ^2/NDF: 89.9/58

All: -13.741+/-8.756 χ^2/NDF: 254.6/120

- sign 63.024+/-12.557 χ^2/NDF: 92.0/61

dit_asym_sam1_rms vs Slug



Right In: 74.214+/-0.011 χ^2/NDF: 1462040.9/33

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 76.548+/-0.012 χ^2/NDF: 2213278.9/38

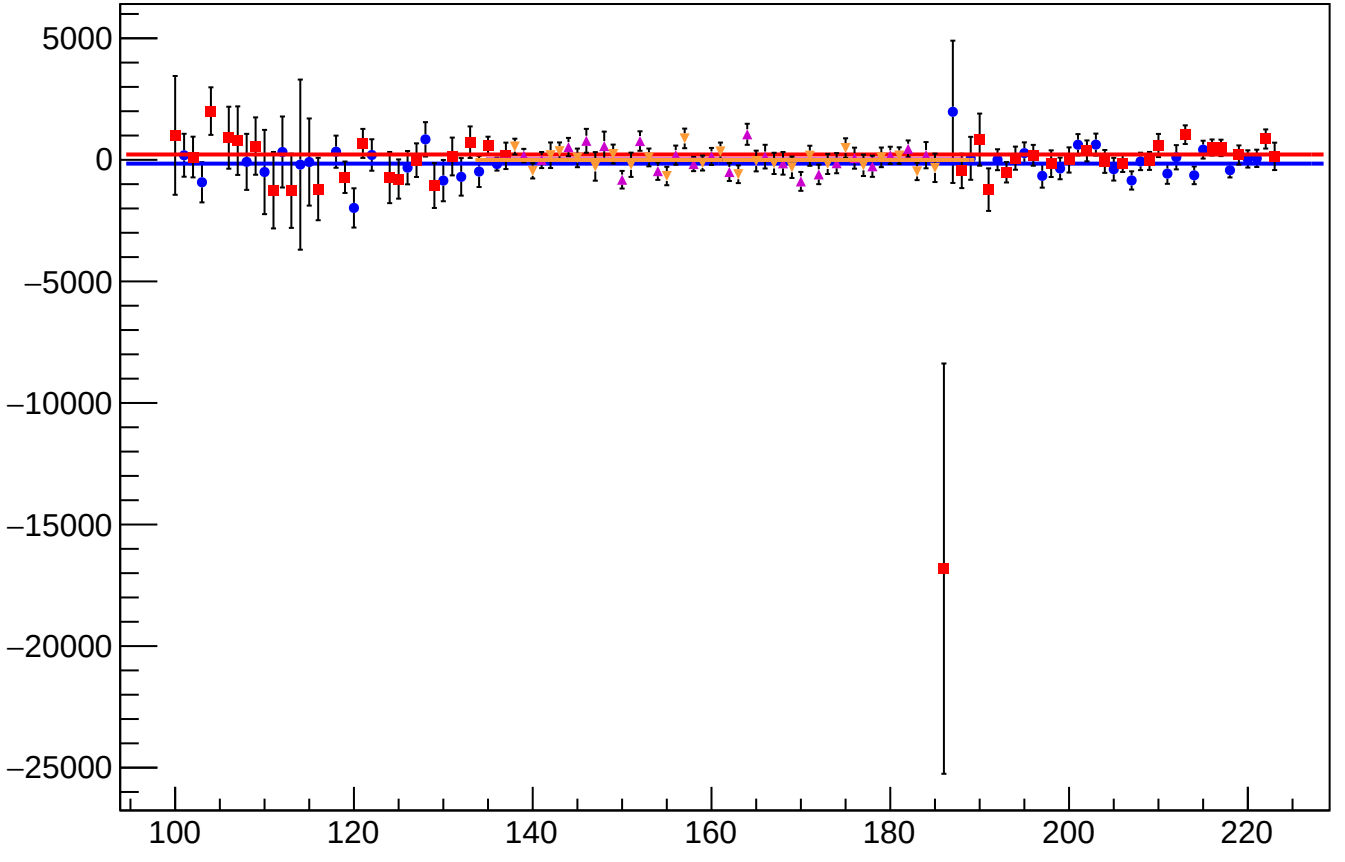
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 77.624+/-0.009 χ^2/NDF: 1889878.7/58

All: 78.408+/-0.006 χ^2/NDF: 4393833.1/120

- sign 79.237+/-0.009 χ^2/NDF: 2487011.0/61

asym_sam1_dit_correction_mean vs Slug



Right In: -155.656+/-85.405 χ^2/NDF: 30.3/33

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 220.517+/-88.066 χ^2/NDF: 38.9/38

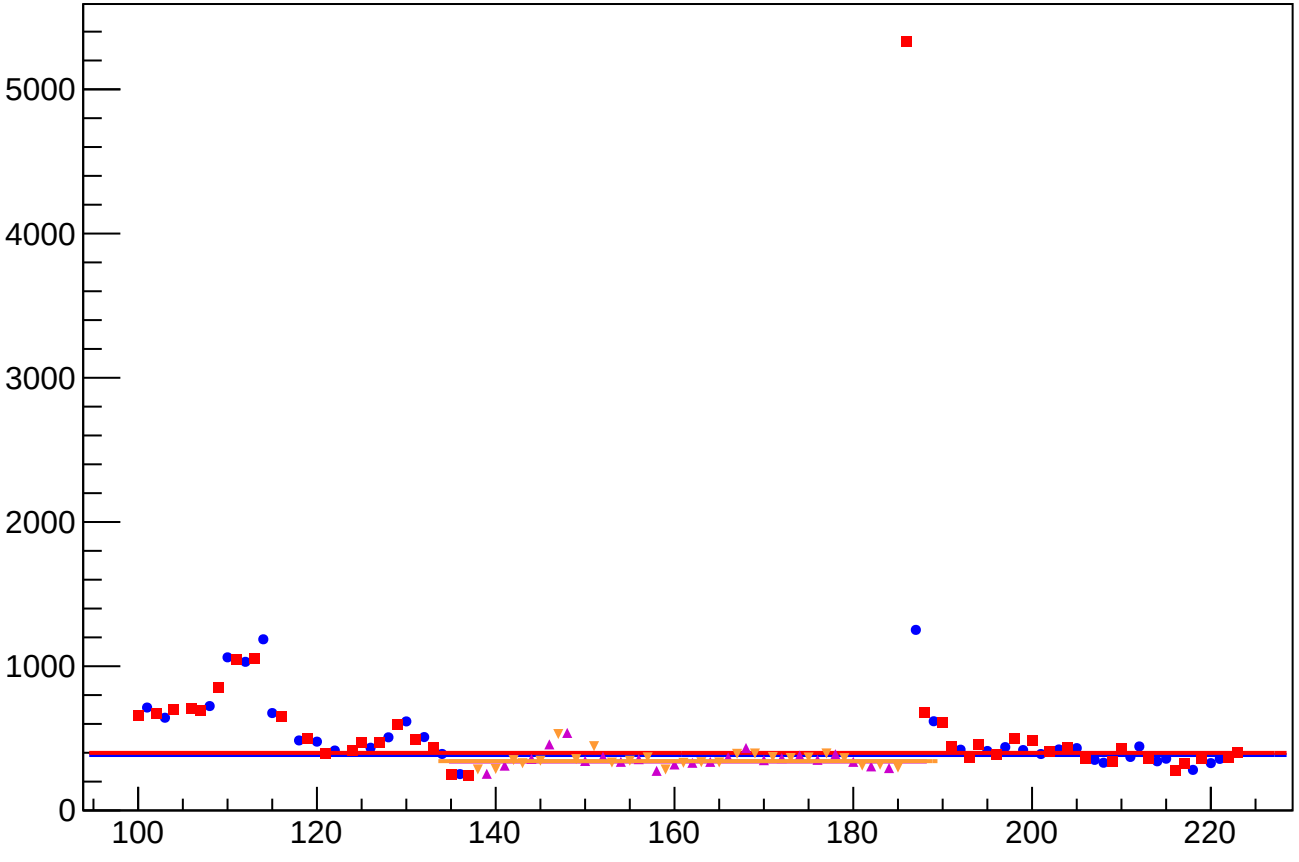
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -73.039+/-57.828 χ^2/NDF: 55.6/58

All: 15.698+/-41.429 χ^2/NDF: 137.1/120

- sign 109.266+/-59.381 χ^2/NDF: 76.7/61

asym_sam1_dit_correction_rms vs Slug



Right In: 384.384+/-0.060 χ^2/NDF: 3188490.3/33

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

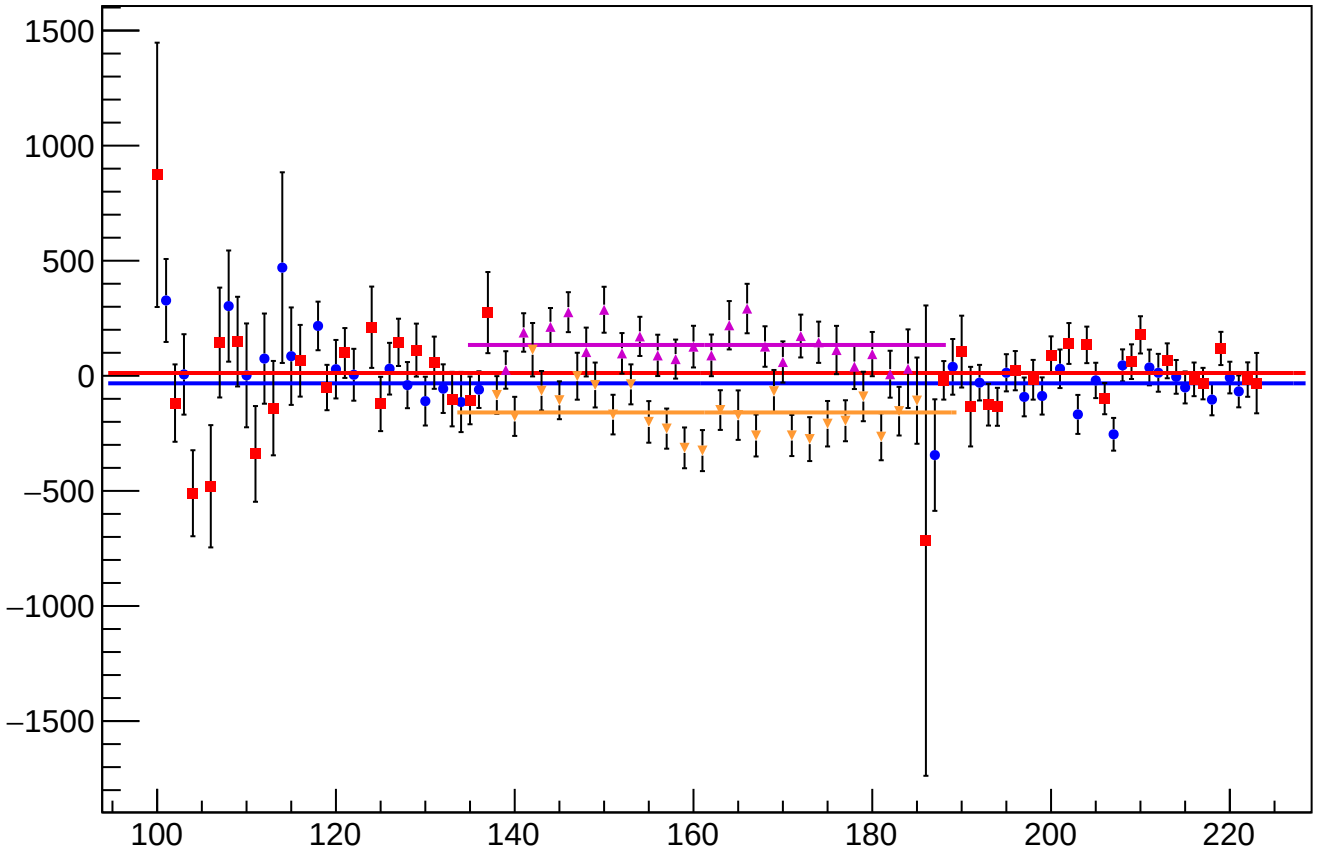
Right Out: 399.139+/-0.062 χ^2/NDF: 4182028.6/38

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 361.387+/-0.041 χ^2/NDF: 4110209.1/58

All: 363.913+/-0.029 χ^2/NDF: 9648176.6/120

- sign 366.576+/-0.042 χ^2/NDF: 5530128.1/61



Right In: -32.676+/-16.102 χ^2/NDF: 35.6/33

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 12.215+/-16.448 χ^2/NDF: 52.6/38

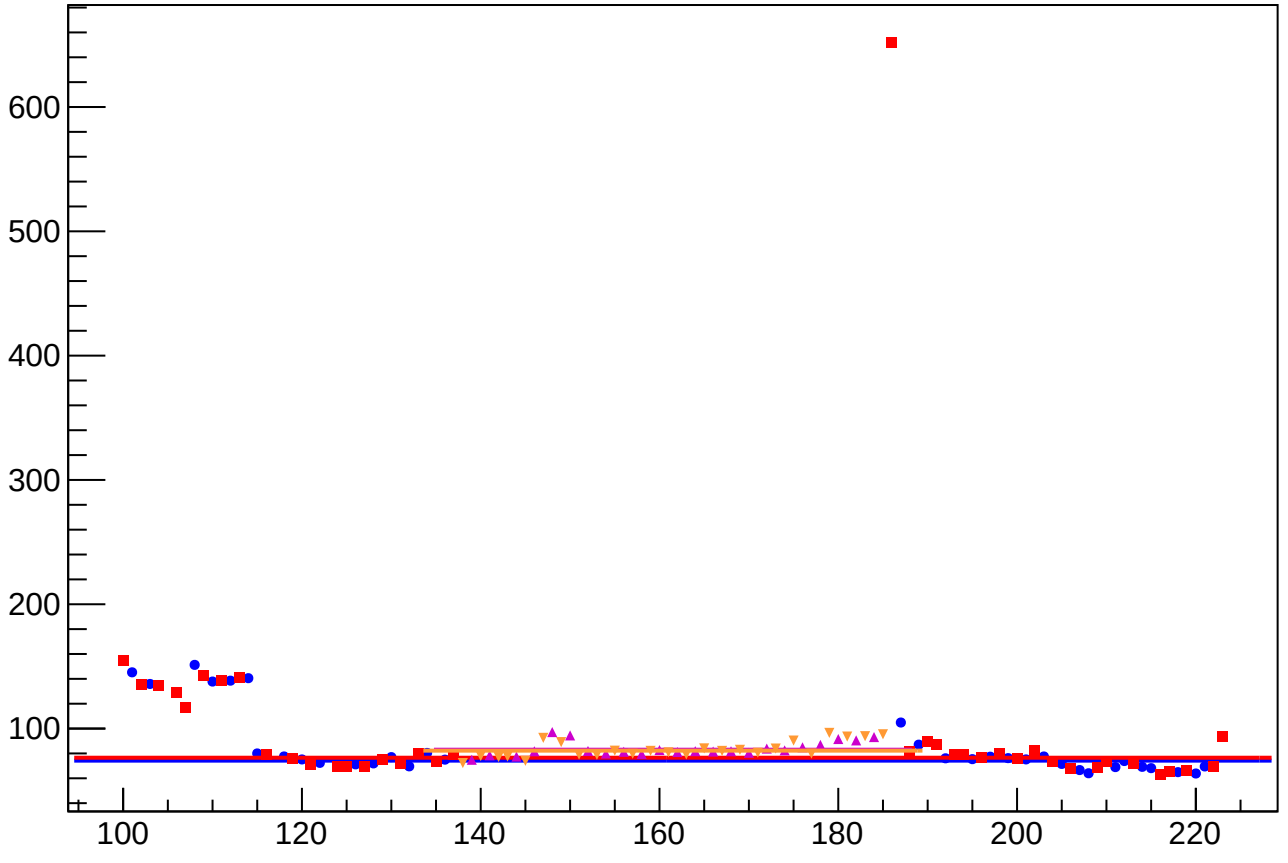
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -86.393+/-12.216 χ^2/NDF: 89.9/58

All: -13.740+/-8.756 χ^2/NDF: 254.6/120

- sign 63.025+/-12.557 χ^2/NDF: 92.0/61

eigen_dit_asym_sam1_rms vs Slug



Right In: 74.214+/-0.011 χ^2/NDF: 1462041.7/33

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

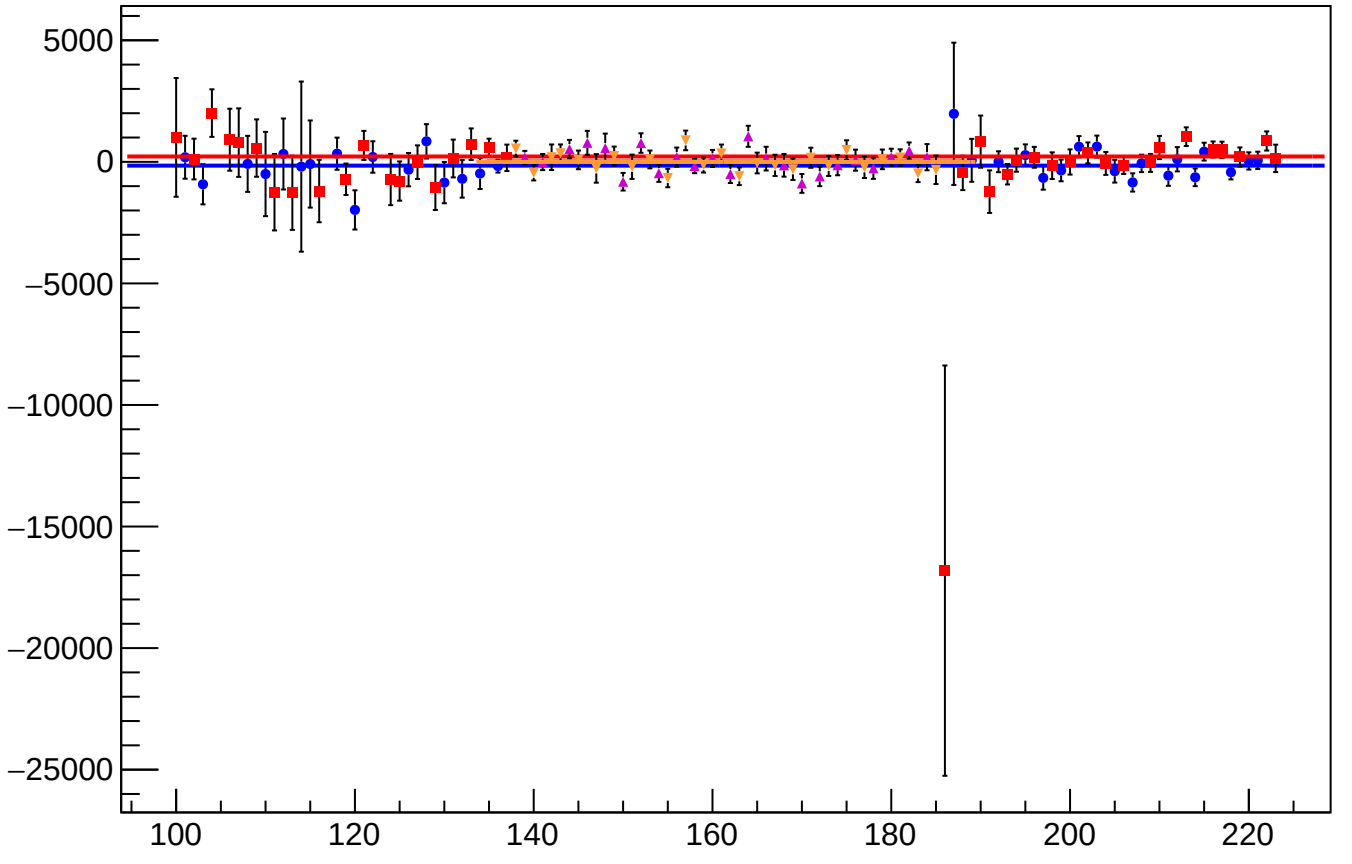
Right Out: 76.548+/-0.012 χ^2/NDF: 2213280.0/38

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 77.624+/-0.009 χ^2/NDF: 1889885.7/58

All: 78.408+/-0.006 χ^2/NDF: 4393844.5/120

- sign 79.236+/-0.009 χ^2/NDF: 2487015.7/61



Right In: -155.654+/-85.404 χ^2/NDF: 30.3/33

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 220.517+/-88.066 χ^2/NDF: 38.9/38

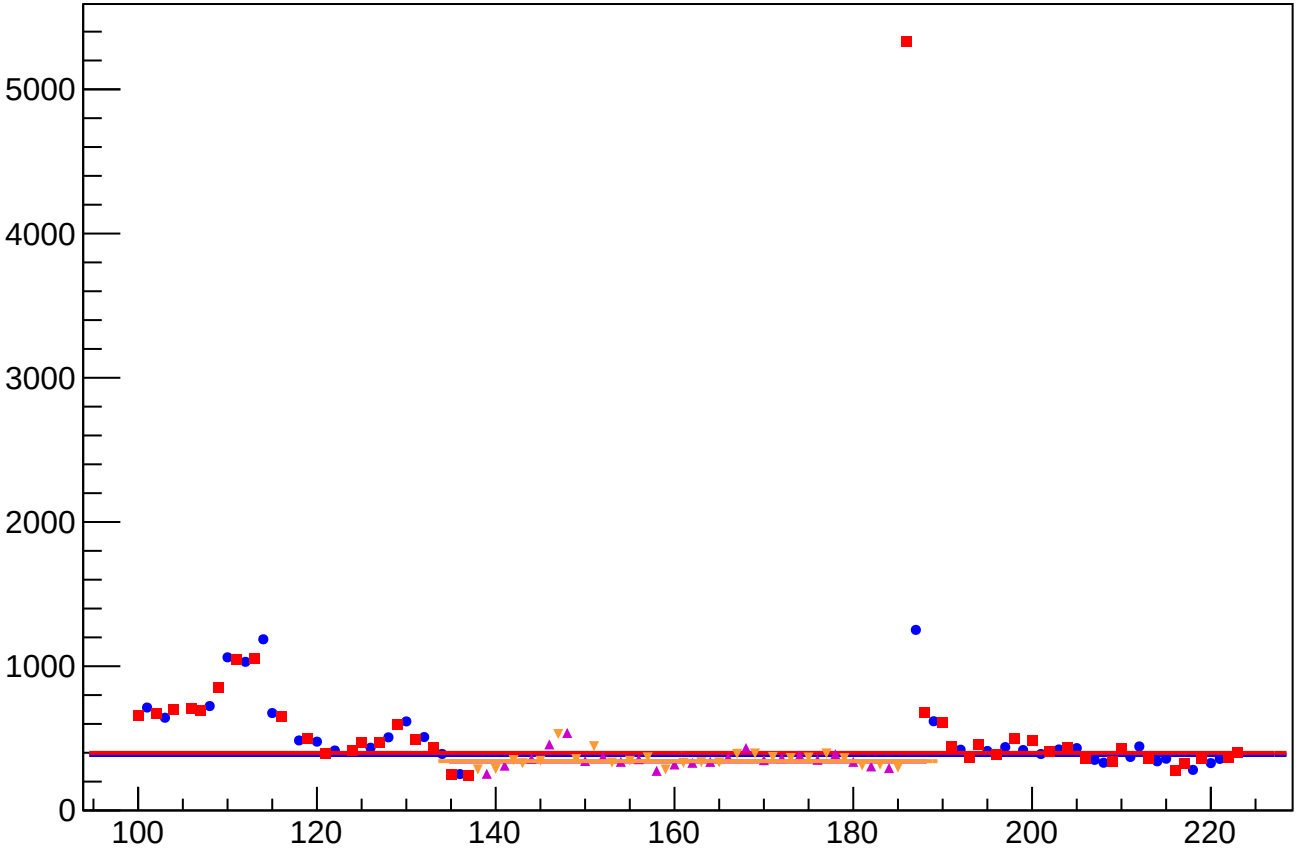
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -73.038+/-57.827 χ^2/NDF: 55.6/58

All: 15.698+/-41.428 χ^2/NDF: 137.1/120

- sign 109.266+/-59.381 χ^2/NDF: 76.7/61

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 384.384+/-0.060 χ^2/NDF: 3188494.2/33

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 399.139+/-0.062 χ^2/NDF: 4182035.9/38

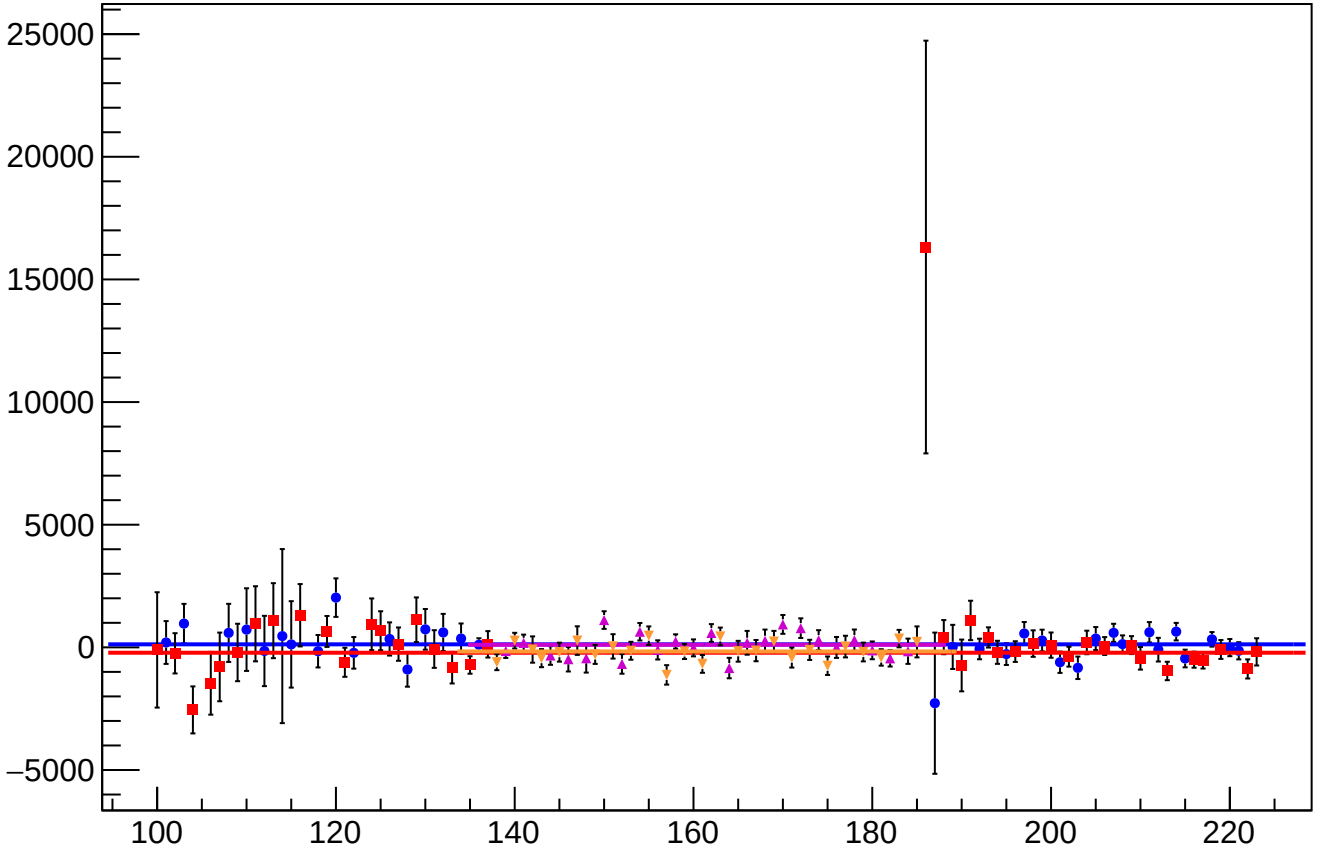
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 361.387+/-0.041 χ^2/NDF: 4110206.6/58

All: 363.913+/-0.029 χ^2/NDF: 9648172.3/120

- sign 366.576+/-0.042 χ^2/NDF: 5530126.5/61

asym_sam1_mean vs Slug



Right In: 123.327+/-84.422 χ^2/NDF: 30.4/33

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -219.117+/-86.760 χ^2/NDF: 42.2/38

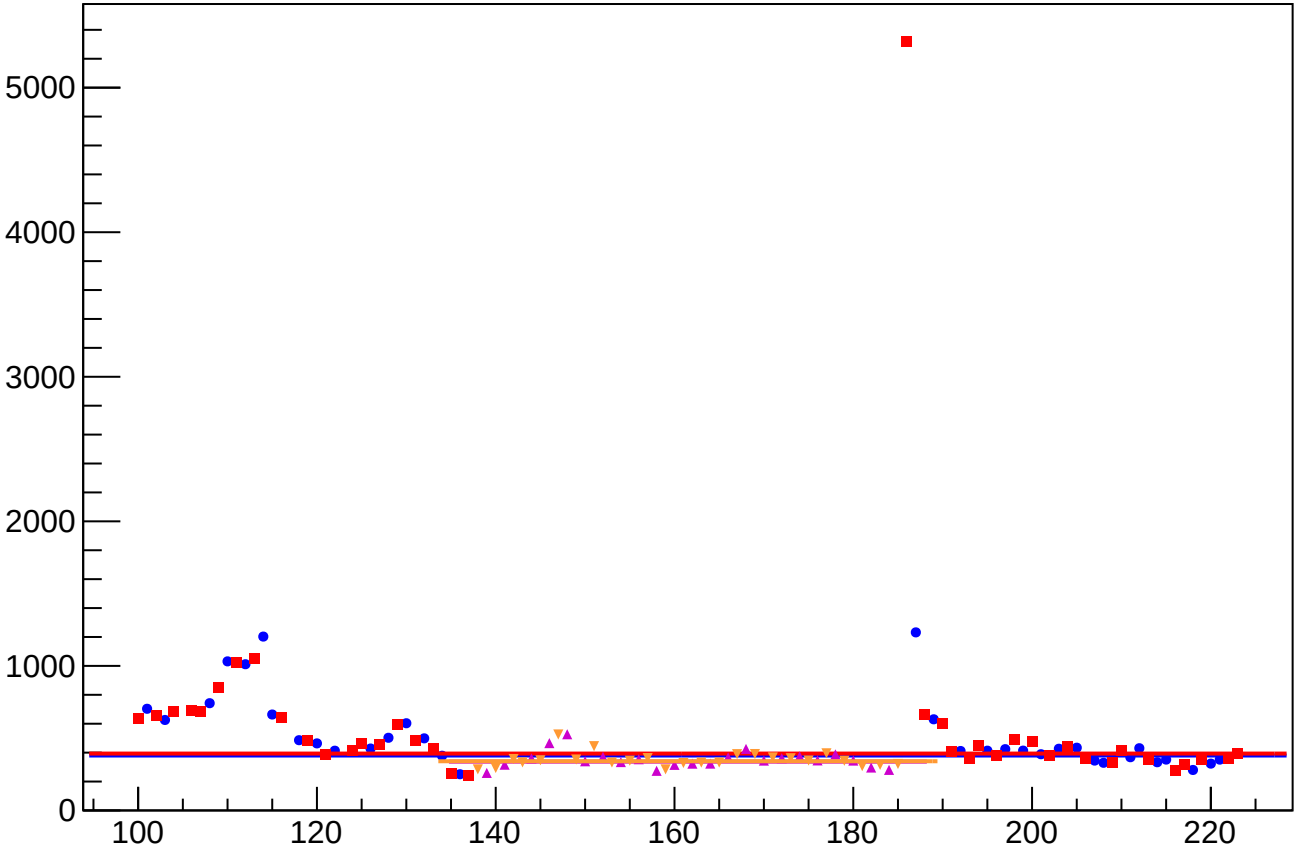
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -33.172+/-57.361 χ^2/NDF: 62.3/58

All: -38.678+/-41.064 χ^2/NDF: 149.5/120

- sign -44.465+/-58.811 χ^2/NDF: 87.2/61

asym_sam1_rms vs Slug



Right In: 380.073+/-0.060 χ^2/NDF: 3164274.3/33

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

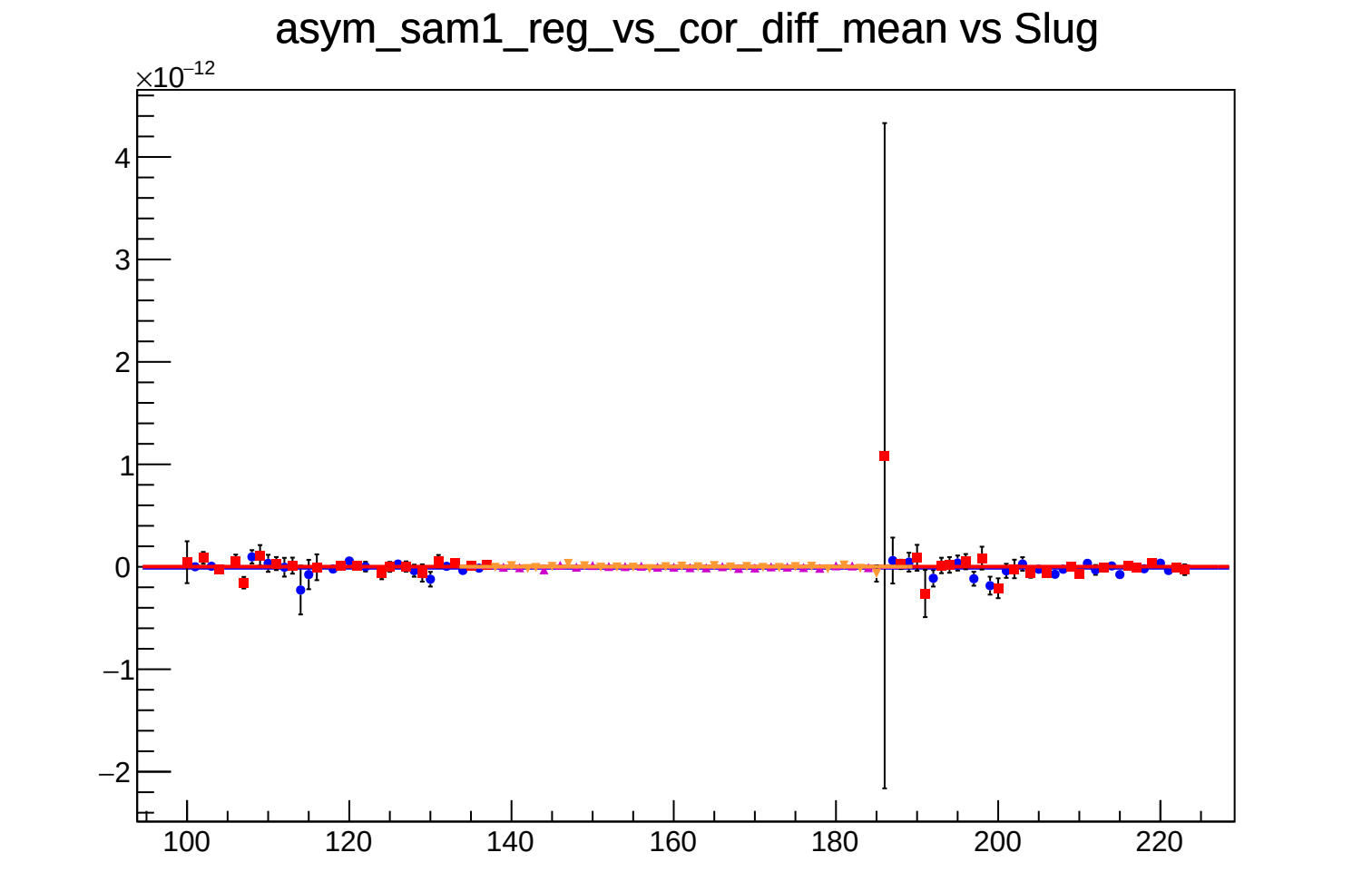
Right Out: 393.492+/-0.061 χ^2/NDF: 4133345.1/38

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 358.711+/-0.041 χ^2/NDF: 4006312.0/58

All: 360.981+/-0.029 χ^2/NDF: 9412844.3/120

- sign 363.368+/-0.042 χ^2/NDF: 5400104.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 39.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

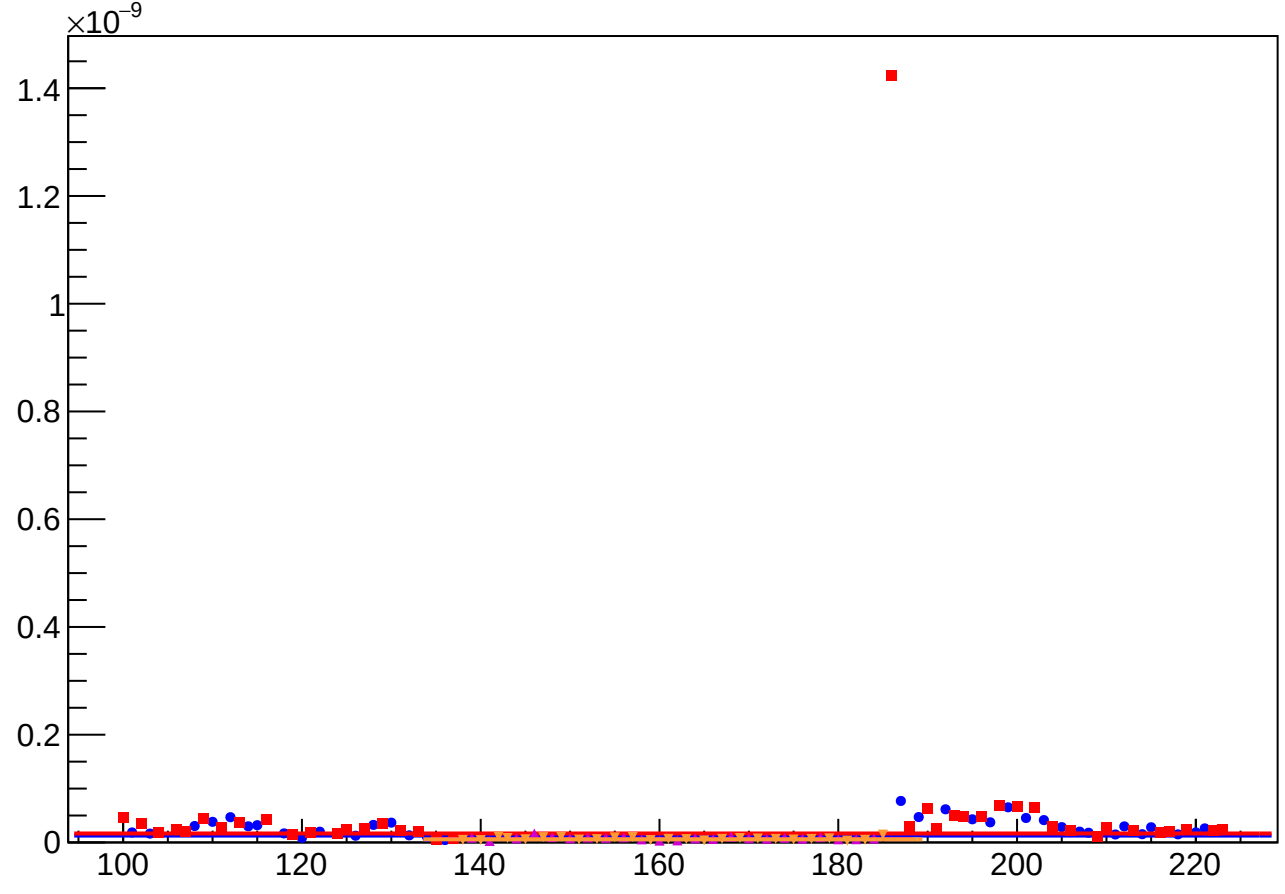
Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/38

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/58

All: -0.000+/-0.000 χ^2/NDF: 107.7/120

- sign -0.000+/-0.000 χ^2/NDF: 48.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 8470607.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584645.7/38

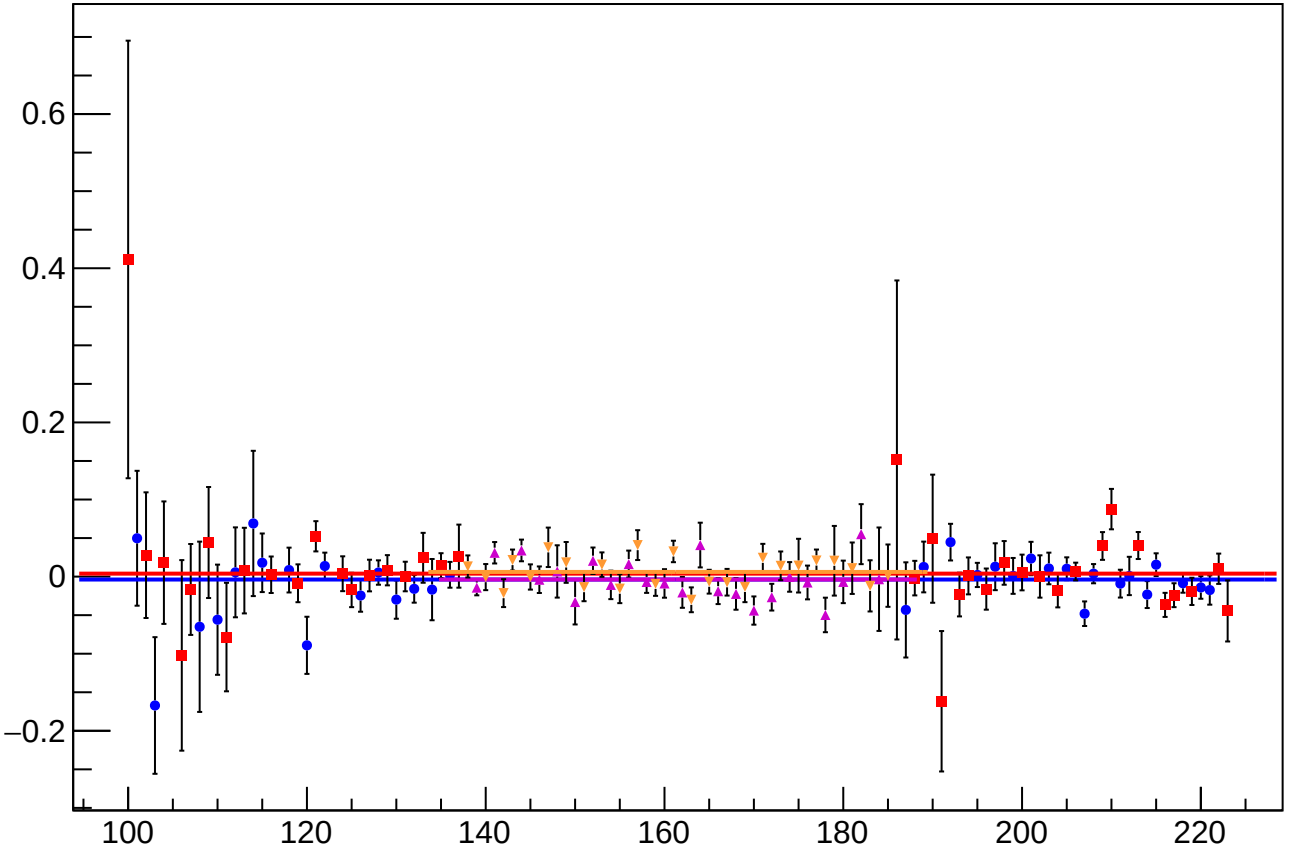
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12719930.4/58

All: 0.000+/-0.000 χ^2/NDF: 27196862.8/120

- sign 0.000+/-0.000 χ^2/NDF: 14358569.3/61

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.004 χ^2/NDF: 35.8/33

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 51.9/38

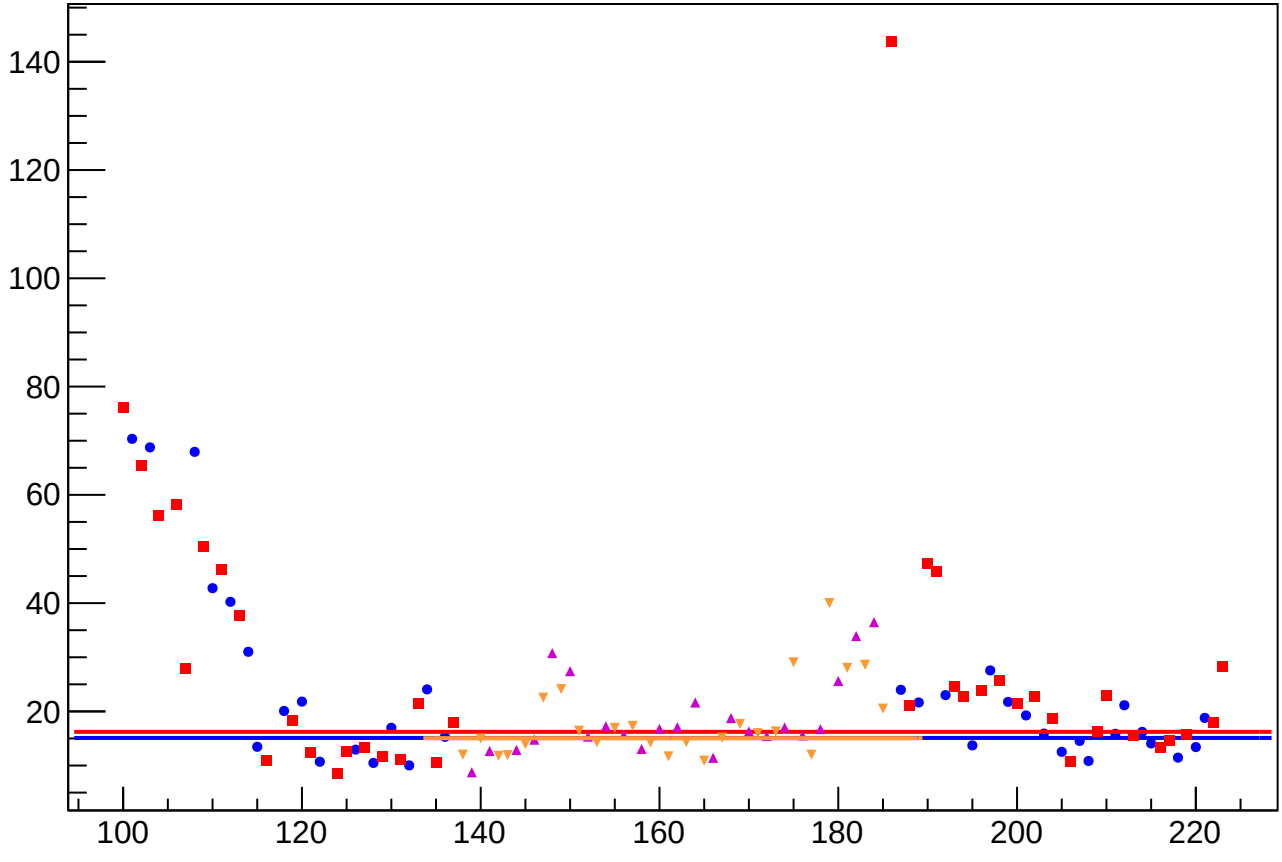
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 66.1/58

All: 0.001+/-0.002 χ^2/NDF: 157.2/120

- sign 0.000+/-0.003 χ^2/NDF: 91.0/61

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.097+/-0.003 χ^2/NDF: 5086249.3/33

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

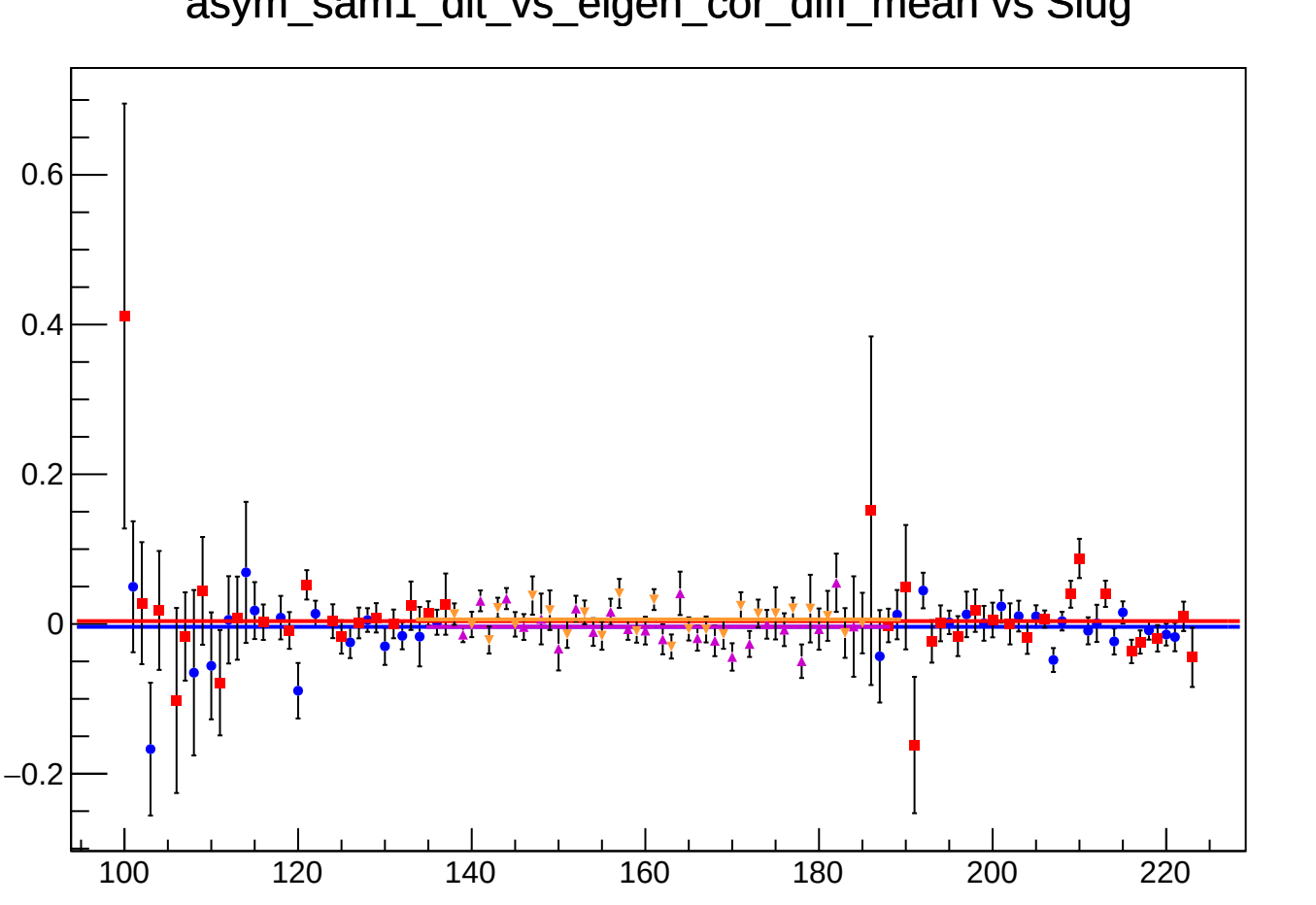
Right Out: 16.226+/-0.003 χ^2/NDF: 6842747.4/38

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.073+/-0.002 χ^2/NDF: 7844522.5/58

All: 15.343+/-0.001 χ^2/NDF: 17892287.9/120

- sign 15.646+/-0.002 χ^2/NDF: 10000559.4/61



Right In: -0.004+/-0.004 χ^2/NDF: 35.8/33

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 51.9/38

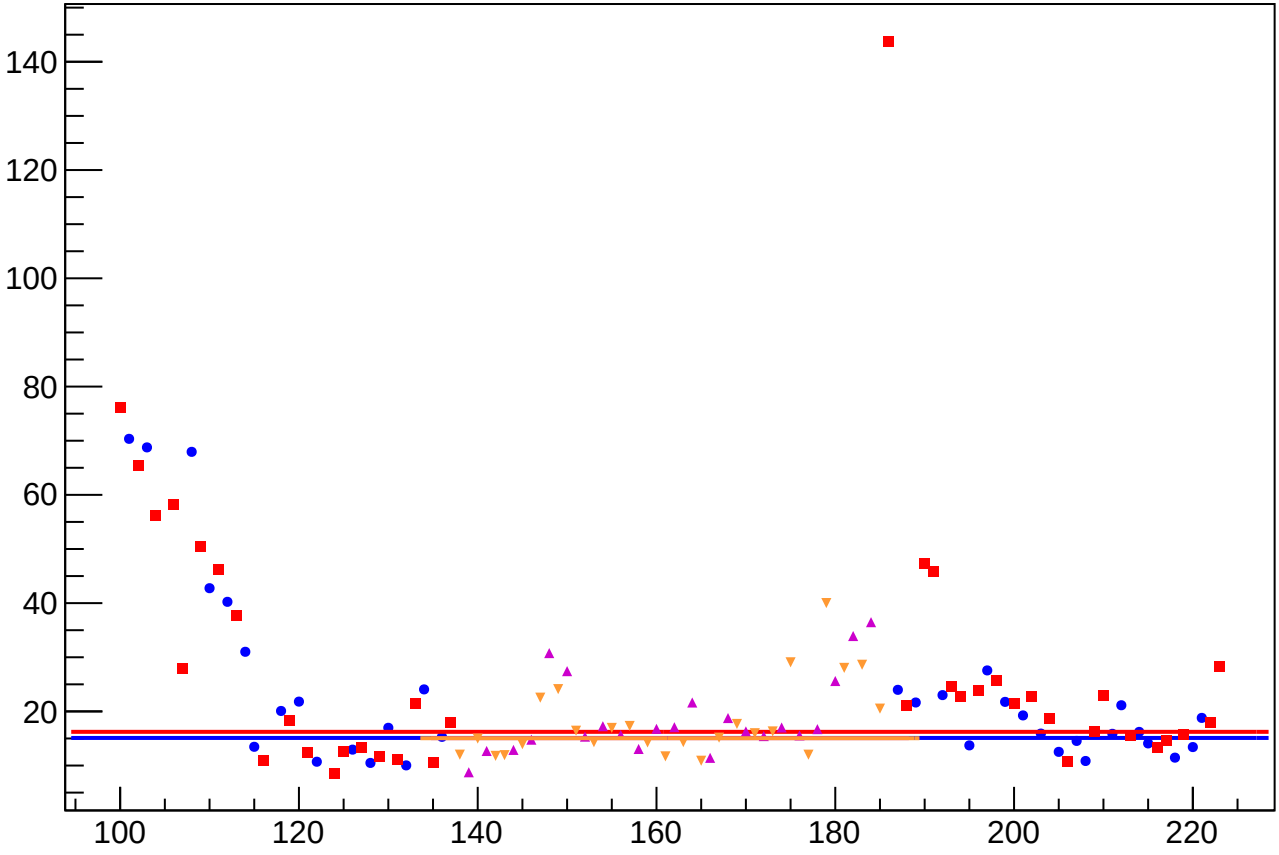
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 66.1/58

All: 0.001+/-0.002 χ^2/NDF: 157.2/120

- sign 0.000+/-0.003 χ^2/NDF: 91.0/61

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.097+/-0.003 χ^2/NDF: 5086249.3/33

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.226+/-0.003 χ^2/NDF: 6842747.4/38

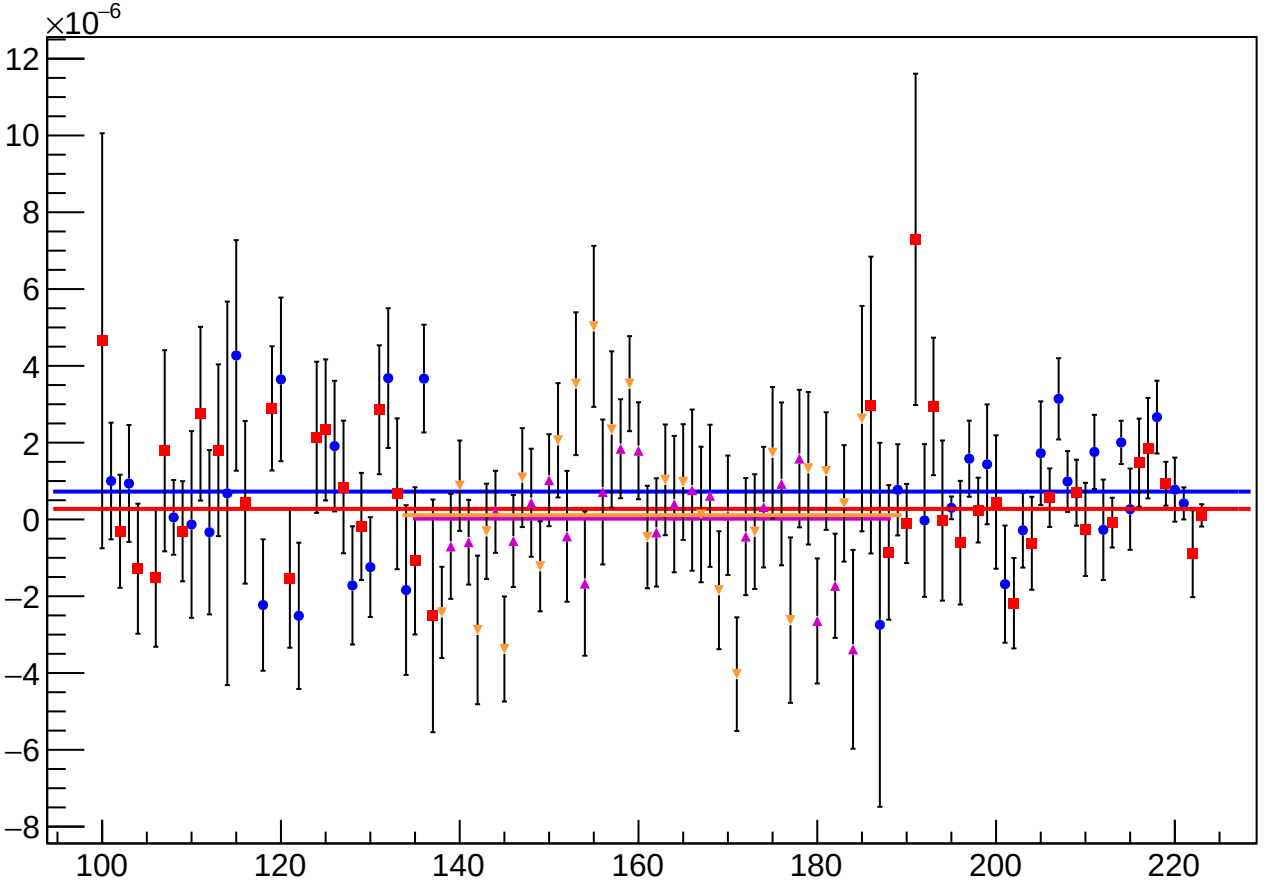
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.073+/-0.002 χ^2/NDF: 7844522.5/58

All: 15.343+/-0.001 χ^2/NDF: 17892287.9/120

- sign 15.646+/-0.002 χ^2/NDF: 10000559.4/61

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/38

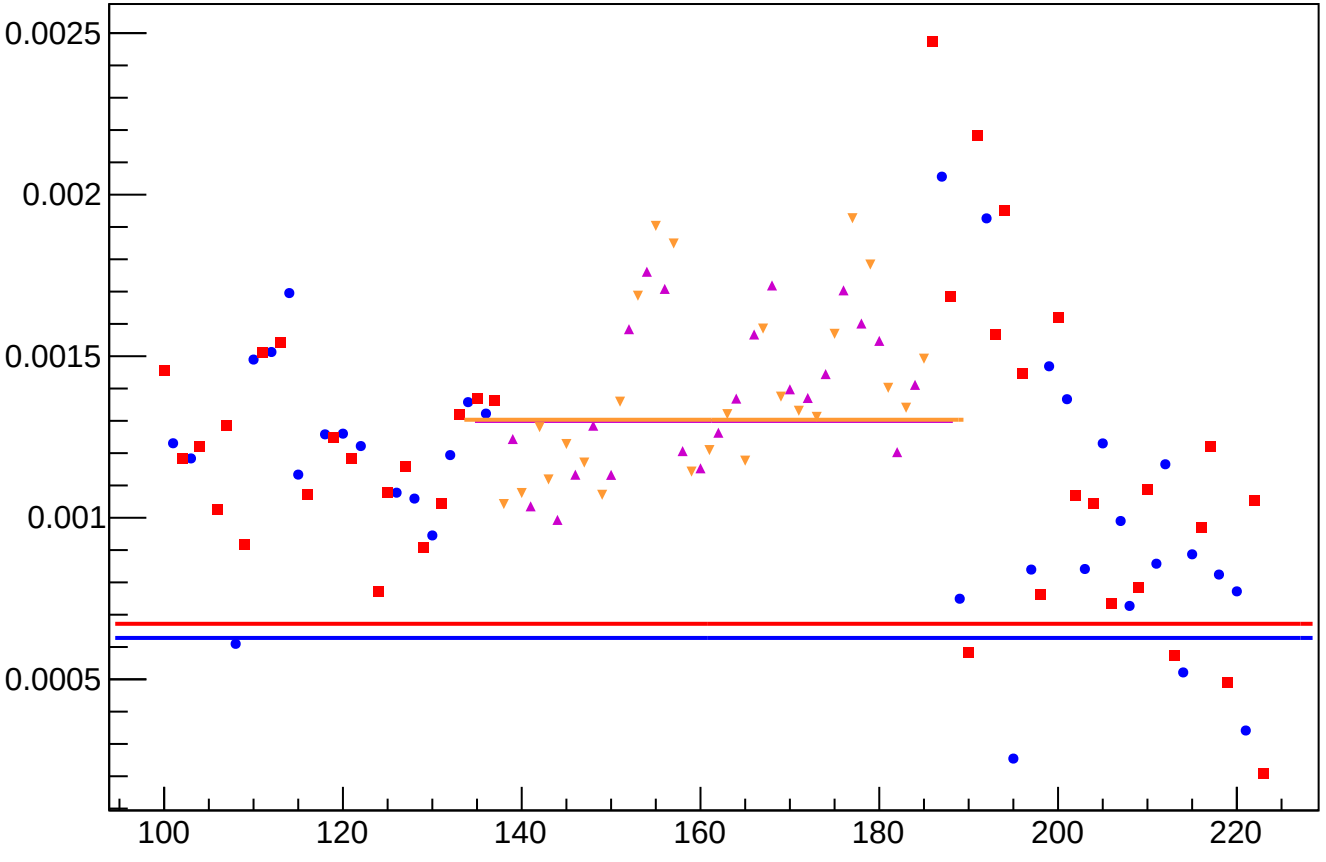
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 101.9/58

All: 0.000+/-0.000 χ^2/NDF: 151.7/120

- sign 0.000+/-0.000 χ^2/NDF: 46.5/61

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11150874.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13282890.8/38

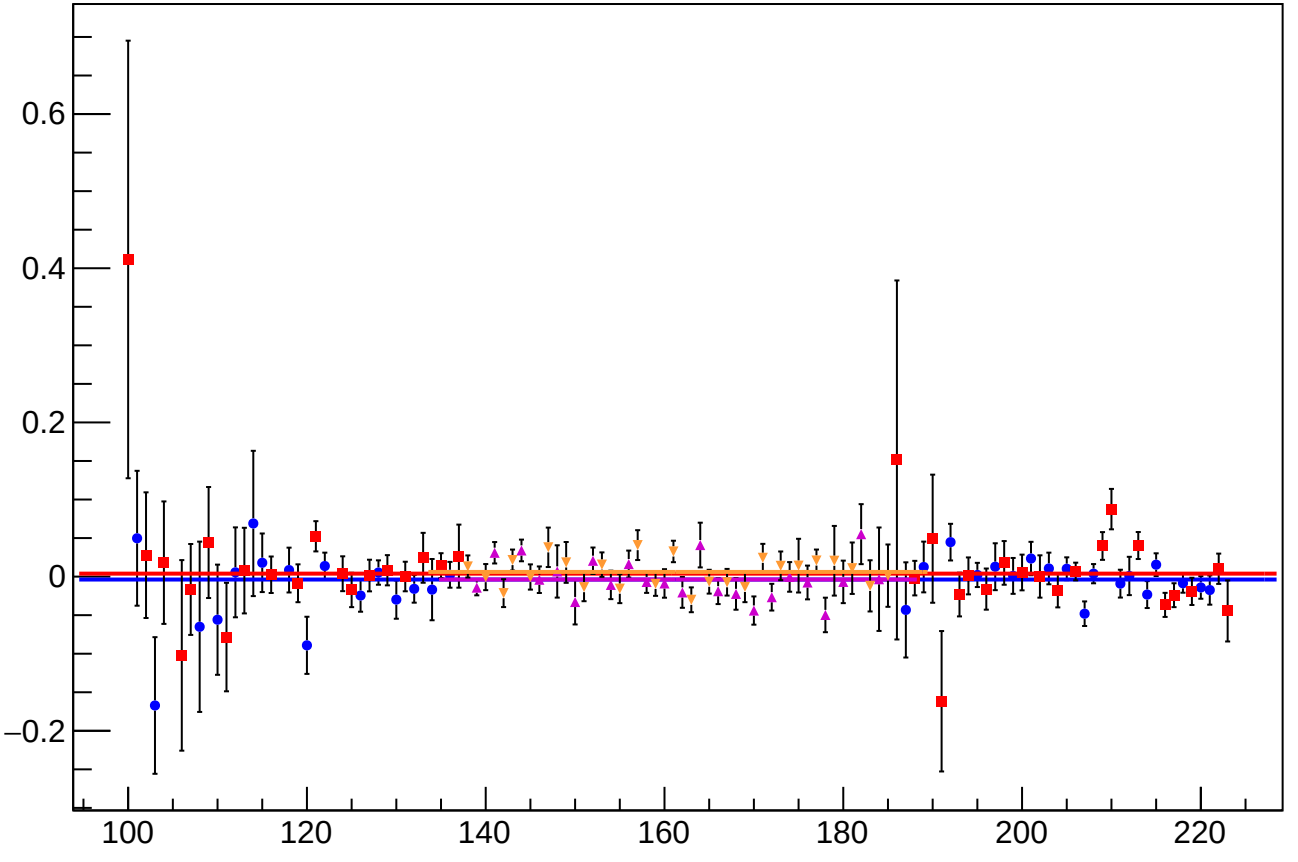
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 20112641.3/58

All: 0.001+/-0.000 χ^2/NDF: 40808700.7/120

- sign 0.001+/-0.000 χ^2/NDF: 20623971.2/61

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.004 χ^2/NDF: 35.7/33

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 51.9/38

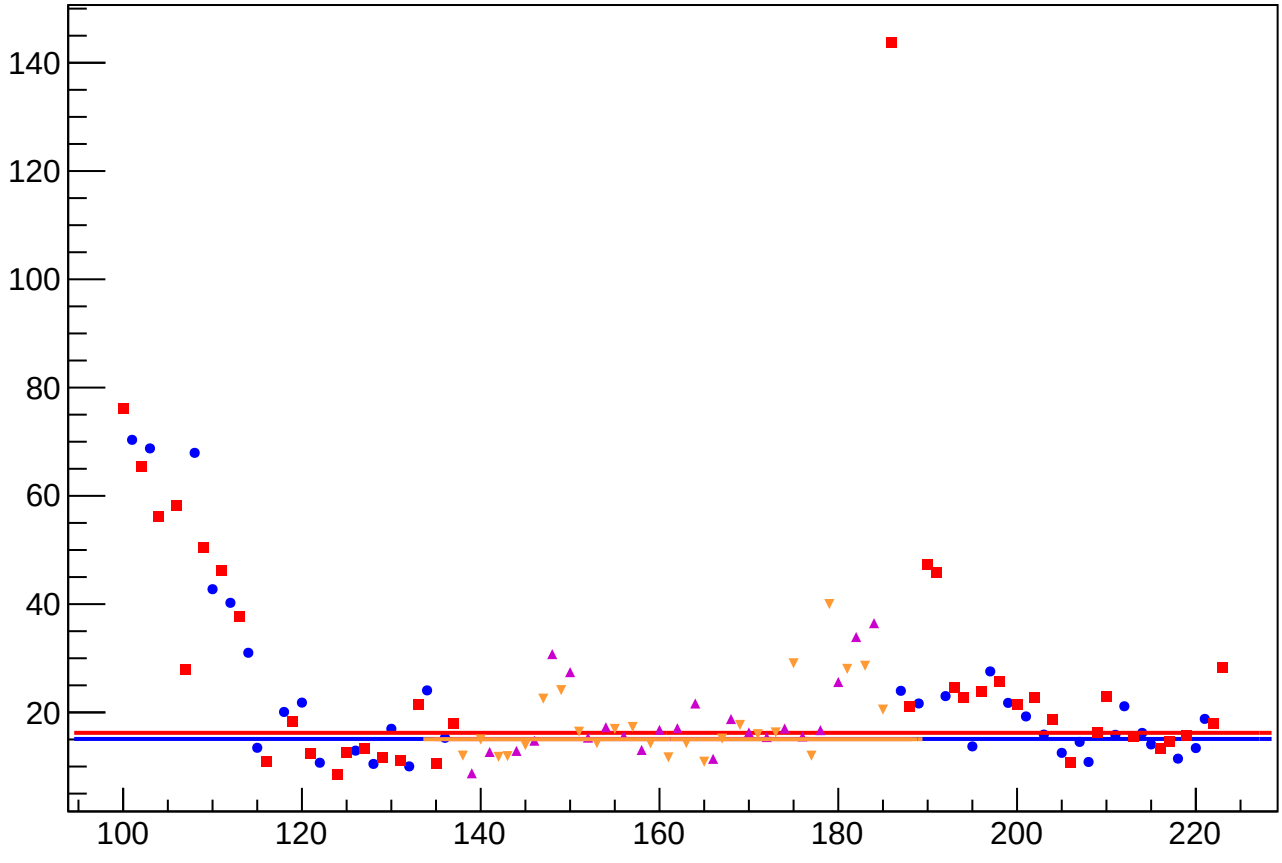
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 66.1/58

All: 0.001+/-0.002 χ^2/NDF: 157.2/120

- sign 0.000+/-0.003 χ^2/NDF: 91.0/61

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.097+/-0.003 χ^2/NDF: 5086259.0/33

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

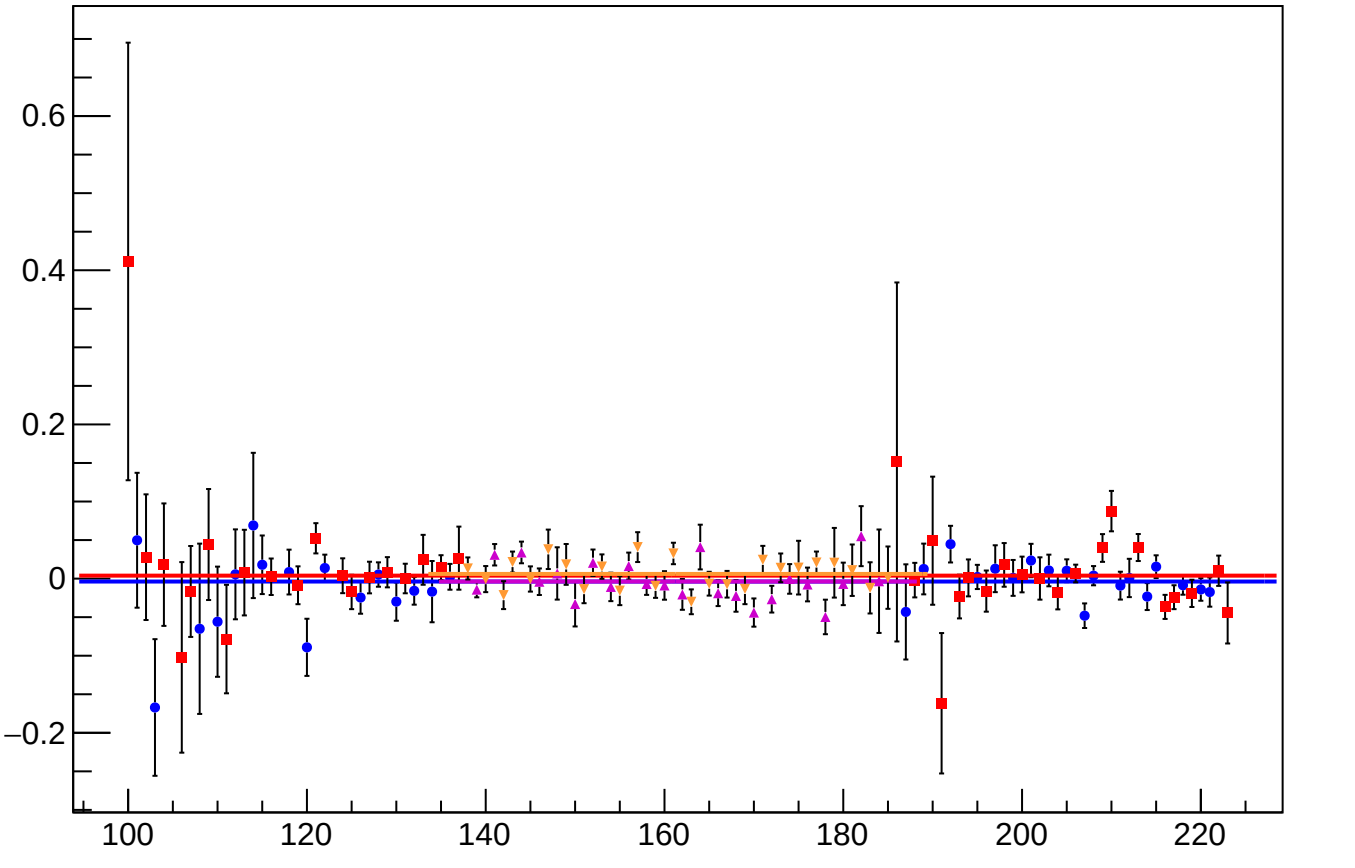
Right Out: 16.226+/-0.003 χ^2/NDF: 6842749.8/38

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.072+/-0.002 χ^2/NDF: 7844741.2/58

All: 15.343+/-0.001 χ^2/NDF: 17892546.0/120

- sign 15.646+/-0.002 χ^2/NDF: 10000587.9/61



Right In: -0.004+/-0.004 χ^2/NDF: 35.7/33

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

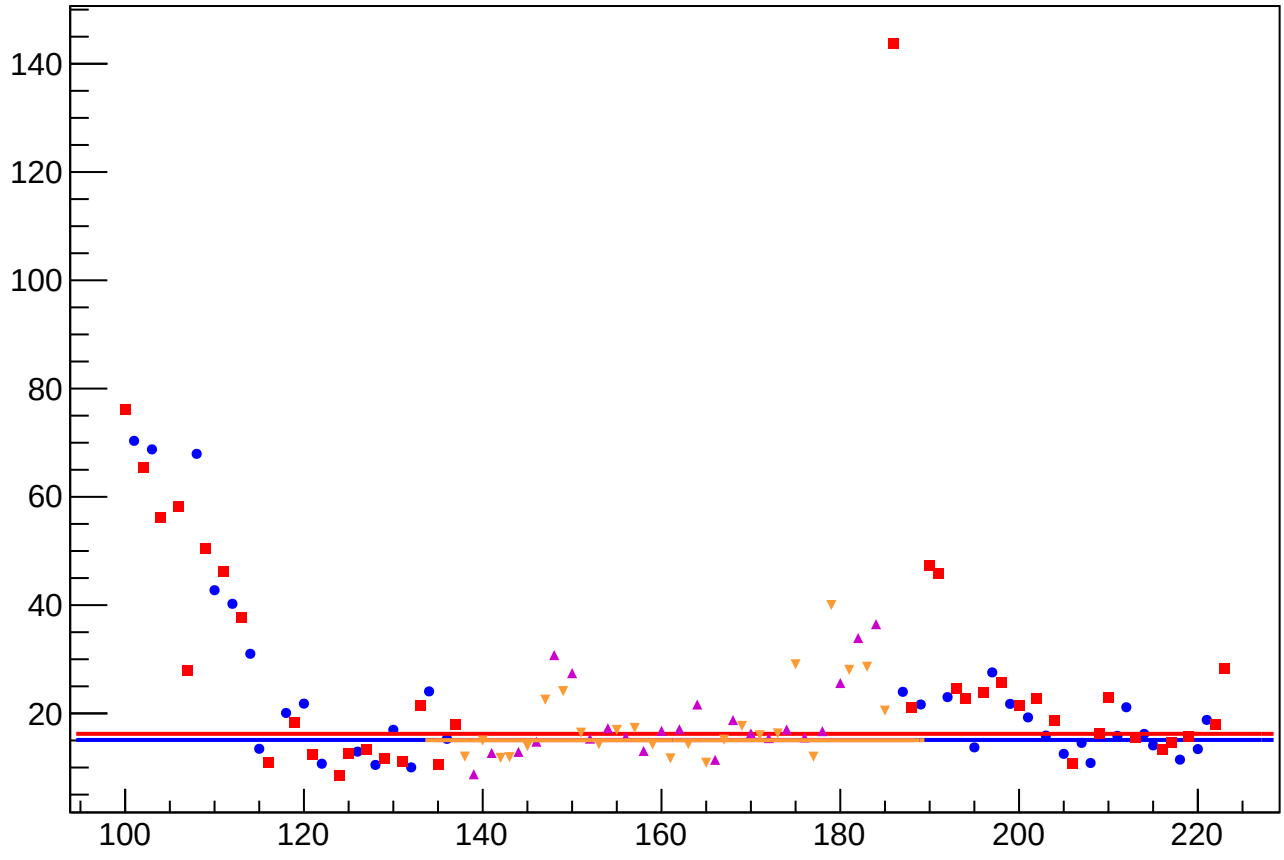
Right Out: 0.004+/-0.004 χ^2/NDF: 51.9/38

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 66.1/58

All: 0.001+/-0.002 χ^2/NDF: 157.2/120

- sign 0.000+/-0.003 χ^2/NDF: 91.0/61



Right In: 15.097+/-0.003 χ^2/NDF: 5086259.0/33

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.226+/-0.003 χ^2/NDF: 6842749.8/38

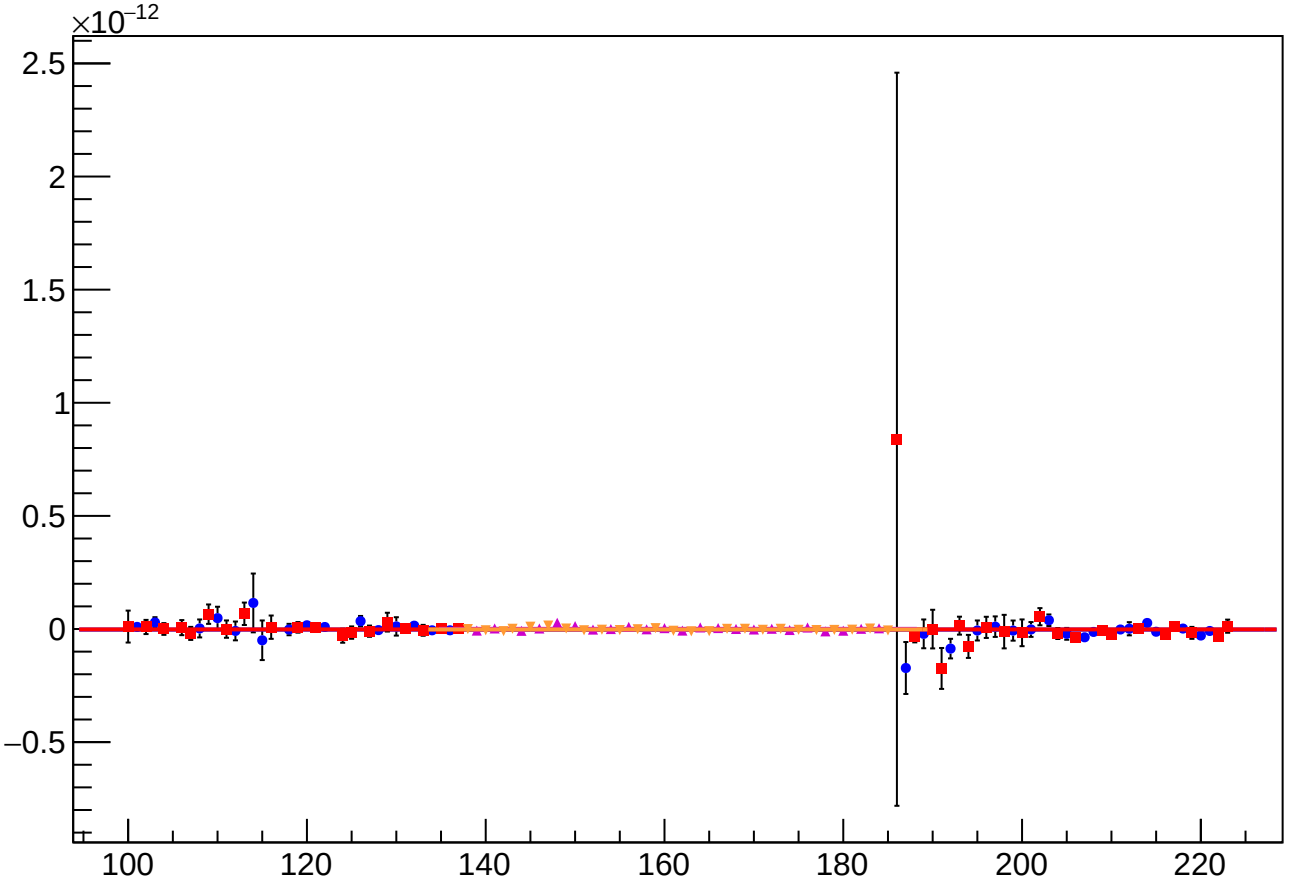
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.072+/-0.002 χ^2/NDF: 7844741.2/58

All: 15.343+/-0.001 χ^2/NDF: 17892546.0/120

- sign 15.646+/-0.002 χ^2/NDF: 10000587.9/61

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

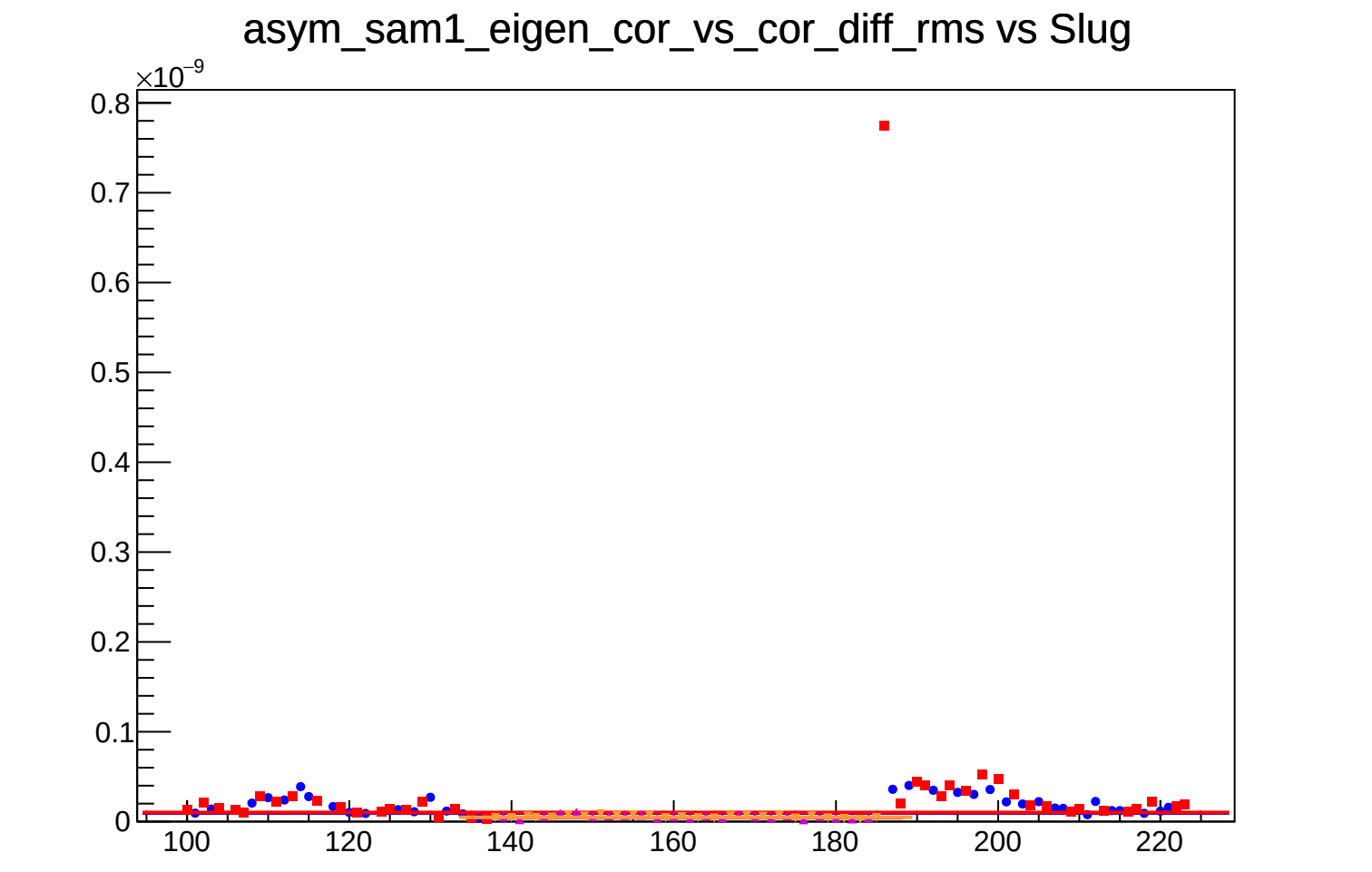
Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/38

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.3/58

All: -0.000+/-0.000 χ^2/NDF: 98.0/120

- sign 0.000+/-0.000 χ^2/NDF: 51.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 9702057.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12155731.3/38

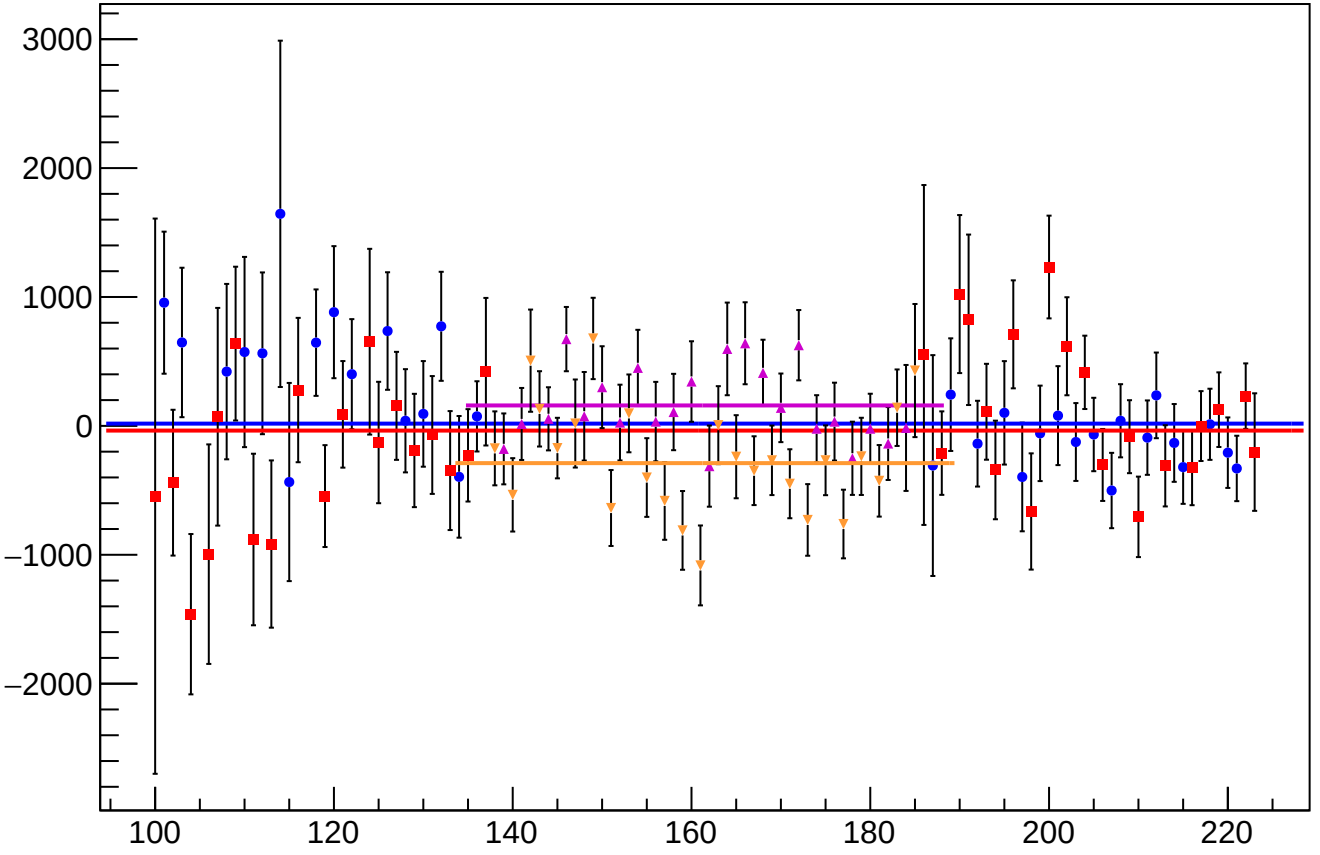
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16037149.6/58

All: 0.000+/-0.000 χ^2/NDF: 37559806.5/120

- sign 0.000+/-0.000 χ^2/NDF: 21381098.1/61

reg_asym_sam2_mean vs Slug



Right In: 17.578+/-63.739 χ^2/NDF: 30.0/33

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -36.387+/-64.833 χ^2/NDF: 52.1/38

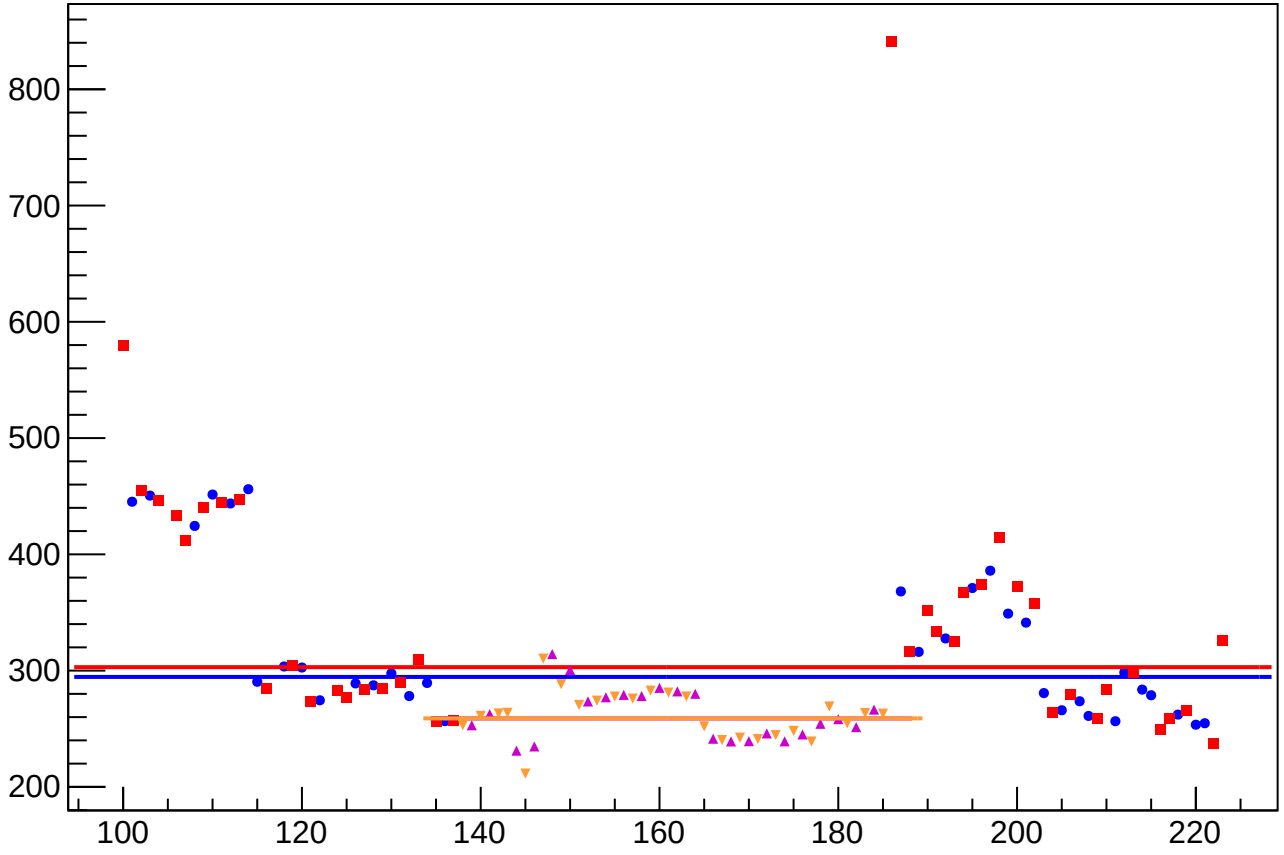
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -147.399+/-43.312 χ^2/NDF: 84.9/58

All: -42.402+/-30.974 χ^2/NDF: 176.3/120

- sign 67.508+/-44.313 χ^2/NDF: 79.4/61

reg_asym_sam2_rms vs Slug



Right In: 294.565+/-0.045 χ^2/NDF: 1156118.1/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 302.982+/-0.046 χ^2/NDF: 1838875.6/38

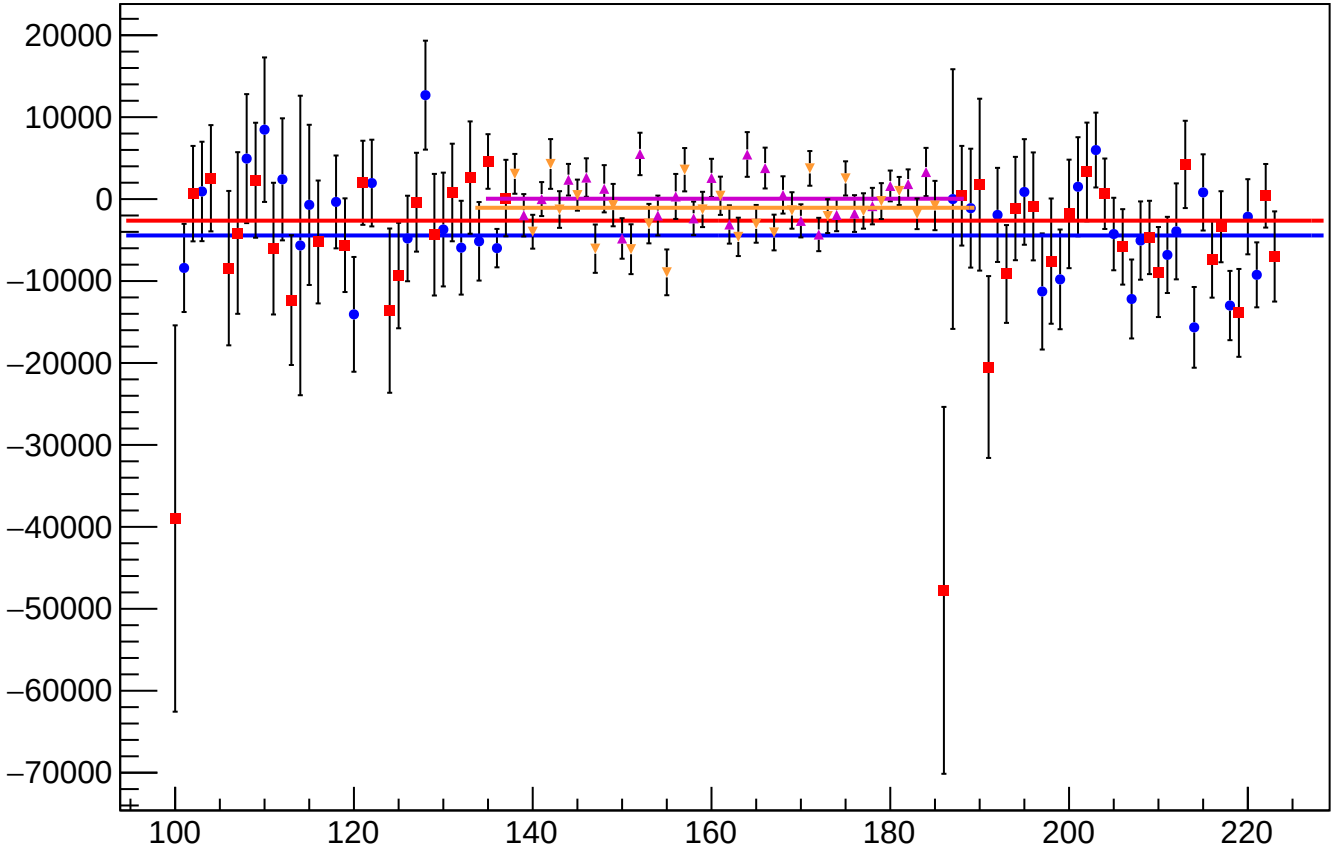
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.374+/-0.031 χ^2/NDF: 1741677.2/58

All: 277.372+/-0.022 χ^2/NDF: 4328151.2/120

- sign 279.464+/-0.031 χ^2/NDF: 2577763.4/61

asym_sam2_reg_correction_mean vs Slug



Right In: -4437.958+/-907.846 χ^2/NDF: 41.1/33

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -2631.146+/-943.731 χ^2/NDF: 36.3/38

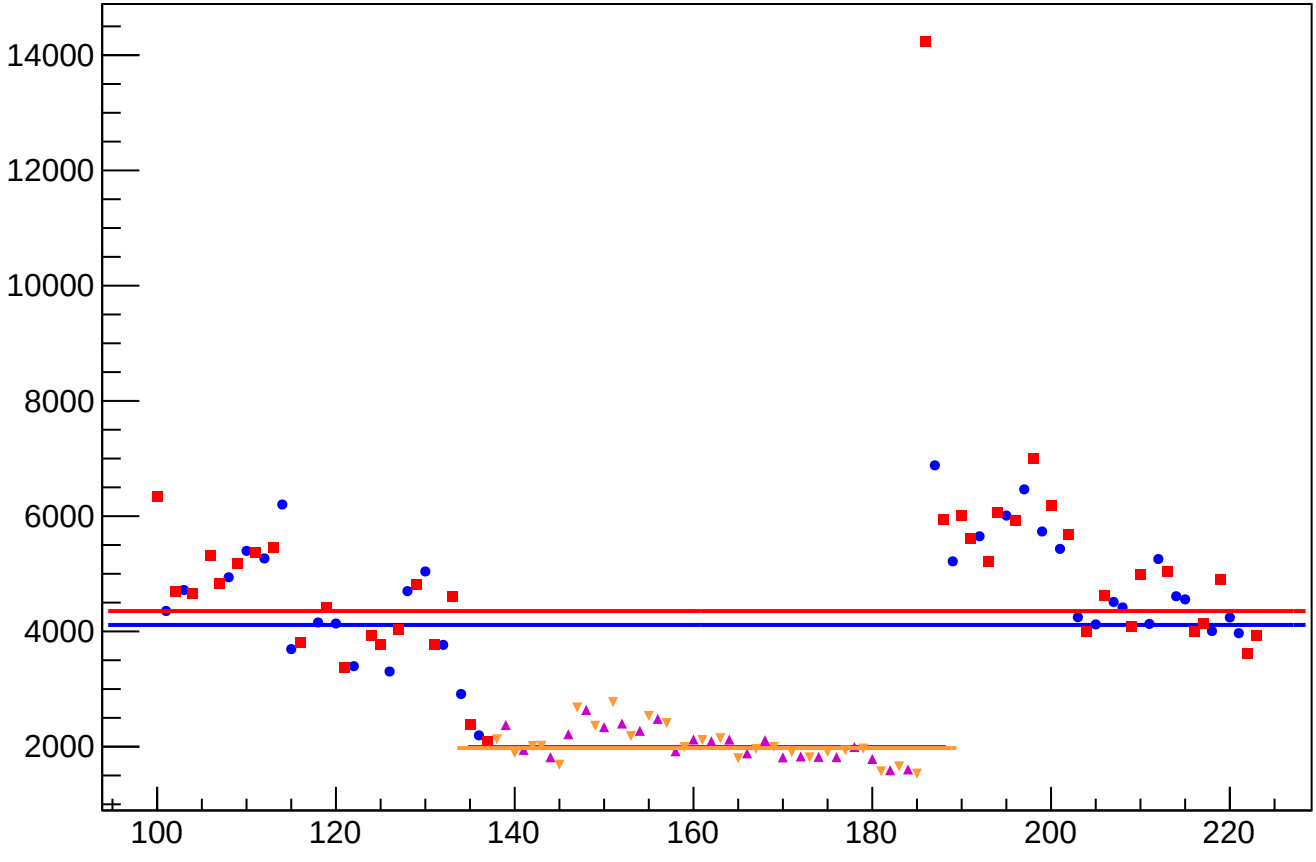
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1736.713+/-406.523 χ^2/NDF: 93.7/58

All: -1134.820+/-292.511 χ^2/NDF: 175.1/120

- sign -488.635+/-421.215 χ^2/NDF: 76.9/61

asym_sam2_reg_correction_rms vs Slug



Right In: 4112.549+/-0.642 χ^2/NDF: 2797985.6/33

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4353.272+/-0.667 χ^2/NDF: 3061635.5/38

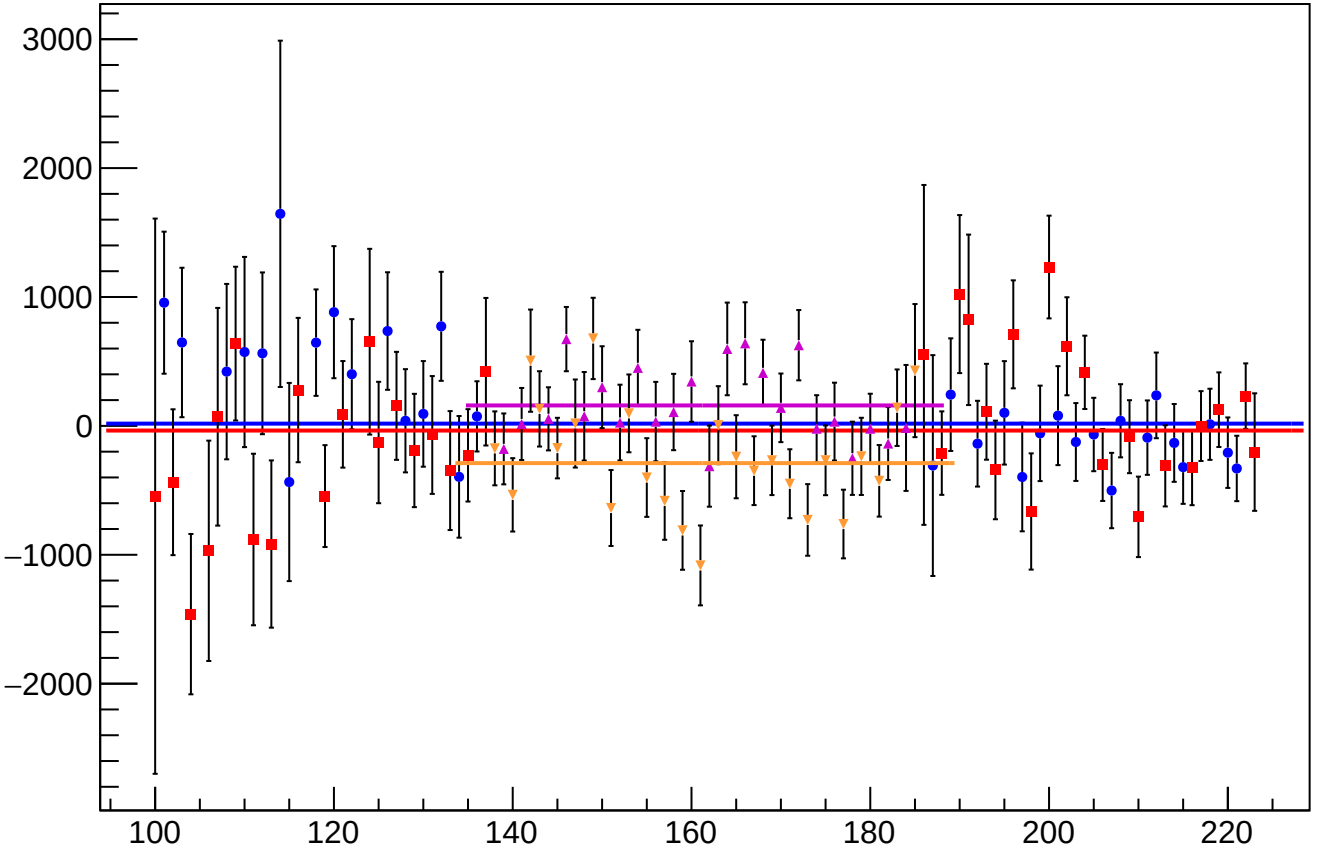
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2404.383+/-0.287 χ^2/NDF: 12417679.8/58

All: 2433.423+/-0.207 χ^2/NDF: 26103433.8/1

- sign 2464.599+/-0.298 χ^2/NDF: 13664591.6/61

cor_asym_sam2_mean vs Slug



Right In: 17.556+/-63.739 χ^2/NDF: 30.0/33

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -36.132+/-64.835 χ^2/NDF: 52.0/38

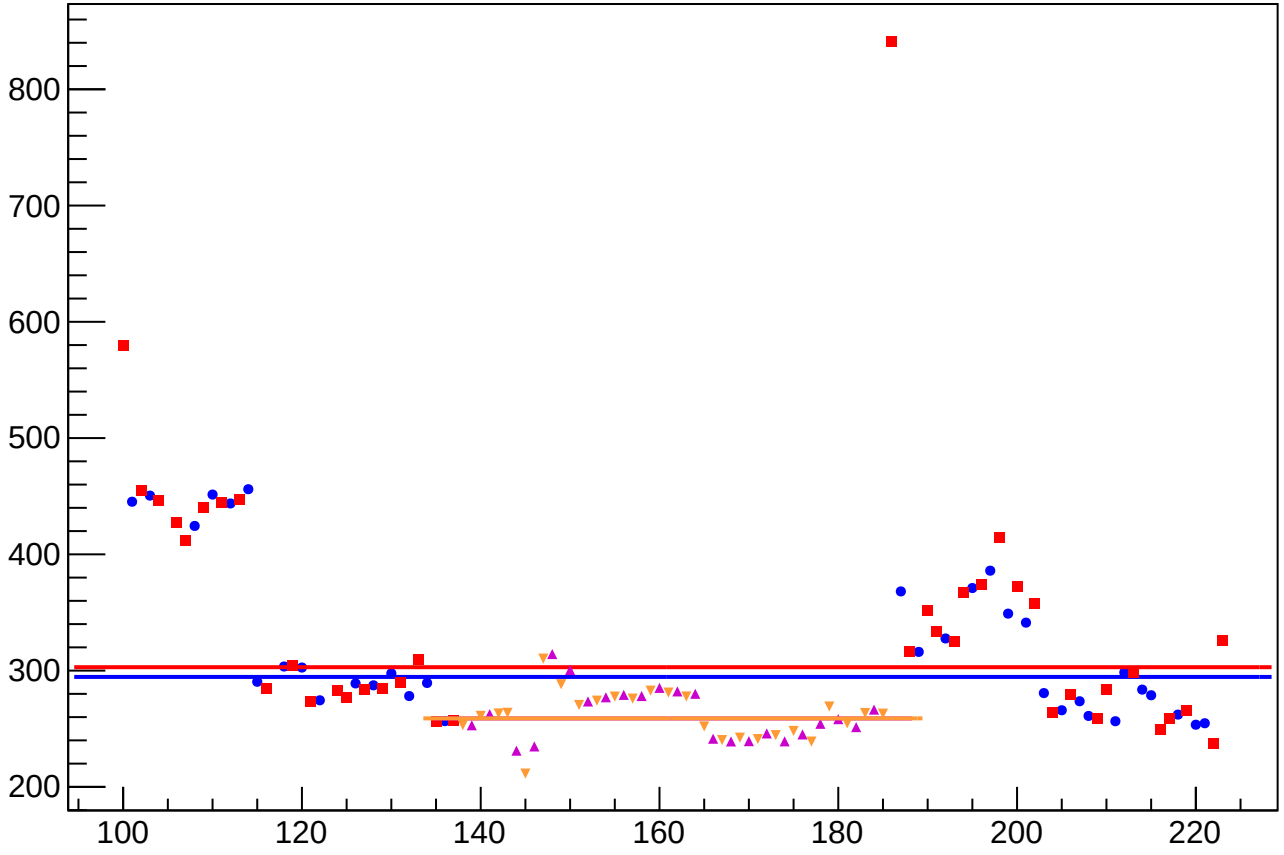
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.411+/-43.312 χ^2/NDF: 84.9/58

All: -42.348+/-30.974 χ^2/NDF: 176.2/120

- sign 67.635+/-44.314 χ^2/NDF: 79.3/61

cor_asym_sam2_rms vs Slug



Right In: 294.565+/-0.045 χ^2/NDF: 1156119.6/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 302.938+/-0.046 χ^2/NDF: 1834015.1/38

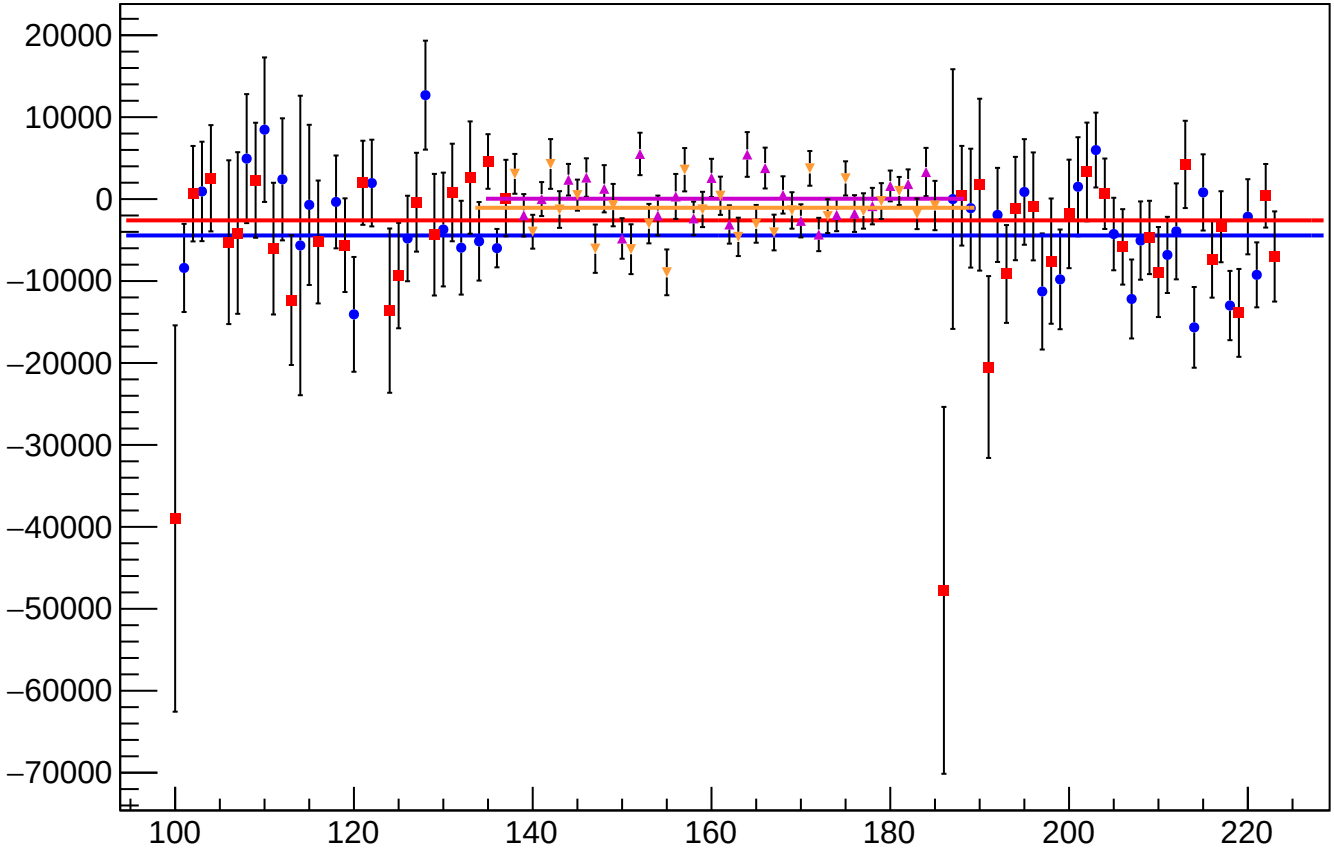
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.374+/-0.031 χ^2/NDF: 1741678.8/58

All: 277.362+/-0.022 χ^2/NDF: 4322203.6/120

- sign 279.442+/-0.031 χ^2/NDF: 2571904.2/61

asym_sam2_cor_correction_mean vs Slug



Right In: -4437.943+/-907.847 χ^2/NDF: 41.1/33

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2596.656+/-944.272 χ^2/NDF: 36.0/38

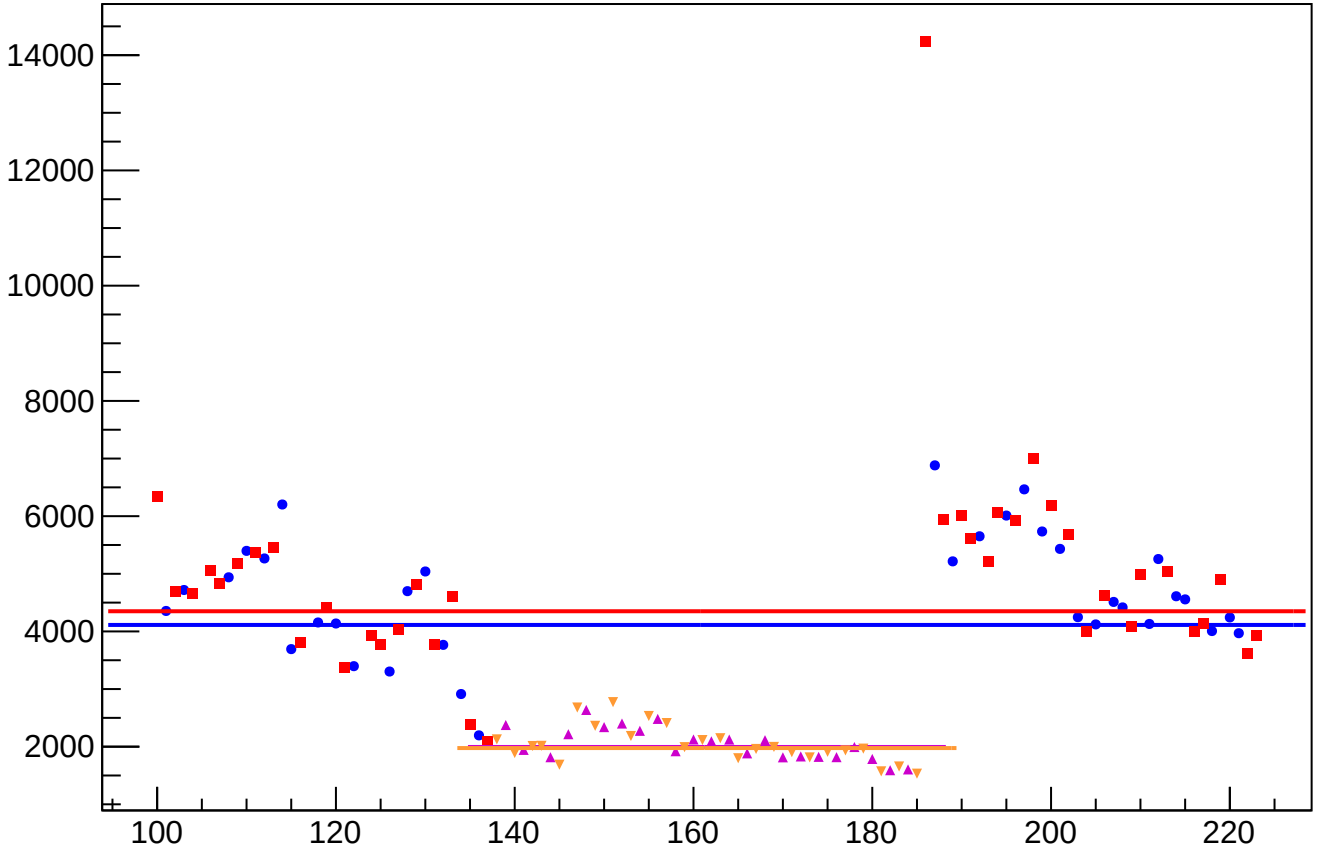
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1736.712+/-406.523 χ^2/NDF: 93.7/58

All: -1131.346+/-292.527 χ^2/NDF: 174.7/120

- sign -481.284+/-421.263 χ^2/NDF: 76.4/61

asym_sam2_cor_correction_rms vs Slug



Right In: 4112.553+/-0.642 χ^2/NDF: 2797993.5/33

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4350.062+/-0.668 χ^2/NDF: 3051185.7/38

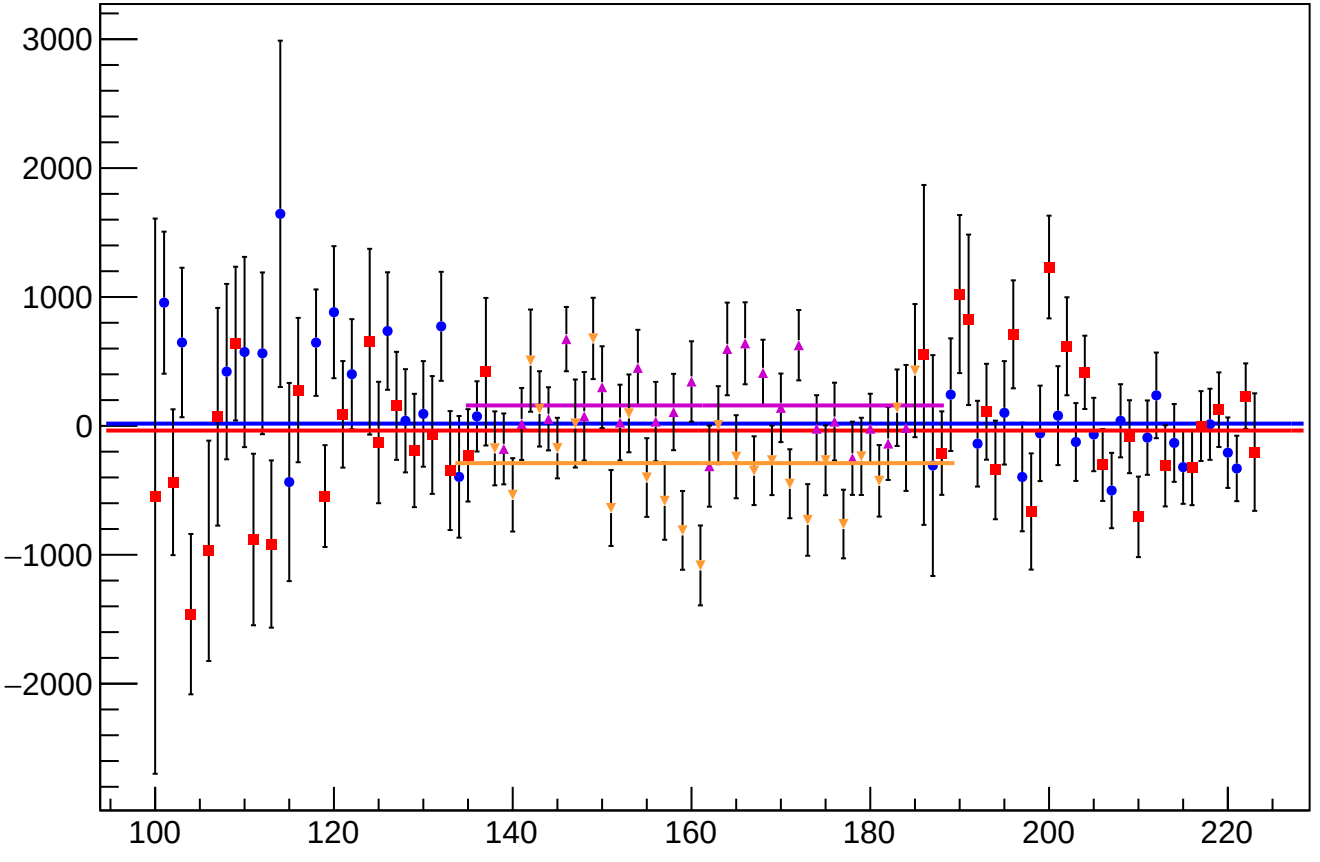
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2404.383+/-0.287 χ^2/NDF: 12417701.3/58

All: 2432.903+/-0.207 χ^2/NDF: 26055884.0/1

- sign 2463.529+/-0.298 χ^2/NDF: 13617768.2/61

eigen_cor_asym_sam2_mean vs Slug



Right In: 17.556+/-63.739 χ^2/NDF: 30.0/33

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -36.132+/-64.835 χ^2/NDF: 52.0/38

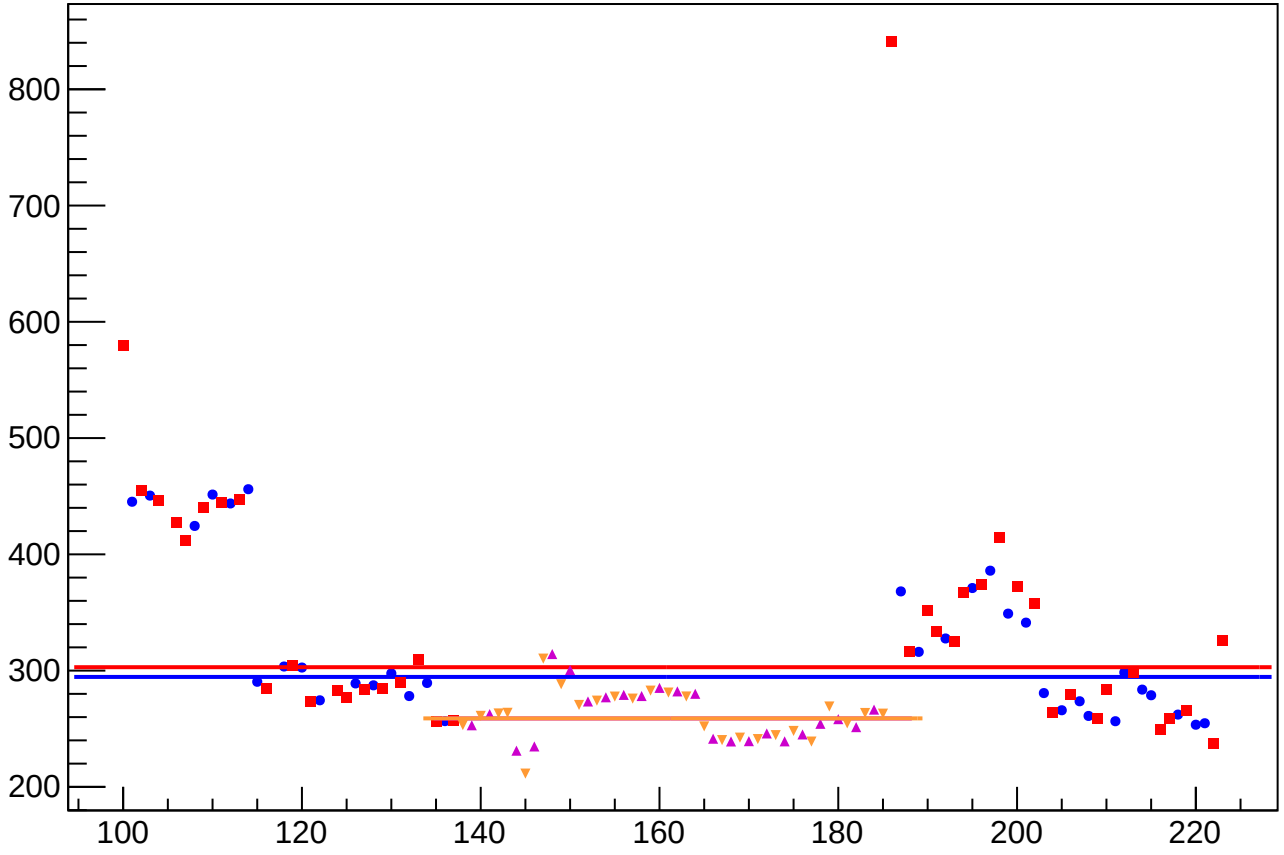
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.411+/-43.312 χ^2/NDF: 84.9/58

All: -42.348+/-30.974 χ^2/NDF: 176.2/120

- sign 67.635+/-44.314 χ^2/NDF: 79.3/61

eigen_cor_asym_sam2_rms vs Slug



Right In: 294.565+/-0.045 χ^2/NDF: 1156119.6/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

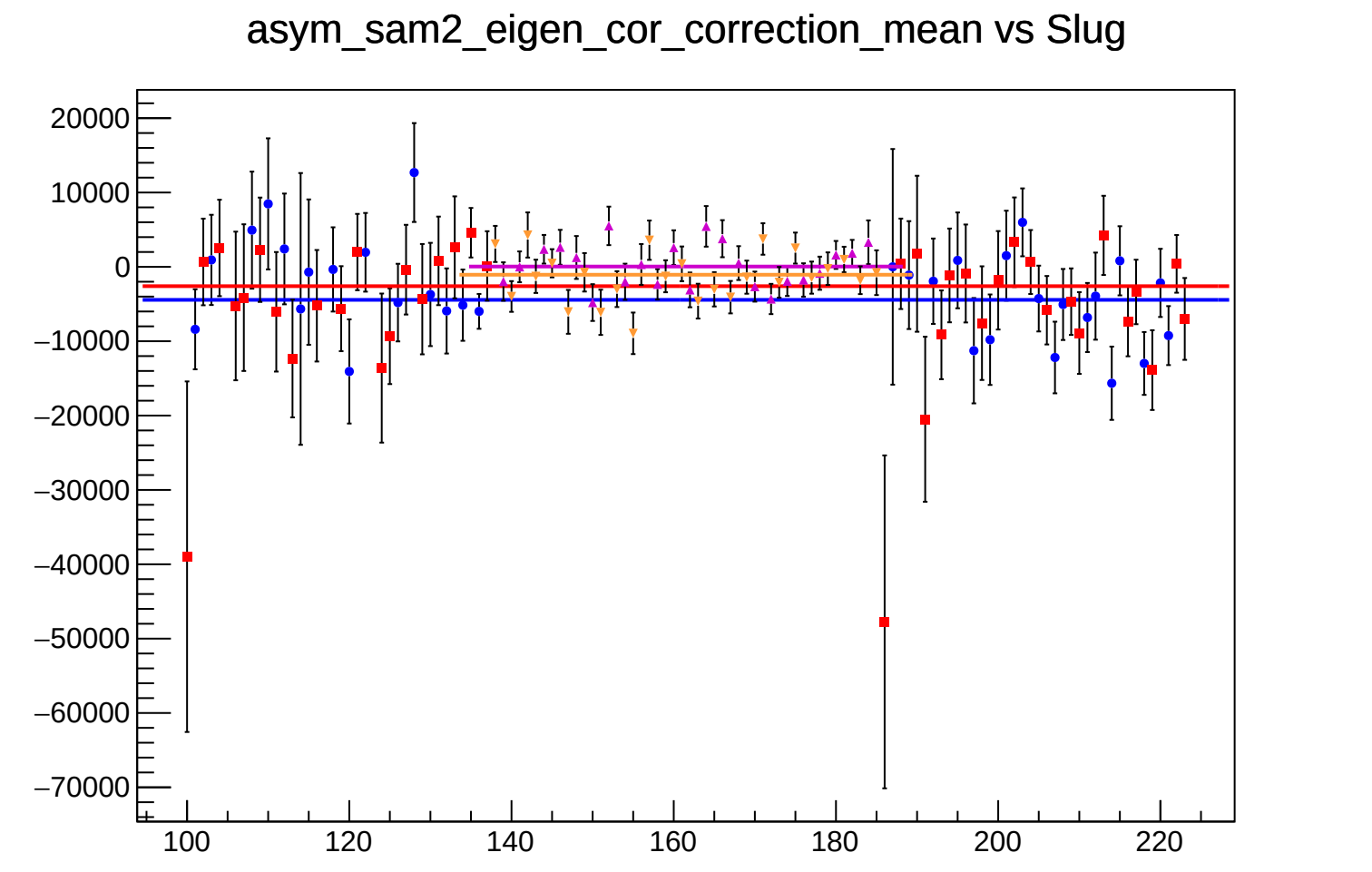
Right Out: 302.938+/-0.046 χ^2/NDF: 1834015.1/38

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.374+/-0.031 χ^2/NDF: 1741678.8/58

All: 277.362+/-0.022 χ^2/NDF: 4322203.6/120

- sign 279.442+/-0.031 χ^2/NDF: 2571904.2/61



Right In: -4437.943+/-907.847 χ^2/NDF: 41.1/33

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2596.656+/-944.272 χ^2/NDF: 36.0/38

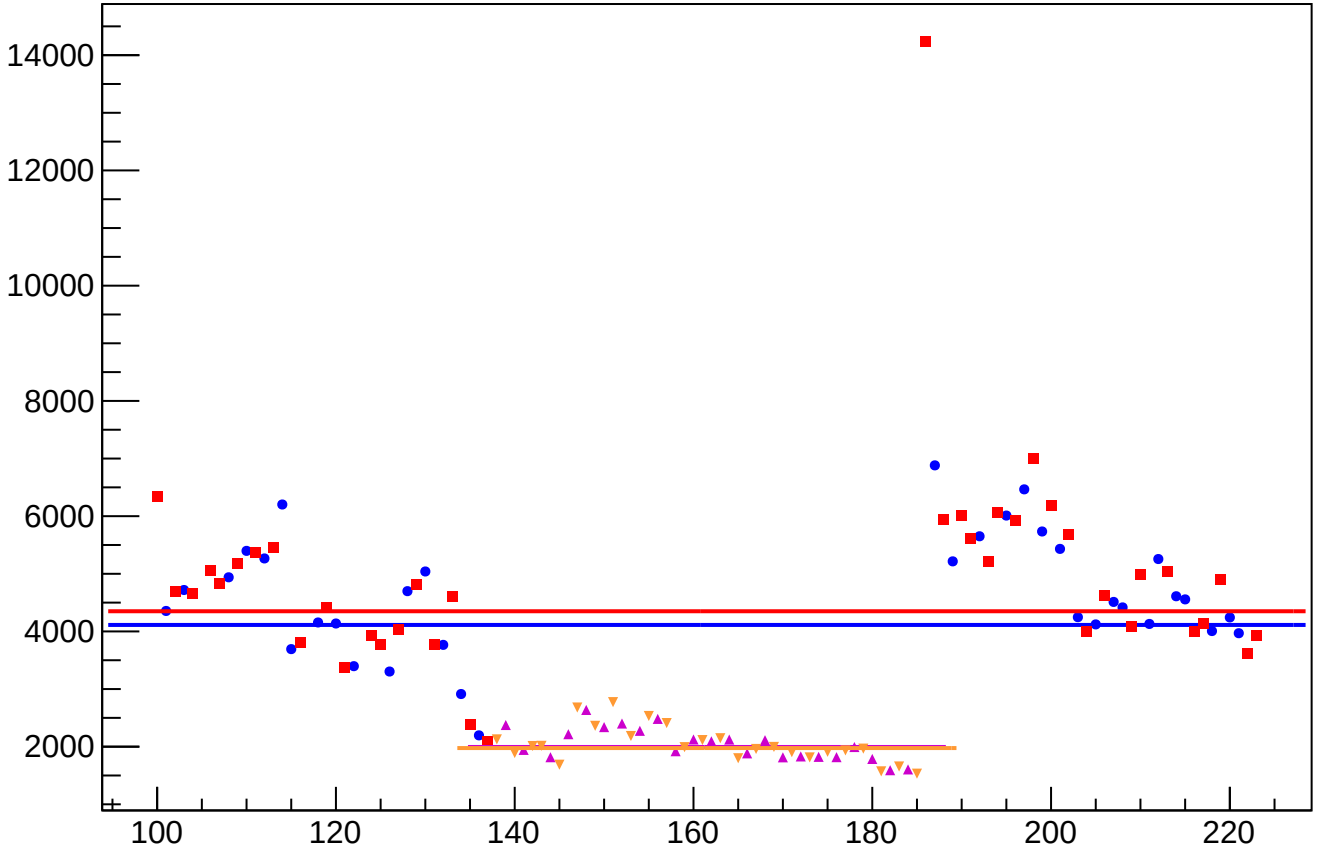
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1736.712+/-406.523 χ^2/NDF: 93.7/58

All: -1131.346+/-292.527 χ^2/NDF: 174.7/120

- sign -481.284+/-421.263 χ^2/NDF: 76.4/61

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4112.553+/-0.642 χ^2/NDF: 2797993.5/33

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

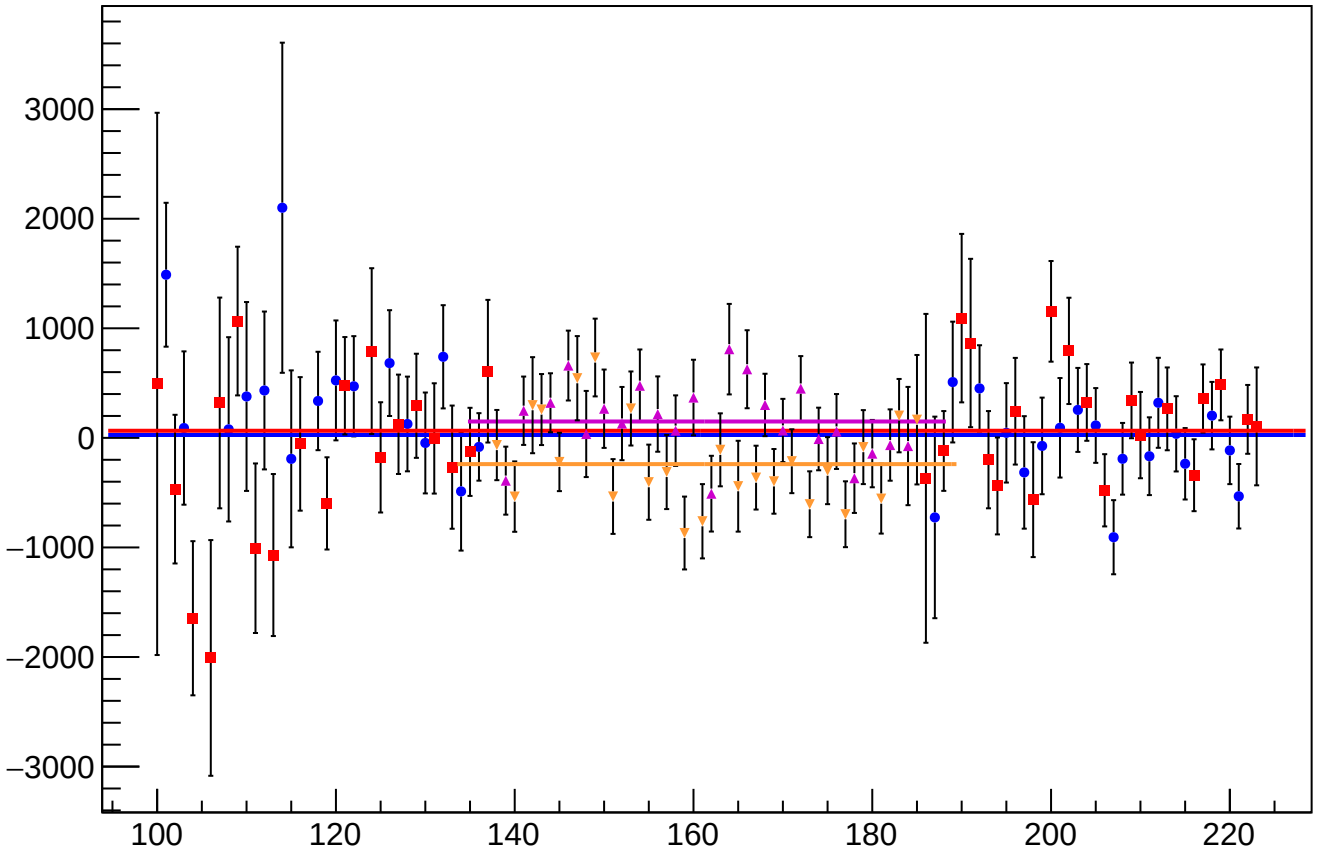
Right Out: 4350.062+/-0.668 χ^2/NDF: 3051185.7/38

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2404.383+/-0.287 χ^2/NDF: 12417701.3/58

All: 2432.903+/-0.207 χ^2/NDF: 26055884.0/1

- sign 2463.529+/-0.298 χ^2/NDF: 13617768.2/61



Right In: 26.263+/-73.650 χ^2/NDF: 32.1/33

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 64.939+/-75.284 χ^2/NDF: 45.6/38

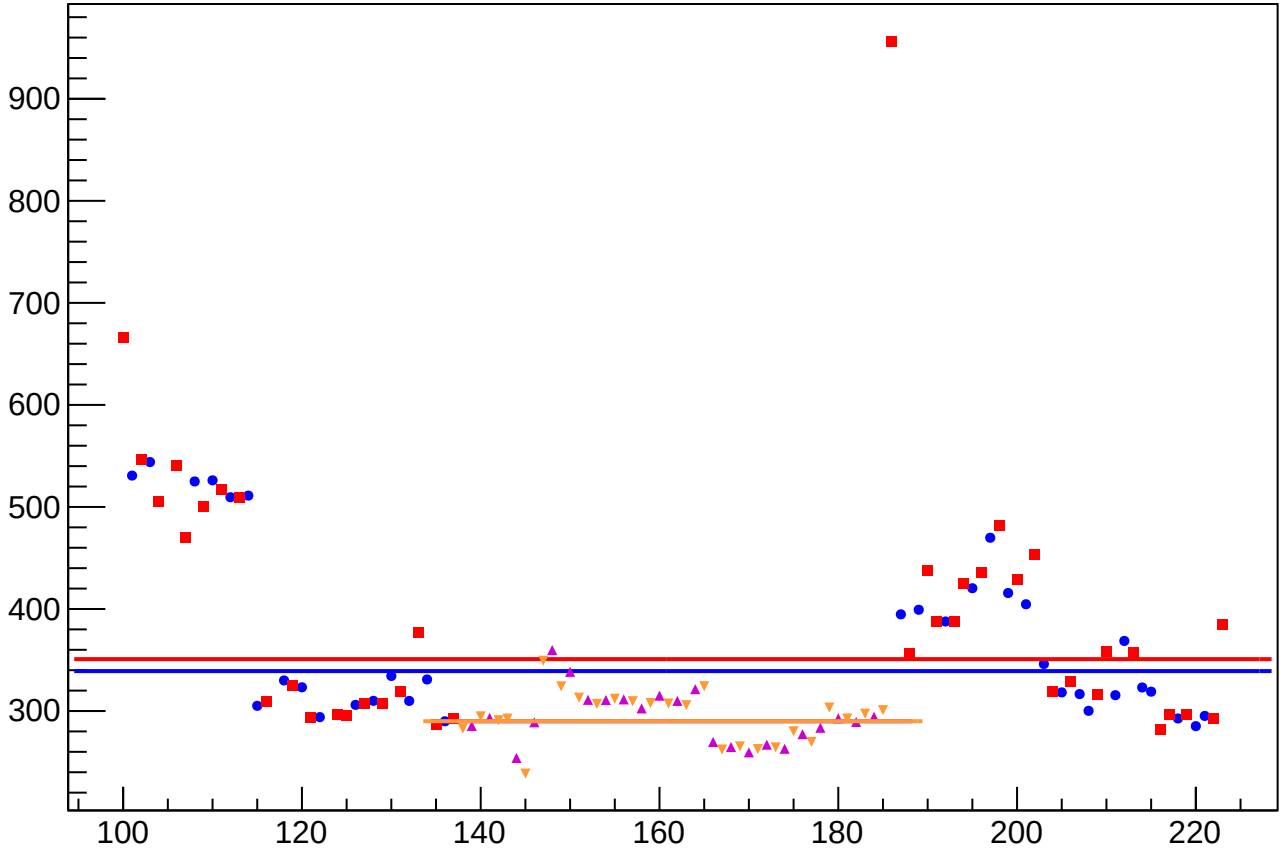
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -120.827+/-49.221 χ^2/NDF: 73.4/58

All: -7.747+/-35.257 χ^2/NDF: 152.2/120

- sign 111.418+/-50.528 χ^2/NDF: 68.0/61

dit_asym_sam2_rms vs Slug



Right In: 339.131+/-0.052 χ^2/NDF: 1359929.2/33

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 350.874+/-0.053 χ^2/NDF: 1954165.2/38

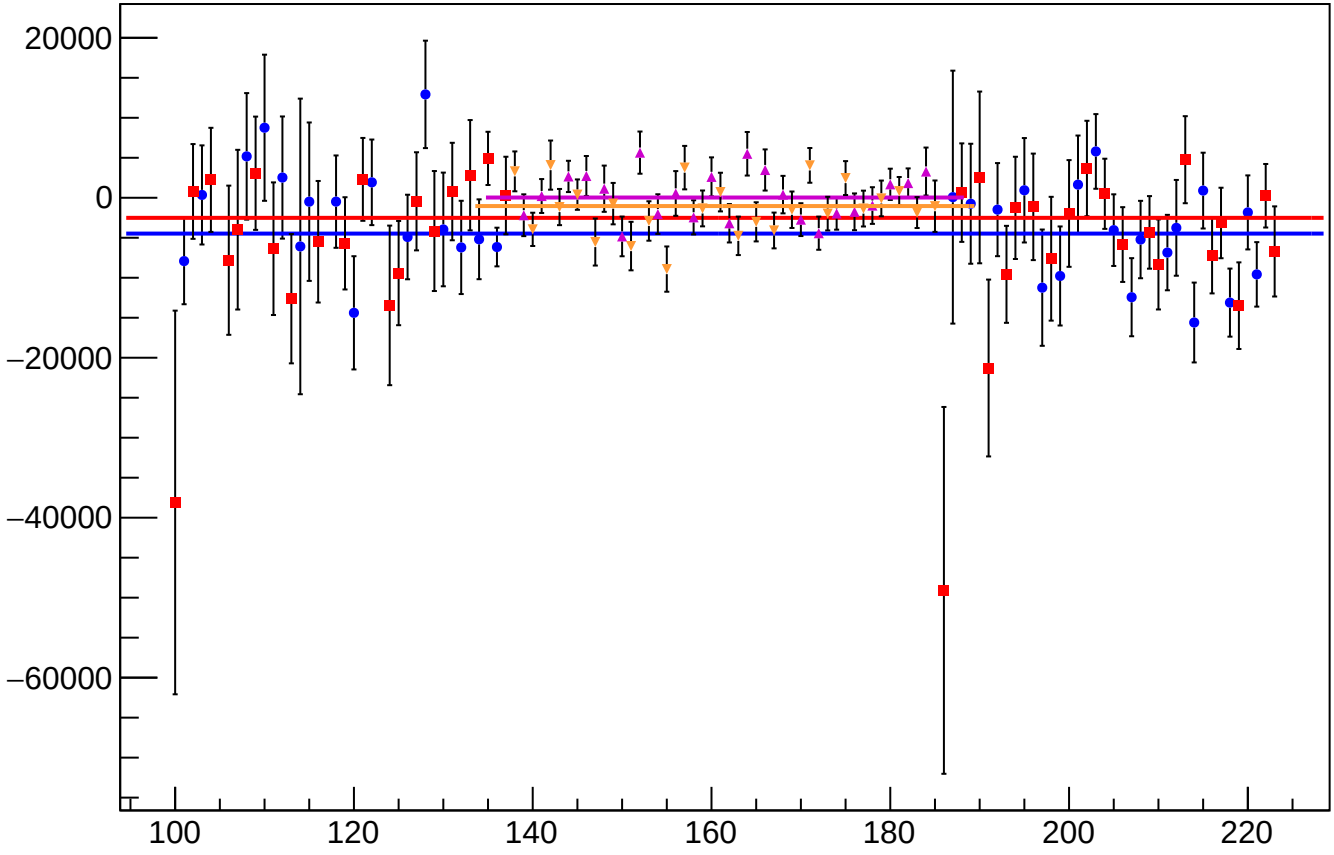
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 311.956+/-0.035 χ^2/NDF: 2132615.1/58

All: 314.601+/-0.025 χ^2/NDF: 5088314.6/120

- sign 317.389+/-0.036 χ^2/NDF: 2943836.4/61

asym_sam2_dit_correction_mean vs Slug



Right In: -4478.947+/-924.673 χ^2/NDF: 40.8/33

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -2510.569+/-956.838 χ^2/NDF: 36.4/38

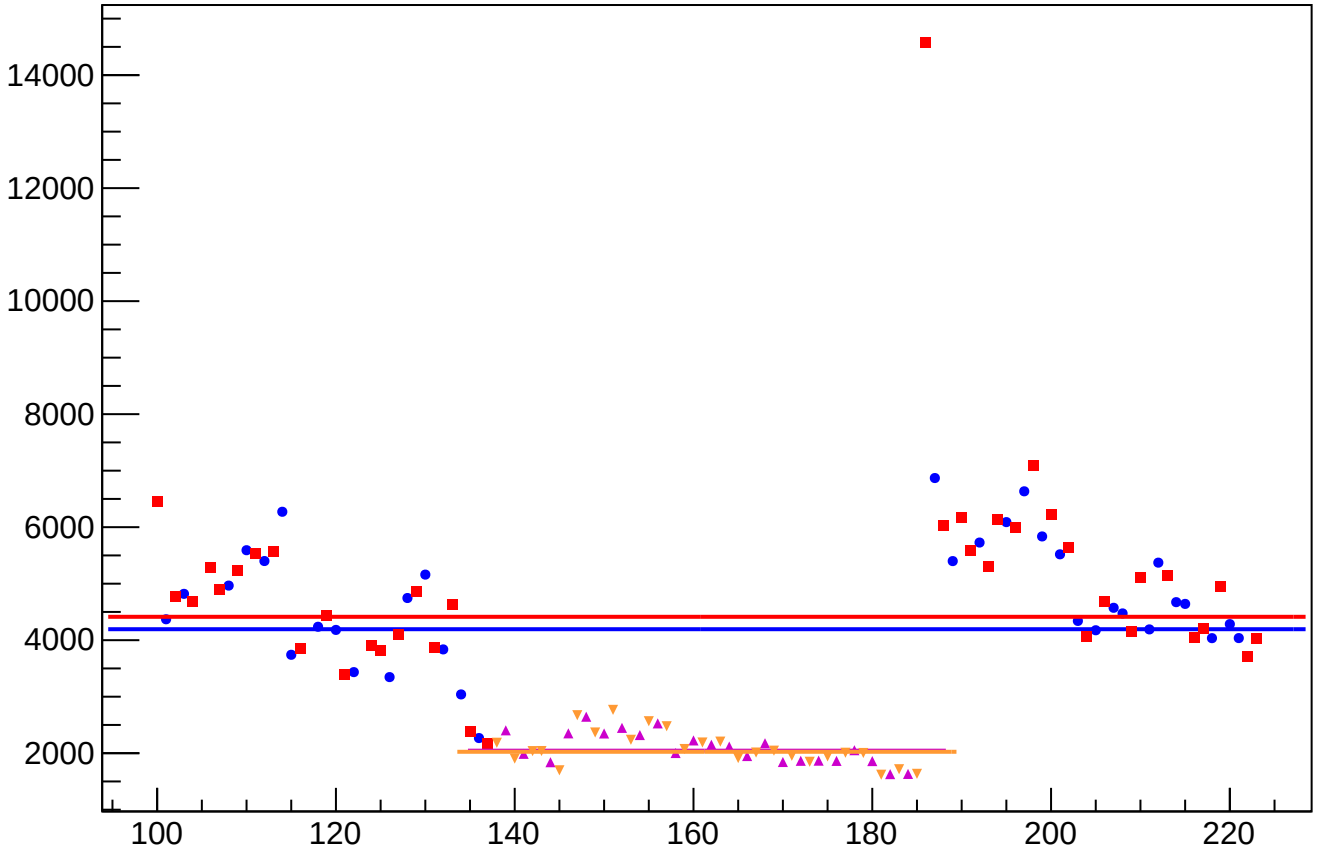
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1732.185+/-415.660 χ^2/NDF: 92.1/58

All: -1130.396+/-299.081 χ^2/NDF: 172.6/120

- sign -484.367+/-430.667 χ^2/NDF: 76.2/61

asym_sam2_dit_correction_rms vs Slug



Right In: 4194.237+/-0.654 χ^2/NDF: 2710911.9/33

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

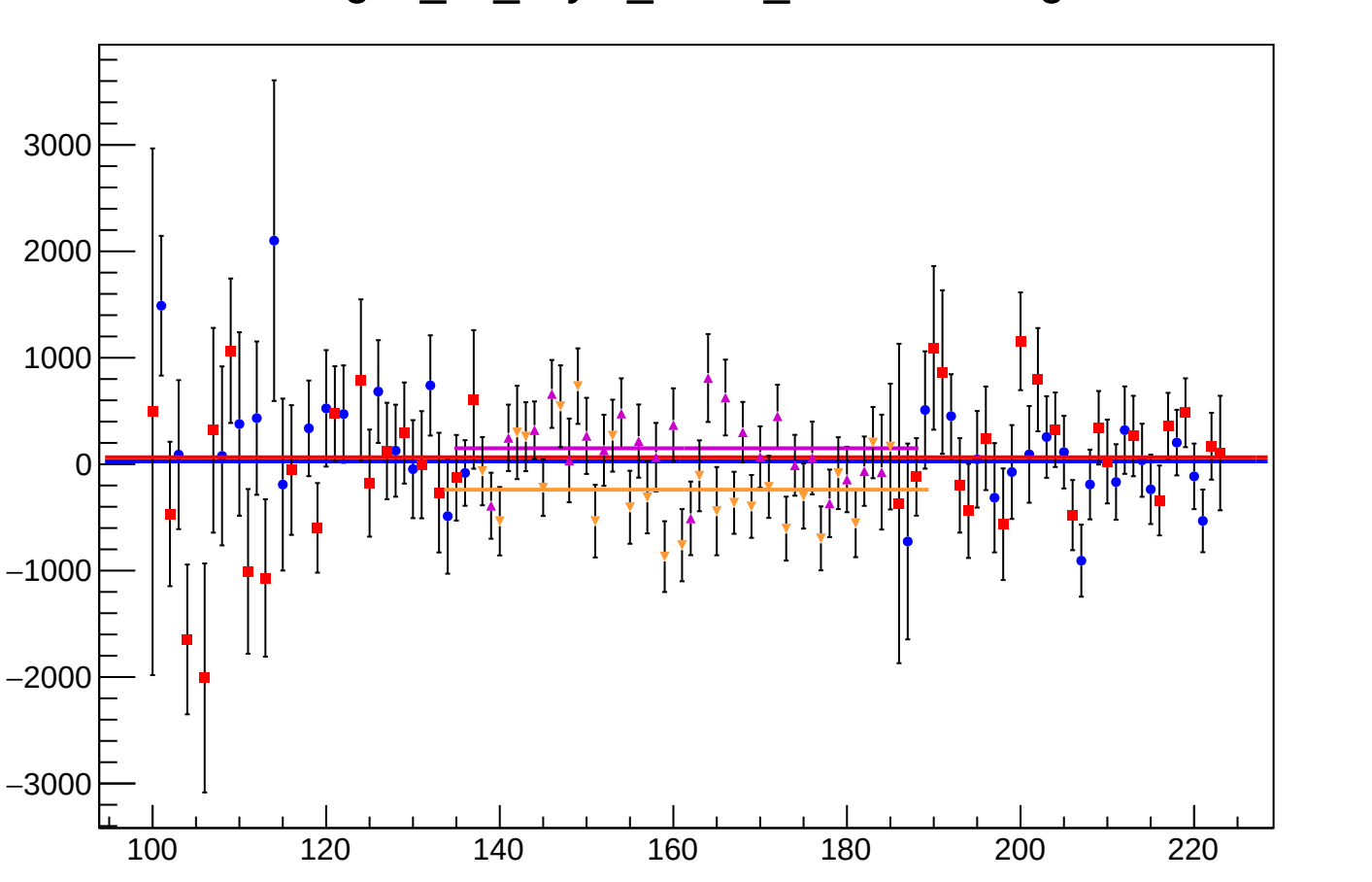
Right Out: 4413.812+/-0.677 χ^2/NDF: 3044944.3/38

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2463.403+/-0.294 χ^2/NDF: 12193850.4/58

All: 2492.871+/-0.211 χ^2/NDF: 25623094.8/1

- sign 2524.505+/-0.305 χ^2/NDF: 13408402.0/61



Right In: 26.272+/-73.649 χ^2/NDF: 32.1/33

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 64.942+/-75.284 χ^2/NDF: 45.6/38

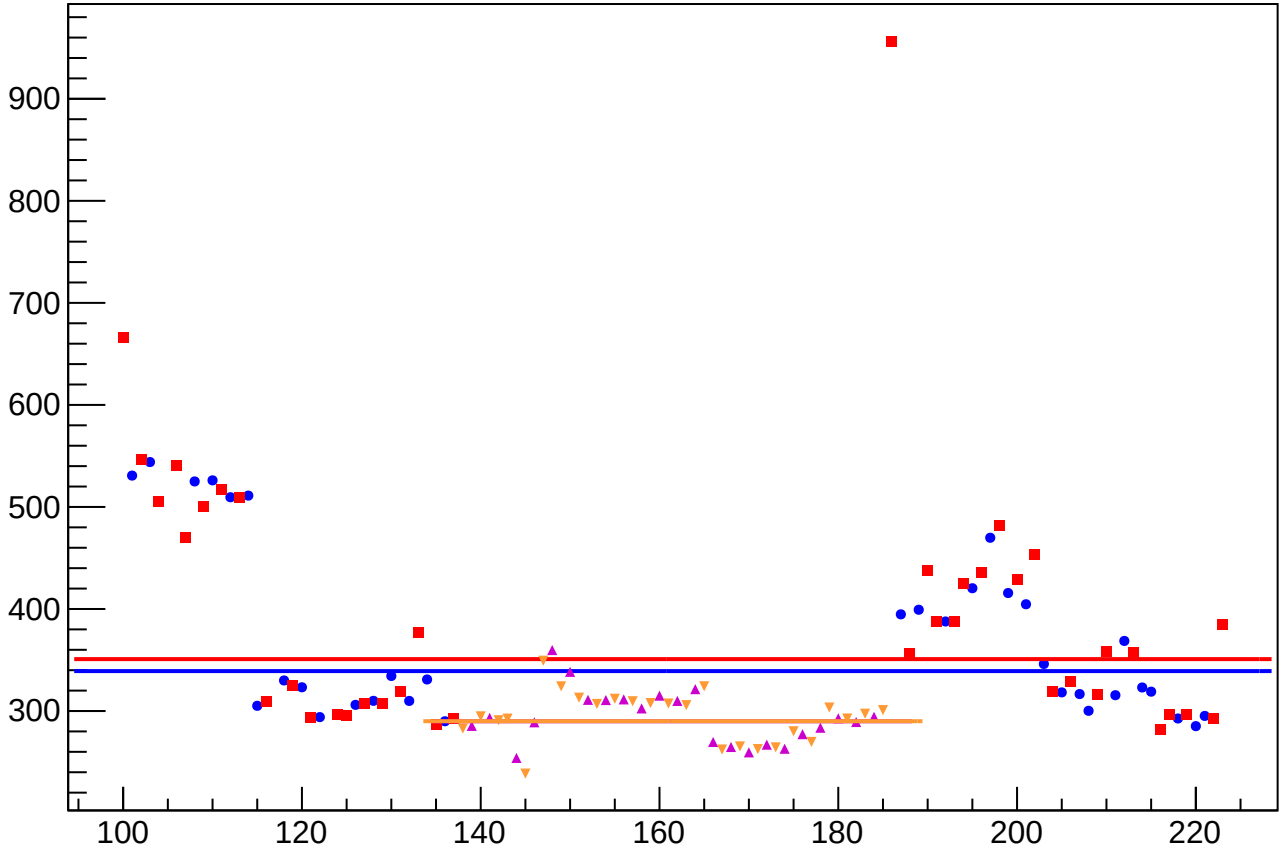
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -120.825+/-49.221 χ^2/NDF: 73.4/58

All: -7.745+/-35.257 χ^2/NDF: 152.2/120

- sign 111.420+/-50.527 χ^2/NDF: 68.0/61

eigen_dit_asym_sam2_rms vs Slug



Right In: 339.130+/-0.052 χ^2/NDF: 1359928.2/33

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 350.874+/-0.053 χ^2/NDF: 1954153.9/38

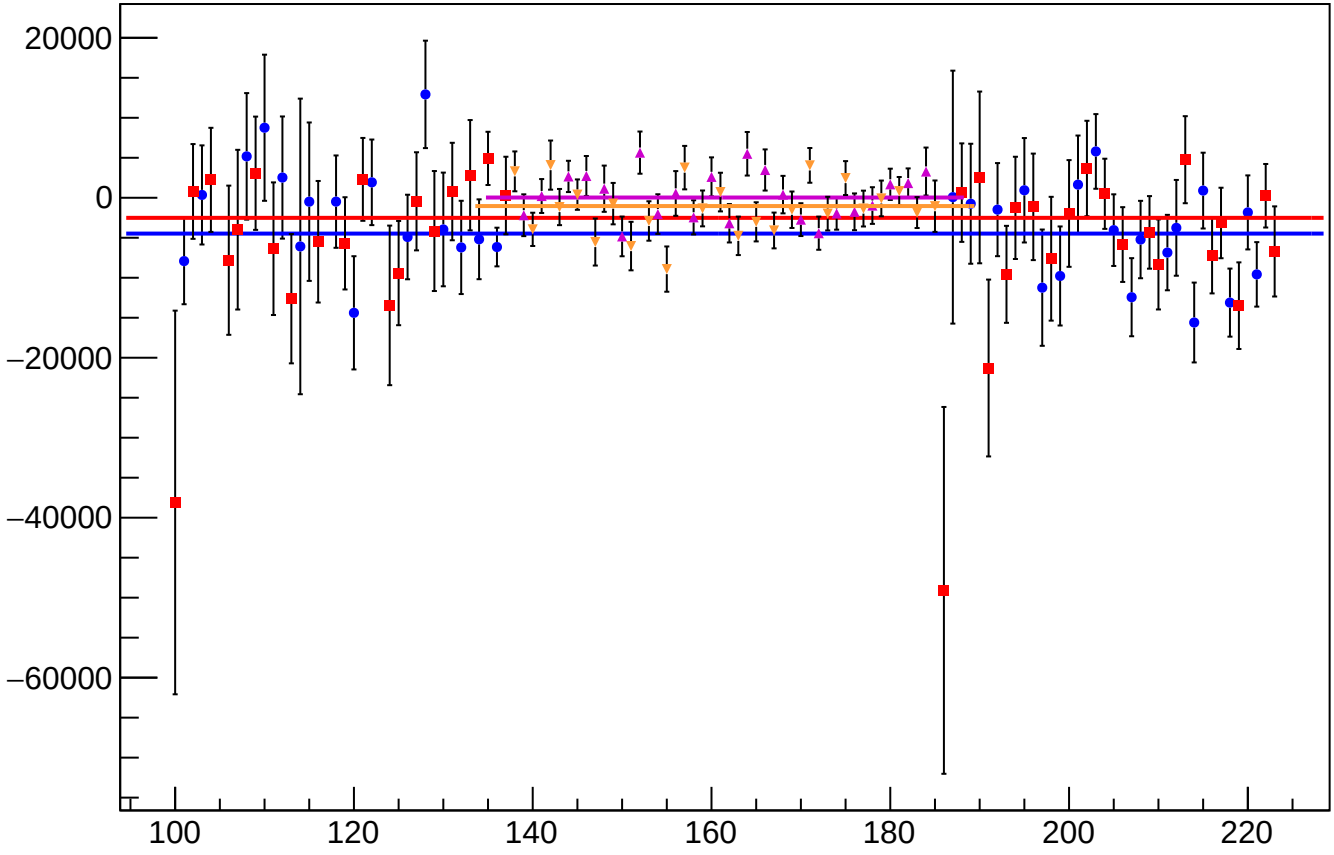
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 311.956+/-0.035 χ^2/NDF: 2132603.6/58

All: 314.601+/-0.025 χ^2/NDF: 5088289.3/120

- sign 317.389+/-0.036 χ^2/NDF: 2943822.1/61

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -4478.942+/-924.672 χ^2/NDF: 40.8/33

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -2510.566+/-956.838 χ^2/NDF: 36.4/38

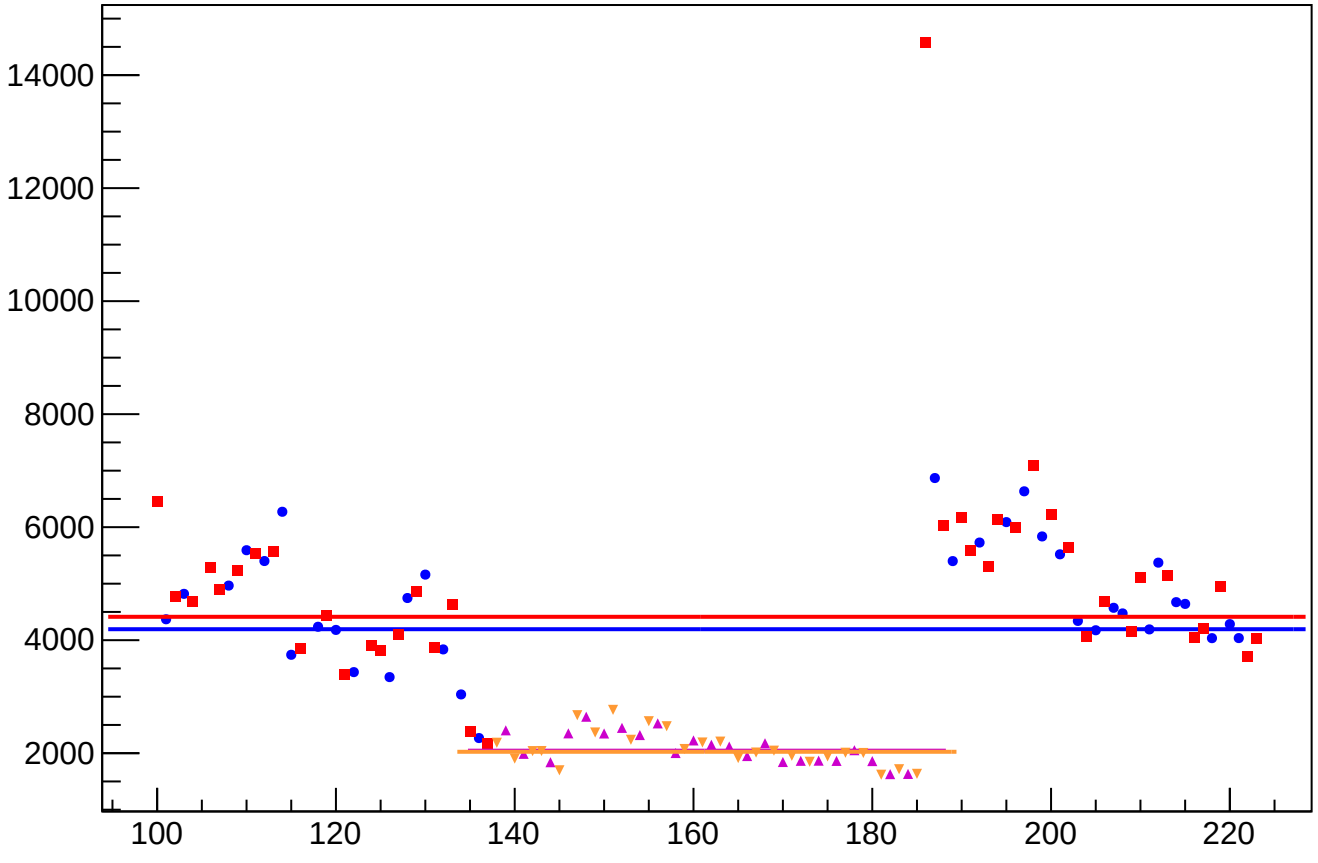
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1732.184+/-415.660 χ^2/NDF: 92.1/58

All: -1130.396+/-299.081 χ^2/NDF: 172.6/120

- sign -484.368+/-430.667 χ^2/NDF: 76.2/61

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4194.235+/-0.654 χ^2/NDF: 2710904.7/33

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4413.811+/-0.677 χ^2/NDF: 3044937.6/38

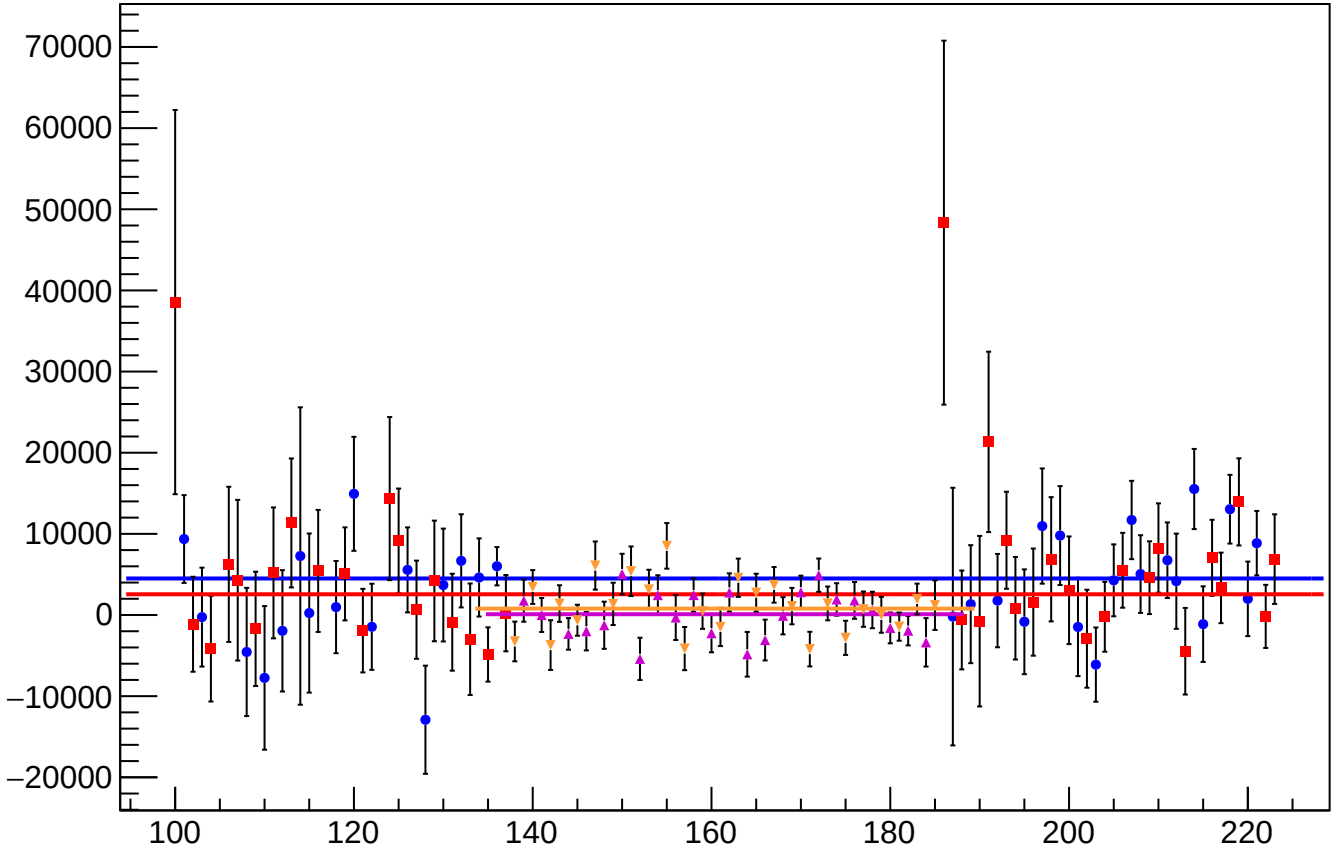
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2463.404+/-0.294 χ^2/NDF: 12193833.3/58

All: 2492.871+/-0.211 χ^2/NDF: 25623071.5/1

- sign 2524.504+/-0.305 χ^2/NDF: 13408396.1/61

asym_sam2_mean vs Slug



Right In: 4501.706+/-910.813 χ^2/NDF: 40.5/33

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 2554.489+/-946.591 χ^2/NDF: 35.7/38

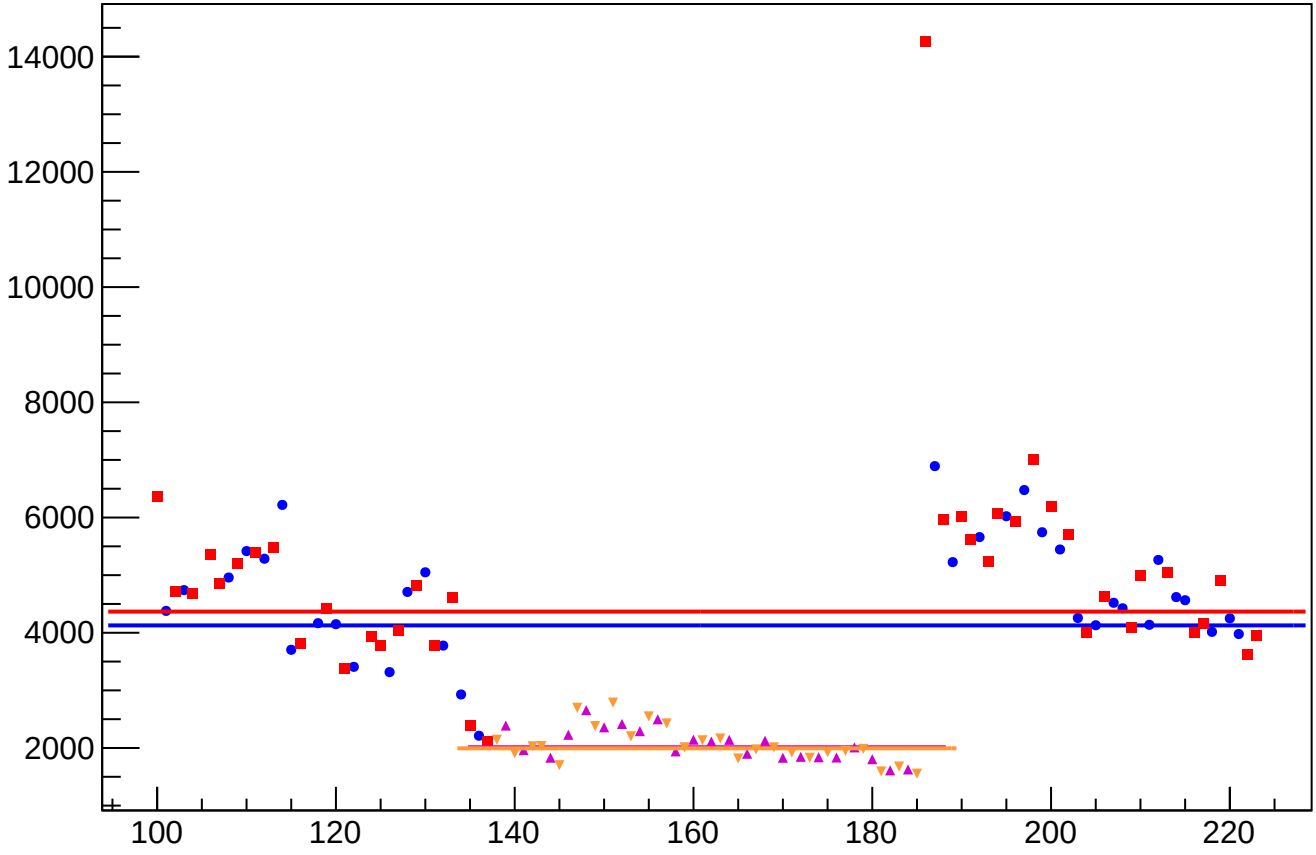
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1539.665+/-409.698 χ^2/NDF: 95.1/58

All: 1081.989+/-294.768 χ^2/NDF: 171.6/120

- sign 590.825+/-424.422 χ^2/NDF: 73.9/61

asym_sam2_rms vs Slug



Right In: 4127.732+/-0.644 χ^2/NDF: 2765431.5/33

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

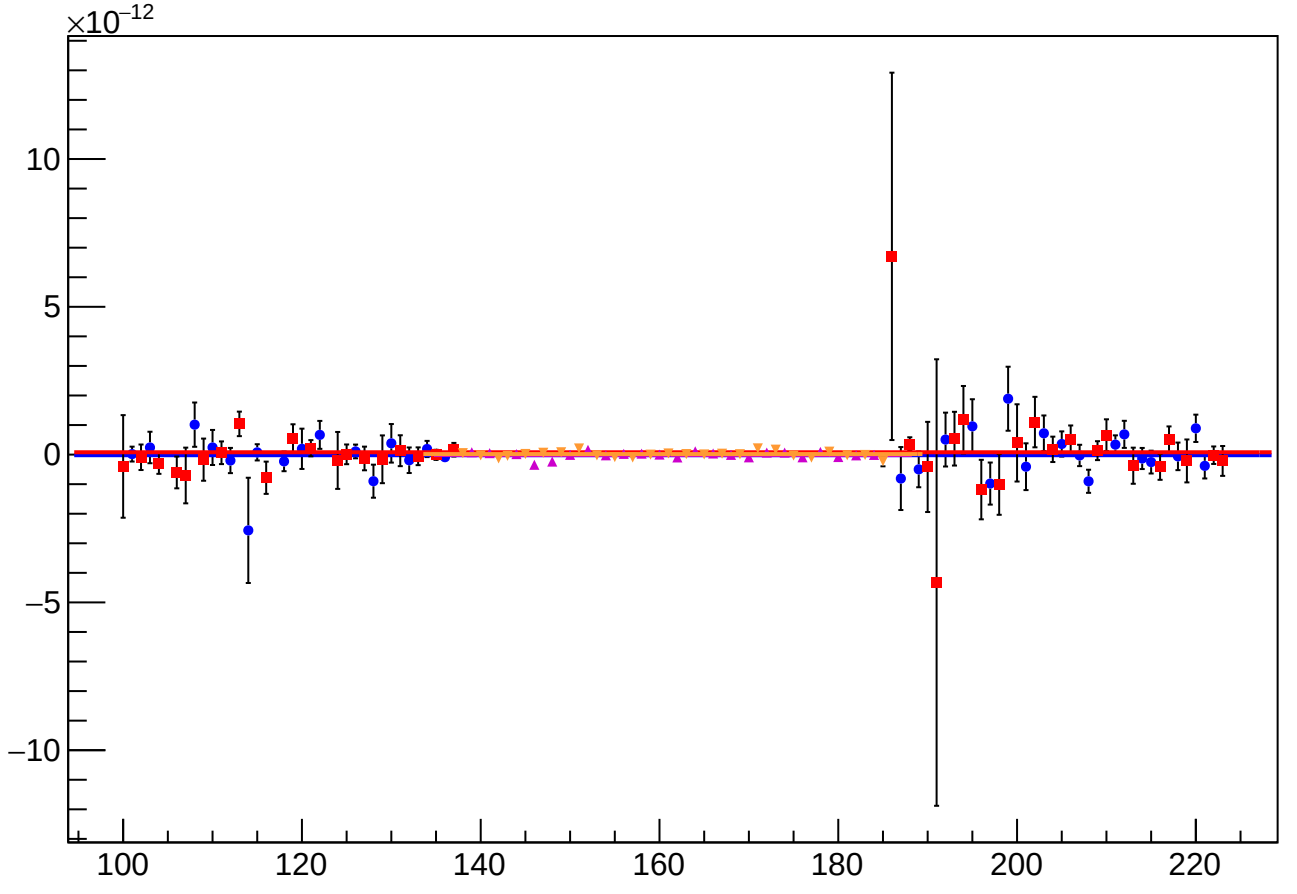
Right Out: 4367.295+/-0.669 χ^2/NDF: 3040303.3/38

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2425.923+/-0.290 χ^2/NDF: 12265240.6/58

All: 2454.925+/-0.208 χ^2/NDF: 25800686.1/1

- sign 2486.049+/-0.300 χ^2/NDF: 13514668.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 36.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

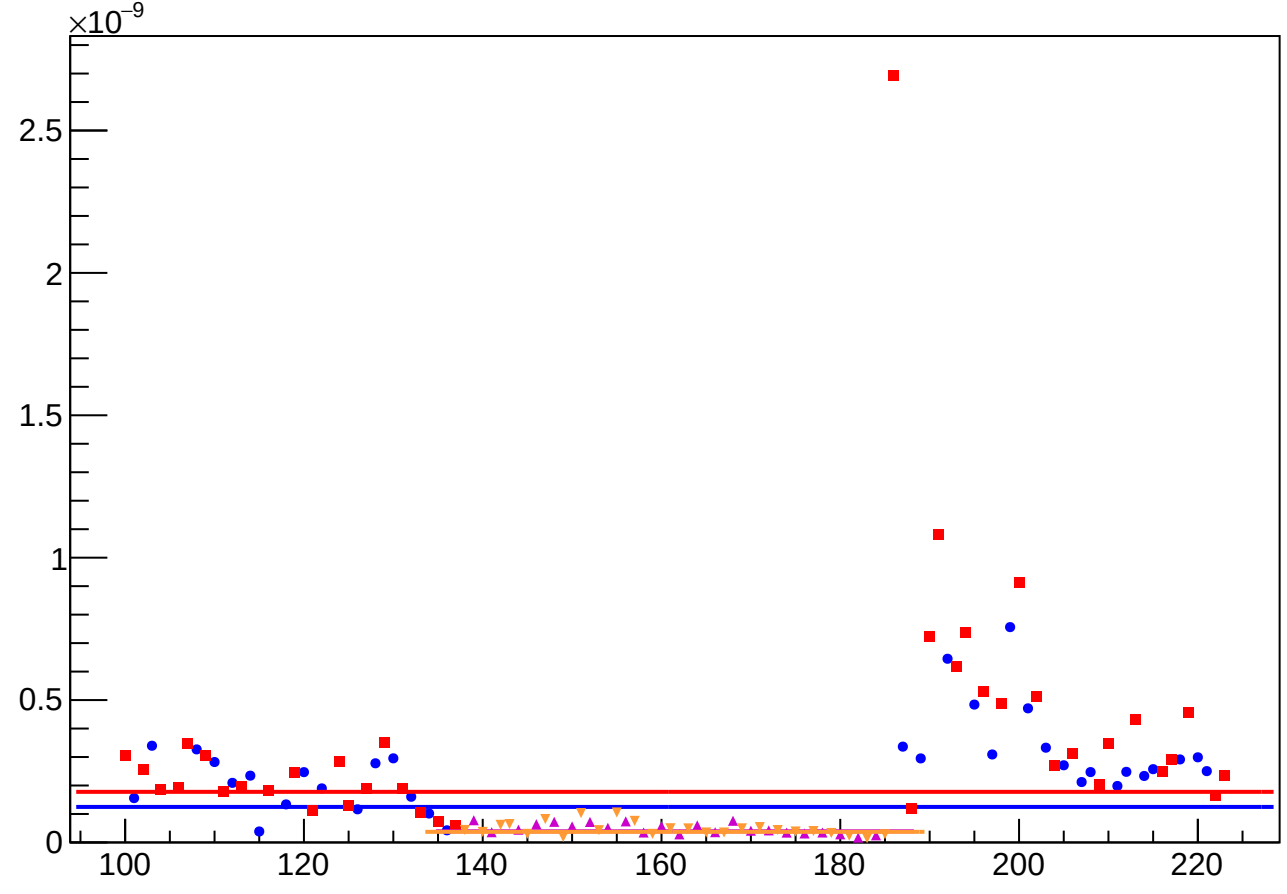
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/38

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/58

All: 0.000+/-0.000 χ^2/NDF: 119.1/120

- sign -0.000+/-0.000 χ^2/NDF: 60.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 8221315.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6288591.1/38

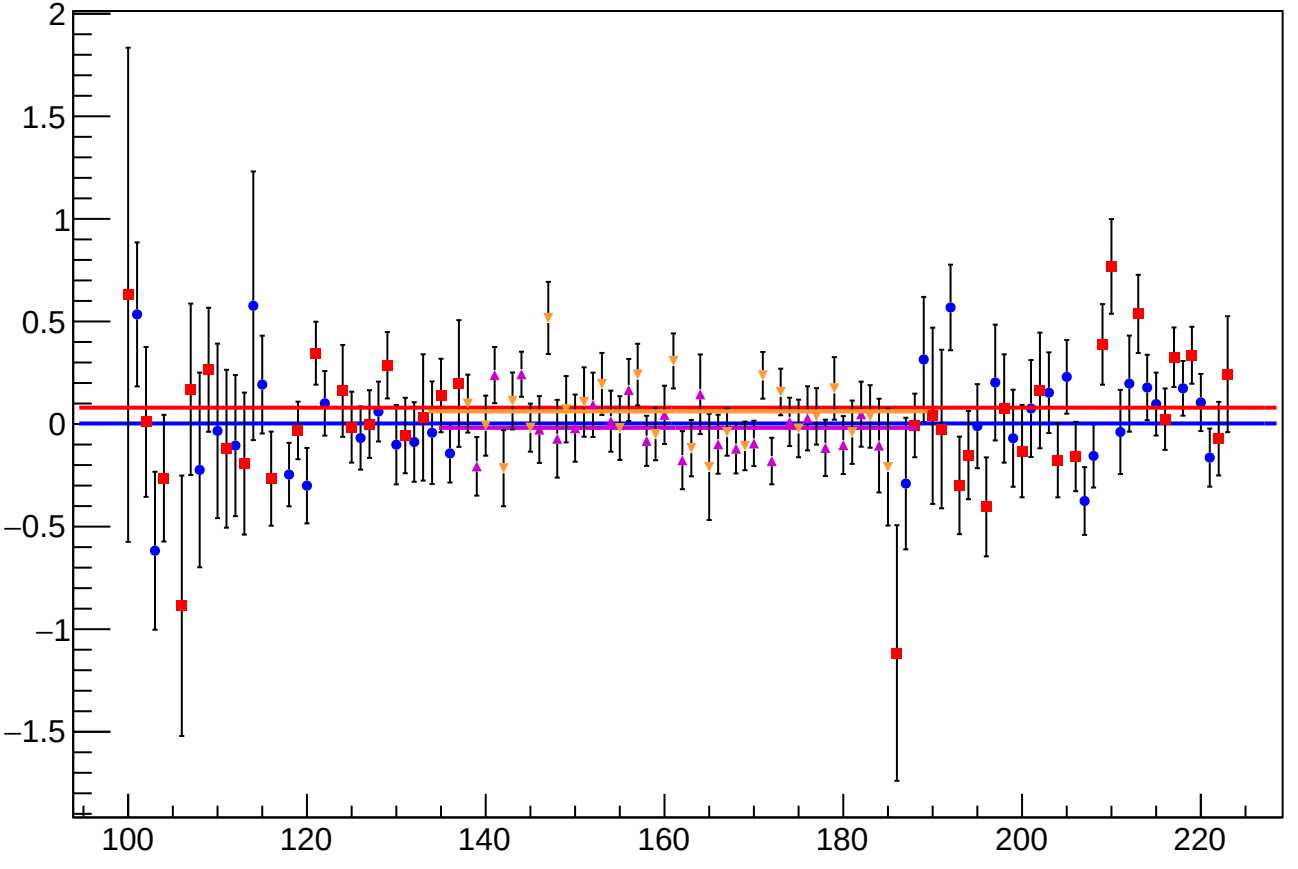
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15488319.4/58

All: 0.000+/-0.000 χ^2/NDF: 31618910.5/120

- sign 0.000+/-0.000 χ^2/NDF: 16096827.1/61

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 38.6/33

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.080+/-0.034 χ^2/NDF: 55.5/38

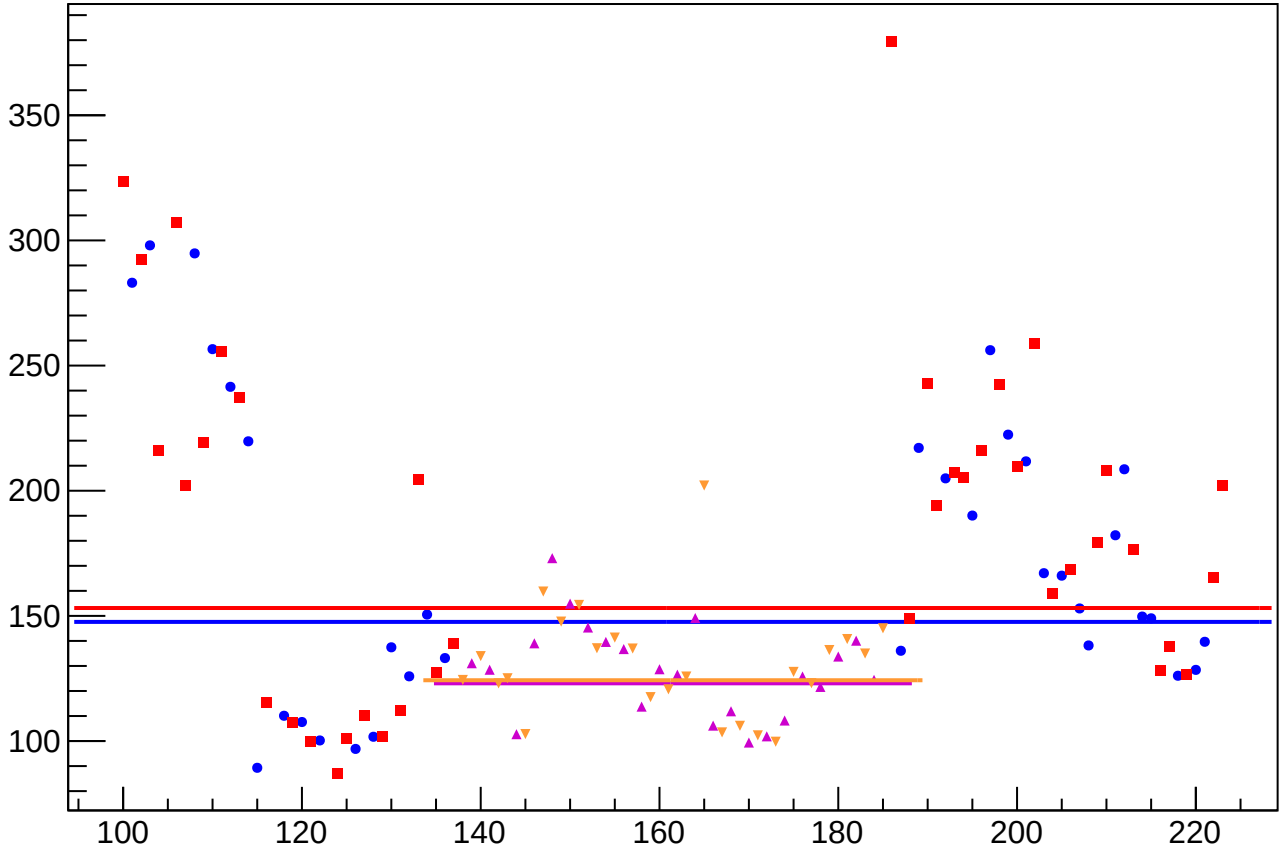
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.037+/-0.022 χ^2/NDF: 67.8/58

All: 0.030+/-0.016 χ^2/NDF: 148.6/120

- sign 0.023+/-0.022 χ^2/NDF: 80.6/61

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 147.601+/-0.023 χ^2/NDF: 3406832.6/33

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 153.149+/-0.024 χ^2/NDF: 4100299.3/38

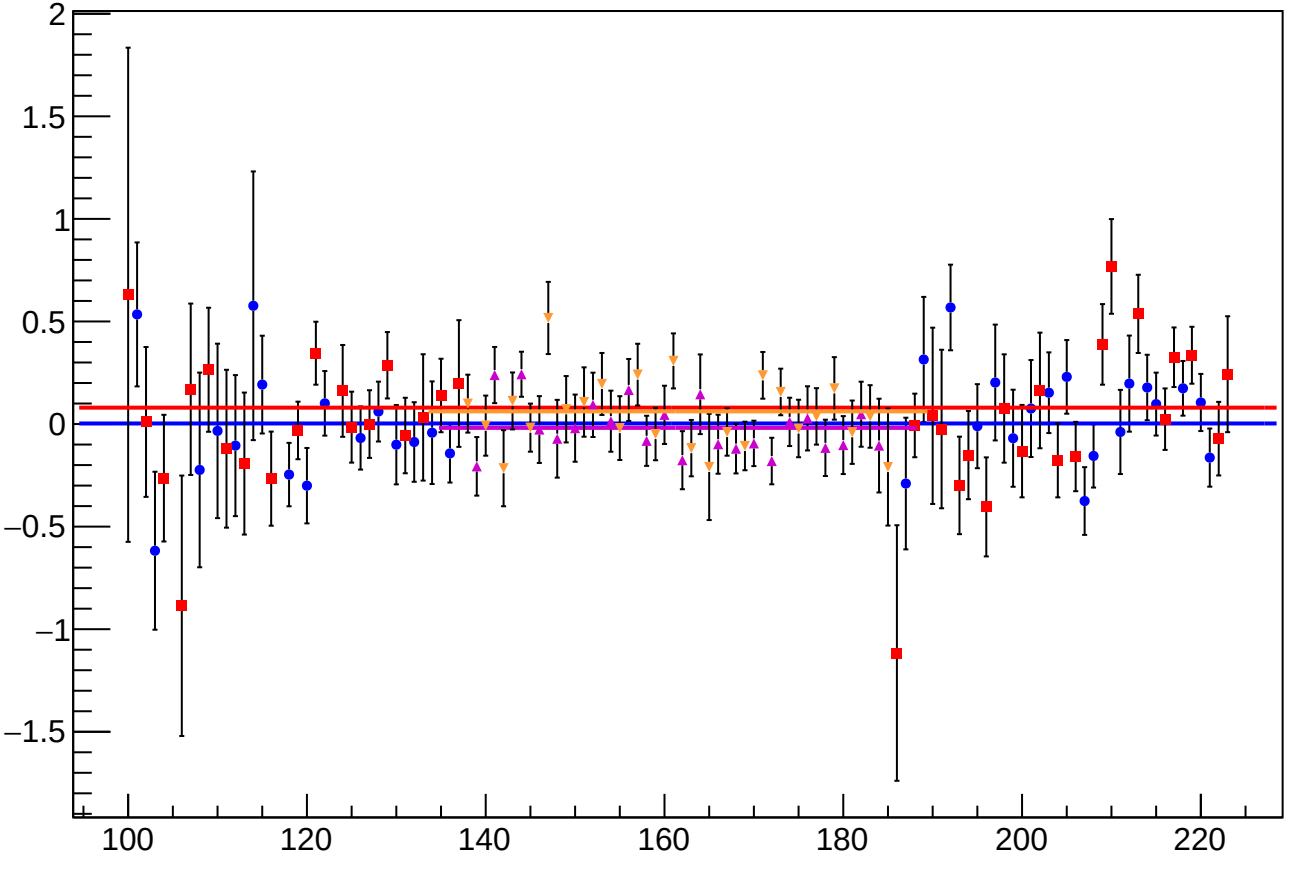
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.245+/-0.015 χ^2/NDF: 4811856.7/58

All: 135.032+/-0.011 χ^2/NDF: 10531439.9/12

- sign 135.858+/-0.016 χ^2/NDF: 5714194.0/61

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 38.6/33

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.080+/-0.034 χ^2/NDF: 55.5/38

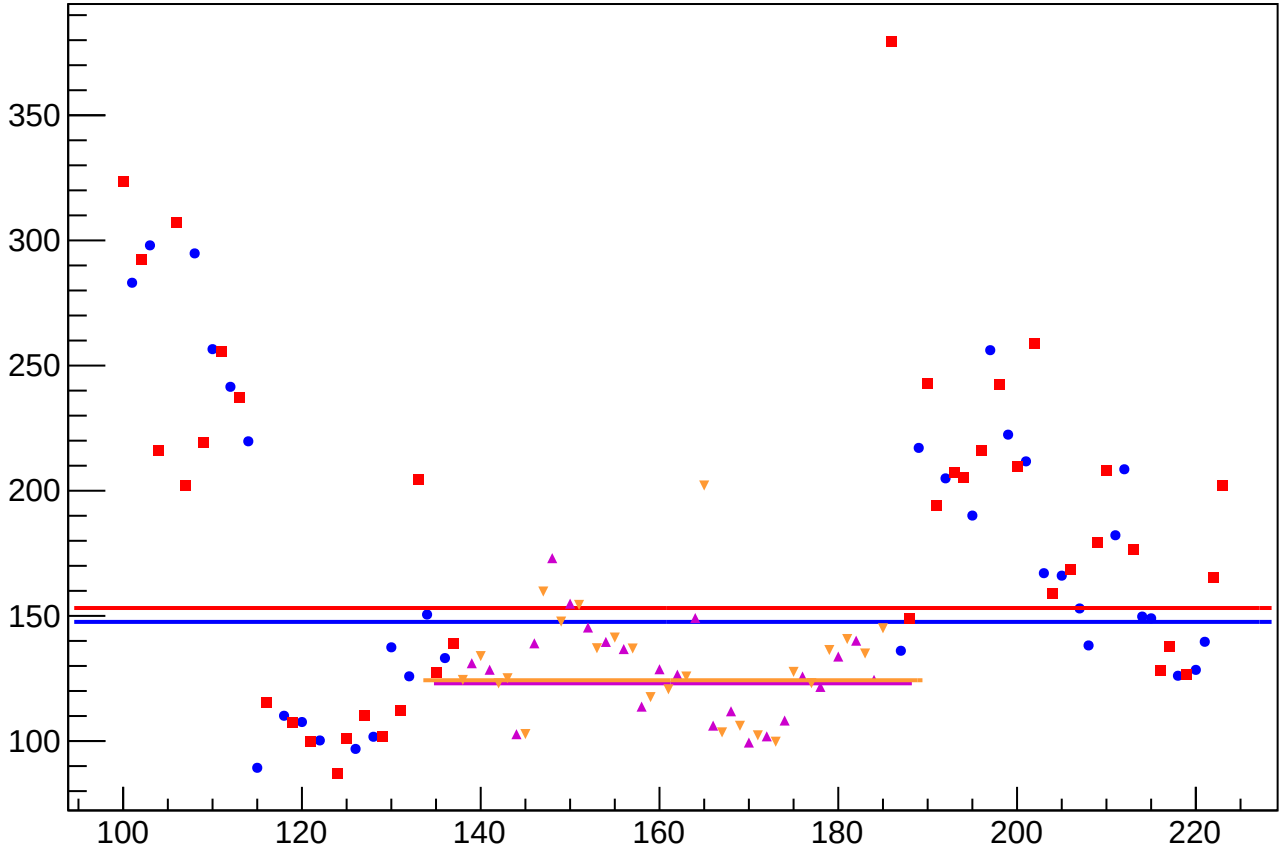
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.037+/-0.022 χ^2/NDF: 67.8/58

All: 0.030+/-0.016 χ^2/NDF: 148.6/120

- sign 0.023+/-0.022 χ^2/NDF: 80.6/61

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.601+/-0.023 χ^2/NDF: 3406832.6/33

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 153.149+/-0.024 χ^2/NDF: 4100299.3/38

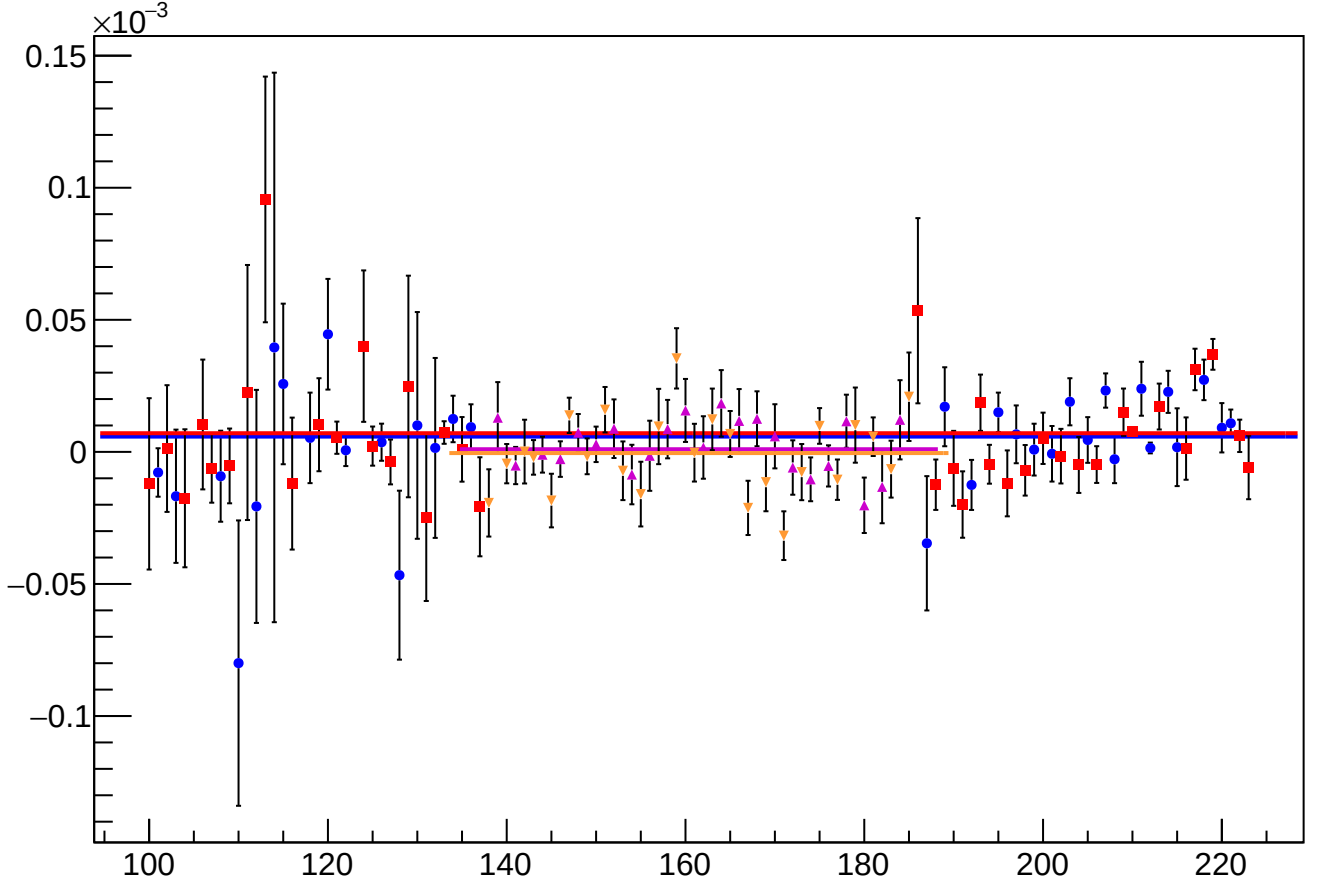
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.245+/-0.015 χ^2/NDF: 4811856.7/58

All: 135.032+/-0.011 χ^2/NDF: 10531439.9/12

- sign 135.858+/-0.016 χ^2/NDF: 5714194.0/61

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 55.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 78.8/38

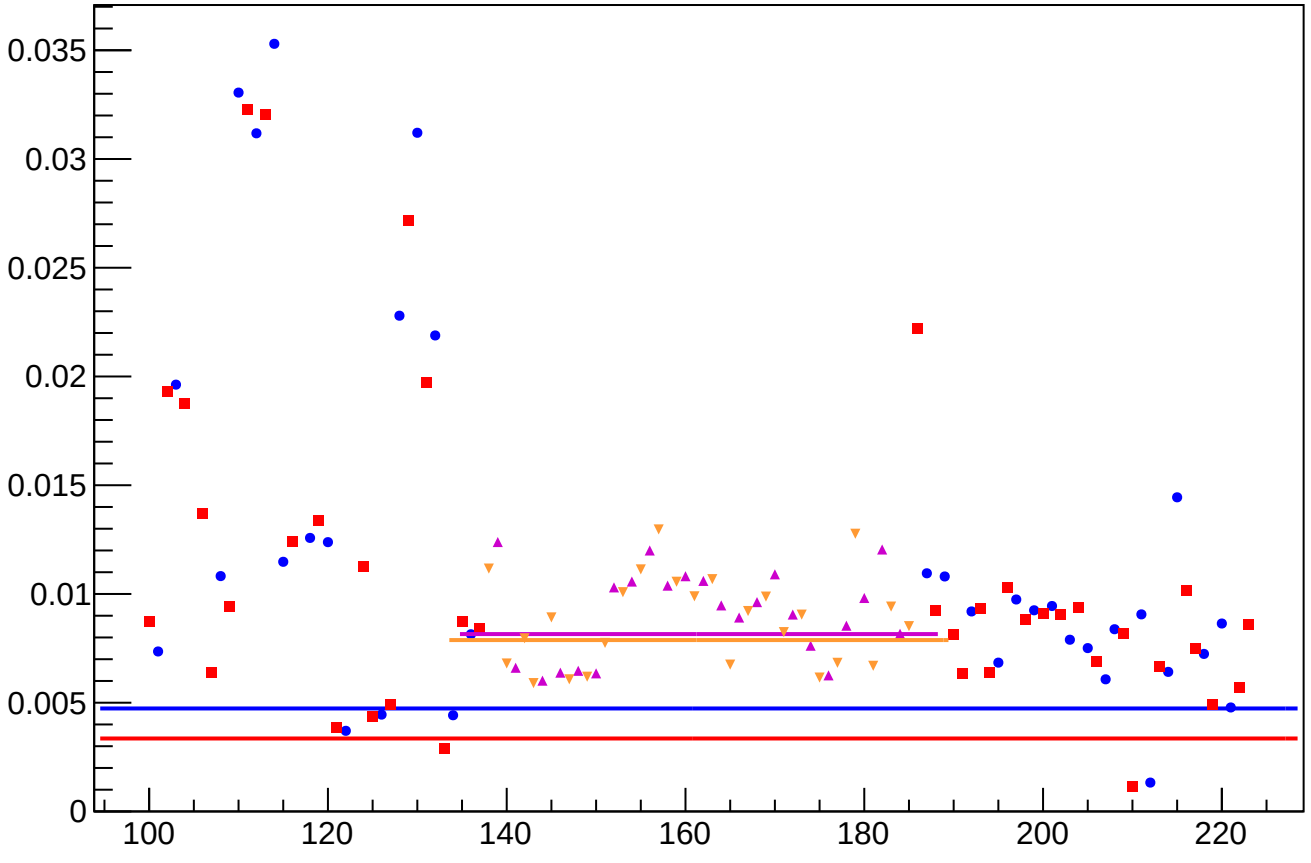
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 115.2/58

All: 0.000+/-0.000 χ^2/NDF: 223.6/120

- sign 0.000+/-0.000 χ^2/NDF: 106.1/61

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 16233264.5/33

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 21662868.9/38

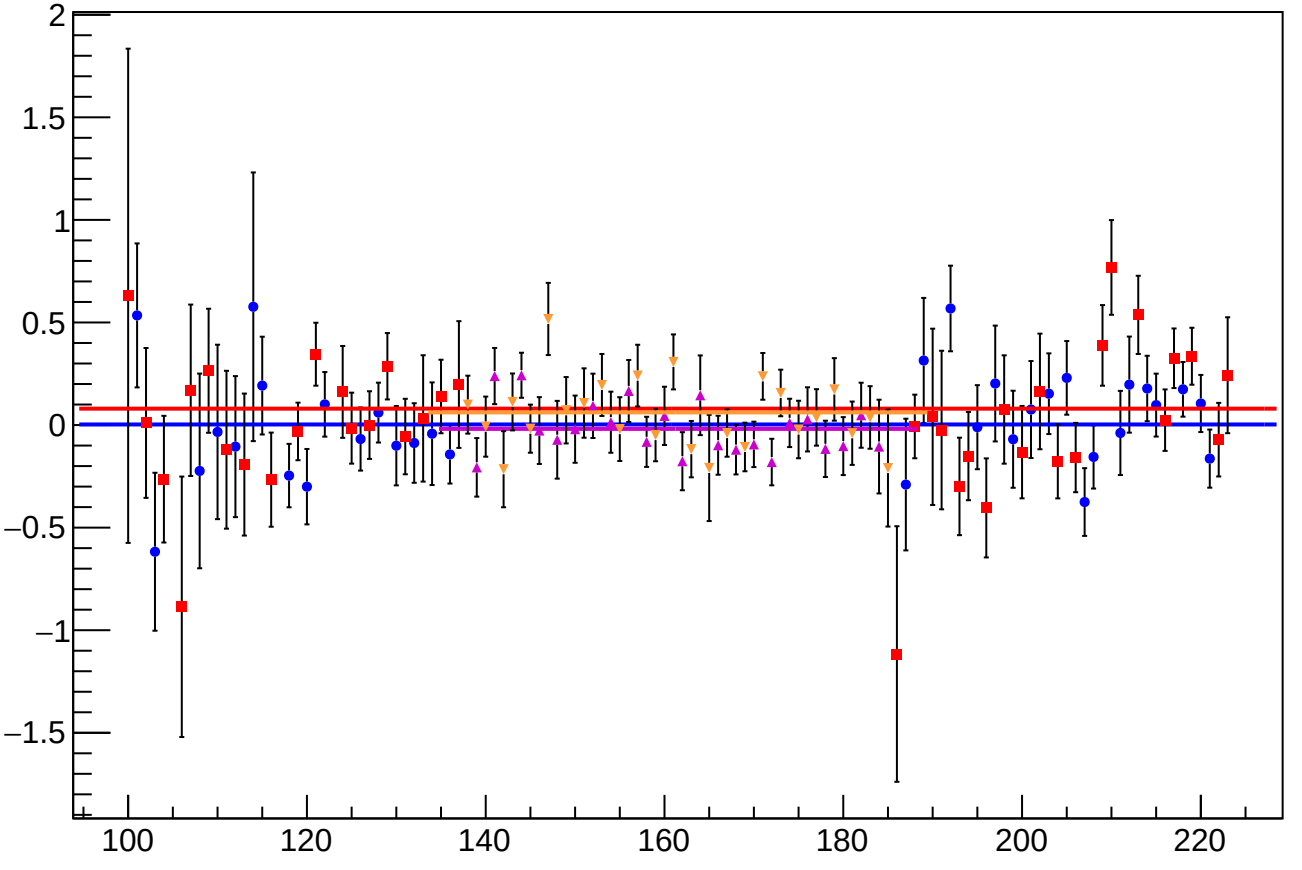
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 22103978.8/58

All: 0.005+/-0.000 χ^2/NDF: 57089521.1/120

- sign 0.004+/-0.000 χ^2/NDF: 32915245.7/61

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 38.6/33

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.080+/-0.034 χ^2/NDF: 55.5/38

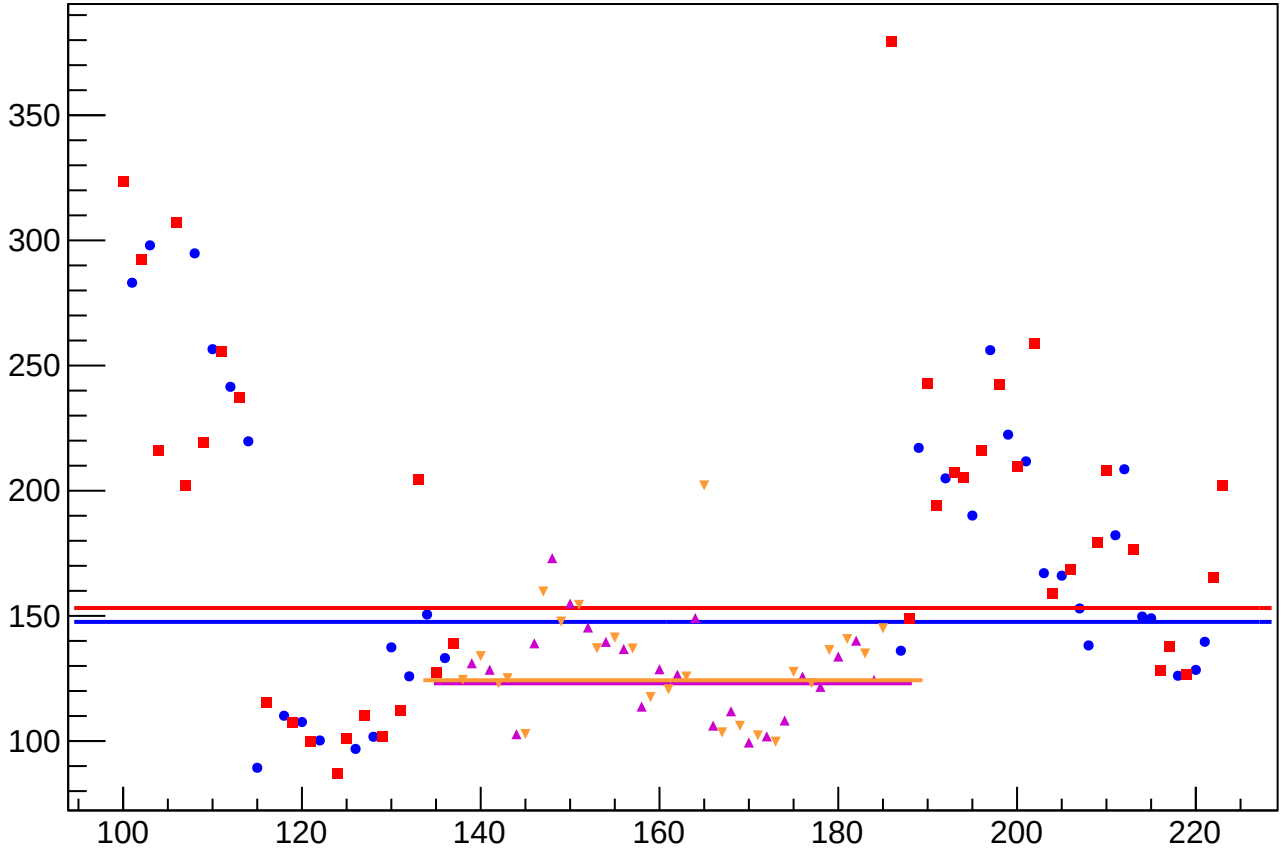
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.037+/-0.022 χ^2/NDF: 67.8/58

All: 0.030+/-0.016 χ^2/NDF: 148.6/120

- sign 0.023+/-0.022 χ^2/NDF: 80.6/61

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.599+/-0.023 χ^2/NDF: 3406916.9/33

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

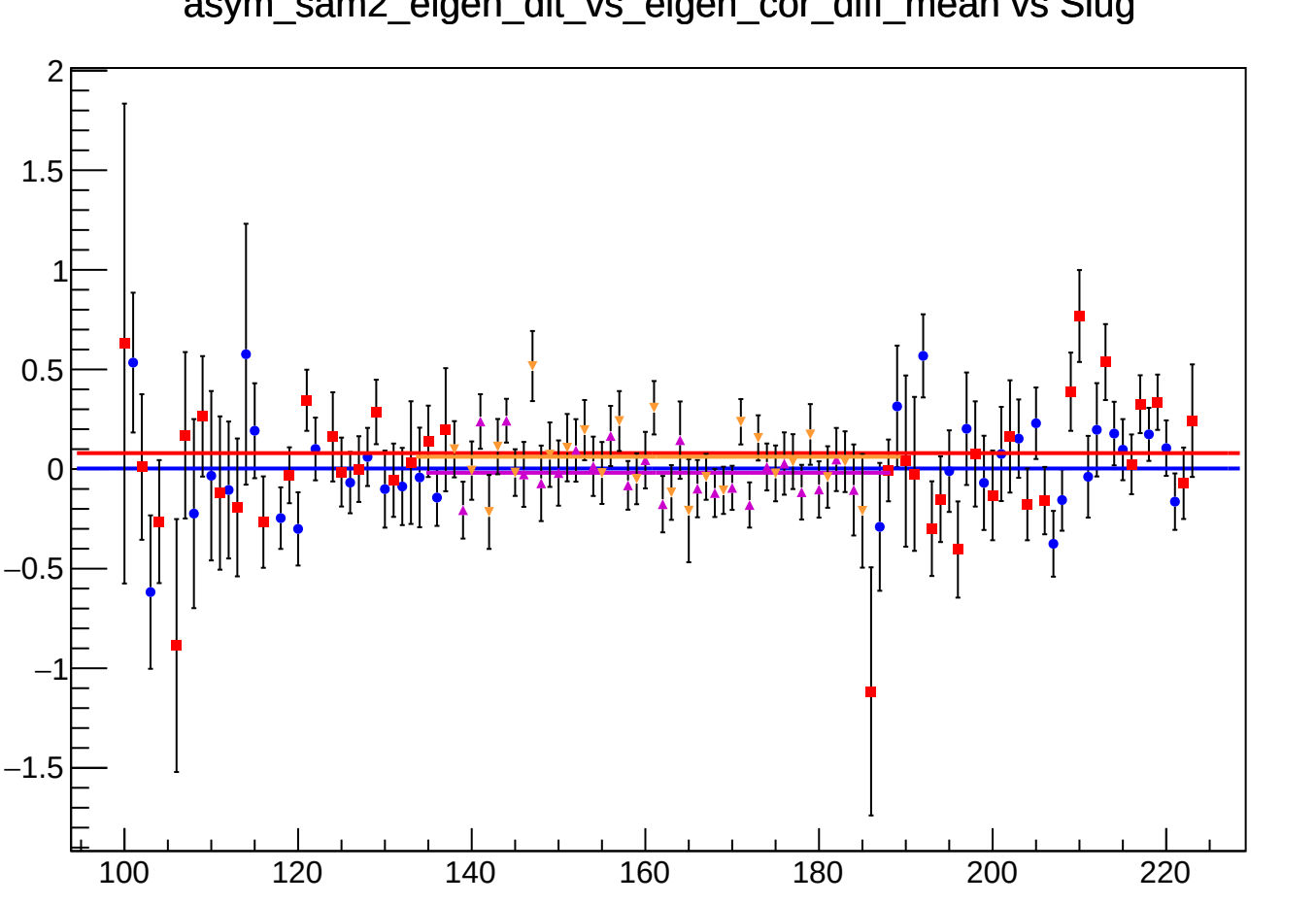
Right Out: 153.147+/-0.024 χ^2/NDF: 4100437.7/38

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.244+/-0.015 χ^2/NDF: 4811904.5/58

All: 135.031+/-0.011 χ^2/NDF: 10531558.6/12

- sign 135.857+/-0.016 χ^2/NDF: 5714264.9/61



Right In: 0.003+/-0.033 χ^2/NDF: 38.6/33

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

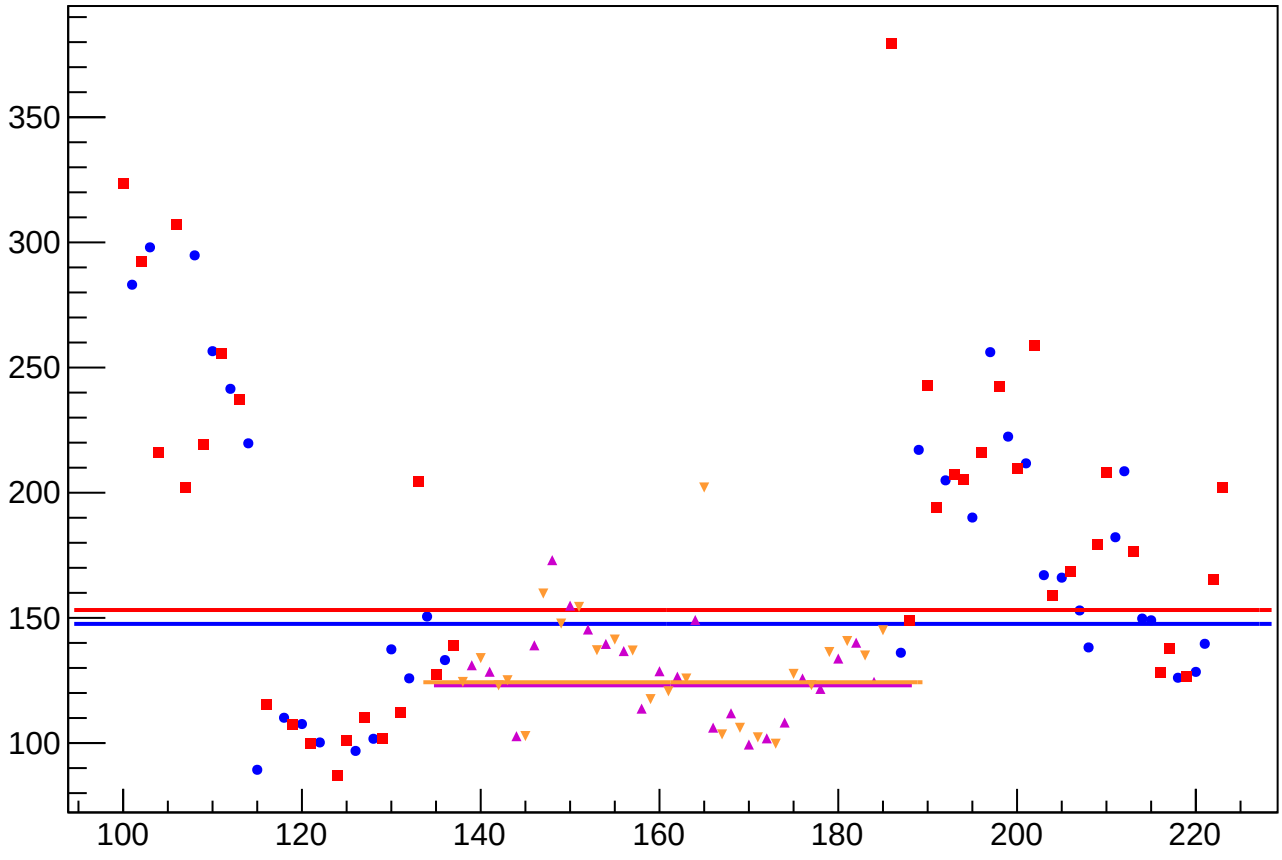
Right Out: 0.080+/-0.034 χ^2/NDF: 55.5/38

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.037+/-0.022 χ^2/NDF: 67.8/58

All: 0.030+/-0.016 χ^2/NDF: 148.6/120

- sign 0.023+/-0.022 χ^2/NDF: 80.6/61



Right In: 147.599+/-0.023 χ^2/NDF: 3406916.9/33

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 153.147+/-0.024 χ^2/NDF: 4100437.7/38

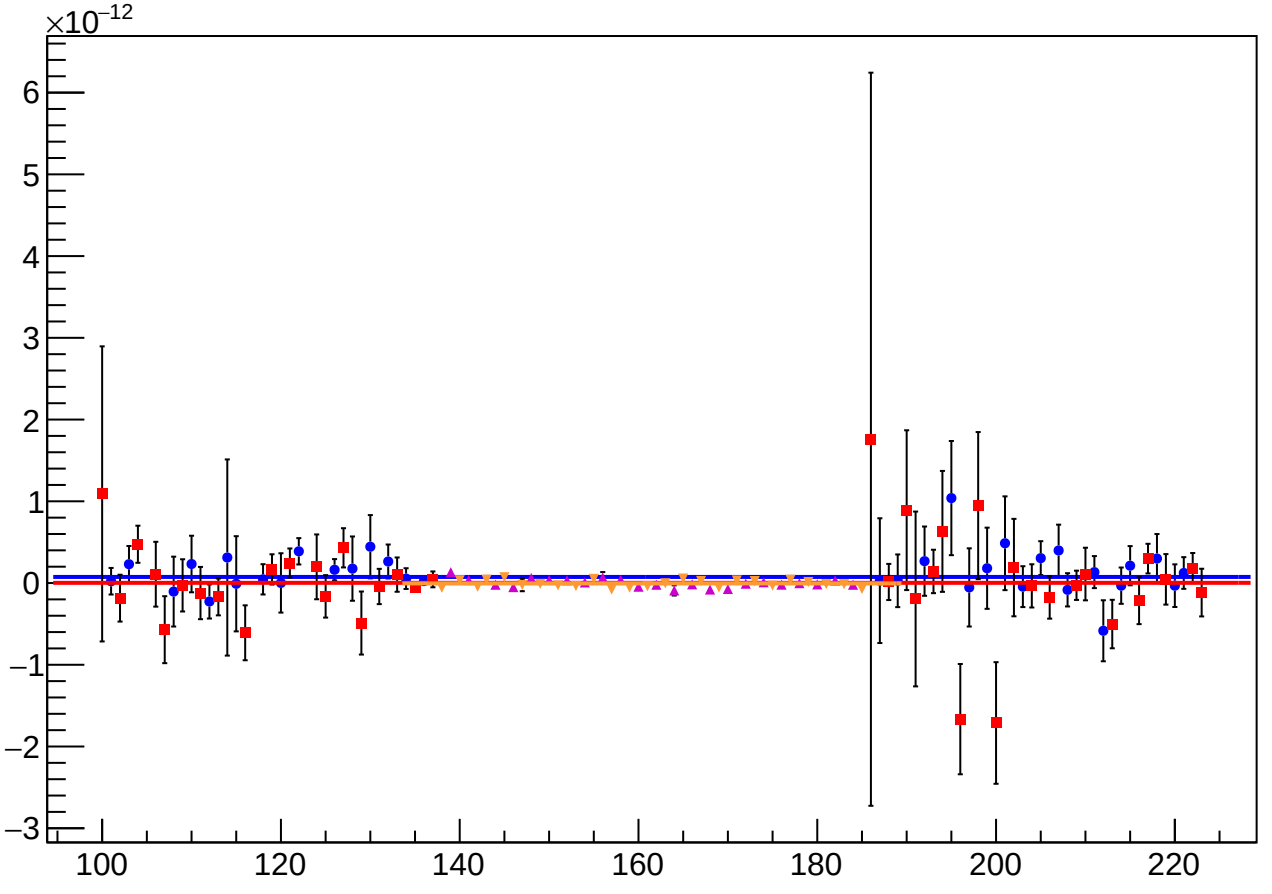
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.244+/-0.015 χ^2/NDF: 4811904.5/58

All: 135.031+/-0.011 χ^2/NDF: 10531558.6/12

- sign 135.857+/-0.016 χ^2/NDF: 5714264.9/61

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.2/38

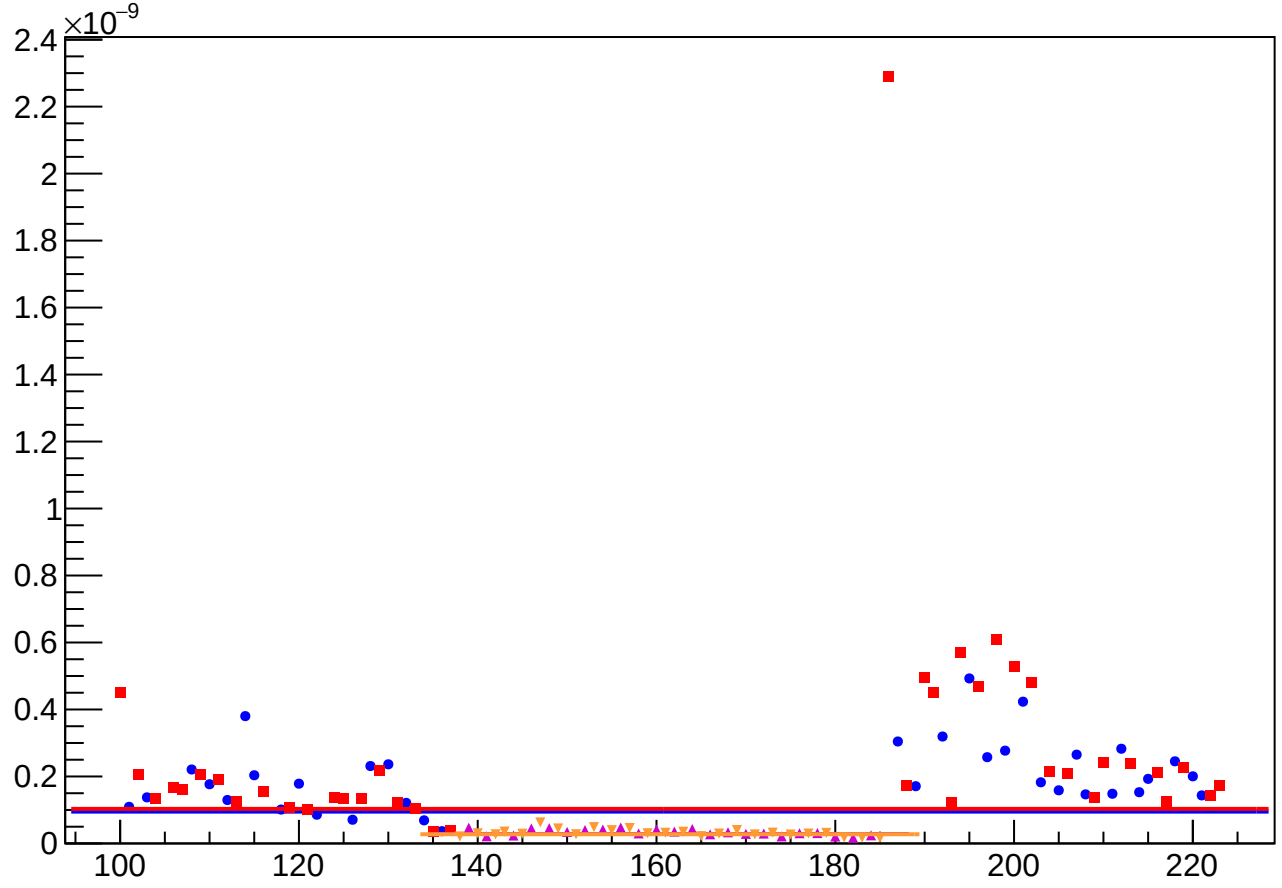
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/58

All: 0.000+/-0.000 χ^2/NDF: 119.1/120

- sign 0.000+/-0.000 χ^2/NDF: 67.9/61

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10230945.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11864031.3/38

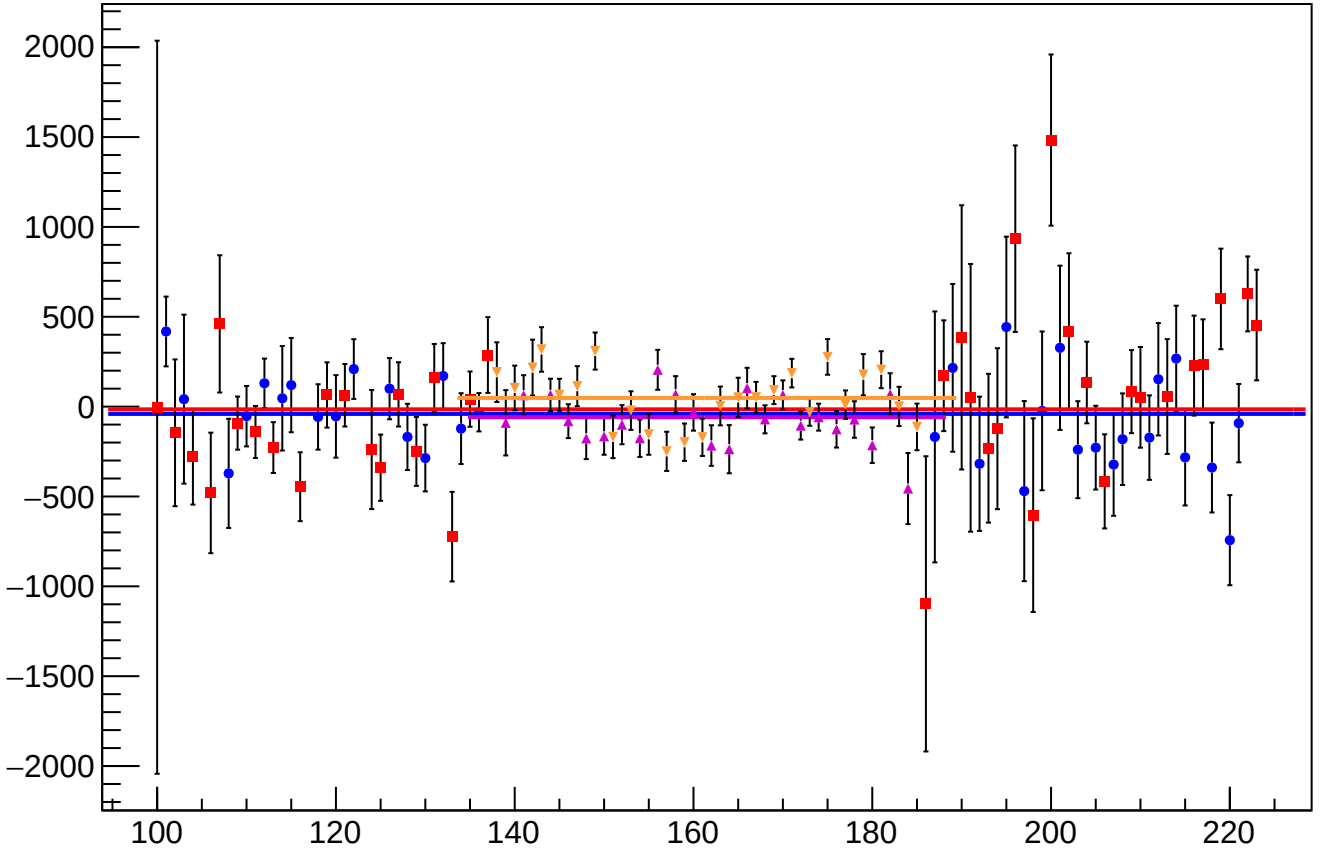
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 21174415.2/58

All: 0.000+/-0.000 χ^2/NDF: 44434007.3/120

- sign 0.000+/-0.000 χ^2/NDF: 23243397.9/61

reg_asym_sam3_mean vs Slug



Right In: -40.546+/-38.432 χ^2/NDF: 33.1/33

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -15.039+/-38.635 χ^2/NDF: 69.4/38

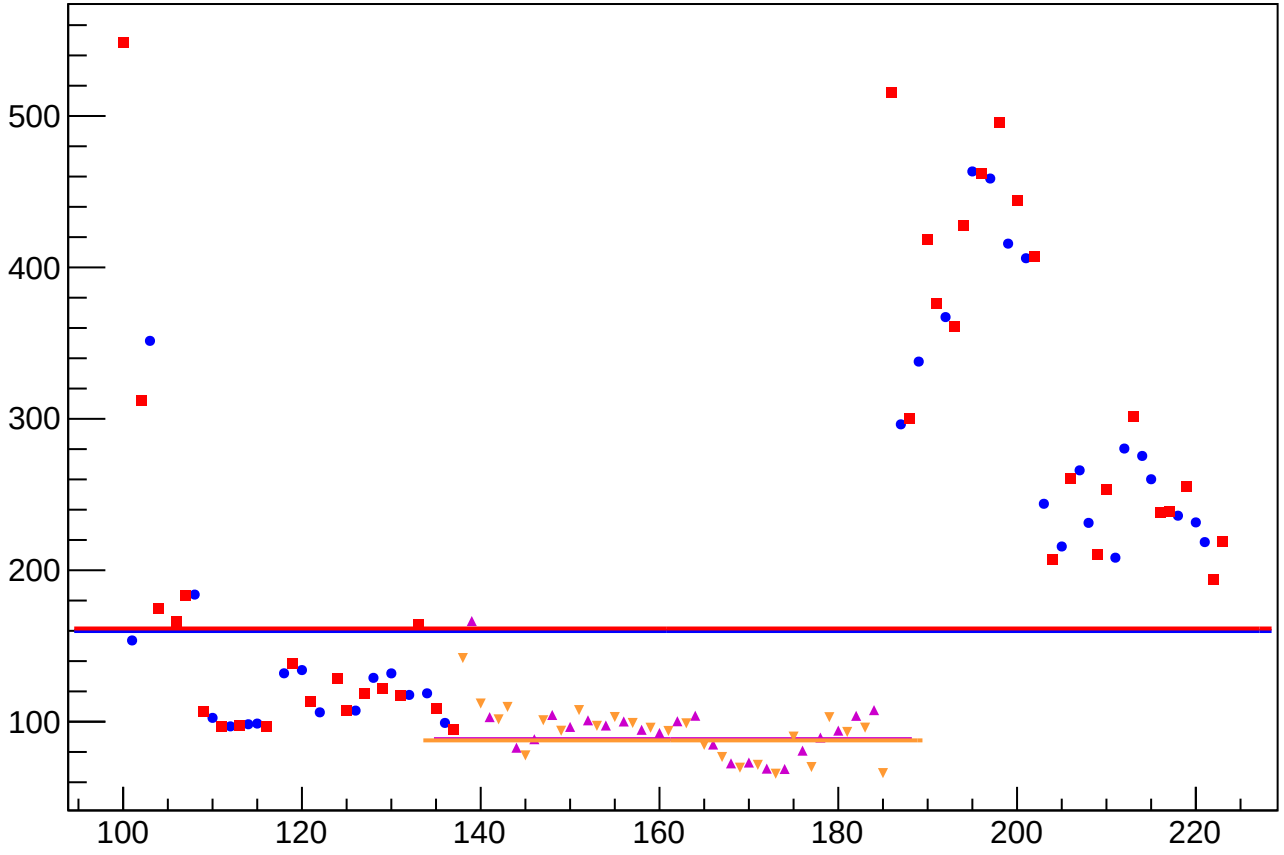
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 28.807+/-18.035 χ^2/NDF: 90.9/58

All: -8.924+/-12.933 χ^2/NDF: 200.8/120

- sign -48.869+/-18.556 χ^2/NDF: 101.0/61

reg_asym_sam3_rms vs Slug



Right In: 159.871+/-0.027 χ^2/NDF: 8497243.5/33

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 161.541+/-0.027 χ^2/NDF: 9670252.2/38

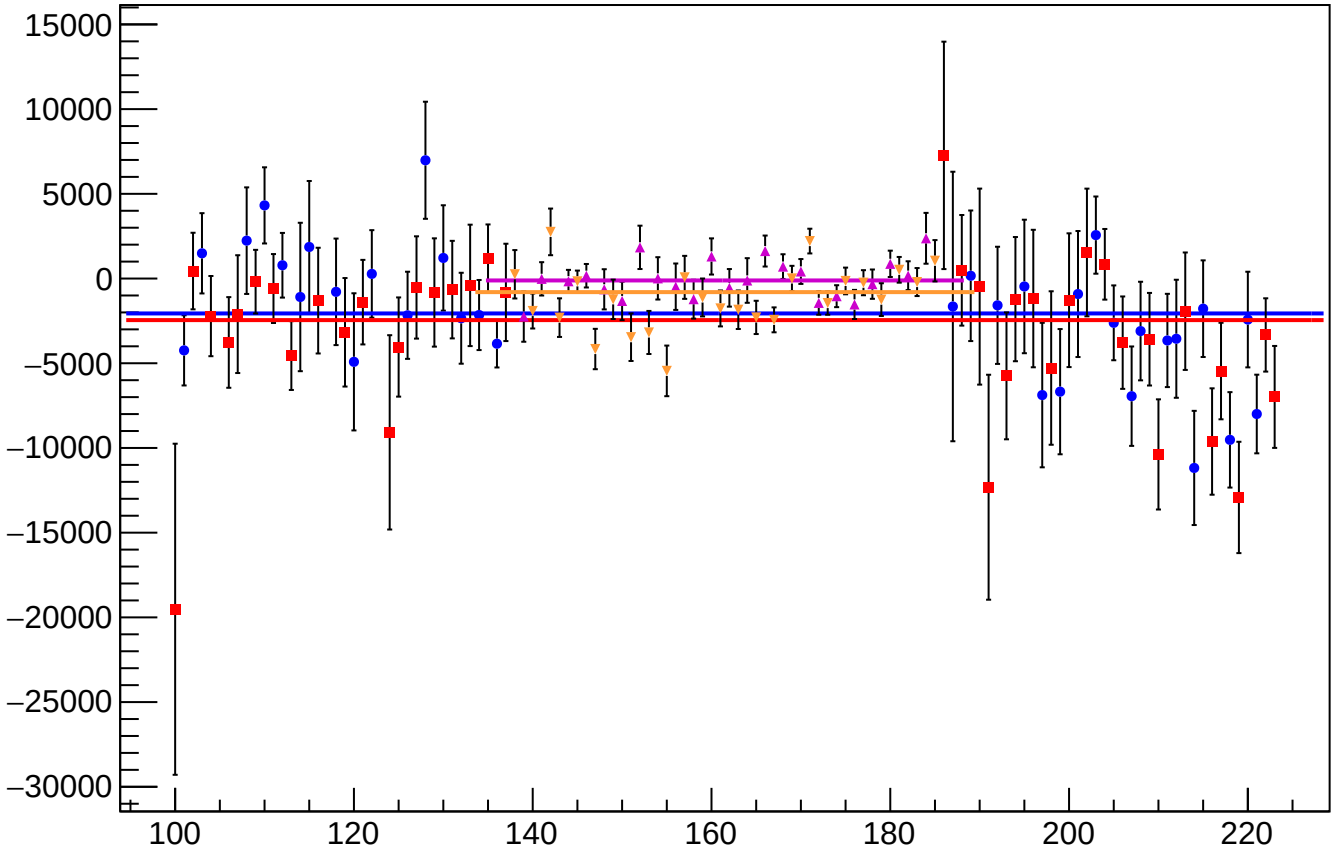
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 103.558+/-0.013 χ^2/NDF: 15217115.8/58

All: 104.422+/-0.009 χ^2/NDF: 31474608.1/12

- sign 105.336+/-0.013 χ^2/NDF: 16248050.8/61

asym_sam3_reg_correction_mean vs Slug



Right In: -2060.269+/-468.221 χ^2/NDF: 59.6/33

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -2453.623+/-469.510 χ^2/NDF: 51.0/38

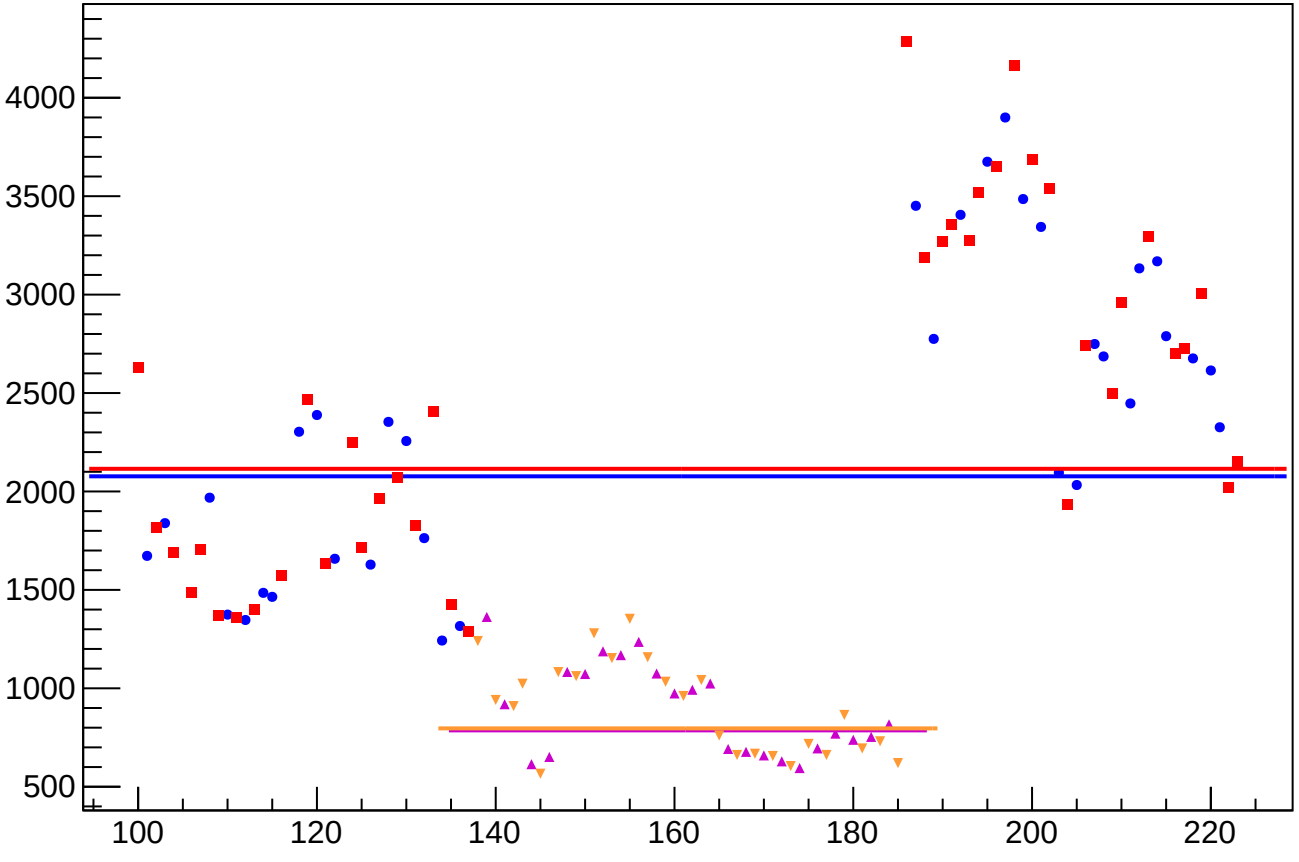
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -975.875+/-174.266 χ^2/NDF: 137.7/58

All: -712.455+/-123.951 χ^2/NDF: 241.7/120

- sign -442.730+/-176.340 χ^2/NDF: 99.4/61

asym_sam3_reg_correction_rms vs Slug



Right In: 2076.922+/-0.331 χ^2/NDF: 4340939.4/33

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2115.116+/-0.332 χ^2/NDF: 4922289.4/38

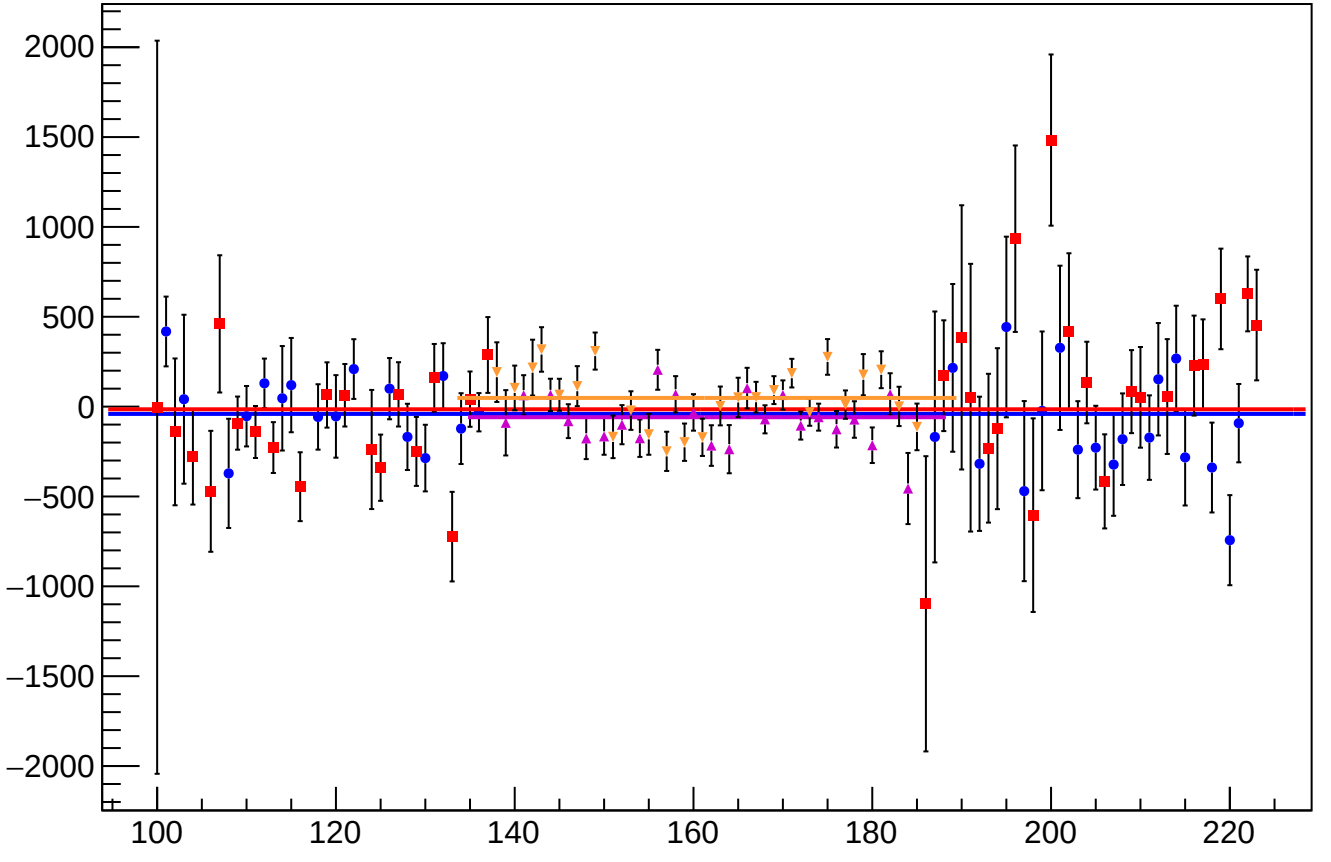
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 973.889+/-0.123 χ^2/NDF: 19643102.7/58

All: 973.833+/-0.088 χ^2/NDF: 40481666.6/12

- sign 973.776+/-0.125 χ^2/NDF: 20838563.4/61

cor_asym_sam3_mean vs Slug



Right In: -40.559+/-38.432 χ^2/NDF: 33.1/33

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -14.832+/-38.636 χ^2/NDF: 69.3/38

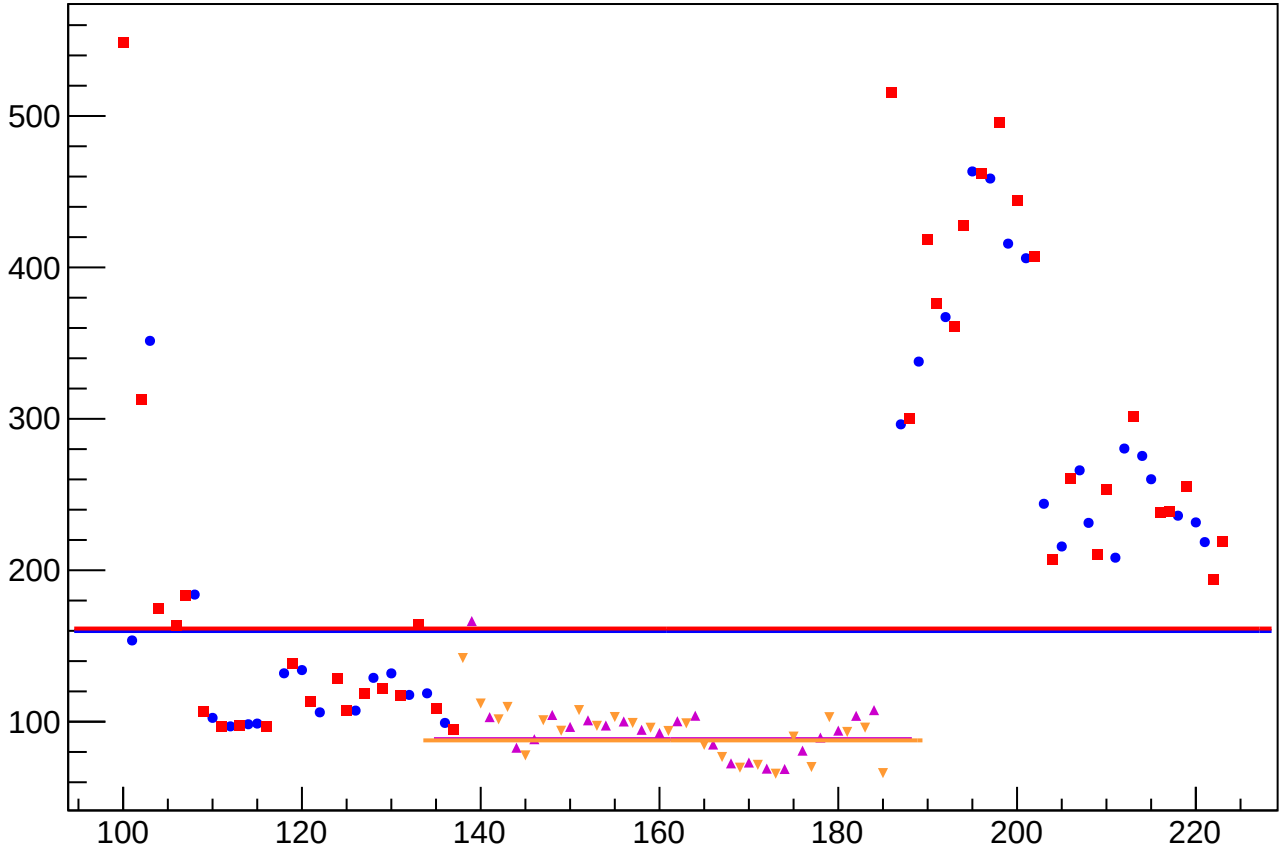
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 28.810+/-18.035 χ^2/NDF: 90.9/58

All: -8.901+/-12.933 χ^2/NDF: 200.7/120

- sign -48.824+/-18.556 χ^2/NDF: 100.9/61

cor_asym_sam3_rms vs Slug



Right In: 159.871+/-0.027 χ^2/NDF: 8497246.0/33

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 161.509+/-0.027 χ^2/NDF: 9670112.4/38

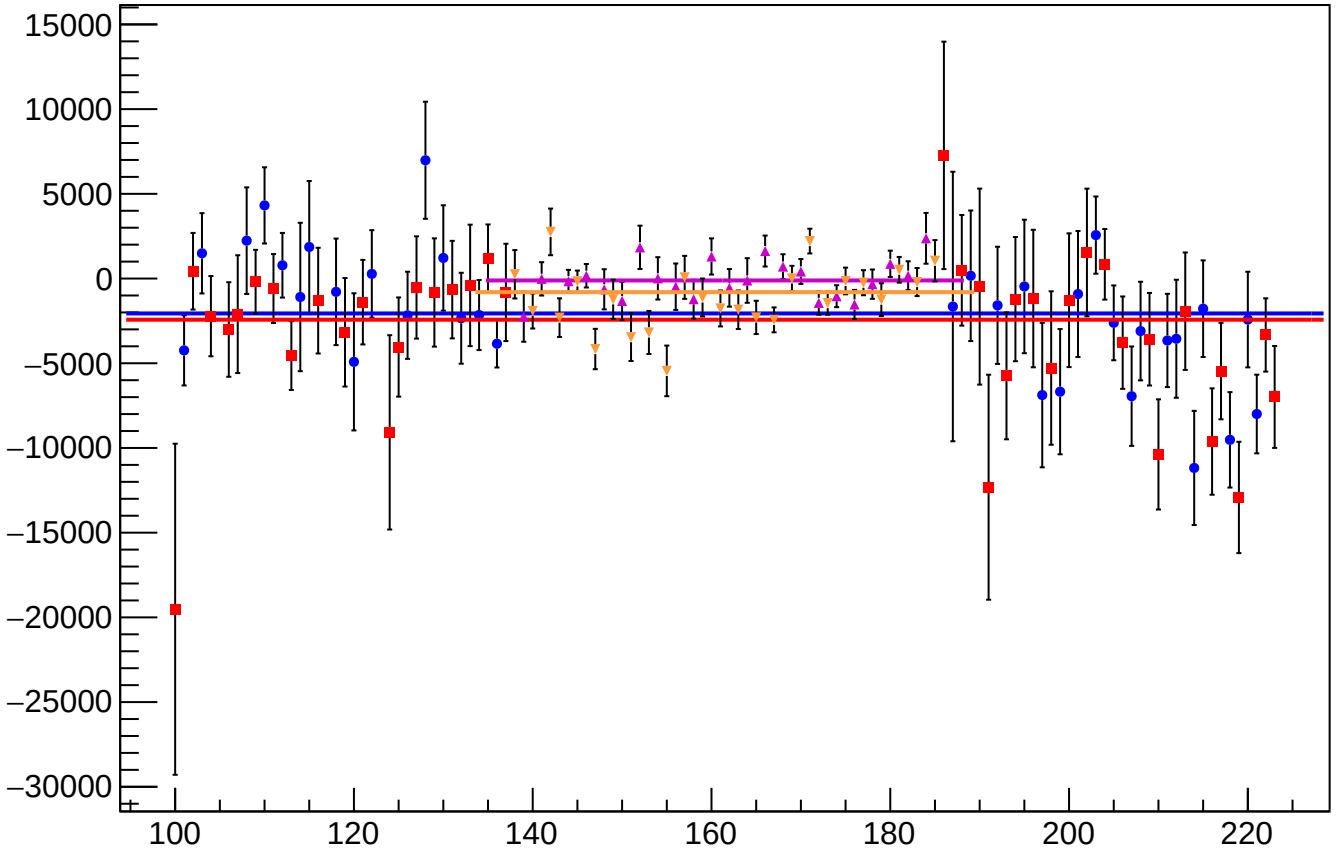
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 103.558+/-0.013 χ^2/NDF: 15217117.4/58

All: 104.418+/-0.009 χ^2/NDF: 31469049.6/12

- sign 105.327+/-0.013 χ^2/NDF: 16242583.7/61

asym_sam3_cor_correction_mean vs Slug



Right In: -2060.272+/-468.223 χ^2/NDF: 59.6/33

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -2429.488+/-470.113 χ^2/NDF: 50.7/38

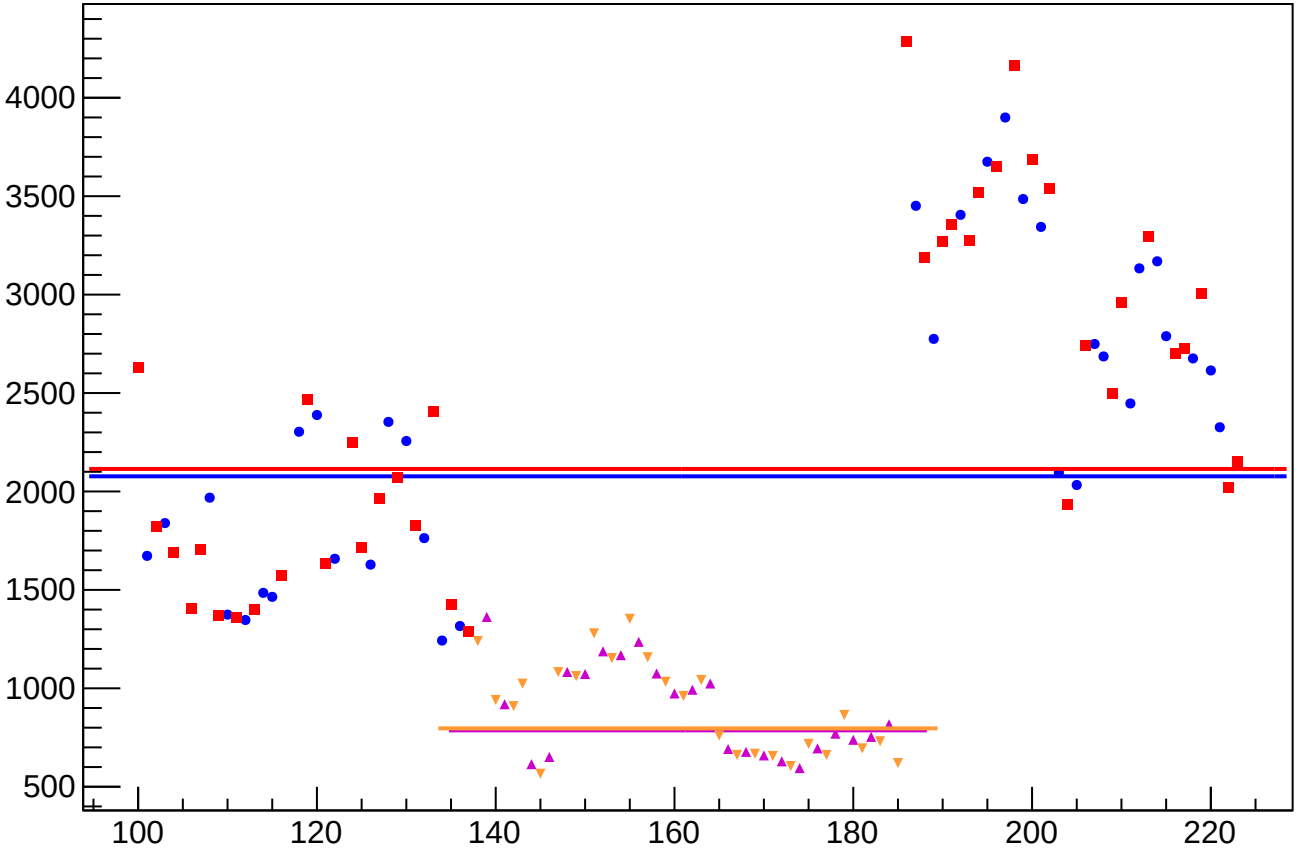
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -975.867+/-174.266 χ^2/NDF: 137.7/58

All: -710.462+/-123.963 χ^2/NDF: 241.1/120

- sign -438.606+/-176.372 χ^2/NDF: 98.7/61

asym_sam3_cor_correction_rms vs Slug



Right In: 2076.931+/-0.331 χ^2/NDF: 4340908.2/33

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2114.470+/-0.332 χ^2/NDF: 4940800.6/38

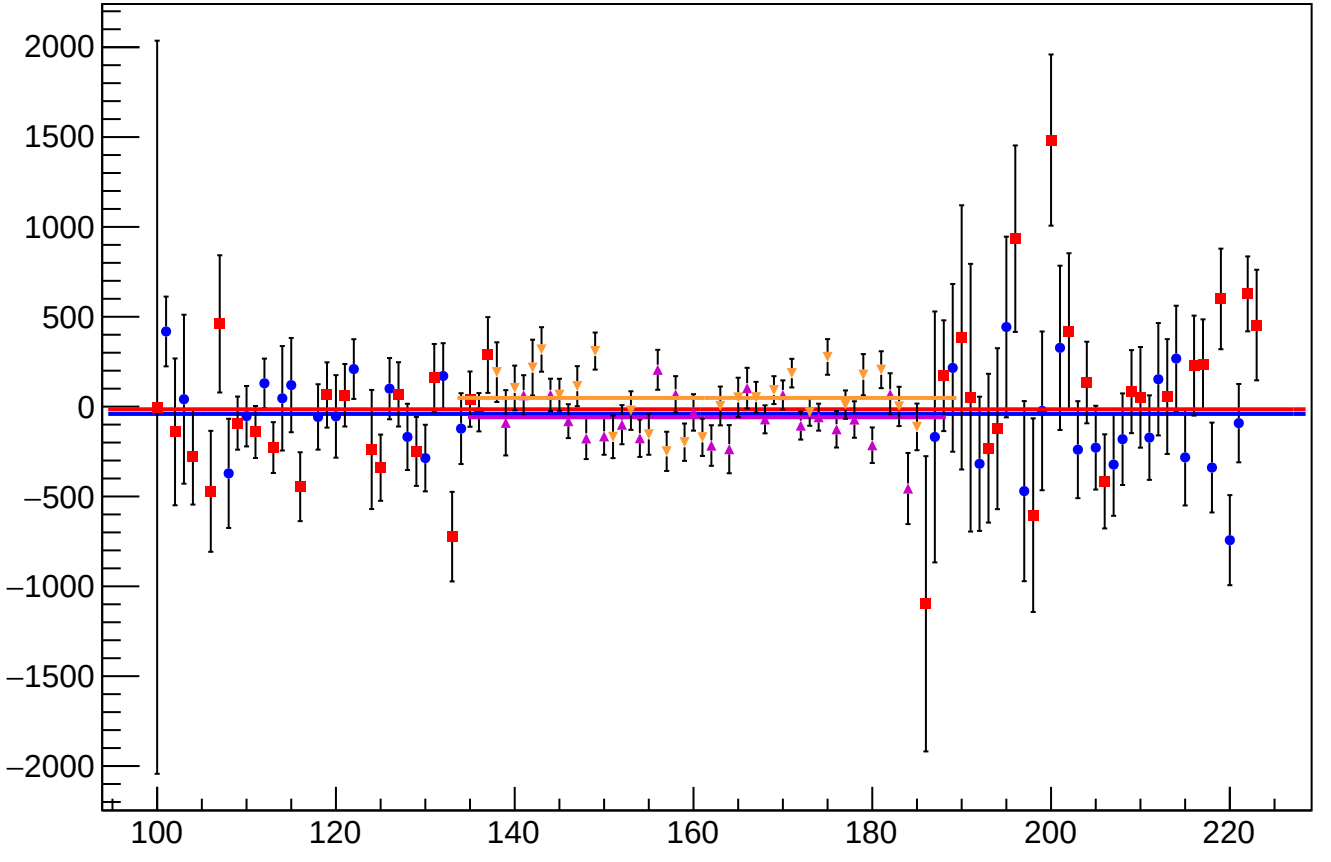
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 973.889+/-0.123 χ^2/NDF: 19643166.4/58

All: 973.584+/-0.088 χ^2/NDF: 40456561.6/12

- sign 973.272+/-0.125 χ^2/NDF: 20813382.8/61

eigen_cor_asym_sam3_mean vs Slug



Right In: -40.559+/-38.432 χ^2/NDF: 33.1/33

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -14.832+/-38.636 χ^2/NDF: 69.3/38

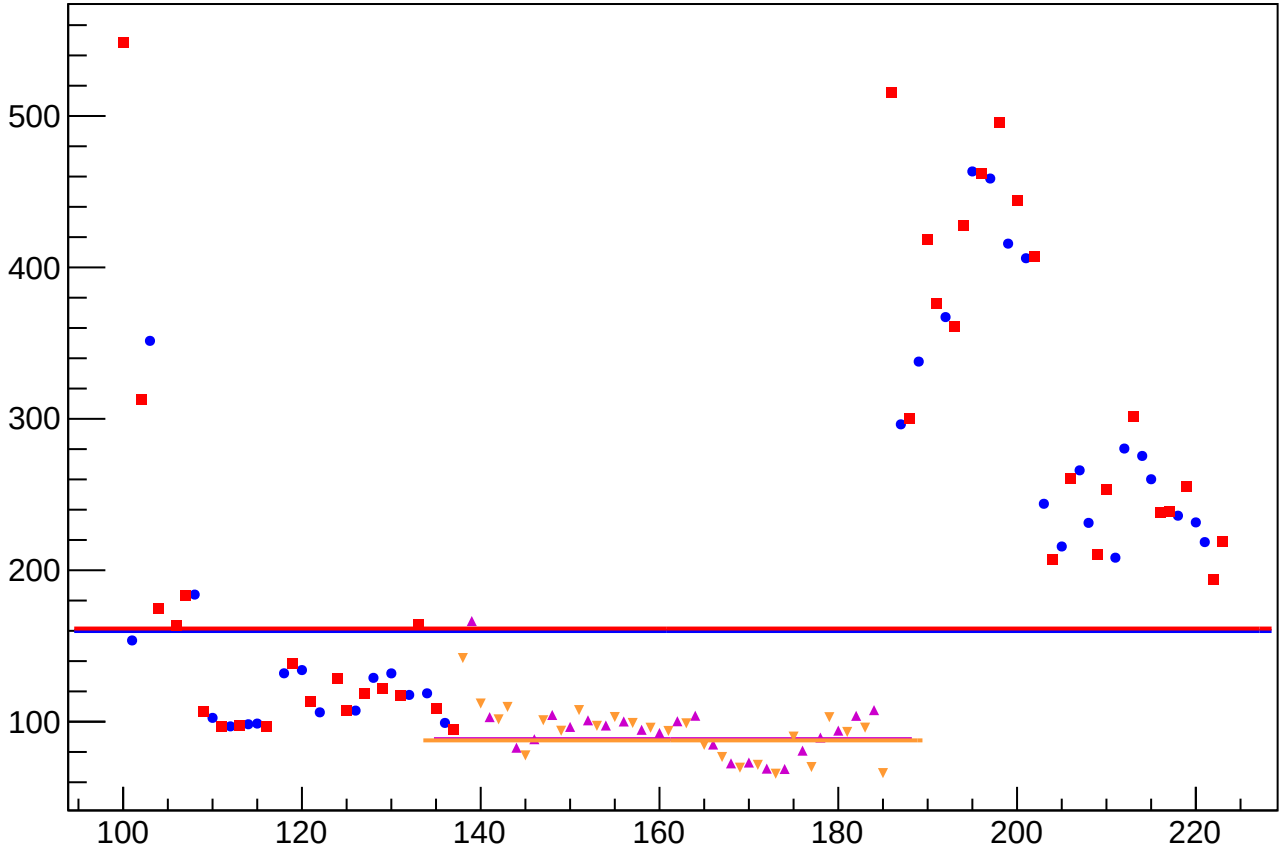
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 28.810+/-18.035 χ^2/NDF: 90.9/58

All: -8.901+/-12.933 χ^2/NDF: 200.7/120

- sign -48.824+/-18.556 χ^2/NDF: 100.9/61

eigen_cor_asym_sam3_rms vs Slug



Right In: 159.871+/-0.027 χ^2/NDF: 8497246.0/33

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

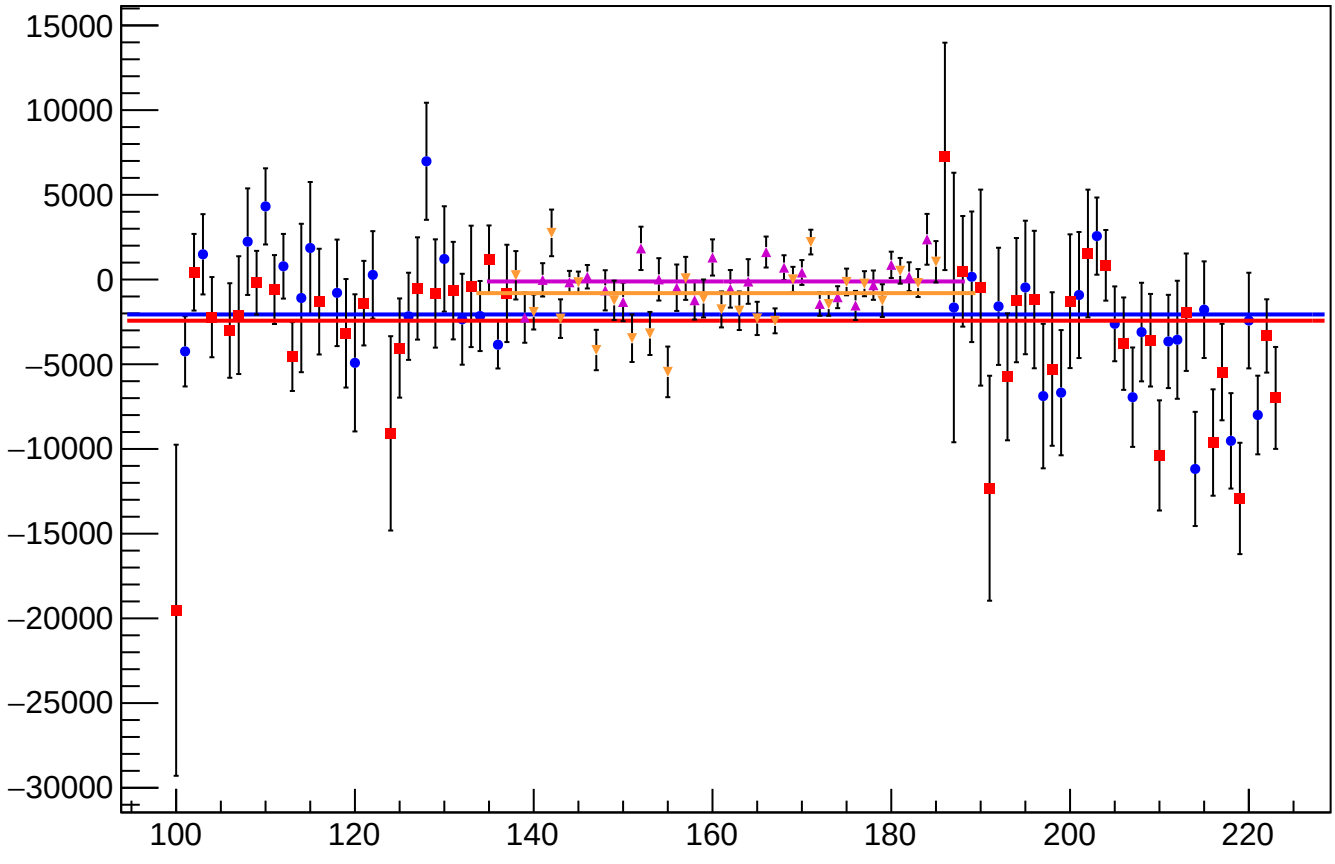
Right Out: 161.509+/-0.027 χ^2/NDF: 9670112.4/38

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 103.558+/-0.013 χ^2/NDF: 15217117.4/58

All: 104.418+/-0.009 χ^2/NDF: 31469049.6/12

- sign 105.327+/-0.013 χ^2/NDF: 16242583.7/61



Right In: -2060.272+/-468.223 χ^2/NDF: 59.6/33

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -2429.488+/-470.113 χ^2/NDF: 50.7/38

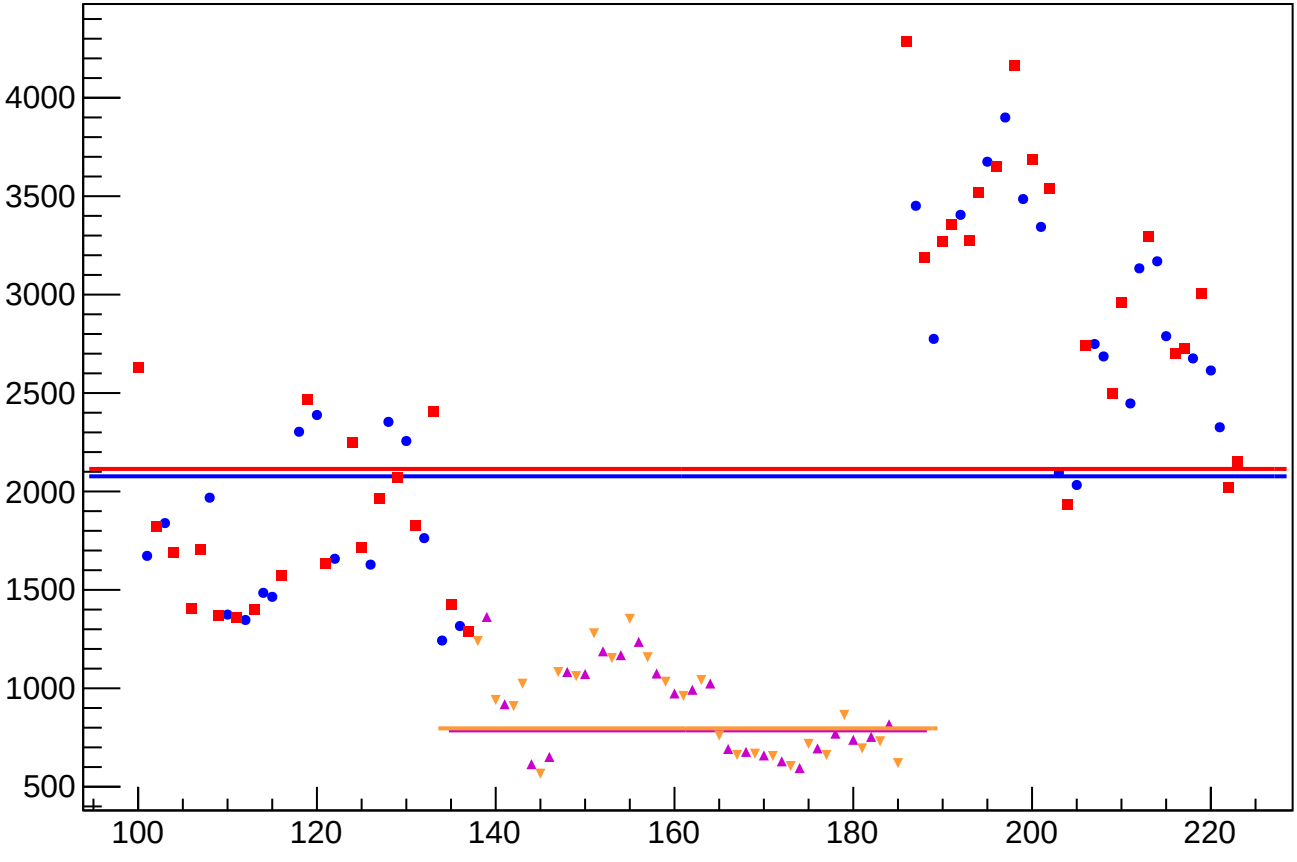
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -975.867+/-174.266 χ^2/NDF: 137.7/58

All: -710.462+/-123.963 χ^2/NDF: 241.1/120

- sign -438.606+/-176.372 χ^2/NDF: 98.7/61

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 2076.931+/-0.331 χ^2/NDF: 4340908.2/33

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2114.470+/-0.332 χ^2/NDF: 4940800.6/38

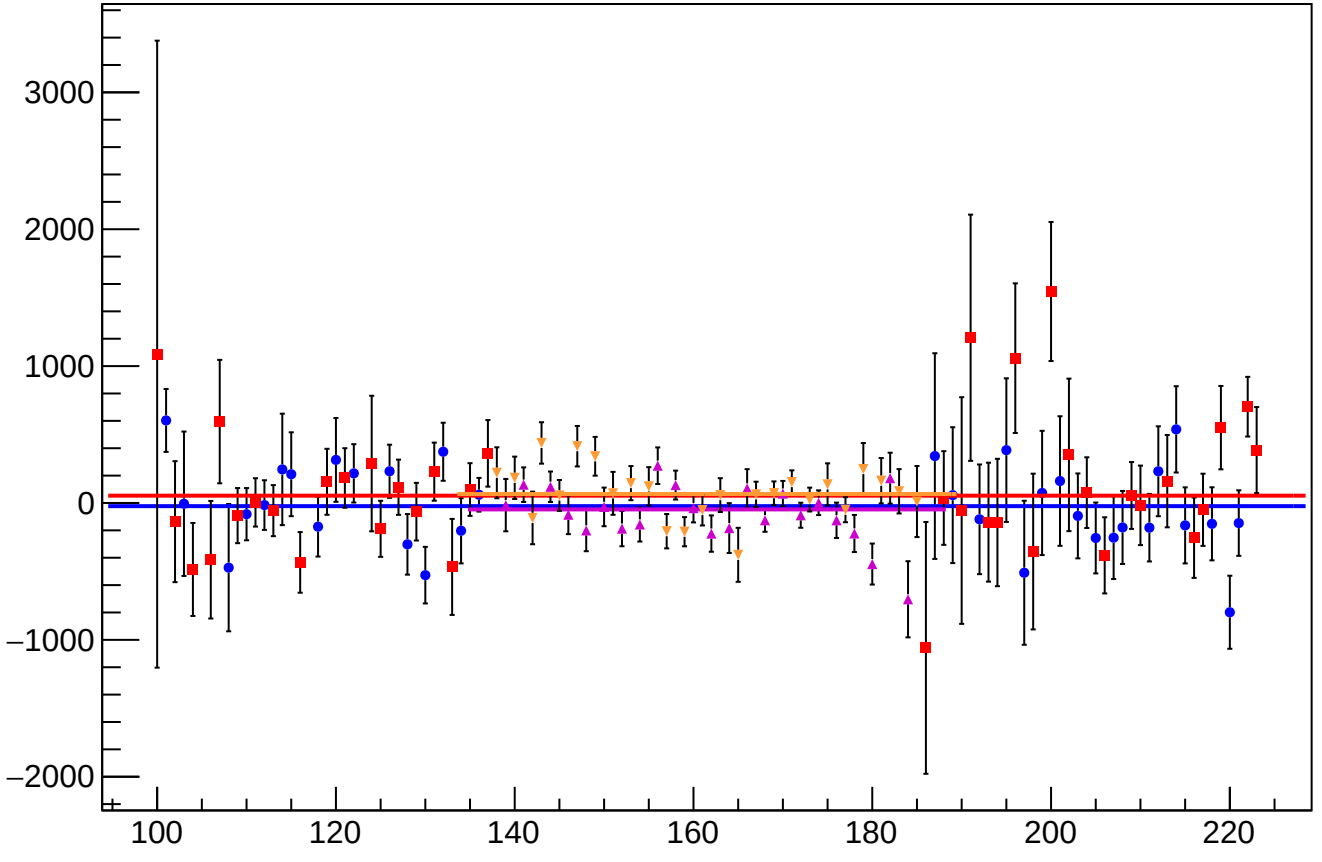
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 973.889+/-0.123 χ^2/NDF: 19643166.4/58

All: 973.584+/-0.088 χ^2/NDF: 40456561.6/12

- sign 973.272+/-0.125 χ^2/NDF: 20813382.8/61

dit_asym_sam3_mean vs Slug



Right In: -23.161+/-44.504 χ^2/NDF: 43.4/33

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 53.369+/-45.316 χ^2/NDF: 51.3/38

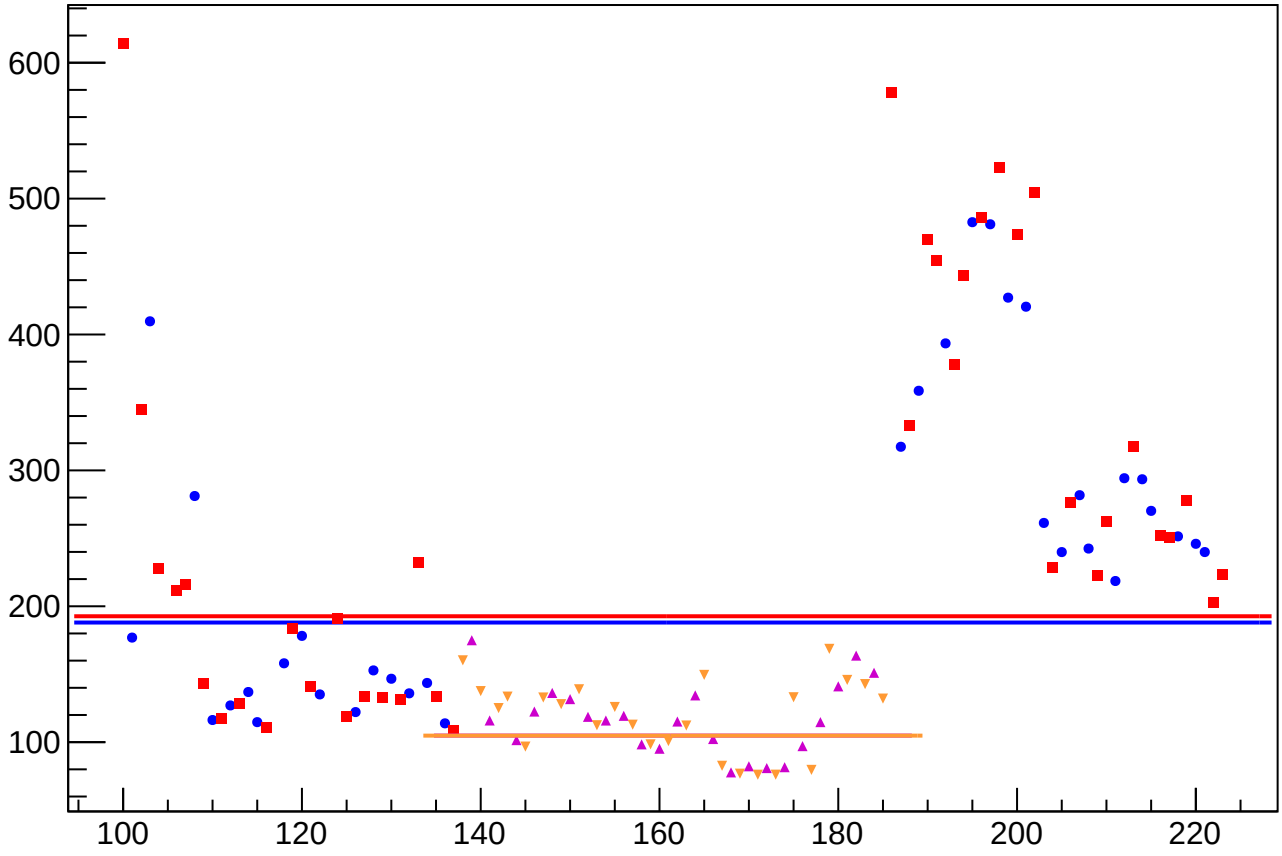
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

\+ sign 44.310+/-21.836 χ^2/NDF: 86.4/58

All: 11.633+/-15.620 χ^2/NDF: 184.7/120

\- sign -22.609+/-22.353 χ^2/NDF: 93.6/61

dit_asym_sam3_rms vs Slug



Right In: 188.038+/-0.031 χ^2/NDF: 7052418.1/33

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 192.659+/-0.032 χ^2/NDF: 8166519.4/38

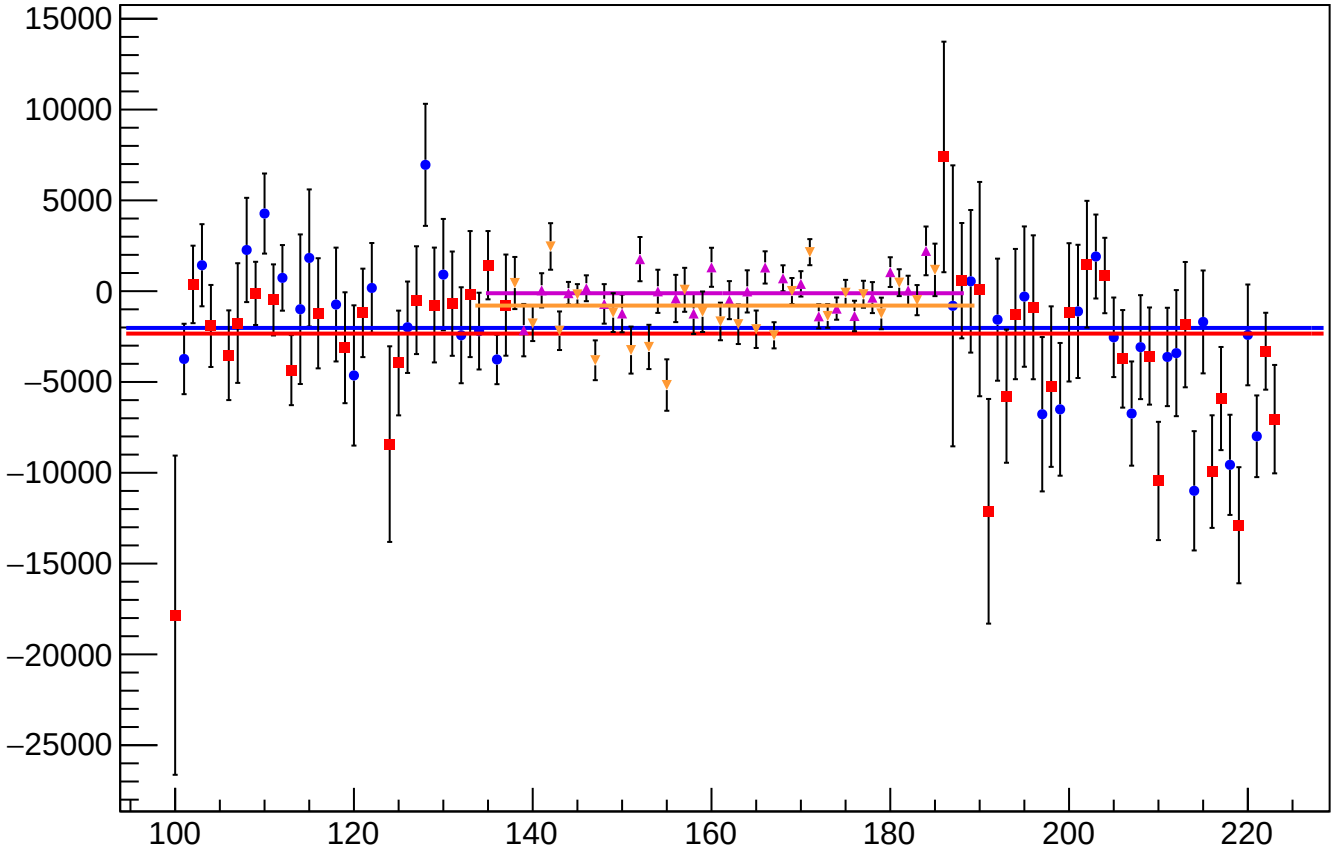
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 124.846+/-0.015 χ^2/NDF: 14606127.3/58

All: 125.508+/-0.011 χ^2/NDF: 30075108.2/12

- sign 126.203+/-0.016 χ^2/NDF: 15465210.3/61

asym_sam3_dit_correction_mean vs Slug



Right In: -2024.346+/-456.752 χ^2/NDF: 59.8/33

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -2335.987+/-453.586 χ^2/NDF: 55.3/38

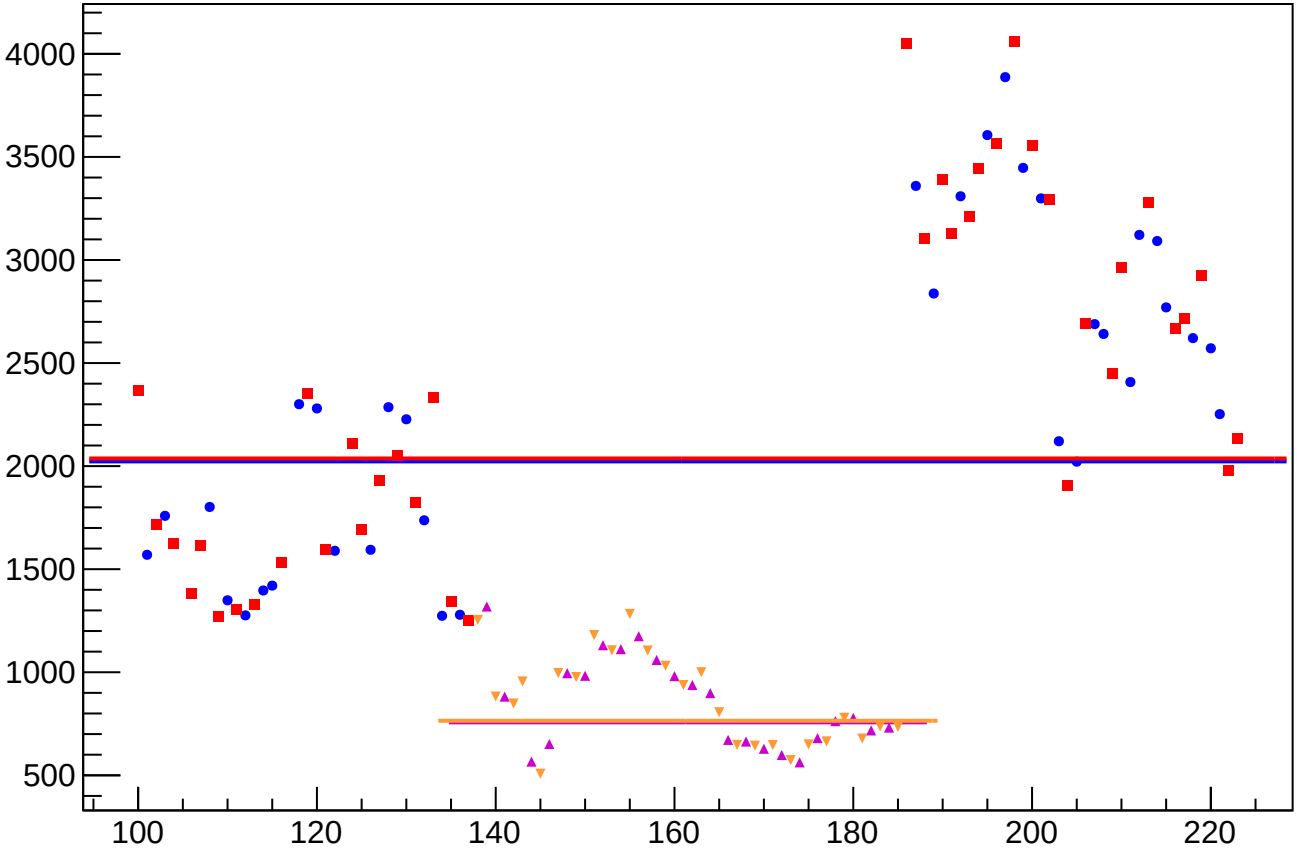
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -958.423+/-167.382 χ^2/NDF: 136.2/58

All: -695.621+/-119.206 χ^2/NDF: 243.4/120

- sign -425.142+/-169.809 χ^2/NDF: 102.2/61

asym_sam3_dit_correction_rms vs Slug



Right In: 2023.001+/-0.323 χ^2/NDF: 4507073.5/33

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 2037.067+/-0.321 χ^2/NDF: 5210006.1/38

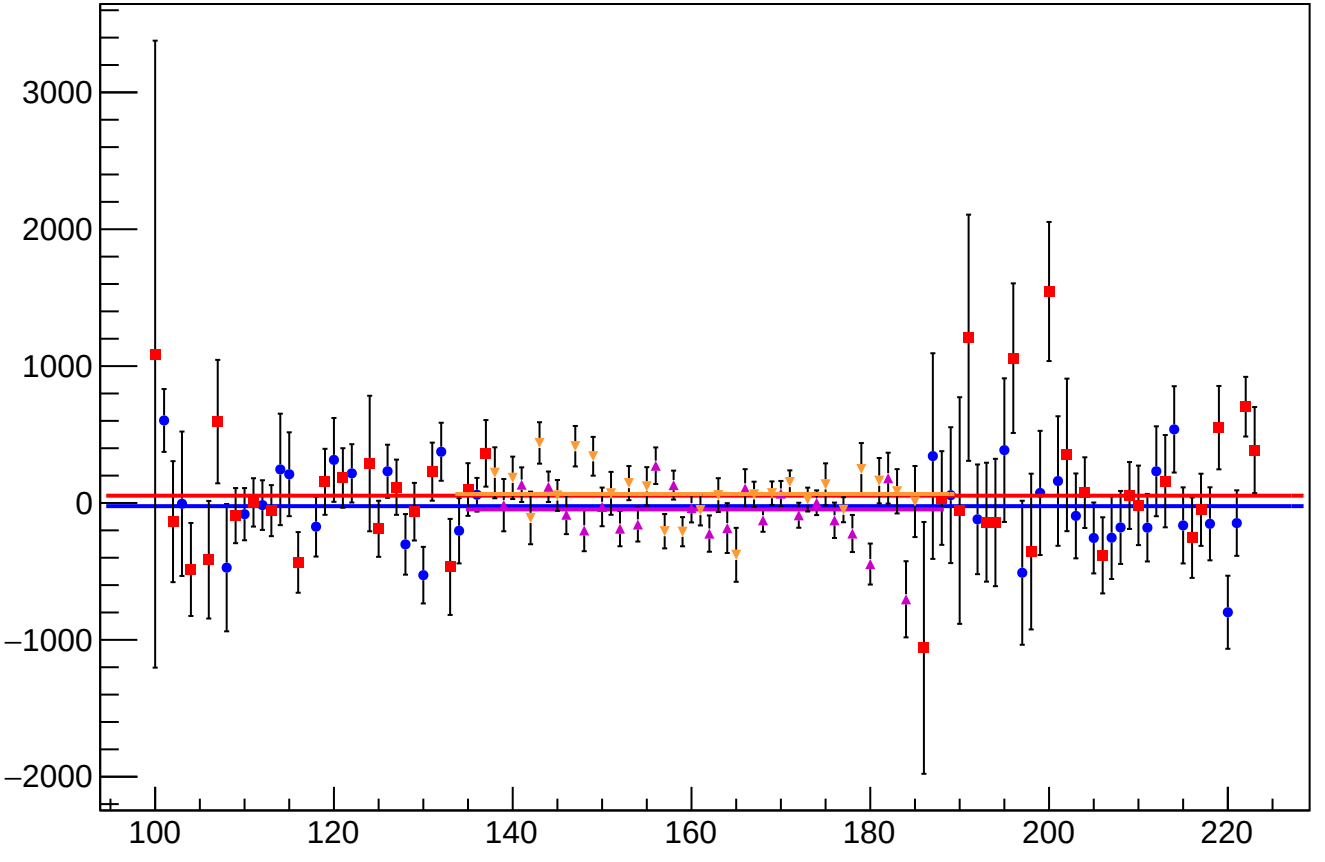
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 933.711+/-0.118 χ^2/NDF: 20072332.6/58

All: 935.008+/-0.084 χ^2/NDF: 41095575.3/12

- sign 936.342+/-0.120 χ^2/NDF: 21022999.3/61

eigen_dit_asym_sam3_mean vs Slug



Right In: -23.161+/-44.504 χ^2/NDF: 43.4/33

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 53.373+/-45.316 χ^2/NDF: 51.3/38

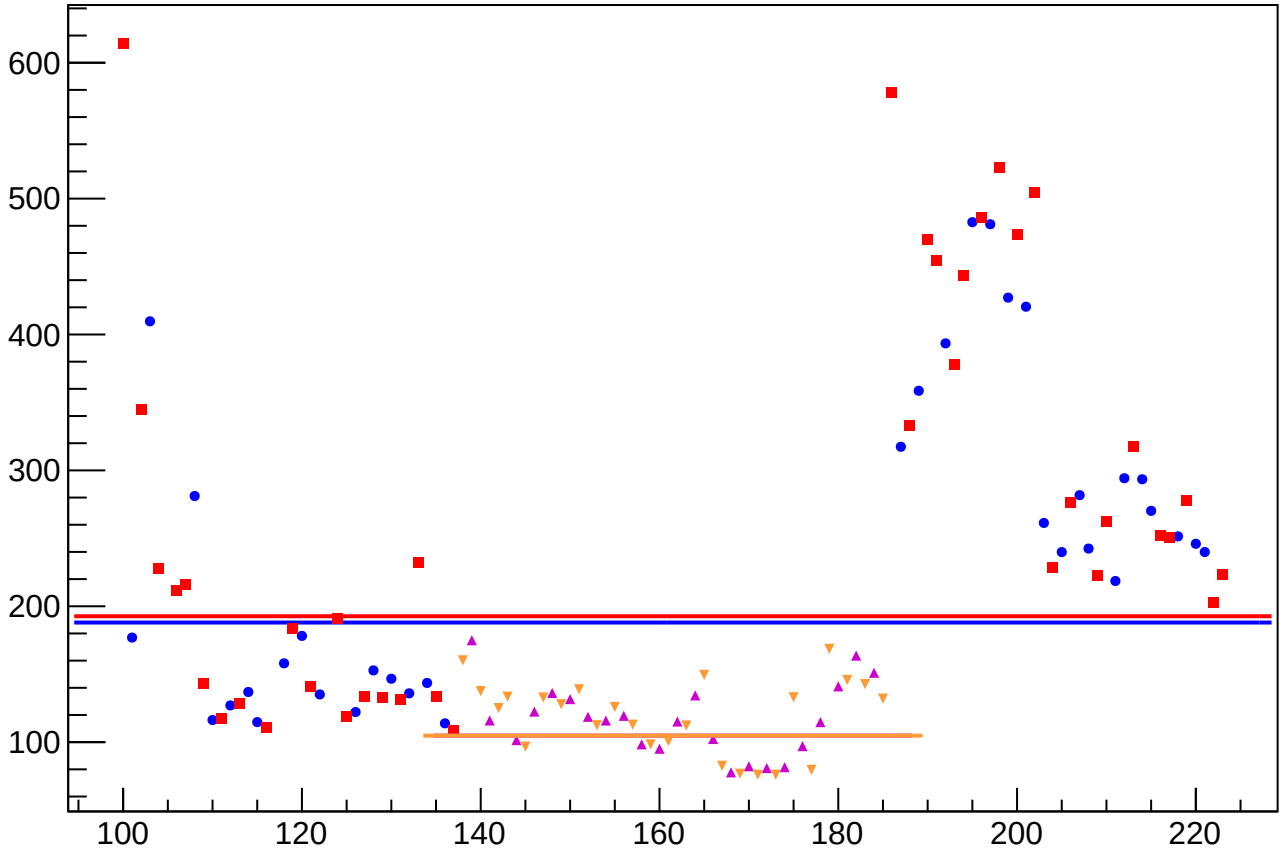
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 44.310+/-21.836 χ^2/NDF: 86.4/58

All: 11.634+/-15.620 χ^2/NDF: 184.7/120

- sign -22.607+/-22.353 χ^2/NDF: 93.6/61

eigen_dit_asym_sam3_rms vs Slug



Right In: 188.038+/-0.031 χ^2/NDF: 7052396.6/33

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 192.659+/-0.032 χ^2/NDF: 8166488.4/38

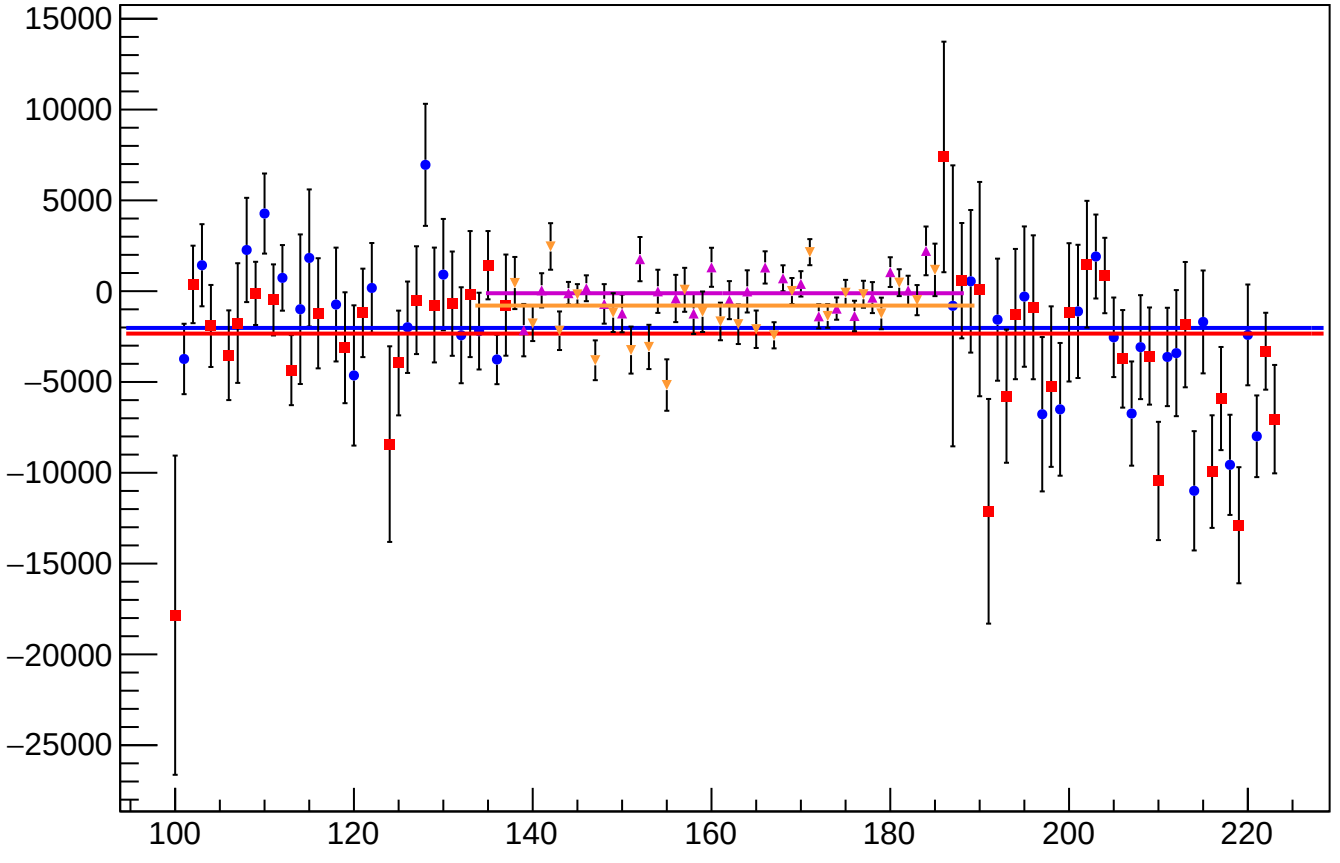
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 124.846+/-0.015 χ^2/NDF: 14606101.1/58

All: 125.509+/-0.011 χ^2/NDF: 30075056.6/12

- sign 126.203+/-0.016 χ^2/NDF: 15465185.0/61

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -2024.342+/-456.752 χ^2/NDF: 59.8/33

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -2335.984+/-453.585 χ^2/NDF: 55.3/38

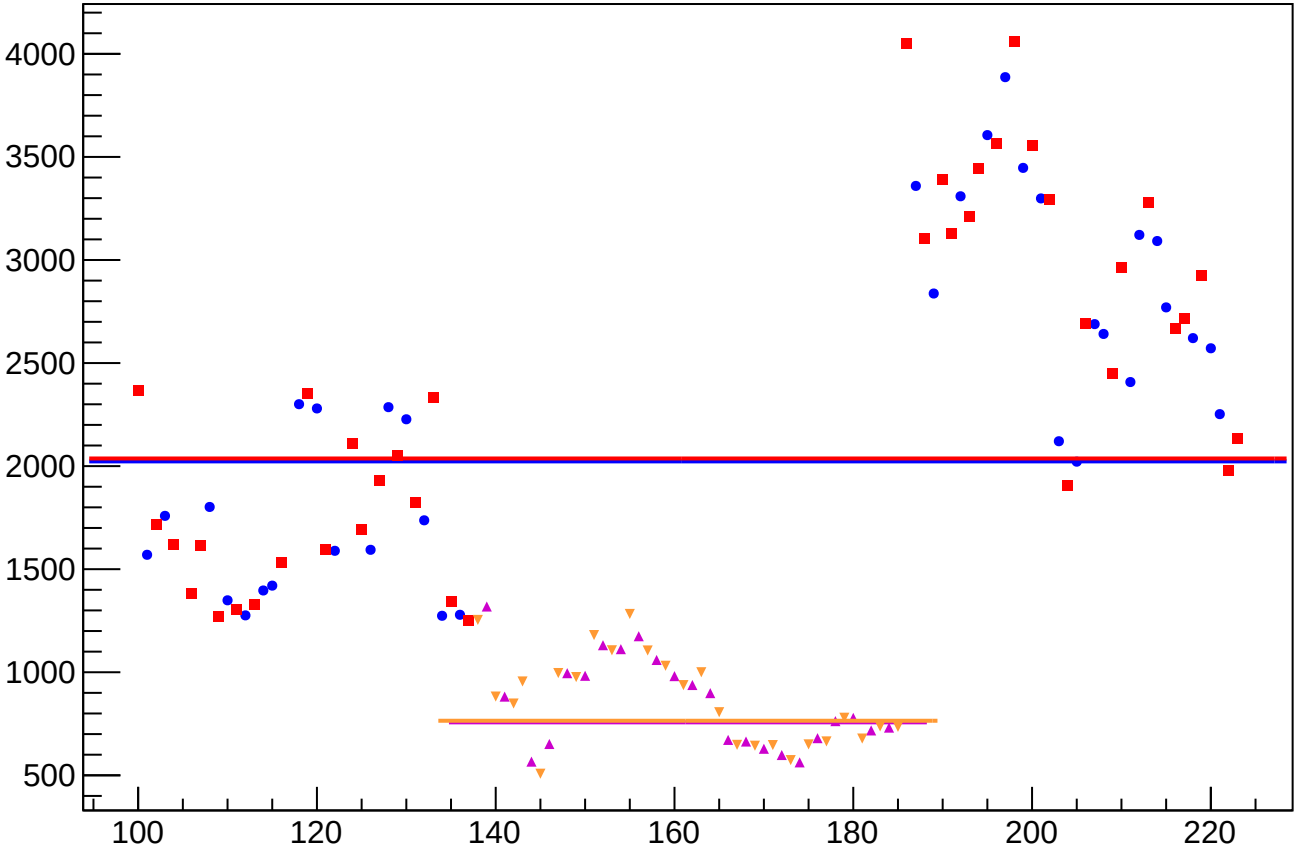
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -958.423+/-167.382 χ^2/NDF: 136.2/58

All: -695.620+/-119.205 χ^2/NDF: 243.4/120

- sign -425.142+/-169.809 χ^2/NDF: 102.2/61

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 2023.000+/-0.323 χ^2/NDF: 4507074.6/33

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 2037.065+/-0.321 χ^2/NDF: 5210009.5/38

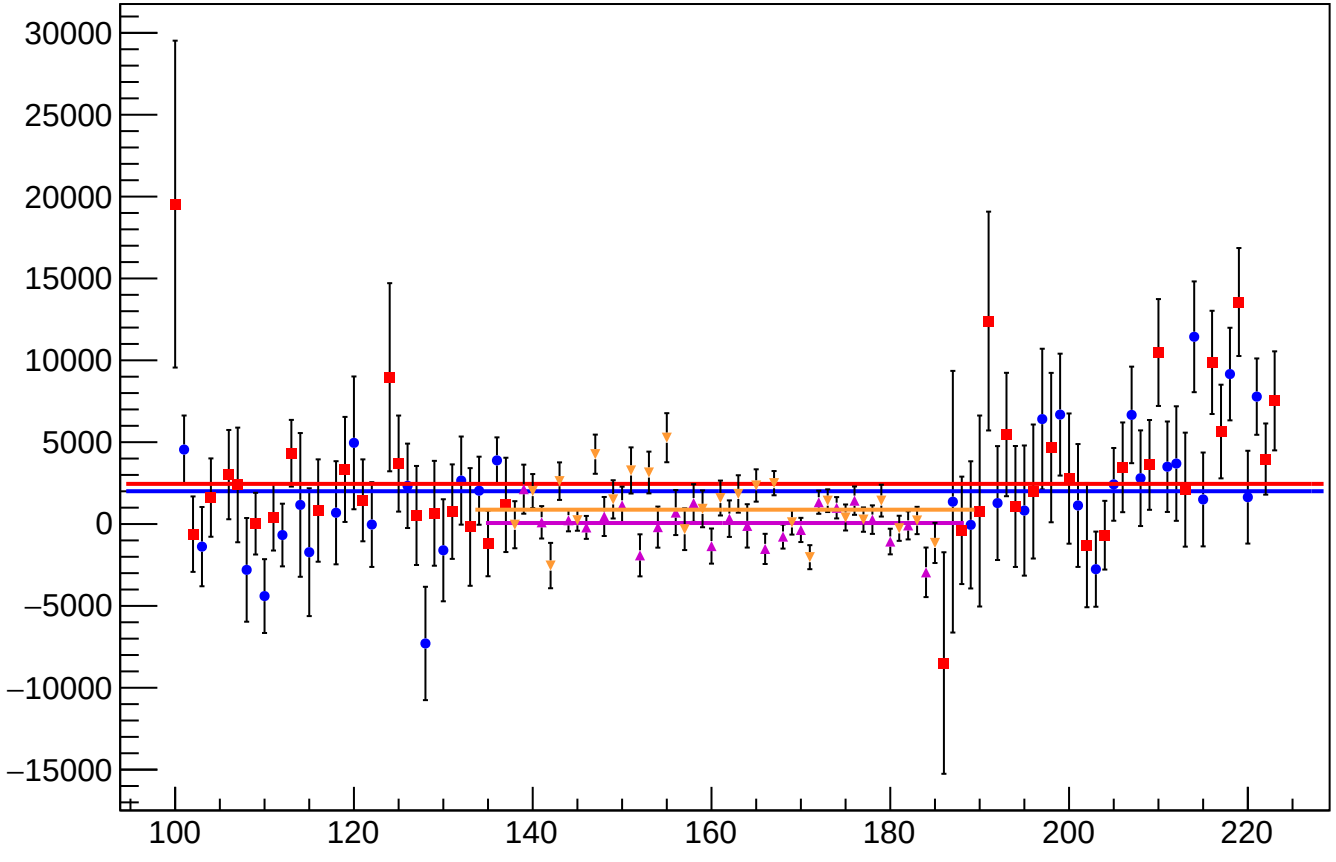
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 933.711+/-0.118 χ^2/NDF: 20072327.0/58

All: 935.007+/-0.084 χ^2/NDF: 41095561.8/12

- sign 936.341+/-0.120 χ^2/NDF: 21022991.5/61

asym_sam3_mean vs Slug



Right In: 2004.699+/-470.525 χ^2/NDF: 59.4/33

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 2453.034+/-472.059 χ^2/NDF: 53.1/38

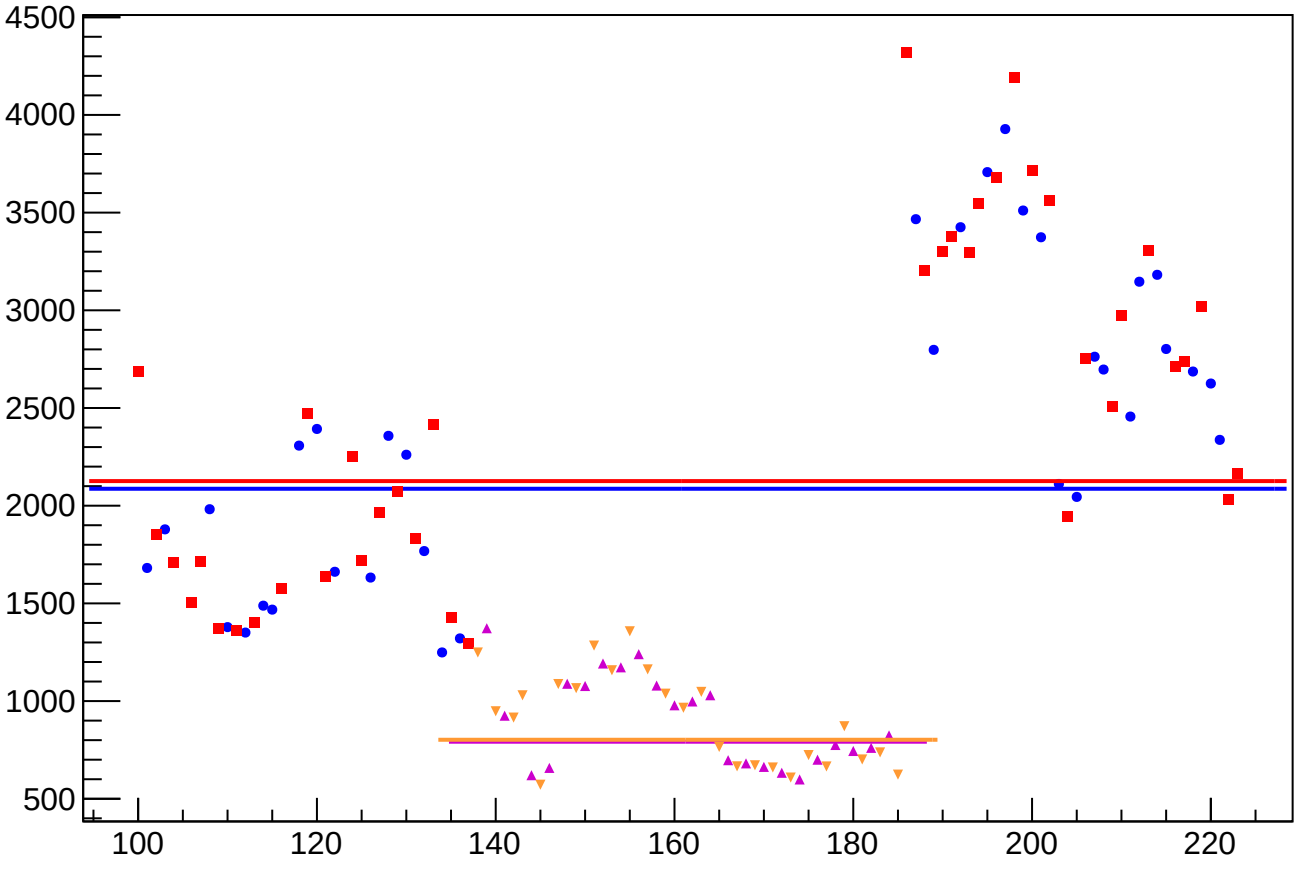
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 1033.223+/-175.379 χ^2/NDF: 131.6/58

All: 720.878+/-124.766 χ^2/NDF: 240.3/120

- sign 400.822+/-177.531 χ^2/NDF: 102.3/61

asym_sam3_rms vs Slug



Right In: 2086.675+/-0.333 χ^2/NDF: 4358007.5/33

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2125.904+/-0.334 χ^2/NDF: 4936454.4/38

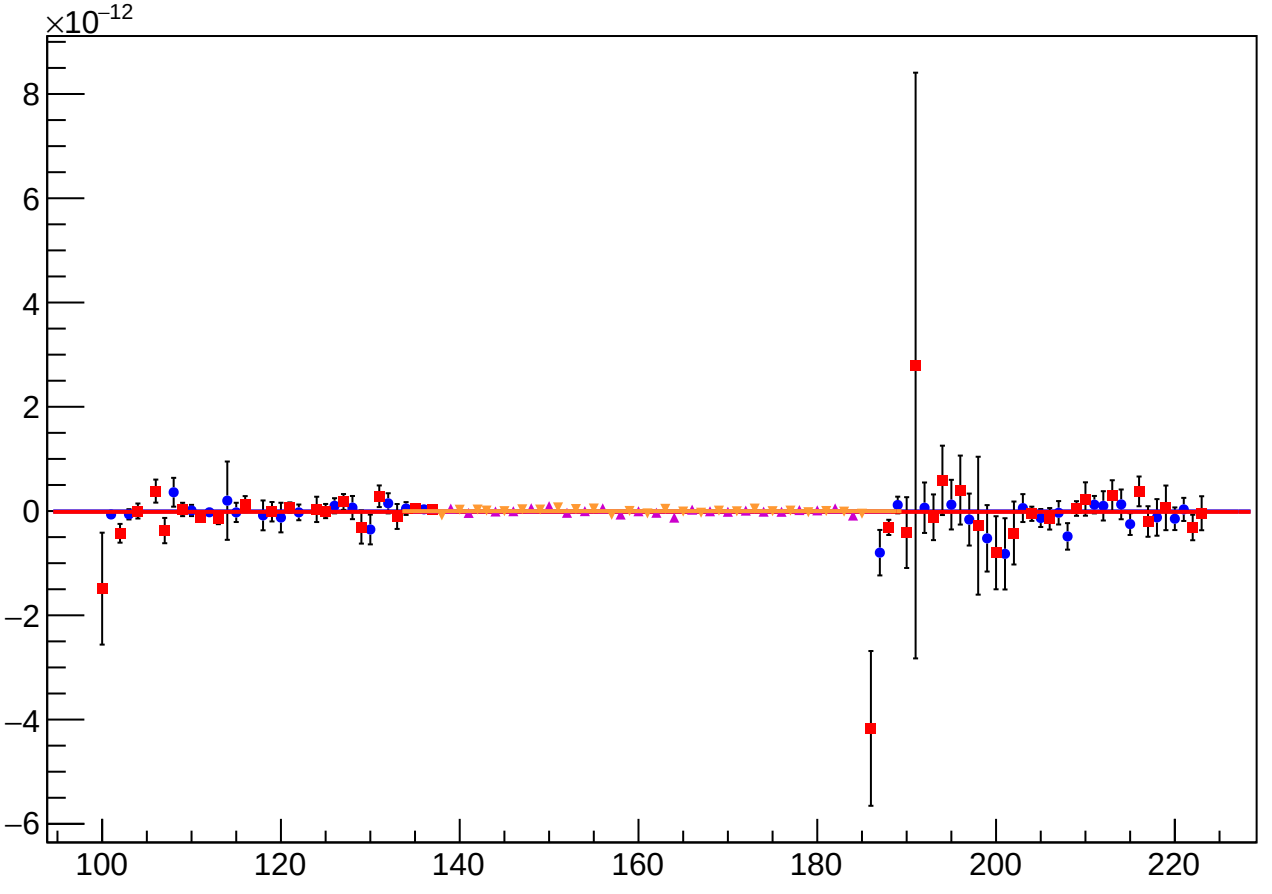
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 980.490+/-0.124 χ^2/NDF: 19591560.7/58

All: 980.599+/-0.088 χ^2/NDF: 40373042.5/12

- sign 980.712+/-0.126 χ^2/NDF: 20781480.2/61

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

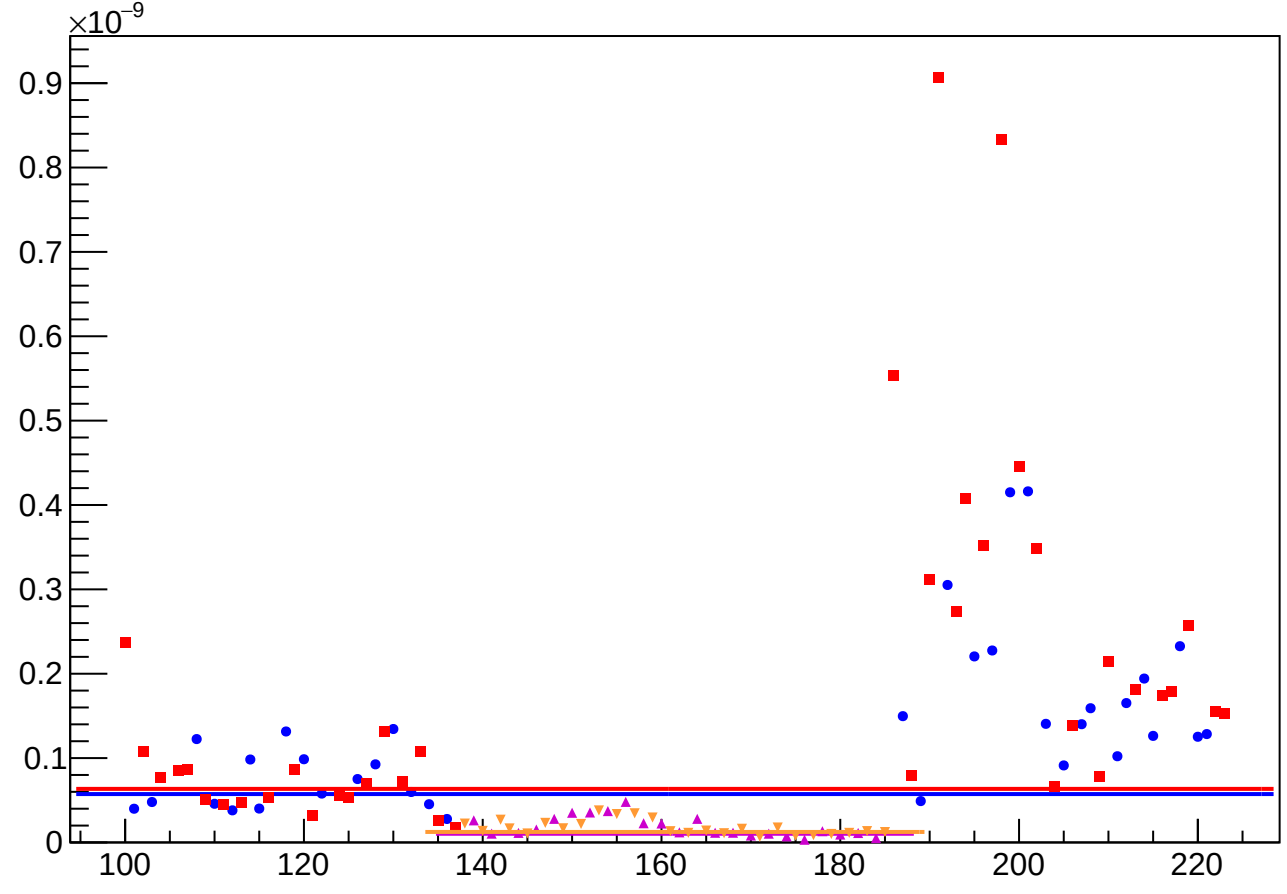
Right Out: -0.000+/-0.000 χ^2/NDF: 45.5/38

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/58

All: -0.000+/-0.000 χ^2/NDF: 121.9/120

- sign -0.000+/-0.000 χ^2/NDF: 77.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 6911092.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8135232.6/38

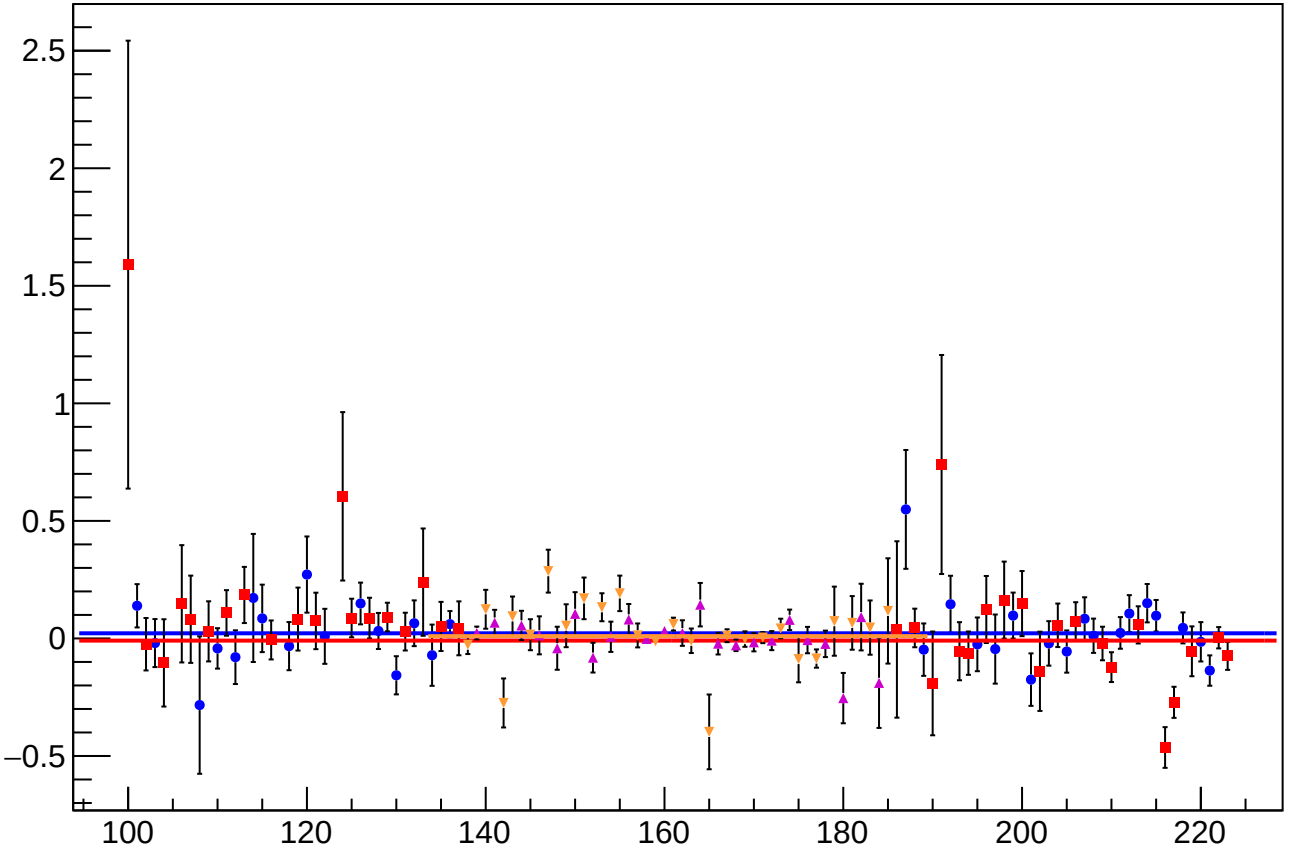
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15364482.3/58

All: 0.000+/-0.000 χ^2/NDF: 34855304.9/120

- sign 0.000+/-0.000 χ^2/NDF: 19253449.0/61

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.016 χ^2/NDF: 38.0/33

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.009+/-0.015 χ^2/NDF: 77.4/38

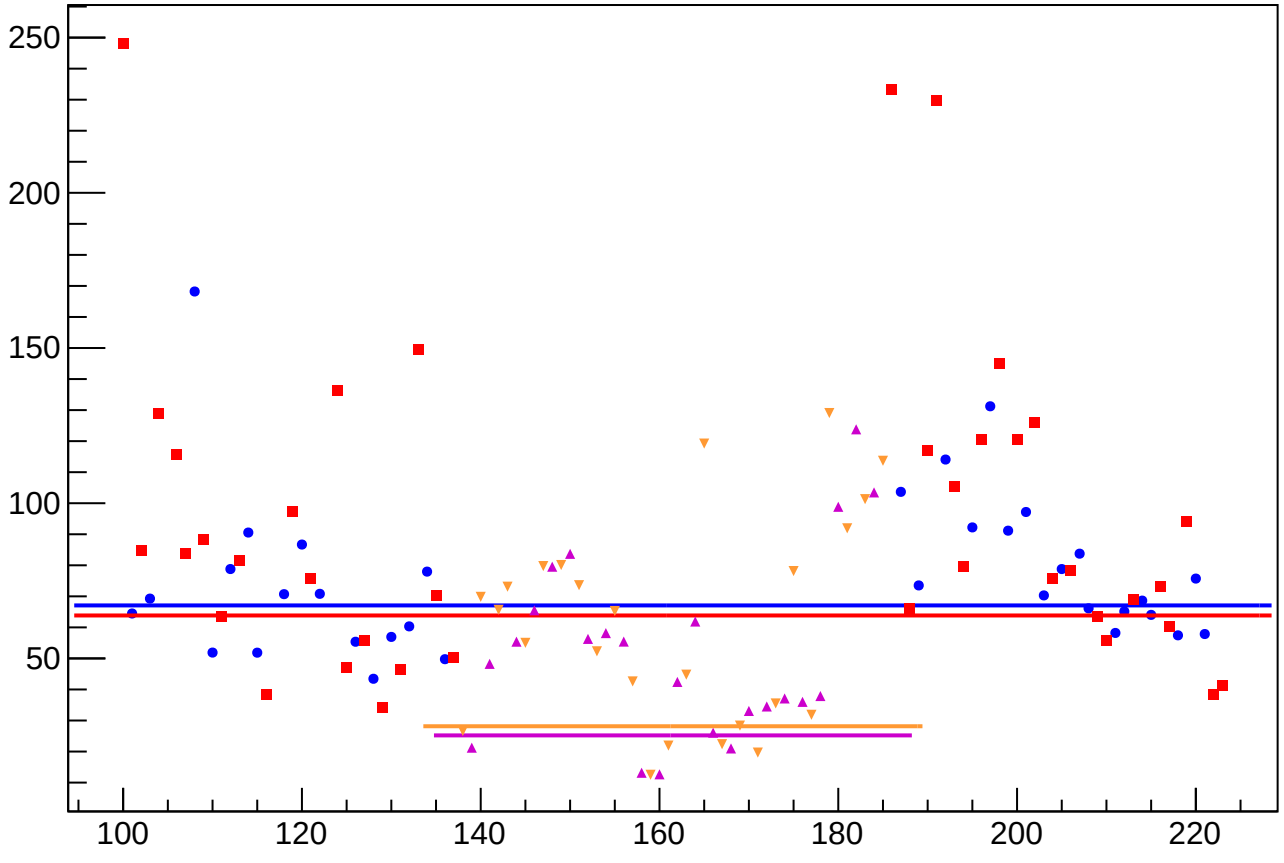
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 93.1/58

All: 0.009+/-0.005 χ^2/NDF: 197.3/120

- sign 0.006+/-0.007 χ^2/NDF: 103.8/61

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 67.077+/-0.011 χ^2/NDF: 2213425.3/33

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 63.840+/-0.011 χ^2/NDF: 5748234.0/38

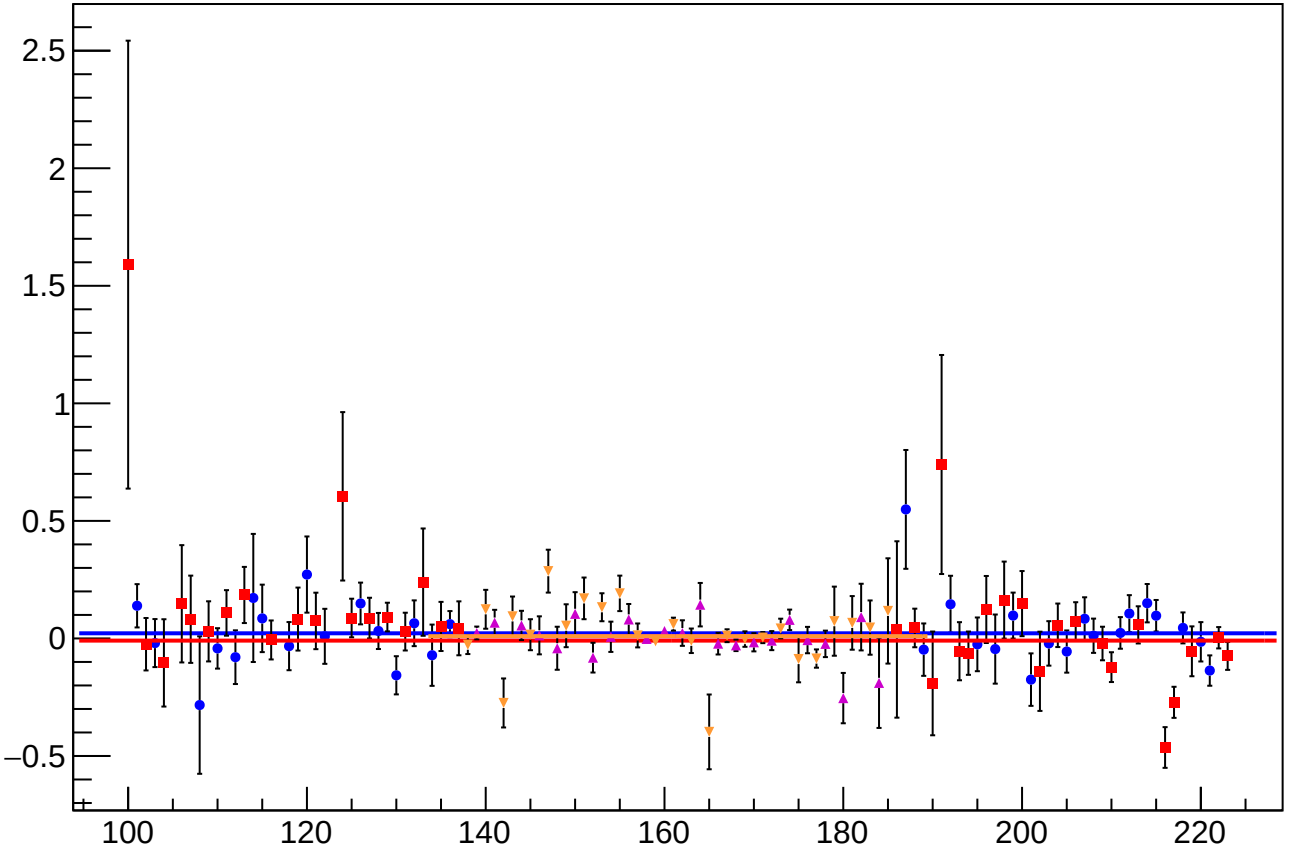
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 36.860+/-0.005 χ^2/NDF: 22762369.1/58

All: 34.964+/-0.004 χ^2/NDF: 48639663.7/120

- sign 33.267+/-0.005 χ^2/NDF: 25631828.0/61

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.016 χ^2/NDF: 38.0/33

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.009+/-0.015 χ^2/NDF: 77.4/38

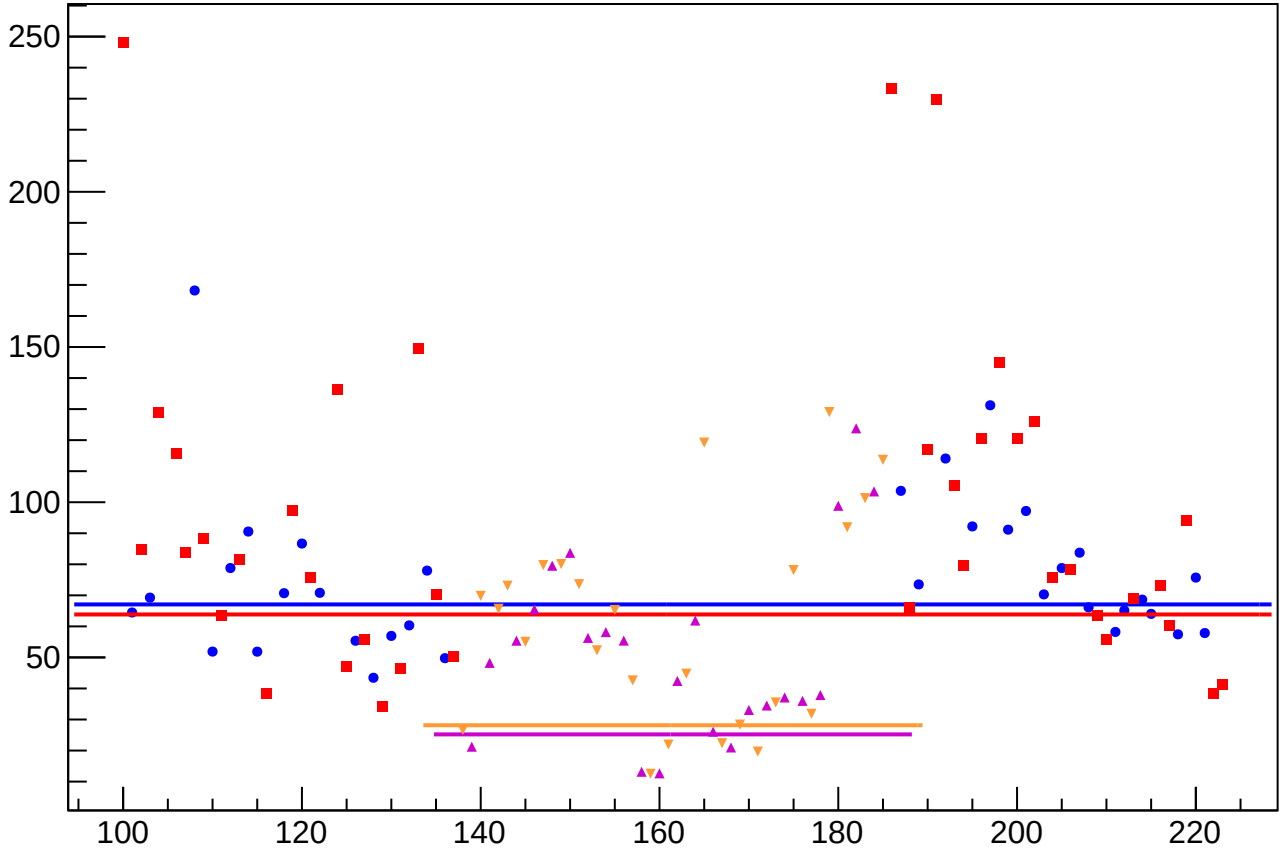
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 93.1/58

All: 0.009+/-0.005 χ^2/NDF: 197.3/120

- sign 0.006+/-0.007 χ^2/NDF: 103.8/61

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.077+/-0.011 χ^2/NDF: 2213425.3/33

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 63.840+/-0.011 χ^2/NDF: 5748234.0/38

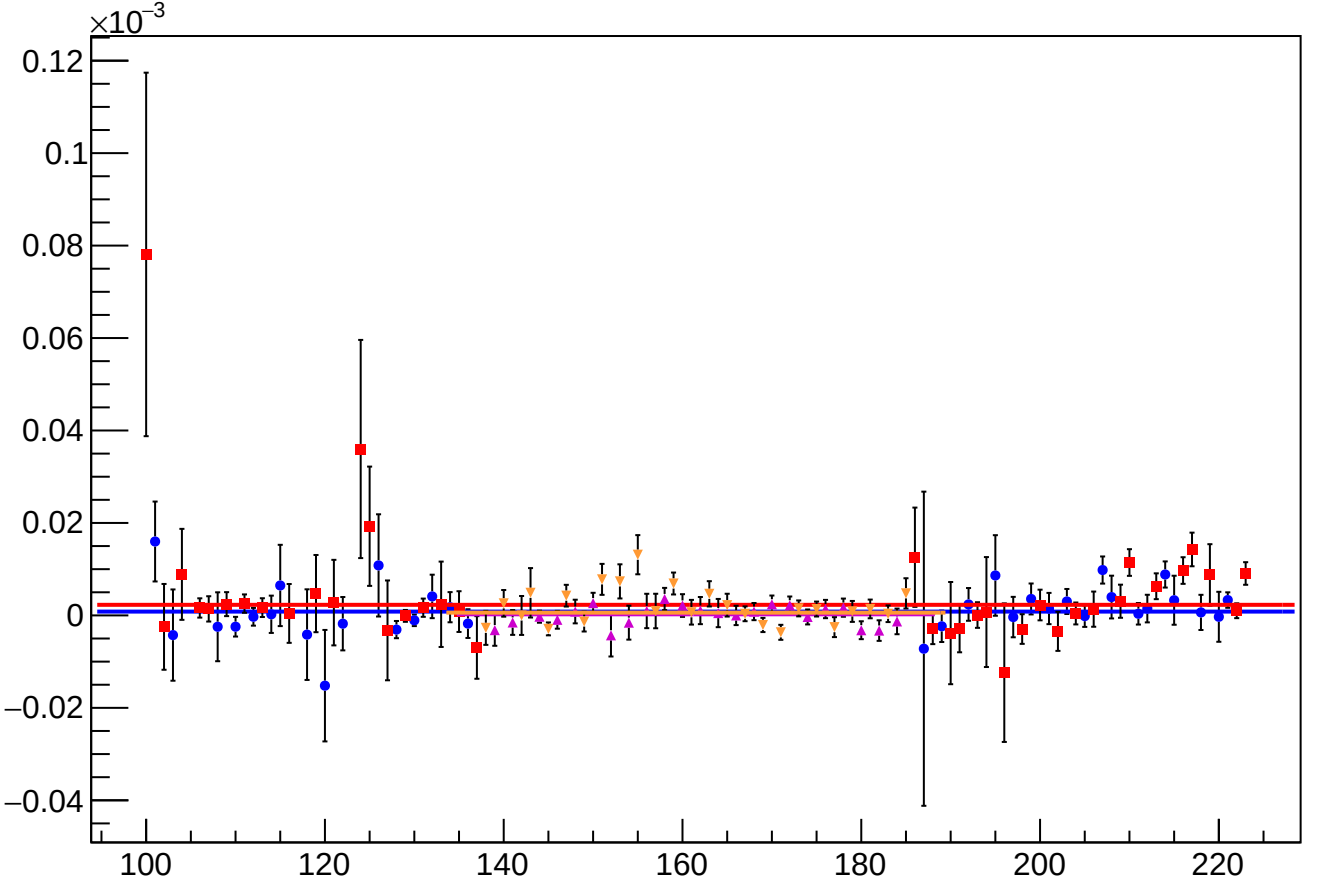
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 36.860+/-0.005 χ^2/NDF: 22762369.1/58

All: 34.964+/-0.004 χ^2/NDF: 48639663.7/120

- sign 33.267+/-0.005 χ^2/NDF: 25631828.0/61

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 41.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 64.8/38

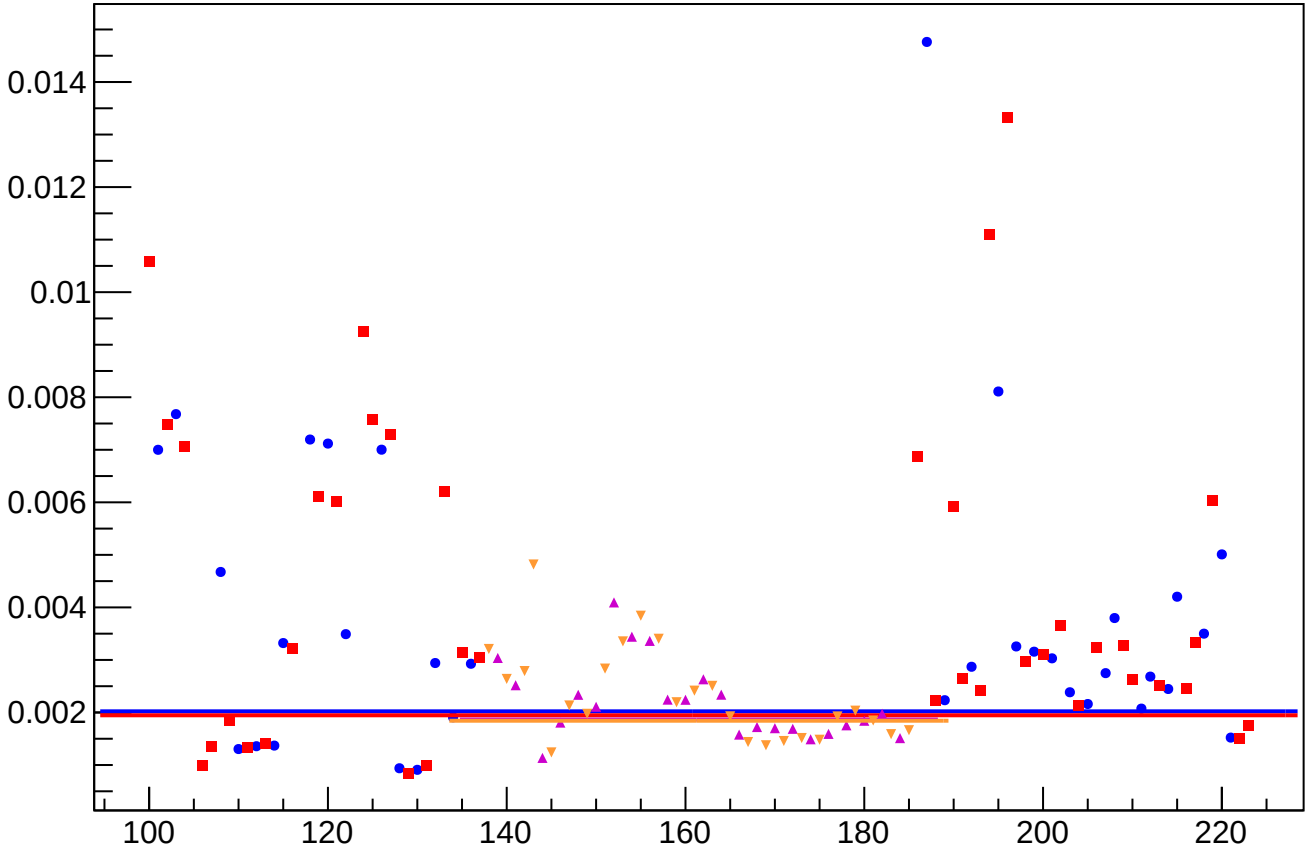
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 94.1/58

All: 0.000+/-0.000 χ^2/NDF: 185.4/120

- sign 0.000+/-0.000 χ^2/NDF: 90.4/61

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10078091.6/33

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12728108.5/38

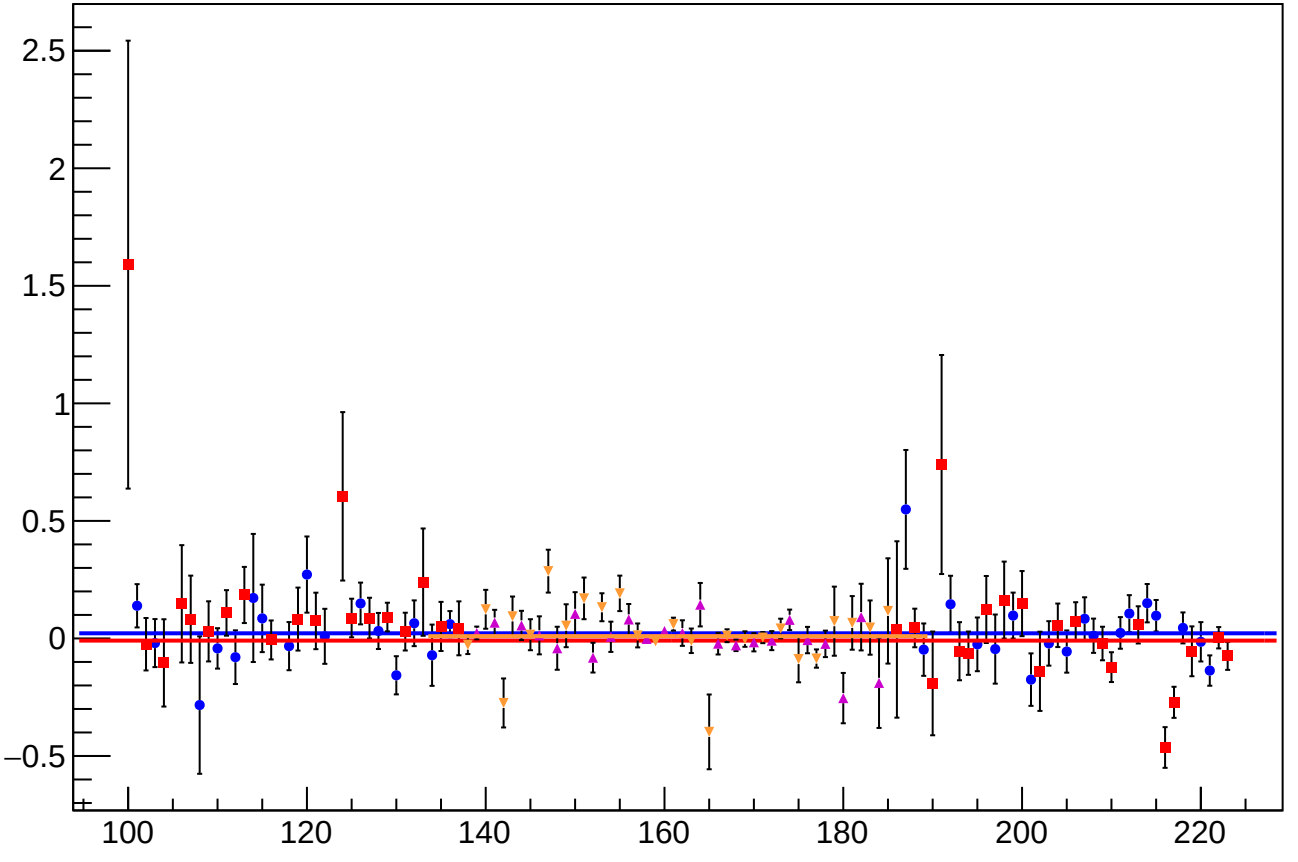
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 13996242.9/58

All: 0.002+/-0.000 χ^2/NDF: 29549286.8/120

- sign 0.002+/-0.000 χ^2/NDF: 15550801.9/61

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.016 χ^2/NDF: 38.0/33

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.009+/-0.015 χ^2/NDF: 77.4/38

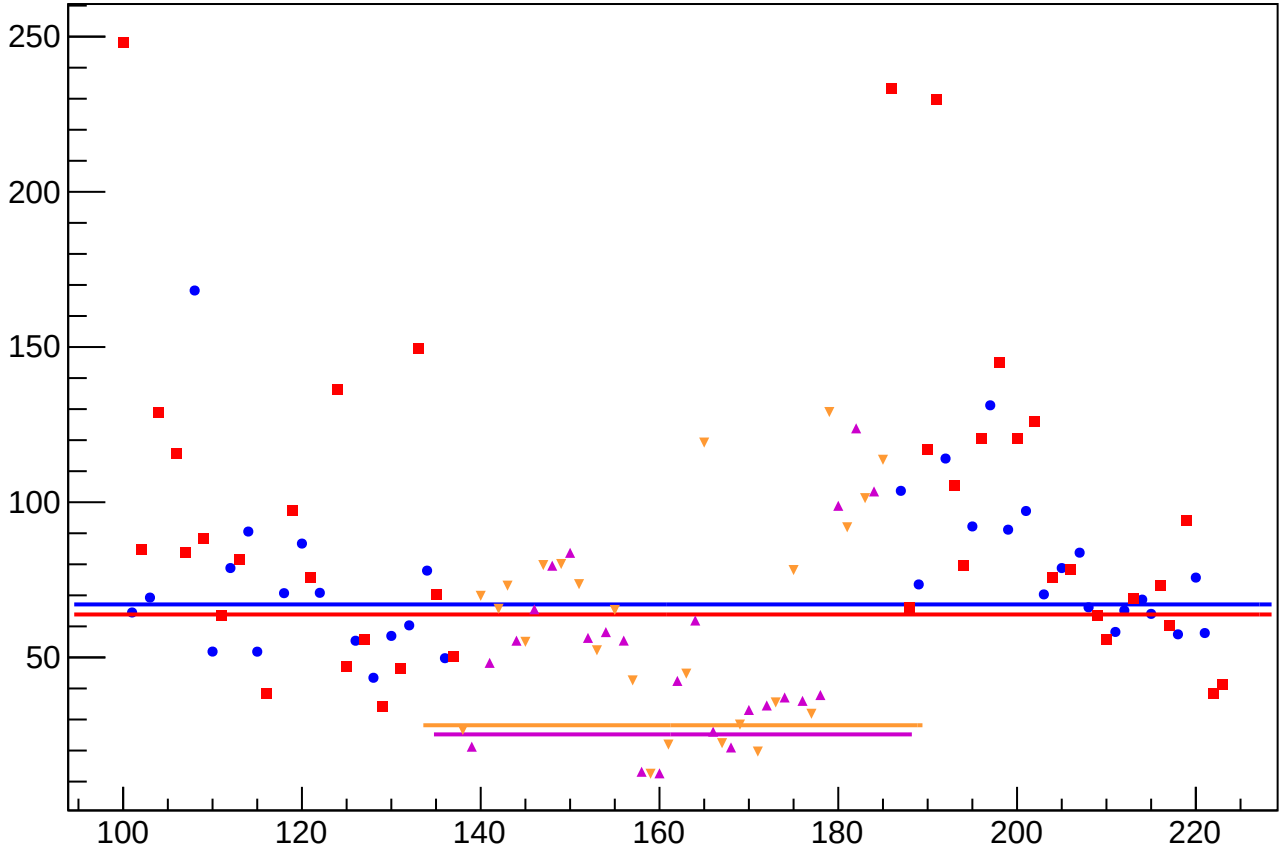
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 93.1/58

All: 0.009+/-0.005 χ^2/NDF: 197.3/120

- sign 0.006+/-0.007 χ^2/NDF: 103.7/61

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.077+/-0.011 χ^2/NDF: 2213426.5/33

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 63.840+/-0.011 χ^2/NDF: 5748347.3/38

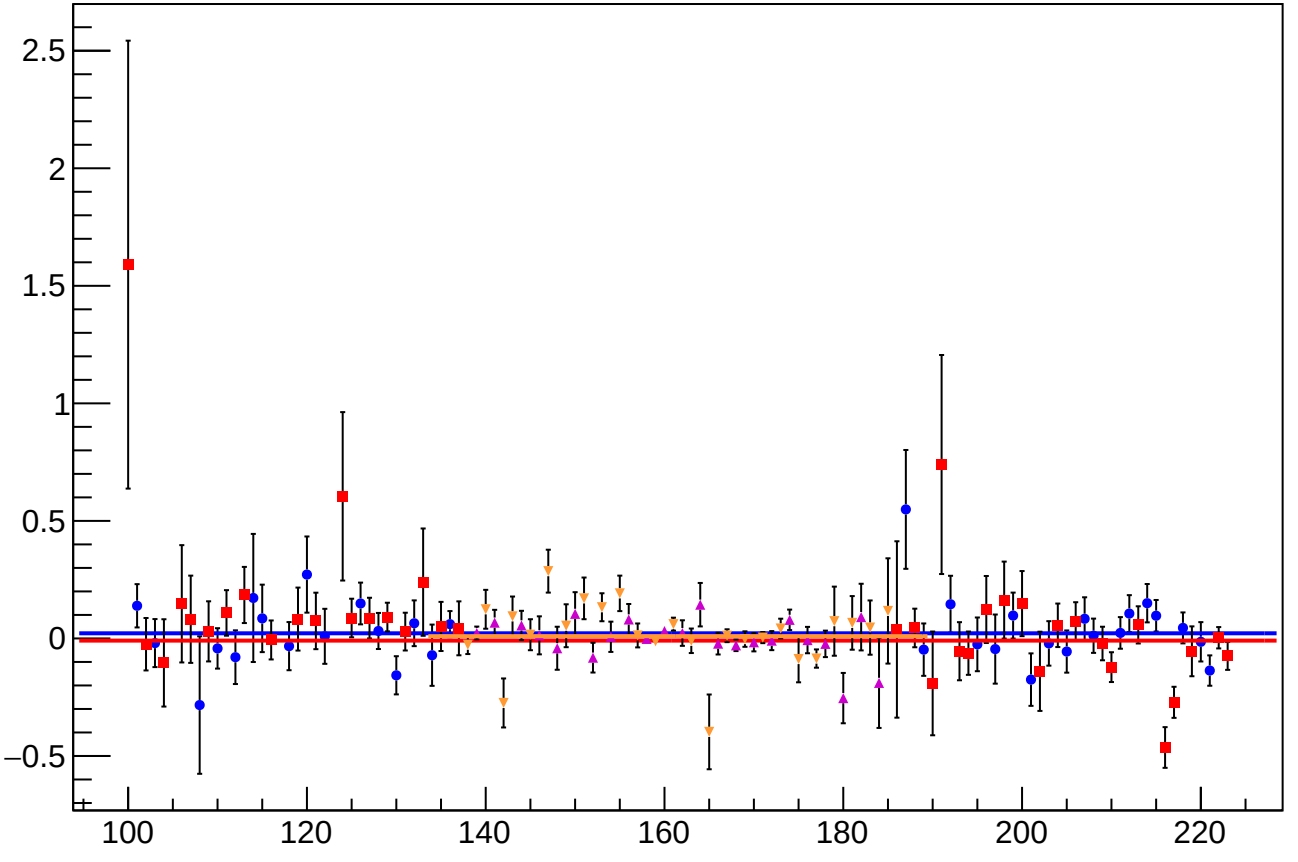
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 36.859+/-0.005 χ^2/NDF: 22764172.5/58

All: 34.963+/-0.004 χ^2/NDF: 48642305.5/120

- sign 33.266+/-0.005 χ^2/NDF: 25632778.4/61

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.016 χ^2/NDF: 38.0/33

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

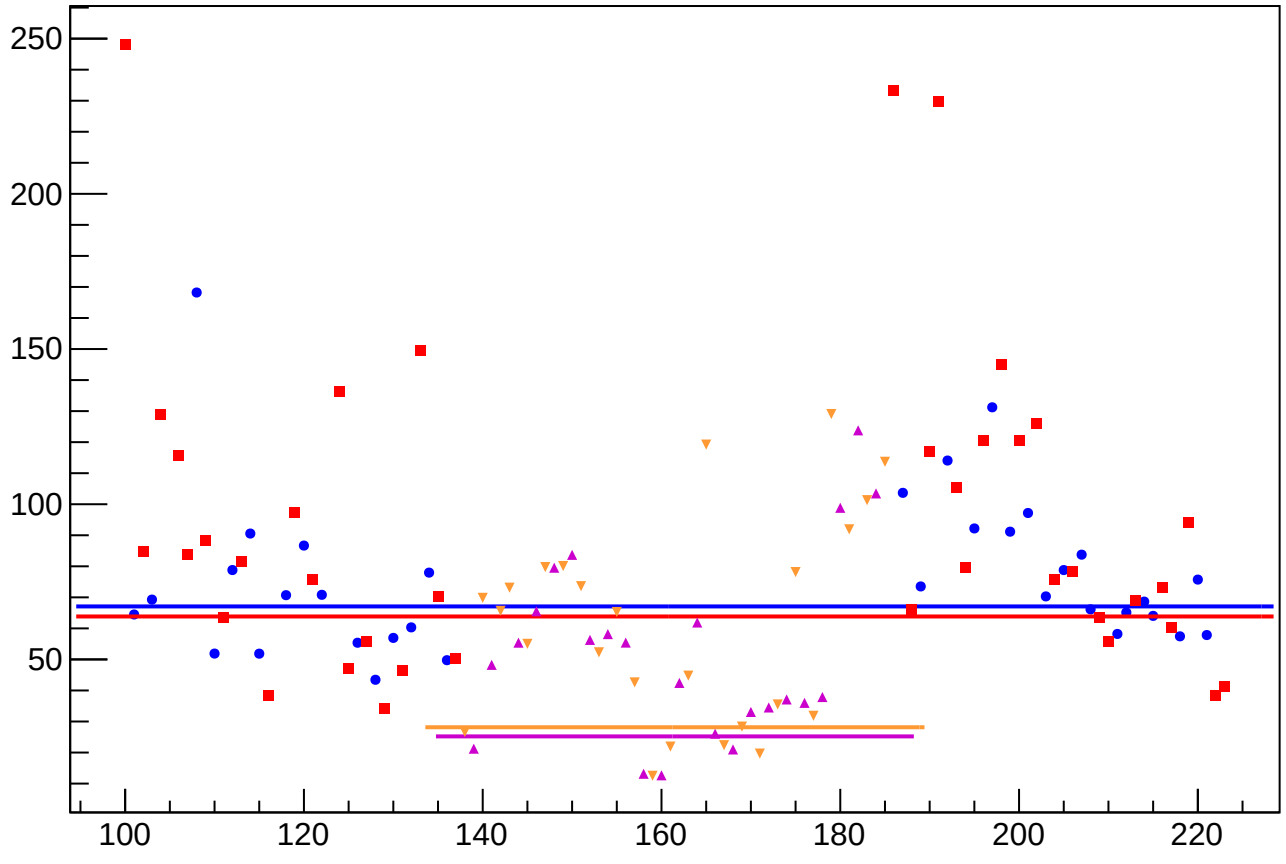
Right Out: -0.009+/-0.015 χ^2/NDF: 77.4/38

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 93.1/58

All: 0.009+/-0.005 χ^2/NDF: 197.3/120

- sign 0.006+/-0.007 χ^2/NDF: 103.7/61



Right In: 67.077+/-0.011 χ^2/NDF: 2213426.5/33

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

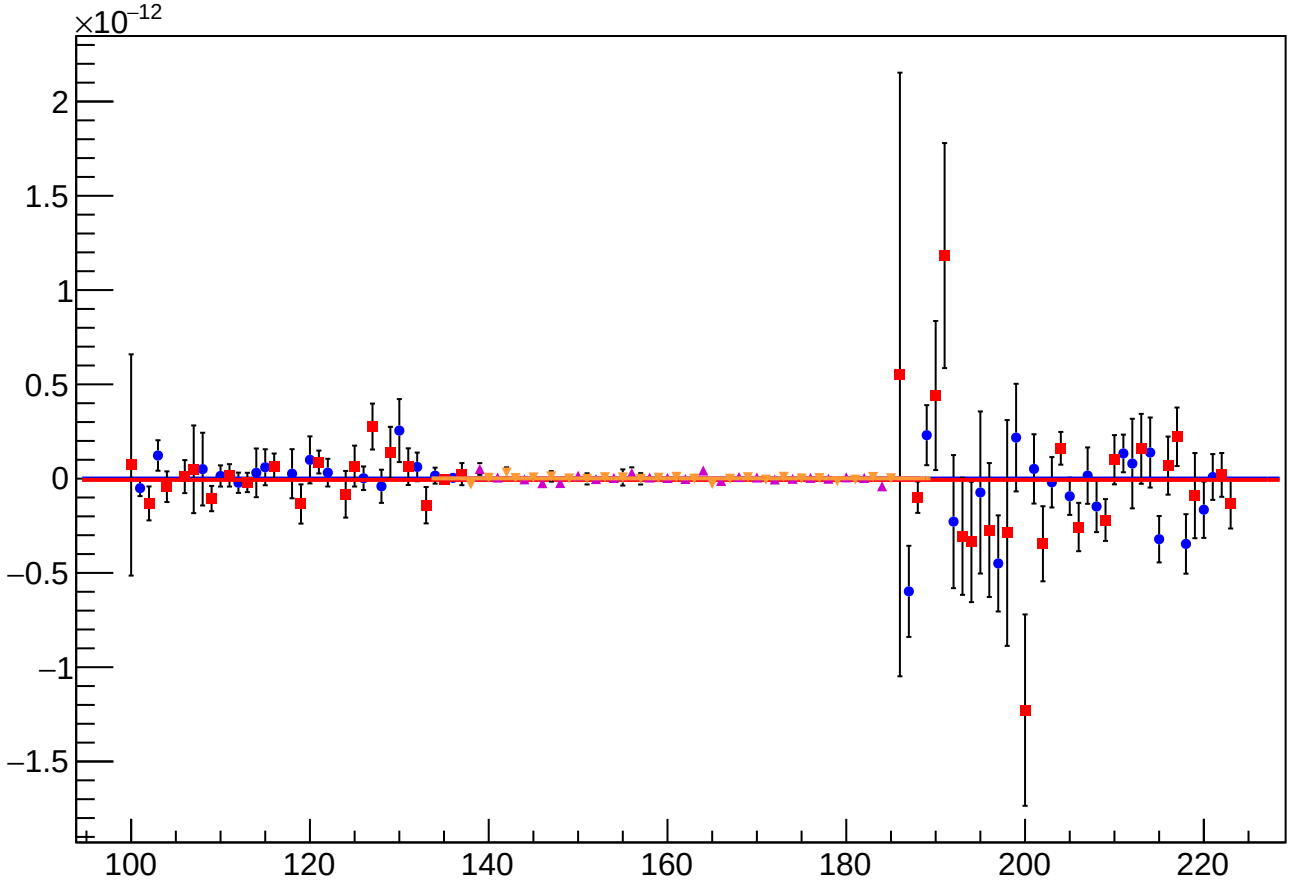
Right Out: 63.840+/-0.011 χ^2/NDF: 5748347.3/38

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 36.859+/-0.005 χ^2/NDF: 22764172.5/58

All: 34.963+/-0.004 χ^2/NDF: 48642305.5/120

- sign 33.266+/-0.005 χ^2/NDF: 25632778.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

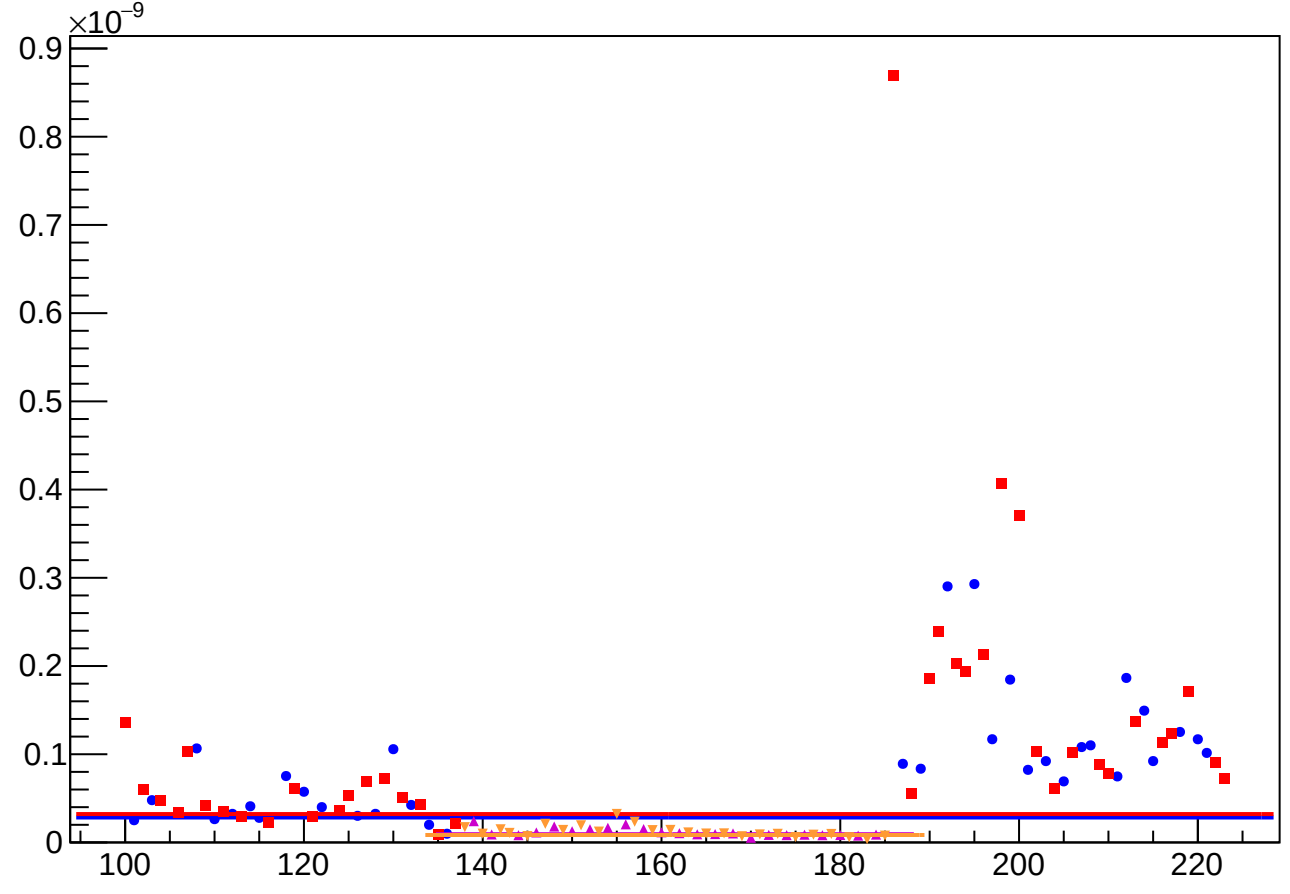
Right Out: -0.000+/-0.000 χ^2/NDF: 54.0/38

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/58

All: 0.000+/-0.000 χ^2/NDF: 125.2/120

- sign 0.000+/-0.000 χ^2/NDF: 75.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 14273077.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14166626.8/38

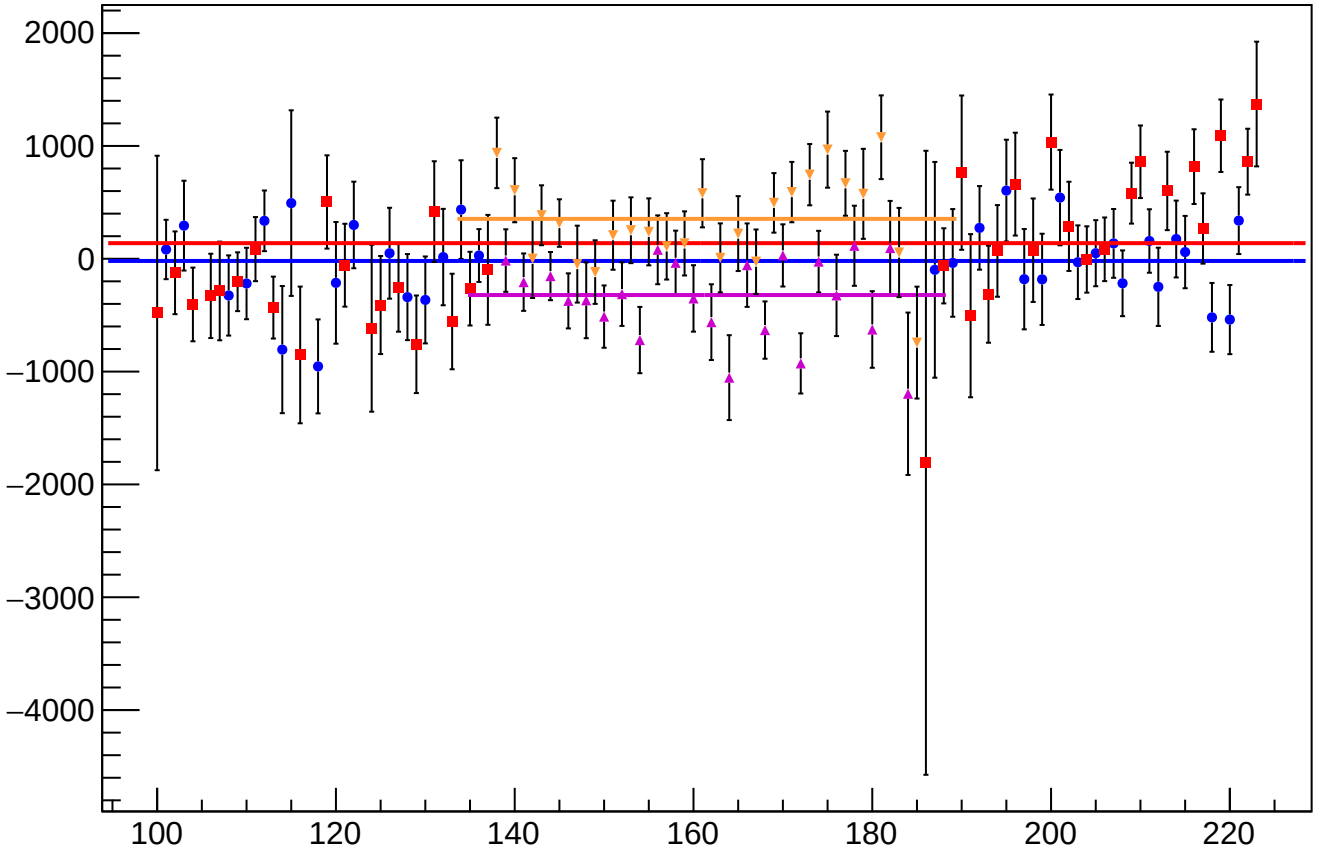
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 24216866.7/58

All: 0.000+/-0.000 χ^2/NDF: 46865745.8/120

- sign 0.000+/-0.000 χ^2/NDF: 22505794.8/61

reg_asym_sam4_mean vs Slug



Right In: -19.328+/-60.644 χ^2/NDF: 28.1/33

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 138.428+/-60.238 χ^2/NDF: 72.3/38

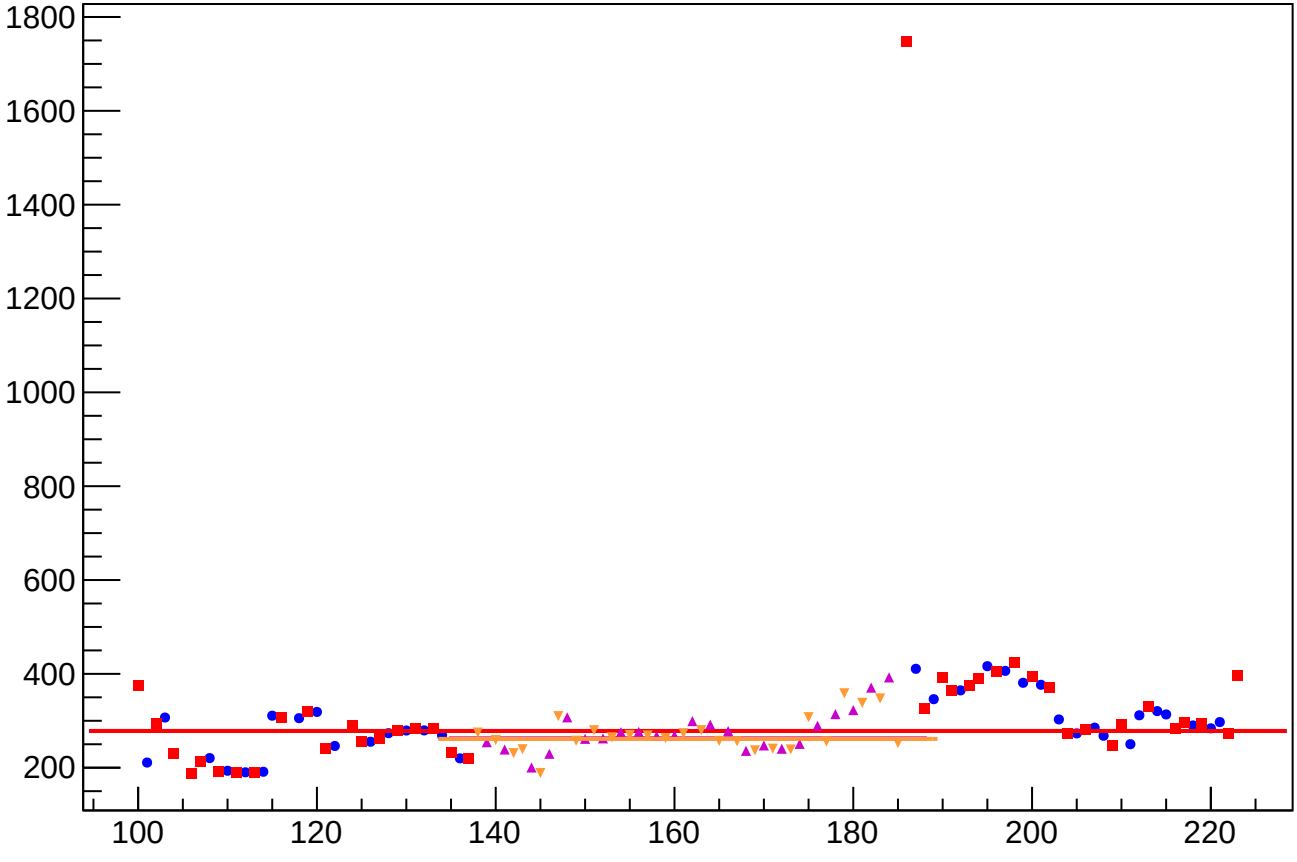
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 168.673+/-42.706 χ^2/NDF: 79.5/58

All: 43.670+/-30.385 χ^2/NDF: 223.6/120

- sign -84.495+/-43.243 χ^2/NDF: 126.7/61

reg_asym_sam4_rms vs Slug



Right In: 278.324+/-0.043 χ^2/NDF: 1668221.0/33

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 278.289+/-0.043 χ^2/NDF: 2707848.4/38

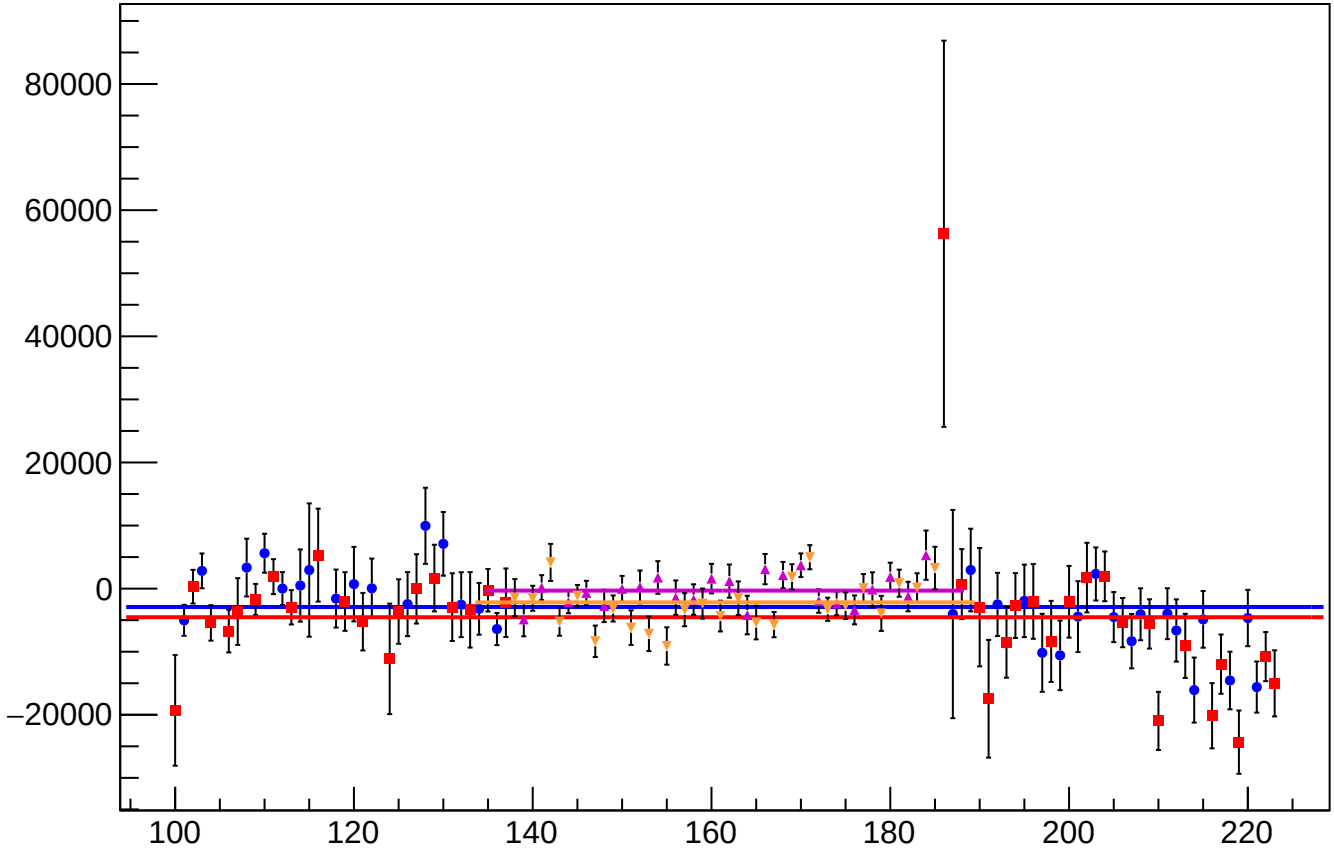
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 269.828+/-0.030 χ^2/NDF: 2461561.8/58

All: 270.255+/-0.021 χ^2/NDF: 5906084.1/120

- sign 270.693+/-0.031 χ^2/NDF: 3444117.1/61

asym_sam4_reg_correction_mean vs Slug



Right In: -2913.642+/-728.675 χ^2/NDF: 59.1/33

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -4533.089+/-707.202 χ^2/NDF: 80.0/38

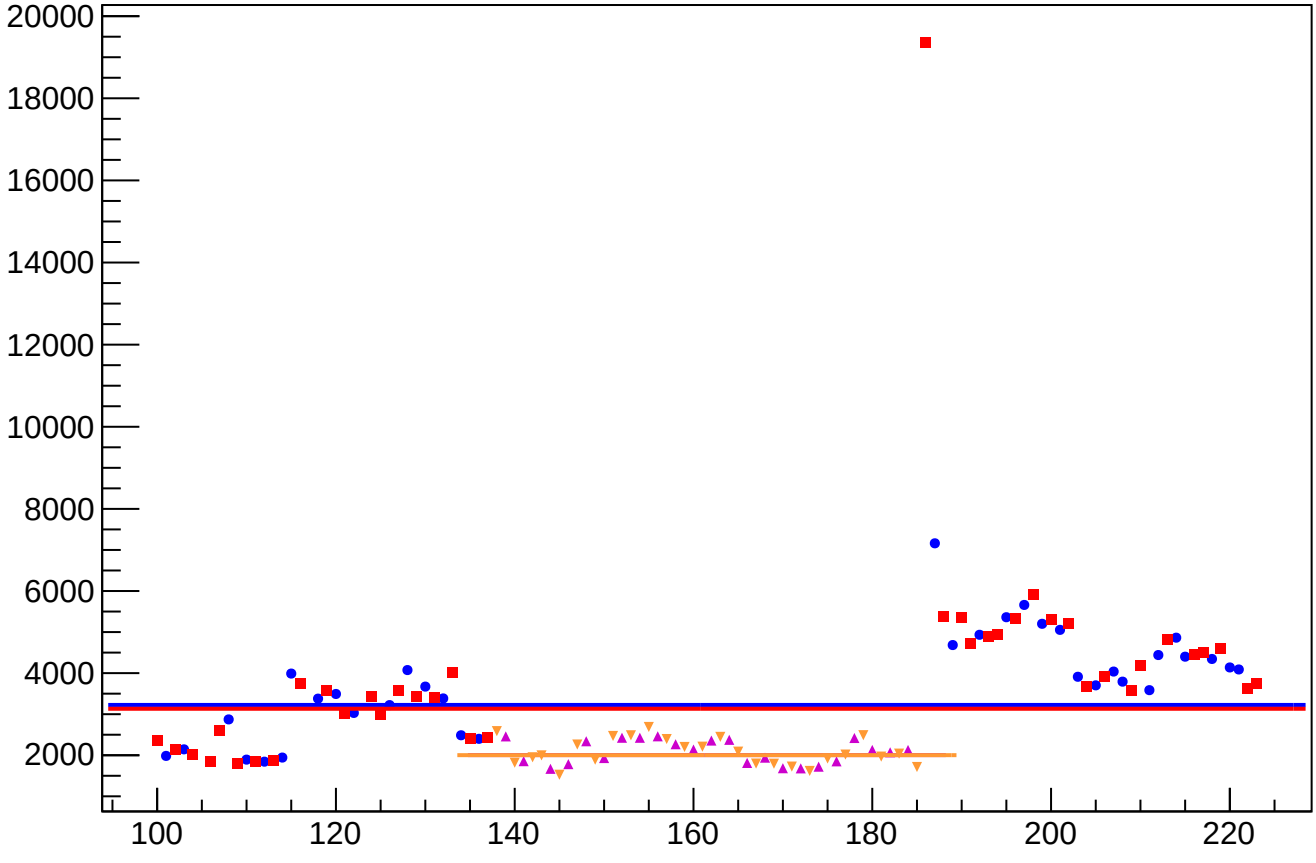
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -2384.305+/-389.972 χ^2/NDF: 115.4/58

All: -2006.852+/-277.092 χ^2/NDF: 245.4/120

- sign -1621.974+/-393.789 χ^2/NDF: 128.2/61

asym_sam4_reg_correction_rms vs Slug



Right In: 3225.333+/-0.515 χ^2/NDF: 4678506.1/33

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 3132.199+/-0.500 χ^2/NDF: 6330514.9/38

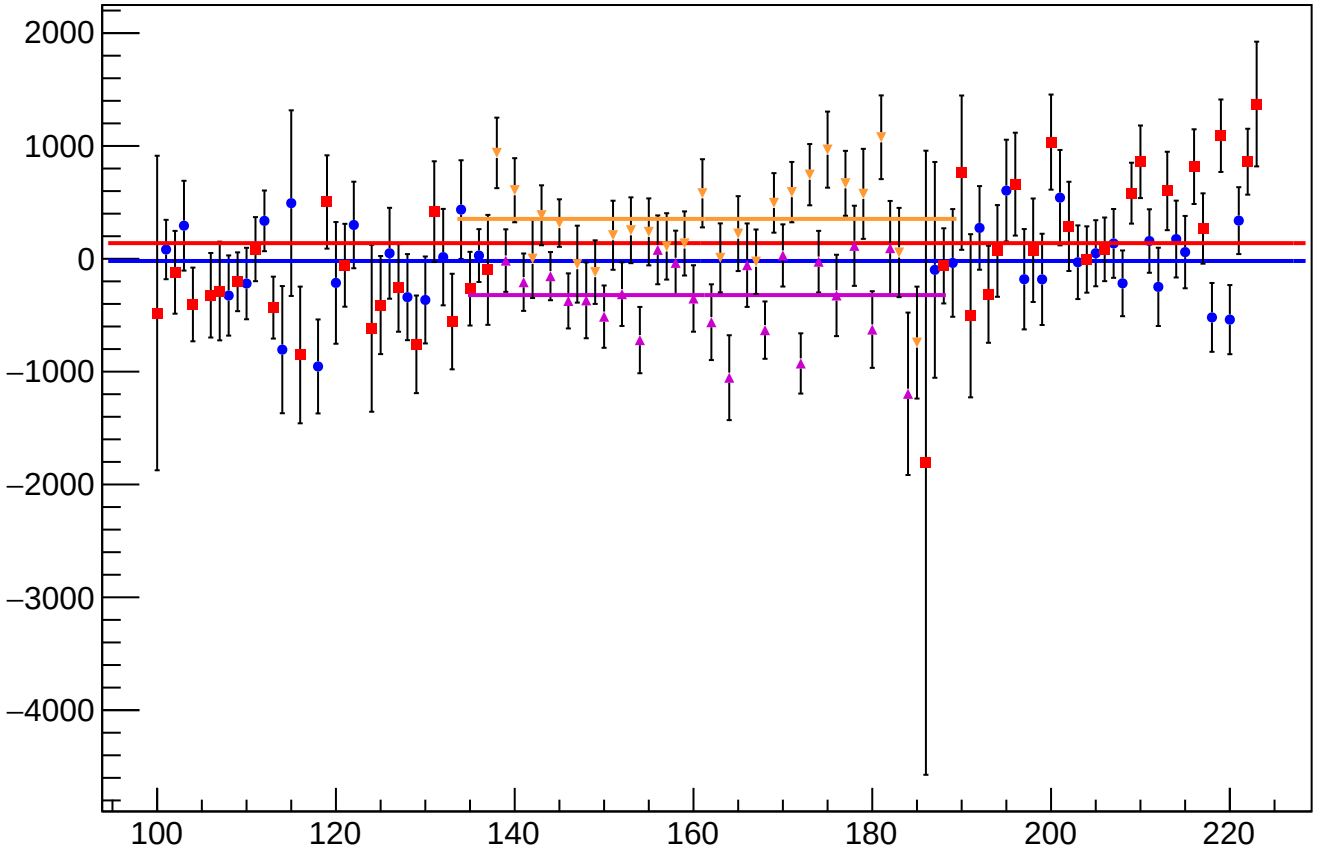
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2352.547+/-0.276 χ^2/NDF: 9592203.5/58

All: 2353.253+/-0.196 χ^2/NDF: 20137917.6/1

- sign 2353.973+/-0.278 χ^2/NDF: 10545700.9/61

cor_asym_sam4_mean vs Slug



Right In: -19.338+/-60.644 χ^2/NDF: 28.1/33

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 138.772+/-60.243 χ^2/NDF: 72.2/38

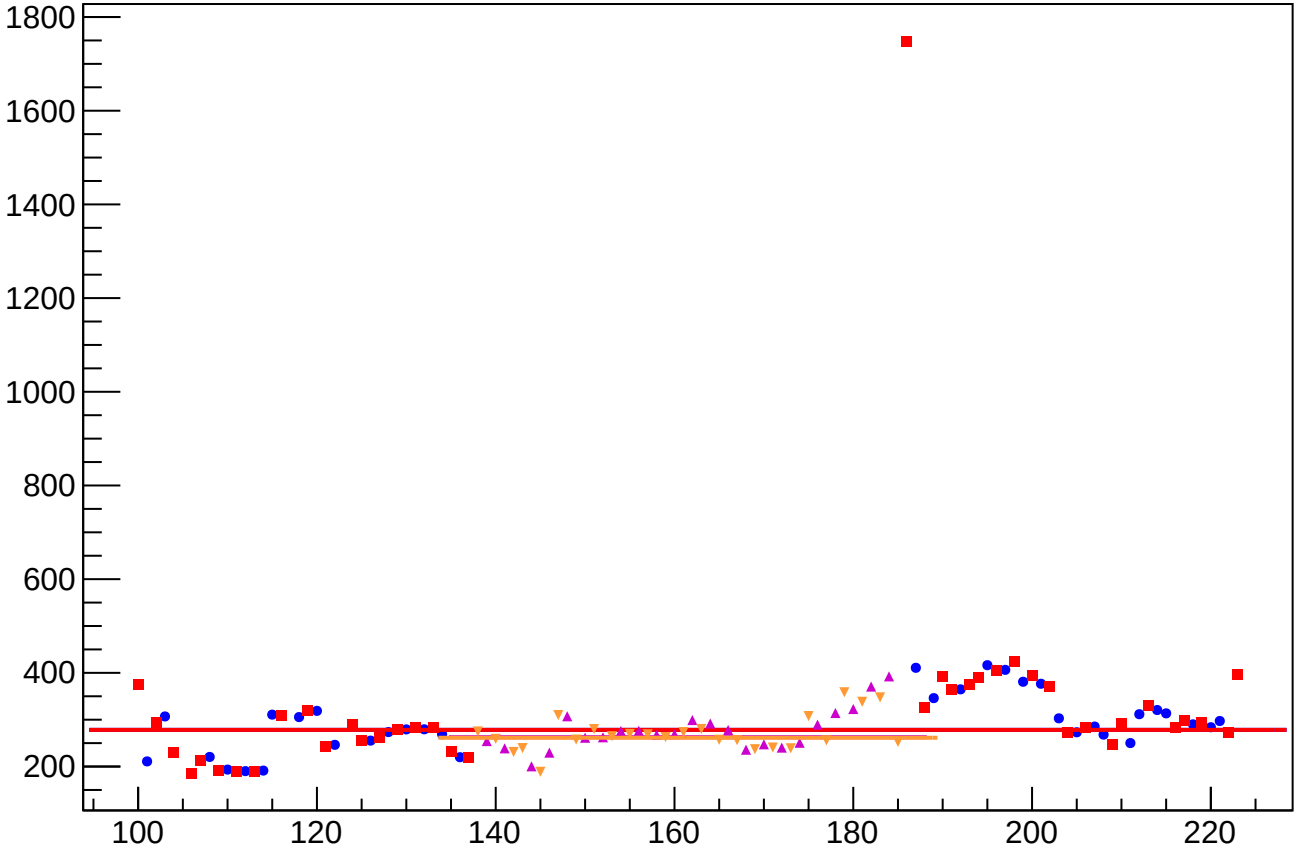
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 168.679+/-42.706 χ^2/NDF: 79.5/58

All: 43.757+/-30.386 χ^2/NDF: 223.6/120

- sign -84.337+/-43.244 χ^2/NDF: 126.7/61

cor_asym_sam4_rms vs Slug



Right In: 278.324+/-0.043 χ^2/NDF: 1668222.2/33

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 278.238+/-0.043 χ^2/NDF: 2713956.9/38

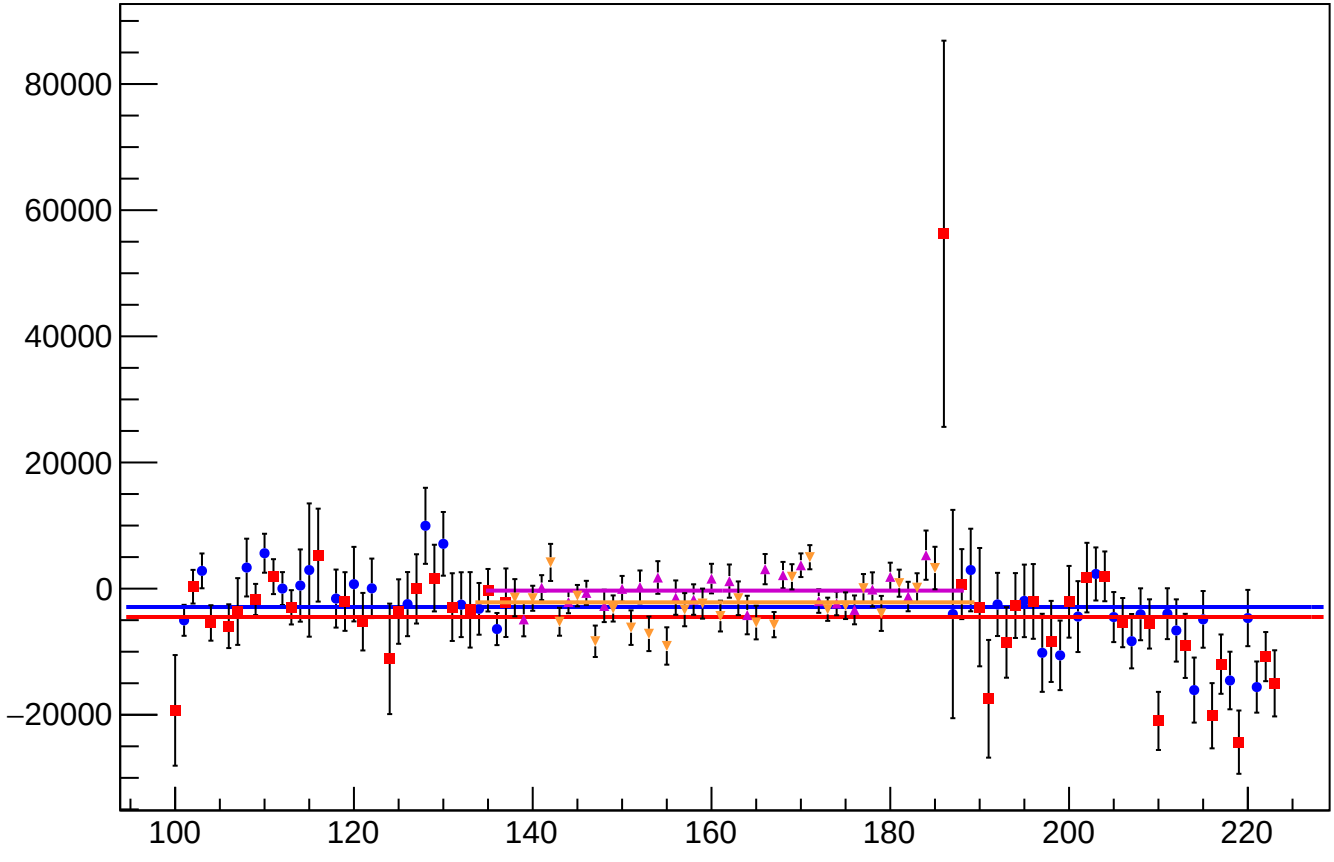
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 269.828+/-0.030 χ^2/NDF: 2461563.3/58

All: 270.242+/-0.021 χ^2/NDF: 5911740.5/120

- sign 270.666+/-0.031 χ^2/NDF: 3449796.6/61

asym_sam4_cor_correction_mean vs Slug



Right In: -2913.764+/-728.679 χ^2/NDF: 59.1/33

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -4496.602+/-708.038 χ^2/NDF: 79.7/38

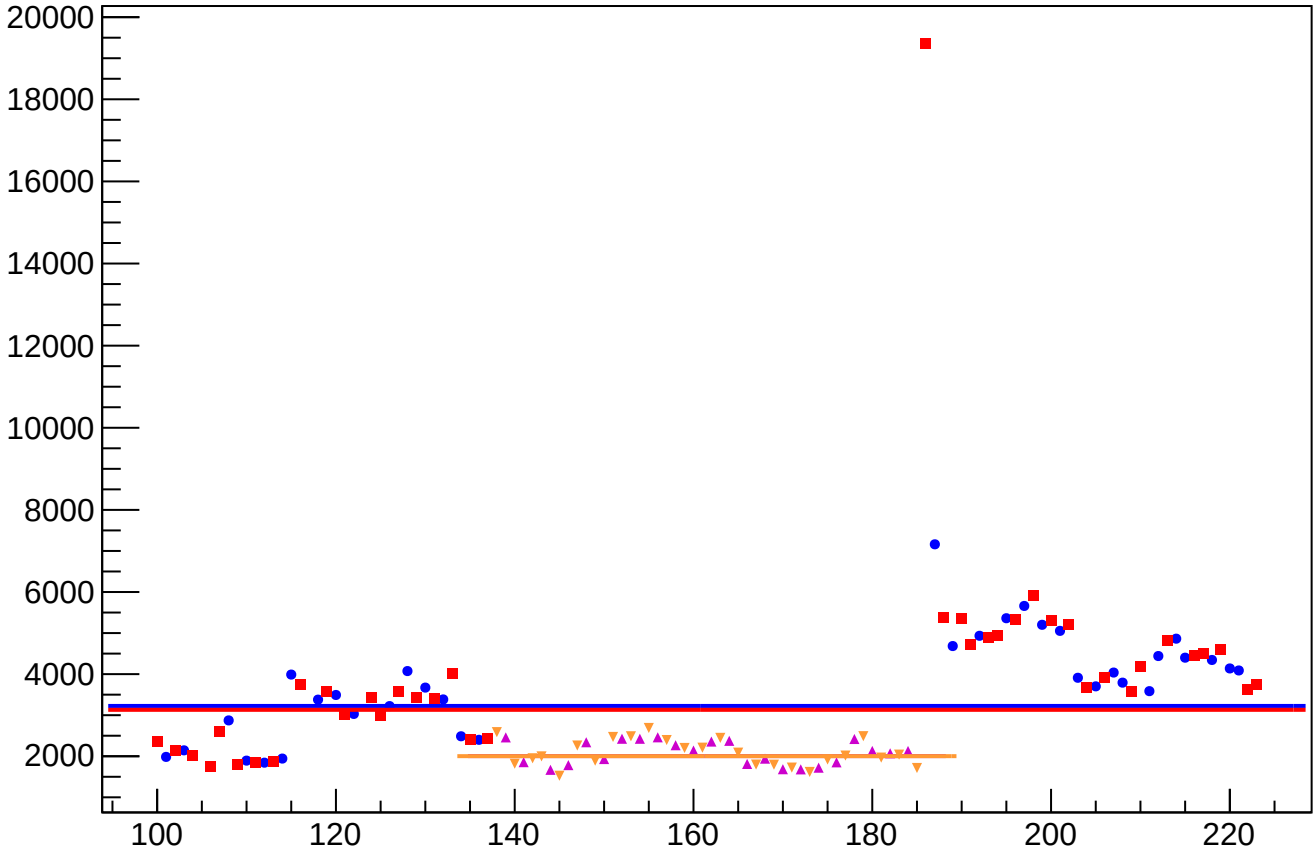
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2384.317+/-389.973 χ^2/NDF: 115.3/58

All: -2000.354+/-277.142 χ^2/NDF: 244.8/120

- sign -1608.553+/-393.933 χ^2/NDF: 127.5/61

asym_sam4_cor_correction_rms vs Slug



Right In: 3225.356+/-0.515 χ^2/NDF: 4678369.8/33

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3130.623+/-0.501 χ^2/NDF: 6364196.1/38

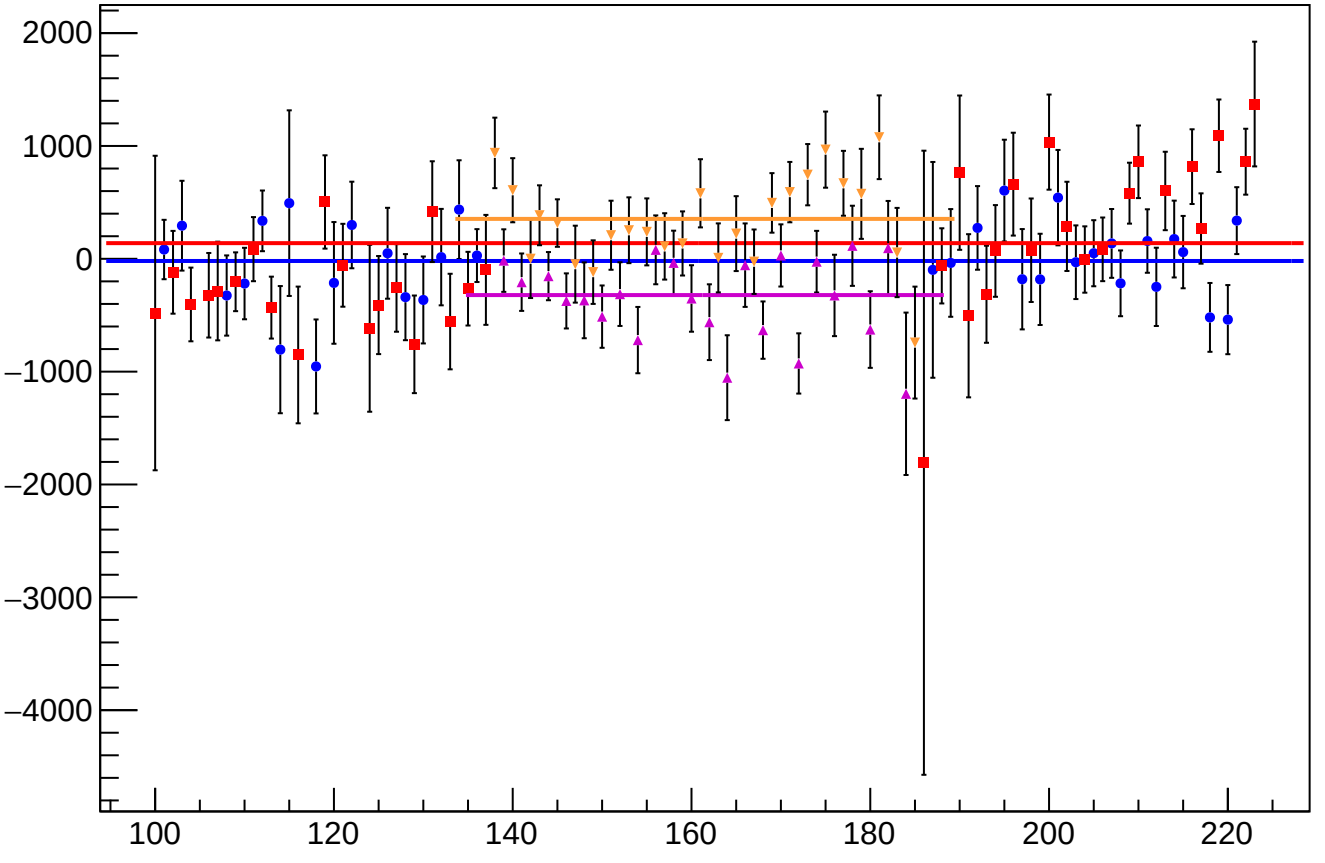
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2352.551+/-0.276 χ^2/NDF: 9592185.6/58

All: 2352.732+/-0.196 χ^2/NDF: 20156059.6/1

- sign 2352.916+/-0.279 χ^2/NDF: 10563873.2/61

eigen_cor_asym_sam4_mean vs Slug



Right In: -19.338+/-60.644 χ^2/NDF: 28.1/33

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 138.772+/-60.243 χ^2/NDF: 72.2/38

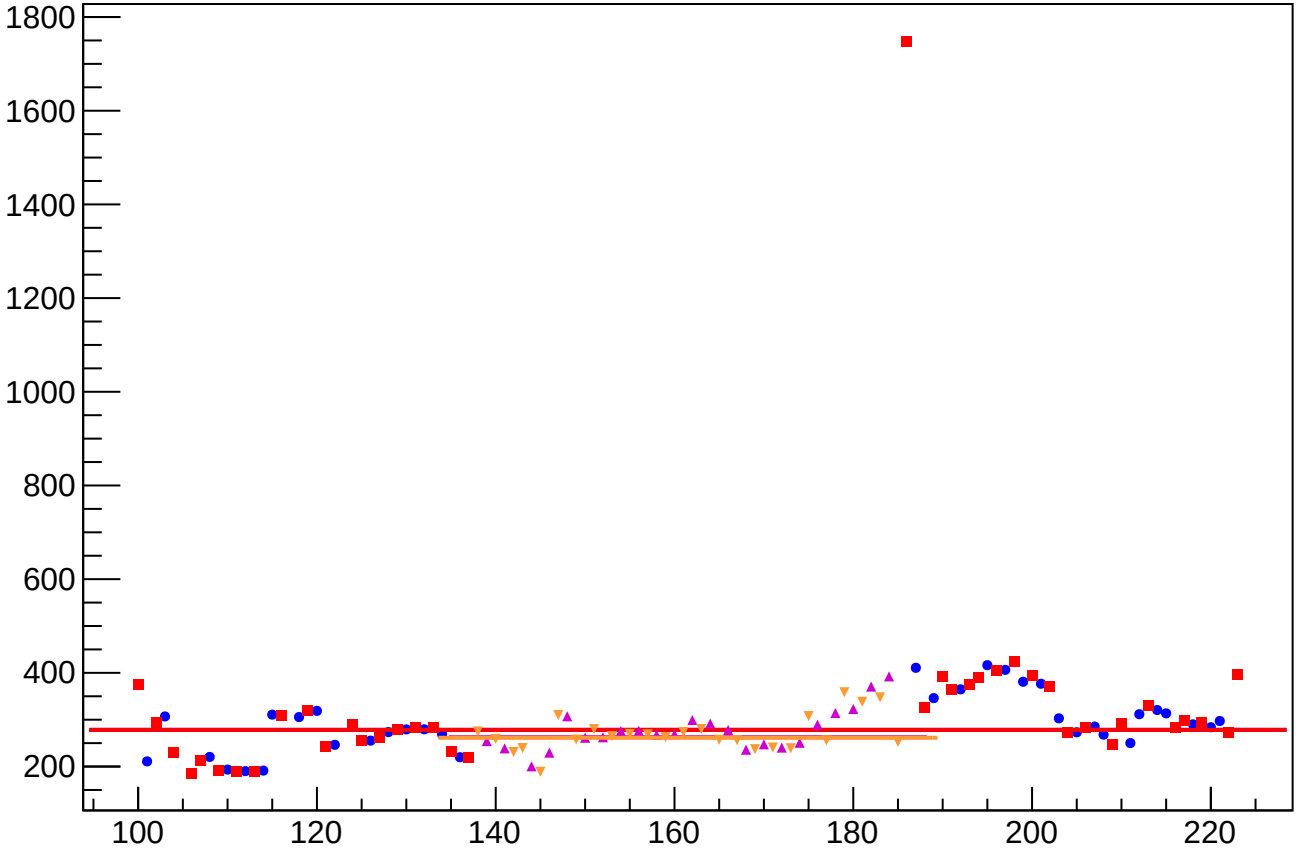
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 168.679+/-42.706 χ^2/NDF: 79.5/58

All: 43.757+/-30.386 χ^2/NDF: 223.6/120

- sign -84.337+/-43.244 χ^2/NDF: 126.7/61

eigen_cor_asym_sam4_rms vs Slug



Right In: 278.324+/-0.043 χ^2/NDF: 1668222.2/33

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 278.238+/-0.043 χ^2/NDF: 2713956.9/38

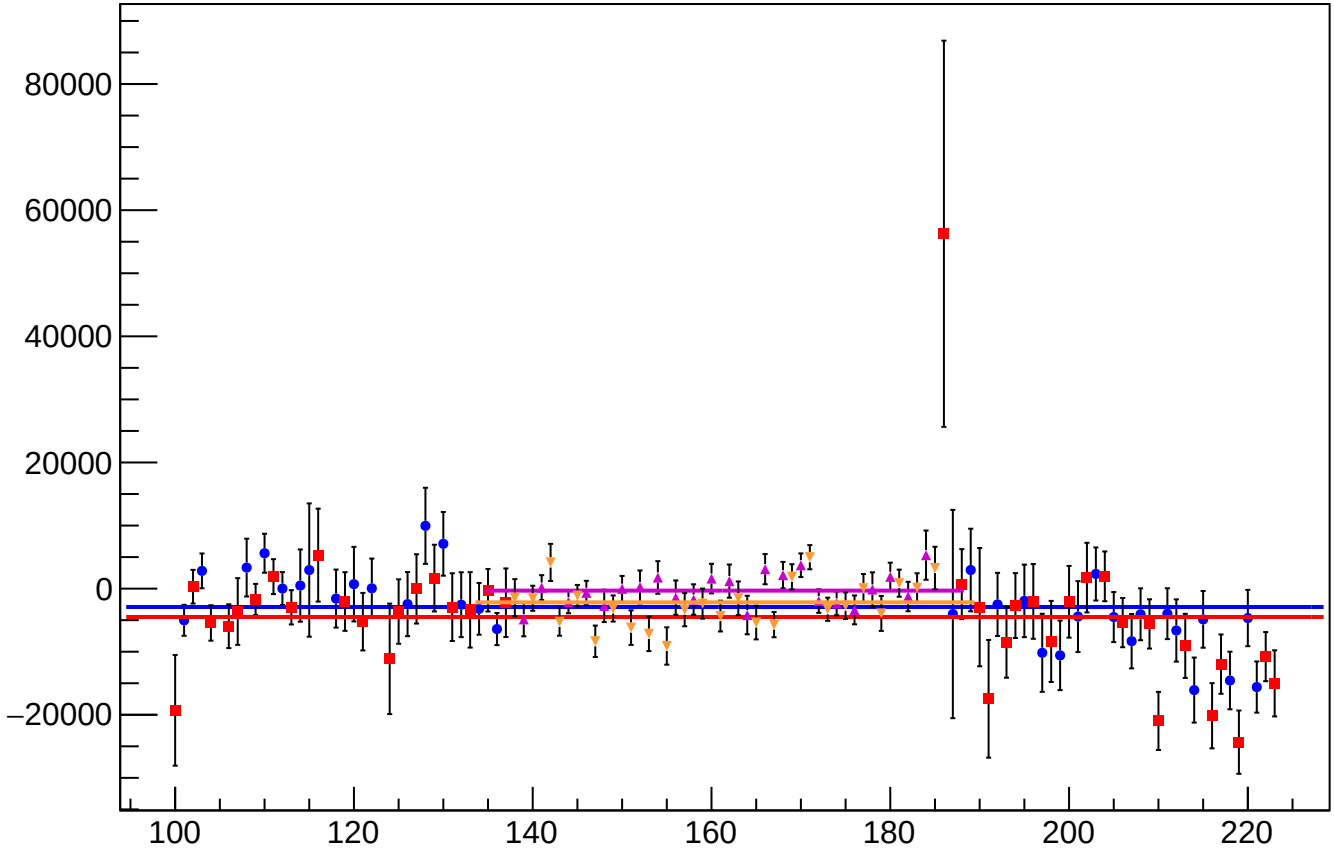
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 269.828+/-0.030 χ^2/NDF: 2461563.3/58

All: 270.242+/-0.021 χ^2/NDF: 5911740.5/120

- sign 270.666+/-0.031 χ^2/NDF: 3449796.6/61

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -2913.764+/-728.679 χ^2/NDF: 59.1/33

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -4496.602+/-708.038 χ^2/NDF: 79.7/38

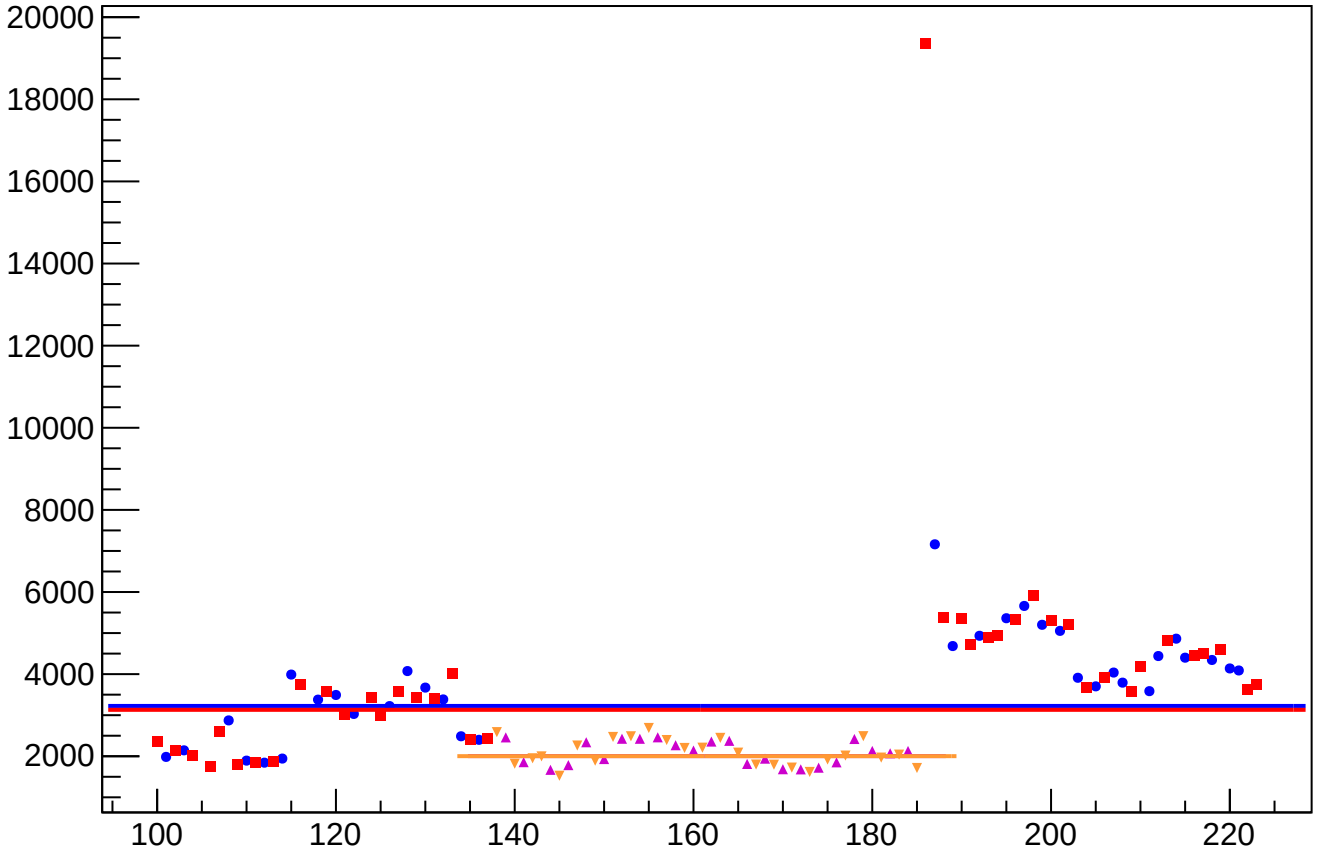
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2384.317+/-389.973 χ^2/NDF: 115.3/58

All: -2000.354+/-277.142 χ^2/NDF: 244.8/120

- sign -1608.553+/-393.933 χ^2/NDF: 127.5/61

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3225.356+/-0.515 χ^2/NDF: 4678369.8/33

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3130.623+/-0.501 χ^2/NDF: 6364196.1/38

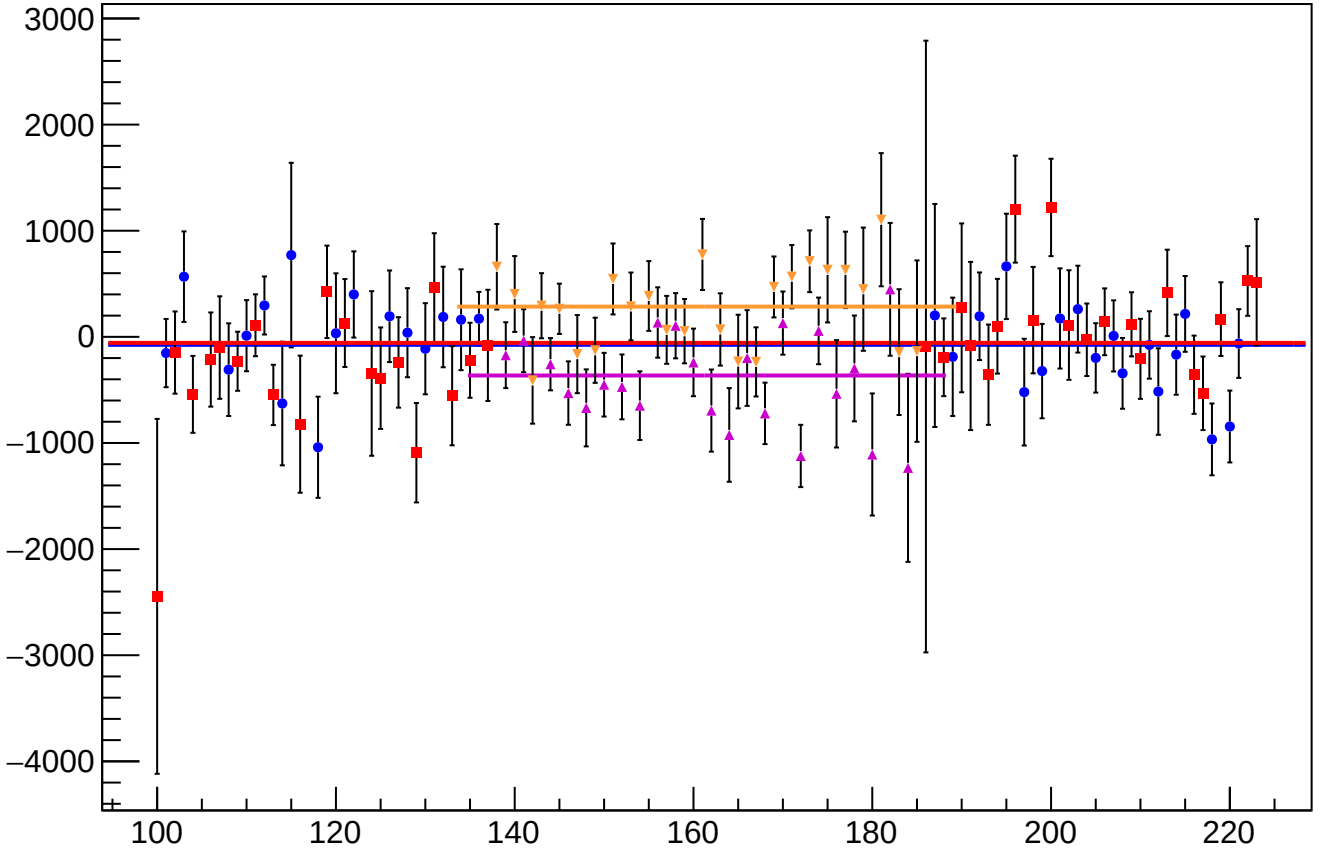
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2352.551+/-0.276 χ^2/NDF: 9592185.6/58

All: 2352.732+/-0.196 χ^2/NDF: 20156059.6/1

- sign 2352.916+/-0.279 χ^2/NDF: 10563873.2/61

dit_asym_sam4_mean vs Slug



Right In: -74.991+/-67.398 χ^2/NDF: 33.5/33

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -56.869+/-66.507 χ^2/NDF: 43.0/38

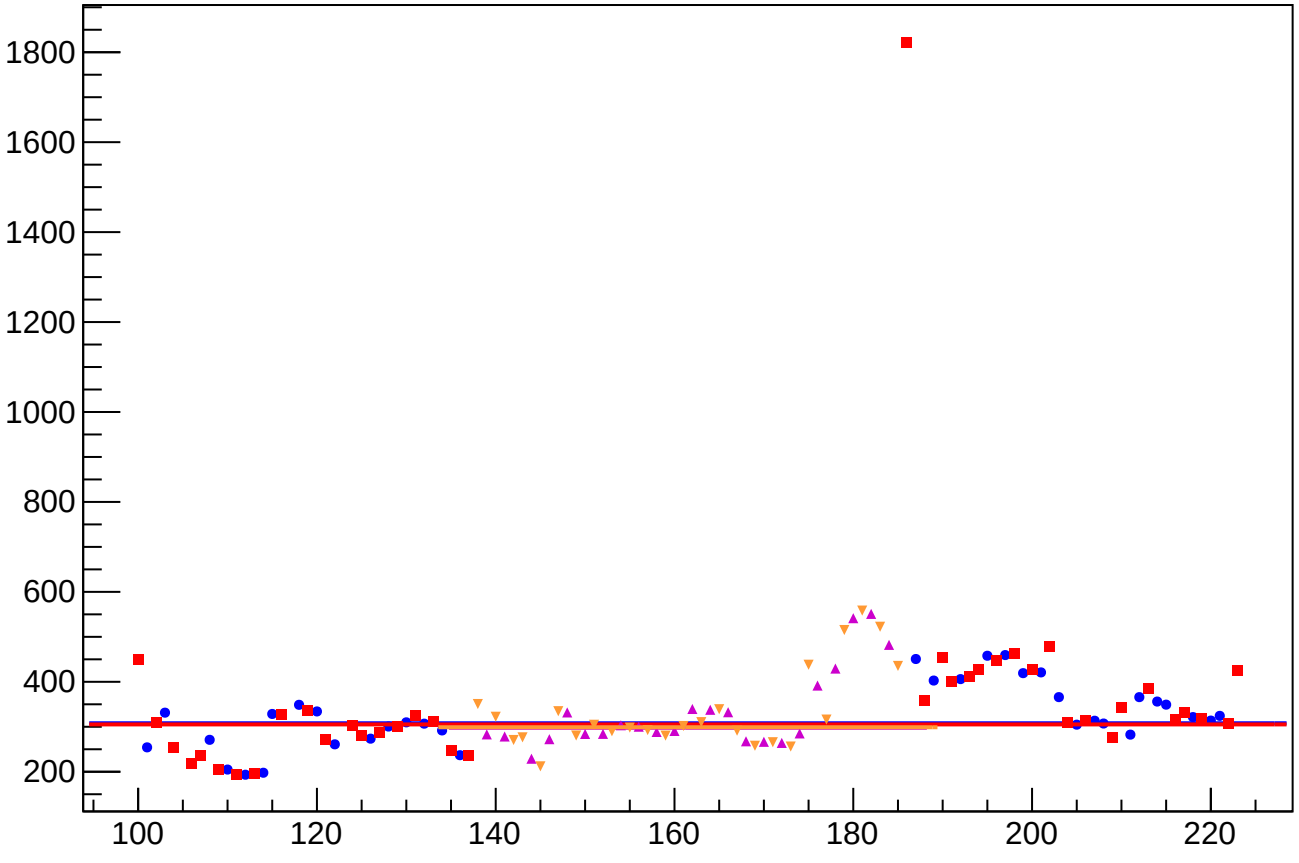
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

\+ sign 98.056+/-48.564 χ^2/NDF: 70.0/58

All: -49.838+/-34.410 χ^2/NDF: 169.7/120

\- sign -198.956+/-48.764 χ^2/NDF: 81.1/61

dit_asym_sam4_rms vs Slug



Right In: 307.817+/-0.048 χ^2/NDF: 1882542.6/33

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 305.238+/-0.047 χ^2/NDF: 3038686.8/38

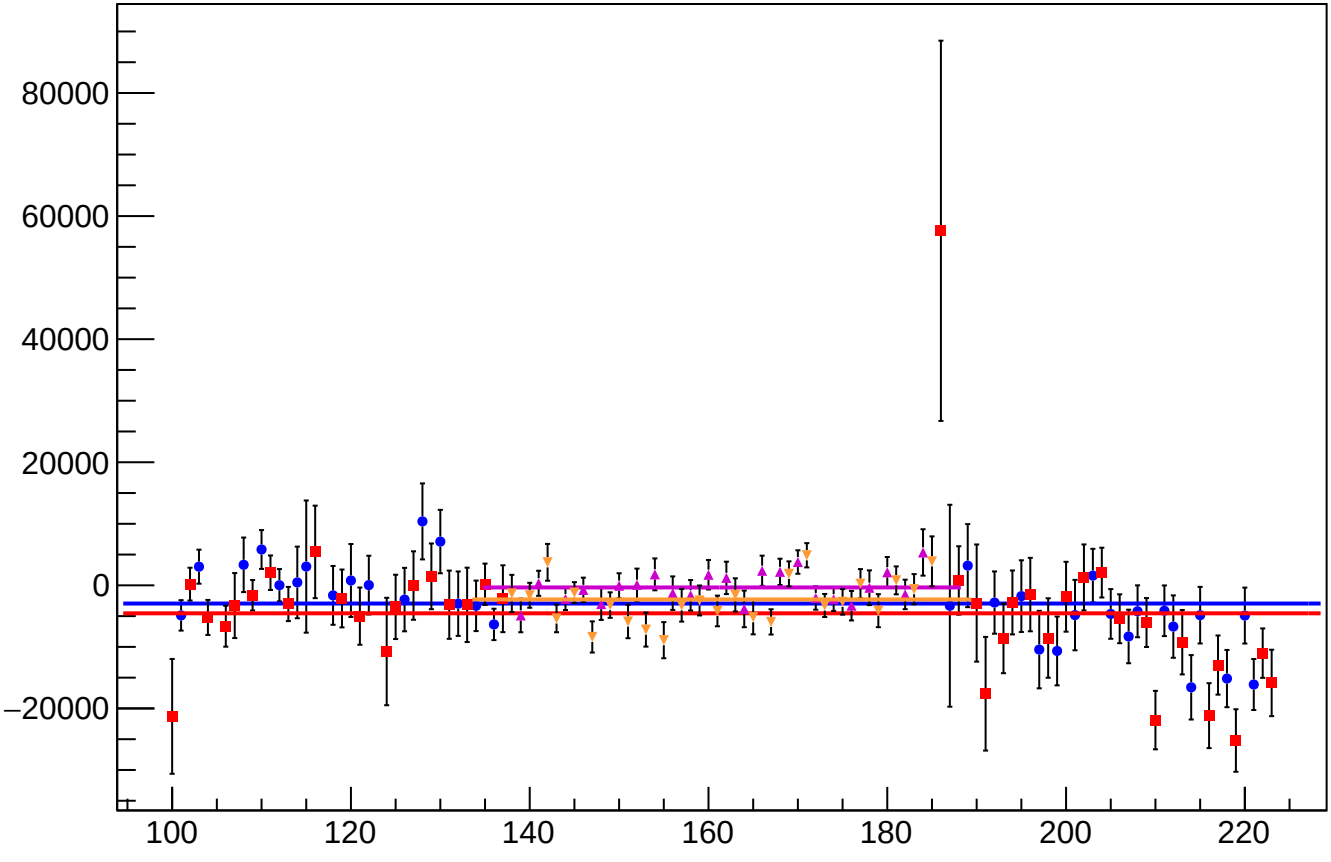
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 303.548+/-0.034 χ^2/NDF: 3512309.1/58

All: 302.696+/-0.024 χ^2/NDF: 7882594.8/120

- sign 301.838+/-0.034 χ^2/NDF: 4369051.4/61

asym_sam4_dit_correction_mean vs Slug



Right In: -2955.850+/-738.036 χ^2/NDF: 60.0/33

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -4545.553+/-714.817 χ^2/NDF: 84.2/38

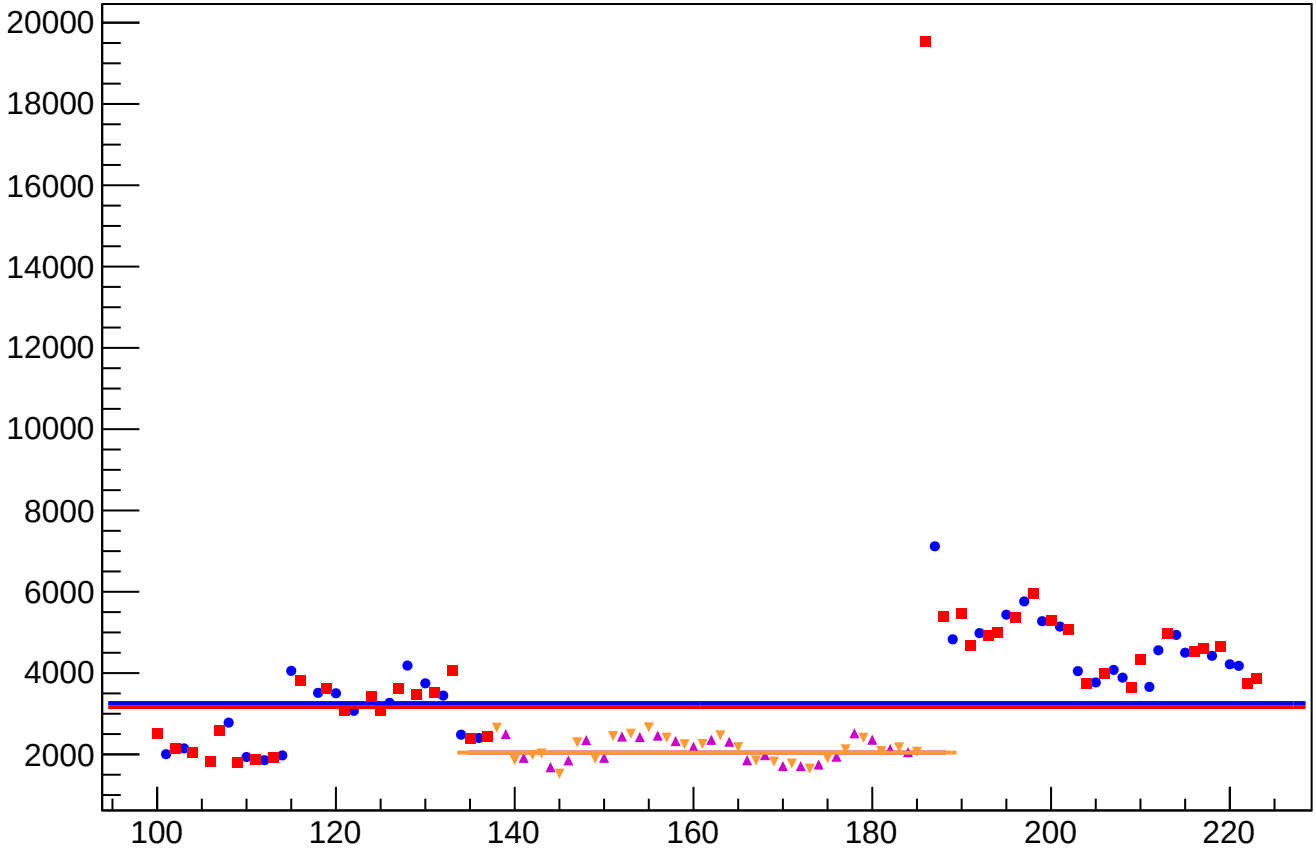
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2483.126+/-396.748 χ^2/NDF: 112.3/58

All: -2076.627+/-281.877 χ^2/NDF: 245.1/120

- sign -1662.304+/-400.548 χ^2/NDF: 130.7/61

asym_sam4_dit_correction_rms vs Slug



Right In: 3262.103+/-0.522 χ^2/NDF: 4818828.8/33

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3163.634+/-0.505 χ^2/NDF: 6403185.1/38

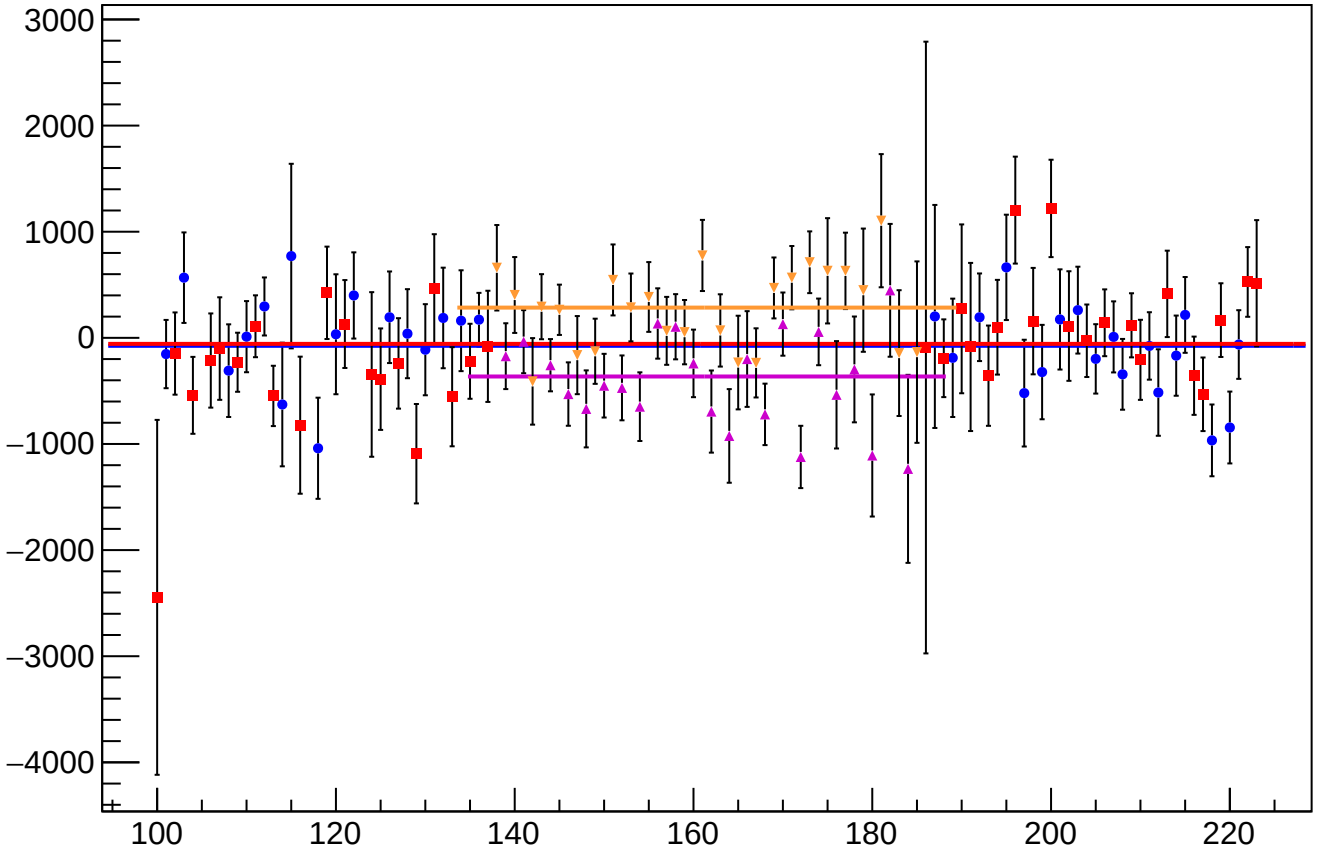
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2395.833+/-0.281 χ^2/NDF: 9547504.9/58

All: 2396.097+/-0.199 χ^2/NDF: 19999879.5/1

- sign 2396.365+/-0.283 χ^2/NDF: 10452372.8/61

eigen_dit_asym_sam4_mean vs Slug



Right In: -74.983+/-67.398 χ^2/NDF: 33.5/33

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -56.862+/-66.507 χ^2/NDF: 43.0/38

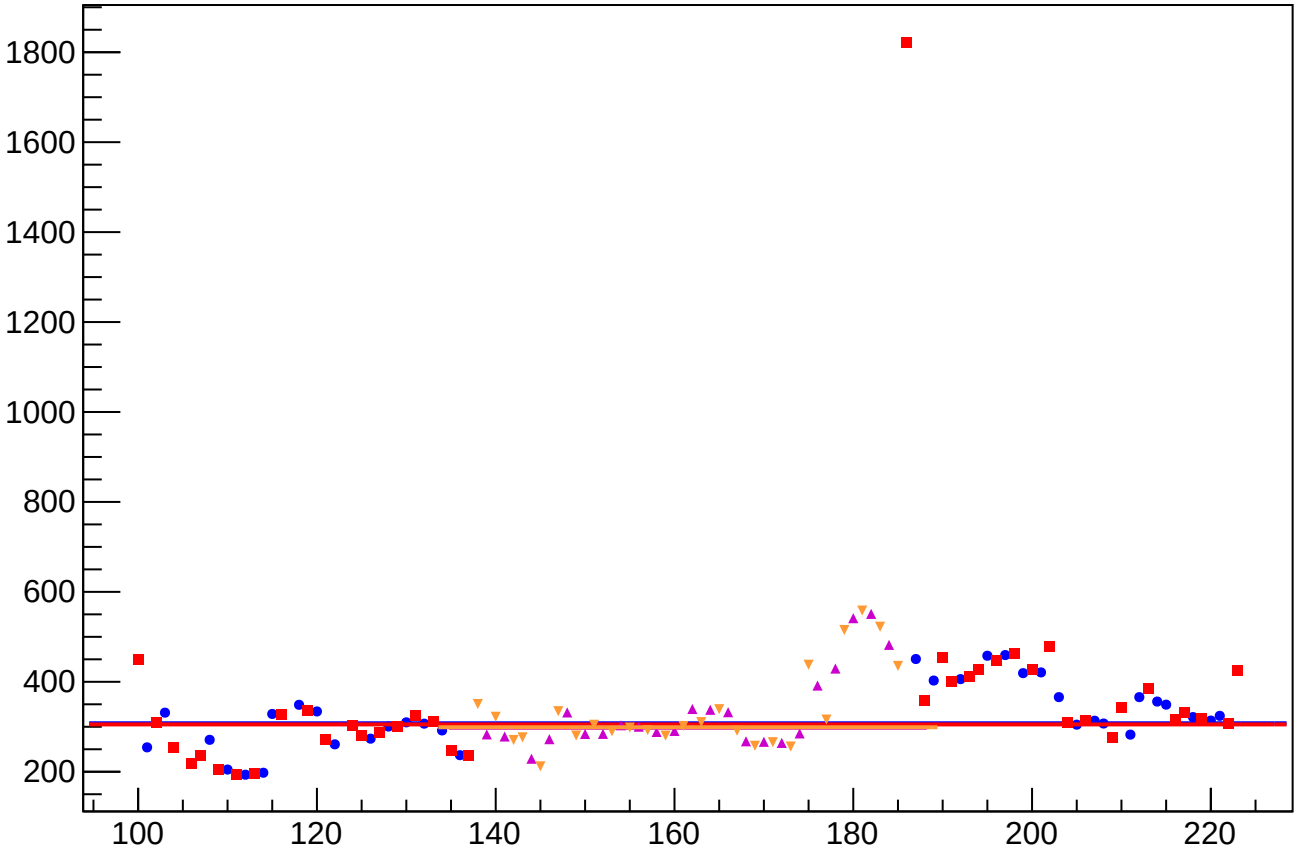
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 98.061+/-48.564 χ^2/NDF: 70.0/58

All: -49.833+/-34.410 χ^2/NDF: 169.7/120

- sign -198.953+/-48.764 χ^2/NDF: 81.1/61

eigen_dit_asym_sam4_rms vs Slug



Right In: 307.817+/-0.048 χ^2/NDF: 1882520.8/33

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 305.238+/-0.047 χ^2/NDF: 3038687.3/38

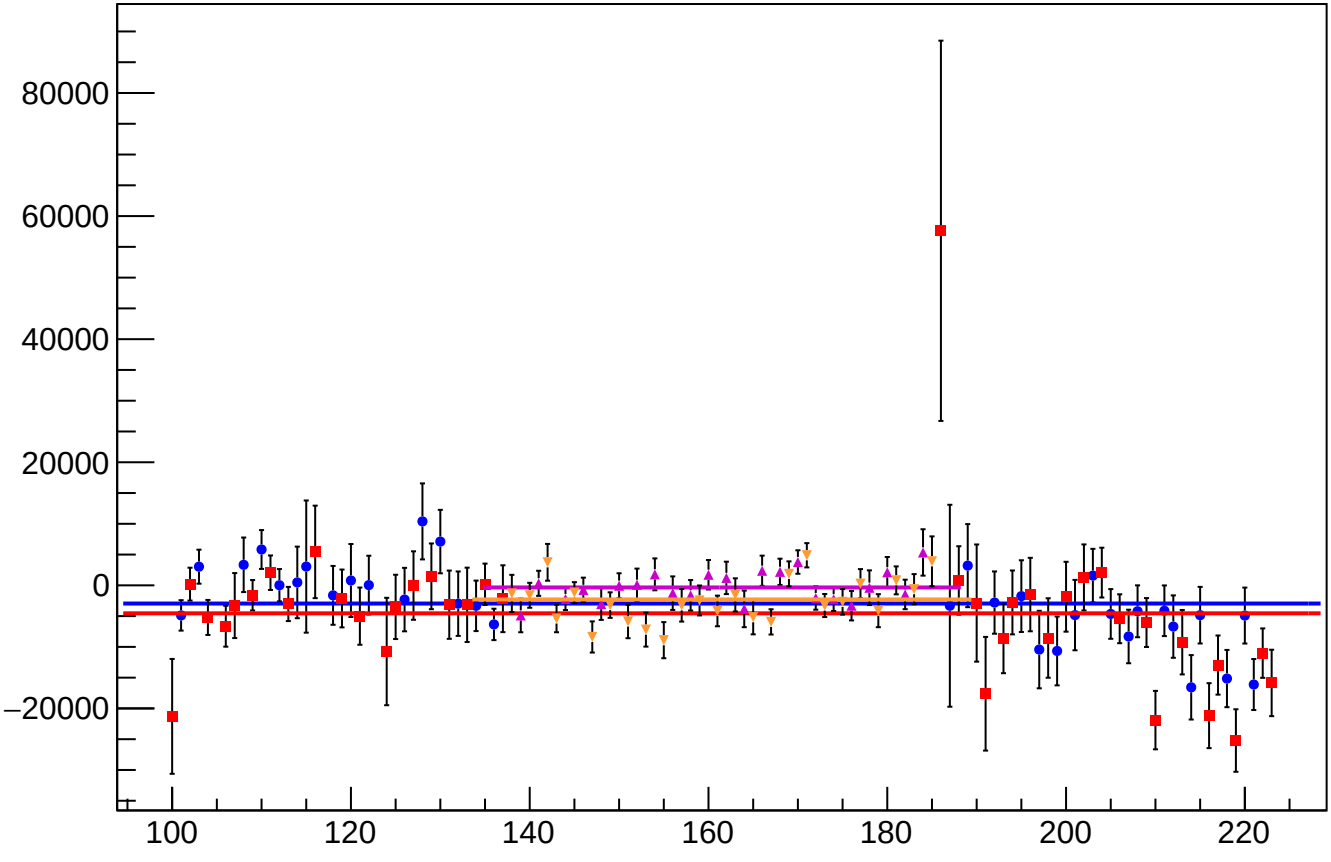
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 303.548+/-0.034 χ^2/NDF: 3512282.4/58

All: 302.696+/-0.024 χ^2/NDF: 7882548.9/120

- sign 301.838+/-0.034 χ^2/NDF: 4369032.3/61

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -2955.848+/-738.035 χ^2/NDF: 60.0/33

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -4545.549+/-714.817 χ^2/NDF: 84.2/38

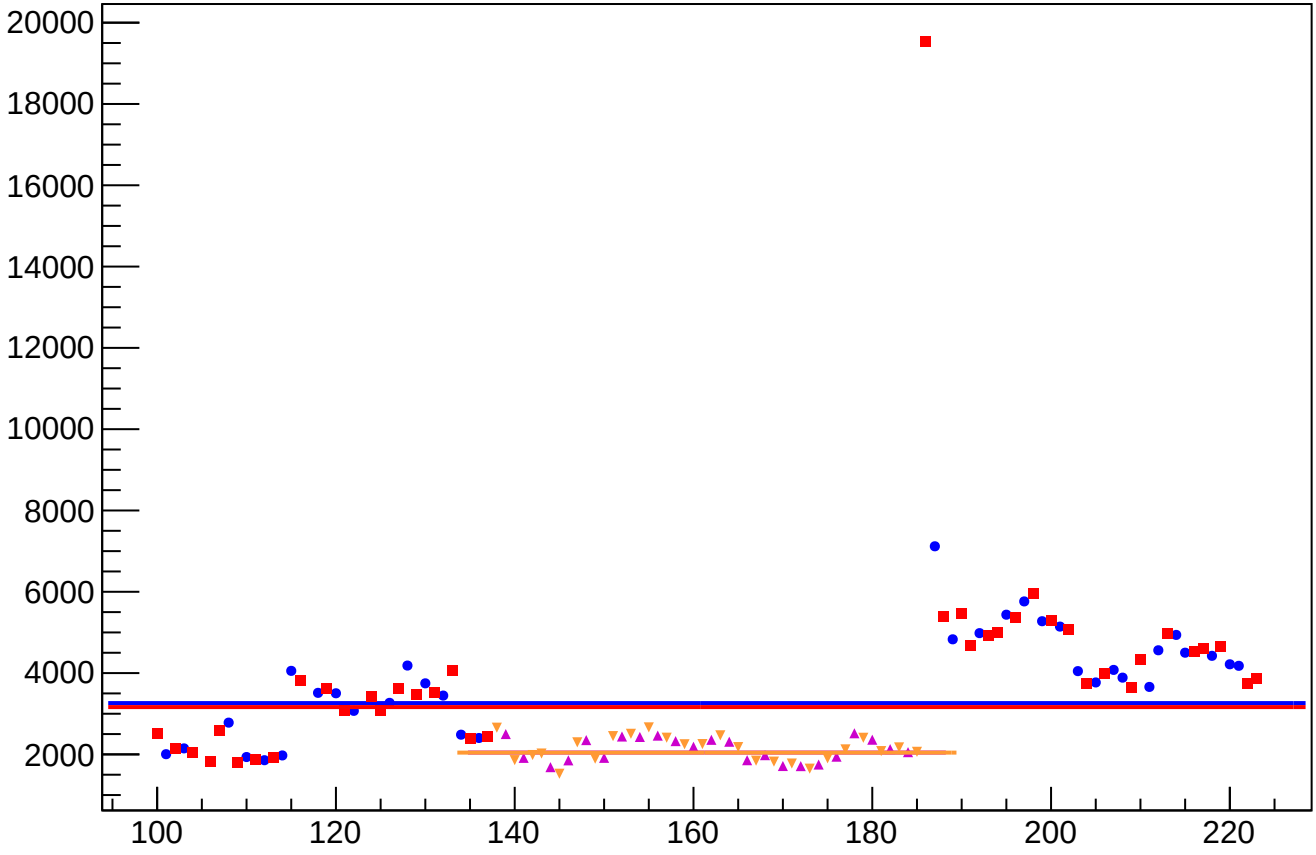
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2483.121+/-396.748 χ^2/NDF: 112.3/58

All: -2076.623+/-281.877 χ^2/NDF: 245.1/120

- sign -1662.299+/-400.548 χ^2/NDF: 130.7/61

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3262.101+/-0.522 χ^2/NDF: 4818823.3/33

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 3163.631+/-0.505 χ^2/NDF: 6403179.8/38

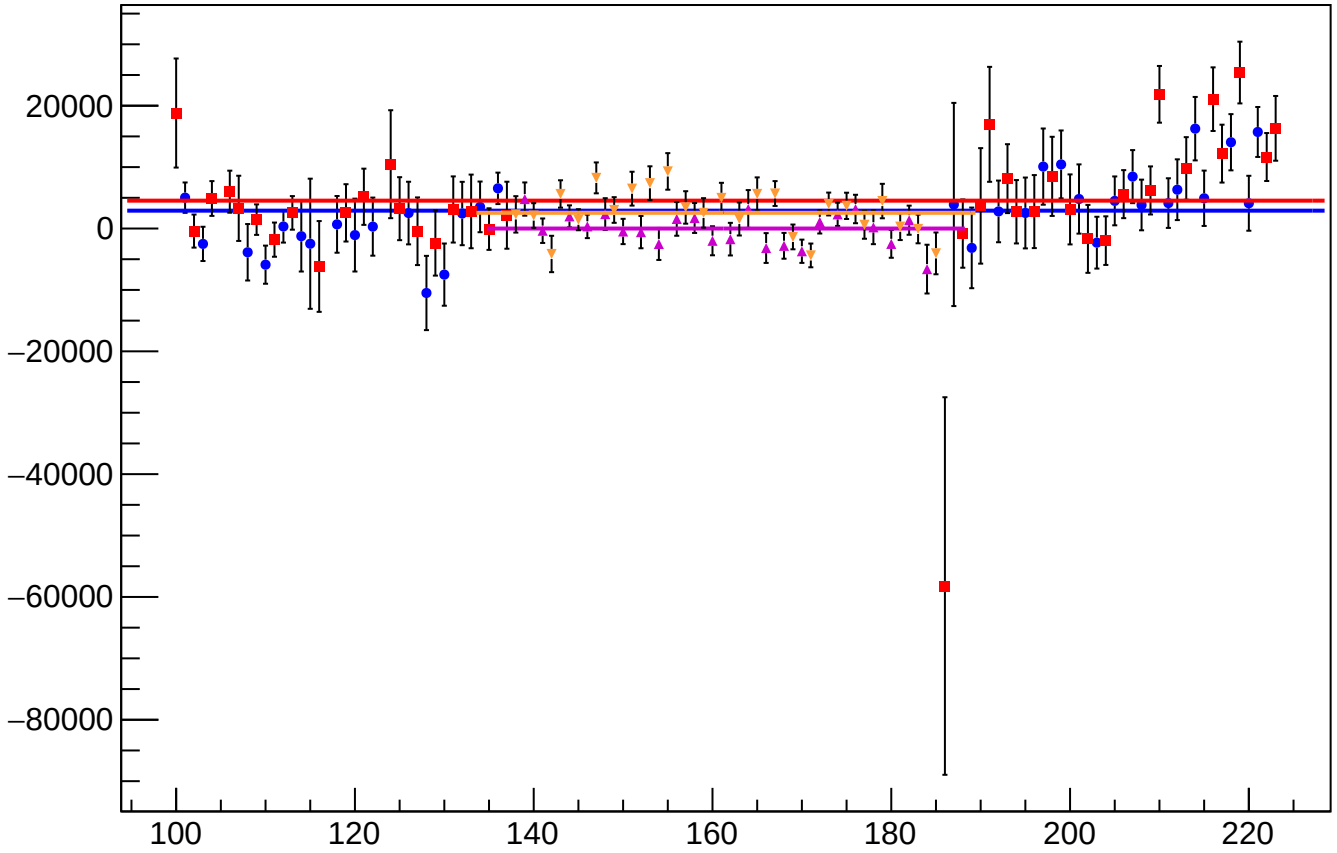
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2395.830+/-0.281 χ^2/NDF: 9547513.7/58

All: 2396.094+/-0.199 χ^2/NDF: 19999891.1/1

- sign 2396.362+/-0.283 χ^2/NDF: 10452375.7/61

asym_sam4_mean vs Slug



Right In: 2908.996+/-731.881 χ^2/NDF: 59.5/33

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 4539.487+/-710.668 χ^2/NDF: 86.7/38

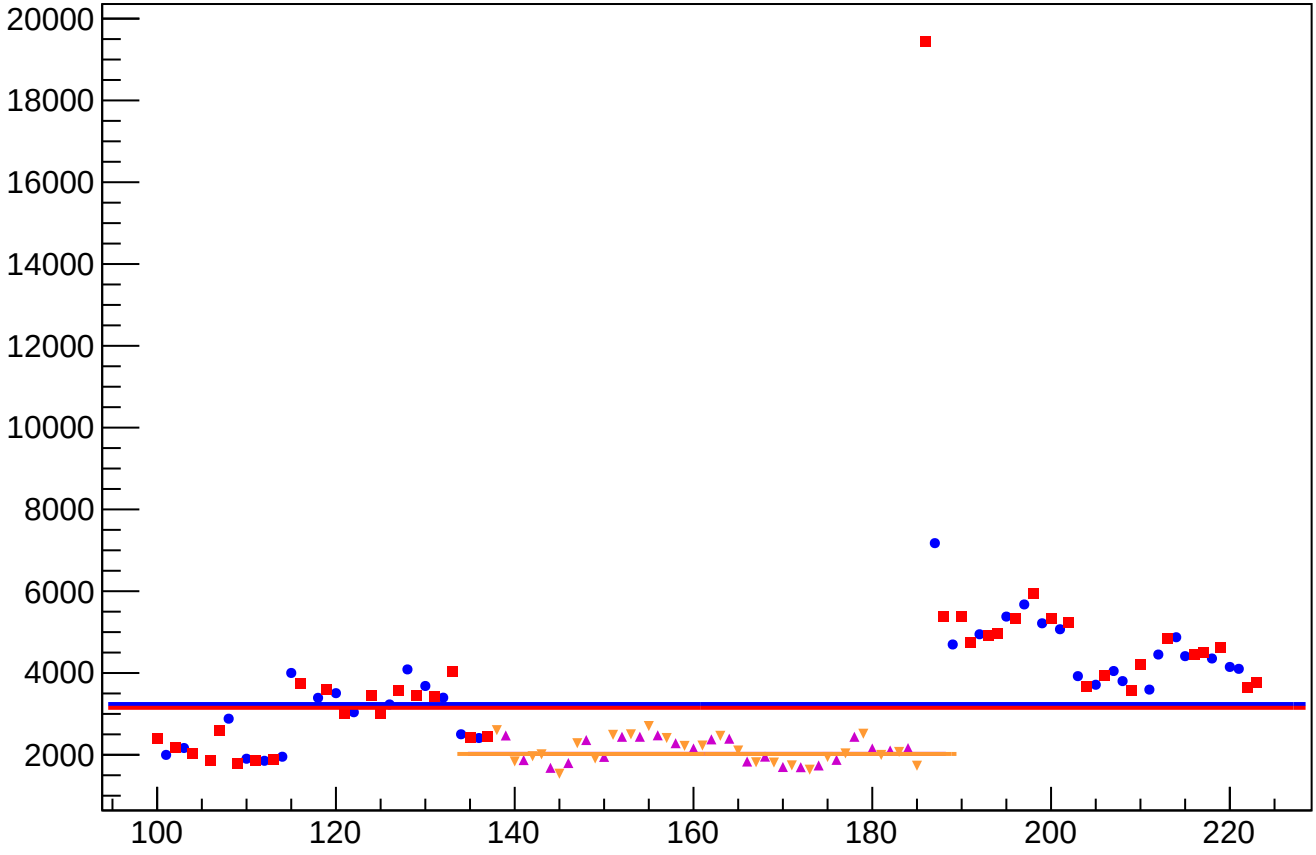
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2659.978+/-393.050 χ^2/NDF: 112.4/58

All: 2042.939+/-279.288 χ^2/NDF: 256.8/120

- sign 1413.681+/-396.923 χ^2/NDF: 139.5/61

asym_sam4_rms vs Slug



Right In: 3241.334+/-0.518 χ^2/NDF: 4636042.4/33

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3149.309+/-0.503 χ^2/NDF: 6279034.4/38

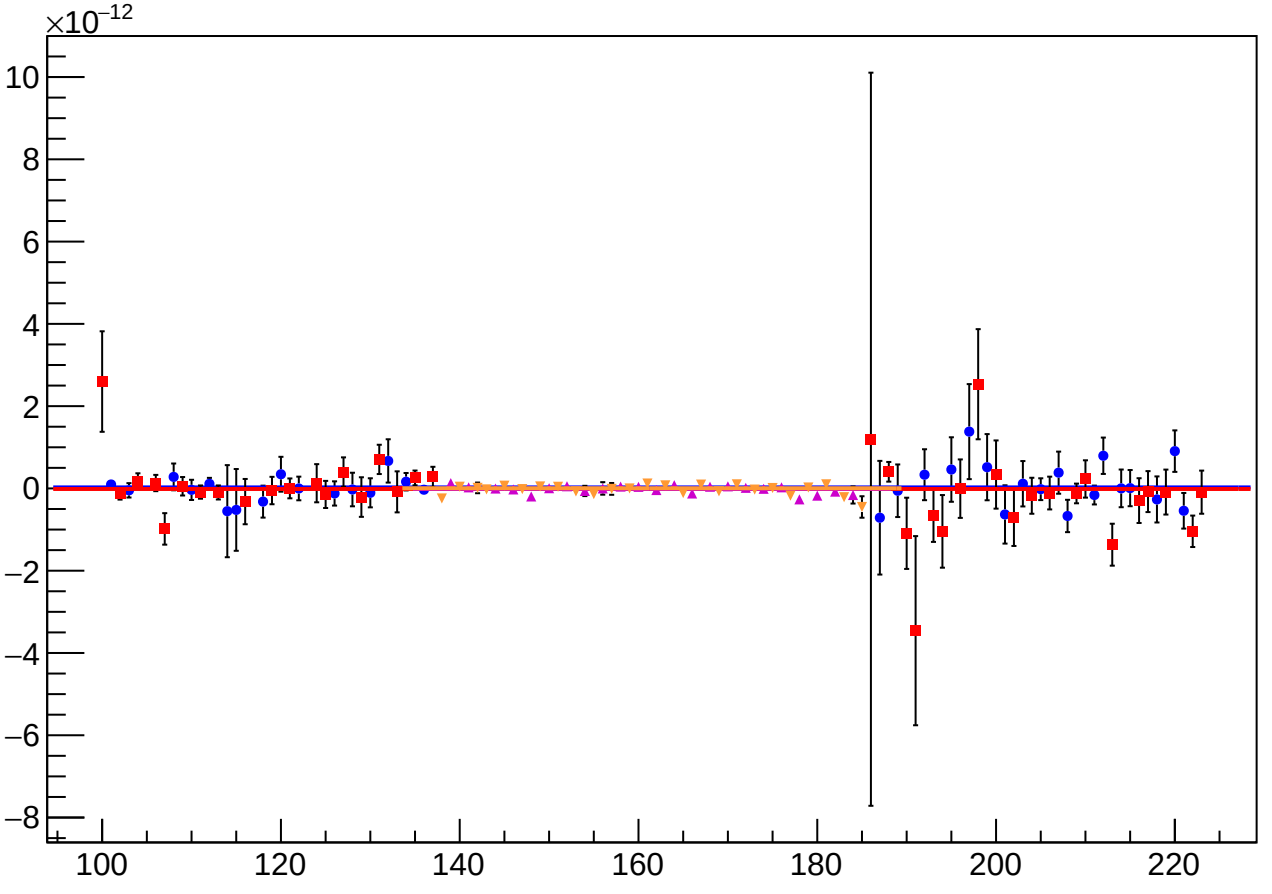
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2373.149+/-0.278 χ^2/NDF: 9472398.3/58

All: 2373.839+/-0.197 χ^2/NDF: 19902245.4/1

- sign 2374.542+/-0.281 χ^2/NDF: 10429834.7/61

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.1/38

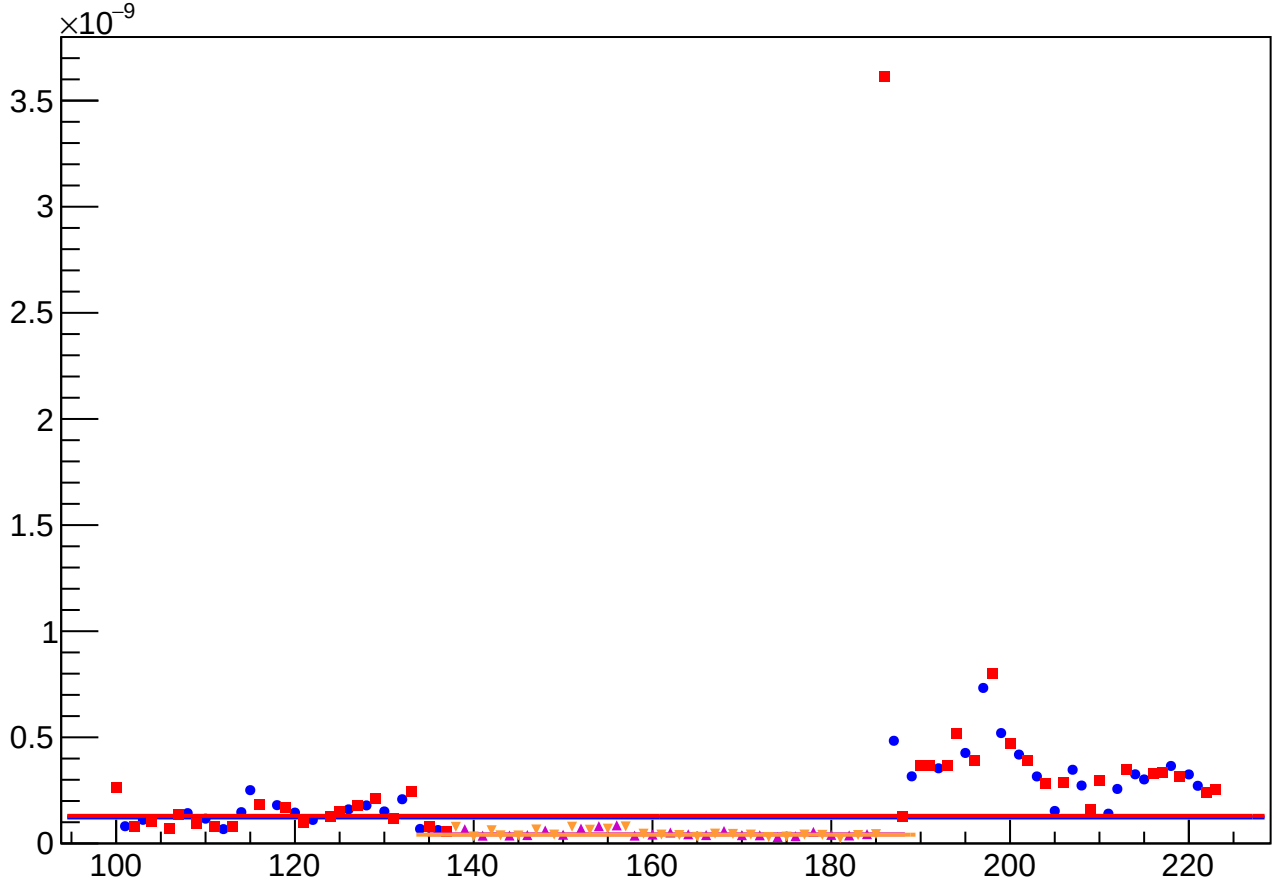
Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/58

All: -0.000+/-0.000 χ^2/NDF: 128.9/120

- sign -0.000+/-0.000 χ^2/NDF: 73.9/61

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6776854.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6434424.1/38

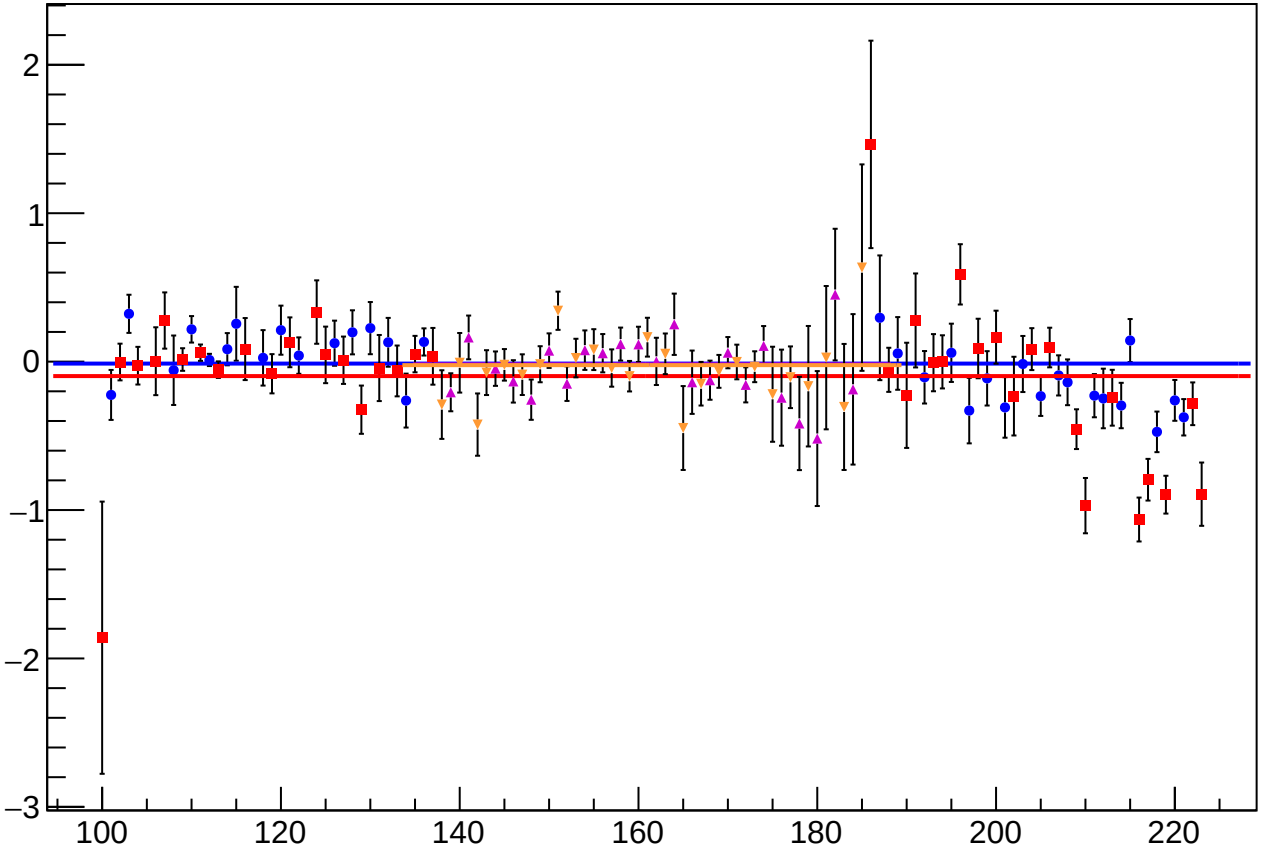
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13323480.9/58

All: 0.000+/-0.000 χ^2/NDF: 26262120.5/120

- sign 0.000+/-0.000 χ^2/NDF: 12910848.2/61

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.022 χ^2/NDF: 70.0/33

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

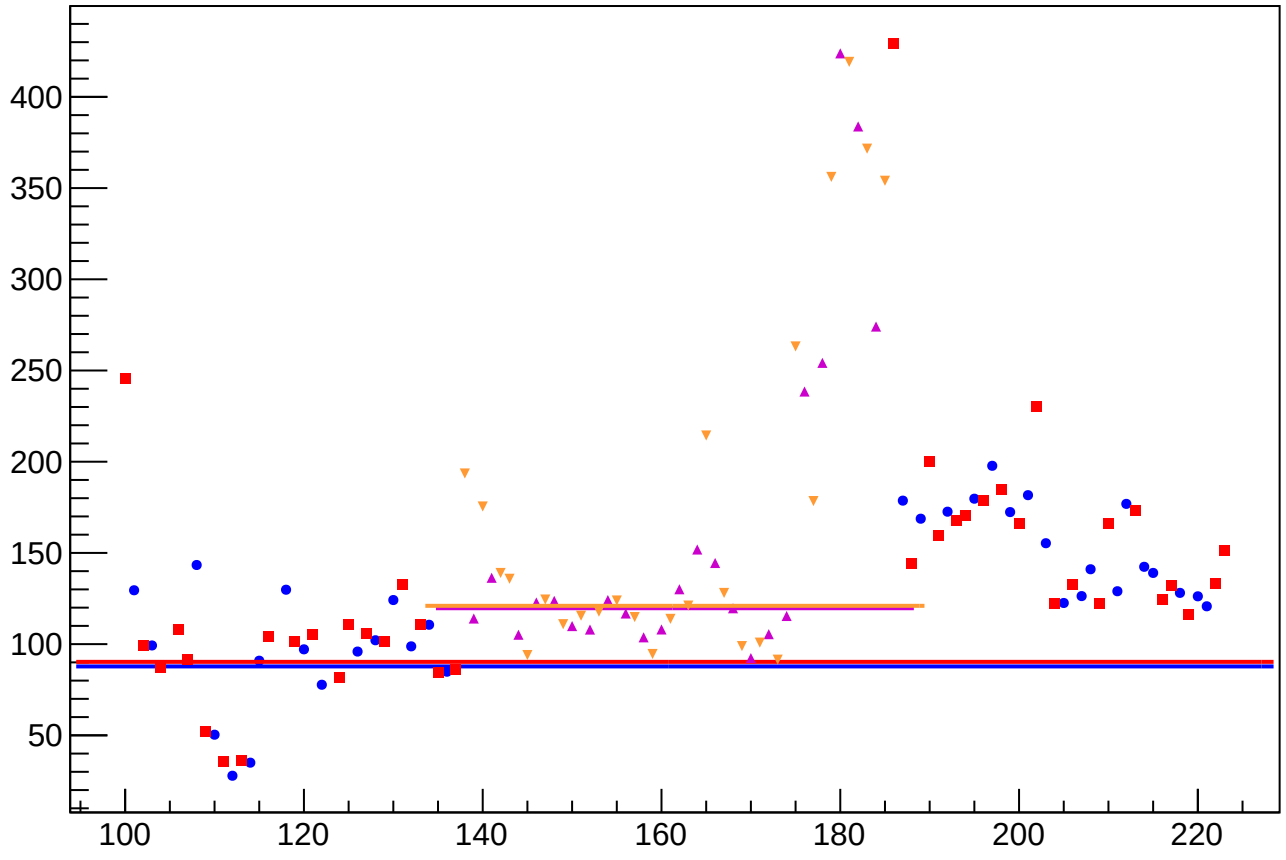
Right Out: -0.097+/-0.022 χ^2/NDF: 208.8/38

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.017+/-0.018 χ^2/NDF: 92.3/58

All: -0.043+/-0.013 χ^2/NDF: 333.0/120

- sign -0.070+/-0.018 χ^2/NDF: 236.3/61



Right In: 87.775+/-0.016 χ^2/NDF: 10477988.0/33

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 90.284+/-0.016 χ^2/NDF: 9974048.4/38

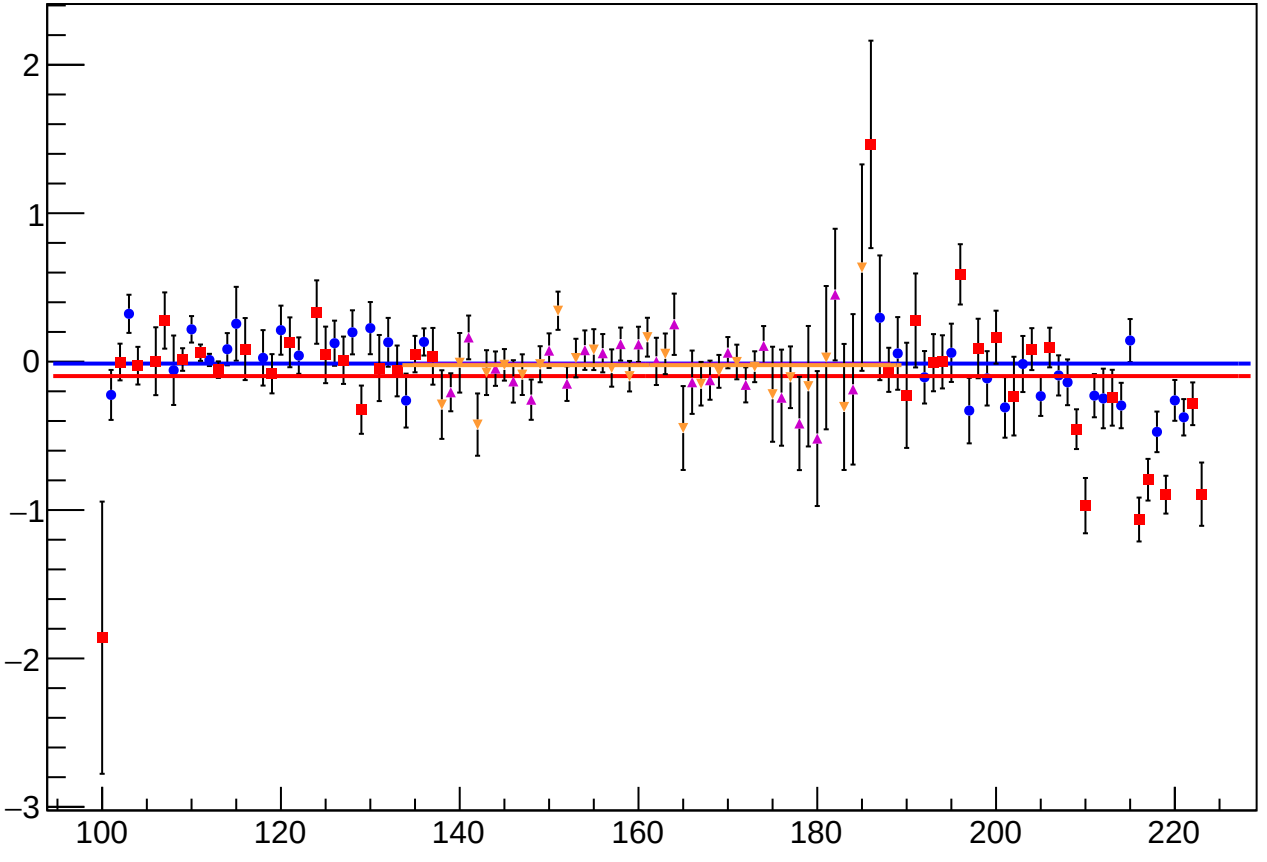
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 99.534+/-0.013 χ^2/NDF: 16168386.0/58

All: 100.017+/-0.009 χ^2/NDF: 30217750.3/12

- sign 100.502+/-0.013 χ^2/NDF: 14046406.8/61

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013+/-0.022 χ^2/NDF: 70.0/33

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.097+/-0.022 χ^2/NDF: 208.8/38

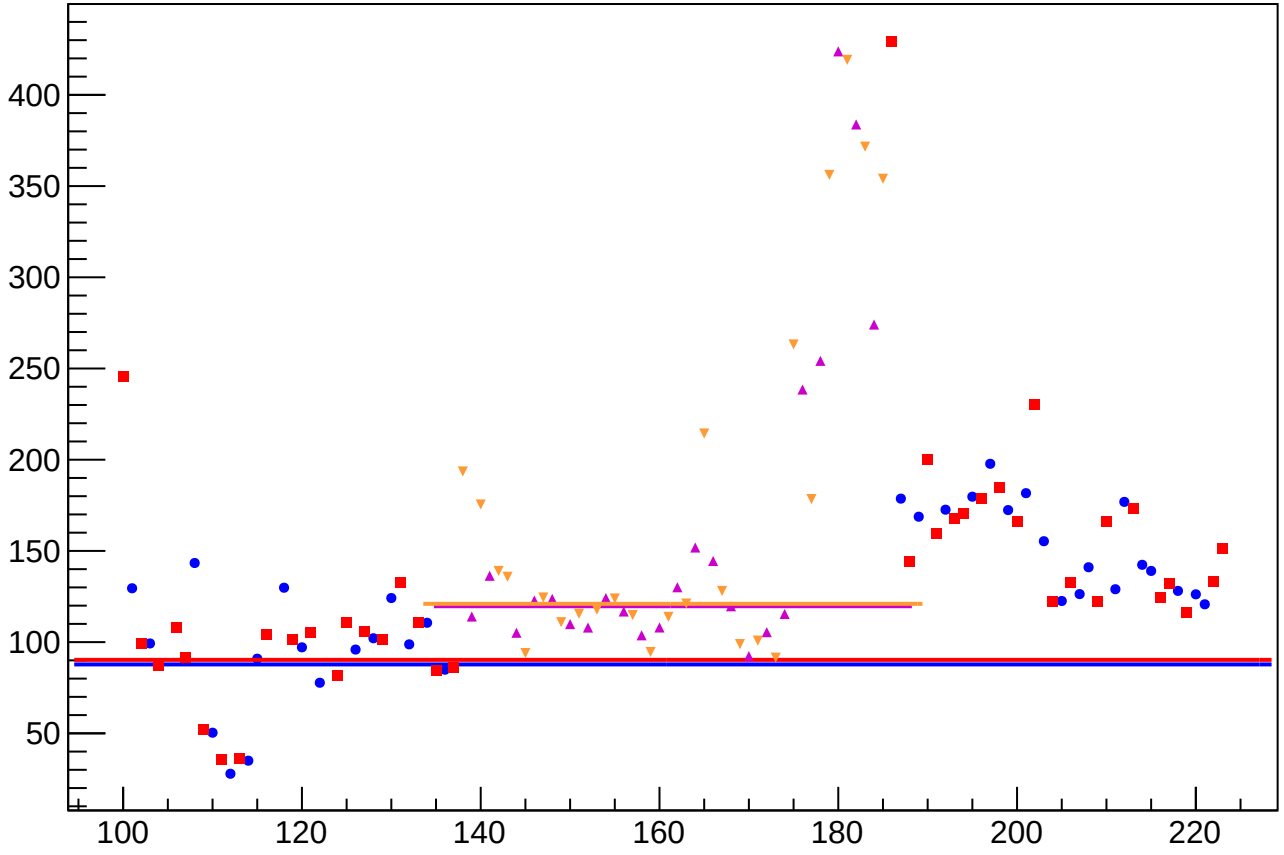
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.017+/-0.018 χ^2/NDF: 92.3/58

All: -0.043+/-0.013 χ^2/NDF: 333.0/120

- sign -0.070+/-0.018 χ^2/NDF: 236.3/61

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 87.775+/-0.016 χ^2/NDF: 10477988.0/33

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

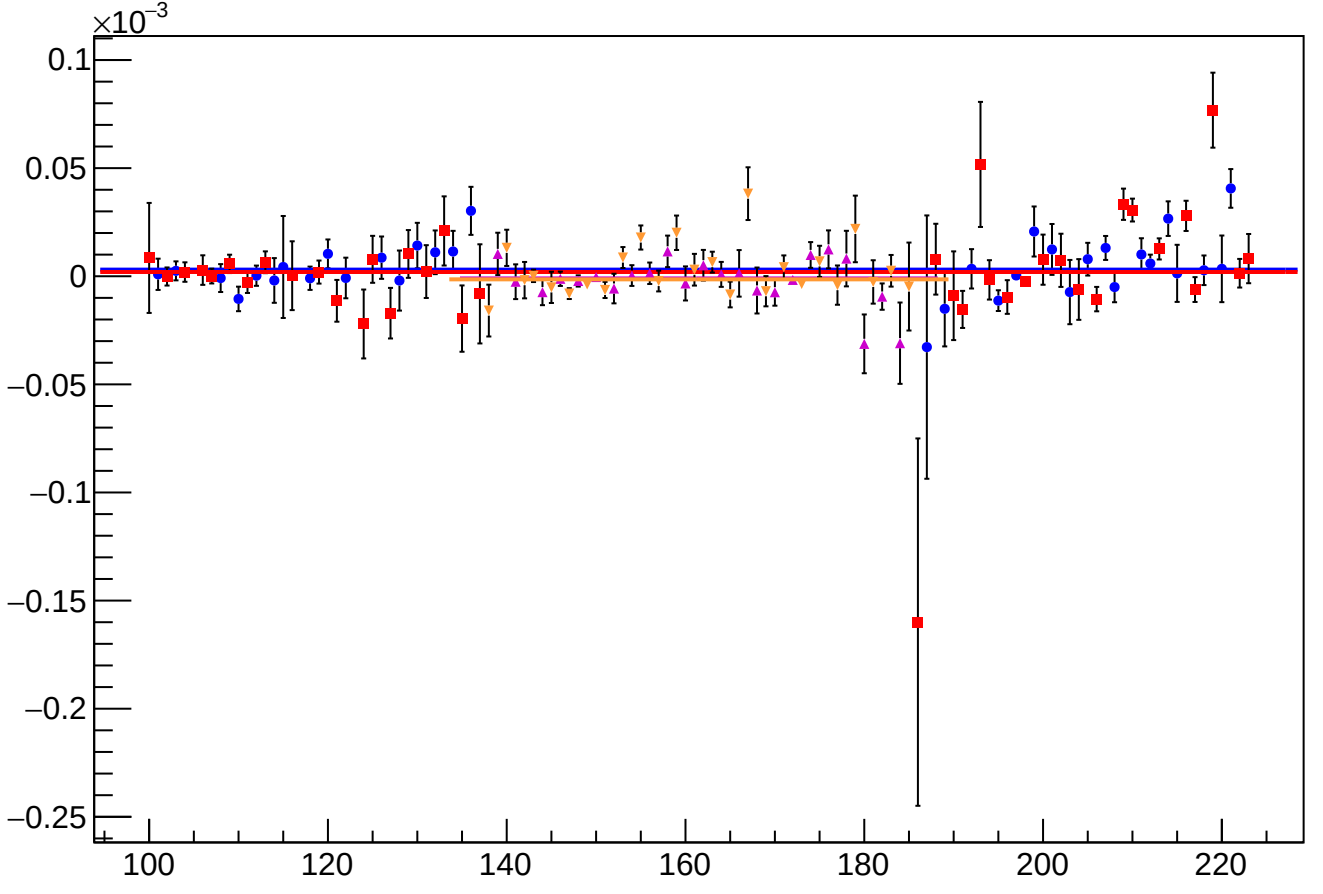
Right Out: 90.284+/-0.016 χ^2/NDF: 9974048.4/38

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 99.534+/-0.013 χ^2/NDF: 16168386.0/58

All: 100.017+/-0.009 χ^2/NDF: 30217750.3/12

- sign 100.502+/-0.013 χ^2/NDF: 14046406.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 65.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 127.5/38

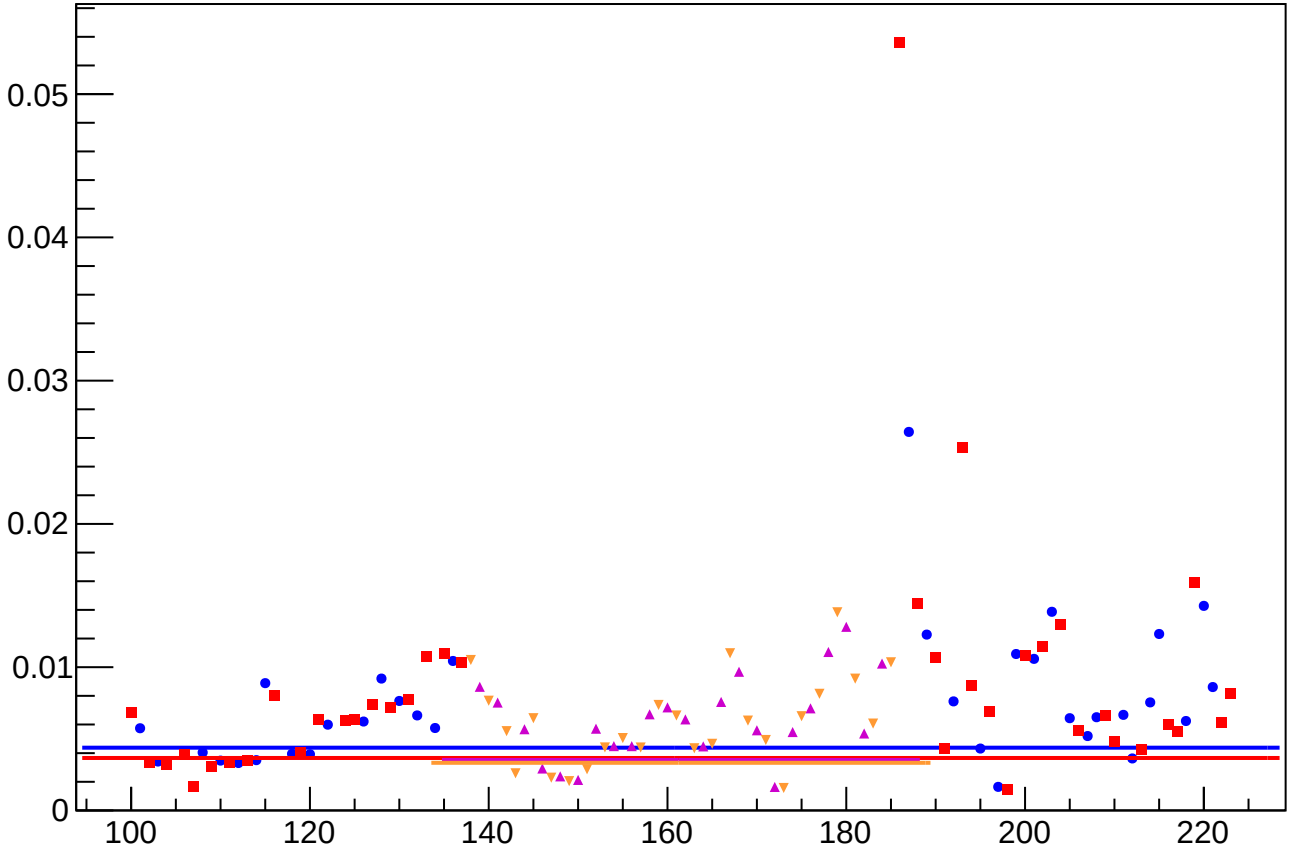
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 136.0/58

All: 0.000+/-0.000 χ^2/NDF: 292.6/120

- sign 0.000+/-0.000 χ^2/NDF: 156.6/61

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 10923232.5/33

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 15427721.5/38

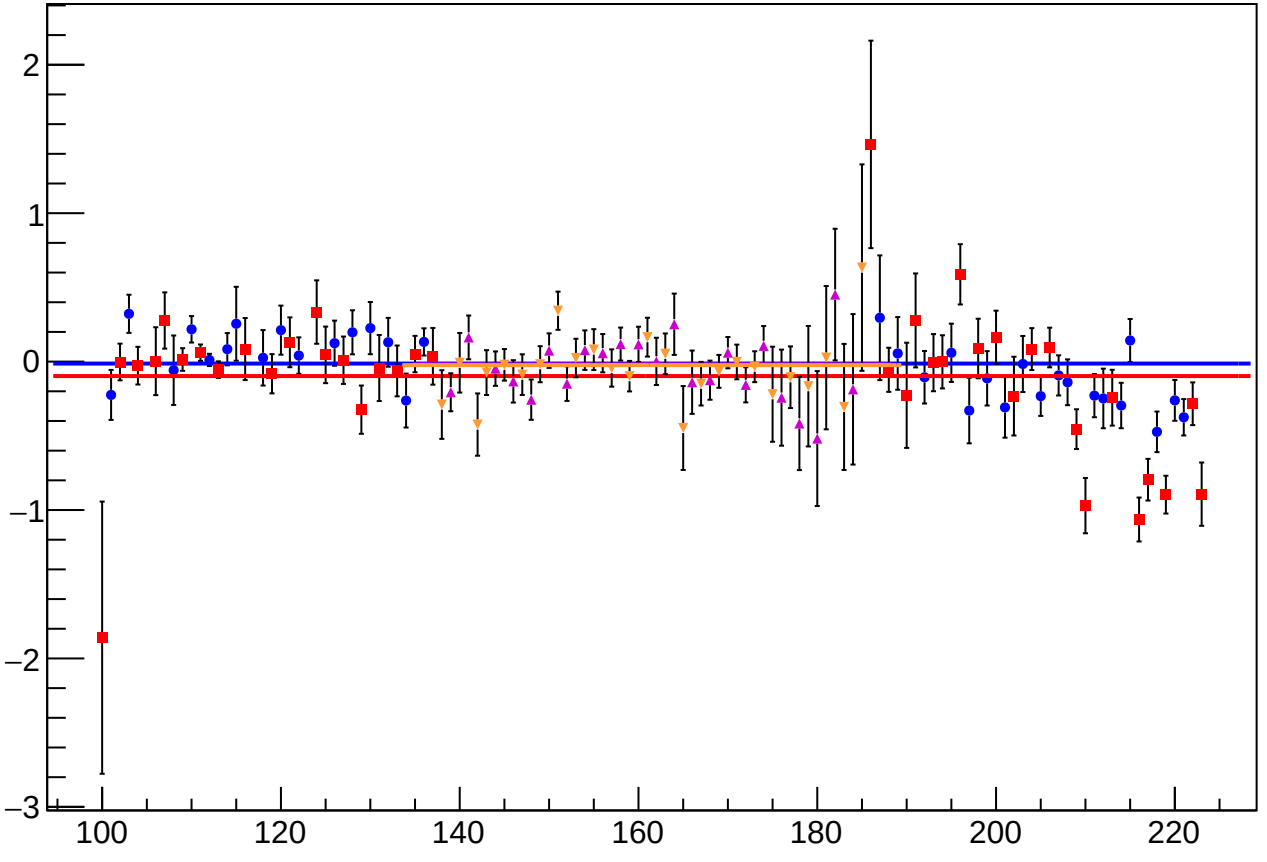
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 22487724.5/58

All: 0.004+/-0.000 χ^2/NDF: 47408698.9/120

- sign 0.004+/-0.000 χ^2/NDF: 24874860.2/61

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.022 χ^2/NDF: 70.0/33

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.097+/-0.022 χ^2/NDF: 208.8/38

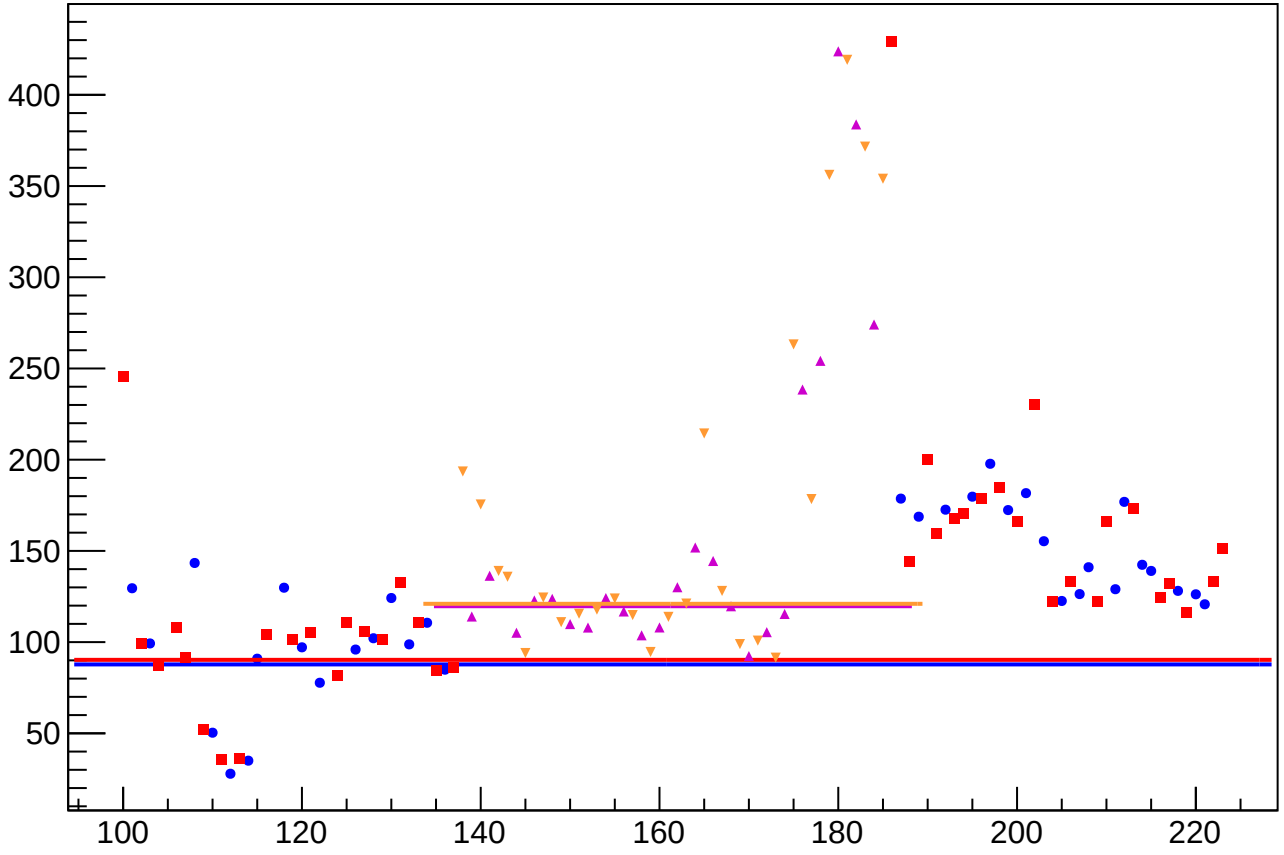
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.017+/-0.018 χ^2/NDF: 92.3/58

All: -0.043+/-0.013 χ^2/NDF: 333.0/120

- sign -0.070+/-0.018 χ^2/NDF: 236.2/61

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 87.773+/-0.016 χ^2/NDF: 10478513.4/33

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 90.282+/-0.016 χ^2/NDF: 9974597.7/38

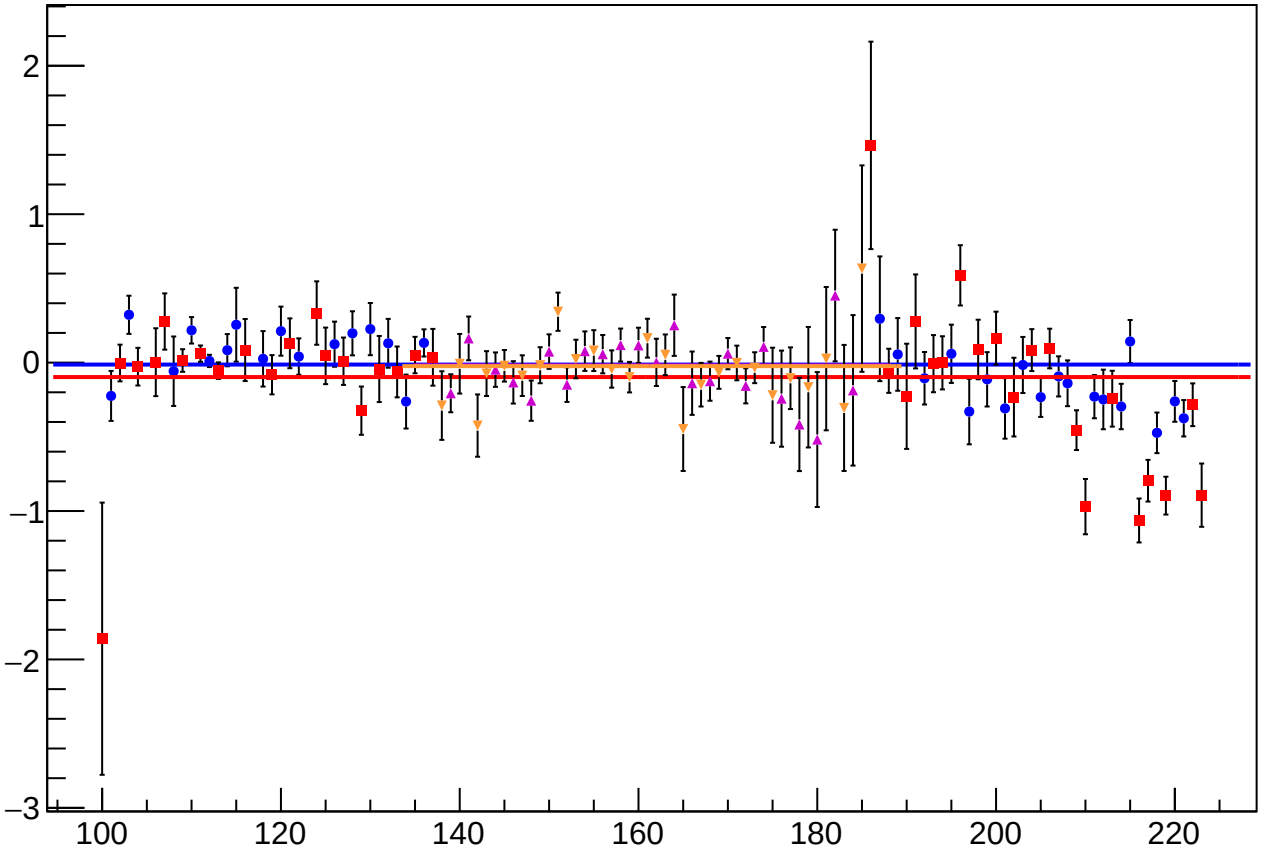
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 99.532+/-0.013 χ^2/NDF: 16169178.0/58

All: 100.015+/-0.009 χ^2/NDF: 30219271.8/12

- sign 100.501+/-0.013 χ^2/NDF: 14047134.2/61

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013+/-0.022 χ^2/NDF: 70.0/33

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

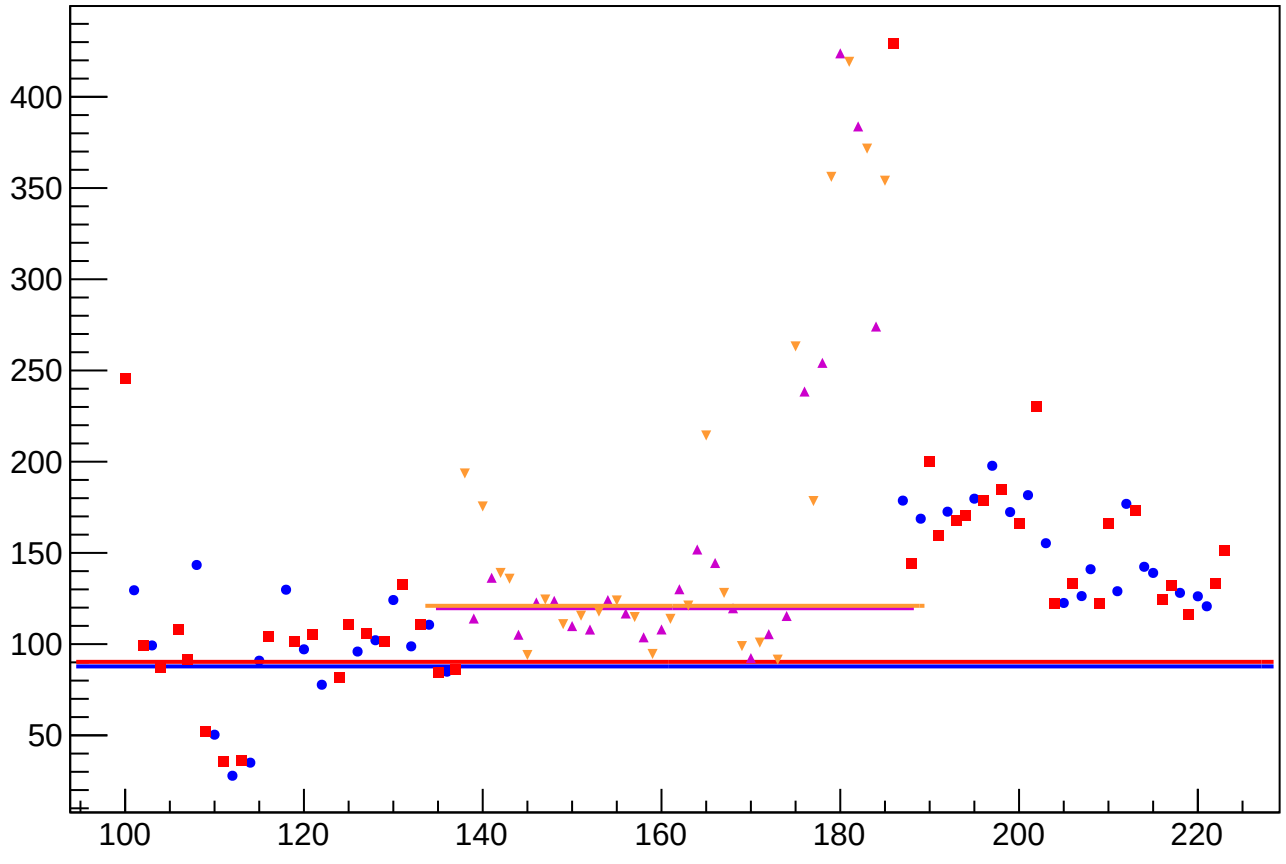
Right Out: -0.097+/-0.022 χ^2/NDF: 208.8/38

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

\+ sign -0.017+/-0.018 χ^2/NDF: 92.3/58

All: -0.043+/-0.013 χ^2/NDF: 333.0/120

\- sign -0.070+/-0.018 χ^2/NDF: 236.2/61



Right In: 87.773+/-0.016 χ^2/NDF: 10478513.4/33

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 90.282+/-0.016 χ^2/NDF: 9974597.7/38

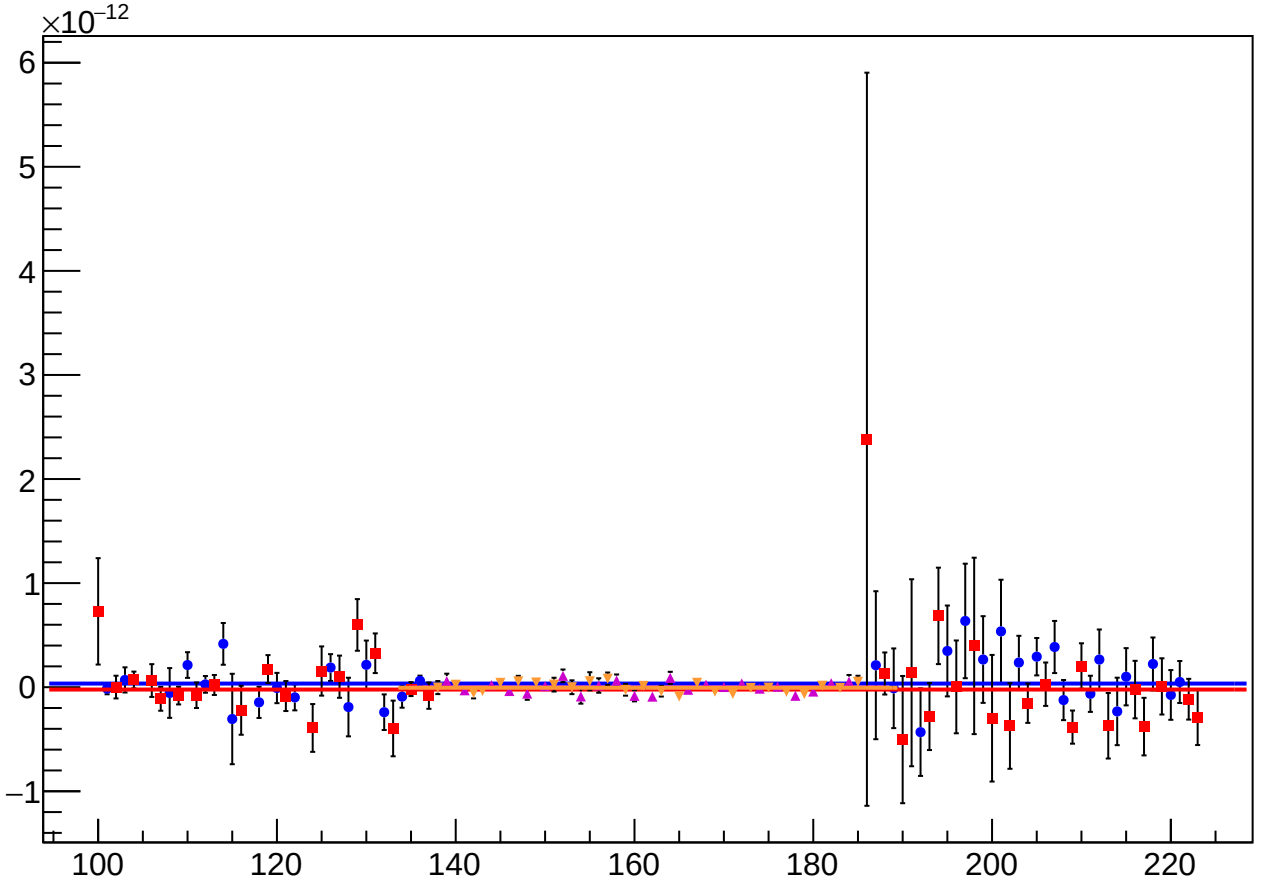
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 99.532+/-0.013 χ^2/NDF: 16169178.0/58

All: 100.015+/-0.009 χ^2/NDF: 30219271.8/12

- sign 100.501+/-0.013 χ^2/NDF: 14047134.2/61

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.4/38

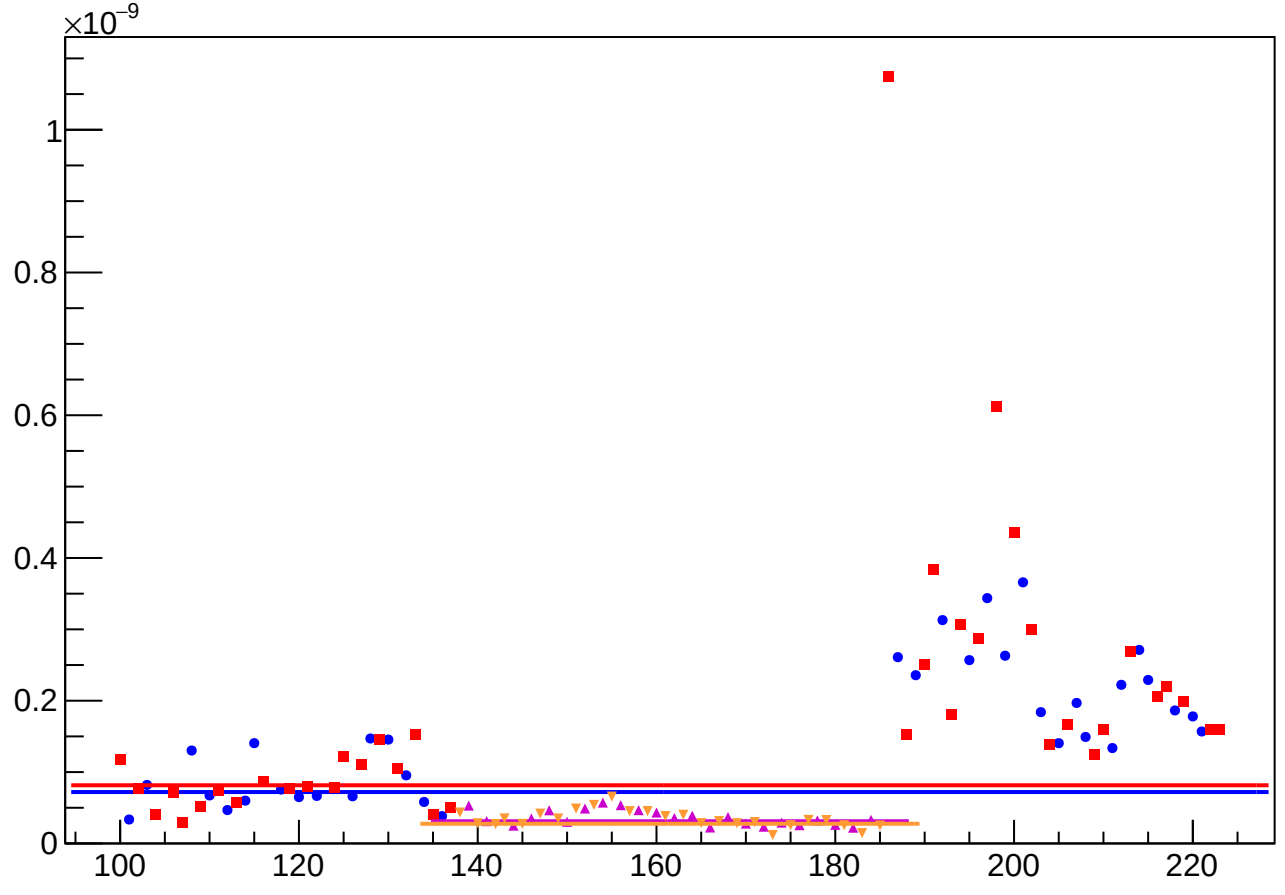
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.8/58

All: -0.000+/-0.000 χ^2/NDF: 122.4/120

- sign -0.000+/-0.000 χ^2/NDF: 68.5/61

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10725835.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9949615.0/38

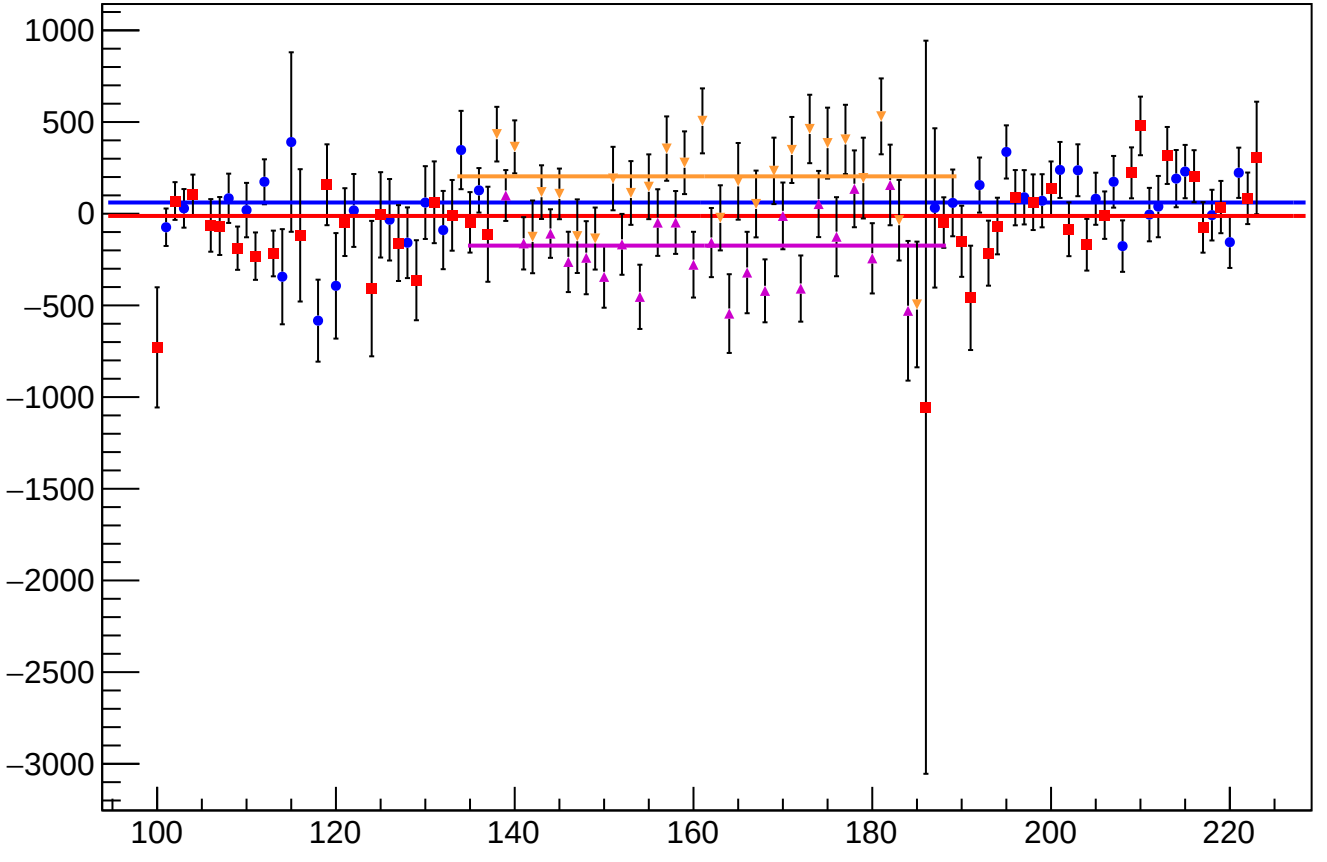
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20486348.6/58

All: 0.000+/-0.000 χ^2/NDF: 39310090.7/120

- sign 0.000+/-0.000 χ^2/NDF: 18533265.2/61

reg_asym_sam5_mean vs Slug



Right In: 61.140+/-26.674 χ^2/NDF: 37.4/33

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -12.187+/-25.852 χ^2/NDF: 48.7/38

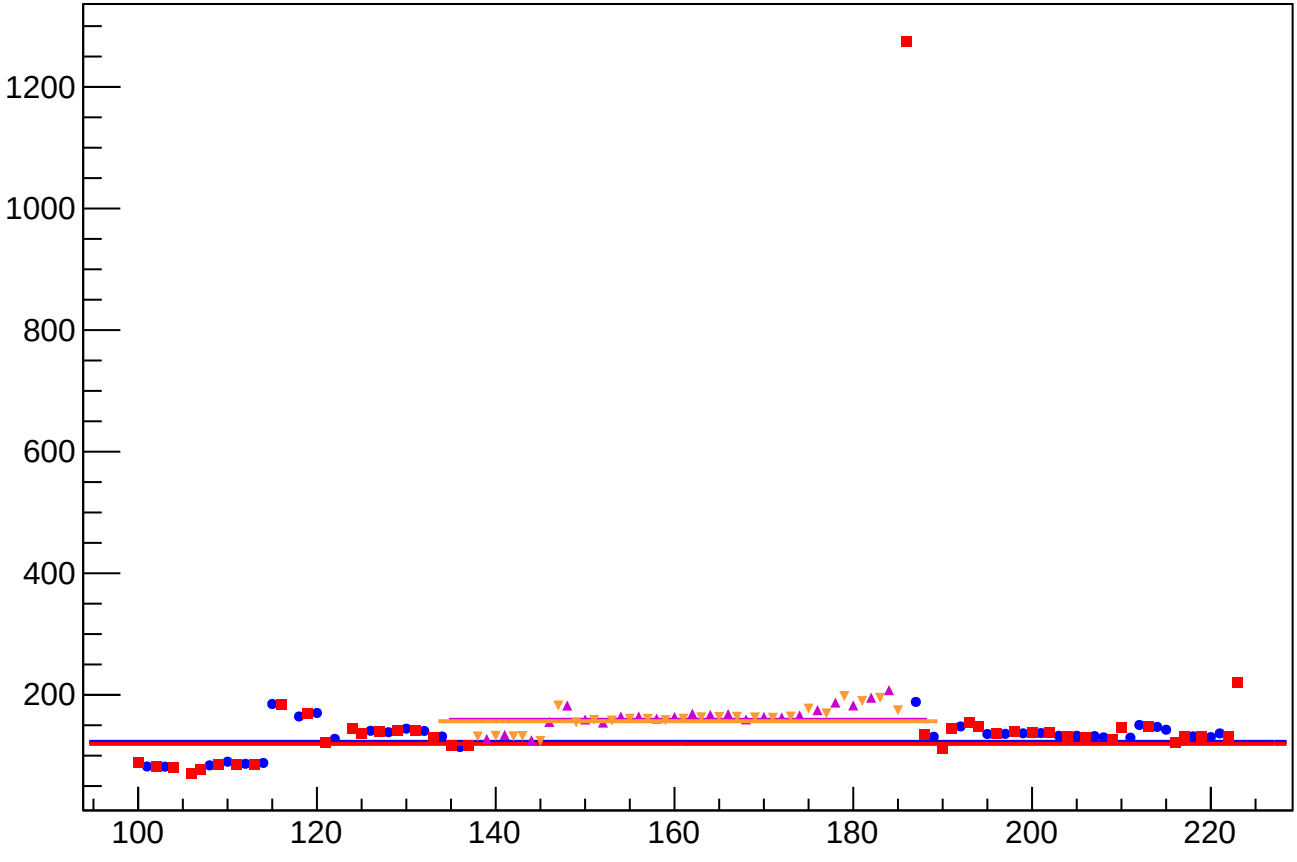
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 111.910+/-21.406 χ^2/NDF: 80.4/58

All: 23.137+/-15.087 χ^2/NDF: 200.5/120

- sign -64.485+/-21.267 χ^2/NDF: 85.9/61

reg_asym_sam5_rms vs Slug



Right In: 122.705+/-0.019 χ^2/NDF: 1714734.5/33

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 119.384+/-0.018 χ^2/NDF: 2996473.3/38

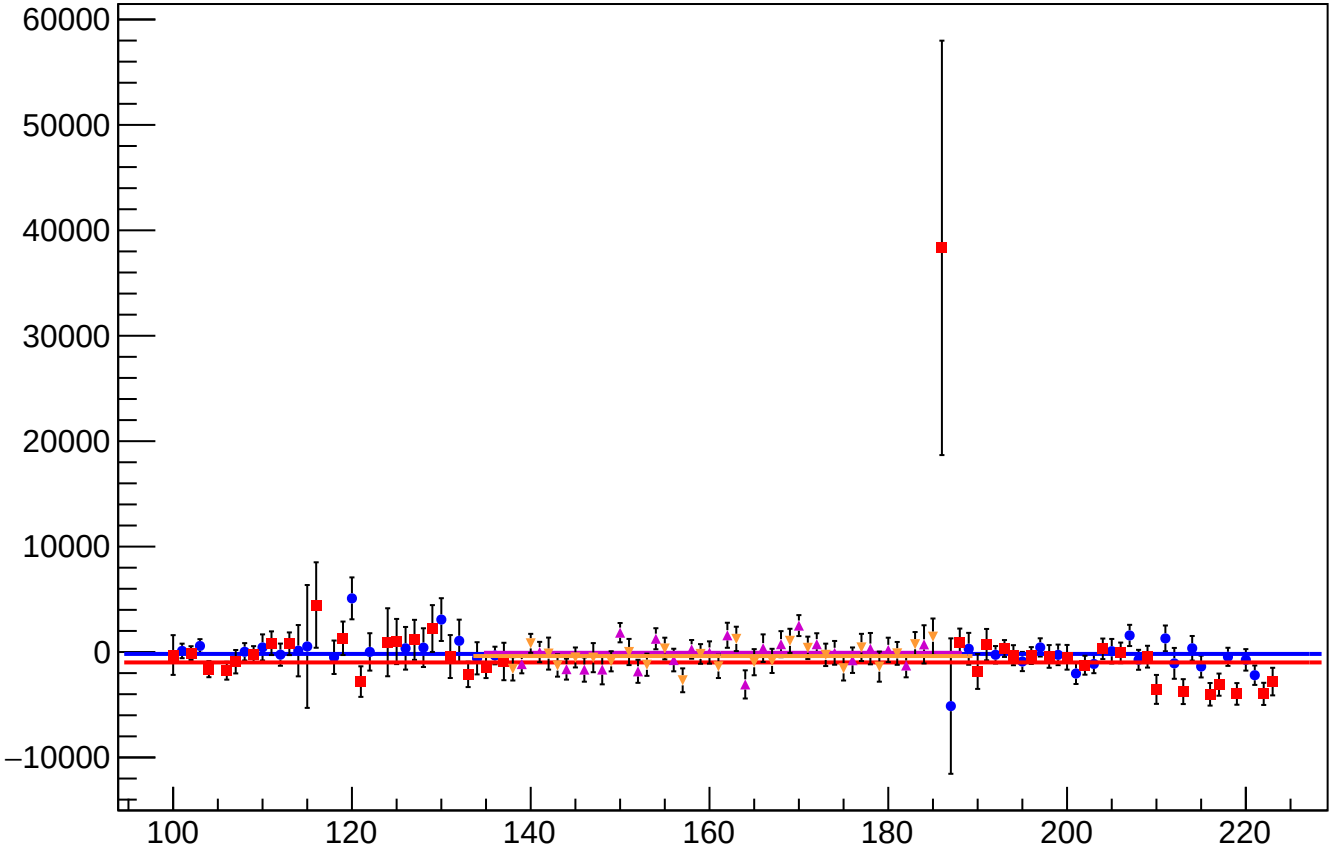
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.784+/-0.015 χ^2/NDF: 3449344.7/58

All: 133.471+/-0.011 χ^2/NDF: 8486566.1/120

- sign 132.175+/-0.015 χ^2/NDF: 5022263.9/61

asym_sam5_reg_correction_mean vs Slug



Right In: -179.961+/-187.041 χ^2/NDF: 30.8/33

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -987.070+/-180.412 χ^2/NDF: 75.5/38

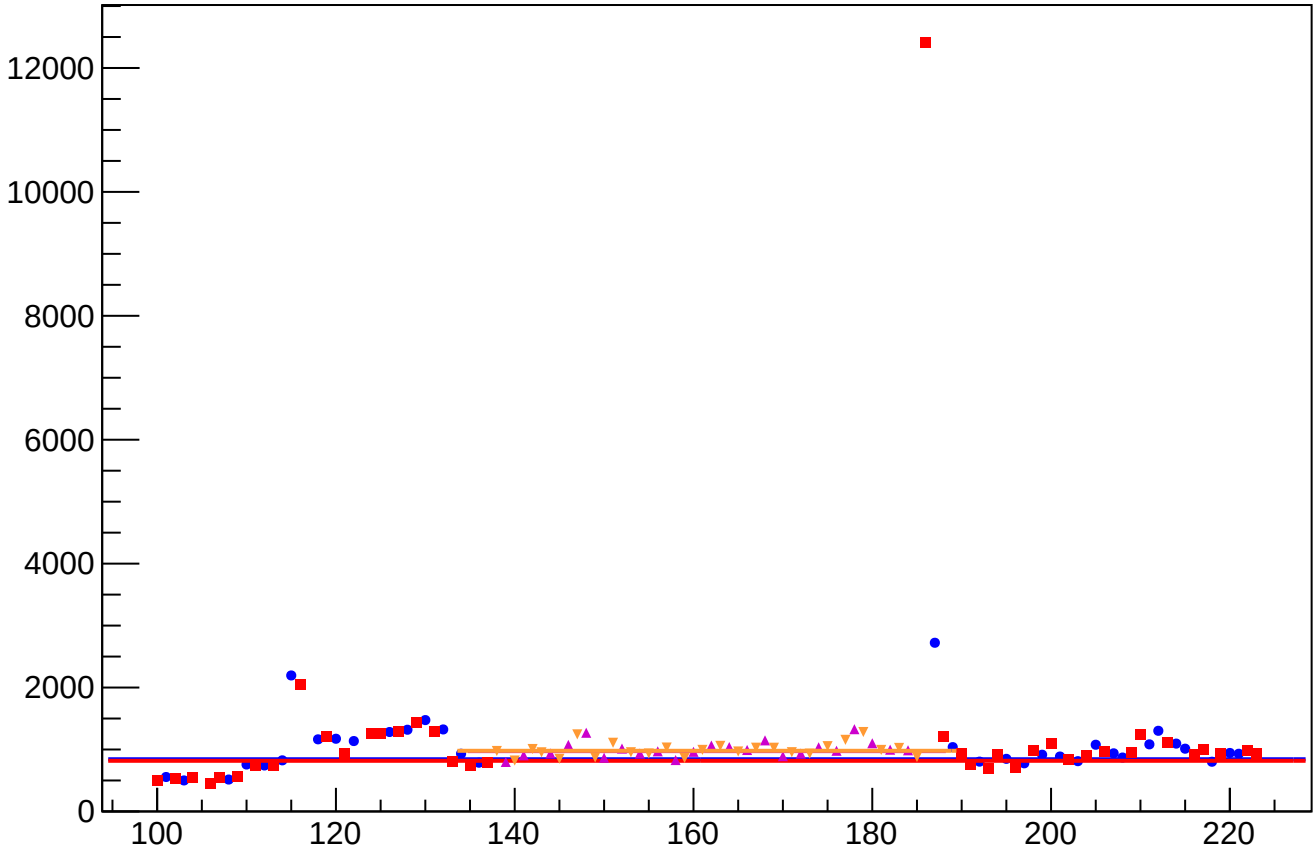
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -262.182+/-143.716 χ^2/NDF: 50.0/58

All: -453.005+/-100.975 χ^2/NDF: 171.8/120

- sign -639.041+/-141.902 χ^2/NDF: 118.4/61

asym_sam5_reg_correction_rms vs Slug



Right In: 842.851+/-0.132 χ^2/NDF: 2912852.7/33

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 817.636+/-0.128 χ^2/NDF: 4035317.5/38

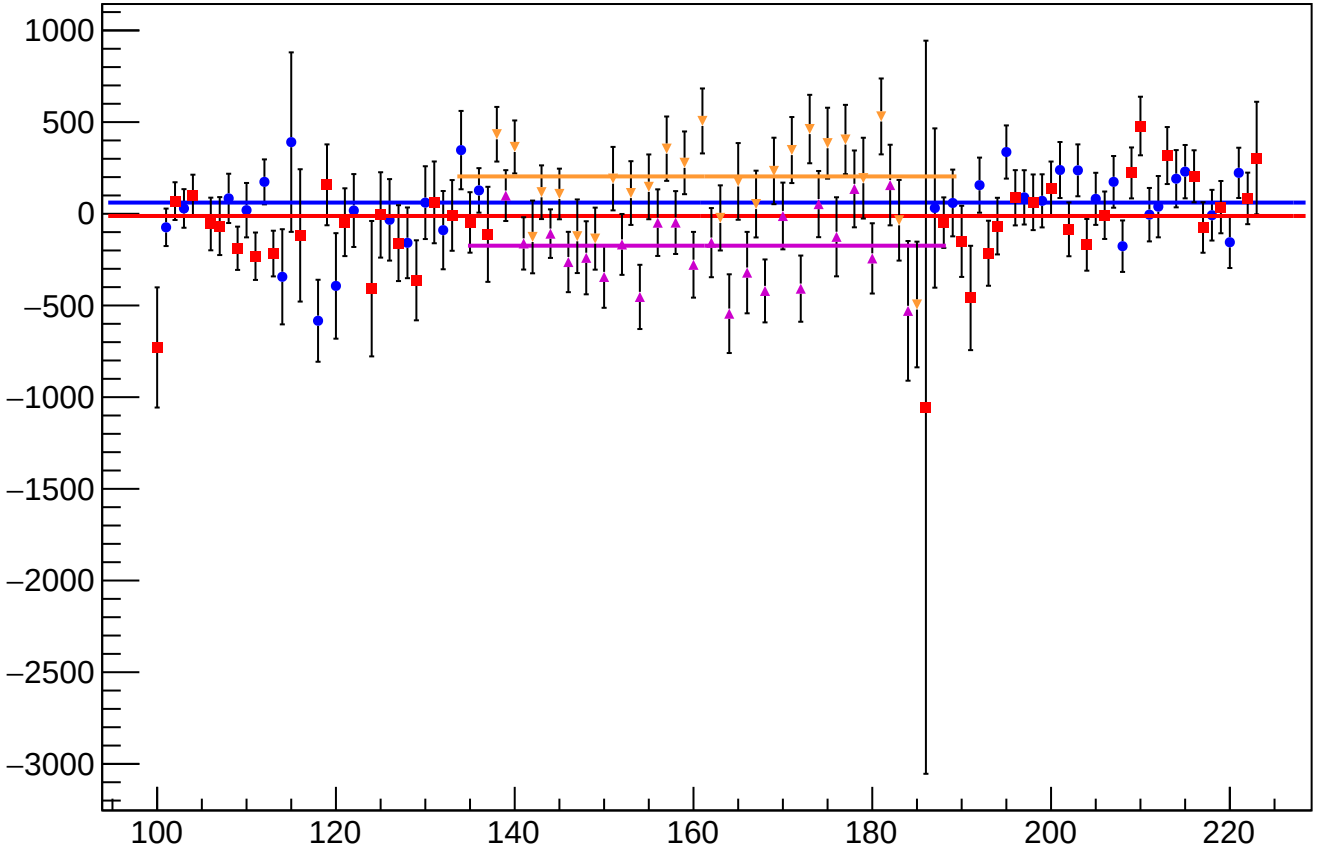
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 898.665+/-0.102 χ^2/NDF: 3777426.5/58

All: 887.794+/-0.071 χ^2/NDF: 8905542.5/120

- sign 877.196+/-0.100 χ^2/NDF: 5105516.6/61

cor_asym_sam5_mean vs Slug



Right In: 61.140+/-26.674 χ^2/NDF: 37.4/33

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -11.940+/-25.853 χ^2/NDF: 48.7/38

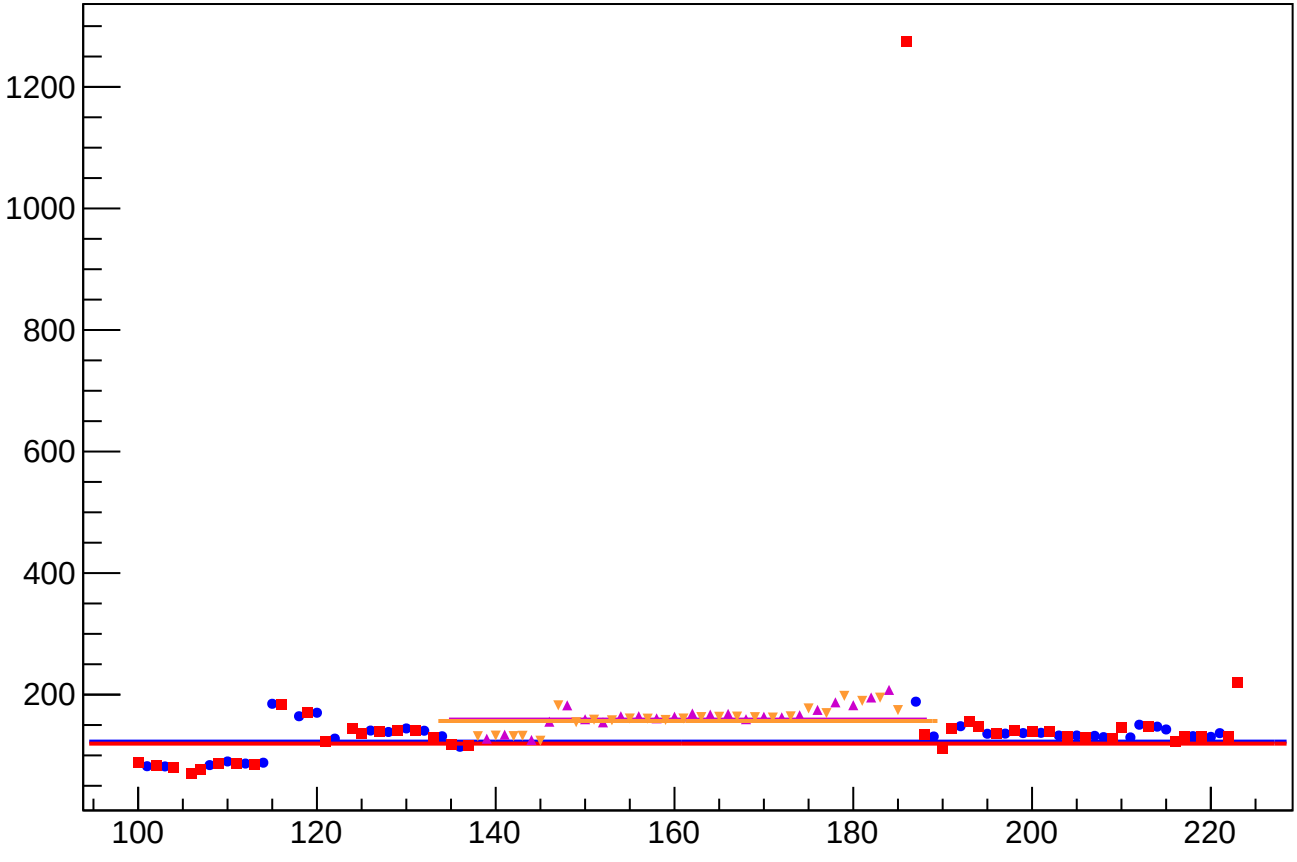
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 111.912+/-21.406 χ^2/NDF: 80.4/58

All: 23.222+/-15.087 χ^2/NDF: 200.4/120

- sign -64.323+/-21.267 χ^2/NDF: 85.9/61

cor_asym_sam5_rms vs Slug



Right In: 122.705+/-0.019 χ^2/NDF: 1714733.0/33

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 119.375+/-0.018 χ^2/NDF: 2999904.5/38

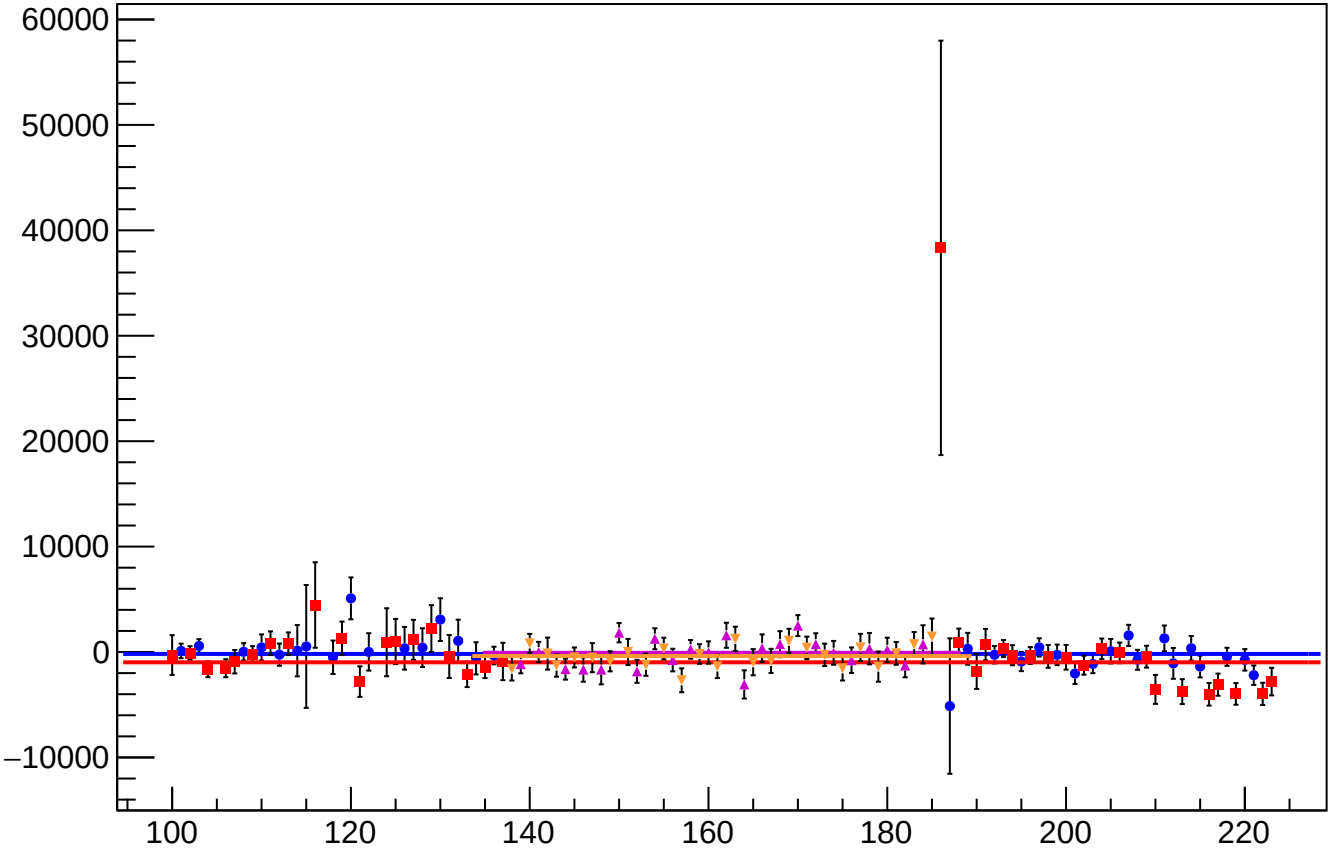
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.784+/-0.015 χ^2/NDF: 3449342.6/58

All: 133.468+/-0.011 χ^2/NDF: 8490783.0/120

- sign 132.169+/-0.015 χ^2/NDF: 5026413.4/61

asym_sam5_cor_correction_mean vs Slug



Right In: -179.957+/-187.041 χ^2/NDF: 30.8/33

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -975.785+/-180.465 χ^2/NDF: 75.1/38

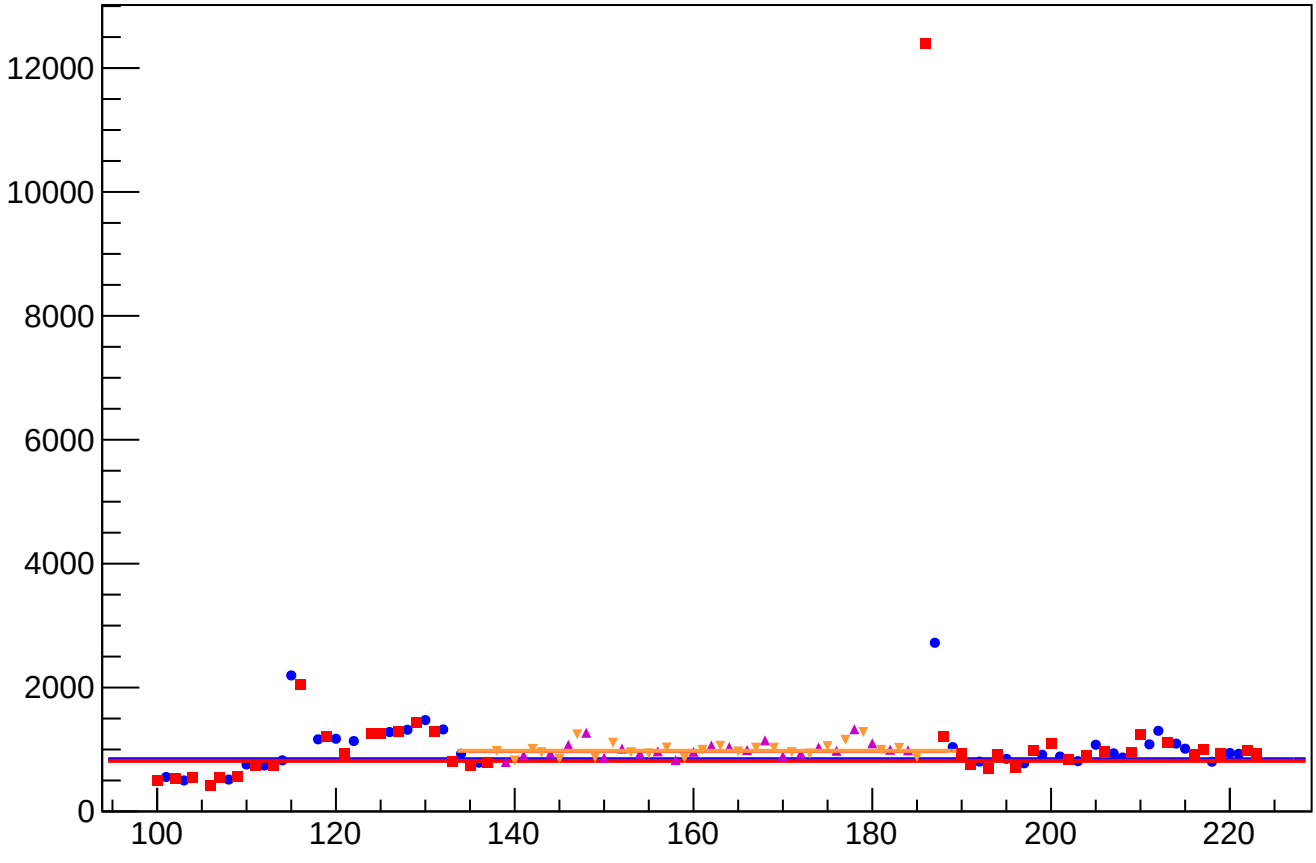
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -262.174+/-143.716 χ^2/NDF: 50.0/58

All: -449.369+/-100.984 χ^2/NDF: 171.0/120

- sign -631.933+/-141.928 χ^2/NDF: 117.7/61

asym_sam5_cor_correction_rms vs Slug



Right In: 842.851+/-0.132 χ^2/NDF: 2912857.3/33

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 816.763+/-0.128 χ^2/NDF: 4081351.3/38

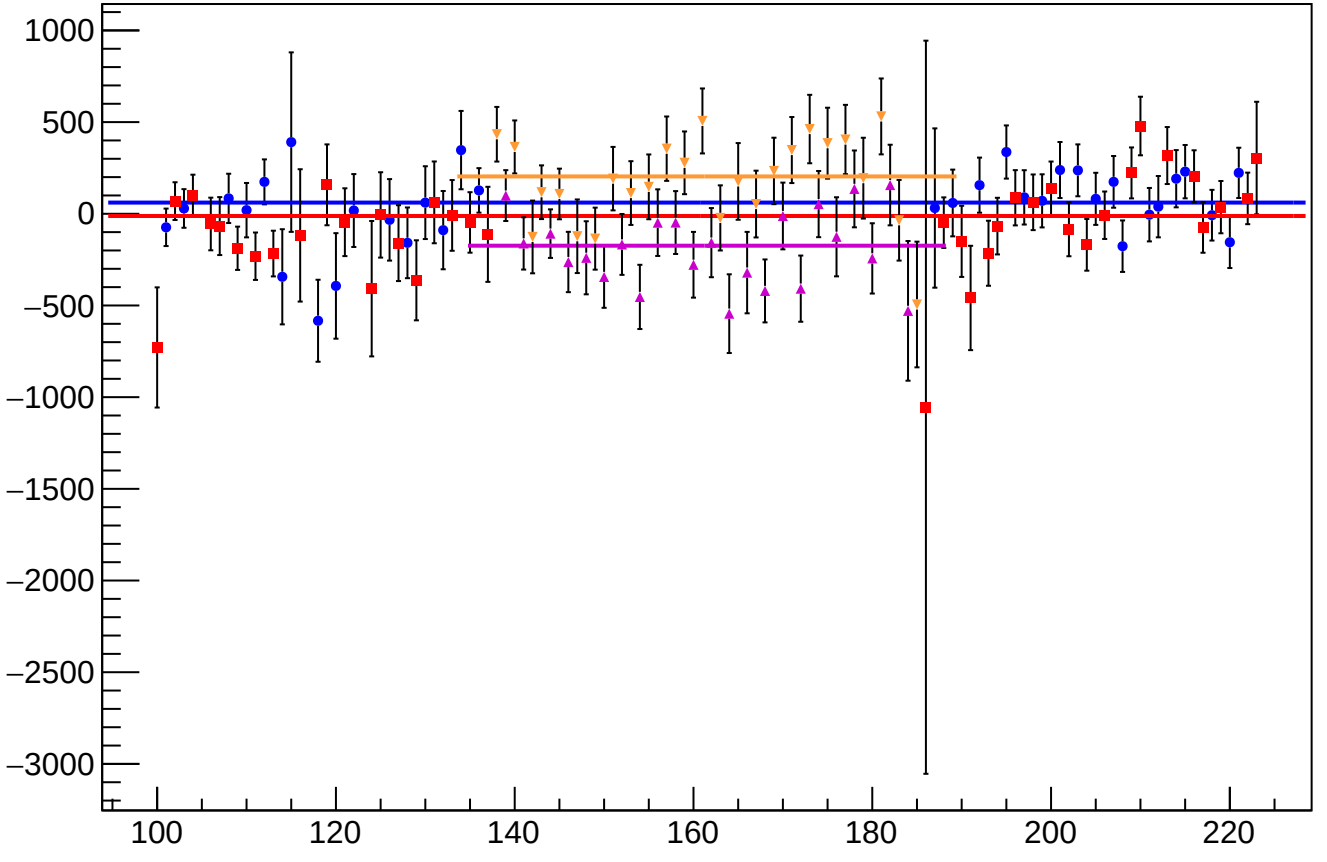
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 898.665+/-0.102 χ^2/NDF: 3777431.3/58

All: 887.533+/-0.071 χ^2/NDF: 8958962.6/120

- sign 876.677+/-0.100 χ^2/NDF: 5157831.6/61

eigen_cor_asym_sam5_mean vs Slug



Right In: 61.140+/-26.674 χ^2/NDF: 37.4/33

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -11.940+/-25.853 χ^2/NDF: 48.7/38

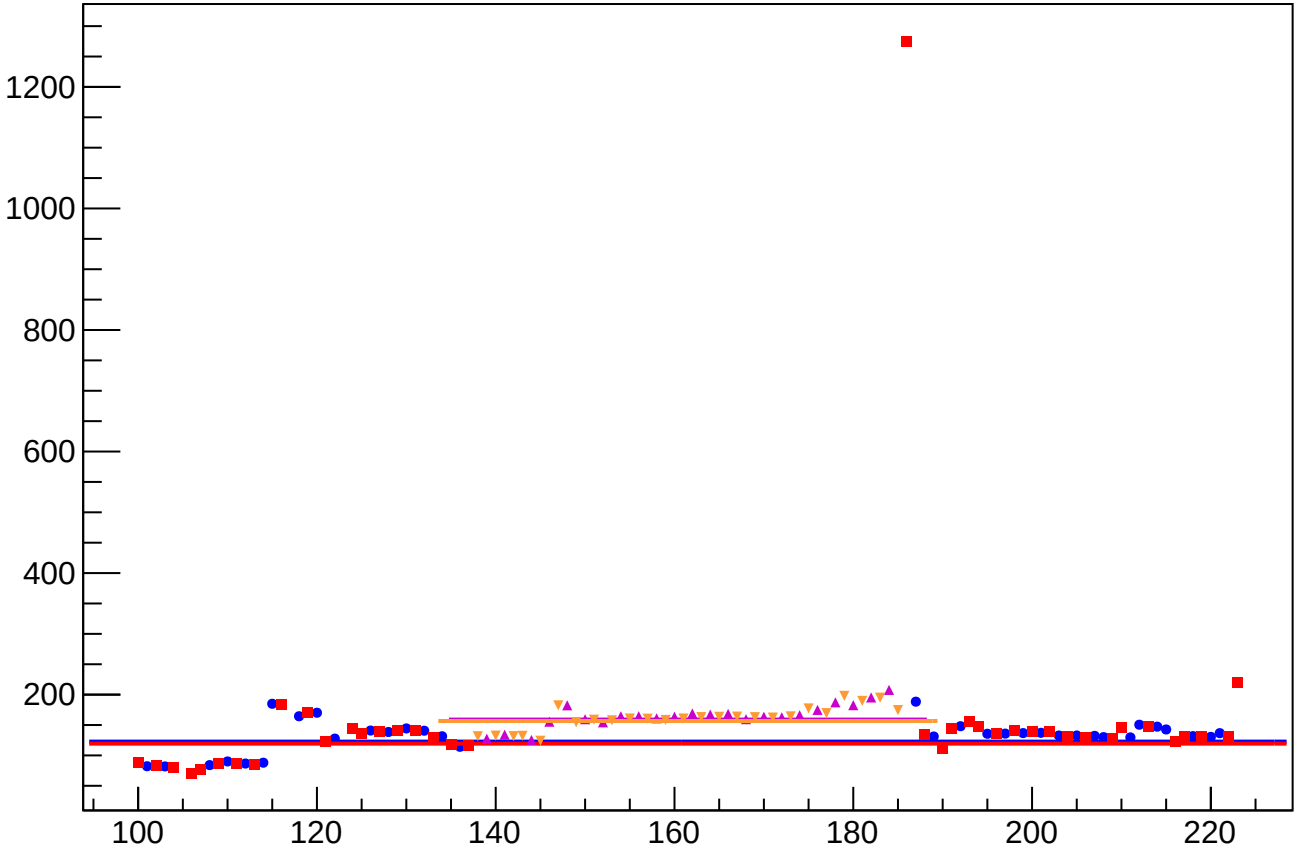
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 111.912+/-21.406 χ^2/NDF: 80.4/58

All: 23.222+/-15.087 χ^2/NDF: 200.4/120

- sign -64.323+/-21.267 χ^2/NDF: 85.9/61

eigen_cor_asym_sam5_rms vs Slug



Right In: 122.705+/-0.019 χ^2/NDF: 1714733.0/33

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 119.375+/-0.018 χ^2/NDF: 2999904.5/38

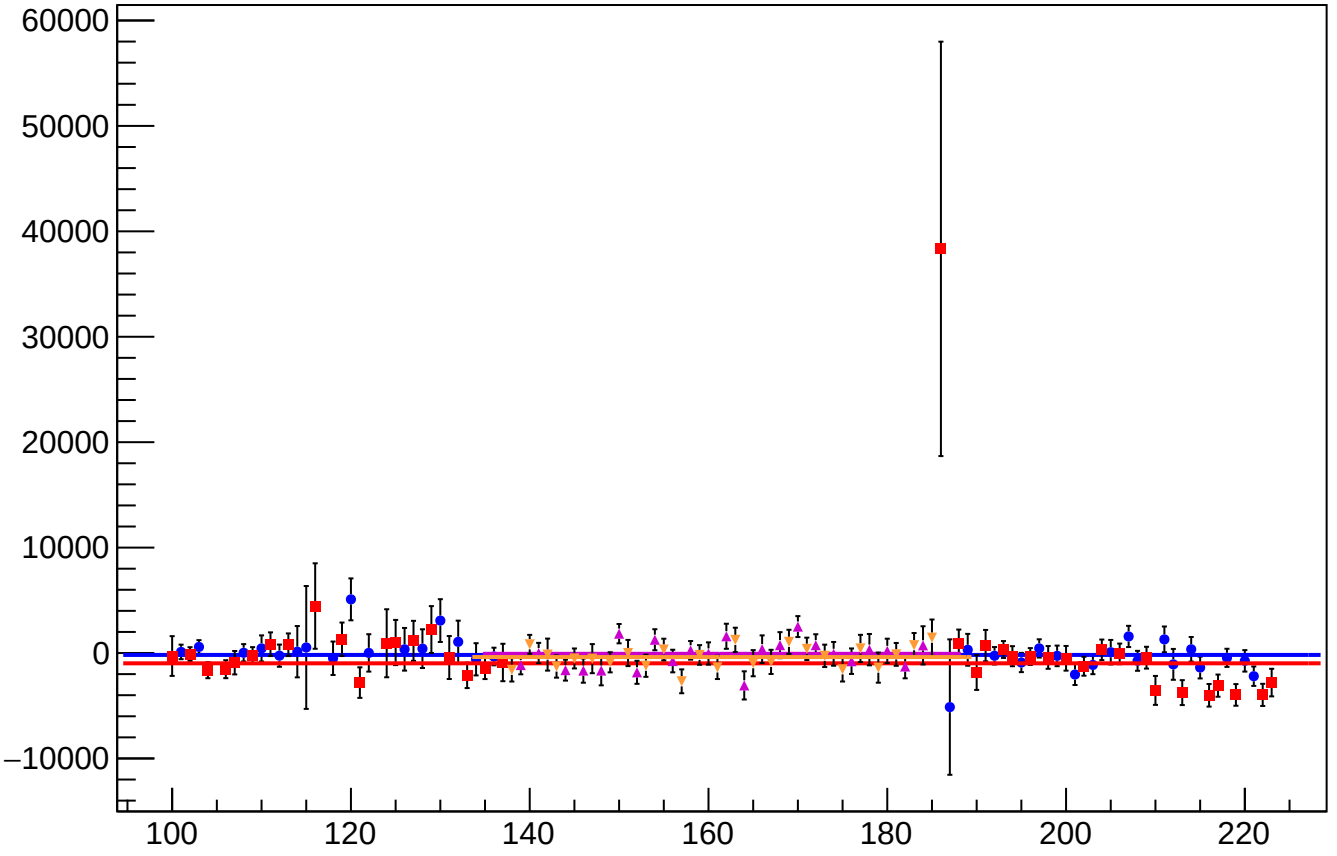
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.784+/-0.015 χ^2/NDF: 3449342.6/58

All: 133.468+/-0.011 χ^2/NDF: 8490783.0/120

- sign 132.169+/-0.015 χ^2/NDF: 5026413.4/61

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -179.957+/-187.041 χ^2/NDF: 30.8/33

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -975.785+/-180.465 χ^2/NDF: 75.1/38

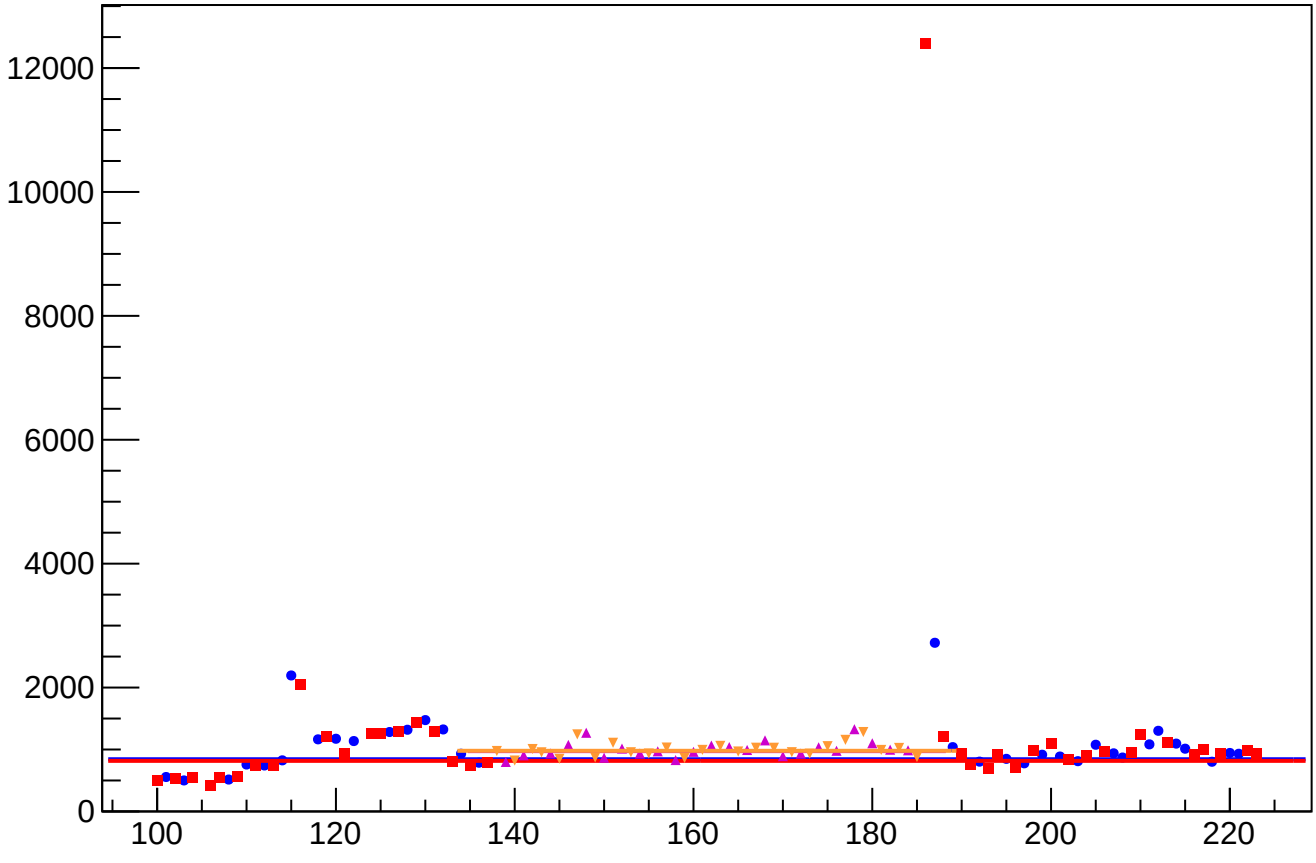
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -262.174+/-143.716 χ^2/NDF: 50.0/58

All: -449.369+/-100.984 χ^2/NDF: 171.0/120

- sign -631.933+/-141.928 χ^2/NDF: 117.7/61

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 842.851+/-0.132 χ^2/NDF: 2912857.3/33

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 816.763+/-0.128 χ^2/NDF: 4081351.3/38

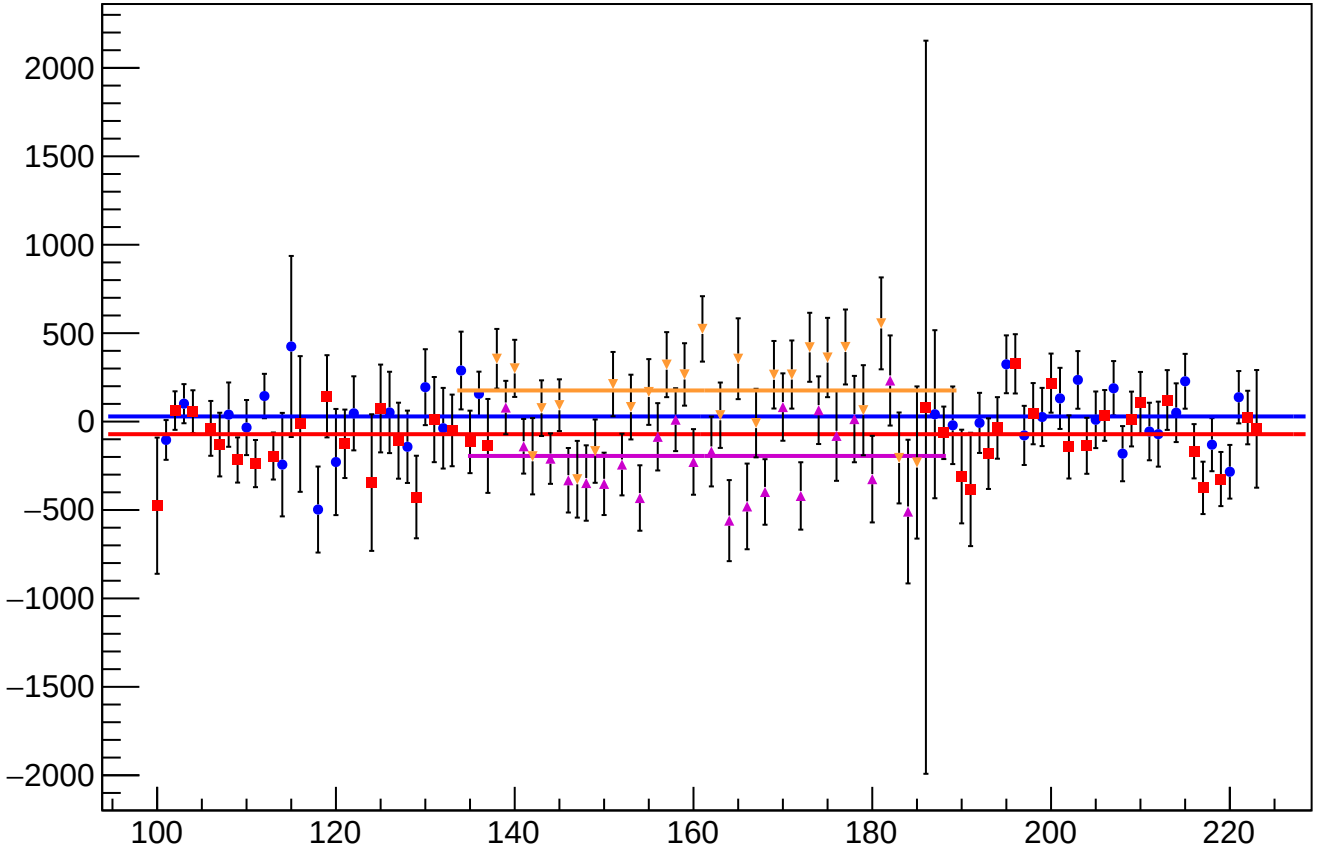
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 898.665+/-0.102 χ^2/NDF: 3777431.3/58

All: 887.533+/-0.071 χ^2/NDF: 8958962.6/120

- sign 876.677+/-0.100 χ^2/NDF: 5157831.6/61

dit_asym_sam5_mean vs Slug



Right In: 29.074+/-29.209 χ^2/NDF: 30.3/33

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -71.279+/-28.243 χ^2/NDF: 34.4/38

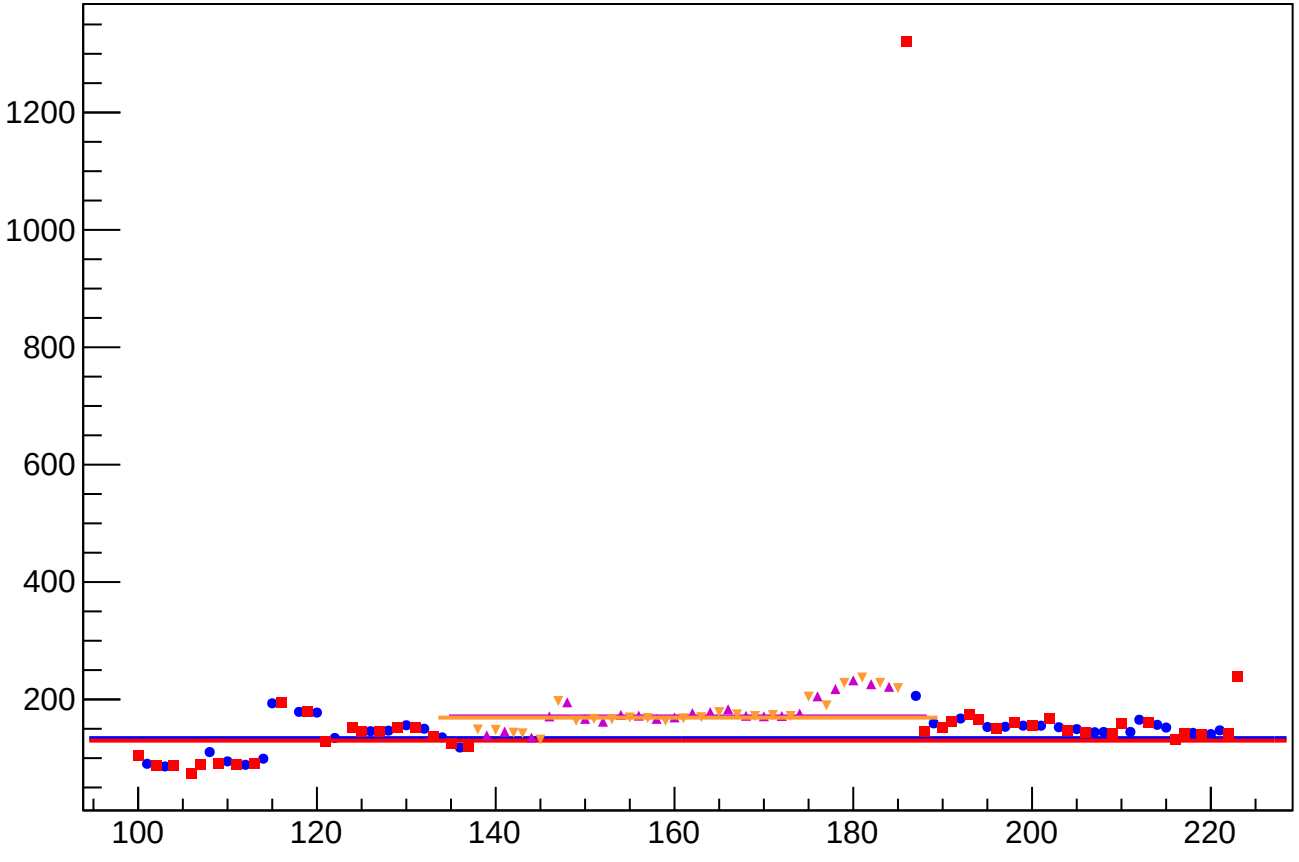
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 82.158+/-23.344 χ^2/NDF: 70.2/58

All: -15.599+/-16.436 χ^2/NDF: 169.5/120

- sign -111.694+/-23.144 χ^2/NDF: 64.5/61

dit_asym_sam5_rms vs Slug



Right In: 134.073+/-0.021 χ^2/NDF: 1836906.7/33

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 129.822+/-0.020 χ^2/NDF: 3254297.2/38

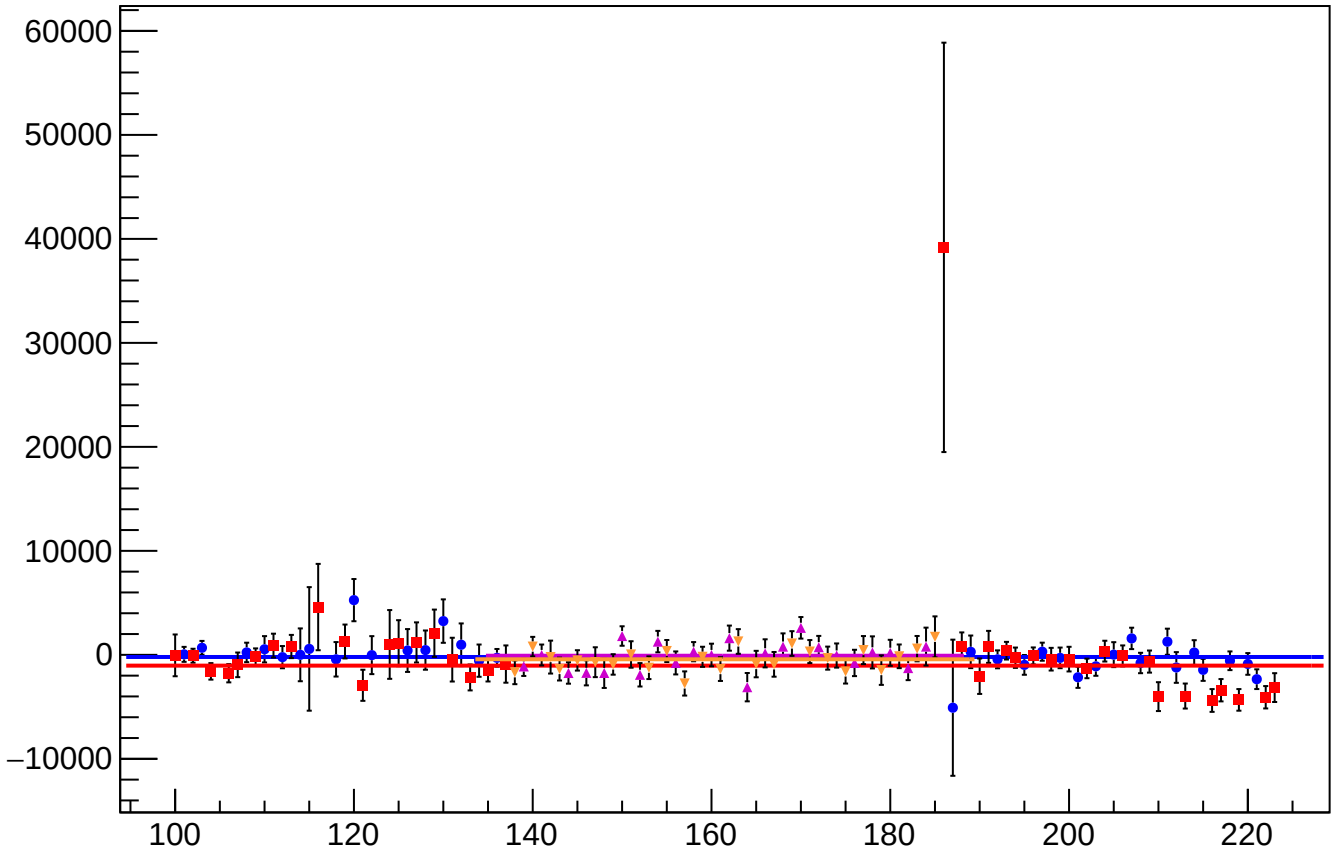
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.694+/-0.017 χ^2/NDF: 3644543.4/58

All: 145.010+/-0.012 χ^2/NDF: 8995493.5/120

- sign 143.354+/-0.016 χ^2/NDF: 5330295.7/61

asym_sam5_dit_correction_mean vs Slug



Right In: -206.346+/-193.302 χ^2/NDF: 31.8/33

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -1037.641+/-185.991 χ^2/NDF: 82.6/38

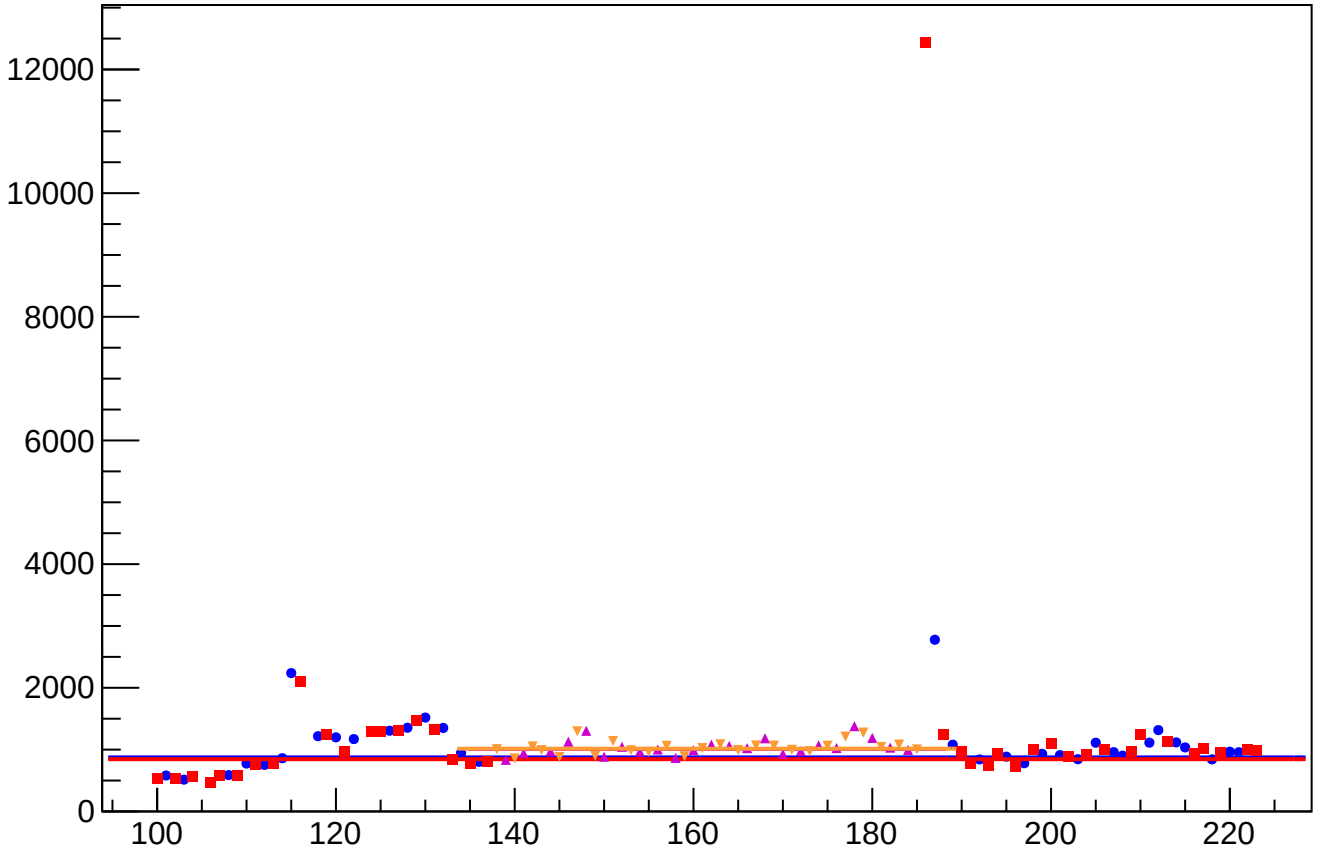
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -296.021+/-148.655 χ^2/NDF: 50.7/58

All: -489.332+/-104.376 χ^2/NDF: 179.0/120

- sign -677.298+/-146.586 χ^2/NDF: 125.0/61

asym_sam5_dit_correction_rms vs Slug



Right In: 873.877+/-0.137 χ^2/NDF: 2725455.0/33

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 845.378+/-0.132 χ^2/NDF: 3868756.5/38

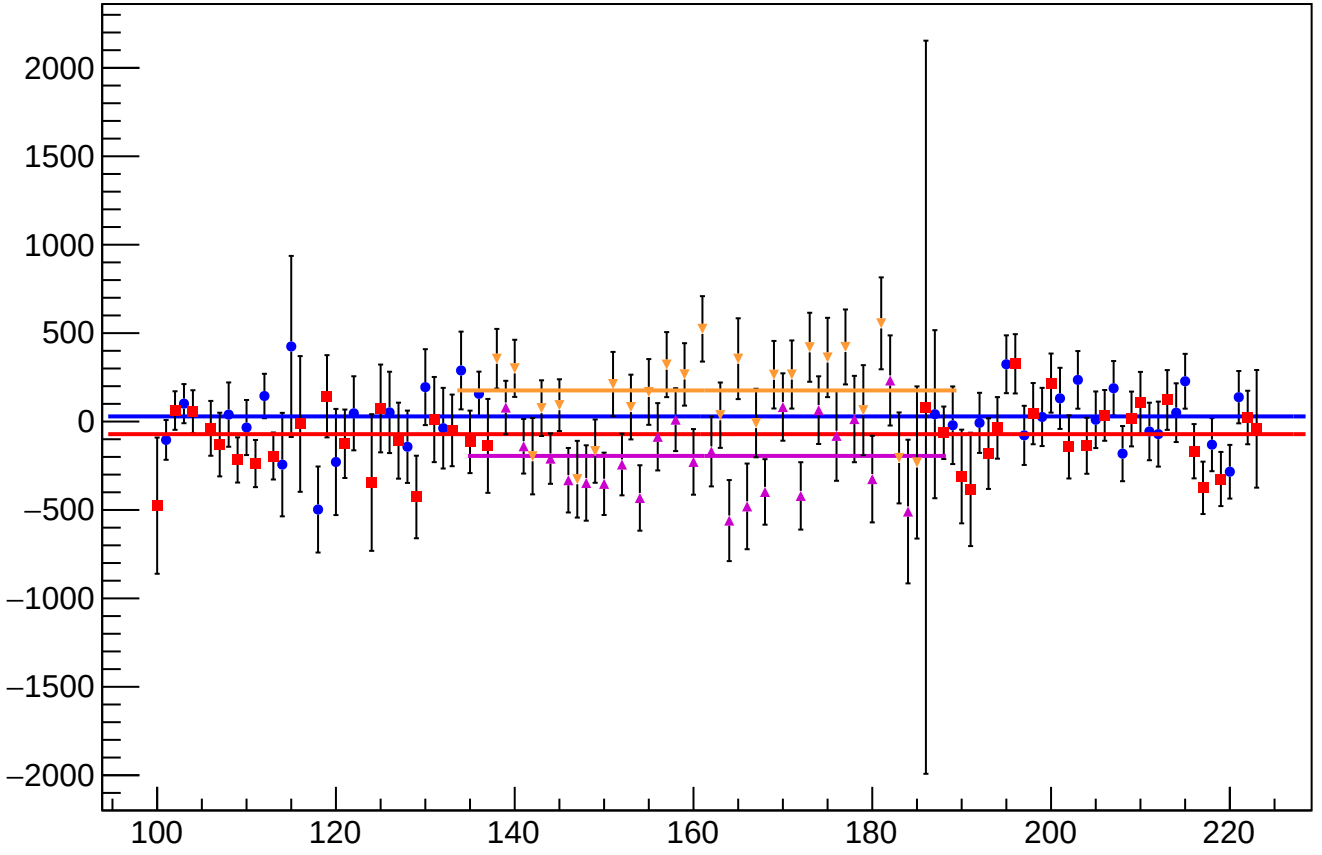
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 931.558+/-0.105 χ^2/NDF: 3559256.5/58

All: 919.421+/-0.074 χ^2/NDF: 8544317.6/120

- sign 907.620+/-0.104 χ^2/NDF: 4958768.1/61

eigen_dit_asym_sam5_mean vs Slug



Right In: 29.075+/-29.209 χ^2/NDF: 30.3/33

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -71.277+/-28.243 χ^2/NDF: 34.4/38

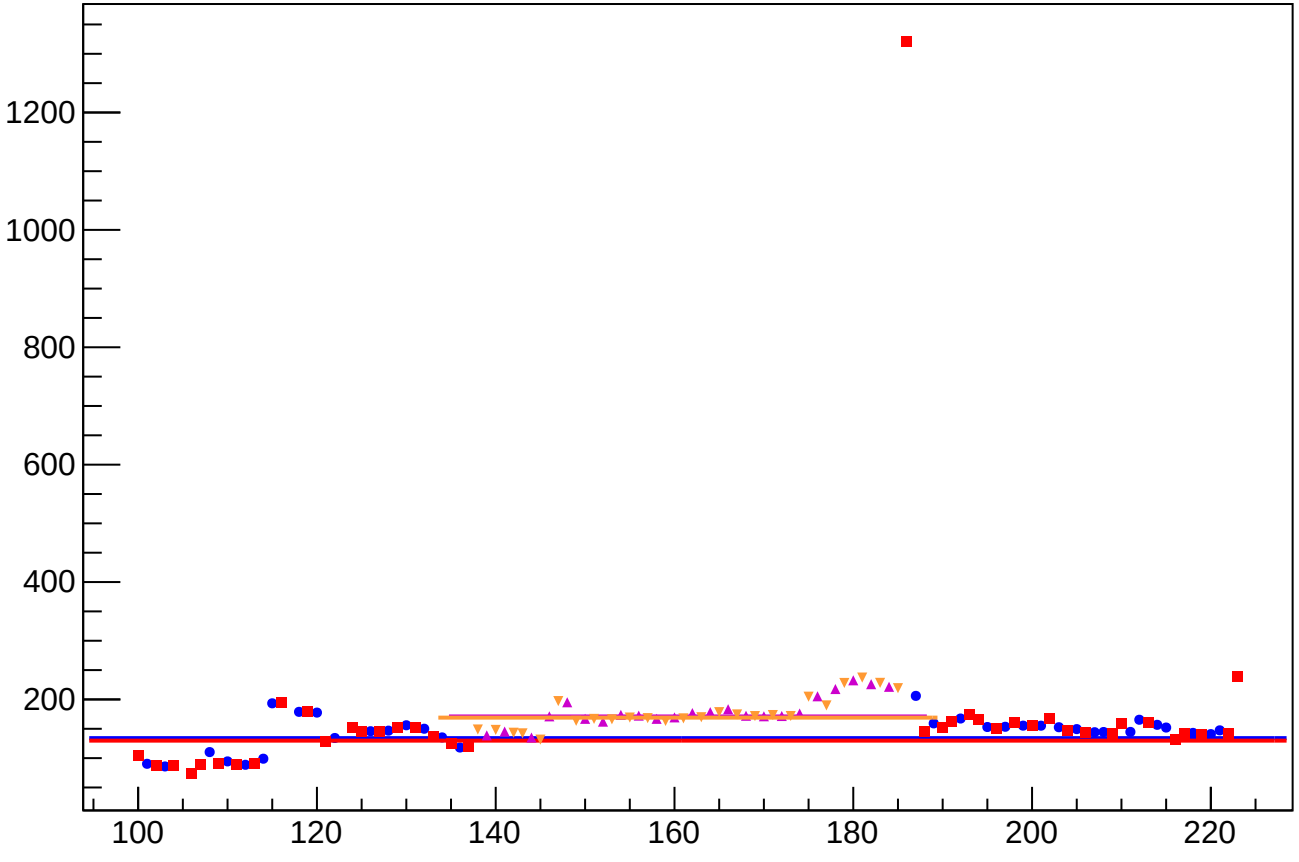
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 82.159+/-23.344 χ^2/NDF: 70.2/58

All: -15.598+/-16.436 χ^2/NDF: 169.5/120

- sign -111.693+/-23.144 χ^2/NDF: 64.5/61

eigen_dit_asym_sam5_rms vs Slug



Right In: 134.073+/-0.021 χ^2/NDF: 1836913.9/33

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

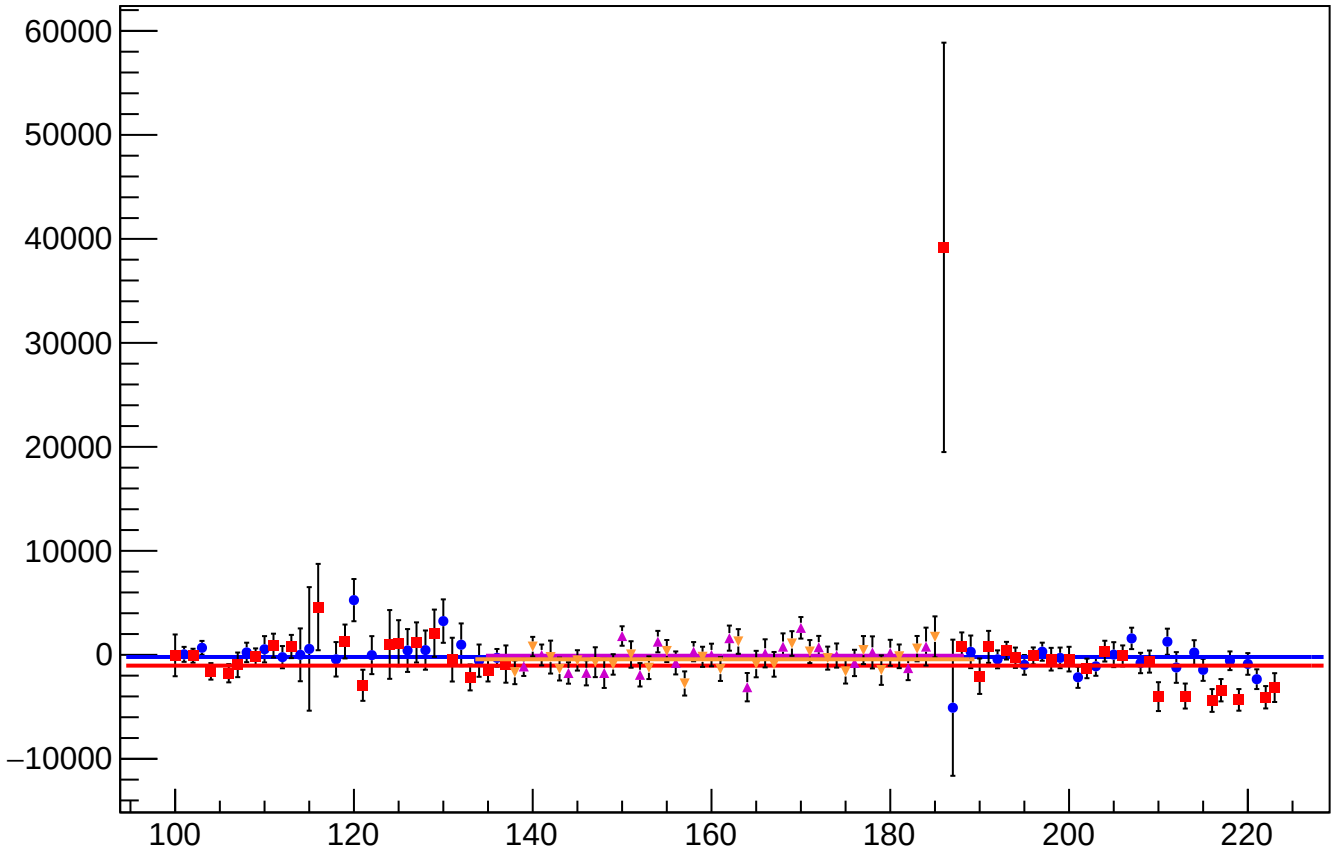
Right Out: 129.821+/-0.020 χ^2/NDF: 3254298.6/38

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.694+/-0.017 χ^2/NDF: 3644561.8/58

All: 145.010+/-0.012 χ^2/NDF: 8995535.7/120

- sign 143.354+/-0.016 χ^2/NDF: 5330320.0/61



Right In: -206.344+/-193.302 χ^2/NDF: 31.8/33

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -1037.642+/-185.991 χ^2/NDF: 82.6/38

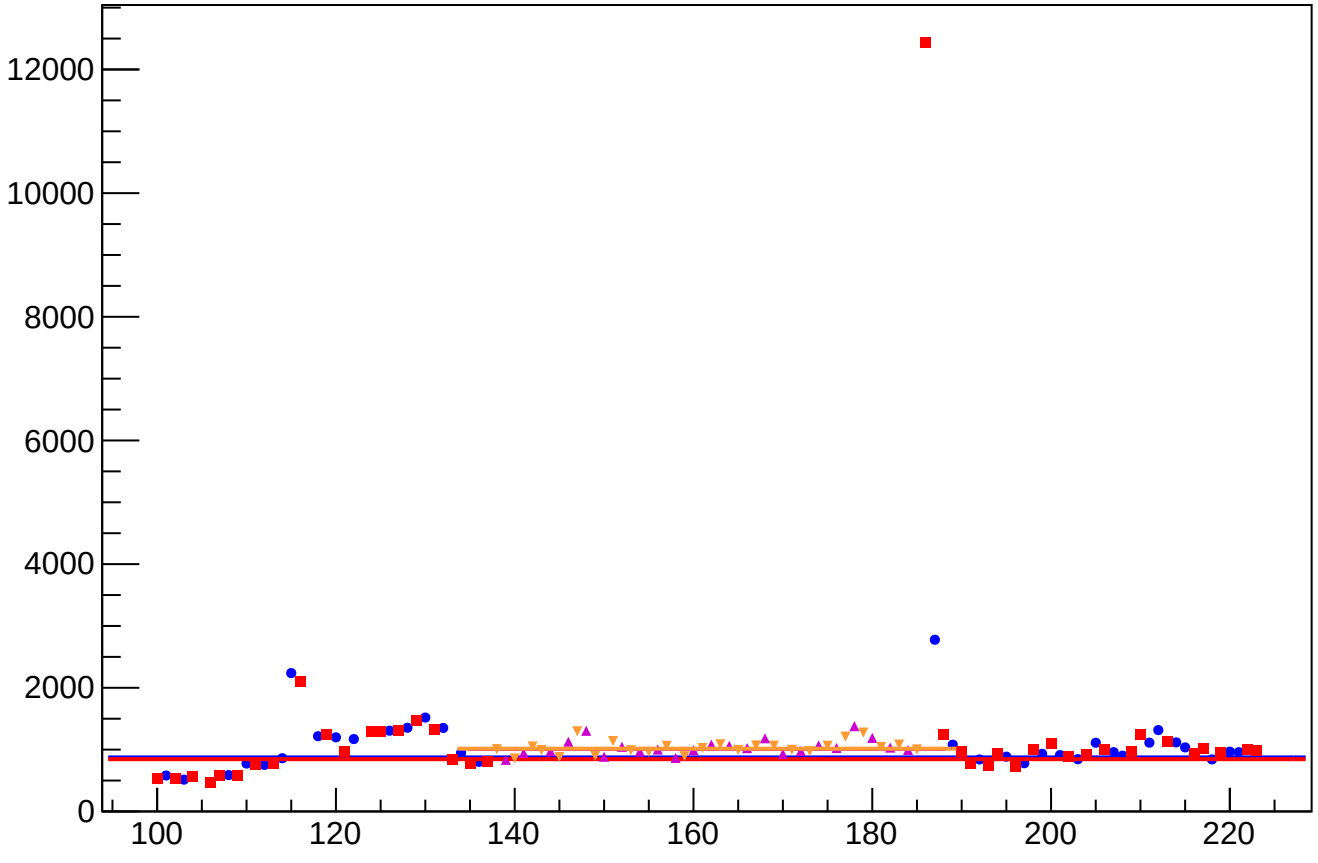
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -296.019+/-148.655 χ^2/NDF: 50.7/58

All: -489.332+/-104.376 χ^2/NDF: 179.0/120

- sign -677.300+/-146.586 χ^2/NDF: 125.0/61

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 873.877+/-0.137 χ^2/NDF: 2725454.3/33

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 845.377+/-0.132 χ^2/NDF: 3868758.5/38

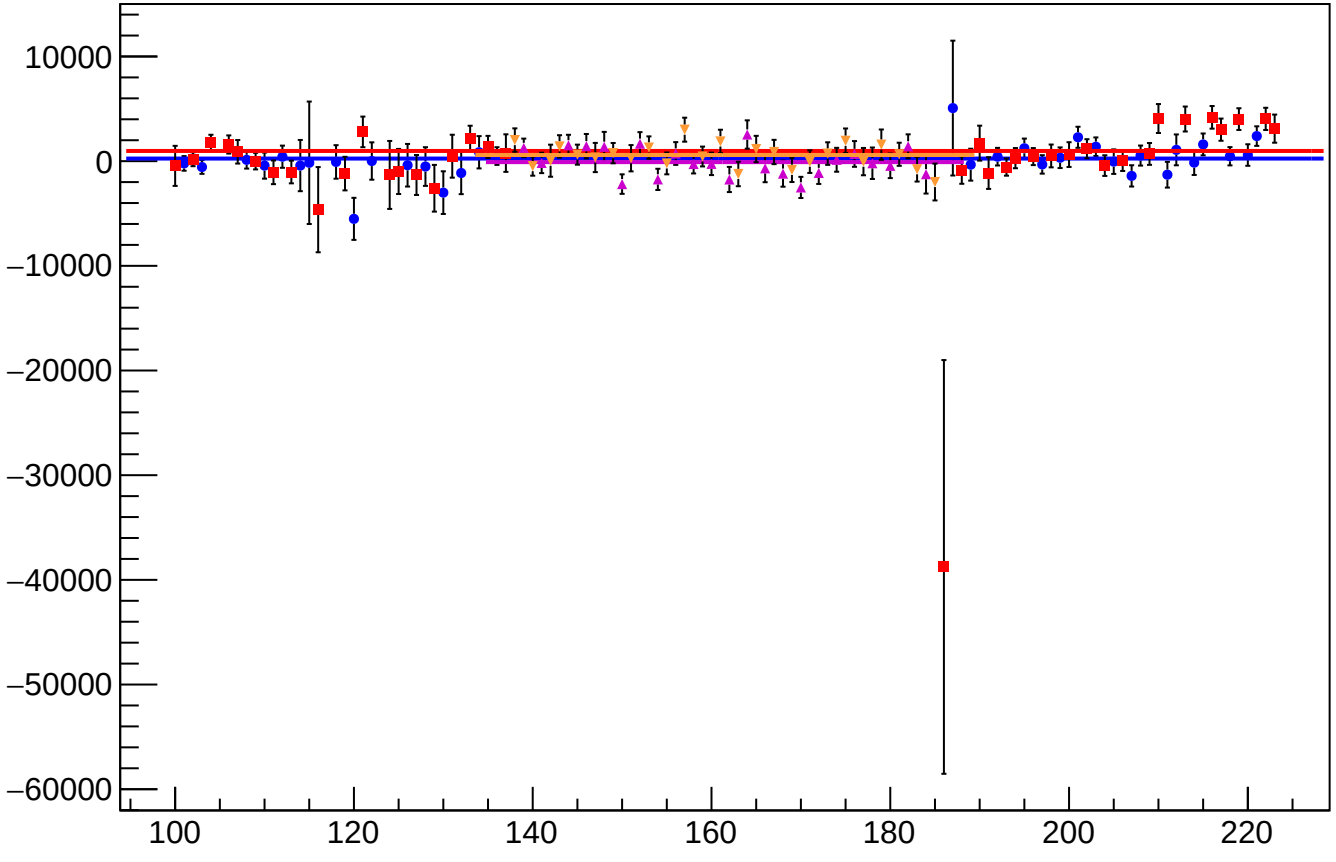
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 931.558+/-0.105 χ^2/NDF: 3559265.2/58

All: 919.421+/-0.074 χ^2/NDF: 8544341.8/120

- sign 907.620+/-0.104 χ^2/NDF: 4958783.6/61

asym_sam5_mean vs Slug



Right In: 248.324+/-189.252 χ^2/NDF: 34.1/33

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 974.441+/-182.676 χ^2/NDF: 83.0/38

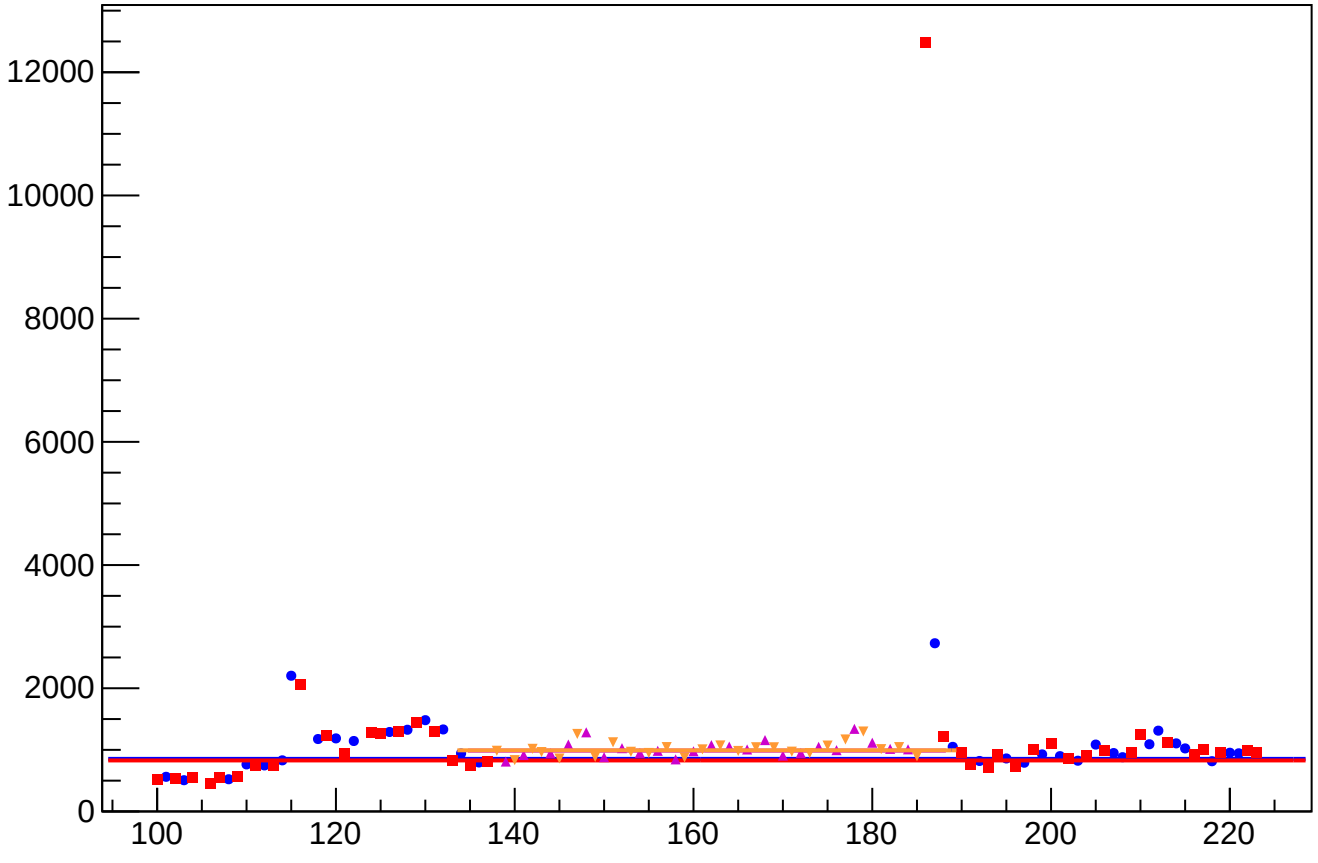
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

\+ sign 386.446+/-145.514 χ^2/NDF: 56.2/58

All: 478.444+/-102.270 χ^2/NDF: 187.5/120

\- sign 568.244+/-143.765 χ^2/NDF: 130.6/61

asym_sam5_rms vs Slug



Right In: 853.427+/-0.134 χ^2/NDF: 2875190.2/33

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

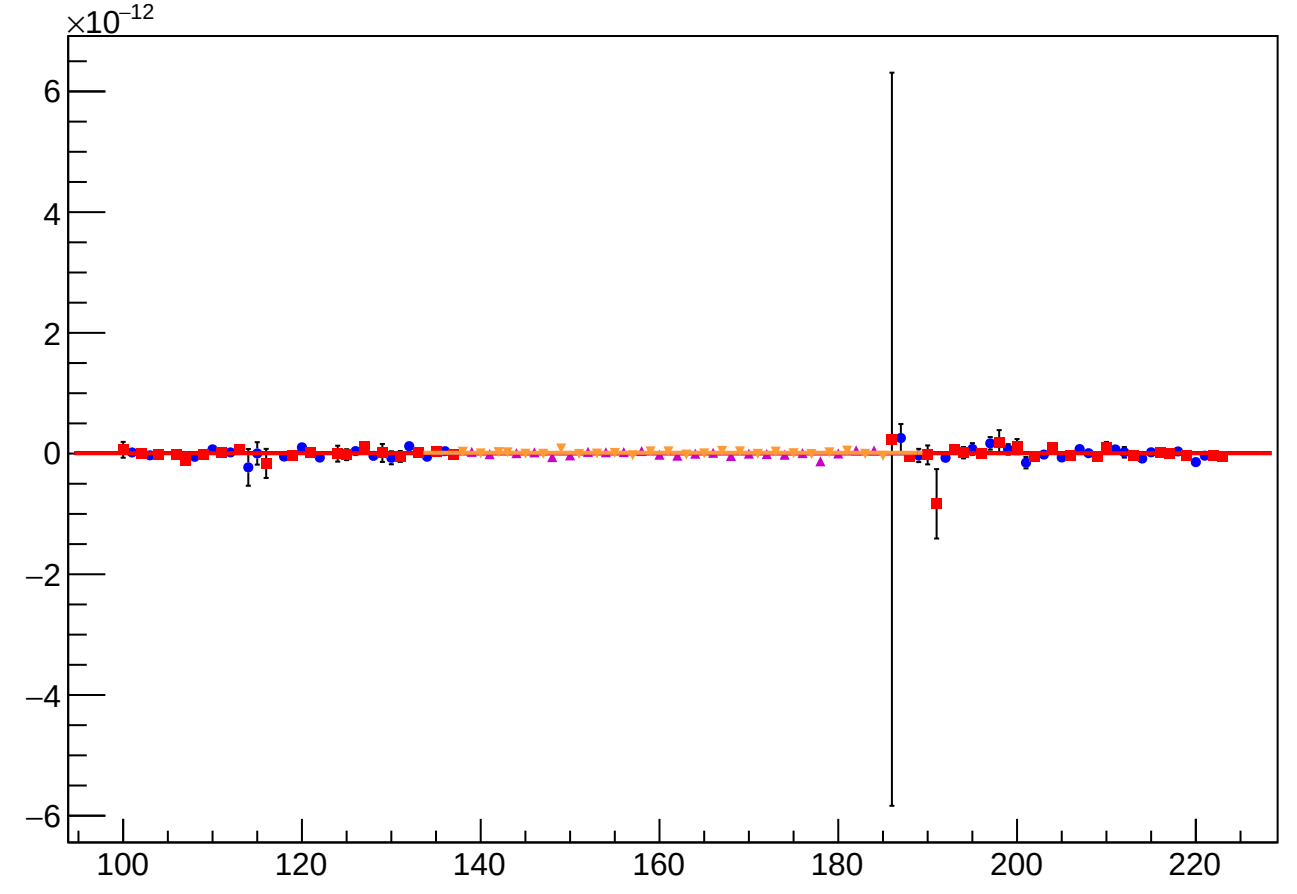
Right Out: 828.360+/-0.129 χ^2/NDF: 3993561.8/38

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 910.301+/-0.103 χ^2/NDF: 3741929.5/58

All: 899.544+/-0.072 χ^2/NDF: 8824647.7/120

- sign 889.044+/-0.102 χ^2/NDF: 5061119.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

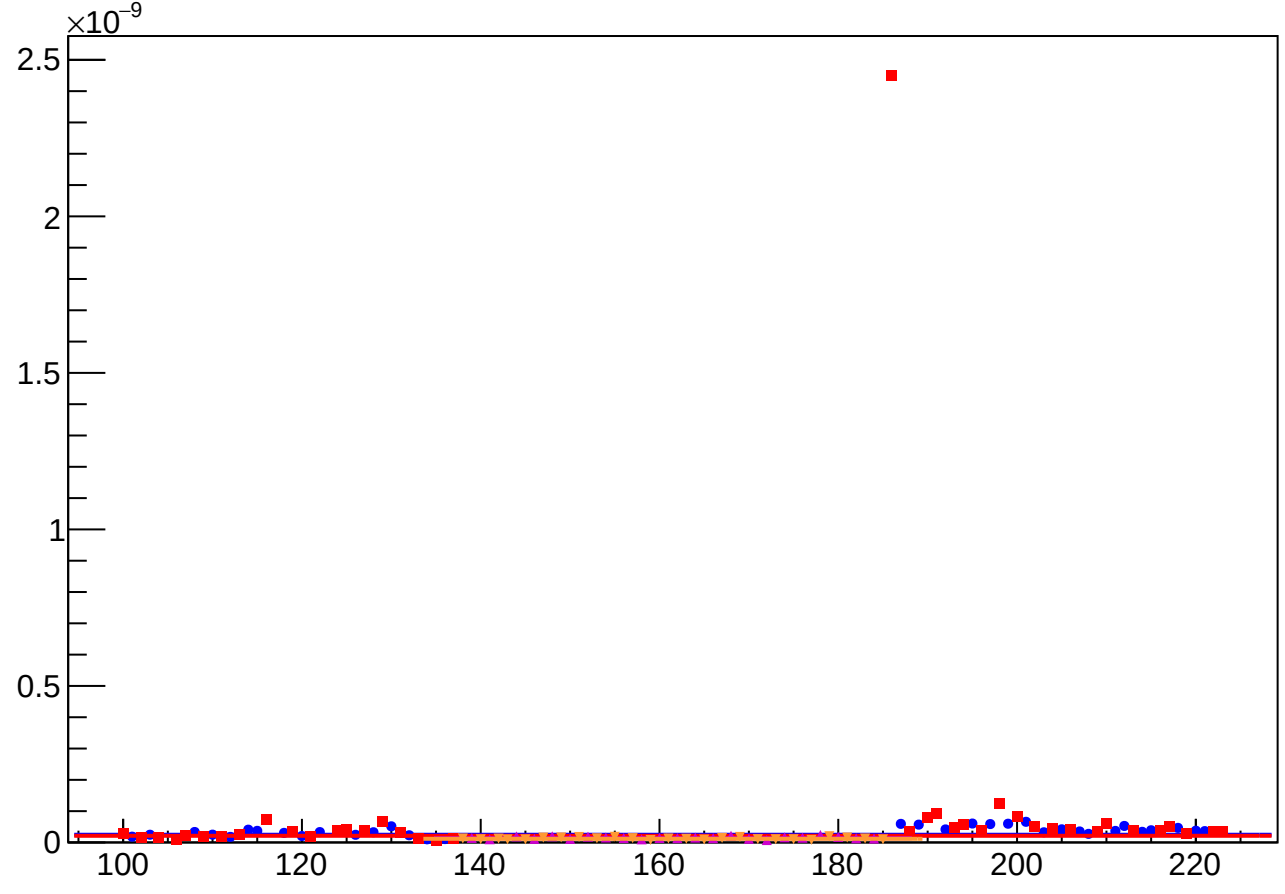
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/38

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

+ sign 0.000+/-0.000 χ^2/NDF: 64.8/58

All: 0.000+/-0.000 χ^2/NDF: 121.5/120

- sign 0.000+/-0.000 χ^2/NDF: 54.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 4700923.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7295943.5/38

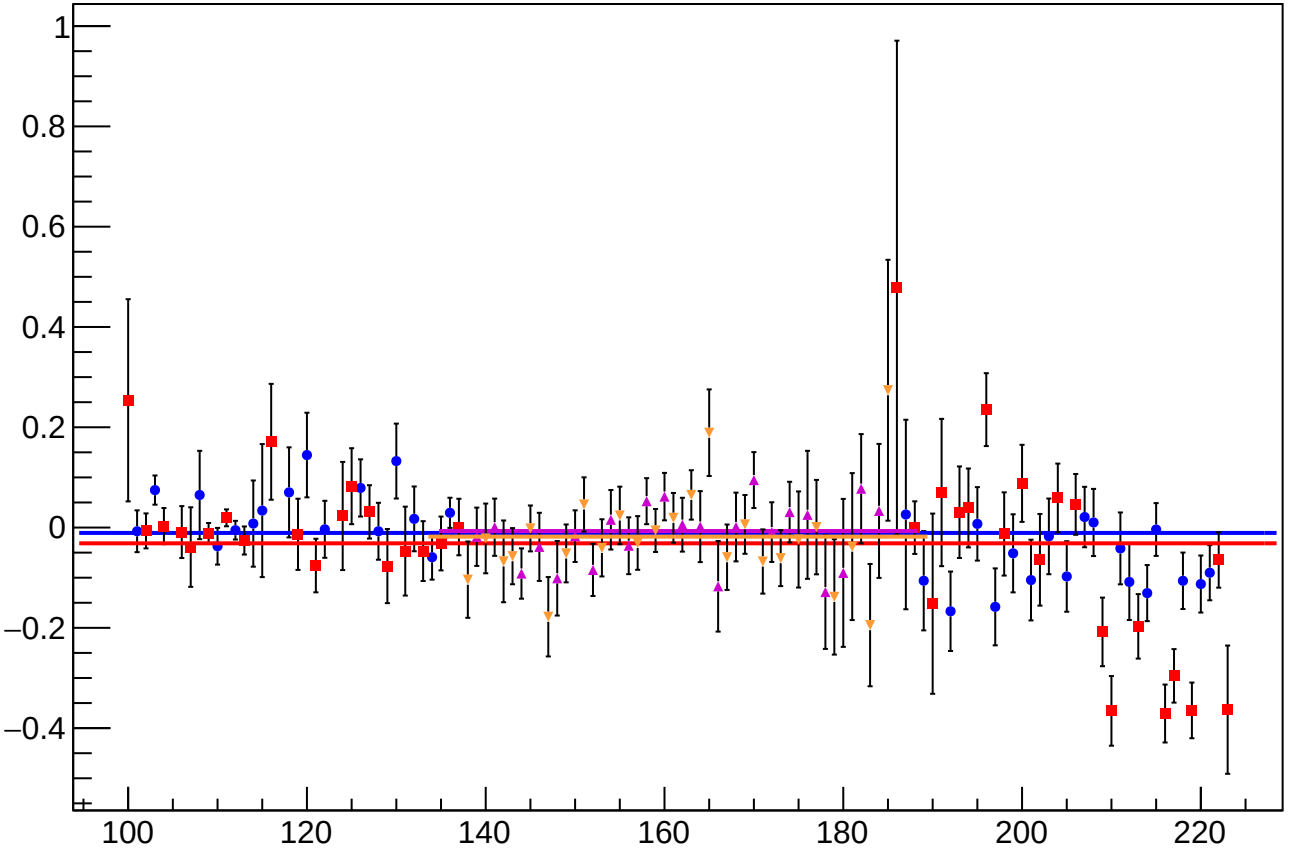
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8821062.6/58

All: 0.000+/-0.000 χ^2/NDF: 18371850.2/120

- sign 0.000+/-0.000 χ^2/NDF: 9456733.8/61

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.009 χ^2/NDF: 50.4/33

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.031+/-0.008 χ^2/NDF: 183.9/38

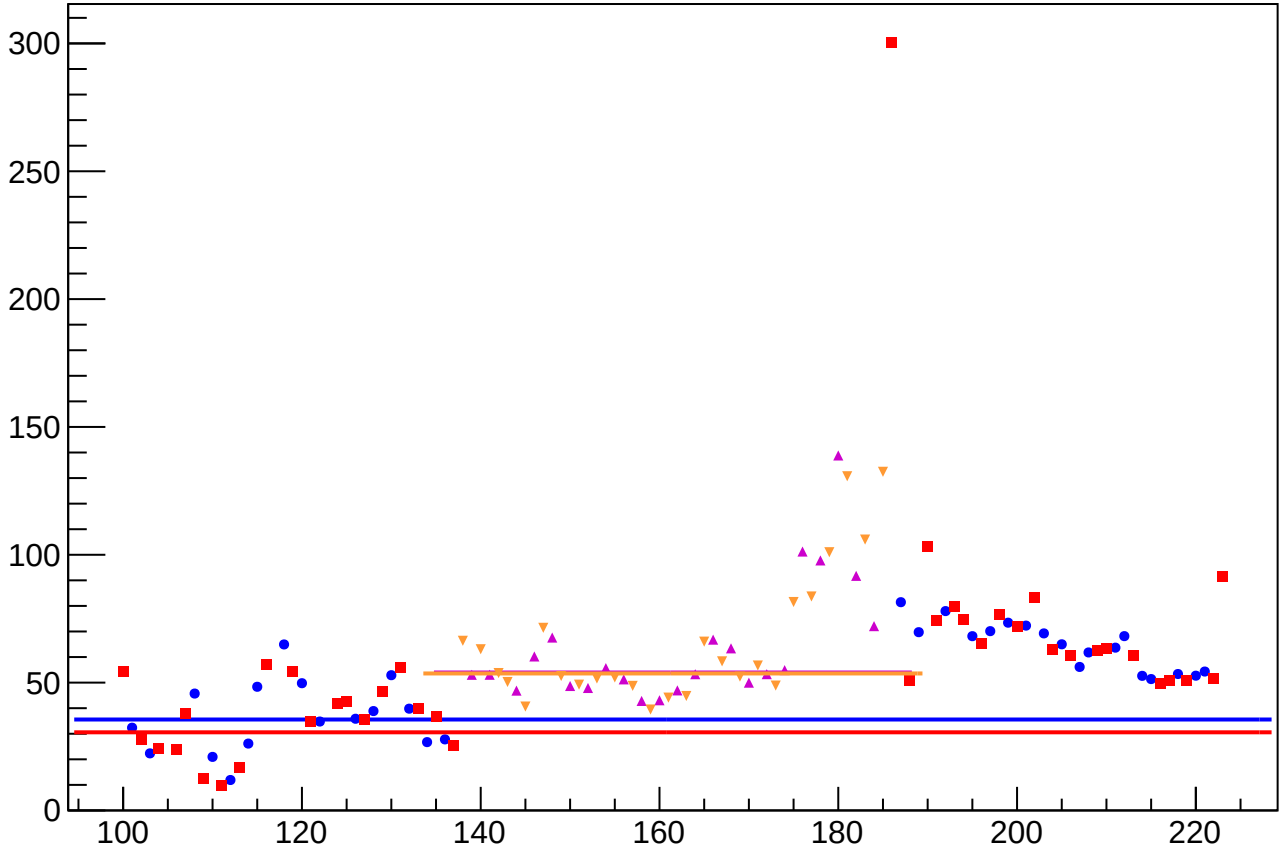
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.013+/-0.007 χ^2/NDF: 75.0/58

All: -0.019+/-0.005 χ^2/NDF: 281.5/120

- sign -0.025+/-0.007 χ^2/NDF: 205.1/61

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 35.572+/-0.006 χ^2/NDF: 10212685.9/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 30.563+/-0.006 χ^2/NDF: 14679219.5/38

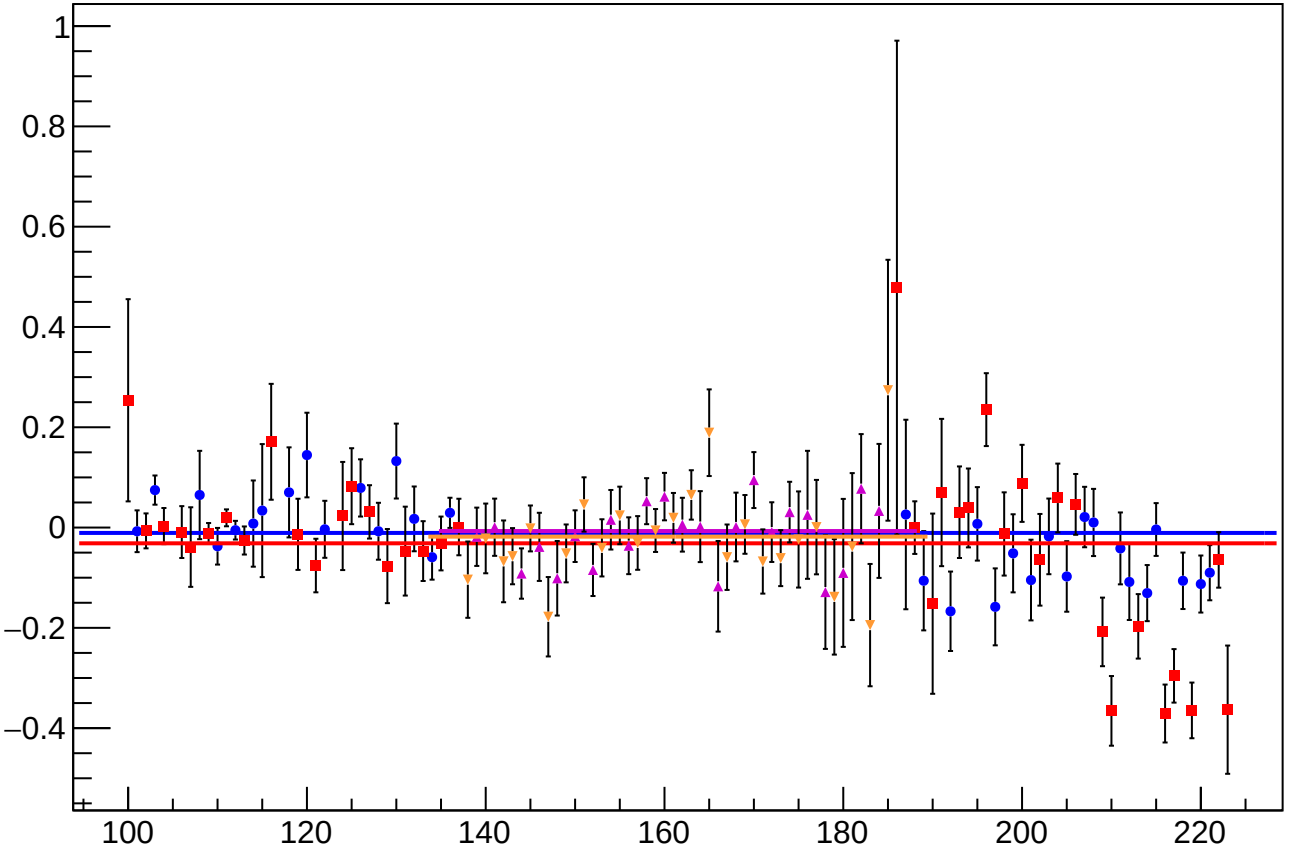
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 41.397+/-0.005 χ^2/NDF: 15533806.4/58

All: 38.987+/-0.004 χ^2/NDF: 37263366.4/120

- sign 36.858+/-0.005 χ^2/NDF: 21316884.1/61

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011+/-0.009 χ^2/NDF: 50.4/33

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.031+/-0.008 χ^2/NDF: 183.9/38

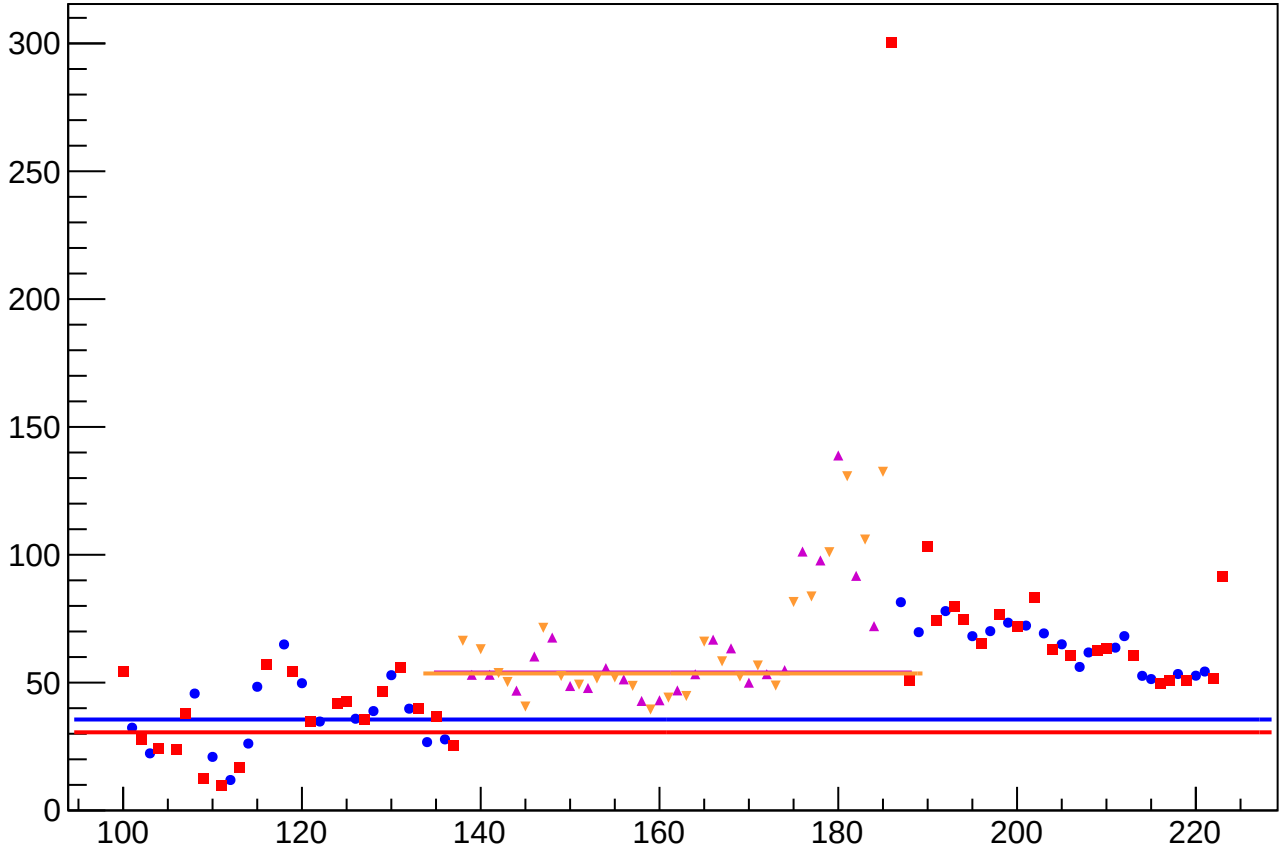
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.013+/-0.007 χ^2/NDF: 75.0/58

All: -0.019+/-0.005 χ^2/NDF: 281.5/120

- sign -0.025+/-0.007 χ^2/NDF: 205.1/61

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.572+/-0.006 χ^2/NDF: 10212685.9/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

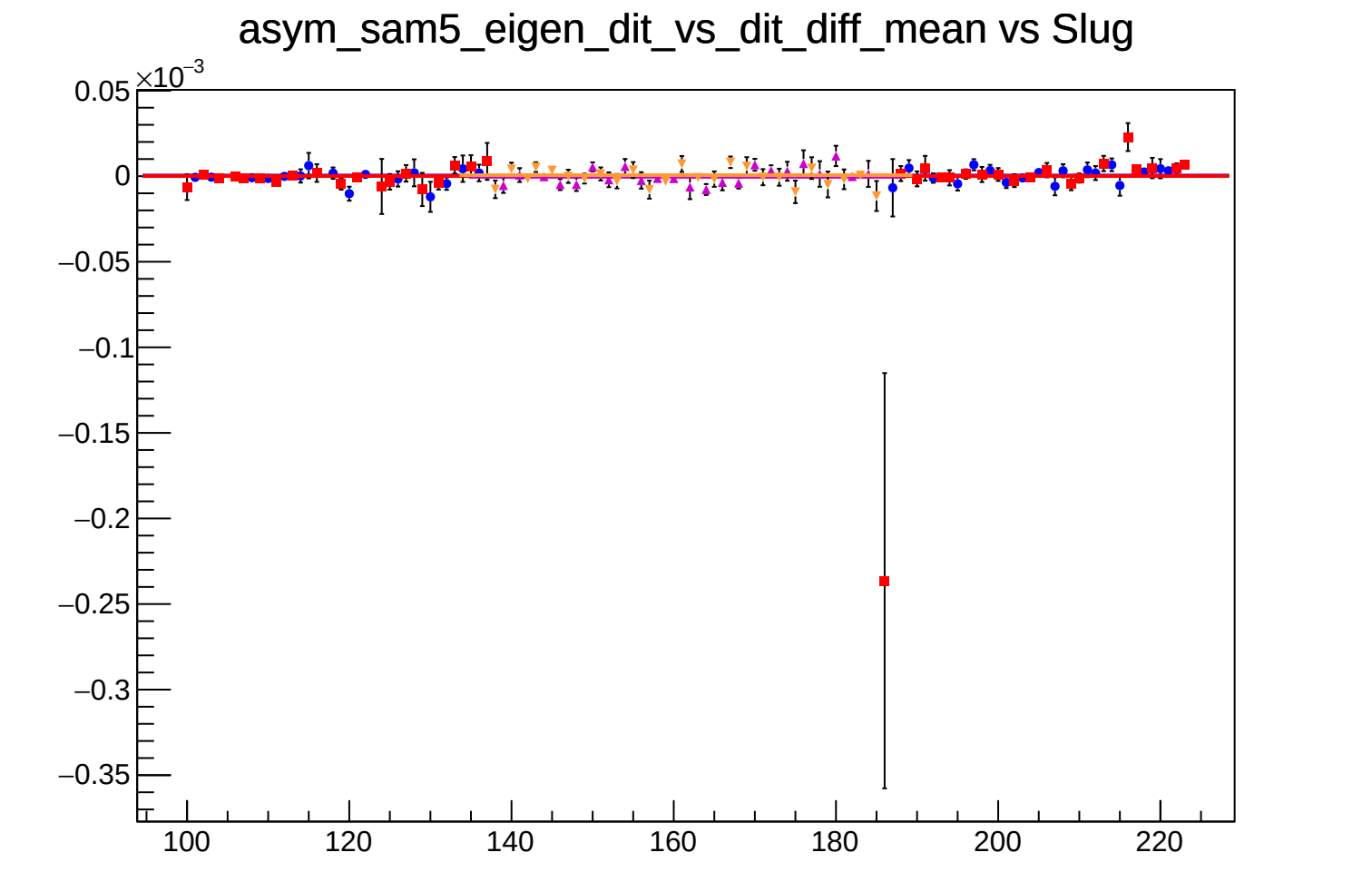
Right Out: 30.563+/-0.006 χ^2/NDF: 14679219.5/38

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 41.397+/-0.005 χ^2/NDF: 15533806.4/58

All: 38.987+/-0.004 χ^2/NDF: 37263366.4/120

- sign 36.858+/-0.005 χ^2/NDF: 21316884.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 48.7/38

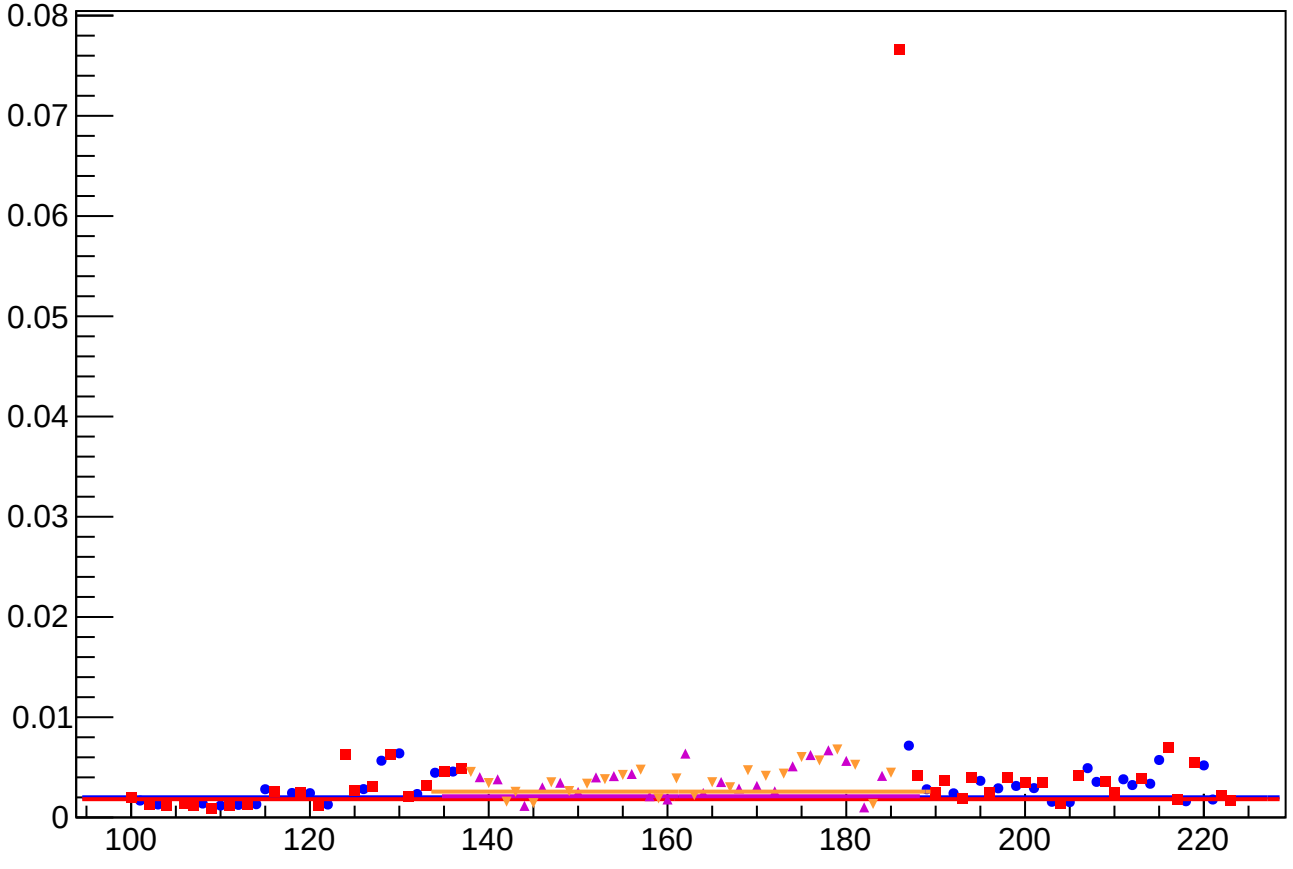
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.4/58

All: 0.000+/-0.000 χ^2/NDF: 146.5/120

- sign -0.000+/-0.000 χ^2/NDF: 80.0/61

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8143283.6/33

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10644949.3/38

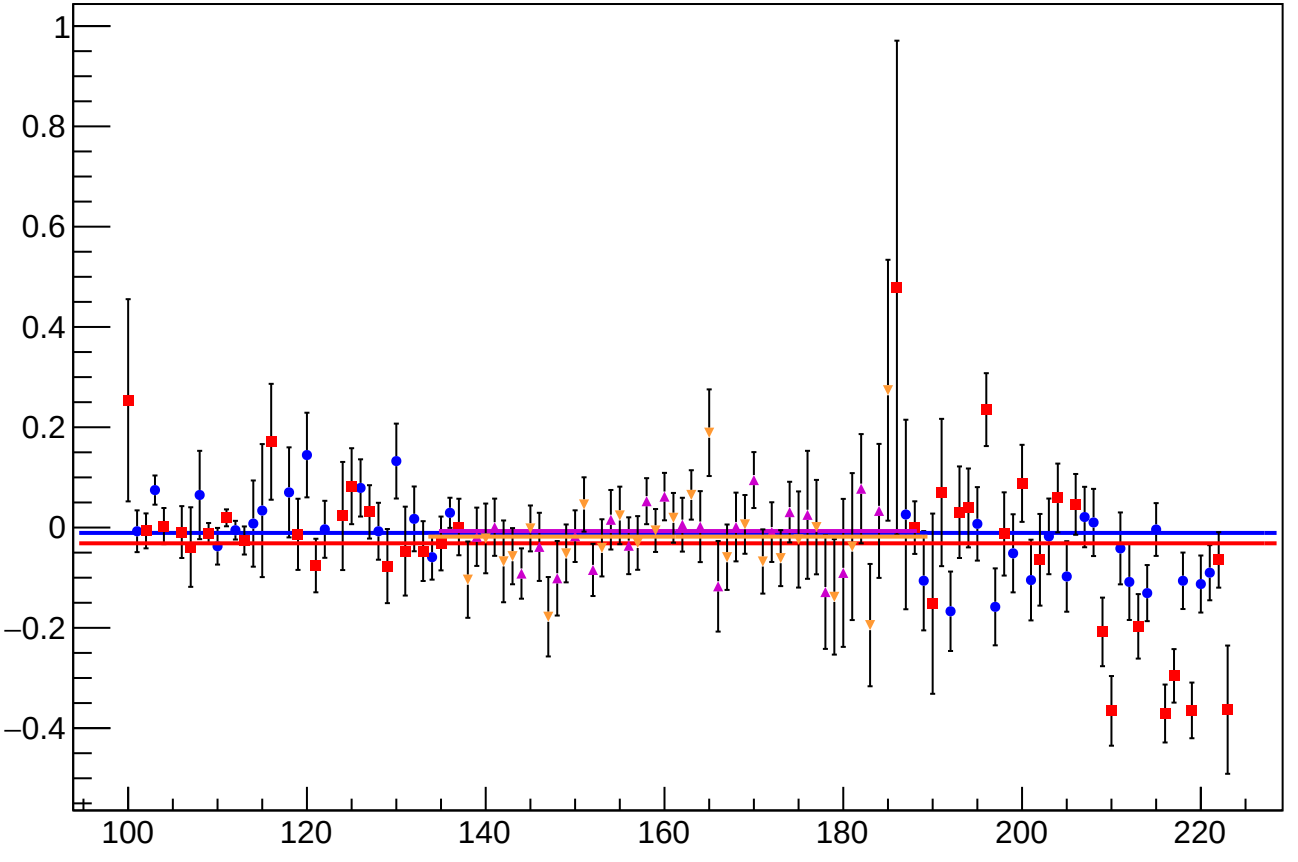
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 16192333.4/58

All: 0.002+/-0.000 χ^2/NDF: 37194569.6/120

- sign 0.002+/-0.000 χ^2/NDF: 20443262.7/61

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.009 χ^2/NDF: 50.4/33

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.031+/-0.008 χ^2/NDF: 183.9/38

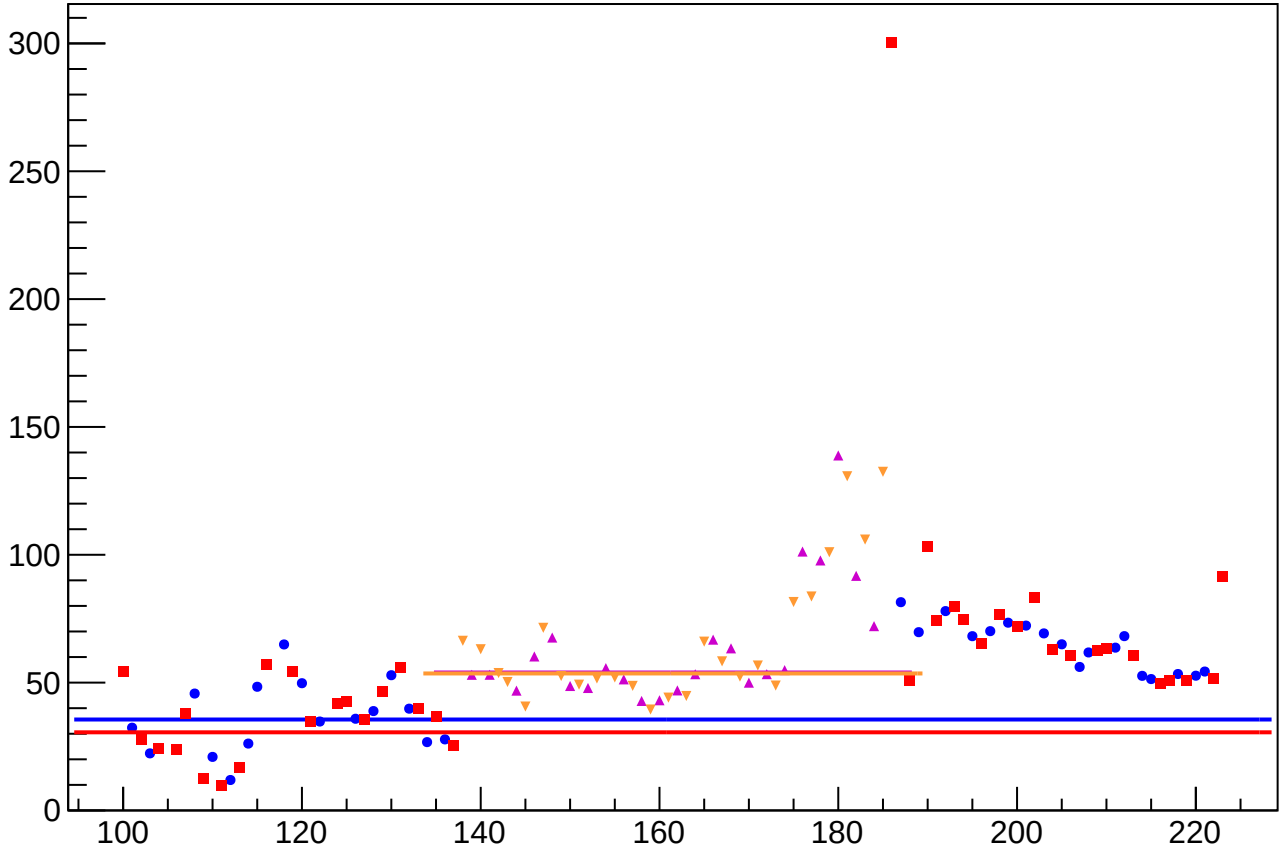
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.013+/-0.007 χ^2/NDF: 75.0/58

All: -0.019+/-0.005 χ^2/NDF: 281.5/120

- sign -0.025+/-0.007 χ^2/NDF: 205.1/61

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.571+/-0.006 χ^2/NDF: 10212843.0/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

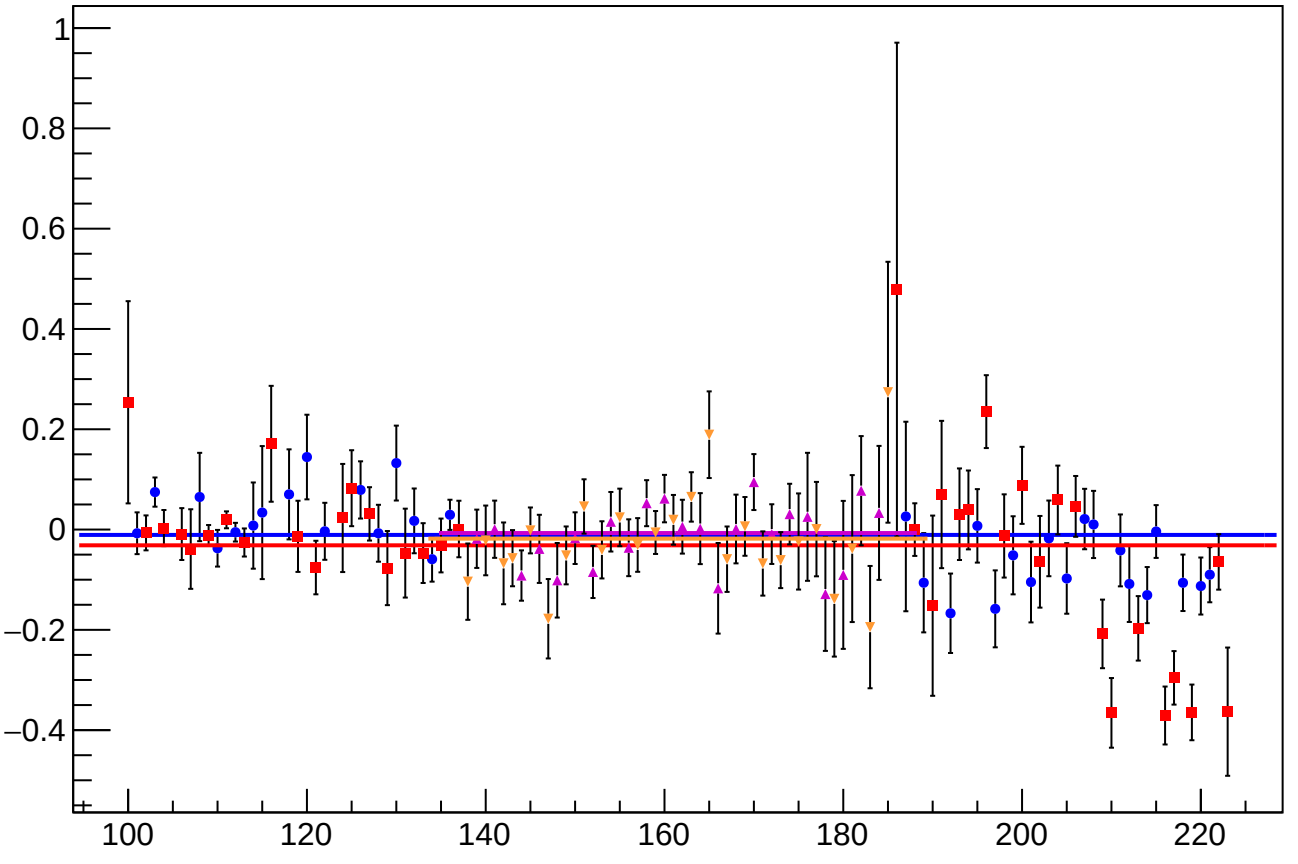
Right Out: 30.562+/-0.006 χ^2/NDF: 14679455.2/38

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 41.396+/-0.005 χ^2/NDF: 15534313.6/58

All: 38.987+/-0.004 χ^2/NDF: 37264612.1/120

- sign 36.857+/-0.005 χ^2/NDF: 21317586.3/61



Right In: -0.011+/-0.009 χ^2/NDF: 50.4/33

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.031+/-0.008 χ^2/NDF: 183.9/38

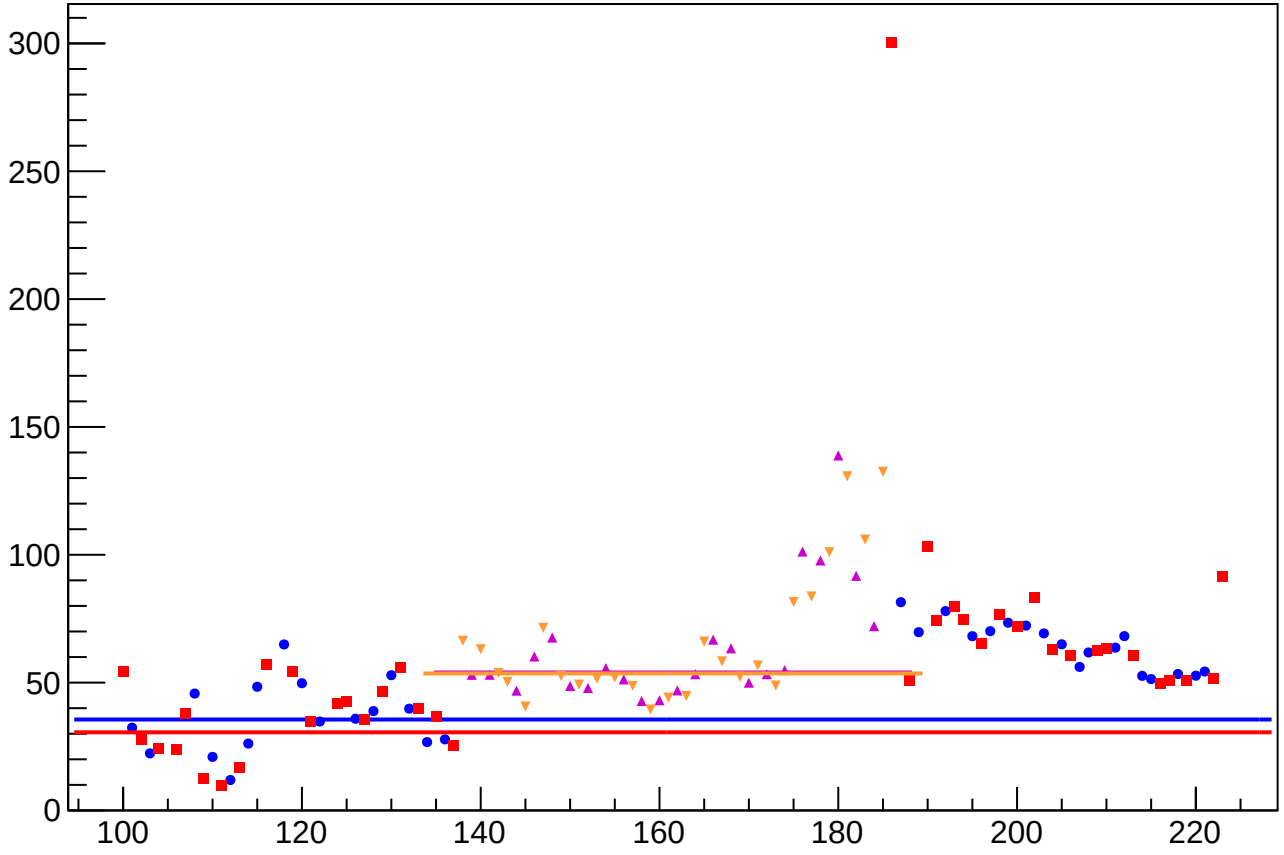
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.013+/-0.007 χ^2/NDF: 75.0/58

All: -0.019+/-0.005 χ^2/NDF: 281.5/120

- sign -0.025+/-0.007 χ^2/NDF: 205.1/61

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.571+/-0.006 χ^2/NDF: 10212843.0/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

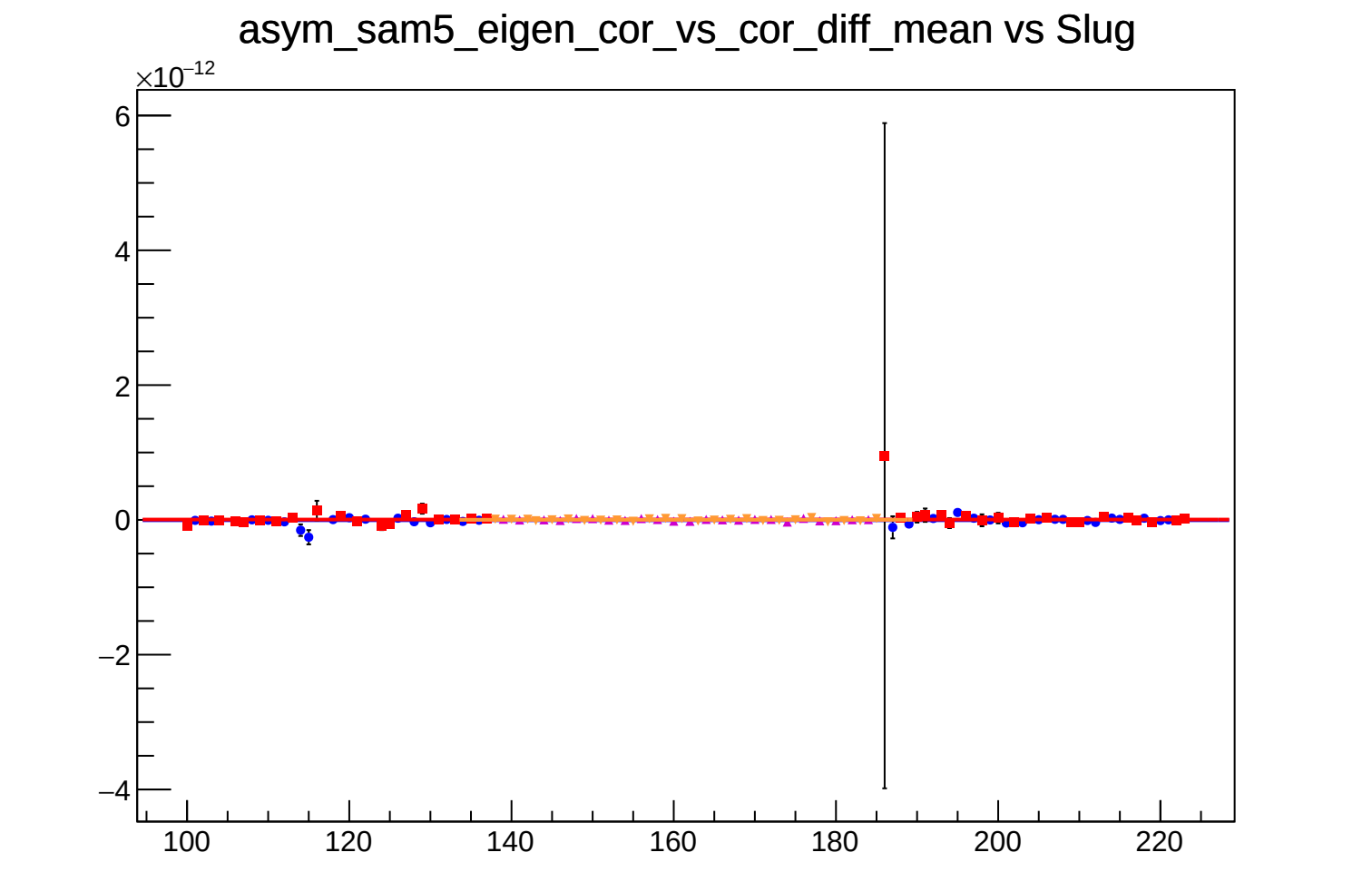
Right Out: 30.562+/-0.006 χ^2/NDF: 14679455.2/38

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 41.396+/-0.005 χ^2/NDF: 15534313.6/58

All: 38.987+/-0.004 χ^2/NDF: 37264612.1/120

- sign 36.857+/-0.005 χ^2/NDF: 21317586.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

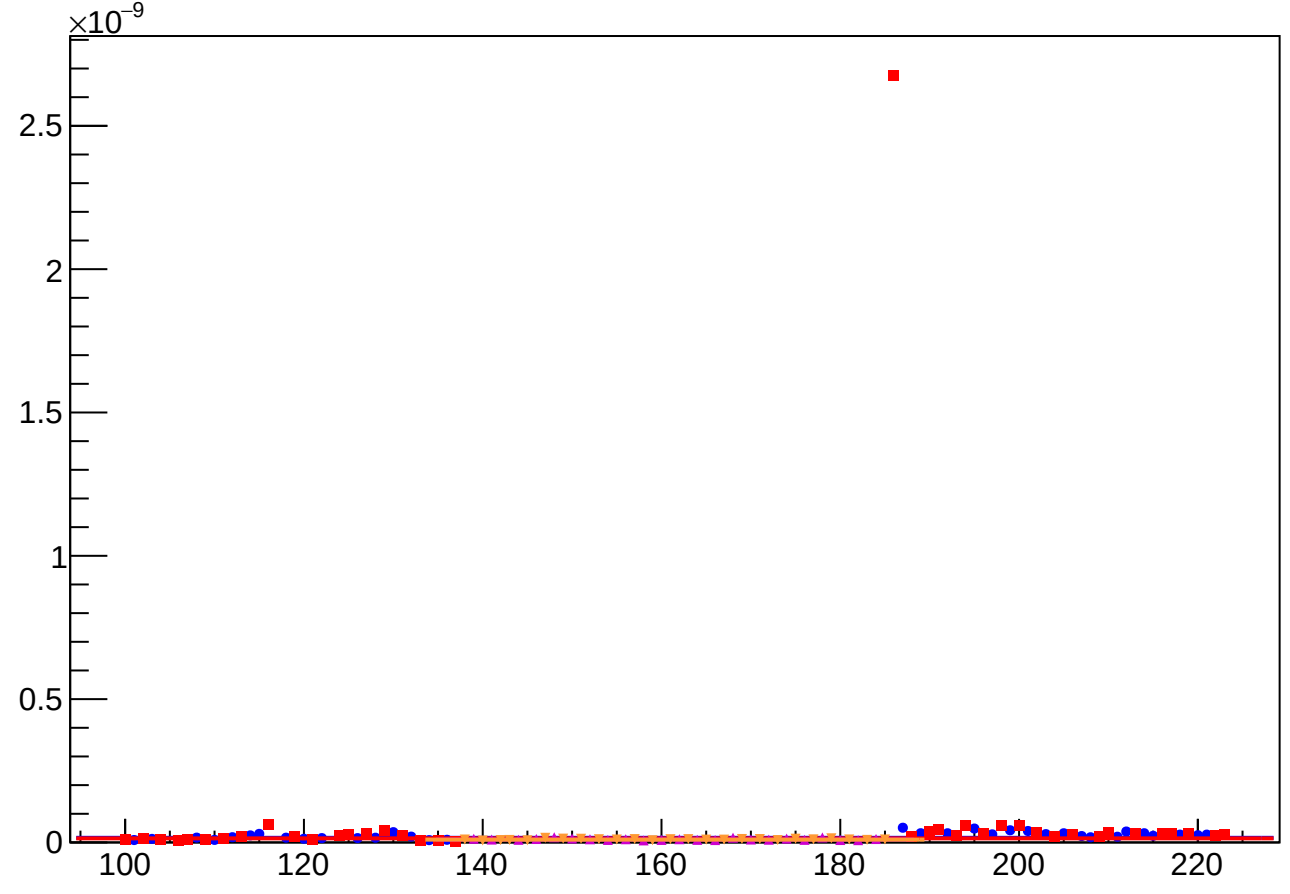
Right Out: 0.000+/-0.000 χ^2/NDF: 41.7/38

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/58

All: 0.000+/-0.000 χ^2/NDF: 114.5/120

- sign 0.000+/-0.000 χ^2/NDF: 60.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 6690267.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10678187.5/38

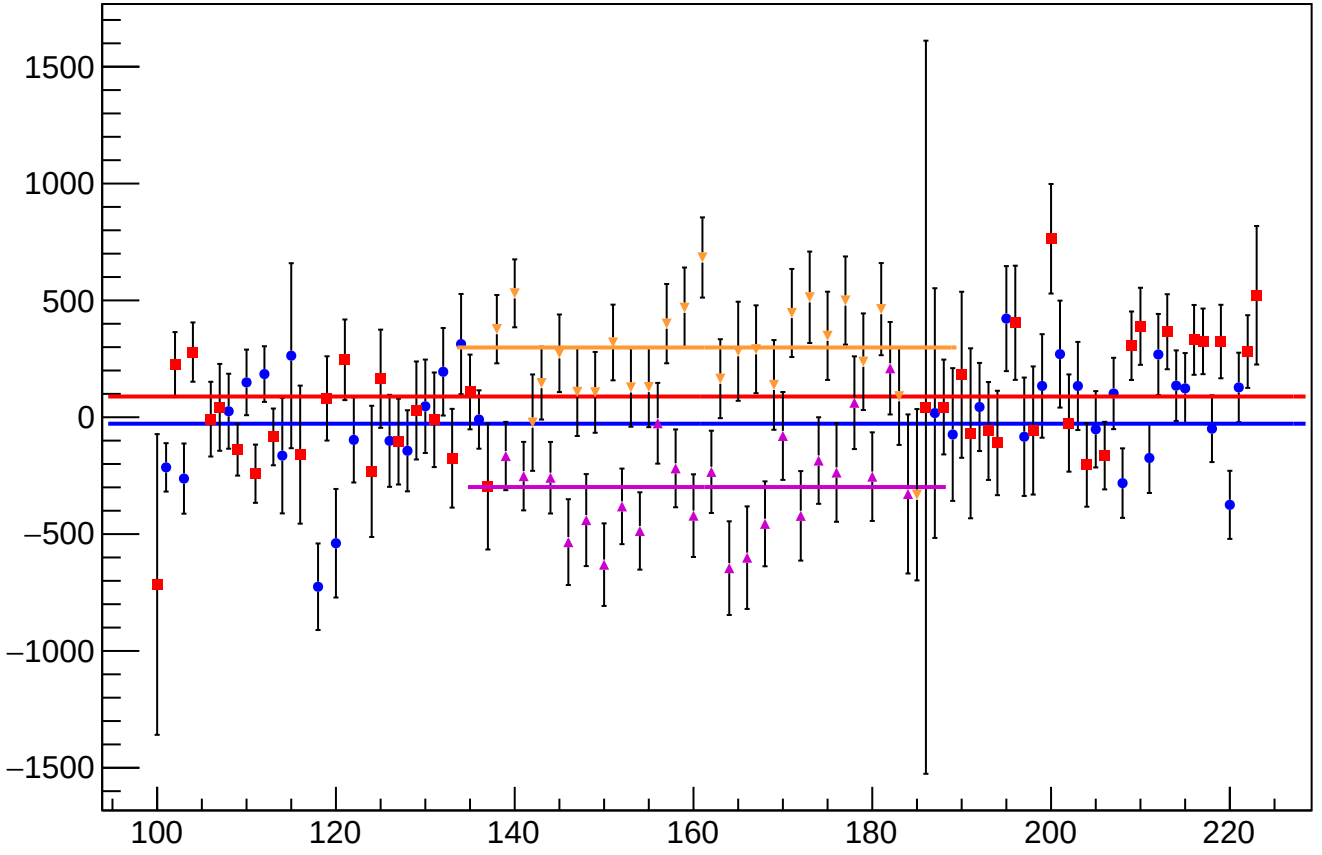
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10423833.6/58

All: 0.000+/-0.000 χ^2/NDF: 23530228.5/120

- sign 0.000+/-0.000 χ^2/NDF: 13106383.1/61

reg_asym_sam6_mean vs Slug



Right In: -27.622+/-29.155 χ^2/NDF: 59.0/33

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 88.687+/-28.792 χ^2/NDF: 64.3/38

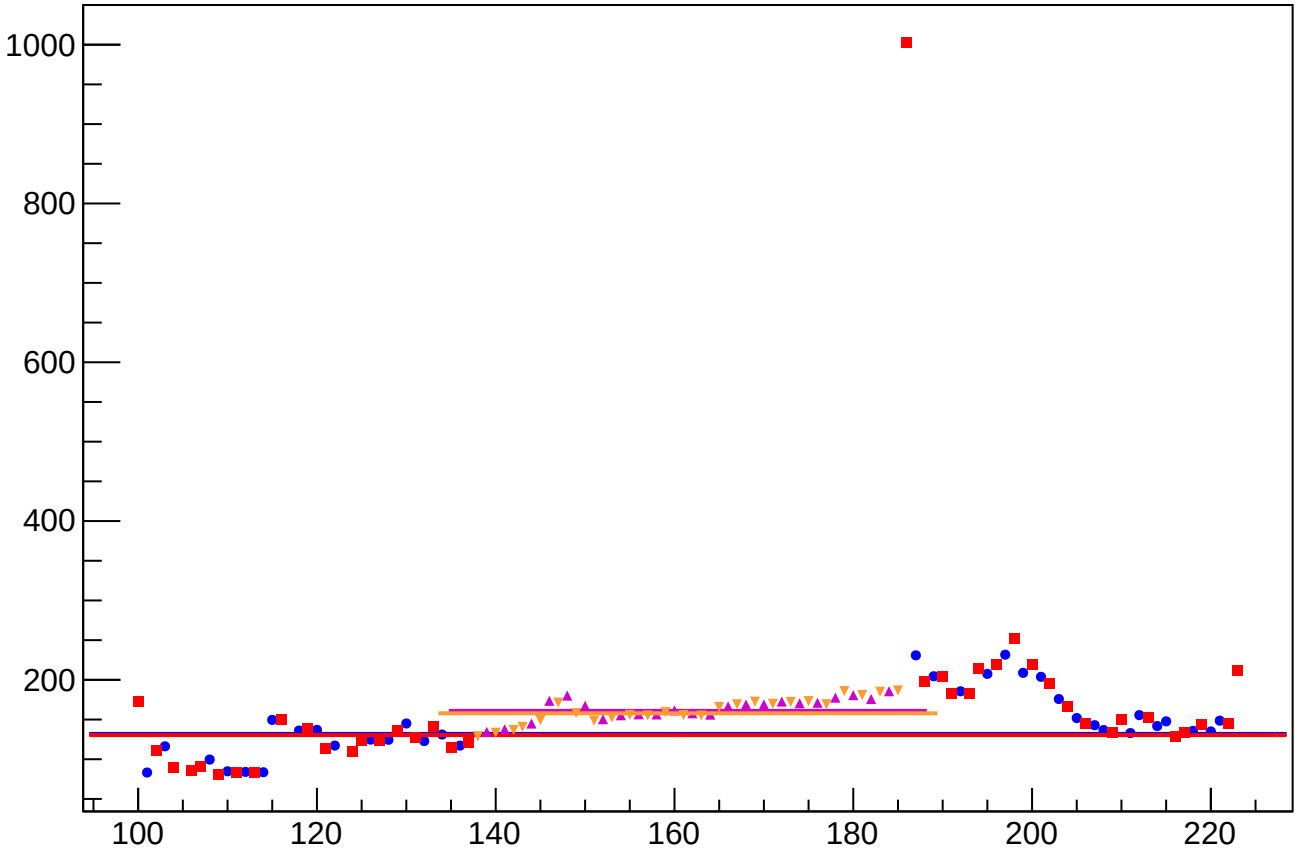
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 101.341+/-22.670 χ^2/NDF: 134.4/58

All: 24.472+/-16.107 χ^2/NDF: 318.0/120

- sign -53.885+/-22.888 χ^2/NDF: 160.4/61

reg_asym_sam6_rms vs Slug



Right In: 131.909+/-0.021 χ^2/NDF: 2818646.3/33

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 130.412+/-0.020 χ^2/NDF: 4441829.8/38

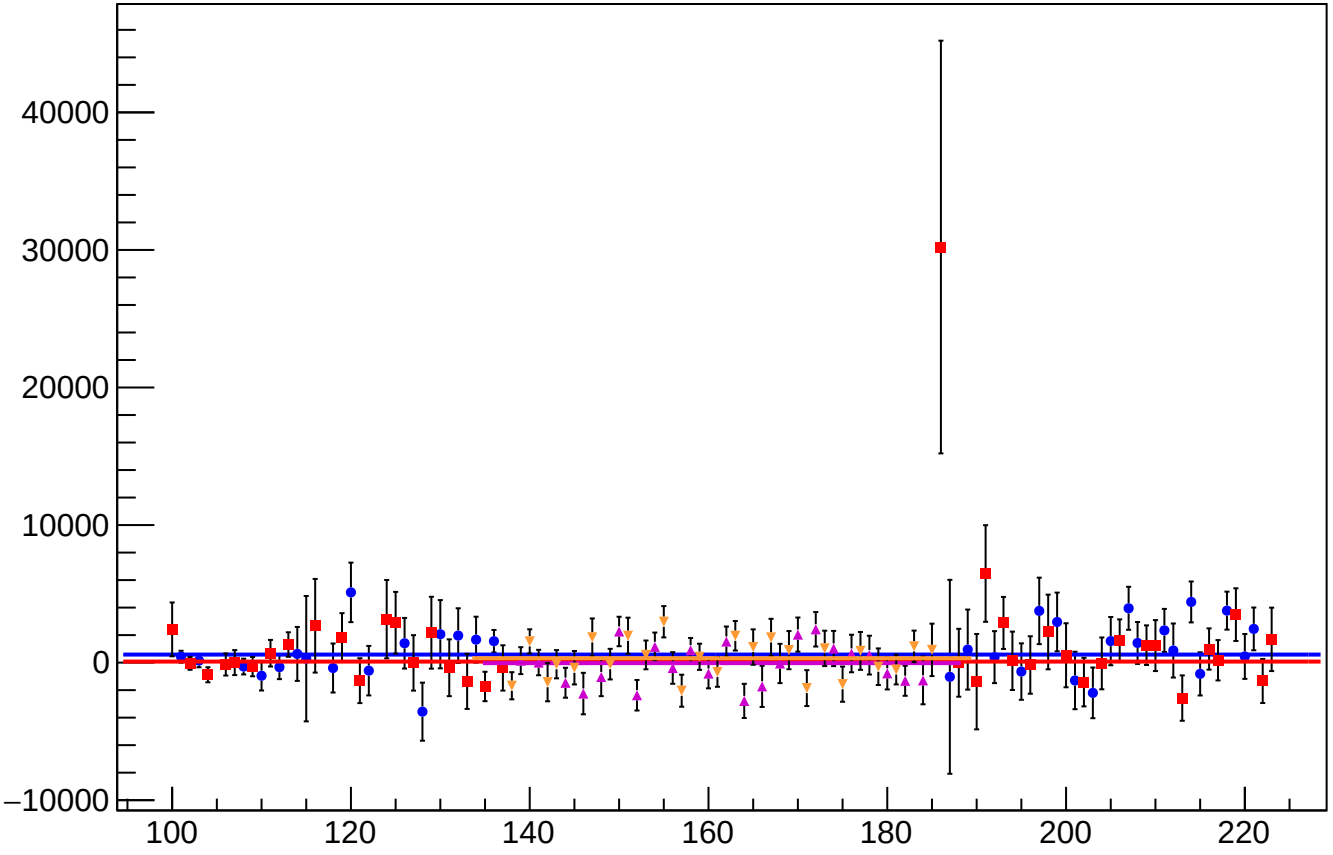
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.161+/-0.016 χ^2/NDF: 3821280.3/58

All: 141.895+/-0.011 χ^2/NDF: 9356019.4/120

- sign 141.624+/-0.016 χ^2/NDF: 5534182.6/61

asym_sam6_reg_correction_mean vs Slug



Right In: 584.728+/-202.559 χ^2/NDF: 45.6/33

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 75.145+/-204.626 χ^2/NDF: 37.2/38

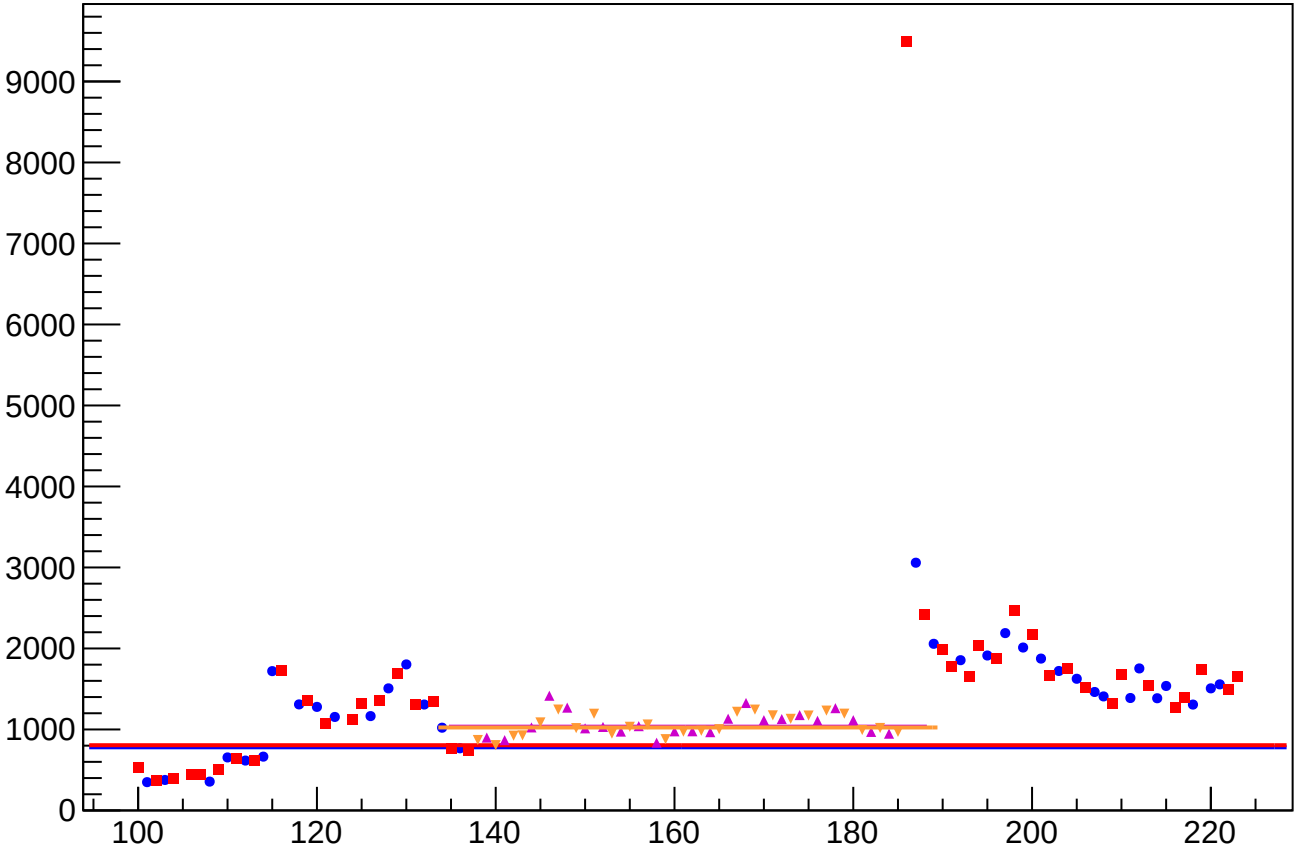
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

\+ sign 471.908+/-153.453 χ^2/NDF: 78.8/58

All: 254.770+/-109.682 χ^2/NDF: 155.0/120

\- sign 27.968+/-156.830 χ^2/NDF: 72.1/61

asym_sam6_reg_correction_rms vs Slug



Right In: 779.761+/-0.143 χ^2/NDF: 14112801.3/33

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 805.511+/-0.145 χ^2/NDF: 14388288.0/38

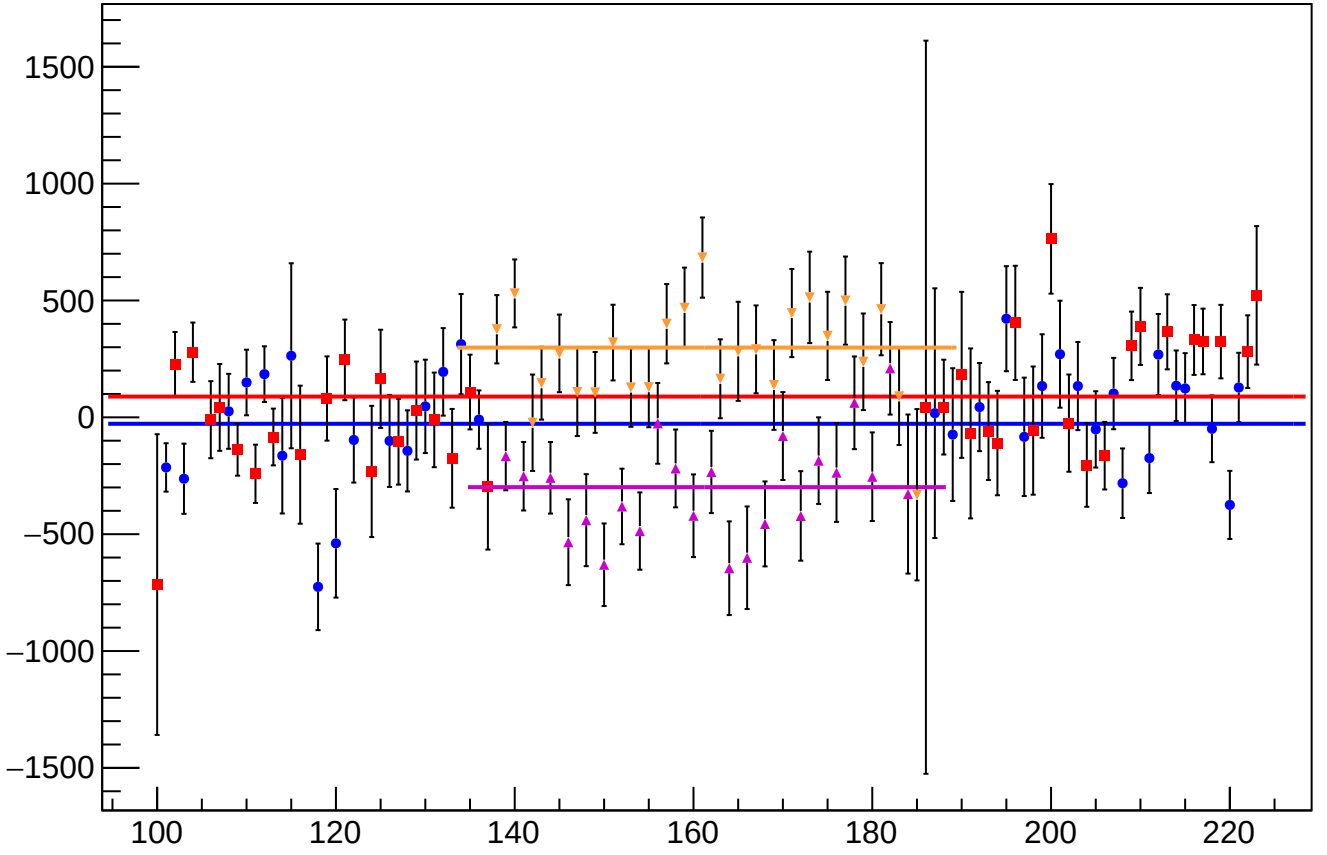
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 884.039+/-0.109 χ^2/NDF: 15954399.2/58

All: 891.827+/-0.078 χ^2/NDF: 32014425.1/12

- sign 899.961+/-0.111 χ^2/NDF: 16049494.5/61

cor_asym_sam6_mean vs Slug



Right In: -27.633+/-29.155 χ^2/NDF: 59.0/33

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 88.834+/-28.820 χ^2/NDF: 64.3/38

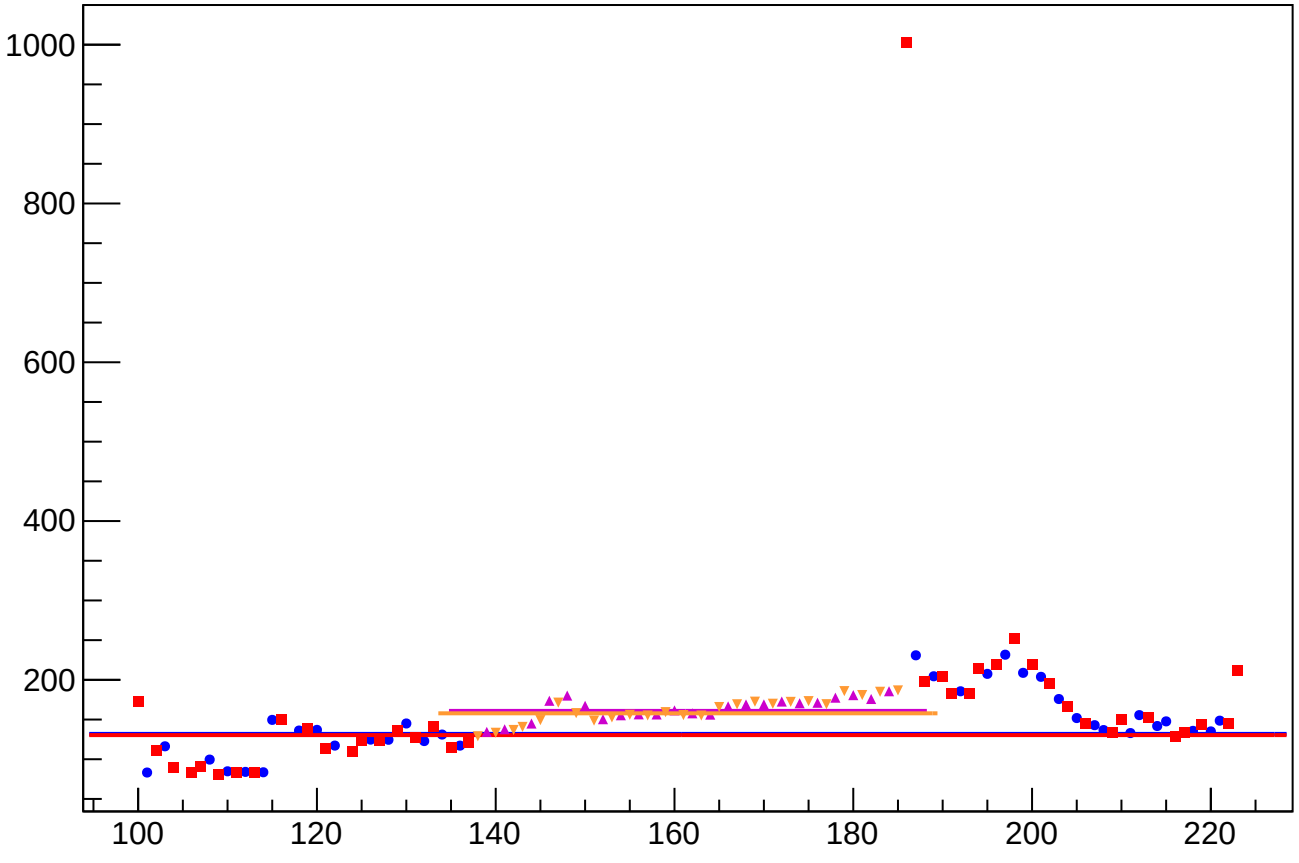
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 101.335+/-22.670 χ^2/NDF: 134.4/58

All: 24.474+/-16.111 χ^2/NDF: 318.0/120

- sign -53.973+/-22.902 χ^2/NDF: 160.4/61

cor_asym_sam6_rms vs Slug



Right In: 131.909+/-0.021 χ^2/NDF: 2818644.0/33

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 130.403+/-0.020 χ^2/NDF: 4453754.0/38

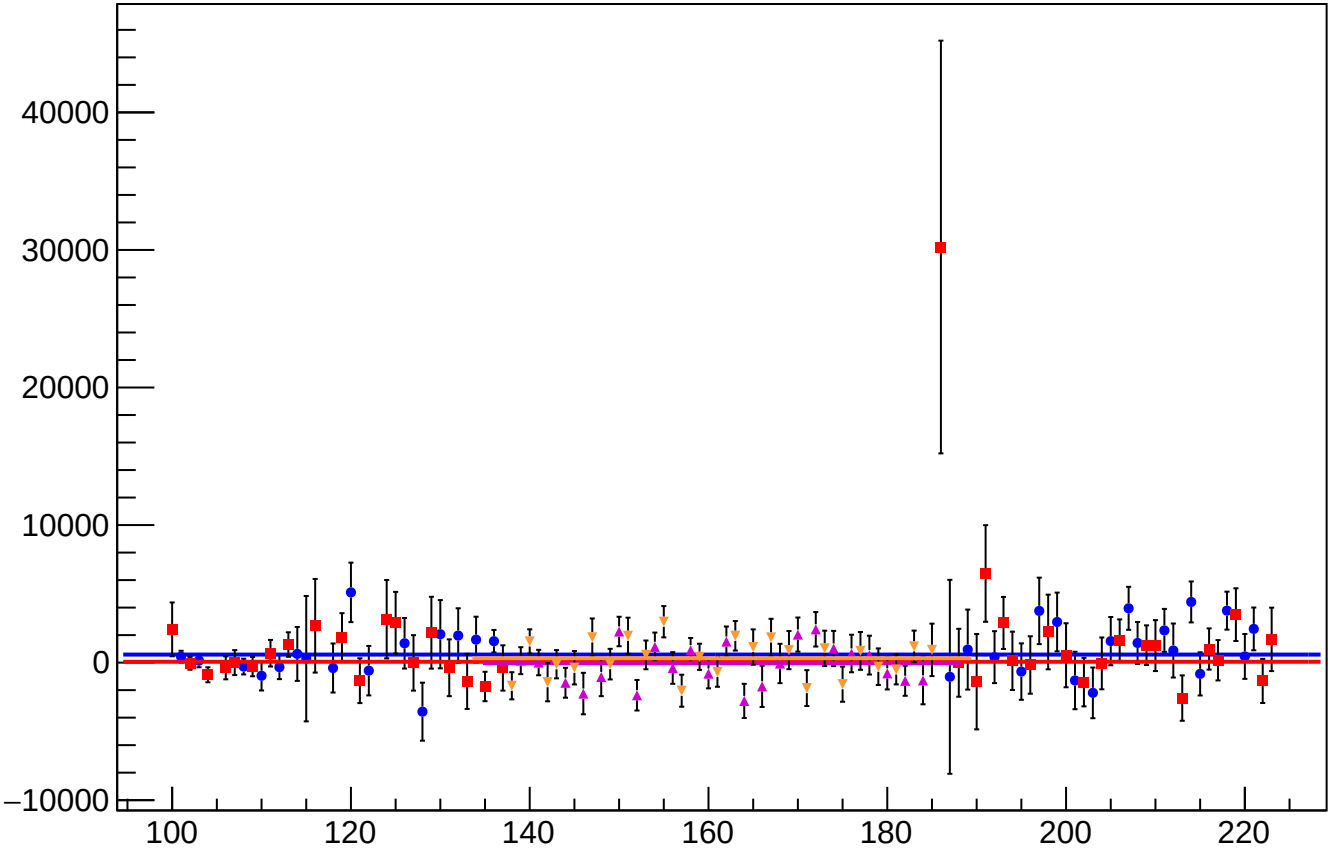
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.161+/-0.016 χ^2/NDF: 3821276.2/58

All: 141.900+/-0.011 χ^2/NDF: 9367765.9/120

- sign 141.633+/-0.016 χ^2/NDF: 5545951.6/61

asym_sam6_cor_correction_mean vs Slug



Right In: 584.823+/-202.555 χ^2/NDF: 45.6/33

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 62.019+/-205.055 χ^2/NDF: 37.4/38

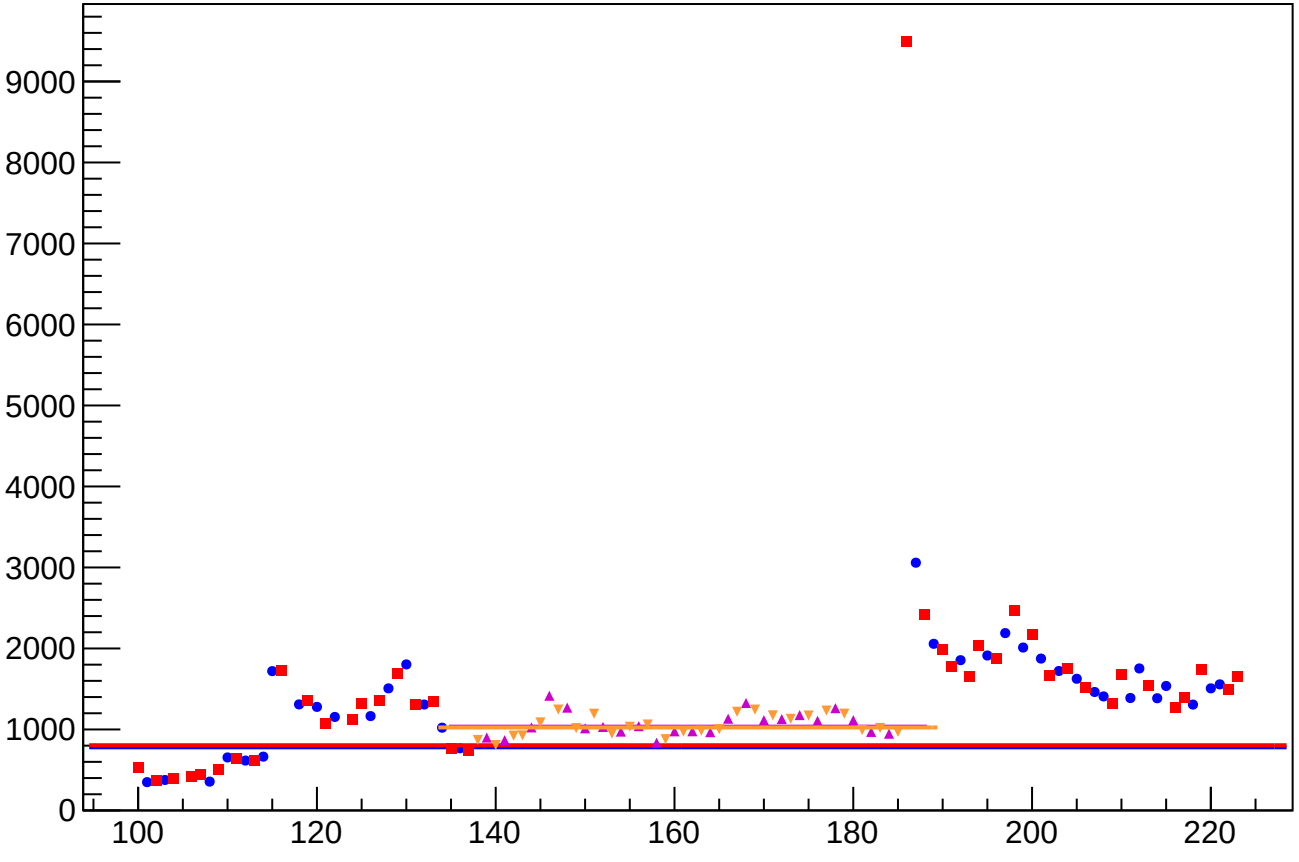
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 471.968+/-153.450 χ^2/NDF: 78.8/58

All: 251.259+/-109.747 χ^2/NDF: 155.3/120

- sign 20.154+/-157.023 χ^2/NDF: 72.3/61

asym_sam6_cor_correction_rms vs Slug



Right In: 779.733+/-0.143 χ^2/NDF: 14113533.5/33

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 805.307+/-0.145 χ^2/NDF: 14424573.7/38

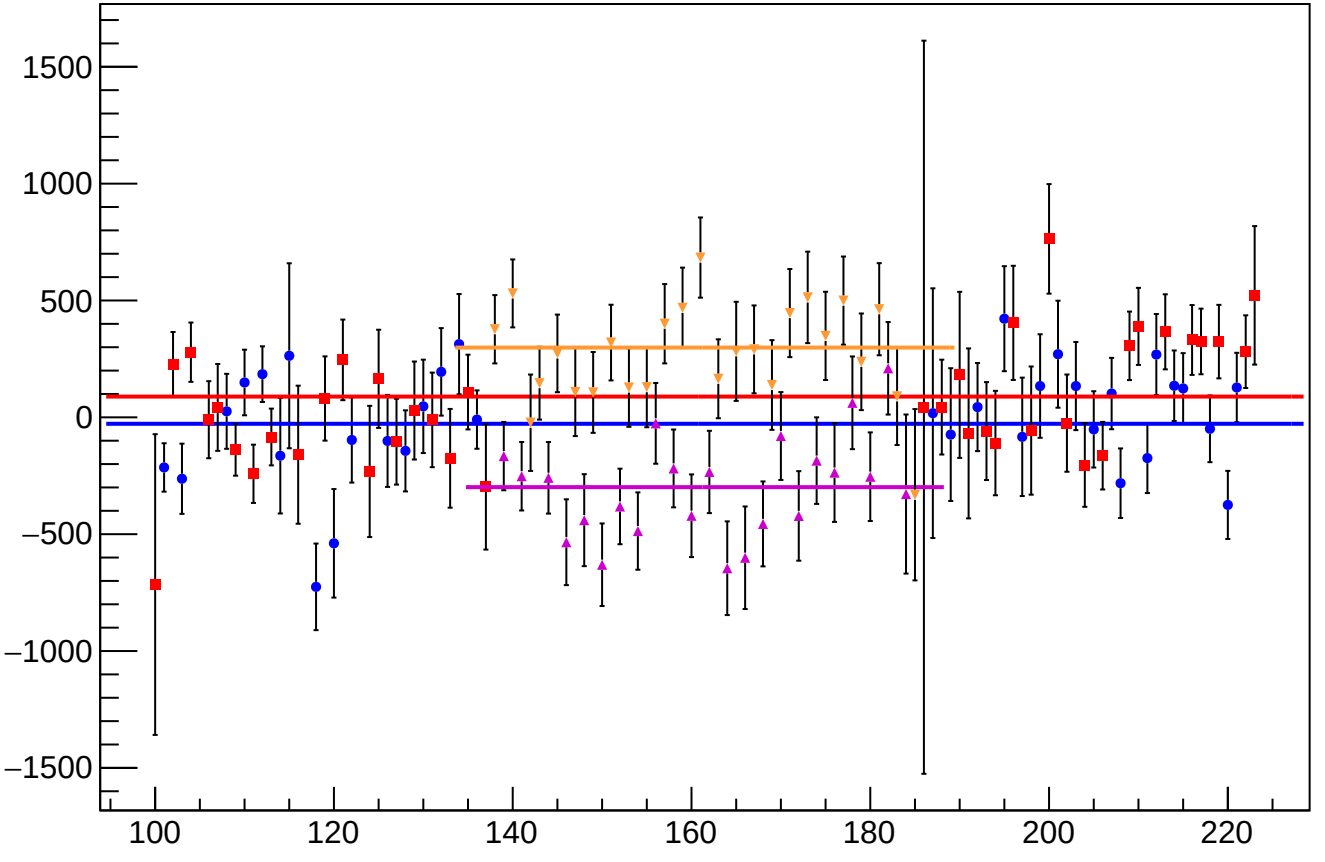
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 884.020+/-0.109 χ^2/NDF: 15955445.7/58

All: 891.862+/-0.078 χ^2/NDF: 32051975.0/12

- sign 900.074+/-0.111 χ^2/NDF: 16085836.4/61

eigen_cor_asym_sam6_mean vs Slug



Right In: -27.633+/-29.155 χ^2/NDF: 59.0/33

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 88.834+/-28.820 χ^2/NDF: 64.3/38

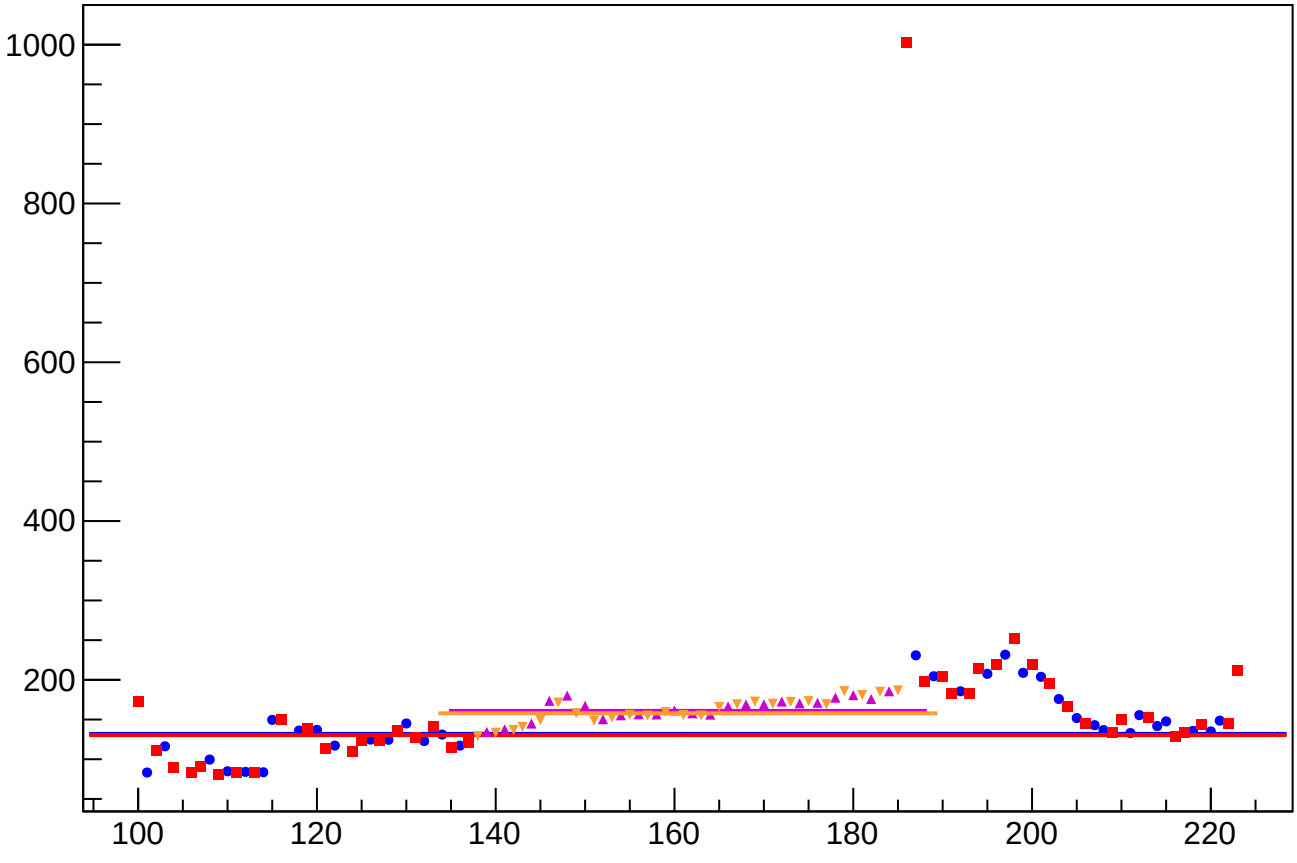
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 101.335+/-22.670 χ^2/NDF: 134.4/58

All: 24.474+/-16.111 χ^2/NDF: 318.0/120

- sign -53.973+/-22.902 χ^2/NDF: 160.4/61

eigen_cor_asym_sam6_rms vs Slug



Right In: 131.909+/-0.021 χ^2/NDF: 2818644.0/33

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 130.403+/-0.020 χ^2/NDF: 4453754.0/38

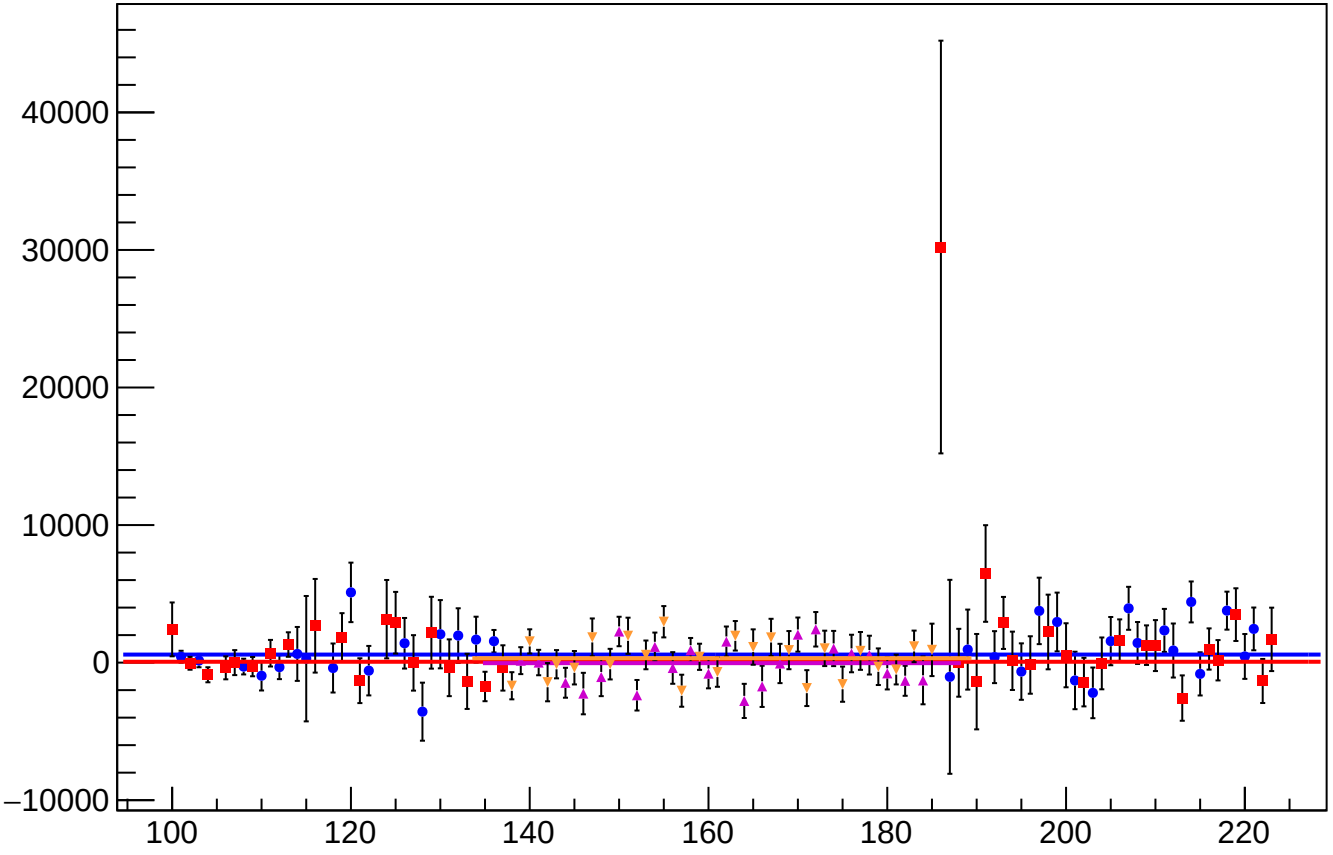
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.161+/-0.016 χ^2/NDF: 3821276.2/58

All: 141.900+/-0.011 χ^2/NDF: 9367765.9/120

- sign 141.633+/-0.016 χ^2/NDF: 5545951.6/61

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 584.823+/-202.555 χ^2/NDF: 45.6/33

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 62.019+/-205.055 χ^2/NDF: 37.4/38

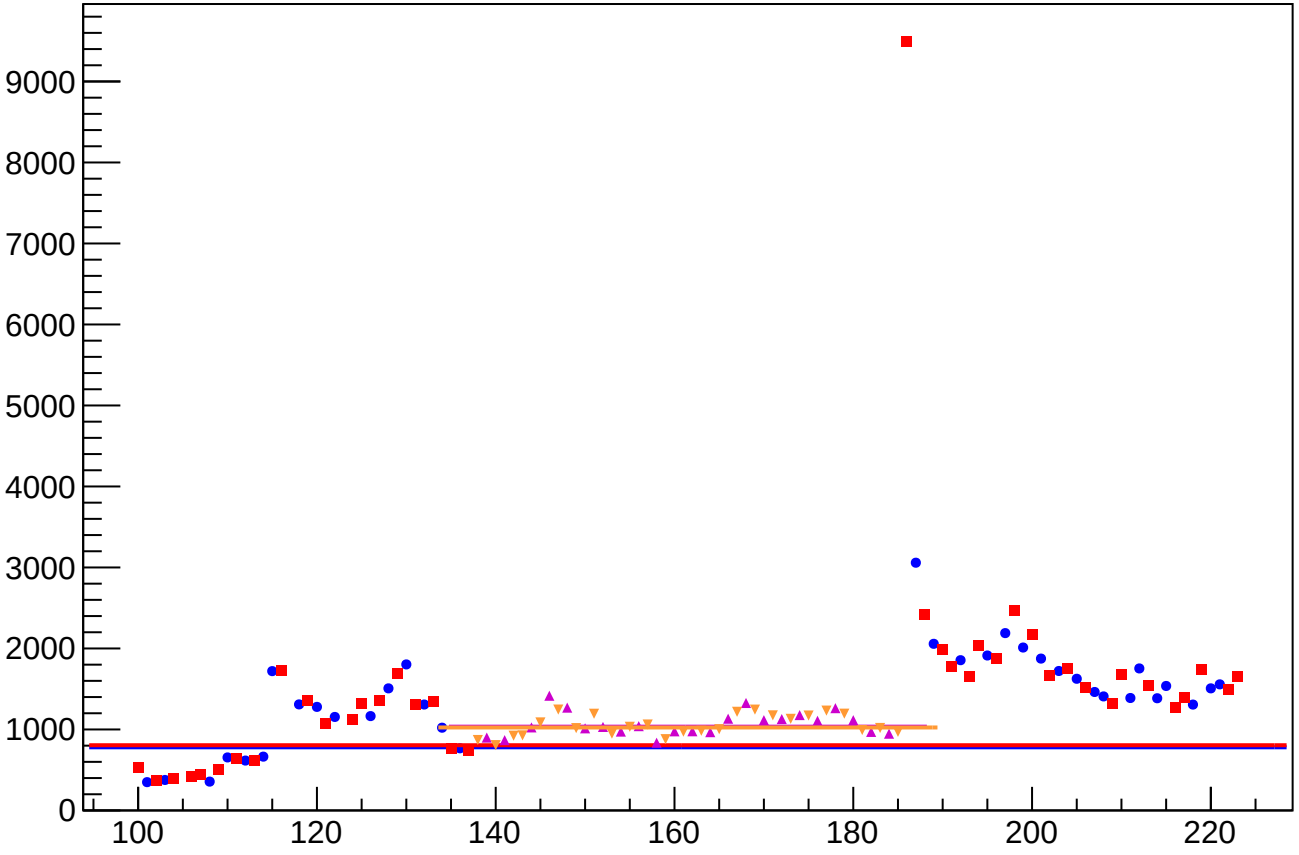
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 471.968+/-153.450 χ^2/NDF: 78.8/58

All: 251.259+/-109.747 χ^2/NDF: 155.3/120

- sign 20.154+/-157.023 χ^2/NDF: 72.3/61

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 779.733+/-0.143 χ^2/NDF: 14113533.5/33

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 805.307+/-0.145 χ^2/NDF: 14424573.7/38

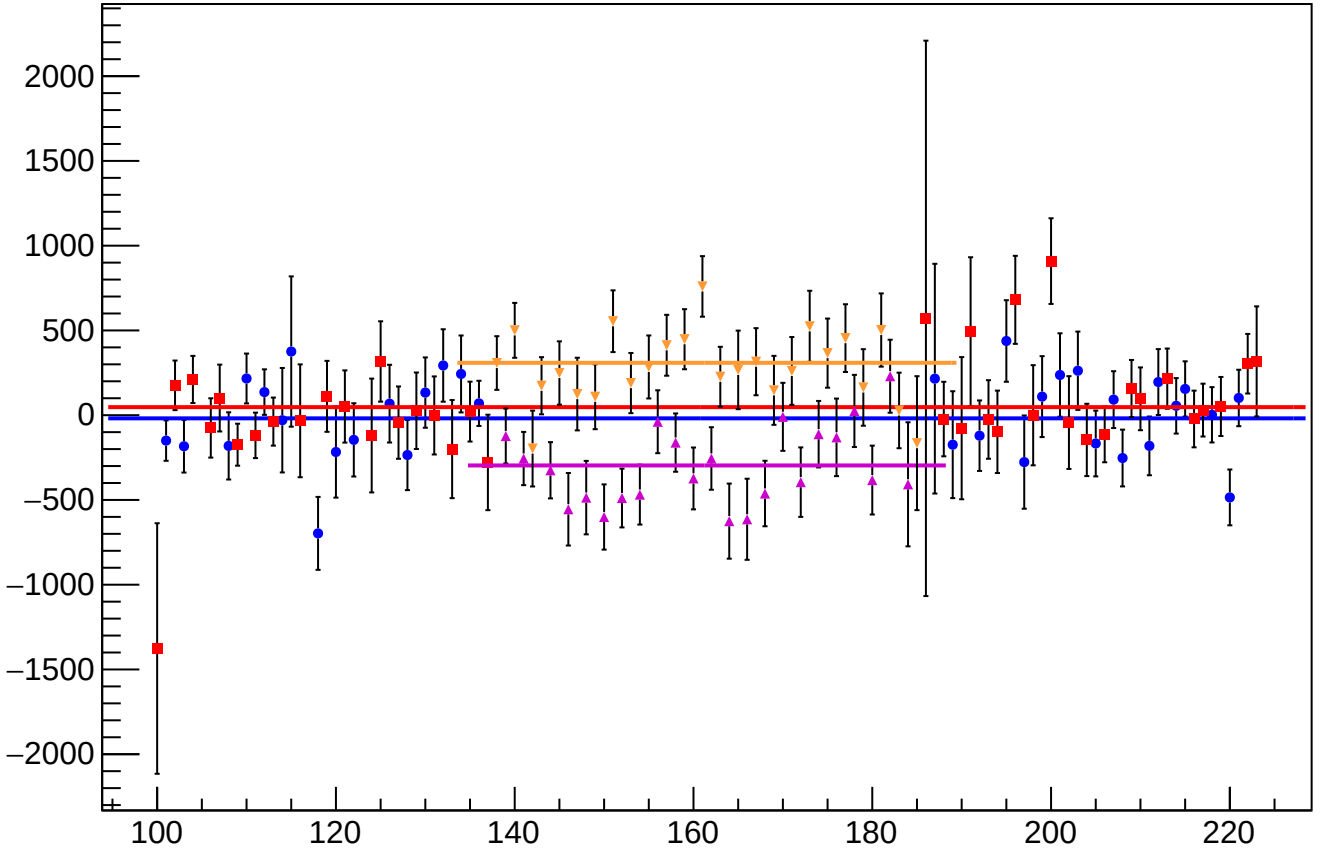
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 884.020+/-0.109 χ^2/NDF: 15955445.7/58

All: 891.862+/-0.078 χ^2/NDF: 32051975.0/12

- sign 900.074+/-0.111 χ^2/NDF: 16085836.4/61

dit_asym_sam6_mean vs Slug



Right In: -18.661+/-32.681 χ^2/NDF: 47.1/33

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 47.487+/-32.337 χ^2/NDF: 41.2/38

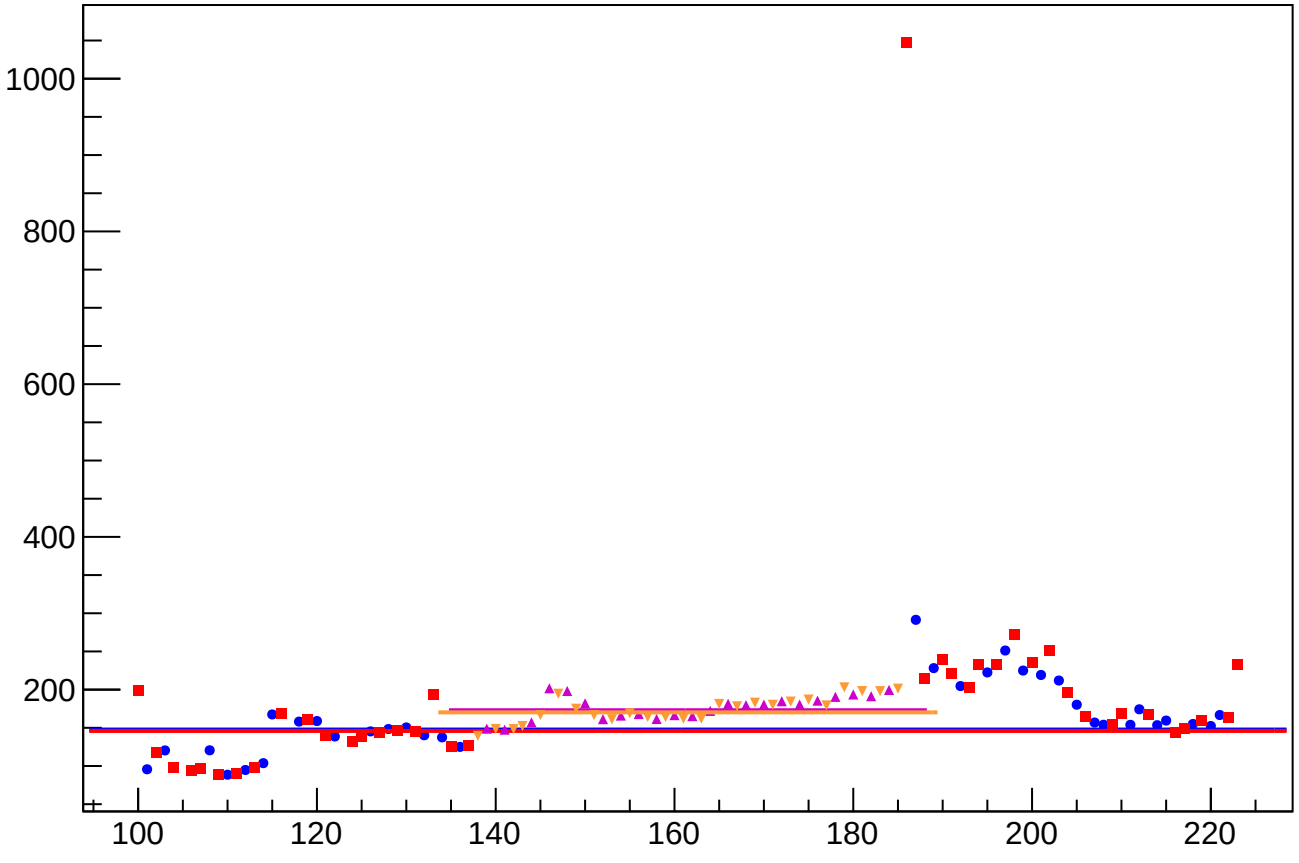
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 116.924+/-25.022 χ^2/NDF: 114.2/58

All: 16.564+/-17.789 χ^2/NDF: 259.7/120

- sign -86.003+/-25.296 χ^2/NDF: 112.9/61

dit_asym_sam6_rms vs Slug



Right In: 147.735+/-0.023 χ^2/NDF: 2764494.6/33

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 145.911+/-0.023 χ^2/NDF: 4606562.2/38

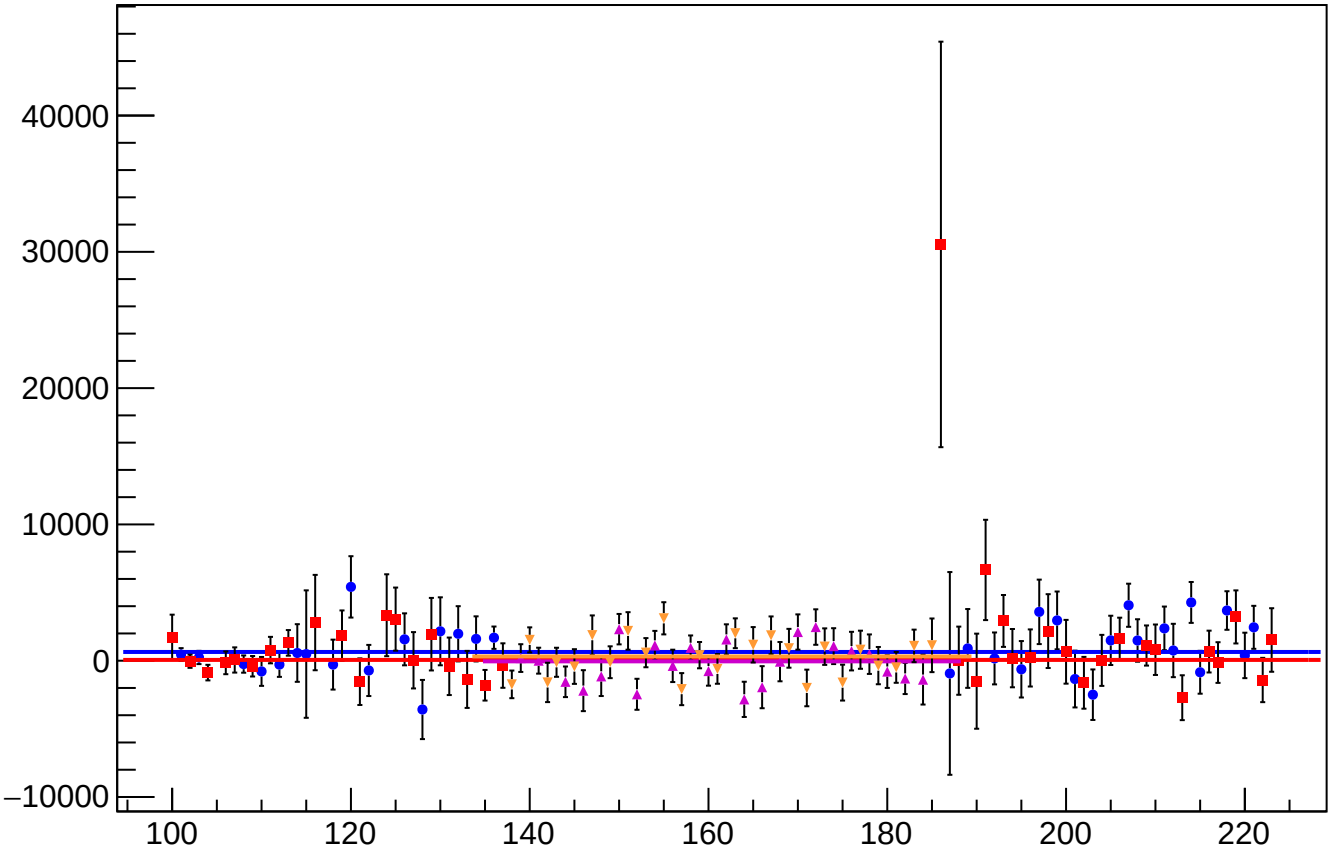
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 157.047+/-0.018 χ^2/NDF: 3523218.1/58

All: 156.743+/-0.013 χ^2/NDF: 8969674.7/120

- sign 156.433+/-0.018 χ^2/NDF: 5445860.9/61

asym_sam6_dit_correction_mean vs Slug



Right In: 641.622+/-210.400 χ^2/NDF: 43.9/33

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 58.147+/-211.019 χ^2/NDF: 35.4/38

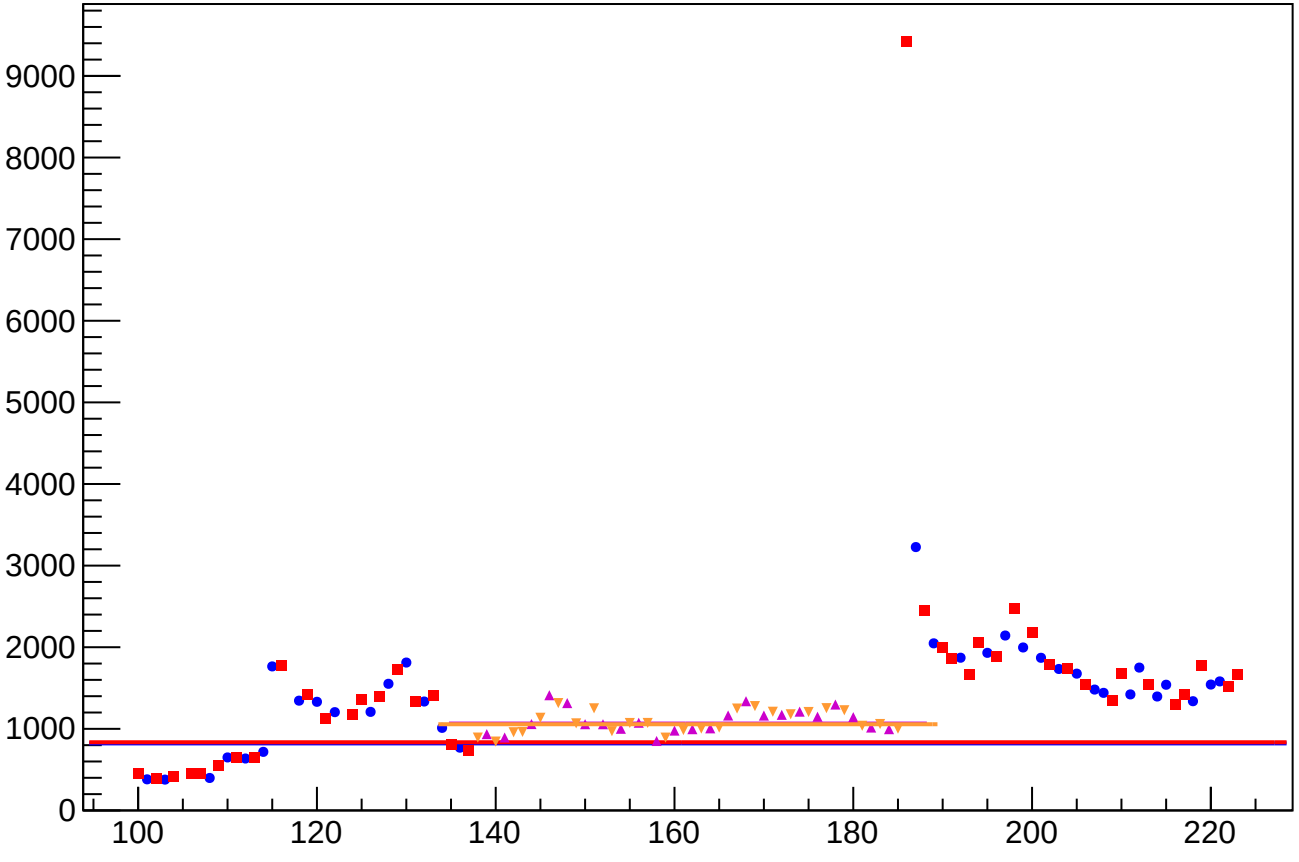
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 500.696+/-158.894 χ^2/NDF: 77.8/58

All: 261.716+/-113.296 χ^2/NDF: 152.4/120

- sign 14.561+/-161.588 χ^2/NDF: 70.0/61

asym_sam6_dit_correction_rms vs Slug



Right In: 821.509+/-0.149 χ^2/NDF: 13301265.6/33

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 835.629+/-0.149 χ^2/NDF: 14083413.7/38

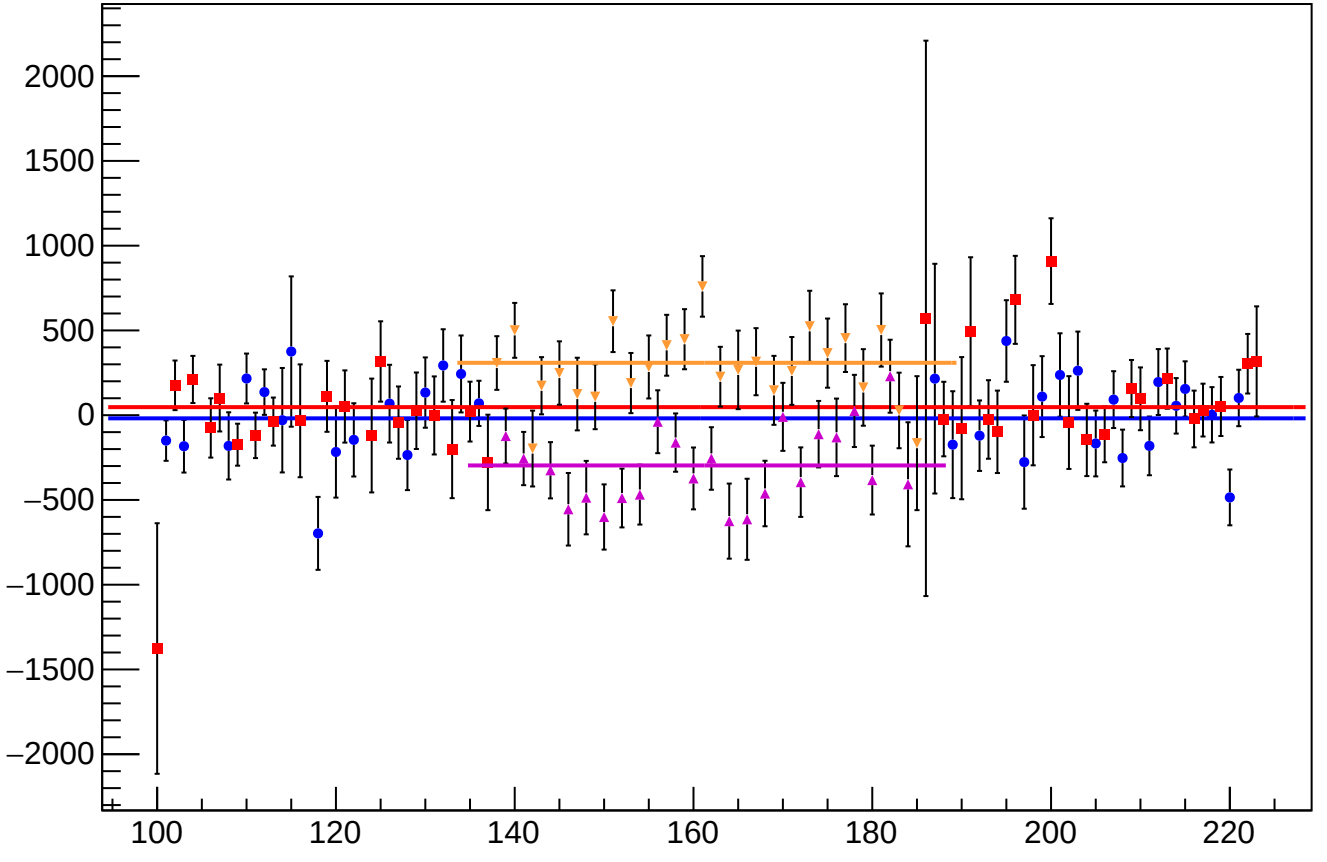
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 922.405+/-0.112 χ^2/NDF: 14982372.0/58

All: 926.323+/-0.080 χ^2/NDF: 30654070.4/12

- sign 930.374+/-0.114 χ^2/NDF: 15669225.5/61

eigen_dit_asym_sam6_mean vs Slug



Right In: -18.662+/-32.681 χ^2/NDF: 47.1/33

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 47.486+/-32.337 χ^2/NDF: 41.2/38

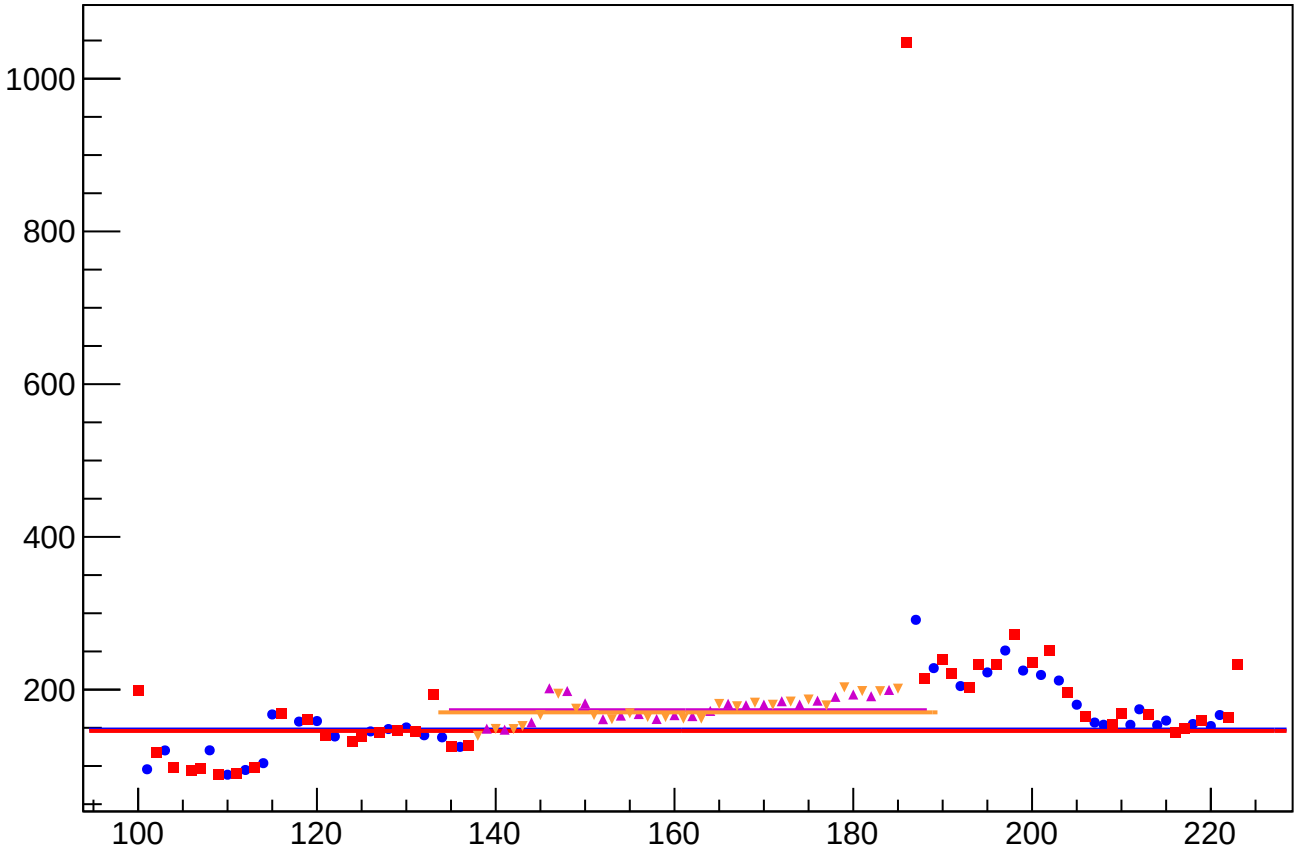
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 116.923+/-25.022 χ^2/NDF: 114.2/58

All: 16.563+/-17.789 χ^2/NDF: 259.7/120

- sign -86.004+/-25.296 χ^2/NDF: 112.9/61

eigen_dit_asym_sam6_rms vs Slug



Right In: 147.735+/-0.023 χ^2/NDF: 2764516.1/33

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 145.911+/-0.023 χ^2/NDF: 4606571.5/38

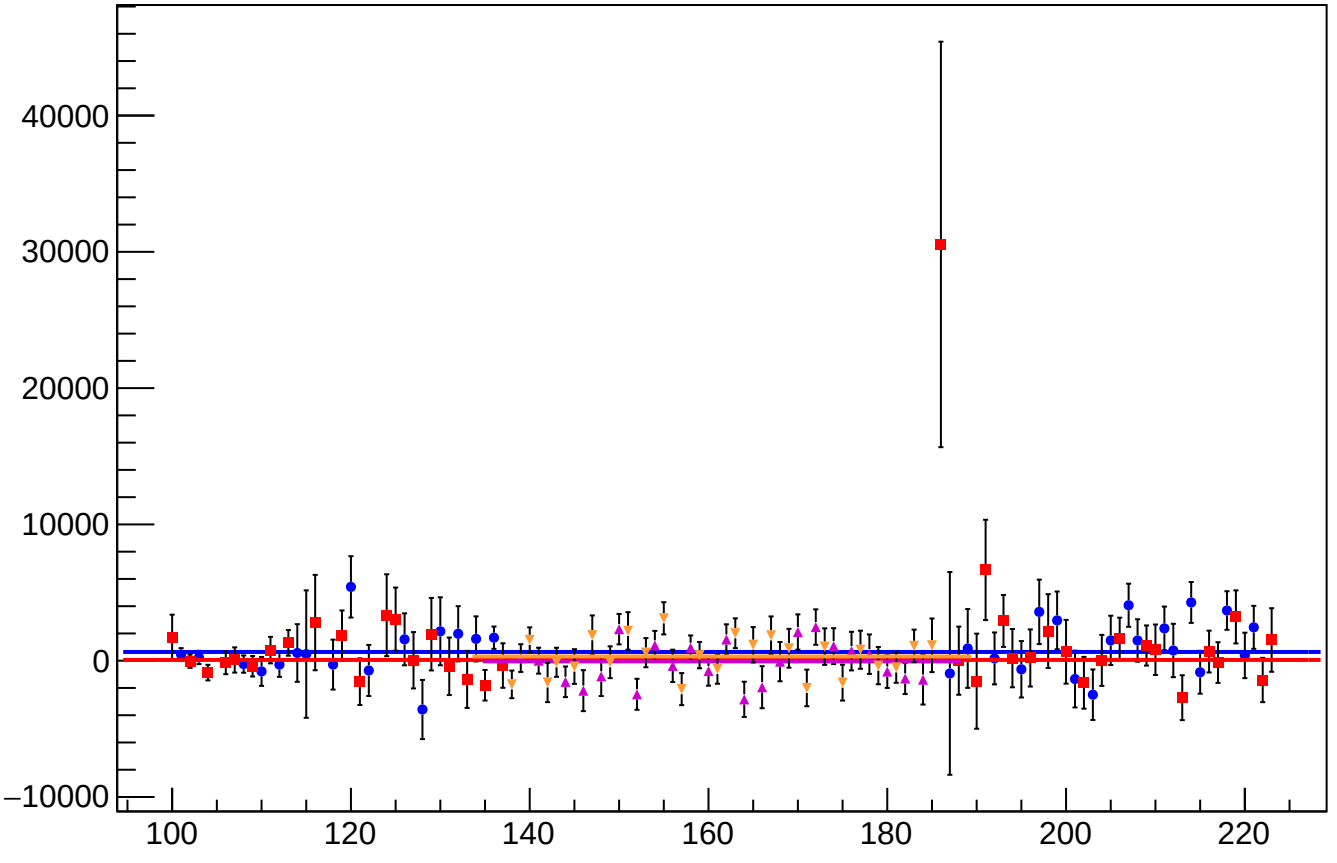
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 157.047+/-0.018 χ^2/NDF: 3523239.9/58

All: 156.743+/-0.013 χ^2/NDF: 8969707.3/120

- sign 156.433+/-0.018 χ^2/NDF: 5445871.7/61

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 641.621+/-210.400 χ^2/NDF: 43.9/33

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 58.146+/-211.019 χ^2/NDF: 35.4/38

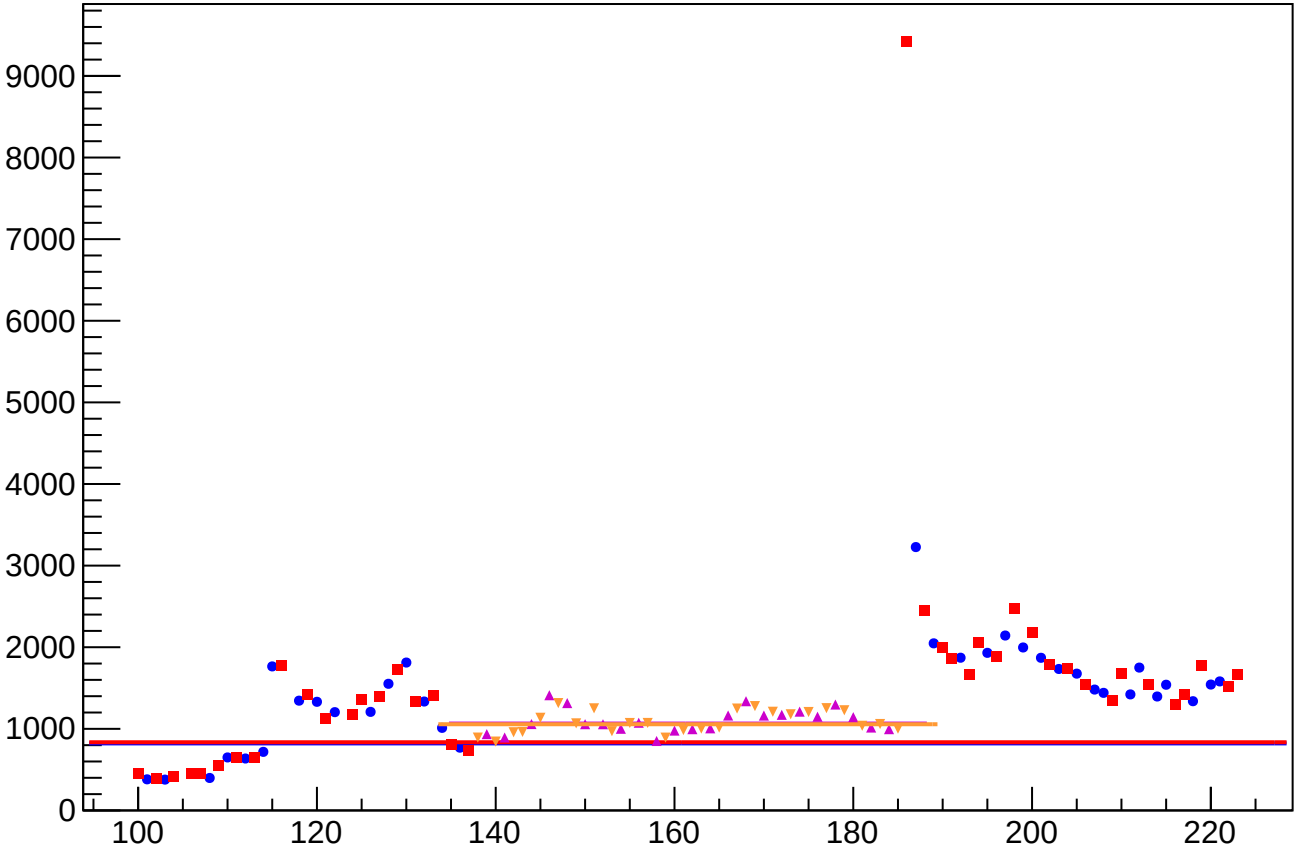
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 500.696+/-158.894 χ^2/NDF: 77.8/58

All: 261.715+/-113.296 χ^2/NDF: 152.4/120

- sign 14.560+/-161.588 χ^2/NDF: 70.0/61

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 821.508+/-0.149 χ^2/NDF: 13301287.4/33

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 835.629+/-0.149 χ^2/NDF: 14083424.6/38

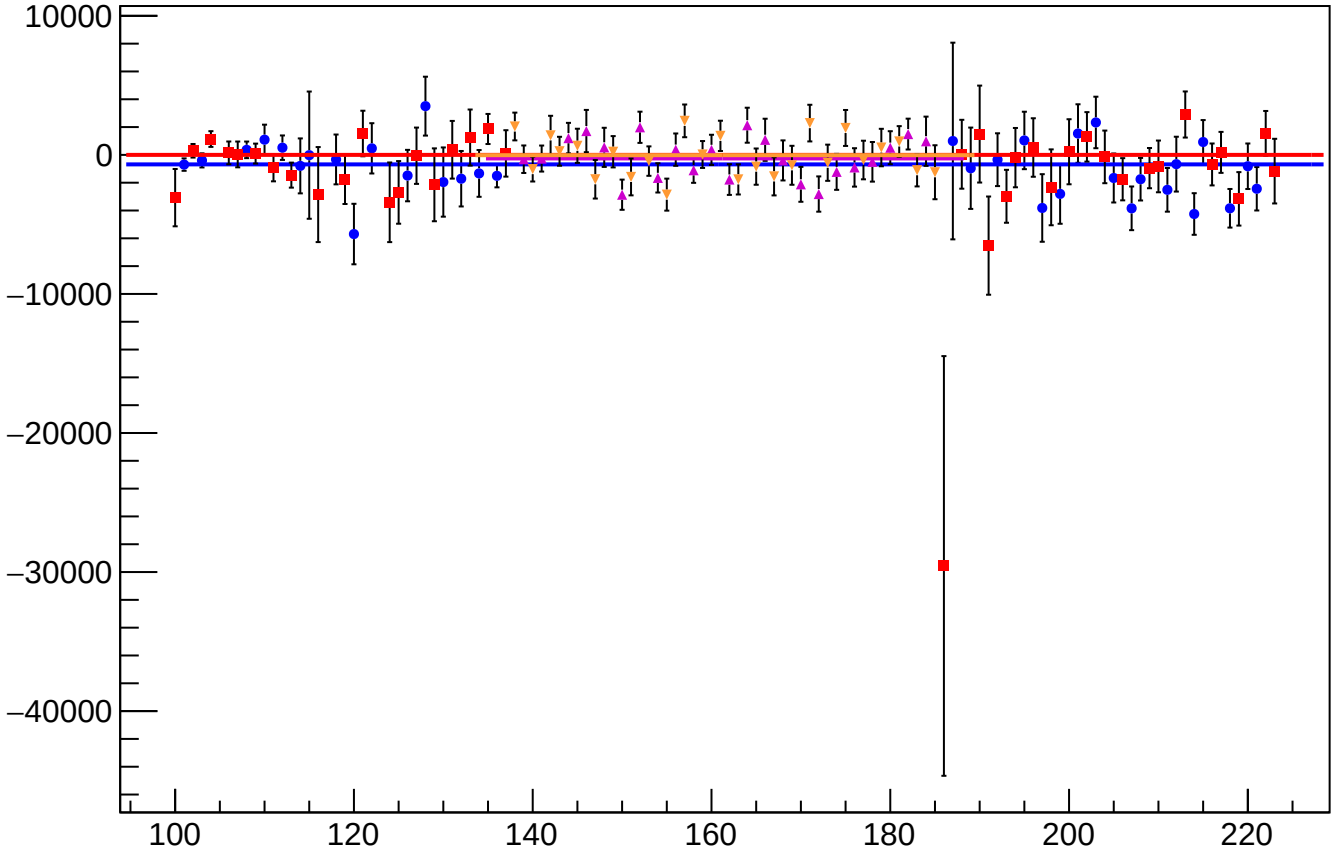
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 922.405+/-0.112 χ^2/NDF: 14982410.1/58

All: 926.322+/-0.080 χ^2/NDF: 30654129.2/12

- sign 930.374+/-0.114 χ^2/NDF: 15669246.1/61

asym_sam6_mean vs Slug



Right In: -683.050+/-207.411 χ^2/NDF: 46.1/33

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 0.099+/-209.014 χ^2/NDF: 40.1/38

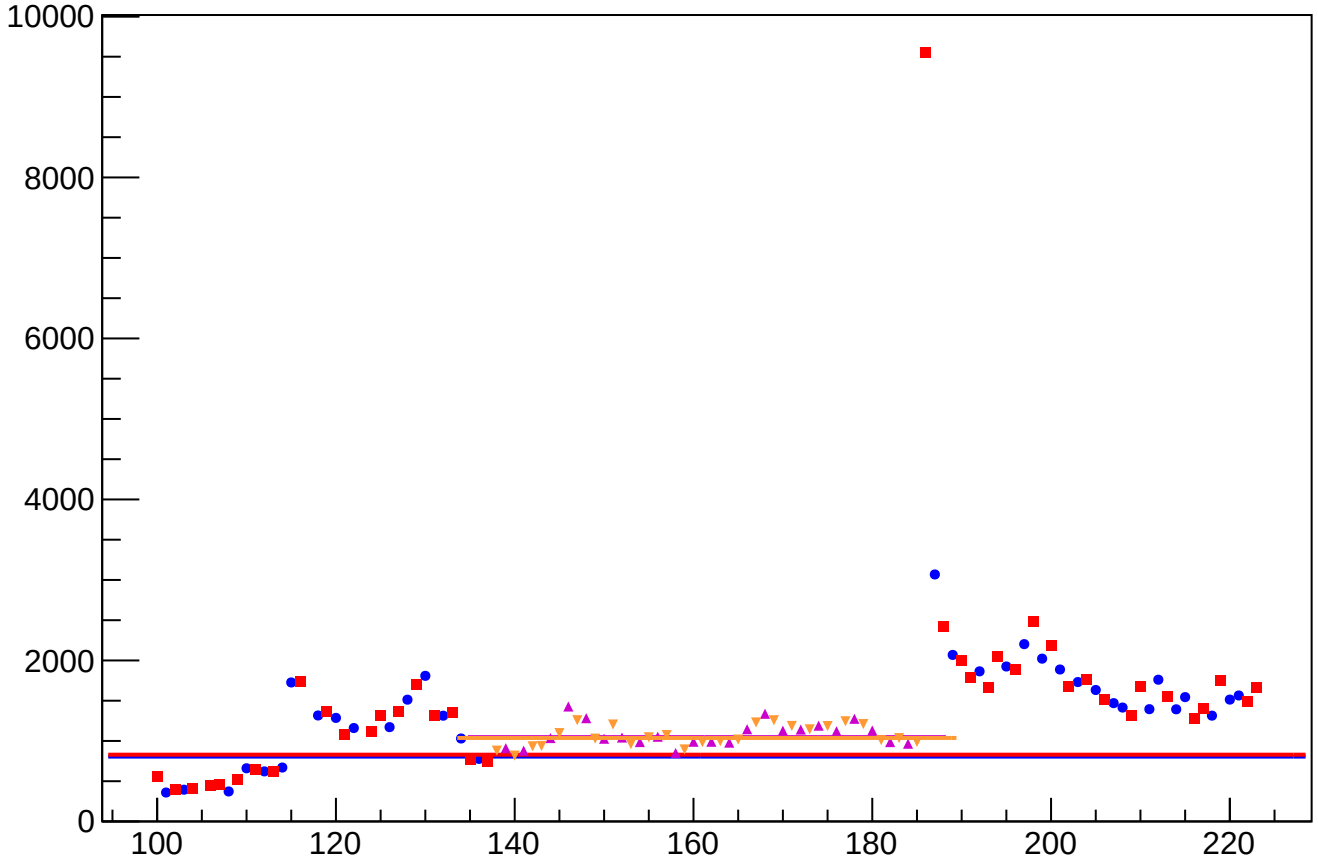
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -397.612+/-156.357 χ^2/NDF: 85.0/58

All: -255.008+/-111.693 χ^2/NDF: 160.9/120

- sign -106.412+/-159.608 χ^2/NDF: 74.2/61

asym_sam6_rms vs Slug



Right In: 805.904+/-0.147 χ^2/NDF: 13553042.8/33

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

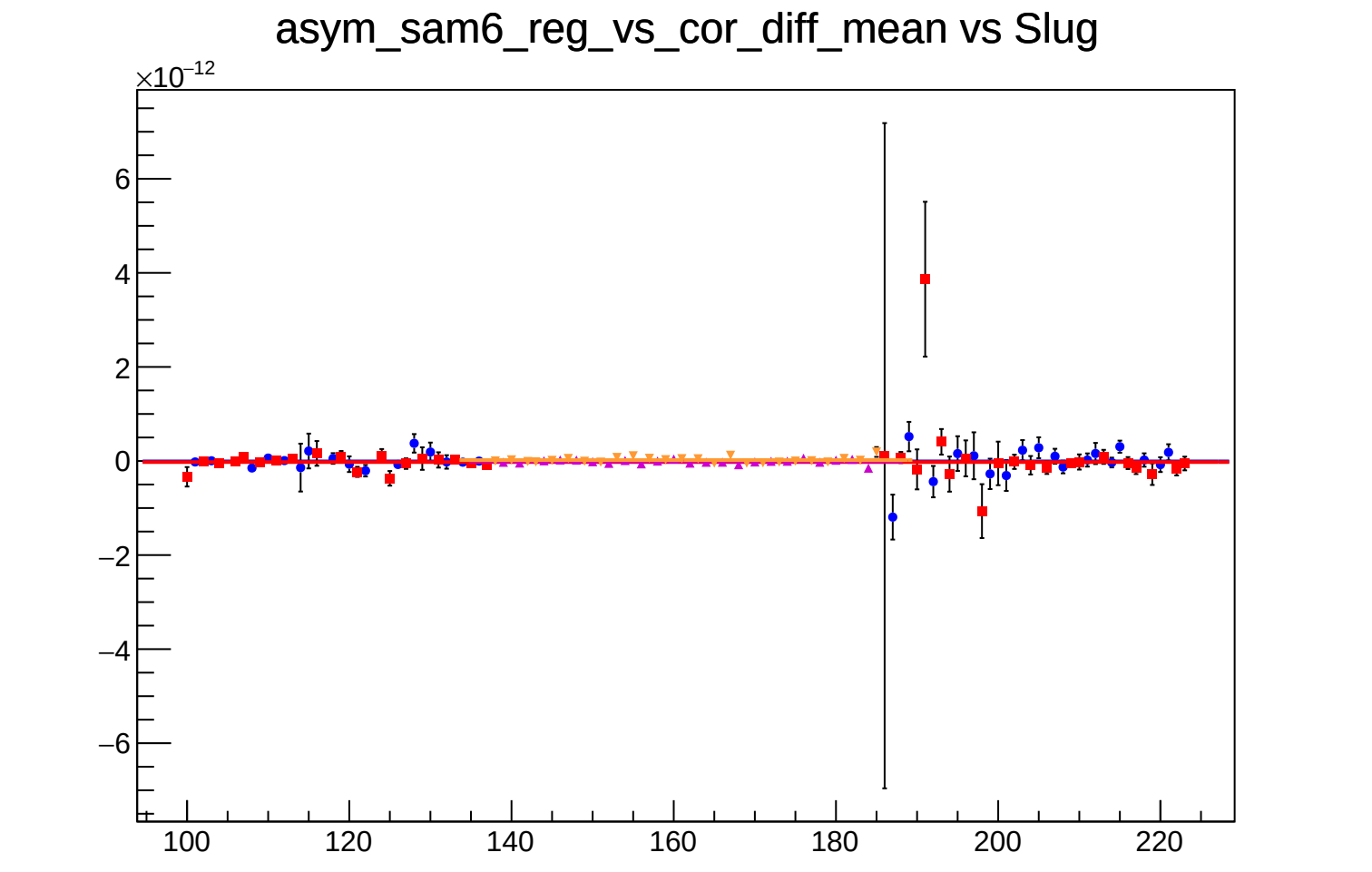
Right Out: 829.378+/-0.148 χ^2/NDF: 13905095.7/38

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 905.809+/-0.111 χ^2/NDF: 15213426.4/58

All: 912.936+/-0.079 χ^2/NDF: 30649432.5/12

- sign 920.362+/-0.113 χ^2/NDF: 15427521.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/38

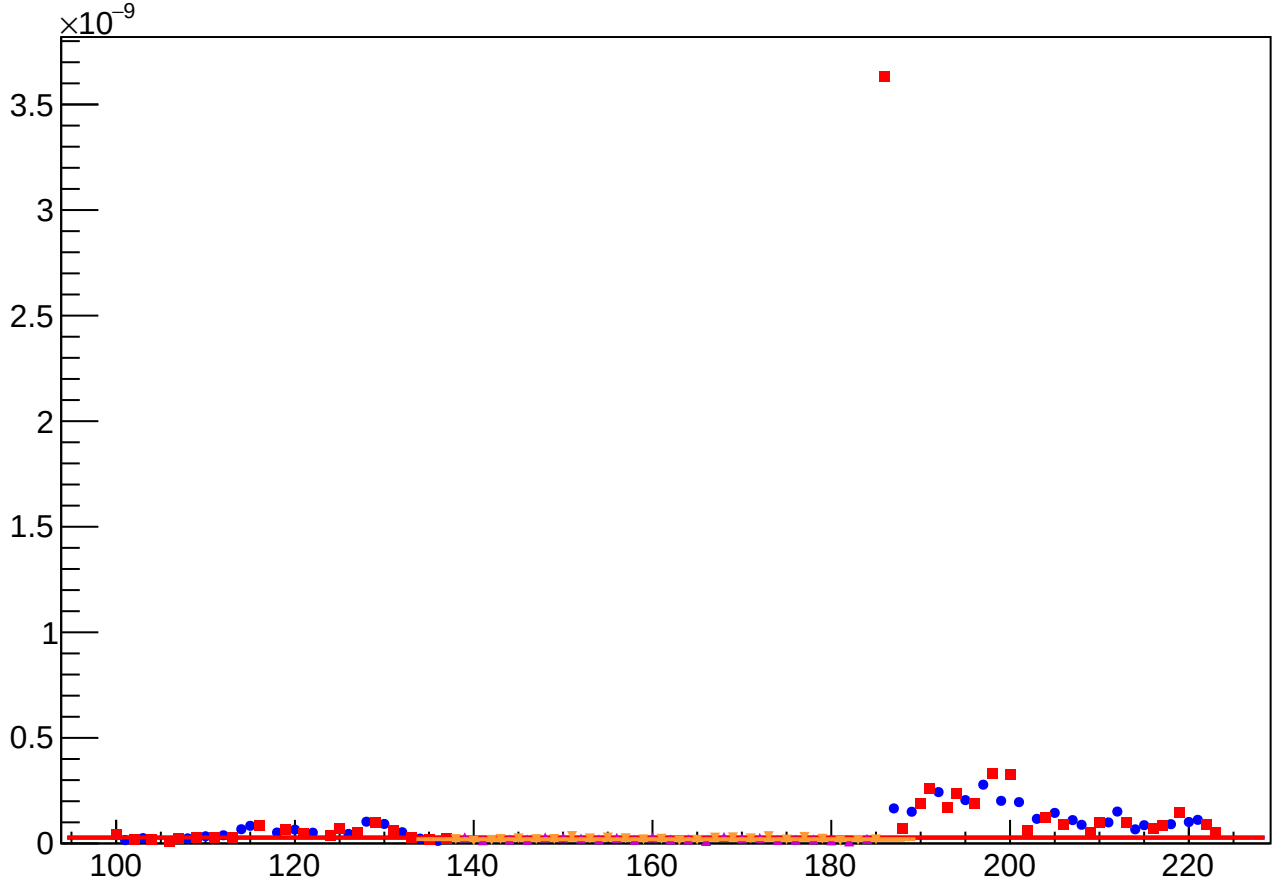
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.5/58

All: 0.000+/-0.000 χ^2/NDF: 137.2/120

- sign -0.000+/-0.000 χ^2/NDF: 57.0/61

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11059757.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9979140.6/38

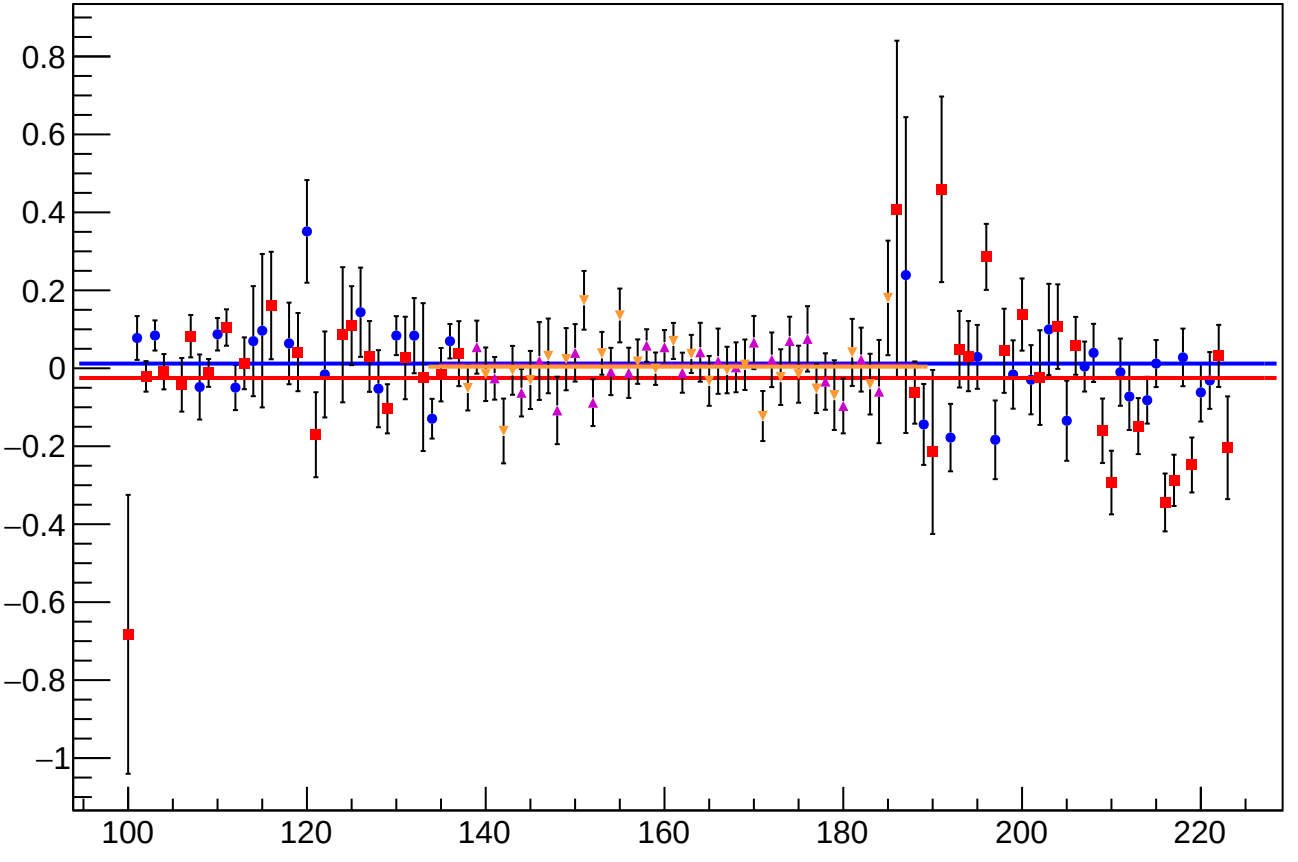
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12546182.7/58

All: 0.000+/-0.000 χ^2/NDF: 24308157.6/120

- sign 0.000+/-0.000 χ^2/NDF: 11754375.6/61

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 49.9/33

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

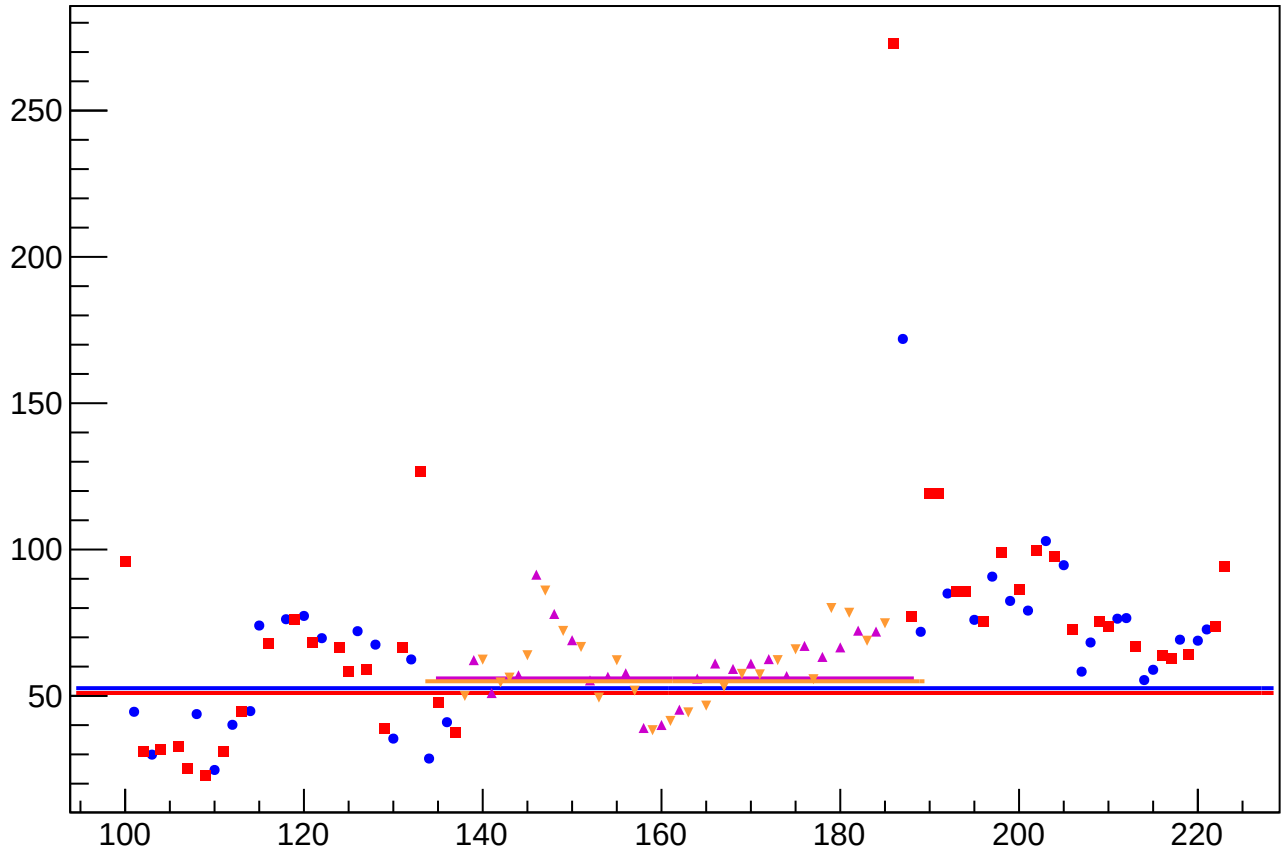
Right Out: -0.025+/-0.012 χ^2/NDF: 114.6/38

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.008+/-0.009 χ^2/NDF: 74.9/58

All: -0.001+/-0.006 χ^2/NDF: 209.9/120

- sign -0.011+/-0.009 χ^2/NDF: 132.8/61



Right In: 52.627+/-0.009 χ^2/NDF: 5808072.4/33

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

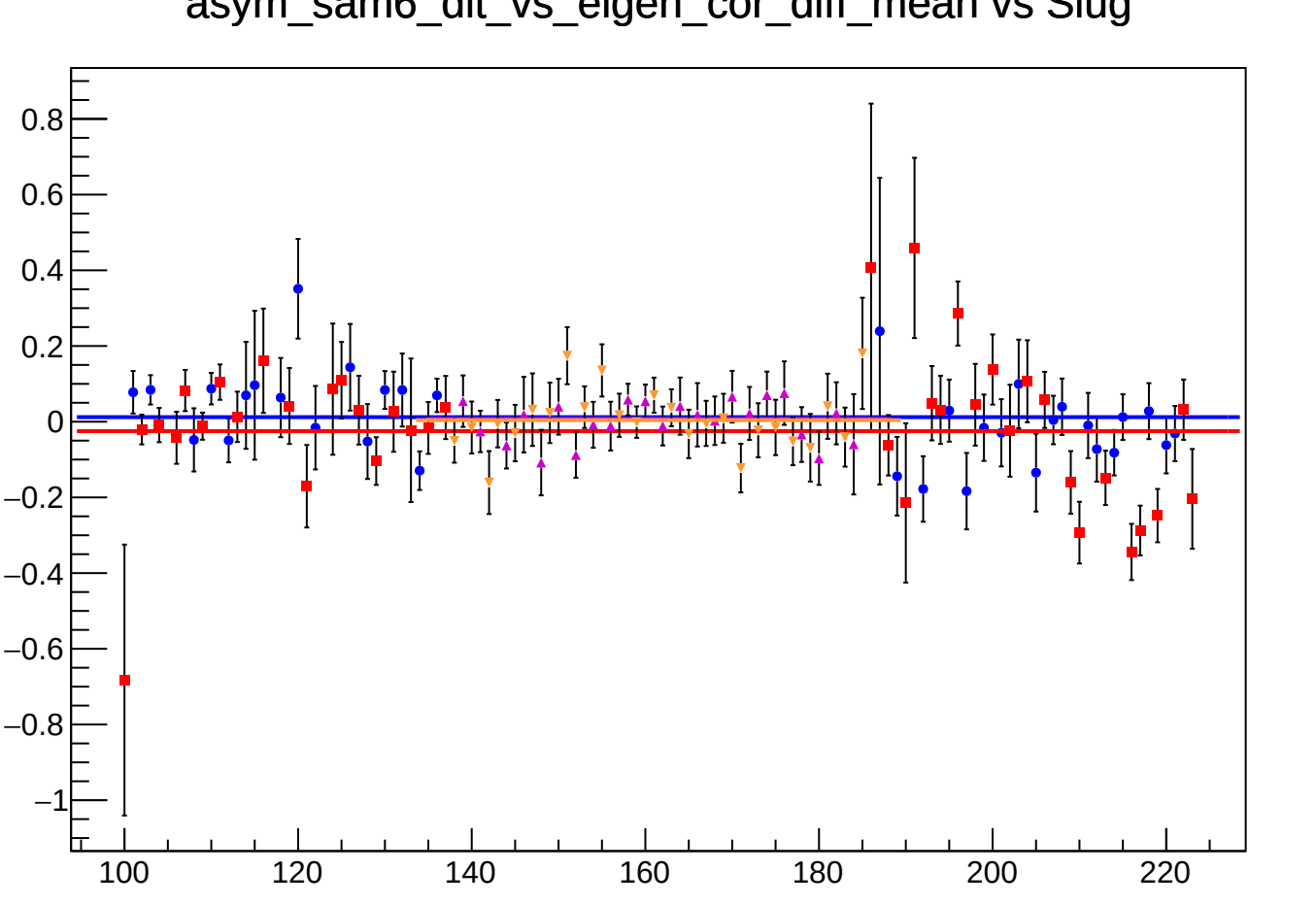
Right Out: 50.979+/-0.009 χ^2/NDF: 8252912.9/38

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 53.747+/-0.006 χ^2/NDF: 7409768.0/58

All: 53.475+/-0.004 χ^2/NDF: 17222809.2/120

- sign 53.198+/-0.006 χ^2/NDF: 9809298.3/61



Right In: 0.012+/-0.012 χ^2/NDF: 49.9/33

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.025+/-0.012 χ^2/NDF: 114.6/38

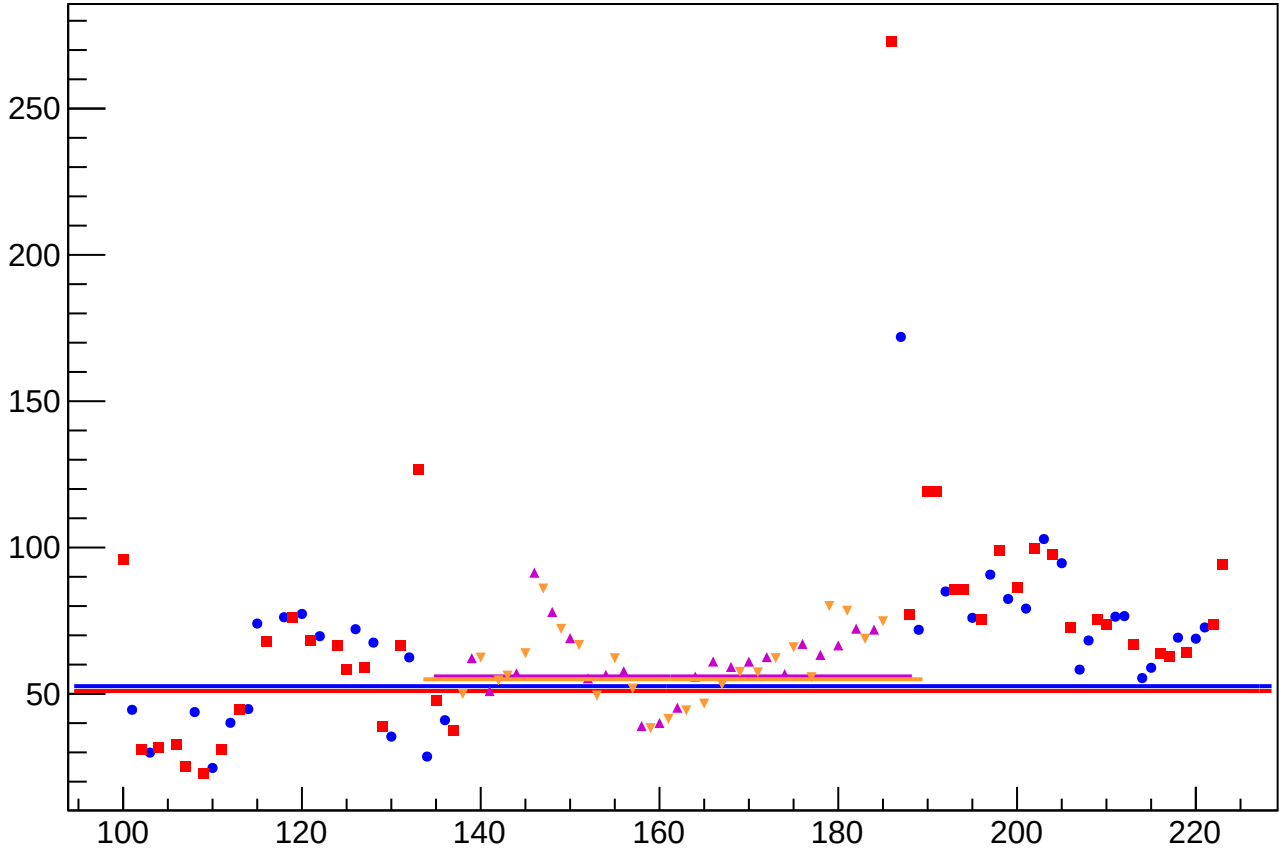
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.008+/-0.009 χ^2/NDF: 74.9/58

All: -0.001+/-0.006 χ^2/NDF: 209.9/120

- sign -0.011+/-0.009 χ^2/NDF: 132.8/61

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.627+/-0.009 χ^2/NDF: 5808072.4/33

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

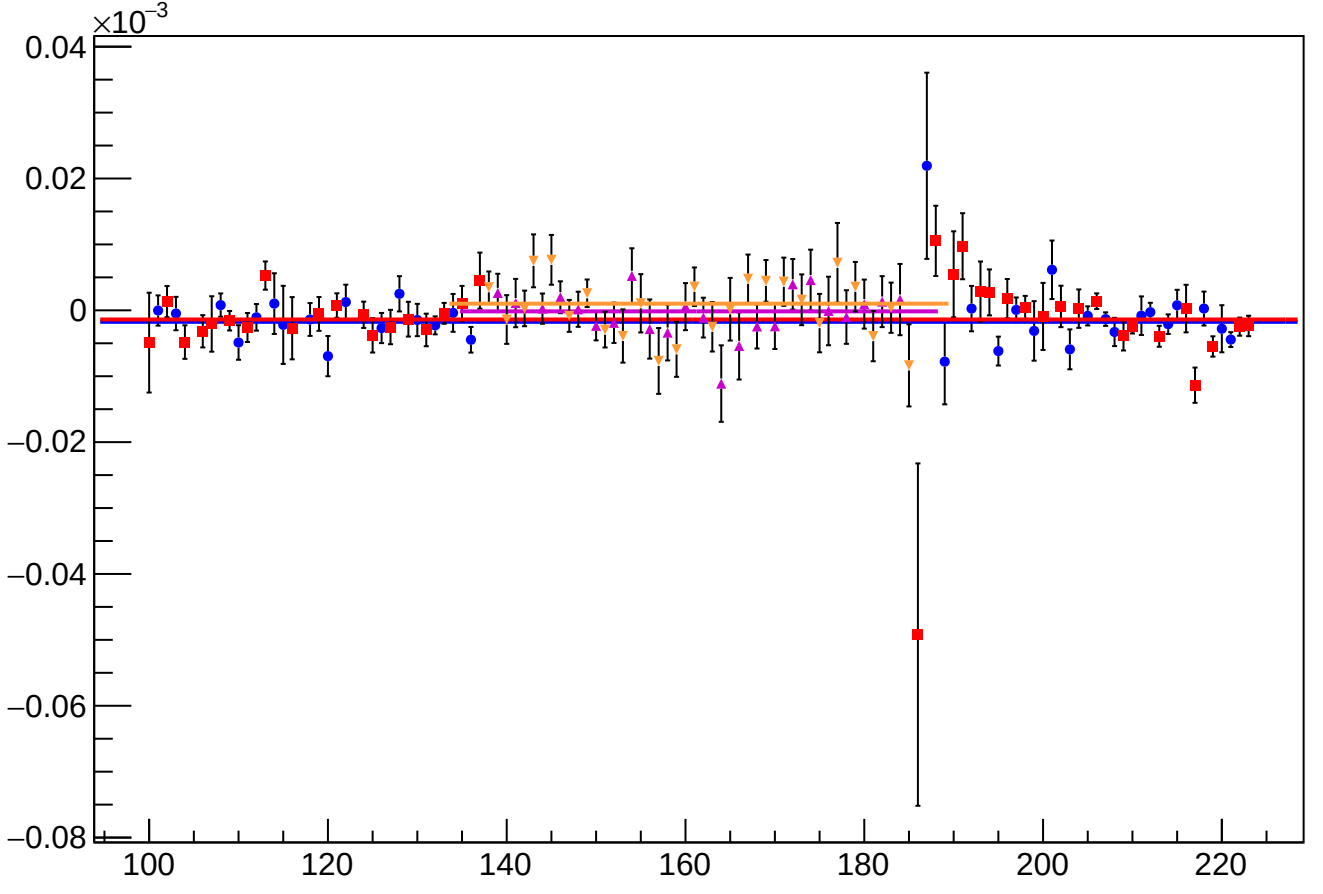
Right Out: 50.979+/-0.009 χ^2/NDF: 8252912.9/38

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 53.747+/-0.006 χ^2/NDF: 7409768.0/58

All: 53.475+/-0.004 χ^2/NDF: 17222809.2/120

- sign 53.198+/-0.006 χ^2/NDF: 9809298.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 72.3/38

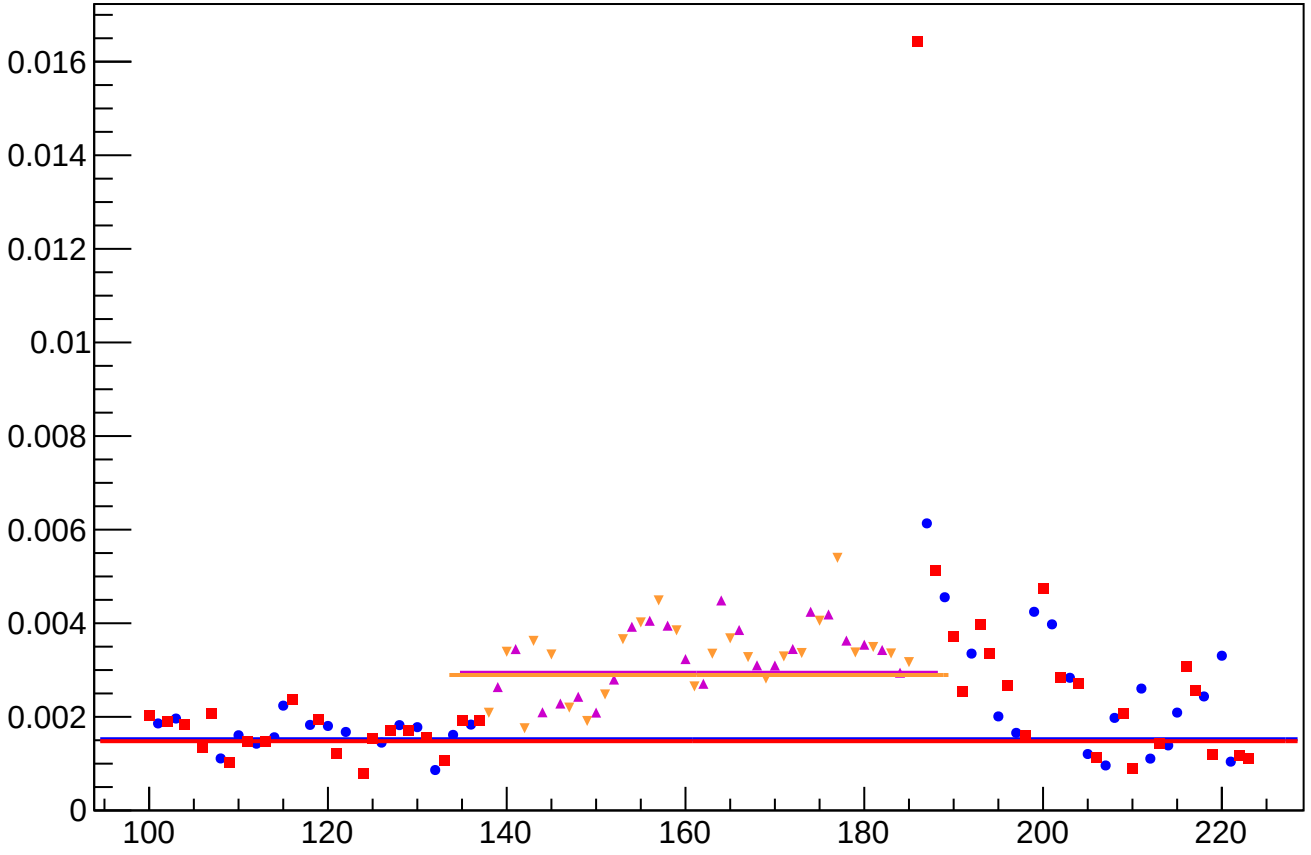
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.2/58

All: -0.000+/-0.000 χ^2/NDF: 168.0/120

- sign -0.000+/-0.000 χ^2/NDF: 88.8/61

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6381598.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7989913.7/38

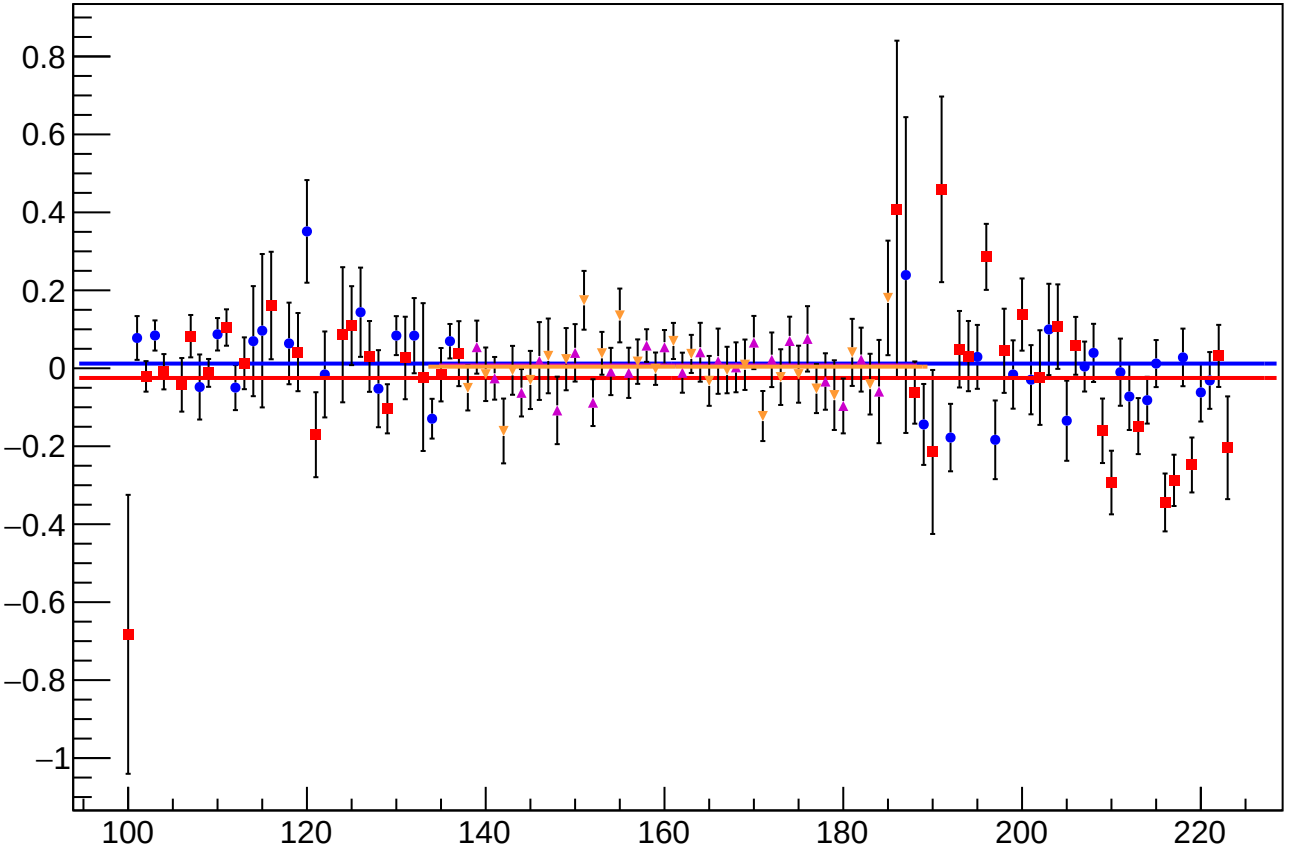
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 15292228.5/58

All: 0.002+/-0.000 χ^2/NDF: 32029488.5/120

- sign 0.002+/-0.000 χ^2/NDF: 16707776.2/61

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 49.9/33

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.025+/-0.012 χ^2/NDF: 114.6/38

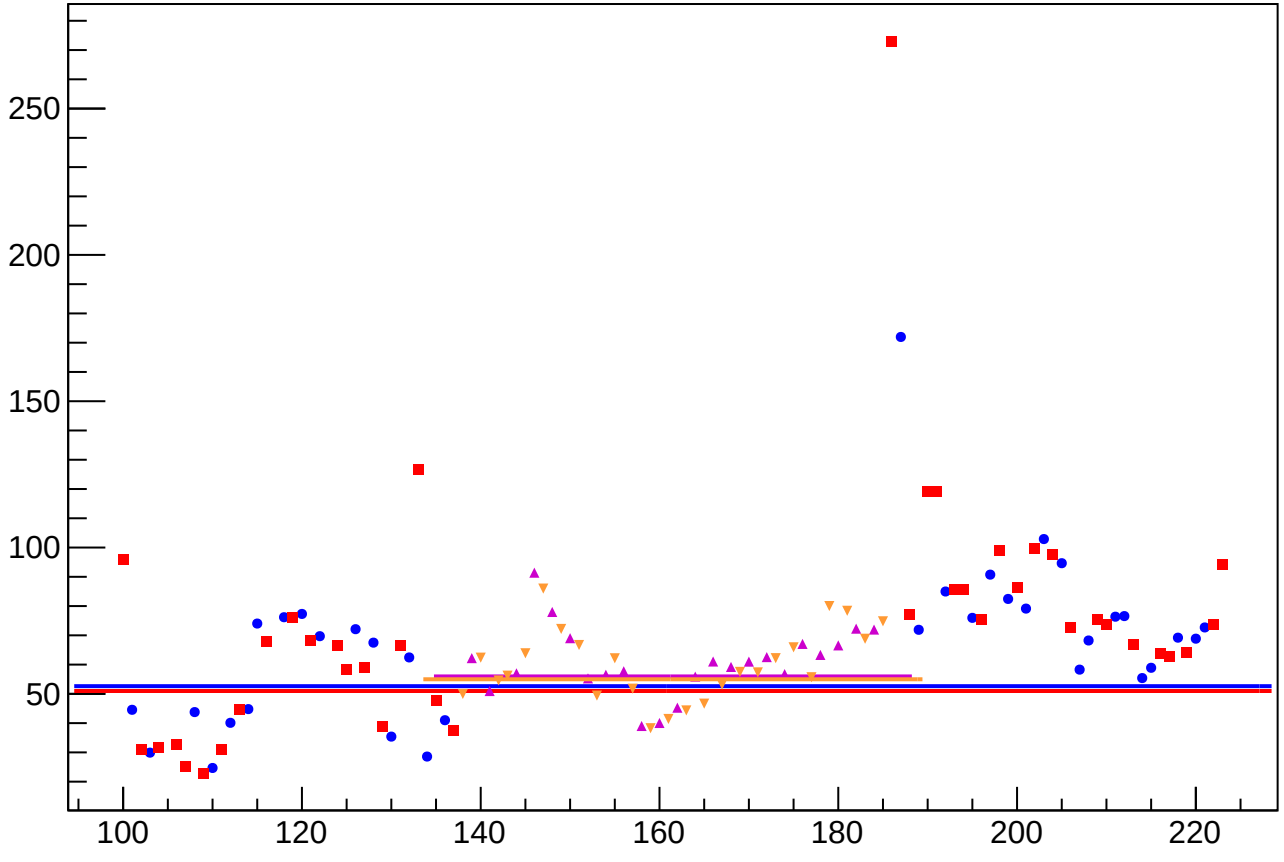
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.008+/-0.009 χ^2/NDF: 74.9/58

All: -0.001+/-0.006 χ^2/NDF: 209.9/120

- sign -0.011+/-0.009 χ^2/NDF: 132.8/61

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.626+/-0.009 χ^2/NDF: 5808254.7/33

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

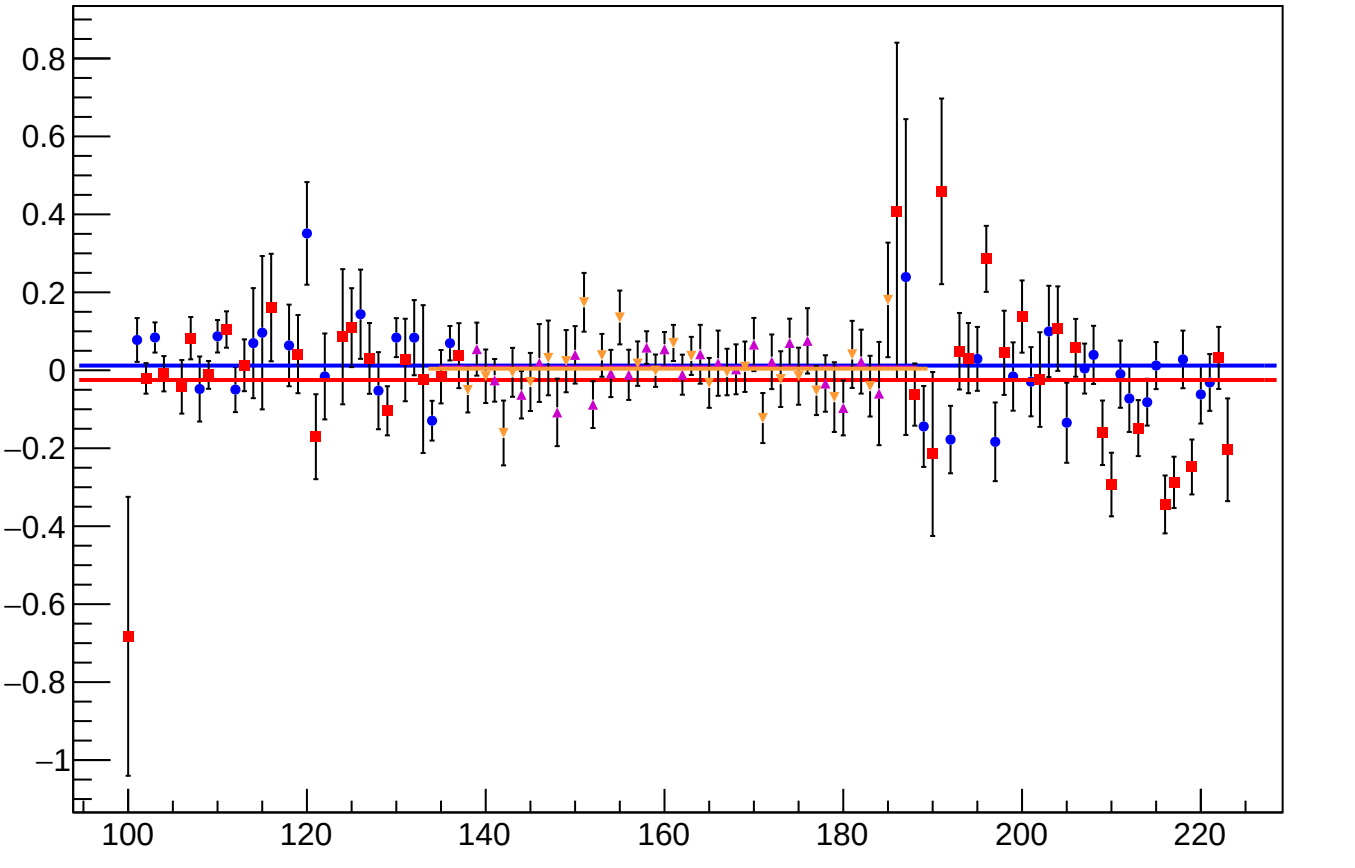
Right Out: 50.979+/-0.009 χ^2/NDF: 8252958.4/38

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 53.746+/-0.006 χ^2/NDF: 7410057.2/58

All: 53.474+/-0.004 χ^2/NDF: 17223262.9/120

- sign 53.197+/-0.006 χ^2/NDF: 9809463.7/61



Right In: 0.012+/-0.012 χ^2/NDF: 49.9/33

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

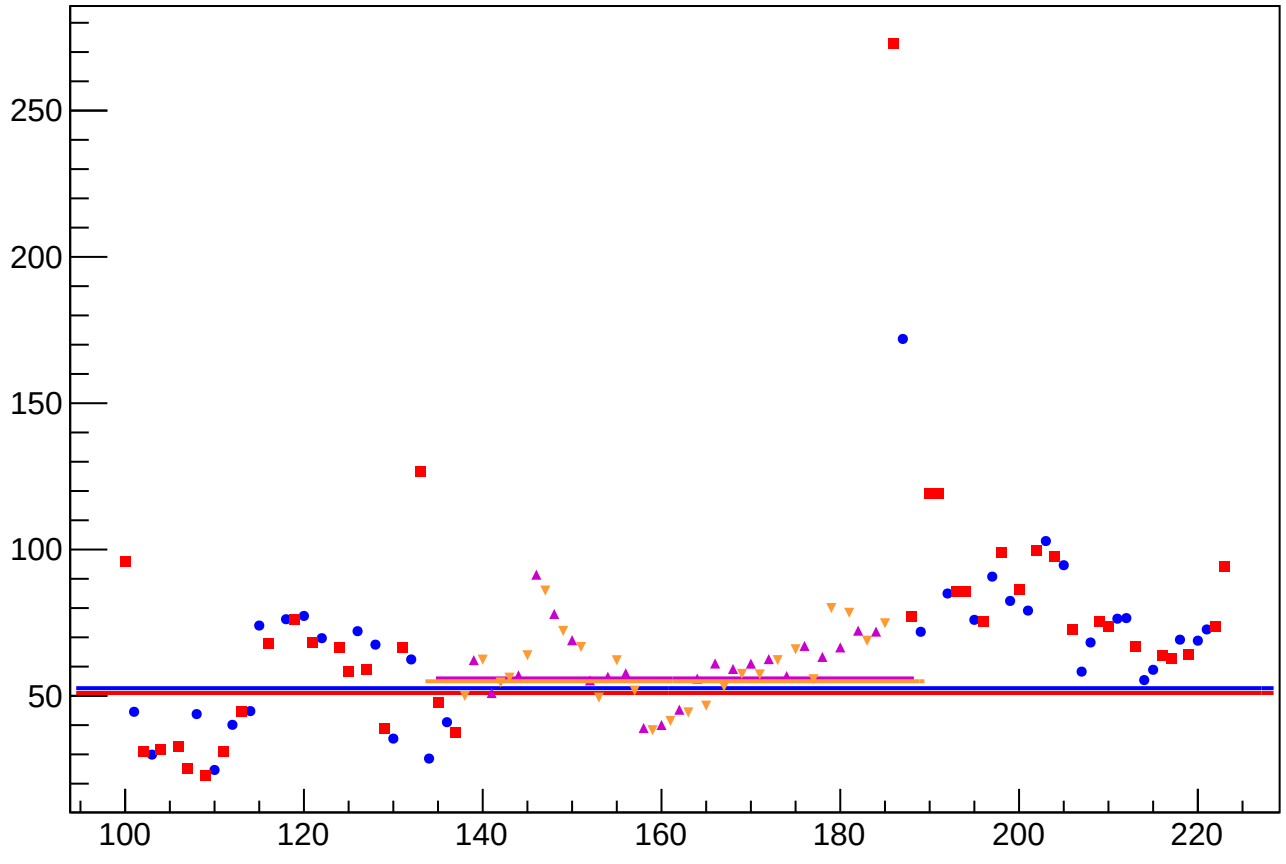
Right Out: -0.025+/-0.012 χ^2/NDF: 114.6/38

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.008+/-0.009 χ^2/NDF: 74.9/58

All: -0.001+/-0.006 χ^2/NDF: 209.9/120

- sign -0.011+/-0.009 χ^2/NDF: 132.8/61



Right In: 52.626+/-0.009 χ^2/NDF: 5808254.7/33

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 50.979+/-0.009 χ^2/NDF: 8252958.4/38

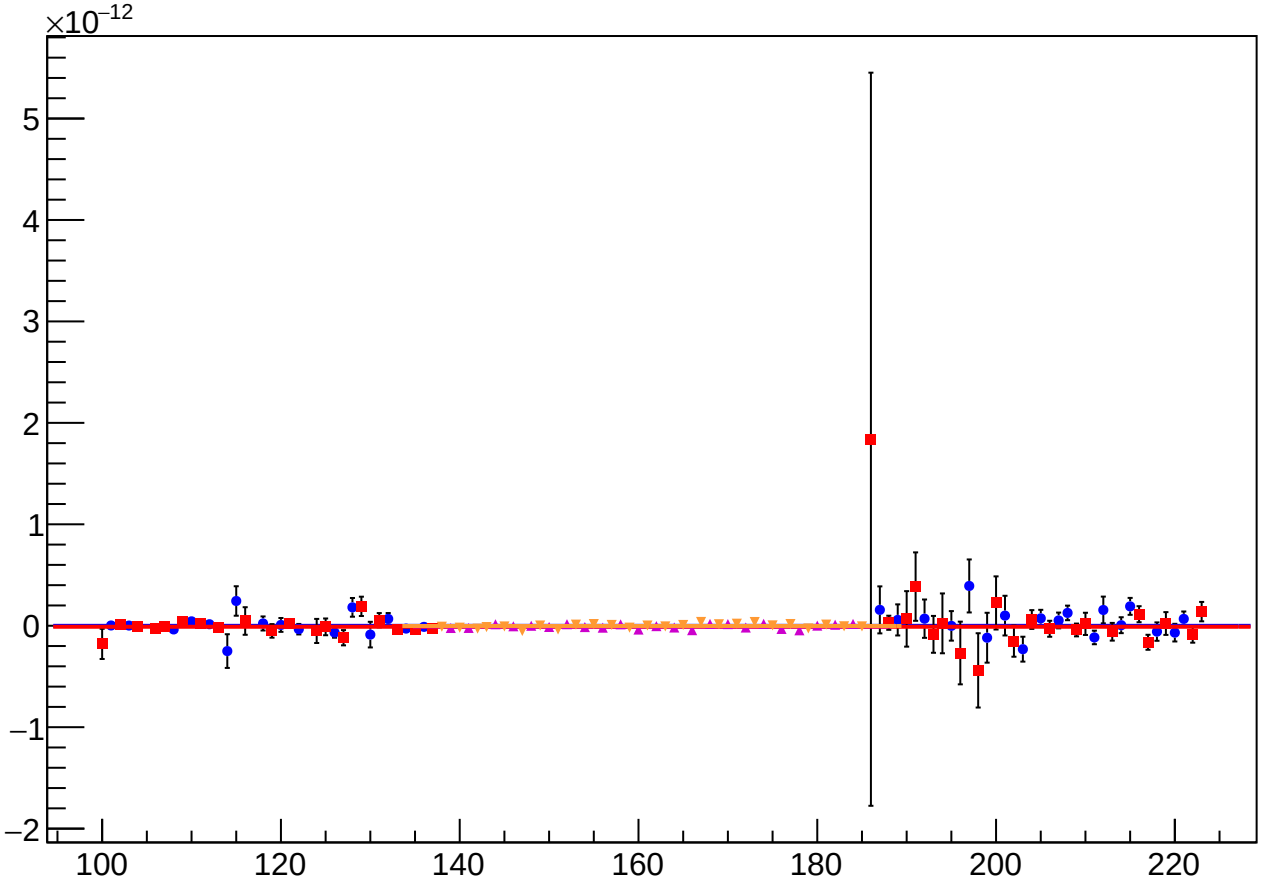
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 53.746+/-0.006 χ^2/NDF: 7410057.2/58

All: 53.474+/-0.004 χ^2/NDF: 17223262.9/120

- sign 53.197+/-0.006 χ^2/NDF: 9809463.7/61

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/33

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

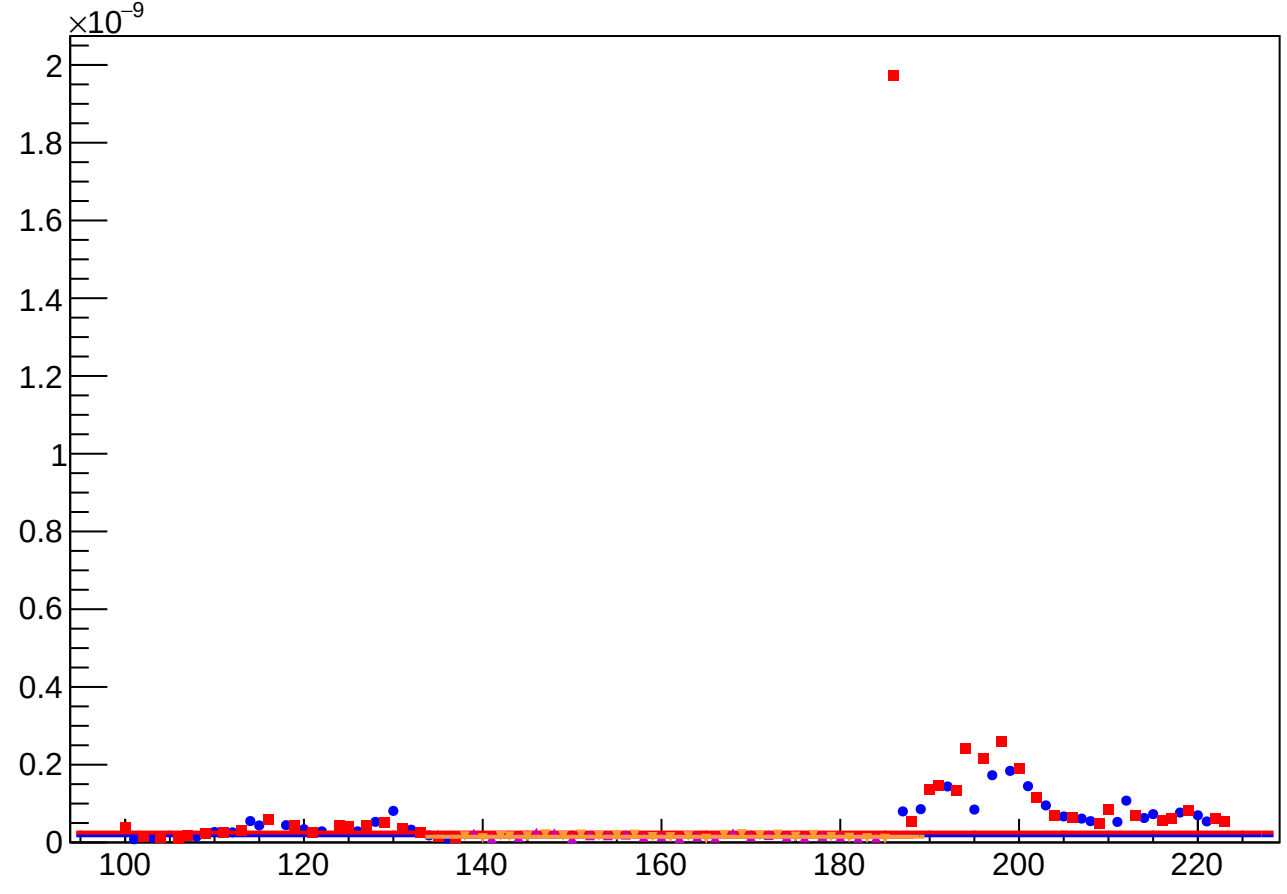
Right Out: -0.000+/-0.000 χ^2/NDF: 33.3/38

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/58

All: -0.000+/-0.000 χ^2/NDF: 115.4/120

- sign -0.000+/-0.000 χ^2/NDF: 55.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 15861670.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13685705.1/38

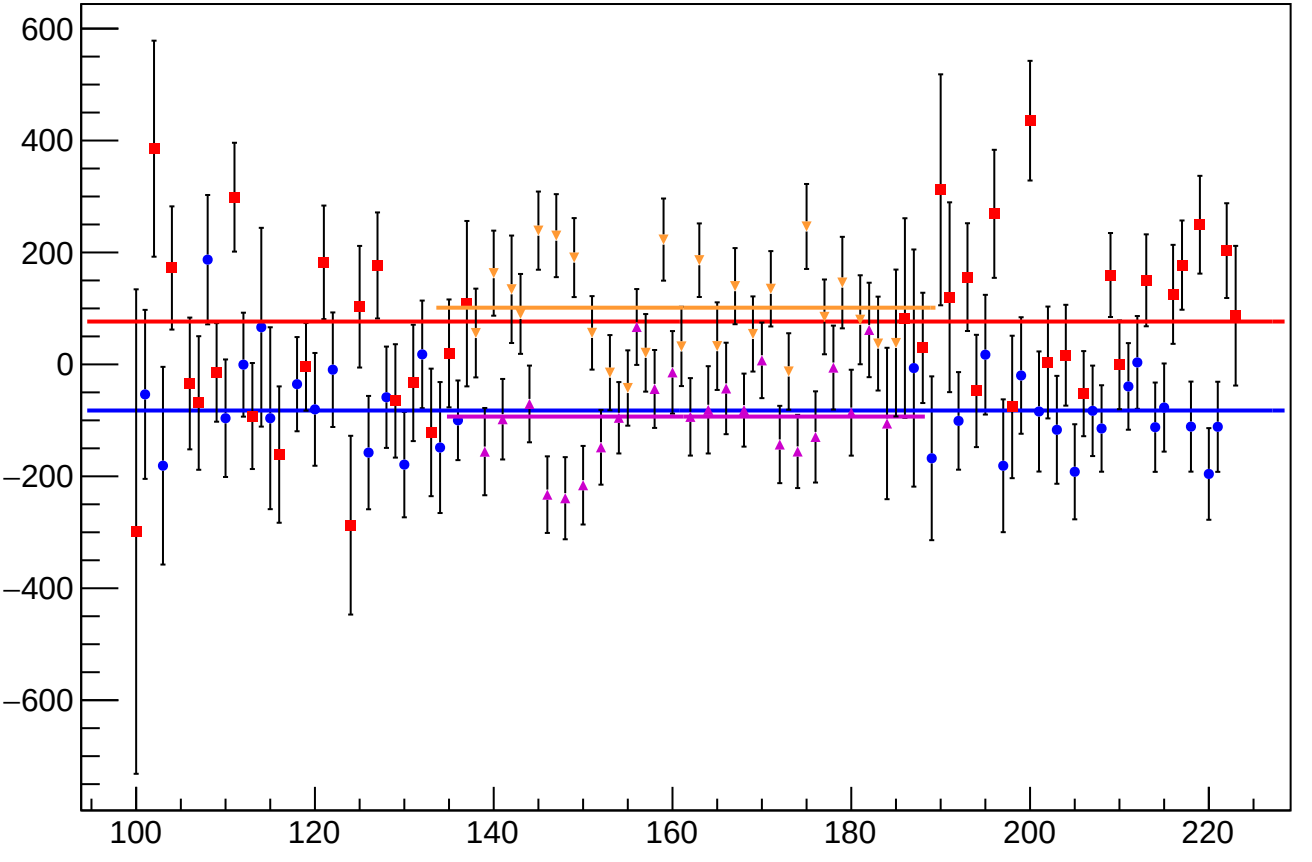
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17683983.9/58

All: 0.000+/-0.000 χ^2/NDF: 35394711.1/120

- sign 0.000+/-0.000 χ^2/NDF: 17580215.6/61

reg_asym_sam7_mean vs Slug



Right In: -82.399+/-16.514 χ^2/NDF: 19.4/33

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 76.569+/-16.411 χ^2/NDF: 69.0/38

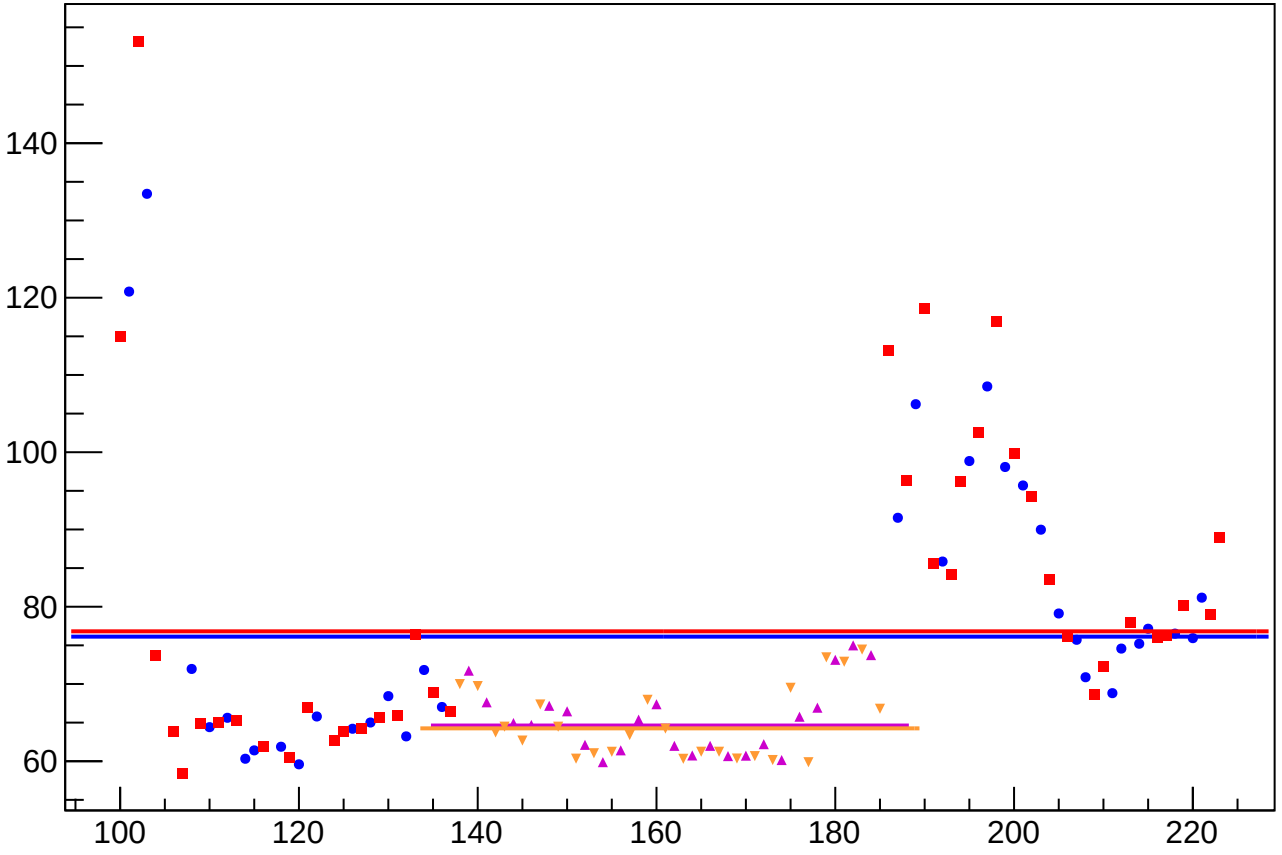
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

\+ sign 20.466+/-10.956 χ^2/NDF: 122.5/58

All: 2.918+/-7.807 χ^2/NDF: 283.4/120

\- sign -15.180+/-11.126 χ^2/NDF: 155.7/61

reg_asym_sam7_rms vs Slug



Right In: 76.129+/-0.012 χ^2/NDF: 1340224.1/33

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.815+/-0.012 χ^2/NDF: 1636743.2/38

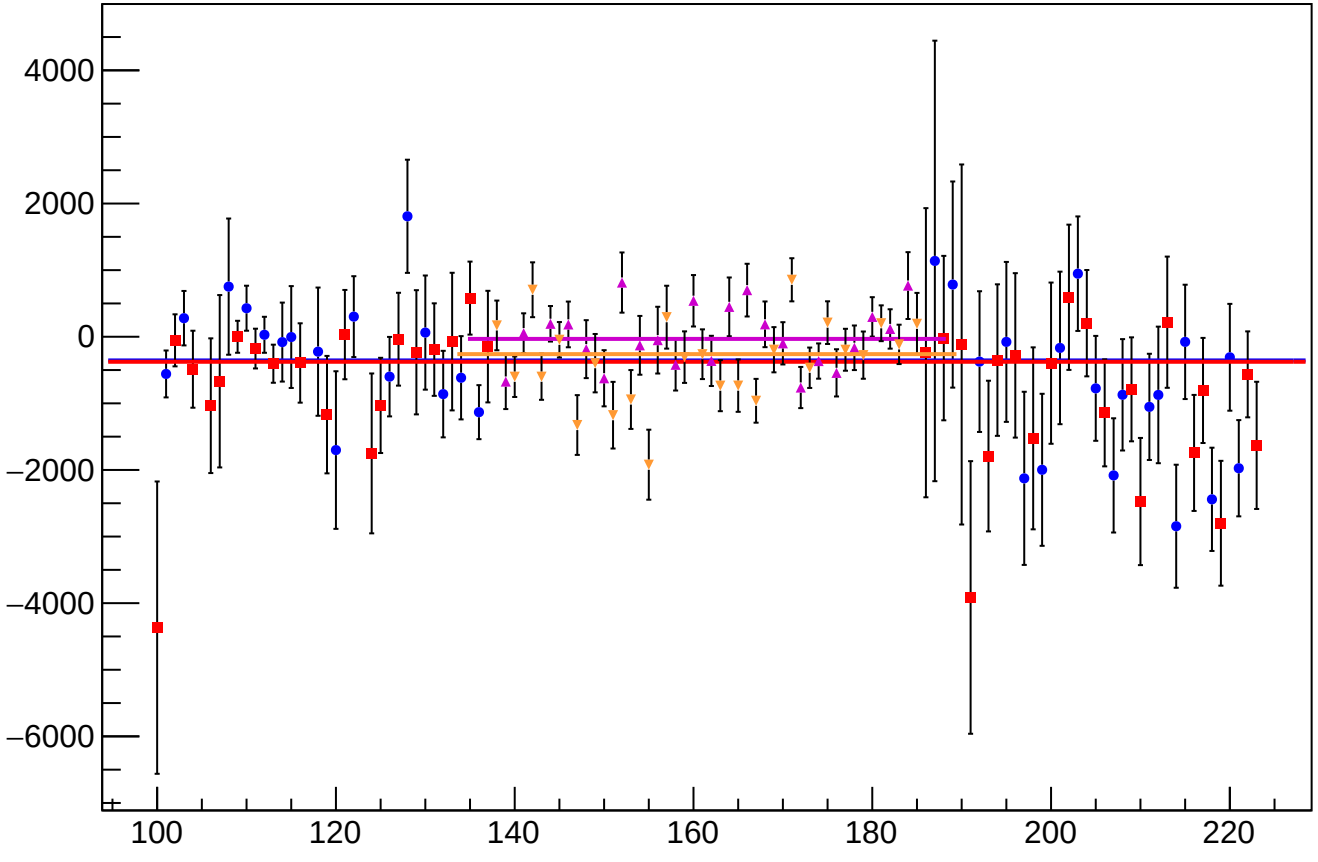
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.481+/-0.008 χ^2/NDF: 2096785.3/58

All: 69.848+/-0.006 χ^2/NDF: 4481905.5/120

- sign 70.226+/-0.008 χ^2/NDF: 2380566.8/61

asym_sam7_reg_correction_mean vs Slug



Right In: -355.554+/-109.600 χ^2/NDF: 58.0/33

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -375.643+/-104.231 χ^2/NDF: 38.6/38

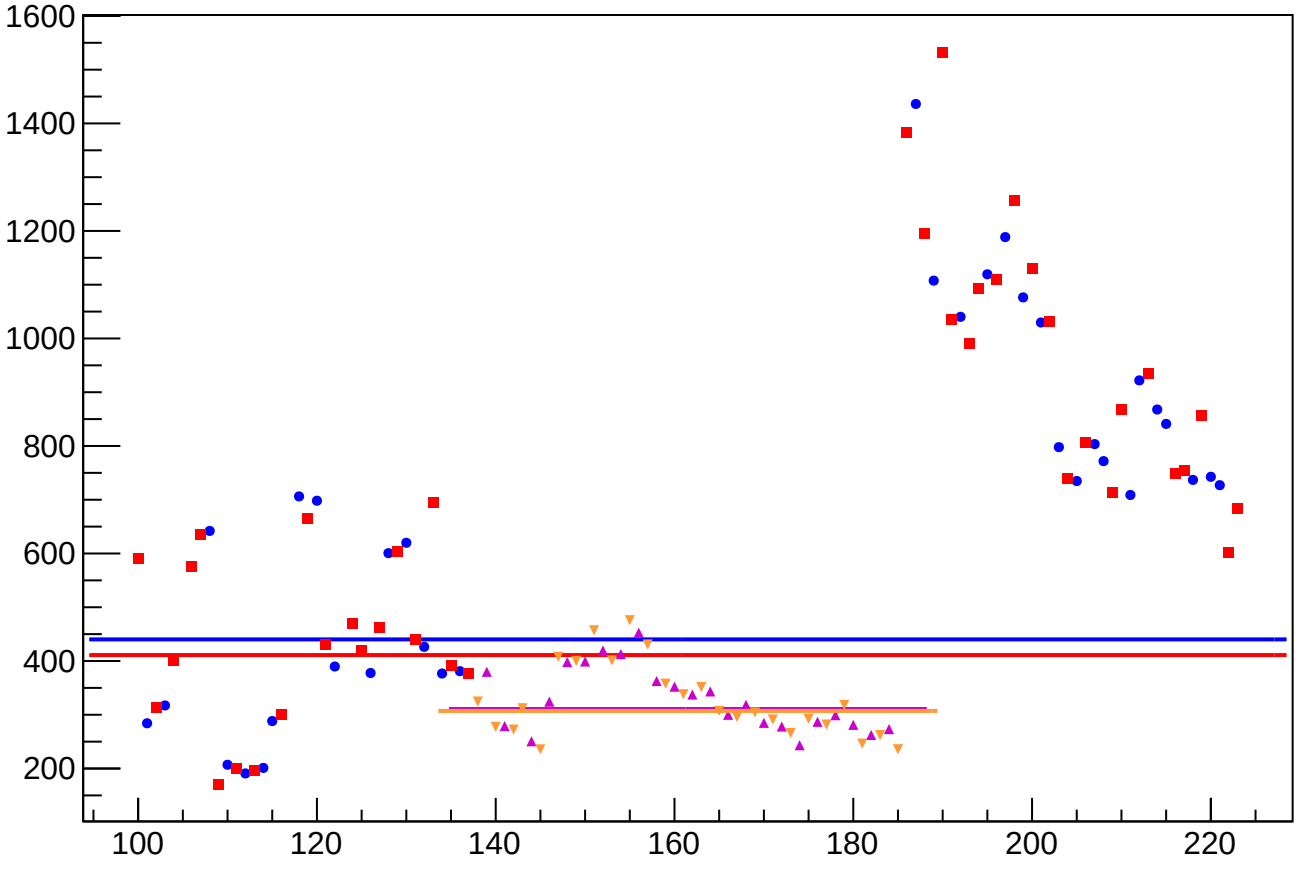
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -289.186+/-59.747 χ^2/NDF: 117.3/58

All: -218.744+/-42.425 χ^2/NDF: 197.7/120

- sign -147.109+/-60.251 χ^2/NDF: 77.5/61

asym_sam7_reg_correction_rms vs Slug



Right In: 440.203+/-0.077 χ^2/NDF: 11596060.0/33

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

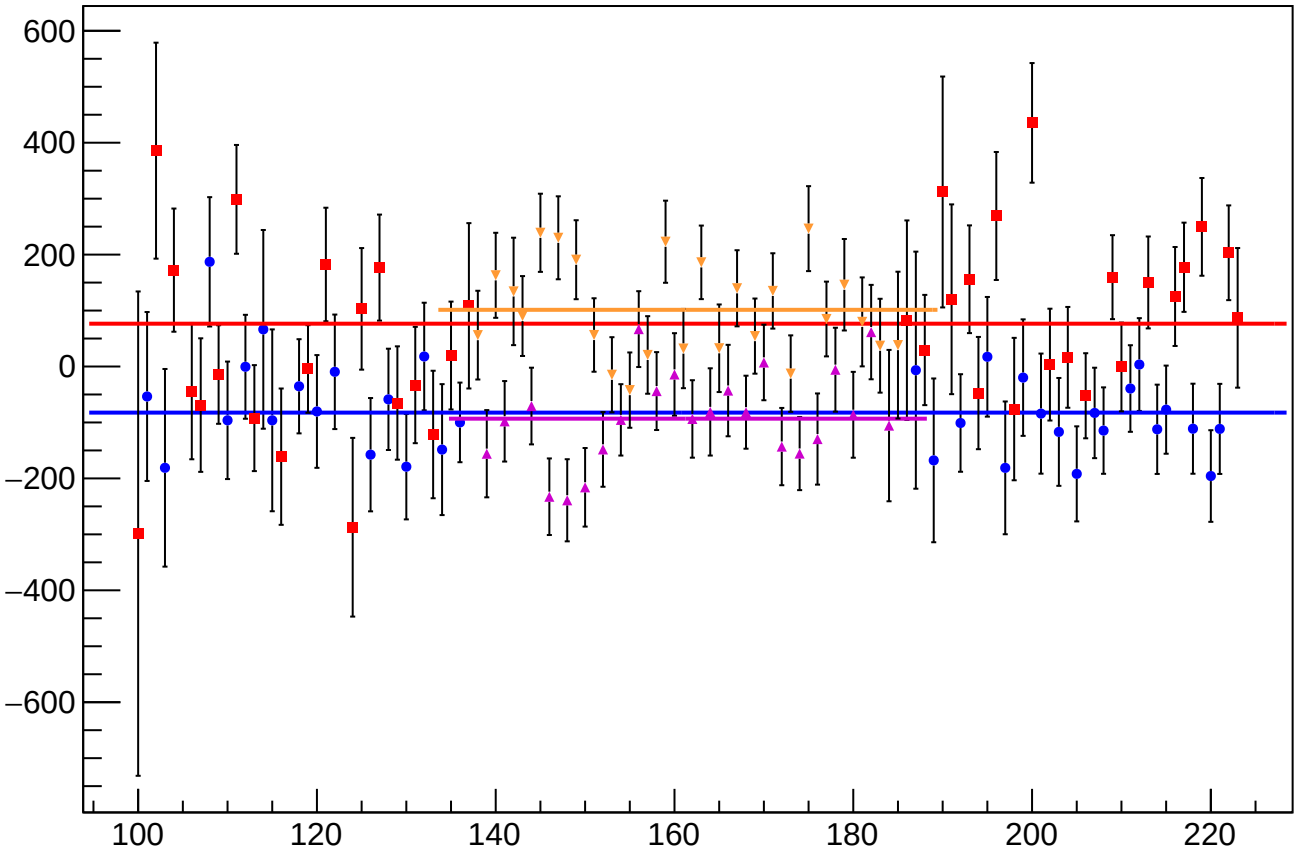
Right Out: 411.041+/-0.074 χ^2/NDF: 14249649.6/38

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 346.686+/-0.042 χ^2/NDF: 14988018.8/58

All: 345.467+/-0.030 χ^2/NDF: 31553049.0/12

- sign 344.227+/-0.043 χ^2/NDF: 16563350.5/61



Right In: -82.400+/-16.514 χ^2/NDF: 19.4/33

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 76.530+/-16.421 χ^2/NDF: 69.1/38

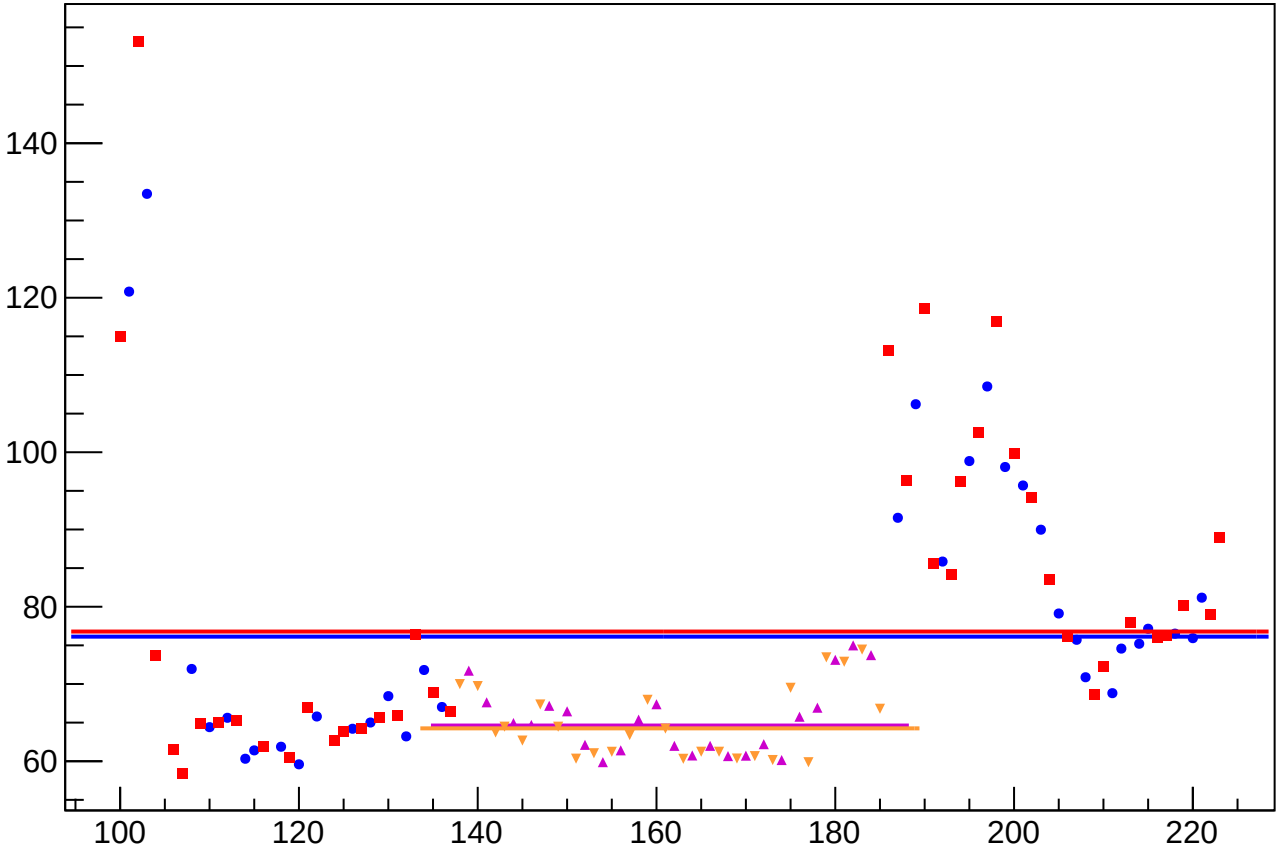
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 20.465+/-10.956 χ^2/NDF: 122.5/58

All: 2.888+/-7.808 χ^2/NDF: 283.5/120

- sign -15.251+/-11.130 χ^2/NDF: 155.7/61

cor_asym_sam7_rms vs Slug



Right In: 76.129+/-0.012 χ^2/NDF: 1340224.4/33

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.788+/-0.012 χ^2/NDF: 1644147.6/38

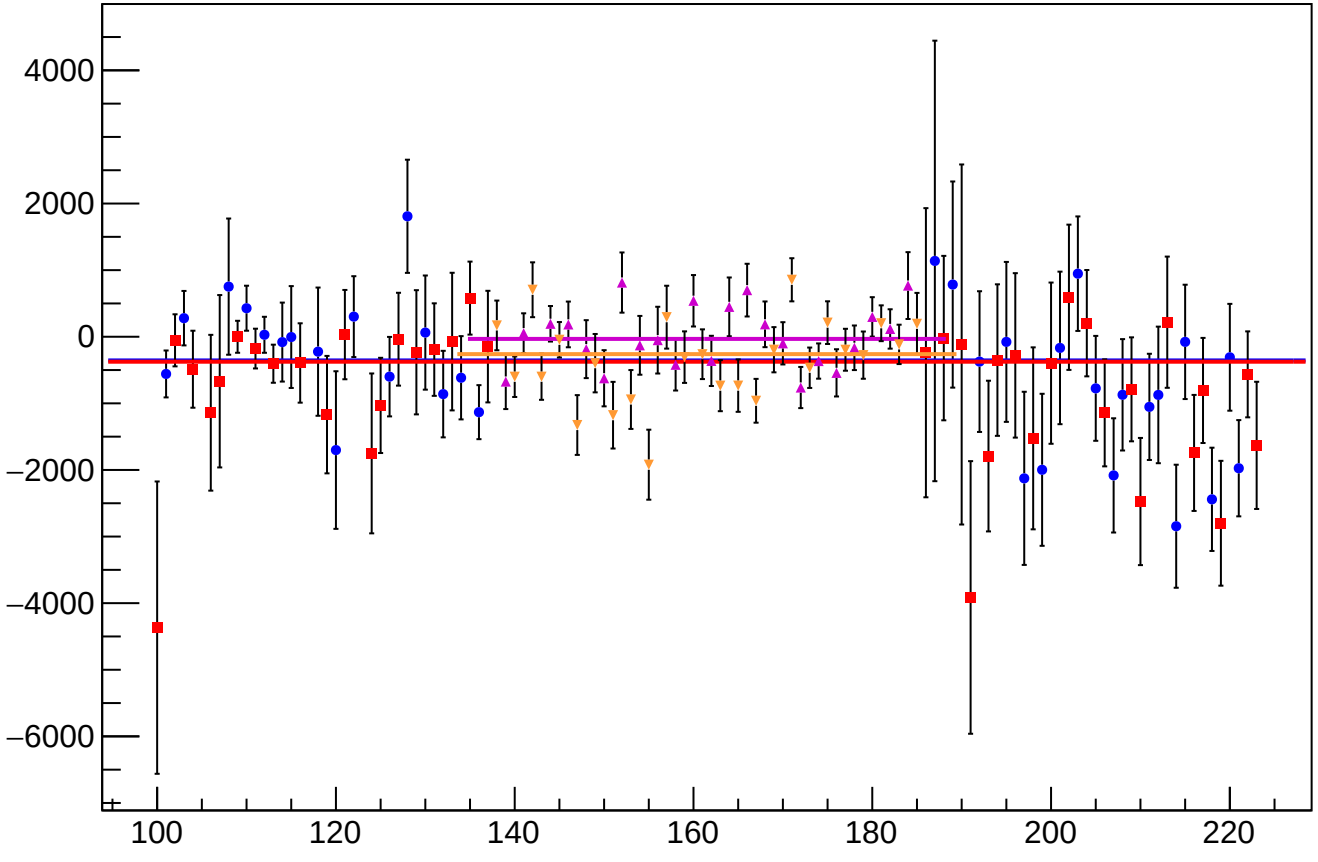
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 69.481+/-0.008 χ^2/NDF: 2096785.6/58

All: 69.840+/-0.006 χ^2/NDF: 4486122.7/120

\- sign 70.210+/-0.008 χ^2/NDF: 2384978.5/61

asym_sam7_cor_correction_mean vs Slug



Right In: -355.553+/-109.600 χ^2/NDF: 58.0/33

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -374.732+/-104.374 χ^2/NDF: 38.6/38

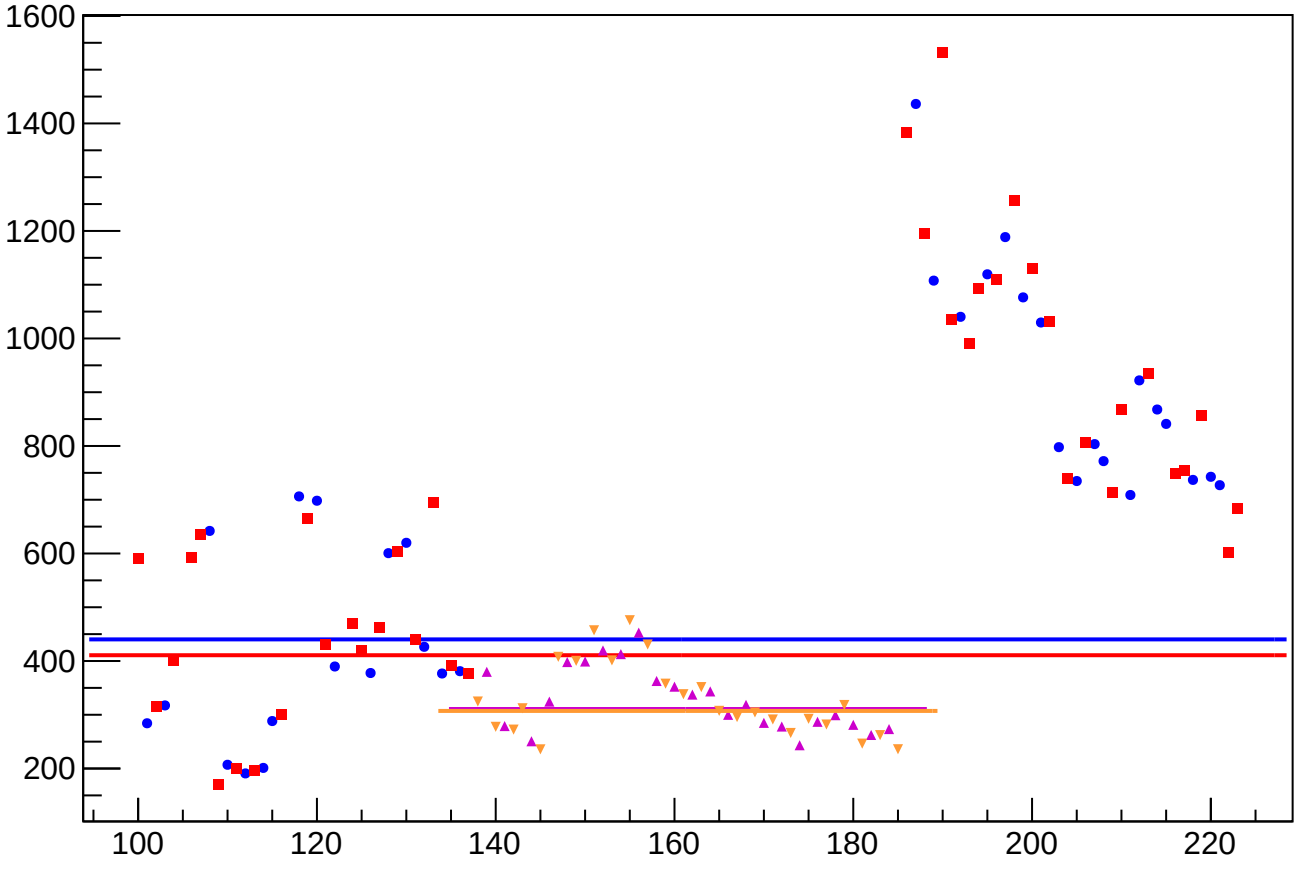
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -289.186+/-59.747 χ^2/NDF: 117.3/58

All: -218.521+/-42.434 χ^2/NDF: 197.6/120

- sign -146.593+/-60.279 χ^2/NDF: 77.5/61

asym_sam7_cor_correction_rms vs Slug



Right In: 440.206+/-0.077 χ^2/NDF: 11595973.5/33

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 410.759+/-0.074 χ^2/NDF: 14244919.1/38

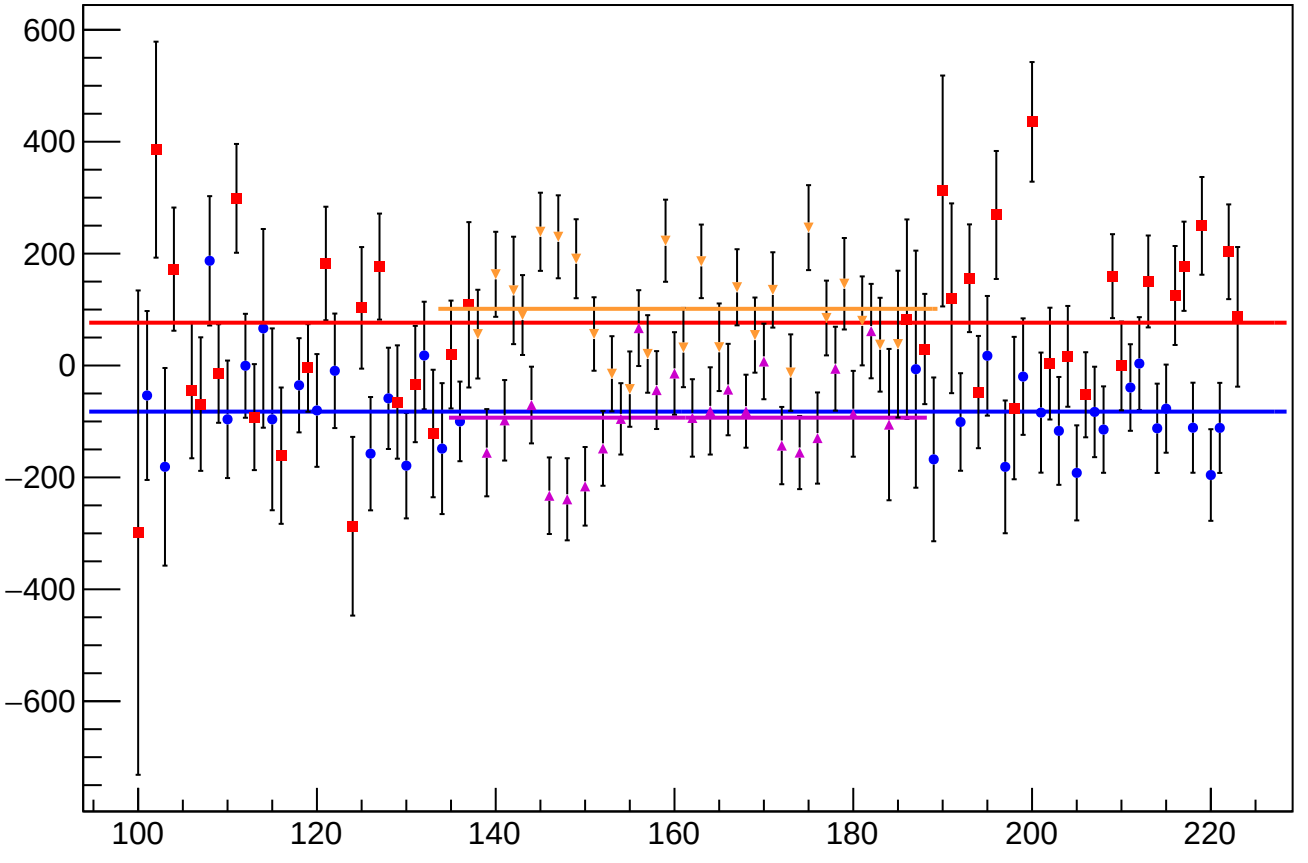
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 346.686+/-0.042 χ^2/NDF: 14988002.0/58

All: 345.391+/-0.030 χ^2/NDF: 31539360.7/12

- sign 344.072+/-0.043 χ^2/NDF: 16549460.6/61

eigen_cor_asym_sam7_mean vs Slug



Right In: -82.400+/-16.514 χ^2/NDF: 19.4/33

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 76.530+/-16.421 χ^2/NDF: 69.1/38

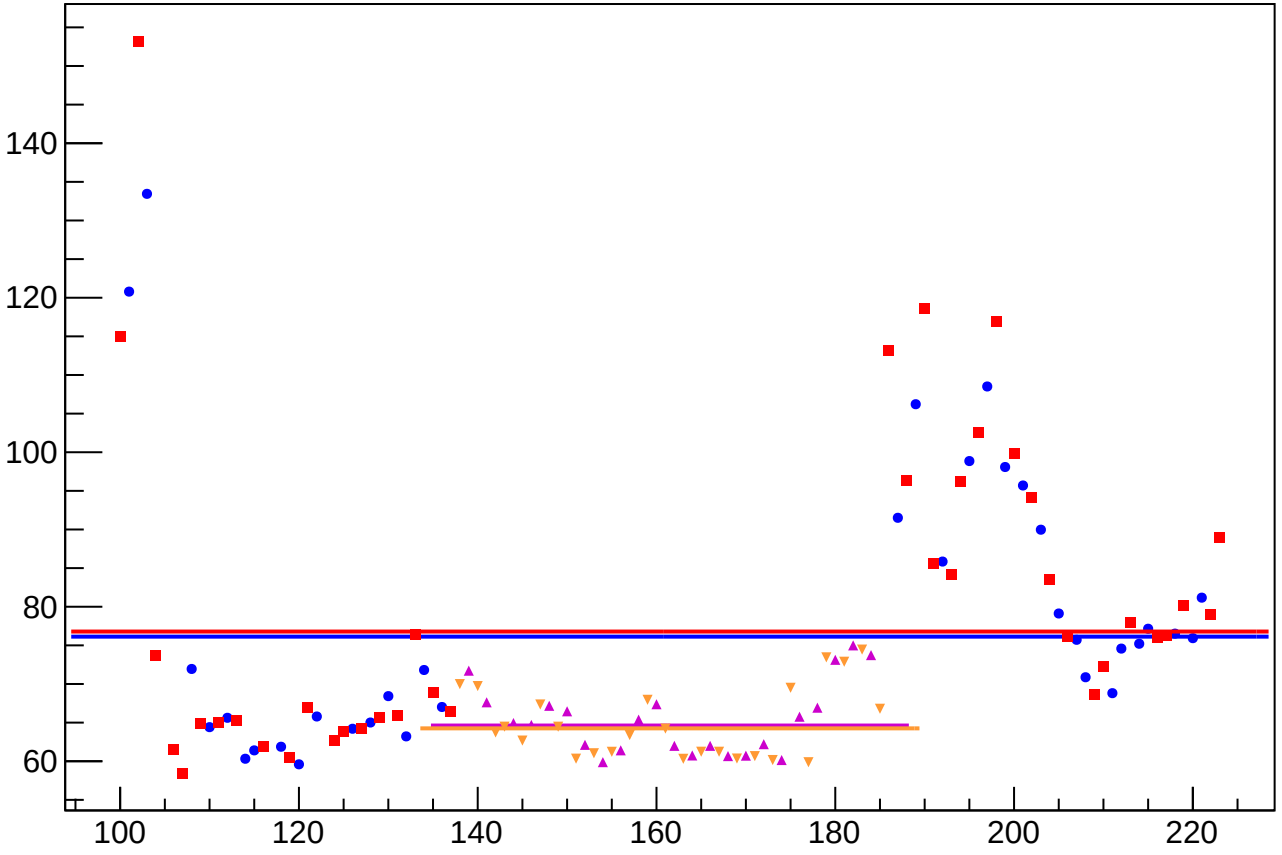
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 20.465+/-10.956 χ^2/NDF: 122.5/58

All: 2.888+/-7.808 χ^2/NDF: 283.5/120

- sign -15.251+/-11.130 χ^2/NDF: 155.7/61

eigen_cor_asym_sam7_rms vs Slug



Right In: 76.129+/-0.012 χ^2/NDF: 1340224.4/33

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

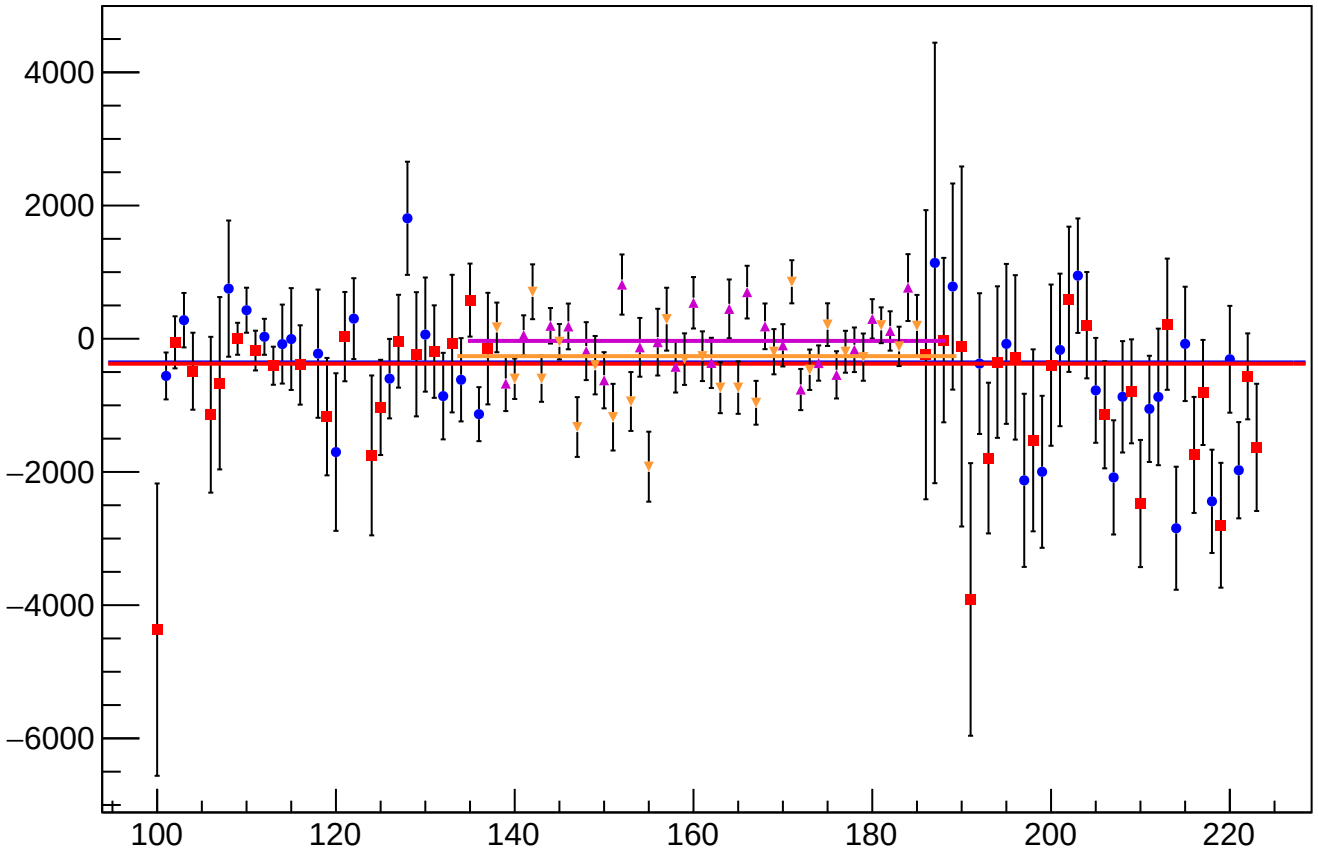
Right Out: 76.788+/-0.012 χ^2/NDF: 1644147.6/38

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.481+/-0.008 χ^2/NDF: 2096785.6/58

All: 69.840+/-0.006 χ^2/NDF: 4486122.7/120

- sign 70.210+/-0.008 χ^2/NDF: 2384978.5/61



Right In: -355.553+/-109.600 χ^2/NDF: 58.0/33

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -374.732+/-104.374 χ^2/NDF: 38.6/38

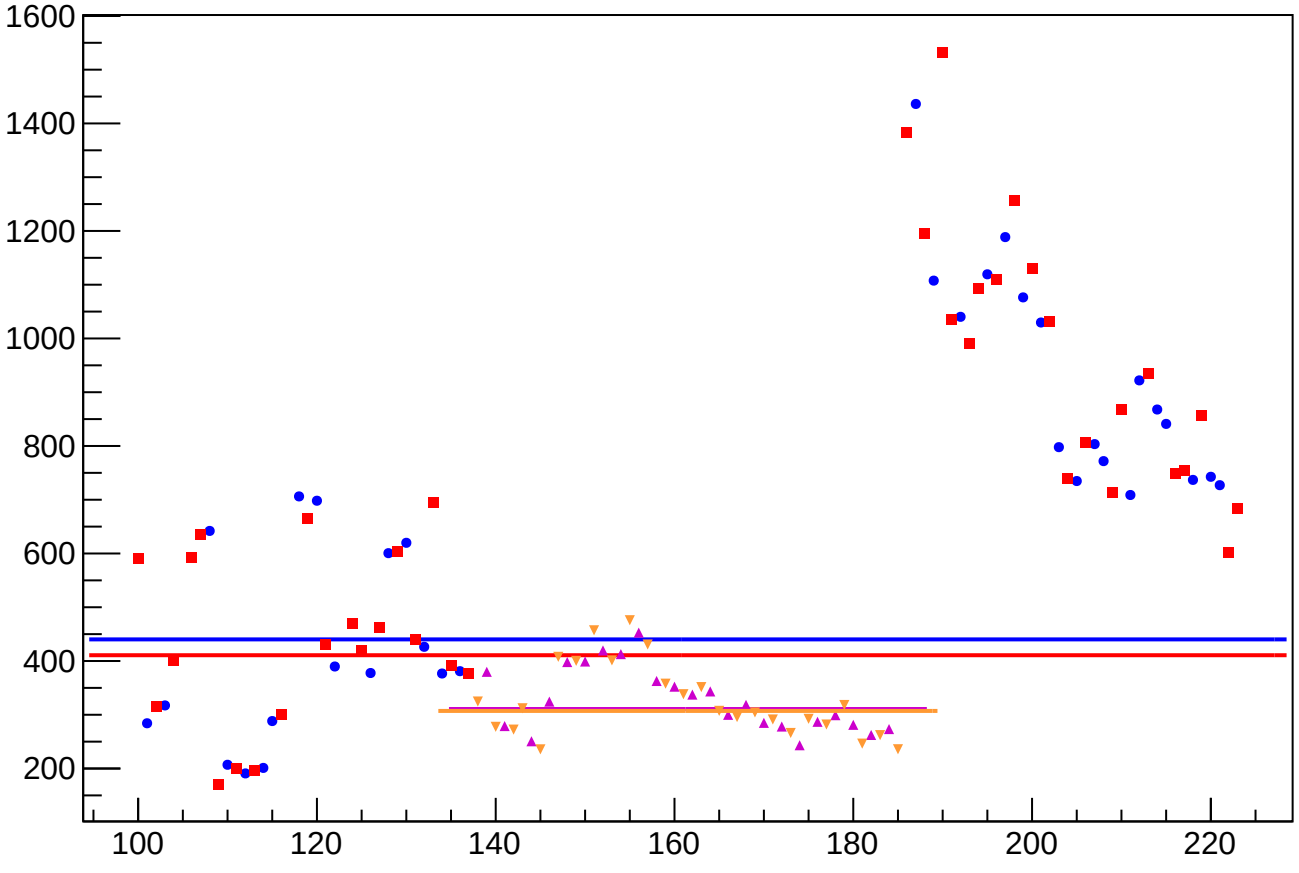
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -289.186+/-59.747 χ^2/NDF: 117.3/58

All: -218.521+/-42.434 χ^2/NDF: 197.6/120

- sign -146.593+/-60.279 χ^2/NDF: 77.5/61

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 440.206+/-0.077 χ^2/NDF: 11595973.5/33

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 410.759+/-0.074 χ^2/NDF: 14244919.1/38

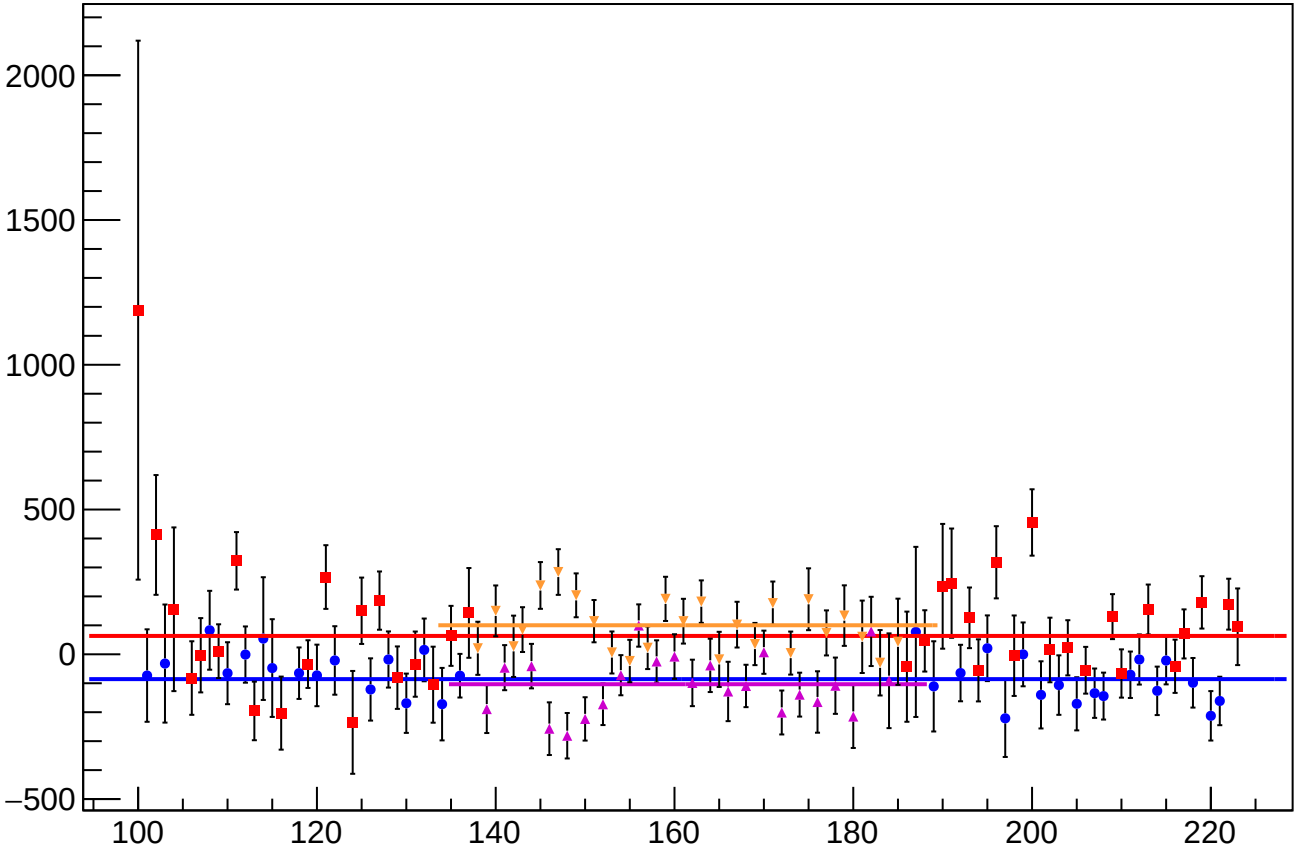
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 346.686+/-0.042 χ^2/NDF: 14988002.0/58

All: 345.391+/-0.030 χ^2/NDF: 31539360.7/12

- sign 344.072+/-0.043 χ^2/NDF: 16549460.6/61

dit_asym_sam7_mean vs Slug



Right In: -85.747+/-17.637 χ^2/NDF: 15.3/33

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 63.442+/-17.613 χ^2/NDF: 69.3/38

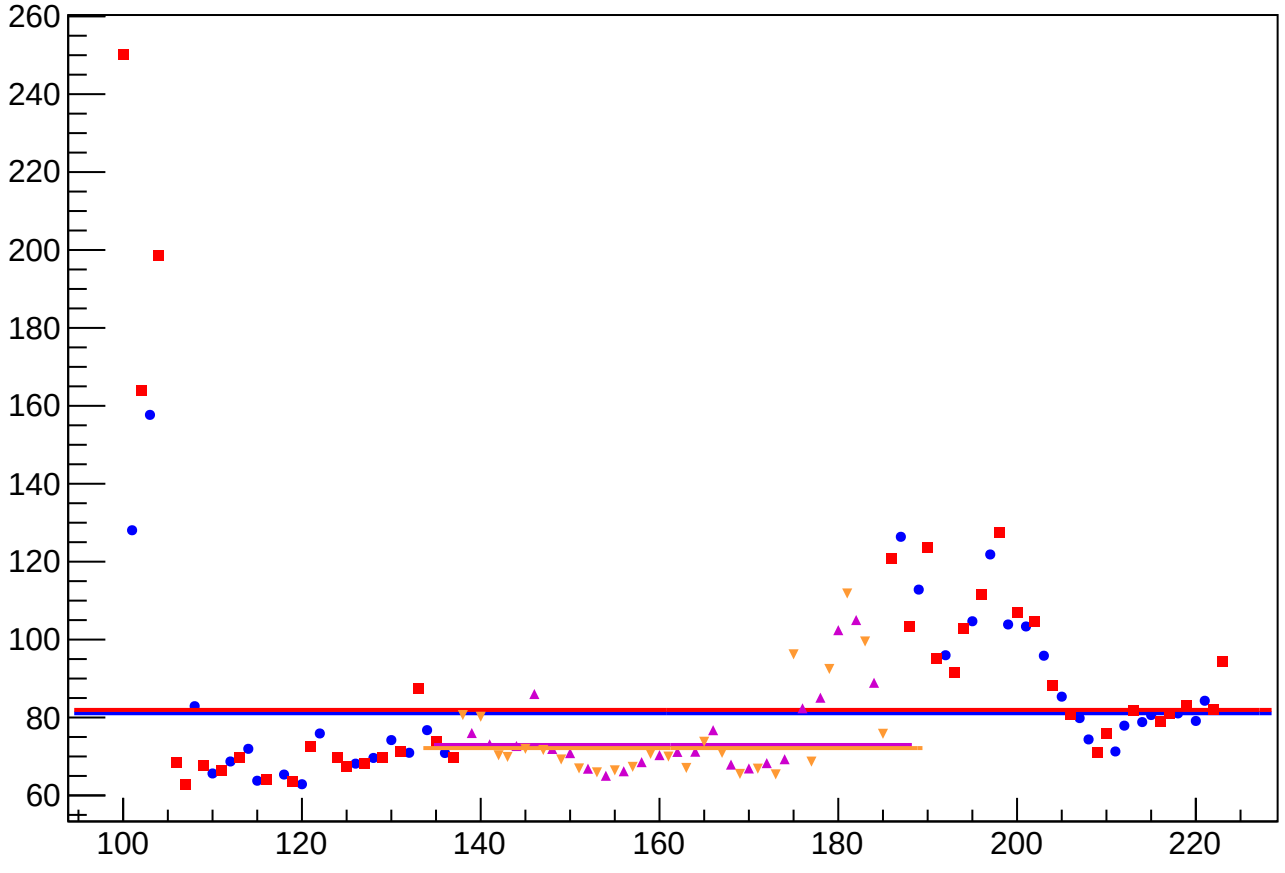
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 12.754+/-12.098 χ^2/NDF: 101.9/58

All: -4.121+/-8.634 χ^2/NDF: 253.6/120

- sign -21.644+/-12.328 χ^2/NDF: 147.7/61

dit_asym_sam7_rms vs Slug



Right In: 81.091+/-0.012 χ^2/NDF: 1509435.4/33

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.949+/-0.012 χ^2/NDF: 2147486.0/38

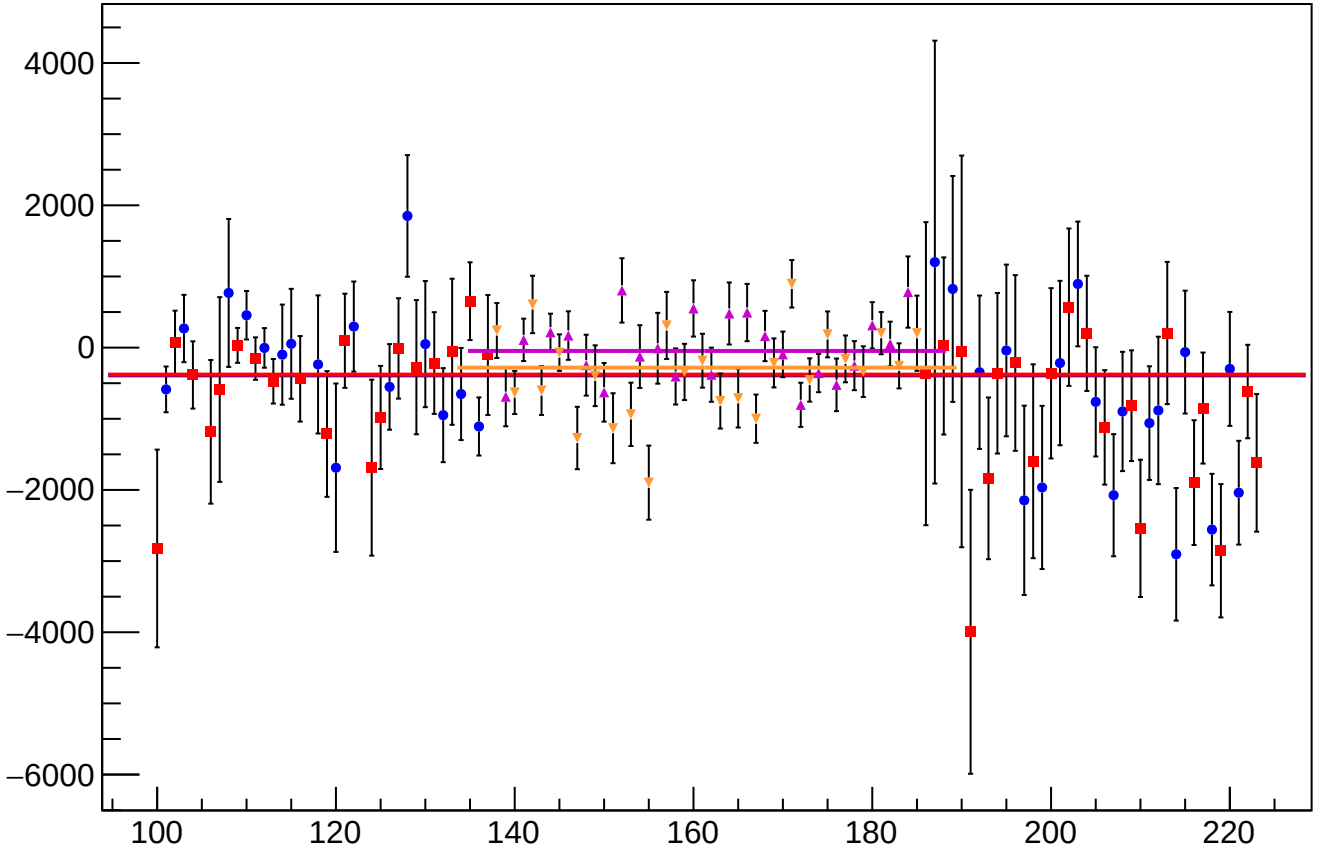
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 76.356+/-0.009 χ^2/NDF: 2423585.5/58

All: 76.848+/-0.006 χ^2/NDF: 5353282.5/120

- sign 77.358+/-0.009 χ^2/NDF: 2922973.6/61

asym_sam7_dit_correction_mean vs Slug



Right In: -389.398+/-111.398 χ^2/NDF: 58.0/33

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -379.349+/-105.944 χ^2/NDF: 41.3/38

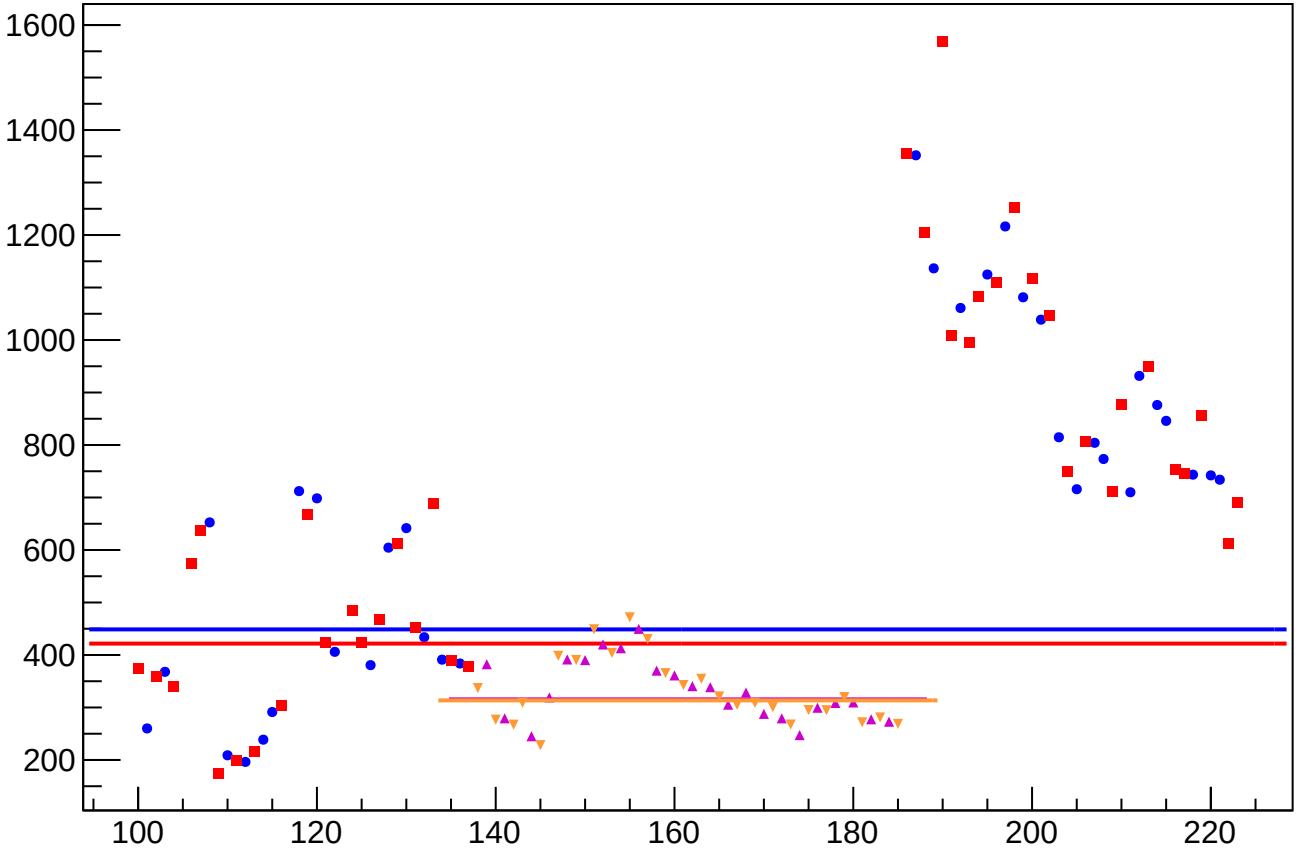
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -313.420+/-60.787 χ^2/NDF: 115.5/58

All: -235.916+/-43.113 χ^2/NDF: 197.4/120

- sign -157.463+/-61.158 χ^2/NDF: 78.6/61

asym_sam7_dit_correction_rms vs Slug



Right In: 448.755+/-0.079 χ^2/NDF: 11416472.7/33

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 421.703+/-0.075 χ^2/NDF: 13724022.9/38

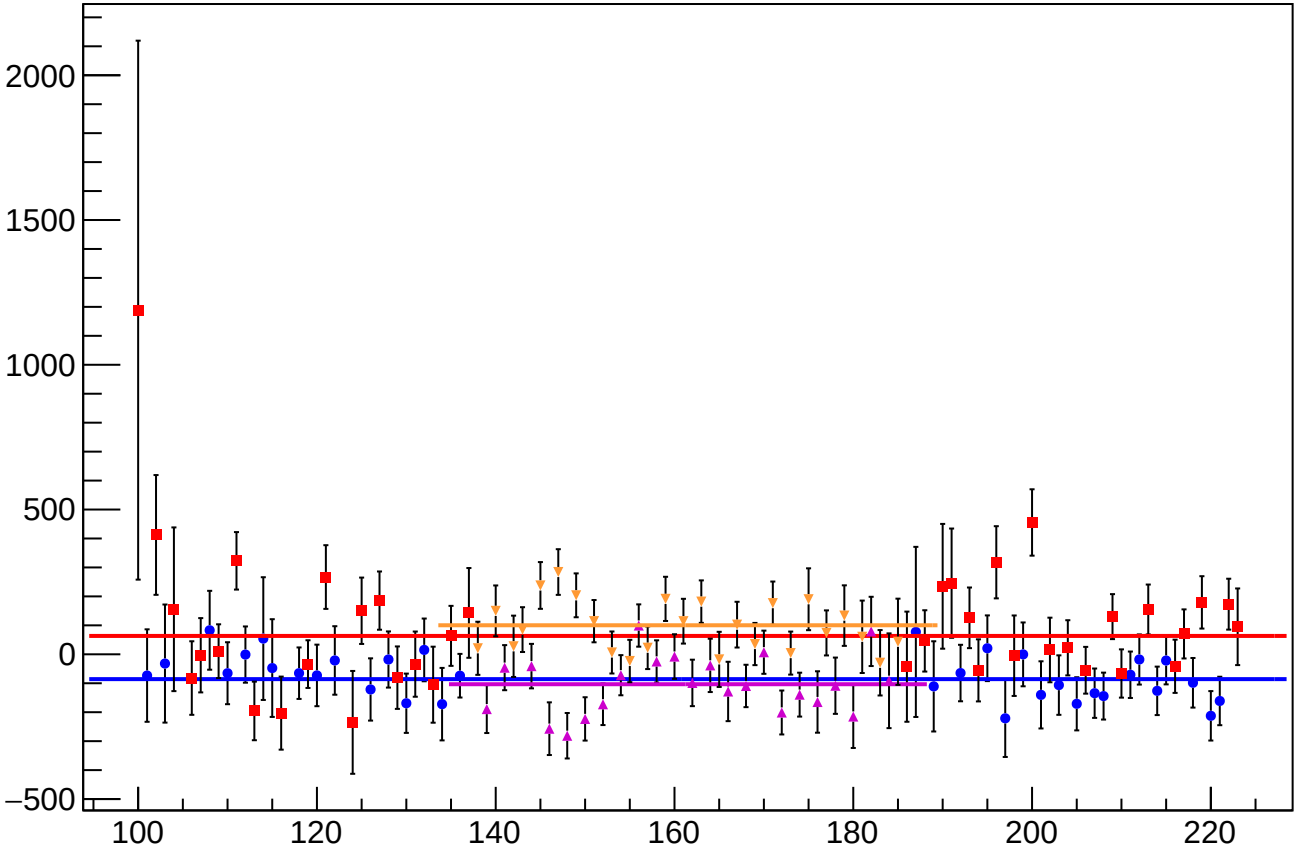
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 353.773+/-0.043 χ^2/NDF: 14662459.9/58

All: 352.326+/-0.030 χ^2/NDF: 30738485.3/12

- sign 350.861+/-0.043 χ^2/NDF: 16073744.4/61

eigen_dit_asym_sam7_mean vs Slug



Right In: -85.746+/-17.637 χ^2/NDF: 15.3/33

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 63.444+/-17.613 χ^2/NDF: 69.3/38

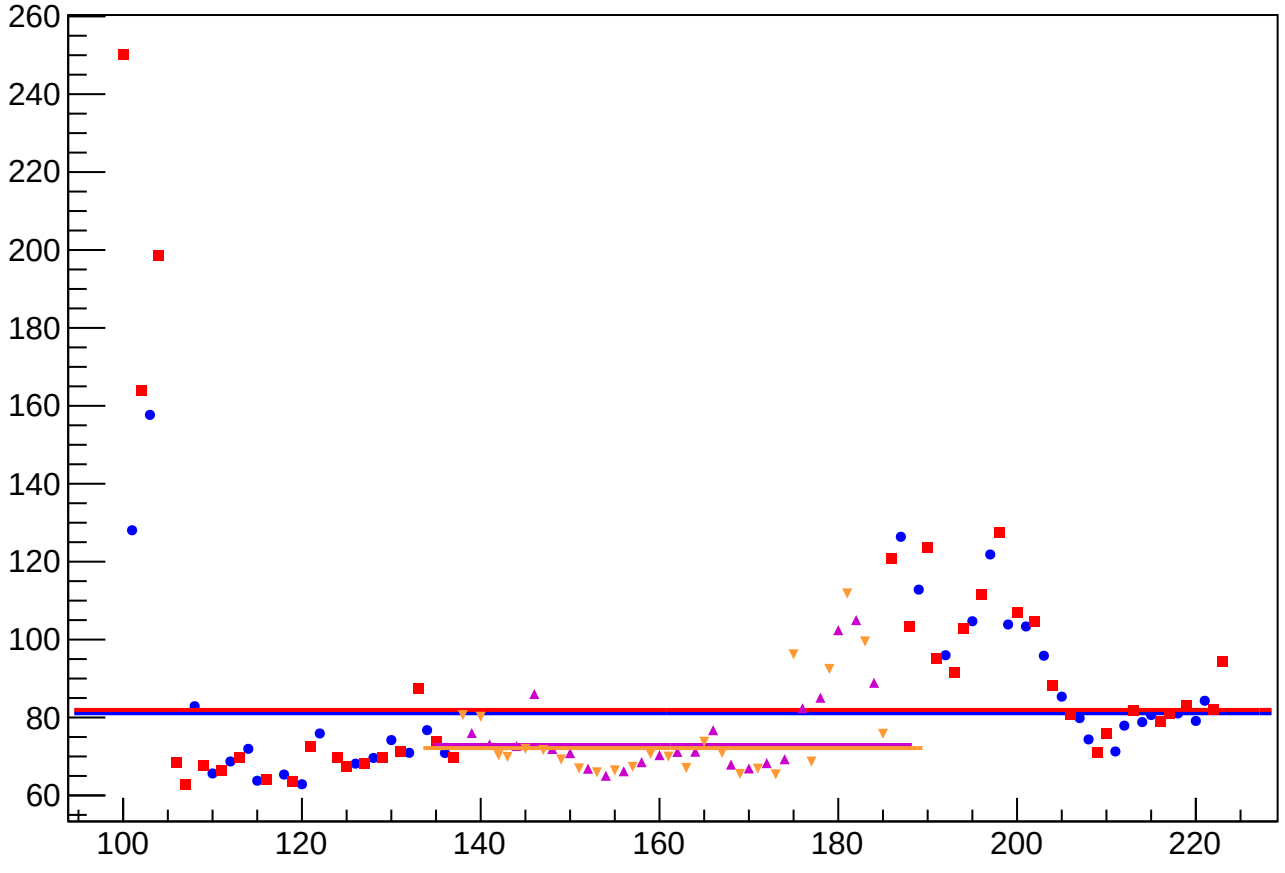
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 12.754+/-12.098 χ^2/NDF: 101.9/58

All: -4.121+/-8.634 χ^2/NDF: 253.6/120

- sign -21.643+/-12.328 χ^2/NDF: 147.7/61

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.091+/-0.012 χ^2/NDF: 1509442.1/33

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.949+/-0.012 χ^2/NDF: 2147487.6/38

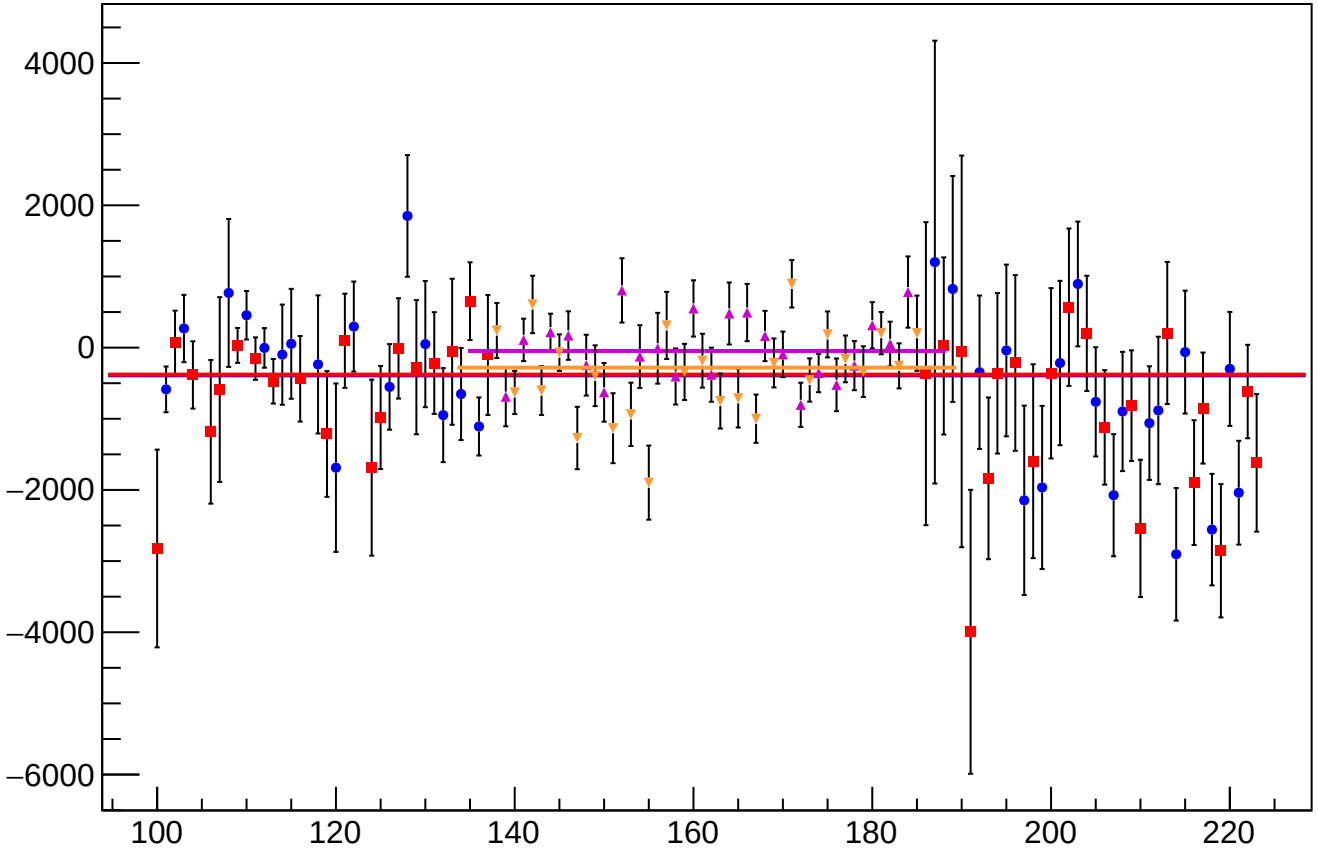
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 76.356+/-0.009 χ^2/NDF: 2423586.0/58

All: 76.848+/-0.006 χ^2/NDF: 5353278.8/120

- sign 77.358+/-0.009 χ^2/NDF: 2922969.5/61

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -389.394+/-111.398 χ^2/NDF: 58.0/33

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -379.347+/-105.943 χ^2/NDF: 41.3/38

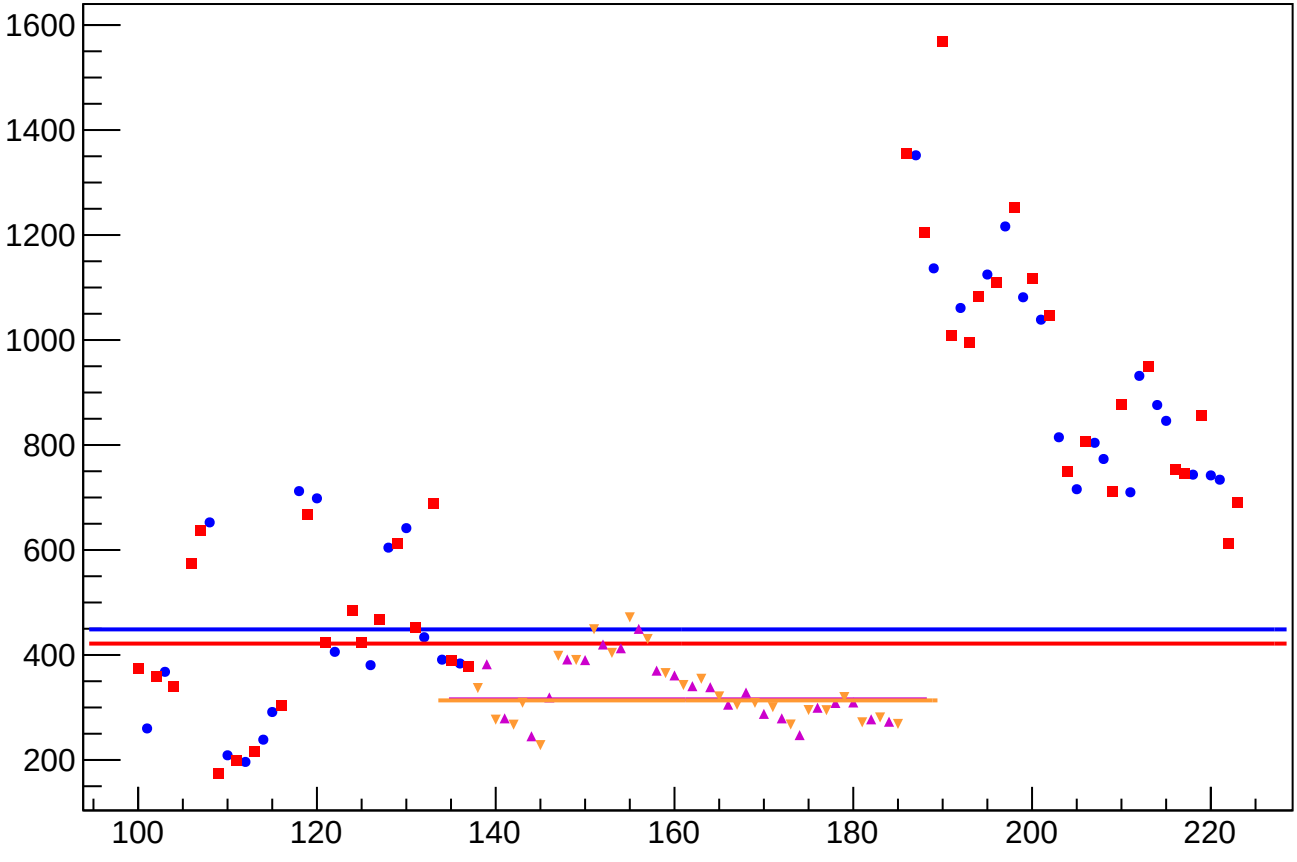
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -313.419+/-60.787 χ^2/NDF: 115.5/58

All: -235.915+/-43.113 χ^2/NDF: 197.4/120

- sign -157.463+/-61.158 χ^2/NDF: 78.6/61

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 448.752+/-0.079 χ^2/NDF: 11416617.6/33

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 421.701+/-0.075 χ^2/NDF: 13724109.3/38

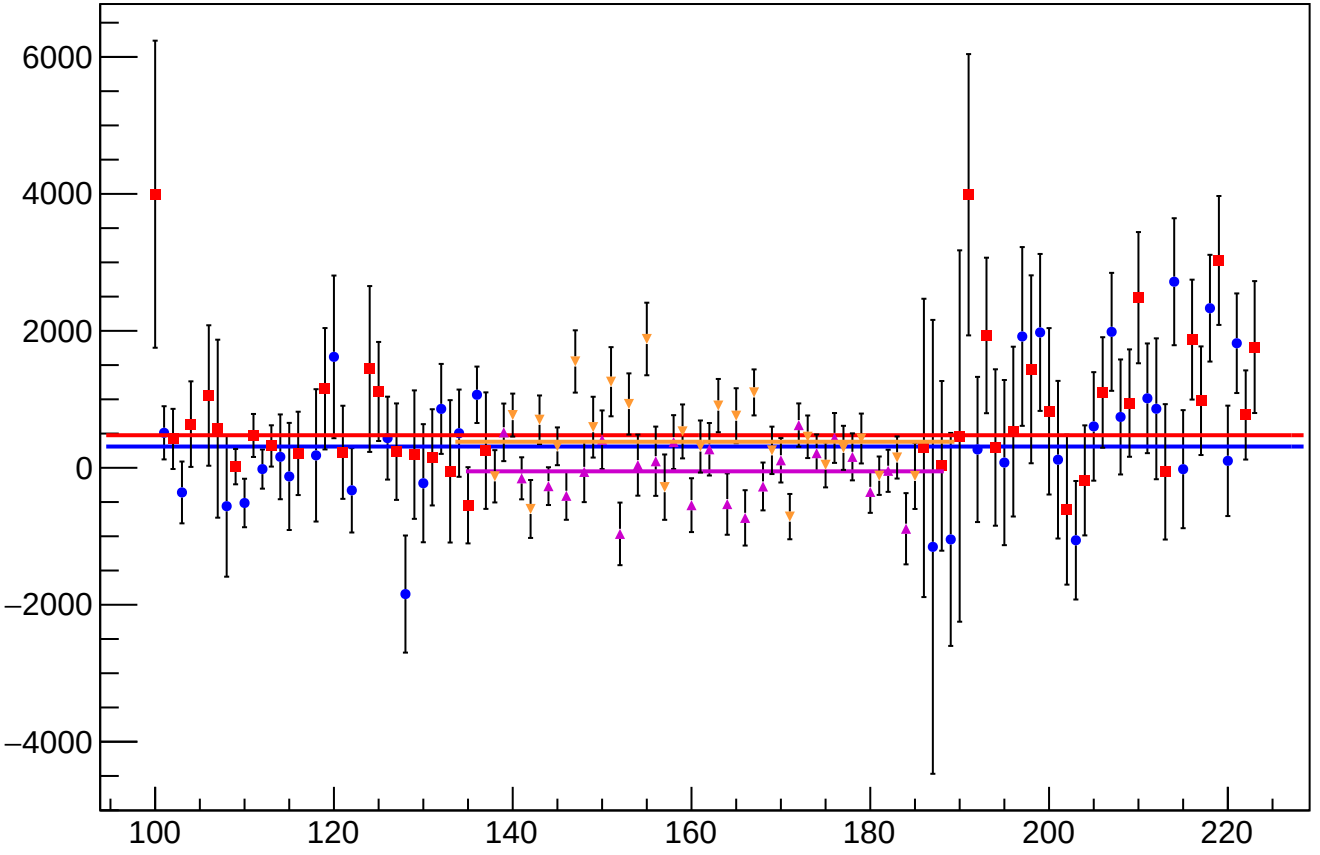
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 353.772+/-0.043 χ^2/NDF: 14662528.1/58

All: 352.325+/-0.030 χ^2/NDF: 30738586.3/12

- sign 350.861+/-0.043 χ^2/NDF: 16073777.7/61

asym_sam7_mean vs Slug



Right In: 310.584+/-113.650 χ^2/NDF: 53.9/33

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 475.771+/-108.544 χ^2/NDF: 37.7/38

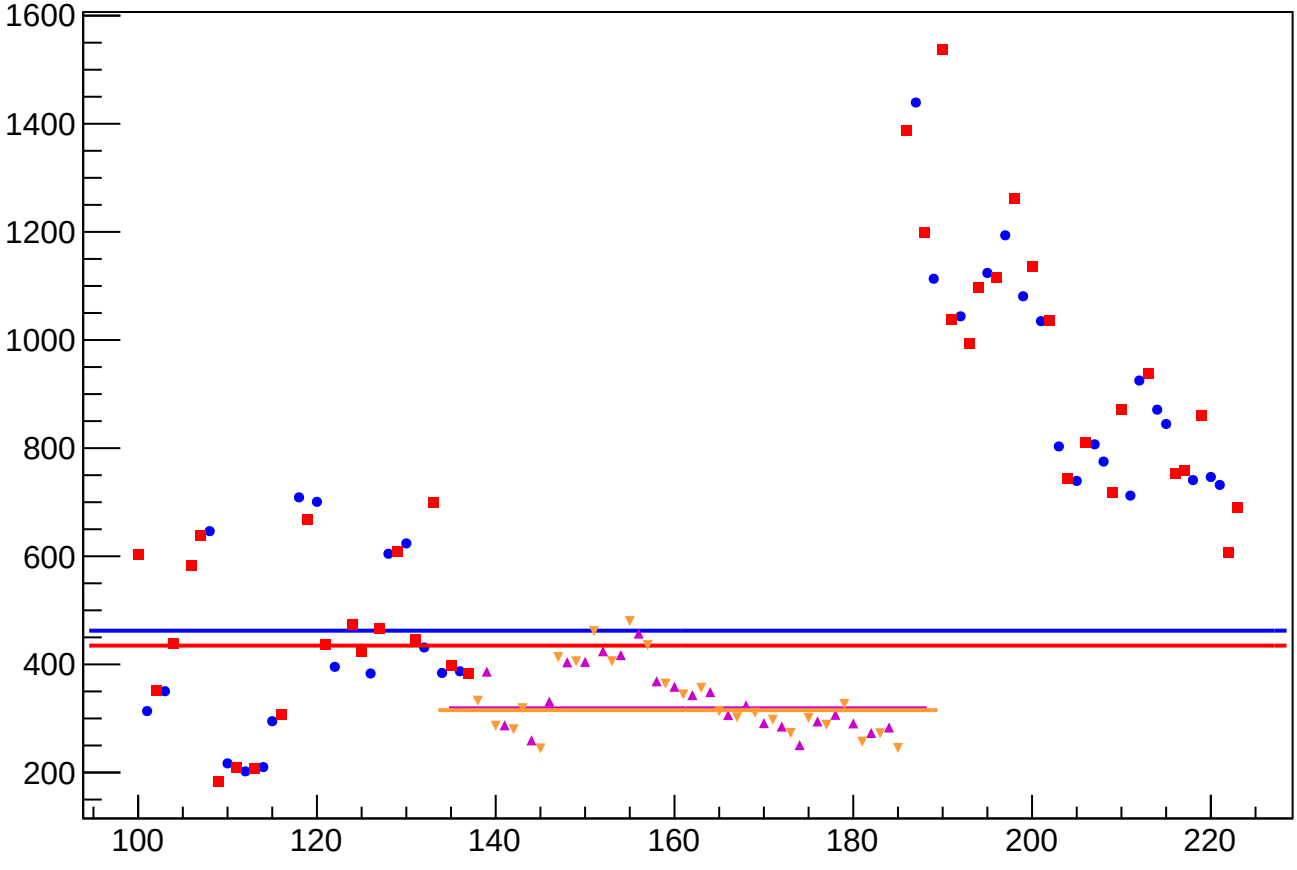
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 360.144+/-61.455 χ^2/NDF: 109.6/58

All: 241.649+/-43.665 χ^2/NDF: 198.9/120

- sign 120.838+/-62.052 χ^2/NDF: 81.7/61

asym_sam7_rms vs Slug



Right In: 462.394+/-0.080 χ^2/NDF: 10762364.0/33

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

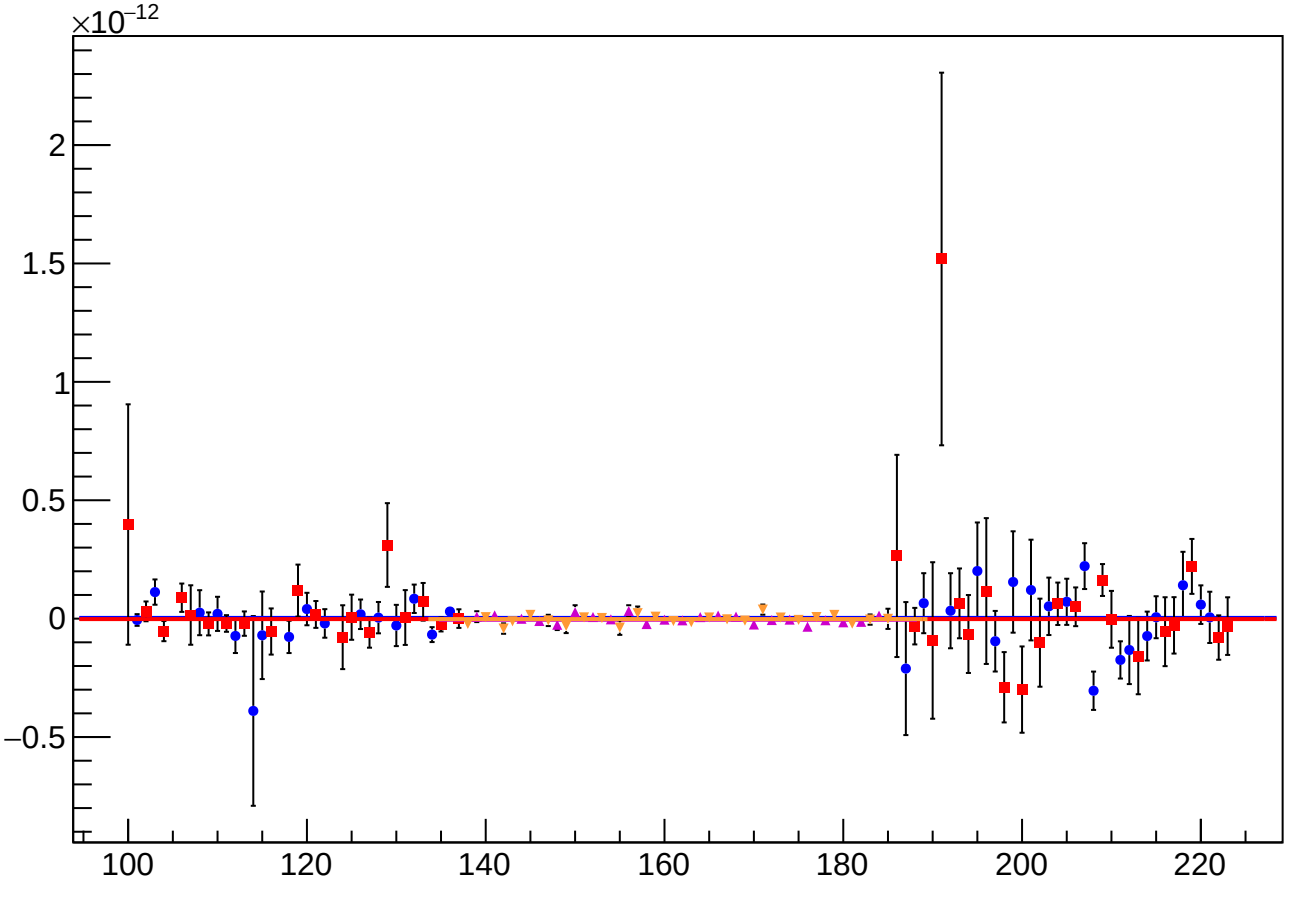
Right Out: 434.780+/-0.077 χ^2/NDF: 13298441.1/38

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 358.377+/-0.043 χ^2/NDF: 14340053.4/58

All: 357.511+/-0.031 χ^2/NDF: 30171012.6/12

- sign 356.629+/-0.044 χ^2/NDF: 15830157.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/38

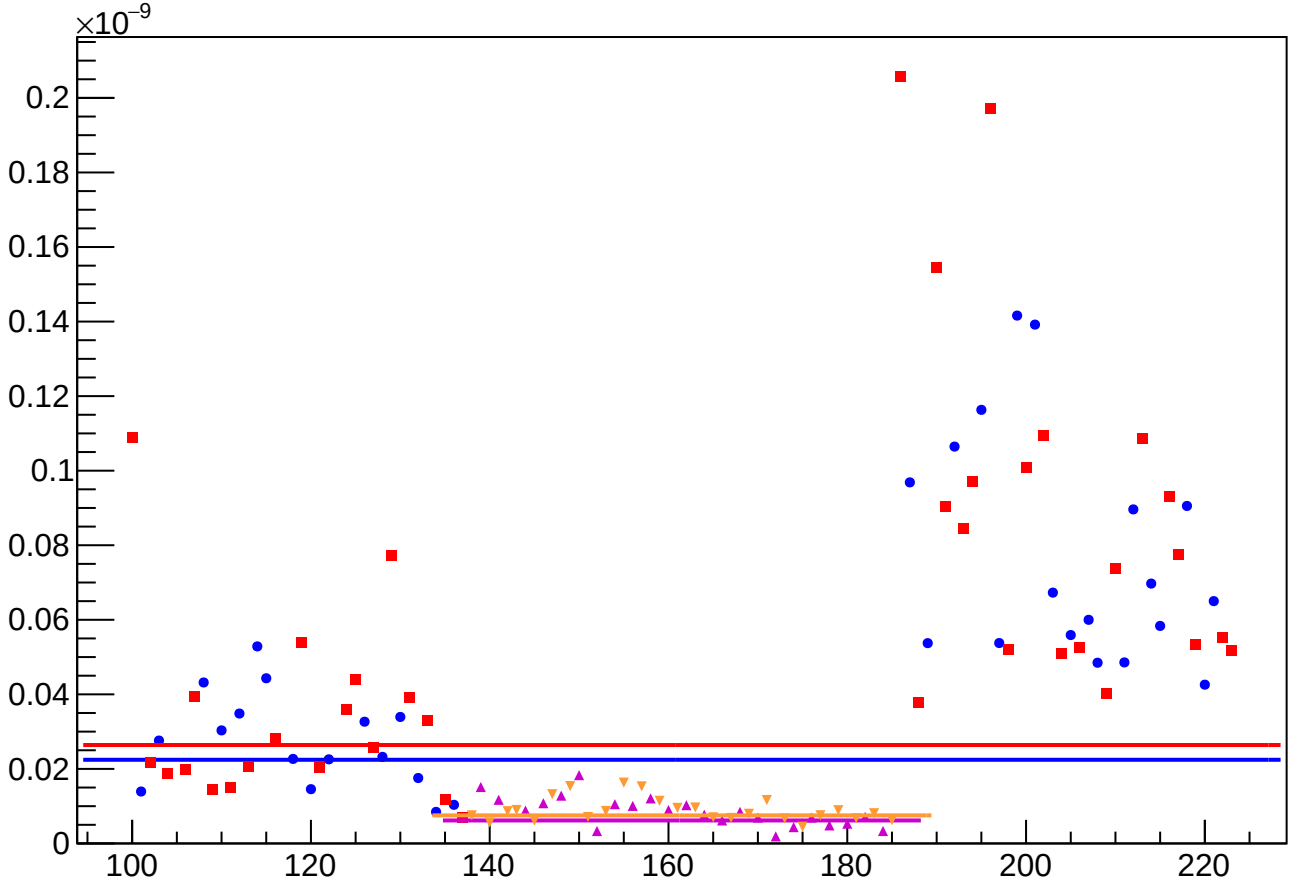
Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.4/58

All: -0.000+/-0.000 χ^2/NDF: 123.5/120

- sign -0.000+/-0.000 χ^2/NDF: 54.6/61

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7838650.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7211101.0/38

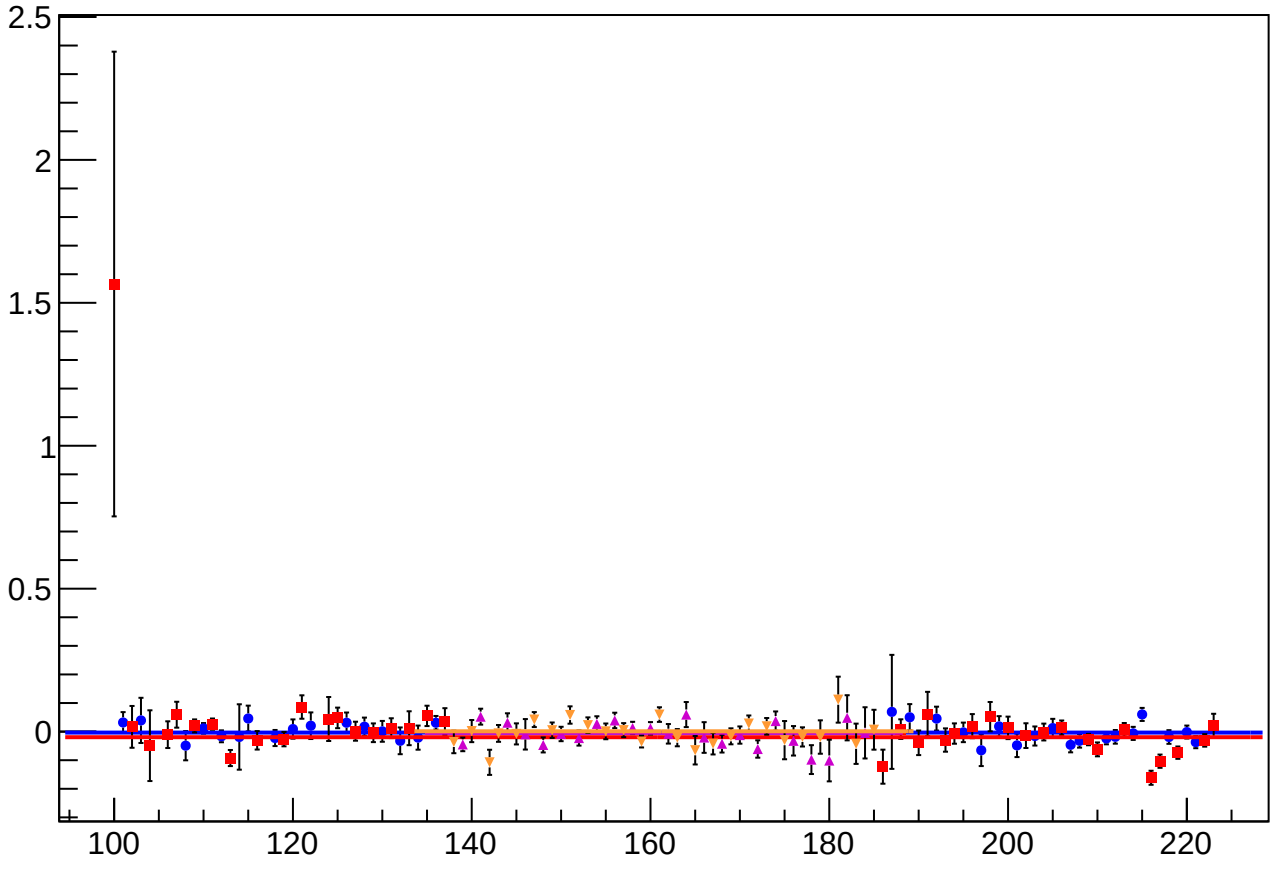
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12979136.8/58

All: 0.000+/-0.000 χ^2/NDF: 28908959.5/120

- sign 0.000+/-0.000 χ^2/NDF: 15695056.3/61

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.005 χ^2/NDF: 31.4/33

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 109.8/38

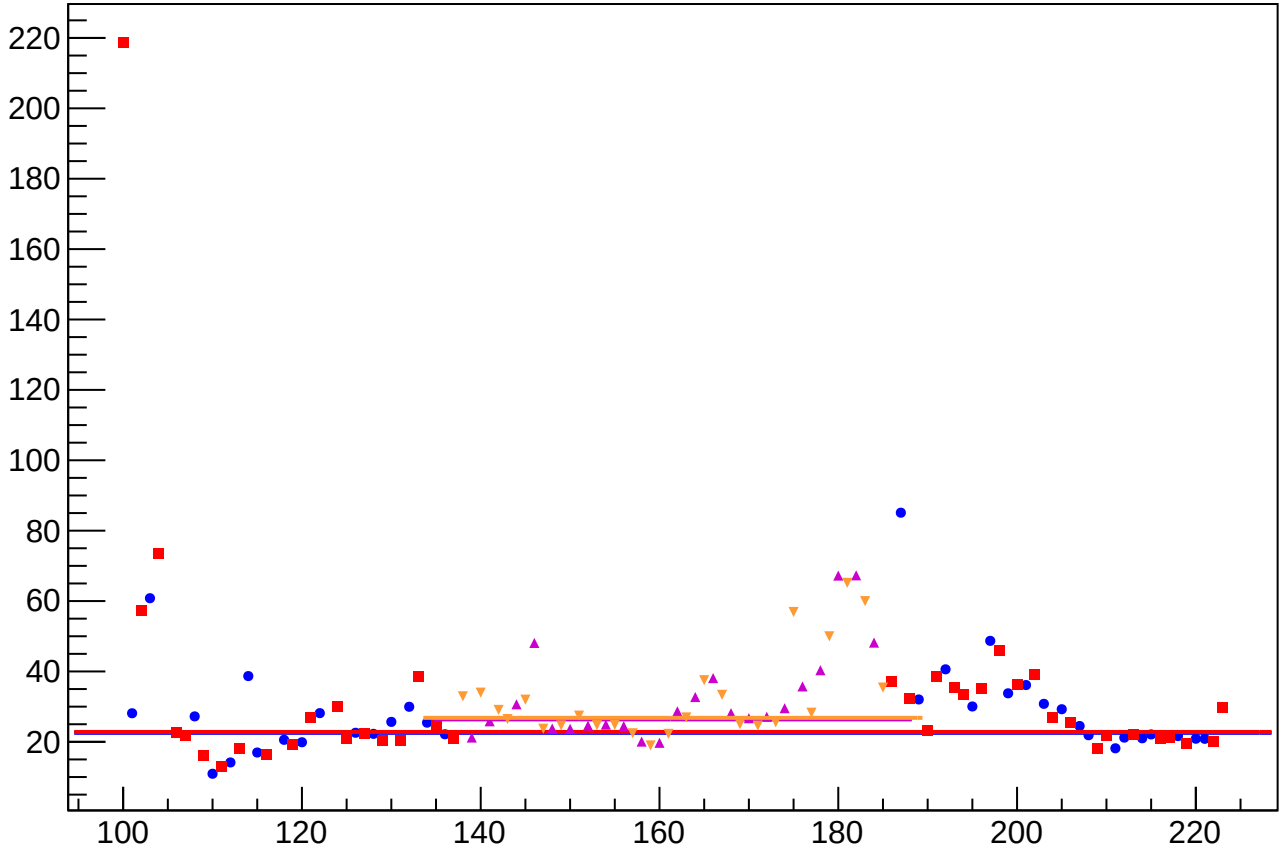
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 61.9/58

All: -0.008+/-0.003 χ^2/NDF: 210.7/120

- sign -0.014+/-0.004 χ^2/NDF: 144.4/61

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.559+/-0.004 χ^2/NDF: 3807354.9/33

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.809+/-0.004 χ^2/NDF: 4123421.4/38

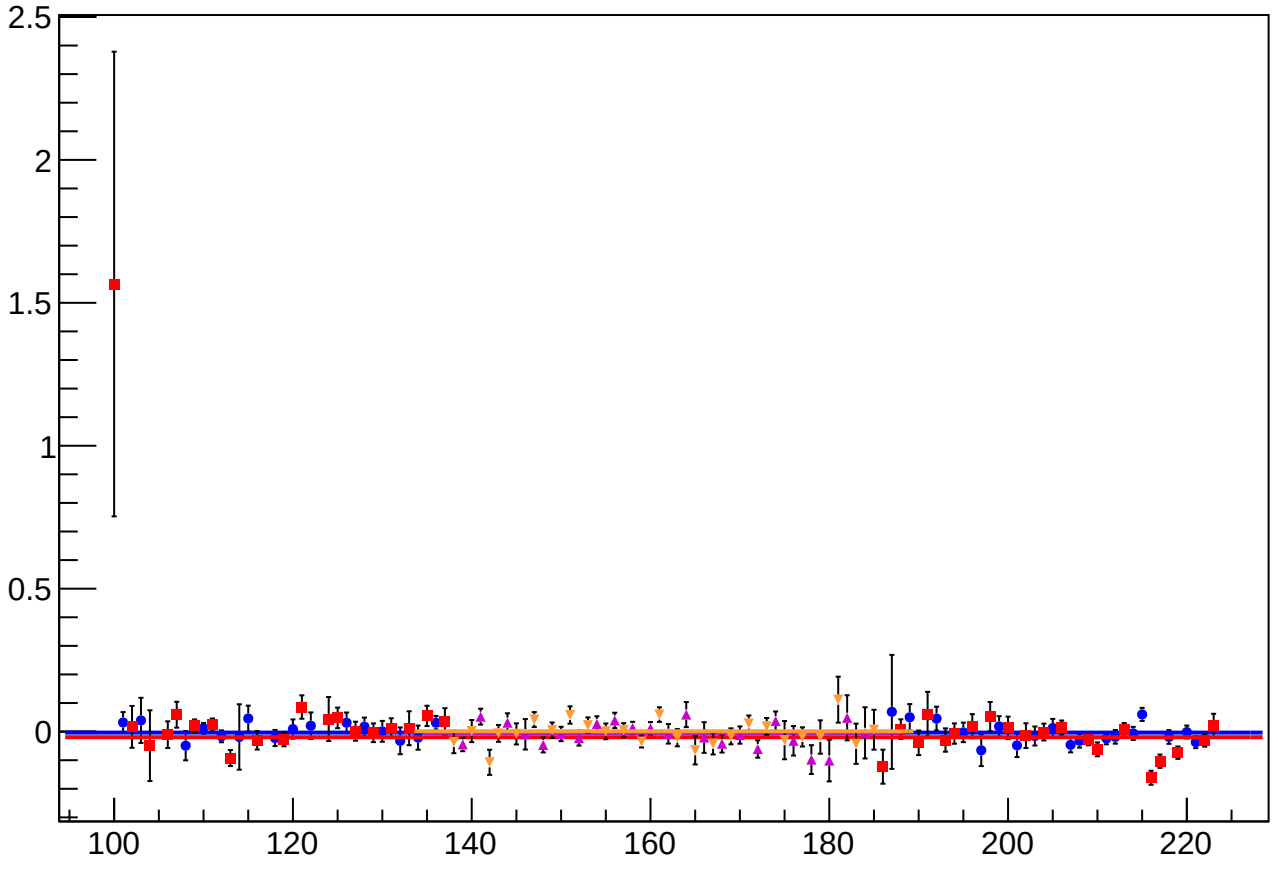
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.209+/-0.003 χ^2/NDF: 6804936.2/58

All: 24.185+/-0.002 χ^2/NDF: 13857452.3/120

- sign 24.160+/-0.003 χ^2/NDF: 7052375.1/61

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.005 χ^2/NDF: 31.4/33

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 109.8/38

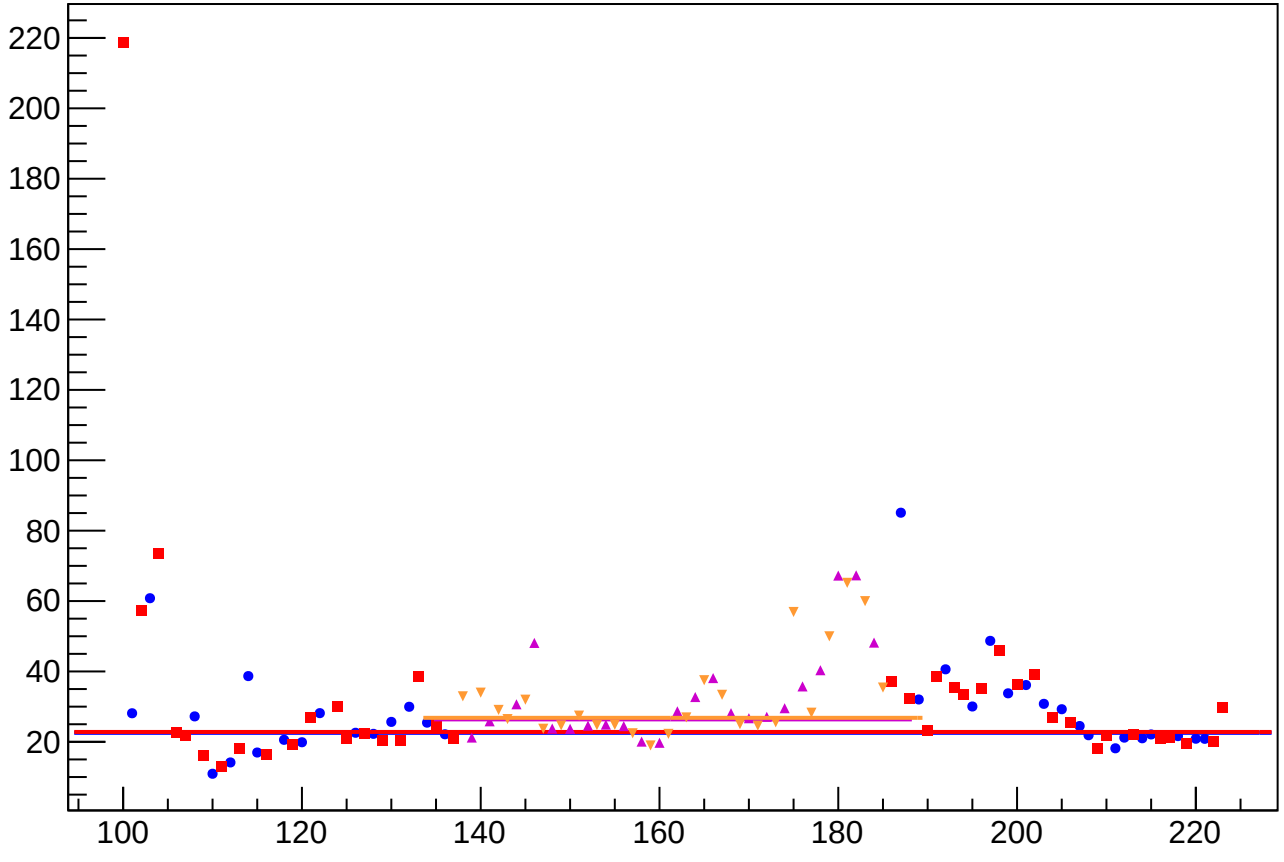
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 61.9/58

All: -0.008+/-0.003 χ^2/NDF: 210.7/120

- sign -0.014+/-0.004 χ^2/NDF: 144.4/61

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.559+/-0.004 χ^2/NDF: 3807354.9/33

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

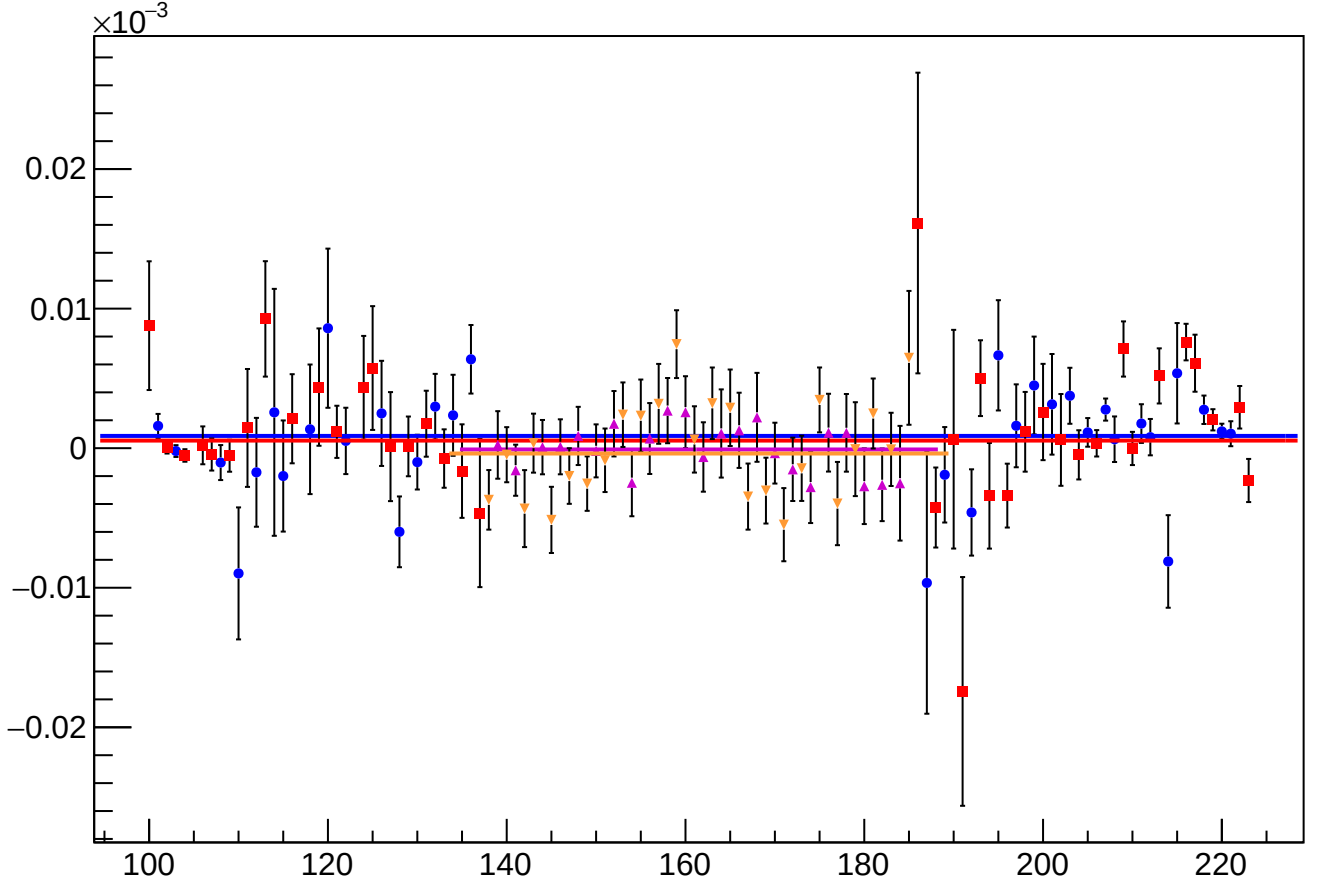
Right Out: 22.809+/-0.004 χ^2/NDF: 4123421.4/38

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.209+/-0.003 χ^2/NDF: 6804936.2/58

All: 24.185+/-0.002 χ^2/NDF: 13857452.3/120

- sign 24.160+/-0.003 χ^2/NDF: 7052375.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 61.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 102.5/38

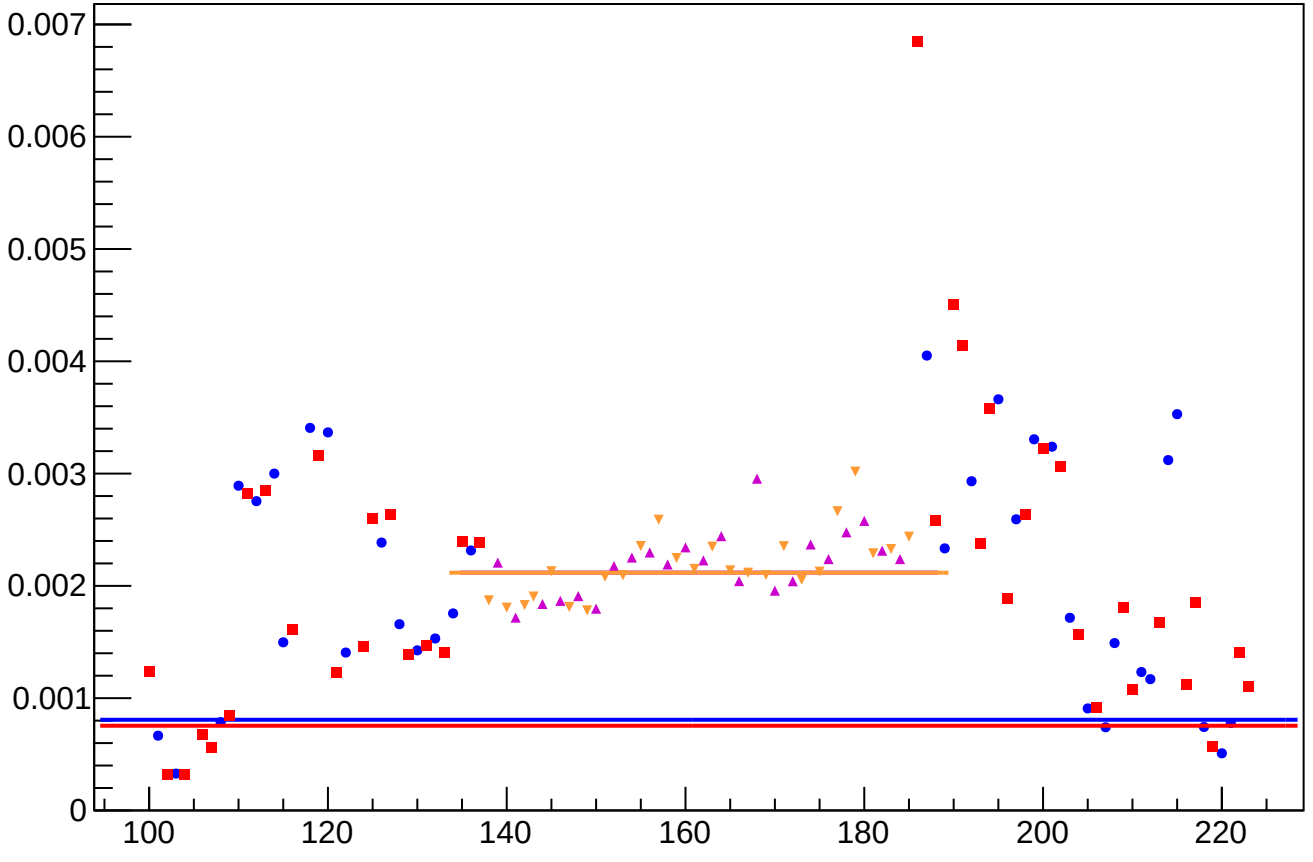
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 109.6/58

All: 0.000+/-0.000 χ^2/NDF: 224.2/120

- sign 0.000+/-0.000 χ^2/NDF: 114.1/61

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 15924108.5/33

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18671400.4/38

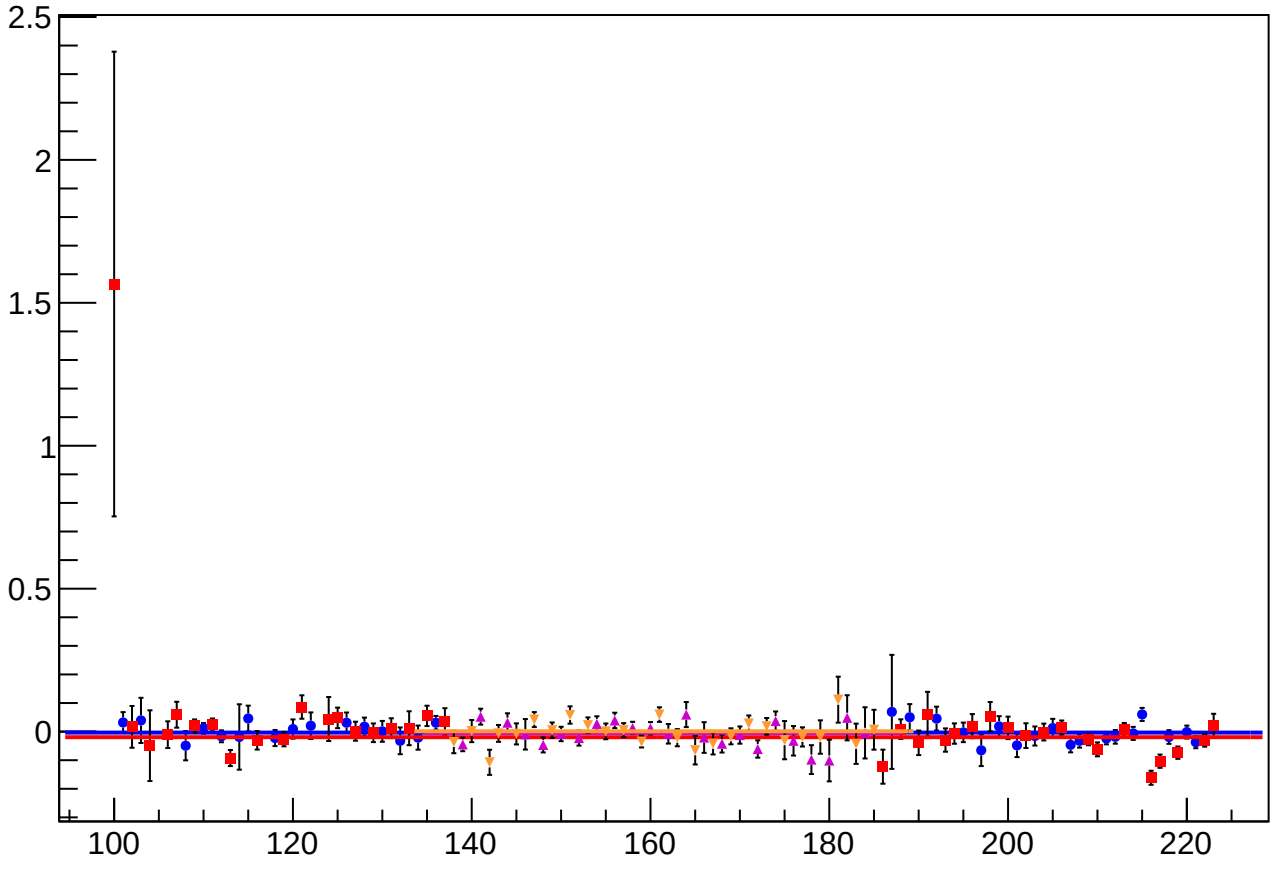
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 28418537.5/58

All: 0.001+/-0.000 χ^2/NDF: 60363407.0/120

- sign 0.001+/-0.000 χ^2/NDF: 31809997.2/61

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.005 χ^2/NDF: 31.4/33

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 109.8/38

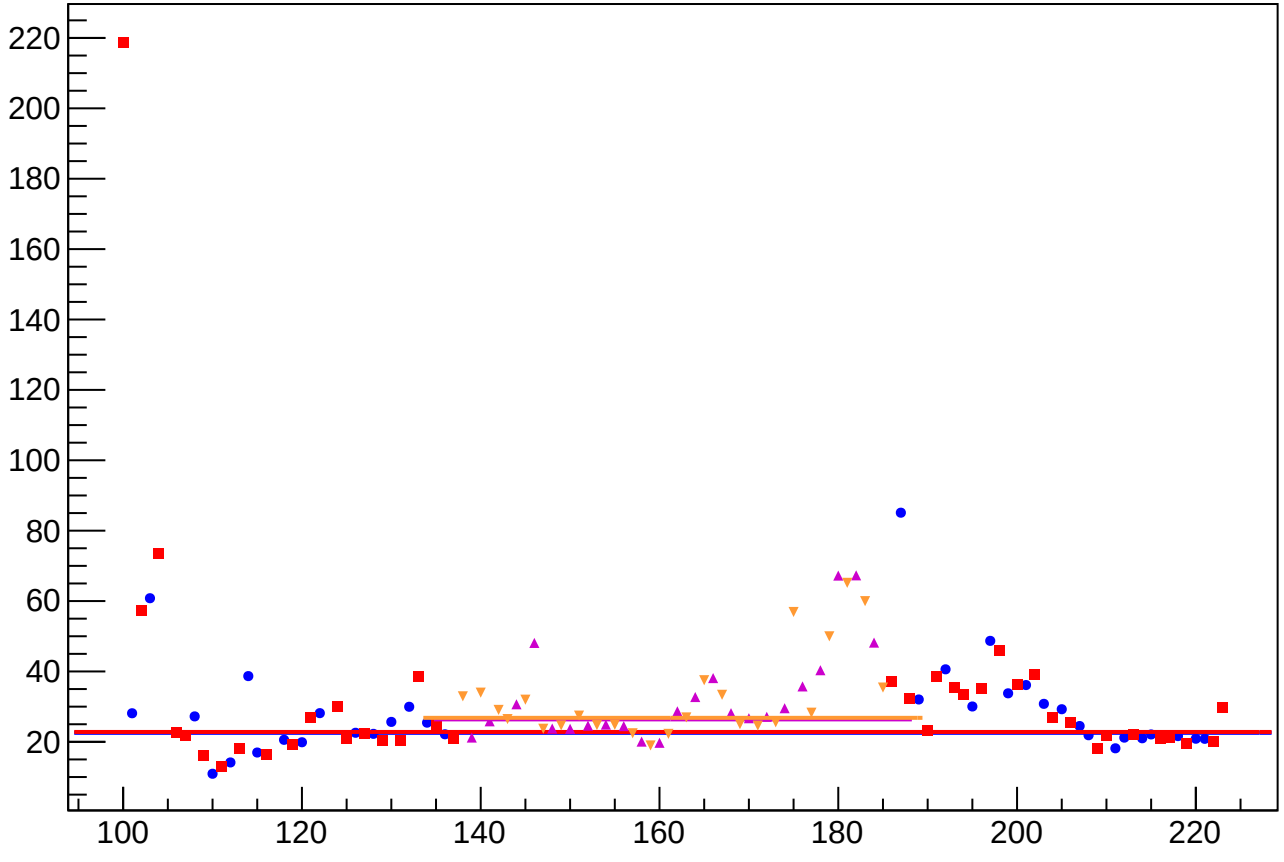
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 61.9/58

All: -0.008+/-0.003 χ^2/NDF: 210.7/120

- sign -0.014+/-0.004 χ^2/NDF: 144.4/61

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.559+/-0.004 χ^2/NDF: 3807102.2/33

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

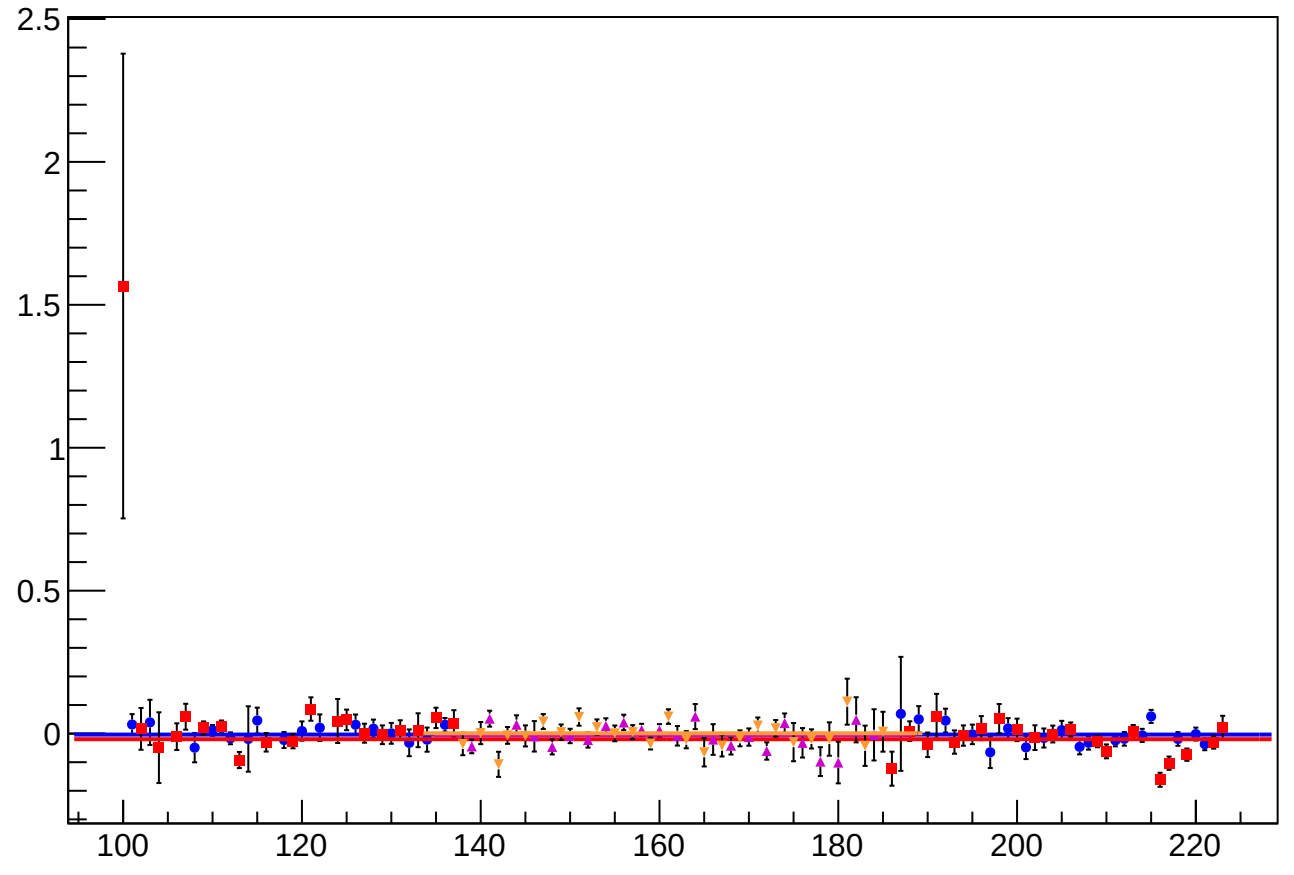
Right Out: 22.809+/-0.004 χ^2/NDF: 4123247.1/38

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.209+/-0.003 χ^2/NDF: 6804642.0/58

All: 24.185+/-0.002 χ^2/NDF: 13857060.0/120

- sign 24.160+/-0.003 χ^2/NDF: 7052275.6/61



Right In: -0.003+/-0.005 χ^2/NDF: 31.4/33

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 109.8/38

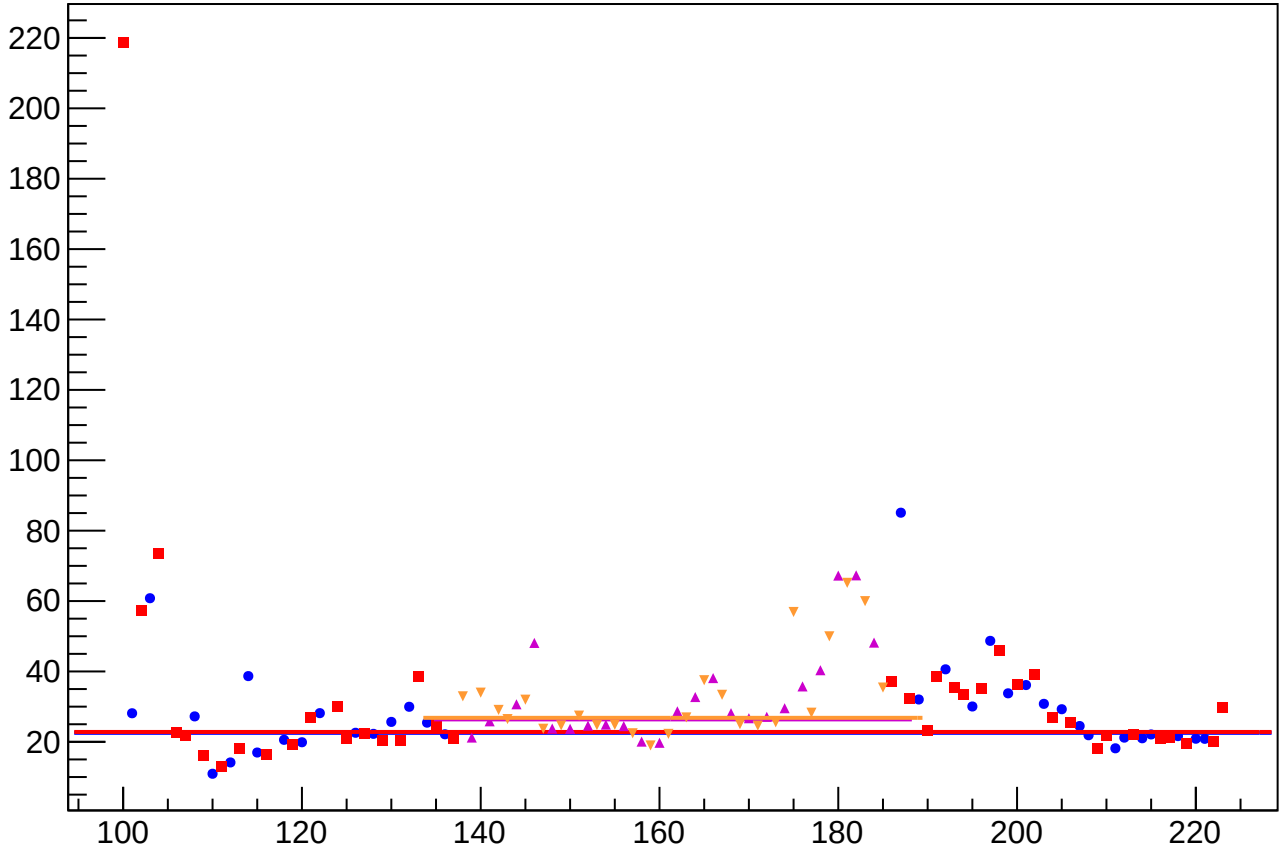
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 61.9/58

All: -0.008+/-0.003 χ^2/NDF: 210.7/120

- sign -0.014+/-0.004 χ^2/NDF: 144.4/61

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.559+/-0.004 χ^2/NDF: 3807102.2/33

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

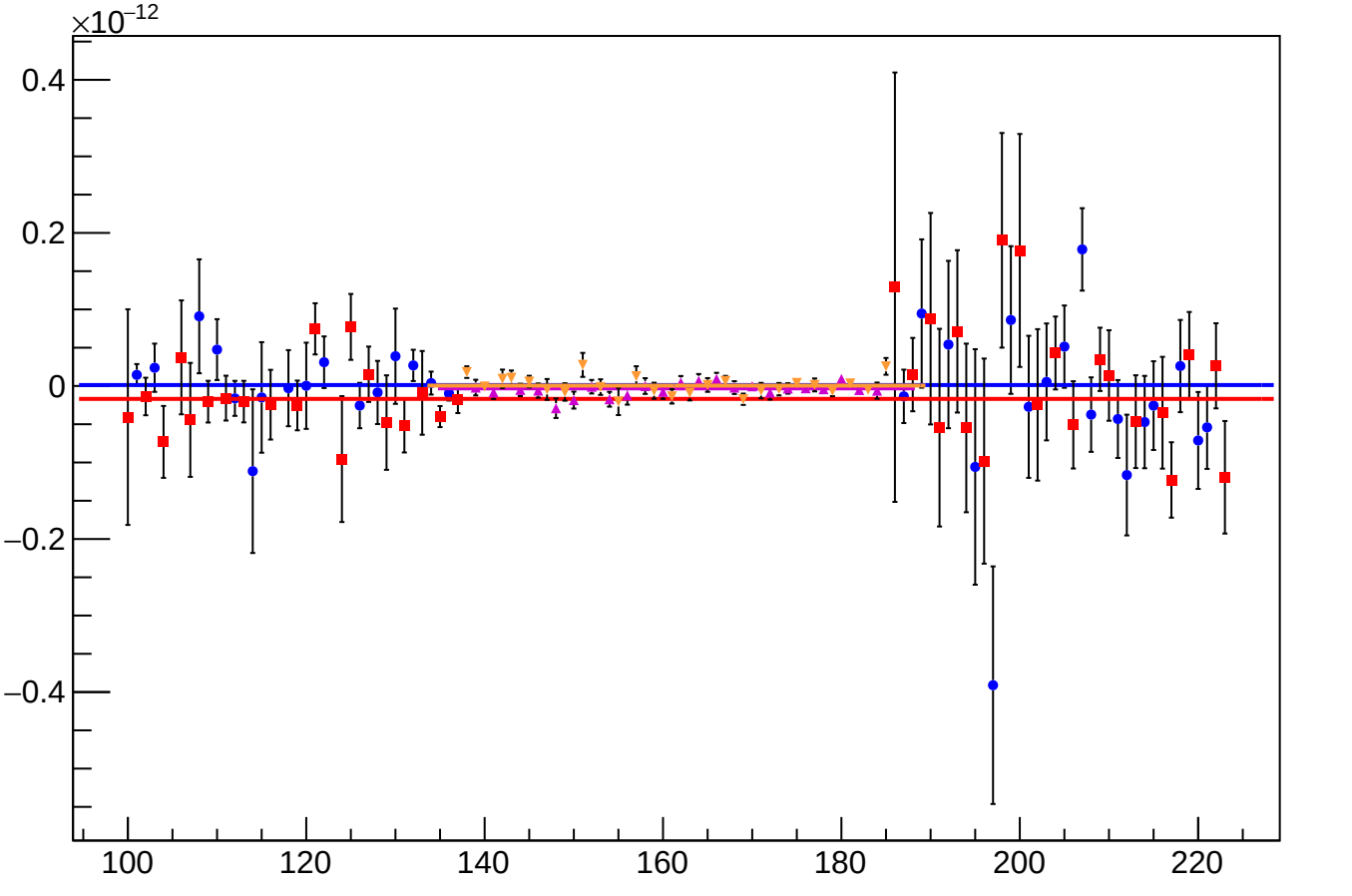
Right Out: 22.809+/-0.004 χ^2/NDF: 4123247.1/38

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.209+/-0.003 χ^2/NDF: 6804642.0/58

All: 24.185+/-0.002 χ^2/NDF: 13857060.0/120

- sign 24.160+/-0.003 χ^2/NDF: 7052275.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 38.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.0/38

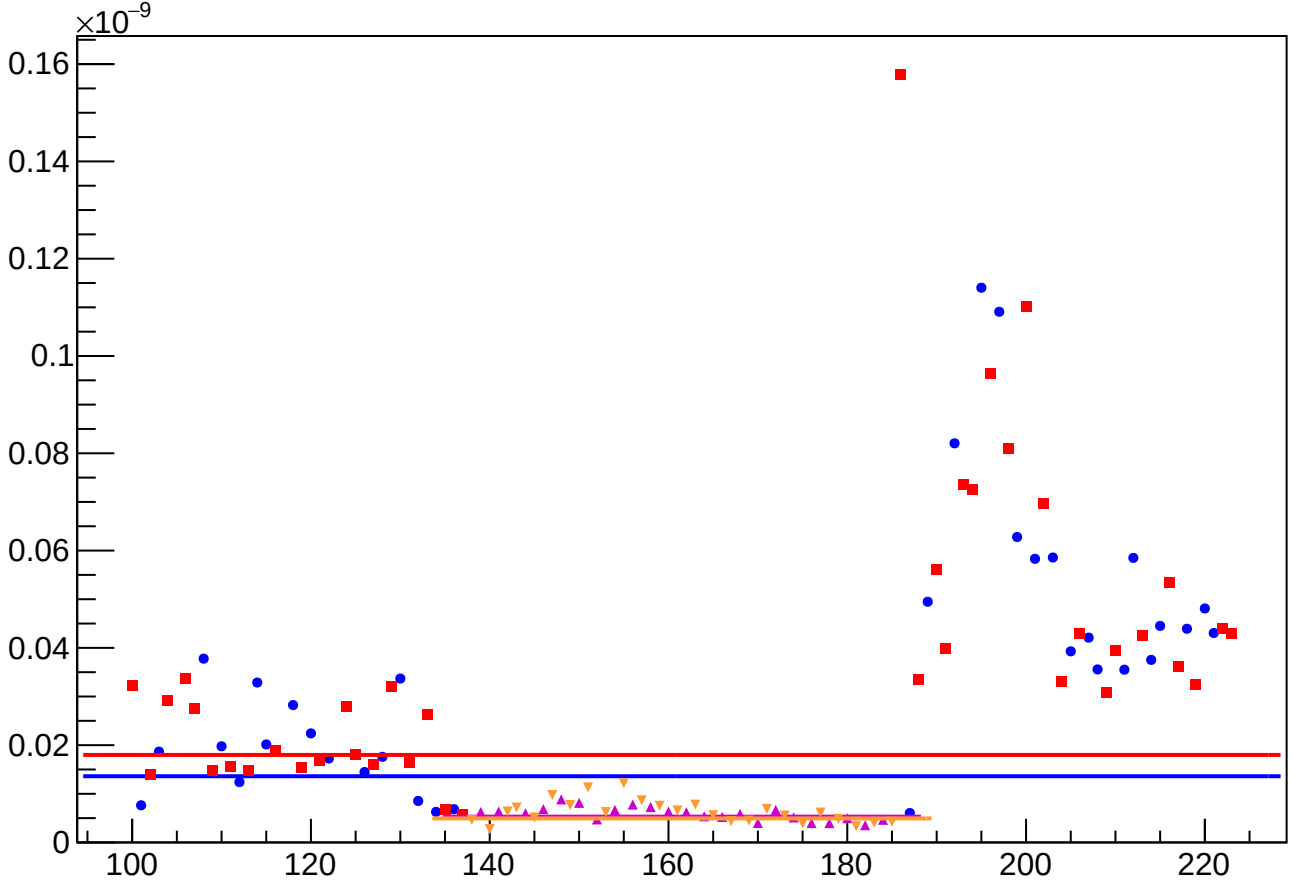
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.3/58

All: -0.000+/-0.000 χ^2/NDF: 138.0/120

- sign -0.000+/-0.000 χ^2/NDF: 62.4/61

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12304750.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10124047.2/38

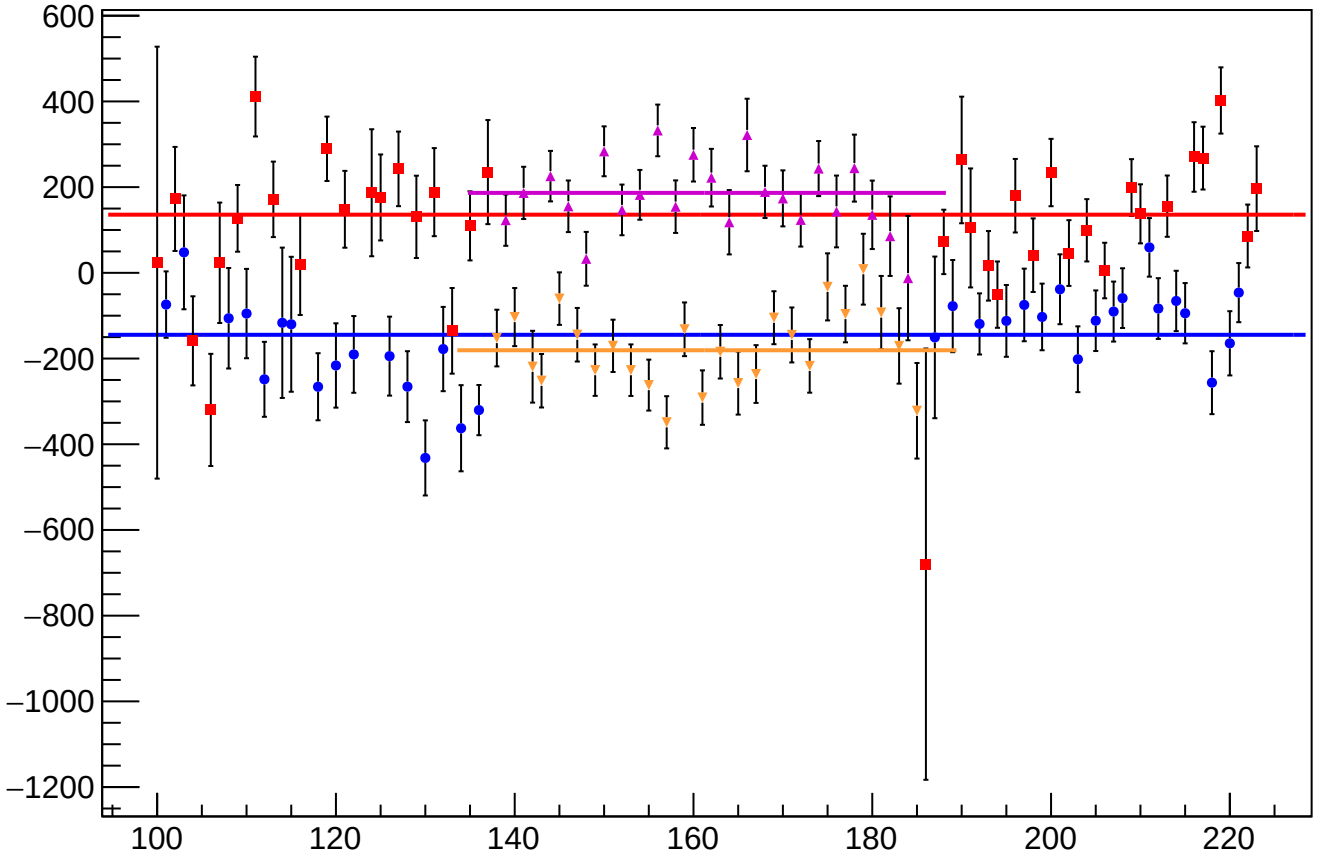
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 19926052.4/58

All: 0.000+/-0.000 χ^2/NDF: 38741226.4/120

- sign 0.000+/-0.000 χ^2/NDF: 18721187.3/61

reg_asym_sam8_mean vs Slug



Right In: -144.592+/-14.213 χ^2/NDF: 57.0/33

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 135.700+/-14.265 χ^2/NDF: 85.8/38

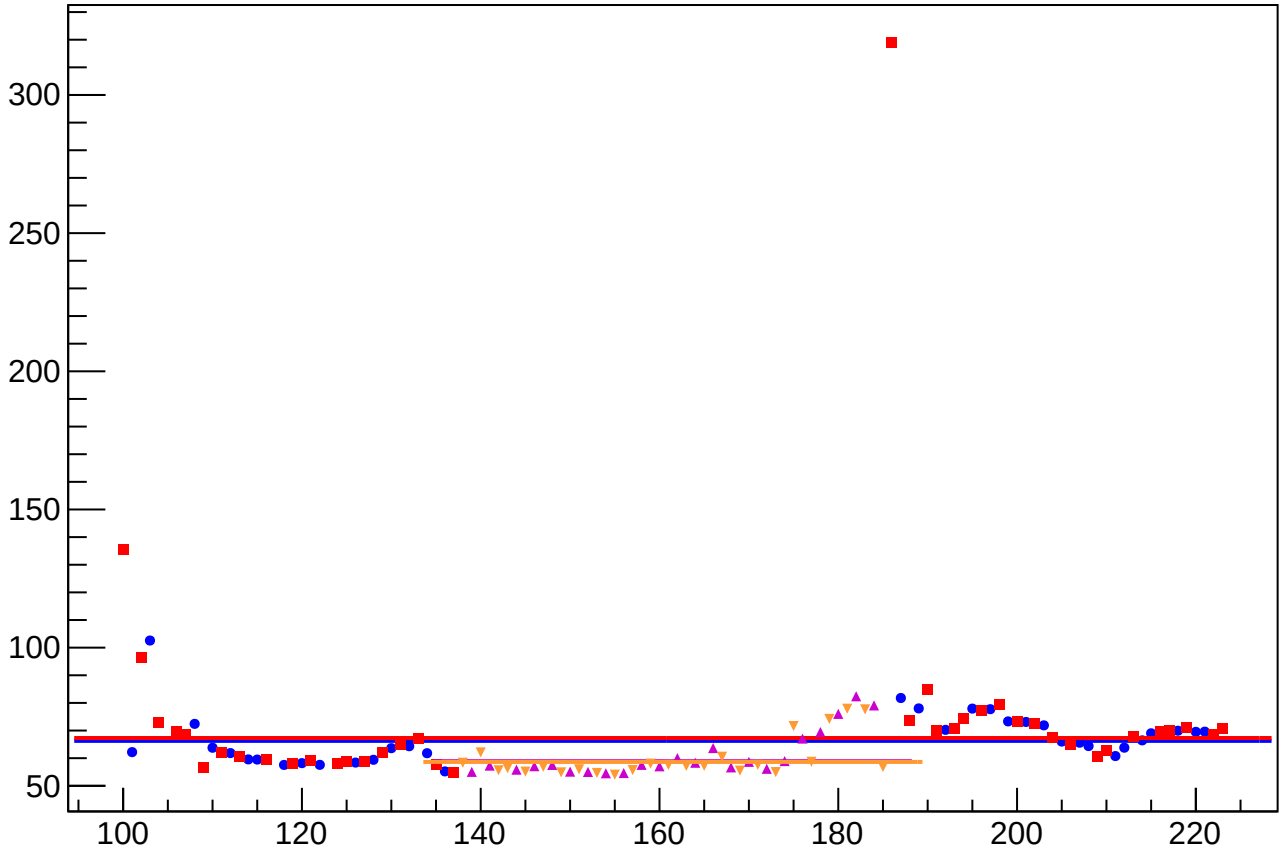
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -163.676+/-9.757 χ^2/NDF: 99.0/58

All: -3.932+/-6.963 χ^2/NDF: 766.5/120

- sign 161.866+/-9.940 χ^2/NDF: 121.3/61

reg_asym_sam8_rms vs Slug



Right In: 66.268+/-0.010 χ^2/NDF: 529899.5/33

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.297+/-0.010 χ^2/NDF: 1061572.0/38

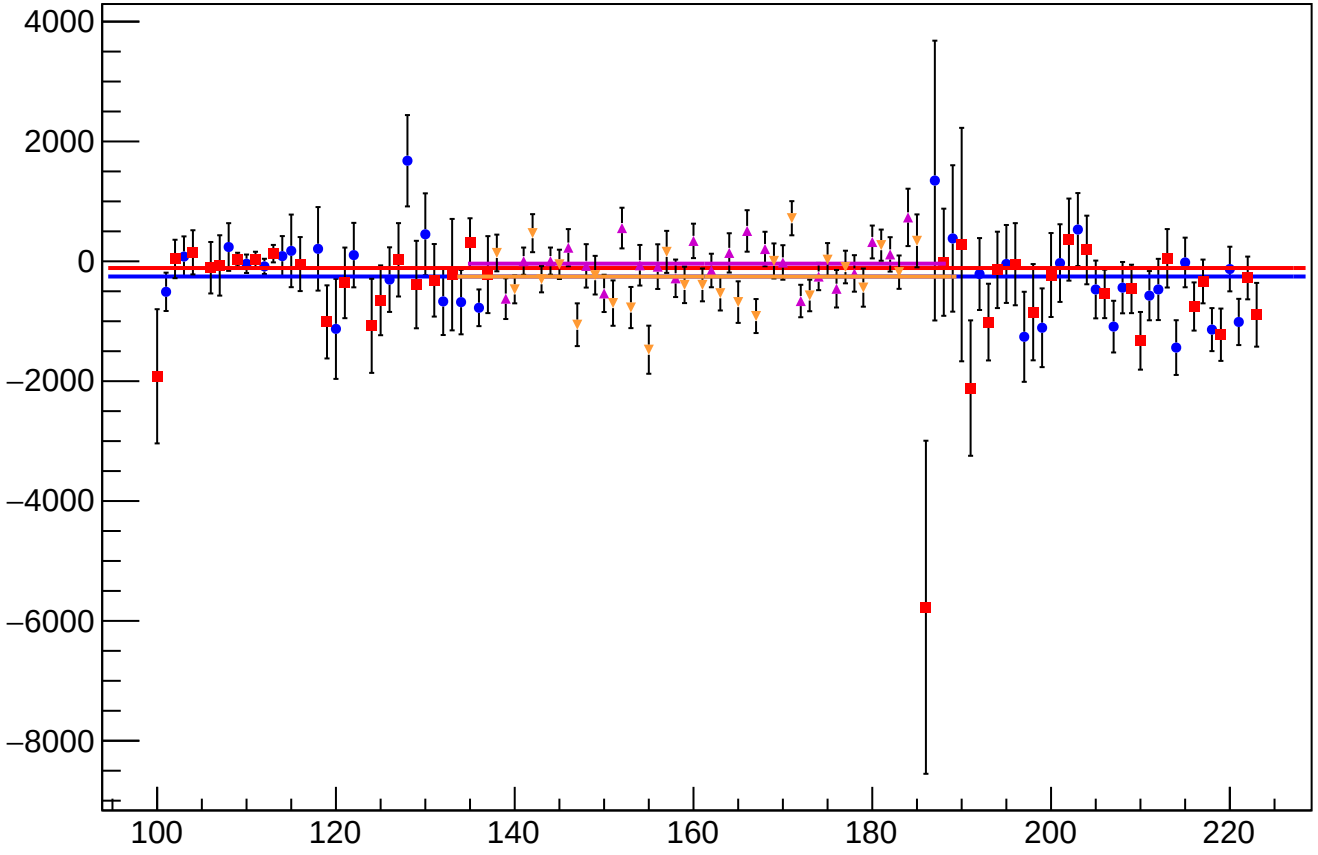
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.237+/-0.007 χ^2/NDF: 1228063.8/58

All: 62.602+/-0.005 χ^2/NDF: 3038132.3/120

- sign 62.981+/-0.007 χ^2/NDF: 1804364.0/61

asym_sam8_reg_correction_mean vs Slug



Right In: -253.325+/-63.949 χ^2/NDF: 50.1/33

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -111.853+/-56.435 χ^2/NDF: 46.1/38

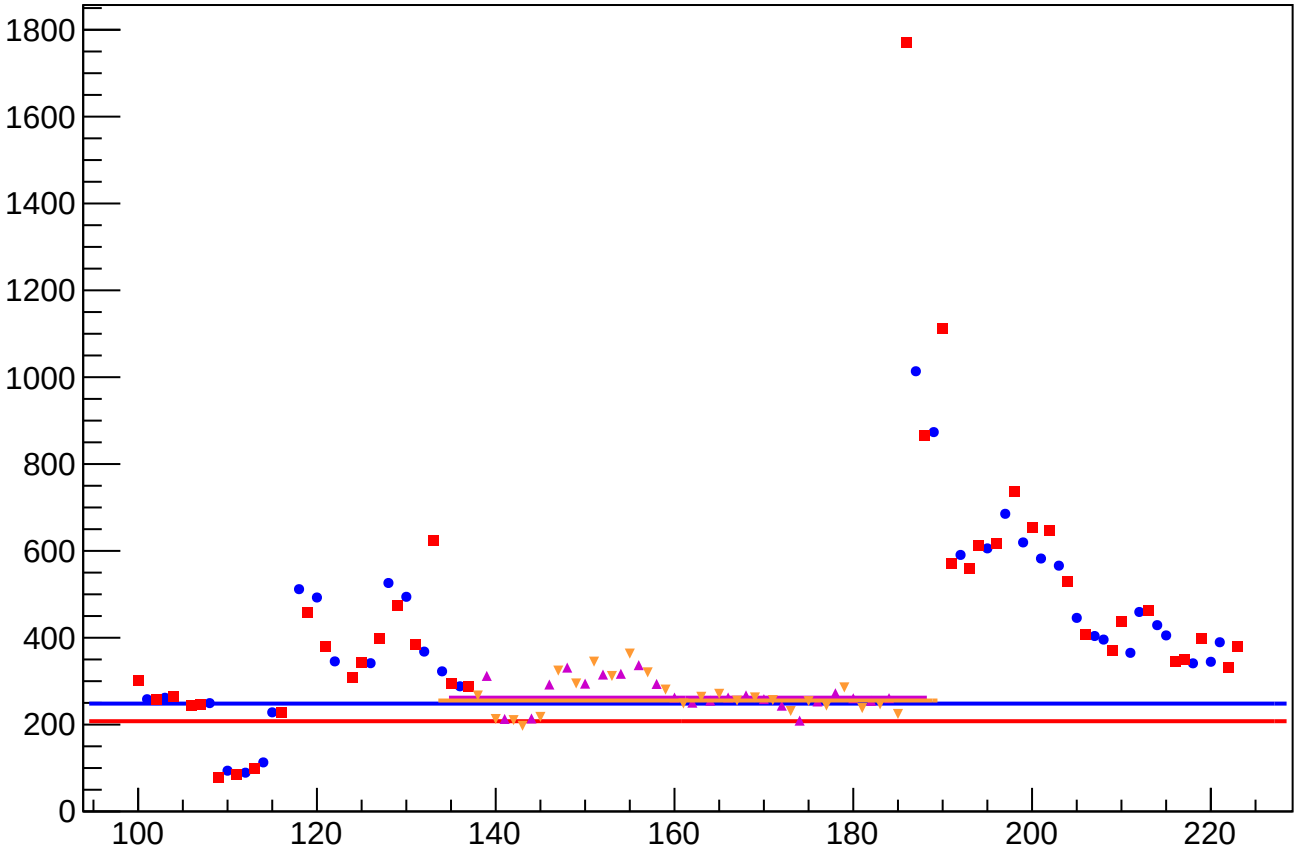
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -254.030+/-43.314 χ^2/NDF: 107.7/58

All: -163.108+/-30.040 χ^2/NDF: 191.4/120

- sign -78.840+/-41.699 χ^2/NDF: 75.2/61

asym_sam8_reg_correction_rms vs Slug



Right In: 248.358+/-0.045 χ^2/NDF: 13606149.9/33

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 207.817+/-0.040 χ^2/NDF: 18220535.0/38

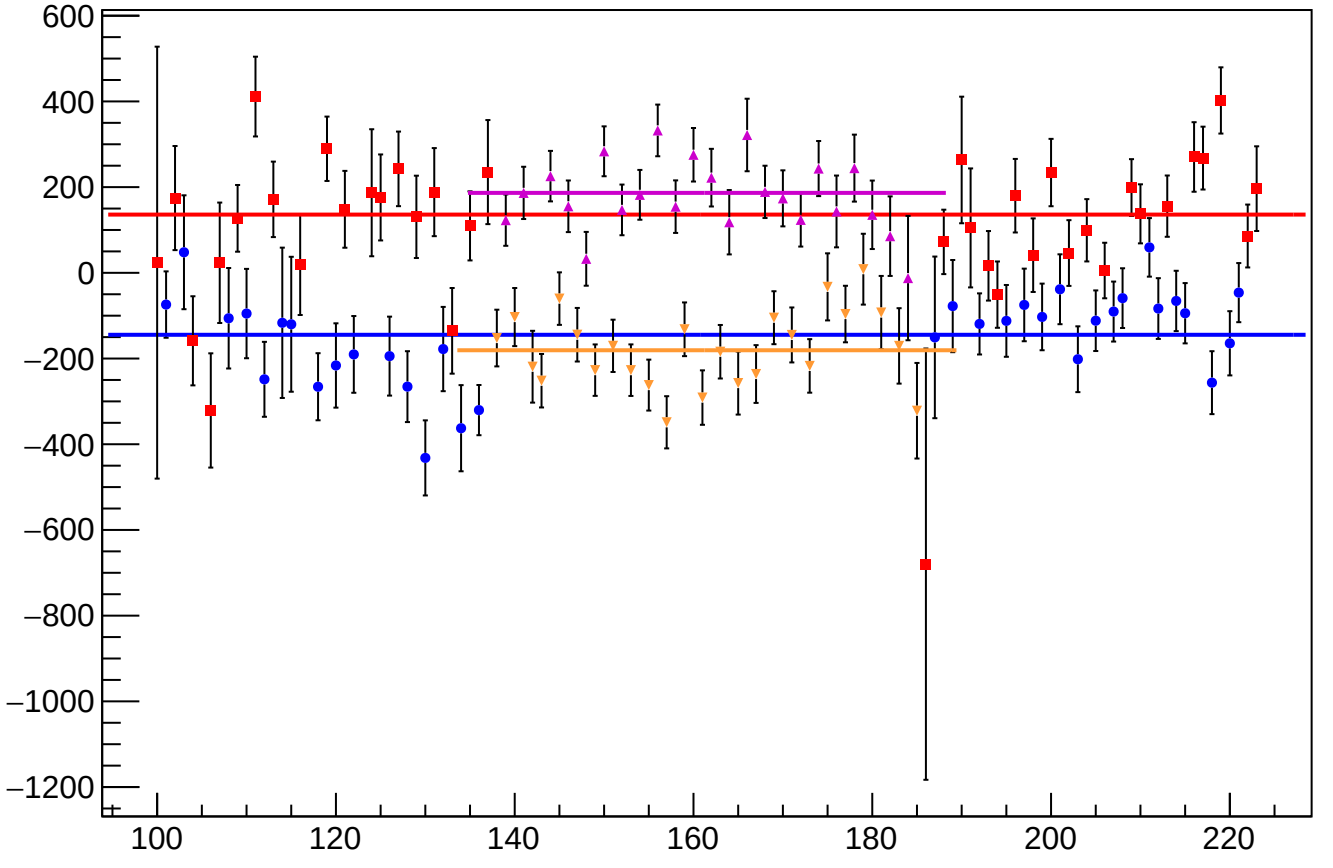
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 252.207+/-0.031 χ^2/NDF: 14483403.7/58

All: 241.939+/-0.021 χ^2/NDF: 34428360.9/12

- sign 232.422+/-0.029 χ^2/NDF: 19728400.8/61

cor_asym_sam8_mean vs Slug



Right In: -144.593+/-14.213 χ^2/NDF: 57.0/33

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 135.909+/-14.268 χ^2/NDF: 85.4/38

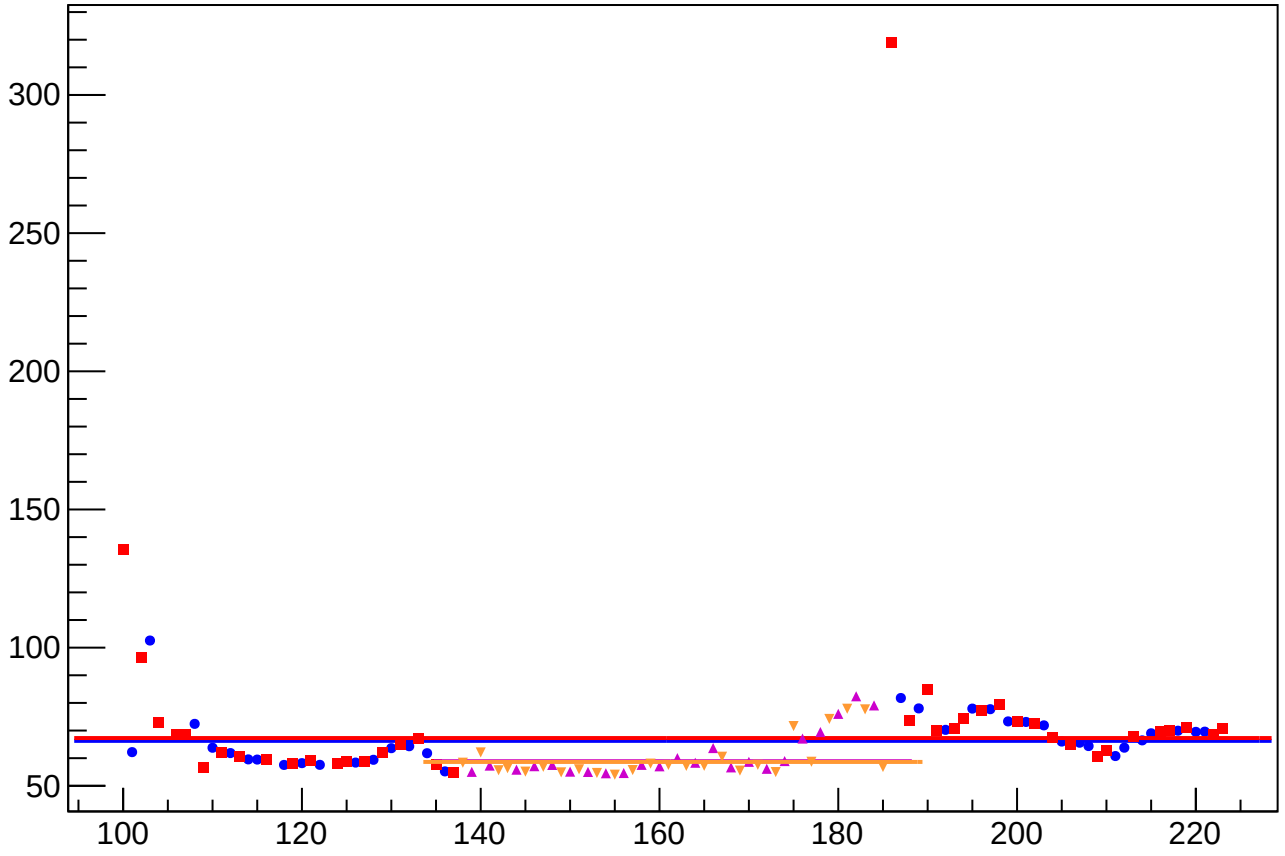
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -163.674+/-9.757 χ^2/NDF: 99.0/58

All: -3.896+/-6.964 χ^2/NDF: 766.4/120

- sign 161.973+/-9.942 χ^2/NDF: 120.9/61

cor_asym_sam8_rms vs Slug



Right In: 66.268+/-0.010 χ^2/NDF: 529901.9/33

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.283+/-0.010 χ^2/NDF: 1061280.1/38

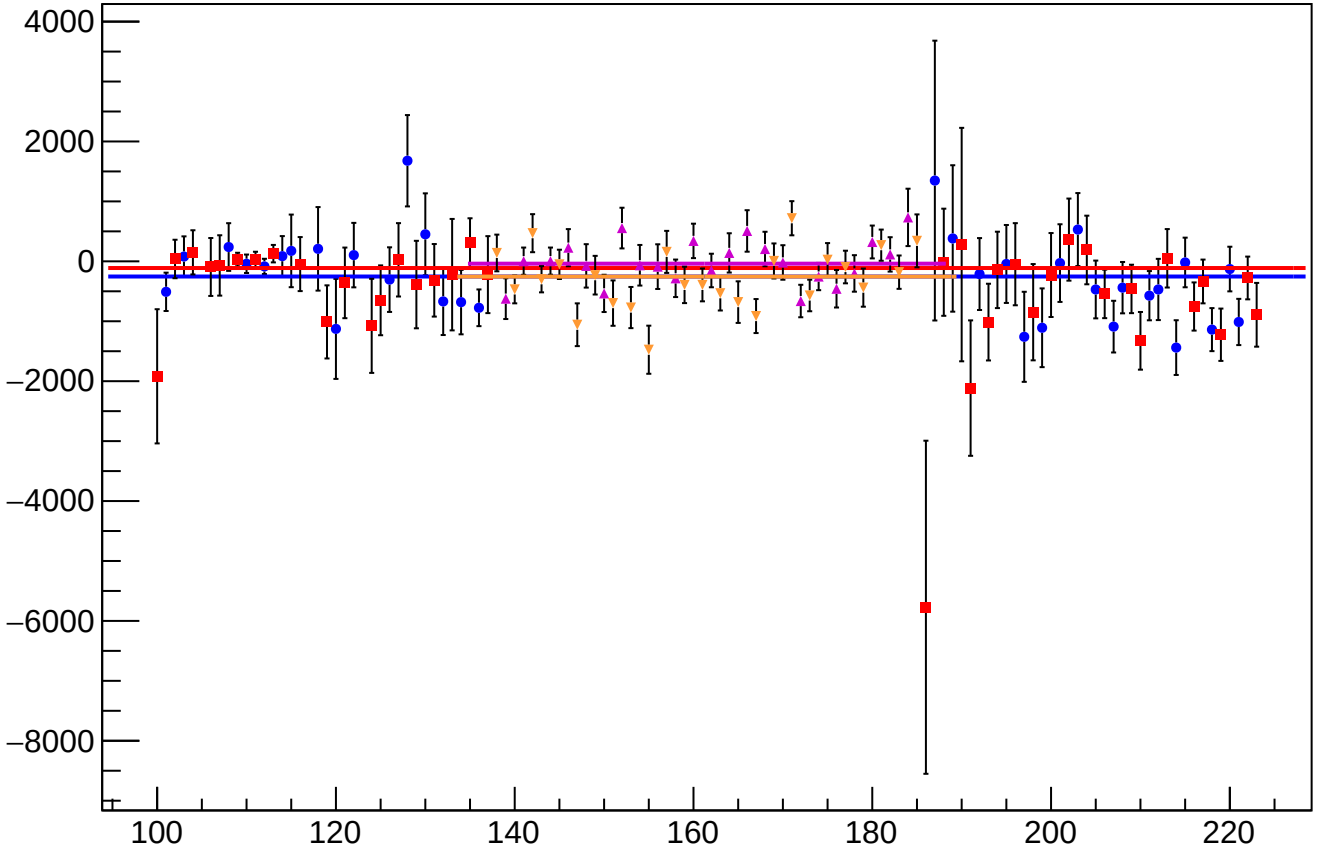
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.237+/-0.007 χ^2/NDF: 1228066.4/58

All: 62.598+/-0.005 χ^2/NDF: 3036441.9/120

- sign 62.973+/-0.007 χ^2/NDF: 1802790.6/61

asym_sam8_cor_correction_mean vs Slug



Right In: -253.315+/-63.949 χ^2/NDF: 50.1/33

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -111.724+/-56.540 χ^2/NDF: 46.1/38

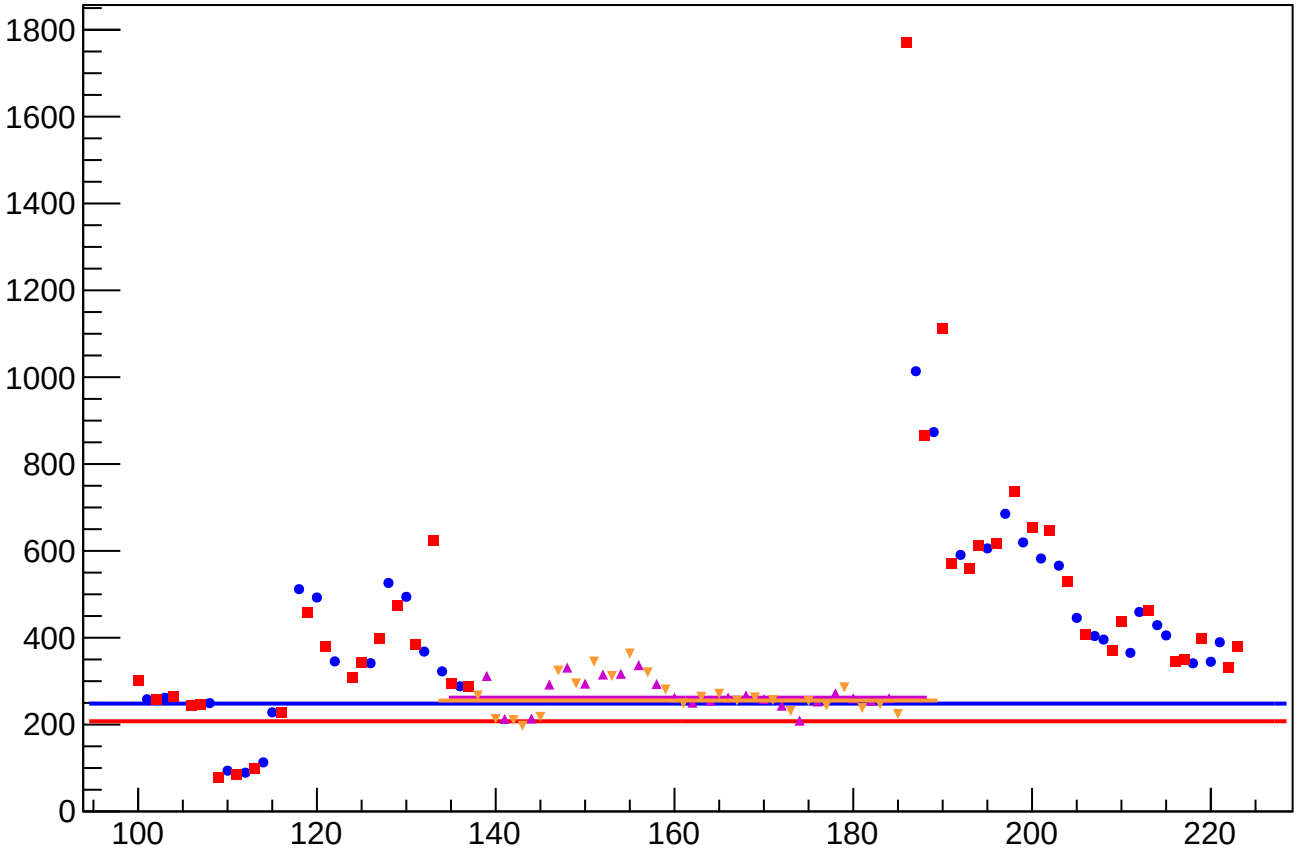
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -254.024+/-43.314 χ^2/NDF: 107.7/58

All: -163.121+/-30.056 χ^2/NDF: 191.4/120

- sign -78.702+/-41.741 χ^2/NDF: 75.2/61

asym_sam8_cor_correction_rms vs Slug



Right In: 248.359+/-0.045 χ^2/NDF: 13606166.7/33

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 207.690+/-0.040 χ^2/NDF: 18218180.2/38

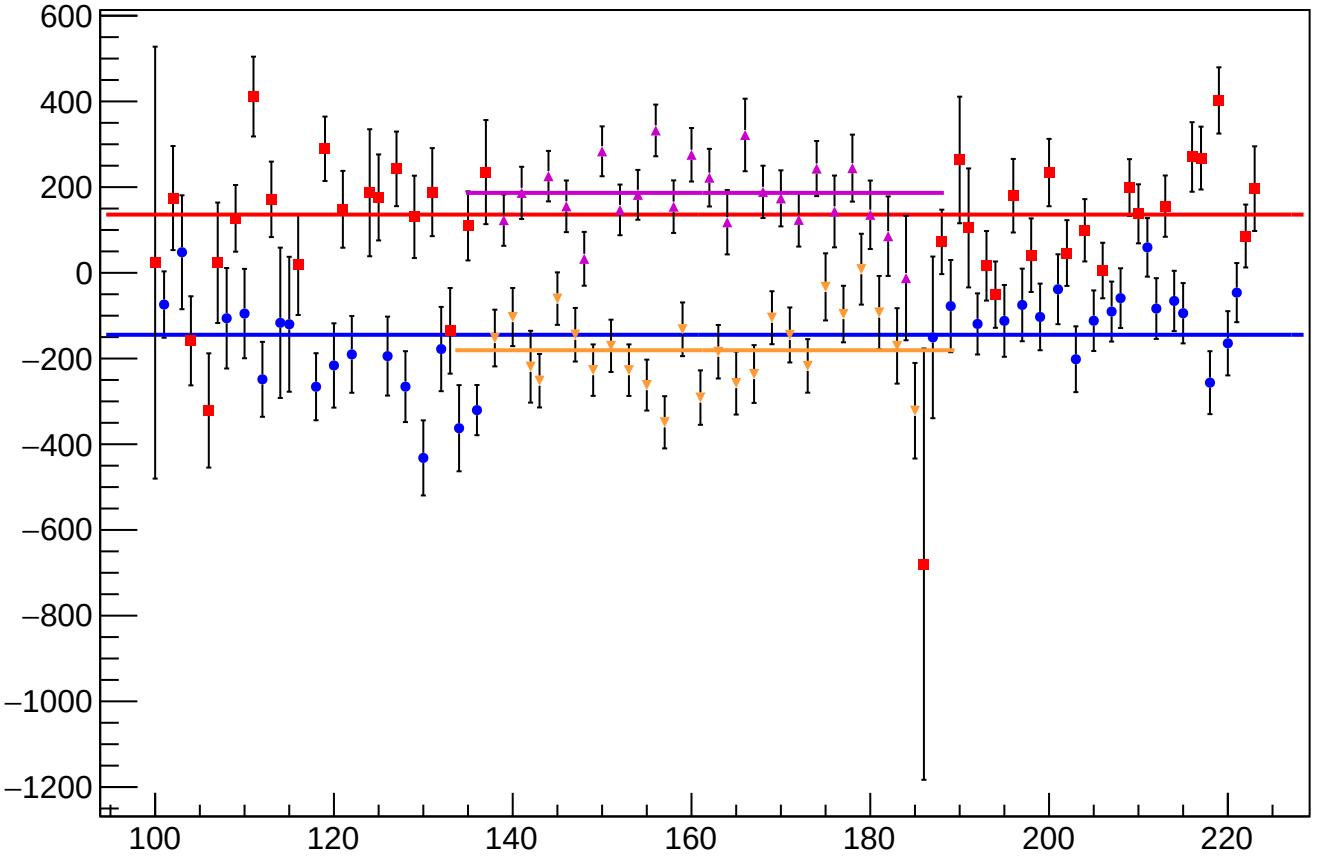
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 252.207+/-0.031 χ^2/NDF: 14483417.5/58

All: 241.939+/-0.021 χ^2/NDF: 34428771.2/12

- sign 232.403+/-0.030 χ^2/NDF: 19728571.2/61

eigen_cor_asym_sam8_mean vs Slug



Right In: -144.593+/-14.213 χ^2/NDF: 57.0/33

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 135.909+/-14.268 χ^2/NDF: 85.4/38

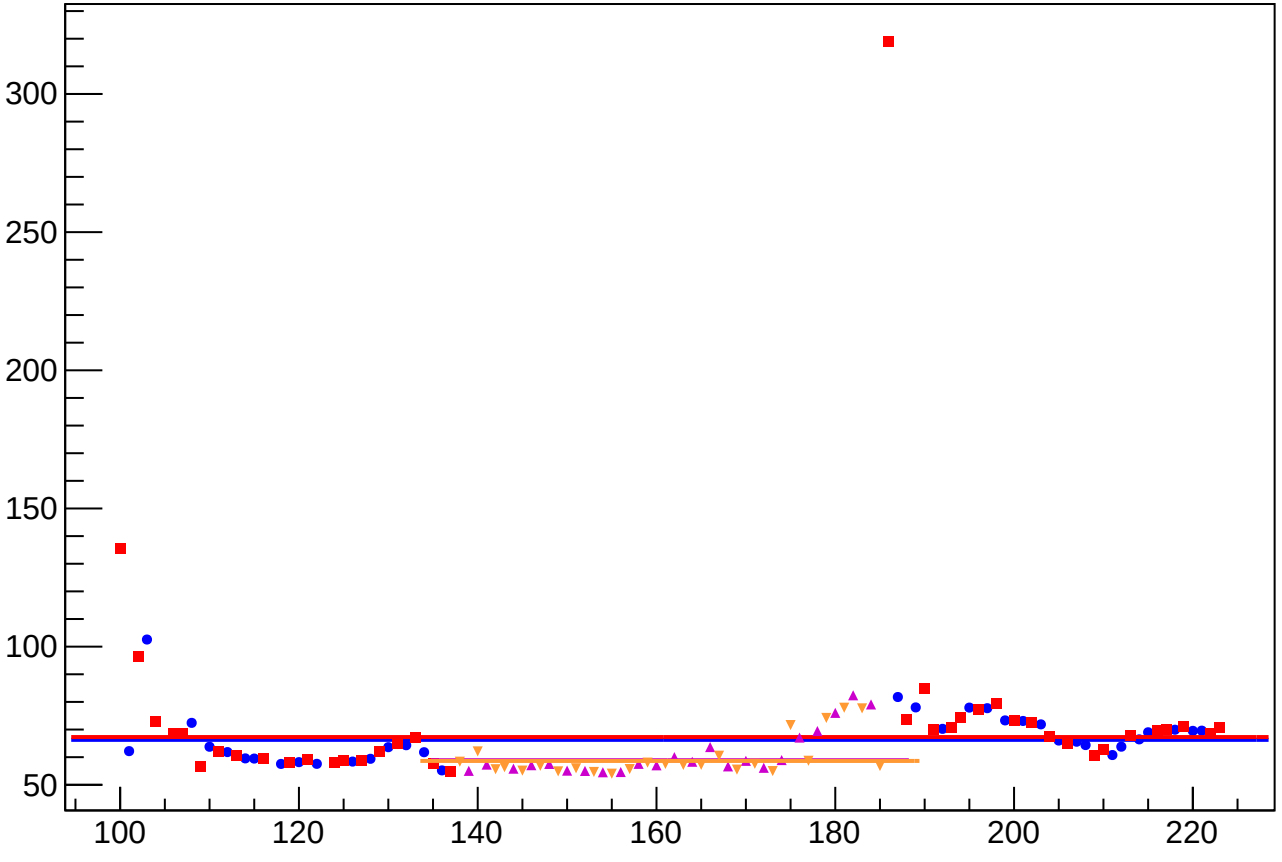
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -163.674+/-9.757 χ^2/NDF: 99.0/58

All: -3.896+/-6.964 χ^2/NDF: 766.4/120

- sign 161.973+/-9.942 χ^2/NDF: 120.9/61

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.268+/-0.010 χ^2/NDF: 529901.9/33

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.283+/-0.010 χ^2/NDF: 1061280.1/38

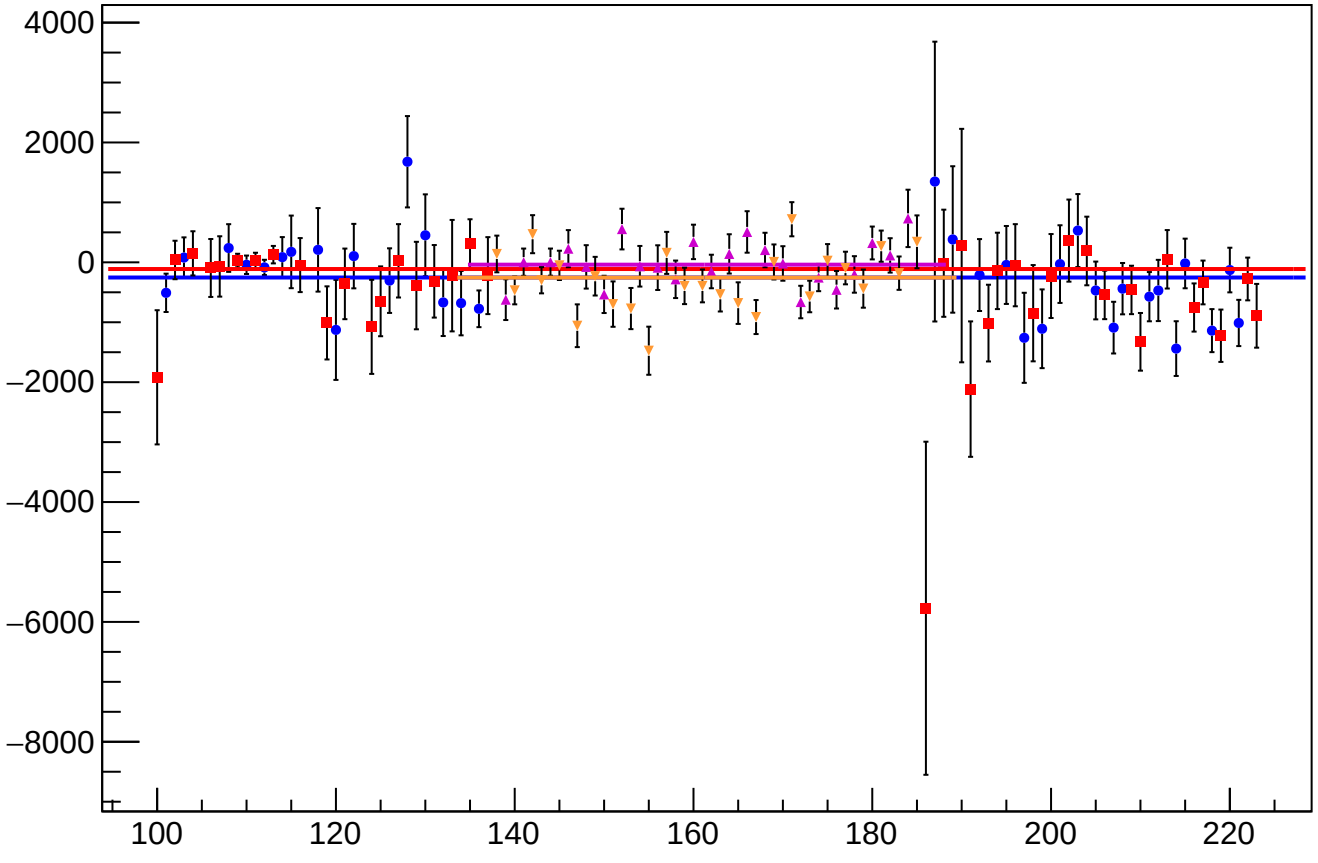
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.237+/-0.007 χ^2/NDF: 1228066.4/58

All: 62.598+/-0.005 χ^2/NDF: 3036441.9/120

- sign 62.973+/-0.007 χ^2/NDF: 1802790.6/61

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -253.315+/-63.949 χ^2/NDF: 50.1/33

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -111.724+/-56.540 χ^2/NDF: 46.1/38

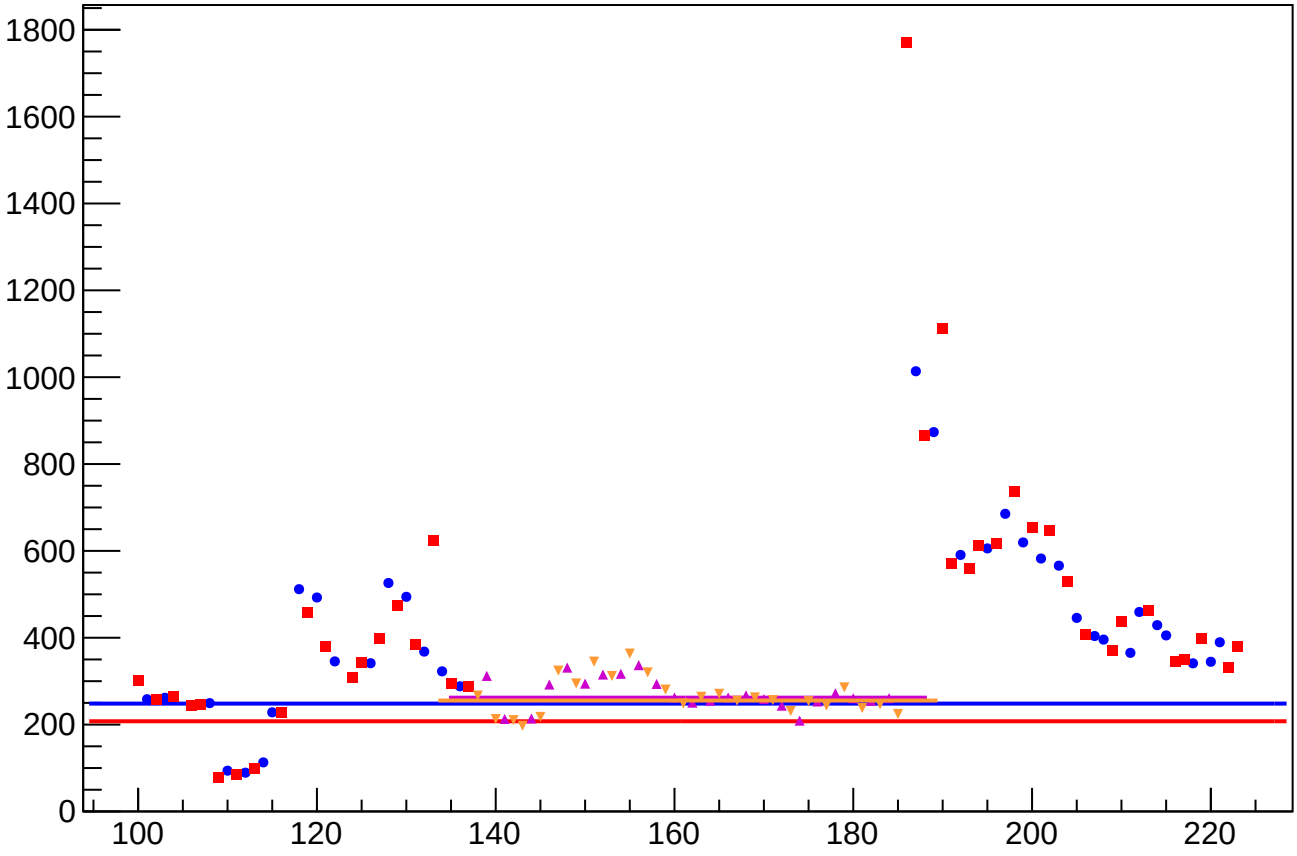
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -254.024+/-43.314 χ^2/NDF: 107.7/58

All: -163.121+/-30.056 χ^2/NDF: 191.4/120

- sign -78.702+/-41.741 χ^2/NDF: 75.2/61

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 248.359+/-0.045 χ^2/NDF: 13606166.7/33

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 207.690+/-0.040 χ^2/NDF: 18218180.2/38

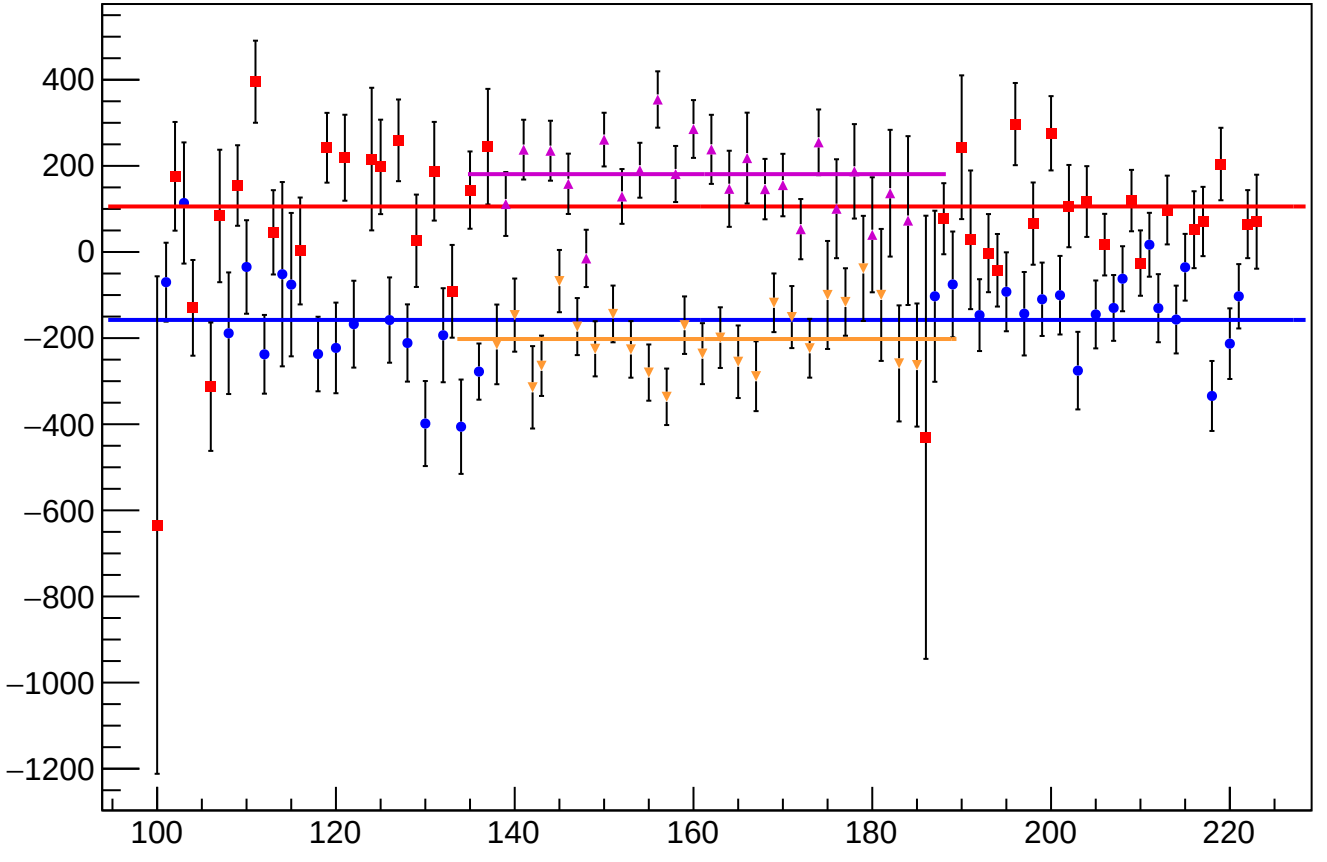
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 252.207+/-0.031 χ^2/NDF: 14483417.5/58

All: 241.939+/-0.021 χ^2/NDF: 34428771.2/12

- sign 232.403+/-0.030 χ^2/NDF: 19728571.2/61

dit_asym_sam8_mean vs Slug



Right In: -157.765+/-15.746 χ^2/NDF: 42.5/33

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 105.700+/-15.760 χ^2/NDF: 60.1/38

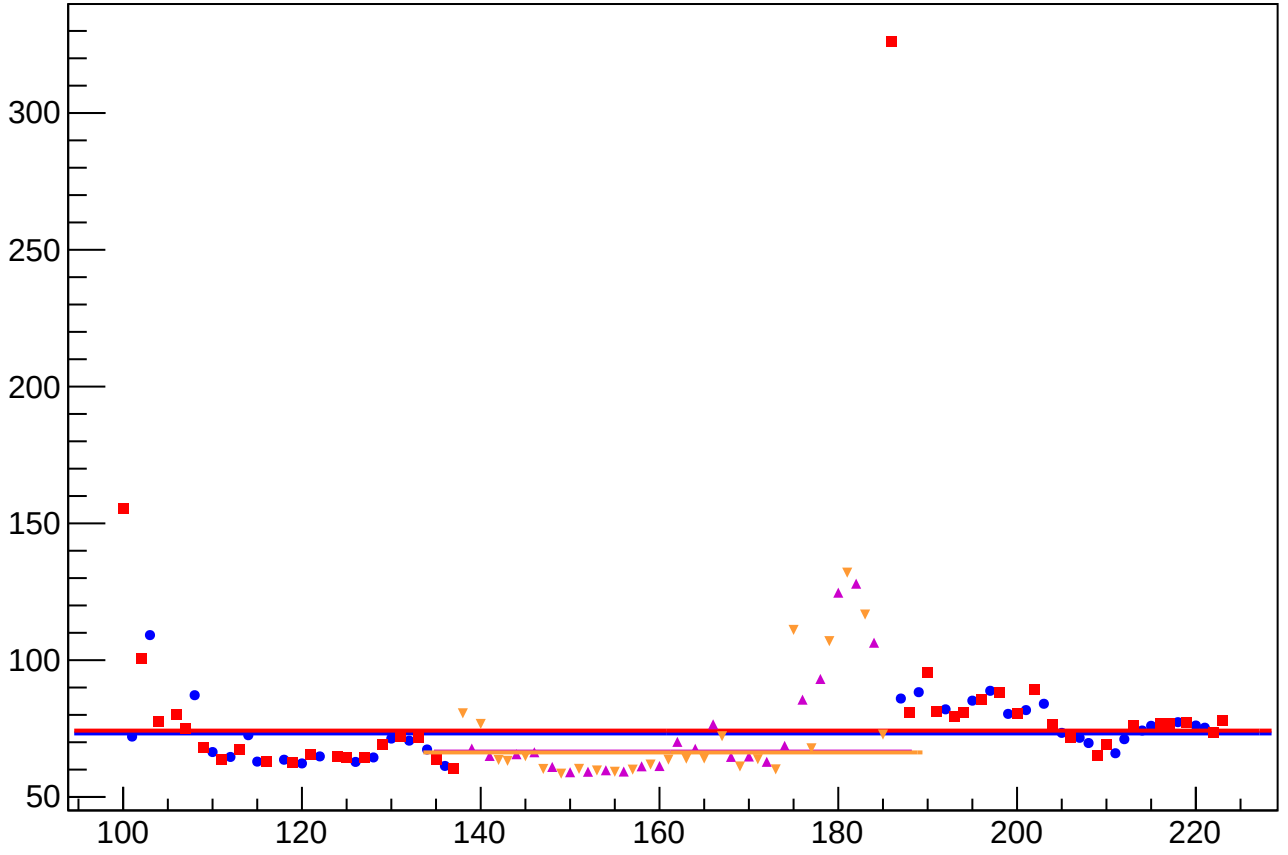
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -180.223+/-11.060 χ^2/NDF: 68.0/58

All: -21.324+/-7.881 χ^2/NDF: 588.8/120

- sign 142.630+/-11.234 χ^2/NDF: 101.4/61

dit_asym_sam8_rms vs Slug



Right In: 73.225+/-0.011 χ^2/NDF: 603906.4/33

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.251+/-0.011 χ^2/NDF: 1078992.2/38

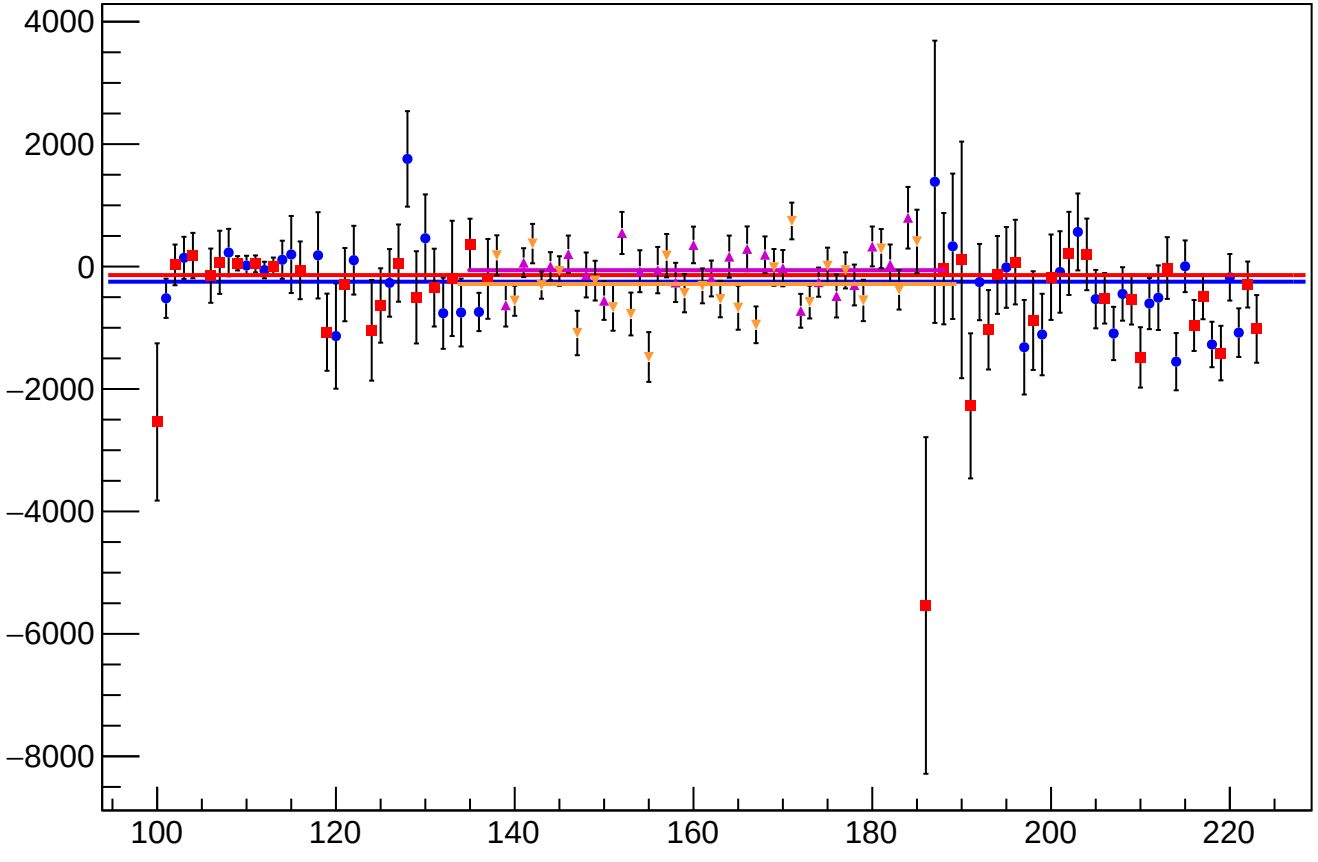
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 69.706+/-0.008 χ^2/NDF: 2194986.8/58

All: 70.087+/-0.006 χ^2/NDF: 4669757.9/120

- sign 70.480+/-0.008 χ^2/NDF: 2469943.0/61

asym_sam8_dit_correction_mean vs Slug



Right In: -246.979+/-65.804 χ^2/NDF: 55.3/33

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -139.255+/-58.058 χ^2/NDF: 51.7/38

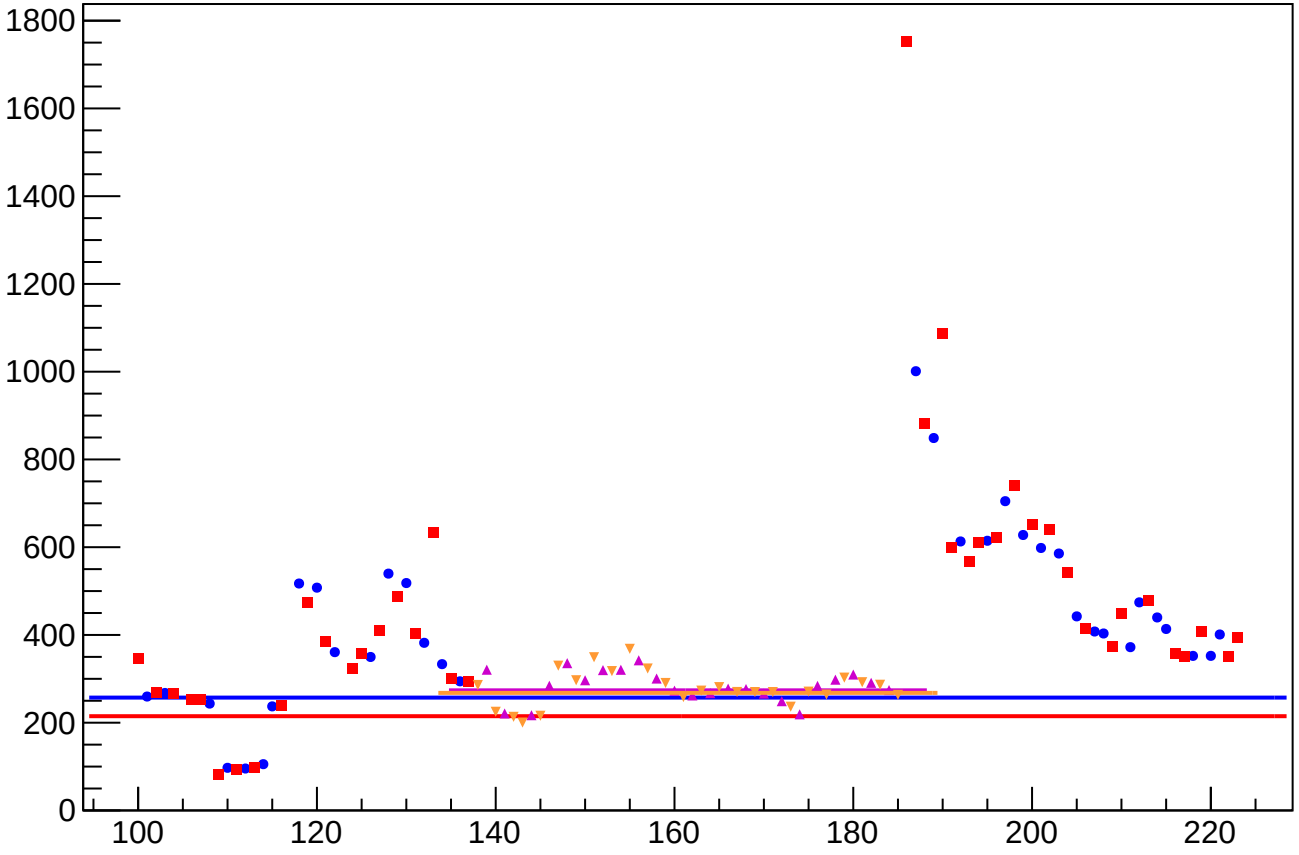
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -266.911+/-45.020 χ^2/NDF: 110.1/58

All: -181.815+/-31.168 χ^2/NDF: 196.4/120

- sign -103.490+/-43.192 χ^2/NDF: 79.4/61

asym_sam8_dit_correction_rms vs Slug



Right In: 257.215+/-0.047 χ^2/NDF: 13266466.6/33

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 214.830+/-0.041 χ^2/NDF: 17965924.7/38

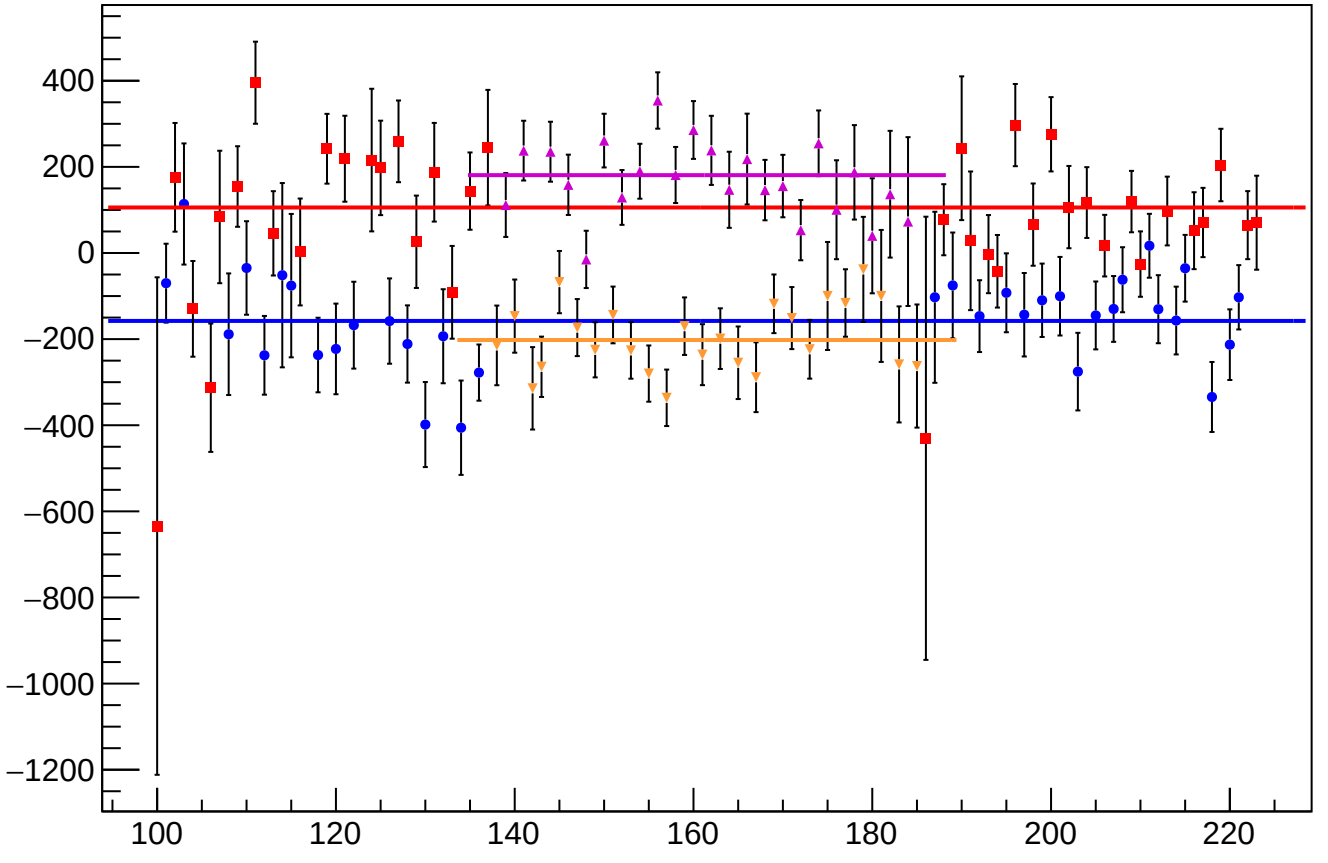
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 262.944+/-0.032 χ^2/NDF: 14157755.0/58

All: 251.591+/-0.022 χ^2/NDF: 33938078.0/12

- sign 241.140+/-0.031 χ^2/NDF: 19536045.2/61

eigen_dit_asym_sam8_mean vs Slug



Right In: -157.764+/-15.746 χ^2/NDF: 42.5/33

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 105.701+/-15.760 χ^2/NDF: 60.1/38

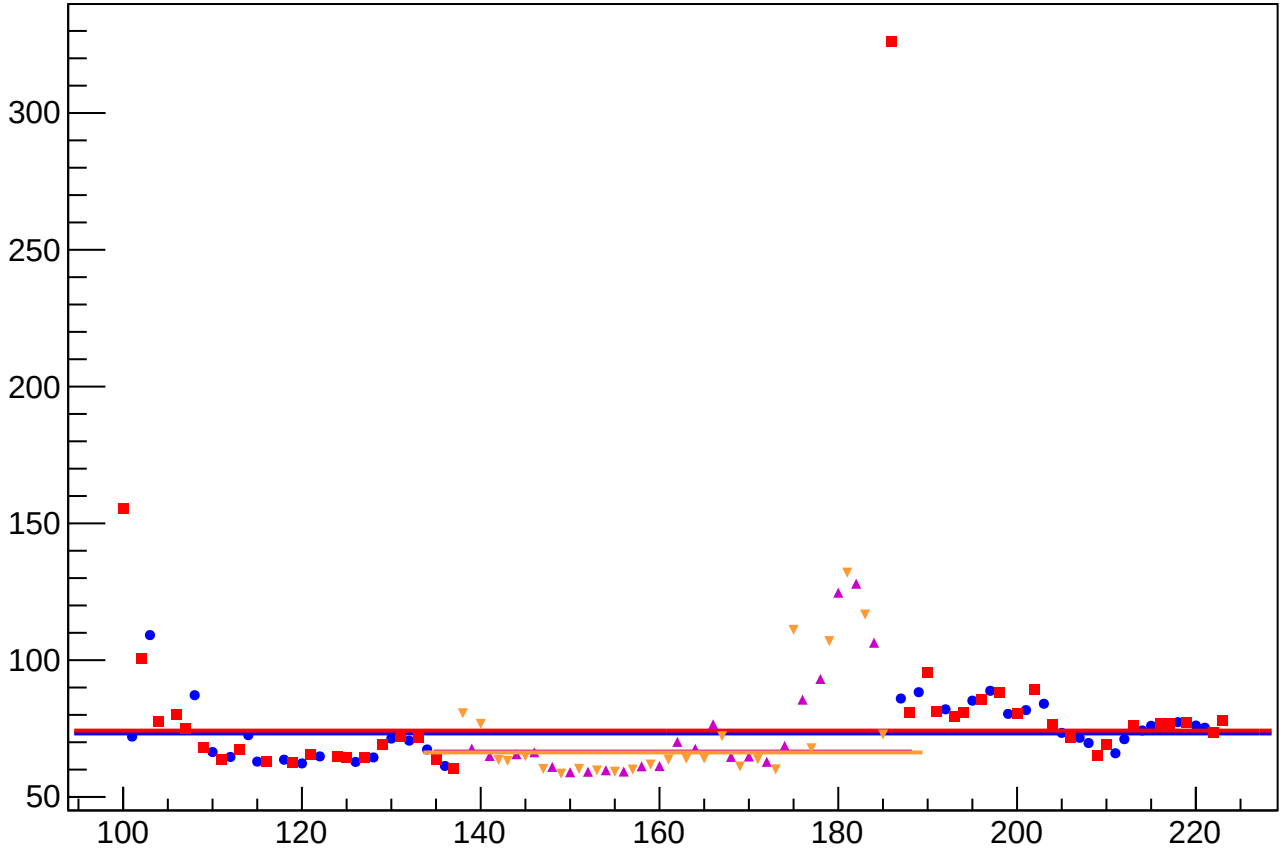
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -180.222+/-11.060 χ^2/NDF: 68.0/58

All: -21.324+/-7.881 χ^2/NDF: 588.8/120

- sign 142.631+/-11.234 χ^2/NDF: 101.4/61

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.225+/-0.011 χ^2/NDF: 603910.6/33

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.251+/-0.011 χ^2/NDF: 1078997.1/38

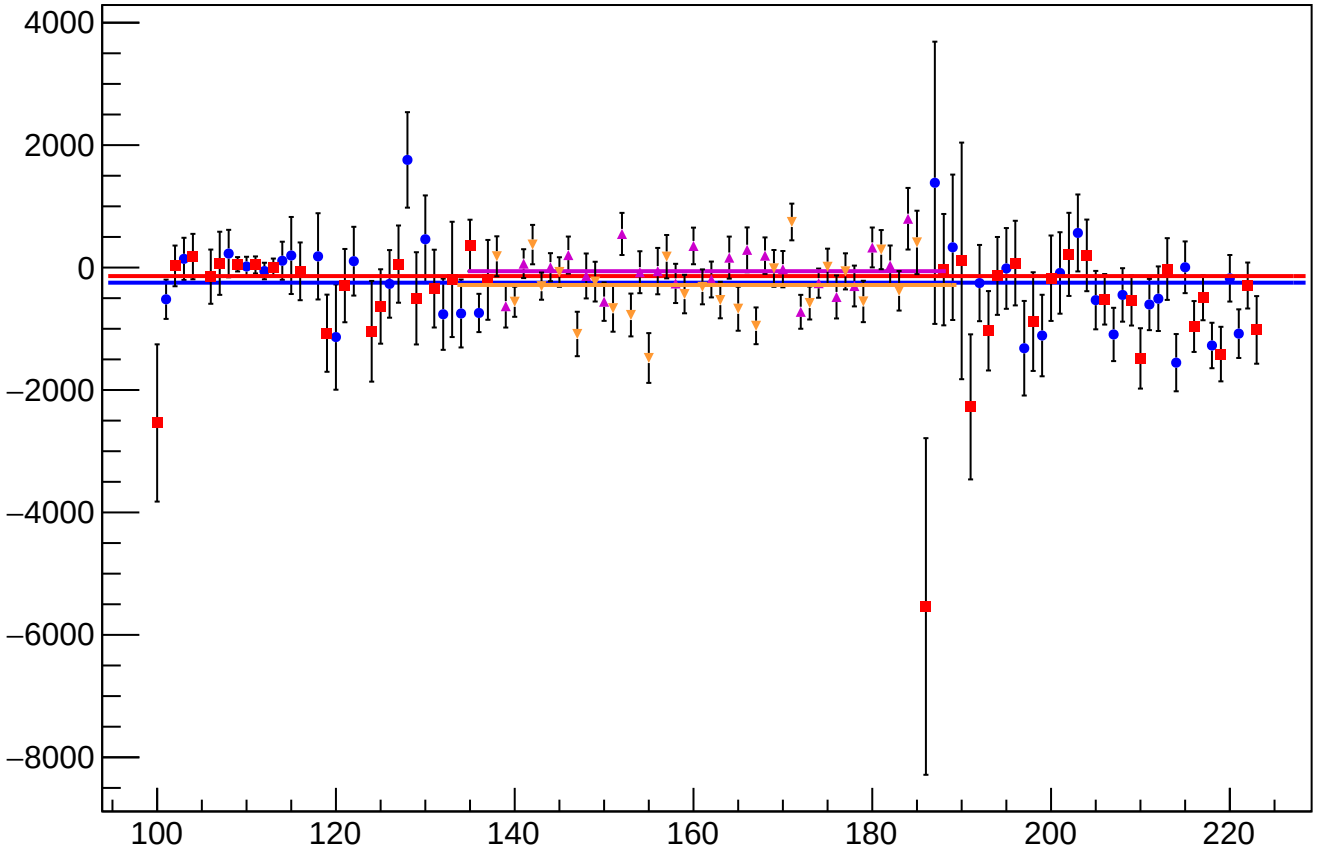
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 69.706+/-0.008 χ^2/NDF: 2194984.6/58

All: 70.087+/-0.006 χ^2/NDF: 4669742.5/120

- sign 70.480+/-0.008 χ^2/NDF: 2469929.8/61

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -246.976+/-65.804 χ^2/NDF: 55.3/33

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -139.253+/-58.058 χ^2/NDF: 51.7/38

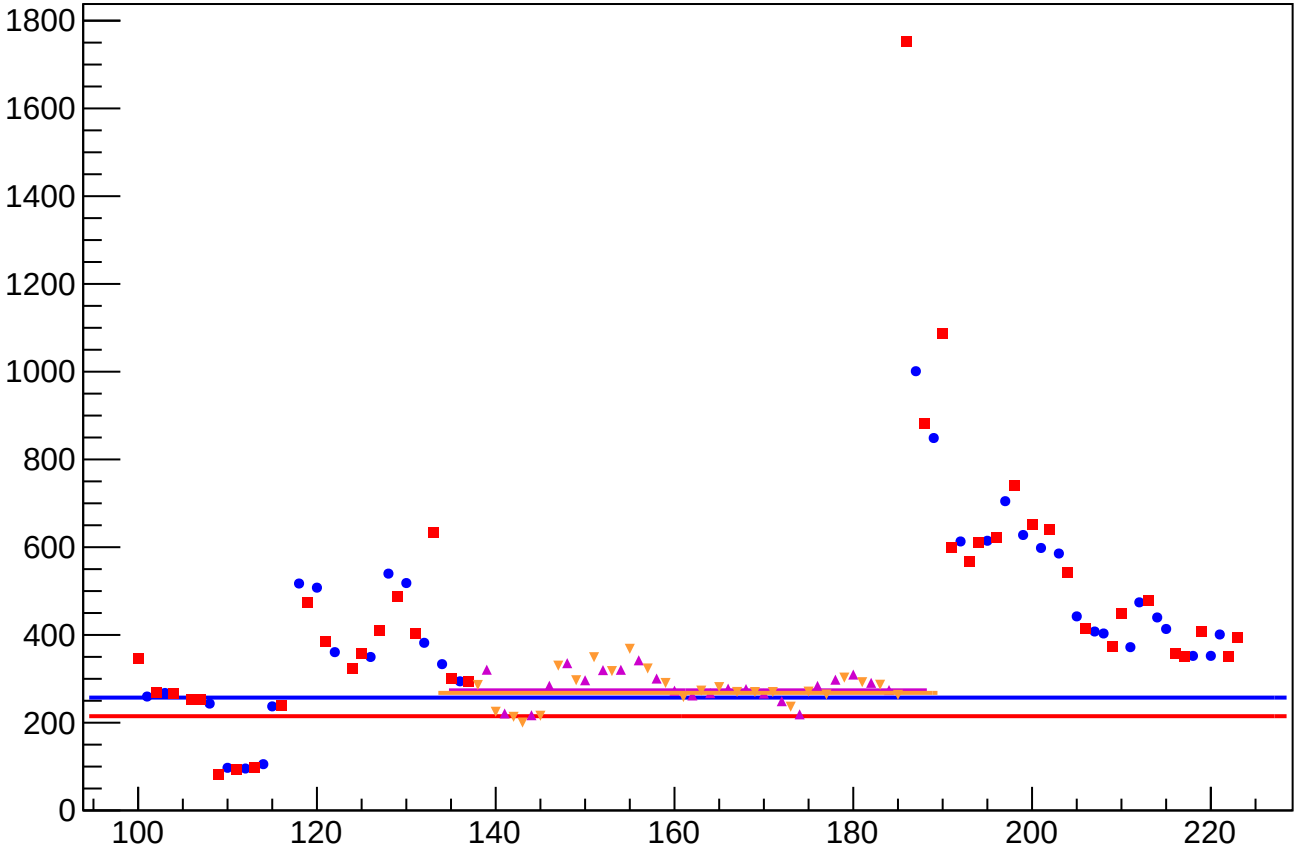
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -266.909+/-45.020 χ^2/NDF: 110.1/58

All: -181.814+/-31.168 χ^2/NDF: 196.4/120

- sign -103.488+/-43.192 χ^2/NDF: 79.4/61

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 257.213+/-0.047 χ^2/NDF: 13266570.4/33

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 214.829+/-0.041 χ^2/NDF: 17965925.8/38

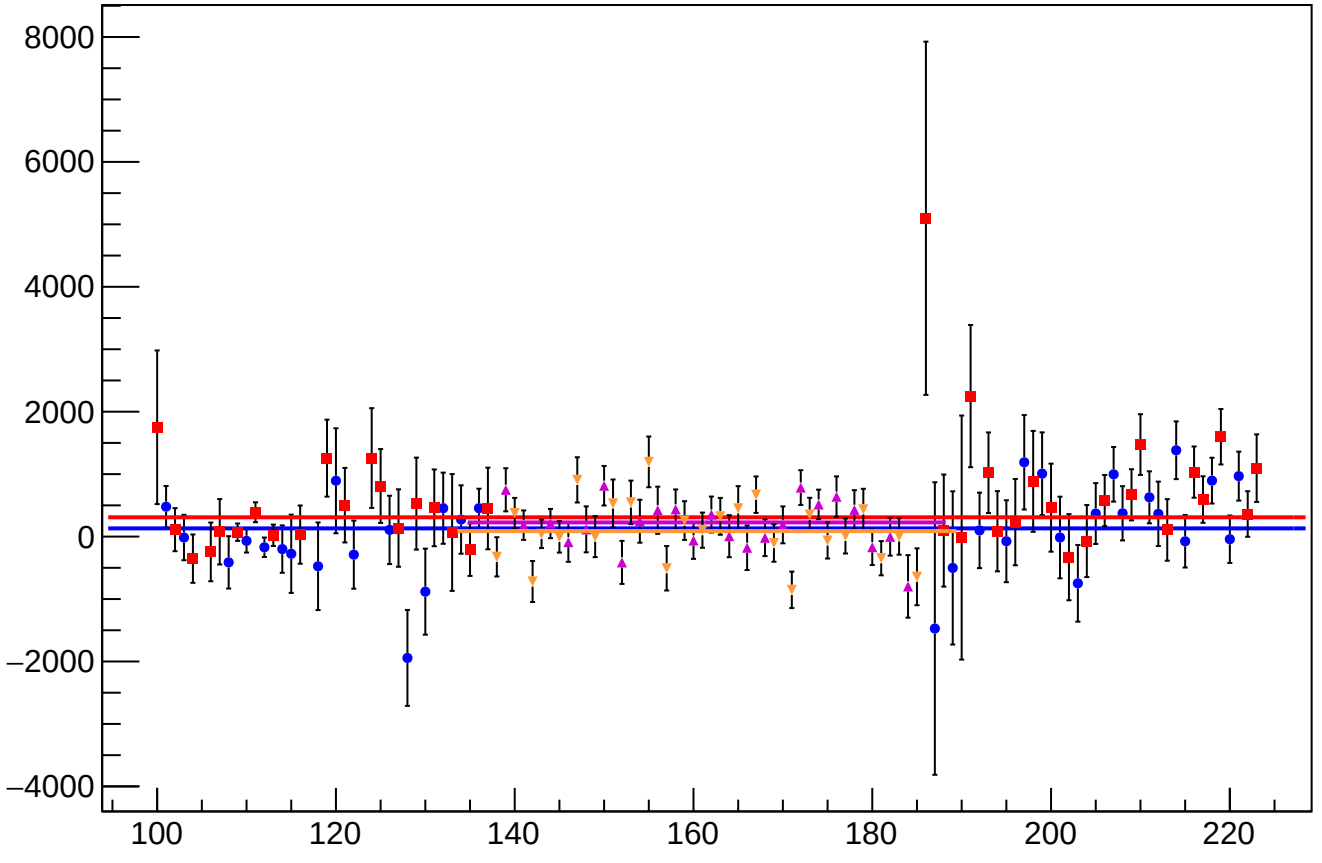
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 262.943+/-0.032 χ^2/NDF: 14157873.2/58

All: 251.590+/-0.022 χ^2/NDF: 33938181.4/12

- sign 241.139+/-0.031 χ^2/NDF: 19536043.1/61

asym_sam8_mean vs Slug



Right In: 131.409+/-70.207 χ^2/NDF: 51.6/33

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 308.995+/-63.616 χ^2/NDF: 49.5/38

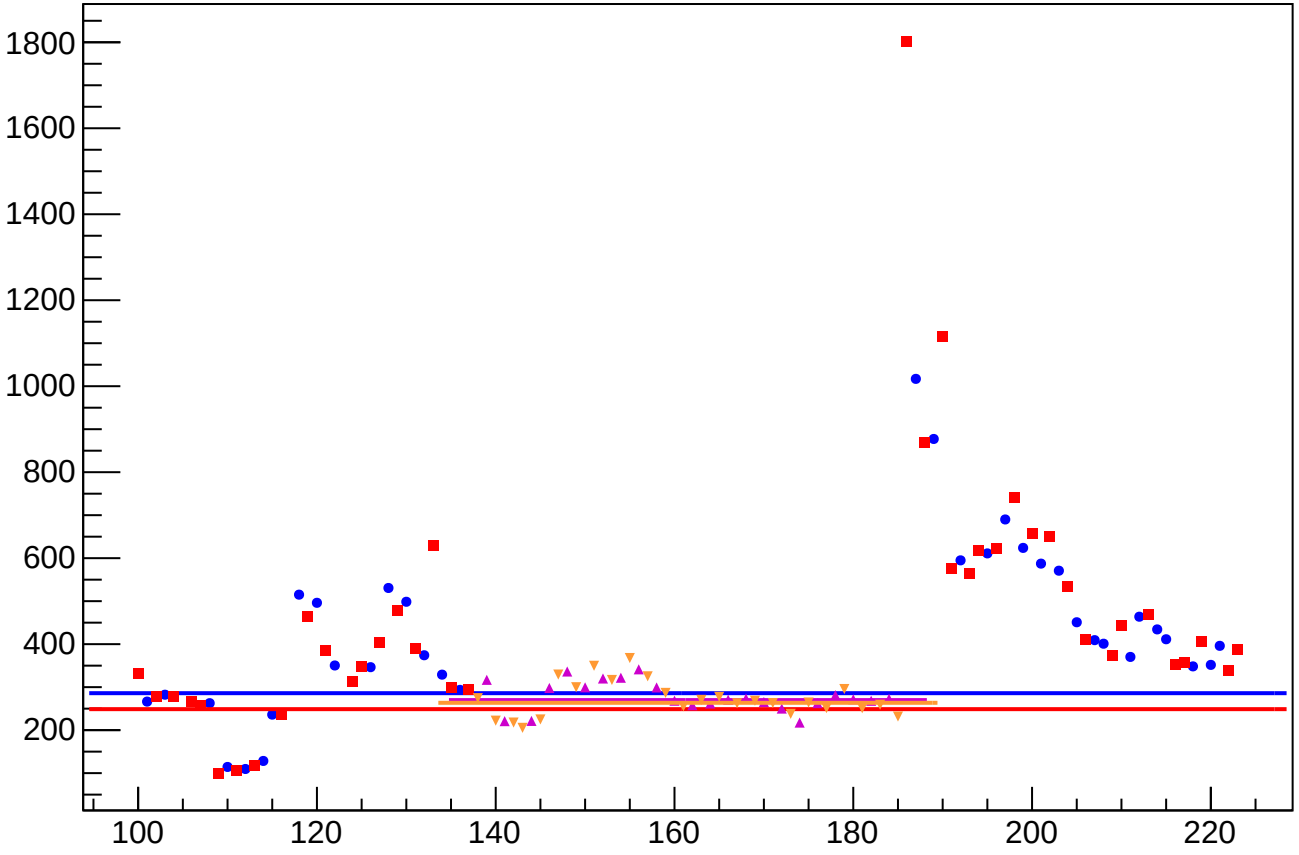
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 106.784+/-45.903 χ^2/NDF: 104.0/58

All: 188.969+/-32.136 χ^2/NDF: 189.4/120

- sign 267.970+/-45.005 χ^2/NDF: 79.2/61

asym_sam8_rms vs Slug



Right In: 285.969+/-0.050 χ^2/NDF: 10602199.9/33

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

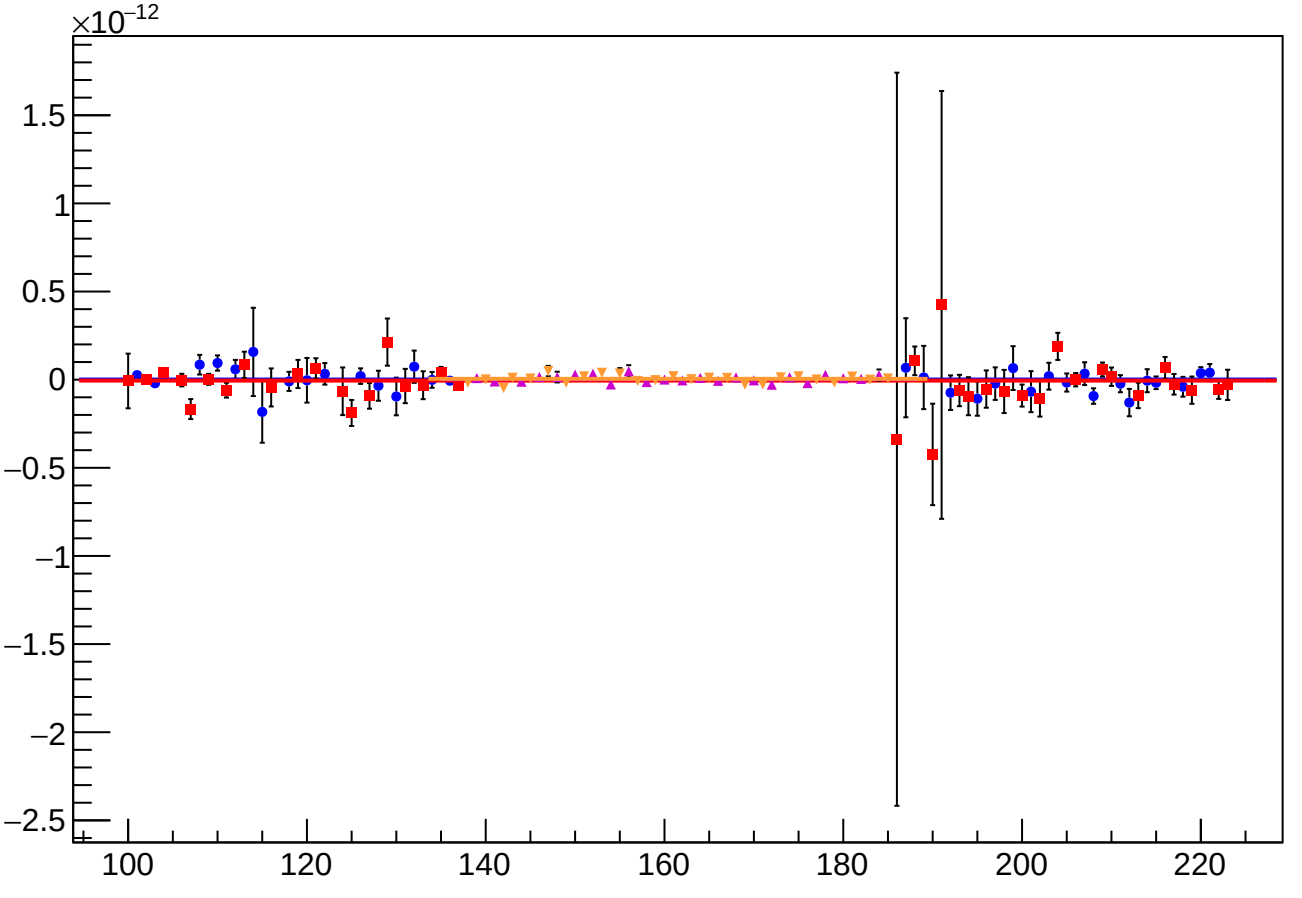
Right Out: 248.816+/-0.045 χ^2/NDF: 14796246.2/38

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 273.158+/-0.032 χ^2/NDF: 11498362.9/58

All: 266.116+/-0.023 χ^2/NDF: 27098887.3/12

- sign 259.347+/-0.032 χ^2/NDF: 15508205.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

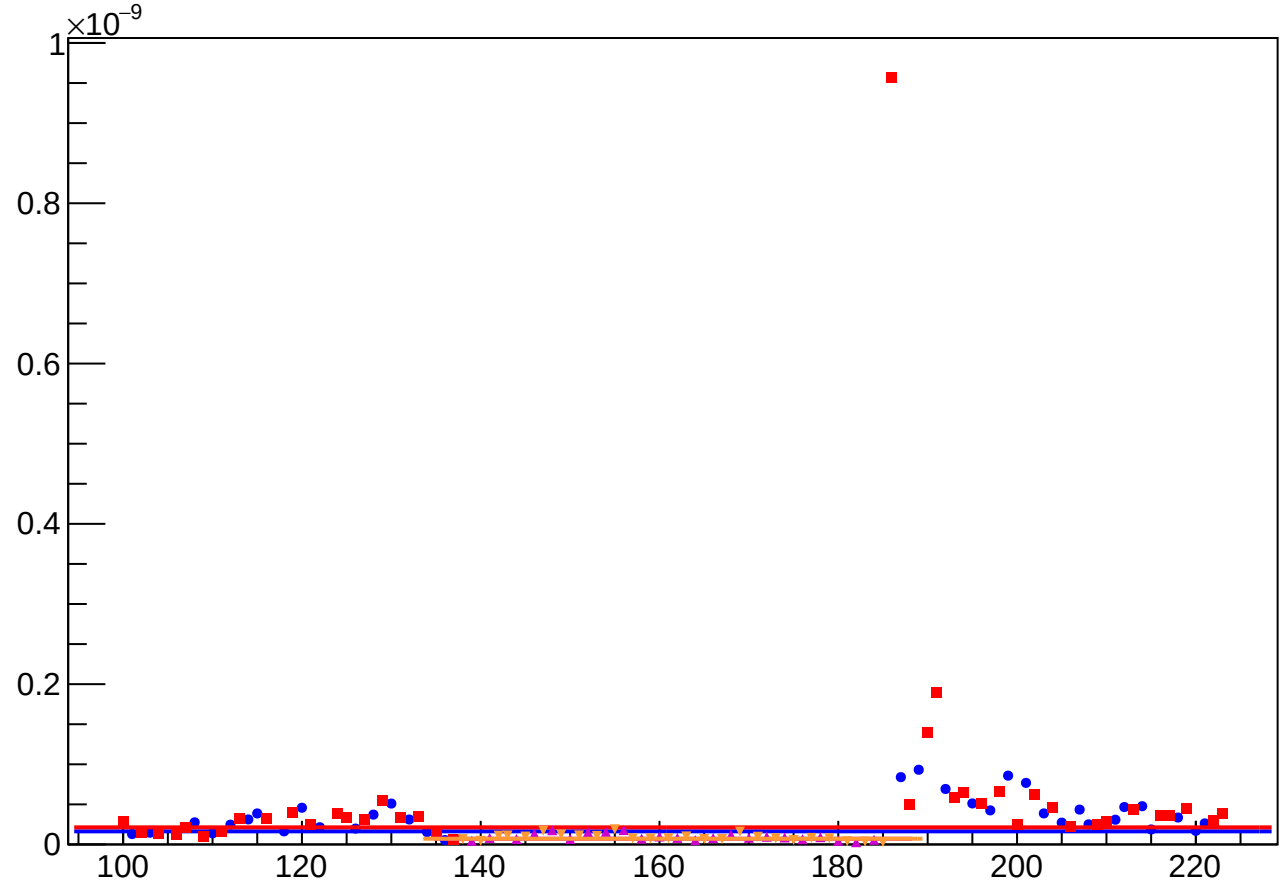
Right Out: -0.000+/-0.000 χ^2/NDF: 52.6/38

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

\+ sign 0.000+/-0.000 χ^2/NDF: 55.6/58

All: 0.000+/-0.000 χ^2/NDF: 130.8/120

\- sign 0.000+/-0.000 χ^2/NDF: 75.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 7103171.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

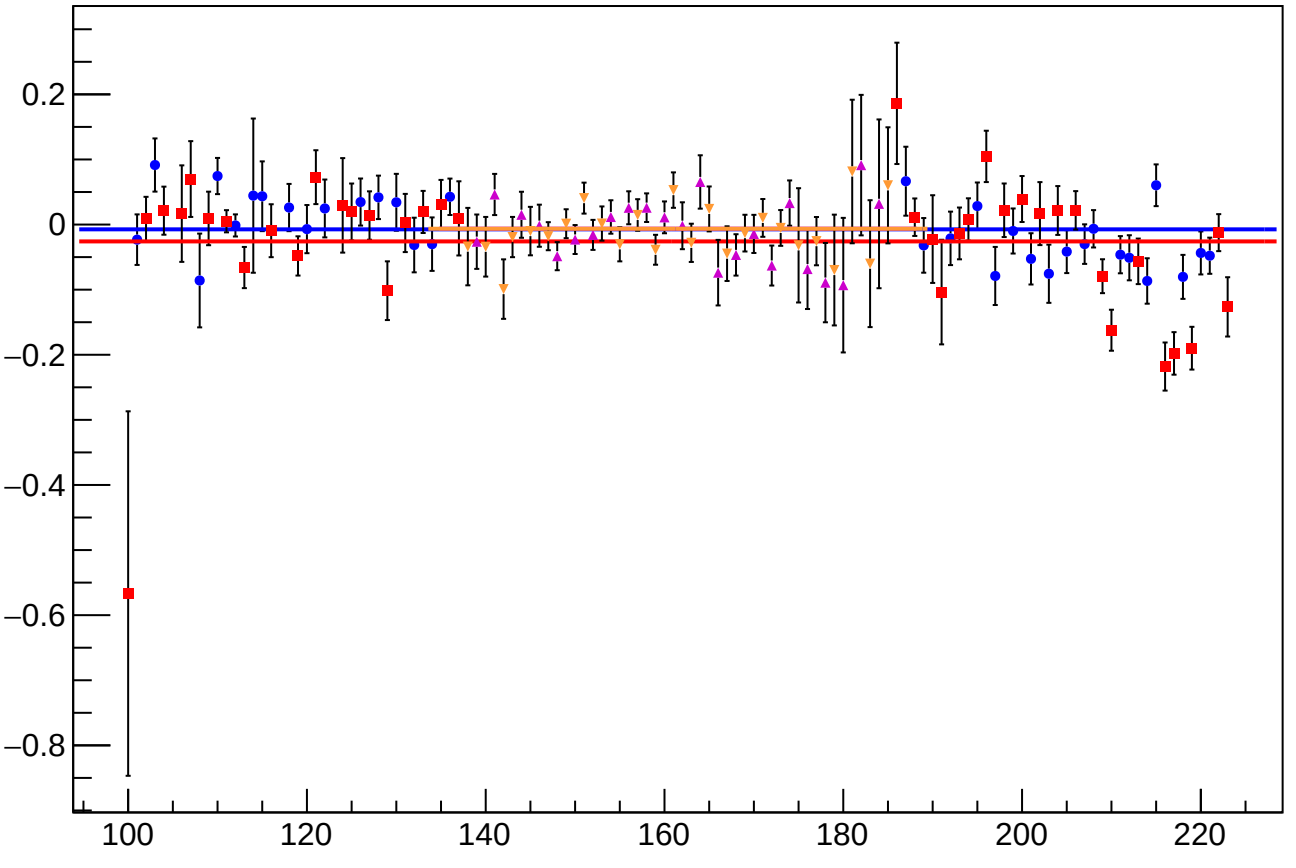
Right Out: 0.000+/-0.000 χ^2/NDF: 5556667.4/38

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11888873.7/58

All: 0.000+/-0.000 χ^2/NDF: 24445716.3/120

- sign 0.000+/-0.000 χ^2/NDF: 12548633.0/61



Right In: -0.007+/-0.006 χ^2/NDF: 59.1/33

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.006 χ^2/NDF: 170.4/38

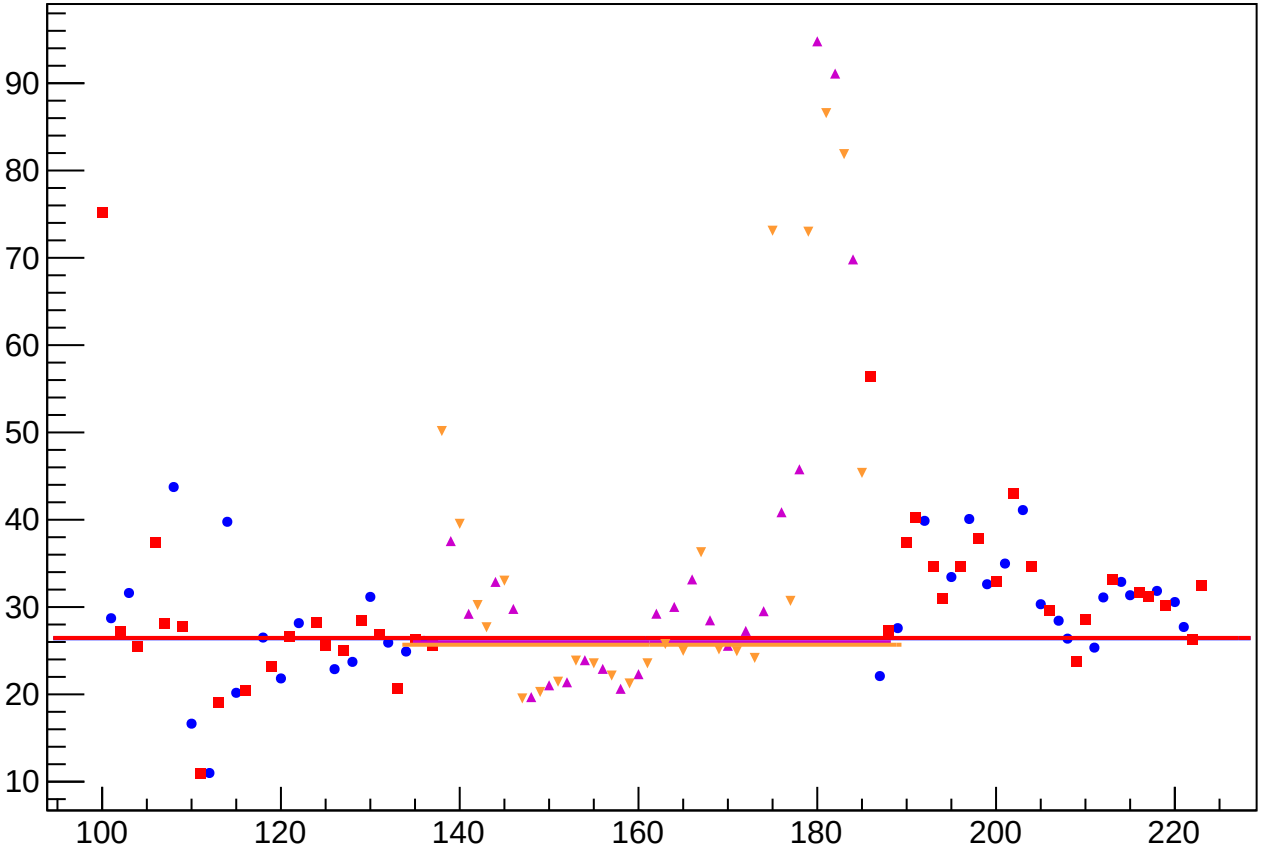
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.007+/-0.004 χ^2/NDF: 81.6/58

All: -0.012+/-0.003 χ^2/NDF: 288.1/120

- sign -0.017+/-0.004 χ^2/NDF: 203.7/61

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 26.422+/-0.004 χ^2/NDF: 3343954.3/33

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

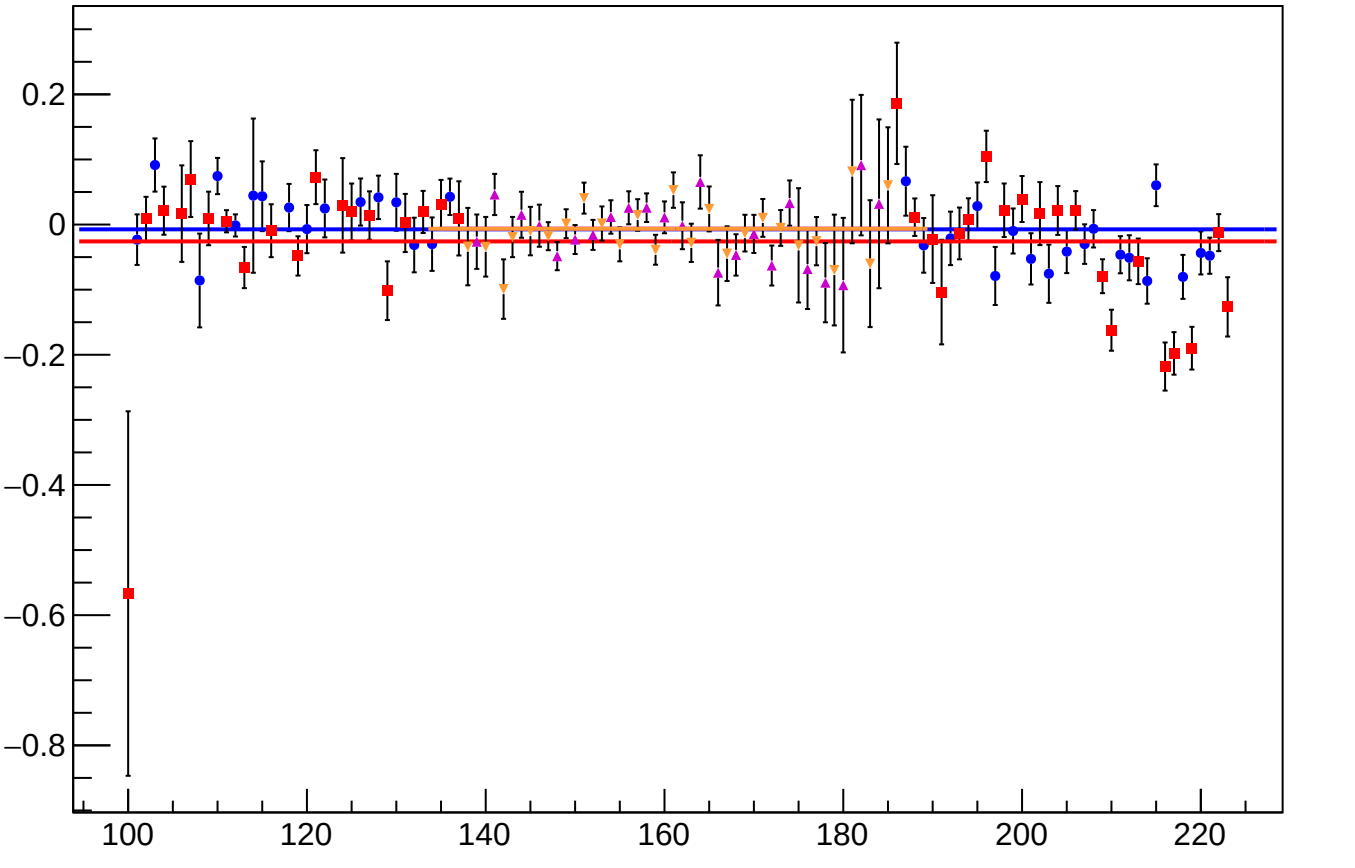
Right Out: 26.465+/-0.004 χ^2/NDF: 3369699.9/38

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 26.080+/-0.003 χ^2/NDF: 7229734.7/58

All: 26.163+/-0.002 χ^2/NDF: 13725456.8/120

- sign 26.248+/-0.003 χ^2/NDF: 6494244.7/61



Right In: -0.007+/-0.006 χ^2/NDF: 59.1/33

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.006 χ^2/NDF: 170.4/38

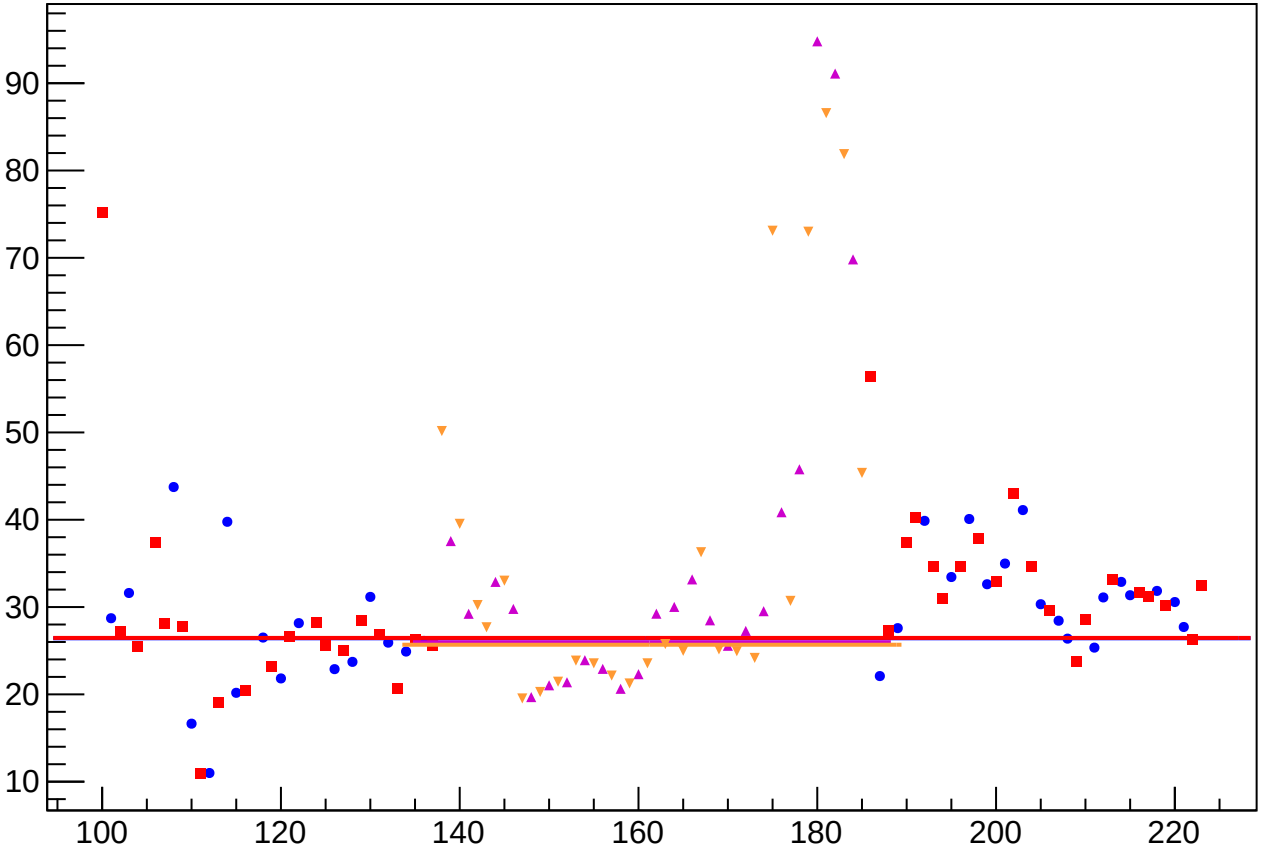
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.007+/-0.004 χ^2/NDF: 81.6/58

All: -0.012+/-0.003 χ^2/NDF: 288.1/120

- sign -0.017+/-0.004 χ^2/NDF: 203.7/61

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.422+/-0.004 χ^2/NDF: 3343954.3/33

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 26.465+/-0.004 χ^2/NDF: 3369699.9/38

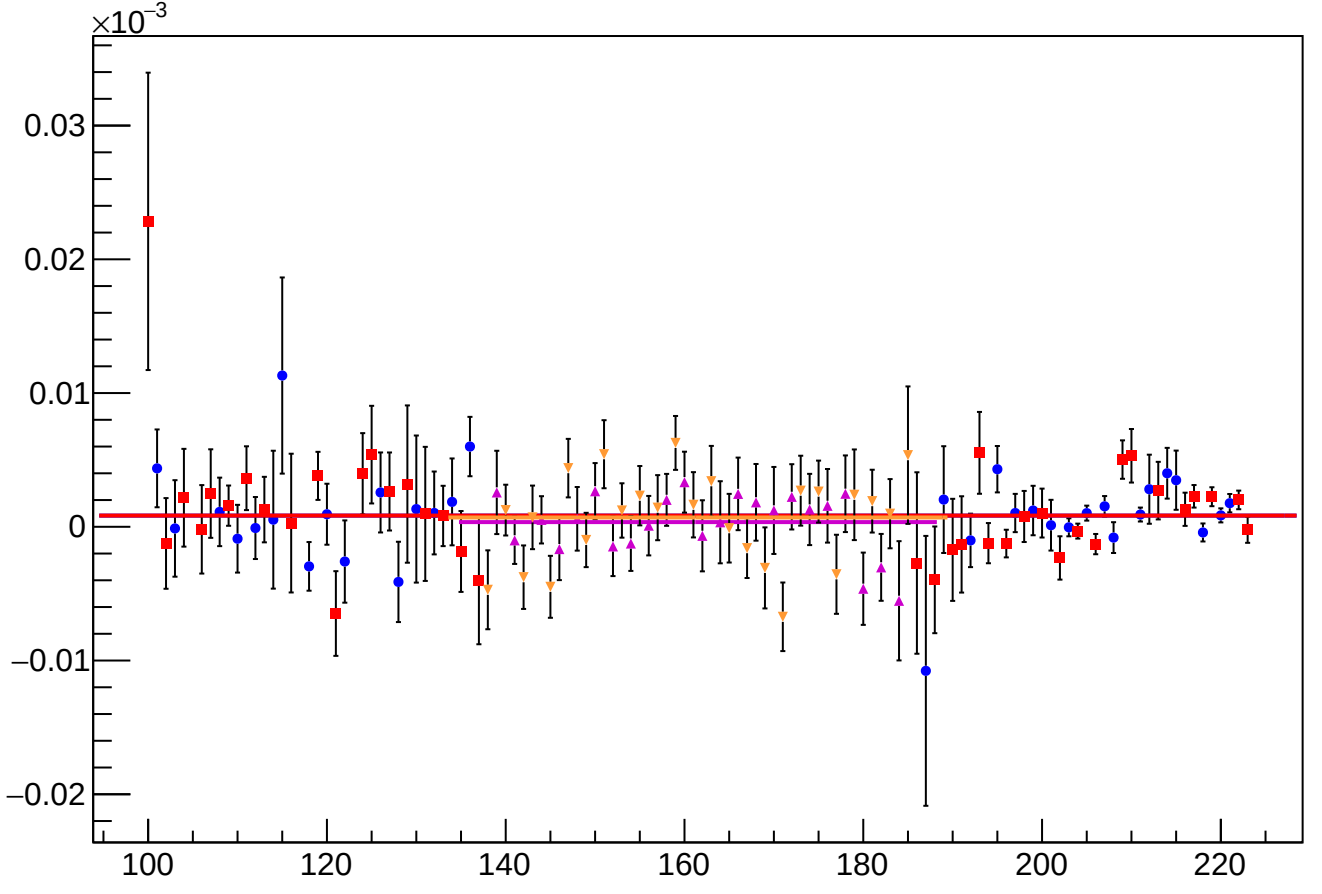
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 26.080+/-0.003 χ^2/NDF: 7229734.7/58

All: 26.163+/-0.002 χ^2/NDF: 13725456.8/120

- sign 26.248+/-0.003 χ^2/NDF: 6494244.7/61

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 71.7/38

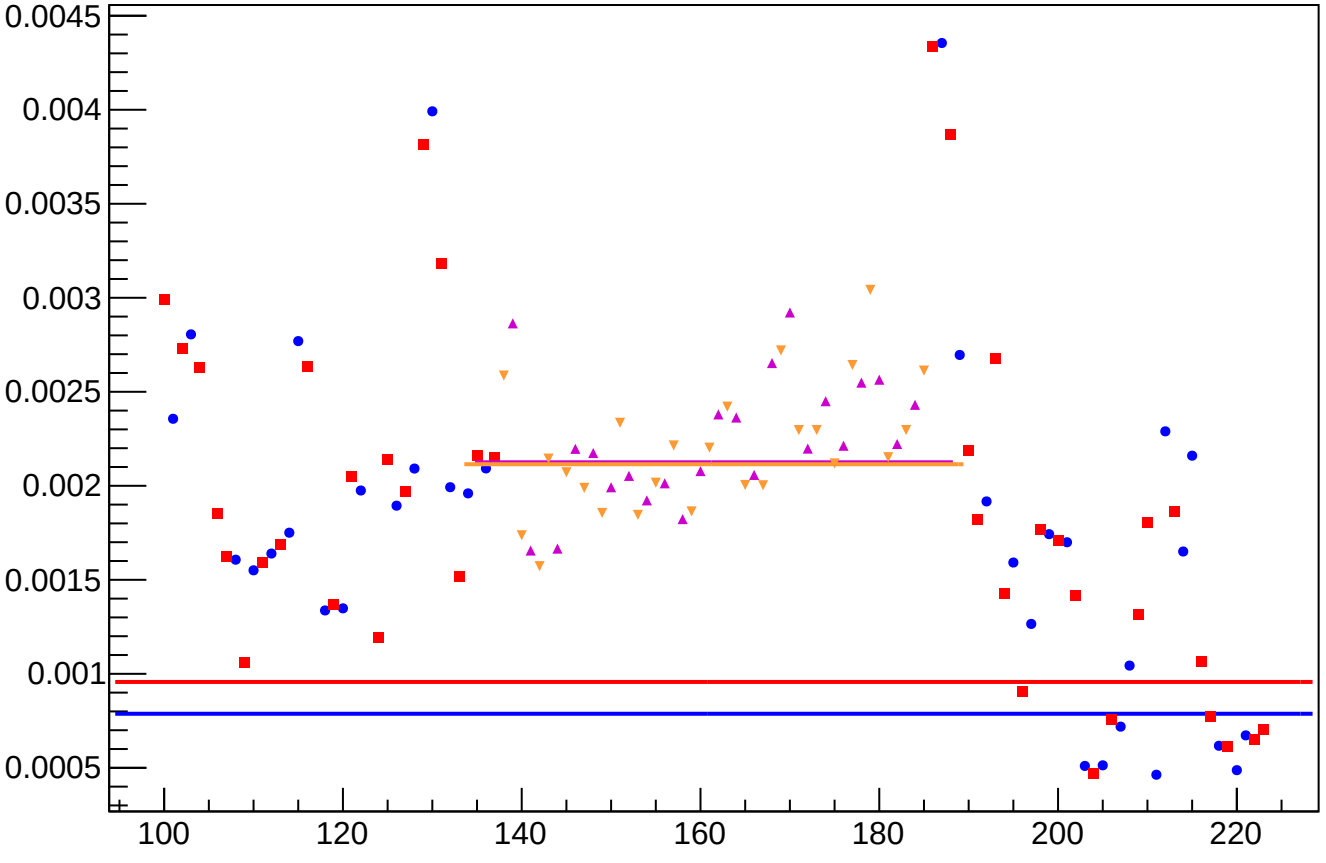
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.1/58

All: 0.000+/-0.000 χ^2/NDF: 173.0/120

- sign 0.000+/-0.000 χ^2/NDF: 88.8/61

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12661757.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

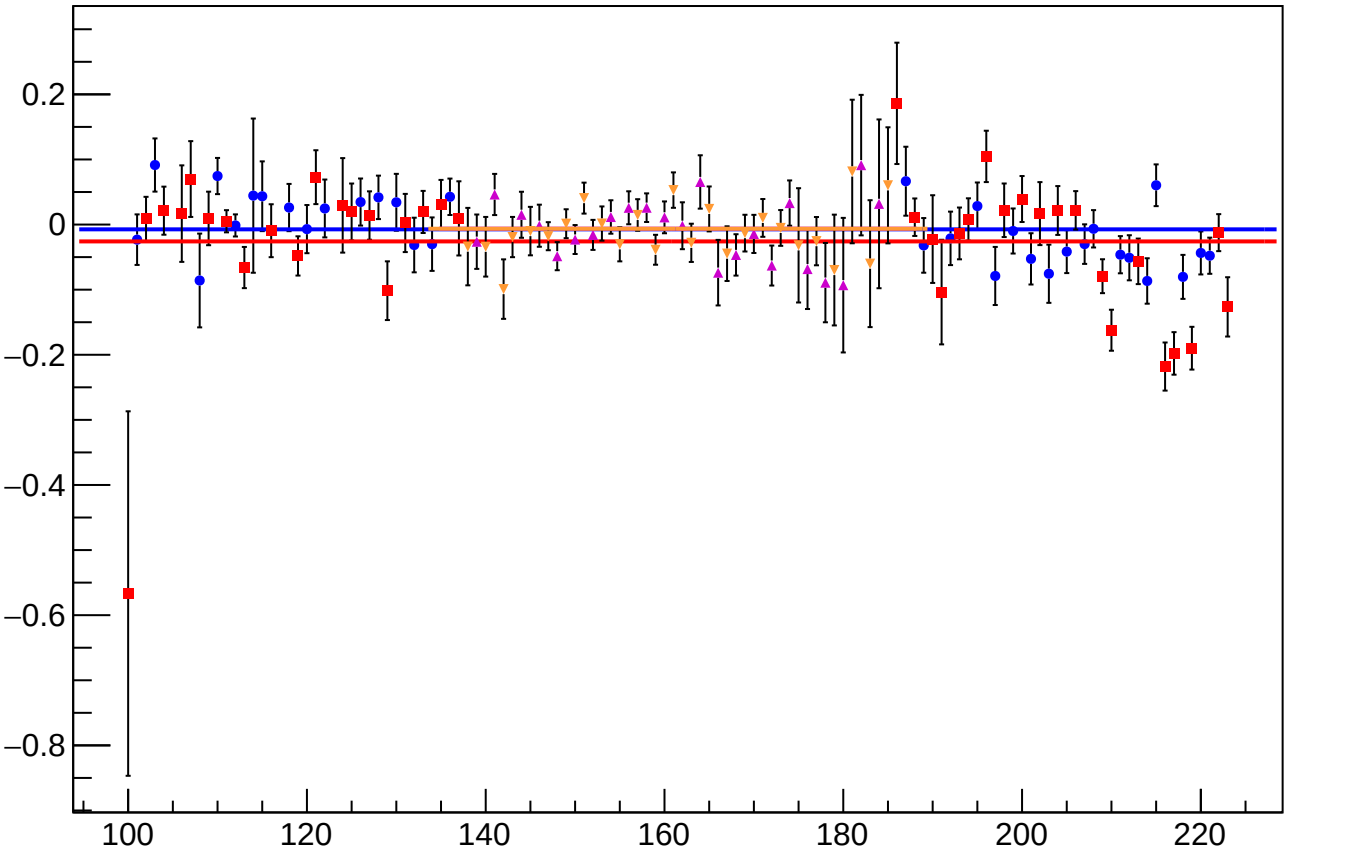
Right Out: 0.001+/-0.000 χ^2/NDF: 11206560.3/38

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 26048392.8/58

All: 0.001+/-0.000 χ^2/NDF: 47713098.6/120

- sign 0.001+/-0.000 χ^2/NDF: 20876377.0/61



Right In: -0.007+/-0.006 χ^2/NDF: 59.1/33

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.006 χ^2/NDF: 170.4/38

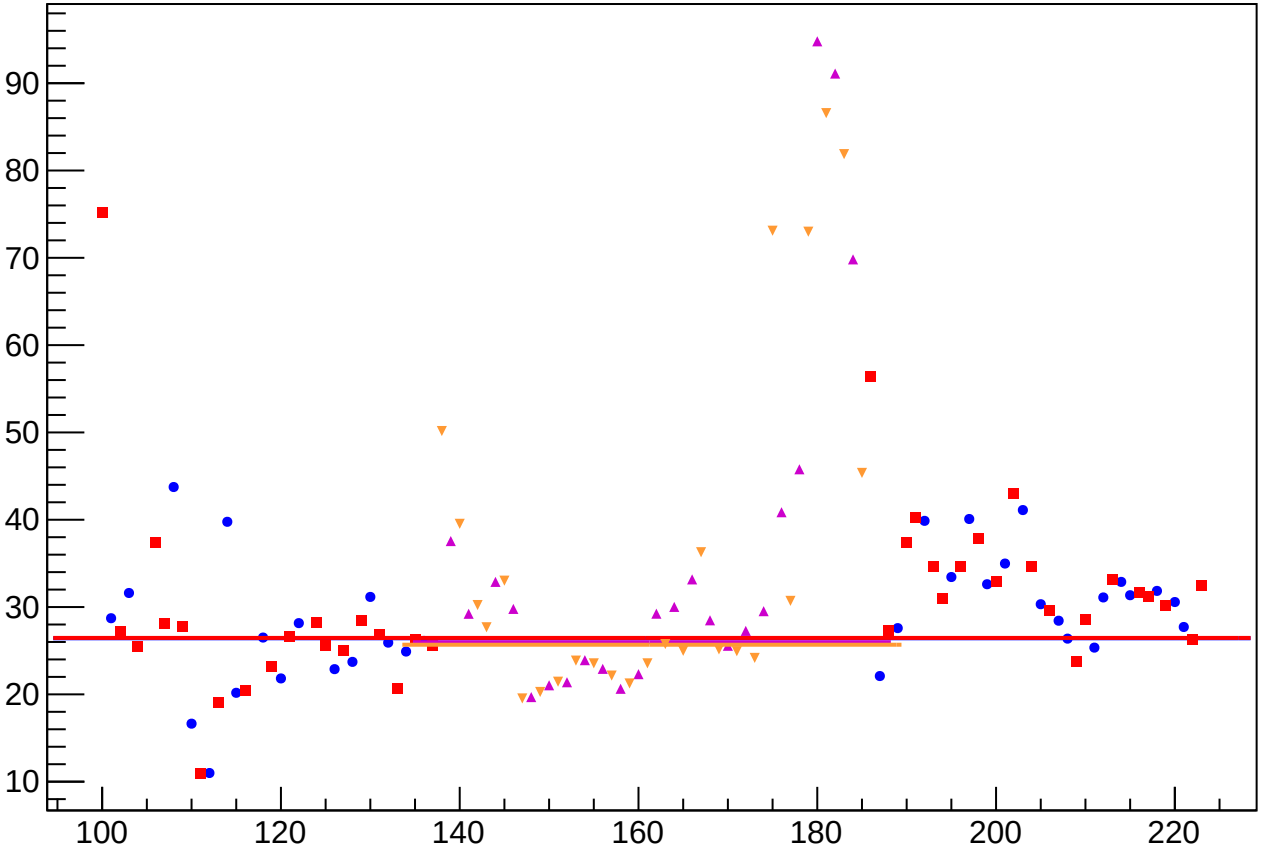
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.007+/-0.004 χ^2/NDF: 81.6/58

All: -0.012+/-0.003 χ^2/NDF: 288.1/120

- sign -0.017+/-0.004 χ^2/NDF: 203.7/61

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.422+/-0.004 χ^2/NDF: 3344253.9/33

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

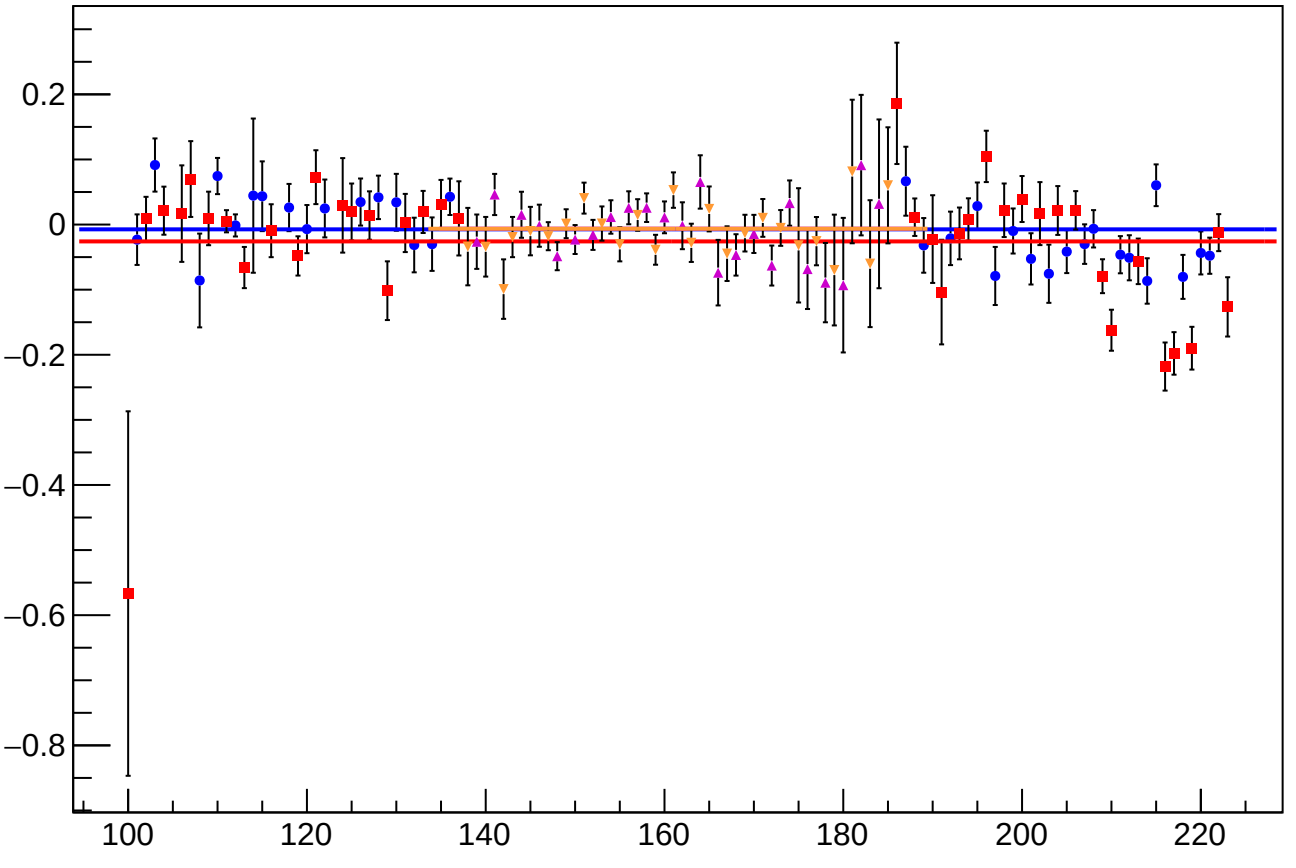
Right Out: 26.464+/-0.004 χ^2/NDF: 3370006.7/38

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 26.080+/-0.003 χ^2/NDF: 7230017.8/58

All: 26.163+/-0.002 χ^2/NDF: 13726009.6/120

- sign 26.248+/-0.003 χ^2/NDF: 6494515.1/61



Right In: -0.007+/-0.006 χ^2/NDF: 59.1/33

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

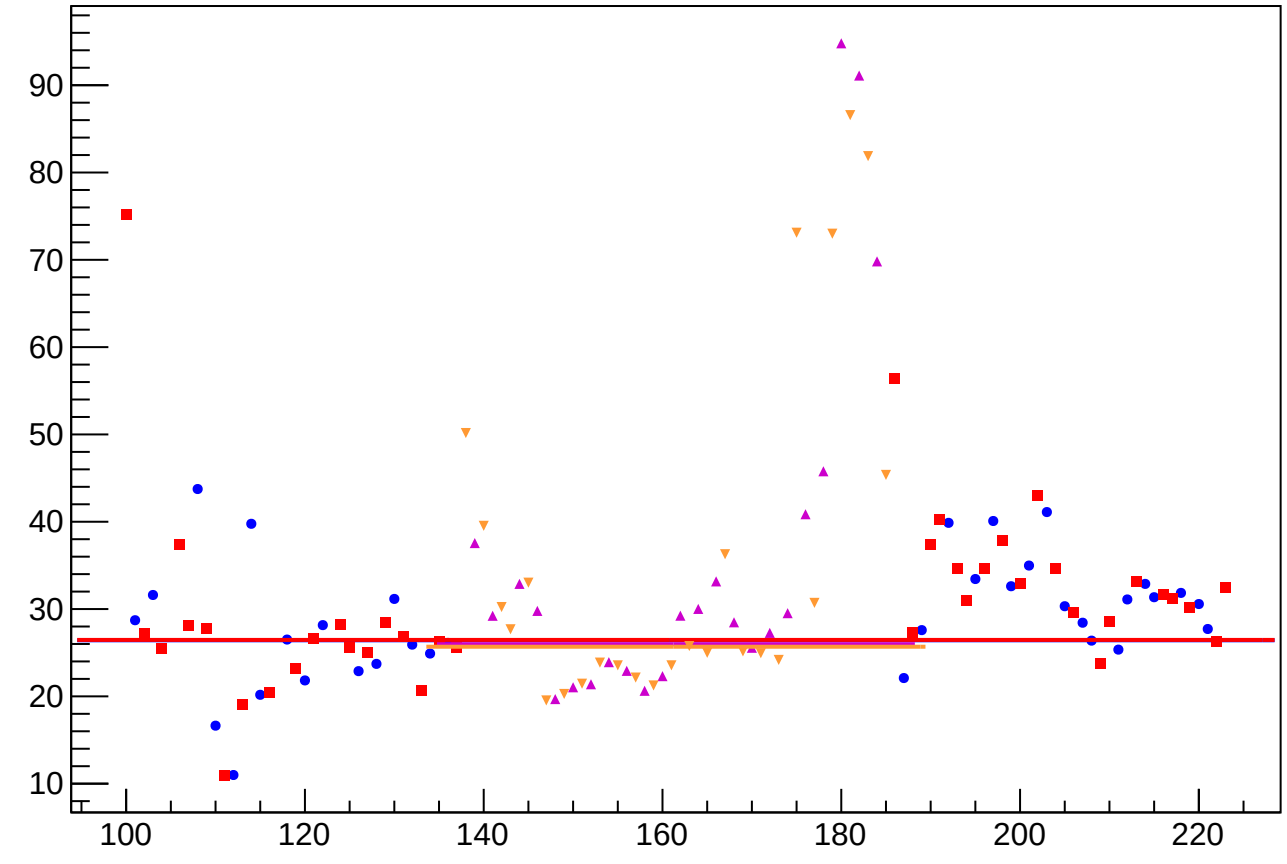
Right Out: -0.026+/-0.006 χ^2/NDF: 170.4/38

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.007+/-0.004 χ^2/NDF: 81.6/58

All: -0.012+/-0.003 χ^2/NDF: 288.1/120

- sign -0.017+/-0.004 χ^2/NDF: 203.7/61



Right In: 26.422+/-0.004 χ^2/NDF: 3344253.9/33

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

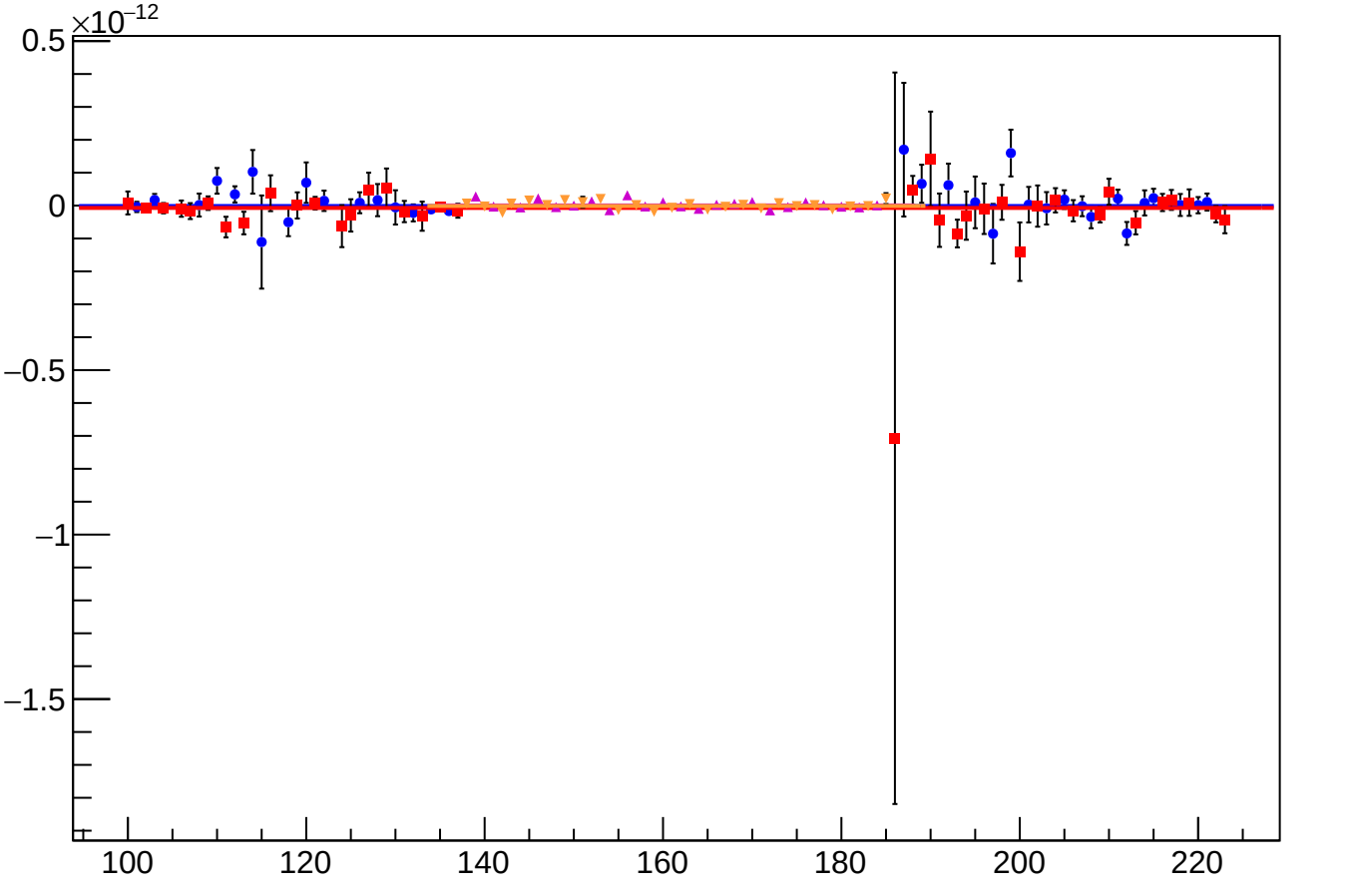
Right Out: 26.464+/-0.004 χ^2/NDF: 3370006.7/38

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 26.080+/-0.003 χ^2/NDF: 7230017.8/58

All: 26.163+/-0.002 χ^2/NDF: 13726009.6/120

- sign 26.248+/-0.003 χ^2/NDF: 6494515.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 35.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

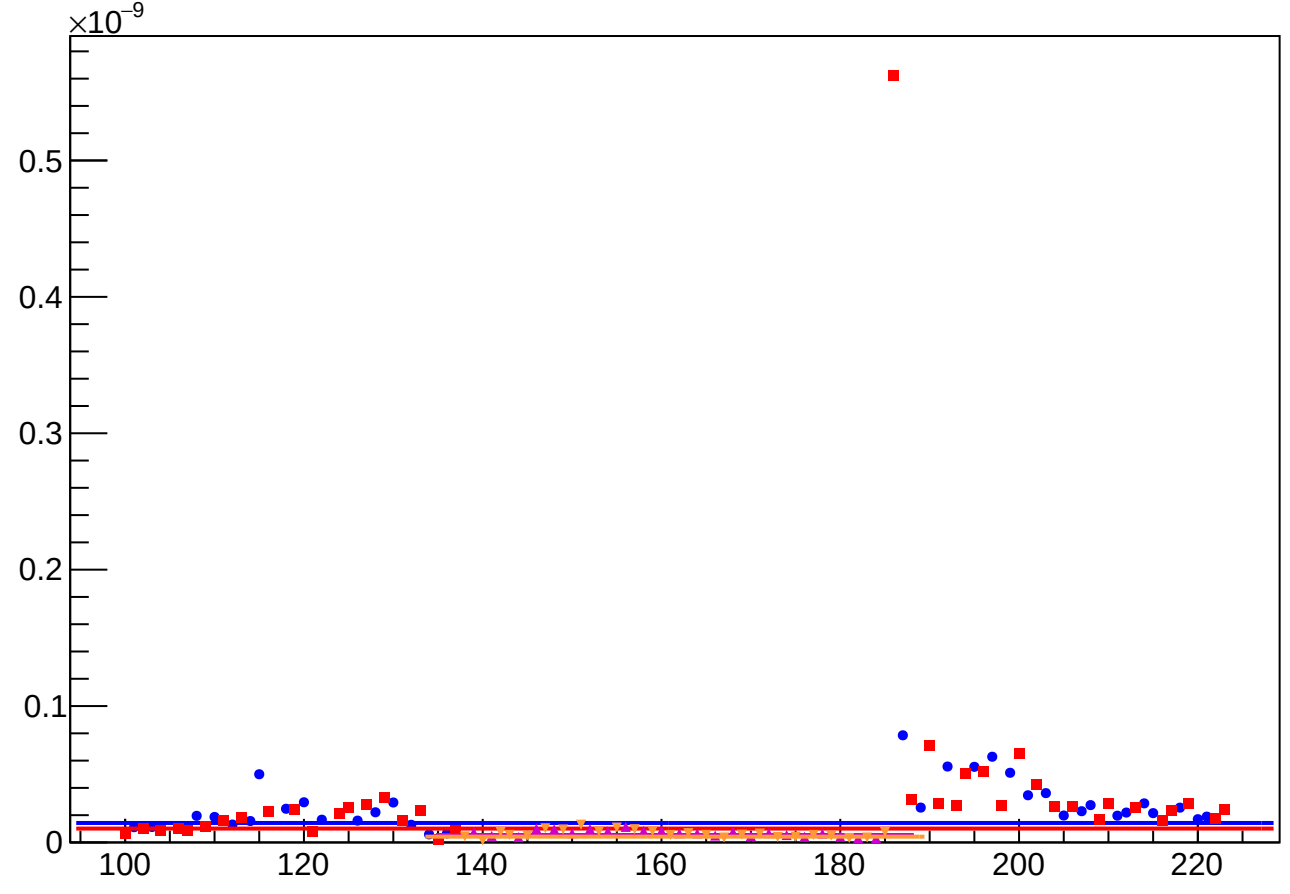
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/38

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.0/58

All: -0.000+/-0.000 χ^2/NDF: 124.1/120

- sign -0.000+/-0.000 χ^2/NDF: 60.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 7829143.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12815062.8/38

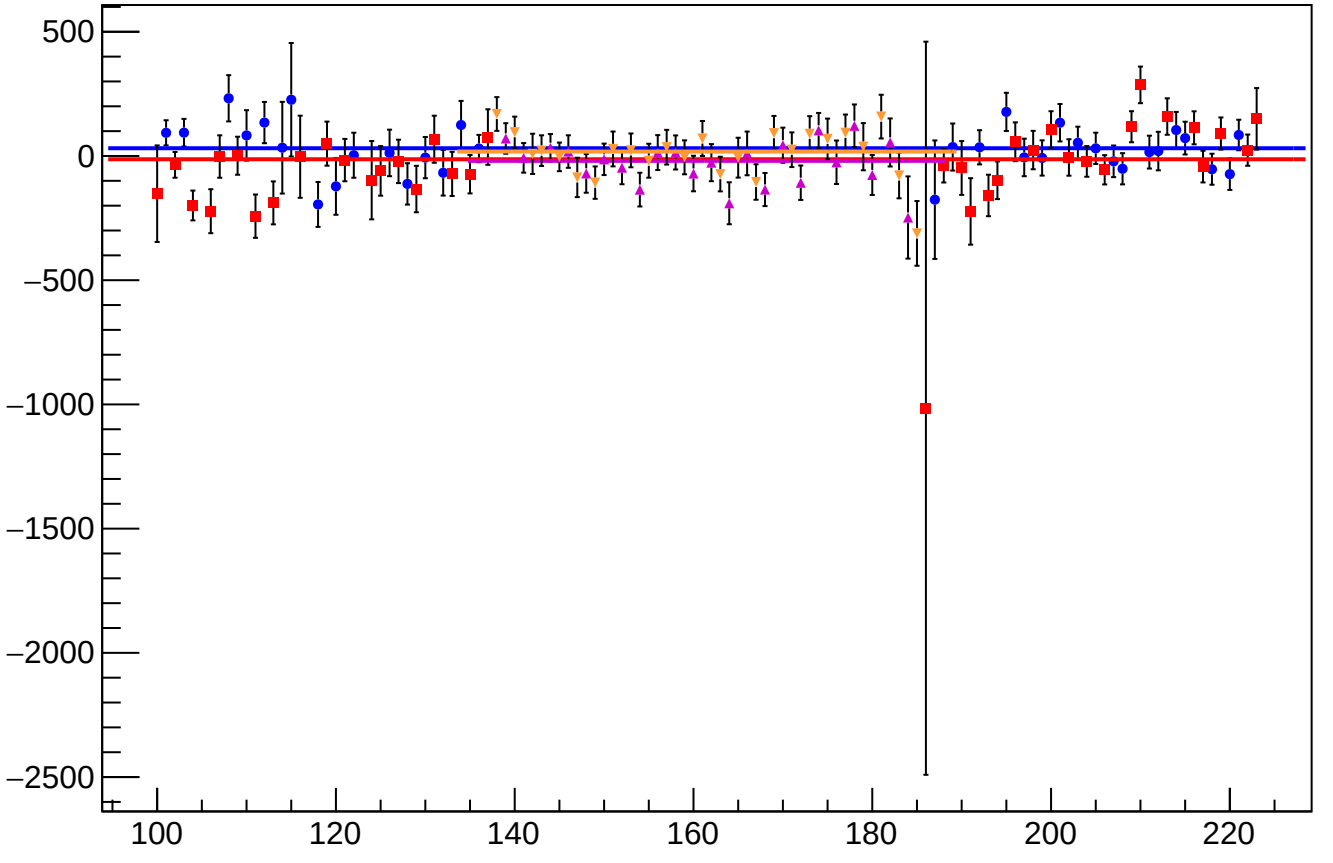
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 21761071.8/58

All: 0.000+/-0.000 χ^2/NDF: 40467307.4/120

- sign 0.000+/-0.000 χ^2/NDF: 18111447.2/61

reg_asym_sam_15_avg_mean vs Slug



Right In: 31.164+/-12.877 χ^2/NDF: 39.5/33

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -13.142+/-12.764 χ^2/NDF: 78.6/38

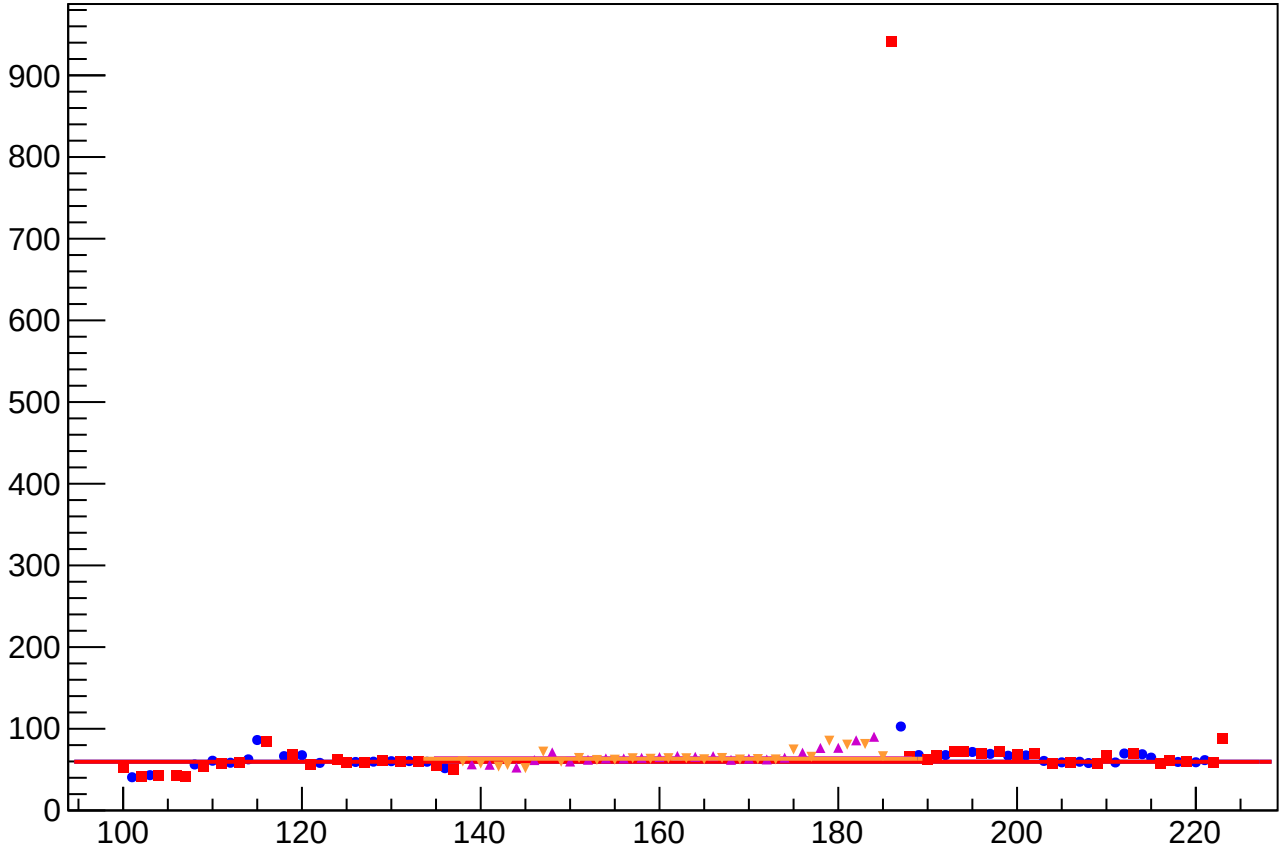
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.269+/-9.627 χ^2/NDF: 71.5/58

All: 4.926+/-6.844 χ^2/NDF: 185.5/120

- sign -15.863+/-9.732 χ^2/NDF: 105.0/61

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.722+/-0.009 χ^2/NDF: 864690.0/33

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.600+/-0.009 χ^2/NDF: 1830940.0/38

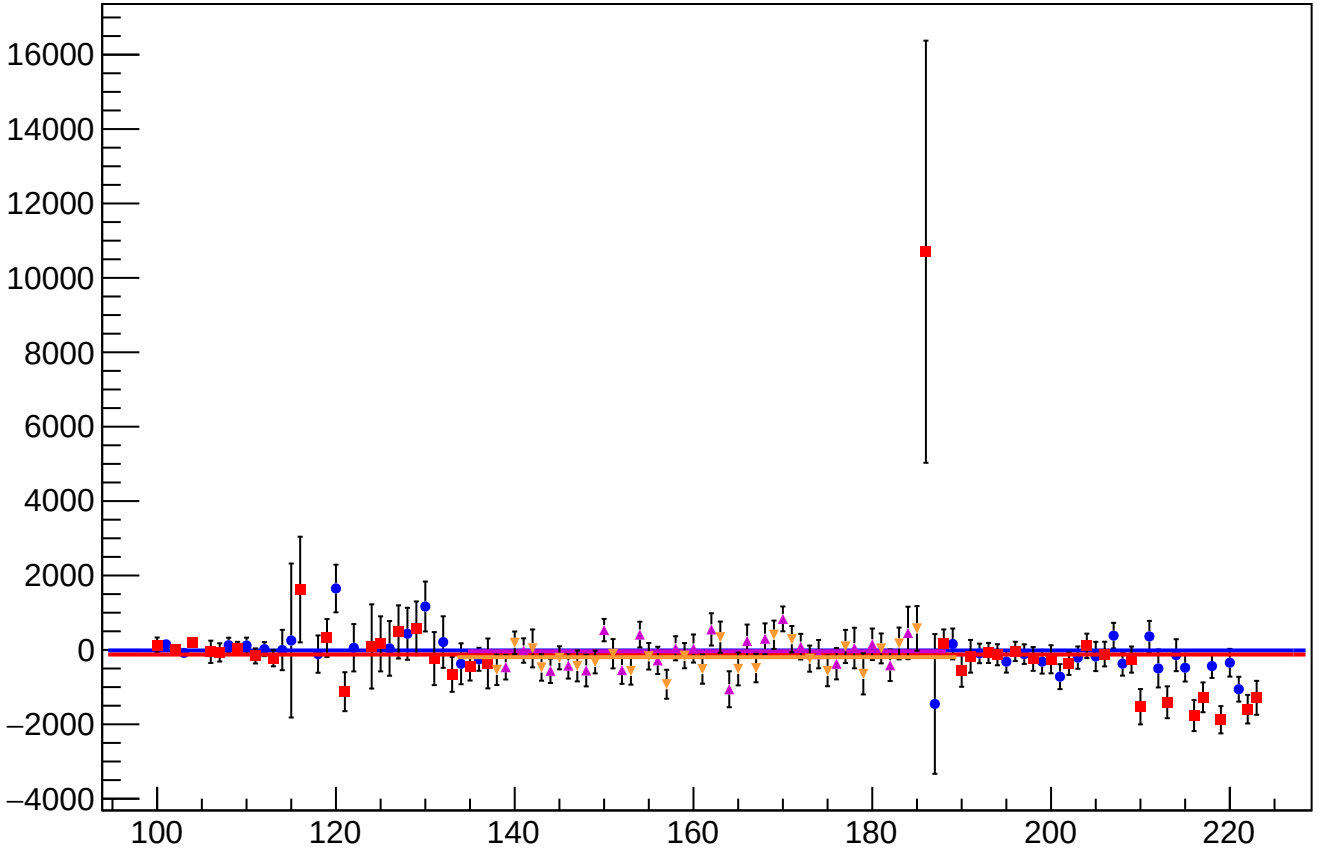
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.306+/-0.007 χ^2/NDF: 1430697.6/58

All: 61.356+/-0.005 χ^2/NDF: 3802904.6/120

- sign 61.408+/-0.007 χ^2/NDF: 2372095.8/61

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: -15.238+/-40.417 χ^2/NDF: 44.8/33

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -124.628+/-42.654 χ^2/NDF: 119.8/38

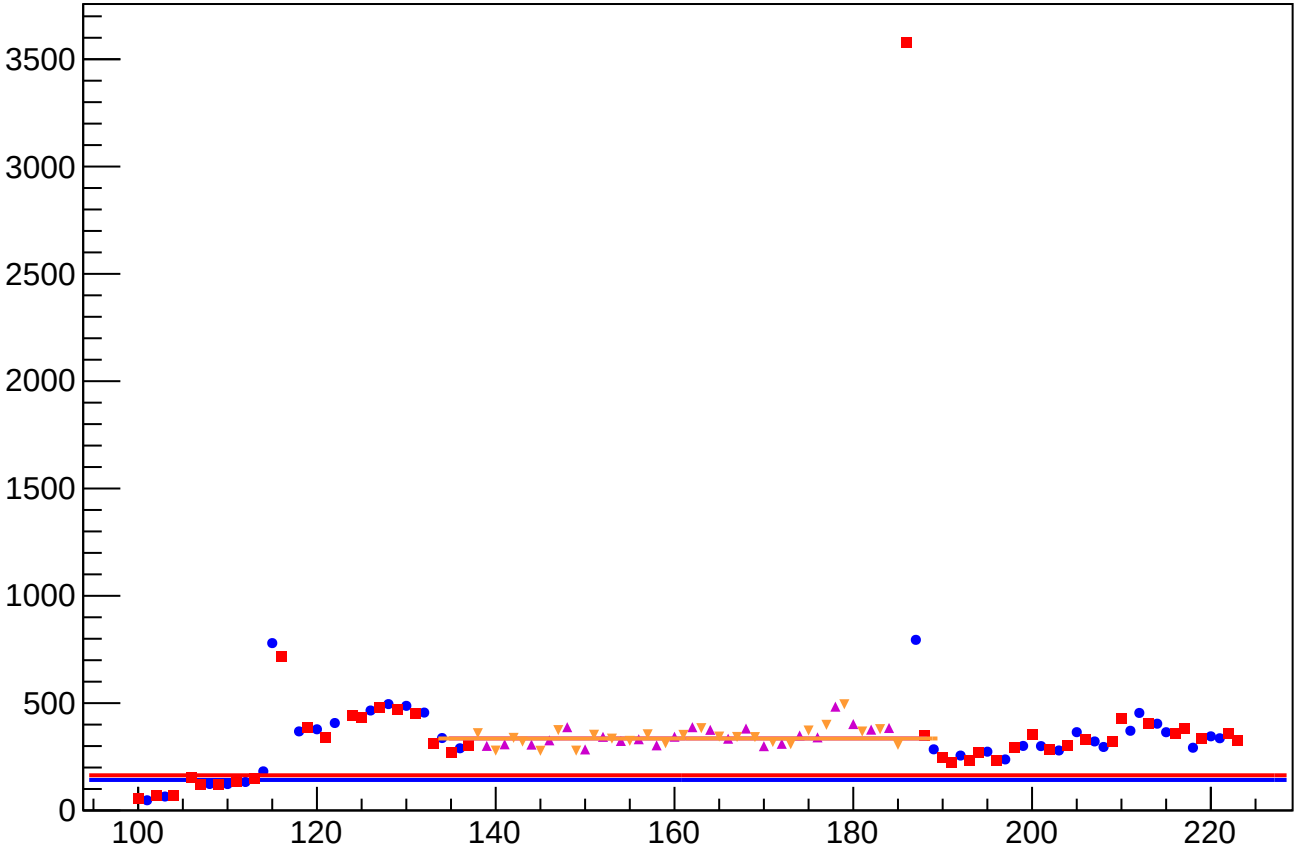
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -54.202+/-35.796 χ^2/NDF: 69.7/58

All: -78.287+/-25.911 χ^2/NDF: 222.6/120

- sign -104.799+/-37.555 χ^2/NDF: 151.9/61

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 142.064+/-0.029 χ^2/NDF: 18331428.4/33

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 163.796+/-0.030 χ^2/NDF: 15597691.2/38

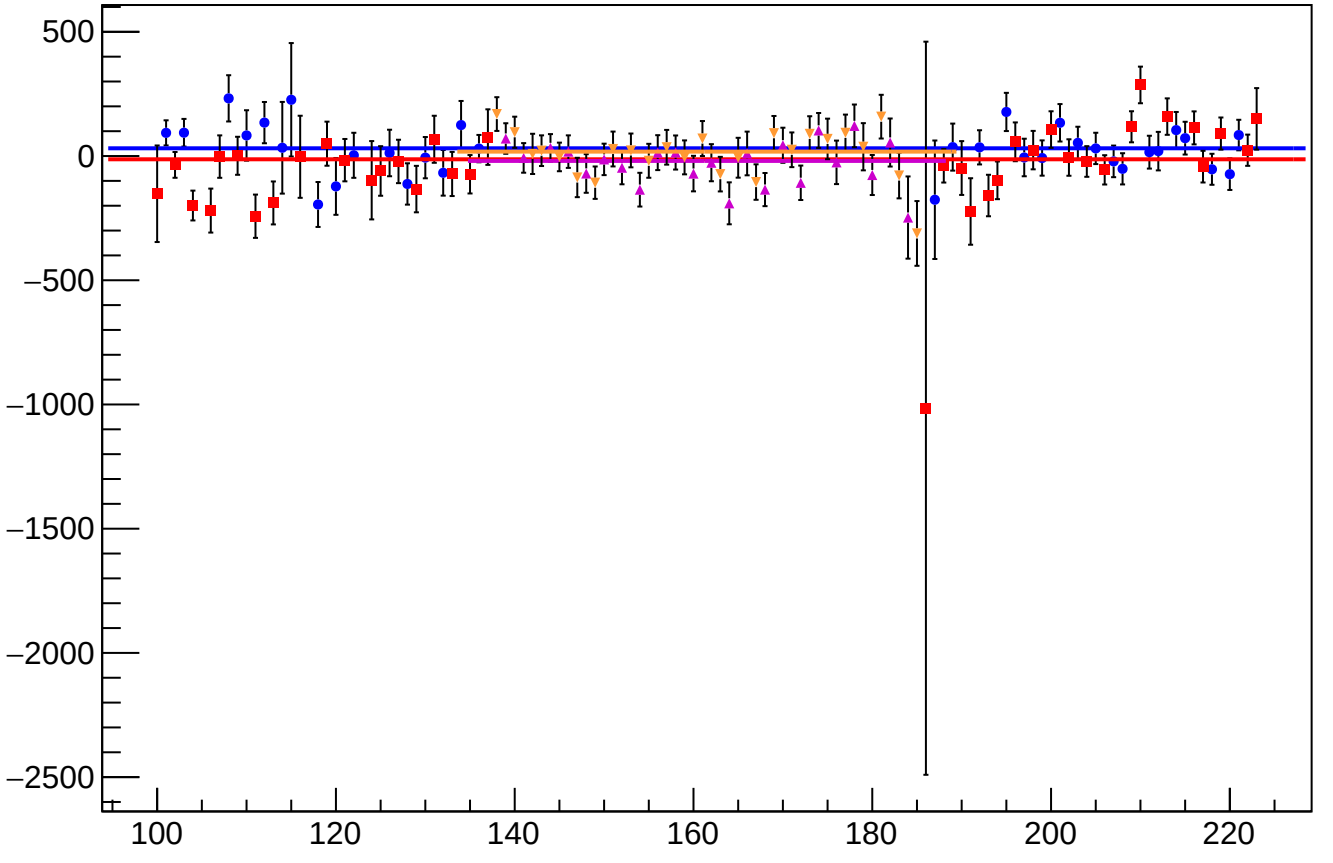
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 183.722+/-0.025 χ^2/NDF: 28749640.7/58

All: 192.613+/-0.018 χ^2/NDF: 52389261.6/12

- sign 202.400+/-0.027 χ^2/NDF: 23380422.5/61

cor_asym_sam_15_avg_mean vs Slug



Right In: 31.169+/-12.877 χ^2/NDF: 39.5/33

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -13.084+/-12.764 χ^2/NDF: 78.5/38

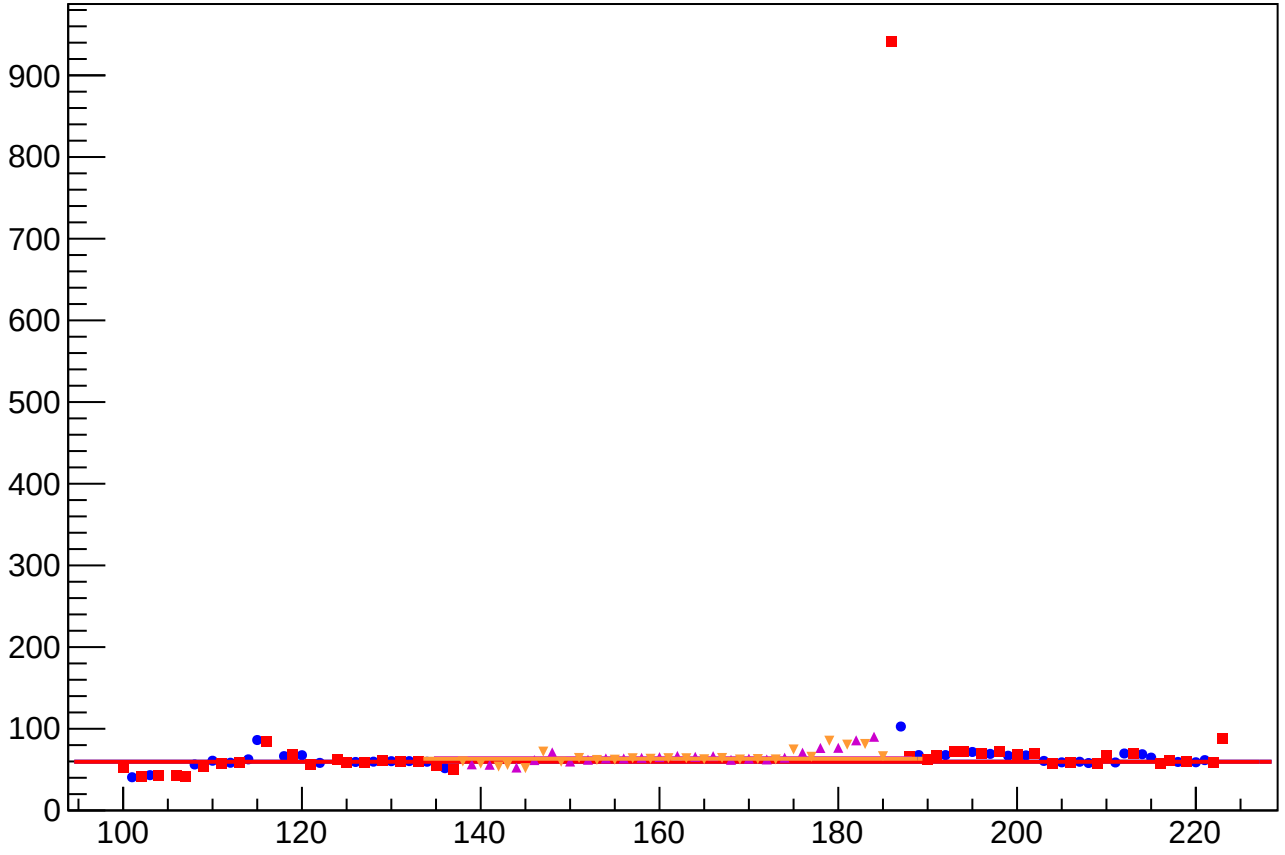
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.273+/-9.627 χ^2/NDF: 71.5/58

All: 4.945+/-6.844 χ^2/NDF: 185.4/120

- sign -15.829+/-9.732 χ^2/NDF: 104.8/61

cor_asym_sam_15_avg_rms vs Slug



Right In: 59.722+/-0.009 χ^2/NDF: 864688.9/33

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.599+/-0.009 χ^2/NDF: 1831368.8/38

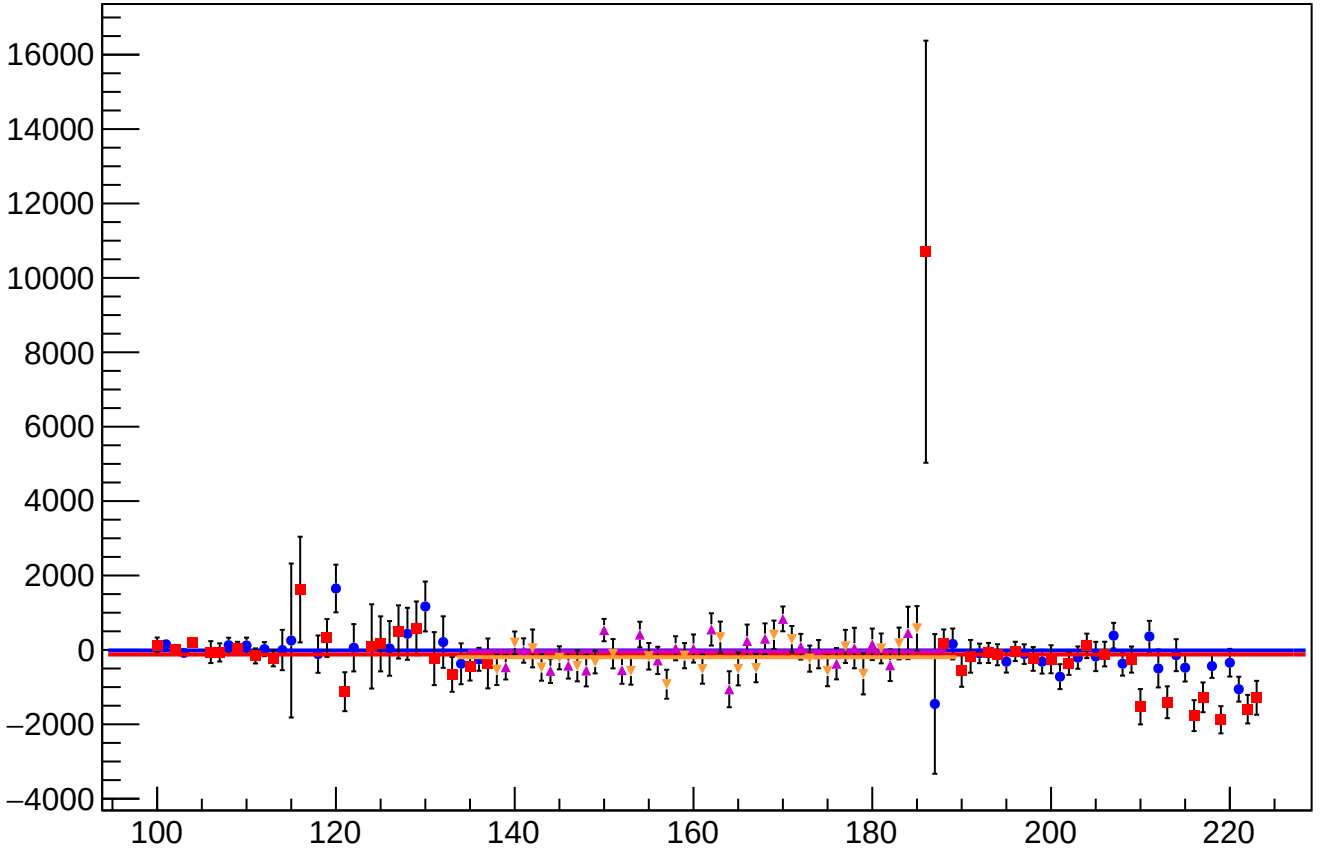
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.306+/-0.007 χ^2/NDF: 1430696.5/58

All: 61.356+/-0.005 χ^2/NDF: 3803353.4/120

\- sign 61.408+/-0.007 χ^2/NDF: 2372546.3/61

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: -15.232+/-40.416 χ^2/NDF: 44.8/33

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -124.761+/-42.628 χ^2/NDF: 119.8/38

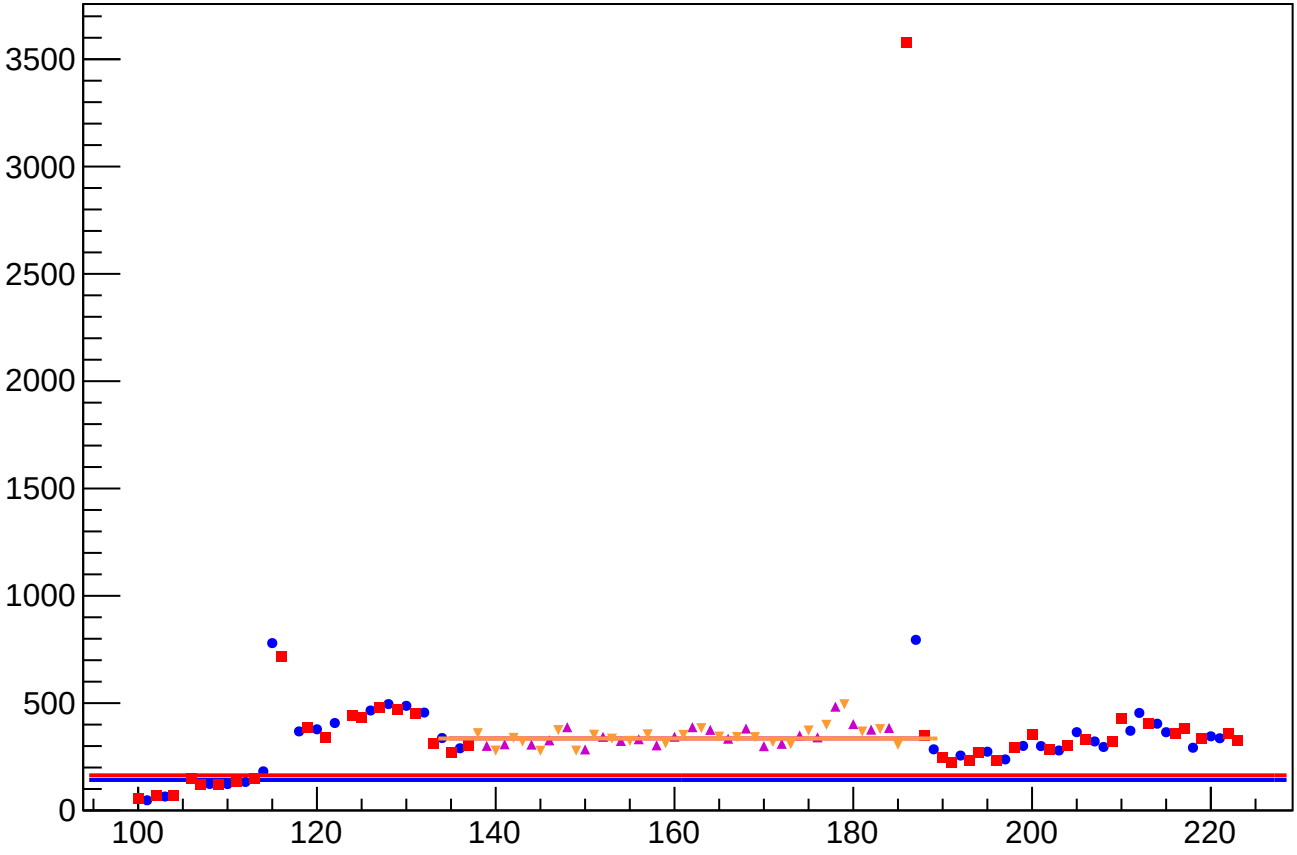
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -54.195+/-35.795 χ^2/NDF: 69.7/58

All: -78.353+/-25.905 χ^2/NDF: 222.5/120

- sign -104.920+/-37.538 χ^2/NDF: 151.8/61

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 142.060+/-0.029 χ^2/NDF: 18331883.2/33

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 163.599+/-0.030 χ^2/NDF: 15609496.6/38

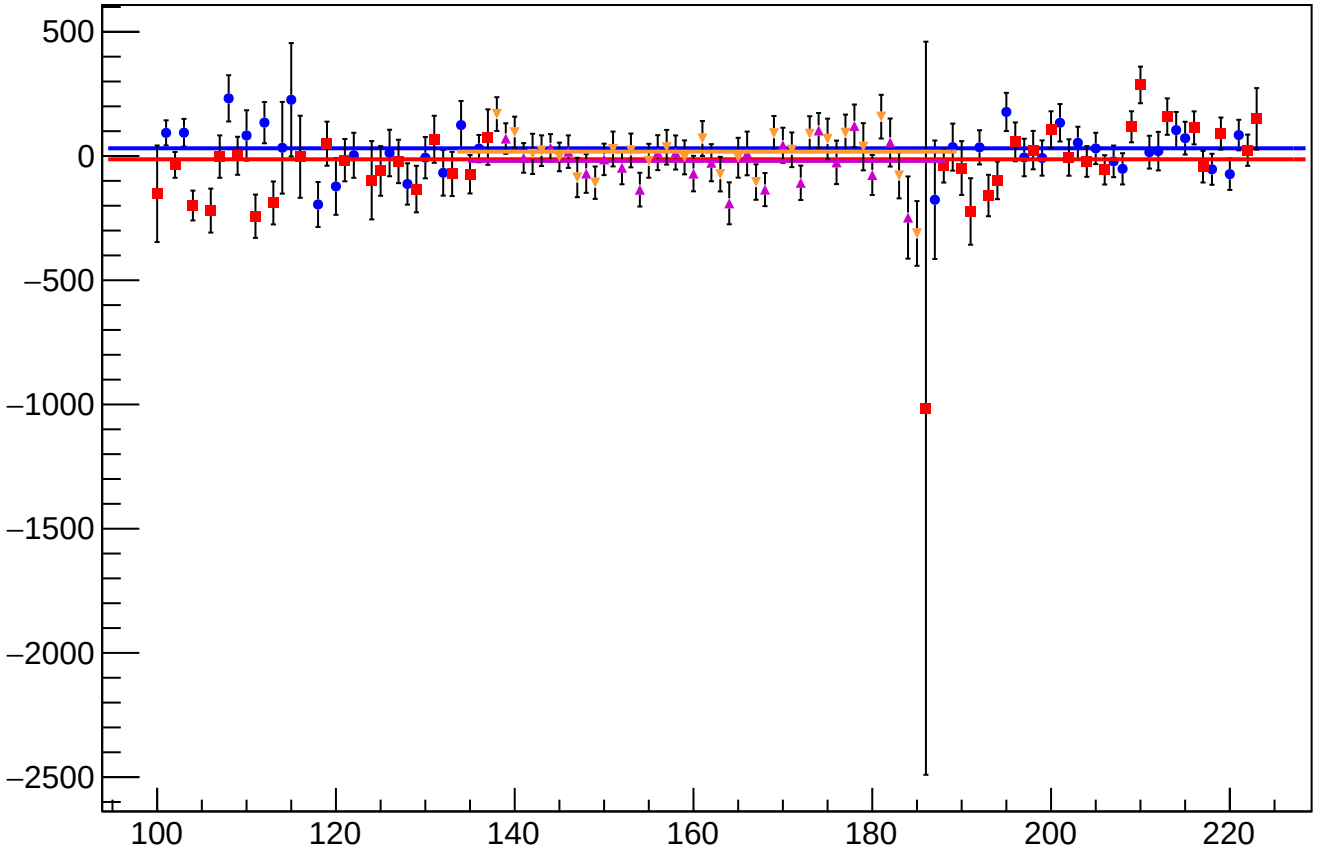
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 183.718+/-0.025 χ^2/NDF: 28750547.3/58

All: 192.525+/-0.018 χ^2/NDF: 52415676.6/12

- sign 202.211+/-0.027 χ^2/NDF: 23410908.8/61

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 31.169+/-12.877 χ^2/NDF: 39.5/33

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -13.084+/-12.764 χ^2/NDF: 78.5/38

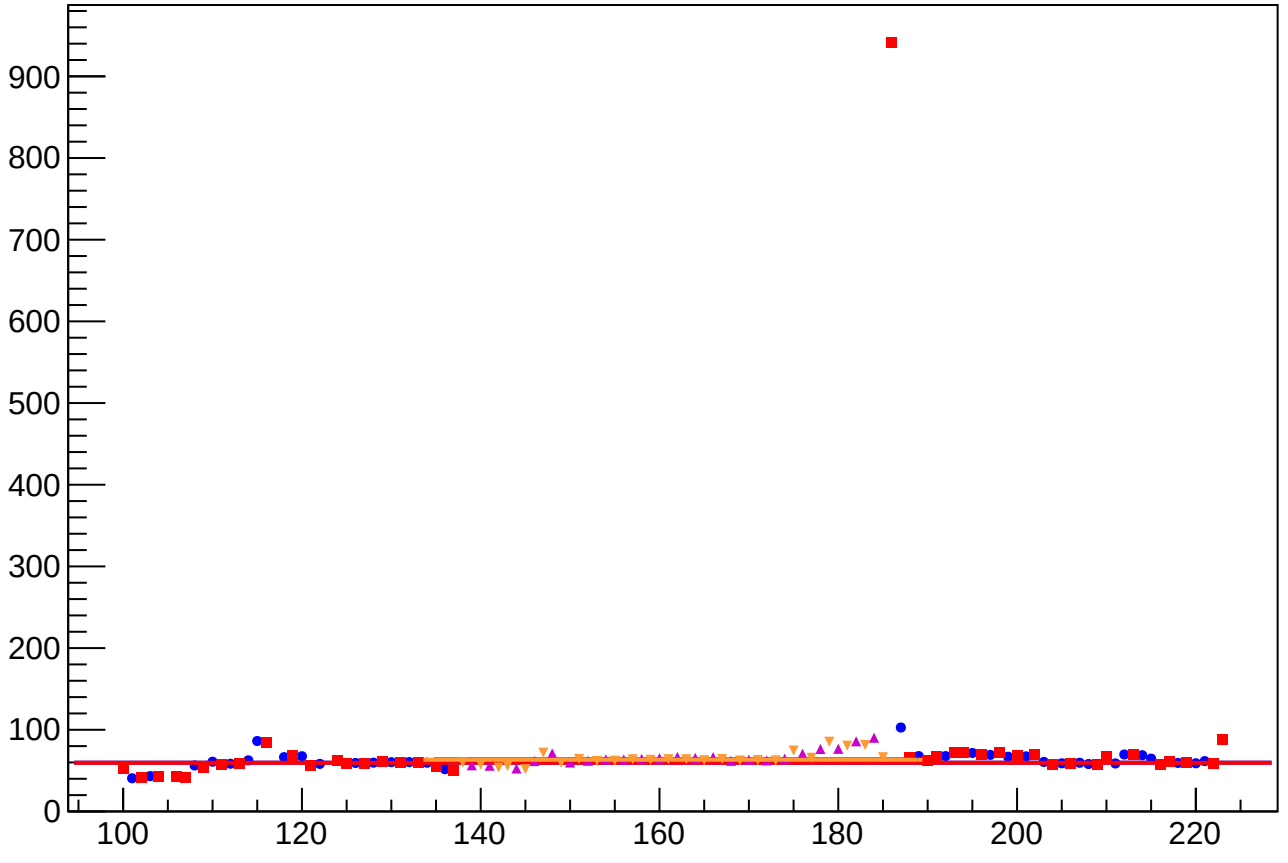
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.273+/-9.627 χ^2/NDF: 71.5/58

All: 4.945+/-6.844 χ^2/NDF: 185.4/120

- sign -15.829+/-9.732 χ^2/NDF: 104.8/61

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 59.722+/-0.009 χ^2/NDF: 864688.9/33

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

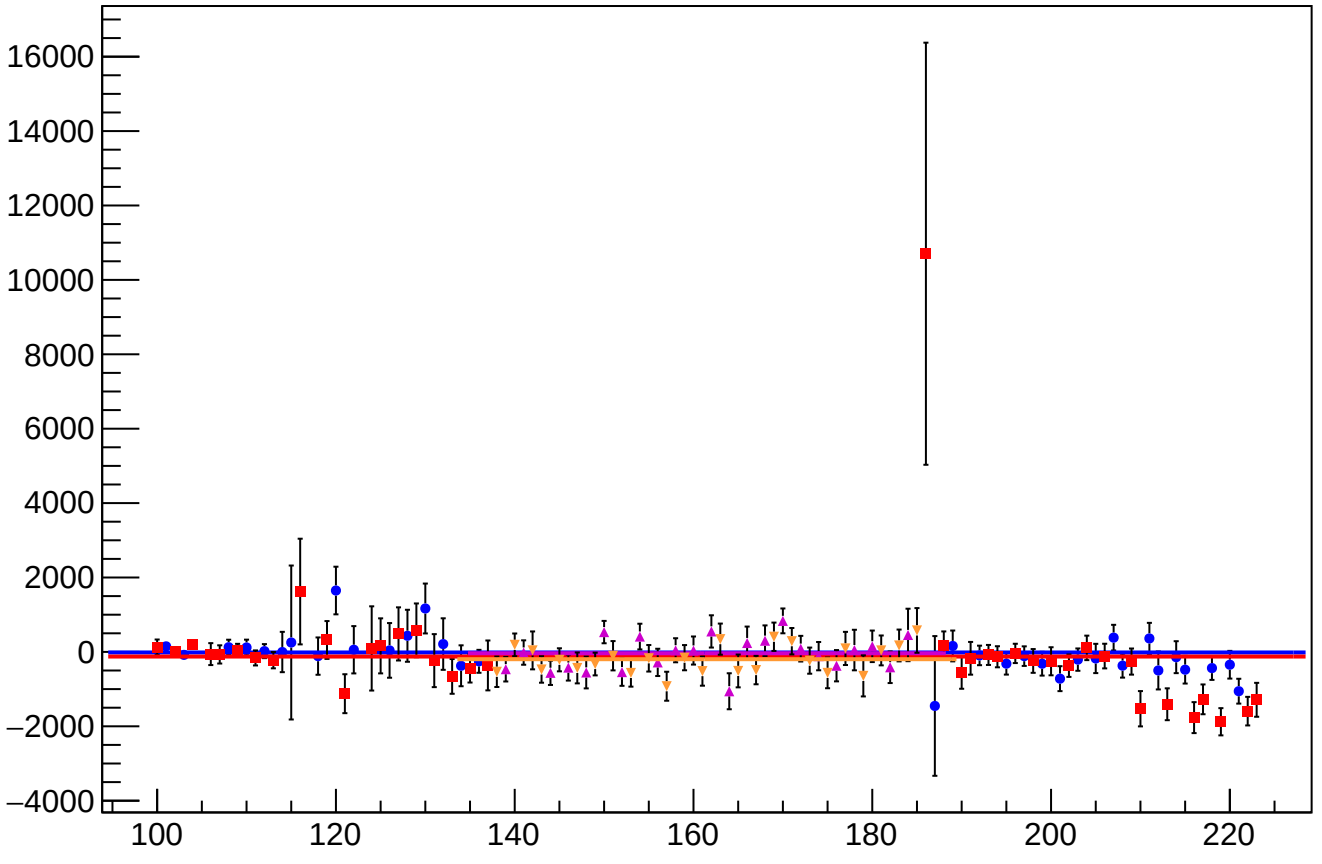
Right Out: 59.599+/-0.009 χ^2/NDF: 1831368.8/38

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.306+/-0.007 χ^2/NDF: 1430696.5/58

All: 61.356+/-0.005 χ^2/NDF: 3803353.4/120

- sign 61.408+/-0.007 χ^2/NDF: 2372546.3/61



Right In: -15.232+/-40.416 χ^2/NDF: 44.8/33

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -124.761+/-42.628 χ^2/NDF: 119.8/38

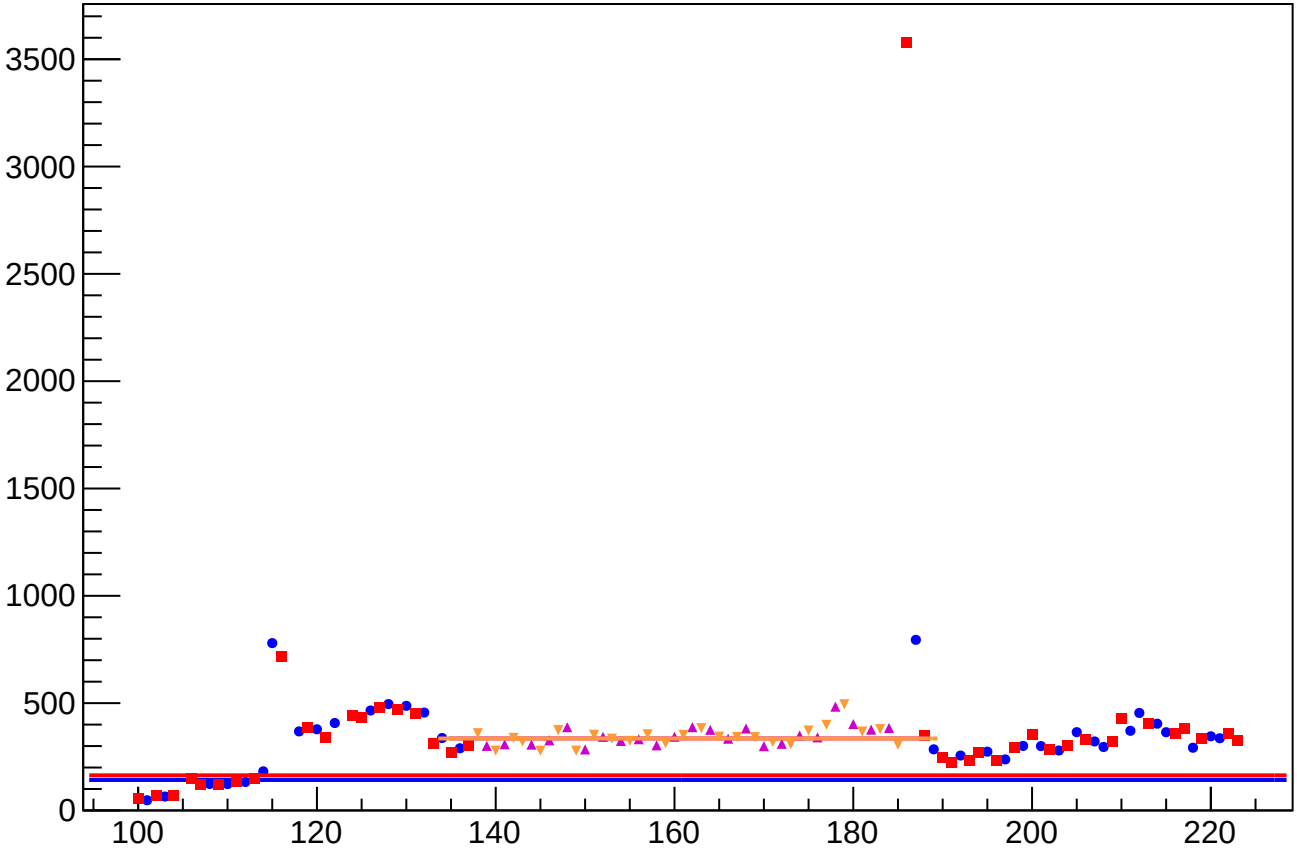
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -54.195+/-35.795 χ^2/NDF: 69.7/58

All: -78.353+/-25.905 χ^2/NDF: 222.5/120

- sign -104.920+/-37.538 χ^2/NDF: 151.8/61

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 142.060+/-0.029 χ^2/NDF: 18331883.2/33

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

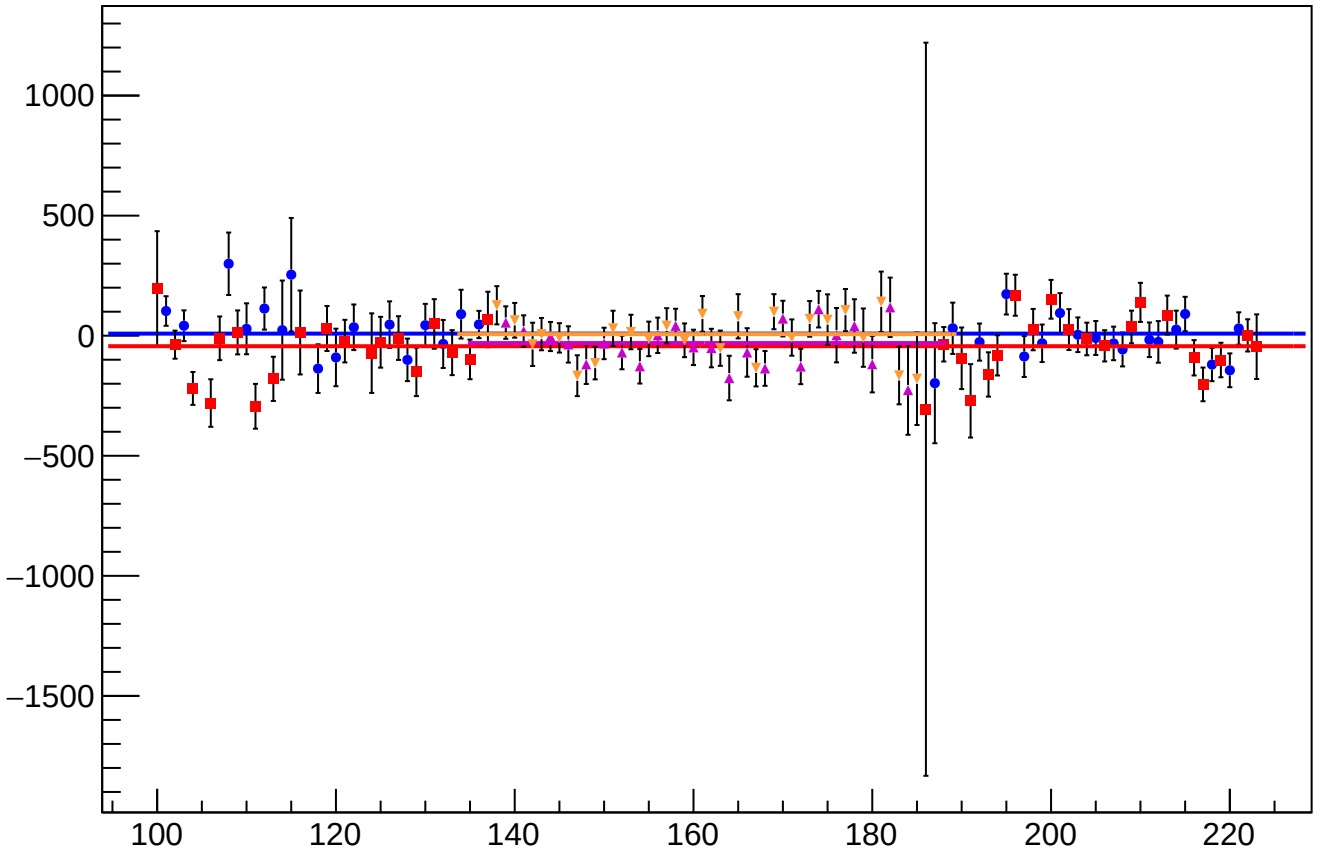
Right Out: 163.599+/-0.030 χ^2/NDF: 15609496.6/38

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 183.718+/-0.025 χ^2/NDF: 28750547.3/58

All: 192.525+/-0.018 χ^2/NDF: 52415676.6/12

- sign 202.211+/-0.027 χ^2/NDF: 23410908.8/61



Right In: 8.689+/-14.227 χ^2/NDF: 34.6/33

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -43.731+/-14.001 χ^2/NDF: 61.0/38

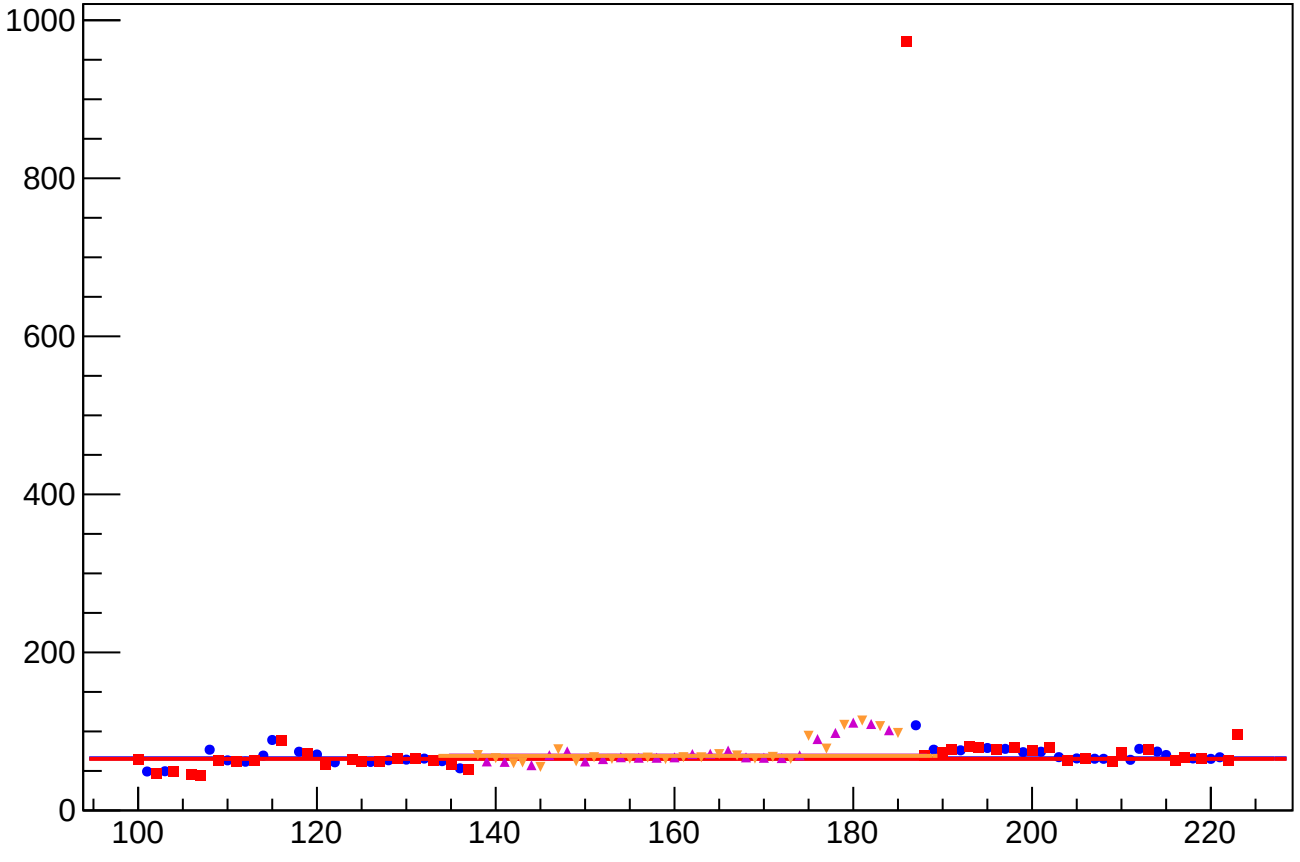
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 7.707+/-10.625 χ^2/NDF: 59.6/58

All: -15.167+/-7.531 χ^2/NDF: 152.7/120

- sign -38.261+/-10.676 χ^2/NDF: 83.8/61

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.995+/-0.010 χ^2/NDF: 758641.8/33

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 65.282+/-0.010 χ^2/NDF: 1823190.7/38

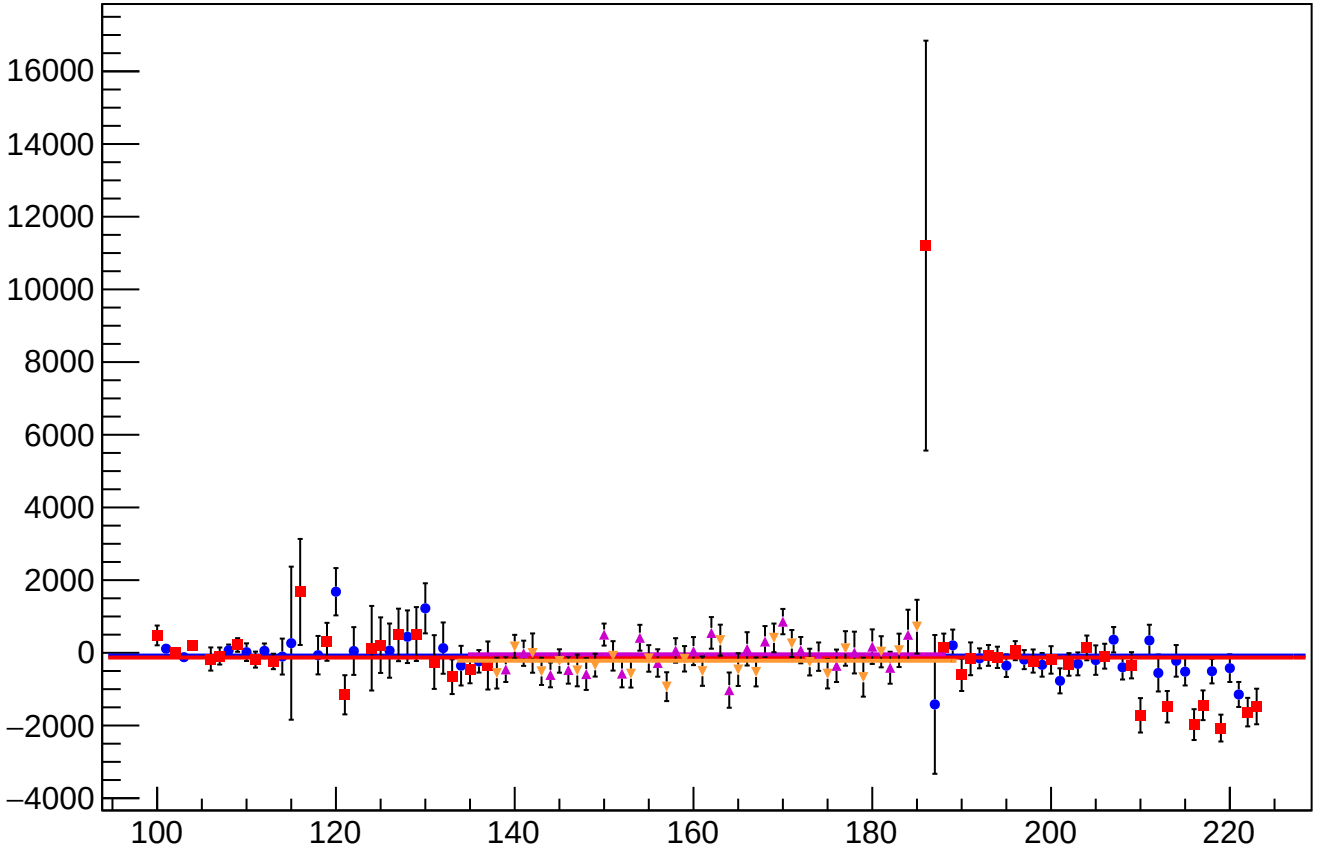
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

\+ sign 67.359+/-0.008 χ^2/NDF: 1874183.2/58

All: 67.190+/-0.005 χ^2/NDF: 4696694.9/120

\- sign 67.020+/-0.008 χ^2/NDF: 2821502.5/61

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -75.744+/-45.238 χ^2/NDF: 43.0/33

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -129.600+/-44.719 χ^2/NDF: 140.0/38

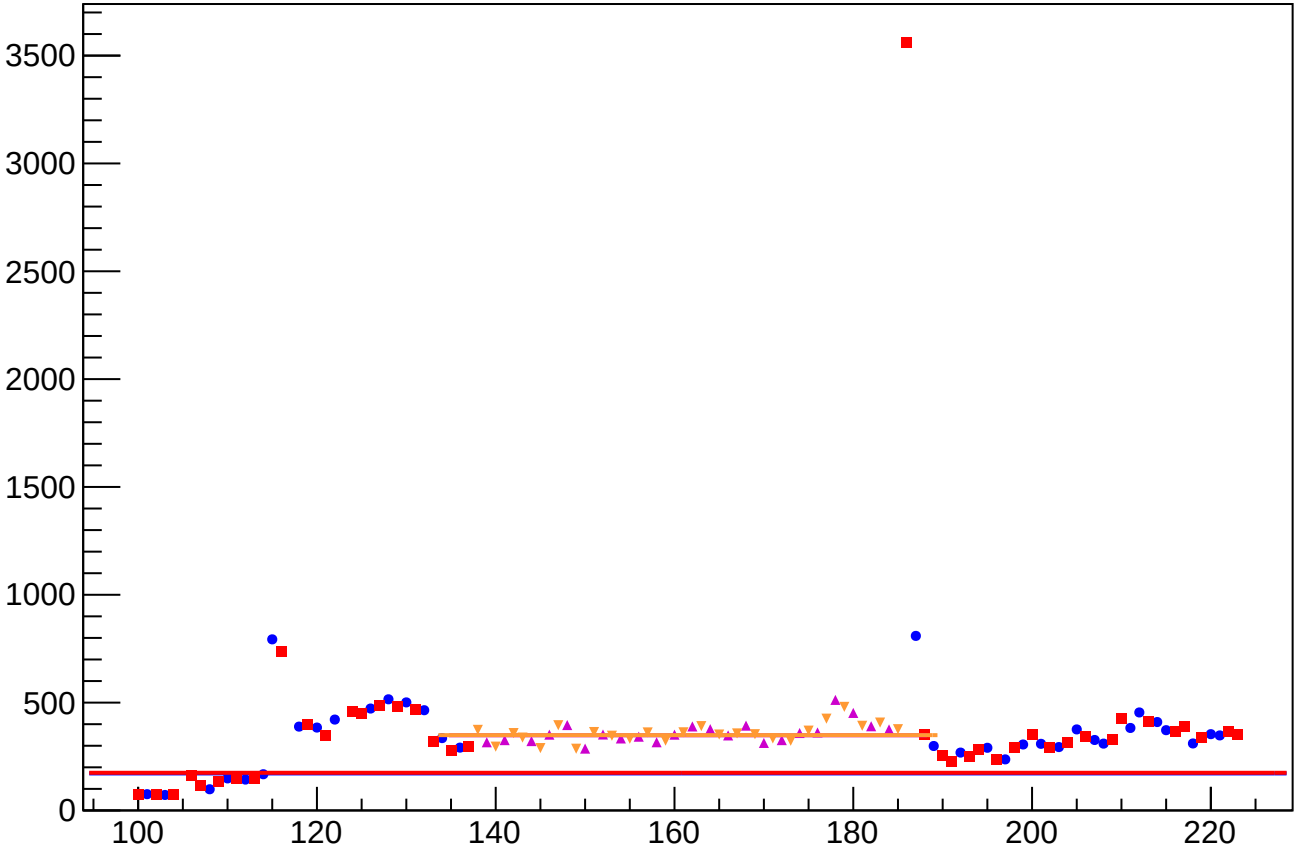
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -109.967+/-39.394 χ^2/NDF: 64.7/58

All: -109.735+/-27.818 χ^2/NDF: 235.5/120

- sign -109.504+/-39.288 χ^2/NDF: 170.8/61

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 171.640+/-0.032 χ^2/NDF: 14852471.8/33

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 174.682+/-0.032 χ^2/NDF: 14740240.5/38

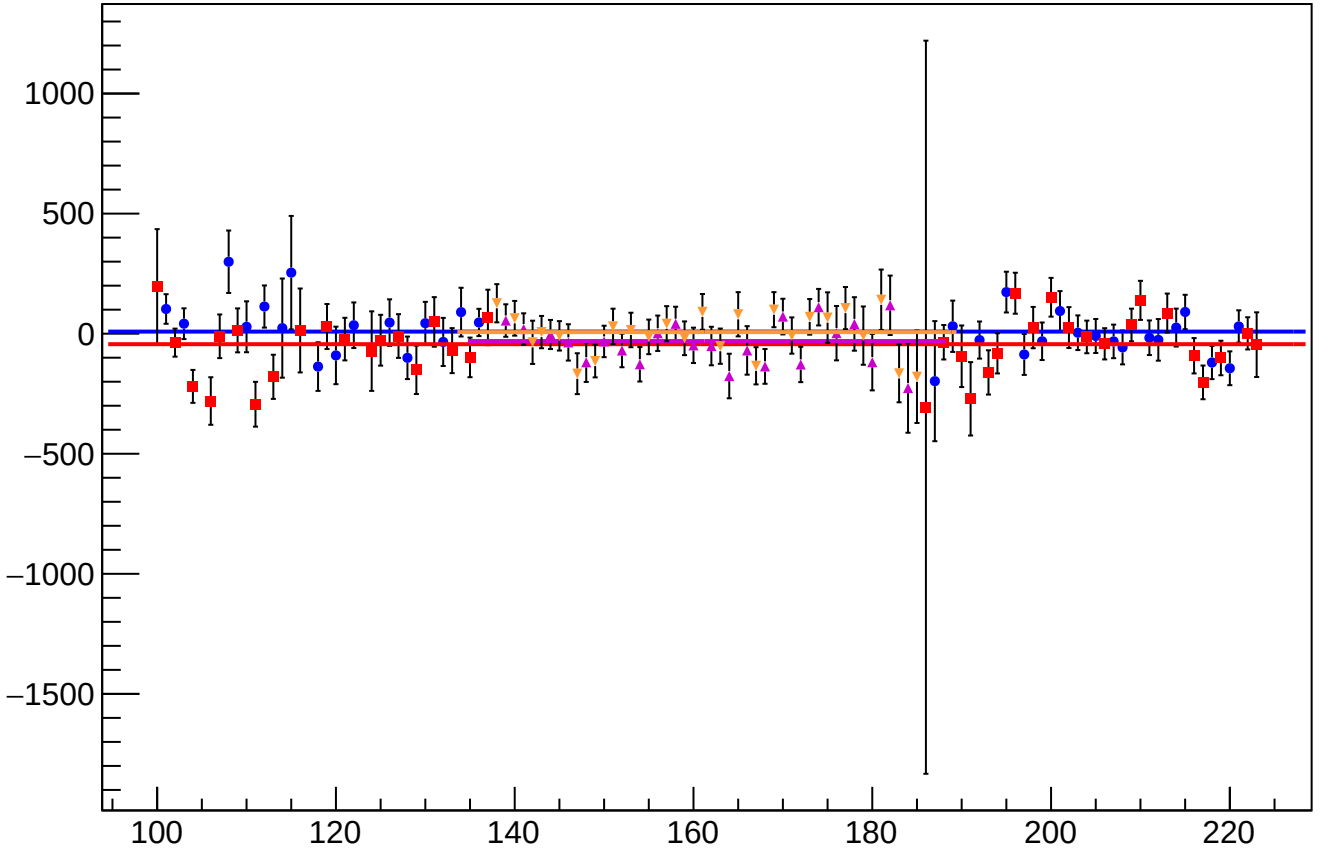
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 214.548+/-0.028 χ^2/NDF: 22820967.8/58

All: 214.448+/-0.020 χ^2/NDF: 44985011.8/12

- sign 214.349+/-0.028 χ^2/NDF: 22164018.5/61

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 8.689+/-14.227 χ^2/NDF: 34.6/33

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -43.730+/-14.001 χ^2/NDF: 61.0/38

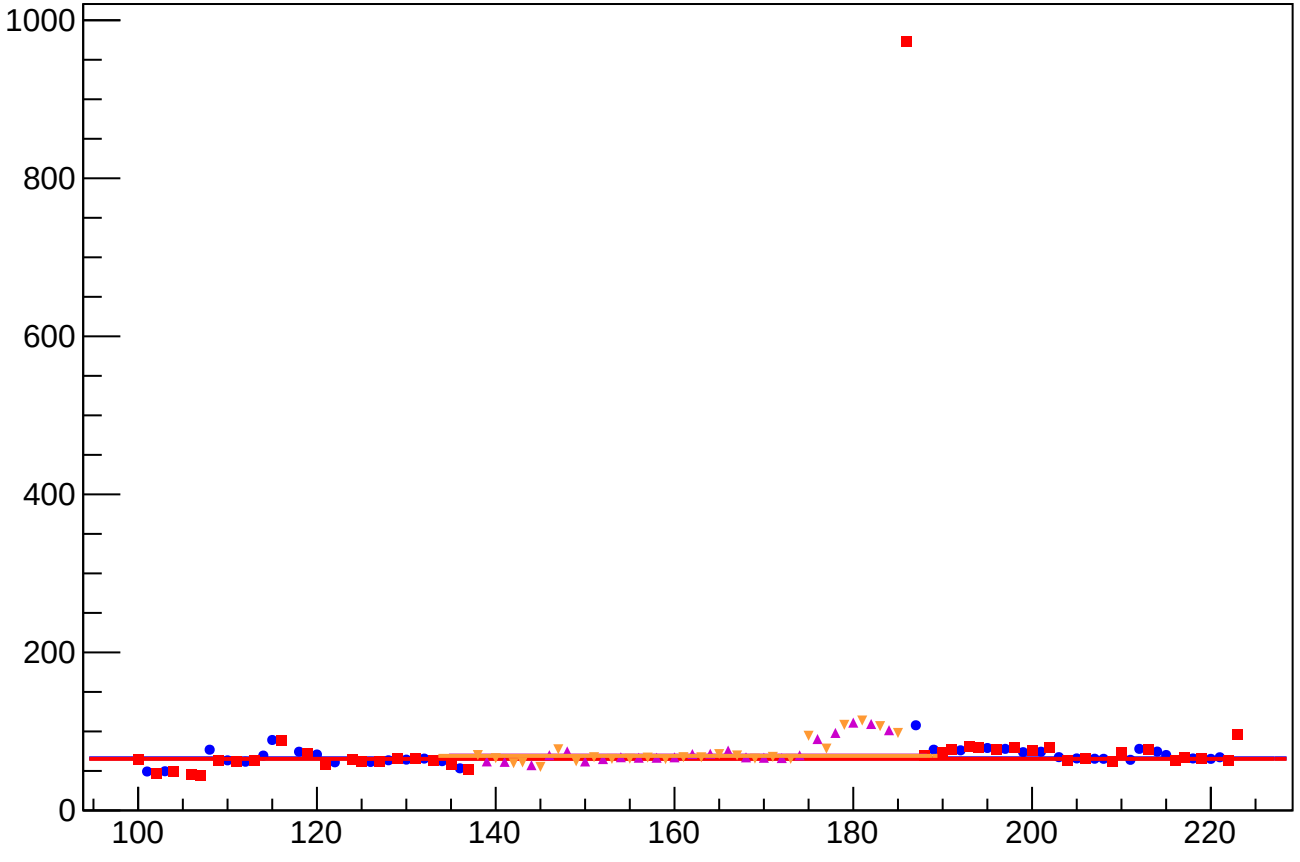
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 7.707+/-10.625 χ^2/NDF: 59.6/58

All: -15.166+/-7.531 χ^2/NDF: 152.7/120

- sign -38.260+/-10.676 χ^2/NDF: 83.8/61

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.995+/-0.010 χ^2/NDF: 758639.9/33

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

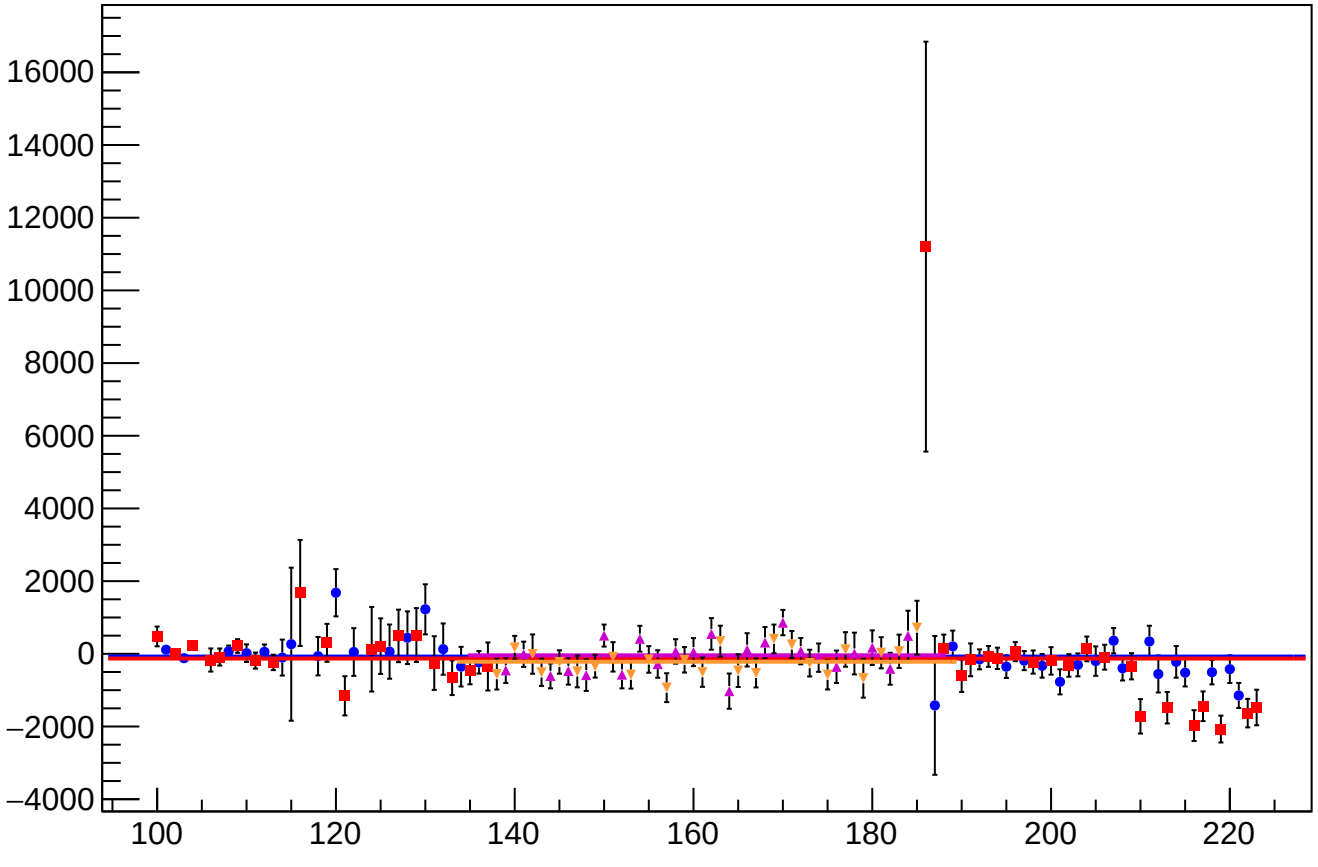
Right Out: 65.282+/-0.010 χ^2/NDF: 1823189.6/38

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.359+/-0.008 χ^2/NDF: 1874168.2/58

All: 67.190+/-0.005 χ^2/NDF: 4696671.6/120

- sign 67.020+/-0.008 χ^2/NDF: 2821494.2/61



Right In: -75.743+/-45.238 χ^2/NDF: 43.0/33

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -129.600+/-44.719 χ^2/NDF: 140.0/38

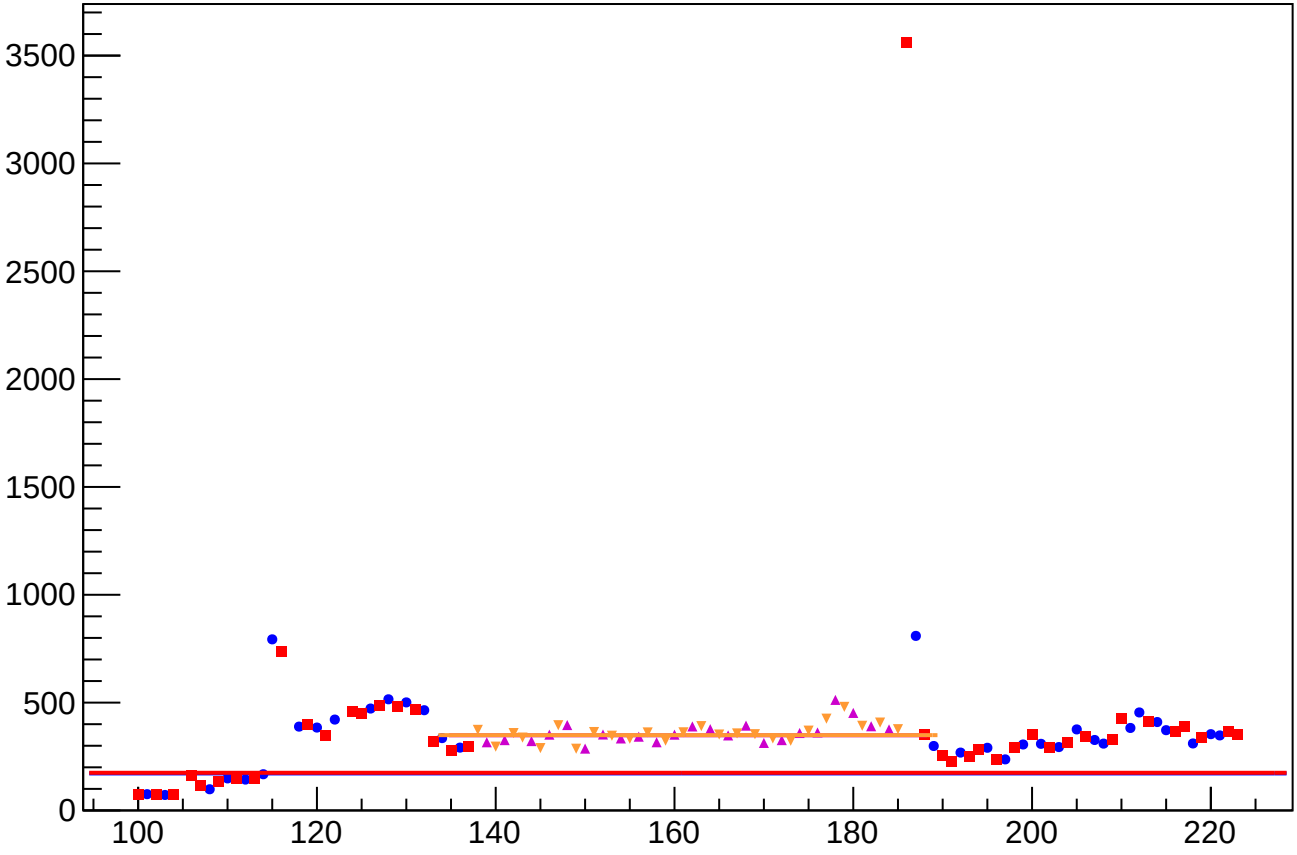
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -109.966+/-39.394 χ^2/NDF: 64.7/58

All: -109.735+/-27.818 χ^2/NDF: 235.5/120

\- sign -109.504+/-39.288 χ^2/NDF: 170.8/61

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 171.640+/-0.032 χ^2/NDF: 14852486.0/33

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 174.681+/-0.032 χ^2/NDF: 14740282.6/38

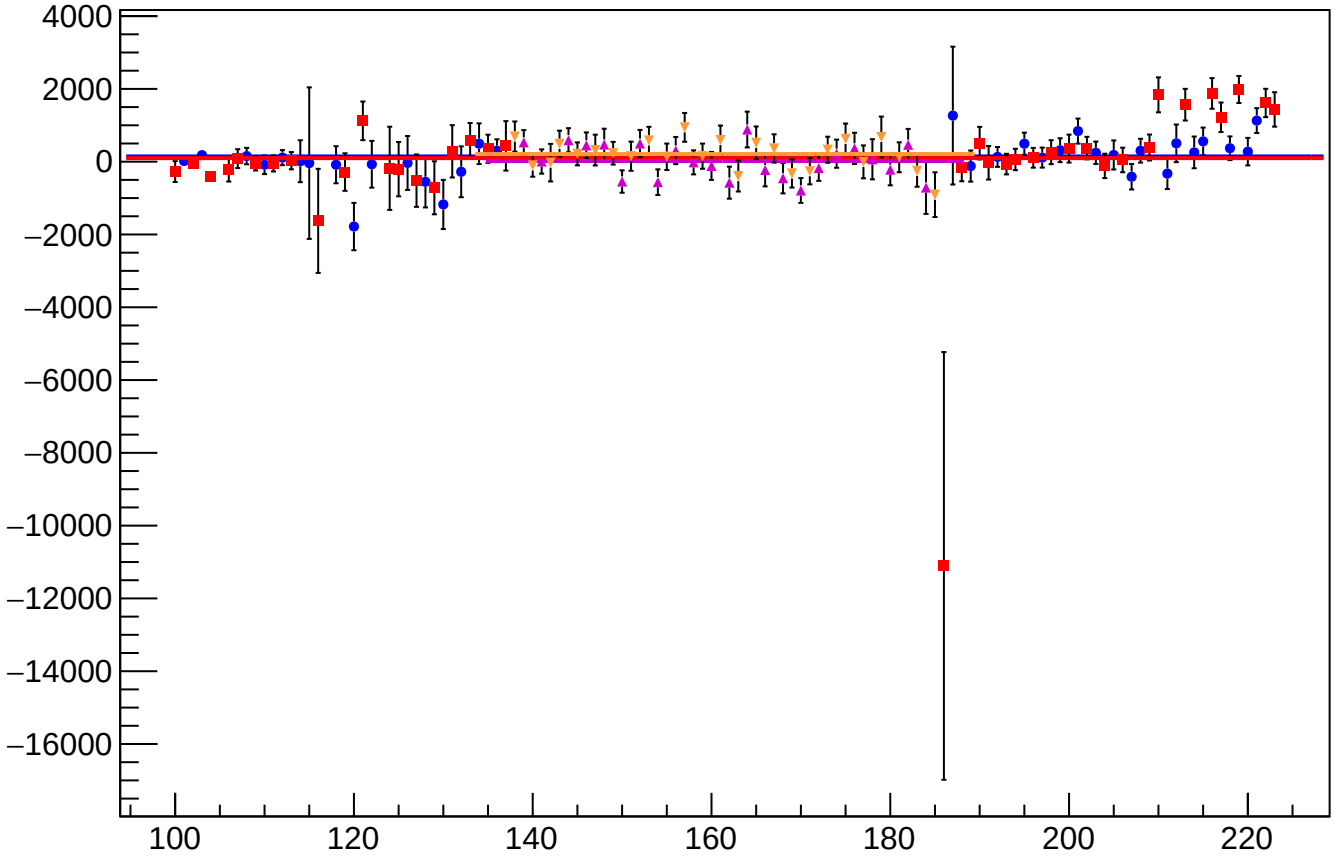
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 214.547+/-0.028 χ^2/NDF: 22821035.1/58

All: 214.448+/-0.020 χ^2/NDF: 44985187.0/12

- sign 214.348+/-0.028 χ^2/NDF: 22164126.4/61

asym_sam_15_avg_mean vs Slug



Right In: 143.465+/-48.362 χ^2/NDF: 38.7/33

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 97.856+/-47.465 χ^2/NDF: 142.1/38

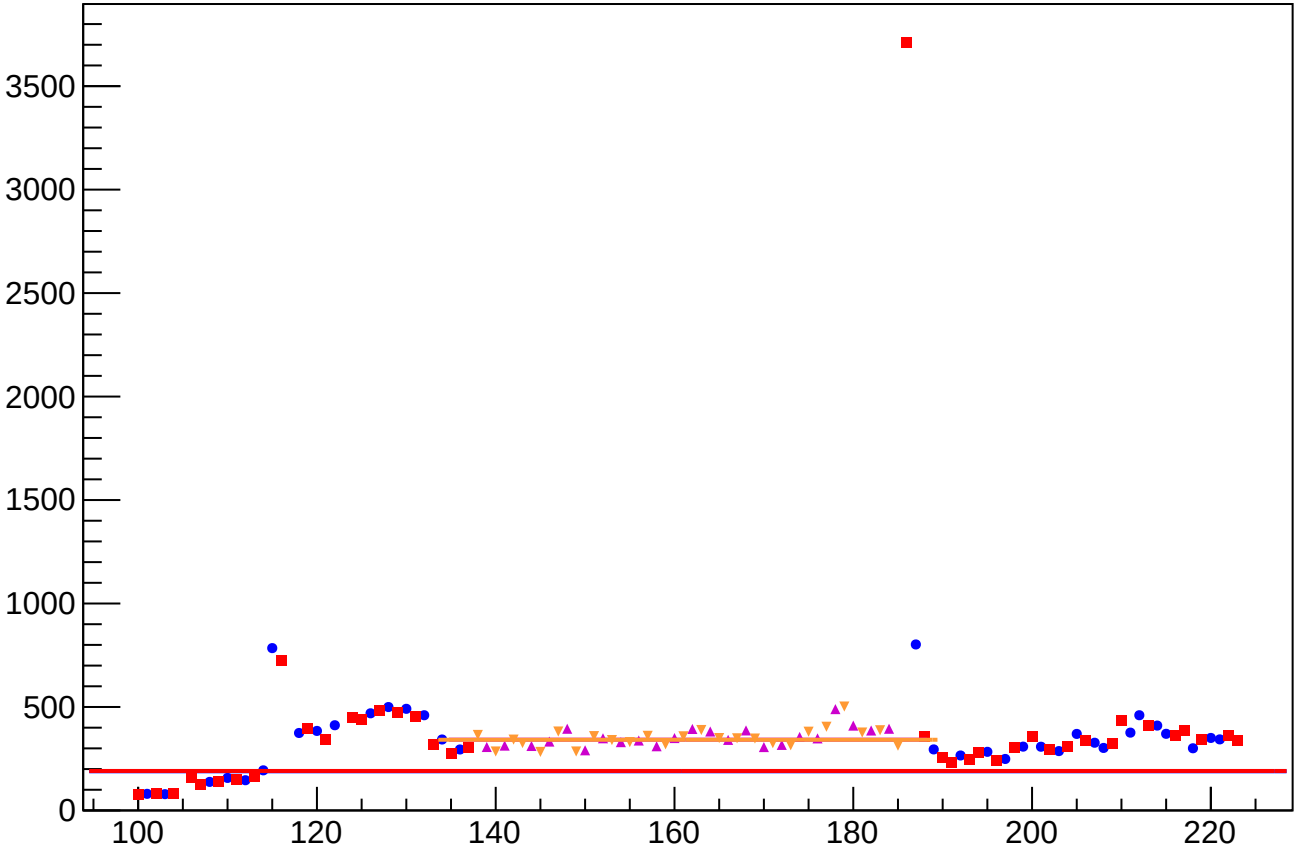
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 161.717+/-41.177 χ^2/NDF: 60.7/58

All: 119.348+/-29.023 χ^2/NDF: 237.6/120

- sign 77.521+/-40.913 χ^2/NDF: 174.8/61

asym_sam_15_avg_rms vs Slug



Right In: 189.249+/-0.034 χ^2/NDF: 12845917.8/33

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

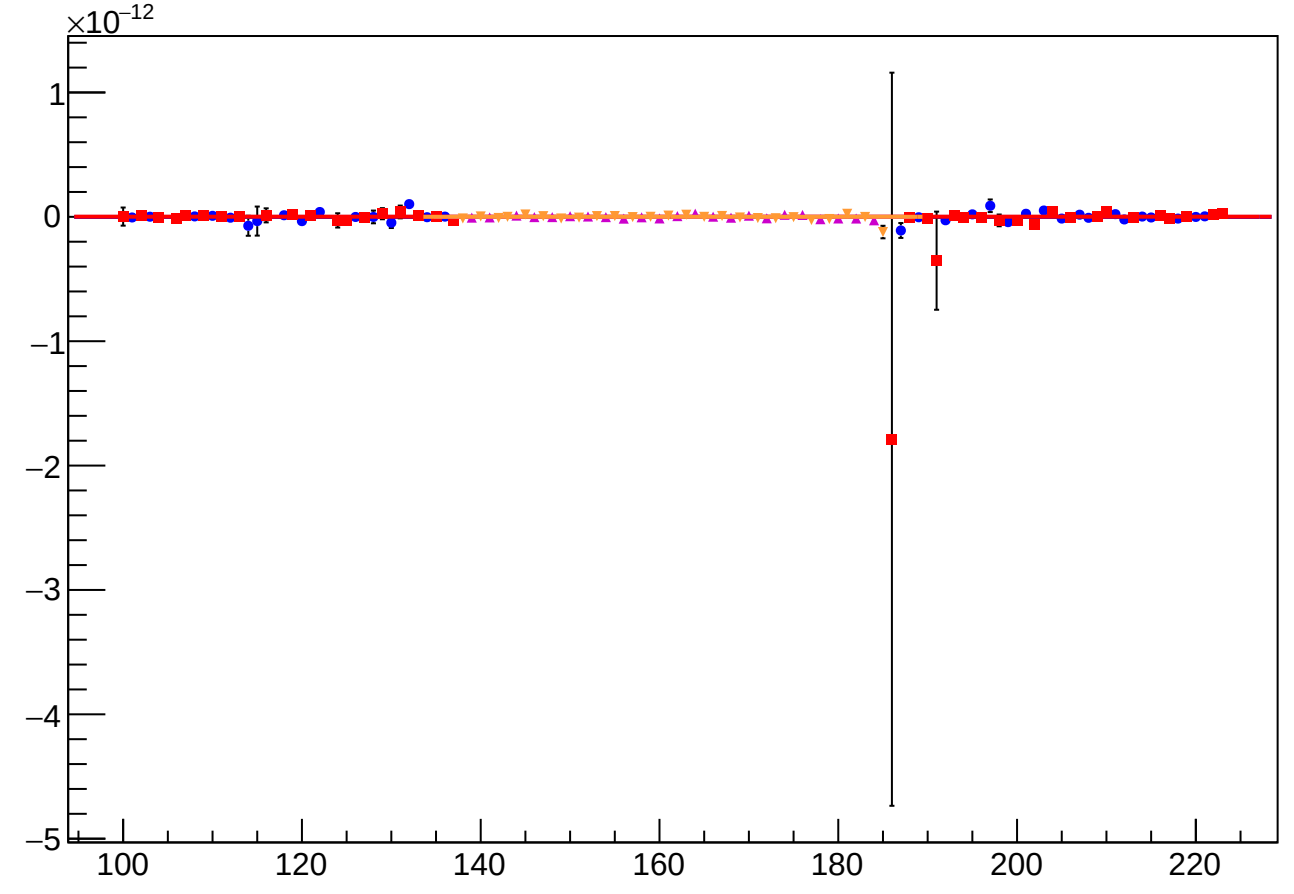
Right Out: 190.830+/-0.034 χ^2/NDF: 12841755.8/38

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 231.152+/-0.029 χ^2/NDF: 18858578.8/58

All: 230.406+/-0.021 χ^2/NDF: 37397478.2/12

- sign 229.670+/-0.029 χ^2/NDF: 18537596.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

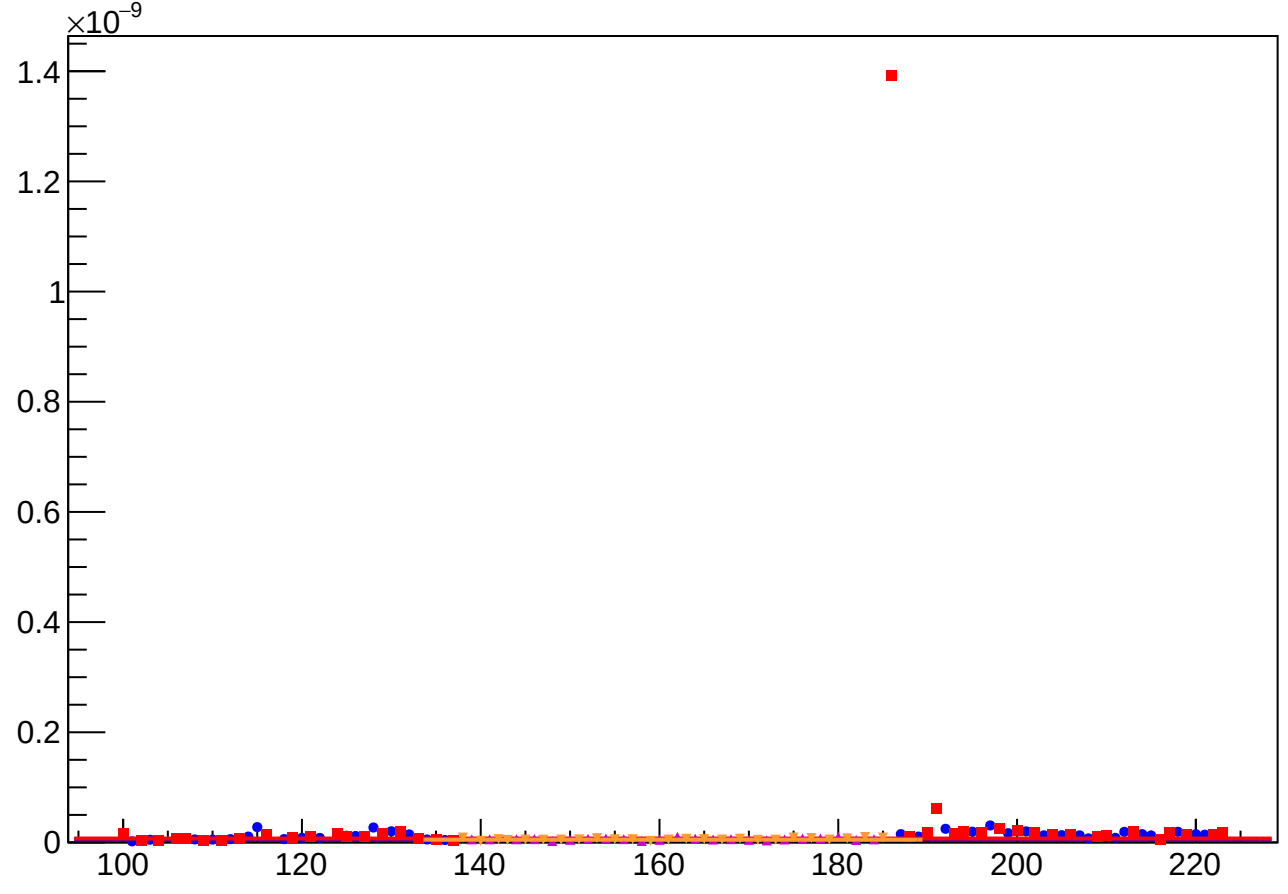
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/38

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

\+ sign -0.000+/-0.000 χ^2/NDF: 67.1/58

All: -0.000+/-0.000 χ^2/NDF: 114.1/120

\- sign -0.000+/-0.000 χ^2/NDF: 47.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 8557385.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

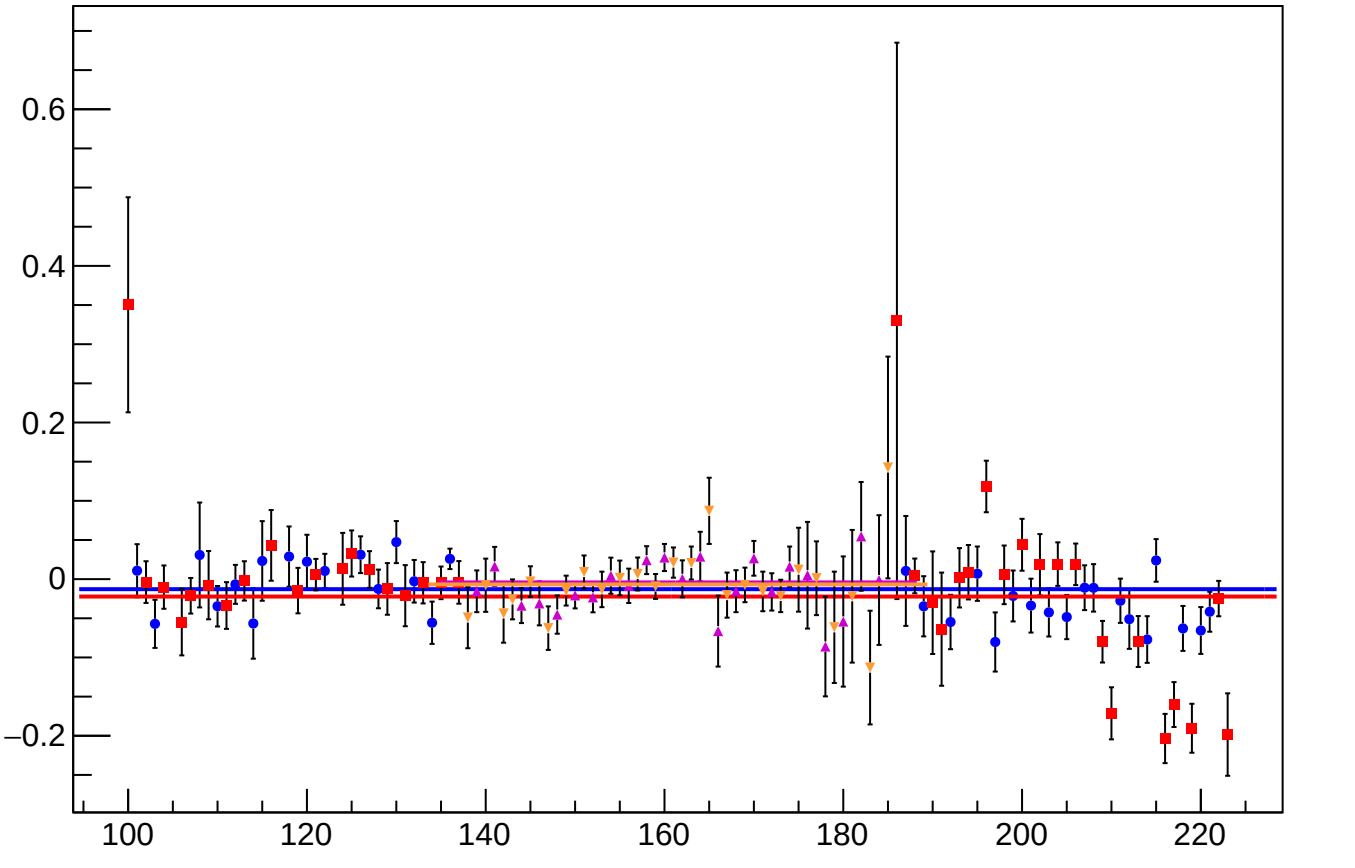
Right Out: 0.000+/-0.000 χ^2/NDF: 6610766.2/38

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9879618.8/58

All: 0.000+/-0.000 χ^2/NDF: 18586145.6/120

- sign 0.000+/-0.000 χ^2/NDF: 8585831.2/61



Right In: -0.013+/-0.005 χ^2/NDF: 52.1/33

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.022+/-0.005 χ^2/NDF: 178.5/38

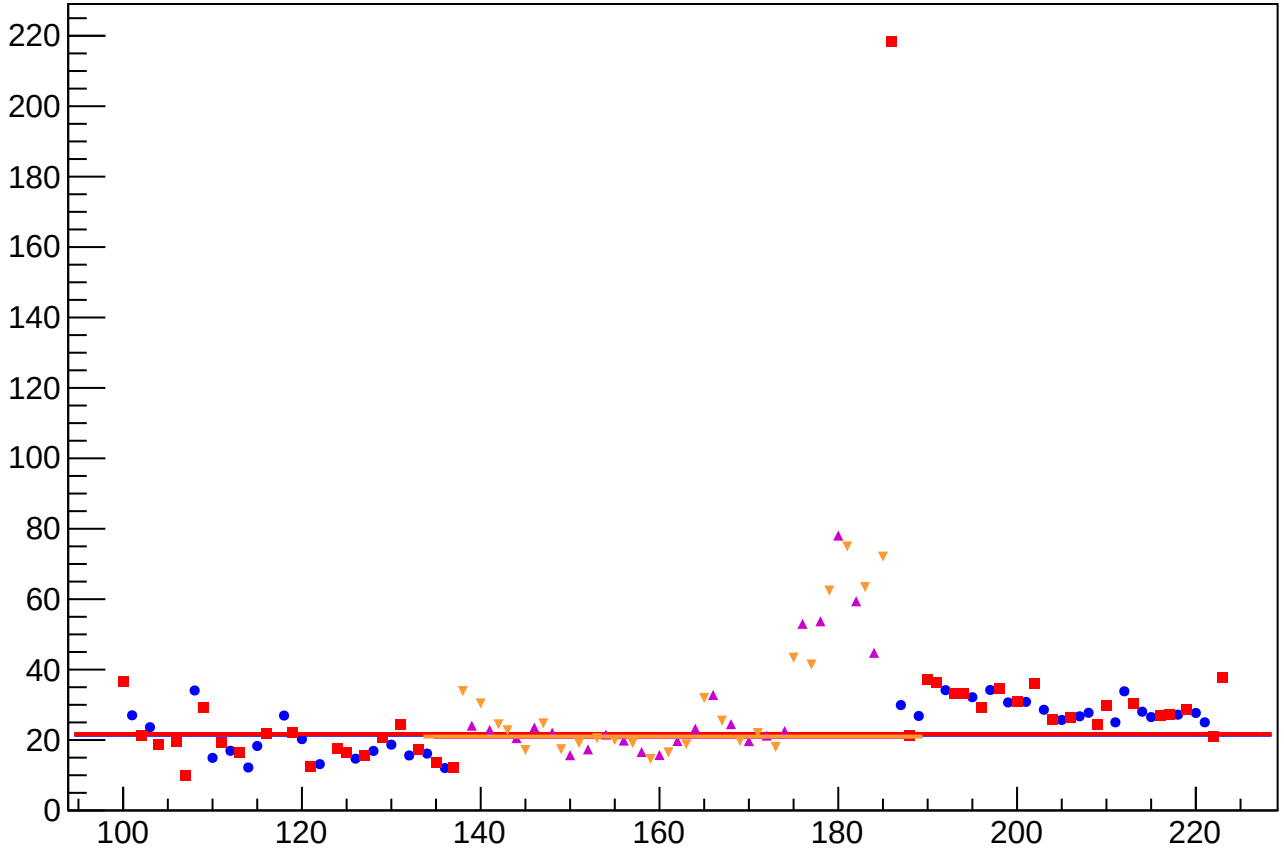
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.010+/-0.004 χ^2/NDF: 74.6/58

All: -0.012+/-0.003 χ^2/NDF: 283.1/120

- sign -0.014+/-0.004 χ^2/NDF: 207.9/61

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.499+/-0.003 χ^2/NDF: 4206850.1/33

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

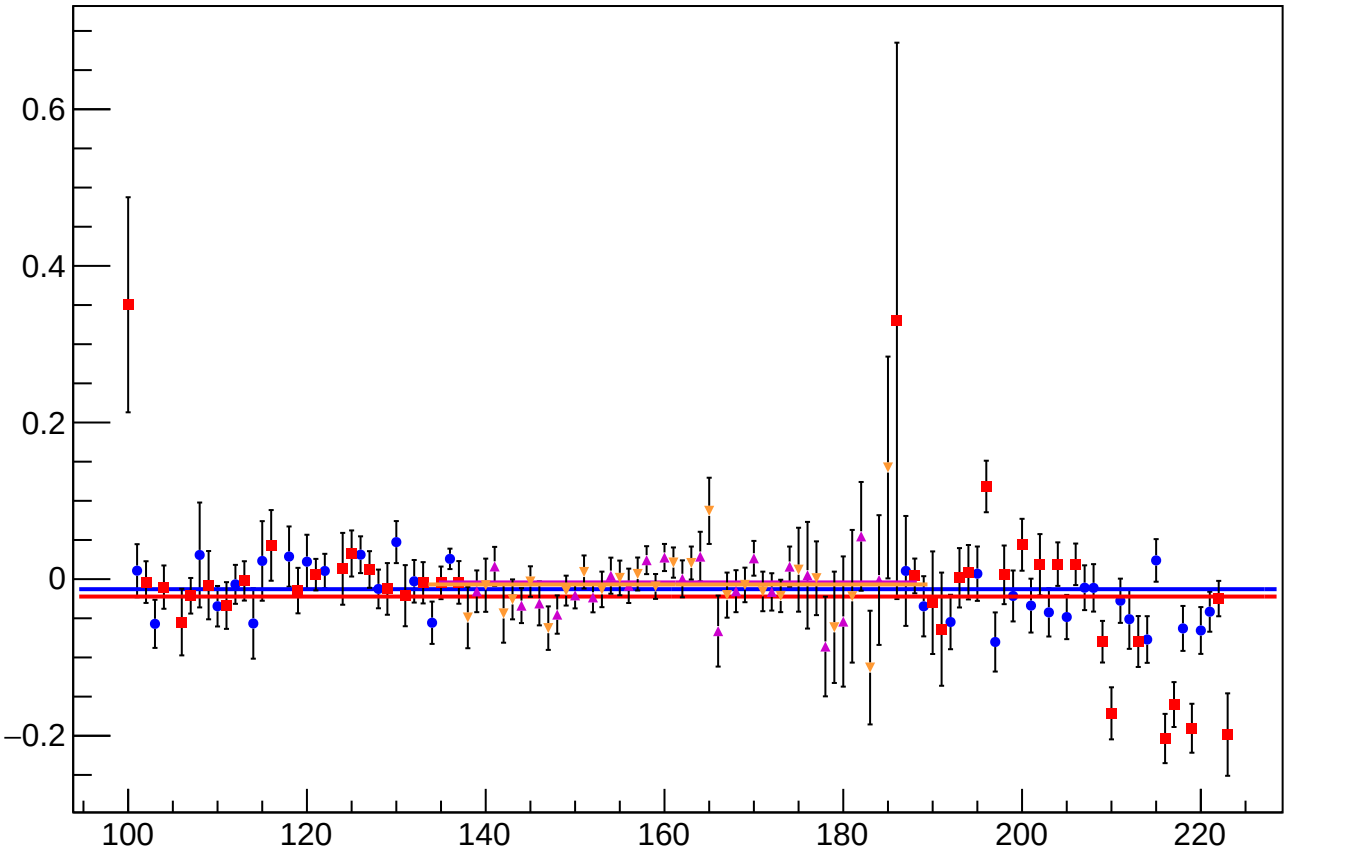
Right Out: 21.722+/-0.003 χ^2/NDF: 4761343.2/38

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 21.254+/-0.003 χ^2/NDF: 8684291.5/58

All: 21.290+/-0.002 χ^2/NDF: 17008949.9/120

- sign 21.327+/-0.003 χ^2/NDF: 8324243.4/61



Right In: -0.013+/-0.005 χ^2/NDF: 52.1/33

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.022+/-0.005 χ^2/NDF: 178.5/38

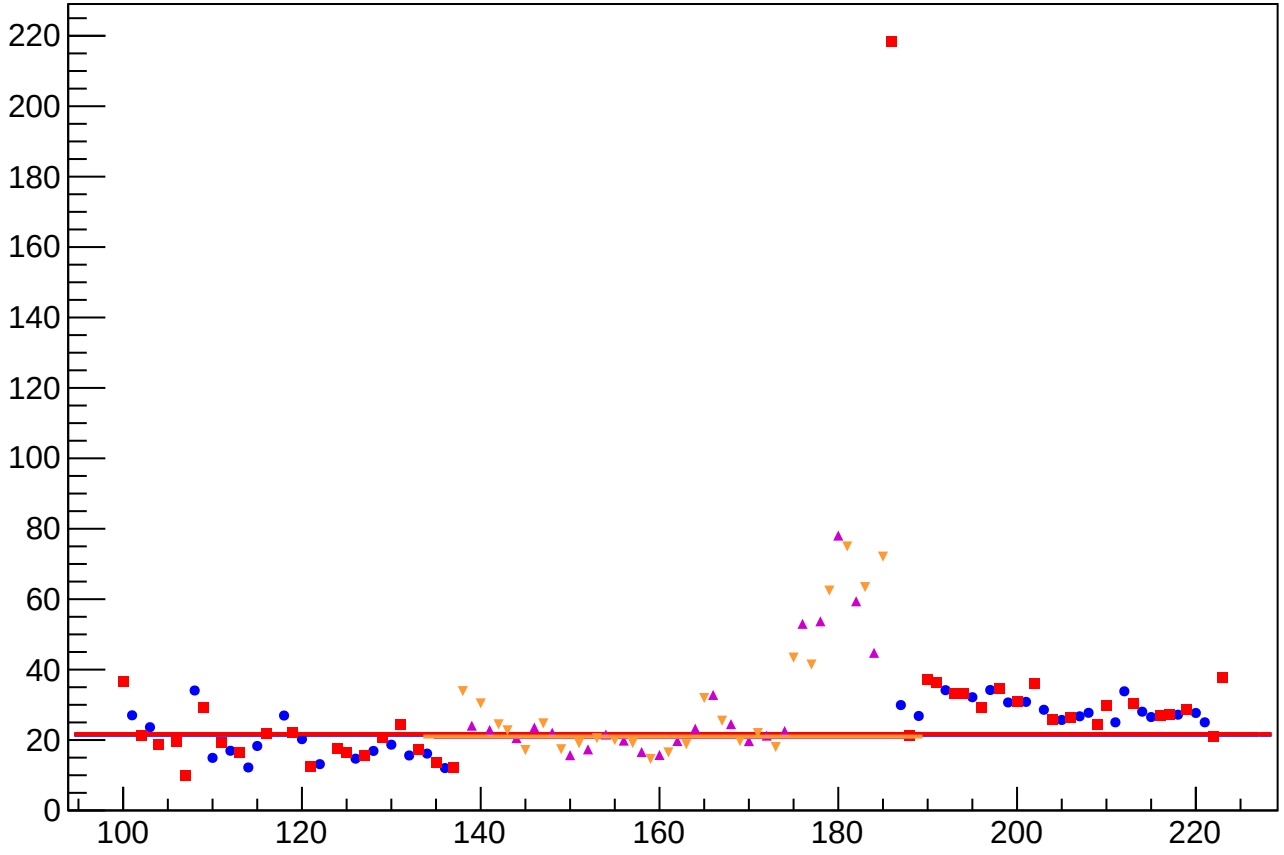
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.010+/-0.004 χ^2/NDF: 74.6/58

All: -0.012+/-0.003 χ^2/NDF: 283.1/120

- sign -0.014+/-0.004 χ^2/NDF: 207.9/61

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.499+/-0.003 χ^2/NDF: 4206850.1/33

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

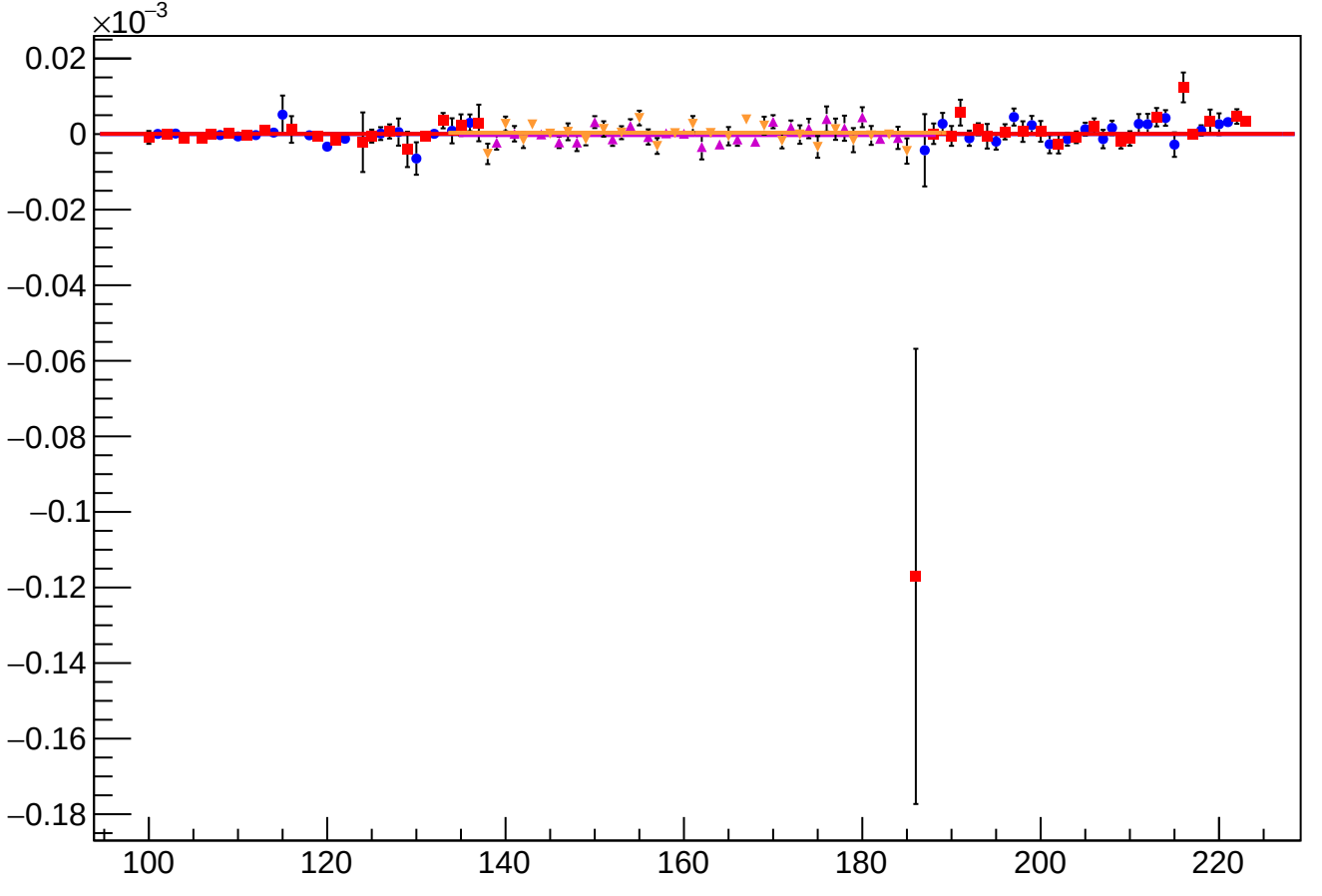
Right Out: 21.722+/-0.003 χ^2/NDF: 4761343.2/38

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 21.254+/-0.003 χ^2/NDF: 8684291.5/58

All: 21.290+/-0.002 χ^2/NDF: 17008949.9/120

\- sign 21.327+/-0.003 χ^2/NDF: 8324243.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 61.9/38

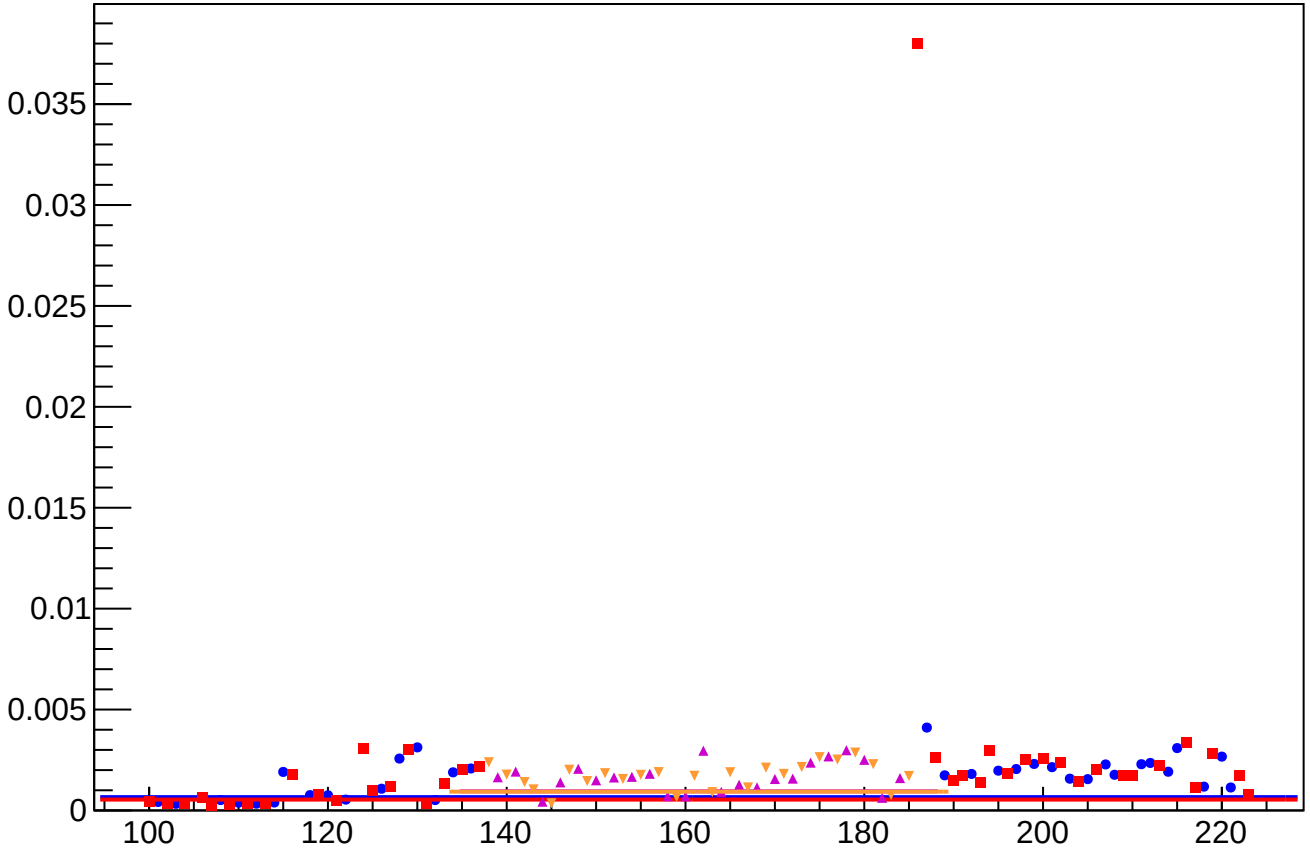
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.8/58

All: 0.000+/-0.000 χ^2/NDF: 172.0/120

- sign -0.000+/-0.000 χ^2/NDF: 94.6/61

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 17874476.5/33

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

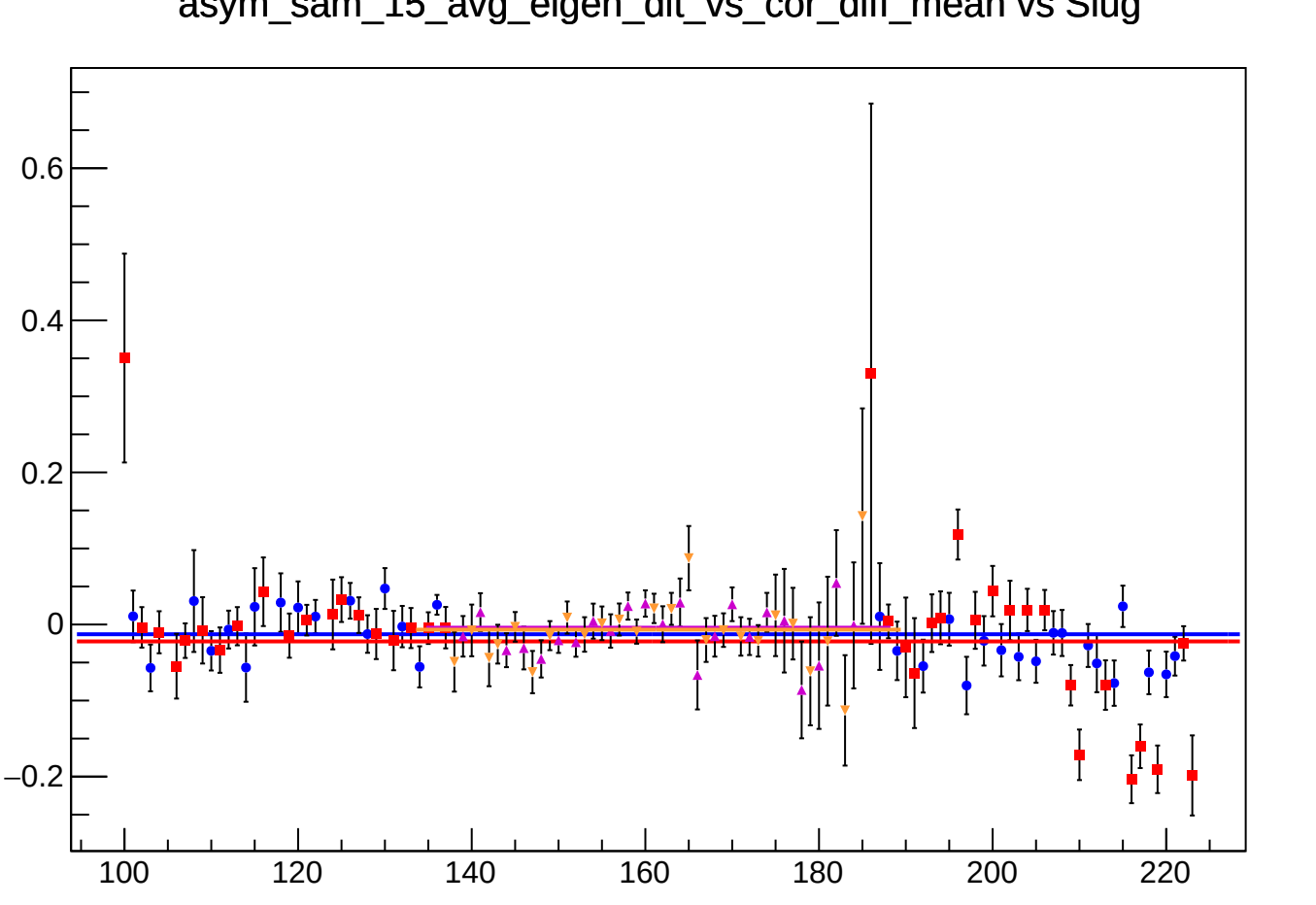
Right Out: 0.001+/-0.000 χ^2/NDF: 21465233.2/38

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 31294210.4/58

All: 0.001+/-0.000 χ^2/NDF: 66247662.7/120

- sign 0.001+/-0.000 χ^2/NDF: 34445849.6/61



Right In: -0.013+/-0.005 χ^2/NDF: 52.1/33

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.022+/-0.005 χ^2/NDF: 178.5/38

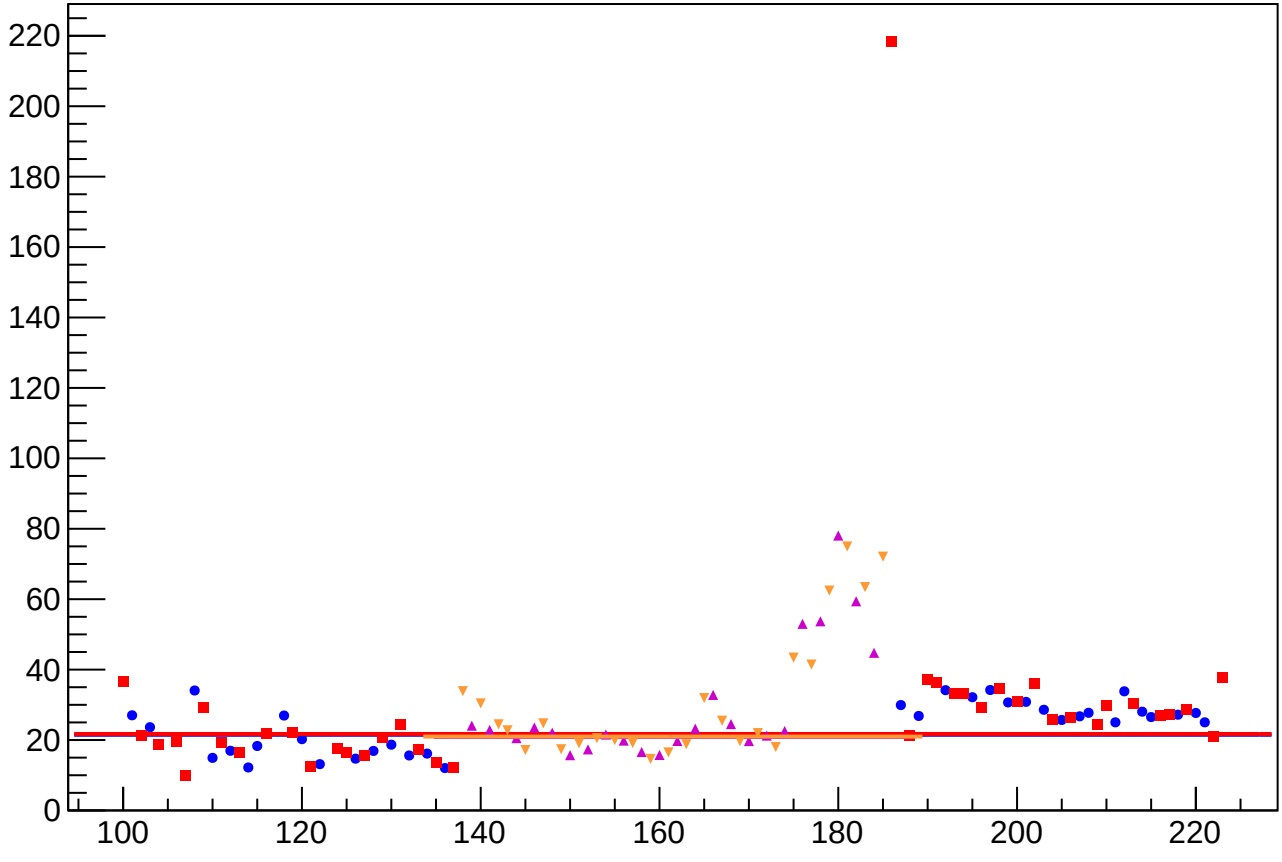
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.010+/-0.004 χ^2/NDF: 74.6/58

All: -0.012+/-0.003 χ^2/NDF: 283.1/120

- sign -0.014+/-0.004 χ^2/NDF: 207.9/61

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.498+/-0.003 χ^2/NDF: 4206831.6/33

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

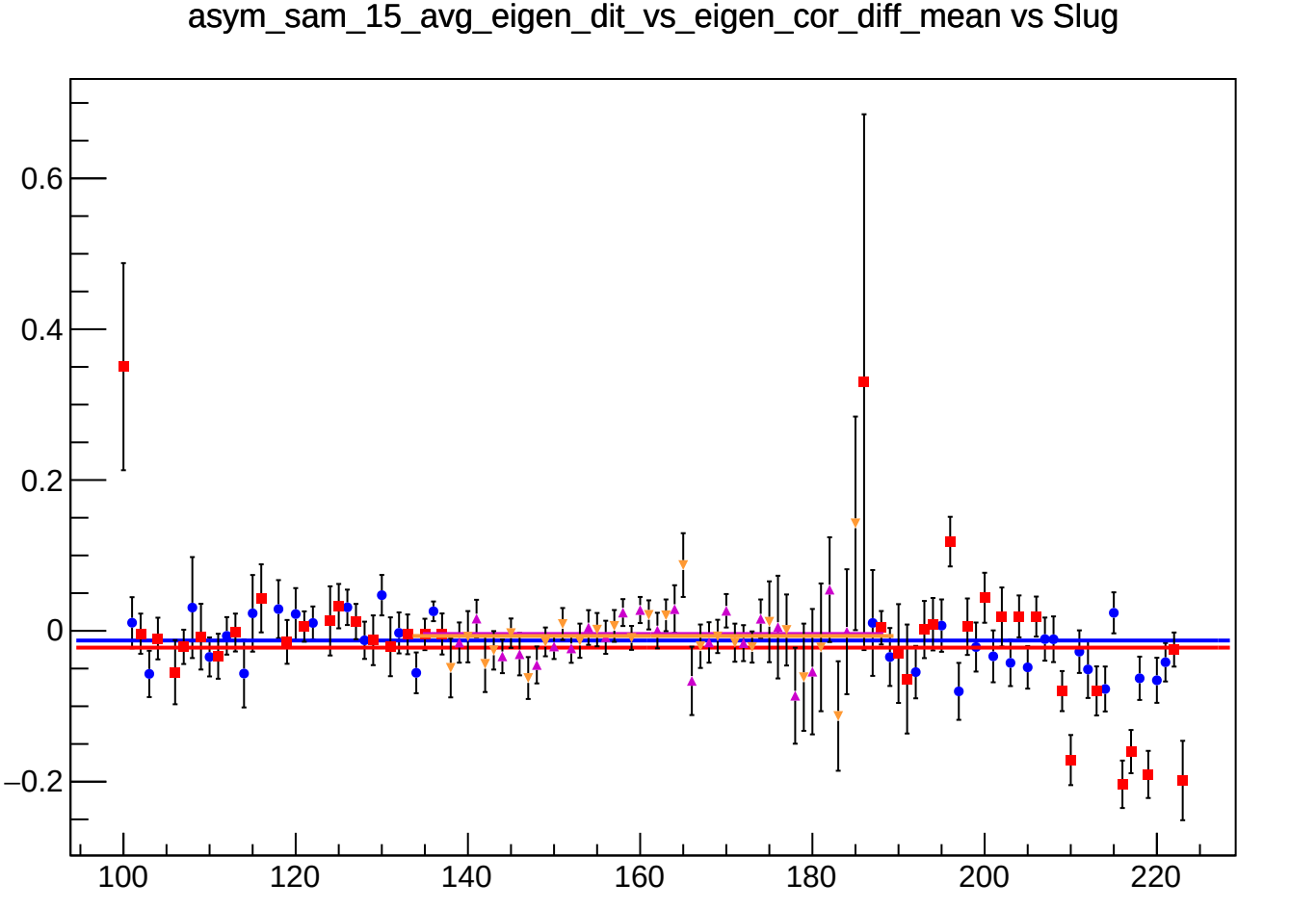
Right Out: 21.722+/-0.003 χ^2/NDF: 4761352.9/38

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 21.254+/-0.003 χ^2/NDF: 8684231.8/58

All: 21.290+/-0.002 χ^2/NDF: 17008920.0/120

- sign 21.327+/-0.003 χ^2/NDF: 8324274.1/61



Right In: -0.013+/-0.005 χ^2/NDF: 52.1/33

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

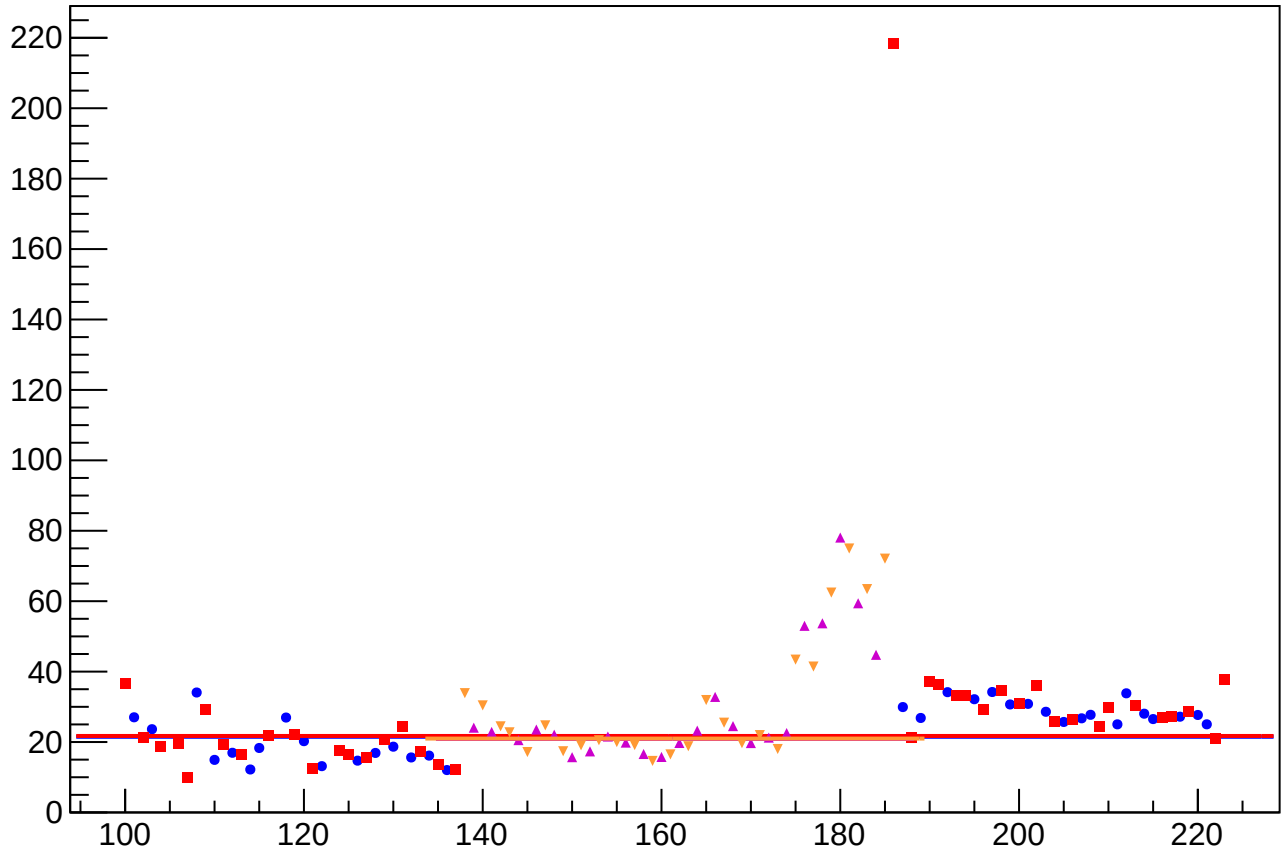
Right Out: -0.022+/-0.005 χ^2/NDF: 178.5/38

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.010+/-0.004 χ^2/NDF: 74.6/58

All: -0.012+/-0.003 χ^2/NDF: 283.1/120

- sign -0.014+/-0.004 χ^2/NDF: 207.9/61



Right In: 21.498+/-0.003 χ^2/NDF: 4206831.6/33

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

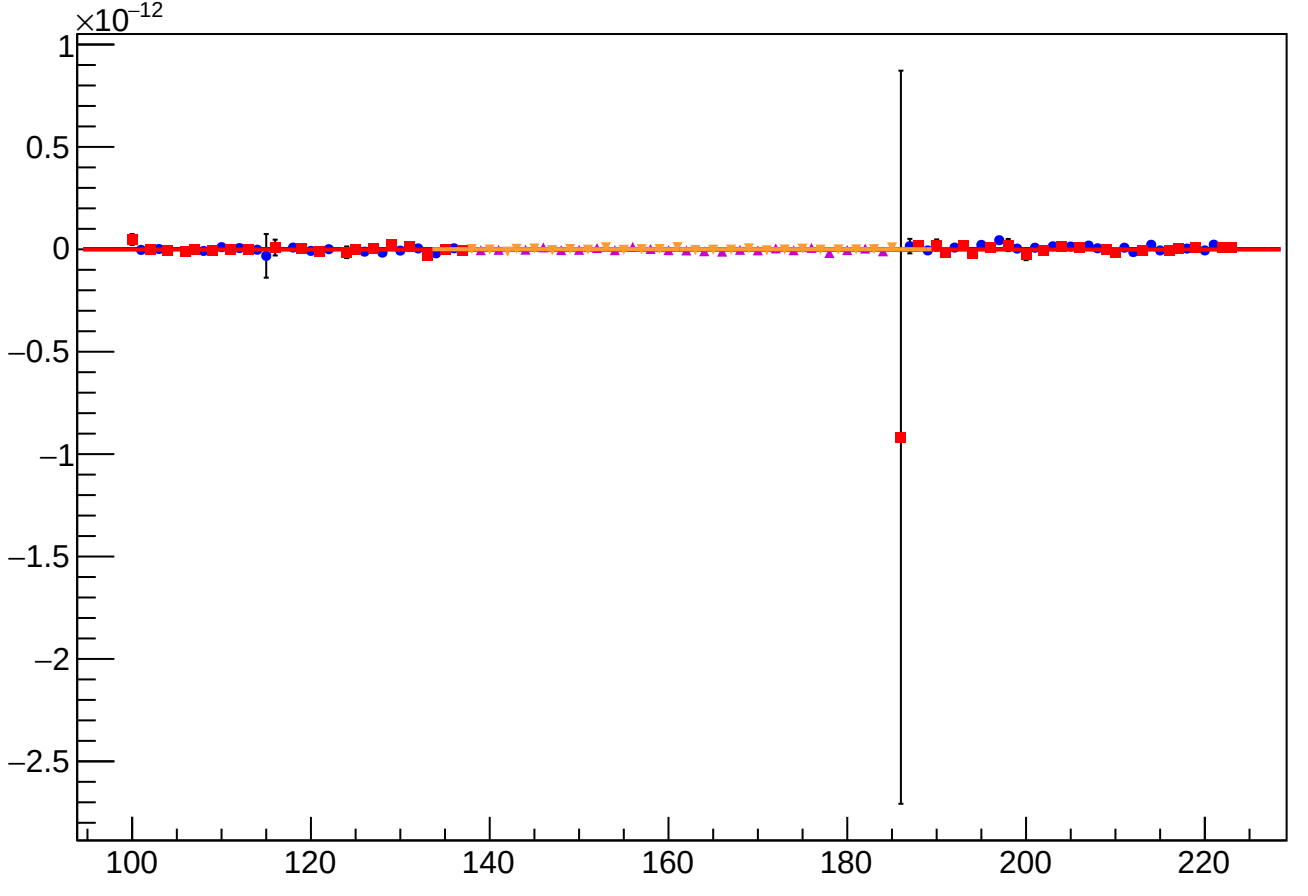
Right Out: 21.722+/-0.003 χ^2/NDF: 4761352.9/38

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 21.254+/-0.003 χ^2/NDF: 8684231.8/58

All: 21.290+/-0.002 χ^2/NDF: 17008920.0/120

- sign 21.327+/-0.003 χ^2/NDF: 8324274.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 32.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

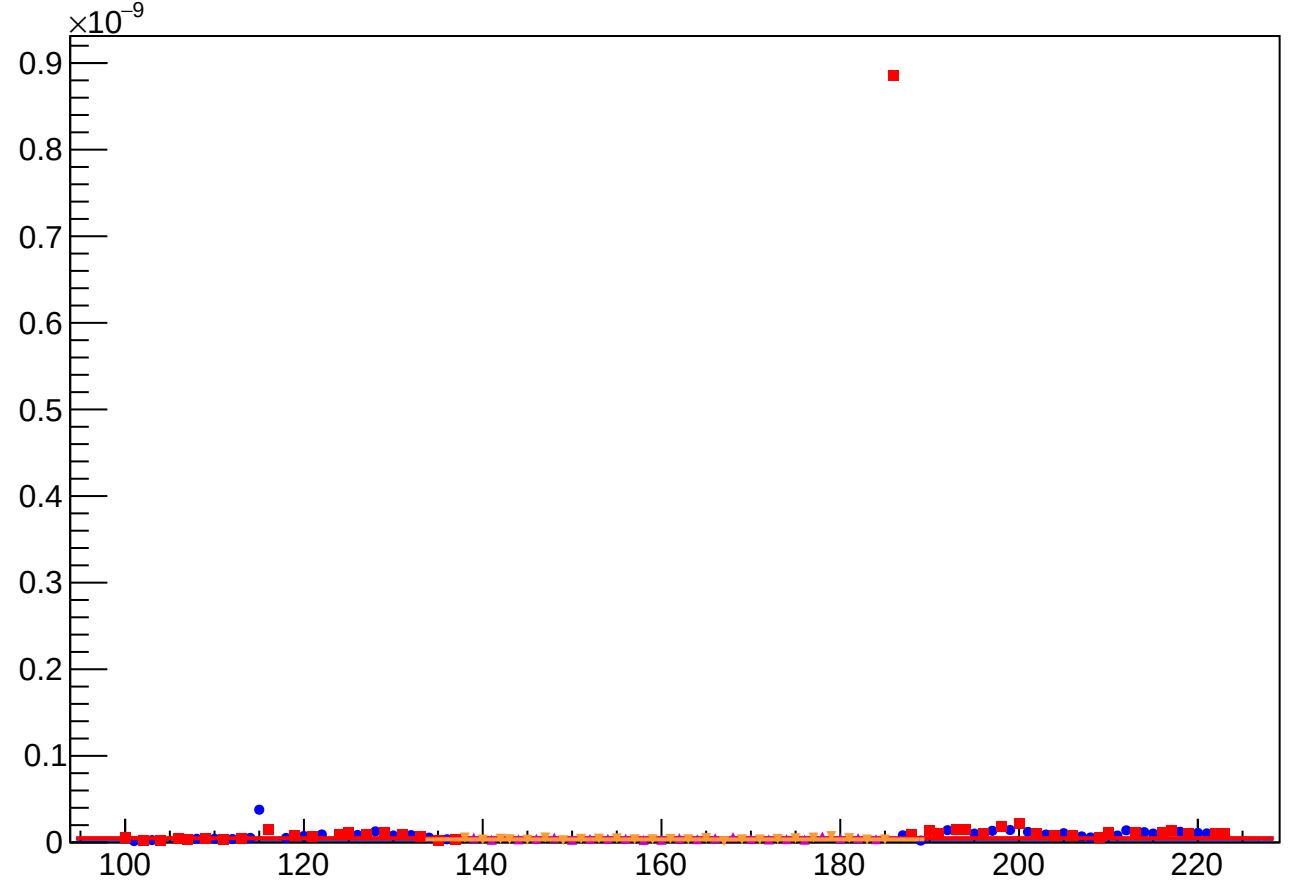
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/38

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/58

All: 0.000+/-0.000 χ^2/NDF: 104.7/120

- sign -0.000+/-0.000 χ^2/NDF: 55.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 10816852.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10371007.1/38

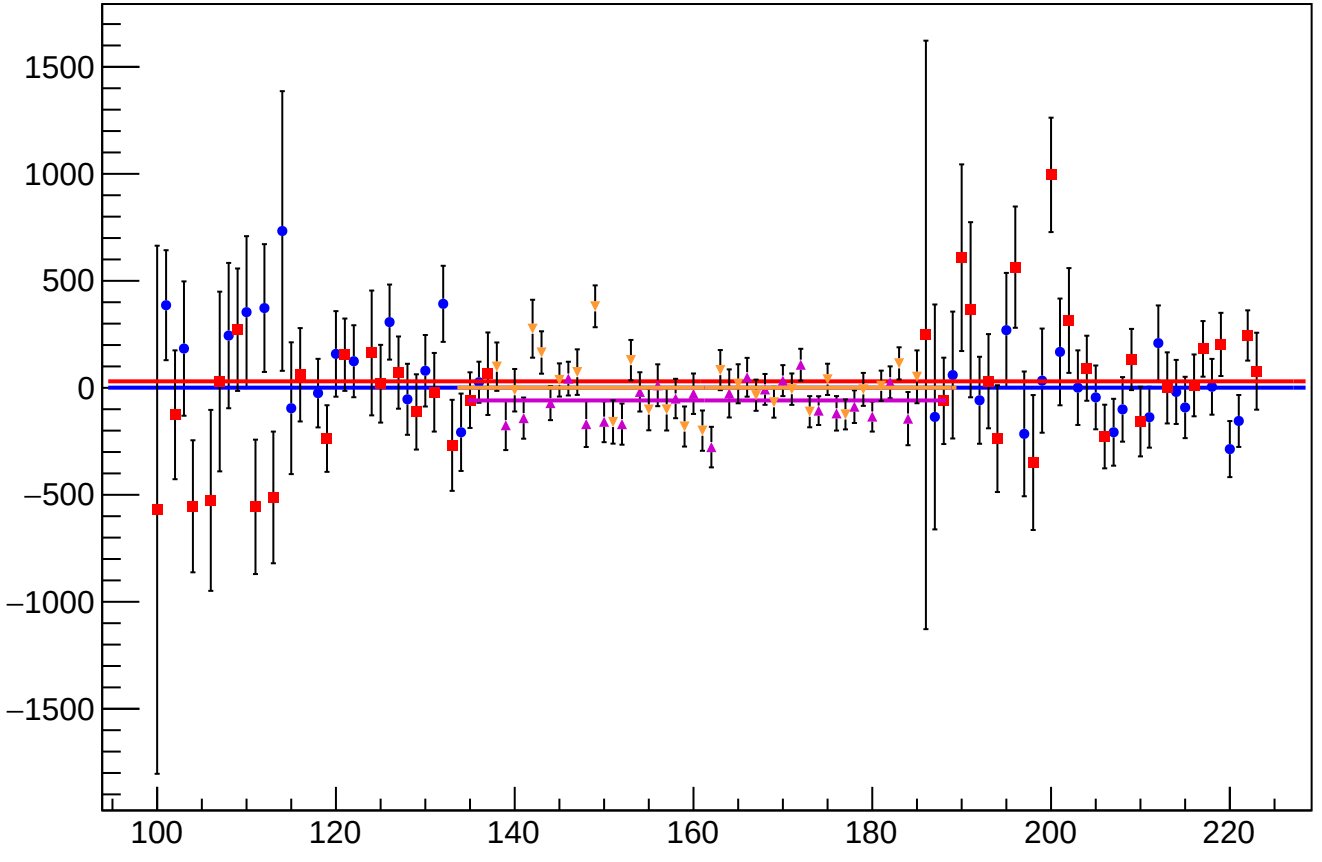
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13686361.9/58

All: 0.000+/-0.000 χ^2/NDF: 26136528.1/120

- sign 0.000+/-0.000 χ^2/NDF: 12162151.1/61

reg_asym_sam_26_avg_mean vs Slug



Right In: 0.755+/-30.694 χ^2/NDF: 31.6/33

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 30.326+/-31.545 χ^2/NDF: 54.5/38

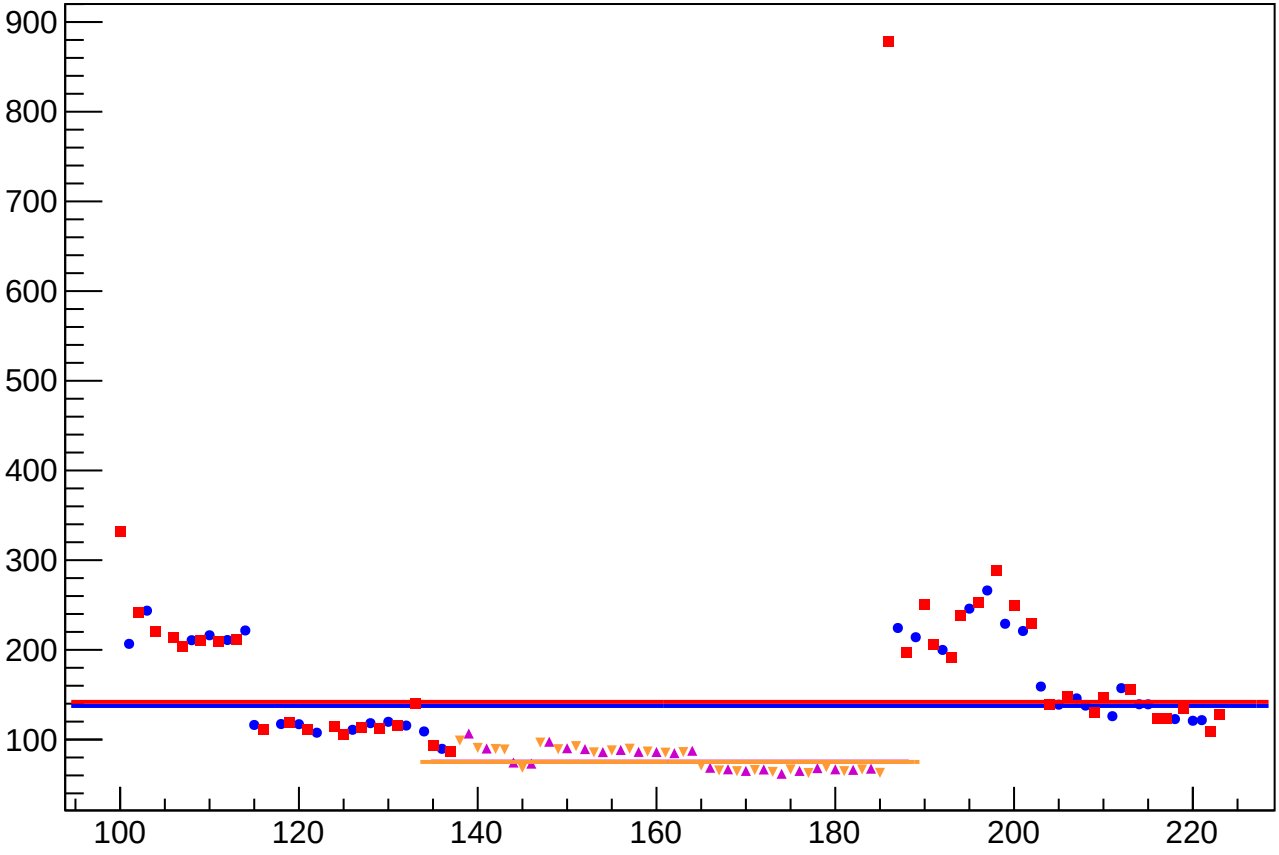
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 0.636+/-15.084 χ^2/NDF: 80.2/58

All: -17.707+/-10.828 χ^2/NDF: 169.6/120

- sign -37.212+/-15.554 χ^2/NDF: 86.4/61

reg_asym_sam_26_avg_rms vs Slug



Right In: 137.461+/-0.022 χ^2/NDF: 3287010.3/33

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

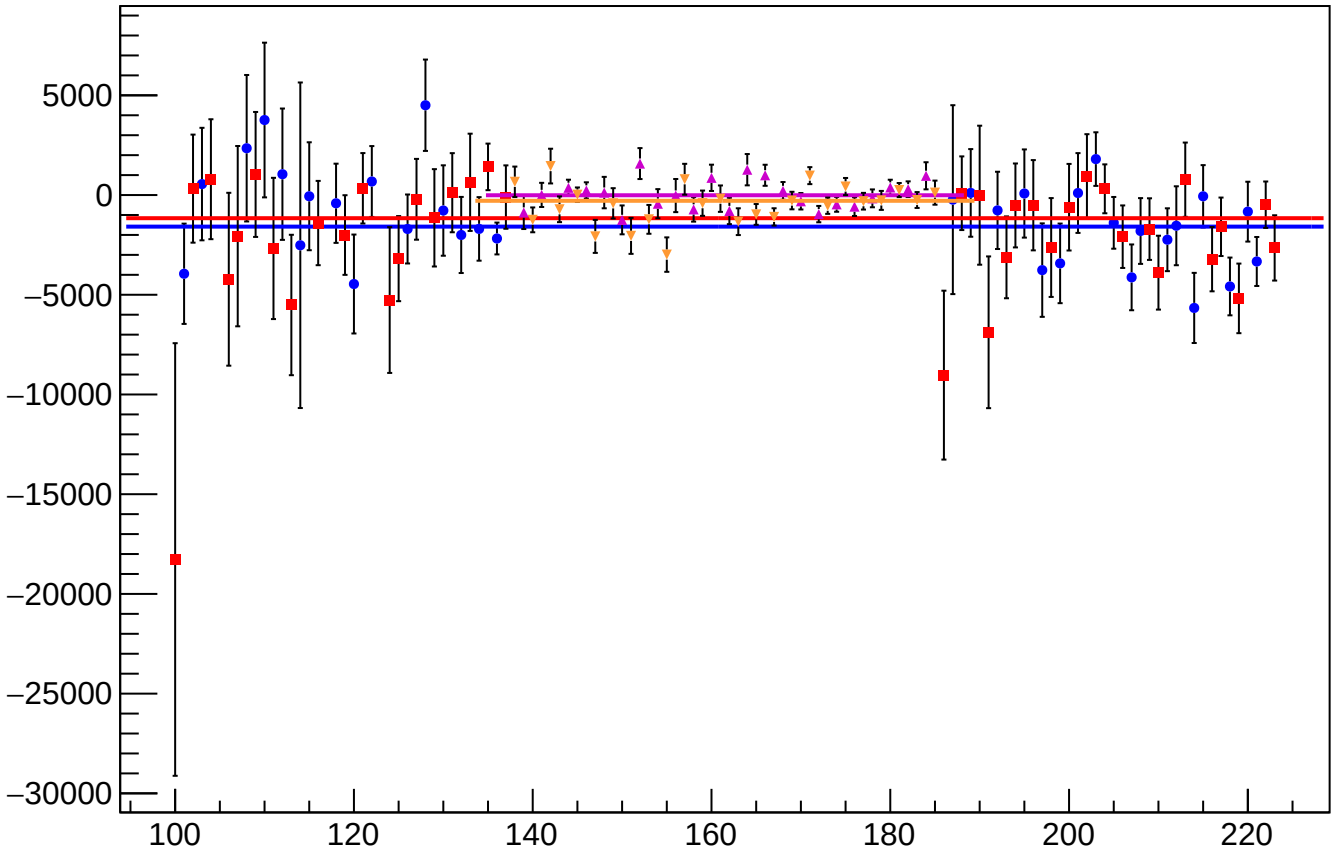
Right Out: 141.996+/-0.022 χ^2/NDF: 4548940.3/38

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 90.115+/-0.011 χ^2/NDF: 10488617.9/58

All: 90.813+/-0.008 χ^2/NDF: 22640263.4/120

- sign 91.555+/-0.011 χ^2/NDF: 12142810.1/61



Right In: -1583.126+/-306.795 χ^2/NDF: 42.3/33

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -1160.625+/-319.531 χ^2/NDF: 37.7/38

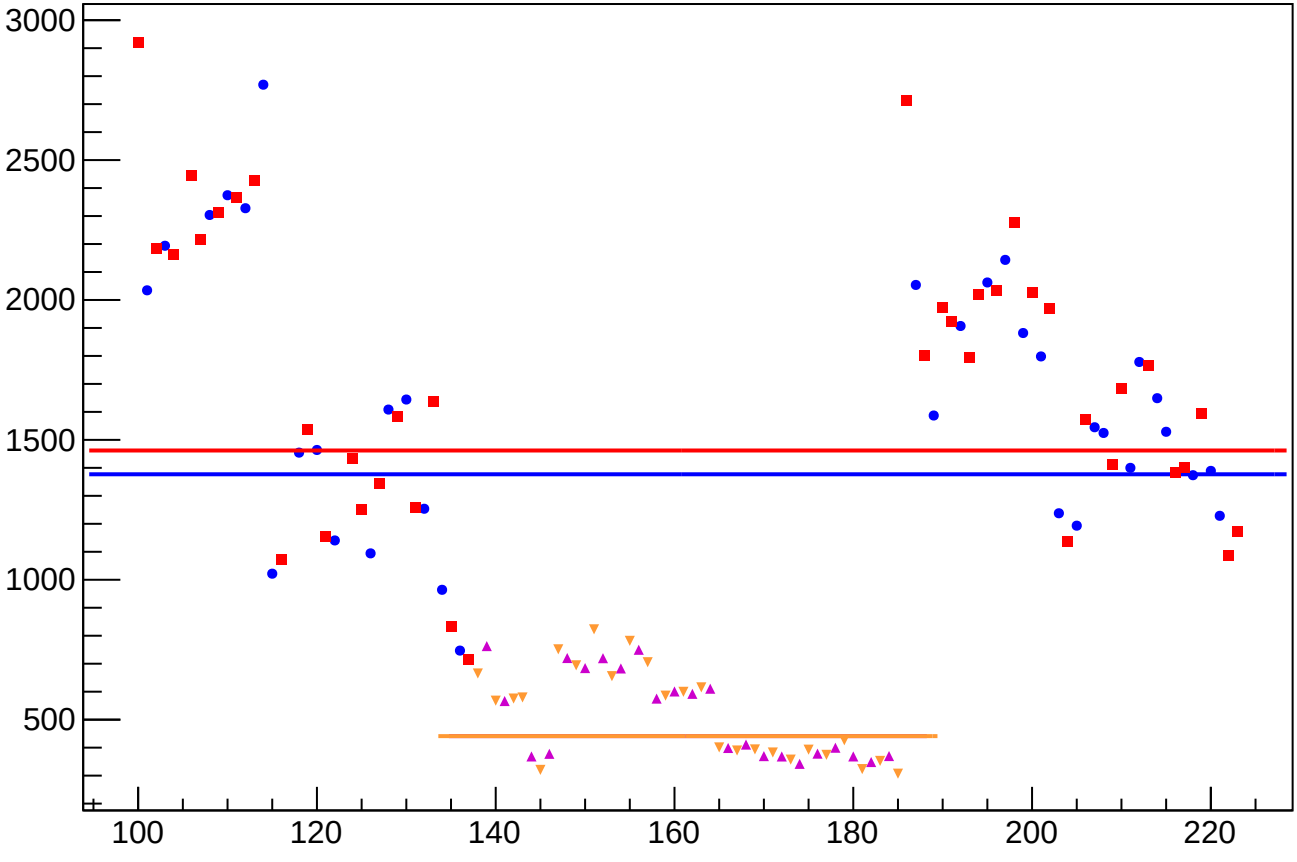
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -424.403+/-99.539 χ^2/NDF: 111.5/58

All: -279.820+/-71.250 χ^2/NDF: 198.5/120

- sign -127.901+/-102.033 χ^2/NDF: 82.7/61

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1377.019+/-0.217 χ^2/NDF: 3464851.7/33

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

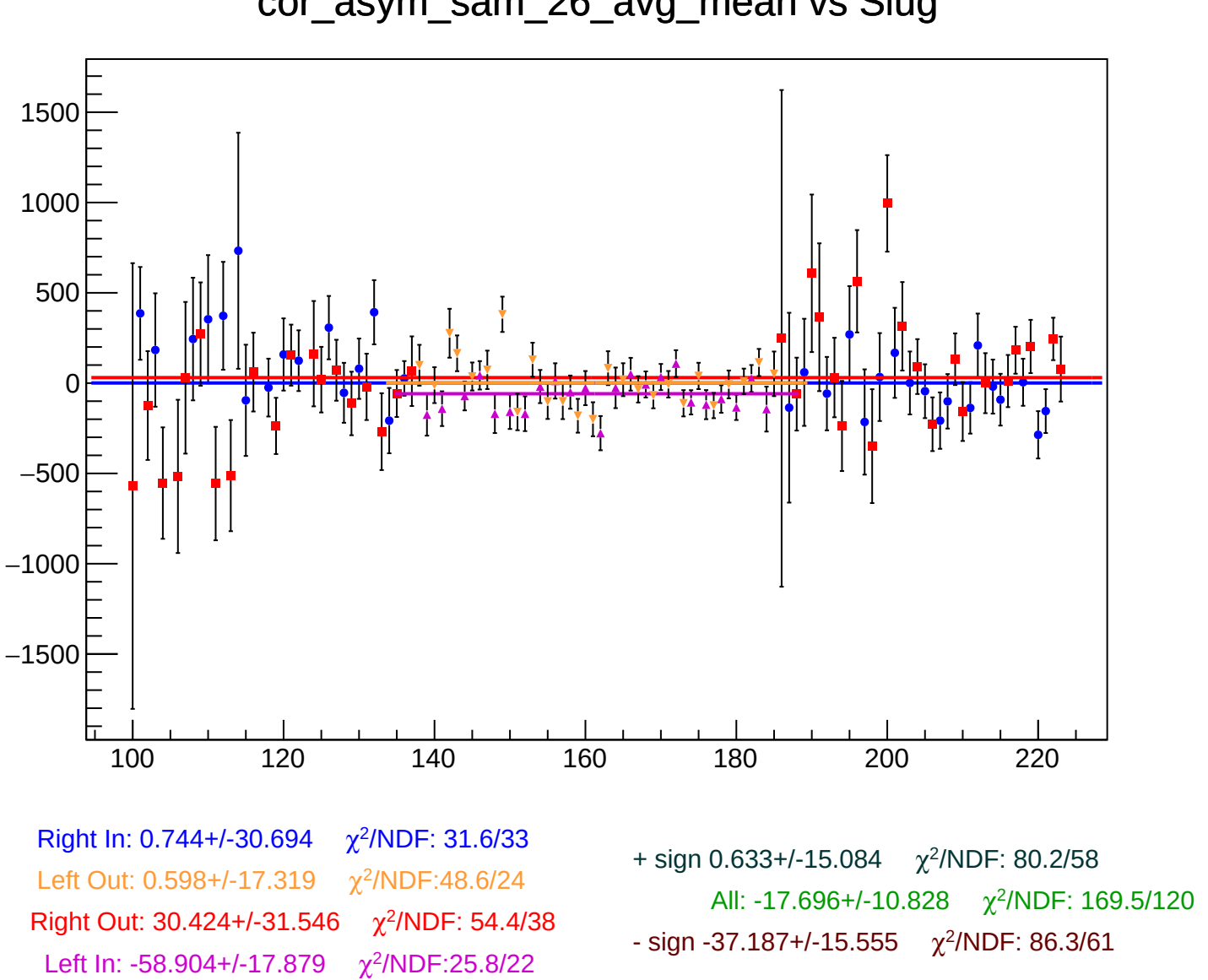
Right Out: 1462.031+/-0.226 χ^2/NDF: 3717267.4/38

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

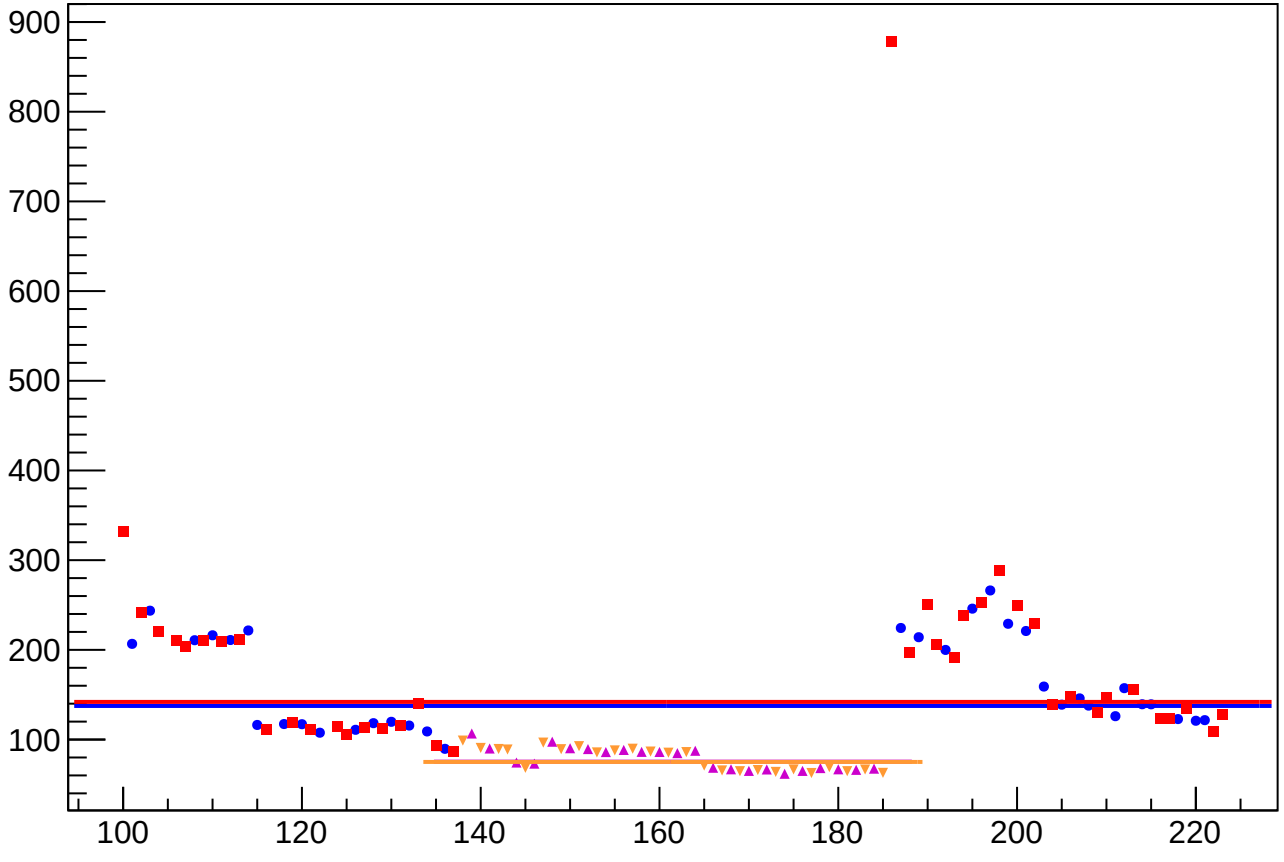
+ sign 539.646+/-0.070 χ^2/NDF: 23351916.0/58

All: 542.396+/-0.050 χ^2/NDF: 48086336.2/12

- sign 545.286+/-0.072 χ^2/NDF: 24731288.9/61


cor_asym_sam_26_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 0.744+/-30.694 χ²/NDF: 31.6/33
Left Out: 0.598+/-17.319 χ²/NDF:48.6/24
Right Out: 30.424+/-31.546 χ²/NDF: 54.4/38
Left In: -58.904+/-17.879 χ²/NDF:25.8/22
+ sign 0.633+/-15.084 χ²/NDF: 80.2/58
All: -17.696+/-10.828 χ²/NDF: 169.5/120
- sign -37.187+/-15.555 χ²/NDF: 86.3/61

cor_asym_sam_26_avg_rms vs Slug



Right In: 137.461+/-0.022 χ^2/NDF: 3287012.8/33

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

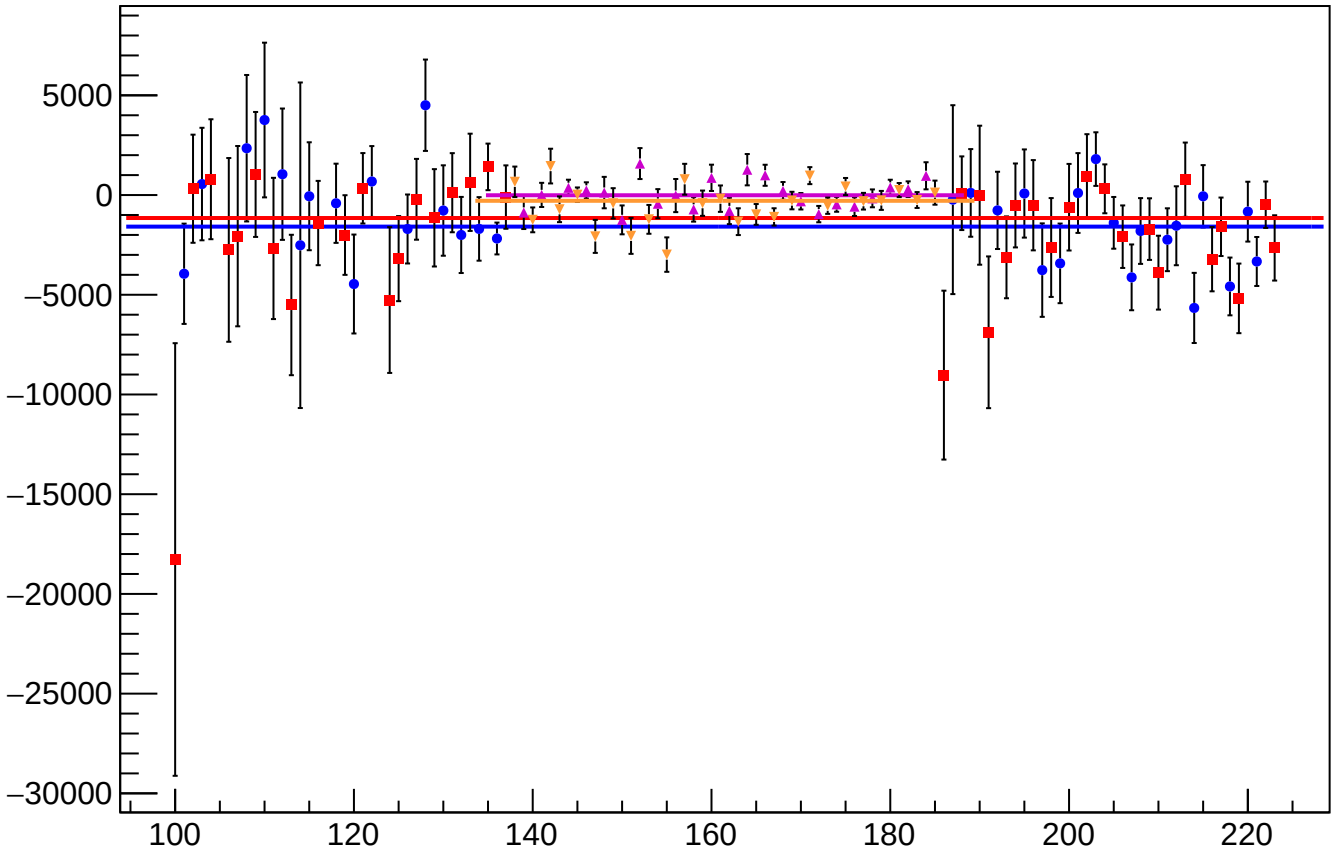
Right Out: 141.977+/-0.022 χ^2/NDF: 4544042.1/38

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 90.115+/-0.011 χ^2/NDF: 10488619.9/58

All: 90.810+/-0.008 χ^2/NDF: 22631049.3/120

- sign 91.550+/-0.011 χ^2/NDF: 12133660.3/61



Right In: -1583.122+/-306.795 χ^2/NDF: 42.3/33

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -1151.732+/-319.633 χ^2/NDF: 37.3/38

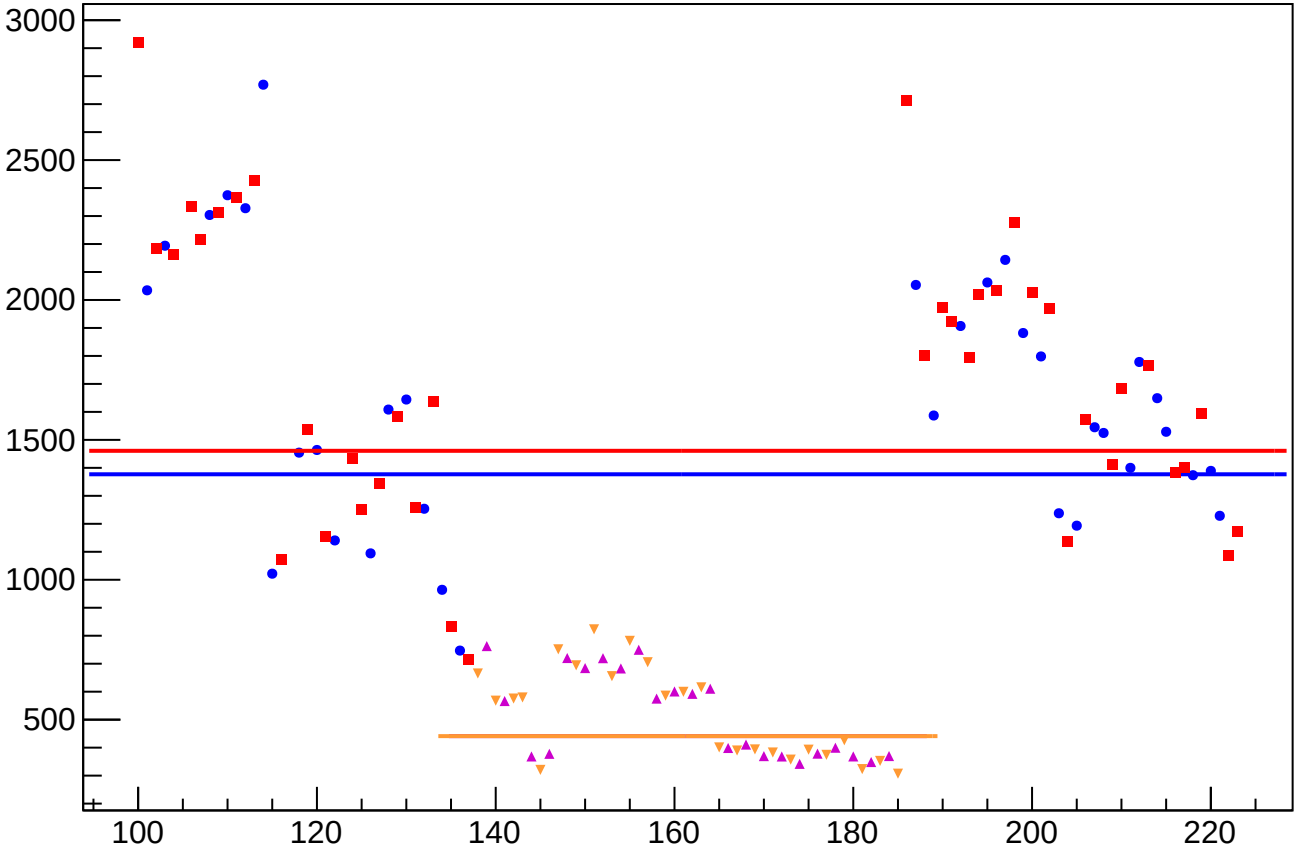
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -424.402+/-99.539 χ^2/NDF: 111.5/58

All: -279.350+/-71.251 χ^2/NDF: 198.0/120

- sign -126.929+/-102.036 χ^2/NDF: 82.1/61

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1377.020+/-0.217 χ^2/NDF: 3464880.7/33

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1460.898+/-0.226 χ^2/NDF: 3686677.7/38

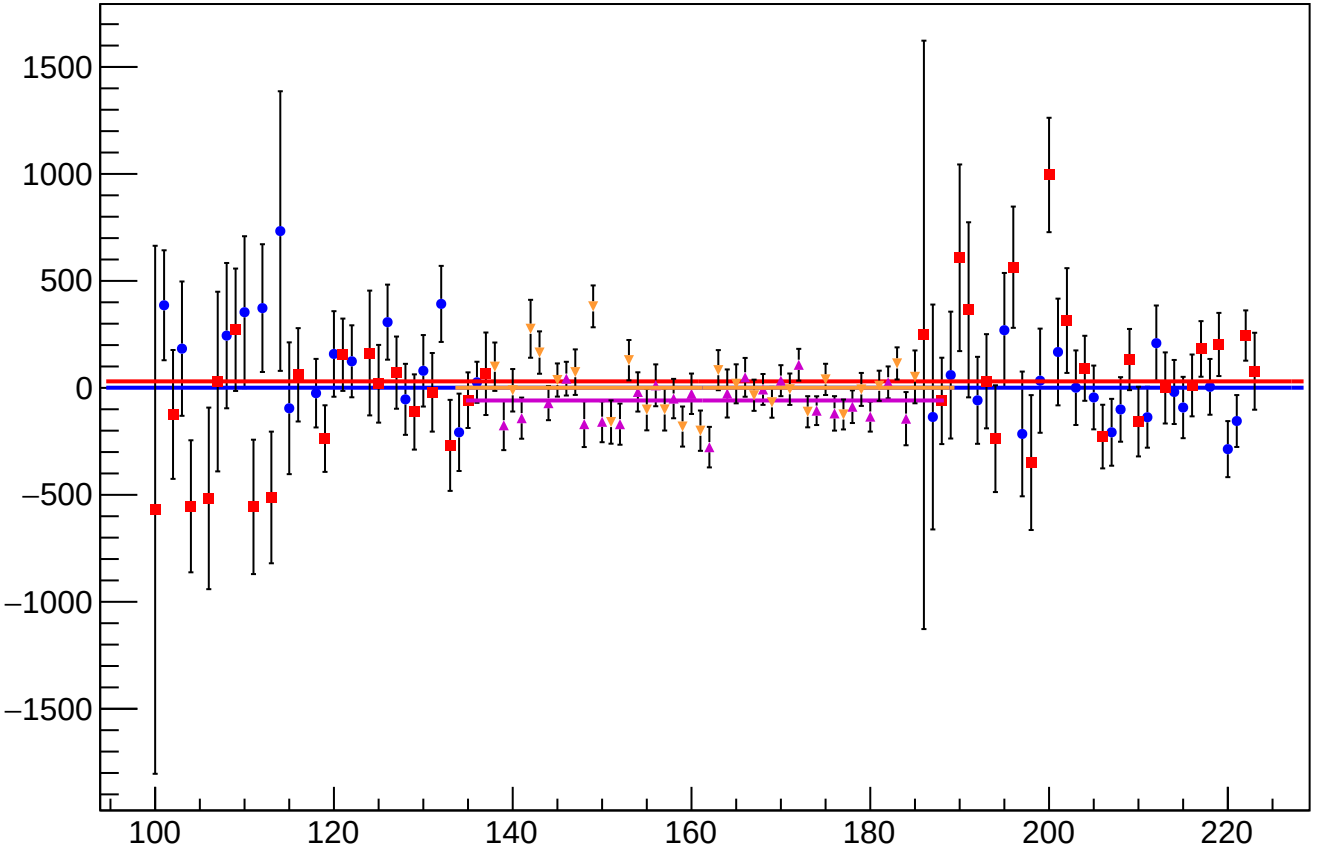
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 539.646+/-0.070 χ^2/NDF: 23351927.5/58

All: 542.310+/-0.050 χ^2/NDF: 48004335.3/12

- sign 545.111+/-0.072 χ^2/NDF: 24649468.2/61

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 0.744+/-30.694 χ^2/NDF: 31.6/33

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 30.424+/-31.546 χ^2/NDF: 54.4/38

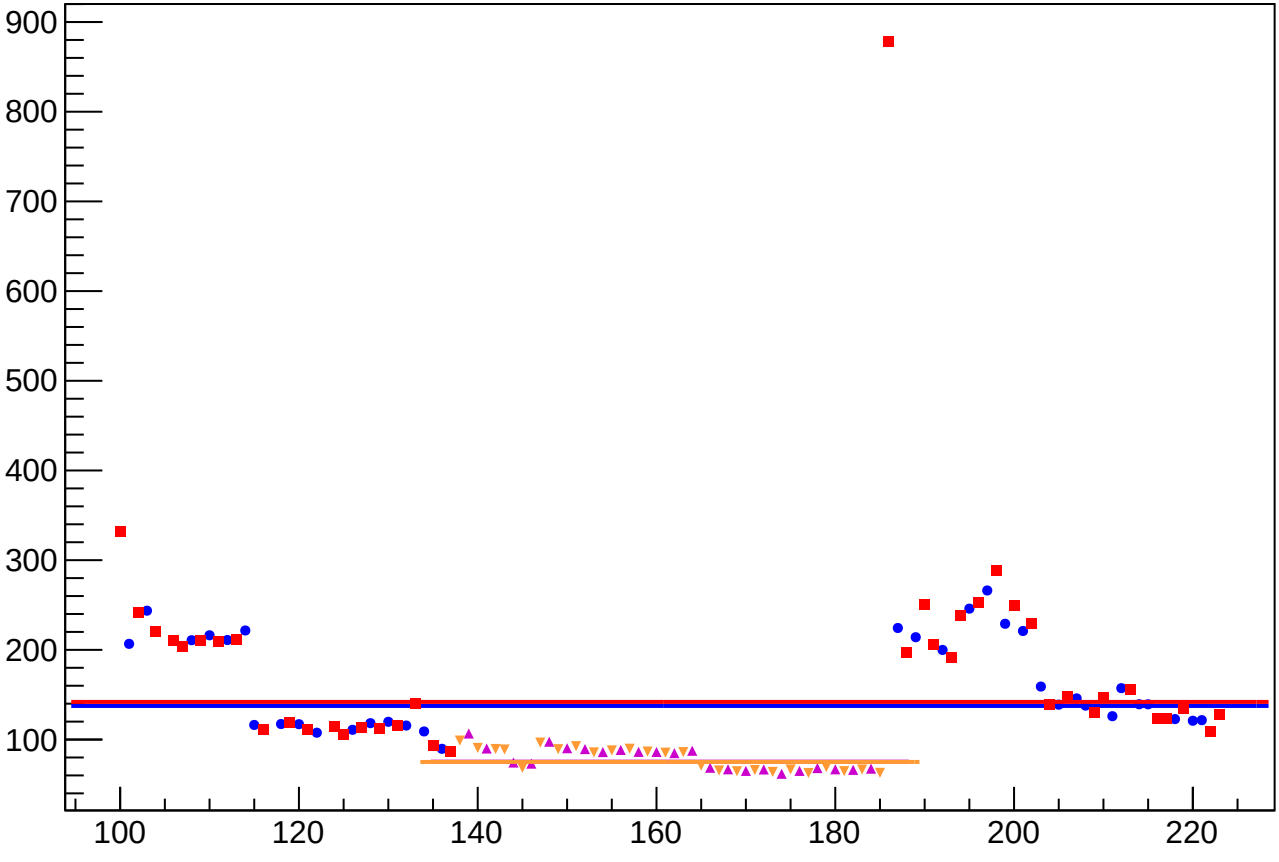
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 0.633+/-15.084 χ^2/NDF: 80.2/58

All: -17.696+/-10.828 χ^2/NDF: 169.5/120

- sign -37.187+/-15.555 χ^2/NDF: 86.3/61

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 137.461+/-0.022 χ^2/NDF: 3287012.8/33

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

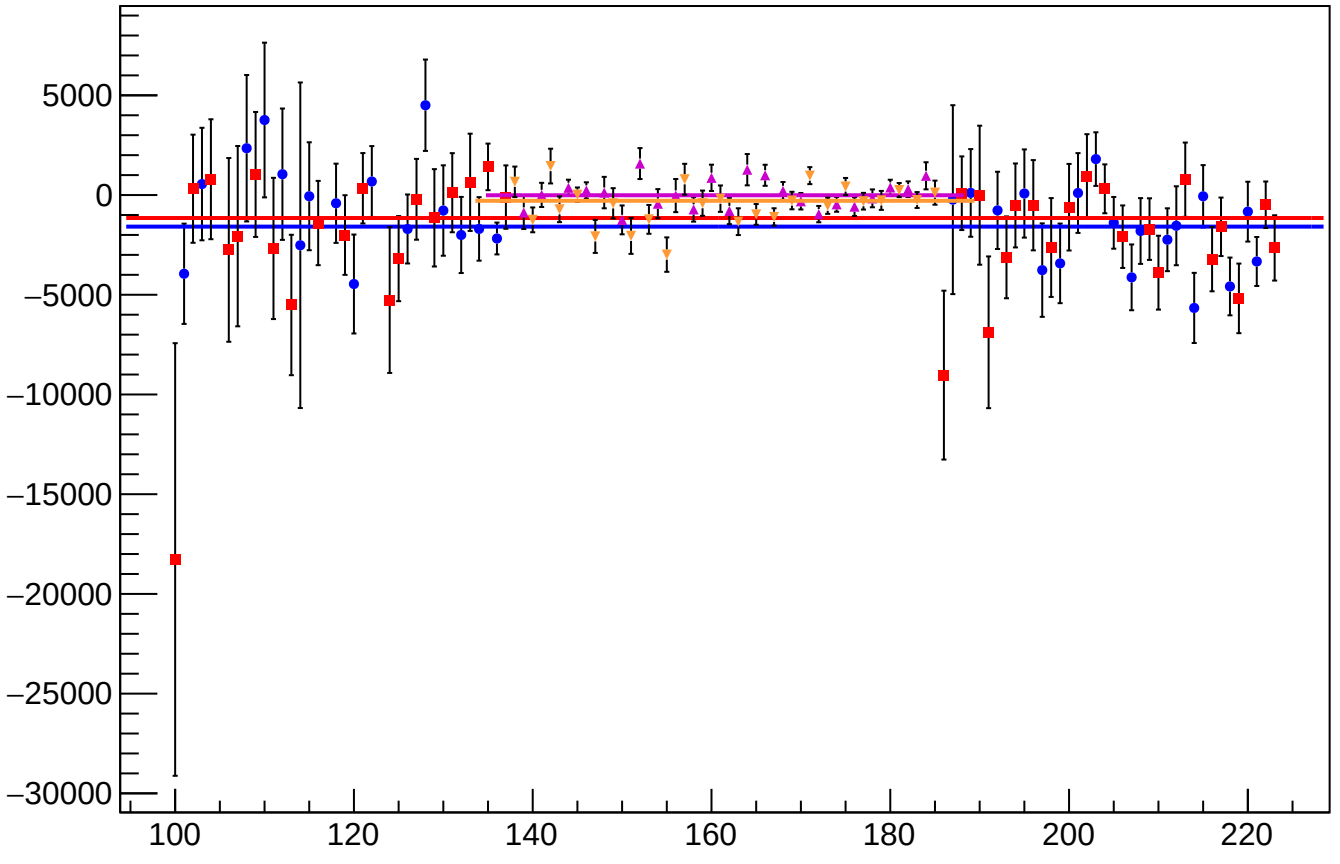
Right Out: 141.977+/-0.022 χ^2/NDF: 4544042.1/38

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 90.115+/-0.011 χ^2/NDF: 10488619.9/58

All: 90.810+/-0.008 χ^2/NDF: 22631049.3/120

- sign 91.550+/-0.011 χ^2/NDF: 12133660.3/61



Right In: -1583.122+/-306.795 χ^2/NDF: 42.3/33

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

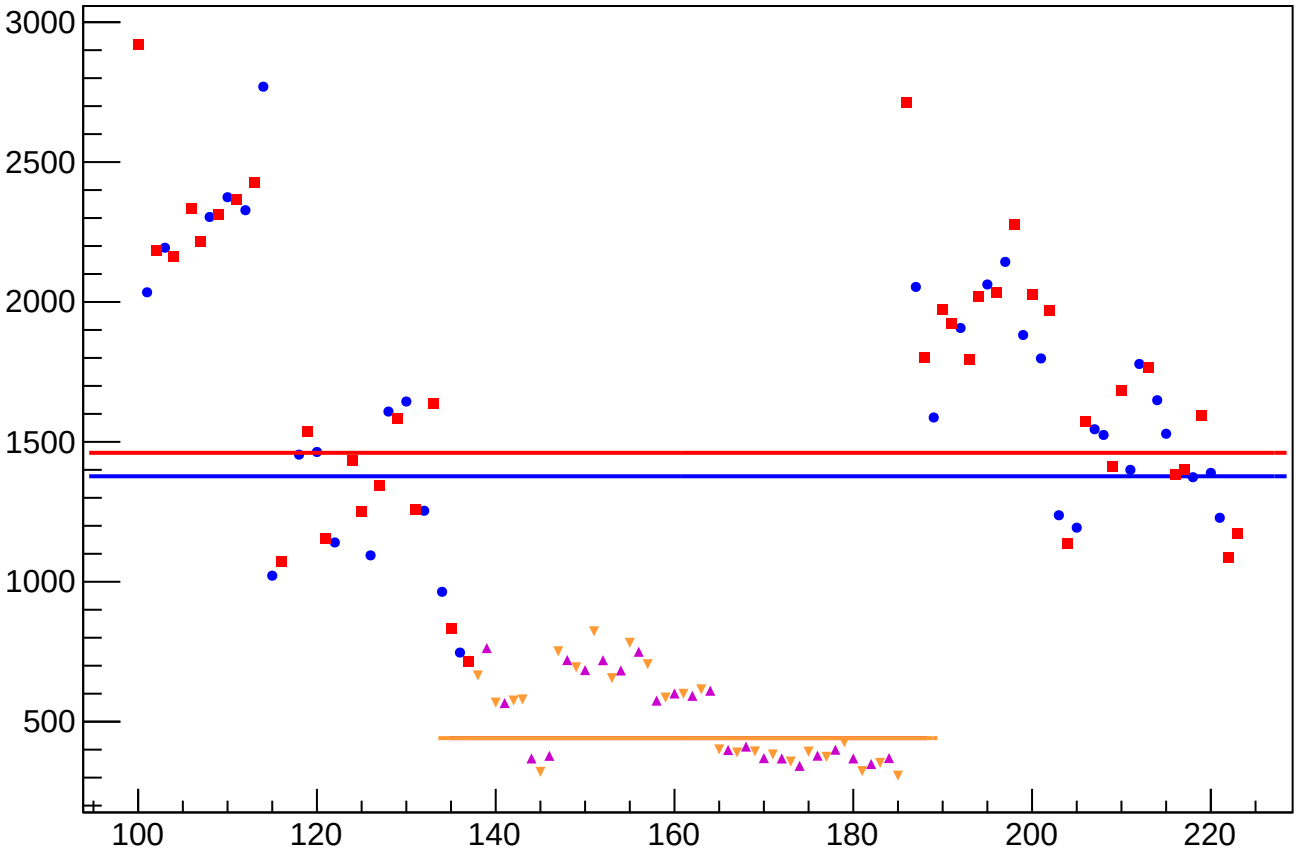
Right Out: -1151.732+/-319.633 χ^2/NDF: 37.3/38

Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -424.402+/-99.539 χ^2/NDF: 111.5/58

All: -279.350+/-71.251 χ^2/NDF: 198.0/120

- sign -126.929+/-102.036 χ^2/NDF: 82.1/61



Right In: 1377.020+/-0.217 χ^2/NDF: 3464880.7/33

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1460.898+/-0.226 χ^2/NDF: 3686677.7/38

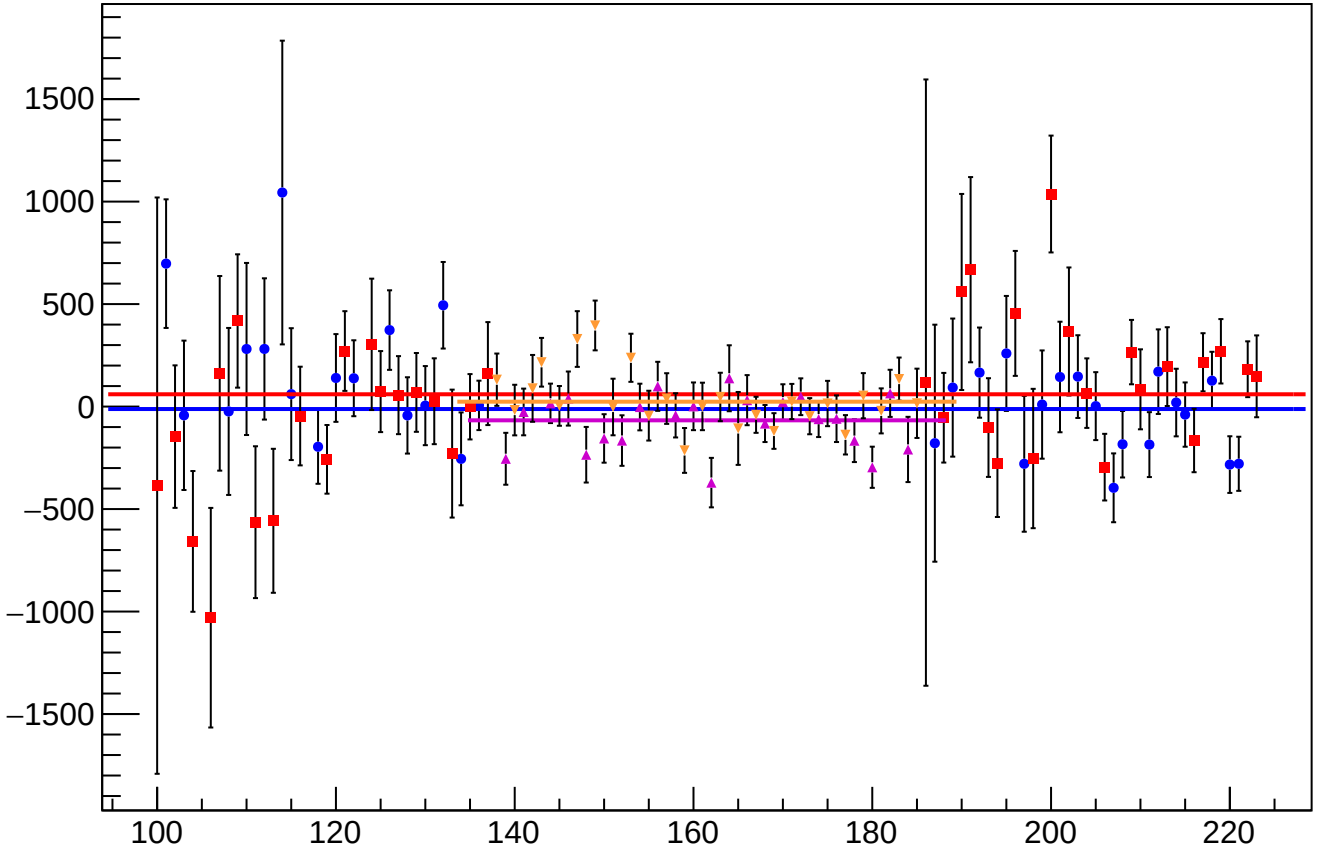
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 539.646+/-0.070 χ^2/NDF: 23351927.5/58

All: 542.310+/-0.050 χ^2/NDF: 48004335.3/12

- sign 545.111+/-0.072 χ^2/NDF: 24649468.2/61

dit_asym_sam_26_avg_mean vs Slug



Right In: -11.972+/-34.471 χ^2/NDF: 42.2/33

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 60.025+/-35.590 χ^2/NDF: 56.5/38

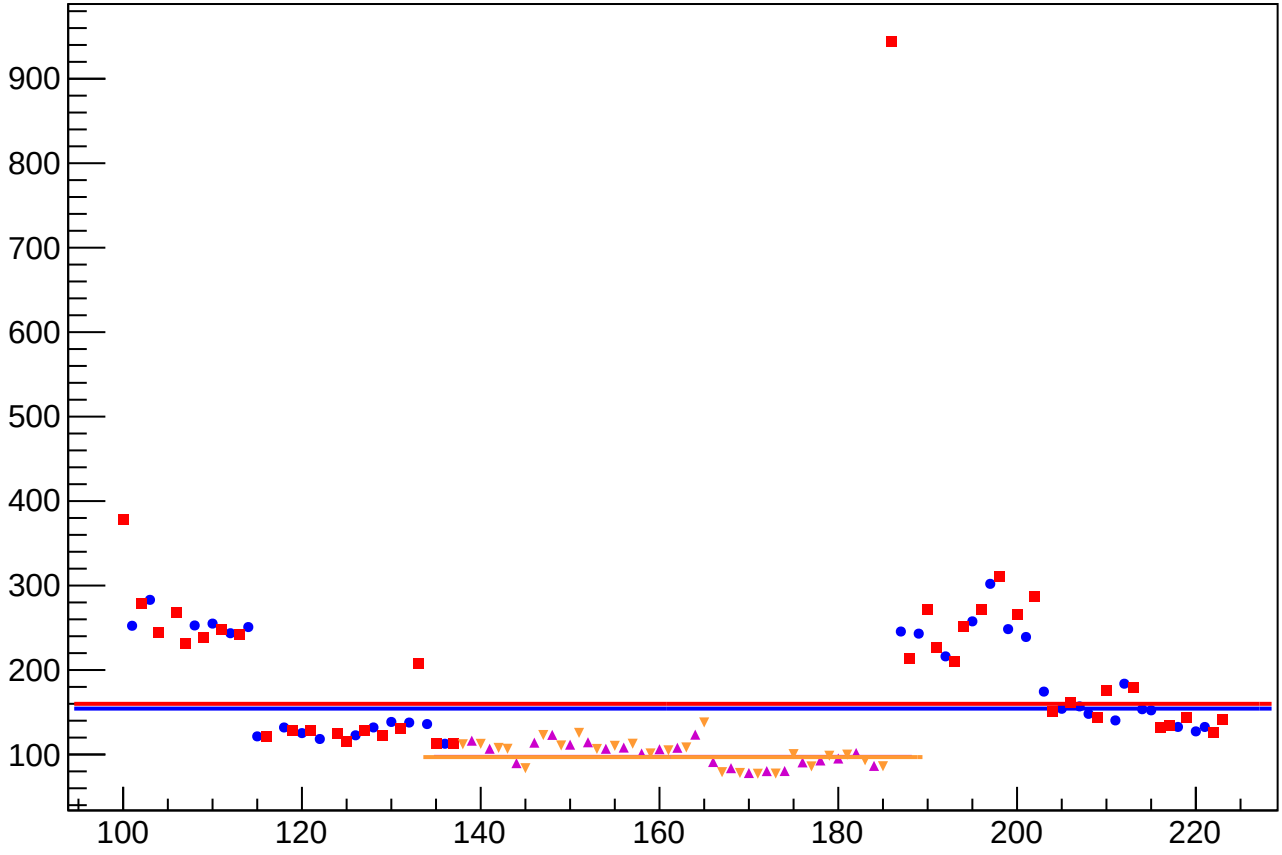
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 13.222+/-18.791 χ^2/NDF: 78.1/58

All: -7.403+/-13.494 χ^2/NDF: 174.8/120

- sign -29.361+/-19.389 χ^2/NDF: 94.1/61

dit_asym_sam_26_avg_rms vs Slug



Right In: 154.320+/-0.024 χ^2/NDF: 3092404.3/33

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

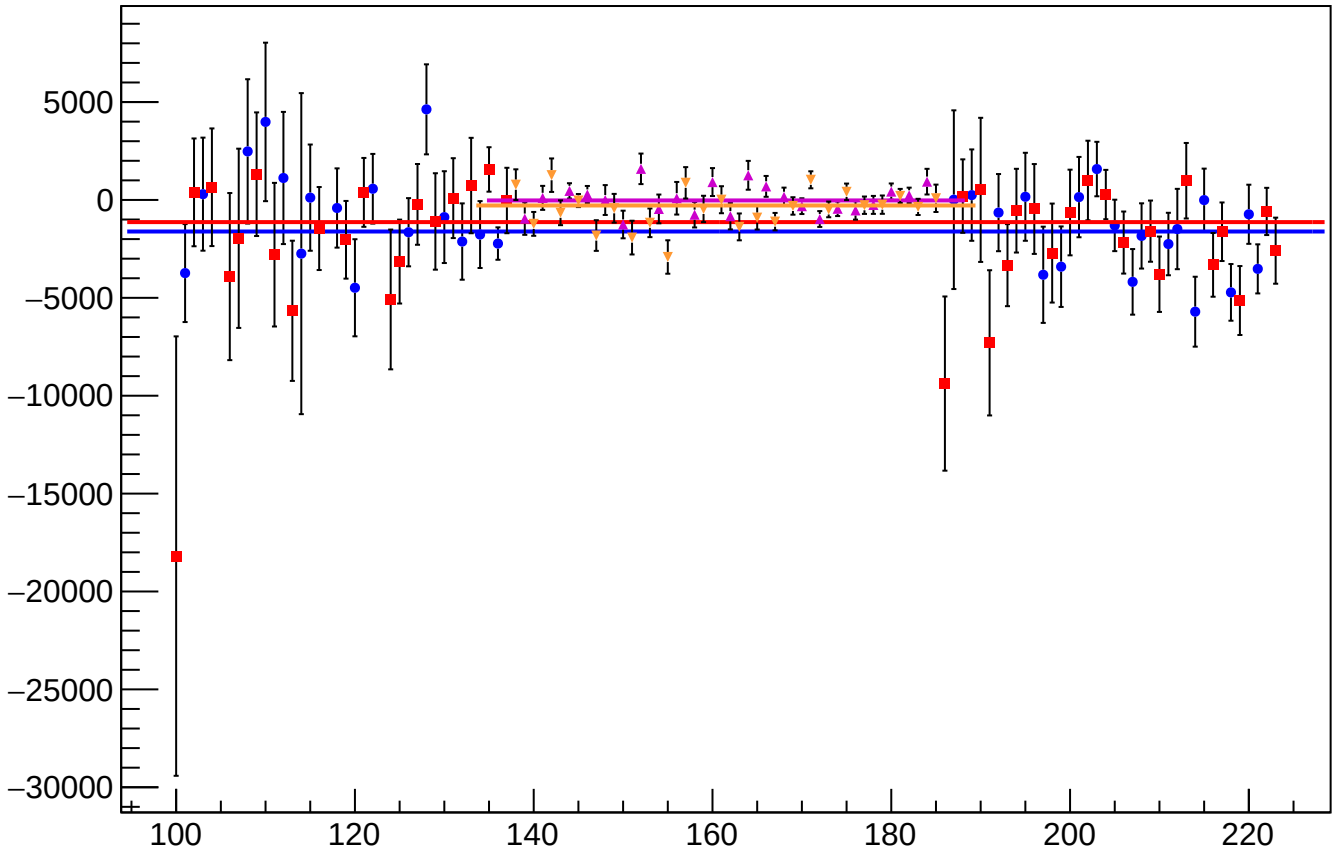
Right Out: 159.976+/-0.025 χ^2/NDF: 4408945.4/38

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 113.968+/-0.013 χ^2/NDF: 7925659.2/58

All: 114.859+/-0.010 χ^2/NDF: 17398672.7/12

- sign 115.808+/-0.014 χ^2/NDF: 9463723.2/61



Right In: -1612.145+/-313.666 χ^2/NDF: 42.0/33

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -1131.609+/-323.914 χ^2/NDF: 38.7/38

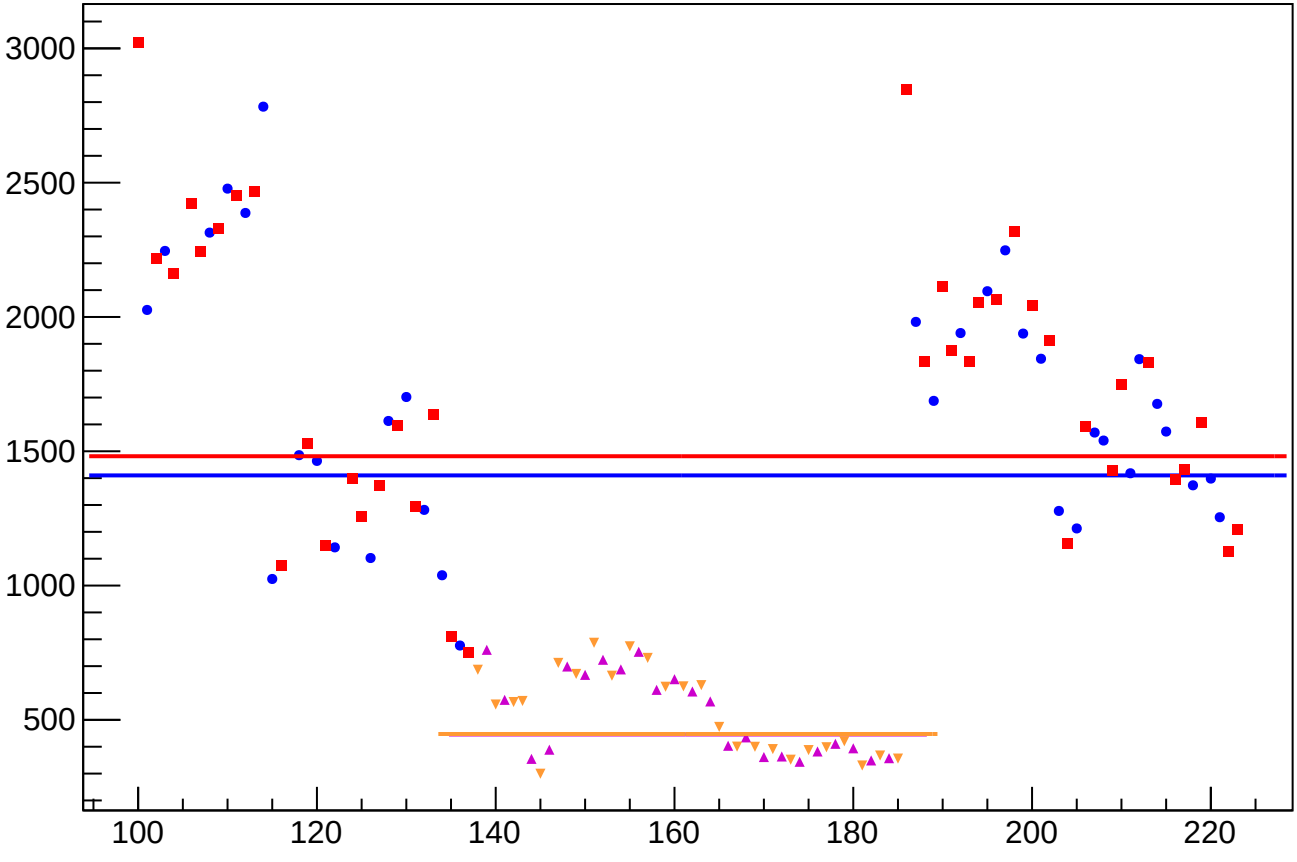
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -419.626+/-100.756 χ^2/NDF: 108.5/58

All: -281.717+/-72.097 χ^2/NDF: 194.5/120

- sign -137.012+/-103.209 χ^2/NDF: 82.2/61

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1410.149+/-0.222 χ^2/NDF: 3369487.6/33

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1481.545+/-0.229 χ^2/NDF: 3758258.6/38

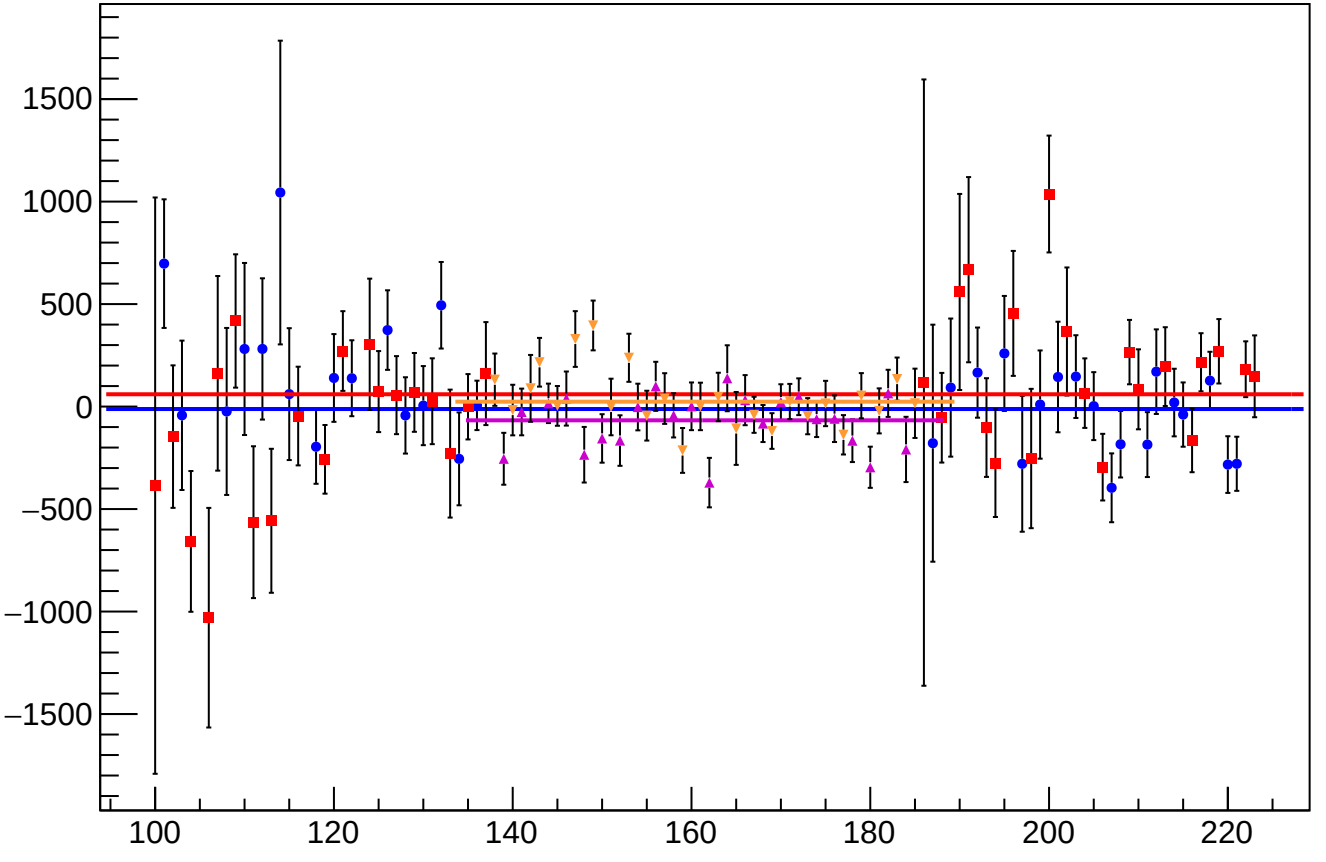
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 546.726+/-0.071 χ^2/NDF: 23465357.1/58

All: 548.654+/-0.051 χ^2/NDF: 48322524.9/12

- sign 550.677+/-0.073 χ^2/NDF: 24855667.3/61

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: -11.968+/-34.471 χ^2/NDF: 42.2/33

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 60.025+/-35.590 χ^2/NDF: 56.5/38

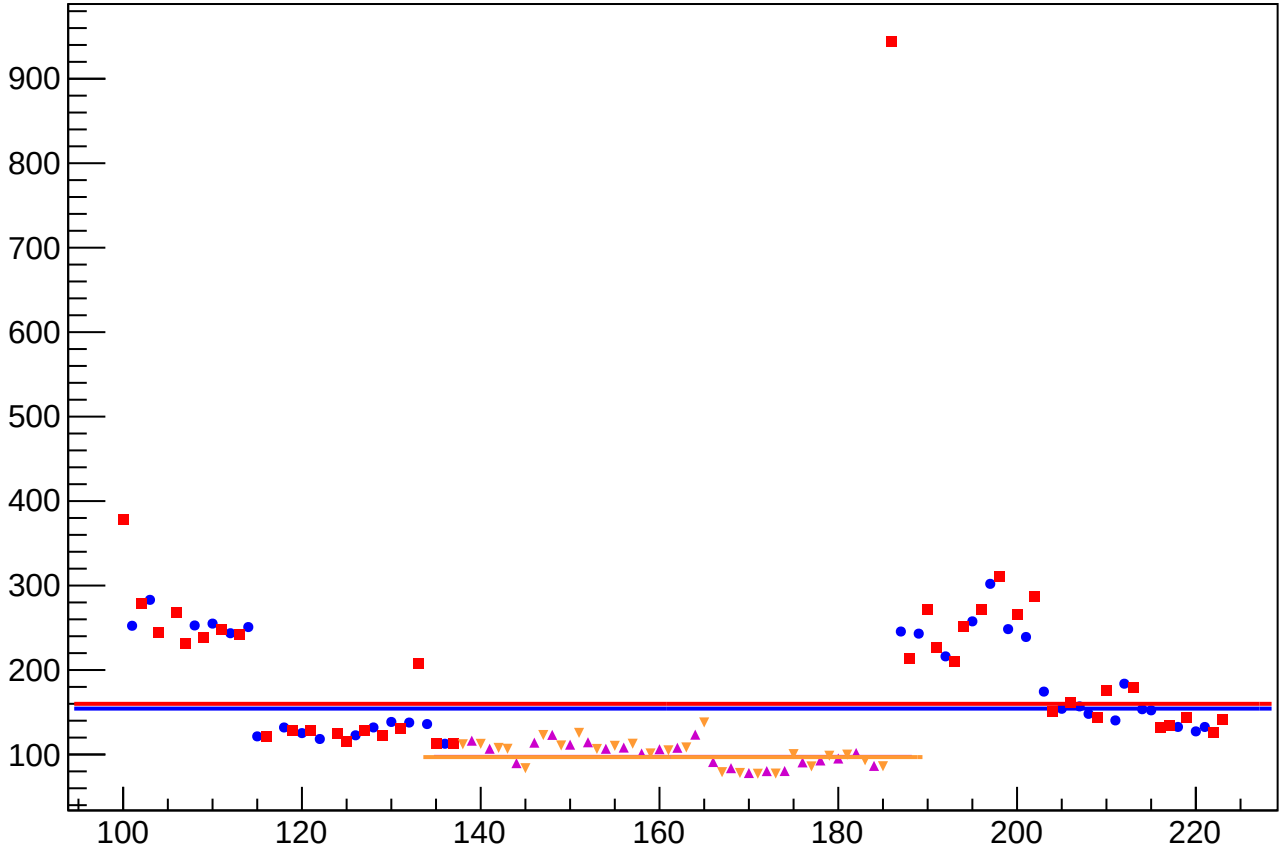
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 13.222+/-18.791 χ^2/NDF: 78.1/58

All: -7.403+/-13.494 χ^2/NDF: 174.7/120

- sign -29.361+/-19.389 χ^2/NDF: 94.1/61

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 154.319+/-0.024 χ^2/NDF: 3092412.2/33

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

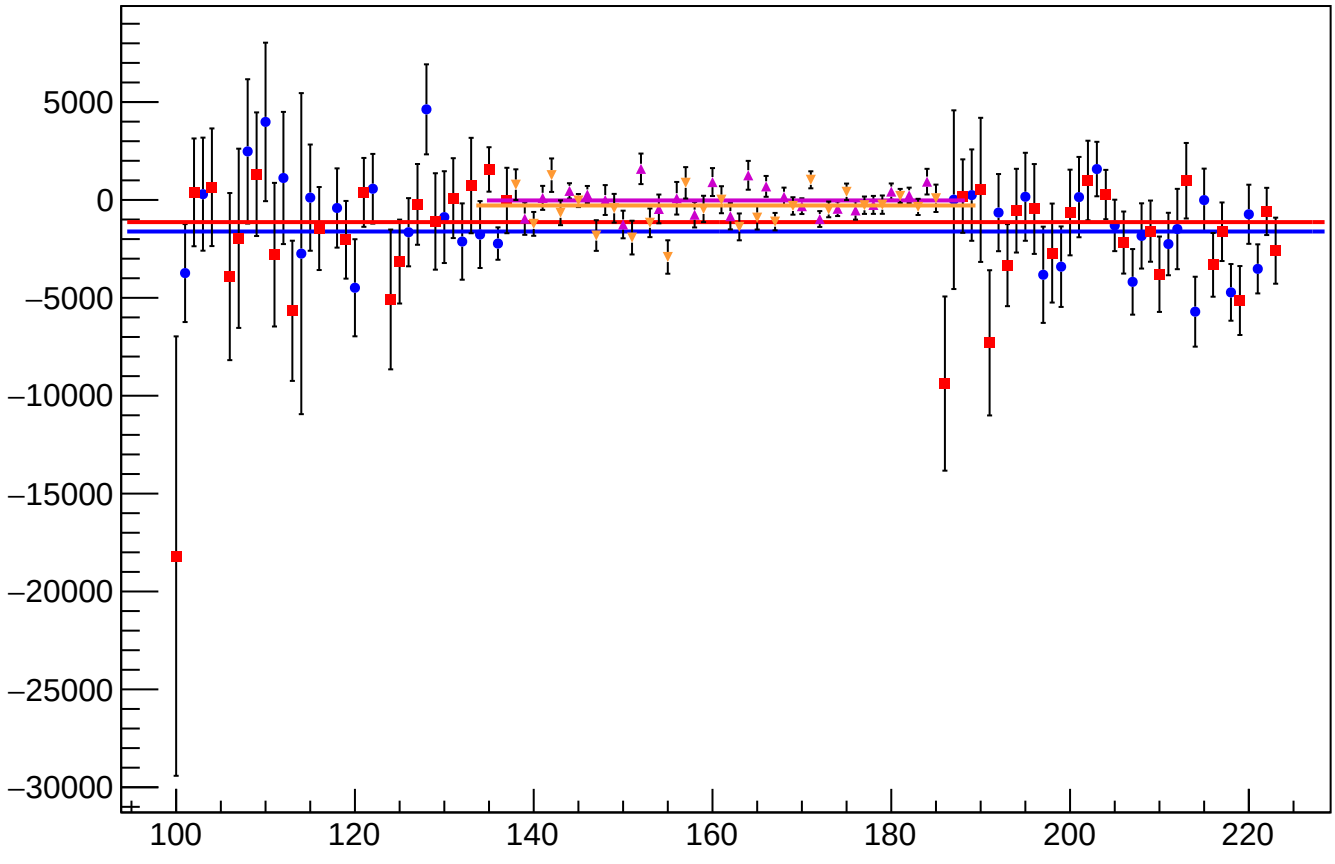
Right Out: 159.975+/-0.025 χ^2/NDF: 4408943.5/38

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 113.968+/-0.013 χ^2/NDF: 7925585.5/58

All: 114.859+/-0.010 χ^2/NDF: 17398512.0/12

- sign 115.808+/-0.014 χ^2/NDF: 9463634.9/61



Right In: -1612.143+/-313.666 χ^2/NDF: 42.0/33

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -1131.609+/-323.914 χ^2/NDF: 38.7/38

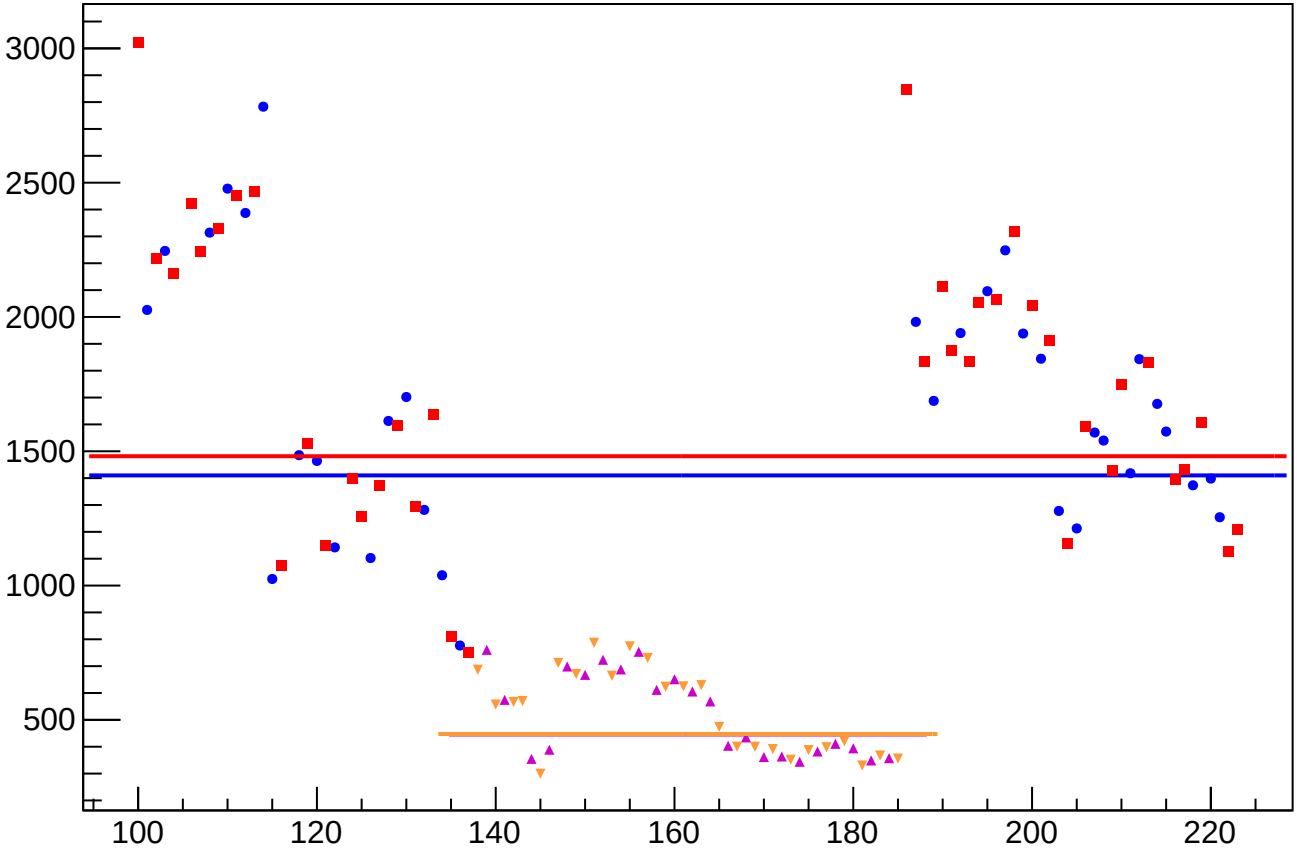
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -419.625+/-100.756 χ^2/NDF: 108.5/58

All: -281.717+/-72.097 χ^2/NDF: 194.5/120

- sign -137.012+/-103.208 χ^2/NDF: 82.2/61

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1410.148+/-0.222 χ^2/NDF: 3369468.6/33

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1481.546+/-0.229 χ^2/NDF: 3758237.3/38

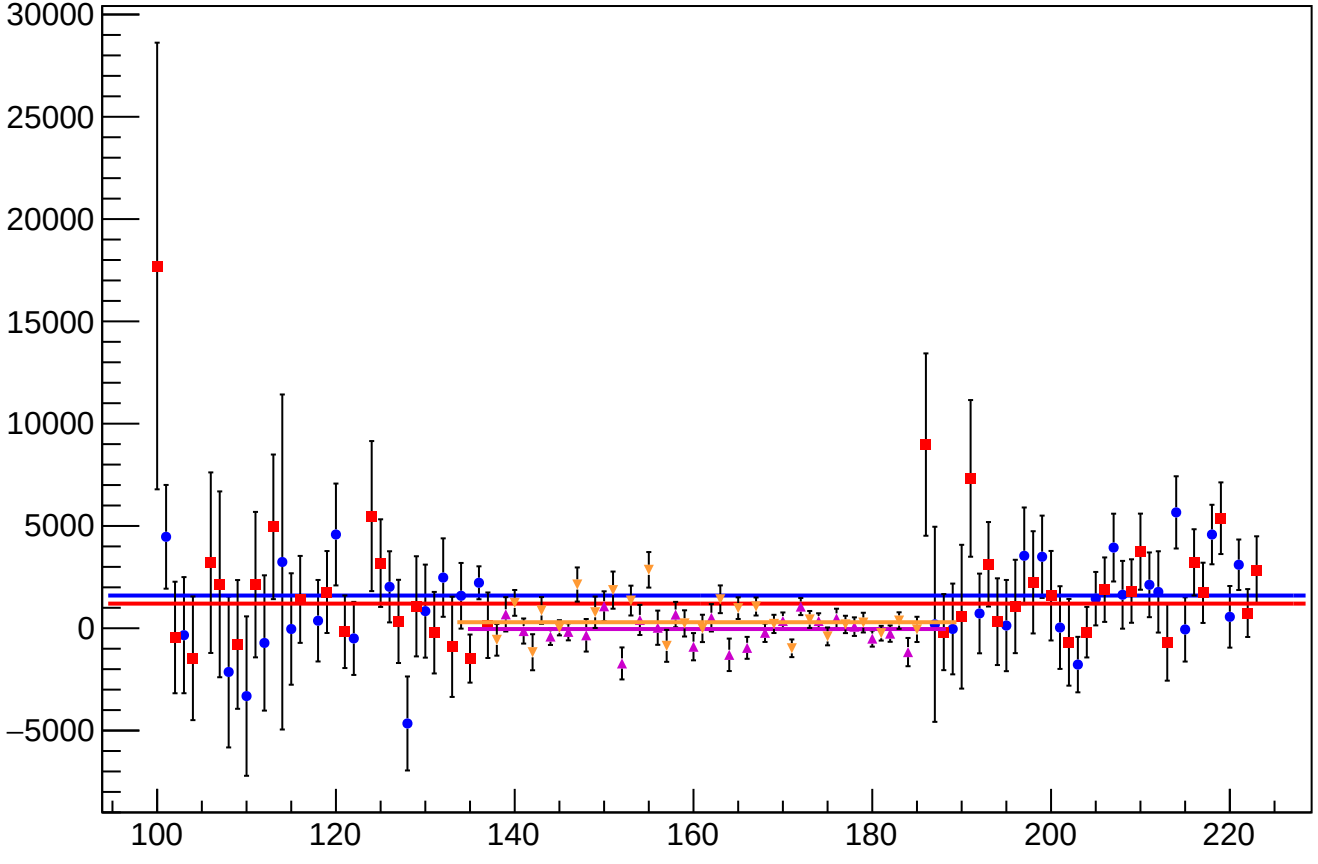
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 546.725+/-0.071 χ^2/NDF: 23465383.3/58

All: 548.653+/-0.051 χ^2/NDF: 48322568.6/12

- sign 550.676+/-0.073 χ^2/NDF: 24855684.6/61

asym_sam_26_avg_mean vs Slug



Right In: 1598.997+/-308.673 χ^2/NDF: 41.2/33

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 1204.365+/-321.420 χ^2/NDF: 36.5/38

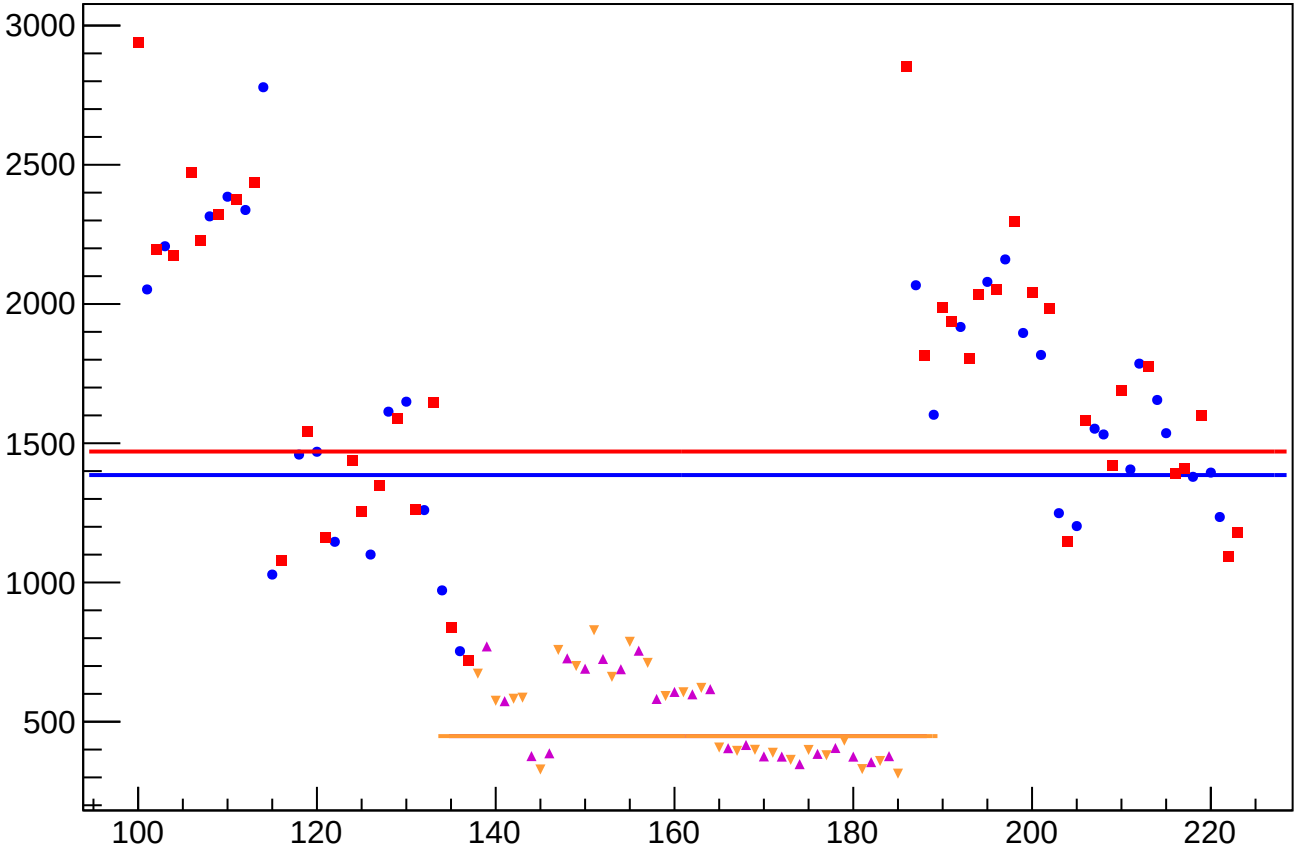
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 434.445+/-100.938 χ^2/NDF: 107.6/58

All: 266.874+/-72.260 χ^2/NDF: 196.2/120

- sign 90.709+/-103.494 χ^2/NDF: 82.9/61

asym_sam_26_avg_rms vs Slug



Right In: 1385.755+/-0.218 χ^2/NDF: 3449801.5/33

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

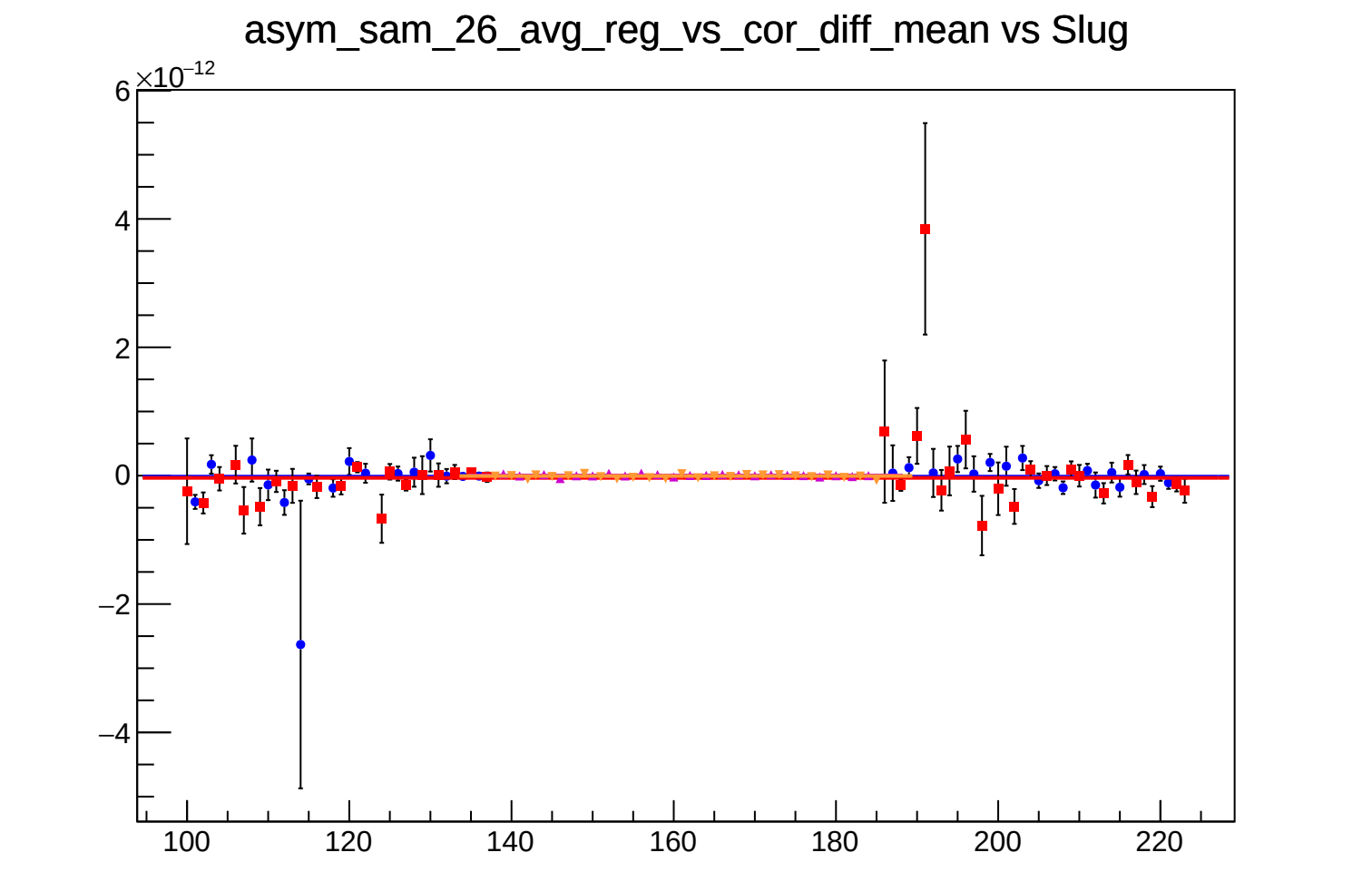
Right Out: 1470.252+/-0.227 χ^2/NDF: 3735675.5/38

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 548.525+/-0.071 χ^2/NDF: 23082155.3/58

All: 551.359+/-0.051 χ^2/NDF: 47560510.9/12

- sign 554.340+/-0.073 χ^2/NDF: 24475119.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

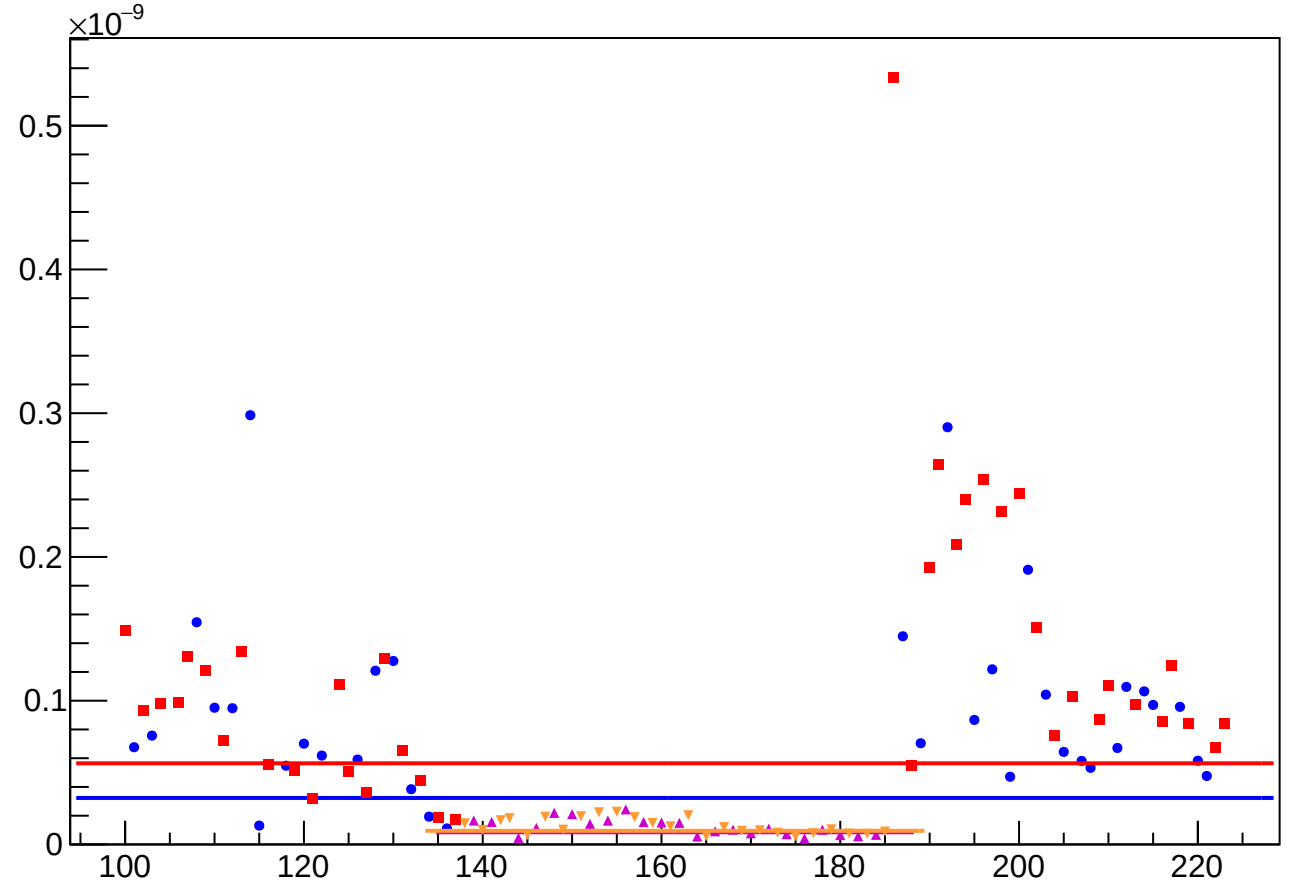
Right Out: -0.000+/-0.000 χ^2/NDF: 55.2/38

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.8/58

All: -0.000+/-0.000 χ^2/NDF: 142.8/120

- sign 0.000+/-0.000 χ^2/NDF: 74.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 8873330.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6908470.0/38

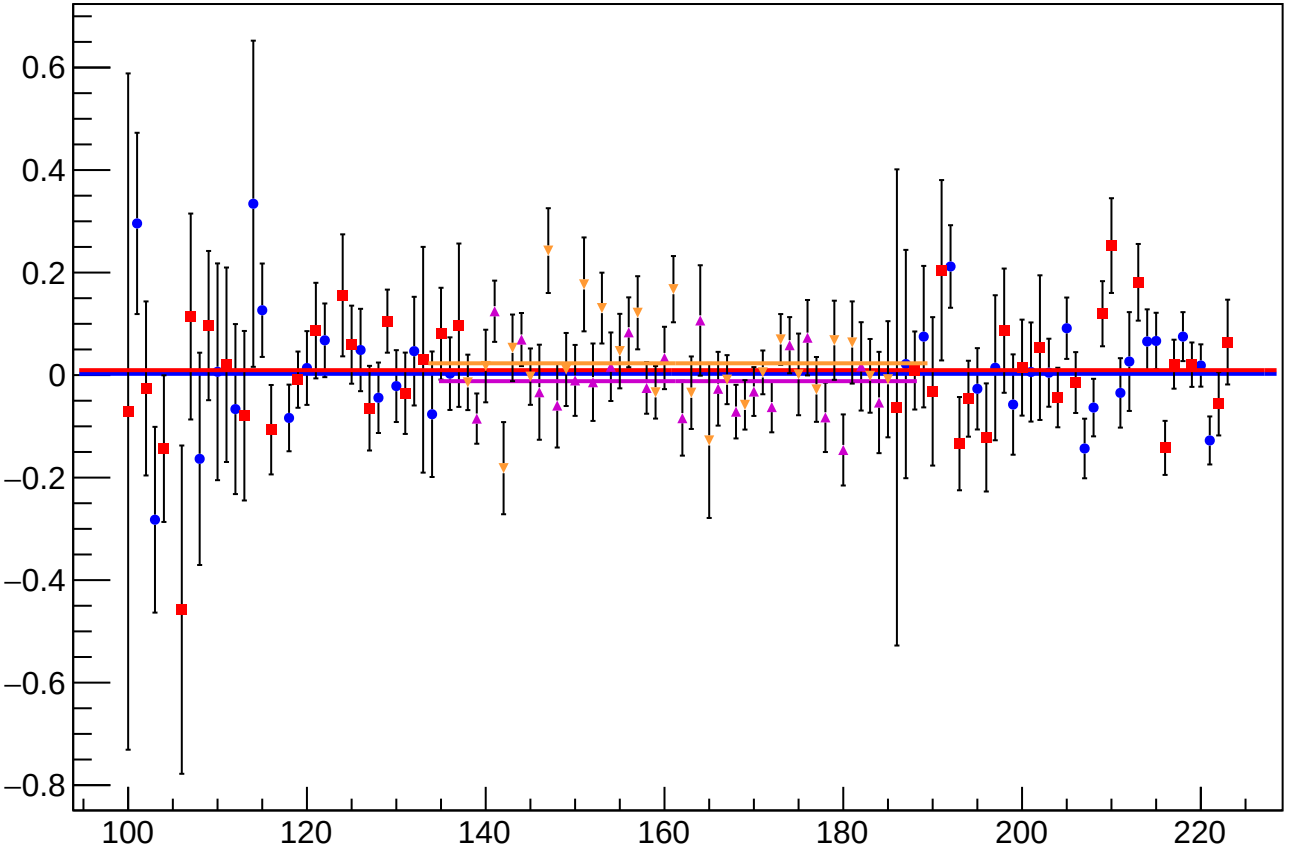
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15281733.9/58

All: 0.000+/-0.000 χ^2/NDF: 33762167.9/120

- sign 0.000+/-0.000 χ^2/NDF: 18403868.6/61

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.013 χ^2/NDF: 43.4/33

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.010+/-0.013 χ^2/NDF: 45.8/38

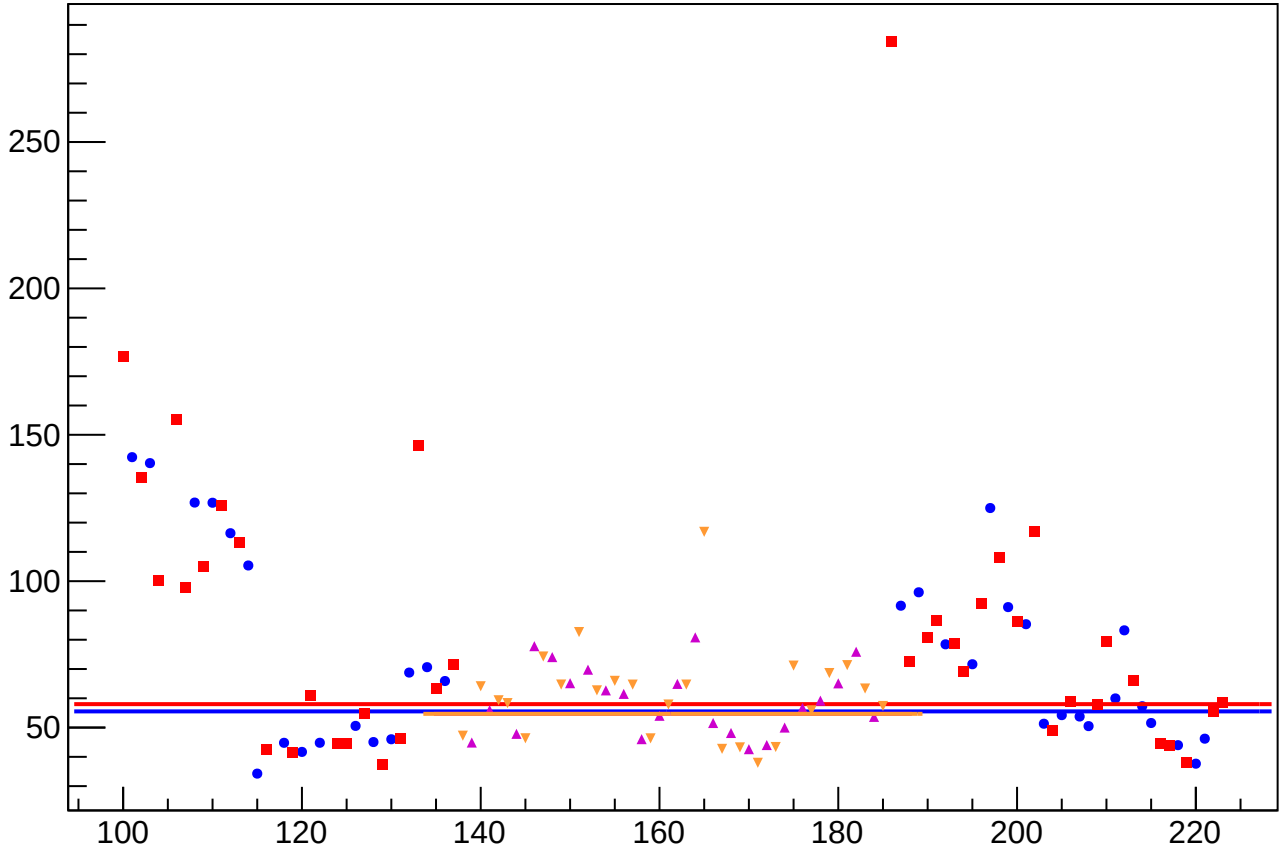
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.009 χ^2/NDF: 78.9/58

All: 0.006+/-0.007 χ^2/NDF: 153.0/120

- sign -0.001+/-0.009 χ^2/NDF: 73.0/61

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.524+/-0.009 χ^2/NDF: 4370642.4/33

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

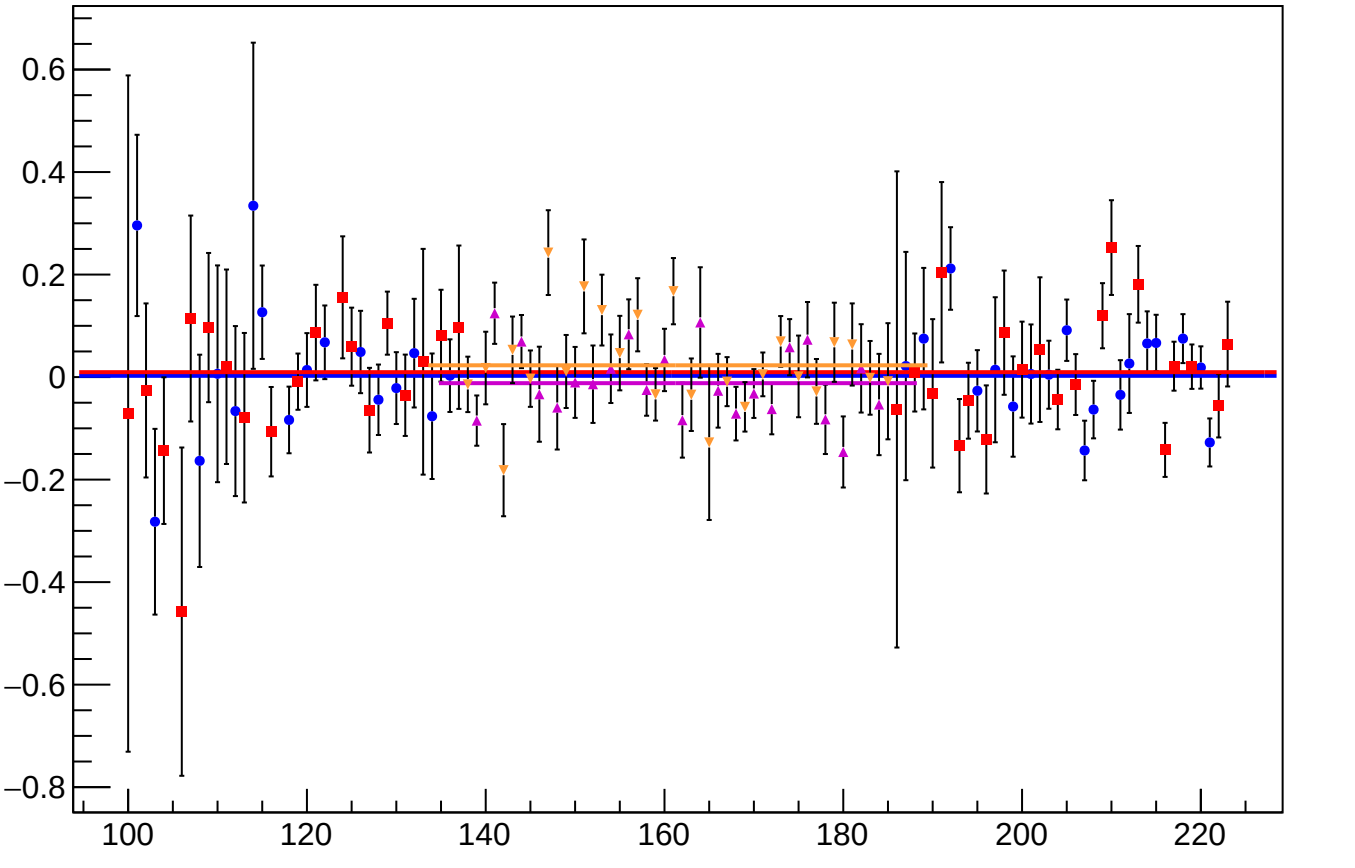
Right Out: 58.004+/-0.009 χ^2/NDF: 5346950.1/38

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.105+/-0.006 χ^2/NDF: 6311401.3/58

All: 55.696+/-0.005 χ^2/NDF: 12928203.9/120

- sign 56.326+/-0.007 χ^2/NDF: 6599517.6/61



Right In: 0.002+/-0.013 χ^2/NDF: 43.4/33

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

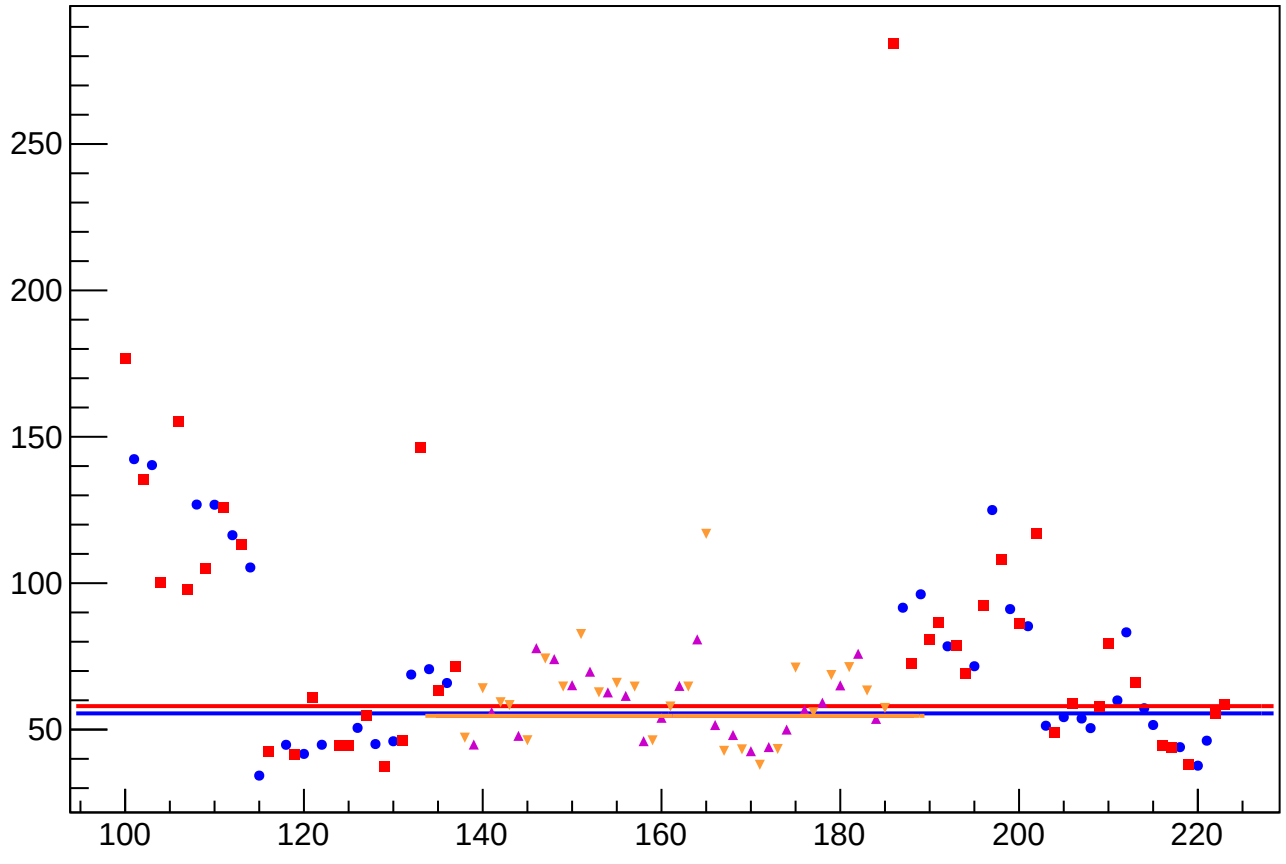
Right Out: 0.010+/-0.013 χ^2/NDF: 45.8/38

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.009 χ^2/NDF: 78.9/58

All: 0.006+/-0.007 χ^2/NDF: 153.0/120

- sign -0.001+/-0.009 χ^2/NDF: 73.0/61



Right In: 55.524+/-0.009 χ^2/NDF: 4370642.4/33

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

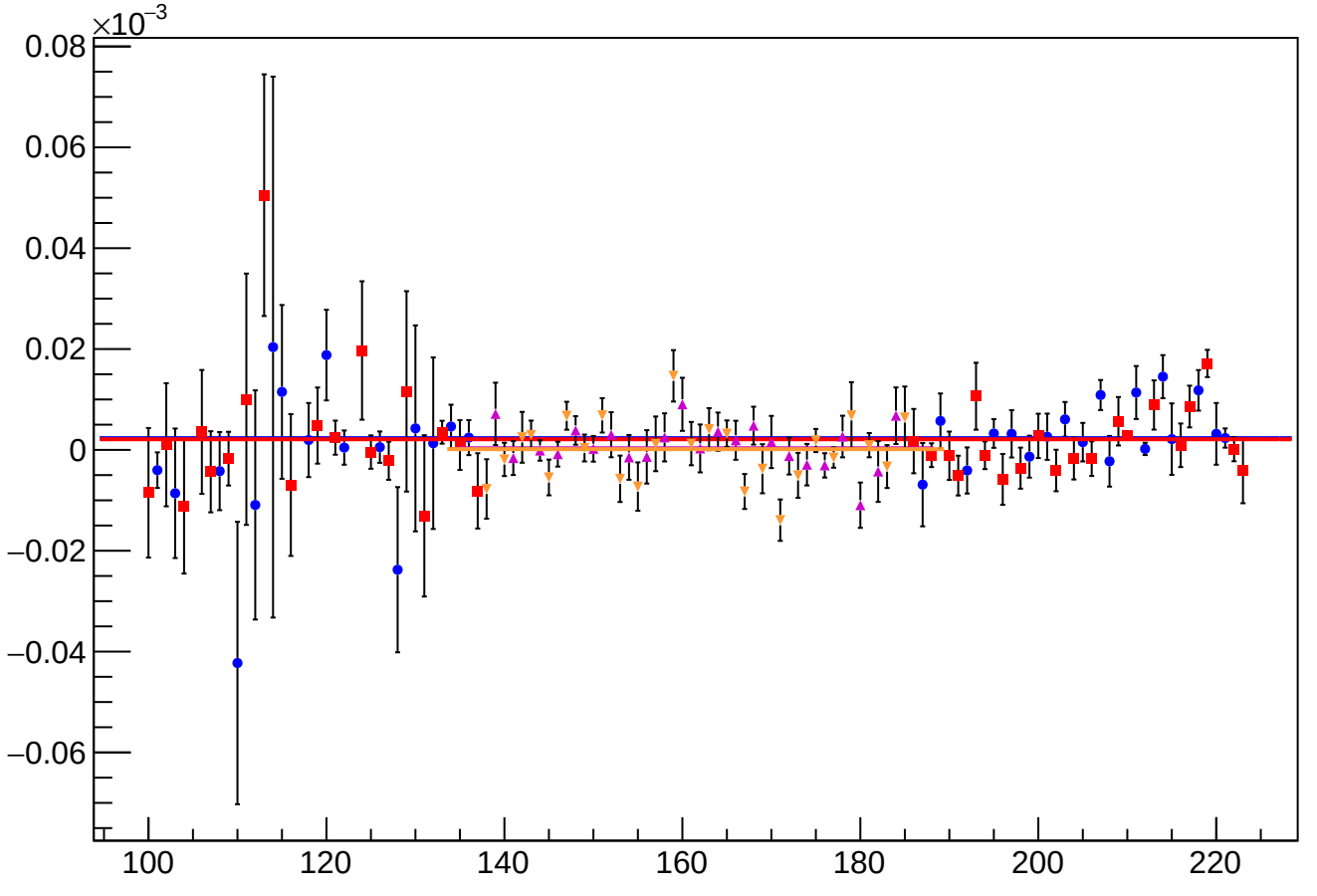
Right Out: 58.004+/-0.009 χ^2/NDF: 5346950.1/38

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.105+/-0.006 χ^2/NDF: 6311401.3/58

All: 55.696+/-0.005 χ^2/NDF: 12928203.9/120

- sign 56.326+/-0.007 χ^2/NDF: 6599517.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 49.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

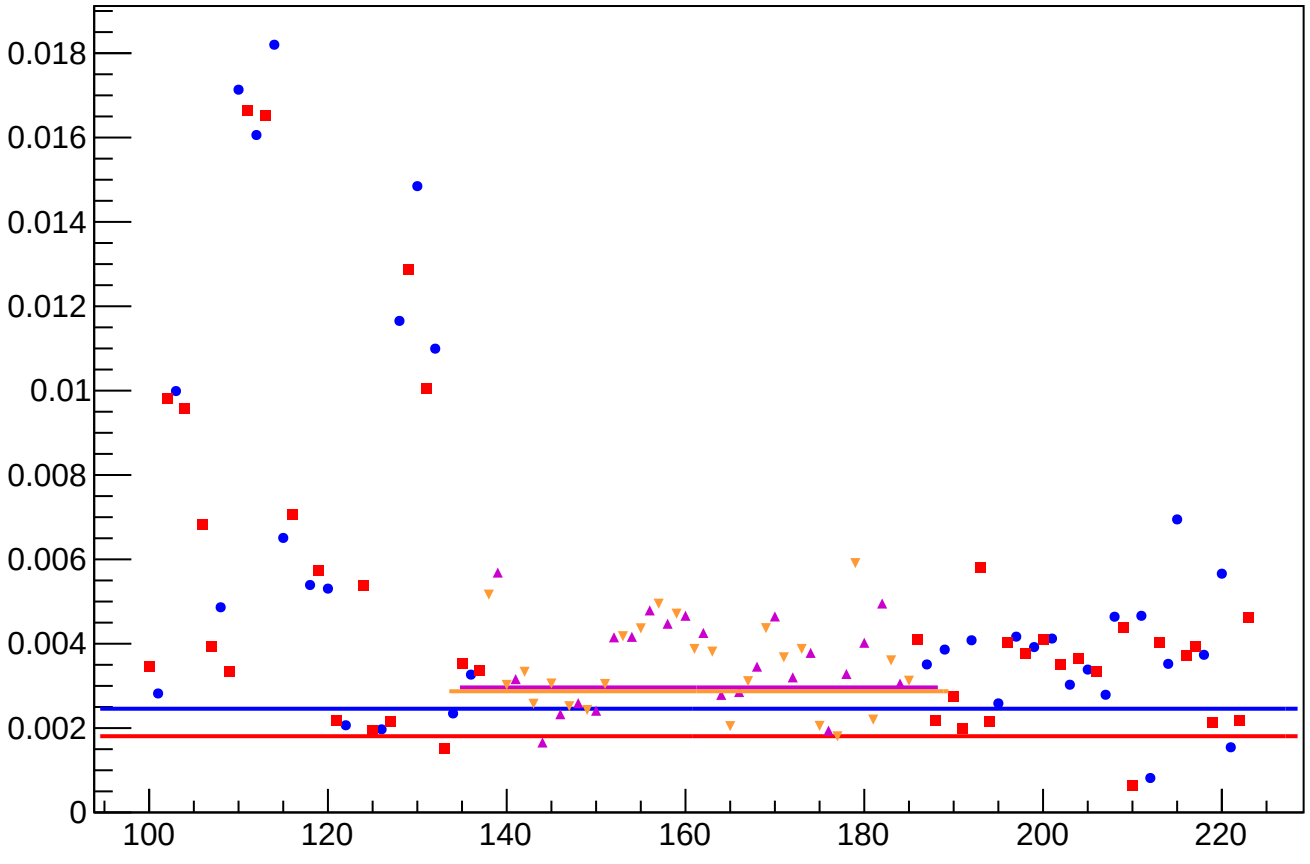
Right Out: 0.000+/-0.000 χ^2/NDF: 70.5/38

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 108.4/58

All: 0.000+/-0.000 χ^2/NDF: 203.7/120

- sign 0.000+/-0.000 χ^2/NDF: 95.1/61



Right In: 0.002+/-0.000 χ^2/NDF: 12940807.0/33

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

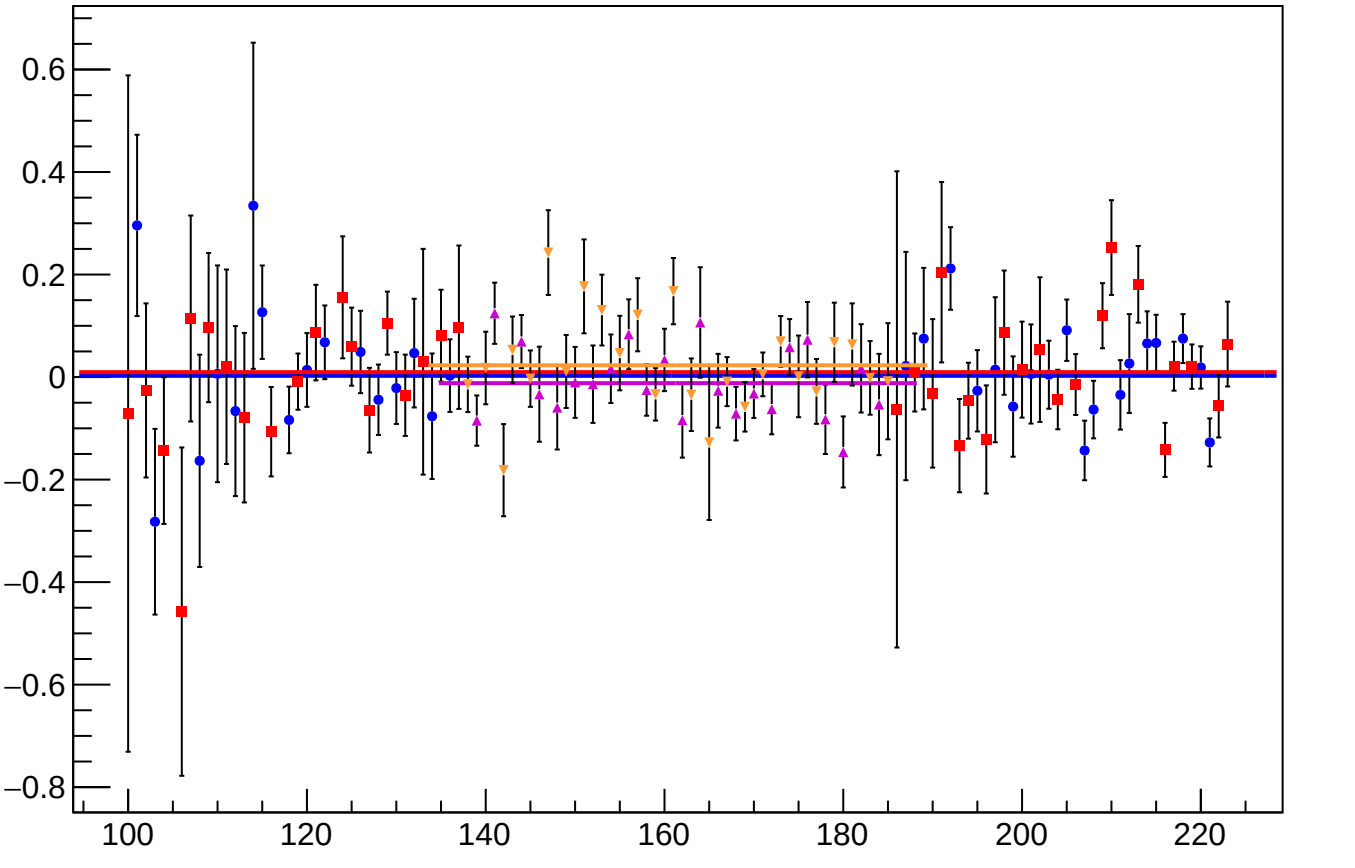
Right Out: 0.002+/-0.000 χ^2/NDF: 17235329.5/38

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 16918795.1/58

All: 0.002+/-0.000 χ^2/NDF: 42161569.6/120

- sign 0.002+/-0.000 χ^2/NDF: 24104441.2/61



Right In: 0.002+/-0.013 χ^2/NDF: 43.4/33

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

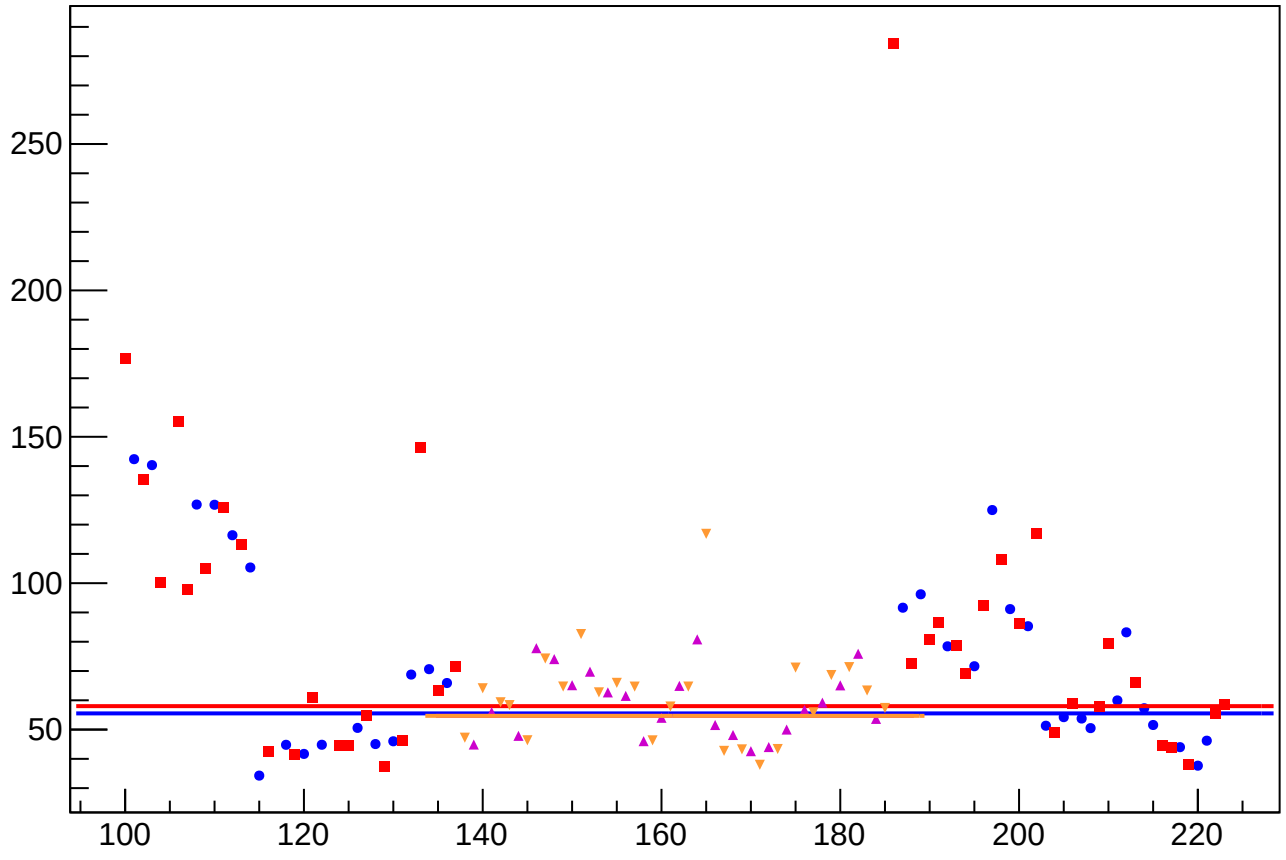
Right Out: 0.010+/-0.013 χ^2/NDF: 45.8/38

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.009 χ^2/NDF: 78.9/58

All: 0.006+/-0.007 χ^2/NDF: 153.0/120

- sign -0.001+/-0.009 χ^2/NDF: 73.0/61



Right In: 55.523+/-0.009 χ^2/NDF: 4370677.9/33

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

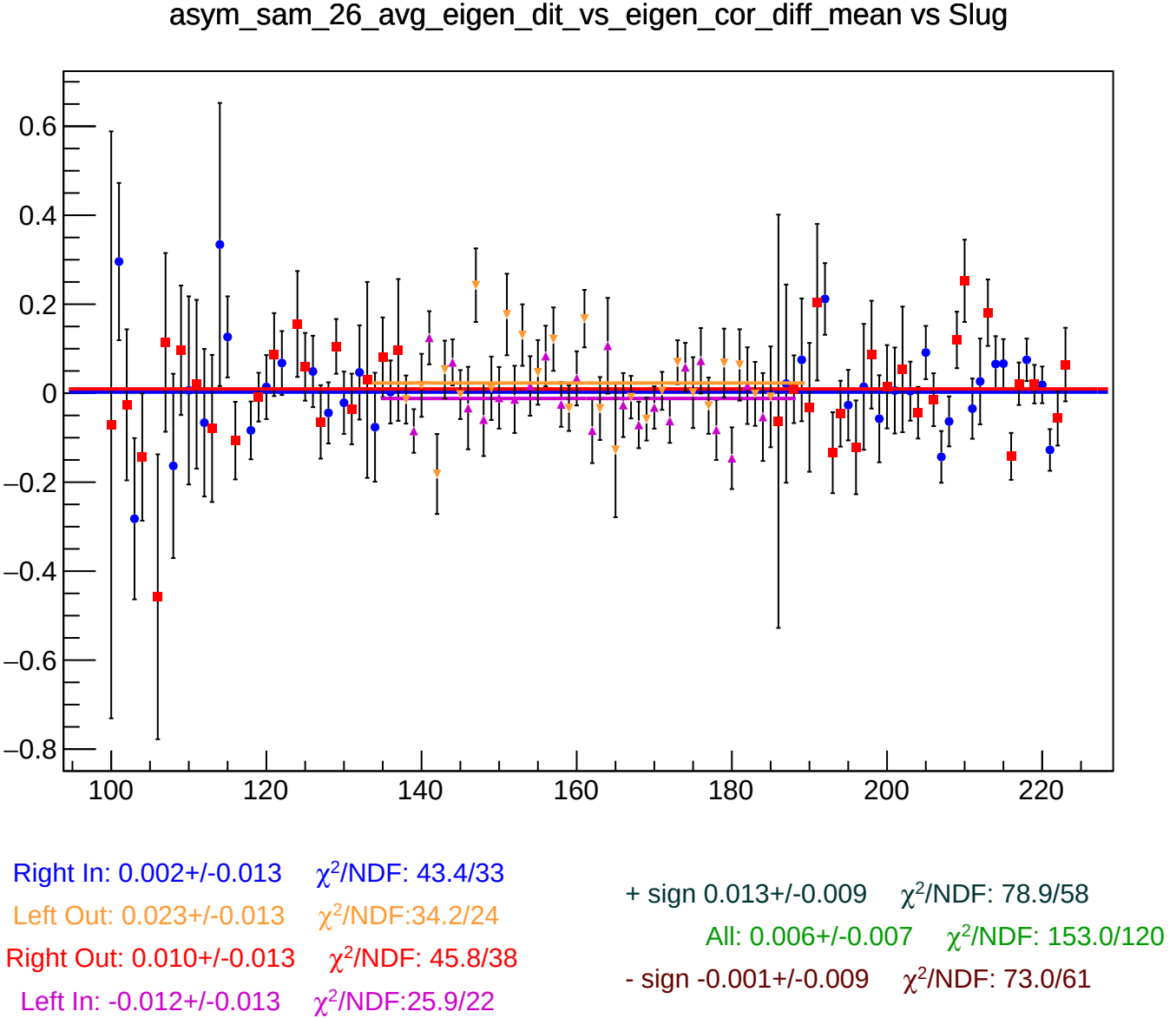
Right Out: 58.003+/-0.009 χ^2/NDF: 5347018.7/38

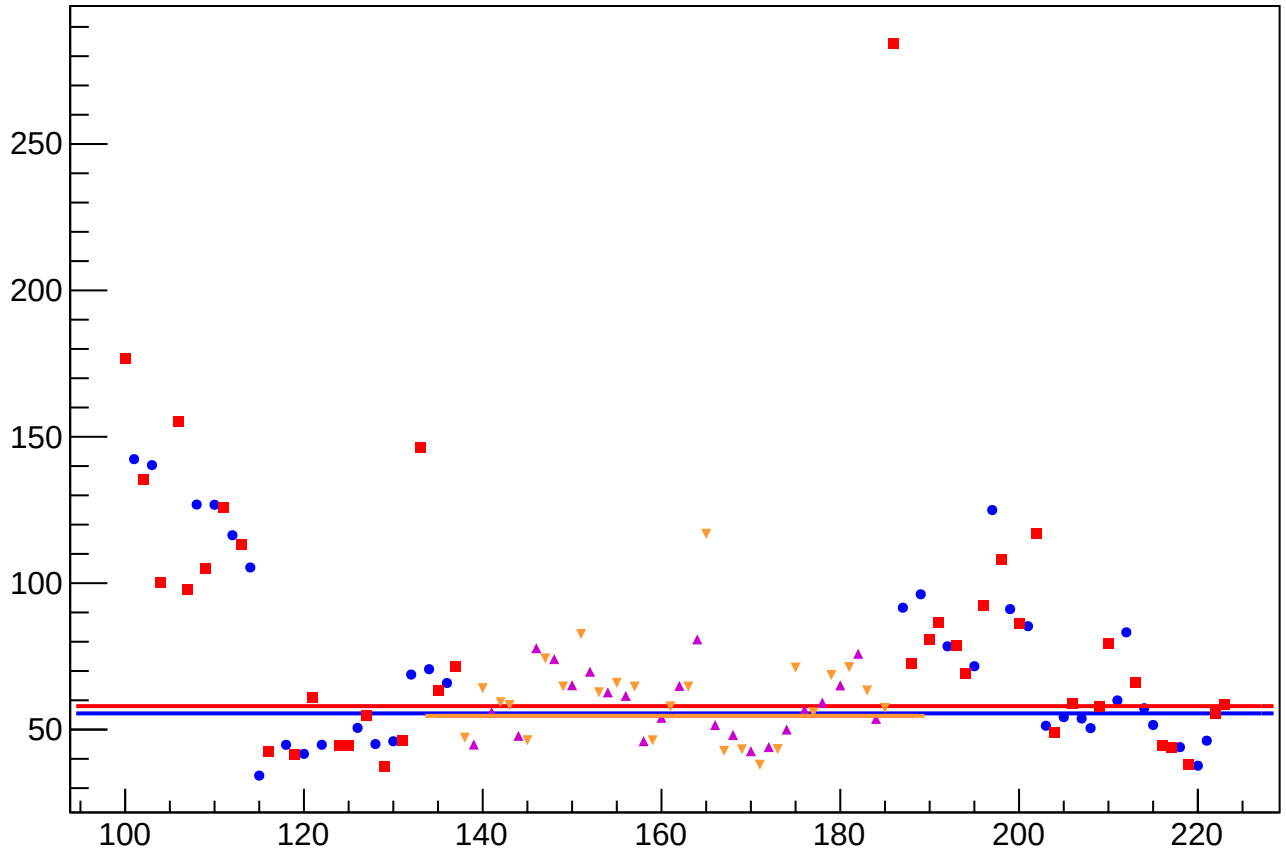
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.105+/-0.006 χ^2/NDF: 6311424.5/58

All: 55.697+/-0.005 χ^2/NDF: 12928229.1/120

- sign 56.326+/-0.007 χ^2/NDF: 6599518.0/61


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
220
Right In: 0.002+/-0.013 χ²/NDF: 43.4/33
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.010+/-0.013 χ²/NDF: 45.8/38
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.013+/-0.009 χ²/NDF: 78.9/58
All: 0.006+/-0.007 χ²/NDF: 153.0/120
- sign -0.001+/-0.009 χ²/NDF: 73.0/61



Right In: 55.523+/-0.009 χ^2/NDF: 4370677.9/33

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

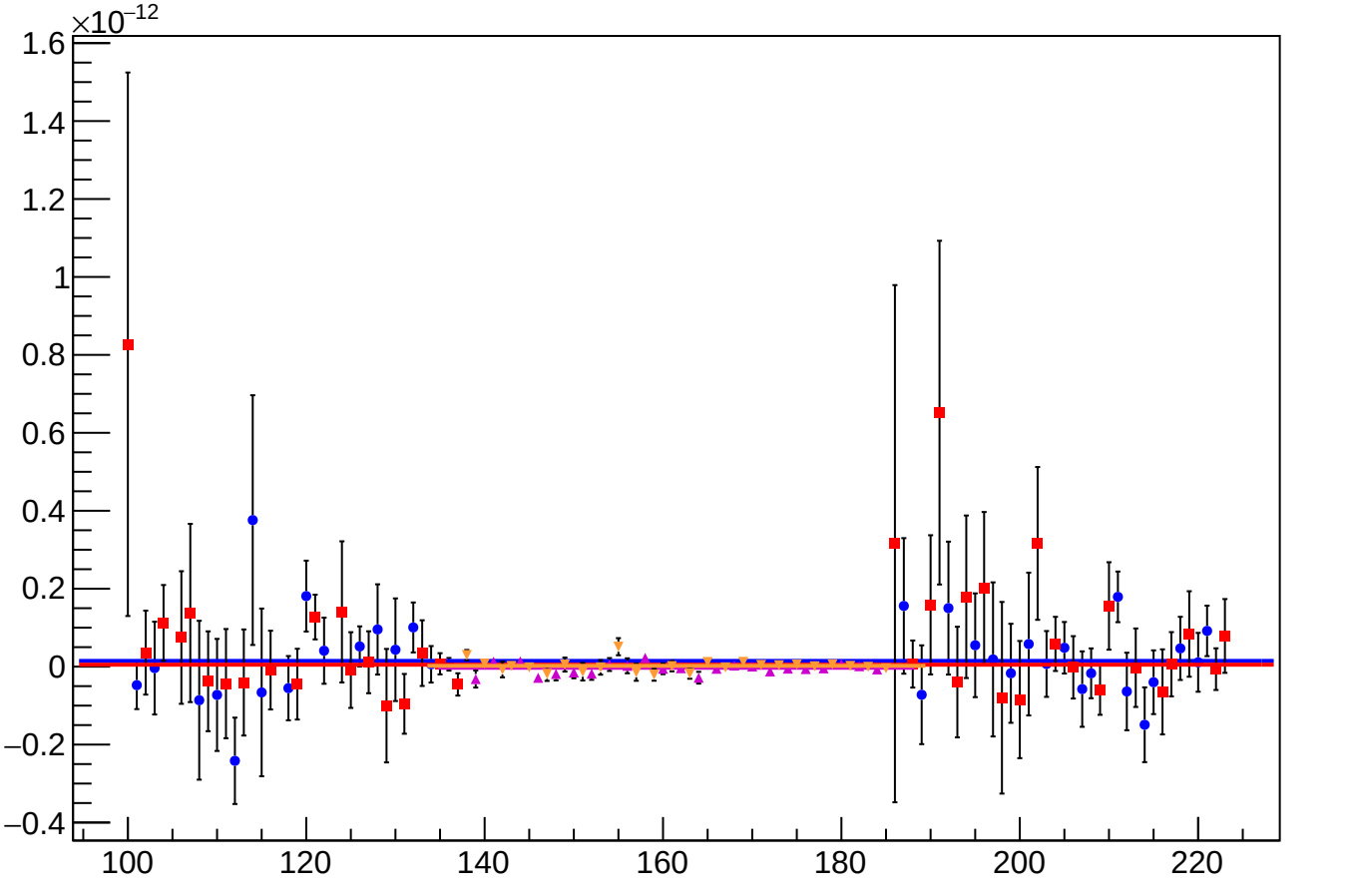
Right Out: 58.003+/-0.009 χ^2/NDF: 5347018.7/38

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.105+/-0.006 χ^2/NDF: 6311424.5/58

All: 55.697+/-0.005 χ^2/NDF: 12928229.1/120

- sign 56.326+/-0.007 χ^2/NDF: 6599518.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

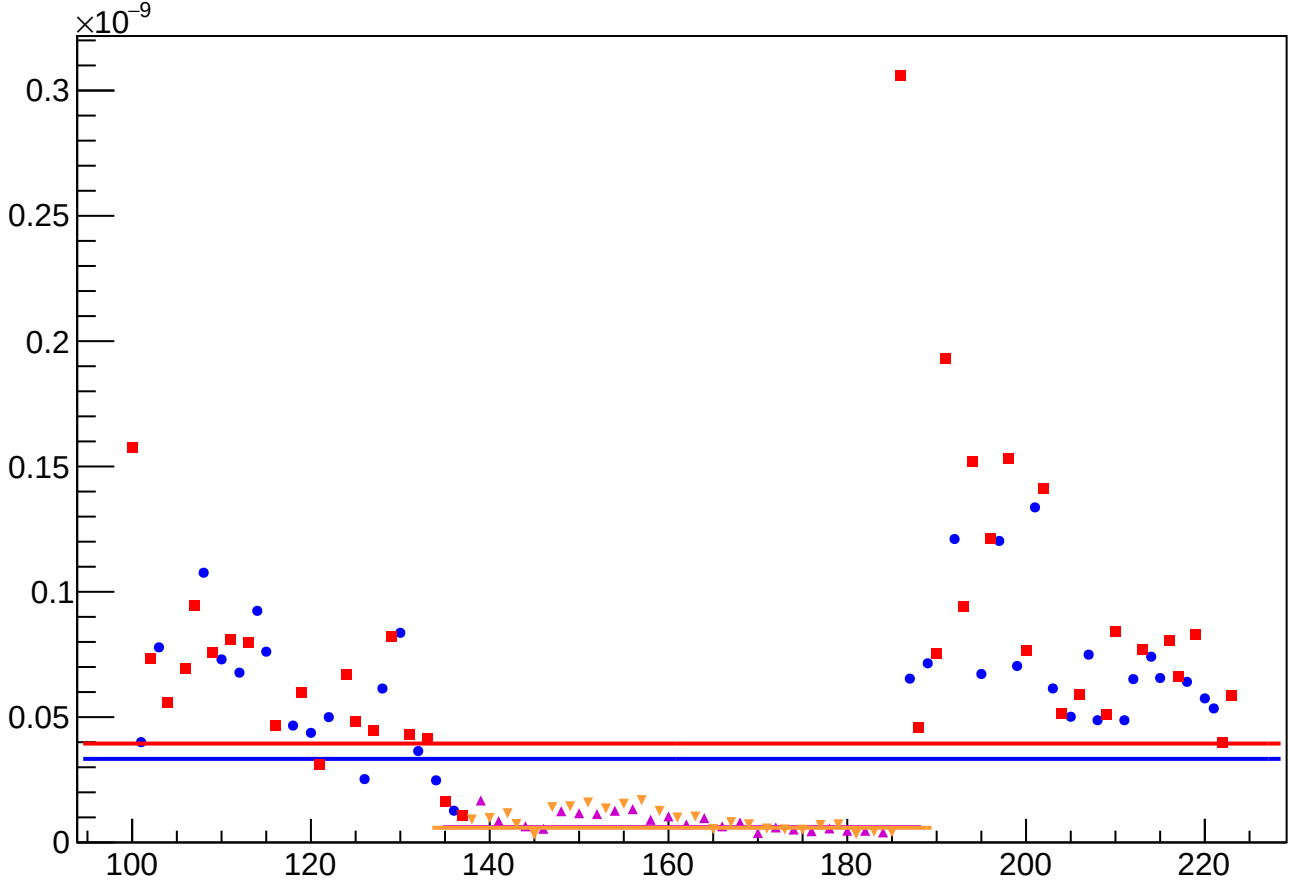
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/38

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/58

All: 0.000+/-0.000 χ^2/NDF: 117.4/120

- sign -0.000+/-0.000 χ^2/NDF: 60.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 9585388.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9590855.6/38

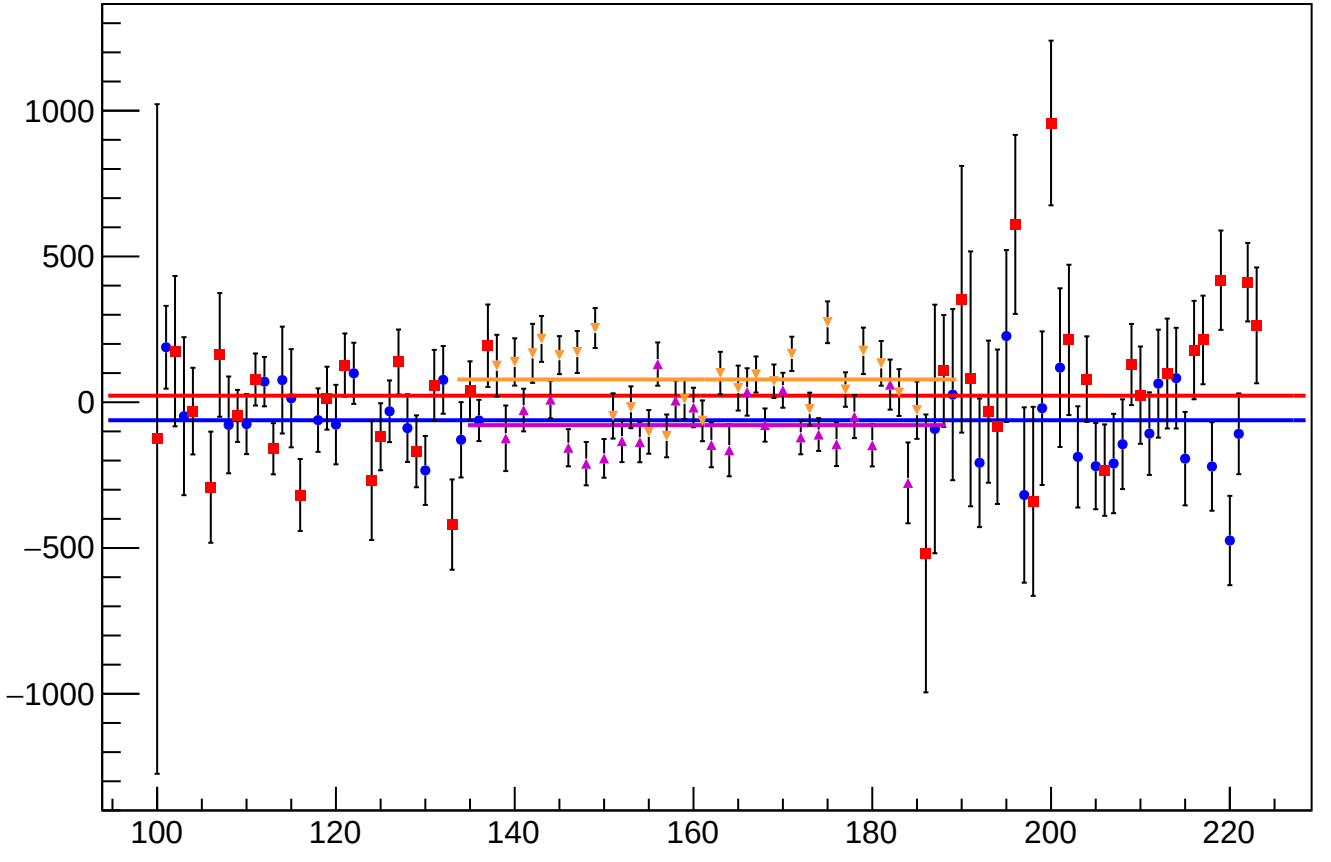
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27091839.4/58

All: 0.000+/-0.000 χ^2/NDF: 53524018.7/120

- sign 0.000+/-0.000 χ^2/NDF: 26411477.9/61

reg_asym_sam_37_avg_mean vs Slug



Right In: -61.750+/-24.045 χ^2/NDF: 28.5/33

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 22.482+/-23.893 χ^2/NDF: 74.2/38

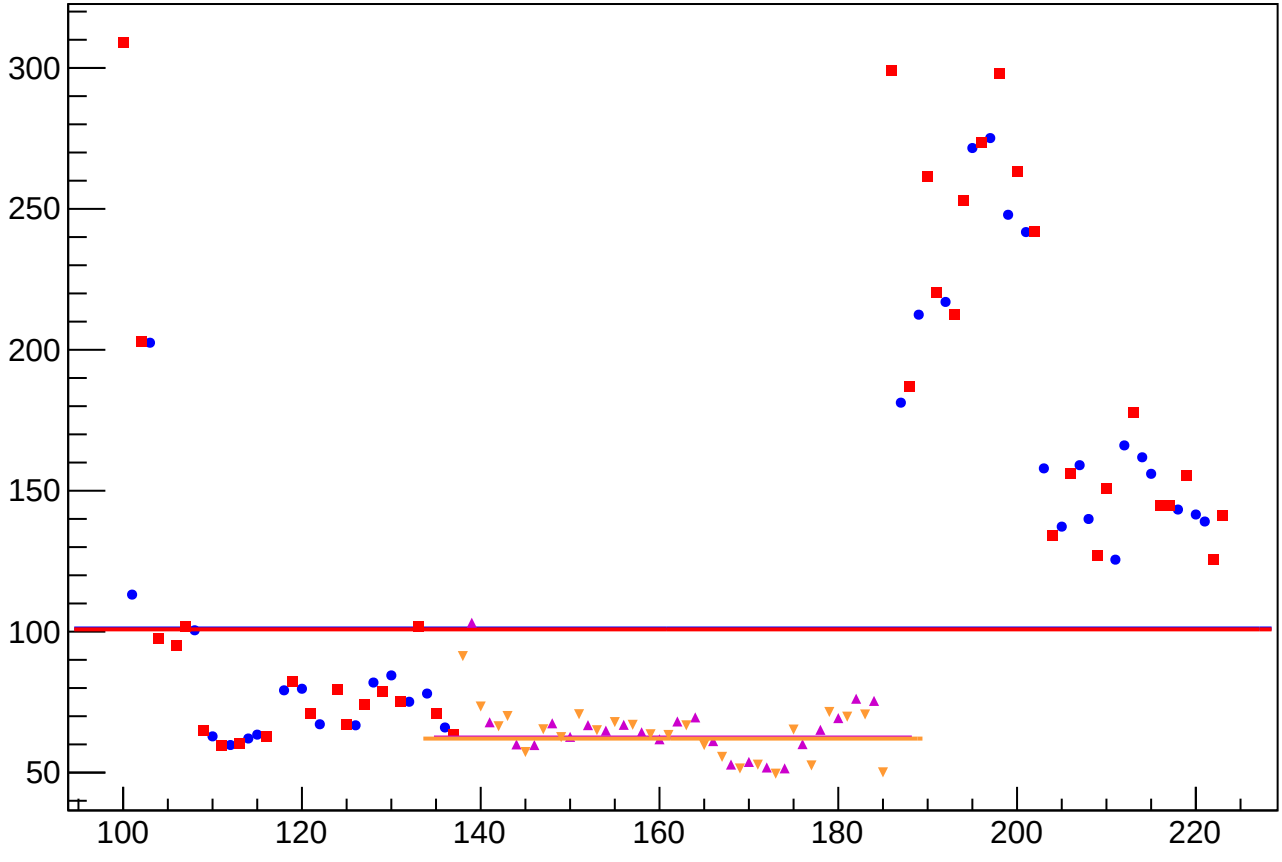
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 41.507+/-12.307 χ^2/NDF: 107.3/58

All: -3.441+/-8.800 χ^2/NDF: 258.3/120

- sign -50.472+/-12.589 χ^2/NDF: 123.7/61

reg_asym_sam_37_avg_rms vs Slug



Right In: 101.124+/-0.017 χ^2/NDF: 7867676.4/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 100.812+/-0.017 χ^2/NDF: 9186708.0/38

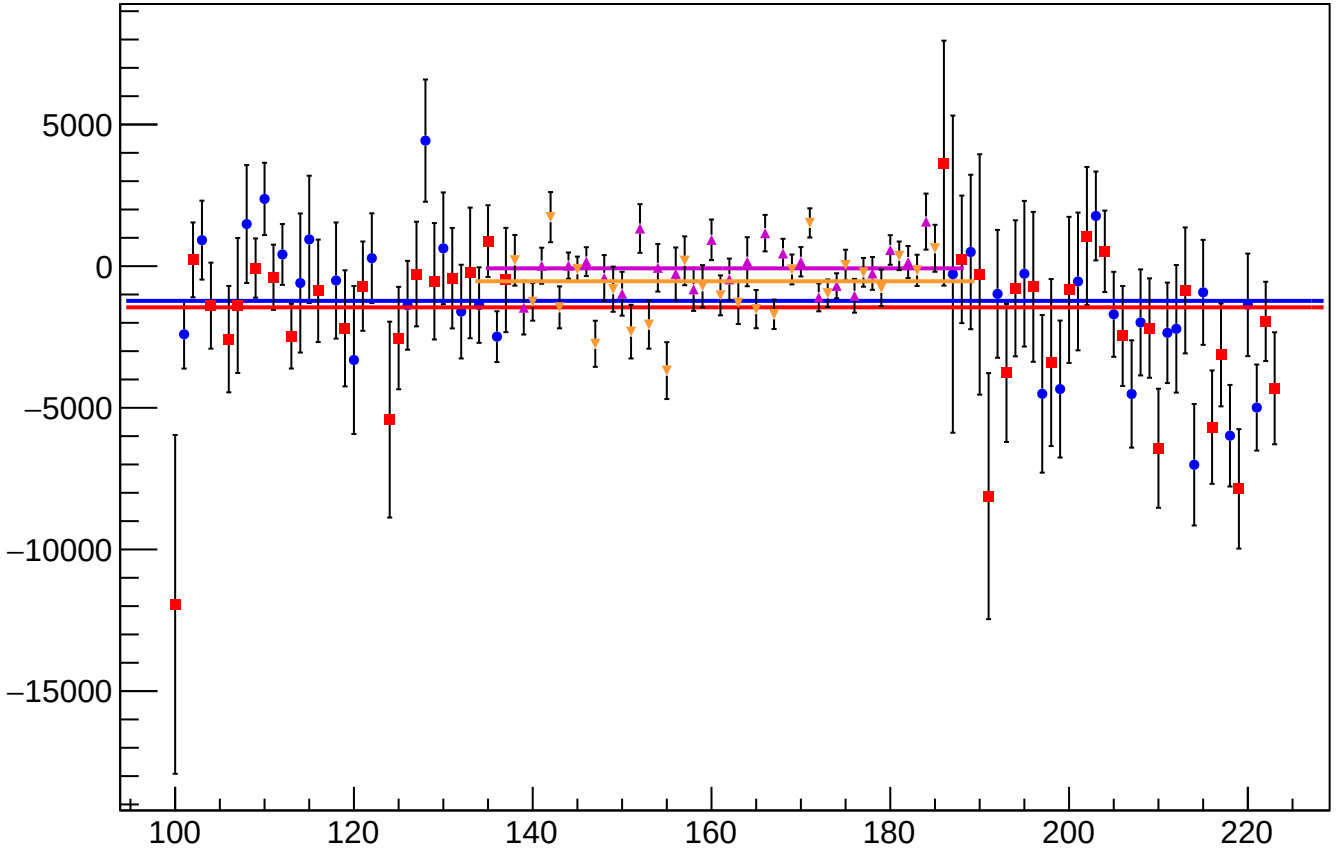
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 72.296+/-0.009 χ^2/NDF: 12449705.7/58

All: 72.687+/-0.006 χ^2/NDF: 26030649.7/120

- sign 73.096+/-0.009 χ^2/NDF: 13576811.3/61

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -1224.961+/-293.830 χ^2/NDF: 59.5/33

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -1452.810+/-293.632 χ^2/NDF: 47.3/38

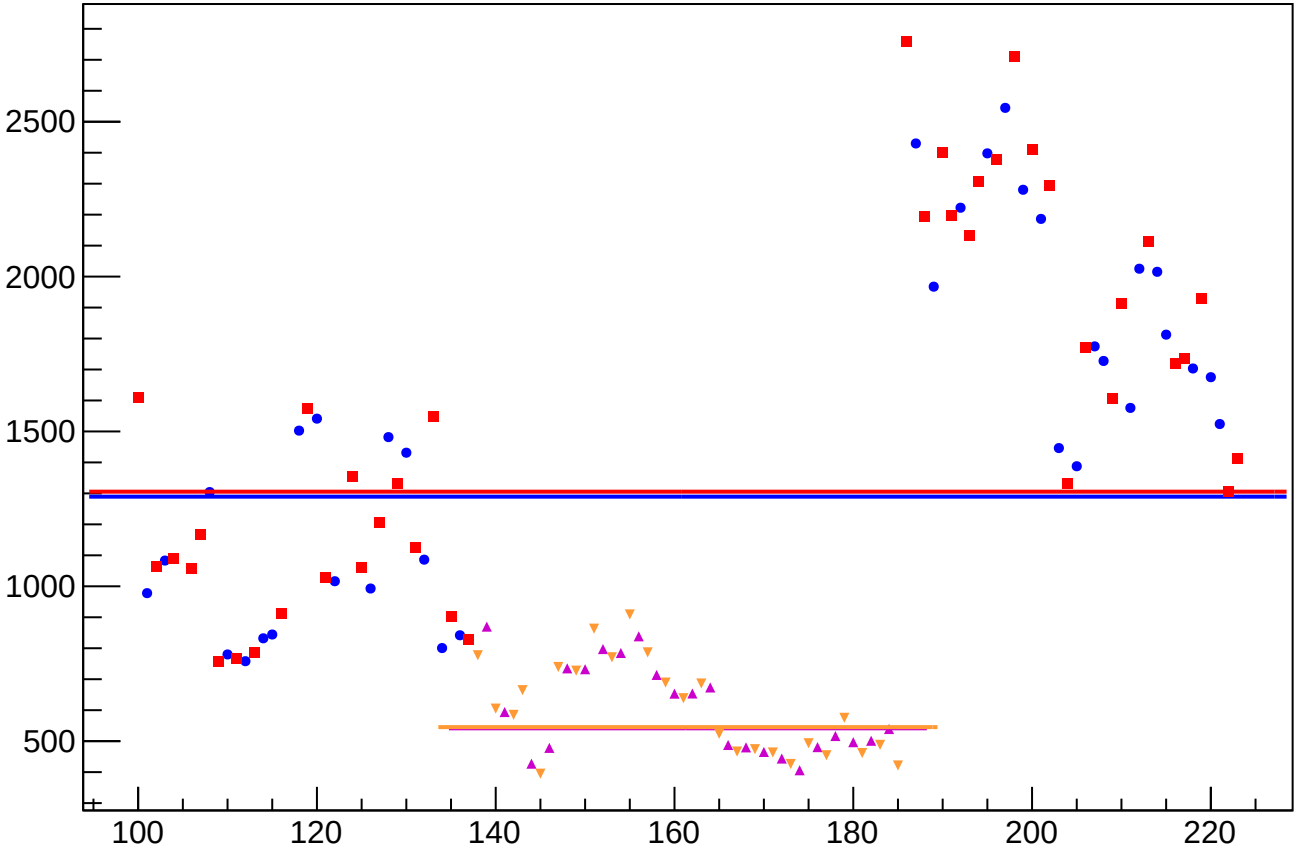
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -643.076+/-117.292 χ^2/NDF: 133.3/58

All: -476.016+/-83.575 χ^2/NDF: 231.4/120

- sign -303.727+/-119.113 χ^2/NDF: 94.0/61

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1289.453+/-0.208 χ^2/NDF: 5233127.7/33

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1305.568+/-0.208 χ^2/NDF: 5985606.0/38

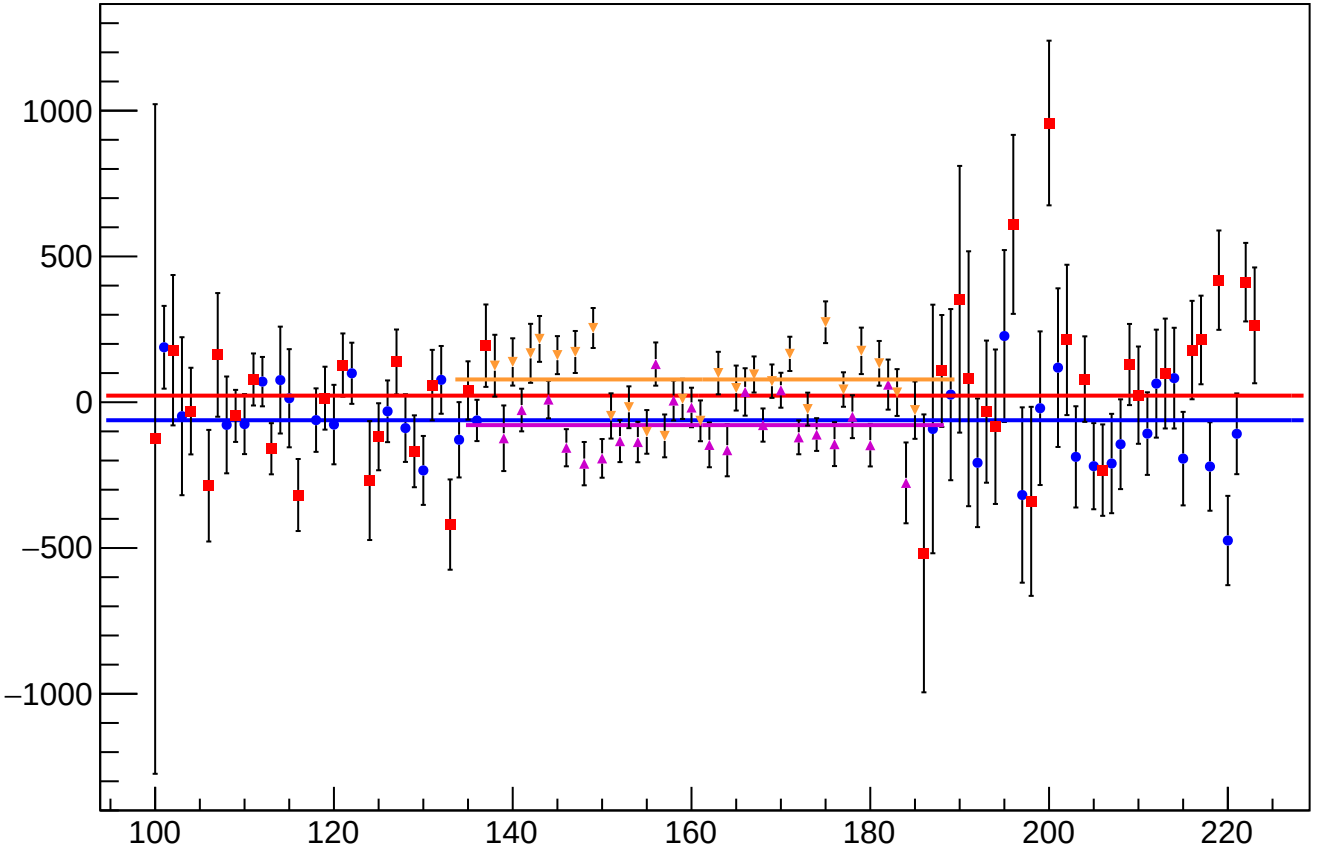
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 663.883+/-0.083 χ^2/NDF: 18100688.5/58

All: 665.514+/-0.059 χ^2/NDF: 37242375.4/12

- sign 667.197+/-0.084 χ^2/NDF: 19140900.8/61

cor_asym_sam_37_avg_mean vs Slug



Right In: -61.757+/-24.045 χ^2/NDF: 28.4/33

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 22.629+/-23.895 χ^2/NDF: 74.1/38

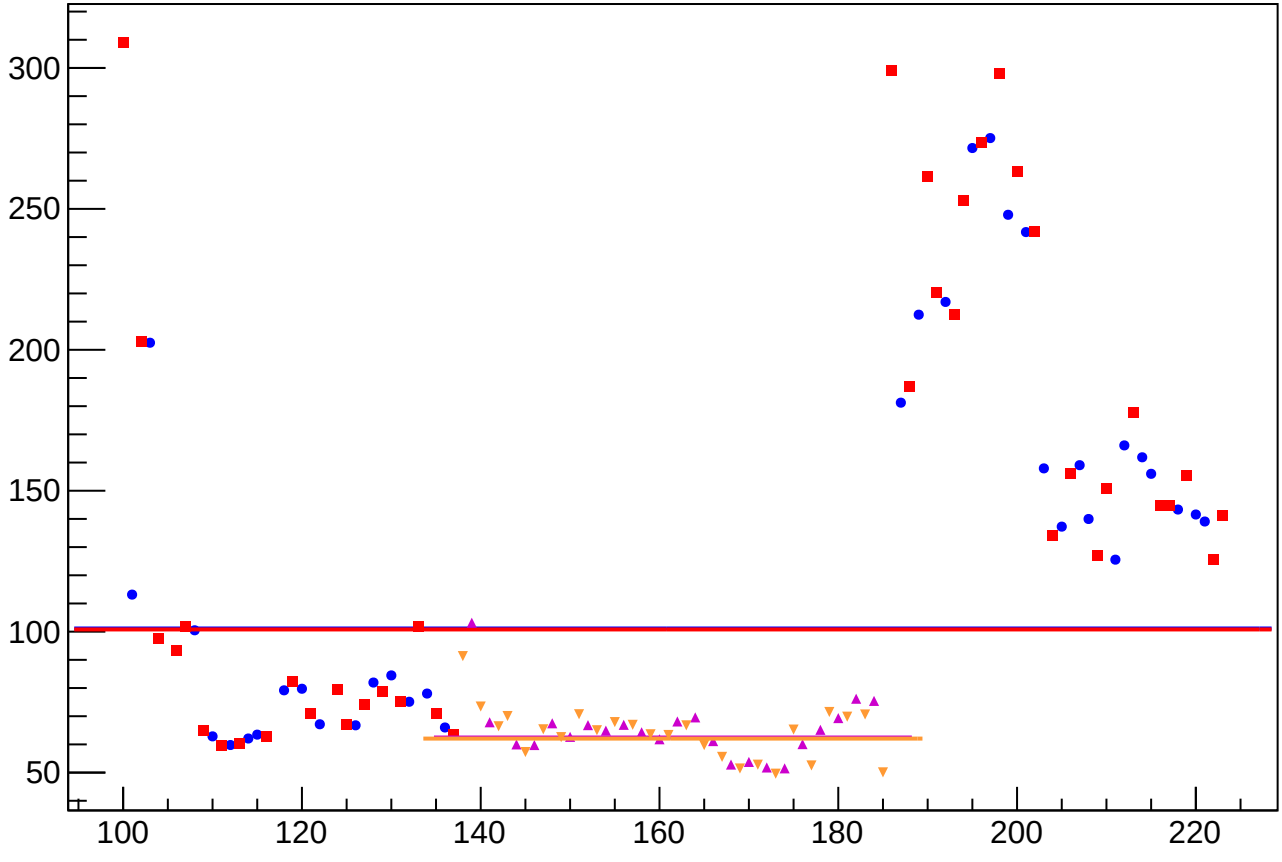
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 41.507+/-12.307 χ^2/NDF: 107.3/58

All: -3.421+/-8.800 χ^2/NDF: 258.2/120

- sign -50.434+/-12.589 χ^2/NDF: 123.6/61

cor_asym_sam_37_avg_rms vs Slug



Right In: 101.124+/-0.017 χ^2/NDF: 7867678.9/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

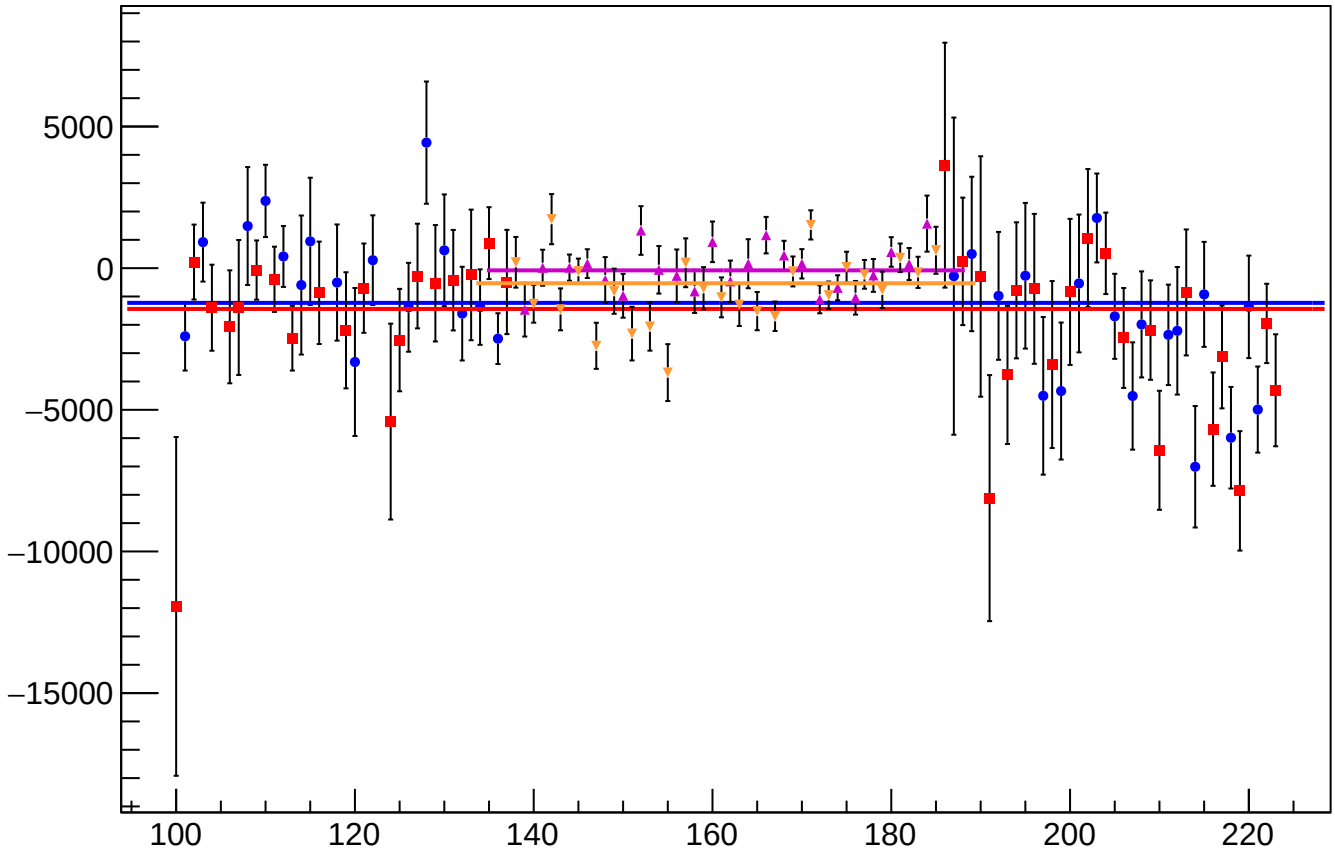
Right Out: 100.786+/-0.017 χ^2/NDF: 9188144.0/38

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 72.296+/-0.009 χ^2/NDF: 12449707.6/58

All: 72.683+/-0.006 χ^2/NDF: 26026636.5/120

- sign 73.088+/-0.009 χ^2/NDF: 13572880.7/61



Right In: -1224.960+/-293.831 χ^2/NDF: 59.5/33

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

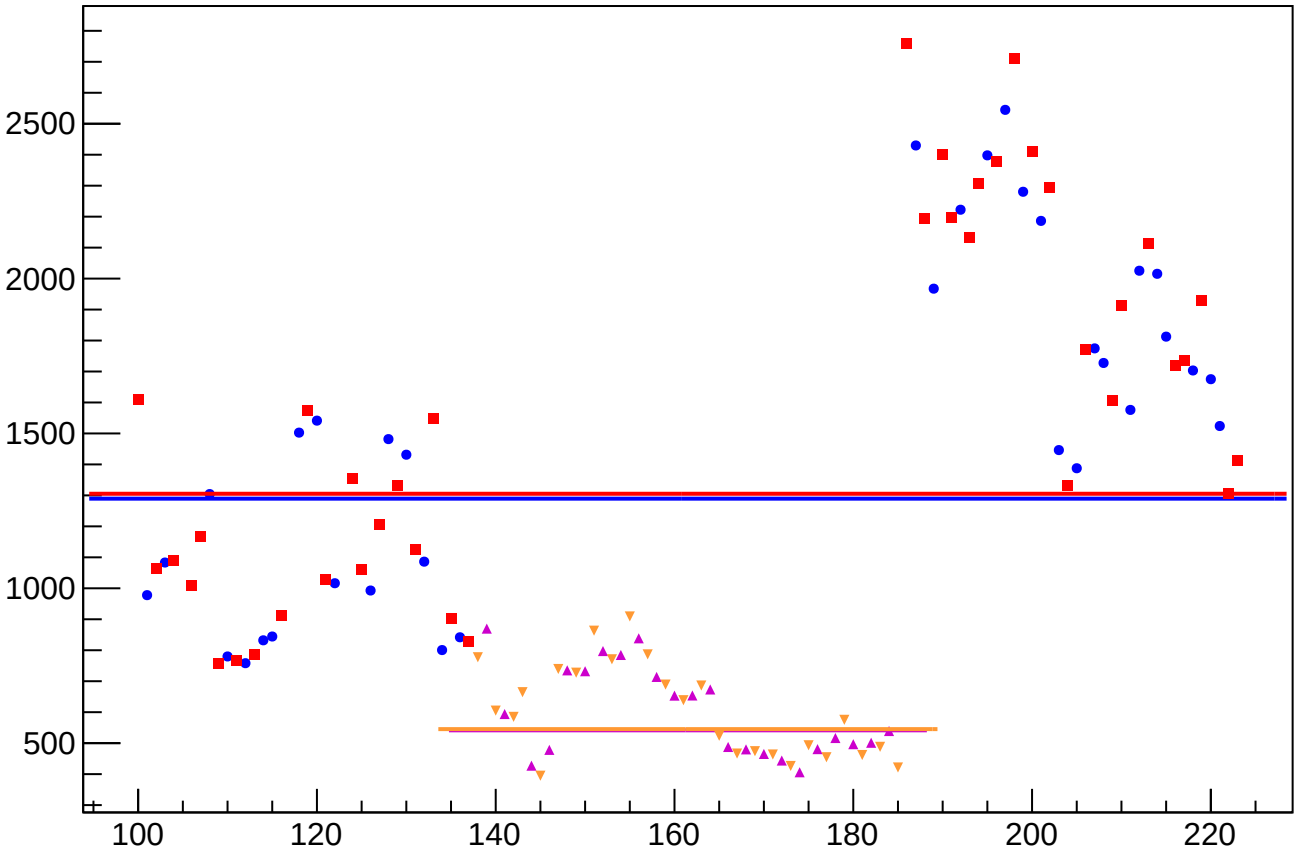
Right Out: -1439.187+/-294.050 χ^2/NDF: 47.0/38

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -643.073+/-117.292 χ^2/NDF: 133.3/58

All: -474.688+/-83.584 χ^2/NDF: 230.8/120

- sign -300.952+/-119.141 χ^2/NDF: 93.3/61



Right In: 1289.460+/-0.208 χ^2/NDF: 5233079.3/33

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1305.266+/-0.208 χ^2/NDF: 5994306.4/38

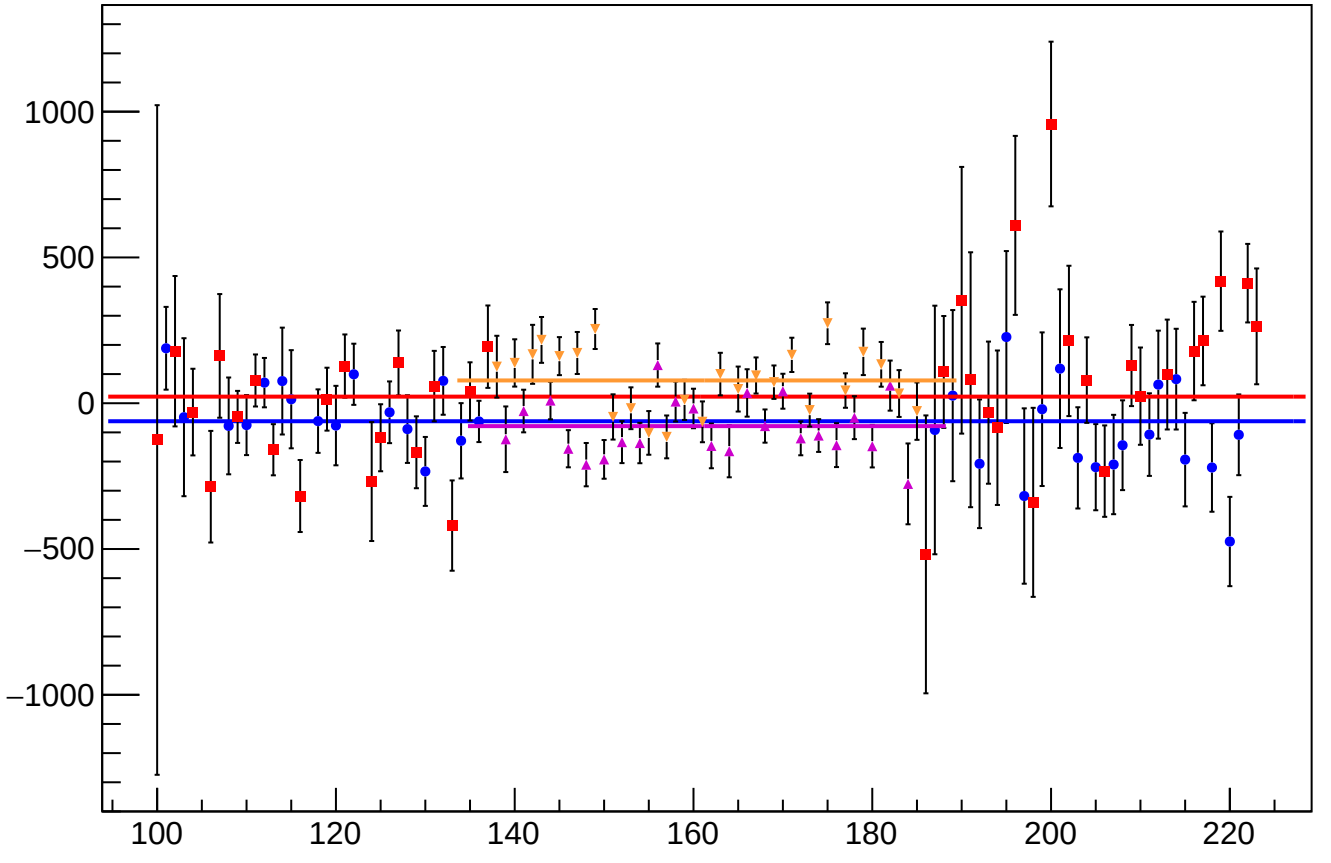
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 663.883+/-0.083 χ^2/NDF: 18100745.3/58

All: 665.343+/-0.059 χ^2/NDF: 37215174.4/12

- sign 666.849+/-0.084 χ^2/NDF: 19113799.7/61

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -61.757+/-24.045 χ^2/NDF: 28.4/33

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 22.629+/-23.895 χ^2/NDF: 74.1/38

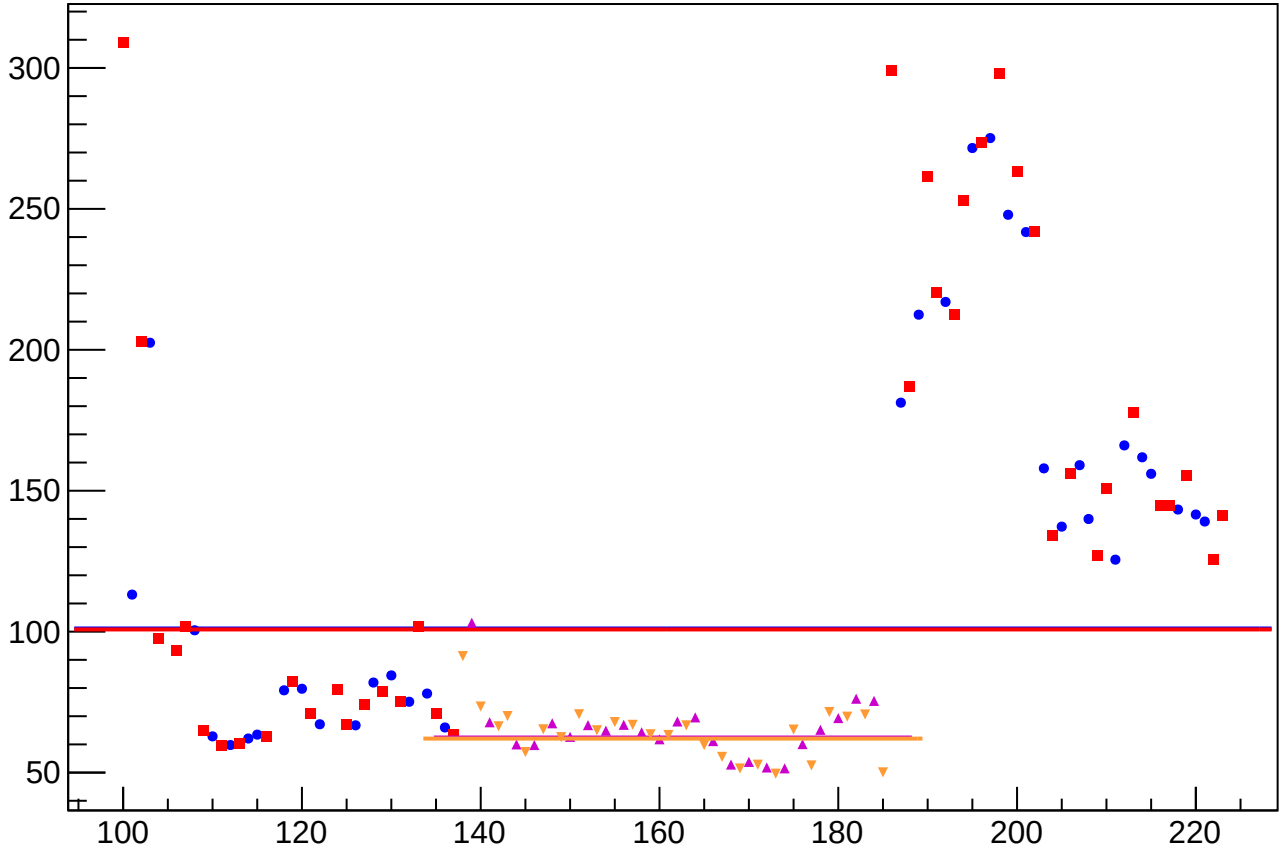
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 41.507+/-12.307 χ^2/NDF: 107.3/58

All: -3.421+/-8.800 χ^2/NDF: 258.2/120

- sign -50.434+/-12.589 χ^2/NDF: 123.6/61

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 101.124+/-0.017 χ^2/NDF: 7867678.9/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

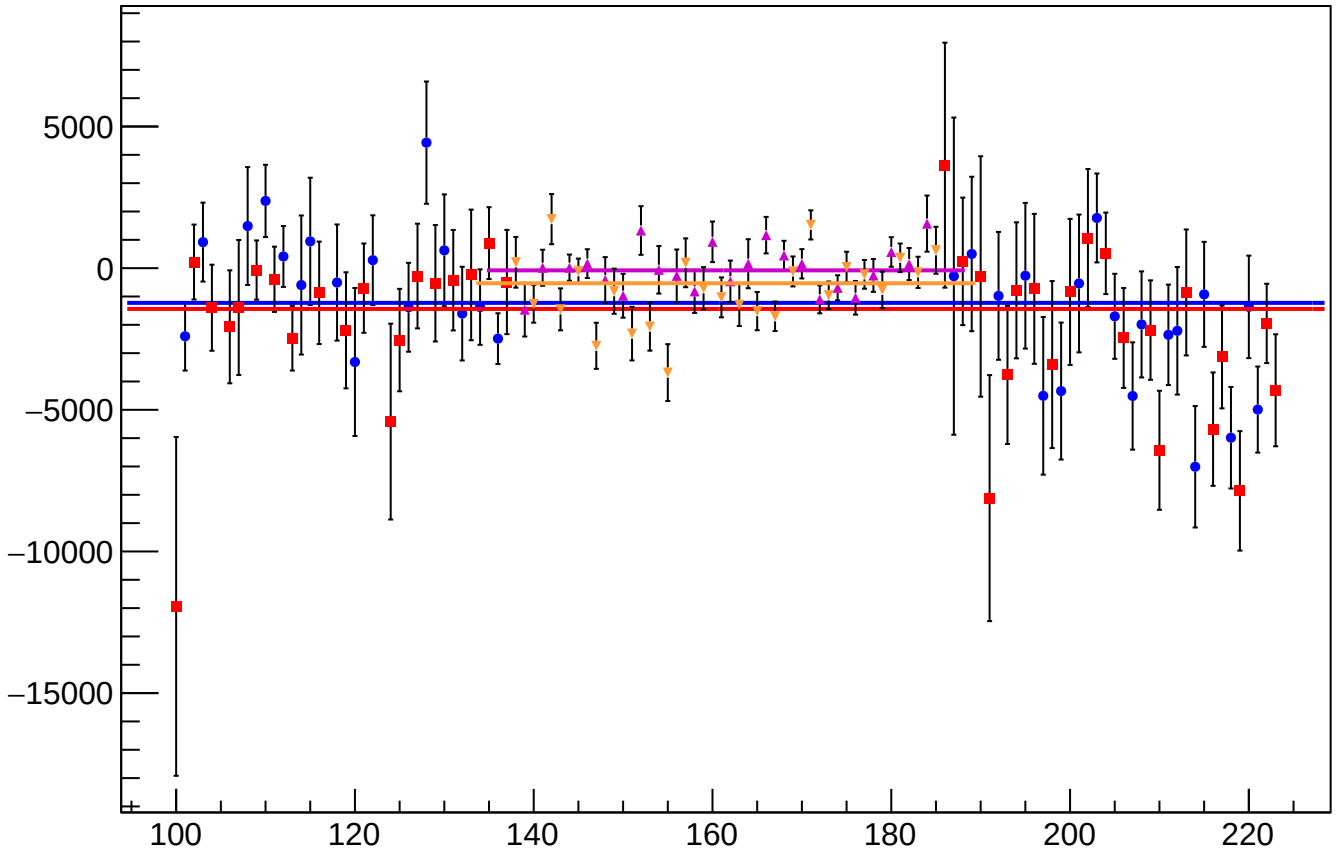
Right Out: 100.786+/-0.017 χ^2/NDF: 9188144.0/38

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 72.296+/-0.009 χ^2/NDF: 12449707.6/58

All: 72.683+/-0.006 χ^2/NDF: 26026636.5/120

- sign 73.088+/-0.009 χ^2/NDF: 13572880.7/61



Right In: -1224.960+/-293.831 χ^2/NDF: 59.5/33

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

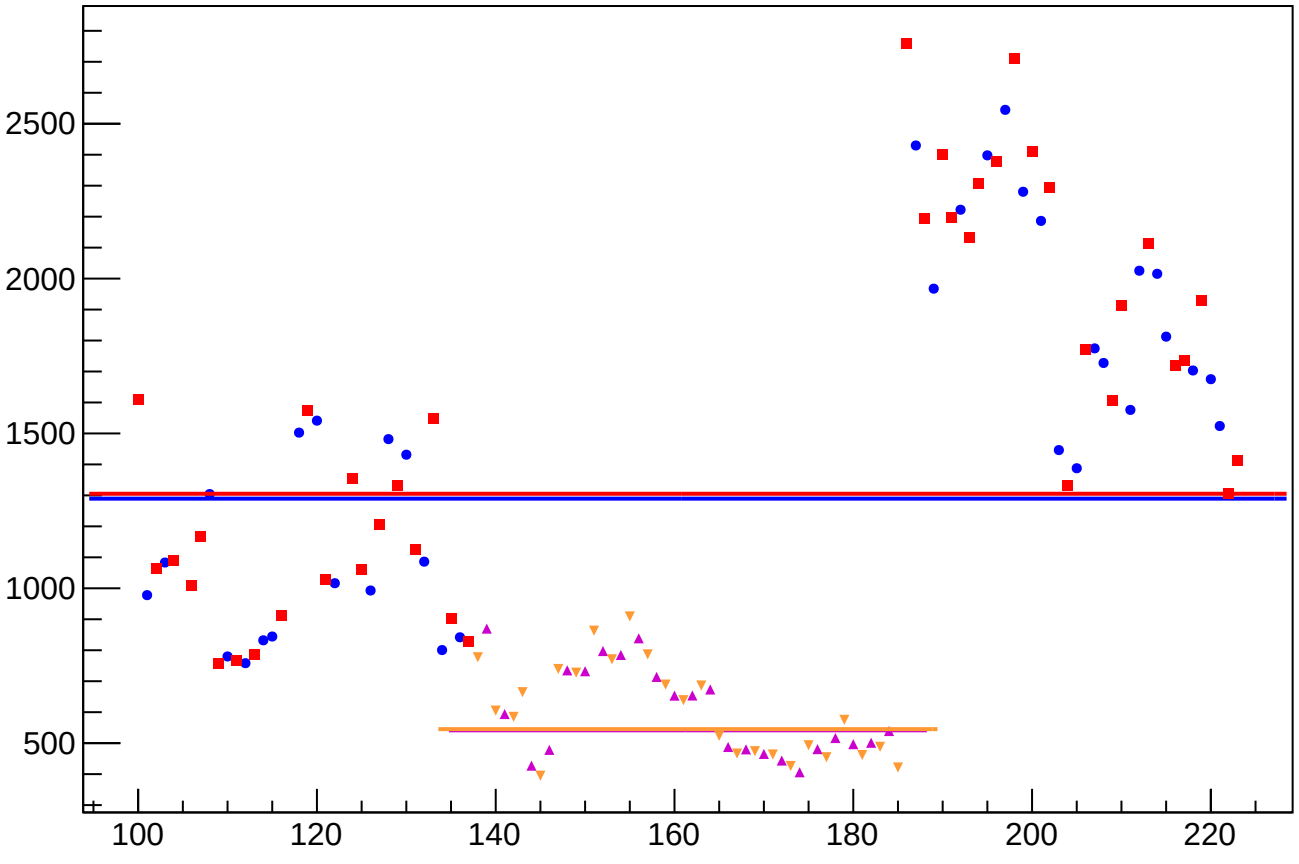
Right Out: -1439.187+/-294.050 χ^2/NDF: 47.0/38

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -643.073+/-117.292 χ^2/NDF: 133.3/58

All: -474.688+/-83.584 χ^2/NDF: 230.8/120

- sign -300.952+/-119.141 χ^2/NDF: 93.3/61



Right In: 1289.460+/-0.208 χ^2/NDF: 5233079.3/33

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1305.266+/-0.208 χ^2/NDF: 5994306.4/38

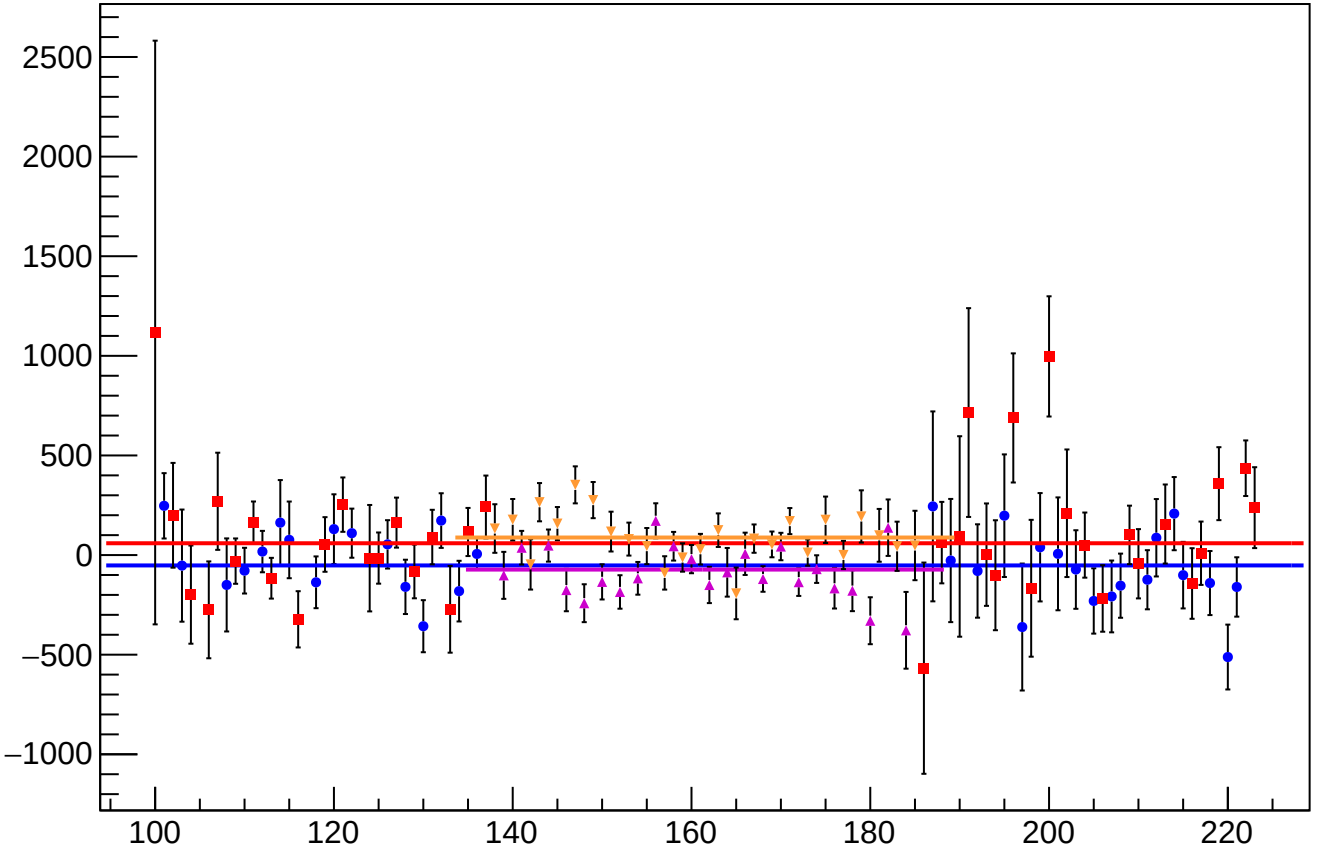
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 663.883+/-0.083 χ^2/NDF: 18100745.3/58

All: 665.343+/-0.059 χ^2/NDF: 37215174.4/12

- sign 666.849+/-0.084 χ^2/NDF: 19113799.7/61

dit_asym_sam_37_avg_mean vs Slug



Right In: -52.041+/-27.237 χ^2/NDF: 35.6/33

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 59.311+/-27.540 χ^2/NDF: 57.5/38

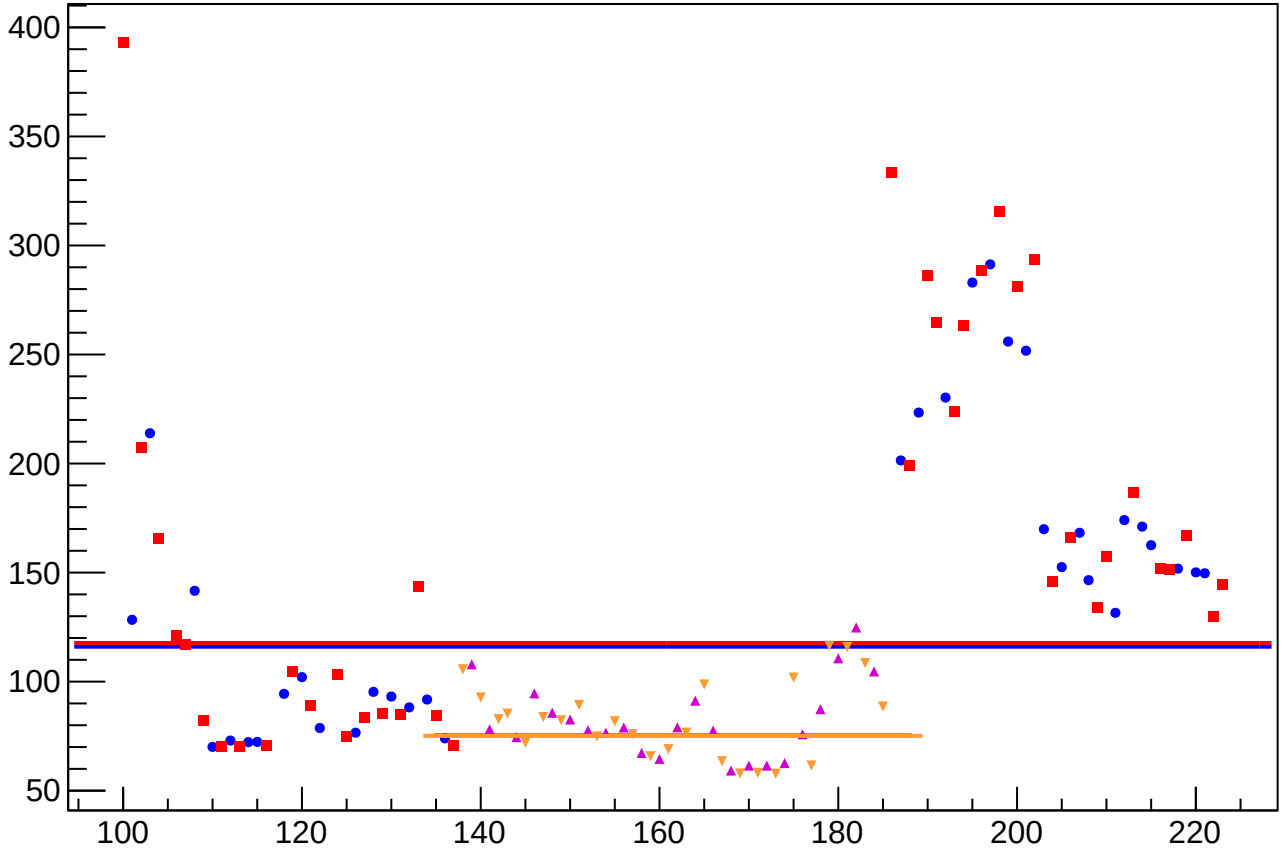
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 46.300+/-14.868 χ^2/NDF: 91.1/58

All: 7.871+/-10.638 χ^2/NDF: 216.7/120

- sign -32.443+/-15.228 χ^2/NDF: 112.0/61

dit_asym_sam_37_avg_rms vs Slug



Right In: 116.024+/-0.019 χ^2/NDF: 6662859.5/33

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 117.736+/-0.019 χ^2/NDF: 7984454.5/38

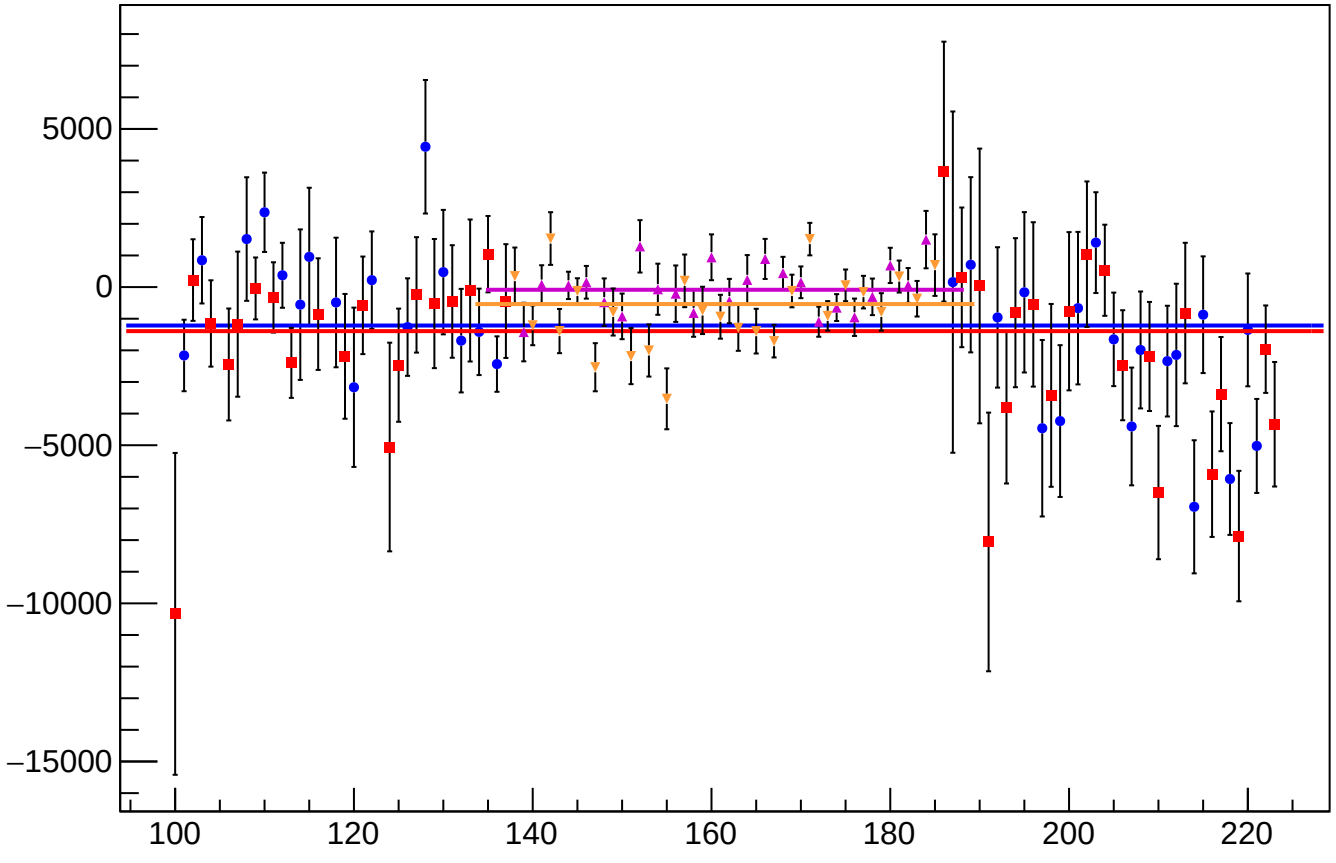
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 87.314+/-0.011 χ^2/NDF: 11429802.0/58

All: 87.804+/-0.008 χ^2/NDF: 23931055.1/120

- sign 88.318+/-0.011 χ^2/NDF: 12496801.4/61

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -1215.216+/-288.179 χ^2/NDF: 59.9/33

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -1392.703+/-285.031 χ^2/NDF: 51.1/38

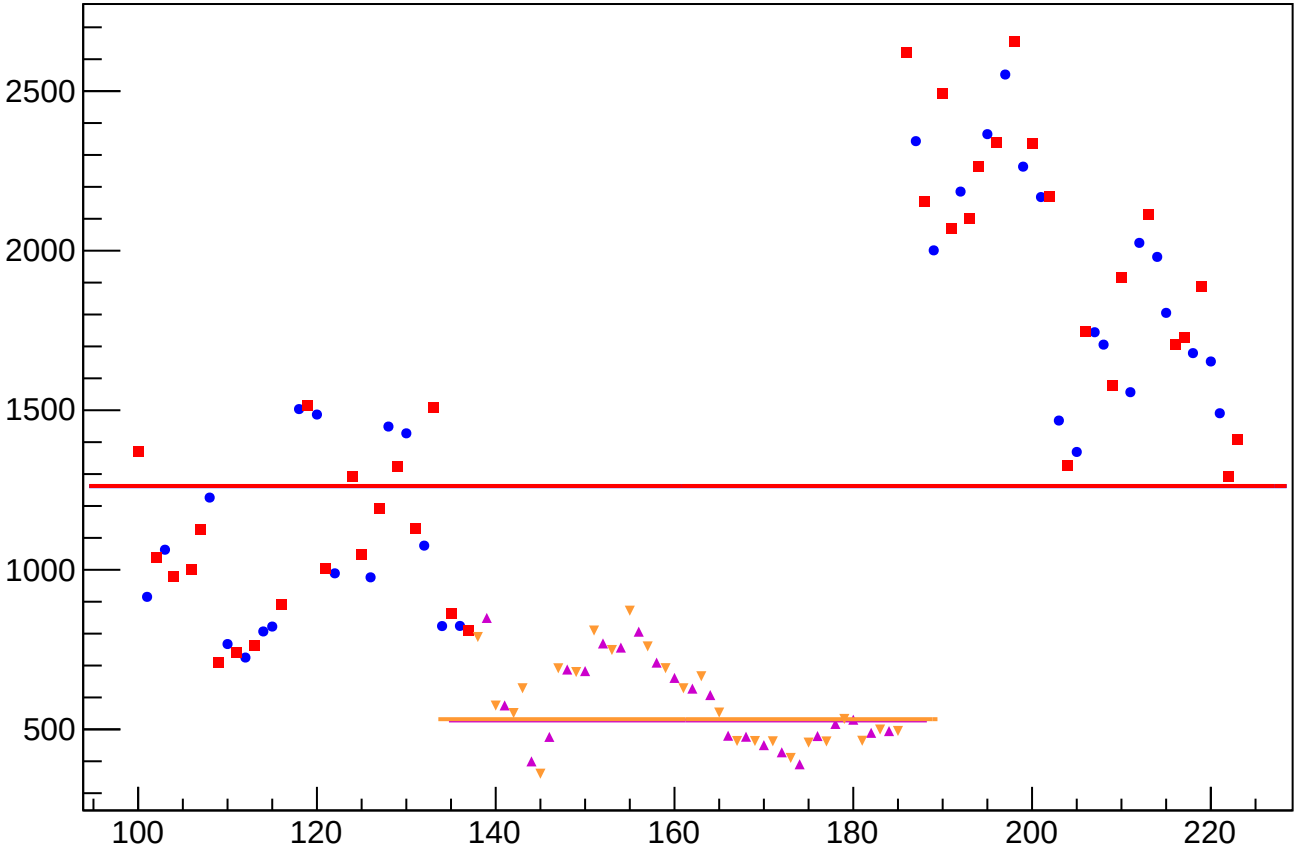
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -643.456+/-114.268 χ^2/NDF: 131.6/58

All: -475.077+/-81.418 χ^2/NDF: 232.1/120

- sign -301.448+/-116.036 χ^2/NDF: 96.1/61

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1262.022+/-0.204 χ^2/NDF: 5425496.7/33

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1262.699+/-0.202 χ^2/NDF: 6294631.2/38

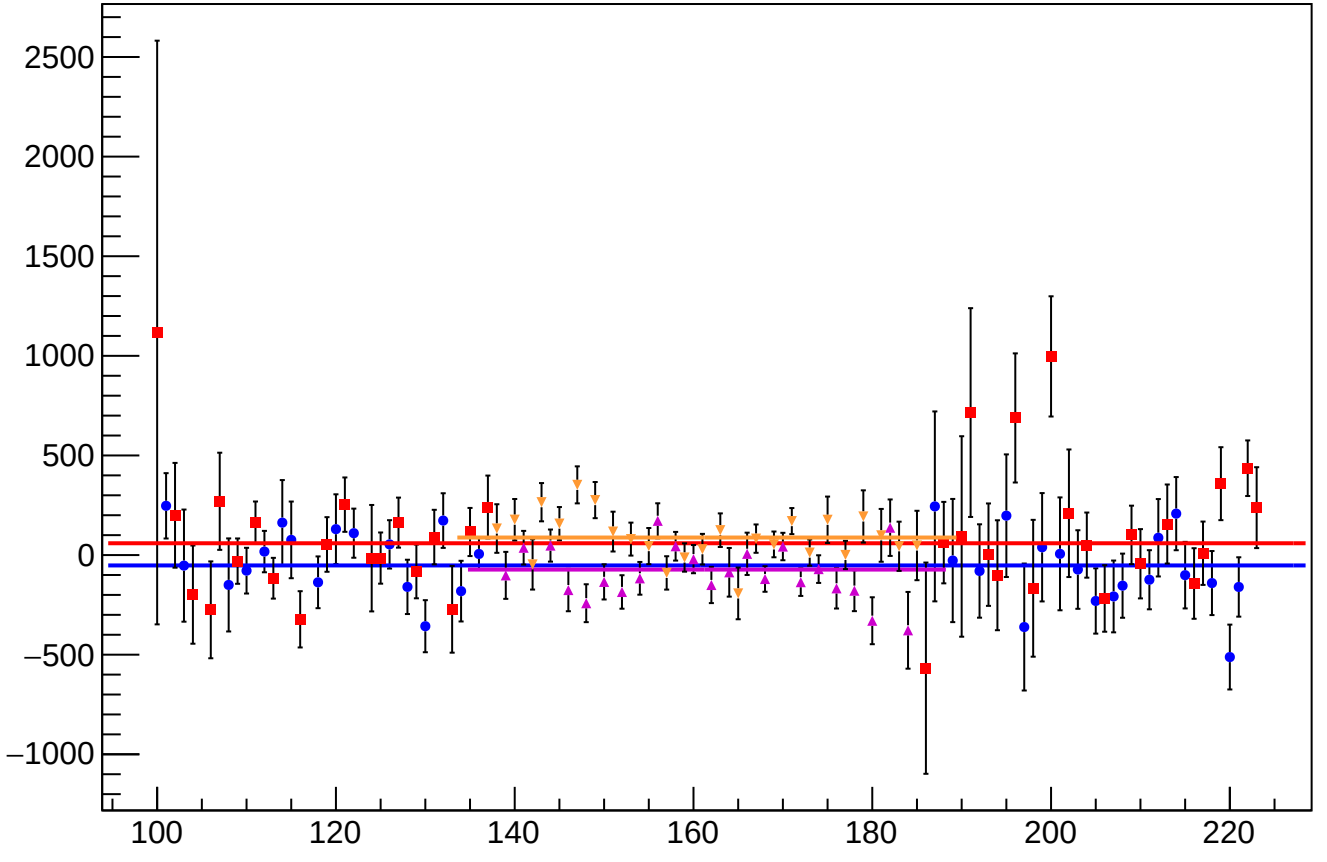
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 646.671+/-0.081 χ^2/NDF: 18283555.2/58

All: 648.187+/-0.058 χ^2/NDF: 37465743.7/12

- sign 649.750+/-0.082 χ^2/NDF: 19181473.8/61

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -52.040+/-27.237 χ^2/NDF: 35.6/33

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 59.315+/-27.540 χ^2/NDF: 57.5/38

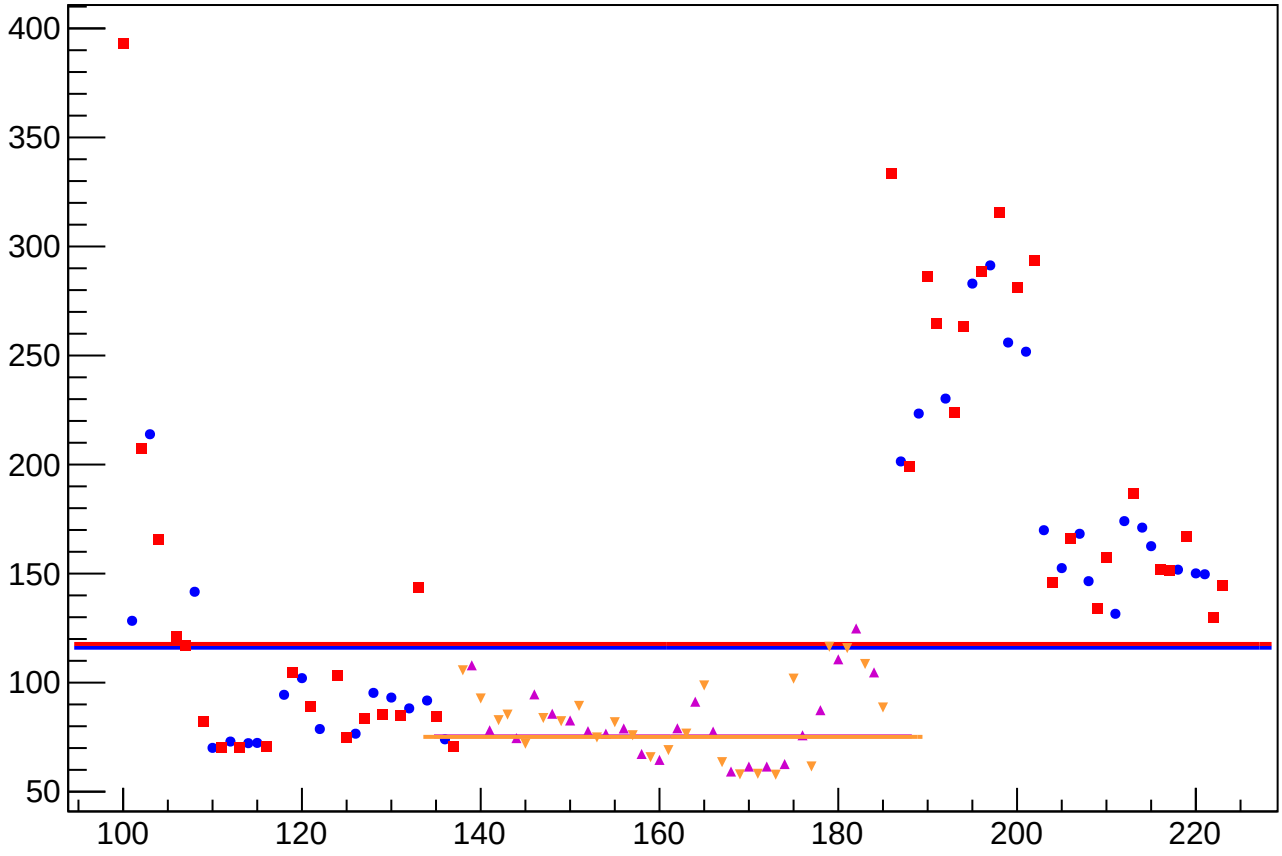
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 46.300+/-14.868 χ^2/NDF: 91.1/58

All: 7.872+/-10.638 χ^2/NDF: 216.7/120

- sign -32.442+/-15.228 χ^2/NDF: 112.0/61

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 116.025+/-0.019 χ^2/NDF: 6662801.1/33

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

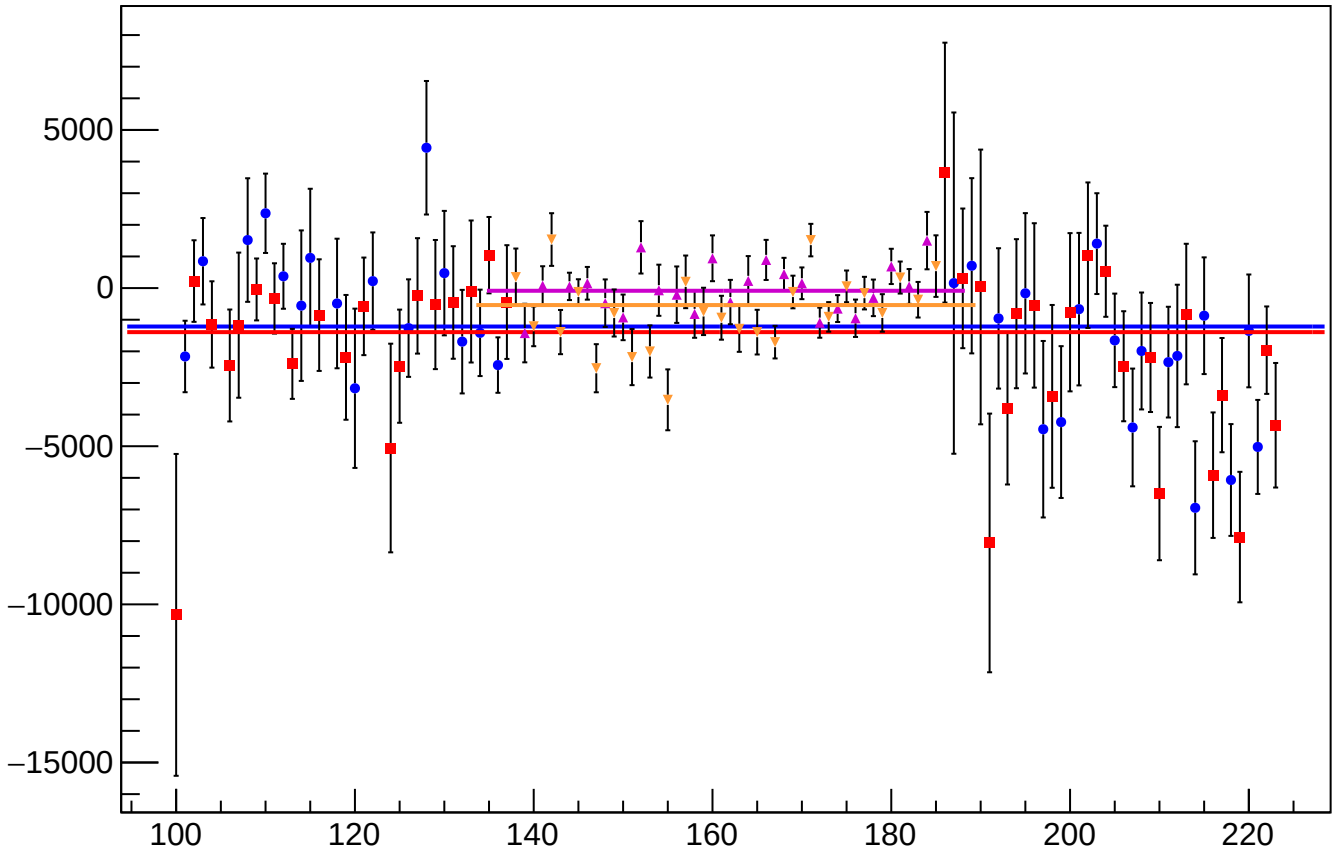
Right Out: 117.737+/-0.019 χ^2/NDF: 7984396.5/38

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 87.314+/-0.011 χ^2/NDF: 11429747.1/58

All: 87.804+/-0.008 χ^2/NDF: 23930961.8/120

- sign 88.318+/-0.011 χ^2/NDF: 12496763.1/61



Right In: -1215.212+/-288.179 χ^2/NDF: 59.9/33

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

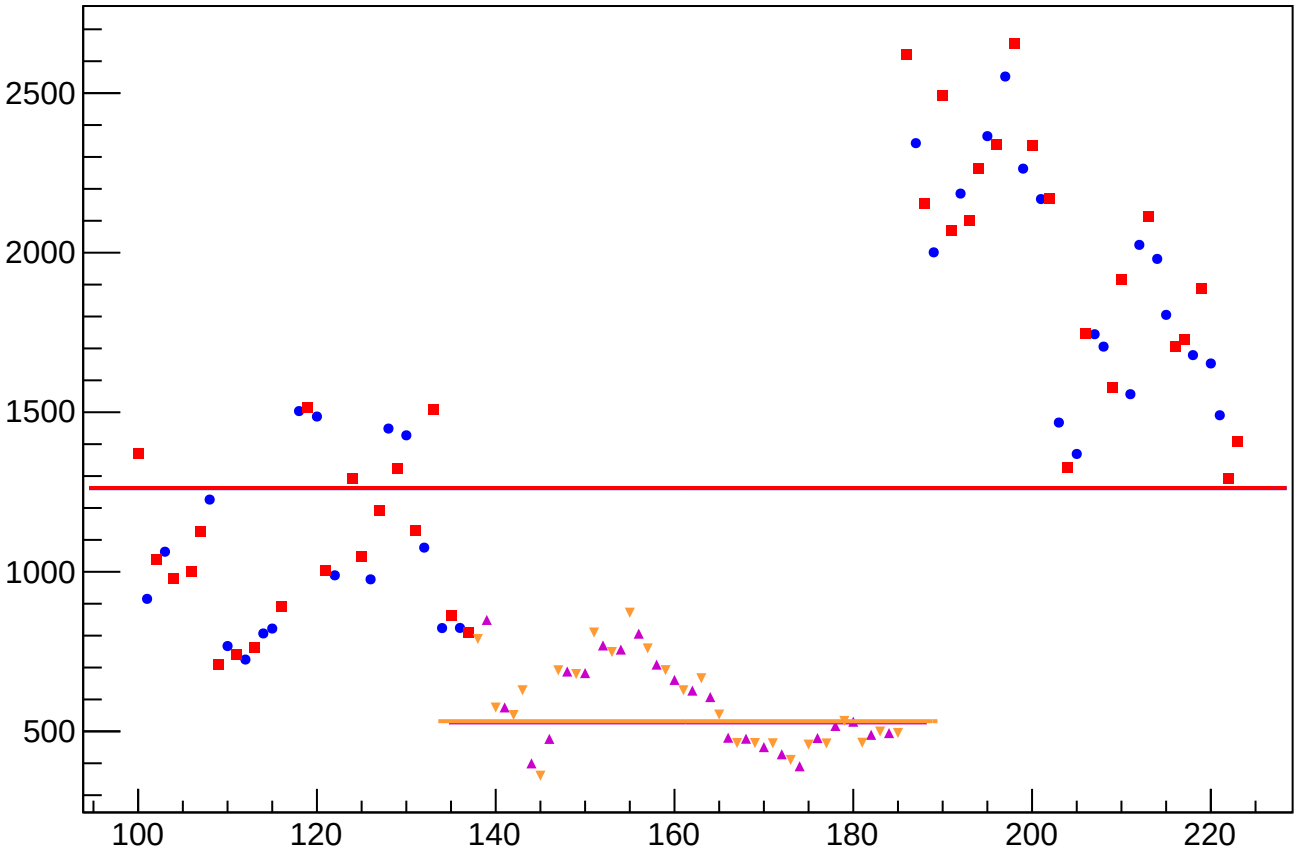
Right Out: -1392.701+/-285.030 χ^2/NDF: 51.1/38

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -643.456+/-114.268 χ^2/NDF: 131.6/58

All: -475.077+/-81.417 χ^2/NDF: 232.1/120

- sign -301.448+/-116.036 χ^2/NDF: 96.1/61



Right In: 1262.020+/-0.204 χ^2/NDF: 5425515.9/33

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1262.698+/-0.202 χ^2/NDF: 6294647.0/38

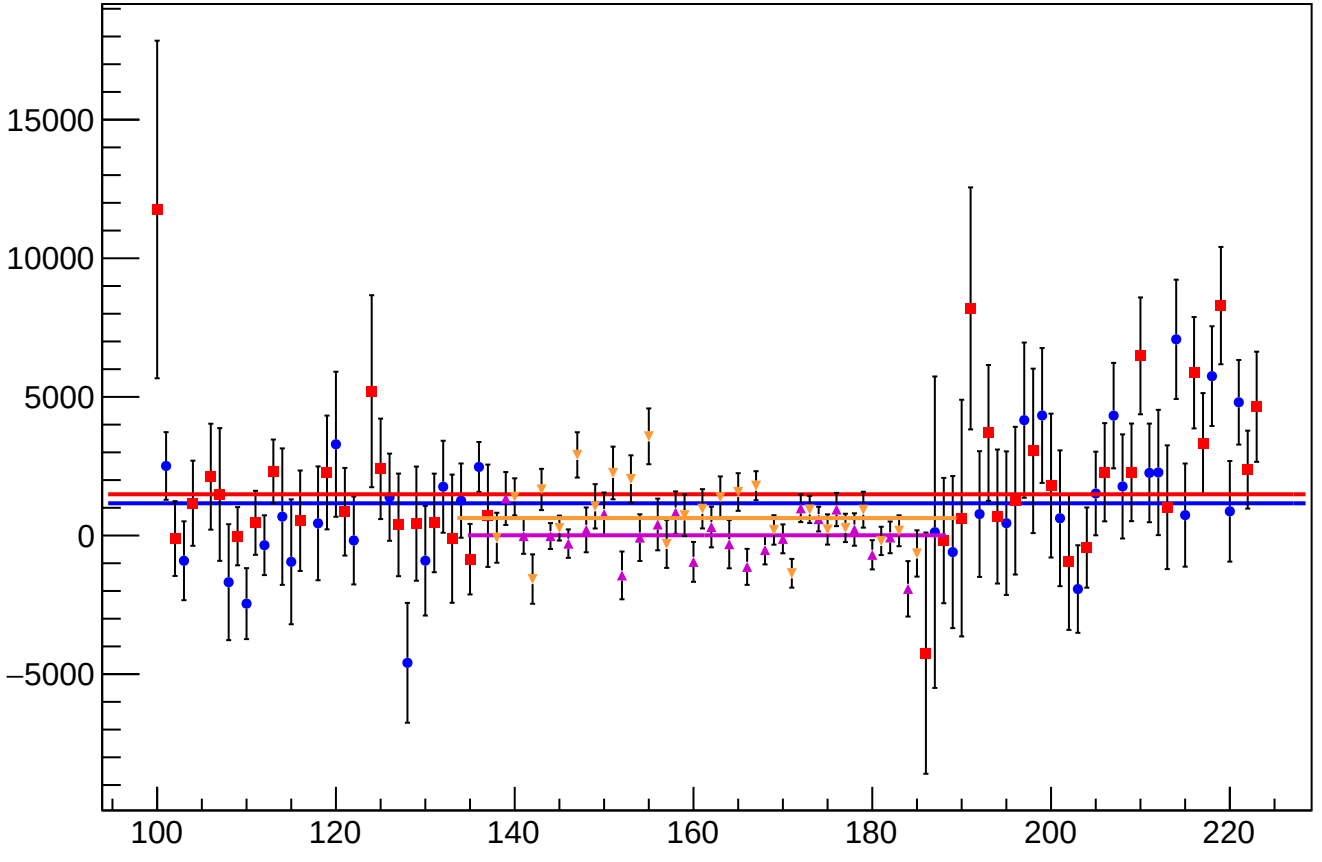
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 646.670+/-0.081 χ^2/NDF: 18283548.5/58

All: 648.186+/-0.058 χ^2/NDF: 37465721.8/12

- sign 649.749+/-0.082 χ^2/NDF: 19181458.5/61

asym_sam_37_avg_mean vs Slug



Right In: 1162.731+/-295.247 χ^2/NDF: 58.7/33

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 1487.498+/-295.138 χ^2/NDF: 48.6/38

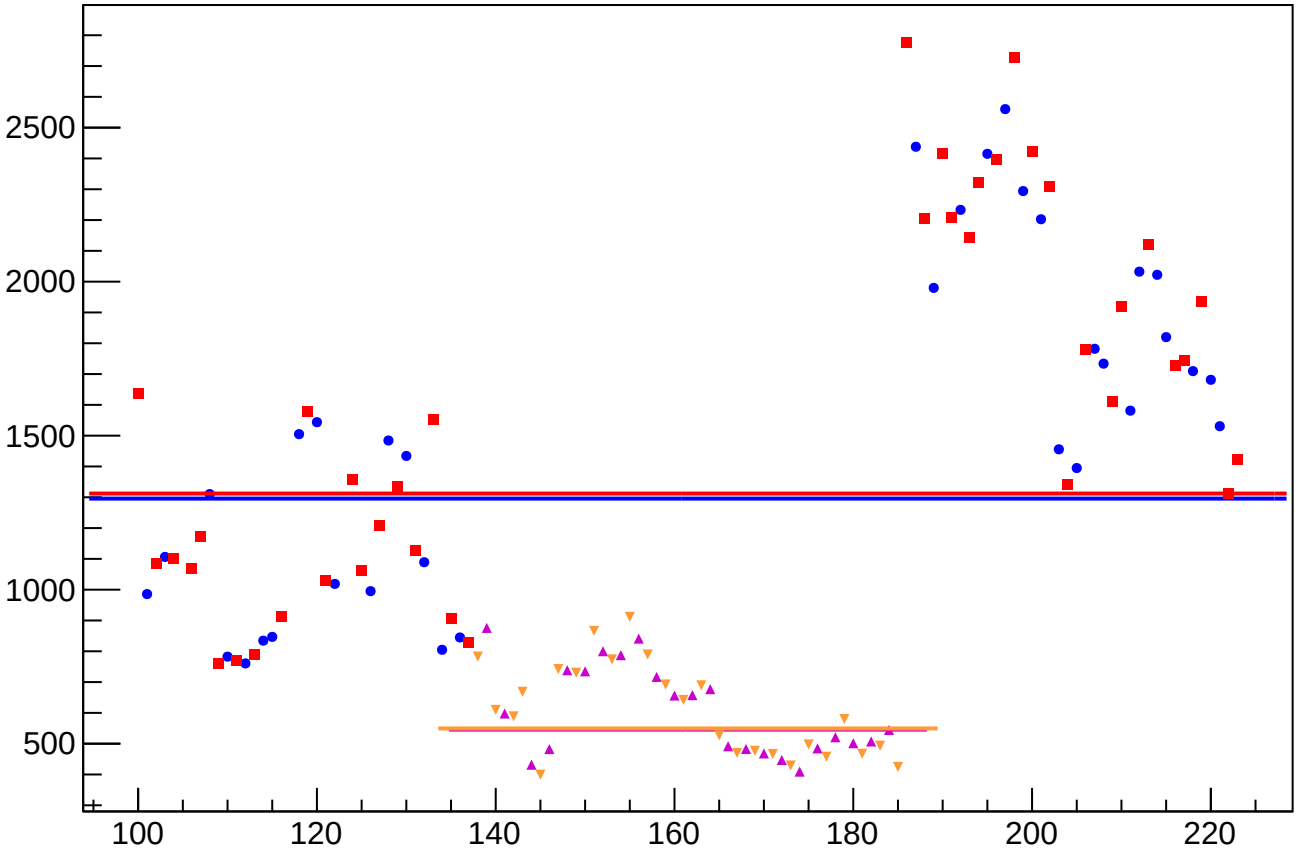
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 714.711+/-118.096 χ^2/NDF: 126.3/58

All: 487.358+/-84.157 χ^2/NDF: 230.7/120

- sign 252.789+/-119.956 χ^2/NDF: 96.9/61

asym_sam_37_avg_rms vs Slug



Right In: 1295.664+/-0.209 χ^2/NDF: 5234023.7/33

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1312.093+/-0.209 χ^2/NDF: 5988509.3/38

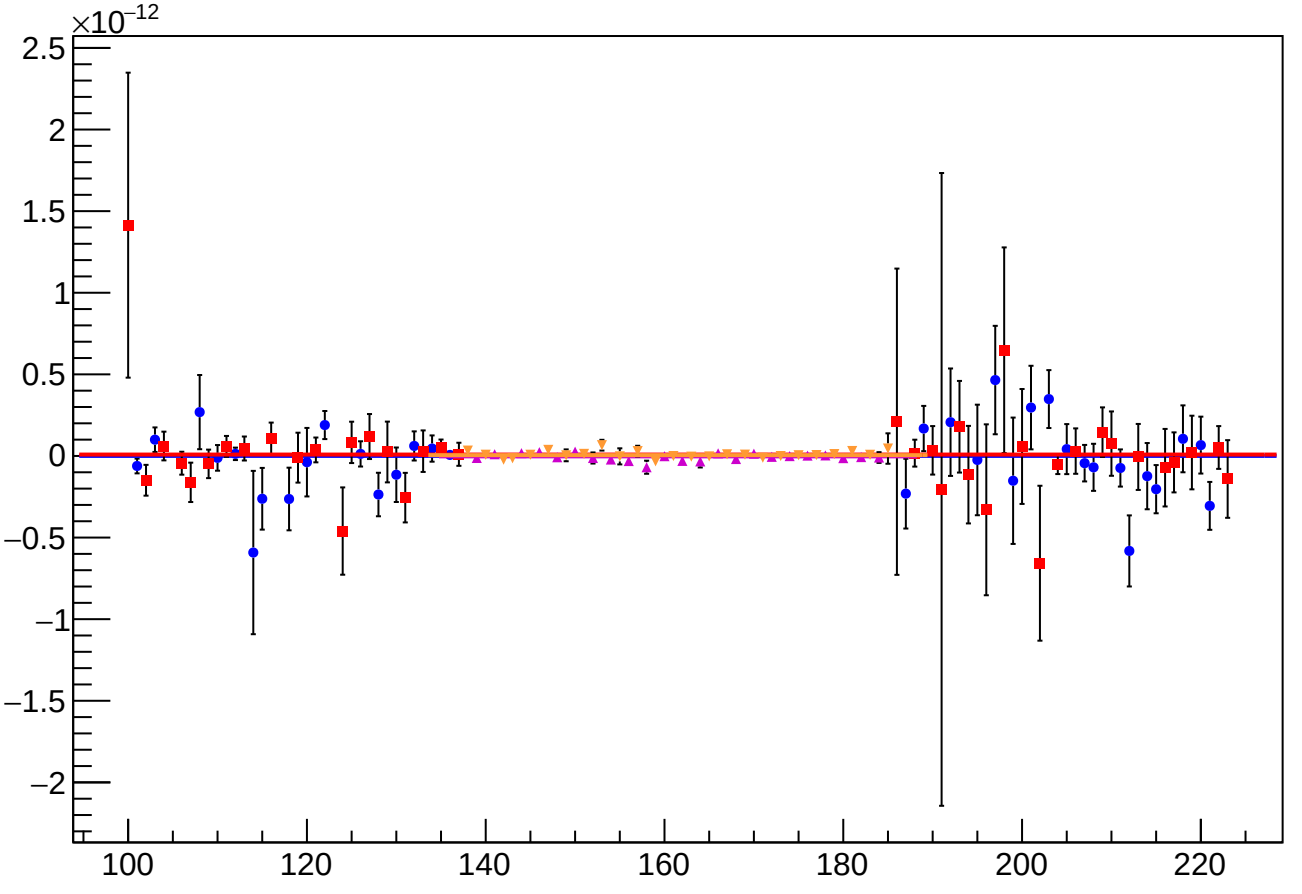
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 668.860+/-0.084 χ^2/NDF: 18018901.5/58

All: 670.558+/-0.060 χ^2/NDF: 37080729.2/12

- sign 672.310+/-0.085 χ^2/NDF: 19060987.4/61

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 45.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

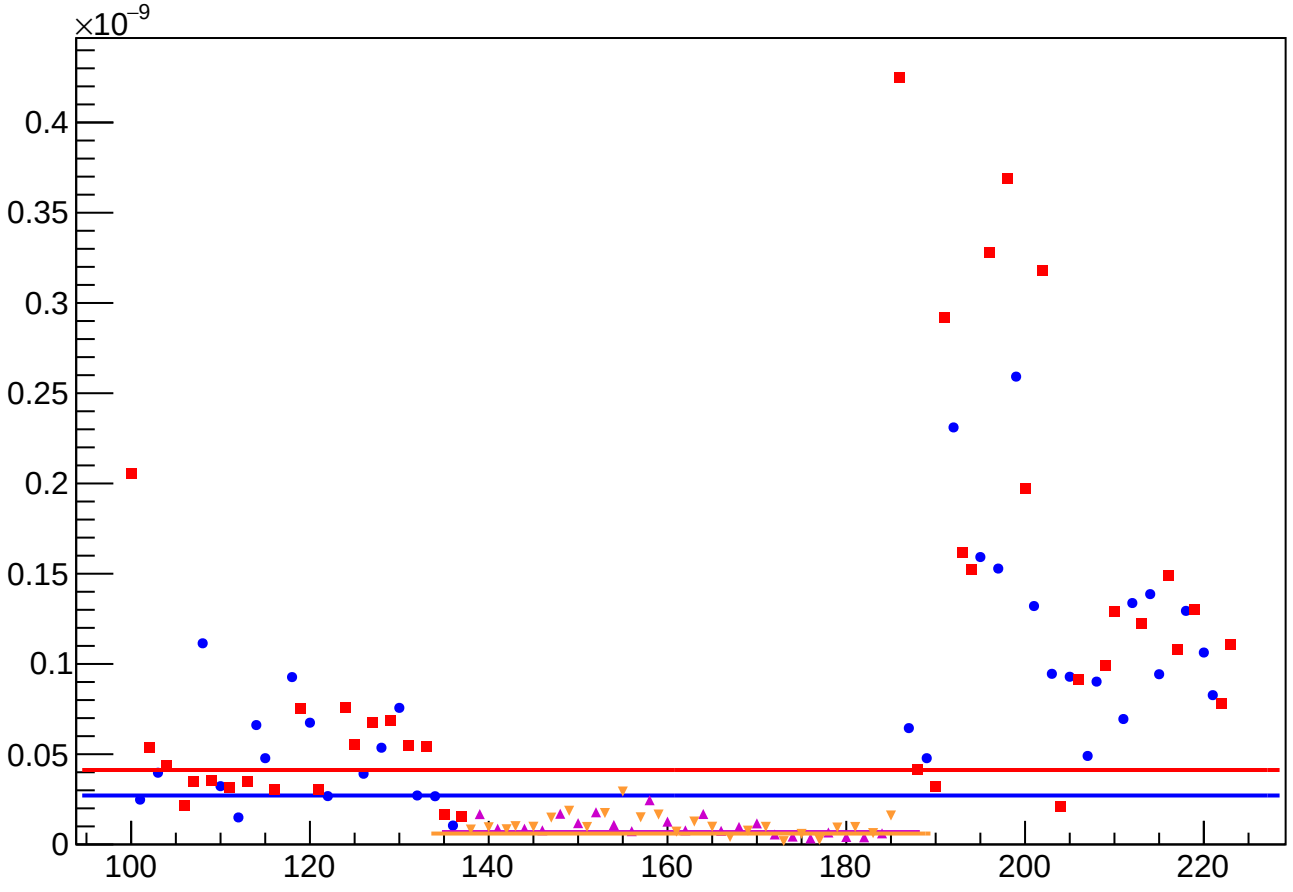
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/38

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.9/58

All: 0.000+/-0.000 χ^2/NDF: 108.8/120

- sign -0.000+/-0.000 χ^2/NDF: 45.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 9186027.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7572893.6/38

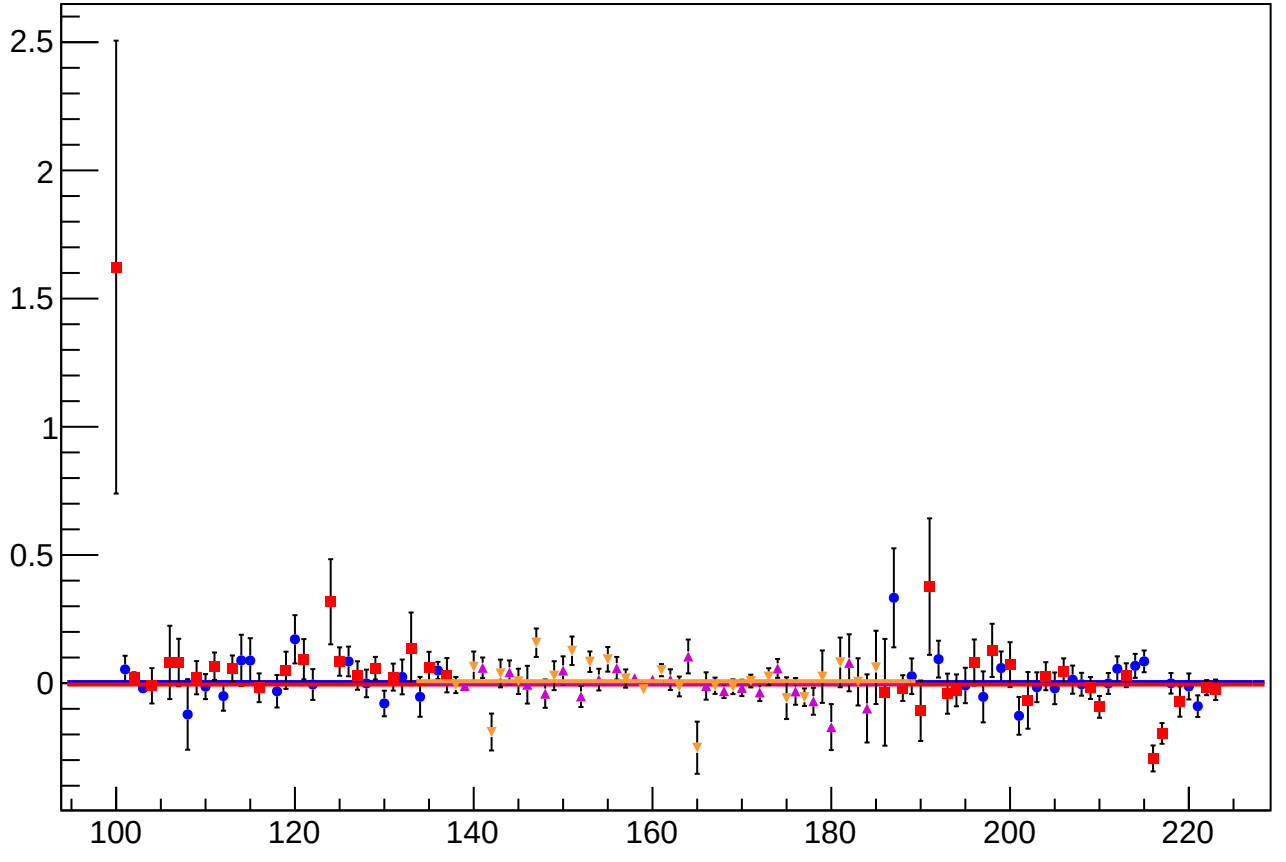
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17371210.5/58

All: 0.000+/-0.000 χ^2/NDF: 34612290.7/120

- sign 0.000+/-0.000 χ^2/NDF: 17143399.3/61

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.009 χ^2/NDF: 37.5/33

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.005+/-0.009 χ^2/NDF: 92.8/38

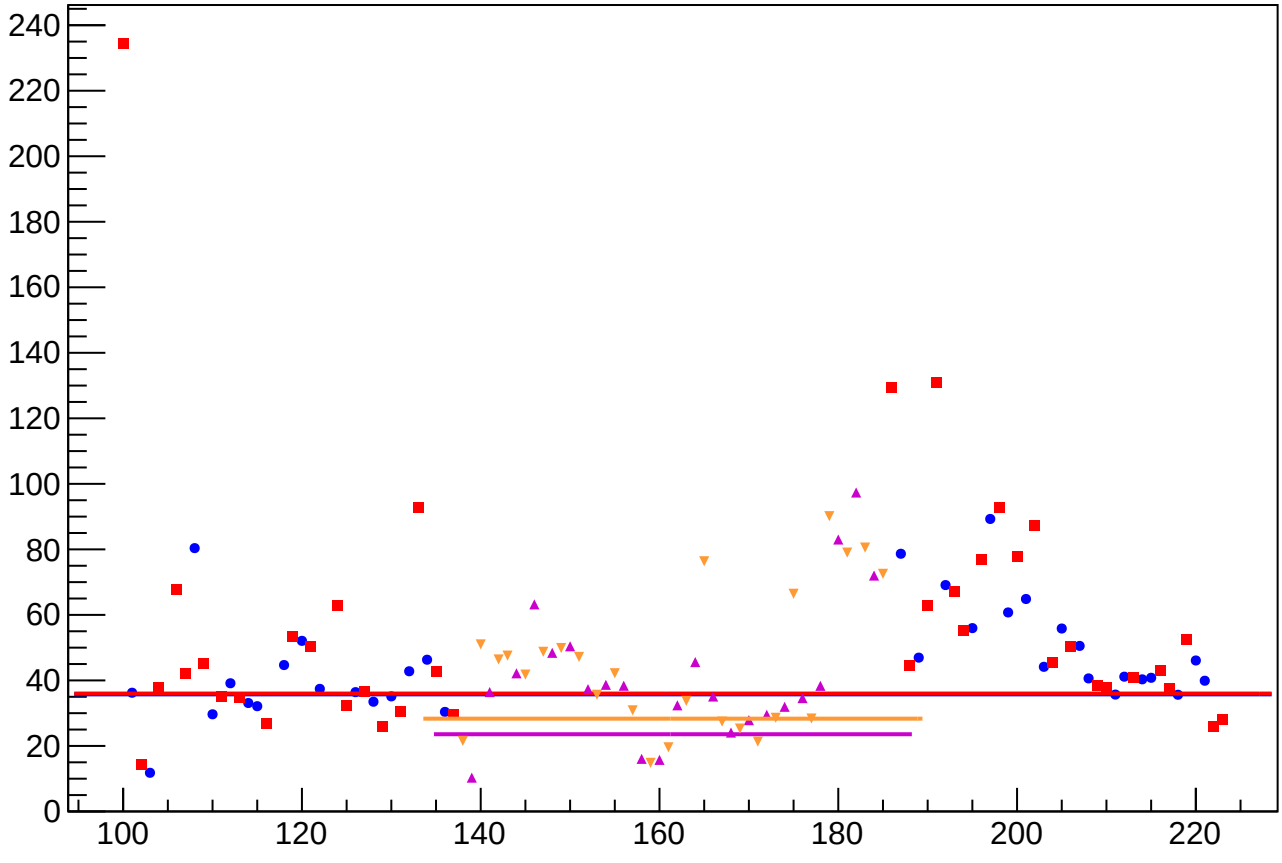
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 85.1/58

All: 0.002+/-0.004 χ^2/NDF: 204.4/120

- sign -0.001+/-0.005 χ^2/NDF: 118.3/61

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.006 χ^2/NDF: 5983209.3/33

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

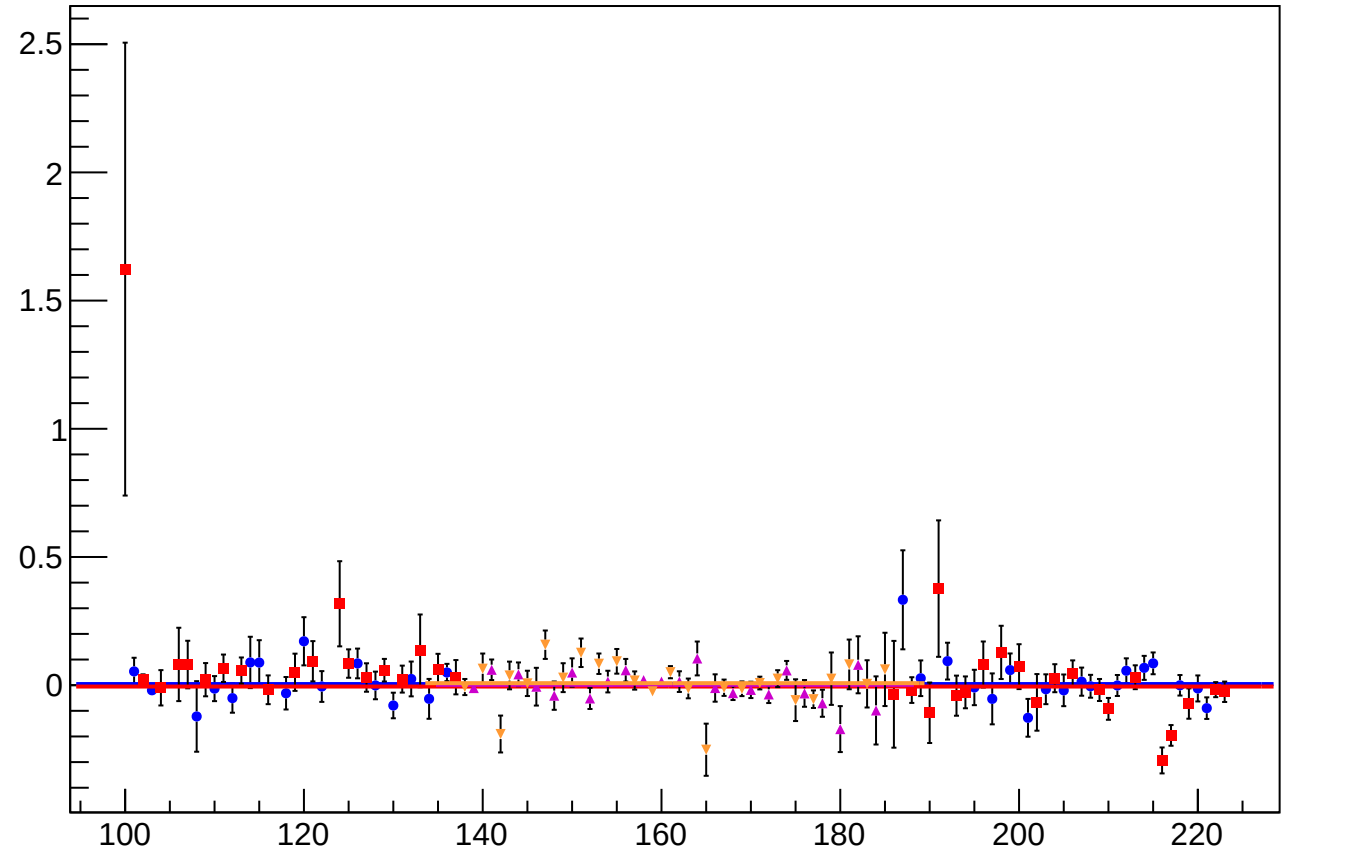
Right Out: 35.987+/-0.006 χ^2/NDF: 7051353.8/38

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.505+/-0.004 χ^2/NDF: 13593105.4/58

All: 29.766+/-0.003 χ^2/NDF: 31752790.5/120

- sign 28.232+/-0.004 χ^2/NDF: 17812807.1/61



Right In: 0.004+/-0.009 χ^2/NDF: 37.5/33

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.005+/-0.009 χ^2/NDF: 92.8/38

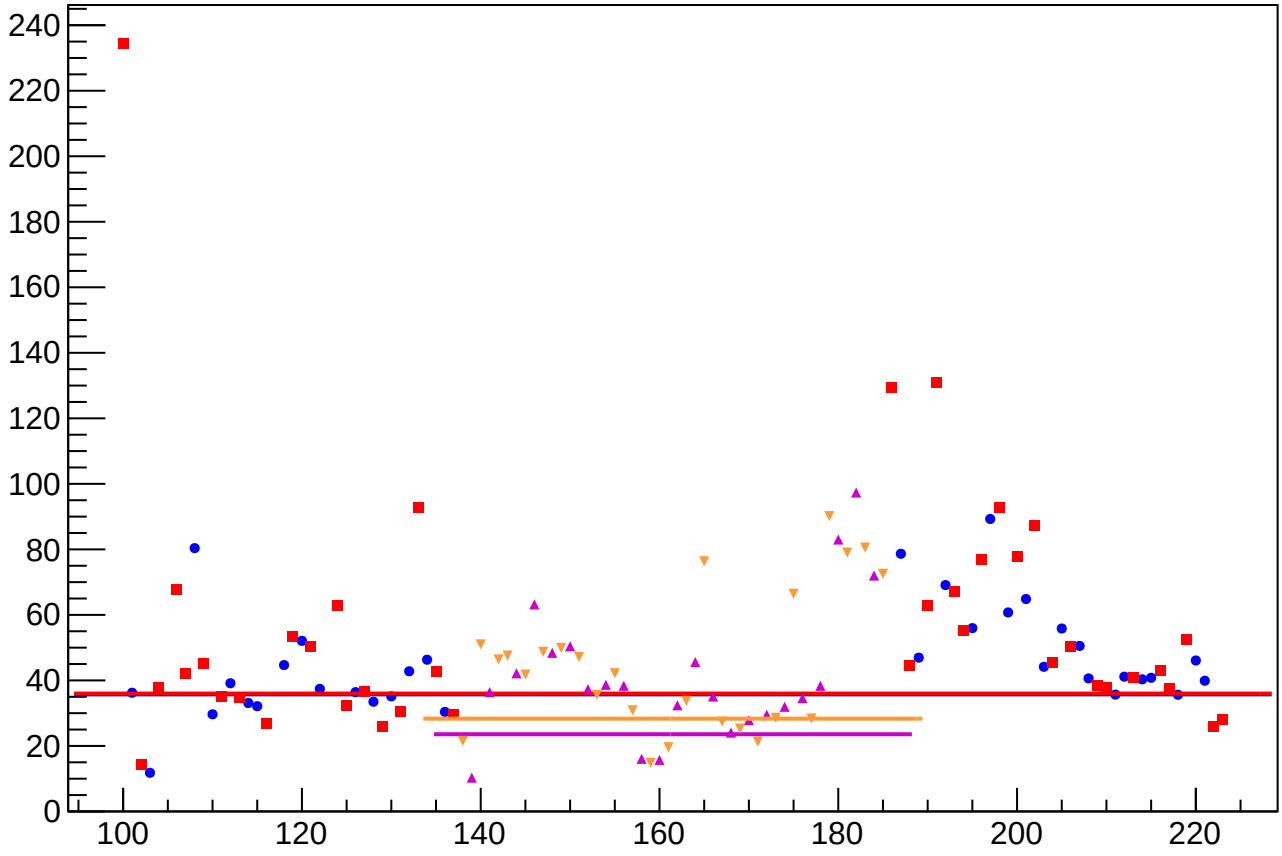
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 85.1/58

All: 0.002+/-0.004 χ^2/NDF: 204.4/120

- sign -0.001+/-0.005 χ^2/NDF: 118.3/61

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.006 χ^2/NDF: 5983209.3/33

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

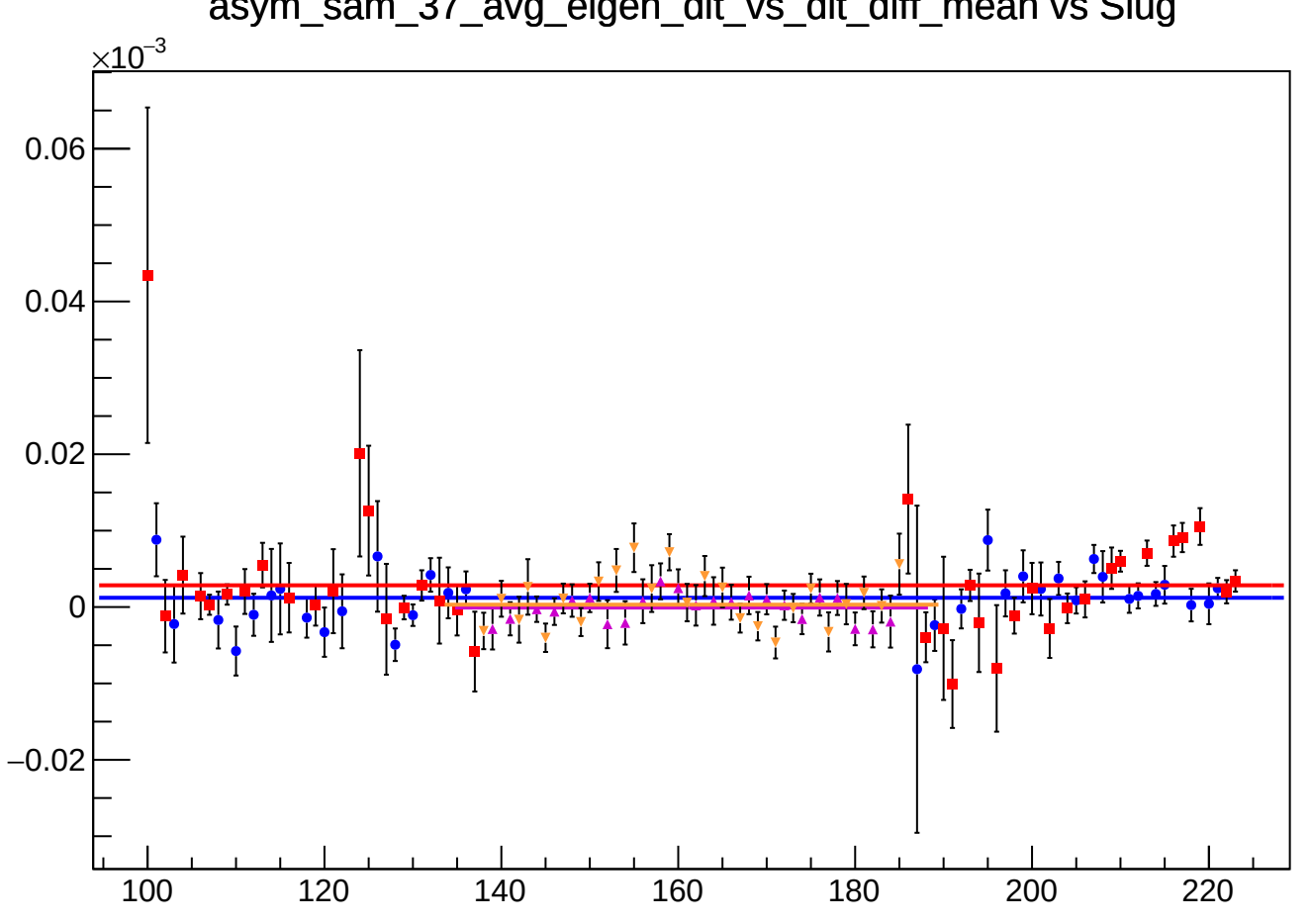
Right Out: 35.987+/-0.006 χ^2/NDF: 7051353.8/38

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.505+/-0.004 χ^2/NDF: 13593105.4/58

All: 29.766+/-0.003 χ^2/NDF: 31752790.5/120

- sign 28.232+/-0.004 χ^2/NDF: 17812807.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 43.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

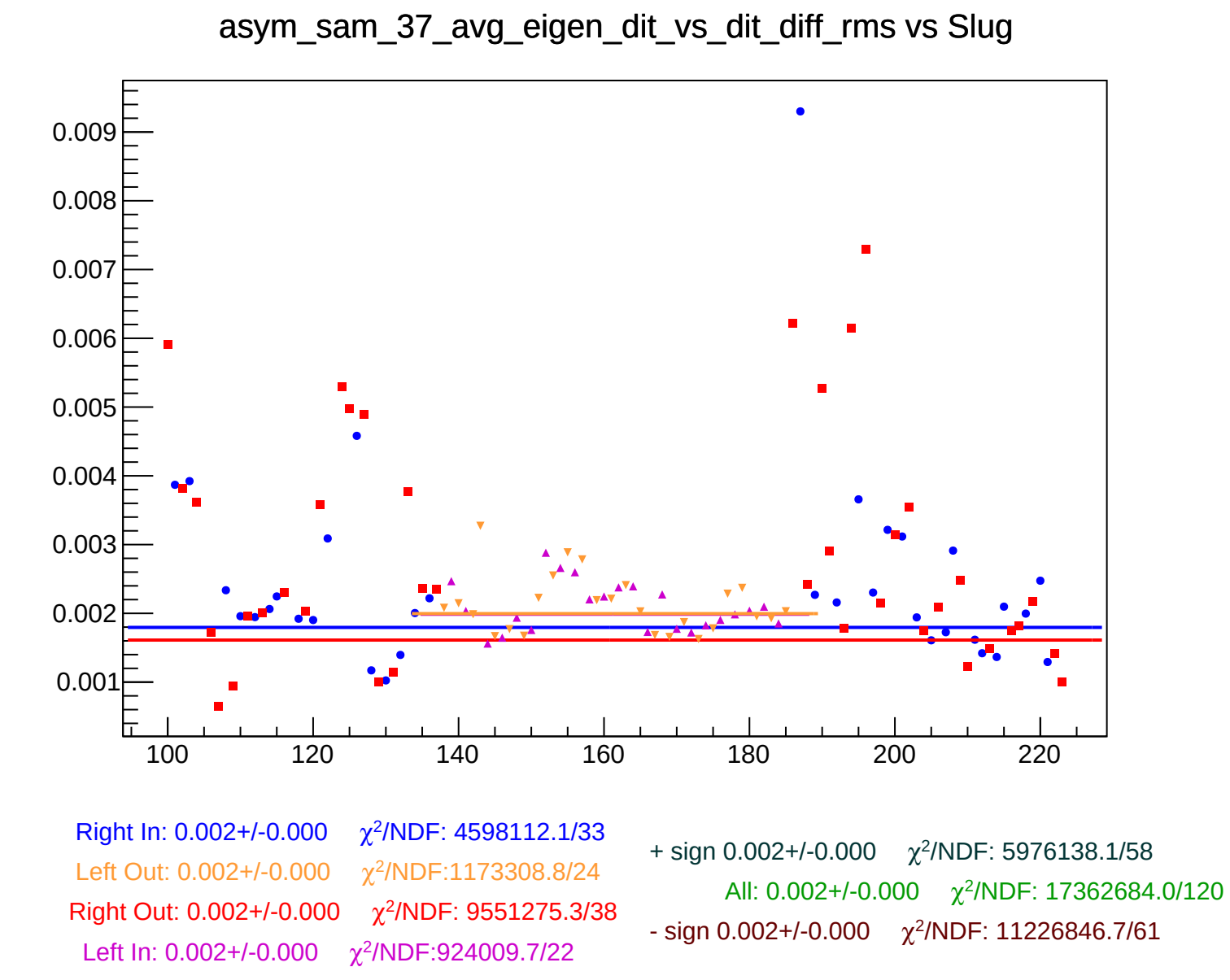
Right Out: 0.000+/-0.000 χ^2/NDF: 85.2/38

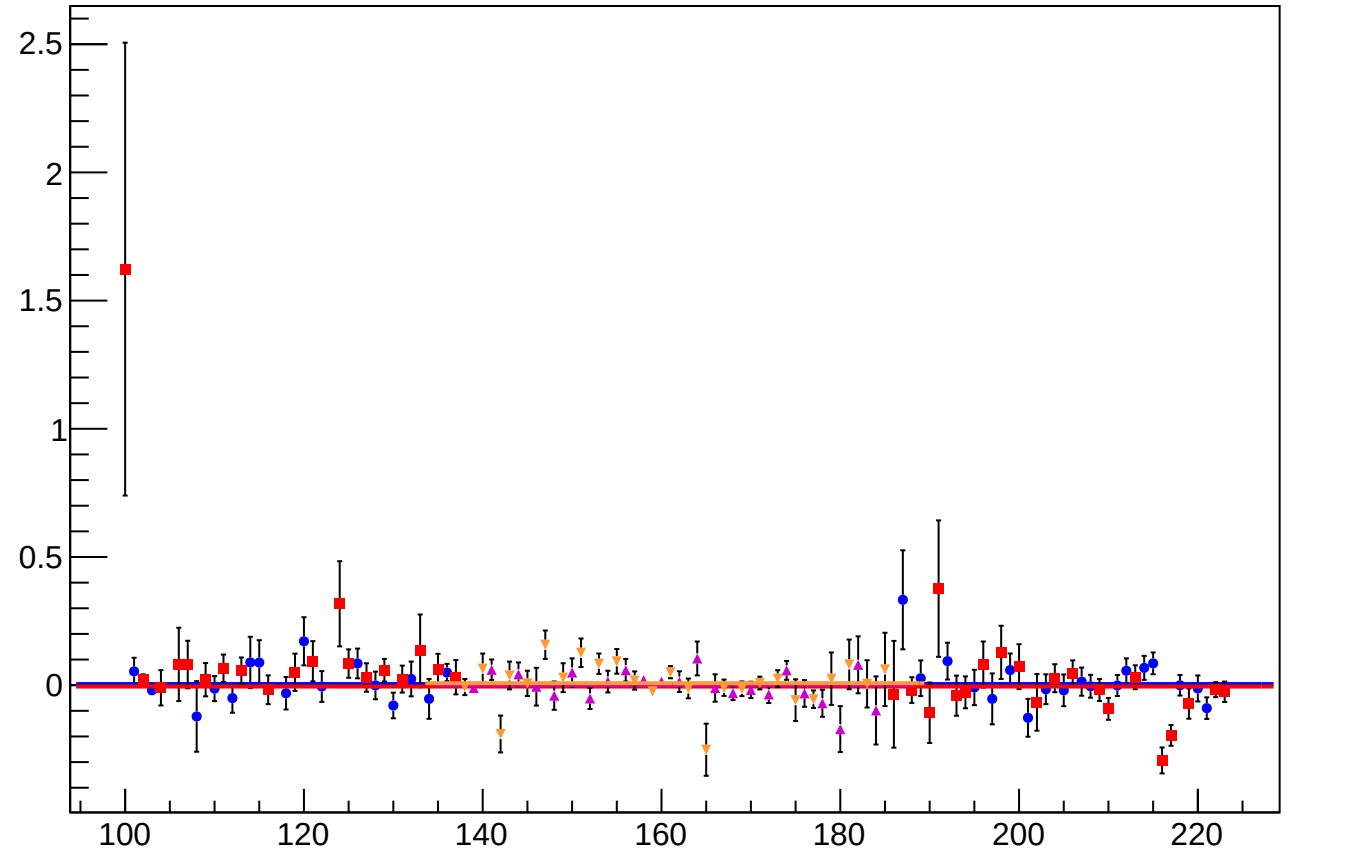
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.9/58

All: 0.000+/-0.000 χ^2/NDF: 214.8/120

- sign 0.000+/-0.000 χ^2/NDF: 119.9/61


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 4598112.1/33
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 9551275.3/38
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 5976138.1/58
All: 0.002+/-0.000 χ²/NDF: 17362684.0/120
- sign 0.002+/-0.000 χ²/NDF: 11226846.7/61



Right In: 0.004+/-0.009 χ^2/NDF: 37.5/33

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.005+/-0.009 χ^2/NDF: 92.8/38

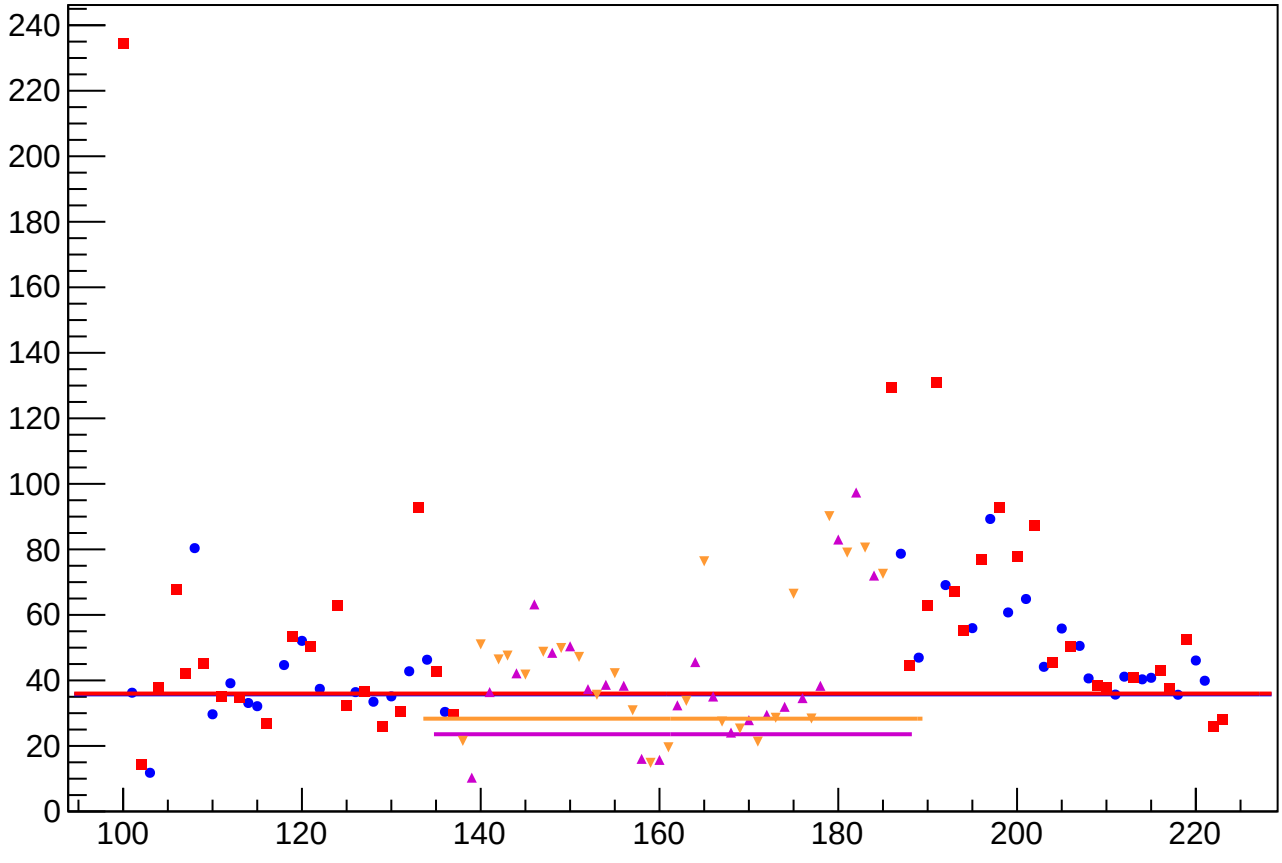
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 85.1/58

All: 0.002+/-0.004 χ^2/NDF: 204.4/120

- sign -0.001+/-0.005 χ^2/NDF: 118.3/61

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.741+/-0.006 χ^2/NDF: 5983644.1/33

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

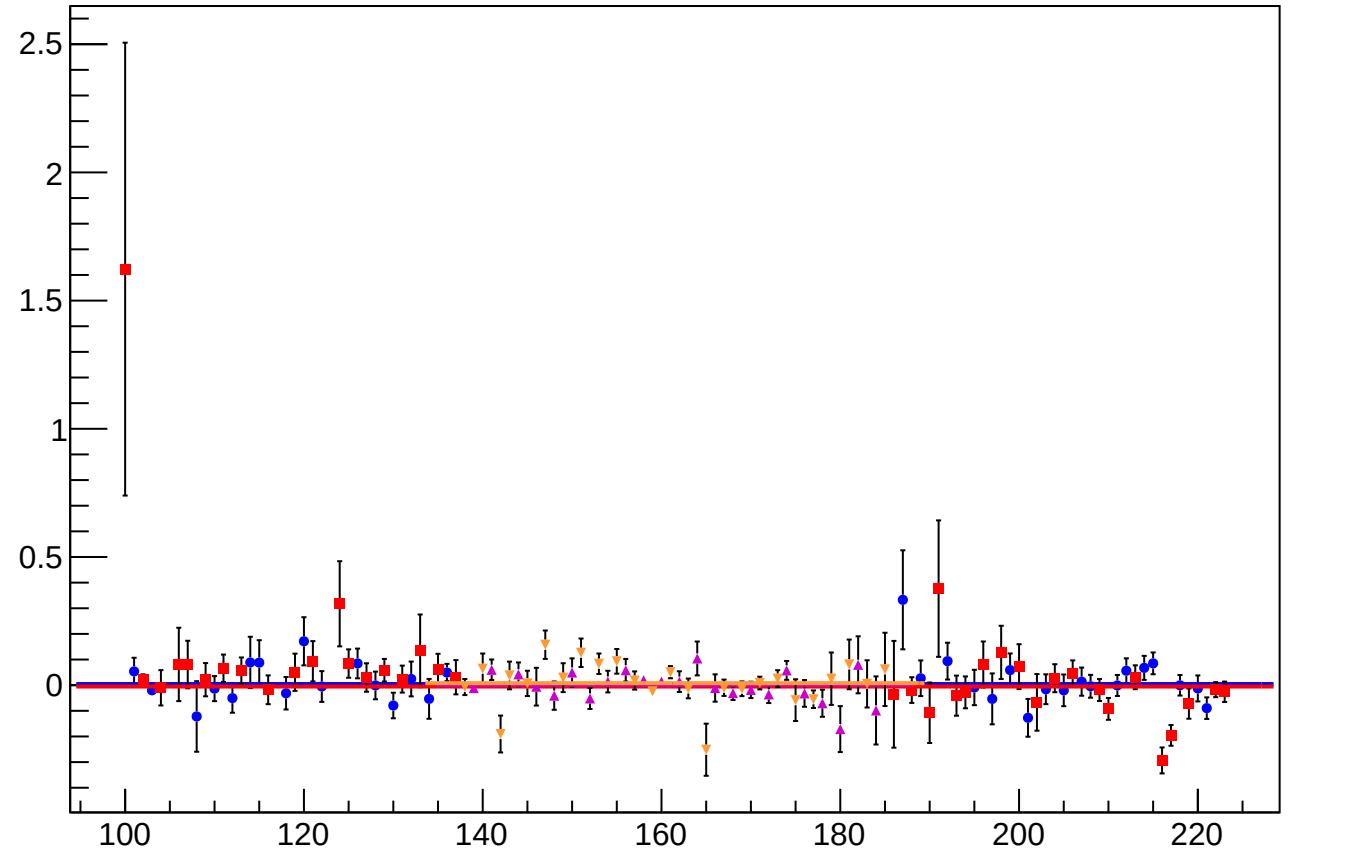
Right Out: 35.989+/-0.006 χ^2/NDF: 7050230.9/38

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.504+/-0.004 χ^2/NDF: 13593961.1/58

All: 29.766+/-0.003 χ^2/NDF: 31754658.9/120

- sign 28.232+/-0.004 χ^2/NDF: 17813821.6/61



Right In: 0.004+/-0.009 χ^2/NDF: 37.5/33

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

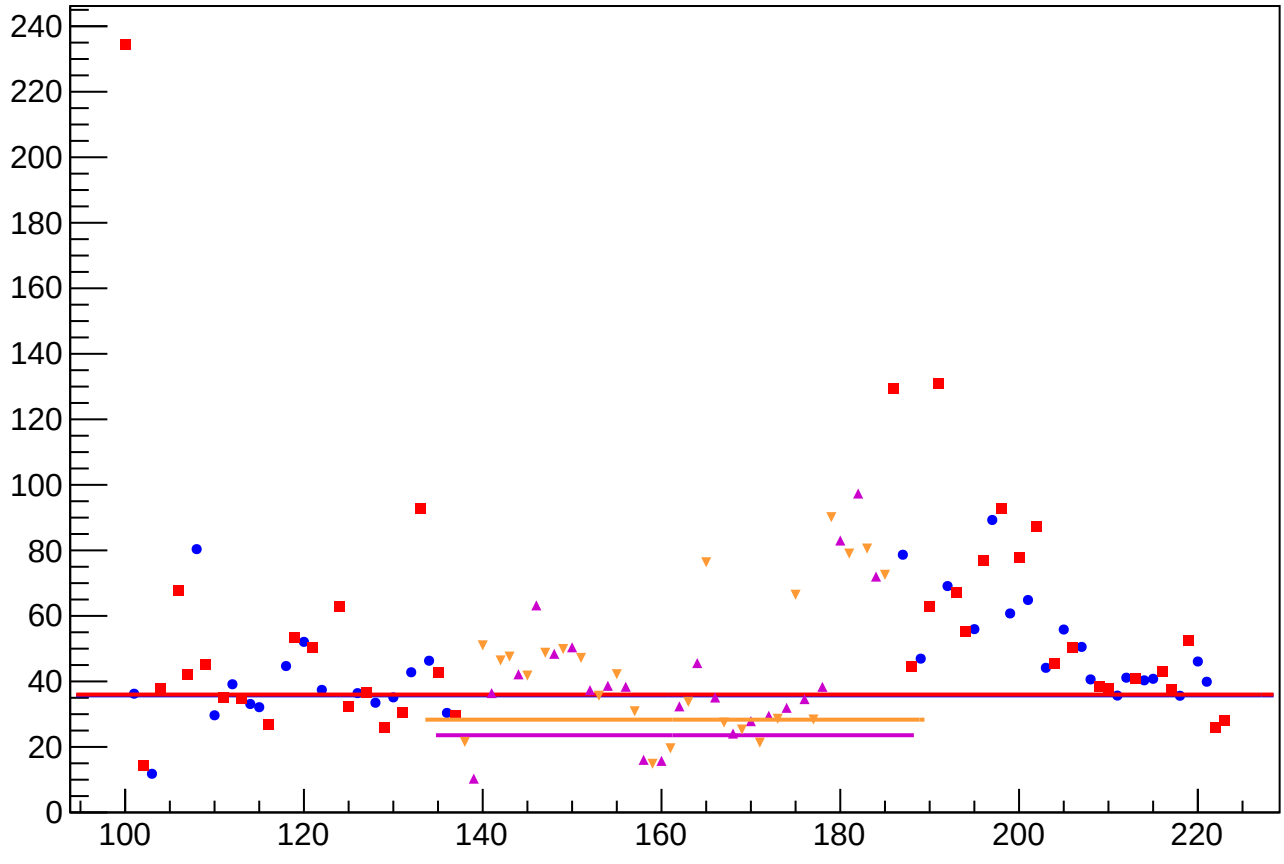
Right Out: -0.005+/-0.009 χ^2/NDF: 92.8/38

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 85.1/58

All: 0.002+/-0.004 χ^2/NDF: 204.4/120

- sign -0.001+/-0.005 χ^2/NDF: 118.3/61



Right In: 35.741+/-0.006 χ^2/NDF: 5983644.1/33

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

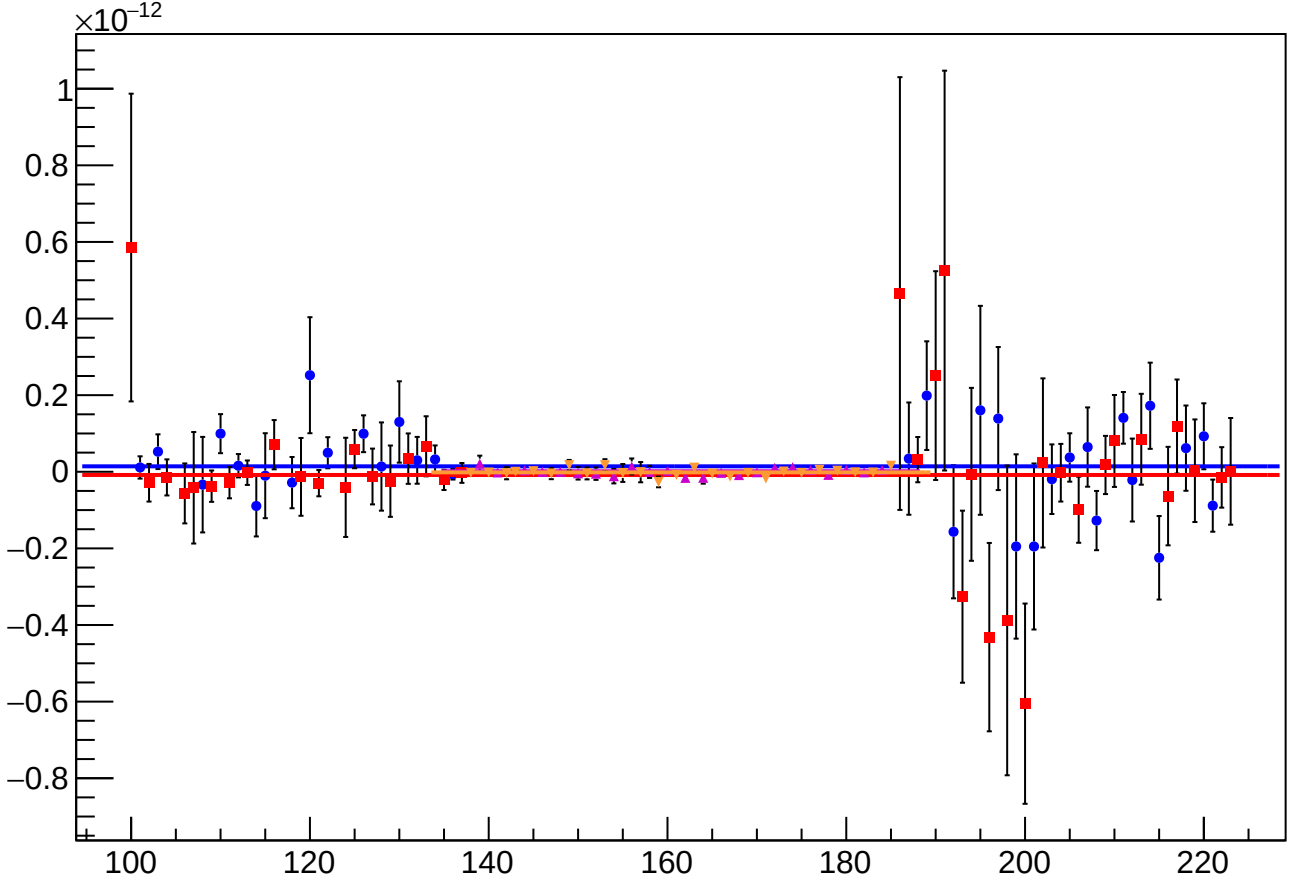
Right Out: 35.989+/-0.006 χ^2/NDF: 7050230.9/38

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.504+/-0.004 χ^2/NDF: 13593961.1/58

All: 29.766+/-0.003 χ^2/NDF: 31754658.9/120

- sign 28.232+/-0.004 χ^2/NDF: 17813821.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

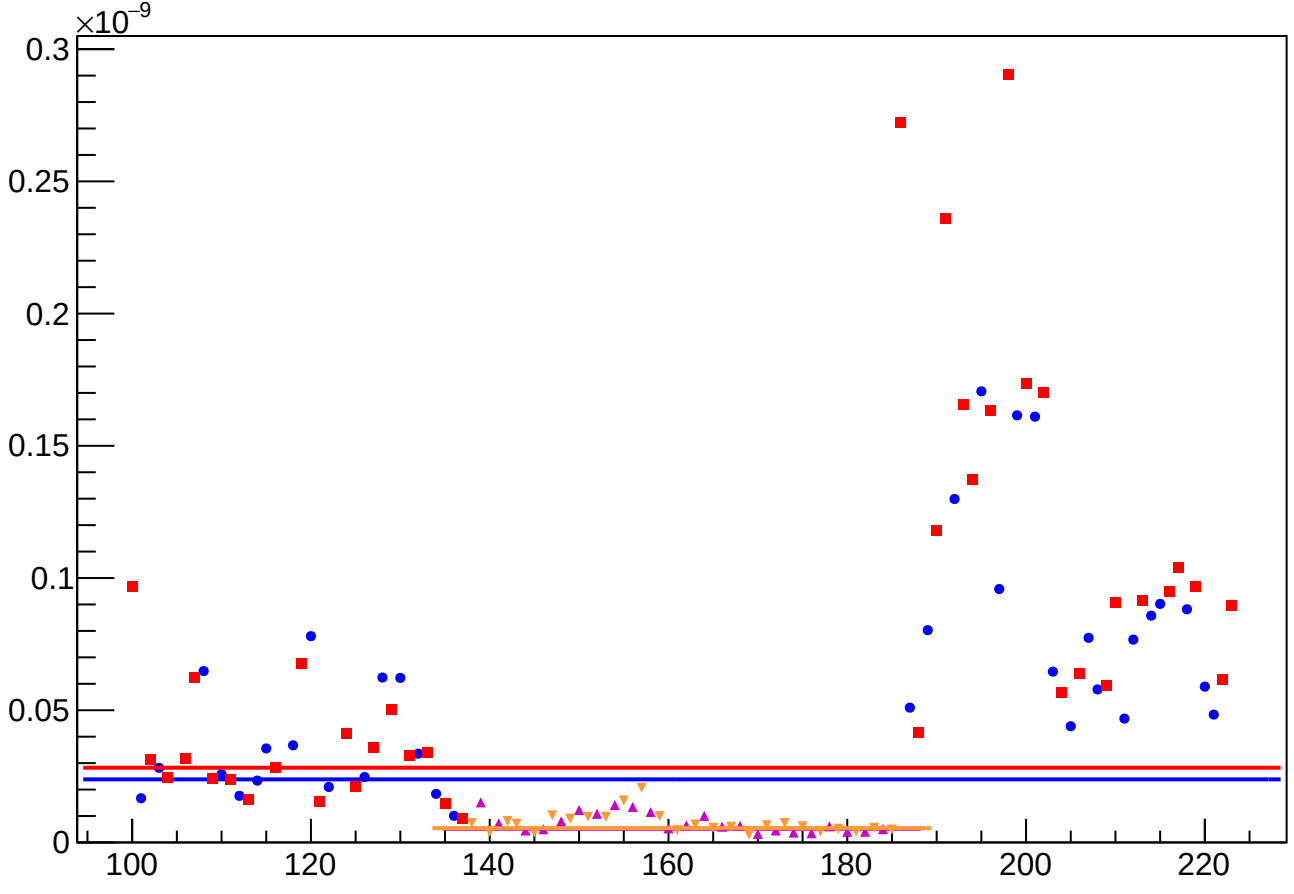
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/38

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/58

All: 0.000+/-0.000 χ^2/NDF: 103.6/120

- sign 0.000+/-0.000 χ^2/NDF: 43.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 11692299.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12692034.6/38

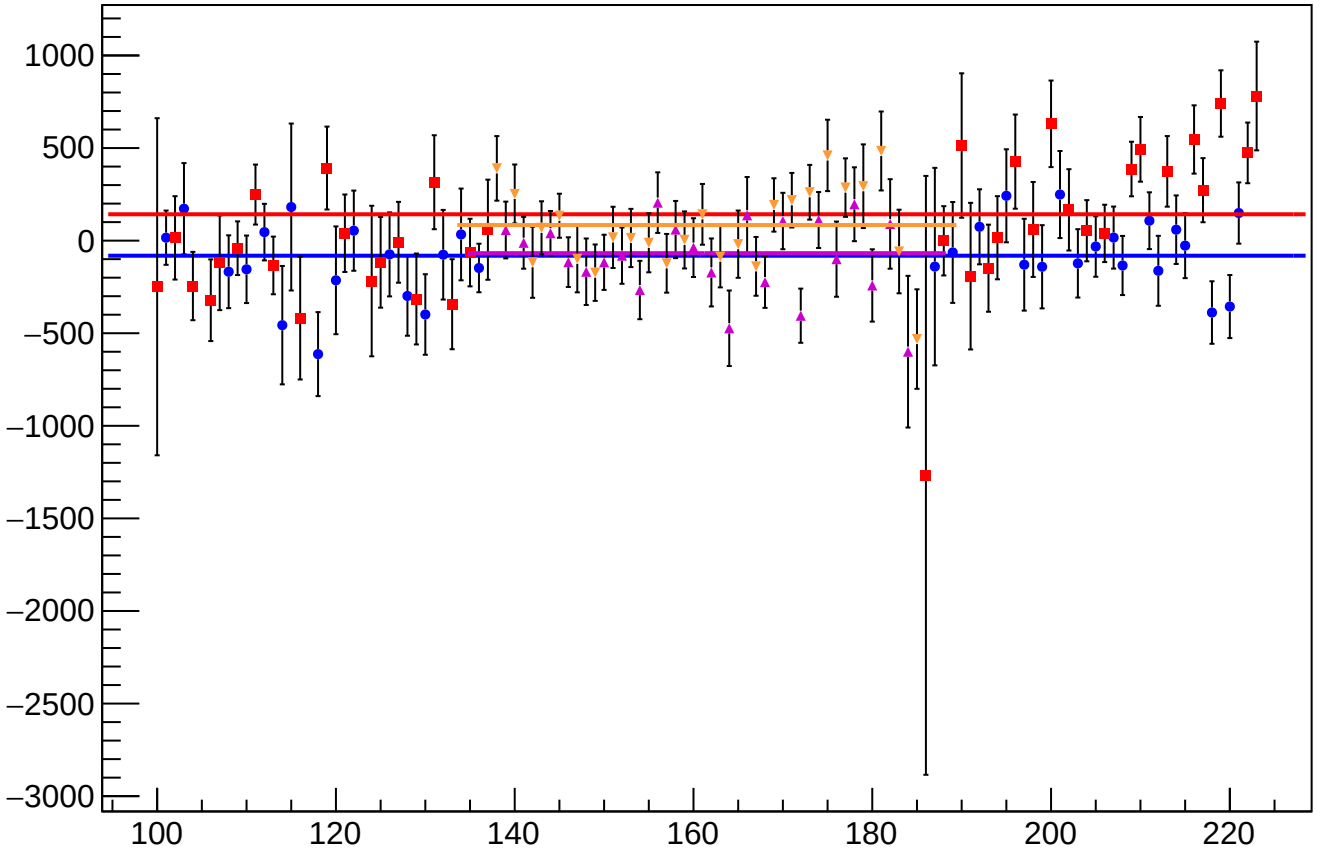
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 23223140.1/58

All: 0.000+/-0.000 χ^2/NDF: 49649121.9/120

- sign 0.000+/-0.000 χ^2/NDF: 26398954.2/61

reg_asym_sam_48_avg_mean vs Slug



Right In: -81.392+/-33.821 χ^2/NDF: 29.2/33

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 142.433+/-33.740 χ^2/NDF: 76.5/38

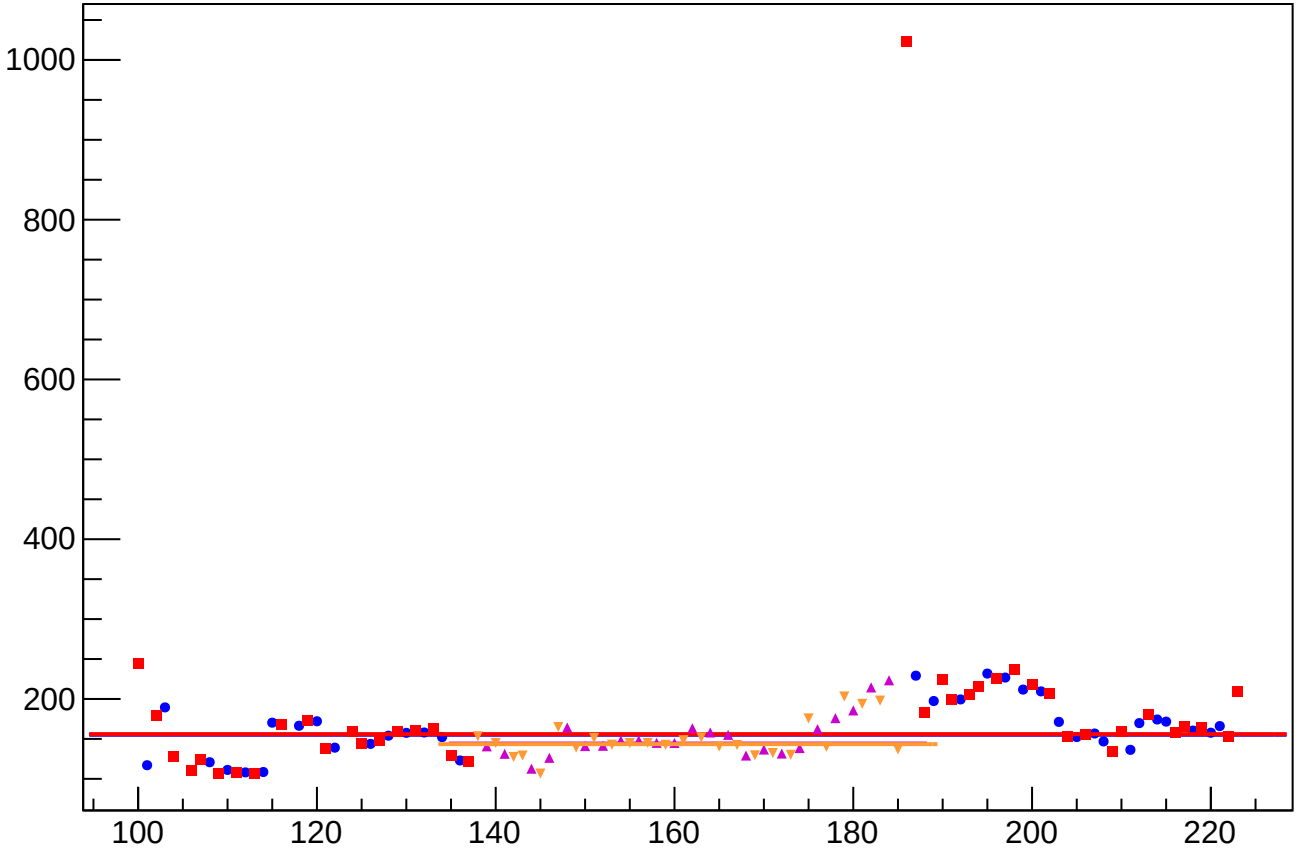
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 3.414+/-23.633 χ^2/NDF: 75.3/58

All: 20.748+/-16.838 χ^2/NDF: 198.5/120

- sign 38.621+/-23.997 χ^2/NDF: 122.2/61

reg_asym_sam_48_avg_rms vs Slug



Right In: 155.227+/-0.024 χ^2/NDF: 1617794.3/33

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.944+/-0.024 χ^2/NDF: 2599494.8/38

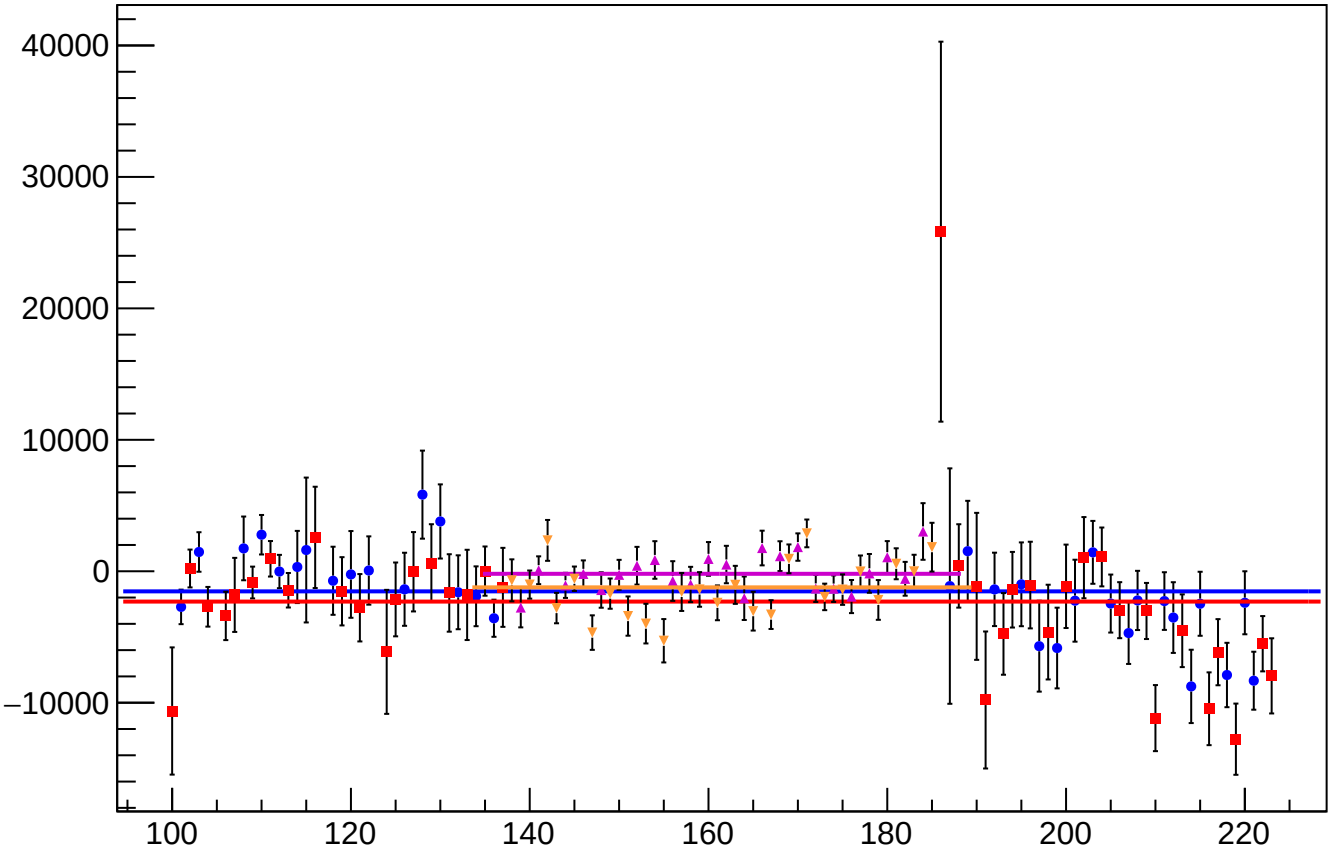
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 149.197+/-0.017 χ^2/NDF: 2489073.9/58

All: 149.654+/-0.012 χ^2/NDF: 5913138.5/120

- sign 150.126+/-0.017 χ^2/NDF: 3422542.7/61

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -1529.407+/-391.462 χ^2/NDF: 59.9/33

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -2306.449+/-377.158 χ^2/NDF: 76.8/38

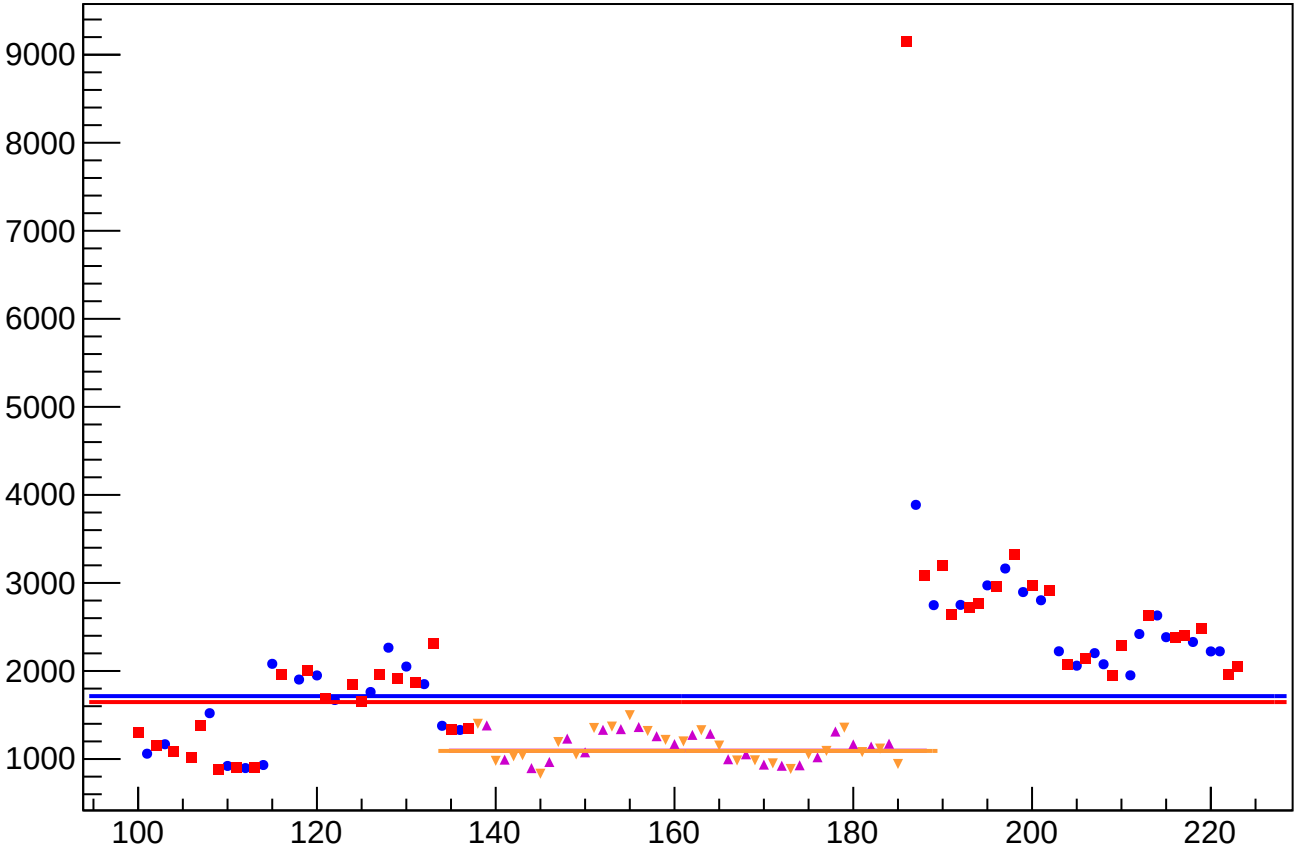
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1314.105+/-211.753 χ^2/NDF: 119.5/58

All: -1094.104+/-150.332 χ^2/NDF: 243.2/120

- sign -870.540+/-213.461 χ^2/NDF: 121.4/61

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1714.475+/-0.277 χ^2/NDF: 5502972.8/33

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1646.837+/-0.267 χ^2/NDF: 7436727.7/38

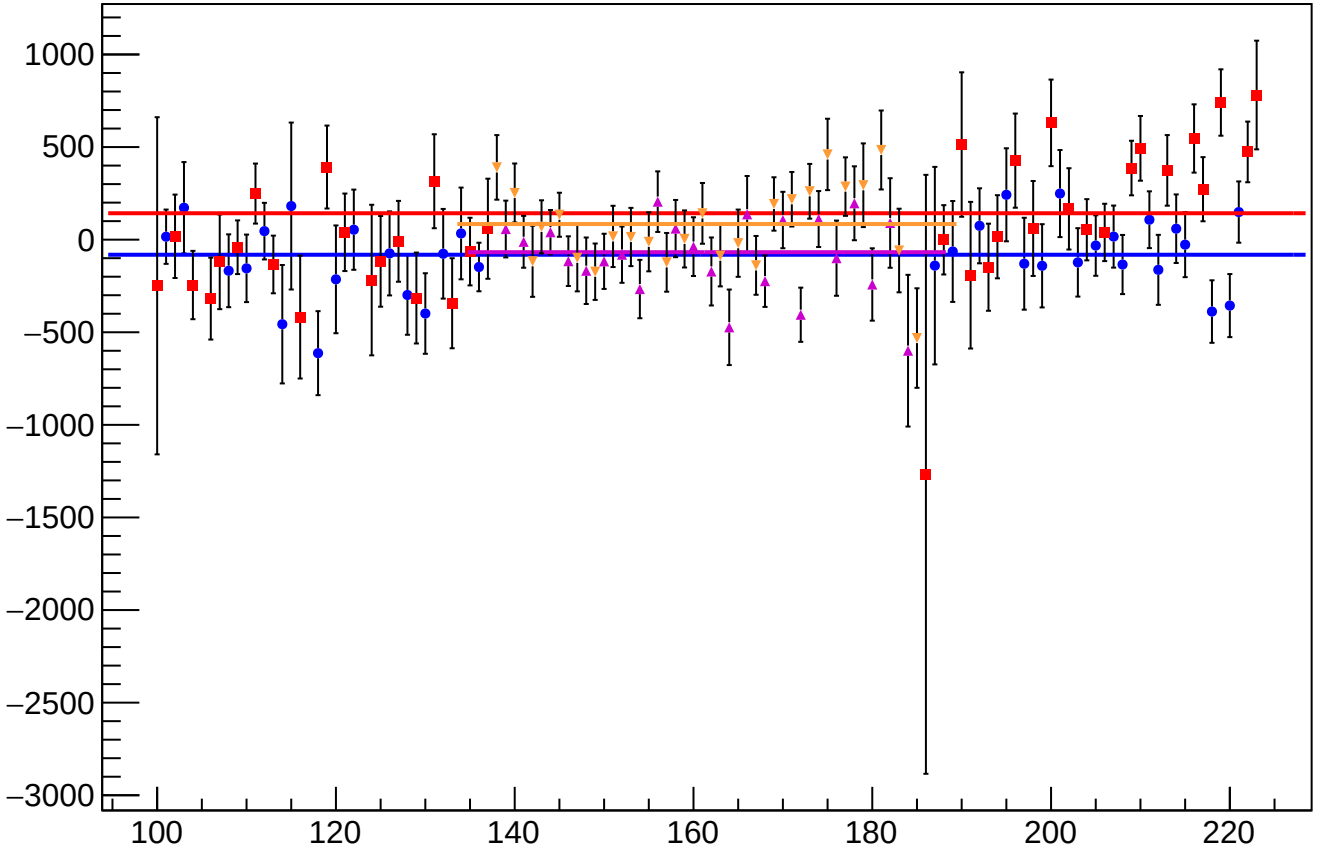
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1274.125+/-0.150 χ^2/NDF: 9972960.7/58

All: 1272.780+/-0.106 χ^2/NDF: 21058424.5/1

- sign 1271.413+/-0.151 χ^2/NDF: 11085301.2/61

cor_asym_sam_48_avg_mean vs Slug



Right In: -81.398+/-33.821 χ^2/NDF: 29.2/33

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 142.657+/-33.743 χ^2/NDF: 76.4/38

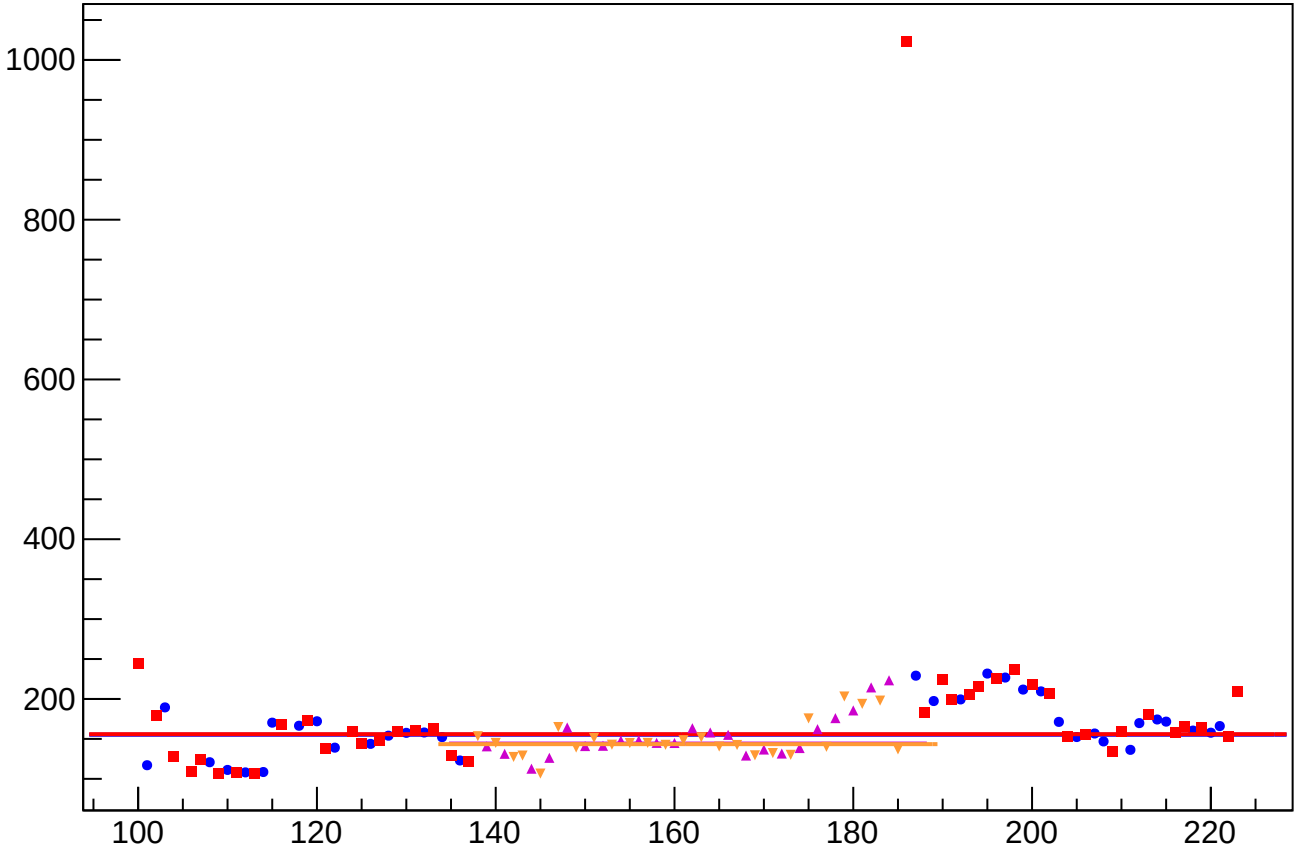
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 3.418+/-23.633 χ^2/NDF: 75.3/58

All: 20.801+/-16.838 χ^2/NDF: 198.5/120

- sign 38.725+/-23.998 χ^2/NDF: 122.1/61

cor_asym_sam_48_avg_rms vs Slug



Right In: 155.227+/-0.024 χ^2/NDF: 1617796.5/33

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.914+/-0.024 χ^2/NDF: 2605140.1/38

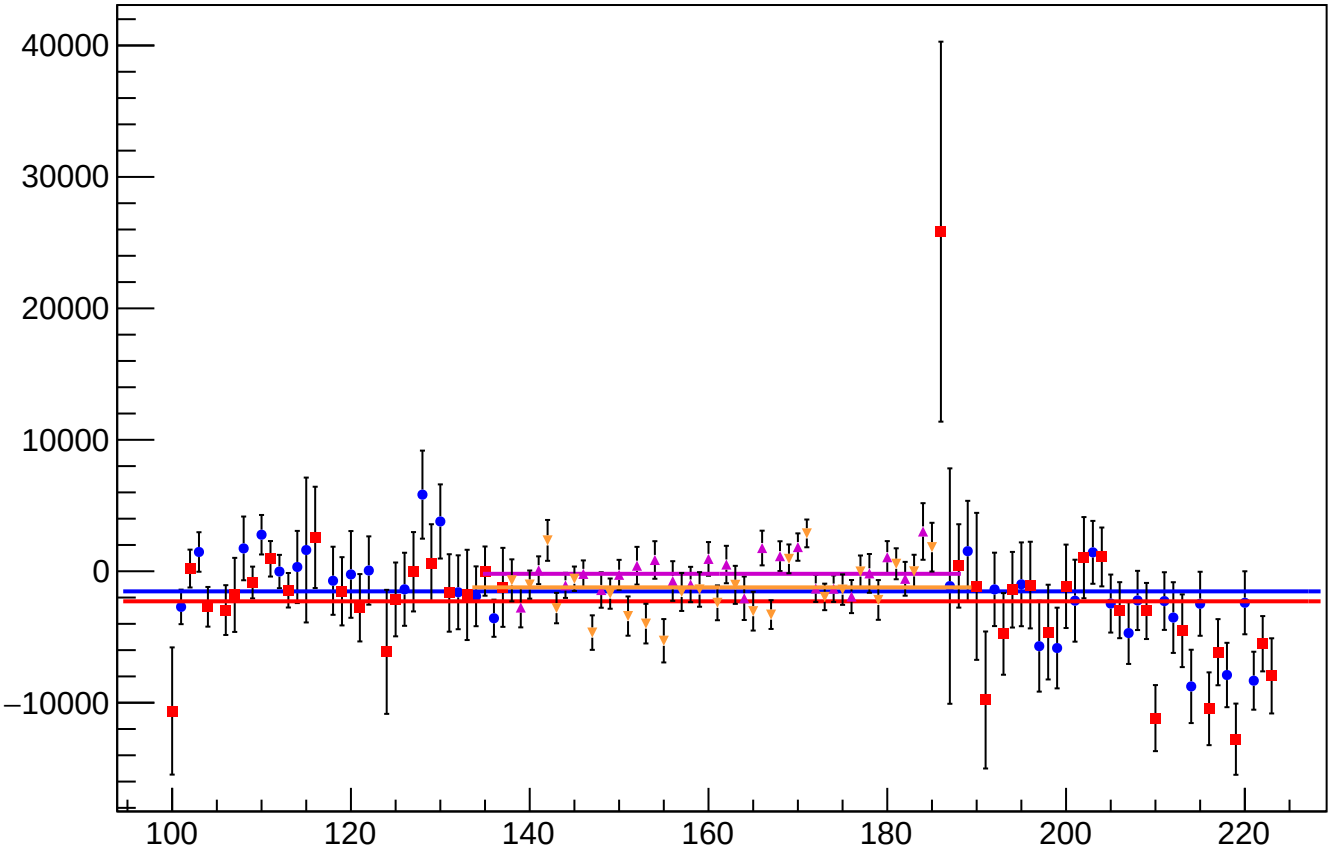
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 149.197+/-0.017 χ^2/NDF: 2489076.4/58

All: 149.647+/-0.012 χ^2/NDF: 5918129.9/120

- sign 150.111+/-0.017 χ^2/NDF: 3427581.3/61

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -1529.463+/-391.464 χ^2/NDF: 59.9/33

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -2286.616+/-377.639 χ^2/NDF: 76.6/38

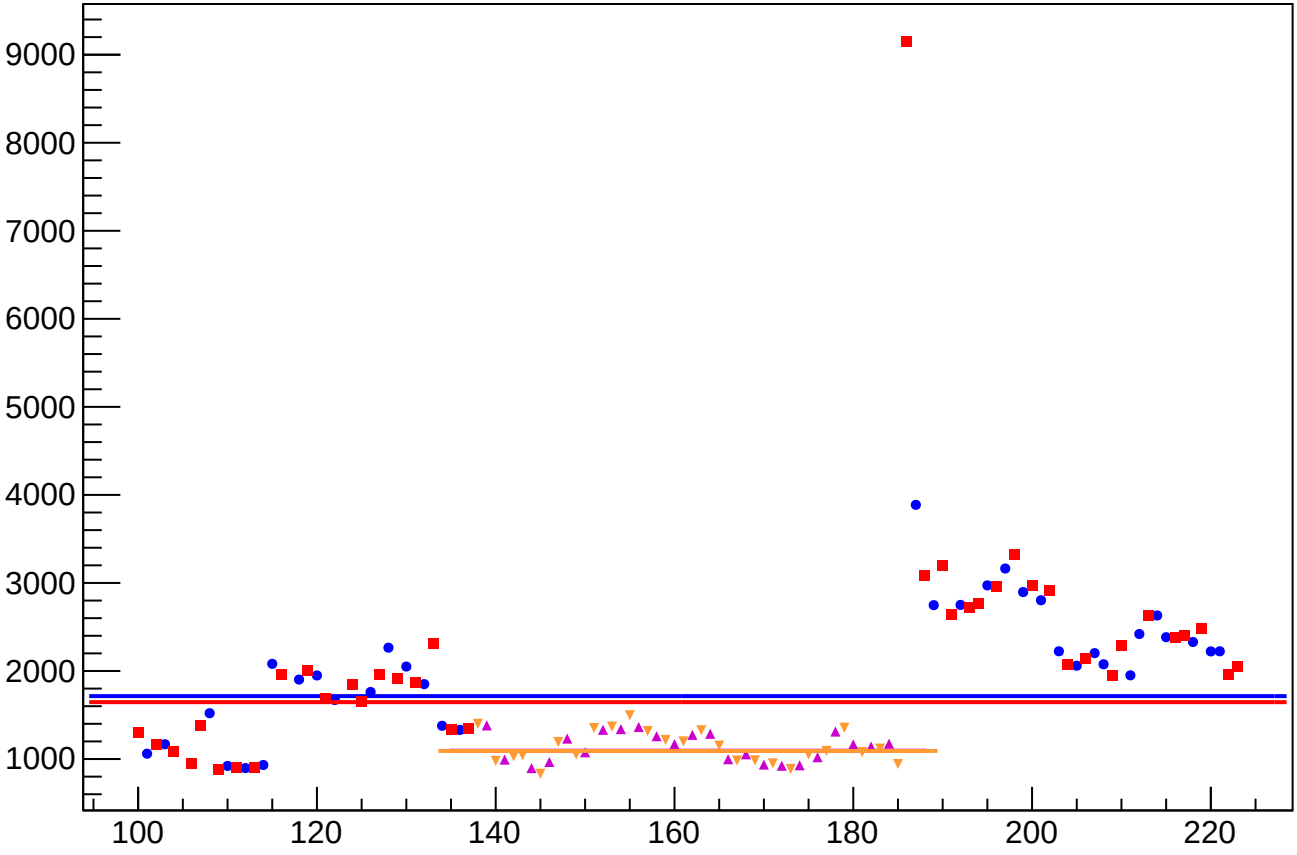
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1314.109+/-211.754 χ^2/NDF: 119.5/58

All: -1090.471+/-150.363 χ^2/NDF: 242.5/120

- sign -863.026+/-213.548 χ^2/NDF: 120.8/61

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1714.488+/-0.277 χ^2/NDF: 5502828.6/33

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1646.023+/-0.267 χ^2/NDF: 7467675.1/38

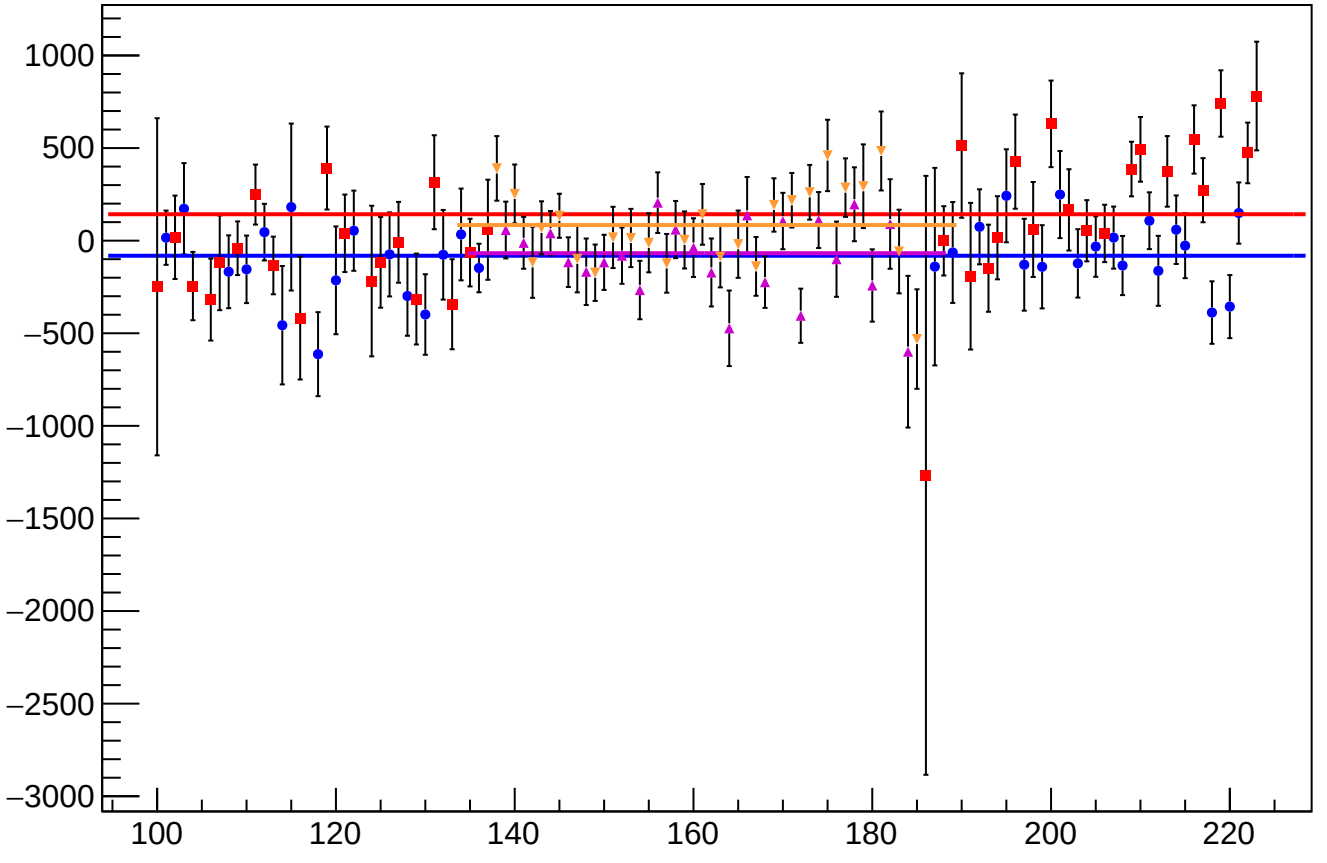
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1274.127+/-0.150 χ^2/NDF: 9972941.3/58

All: 1272.500+/-0.106 χ^2/NDF: 21075794.0/1

- sign 1270.846+/-0.151 χ^2/NDF: 11102614.7/61

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -81.398+/-33.821 χ^2/NDF: 29.2/33

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 142.657+/-33.743 χ^2/NDF: 76.4/38

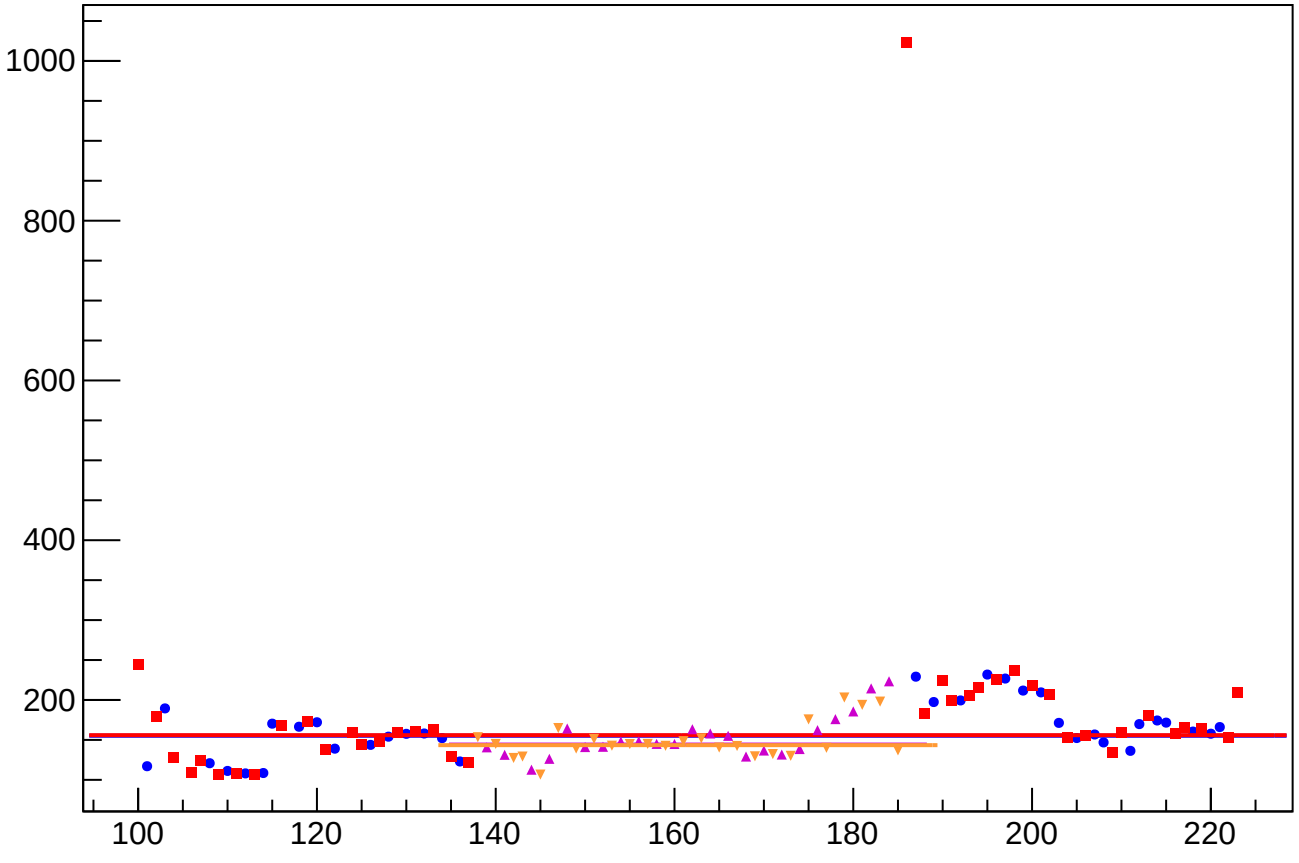
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 3.418+/-23.633 χ^2/NDF: 75.3/58

All: 20.801+/-16.838 χ^2/NDF: 198.5/120

- sign 38.725+/-23.998 χ^2/NDF: 122.1/61

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 155.227+/-0.024 χ^2/NDF: 1617796.5/33

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

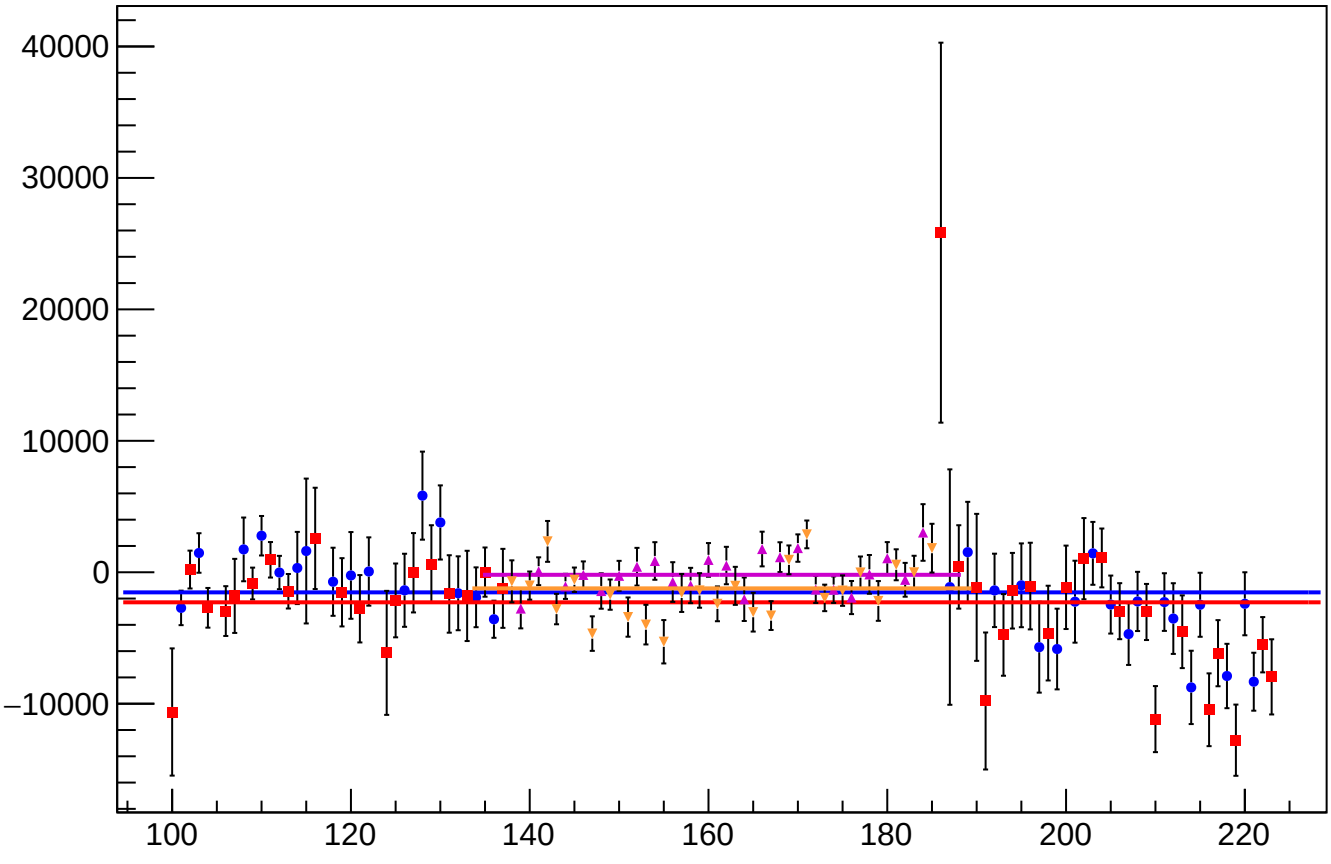
Right Out: 155.914+/-0.024 χ^2/NDF: 2605140.1/38

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 149.197+/-0.017 χ^2/NDF: 2489076.4/58

All: 149.647+/-0.012 χ^2/NDF: 5918129.9/120

- sign 150.111+/-0.017 χ^2/NDF: 3427581.3/61



Right In: -1529.463+/-391.464 χ^2/NDF: 59.9/33

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

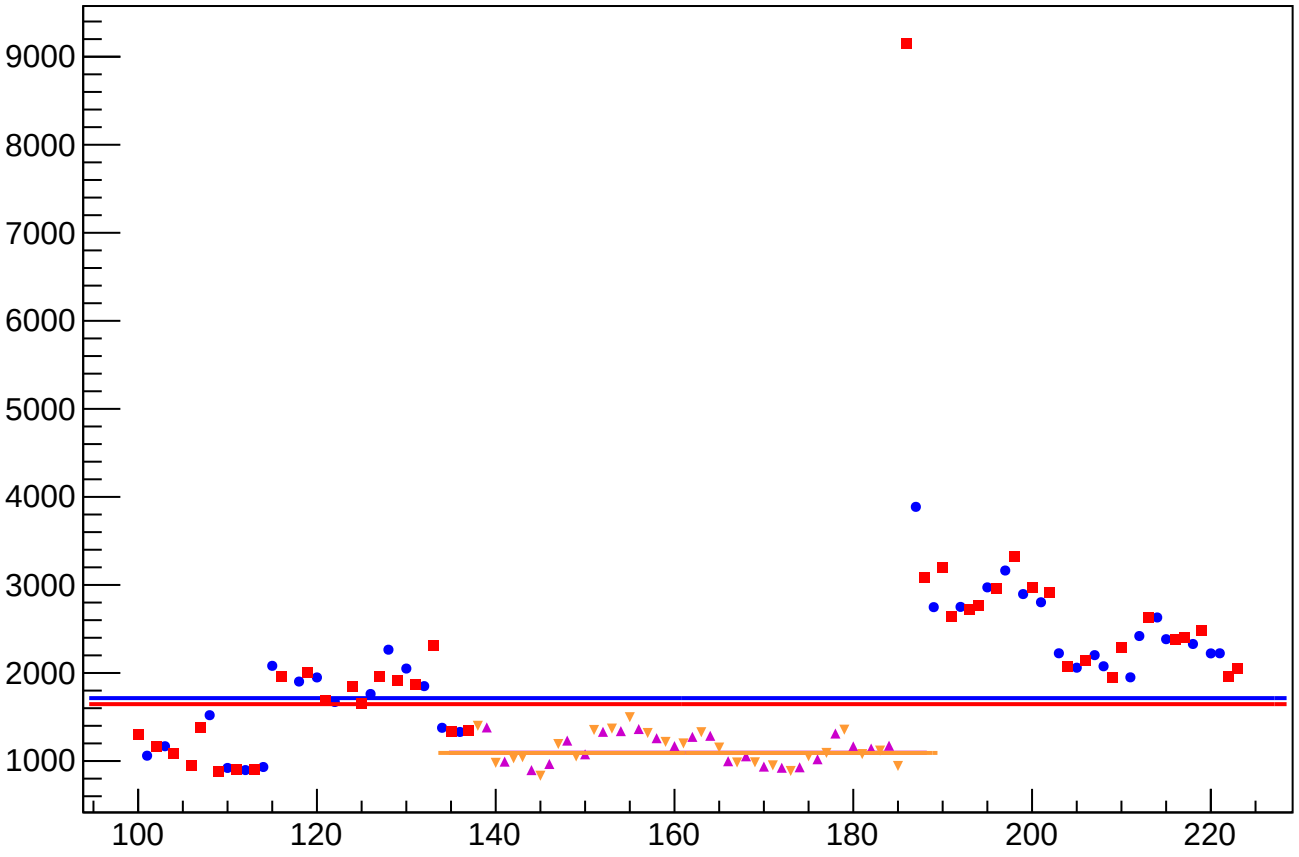
Right Out: -2286.616+/-377.639 χ^2/NDF: 76.6/38

Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1314.109+/-211.754 χ^2/NDF: 119.5/58

All: -1090.471+/-150.363 χ^2/NDF: 242.5/120

- sign -863.026+/-213.548 χ^2/NDF: 120.8/61



Right In: 1714.488+/-0.277 χ^2/NDF: 5502828.6/33

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1646.023+/-0.267 χ^2/NDF: 7467675.1/38

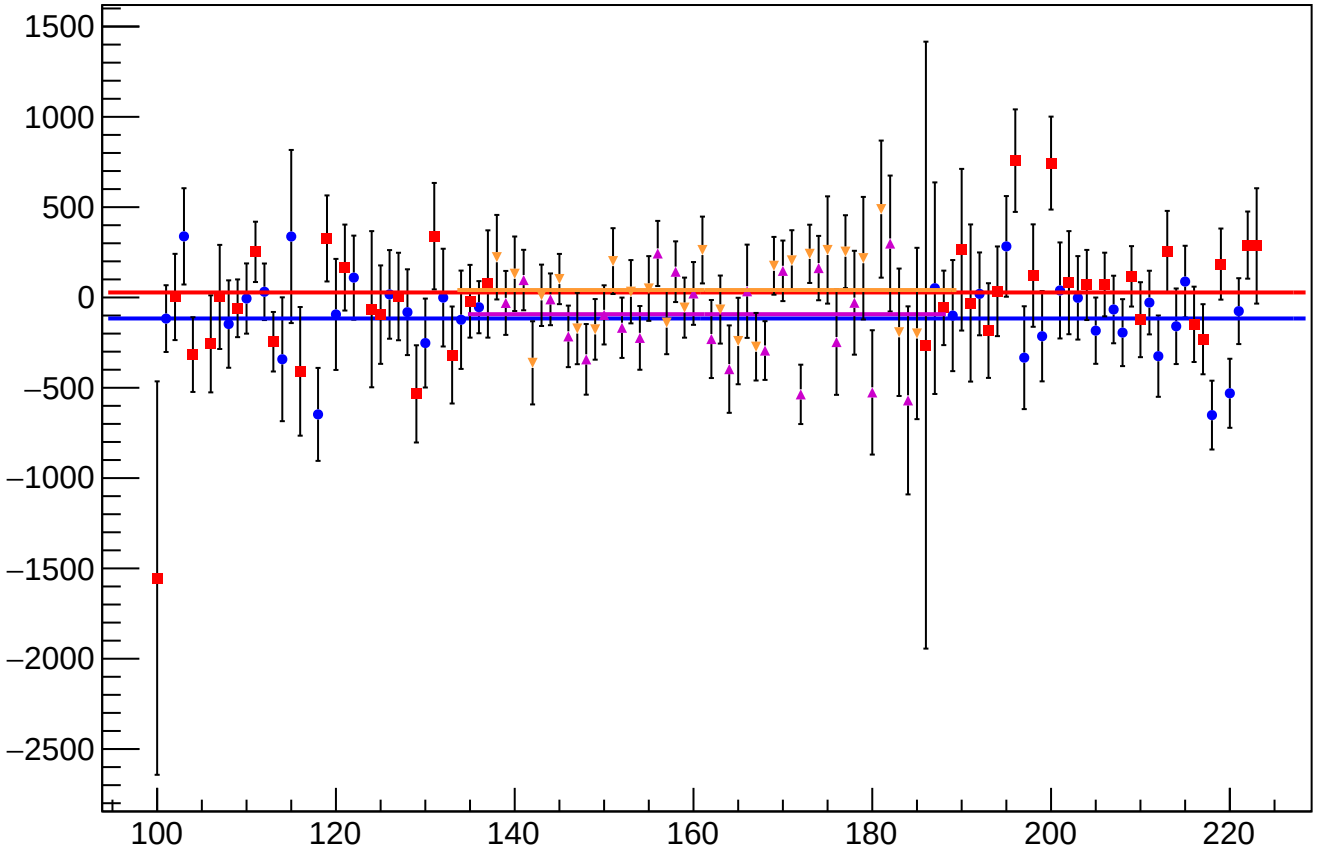
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1274.127+/-0.150 χ^2/NDF: 9972941.3/58

All: 1272.500+/-0.106 χ^2/NDF: 21075794.0/1

- sign 1270.846+/-0.151 χ^2/NDF: 11102614.7/61

dit_asym_sam_48_avg_mean vs Slug



Right In: -116.306+/-38.072 χ^2/NDF: 30.7/33

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 27.708+/-37.735 χ^2/NDF: 45.1/38

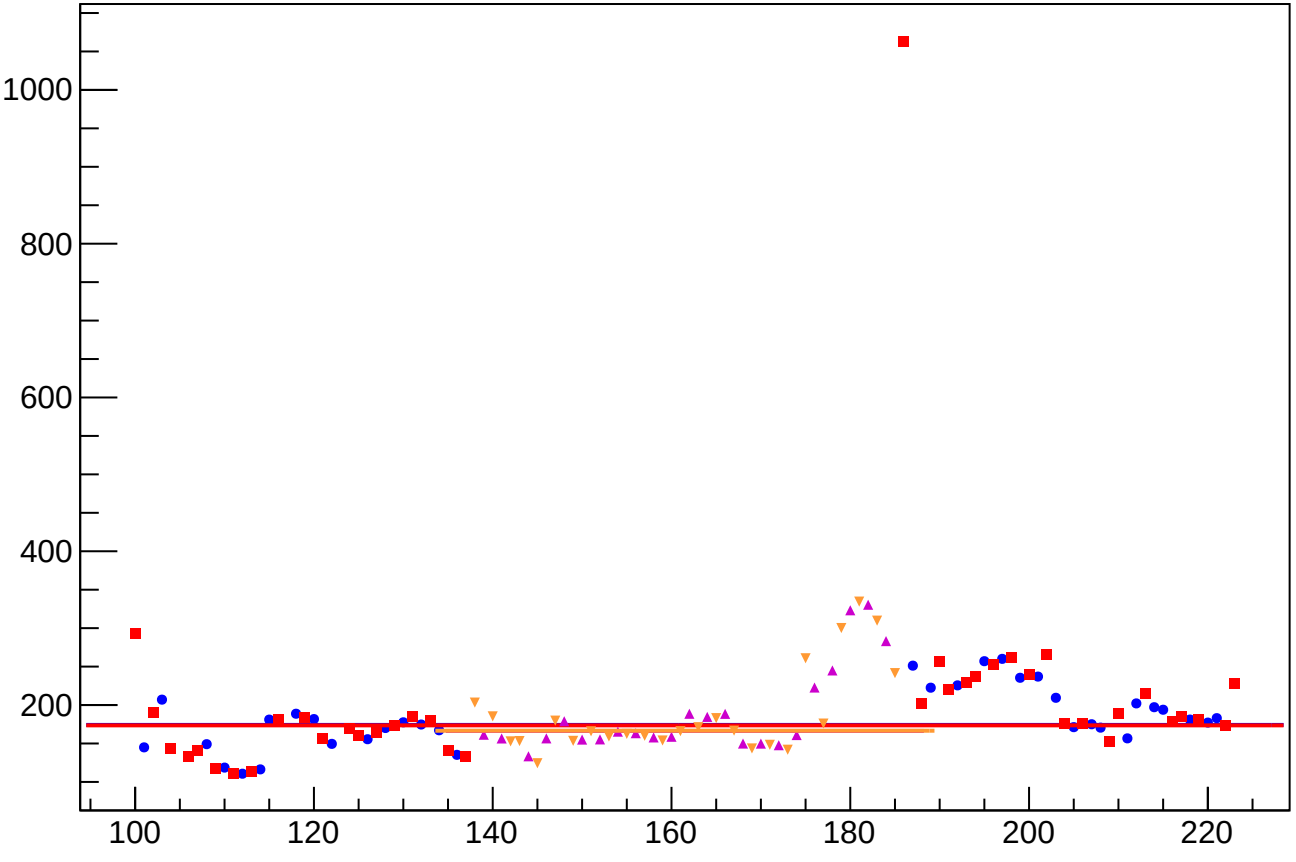
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -39.860+/-27.303 χ^2/NDF: 61.3/58

All: -34.308+/-19.376 χ^2/NDF: 140.8/120

- sign -28.676+/-27.502 χ^2/NDF: 79.4/61

dit_asym_sam_48_avg_rms vs Slug



Right In: 174.140+/-0.027 χ^2/NDF: 1766475.8/33

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 173.581+/-0.027 χ^2/NDF: 2832116.4/38

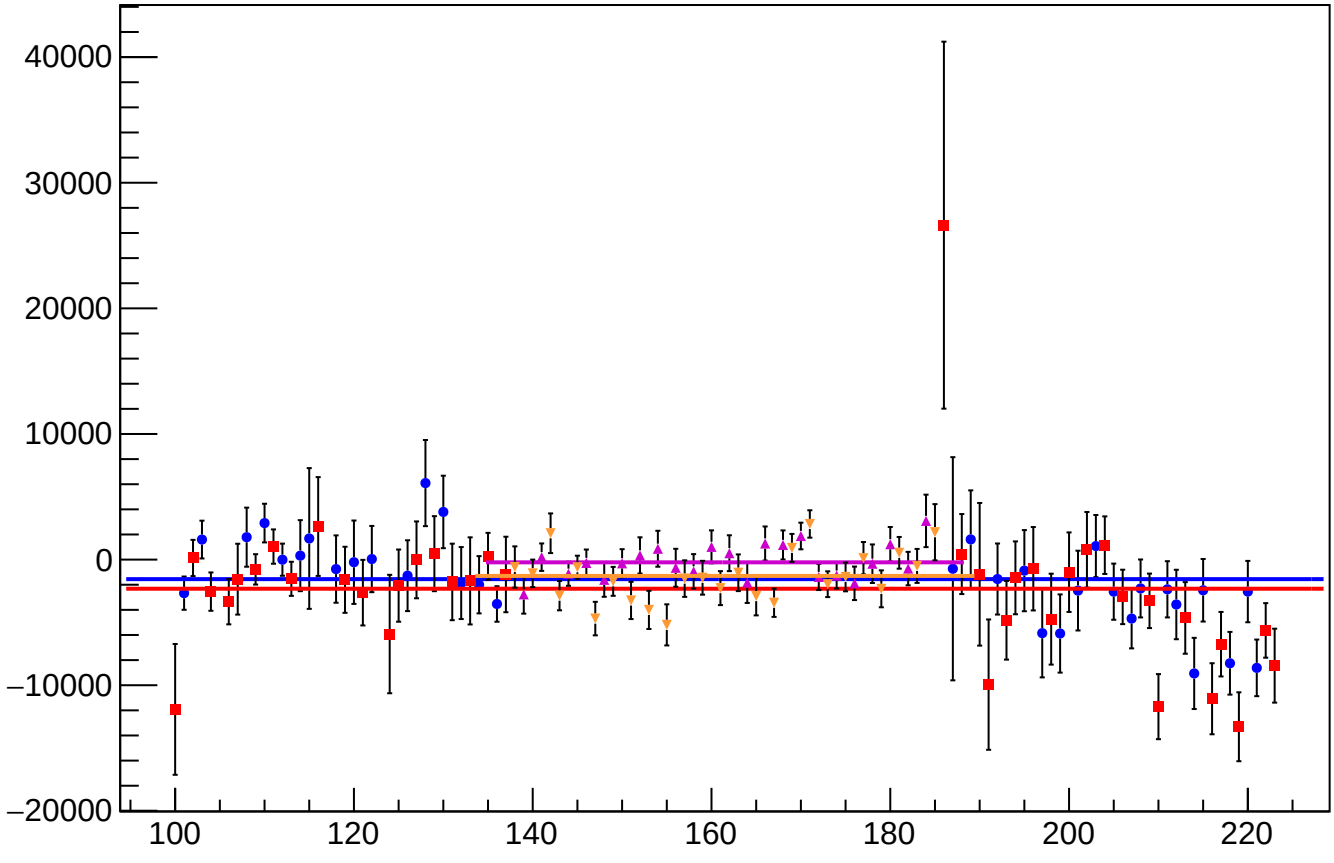
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 170.477+/-0.019 χ^2/NDF: 3524426.9/58

All: 170.325+/-0.014 χ^2/NDF: 7783963.4/120

- sign 170.171+/-0.019 χ^2/NDF: 4259411.8/61

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -1554.384+/-396.662 χ^2/NDF: 61.2/33

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -2318.262+/-381.573 χ^2/NDF: 81.7/38

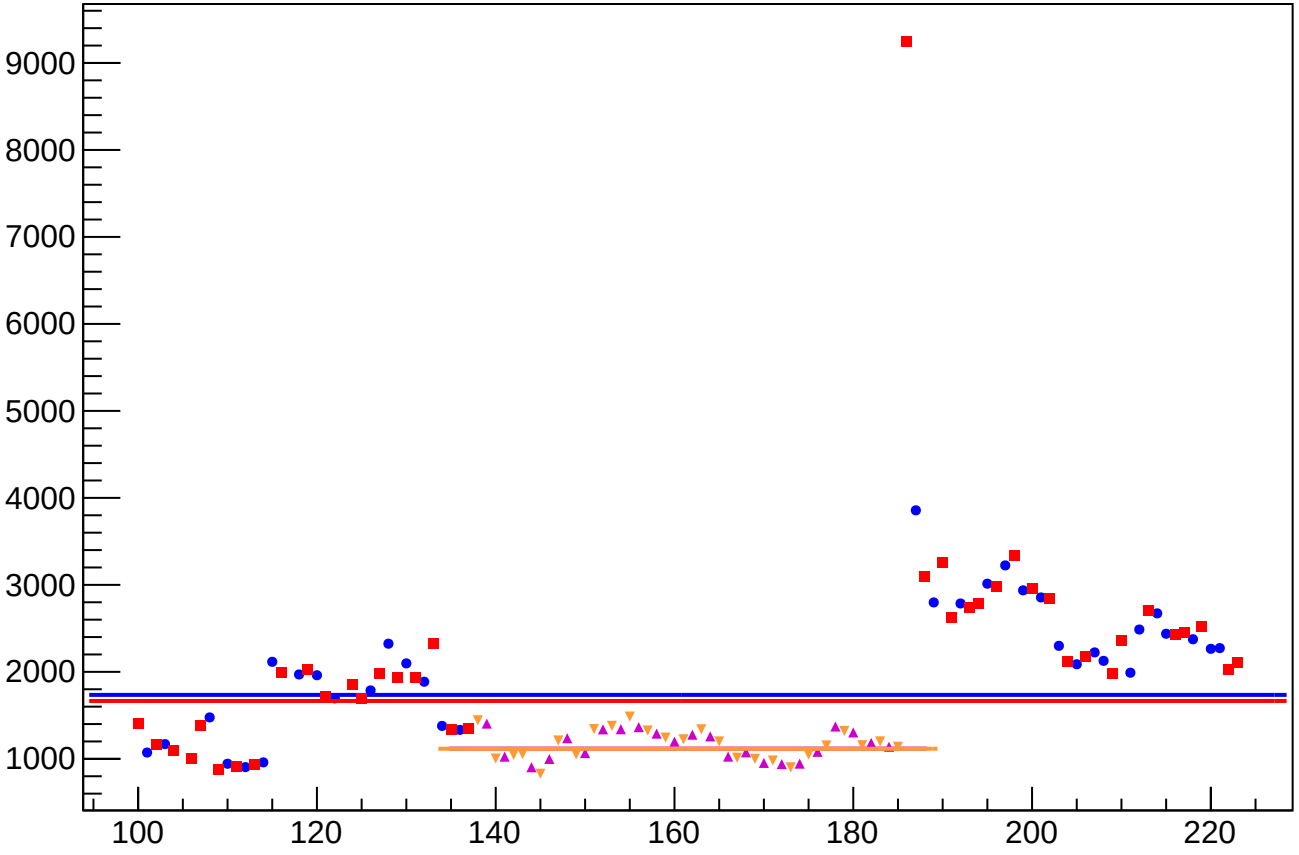
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1374.023+/-215.663 χ^2/NDF: 116.6/58

All: -1138.216+/-153.079 χ^2/NDF: 243.4/120

- sign -898.776+/-217.318 χ^2/NDF: 124.4/61

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1735.295+/-0.280 χ^2/NDF: 5615851.9/33

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1665.522+/-0.270 χ^2/NDF: 7486780.0/38

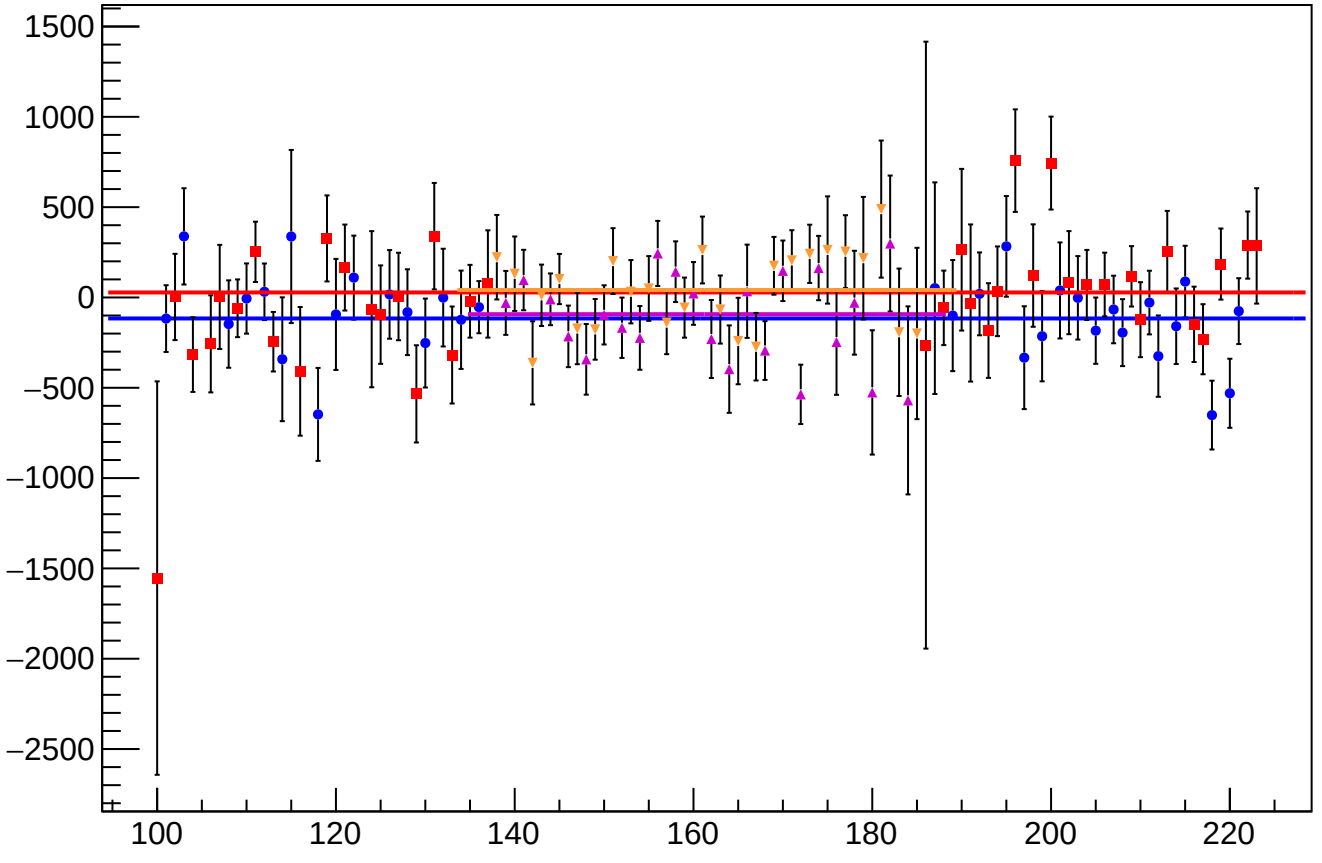
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1299.090+/-0.152 χ^2/NDF: 9916967.6/58

All: 1297.301+/-0.108 χ^2/NDF: 20917332.4/1

- sign 1295.485+/-0.154 χ^2/NDF: 11000087.6/61

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -116.301+/-38.072 χ^2/NDF: 30.7/33

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 27.712+/-37.735 χ^2/NDF: 45.1/38

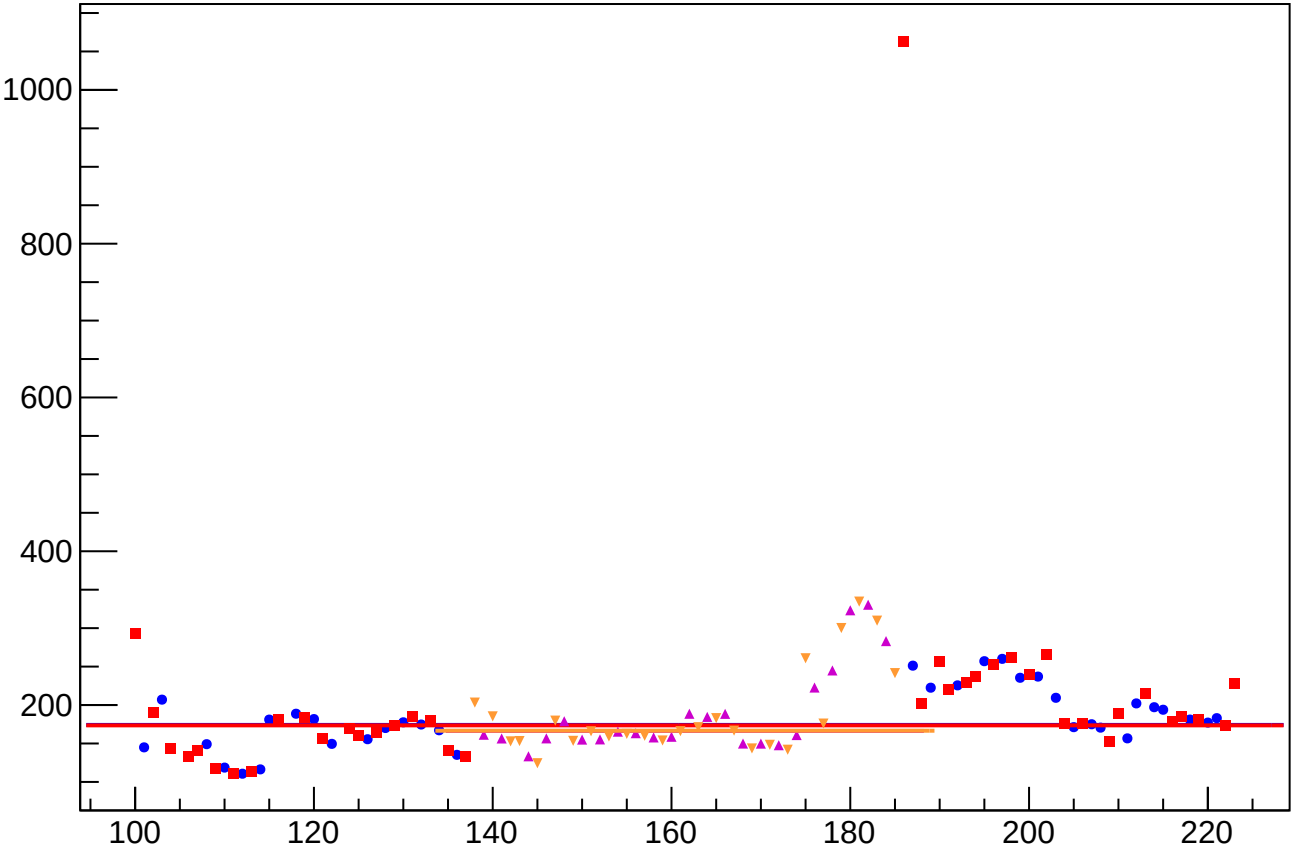
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -39.857+/-27.303 χ^2/NDF: 61.3/58

All: -34.306+/-19.376 χ^2/NDF: 140.8/120

- sign -28.673+/-27.502 χ^2/NDF: 79.4/61

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 174.140+/-0.027 χ^2/NDF: 1766454.8/33

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

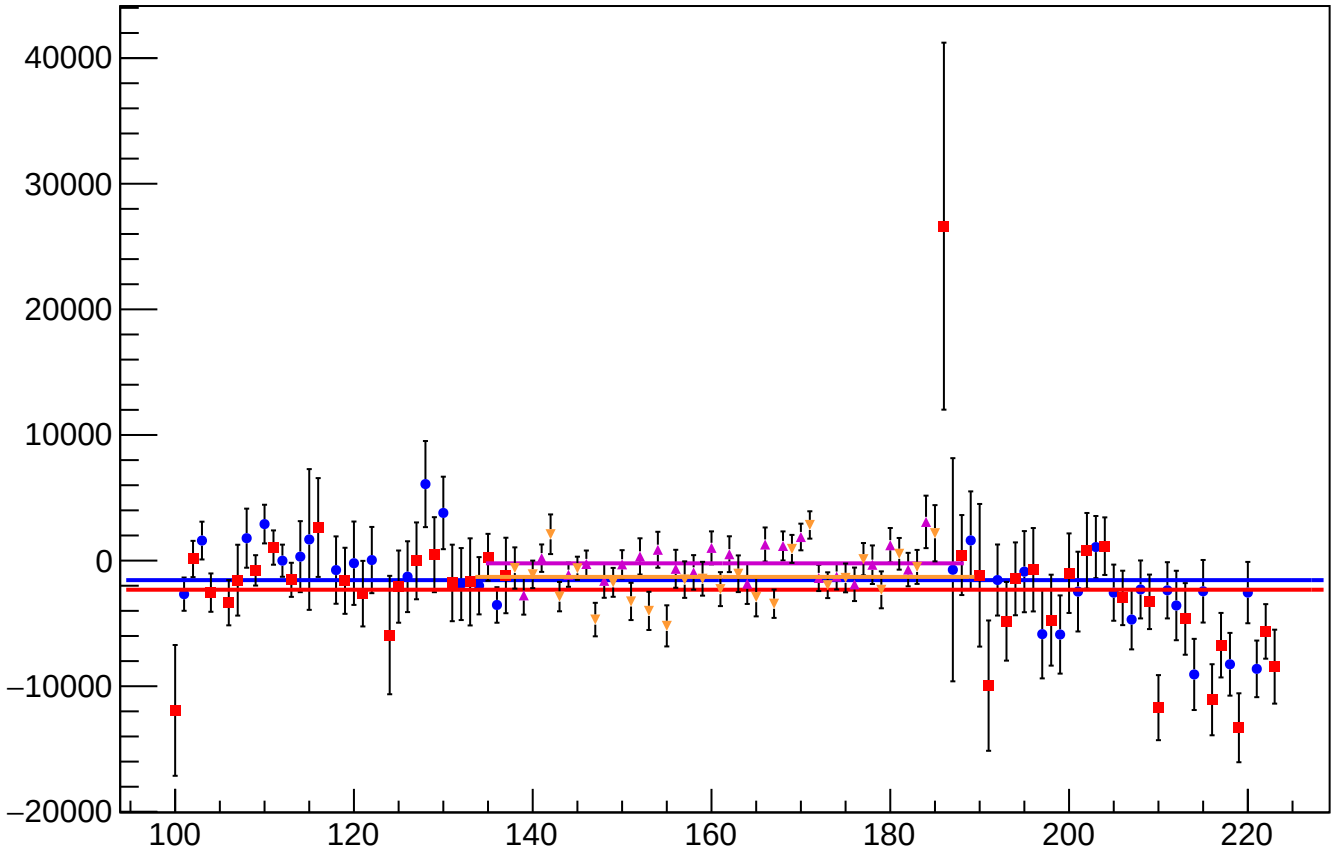
Right Out: 173.581+/-0.027 χ^2/NDF: 2832117.4/38

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 170.477+/-0.019 χ^2/NDF: 3524395.3/58

All: 170.325+/-0.014 χ^2/NDF: 7783908.9/120

- sign 170.171+/-0.019 χ^2/NDF: 4259388.9/61



Right In: -1554.382+/-396.662 χ^2/NDF: 61.2/33

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -2318.259+/-381.572 χ^2/NDF: 81.7/38

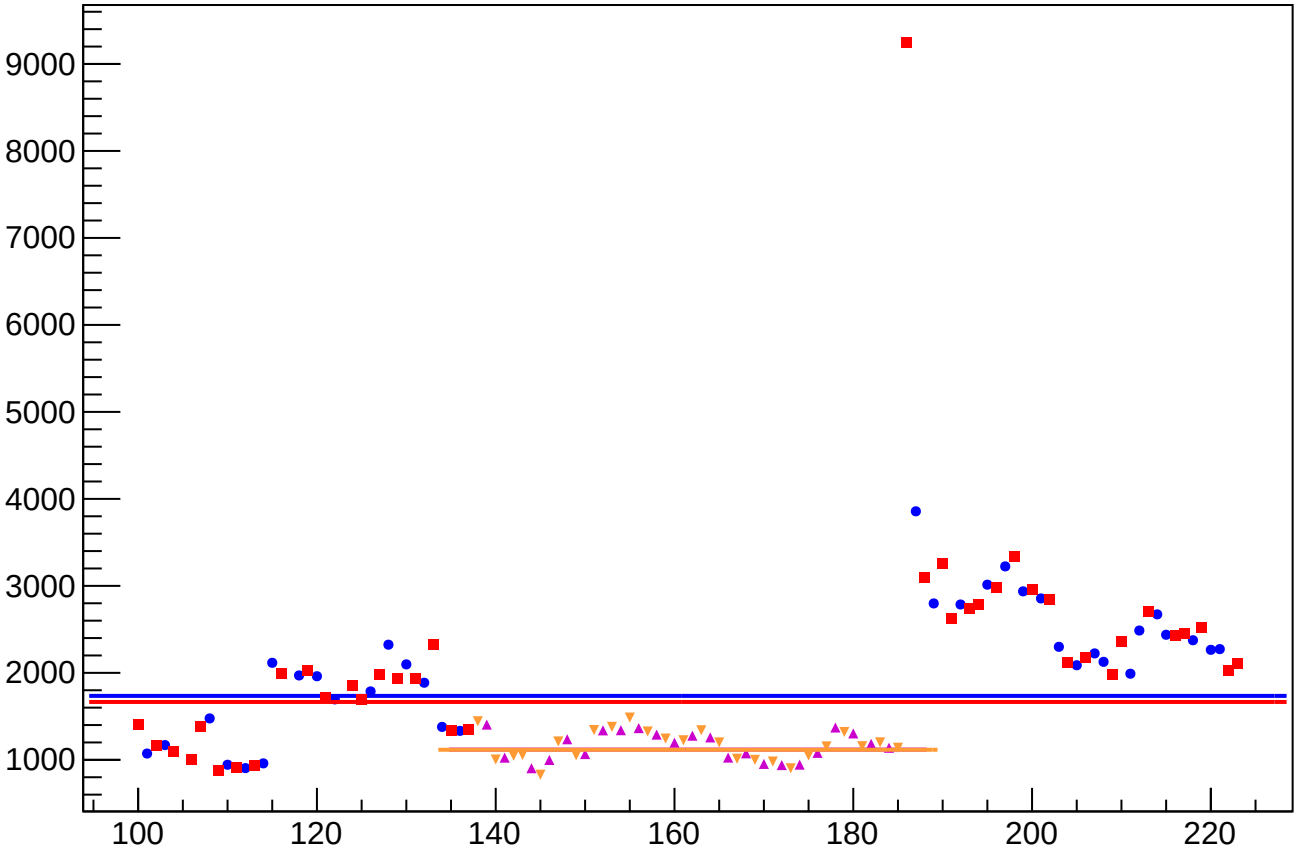
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1374.020+/-215.663 χ^2/NDF: 116.6/58

All: -1138.214+/-153.079 χ^2/NDF: 243.4/120

- sign -898.774+/-217.318 χ^2/NDF: 124.4/61

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1735.293+/-0.280 χ^2/NDF: 5615851.9/33

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1665.521+/-0.270 χ^2/NDF: 7486779.7/38

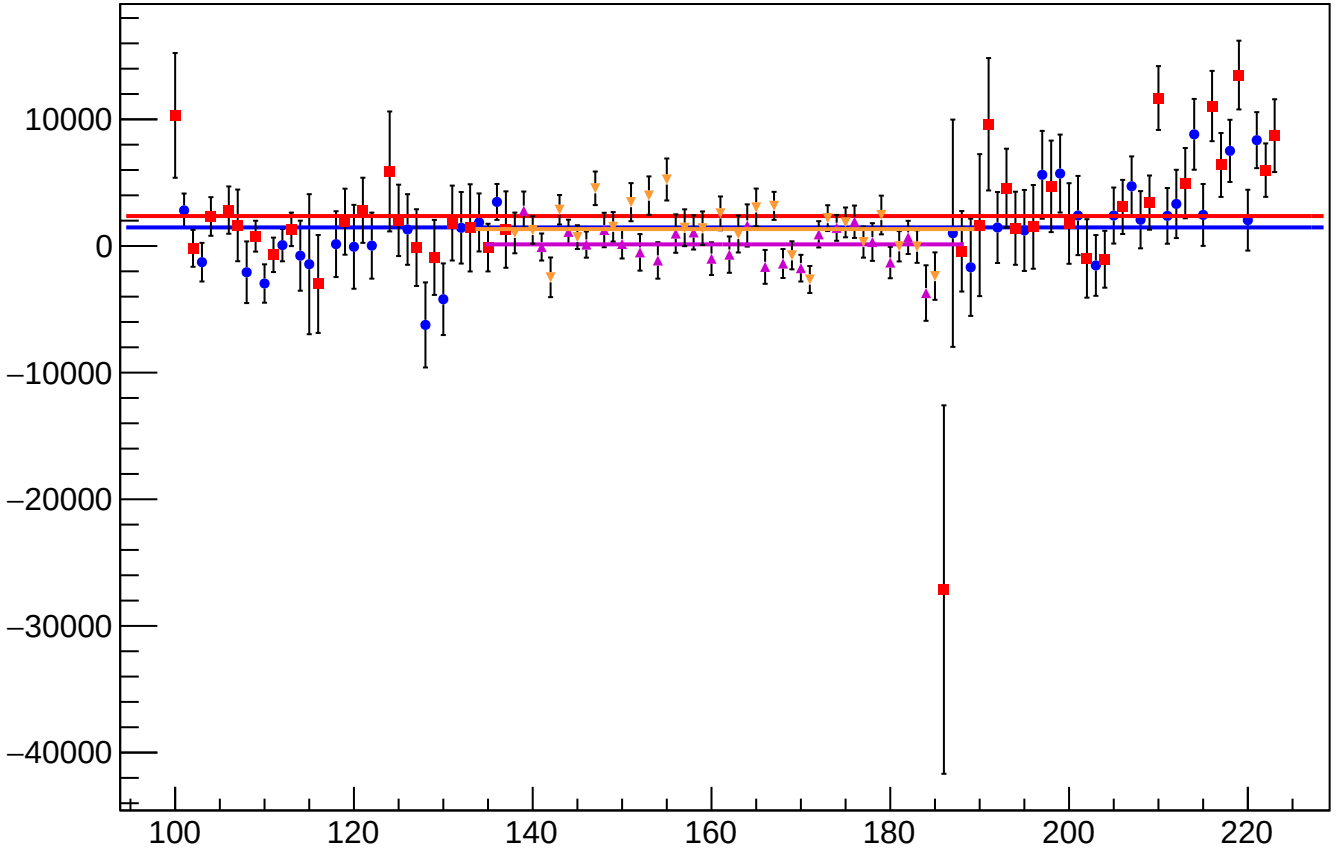
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1299.088+/-0.152 χ^2/NDF: 9916979.6/58

All: 1297.299+/-0.108 χ^2/NDF: 20917352.1/1

- sign 1295.483+/-0.154 χ^2/NDF: 11000095.3/61

asym_sam_48_avg_mean vs Slug



Right In: 1467.284+/-393.645 χ^2/NDF: 60.5/33

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 2362.859+/-379.408 χ^2/NDF: 83.0/38

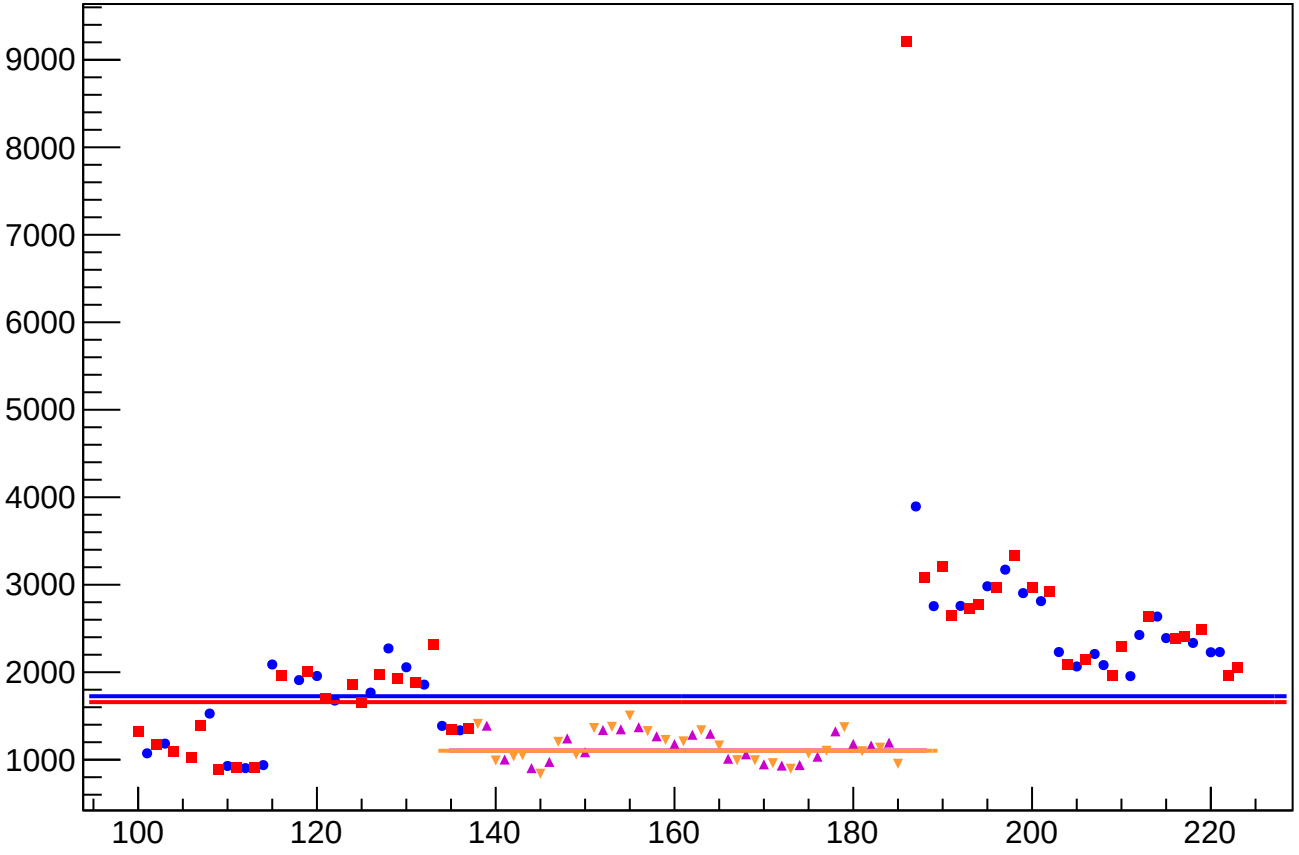
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1373.717+/-213.537 χ^2/NDF: 116.3/58

All: 1112.816+/-151.601 χ^2/NDF: 249.8/120

- sign 847.675+/-215.265 χ^2/NDF: 130.5/61

asym_sam_48_avg_rms vs Slug



Right In: 1725.735+/-0.278 χ^2/NDF: 5427276.3/33

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

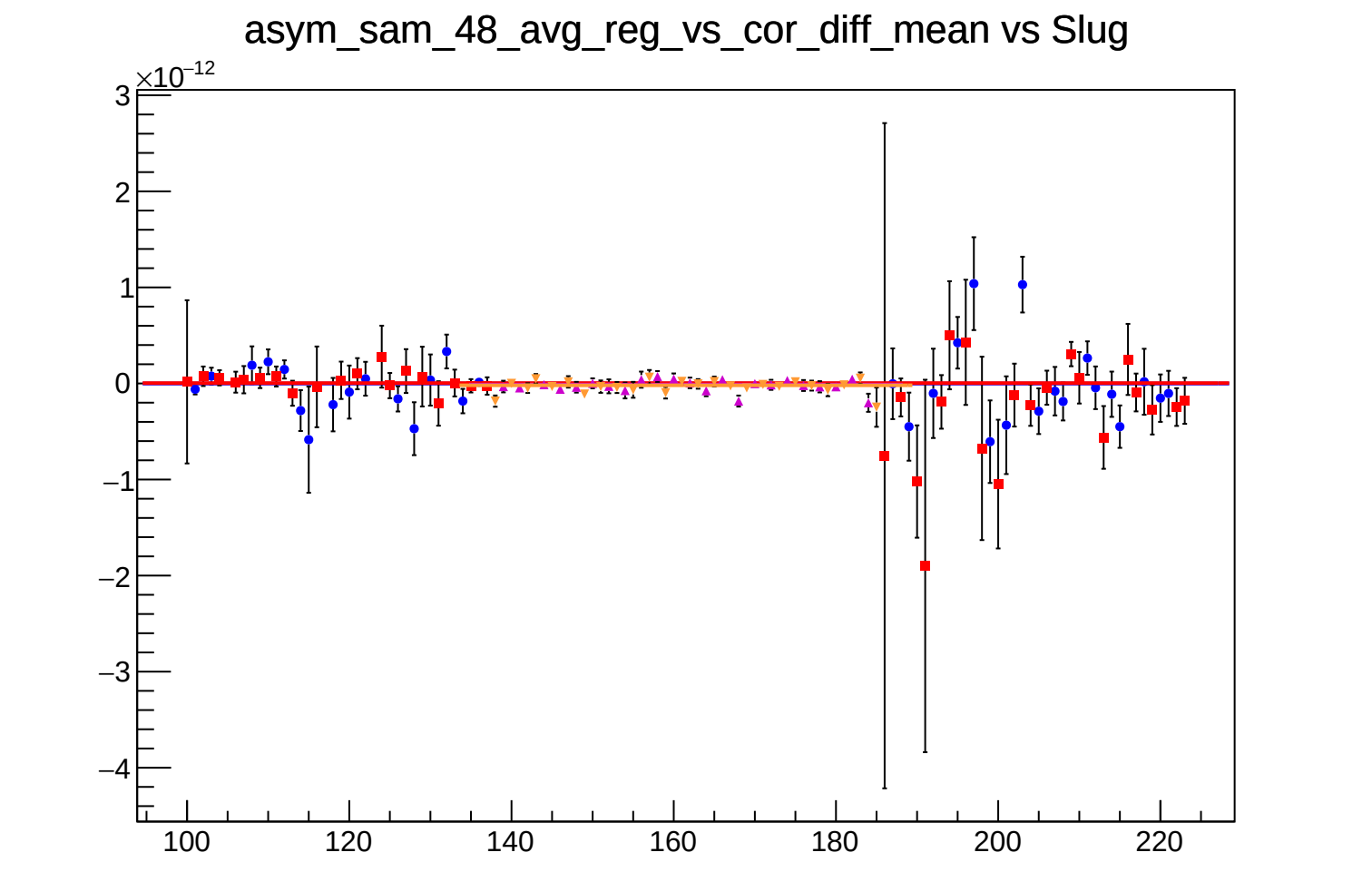
Right Out: 1658.224+/-0.268 χ^2/NDF: 7356356.3/38

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1286.038+/-0.151 χ^2/NDF: 9843542.9/58

All: 1284.642+/-0.107 χ^2/NDF: 20804699.6/1

- sign 1283.224+/-0.152 χ^2/NDF: 10960984.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 56.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

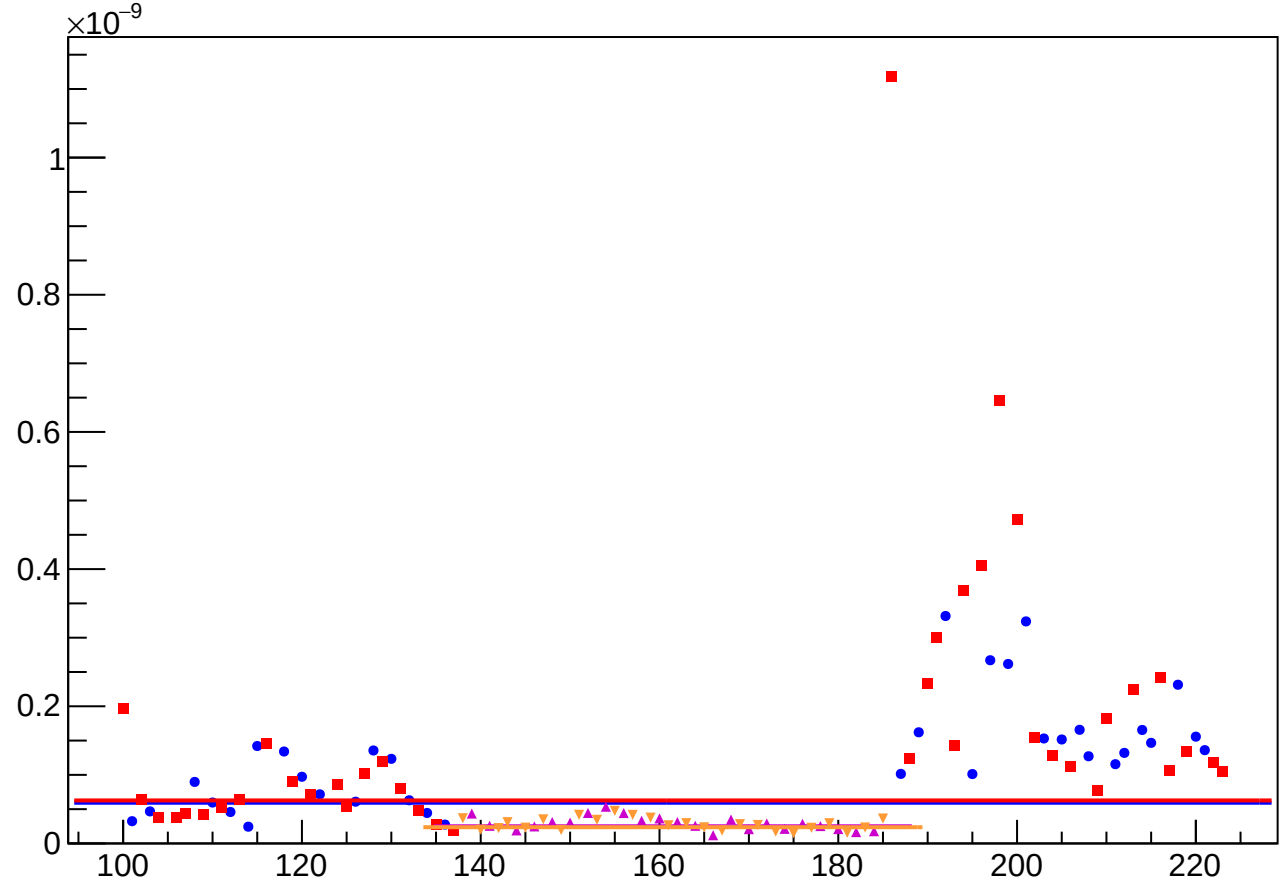
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/38

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.9/58

All: -0.000+/-0.000 χ^2/NDF: 139.1/120

- sign -0.000+/-0.000 χ^2/NDF: 55.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 7684903.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

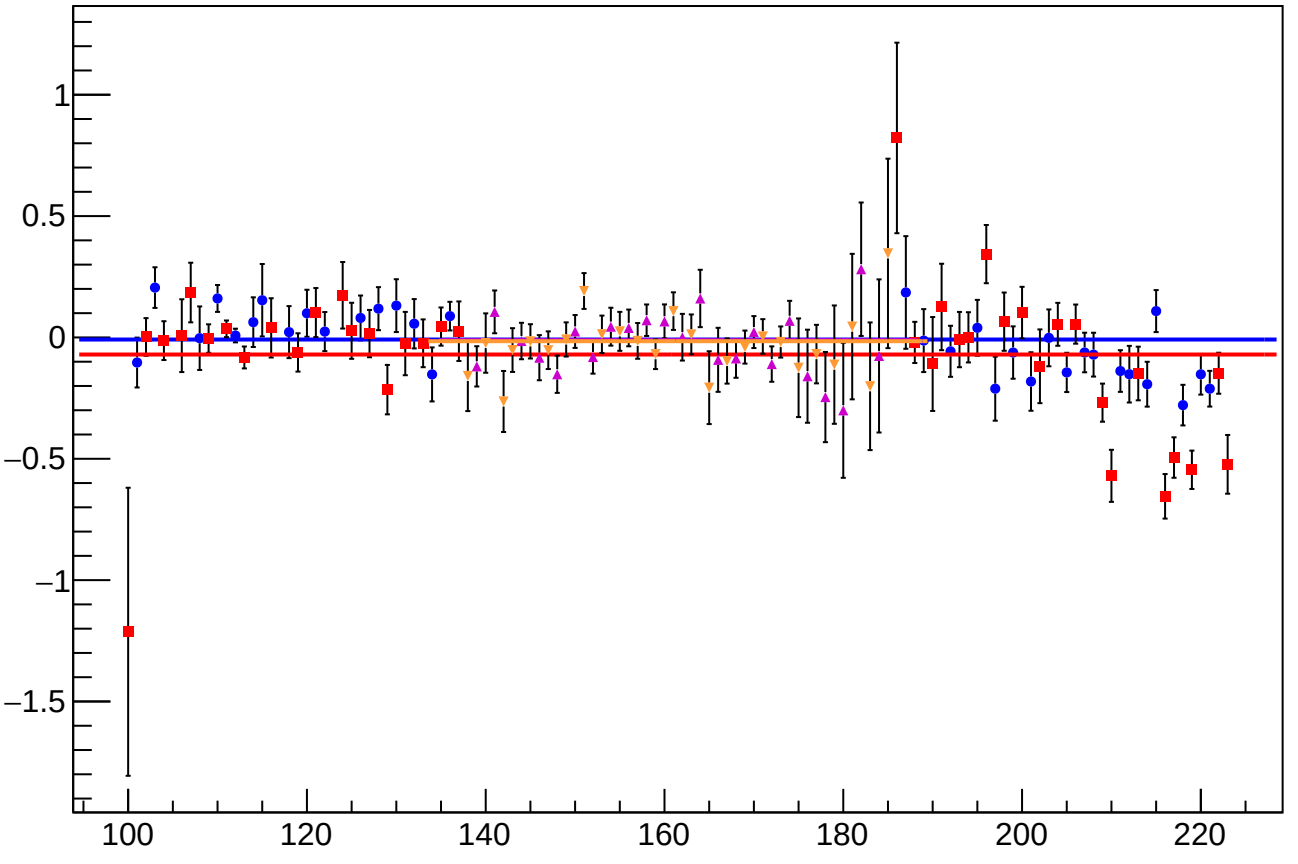
Right Out: 0.000+/-0.000 χ^2/NDF: 7513632.7/38

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12797697.6/58

All: 0.000+/-0.000 χ^2/NDF: 25576254.8/120

- sign 0.000+/-0.000 χ^2/NDF: 12728941.1/61



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.070+/-0.014 χ^2/NDF: 208.0/38

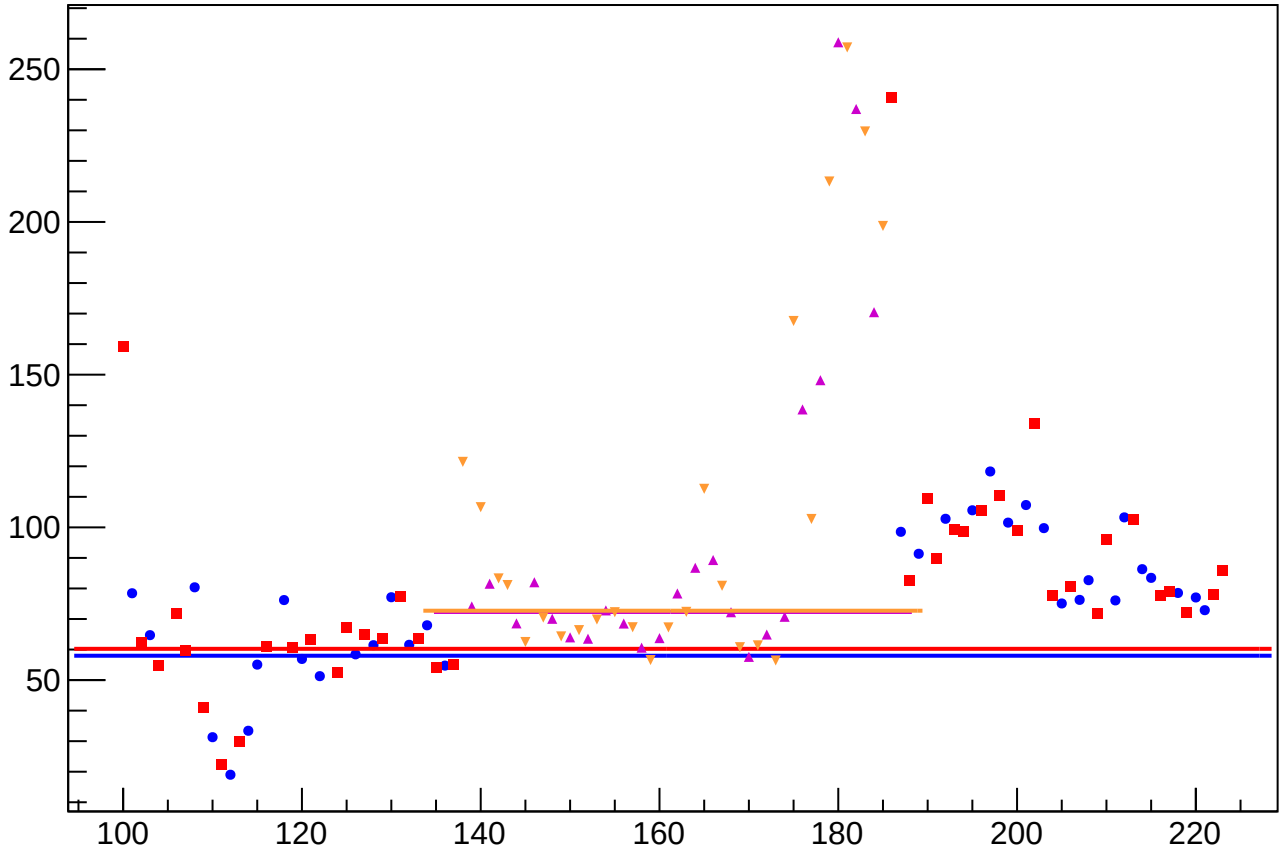
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.011+/-0.011 χ^2/NDF: 91.3/58

All: -0.030+/-0.008 χ^2/NDF: 334.7/120

- sign -0.048+/-0.011 χ^2/NDF: 237.8/61

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 57.974+/-0.010 χ^2/NDF: 8357527.1/33

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

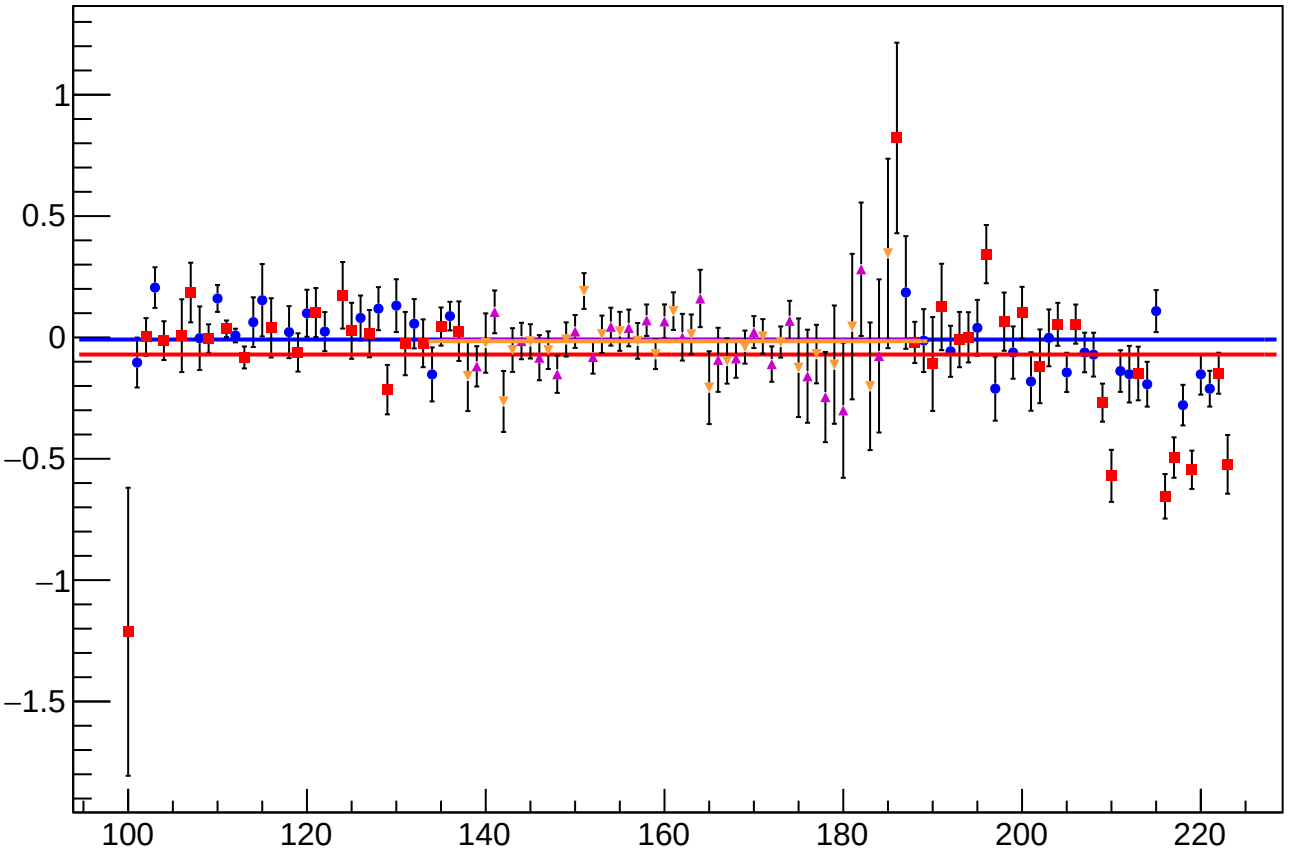
Right Out: 60.235+/-0.010 χ^2/NDF: 7517464.2/38

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 63.580+/-0.008 χ^2/NDF: 13153455.6/58

All: 64.164+/-0.006 χ^2/NDF: 24018086.6/120

- sign 64.759+/-0.008 χ^2/NDF: 10853410.9/61



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

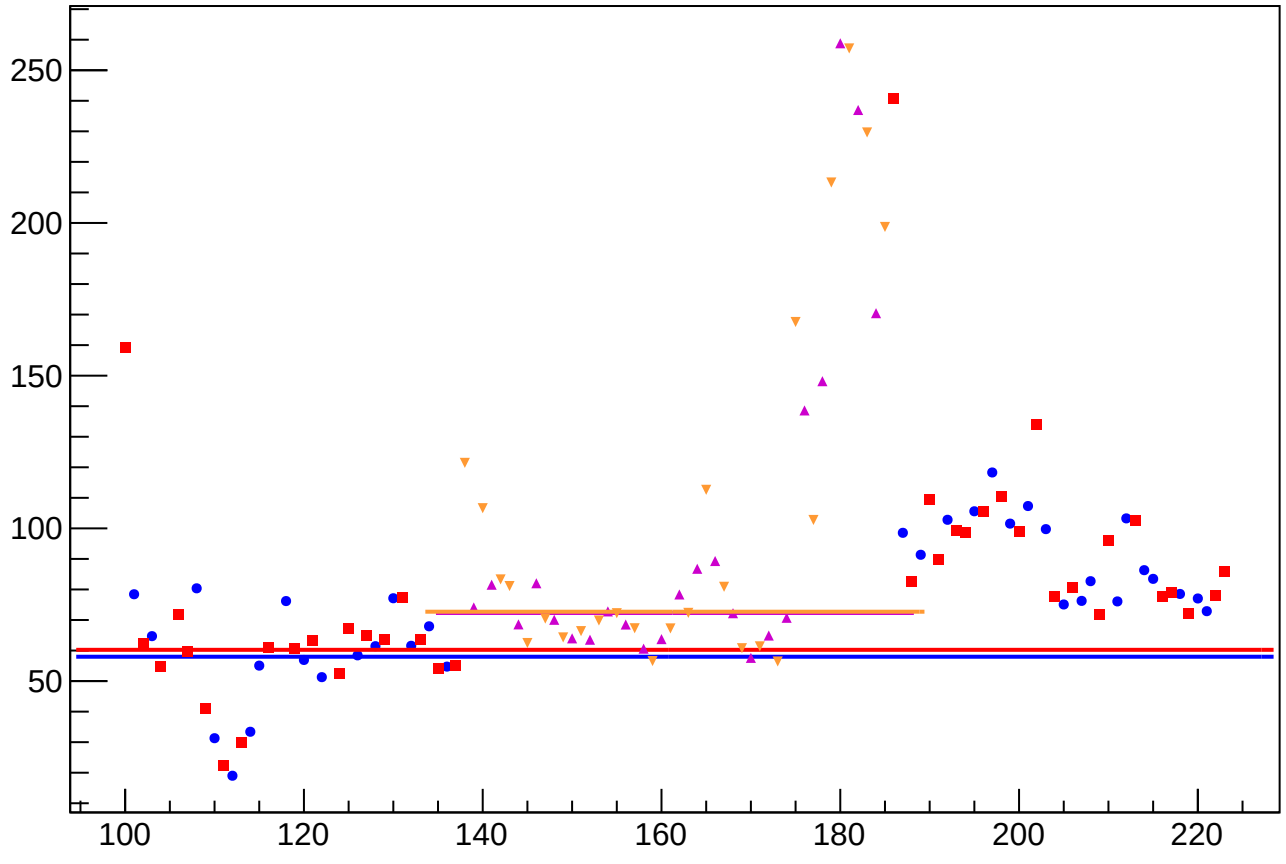
Right Out: -0.070+/-0.014 χ^2/NDF: 208.0/38

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.011+/-0.011 χ^2/NDF: 91.3/58

All: -0.030+/-0.008 χ^2/NDF: 334.7/120

- sign -0.048+/-0.011 χ^2/NDF: 237.8/61



Right In: 57.974+/-0.010 χ^2/NDF: 8357527.1/33

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

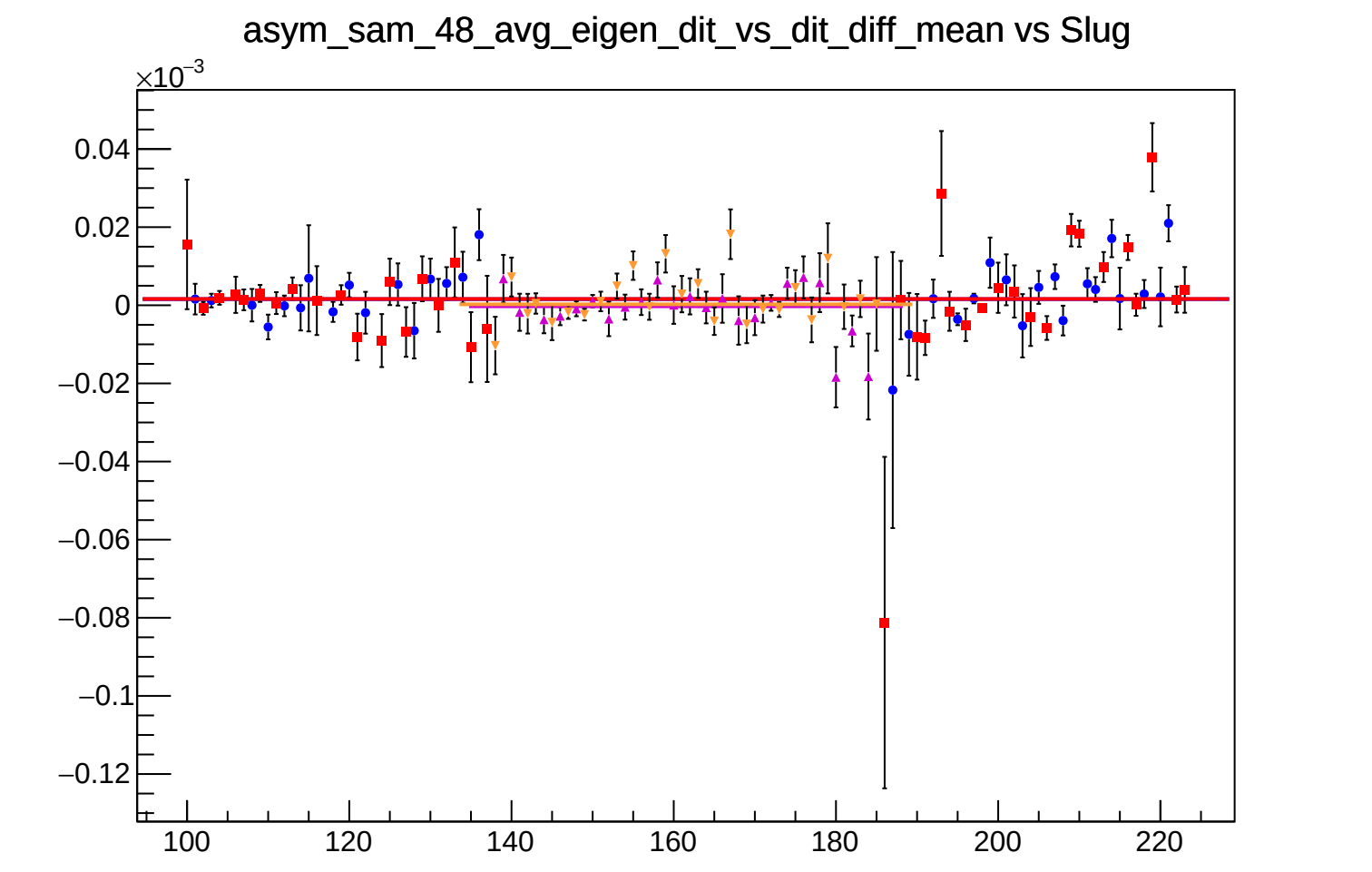
Right Out: 60.235+/-0.010 χ^2/NDF: 7517464.2/38

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 63.580+/-0.008 χ^2/NDF: 13153455.6/58

All: 64.164+/-0.006 χ^2/NDF: 24018086.6/120

- sign 64.759+/-0.008 χ^2/NDF: 10853410.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 72.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

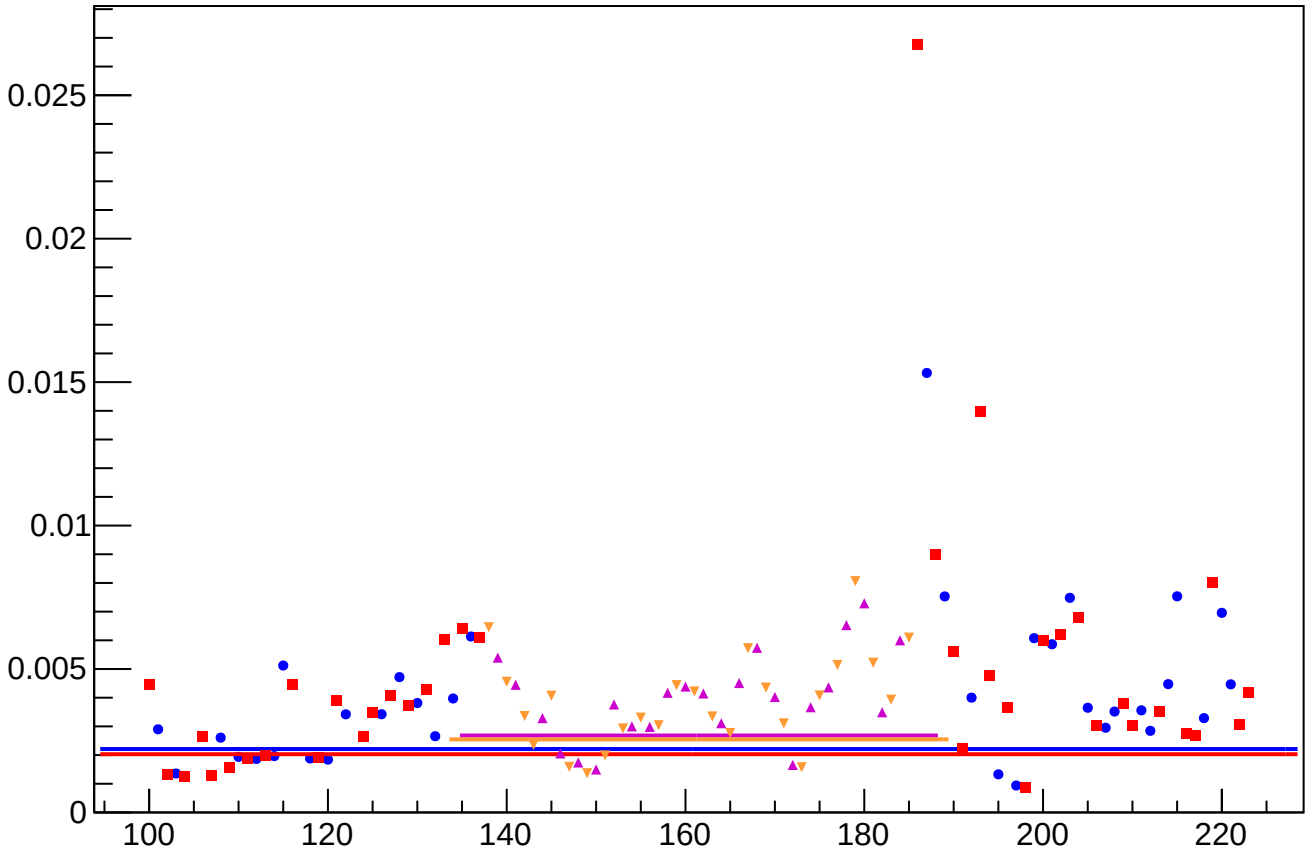
Right Out: 0.000+/-0.000 χ^2/NDF: 125.5/38

Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 117.7/58

All: 0.000+/-0.000 χ^2/NDF: 271.8/120

- sign 0.000+/-0.000 χ^2/NDF: 154.2/61



Right In: 0.002+/-0.000 χ^2/NDF: 12039862.4/33

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

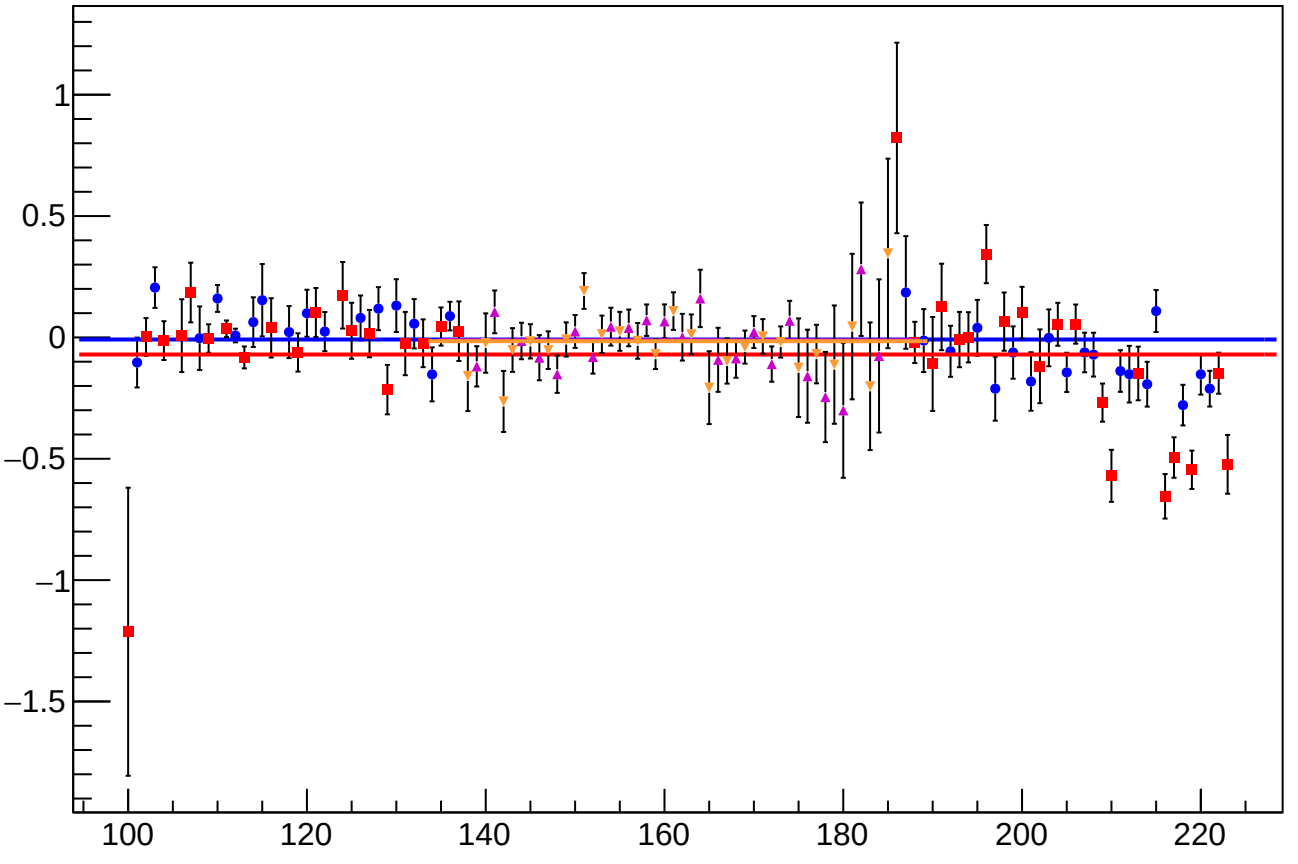
Right Out: 0.002+/-0.000 χ^2/NDF: 14826678.1/38

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 19836454.5/58

All: 0.002+/-0.000 χ^2/NDF: 42309168.7/120

- sign 0.002+/-0.000 χ^2/NDF: 22422869.2/61



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.070+/-0.014 χ^2/NDF: 208.0/38

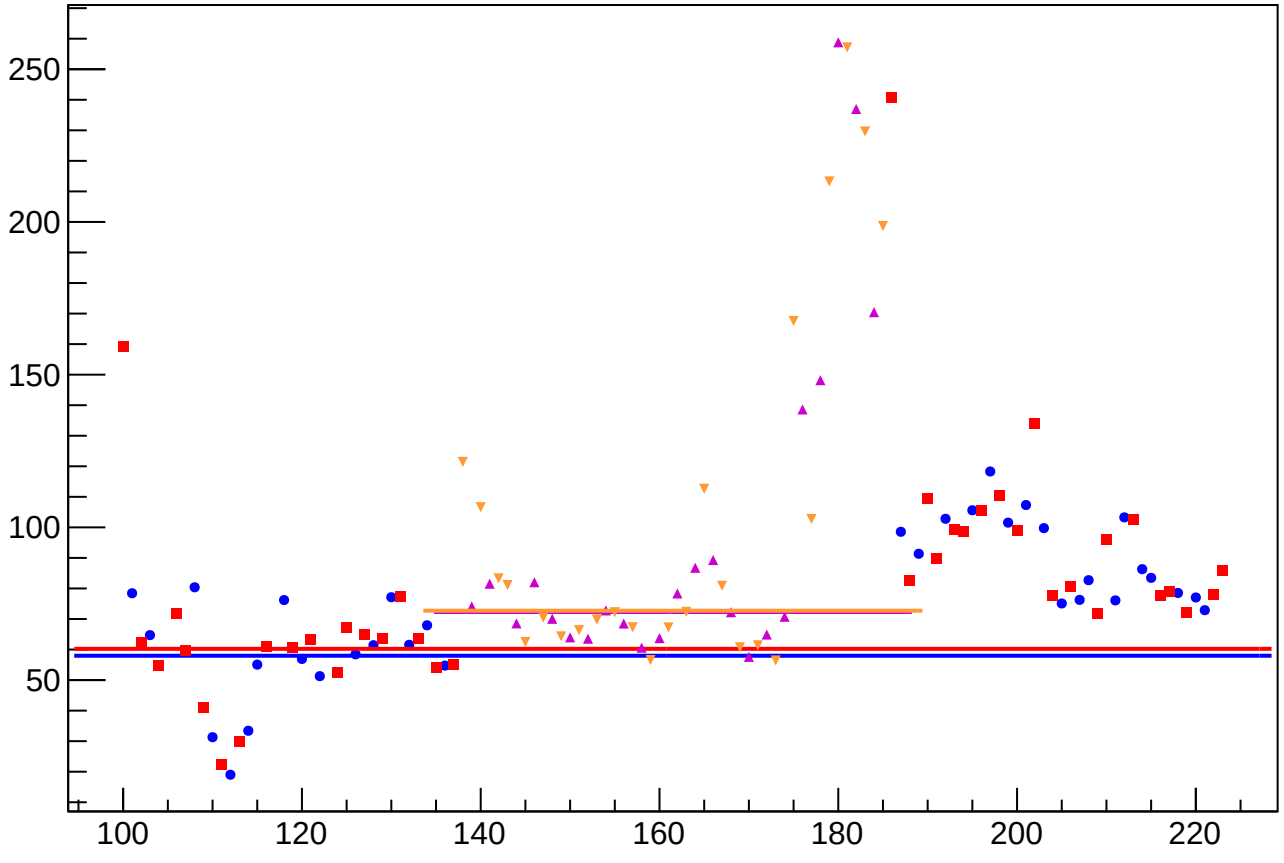
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.011+/-0.011 χ^2/NDF: 91.3/58

All: -0.030+/-0.008 χ^2/NDF: 334.7/120

- sign -0.048+/-0.011 χ^2/NDF: 237.8/61

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 57.974+/-0.010 χ^2/NDF: 8357803.9/33

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

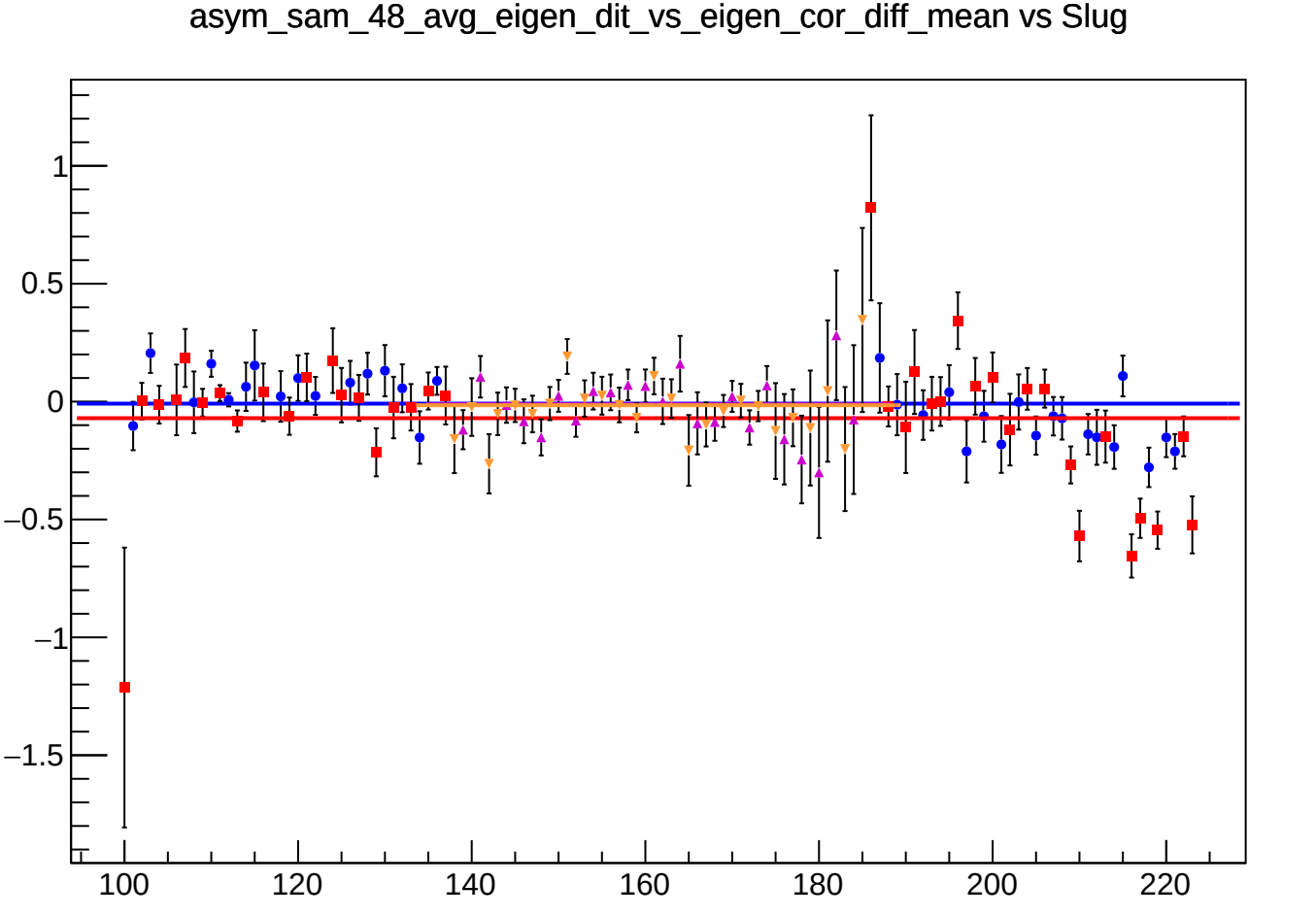
Right Out: 60.235+/-0.010 χ^2/NDF: 7517797.0/38

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 63.580+/-0.008 χ^2/NDF: 13153858.6/58

All: 64.164+/-0.006 χ^2/NDF: 24018892.8/120

- sign 64.759+/-0.008 χ^2/NDF: 10853812.4/61



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

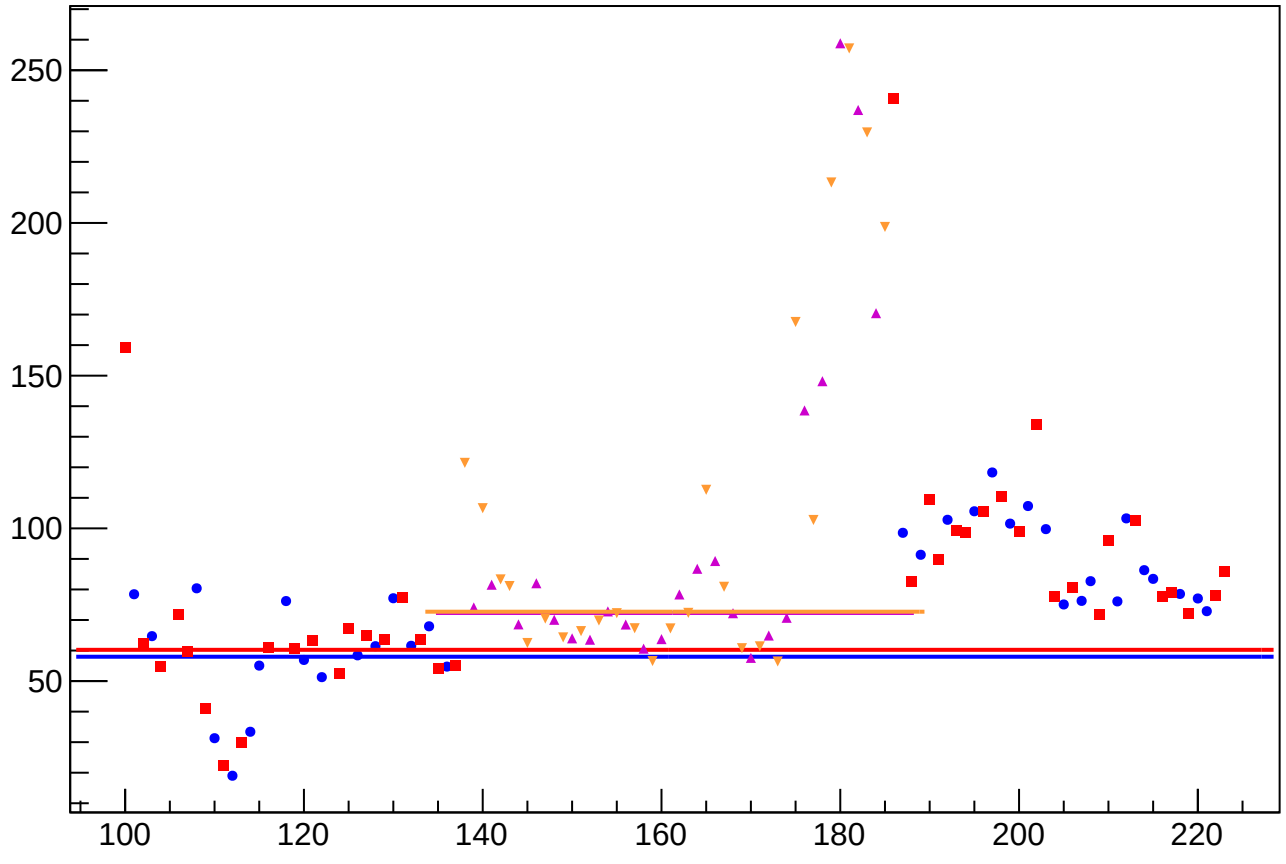
Right Out: -0.070+/-0.014 χ^2/NDF: 208.0/38

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.011+/-0.011 χ^2/NDF: 91.3/58

All: -0.030+/-0.008 χ^2/NDF: 334.7/120

- sign -0.048+/-0.011 χ^2/NDF: 237.8/61



Right In: 57.974+/-0.010 χ^2/NDF: 8357803.9/33

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

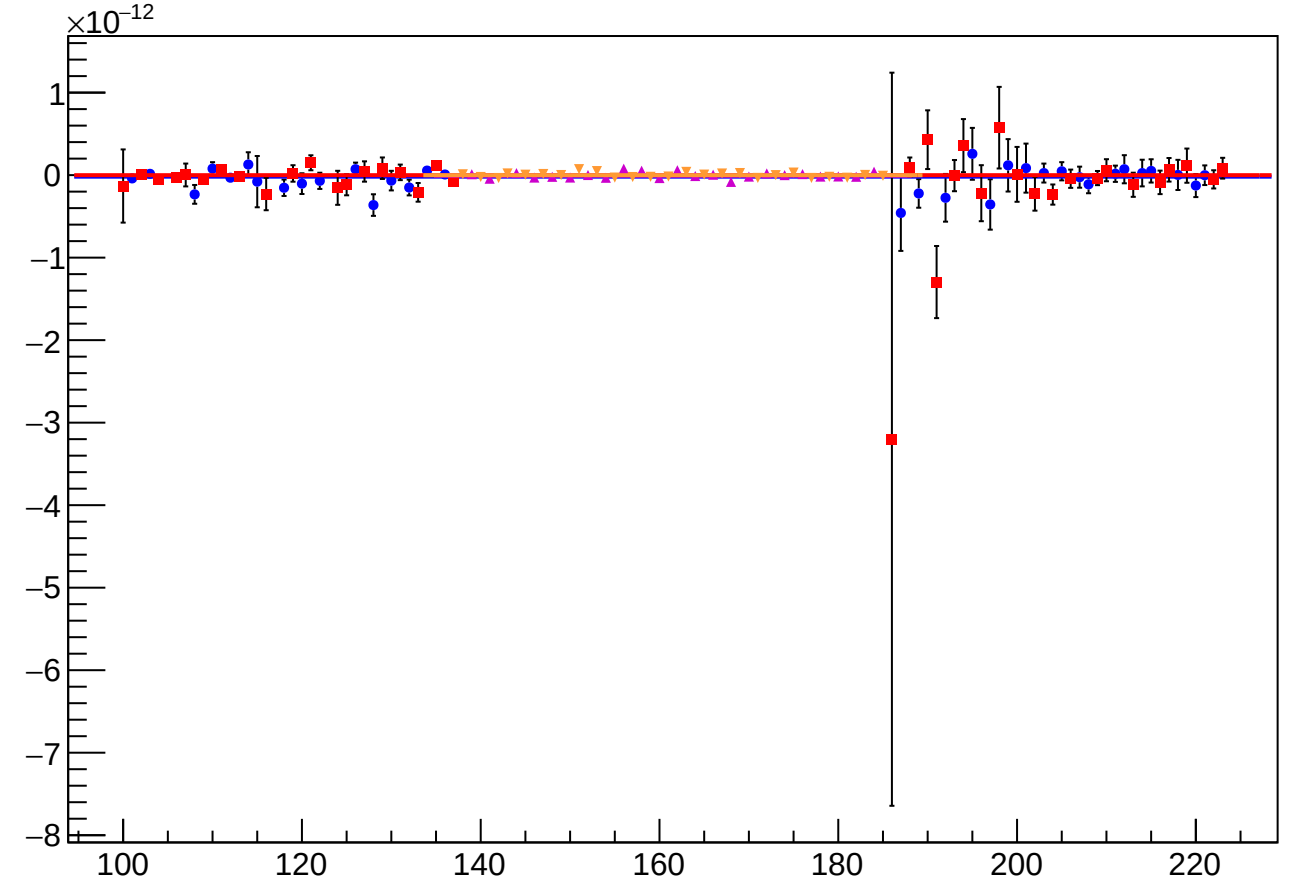
Right Out: 60.235+/-0.010 χ^2/NDF: 7517797.0/38

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 63.580+/-0.008 χ^2/NDF: 13153858.6/58

All: 64.164+/-0.006 χ^2/NDF: 24018892.8/120

- sign 64.759+/-0.008 χ^2/NDF: 10853812.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 31.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

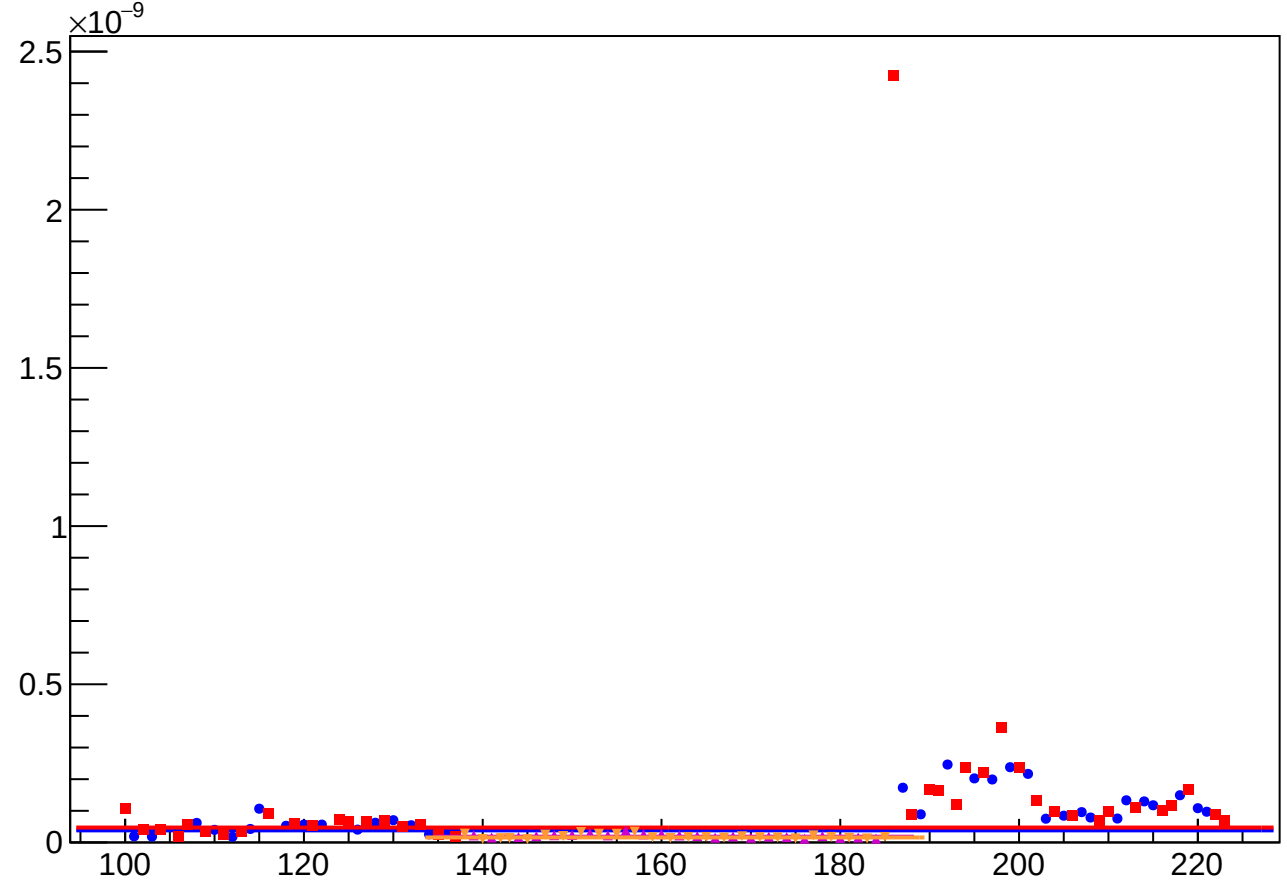
Right Out: -0.000+/-0.000 χ^2/NDF: 45.5/38

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/58

All: -0.000+/-0.000 χ^2/NDF: 144.5/120

- sign -0.000+/-0.000 χ^2/NDF: 83.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 12056155.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10444709.8/38

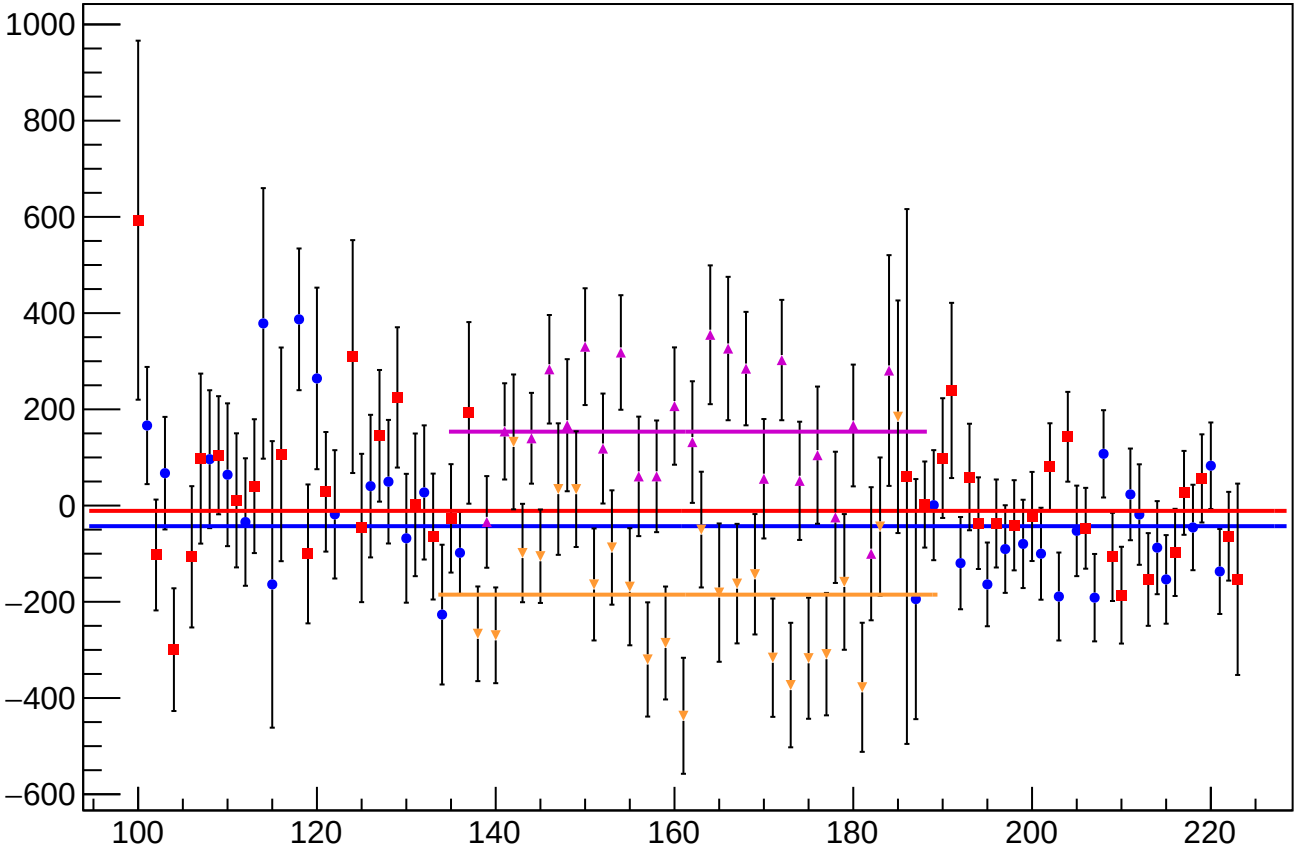
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19390687.9/58

All: 0.000+/-0.000 χ^2/NDF: 38485675.3/120

- sign 0.000+/-0.000 χ^2/NDF: 18667117.6/61

reg_asym_sam_15_dd_mean vs Slug



Right In: -42.825+/-18.877 χ^2/NDF: 39.2/33

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -11.025+/-18.637 χ^2/NDF: 34.2/38

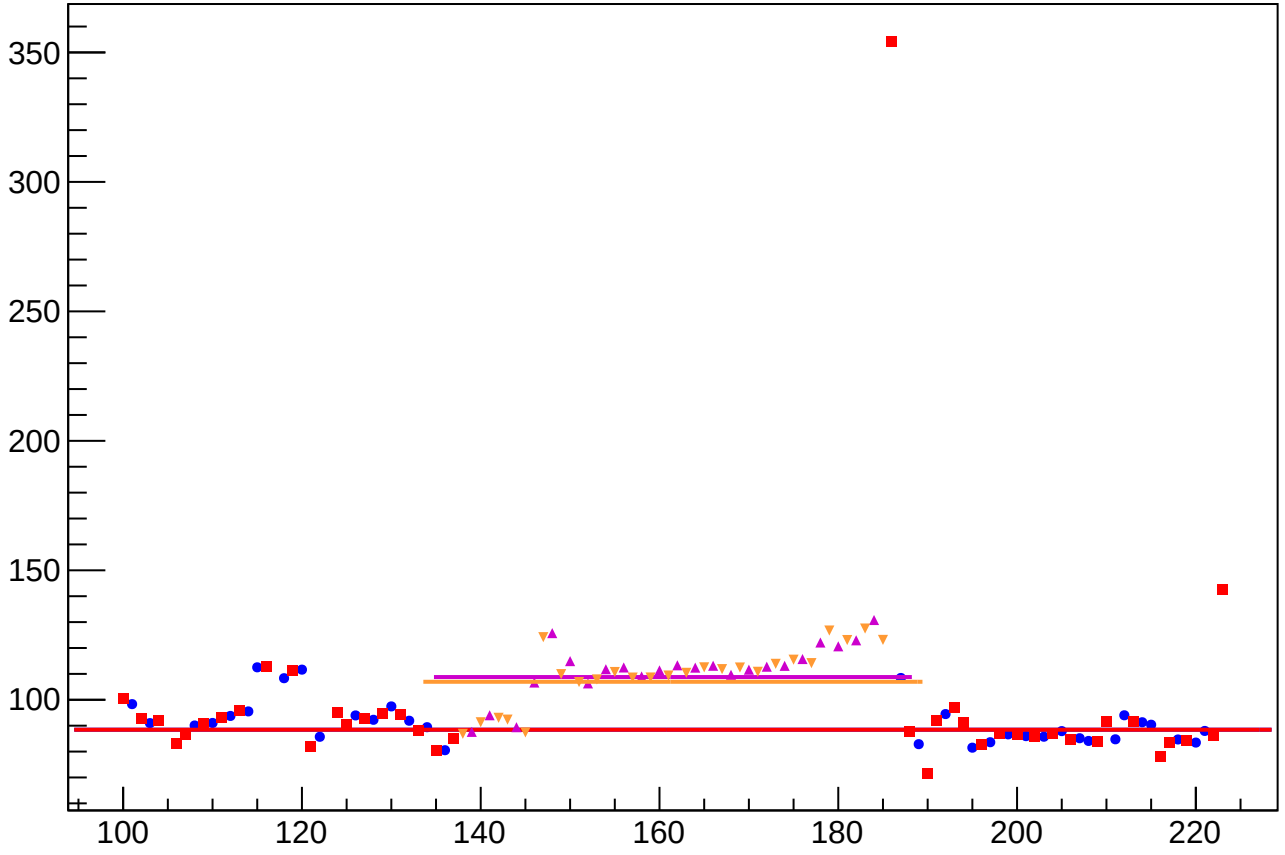
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -95.969+/-14.942 χ^2/NDF: 93.5/58

All: -25.421+/-10.605 χ^2/NDF: 223.2/120

- sign 46.191+/-15.054 χ^2/NDF: 84.8/61

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.443+/-0.013 χ^2/NDF: 208295.0/33

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.437+/-0.013 χ^2/NDF: 840517.2/38

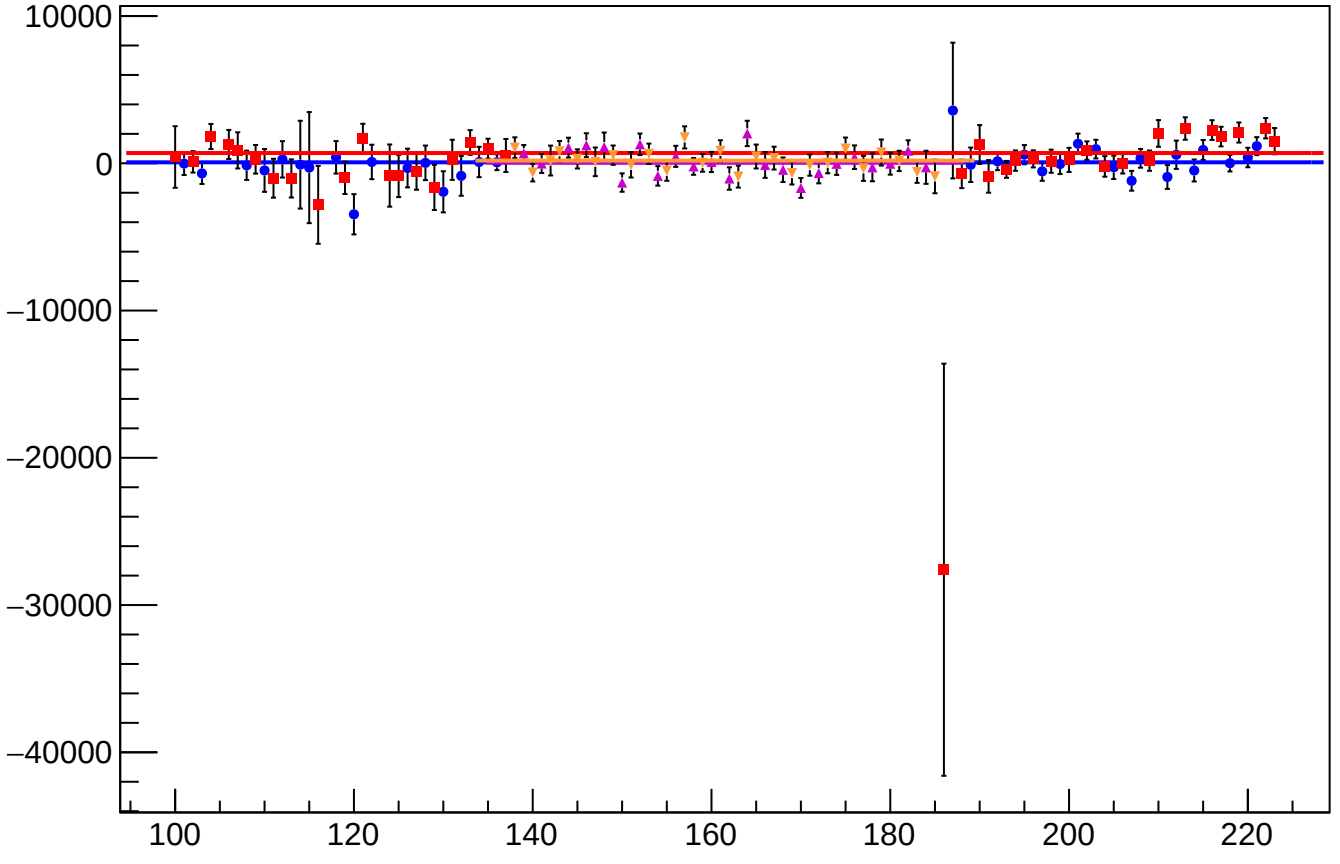
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 95.355+/-0.011 χ^2/NDF: 1390751.6/58

All: 95.430+/-0.007 χ^2/NDF: 3417959.0/120

- sign 95.506+/-0.011 χ^2/NDF: 2027106.2/61

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: 67.056+/-140.187 χ^2/NDF: 29.5/33

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 698.167+/-138.992 χ^2/NDF: 61.5/38

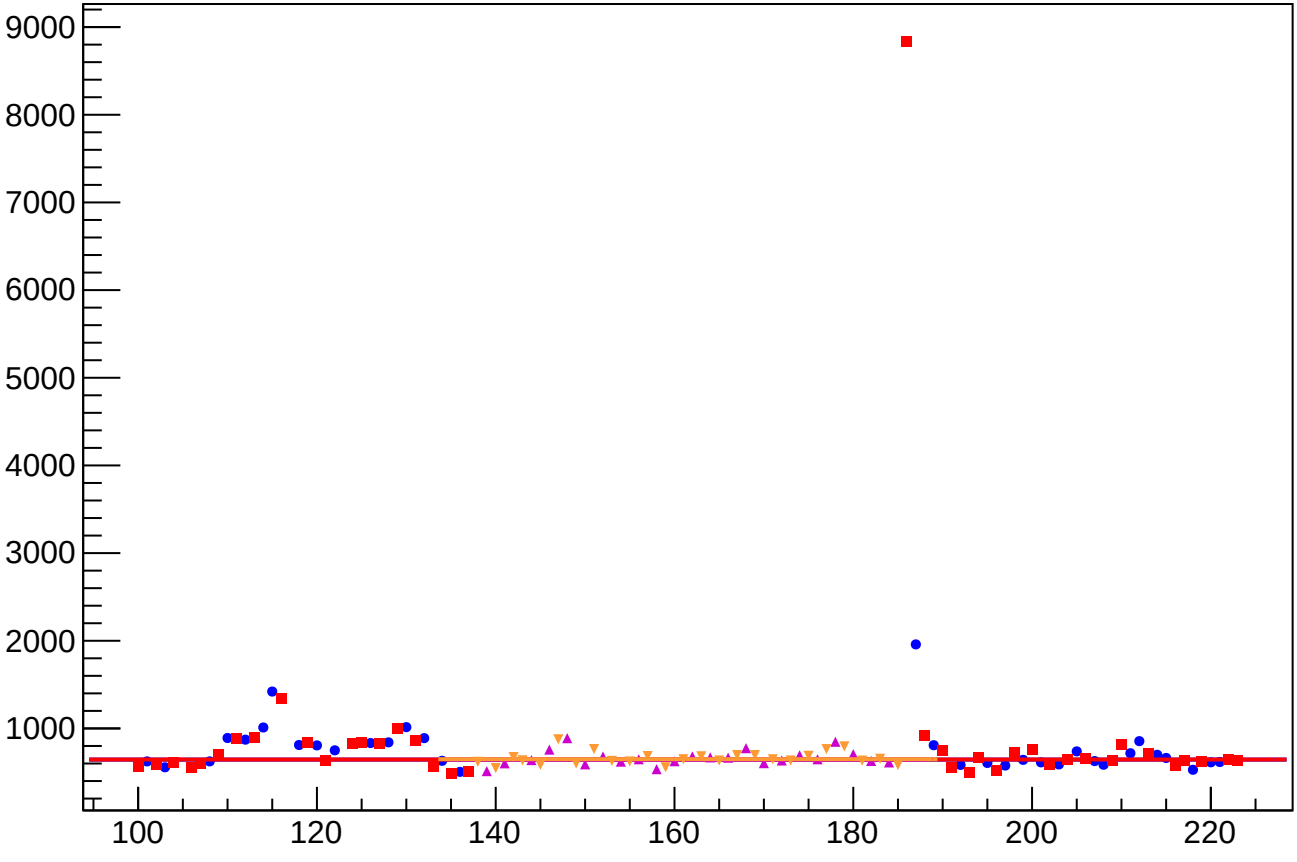
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 123.193+/-102.043 χ^2/NDF: 48.9/58

All: 260.880+/-72.348 χ^2/NDF: 157.9/120

- sign 400.052+/-102.591 χ^2/NDF: 105.4/61

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 644.393+/-0.099 χ^2/NDF: 1338350.0/33

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 645.408+/-0.098 χ^2/NDF: 2082826.1/38

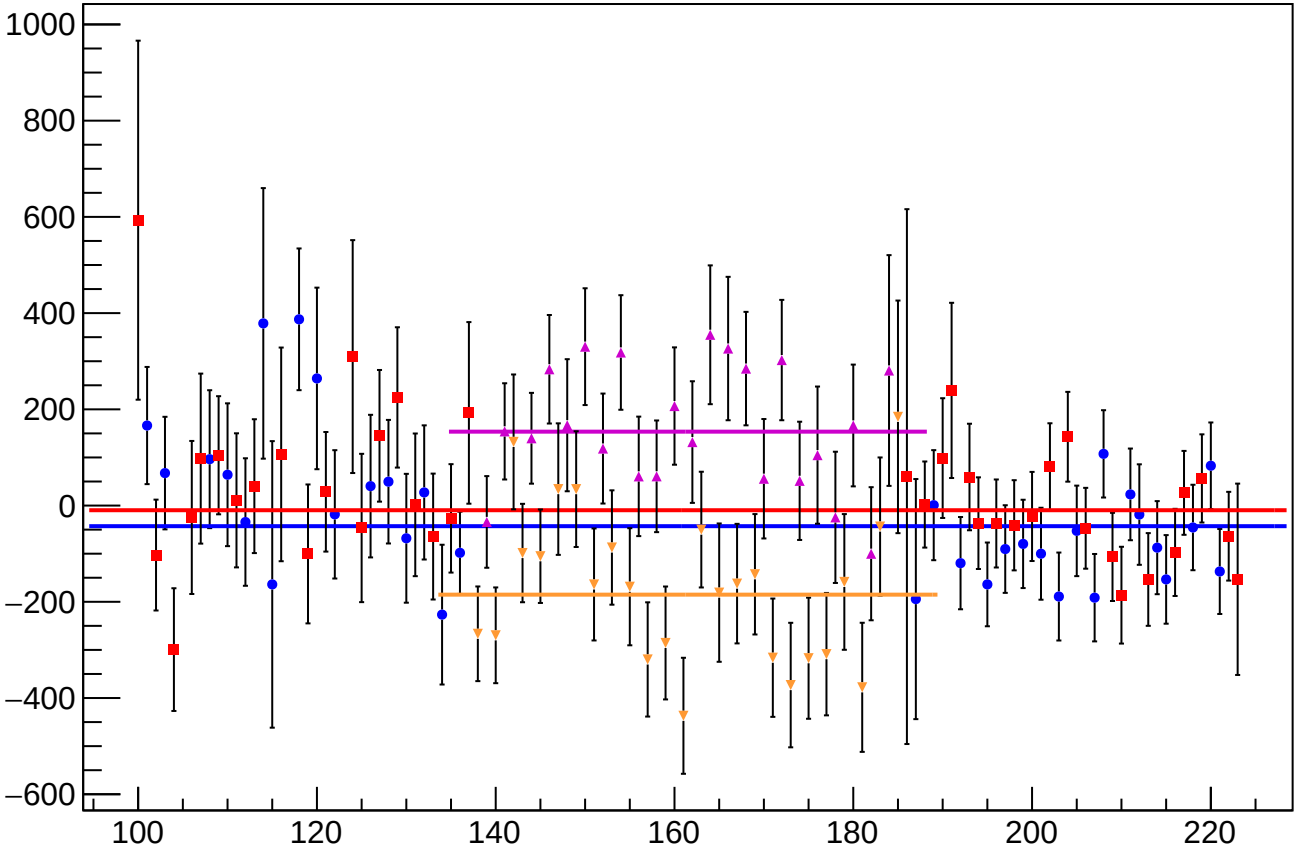
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 646.648+/-0.072 χ^2/NDF: 1757815.2/58

All: 645.729+/-0.051 χ^2/NDF: 4400171.5/120

- sign 644.800+/-0.073 χ^2/NDF: 2642030.0/61

cor_asym_sam_15_dd_mean vs Slug



Right In: -42.825+/-18.877 χ^2/NDF: 39.2/33

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -9.668+/-18.659 χ^2/NDF: 33.7/38

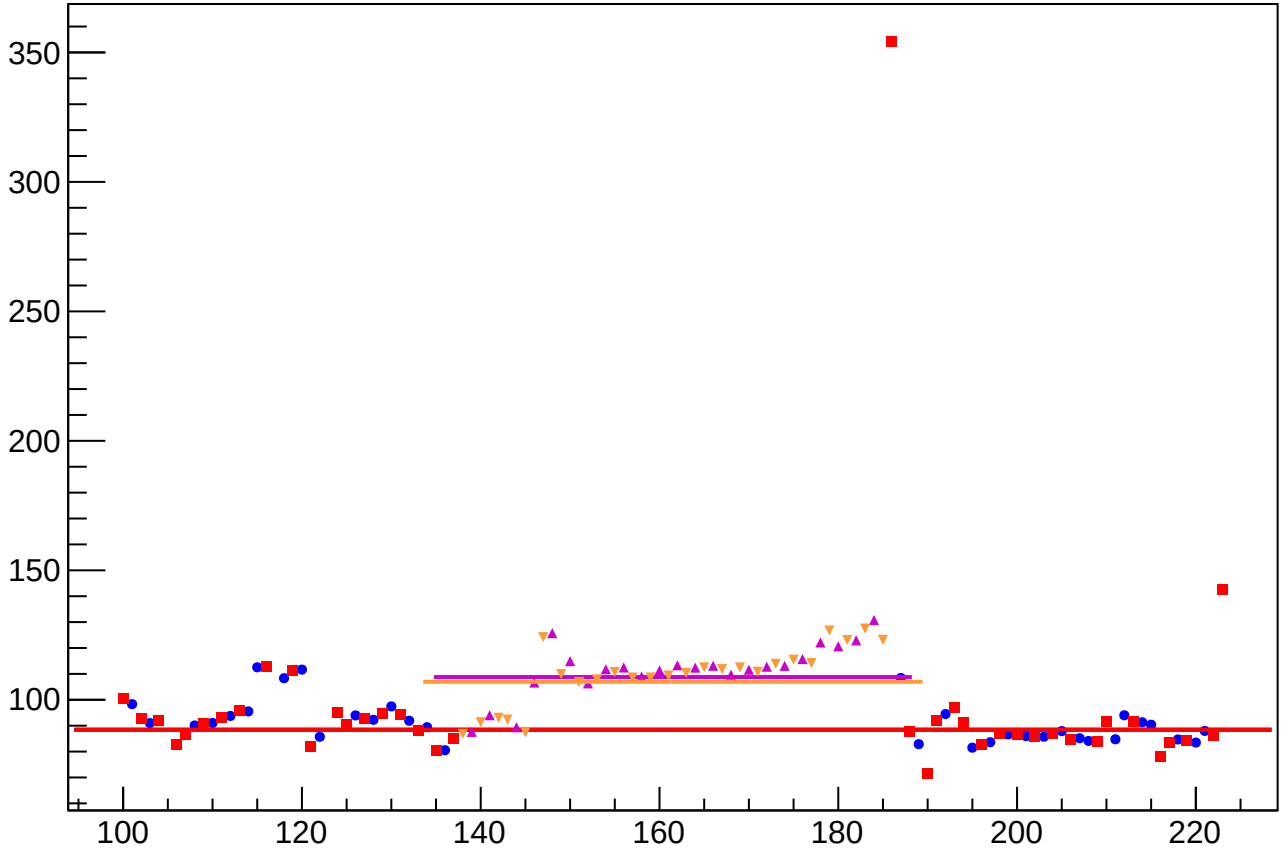
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -95.970+/-14.942 χ^2/NDF: 93.5/58

All: -24.993+/-10.609 χ^2/NDF: 222.9/120

- sign 47.166+/-15.066 χ^2/NDF: 83.9/61

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.443+/-0.013 χ^2/NDF: 208295.0/33

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.442+/-0.013 χ^2/NDF: 840618.5/38

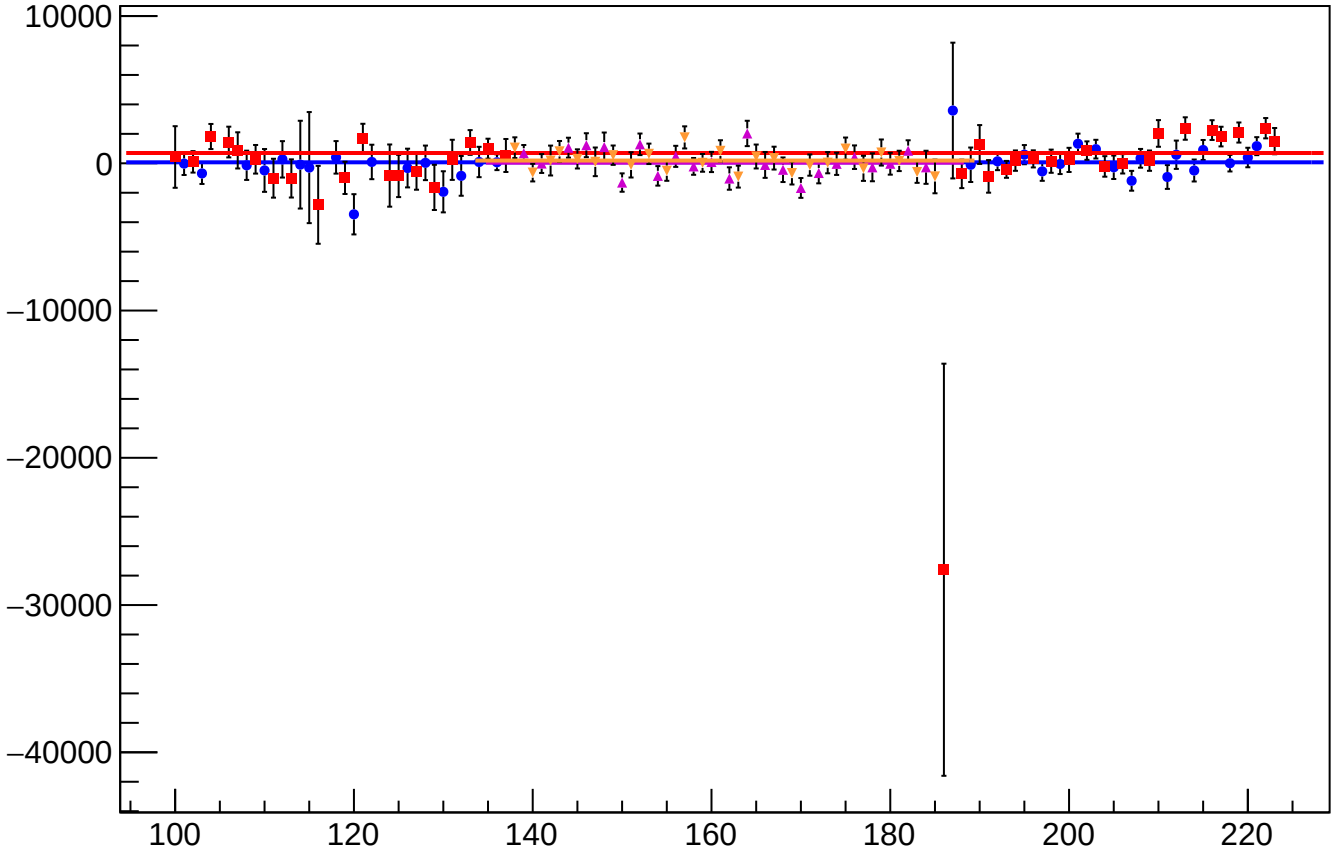
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 95.355+/-0.011 χ^2/NDF: 1390751.6/58

All: 95.437+/-0.008 χ^2/NDF: 3416984.6/120

- sign 95.520+/-0.011 χ^2/NDF: 2026111.8/61

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: 67.052+/-140.187 χ^2/NDF: 29.5/33

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 699.838+/-139.136 χ^2/NDF: 61.7/38

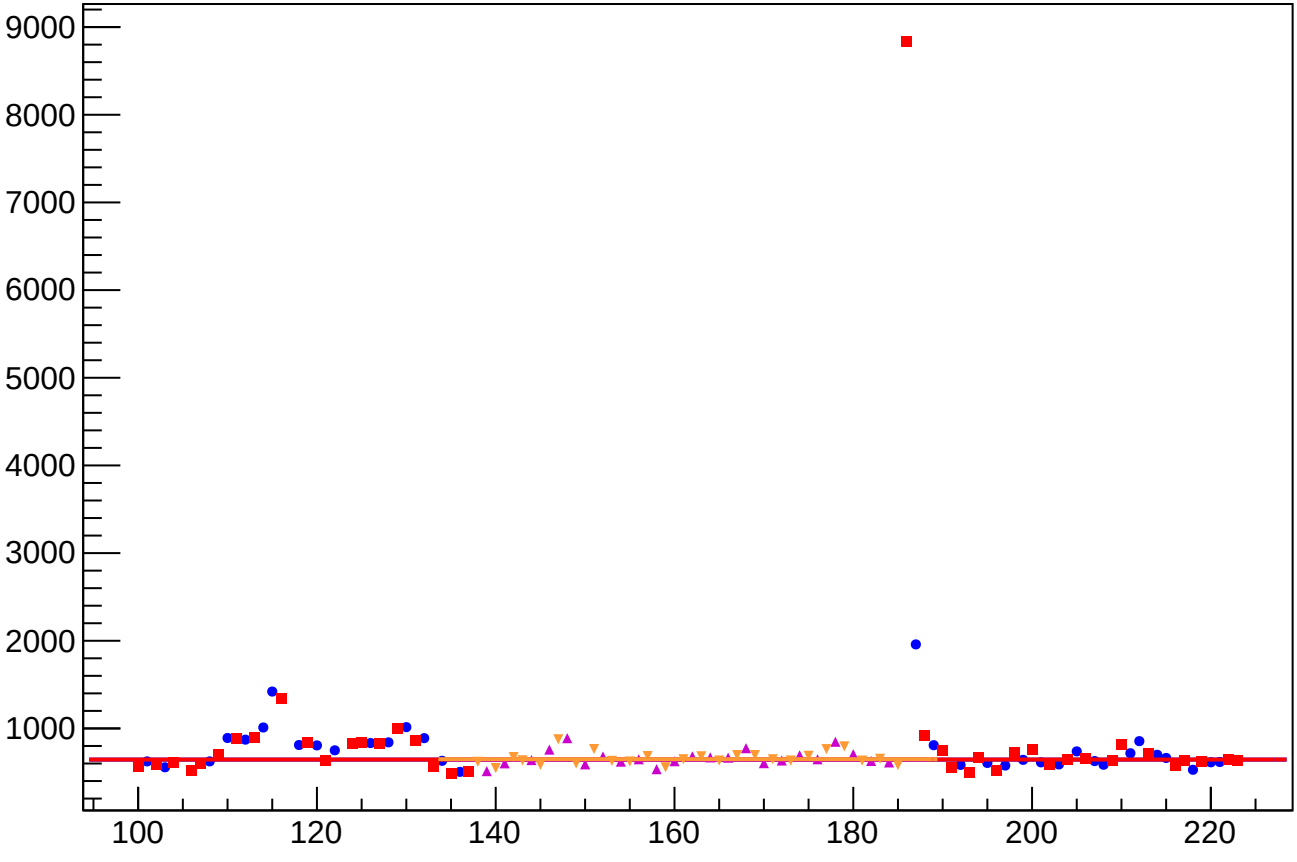
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 123.188+/-102.043 χ^2/NDF: 48.9/58

All: 261.085+/-72.369 χ^2/NDF: 158.1/120

- sign 400.627+/-102.649 χ^2/NDF: 105.6/61

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 644.393+/-0.099 χ^2/NDF: 1338349.0/33

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.108+/-0.098 χ^2/NDF: 2092050.9/38

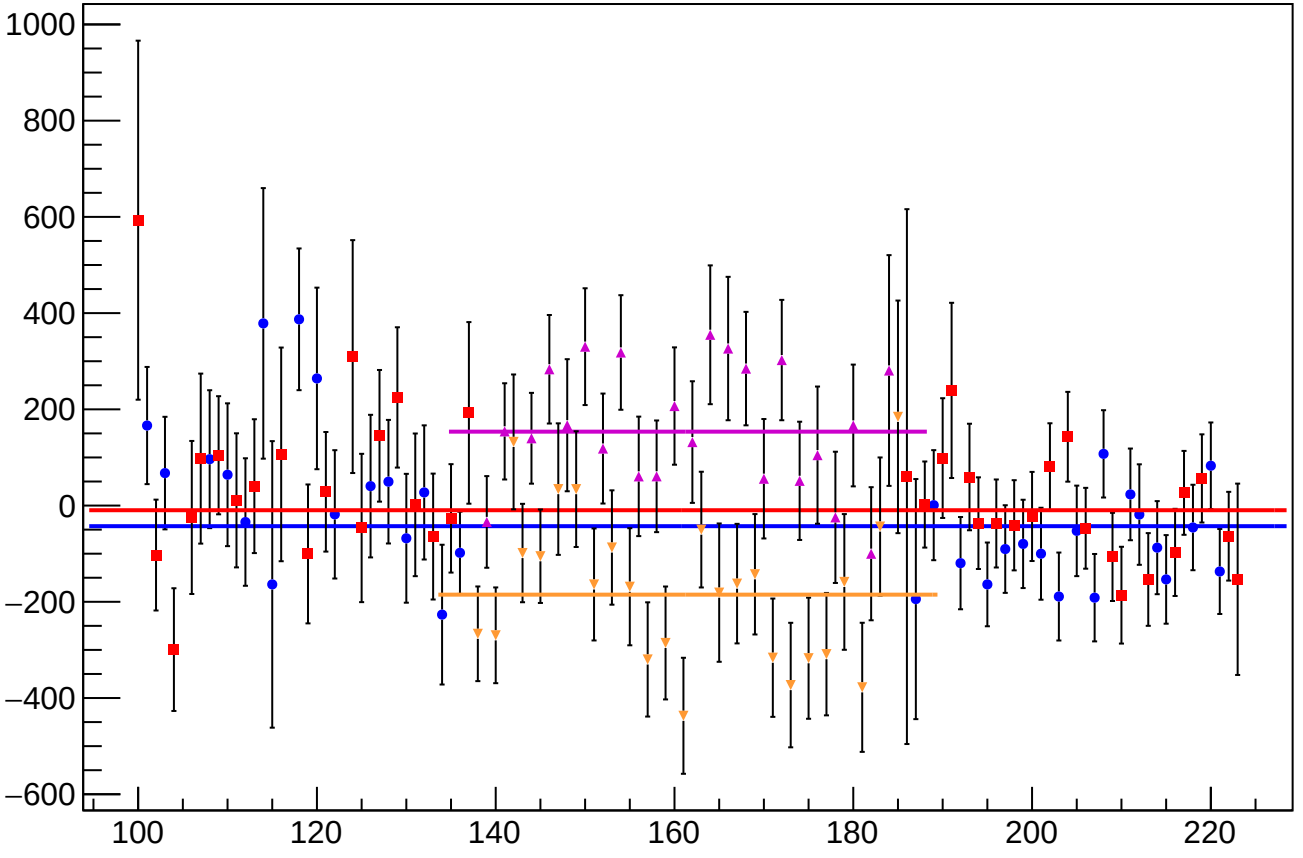
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 646.648+/-0.072 χ^2/NDF: 1757814.9/58

All: 645.648+/-0.051 χ^2/NDF: 4409423.8/120

- sign 644.636+/-0.073 χ^2/NDF: 2651222.5/61

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -42.825+/-18.877 χ^2/NDF: 39.2/33

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -9.668+/-18.659 χ^2/NDF: 33.7/38

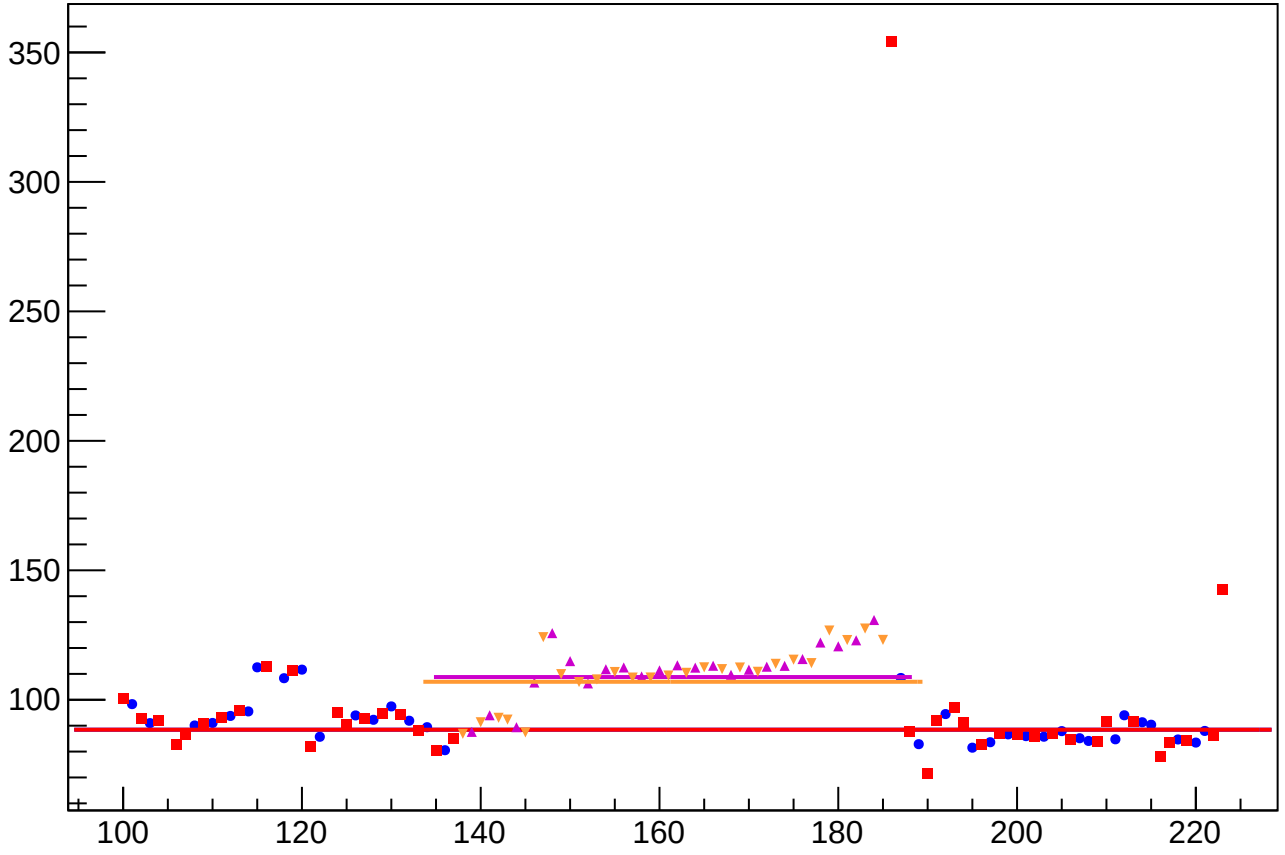
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -95.970+/-14.942 χ^2/NDF: 93.5/58

All: -24.993+/-10.609 χ^2/NDF: 222.9/120

- sign 47.166+/-15.066 χ^2/NDF: 83.9/61

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.443+/-0.013 χ^2/NDF: 208295.0/33

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

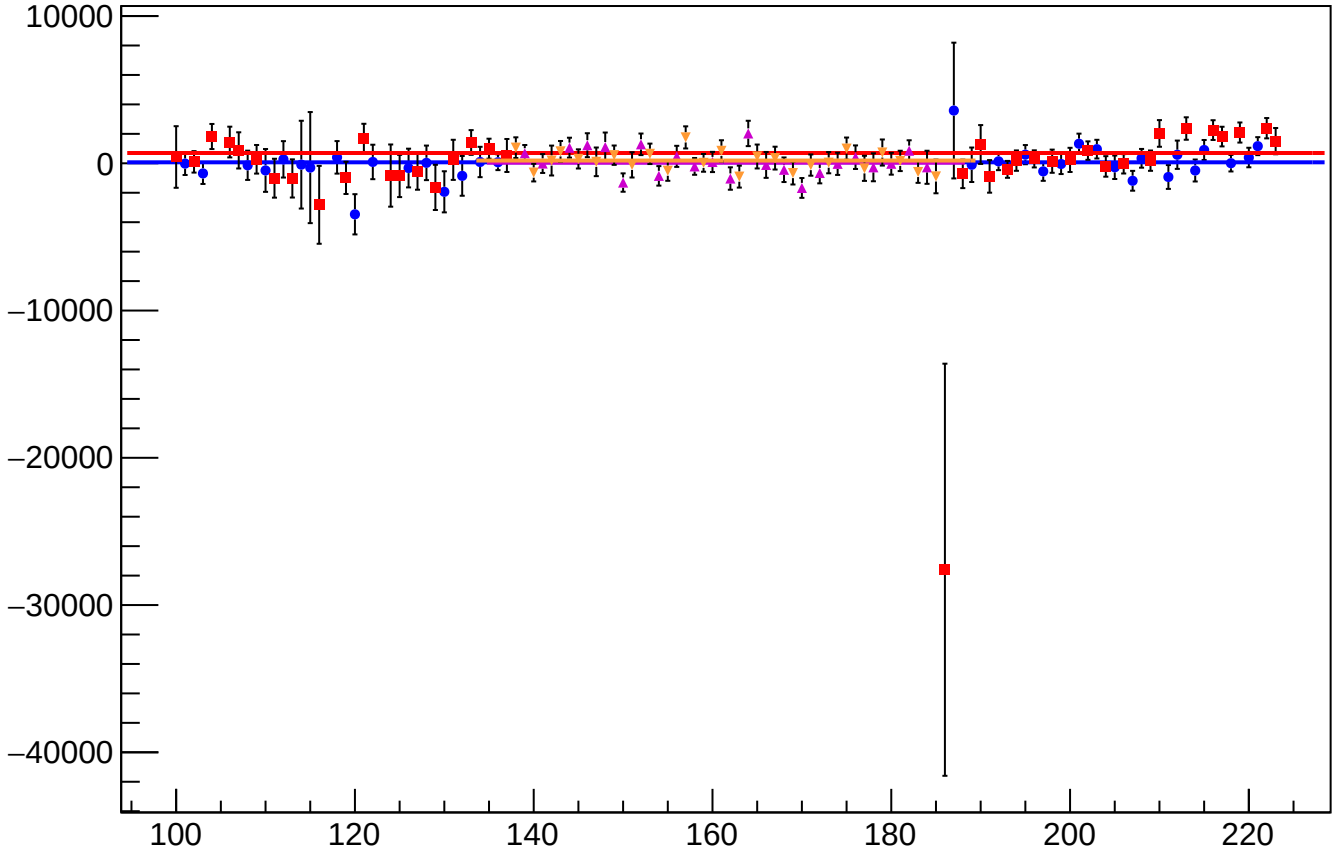
Right Out: 88.442+/-0.013 χ^2/NDF: 840618.5/38

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 95.355+/-0.011 χ^2/NDF: 1390751.6/58

All: 95.437+/-0.008 χ^2/NDF: 3416984.6/120

- sign 95.520+/-0.011 χ^2/NDF: 2026111.8/61



Right In: 67.052+/-140.187 χ^2/NDF: 29.5/33

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 699.838+/-139.136 χ^2/NDF: 61.7/38

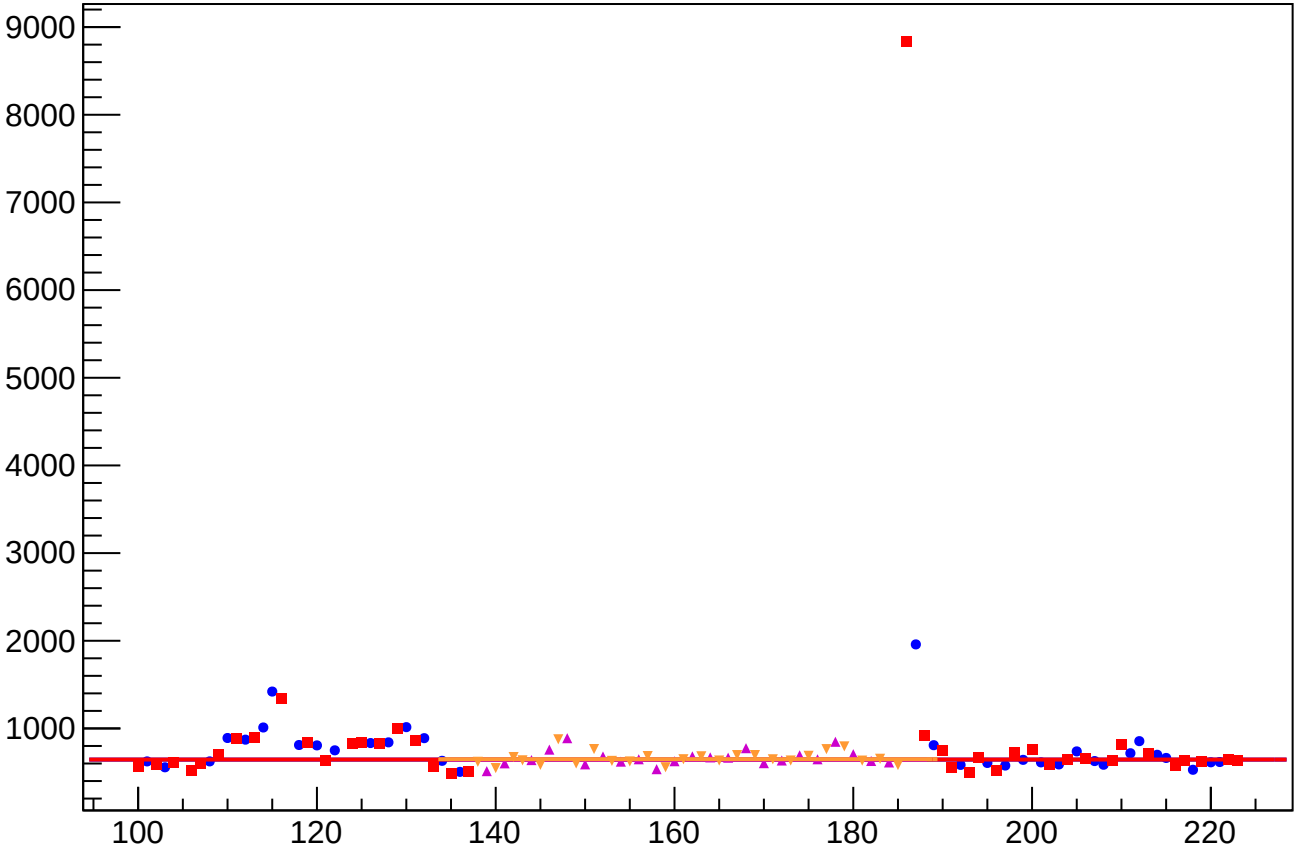
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 123.188+/-102.043 χ^2/NDF: 48.9/58

All: 261.085+/-72.369 χ^2/NDF: 158.1/120

- sign 400.627+/-102.649 χ^2/NDF: 105.6/61

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 644.393+/-0.099 χ^2/NDF: 1338349.0/33

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.108+/-0.098 χ^2/NDF: 2092050.9/38

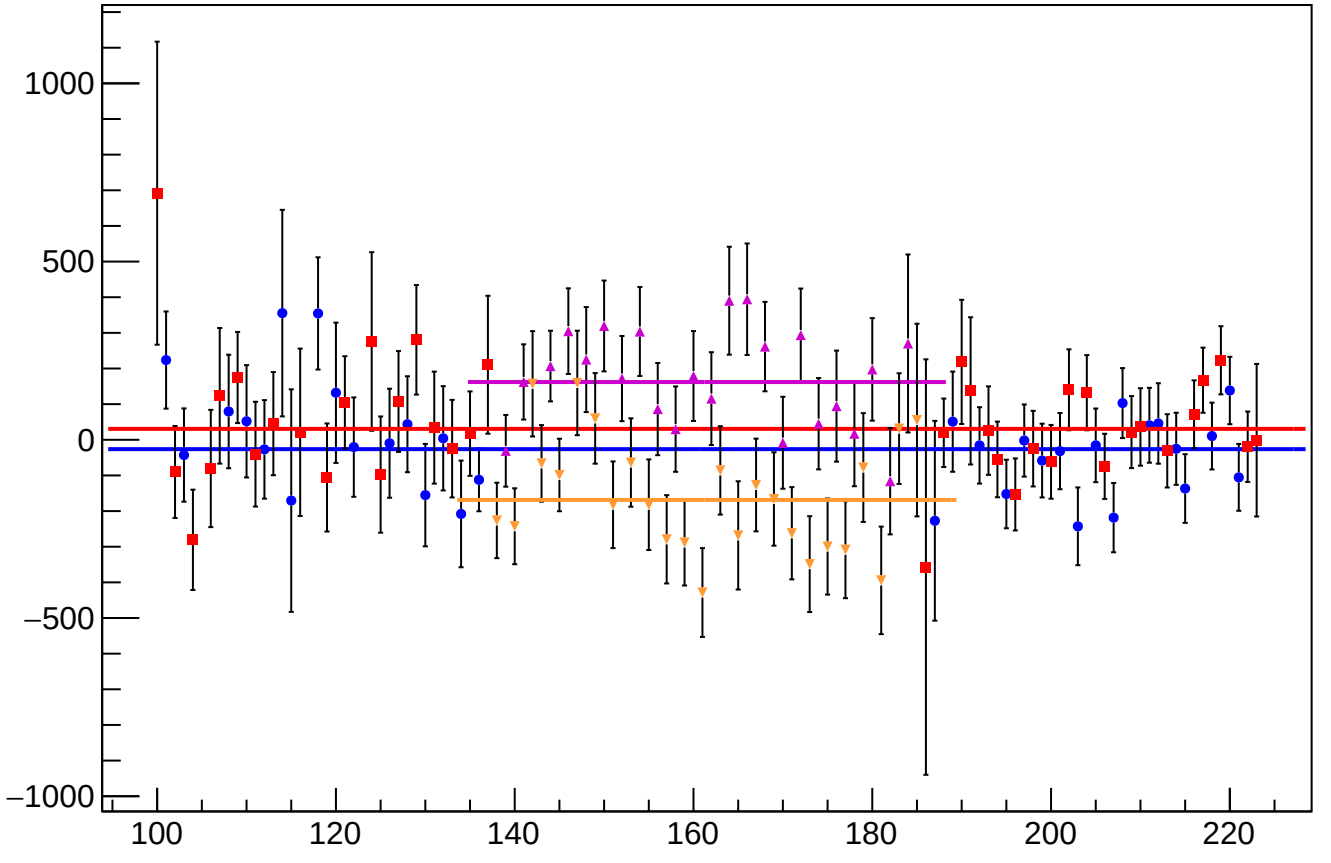
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 646.648+/-0.072 χ^2/NDF: 1757814.9/58

All: 645.648+/-0.051 χ^2/NDF: 4409423.8/120

- sign 644.636+/-0.073 χ^2/NDF: 2651222.5/61

dit_asym_sam_15_dd_mean vs Slug



Right In: -26.215+/-20.460 χ^2/NDF: 34.4/33

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 30.643+/-20.305 χ^2/NDF: 34.3/38

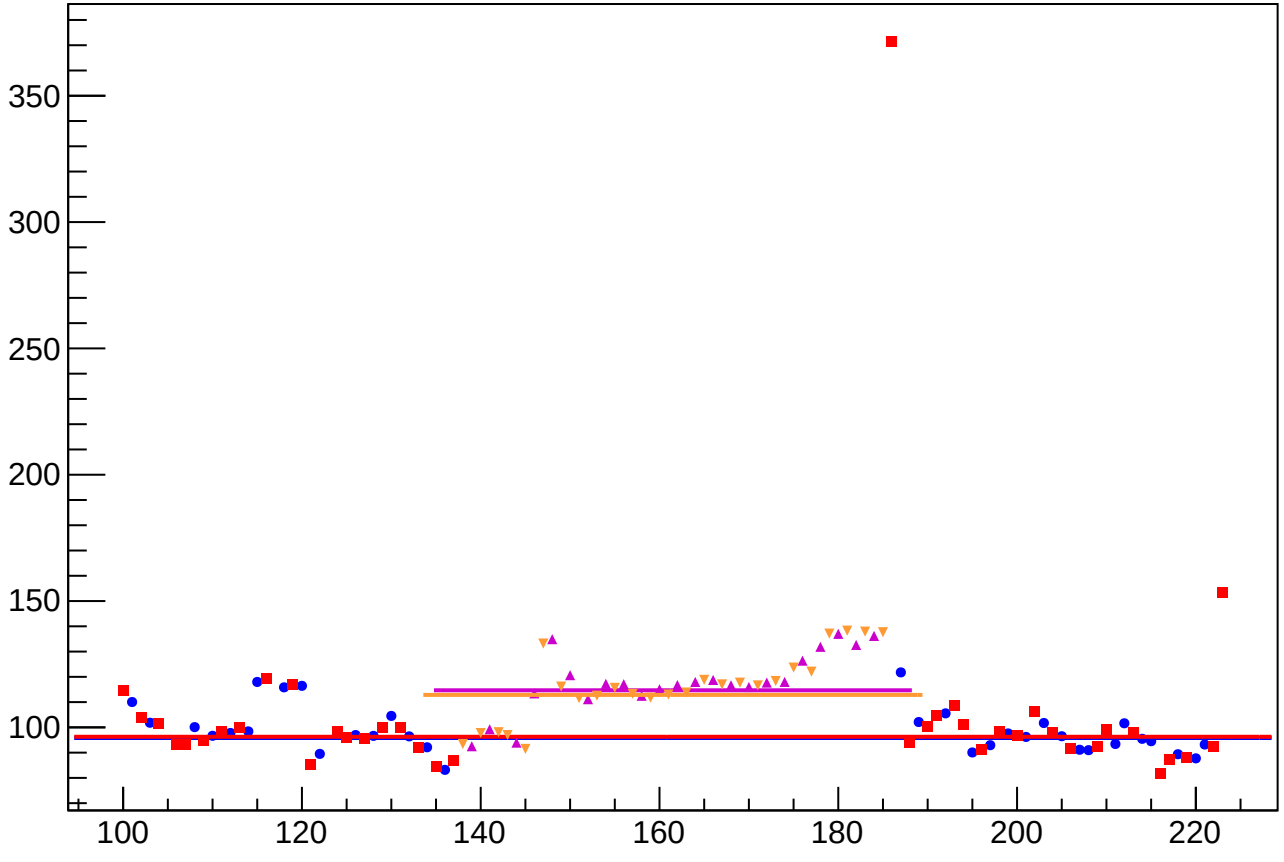
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -81.149+/-16.035 χ^2/NDF: 85.4/58

All: -2.358+/-11.402 χ^2/NDF: 207.3/120

- sign 78.223+/-16.217 χ^2/NDF: 73.1/61

dit_asym_sam_15_dd_rms vs Slug



Right In: 95.795+/-0.014 χ^2/NDF: 241096.5/33

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 96.276+/-0.014 χ^2/NDF: 849839.9/38

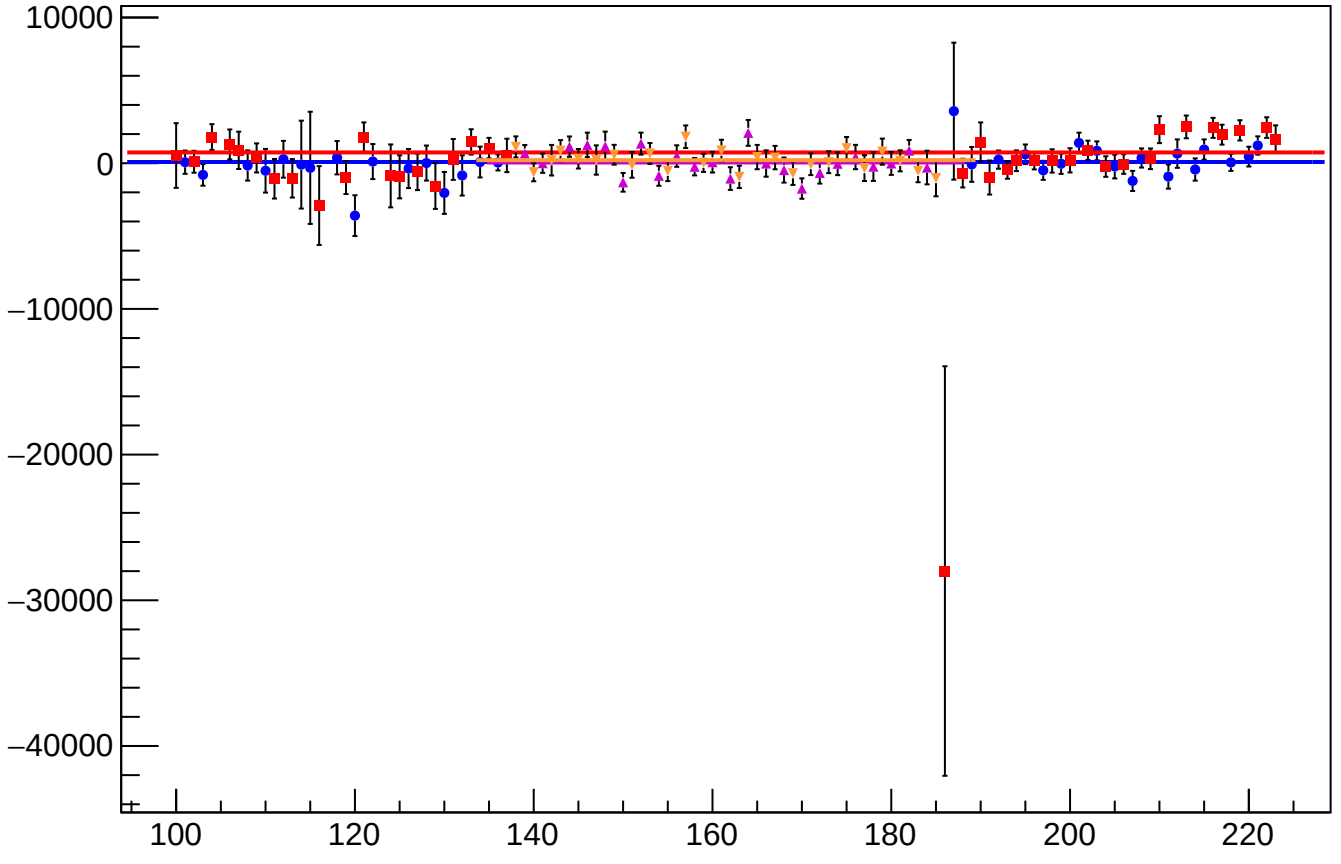
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

\+ sign 102.373+/-0.011 χ^2/NDF: 1289402.4/58

All: 102.653+/-0.008 χ^2/NDF: 3145246.2/120

\- sign 102.940+/-0.011 χ^2/NDF: 1854608.3/61

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: 83.510+/-144.129 χ^2/NDF: 29.5/33

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 737.786+/-143.149 χ^2/NDF: 65.1/38

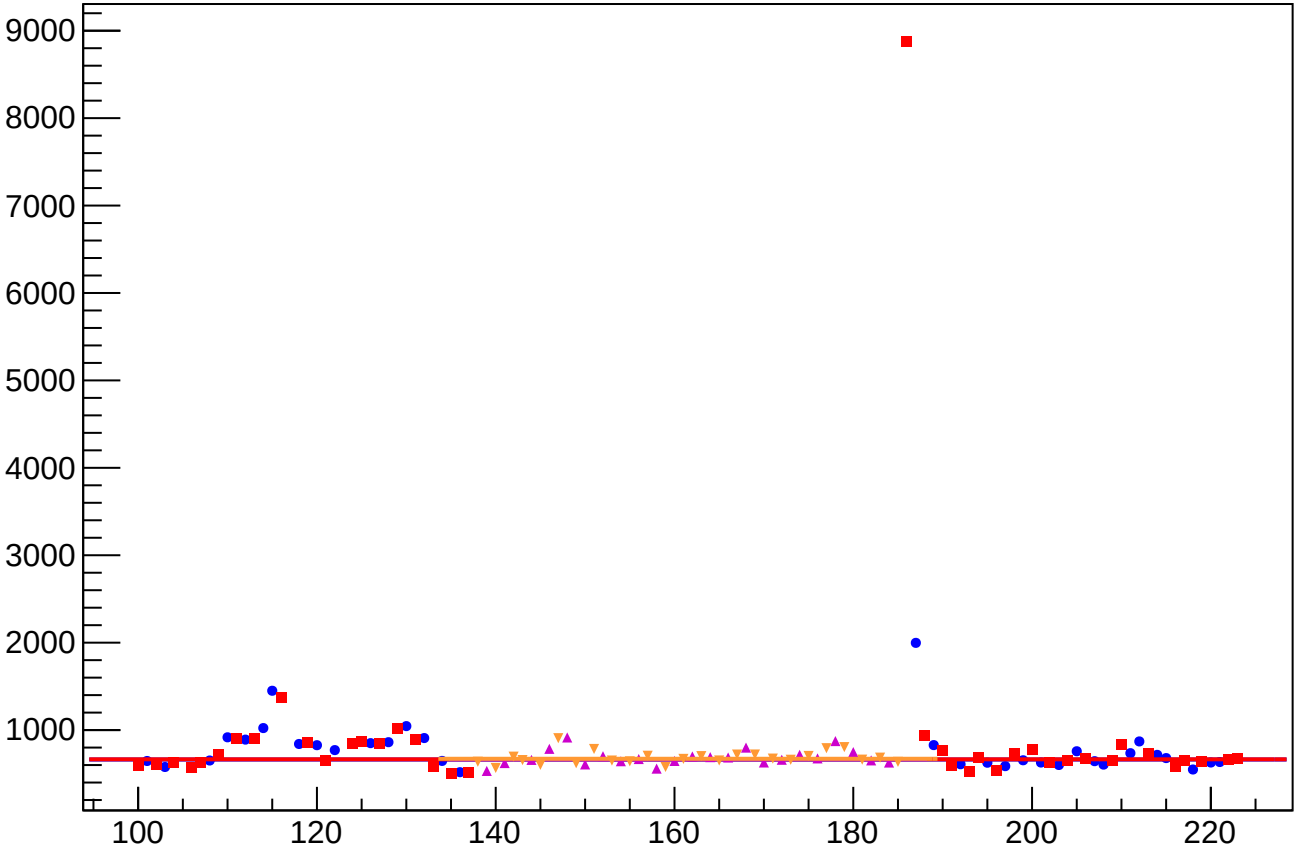
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 142.311+/-105.208 χ^2/NDF: 48.7/58

All: 283.554+/-74.646 χ^2/NDF: 161.2/120

- sign 426.738+/-105.928 χ^2/NDF: 108.9/61

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 663.013+/-0.102 χ^2/NDF: 1308004.4/33

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

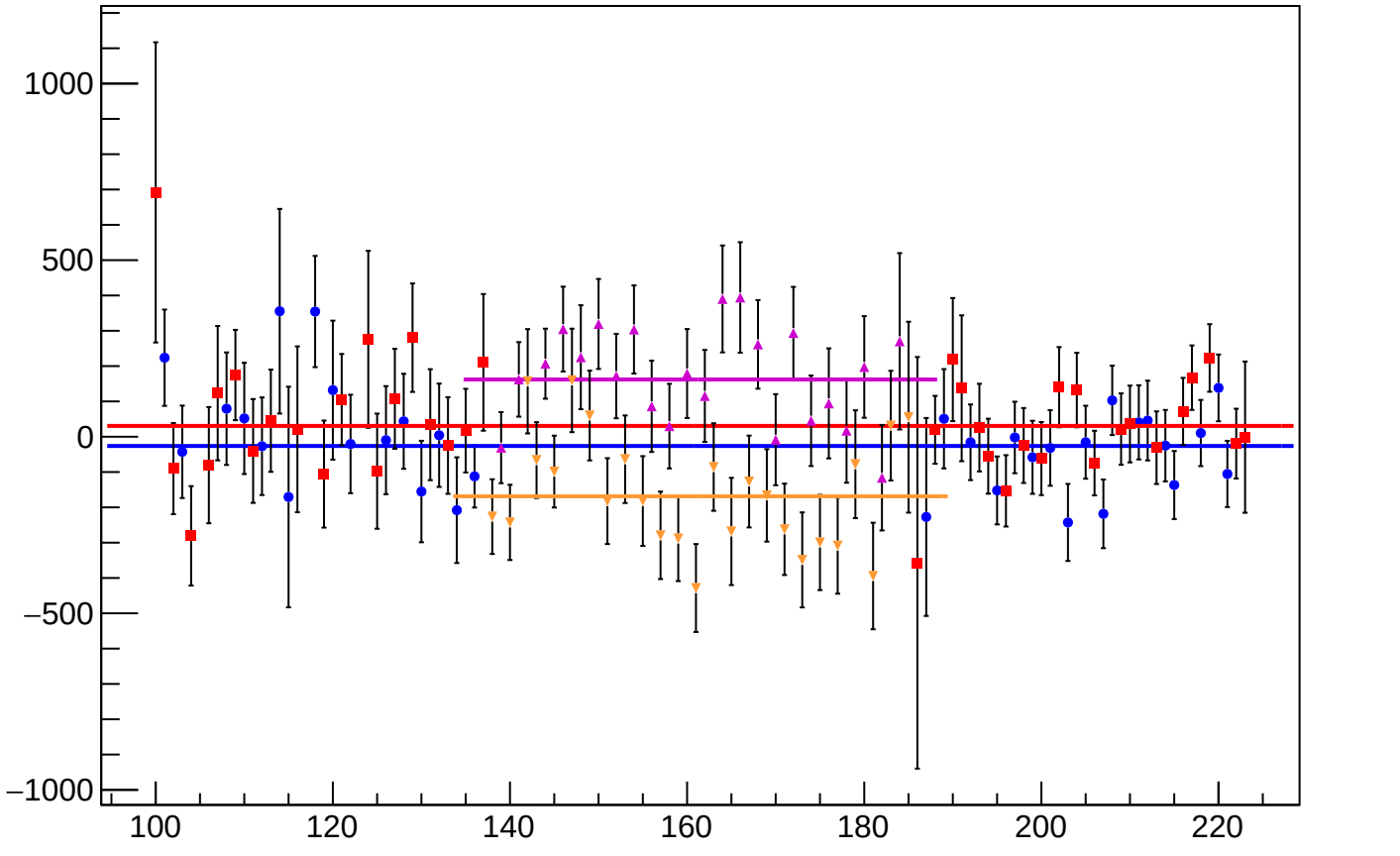
Right Out: 665.582+/-0.101 χ^2/NDF: 2001789.5/38

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 667.141+/-0.074 χ^2/NDF: 1710675.7/58

All: 666.762+/-0.053 χ^2/NDF: 4259557.6/120

- sign 666.378+/-0.075 χ^2/NDF: 2548829.7/61



Right In: -26.215+/-20.460 χ^2/NDF: 34.4/33

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 30.642+/-20.305 χ^2/NDF: 34.3/38

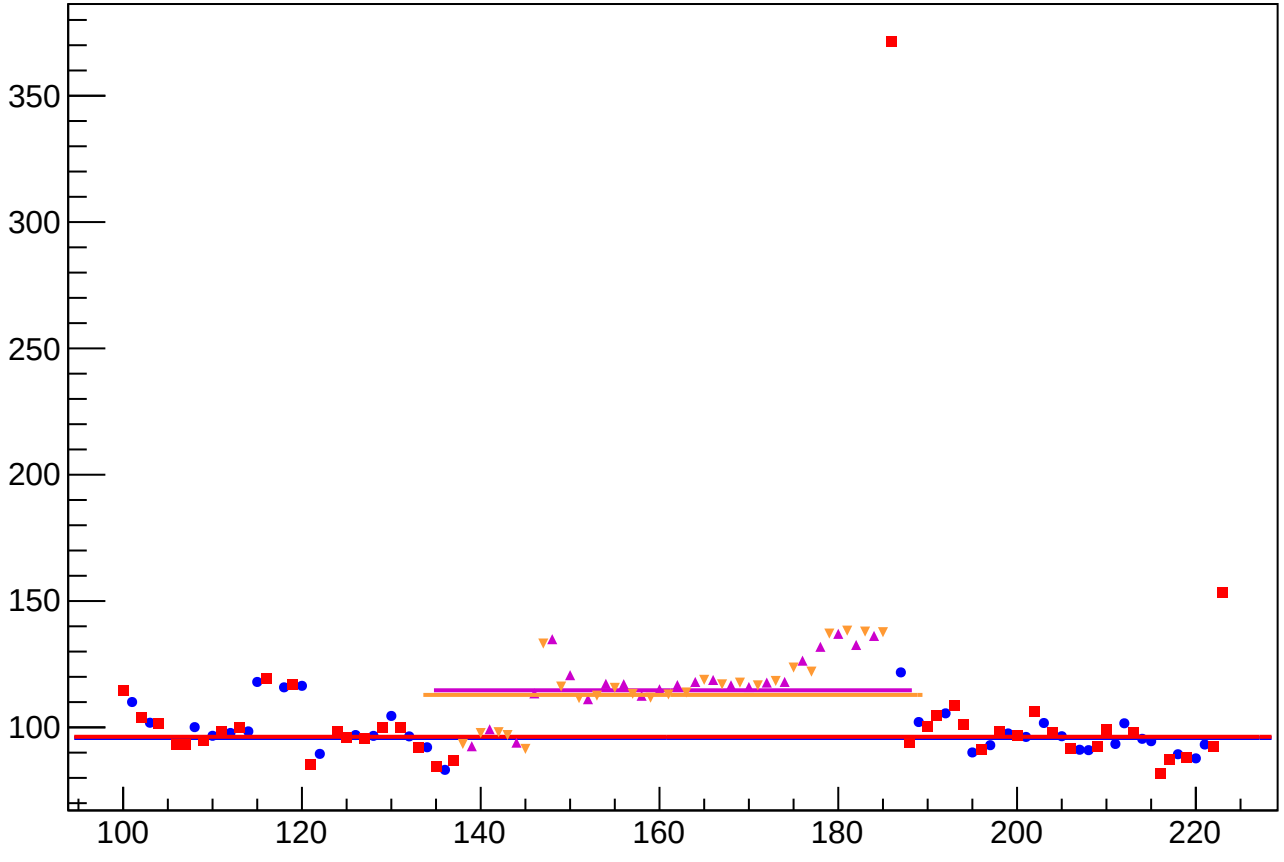
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -81.149+/-16.035 χ^2/NDF: 85.4/58

All: -2.358+/-11.402 χ^2/NDF: 207.3/120

- sign 78.222+/-16.217 χ^2/NDF: 73.1/61

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 95.795+/-0.014 χ^2/NDF: 241101.2/33

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

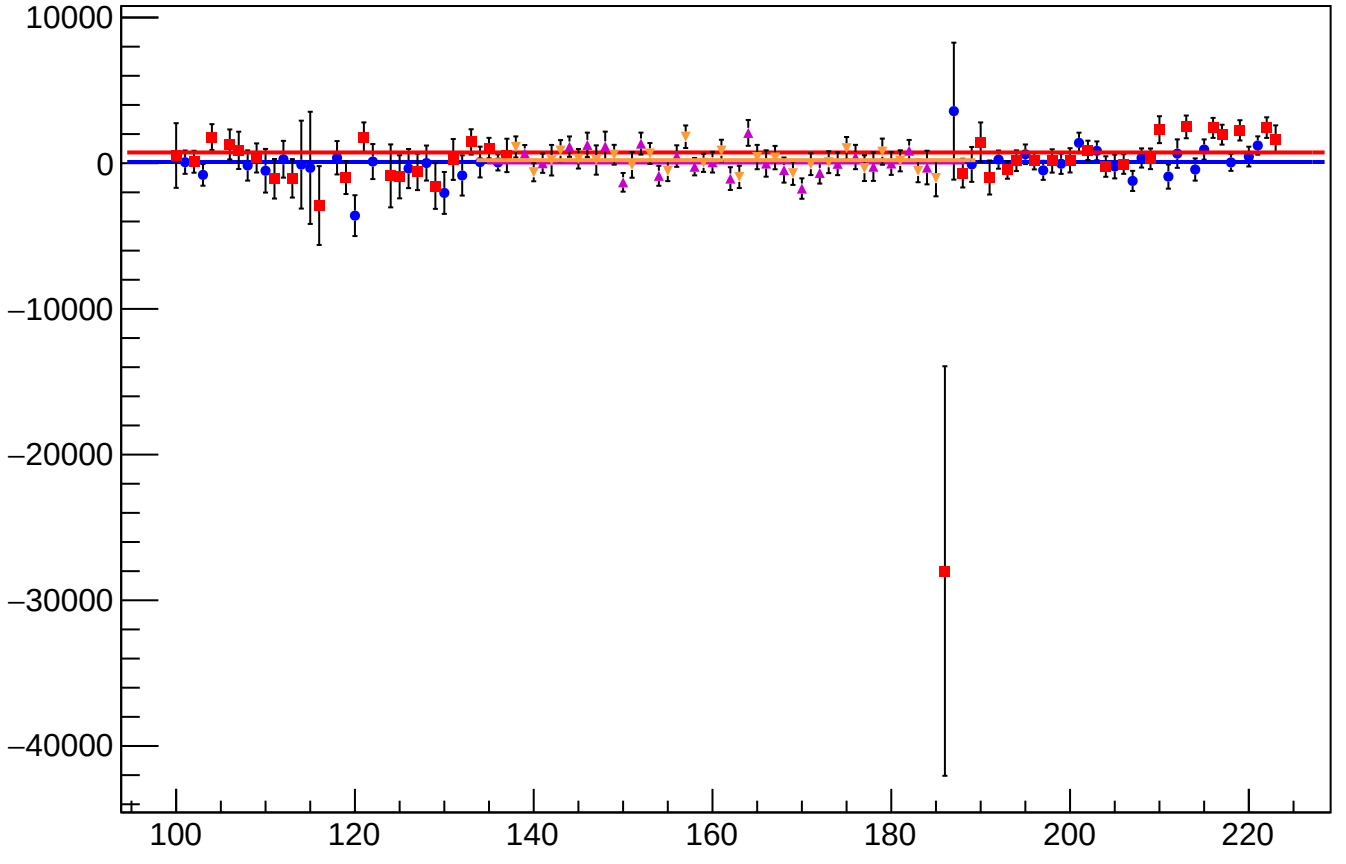
Right Out: 96.276+/-0.014 χ^2/NDF: 849845.3/38

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 102.373+/-0.011 χ^2/NDF: 1289412.4/58

All: 102.653+/-0.008 χ^2/NDF: 3145276.2/120

- sign 102.940+/-0.011 χ^2/NDF: 1854628.4/61



Right In: 83.509+/-144.129 χ^2/NDF: 29.5/33

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 737.787+/-143.148 χ^2/NDF: 65.1/38

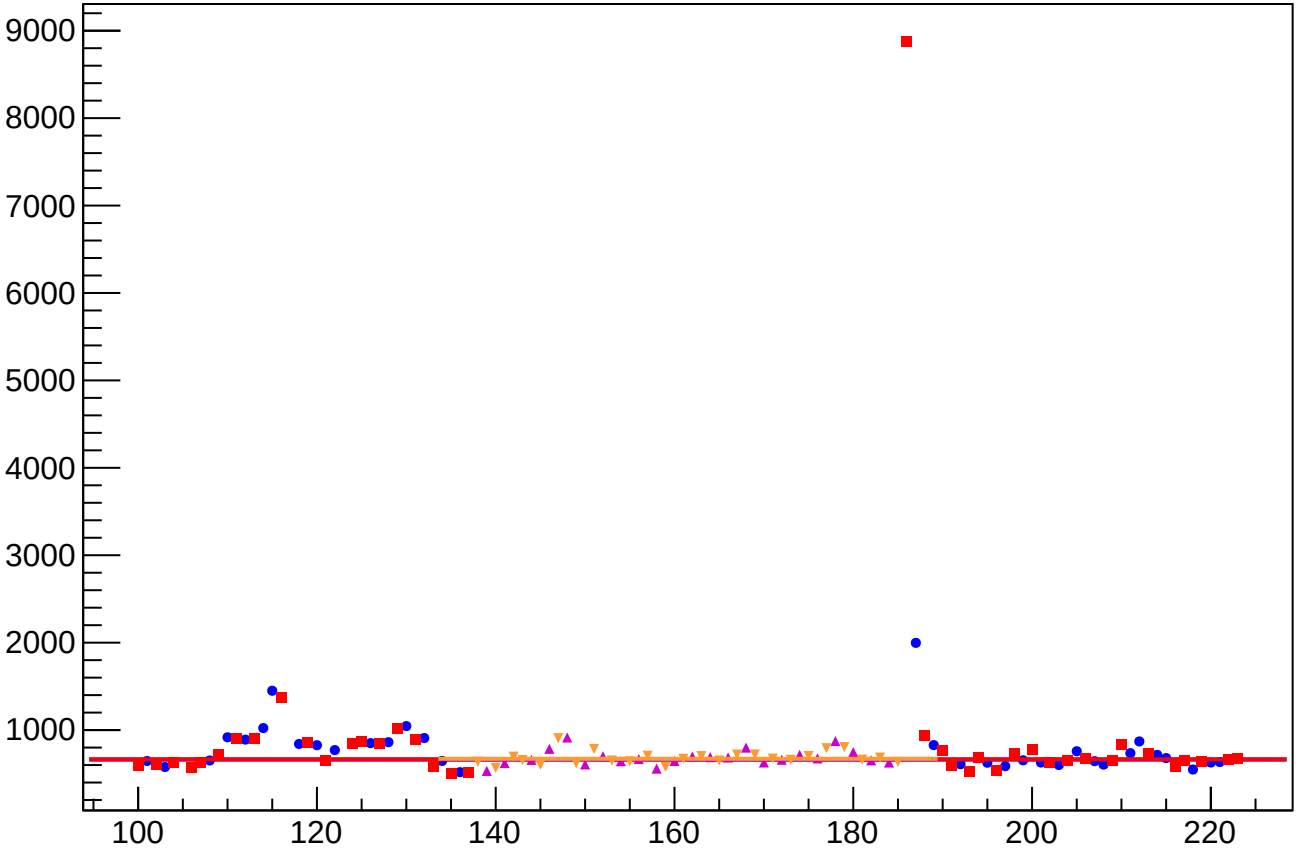
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 142.310+/-105.208 χ^2/NDF: 48.7/58

All: 283.555+/-74.646 χ^2/NDF: 161.2/120

- sign 426.740+/-105.928 χ^2/NDF: 108.9/61

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 663.012+/-0.102 χ^2/NDF: 1308004.5/33

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.581+/-0.101 χ^2/NDF: 2001795.8/38

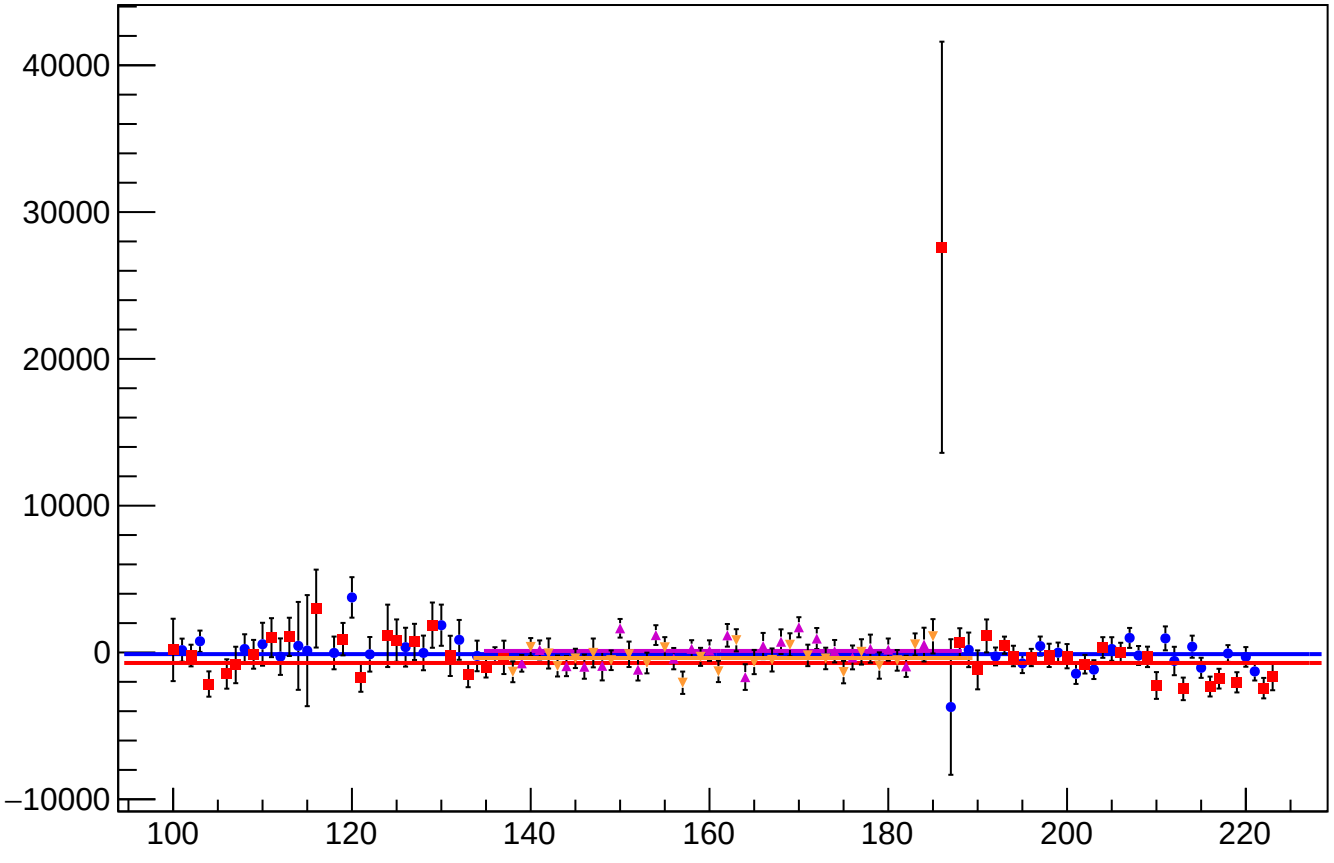
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 667.140+/-0.074 χ^2/NDF: 1710677.1/58

All: 666.762+/-0.053 χ^2/NDF: 4259567.8/120

- sign 666.378+/-0.075 χ^2/NDF: 2548838.5/61

asym_sam_15_dd_mean vs Slug



Right In: -112.371+/-141.626 χ^2/NDF: 32.1/33

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -715.453+/-140.467 χ^2/NDF: 66.0/38

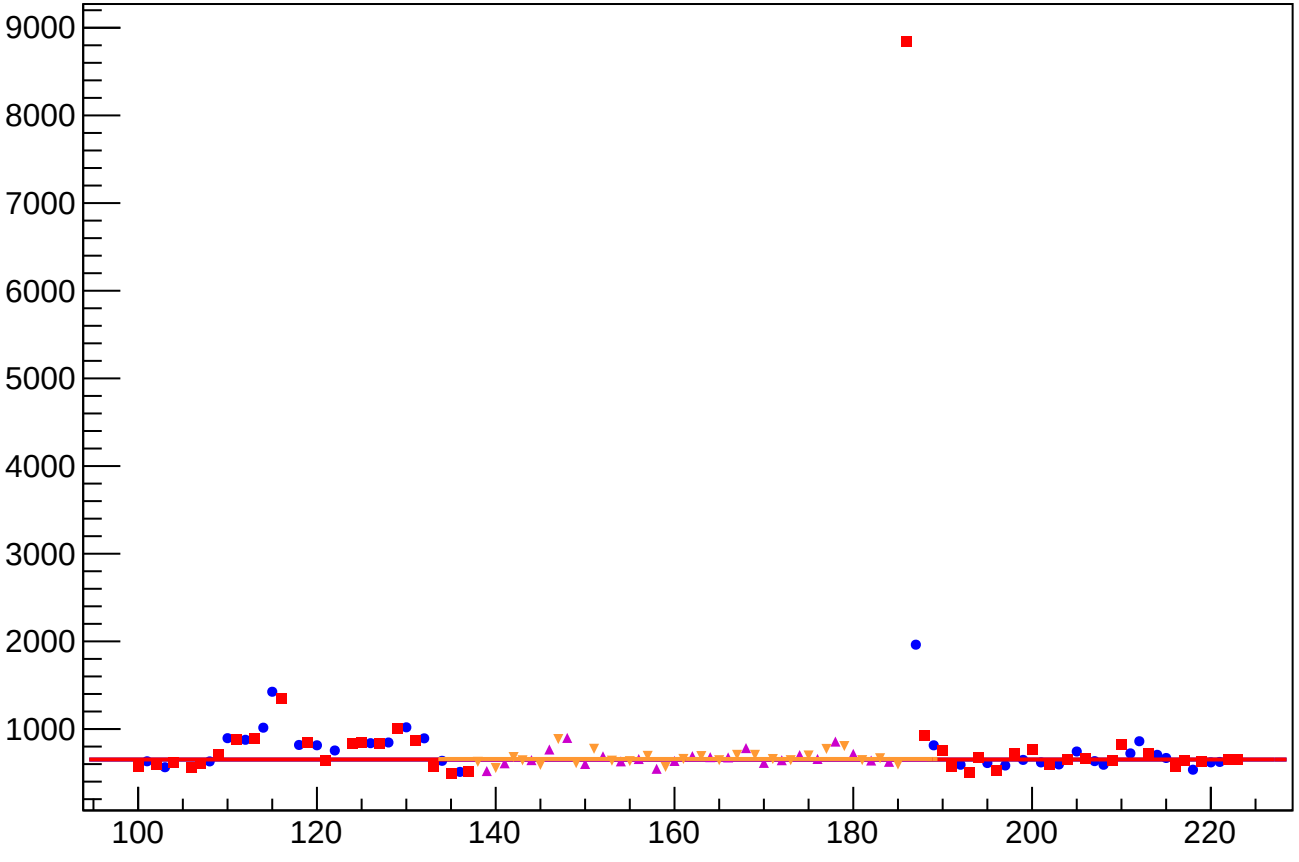
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -236.363+/-103.284 χ^2/NDF: 55.2/58

All: -290.118+/-73.244 χ^2/NDF: 172.7/120

- sign -344.498+/-103.883 χ^2/NDF: 116.9/61

asym_sam_15_dd_rms vs Slug



Right In: 651.376+/-0.100 χ^2/NDF: 1307317.5/33

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

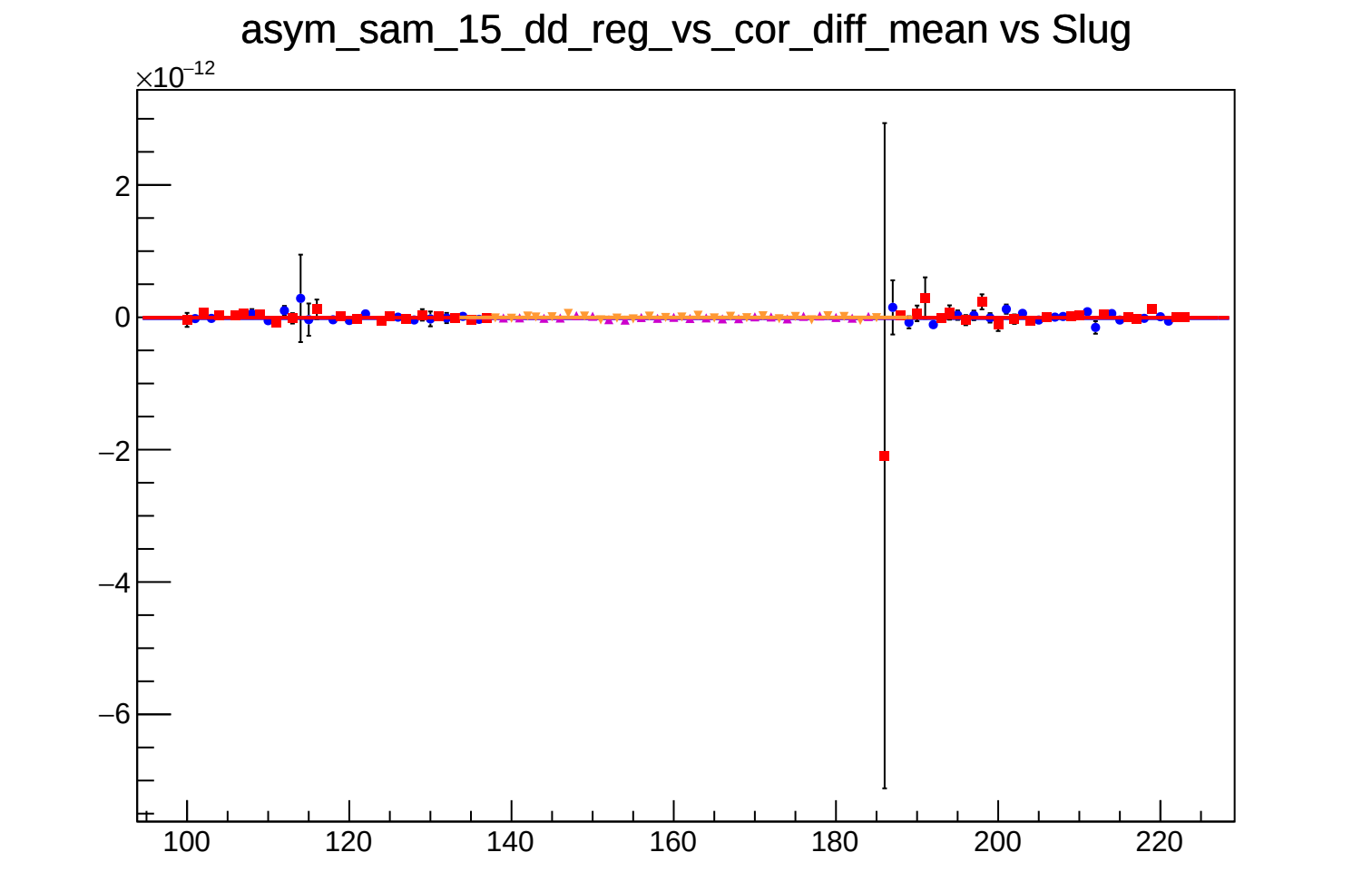
Right Out: 652.714+/-0.099 χ^2/NDF: 2041596.7/38

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 654.792+/-0.073 χ^2/NDF: 1719486.7/58

All: 654.037+/-0.052 χ^2/NDF: 4303446.4/120

- sign 653.274+/-0.073 χ^2/NDF: 2583745.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

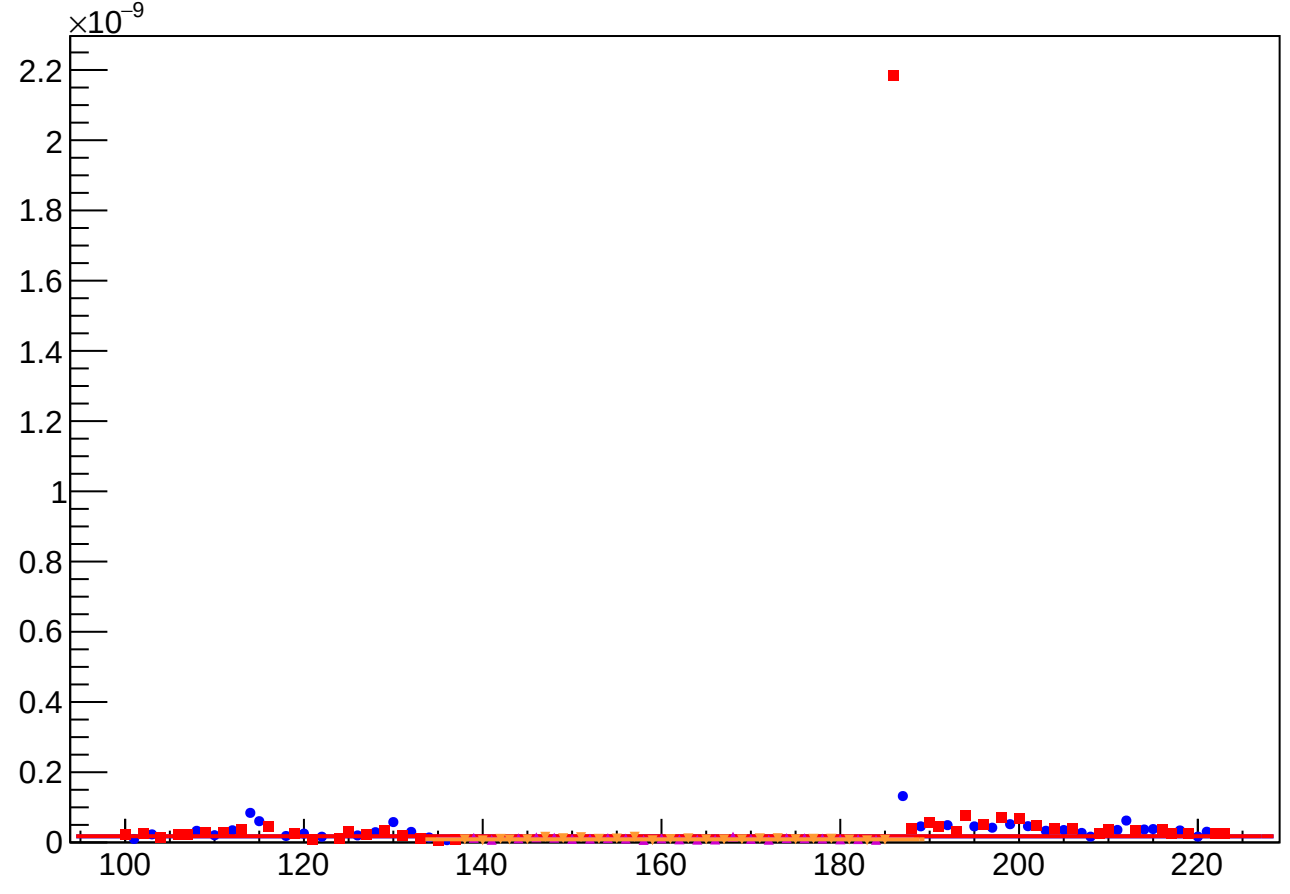
Right Out: -0.000+/-0.000 χ^2/NDF: 38.3/38

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.8/58

All: -0.000+/-0.000 χ^2/NDF: 119.2/120

- sign -0.000+/-0.000 χ^2/NDF: 54.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 7540715.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8278917.7/38

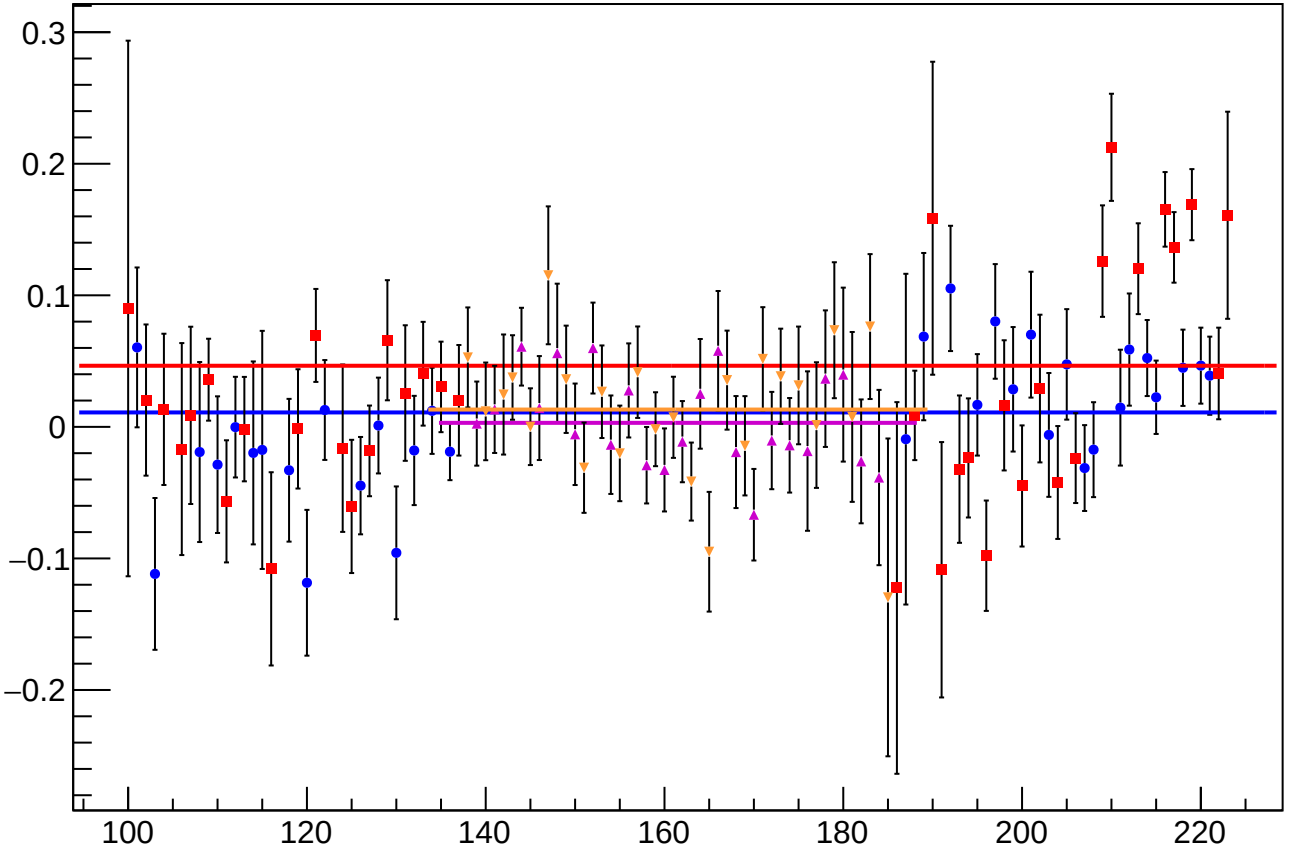
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11075996.3/58

All: 0.000+/-0.000 χ^2/NDF: 22095748.4/120

- sign 0.000+/-0.000 χ^2/NDF: 10837713.6/61

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.007 χ^2/NDF: 41.1/33

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.046+/-0.007 χ^2/NDF: 135.4/38

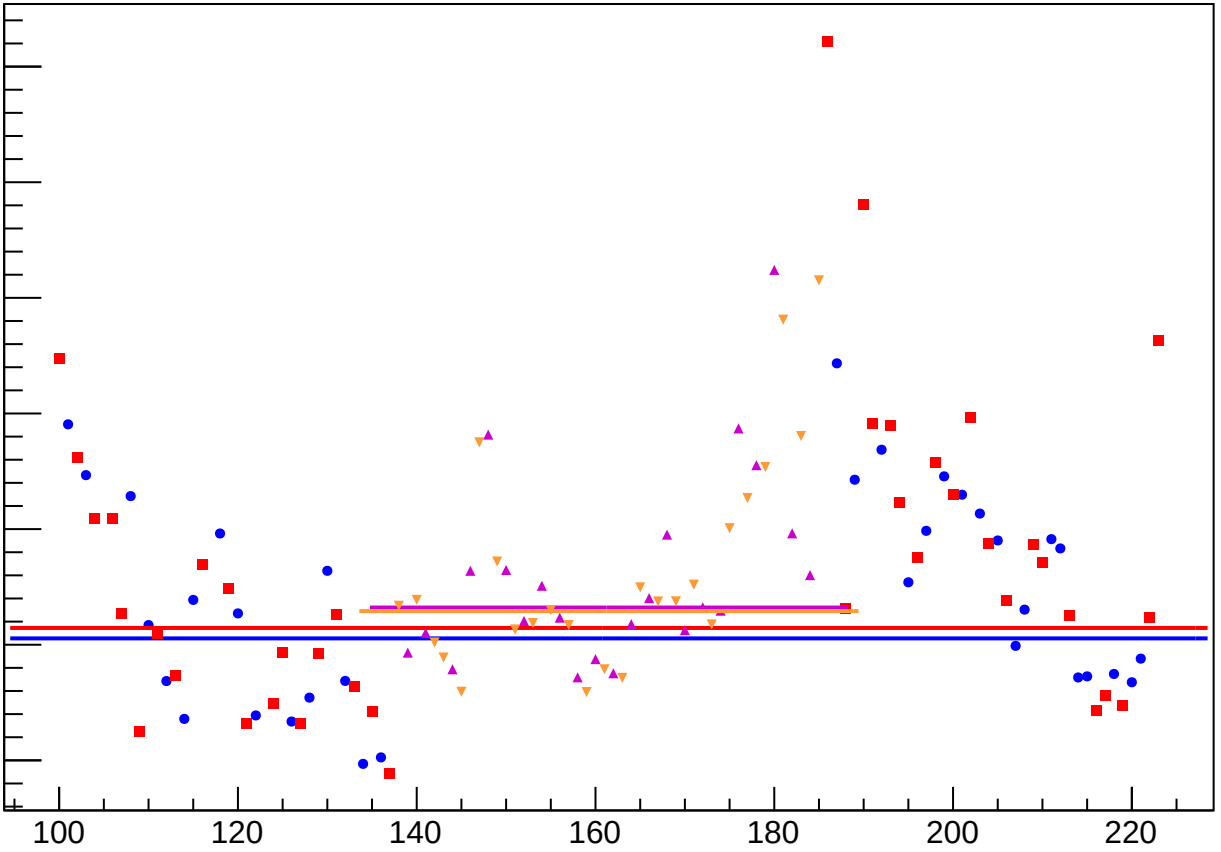
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.012+/-0.005 χ^2/NDF: 66.5/58

All: 0.020+/-0.004 χ^2/NDF: 242.8/120

- sign 0.028+/-0.005 χ^2/NDF: 171.6/61

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.549+/-0.005 χ^2/NDF: 2654805.9/33

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

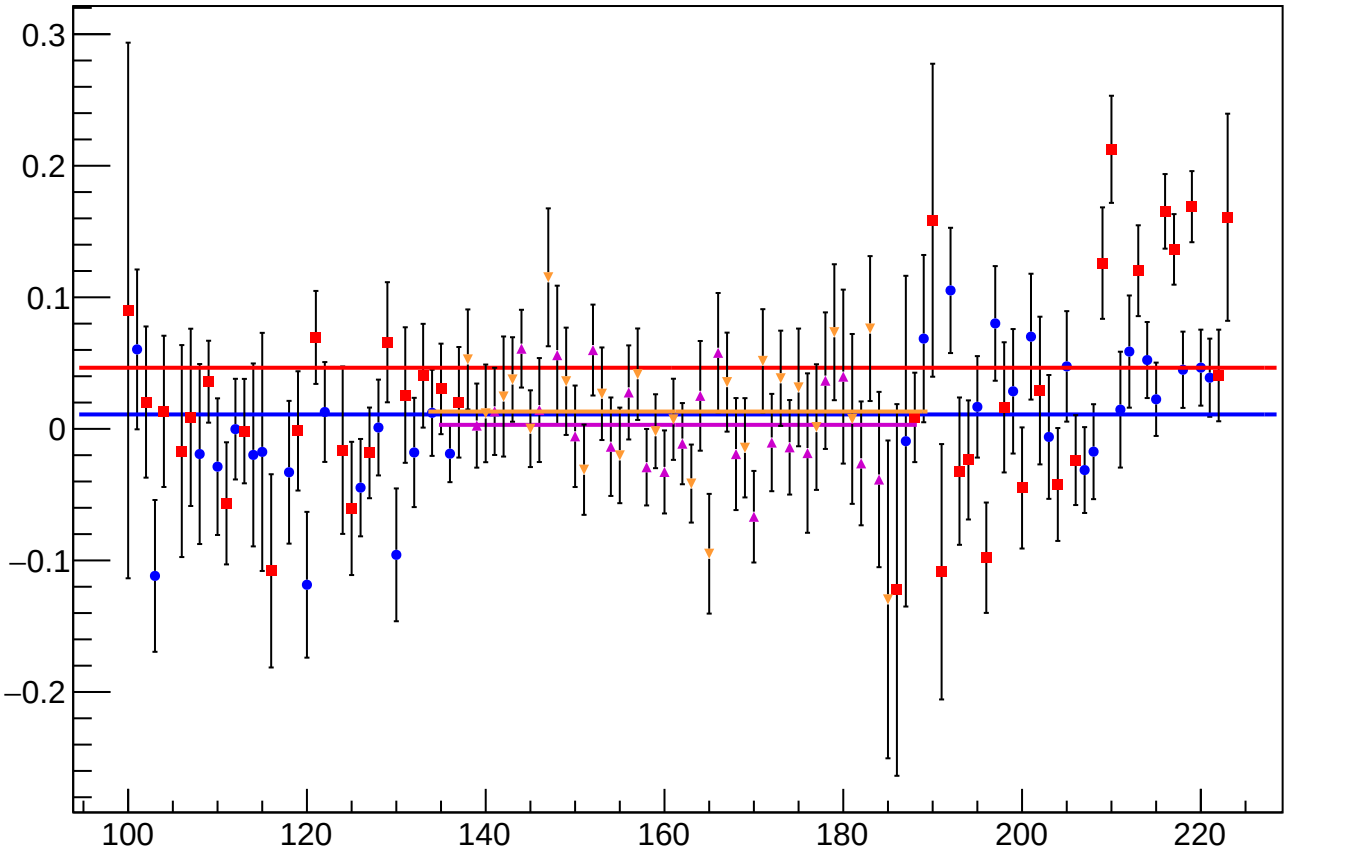
Right Out: 31.451+/-0.005 χ^2/NDF: 3088172.0/38

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.584+/-0.004 χ^2/NDF: 4188620.4/58

All: 31.888+/-0.003 χ^2/NDF: 8569110.0/120

\- sign 32.208+/-0.004 χ^2/NDF: 4365812.8/61



Right In: 0.011+/-0.007 χ^2/NDF: 41.1/33

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

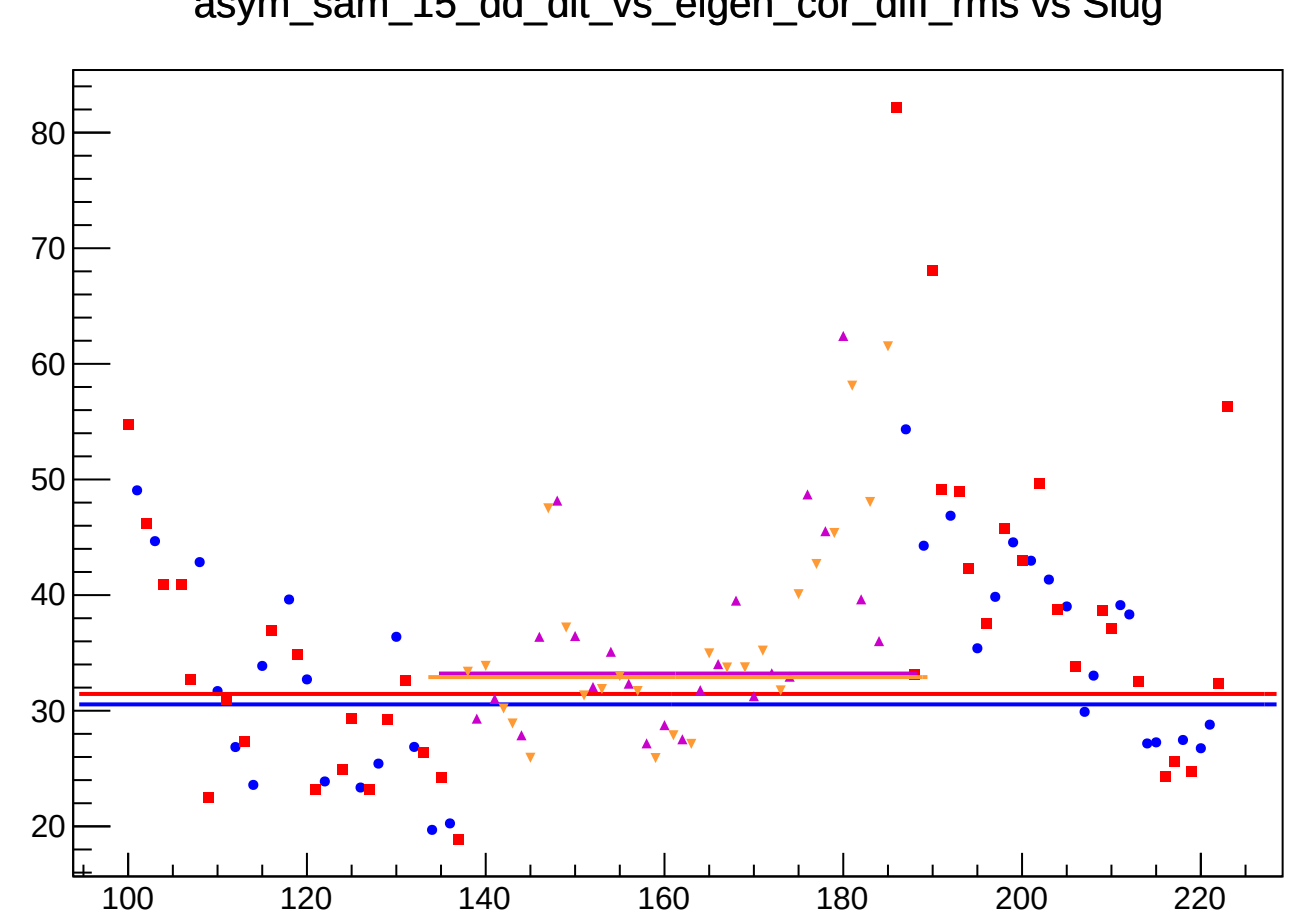
Right Out: 0.046+/-0.007 χ^2/NDF: 135.4/38

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.012+/-0.005 χ^2/NDF: 66.5/58

All: 0.020+/-0.004 χ^2/NDF: 242.8/120

\- sign 0.028+/-0.005 χ^2/NDF: 171.6/61



Right In: 30.549+/-0.005 χ^2/NDF: 2654805.9/33

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

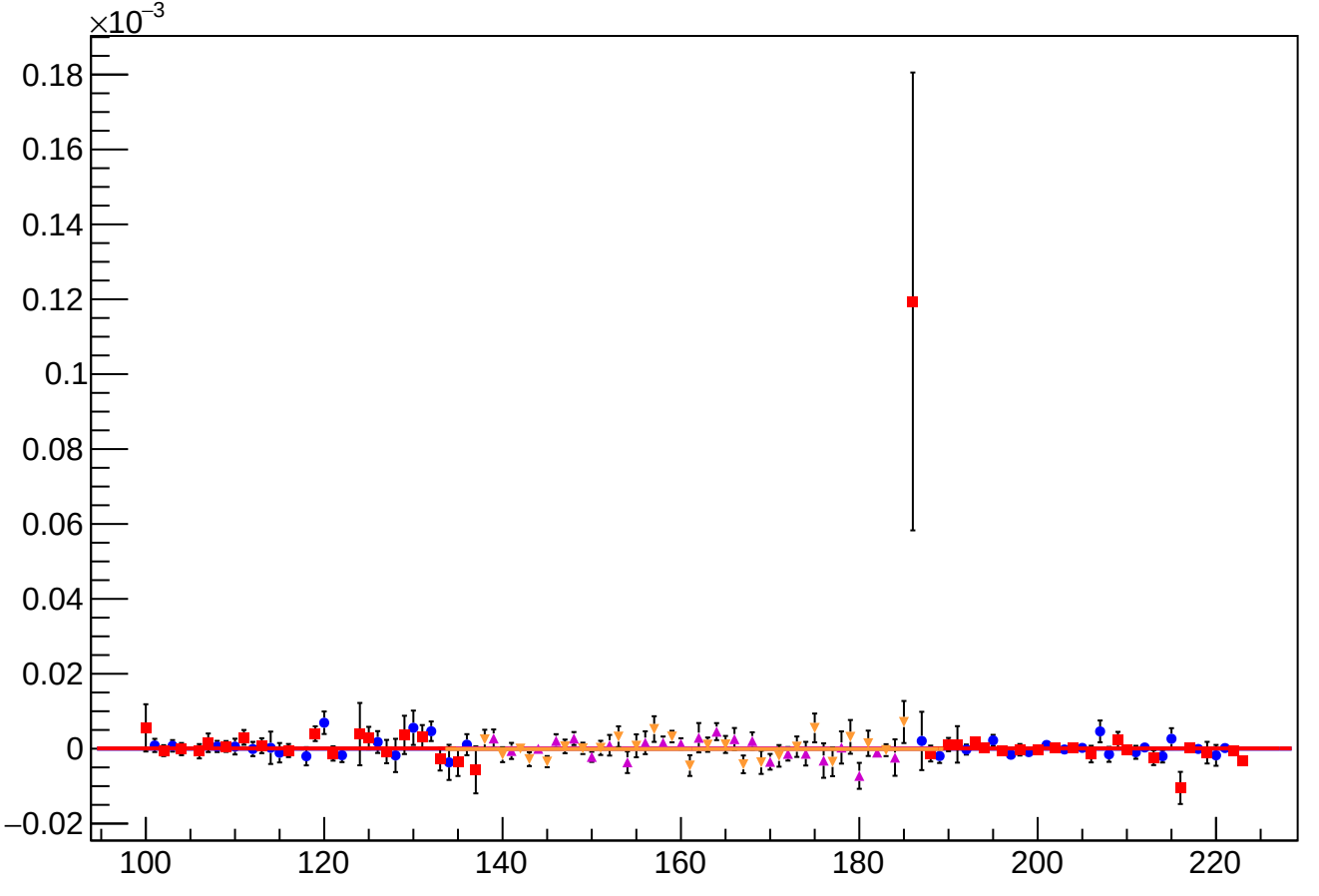
Right Out: 31.451+/-0.005 χ^2/NDF: 3088172.0/38

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.584+/-0.004 χ^2/NDF: 4188620.4/58

All: 31.888+/-0.003 χ^2/NDF: 8569110.0/120

- sign 32.208+/-0.004 χ^2/NDF: 4365812.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

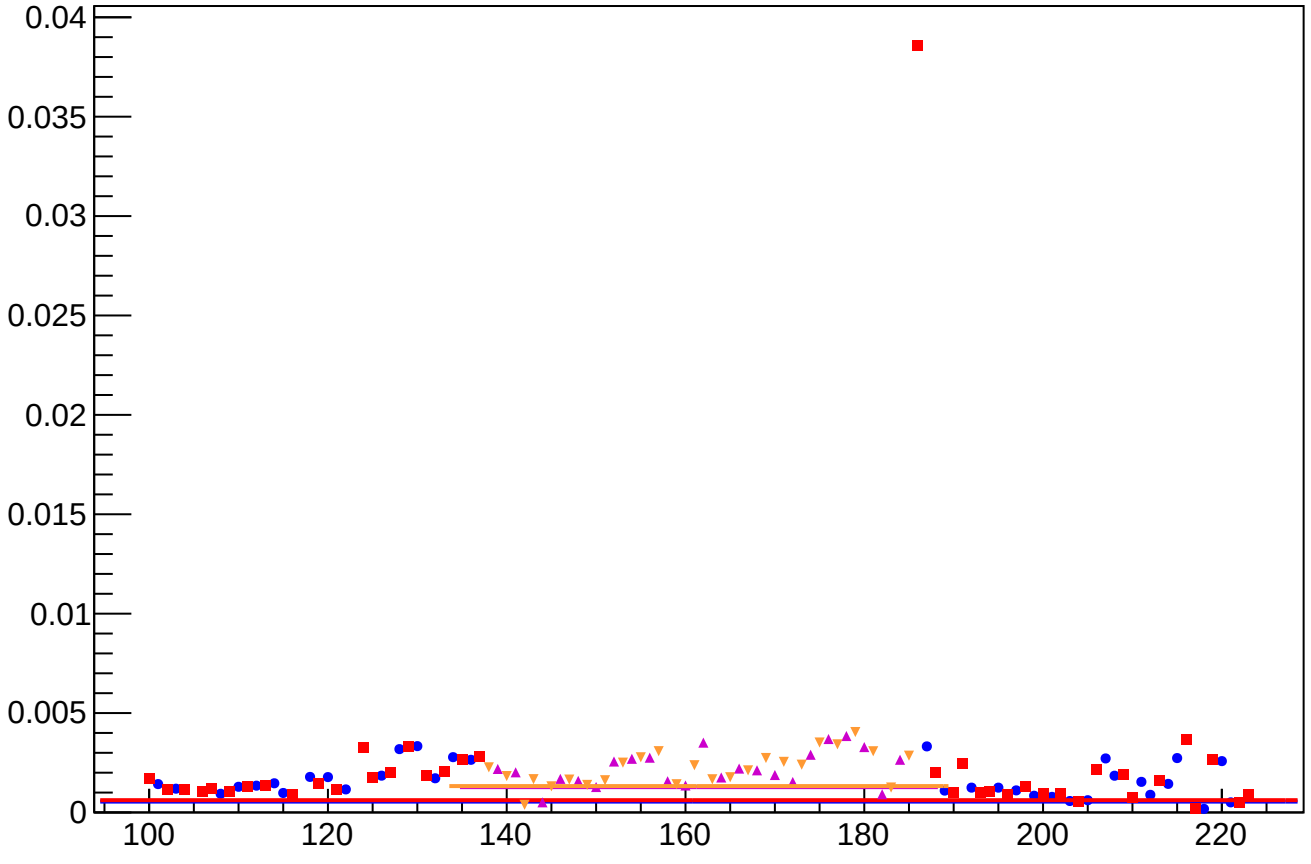
Right Out: 0.000+/-0.000 χ^2/NDF: 39.3/38

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/58

All: 0.000+/-0.000 χ^2/NDF: 125.4/120

- sign 0.000+/-0.000 χ^2/NDF: 66.4/61



Right In: 0.001+/-0.000 χ^2/NDF: 19386187.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

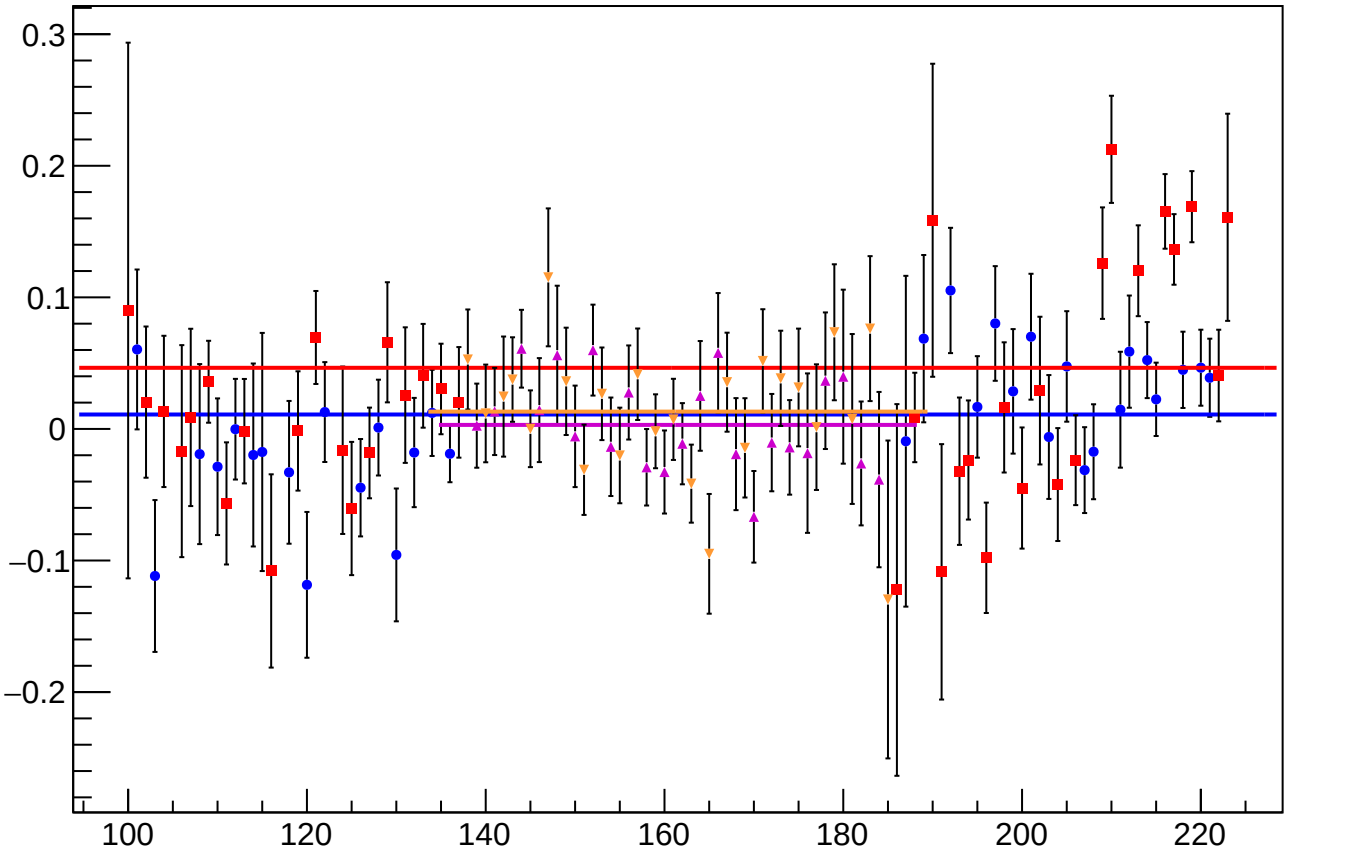
Right Out: 0.001+/-0.000 χ^2/NDF: 18402745.4/38

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 38011621.1/58

All: 0.001+/-0.000 χ^2/NDF: 71941418.6/120

- sign 0.001+/-0.000 χ^2/NDF: 33747714.1/61



Right In: 0.011+/-0.007 χ^2/NDF: 41.1/33

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

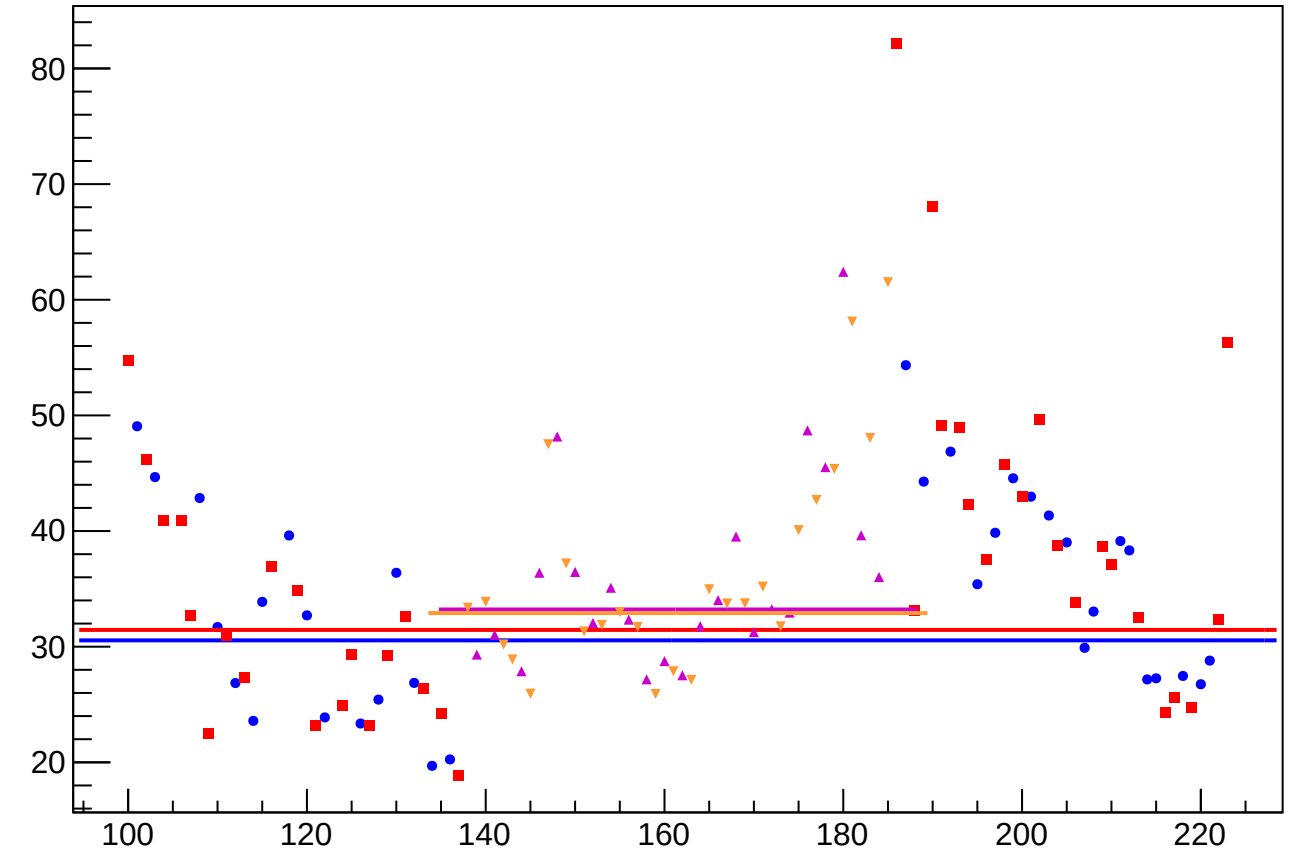
Right Out: 0.046+/-0.007 χ^2/NDF: 135.4/38

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.012+/-0.005 χ^2/NDF: 66.5/58

All: 0.020+/-0.004 χ^2/NDF: 242.8/120

\- sign 0.028+/-0.005 χ^2/NDF: 171.6/61



Right In: 30.548+/-0.005 χ^2/NDF: 2654996.1/33

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

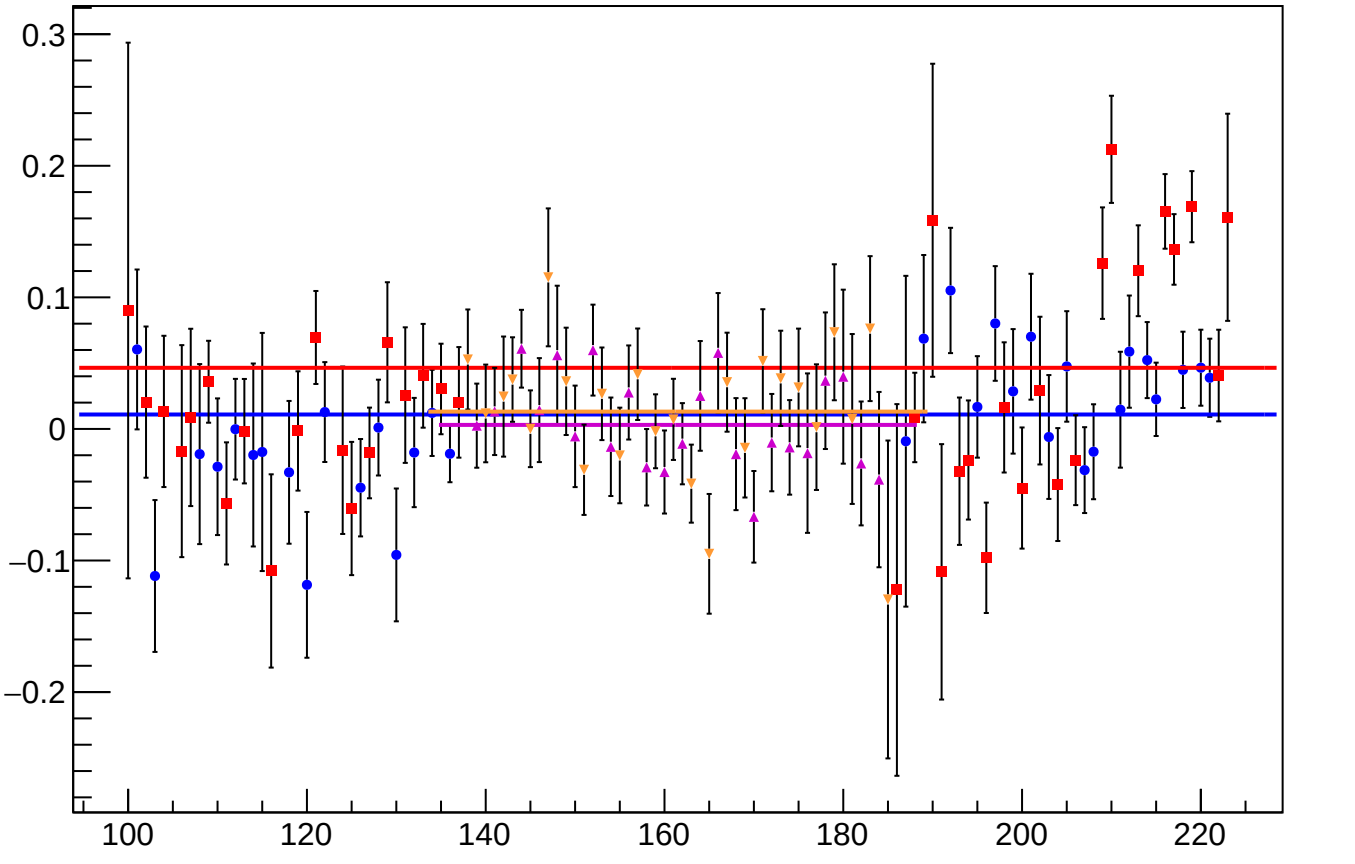
Right Out: 31.450+/-0.005 χ^2/NDF: 3088520.8/38

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.583+/-0.004 χ^2/NDF: 4188937.0/58

All: 31.887+/-0.003 χ^2/NDF: 8569905.5/120

- sign 32.207+/-0.004 χ^2/NDF: 4366298.6/61



Right In: 0.011+/-0.007 χ^2/NDF: 41.1/33

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

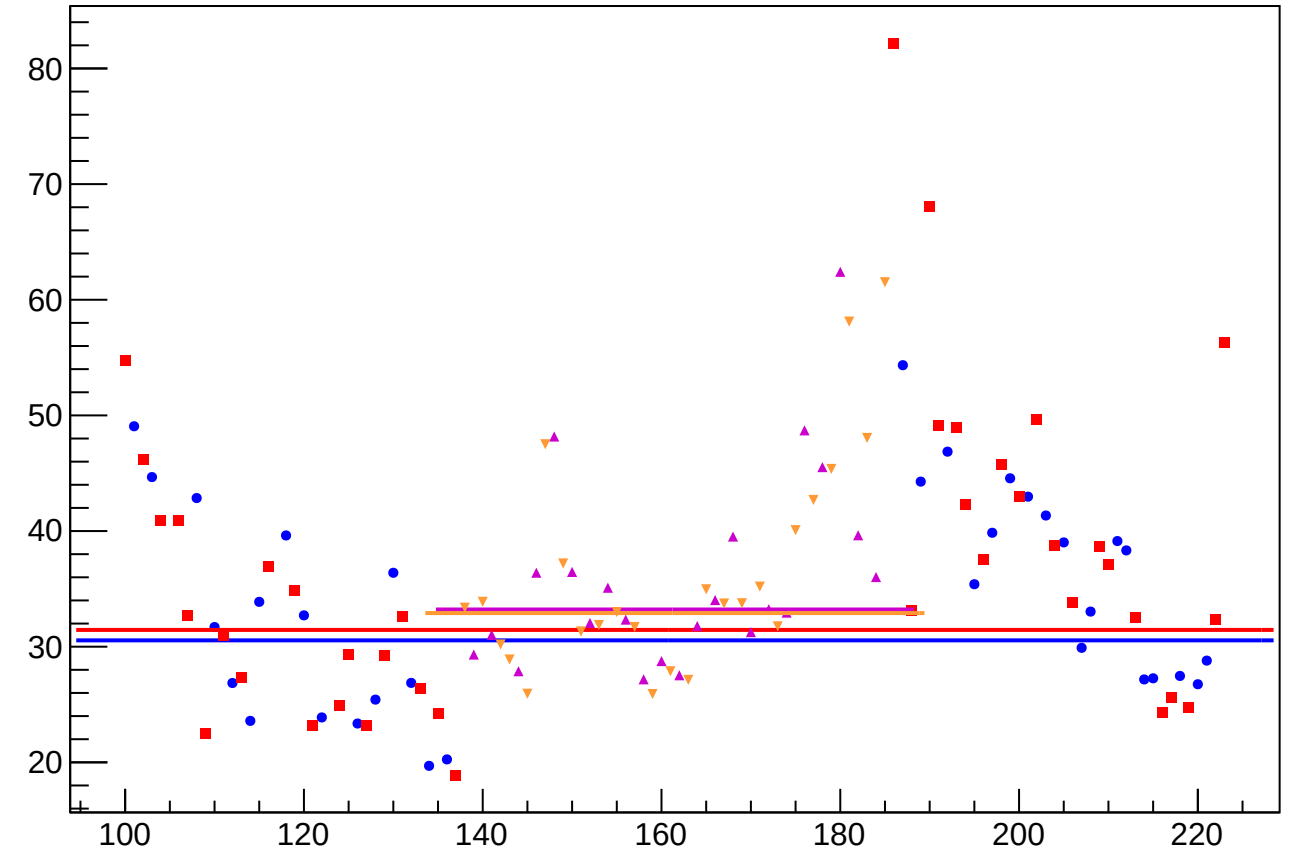
Right Out: 0.046+/-0.007 χ^2/NDF: 135.4/38

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.012+/-0.005 χ^2/NDF: 66.5/58

All: 0.020+/-0.004 χ^2/NDF: 242.8/120

- sign 0.028+/-0.005 χ^2/NDF: 171.6/61



Right In: 30.548+/-0.005 χ^2/NDF: 2654996.1/33

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

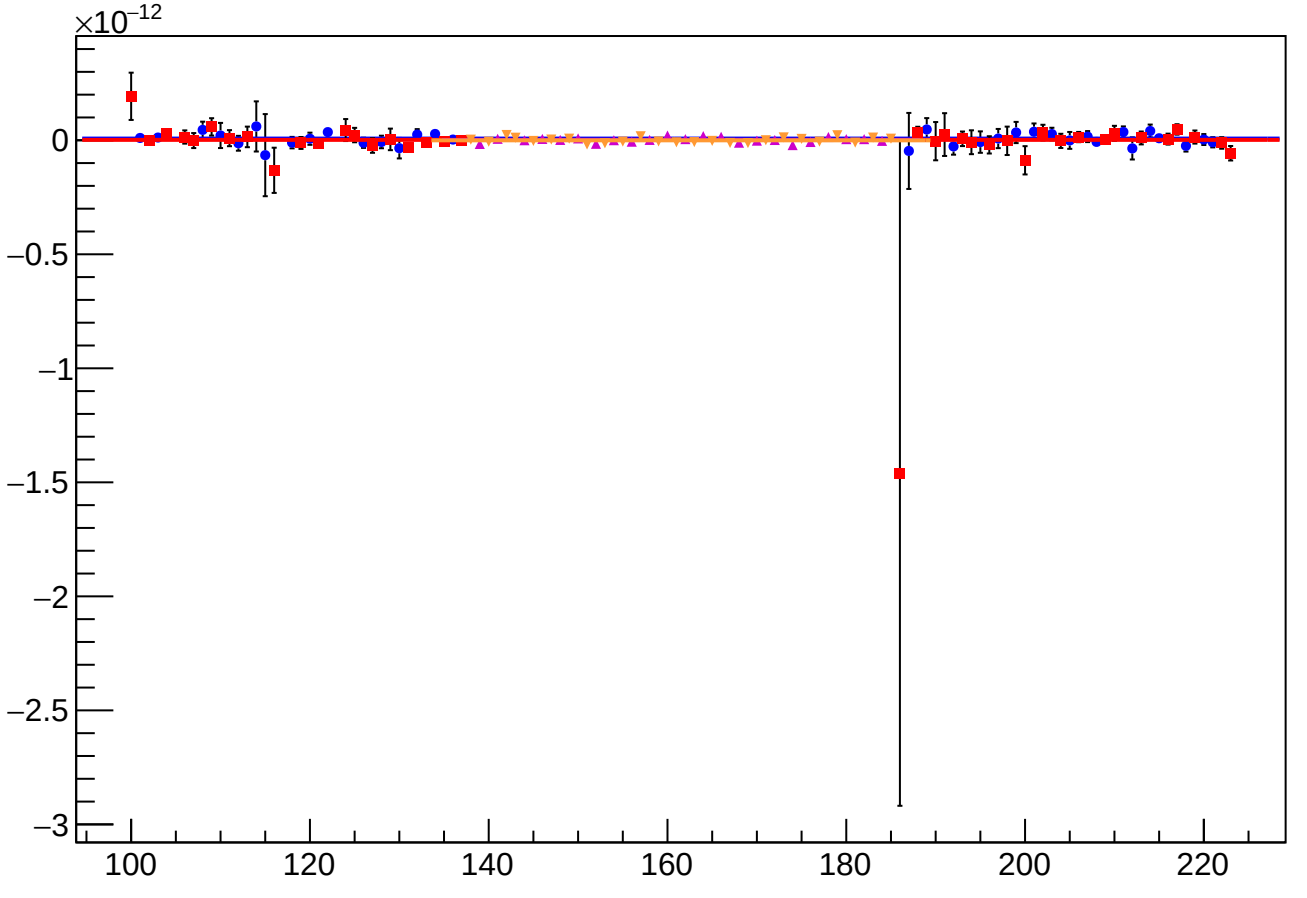
Right Out: 31.450+/-0.005 χ^2/NDF: 3088520.8/38

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.583+/-0.004 χ^2/NDF: 4188937.0/58

All: 31.887+/-0.003 χ^2/NDF: 8569905.5/120

- sign 32.207+/-0.004 χ^2/NDF: 4366298.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

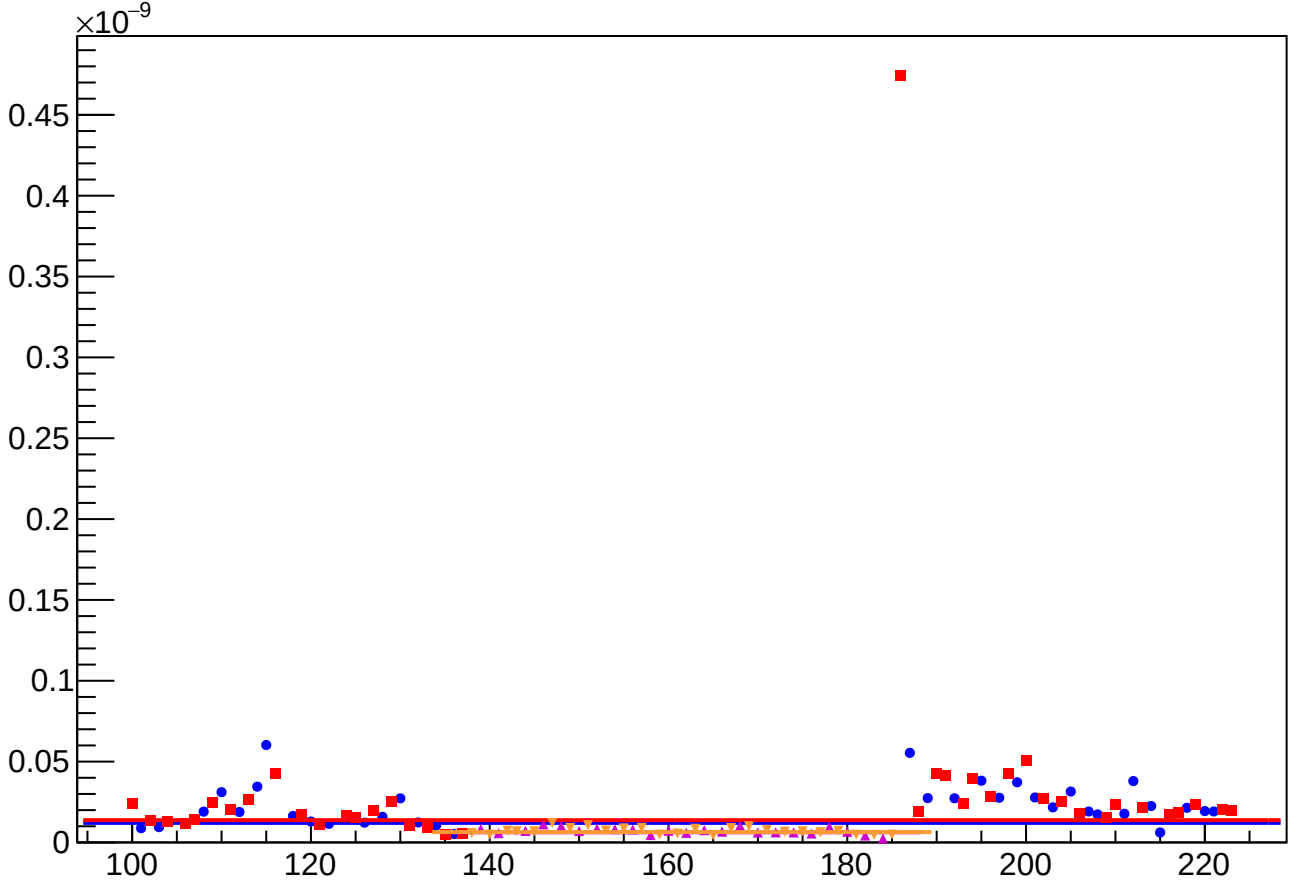
Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/38

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.4/58

All: 0.000+/-0.000 χ^2/NDF: 108.2/120

- sign 0.000+/-0.000 χ^2/NDF: 55.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 9021233.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8225161.9/38

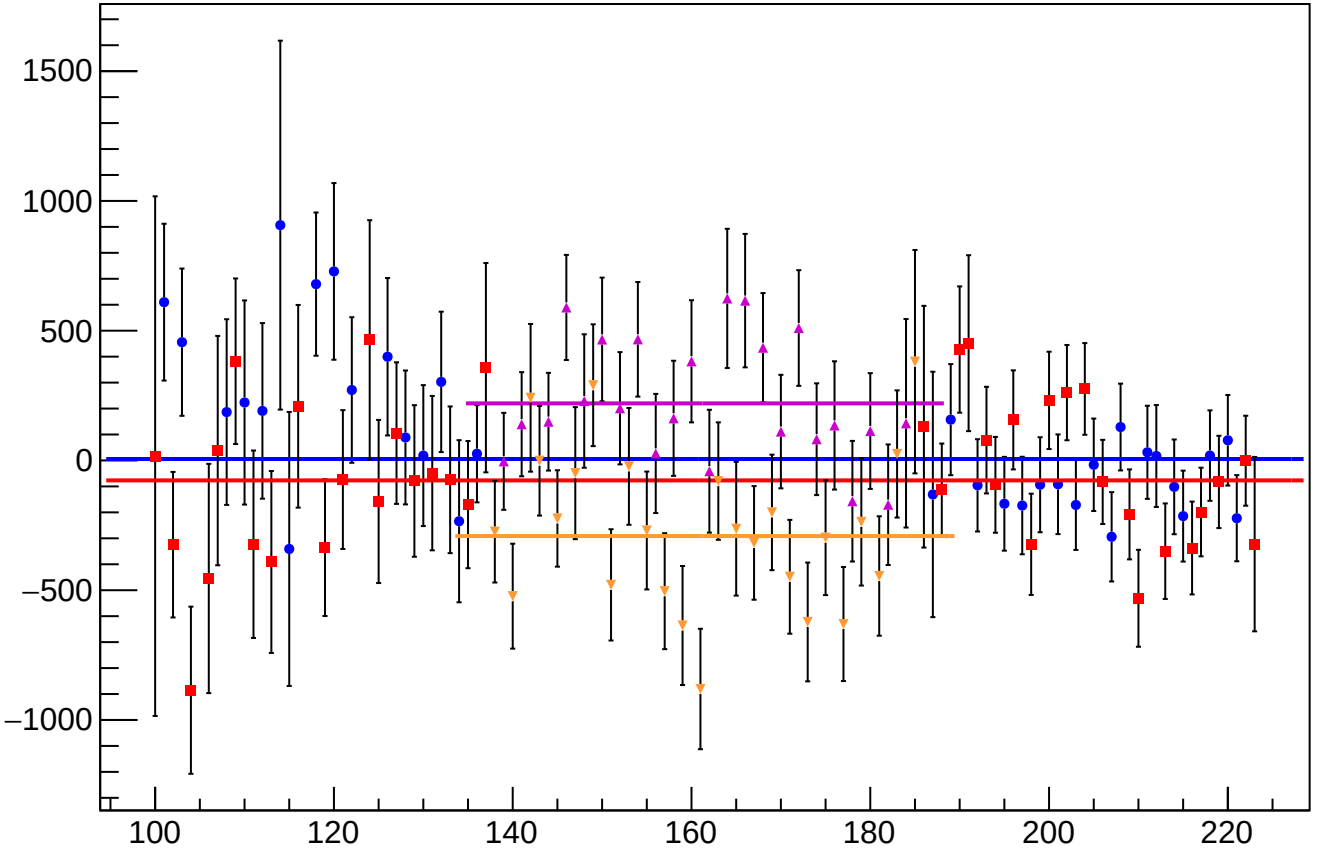
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 14678588.6/58

All: 0.000+/-0.000 χ^2/NDF: 30671532.7/120

- sign 0.000+/-0.000 χ^2/NDF: 15986771.7/61

reg_asym_sam_26_dd_mean vs Slug



Right In: 5.615+/-37.578 χ^2/NDF: 36.3/33

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -76.822+/-37.567 χ^2/NDF: 48.7/38

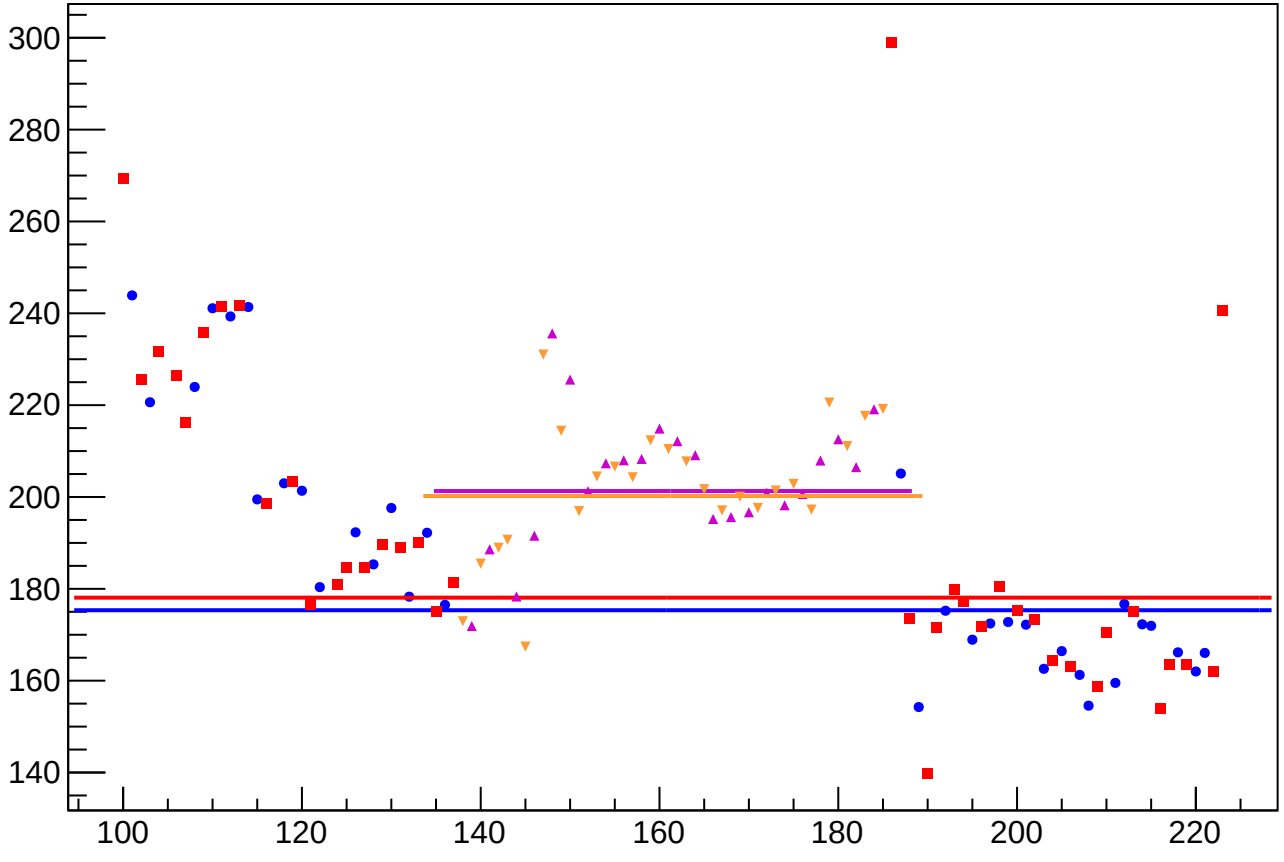
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -114.432+/-29.003 χ^2/NDF: 97.9/58

All: -38.984+/-20.640 χ^2/NDF: 208.3/120

- sign 38.438+/-29.380 χ^2/NDF: 96.7/61

reg_asym_sam_26_dd_rms vs Slug



Right In: 175.339+/-0.027 χ^2/NDF: 532879.8/33

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 178.078+/-0.027 χ^2/NDF: 798054.8/38

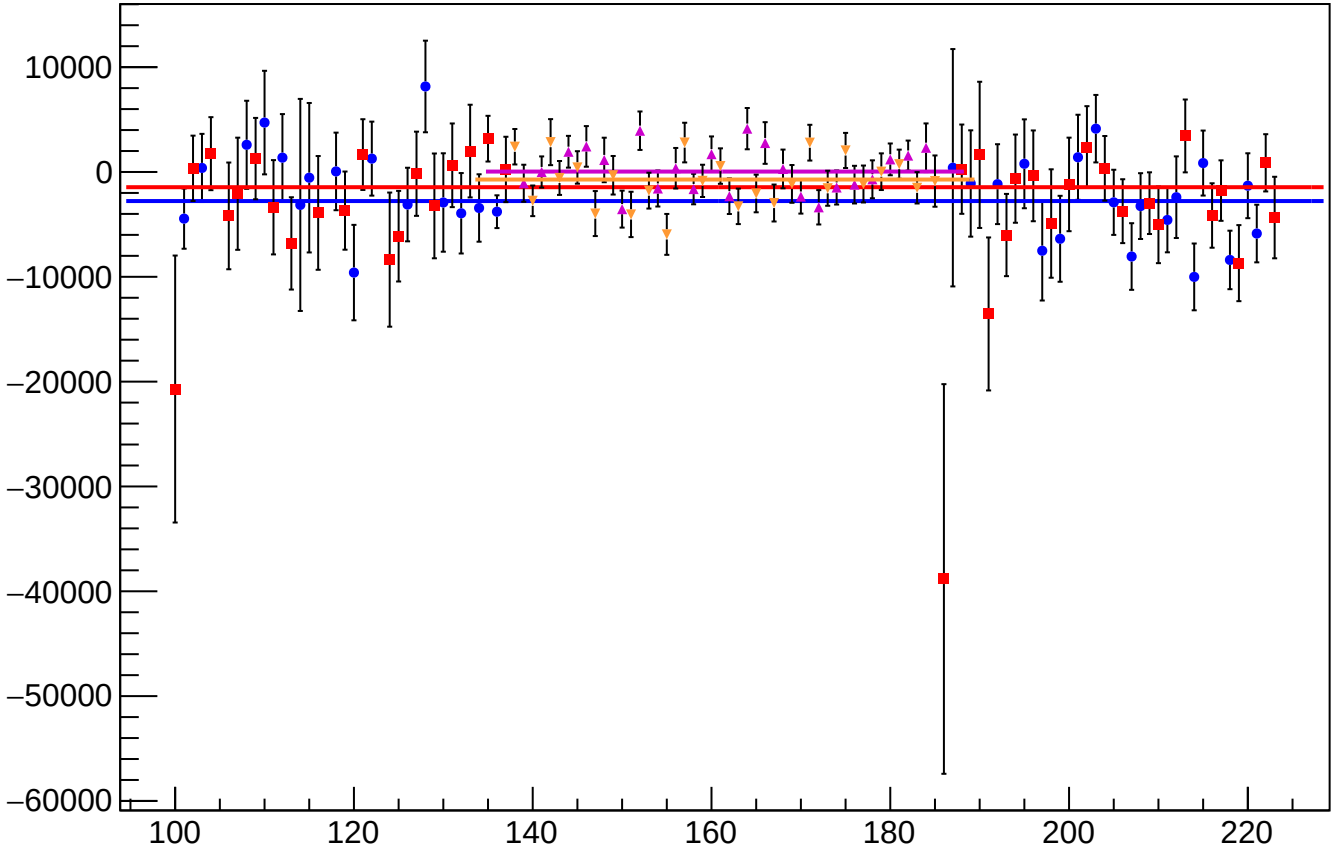
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 185.394+/-0.021 χ^2/NDF: 1091467.9/58

All: 186.234+/-0.015 χ^2/NDF: 2371286.4/120

- sign 187.095+/-0.021 χ^2/NDF: 1276423.9/61

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2773.534+/-594.453 χ^2/NDF: 41.0/33

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1451.278+/-614.650 χ^2/NDF: 35.8/38

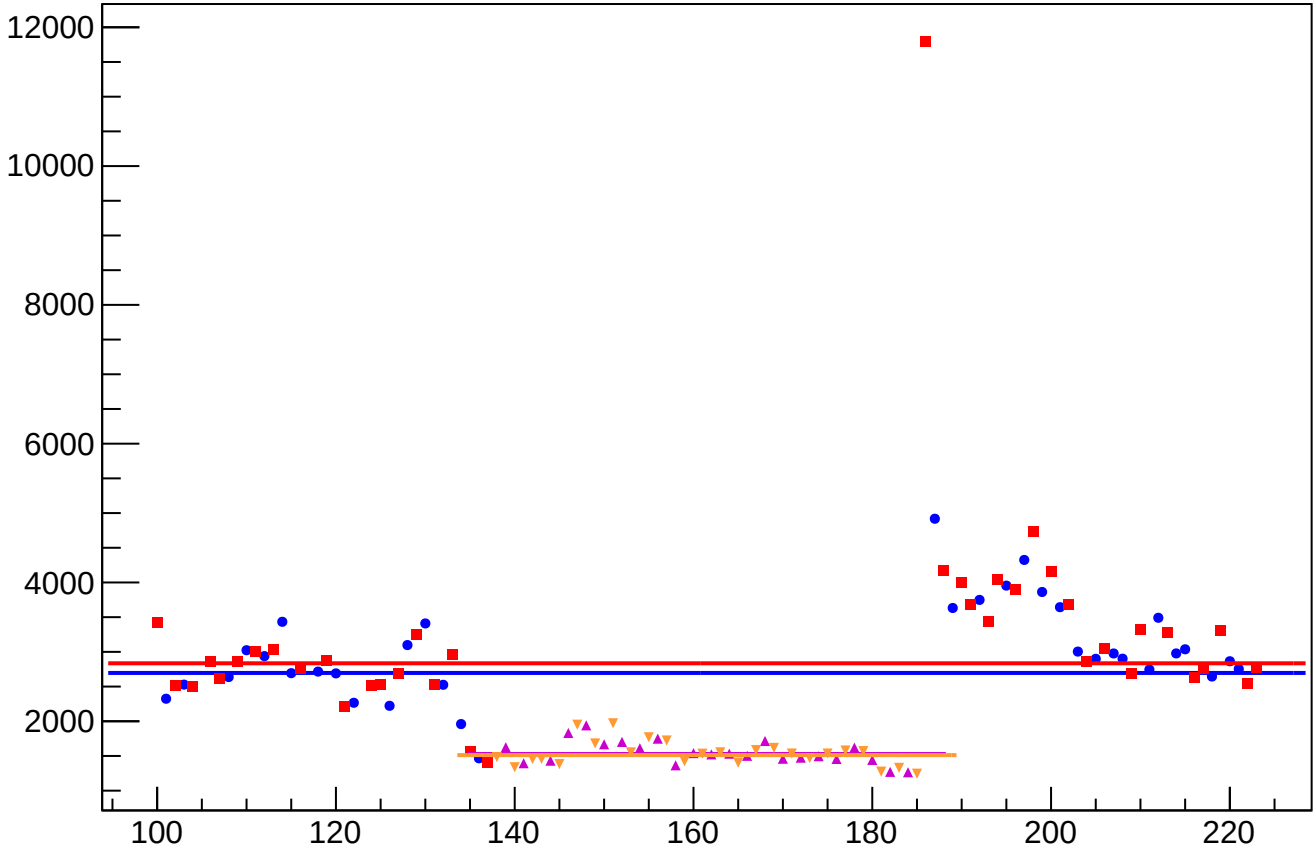
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -1241.015+/-299.277 χ^2/NDF: 88.2/58

All: -806.741+/-215.368 χ^2/NDF: 167.1/120

- sign -340.287+/-310.167 χ^2/NDF: 74.6/61

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2696.351+/-0.420 χ^2/NDF: 2703443.6/33

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2835.339+/-0.435 χ^2/NDF: 3042659.6/38

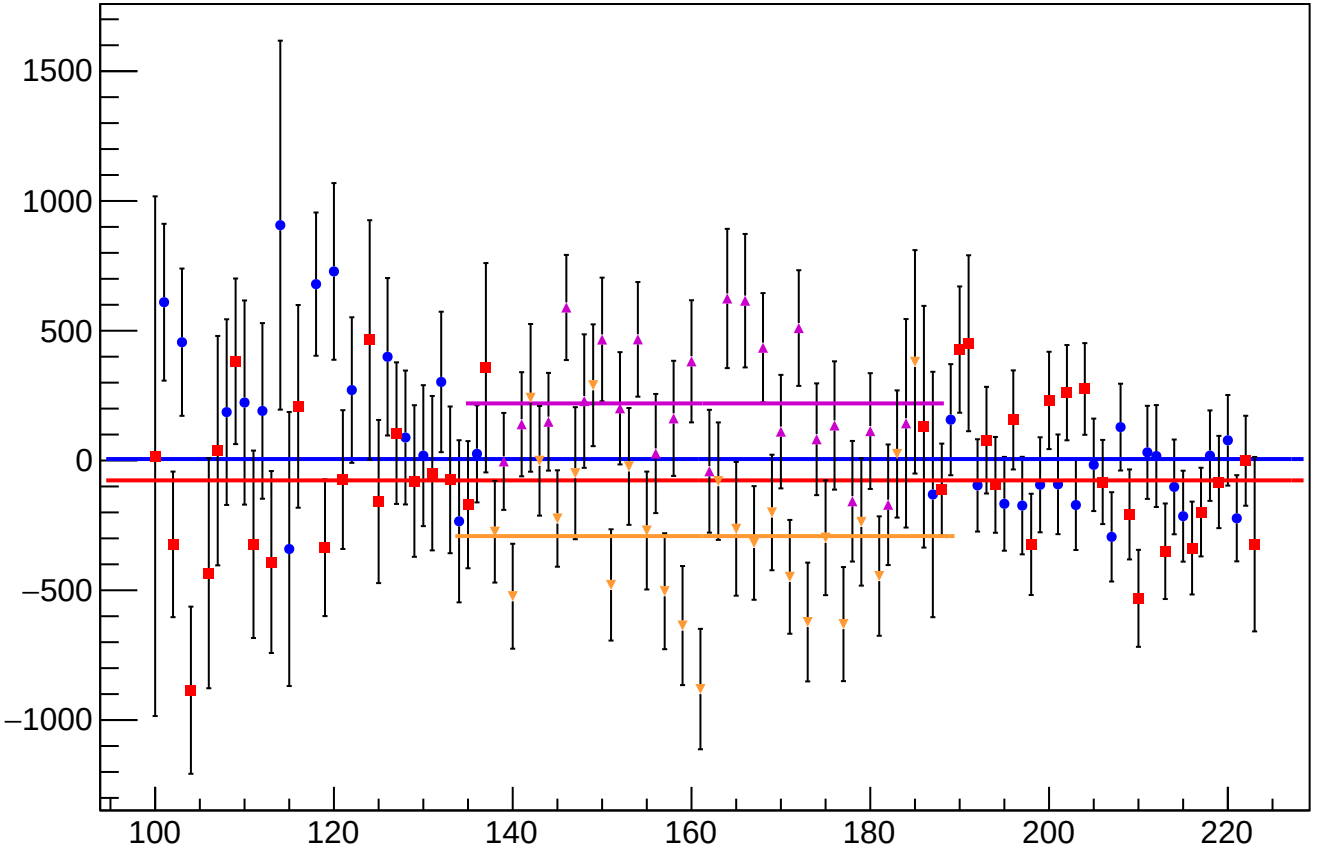
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1812.460+/-0.212 χ^2/NDF: 9068991.3/58

All: 1835.806+/-0.152 χ^2/NDF: 19255040.6/1

- sign 1860.882+/-0.219 χ^2/NDF: 10160806.7/61

cor_asym_sam_26_dd_mean vs Slug



Right In: 5.606+/-37.578 χ^2/NDF: 36.3/33

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -76.609+/-37.568 χ^2/NDF: 48.6/38

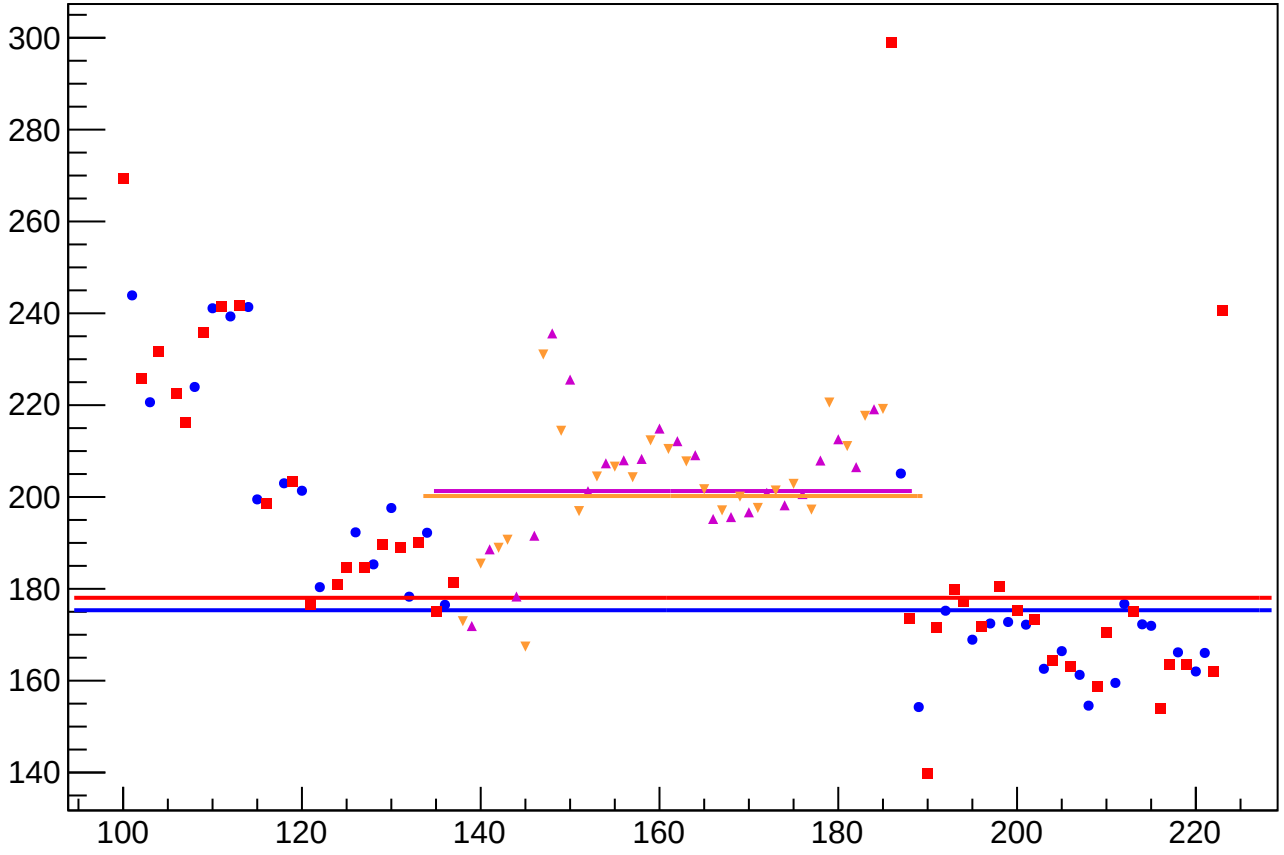
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -114.438+/-29.003 χ^2/NDF: 97.9/58

All: -38.920+/-20.641 χ^2/NDF: 208.2/120

- sign 38.577+/-29.381 χ^2/NDF: 96.5/61

cor_asym_sam_26_dd_rms vs Slug



Right In: 175.339+/-0.027 χ^2/NDF: 532880.3/33

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 178.048+/-0.027 χ^2/NDF: 794268.5/38

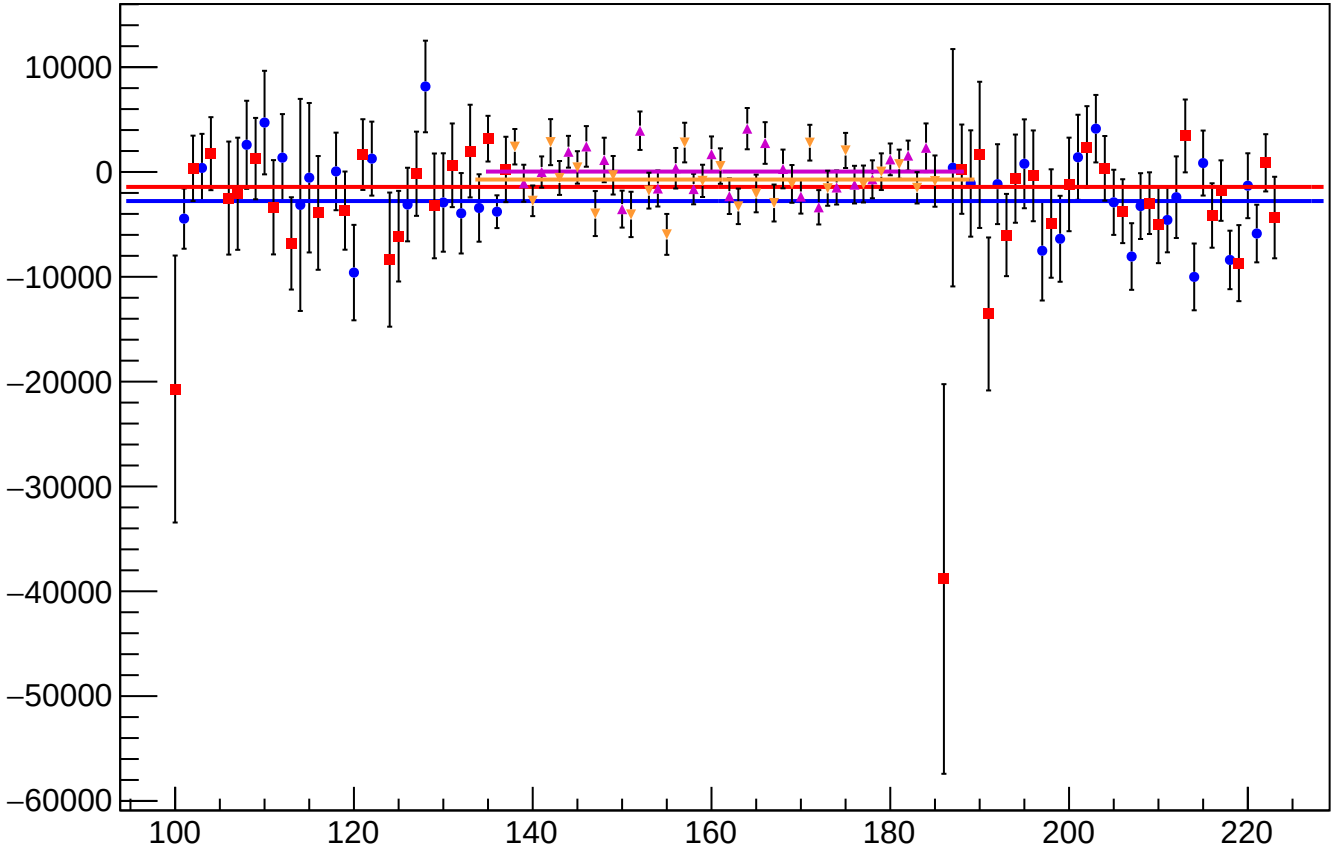
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 185.394+/-0.021 χ^2/NDF: 1091468.4/58

All: 186.225+/-0.015 χ^2/NDF: 2368198.0/120

\- sign 187.077+/-0.021 χ^2/NDF: 1273407.4/61

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2773.525+/-594.453 χ^2/NDF: 41.0/33

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1424.944+/-615.146 χ^2/NDF: 35.5/38

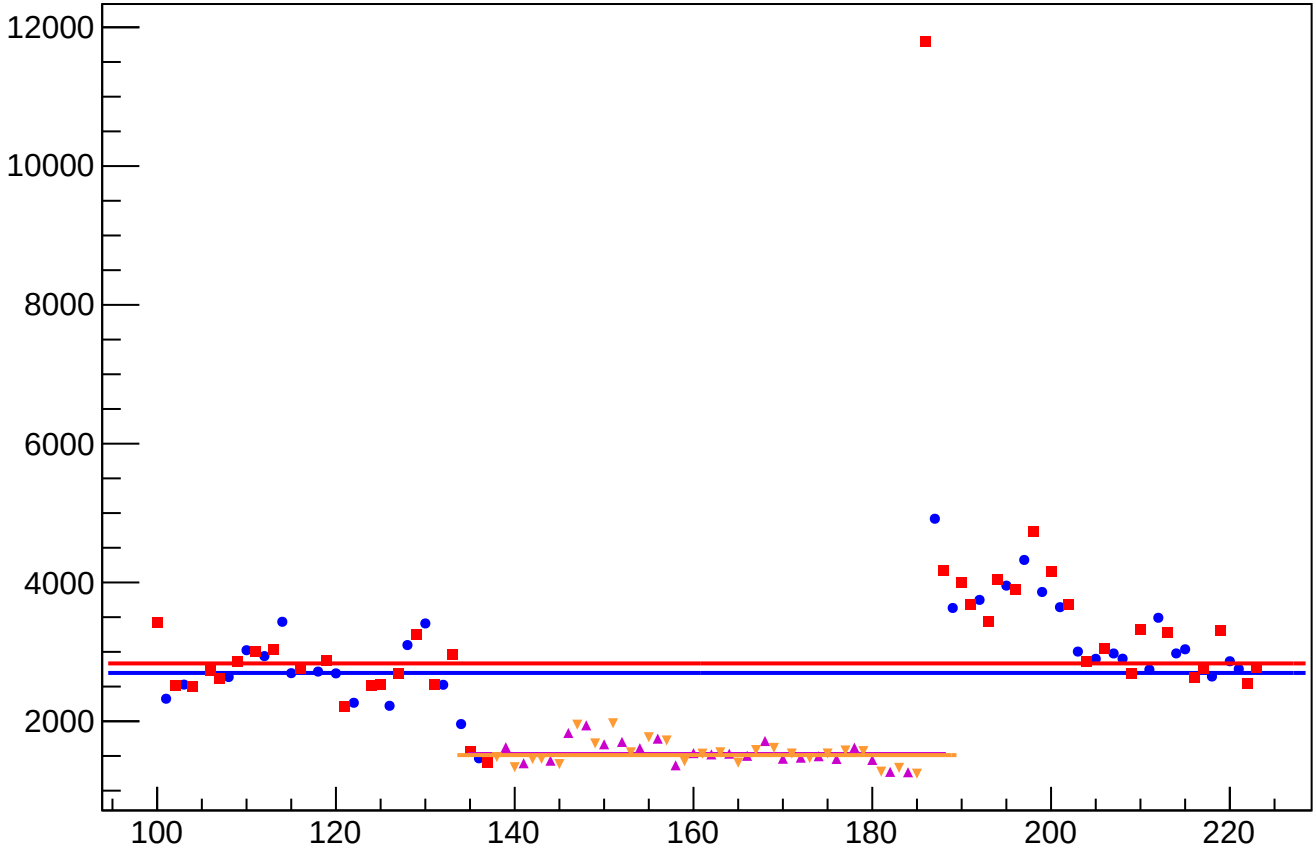
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1241.016+/-299.277 χ^2/NDF: 88.2/58

All: -803.386+/-215.389 χ^2/NDF: 166.8/120

- sign -333.134+/-310.231 χ^2/NDF: 74.2/61

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2696.354+/-0.420 χ^2/NDF: 2703435.9/33

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

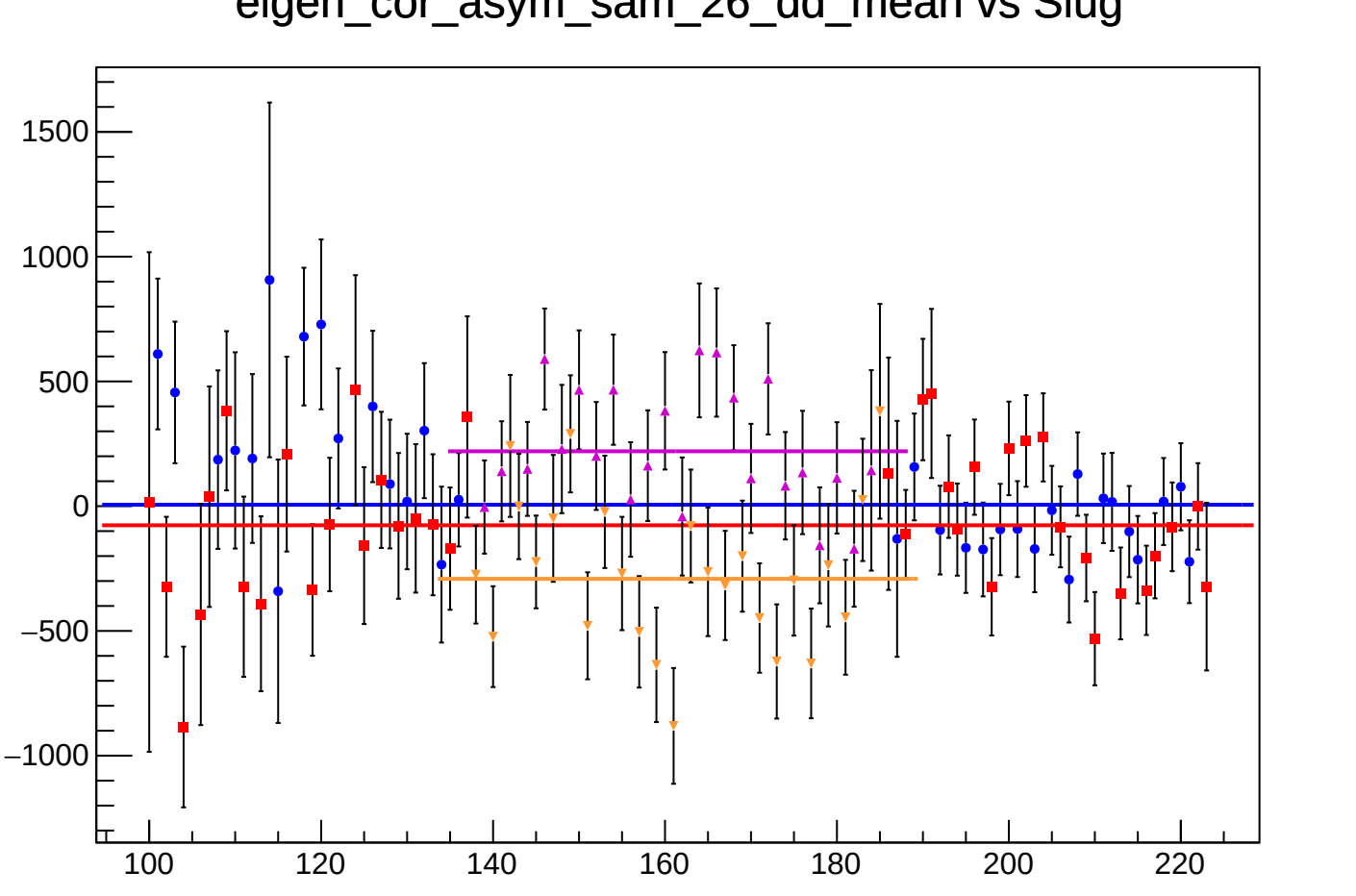
Right Out: 2833.561+/-0.435 χ^2/NDF: 3043179.8/38

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1812.460+/-0.212 χ^2/NDF: 9069001.9/58

All: 1835.390+/-0.152 χ^2/NDF: 19228260.3/1

- sign 1860.029+/-0.219 χ^2/NDF: 10134902.3/61



Right In: 5.606+/-37.578 χ^2/NDF: 36.3/33

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -76.609+/-37.568 χ^2/NDF: 48.6/38

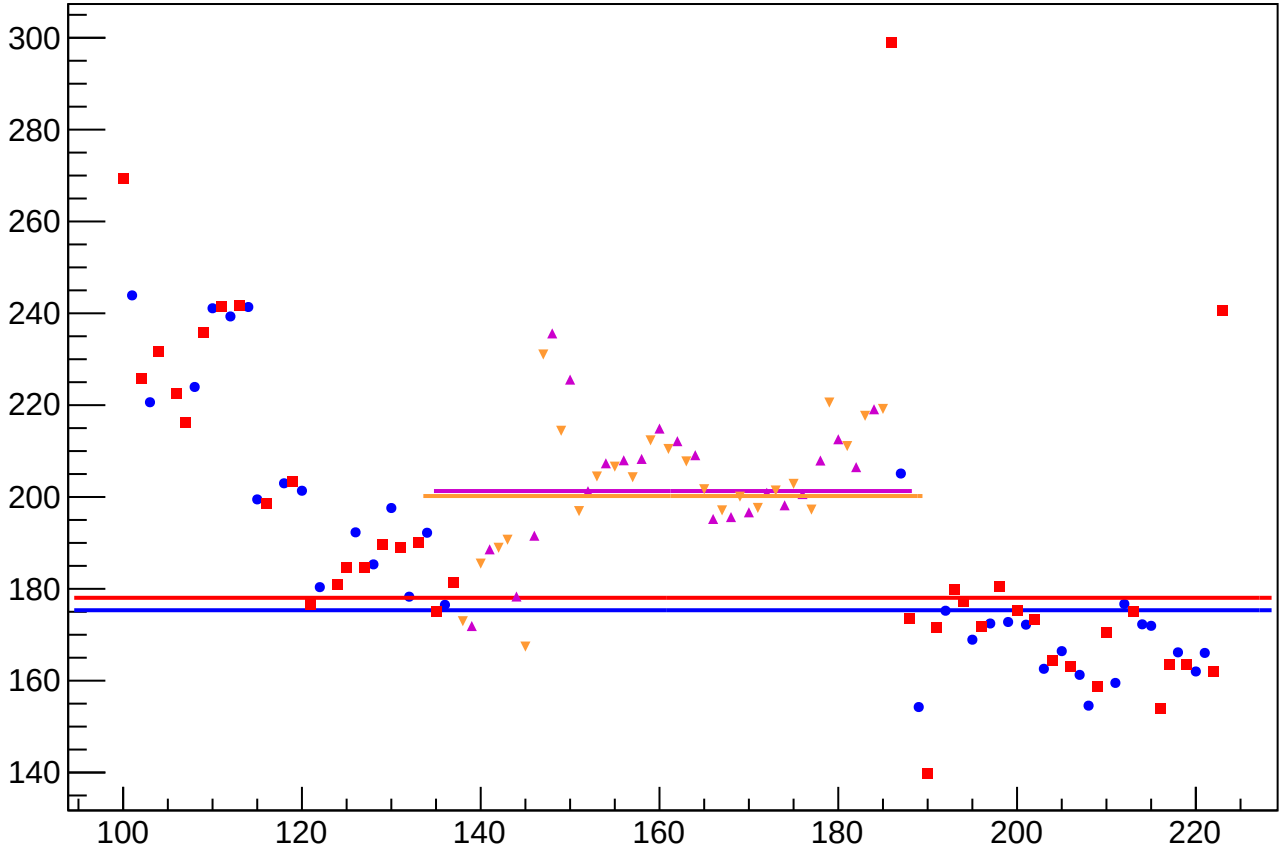
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -114.438+/-29.003 χ^2/NDF: 97.9/58

All: -38.920+/-20.641 χ^2/NDF: 208.2/120

- sign 38.577+/-29.381 χ^2/NDF: 96.5/61

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 175.339+/-0.027 χ^2/NDF: 532880.3/33

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

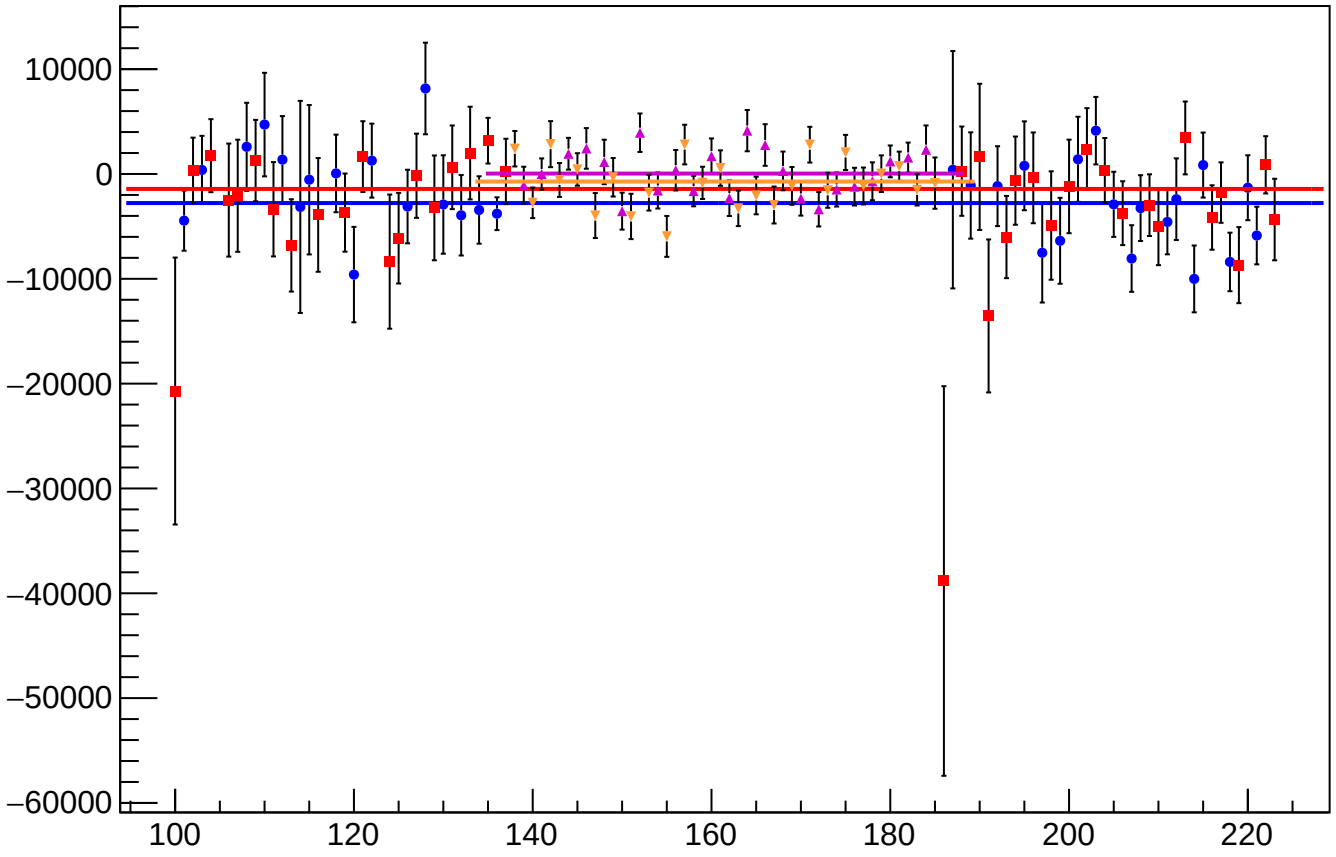
Right Out: 178.048+/-0.027 χ^2/NDF: 794268.5/38

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 185.394+/-0.021 χ^2/NDF: 1091468.4/58

All: 186.225+/-0.015 χ^2/NDF: 2368198.0/120

- sign 187.077+/-0.021 χ^2/NDF: 1273407.4/61



Right In: -2773.525+/-594.453 χ^2/NDF: 41.0/33

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1424.944+/-615.146 χ^2/NDF: 35.5/38

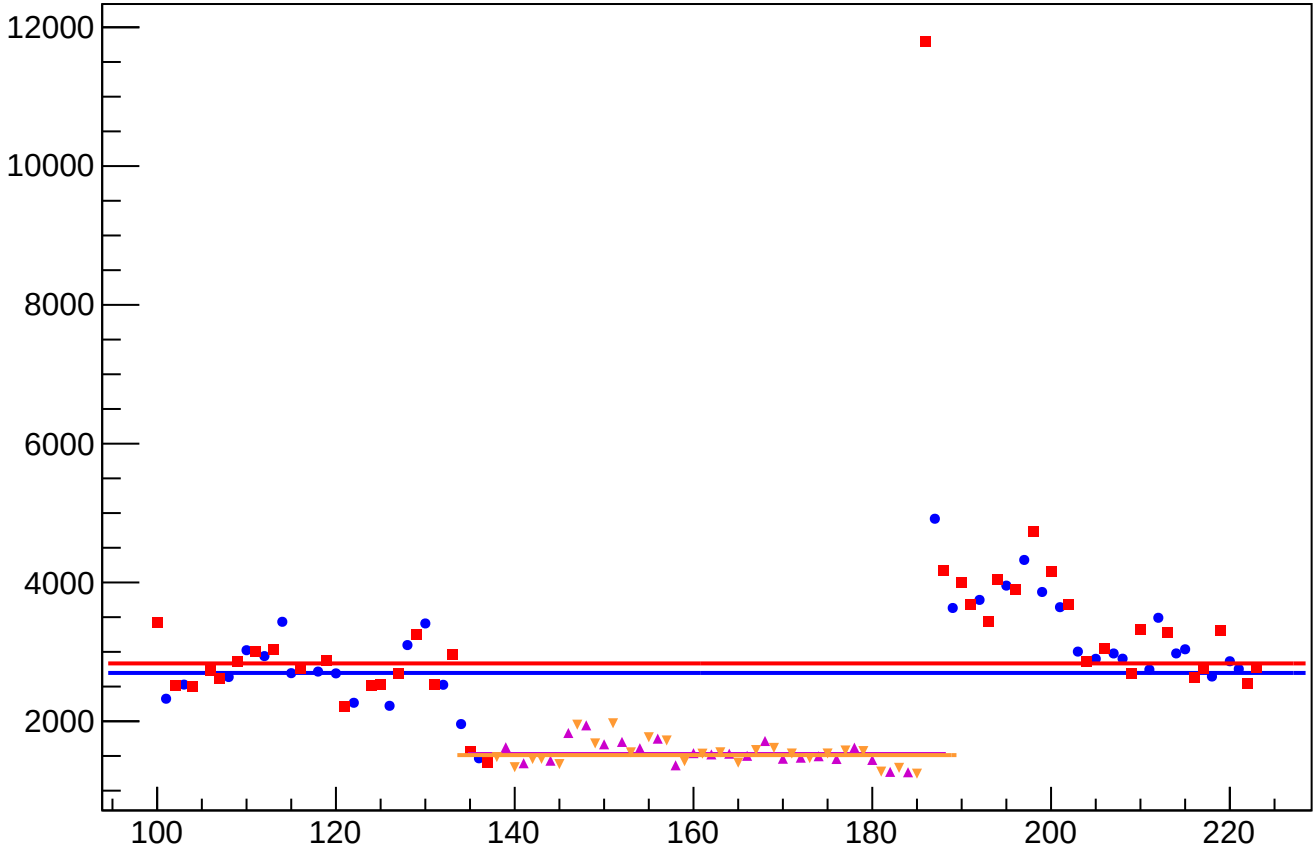
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1241.016+/-299.277 χ^2/NDF: 88.2/58

All: -803.386+/-215.389 χ^2/NDF: 166.8/120

- sign -333.134+/-310.231 χ^2/NDF: 74.2/61

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2696.354+/-0.420 χ^2/NDF: 2703435.9/33

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2833.561+/-0.435 χ^2/NDF: 3043179.8/38

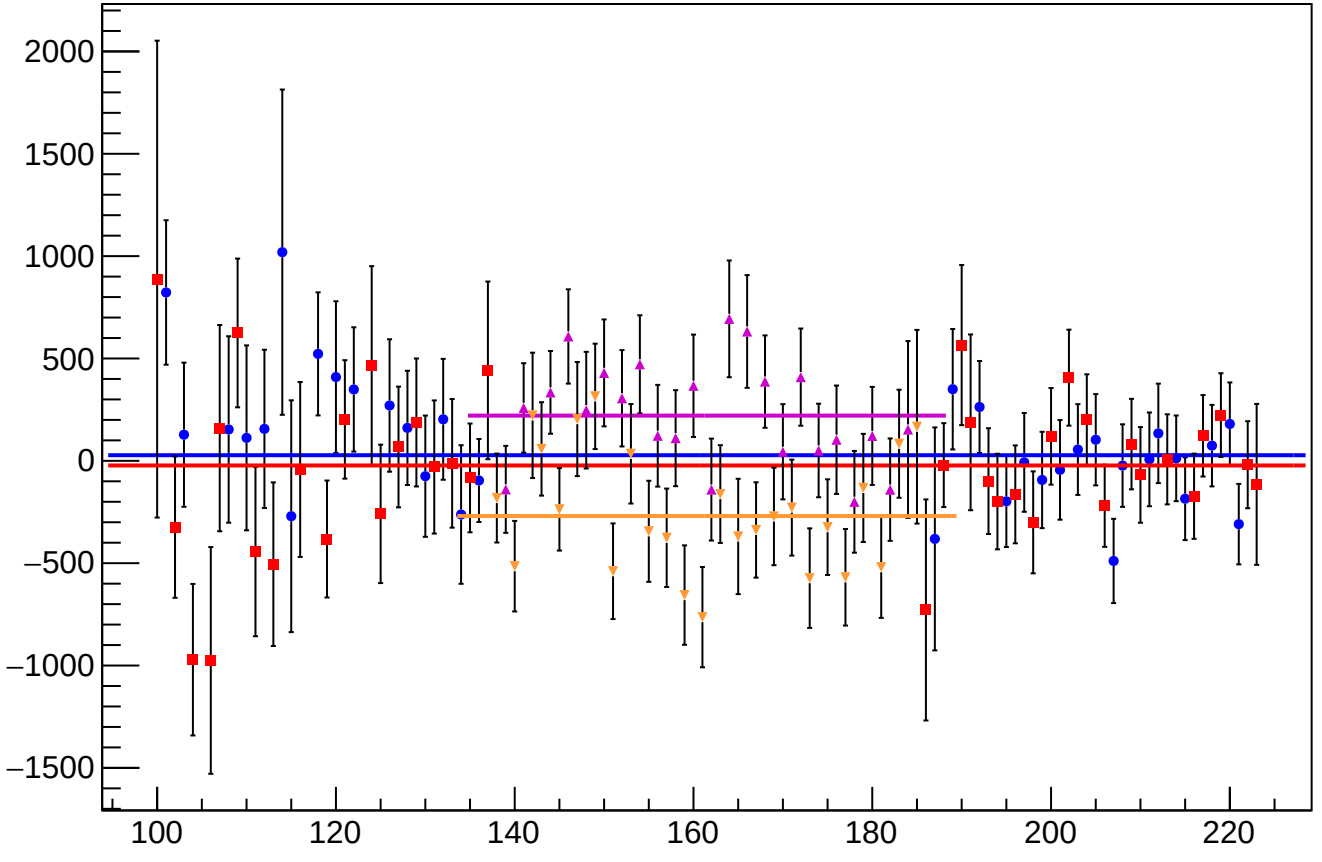
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1812.460+/-0.212 χ^2/NDF: 9069001.9/58

All: 1835.390+/-0.152 χ^2/NDF: 19228260.3/1

- sign 1860.029+/-0.219 χ^2/NDF: 10134902.3/61

dit_asym_sam_26_dd_mean vs Slug



Right In: 27.503+/-44.764 χ^2/NDF: 30.1/33

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -22.606+/-44.974 χ^2/NDF: 37.1/38

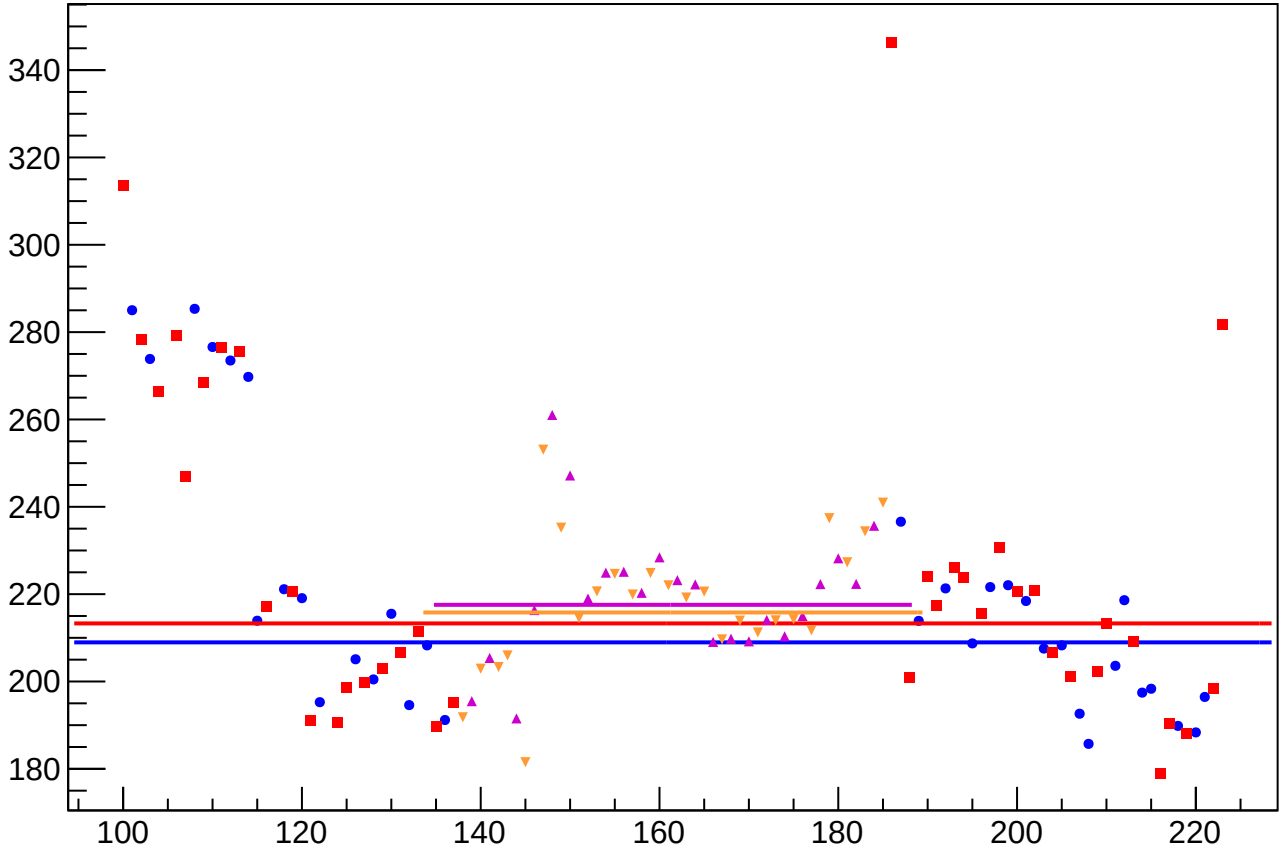
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -107.214+/-33.097 χ^2/NDF: 81.6/58

All: -13.369+/-23.620 χ^2/NDF: 171.3/120

- sign 84.033+/-33.719 χ^2/NDF: 73.3/61

dit_asym_sam_26_dd_rms vs Slug



Right In: 208.958+/-0.032 χ^2/NDF: 490407.2/33

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 213.301+/-0.032 χ^2/NDF: 702177.6/38

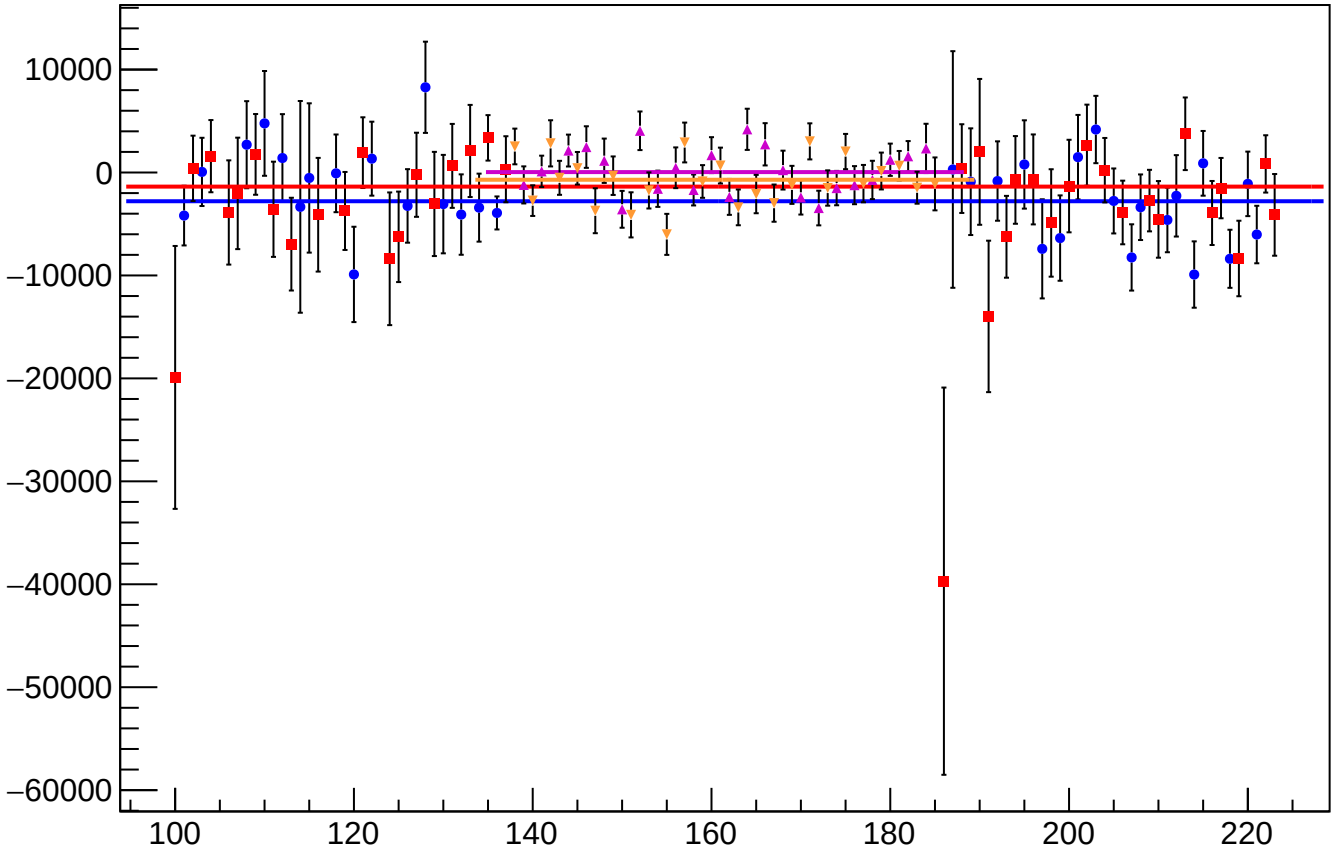
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 212.063+/-0.023 χ^2/NDF: 700326.3/58

All: 213.584+/-0.017 χ^2/NDF: 1580019.8/120

- sign 215.163+/-0.024 χ^2/NDF: 871080.4/61

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2791.211+/-604.565 χ^2/NDF: 40.6/33

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1370.054+/-623.839 χ^2/NDF: 35.6/38

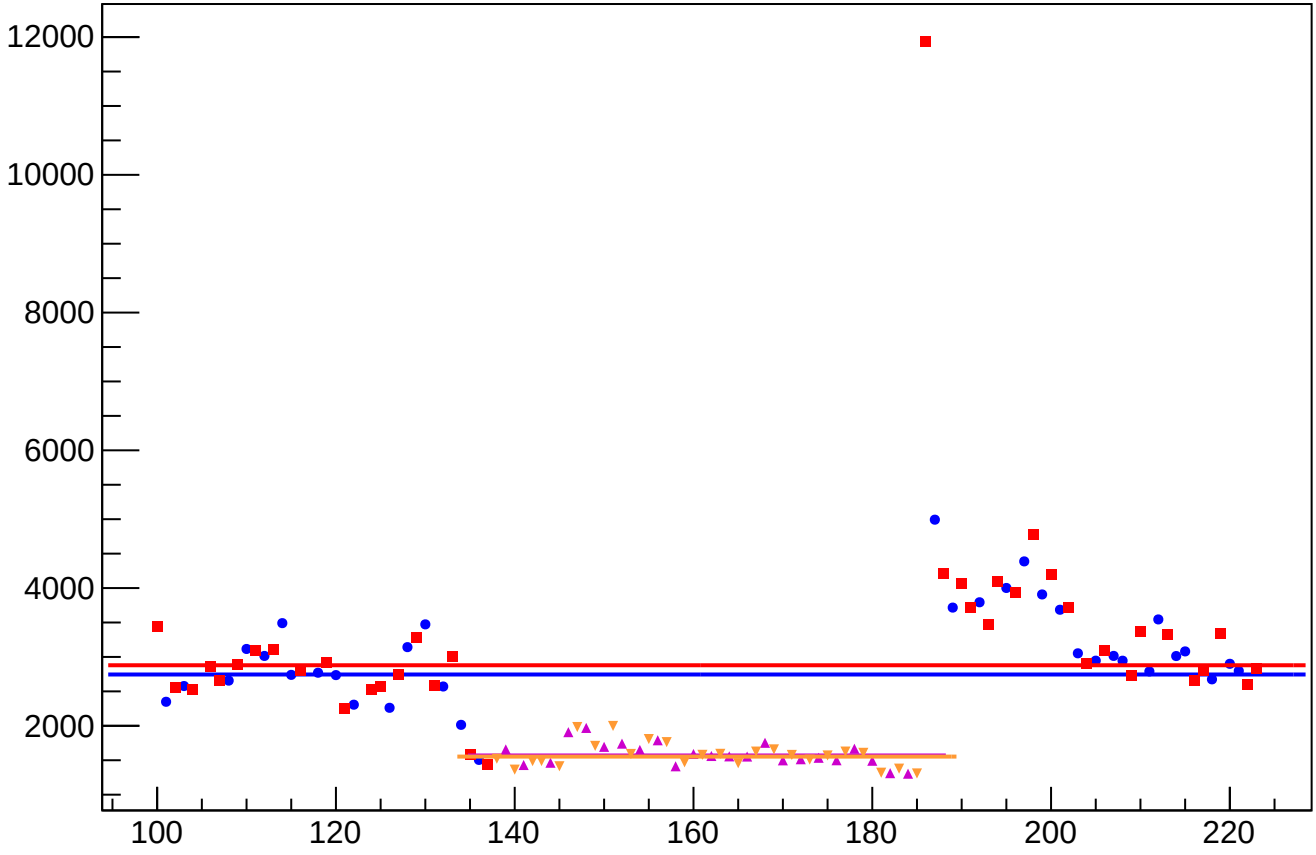
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -1240.198+/-306.421 χ^2/NDF: 87.0/58

All: -799.132+/-220.492 χ^2/NDF: 165.0/120

- sign -325.538+/-317.519 χ^2/NDF: 73.7/61

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2745.017+/-0.427 χ^2/NDF: 2633937.9/33

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2879.285+/-0.441 χ^2/NDF: 2999114.7/38

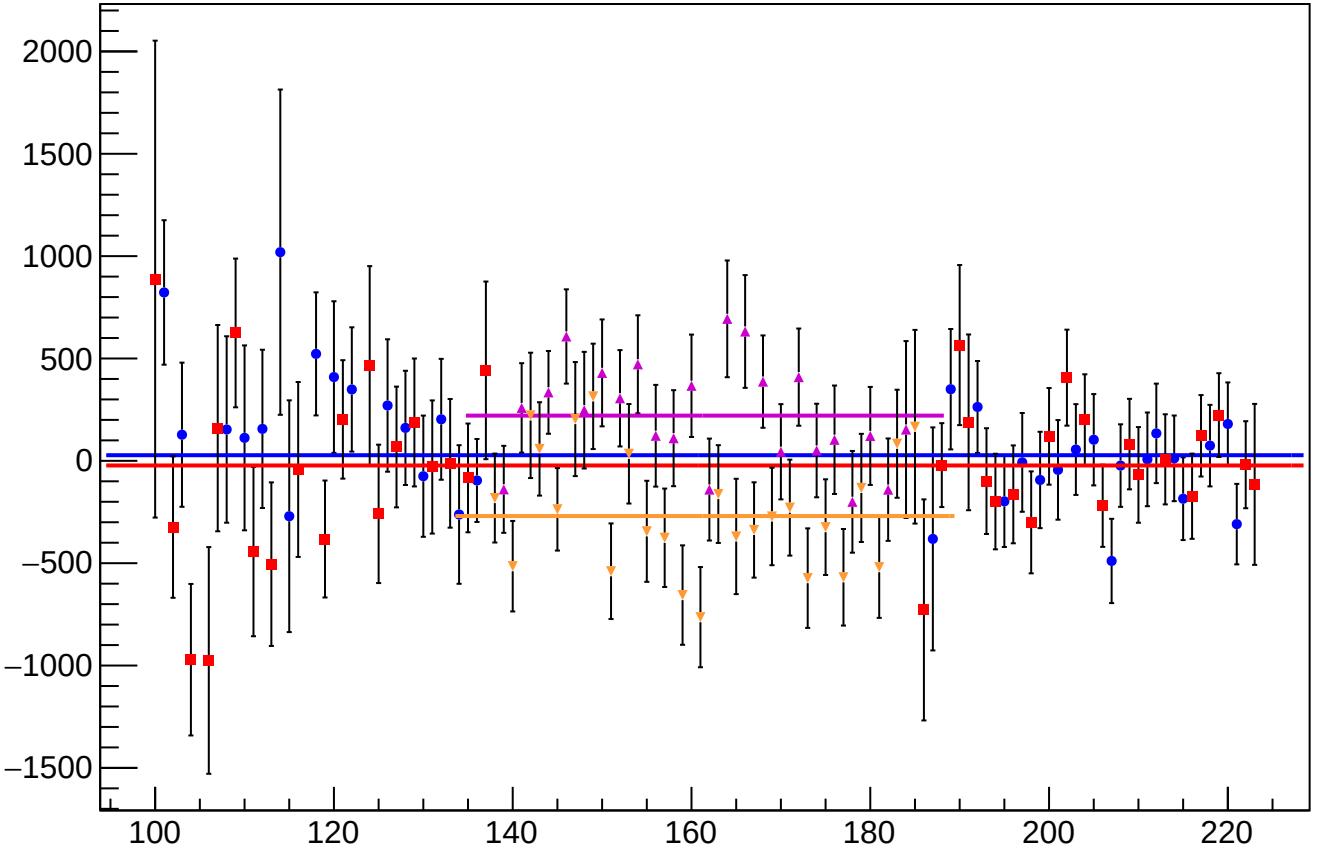
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1859.235+/-0.217 χ^2/NDF: 8821459.8/58

All: 1883.098+/-0.156 χ^2/NDF: 18736741.4/1

- sign 1908.722+/-0.225 χ^2/NDF: 9890126.3/61

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 27.508+/-44.763 χ^2/NDF: 30.1/33

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -22.604+/-44.973 χ^2/NDF: 37.1/38

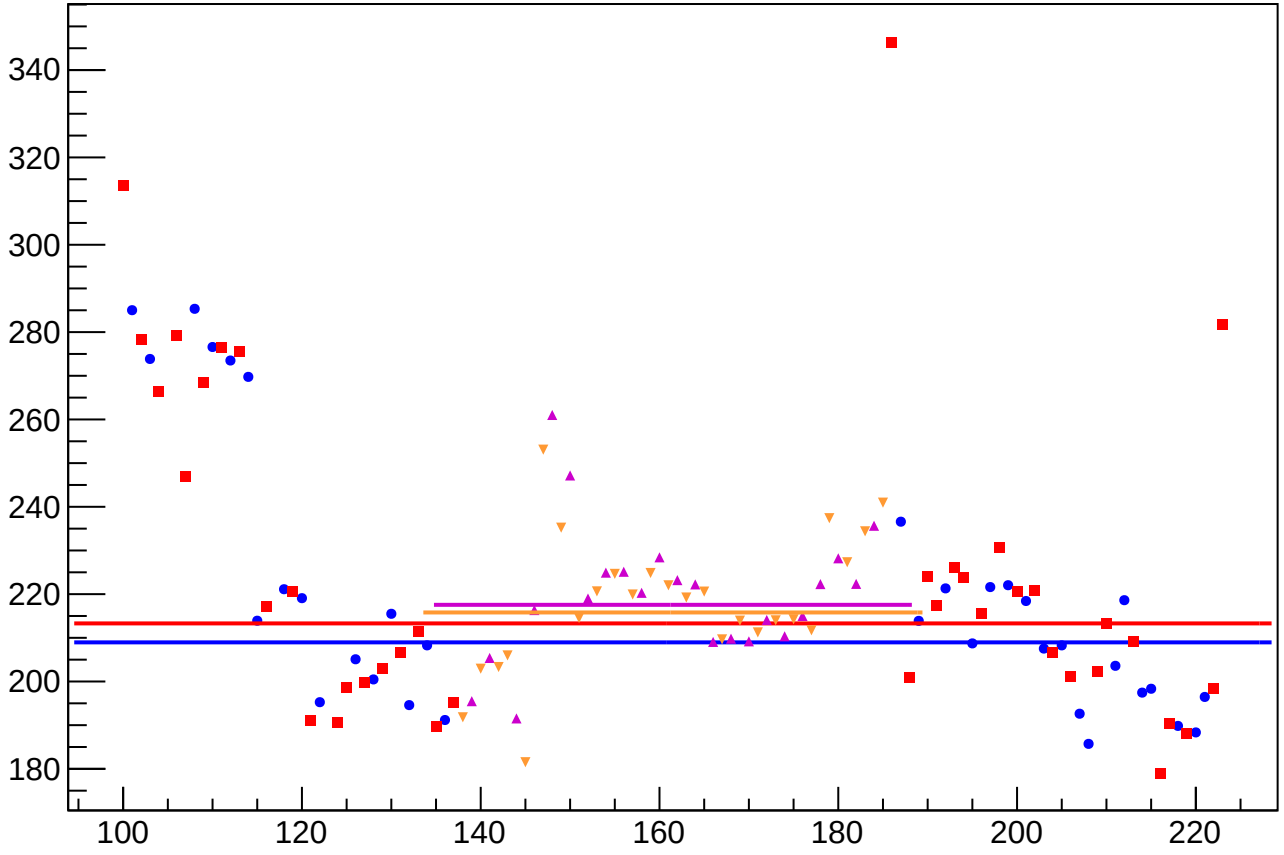
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

\+ sign -107.212+/-33.097 χ^2/NDF: 81.6/58

All: -13.368+/-23.620 χ^2/NDF: 171.3/120

\- sign 84.034+/-33.719 χ^2/NDF: 73.3/61

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 208.958+/-0.032 χ^2/NDF: 490397.7/33

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

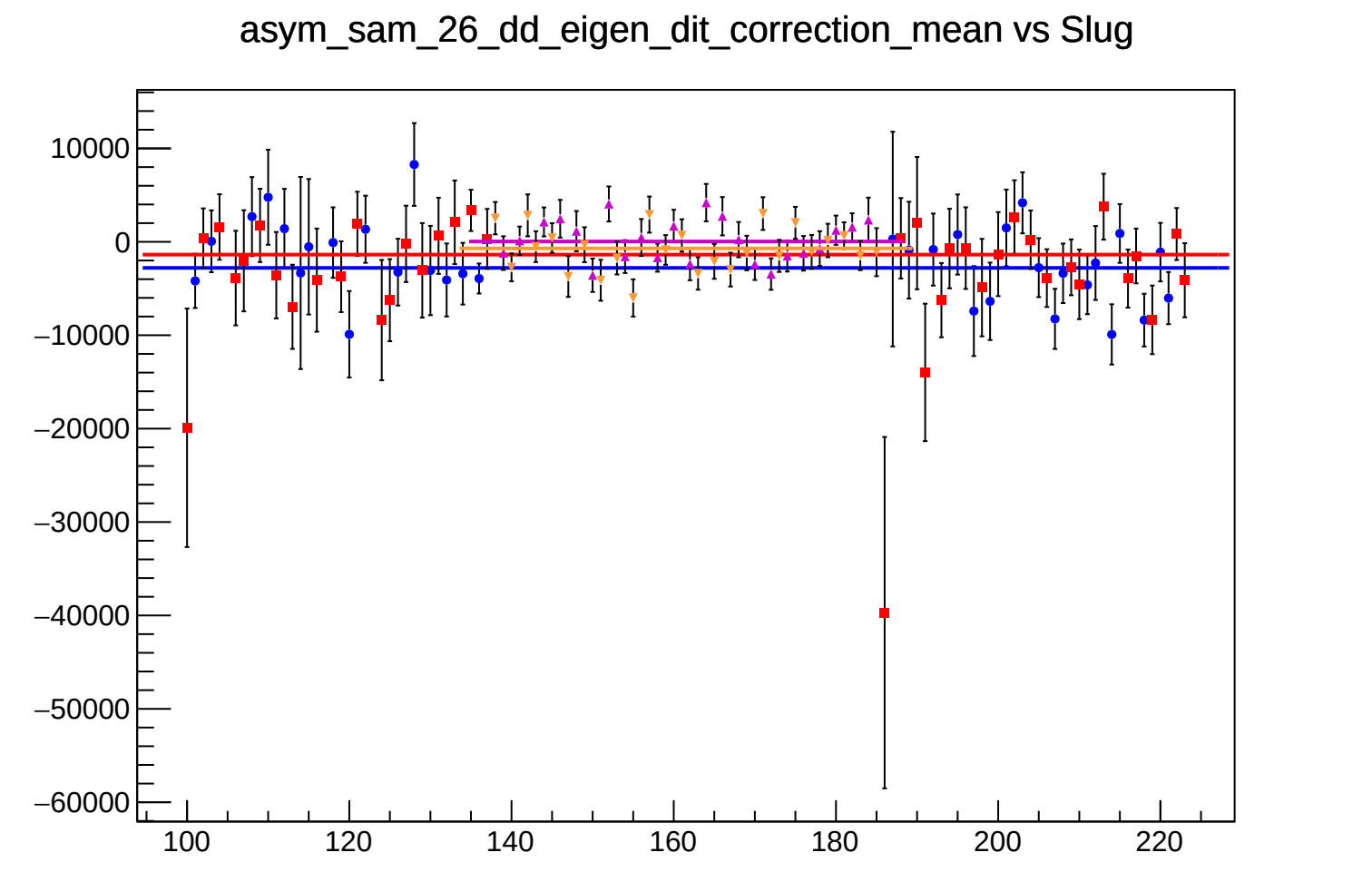
Right Out: 213.300+/-0.032 χ^2/NDF: 702156.5/38

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 212.062+/-0.023 χ^2/NDF: 700323.0/58

All: 213.584+/-0.017 χ^2/NDF: 1579998.4/120

- sign 215.163+/-0.024 χ^2/NDF: 871061.9/61



Right In: -2791.207+/-604.565 χ^2/NDF: 40.6/33

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1370.052+/-623.838 χ^2/NDF: 35.6/38

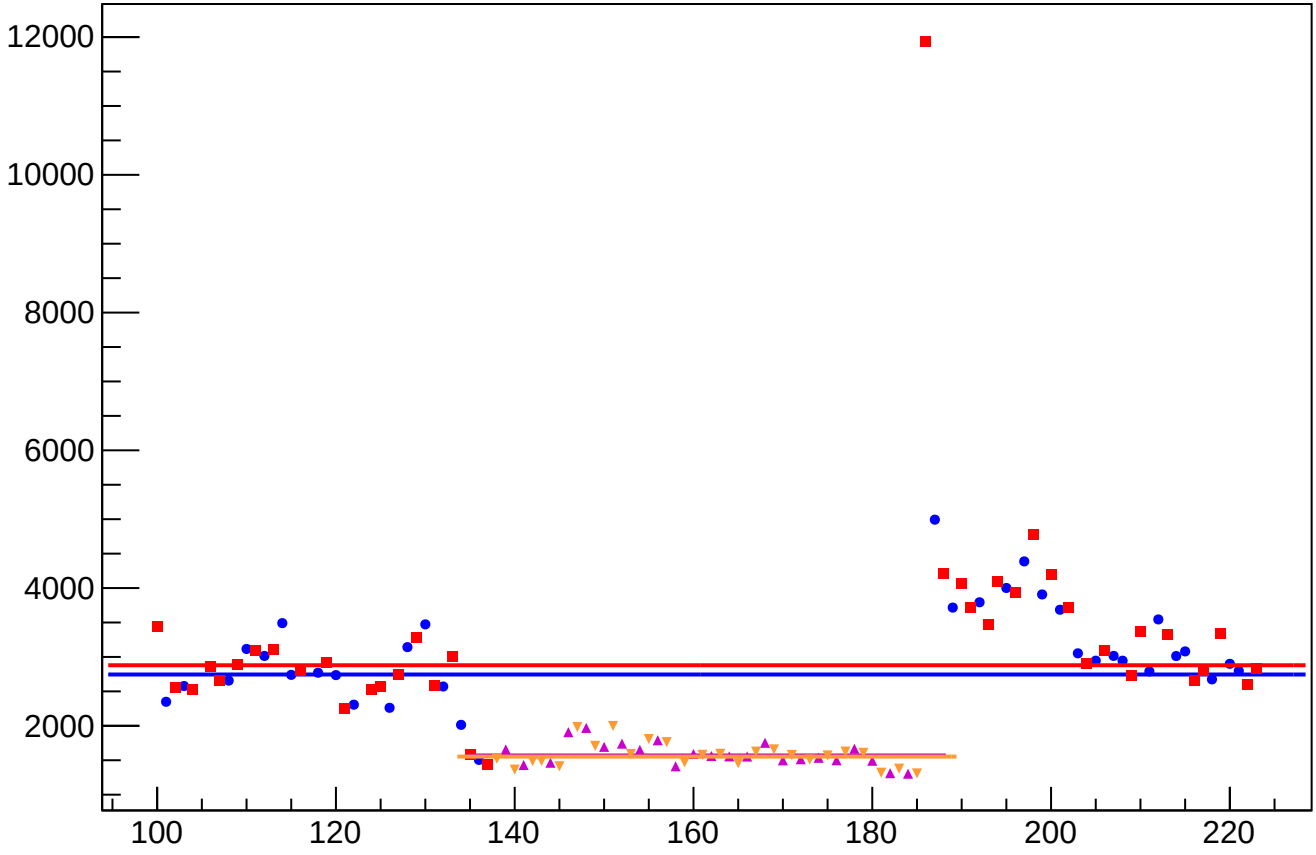
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -1240.198+/-306.421 χ^2/NDF: 87.0/58

All: -799.132+/-220.492 χ^2/NDF: 165.0/120

- sign -325.538+/-317.519 χ^2/NDF: 73.7/61

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2745.015+/-0.427 χ^2/NDF: 2633937.0/33

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2879.283+/-0.441 χ^2/NDF: 2999116.4/38

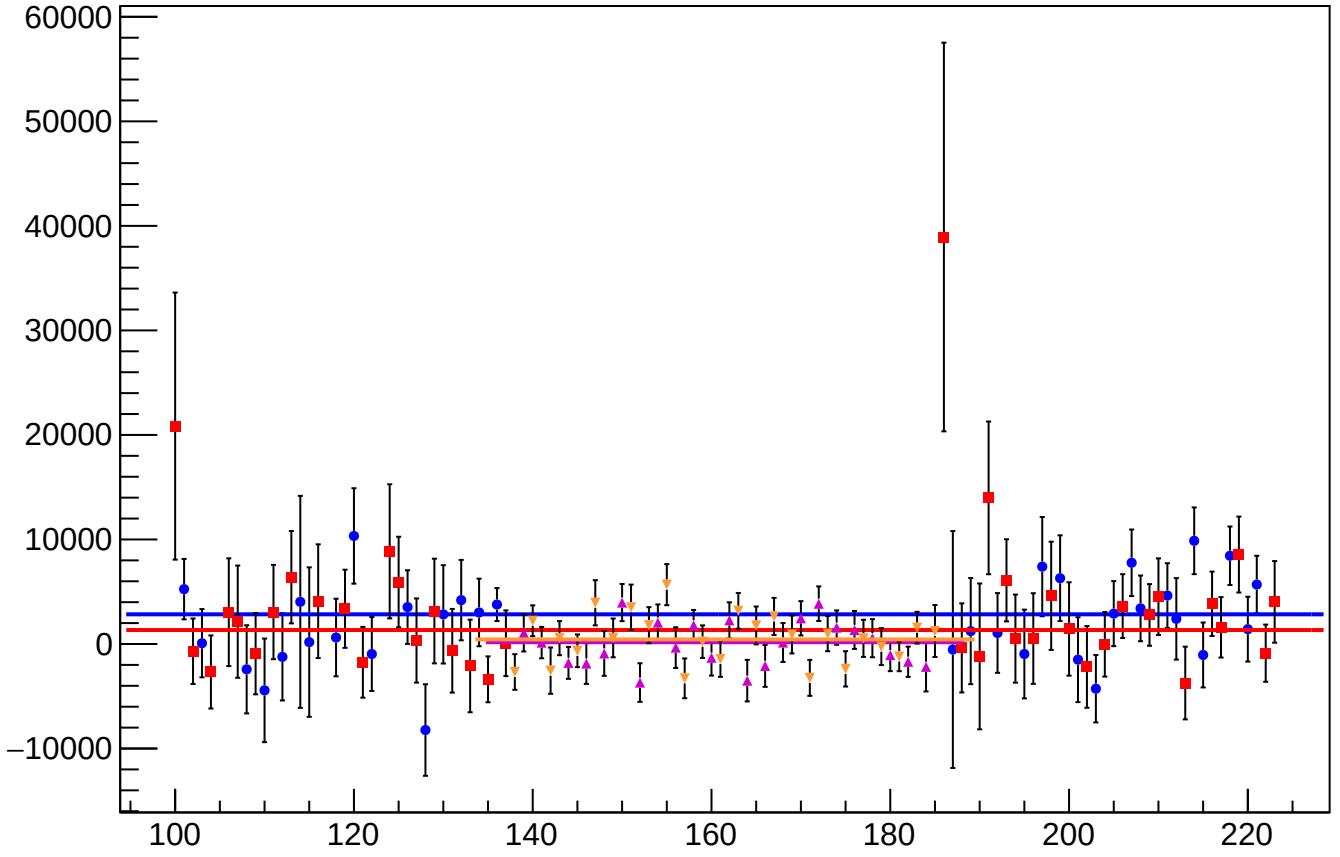
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1859.235+/-0.217 χ^2/NDF: 8821443.3/58

All: 1883.099+/-0.156 χ^2/NDF: 18736716.5/1

- sign 1908.722+/-0.225 χ^2/NDF: 9890118.2/61

asym_sam_26_dd_mean vs Slug



Right In: 2838.754+/-596.318 χ^2/NDF: 40.7/33

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 1335.807+/-616.422 χ^2/NDF: 35.5/38

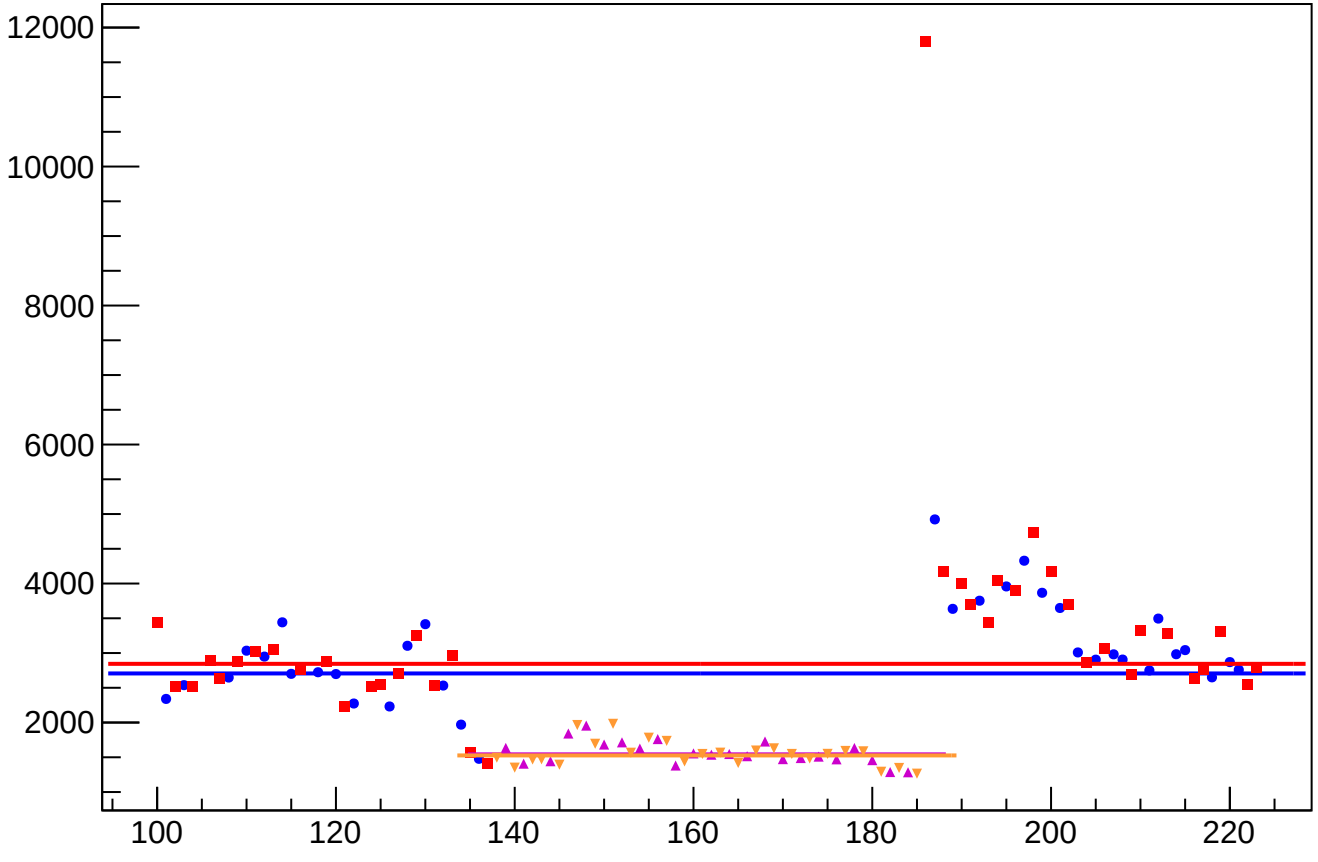
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 1051.683+/-301.580 χ^2/NDF: 91.6/58

All: 770.947+/-217.009 χ^2/NDF: 164.6/120

- sign 469.502+/-312.506 χ^2/NDF: 71.1/61

asym_sam_26_dd_rms vs Slug



Right In: 2706.285+/-0.422 χ^2/NDF: 2661138.5/33

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2844.499+/-0.436 χ^2/NDF: 3009717.9/38

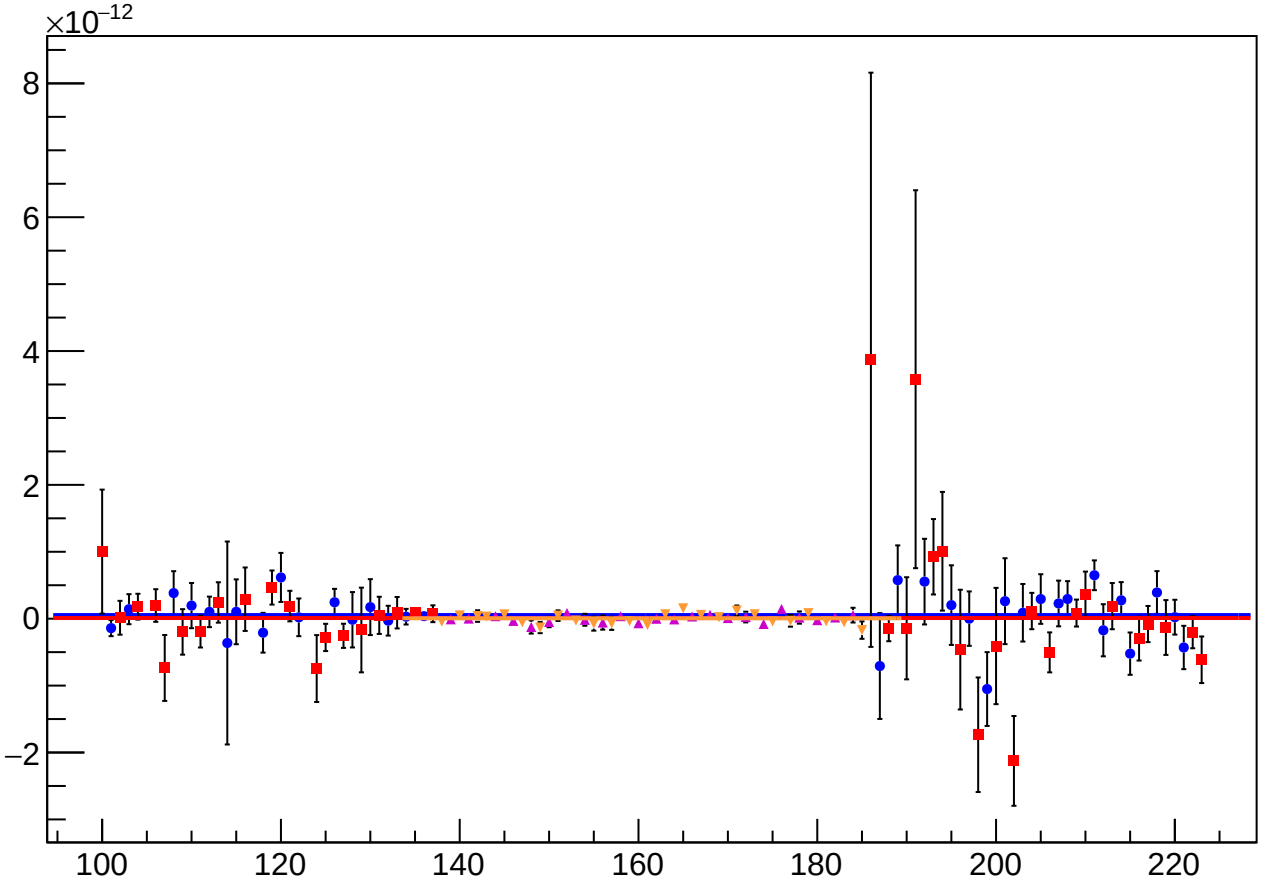
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1828.420+/-0.213 χ^2/NDF: 8914601.8/58

All: 1851.825+/-0.153 χ^2/NDF: 18943416.2/1

- sign 1876.957+/-0.221 χ^2/NDF: 10003833.6/61

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

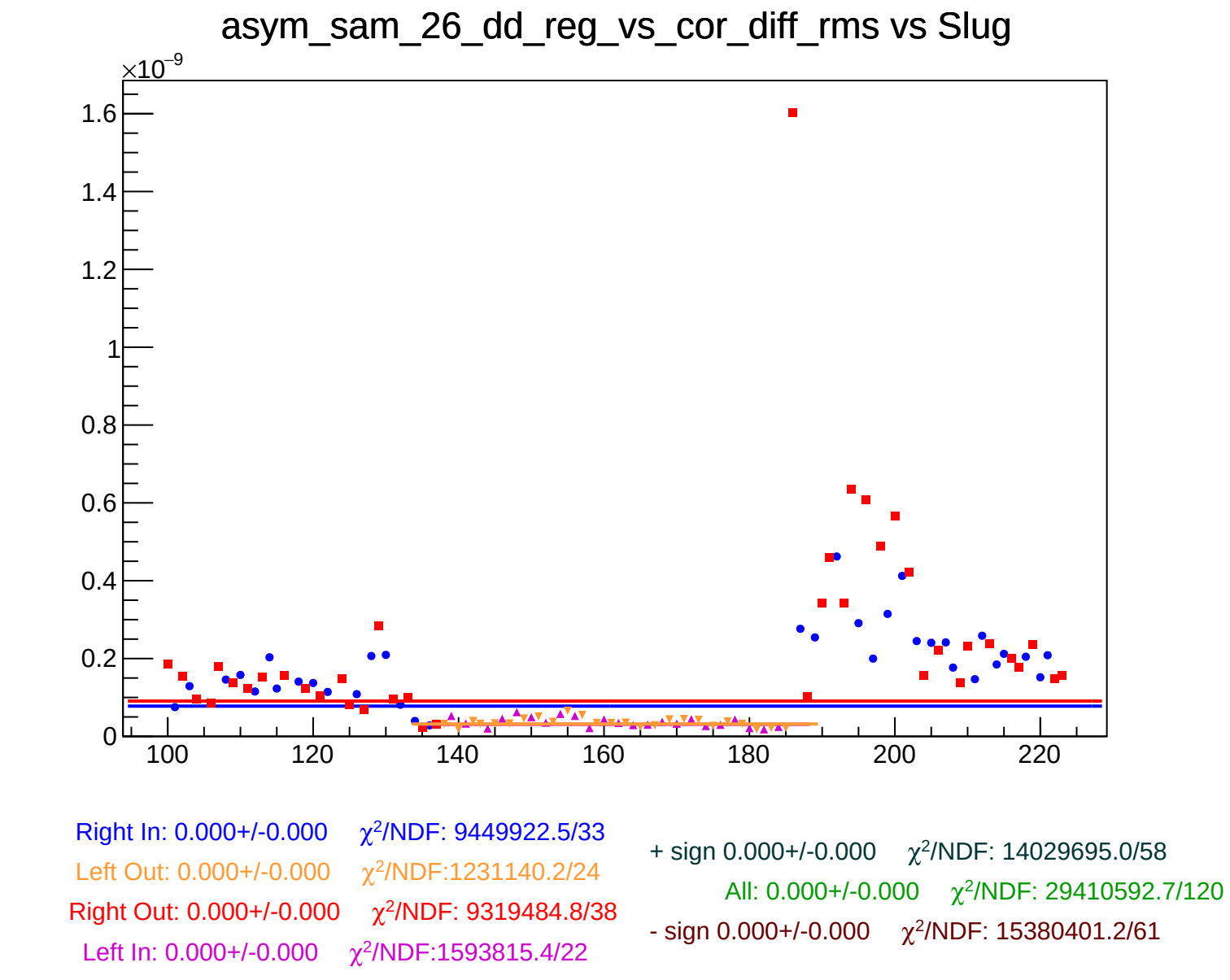
Right Out: 0.000+/-0.000 χ^2/NDF: 50.4/38

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

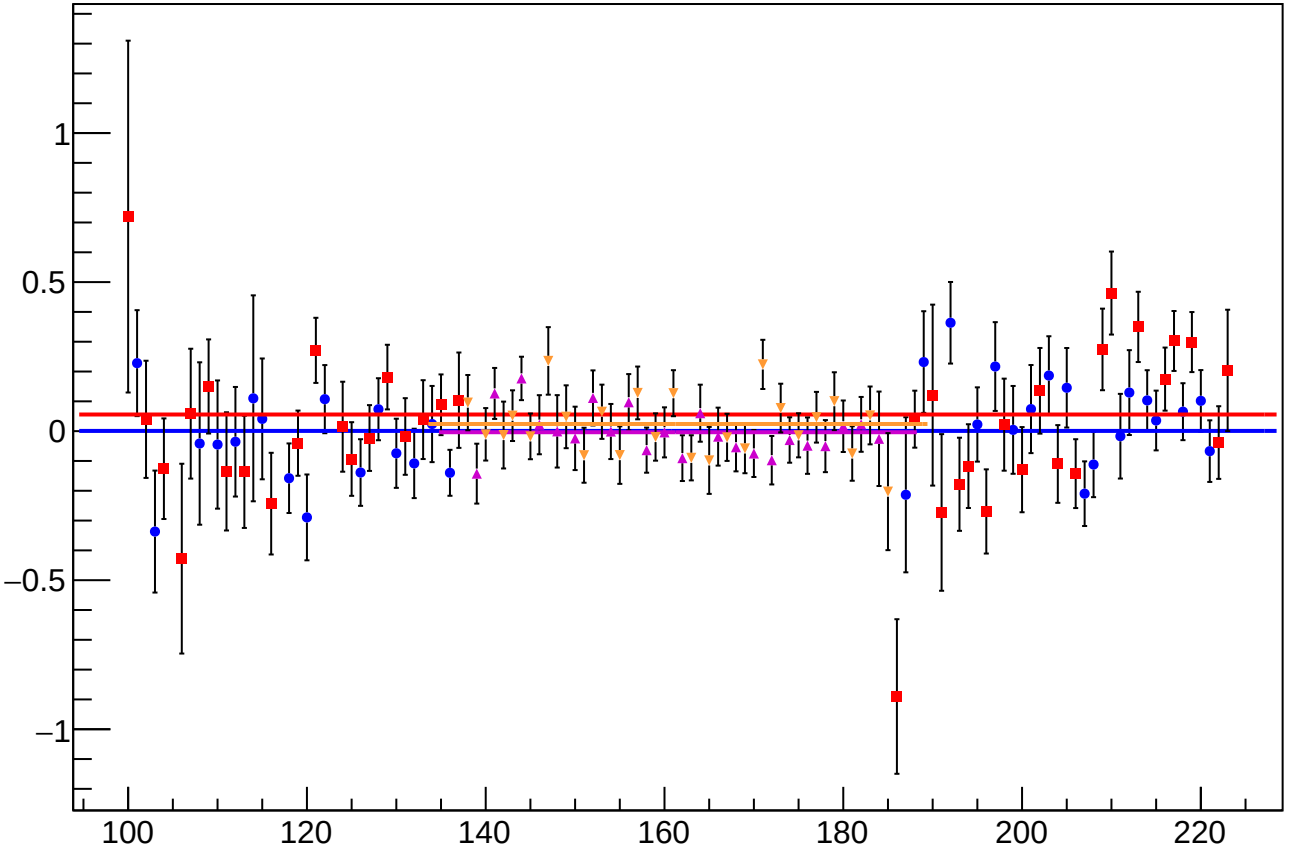
+ sign 0.000+/-0.000 χ^2/NDF: 64.3/58

All: 0.000+/-0.000 χ^2/NDF: 131.7/120

- sign 0.000+/-0.000 χ^2/NDF: 67.4/61


asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9449922.5/33
Left Out: 0.000+/-0.000 χ²/NDF:1231140.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 9319484.8/38
Left In: 0.000+/-0.000 χ²/NDF:1593815.4/22
+ sign 0.000+/-0.000 χ²/NDF: 14029695.0/58
All: 0.000+/-0.000 χ²/NDF: 29410592.7/120
- sign 0.000+/-0.000 χ²/NDF: 15380401.2/61

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.022 χ^2/NDF: 41.8/33

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.056+/-0.022 χ^2/NDF: 80.9/38

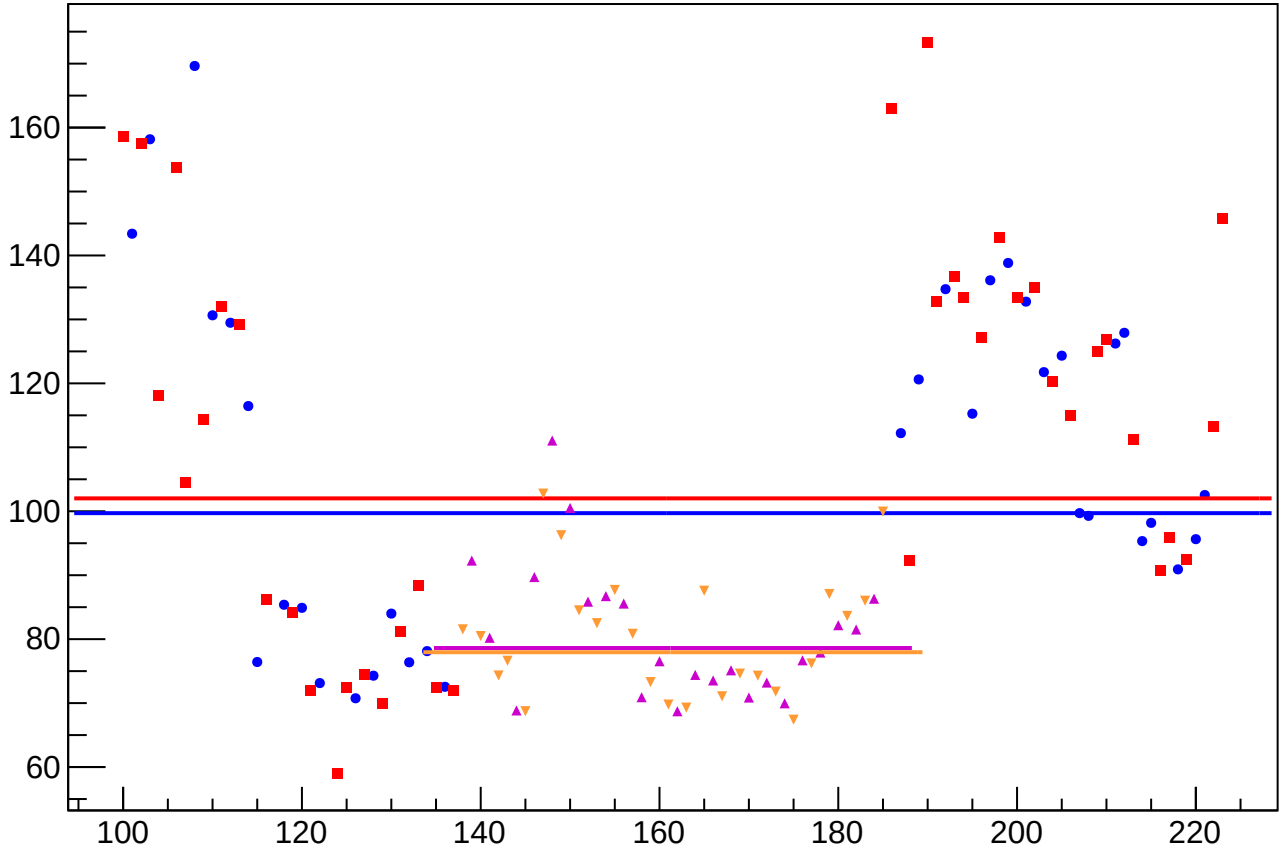
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 68.0/58

All: 0.018+/-0.010 χ^2/NDF: 172.1/120

- sign 0.021+/-0.014 χ^2/NDF: 104.0/61

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 99.704+/-0.016 χ^2/NDF: 2232061.4/33

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

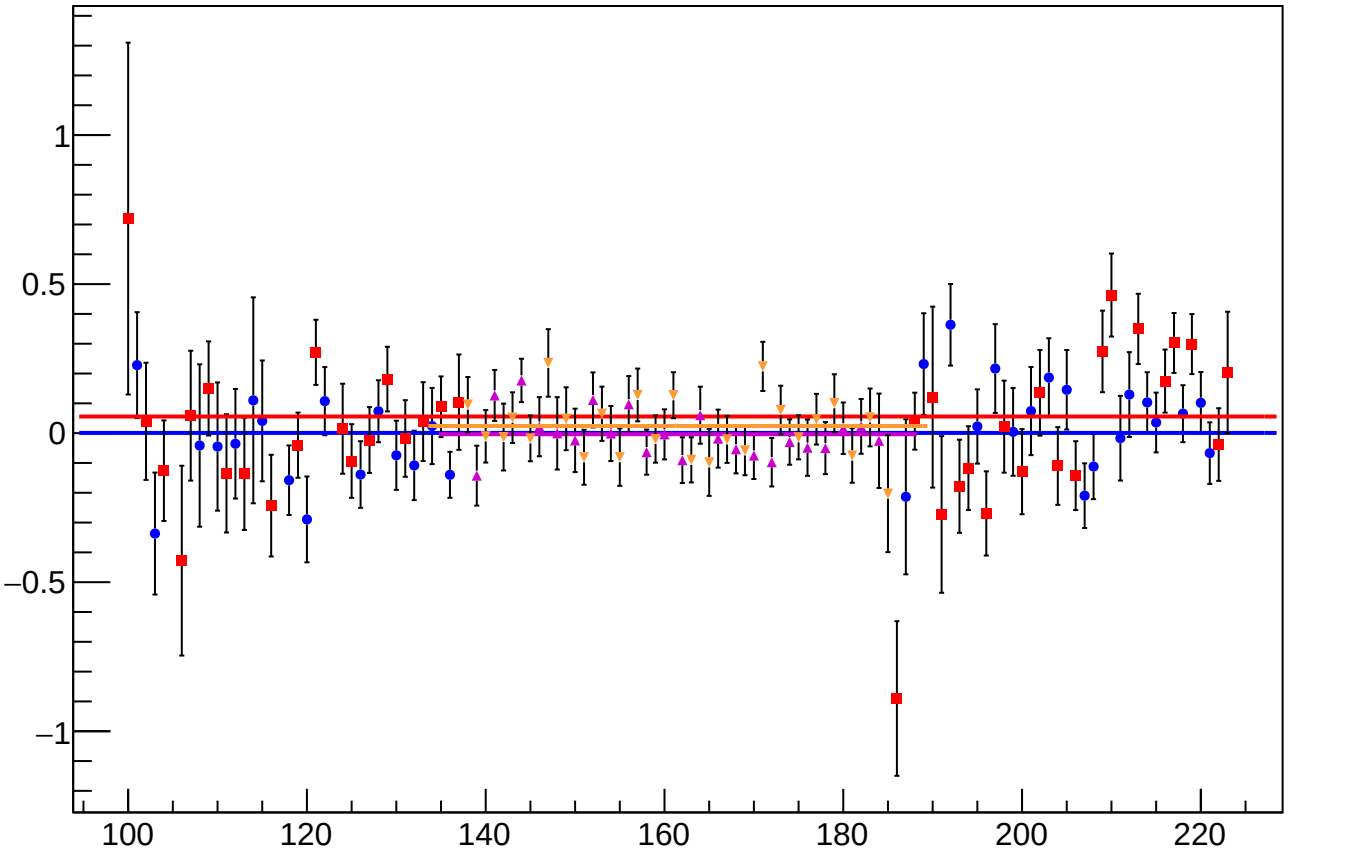
Right Out: 102.016+/-0.016 χ^2/NDF: 2685970.3/38

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 86.630+/-0.010 χ^2/NDF: 3854831.4/58

All: 87.431+/-0.007 χ^2/NDF: 8364308.8/120

- sign 88.276+/-0.010 χ^2/NDF: 4495720.7/61



Right In: 0.001+/-0.022 χ^2/NDF: 41.8/33

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

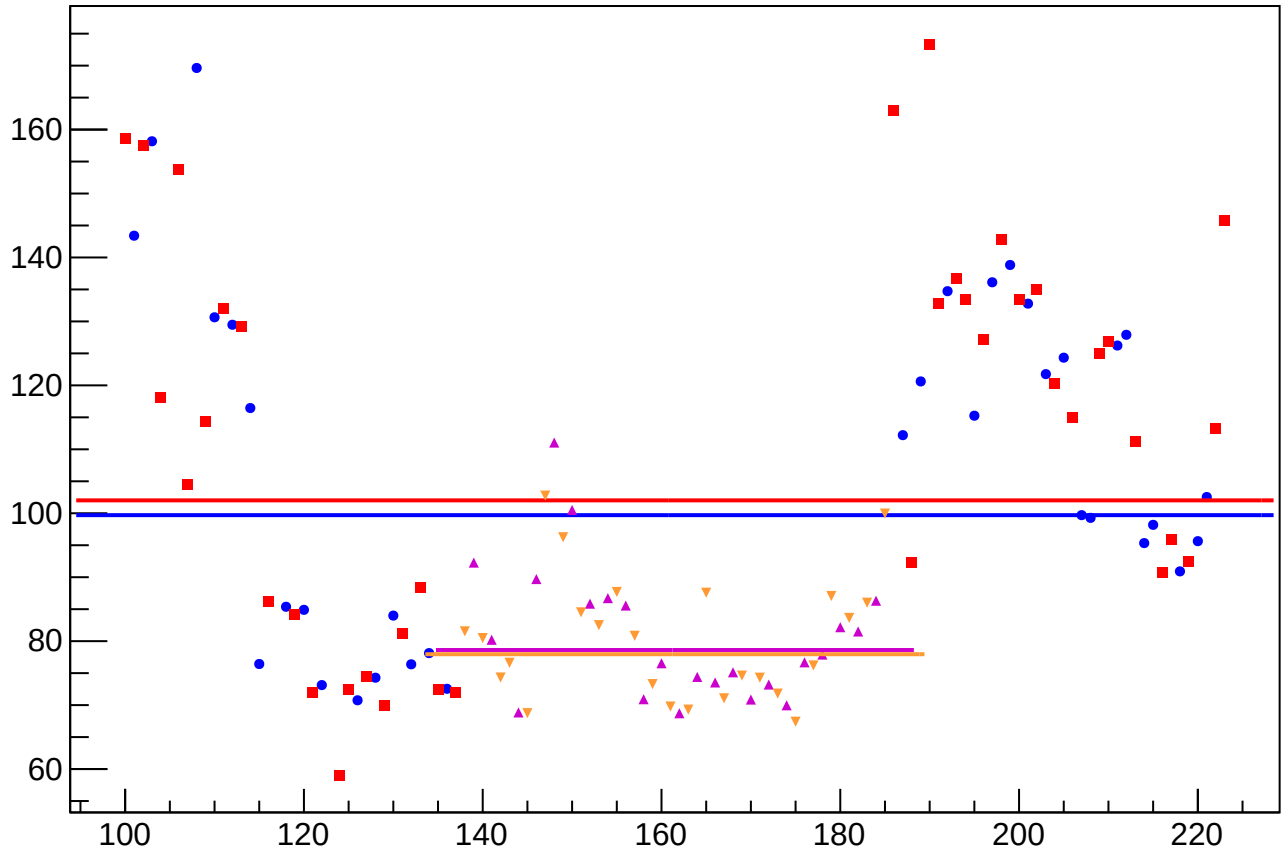
Right Out: 0.056+/-0.022 χ^2/NDF: 80.9/38

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 68.0/58

All: 0.018+/-0.010 χ^2/NDF: 172.1/120

- sign 0.021+/-0.014 χ^2/NDF: 104.0/61



Right In: 99.704+/-0.016 χ^2/NDF: 2232061.4/33

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

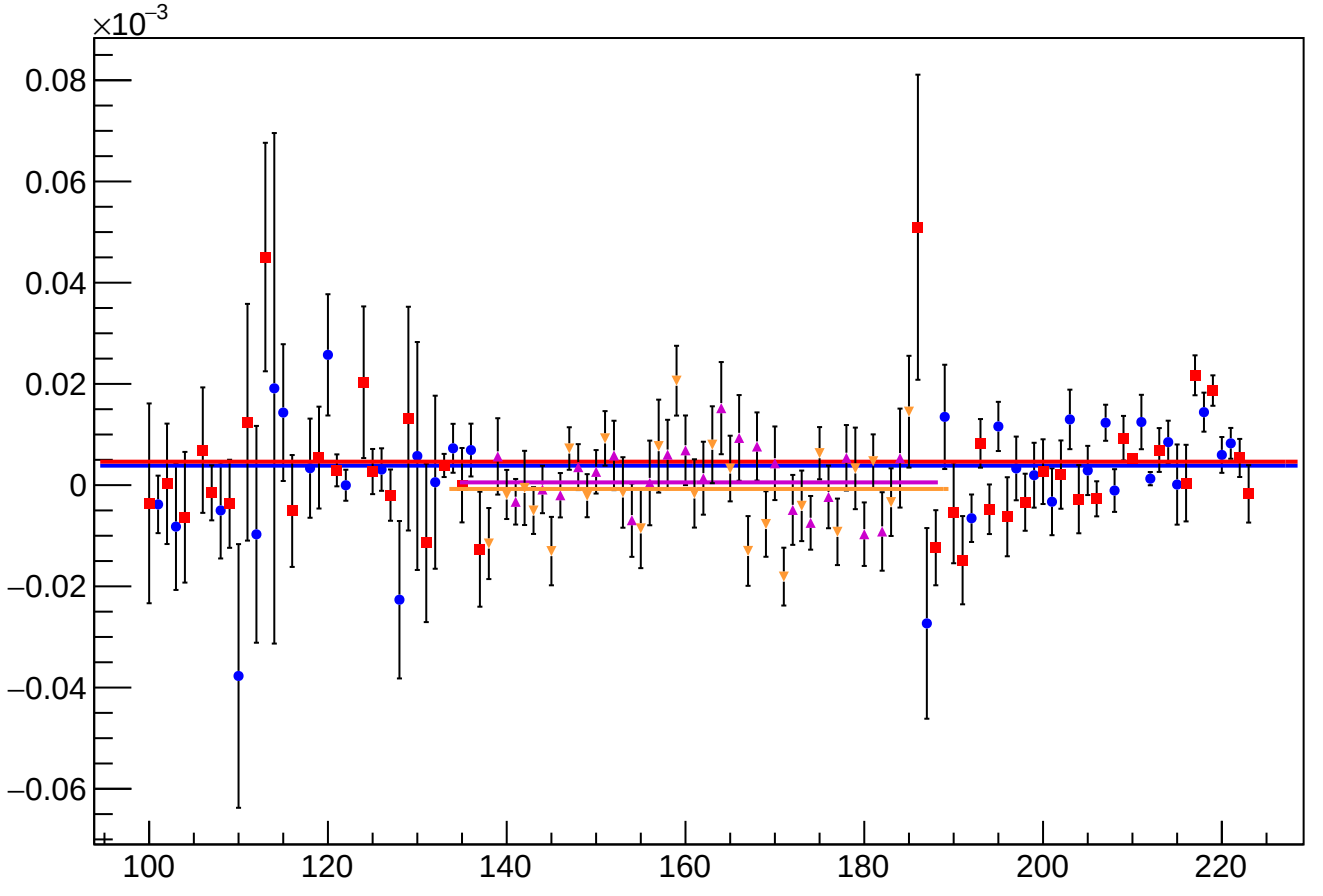
Right Out: 102.016+/-0.016 χ^2/NDF: 2685970.3/38

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 86.630+/-0.010 χ^2/NDF: 3854831.4/58

All: 87.431+/-0.007 χ^2/NDF: 8364308.8/120

- sign 88.276+/-0.010 χ^2/NDF: 4495720.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 55.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

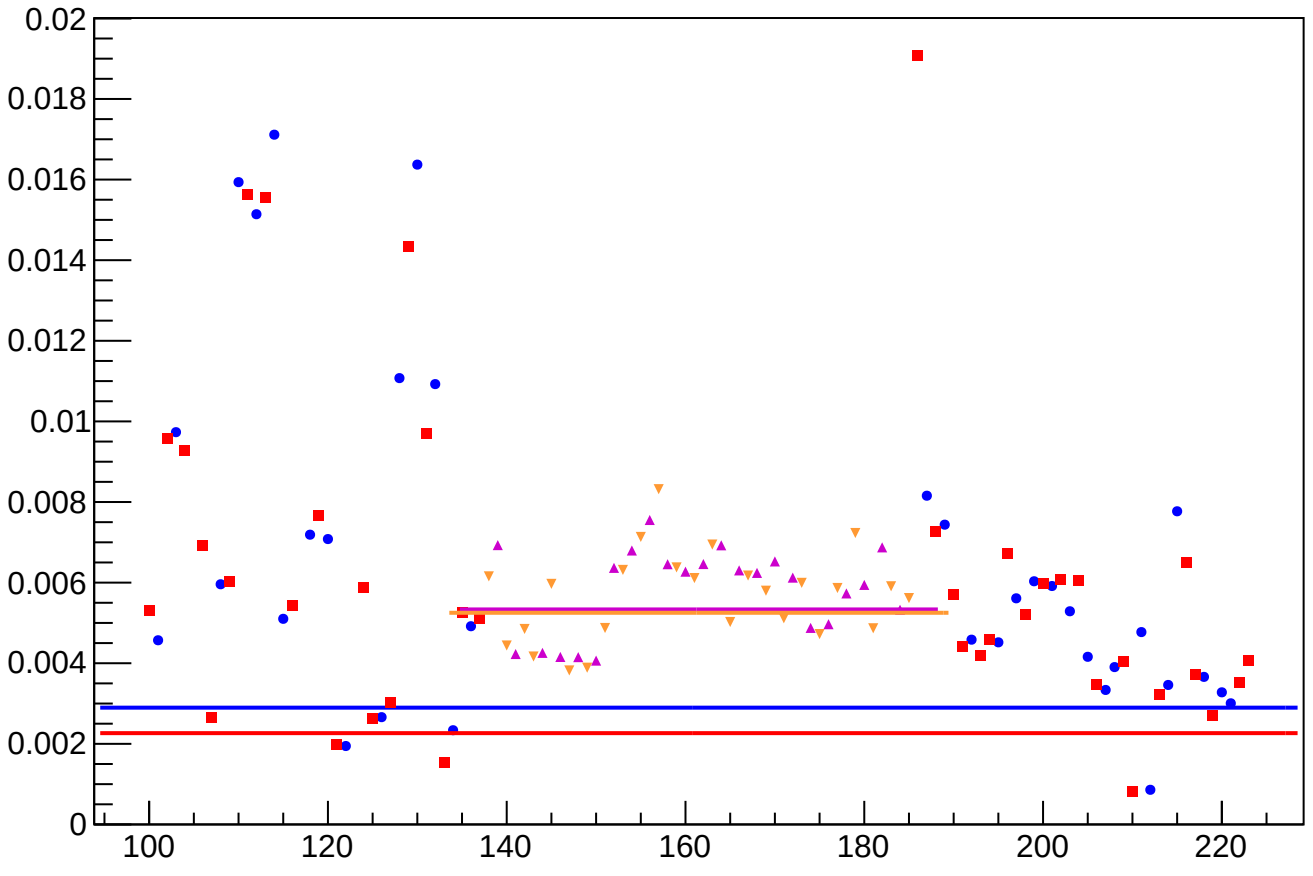
Right Out: 0.000+/-0.000 χ^2/NDF: 86.4/38

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 113.3/58

All: 0.000+/-0.000 χ^2/NDF: 228.6/120

- sign 0.000+/-0.000 χ^2/NDF: 113.1/61



Right In: 0.003+/-0.000 χ^2/NDF: 14094881.0/33

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

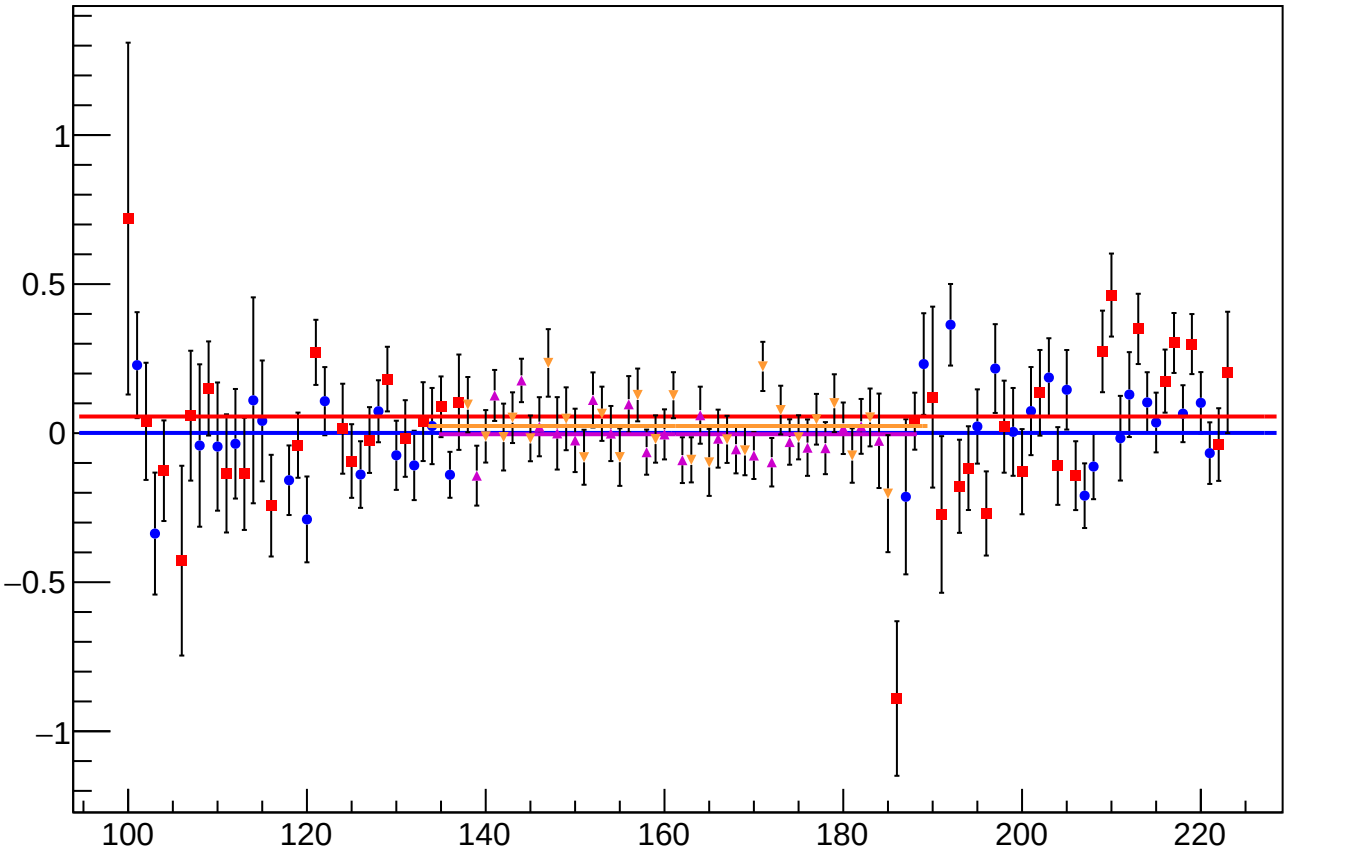
Right Out: 0.002+/-0.000 χ^2/NDF: 18903500.2/38

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 20874760.6/58

All: 0.003+/-0.000 χ^2/NDF: 51722059.3/120

- sign 0.003+/-0.000 χ^2/NDF: 29584346.6/61



Right In: 0.001+/-0.022 χ^2/NDF: 41.8/33

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.056+/-0.022 χ^2/NDF: 80.9/38

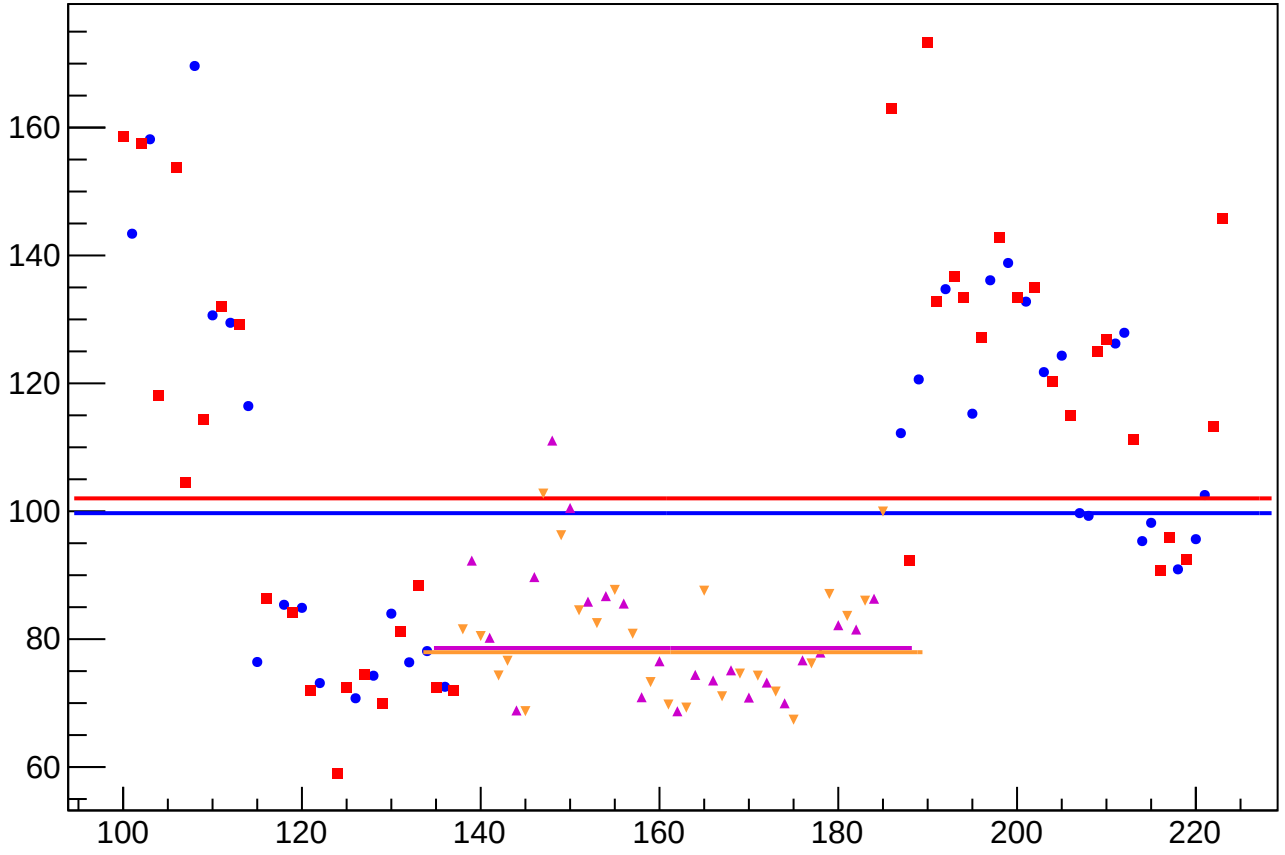
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 68.0/58

All: 0.018+/-0.010 χ^2/NDF: 172.1/120

- sign 0.021+/-0.014 χ^2/NDF: 104.0/61

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 99.702+/-0.016 χ^2/NDF: 2232196.6/33

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

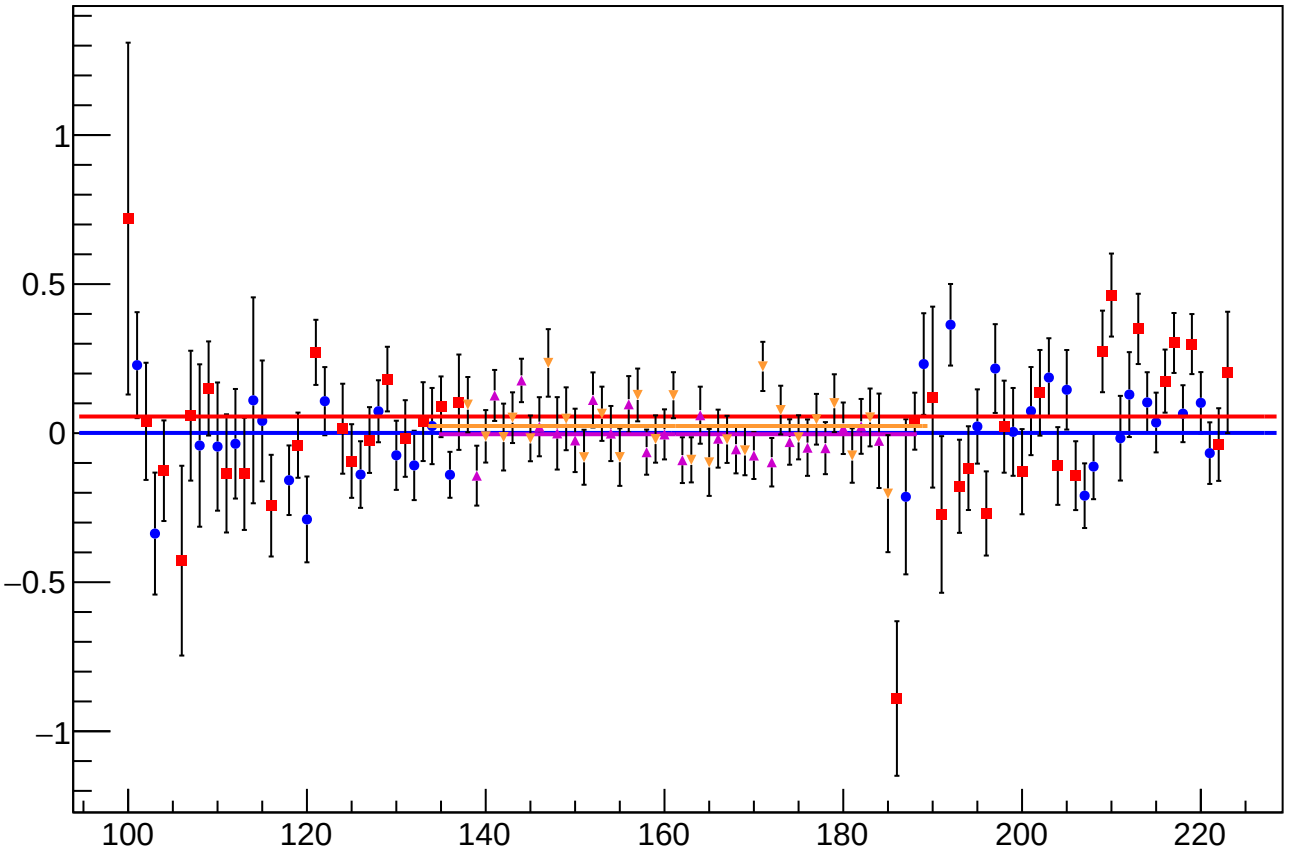
Right Out: 102.014+/-0.016 χ^2/NDF: 2686092.7/38

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 86.629+/-0.010 χ^2/NDF: 3854898.4/58

All: 87.430+/-0.007 χ^2/NDF: 8364482.9/120

- sign 88.275+/-0.010 χ^2/NDF: 4495829.9/61



Right In: 0.001+/-0.022 χ^2/NDF: 41.8/33

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

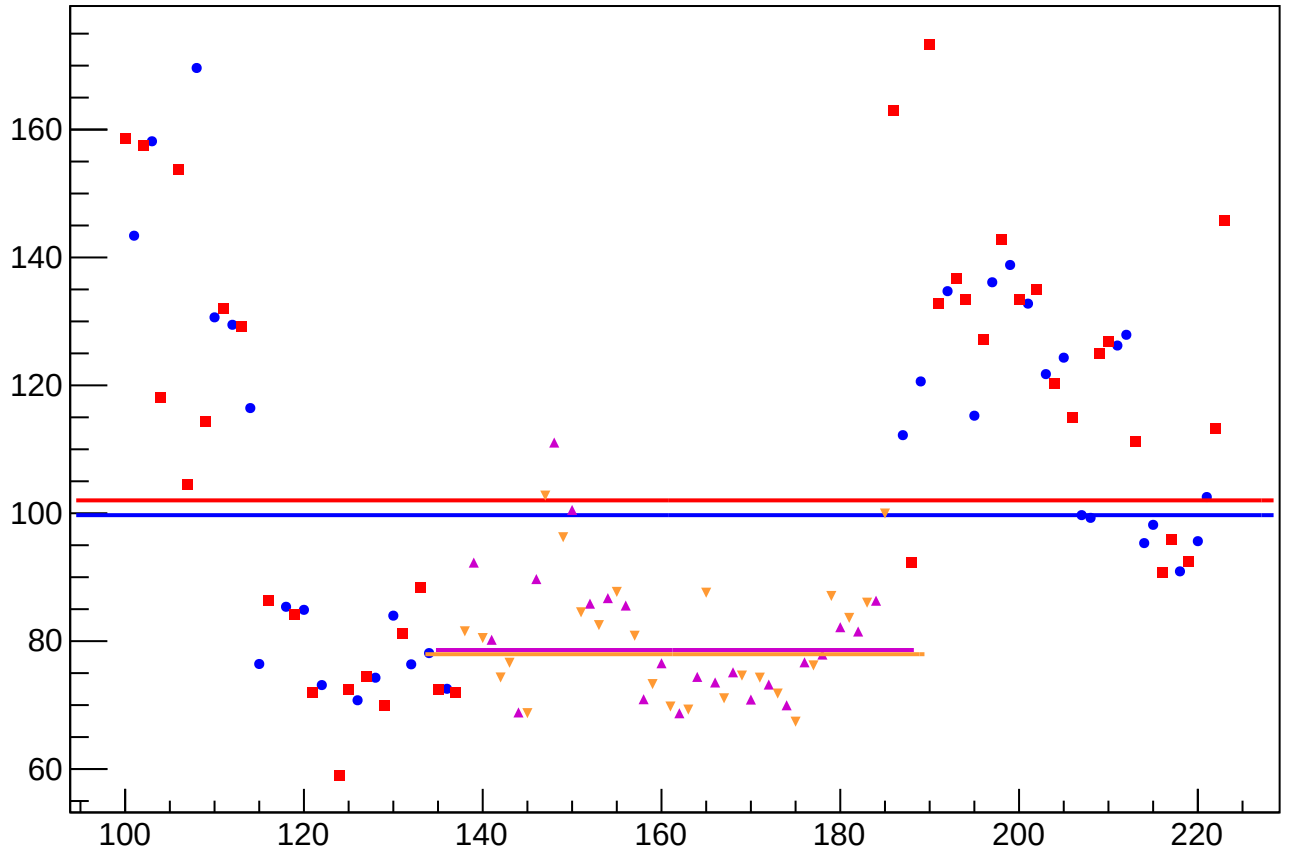
Right Out: 0.056+/-0.022 χ^2/NDF: 80.9/38

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 68.0/58

All: 0.018+/-0.010 χ^2/NDF: 172.1/120

- sign 0.021+/-0.014 χ^2/NDF: 104.0/61



Right In: 99.702+/-0.016 χ^2/NDF: 2232196.6/33

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

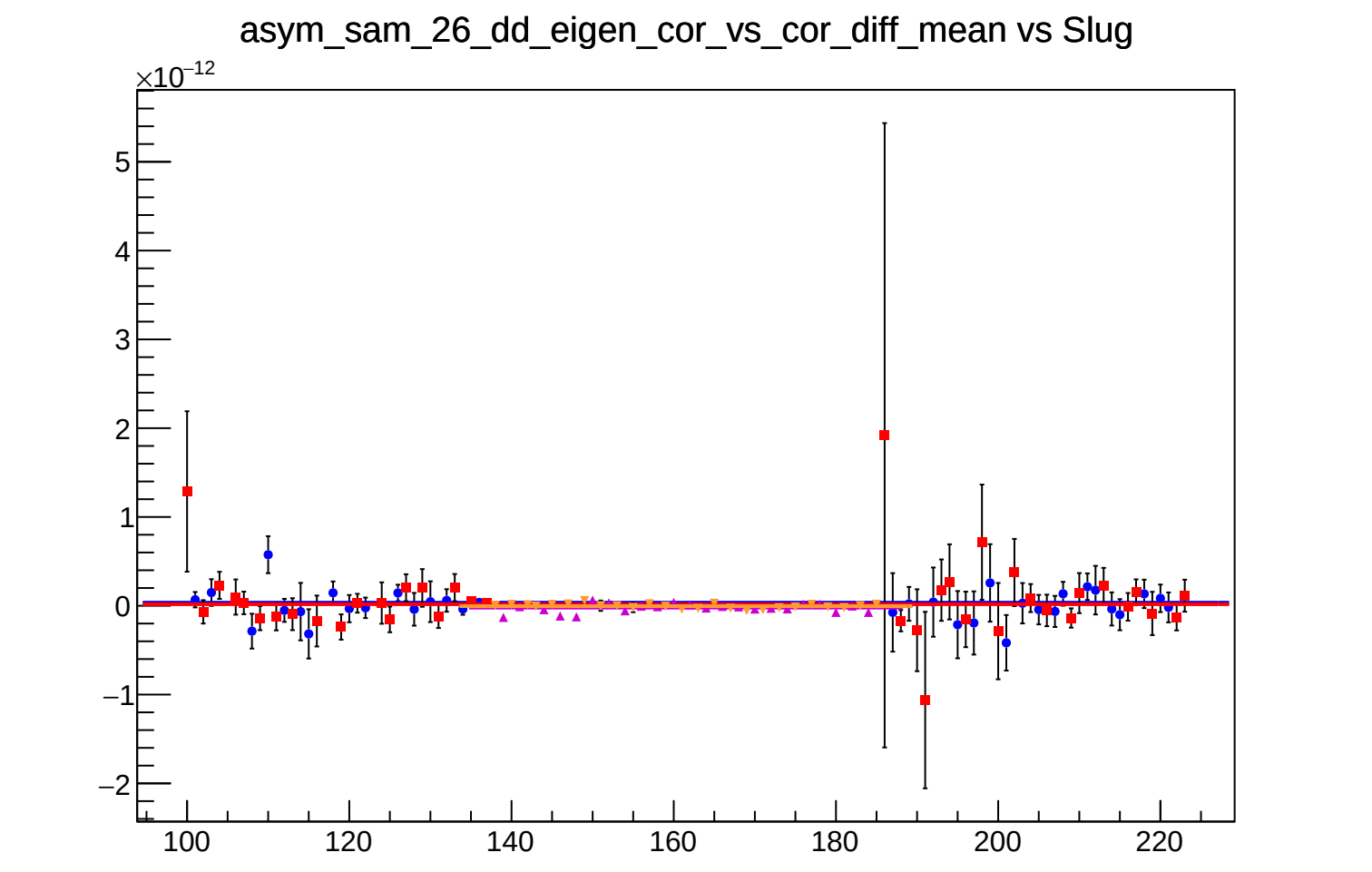
Right Out: 102.014+/-0.016 χ^2/NDF: 2686092.7/38

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 86.629+/-0.010 χ^2/NDF: 3854898.4/58

All: 87.430+/-0.007 χ^2/NDF: 8364482.9/120

- sign 88.275+/-0.010 χ^2/NDF: 4495829.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

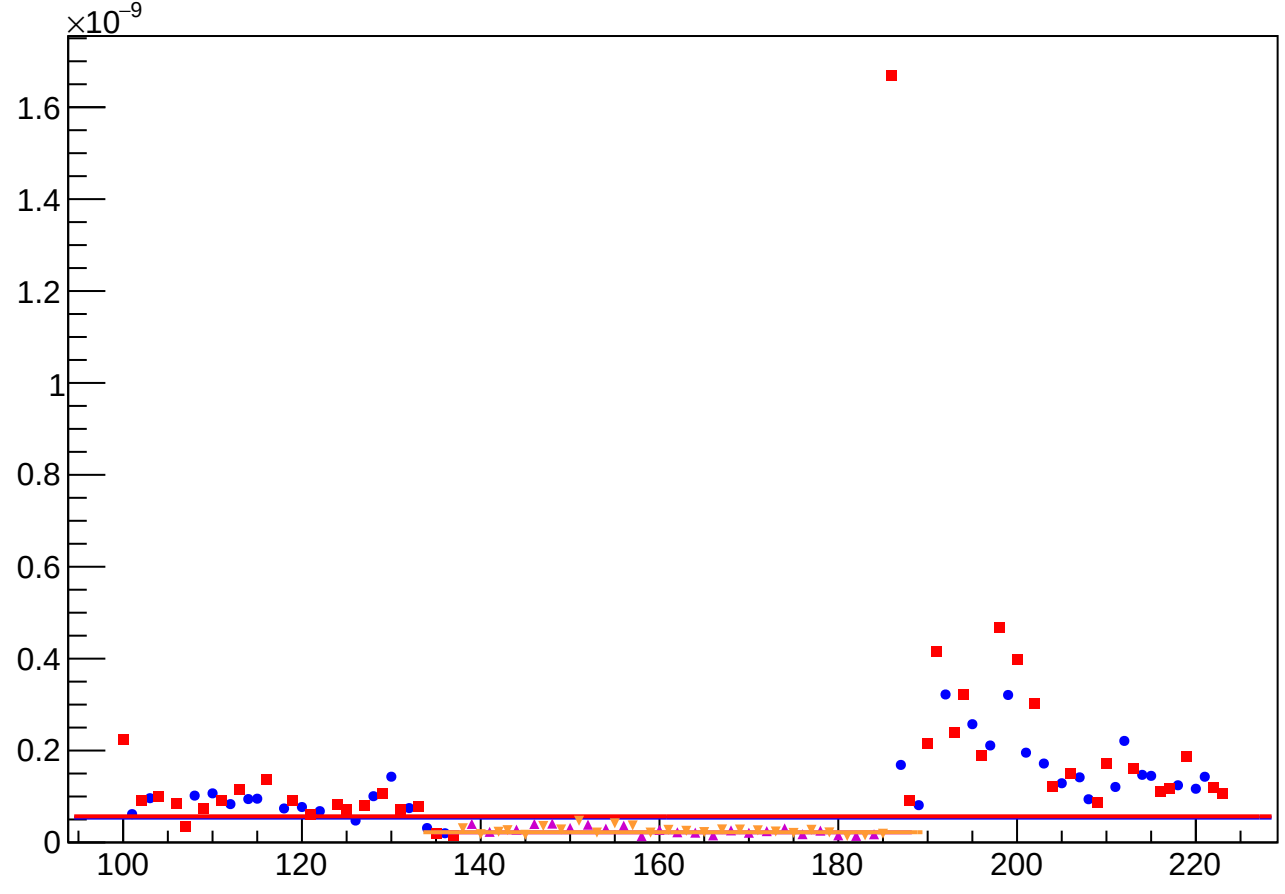
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/38

Left In: -0.000+/-0.000 χ^2/NDF:40.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/58

All: -0.000+/-0.000 χ^2/NDF: 119.8/120

- sign -0.000+/-0.000 χ^2/NDF: 75.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 13002023.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14516640.8/38

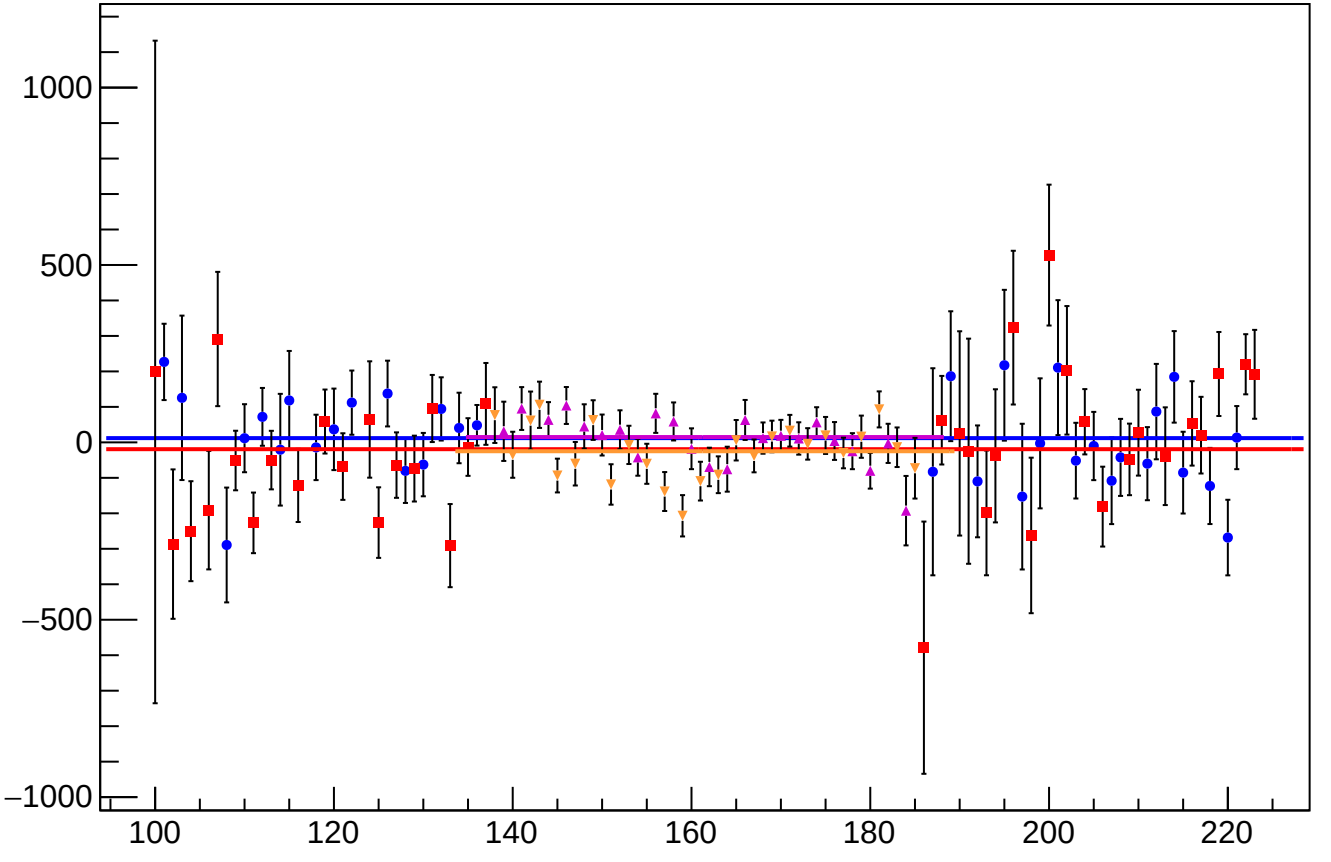
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 20416570.0/58

All: 0.000+/-0.000 χ^2/NDF: 43302629.4/120

- sign 0.000+/-0.000 χ^2/NDF: 22886039.3/61

reg_asym_sam_37_dd_mean vs Slug



Right In: 11.973+/-18.812 χ^2/NDF: 32.8/33

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -19.218+/-18.977 χ^2/NDF: 63.9/38

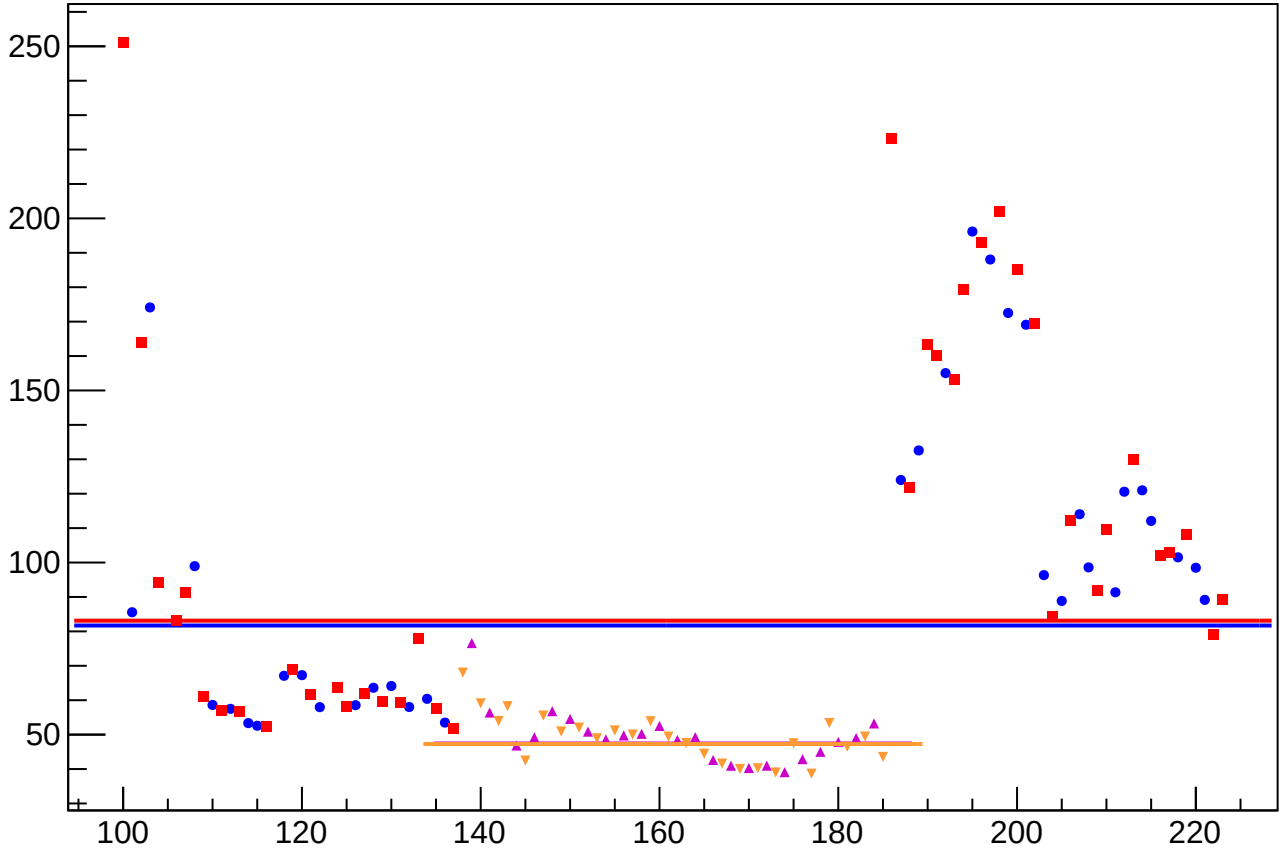
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -15.714+/-9.423 χ^2/NDF: 78.8/58

All: -5.057+/-6.744 χ^2/NDF: 172.5/120

- sign 6.135+/-9.657 χ^2/NDF: 91.1/61

reg_asym_sam_37_dd_rms vs Slug



Right In: 81.699+/-0.013 χ^2/NDF: 5546113.9/33

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 83.113+/-0.013 χ^2/NDF: 6493037.9/38

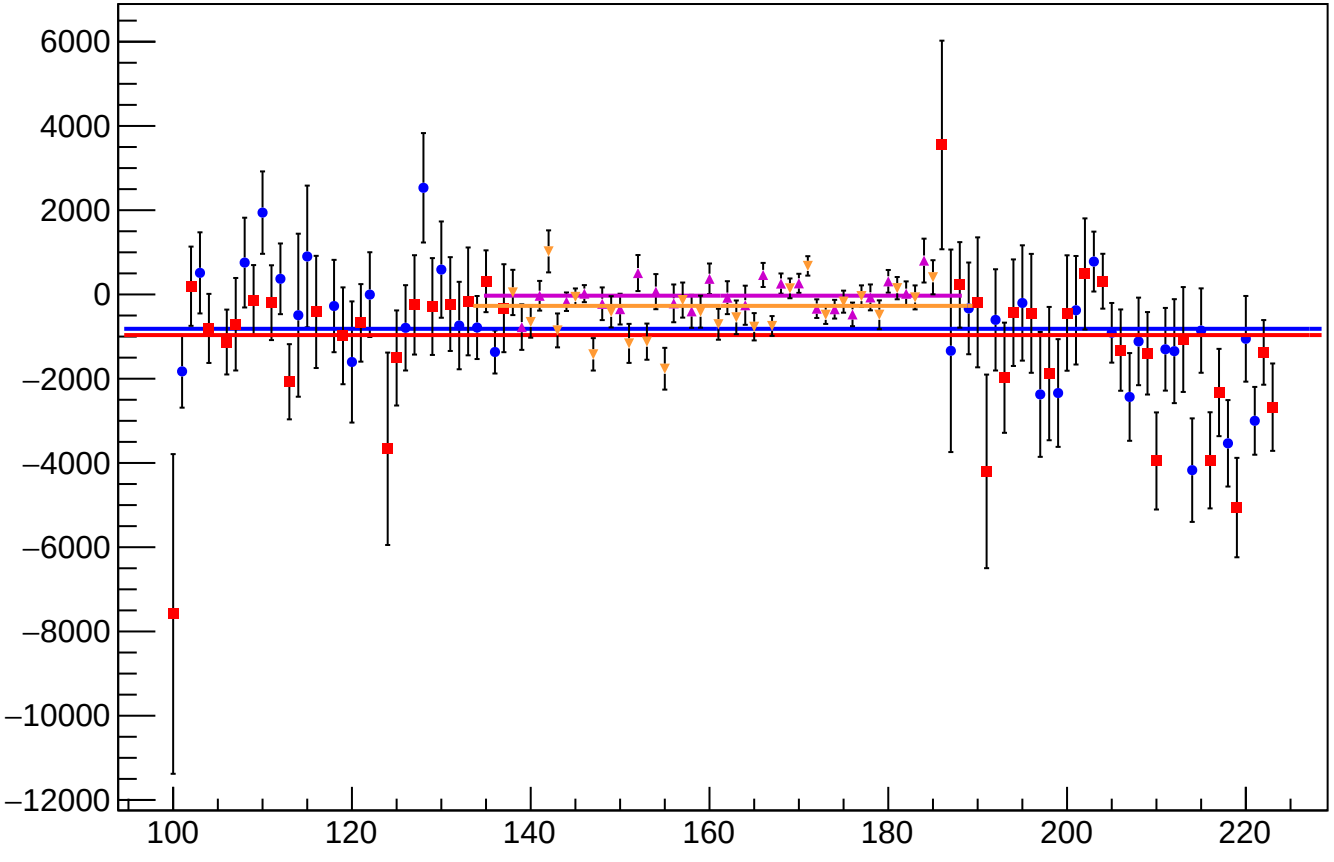
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.919+/-0.007 χ^2/NDF: 11277391.8/58

All: 56.283+/-0.005 χ^2/NDF: 23673857.4/120

- sign 56.666+/-0.007 χ^2/NDF: 12390322.8/61

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -815.480+/-171.176 χ^2/NDF: 60.0/33

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -964.353+/-170.998 χ^2/NDF: 58.9/38

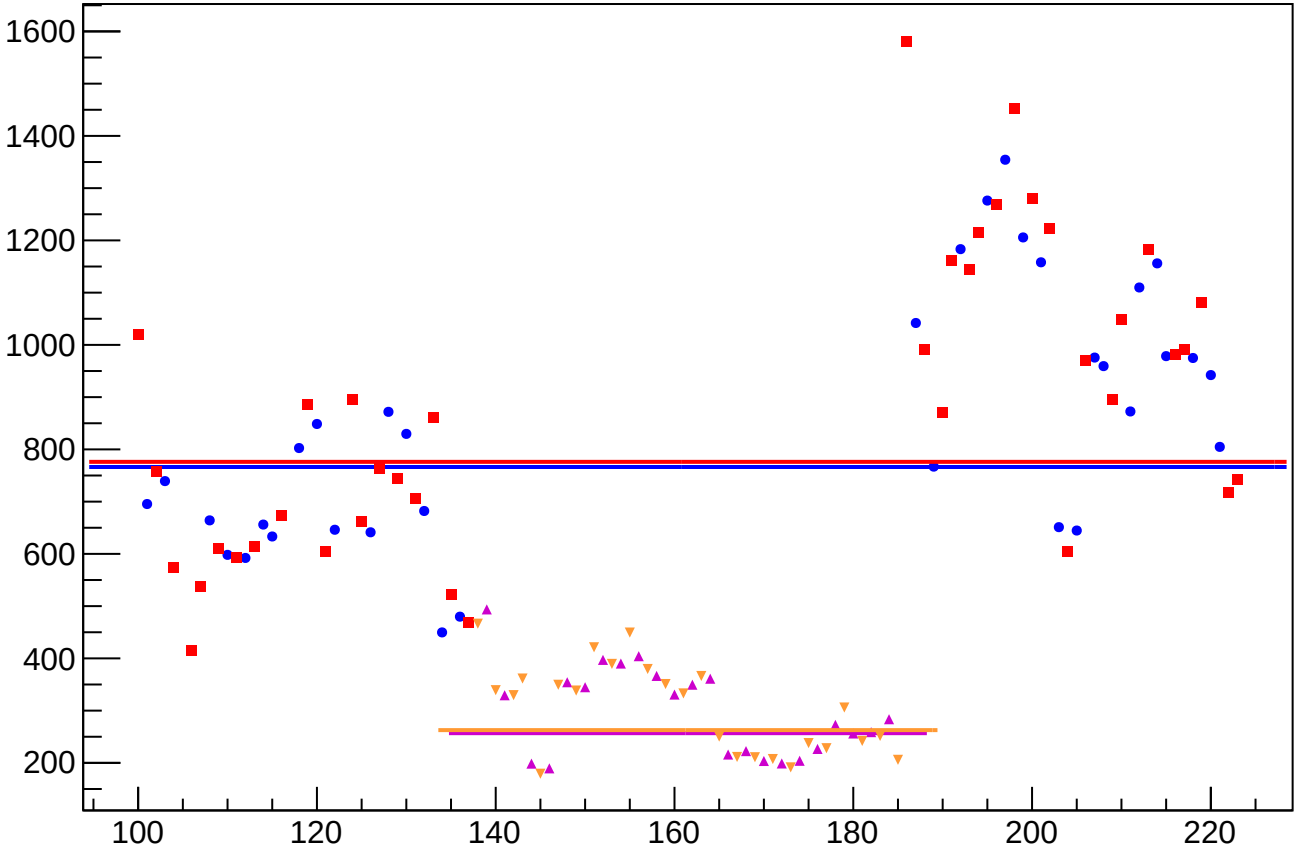
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -334.797+/-58.581 χ^2/NDF: 142.8/58

All: -237.802+/-41.516 χ^2/NDF: 258.0/120

- sign -139.937+/-58.843 χ^2/NDF: 109.6/61

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 766.303+/-0.121 χ^2/NDF: 3444250.7/33

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 776.159+/-0.121 χ^2/NDF: 4200140.5/38

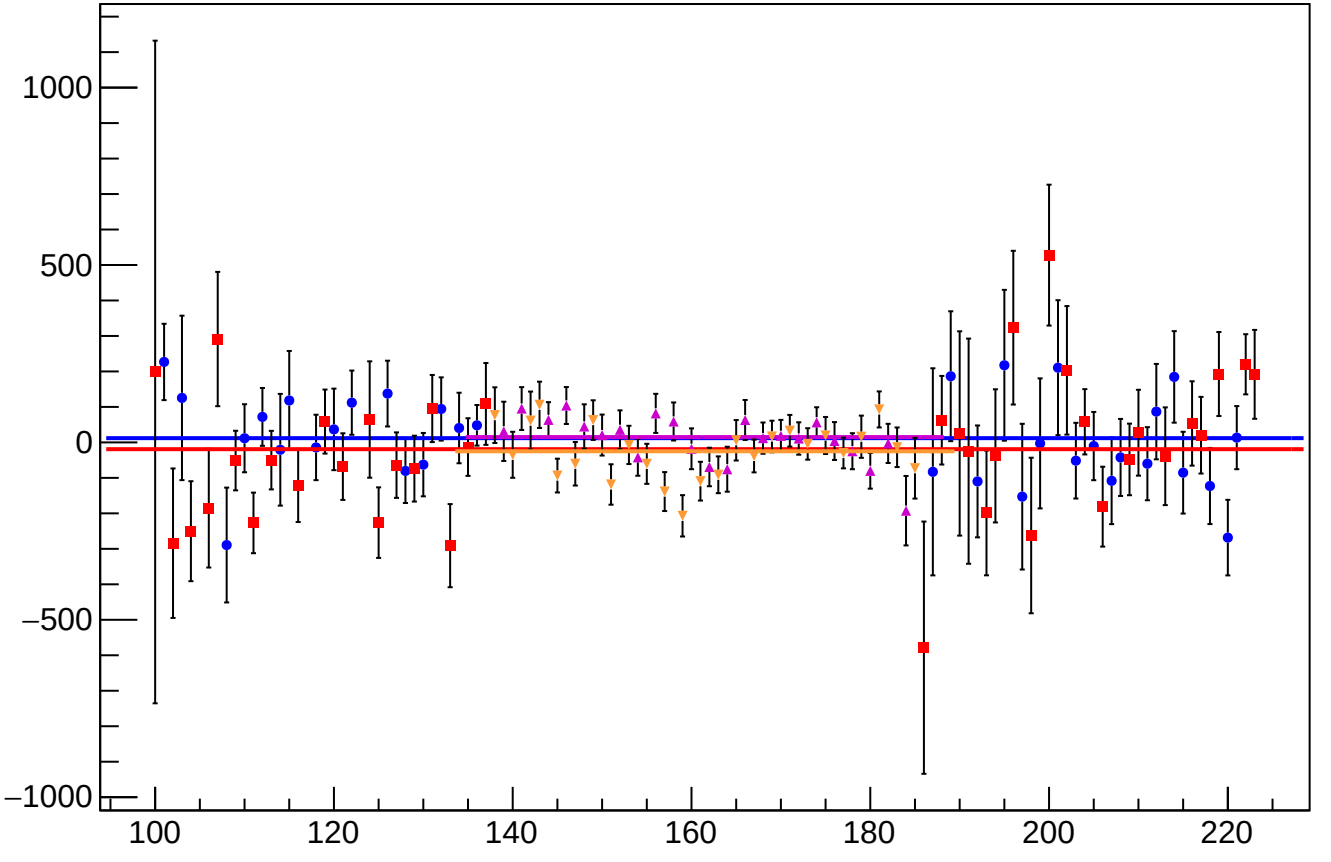
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 321.663+/-0.041 χ^2/NDF: 21622280.6/58

All: 320.008+/-0.029 χ^2/NDF: 44726899.2/12

- sign 318.337+/-0.042 χ^2/NDF: 23101409.7/61

cor_asym_sam_37_dd_mean vs Slug



Right In: 11.967+/-18.812 χ^2/NDF: 32.8/33

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -19.106+/-18.978 χ^2/NDF: 63.8/38

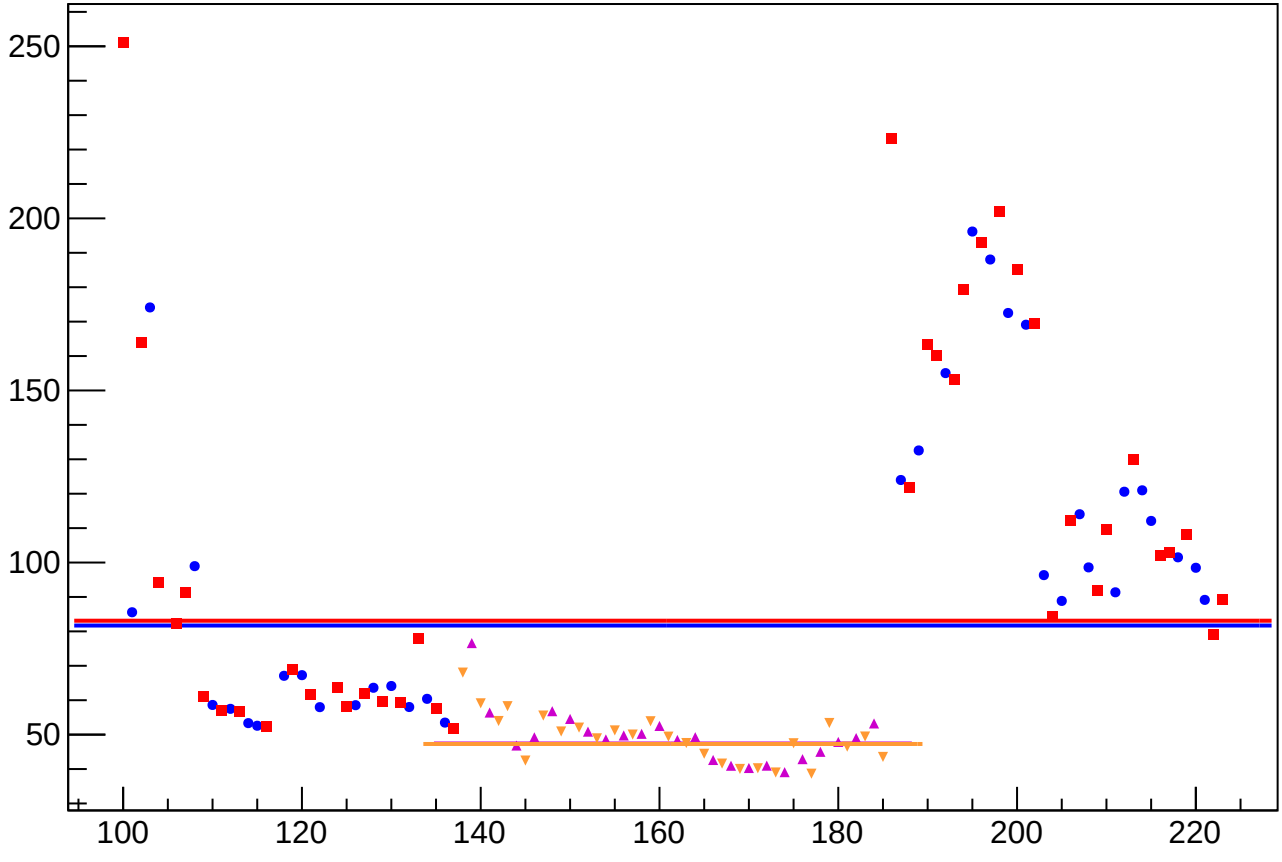
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -15.713+/-9.423 χ^2/NDF: 78.8/58

All: -5.043+/-6.744 χ^2/NDF: 172.4/120

- sign 6.163+/-9.657 χ^2/NDF: 90.9/61

cor_asym_sam_37_dd_rms vs Slug



Right In: 81.699+/-0.013 χ^2/NDF: 5546116.3/33

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

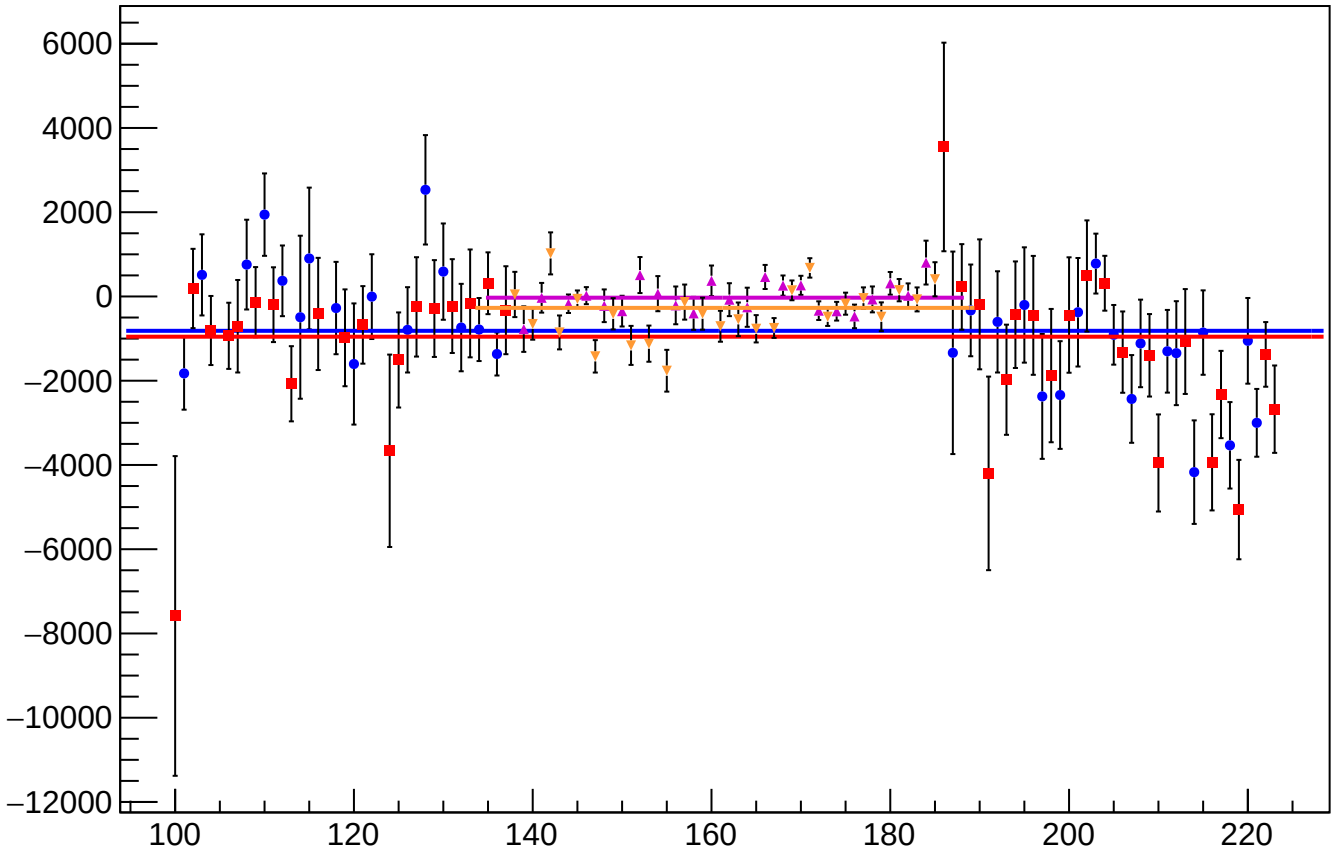
Right Out: 83.100+/-0.013 χ^2/NDF: 6493280.1/38

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.919+/-0.007 χ^2/NDF: 11277393.5/58

All: 56.281+/-0.005 χ^2/NDF: 23669890.0/120

- sign 56.663+/-0.007 χ^2/NDF: 12386417.7/61



Right In: -815.483+/-171.177 χ^2/NDF: 60.0/33

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -955.108+/-171.169 χ^2/NDF: 58.8/38

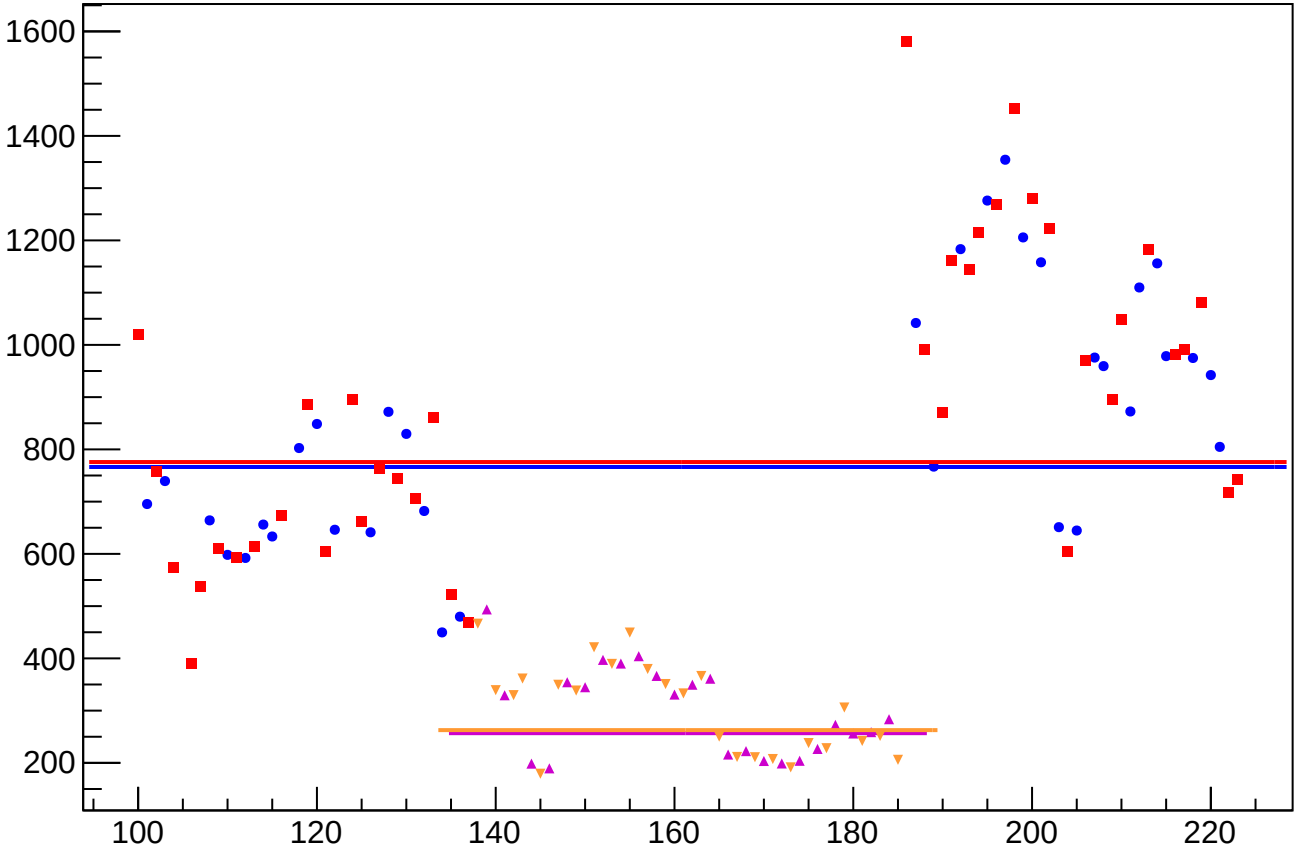
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -334.793+/-58.581 χ^2/NDF: 142.8/58

All: -237.171+/-41.518 χ^2/NDF: 257.4/120

- sign -138.651+/-58.850 χ^2/NDF: 109.0/61

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 766.306+/-0.121 χ^2/NDF: 3444242.2/33

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 775.772+/-0.121 χ^2/NDF: 4239526.3/38

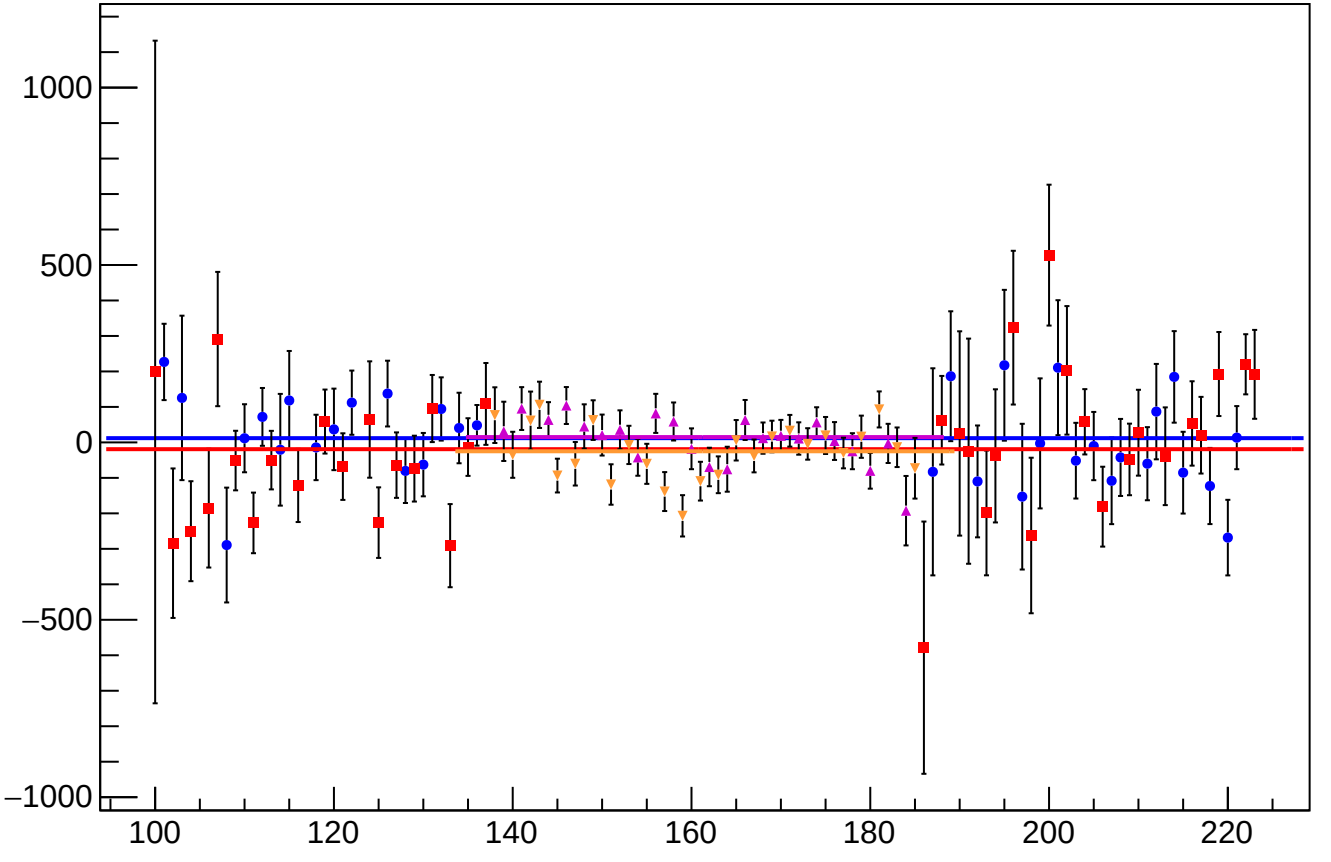
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 321.663+/-0.041 χ^2/NDF: 21622344.8/58

All: 319.931+/-0.029 χ^2/NDF: 44713786.4/12

- sign 318.183+/-0.042 χ^2/NDF: 23087929.2/61

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 11.967+/-18.812 χ^2/NDF: 32.8/33

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -19.106+/-18.978 χ^2/NDF: 63.8/38

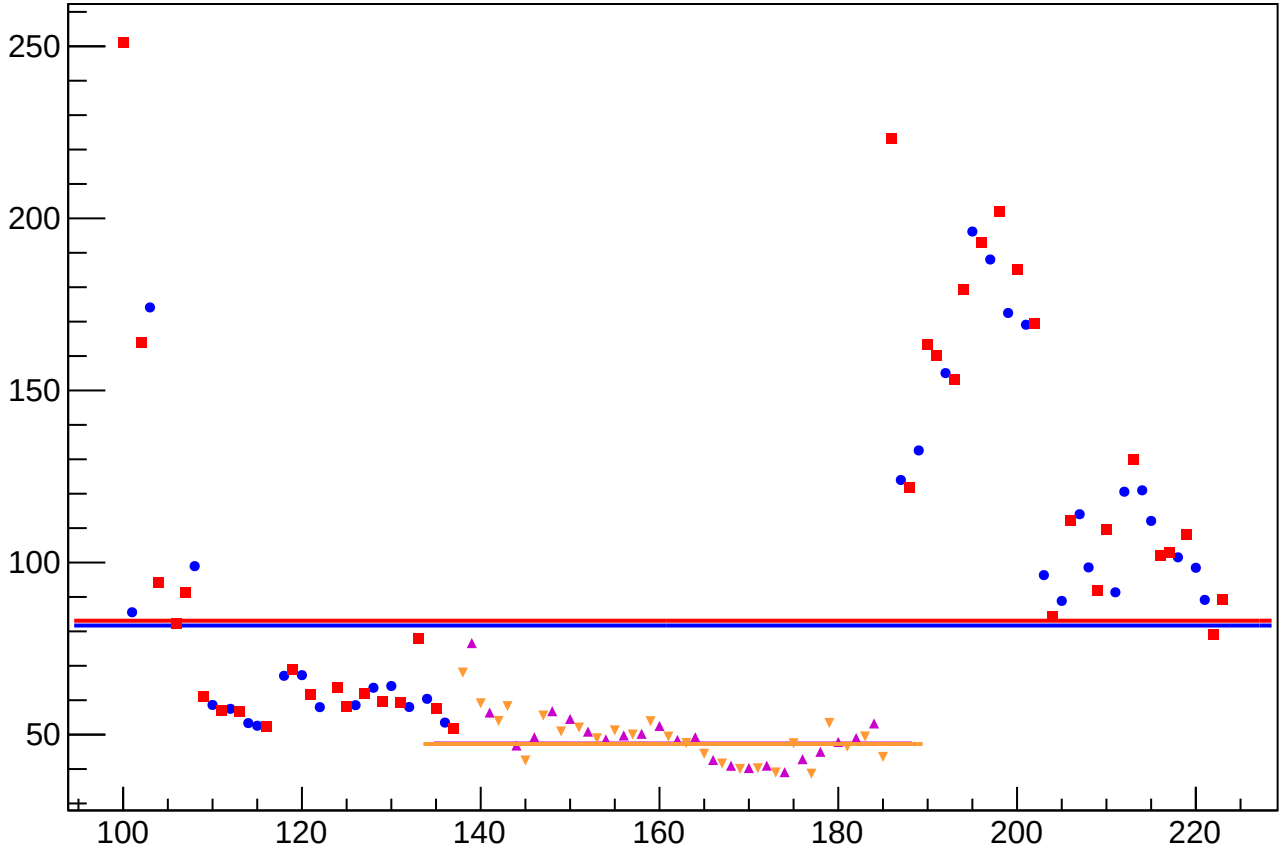
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -15.713+/-9.423 χ^2/NDF: 78.8/58

All: -5.043+/-6.744 χ^2/NDF: 172.4/120

- sign 6.163+/-9.657 χ^2/NDF: 90.9/61

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 81.699+/-0.013 χ^2/NDF: 5546116.3/33

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

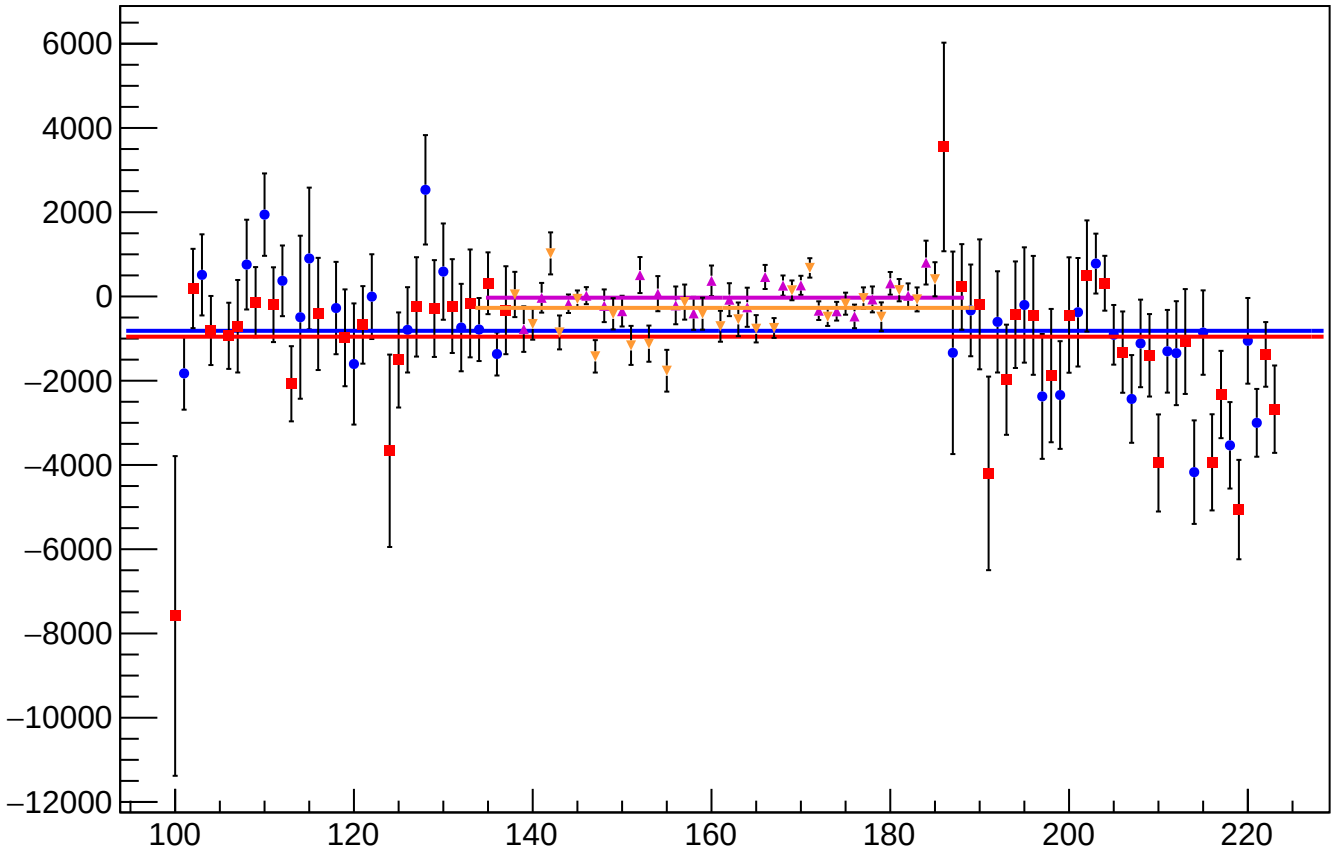
Right Out: 83.100+/-0.013 χ^2/NDF: 6493280.1/38

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.919+/-0.007 χ^2/NDF: 11277393.5/58

All: 56.281+/-0.005 χ^2/NDF: 23669890.0/120

- sign 56.663+/-0.007 χ^2/NDF: 12386417.7/61



Right In: -815.483+/-171.177 χ^2/NDF: 60.0/33

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -955.108+/-171.169 χ^2/NDF: 58.8/38

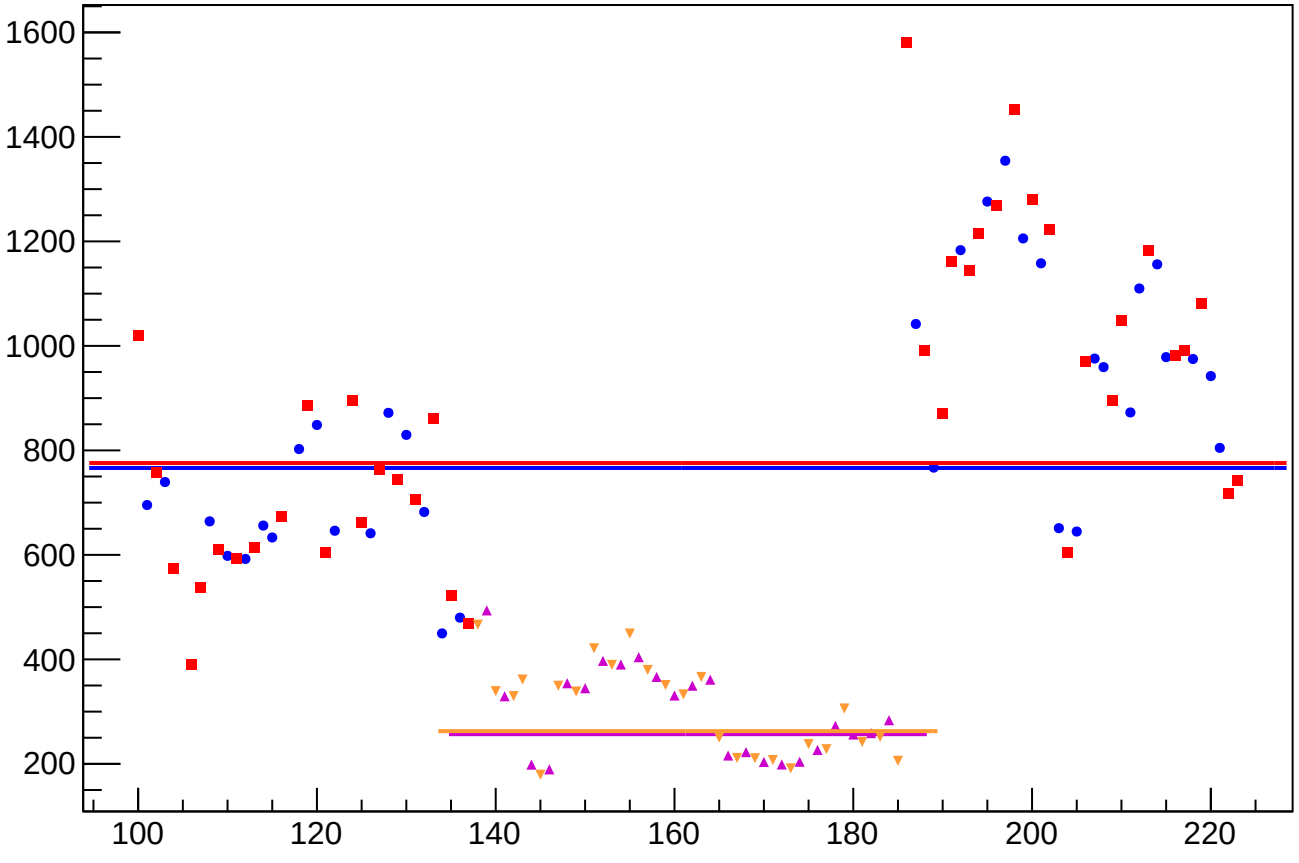
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -334.793+/-58.581 χ^2/NDF: 142.8/58

All: -237.171+/-41.518 χ^2/NDF: 257.4/120

- sign -138.651+/-58.850 χ^2/NDF: 109.0/61

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 766.306+/-0.121 χ^2/NDF: 3444242.2/33

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 775.772+/-0.121 χ^2/NDF: 4239526.3/38

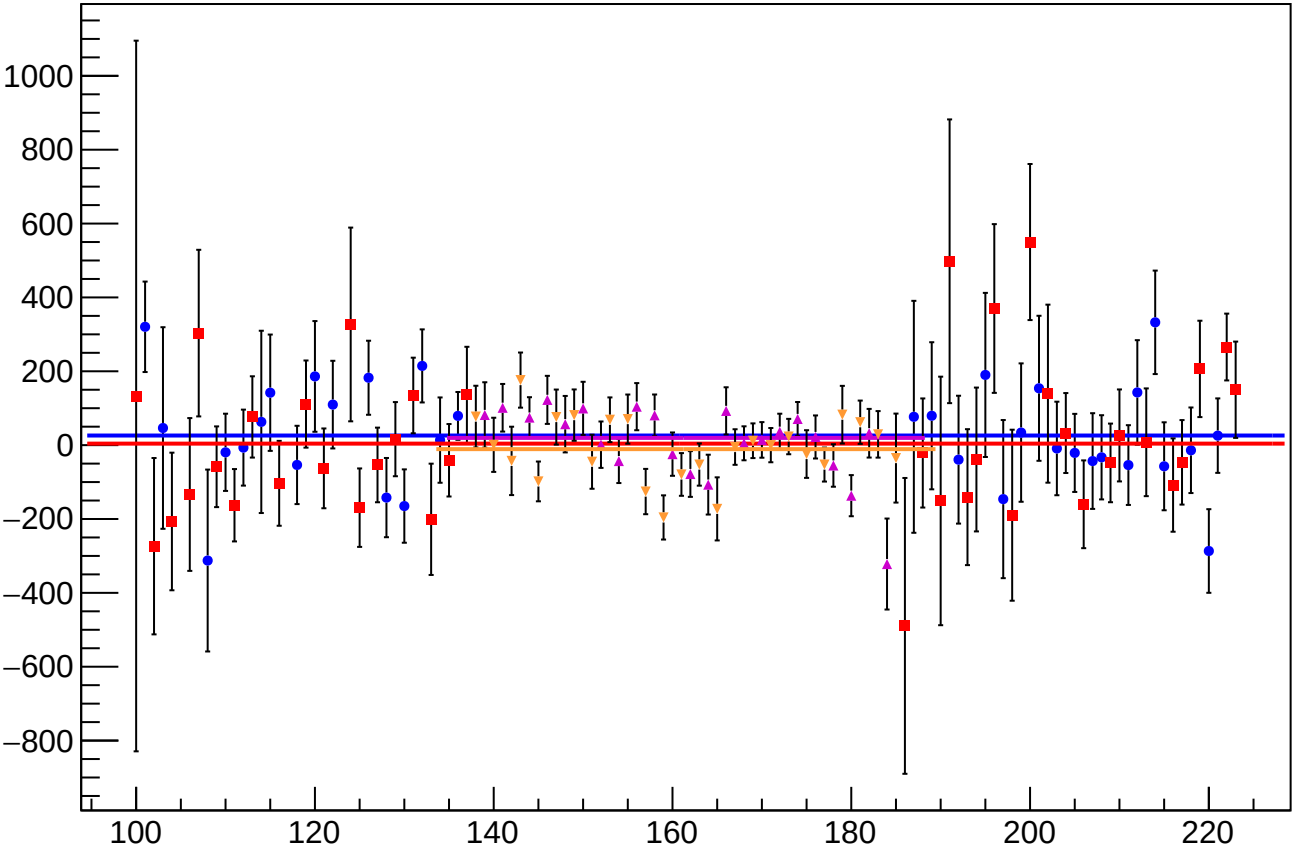
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 321.663+/-0.041 χ^2/NDF: 21622344.8/58

All: 319.931+/-0.029 χ^2/NDF: 44713786.4/12

- sign 318.183+/-0.042 χ^2/NDF: 23087929.2/61

dit_asym_sam_37_dd_mean vs Slug



Right In: 26.032+/-21.278 χ^2/NDF: 40.6/33

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 4.090+/-21.657 χ^2/NDF: 49.4/38

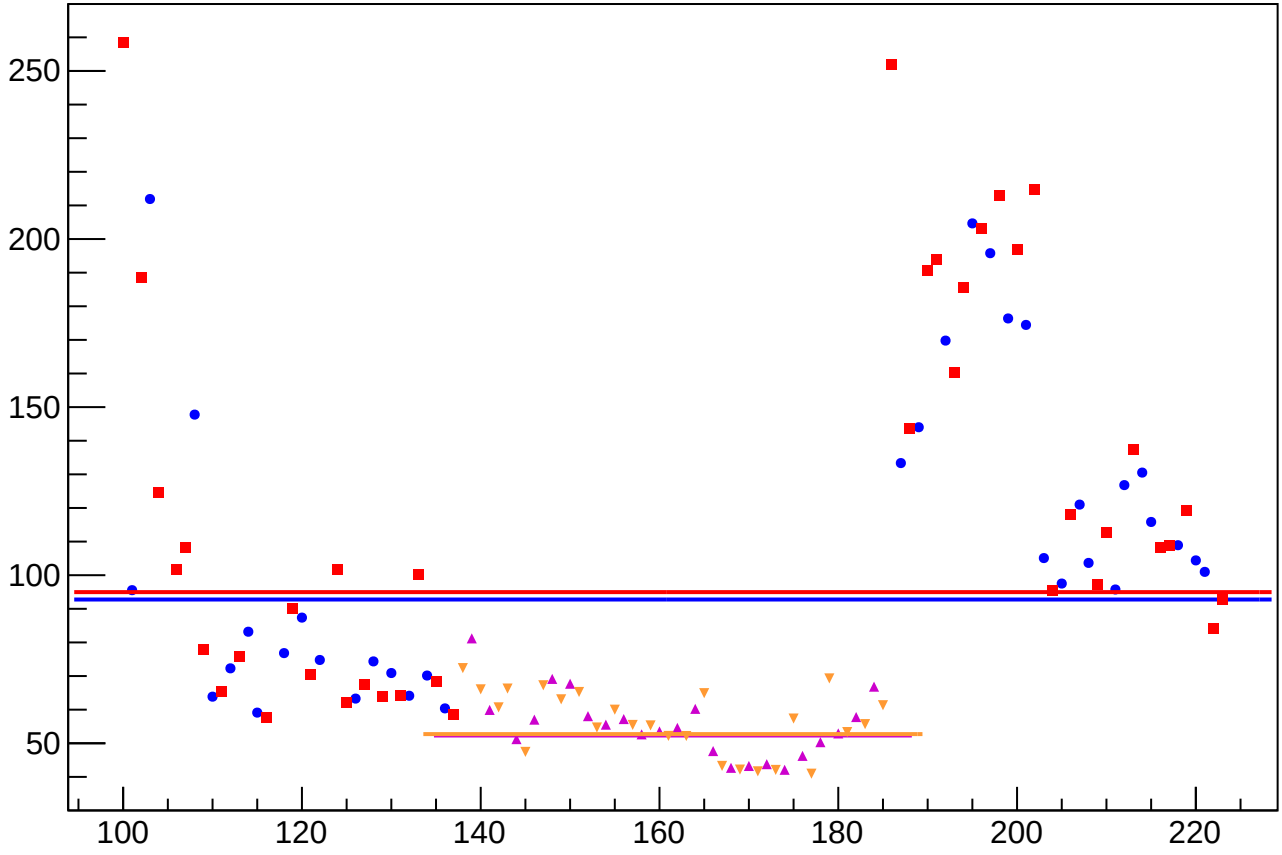
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -1.586+/-10.653 χ^2/NDF: 83.2/58

All: 6.894+/-7.603 χ^2/NDF: 171.1/120

- sign 15.701+/-10.856 χ^2/NDF: 86.6/61

dit_asym_sam_37_dd_rms vs Slug



Right In: 92.766+/-0.015 χ^2/NDF: 4798481.0/33

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 94.967+/-0.015 χ^2/NDF: 5923489.3/38

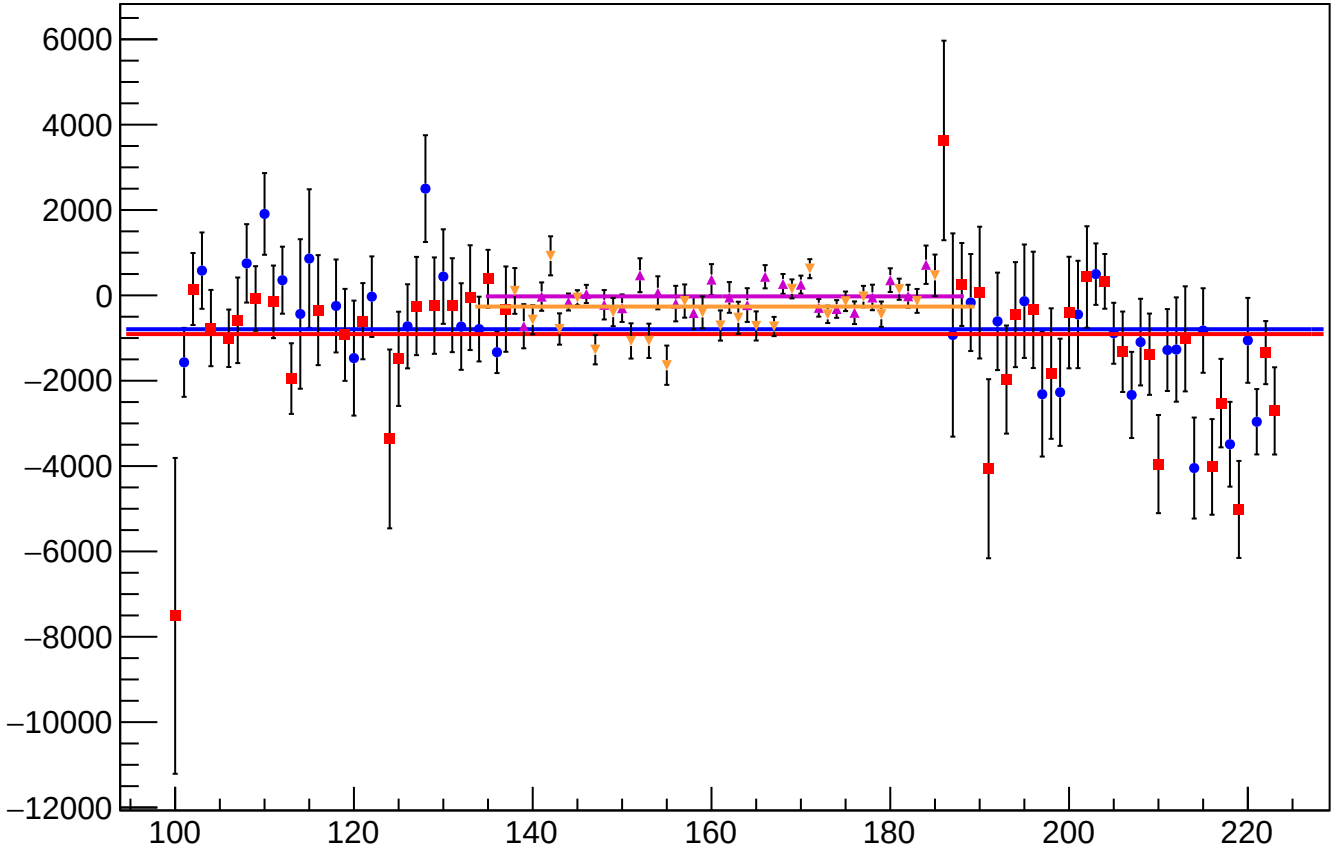
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 62.765+/-0.008 χ^2/NDF: 11271116.7/58

All: 62.896+/-0.005 χ^2/NDF: 23895765.7/120

- sign 63.031+/-0.008 χ^2/NDF: 12624038.2/61

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -793.253+/-165.865 χ^2/NDF: 60.0/33

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -907.568+/-163.765 χ^2/NDF: 64.5/38

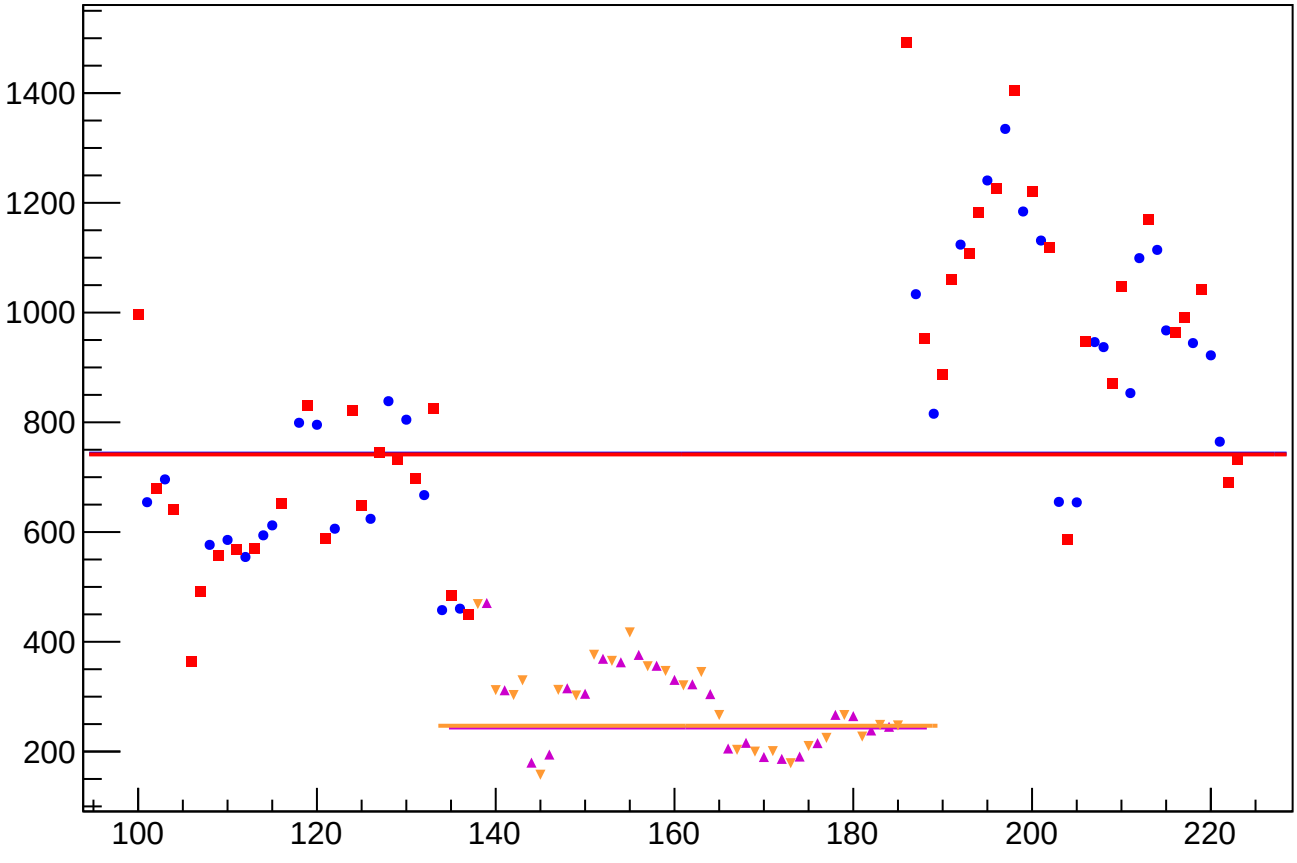
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -321.292+/-55.170 χ^2/NDF: 141.3/58

All: -224.944+/-39.245 χ^2/NDF: 261.9/120

- sign -126.250+/-55.837 χ^2/NDF: 114.4/61

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 742.905+/-0.117 χ^2/NDF: 3516940.2/33

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 741.504+/-0.116 χ^2/NDF: 4525597.4/38

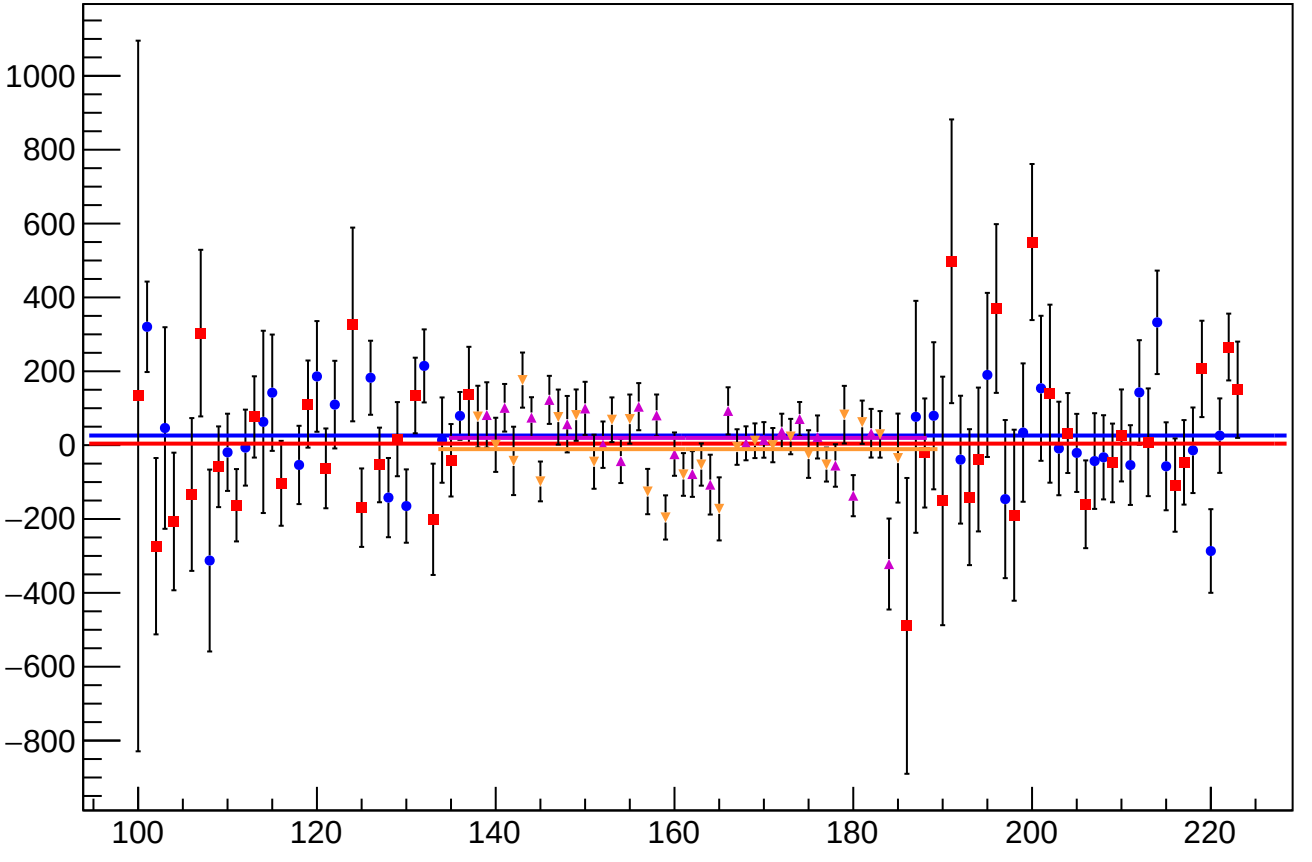
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 301.861+/-0.039 χ^2/NDF: 22342904.8/58

All: 301.773+/-0.028 χ^2/NDF: 45682629.9/12

- sign 301.683+/-0.039 χ^2/NDF: 23339714.8/61

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 26.032+/-21.278 χ^2/NDF: 40.6/33

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 4.091+/-21.657 χ^2/NDF: 49.4/38

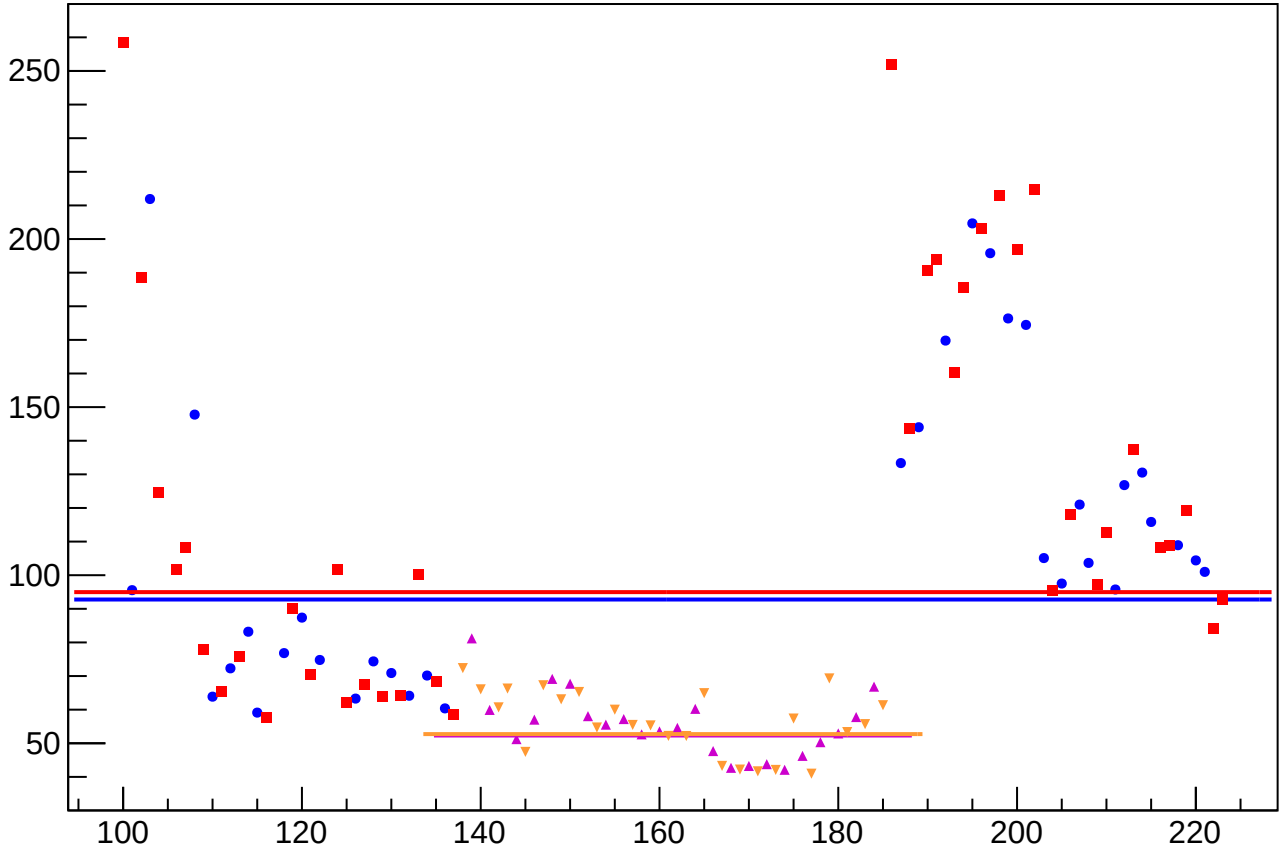
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -1.585+/-10.653 χ^2/NDF: 83.2/58

All: 6.895+/-7.603 χ^2/NDF: 171.1/120

- sign 15.701+/-10.856 χ^2/NDF: 86.6/61

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 92.766+/-0.015 χ^2/NDF: 4798514.7/33

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

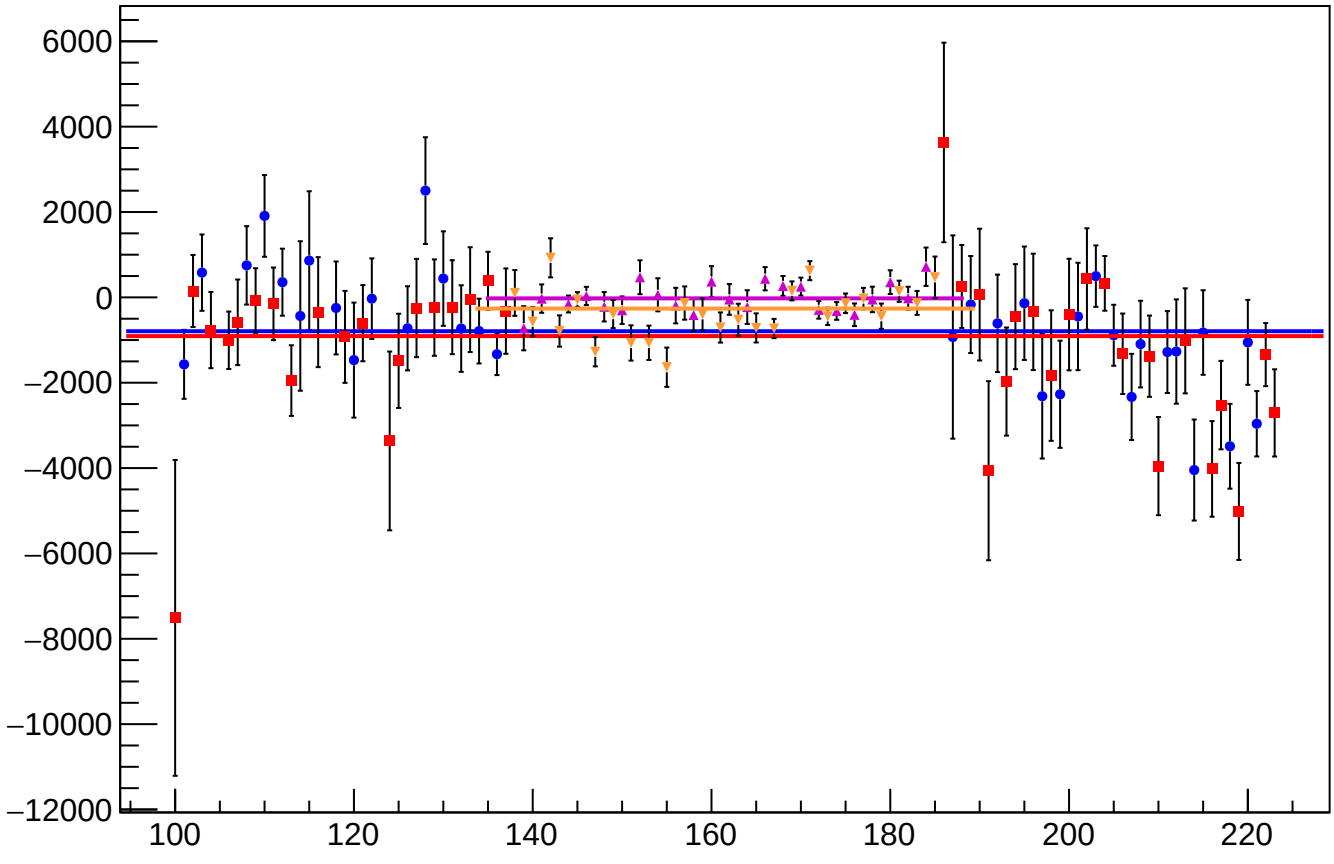
Right Out: 94.967+/-0.015 χ^2/NDF: 5923492.7/38

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 62.765+/-0.008 χ^2/NDF: 11271127.7/58

All: 62.896+/-0.005 χ^2/NDF: 23895752.7/120

- sign 63.031+/-0.008 χ^2/NDF: 12624014.3/61



Right In: -793.253+/-165.865 χ^2/NDF: 60.0/33

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -907.568+/-163.765 χ^2/NDF: 64.5/38

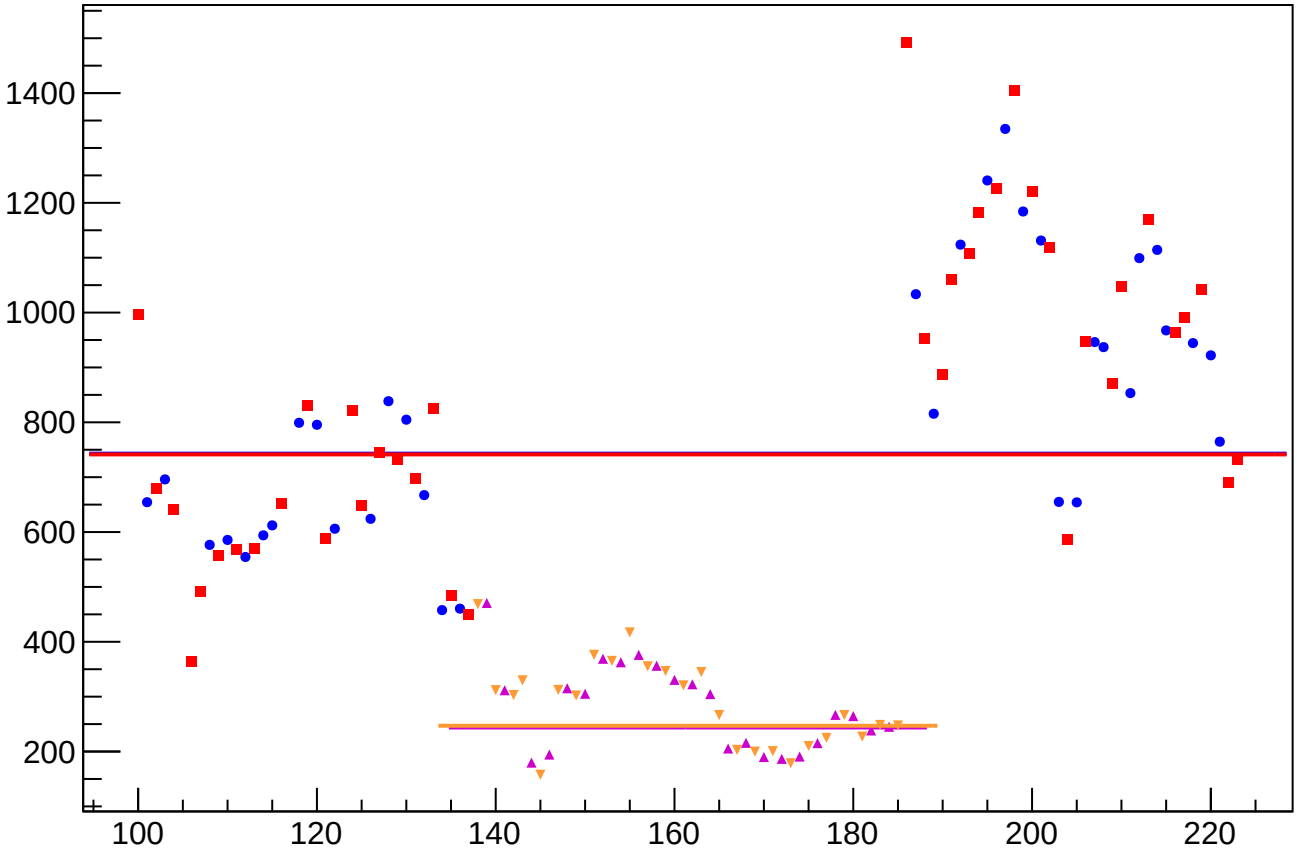
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -321.293+/-55.170 χ^2/NDF: 141.3/58

All: -224.944+/-39.245 χ^2/NDF: 261.9/120

- sign -126.250+/-55.837 χ^2/NDF: 114.4/61

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 742.905+/-0.117 χ^2/NDF: 3516920.1/33

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 741.504+/-0.116 χ^2/NDF: 4525587.4/38

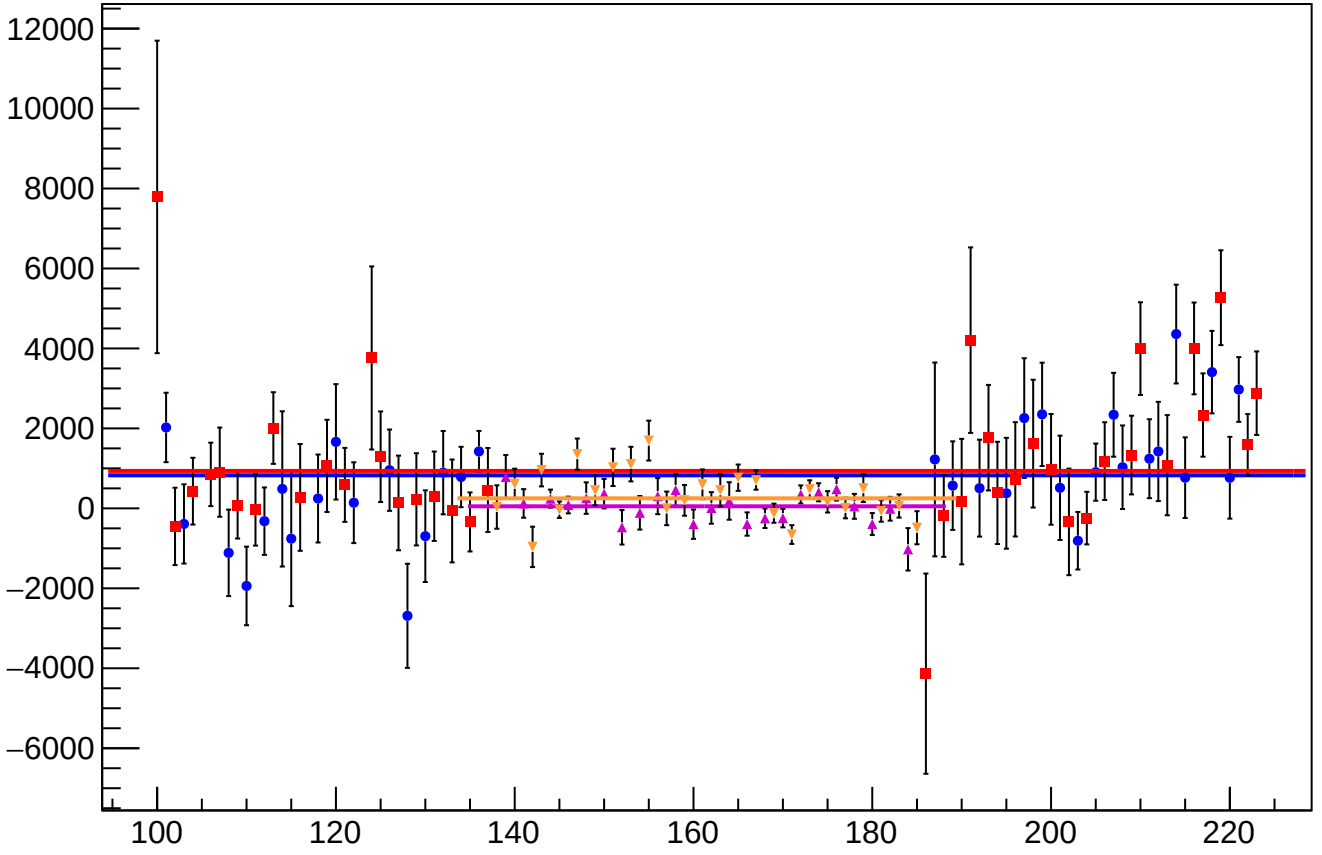
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

\+ sign 301.860+/-0.039 χ^2/NDF: 22342891.0/58

All: 301.772+/-0.028 χ^2/NDF: 45682609.0/12

\- sign 301.682+/-0.039 χ^2/NDF: 23339707.7/61

asym_sam_37_dd_mean vs Slug



Right In: 826.593+/-172.571 χ^2/NDF: 60.6/33

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 936.594+/-172.588 χ^2/NDF: 62.3/38

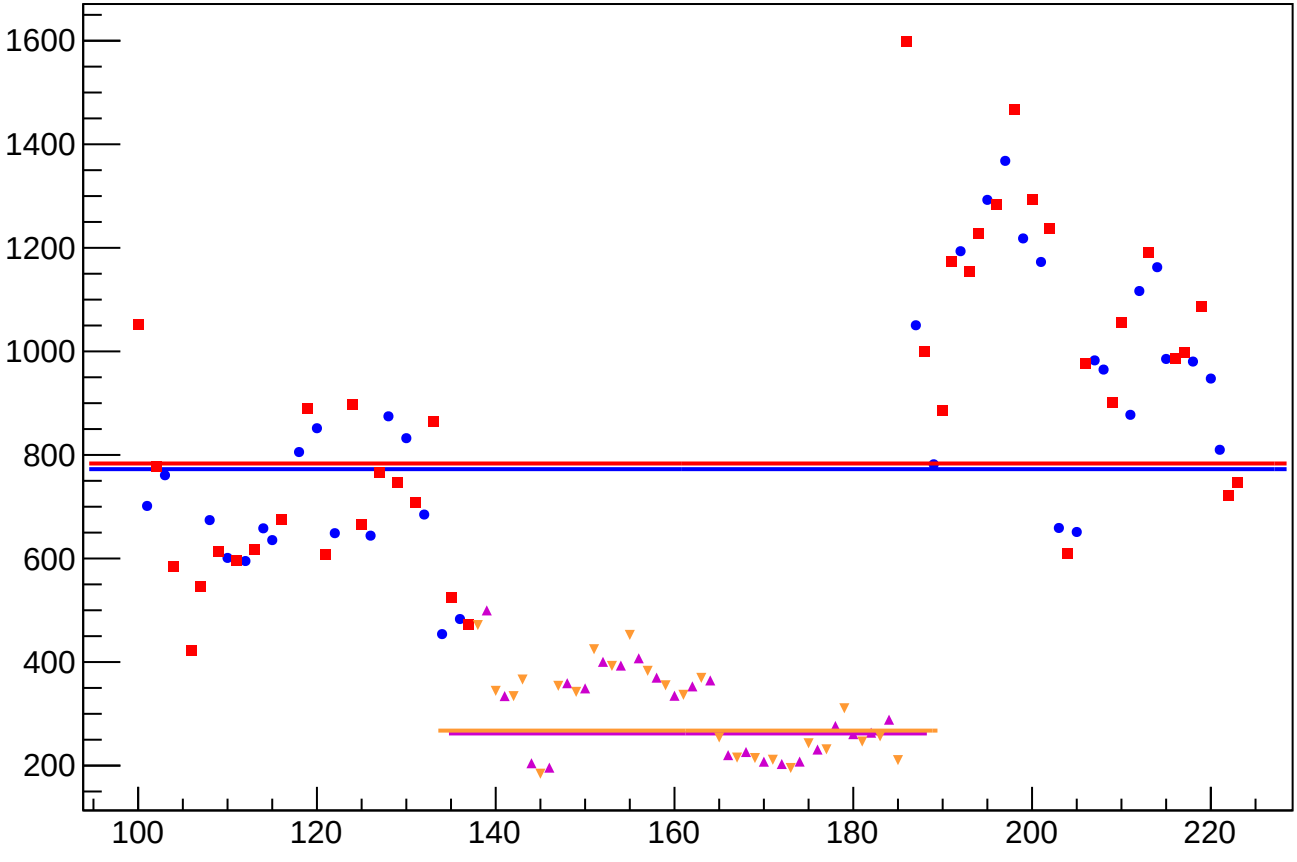
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 319.591+/-59.530 χ^2/NDF: 137.9/58

All: 239.374+/-42.217 χ^2/NDF: 253.8/120

- sign 158.218+/-59.878 χ^2/NDF: 112.2/61

asym_sam_37_dd_rms vs Slug



Right In: 772.559+/-0.122 χ^2/NDF: 3447021.1/33

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

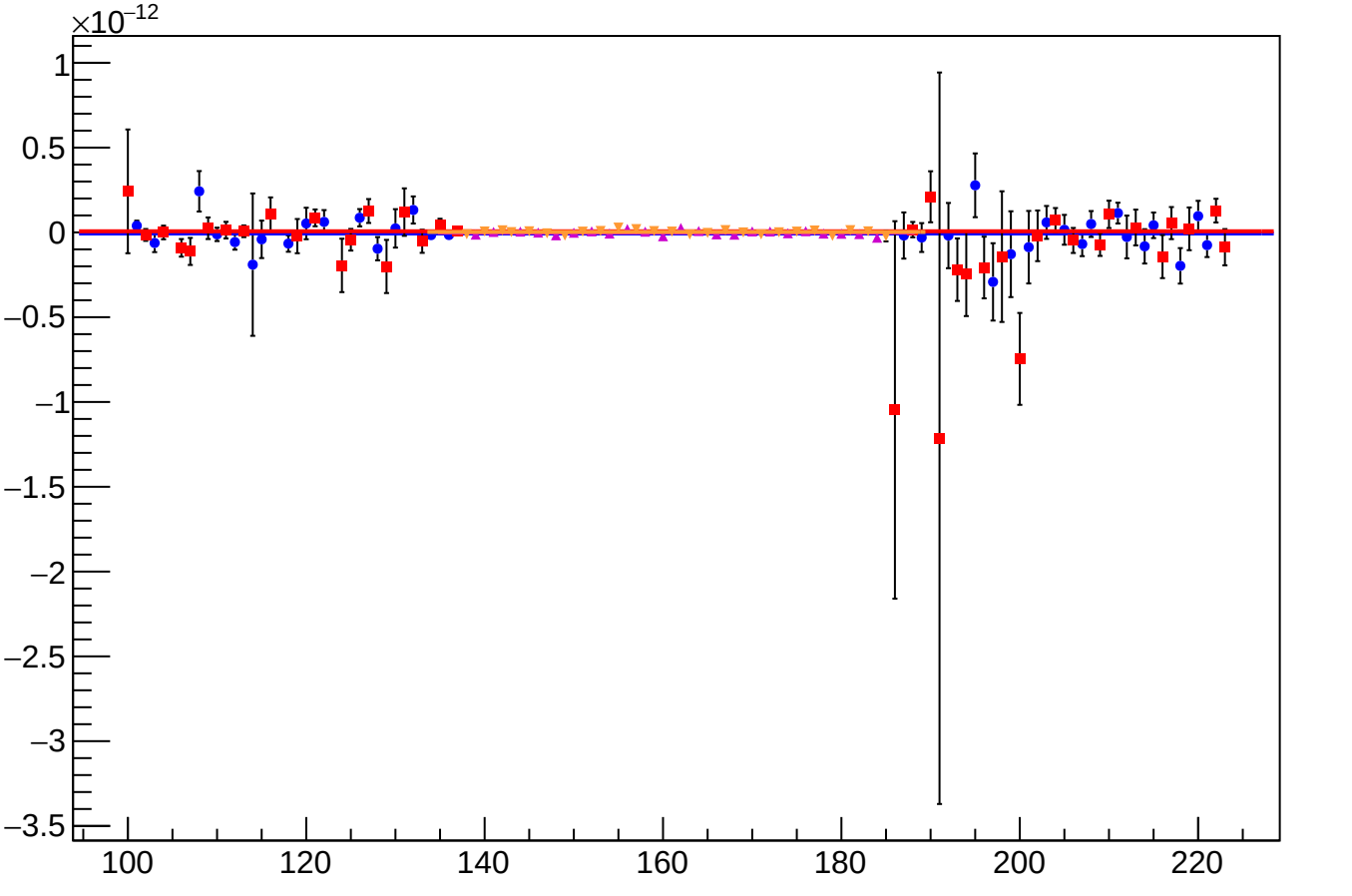
Right Out: 783.479+/-0.122 χ^2/NDF: 4175567.5/38

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 327.680+/-0.042 χ^2/NDF: 21335411.1/58

All: 326.273+/-0.030 χ^2/NDF: 44106397.6/12

- sign 324.850+/-0.042 χ^2/NDF: 22768740.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

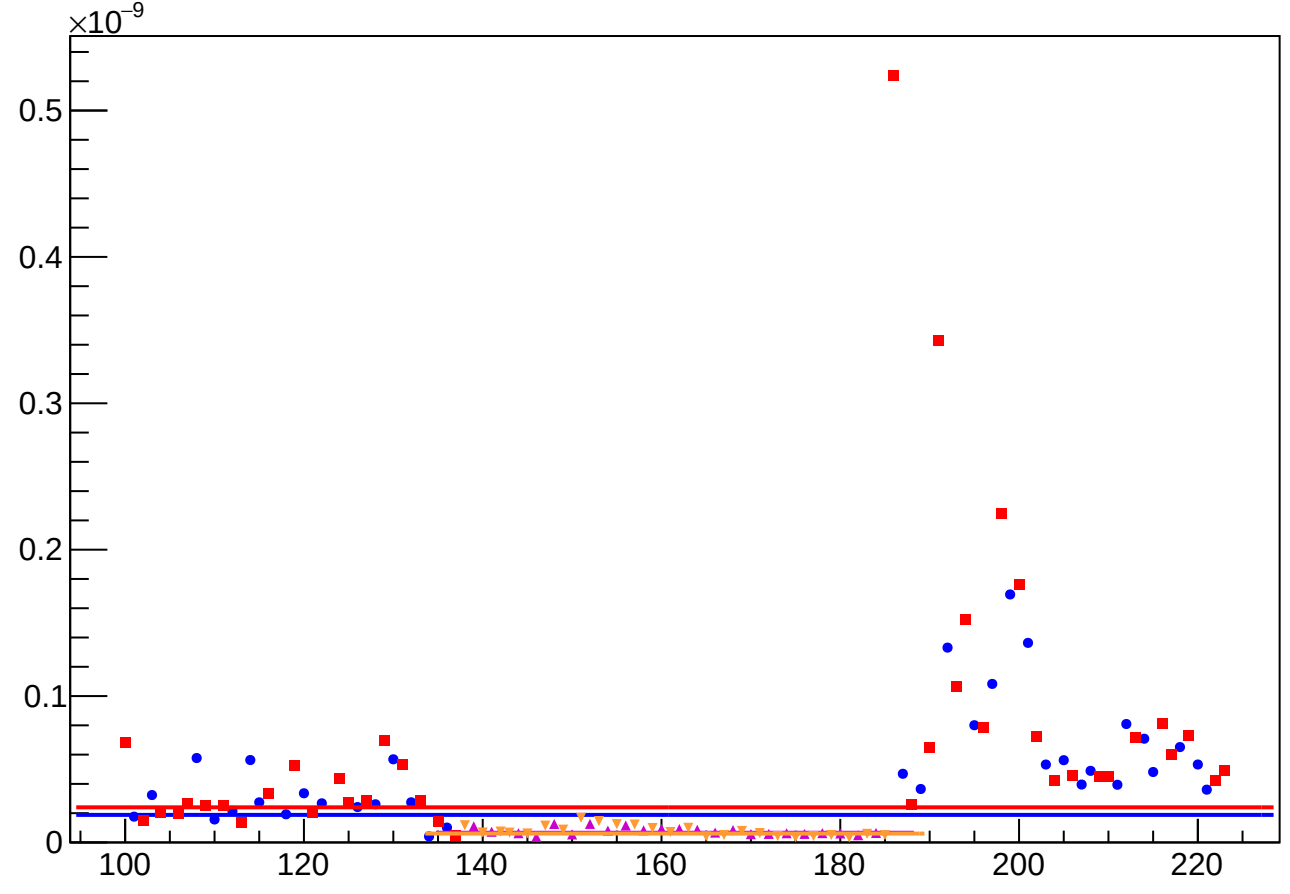
Right Out: 0.000+/-0.000 χ^2/NDF: 44.7/38

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.7/58

All: 0.000+/-0.000 χ^2/NDF: 111.8/120

- sign -0.000+/-0.000 χ^2/NDF: 57.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 8962224.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7739316.5/38

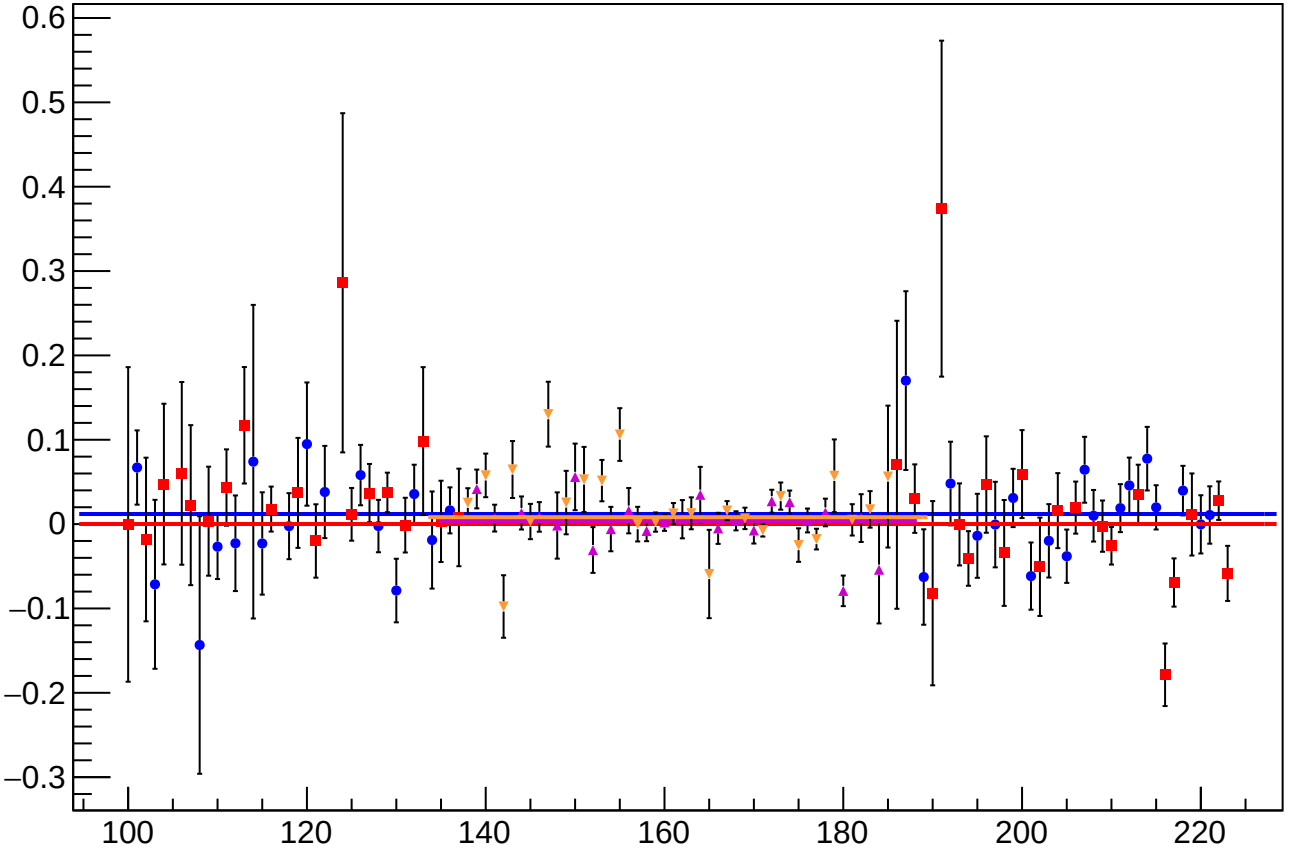
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15385943.2/58

All: 0.000+/-0.000 χ^2/NDF: 29780893.8/120

- sign 0.000+/-0.000 χ^2/NDF: 14310127.6/61

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/33

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.000+/-0.007 χ^2/NDF: 58.6/38

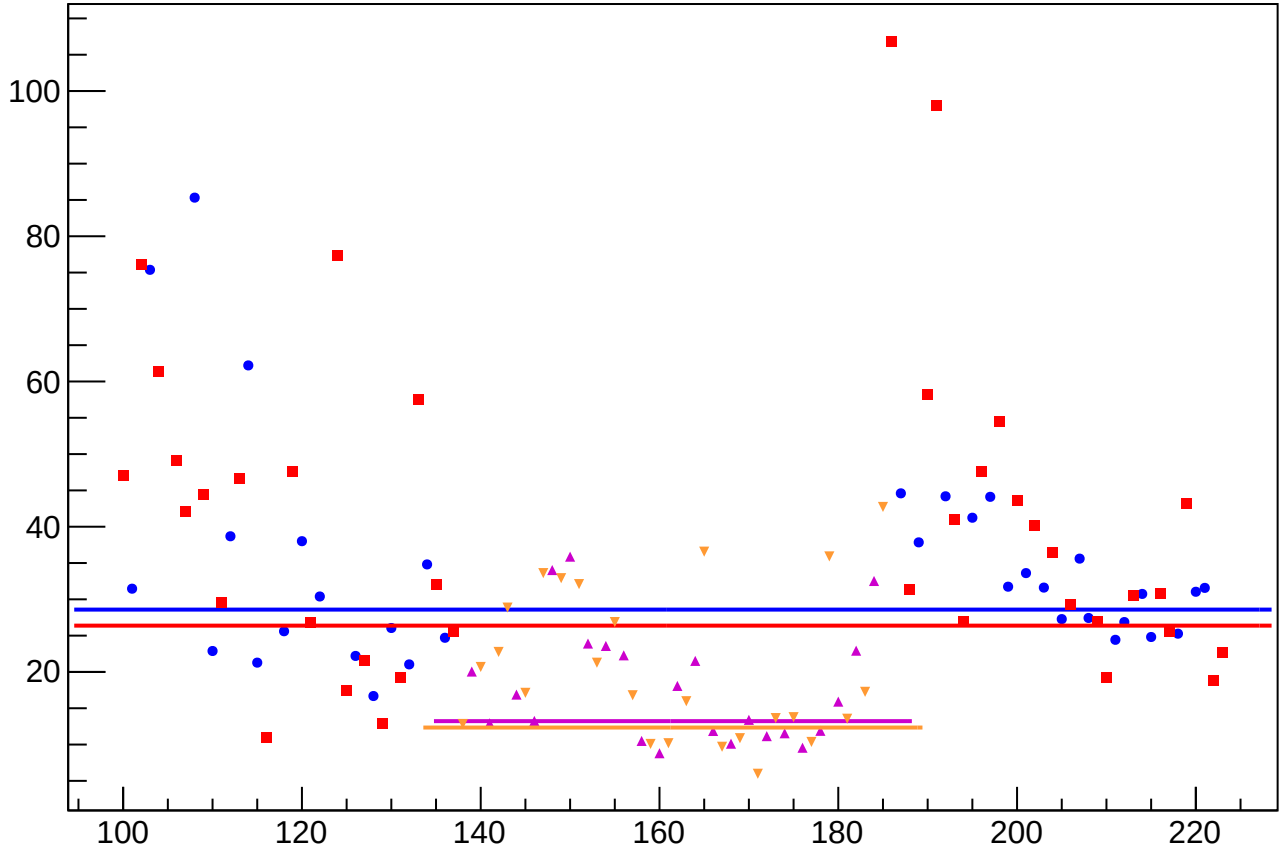
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/58

All: 0.006+/-0.002 χ^2/NDF: 190.9/120

- sign 0.003+/-0.003 χ^2/NDF: 96.1/61

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.586+/-0.005 χ^2/NDF: 2384483.8/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.377+/-0.005 χ^2/NDF: 6513410.8/38

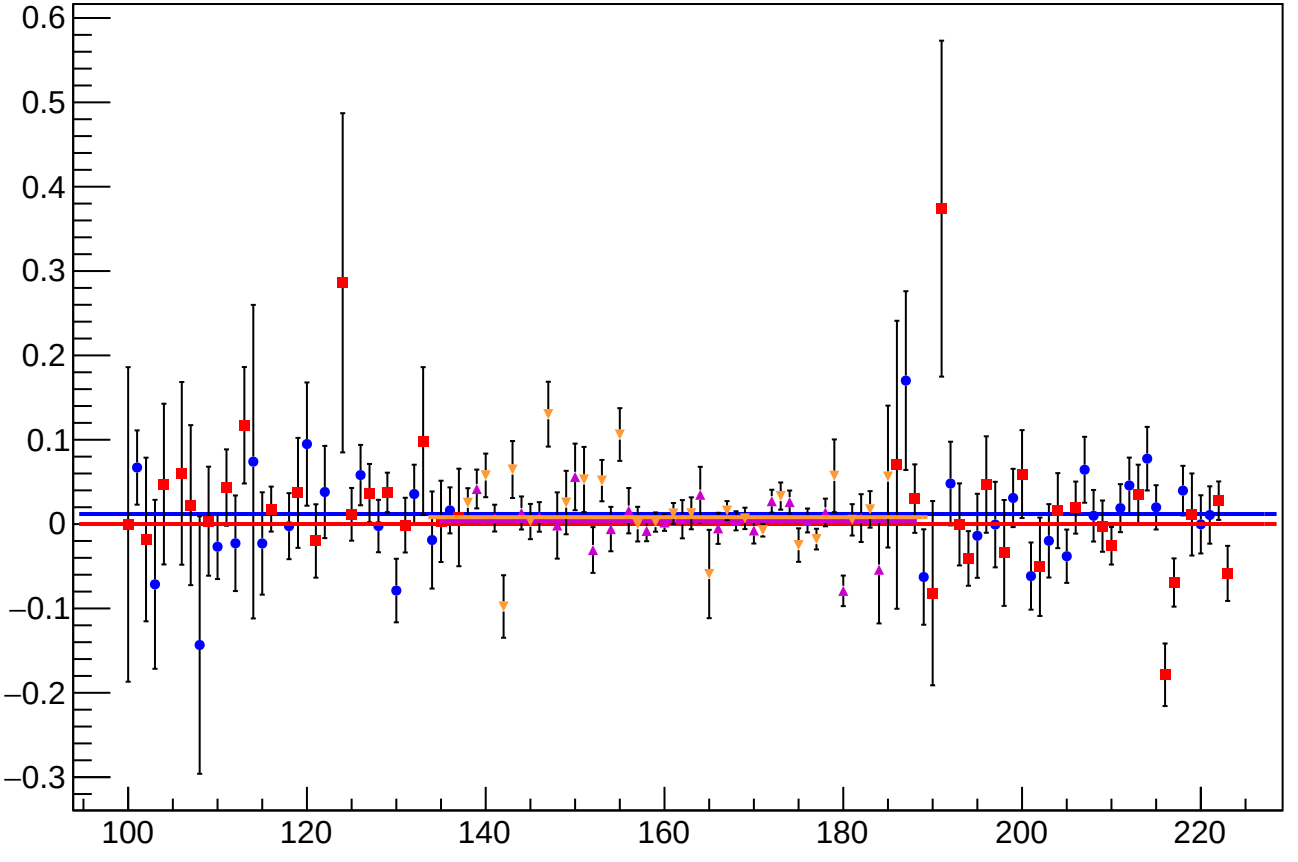
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.672+/-0.002 χ^2/NDF: 18193190.6/58

All: 15.975+/-0.002 χ^2/NDF: 34741097.8/120

- sign 16.299+/-0.002 χ^2/NDF: 16507832.3/61

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/33

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.000+/-0.007 χ^2/NDF: 58.6/38

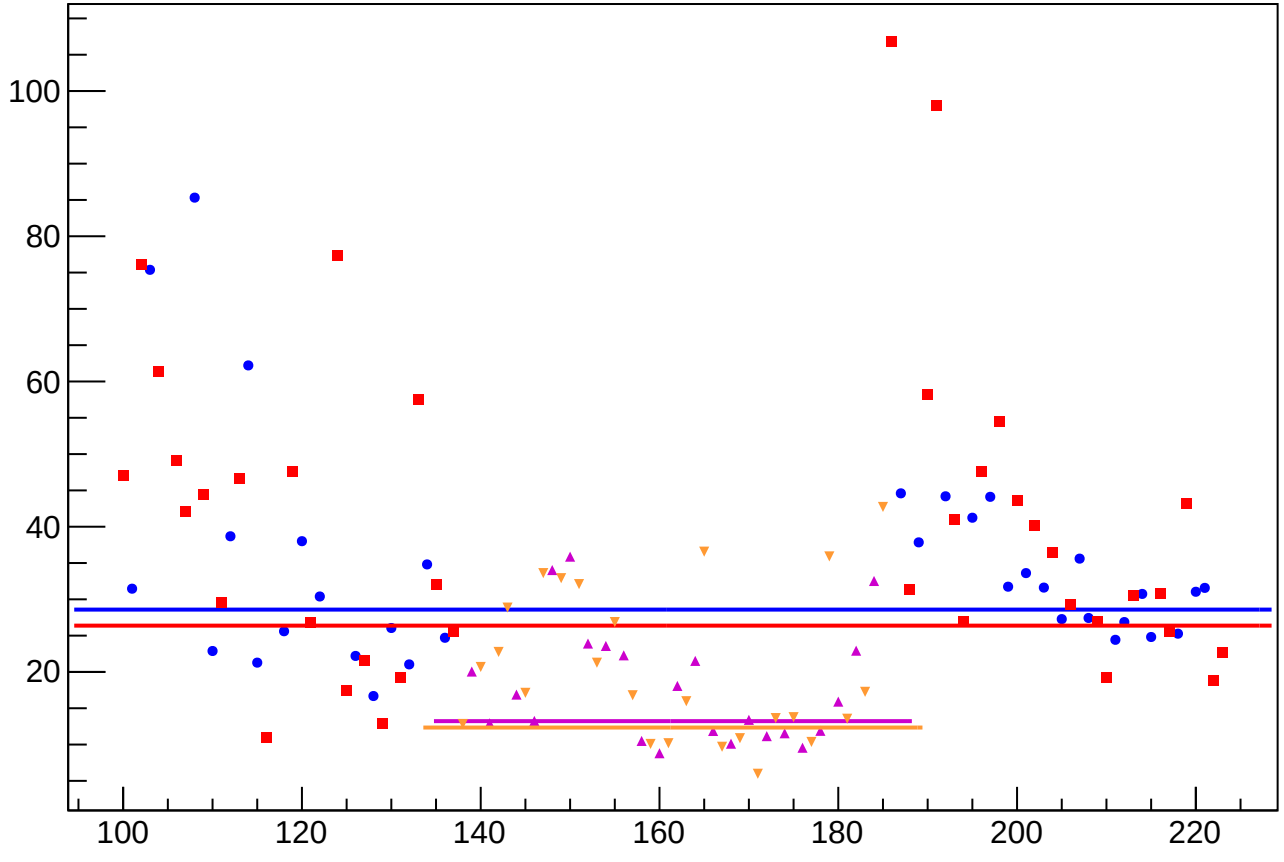
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/58

All: 0.006+/-0.002 χ^2/NDF: 190.9/120

- sign 0.003+/-0.003 χ^2/NDF: 96.1/61

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.586+/-0.005 χ^2/NDF: 2384483.8/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

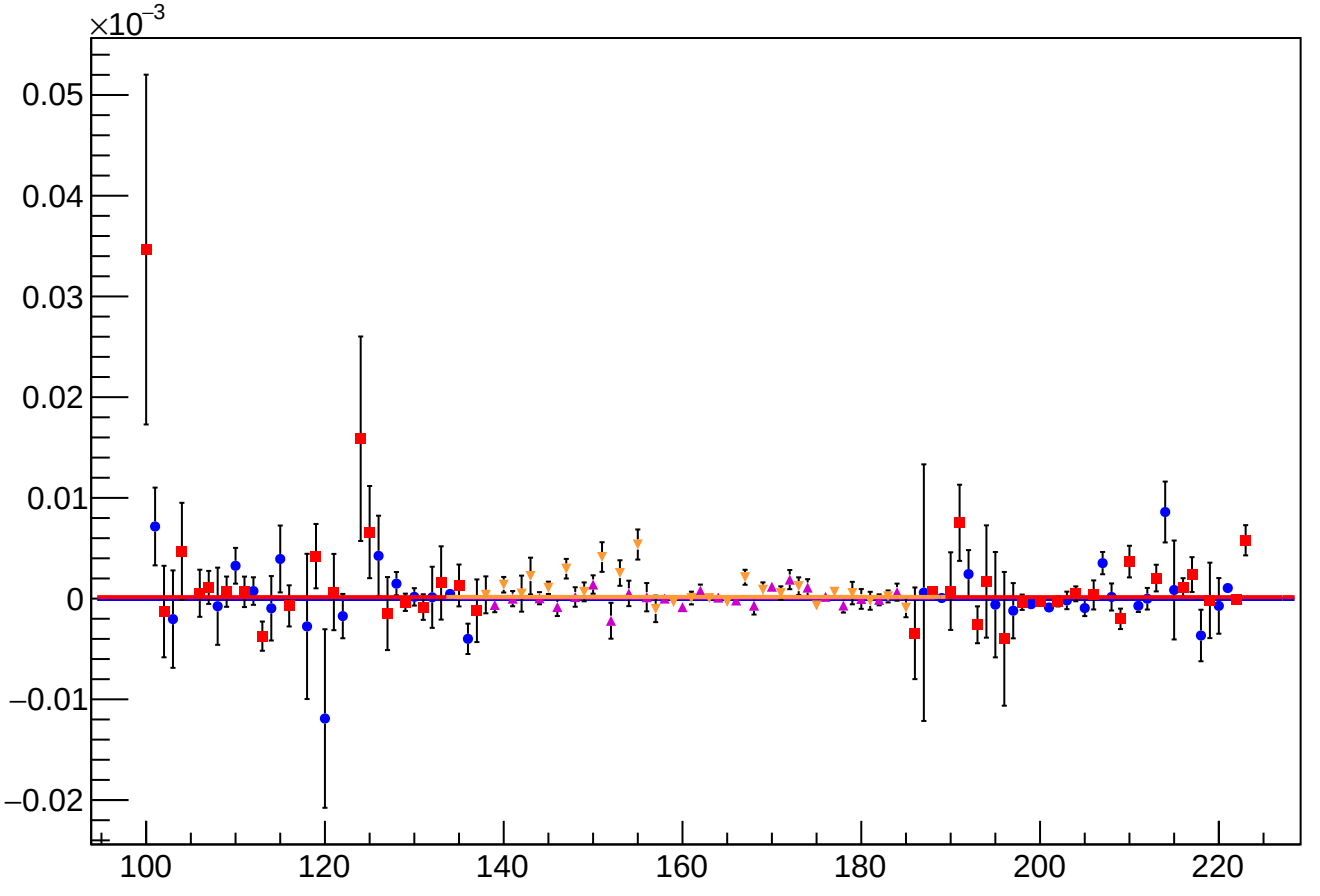
Right Out: 26.377+/-0.005 χ^2/NDF: 6513410.8/38

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 15.672+/-0.002 χ^2/NDF: 18193190.6/58

All: 15.975+/-0.002 χ^2/NDF: 34741097.8/120

\- sign 16.299+/-0.002 χ^2/NDF: 16507832.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 58.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

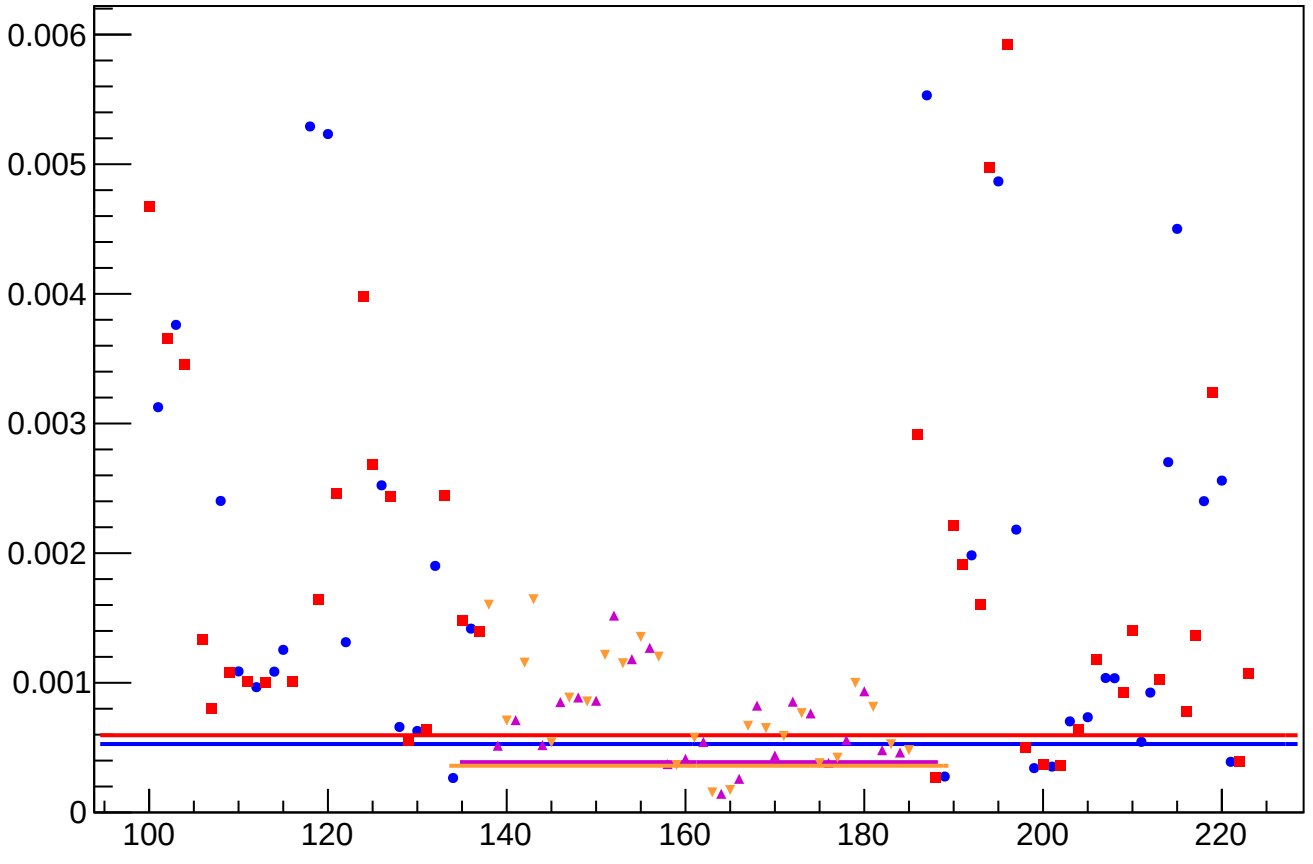
Right Out: 0.000+/-0.000 χ^2/NDF: 60.7/38

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 121.6/58

All: 0.000+/-0.000 χ^2/NDF: 206.9/120

- sign 0.000+/-0.000 χ^2/NDF: 85.3/61



Right In: 0.001+/-0.000 χ^2/NDF: 17312952.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

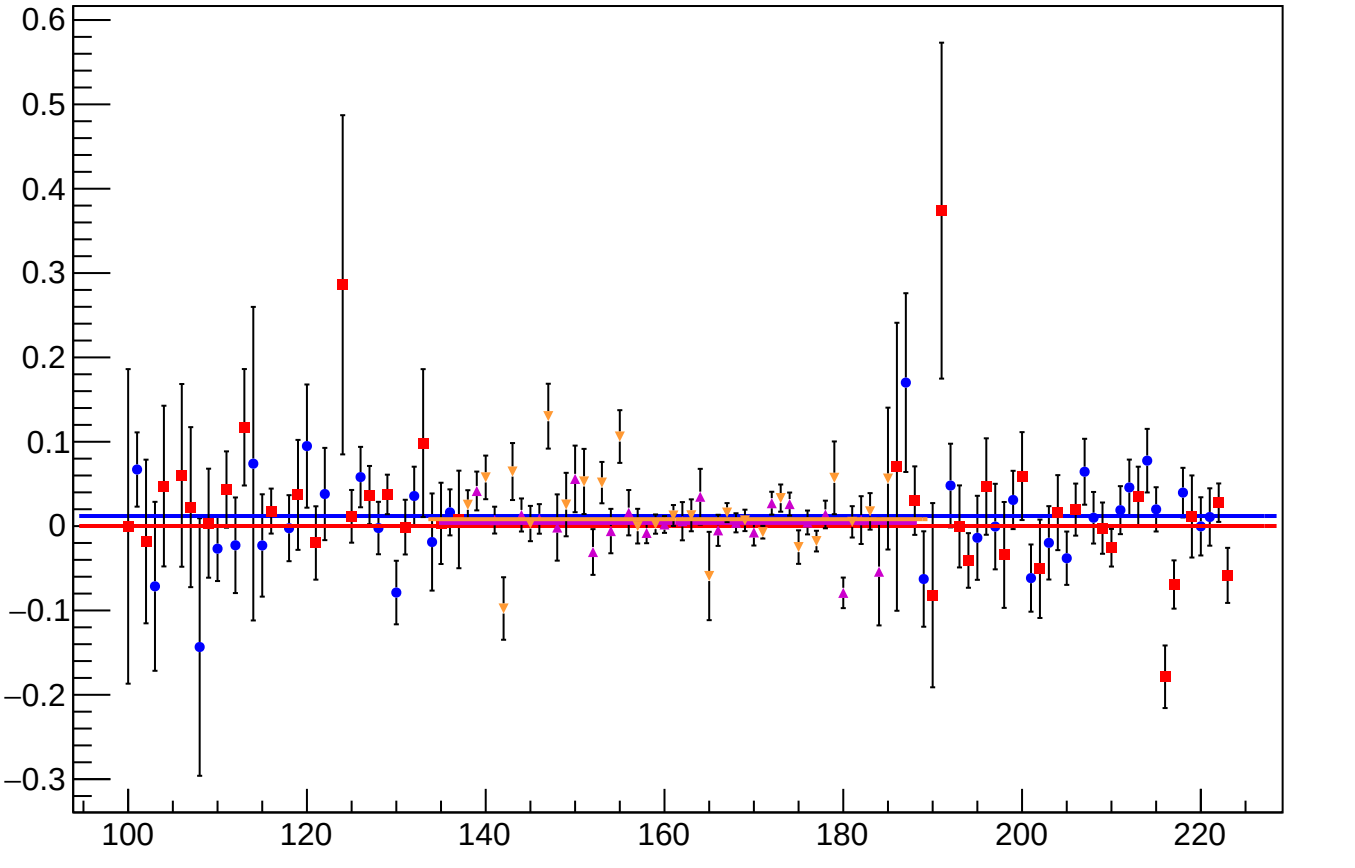
Right Out: 0.001+/-0.000 χ^2/NDF: 15165536.5/38

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 32900689.4/58

All: 0.000+/-0.000 χ^2/NDF: 60755075.1/120

- sign 0.000+/-0.000 χ^2/NDF: 27672535.5/61



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/33

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

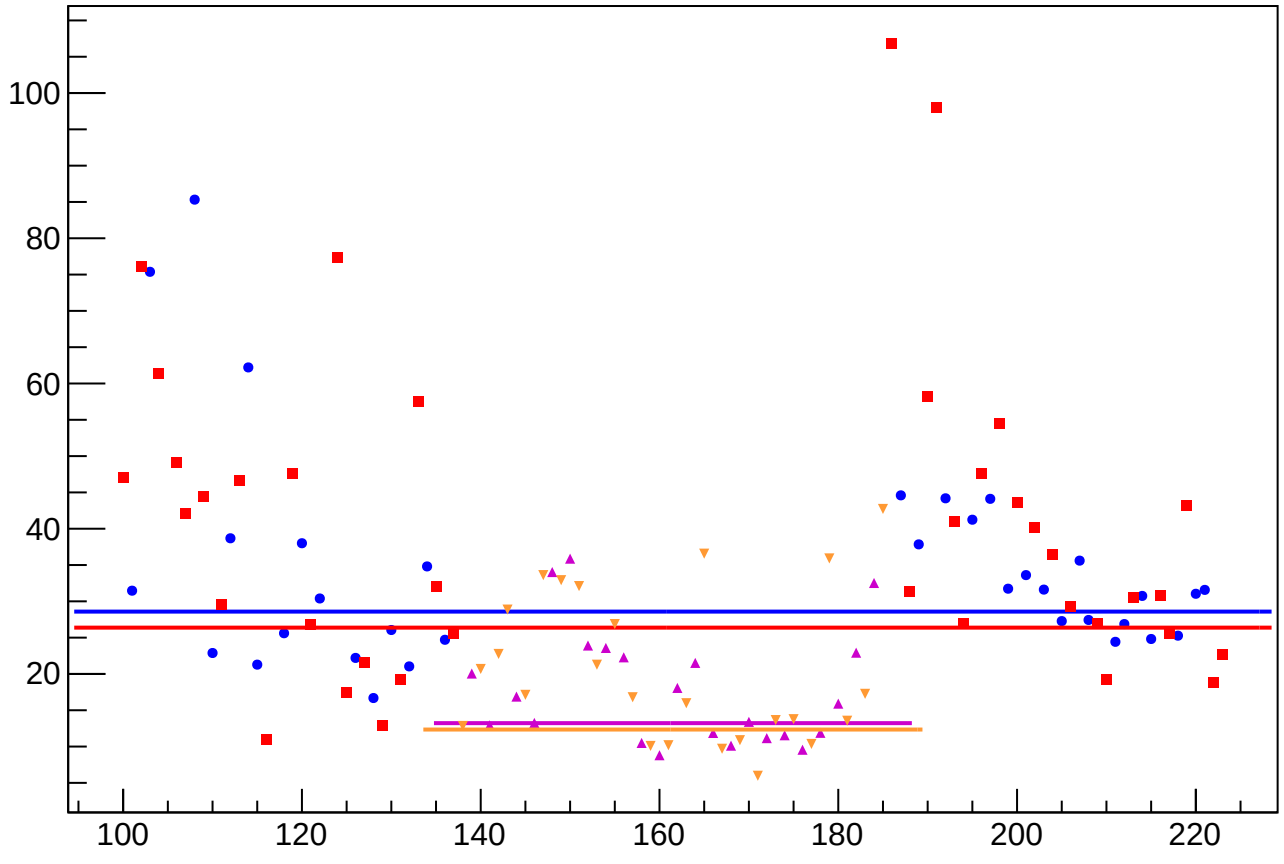
Right Out: 0.000+/-0.007 χ^2/NDF: 58.6/38

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/58

All: 0.006+/-0.002 χ^2/NDF: 190.9/120

- sign 0.003+/-0.003 χ^2/NDF: 96.1/61



Right In: 28.586+/-0.005 χ^2/NDF: 2384350.7/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

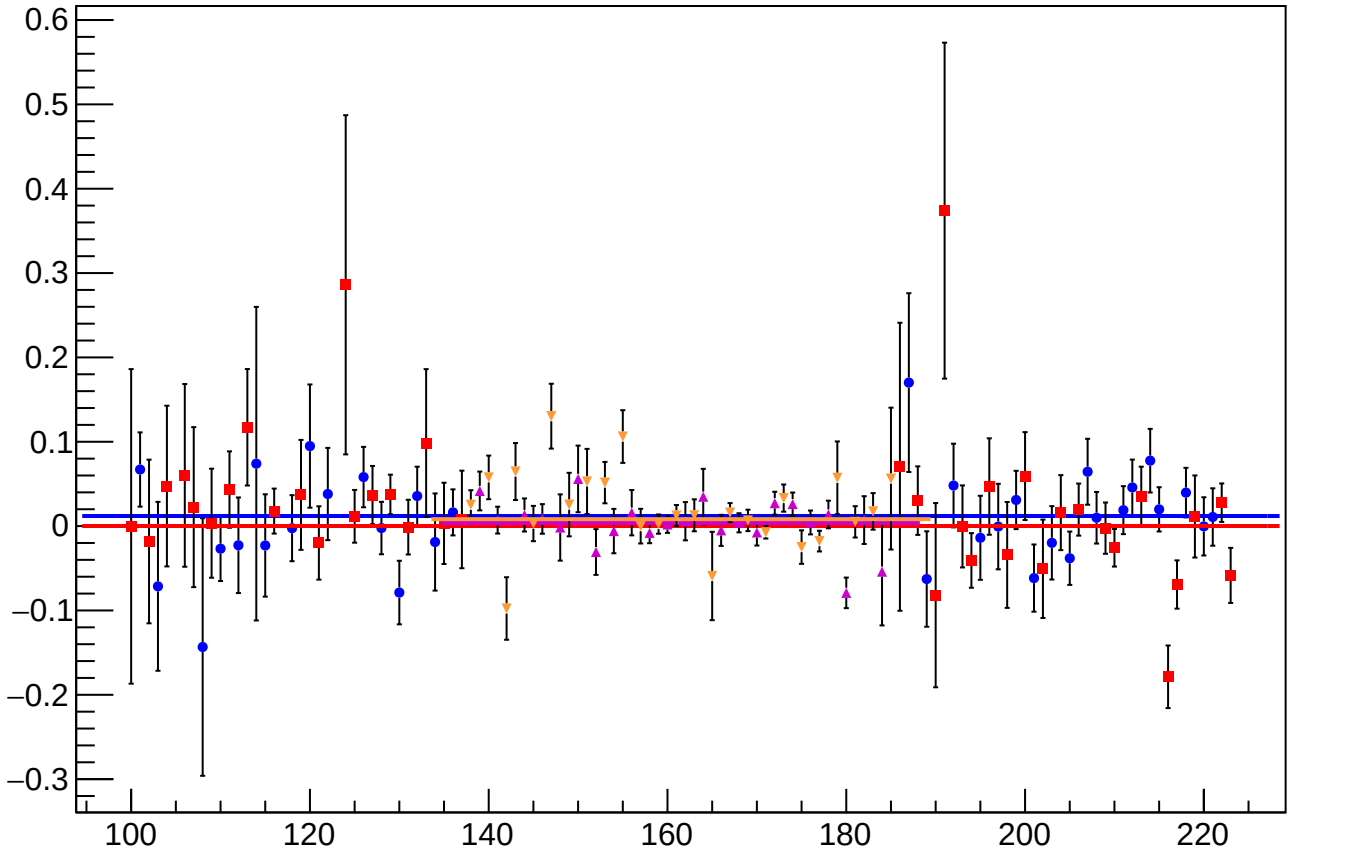
Right Out: 26.378+/-0.005 χ^2/NDF: 6513133.8/38

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.672+/-0.002 χ^2/NDF: 18193494.0/58

All: 15.975+/-0.002 χ^2/NDF: 34741525.9/120

- sign 16.299+/-0.002 χ^2/NDF: 16507961.0/61



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/33

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

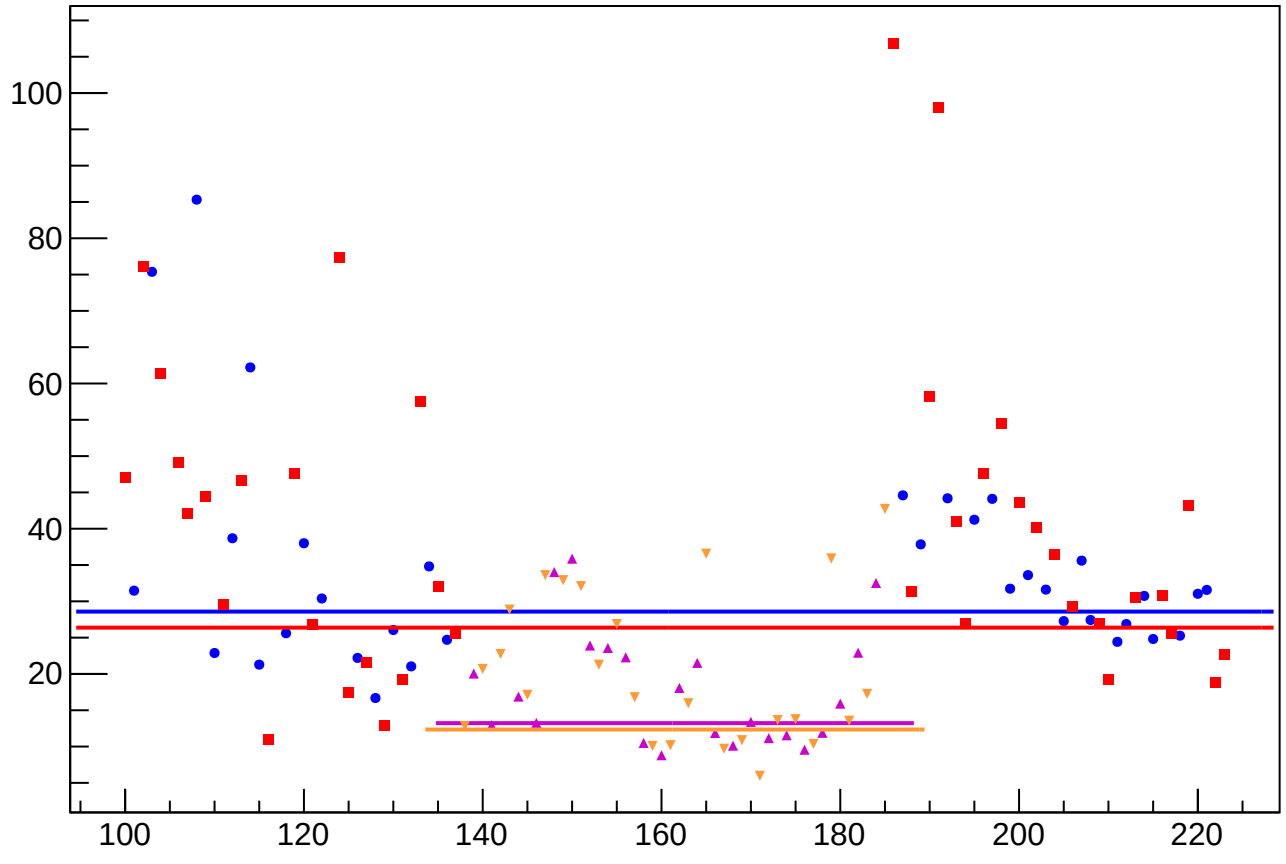
Right Out: 0.000+/-0.007 χ^2/NDF: 58.6/38

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/58

All: 0.006+/-0.002 χ^2/NDF: 190.9/120

- sign 0.003+/-0.003 χ^2/NDF: 96.1/61



Right In: 28.586+/-0.005 χ^2/NDF: 2384350.7/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

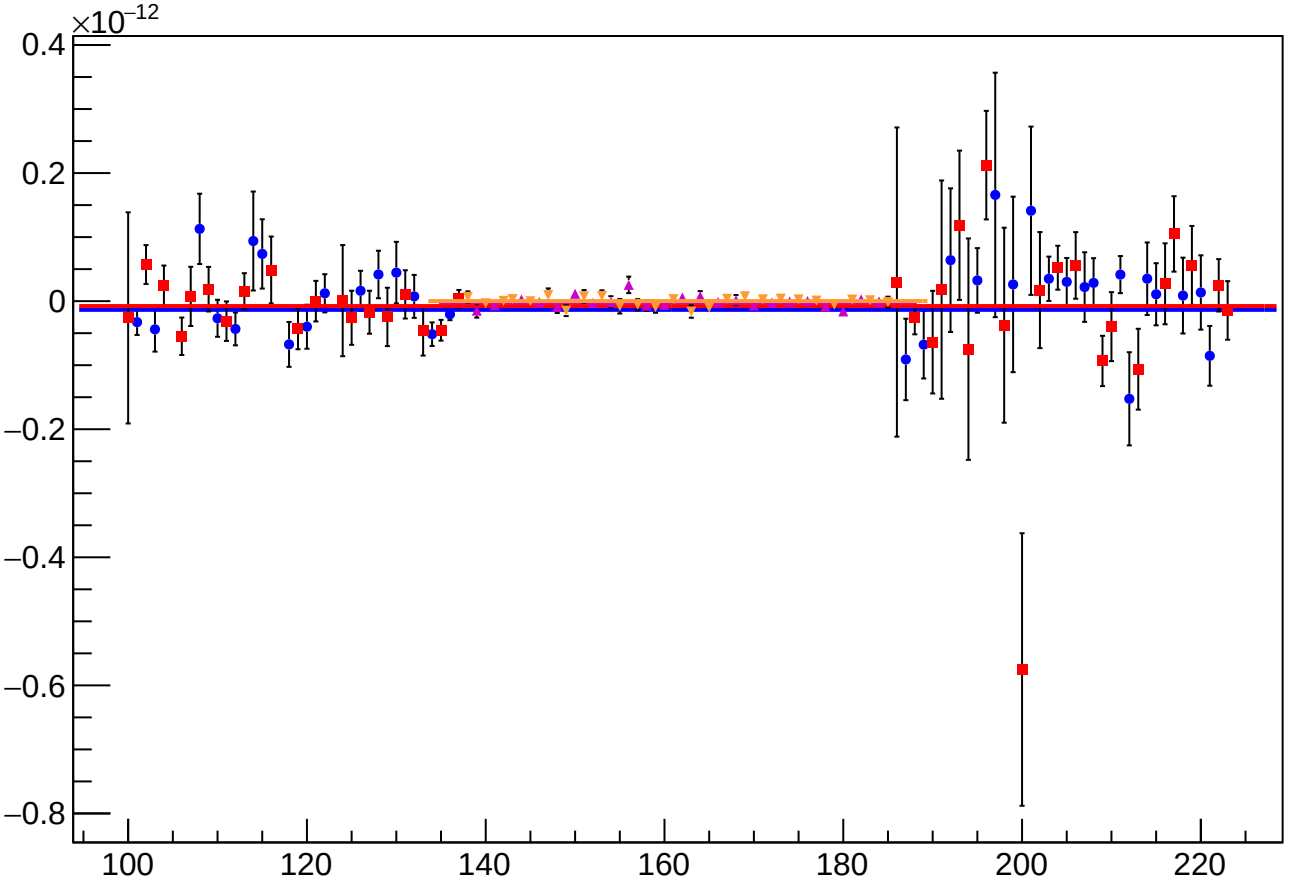
Right Out: 26.378+/-0.005 χ^2/NDF: 6513133.8/38

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.672+/-0.002 χ^2/NDF: 18193494.0/58

All: 15.975+/-0.002 χ^2/NDF: 34741525.9/120

- sign 16.299+/-0.002 χ^2/NDF: 16507961.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 48.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

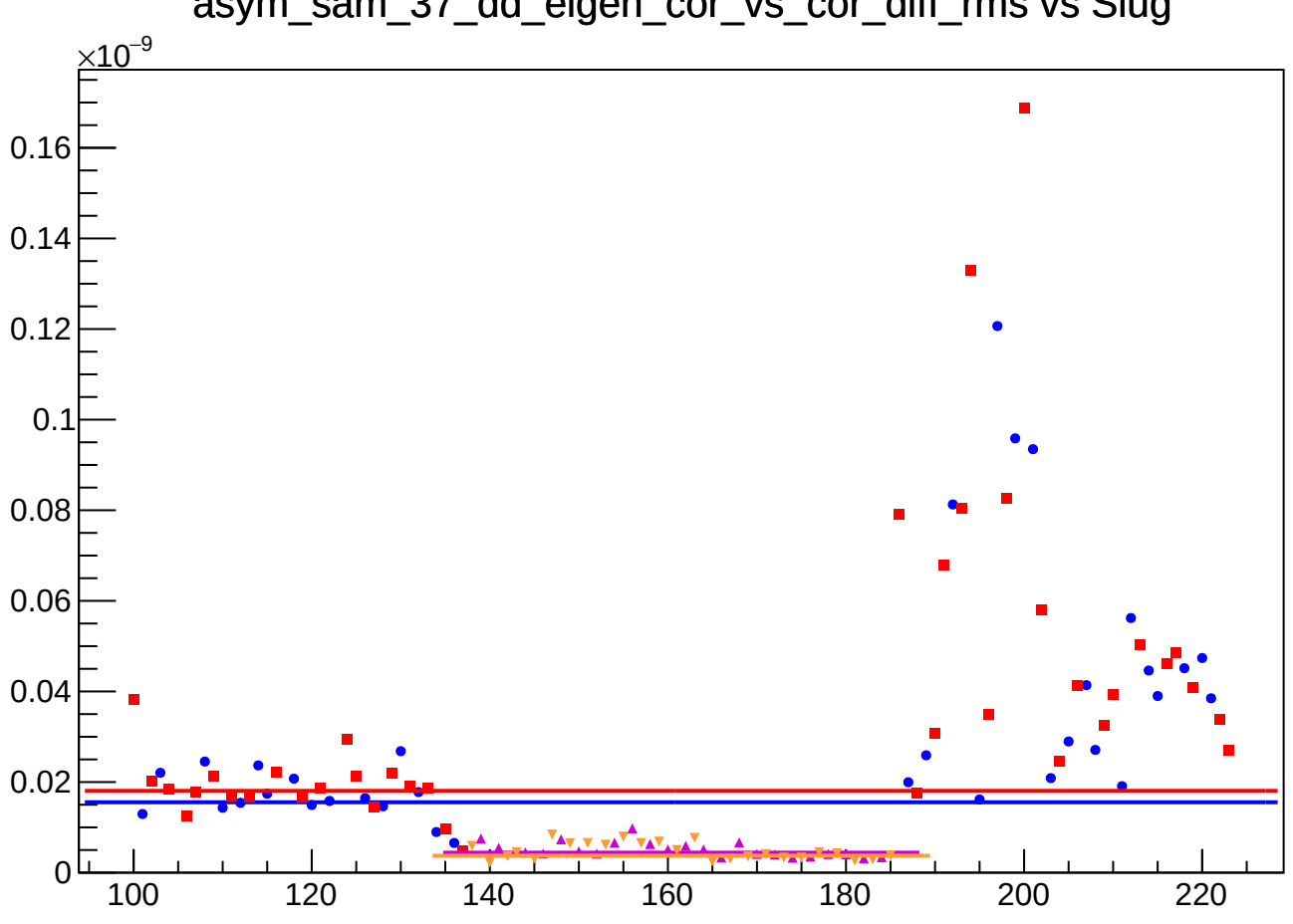
Right Out: -0.000+/-0.000 χ^2/NDF: 54.6/38

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.4/58

All: -0.000+/-0.000 χ^2/NDF: 158.3/120

- sign -0.000+/-0.000 χ^2/NDF: 80.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 9452278.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9393946.6/38

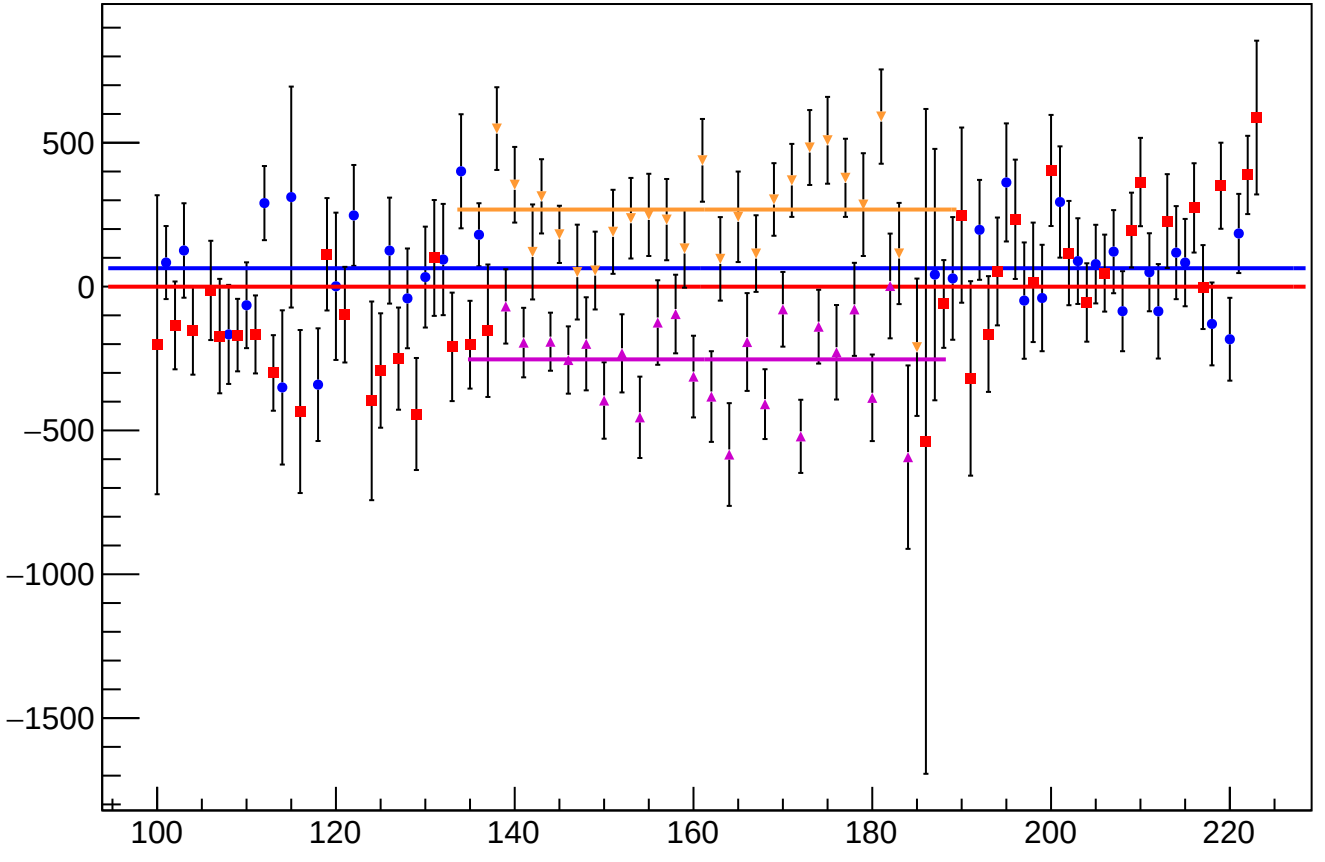
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 21696555.8/58

All: 0.000+/-0.000 χ^2/NDF: 43274888.6/120

- sign 0.000+/-0.000 χ^2/NDF: 21157764.0/61

reg_asym_sam_48_dd_mean vs Slug



Right In: 63.815+/-28.303 χ^2/NDF: 31.2/33

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -0.346+/-28.010 χ^2/NDF: 69.0/38

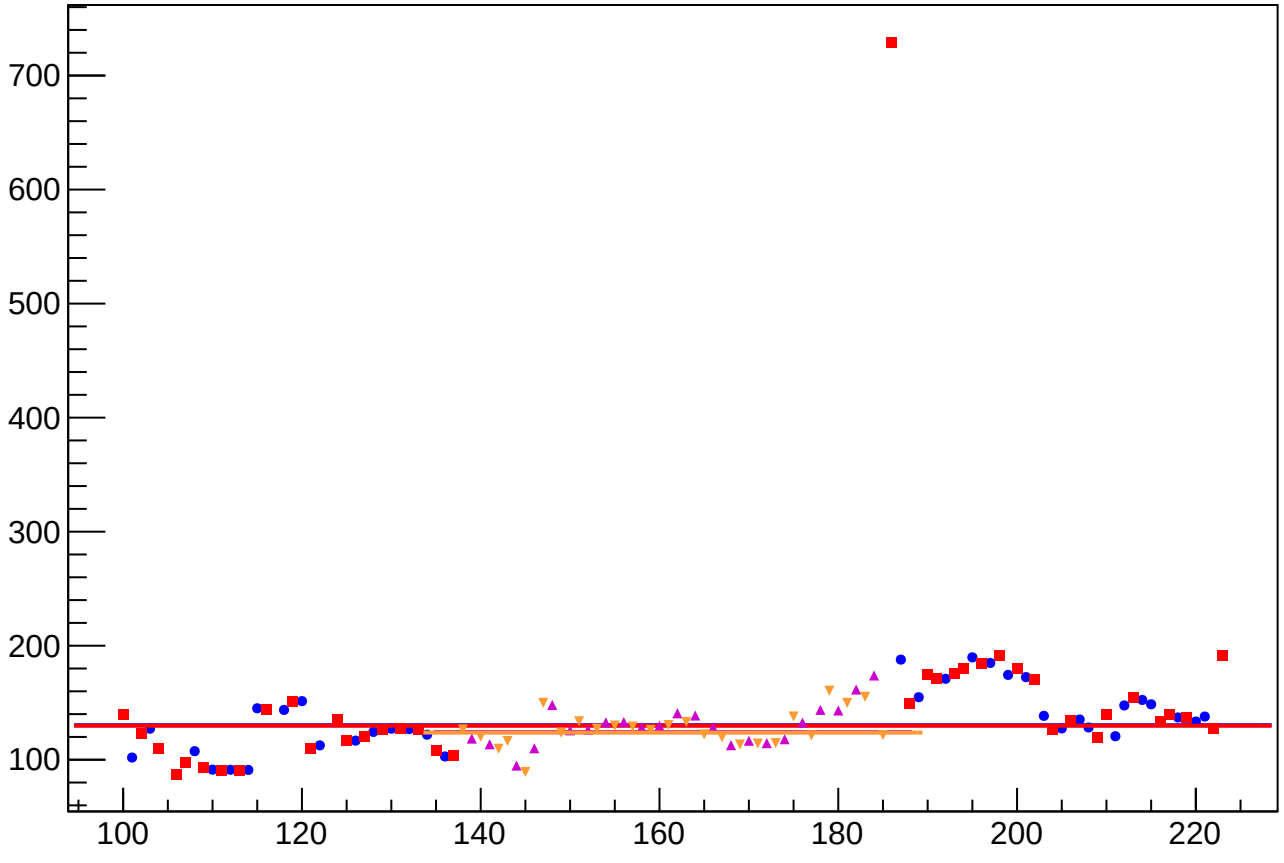
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 165.424+/-20.050 χ^2/NDF: 88.0/58

All: 23.661+/-14.248 χ^2/NDF: 323.0/120

- sign -120.956+/-20.251 χ^2/NDF: 134.0/61

reg_asym_sam_48_dd_rms vs Slug



Right In: 130.264+/-0.020 χ^2/NDF: 1502287.7/33

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.847+/-0.020 χ^2/NDF: 2512168.1/38

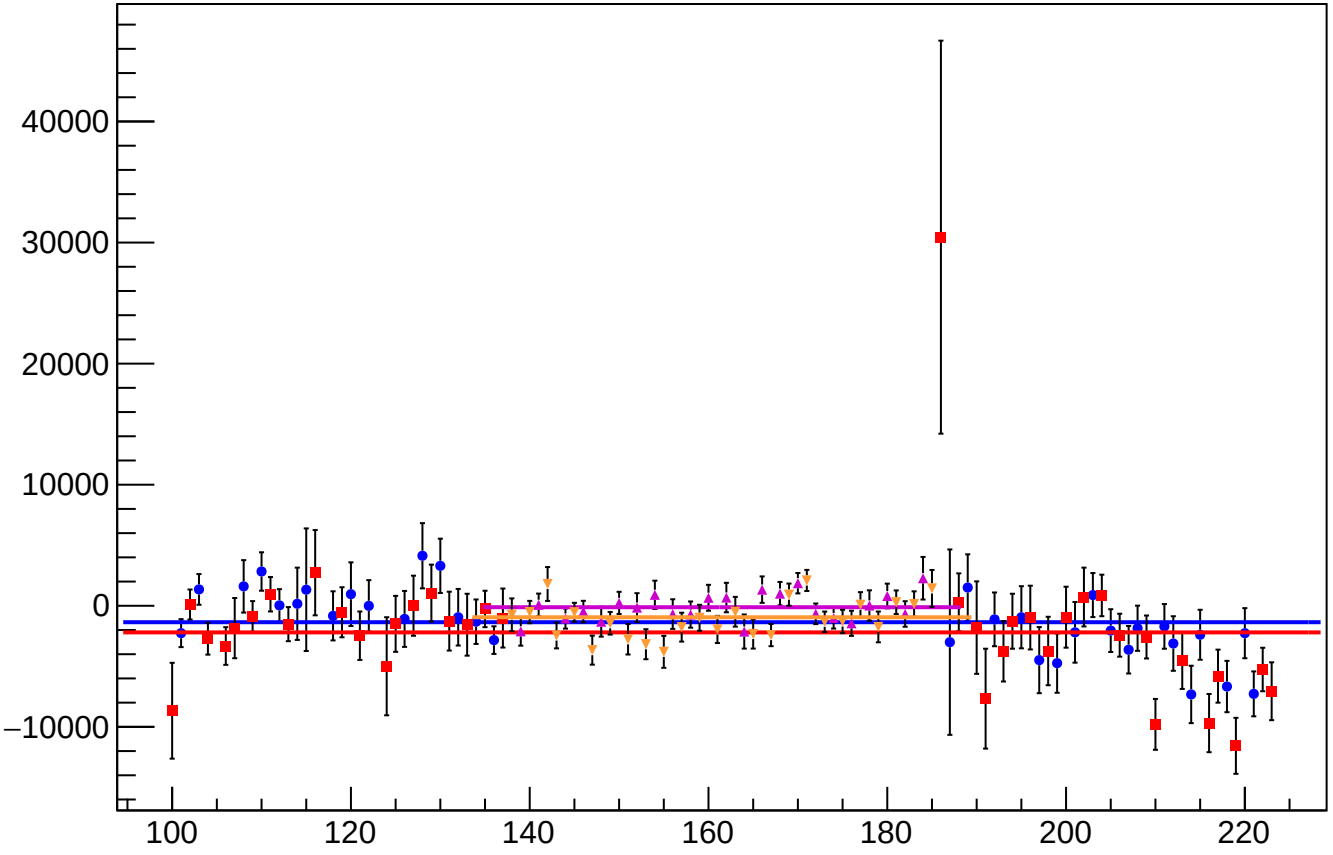
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 127.047+/-0.014 χ^2/NDF: 2152575.6/58

All: 127.113+/-0.010 χ^2/NDF: 5259997.9/120

- sign 127.180+/-0.014 χ^2/NDF: 3107378.9/61

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -1357.258+/-335.994 χ^2/NDF: 58.5/33

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -2198.033+/-328.118 χ^2/NDF: 84.0/38

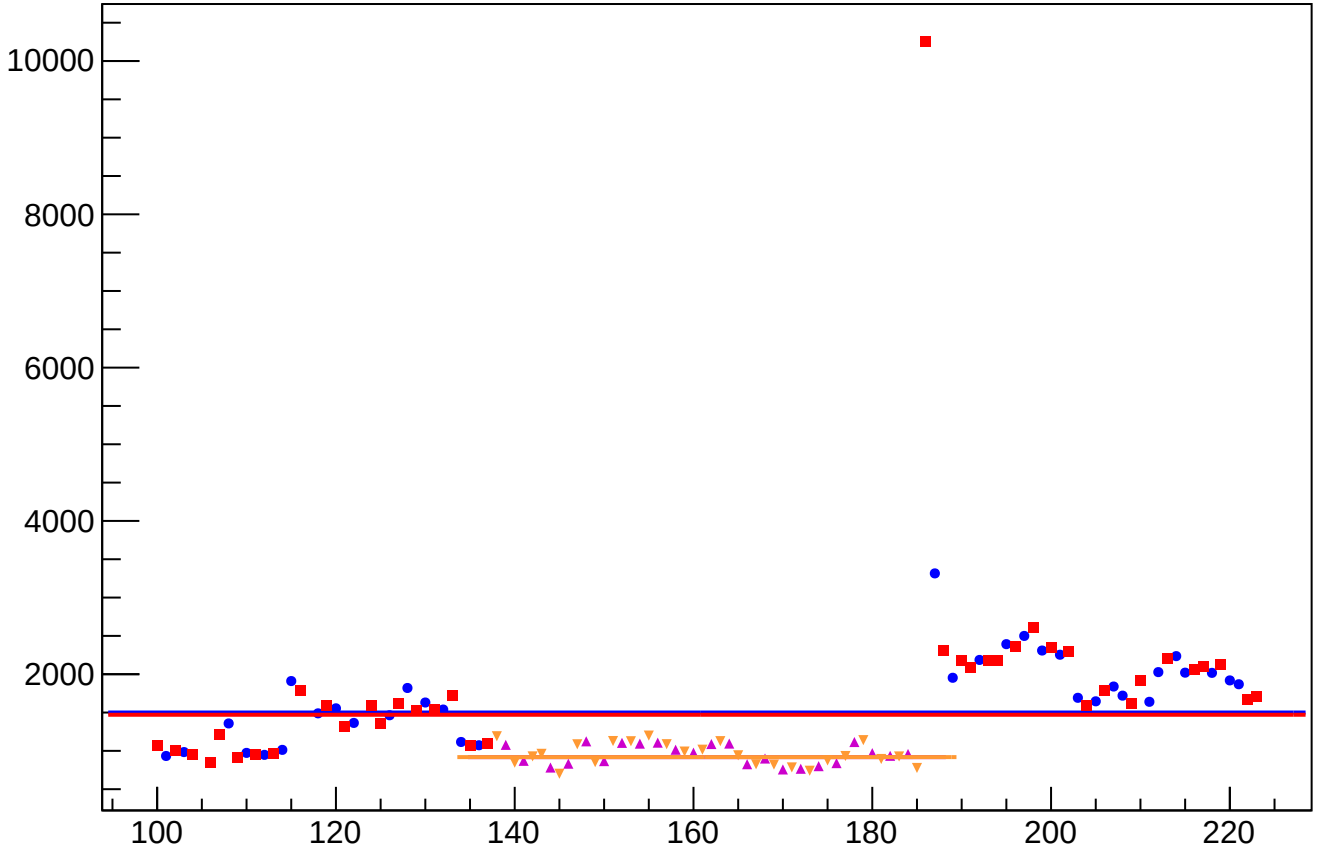
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -1064.174+/-179.169 χ^2/NDF: 109.9/58

All: -909.708+/-127.367 χ^2/NDF: 247.7/120

- sign -751.904+/-181.094 χ^2/NDF: 136.3/61

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1500.352+/-0.238 χ^2/NDF: 3973040.4/33

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1471.140+/-0.232 χ^2/NDF: 5342461.9/38

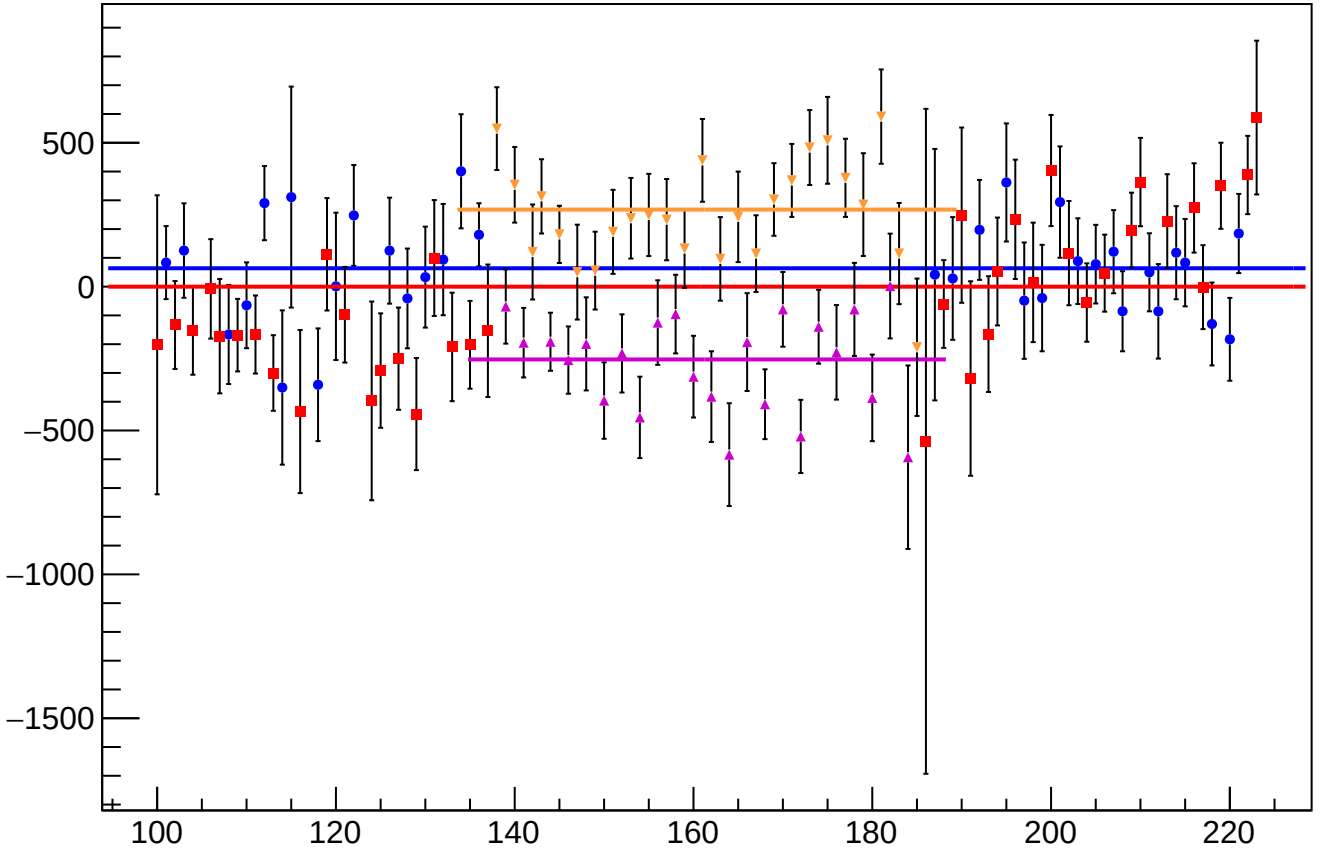
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1083.953+/-0.127 χ^2/NDF: 9153128.9/58

All: 1085.283+/-0.090 χ^2/NDF: 19111467.6/1

- sign 1086.642+/-0.128 χ^2/NDF: 9958115.9/61

cor_asym_sam_48_dd_mean vs Slug



Right In: 63.810+/-28.303 χ^2/NDF: 31.2/33

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -0.146+/-28.012 χ^2/NDF: 68.9/38

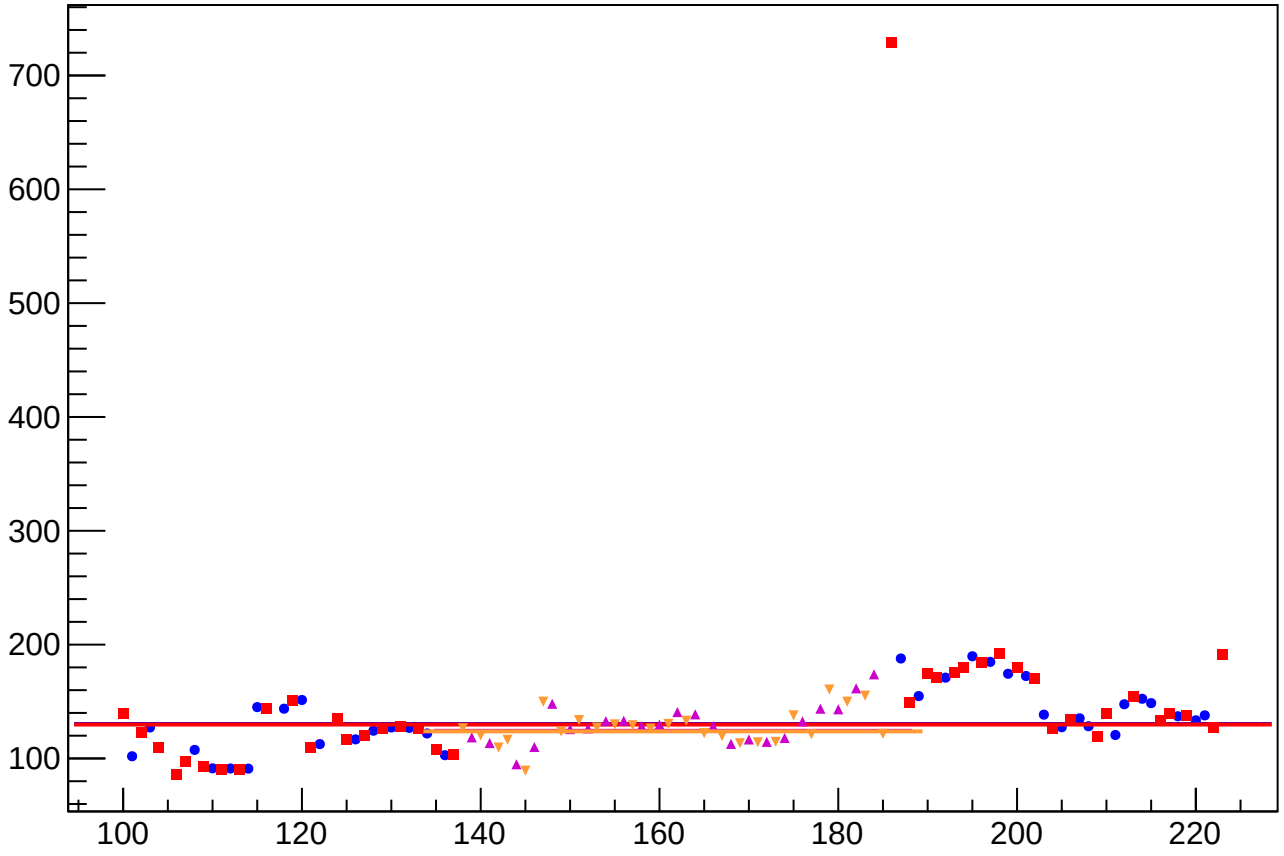
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 165.426+/-20.050 χ^2/NDF: 88.0/58

All: 23.714+/-14.248 χ^2/NDF: 323.0/120

- sign -120.861+/-20.252 χ^2/NDF: 134.0/61

cor_asym_sam_48_dd_rms vs Slug



Right In: 130.264+/-0.020 χ^2/NDF: 1502287.4/33

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.823+/-0.020 χ^2/NDF: 2518306.8/38

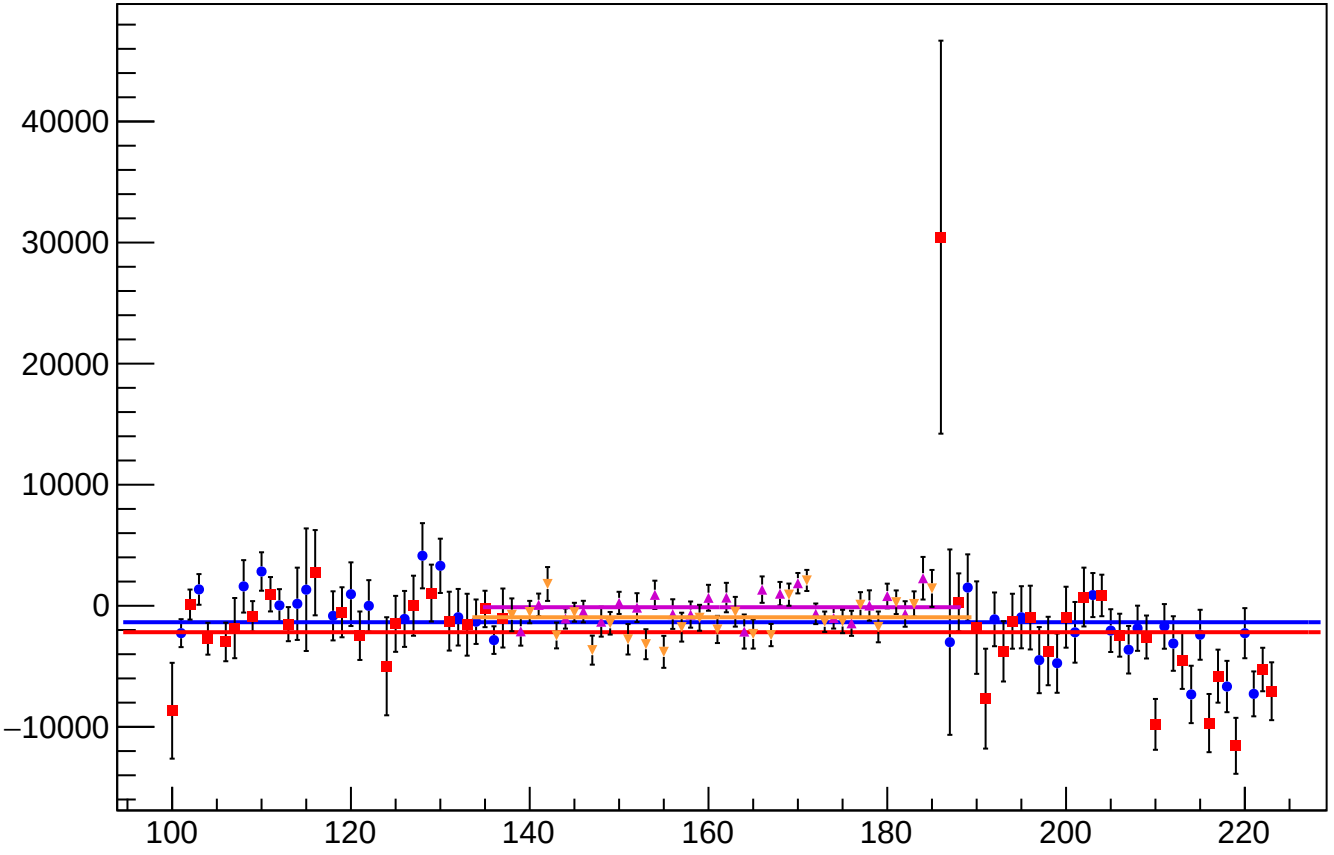
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 127.047+/-0.014 χ^2/NDF: 2152575.7/58

All: 127.107+/-0.010 χ^2/NDF: 5265801.0/120

- sign 127.167+/-0.014 χ^2/NDF: 3113189.9/61

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -1357.317+/-335.996 χ^2/NDF: 58.5/33

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -2181.824+/-328.461 χ^2/NDF: 83.7/38

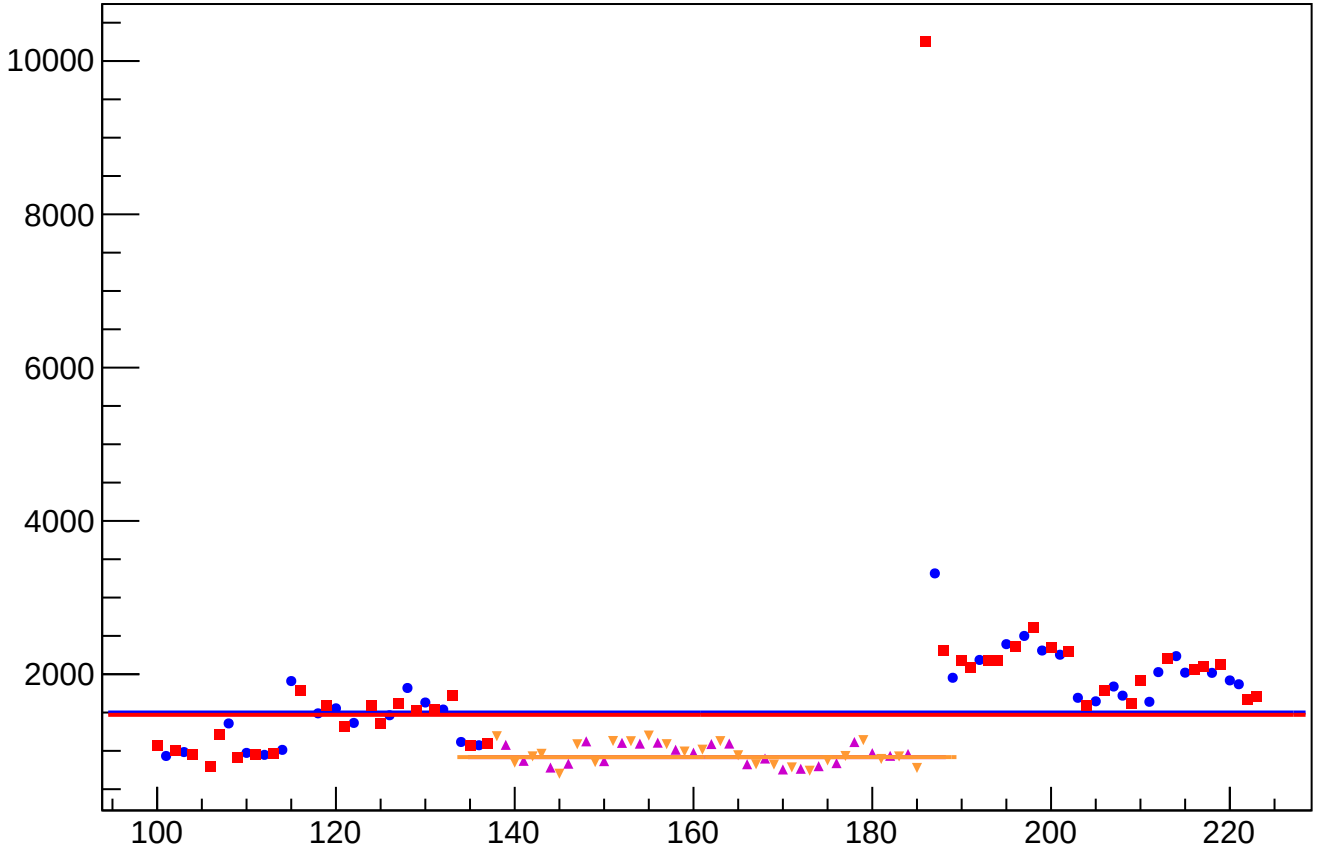
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -1064.182+/-179.169 χ^2/NDF: 109.9/58

All: -906.870+/-127.387 χ^2/NDF: 247.0/120

- sign -746.056+/-181.152 χ^2/NDF: 135.6/61

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1500.360+/-0.238 χ^2/NDF: 3972927.7/33

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1470.311+/-0.232 χ^2/NDF: 5378876.3/38

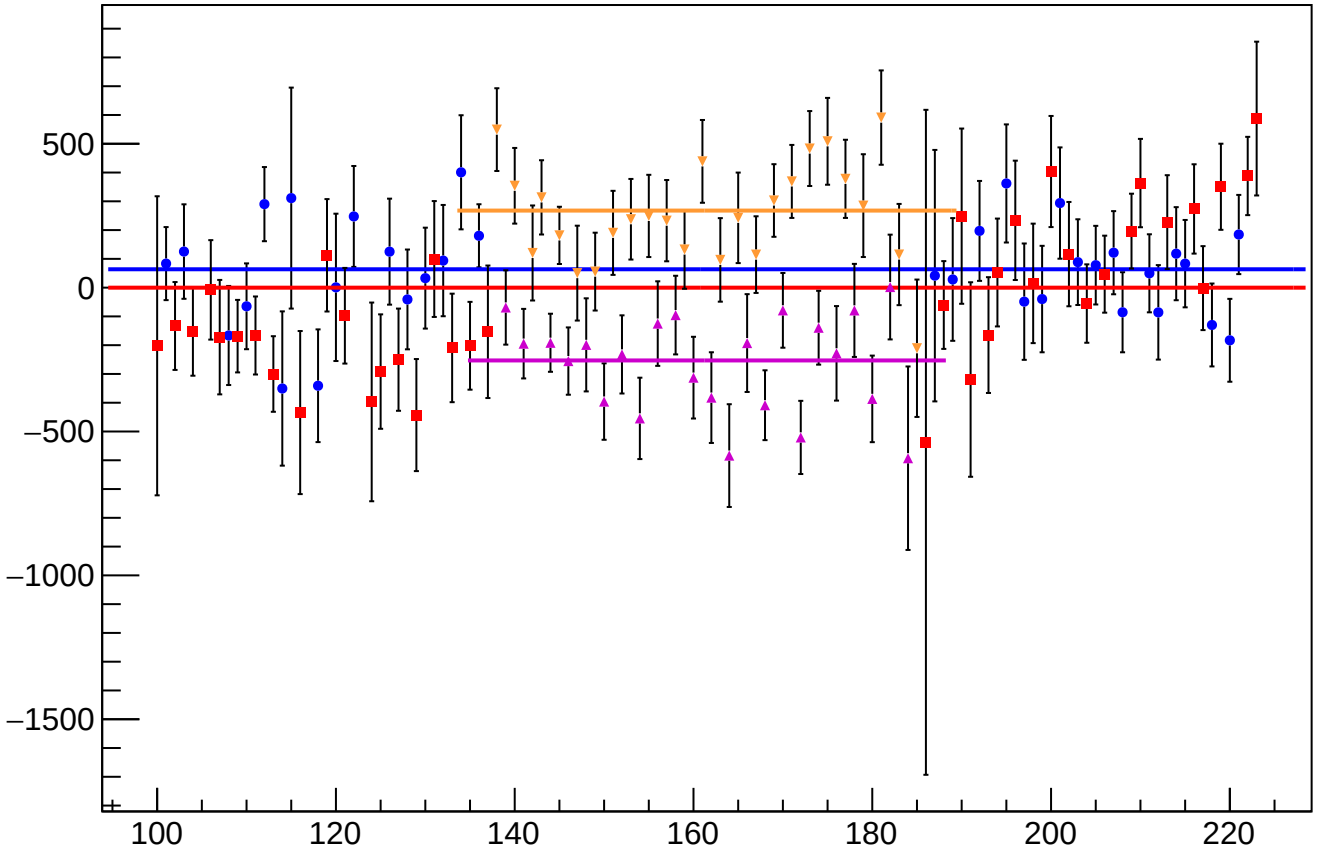
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1083.955+/-0.127 χ^2/NDF: 9153113.3/58

All: 1085.038+/-0.090 χ^2/NDF: 19130235.7/1

- sign 1086.146+/-0.128 χ^2/NDF: 9976974.5/61

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 63.810+/-28.303 χ^2/NDF: 31.2/33

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -0.146+/-28.012 χ^2/NDF: 68.9/38

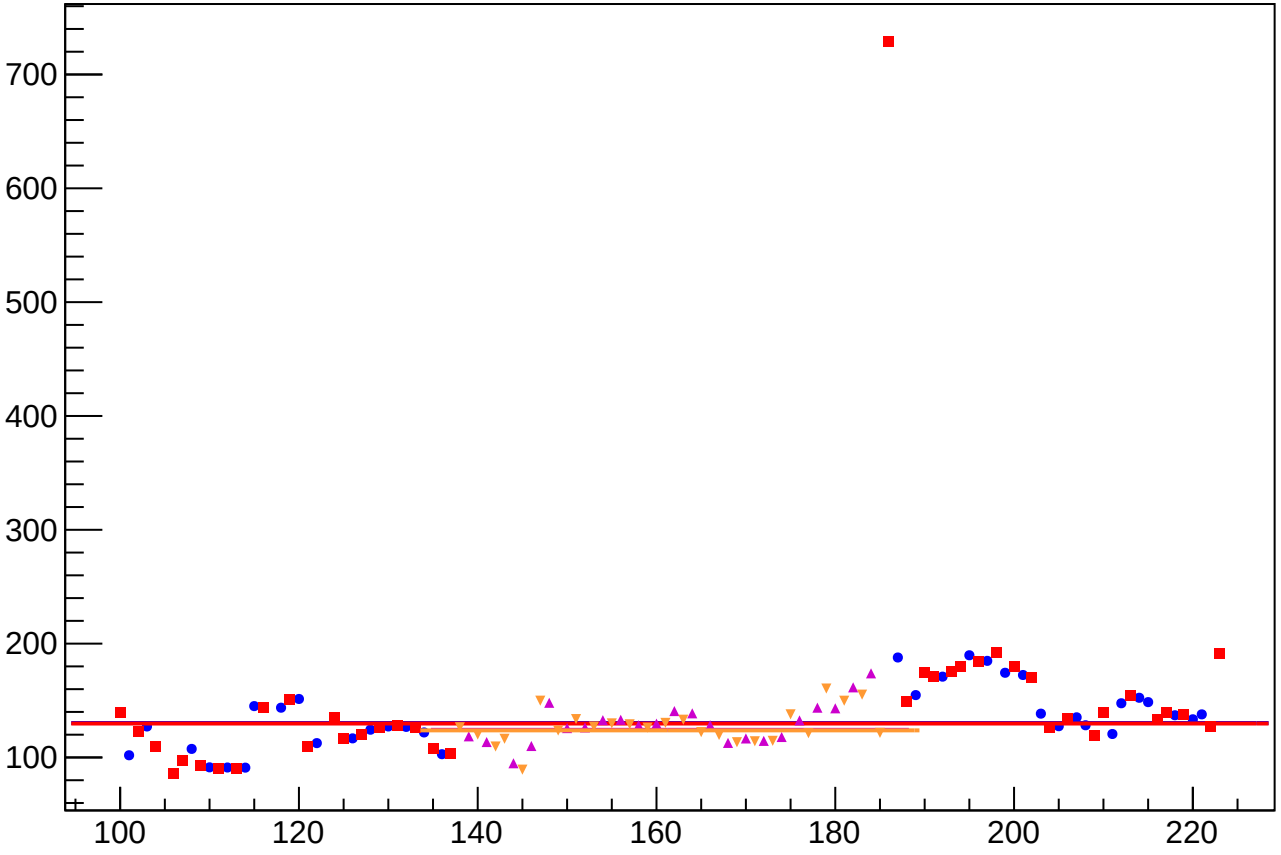
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 165.426+/-20.050 χ^2/NDF: 88.0/58

All: 23.714+/-14.248 χ^2/NDF: 323.0/120

- sign -120.861+/-20.252 χ^2/NDF: 134.0/61

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 130.264+/-0.020 χ^2/NDF: 1502287.4/33

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

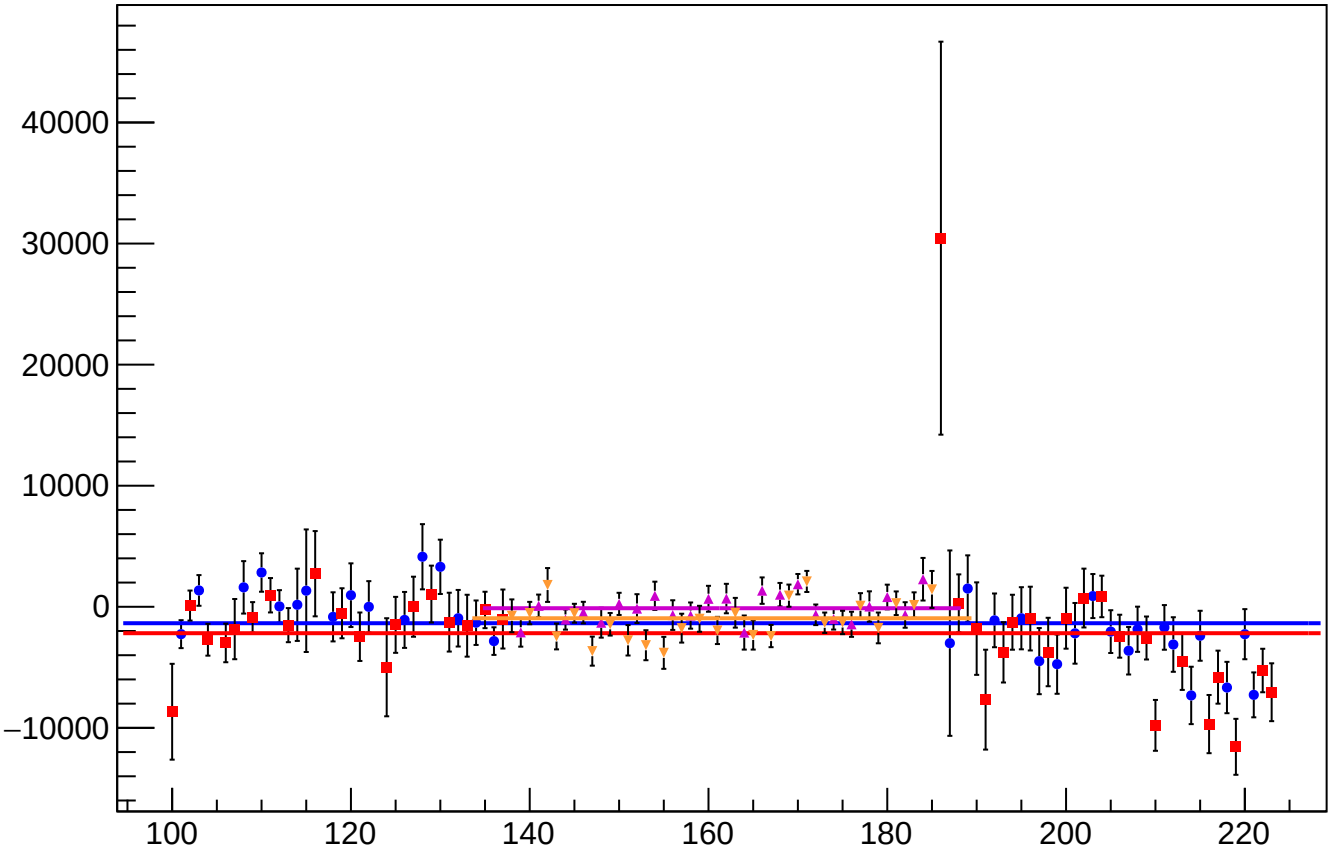
Right Out: 129.823+/-0.020 χ^2/NDF: 2518306.8/38

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 127.047+/-0.014 χ^2/NDF: 2152575.7/58

All: 127.107+/-0.010 χ^2/NDF: 5265801.0/120

- sign 127.167+/-0.014 χ^2/NDF: 3113189.9/61



Right In: -1357.317+/-335.996 χ^2/NDF: 58.5/33

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

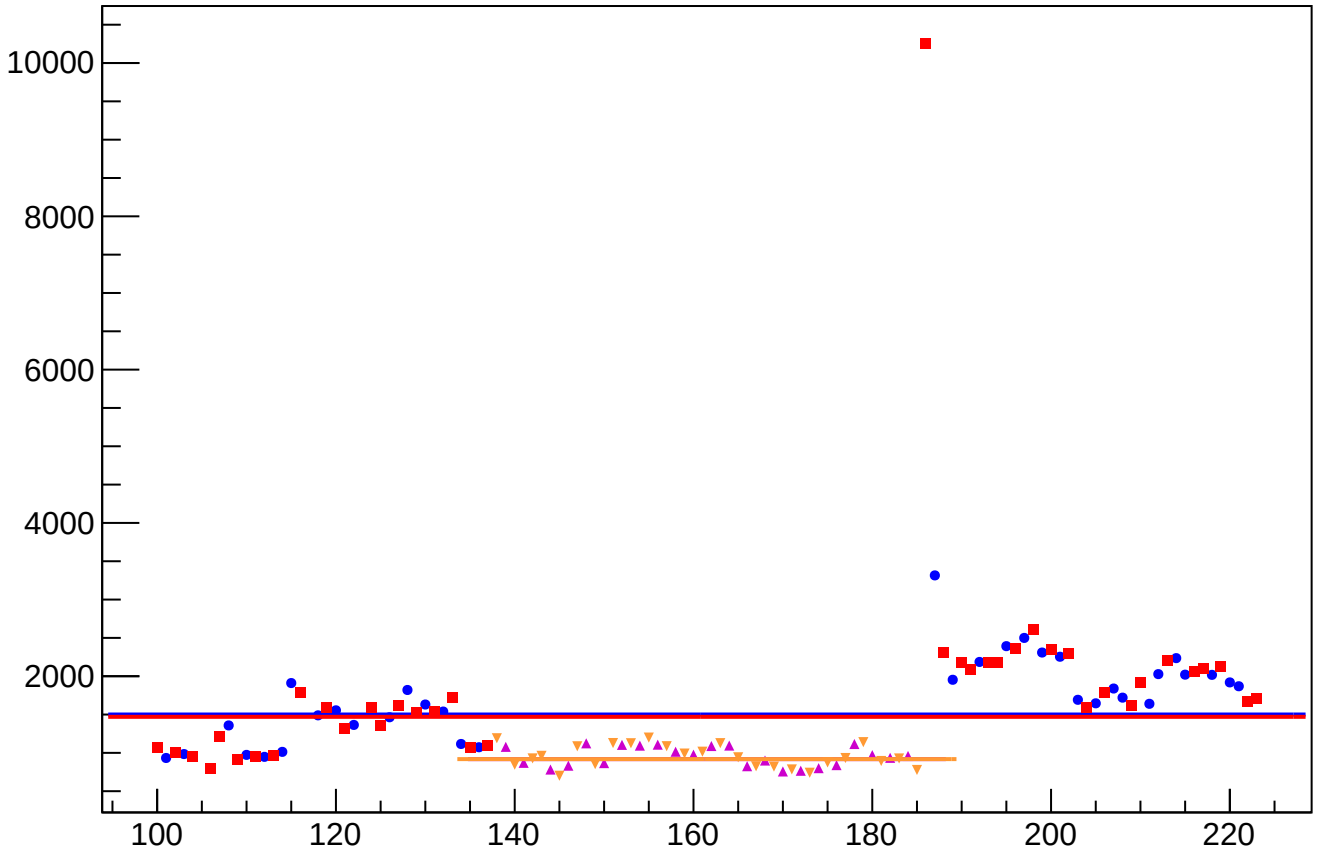
Right Out: -2181.824+/-328.461 χ^2/NDF: 83.7/38

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -1064.182+/-179.169 χ^2/NDF: 109.9/58

All: -906.870+/-127.387 χ^2/NDF: 247.0/120

- sign -746.056+/-181.152 χ^2/NDF: 135.6/61



Right In: 1500.360+/-0.238 χ^2/NDF: 3972927.7/33

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1470.311+/-0.232 χ^2/NDF: 5378876.3/38

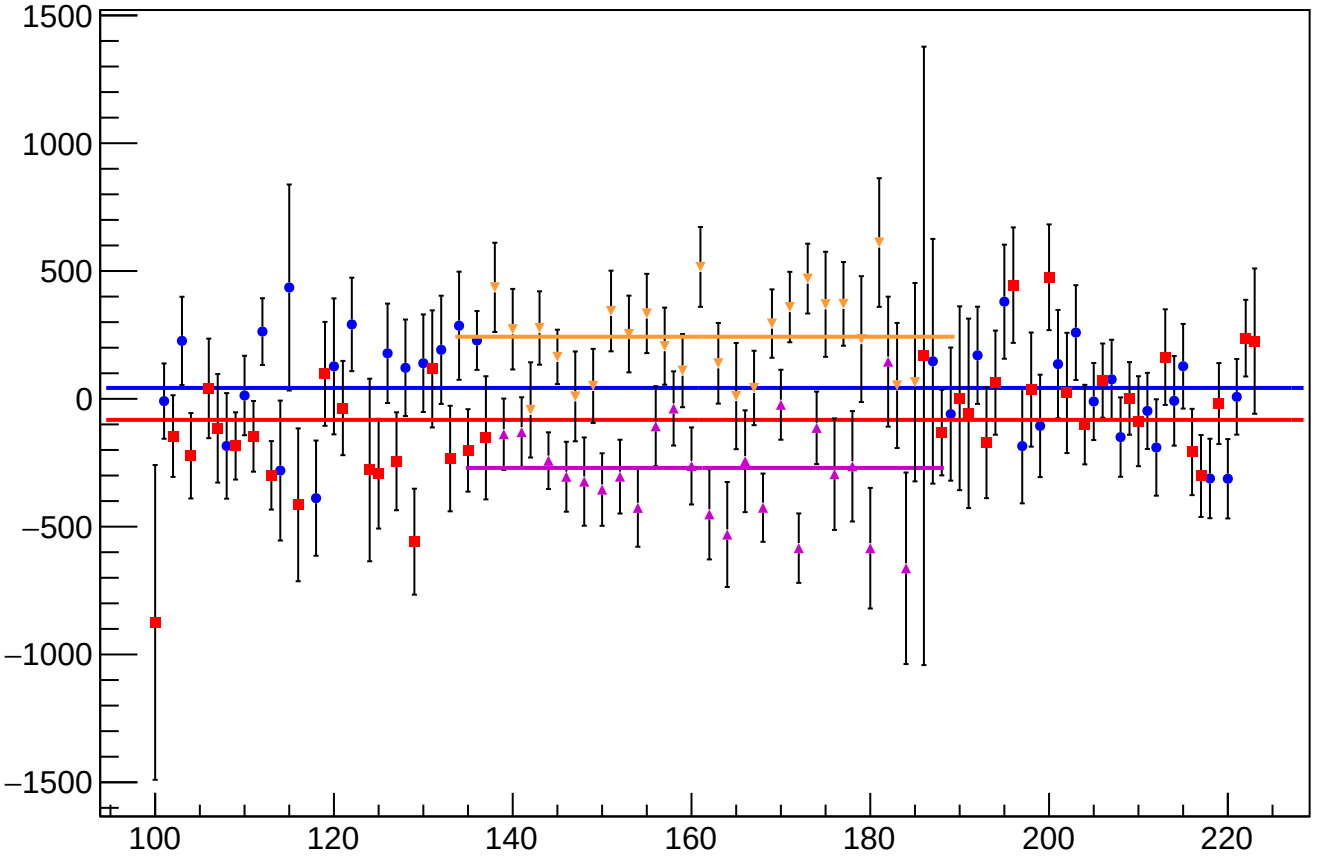
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1083.955+/-0.127 χ^2/NDF: 9153113.3/58

All: 1085.038+/-0.090 χ^2/NDF: 19130235.7/1

- sign 1086.146+/-0.128 χ^2/NDF: 9976974.5/61

dit_asym_sam_48_dd_mean vs Slug



Right In: 42.672+/-30.865 χ^2/NDF: 39.2/33

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -82.260+/-30.385 χ^2/NDF: 43.3/38

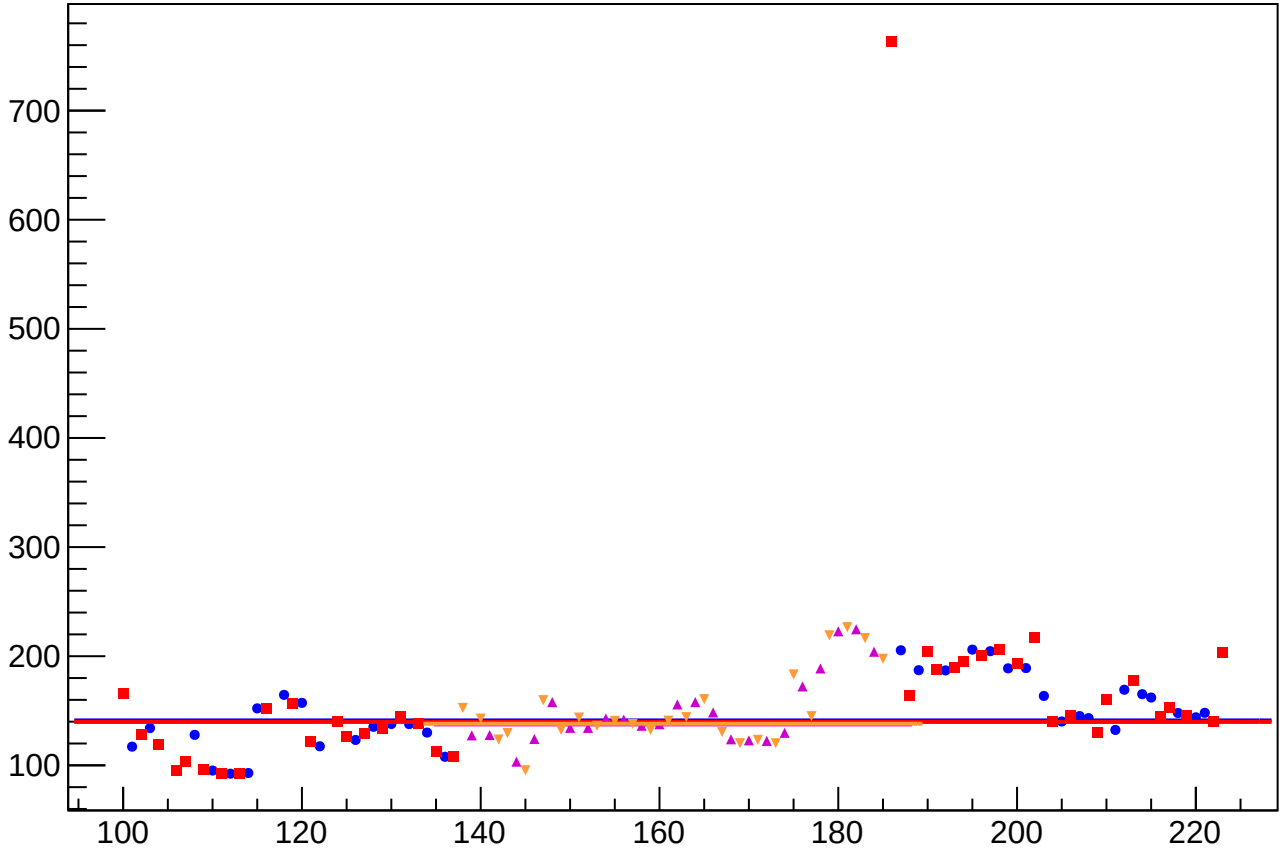
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 138.736+/-22.262 χ^2/NDF: 83.0/58

All: -14.638+/-15.762 χ^2/NDF: 265.8/120

- sign -168.811+/-22.319 χ^2/NDF: 87.6/61

dit_asym_sam_48_dd_rms vs Slug



Right In: 141.150+/-0.022 χ^2/NDF: 1760278.6/33

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 139.774+/-0.021 χ^2/NDF: 2886523.8/38

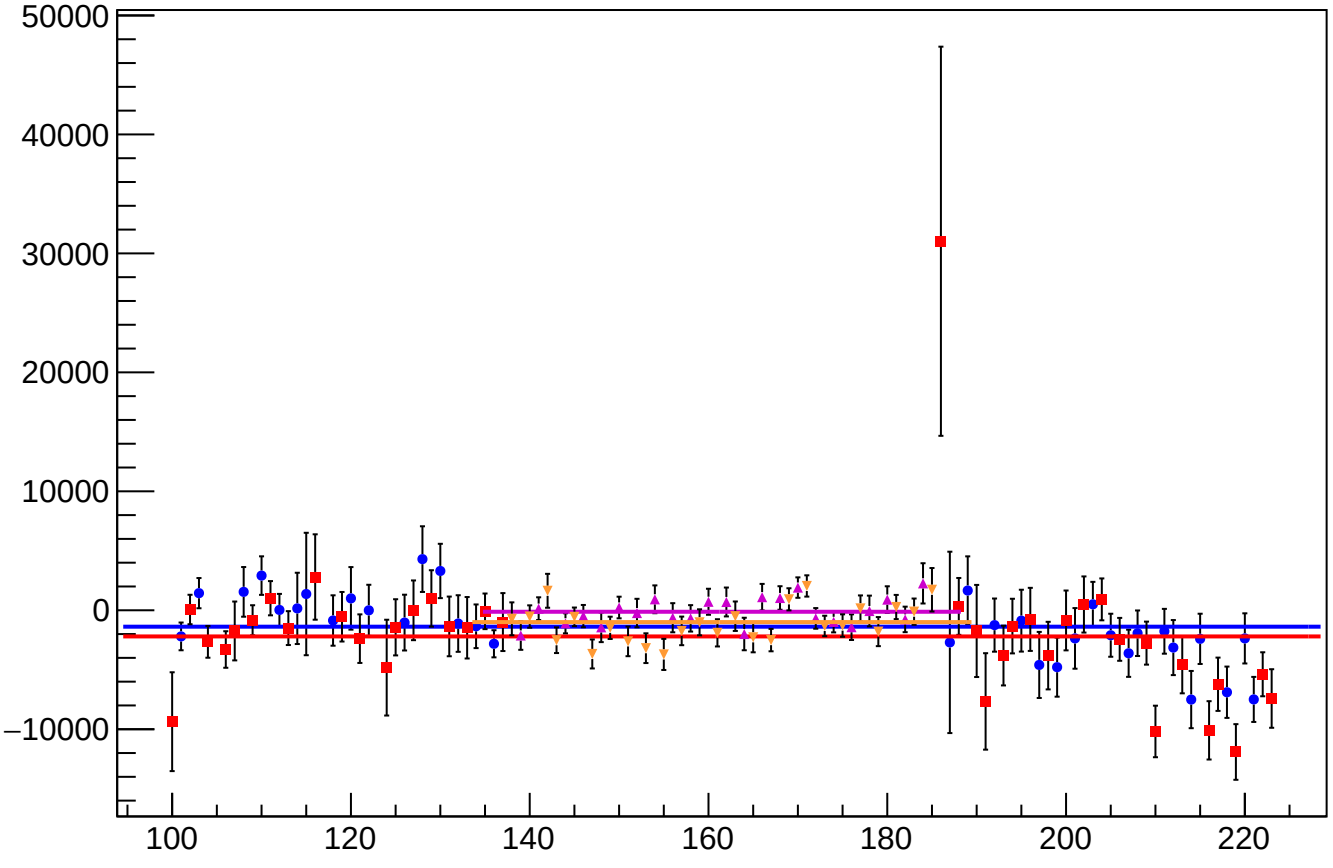
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

\+ sign 139.700+/-0.016 χ^2/NDF: 3107789.6/58

All: 139.213+/-0.011 χ^2/NDF: 7110765.1/120

\- sign 138.723+/-0.016 χ^2/NDF: 4001056.5/61

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -1379.626+/-340.439 χ^2/NDF: 59.0/33

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -2198.904+/-331.484 χ^2/NDF: 87.4/38

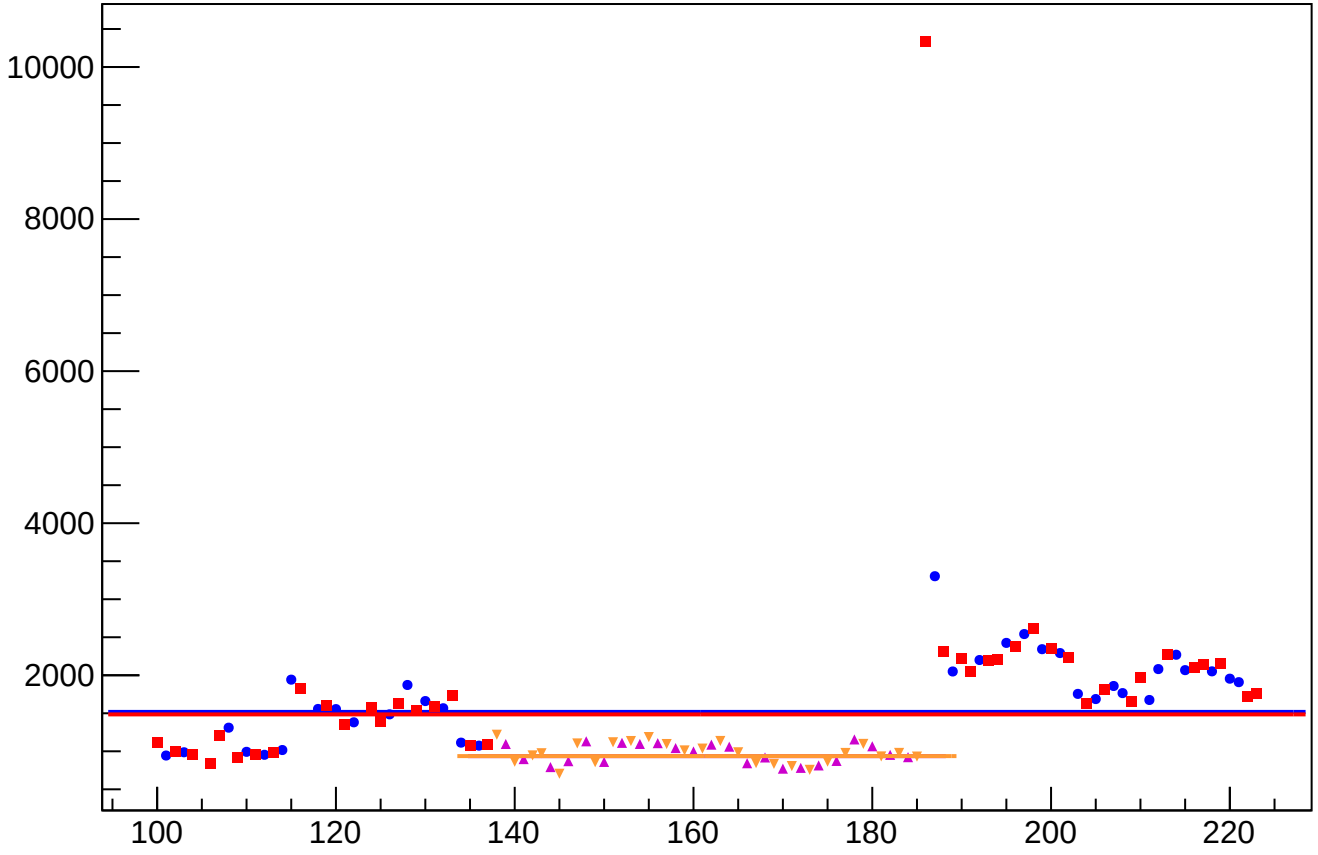
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -1103.882+/-182.177 χ^2/NDF: 106.8/58

All: -935.981+/-129.490 χ^2/NDF: 246.9/120

- sign -764.533+/-184.091 χ^2/NDF: 138.4/61

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1518.083+/-0.241 χ^2/NDF: 4118221.3/33

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1485.324+/-0.234 χ^2/NDF: 5418927.6/38

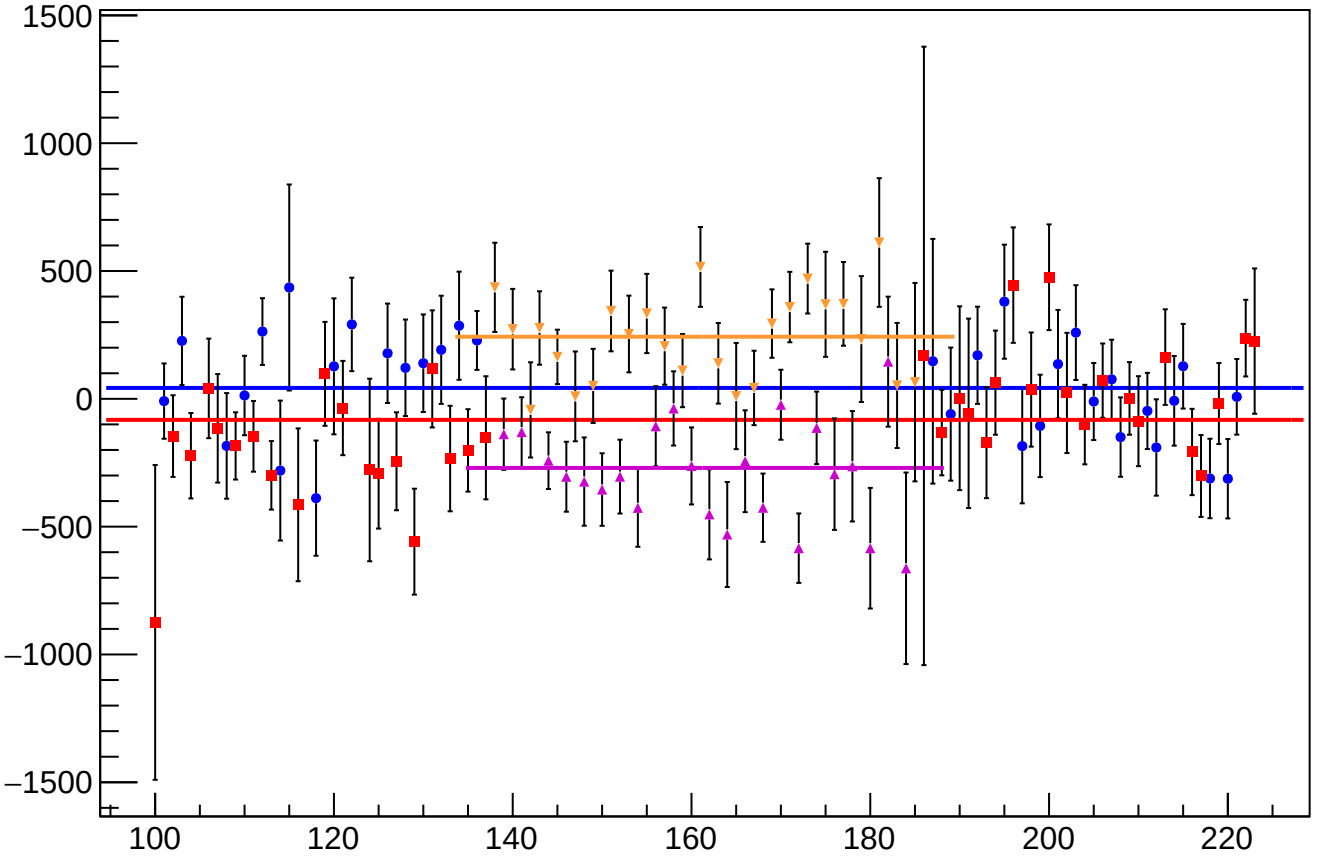
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1103.215+/-0.129 χ^2/NDF: 9112564.6/58

All: 1104.437+/-0.092 χ^2/NDF: 18967596.2/1

- sign 1105.685+/-0.130 χ^2/NDF: 9854849.6/61

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 42.675+/-30.865 χ^2/NDF: 39.2/33

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -82.257+/-30.385 χ^2/NDF: 43.3/38

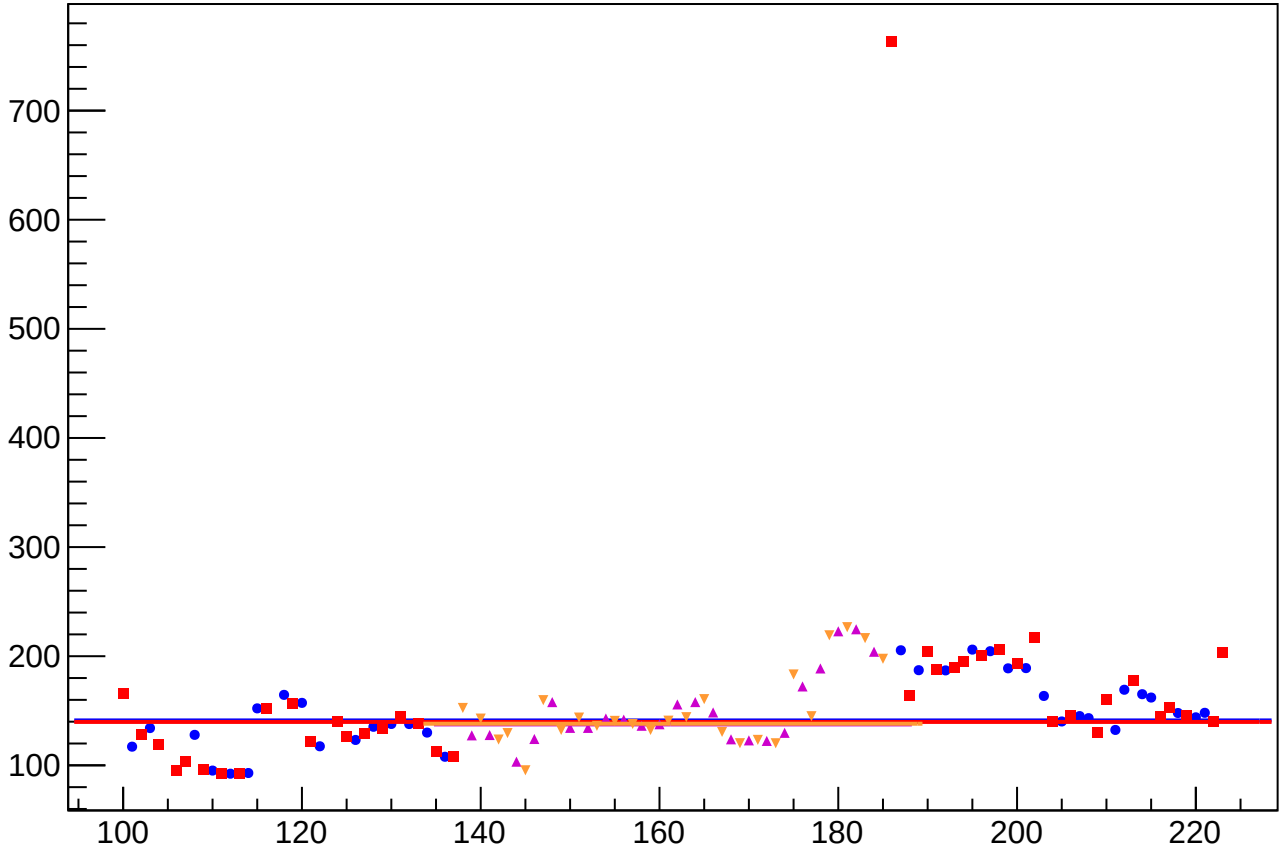
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 138.739+/-22.261 χ^2/NDF: 83.0/58

All: -14.636+/-15.762 χ^2/NDF: 265.8/120

- sign -168.810+/-22.319 χ^2/NDF: 87.6/61

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 141.150+/-0.022 χ^2/NDF: 1760258.9/33

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

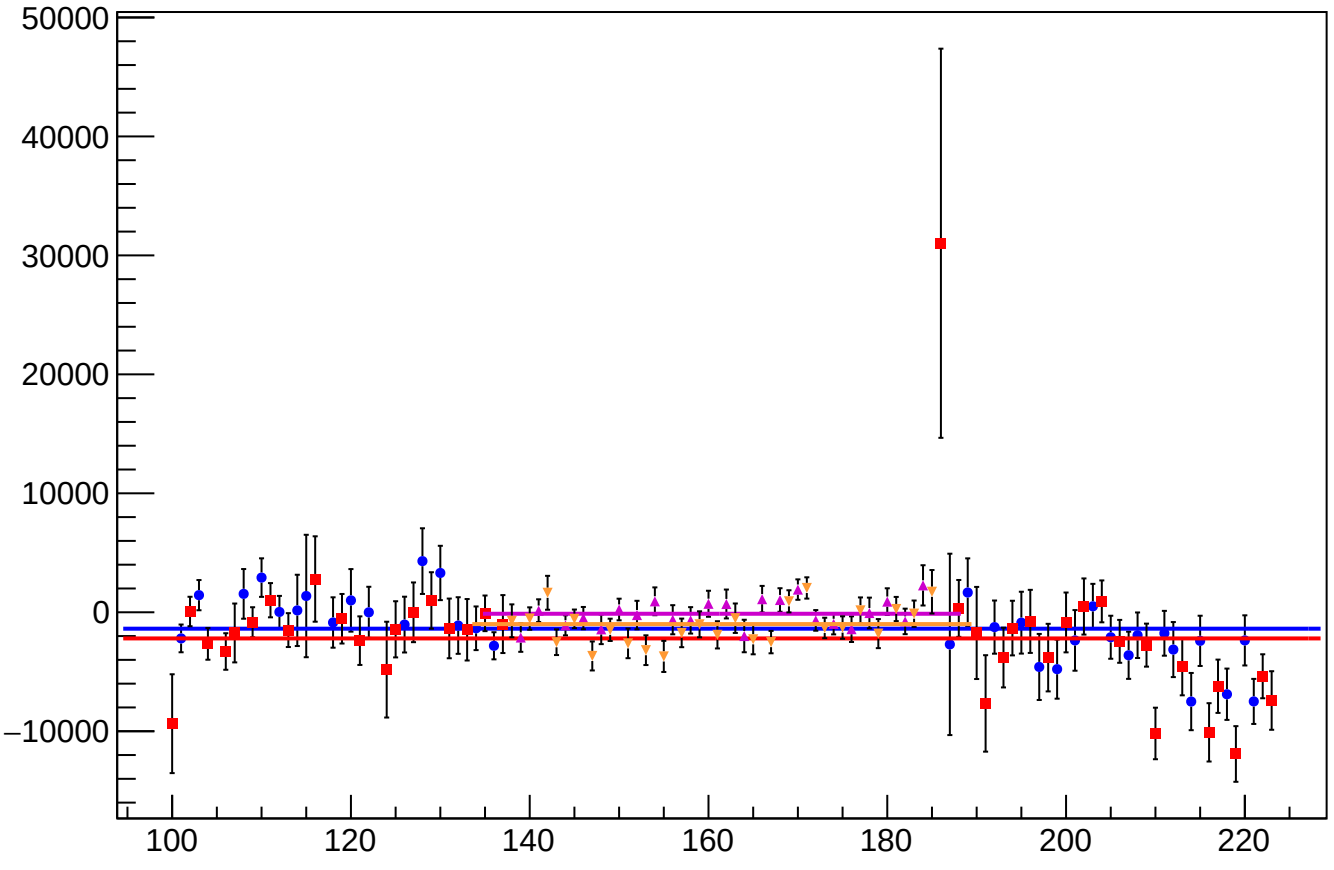
Right Out: 139.774+/-0.021 χ^2/NDF: 2886527.0/38

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 139.700+/-0.016 χ^2/NDF: 3107772.2/58

All: 139.213+/-0.011 χ^2/NDF: 7110736.6/120

- sign 138.723+/-0.016 χ^2/NDF: 4001045.5/61



Right In: -1379.625+/-340.439 χ^2/NDF: 59.0/33

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -2198.903+/-331.484 χ^2/NDF: 87.4/38

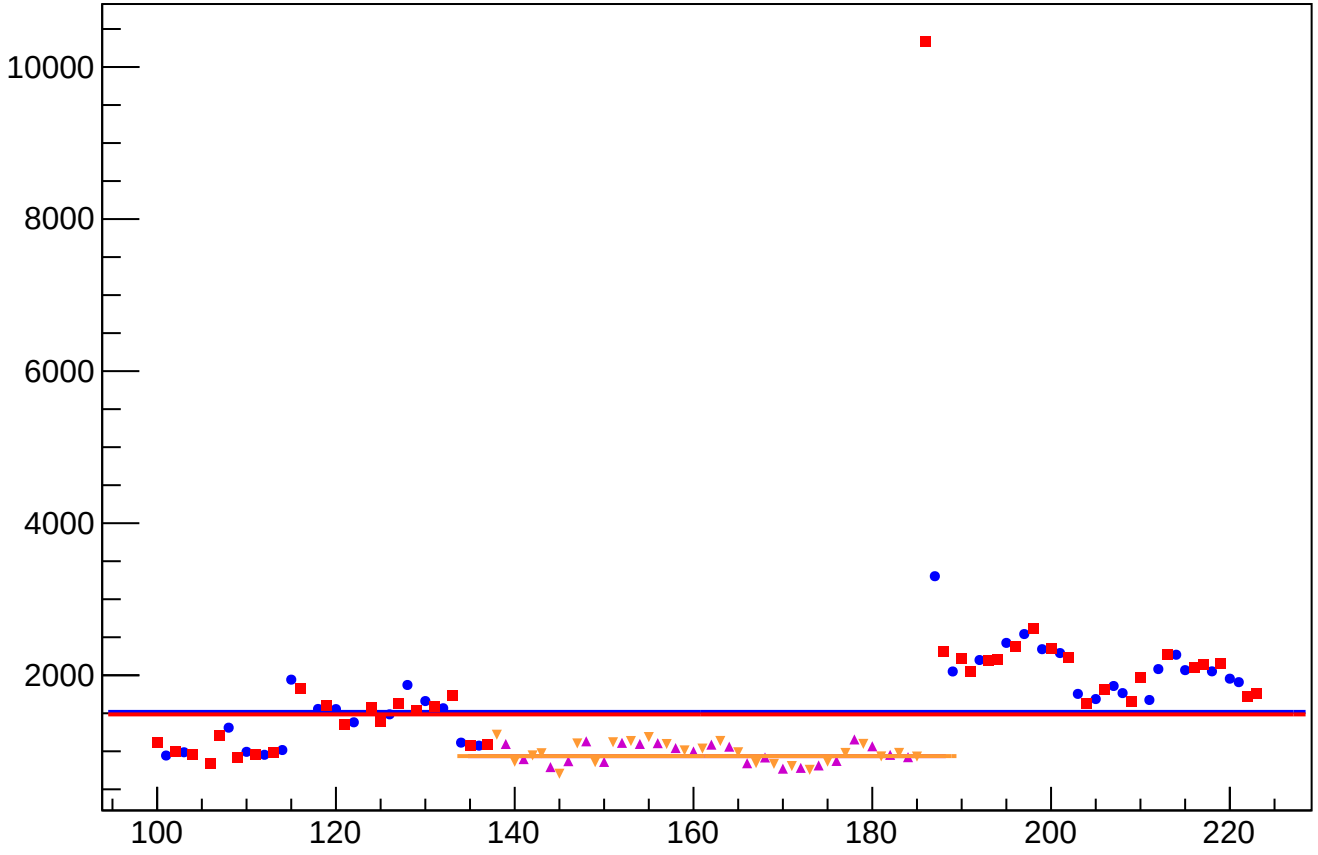
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -1103.881+/-182.177 χ^2/NDF: 106.8/58

All: -935.979+/-129.490 χ^2/NDF: 246.9/120

- sign -764.531+/-184.091 χ^2/NDF: 138.4/61

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1518.082+/-0.241 χ^2/NDF: 4118210.3/33

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

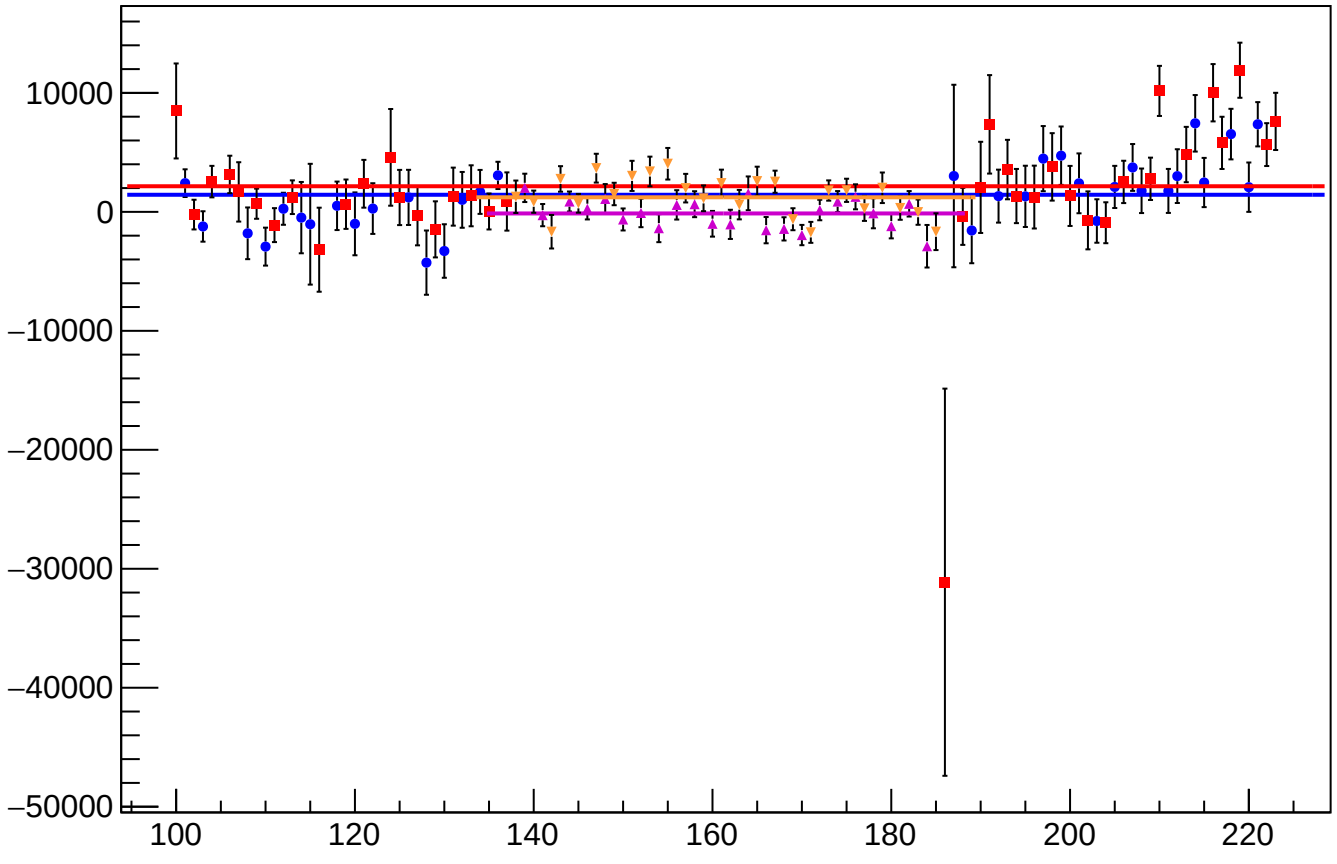
Right Out: 1485.324+/-0.234 χ^2/NDF: 5418917.6/38

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1103.213+/-0.129 χ^2/NDF: 9112569.7/58

All: 1104.436+/-0.092 χ^2/NDF: 18967599.1/1

- sign 1105.684+/-0.130 χ^2/NDF: 9854847.4/61



Right In: 1437.194+/-337.441 χ^2/NDF: 59.0/33

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 2153.780+/-329.612 χ^2/NDF: 91.3/38

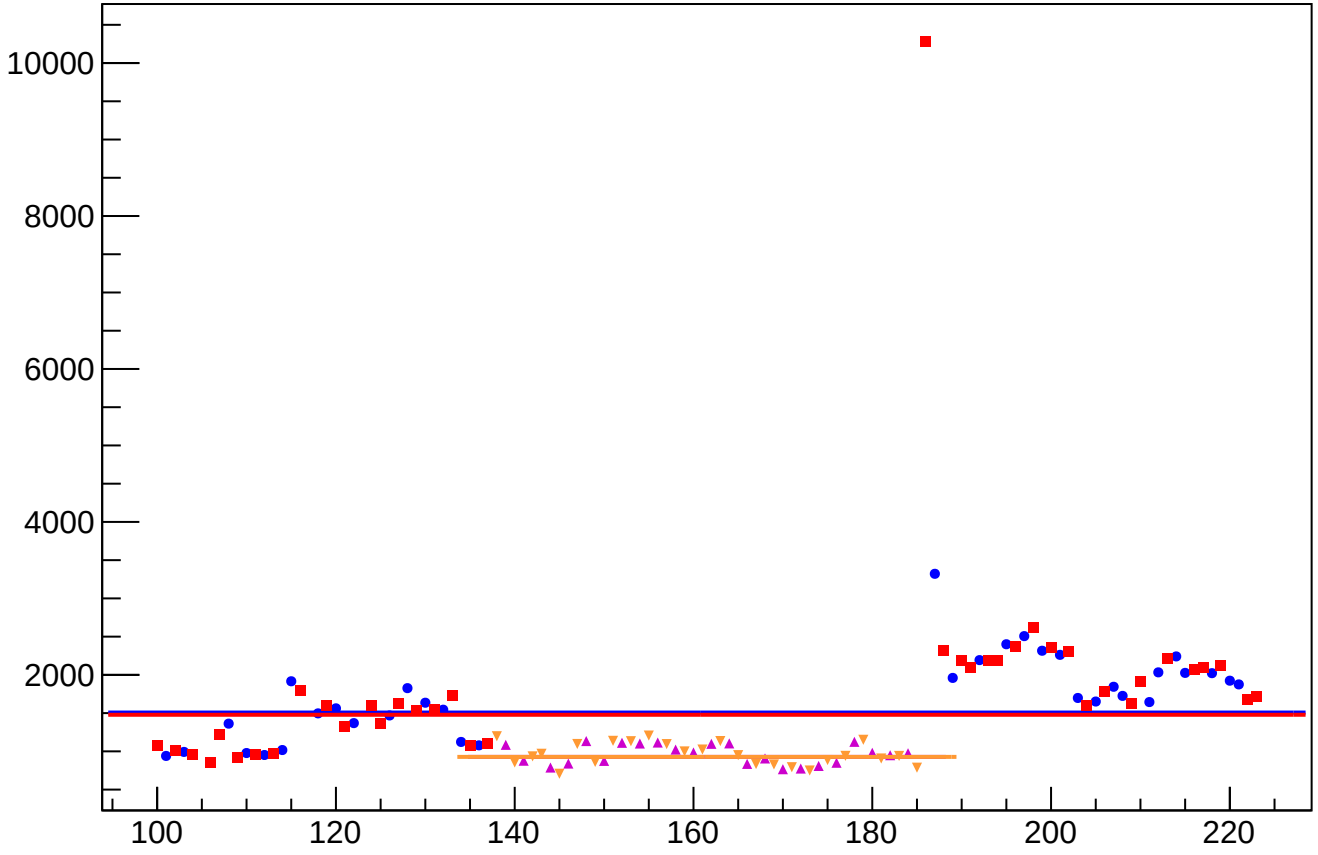
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1286.171+/-180.627 χ^2/NDF: 107.8/58

All: 931.263+/-128.404 χ^2/NDF: 266.1/120

- sign 568.684+/-182.569 χ^2/NDF: 150.5/61

asym_sam_48_dd_rms vs Slug



Right In: 1507.468+/-0.239 χ^2/NDF: 3939200.3/33

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

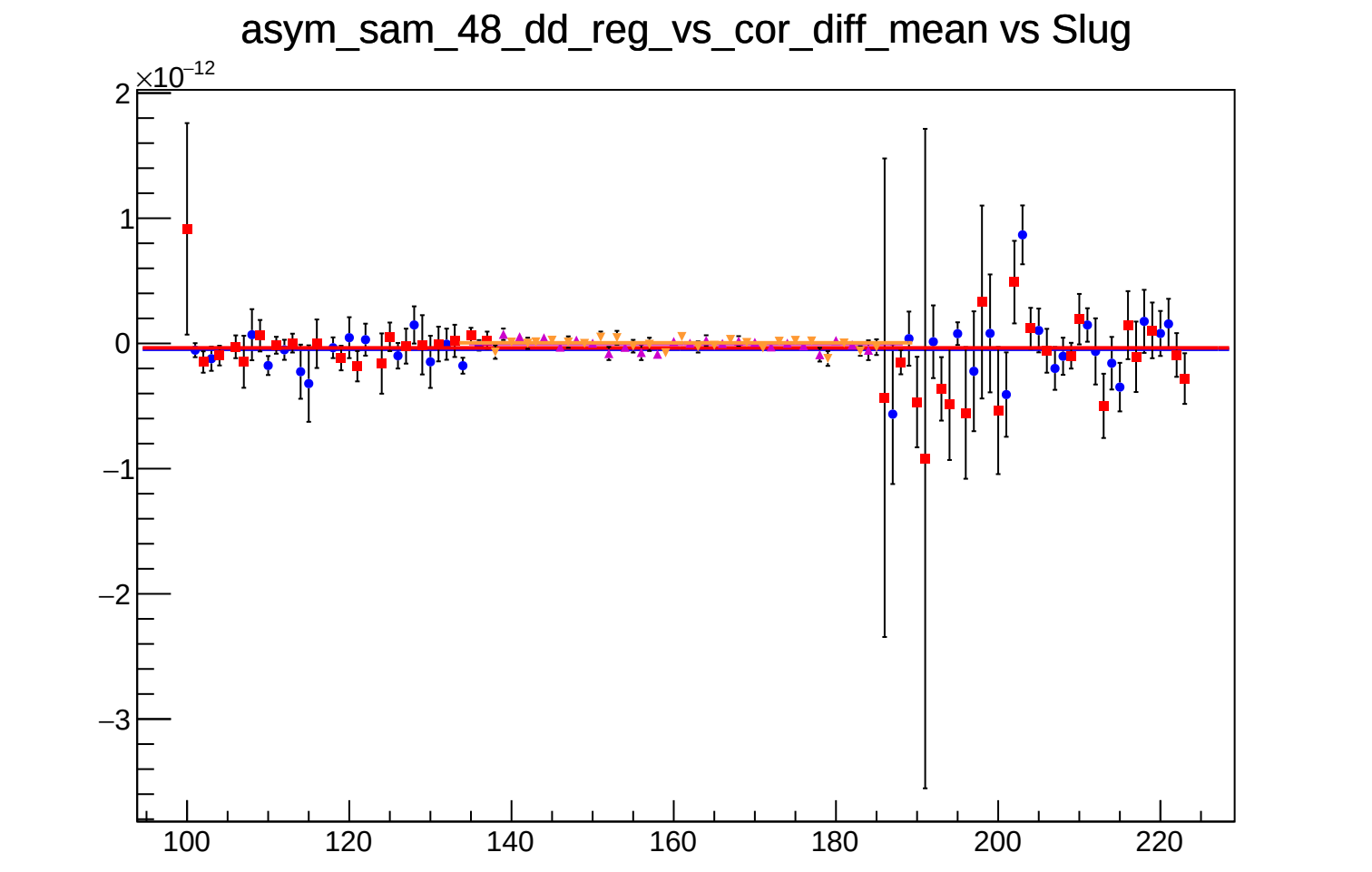
Right Out: 1478.407+/-0.233 χ^2/NDF: 5305361.2/38

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1093.756+/-0.128 χ^2/NDF: 9027926.2/58

All: 1095.059+/-0.091 χ^2/NDF: 18865509.3/1

- sign 1096.390+/-0.129 χ^2/NDF: 9837372.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 41.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

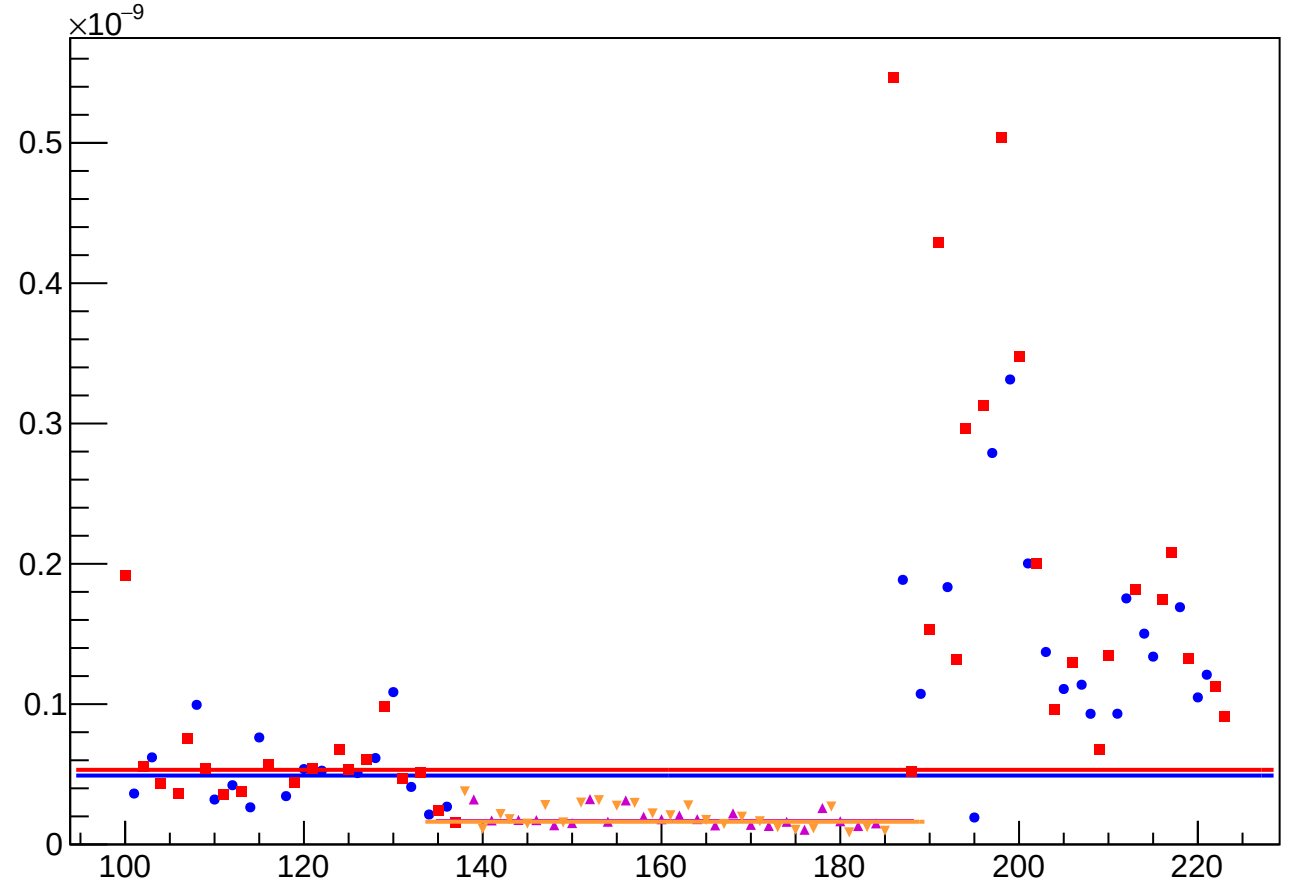
Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/38

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.9/58

All: -0.000+/-0.000 χ^2/NDF: 134.0/120

- sign -0.000+/-0.000 χ^2/NDF: 60.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 7516650.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

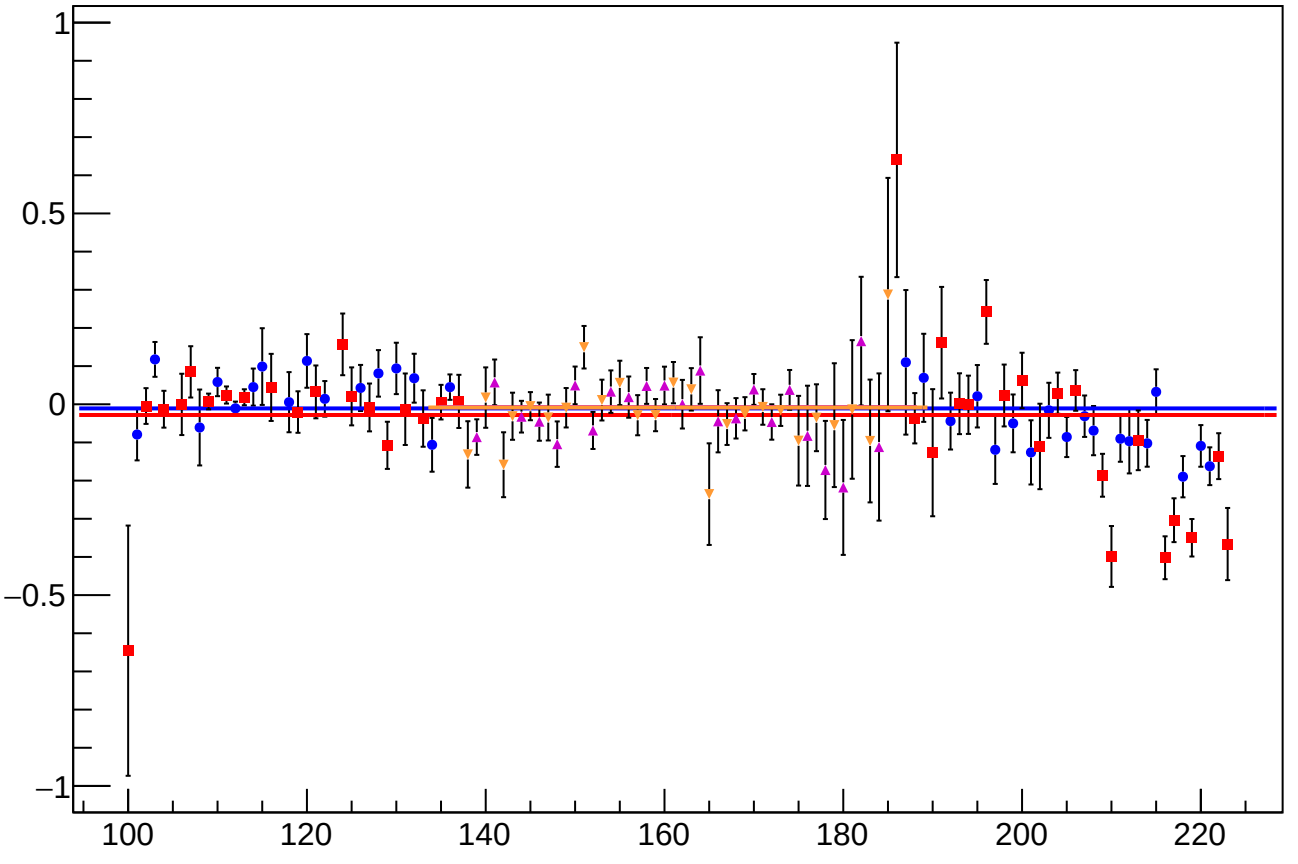
Right Out: 0.000+/-0.000 χ^2/NDF: 7884873.8/38

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14605496.2/58

All: 0.000+/-0.000 χ^2/NDF: 29049771.2/120

- sign 0.000+/-0.000 χ^2/NDF: 14425561.5/61



Right In: -0.011+/-0.009 χ^2/NDF: 67.2/33

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.028+/-0.008 χ^2/NDF: 209.0/38

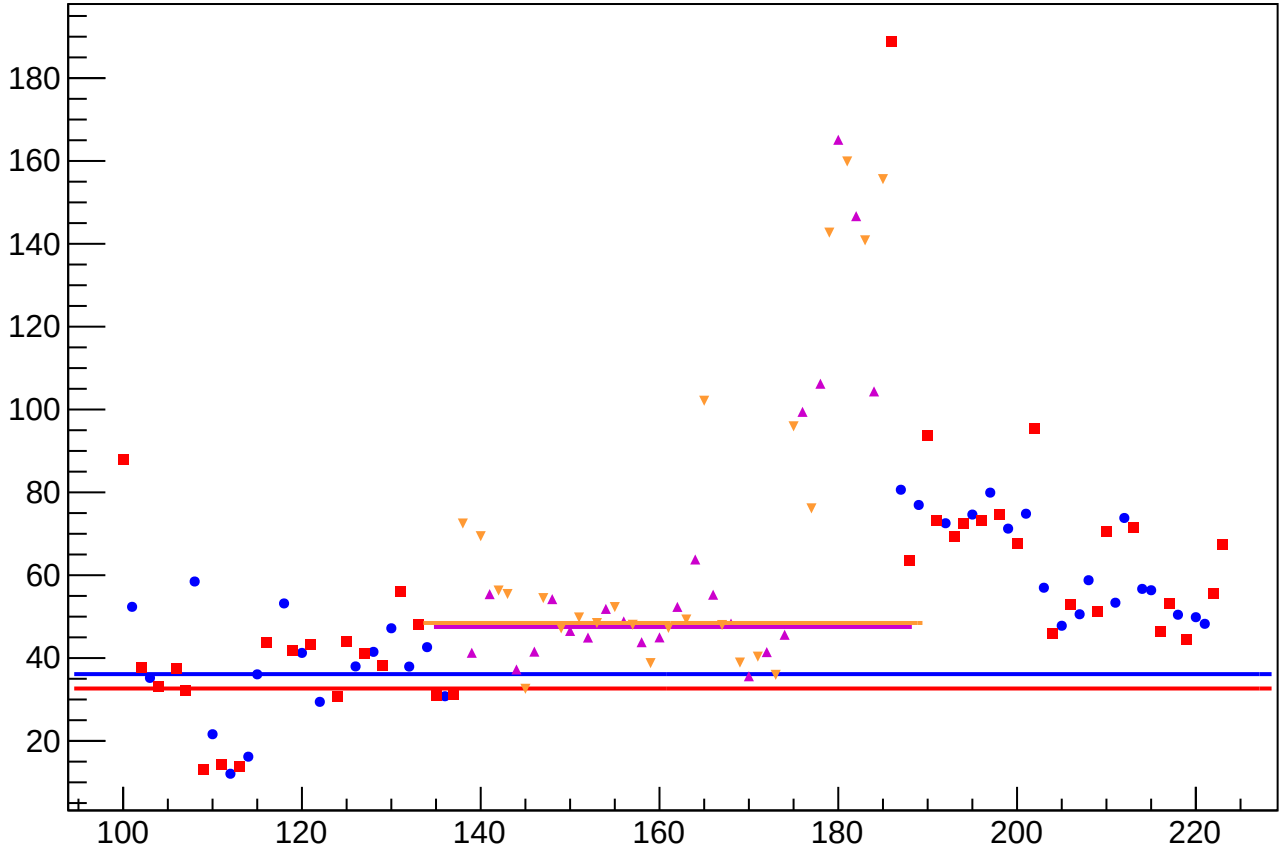
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.010+/-0.007 χ^2/NDF: 90.4/58

All: -0.016+/-0.005 χ^2/NDF: 326.0/120

- sign -0.021+/-0.007 χ^2/NDF: 234.2/61

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.124+/-0.006 χ^2/NDF: 9507030.2/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

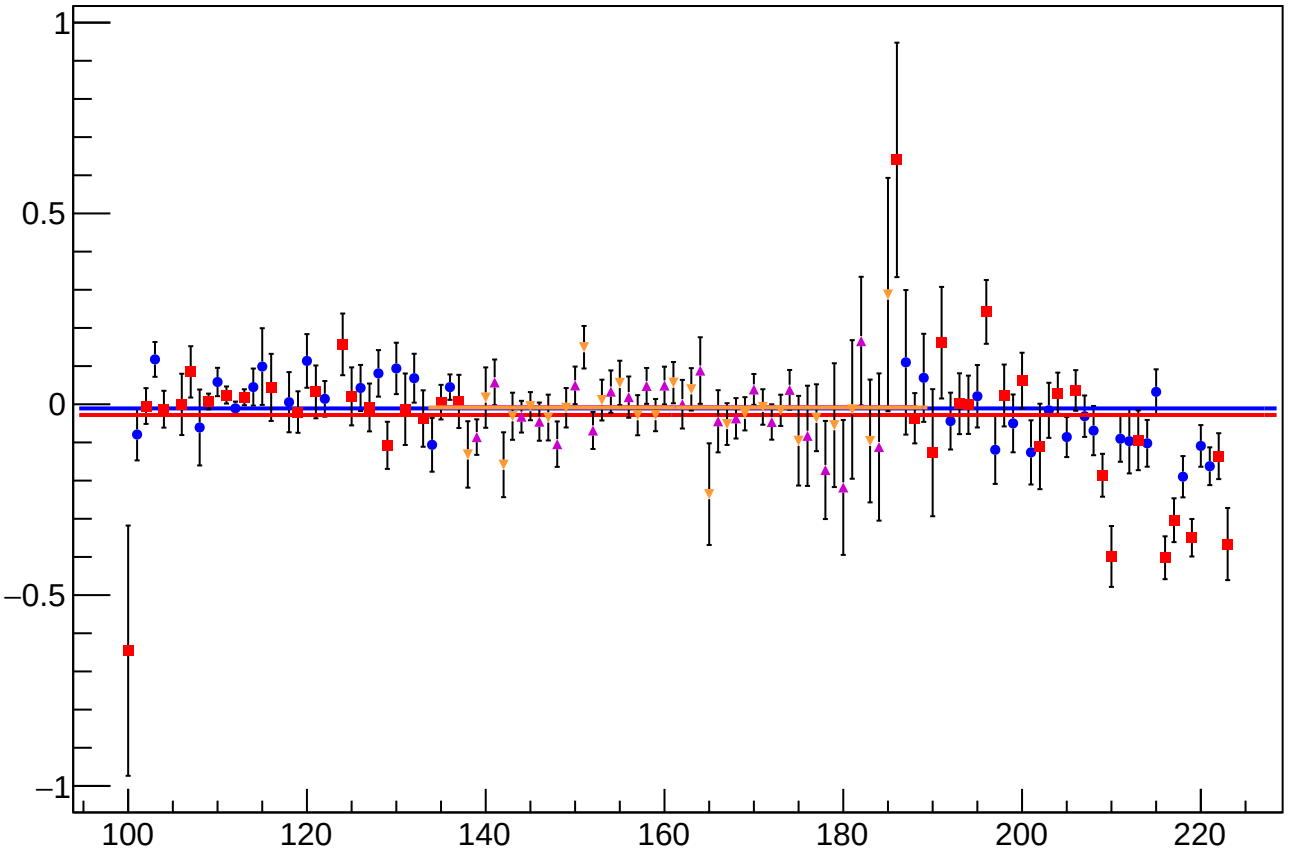
Right Out: 32.651+/-0.006 χ^2/NDF: 12325013.5/38

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.594+/-0.005 χ^2/NDF: 15230128.9/58

All: 38.950+/-0.004 χ^2/NDF: 32886287.8/120

- sign 37.470+/-0.005 χ^2/NDF: 17459377.5/61



Right In: -0.011+/-0.009 χ^2/NDF: 67.2/33

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

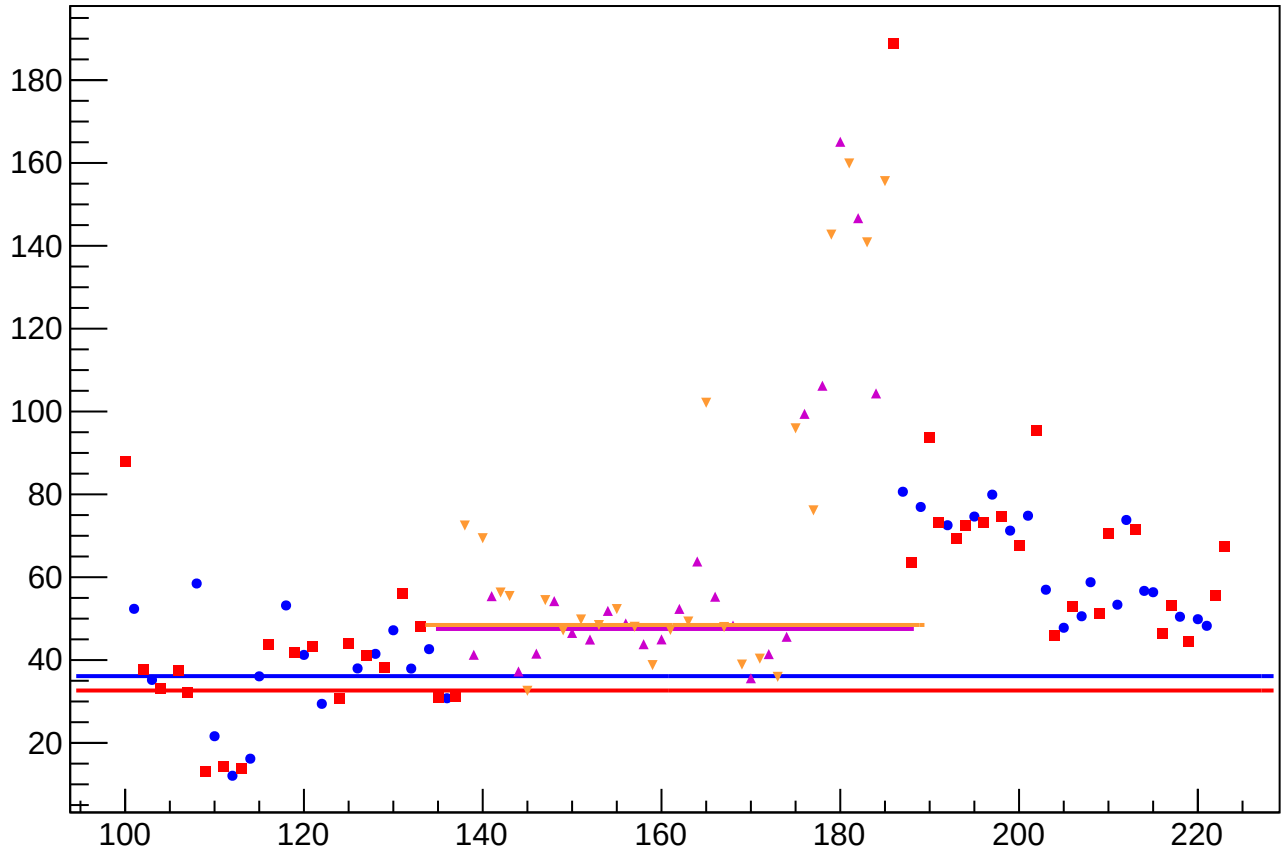
Right Out: -0.028+/-0.008 χ^2/NDF: 209.0/38

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.010+/-0.007 χ^2/NDF: 90.4/58

All: -0.016+/-0.005 χ^2/NDF: 326.0/120

- sign -0.021+/-0.007 χ^2/NDF: 234.2/61



Right In: 36.124+/-0.006 χ^2/NDF: 9507030.2/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

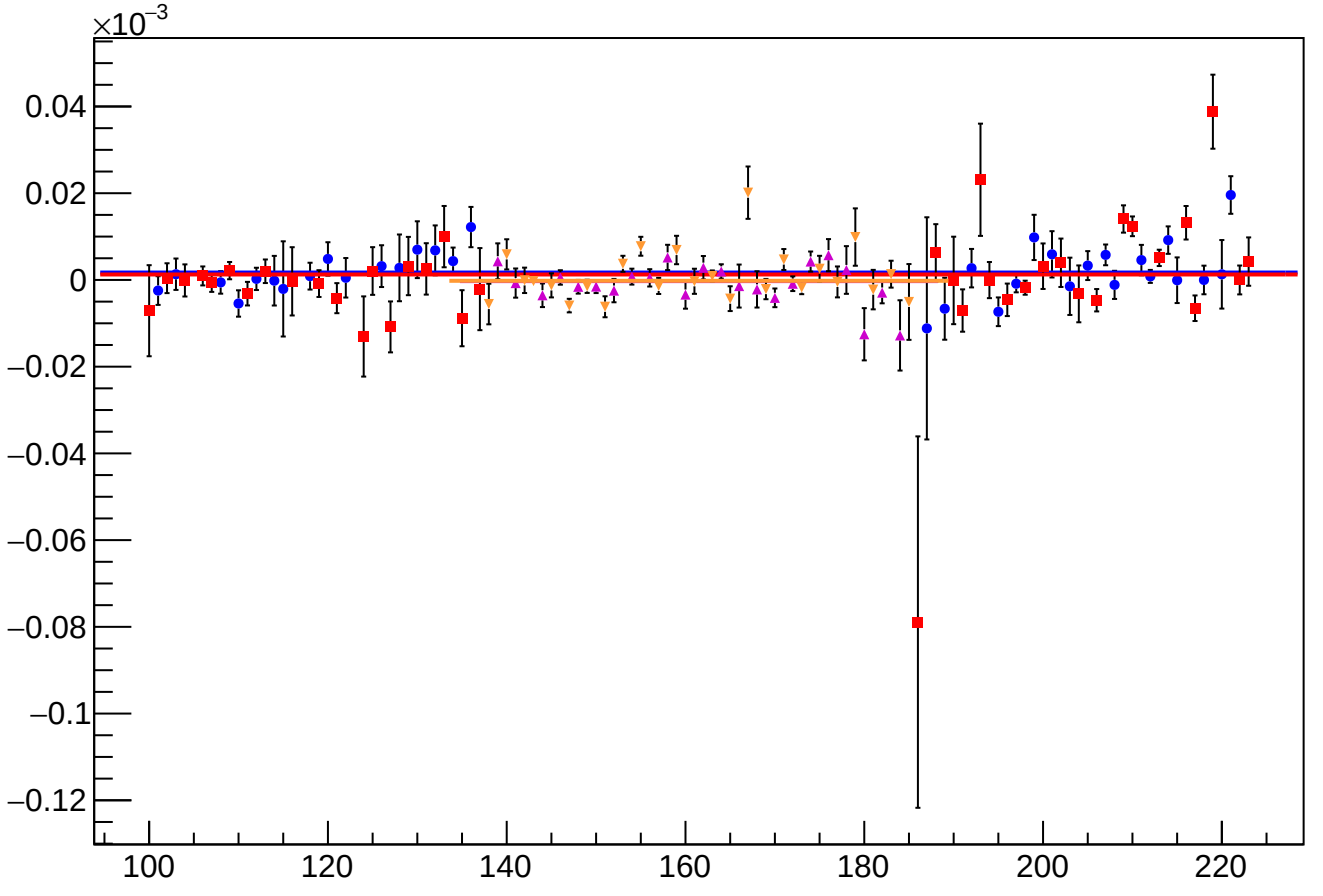
Right Out: 32.651+/-0.006 χ^2/NDF: 12325013.5/38

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.594+/-0.005 χ^2/NDF: 15230128.9/58

All: 38.950+/-0.004 χ^2/NDF: 32886287.8/120

- sign 37.470+/-0.005 χ^2/NDF: 17459377.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 58.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 121.3/38

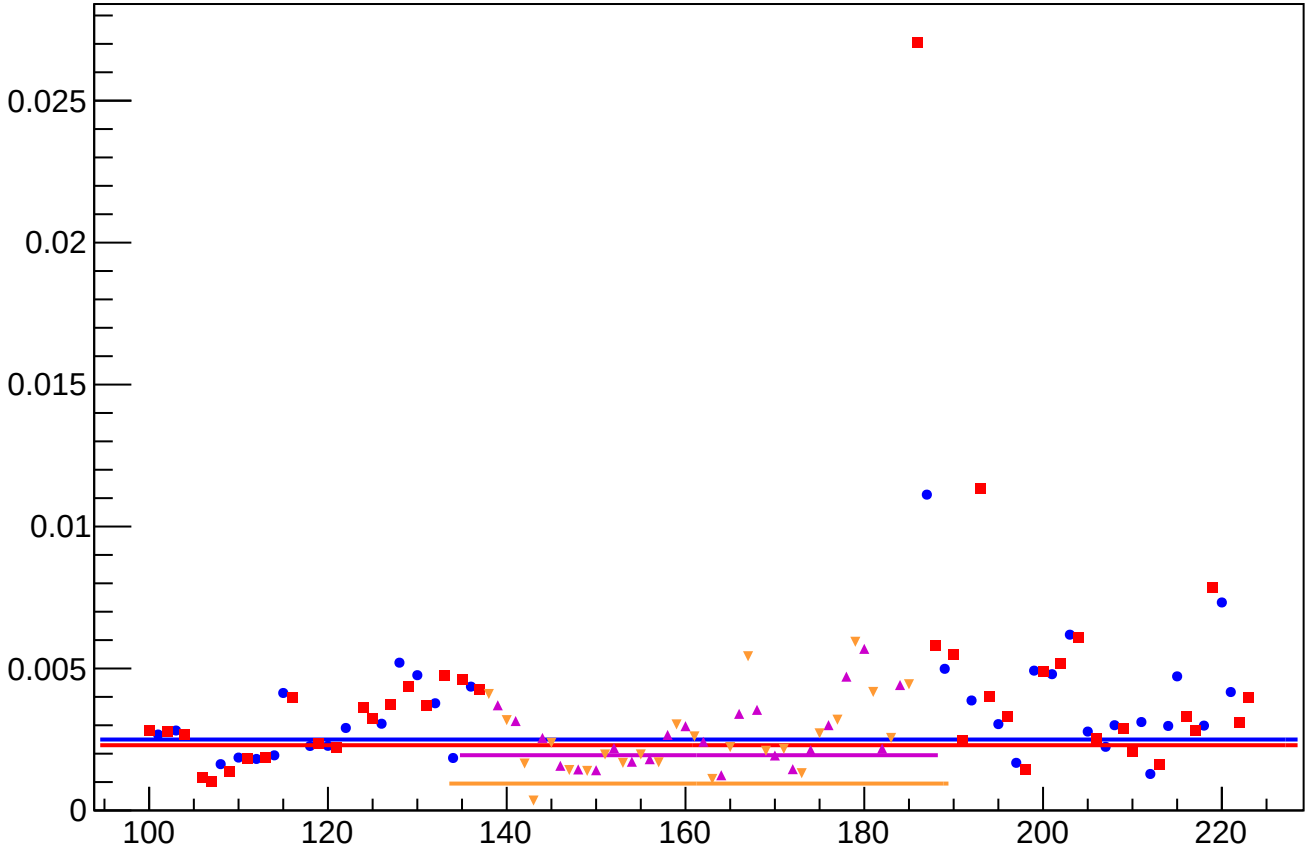
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 138.4/58

All: 0.000+/-0.000 χ^2/NDF: 295.1/120

- sign 0.000+/-0.000 χ^2/NDF: 156.5/61

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7031393.4/33

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

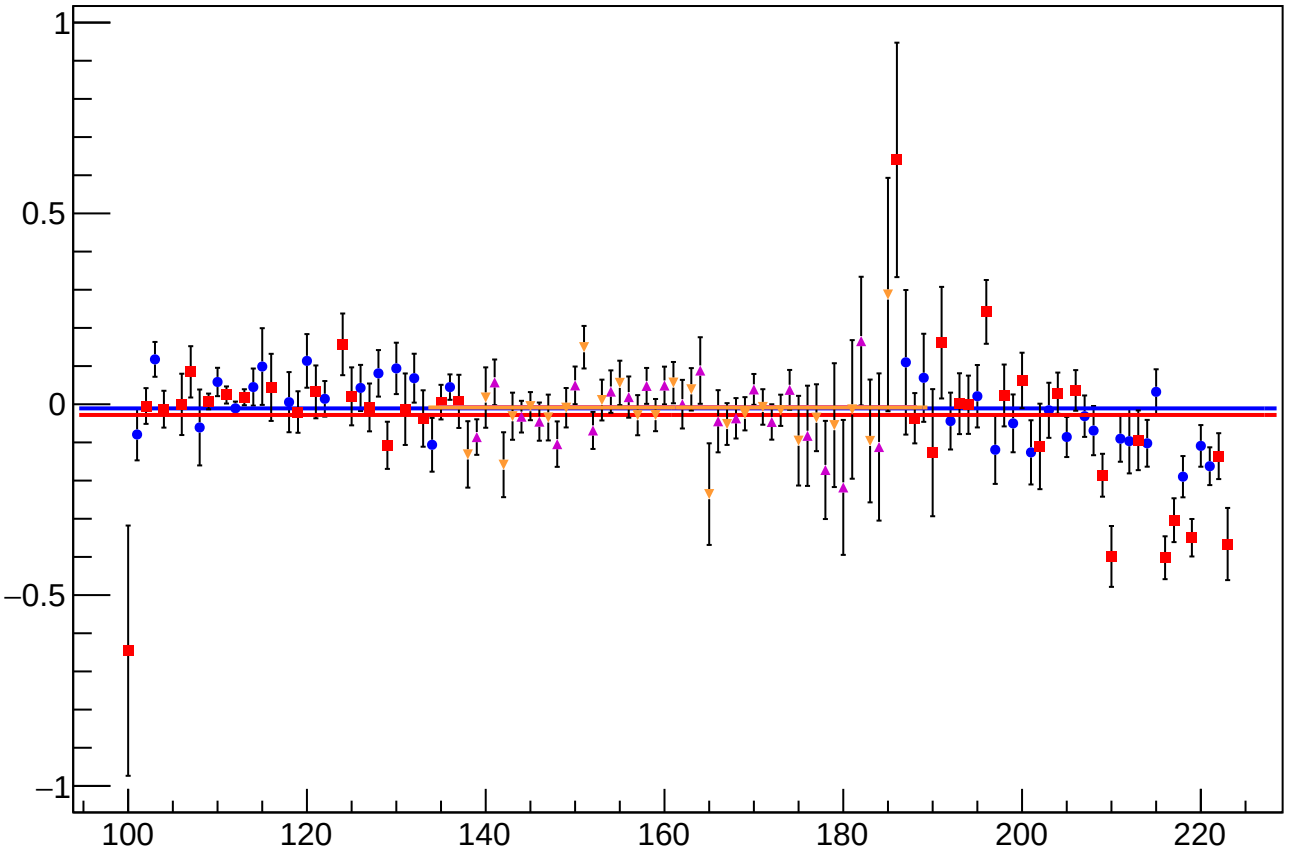
Right Out: 0.002+/-0.000 χ^2/NDF: 9952538.4/38

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 35373879.5/58

All: 0.002+/-0.000 χ^2/NDF: 56899221.6/120

- sign 0.002+/-0.000 χ^2/NDF: 14761116.1/61



Right In: -0.011+/-0.009 χ^2/NDF: 67.2/33

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

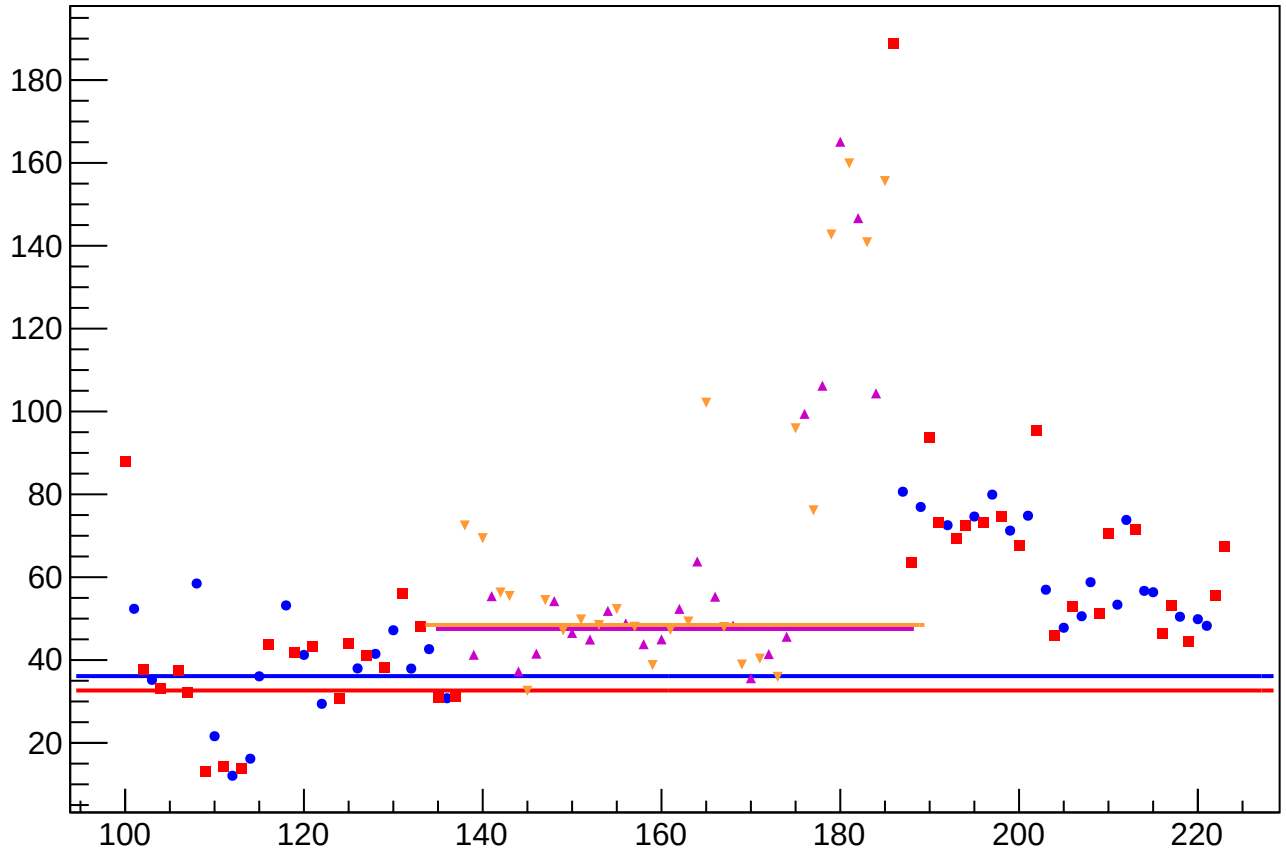
Right Out: -0.028+/-0.008 χ^2/NDF: 209.0/38

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.010+/-0.007 χ^2/NDF: 90.4/58

All: -0.016+/-0.005 χ^2/NDF: 326.0/120

- sign -0.021+/-0.007 χ^2/NDF: 234.2/61



Right In: 36.122+/-0.006 χ^2/NDF: 9507900.0/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

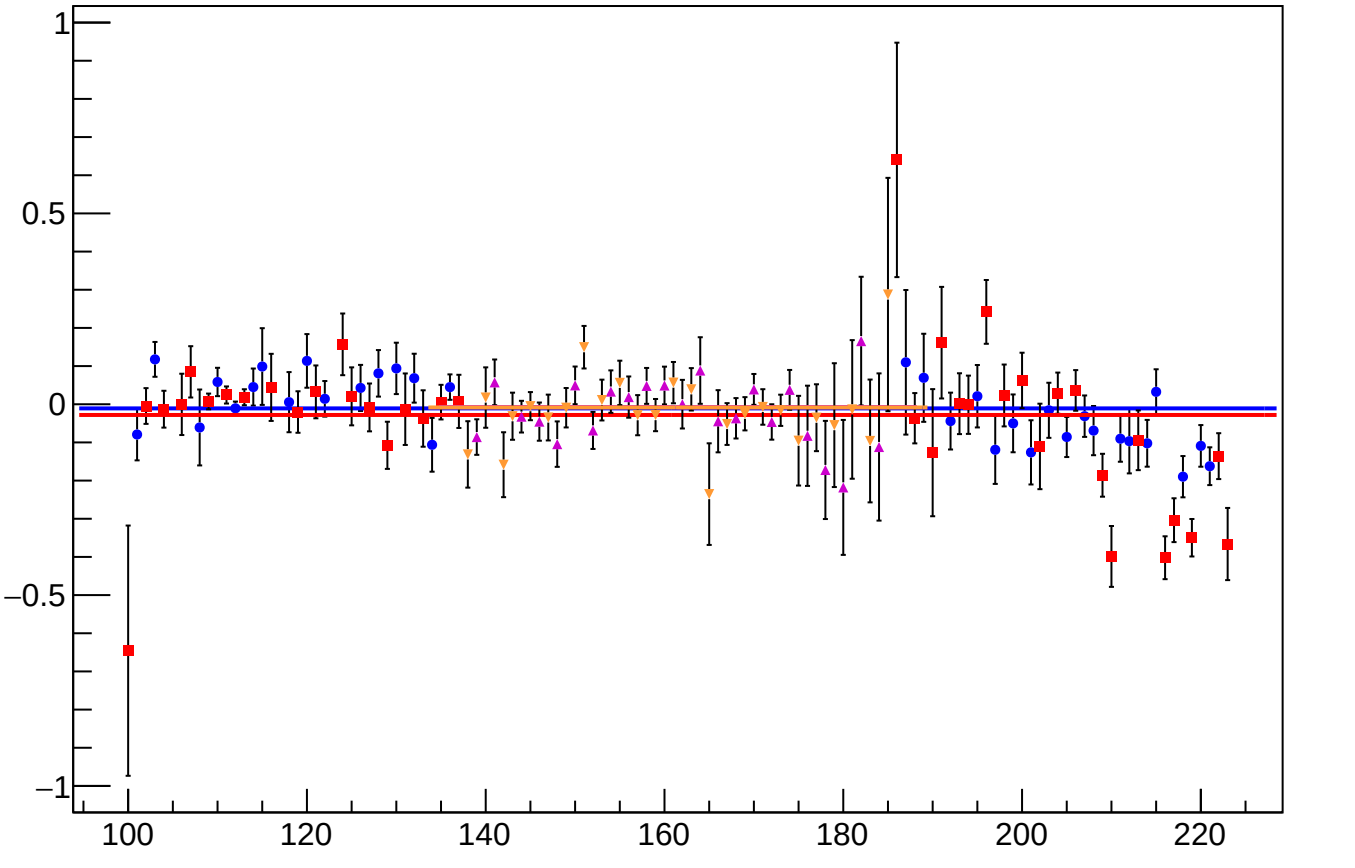
Right Out: 32.651+/-0.006 χ^2/NDF: 12325298.9/38

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.593+/-0.005 χ^2/NDF: 15231340.8/58

All: 38.949+/-0.004 χ^2/NDF: 32887821.8/120

- sign 37.470+/-0.005 χ^2/NDF: 17459787.3/61



Right In: -0.011+/-0.009 χ^2/NDF: 67.2/33

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

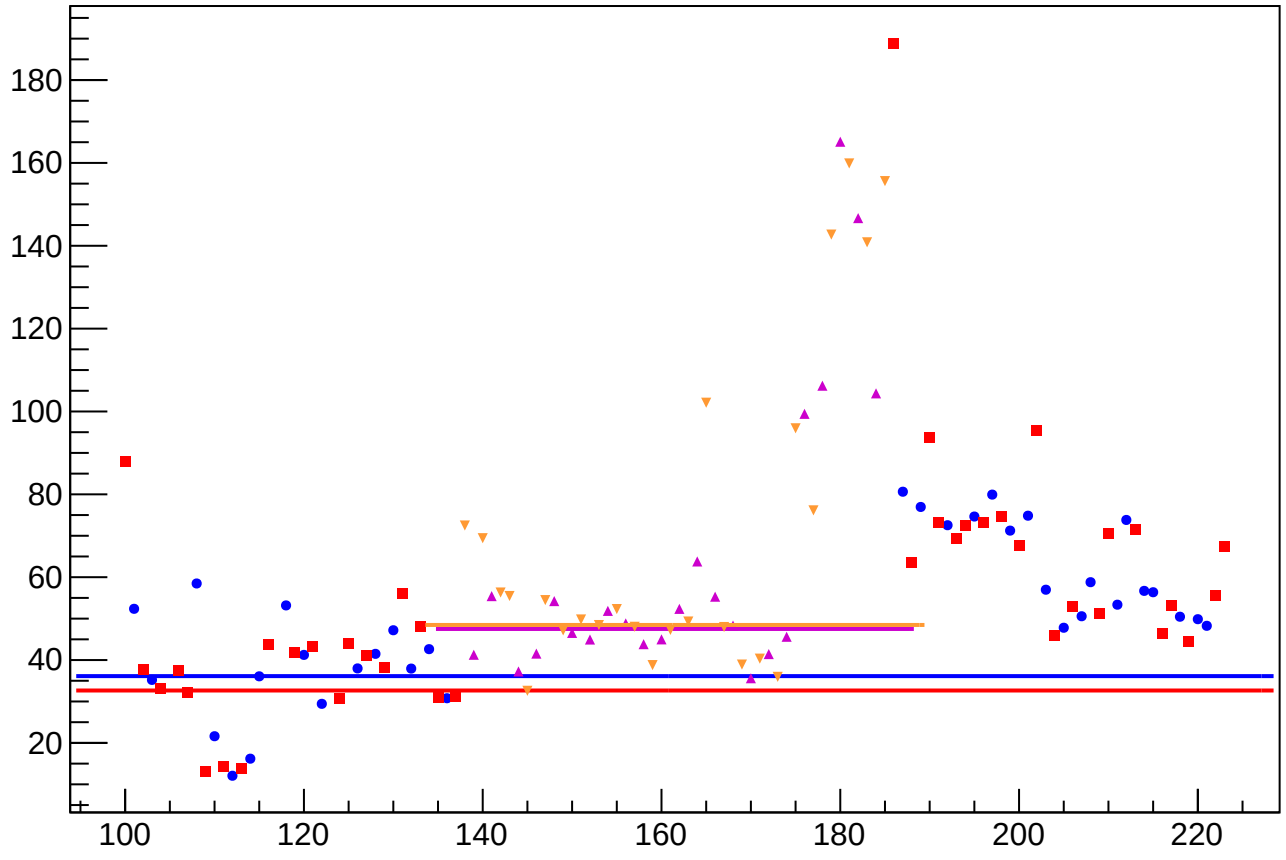
Right Out: -0.028+/-0.008 χ^2/NDF: 209.0/38

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.010+/-0.007 χ^2/NDF: 90.4/58

All: -0.016+/-0.005 χ^2/NDF: 326.0/120

- sign -0.021+/-0.007 χ^2/NDF: 234.2/61



Right In: 36.122+/-0.006 χ^2/NDF: 9507900.0/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

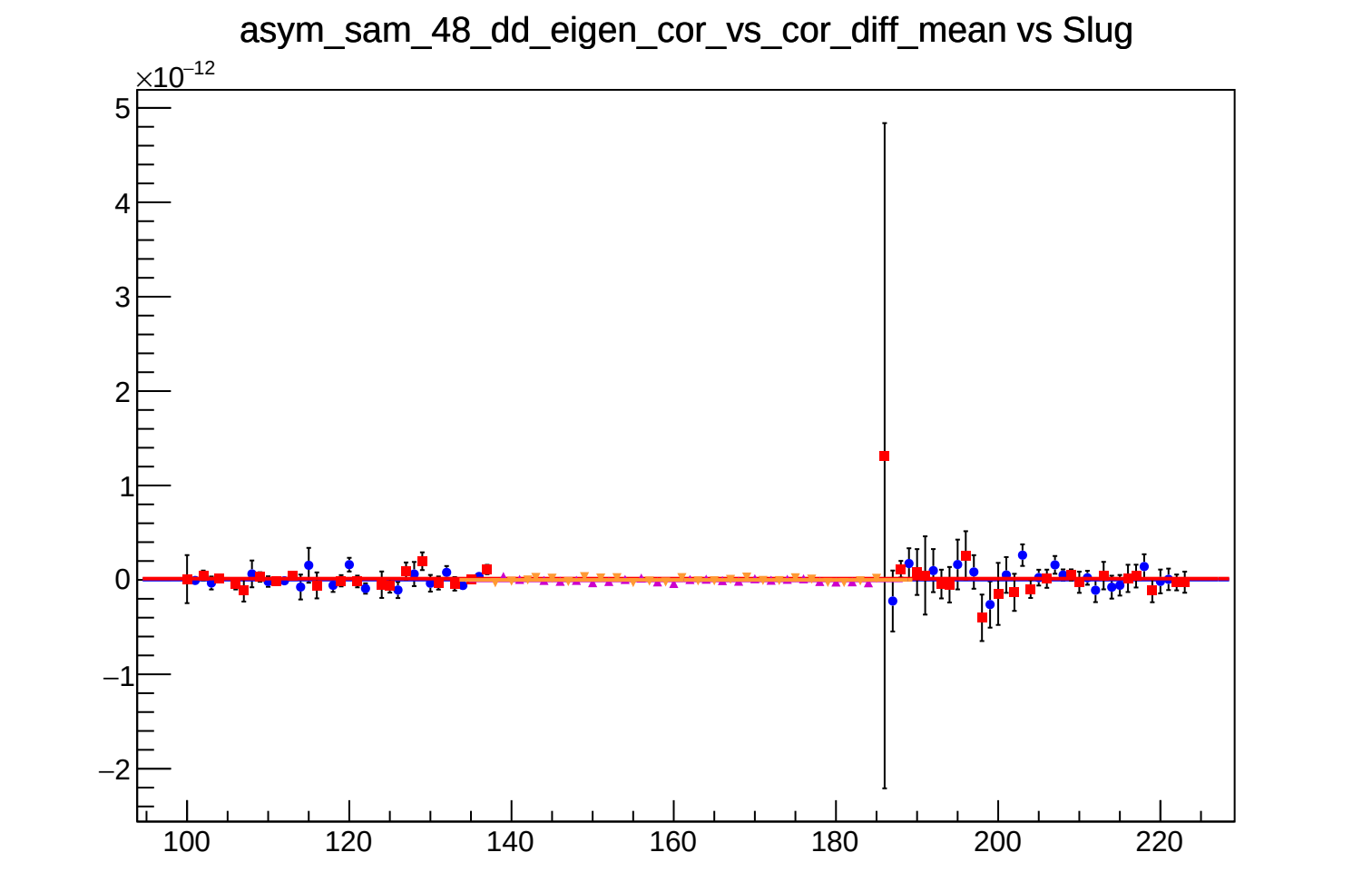
Right Out: 32.651+/-0.006 χ^2/NDF: 12325298.9/38

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.593+/-0.005 χ^2/NDF: 15231340.8/58

All: 38.949+/-0.004 χ^2/NDF: 32887821.8/120

- sign 37.470+/-0.005 χ^2/NDF: 17459787.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

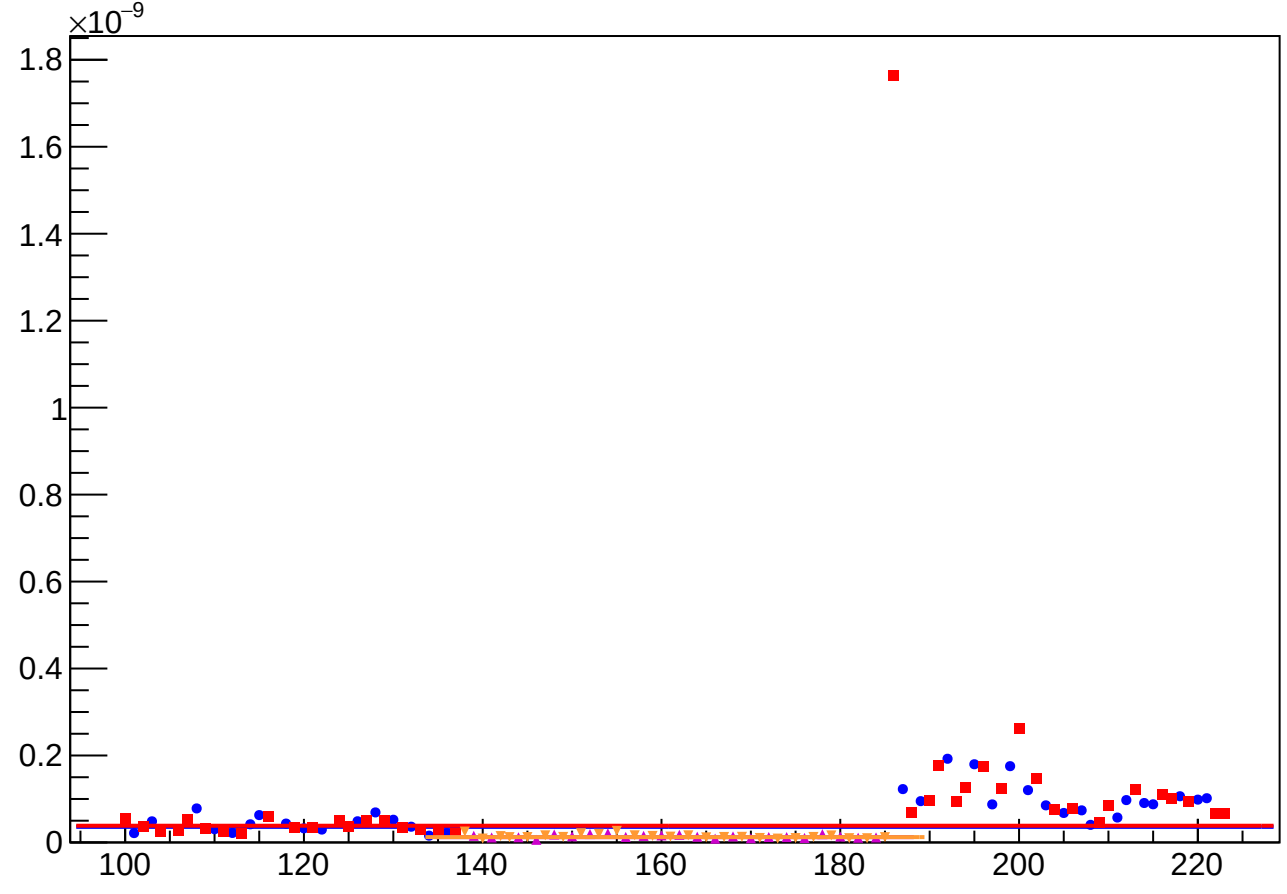
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/38

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/58

All: -0.000+/-0.000 χ^2/NDF: 112.4/120

- sign -0.000+/-0.000 χ^2/NDF: 46.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 10200142.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9474496.6/38

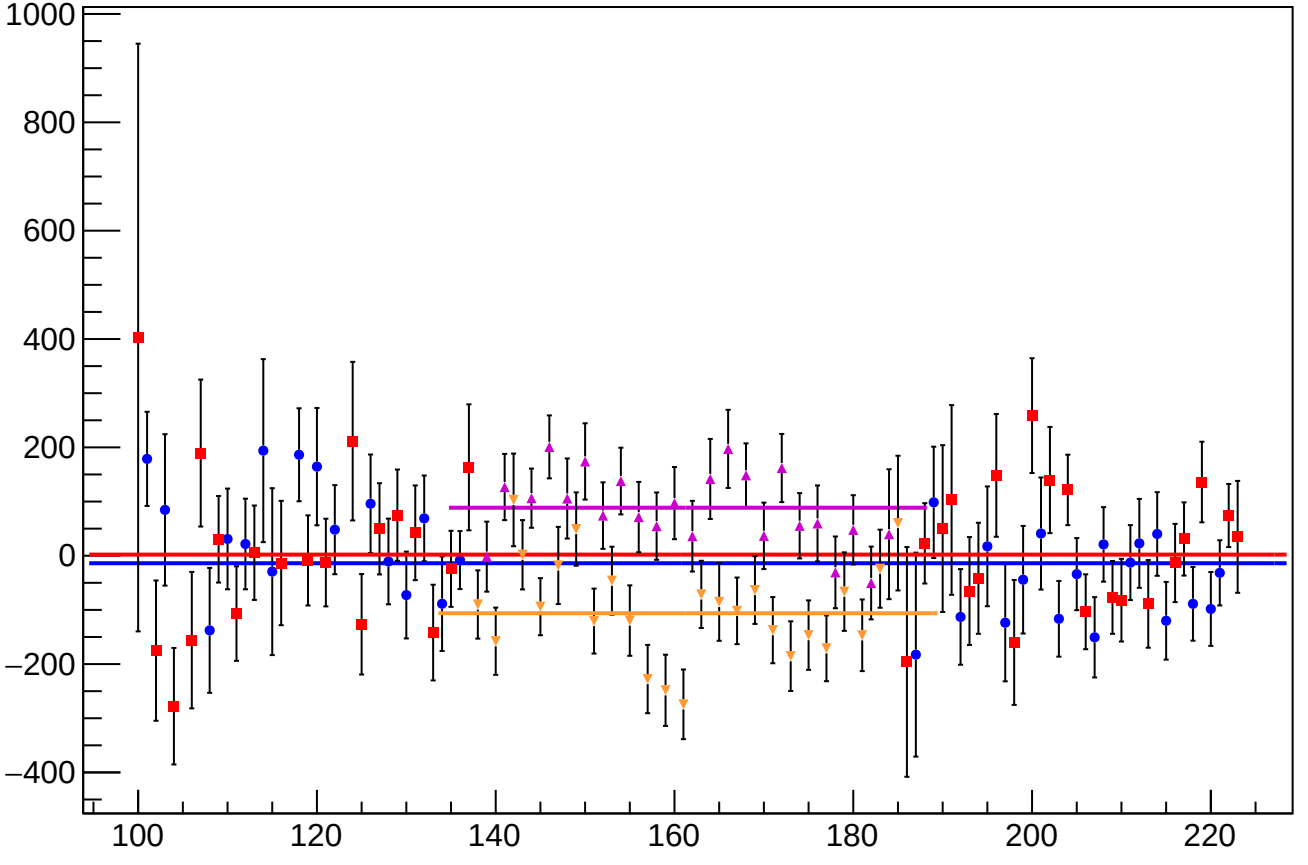
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19815004.3/58

All: 0.000+/-0.000 χ^2/NDF: 40045074.8/120

- sign 0.000+/-0.000 χ^2/NDF: 20228319.7/61

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -13.870+/-14.279 χ^2/NDF: 37.4/33

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.082+/-14.385 χ^2/NDF: 52.5/38

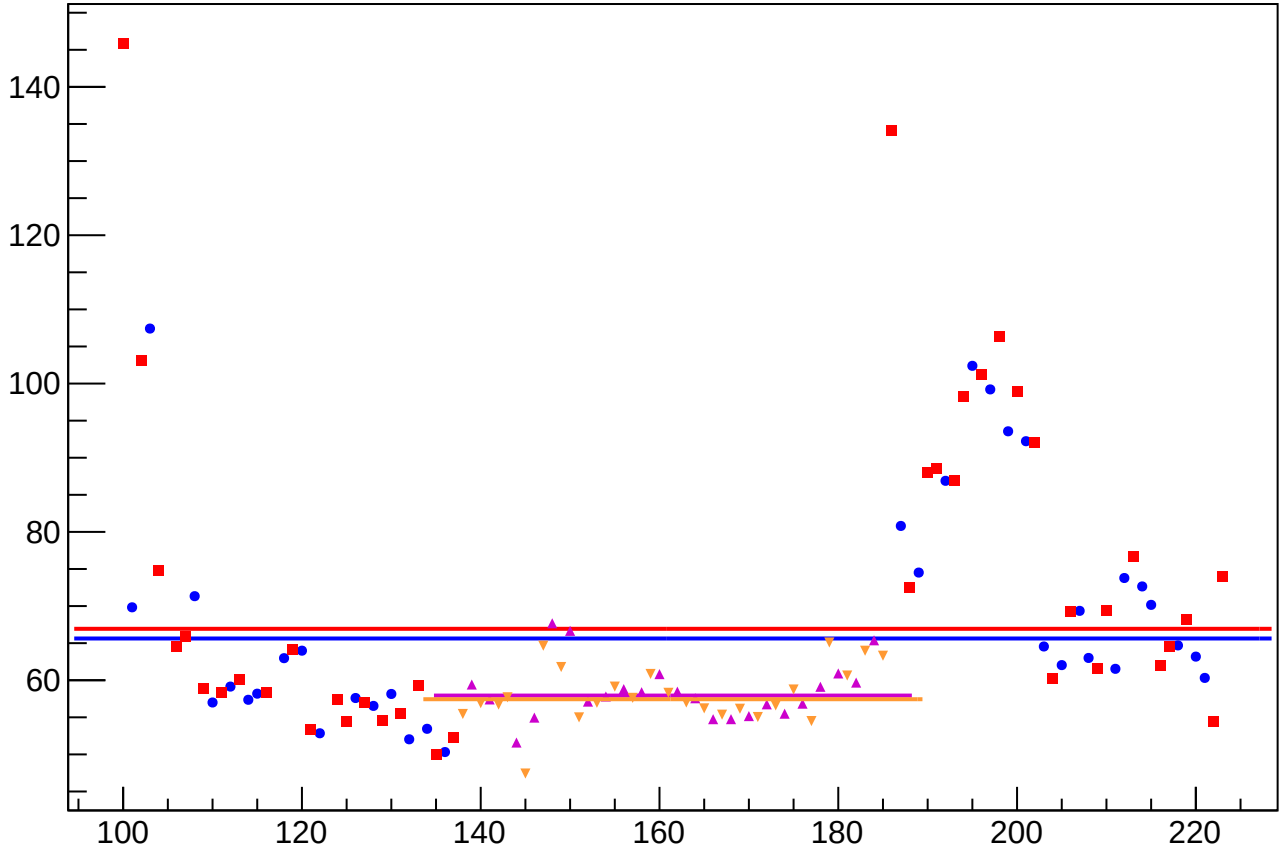
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -63.986+/-9.649 χ^2/NDF: 100.8/58

All: -9.317+/-6.899 χ^2/NDF: 262.1/120

- sign 47.883+/-9.869 χ^2/NDF: 95.6/61

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.628+/-0.010 χ^2/NDF: 1531000.1/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.934+/-0.010 χ^2/NDF: 2104675.6/38

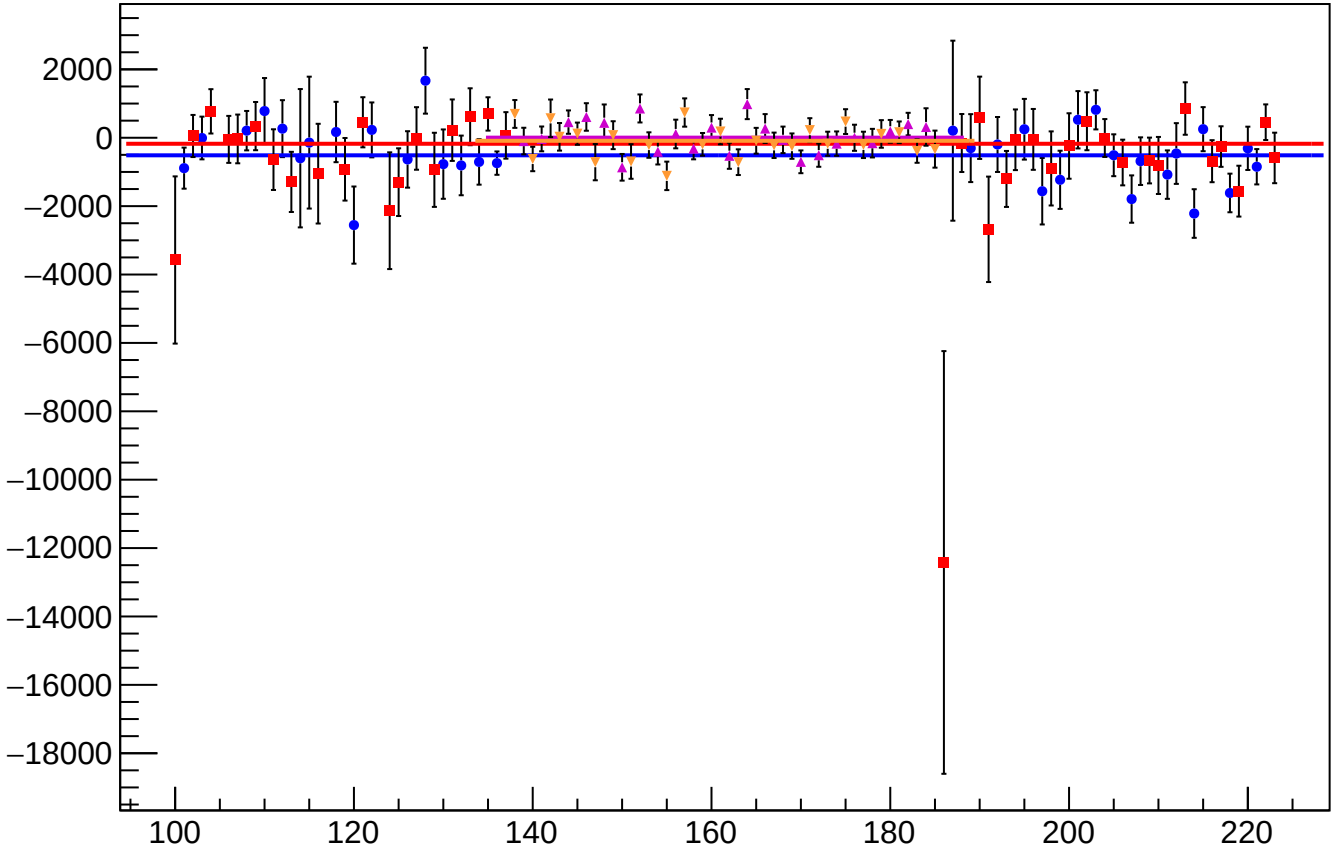
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 61.179+/-0.007 χ^2/NDF: 2062915.1/58

All: 61.663+/-0.005 χ^2/NDF: 4728299.7/120

\- sign 62.170+/-0.007 χ^2/NDF: 2655072.3/61

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -513.630+/-123.664 χ^2/NDF: 41.3/33

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -175.874+/-125.576 χ^2/NDF: 35.3/38

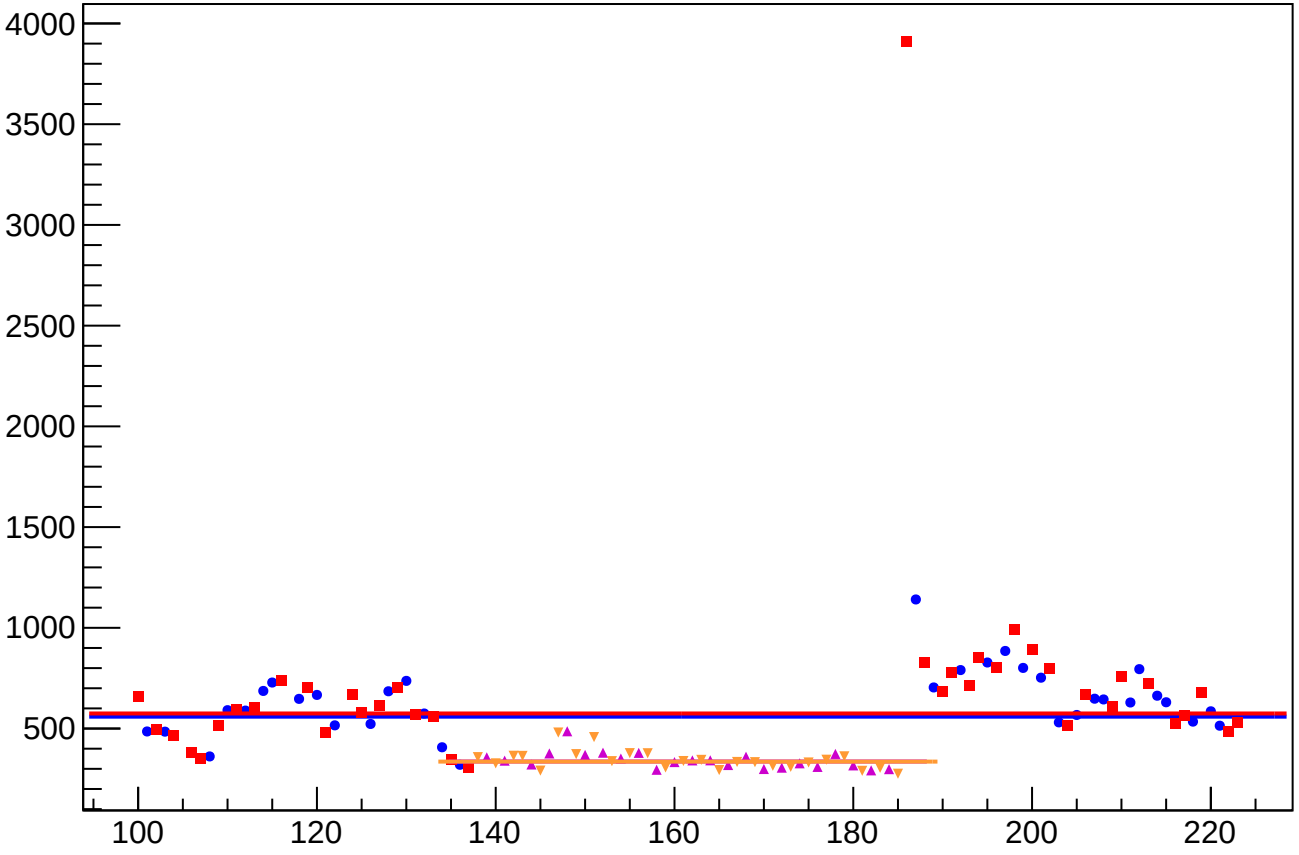
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -207.702+/-65.371 χ^2/NDF: 79.7/58

All: -129.732+/-46.785 χ^2/NDF: 153.0/120

- sign -47.864+/-66.985 χ^2/NDF: 70.3/61

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 559.038+/-0.087 χ^2/NDF: 2850579.7/33

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 574.816+/-0.089 χ^2/NDF: 3565720.5/38

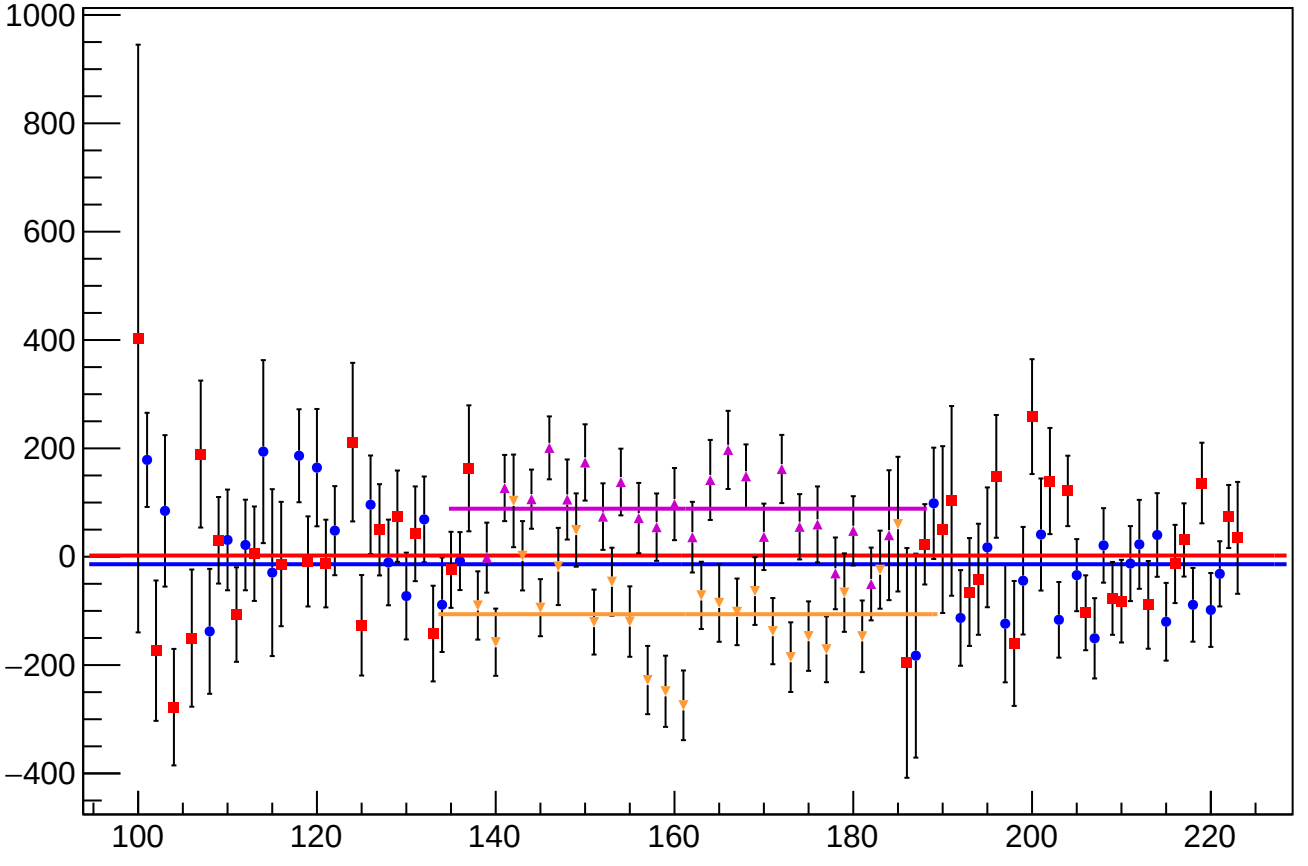
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 398.250+/-0.046 χ^2/NDF: 8076696.6/58

All: 401.152+/-0.033 χ^2/NDF: 17225029.7/12

- sign 404.198+/-0.047 χ^2/NDF: 9140254.8/61

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -13.874+/-14.279 χ^2/NDF: 37.4/33

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.203+/-14.386 χ^2/NDF: 52.4/38

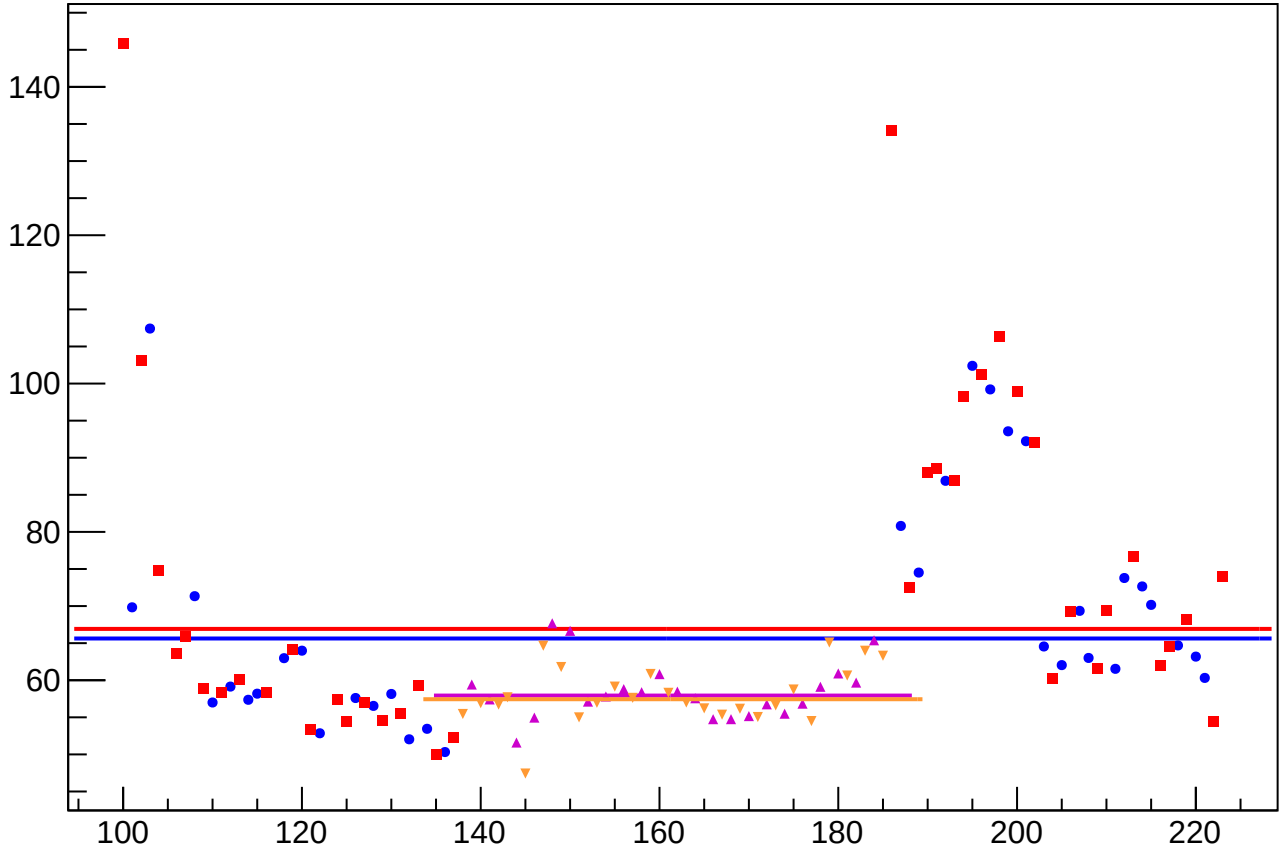
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -63.988+/-9.649 χ^2/NDF: 100.8/58

All: -9.290+/-6.899 χ^2/NDF: 261.9/120

- sign 47.944+/-9.870 χ^2/NDF: 95.4/61

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.628+/-0.010 χ^2/NDF: 1531002.0/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.922+/-0.010 χ^2/NDF: 2105579.4/38

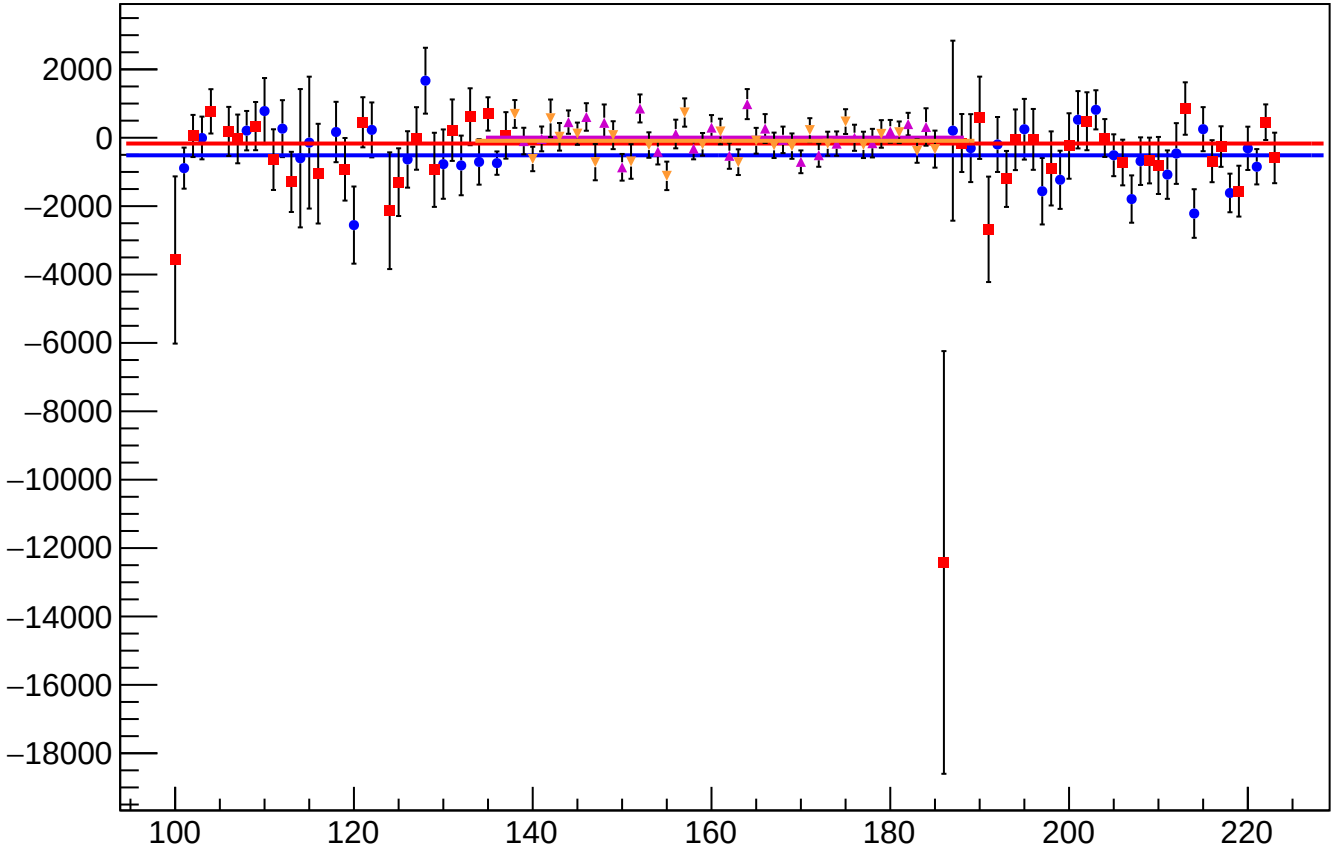
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 61.179+/-0.007 χ^2/NDF: 2062917.2/58

All: 61.660+/-0.005 χ^2/NDF: 4727915.6/120

\- sign 62.164+/-0.007 χ^2/NDF: 2654813.6/61

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -513.618+/-123.664 χ^2/NDF: 41.3/33

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -169.109+/-125.758 χ^2/NDF: 35.5/38

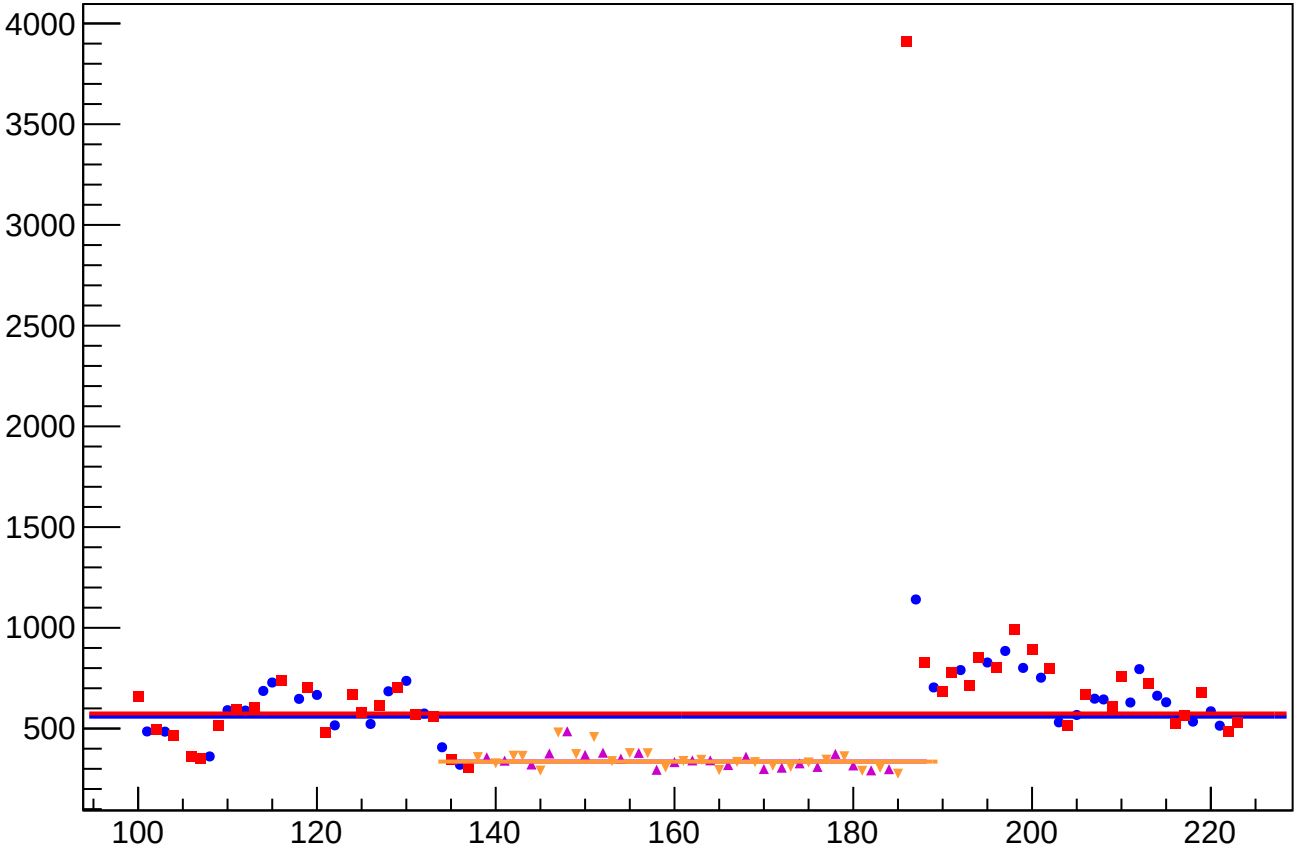
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -207.699+/-65.371 χ^2/NDF: 79.7/58

All: -128.775+/-46.794 χ^2/NDF: 153.1/120

- sign -45.837+/-67.013 χ^2/NDF: 70.4/61

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 559.040+/-0.087 χ^2/NDF: 2850546.2/33

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 574.745+/-0.089 χ^2/NDF: 3585028.2/38

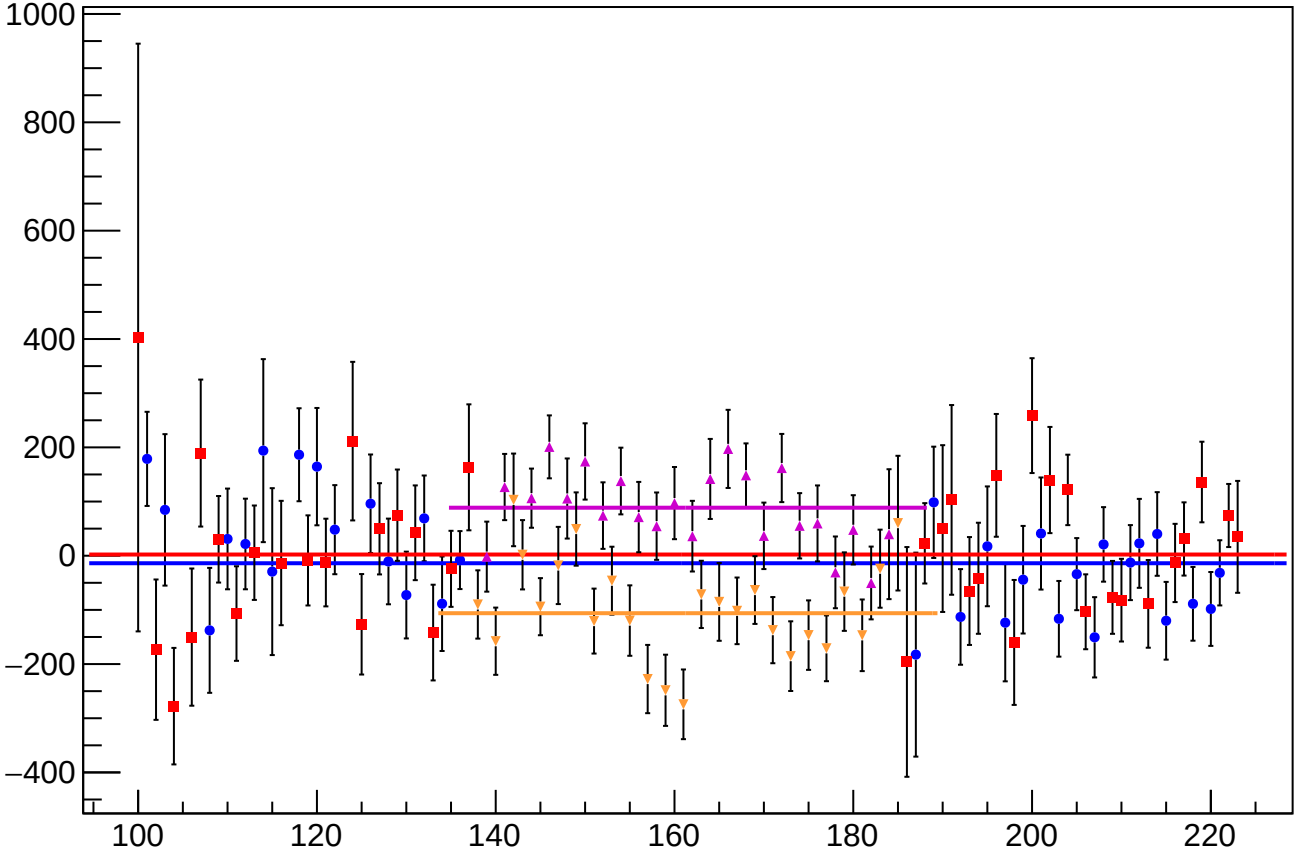
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 398.250+/-0.046 χ^2/NDF: 8076718.2/58

All: 401.072+/-0.033 χ^2/NDF: 17230159.1/12

- sign 404.038+/-0.047 χ^2/NDF: 9145797.5/61

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -13.874+/-14.279 χ^2/NDF: 37.4/33

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.203+/-14.386 χ^2/NDF: 52.4/38

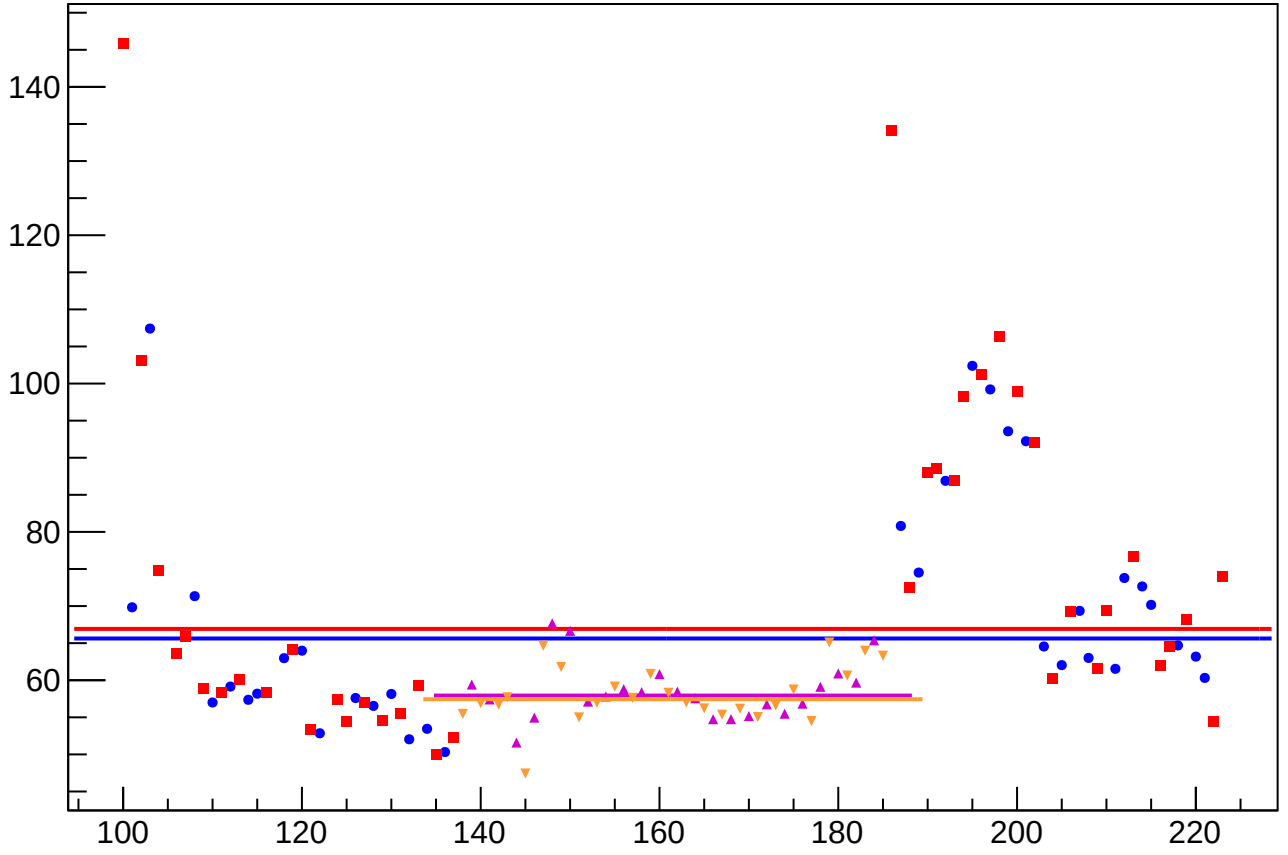
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -63.988+/-9.649 χ^2/NDF: 100.8/58

All: -9.290+/-6.899 χ^2/NDF: 261.9/120

- sign 47.944+/-9.870 χ^2/NDF: 95.4/61

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.628+/-0.010 χ^2/NDF: 1531002.0/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

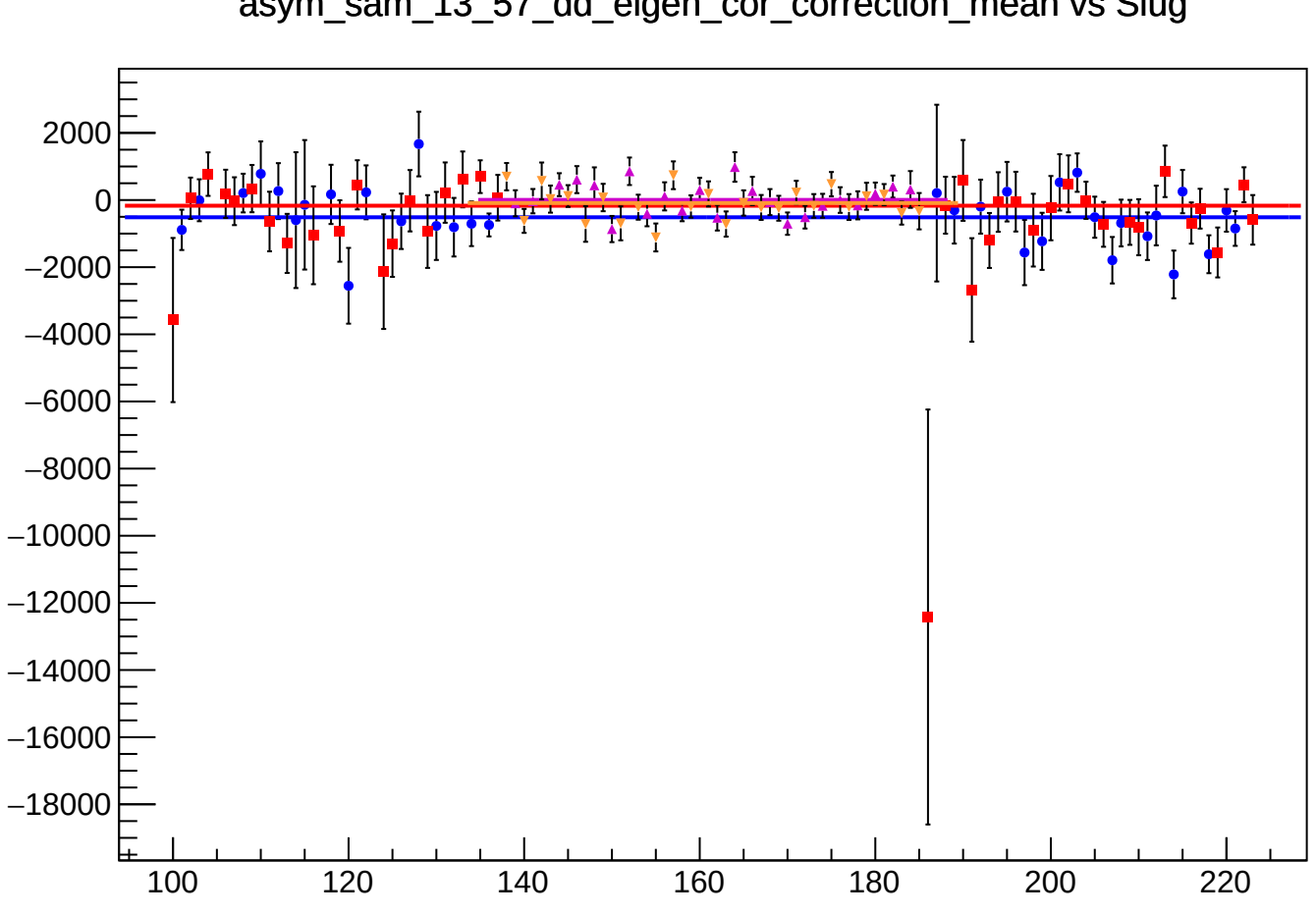
Right Out: 66.922+/-0.010 χ^2/NDF: 2105579.4/38

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.179+/-0.007 χ^2/NDF: 2062917.2/58

All: 61.660+/-0.005 χ^2/NDF: 4727915.6/120

- sign 62.164+/-0.007 χ^2/NDF: 2654813.6/61



Right In: -513.618+/-123.664 χ^2/NDF: 41.3/33

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

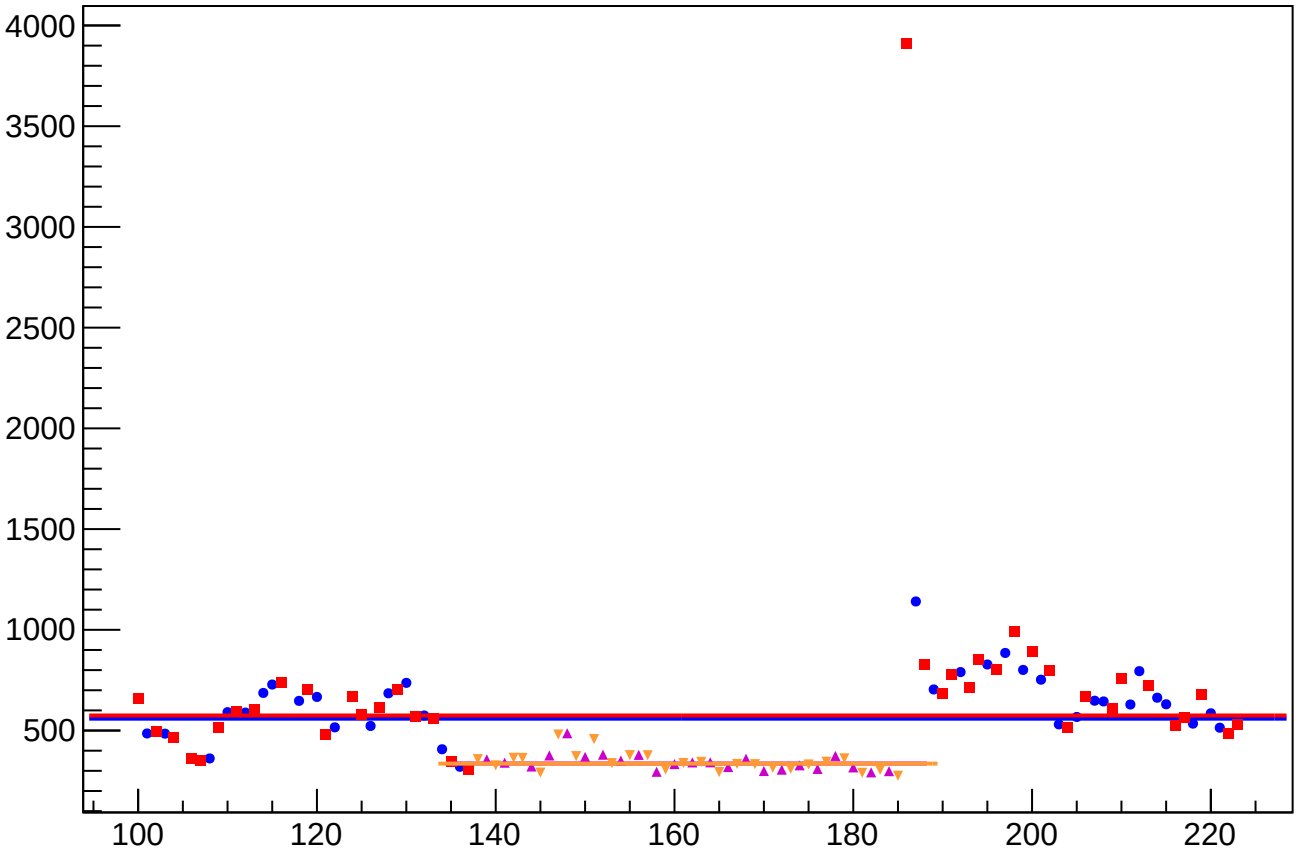
Right Out: -169.109+/-125.758 χ^2/NDF: 35.5/38

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -207.699+/-65.371 χ^2/NDF: 79.7/58

All: -128.775+/-46.794 χ^2/NDF: 153.1/120

- sign -45.837+/-67.013 χ^2/NDF: 70.4/61



Right In: 559.040+/-0.087 χ^2/NDF: 2850546.2/33

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 574.745+/-0.089 χ^2/NDF: 3585028.2/38

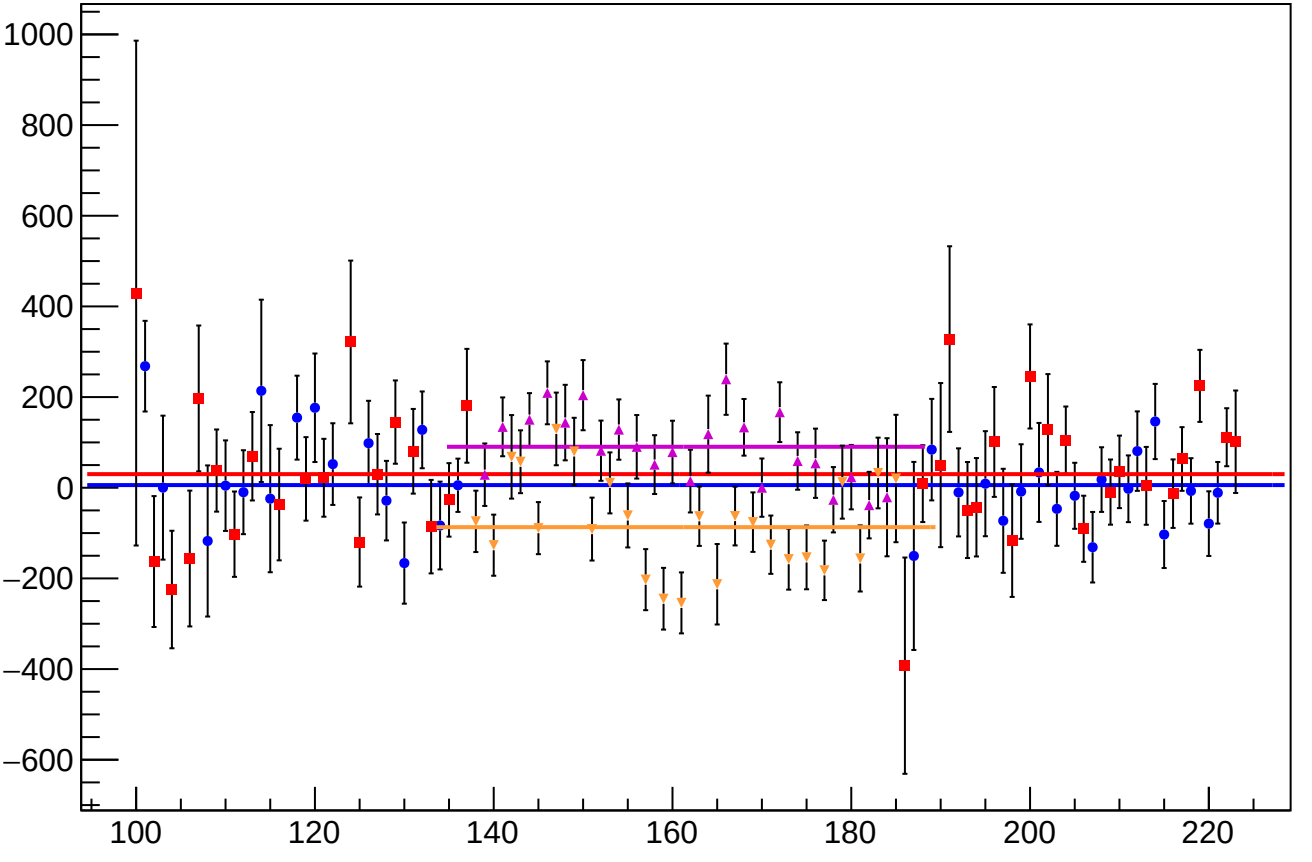
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 398.250+/-0.046 χ^2/NDF: 8076718.2/58

All: 401.072+/-0.033 χ^2/NDF: 17230159.1/12

- sign 404.038+/-0.047 χ^2/NDF: 9145797.5/61

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 5.864+/-15.516 χ^2/NDF: 33.8/33

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 30.008+/-15.747 χ^2/NDF: 46.2/38

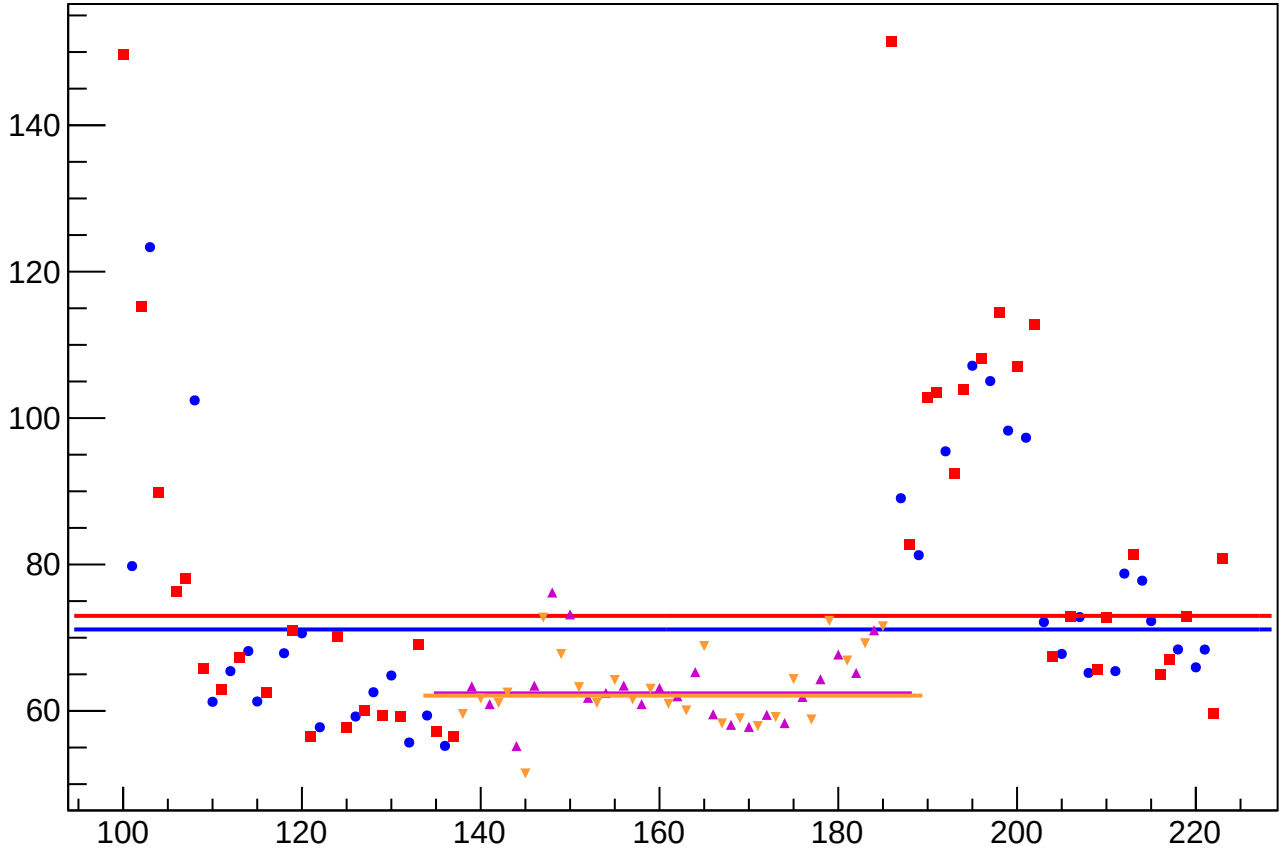
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -44.731+/-10.465 χ^2/NDF: 102.1/58

All: 7.477+/-7.491 χ^2/NDF: 232.3/120

- sign 62.348+/-10.729 χ^2/NDF: 79.1/61

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.128+/-0.011 χ^2/NDF: 1539167.6/33

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 72.983+/-0.011 χ^2/NDF: 2203384.1/38

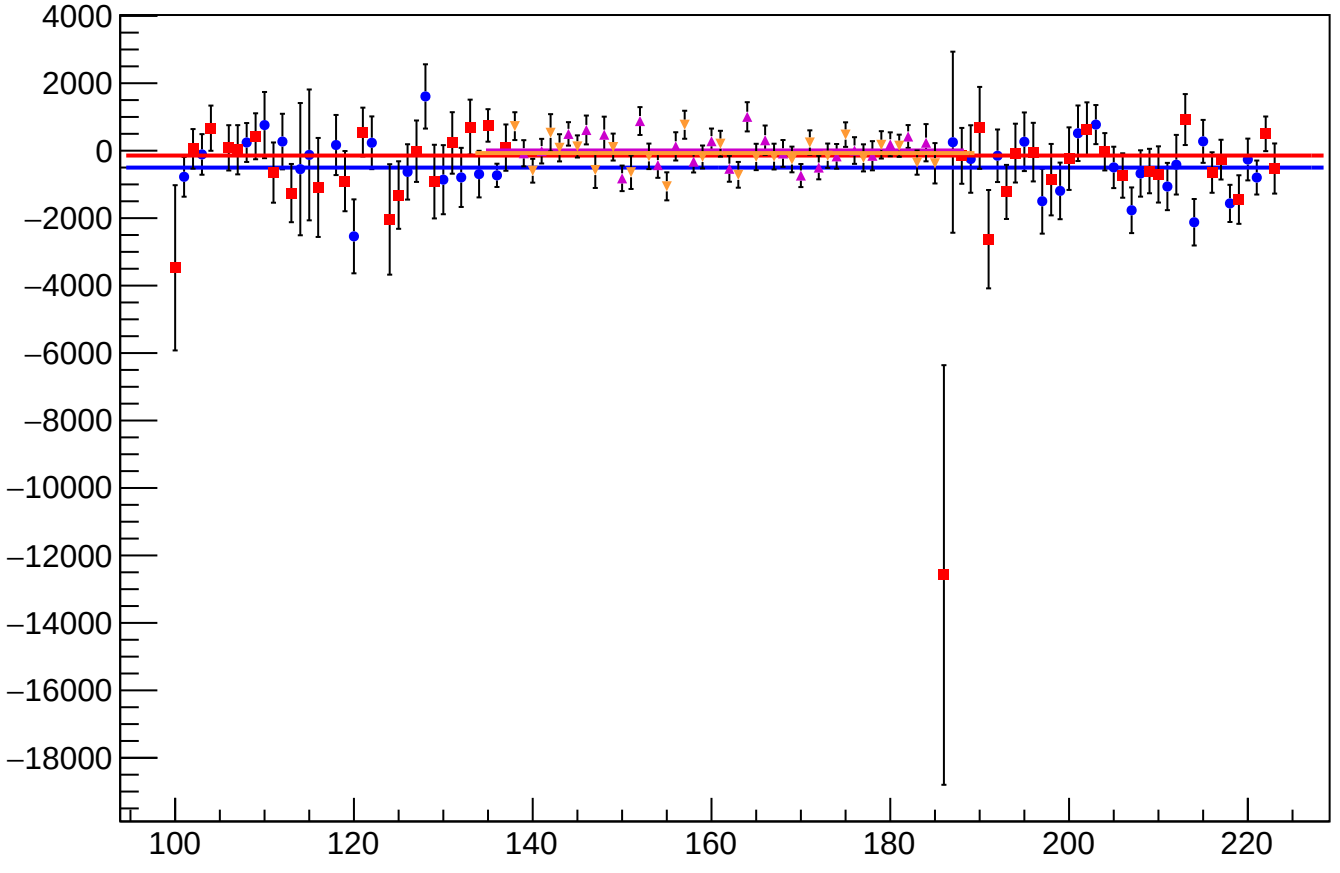
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

\+ sign 66.203+/-0.007 χ^2/NDF: 2142172.2/58

All: 66.743+/-0.005 χ^2/NDF: 5029783.5/120

\- sign 67.310+/-0.008 χ^2/NDF: 2876709.8/61

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -501.368+/-122.630 χ^2/NDF: 40.1/33

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -144.133+/-123.973 χ^2/NDF: 36.6/38

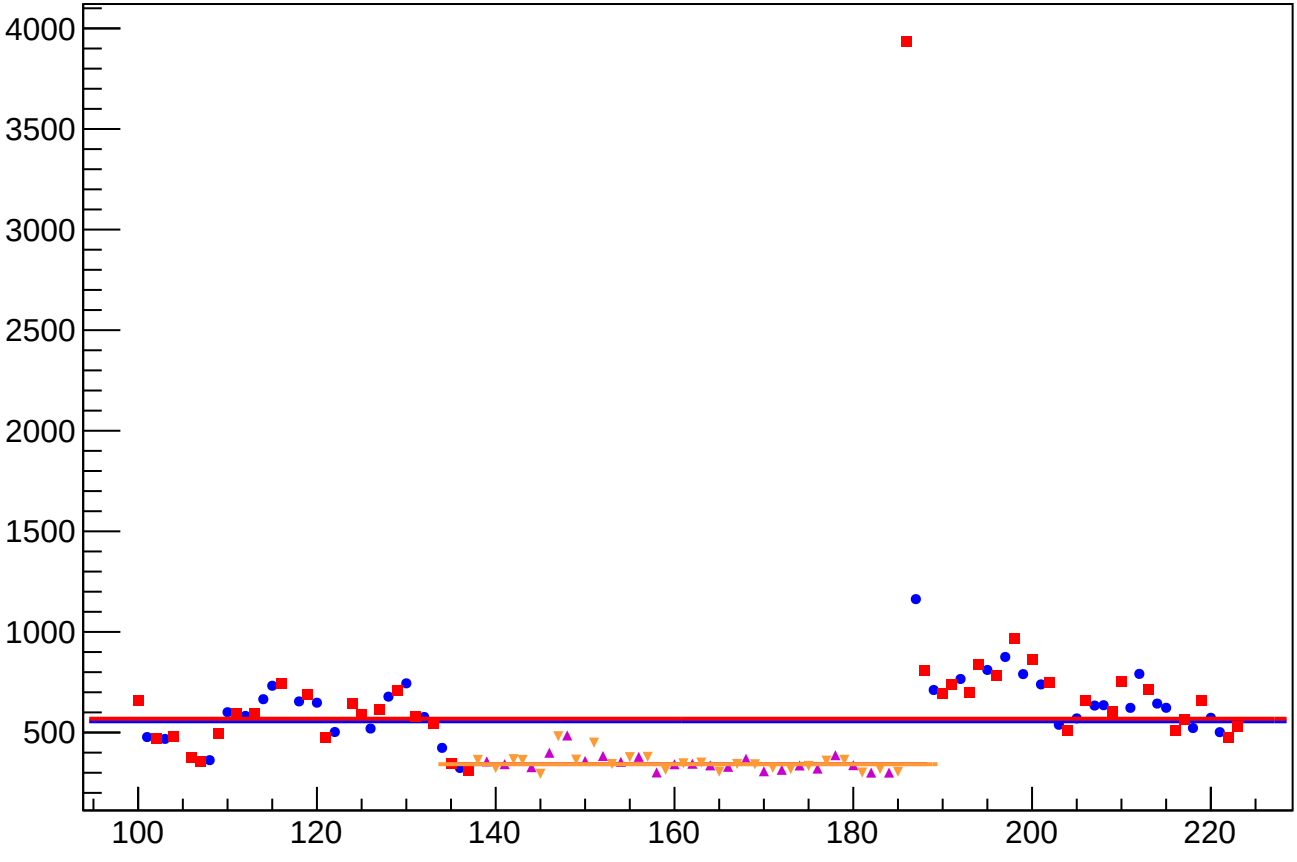
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -196.096+/-66.054 χ^2/NDF: 77.4/58

All: -119.266+/-47.268 χ^2/NDF: 151.9/120

- sign -38.635+/-67.668 χ^2/NDF: 71.7/61

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 555.796+/-0.087 χ^2/NDF: 2712582.2/33

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 568.511+/-0.088 χ^2/NDF: 3424023.2/38

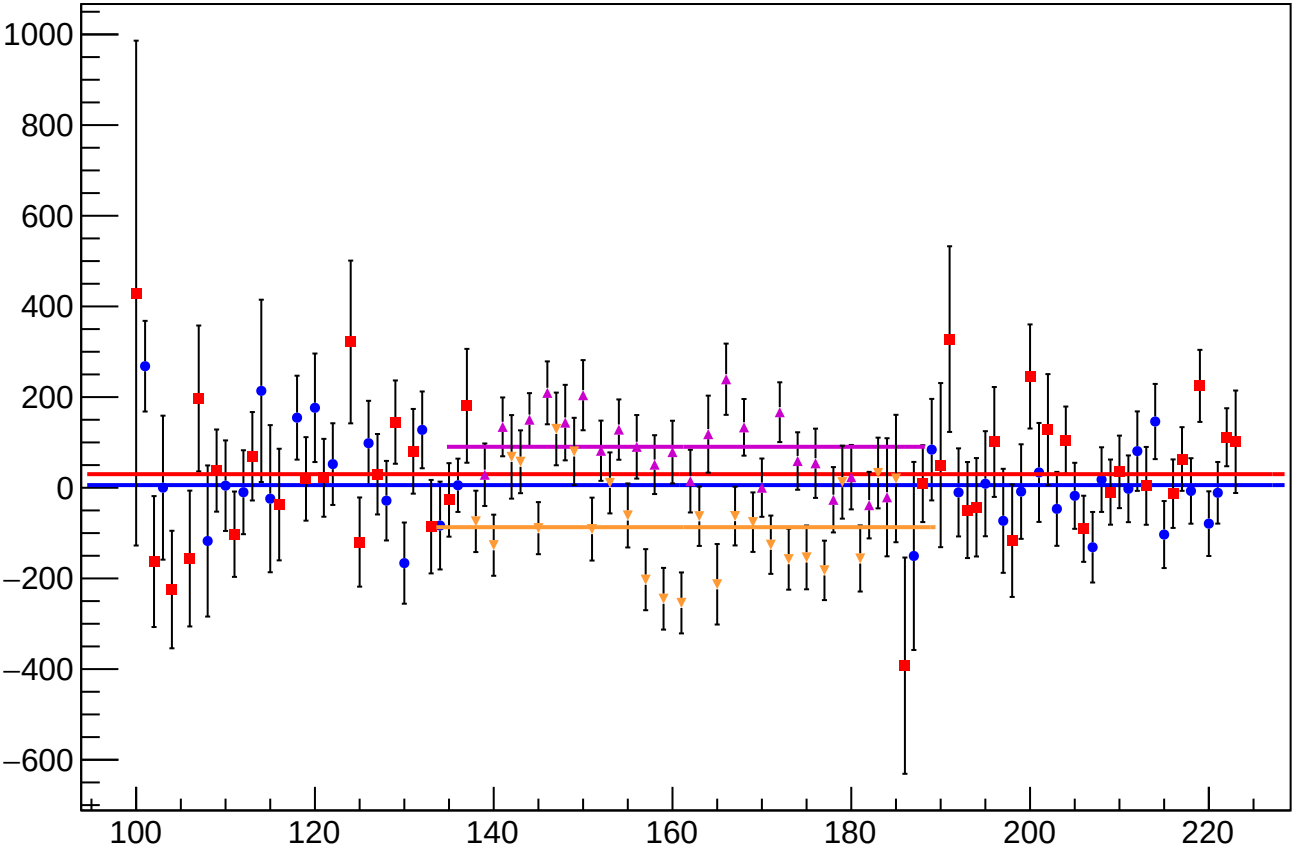
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 404.387+/-0.047 χ^2/NDF: 7441803.8/58

All: 407.301+/-0.033 χ^2/NDF: 15882851.6/12

- sign 410.359+/-0.048 χ^2/NDF: 8433070.4/61

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 5.864+/-15.516 χ^2/NDF: 33.8/33

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 30.008+/-15.747 χ^2/NDF: 46.2/38

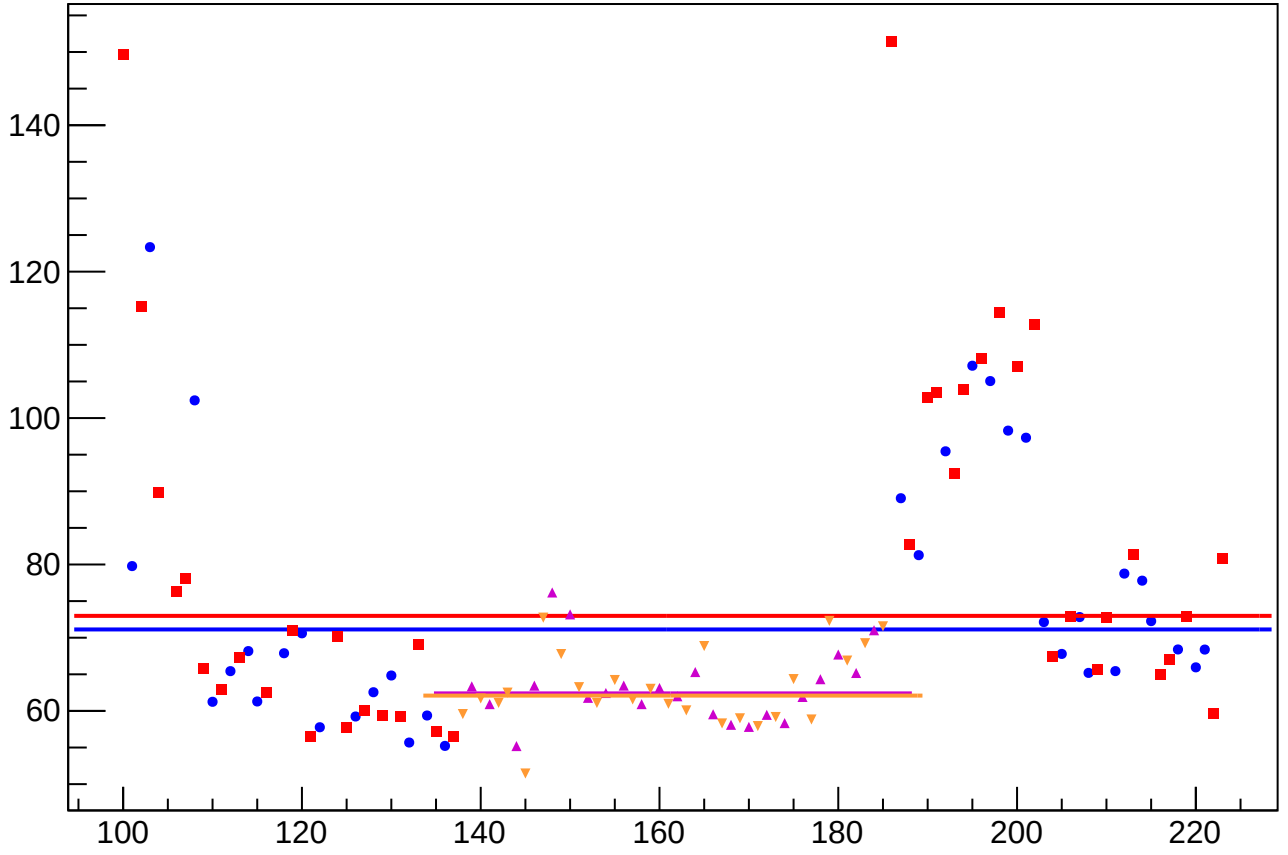
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -44.730+/-10.465 χ^2/NDF: 102.1/58

All: 7.477+/-7.491 χ^2/NDF: 232.3/120

- sign 62.348+/-10.729 χ^2/NDF: 79.1/61

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.128+/-0.011 χ^2/NDF: 1539191.3/33

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

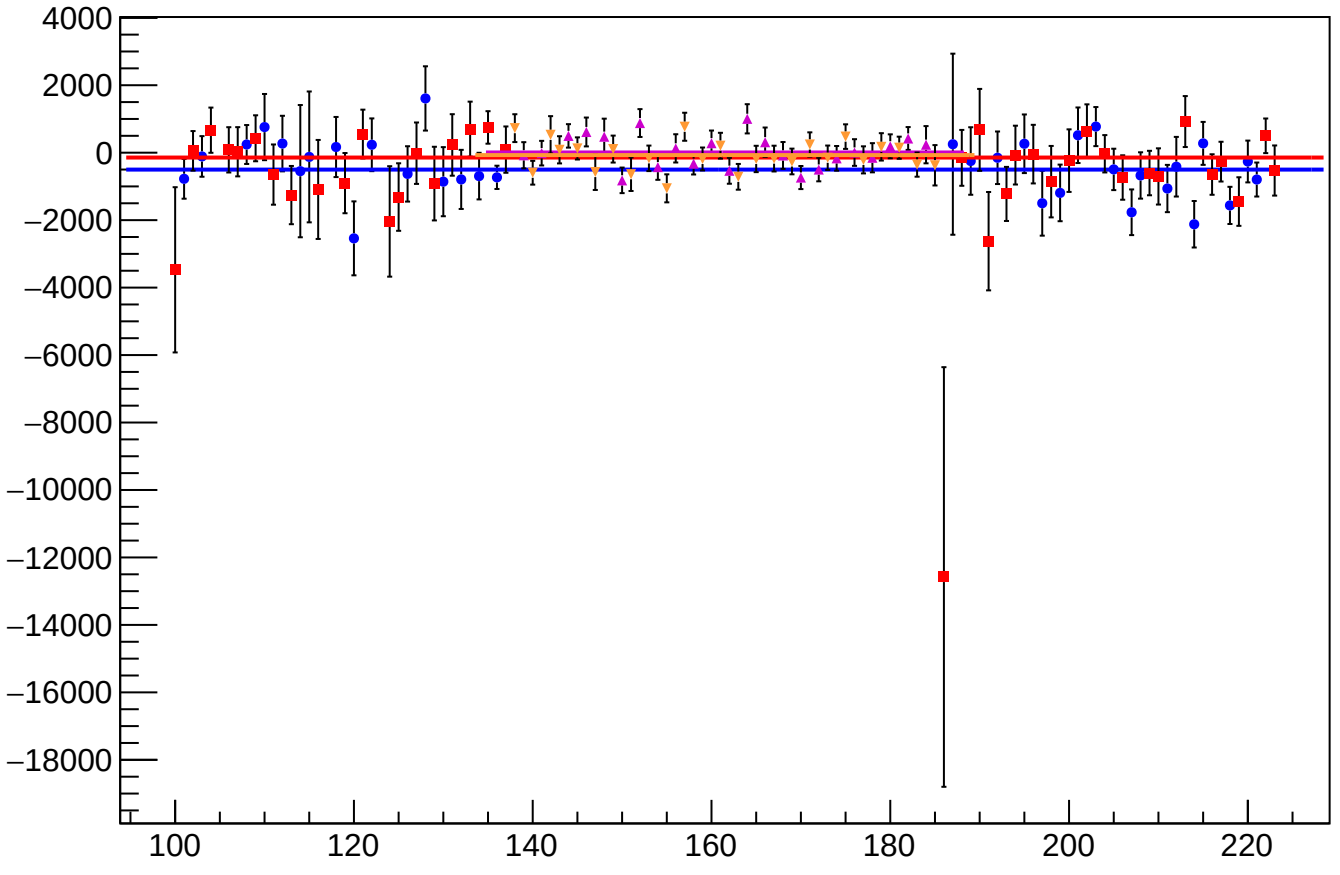
Right Out: 72.983+/-0.011 χ^2/NDF: 2203389.7/38

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 66.203+/-0.007 χ^2/NDF: 2142197.0/58

All: 66.743+/-0.005 χ^2/NDF: 5029809.2/120

- sign 67.310+/-0.008 χ^2/NDF: 2876710.5/61



Right In: -501.367+/-122.630 χ^2/NDF: 40.1/33

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

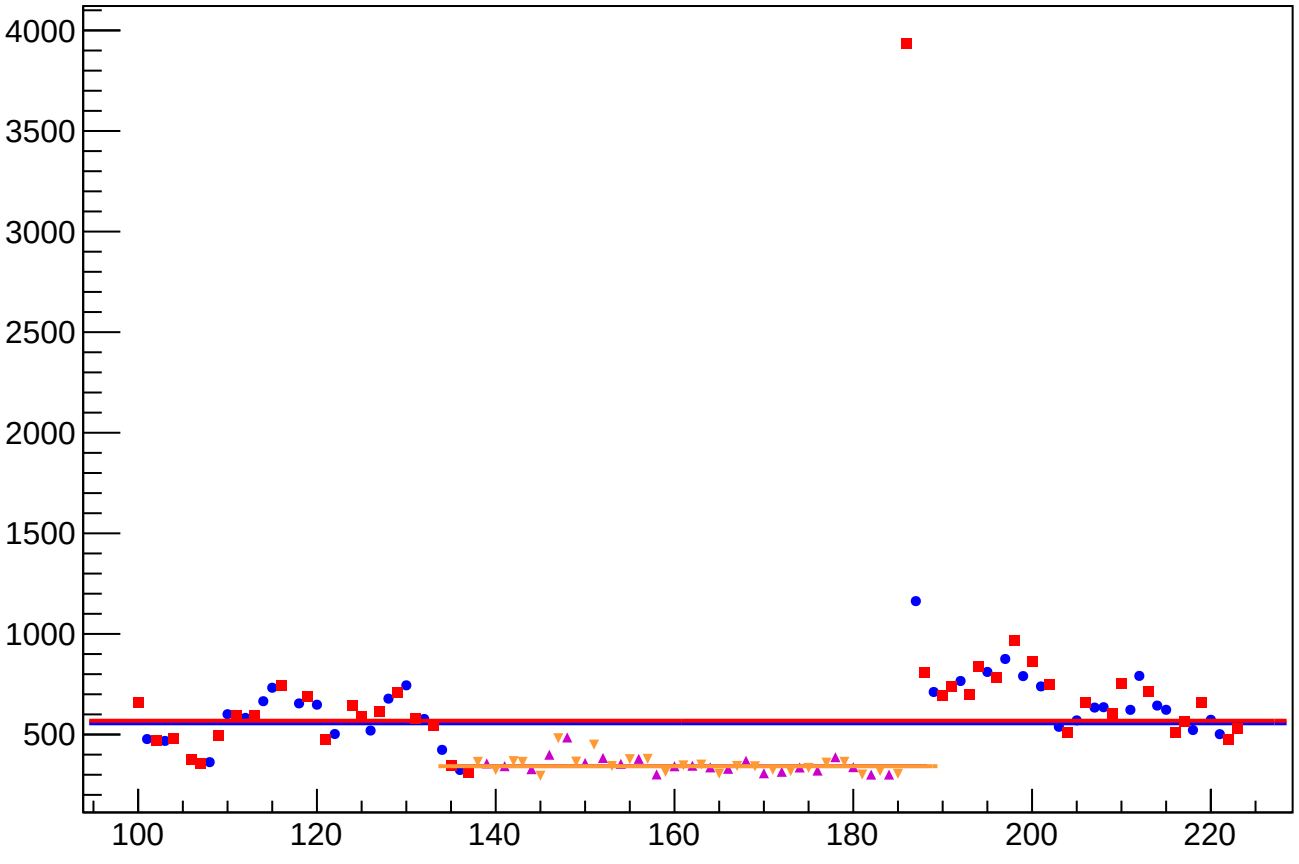
Right Out: -144.133+/-123.972 χ^2/NDF: 36.6/38

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -196.096+/-66.054 χ^2/NDF: 77.4/58

All: -119.266+/-47.268 χ^2/NDF: 151.9/120

- sign -38.635+/-67.668 χ^2/NDF: 71.7/61



Right In: 555.796+/-0.087 χ^2/NDF: 2712585.2/33

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 568.510+/-0.088 χ^2/NDF: 3424028.9/38

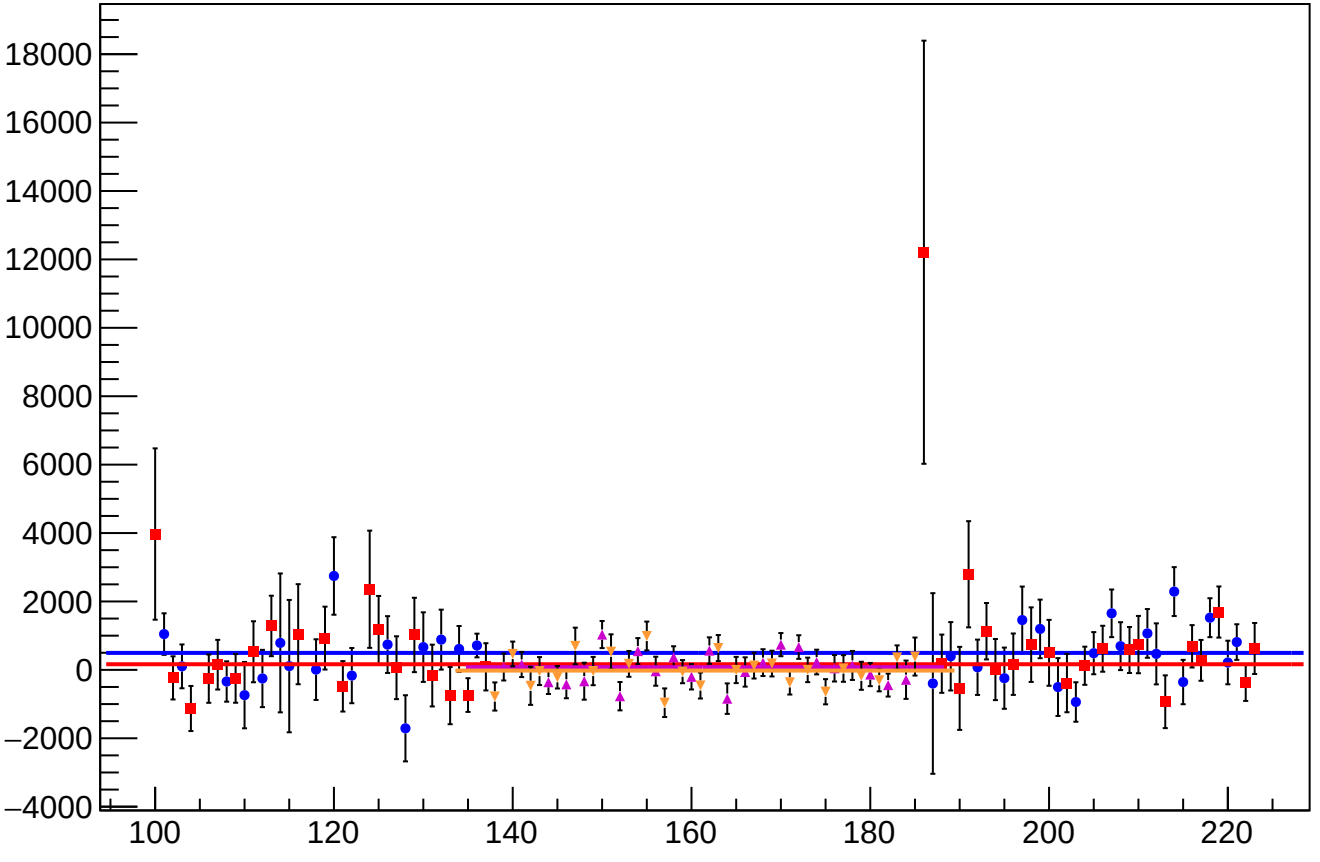
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 404.387+/-0.047 χ^2/NDF: 7441792.5/58

All: 407.301+/-0.033 χ^2/NDF: 15882821.6/12

- sign 410.359+/-0.048 χ^2/NDF: 8433051.3/61

asym_sam_13_57_dd_mean vs Slug



Right In: 496.141+/-124.753 χ^2/NDF: 42.2/33

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 164.756+/-126.712 χ^2/NDF: 37.8/38

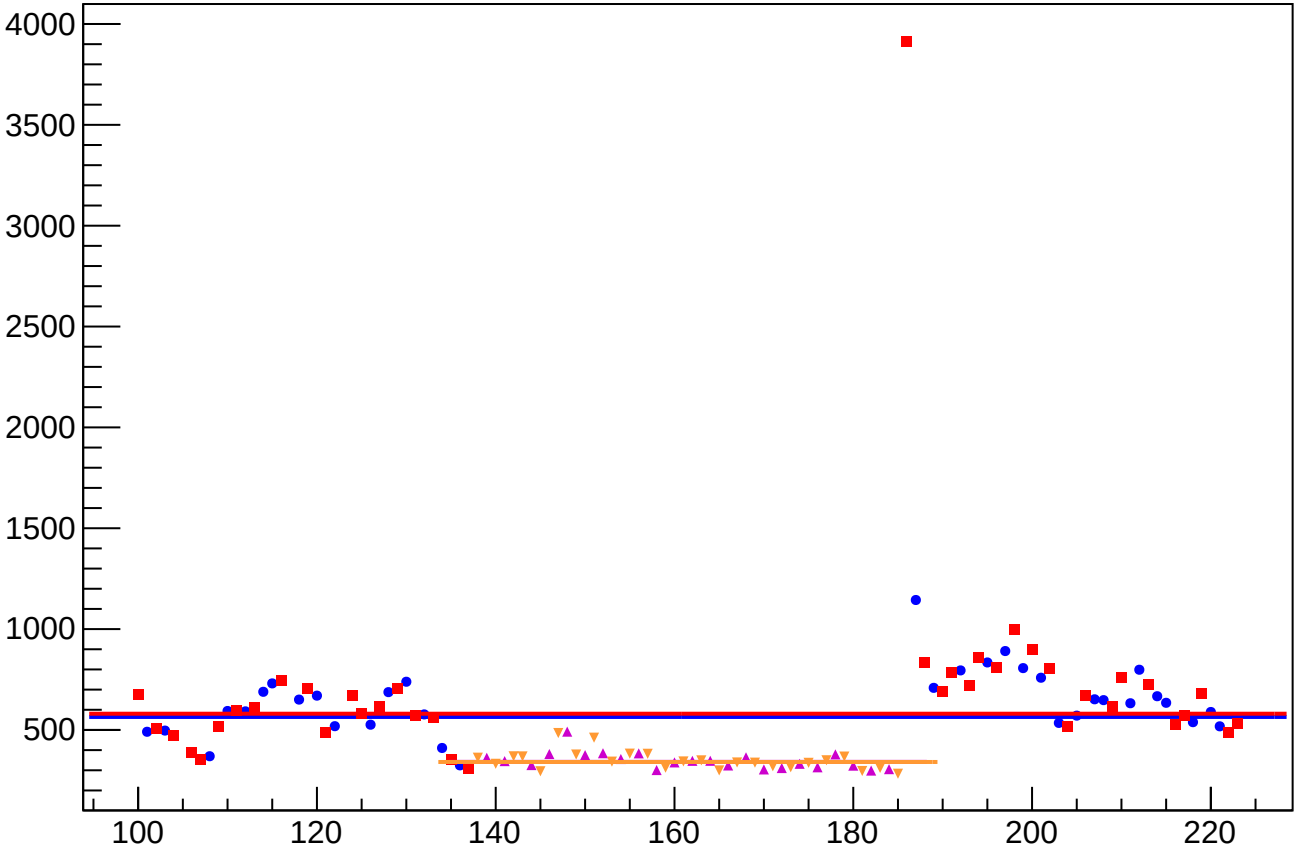
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 125.392+/-66.256 χ^2/NDF: 85.9/58

All: 114.674+/-47.419 χ^2/NDF: 157.0/120

- sign 103.419+/-67.893 χ^2/NDF: 71.0/61

asym_sam_13_57_dd_rms vs Slug



Right In: 564.465+/-0.088 χ^2/NDF: 2783116.0/33

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

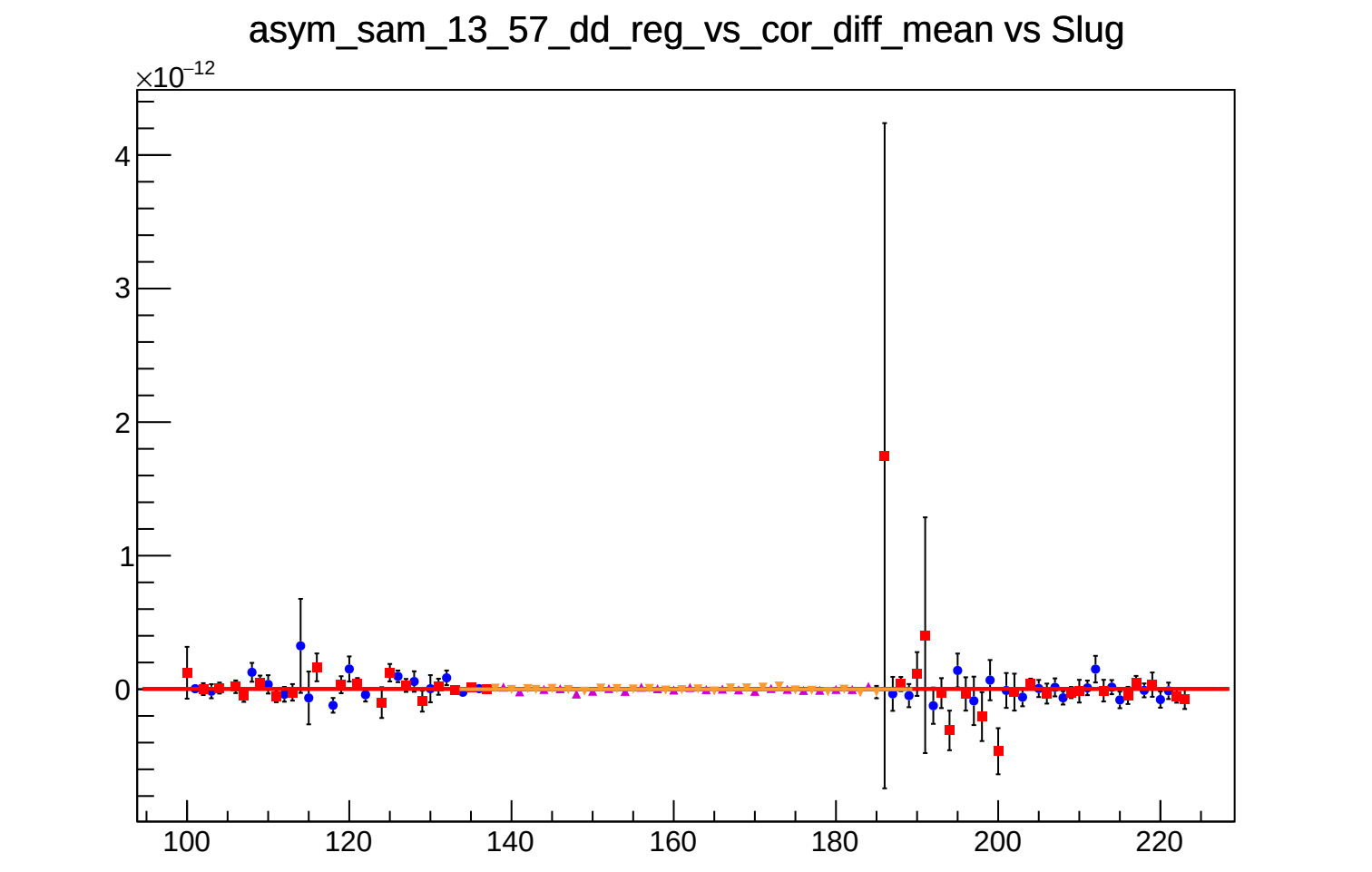
Right Out: 580.448+/-0.090 χ^2/NDF: 3498766.1/38

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 404.176+/-0.047 χ^2/NDF: 7892938.2/58

All: 407.108+/-0.034 χ^2/NDF: 16861734.9/12

- sign 410.187+/-0.048 χ^2/NDF: 8960766.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

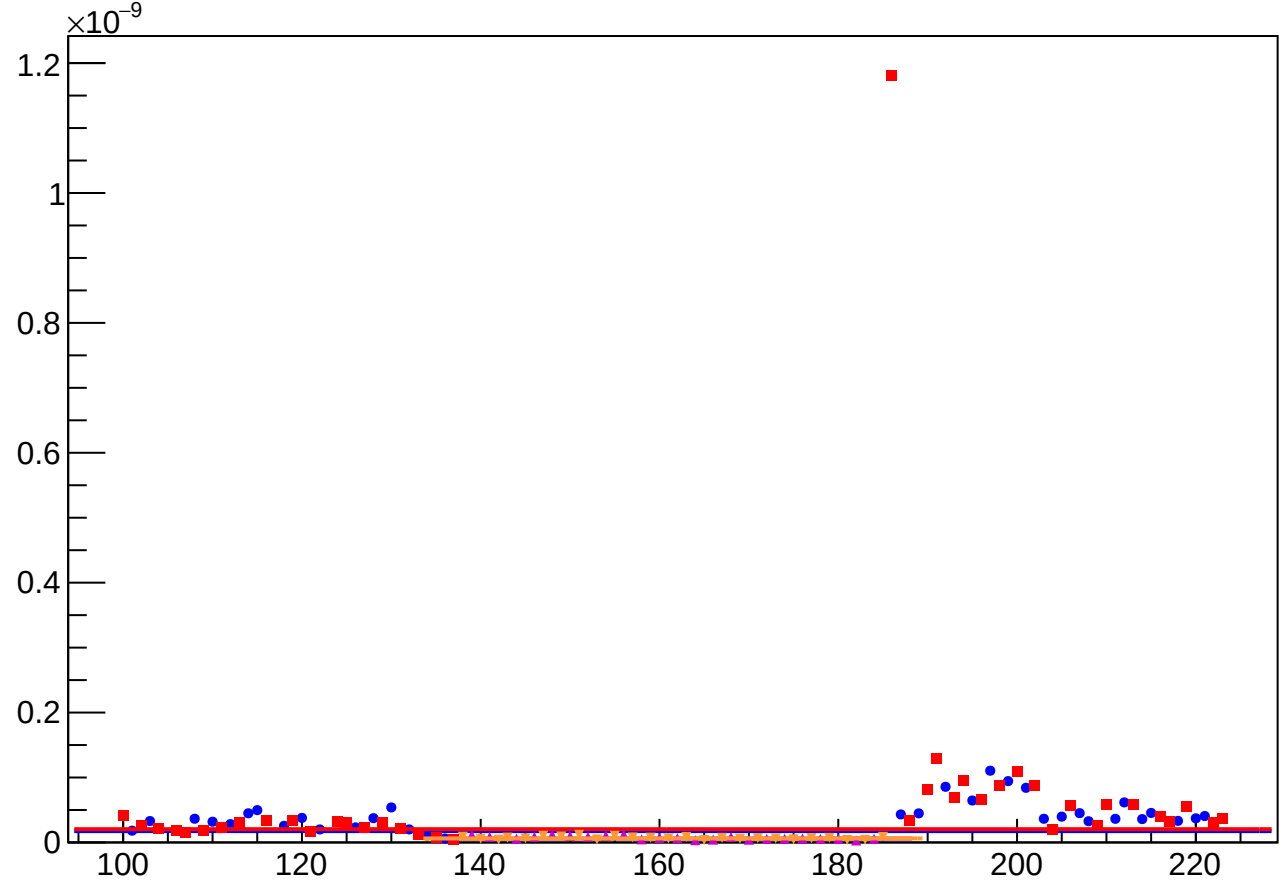
Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/38

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.9/58

All: -0.000+/-0.000 χ^2/NDF: 101.4/120

- sign -0.000+/-0.000 χ^2/NDF: 49.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 9311387.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8027324.1/38

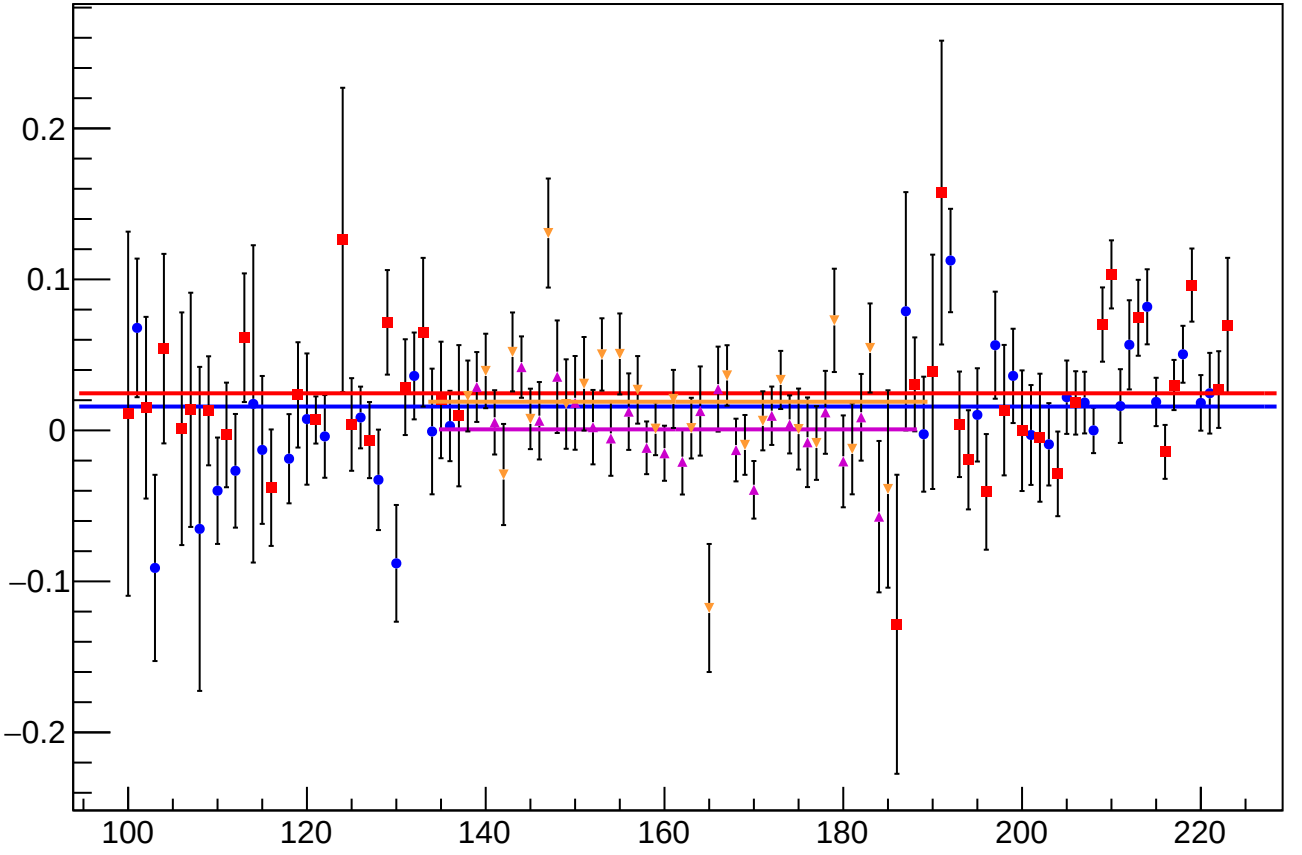
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14776208.1/58

All: 0.000+/-0.000 χ^2/NDF: 30269045.9/120

- sign 0.000+/-0.000 χ^2/NDF: 15492792.6/61

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.005 χ^2/NDF: 46.8/33

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.025+/-0.005 χ^2/NDF: 59.5/38

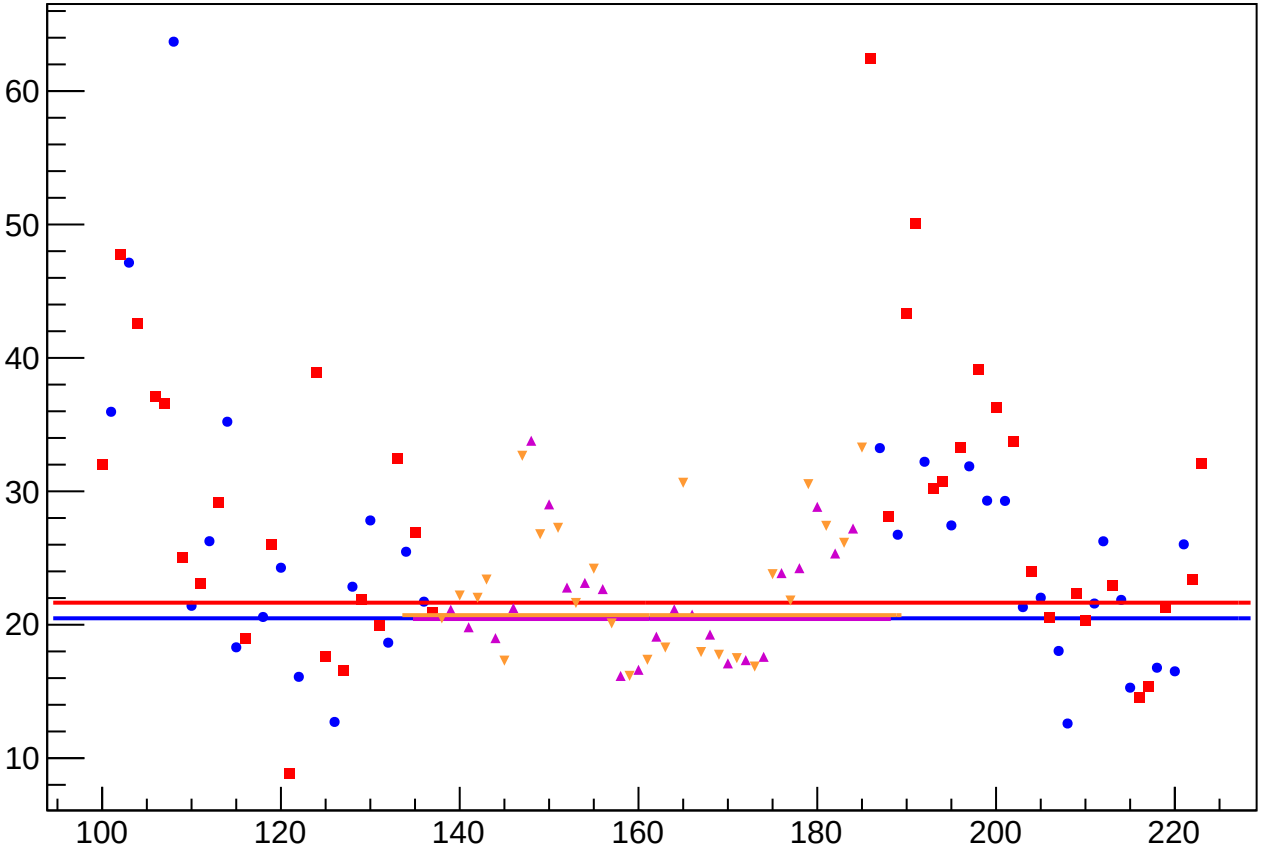
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.2/58

All: 0.015+/-0.002 χ^2/NDF: 177.8/120

- sign 0.012+/-0.004 χ^2/NDF: 88.6/61

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.483+/-0.003 χ^2/NDF: 3589108.6/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

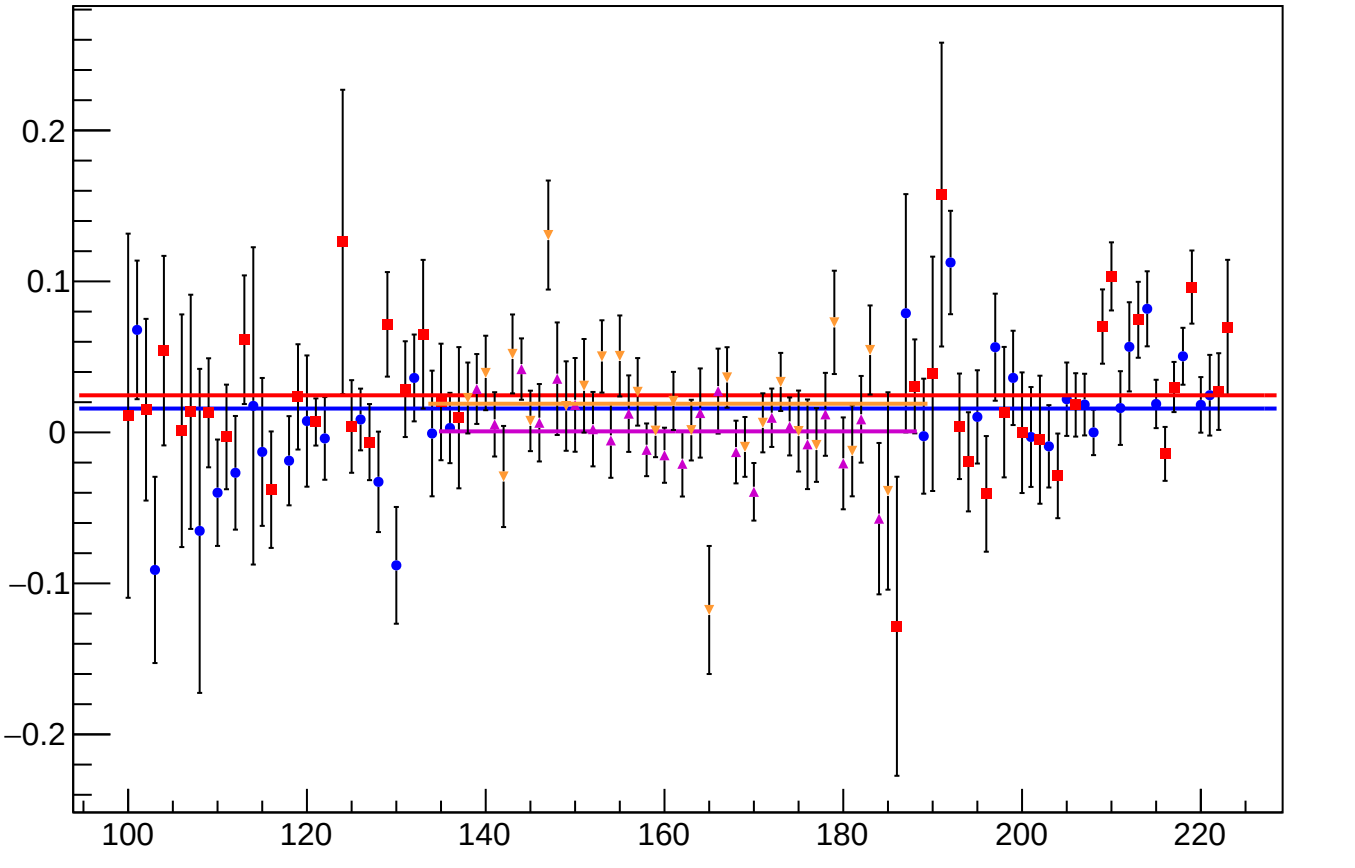
Right Out: 21.653+/-0.004 χ^2/NDF: 5263113.8/38

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.598+/-0.002 χ^2/NDF: 5097867.4/58

All: 20.806+/-0.002 χ^2/NDF: 11610905.9/120

- sign 21.030+/-0.002 χ^2/NDF: 6497450.2/61



Right In: 0.016+/-0.005 χ^2/NDF: 46.8/33

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

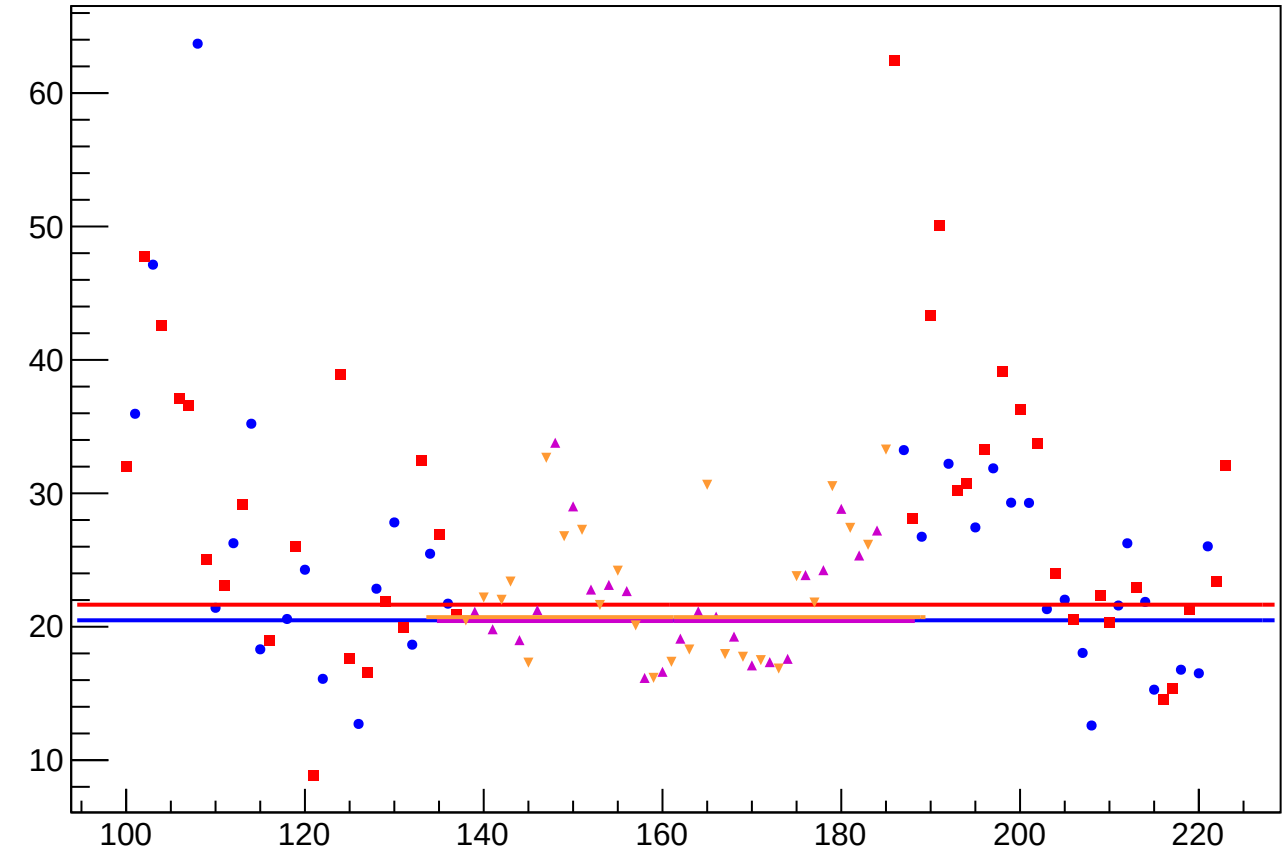
Right Out: 0.025+/-0.005 χ^2/NDF: 59.5/38

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.2/58

All: 0.015+/-0.002 χ^2/NDF: 177.8/120

- sign 0.012+/-0.004 χ^2/NDF: 88.6/61



Right In: 20.483+/-0.003 χ^2/NDF: 3589108.6/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

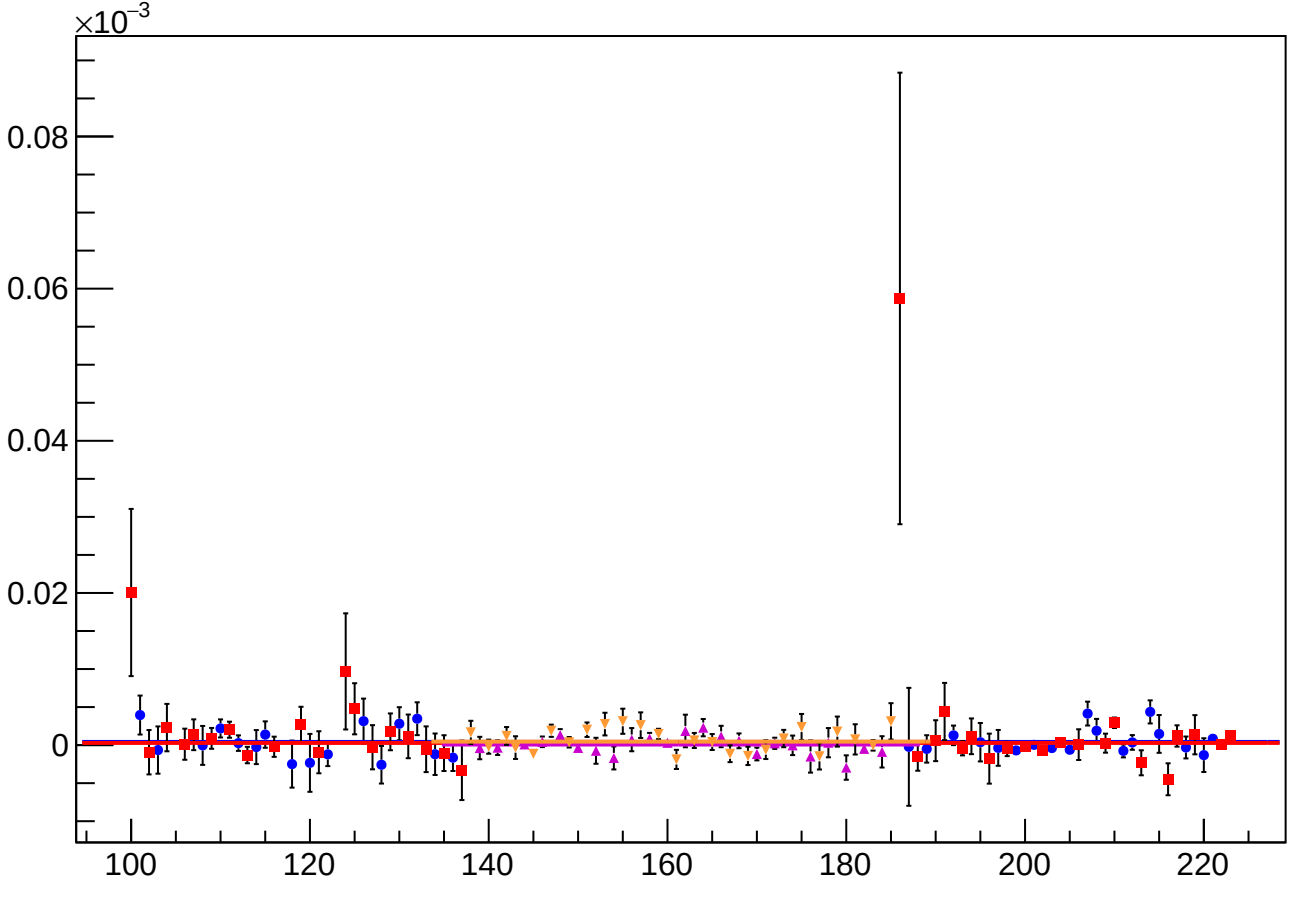
Right Out: 21.653+/-0.004 χ^2/NDF: 5263113.8/38

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.598+/-0.002 χ^2/NDF: 5097867.4/58

All: 20.806+/-0.002 χ^2/NDF: 11610905.9/120

- sign 21.030+/-0.002 χ^2/NDF: 6497450.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 46.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

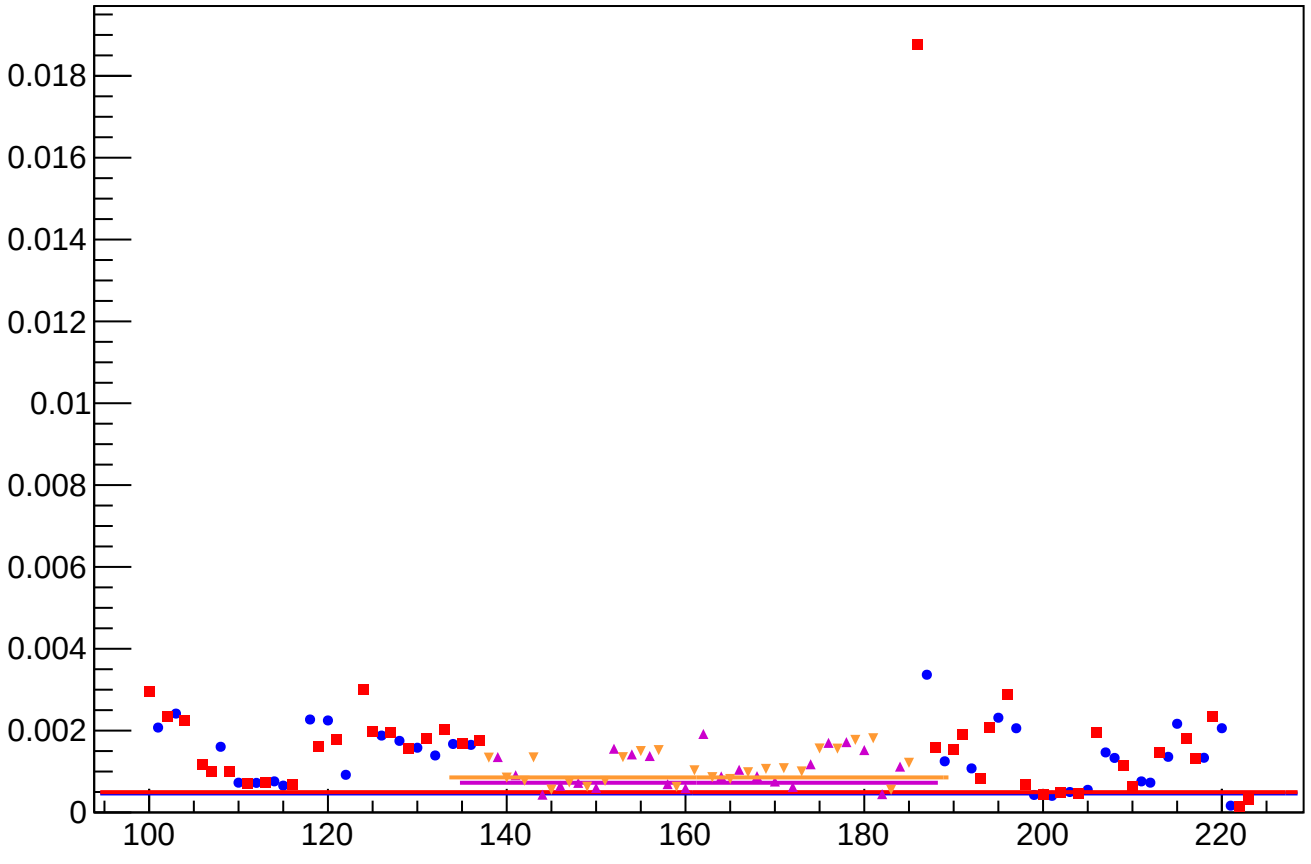
Right Out: 0.000+/-0.000 χ^2/NDF: 56.0/38

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.7/58

All: 0.000+/-0.000 χ^2/NDF: 161.9/120

- sign 0.000+/-0.000 χ^2/NDF: 76.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 19358914.2/33

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

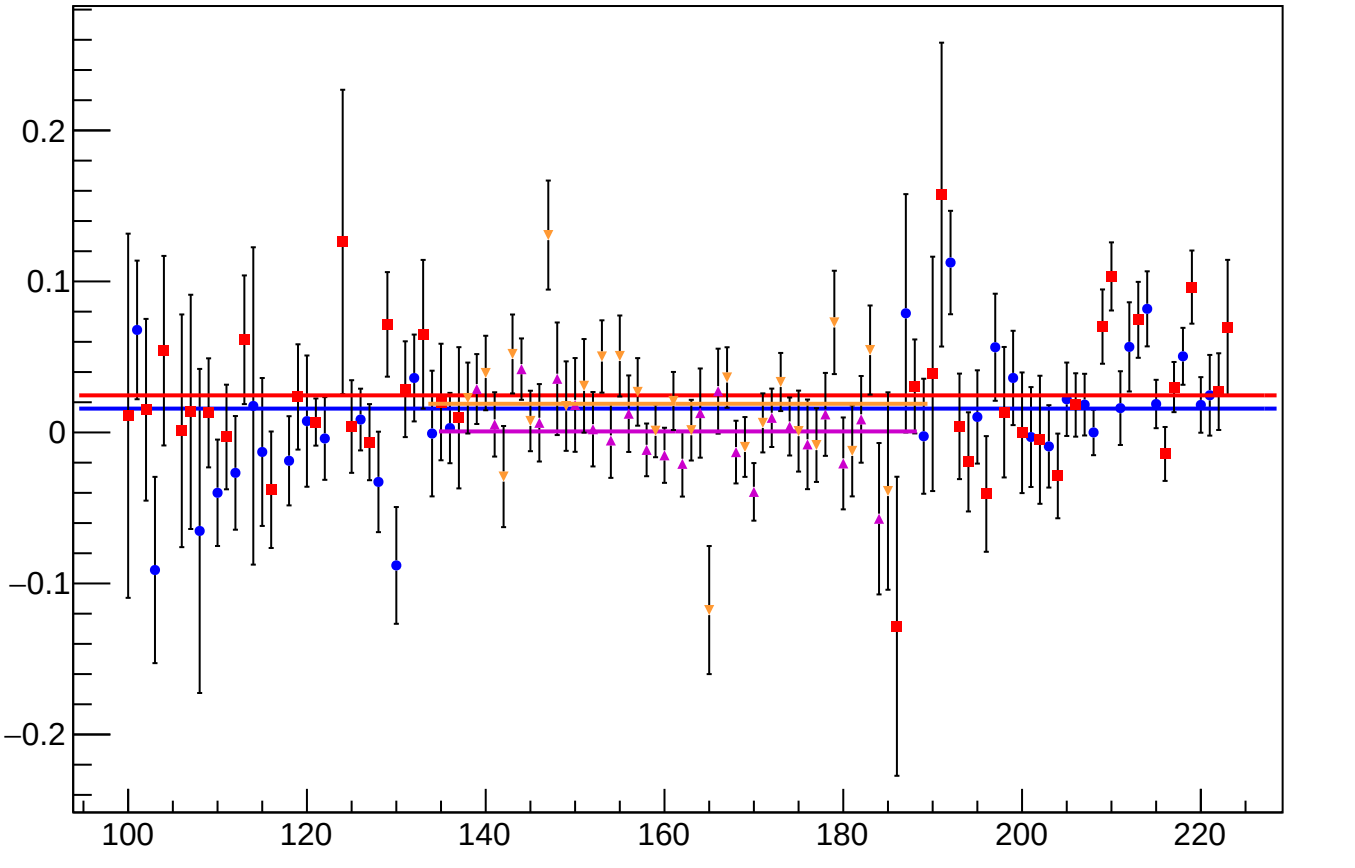
Right Out: 0.000+/-0.000 χ^2/NDF: 19831084.7/38

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

\+ sign 0.001+/-0.000 χ^2/NDF: 28512042.7/58

All: 0.001+/-0.000 χ^2/NDF: 55981361.4/120

\- sign 0.001+/-0.000 χ^2/NDF: 27468937.8/61



Right In: 0.016+/-0.005 χ^2/NDF: 46.8/33

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

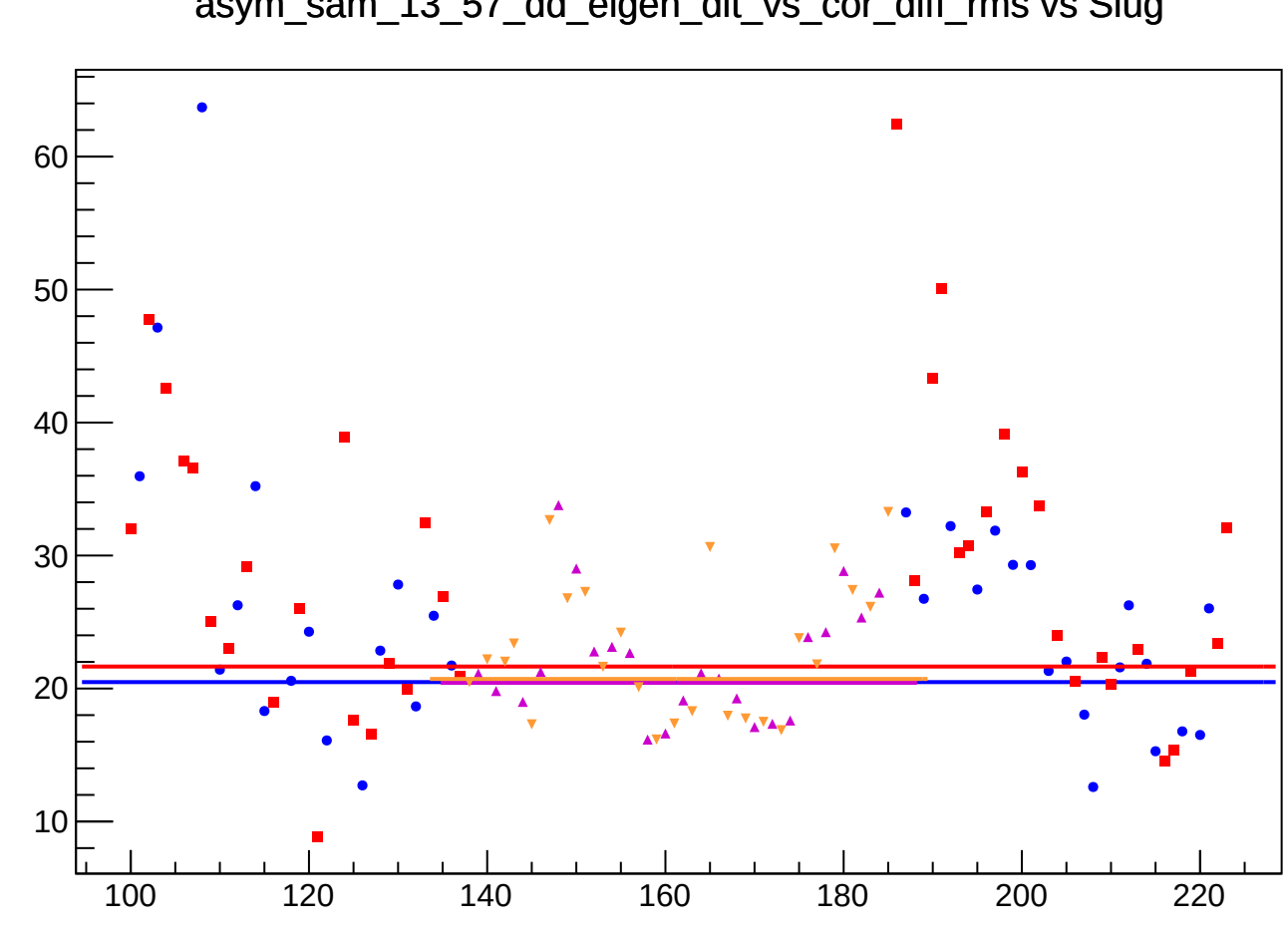
Right Out: 0.025+/-0.005 χ^2/NDF: 59.5/38

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.2/58

All: 0.015+/-0.002 χ^2/NDF: 177.8/120

- sign 0.012+/-0.004 χ^2/NDF: 88.6/61



Right In: 20.483+/-0.003 χ^2/NDF: 3589005.9/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

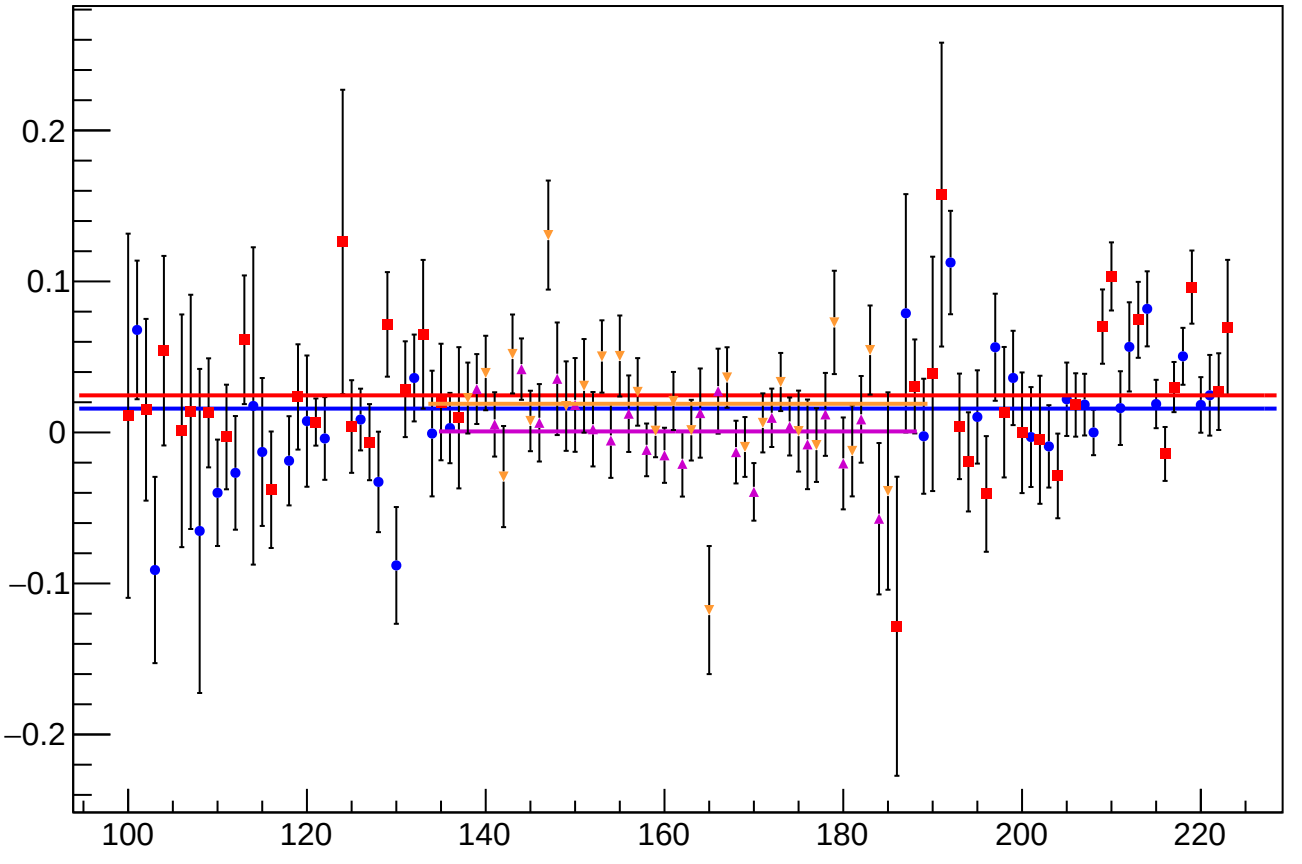
Right Out: 21.653+/-0.004 χ^2/NDF: 5262578.7/38

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.598+/-0.002 χ^2/NDF: 5097862.3/58

All: 20.806+/-0.002 χ^2/NDF: 11610452.8/120

- sign 21.030+/-0.002 χ^2/NDF: 6496993.0/61



Right In: 0.016+/-0.005 χ^2/NDF: 46.8/33

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

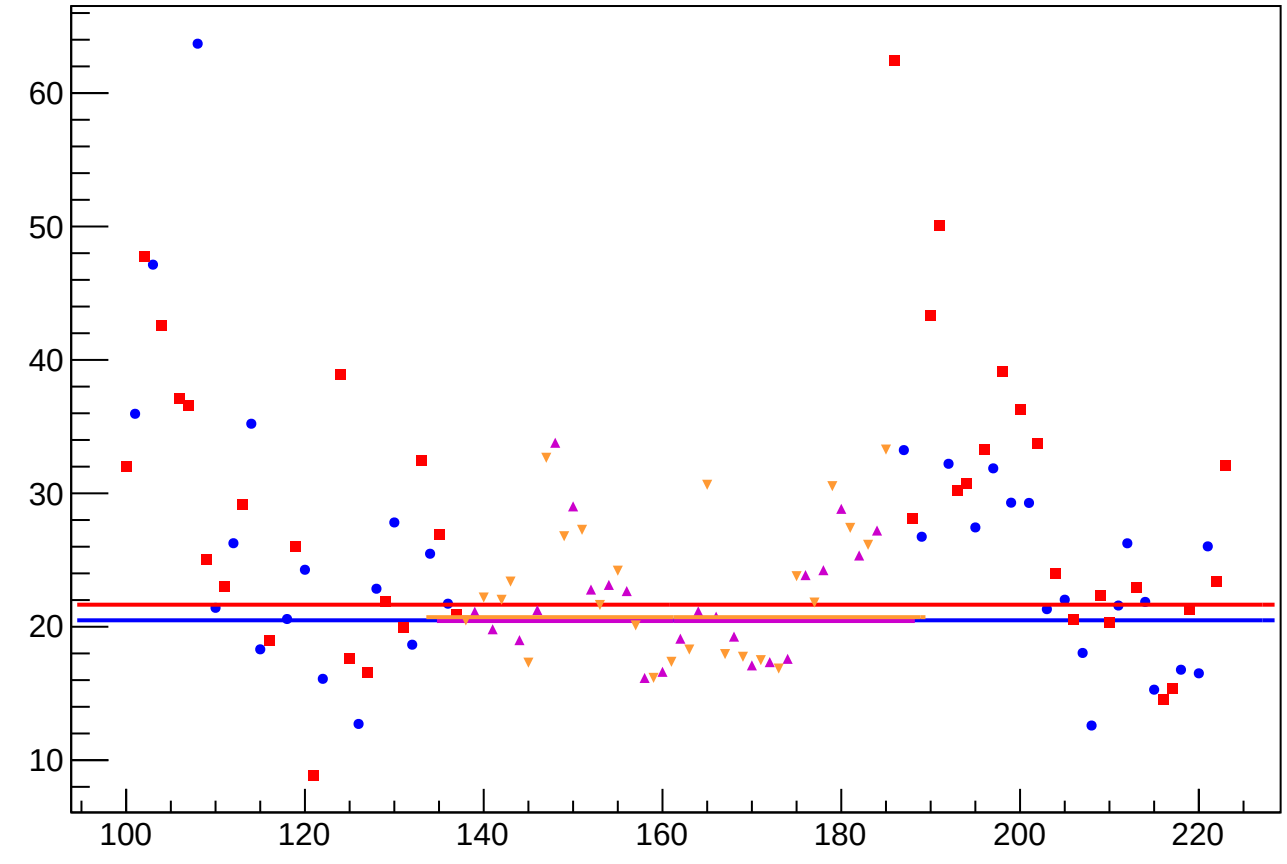
Right Out: 0.025+/-0.005 χ^2/NDF: 59.5/38

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.2/58

All: 0.015+/-0.002 χ^2/NDF: 177.8/120

- sign 0.012+/-0.004 χ^2/NDF: 88.6/61



Right In: 20.483+/-0.003 χ^2/NDF: 3589005.9/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

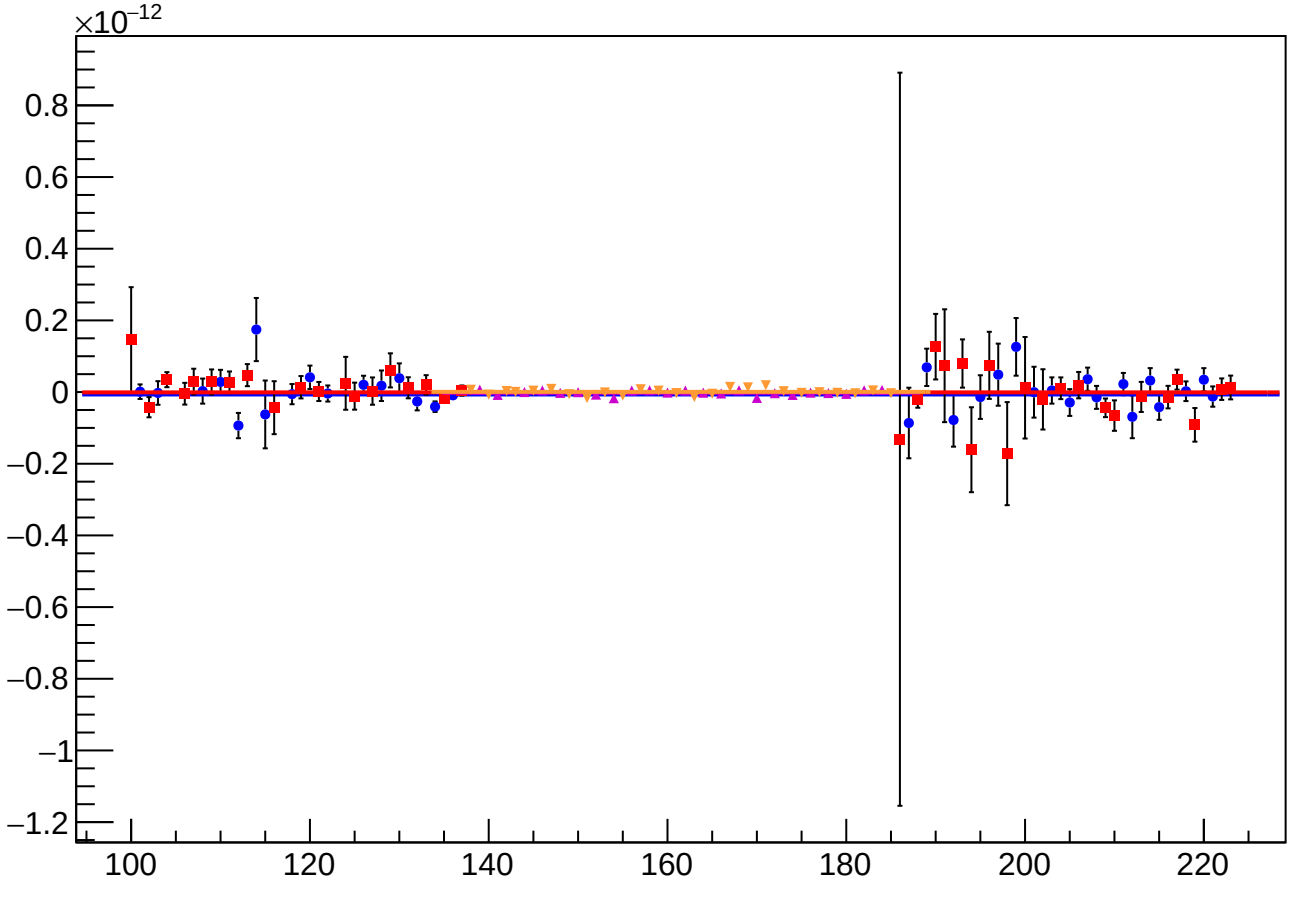
Right Out: 21.653+/-0.004 χ^2/NDF: 5262578.7/38

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 20.598+/-0.002 χ^2/NDF: 5097862.3/58

All: 20.806+/-0.002 χ^2/NDF: 11610452.8/120

\- sign 21.030+/-0.002 χ^2/NDF: 6496993.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

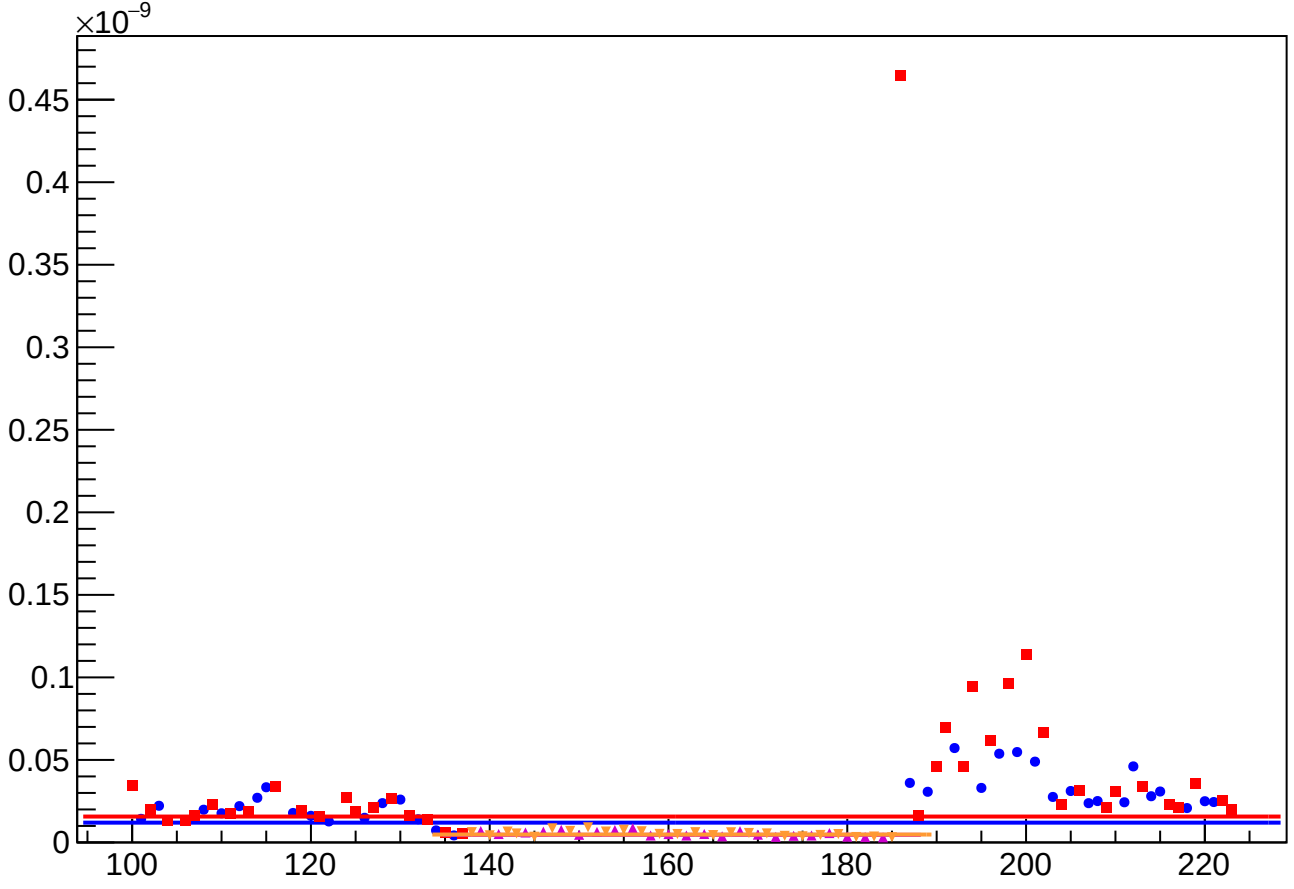
Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/38

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.8/58

All: -0.000+/-0.000 χ^2/NDF: 128.1/120

- sign -0.000+/-0.000 χ^2/NDF: 57.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 12370571.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10565820.6/38

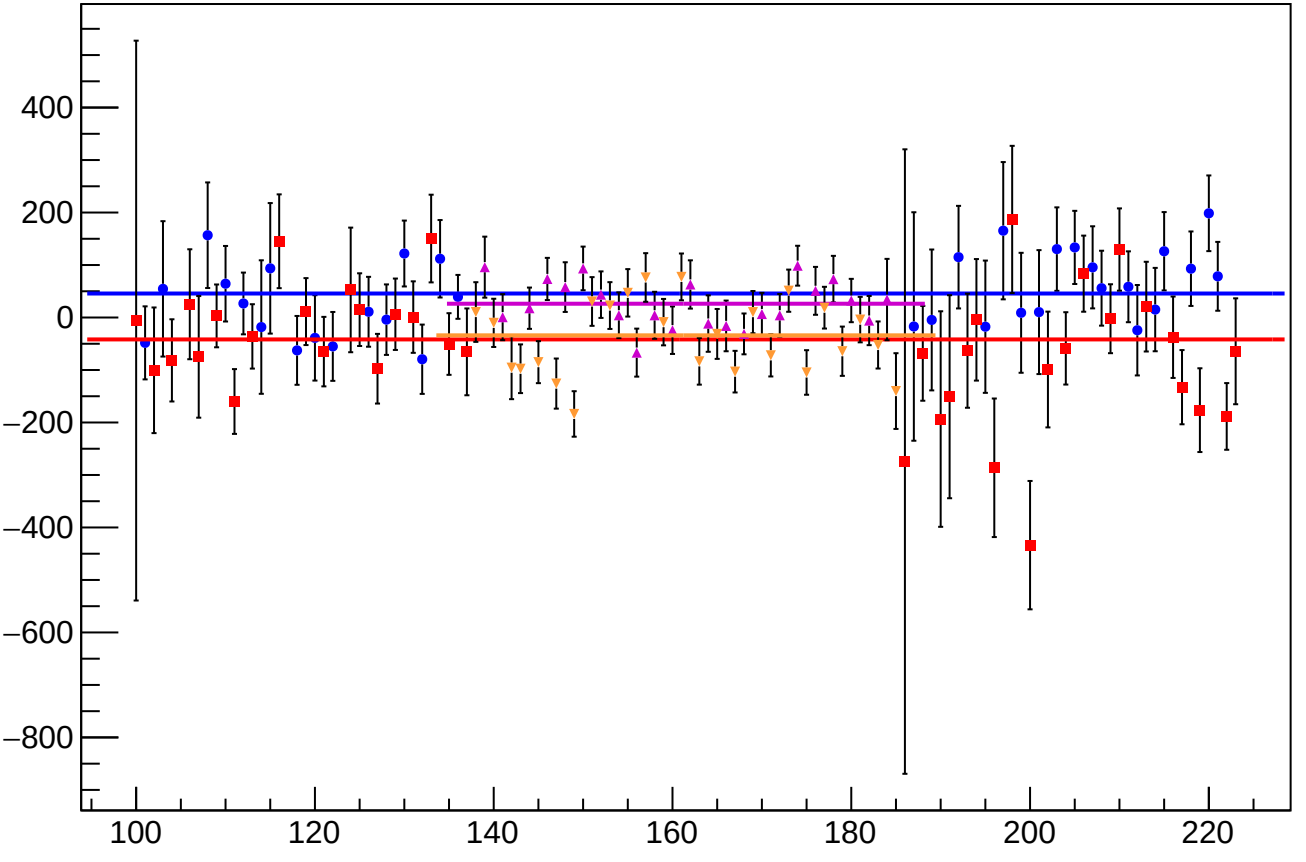
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20192393.5/58

All: 0.000+/-0.000 χ^2/NDF: 42457771.6/120

- sign 0.000+/-0.000 χ^2/NDF: 22260593.7/61

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 45.721+/-13.168 χ^2/NDF: 28.9/33

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -41.746+/-13.220 χ^2/NDF: 55.2/38

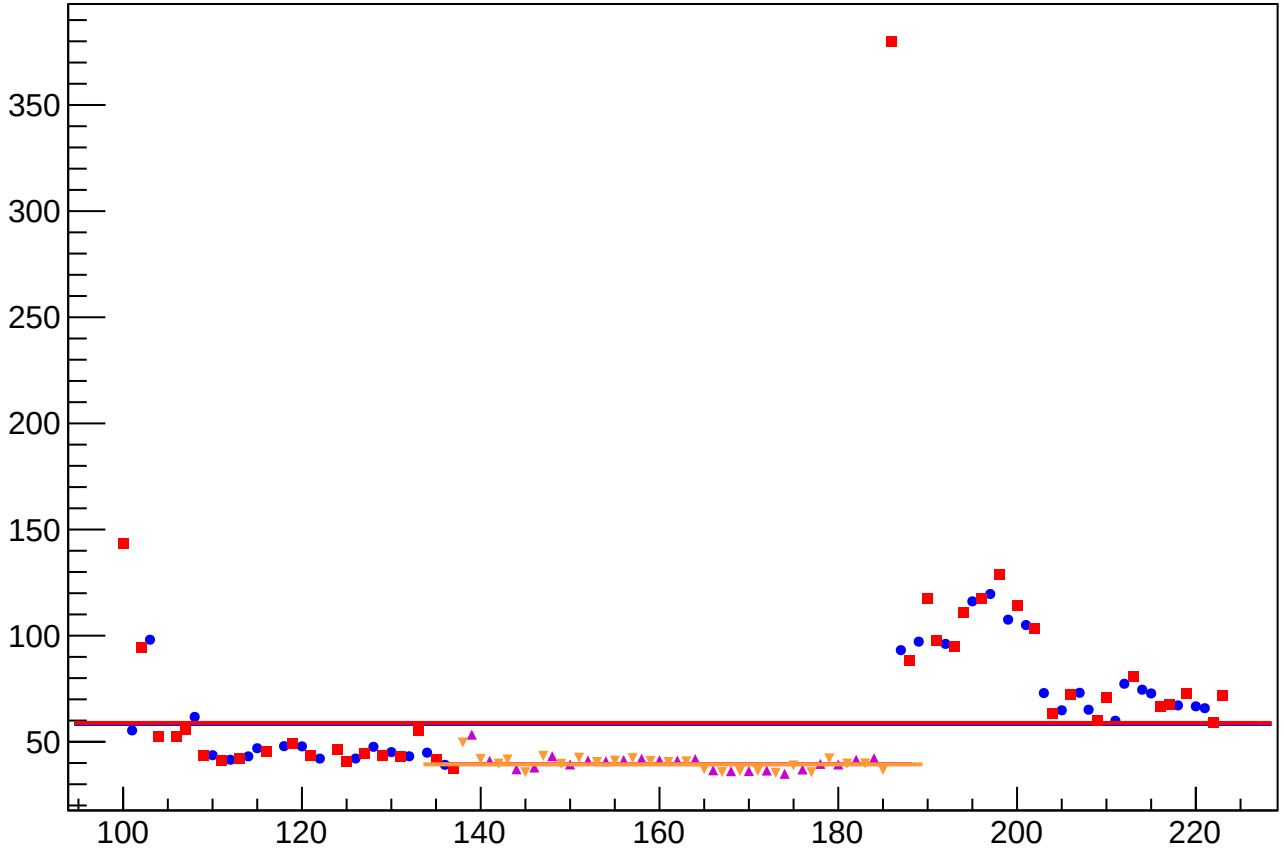
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -8.611+/-7.427 χ^2/NDF: 112.6/58

All: -2.520+/-5.308 χ^2/NDF: 209.4/120

- sign 3.844+/-7.591 χ^2/NDF: 95.4/61

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 58.415+/-0.009 χ^2/NDF: 4120460.4/33

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.885+/-0.009 χ^2/NDF: 5356370.0/38

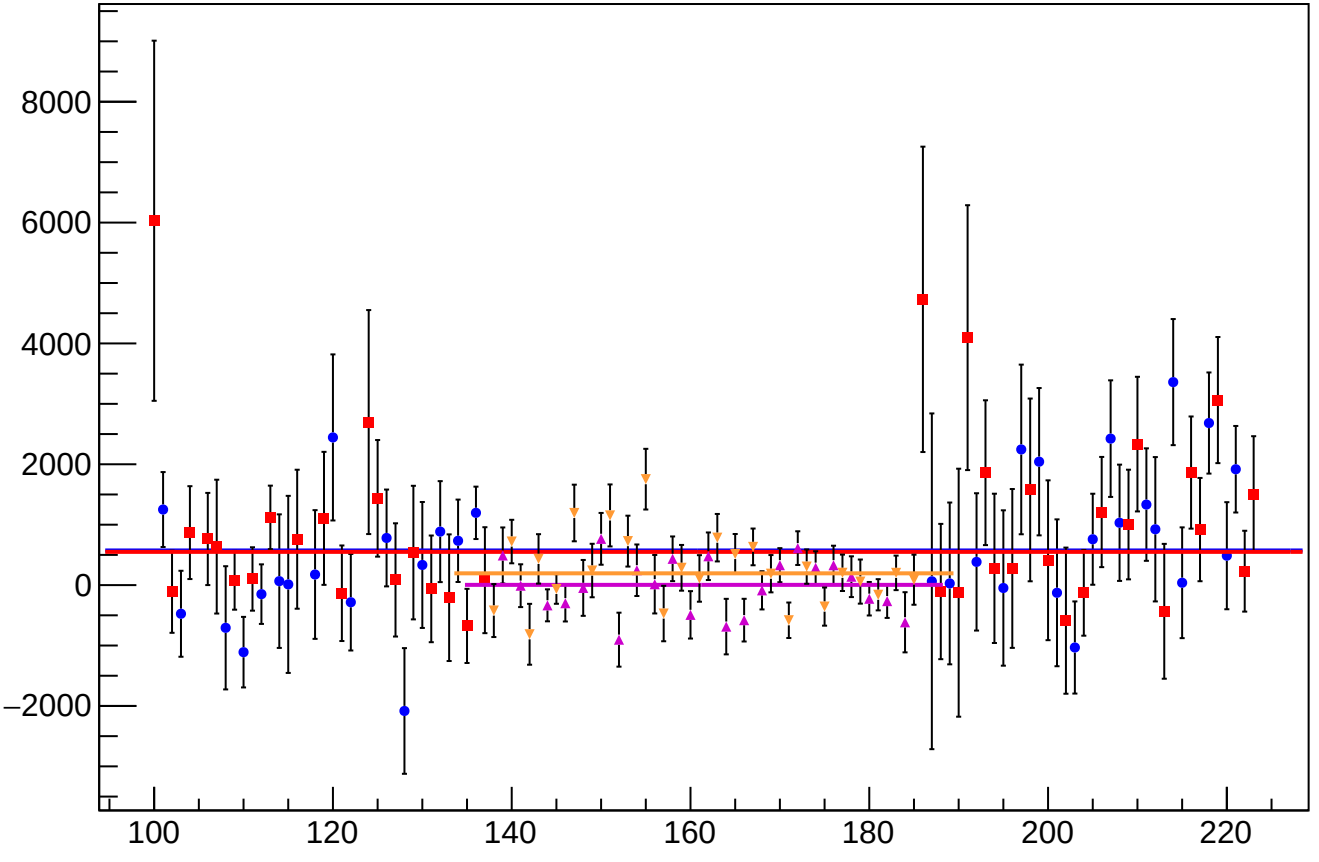
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 45.437+/-0.005 χ^2/NDF: 7198598.5/58

All: 45.656+/-0.004 χ^2/NDF: 15695564.6/120

- sign 45.885+/-0.005 χ^2/NDF: 8493405.2/61

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 573.519+/-145.360 χ^2/NDF: 58.0/33

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 550.285+/-143.687 χ^2/NDF: 38.8/38

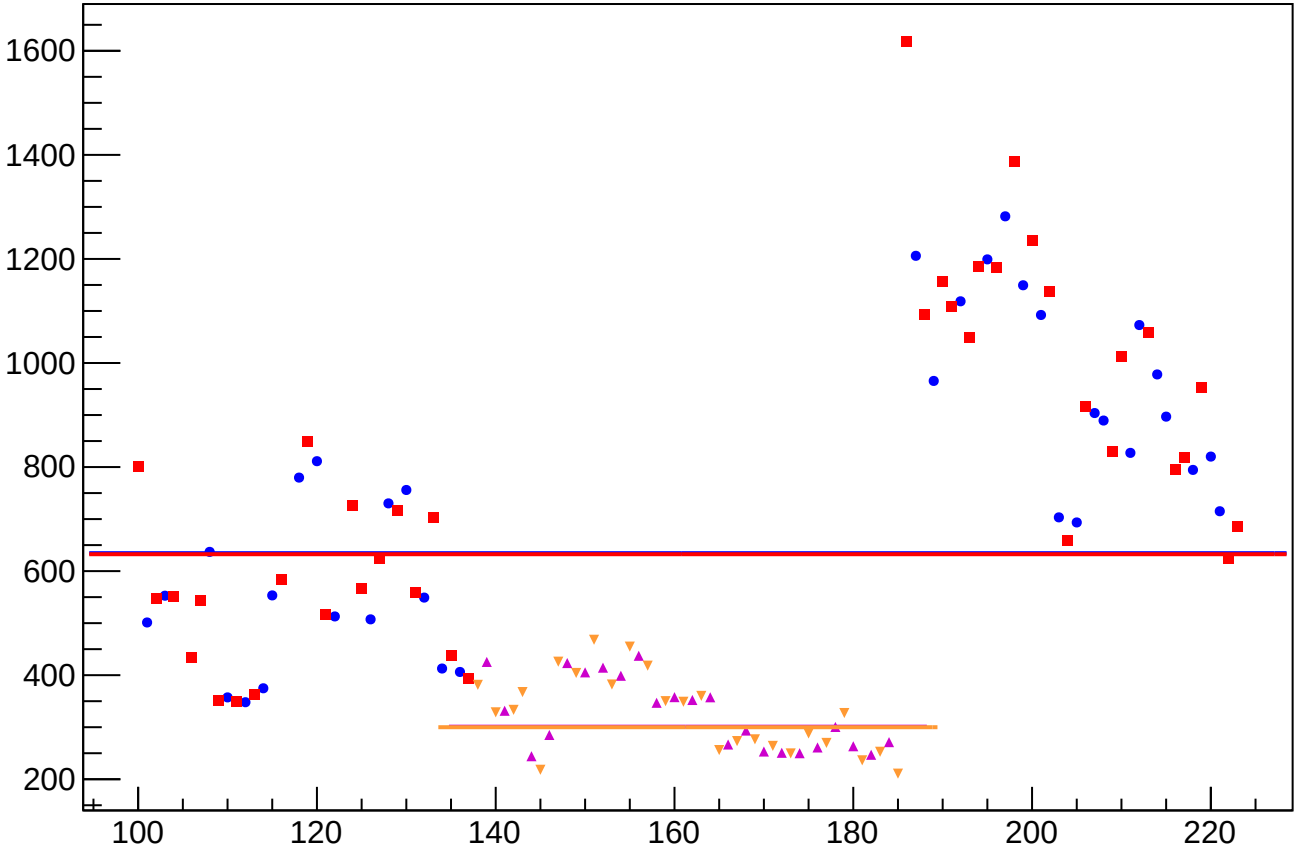
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 266.432+/-63.136 χ^2/NDF: 112.1/58

All: 191.482+/-45.069 χ^2/NDF: 197.7/120

- sign 113.604+/-64.357 χ^2/NDF: 82.8/61

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 634.471+/-0.103 χ^2/NDF: 5627569.5/33

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 632.480+/-0.102 χ^2/NDF: 6795355.3/38

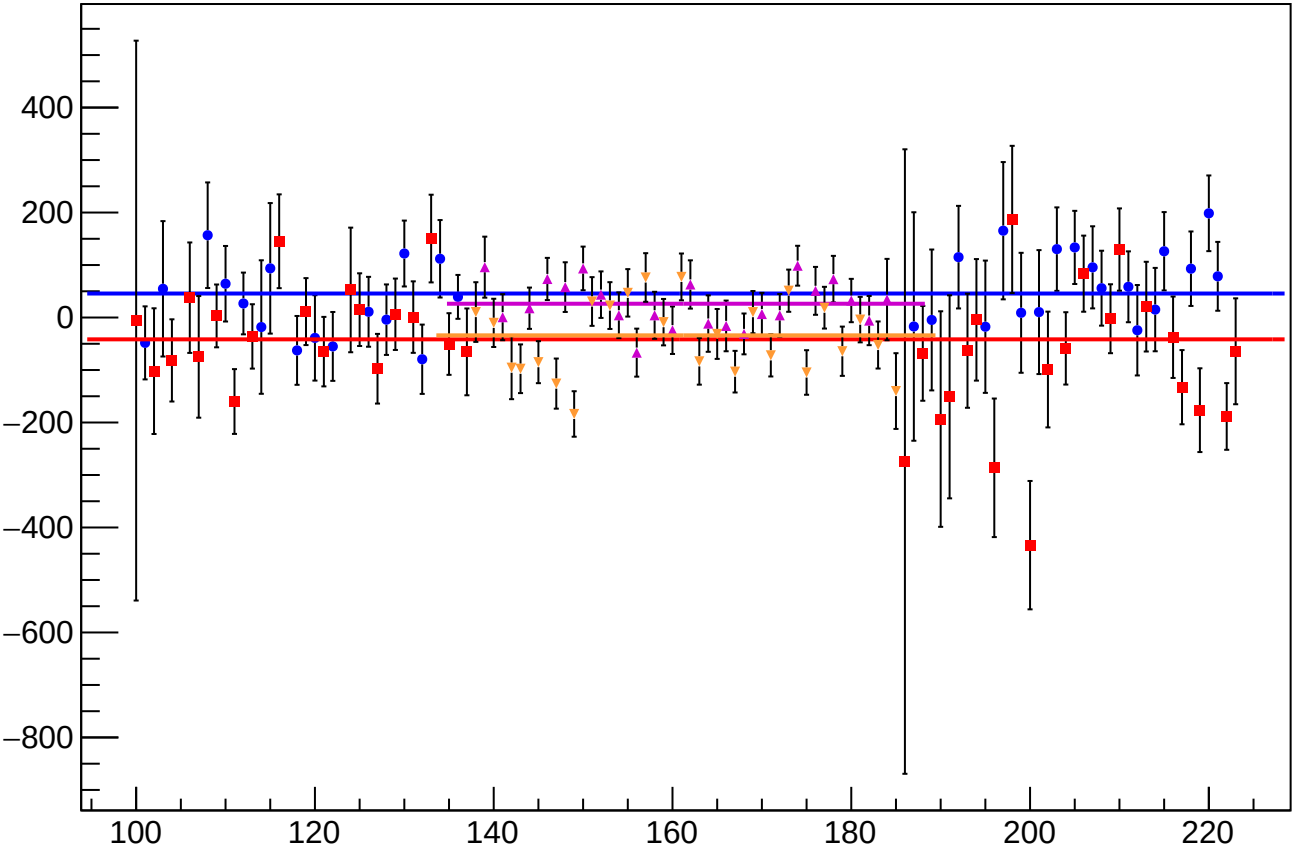
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 363.079+/-0.045 χ^2/NDF: 16028597.0/58

All: 365.247+/-0.032 χ^2/NDF: 32744802.7/12

- sign 367.499+/-0.046 χ^2/NDF: 16711399.6/61

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 45.725+/-13.168 χ^2/NDF: 28.9/33

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -41.576+/-13.221 χ^2/NDF: 55.4/38

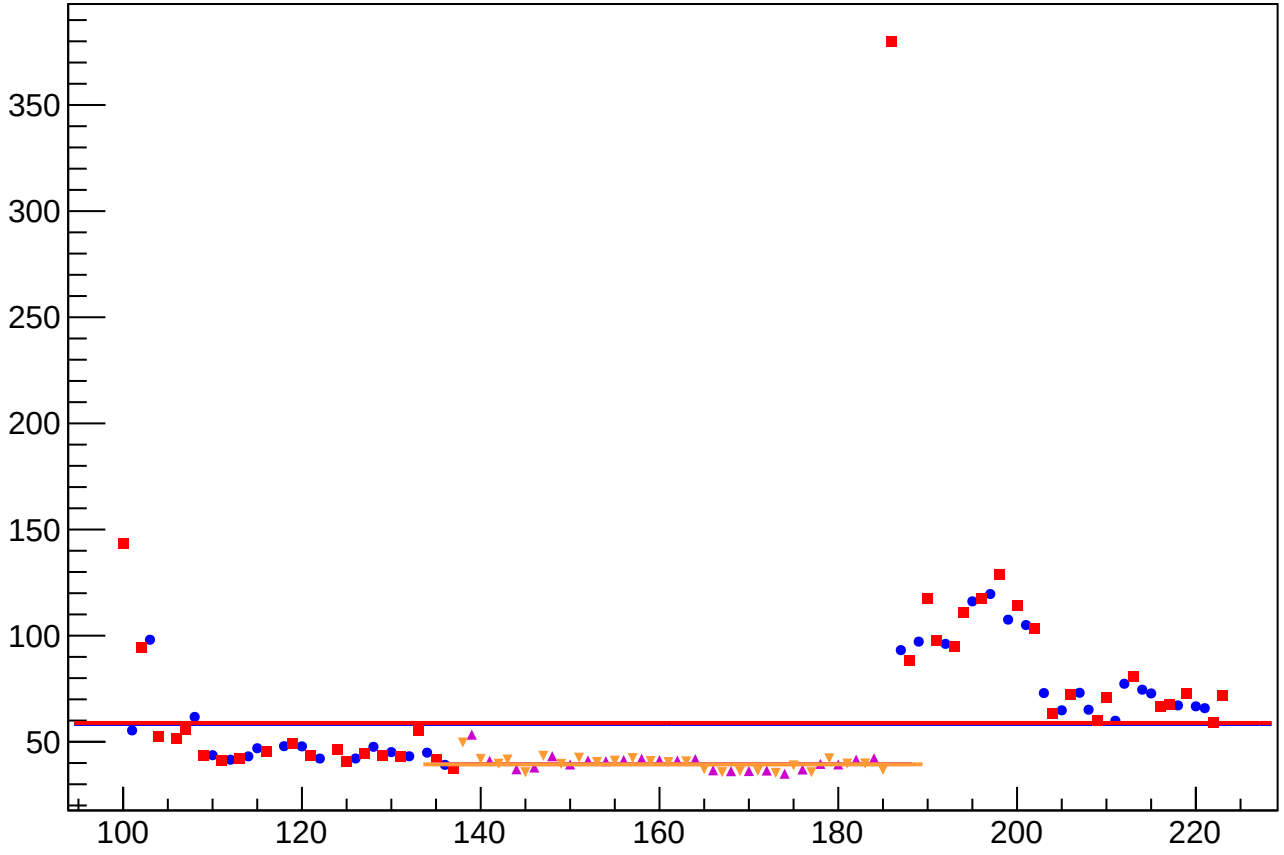
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -8.609+/-7.427 χ^2/NDF: 112.6/58

All: -2.490+/-5.309 χ^2/NDF: 209.5/120

- sign 3.902+/-7.591 χ^2/NDF: 95.5/61

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 58.415+/-0.009 χ^2/NDF: 4120463.5/33

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

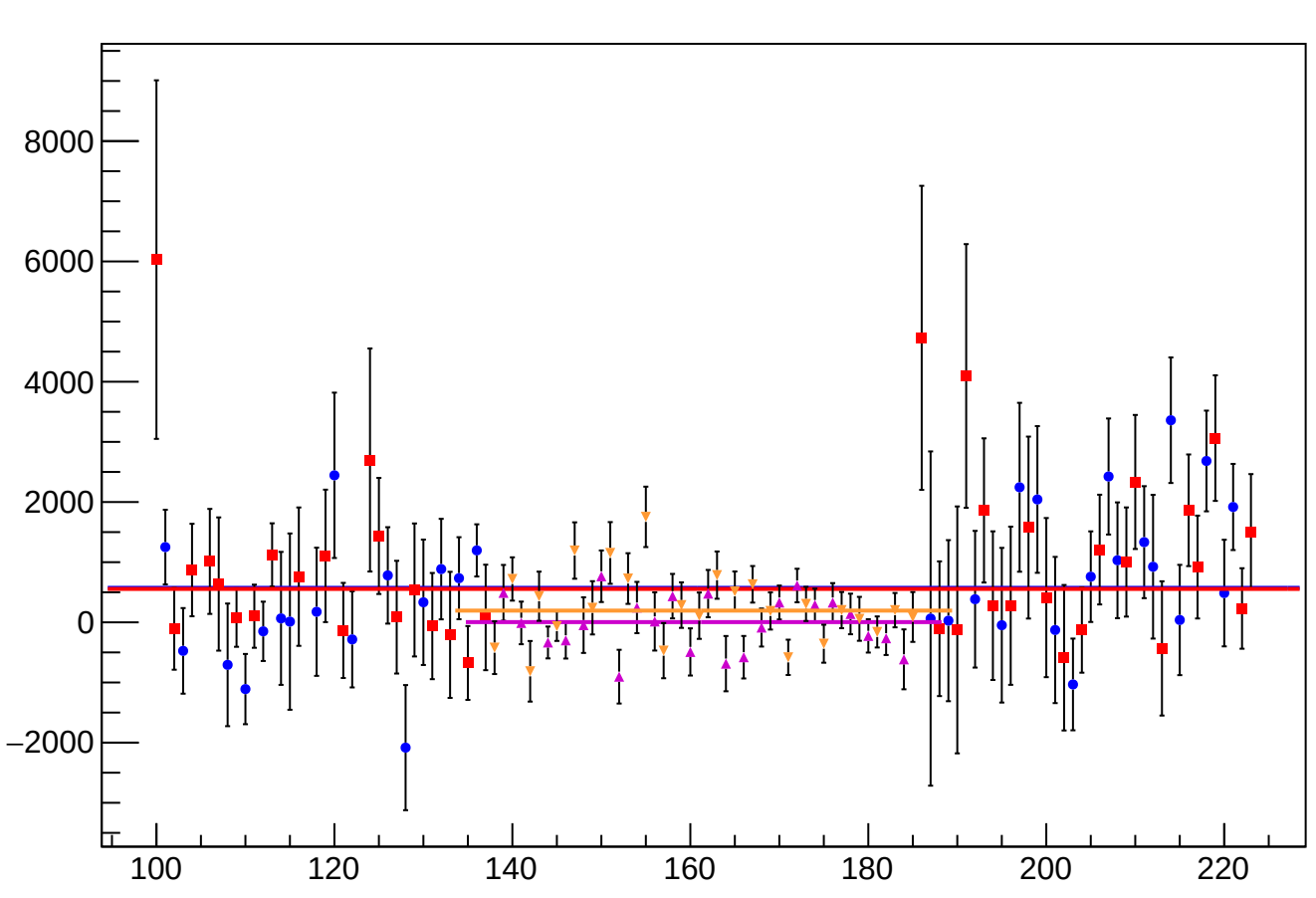
Right Out: 58.873+/-0.009 χ^2/NDF: 5358530.8/38

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 45.437+/-0.005 χ^2/NDF: 7198601.4/58

All: 45.654+/-0.004 χ^2/NDF: 15693823.3/120

- sign 45.880+/-0.005 χ^2/NDF: 8491733.3/61



Right In: 573.524+/-145.361 χ^2/NDF: 58.0/33

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 555.483+/-144.298 χ^2/NDF: 39.0/38

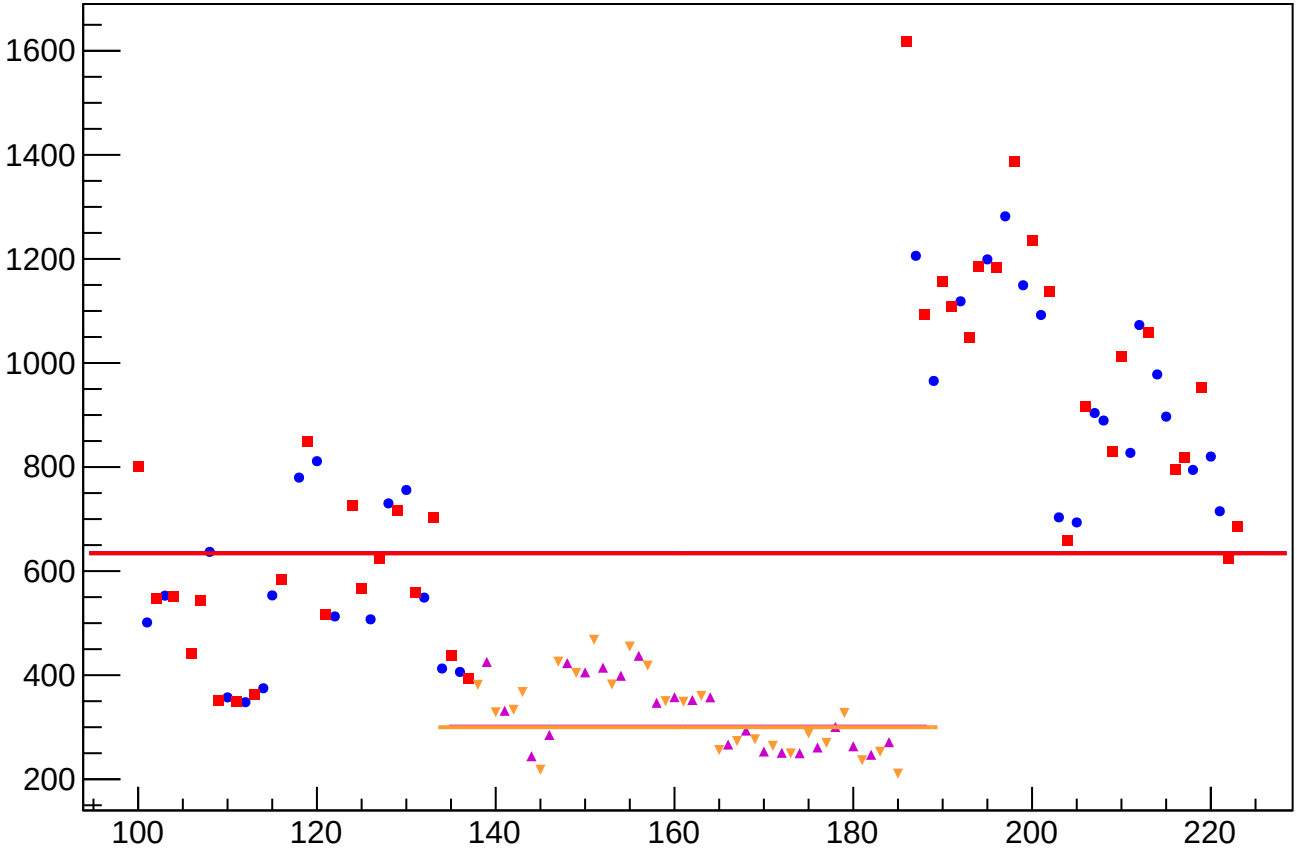
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 266.432+/-63.136 χ^2/NDF: 112.1/58

All: 191.690+/-45.088 χ^2/NDF: 198.0/120

- sign 113.897+/-64.412 χ^2/NDF: 83.1/61

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 634.473+/-0.103 χ^2/NDF: 5627541.8/33

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 634.382+/-0.102 χ^2/NDF: 6755221.3/38

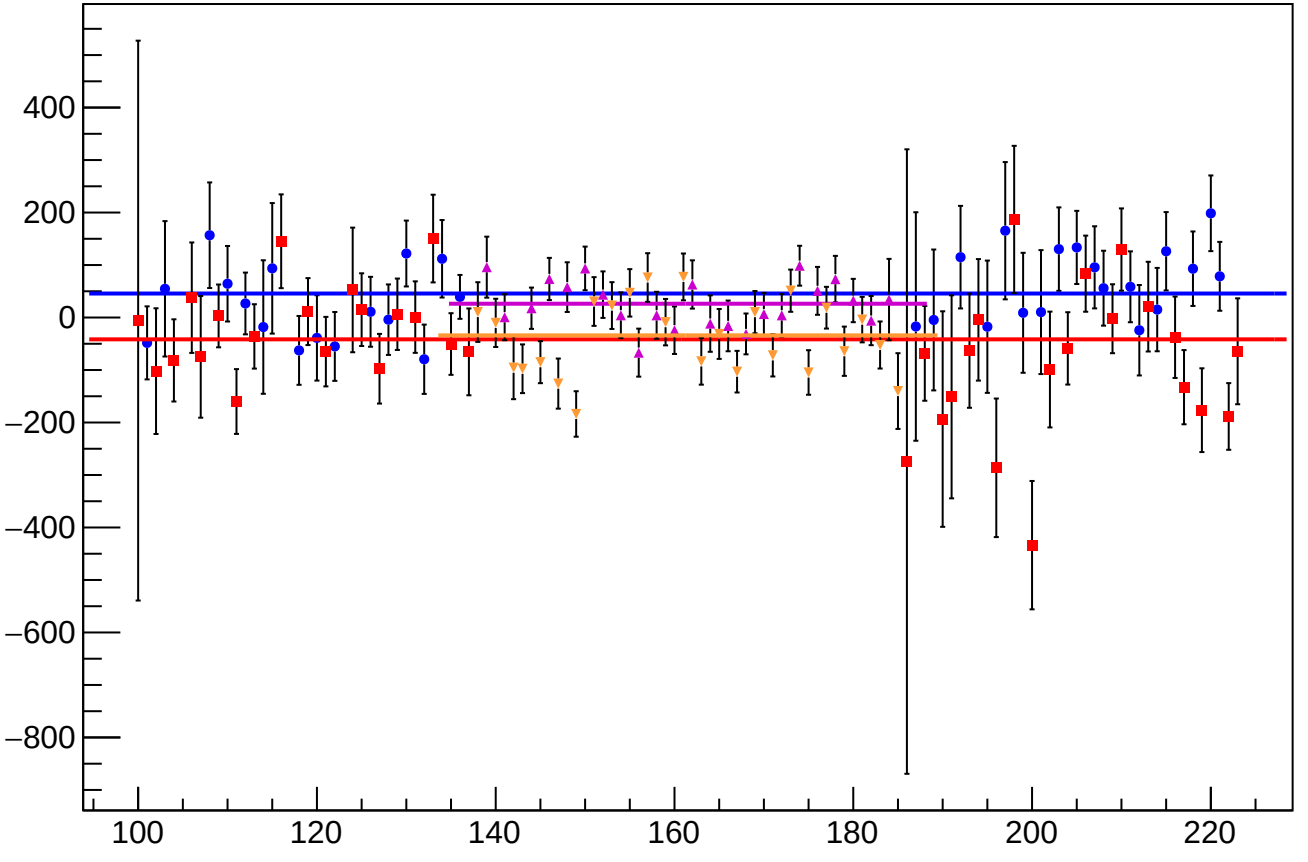
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 363.080+/-0.045 χ^2/NDF: 16028636.0/58

All: 365.210+/-0.032 χ^2/NDF: 32744189.9/12

- sign 367.427+/-0.046 χ^2/NDF: 16710906.5/61

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 45.725+/-13.168 χ^2/NDF: 28.9/33

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -41.576+/-13.221 χ^2/NDF: 55.4/38

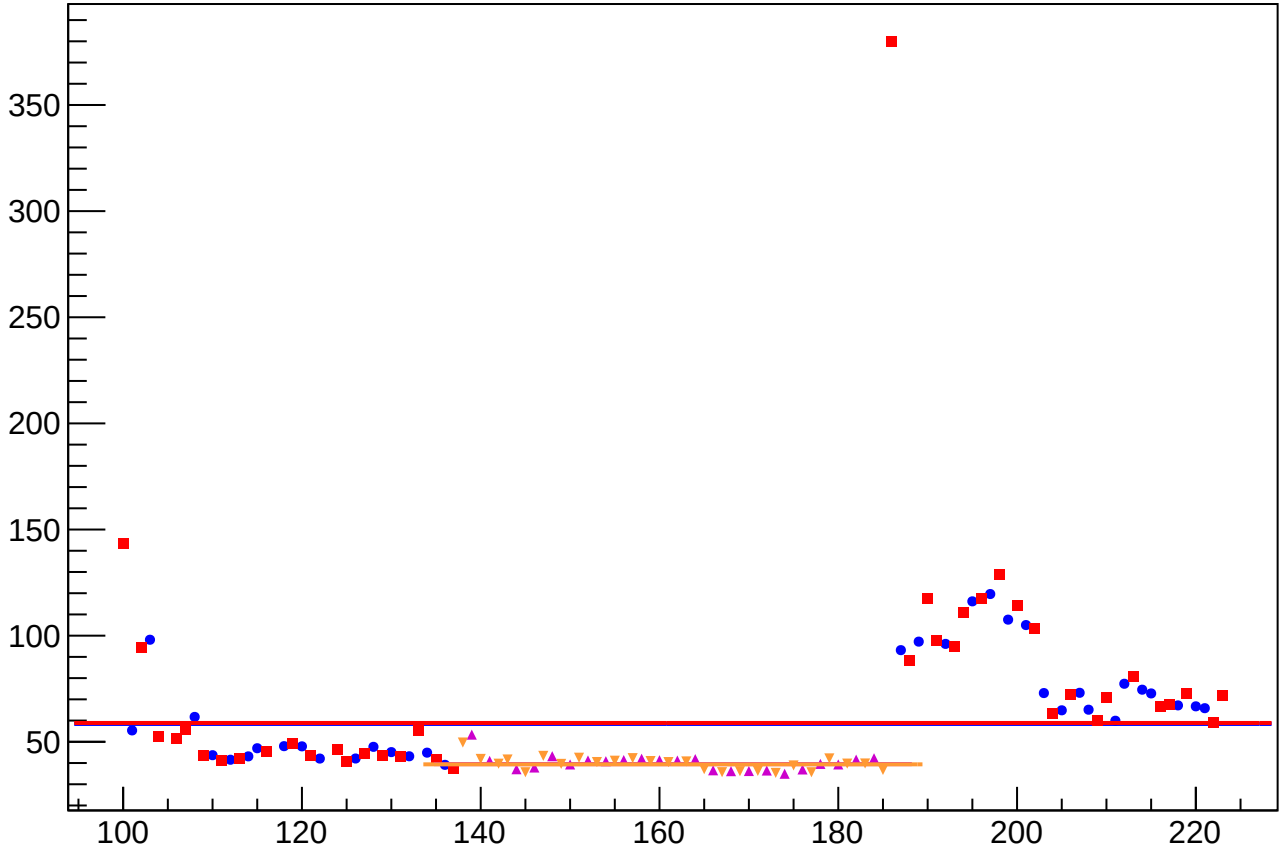
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -8.609+/-7.427 χ^2/NDF: 112.6/58

All: -2.490+/-5.309 χ^2/NDF: 209.5/120

- sign 3.902+/-7.591 χ^2/NDF: 95.5/61

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 58.415+/-0.009 χ^2/NDF: 4120463.5/33

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

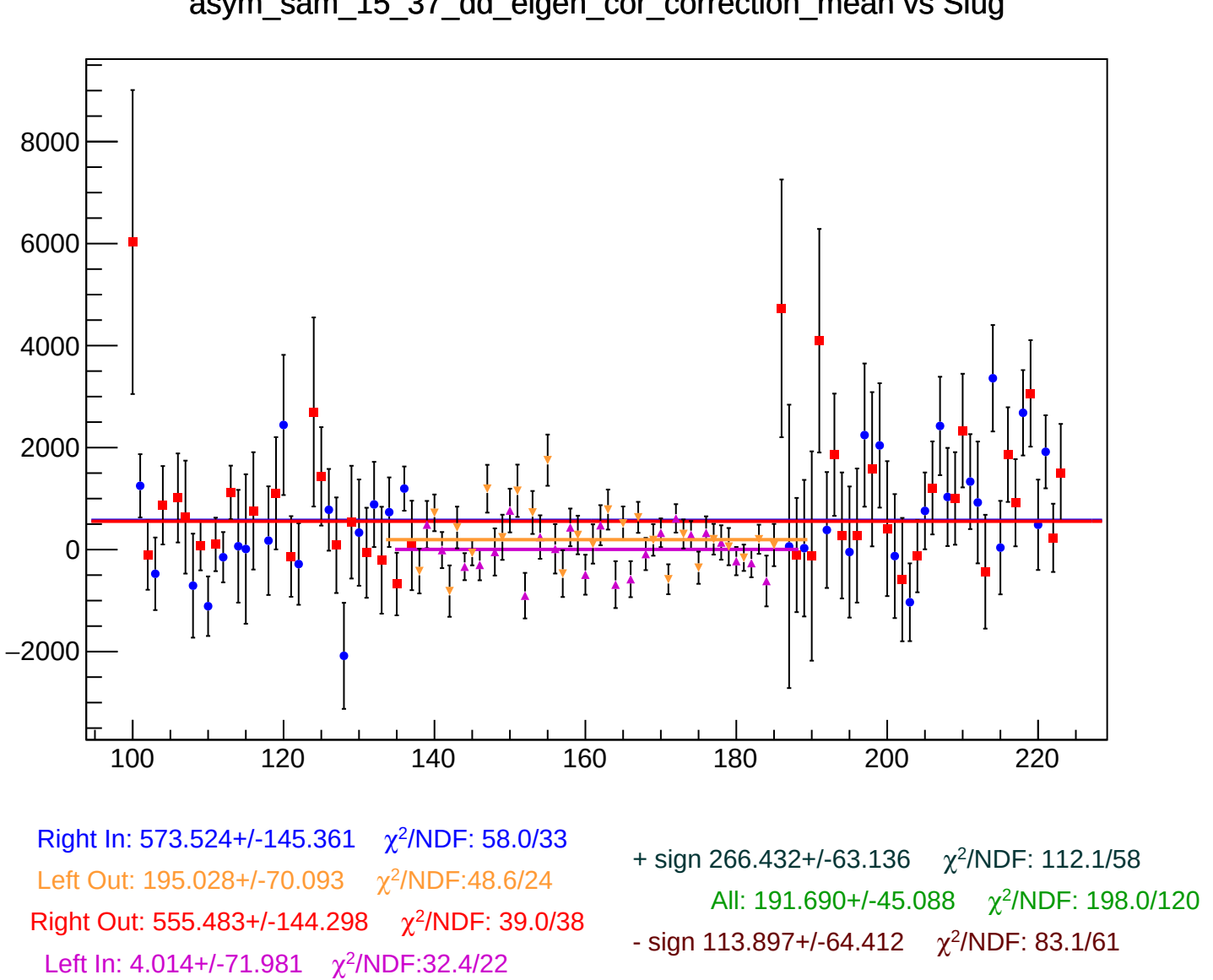
Right Out: 58.873+/-0.009 χ^2/NDF: 5358530.8/38

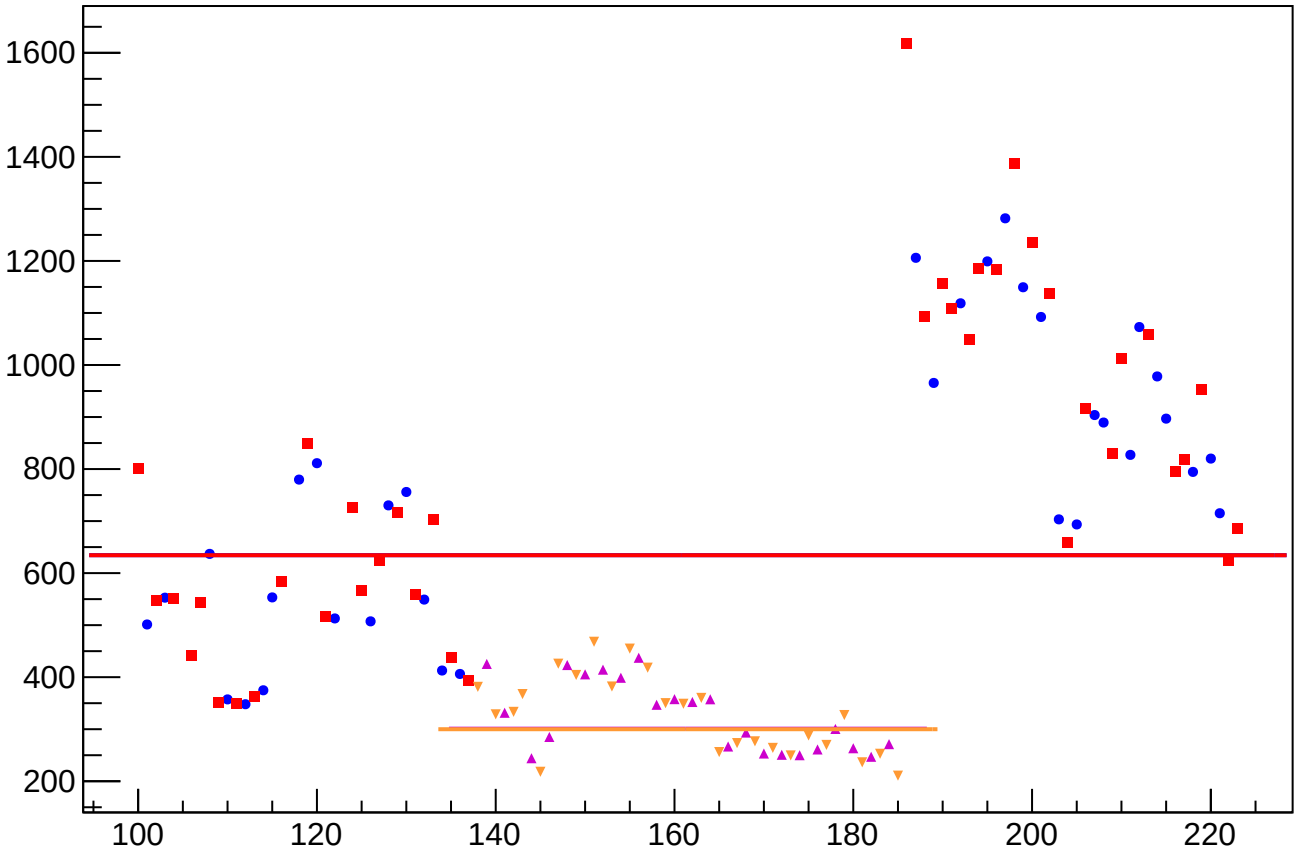
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 45.437+/-0.005 χ^2/NDF: 7198601.4/58

All: 45.654+/-0.004 χ^2/NDF: 15693823.3/120

- sign 45.880+/-0.005 χ^2/NDF: 8491733.3/61


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 573.524+/-145.361 χ²/NDF: 58.0/33
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 555.483+/-144.298 χ²/NDF: 39.0/38
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 266.432+/-63.136 χ²/NDF: 112.1/58
All: 191.690+/-45.088 χ²/NDF: 198.0/120
- sign 113.897+/-64.412 χ²/NDF: 83.1/61



Right In: 634.473+/-0.103 χ^2/NDF: 5627541.8/33

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 634.382+/-0.102 χ^2/NDF: 6755221.3/38

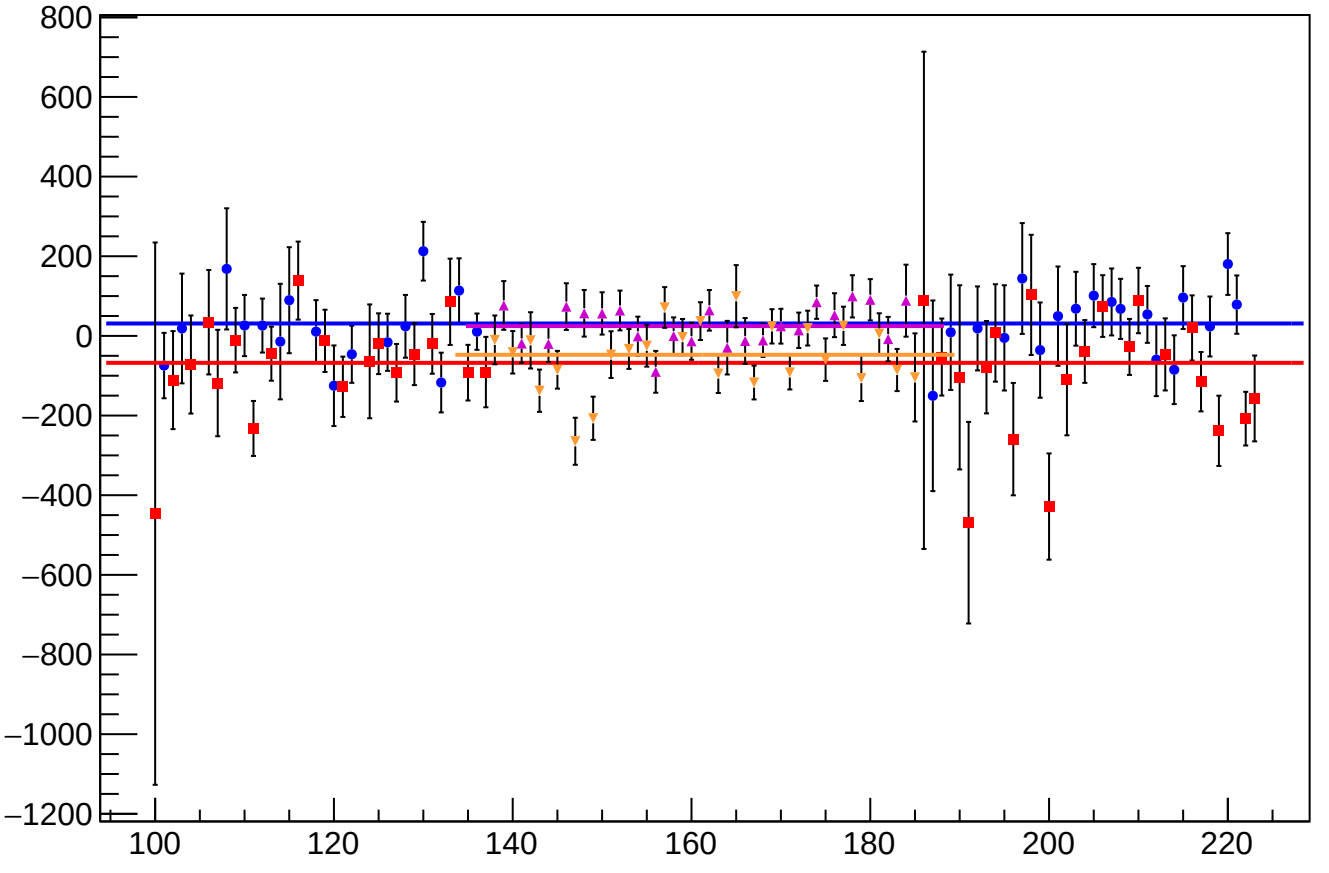
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 363.080+/-0.045 χ^2/NDF: 16028636.0/58

All: 365.210+/-0.032 χ^2/NDF: 32744189.9/12

- sign 367.427+/-0.046 χ^2/NDF: 16710906.5/61

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 31.165+/-14.634 χ^2/NDF: 29.0/33

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -67.633+/-14.918 χ^2/NDF: 47.6/38

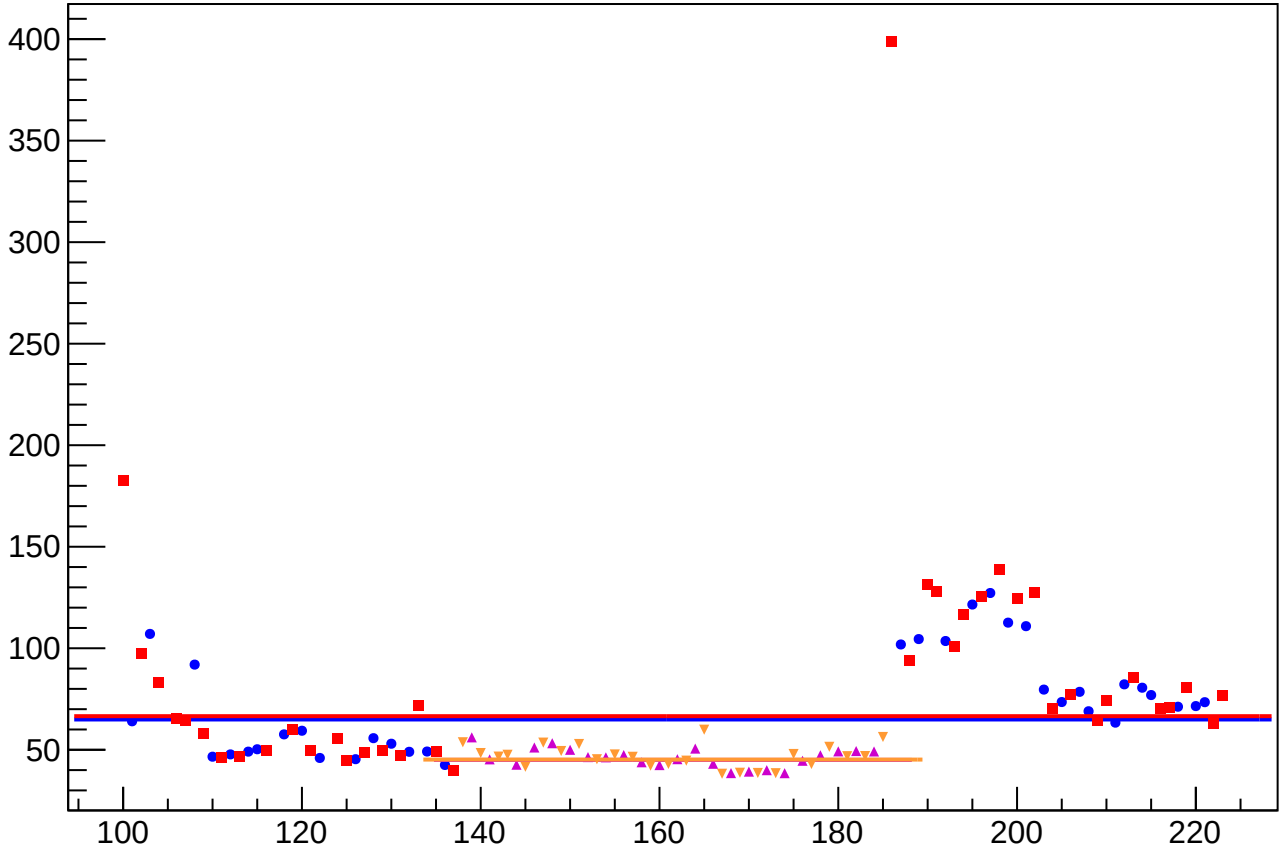
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -21.116+/-8.473 χ^2/NDF: 102.9/58

All: -13.987+/-6.061 χ^2/NDF: 197.0/120

- sign -6.518+/-8.673 χ^2/NDF: 92.7/61

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.928+/-0.010 χ^2/NDF: 3777603.7/33

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.552+/-0.011 χ^2/NDF: 4919687.5/38

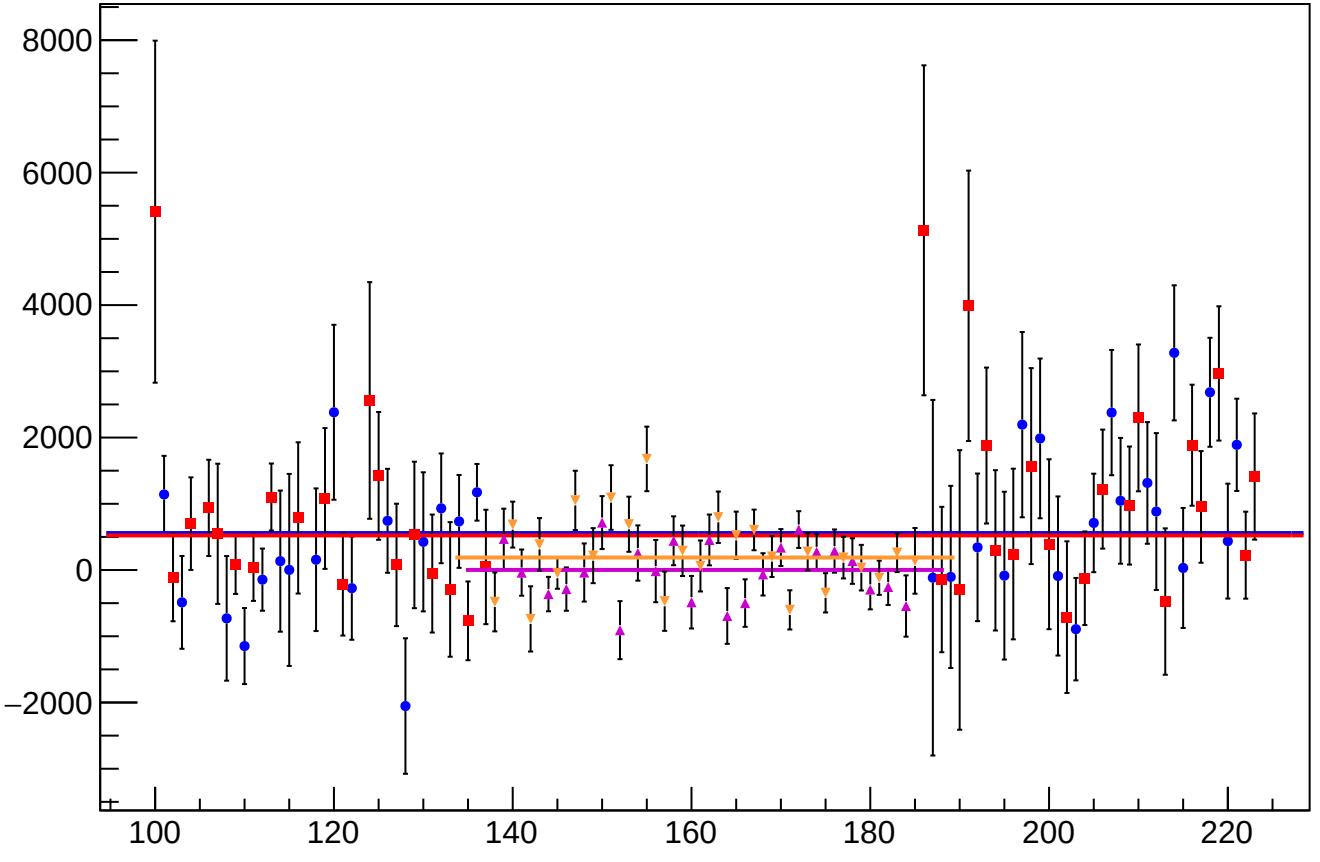
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 51.797+/-0.006 χ^2/NDF: 6689742.5/58

All: 52.041+/-0.004 χ^2/NDF: 14744397.1/120

- sign 52.296+/-0.006 χ^2/NDF: 8051258.4/61

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 558.141+/-142.553 χ^2/NDF: 58.3/33

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 522.985+/-139.223 χ^2/NDF: 42.2/38

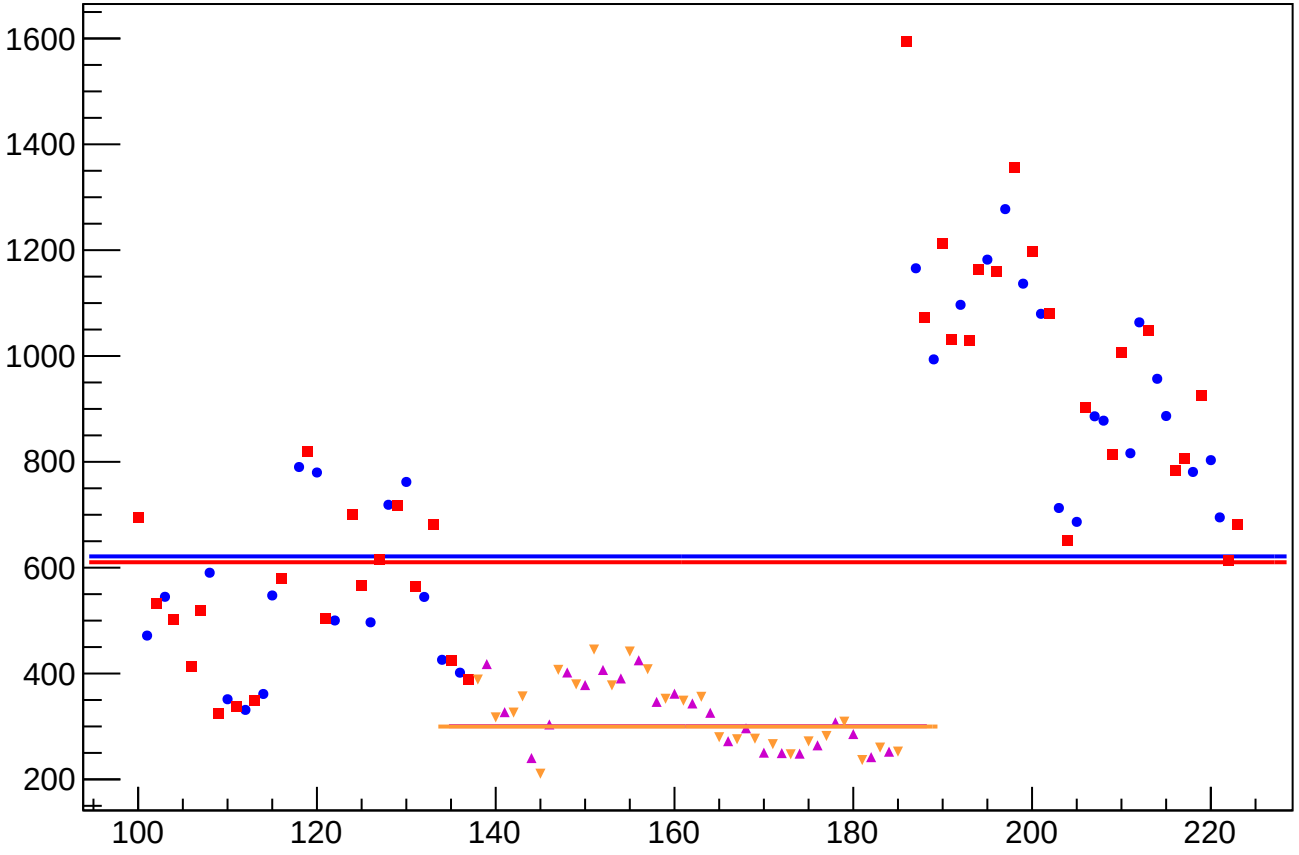
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 260.093+/-62.626 χ^2/NDF: 110.5/58

All: 186.860+/-44.676 χ^2/NDF: 198.8/120

- sign 110.970+/-63.752 χ^2/NDF: 85.5/61

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 621.339+/-0.101 χ^2/NDF: 5789166.8/33

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 610.288+/-0.098 χ^2/NDF: 7143348.1/38

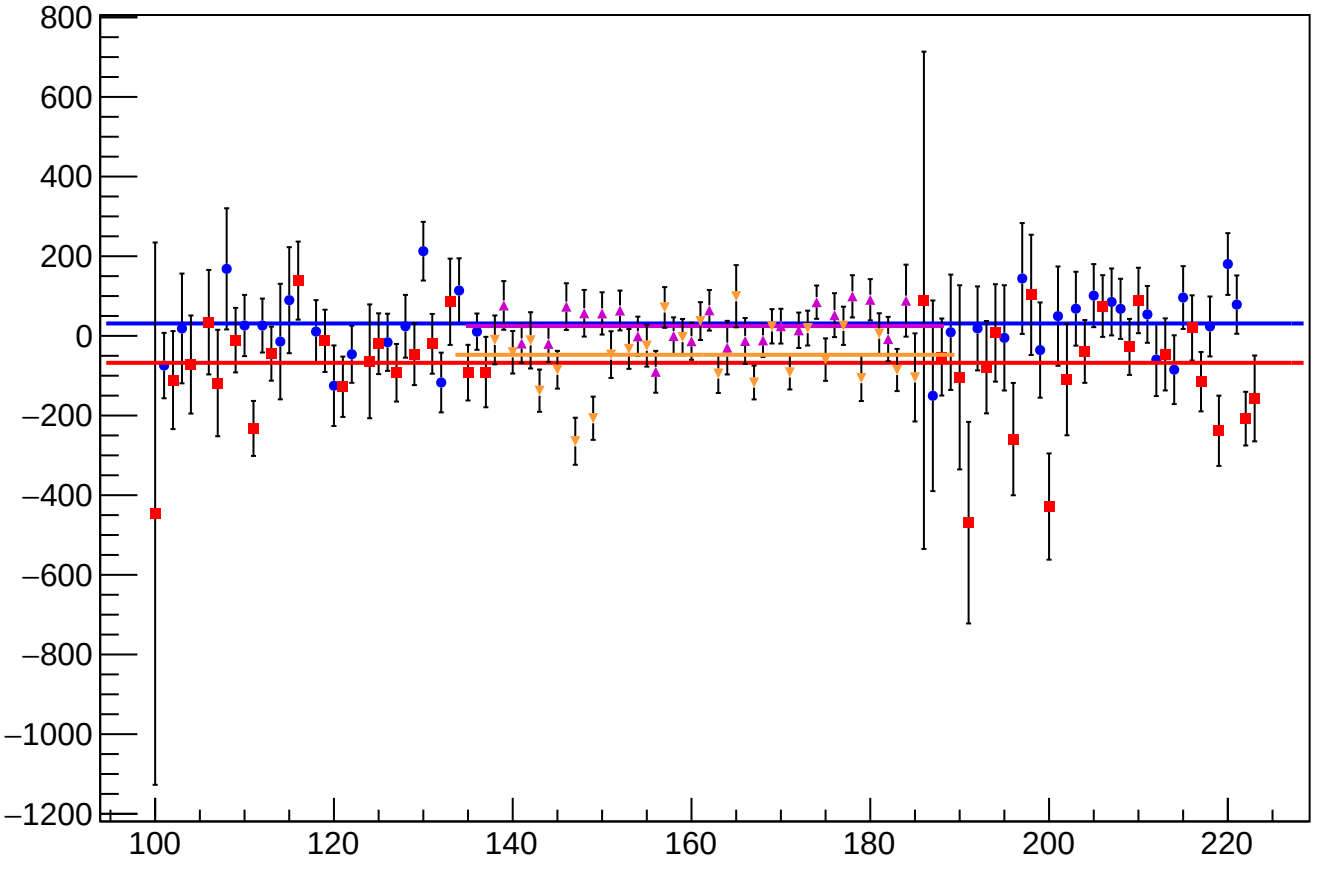
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 361.856+/-0.044 χ^2/NDF: 15578143.4/58

All: 363.642+/-0.032 χ^2/NDF: 31807865.8/12

- sign 365.493+/-0.045 χ^2/NDF: 16226409.4/61

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 31.165+/-14.634 χ^2/NDF: 29.0/33

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -67.634+/-14.918 χ^2/NDF: 47.6/38

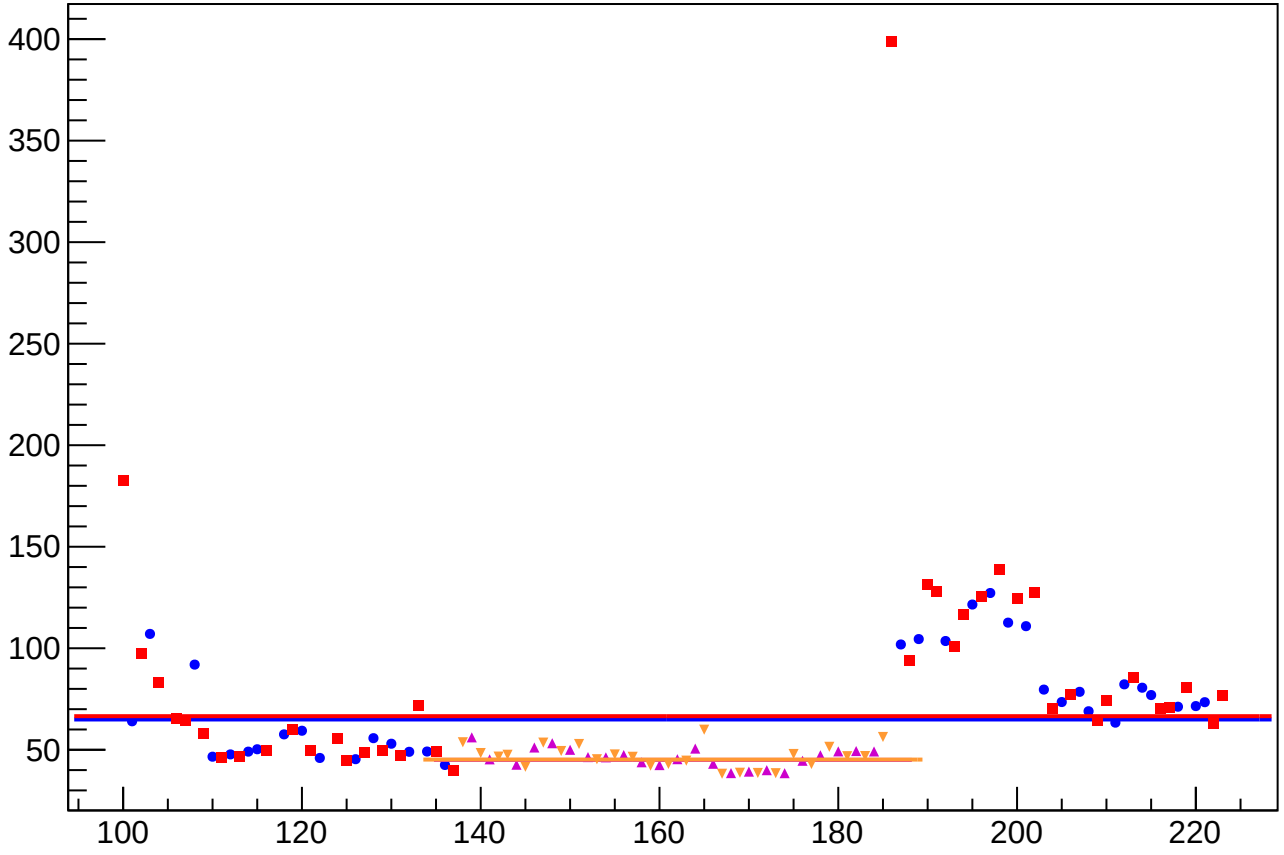
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -21.117+/-8.473 χ^2/NDF: 102.9/58

All: -13.988+/-6.061 χ^2/NDF: 197.0/120

- sign -6.518+/-8.673 χ^2/NDF: 92.7/61

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.928+/-0.010 χ^2/NDF: 3777604.8/33

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

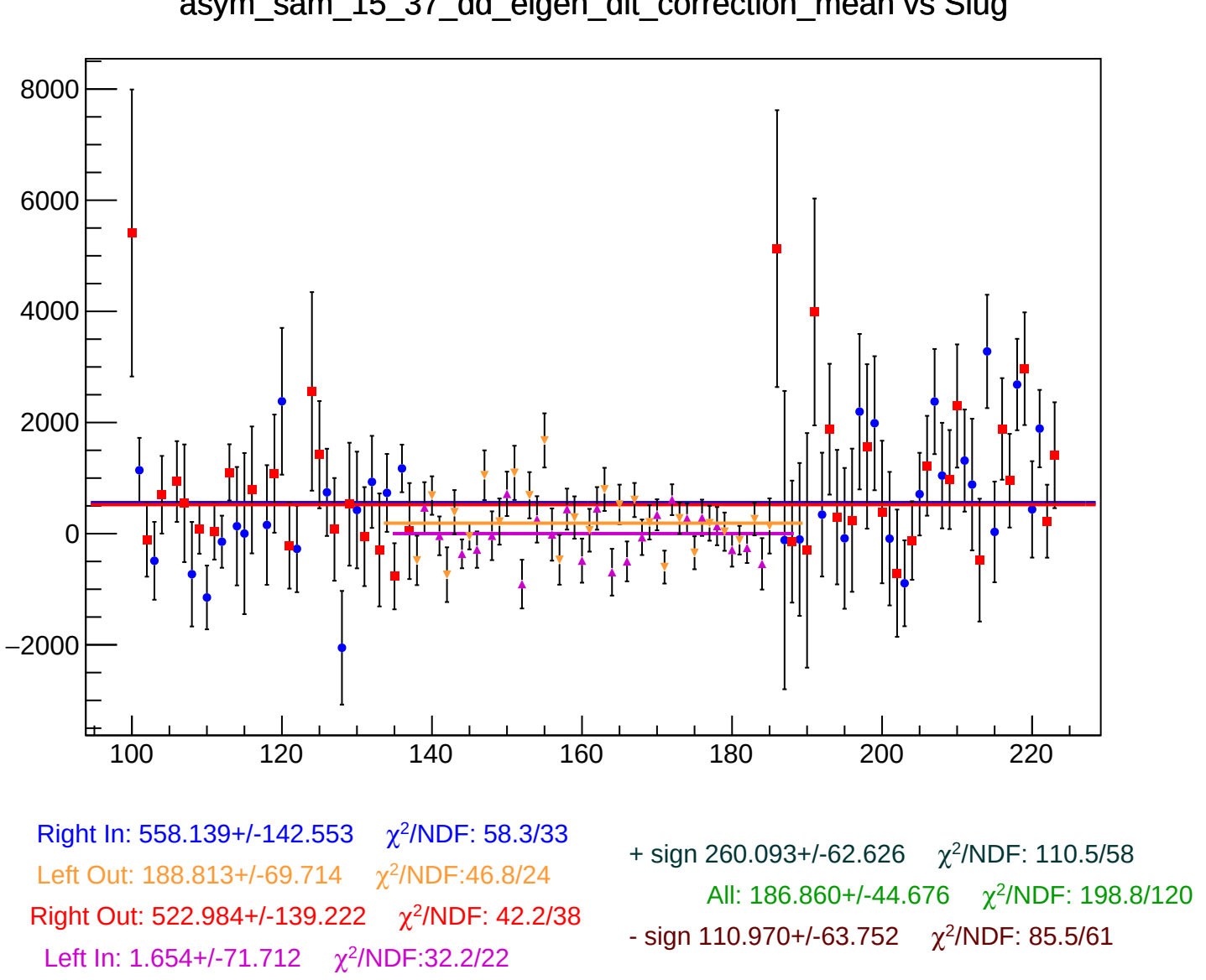
Right Out: 66.552+/-0.011 χ^2/NDF: 4919689.0/38

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

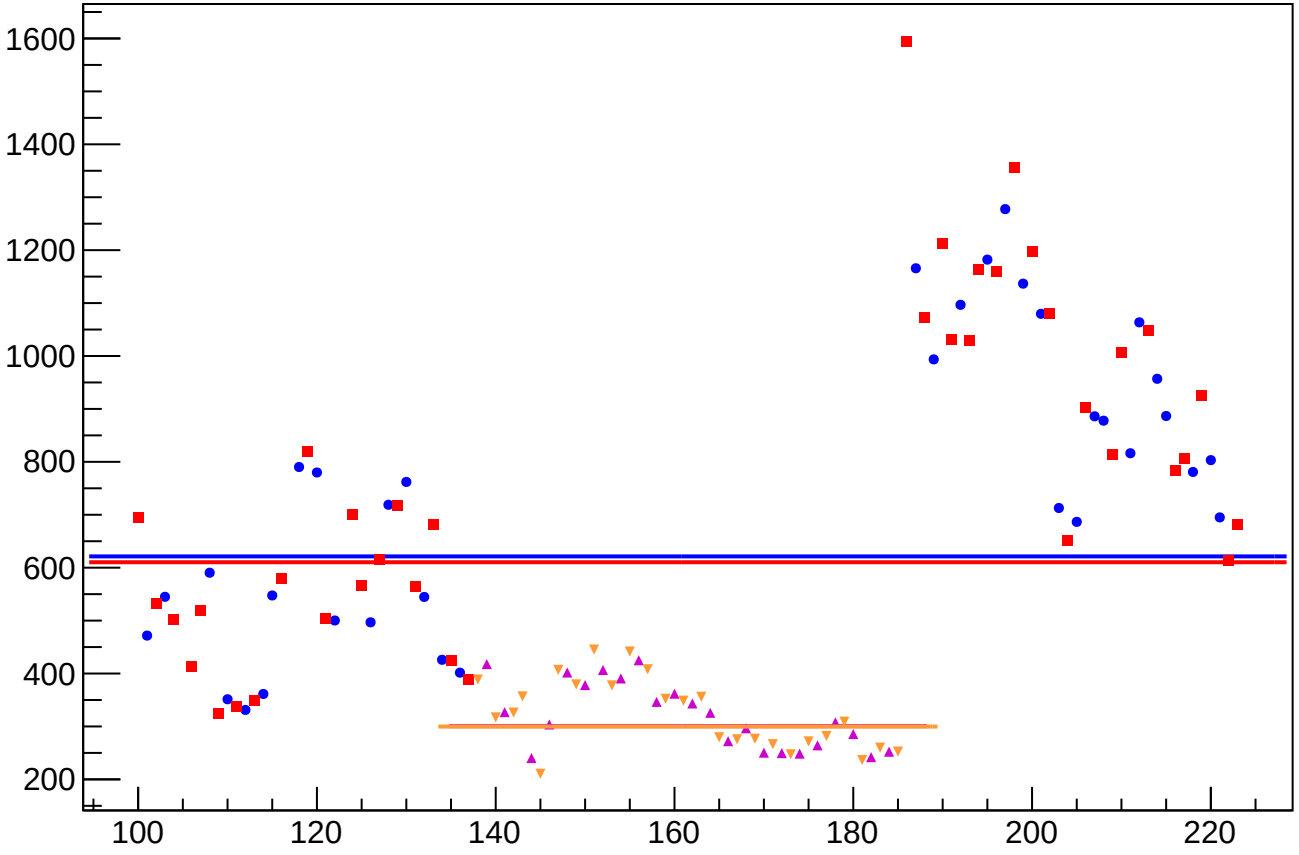
+ sign 51.797+/-0.006 χ^2/NDF: 6689739.2/58

All: 52.041+/-0.004 χ^2/NDF: 14744389.3/120

- sign 52.296+/-0.006 χ^2/NDF: 8051253.3/61


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 558.139+/-142.553 χ²/NDF: 58.3/33
Left Out: 188.813+/-69.714 χ²/NDF:46.8/24
Right Out: 522.984+/-139.222 χ²/NDF: 42.2/38
Left In: 1.654+/-71.712 χ²/NDF:32.2/22
+ sign 260.093+/-62.626 χ²/NDF: 110.5/58
All: 186.860+/-44.676 χ²/NDF: 198.8/120
- sign 110.970+/-63.752 χ²/NDF: 85.5/61

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 621.339+/-0.101 χ^2/NDF: 5789191.3/33

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 610.287+/-0.098 χ^2/NDF: 7143366.1/38

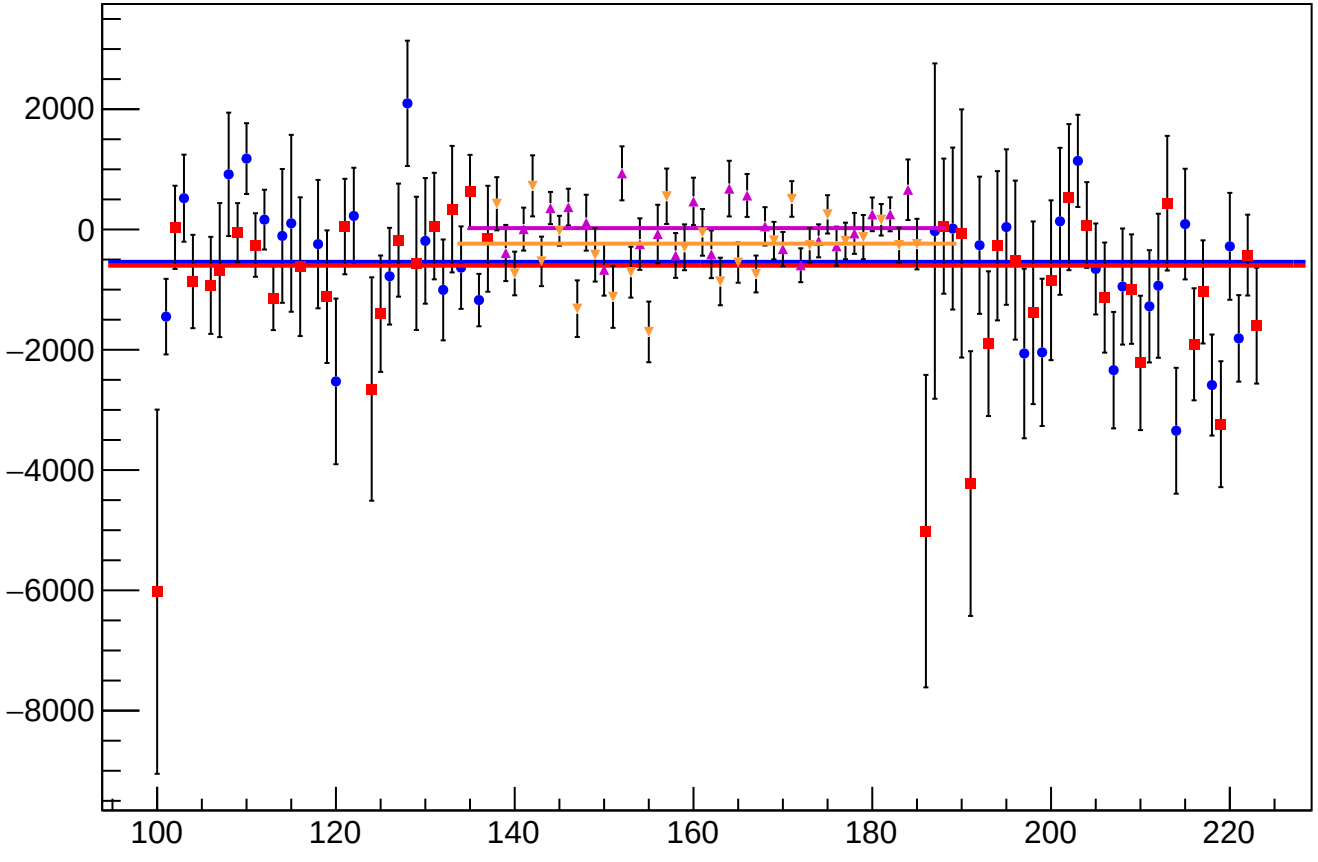
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

\+ sign 361.856+/-0.044 χ^2/NDF: 15578131.6/58

All: 363.642+/-0.032 χ^2/NDF: 31807817.3/12

\- sign 365.493+/-0.045 χ^2/NDF: 16226372.3/61

asym_sam_15_37_dd_mean vs Slug



Right In: -538.010+/-146.190 χ^2/NDF: 58.7/33

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -602.664+/-144.755 χ^2/NDF: 38.1/38

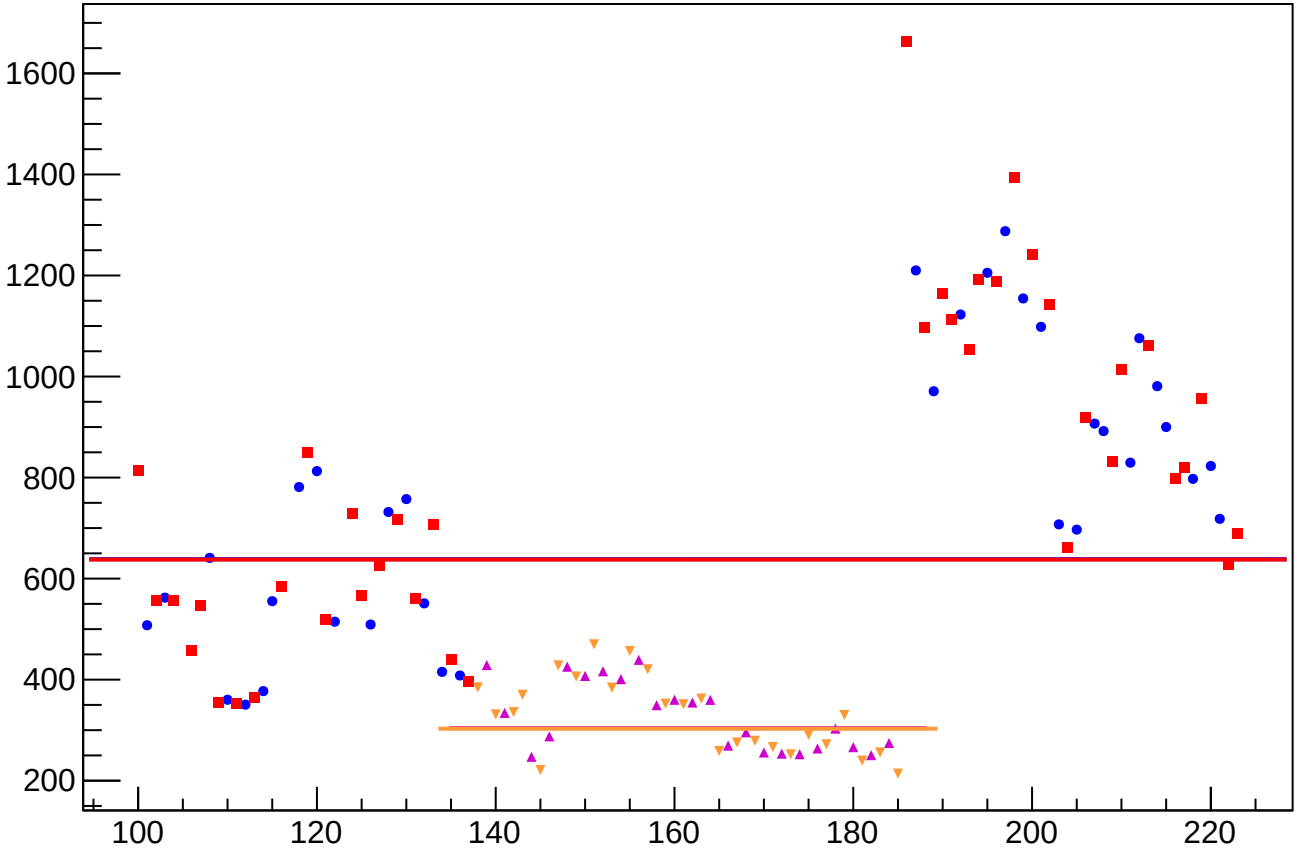
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -292.626+/-63.678 χ^2/NDF: 109.6/58

All: -199.719+/-45.462 χ^2/NDF: 196.8/120

- sign -103.135+/-64.926 χ^2/NDF: 82.9/61

asym_sam_15_37_dd_rms vs Slug



Right In: 638.431+/-0.103 χ^2/NDF: 5587948.8/33

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 637.734+/-0.102 χ^2/NDF: 6724636.8/38

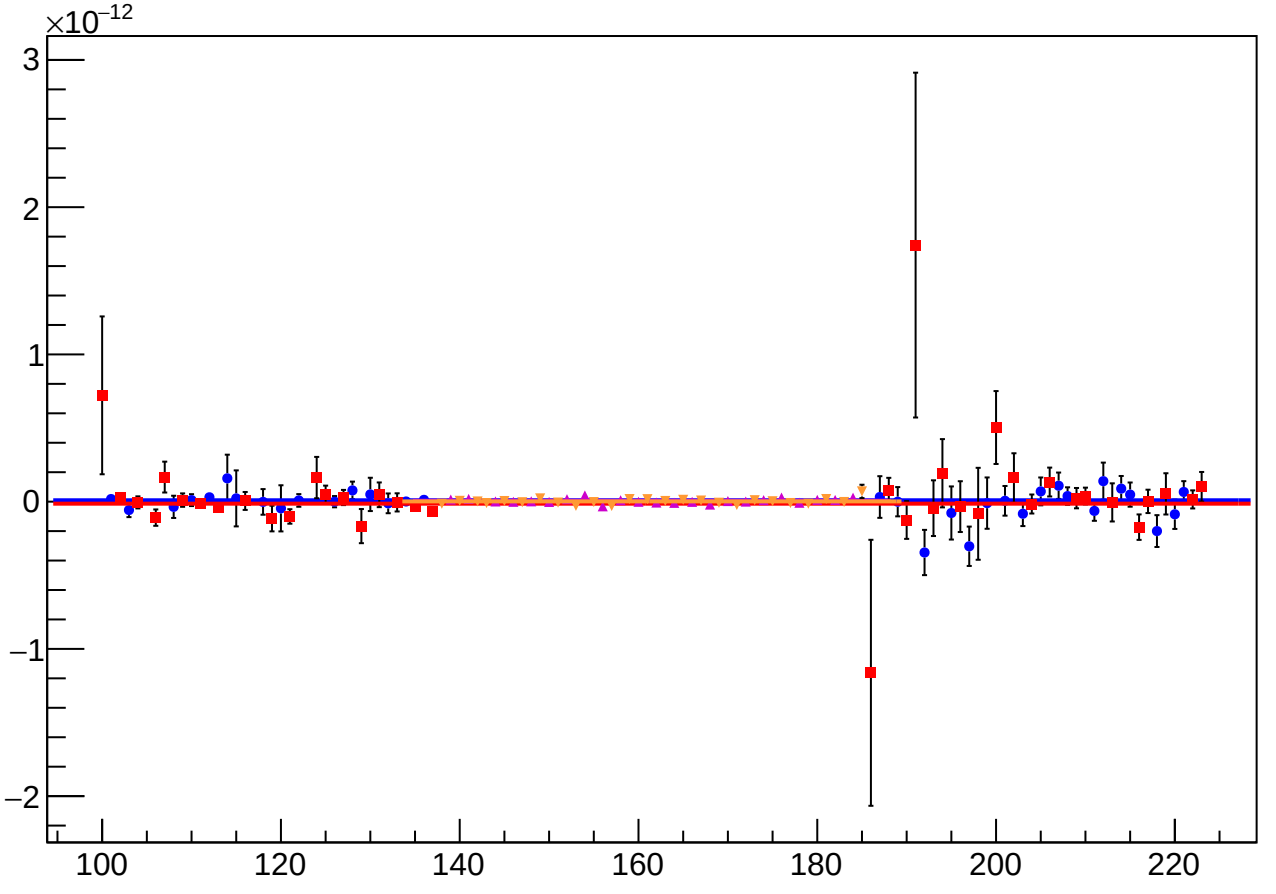
Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 366.596+/-0.045 χ^2/NDF: 15888450.3/58

All: 368.792+/-0.032 χ^2/NDF: 32490274.7/12

- sign 371.076+/-0.046 χ^2/NDF: 16596970.1/61

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

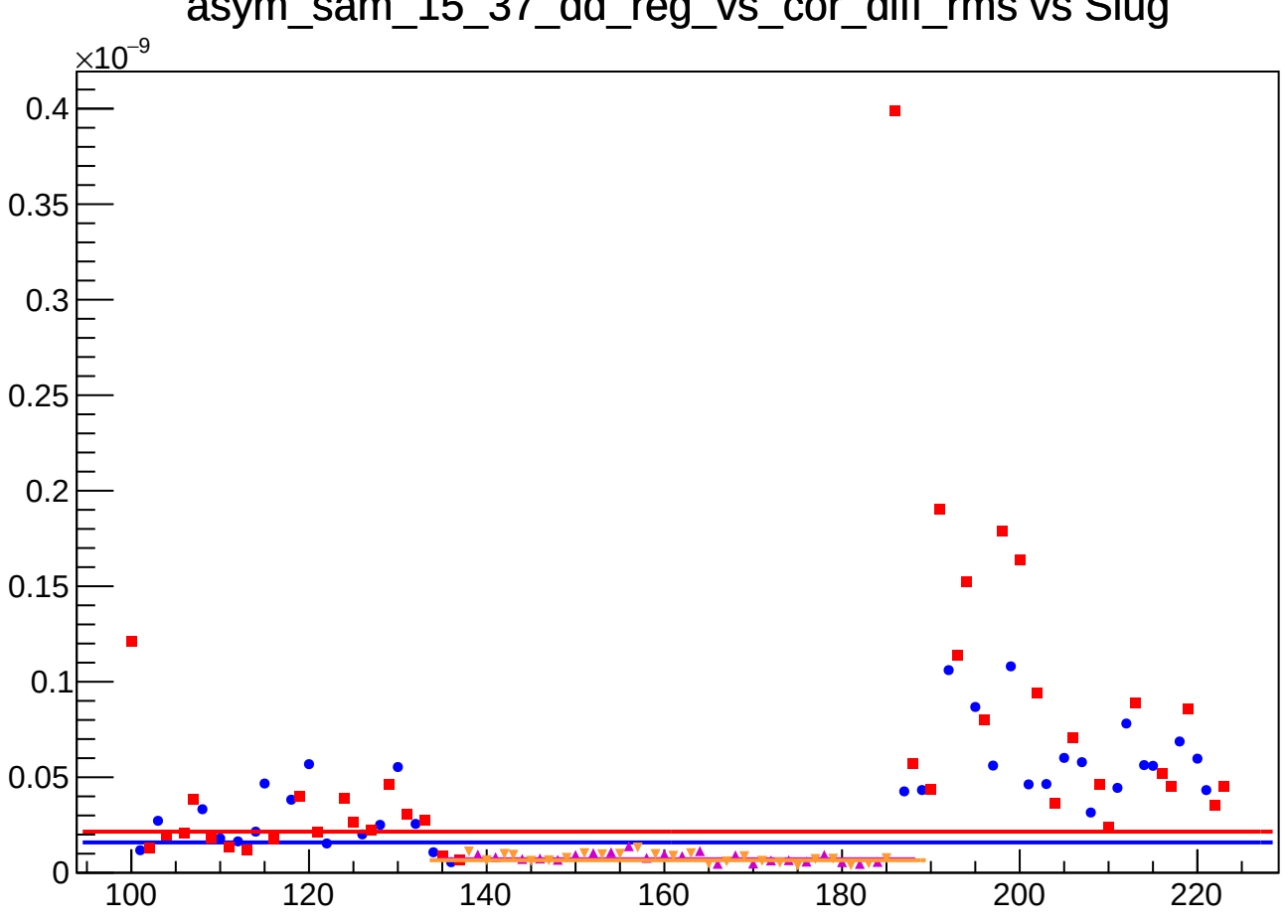
Right Out: -0.000+/-0.000 χ^2/NDF: 44.9/38

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/58

All: 0.000+/-0.000 χ^2/NDF: 119.3/120

- sign 0.000+/-0.000 χ^2/NDF: 67.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 9123394.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

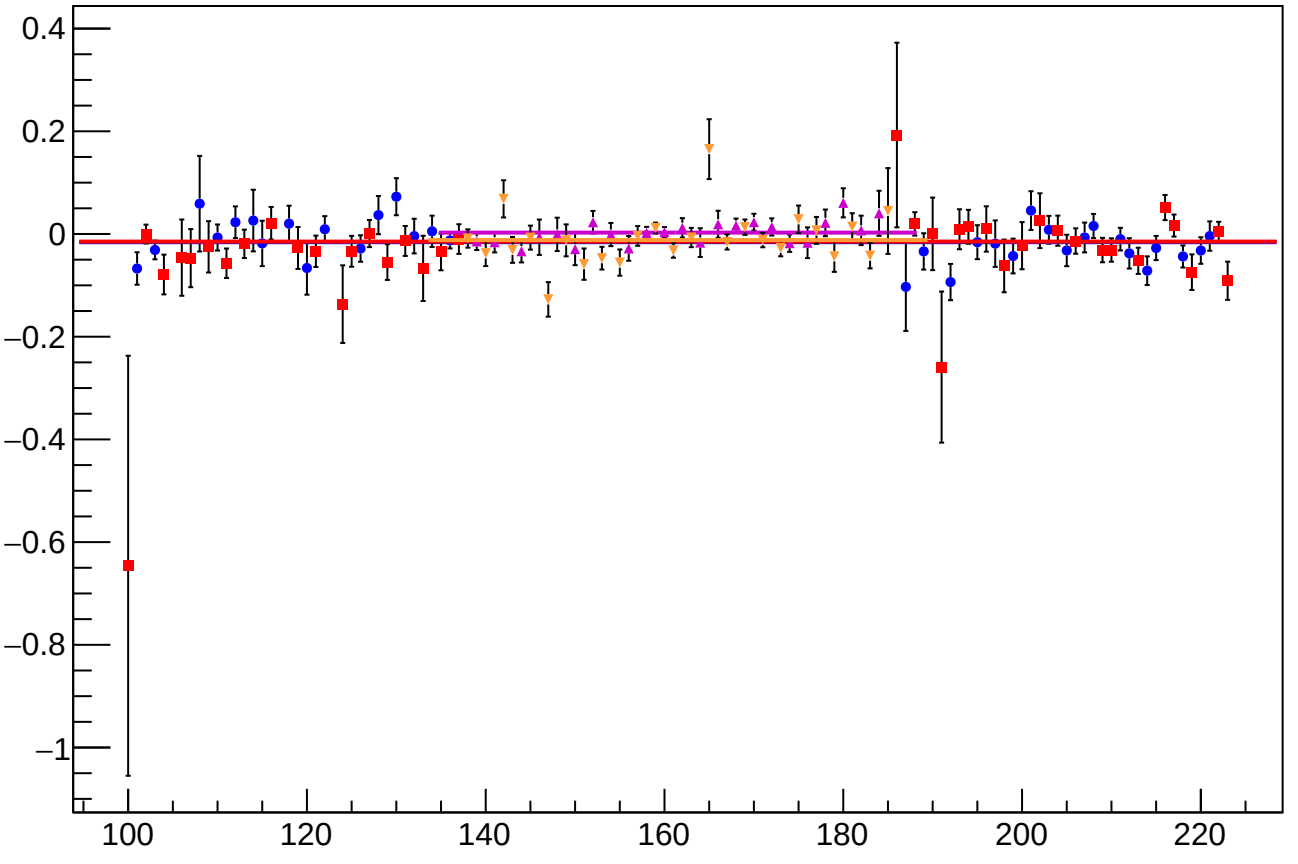
Right Out: 0.000+/-0.000 χ^2/NDF: 8023670.0/38

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13336380.5/58

All: 0.000+/-0.000 χ^2/NDF: 26801358.0/120

- sign 0.000+/-0.000 χ^2/NDF: 13385875.4/61



Right In: -0.016+/-0.005 χ^2/NDF: 37.5/33

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.015+/-0.005 χ^2/NDF: 46.6/38

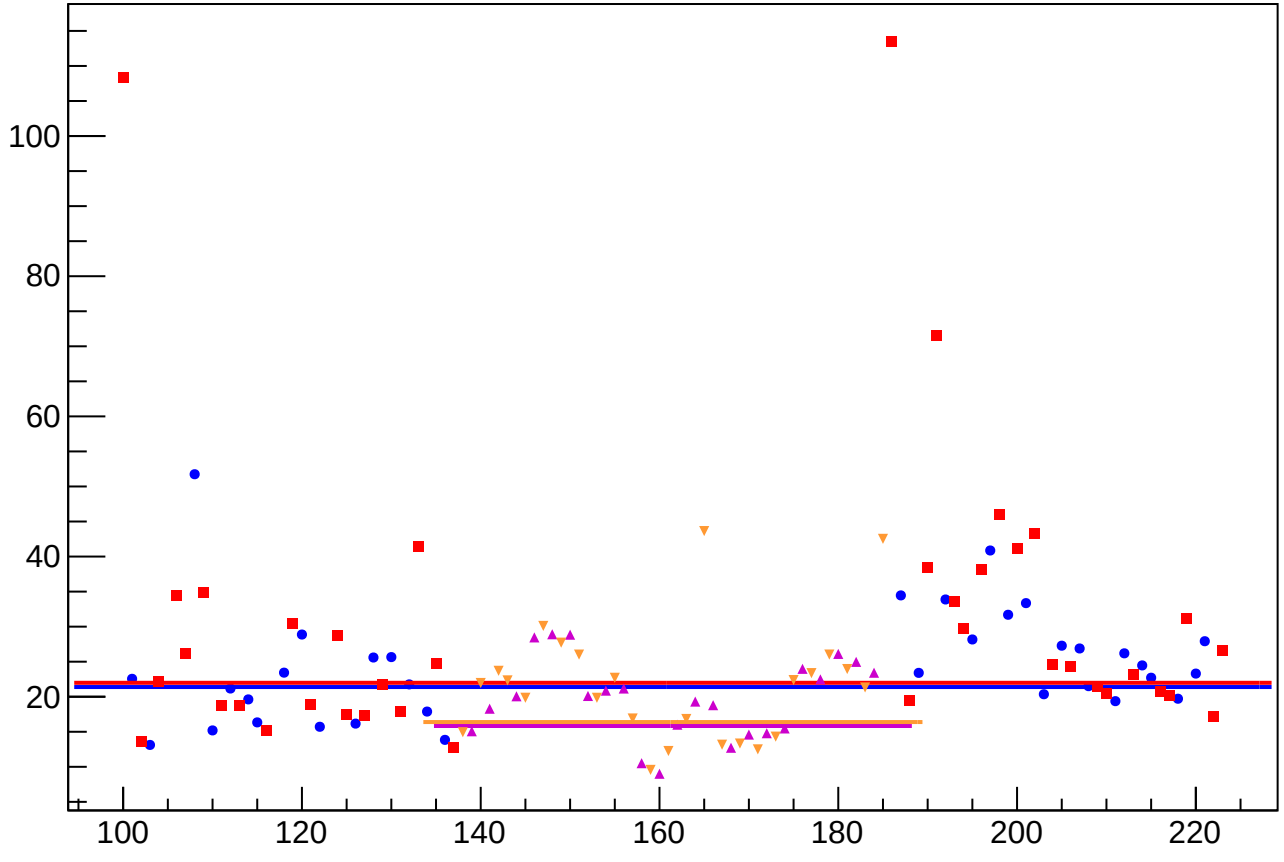
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 91.4/58

All: -0.009+/-0.002 χ^2/NDF: 169.4/120

- sign -0.004+/-0.003 χ^2/NDF: 73.5/61

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.384+/-0.004 χ^2/NDF: 3070786.8/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

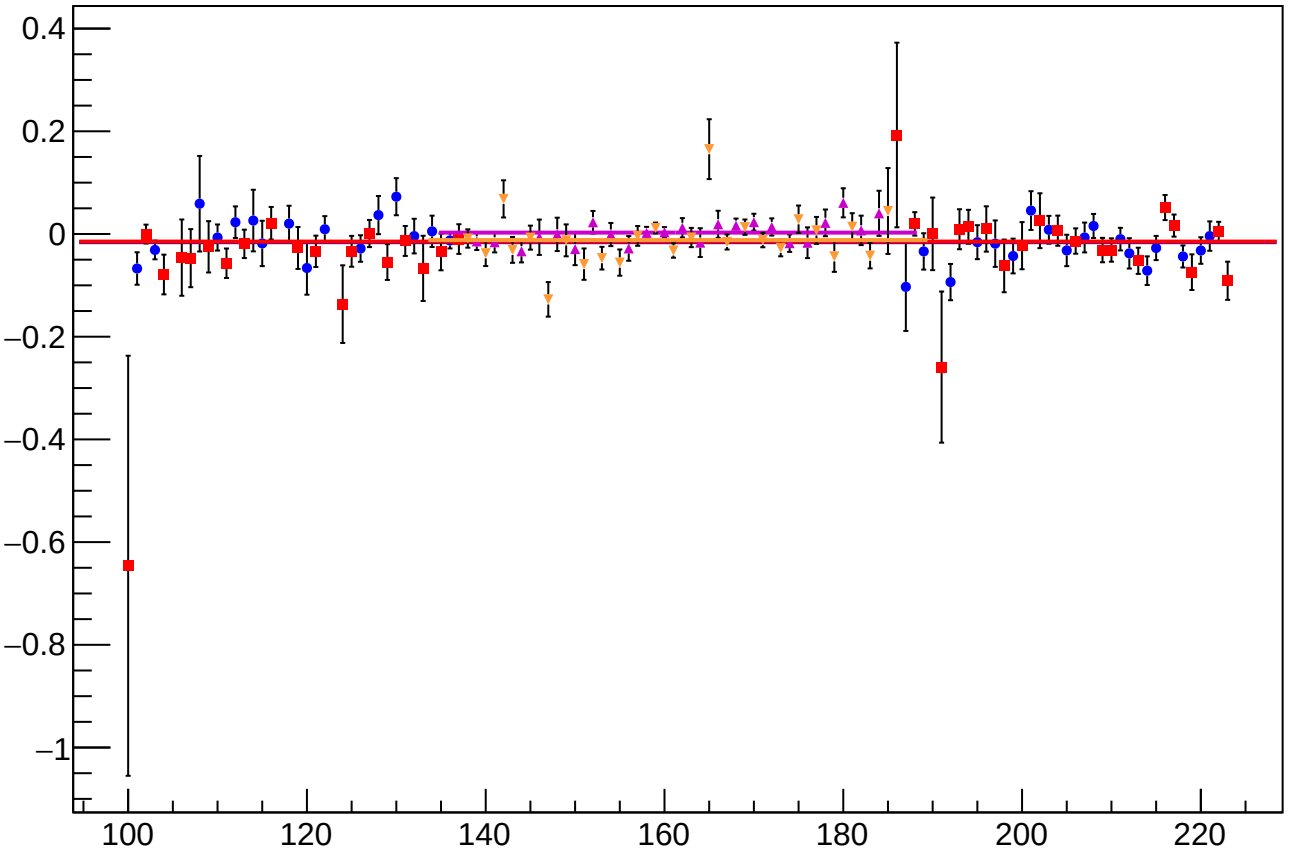
Right Out: 21.987+/-0.004 χ^2/NDF: 4436384.5/38

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.394+/-0.002 χ^2/NDF: 8313726.5/58

All: 18.296+/-0.002 χ^2/NDF: 18200475.5/120

- sign 18.196+/-0.002 χ^2/NDF: 9882810.5/61



Right In: -0.016+/-0.005 χ^2/NDF: 37.5/33

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

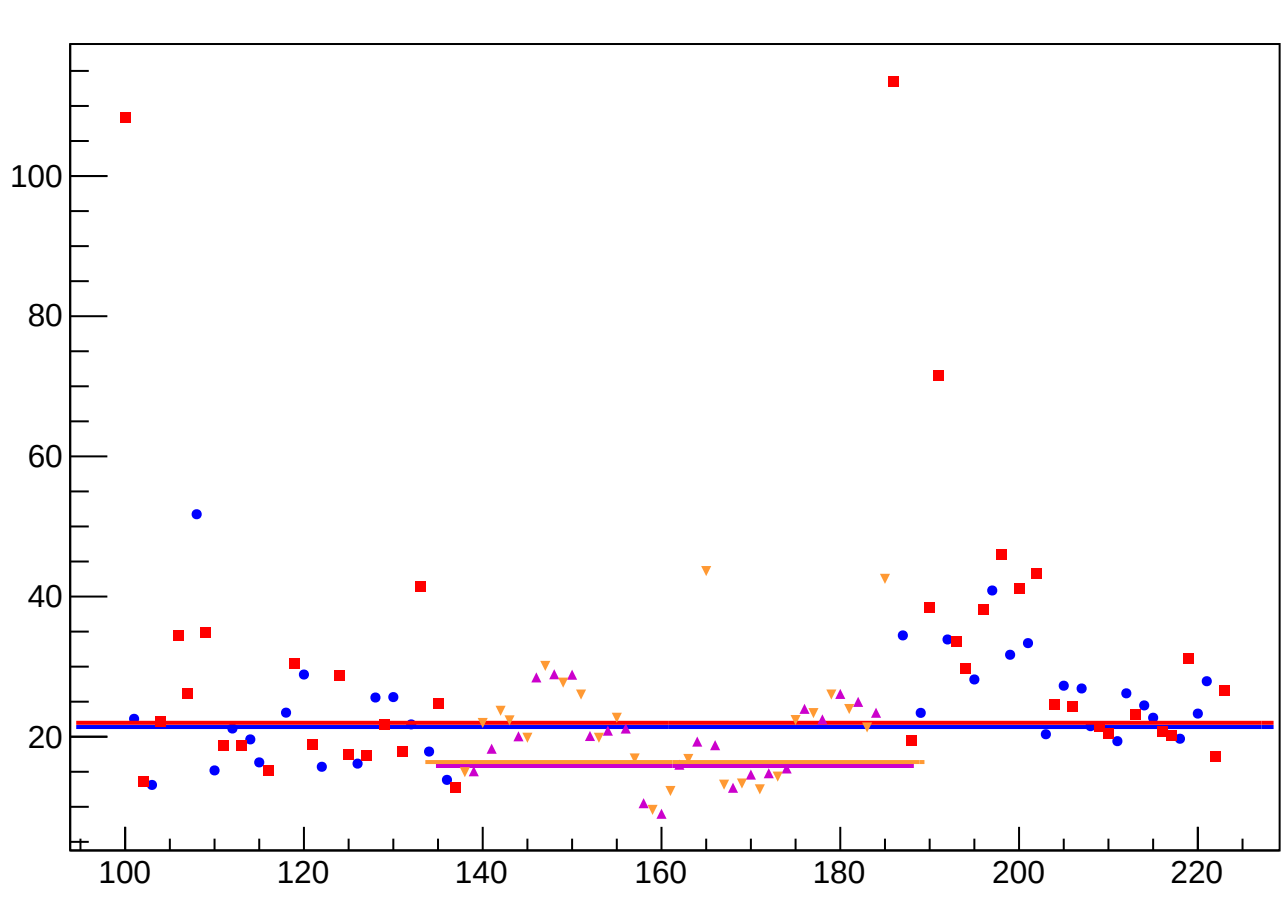
Right Out: -0.015+/-0.005 χ^2/NDF: 46.6/38

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 91.4/58

All: -0.009+/-0.002 χ^2/NDF: 169.4/120

- sign -0.004+/-0.003 χ^2/NDF: 73.5/61



Right In: 21.384+/-0.004 χ^2/NDF: 3070786.8/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

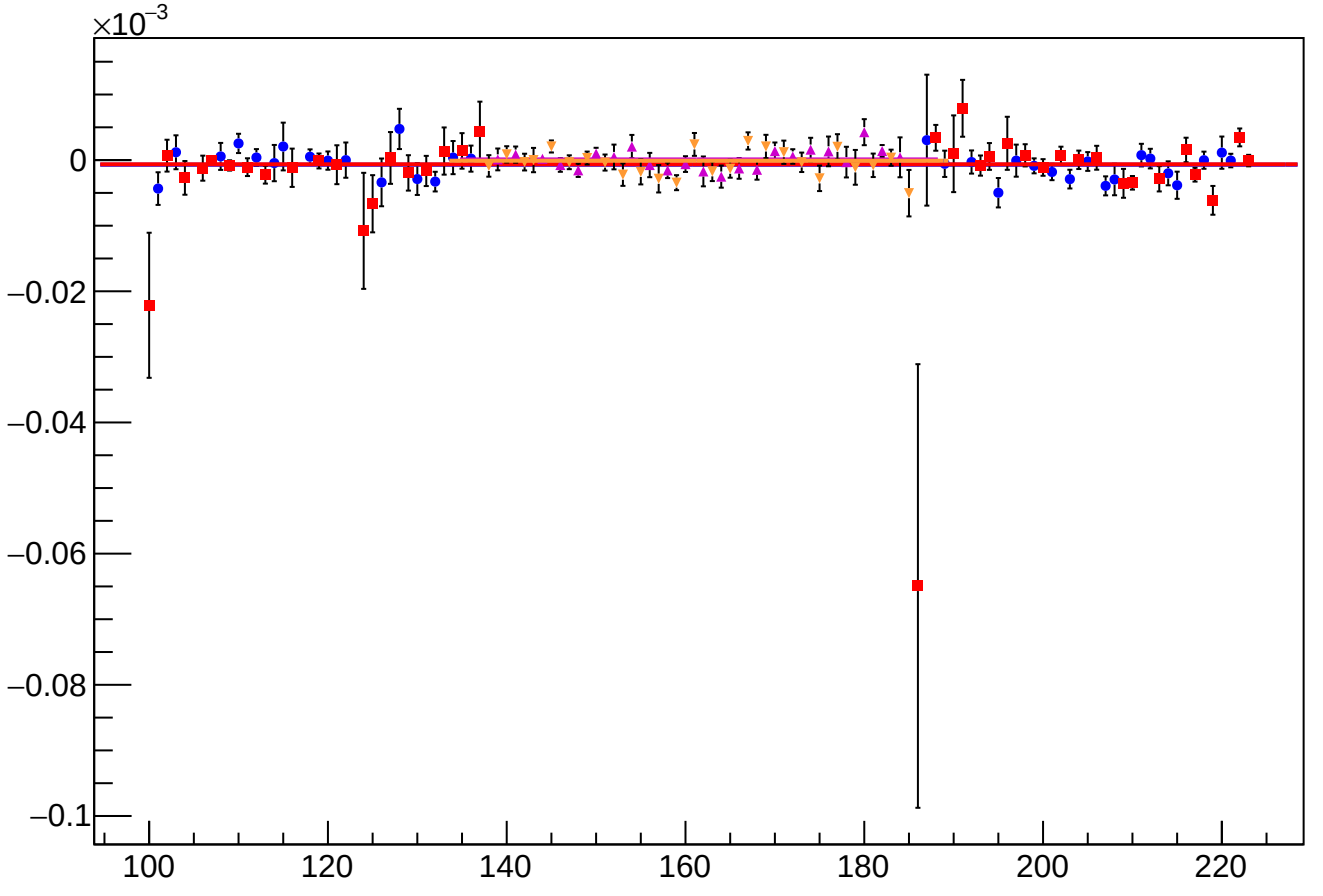
Right Out: 21.987+/-0.004 χ^2/NDF: 4436384.5/38

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 18.394+/-0.002 χ^2/NDF: 8313726.5/58

All: 18.296+/-0.002 χ^2/NDF: 18200475.5/120

\- sign 18.196+/-0.002 χ^2/NDF: 9882810.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 36.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

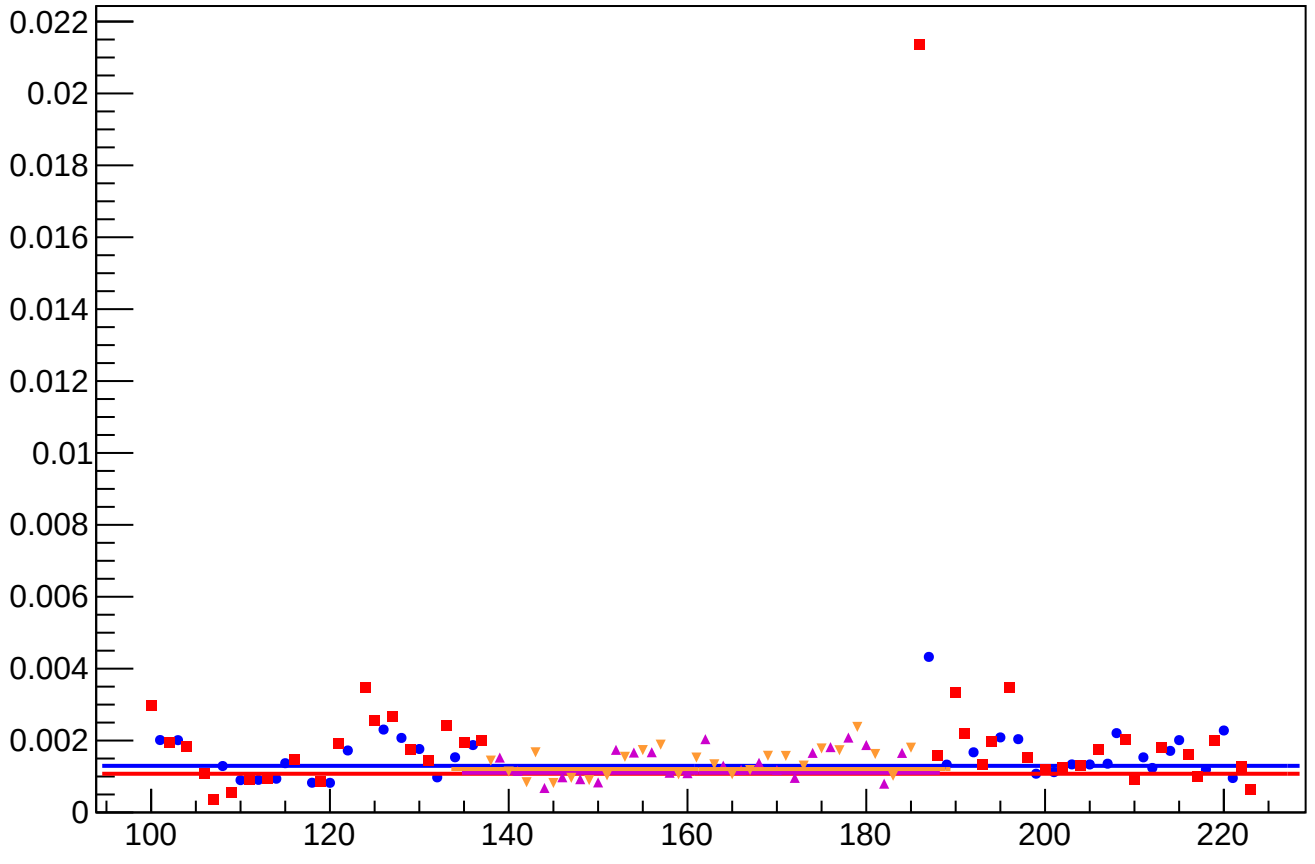
Right Out: -0.000+/-0.000 χ^2/NDF: 57.9/38

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.0/58

All: -0.000+/-0.000 χ^2/NDF: 158.9/120

- sign -0.000+/-0.000 χ^2/NDF: 83.7/61



Right In: 0.001+/-0.000 χ^2/NDF: 3993996.0/33

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

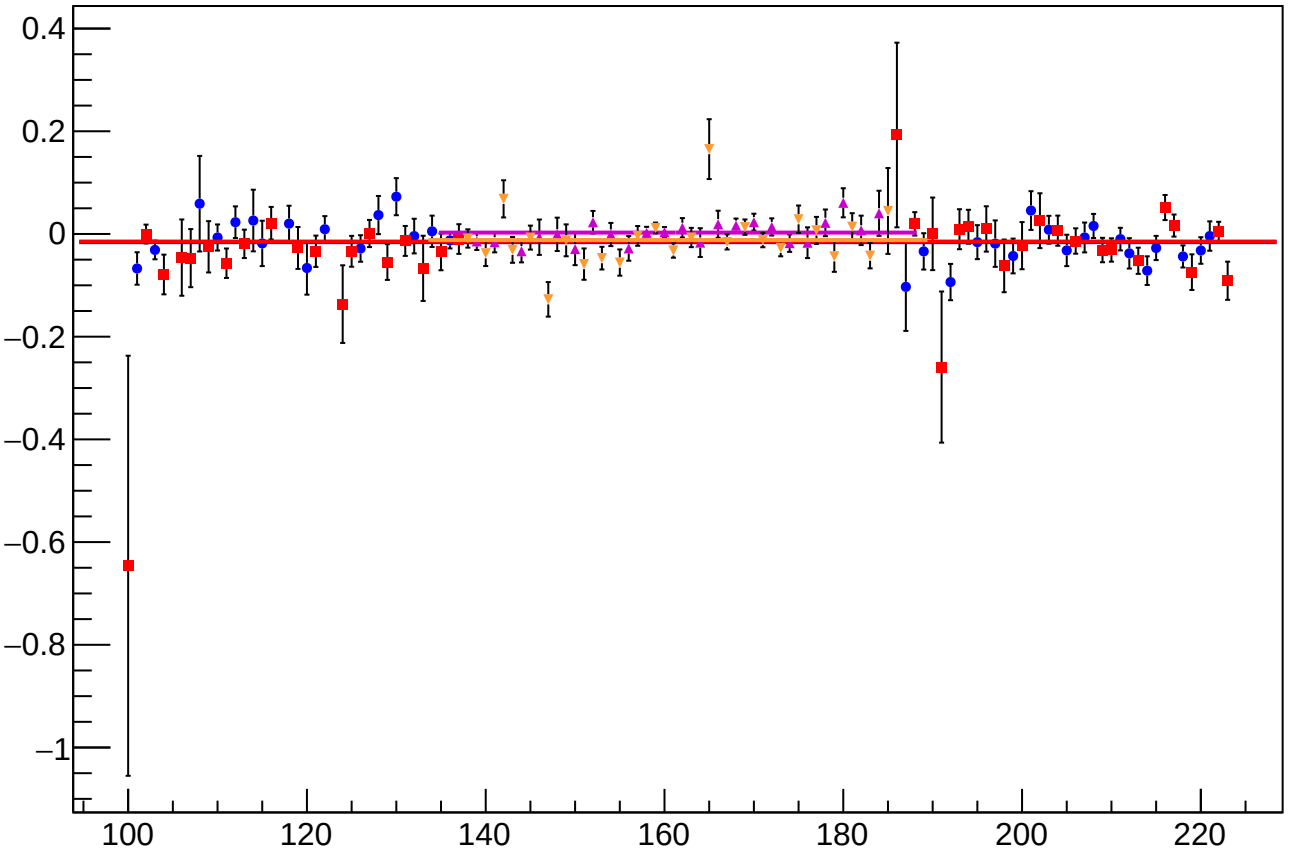
Right Out: 0.001+/-0.000 χ^2/NDF: 9749948.1/38

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 6807000.4/58

All: 0.001+/-0.000 χ^2/NDF: 20734108.9/120

- sign 0.001+/-0.000 χ^2/NDF: 13255856.2/61



Right In: -0.016+/-0.005 χ^2/NDF: 37.5/33

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

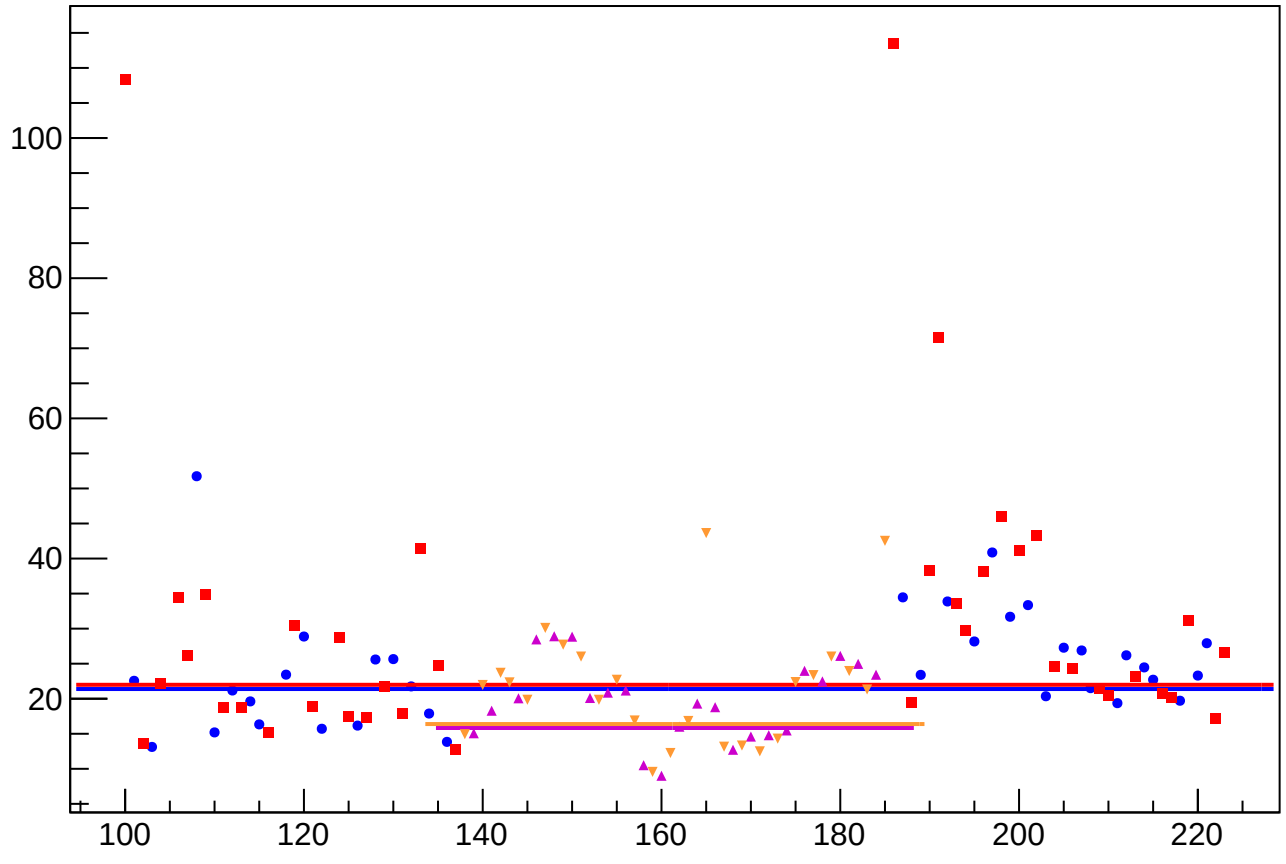
Right Out: -0.015+/-0.005 χ^2/NDF: 46.6/38

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 91.4/58

All: -0.009+/-0.002 χ^2/NDF: 169.4/120

- sign -0.004+/-0.003 χ^2/NDF: 73.5/61



Right In: 21.384+/-0.004 χ^2/NDF: 3070796.4/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

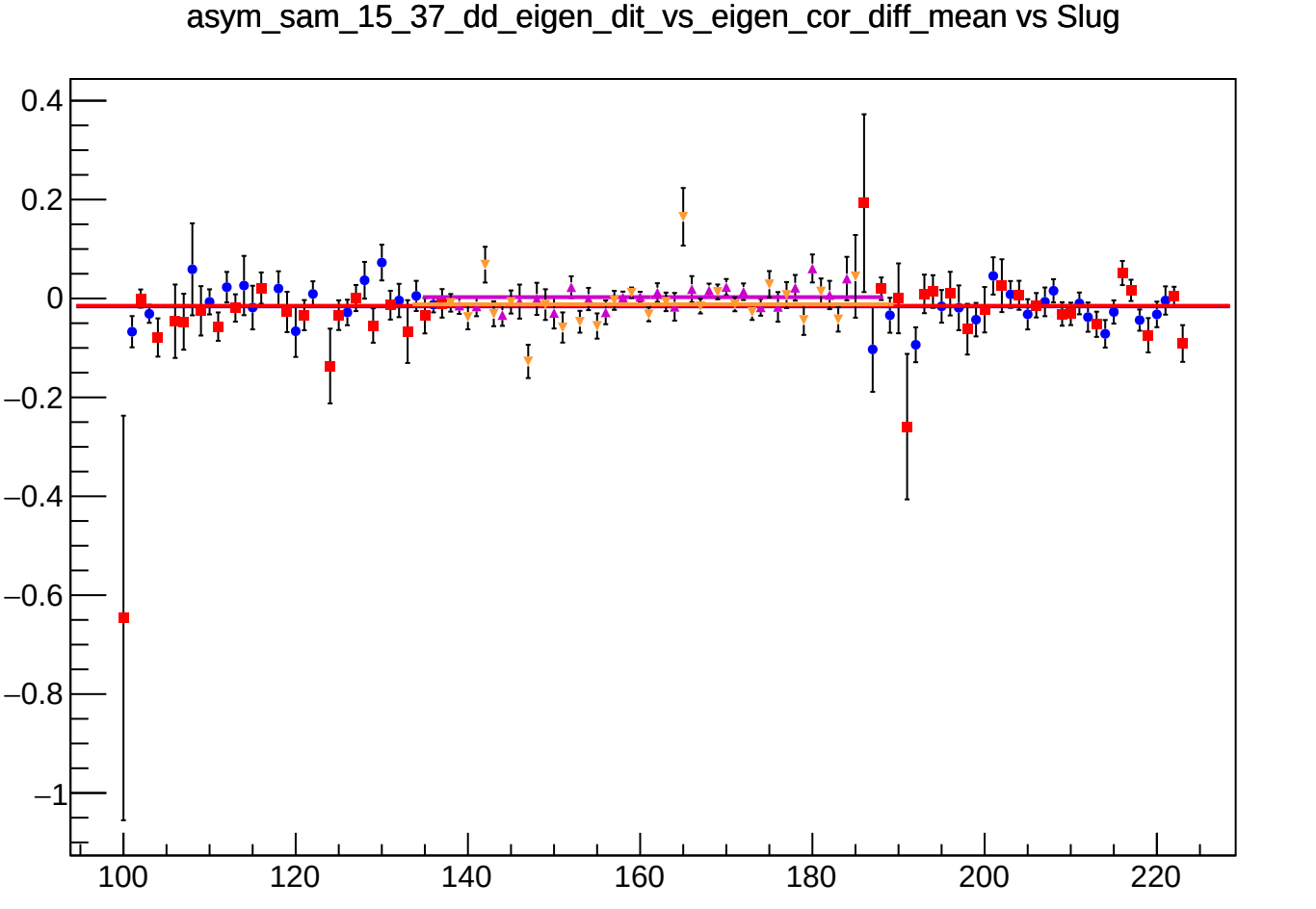
Right Out: 21.988+/-0.004 χ^2/NDF: 4436142.7/38

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.394+/-0.002 χ^2/NDF: 8314063.8/58

All: 18.296+/-0.002 χ^2/NDF: 18201223.3/120

- sign 18.196+/-0.002 χ^2/NDF: 9883222.7/61



Right In: -0.016+/-0.005 χ^2/NDF: 37.5/33

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

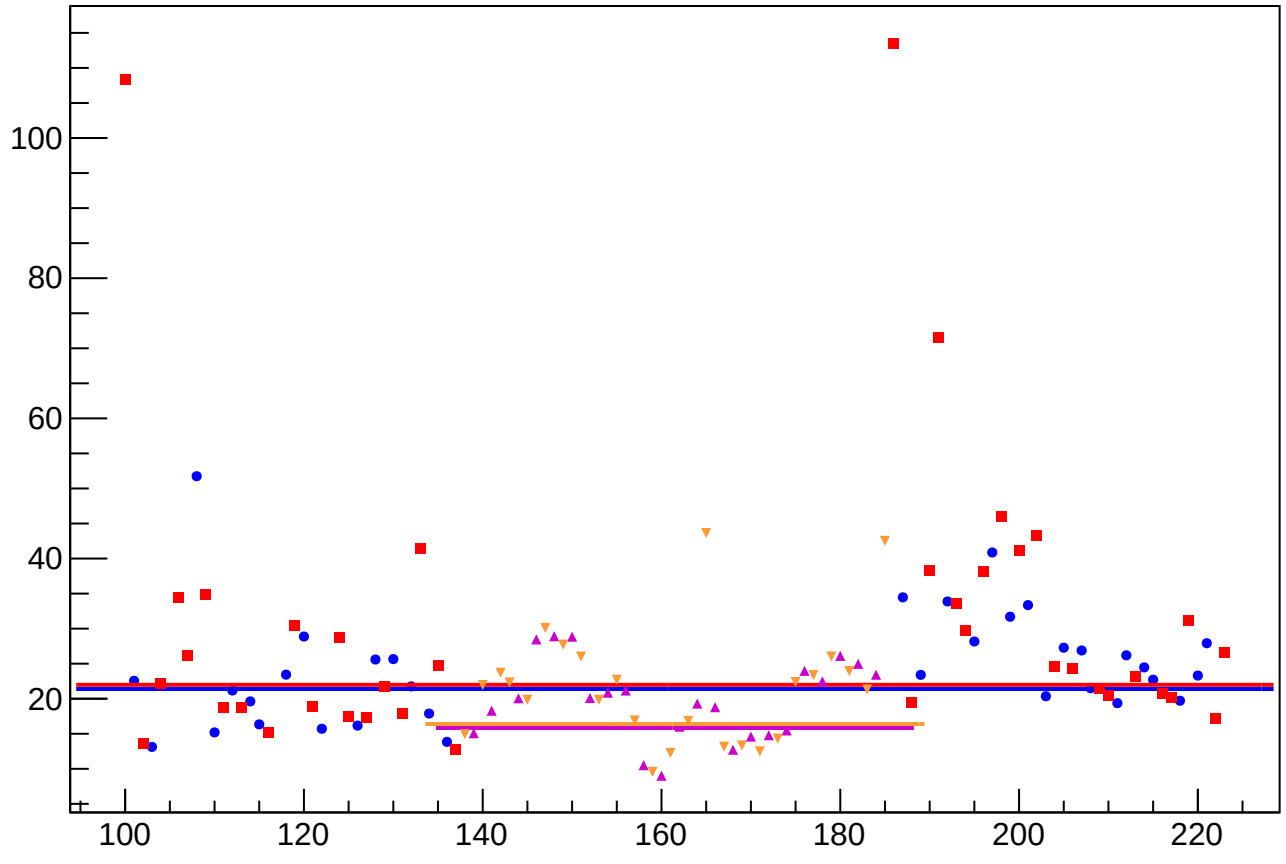
Right Out: -0.015+/-0.005 χ^2/NDF: 46.6/38

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 91.4/58

All: -0.009+/-0.002 χ^2/NDF: 169.4/120

- sign -0.004+/-0.003 χ^2/NDF: 73.5/61



Right In: 21.384+/-0.004 χ^2/NDF: 3070796.4/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

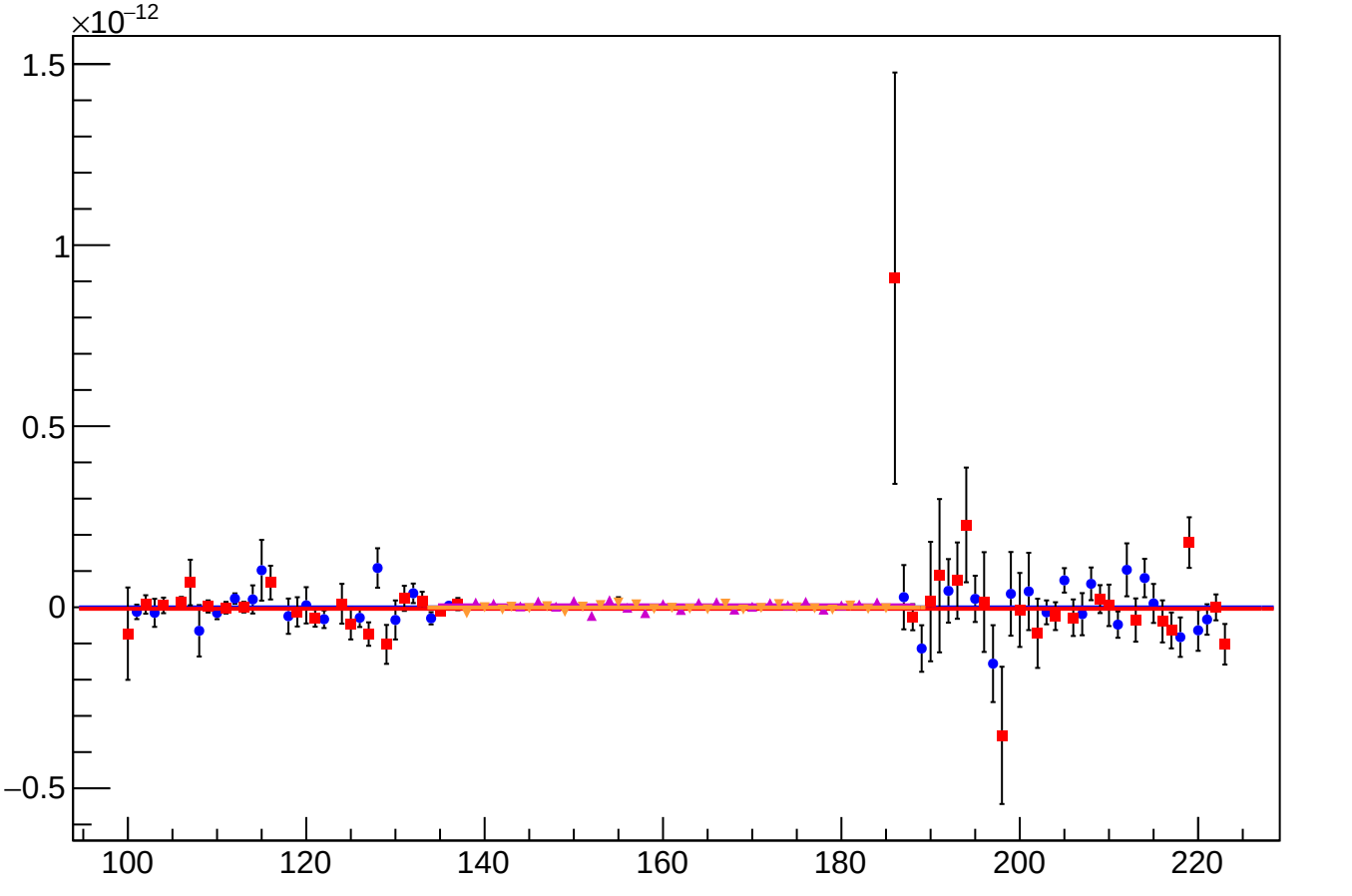
Right Out: 21.988+/-0.004 χ^2/NDF: 4436142.7/38

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.394+/-0.002 χ^2/NDF: 8314063.8/58

All: 18.296+/-0.002 χ^2/NDF: 18201223.3/120

- sign 18.196+/-0.002 χ^2/NDF: 9883222.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 43.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

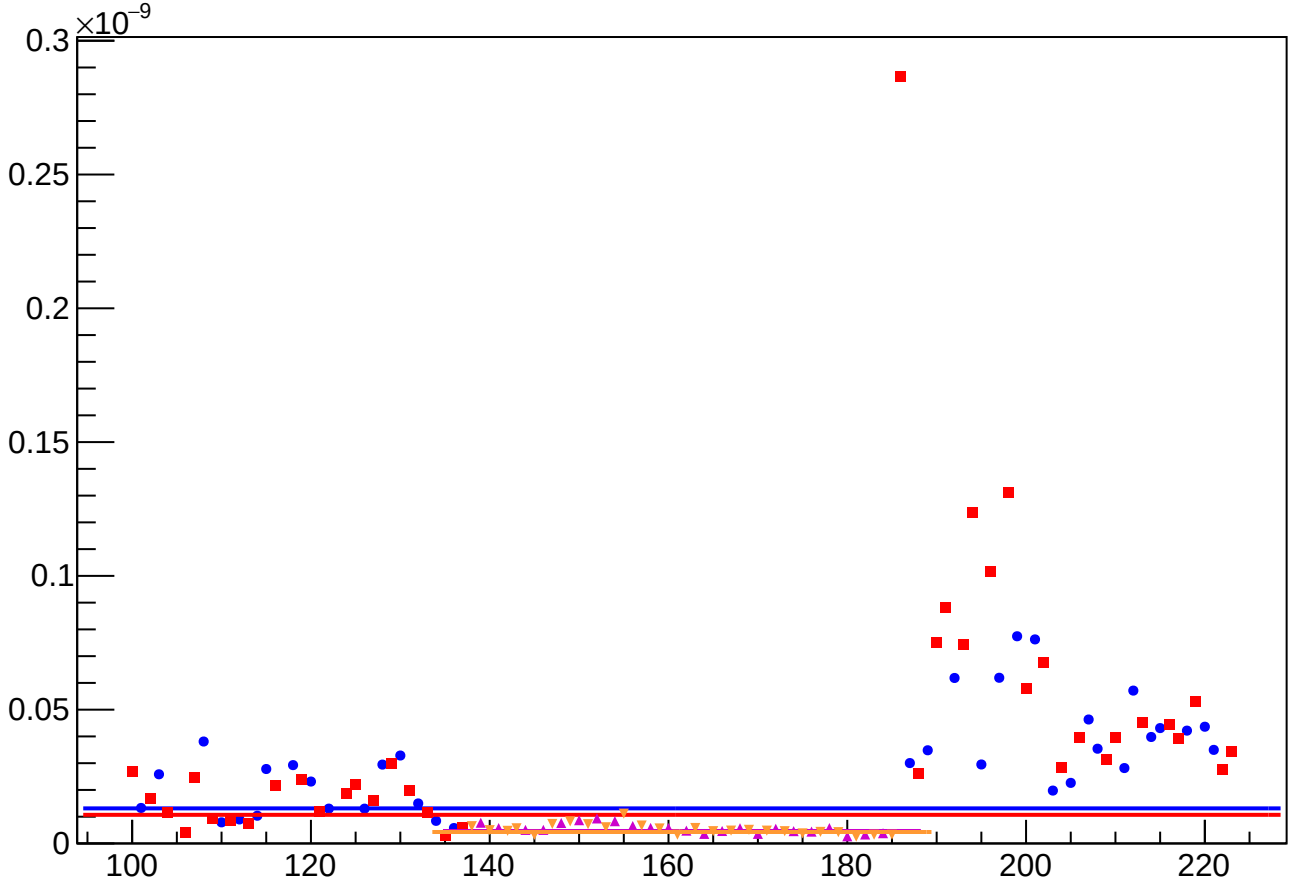
Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/38

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

+ sign -0.000+/-0.000 χ^2/NDF: 63.0/58

All: 0.000+/-0.000 χ^2/NDF: 155.3/120

- sign 0.000+/-0.000 χ^2/NDF: 84.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 11682422.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15710732.2/38

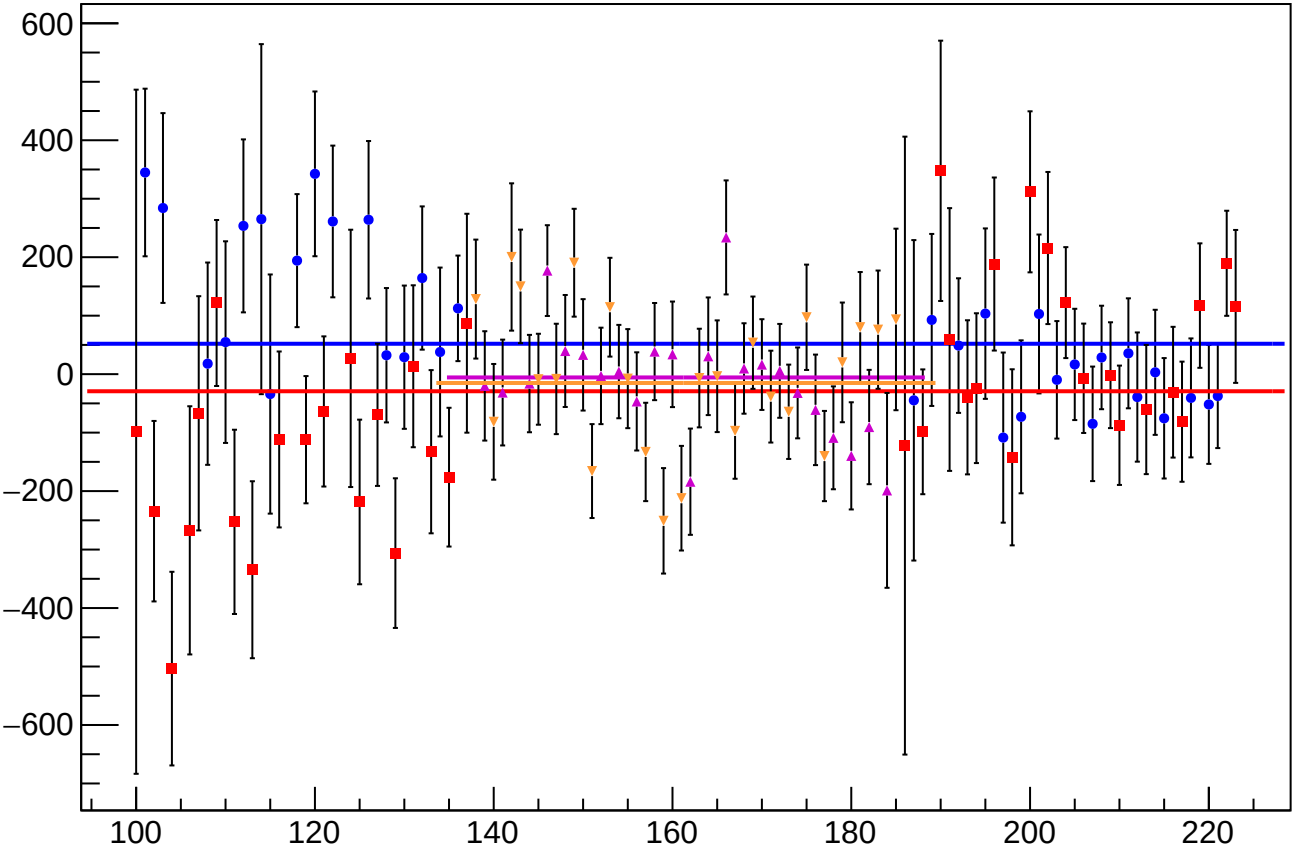
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20853452.3/58

All: 0.000+/-0.000 χ^2/NDF: 42799764.3/120

- sign 0.000+/-0.000 χ^2/NDF: 21870762.5/61

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 51.975+/-20.688 χ^2/NDF: 31.5/33

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -29.254+/-20.958 χ^2/NDF: 57.0/38

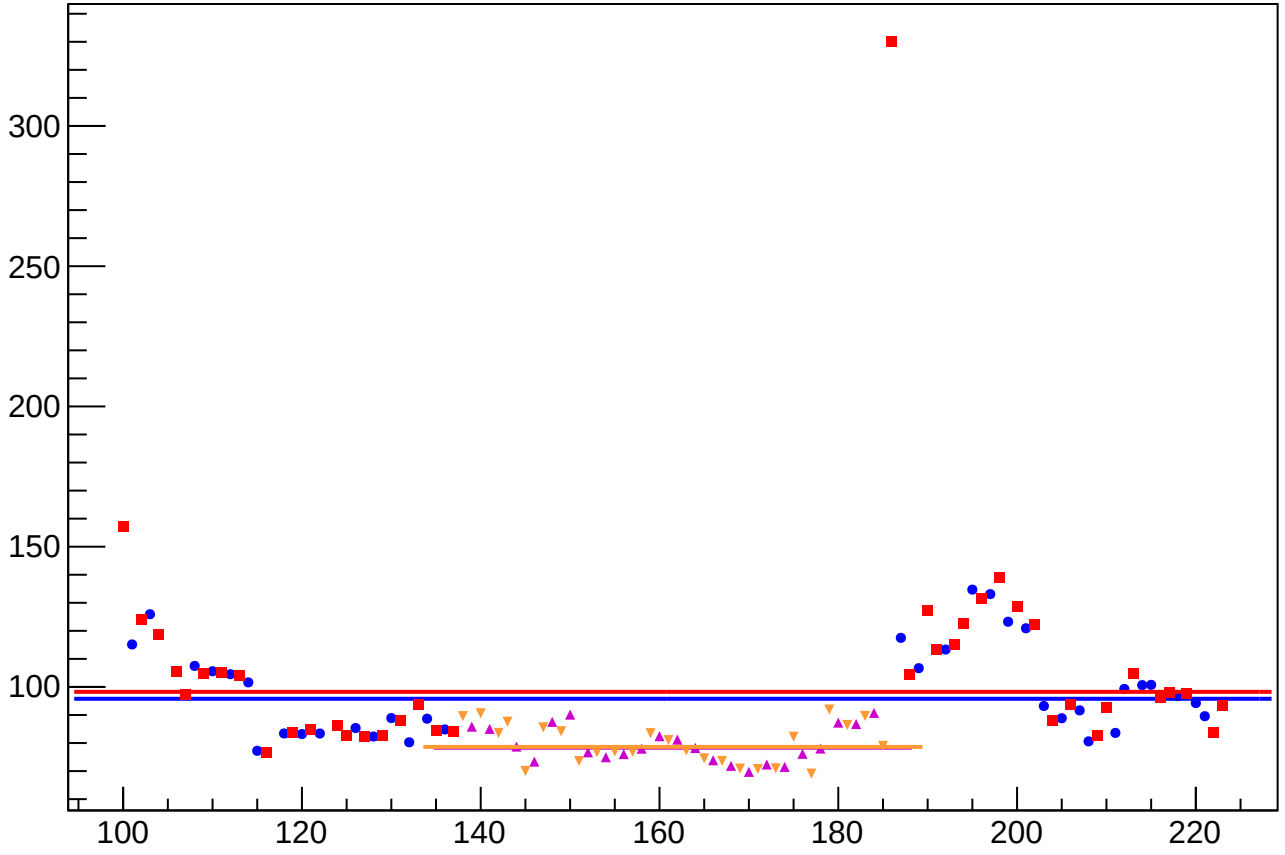
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 13.721+/-13.561 χ^2/NDF: 79.2/58

All: -0.811+/-9.679 χ^2/NDF: 162.2/120

- sign -15.901+/-13.819 χ^2/NDF: 80.7/61

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 95.778+/-0.015 χ^2/NDF: 945210.5/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

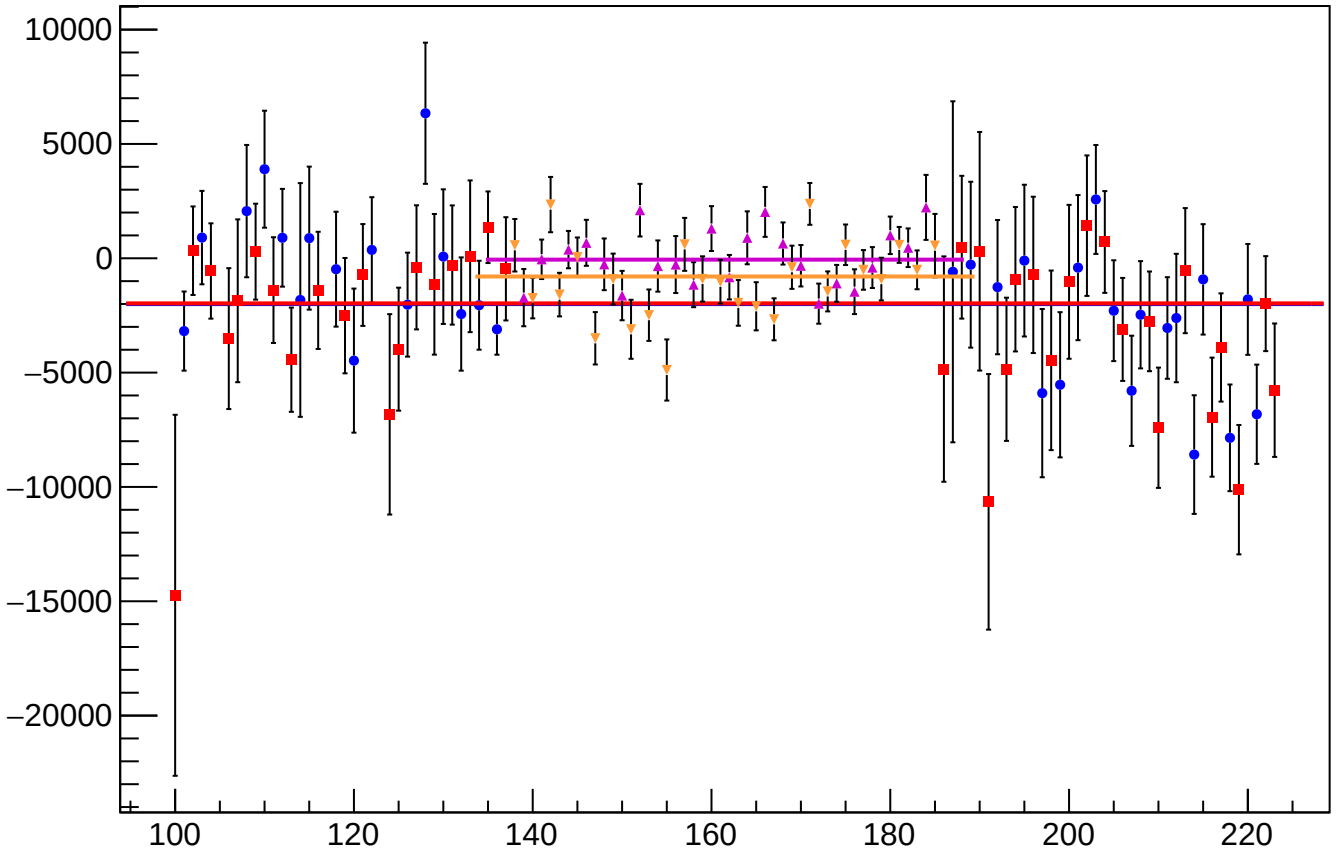
Right Out: 98.252+/-0.015 χ^2/NDF: 1472264.1/38

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.991+/-0.010 χ^2/NDF: 2037173.7/58

All: 86.484+/-0.007 χ^2/NDF: 4744982.6/120

- sign 86.995+/-0.010 χ^2/NDF: 2702438.8/61



Right In: -2003.508+/-414.230 χ^2/NDF: 51.0/33

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

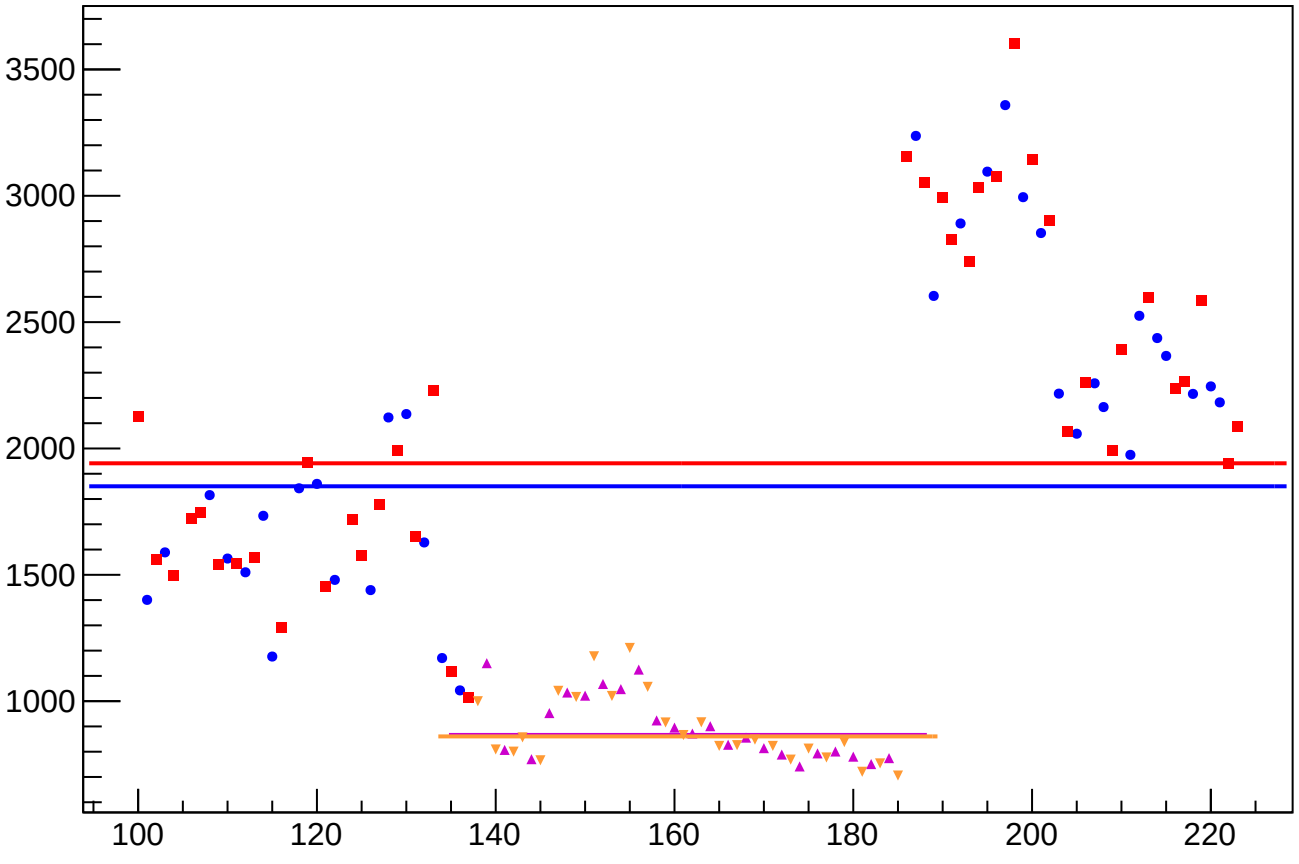
Right Out: -1972.713+/-424.996 χ^2/NDF: 42.6/38

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -1021.180+/-178.556 χ^2/NDF: 117.3/58

All: -729.511+/-128.217 χ^2/NDF: 212.3/120

- sign -419.008+/-184.230 χ^2/NDF: 89.5/61



Right In: 1850.357+/-0.293 χ^2/NDF: 3912012.8/33

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1941.346+/-0.301 χ^2/NDF: 3876113.6/38

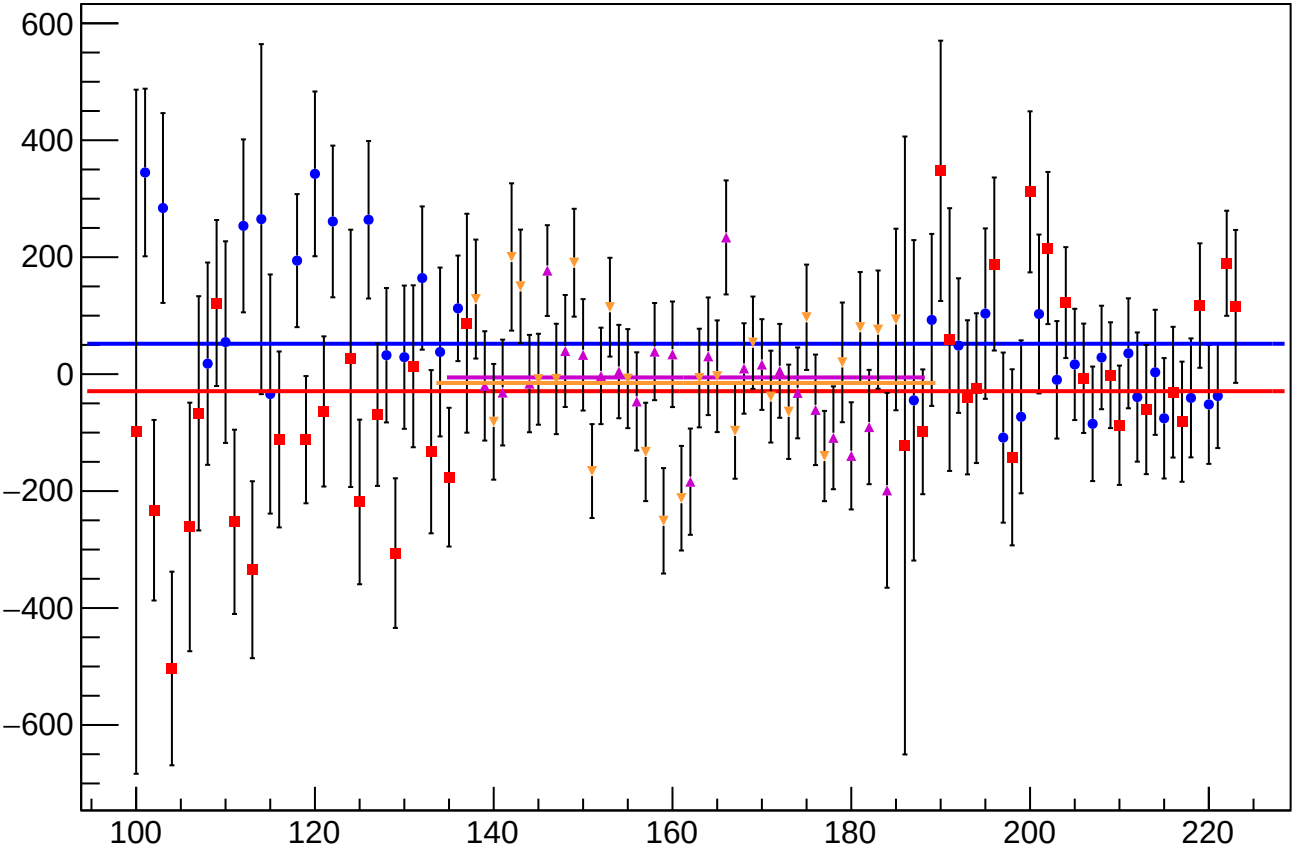
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 1044.417+/-0.126 χ^2/NDF: 13910047.0/58

All: 1056.012+/-0.091 χ^2/NDF: 28808272.1/1

- sign 1068.354+/-0.130 χ^2/NDF: 14880815.2/61

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 51.969+/-20.688 χ^2/NDF: 31.5/33

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -29.153+/-20.958 χ^2/NDF: 56.9/38

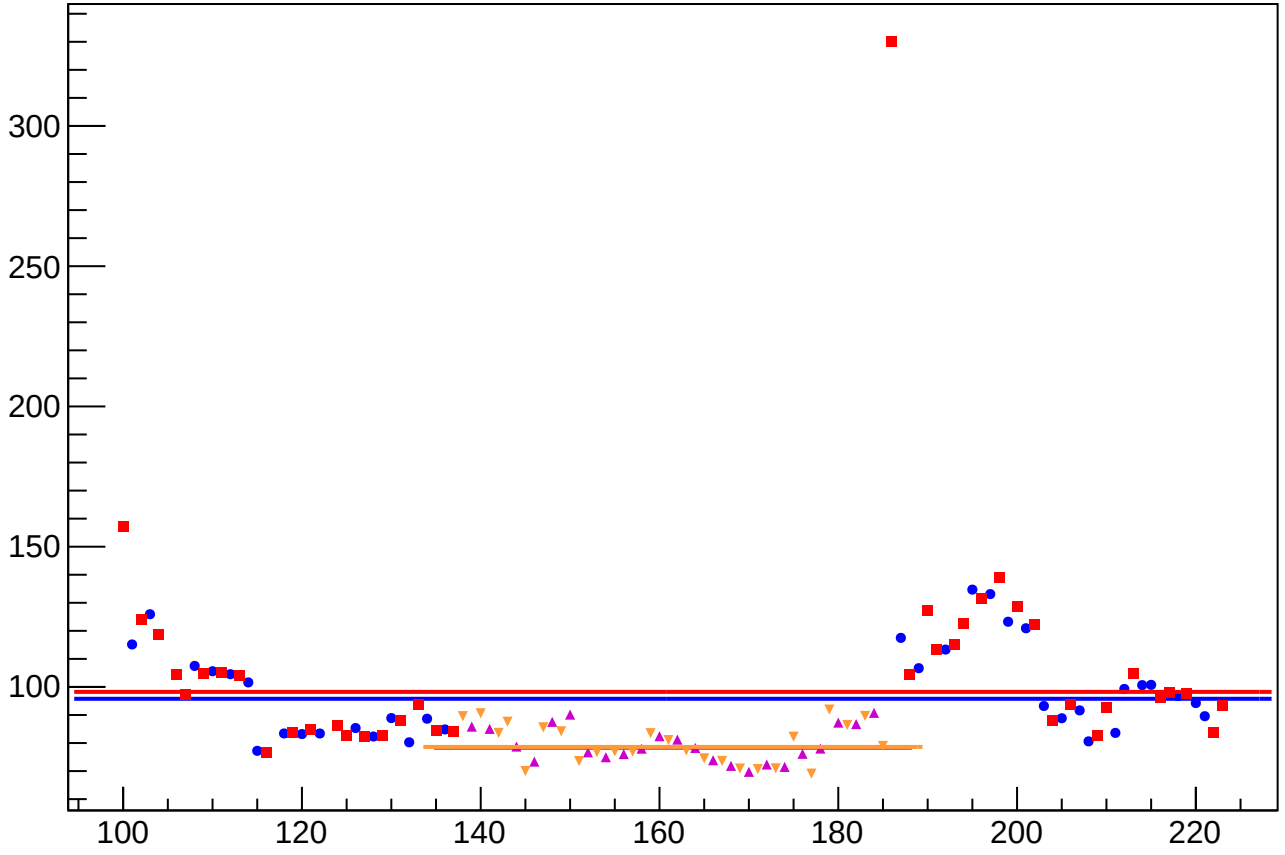
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 13.720+/-13.561 χ^2/NDF: 79.2/58

All: -0.789+/-9.679 χ^2/NDF: 162.1/120

- sign -15.855+/-13.819 χ^2/NDF: 80.6/61

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.778+/-0.015 χ^2/NDF: 945212.1/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 98.240+/-0.015 χ^2/NDF: 1471683.4/38

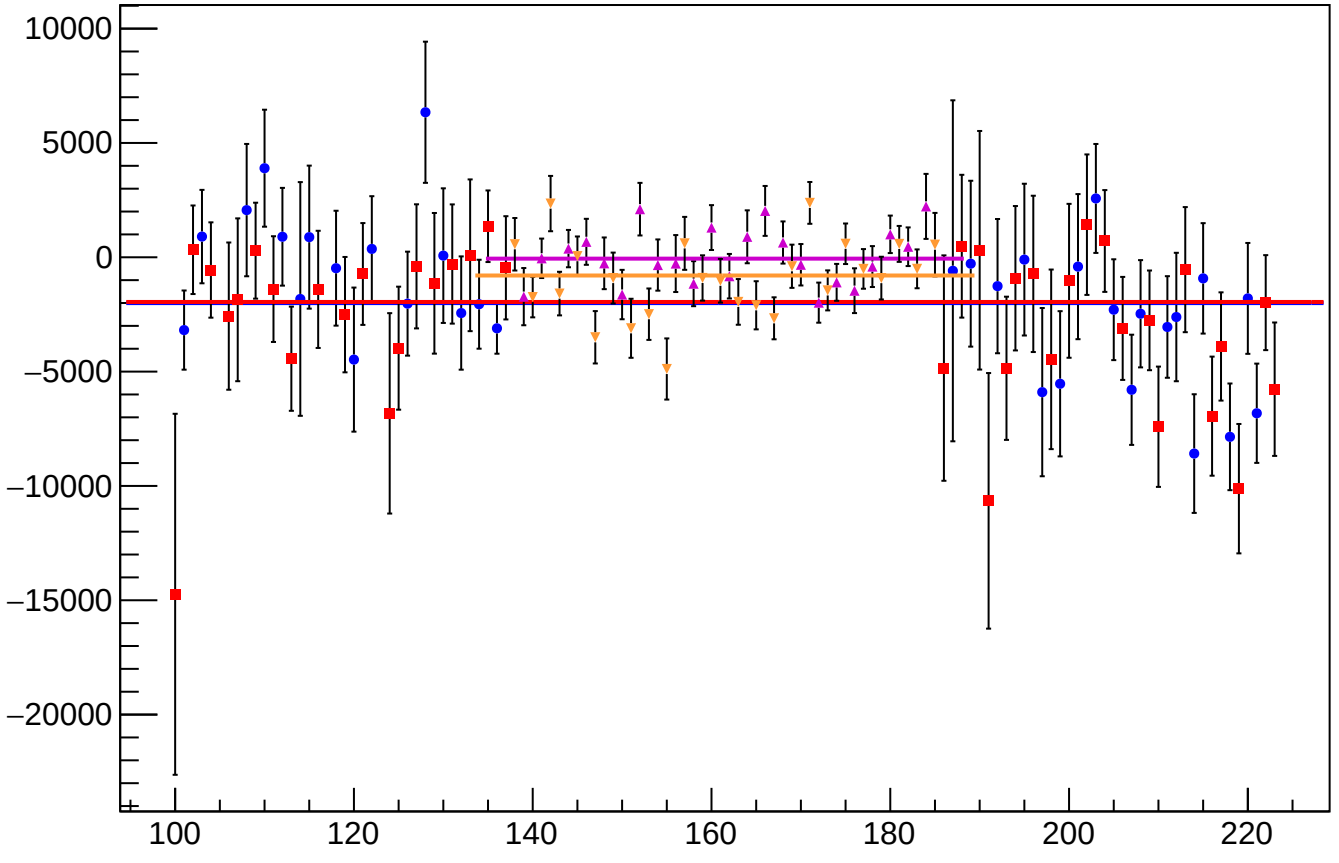
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.991+/-0.010 χ^2/NDF: 2037175.6/58

All: 86.481+/-0.007 χ^2/NDF: 4743075.5/120

- sign 86.989+/-0.010 χ^2/NDF: 2700588.6/61

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -2003.499+/-414.230 χ^2/NDF: 51.0/33

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

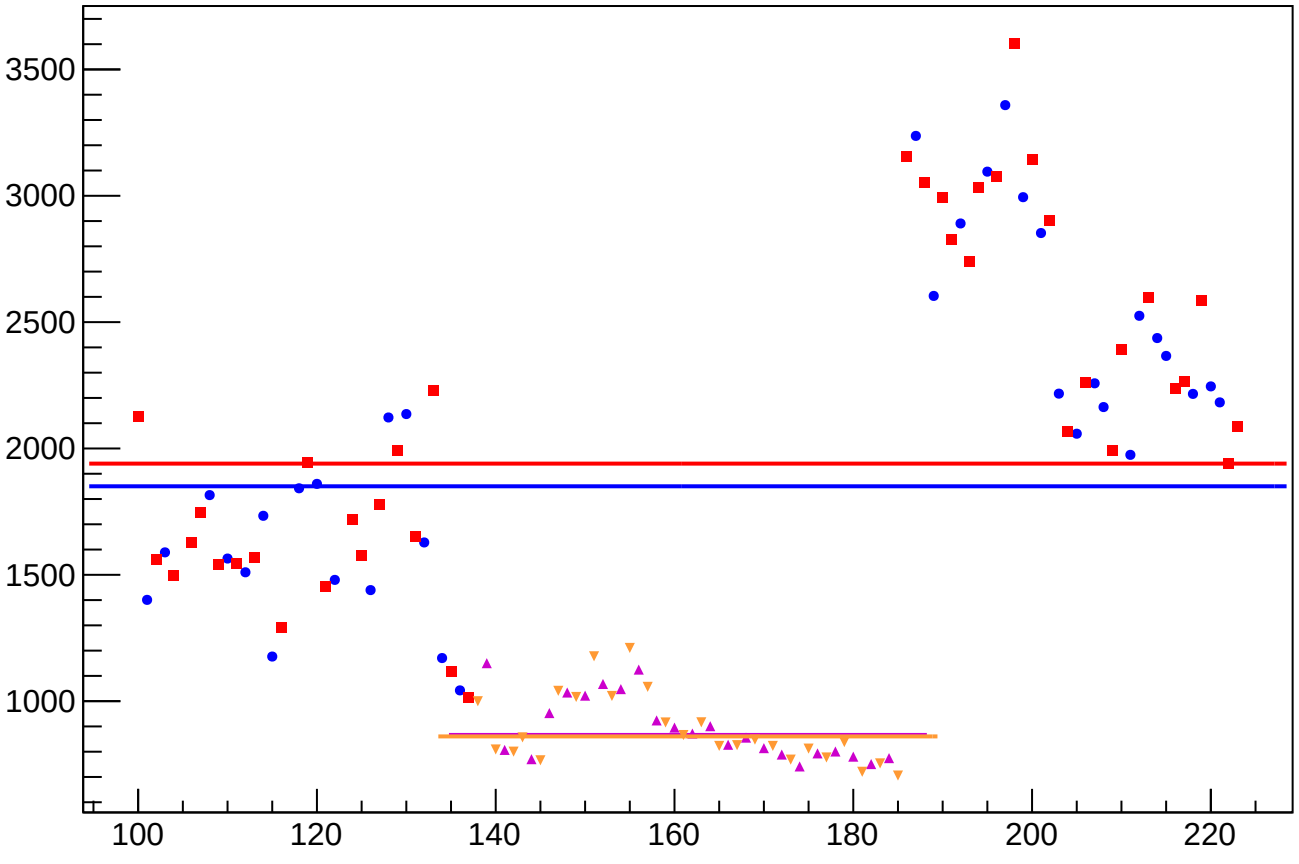
Right Out: -1954.093+/-425.345 χ^2/NDF: 42.3/38

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -1021.177+/-178.556 χ^2/NDF: 117.3/58

All: -727.631+/-128.227 χ^2/NDF: 211.8/120

- sign -415.035+/-184.259 χ^2/NDF: 88.9/61



Right In: 1850.360+/-0.293 χ^2/NDF: 3911996.1/33

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1940.102+/-0.301 χ^2/NDF: 3884568.1/38

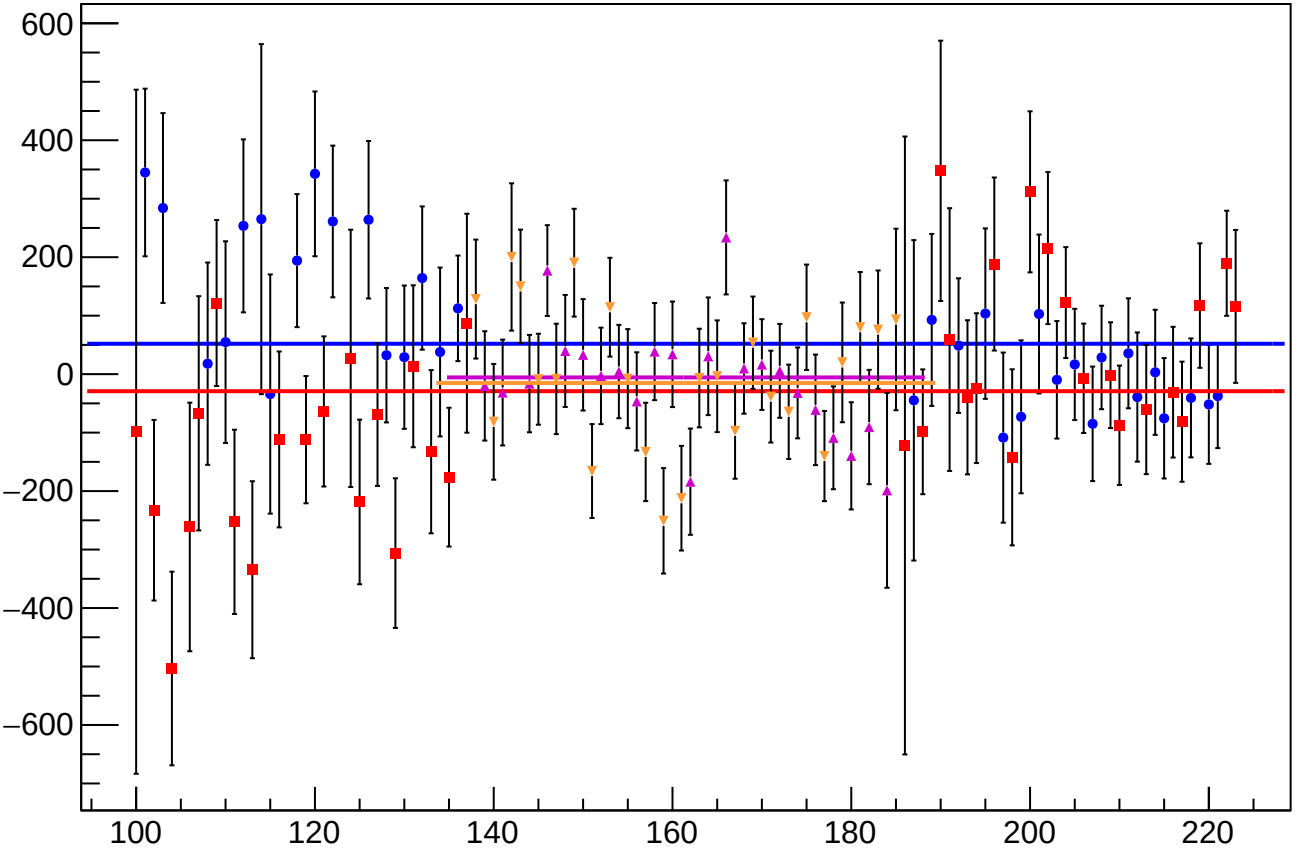
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1044.417+/-0.126 χ^2/NDF: 13910067.0/58

All: 1055.767+/-0.091 χ^2/NDF: 28778166.9/1

- sign 1067.852+/-0.130 χ^2/NDF: 14851415.7/61

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 51.969+/-20.688 χ^2/NDF: 31.5/33

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -29.153+/-20.958 χ^2/NDF: 56.9/38

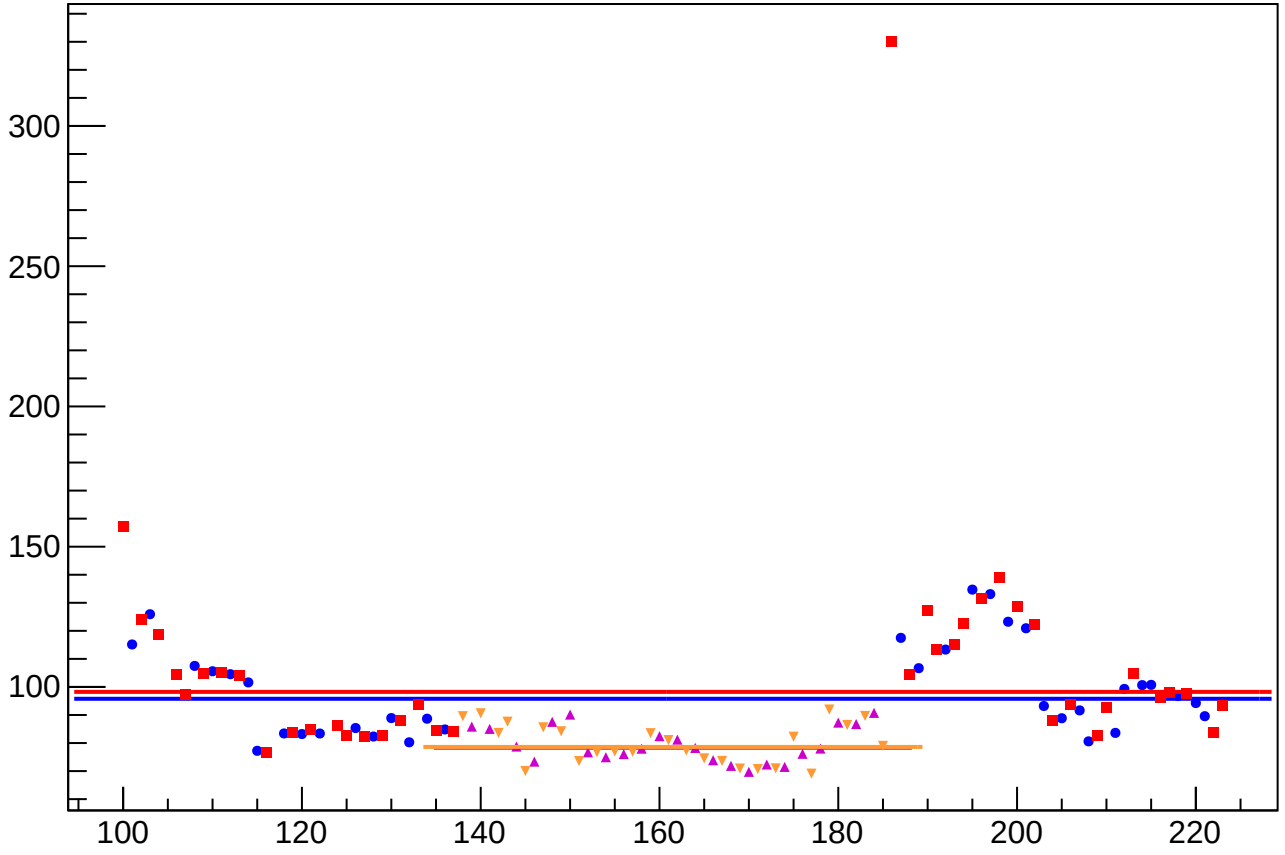
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 13.720+/-13.561 χ^2/NDF: 79.2/58

All: -0.789+/-9.679 χ^2/NDF: 162.1/120

- sign -15.855+/-13.819 χ^2/NDF: 80.6/61

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.778+/-0.015 χ^2/NDF: 945212.1/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

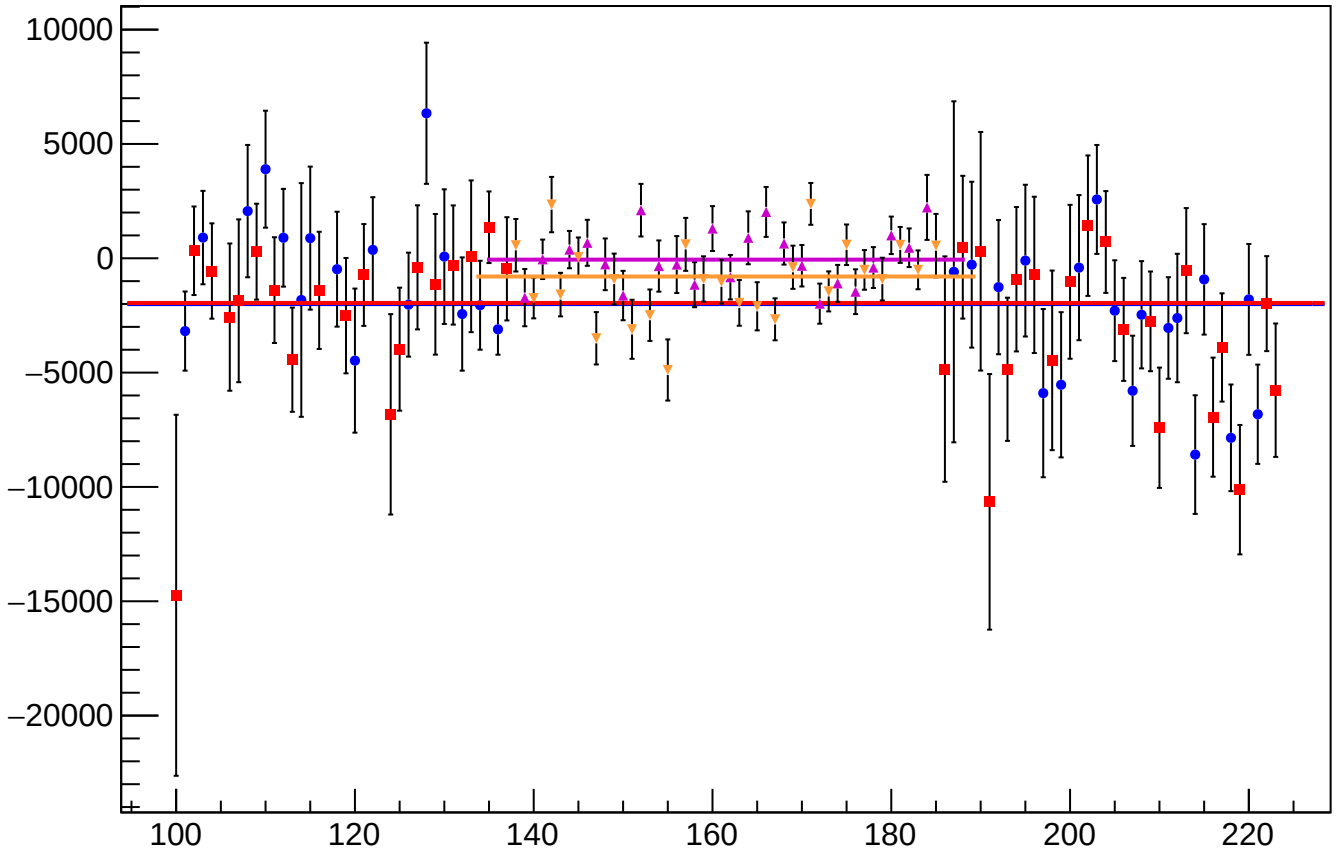
Right Out: 98.240+/-0.015 χ^2/NDF: 1471683.4/38

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.991+/-0.010 χ^2/NDF: 2037175.6/58

All: 86.481+/-0.007 χ^2/NDF: 4743075.5/120

- sign 86.989+/-0.010 χ^2/NDF: 2700588.6/61



Right In: -2003.499+/-414.230 χ^2/NDF: 51.0/33

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

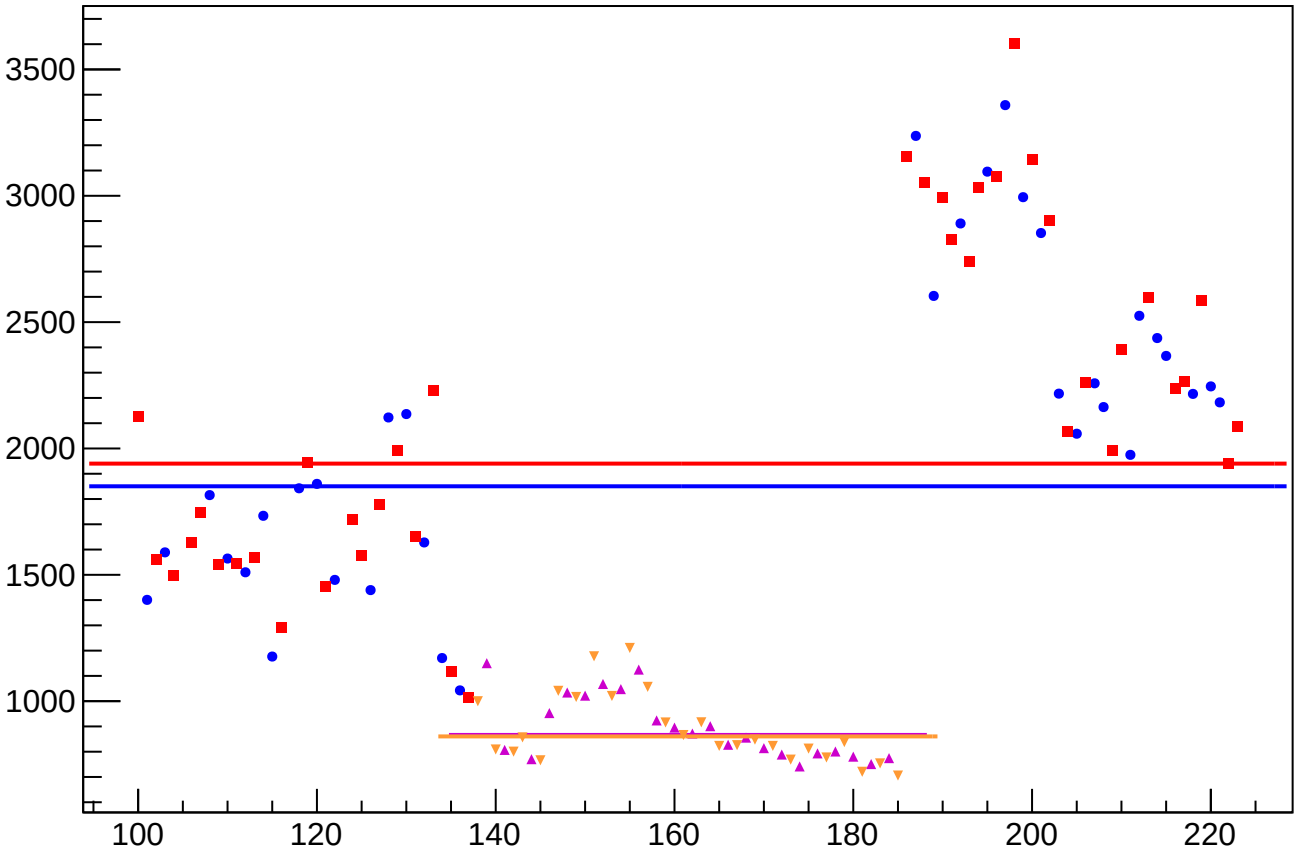
Right Out: -1954.093+/-425.345 χ^2/NDF: 42.3/38

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -1021.177+/-178.556 χ^2/NDF: 117.3/58

All: -727.631+/-128.227 χ^2/NDF: 211.8/120

- sign -415.035+/-184.259 χ^2/NDF: 88.9/61



Right In: 1850.360+/-0.293 χ^2/NDF: 3911996.1/33

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1940.102+/-0.301 χ^2/NDF: 3884568.1/38

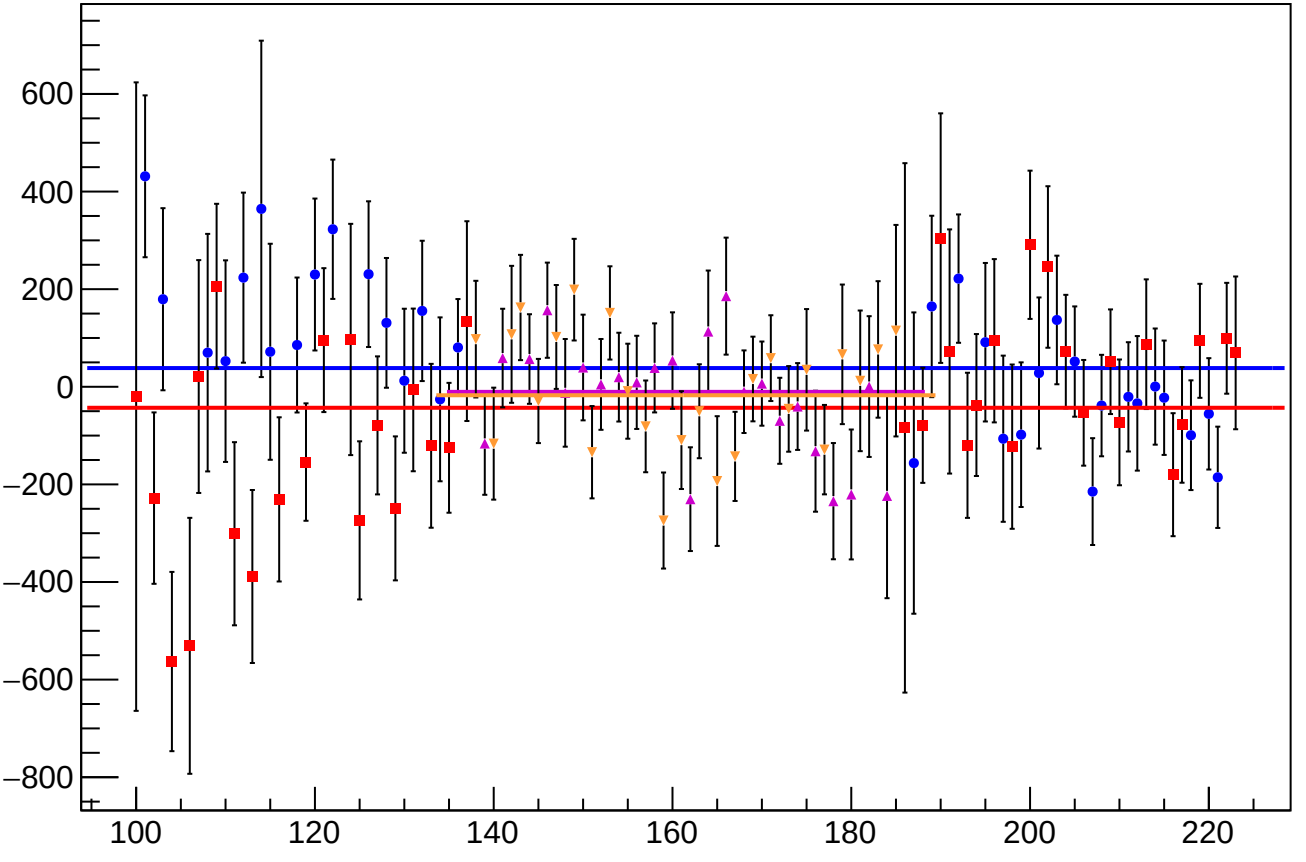
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1044.417+/-0.126 χ^2/NDF: 13910067.0/58

All: 1055.767+/-0.091 χ^2/NDF: 28778166.9/1

- sign 1067.852+/-0.130 χ^2/NDF: 14851415.7/61

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 38.361+/-23.999 χ^2/NDF: 35.7/33

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

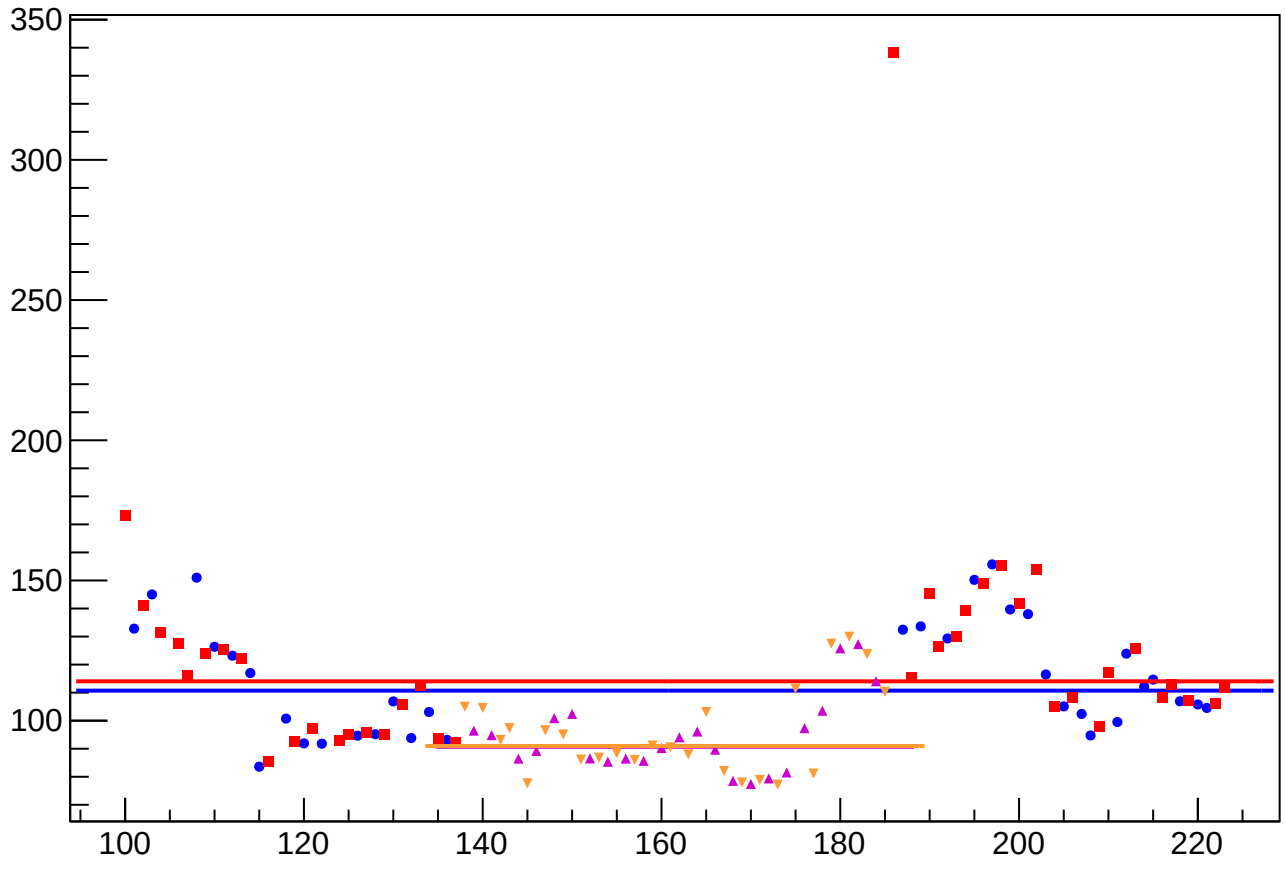
Right Out: -43.008+/-24.361 χ^2/NDF: 48.0/38

Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 6.788+/-15.798 χ^2/NDF: 70.0/58

All: -8.631+/-11.283 χ^2/NDF: 143.6/120

- sign -24.687+/-16.121 χ^2/NDF: 71.7/61



Right In: 110.713+/-0.017 χ^2/NDF: 1030002.0/33

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

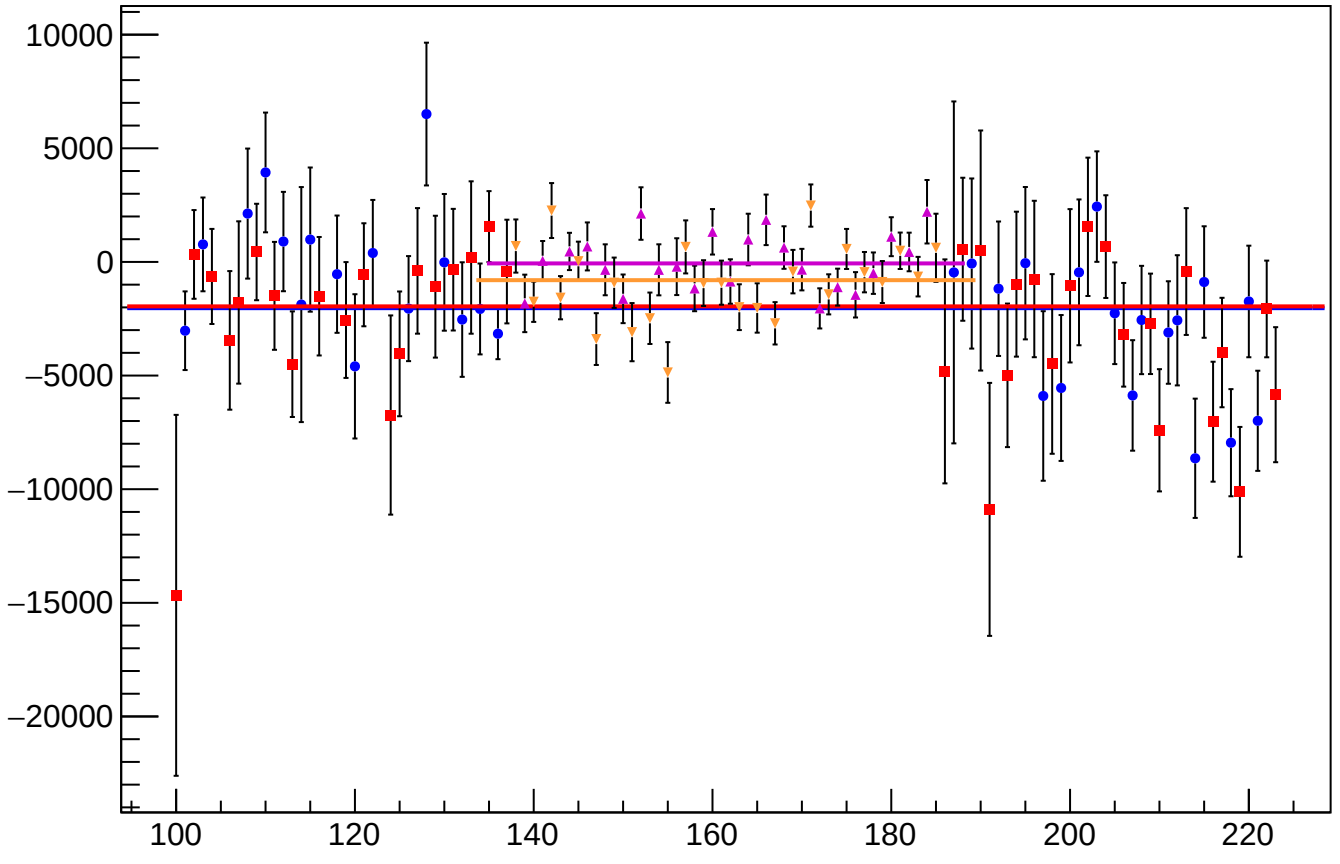
Right Out: 114.029+/-0.017 χ^2/NDF: 1388634.3/38

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 99.524+/-0.011 χ^2/NDF: 2581757.9/58

All: 100.203+/-0.008 χ^2/NDF: 5555713.8/120

- sign 100.911+/-0.011 χ^2/NDF: 2966399.2/61



Right In: -2034.176+/-419.942 χ^2/NDF: 50.5/33

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1955.634+/-429.961 χ^2/NDF: 43.2/38

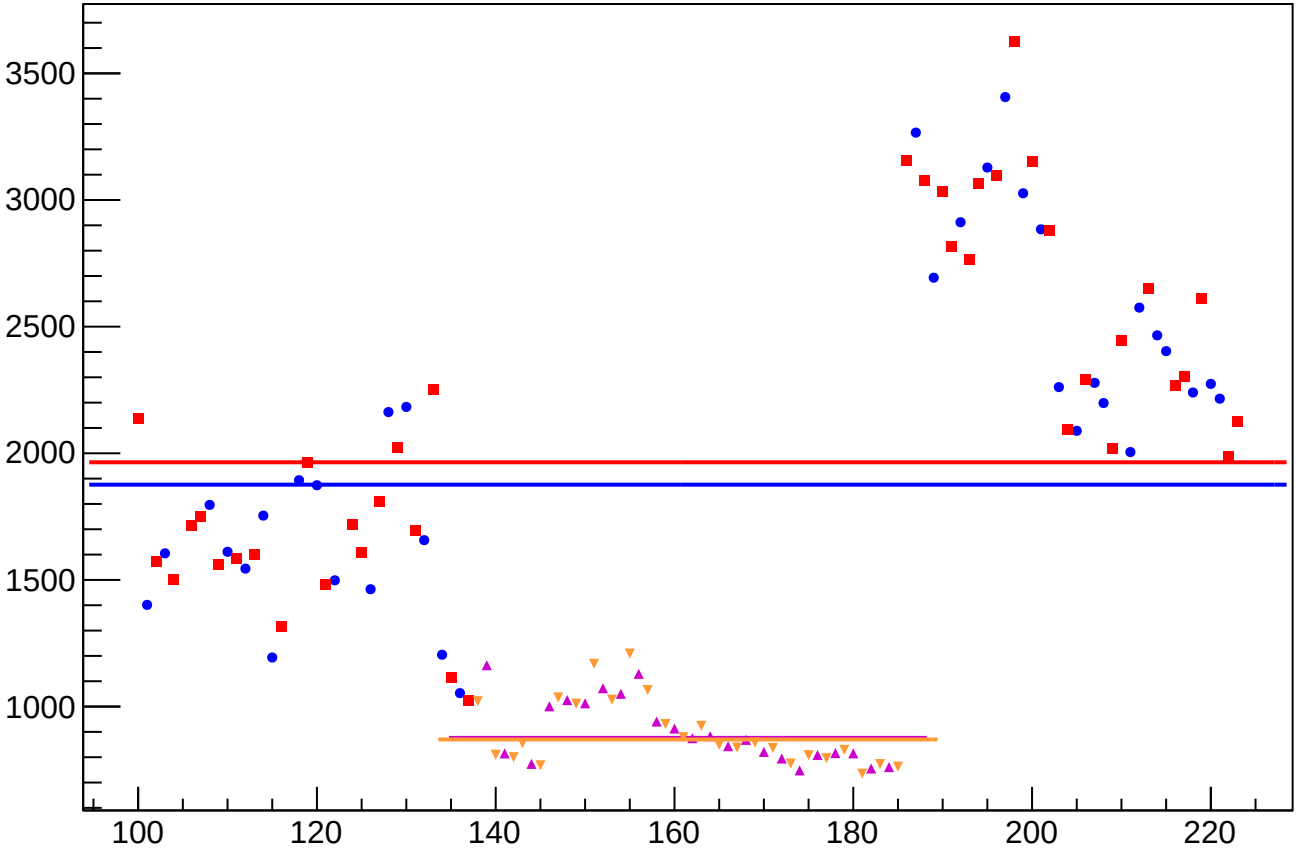
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -1029.967+/-180.458 χ^2/NDF: 115.8/58

All: -734.673+/-129.610 χ^2/NDF: 210.9/120

- sign -420.036+/-186.274 χ^2/NDF: 89.6/61

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1876.110+/-0.297 χ^2/NDF: 3923530.1/33

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1964.463+/-0.304 χ^2/NDF: 3868137.6/38

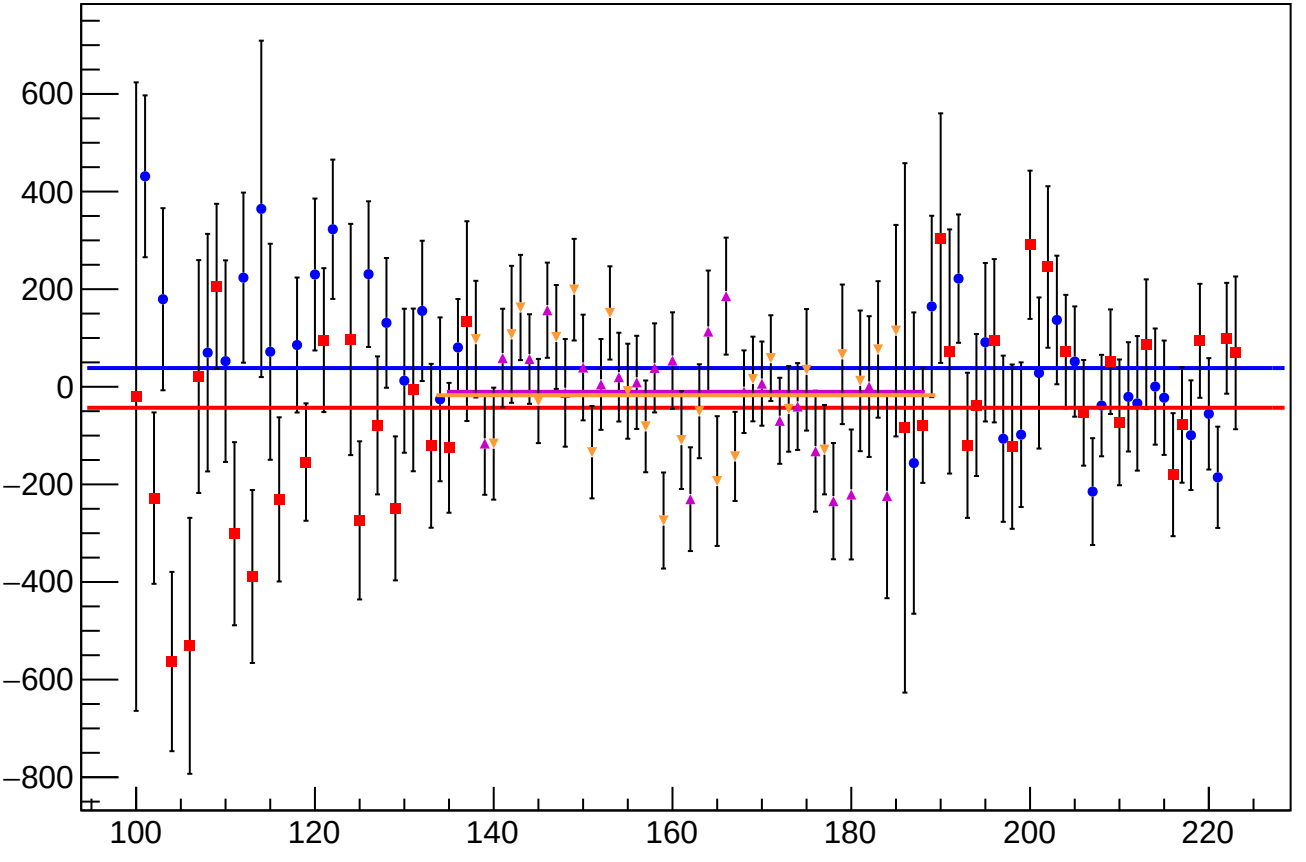
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1055.795+/-0.128 χ^2/NDF: 13930769.8/58

All: 1067.765+/-0.092 χ^2/NDF: 28820711.0/1

- sign 1080.519+/-0.132 χ^2/NDF: 14871766.9/61

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 38.365+/-23.999 χ^2/NDF: 35.7/33

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -43.005+/-24.361 χ^2/NDF: 48.0/38

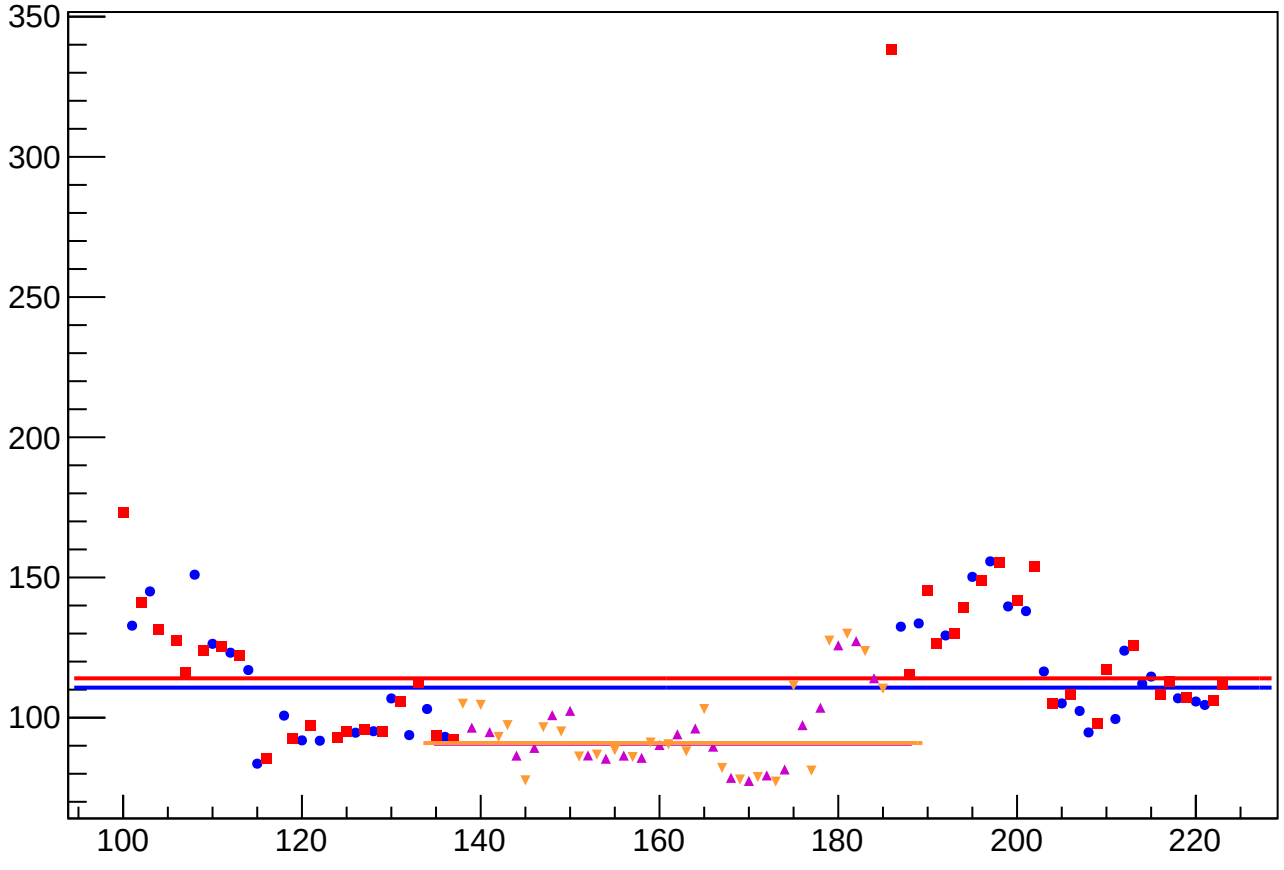
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 6.790+/-15.798 χ^2/NDF: 70.0/58

All: -8.629+/-11.283 χ^2/NDF: 143.6/120

- sign -24.686+/-16.121 χ^2/NDF: 71.7/61

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 110.712+/-0.017 χ^2/NDF: 1030018.0/33

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

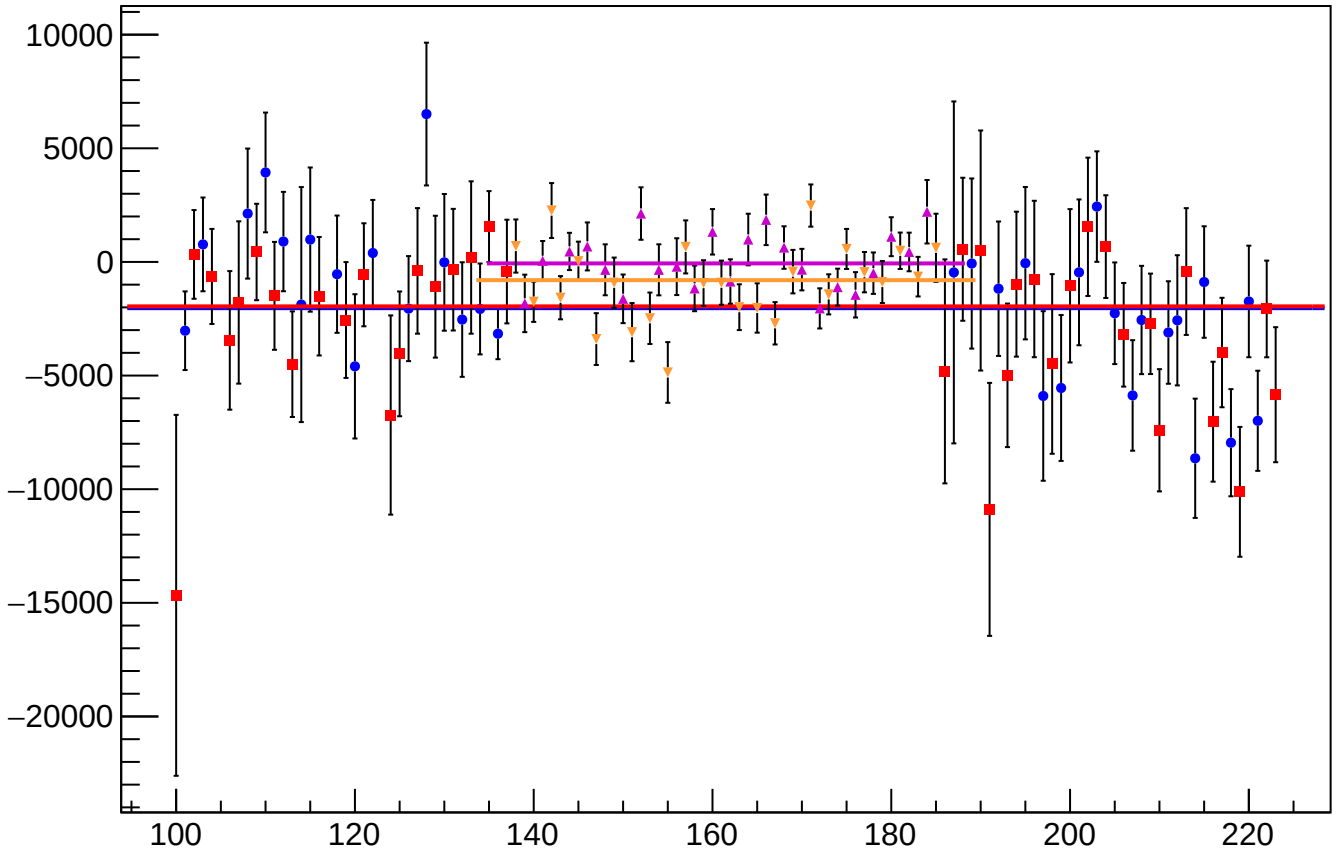
Right Out: 114.029+/-0.017 χ^2/NDF: 1388653.2/38

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 99.523+/-0.011 χ^2/NDF: 2581730.9/58

All: 100.203+/-0.008 χ^2/NDF: 5555667.6/120

- sign 100.911+/-0.011 χ^2/NDF: 2966380.3/61



Right In: -2034.171+/-419.941 χ^2/NDF: 50.5/33

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

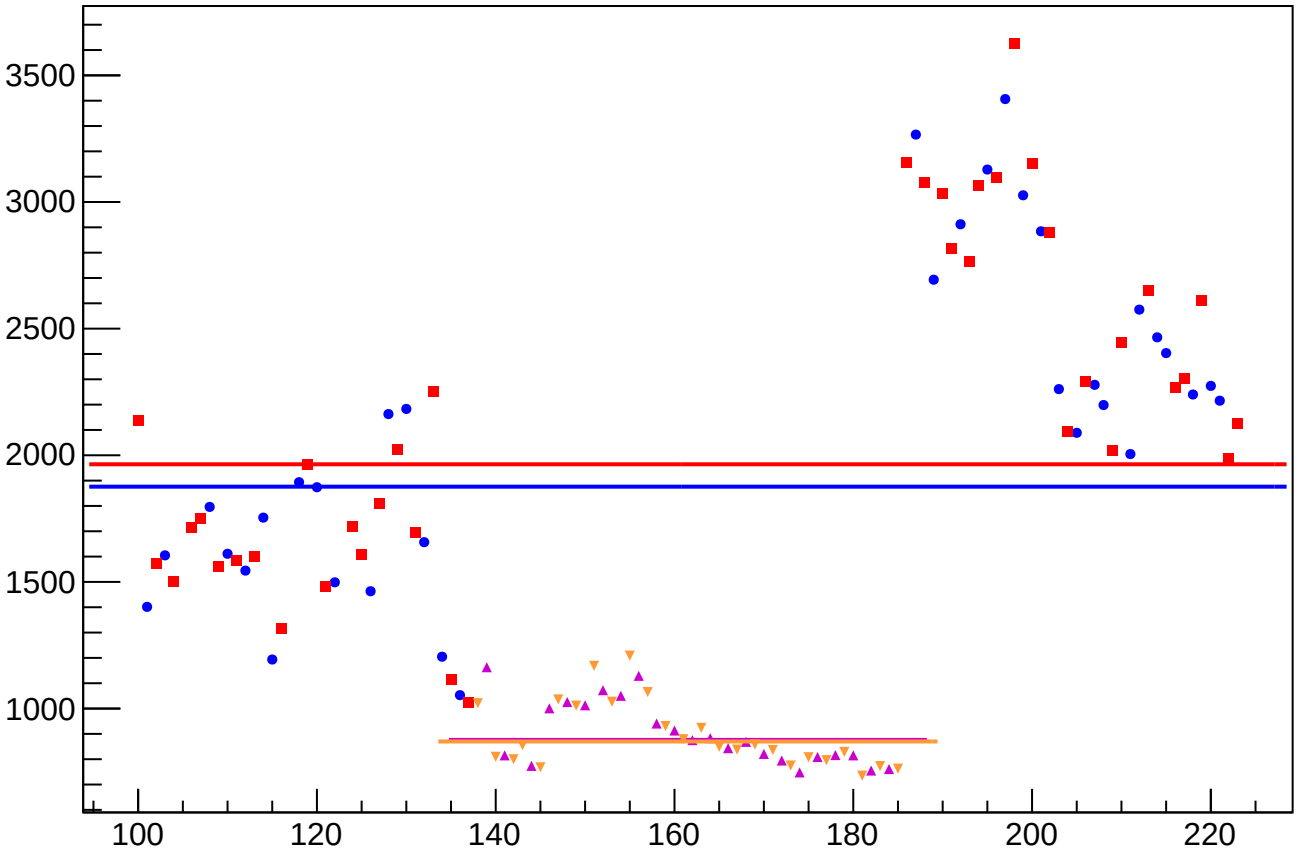
Right Out: -1955.630+/-429.960 χ^2/NDF: 43.2/38

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -1029.966+/-180.458 χ^2/NDF: 115.8/58

All: -734.672+/-129.610 χ^2/NDF: 210.9/120

- sign -420.035+/-186.274 χ^2/NDF: 89.6/61



Right In: 1876.108+/-0.297 χ^2/NDF: 3923539.6/33

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1964.460+/-0.304 χ^2/NDF: 3868152.1/38

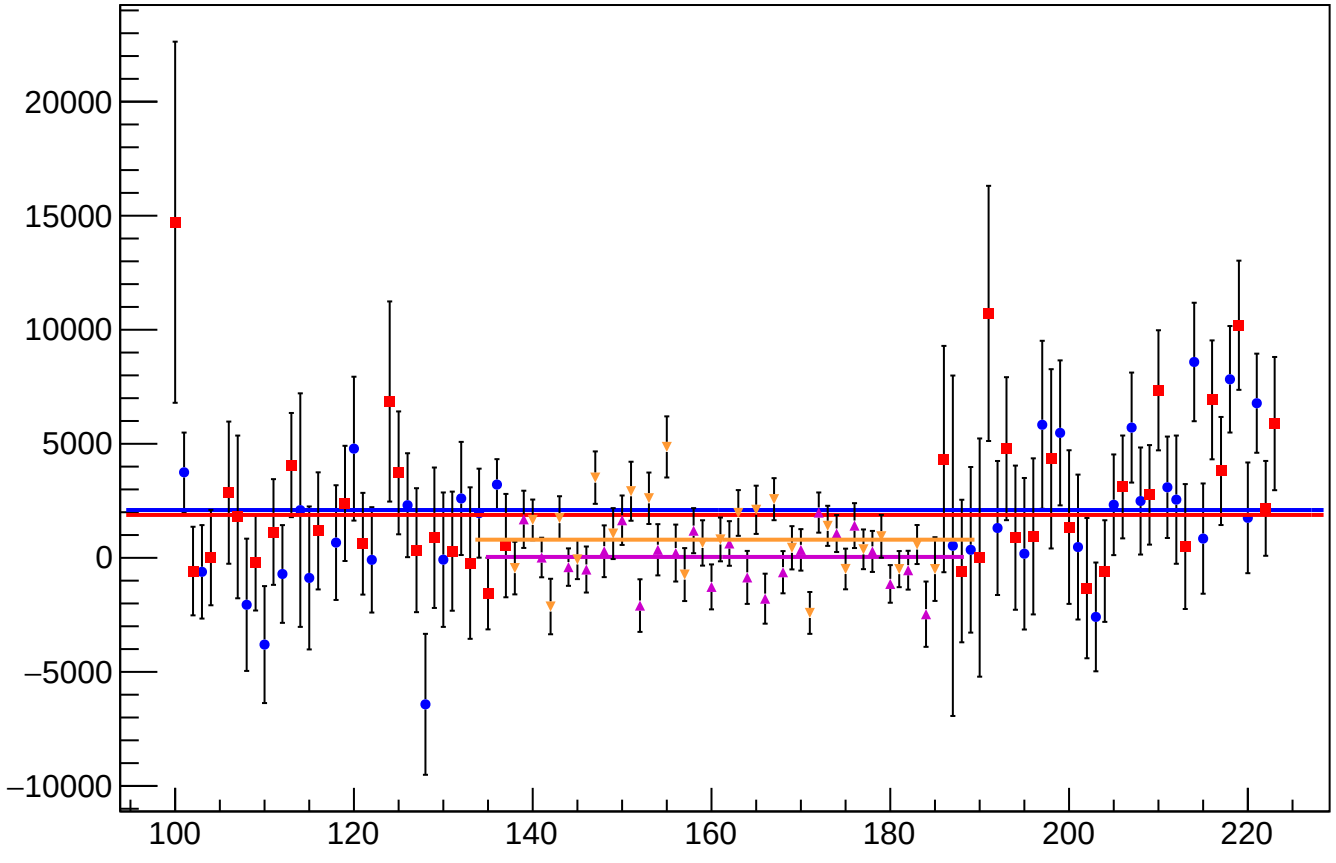
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1055.795+/-0.128 χ^2/NDF: 13930767.7/58

All: 1067.764+/-0.092 χ^2/NDF: 28820712.2/1

- sign 1080.517+/-0.132 χ^2/NDF: 14871770.5/61

asym_sam_24_68_dd_mean vs Slug



Right In: 2097.049+/-415.038 χ^2/NDF: 50.4/33

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1881.600+/-425.787 χ^2/NDF: 42.9/38

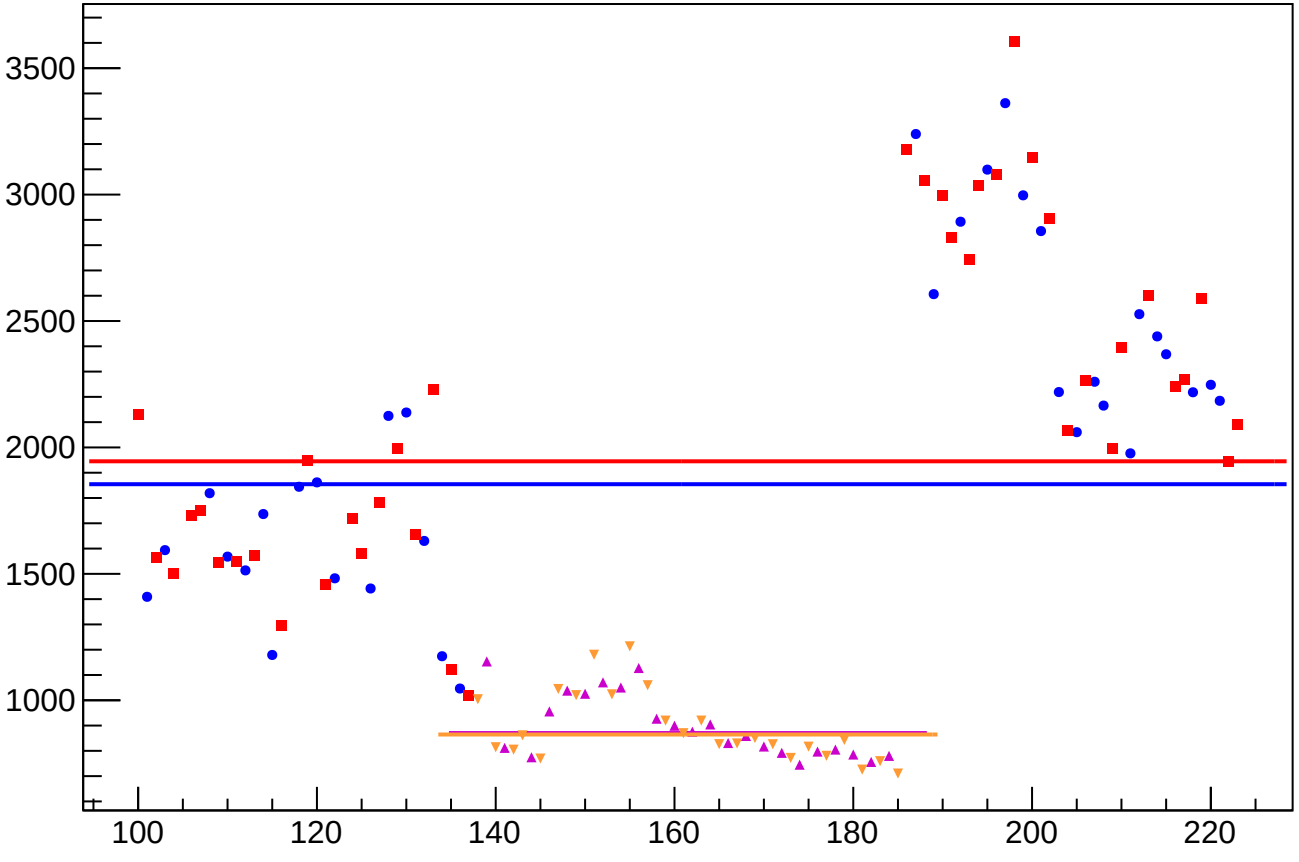
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 1039.035+/-179.295 χ^2/NDF: 115.6/58

All: 723.311+/-128.738 χ^2/NDF: 209.8/120

- sign 387.311+/-184.962 χ^2/NDF: 87.8/61

asym_sam_24_68_dd_rms vs Slug



Right In: 1854.593+/-0.293 χ^2/NDF: 3886477.2/33

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

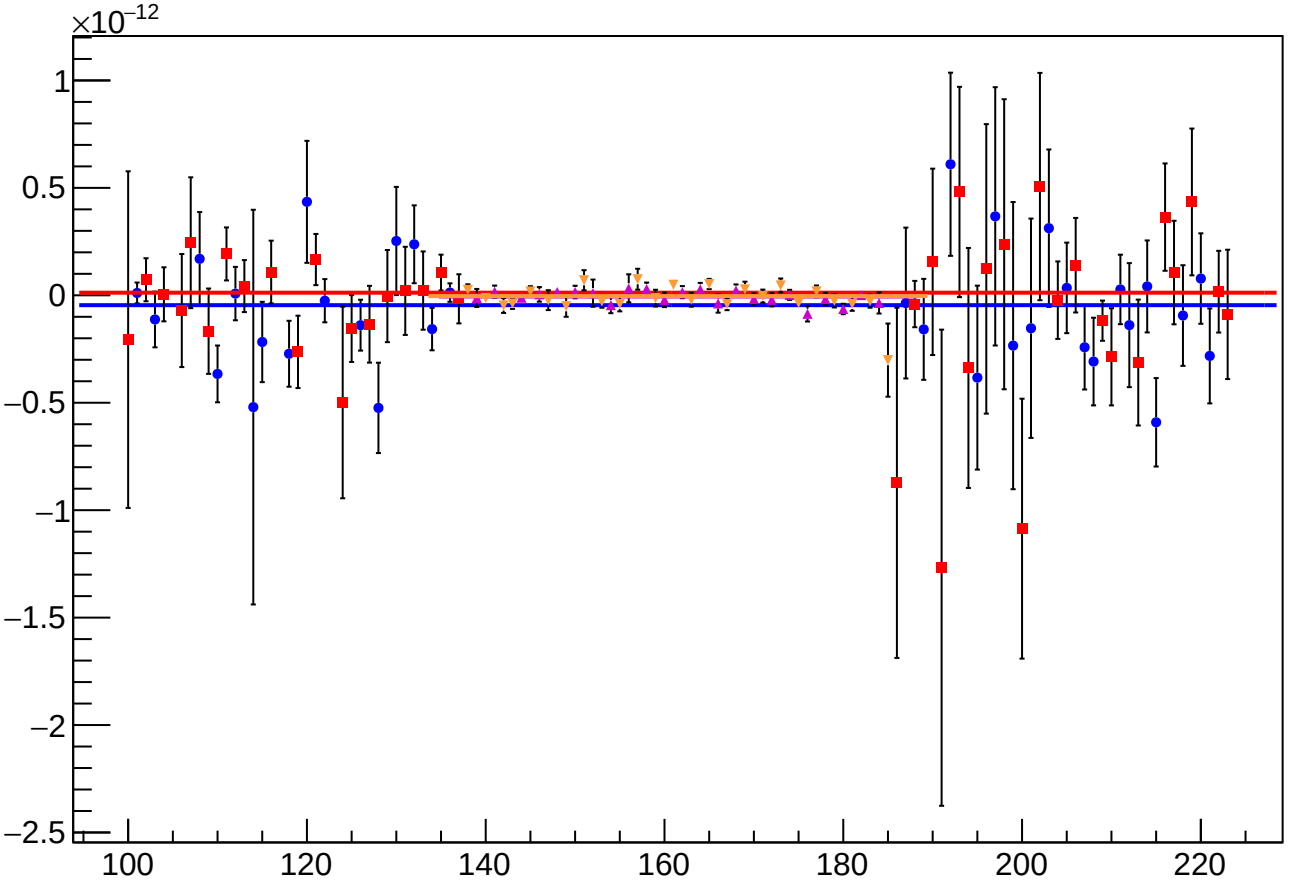
Right Out: 1945.190+/-0.301 χ^2/NDF: 3859560.7/38

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1049.382+/-0.127 χ^2/NDF: 13830469.8/58

All: 1060.908+/-0.091 χ^2/NDF: 28651459.7/1

- sign 1073.173+/-0.131 χ^2/NDF: 14803930.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 44.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/38

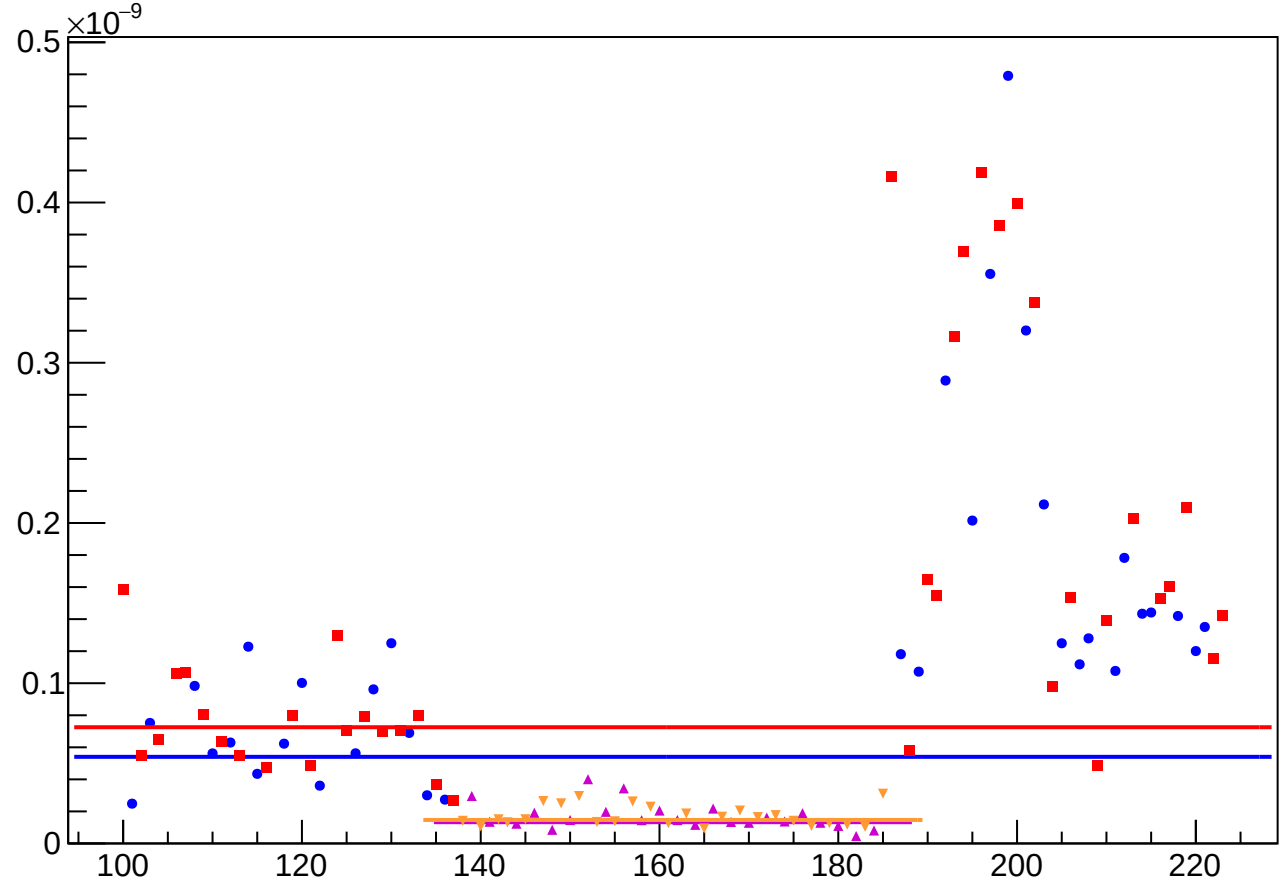
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.1/58

All: -0.000+/-0.000 χ^2/NDF: 138.1/120

- sign -0.000+/-0.000 χ^2/NDF: 52.0/61

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8123586.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

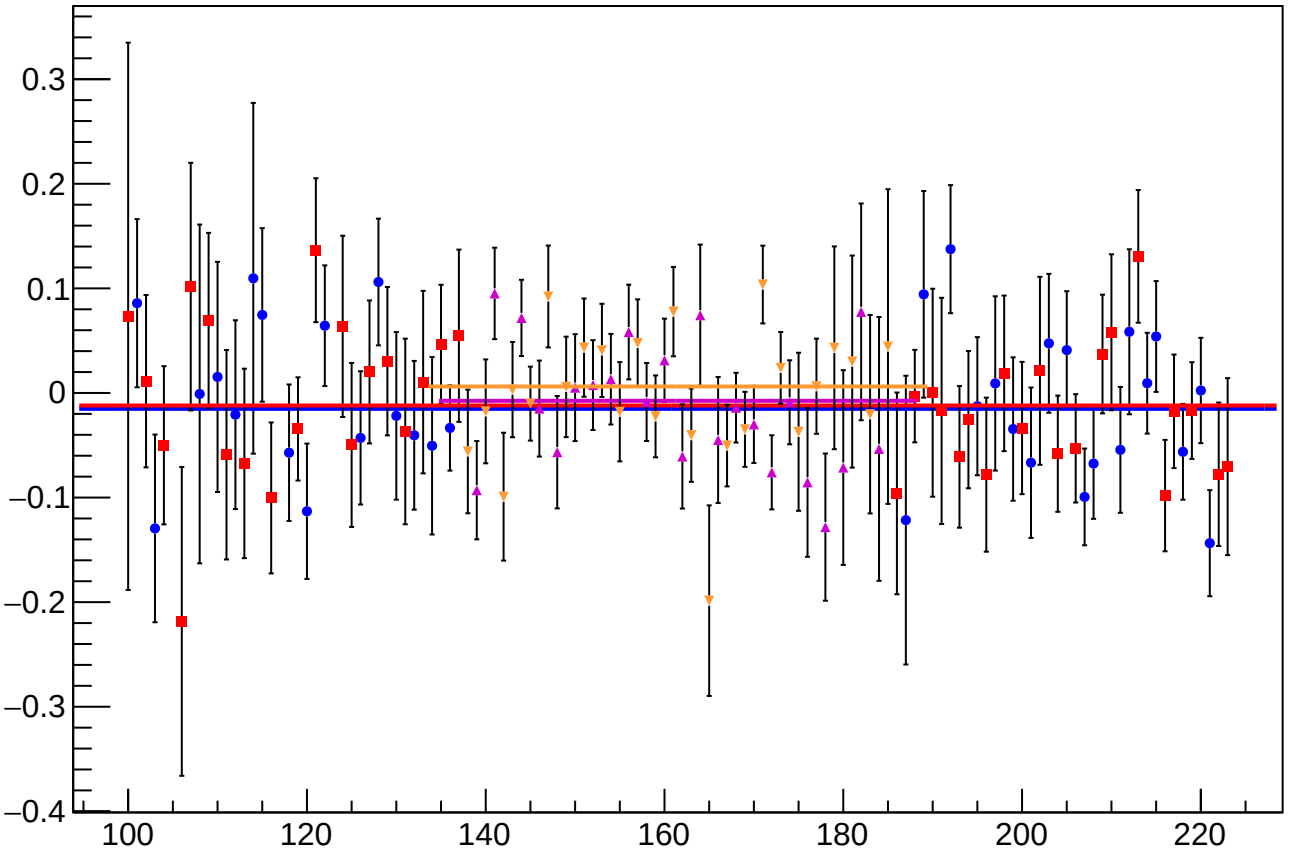
Right Out: 0.000+/-0.000 χ^2/NDF: 6696631.9/38

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14655818.4/58

All: 0.000+/-0.000 χ^2/NDF: 31873164.7/120

- sign 0.000+/-0.000 χ^2/NDF: 17167262.9/61



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.012+/-0.011 χ^2/NDF: 29.3/38

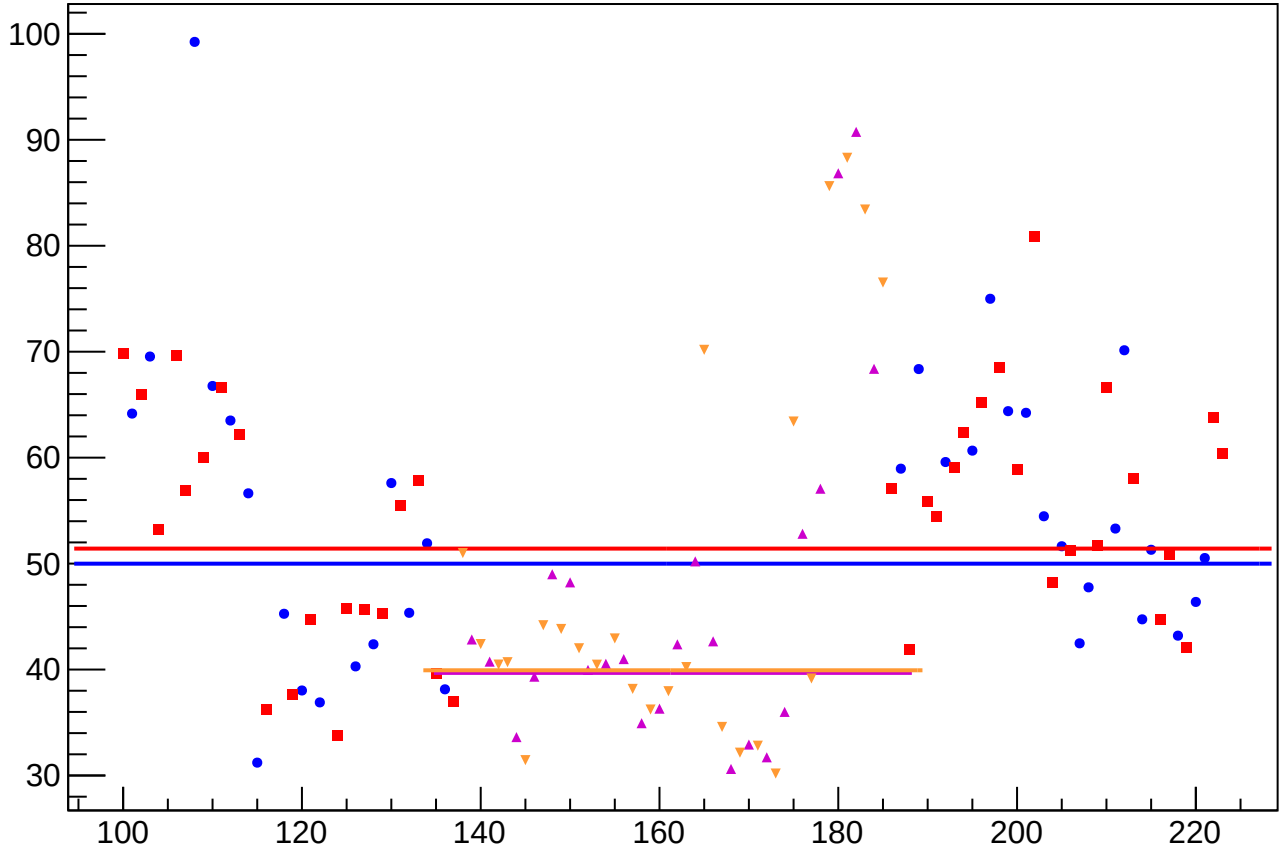
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.003+/-0.007 χ^2/NDF: 72.8/58

All: -0.006+/-0.005 χ^2/NDF: 133.0/120

- sign -0.009+/-0.007 χ^2/NDF: 59.8/61

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.993+/-0.008 χ^2/NDF: 1803655.8/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

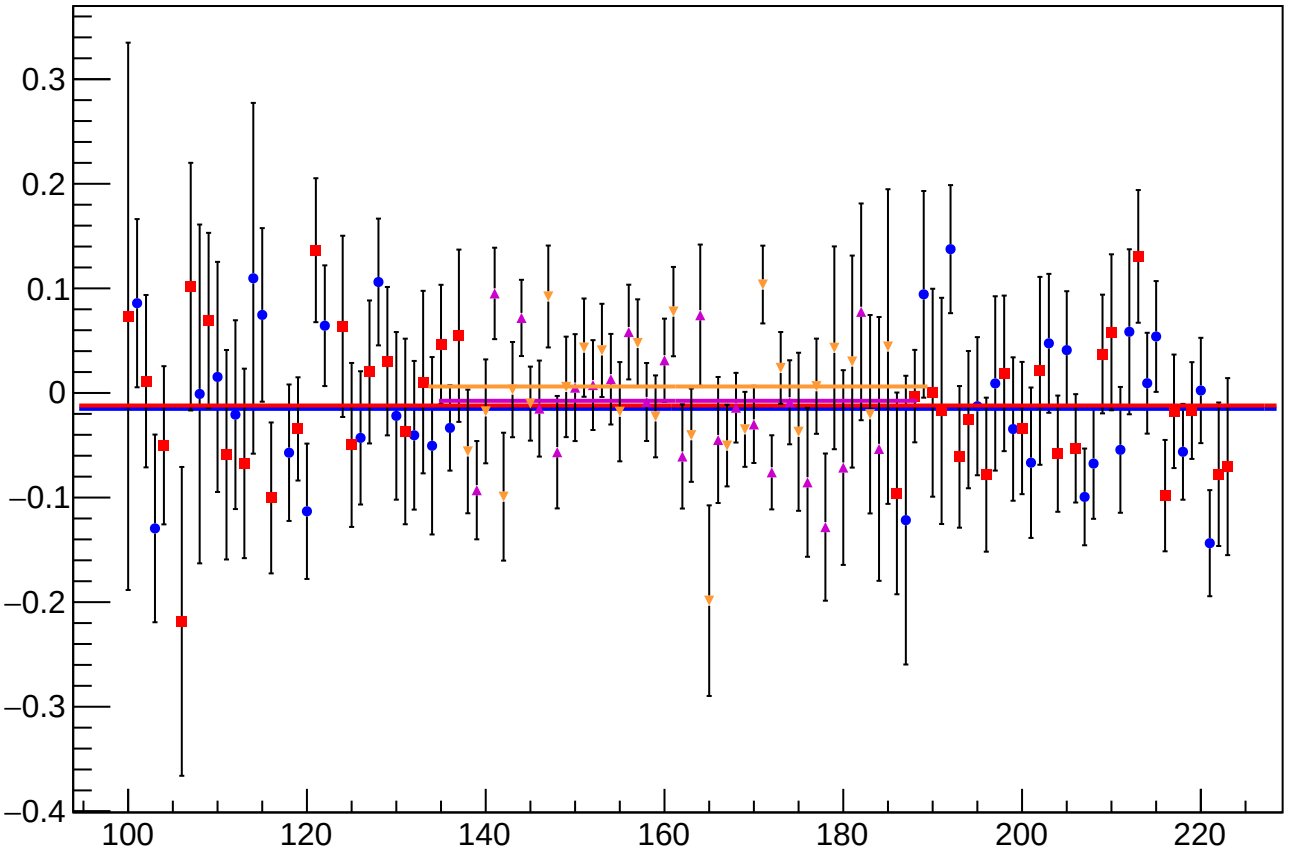
Right Out: 51.416+/-0.008 χ^2/NDF: 1667639.7/38

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.229+/-0.005 χ^2/NDF: 5223507.7/58

All: 44.494+/-0.004 χ^2/NDF: 10060033.5/120

- sign 44.767+/-0.005 χ^2/NDF: 4831104.9/61



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

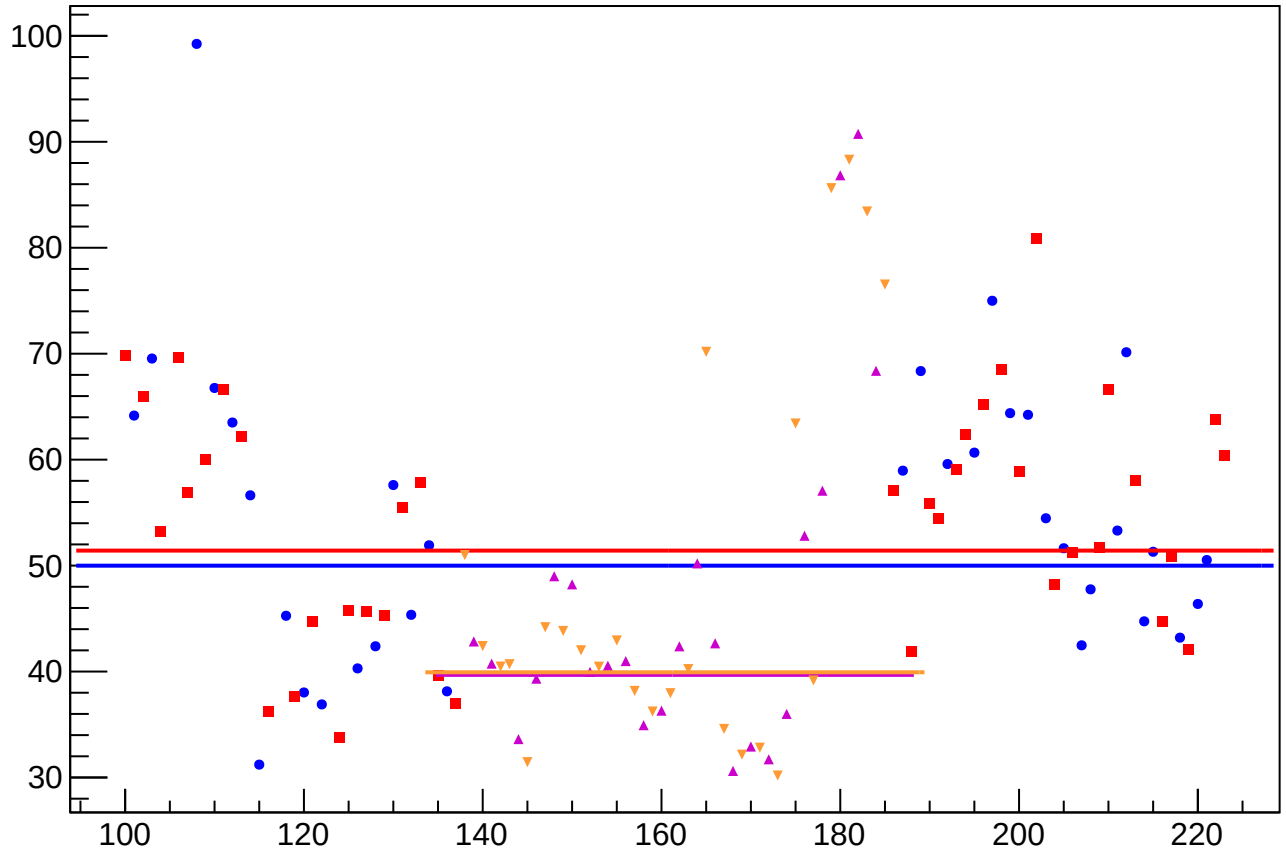
Right Out: -0.012+/-0.011 χ^2/NDF: 29.3/38

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.003+/-0.007 χ^2/NDF: 72.8/58

All: -0.006+/-0.005 χ^2/NDF: 133.0/120

- sign -0.009+/-0.007 χ^2/NDF: 59.8/61



Right In: 49.993+/-0.008 χ^2/NDF: 1803655.8/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

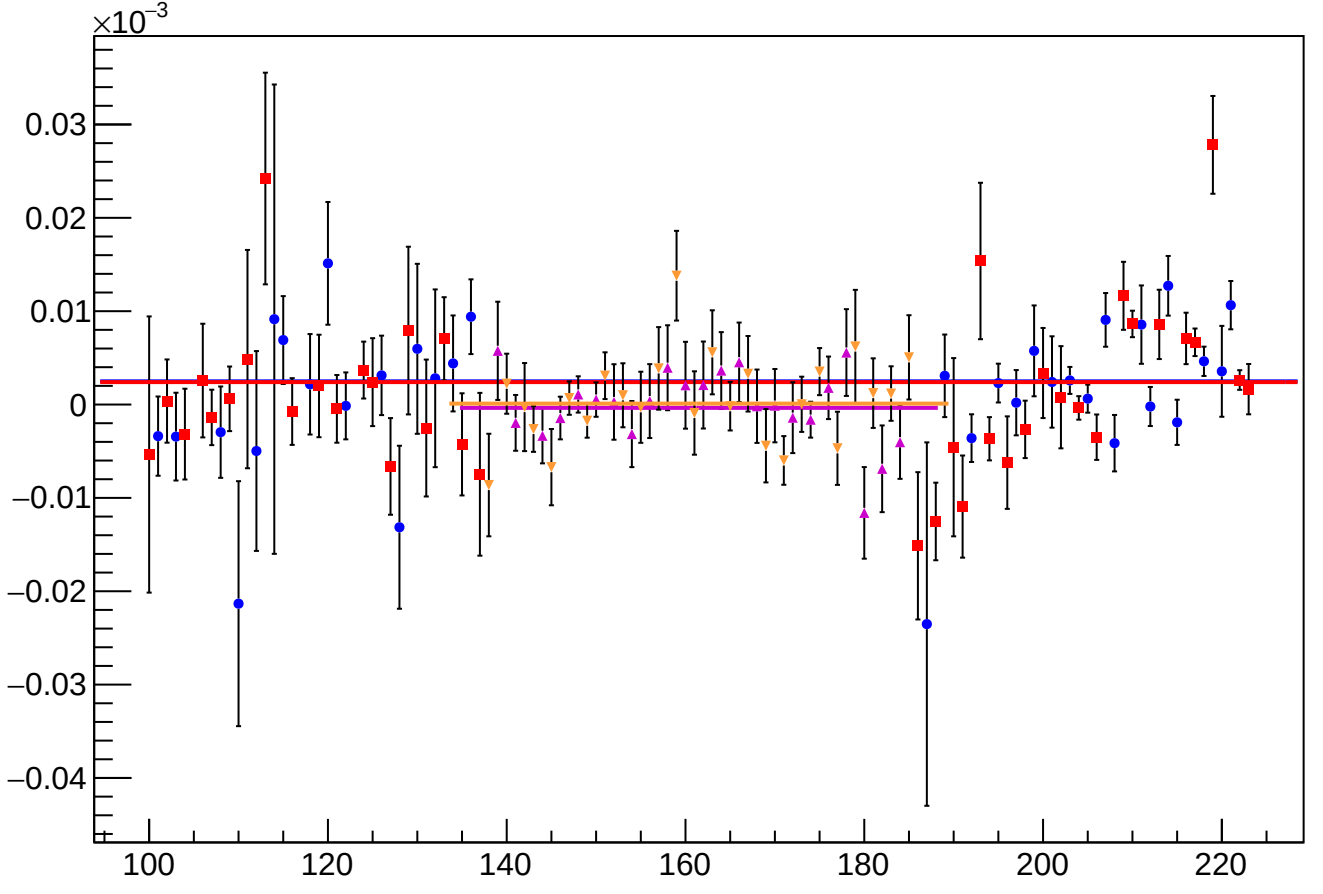
Right Out: 51.416+/-0.008 χ^2/NDF: 1667639.7/38

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.229+/-0.005 χ^2/NDF: 5223507.7/58

All: 44.494+/-0.004 χ^2/NDF: 10060033.5/120

- sign 44.767+/-0.005 χ^2/NDF: 4831104.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 69.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

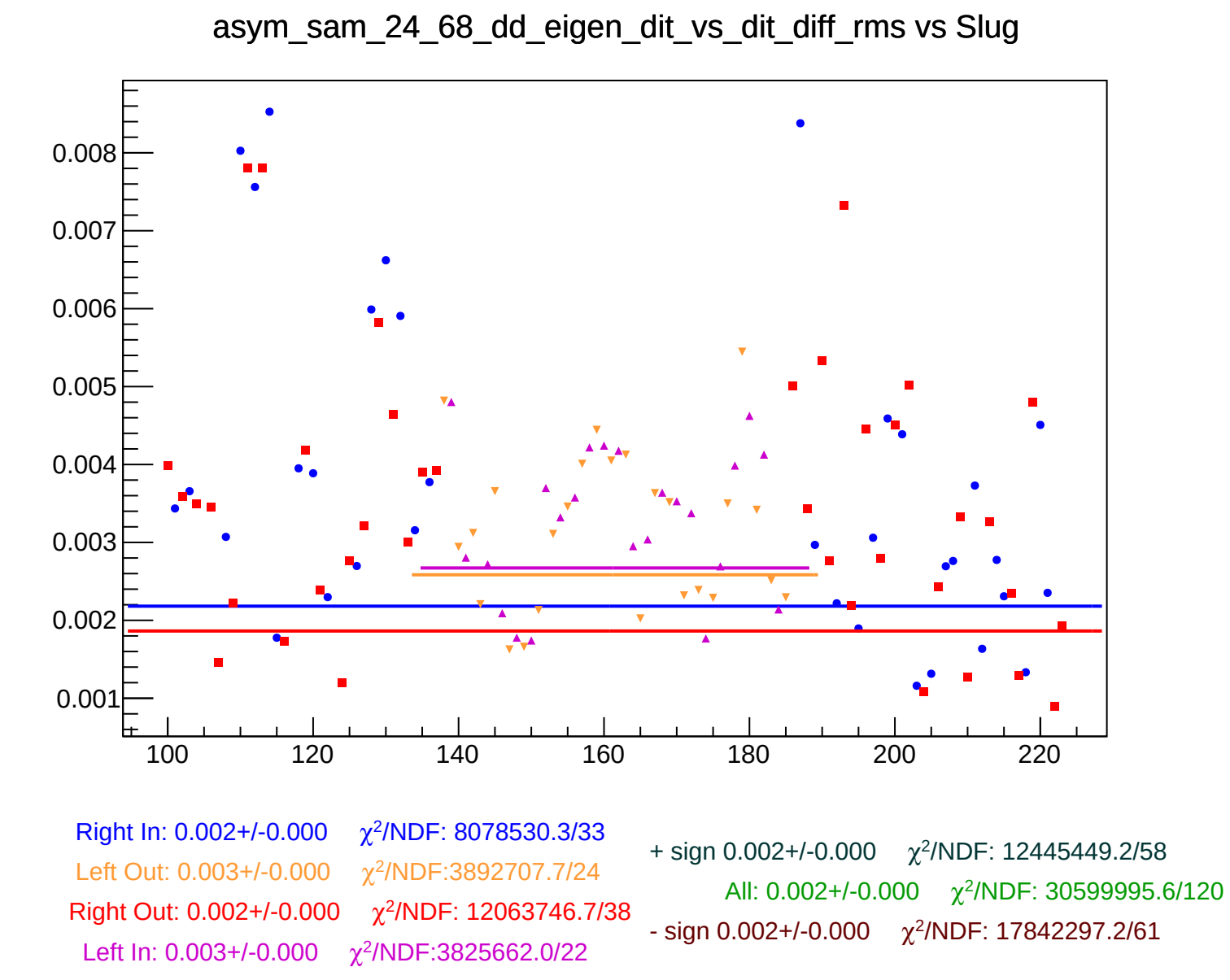
Right Out: 0.000+/-0.000 χ^2/NDF: 130.3/38

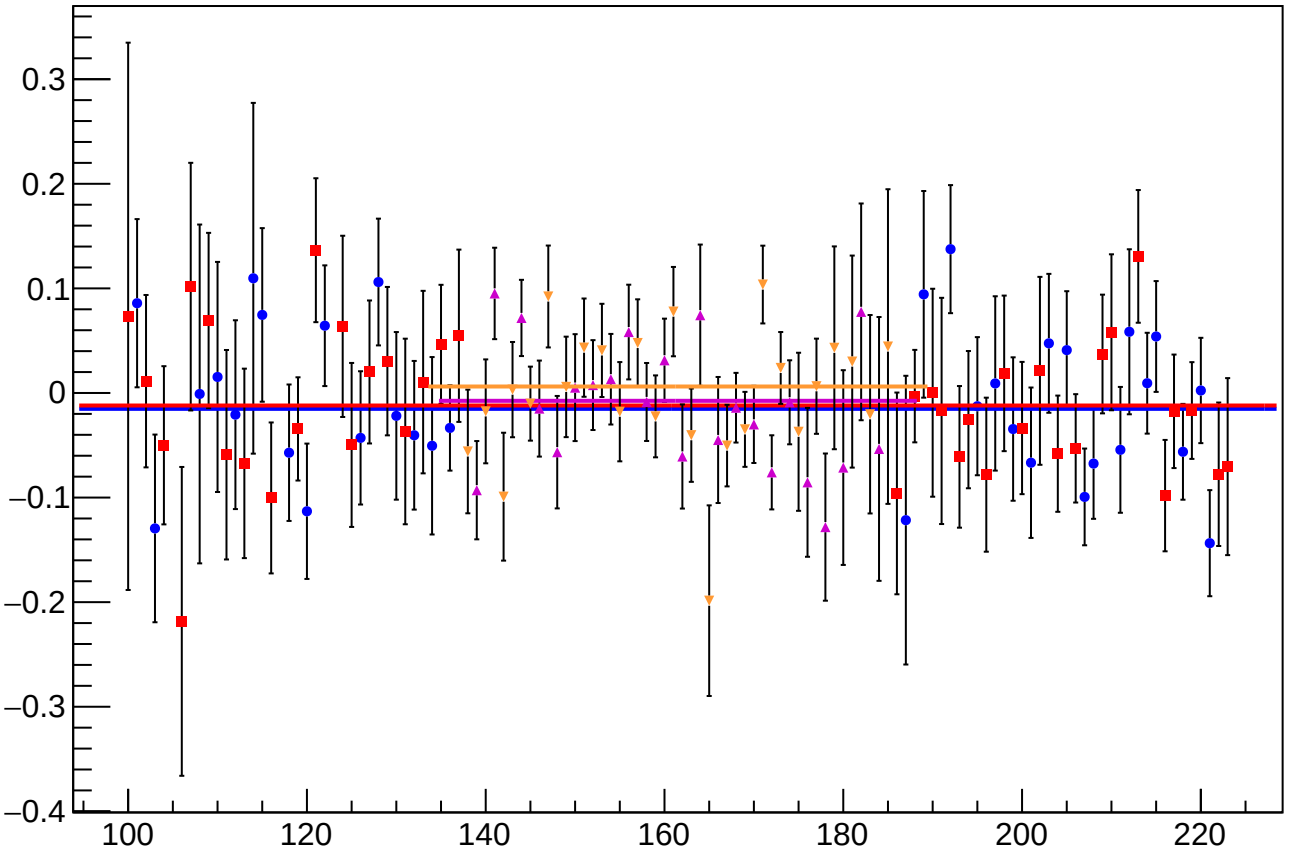
Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 110.8/58

All: 0.000+/-0.000 χ^2/NDF: 271.2/120

- sign 0.000+/-0.000 χ^2/NDF: 160.4/61


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 8078530.3/33
Left Out: 0.003+/-0.000 χ²/NDF:3892707.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 12063746.7/38
Left In: 0.003+/-0.000 χ²/NDF:3825662.0/22
+ sign 0.002+/-0.000 χ²/NDF: 12445449.2/58
All: 0.002+/-0.000 χ²/NDF: 30599995.6/120
- sign 0.002+/-0.000 χ²/NDF: 17842297.2/61



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

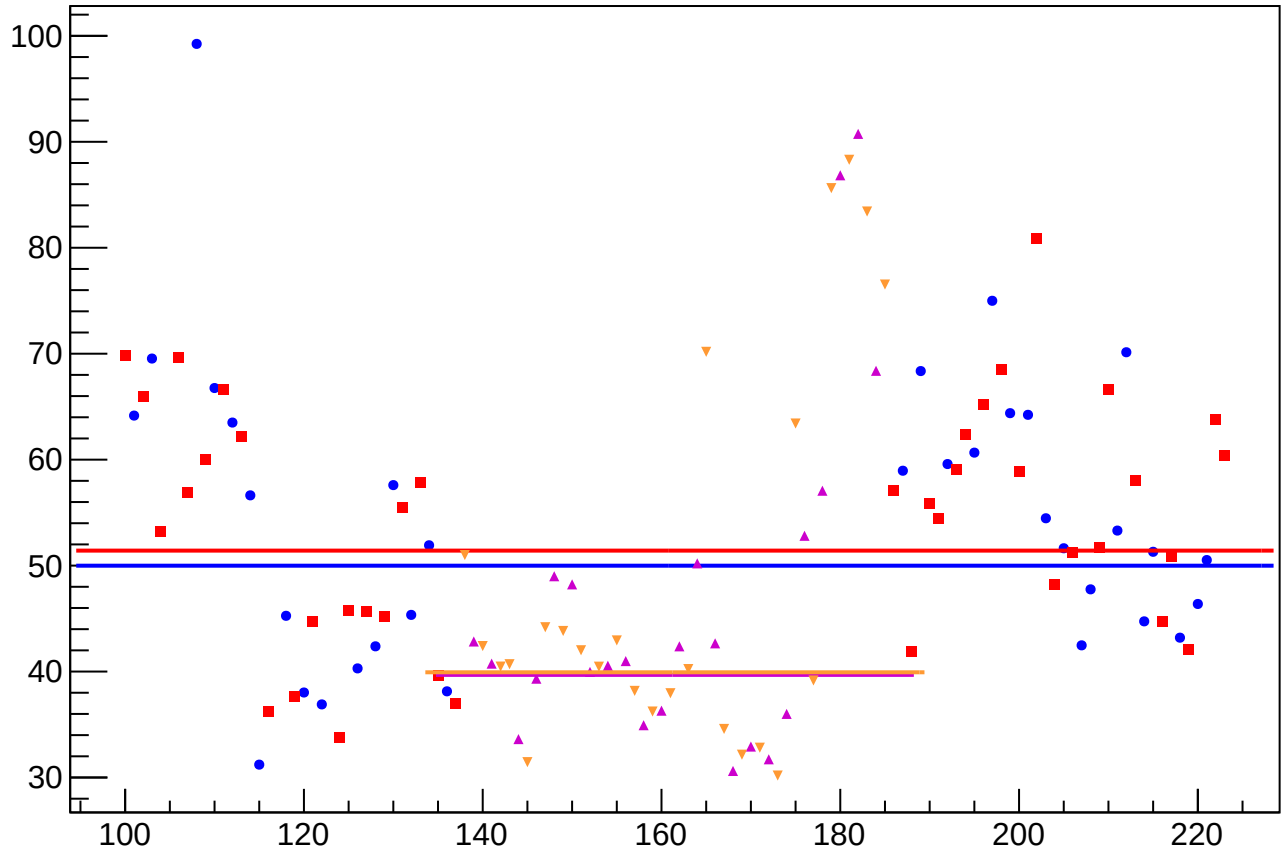
Right Out: -0.012+/-0.011 χ^2/NDF: 29.3/38

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.003+/-0.007 χ^2/NDF: 72.8/58

All: -0.006+/-0.005 χ^2/NDF: 133.0/120

- sign -0.009+/-0.007 χ^2/NDF: 59.8/61



Right In: 49.991+/-0.008 χ^2/NDF: 1803742.1/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

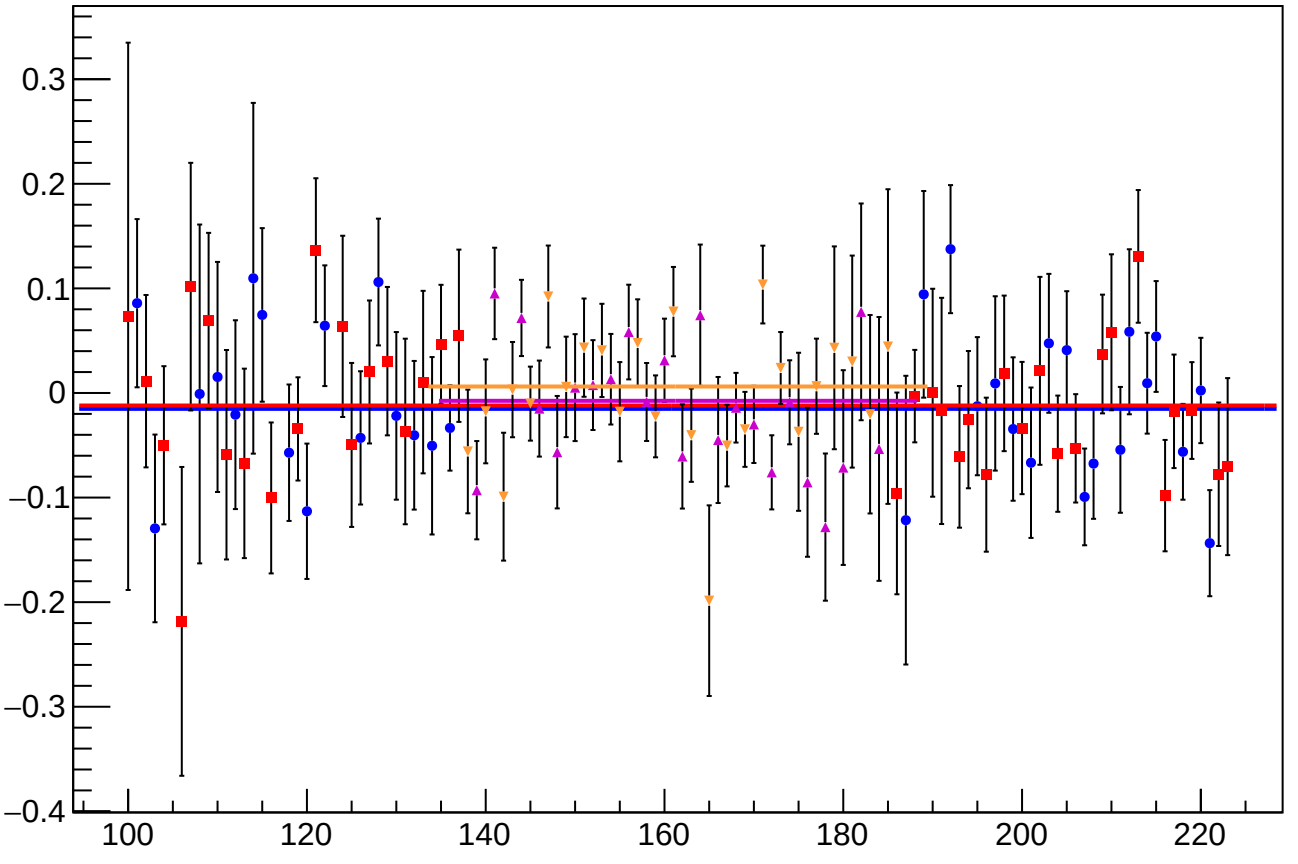
Right Out: 51.415+/-0.008 χ^2/NDF: 1667712.3/38

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.229+/-0.005 χ^2/NDF: 5223414.4/58

All: 44.493+/-0.004 χ^2/NDF: 10059944.5/120

- sign 44.766+/-0.005 χ^2/NDF: 4831109.8/61



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

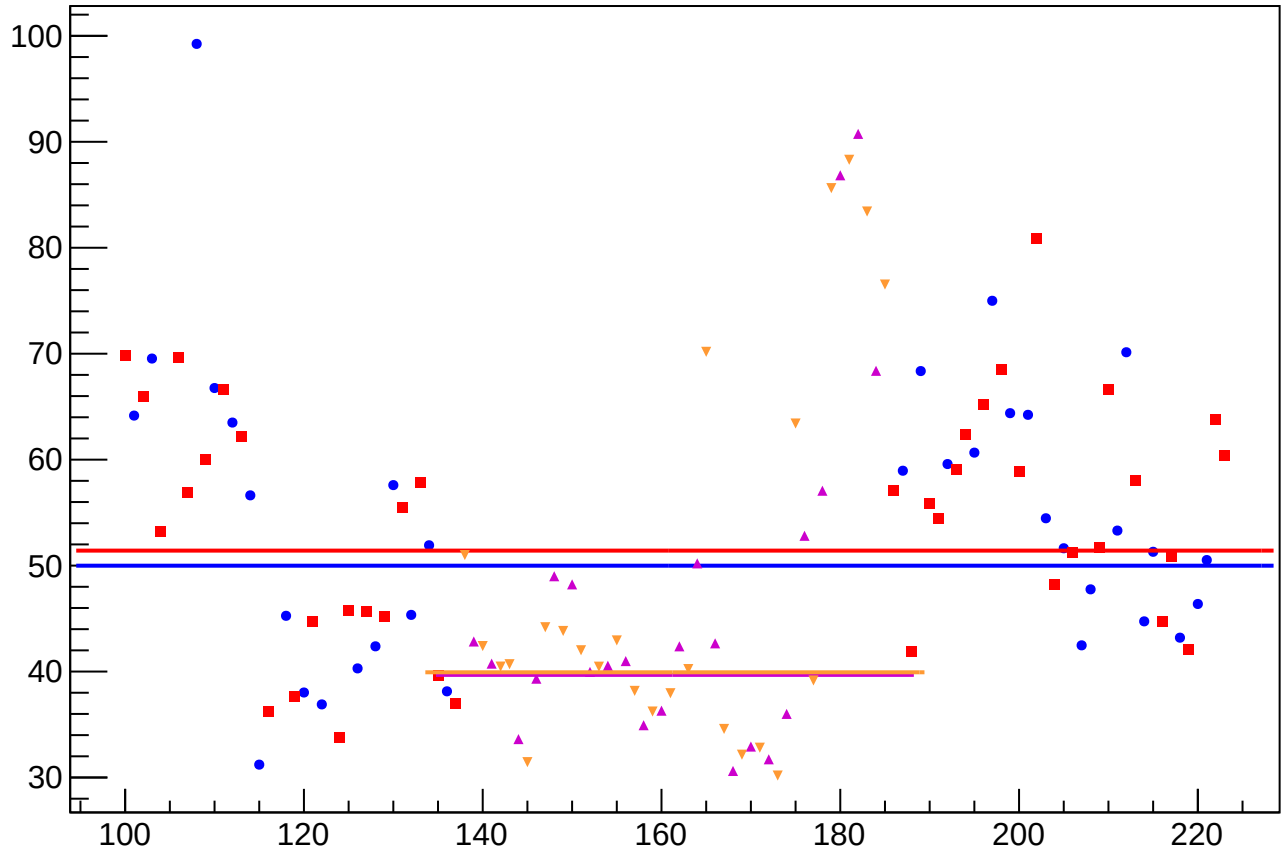
Right Out: -0.012+/-0.011 χ^2/NDF: 29.3/38

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.003+/-0.007 χ^2/NDF: 72.8/58

All: -0.006+/-0.005 χ^2/NDF: 133.0/120

- sign -0.009+/-0.007 χ^2/NDF: 59.8/61



Right In: 49.991+/-0.008 χ^2/NDF: 1803742.1/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

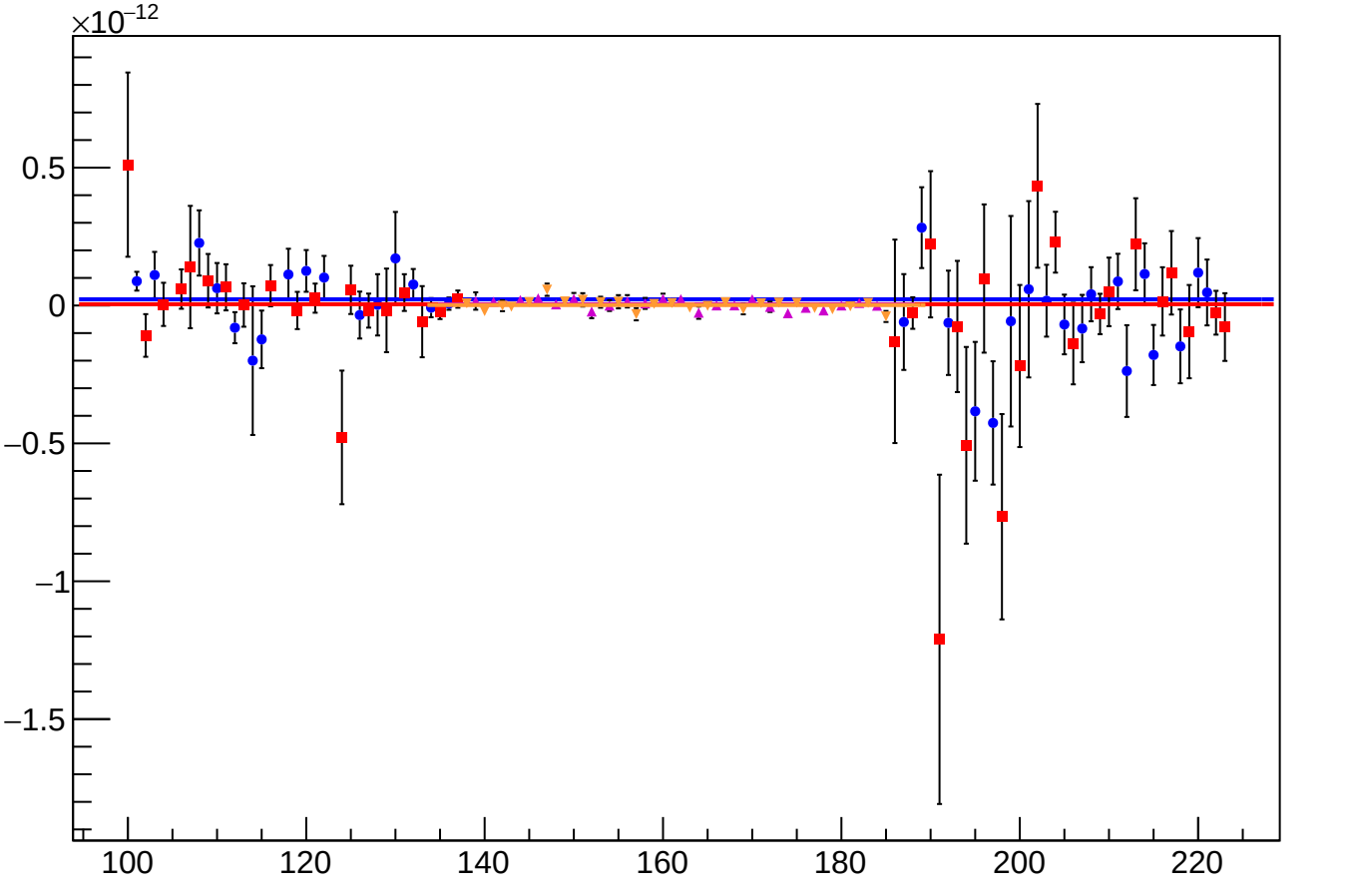
Right Out: 51.415+/-0.008 χ^2/NDF: 1667712.3/38

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.229+/-0.005 χ^2/NDF: 5223414.4/58

All: 44.493+/-0.004 χ^2/NDF: 10059944.5/120

- sign 44.766+/-0.005 χ^2/NDF: 4831109.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

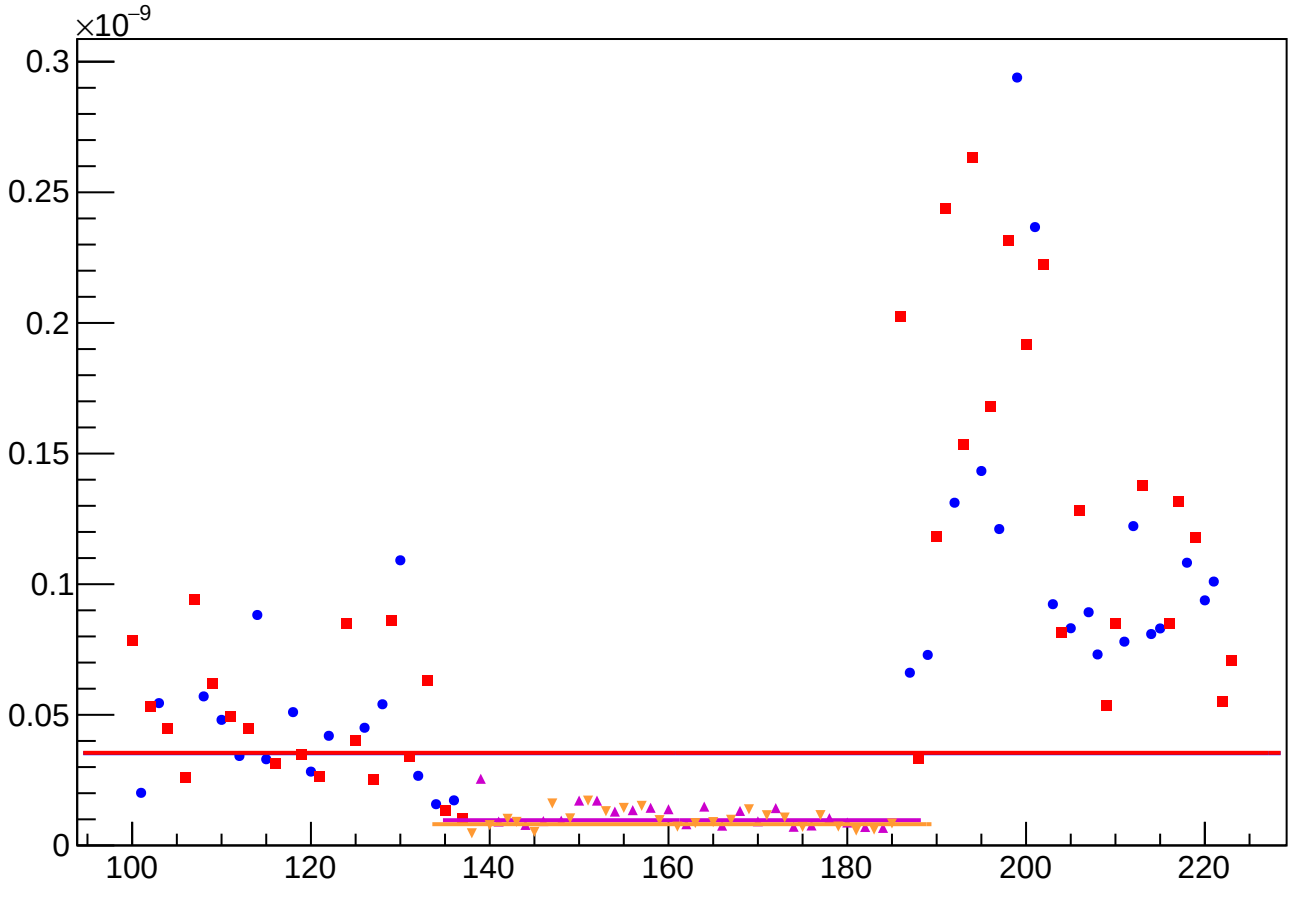
Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/38

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.8/58

All: 0.000+/-0.000 χ^2/NDF: 137.9/120

- sign 0.000+/-0.000 χ^2/NDF: 65.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 11033533.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12492963.0/38

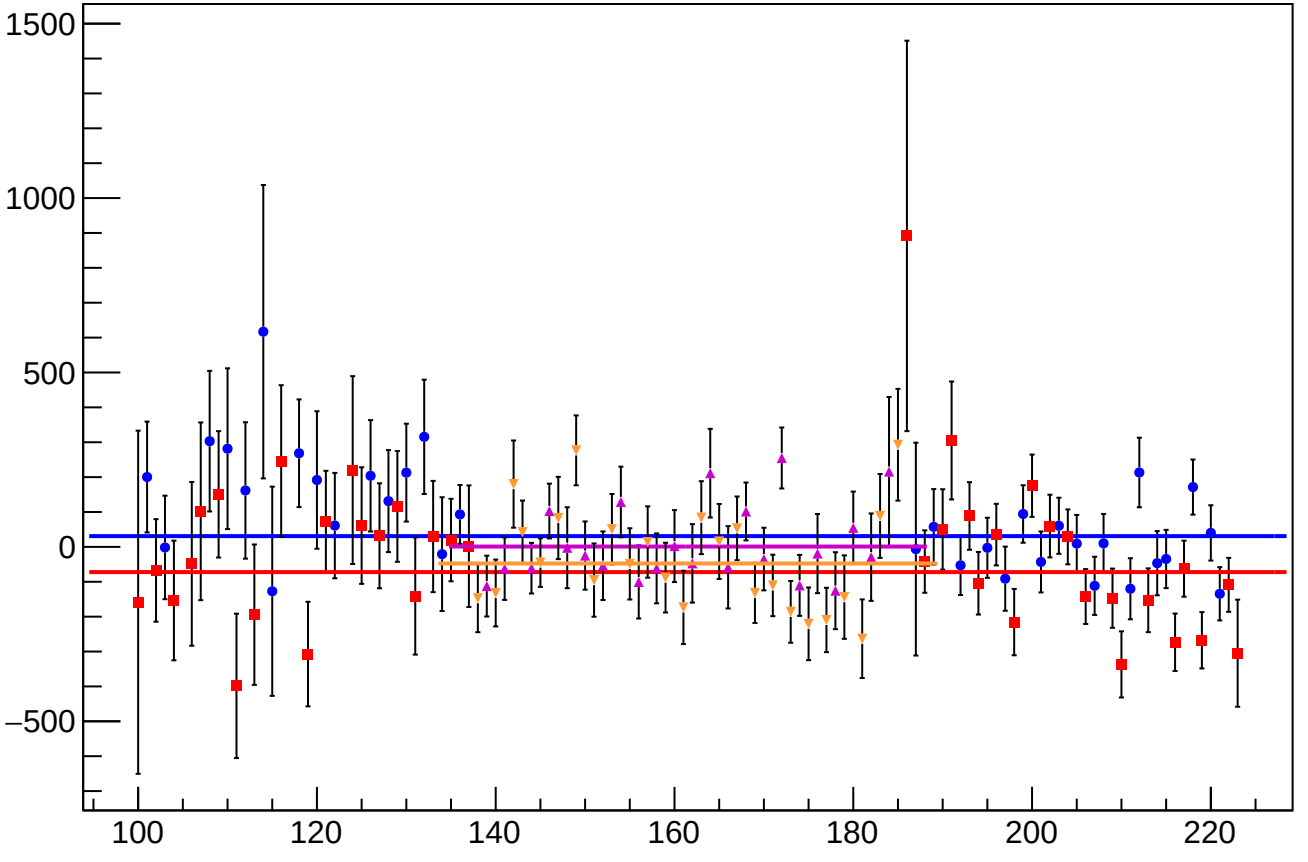
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 22497258.9/58

All: 0.000+/-0.000 χ^2/NDF: 45120752.3/120

- sign 0.000+/-0.000 χ^2/NDF: 22209147.4/61

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 30.891+/-18.349 χ^2/NDF: 39.9/33

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -72.232+/-18.449 χ^2/NDF: 67.6/38

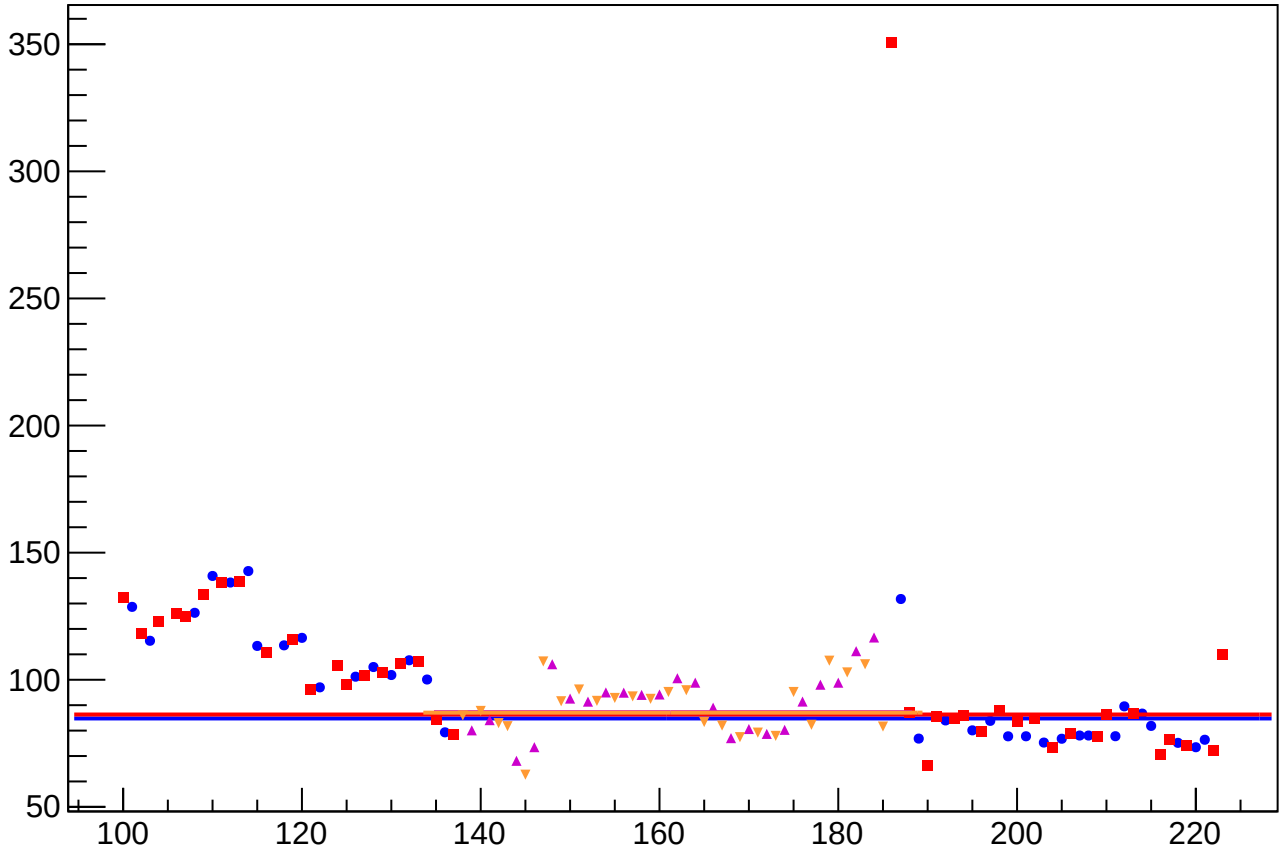
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -4.979+/-13.515 χ^2/NDF: 92.2/58

All: -22.023+/-9.637 χ^2/NDF: 195.5/120

- sign -39.650+/-13.744 χ^2/NDF: 100.1/61

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 84.780+/-0.013 χ^2/NDF: 1214123.0/33

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

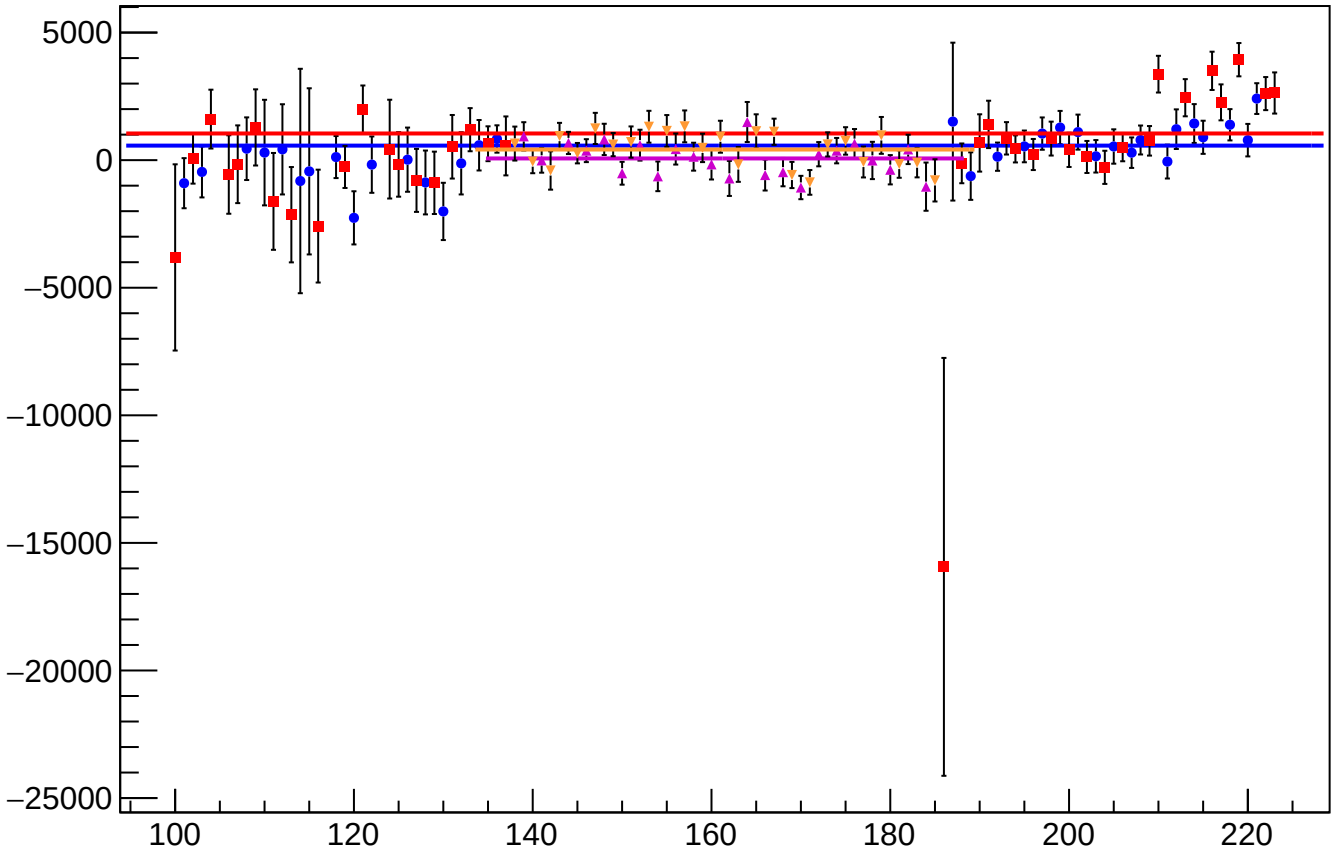
Right Out: 86.331+/-0.013 χ^2/NDF: 1826126.5/38

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 85.829+/-0.010 χ^2/NDF: 1849017.8/58

All: 86.278+/-0.007 χ^2/NDF: 4277677.8/120

- sign 86.743+/-0.010 χ^2/NDF: 2424159.3/61



Right In: 569.510+/-135.545 χ^2/NDF: 38.9/33

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 1045.146+/-134.159 χ^2/NDF: 98.1/38

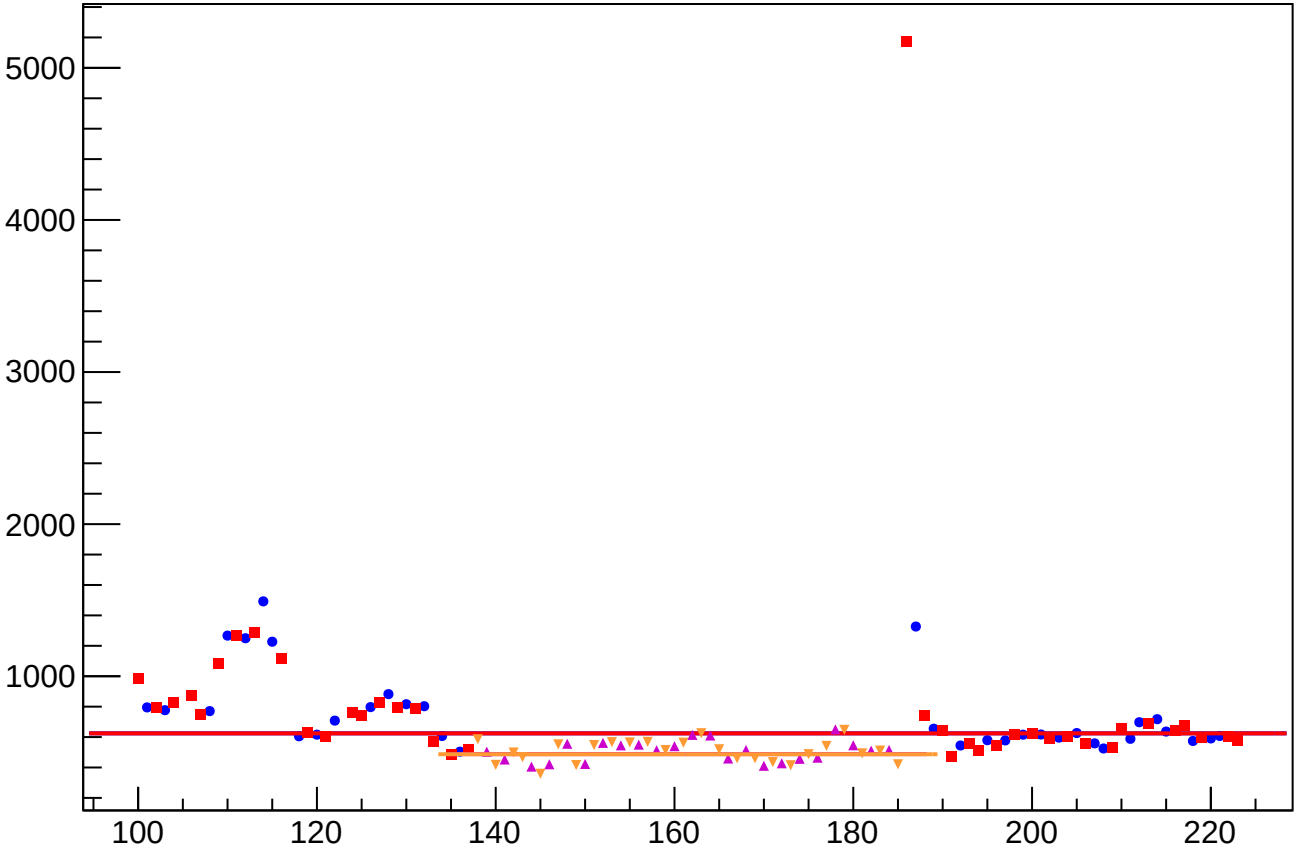
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 478.758+/-86.493 χ^2/NDF: 72.1/58

All: 480.783+/-61.511 χ^2/NDF: 228.2/120

- sign 482.854+/-87.495 χ^2/NDF: 156.1/61

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 624.544+/-0.096 χ^2/NDF: 1396203.4/33

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 624.305+/-0.095 χ^2/NDF: 2246608.6/38

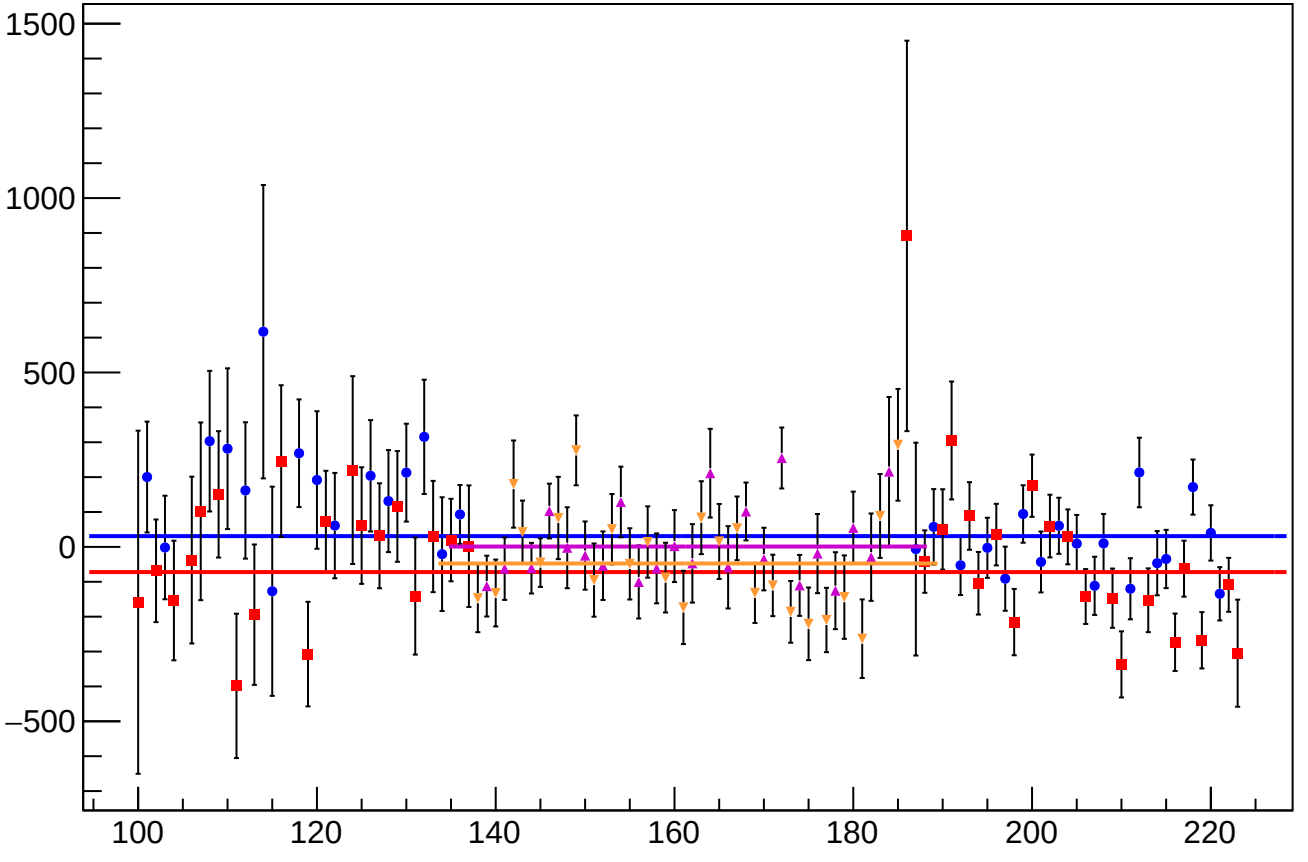
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 543.054+/-0.061 χ^2/NDF: 3436899.7/58

All: 544.478+/-0.043 χ^2/NDF: 7506490.2/120

- sign 545.935+/-0.062 χ^2/NDF: 4068493.2/61

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 30.886+/-18.349 χ^2/NDF: 39.9/33

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -72.186+/-18.451 χ^2/NDF: 67.6/38

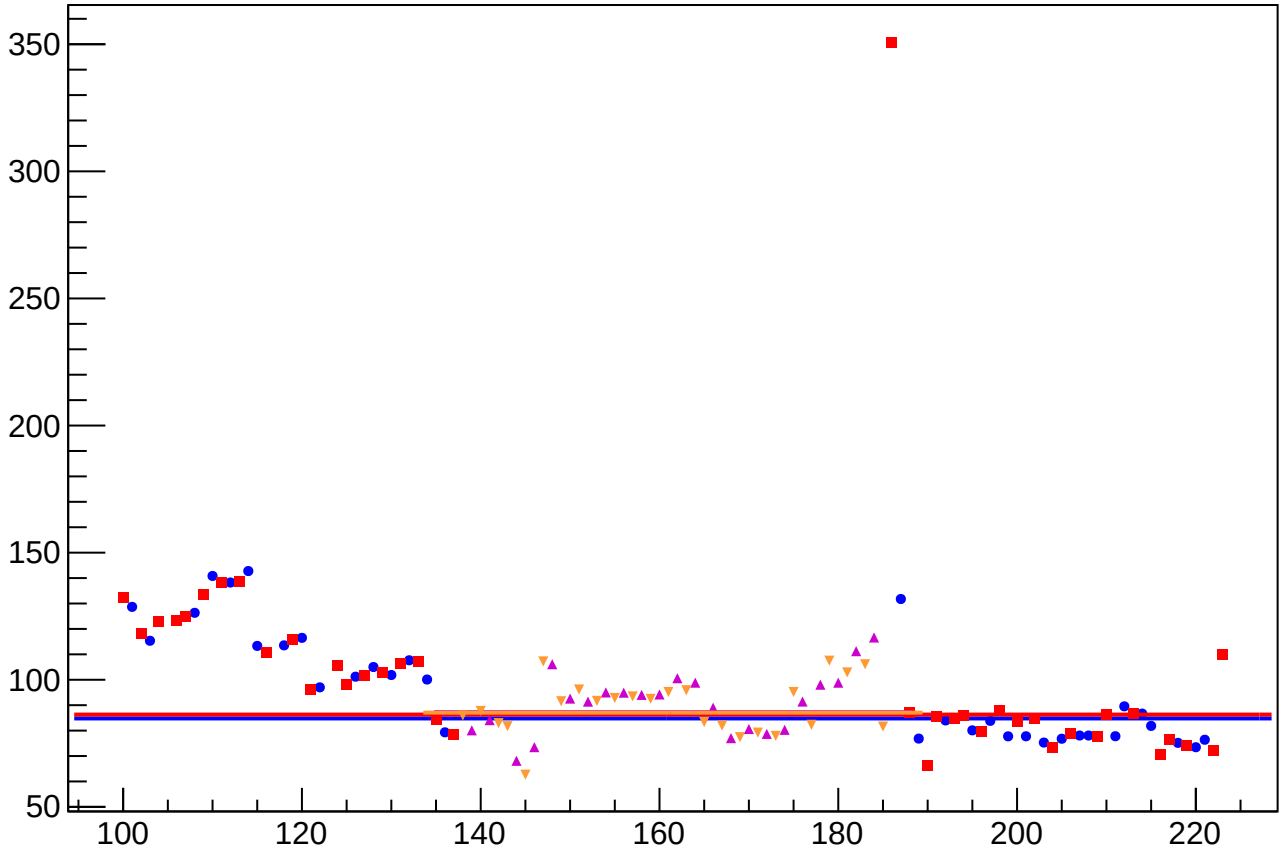
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.986+/-13.515 χ^2/NDF: 92.2/58

All: -22.011+/-9.637 χ^2/NDF: 195.5/120

- sign -39.619+/-13.745 χ^2/NDF: 100.1/61

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 84.780+/-0.013 χ^2/NDF: 1214123.4/33

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

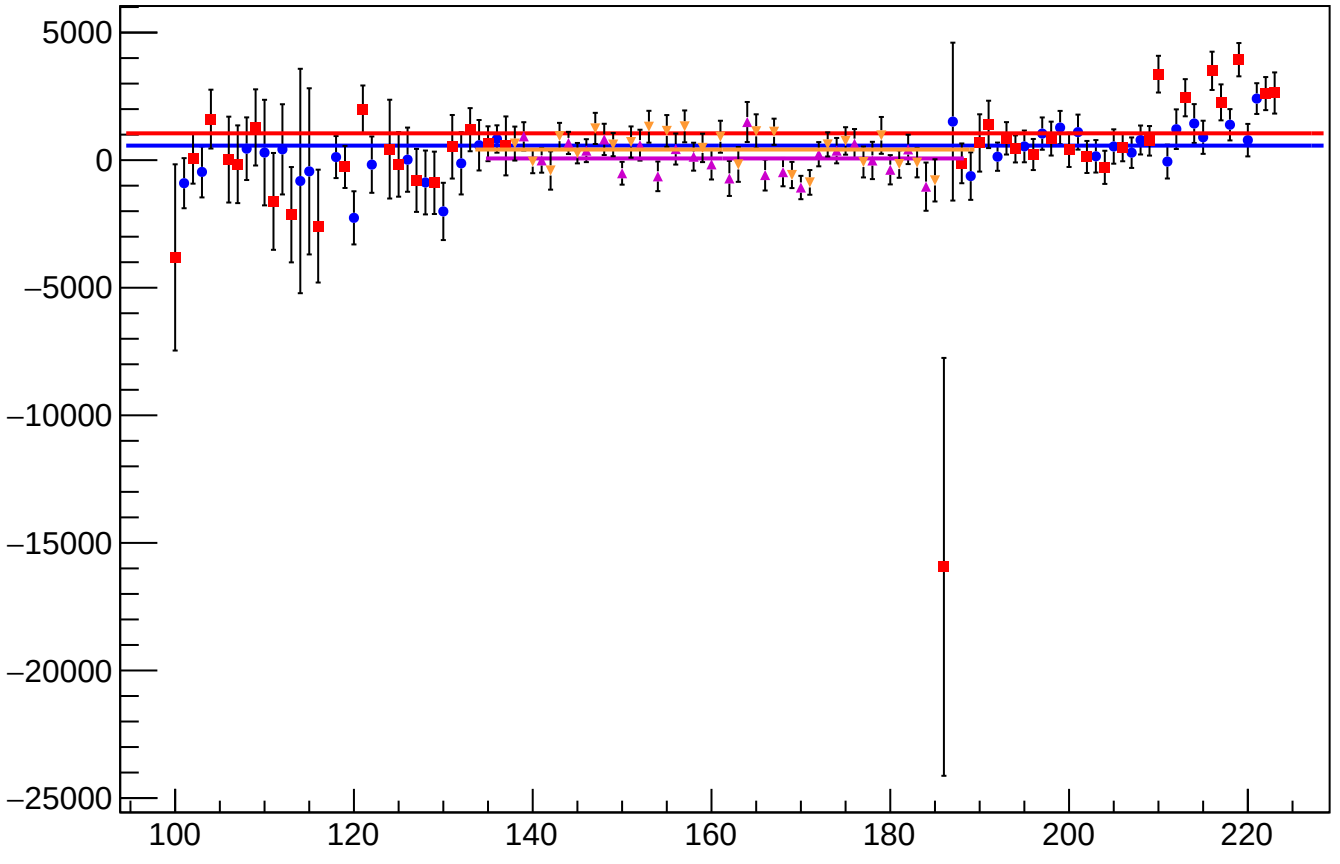
Right Out: 86.306+/-0.013 χ^2/NDF: 1816617.9/38

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 85.829+/-0.010 χ^2/NDF: 1849018.2/58

All: 86.271+/-0.007 χ^2/NDF: 4268156.5/120

- sign 86.729+/-0.010 χ^2/NDF: 2414775.5/61



Right In: 569.507+/-135.545 χ^2/NDF: 38.9/33

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 1050.907+/-134.245 χ^2/NDF: 97.3/38

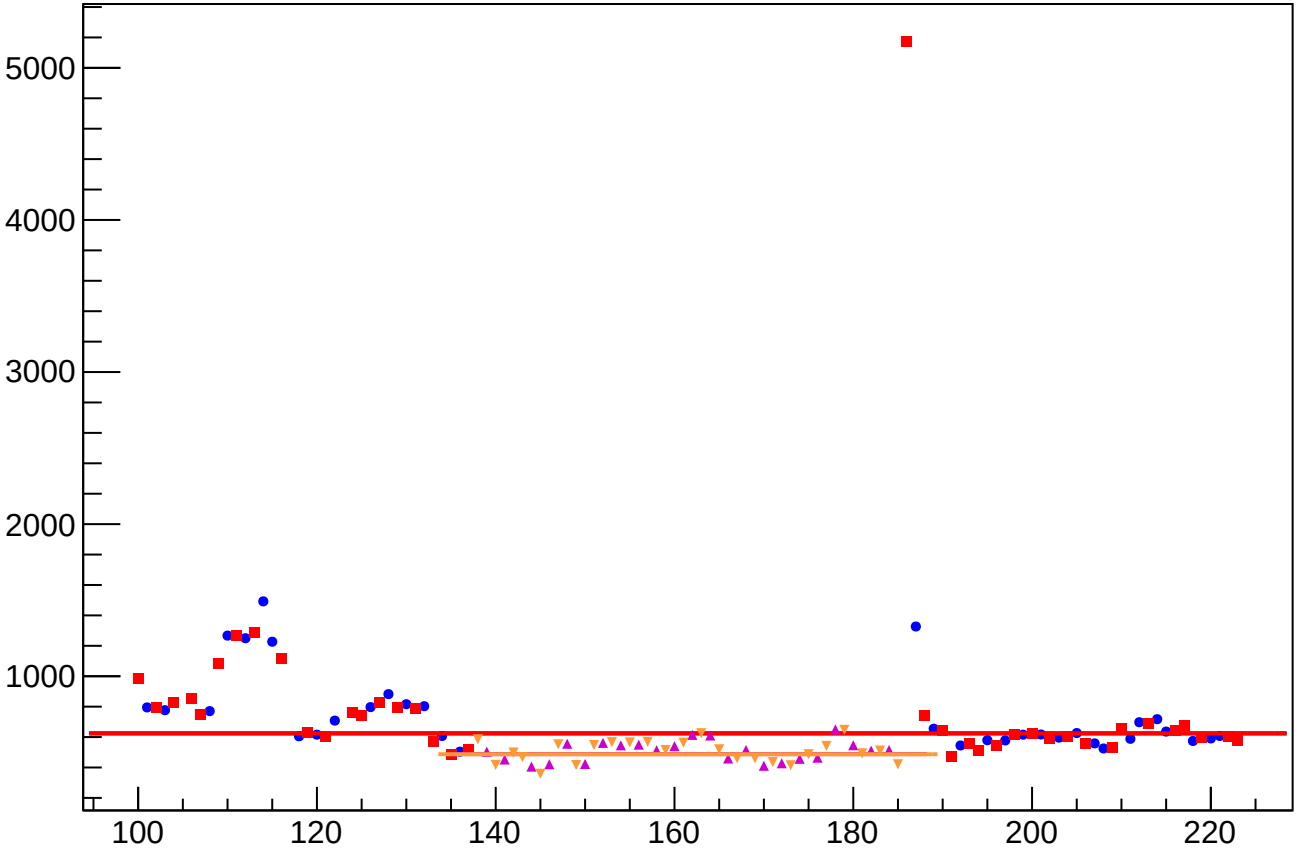
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 478.753+/-86.493 χ^2/NDF: 72.1/58

All: 481.837+/-61.519 χ^2/NDF: 227.8/120

- sign 484.995+/-87.519 χ^2/NDF: 155.8/61

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 624.544+/-0.096 χ^2/NDF: 1396215.1/33

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 623.865+/-0.095 χ^2/NDF: 2231217.1/38

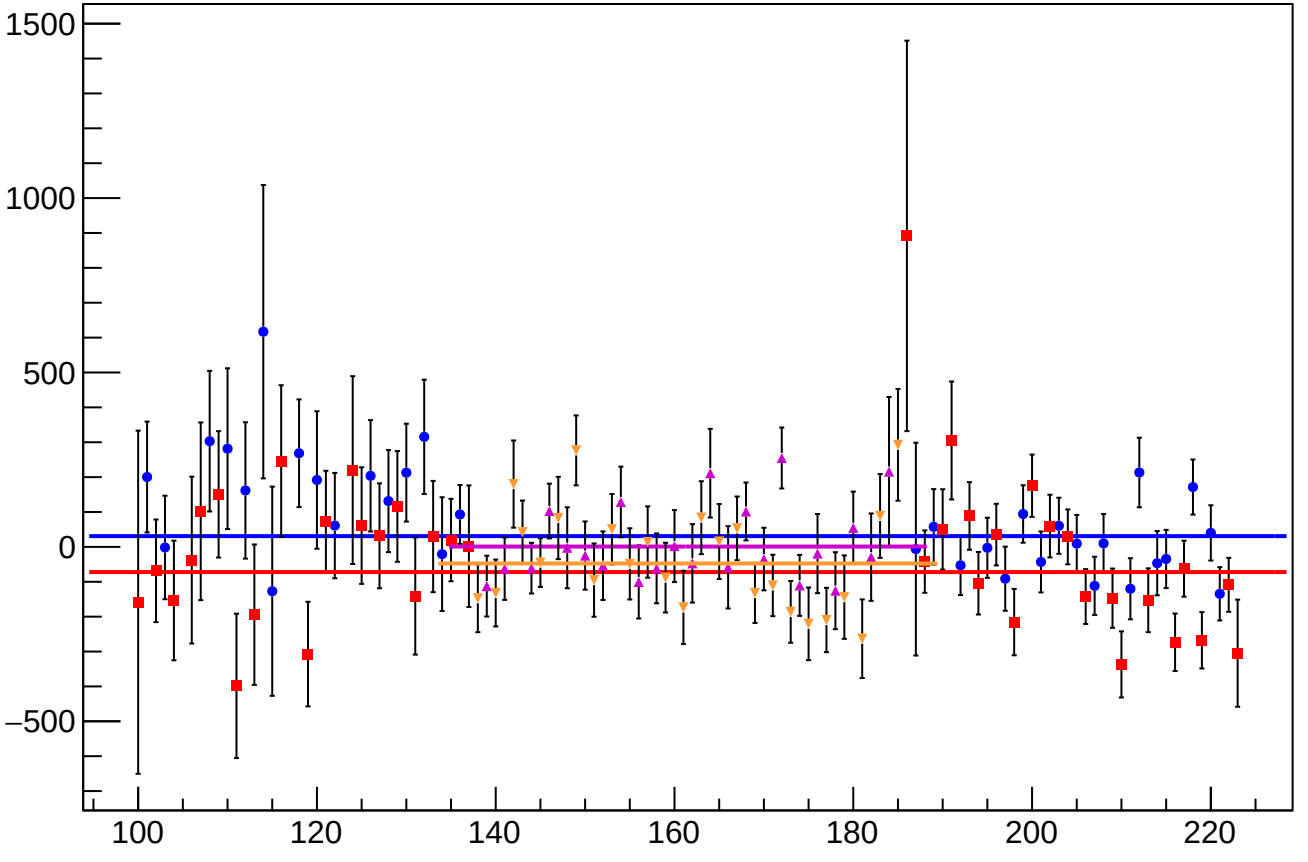
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 543.054+/-0.061 χ^2/NDF: 3436905.0/58

All: 544.364+/-0.044 χ^2/NDF: 7482413.8/120

- sign 545.705+/-0.062 χ^2/NDF: 4044579.9/61

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 30.886+/-18.349 χ^2/NDF: 39.9/33

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -72.186+/-18.451 χ^2/NDF: 67.6/38

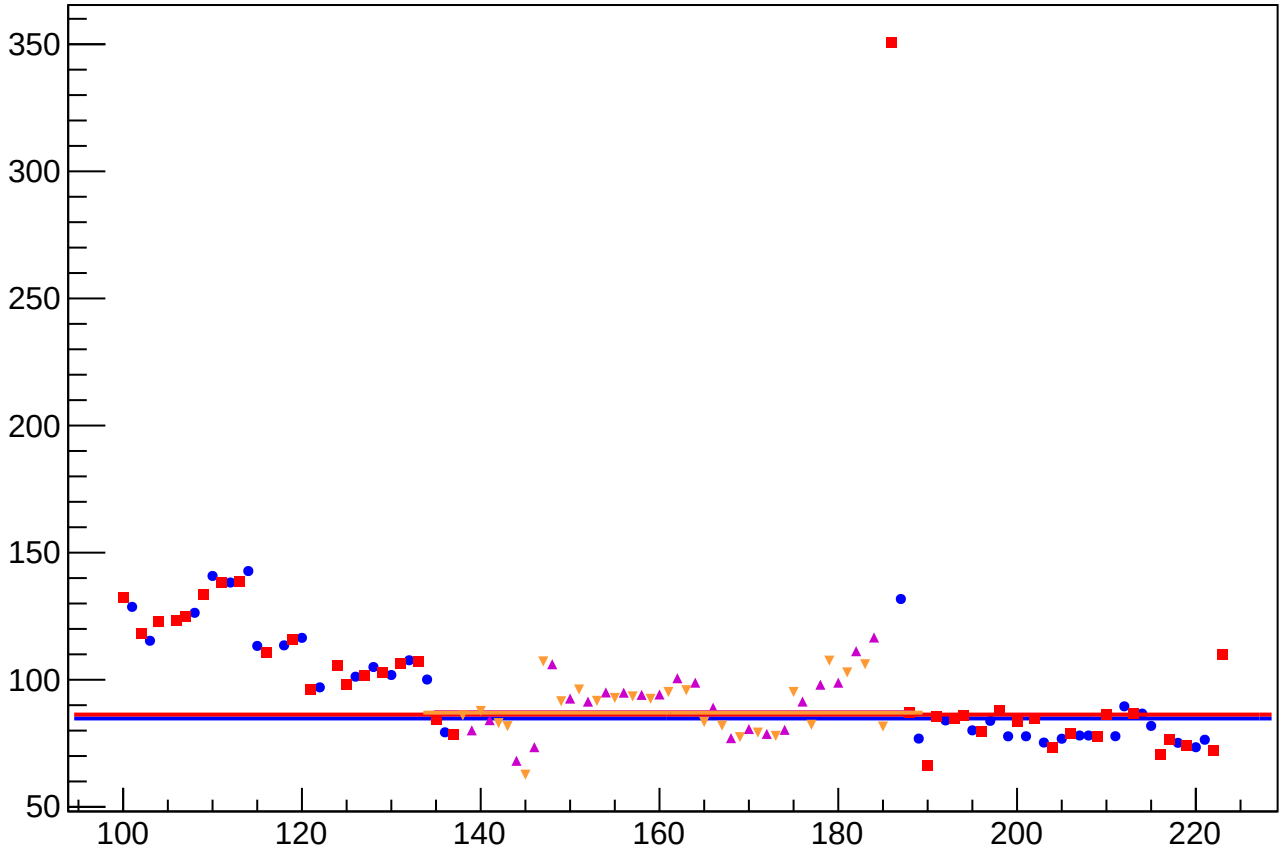
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.986+/-13.515 χ^2/NDF: 92.2/58

All: -22.011+/-9.637 χ^2/NDF: 195.5/120

- sign -39.619+/-13.745 χ^2/NDF: 100.1/61

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 84.780+/-0.013 χ^2/NDF: 1214123.4/33

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

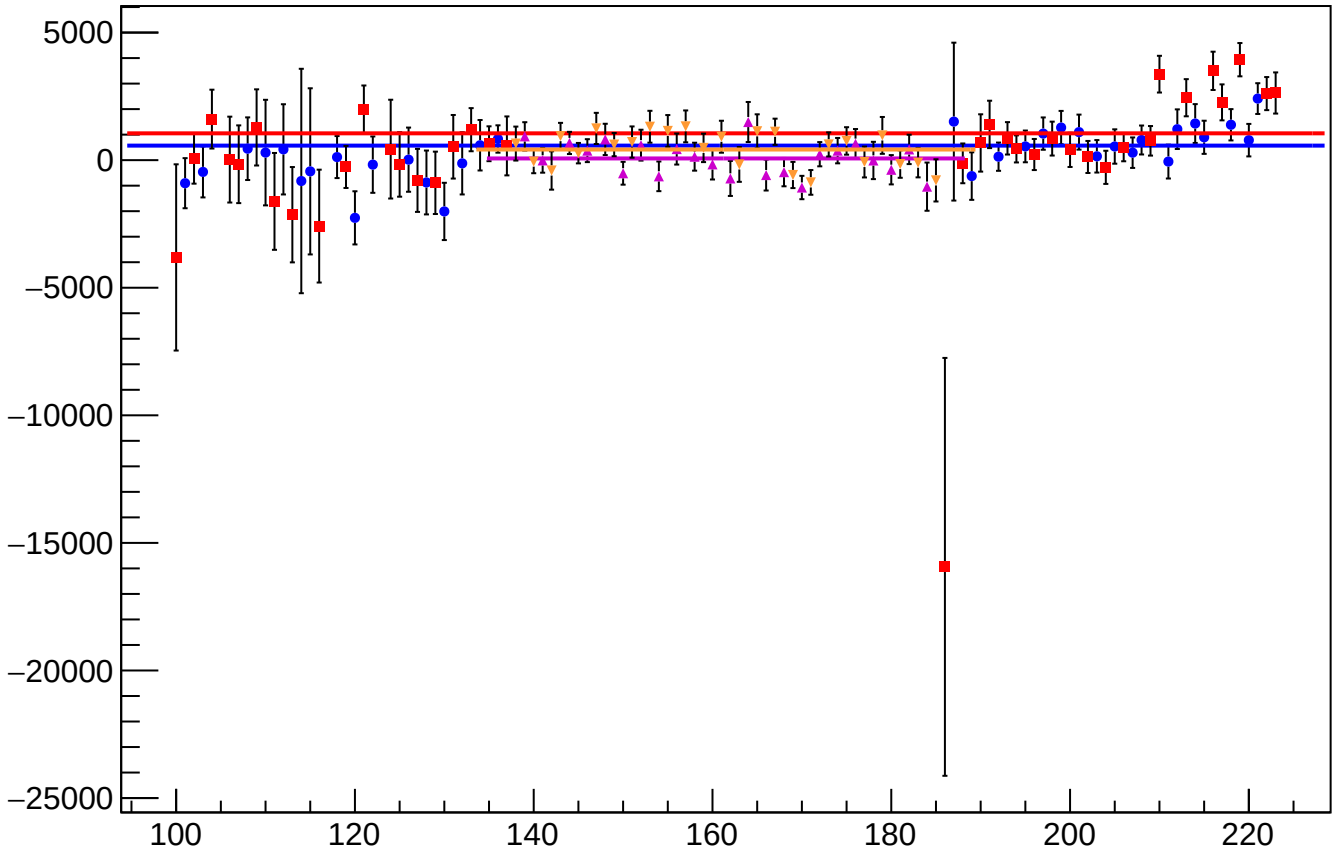
Right Out: 86.306+/-0.013 χ^2/NDF: 1816617.9/38

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 85.829+/-0.010 χ^2/NDF: 1849018.2/58

All: 86.271+/-0.007 χ^2/NDF: 4268156.5/120

- sign 86.729+/-0.010 χ^2/NDF: 2414775.5/61



Right In: 569.507+/-135.545 χ^2/NDF: 38.9/33

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

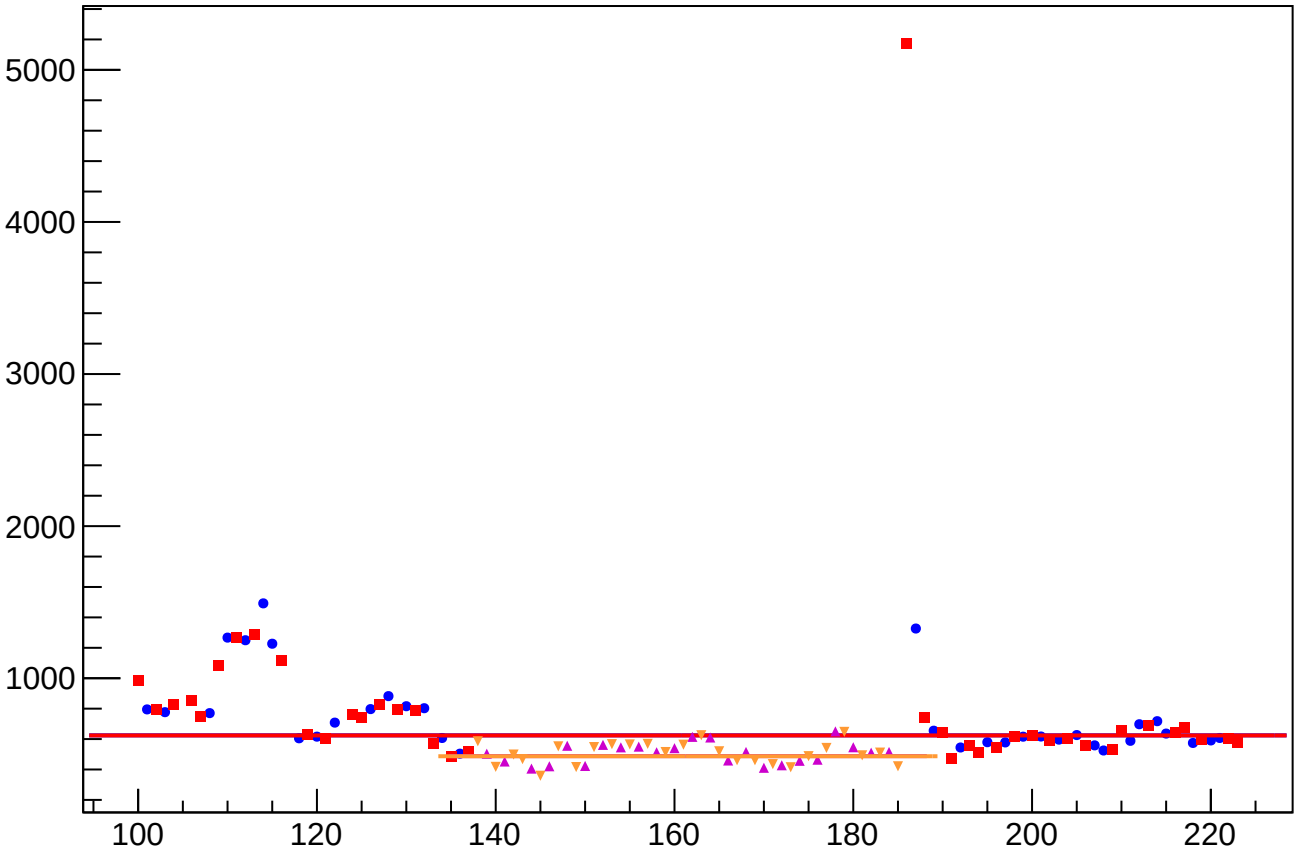
Right Out: 1050.907+/-134.245 χ^2/NDF: 97.3/38

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 478.753+/-86.493 χ^2/NDF: 72.1/58

All: 481.837+/-61.519 χ^2/NDF: 227.8/120

- sign 484.995+/-87.519 χ^2/NDF: 155.8/61



Right In: 624.544+/-0.096 χ^2/NDF: 1396215.1/33

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 623.865+/-0.095 χ^2/NDF: 2231217.1/38

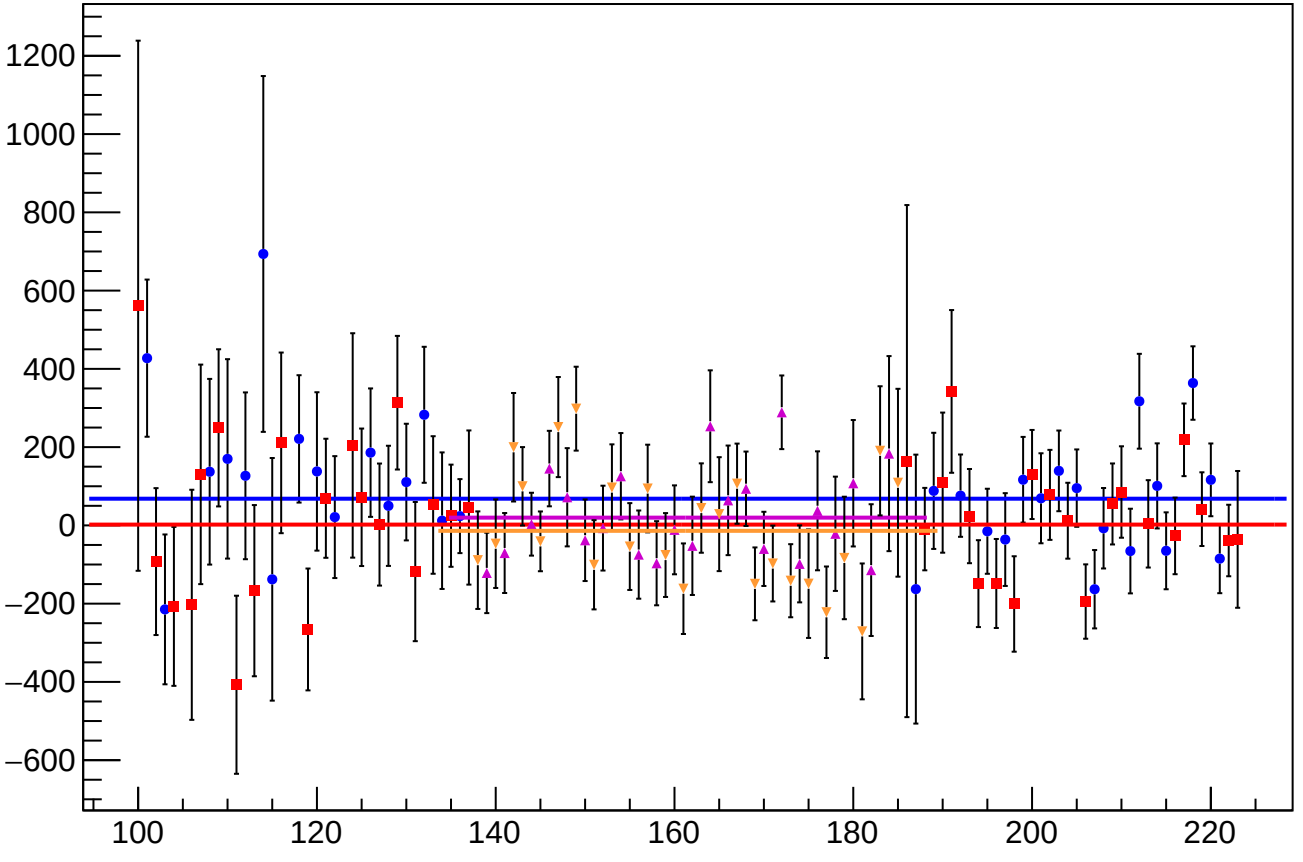
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 543.054+/-0.061 χ^2/NDF: 3436905.0/58

All: 544.364+/-0.044 χ^2/NDF: 7482413.8/120

- sign 545.705+/-0.062 χ^2/NDF: 4044579.9/61

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 68.196+/-21.940 χ^2/NDF: 40.9/33

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 2.020+/-22.035 χ^2/NDF: 38.8/38

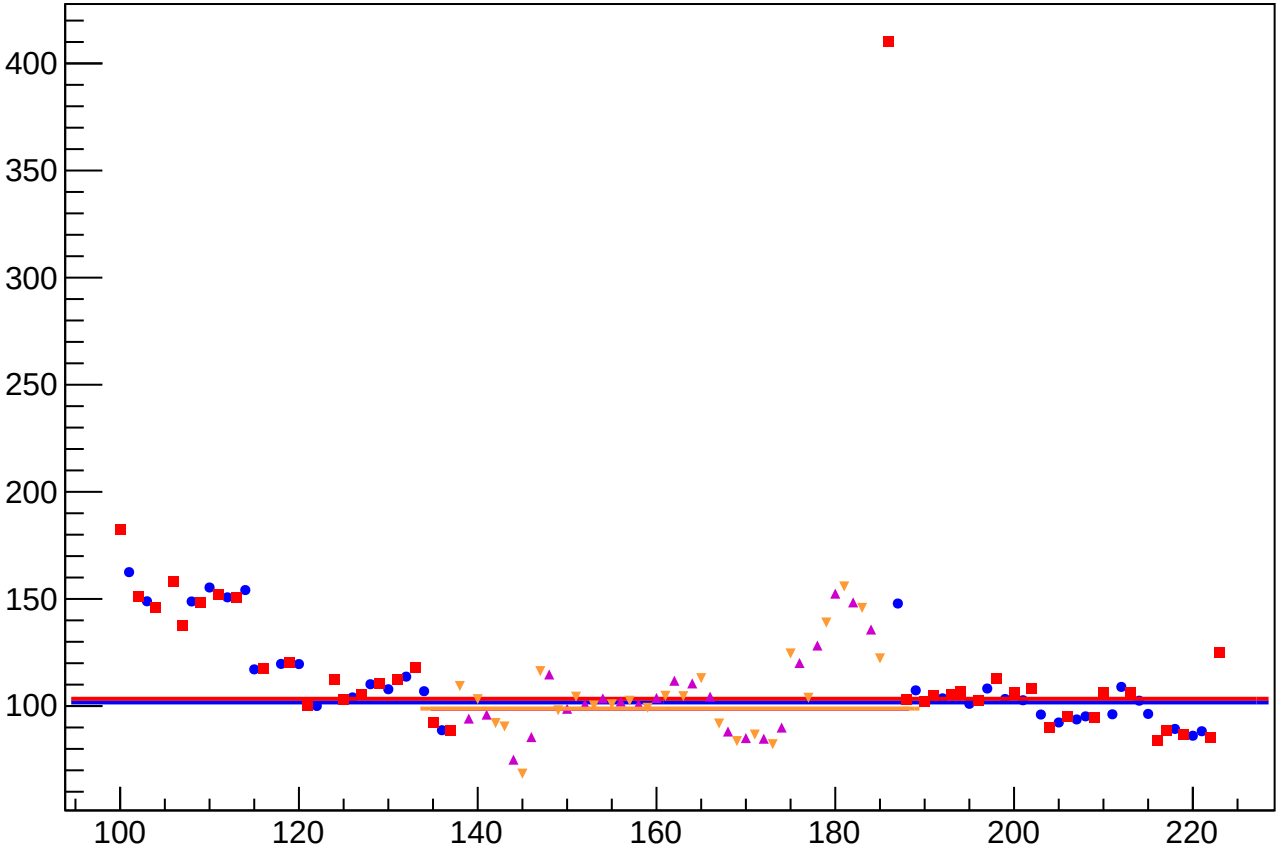
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 28.932+/-15.848 χ^2/NDF: 84.0/58

All: 19.768+/-11.293 χ^2/NDF: 147.1/120

\- sign 10.314+/-16.097 χ^2/NDF: 62.5/61

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 101.688+/-0.016 χ^2/NDF: 955915.4/33

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

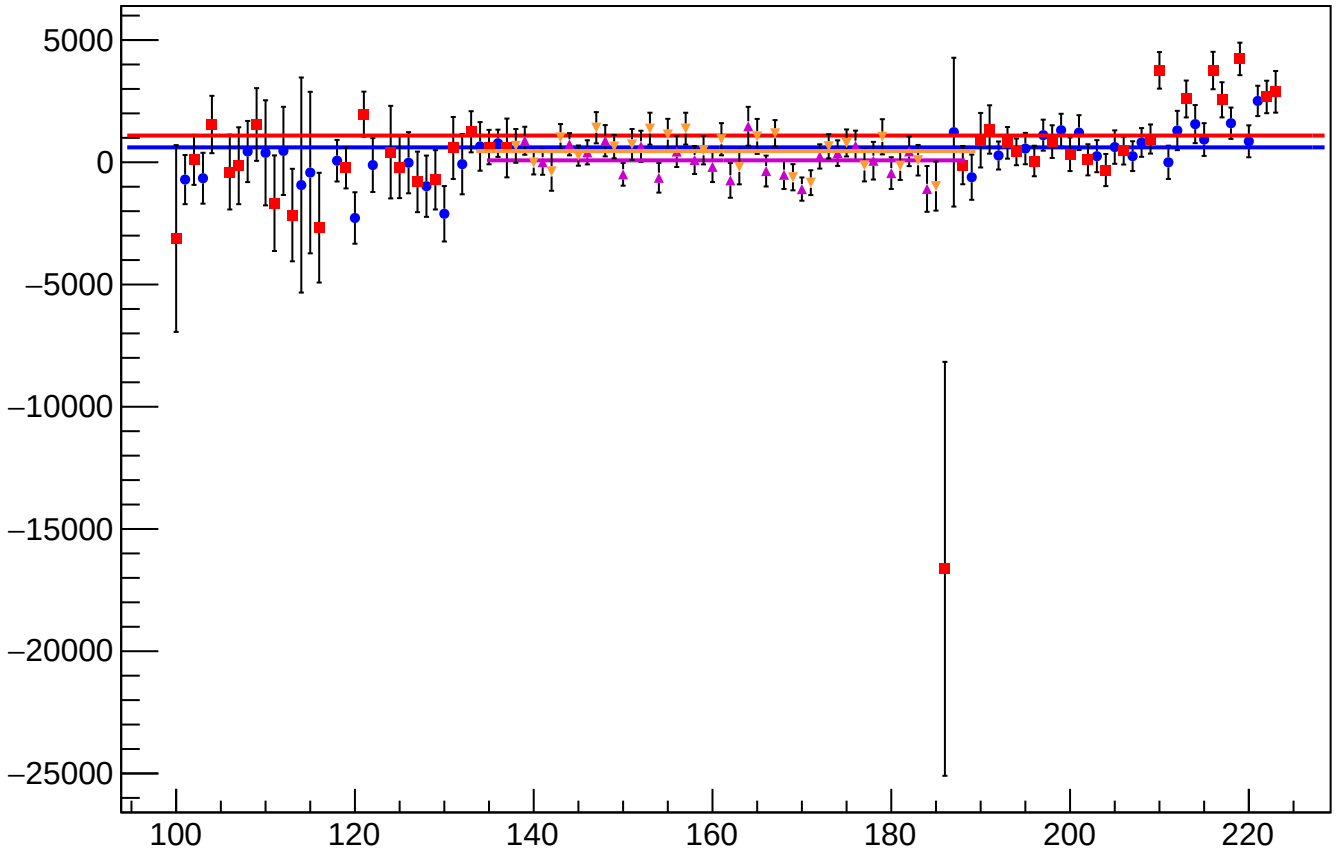
Right Out: 103.400+/-0.016 χ^2/NDF: 1542015.1/38

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 100.306+/-0.011 χ^2/NDF: 2158306.8/58

All: 100.744+/-0.008 χ^2/NDF: 4734172.5/120

- sign 101.196+/-0.011 χ^2/NDF: 2572764.0/61



Right In: 610.364+/-139.099 χ^2/NDF: 40.3/33

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 1093.358+/-137.013 χ^2/NDF: 107.8/38

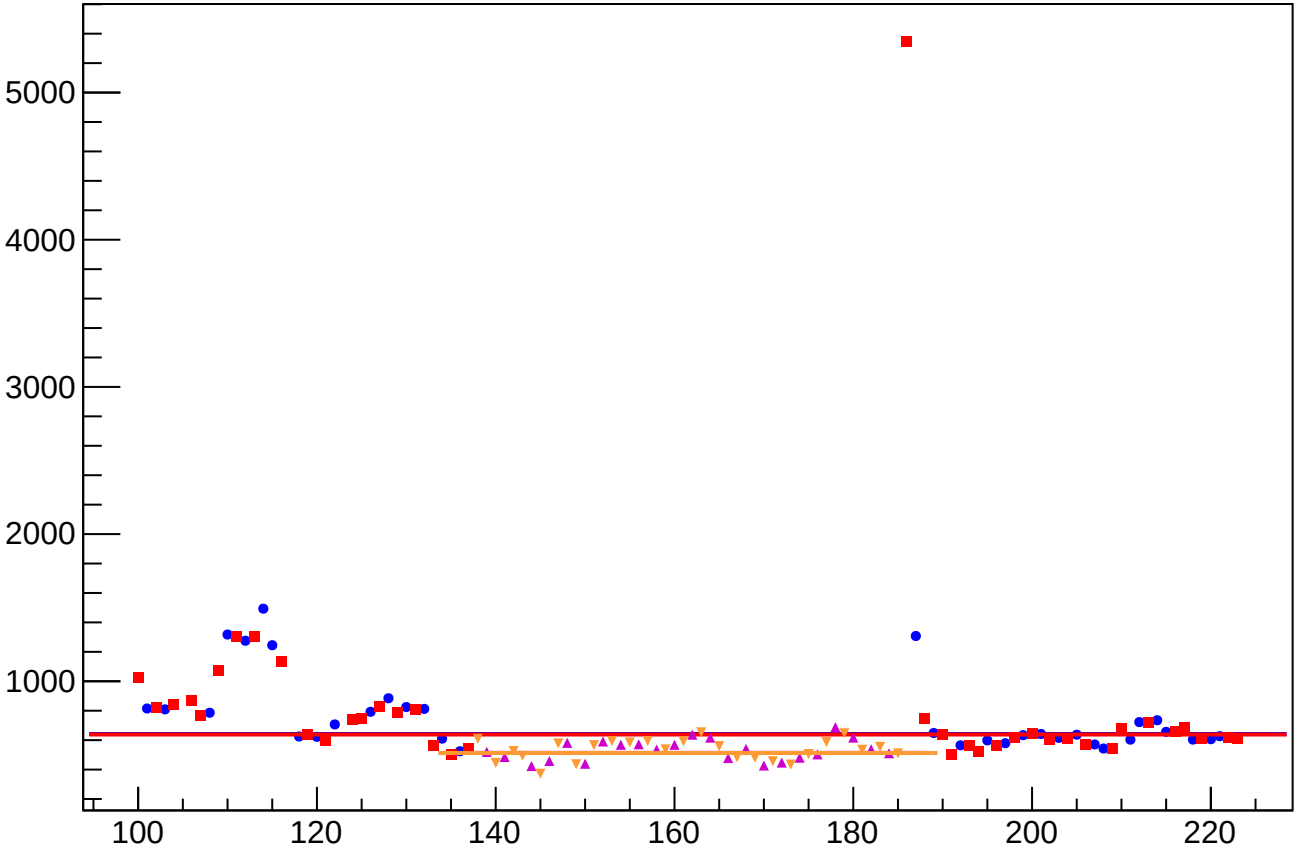
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 522.467+/-90.033 χ^2/NDF: 71.7/58

All: 523.795+/-63.960 χ^2/NDF: 236.5/120

\- sign 525.148+/-90.879 χ^2/NDF: 164.8/61

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 641.738+/-0.098 χ^2/NDF: 1335474.2/33

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 638.314+/-0.097 χ^2/NDF: 2174618.3/38

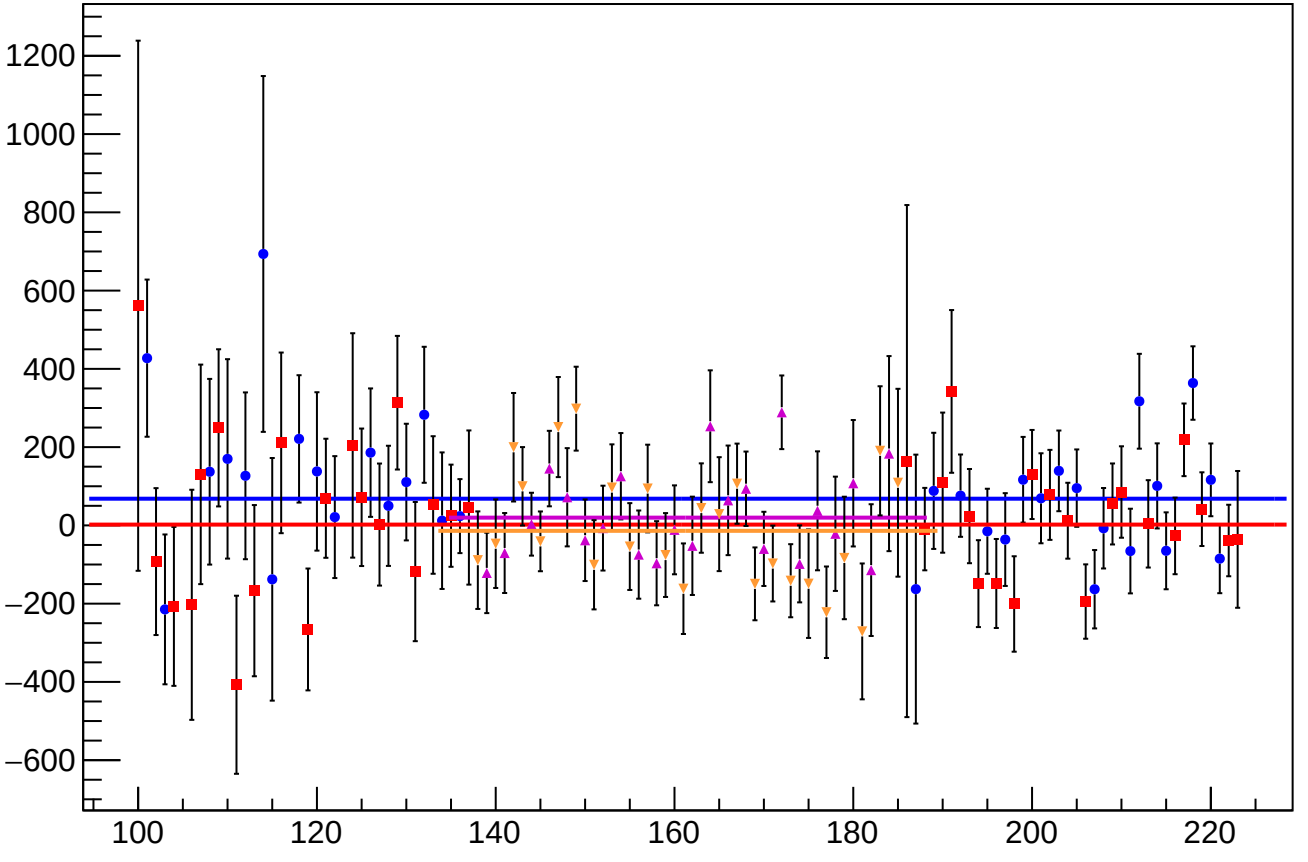
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 566.799+/-0.064 χ^2/NDF: 3133730.1/58

All: 567.563+/-0.045 χ^2/NDF: 6874024.5/120

- sign 568.341+/-0.064 χ^2/NDF: 3740003.7/61

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 68.195+/-21.940 χ^2/NDF: 40.9/33

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 2.018+/-22.035 χ^2/NDF: 38.8/38

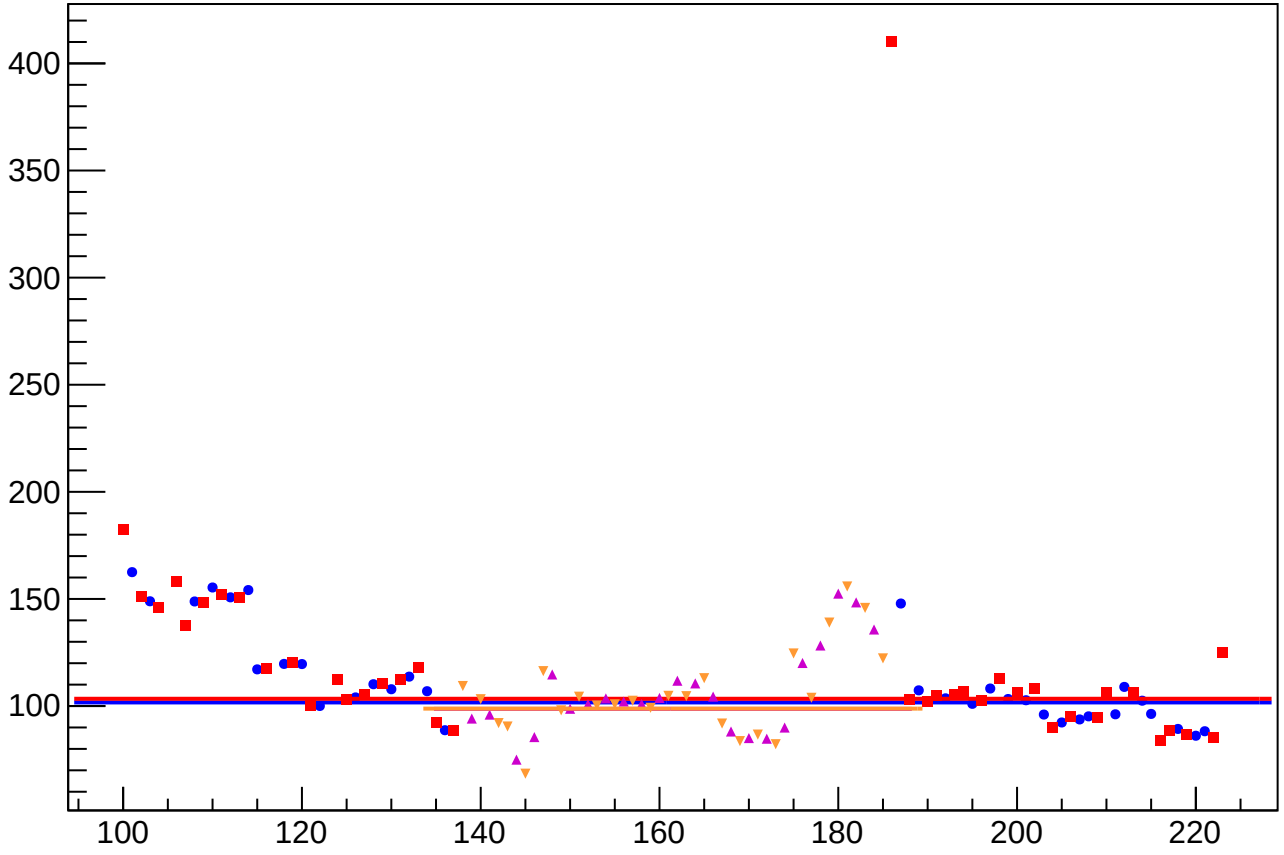
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 28.931+/-15.848 χ^2/NDF: 84.0/58

All: 19.767+/-11.293 χ^2/NDF: 147.1/120

- sign 10.313+/-16.097 χ^2/NDF: 62.5/61

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 101.688+/-0.016 χ^2/NDF: 955911.2/33

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

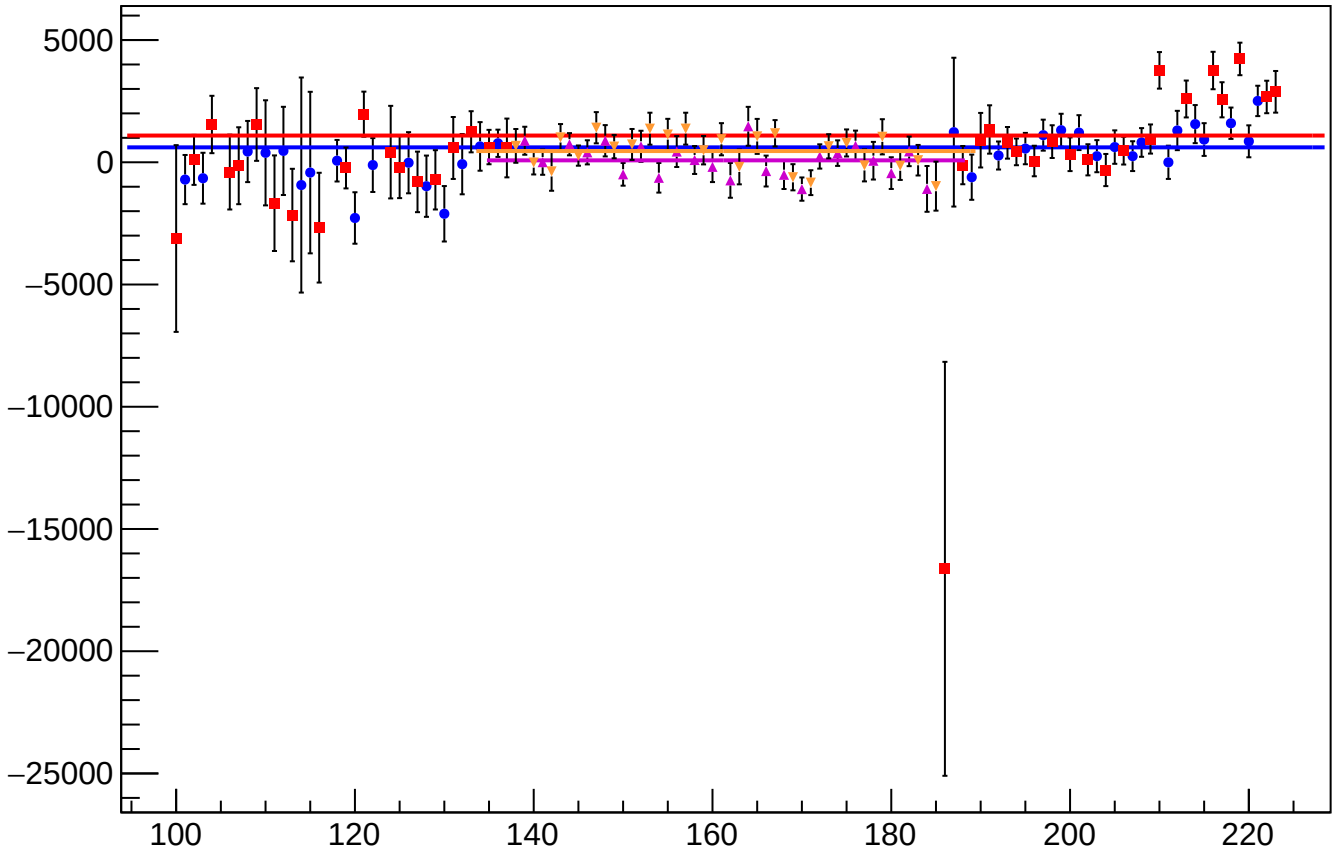
Right Out: 103.400+/-0.016 χ^2/NDF: 1542012.4/38

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 100.306+/-0.011 χ^2/NDF: 2158307.2/58

All: 100.744+/-0.008 χ^2/NDF: 4734162.1/120

- sign 101.196+/-0.011 χ^2/NDF: 2572753.0/61



Right In: 610.364+/-139.099 χ^2/NDF: 40.3/33

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: 1093.356+/-137.013 χ^2/NDF: 107.8/38

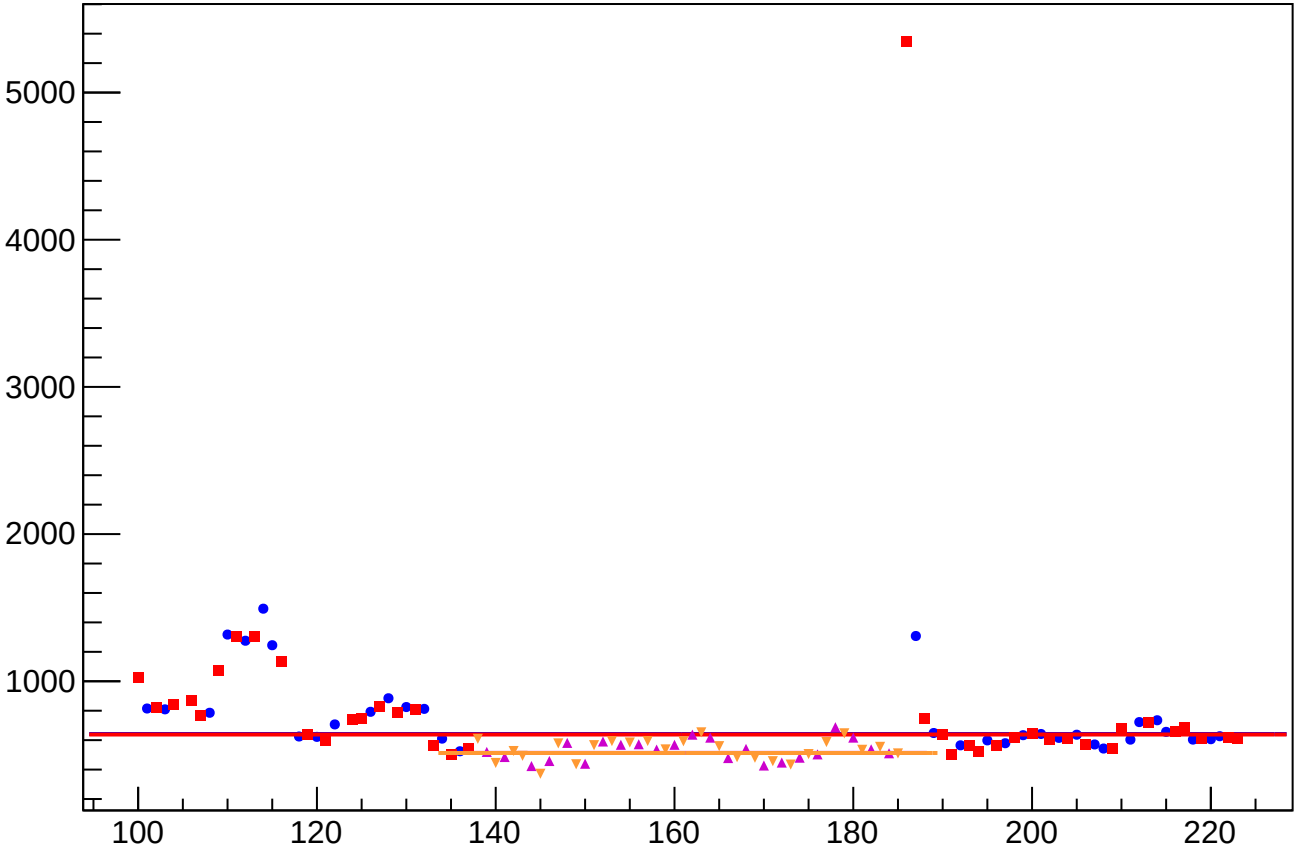
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 522.466+/-90.033 χ^2/NDF: 71.7/58

All: 523.794+/-63.960 χ^2/NDF: 236.5/120

\- sign 525.147+/-90.879 χ^2/NDF: 164.8/61

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 641.737+/-0.098 χ^2/NDF: 1335470.9/33

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 638.313+/-0.097 χ^2/NDF: 2174615.6/38

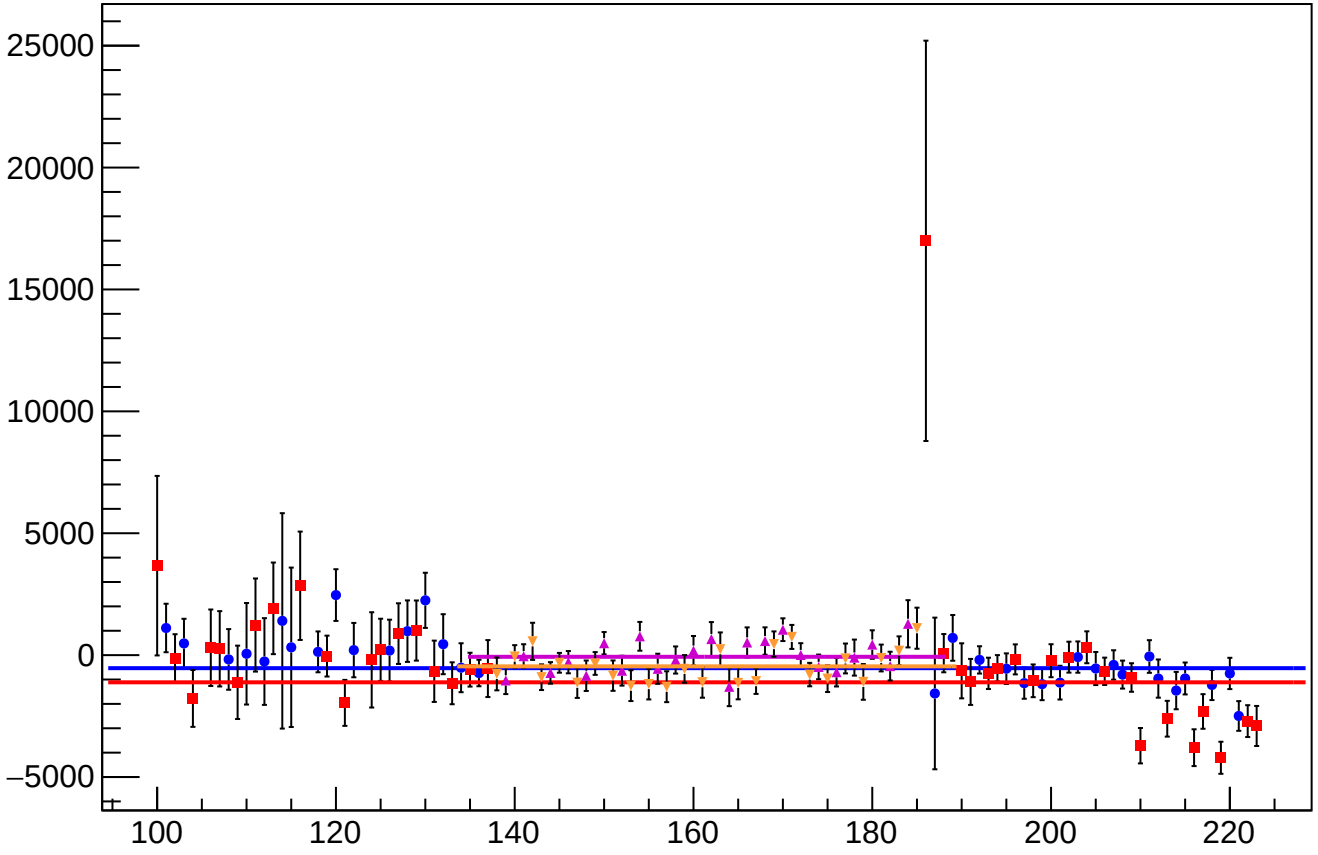
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 566.799+/-0.064 χ^2/NDF: 3133718.1/58

All: 567.562+/-0.045 χ^2/NDF: 6873995.5/120

- sign 568.341+/-0.064 χ^2/NDF: 3739986.7/61

asym_sam_26_48_dd_mean vs Slug



Right In: -534.522+/-136.922 χ^2/NDF: 41.9/33

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -1114.957+/-135.602 χ^2/NDF: 108.5/38

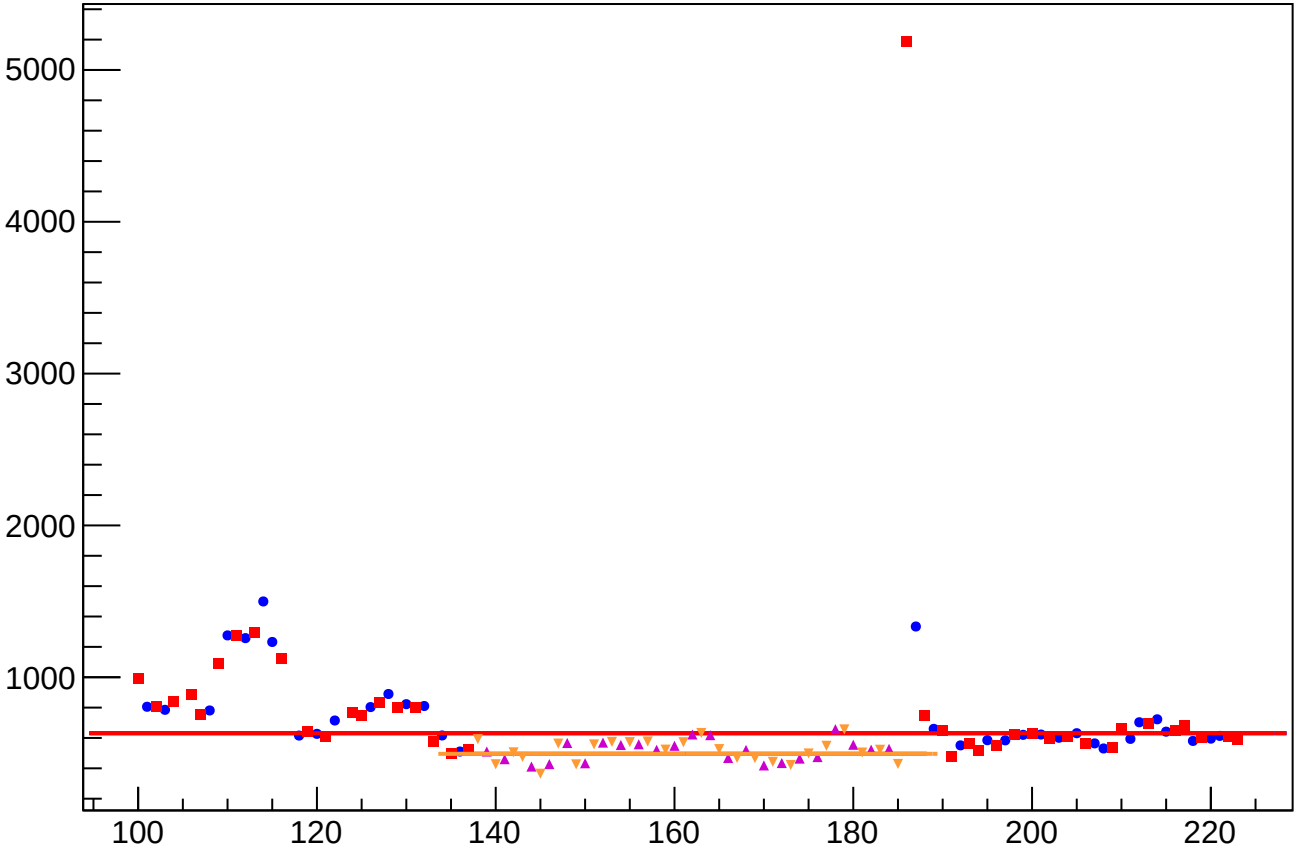
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -490.502+/-87.715 χ^2/NDF: 72.9/58

All: -503.310+/-62.384 χ^2/NDF: 244.1/120

- sign -516.420+/-88.743 χ^2/NDF: 171.2/61

asym_sam_26_48_dd_rms vs Slug



Right In: 631.047+/-0.097 χ^2/NDF: 1383896.8/33

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

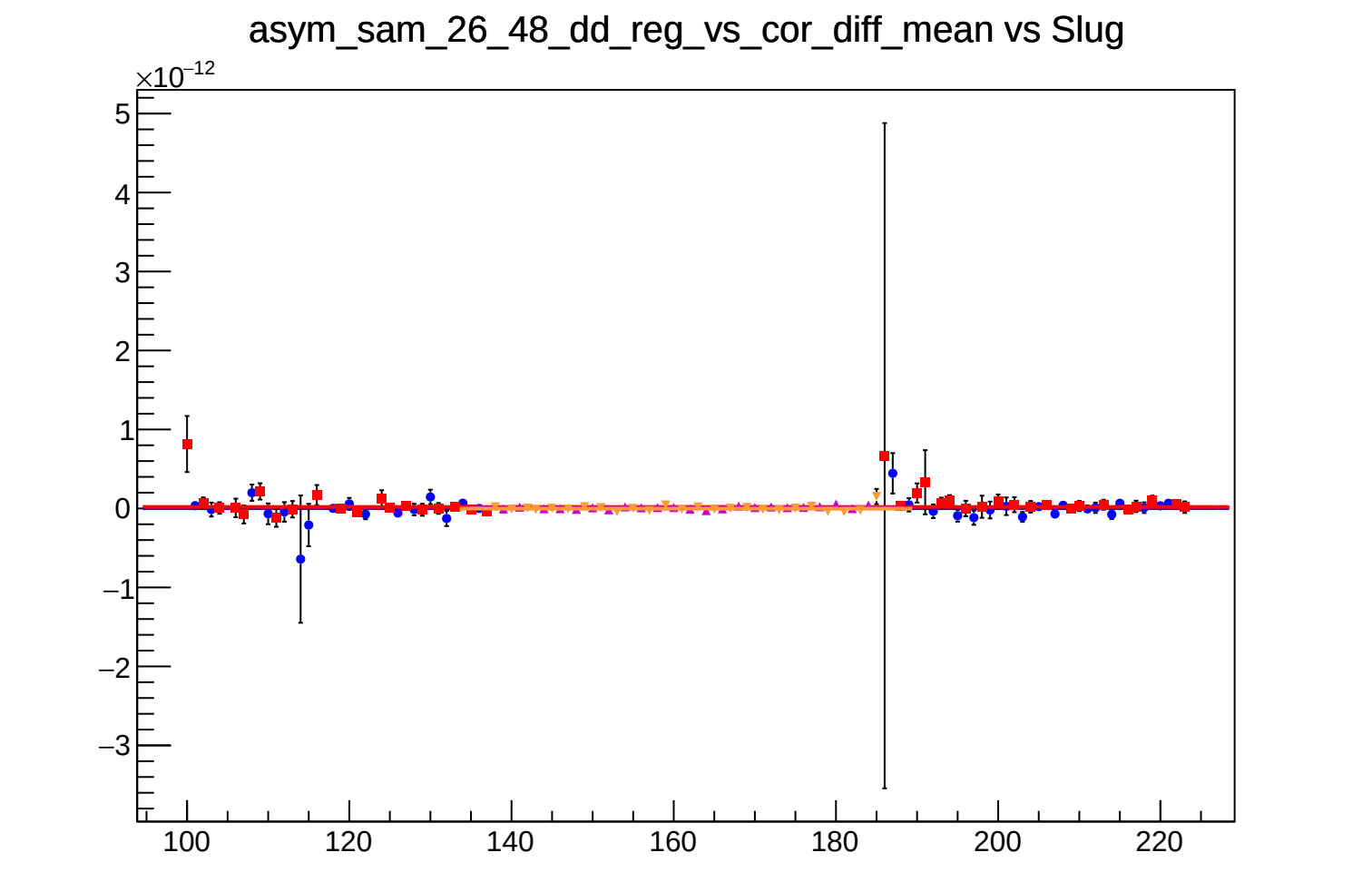
Right Out: 631.233+/-0.096 χ^2/NDF: 2223211.5/38

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 551.136+/-0.062 χ^2/NDF: 3343963.5/58

All: 552.597+/-0.044 χ^2/NDF: 7322700.1/120

- sign 554.094+/-0.063 χ^2/NDF: 3977612.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

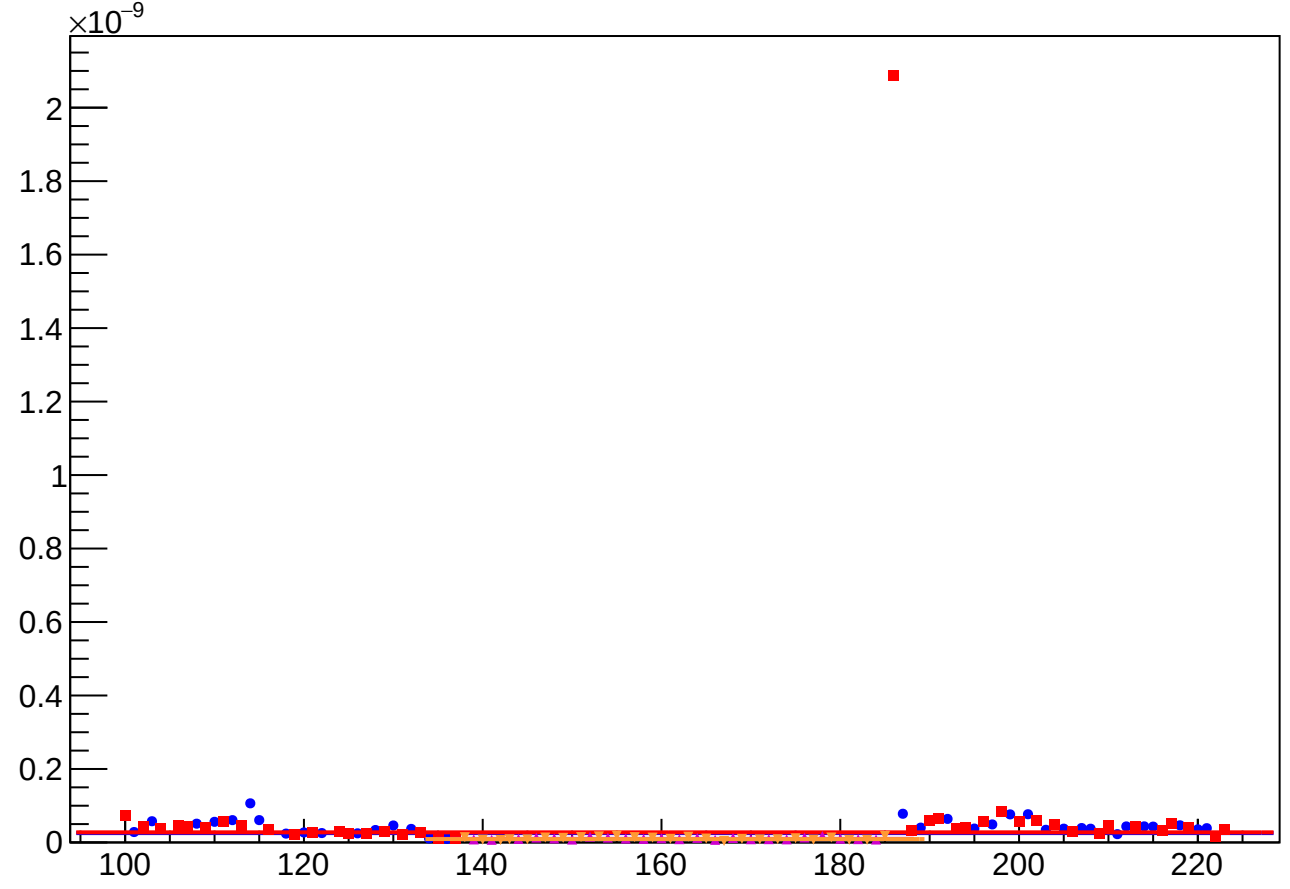
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/38

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/58

All: 0.000+/-0.000 χ^2/NDF: 111.1/120

- sign 0.000+/-0.000 χ^2/NDF: 46.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 6277831.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4997589.9/38

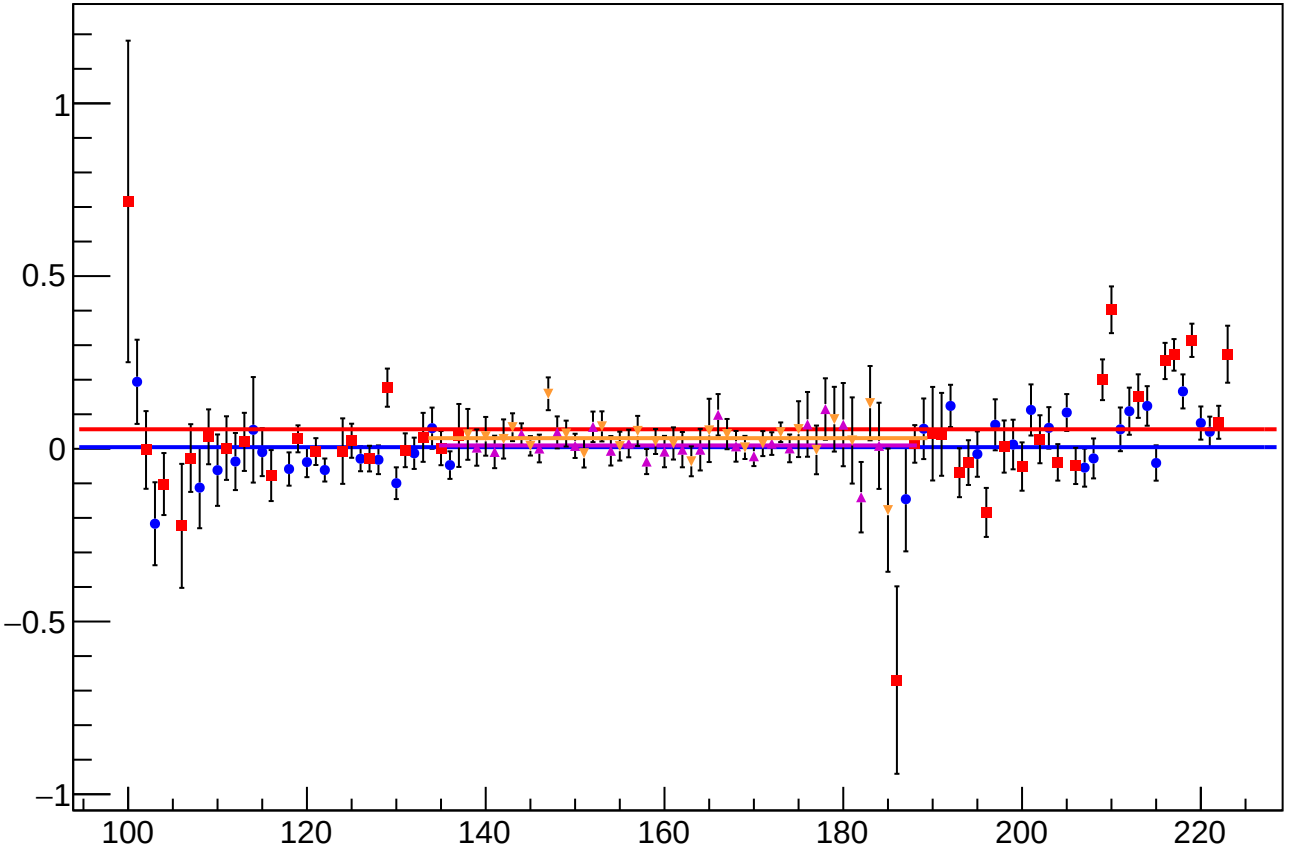
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13557853.3/58

All: 0.000+/-0.000 χ^2/NDF: 25065257.4/120

- sign 0.000+/-0.000 χ^2/NDF: 11454118.3/61

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.010 χ^2/NDF: 59.8/33

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.057+/-0.010 χ^2/NDF: 171.1/38

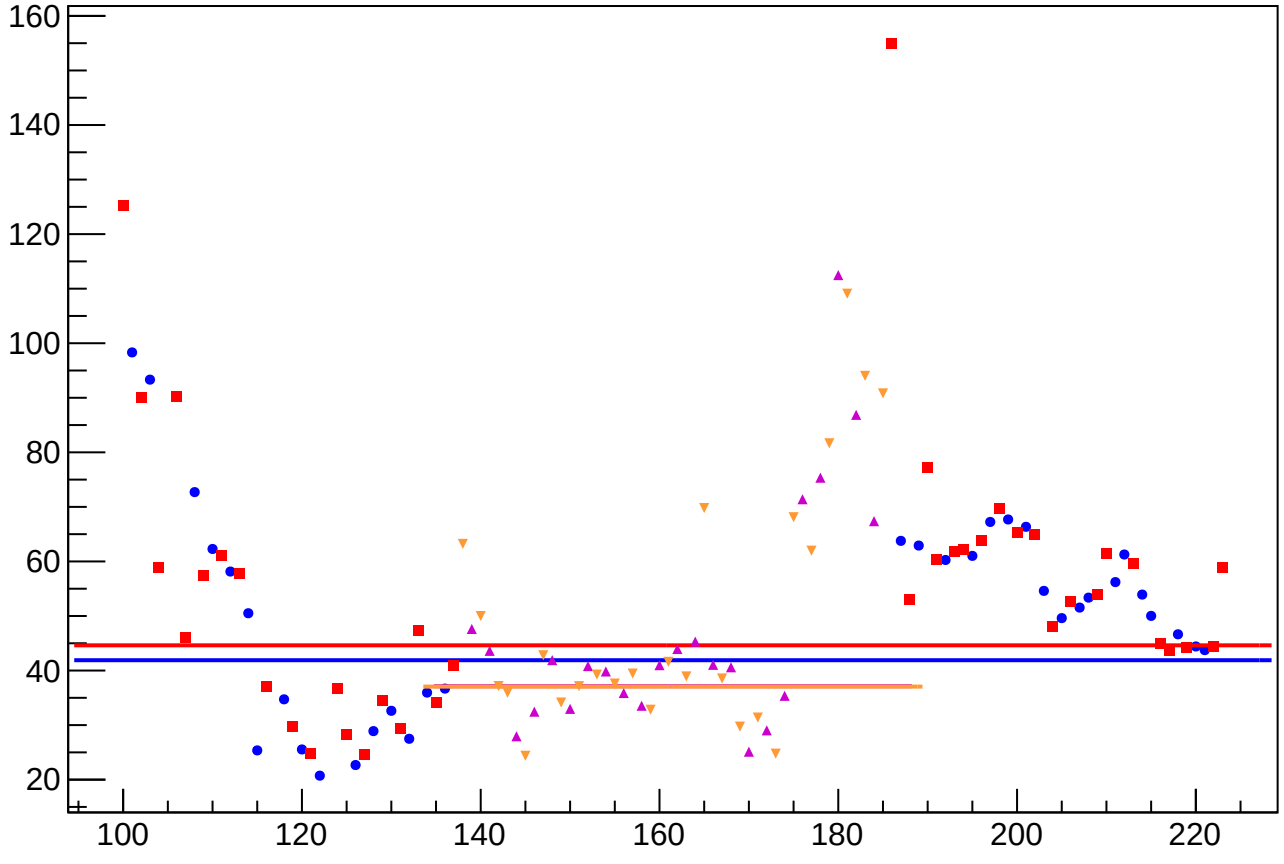
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.019+/-0.007 χ^2/NDF: 81.5/58

All: 0.025+/-0.005 χ^2/NDF: 279.4/120

- sign 0.032+/-0.007 χ^2/NDF: 196.0/61

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.893+/-0.007 χ^2/NDF: 5359608.5/33

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

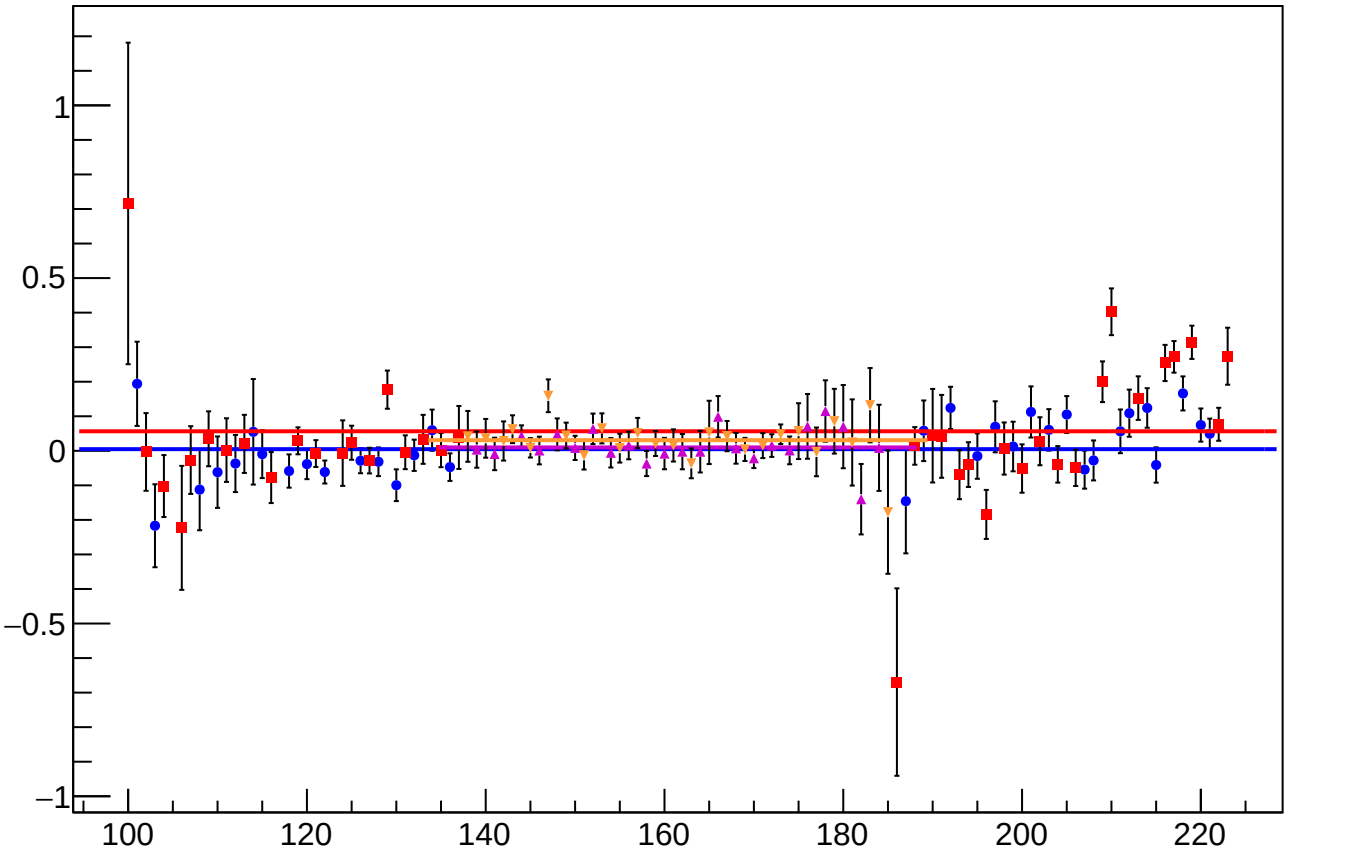
Right Out: 44.622+/-0.007 χ^2/NDF: 4648601.7/38

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 39.345+/-0.005 χ^2/NDF: 9679010.0/58

All: 39.971+/-0.003 χ^2/NDF: 17975911.9/120

- sign 40.637+/-0.005 χ^2/NDF: 8260060.6/61



Right In: 0.005+/-0.010 χ^2/NDF: 59.8/33

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

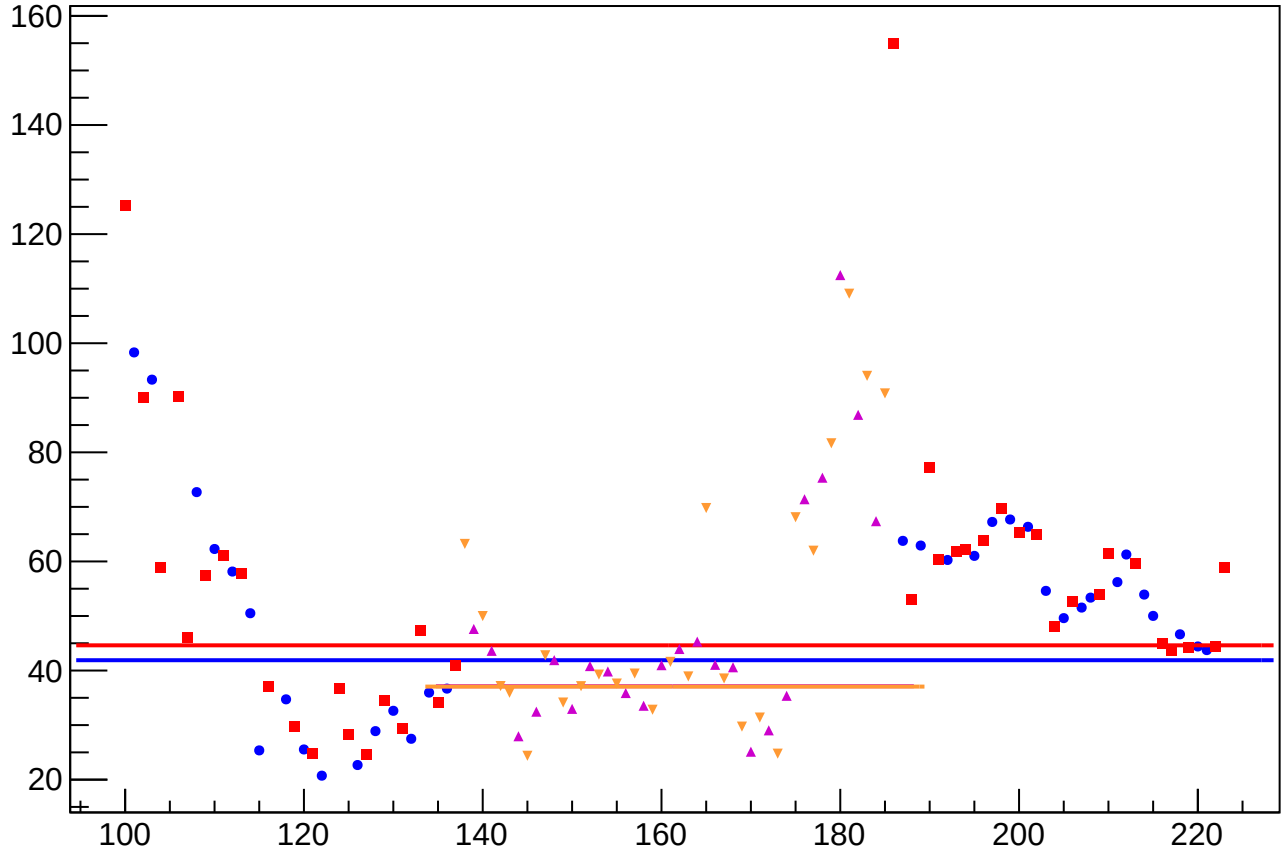
Right Out: 0.057+/-0.010 χ^2/NDF: 171.1/38

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.019+/-0.007 χ^2/NDF: 81.5/58

All: 0.025+/-0.005 χ^2/NDF: 279.4/120

- sign 0.032+/-0.007 χ^2/NDF: 196.0/61



Right In: 41.893+/-0.007 χ^2/NDF: 5359608.5/33

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

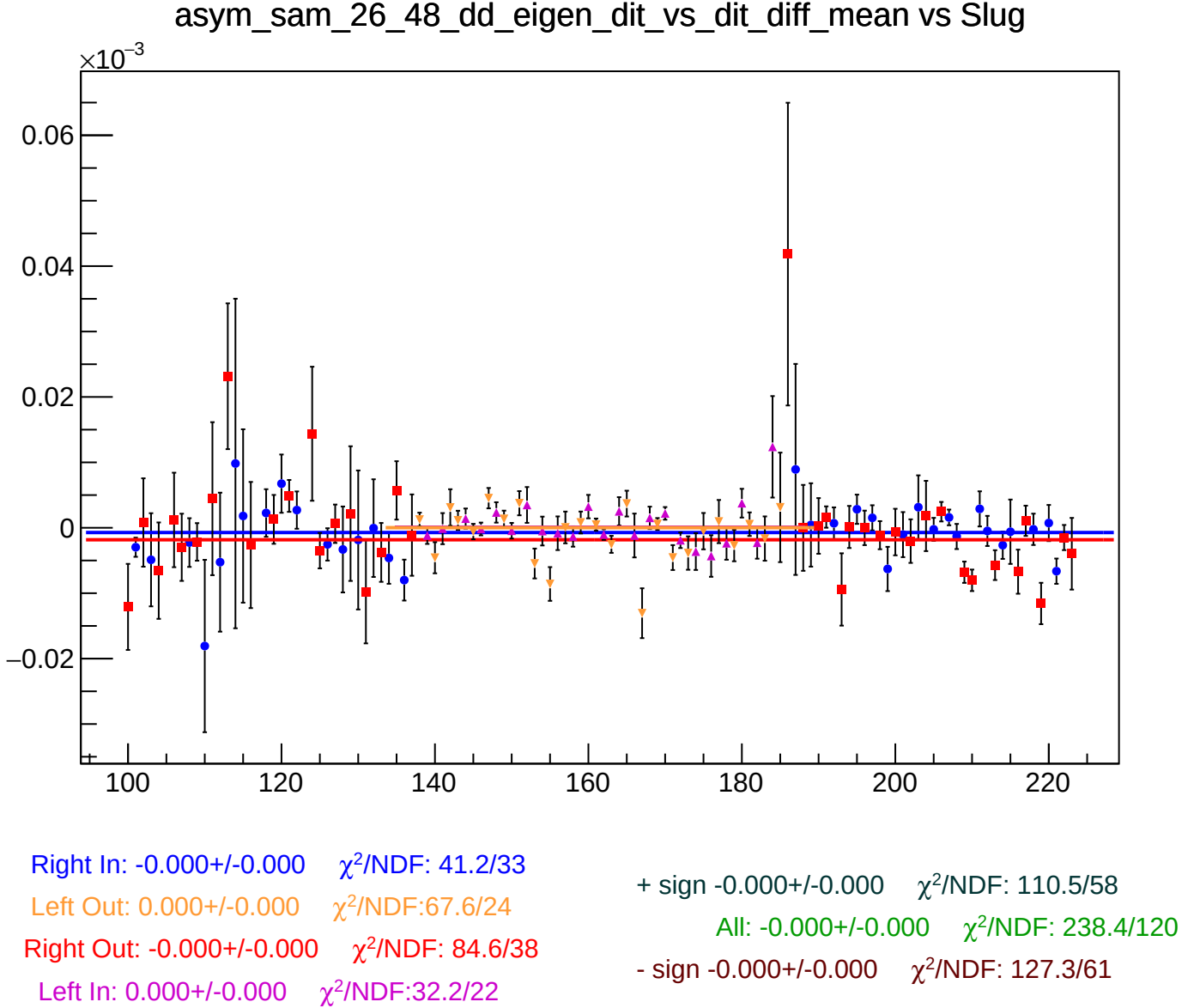
Right Out: 44.622+/-0.007 χ^2/NDF: 4648601.7/38

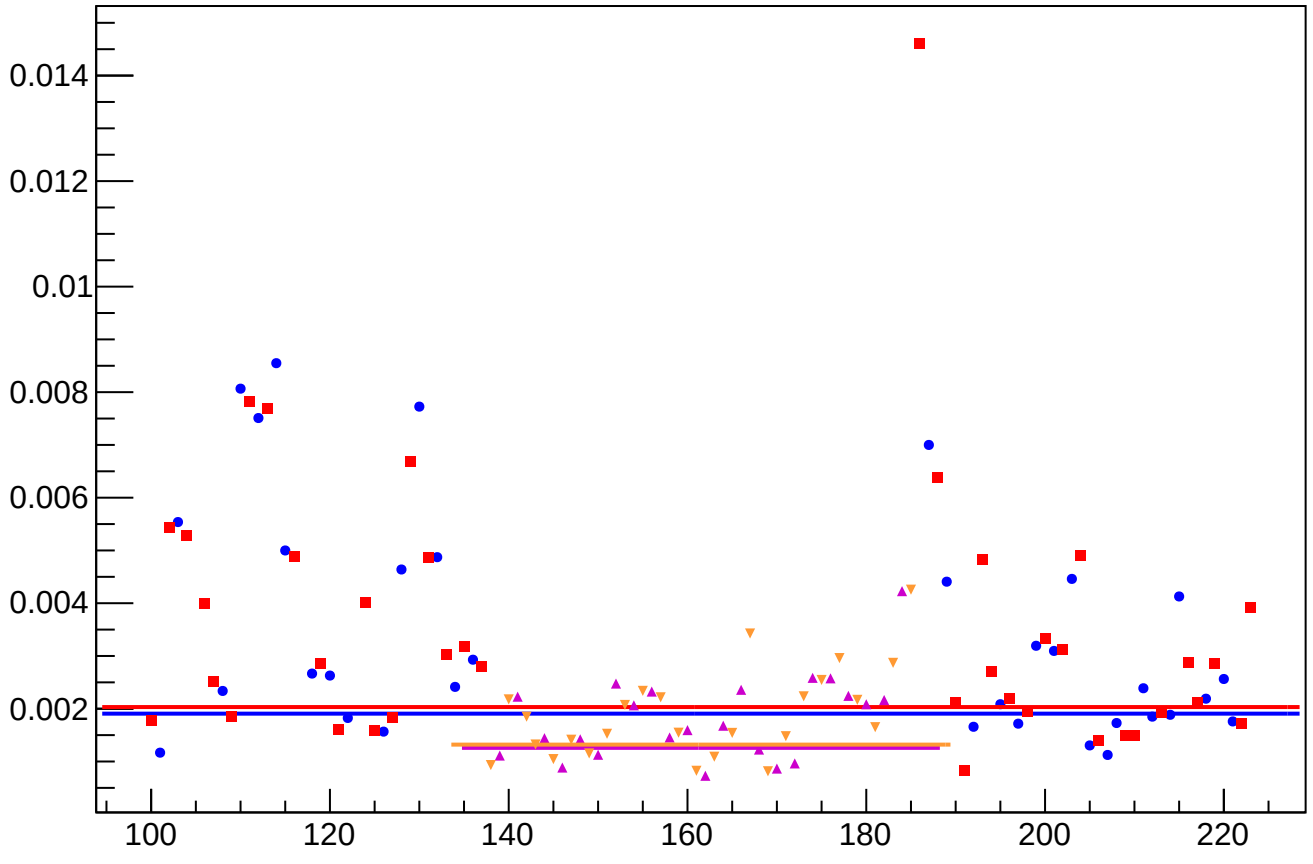
Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 39.345+/-0.005 χ^2/NDF: 9679010.0/58

All: 39.971+/-0.003 χ^2/NDF: 17975911.9/120

- sign 40.637+/-0.005 χ^2/NDF: 8260060.6/61


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 41.2/33
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 84.6/38
Left In: 0.000+/-0.000 χ²/NDF:32.2/22
+ sign -0.000+/-0.000 χ²/NDF: 110.5/58
All: -0.000+/-0.000 χ²/NDF: 238.4/120
- sign -0.000+/-0.000 χ²/NDF: 127.3/61



Right In: 0.002+/-0.000 χ^2/NDF: 7353436.1/33

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

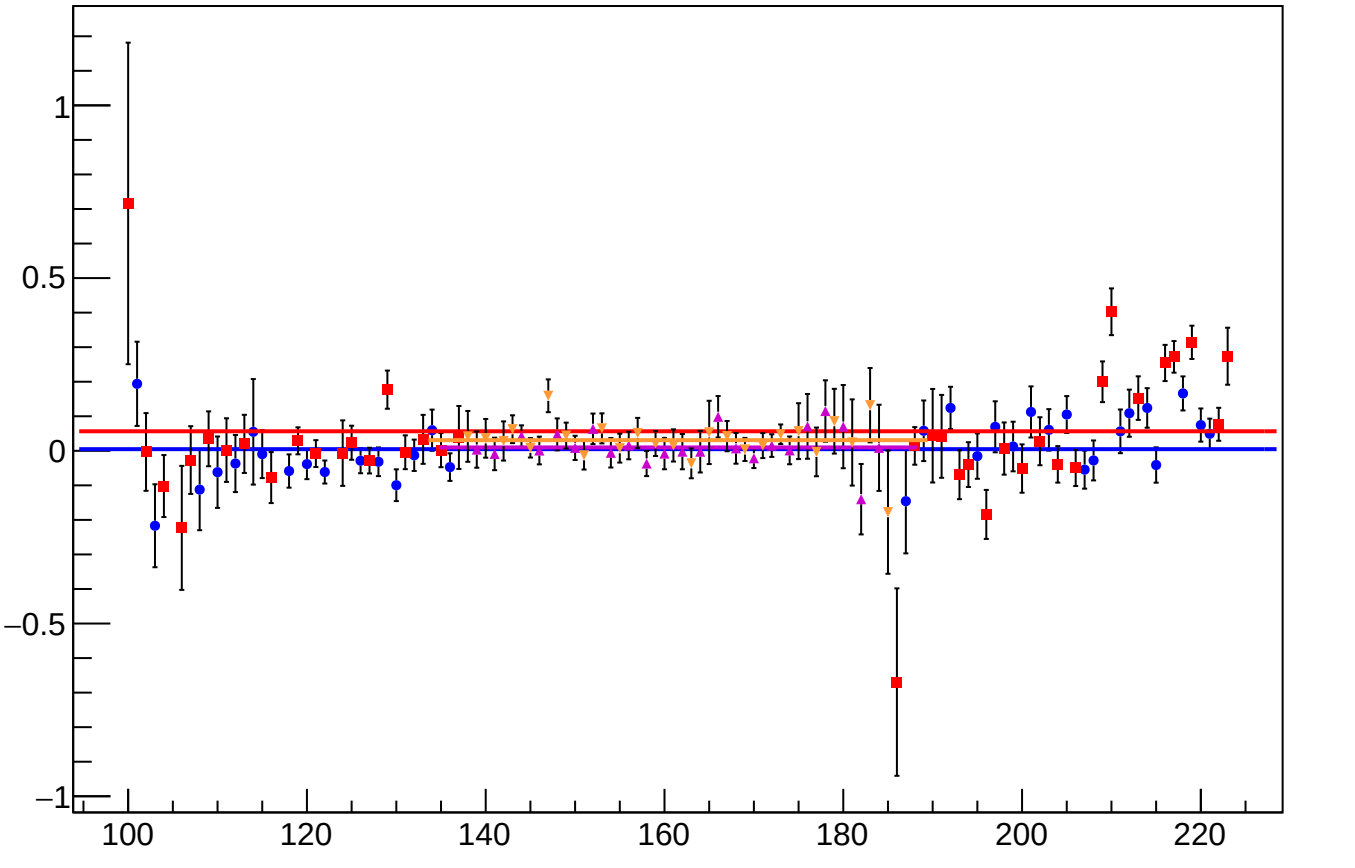
Right Out: 0.002+/-0.000 χ^2/NDF: 9075289.6/38

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.002+/-0.000 χ^2/NDF: 15075861.8/58

All: 0.002+/-0.000 χ^2/NDF: 32950357.4/120

- sign 0.001+/-0.000 χ^2/NDF: 17869803.4/61



Right In: 0.005+/-0.010 χ^2/NDF: 59.8/33

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

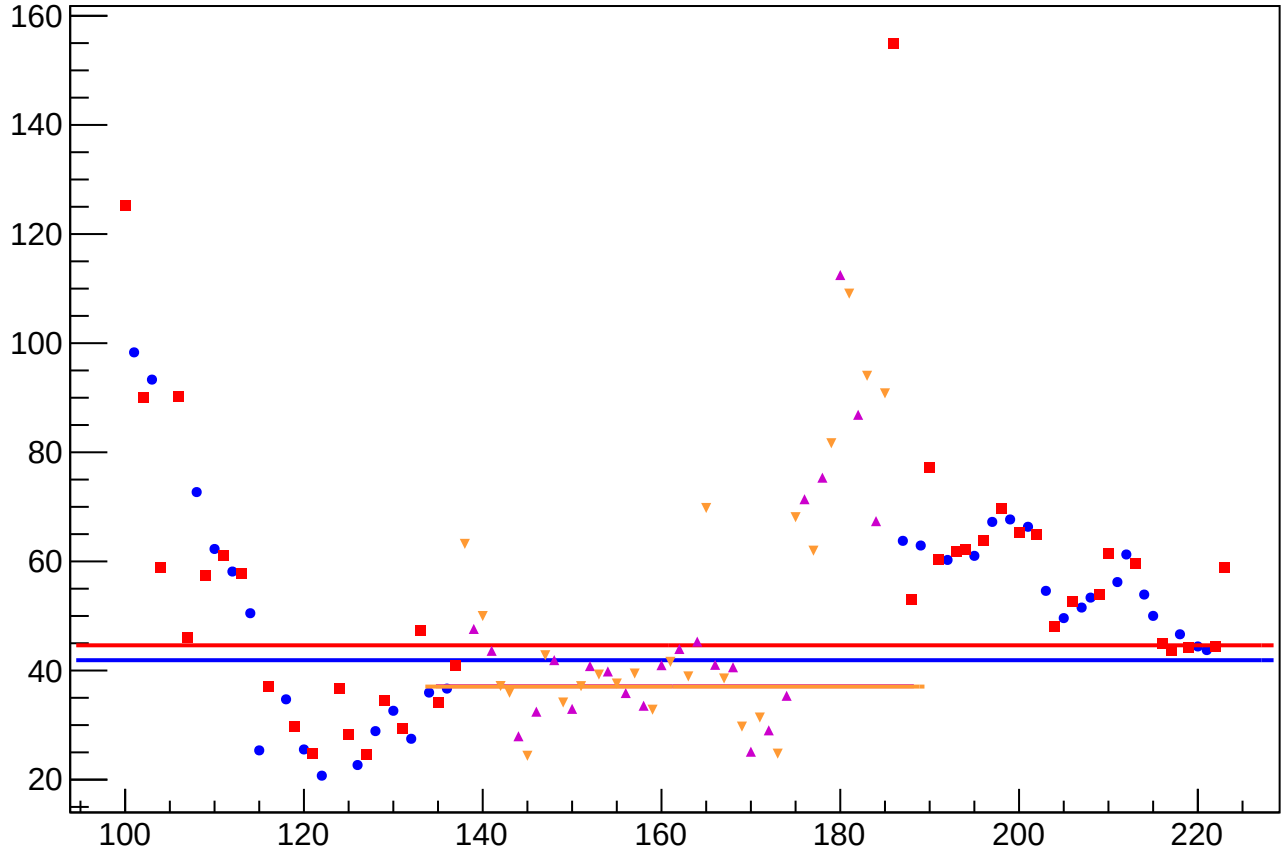
Right Out: 0.057+/-0.010 χ^2/NDF: 171.1/38

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.019+/-0.007 χ^2/NDF: 81.5/58

All: 0.025+/-0.005 χ^2/NDF: 279.4/120

- sign 0.032+/-0.007 χ^2/NDF: 196.0/61



Right In: 41.894+/-0.007 χ^2/NDF: 5359469.7/33

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

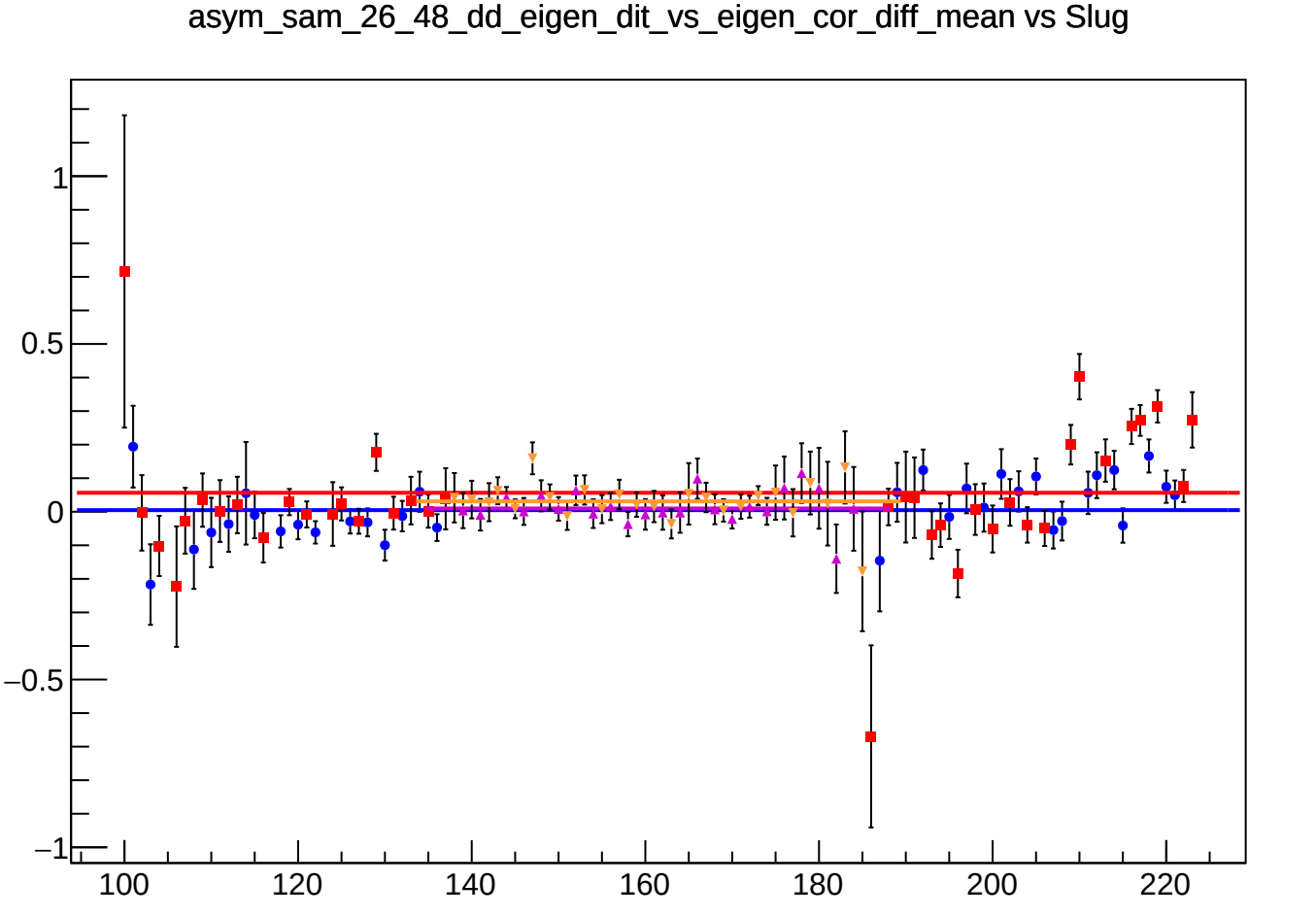
Right Out: 44.622+/-0.007 χ^2/NDF: 4648384.3/38

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 39.345+/-0.005 χ^2/NDF: 9678909.9/58

All: 39.971+/-0.003 χ^2/NDF: 17975617.1/120

- sign 40.637+/-0.005 χ^2/NDF: 8259866.1/61



Right In: 0.005+/-0.010 χ^2/NDF: 59.8/33

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

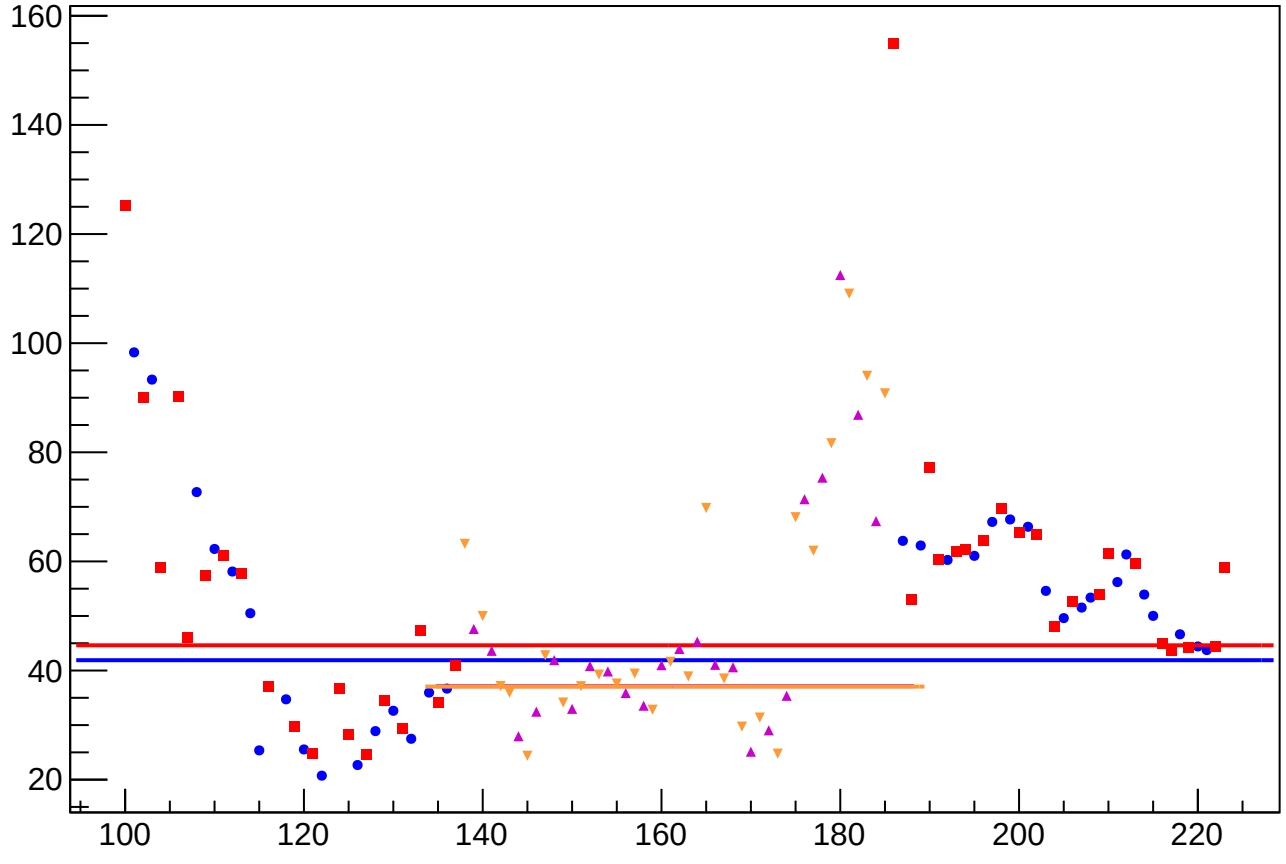
Right Out: 0.057+/-0.010 χ^2/NDF: 171.1/38

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.019+/-0.007 χ^2/NDF: 81.5/58

All: 0.025+/-0.005 χ^2/NDF: 279.4/120

- sign 0.032+/-0.007 χ^2/NDF: 196.0/61



Right In: 41.894+/-0.007 χ^2/NDF: 5359469.7/33

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

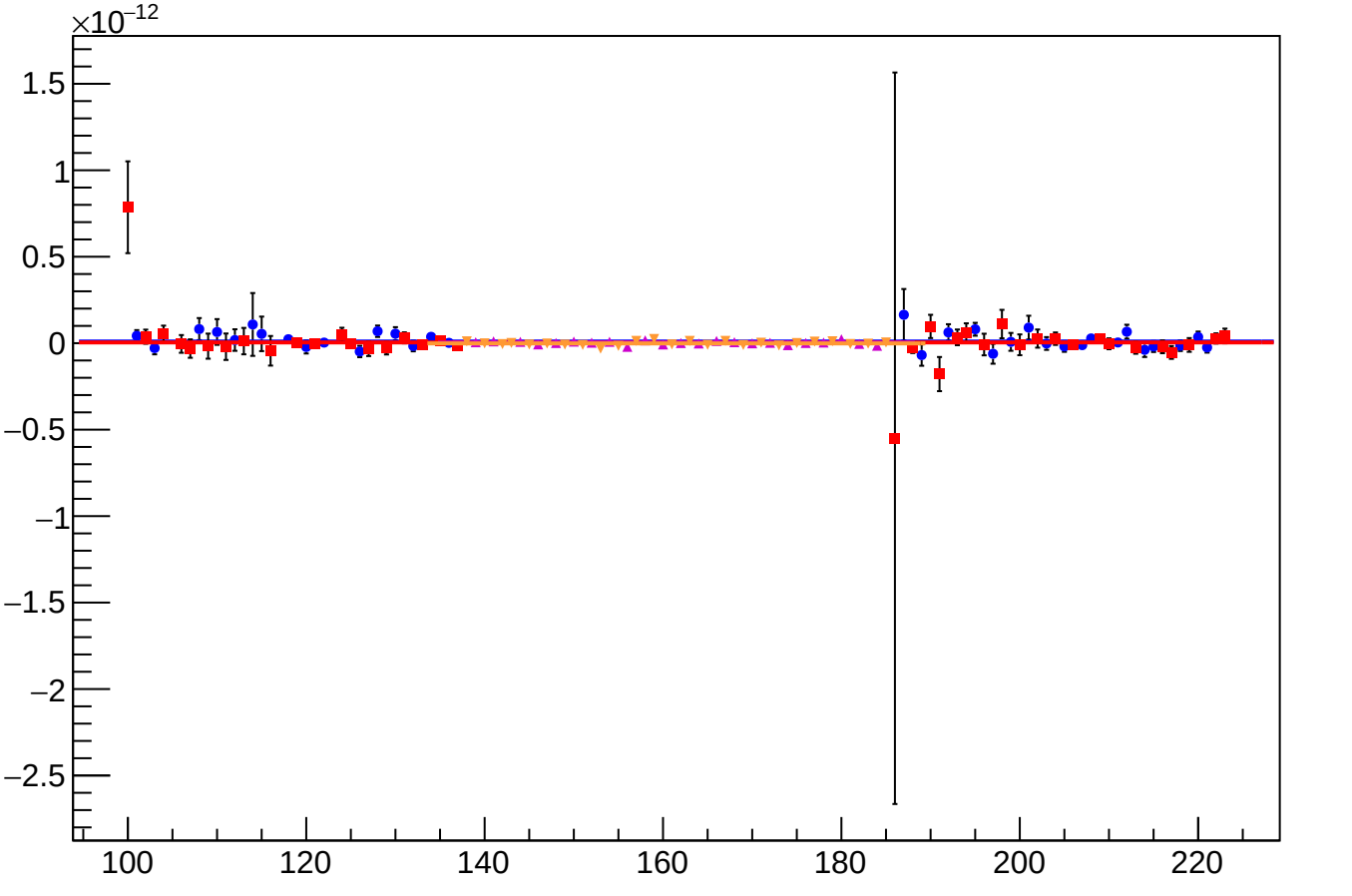
Right Out: 44.622+/-0.007 χ^2/NDF: 4648384.3/38

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 39.345+/-0.005 χ^2/NDF: 9678909.9/58

All: 39.971+/-0.003 χ^2/NDF: 17975617.1/120

- sign 40.637+/-0.005 χ^2/NDF: 8259866.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 36.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

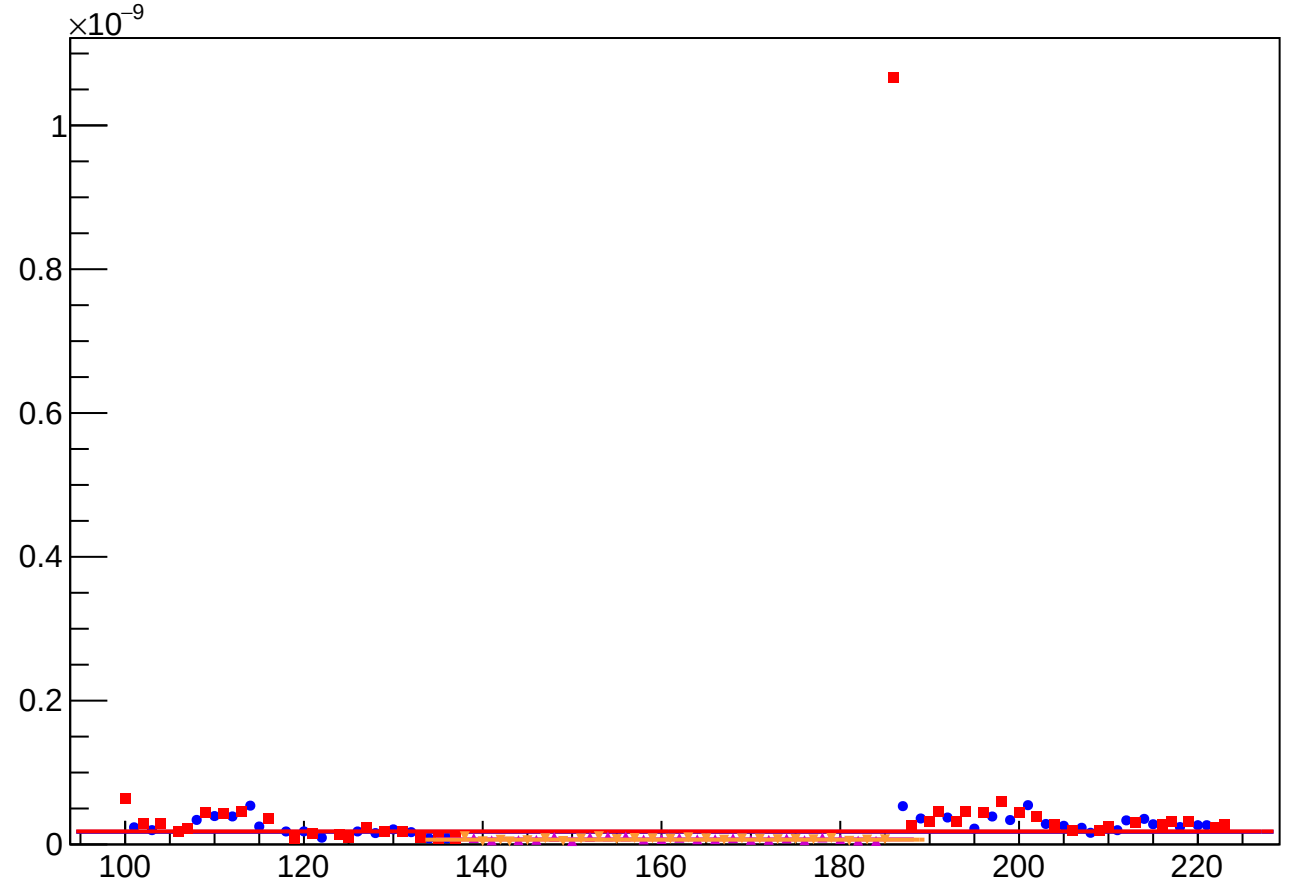
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/38

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.3/58

All: 0.000+/-0.000 χ^2/NDF: 122.4/120

- sign 0.000+/-0.000 χ^2/NDF: 54.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 6877379.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8593639.3/38

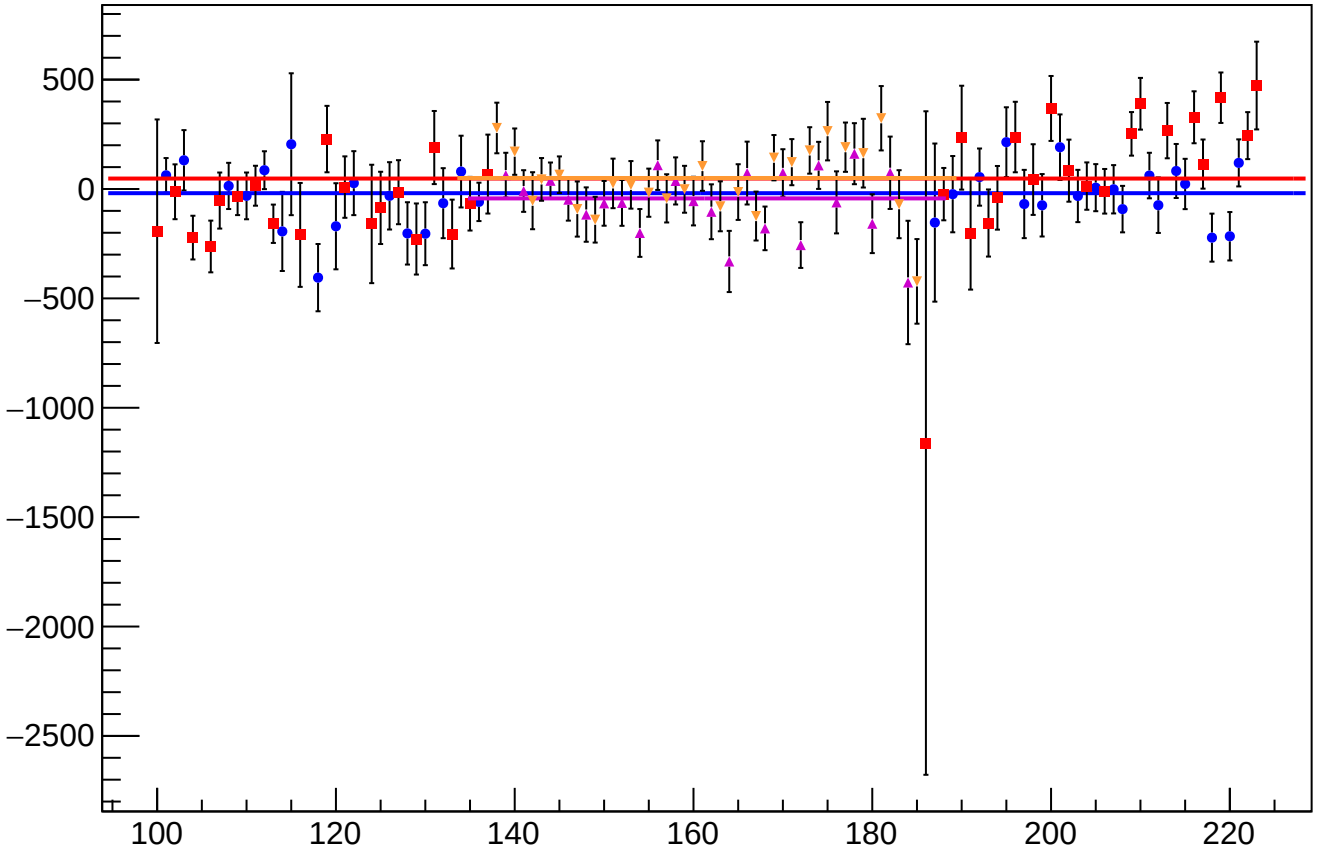
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16791224.4/58

All: 0.000+/-0.000 χ^2/NDF: 34512681.2/120

- sign 0.000+/-0.000 χ^2/NDF: 17641206.6/61

reg_asym_sam_1548_avg_mean vs Slug



Right In: -19.112+/-21.455 χ^2/NDF: 31.5/33

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 47.772+/-21.155 χ^2/NDF: 84.0/38

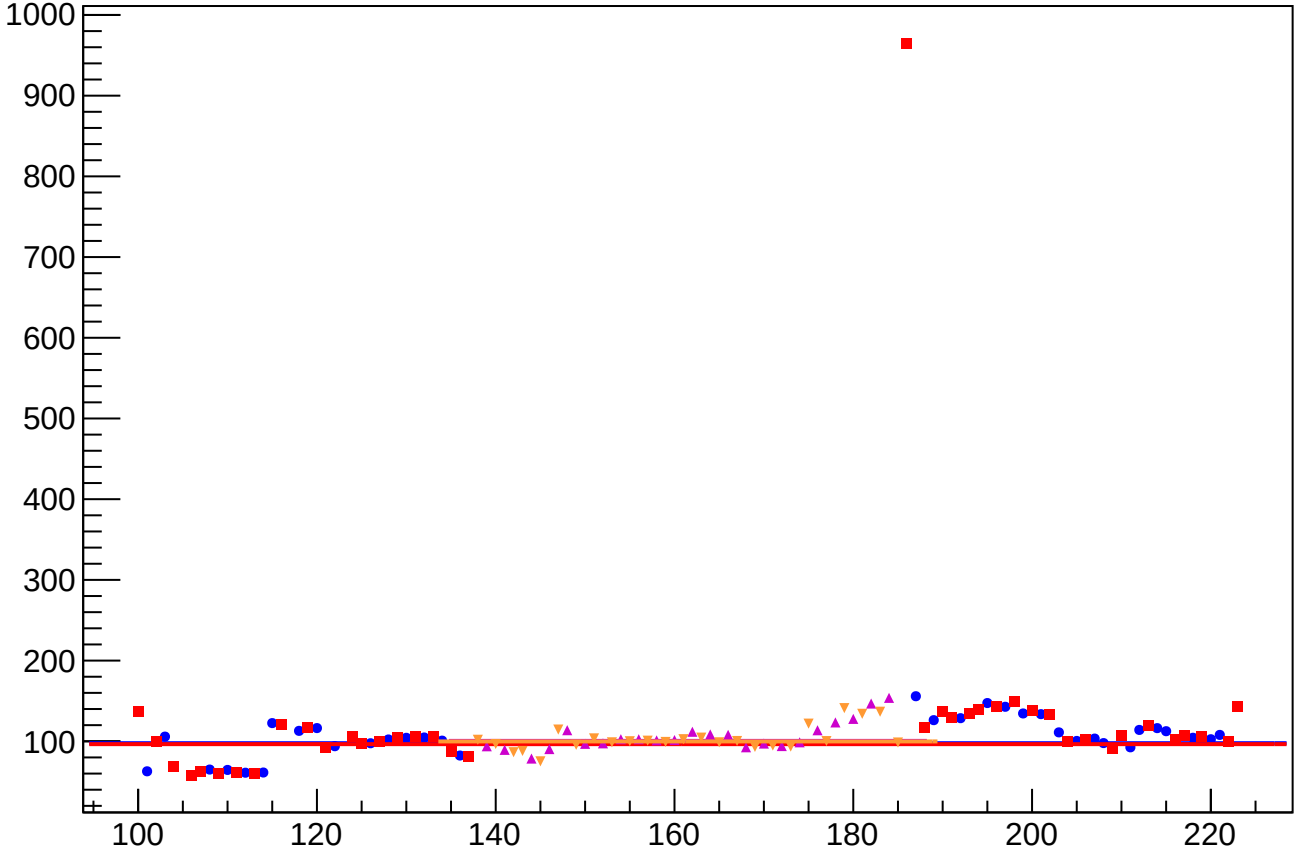
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 13.255+/-15.675 χ^2/NDF: 69.8/58

All: 10.458+/-11.128 χ^2/NDF: 188.6/120

- sign 7.618+/-15.799 χ^2/NDF: 118.8/61

reg_asym_sam_1548_avg_rms vs Slug



Right In: 97.639+/-0.015 χ^2/NDF: 2350070.4/33

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 96.468+/-0.015 χ^2/NDF: 3699531.8/38

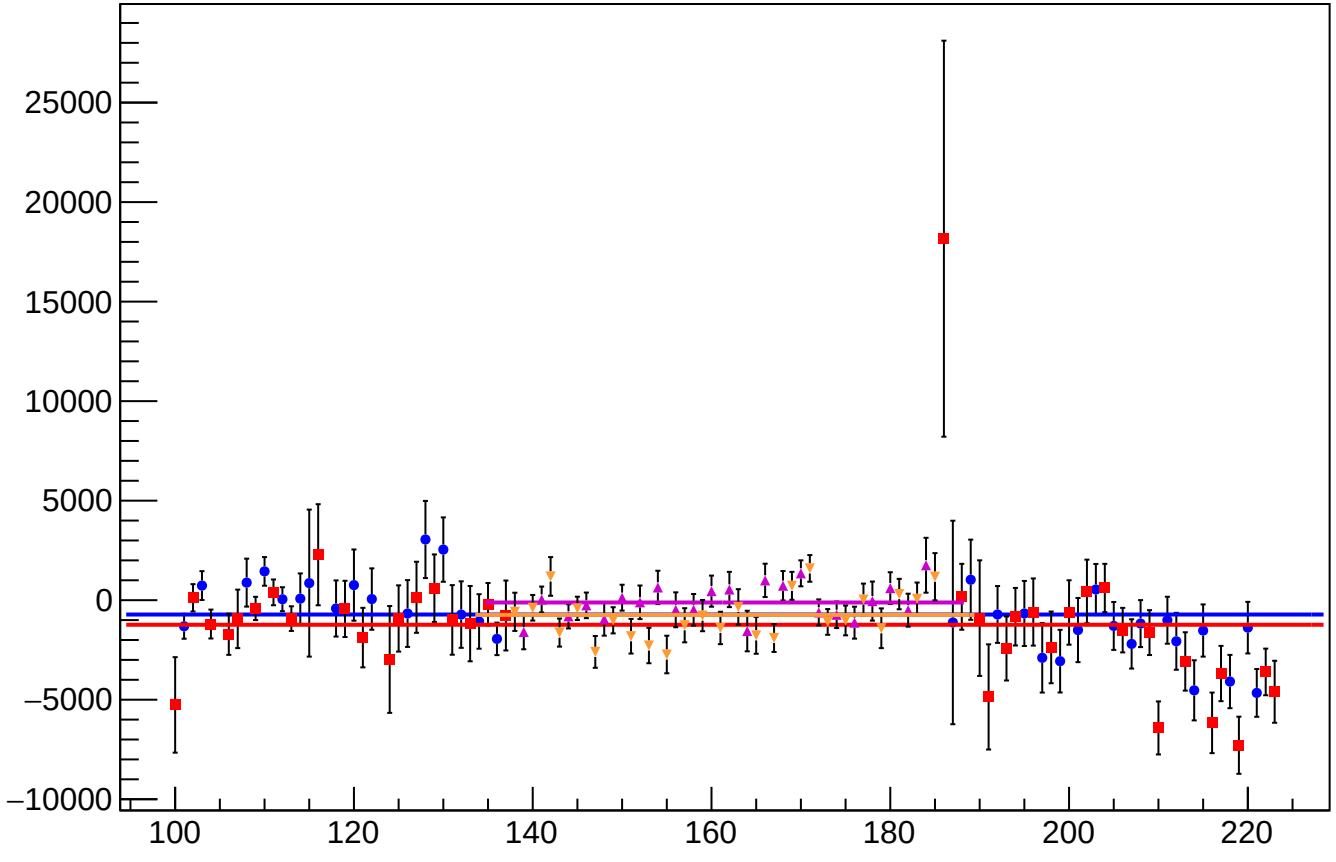
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 98.664+/-0.011 χ^2/NDF: 3057645.5/58

All: 98.459+/-0.008 χ^2/NDF: 7446816.5/120

\- sign 98.250+/-0.011 χ^2/NDF: 4388478.2/61

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -720.628+/-203.499 χ^2/NDF: 61.6/33

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -1234.757+/-194.663 χ^2/NDF: 89.4/38

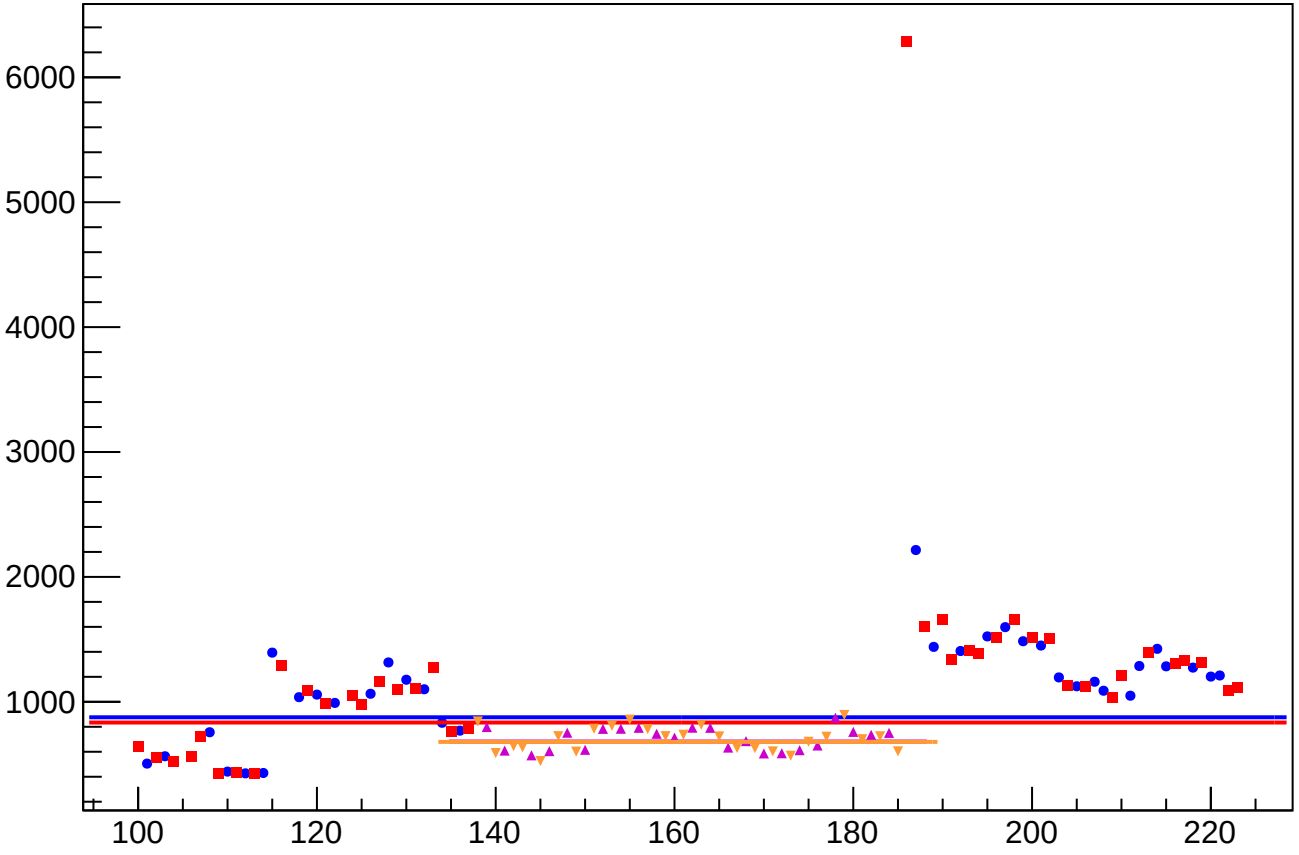
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -731.782+/-123.963 χ^2/NDF: 111.3/58

All: -651.046+/-87.689 χ^2/NDF: 244.9/120

- sign -570.182+/-124.060 χ^2/NDF: 132.8/61

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 876.025+/-0.144 χ^2/NDF: 6822995.2/33

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 834.125+/-0.138 χ^2/NDF: 8825915.1/38

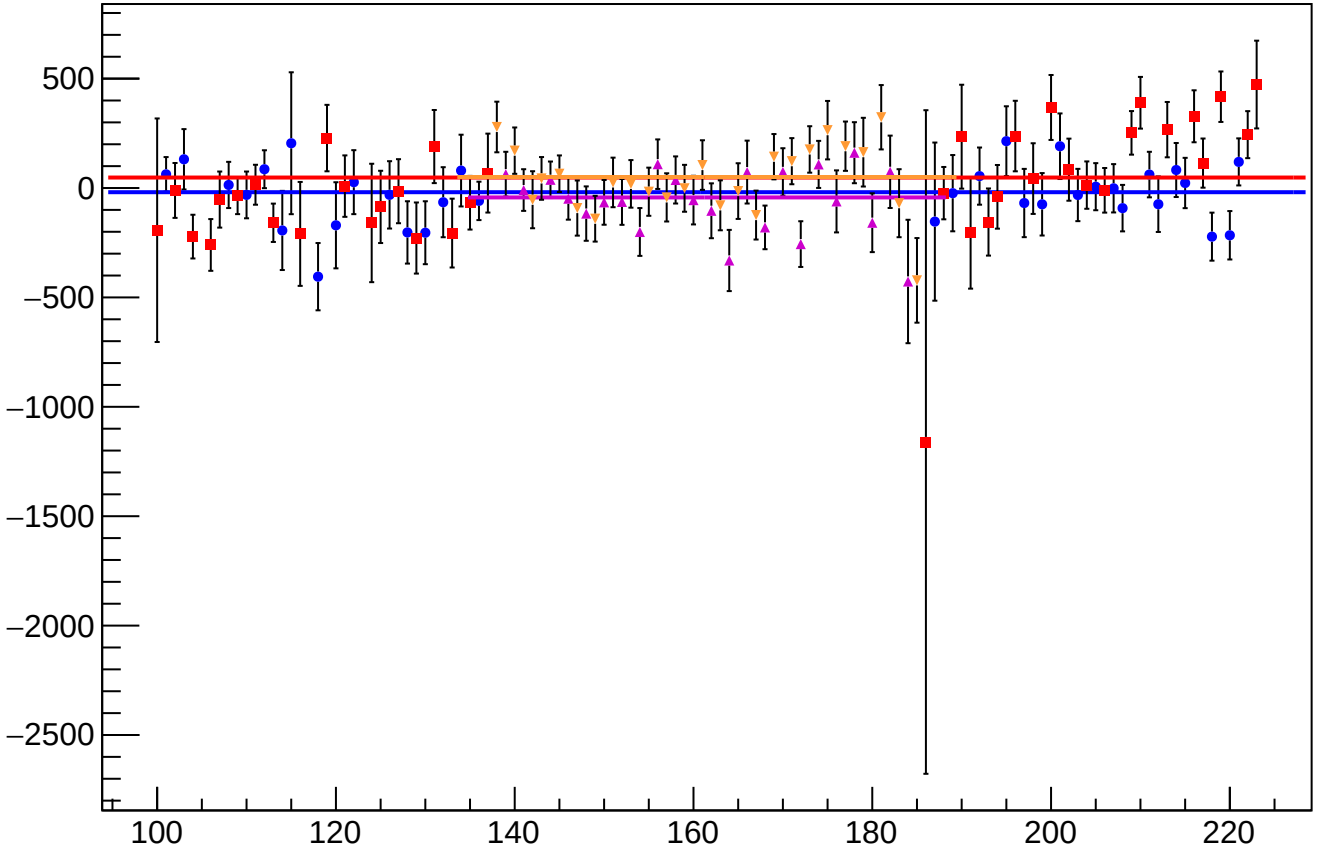
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 752.202+/-0.088 χ^2/NDF: 8737765.4/58

All: 747.966+/-0.062 χ^2/NDF: 18868510.3/12

- sign 743.724+/-0.088 χ^2/NDF: 10126070.9/61

cor_asym_sam_1548_avg_mean vs Slug



Right In: -19.114+/-21.455 χ^2/NDF: 31.5/33

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 47.908+/-21.156 χ^2/NDF: 83.9/38

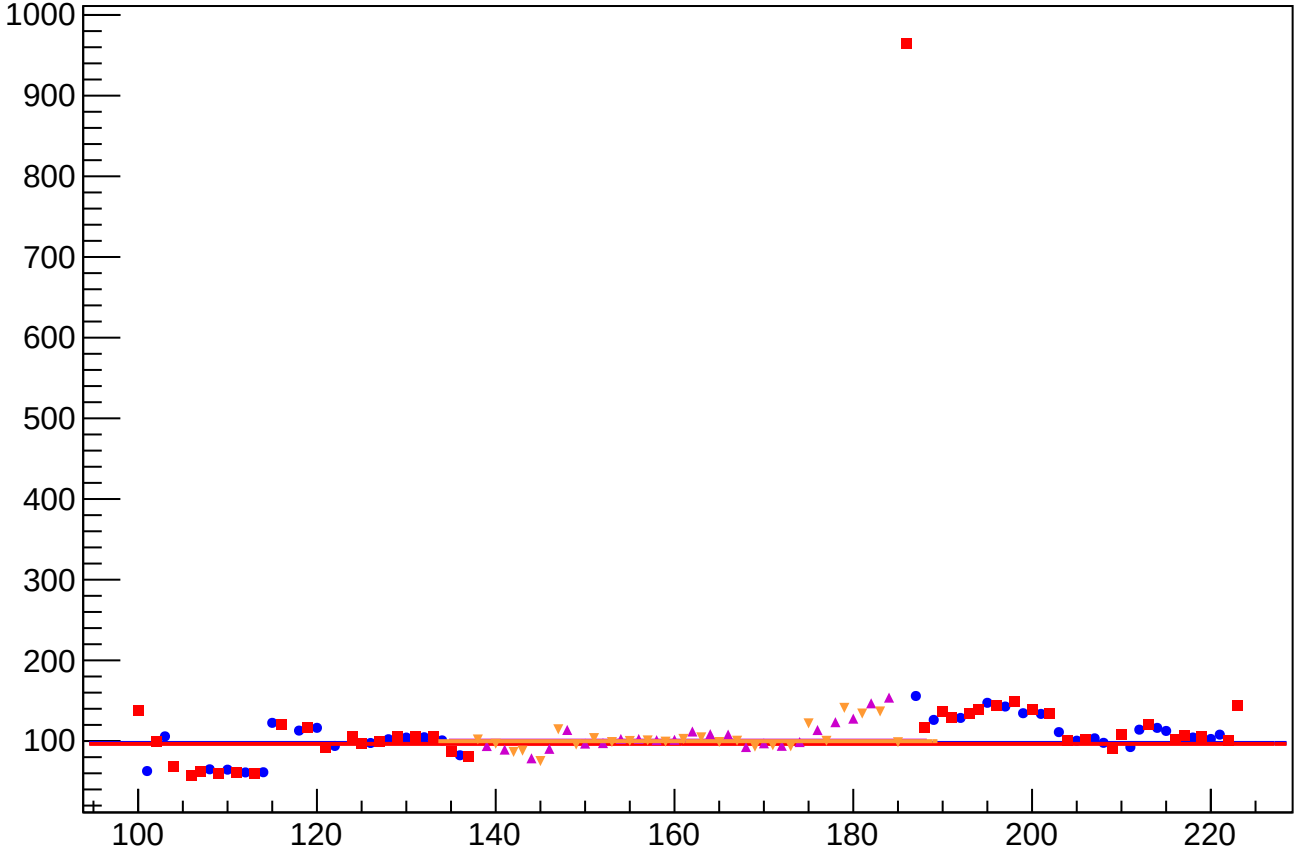
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 13.258+/-15.675 χ^2/NDF: 69.8/58

All: 10.497+/-11.128 χ^2/NDF: 188.5/120

- sign 7.692+/-15.800 χ^2/NDF: 118.7/61

cor_asym_sam_1548_avg_rms vs Slug



Right In: 97.639+/-0.015 χ^2/NDF: 2350071.4/33

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 96.460+/-0.015 χ^2/NDF: 3703092.2/38

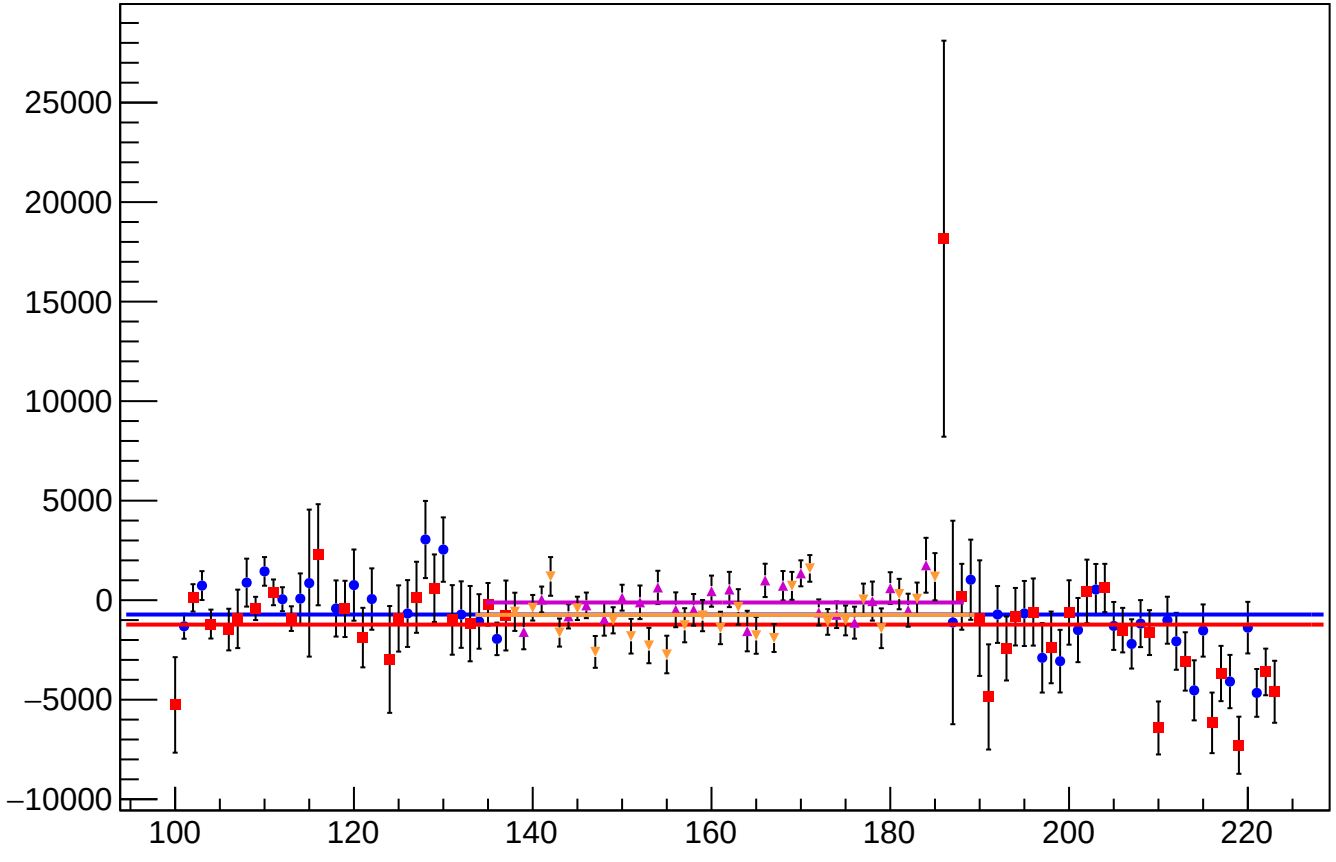
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 98.664+/-0.011 χ^2/NDF: 3057646.4/58

All: 98.457+/-0.008 χ^2/NDF: 7450522.7/120

- sign 98.246+/-0.011 χ^2/NDF: 4392168.3/61

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -720.654+/-203.501 χ^2/NDF: 61.6/33

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -1226.694+/-194.743 χ^2/NDF: 89.2/38

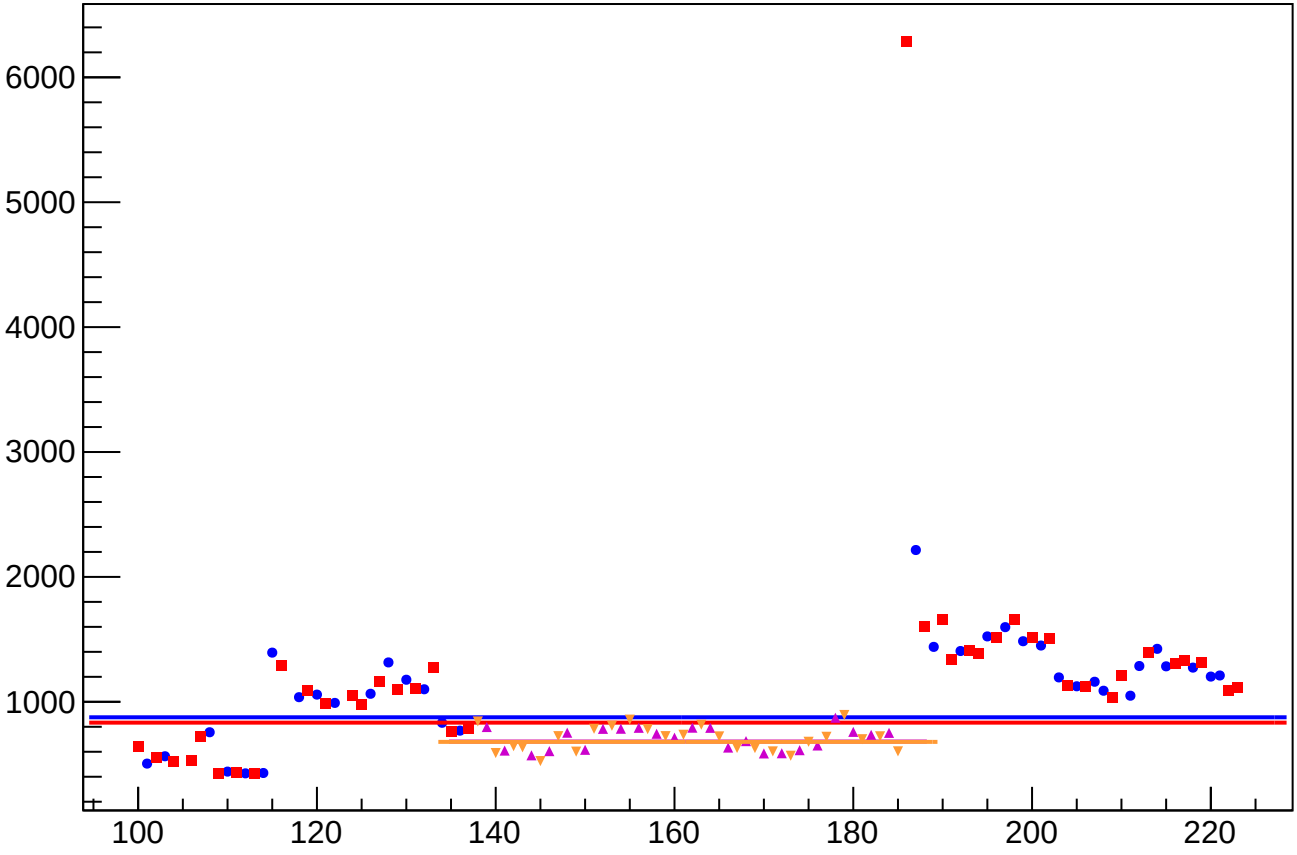
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -731.785+/-123.963 χ^2/NDF: 111.3/58

All: -649.314+/-87.697 χ^2/NDF: 244.5/120

- sign -566.686+/-124.081 χ^2/NDF: 132.3/61

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 876.035+/-0.144 χ^2/NDF: 6822788.8/33

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 833.199+/-0.138 χ^2/NDF: 8857838.3/38

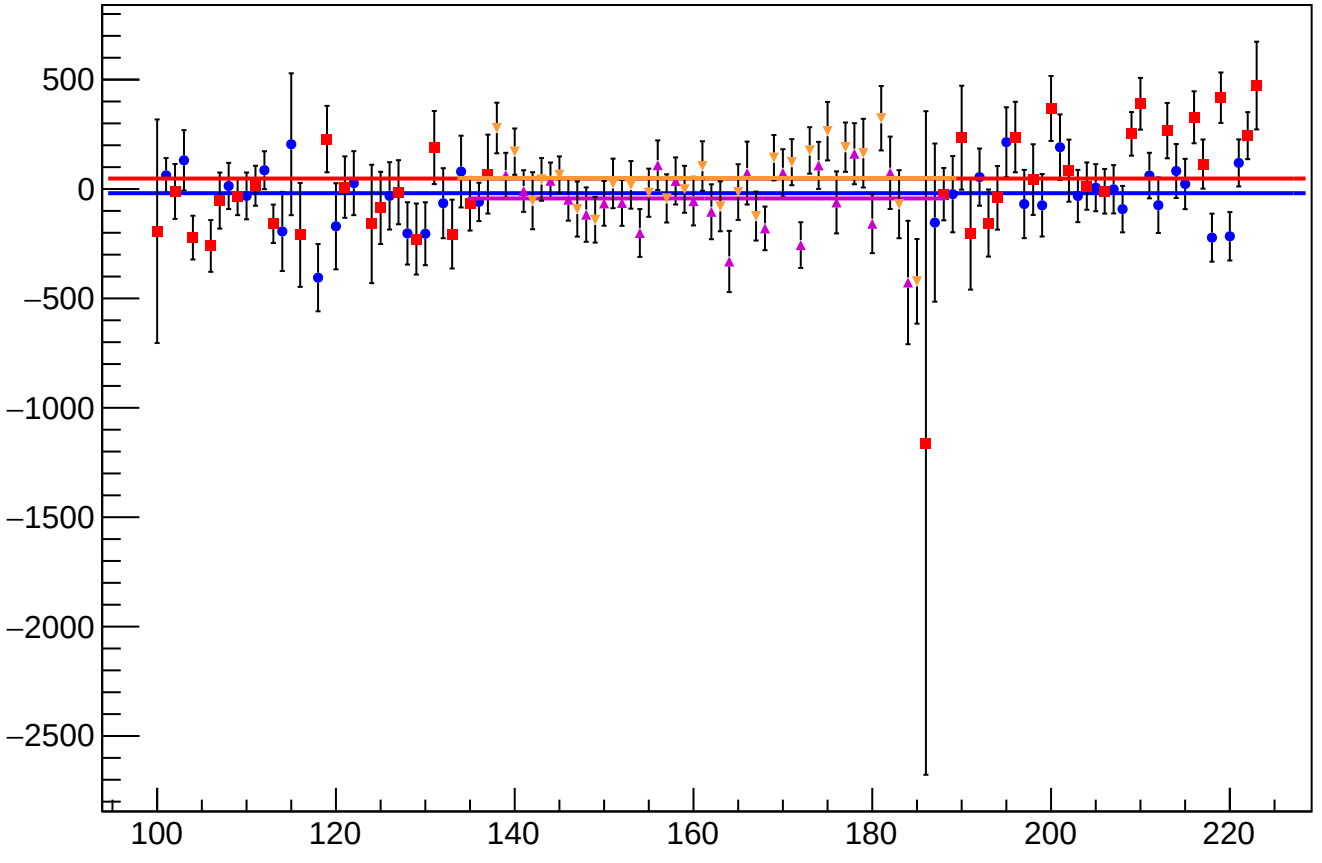
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 752.205+/-0.088 χ^2/NDF: 8737657.4/58

All: 747.766+/-0.062 χ^2/NDF: 18891623.5/12

- sign 743.318+/-0.088 χ^2/NDF: 10148831.0/61

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -19.114+/-21.455 χ^2/NDF: 31.5/33

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 47.908+/-21.156 χ^2/NDF: 83.9/38

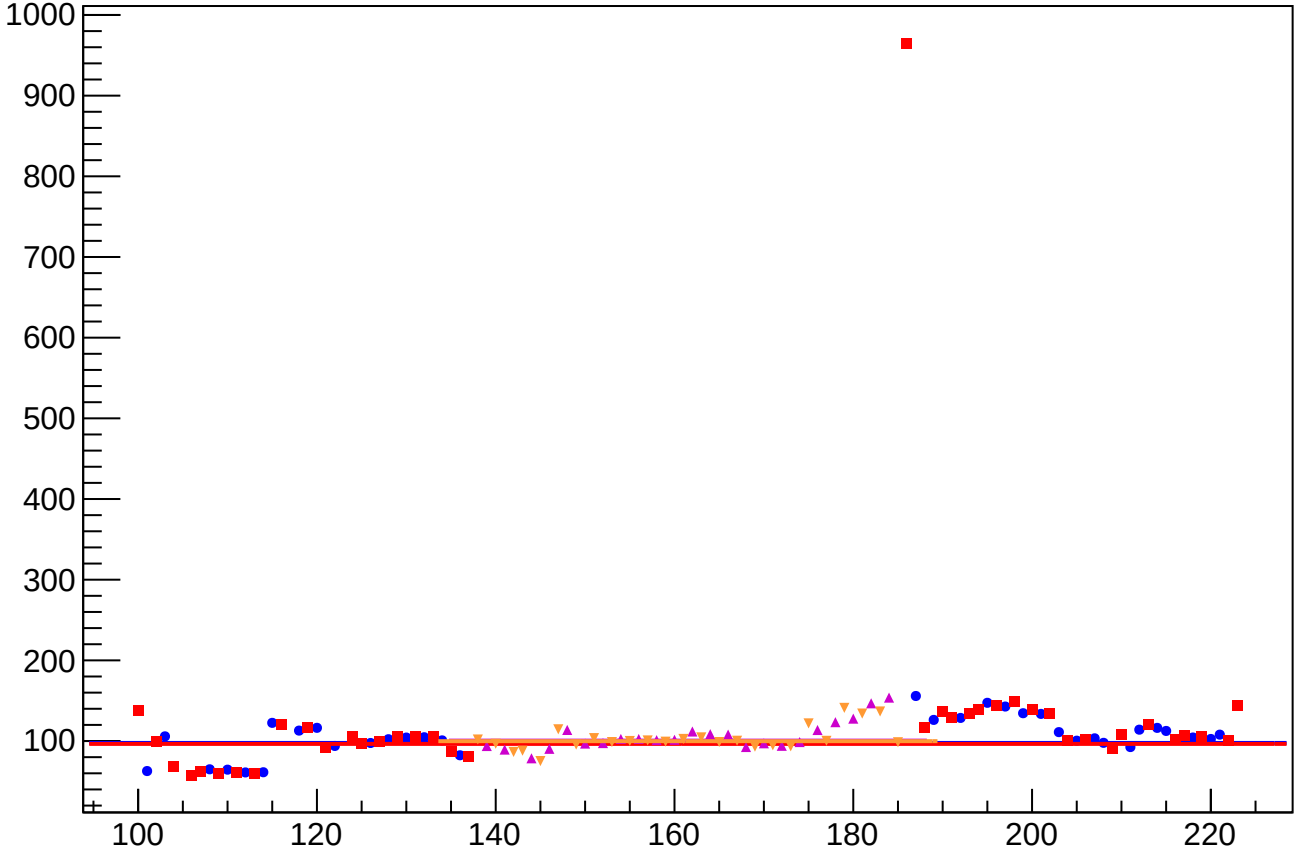
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 13.258+/-15.675 χ^2/NDF: 69.8/58

All: 10.497+/-11.128 χ^2/NDF: 188.5/120

- sign 7.692+/-15.800 χ^2/NDF: 118.7/61

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 97.639+/-0.015 χ^2/NDF: 2350071.4/33

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

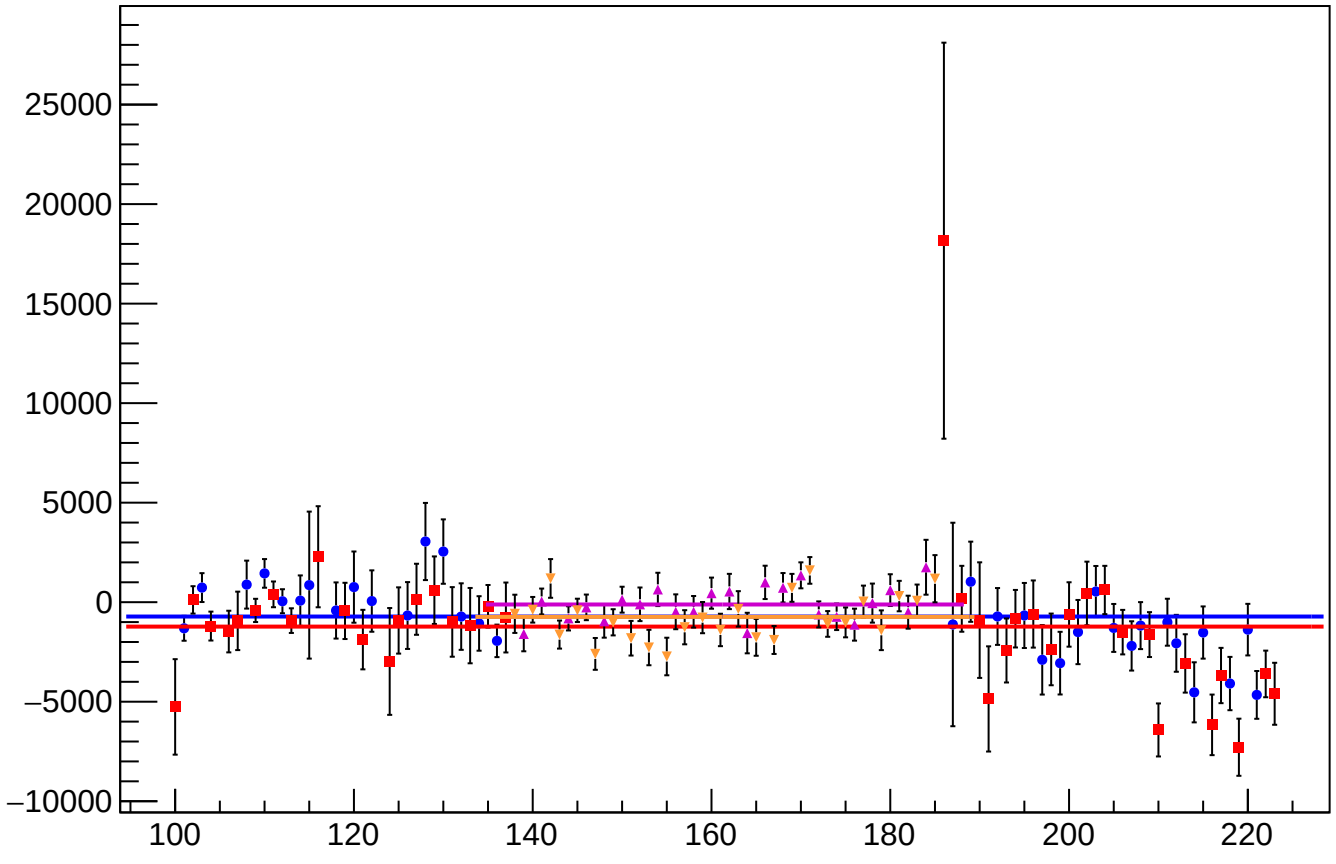
Right Out: 96.460+/-0.015 χ^2/NDF: 3703092.2/38

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 98.664+/-0.011 χ^2/NDF: 3057646.4/58

All: 98.457+/-0.008 χ^2/NDF: 7450522.7/120

- sign 98.246+/-0.011 χ^2/NDF: 4392168.3/61



Right In: -720.654+/-203.501 χ^2/NDF: 61.6/33

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -1226.694+/-194.743 χ^2/NDF: 89.2/38

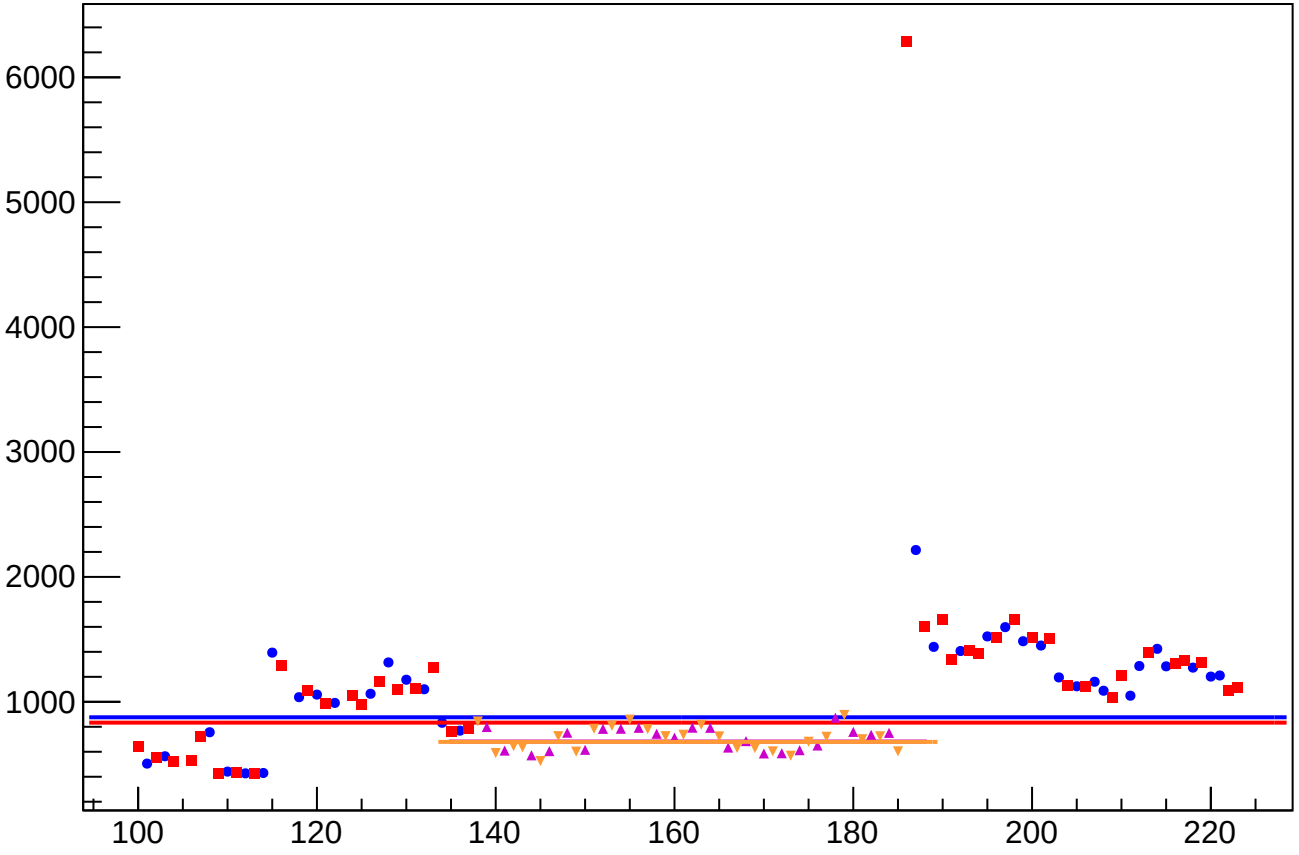
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -731.785+/-123.963 χ^2/NDF: 111.3/58

All: -649.314+/-87.697 χ^2/NDF: 244.5/120

- sign -566.686+/-124.081 χ^2/NDF: 132.3/61

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 876.035+/-0.144 χ^2/NDF: 6822788.8/33

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 833.199+/-0.138 χ^2/NDF: 8857838.3/38

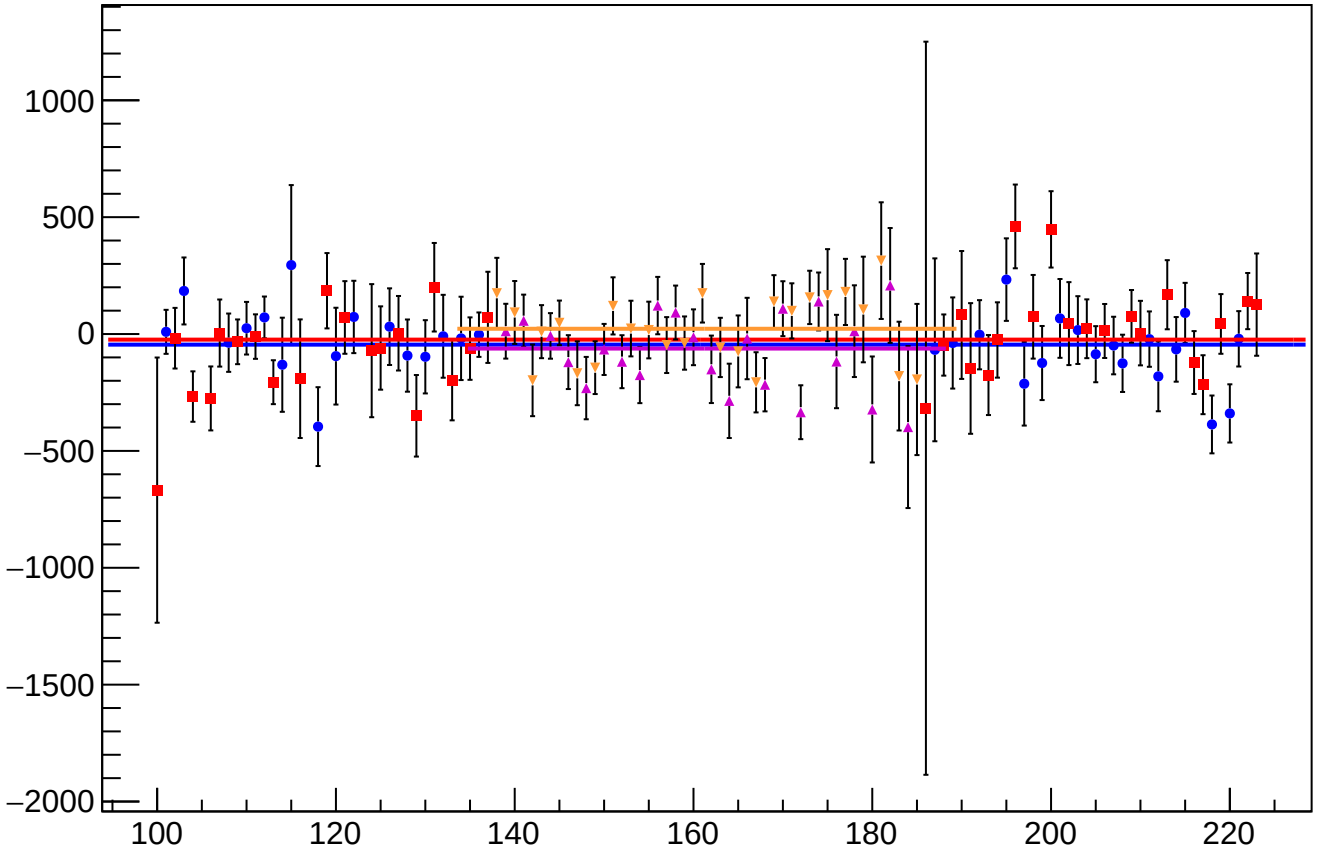
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 752.205+/-0.088 χ^2/NDF: 8737657.4/58

All: 747.766+/-0.062 χ^2/NDF: 18891623.5/12

- sign 743.318+/-0.088 χ^2/NDF: 10148831.0/61

dit_asym_sam_1548_avg_mean vs Slug



Right In: -45.364+/-23.880 χ^2/NDF: 31.9/33

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -23.926+/-23.482 χ^2/NDF: 48.0/38

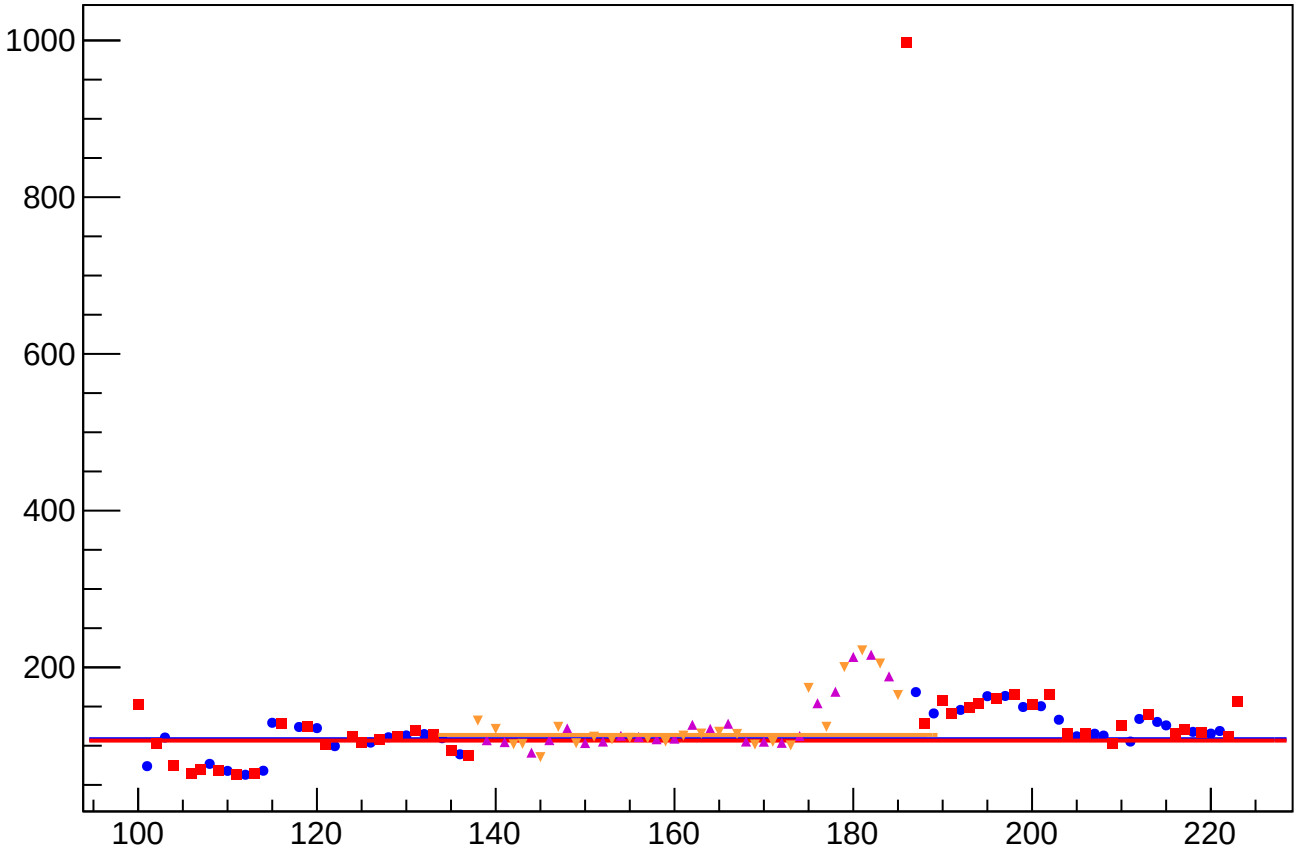
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -15.114+/-17.782 χ^2/NDF: 57.1/58

All: -27.616+/-12.585 χ^2/NDF: 134.5/120

- sign -40.161+/-17.813 χ^2/NDF: 76.4/61

dit_asym_sam_1548_avg_rms vs Slug



Right In: 108.340+/-0.017 χ^2/NDF: 2505270.2/33

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 106.574+/-0.017 χ^2/NDF: 3933133.3/38

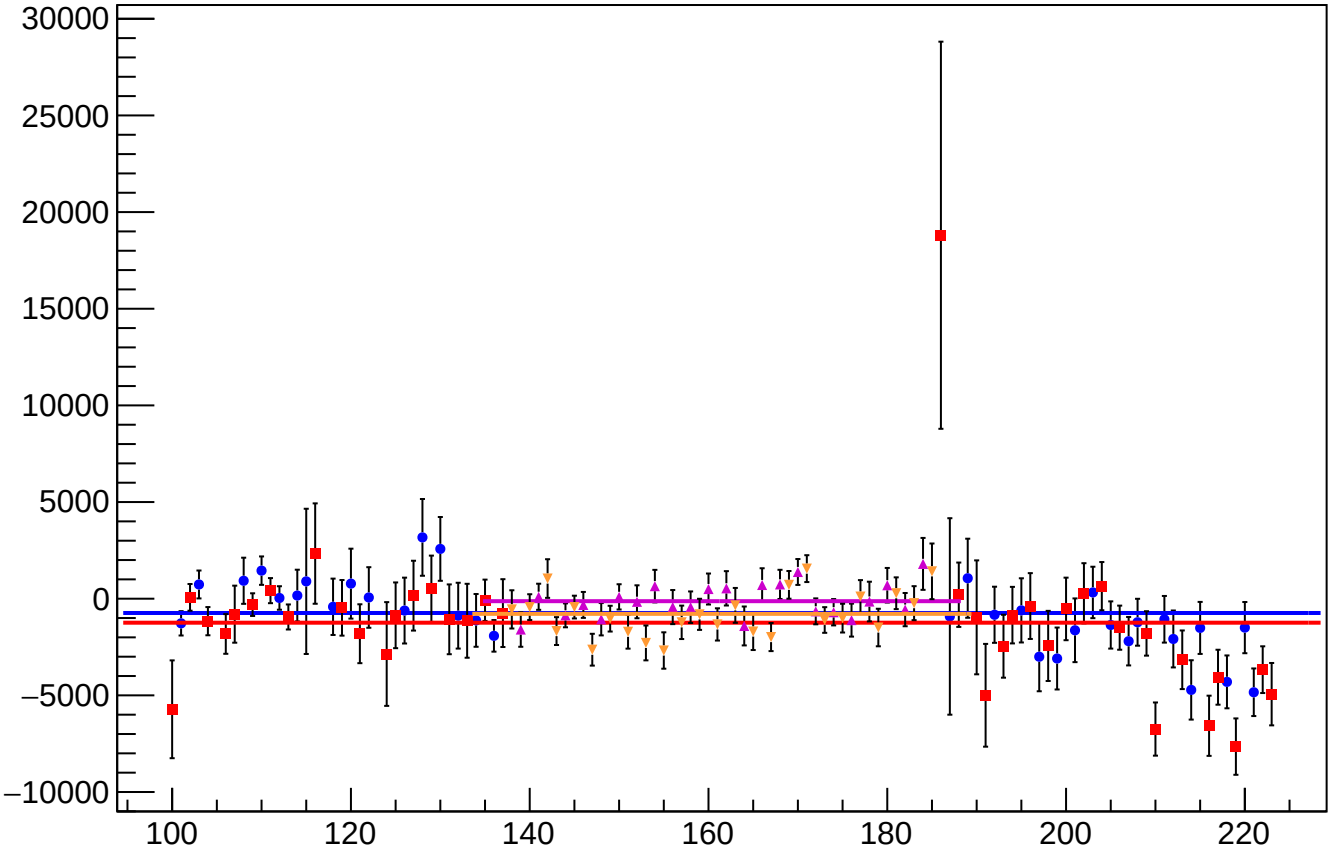
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 110.757+/-0.013 χ^2/NDF: 4131190.4/58

All: 110.174+/-0.009 χ^2/NDF: 9462351.9/120

- sign 109.590+/-0.013 χ^2/NDF: 5326857.6/61

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -739.031+/-206.336 χ^2/NDF: 62.5/33

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -1241.475+/-197.342 χ^2/NDF: 95.8/38

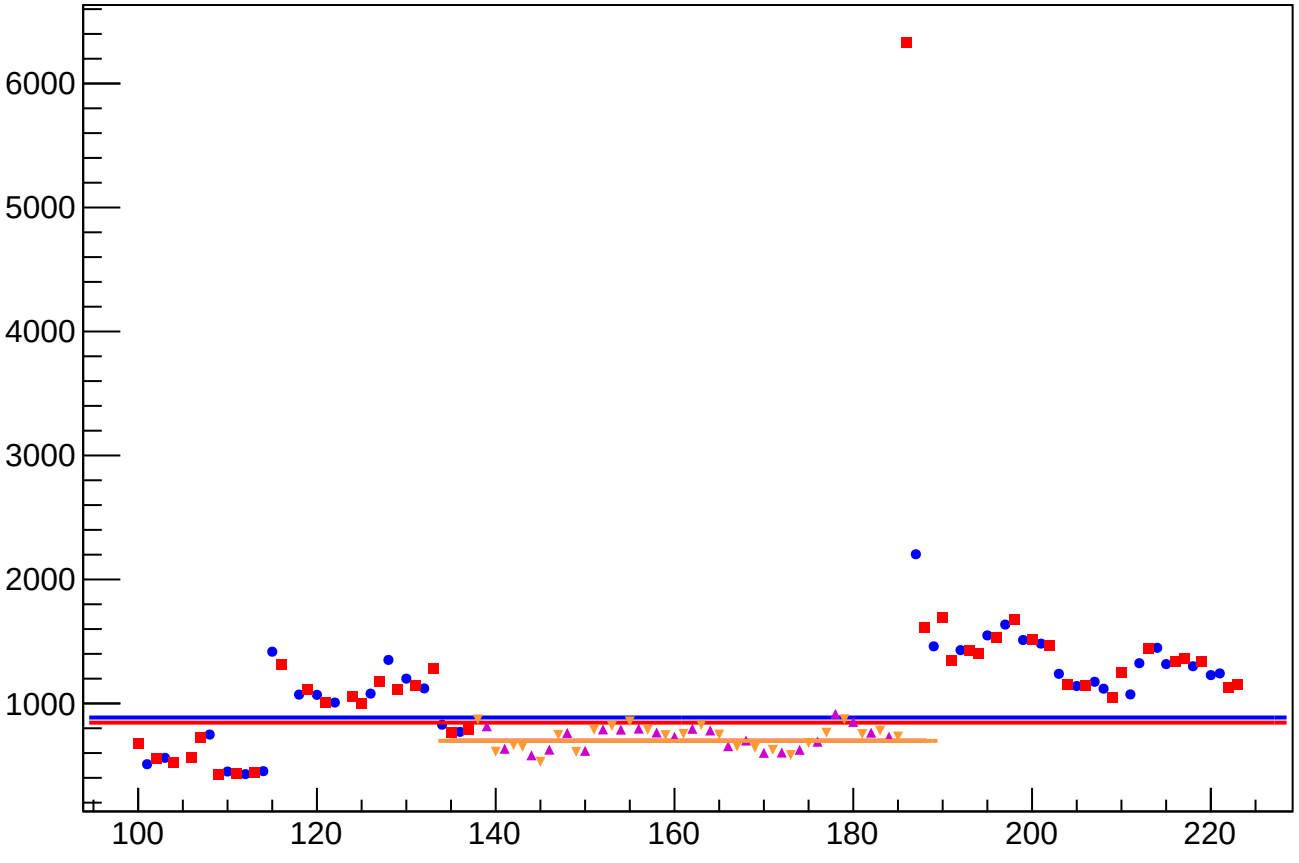
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -767.229+/-126.677 χ^2/NDF: 108.0/58

All: -677.161+/-89.582 χ^2/NDF: 246.2/120

- sign -587.062+/-126.698 χ^2/NDF: 137.3/61

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 886.661+/-0.146 χ^2/NDF: 6981204.8/33

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 845.419+/-0.140 χ^2/NDF: 8873410.0/38

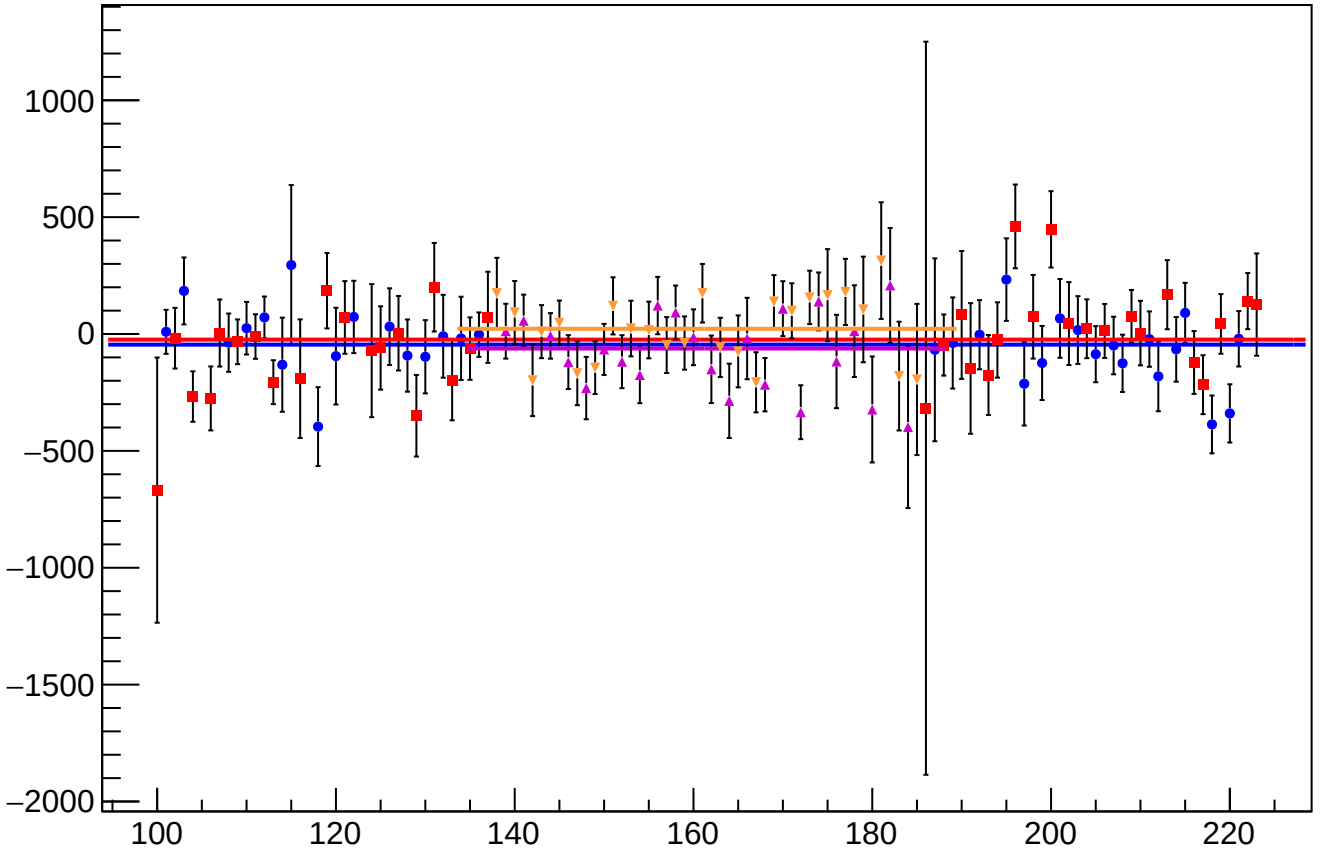
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 769.257+/-0.090 χ^2/NDF: 8735089.3/58

All: 764.623+/-0.063 χ^2/NDF: 18835839.7/12

- sign 759.988+/-0.090 χ^2/NDF: 10095396.8/61

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -45.362+/-23.880 χ^2/NDF: 31.9/33

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -23.923+/-23.482 χ^2/NDF: 48.0/38

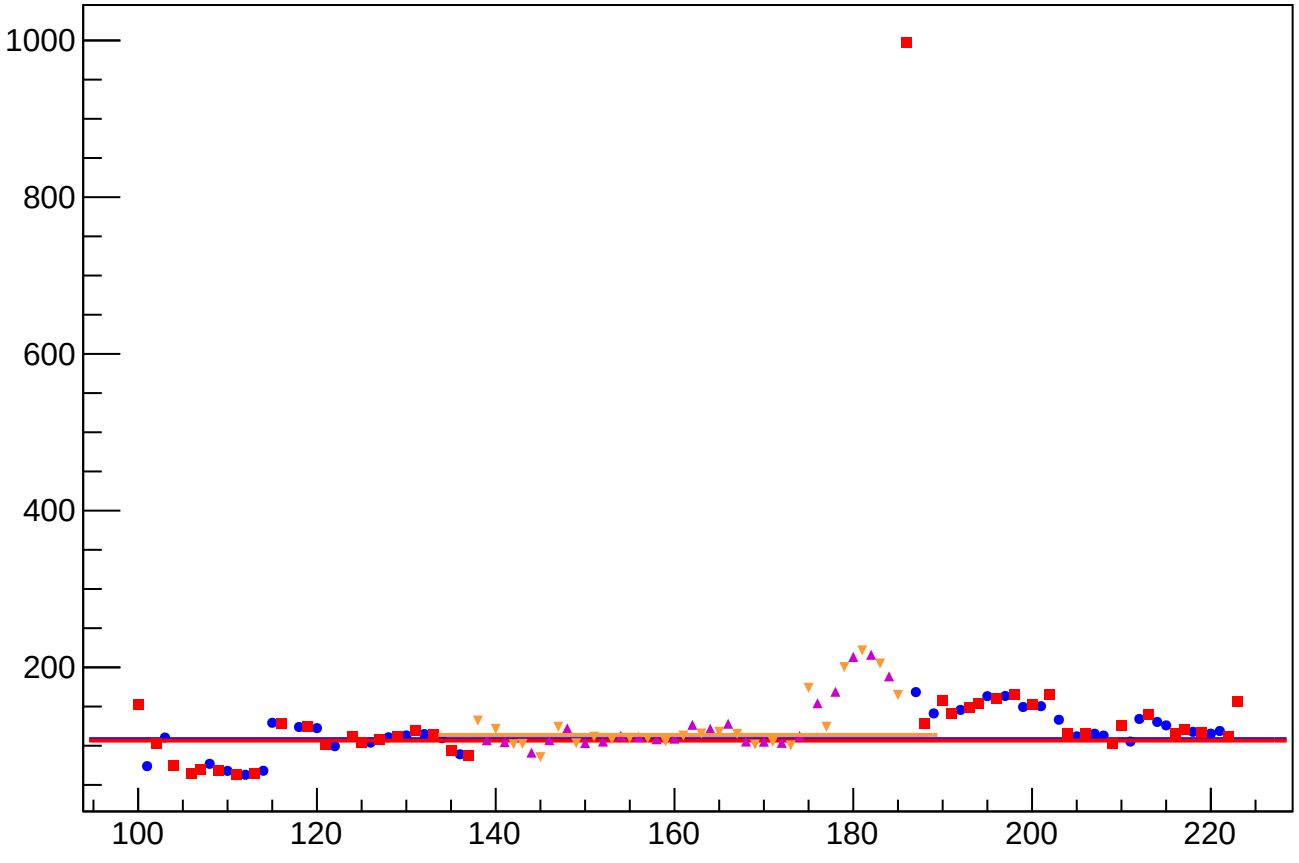
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -15.113+/-17.782 χ^2/NDF: 57.1/58

All: -27.615+/-12.585 χ^2/NDF: 134.5/120

- sign -40.160+/-17.813 χ^2/NDF: 76.4/61

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 108.340+/-0.017 χ^2/NDF: 2505246.6/33

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

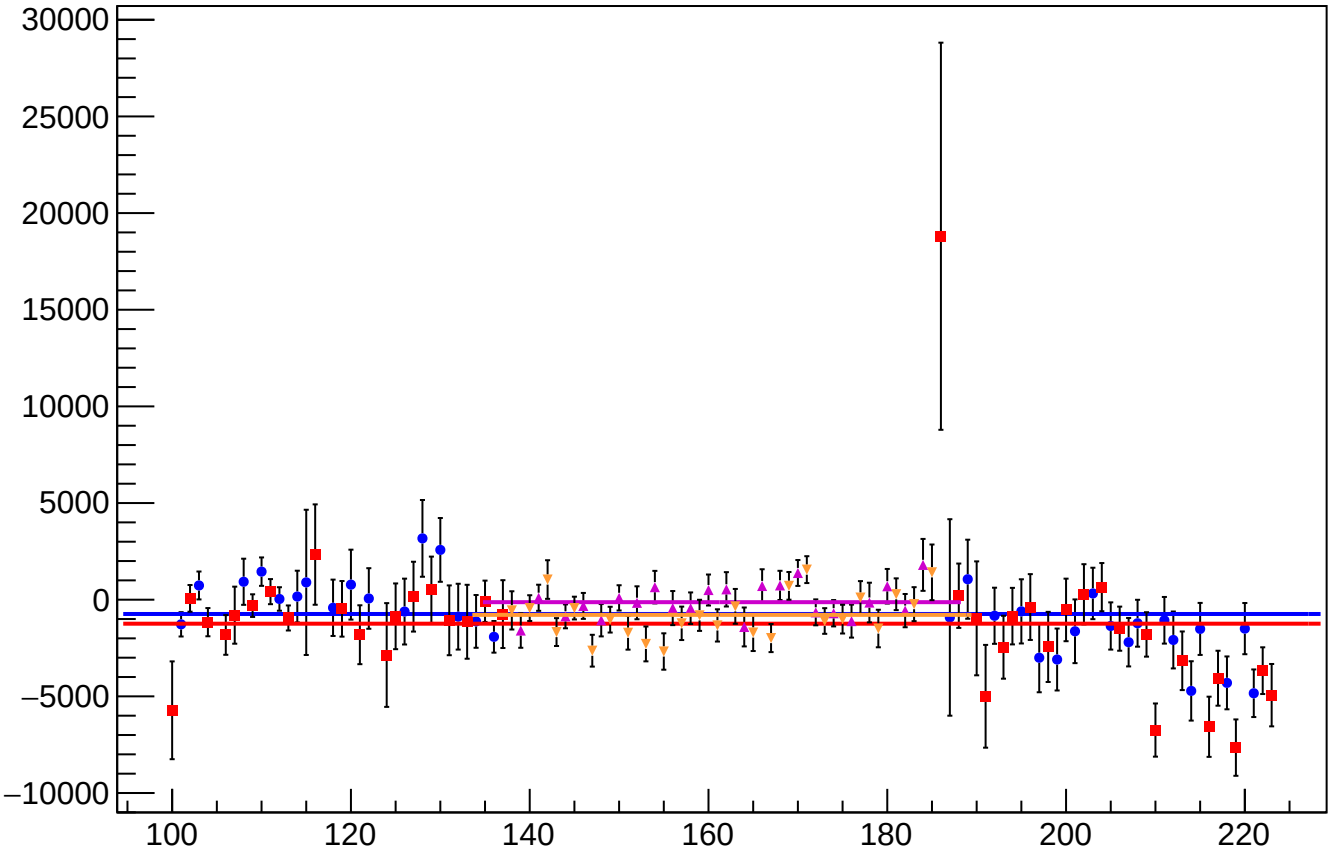
Right Out: 106.574+/-0.017 χ^2/NDF: 3933128.5/38

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 110.757+/-0.013 χ^2/NDF: 4131161.7/58

All: 110.174+/-0.009 χ^2/NDF: 9462303.4/120

- sign 109.590+/-0.013 χ^2/NDF: 5326837.9/61



Right In: -739.030+/-206.336 χ^2/NDF: 62.5/33

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

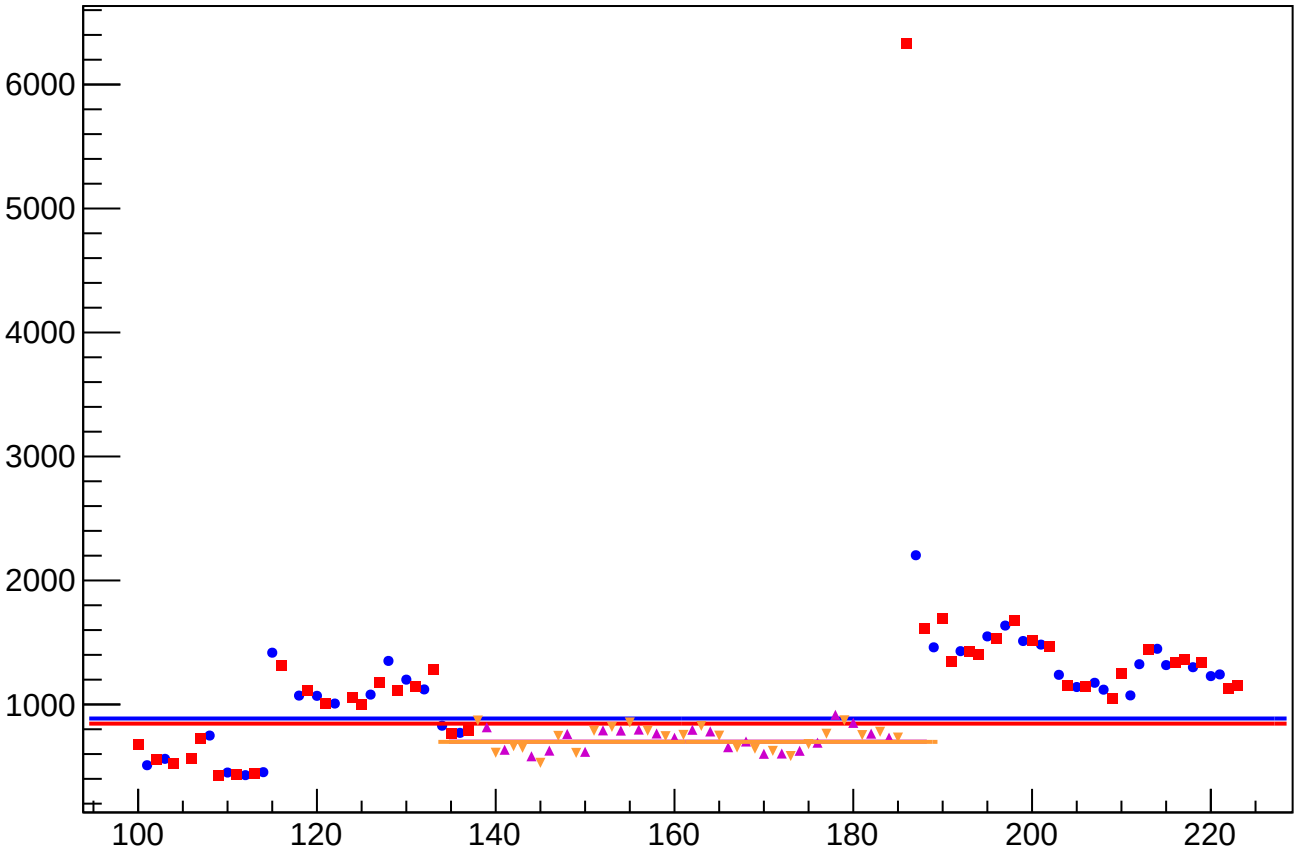
Right Out: -1241.474+/-197.341 χ^2/NDF: 95.8/38

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -767.227+/-126.677 χ^2/NDF: 108.0/58

All: -677.159+/-89.582 χ^2/NDF: 246.2/120

- sign -587.061+/-126.698 χ^2/NDF: 137.3/61



Right In: 886.660+/-0.146 χ^2/NDF: 6981202.5/33

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 845.418+/-0.140 χ^2/NDF: 8873404.4/38

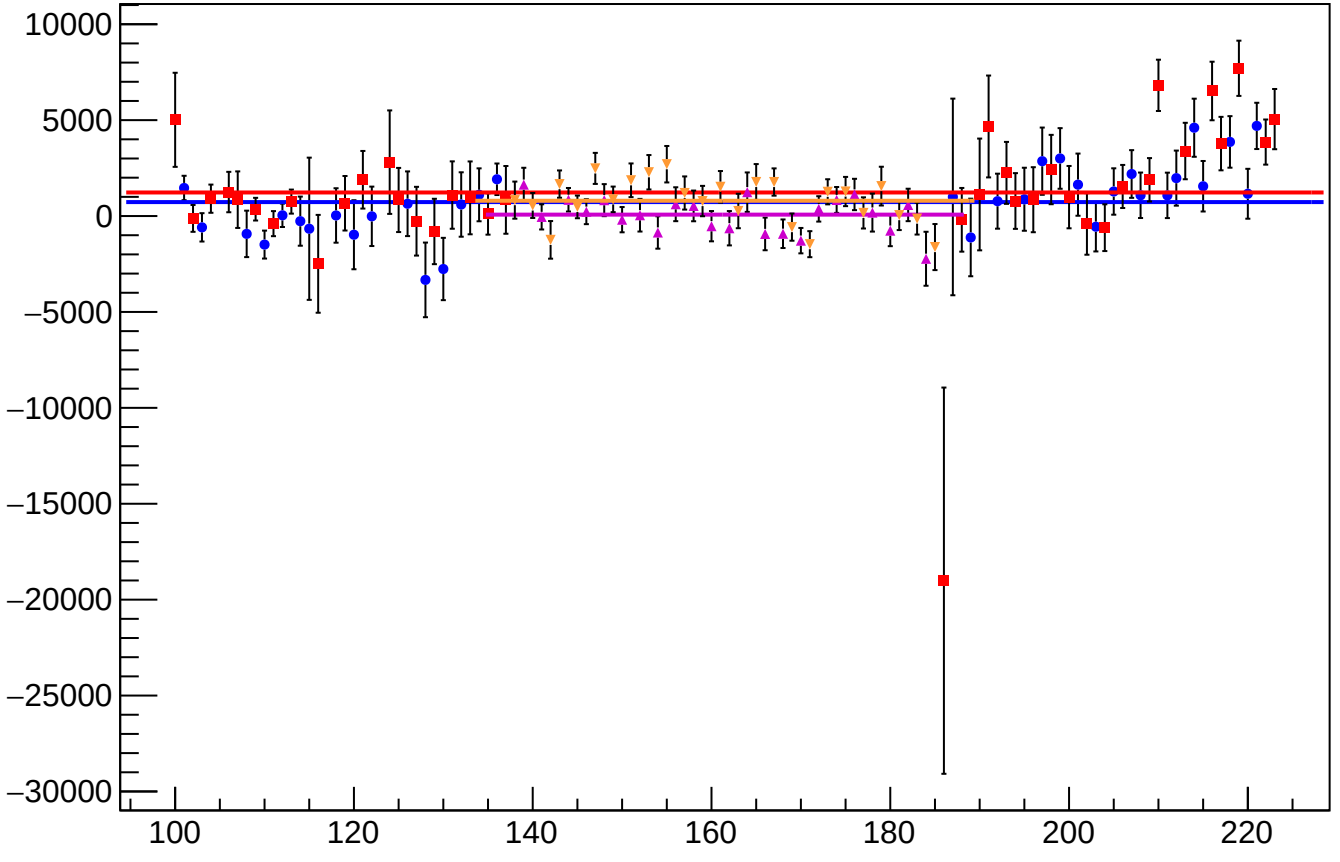
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 769.257+/-0.090 χ^2/NDF: 8735084.7/58

All: 764.623+/-0.063 χ^2/NDF: 18835823.3/12

- sign 759.987+/-0.090 χ^2/NDF: 10095385.1/61

asym_sam_1548_avg_mean vs Slug



Right In: 727.602+/-205.195 χ^2/NDF: 61.7/33

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 1228.592+/-196.363 χ^2/NDF: 98.8/38

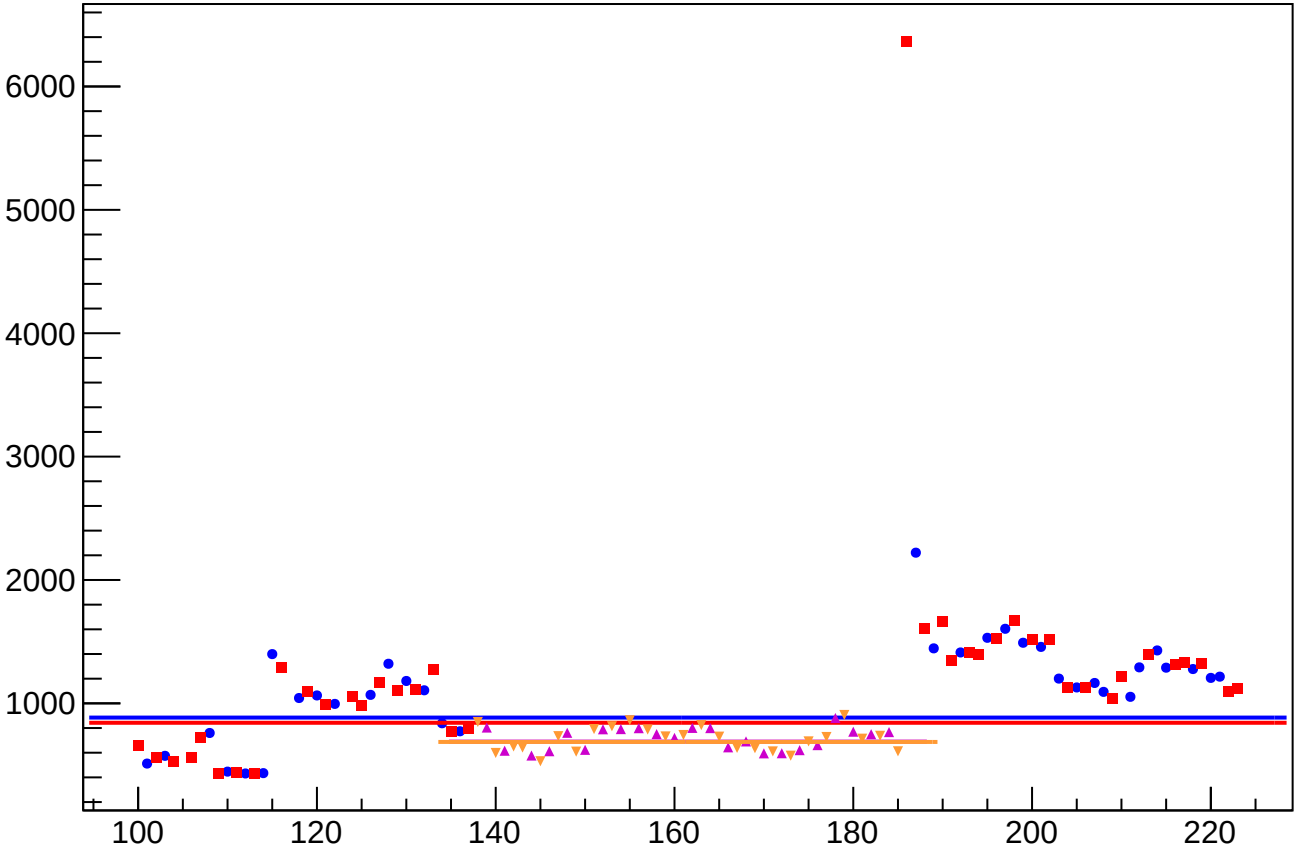
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 771.080+/-125.259 χ^2/NDF: 108.2/58

All: 657.792+/-88.609 χ^2/NDF: 254.0/120

- sign 544.312+/-125.365 χ^2/NDF: 144.2/61

asym_sam_1548_avg_rms vs Slug



Right In: 884.707+/-0.145 χ^2/NDF: 6702276.8/33

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

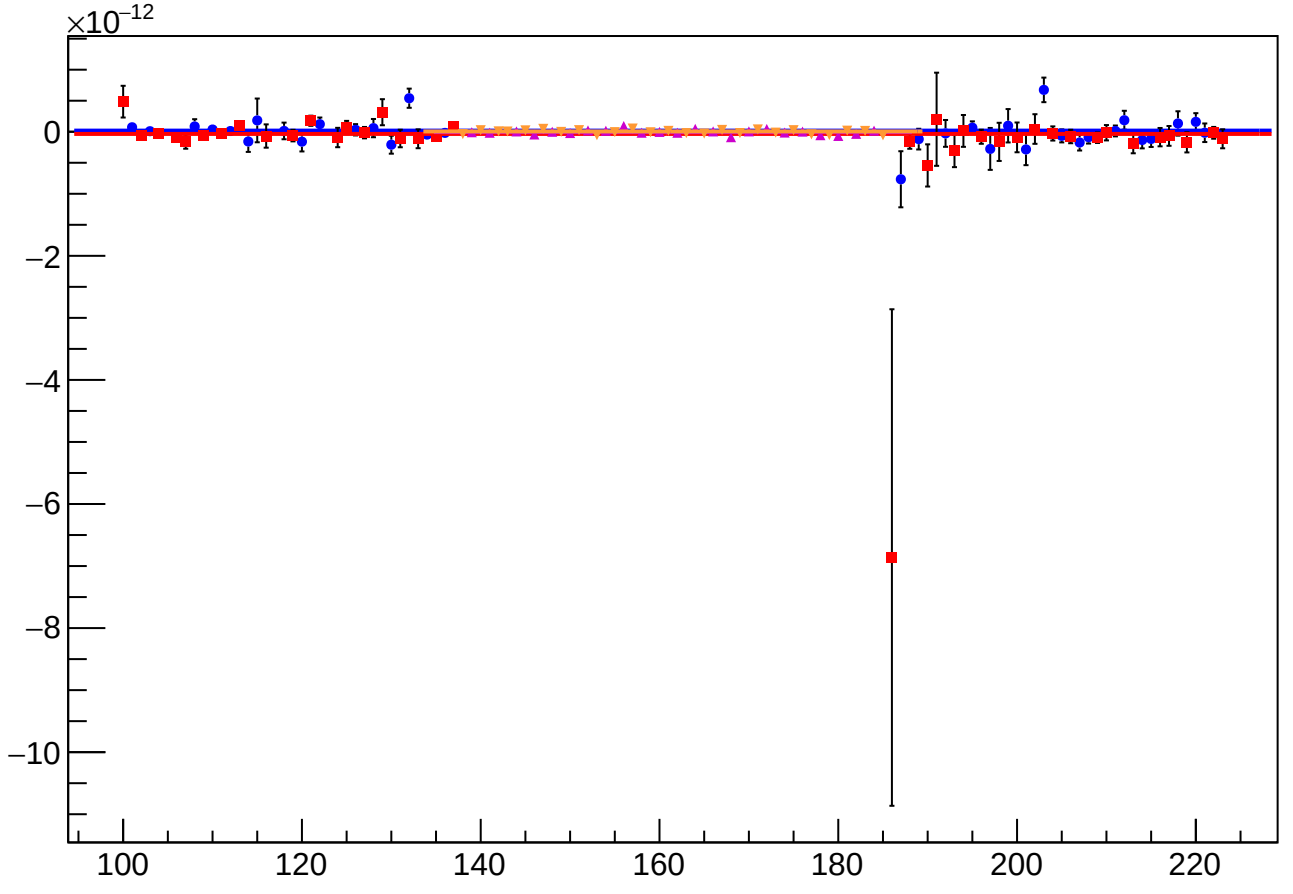
Right Out: 842.609+/-0.139 χ^2/NDF: 8705471.5/38

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 760.825+/-0.089 χ^2/NDF: 8592239.5/58

All: 756.517+/-0.063 χ^2/NDF: 18585198.4/12

- sign 752.201+/-0.089 χ^2/NDF: 9988223.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 49.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/38

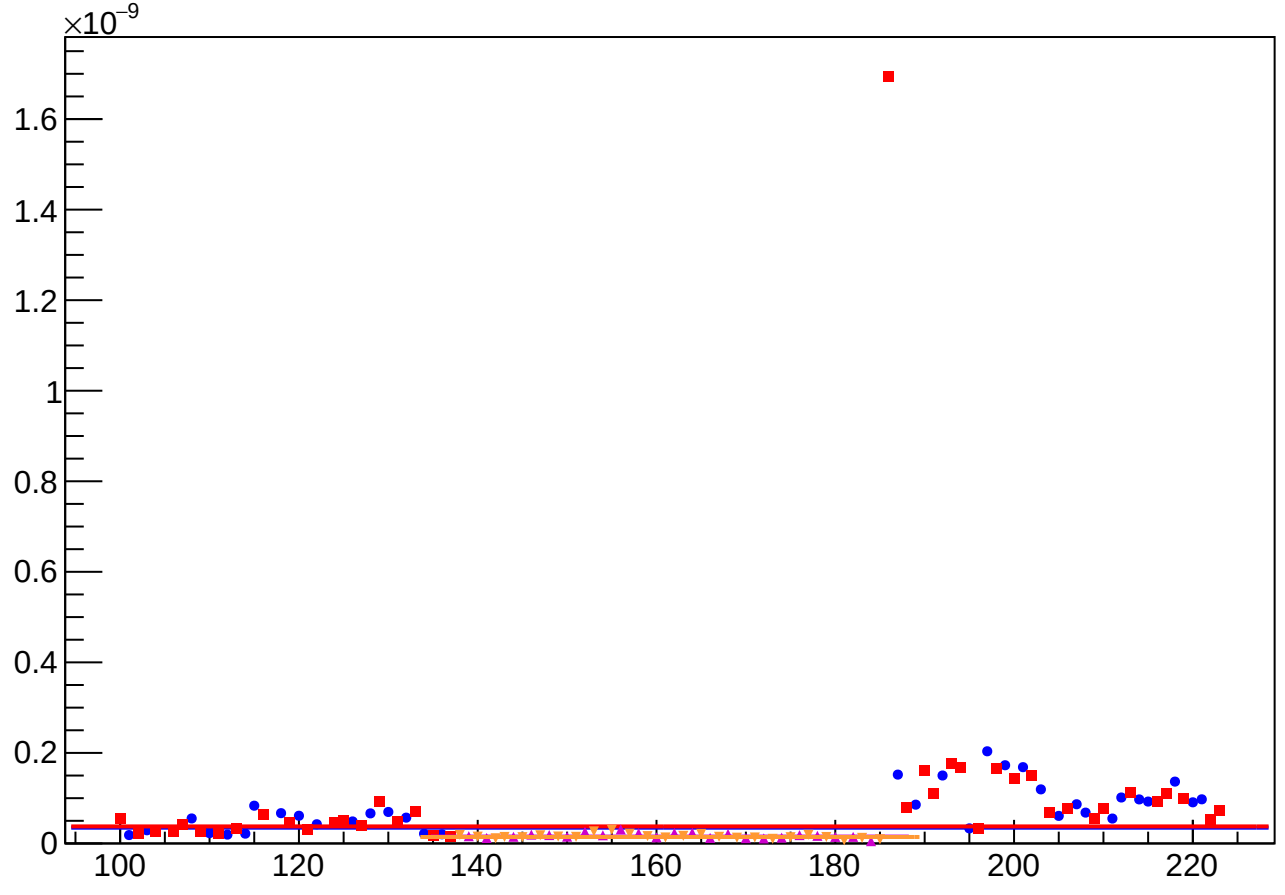
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.6/58

All: -0.000+/-0.000 χ^2/NDF: 144.4/120

- sign -0.000+/-0.000 χ^2/NDF: 66.9/61

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8131349.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

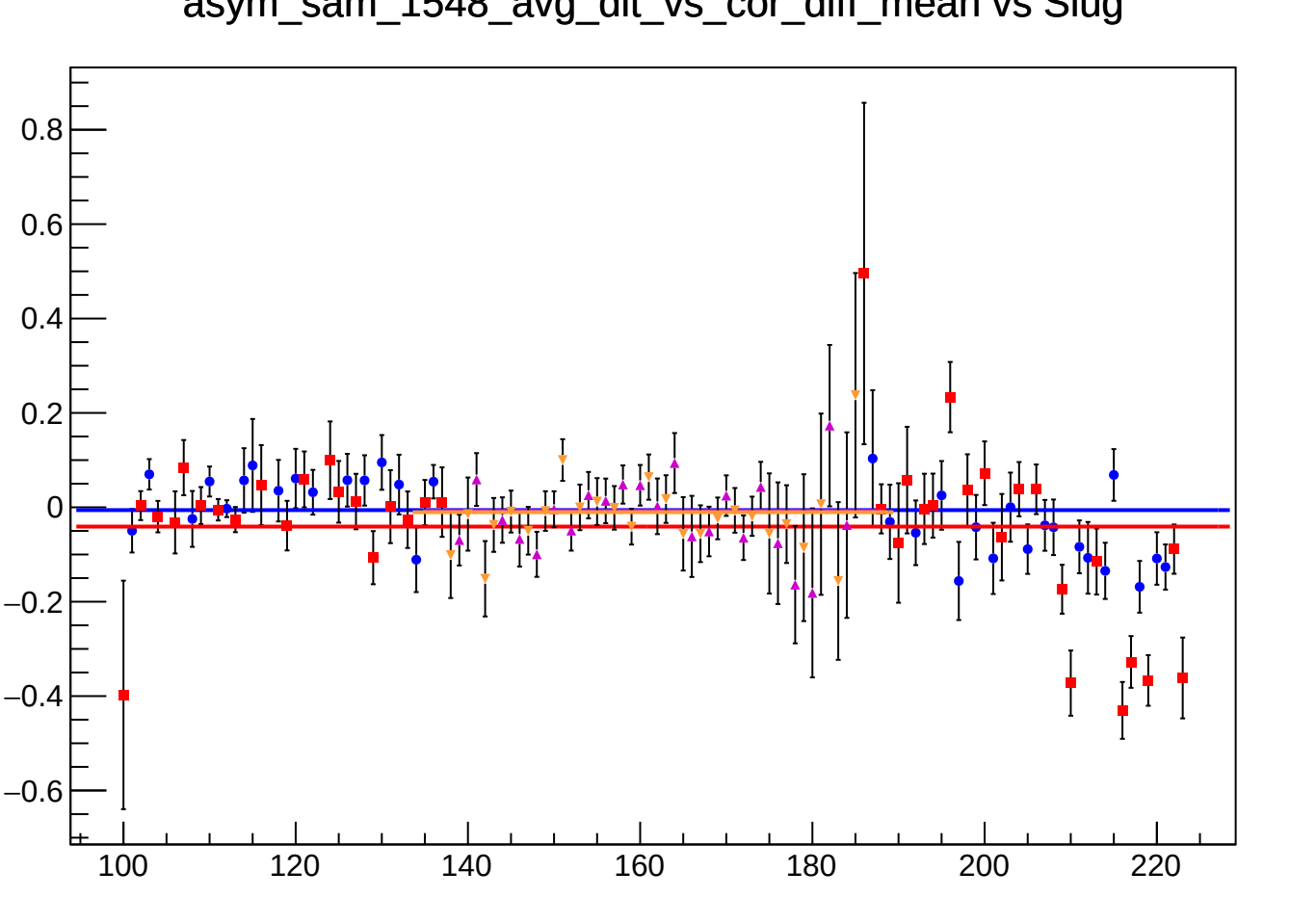
Right Out: 0.000+/-0.000 χ^2/NDF: 7111596.4/38

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12907448.5/58

All: 0.000+/-0.000 χ^2/NDF: 25207068.4/120

- sign 0.000+/-0.000 χ^2/NDF: 12243849.8/61



Right In: -0.006+/-0.008 χ^2/NDF: 64.6/33

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.041+/-0.008 χ^2/NDF: 203.2/38

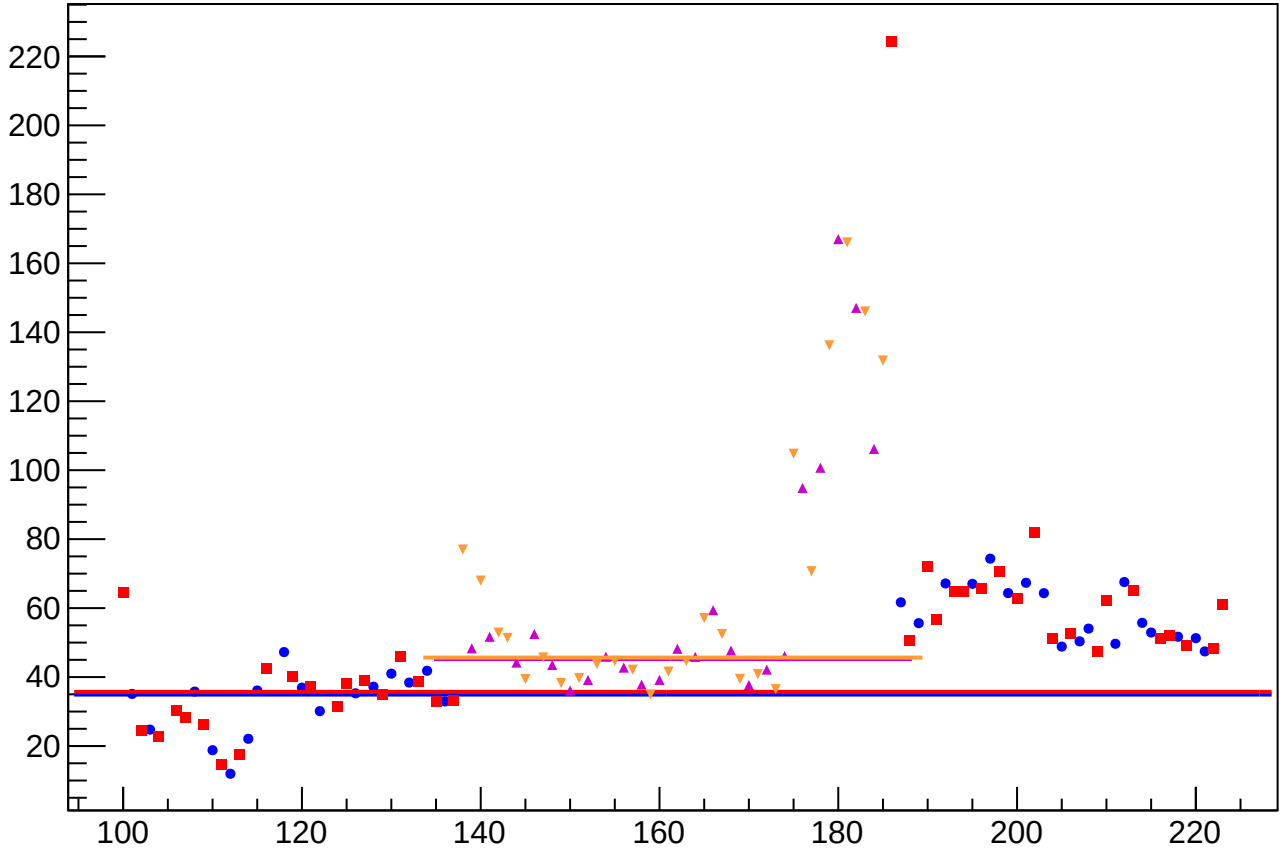
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 82.8/58

All: -0.018+/-0.005 χ^2/NDF: 319.7/120

- sign -0.029+/-0.007 χ^2/NDF: 231.9/61

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.929+/-0.006 χ^2/NDF: 8776549.7/33

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

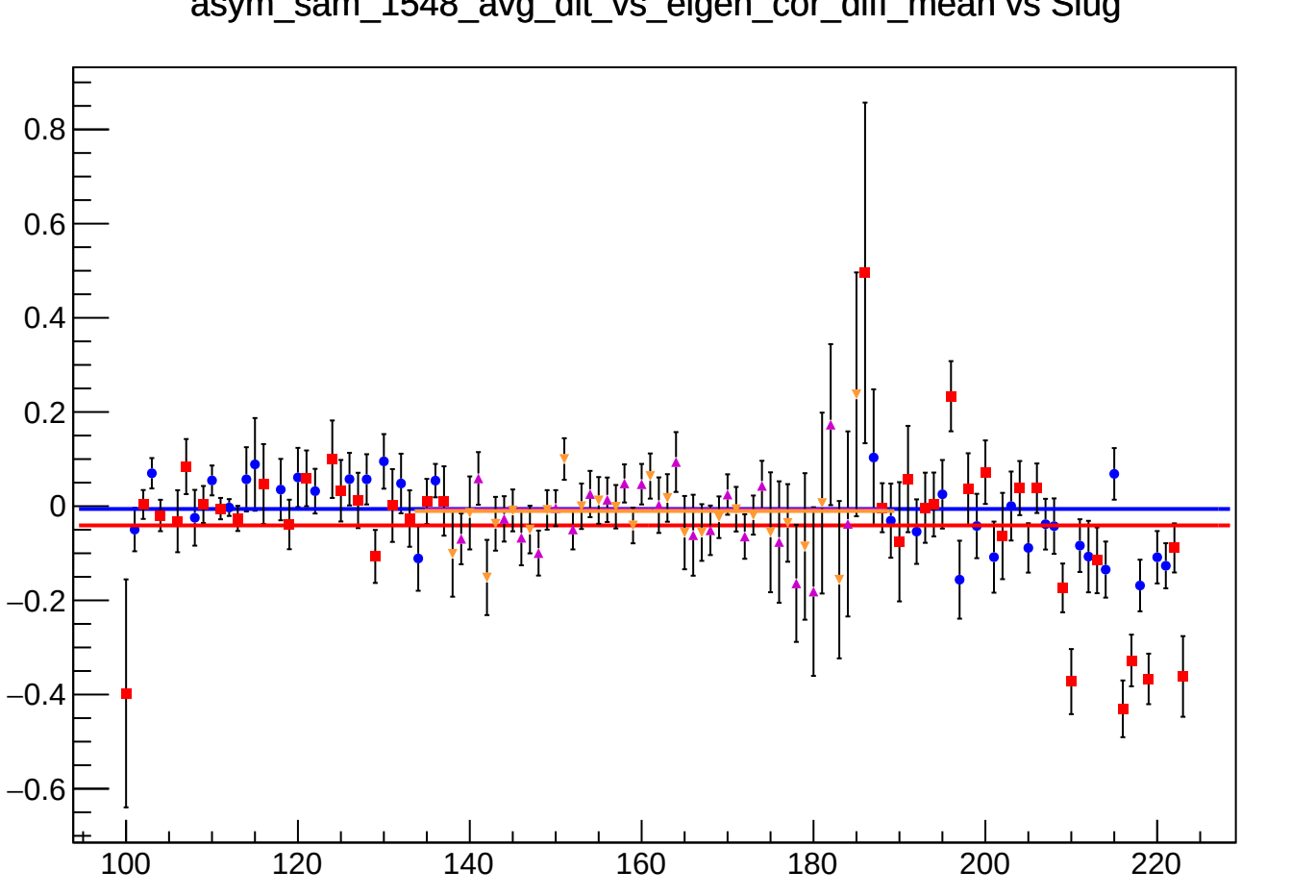
Right Out: 35.710+/-0.006 χ^2/NDF: 8534005.9/38

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

\+ sign 38.811+/-0.005 χ^2/NDF: 13945289.9/58

All: 38.954+/-0.003 χ^2/NDF: 26366317.7/120

\- sign 39.099+/-0.005 χ^2/NDF: 12419243.9/61



Right In: -0.006+/-0.008 χ^2/NDF: 64.6/33

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

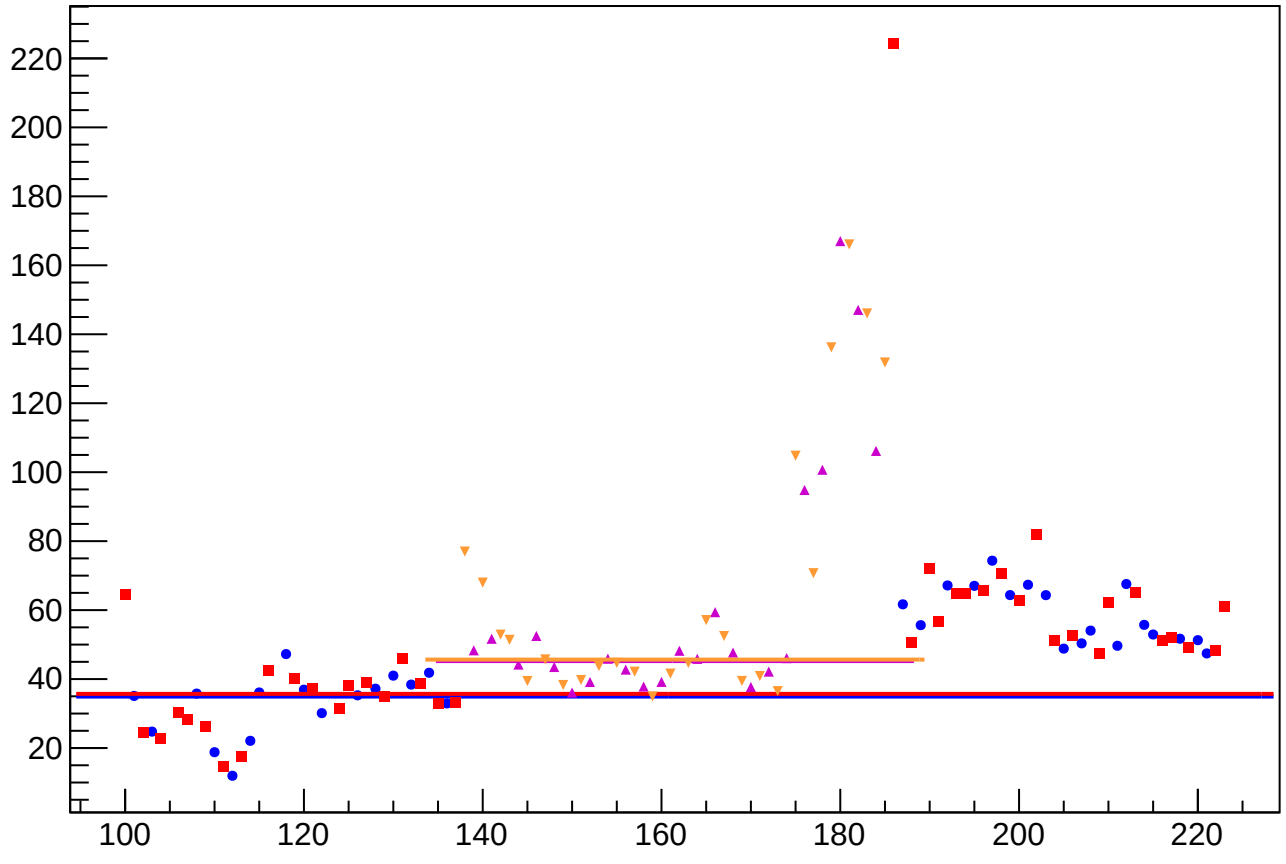
Right Out: -0.041+/-0.008 χ^2/NDF: 203.2/38

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 82.8/58

All: -0.018+/-0.005 χ^2/NDF: 319.7/120

- sign -0.029+/-0.007 χ^2/NDF: 231.9/61



Right In: 34.929+/-0.006 χ^2/NDF: 8776549.7/33

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

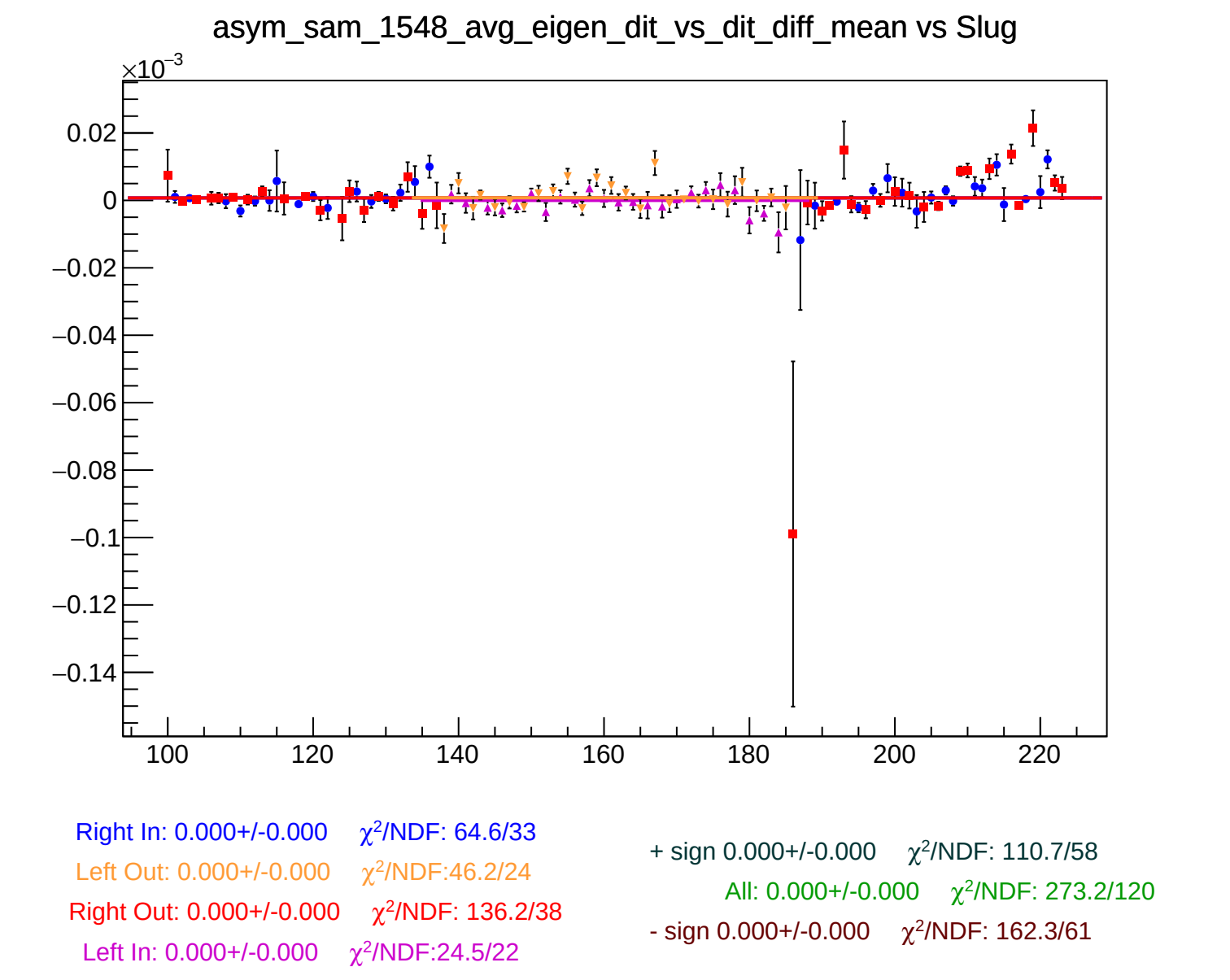
Right Out: 35.710+/-0.006 χ^2/NDF: 8534005.9/38

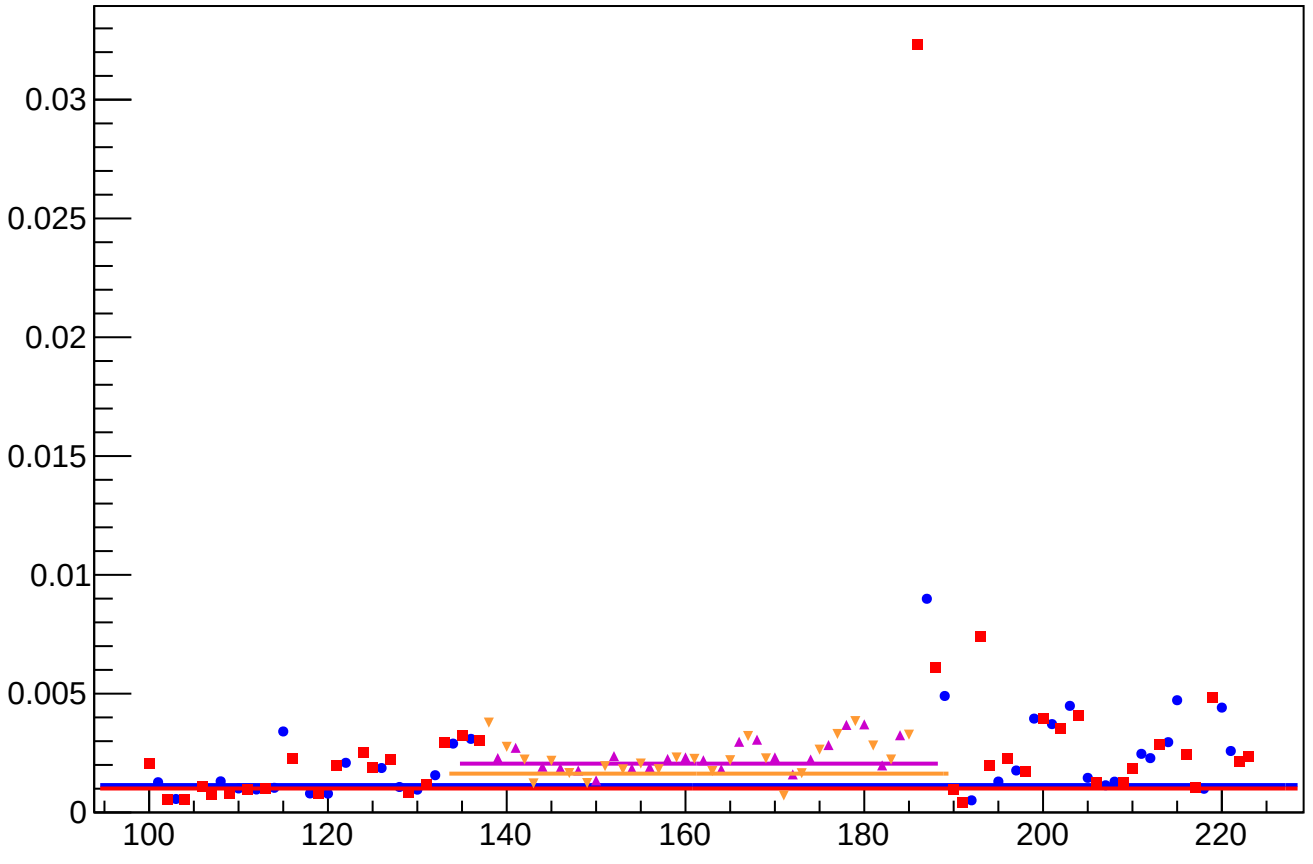
Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.811+/-0.005 χ^2/NDF: 13945289.9/58

All: 38.954+/-0.003 χ^2/NDF: 26366317.7/120

- sign 39.099+/-0.005 χ^2/NDF: 12419243.9/61


asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 64.6/33
Left Out: 0.000+/-0.000 χ²/NDF:46.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 136.2/38
Left In: 0.000+/-0.000 χ²/NDF:24.5/22
+ sign 0.000+/-0.000 χ²/NDF: 110.7/58
All: 0.000+/-0.000 χ²/NDF: 273.2/120
- sign 0.000+/-0.000 χ²/NDF: 162.3/61



Right In: 0.001+/-0.000 χ^2/NDF: 11770717.7/33

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

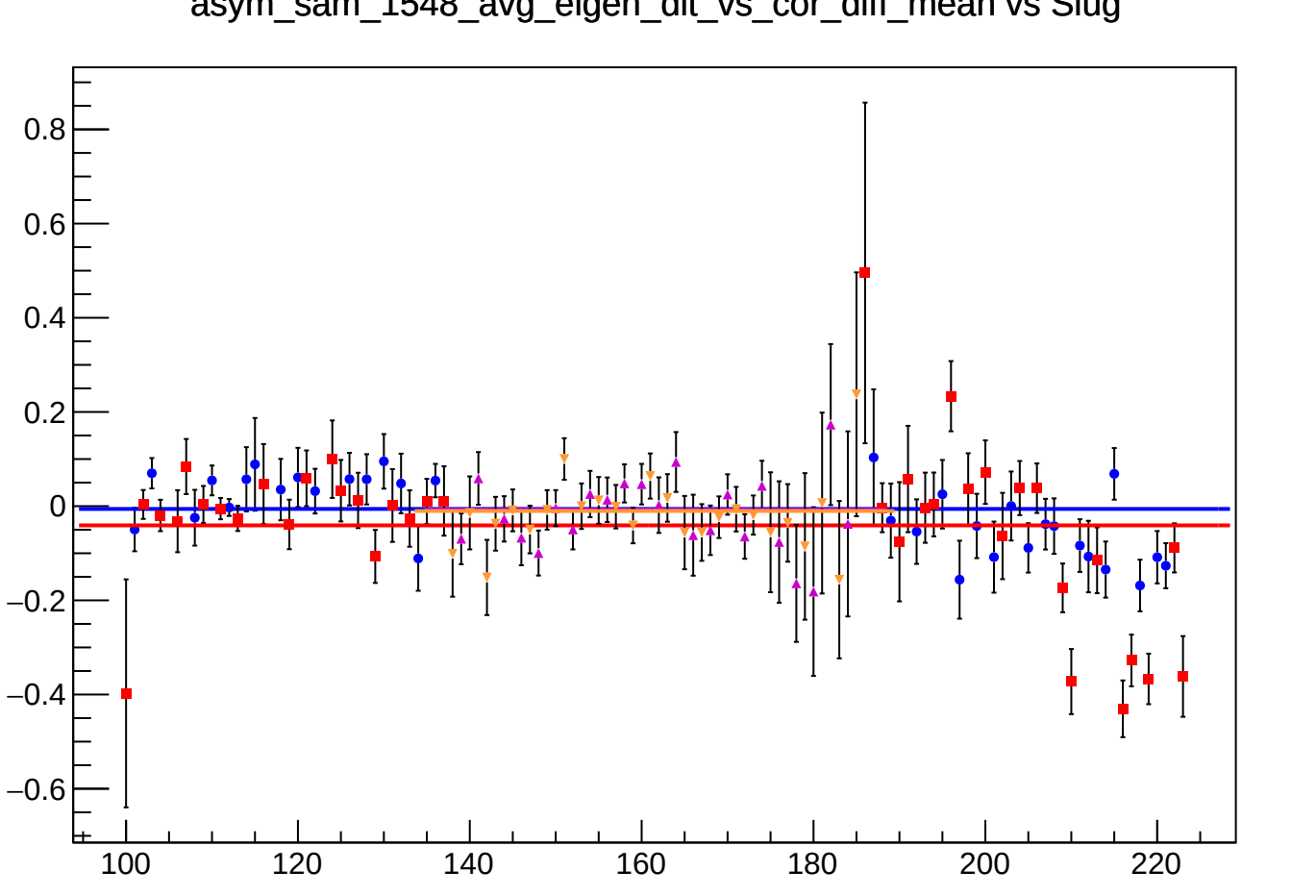
Right Out: 0.001+/-0.000 χ^2/NDF: 15691443.5/38

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 20037507.1/58

All: 0.001+/-0.000 χ^2/NDF: 44704965.2/120

- sign 0.001+/-0.000 χ^2/NDF: 24556480.4/61



Right In: -0.006+/-0.008 χ^2/NDF: 64.6/33

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

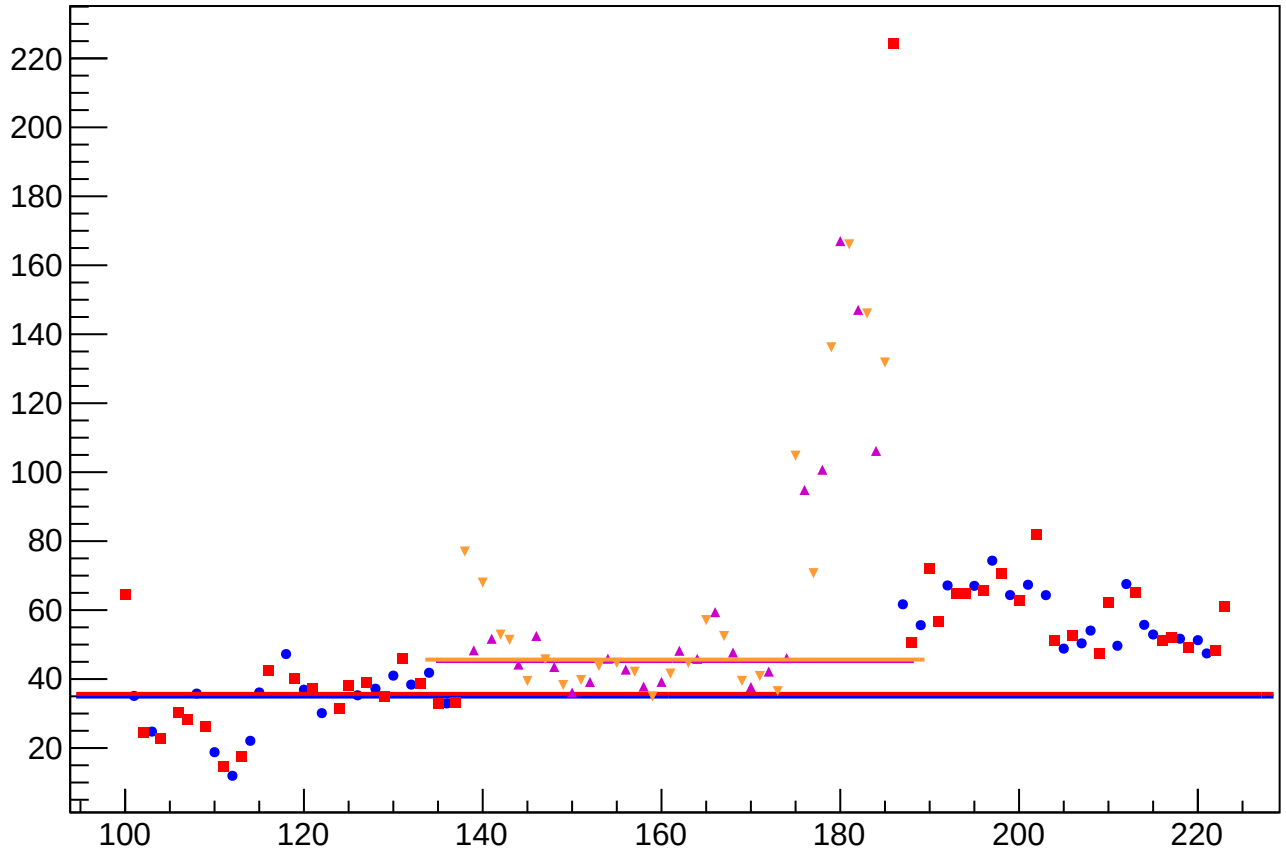
Right Out: -0.041+/-0.008 χ^2/NDF: 203.2/38

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 82.8/58

All: -0.018+/-0.005 χ^2/NDF: 319.7/120

- sign -0.029+/-0.007 χ^2/NDF: 231.9/61



Right In: 34.928+/-0.006 χ^2/NDF: 8776831.9/33

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

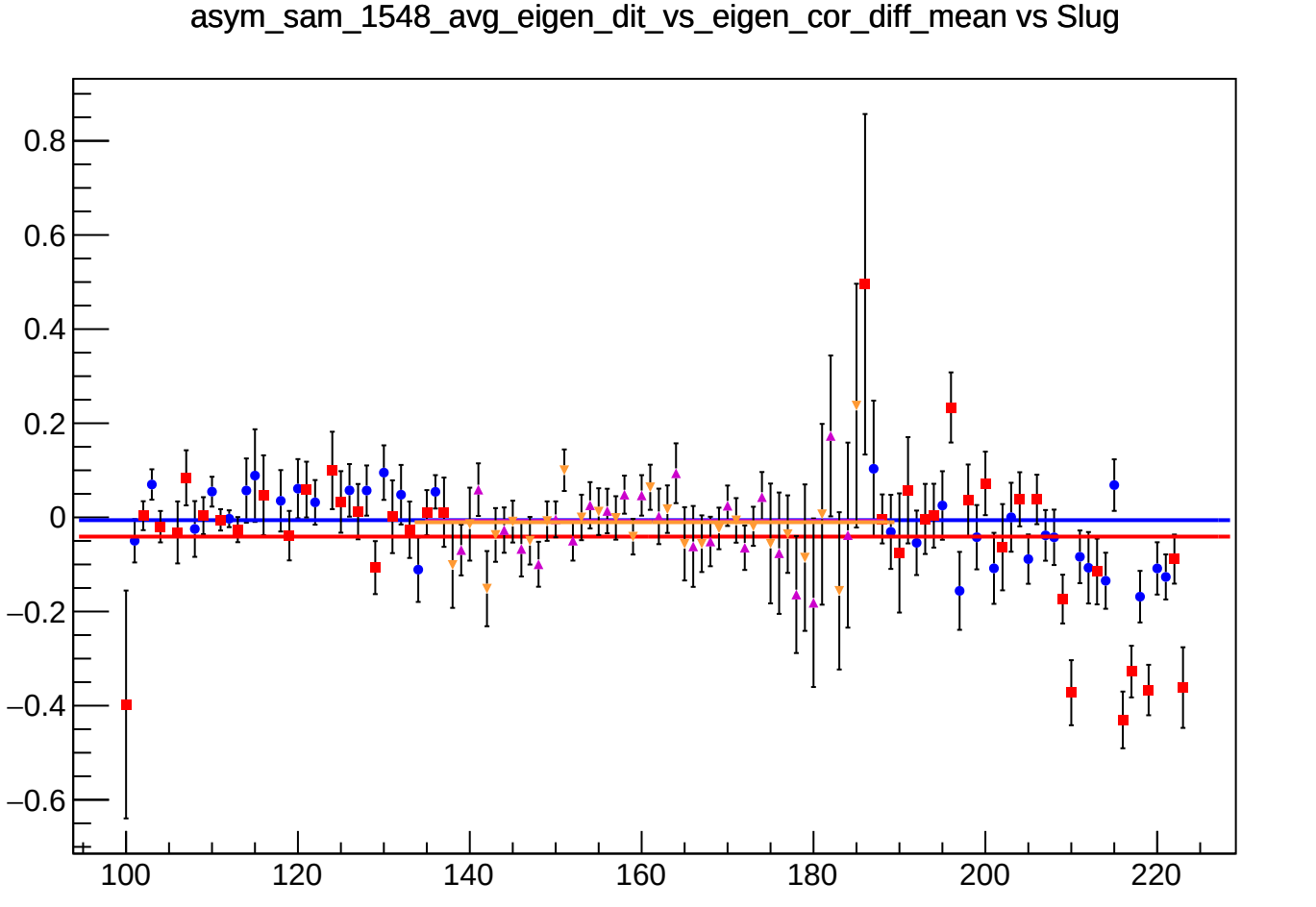
Right Out: 35.710+/-0.006 χ^2/NDF: 8534239.2/38

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.811+/-0.005 χ^2/NDF: 13945718.6/58

All: 38.954+/-0.003 χ^2/NDF: 26367063.7/120

- sign 39.098+/-0.005 χ^2/NDF: 12419559.4/61



Right In: -0.006+/-0.008 χ^2/NDF: 64.6/33

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

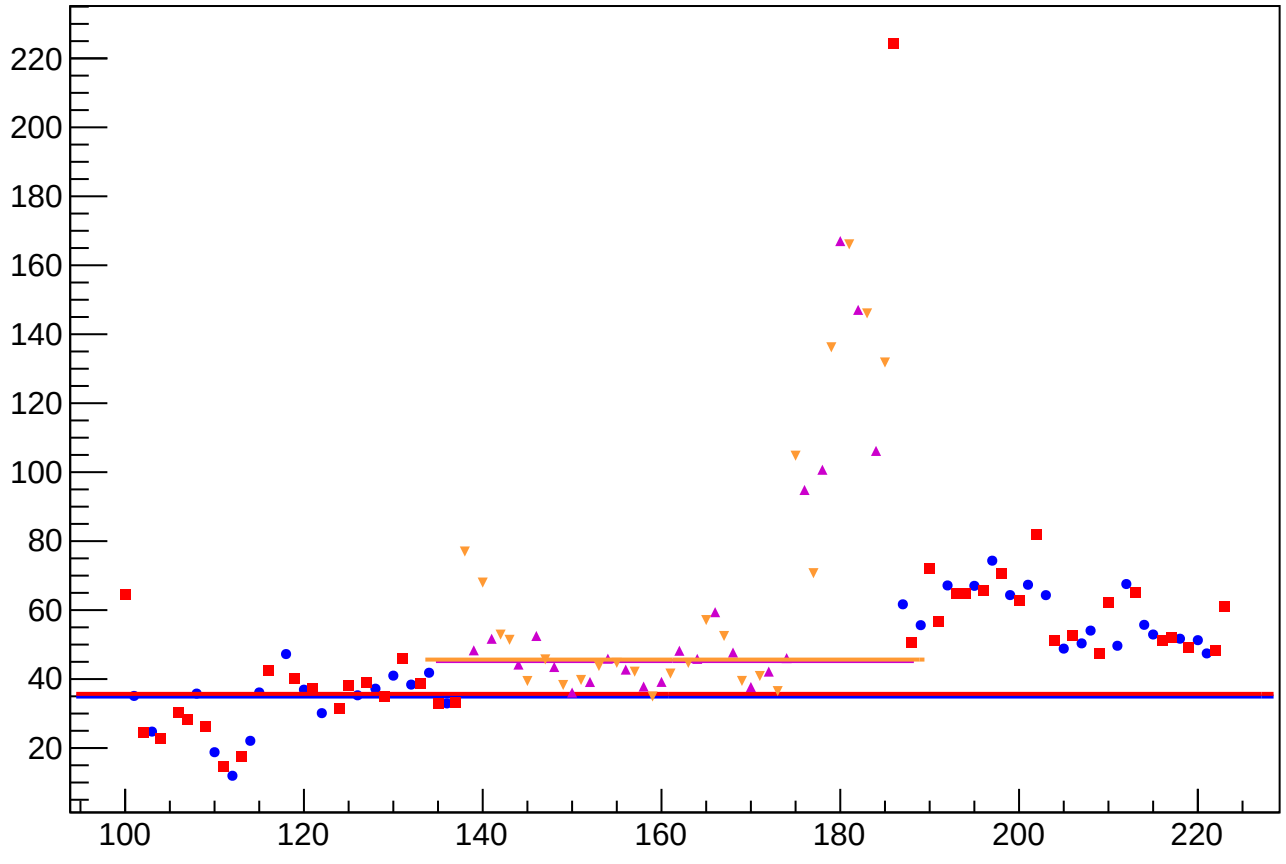
Right Out: -0.041+/-0.008 χ^2/NDF: 203.2/38

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 82.8/58

All: -0.018+/-0.005 χ^2/NDF: 319.7/120

- sign -0.029+/-0.007 χ^2/NDF: 231.9/61



Right In: 34.928+/-0.006 χ^2/NDF: 8776831.9/33

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

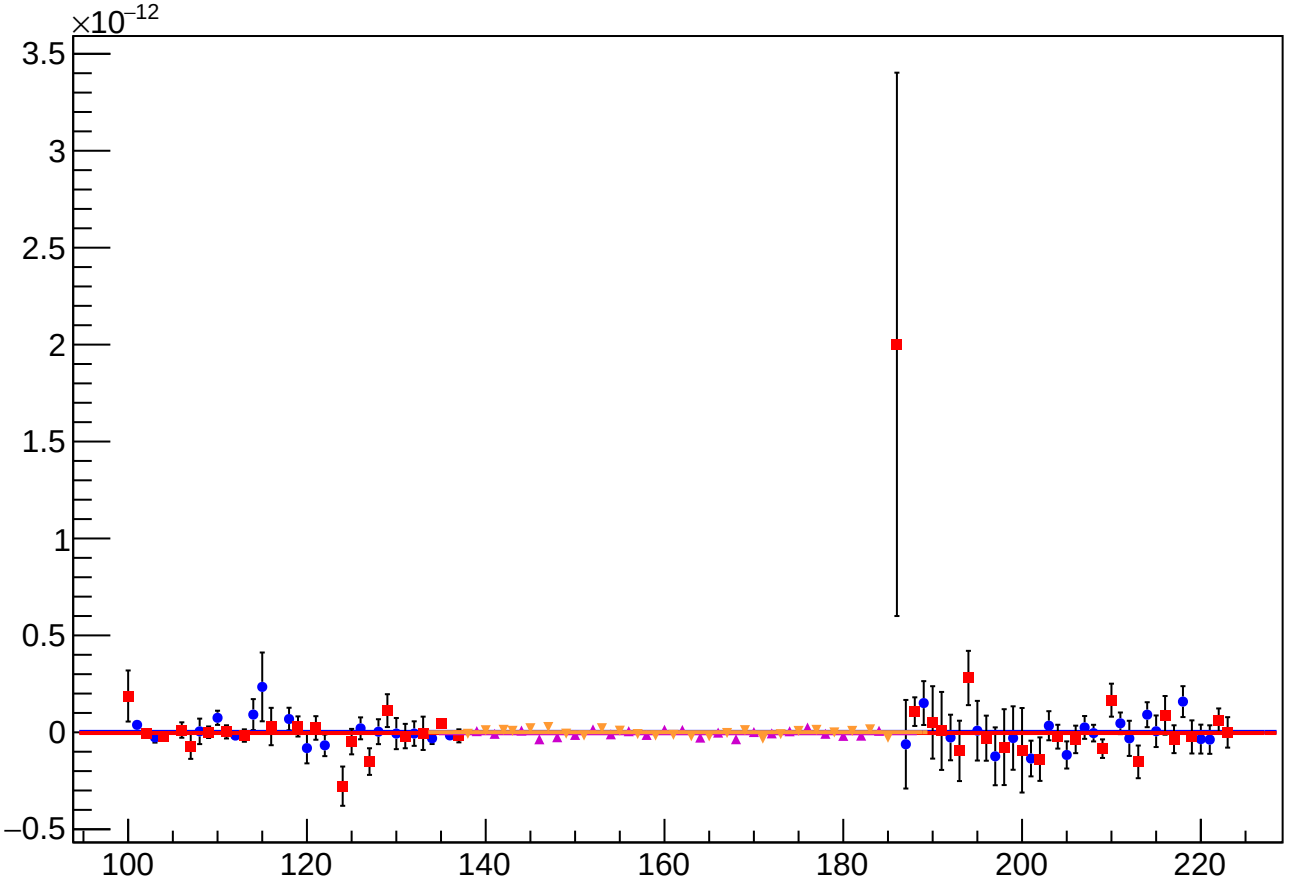
Right Out: 35.710+/-0.006 χ^2/NDF: 8534239.2/38

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.811+/-0.005 χ^2/NDF: 13945718.6/58

All: 38.954+/-0.003 χ^2/NDF: 26367063.7/120

- sign 39.098+/-0.005 χ^2/NDF: 12419559.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

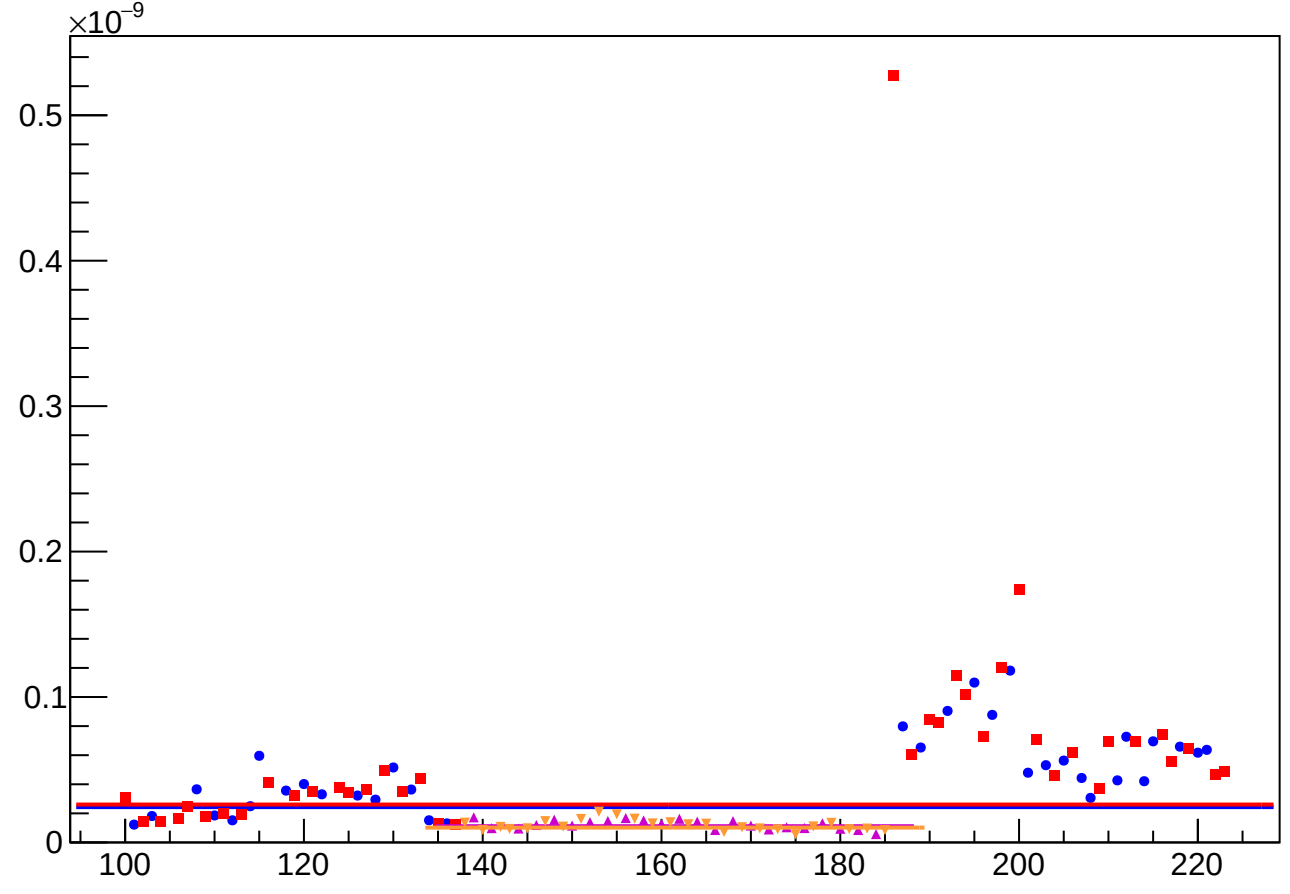
Right Out: -0.000+/-0.000 χ^2/NDF: 46.6/38

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.3/58

All: -0.000+/-0.000 χ^2/NDF: 131.5/120

- sign -0.000+/-0.000 χ^2/NDF: 70.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 9934288.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10583934.9/38

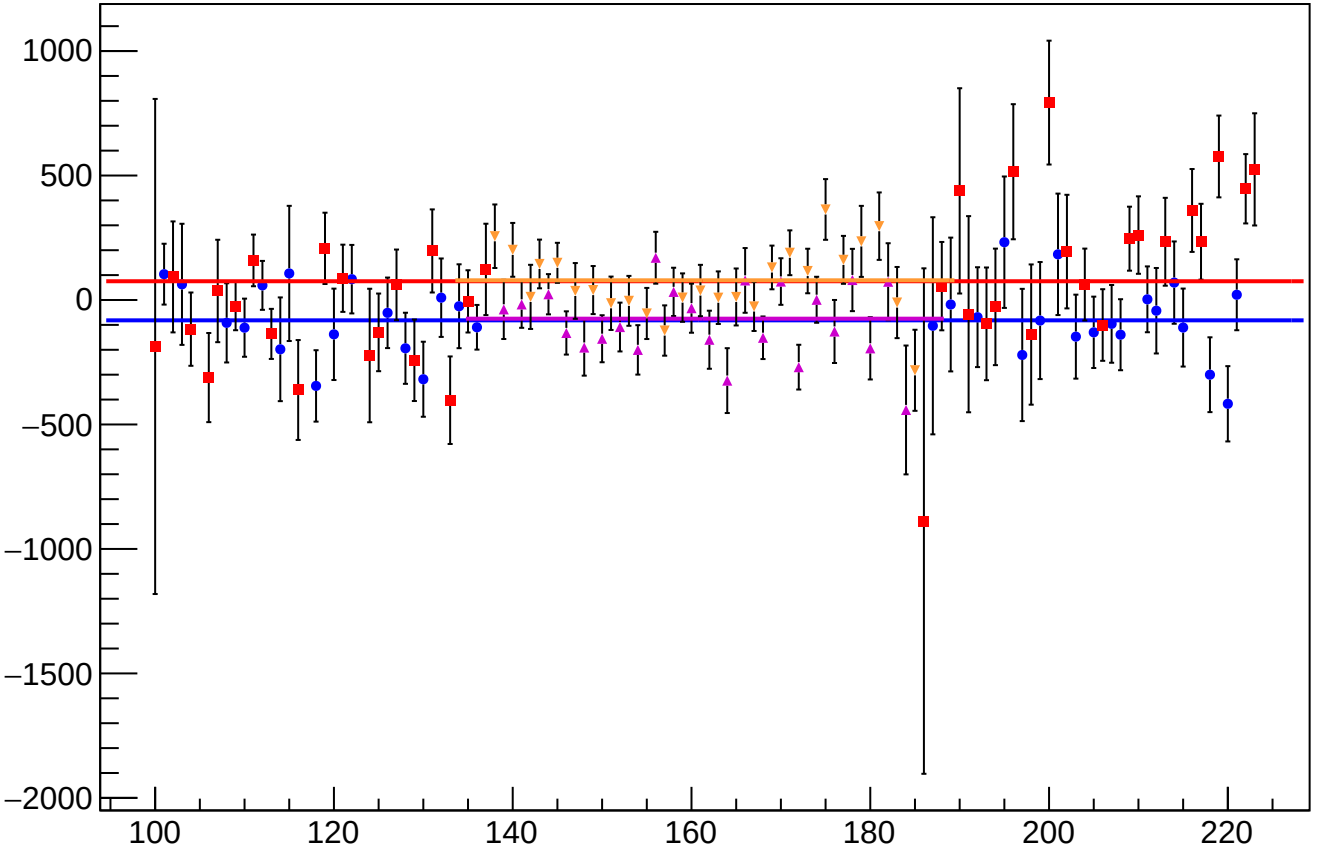
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17874734.8/58

All: 0.000+/-0.000 χ^2/NDF: 35798428.9/120

- sign 0.000+/-0.000 χ^2/NDF: 17760143.6/61

reg_asym_sam_3748_avg_mean vs Slug



Right In: -81.718+/-26.748 χ^2/NDF: 26.4/33

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 75.332+/-26.584 χ^2/NDF: 77.7/38

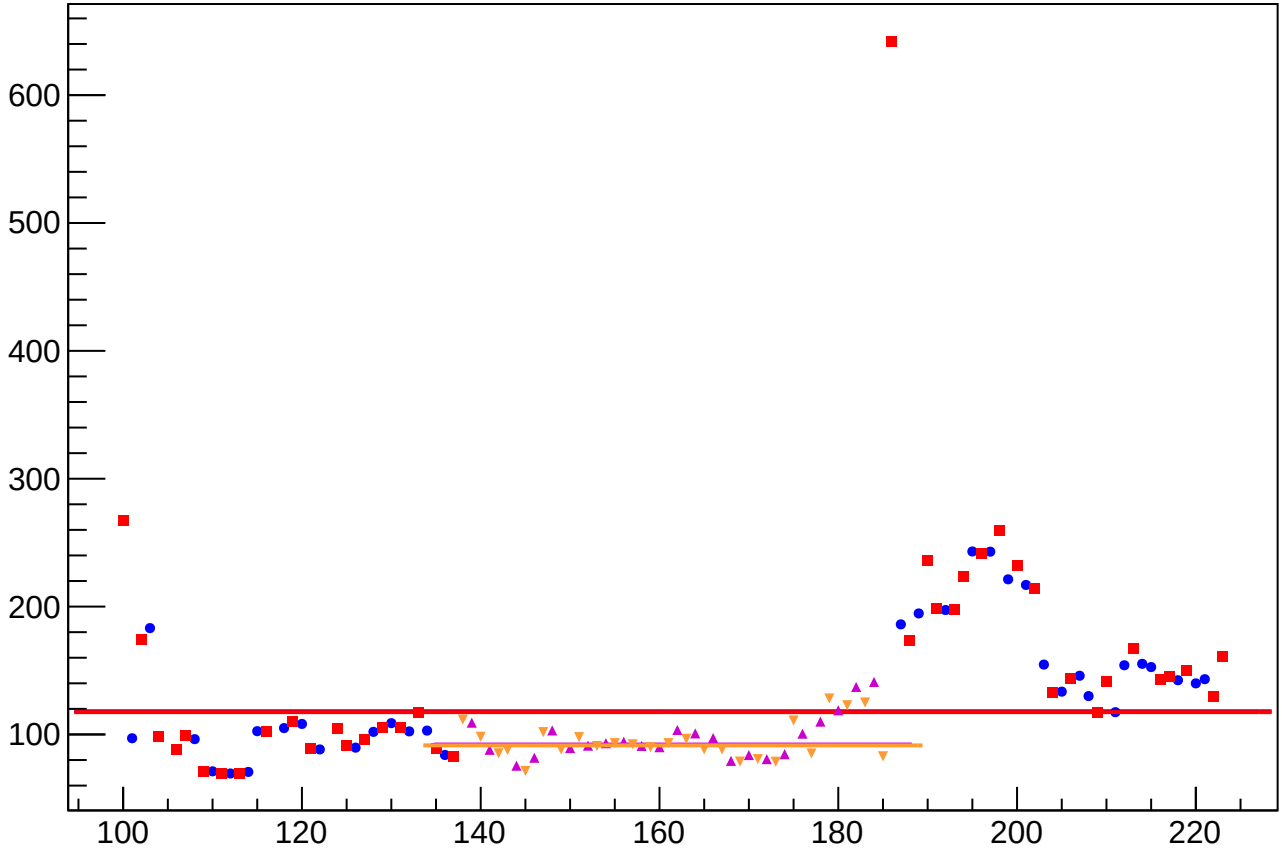
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 17.403+/-16.567 χ^2/NDF: 80.7/58

All: 1.763+/-11.822 χ^2/NDF: 211.9/120

- sign -14.461+/-16.874 χ^2/NDF: 129.4/61

reg_asym_sam_3748_avg_rms vs Slug



Right In: 118.089+/-0.019 χ^2/NDF: 4482835.5/33

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

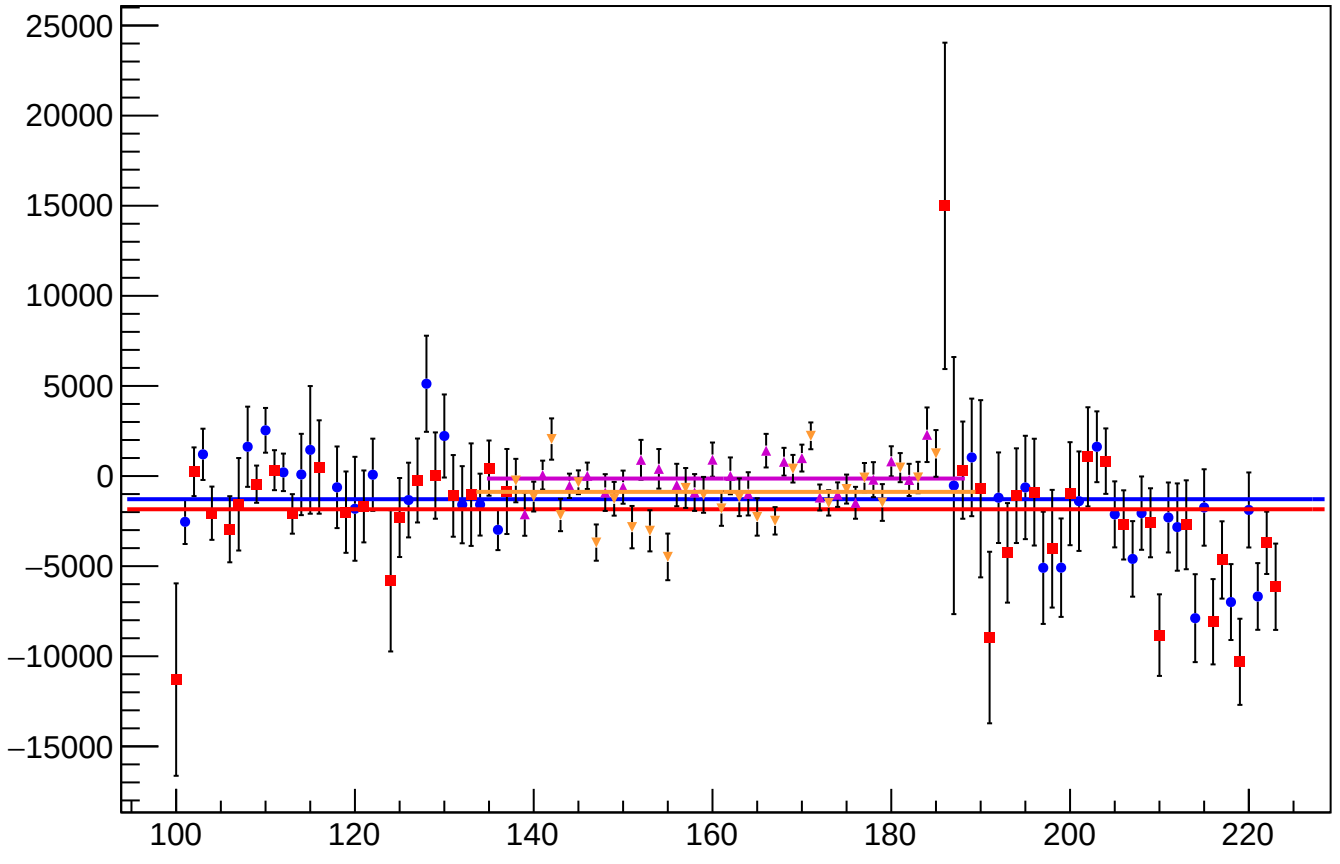
Right Out: 117.457+/-0.019 χ^2/NDF: 5970199.5/38

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.677+/-0.012 χ^2/NDF: 6455669.7/58

All: 101.991+/-0.008 χ^2/NDF: 14213403.9/12

- sign 102.316+/-0.012 χ^2/NDF: 7756270.5/61



Right In: -1284.865+/-332.539 χ^2/NDF: 62.3/33

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1843.200+/-324.713 χ^2/NDF: 63.9/38

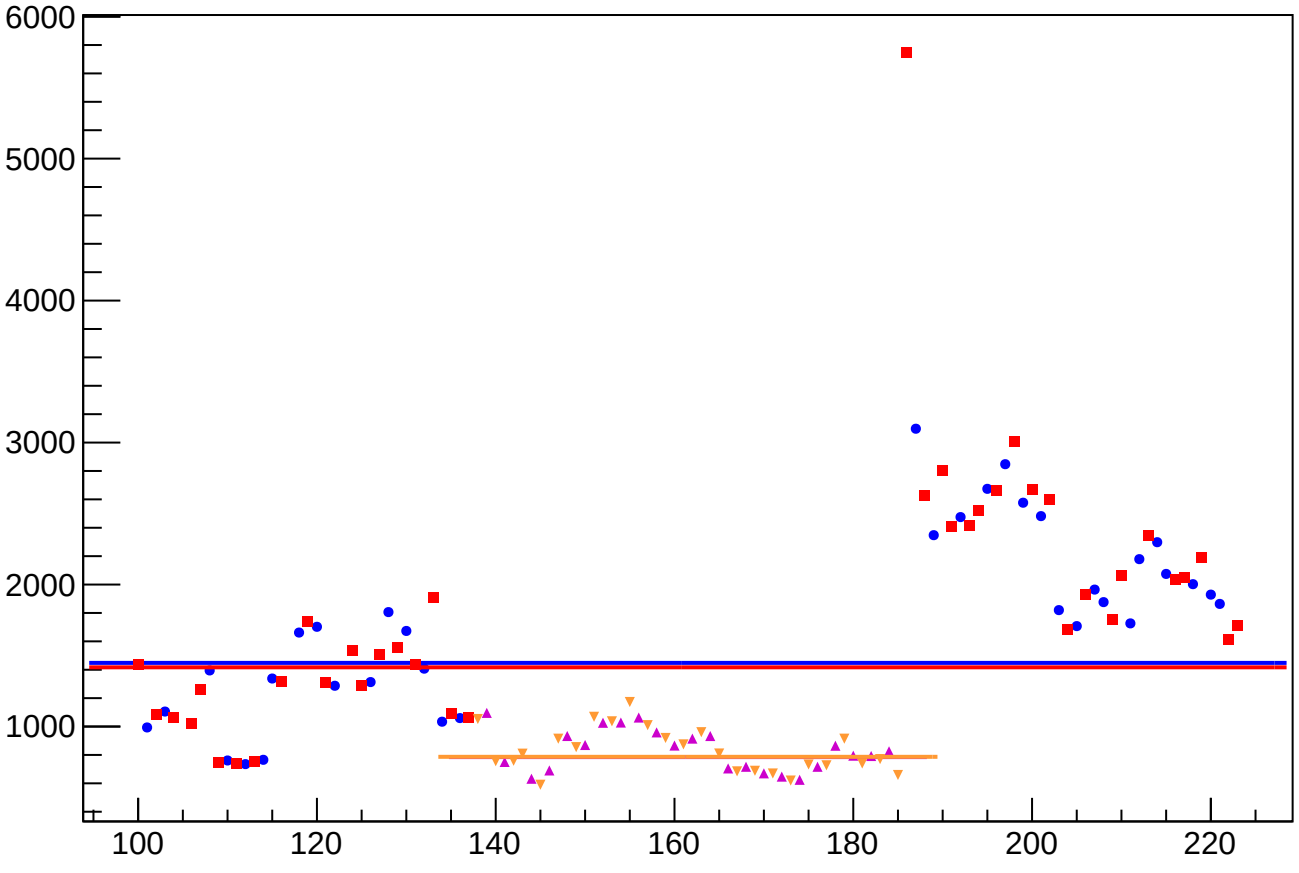
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

\+ sign -972.287+/-159.779 χ^2/NDF: 131.2/58

All: -769.574+/-113.679 χ^2/NDF: 243.3/120

\- sign -561.777+/-161.771 χ^2/NDF: 108.8/61

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1448.339+/-0.235 χ^2/NDF: 5886576.4/33

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1417.047+/-0.230 χ^2/NDF: 7474230.4/38

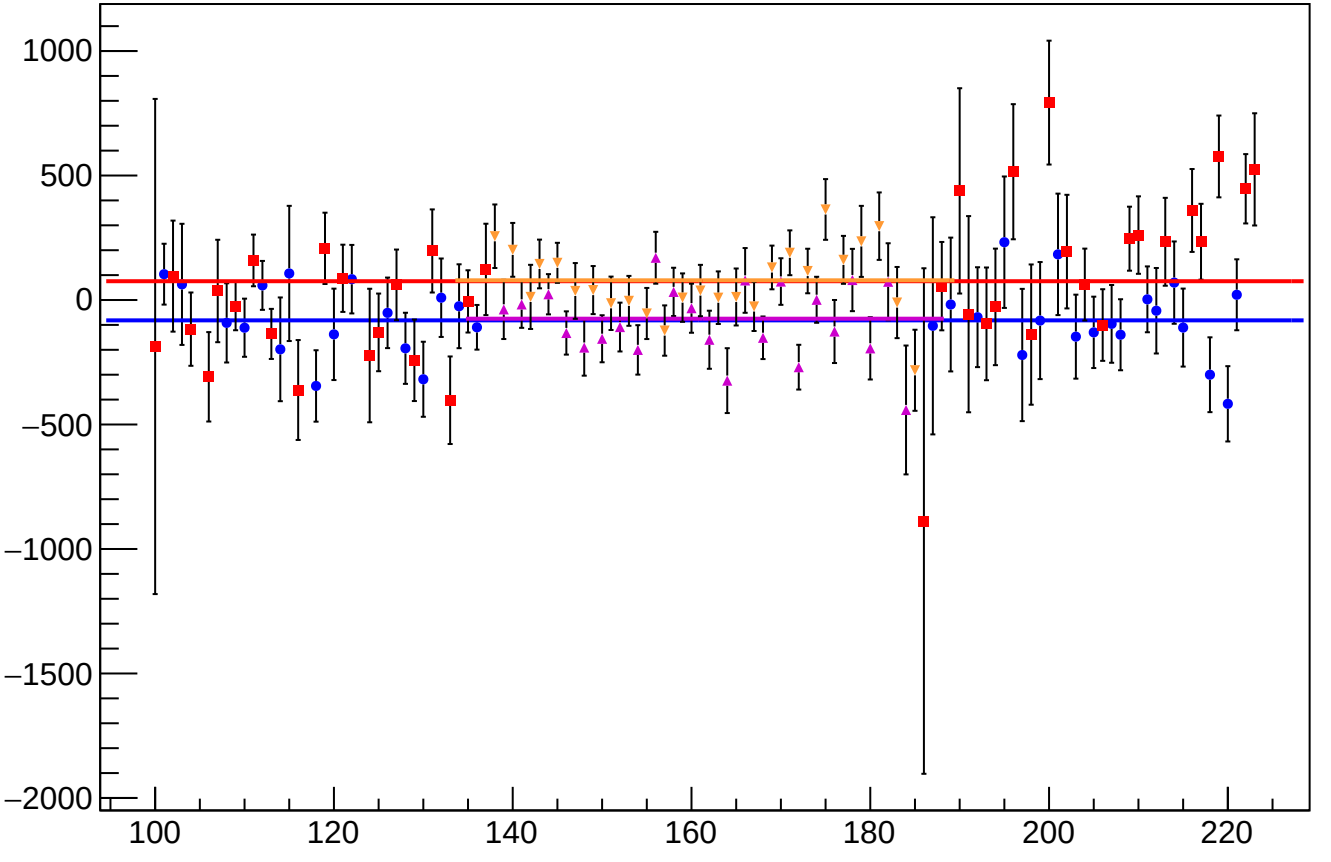
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 939.494+/-0.113 χ^2/NDF: 13186029.8/58

All: 940.607+/-0.080 χ^2/NDF: 27424015.4/12

- sign 941.749+/-0.114 χ^2/NDF: 14237788.9/61

cor_asym_sam_3748_avg_mean vs Slug



Right In: -81.727+/-26.748 χ^2/NDF: 26.4/33

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 75.495+/-26.586 χ^2/NDF: 77.5/38

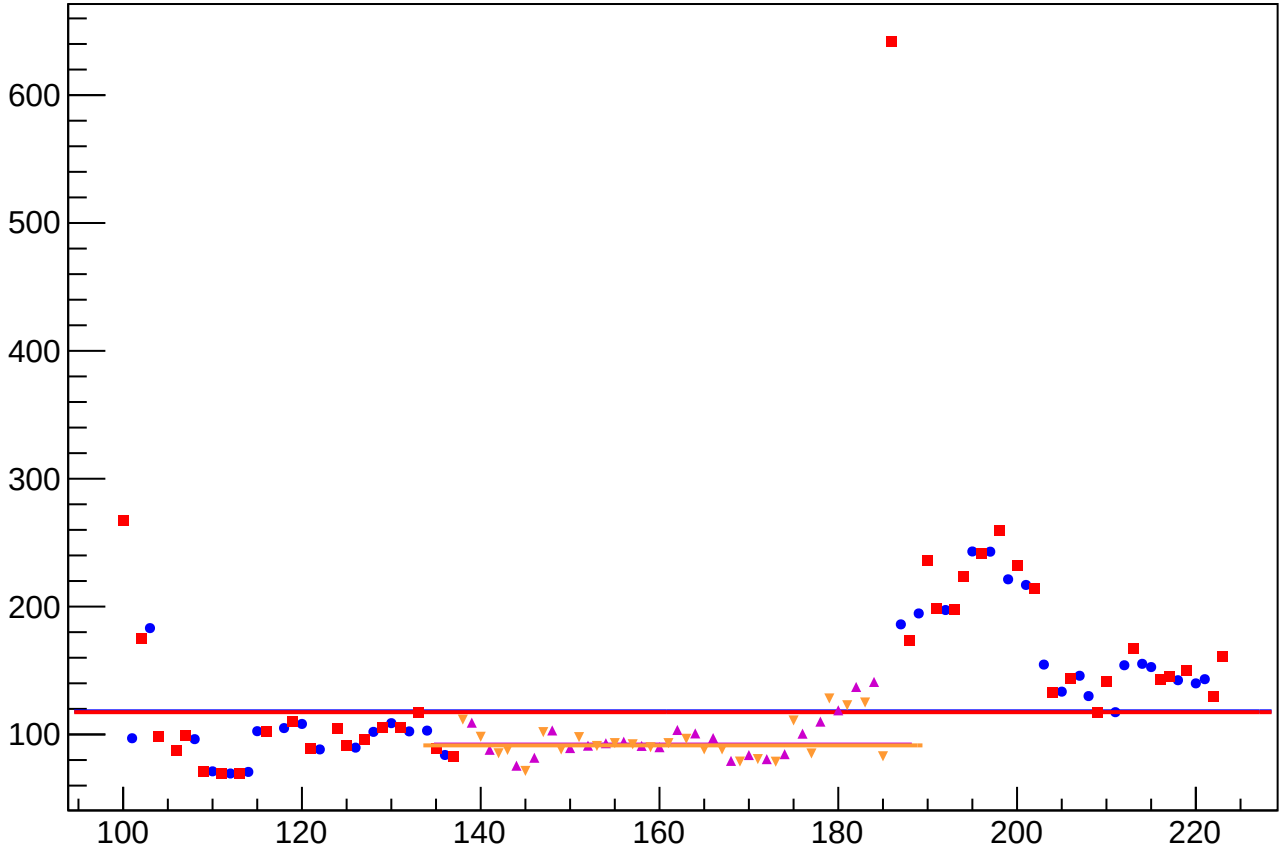
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 17.405+/-16.567 χ^2/NDF: 80.7/58

All: 1.794+/-11.822 χ^2/NDF: 211.8/120

- sign -14.402+/-16.874 χ^2/NDF: 129.3/61

cor_asym_sam_3748_avg_rms vs Slug



Right In: 118.089+/-0.019 χ^2/NDF: 4482838.4/33

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 117.433+/-0.019 χ^2/NDF: 5974899.4/38

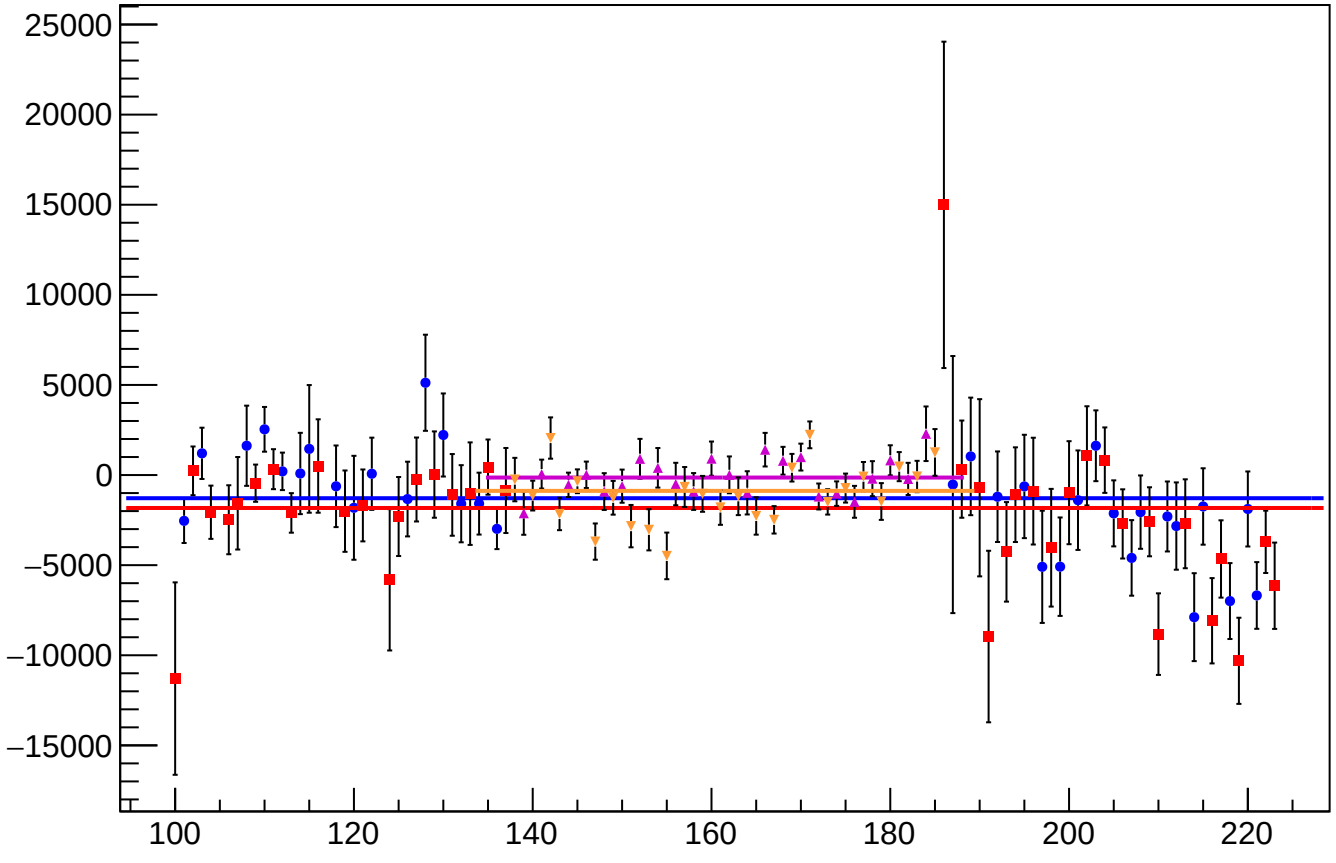
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.677+/-0.012 χ^2/NDF: 6455672.8/58

All: 101.985+/-0.008 χ^2/NDF: 14215858.2/12

- sign 102.306+/-0.012 χ^2/NDF: 7758770.7/61

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -1284.888+/-332.541 χ^2/NDF: 62.3/33

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1827.313+/-325.143 χ^2/NDF: 63.7/38

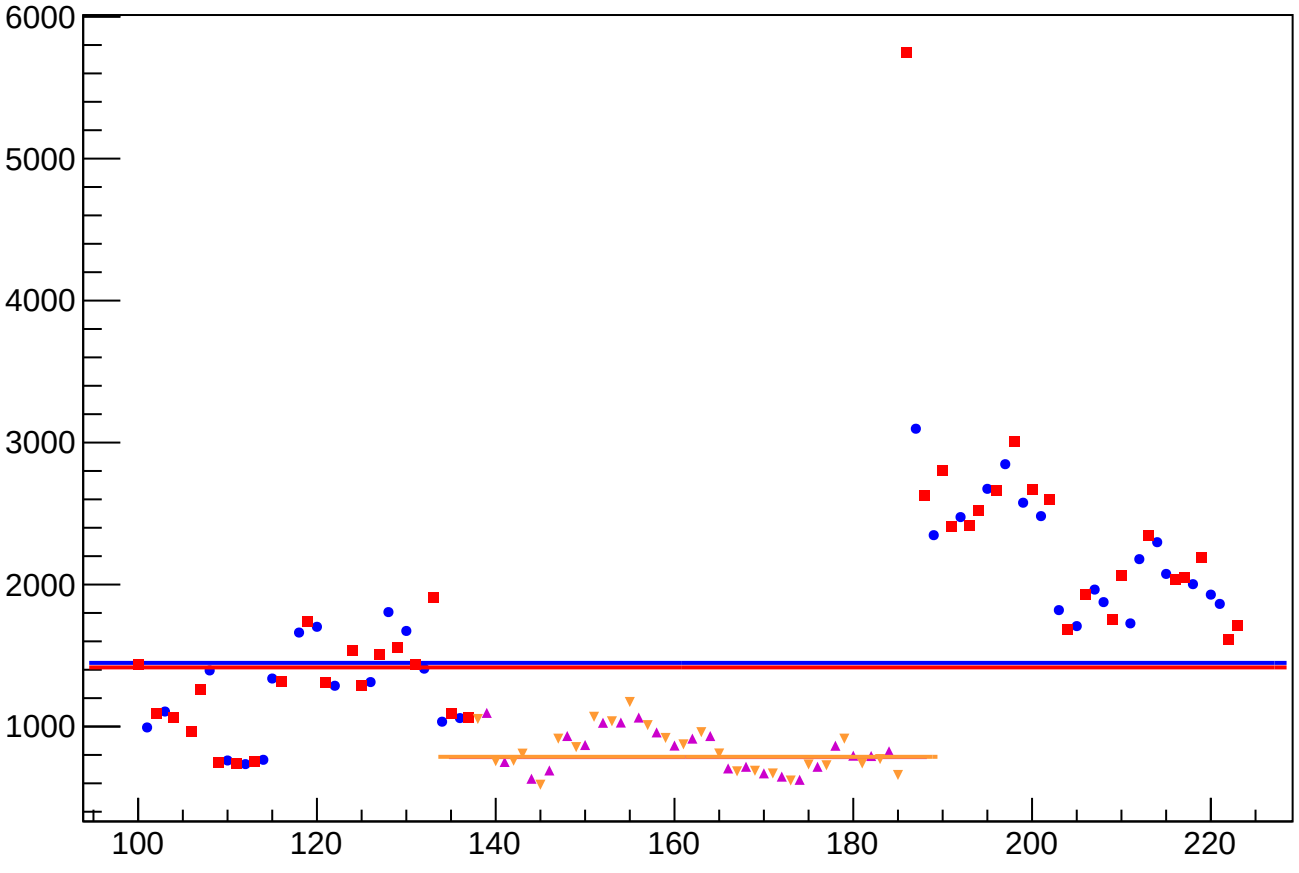
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -972.284+/-159.780 χ^2/NDF: 131.2/58

All: -767.283+/-113.697 χ^2/NDF: 242.7/120

- sign -557.003+/-161.824 χ^2/NDF: 108.1/61

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1448.349+/-0.235 χ^2/NDF: 5886487.2/33

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1416.486+/-0.230 χ^2/NDF: 7492185.8/38

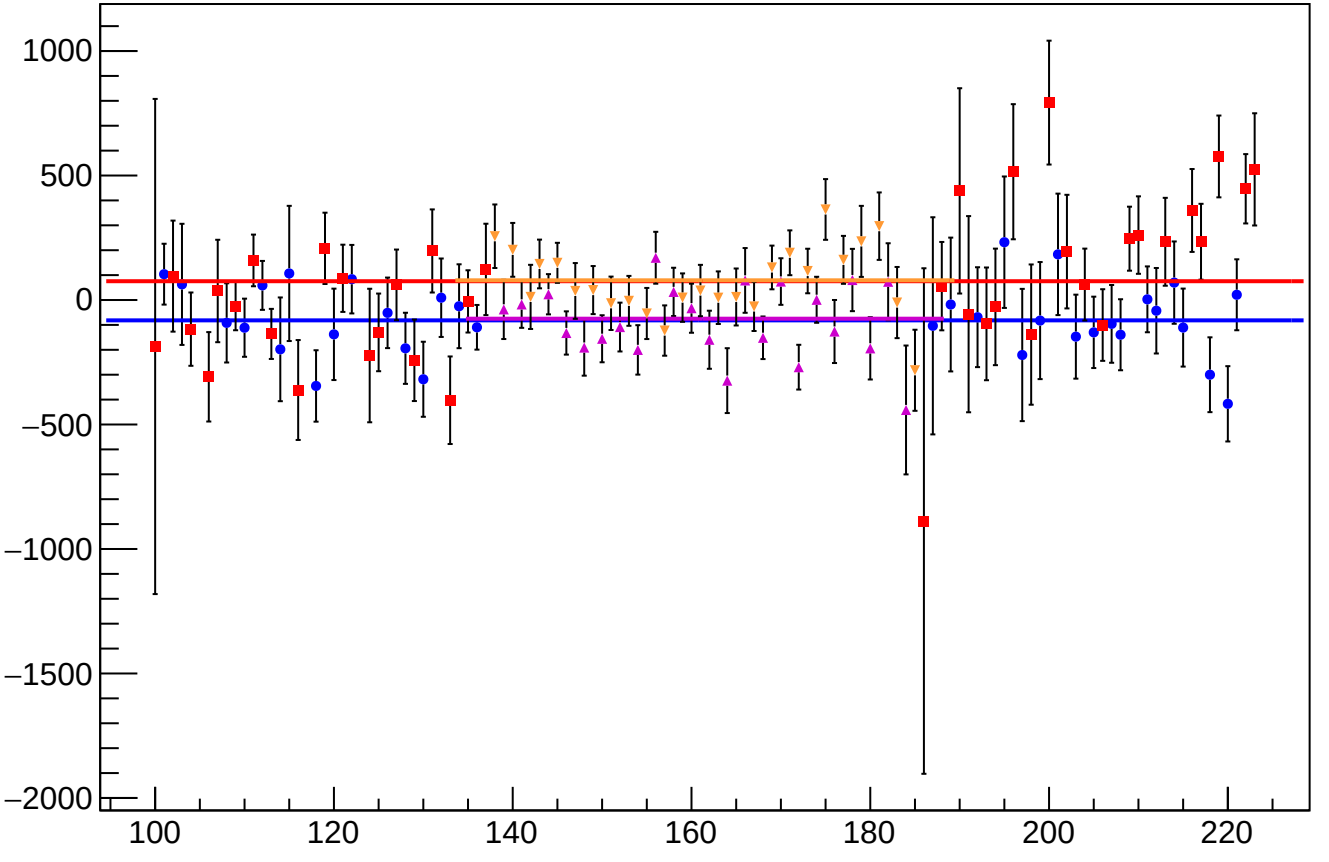
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 939.494+/-0.113 χ^2/NDF: 13186066.2/58

All: 940.385+/-0.080 χ^2/NDF: 27420511.4/12

- sign 941.298+/-0.114 χ^2/NDF: 14234319.4/61

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -81.727+/-26.748 χ^2/NDF: 26.4/33

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 75.495+/-26.586 χ^2/NDF: 77.5/38

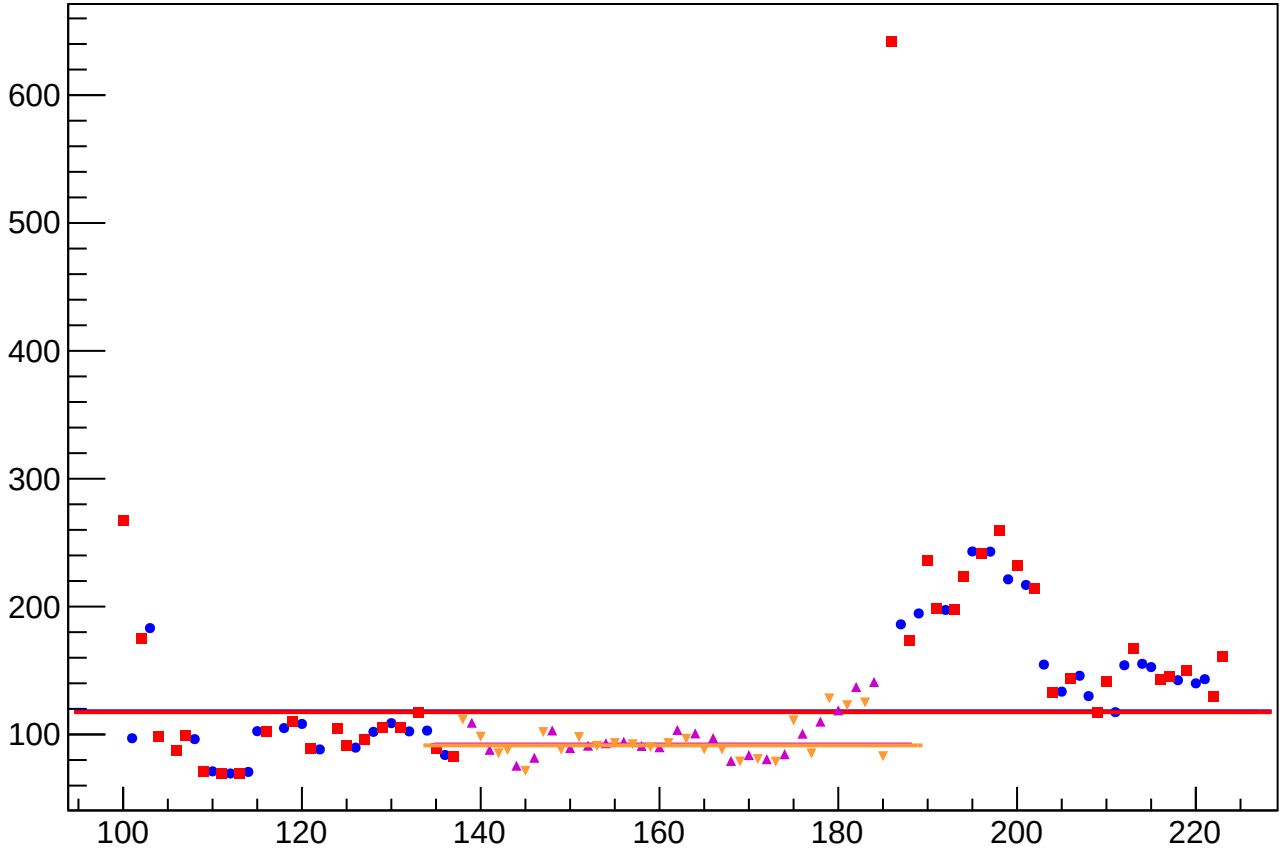
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 17.405+/-16.567 χ^2/NDF: 80.7/58

All: 1.794+/-11.822 χ^2/NDF: 211.8/120

- sign -14.402+/-16.874 χ^2/NDF: 129.3/61

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 118.089+/-0.019 χ^2/NDF: 4482838.4/33

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

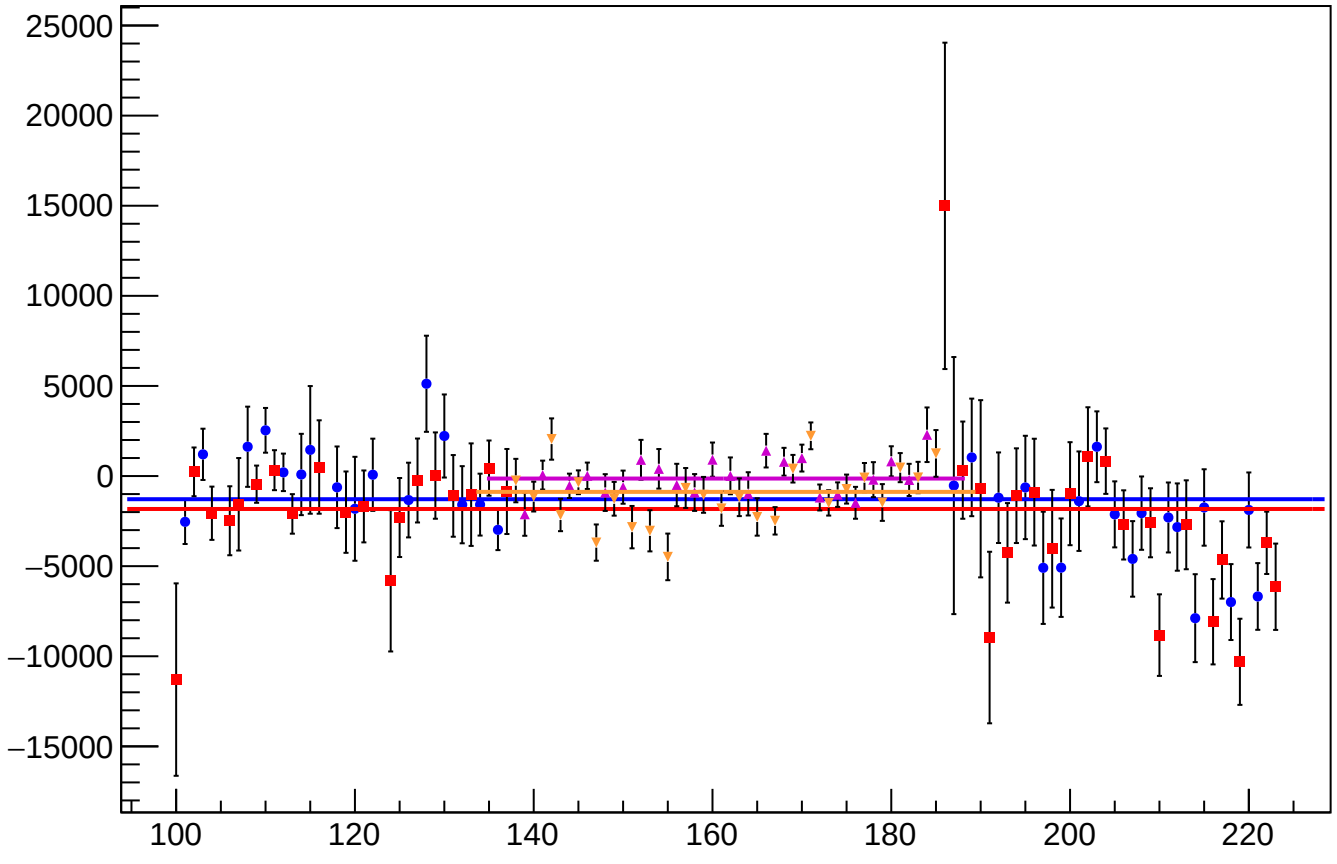
Right Out: 117.433+/-0.019 χ^2/NDF: 5974899.4/38

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.677+/-0.012 χ^2/NDF: 6455672.8/58

All: 101.985+/-0.008 χ^2/NDF: 14215858.2/12

- sign 102.306+/-0.012 χ^2/NDF: 7758770.7/61



Right In: -1284.888+/-332.541 χ^2/NDF: 62.3/33

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

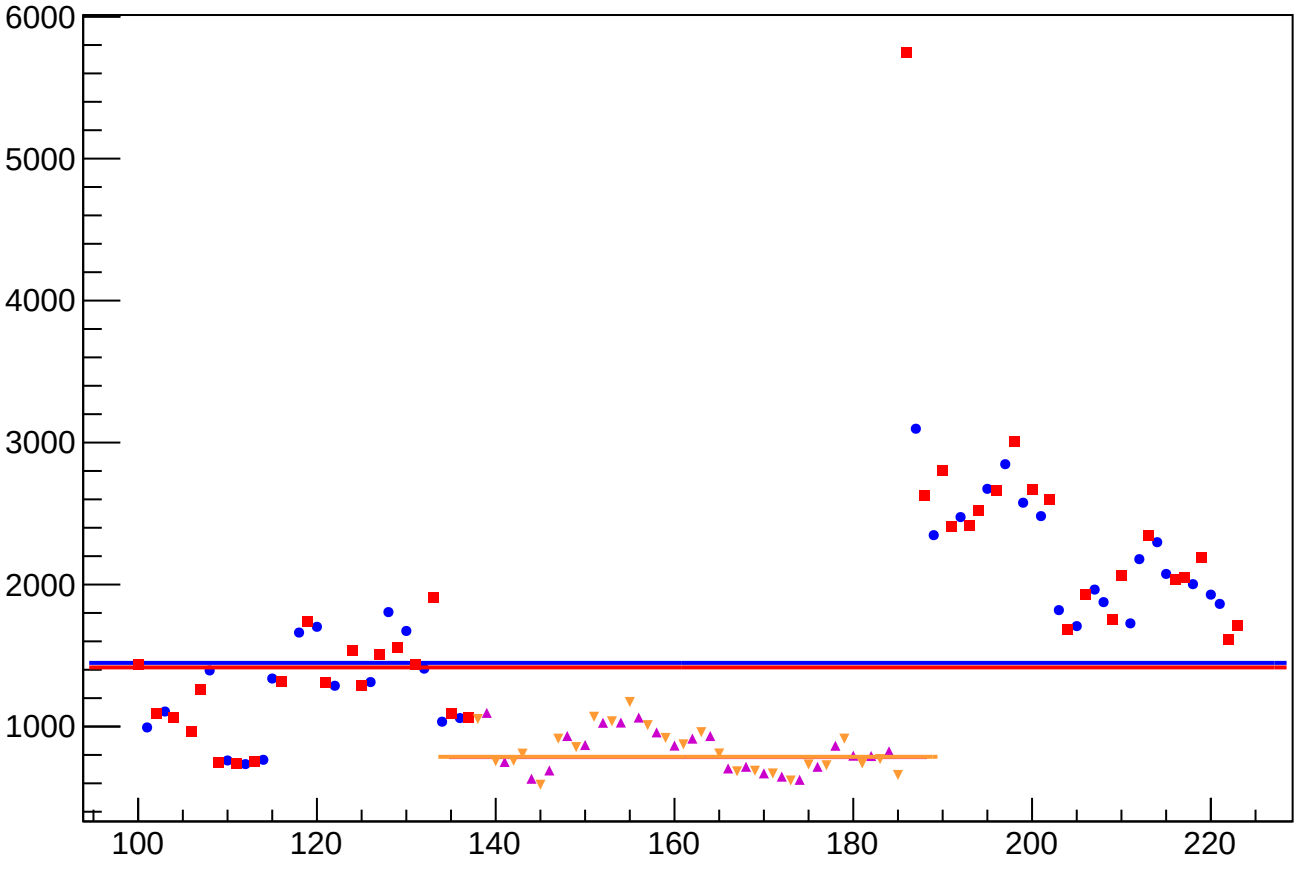
Right Out: -1827.313+/-325.143 χ^2/NDF: 63.7/38

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -972.284+/-159.780 χ^2/NDF: 131.2/58

All: -767.283+/-113.697 χ^2/NDF: 242.7/120

- sign -557.003+/-161.824 χ^2/NDF: 108.1/61



Right In: 1448.349+/-0.235 χ^2/NDF: 5886487.2/33

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

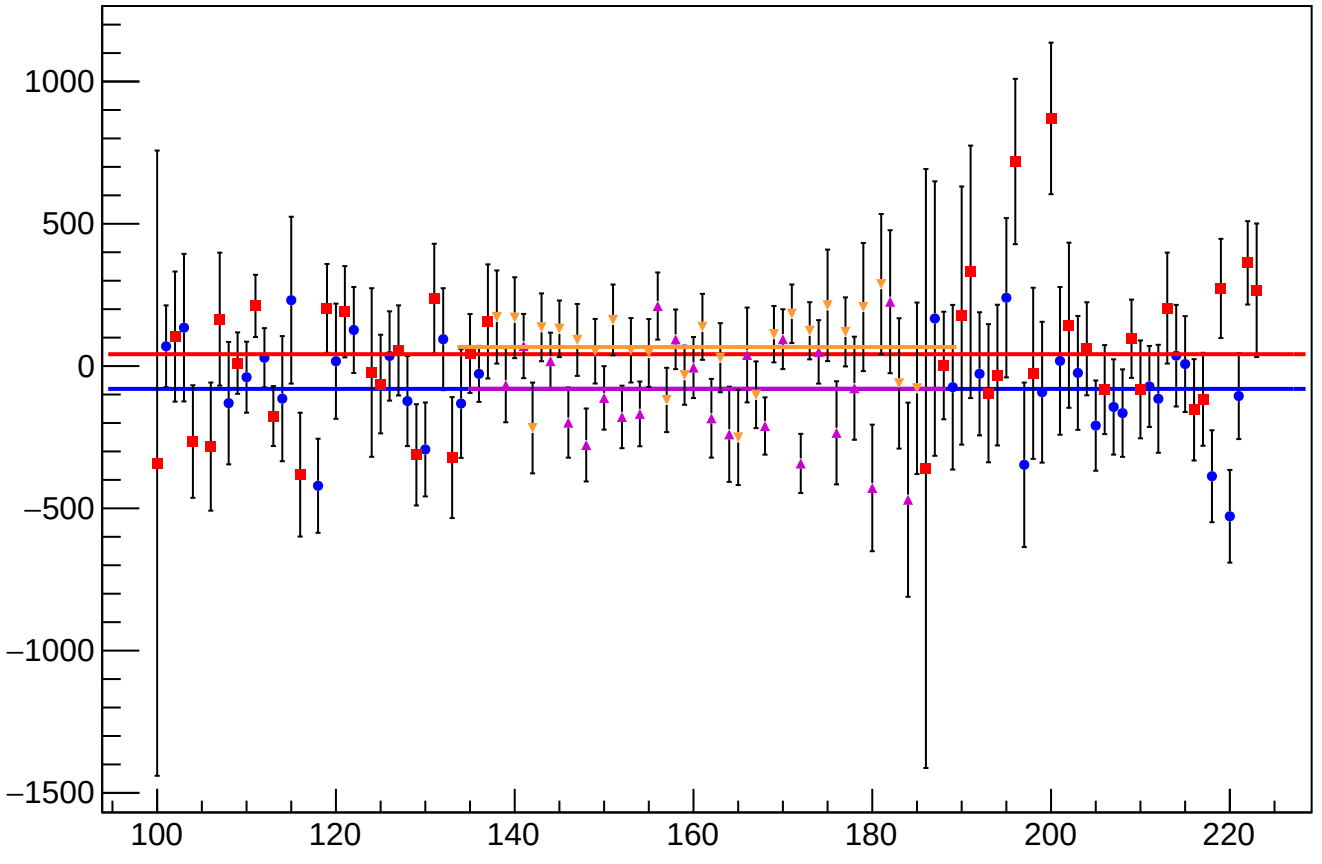
Right Out: 1416.486+/-0.230 χ^2/NDF: 7492185.8/38

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 939.494+/-0.113 χ^2/NDF: 13186066.2/58

All: 940.385+/-0.080 χ^2/NDF: 27420511.4/12

- sign 941.298+/-0.114 χ^2/NDF: 14234319.4/61



Right In: -80.211+/-29.393 χ^2/NDF: 29.9/33

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 41.737+/-29.290 χ^2/NDF: 54.1/38

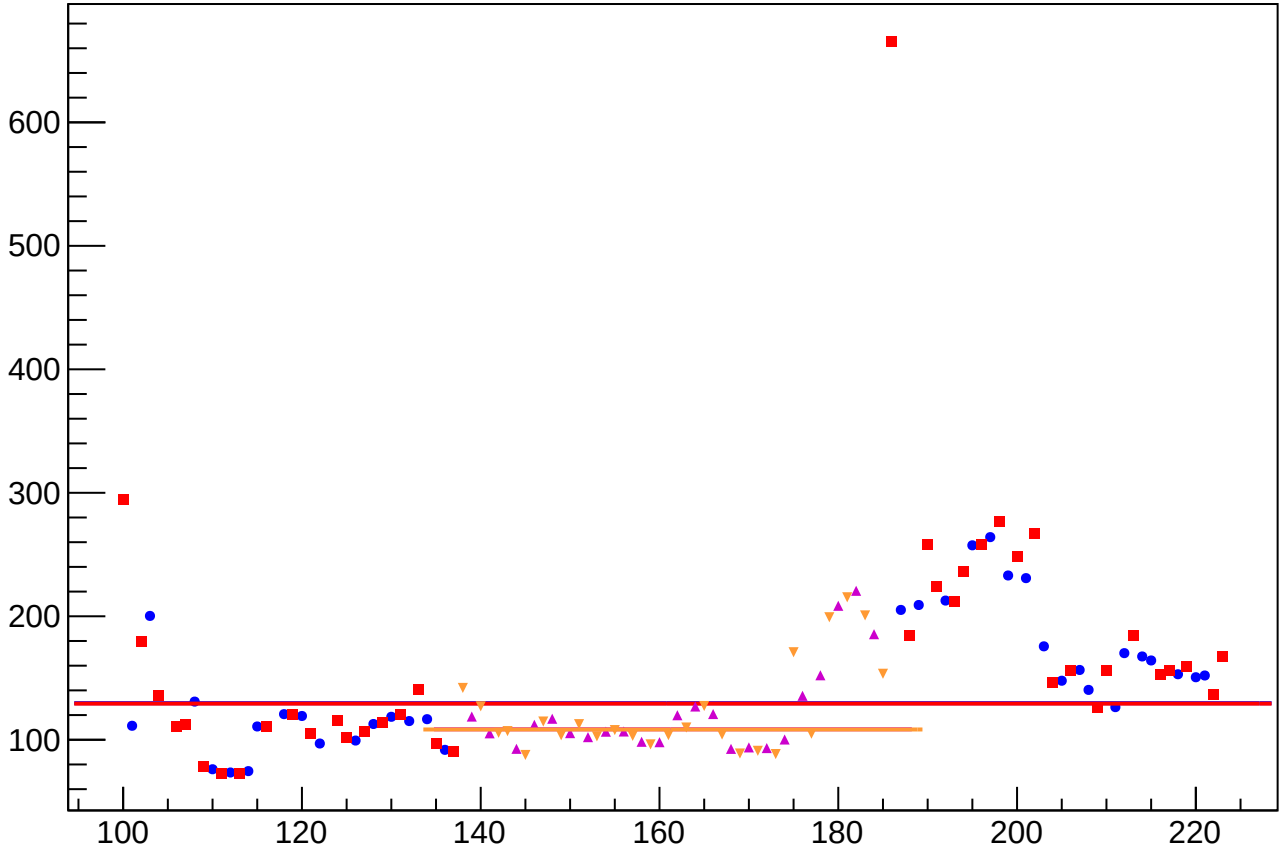
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 3.488+/-19.298 χ^2/NDF: 63.7/58

All: -10.821+/-13.740 χ^2/NDF: 165.4/120

- sign -25.535+/-19.568 χ^2/NDF: 100.6/61

dit_asym_sam_3748_avg_rms vs Slug



Right In: 129.631+/-0.021 χ^2/NDF: 4370046.4/33

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 129.271+/-0.021 χ^2/NDF: 5859234.0/38

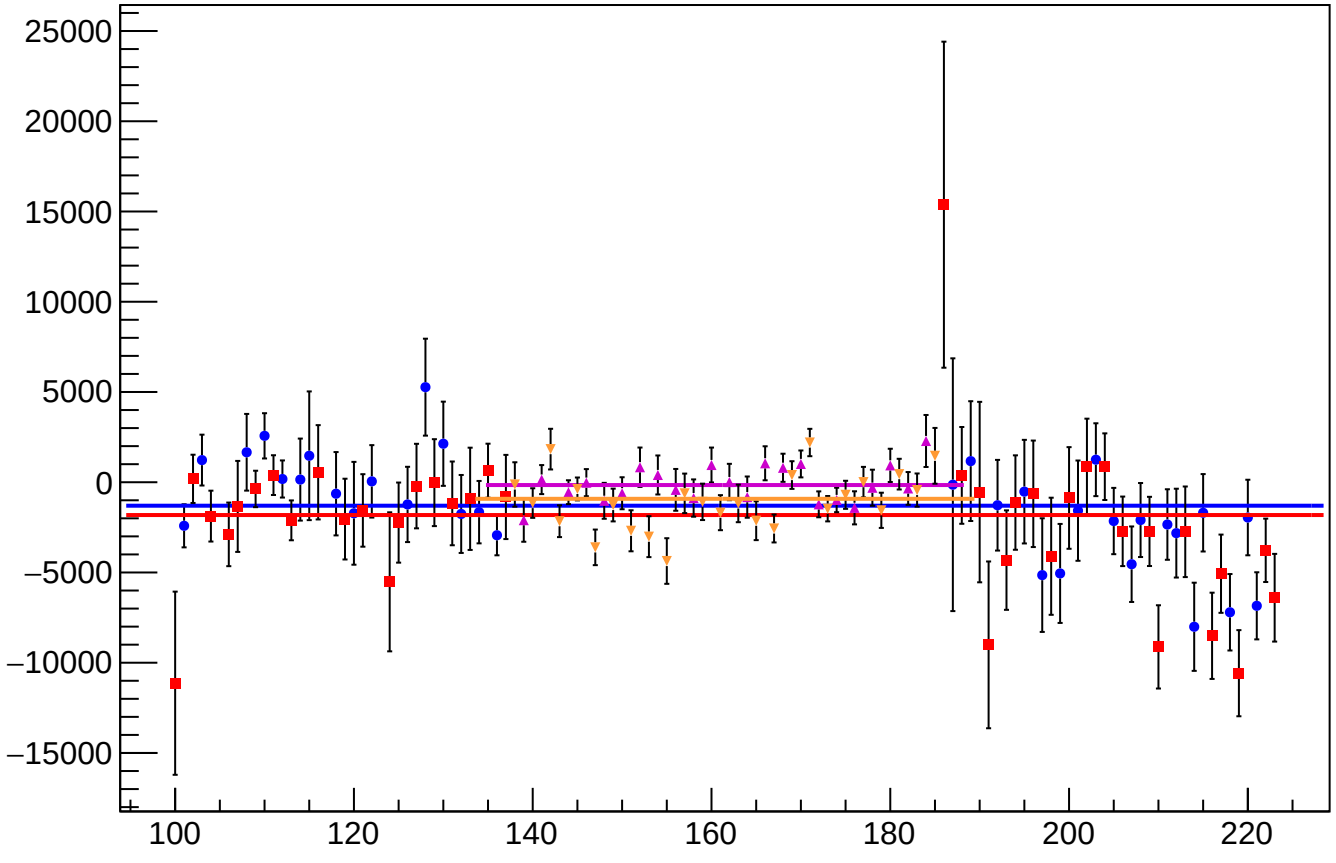
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 117.512+/-0.014 χ^2/NDF: 6742244.3/58

All: 117.637+/-0.010 χ^2/NDF: 14538306.8/12

- sign 117.767+/-0.014 χ^2/NDF: 7795890.2/61

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -1300.431+/-332.137 χ^2/NDF: 63.0/33

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1817.652+/-322.681 χ^2/NDF: 68.7/38

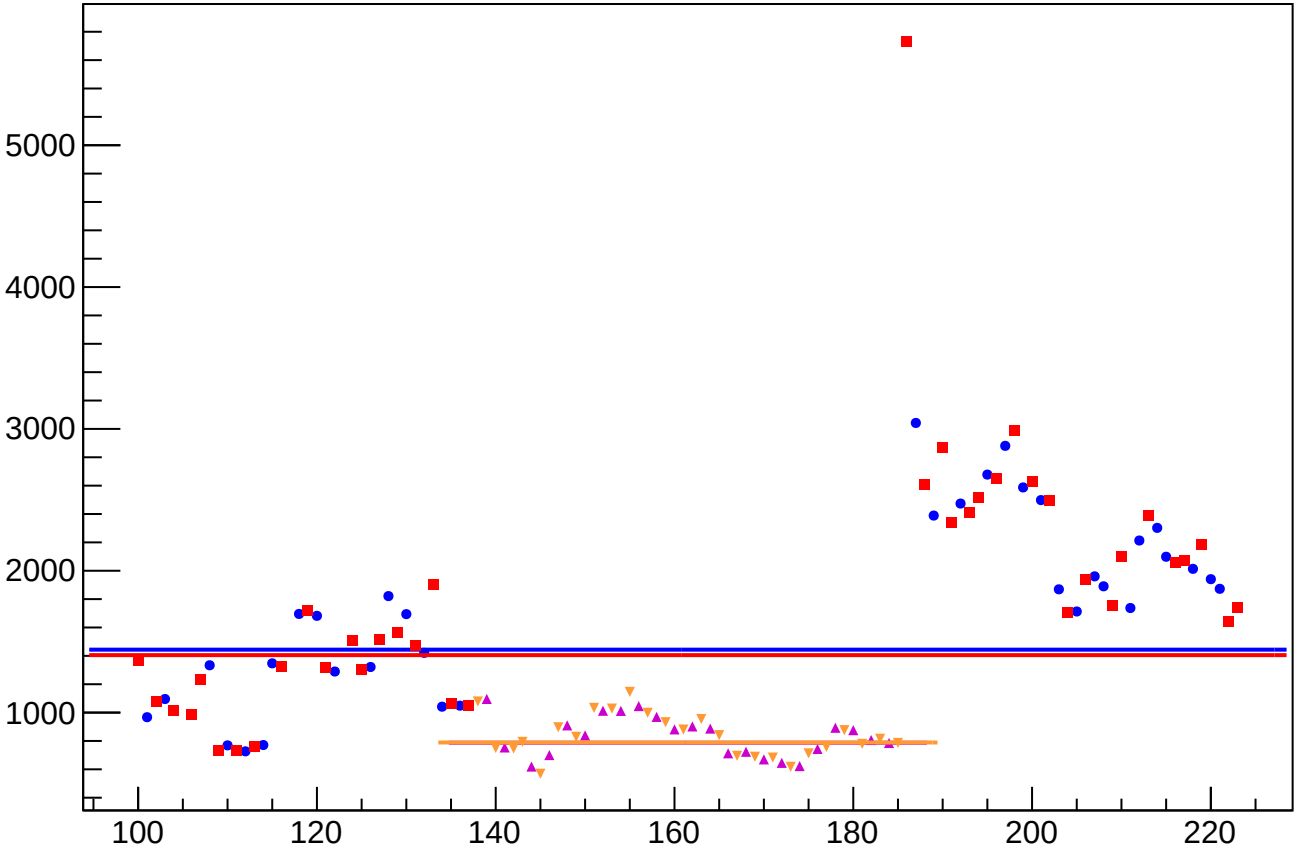
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

\+ sign -1007.223+/-159.919 χ^2/NDF: 128.1/58

All: -793.261+/-113.763 χ^2/NDF: 243.3/120

\- sign -574.048+/-161.869 χ^2/NDF: 111.6/61

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1443.717+/-0.235 χ^2/NDF: 6065763.8/33

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1405.124+/-0.228 χ^2/NDF: 7658881.0/38

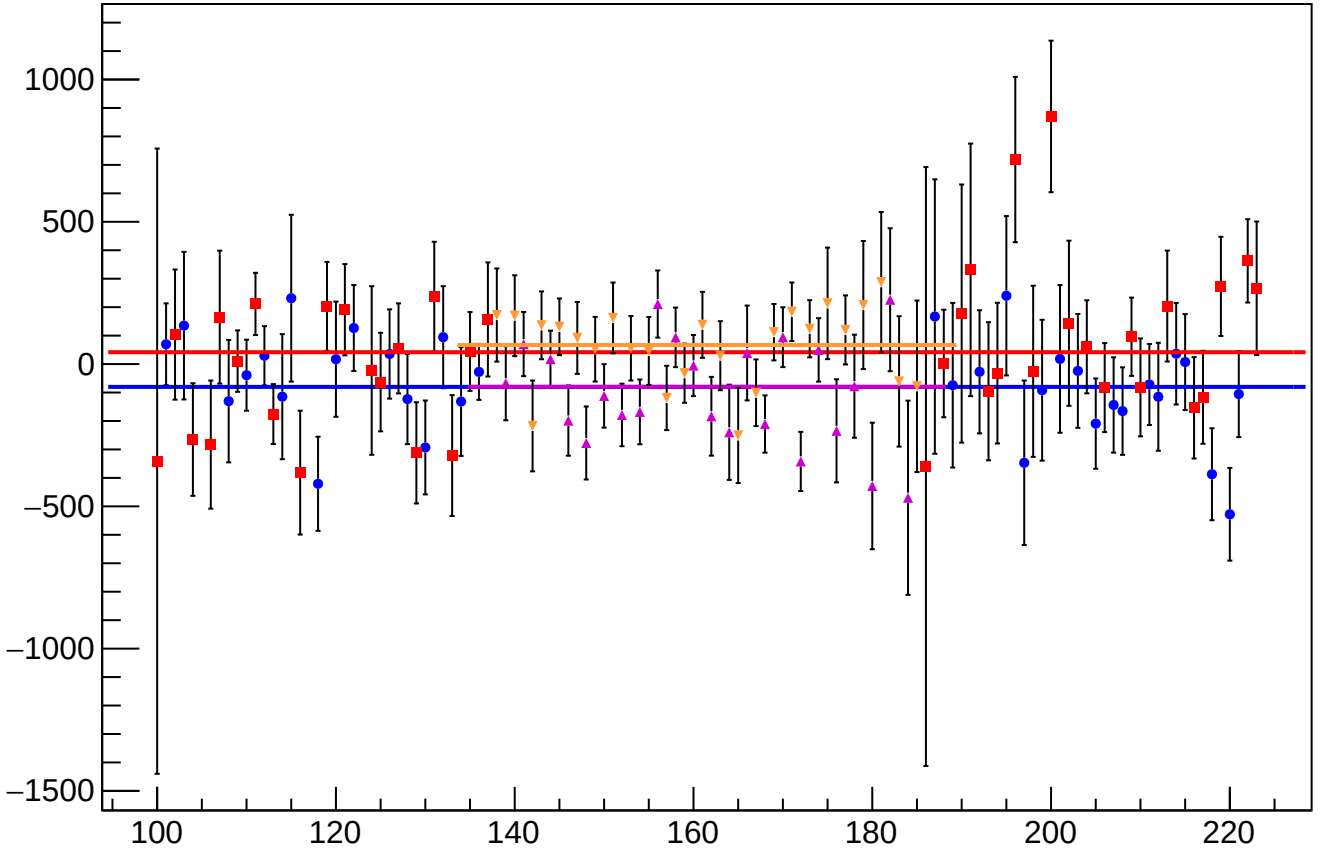
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 940.973+/-0.113 χ^2/NDF: 13207833.2/58

All: 941.894+/-0.080 χ^2/NDF: 27393497.1/12

- sign 942.838+/-0.114 χ^2/NDF: 14185529.6/61

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -80.208+/-29.393 χ^2/NDF: 29.9/33

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 41.740+/-29.290 χ^2/NDF: 54.1/38

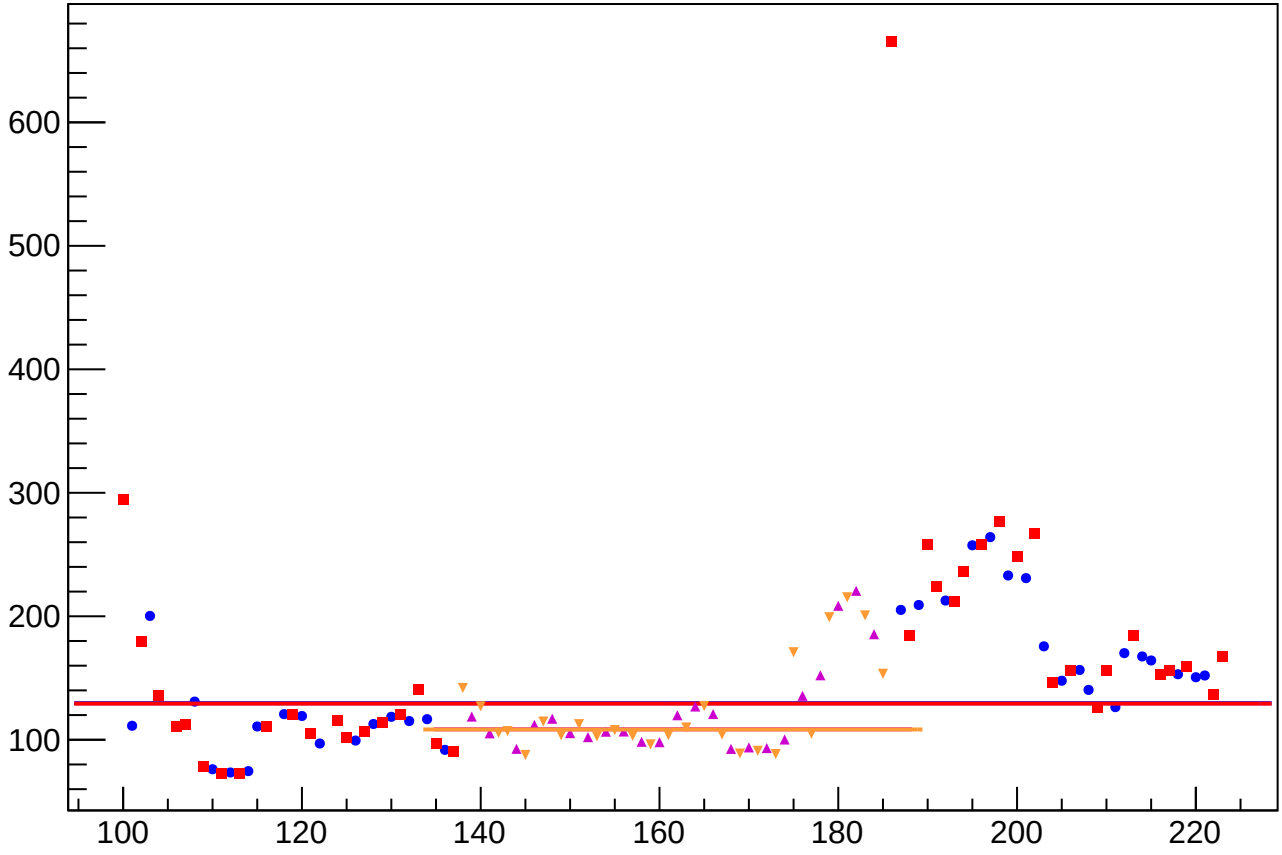
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 3.489+/-19.298 χ^2/NDF: 63.7/58

All: -10.820+/-13.740 χ^2/NDF: 165.4/120

- sign -25.533+/-19.568 χ^2/NDF: 100.6/61

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 129.631+/-0.021 χ^2/NDF: 4370027.2/33

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

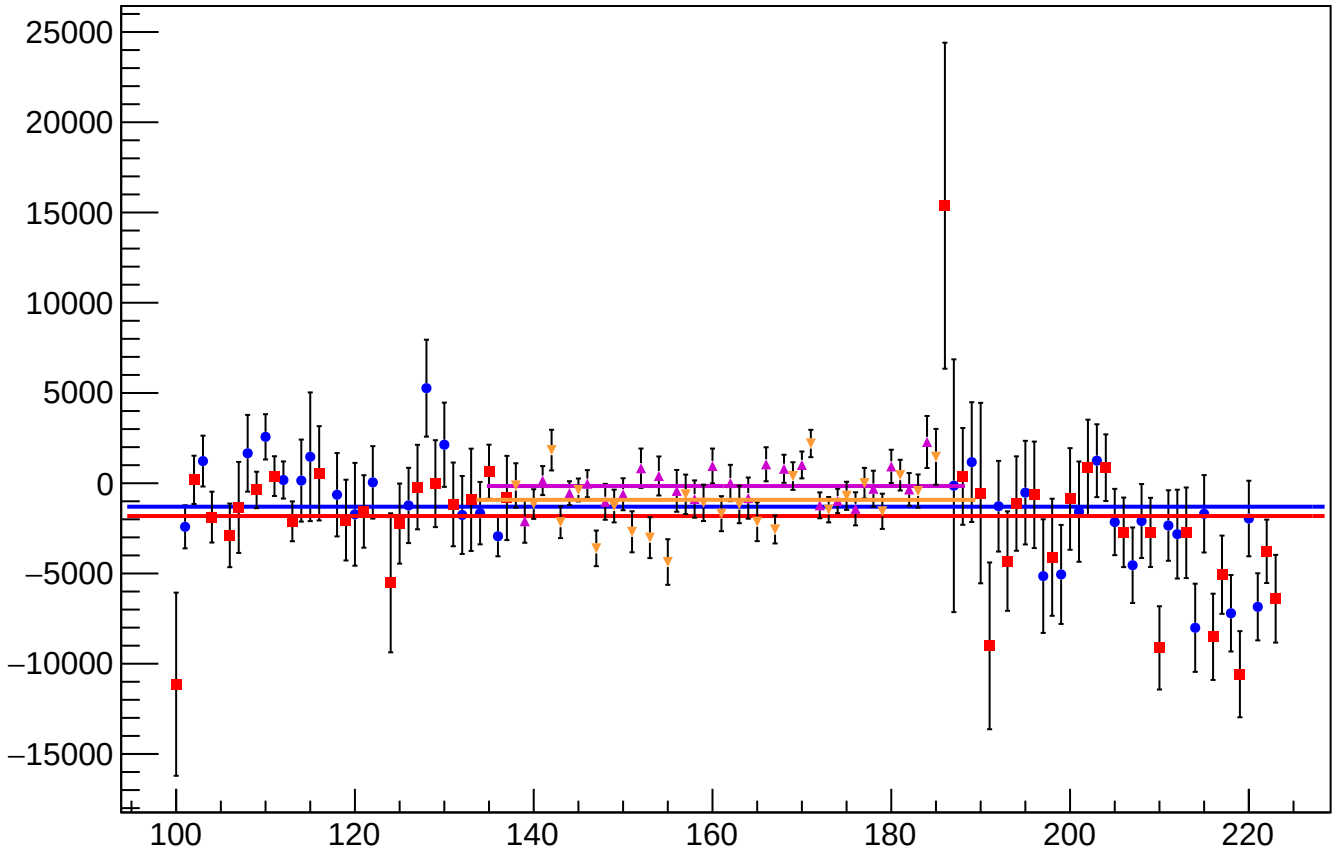
Right Out: 129.271+/-0.021 χ^2/NDF: 5859229.9/38

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 117.512+/-0.014 χ^2/NDF: 6742207.3/58

All: 117.638+/-0.010 χ^2/NDF: 14538234.3/12

- sign 117.767+/-0.014 χ^2/NDF: 7795854.8/61



Right In: -1300.428+/-332.136 χ^2/NDF: 63.0/33

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

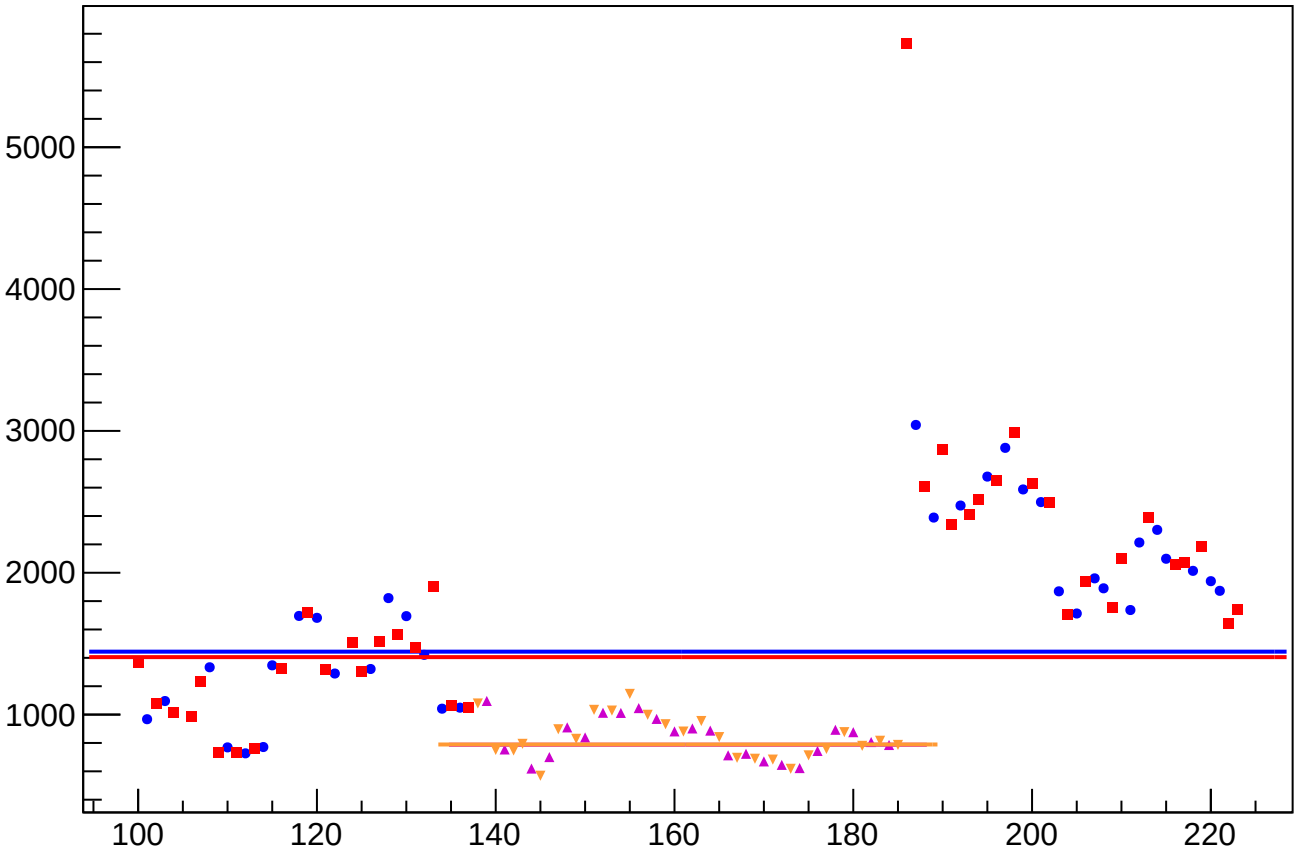
Right Out: -1817.648+/-322.680 χ^2/NDF: 68.7/38

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -1007.221+/-159.919 χ^2/NDF: 128.1/58

All: -793.259+/-113.763 χ^2/NDF: 243.3/120

- sign -574.046+/-161.869 χ^2/NDF: 111.6/61



Right In: 1443.714+/-0.235 χ^2/NDF: 6065778.6/33

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1405.122+/-0.228 χ^2/NDF: 7658891.1/38

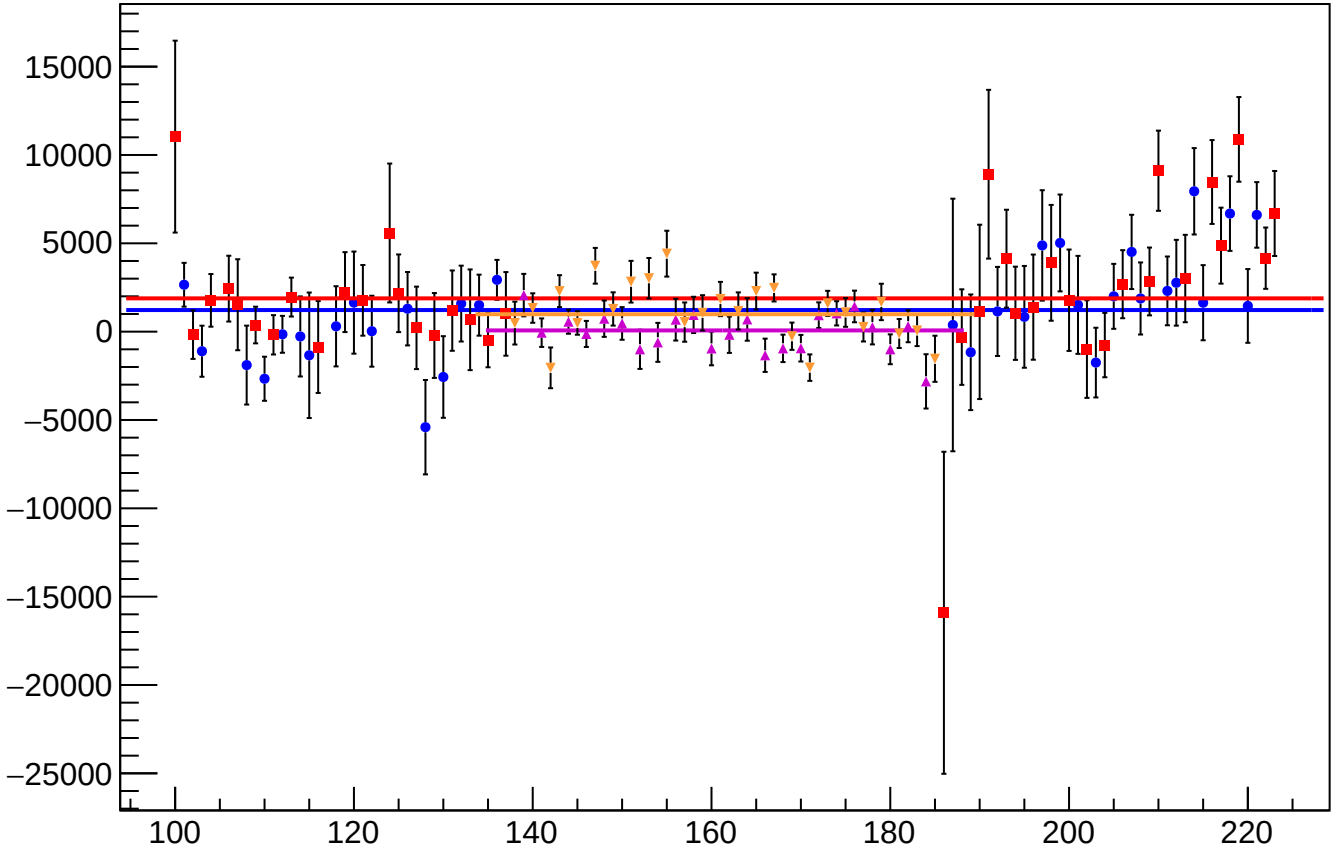
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 940.972+/-0.113 χ^2/NDF: 13207853.0/58

All: 941.893+/-0.080 χ^2/NDF: 27393531.5/12

- sign 942.836+/-0.114 χ^2/NDF: 14185544.2/61

asym_sam_3748_avg_mean vs Slug



Right In: 1222.699+/-334.046 χ^2/NDF: 62.3/33

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1884.163+/-326.277 χ^2/NDF: 68.1/38

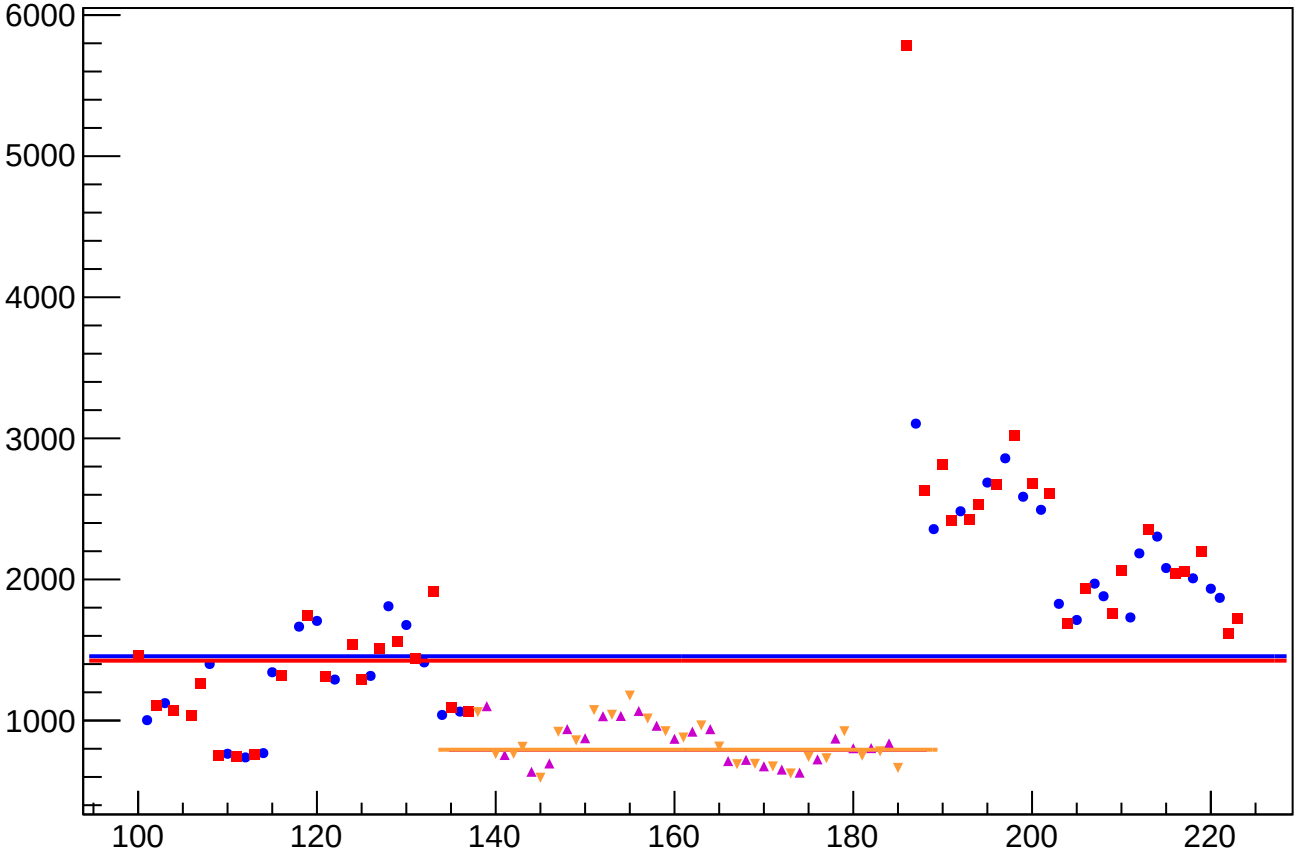
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 1040.651+/-160.899 χ^2/NDF: 126.4/58

All: 784.744+/-114.480 χ^2/NDF: 247.2/120

- sign 522.377+/-162.917 χ^2/NDF: 115.7/61

asym_sam_3748_avg_rms vs Slug



Right In: 1455.573+/-0.236 χ^2/NDF: 5852596.9/33

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

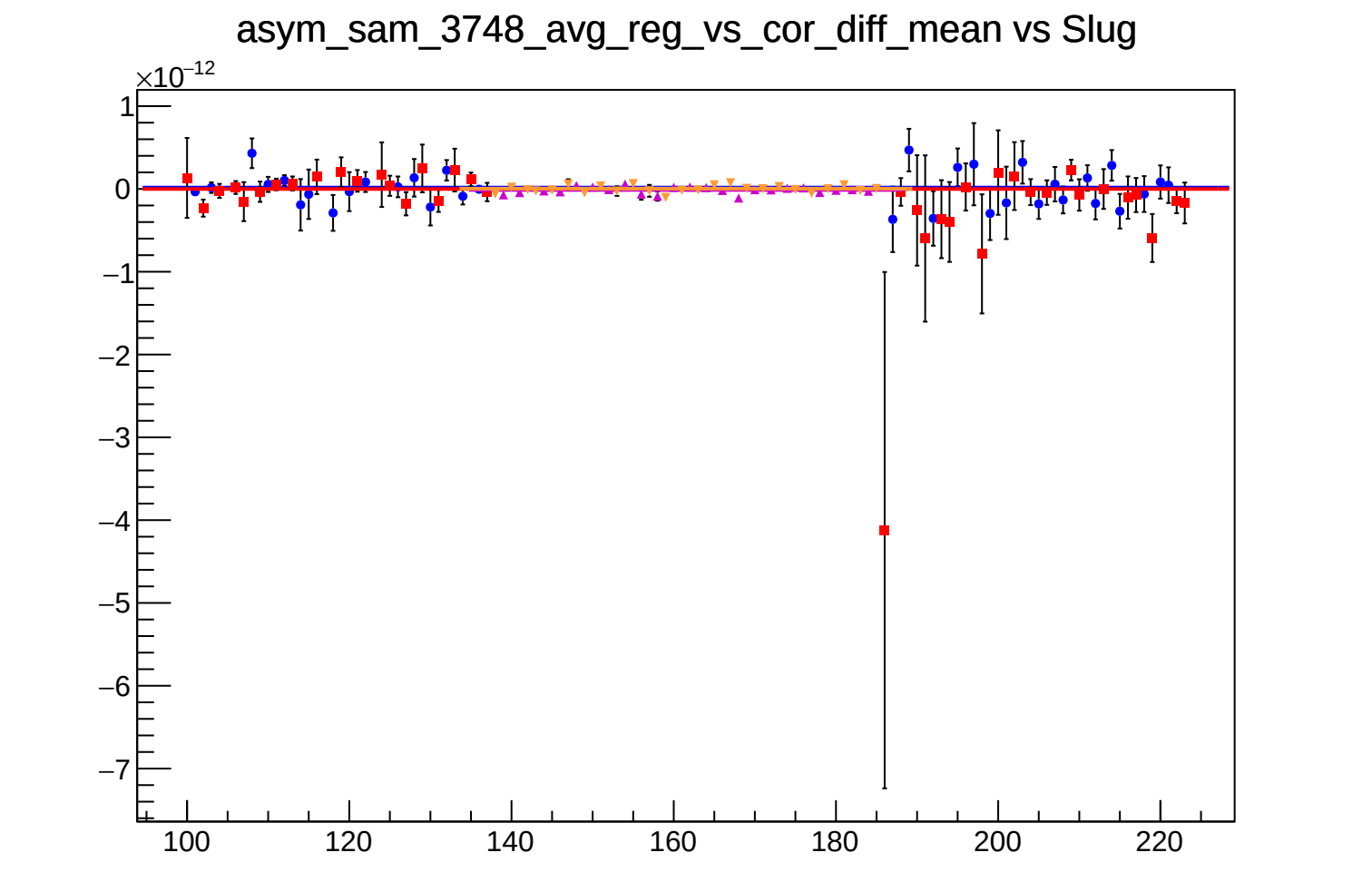
Right Out: 1424.325+/-0.231 χ^2/NDF: 7441159.8/38

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 946.759+/-0.114 χ^2/NDF: 13088504.6/58

All: 947.875+/-0.081 χ^2/NDF: 27232894.3/12

- sign 949.018+/-0.115 χ^2/NDF: 14144195.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 34.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/38

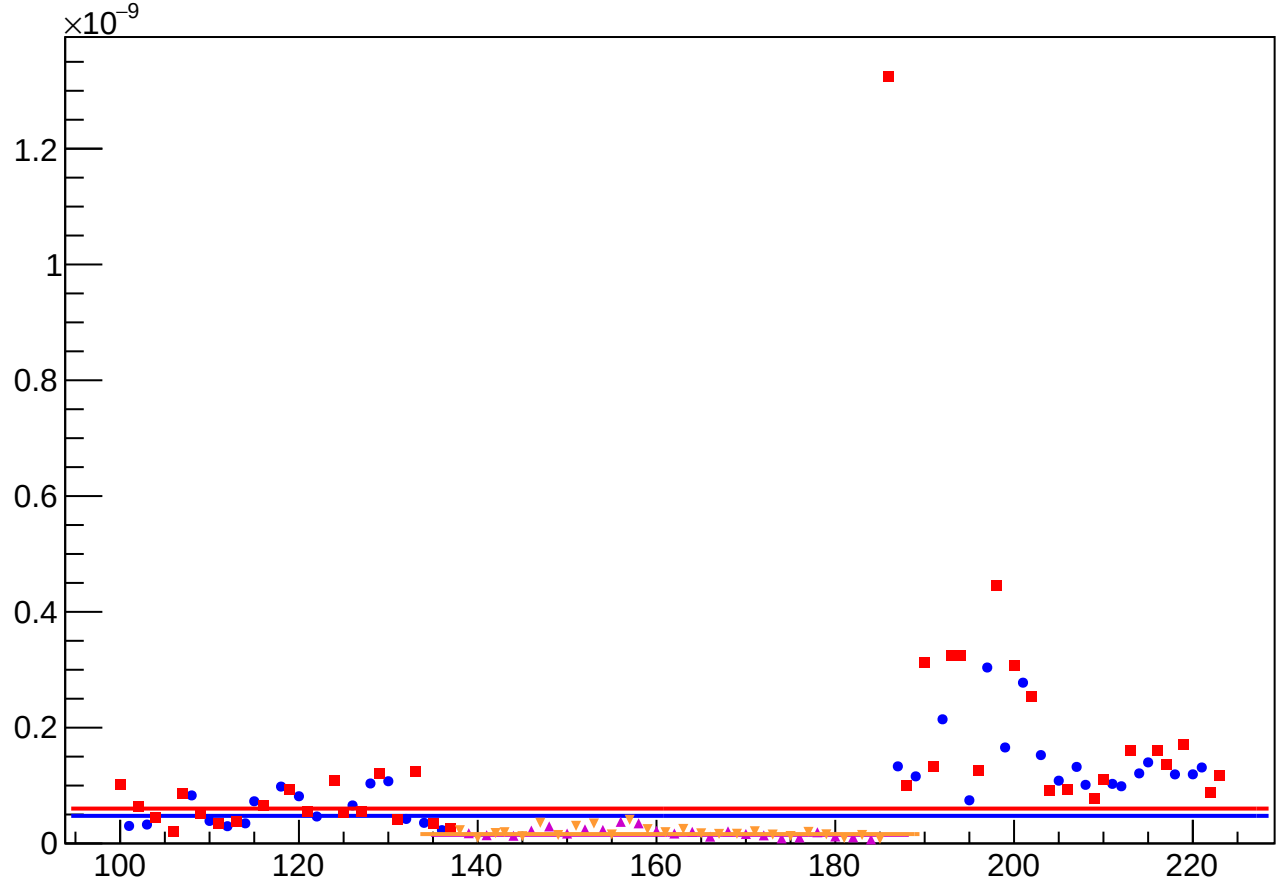
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.4/58

All: -0.000+/-0.000 χ^2/NDF: 128.0/120

- sign -0.000+/-0.000 χ^2/NDF: 56.1/61

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7023868.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

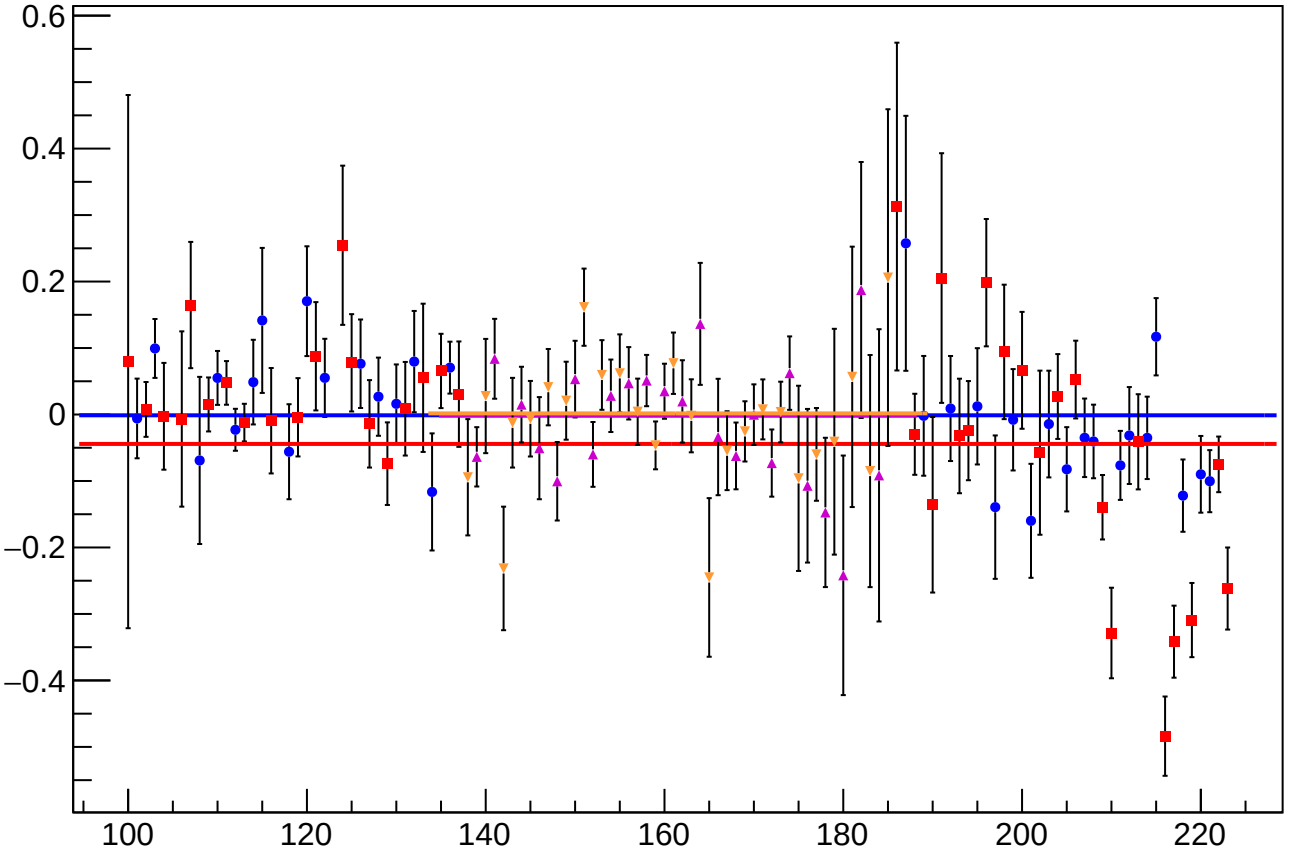
Right Out: 0.000+/-0.000 χ^2/NDF: 7103359.6/38

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13173266.4/58

All: 0.000+/-0.000 χ^2/NDF: 28749362.3/120

- sign 0.000+/-0.000 χ^2/NDF: 15536688.8/61



Right In: -0.001+/-0.010 χ^2/NDF: 51.8/33

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.044+/-0.010 χ^2/NDF: 196.6/38

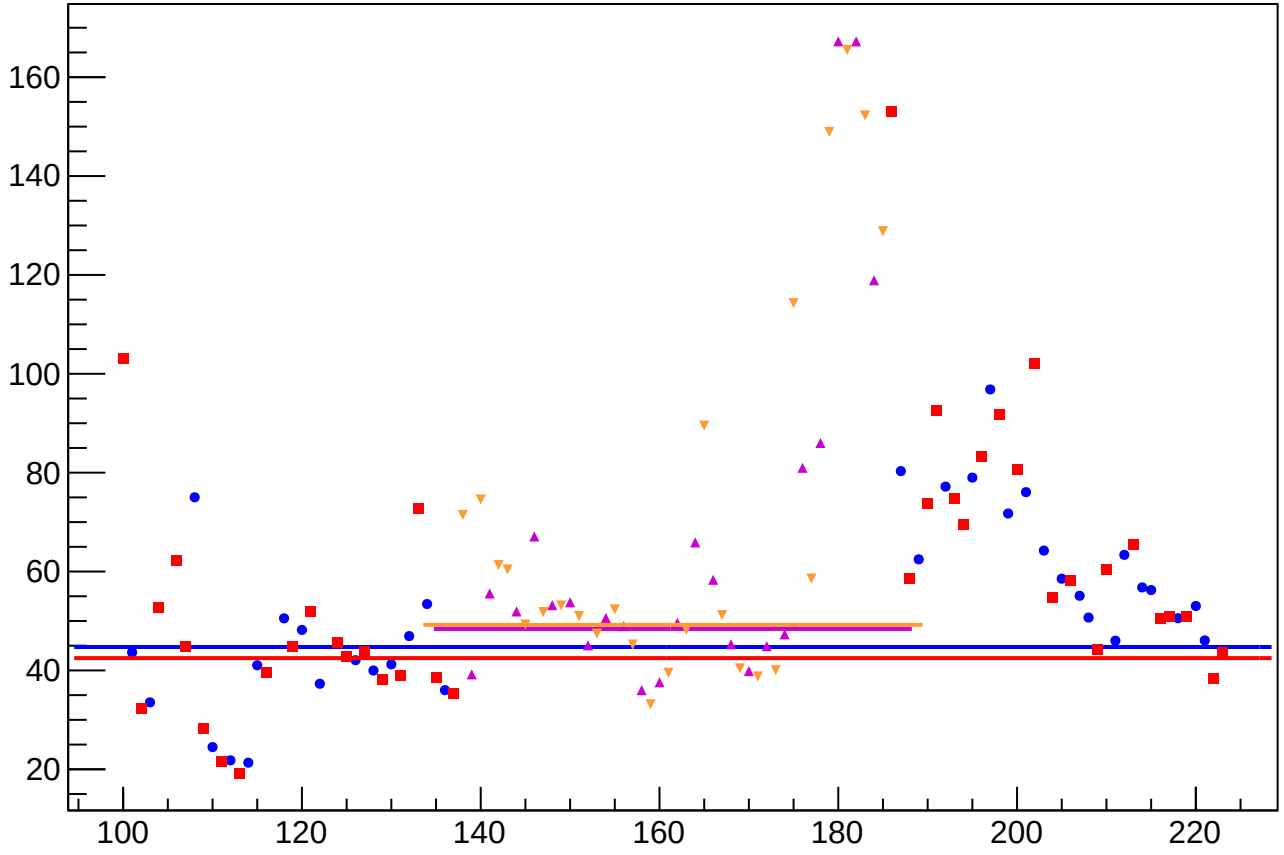
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.000+/-0.008 χ^2/NDF: 82.3/58

All: -0.014+/-0.006 χ^2/NDF: 318.2/120

- sign -0.027+/-0.008 χ^2/NDF: 229.8/61

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.735+/-0.007 χ^2/NDF: 4689170.8/33

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

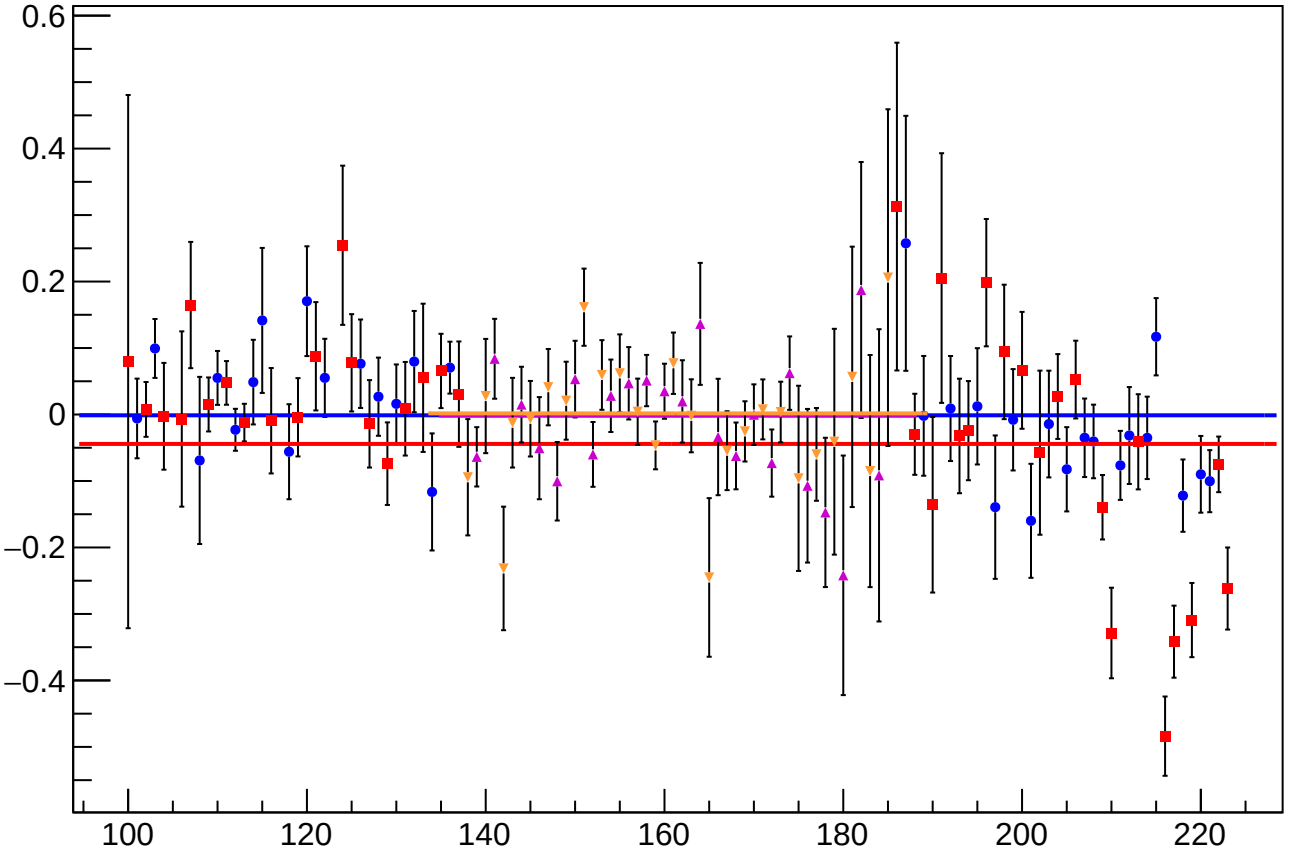
Right Out: 42.489+/-0.007 χ^2/NDF: 6626484.7/38

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.603+/-0.006 χ^2/NDF: 9015720.0/58

All: 45.690+/-0.004 χ^2/NDF: 19003139.3/120

- sign 44.816+/-0.005 χ^2/NDF: 9935640.2/61



Right In: -0.001+/-0.010 χ^2/NDF: 51.8/33

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

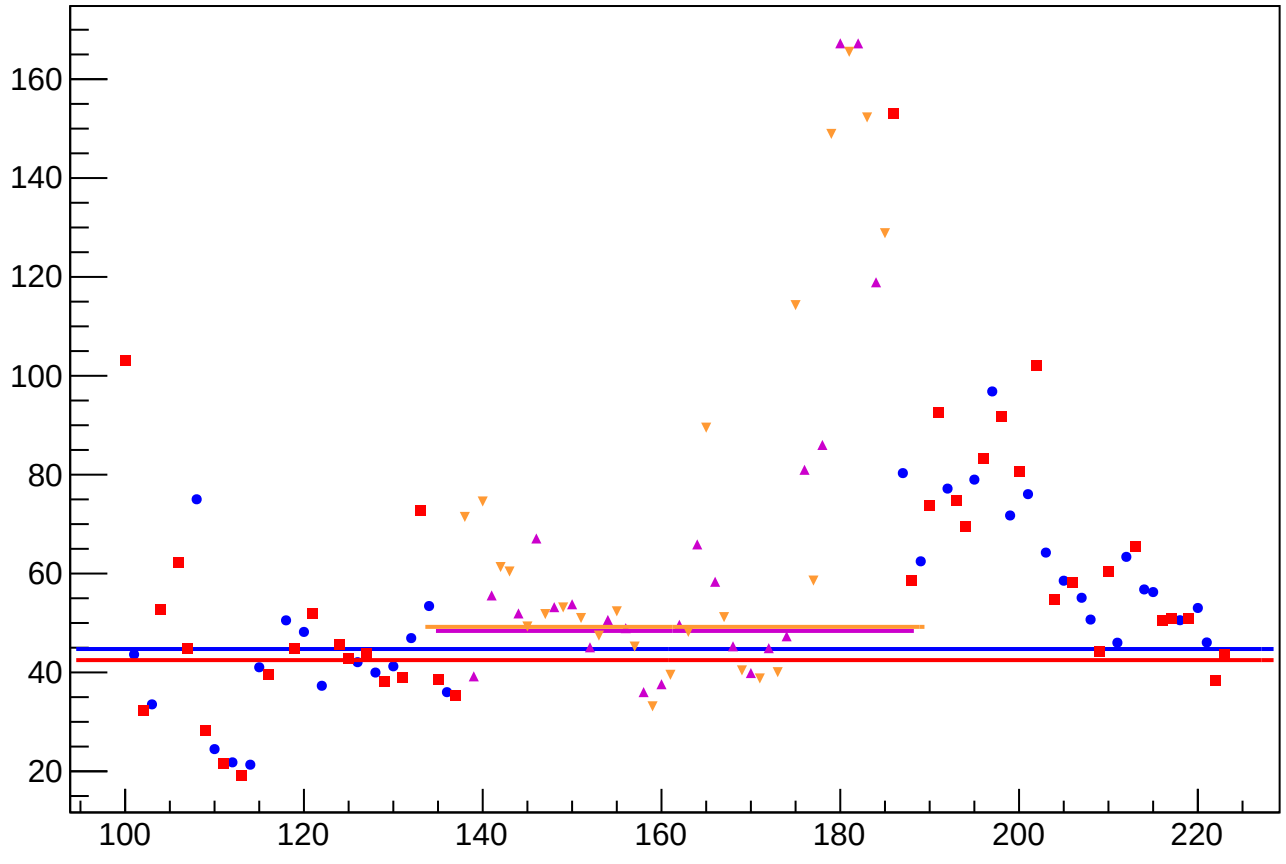
Right Out: -0.044+/-0.010 χ^2/NDF: 196.6/38

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.000+/-0.008 χ^2/NDF: 82.3/58

All: -0.014+/-0.006 χ^2/NDF: 318.2/120

- sign -0.027+/-0.008 χ^2/NDF: 229.8/61



Right In: 44.735+/-0.007 χ^2/NDF: 4689170.8/33

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

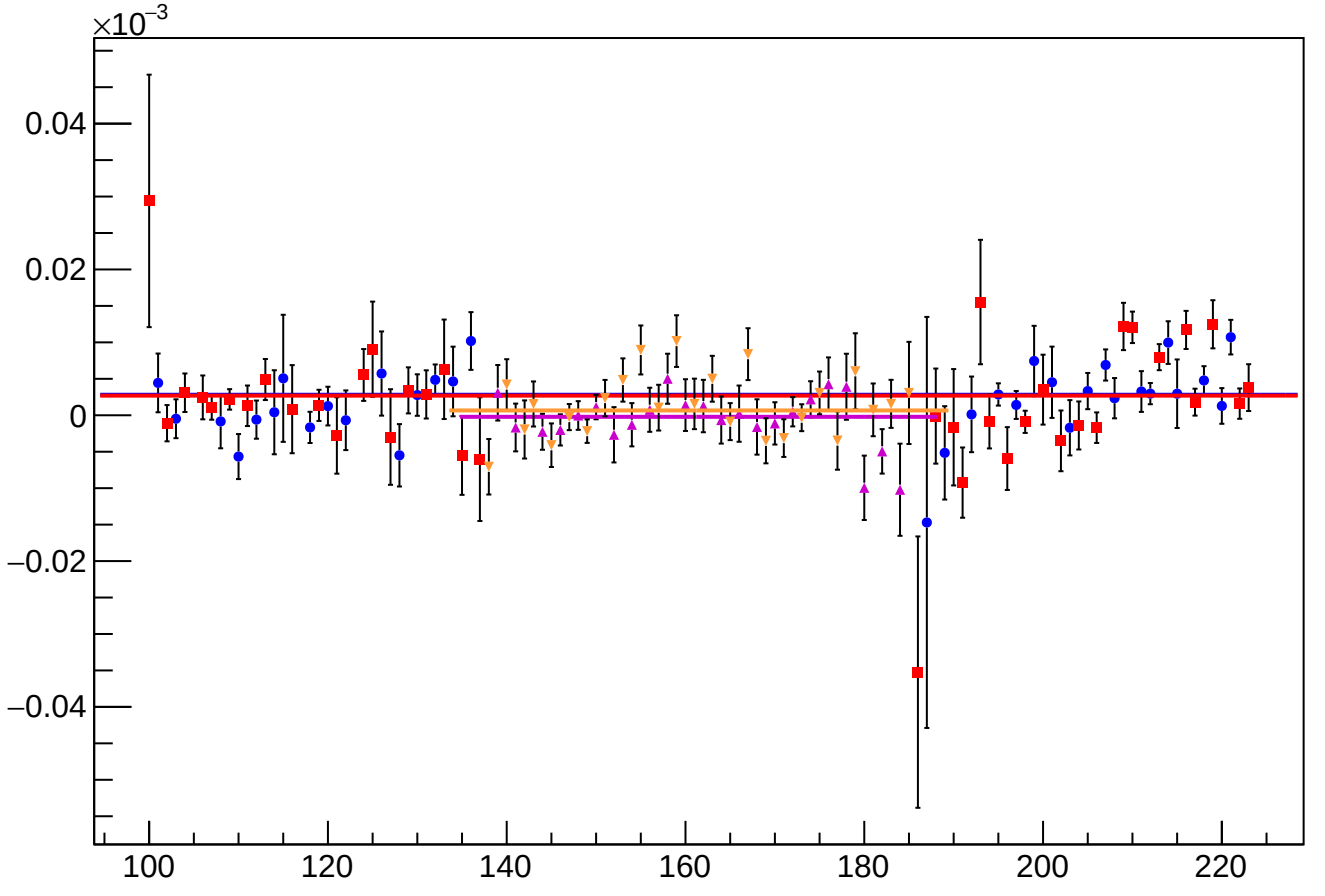
Right Out: 42.489+/-0.007 χ^2/NDF: 6626484.7/38

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.603+/-0.006 χ^2/NDF: 9015720.0/58

All: 45.690+/-0.004 χ^2/NDF: 19003139.3/120

- sign 44.816+/-0.005 χ^2/NDF: 9935640.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 53.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

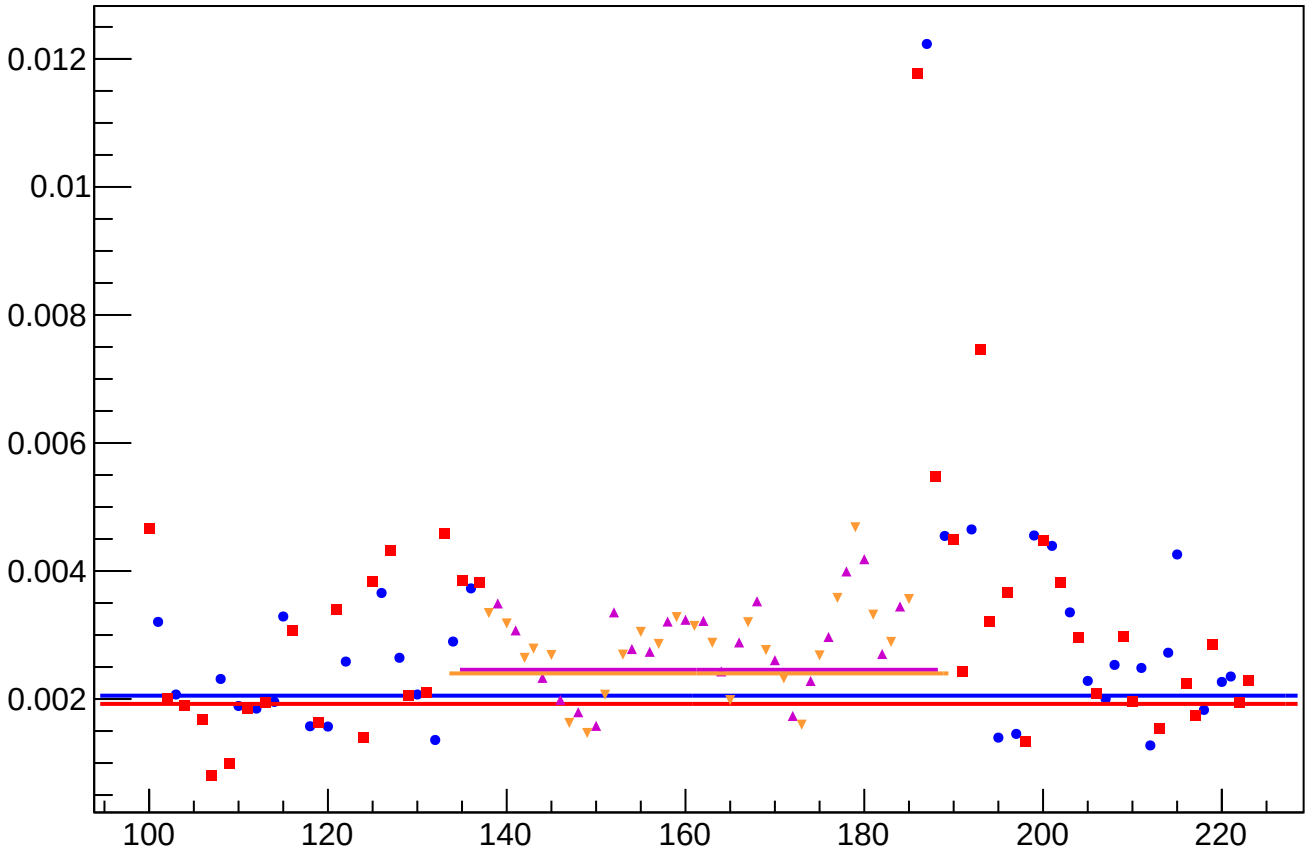
Right Out: 0.000+/-0.000 χ^2/NDF: 103.5/38

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 103.6/58

All: 0.000+/-0.000 χ^2/NDF: 241.9/120

- sign 0.000+/-0.000 χ^2/NDF: 138.1/61



Right In: 0.002+/-0.000 χ^2/NDF: 5437502.2/33

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

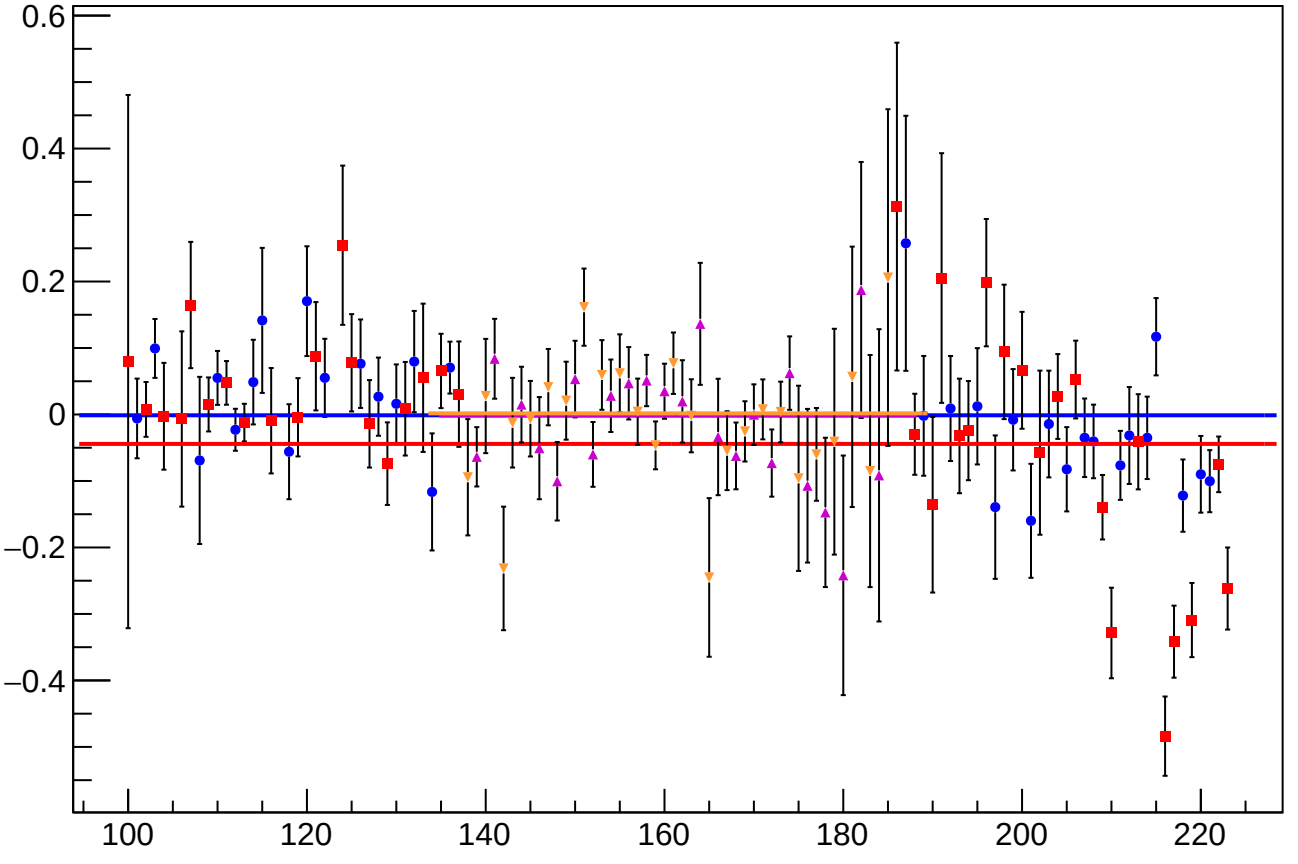
Right Out: 0.002+/-0.000 χ^2/NDF: 8119871.9/38

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 8993689.2/58

All: 0.002+/-0.000 χ^2/NDF: 20782897.5/120

- sign 0.002+/-0.000 χ^2/NDF: 11744859.9/61



Right In: -0.001+/-0.010 χ^2/NDF: 51.8/33

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

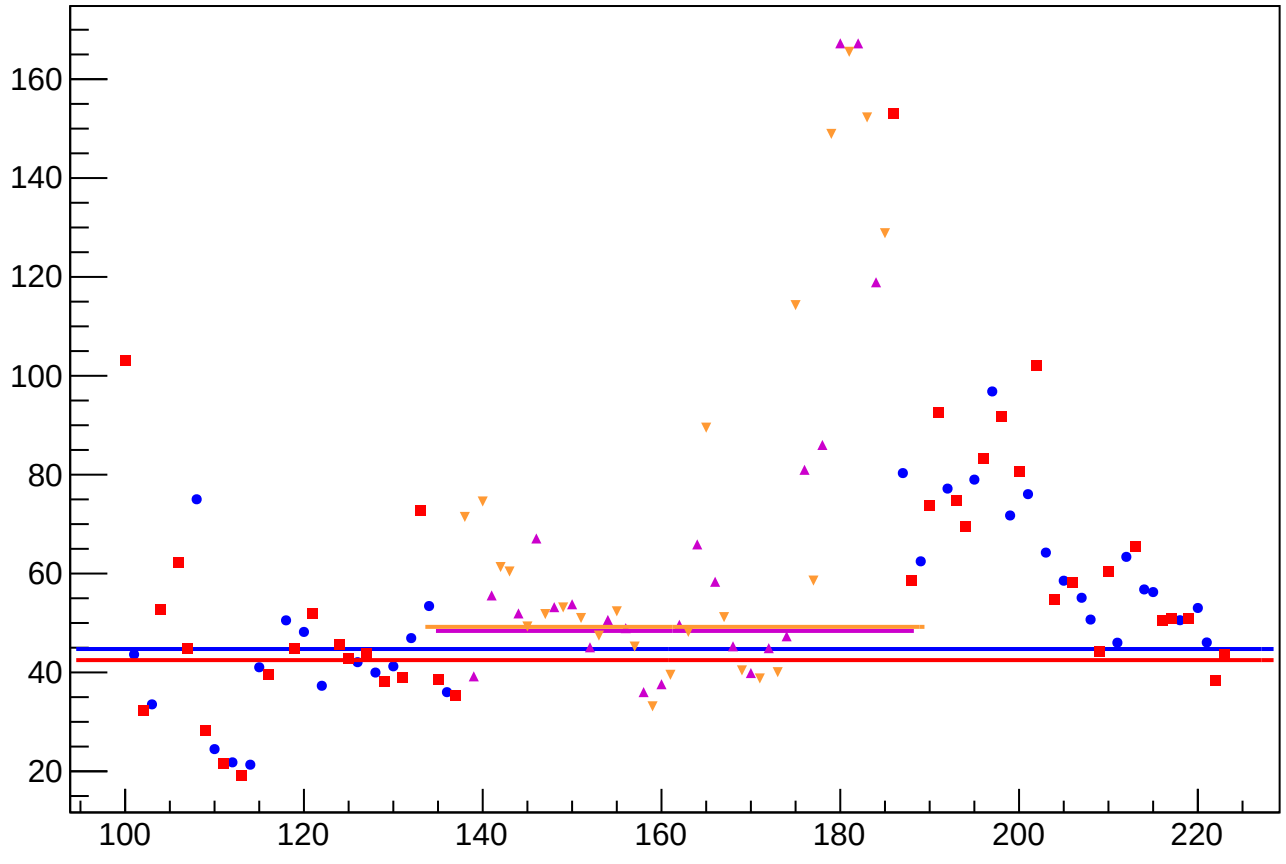
Right Out: -0.044+/-0.010 χ^2/NDF: 196.6/38

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.000+/-0.008 χ^2/NDF: 82.3/58

All: -0.014+/-0.006 χ^2/NDF: 318.2/120

- sign -0.027+/-0.008 χ^2/NDF: 229.8/61



Right In: 44.735+/-0.007 χ^2/NDF: 4689011.9/33

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

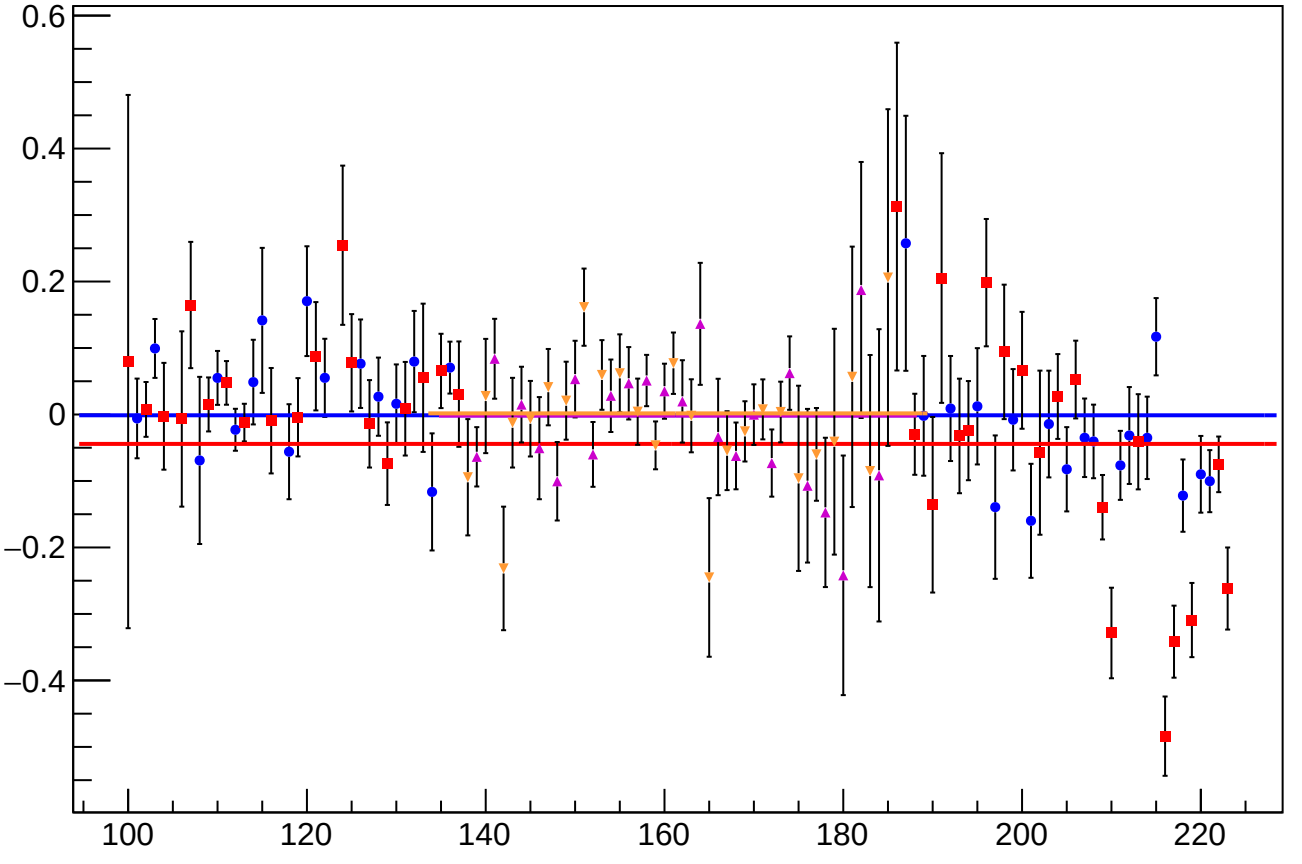
Right Out: 42.490+/-0.007 χ^2/NDF: 6626392.2/38

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.603+/-0.006 χ^2/NDF: 9015551.9/58

All: 45.690+/-0.004 χ^2/NDF: 19002869.6/120

- sign 44.816+/-0.005 χ^2/NDF: 9935538.3/61



Right In: -0.001+/-0.010 χ^2/NDF: 51.8/33

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

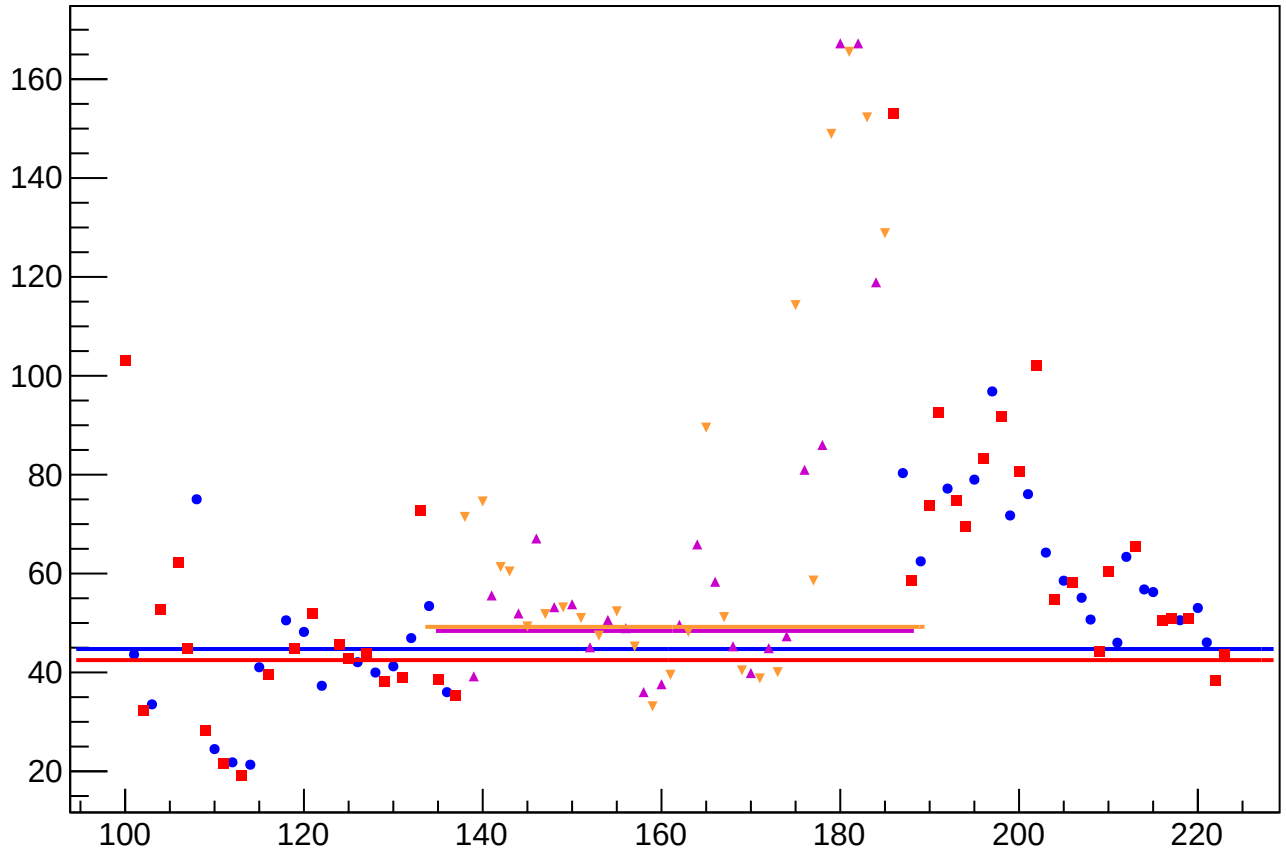
Right Out: -0.044+/-0.010 χ^2/NDF: 196.6/38

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.000+/-0.008 χ^2/NDF: 82.3/58

All: -0.014+/-0.006 χ^2/NDF: 318.2/120

- sign -0.027+/-0.008 χ^2/NDF: 229.8/61



Right In: 44.735+/-0.007 χ^2/NDF: 4689011.9/33

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

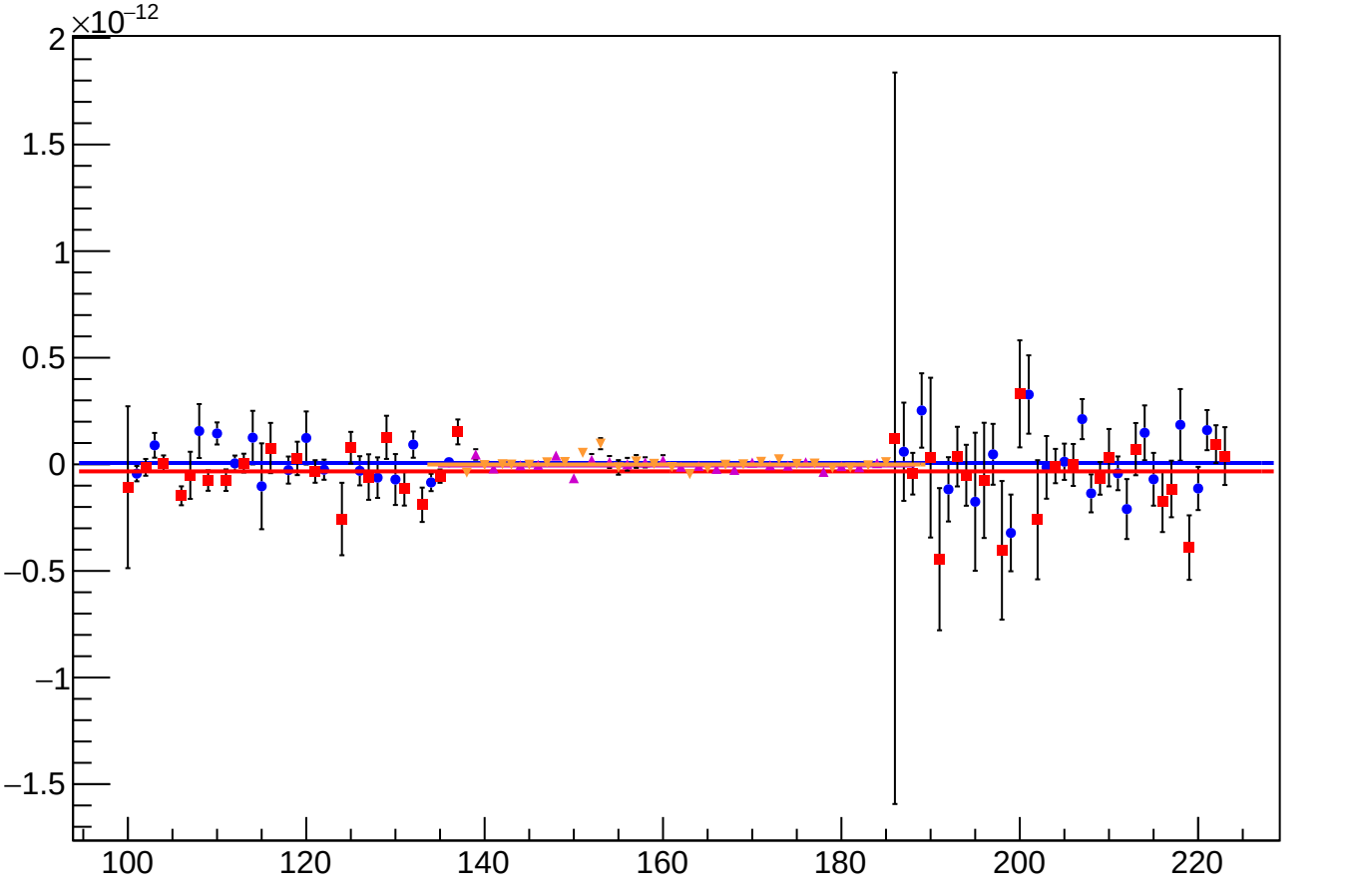
Right Out: 42.490+/-0.007 χ^2/NDF: 6626392.2/38

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.603+/-0.006 χ^2/NDF: 9015551.9/58

All: 45.690+/-0.004 χ^2/NDF: 19002869.6/120

- sign 44.816+/-0.005 χ^2/NDF: 9935538.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 50.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

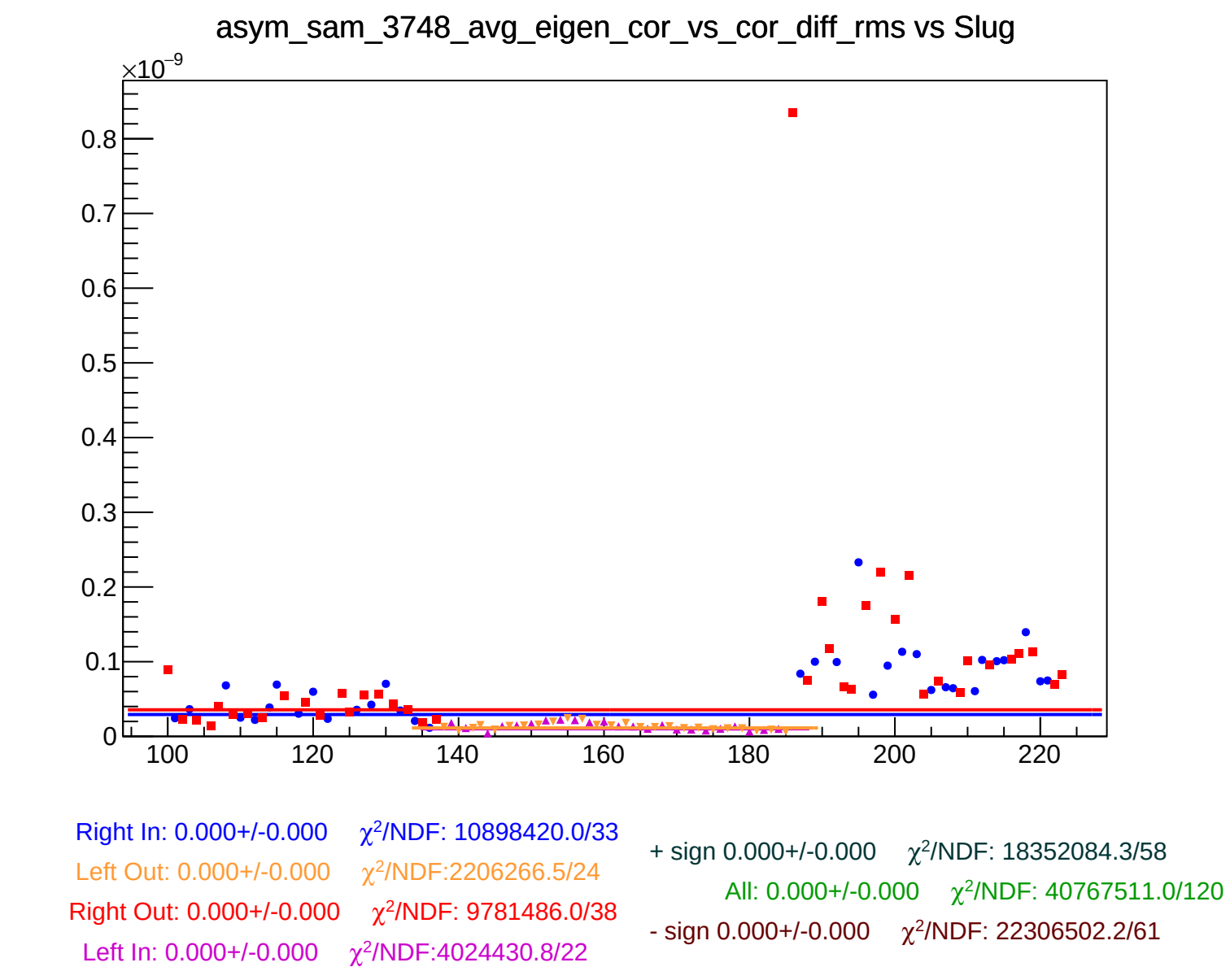
Right Out: -0.000+/-0.000 χ^2/NDF: 50.1/38

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

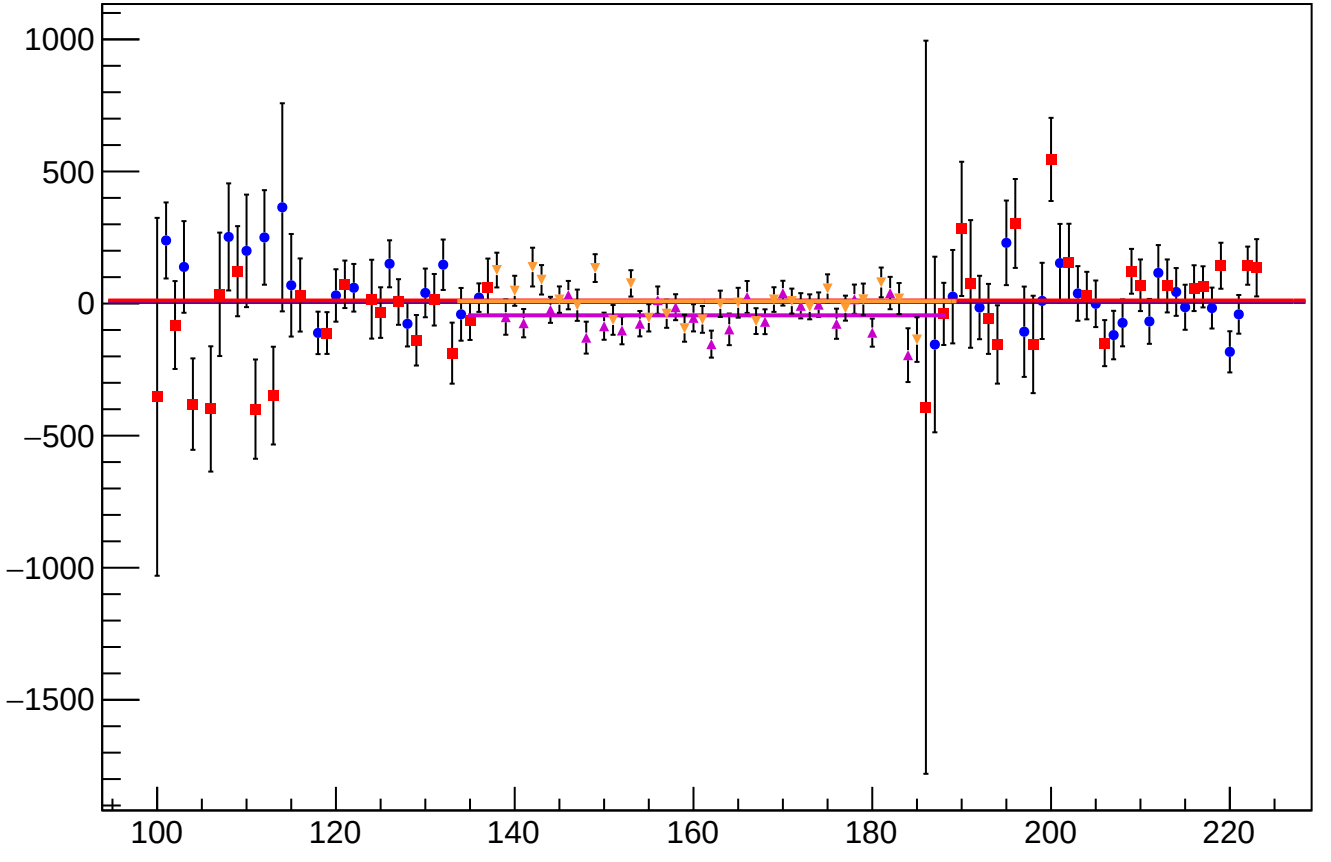
+ sign -0.000+/-0.000 χ^2/NDF: 87.4/58

All: -0.000+/-0.000 χ^2/NDF: 173.5/120

- sign -0.000+/-0.000 χ^2/NDF: 83.5/61


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10898420.0/33
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 9781486.0/38
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 18352084.3/58
All: 0.000+/-0.000 χ²/NDF: 40767511.0/120
- sign 0.000+/-0.000 χ²/NDF: 22306502.2/61

reg_asym_sam_1526_avg_mean vs Slug



Right In: 6.239+/-17.525 χ^2/NDF: 31.9/33

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 11.495+/-18.114 χ^2/NDF: 60.4/38

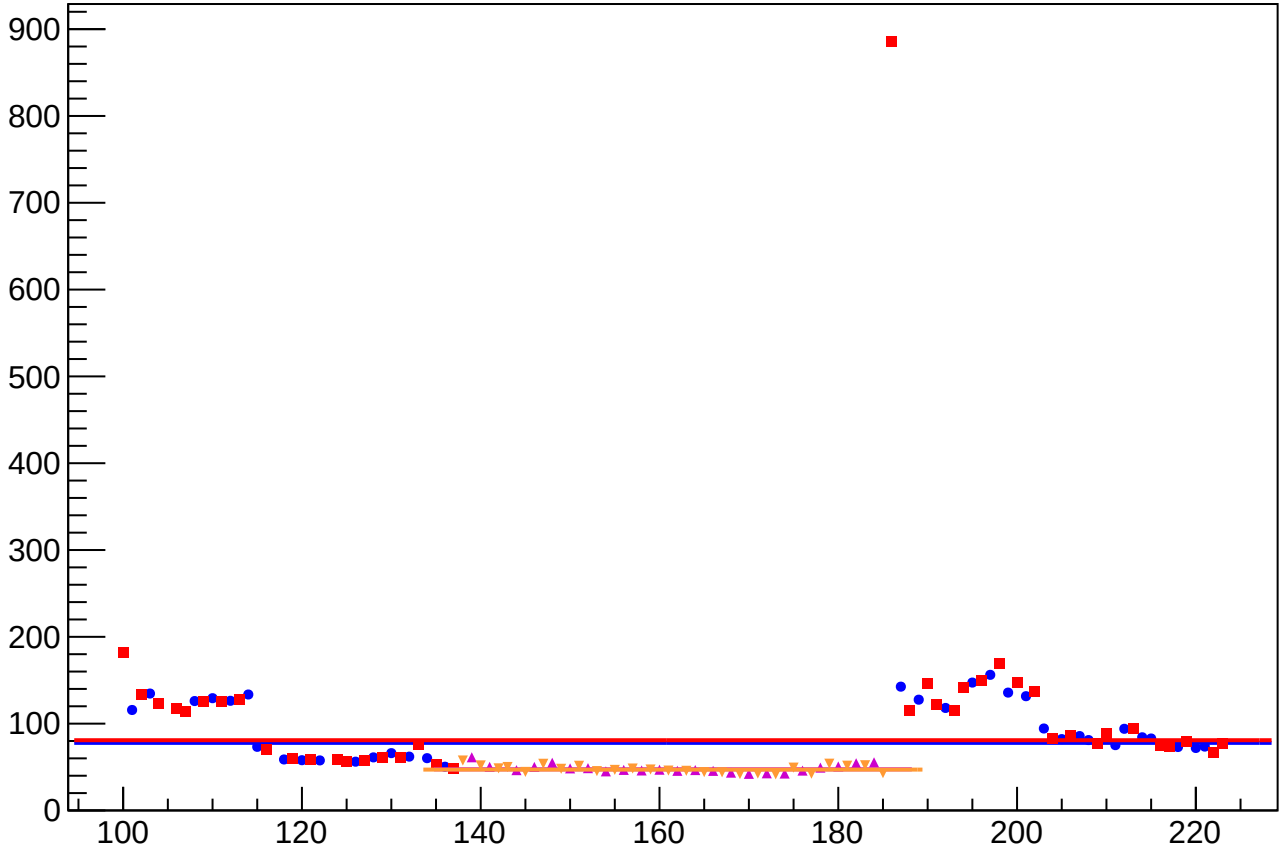
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 8.066+/-9.176 χ^2/NDF: 66.5/58

All: -9.905+/-6.598 χ^2/NDF: 168.8/120

- sign -29.146+/-9.494 χ^2/NDF: 94.4/61

reg_asym_sam_1526_avg_rms vs Slug



Right In: 77.862+/-0.012 χ^2/NDF: 3933362.3/33

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

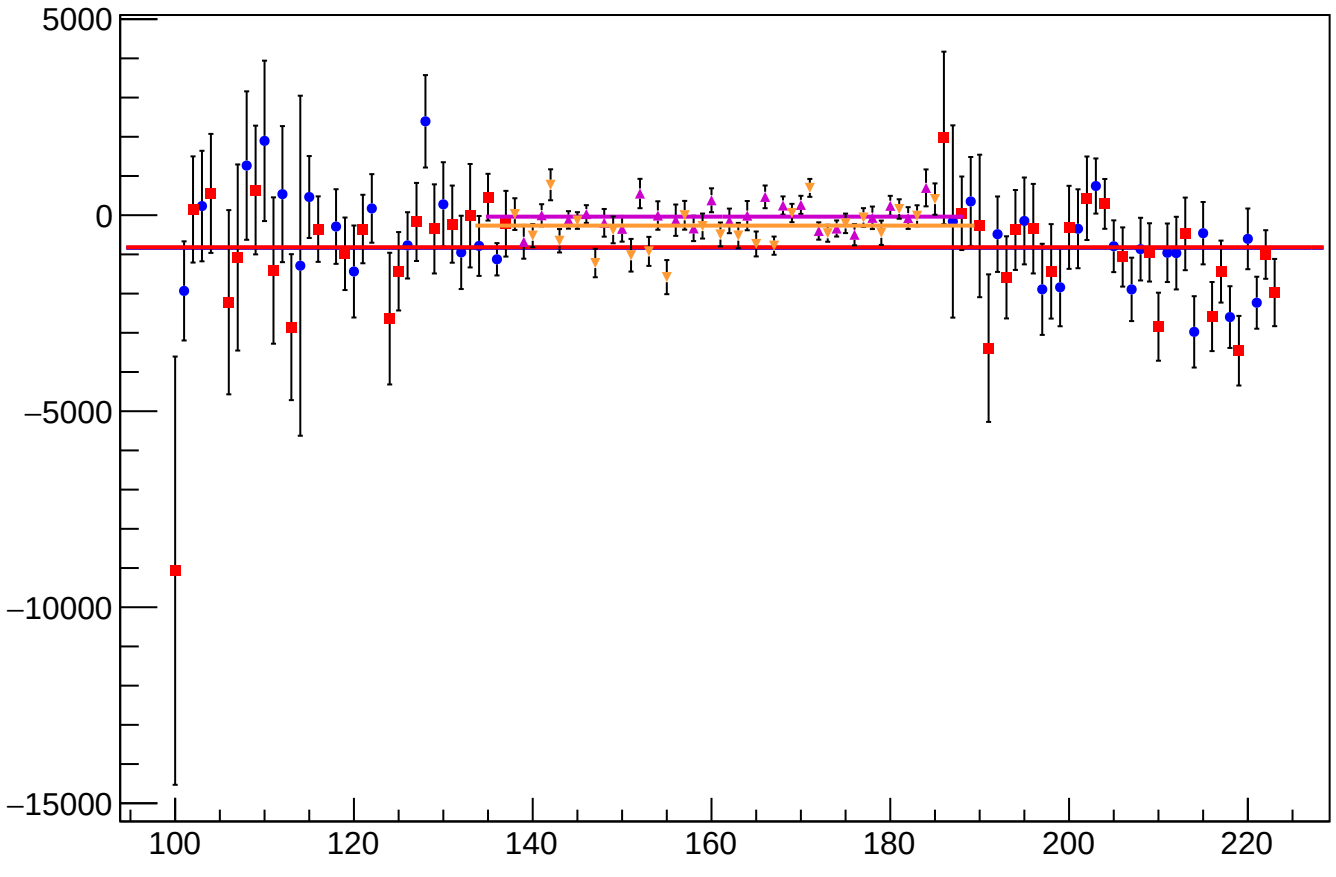
Right Out: 80.907+/-0.013 χ^2/NDF: 5155271.5/38

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.506+/-0.006 χ^2/NDF: 8704377.0/58

All: 56.031+/-0.005 χ^2/NDF: 19112282.7/120

- sign 56.593+/-0.007 χ^2/NDF: 10394346.9/61



Right In: -832.621+/-154.114 χ^2/NDF: 43.4/33

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -817.999+/-160.343 χ^2/NDF: 46.0/38

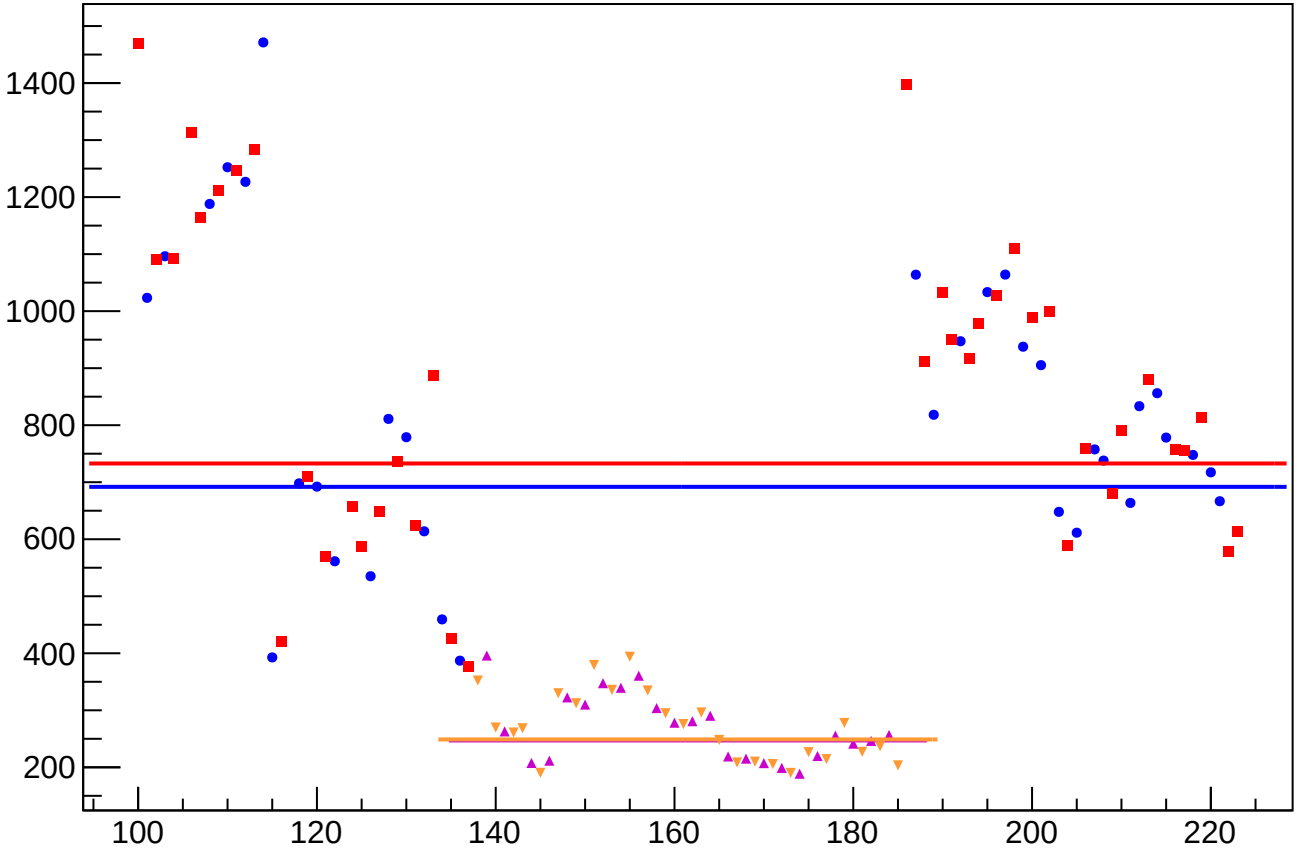
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -336.086+/-54.309 χ^2/NDF: 125.1/58

All: -235.793+/-38.817 χ^2/NDF: 225.5/120

- sign -131.043+/-55.502 χ^2/NDF: 93.5/61

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 691.857+/-0.109 χ^2/NDF: 3477611.9/33

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 732.862+/-0.113 χ^2/NDF: 3768709.1/38

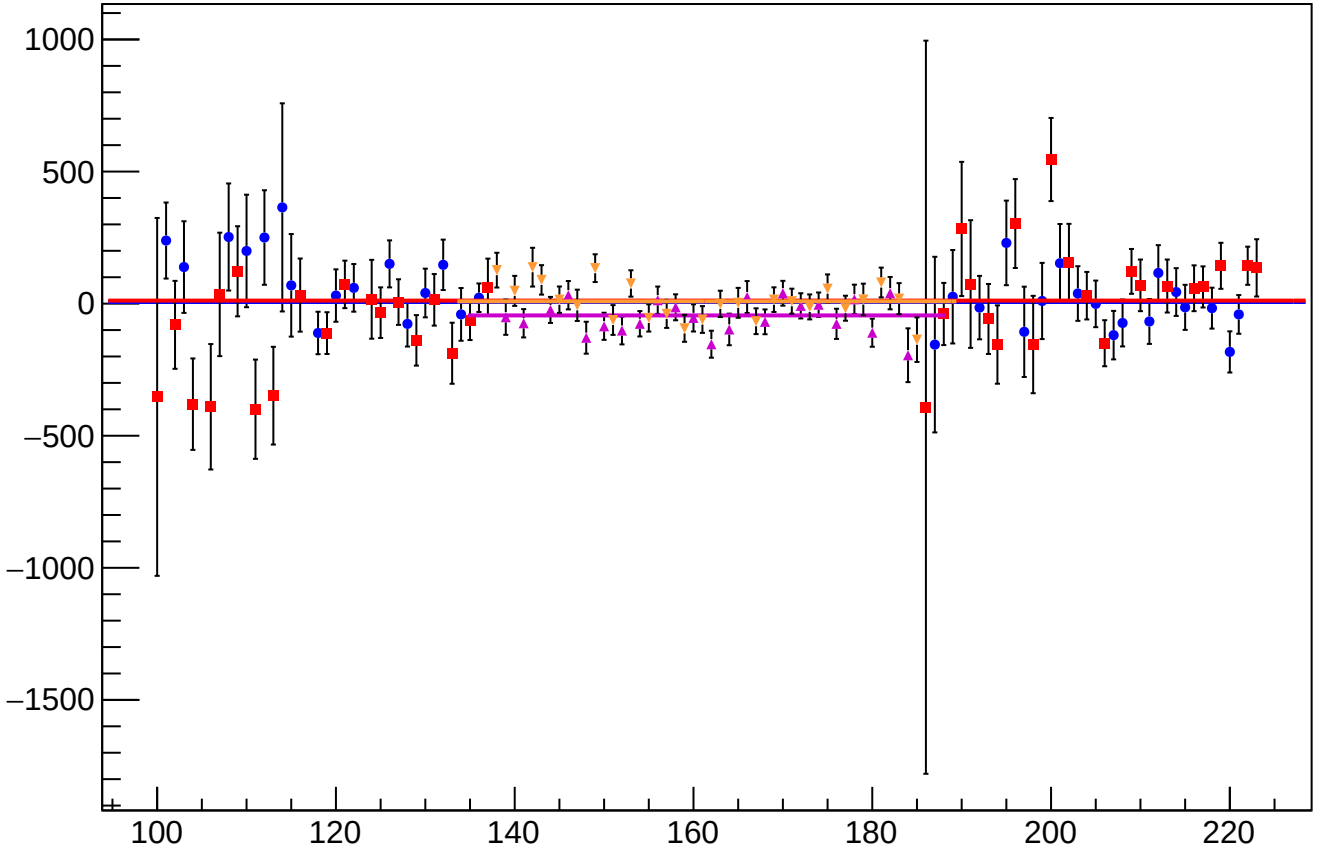
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 303.899+/-0.038 χ^2/NDF: 19612379.7/58

All: 304.589+/-0.027 χ^2/NDF: 41022131.8/12

- sign 305.311+/-0.039 χ^2/NDF: 21409090.6/61

cor_asym_sam_1526_avg_mean vs Slug



Right In: 6.234+/-17.525 χ^2/NDF: 31.9/33

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 11.565+/-18.114 χ^2/NDF: 60.3/38

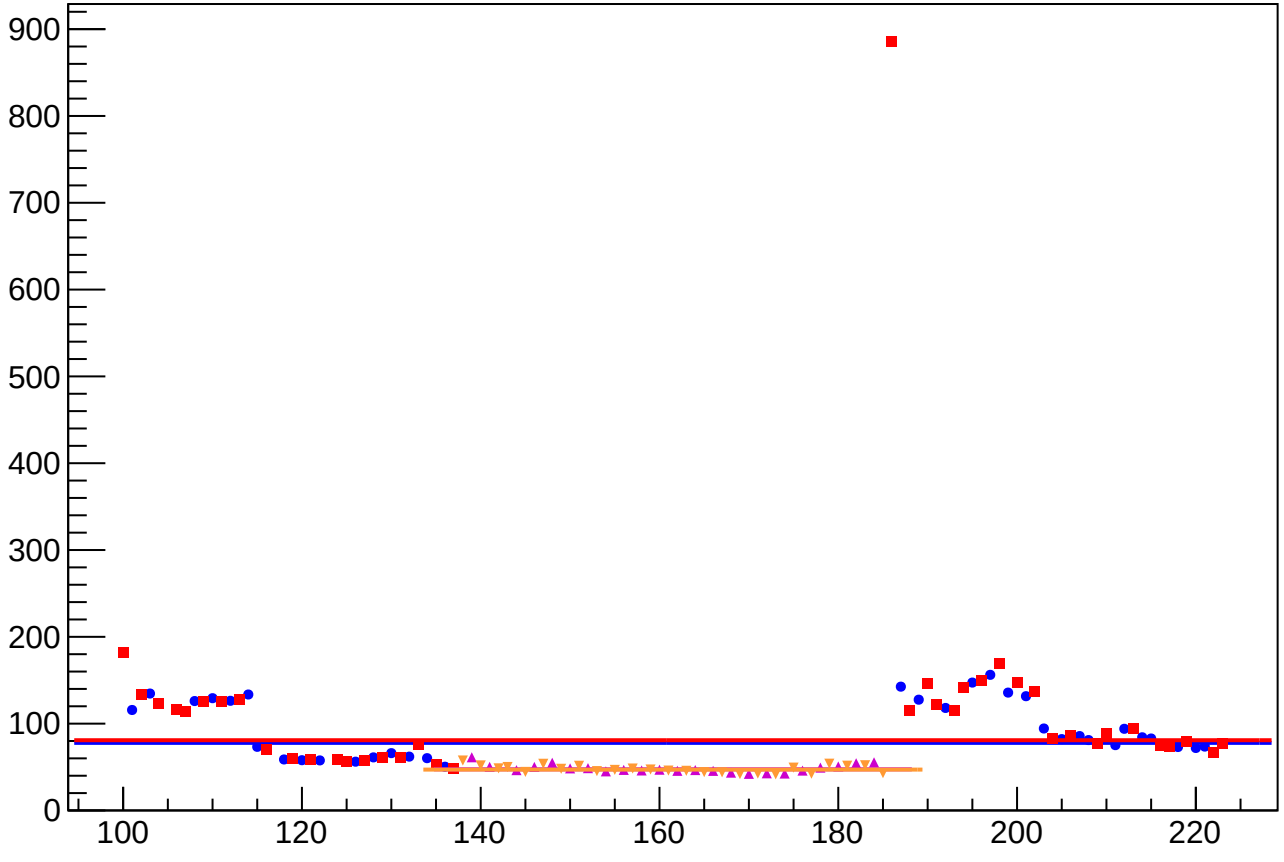
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 8.066+/-9.176 χ^2/NDF: 66.5/58

All: -9.895+/-6.598 χ^2/NDF: 168.7/120

- sign -29.127+/-9.494 χ^2/NDF: 94.2/61

cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.862+/-0.012 χ^2/NDF: 3933364.6/33

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 80.900+/-0.013 χ^2/NDF: 5152882.4/38

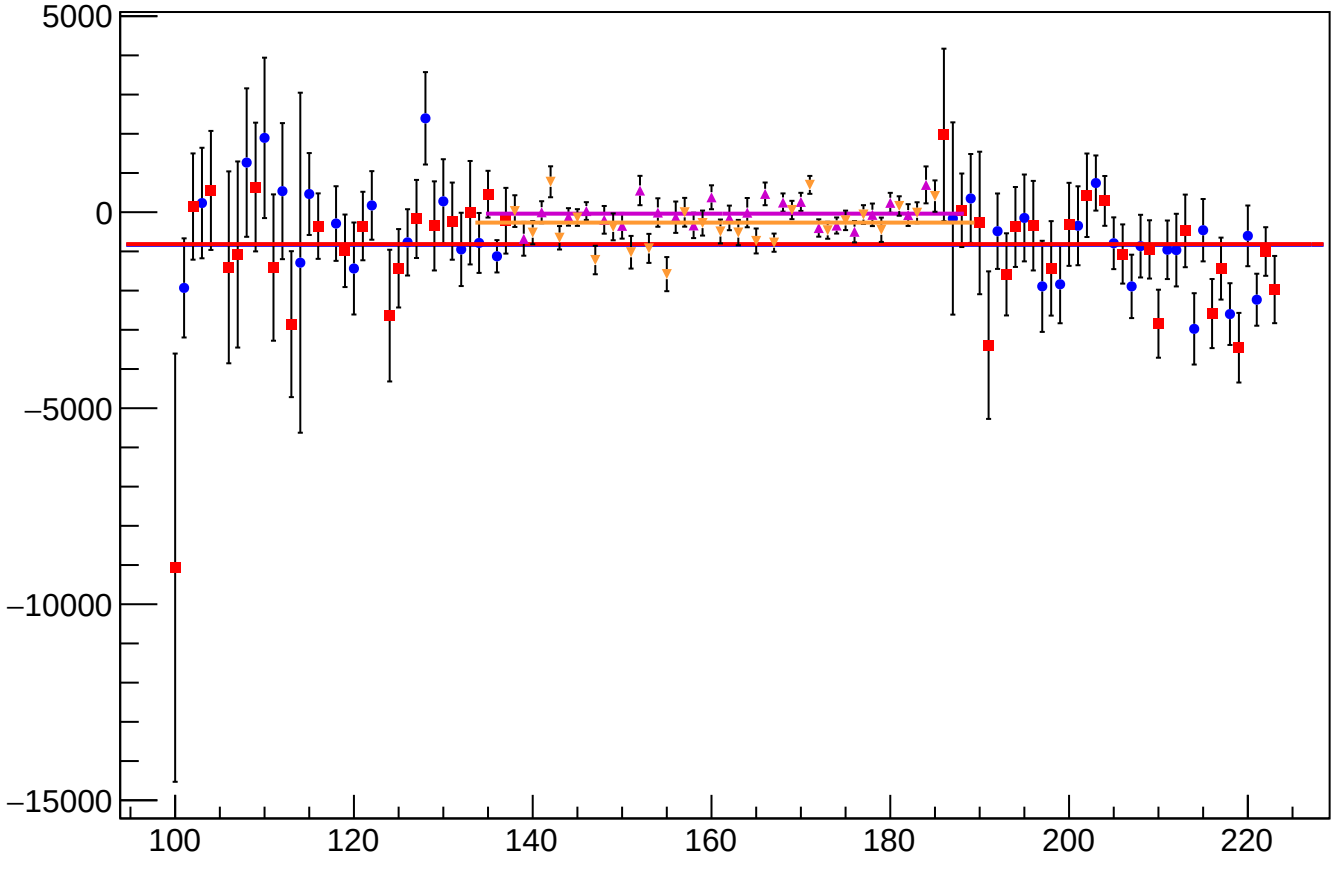
Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.506+/-0.006 χ^2/NDF: 8704379.1/58

All: 56.030+/-0.005 χ^2/NDF: 19107911.1/120

- sign 56.592+/-0.007 χ^2/NDF: 10390020.1/61

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -832.617+/-154.114 χ^2/NDF: 43.4/33

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -814.046+/-160.374 χ^2/NDF: 45.7/38

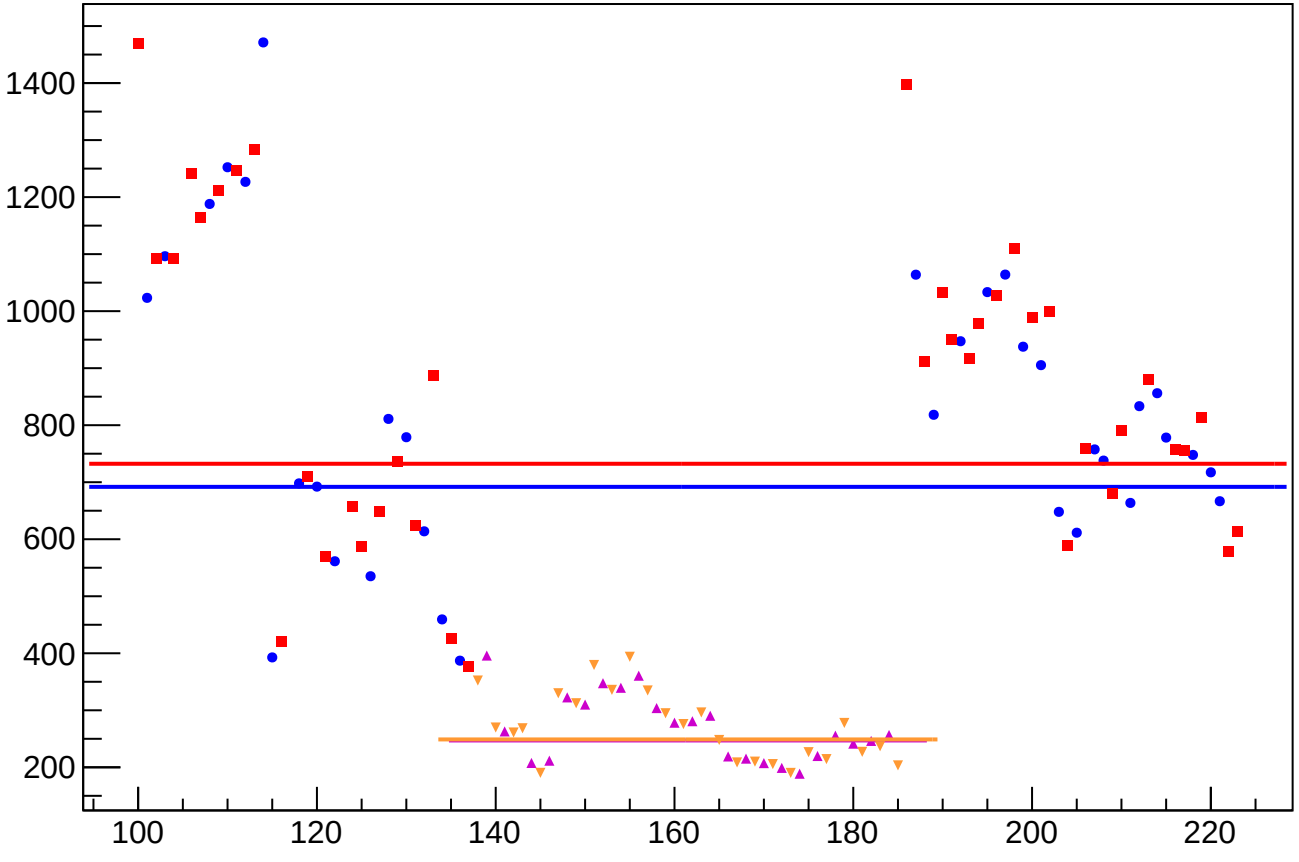
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -336.082+/-54.309 χ^2/NDF: 125.1/58

All: -235.545+/-38.818 χ^2/NDF: 225.0/120

- sign -130.535+/-55.504 χ^2/NDF: 92.9/61

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 691.857+/-0.109 χ^2/NDF: 3477651.6/33

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 732.344+/-0.113 χ^2/NDF: 3733362.8/38

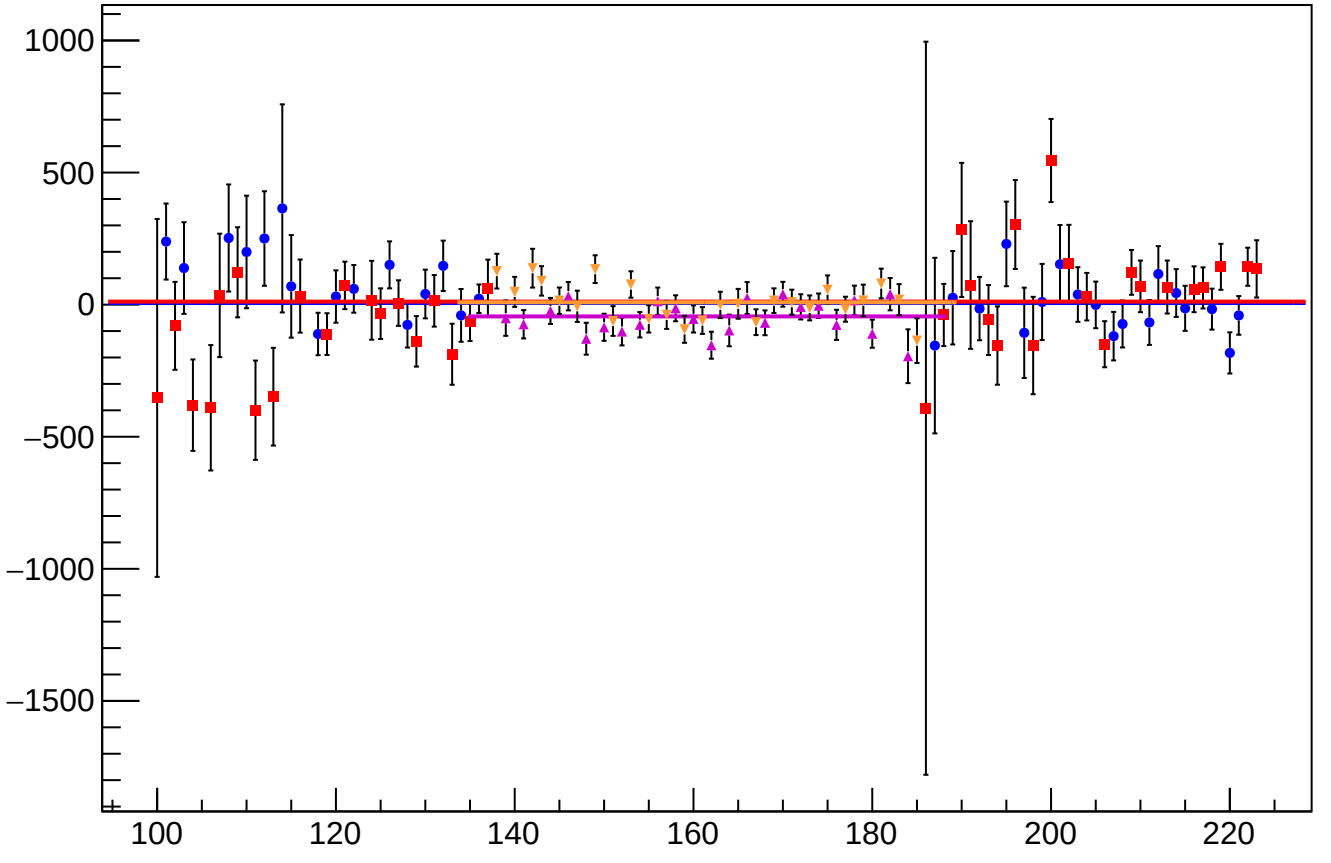
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 303.898+/-0.038 χ^2/NDF: 19612429.8/58

All: 304.549+/-0.027 χ^2/NDF: 40946855.7/12

- sign 305.229+/-0.039 χ^2/NDF: 21333838.6/61

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 6.234+/-17.525 χ^2/NDF: 31.9/33

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 11.565+/-18.114 χ^2/NDF: 60.3/38

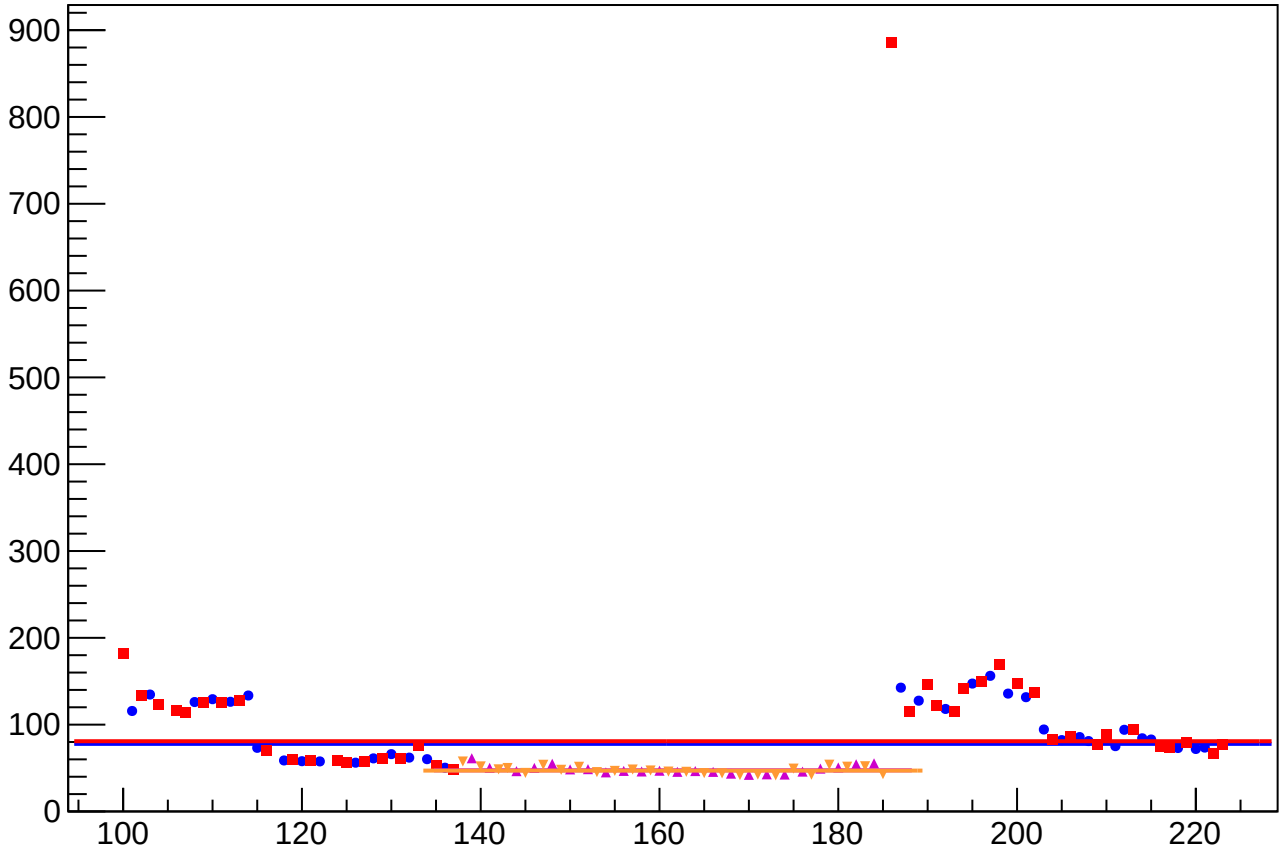
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 8.066+/-9.176 χ^2/NDF: 66.5/58

All: -9.895+/-6.598 χ^2/NDF: 168.7/120

- sign -29.127+/-9.494 χ^2/NDF: 94.2/61

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.862+/-0.012 χ^2/NDF: 3933364.6/33

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

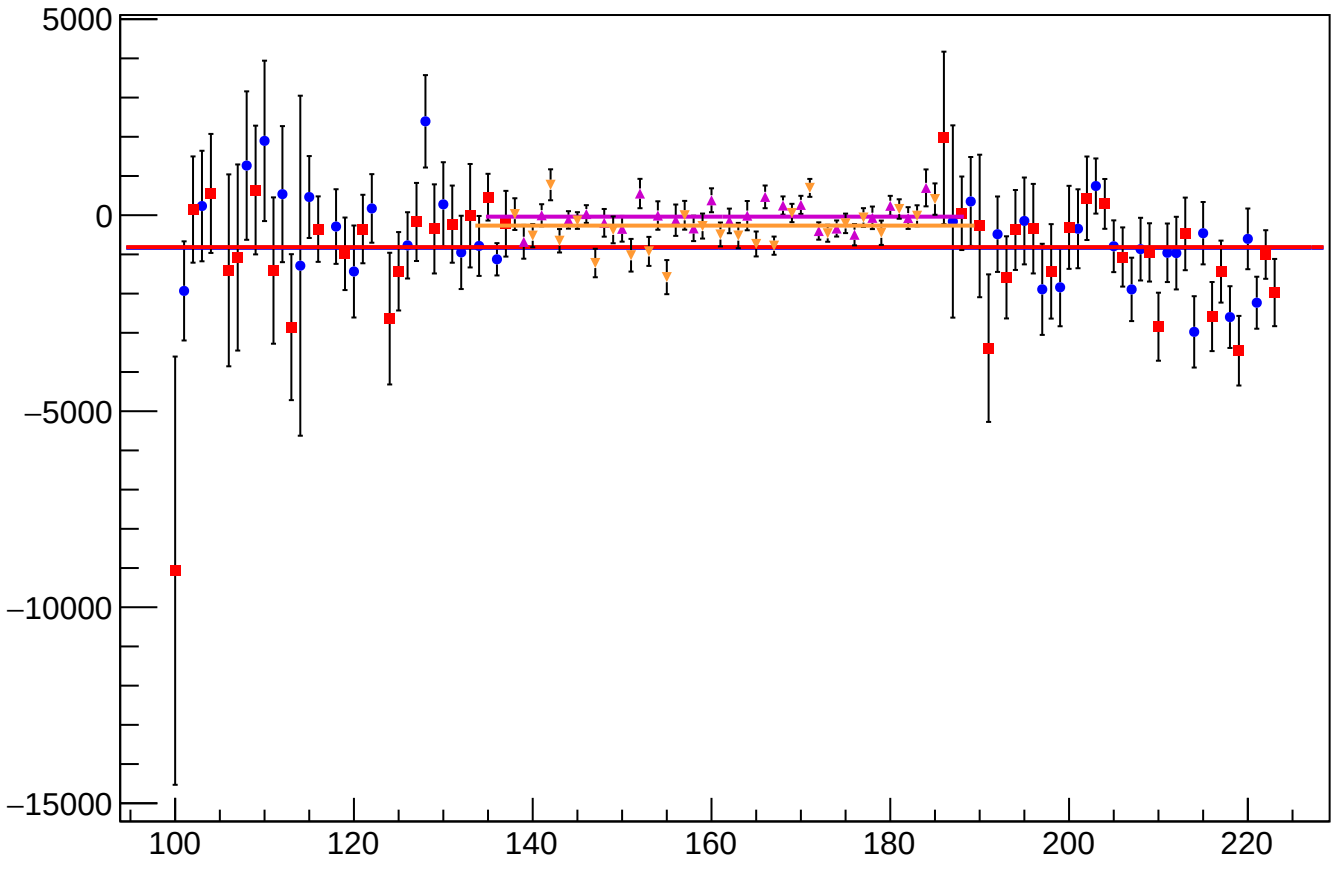
Right Out: 80.900+/-0.013 χ^2/NDF: 5152882.4/38

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.506+/-0.006 χ^2/NDF: 8704379.1/58

All: 56.030+/-0.005 χ^2/NDF: 19107911.1/120

- sign 56.592+/-0.007 χ^2/NDF: 10390020.1/61



Right In: -832.617+/-154.114 χ^2/NDF: 43.4/33

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

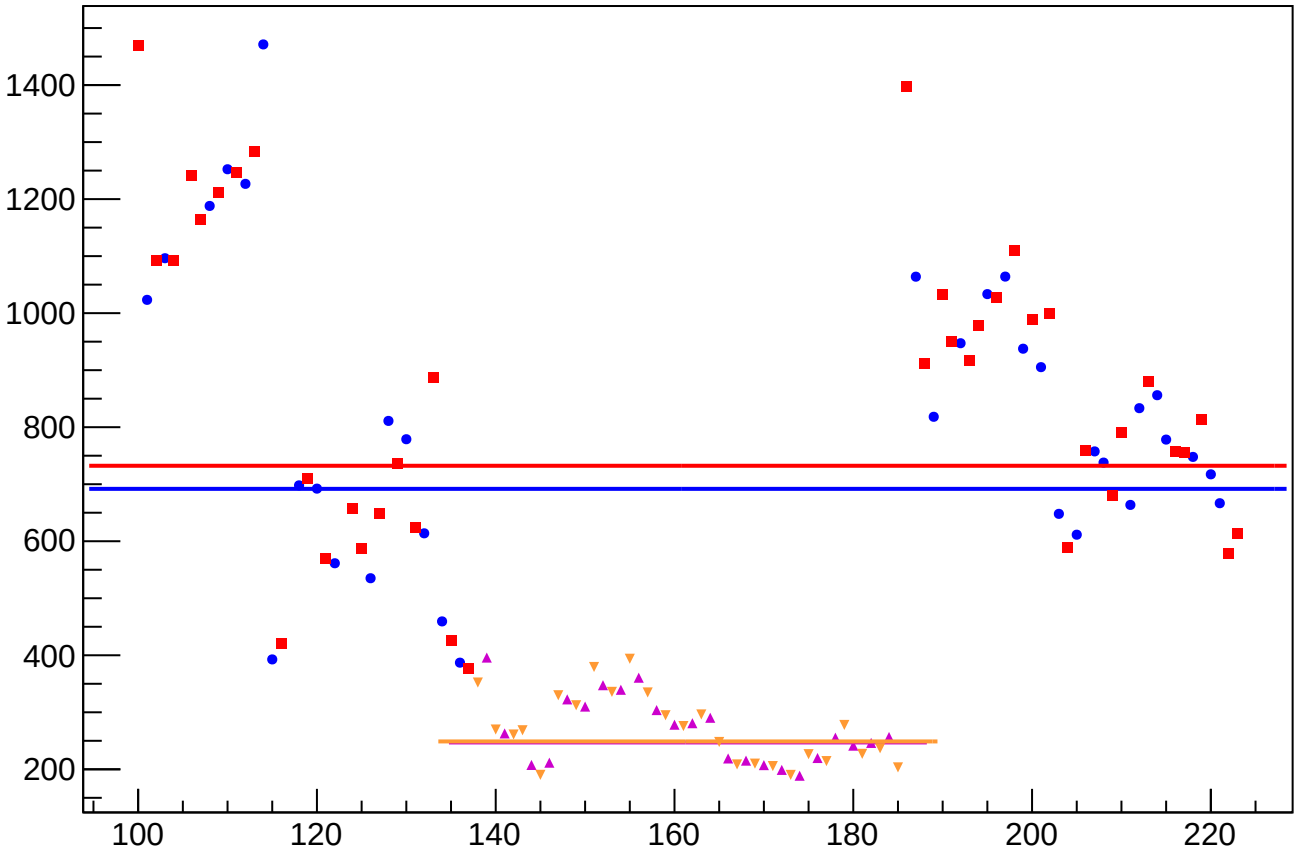
Right Out: -814.046+/-160.374 χ^2/NDF: 45.7/38

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -336.082+/-54.309 χ^2/NDF: 125.1/58

All: -235.545+/-38.818 χ^2/NDF: 225.0/120

- sign -130.535+/-55.504 χ^2/NDF: 92.9/61



Right In: 691.857+/-0.109 χ^2/NDF: 3477651.6/33

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 732.344+/-0.113 χ^2/NDF: 3733362.8/38

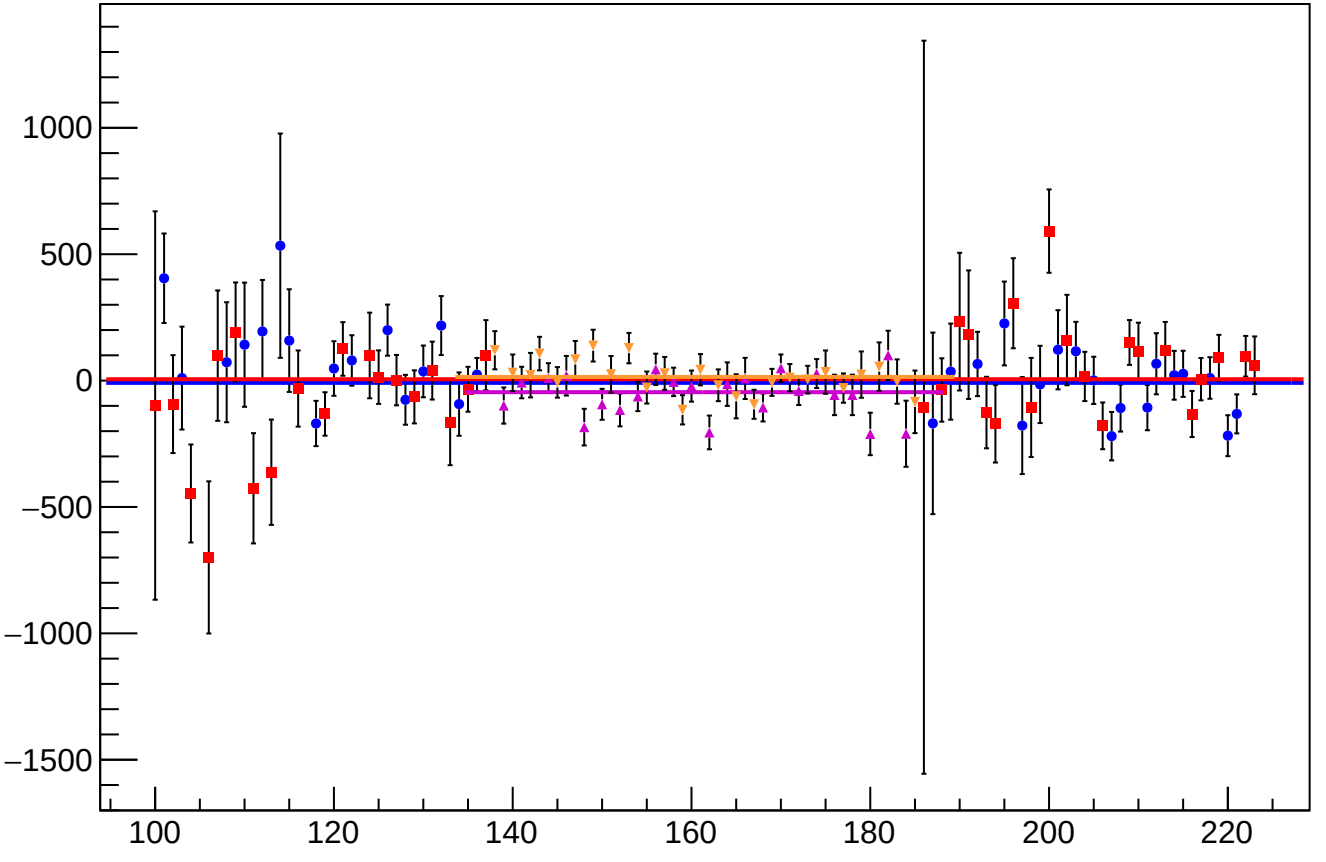
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 303.898+/-0.038 χ^2/NDF: 19612429.8/58

All: 304.549+/-0.027 χ^2/NDF: 40946855.7/12

- sign 305.229+/-0.039 χ^2/NDF: 21333838.6/61

dit_asym_sam_1526_avg_mean vs Slug



Right In: -8.938+/-19.376 χ^2/NDF: 45.1/33

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 5.325+/-20.189 χ^2/NDF: 58.9/38

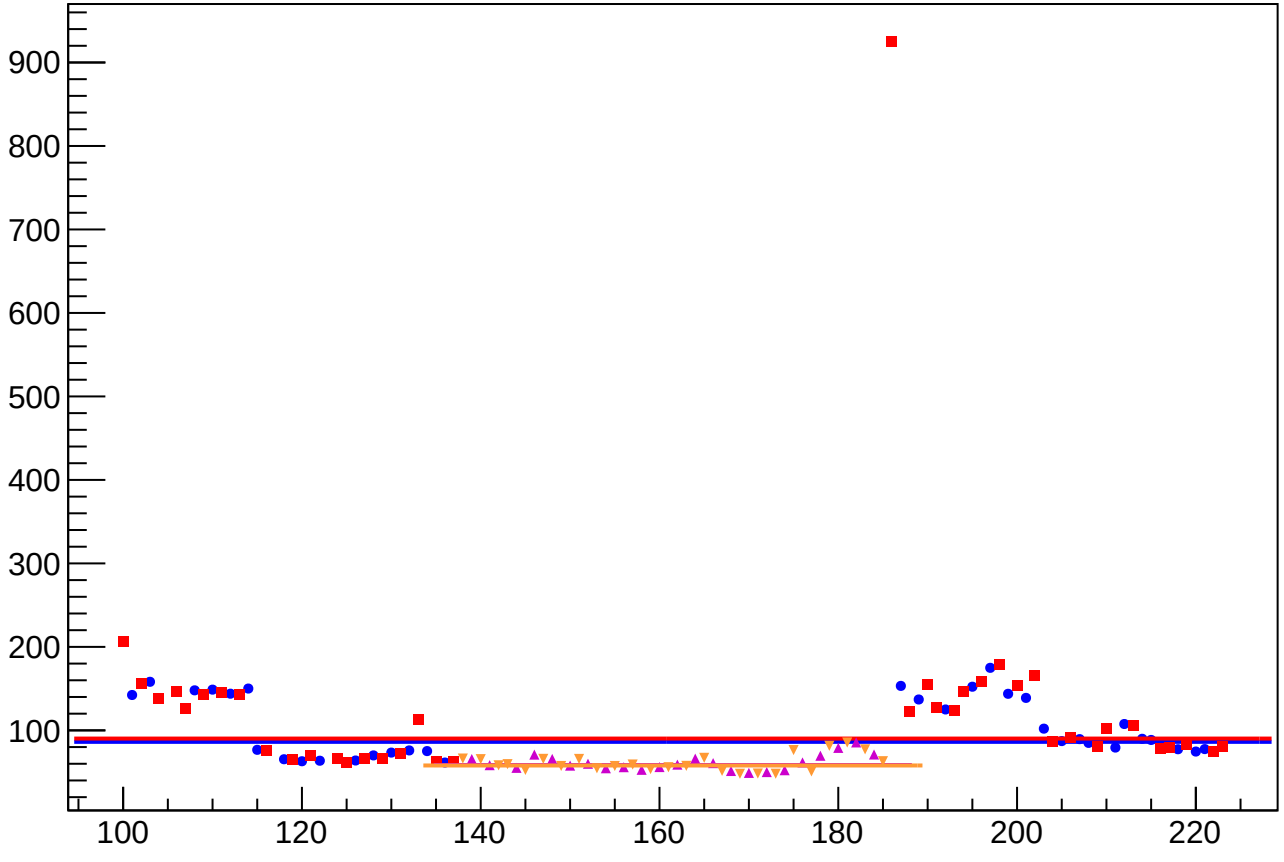
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 6.874+/-11.051 χ^2/NDF: 70.6/58

All: -10.553+/-7.957 χ^2/NDF: 169.8/120

- sign -29.313+/-11.466 χ^2/NDF: 94.0/61

dit_asym_sam_1526_avg_rms vs Slug



Right In: 86.249+/-0.014 χ^2/NDF: 3581869.6/33

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

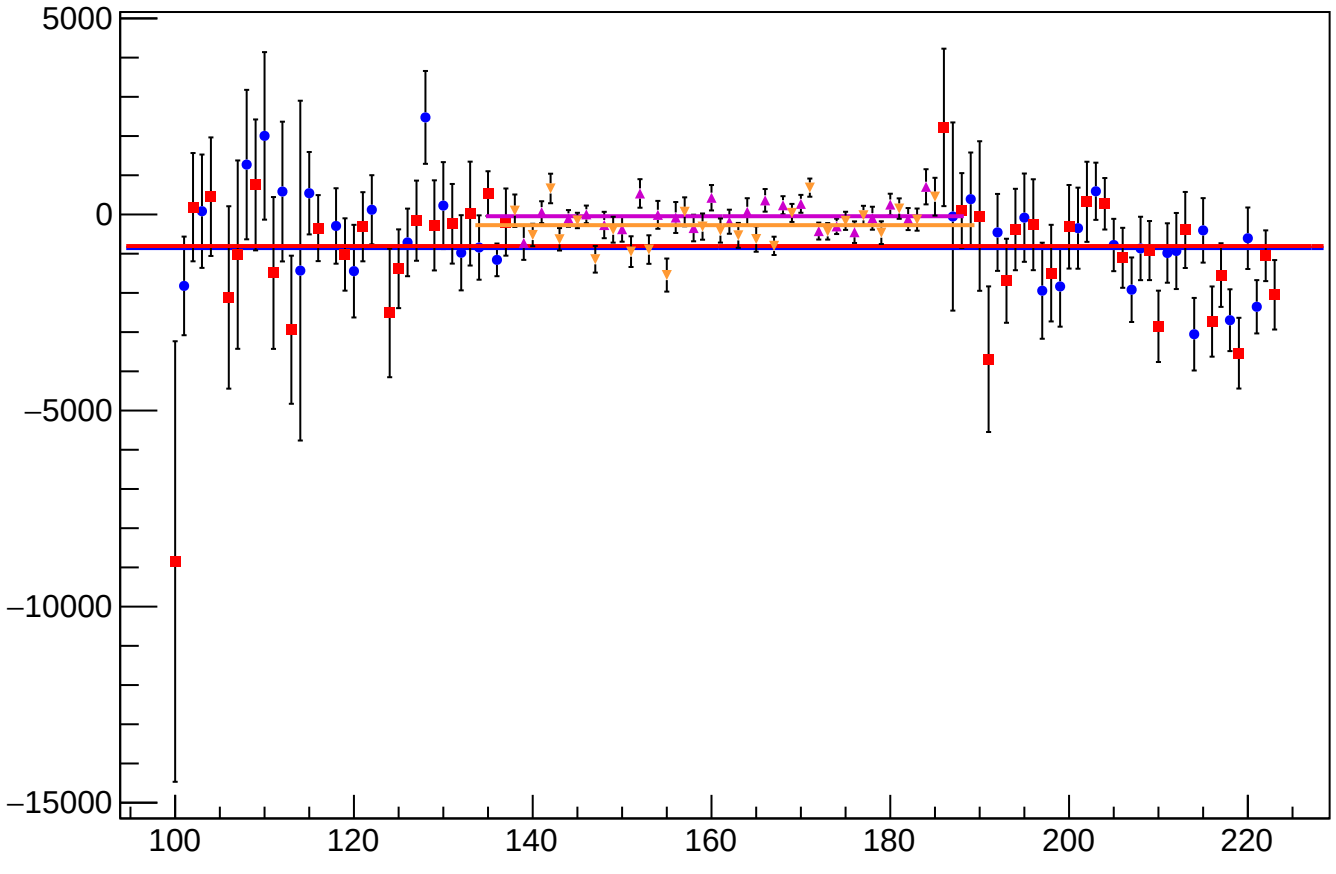
Right Out: 90.181+/-0.014 χ^2/NDF: 4856786.0/38

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 67.166+/-0.008 χ^2/NDF: 7354105.5/58

All: 67.907+/-0.006 χ^2/NDF: 16220377.0/120

- sign 68.705+/-0.008 χ^2/NDF: 8847589.5/61



Right In: -857.104+/-157.296 χ^2/NDF: 43.5/33

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -805.055+/-162.524 χ^2/NDF: 48.7/38

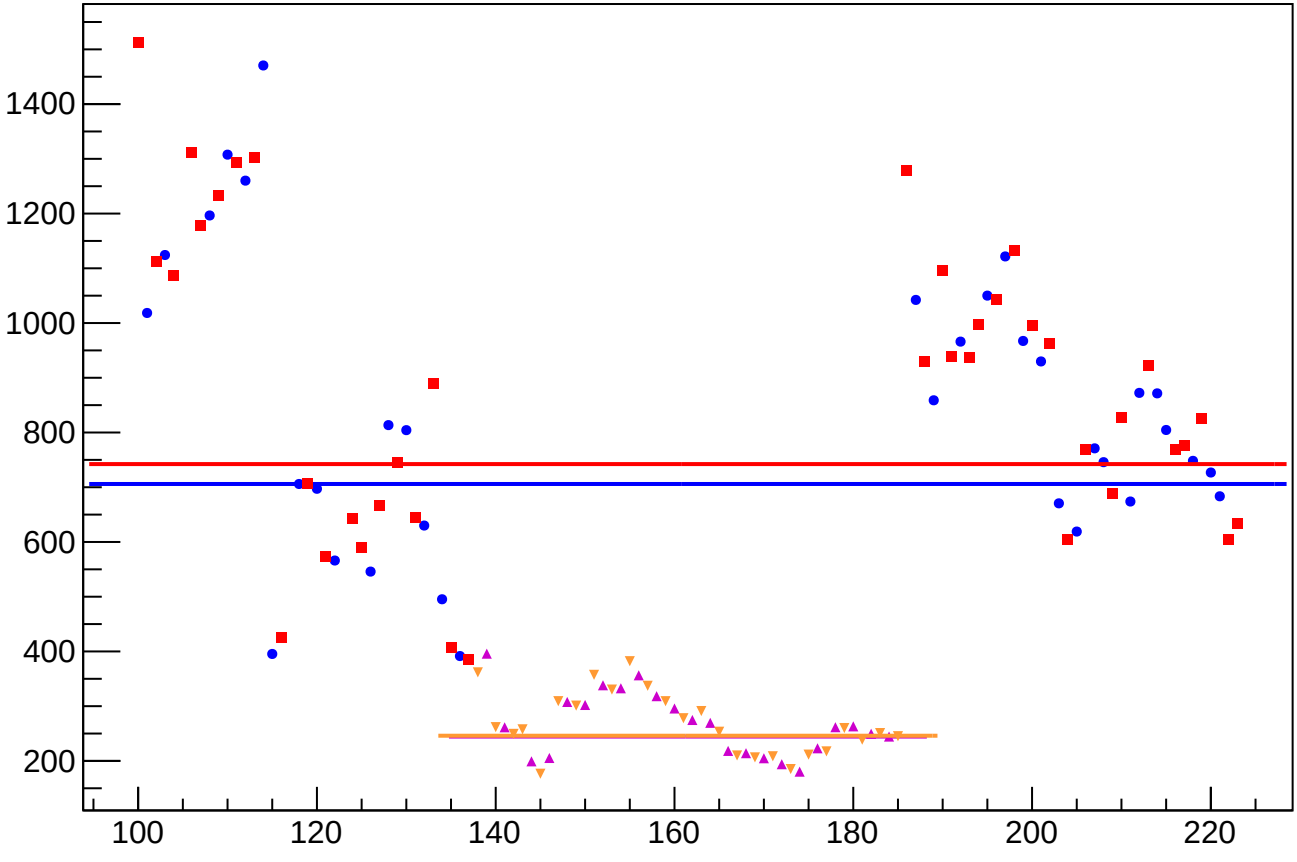
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -340.946+/-53.817 χ^2/NDF: 121.5/58

All: -239.047+/-38.513 χ^2/NDF: 223.4/120

- sign -132.085+/-55.138 χ^2/NDF: 94.5/61

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 705.938+/-0.111 χ^2/NDF: 3522211.0/33

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 742.307+/-0.115 χ^2/NDF: 3855861.4/38

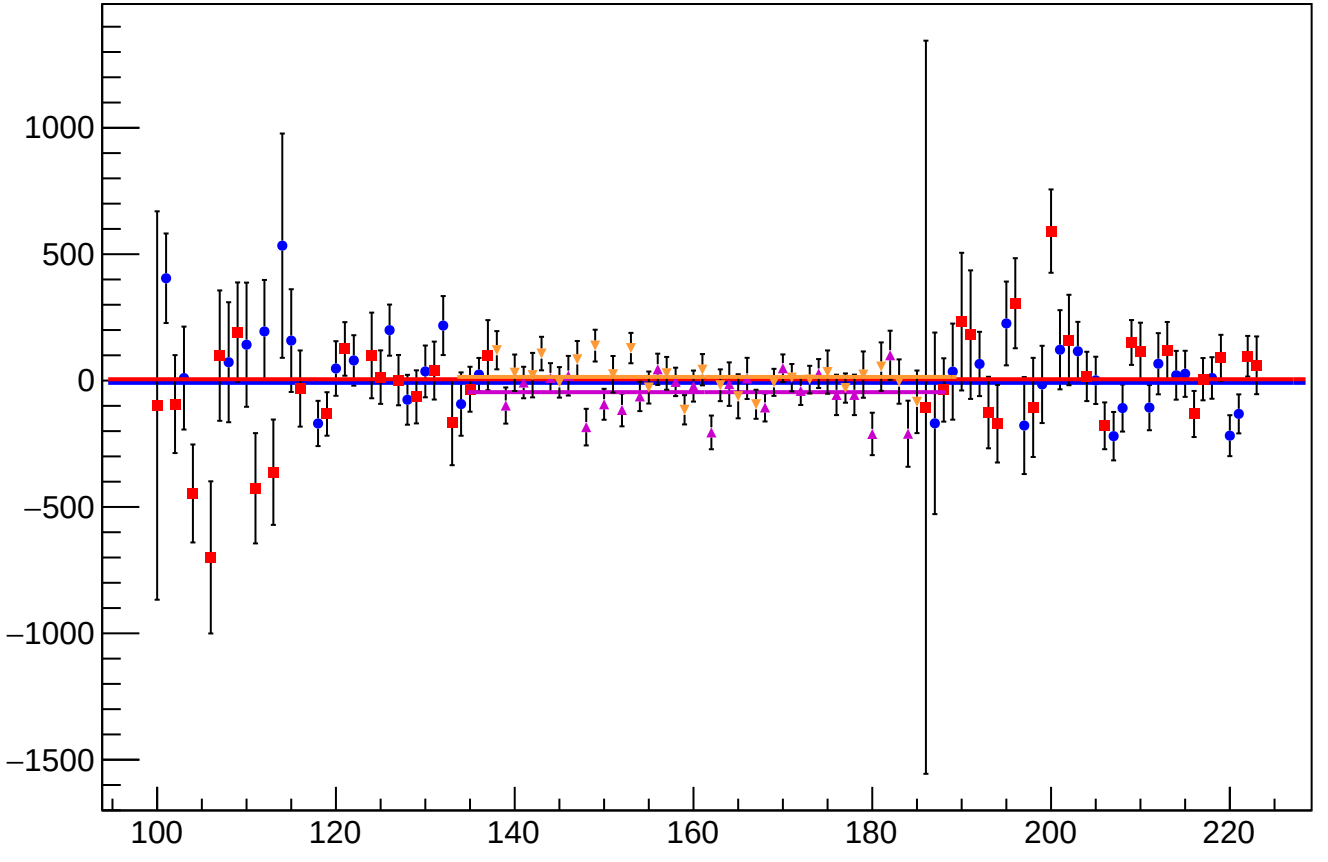
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 299.856+/-0.038 χ^2/NDF: 20299881.0/58

All: 300.781+/-0.027 χ^2/NDF: 42361366.8/12

- sign 301.752+/-0.039 χ^2/NDF: 22060273.5/61

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: -8.936+/-19.376 χ^2/NDF: 45.1/33

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 5.326+/-20.189 χ^2/NDF: 58.9/38

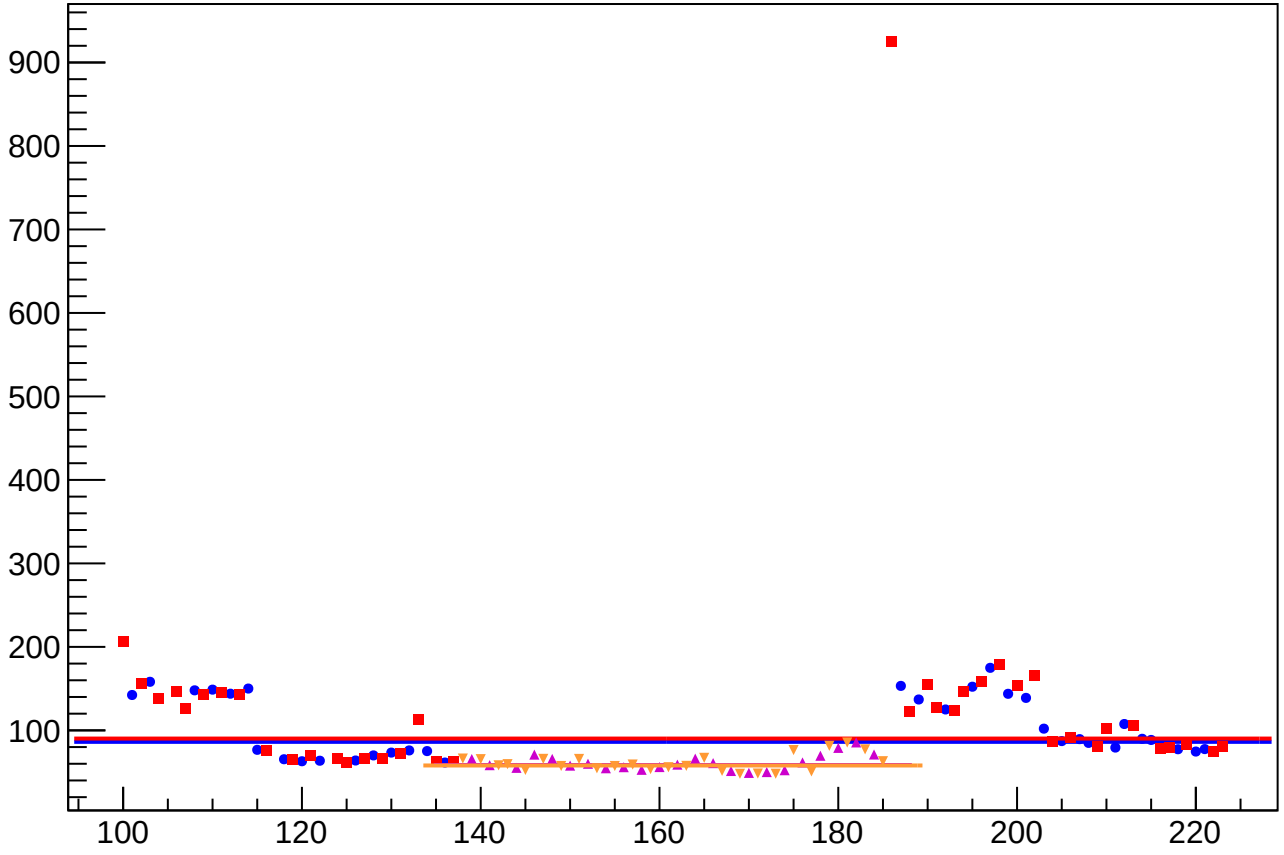
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 6.874+/-11.051 χ^2/NDF: 70.6/58

All: -10.552+/-7.957 χ^2/NDF: 169.8/120

- sign -29.312+/-11.466 χ^2/NDF: 94.0/61

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 86.249+/-0.014 χ^2/NDF: 3581875.0/33

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

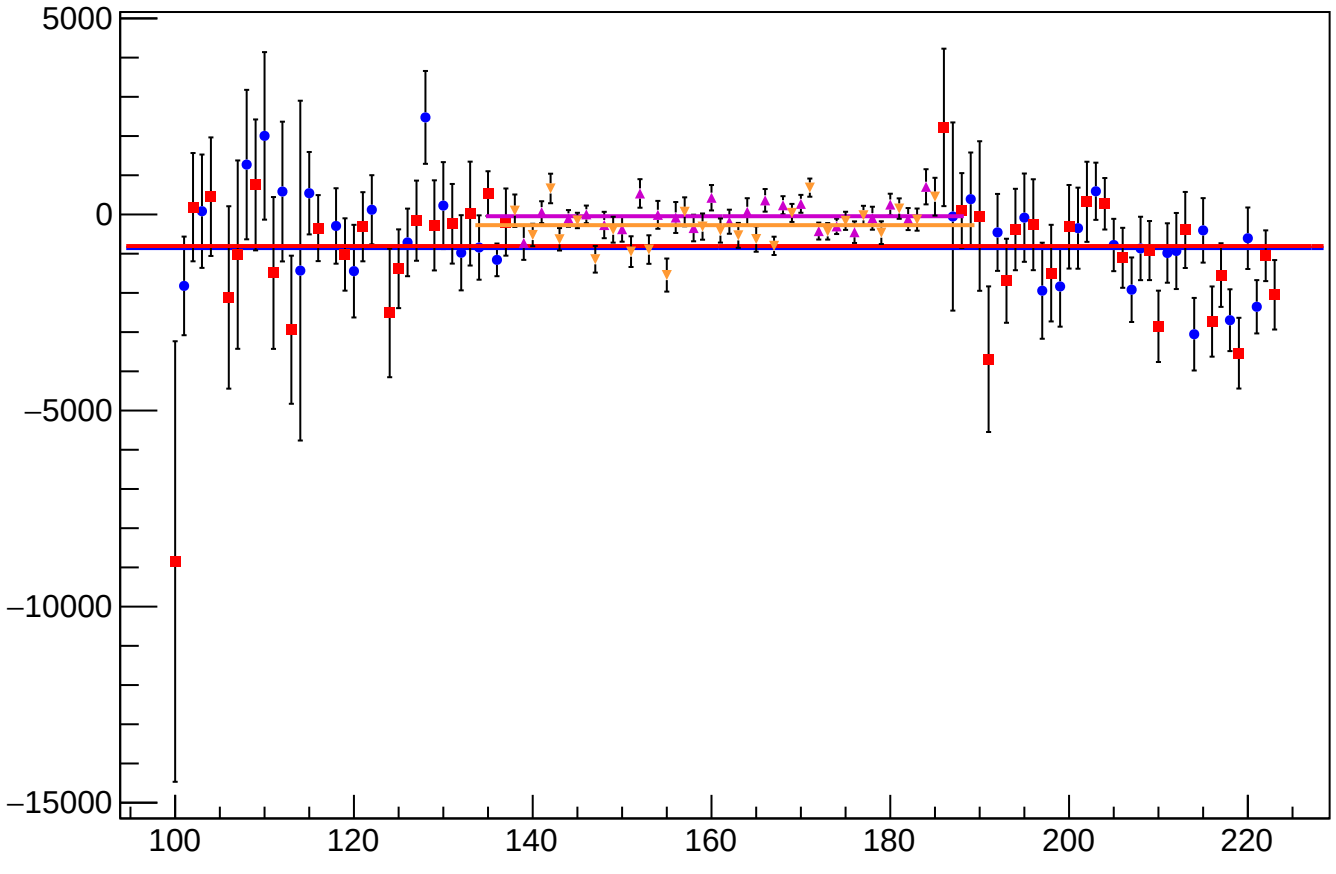
Right Out: 90.181+/-0.014 χ^2/NDF: 4856795.5/38

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 67.166+/-0.008 χ^2/NDF: 7354053.3/58

All: 67.907+/-0.006 χ^2/NDF: 16220249.3/120

- sign 68.705+/-0.008 χ^2/NDF: 8847512.4/61



Right In: -857.102+/-157.296 χ^2/NDF: 43.5/33

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

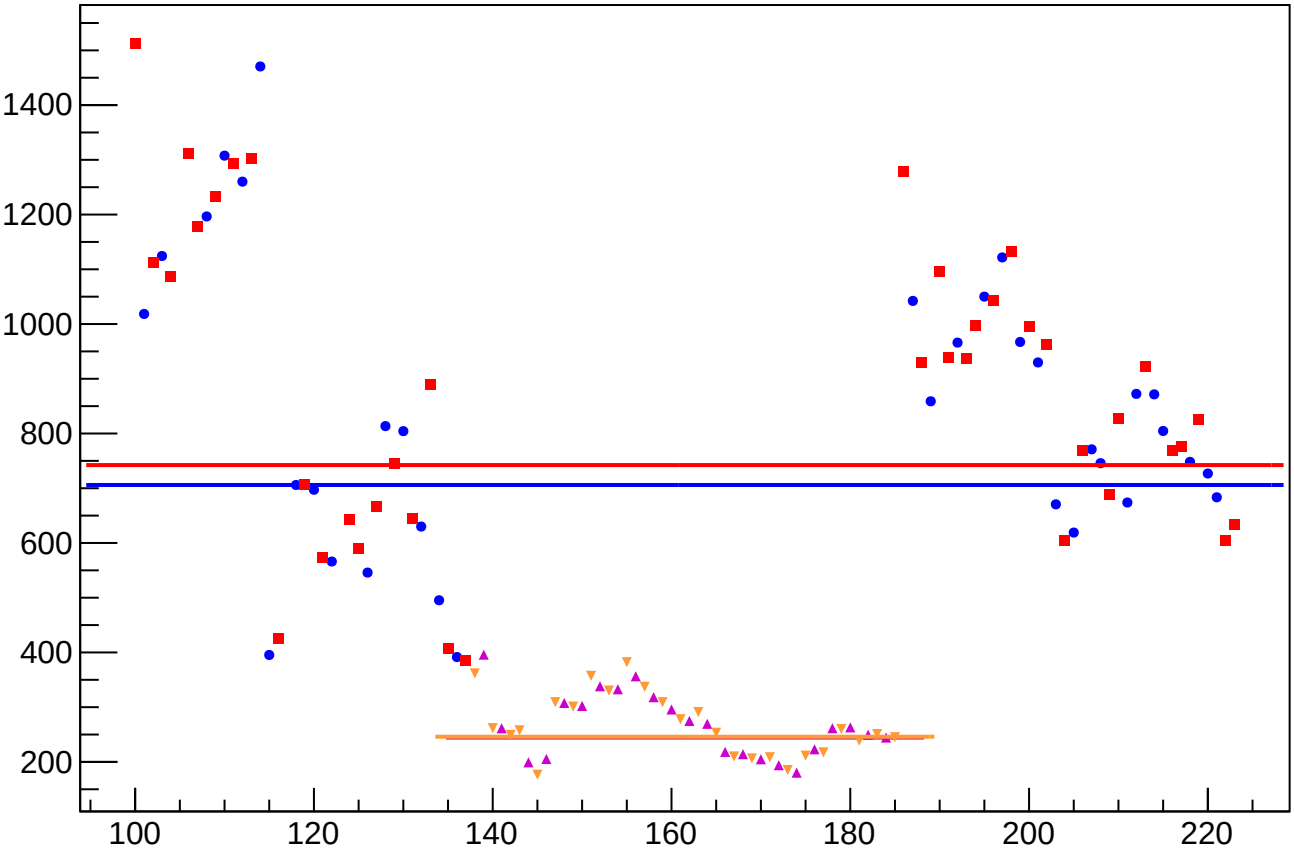
Right Out: -805.054+/-162.524 χ^2/NDF: 48.7/38

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -340.945+/-53.817 χ^2/NDF: 121.5/58

All: -239.046+/-38.513 χ^2/NDF: 223.4/120

- sign -132.085+/-55.138 χ^2/NDF: 94.5/61



Right In: 705.937+/-0.111 χ^2/NDF: 3522194.0/33

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 742.307+/-0.115 χ^2/NDF: 3855838.6/38

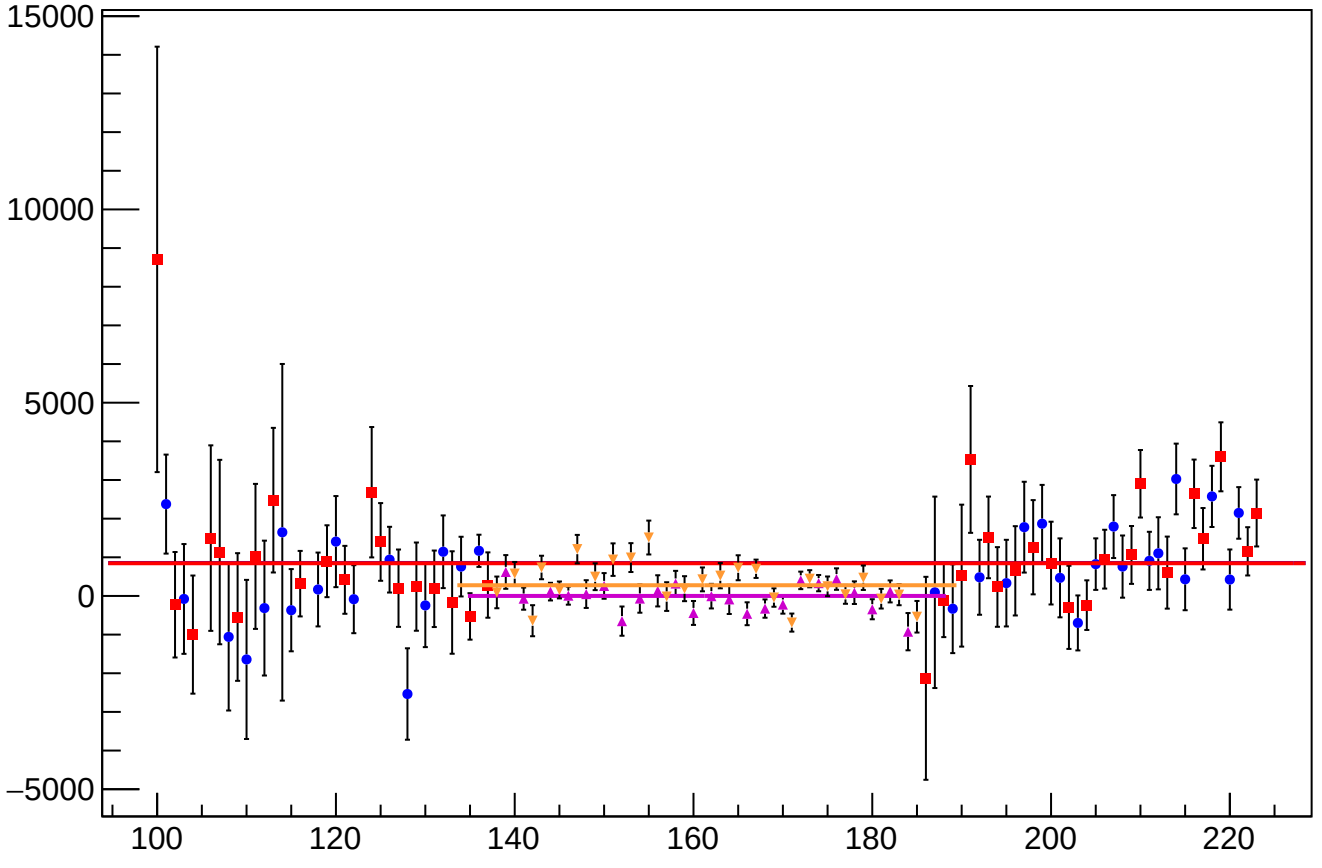
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 299.855+/-0.038 χ^2/NDF: 20299890.9/58

All: 300.781+/-0.027 χ^2/NDF: 42361368.0/12

- sign 301.752+/-0.039 χ^2/NDF: 22060264.6/61

asym_sam_1526_avg_mean vs Slug



Right In: 853.031+/-155.375 χ^2/NDF: 42.2/33

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 846.244+/-161.706 χ^2/NDF: 46.9/38

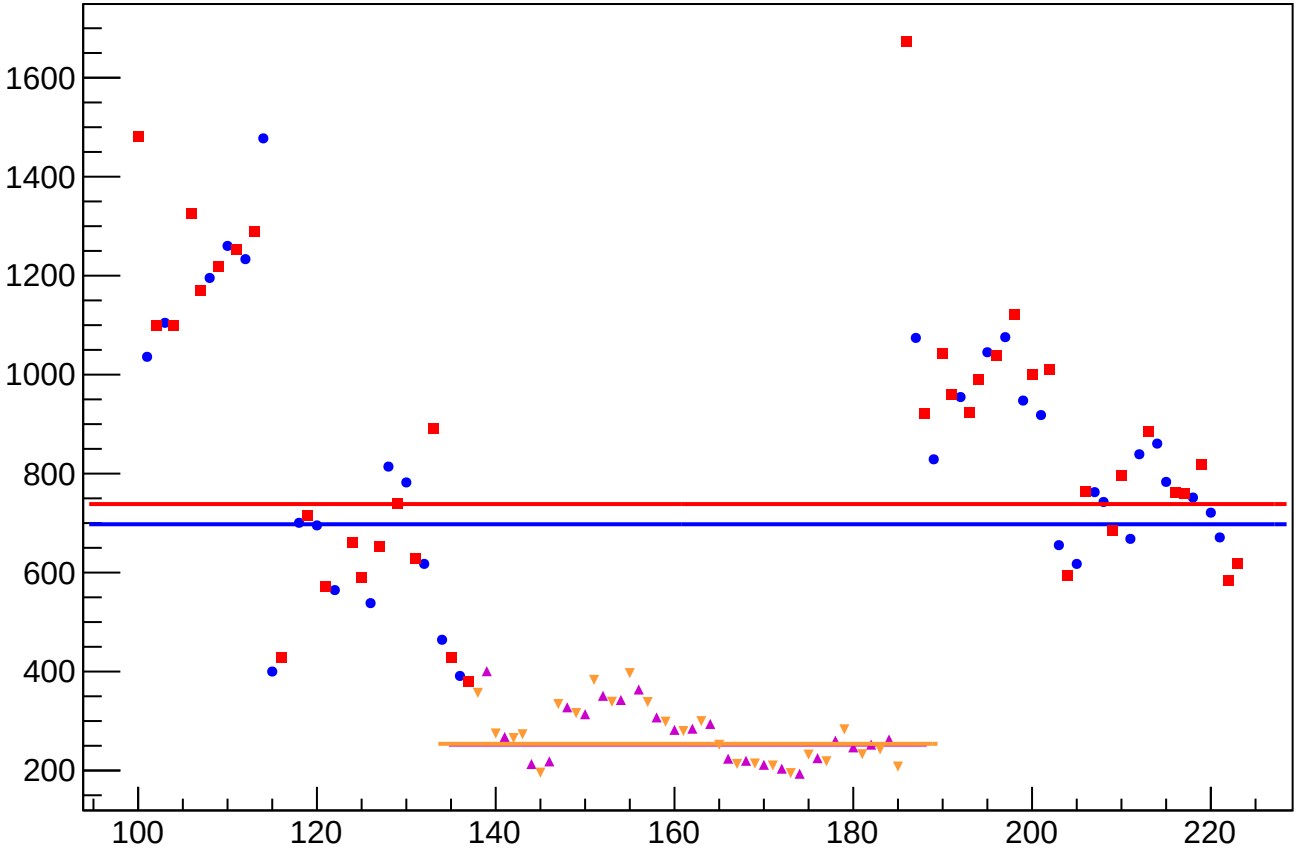
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 349.979+/-55.279 χ^2/NDF: 118.2/58

All: 229.759+/-39.528 χ^2/NDF: 227.0/120

- sign 103.965+/-56.546 χ^2/NDF: 99.1/61

asym_sam_1526_avg_rms vs Slug



Right In: 697.667+/-0.110 χ^2/NDF: 3461311.4/33

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

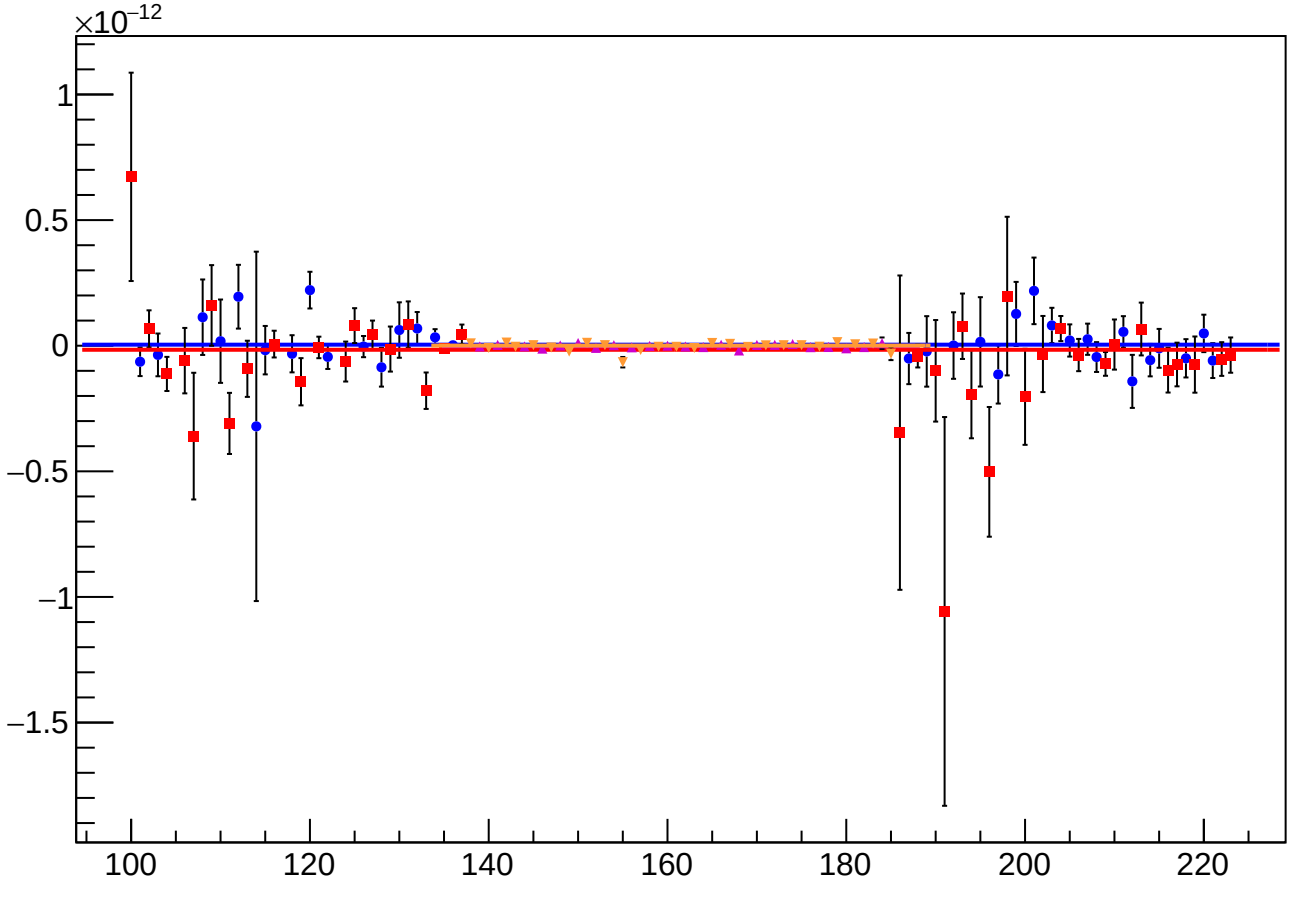
Right Out: 738.454+/-0.114 χ^2/NDF: 3834503.6/38

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 310.117+/-0.039 χ^2/NDF: 19298215.3/58

All: 310.951+/-0.028 χ^2/NDF: 40406493.6/12

- sign 311.825+/-0.040 χ^2/NDF: 21107345.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

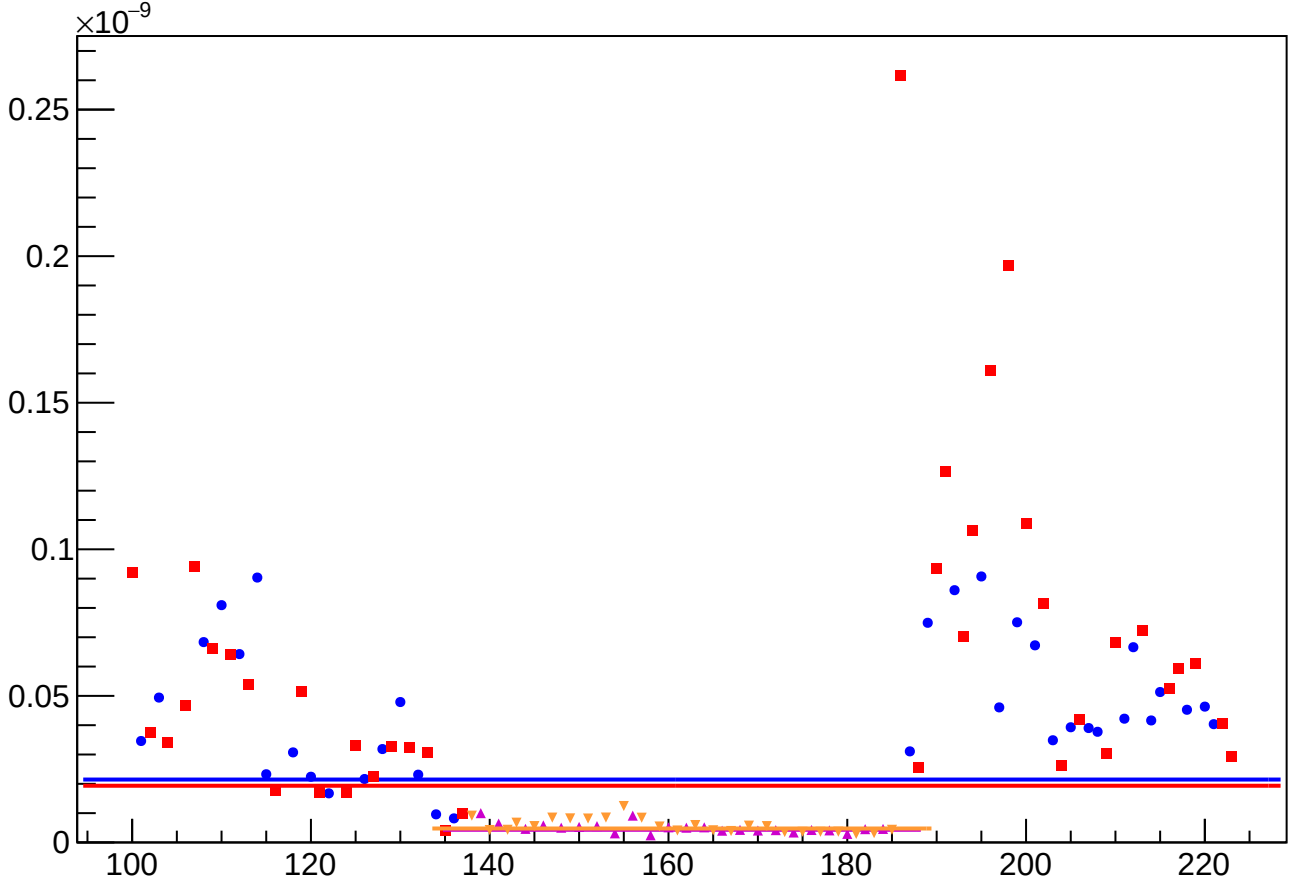
Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/38

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/58

All: -0.000+/-0.000 χ^2/NDF: 120.9/120

- sign -0.000+/-0.000 χ^2/NDF: 62.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 7388632.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

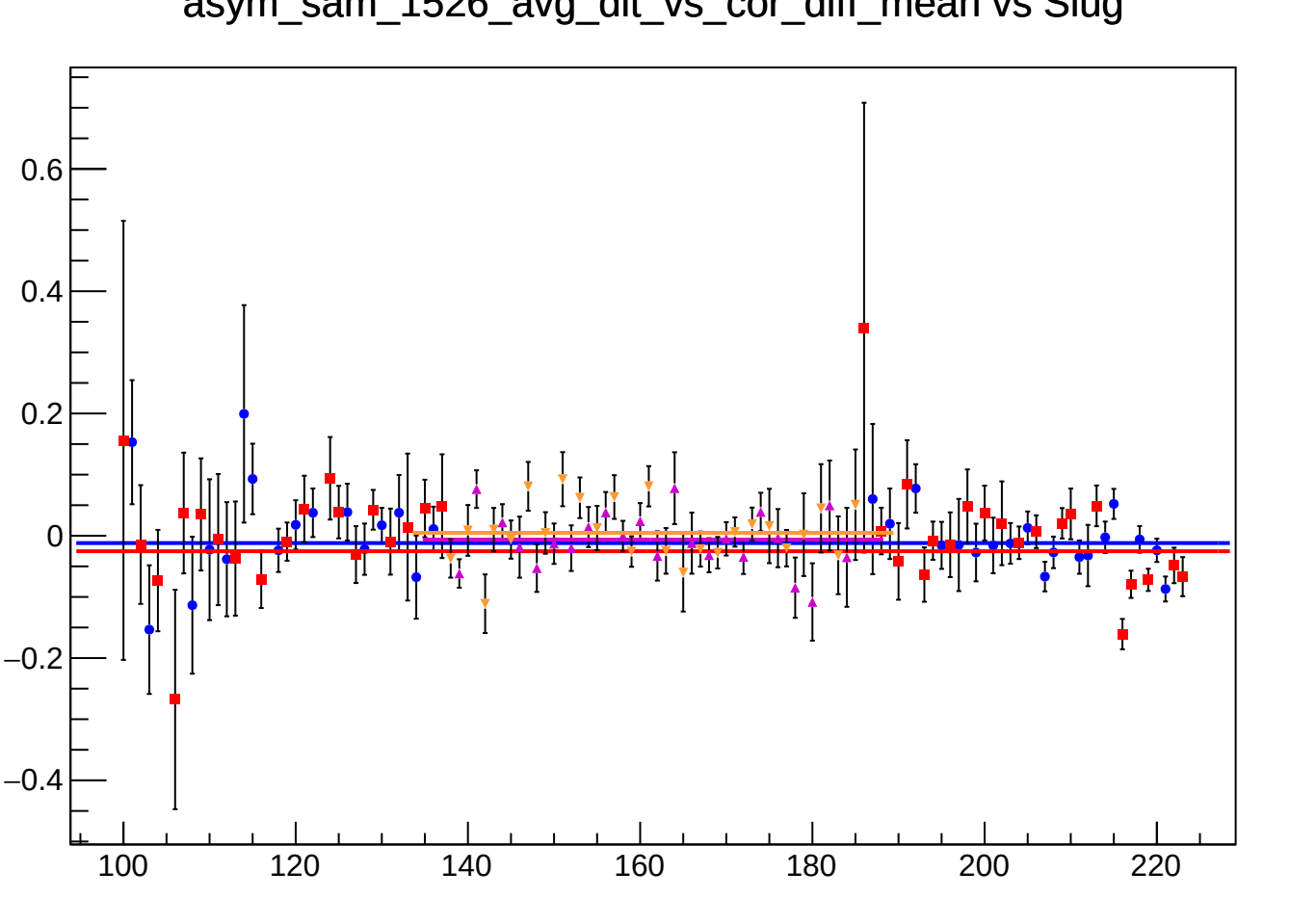
Right Out: 0.000+/-0.000 χ^2/NDF: 10413756.9/38

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15290319.0/58

All: 0.000+/-0.000 χ^2/NDF: 31868536.5/120

- sign 0.000+/-0.000 χ^2/NDF: 16493480.9/61



Right In: -0.012+/-0.006 χ^2/NDF: 50.3/33

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.025+/-0.006 χ^2/NDF: 84.9/38

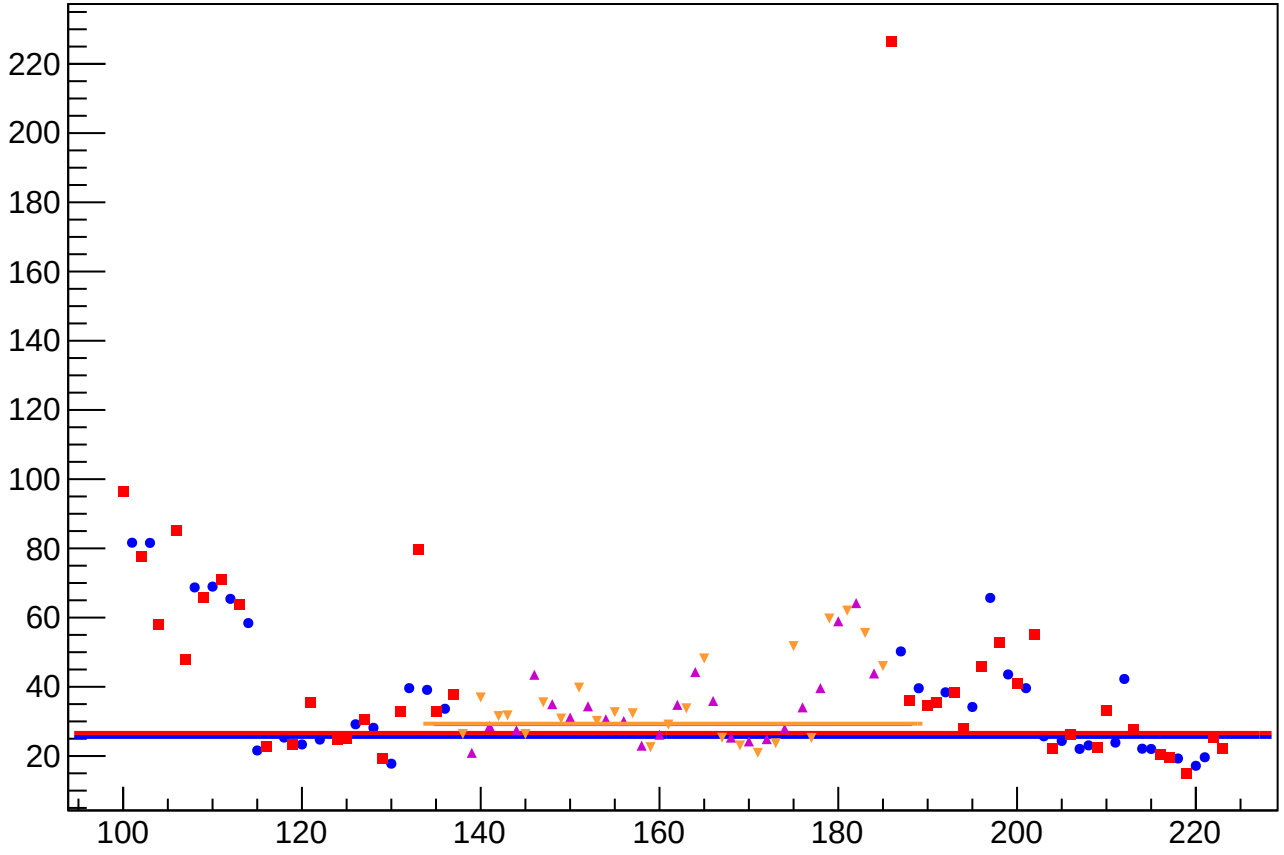
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.005+/-0.005 χ^2/NDF: 87.5/58

All: -0.011+/-0.003 χ^2/NDF: 210.6/120

- sign -0.017+/-0.005 χ^2/NDF: 119.8/61

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 25.530+/-0.004 χ^2/NDF: 5310452.7/33

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

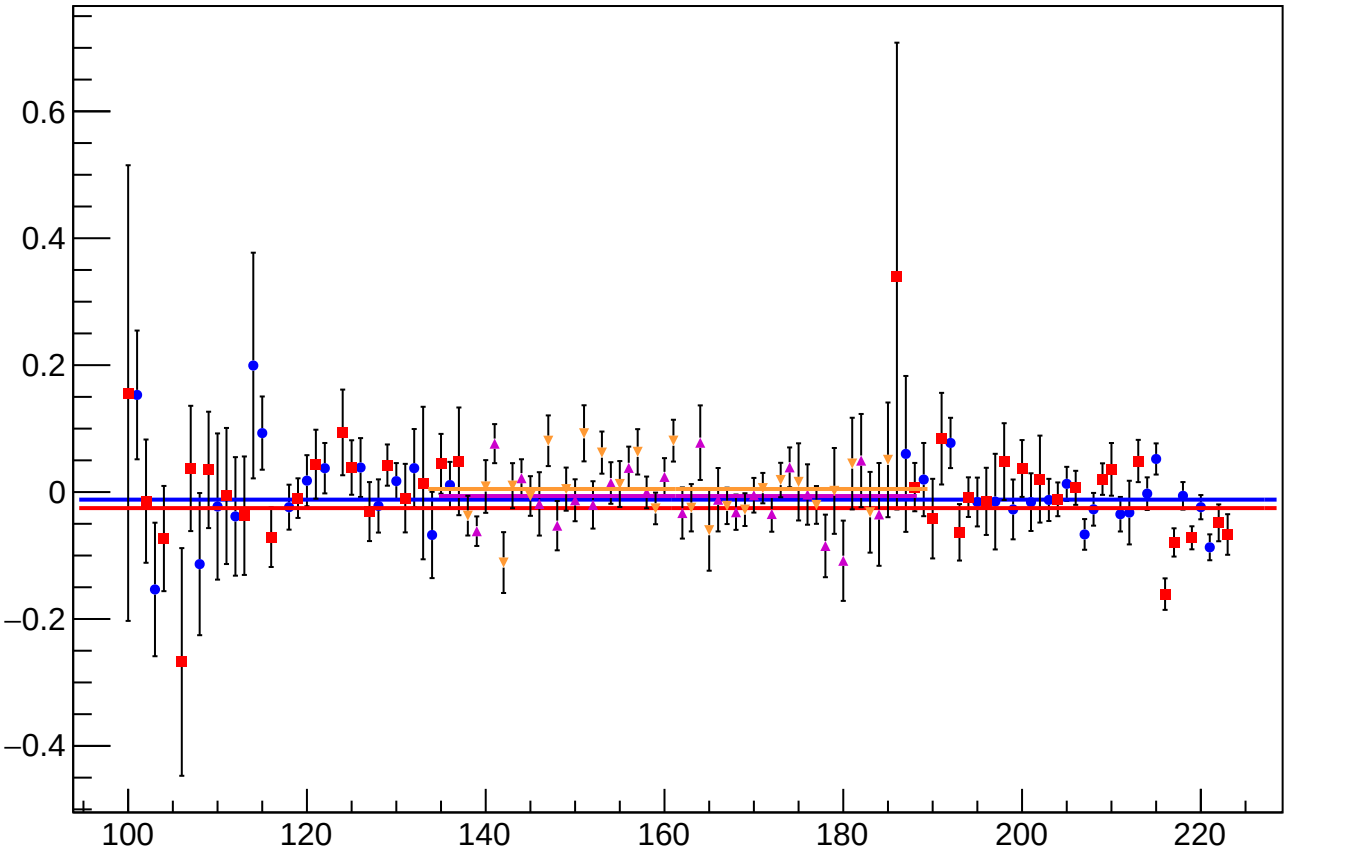
Right Out: 26.679+/-0.005 χ^2/NDF: 6396718.0/38

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 27.147+/-0.003 χ^2/NDF: 8327948.6/58

All: 27.458+/-0.002 χ^2/NDF: 16979675.9/120

- sign 27.791+/-0.003 χ^2/NDF: 8633069.8/61



Right In: -0.012+/-0.006 χ^2/NDF: 50.3/33

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

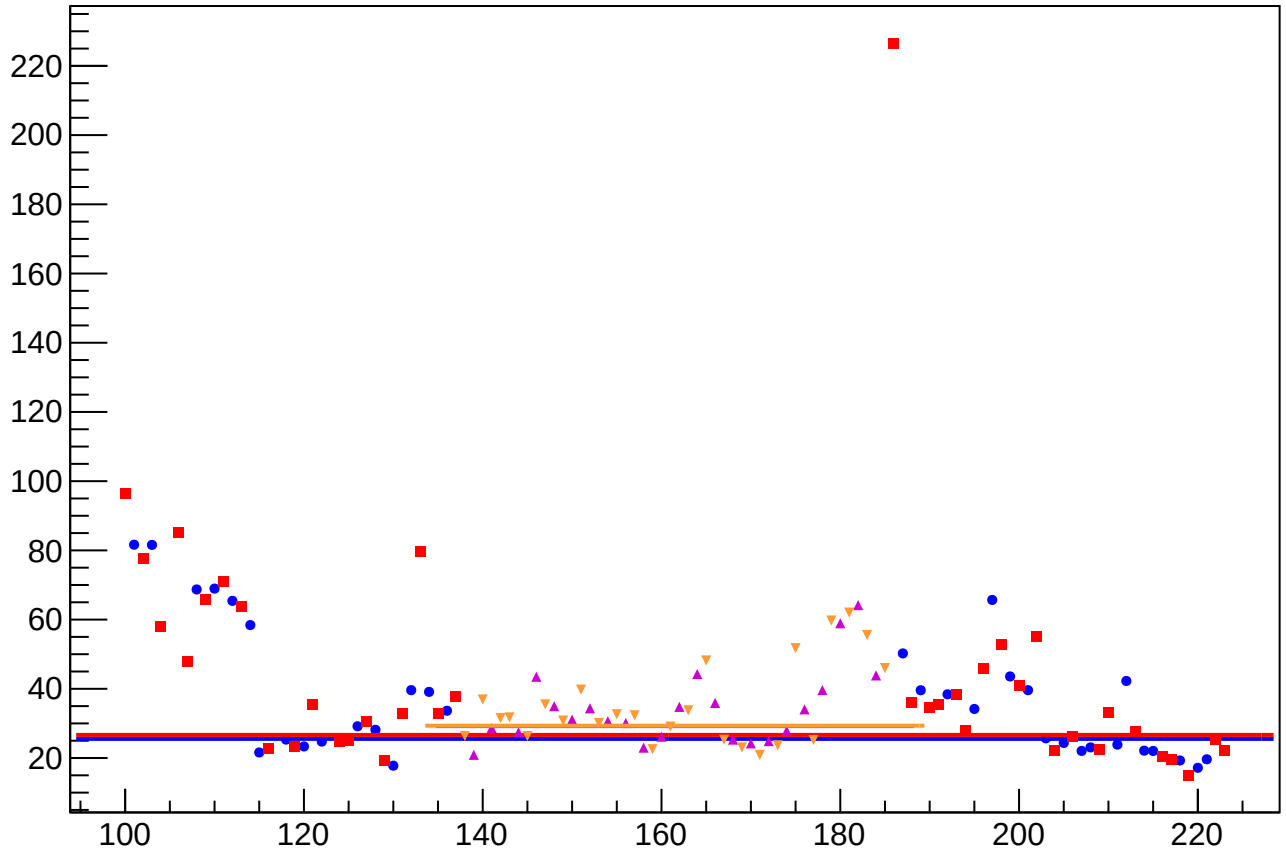
Right Out: -0.025+/-0.006 χ^2/NDF: 84.9/38

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.005+/-0.005 χ^2/NDF: 87.5/58

All: -0.011+/-0.003 χ^2/NDF: 210.6/120

- sign -0.017+/-0.005 χ^2/NDF: 119.8/61



Right In: 25.530+/-0.004 χ^2/NDF: 5310452.7/33

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 26.679+/-0.005 χ^2/NDF: 6396718.0/38

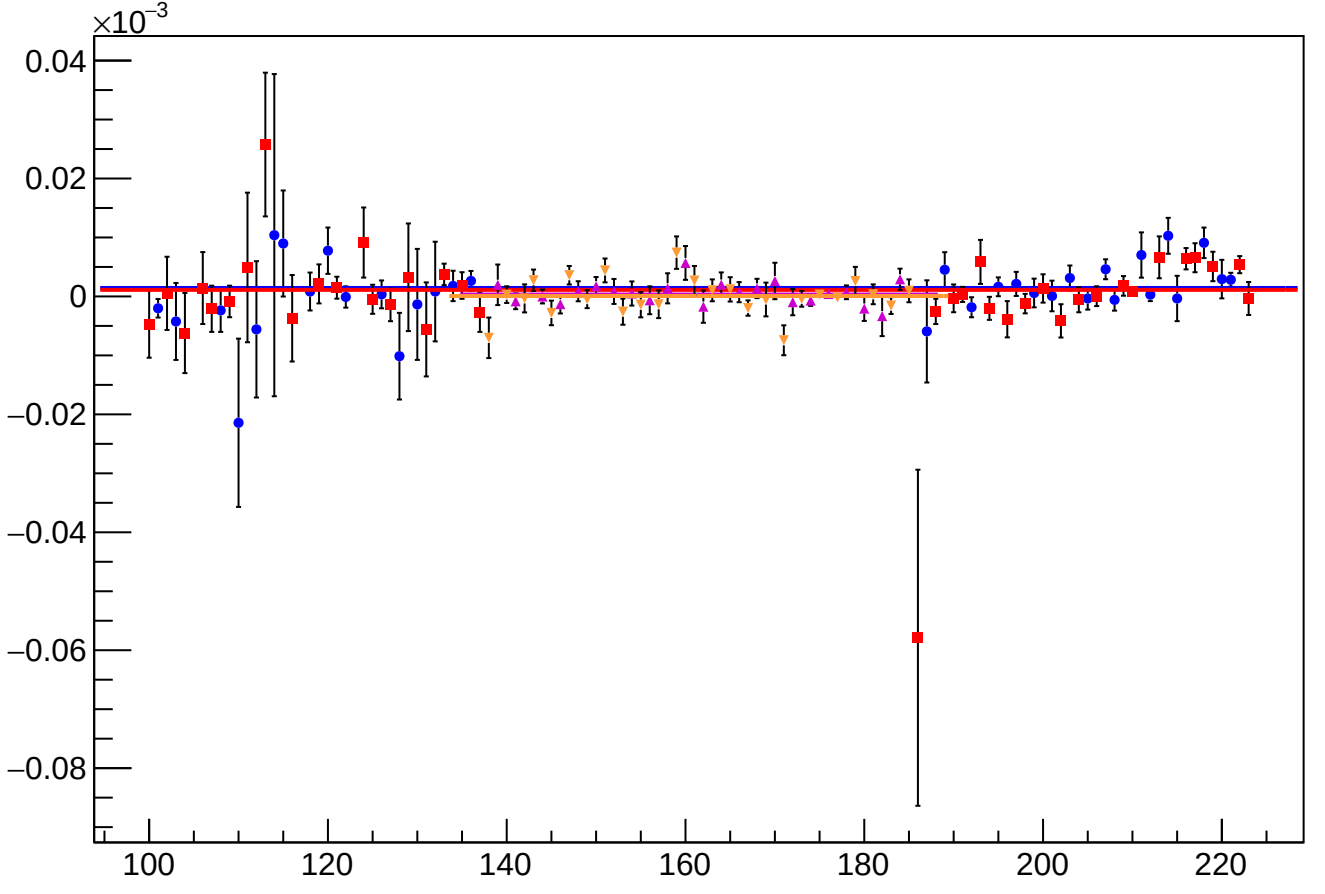
Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 27.147+/-0.003 χ^2/NDF: 8327948.6/58

All: 27.458+/-0.002 χ^2/NDF: 16979675.9/120

- sign 27.791+/-0.003 χ^2/NDF: 8633069.8/61

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

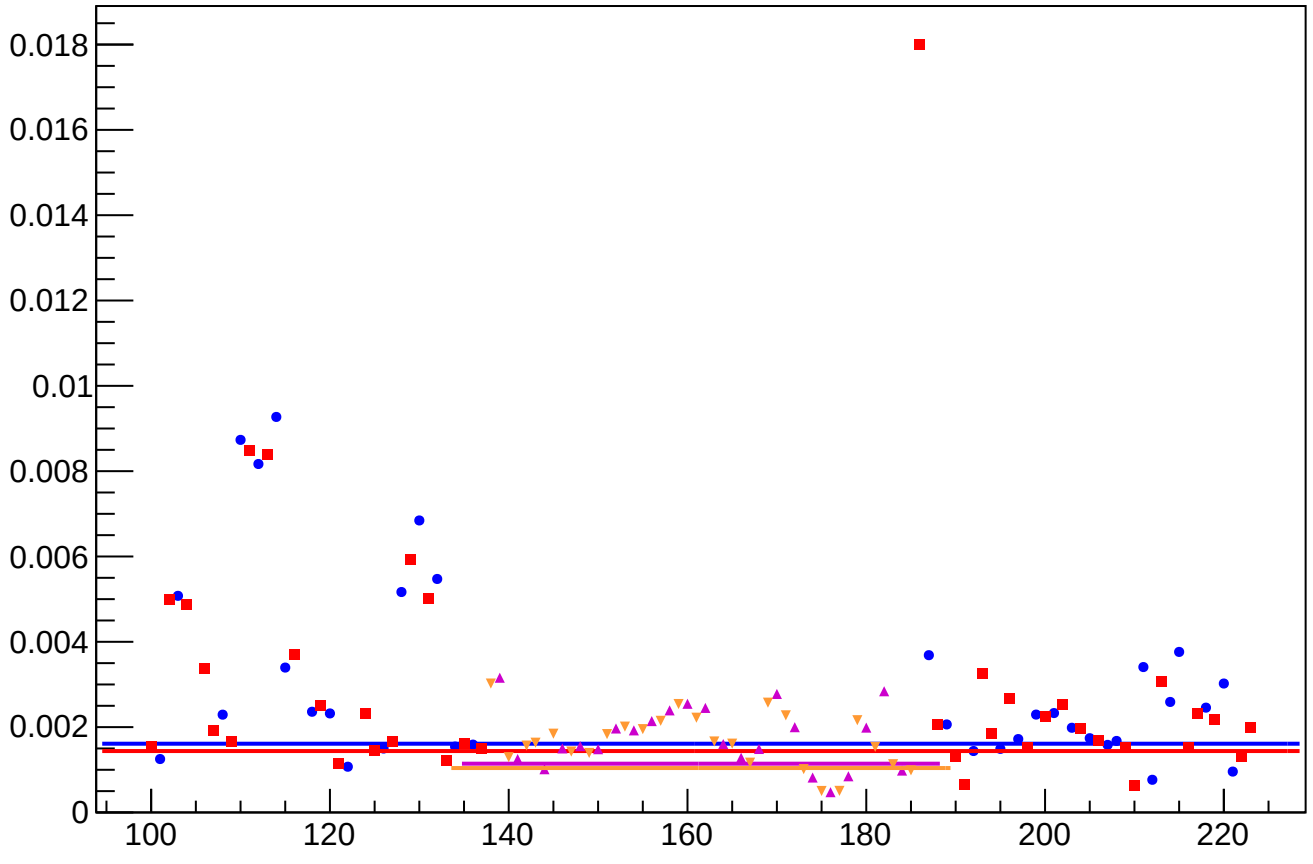
Right Out: 0.000+/-0.000 χ^2/NDF: 64.4/38

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 103.2/58

All: 0.000+/-0.000 χ^2/NDF: 186.0/120

- sign 0.000+/-0.000 χ^2/NDF: 82.7/61



Right In: 0.002+/-0.000 χ^2/NDF: 8230775.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

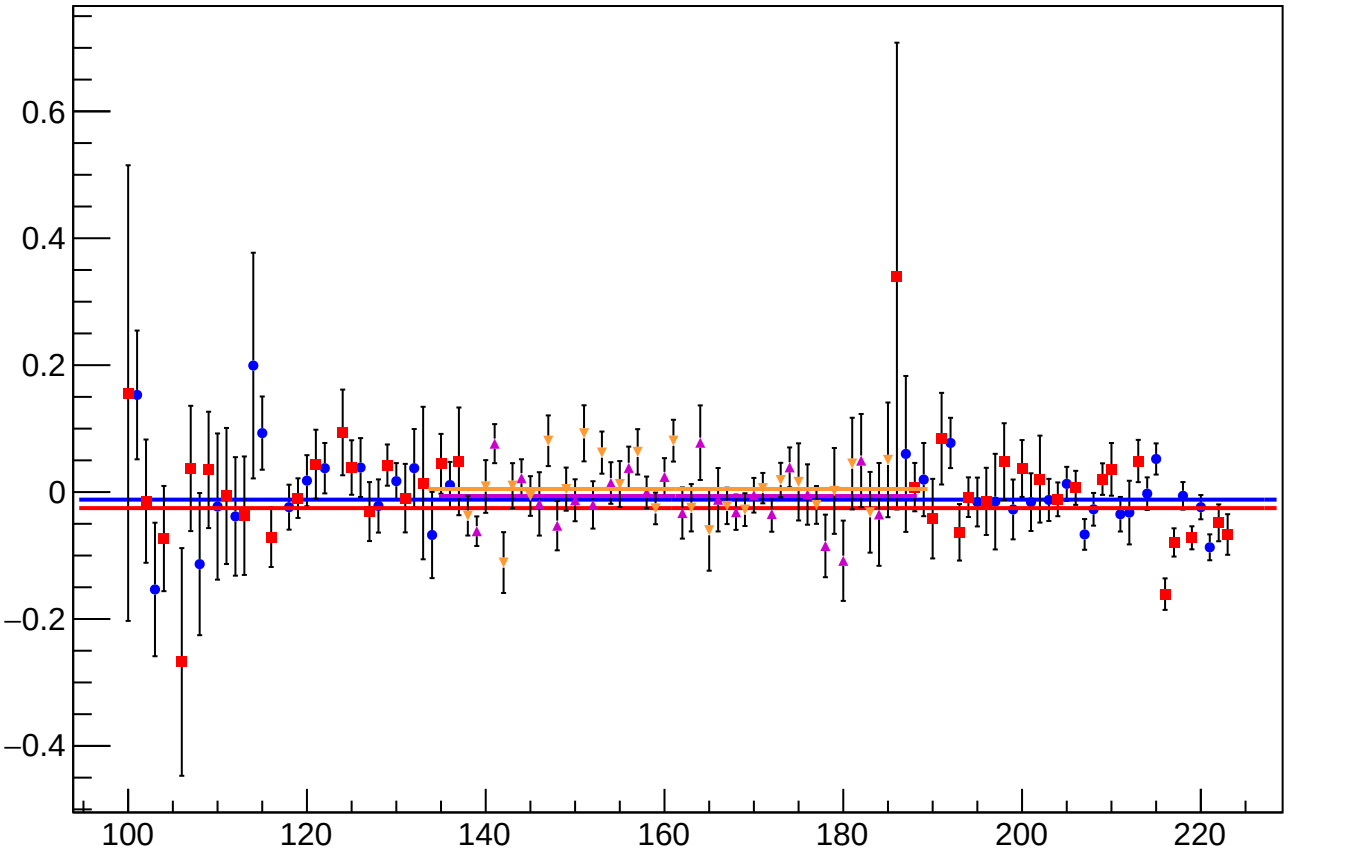
Right Out: 0.001+/-0.000 χ^2/NDF: 10793122.3/38

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 20818377.9/58

All: 0.001+/-0.000 χ^2/NDF: 40728277.3/120

- sign 0.001+/-0.000 χ^2/NDF: 19875879.1/61



Right In: -0.012+/-0.006 χ^2/NDF: 50.3/33

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.025+/-0.006 χ^2/NDF: 84.9/38

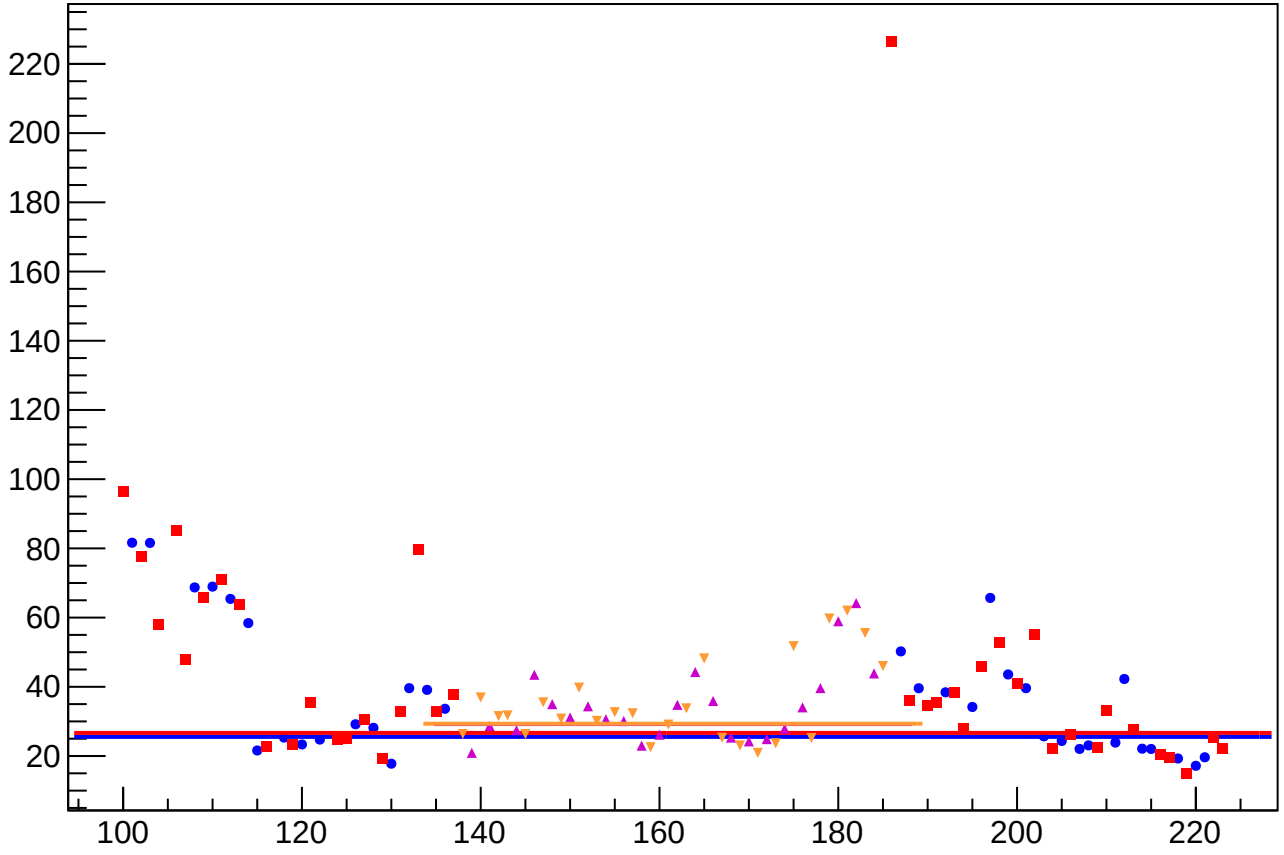
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.005+/-0.005 χ^2/NDF: 87.5/58

All: -0.011+/-0.003 χ^2/NDF: 210.6/120

- sign -0.017+/-0.005 χ^2/NDF: 119.8/61

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.529+/-0.004 χ^2/NDF: 5310847.9/33

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

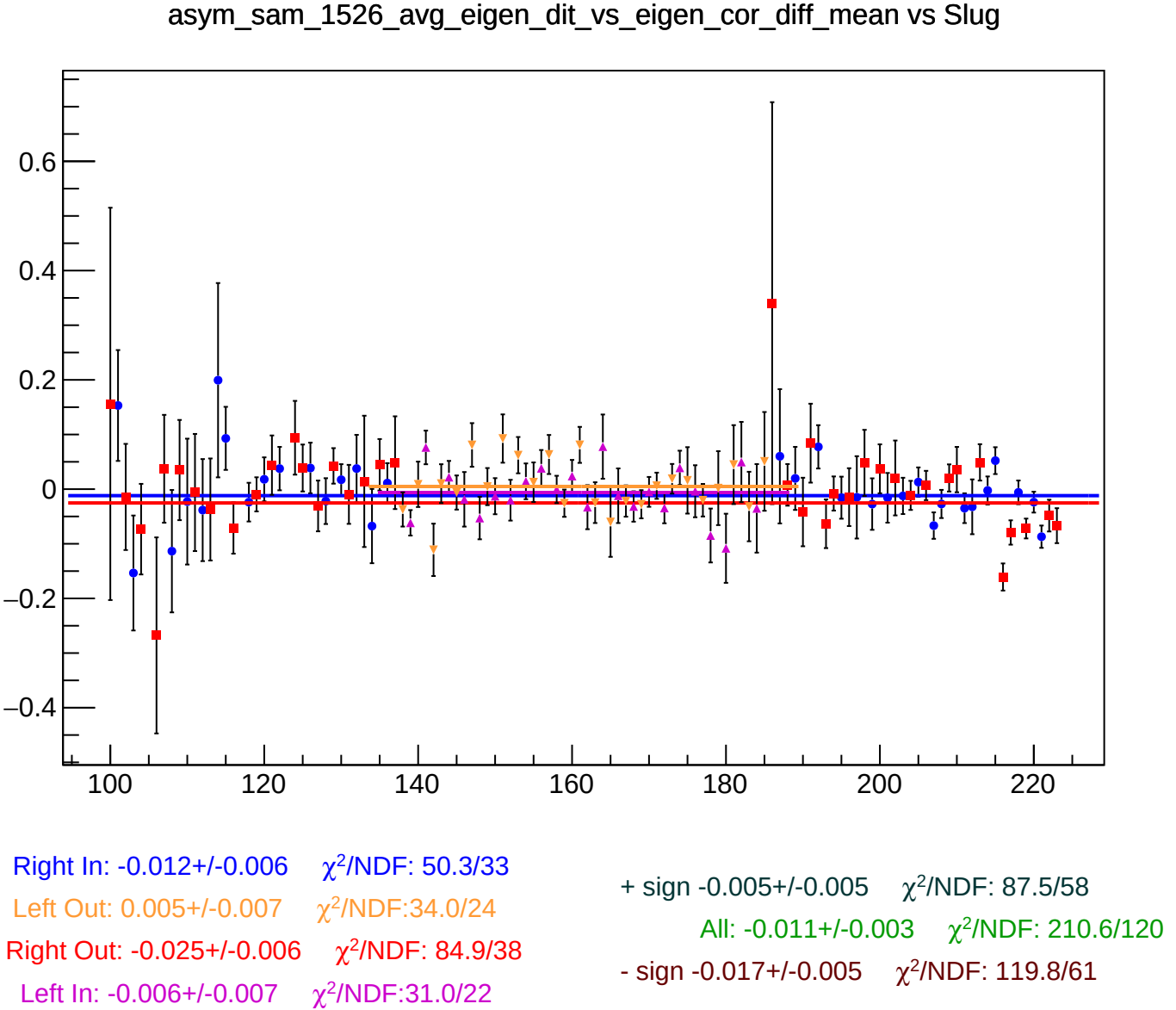
Right Out: 26.678+/-0.005 χ^2/NDF: 6396976.1/38

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

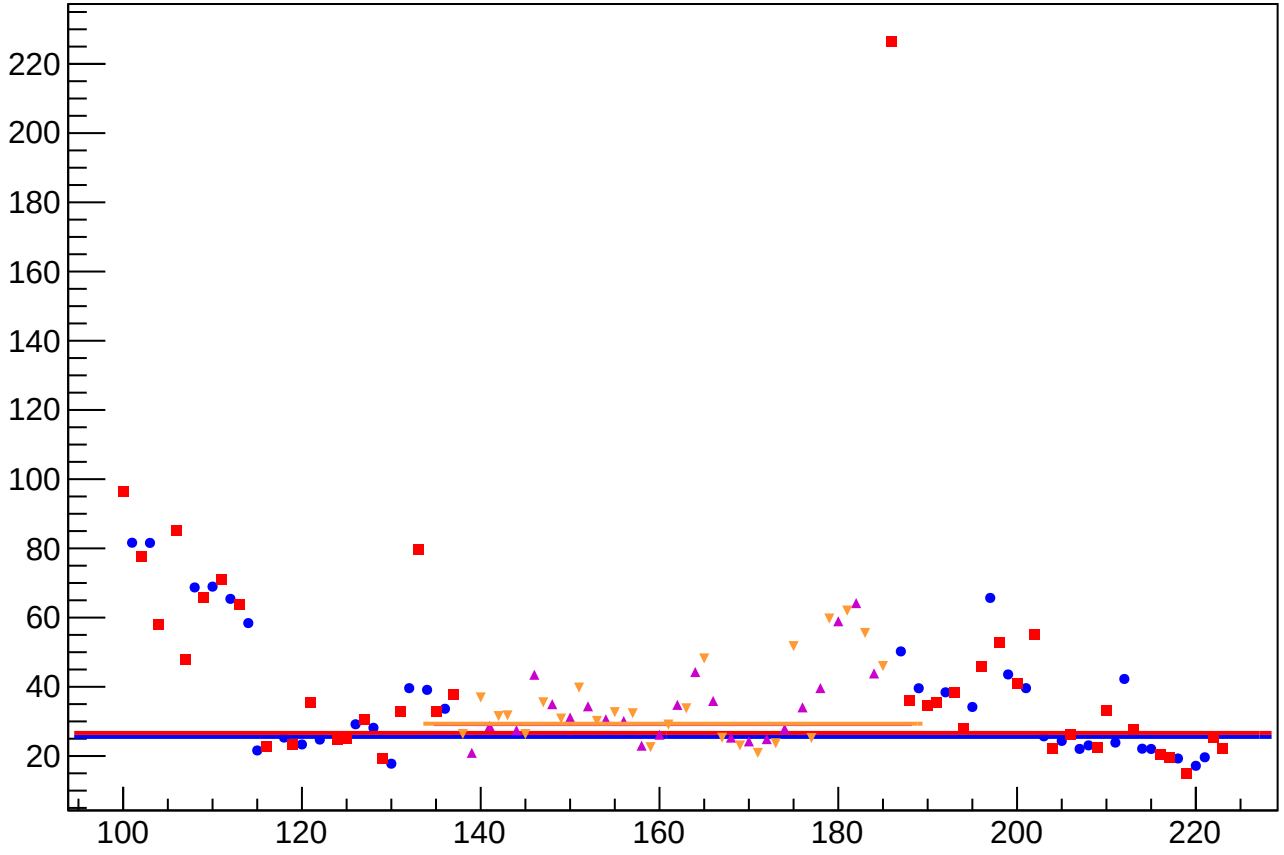
+ sign 27.147+/-0.003 χ^2/NDF: 8328546.3/58

All: 27.457+/-0.002 χ^2/NDF: 16980616.8/120

- sign 27.791+/-0.003 χ^2/NDF: 8633402.1/61


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
220
Right In: -0.012+/-0.006 χ²/NDF: 50.3/33
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.025+/-0.006 χ²/NDF: 84.9/38
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign -0.005+/-0.005 χ²/NDF: 87.5/58
All: -0.011+/-0.003 χ²/NDF: 210.6/120
- sign -0.017+/-0.005 χ²/NDF: 119.8/61

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.529+/-0.004 χ^2/NDF: 5310847.9/33

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

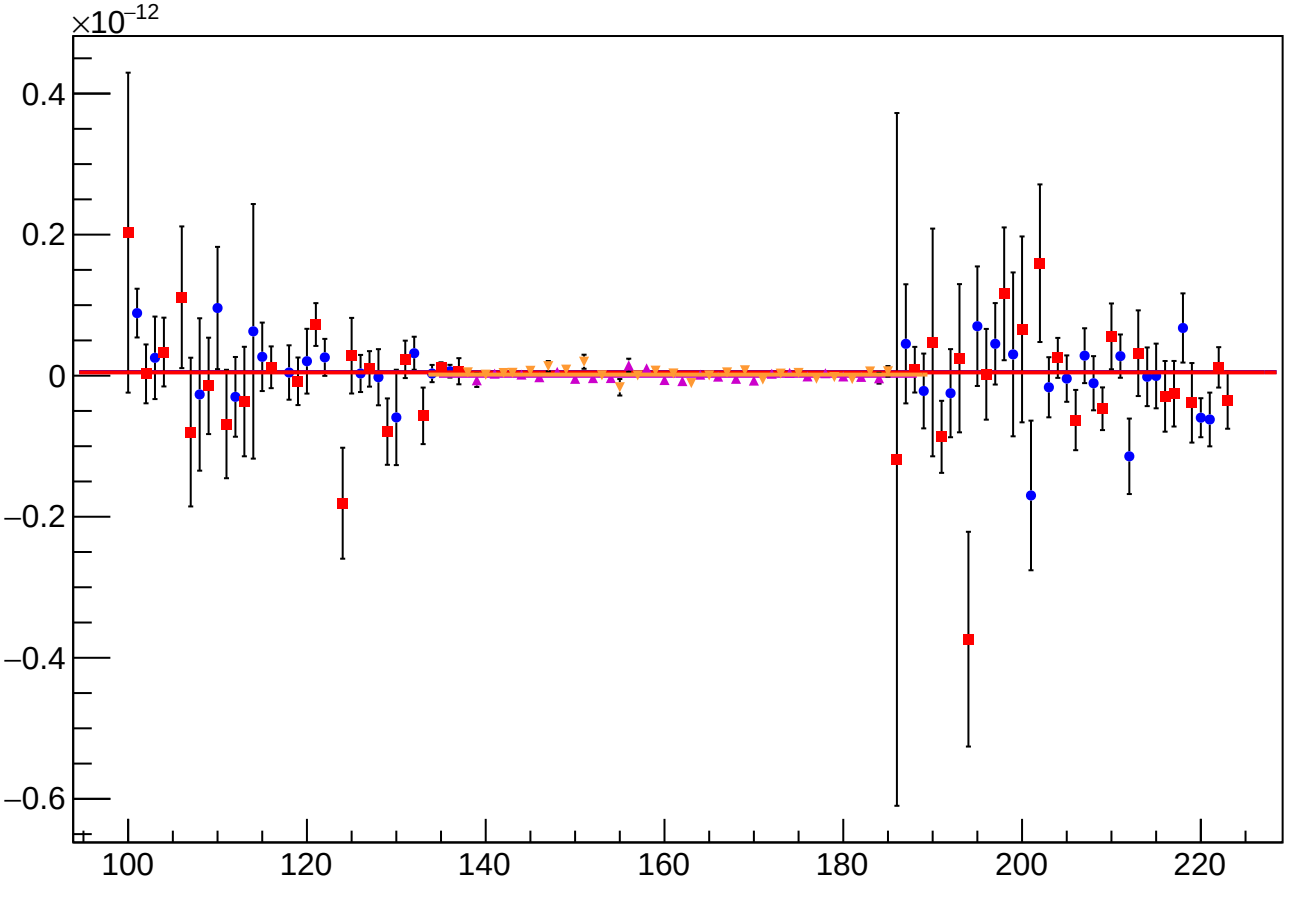
Right Out: 26.678+/-0.005 χ^2/NDF: 6396976.1/38

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 27.147+/-0.003 χ^2/NDF: 8328546.3/58

All: 27.457+/-0.002 χ^2/NDF: 16980616.8/120

- sign 27.791+/-0.003 χ^2/NDF: 8633402.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

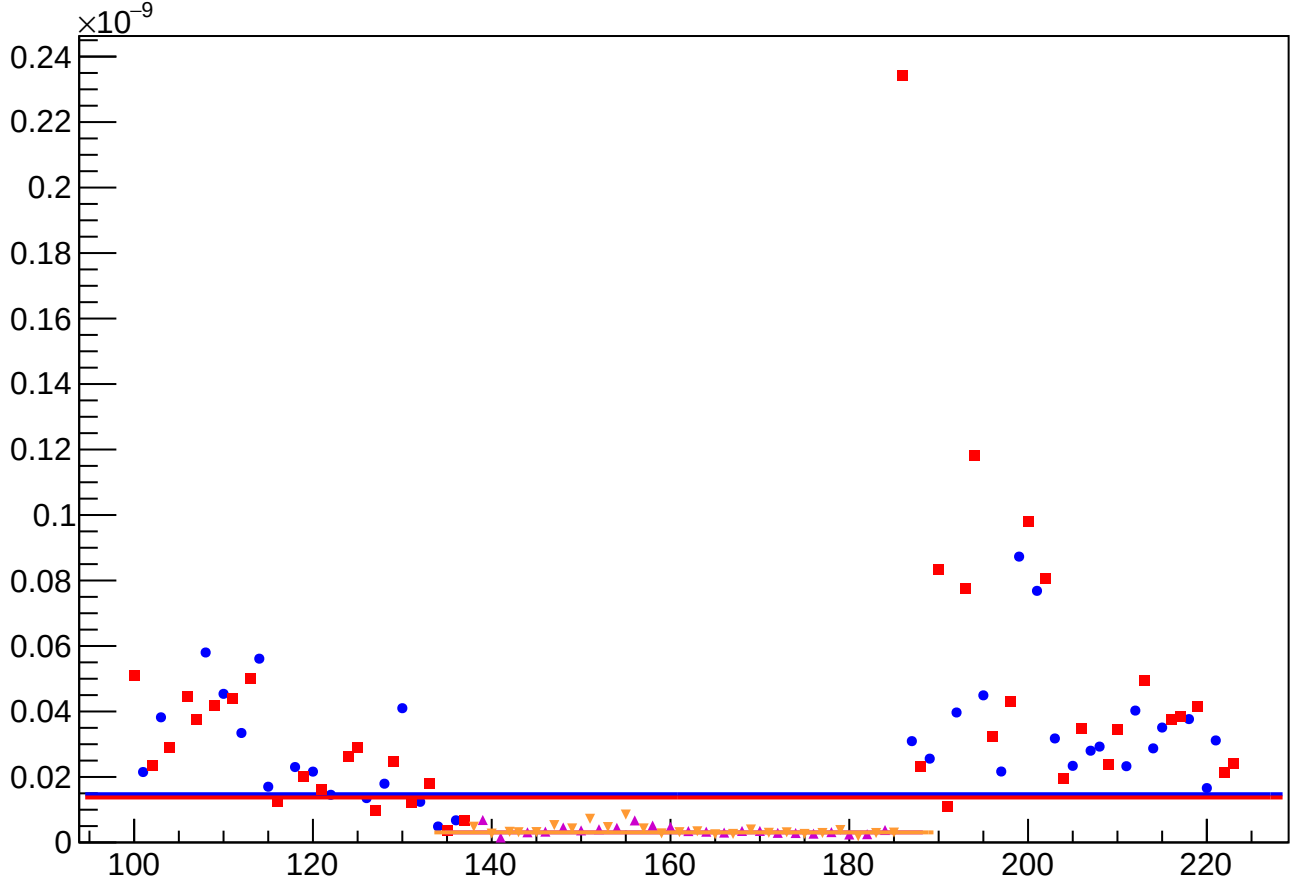
Right Out: 0.000+/-0.000 χ^2/NDF: 44.7/38

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/58

All: 0.000+/-0.000 χ^2/NDF: 133.4/120

- sign -0.000+/-0.000 χ^2/NDF: 64.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 9889133.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13952874.9/38

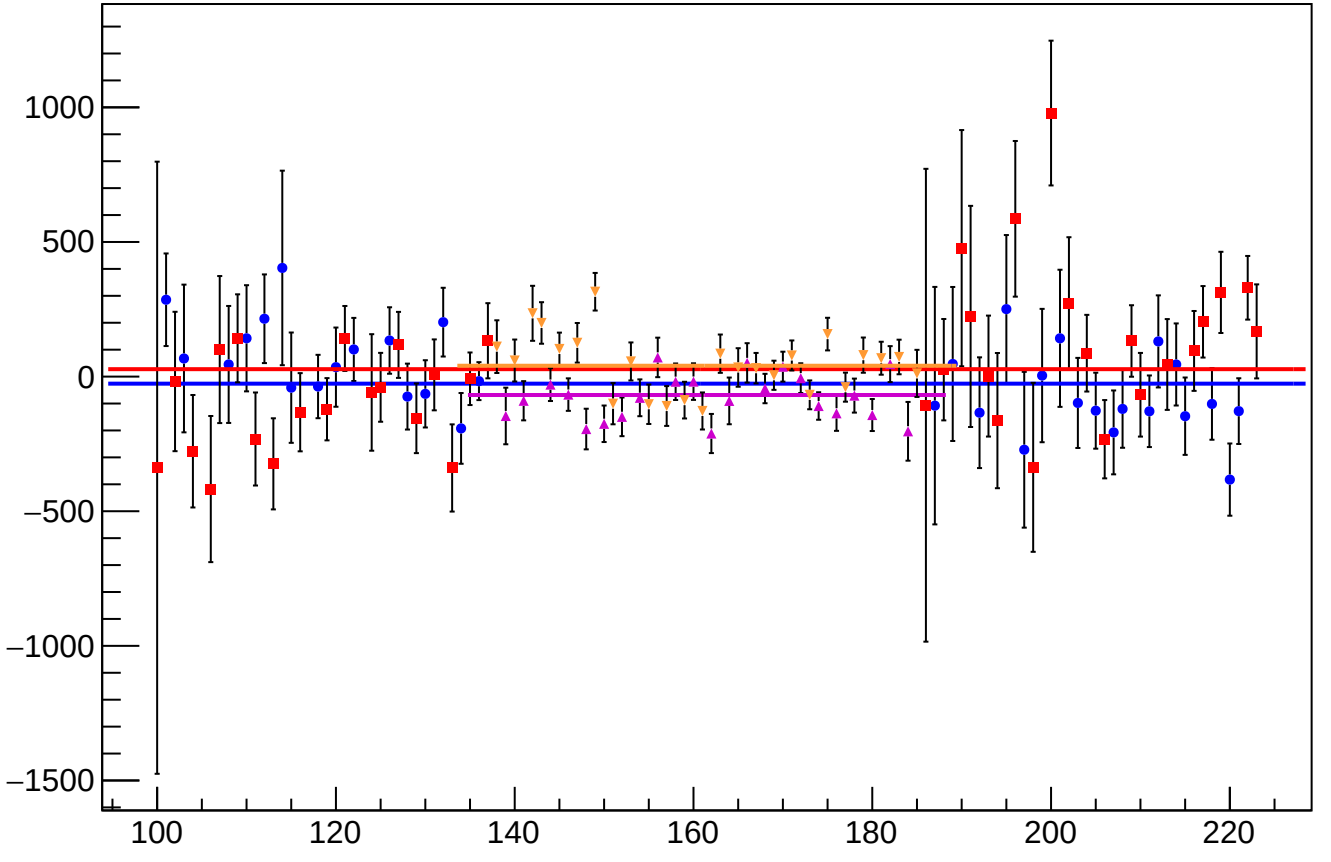
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 21615379.8/58

All: 0.000+/-0.000 χ^2/NDF: 45878581.2/120

- sign 0.000+/-0.000 χ^2/NDF: 24263161.8/61

reg_asym_sam_3726_avg_mean vs Slug



Right In: -26.210+/-25.770 χ^2/NDF: 31.4/33

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 27.617+/-26.419 χ^2/NDF: 62.3/38

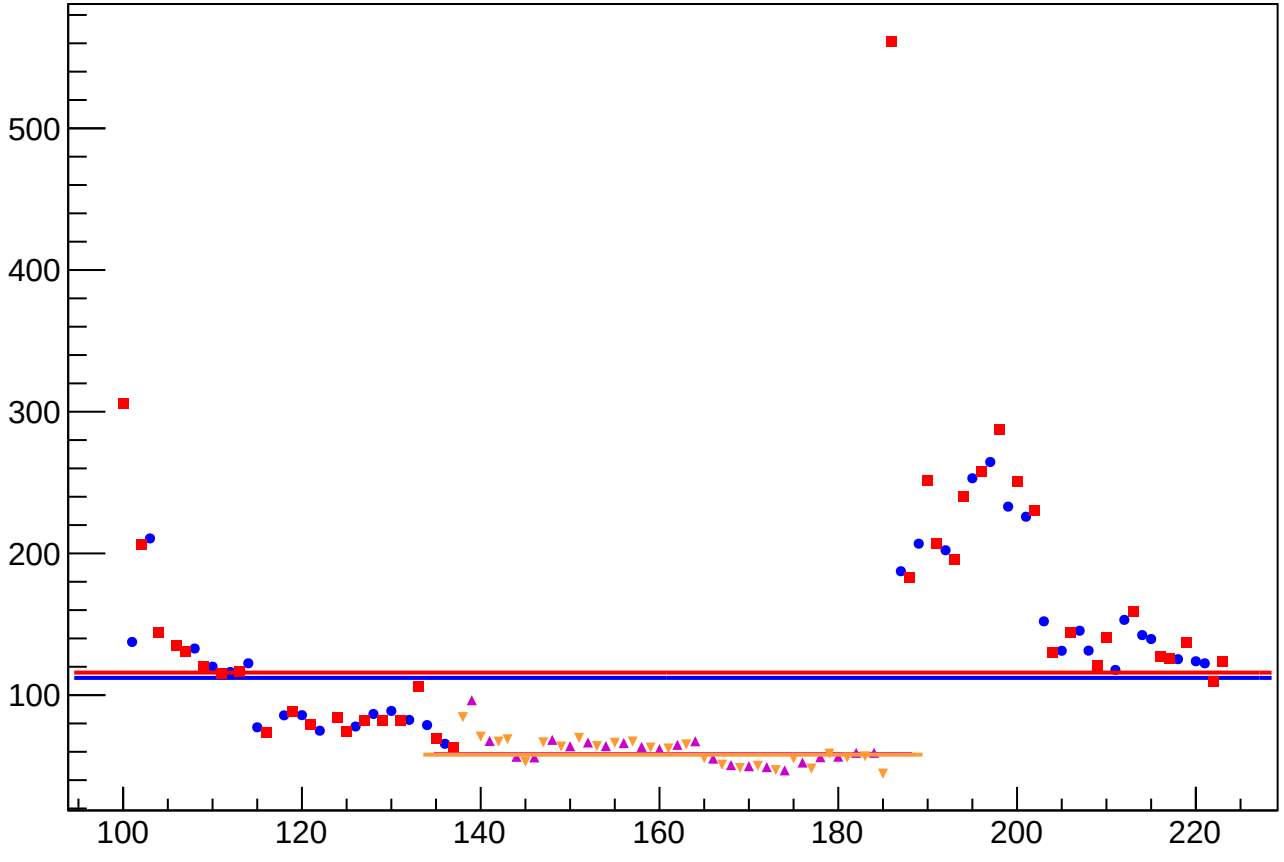
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 26.175+/-11.890 χ^2/NDF: 96.0/58

All: -9.539+/-8.541 χ^2/NDF: 219.1/120

- sign -47.619+/-12.278 χ^2/NDF: 104.4/61

reg_asym_sam_3726_avg_rms vs Slug



Right In: 112.155+/-0.018 χ^2/NDF: 5383736.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

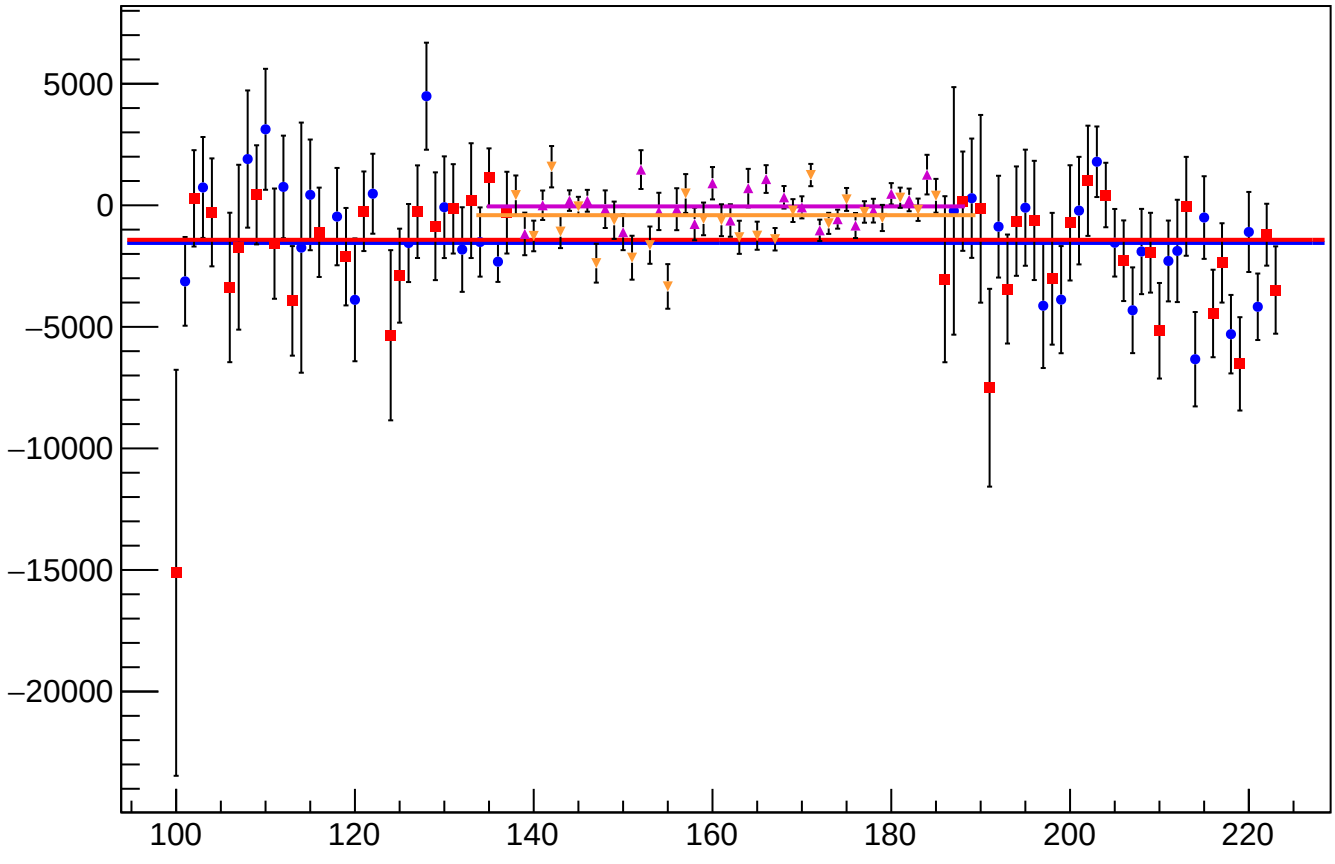
Right Out: 115.904+/-0.019 χ^2/NDF: 6409516.2/38

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.525+/-0.008 χ^2/NDF: 13144367.7/58

All: 70.150+/-0.006 χ^2/NDF: 27730012.8/120

- sign 70.817+/-0.009 χ^2/NDF: 14574218.2/61



Right In: -1548.085+/-309.488 χ^2/NDF: 47.7/33

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -1418.620+/-319.789 χ^2/NDF: 38.8/38

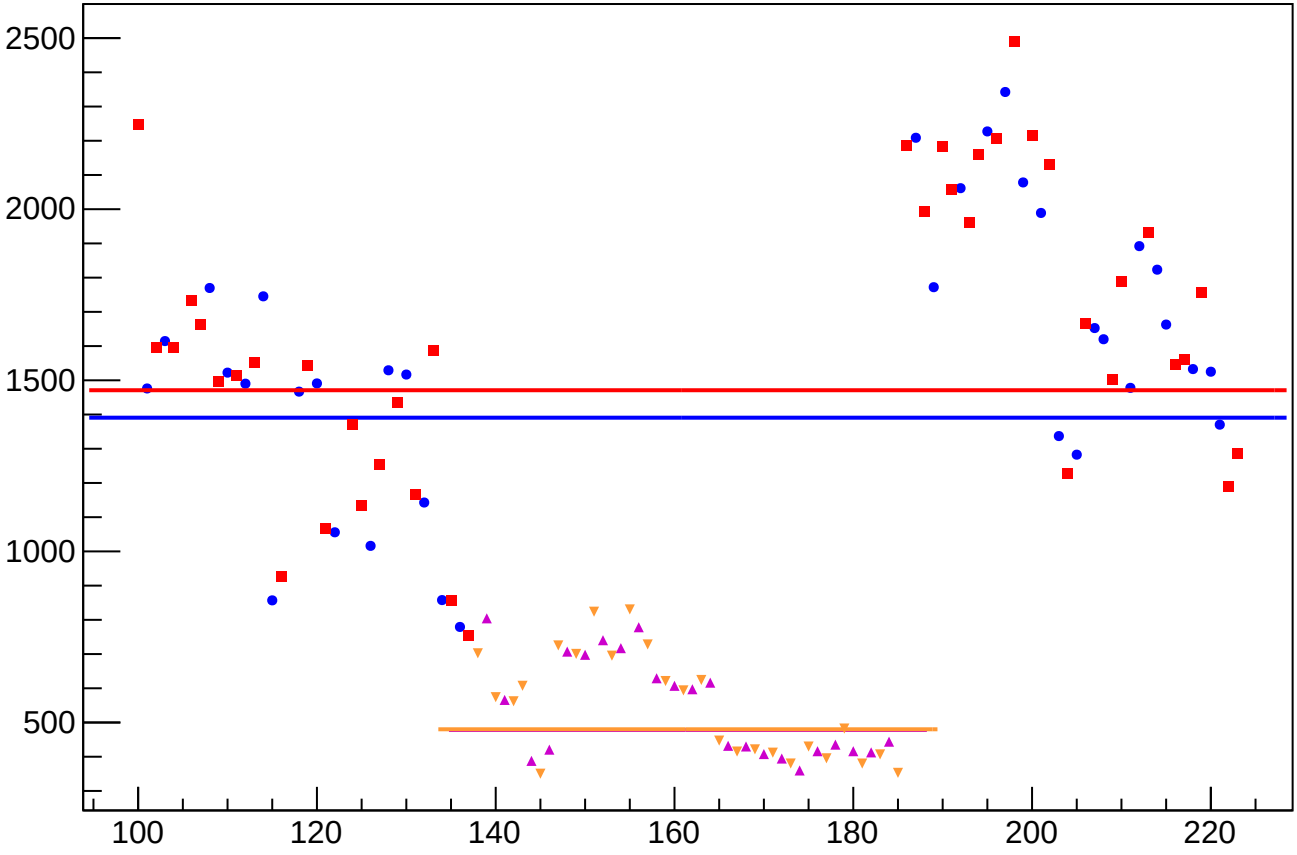
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -541.609+/-106.533 χ^2/NDF: 122.9/58

All: -376.440+/-76.137 χ^2/NDF: 214.0/120

- sign -204.003+/-108.852 χ^2/NDF: 86.2/61

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1390.760+/-0.219 χ^2/NDF: 3368951.9/33

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1470.979+/-0.226 χ^2/NDF: 3255589.6/38

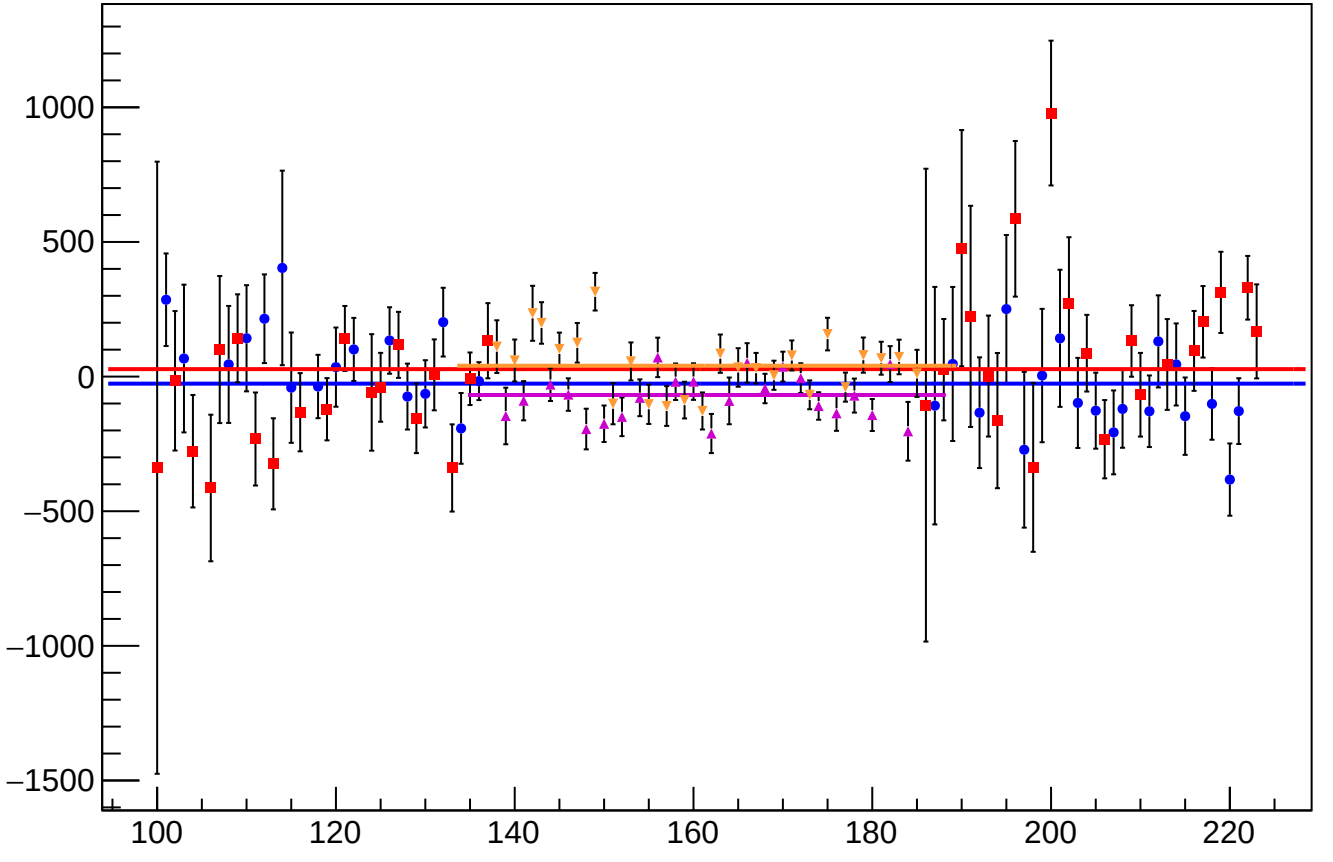
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 588.059+/-0.075 χ^2/NDF: 21213516.6/58

All: 590.537+/-0.054 χ^2/NDF: 43733087.5/12

- sign 593.124+/-0.077 χ^2/NDF: 22517359.1/61

cor_asym_sam_3726_avg_mean vs Slug



Right In: -26.218+/-25.770 χ^2/NDF: 31.4/33

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 27.707+/-26.420 χ^2/NDF: 62.2/38

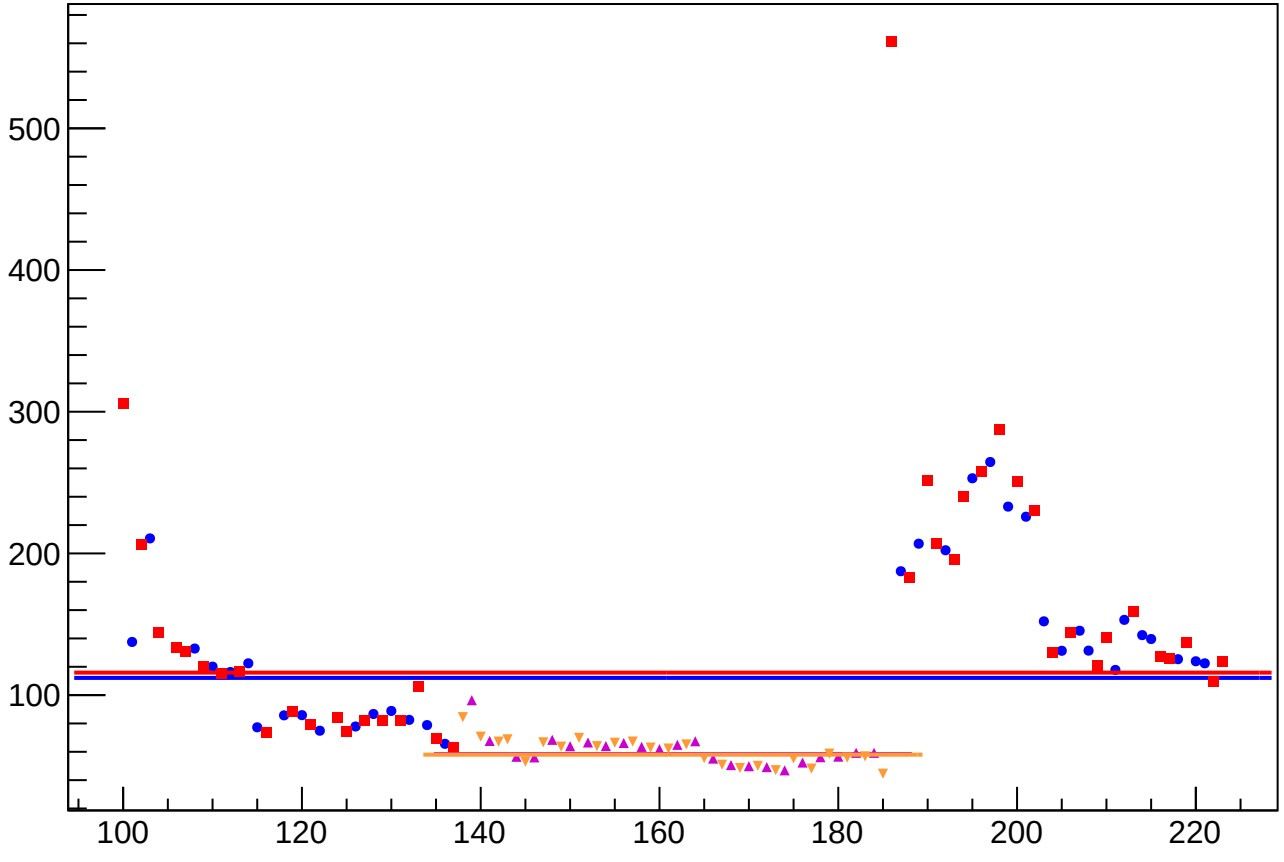
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 26.175+/-11.890 χ^2/NDF: 96.0/58

All: -9.529+/-8.541 χ^2/NDF: 219.0/120

- sign -47.600+/-12.278 χ^2/NDF: 104.3/61

cor_asym_sam_3726_avg_rms vs Slug



Right In: 112.155+/-0.018 χ^2/NDF: 5383739.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

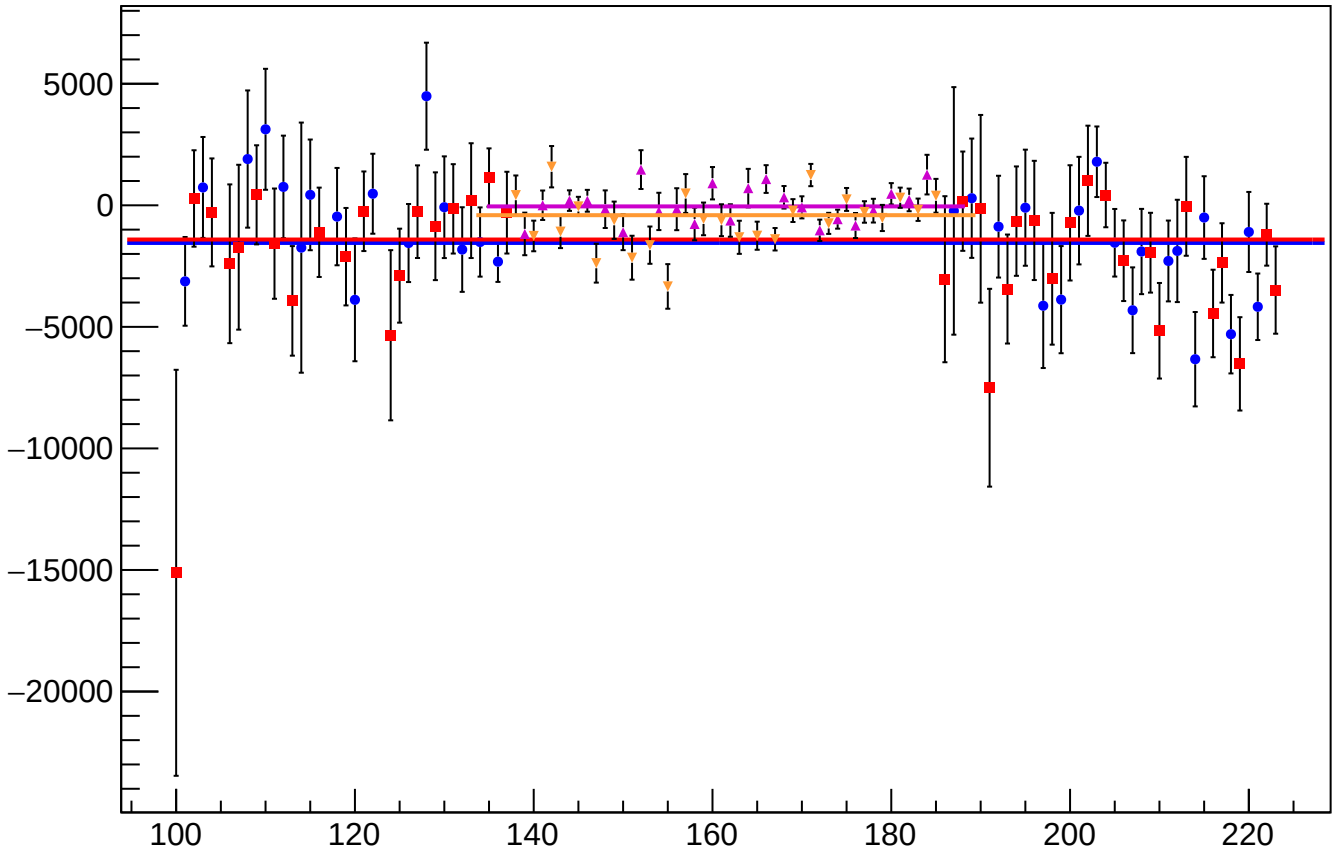
Right Out: 115.884+/-0.019 χ^2/NDF: 6407833.8/38

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.525+/-0.008 χ^2/NDF: 13144370.0/58

All: 70.148+/-0.006 χ^2/NDF: 27722800.3/120

- sign 70.812+/-0.009 χ^2/NDF: 14567090.0/61



Right In: -1548.073+/-309.489 χ^2/NDF: 47.7/33

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -1407.074+/-319.993 χ^2/NDF: 38.5/38

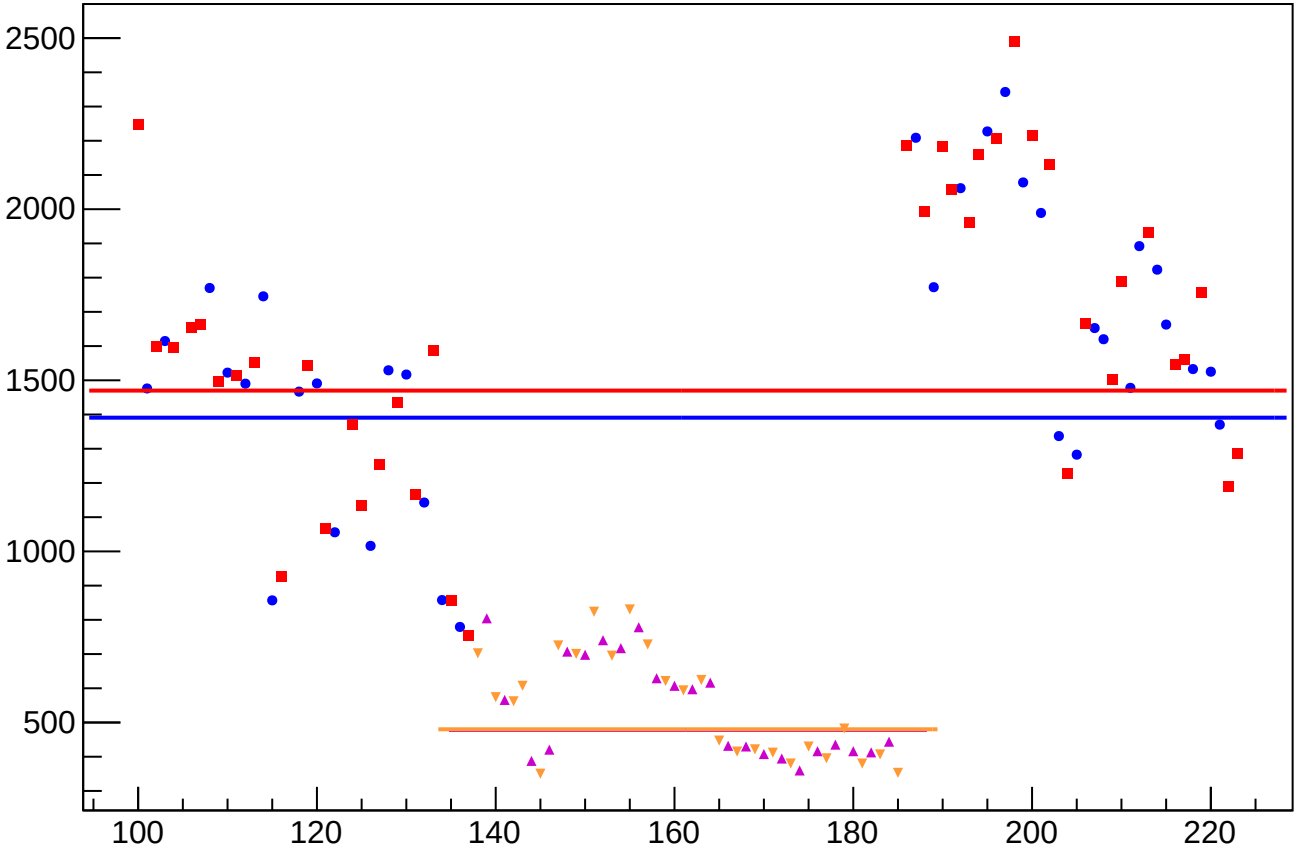
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -541.606+/-106.533 χ^2/NDF: 122.9/58

All: -375.710+/-76.140 χ^2/NDF: 213.5/120

- sign -202.487+/-108.860 χ^2/NDF: 85.6/61

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1390.761+/-0.219 χ^2/NDF: 3368977.5/33

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1469.931+/-0.226 χ^2/NDF: 3247503.3/38

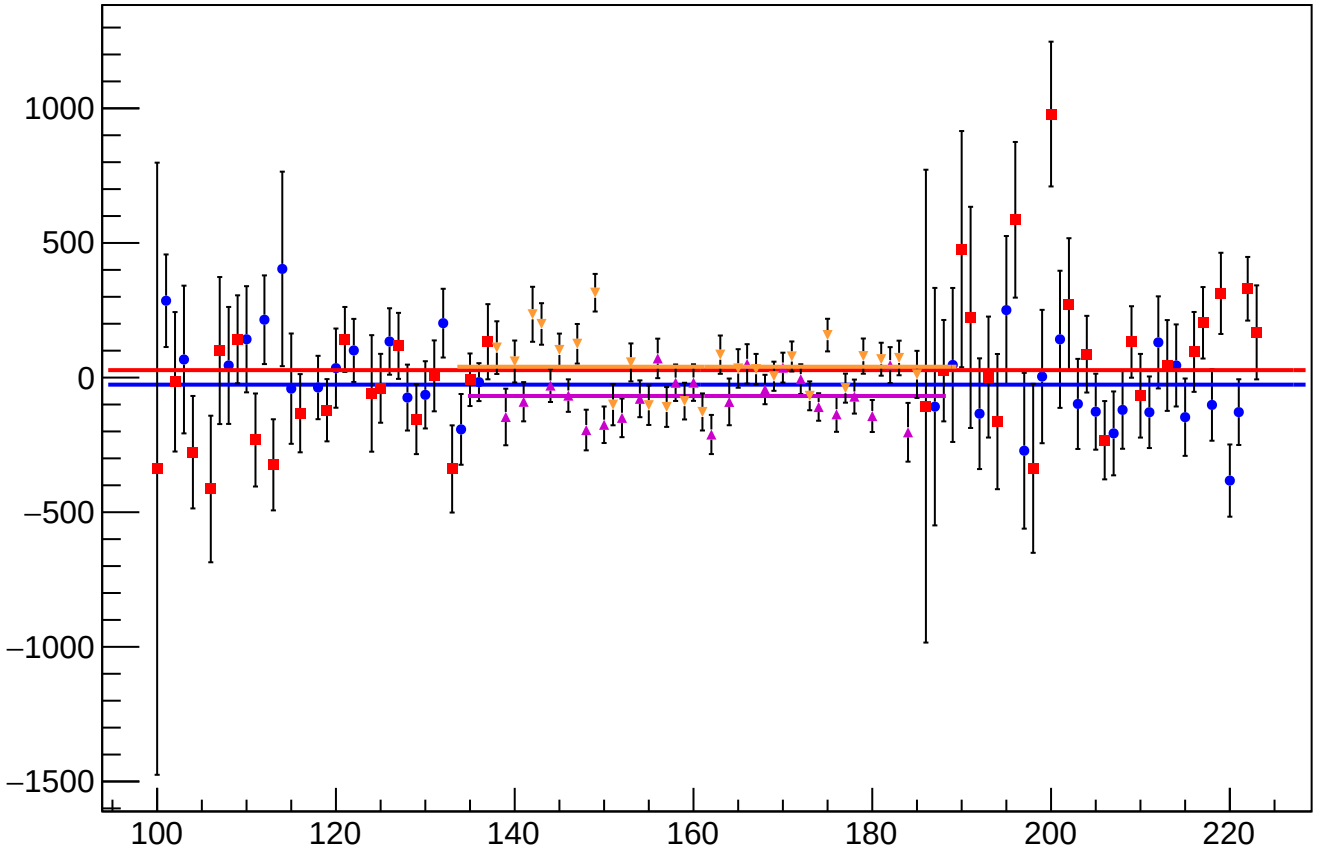
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 588.058+/-0.075 χ^2/NDF: 21213548.8/58

All: 590.414+/-0.054 χ^2/NDF: 43669752.5/12

- sign 592.874+/-0.077 χ^2/NDF: 22454205.0/61

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: -26.218+/-25.770 χ^2/NDF: 31.4/33

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 27.707+/-26.420 χ^2/NDF: 62.2/38

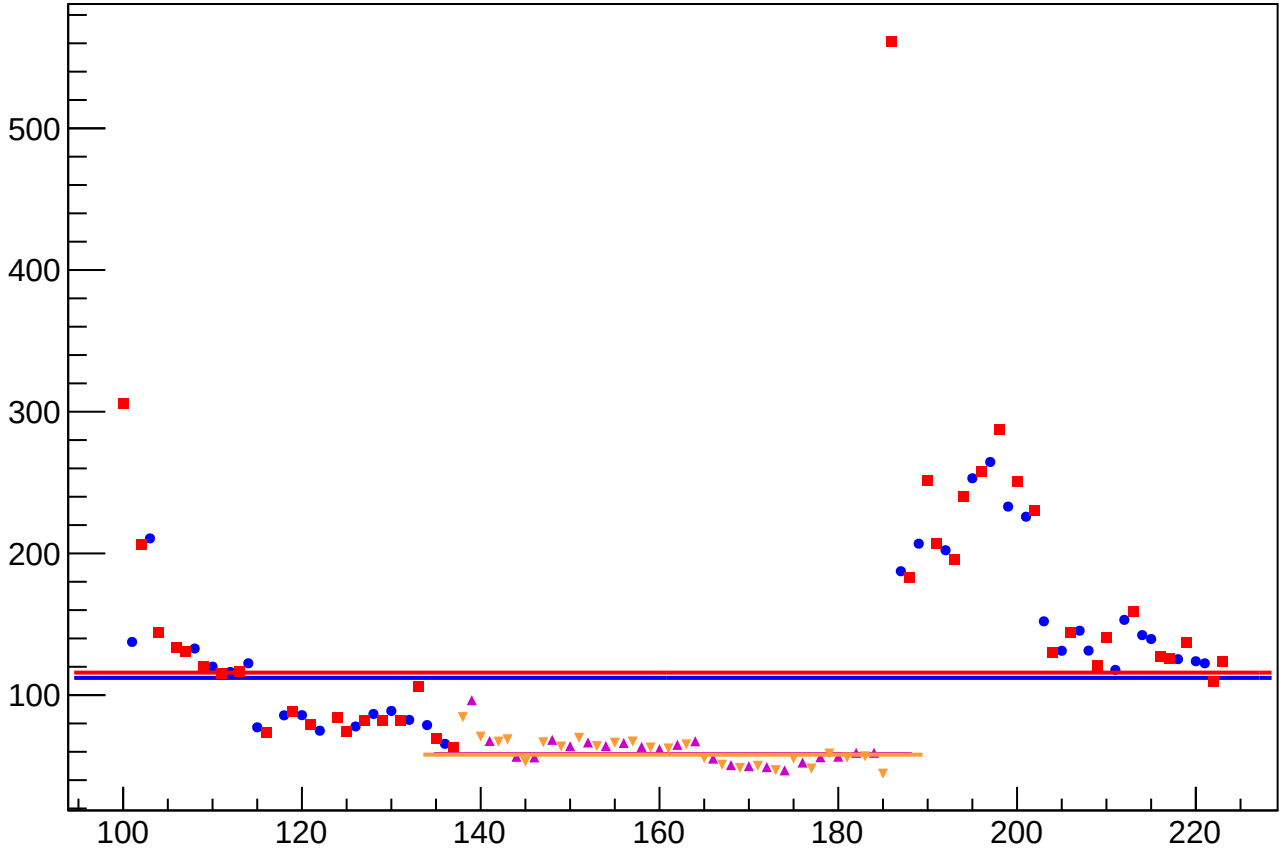
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 26.175+/-11.890 χ^2/NDF: 96.0/58

All: -9.529+/-8.541 χ^2/NDF: 219.0/120

- sign -47.600+/-12.278 χ^2/NDF: 104.3/61

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 112.155+/-0.018 χ^2/NDF: 5383739.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

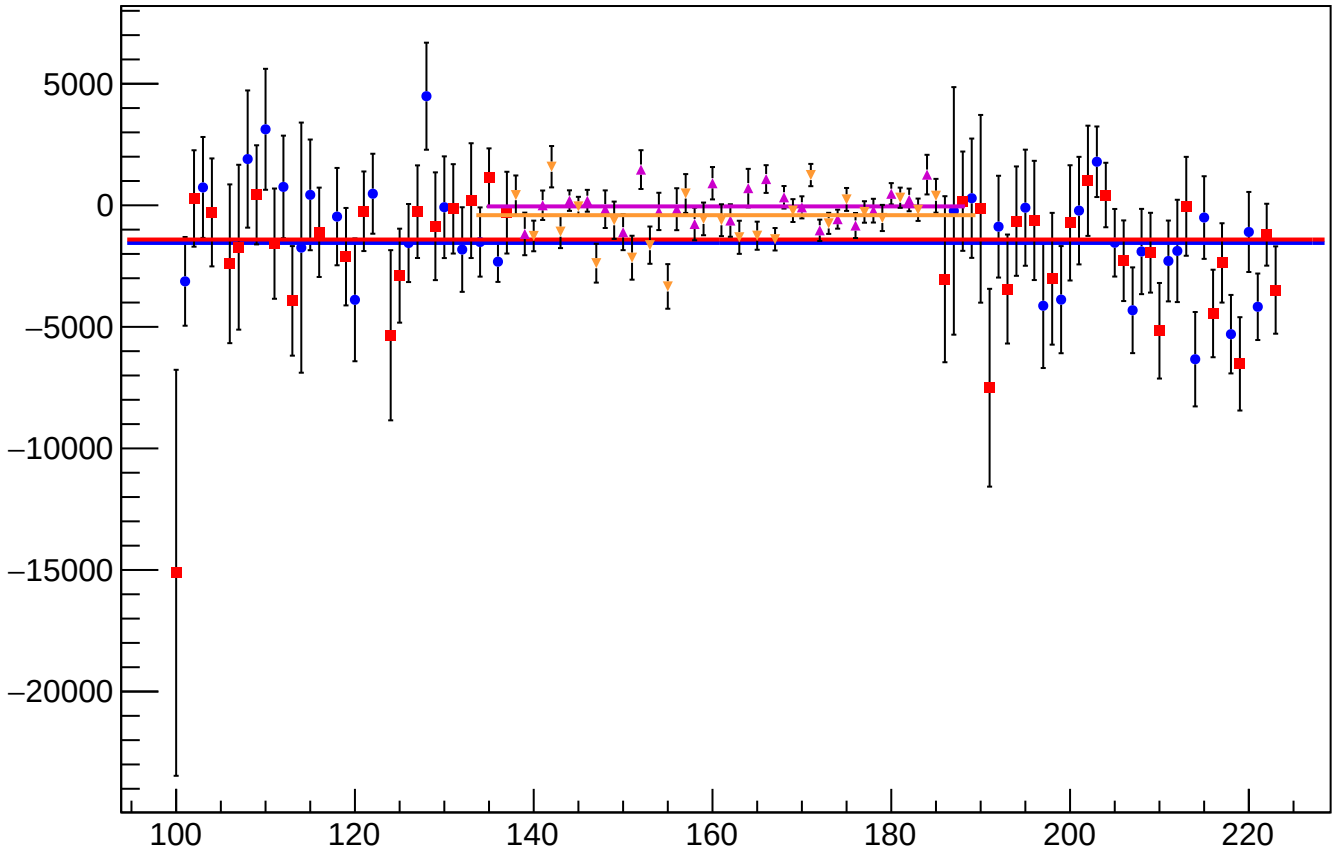
Right Out: 115.884+/-0.019 χ^2/NDF: 6407833.8/38

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.525+/-0.008 χ^2/NDF: 13144370.0/58

All: 70.148+/-0.006 χ^2/NDF: 27722800.3/120

- sign 70.812+/-0.009 χ^2/NDF: 14567090.0/61



Right In: -1548.073+/-309.489 χ^2/NDF: 47.7/33

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -1407.074+/-319.993 χ^2/NDF: 38.5/38

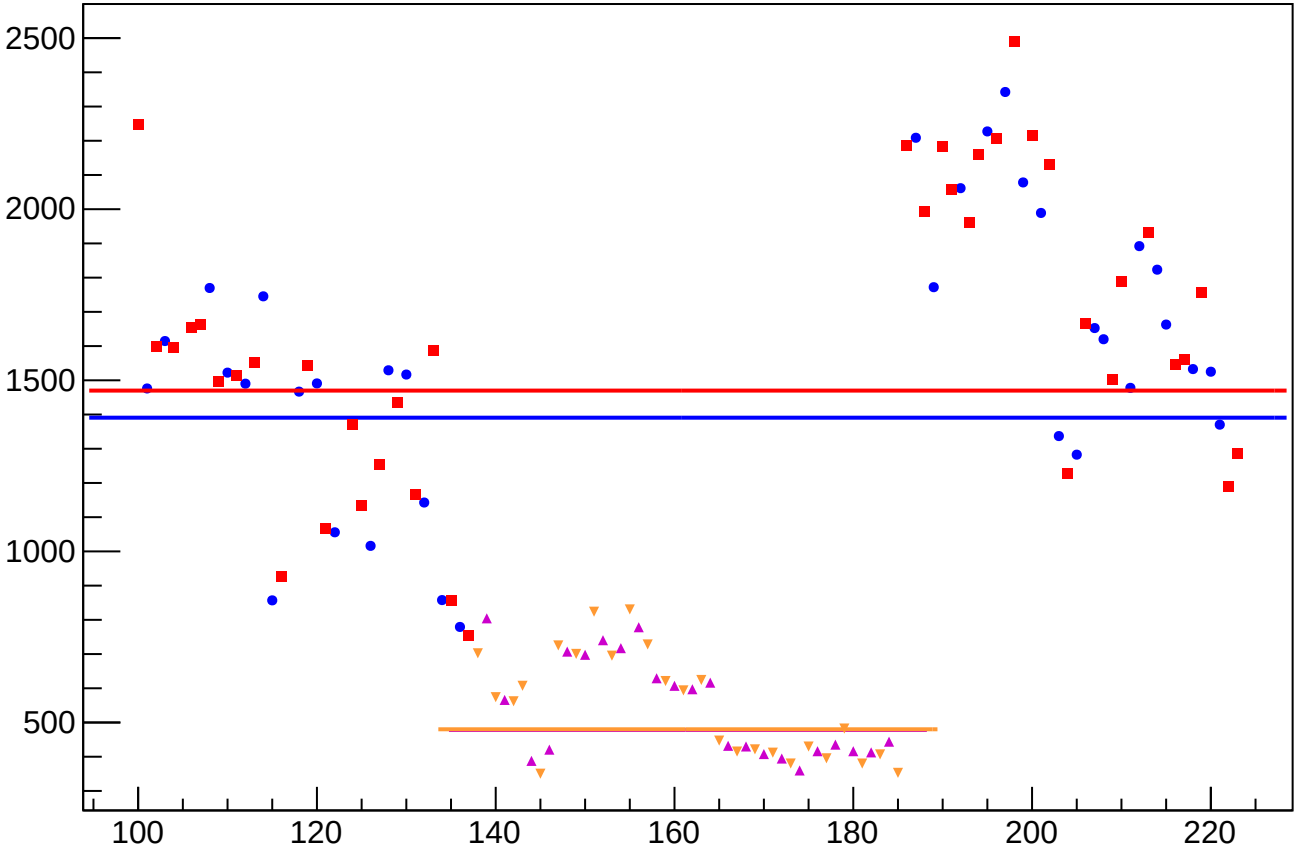
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -541.606+/-106.533 χ^2/NDF: 122.9/58

All: -375.710+/-76.140 χ^2/NDF: 213.5/120

- sign -202.487+/-108.860 χ^2/NDF: 85.6/61

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1390.761+/-0.219 χ^2/NDF: 3368977.5/33

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1469.931+/-0.226 χ^2/NDF: 3247503.3/38

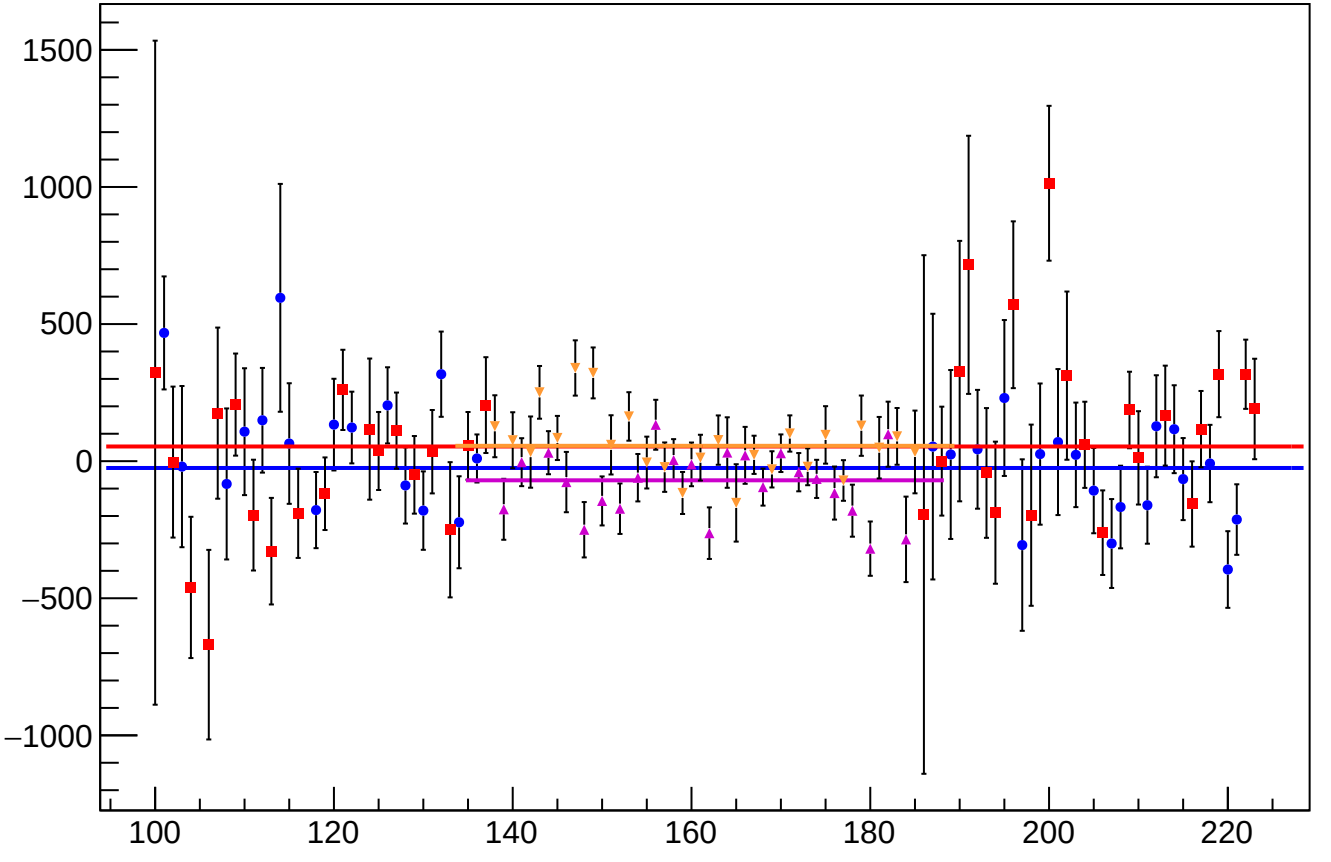
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 588.058+/-0.075 χ^2/NDF: 21213548.8/58

All: 590.414+/-0.054 χ^2/NDF: 43669752.5/12

- sign 592.874+/-0.077 χ^2/NDF: 22454205.0/61

dit_asym_sam_3726_avg_mean vs Slug



Right In: -24.859+/-28.982 χ^2/NDF: 40.9/33

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 53.522+/-29.761 χ^2/NDF: 58.1/38

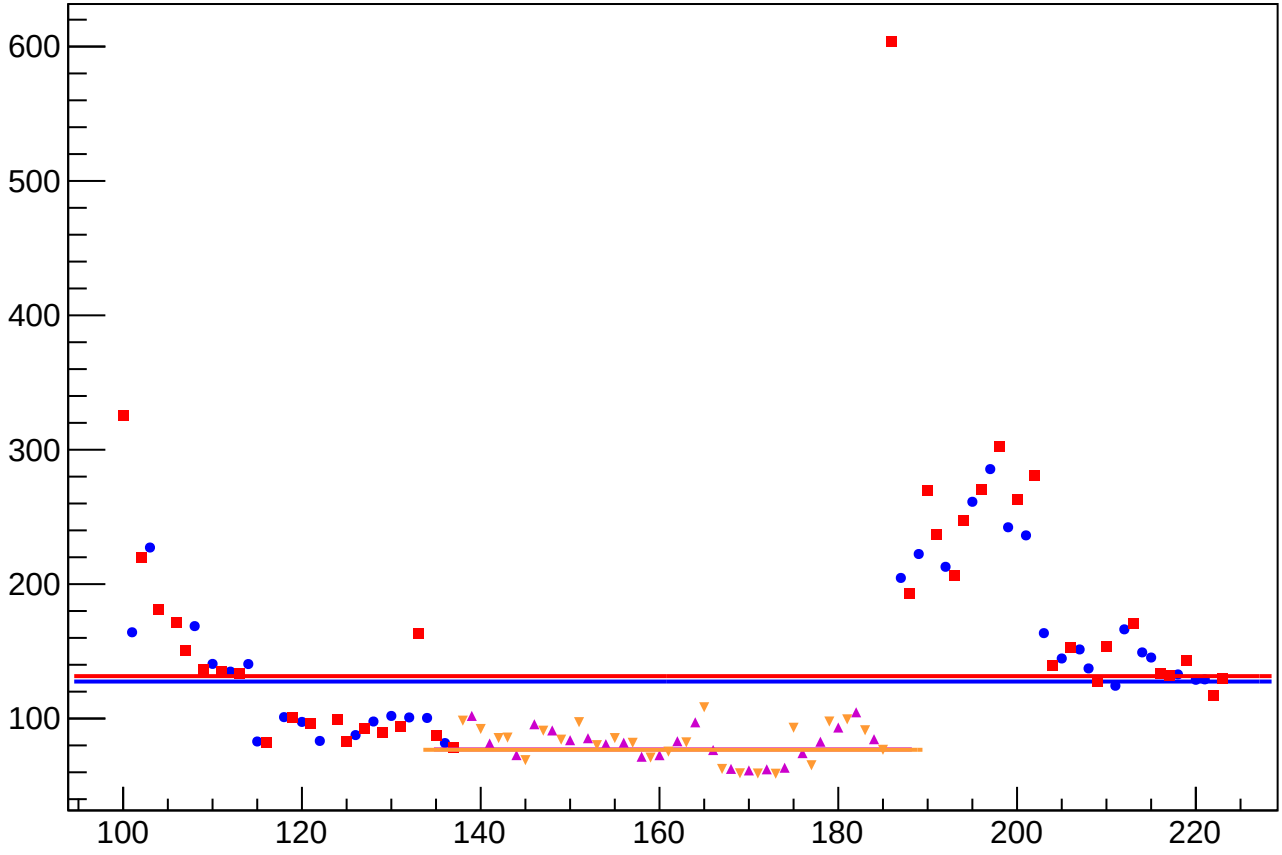
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 33.547+/-15.260 χ^2/NDF: 84.8/58

All: 0.041+/-10.946 χ^2/NDF: 199.8/120

- sign -35.469+/-15.710 χ^2/NDF: 105.1/61

dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.522+/-0.020 χ^2/NDF: 4314140.2/33

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

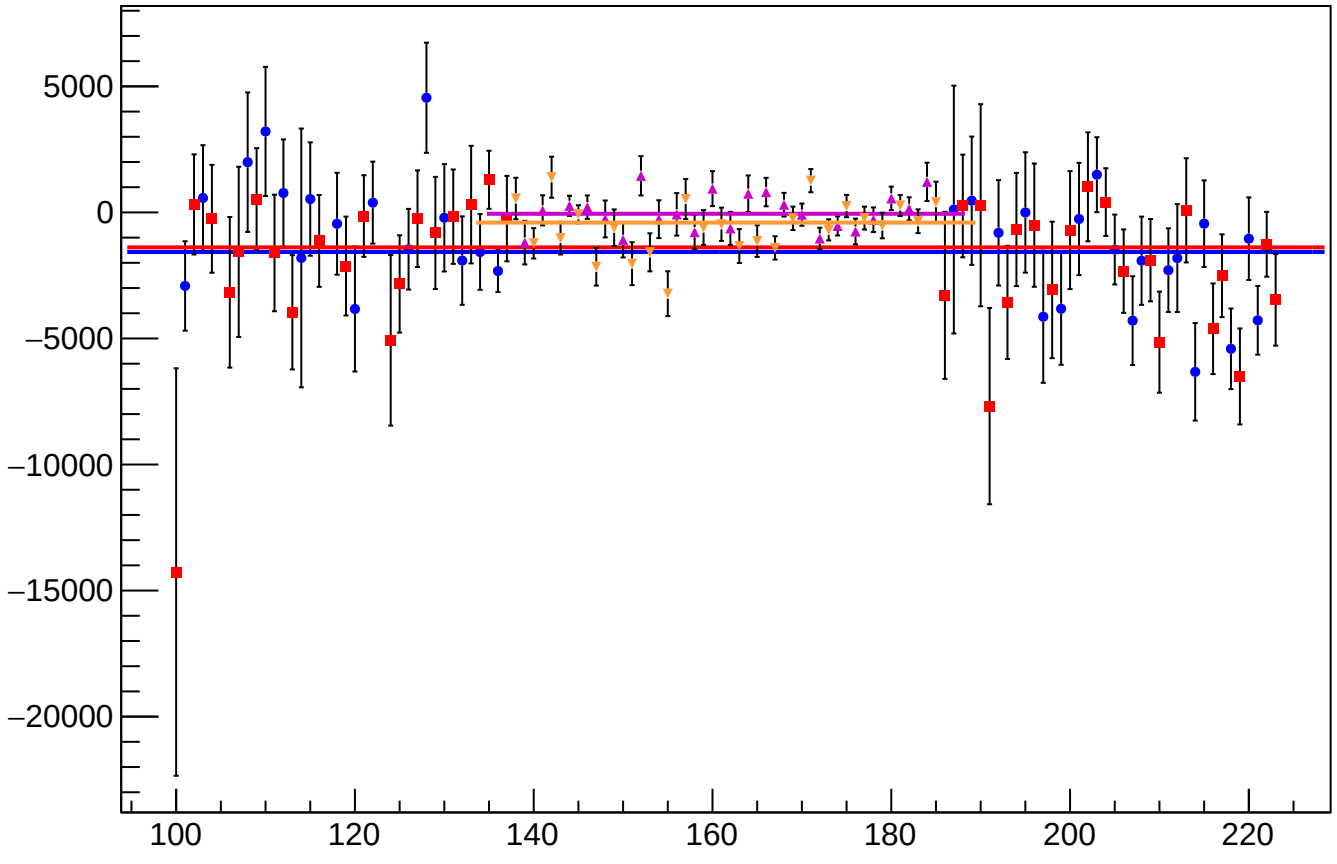
Right Out: 131.547+/-0.021 χ^2/NDF: 5598353.4/38

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 90.821+/-0.011 χ^2/NDF: 9986171.2/58

All: 91.496+/-0.008 χ^2/NDF: 21294696.5/120

- sign 92.212+/-0.011 χ^2/NDF: 11300457.8/61



Right In: -1569.619+/-310.639 χ^2/NDF: 47.4/33

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -1385.964+/-318.457 χ^2/NDF: 41.0/38

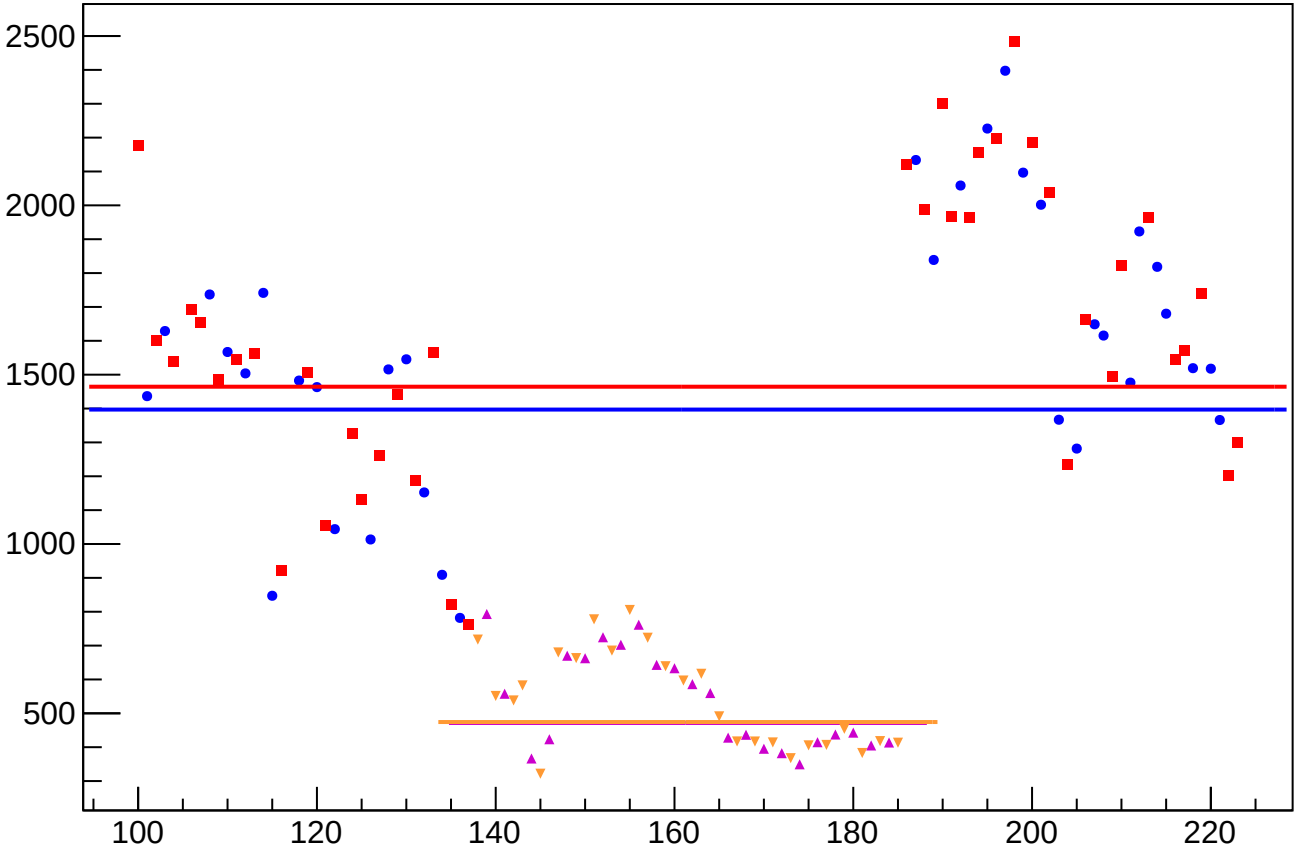
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -537.059+/-105.172 χ^2/NDF: 120.6/58

All: -375.175+/-75.183 χ^2/NDF: 212.6/120

- sign -205.994+/-107.517 χ^2/NDF: 87.2/61

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1396.964+/-0.220 χ^2/NDF: 3338470.8/33

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1464.466+/-0.225 χ^2/NDF: 3295674.2/38

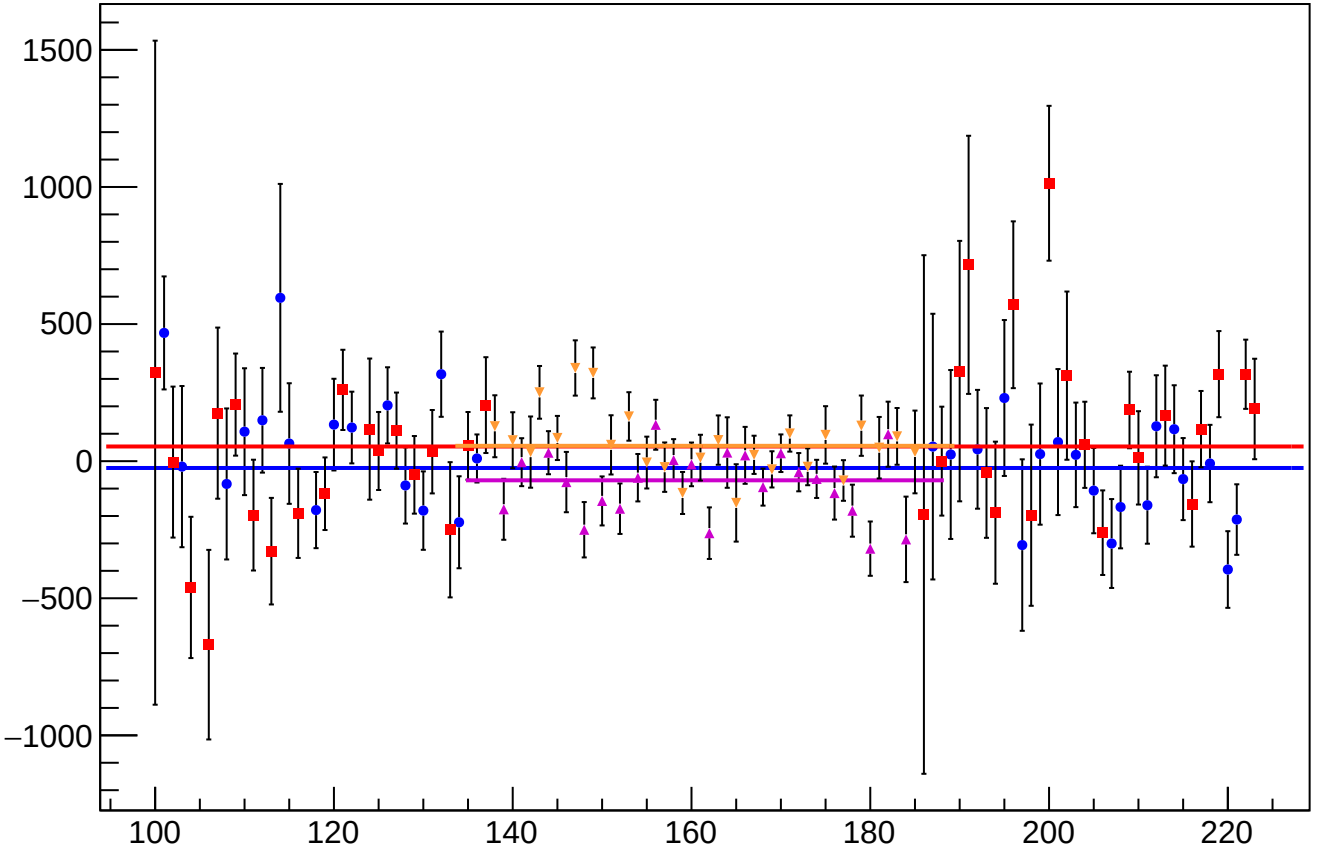
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 580.058+/-0.074 χ^2/NDF: 21499500.4/58

All: 582.300+/-0.053 χ^2/NDF: 44235981.5/12

- sign 584.644+/-0.076 χ^2/NDF: 22734621.3/61

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: -24.857+/-28.982 χ^2/NDF: 40.9/33

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 53.525+/-29.761 χ^2/NDF: 58.1/38

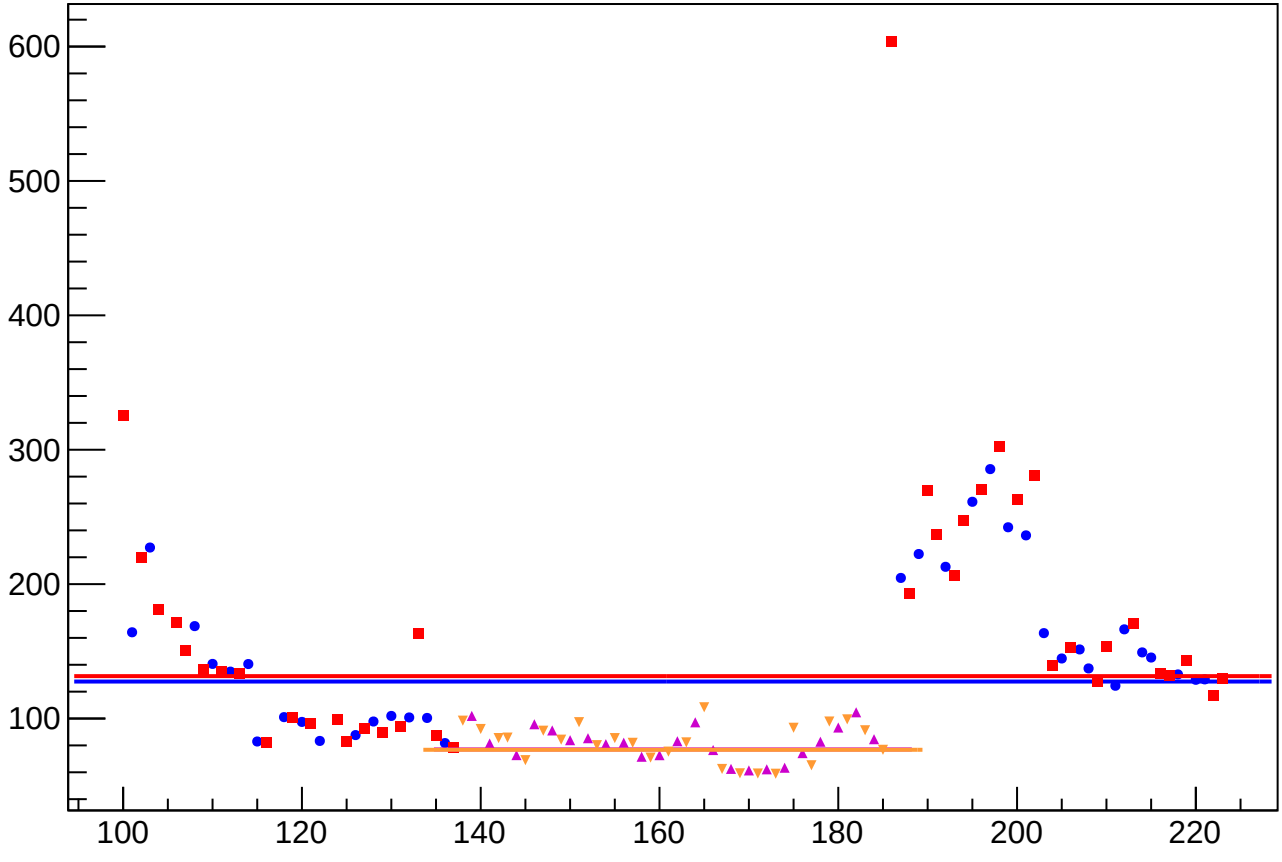
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 33.547+/-15.260 χ^2/NDF: 84.8/58

All: 0.042+/-10.946 χ^2/NDF: 199.8/120

- sign -35.468+/-15.710 χ^2/NDF: 105.1/61

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.522+/-0.020 χ^2/NDF: 4314153.6/33

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

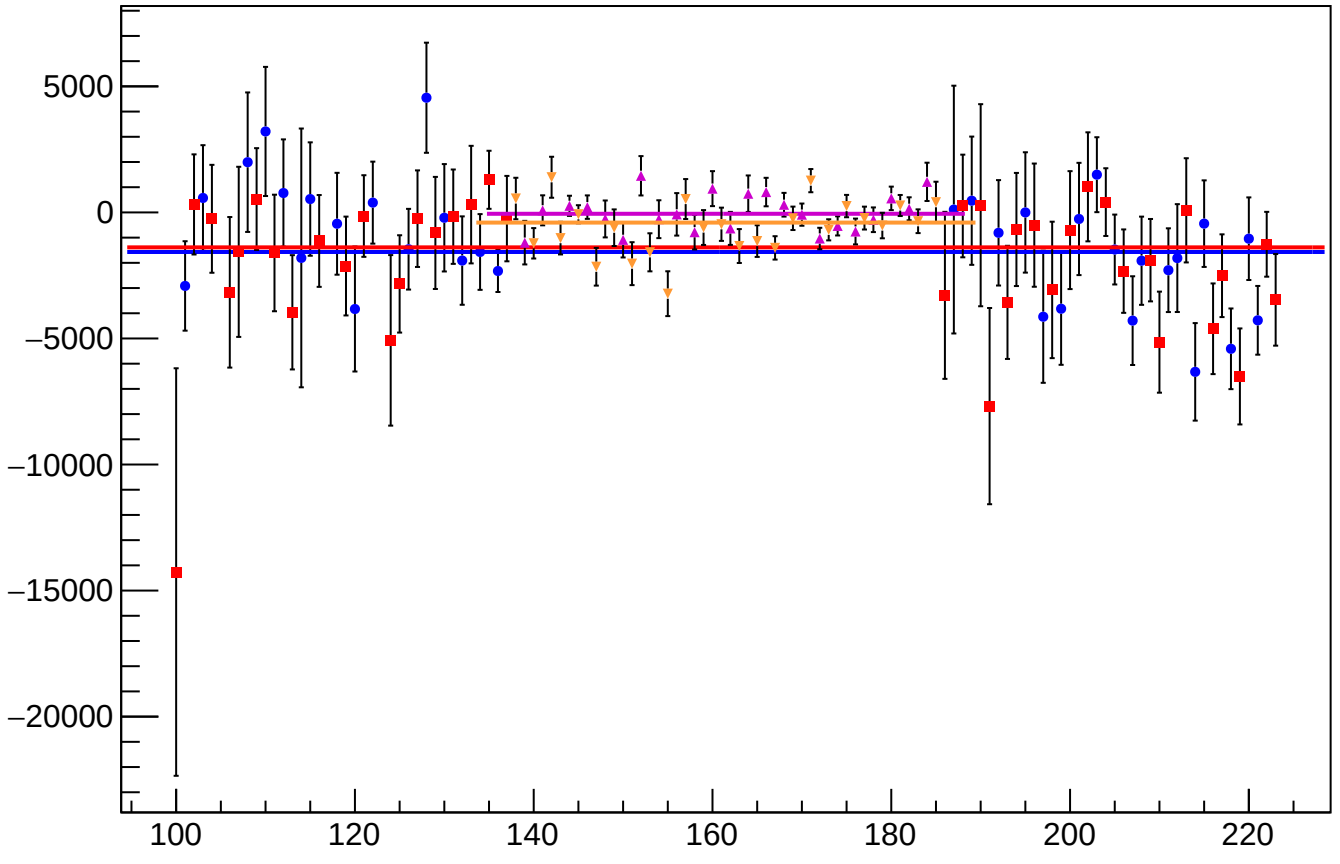
Right Out: 131.547+/-0.021 χ^2/NDF: 5598364.4/38

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 90.821+/-0.011 χ^2/NDF: 9986107.5/58

All: 91.496+/-0.008 χ^2/NDF: 21294563.0/120

- sign 92.212+/-0.011 χ^2/NDF: 11300387.5/61



Right In: -1569.615+/-310.638 χ^2/NDF: 47.4/33

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

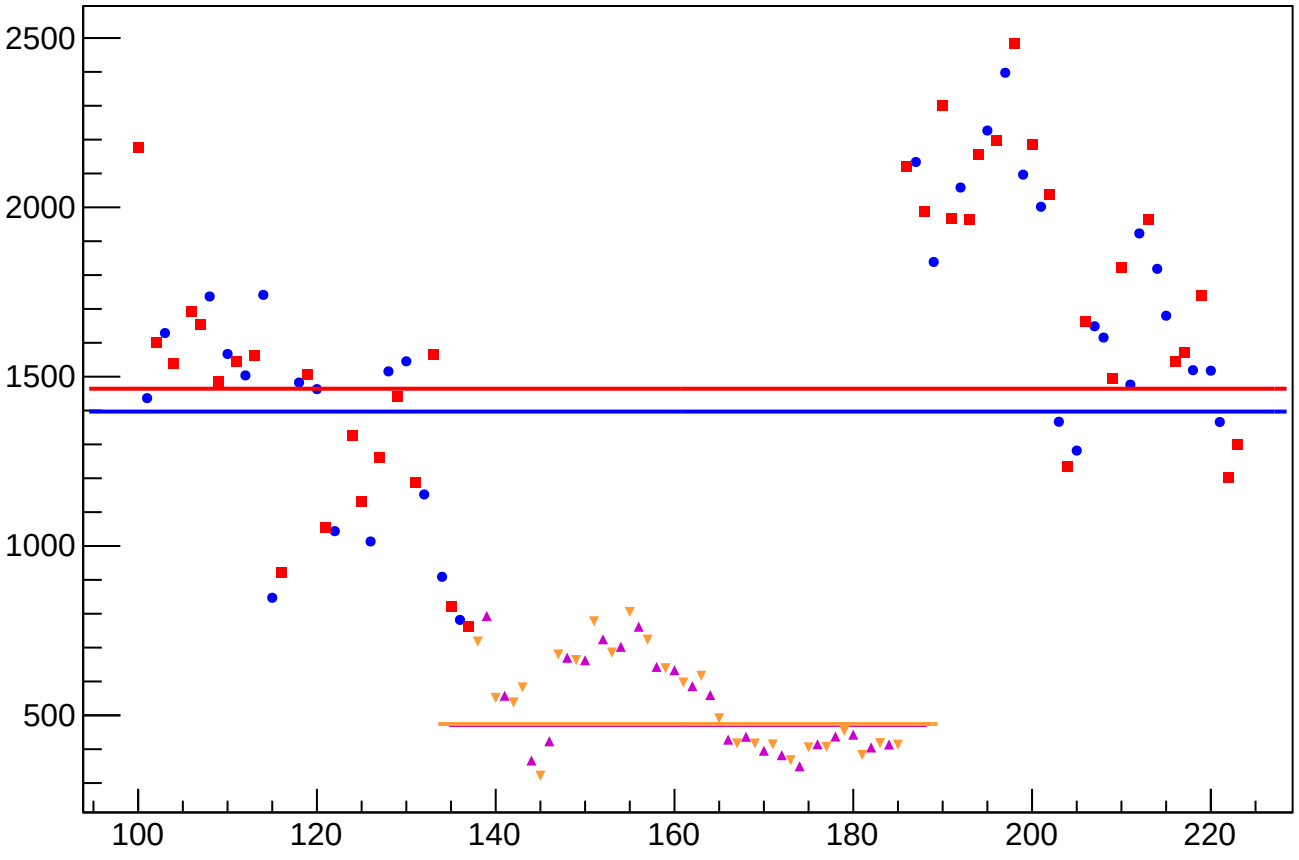
Right Out: -1385.962+/-318.457 χ^2/NDF: 41.0/38

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -537.058+/-105.172 χ^2/NDF: 120.6/58

All: -375.175+/-75.183 χ^2/NDF: 212.6/120

- sign -205.994+/-107.516 χ^2/NDF: 87.2/61



Right In: 1396.963+/-0.220 χ^2/NDF: 3338463.1/33

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1464.465+/-0.225 χ^2/NDF: 3295669.0/38

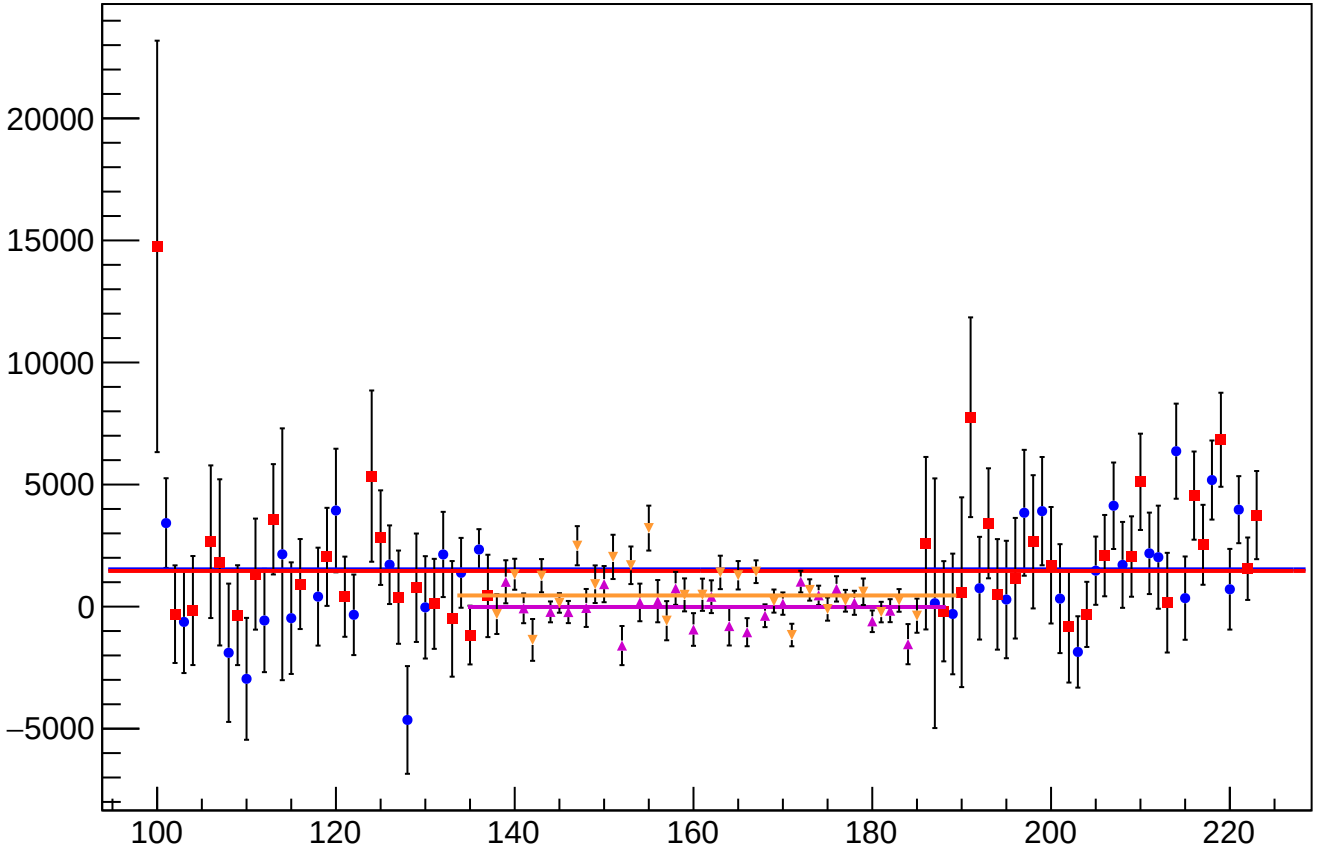
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 580.057+/-0.074 χ^2/NDF: 21499500.6/58

All: 582.300+/-0.053 χ^2/NDF: 44235968.4/12

- sign 584.644+/-0.076 χ^2/NDF: 22734607.9/61

asym_sam_3726_avg_mean vs Slug



Right In: 1526.387+/-310.849 χ^2/NDF: 46.7/33

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 1460.966+/-321.245 χ^2/NDF: 38.6/38

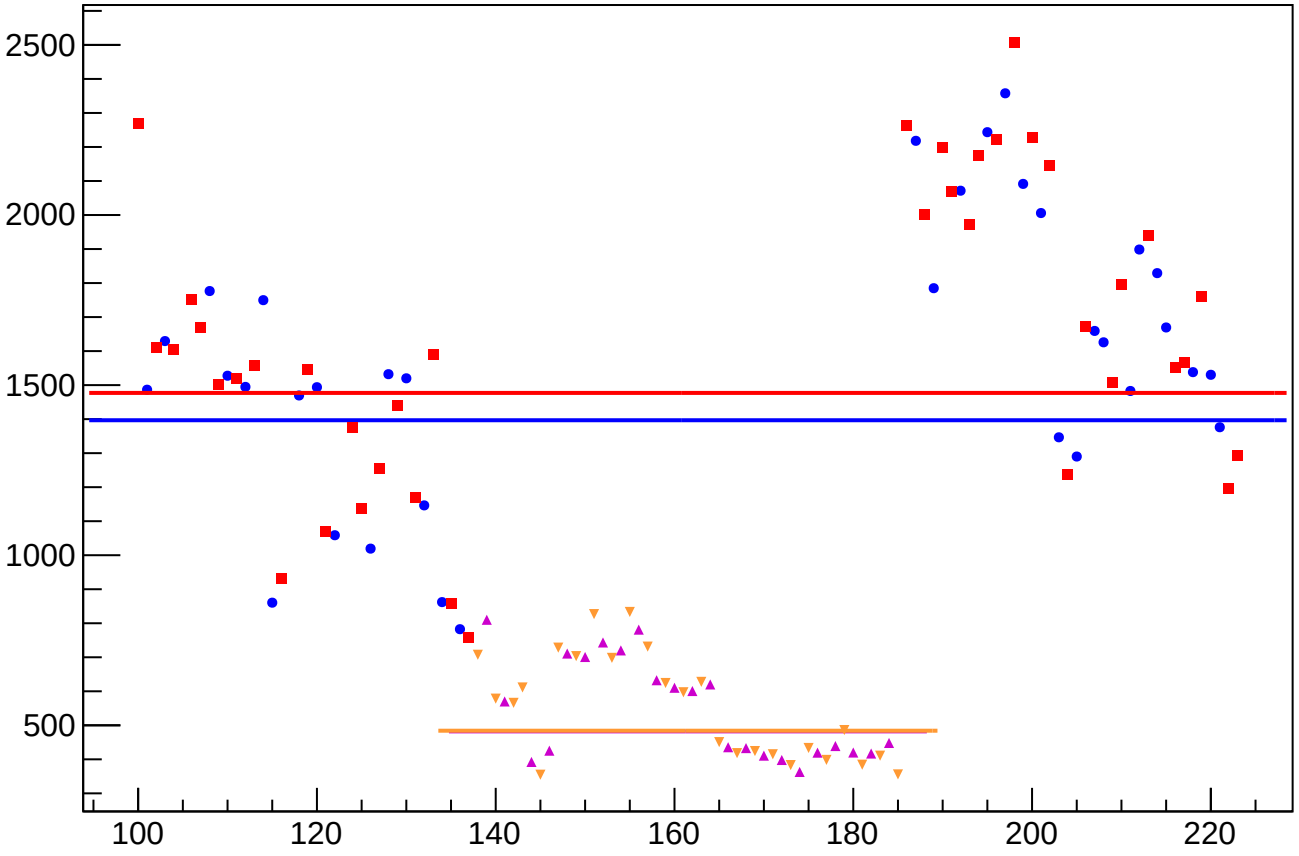
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 584.719+/-107.320 χ^2/NDF: 116.5/58

All: 375.522+/-76.710 χ^2/NDF: 211.8/120

- sign 156.995+/-109.687 χ^2/NDF: 87.6/61

asym_sam_3726_avg_rms vs Slug



Right In: 1396.746+/-0.220 χ^2/NDF: 3377537.8/33

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

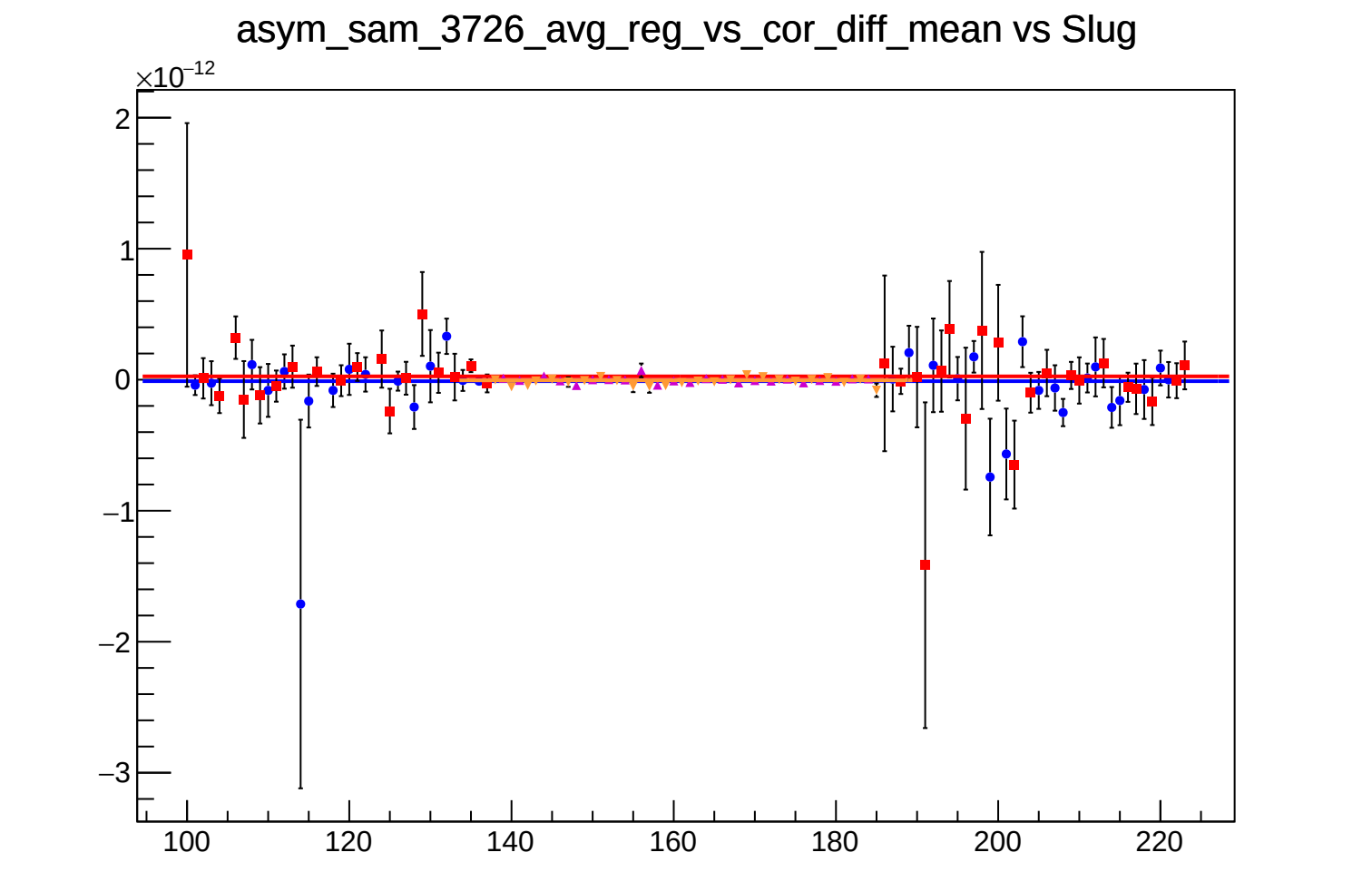
Right Out: 1477.066+/-0.227 χ^2/NDF: 3284081.9/38

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

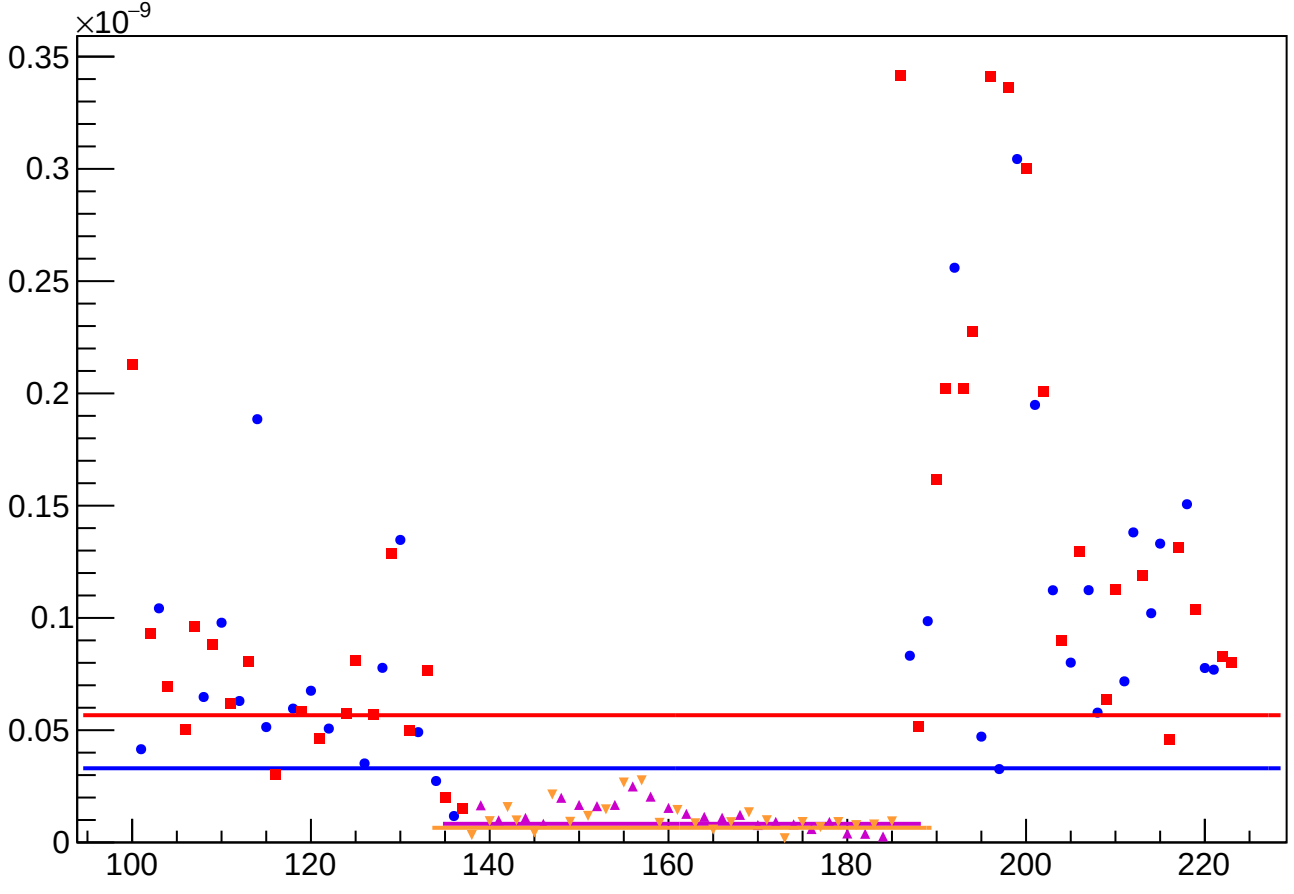
+ sign 592.908+/-0.076 χ^2/NDF: 21110051.1/58

All: 595.472+/-0.054 χ^2/NDF: 43529922.1/12

- sign 598.150+/-0.078 χ^2/NDF: 22417537.5/61


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 31.9/33
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.7/38
Left In: -0.000+/-0.000 χ²/NDF:15.0/22
+ sign -0.000+/-0.000 χ²/NDF: 63.1/58
All: -0.000+/-0.000 χ²/NDF: 106.6/120
- sign -0.000+/-0.000 χ²/NDF: 43.4/61

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9557406.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7294786.5/38

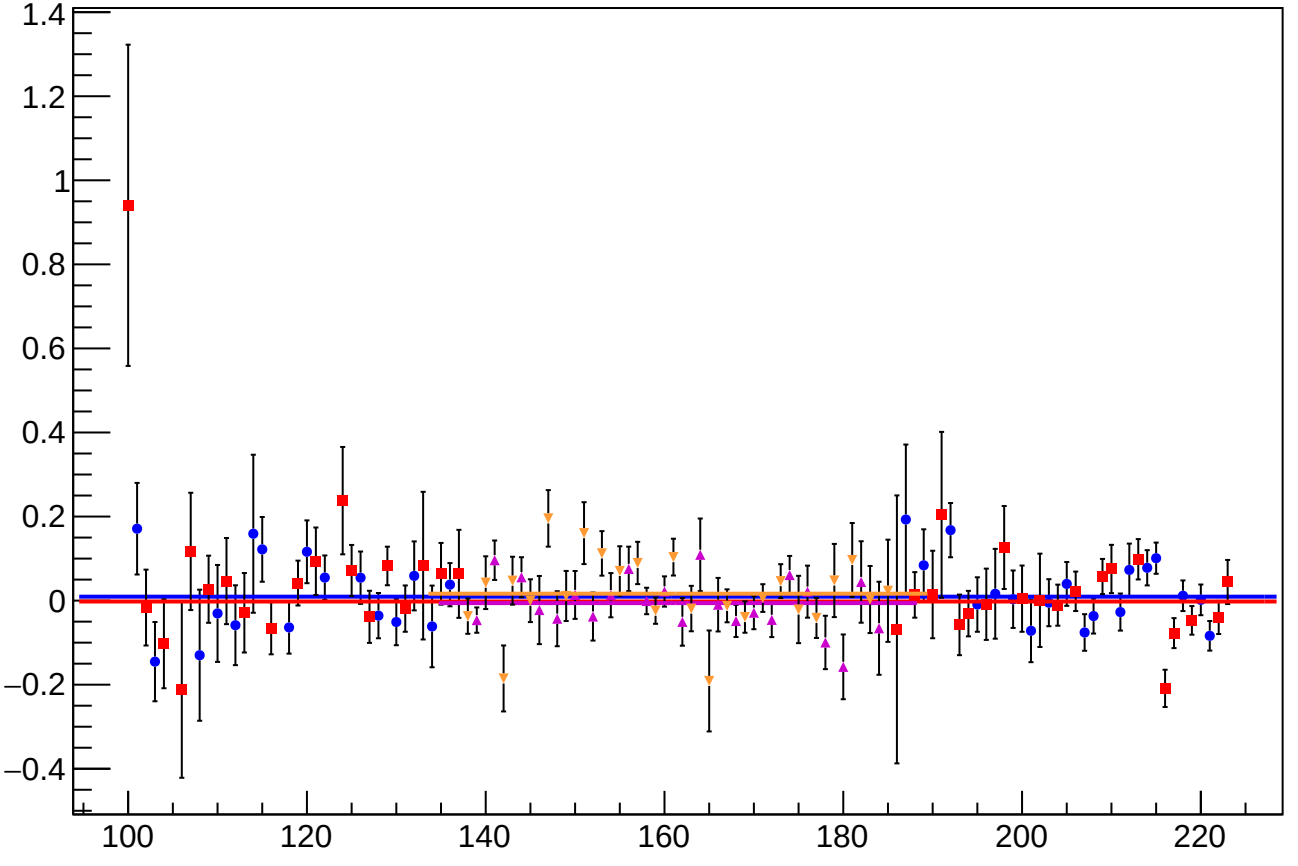
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18691840.1/58

All: 0.000+/-0.000 χ^2/NDF: 38137356.4/120

- sign 0.000+/-0.000 χ^2/NDF: 19078408.7/61

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 49.0/33

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.002+/-0.010 χ^2/NDF: 64.6/38

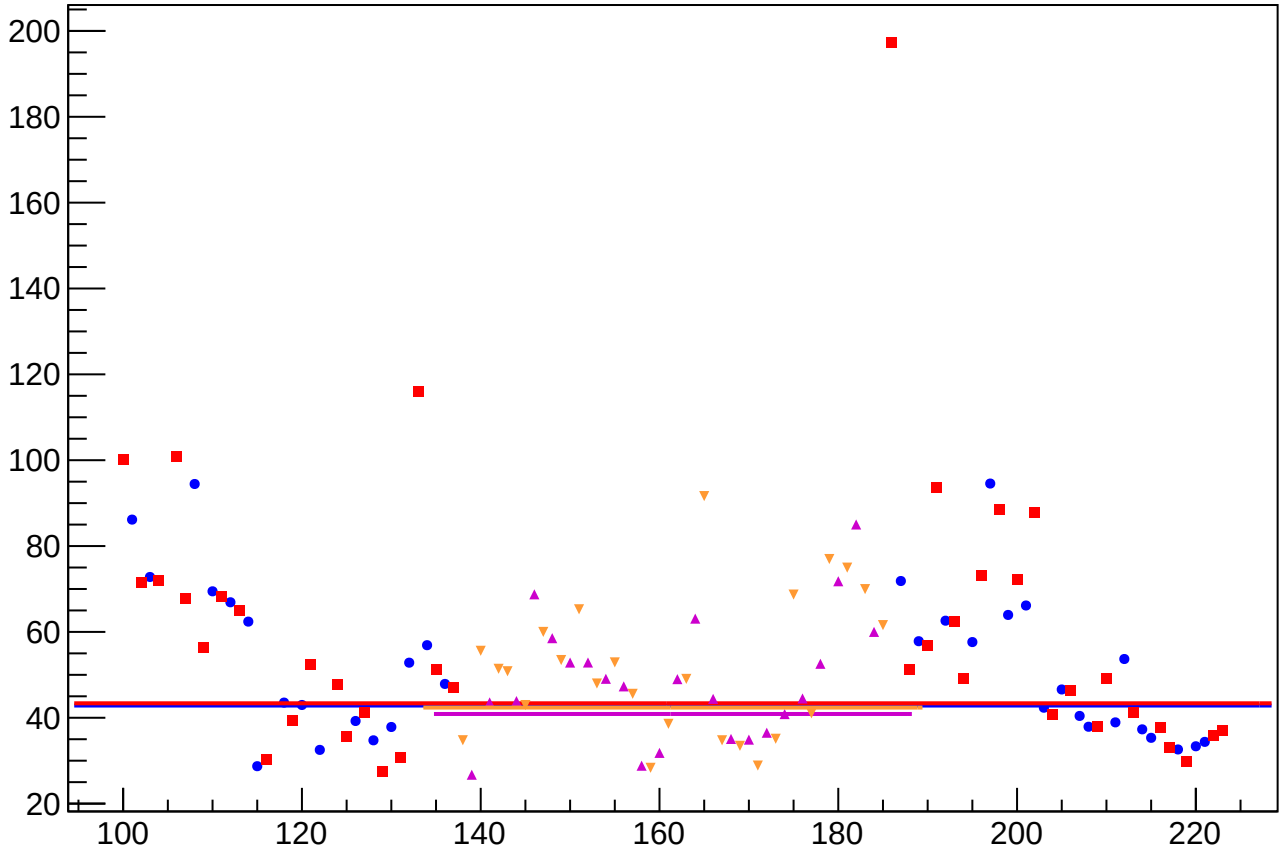
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.013+/-0.007 χ^2/NDF: 90.3/58

All: 0.004+/-0.005 χ^2/NDF: 183.6/120

- sign -0.004+/-0.007 χ^2/NDF: 90.6/61

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.848+/-0.007 χ^2/NDF: 3202459.5/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

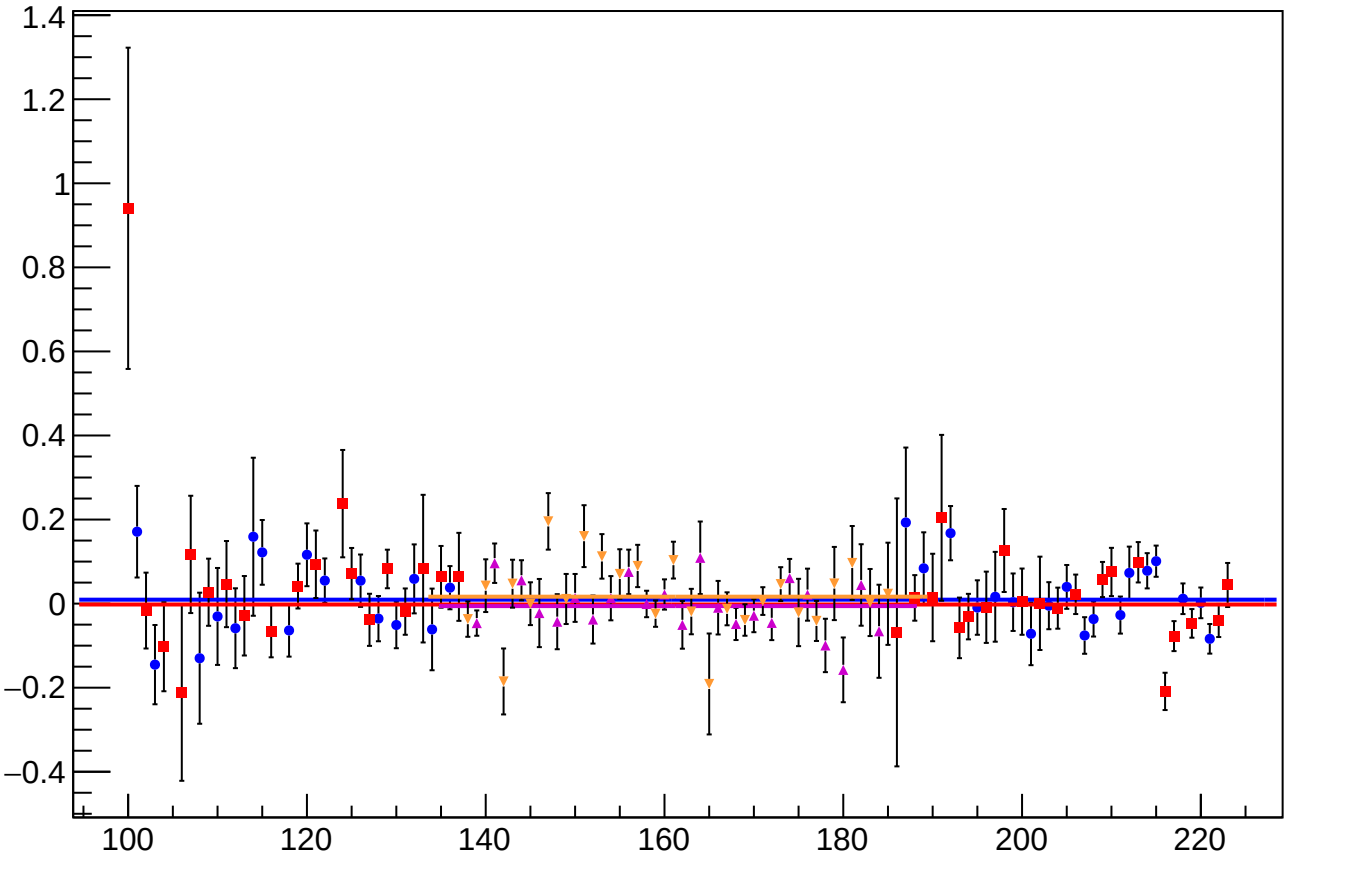
Right Out: 43.371+/-0.007 χ^2/NDF: 4519136.6/38

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 42.623+/-0.005 χ^2/NDF: 6395624.7/58

All: 42.392+/-0.004 χ^2/NDF: 13657474.5/120

- sign 42.158+/-0.005 χ^2/NDF: 7257629.0/61



Right In: 0.009+/-0.010 χ^2/NDF: 49.0/33

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.002+/-0.010 χ^2/NDF: 64.6/38

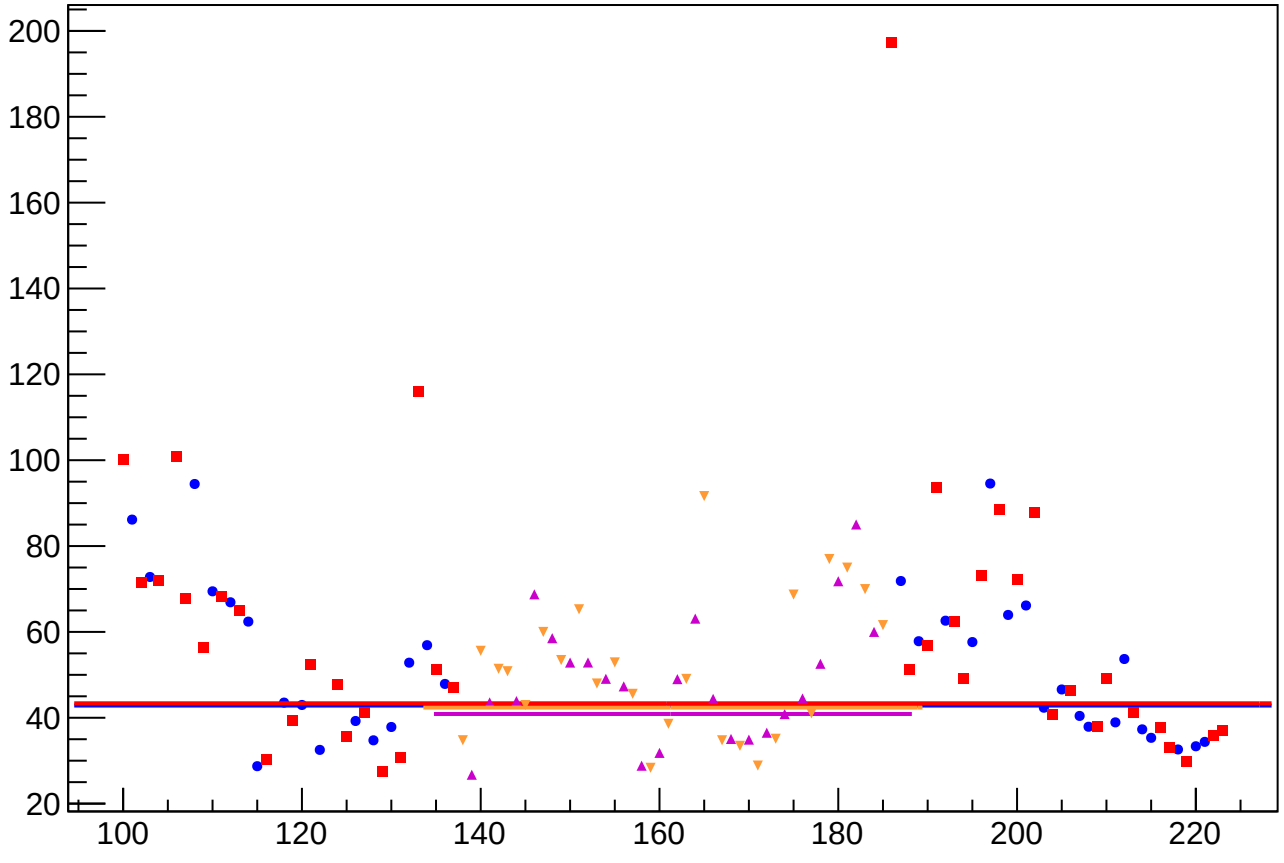
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.013+/-0.007 χ^2/NDF: 90.3/58

All: 0.004+/-0.005 χ^2/NDF: 183.6/120

- sign -0.004+/-0.007 χ^2/NDF: 90.6/61

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.848+/-0.007 χ^2/NDF: 3202459.5/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

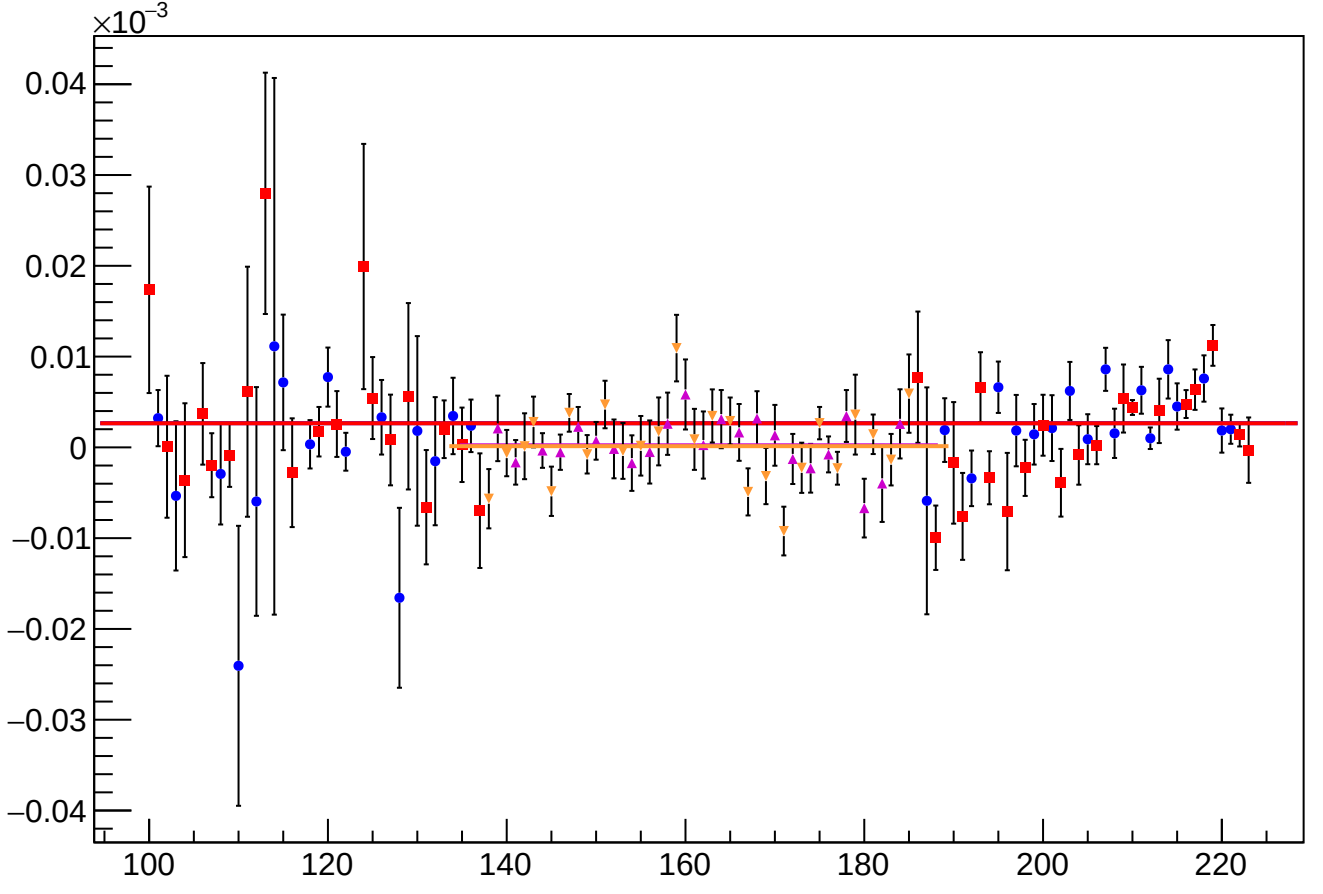
Right Out: 43.371+/-0.007 χ^2/NDF: 4519136.6/38

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 42.623+/-0.005 χ^2/NDF: 6395624.7/58

All: 42.392+/-0.004 χ^2/NDF: 13657474.5/120

- sign 42.158+/-0.005 χ^2/NDF: 7257629.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

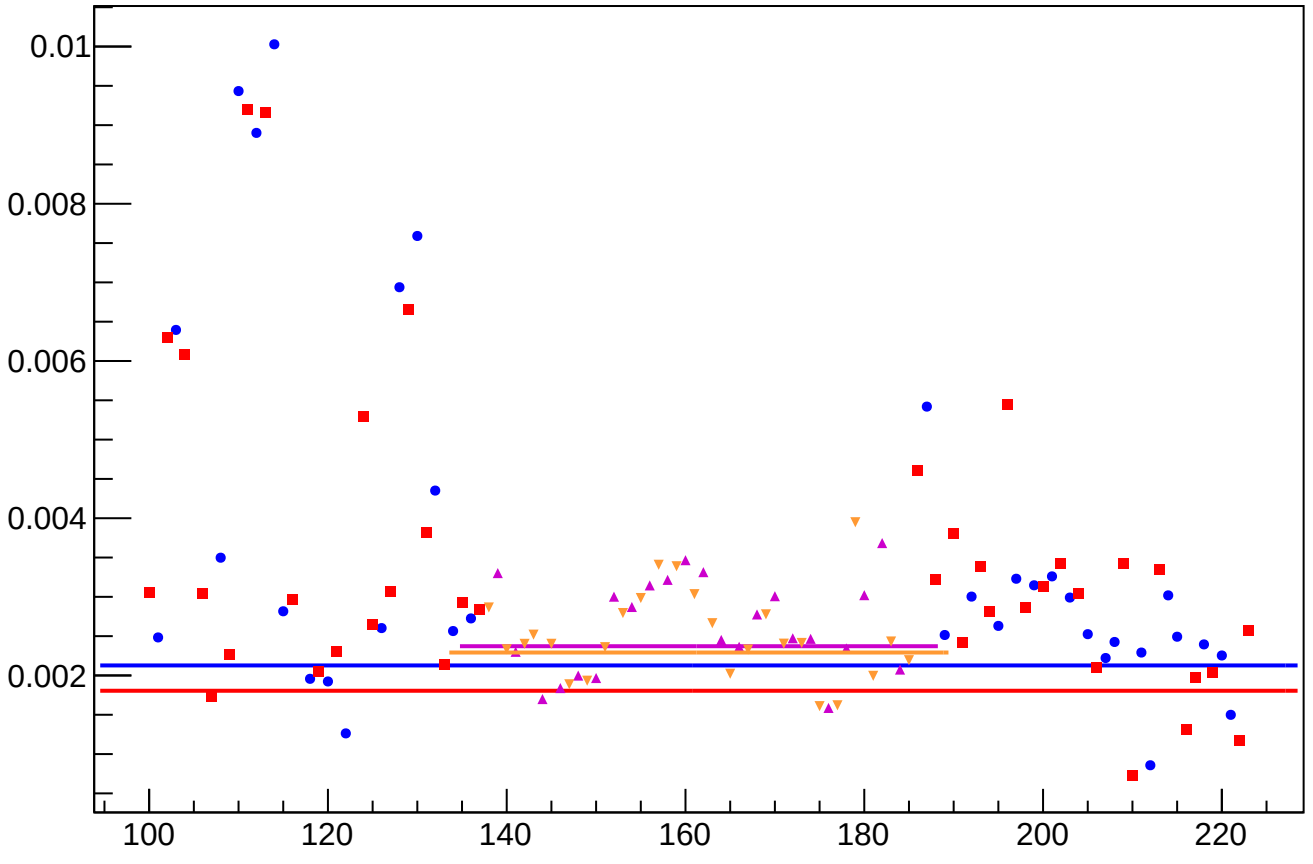
Right Out: 0.000+/-0.000 χ^2/NDF: 76.6/38

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 103.7/58

All: 0.000+/-0.000 χ^2/NDF: 207.4/120

- sign 0.000+/-0.000 χ^2/NDF: 103.4/61



Right In: 0.002+/-0.000 χ^2/NDF: 7557826.0/33

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

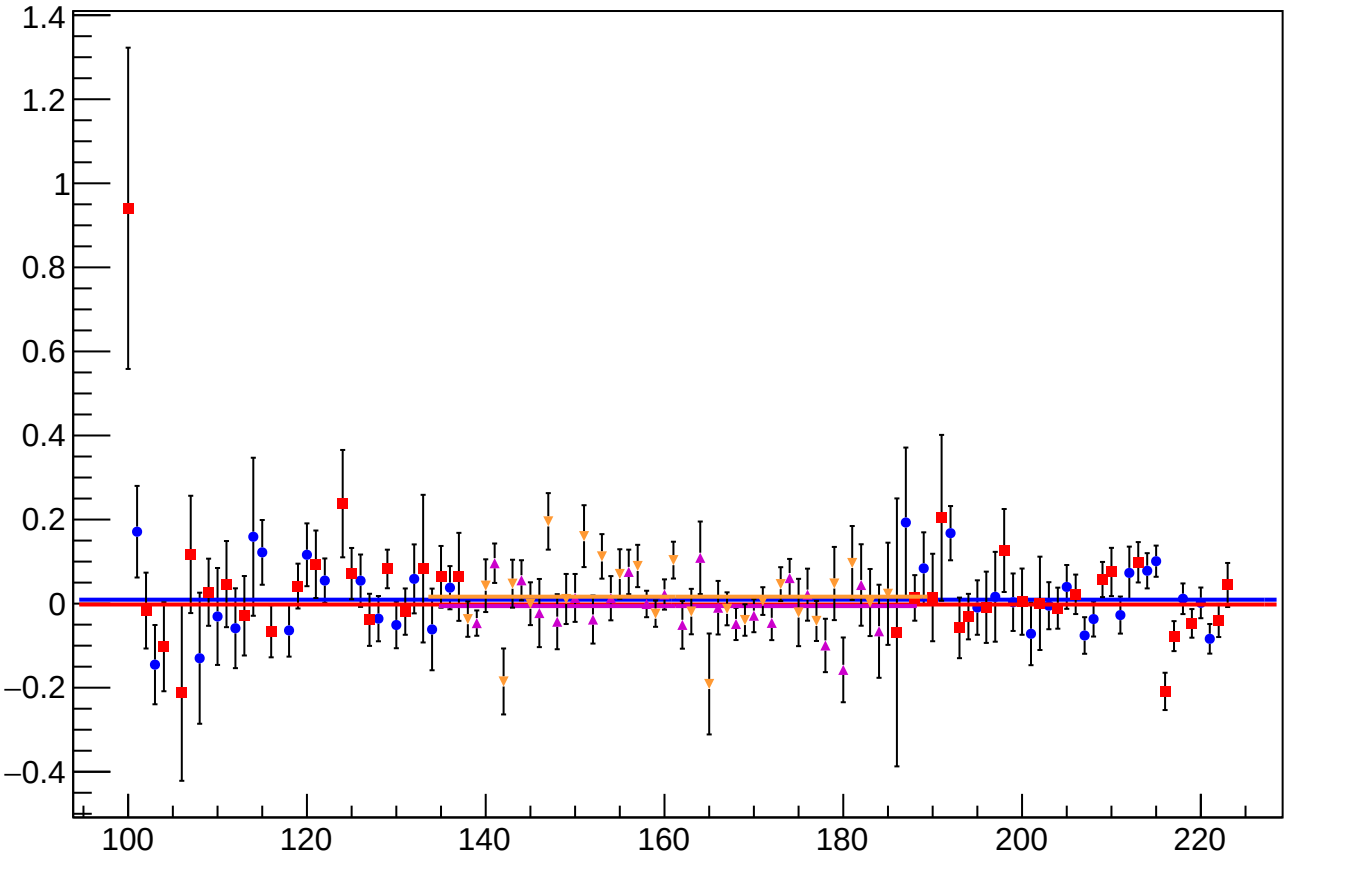
Right Out: 0.002+/-0.000 χ^2/NDF: 12163534.8/38

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 9475050.8/58

All: 0.002+/-0.000 χ^2/NDF: 25110379.6/120

- sign 0.002+/-0.000 χ^2/NDF: 15377175.8/61



Right In: 0.009+/-0.010 χ^2/NDF: 49.0/33

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.002+/-0.010 χ^2/NDF: 64.6/38

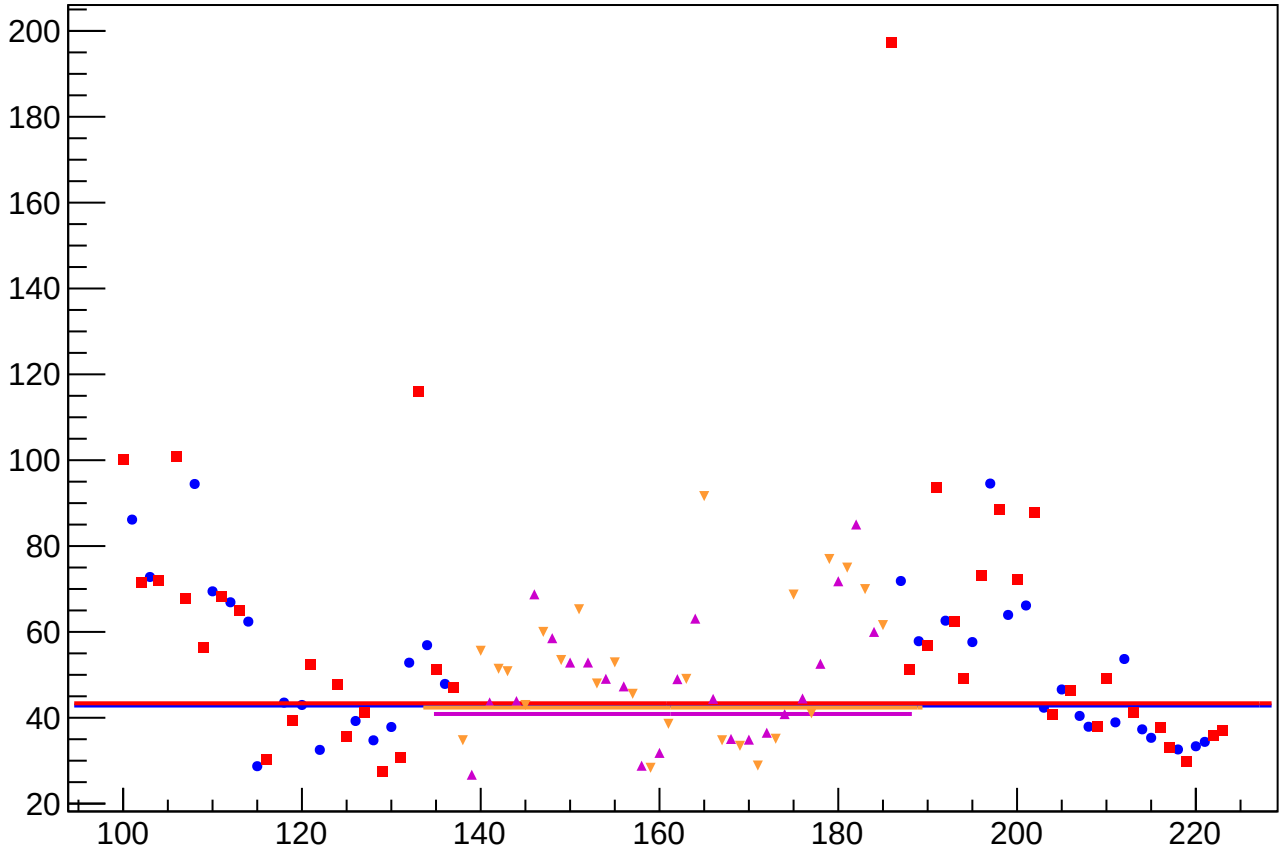
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.013+/-0.007 χ^2/NDF: 90.3/58

All: 0.004+/-0.005 χ^2/NDF: 183.6/120

- sign -0.004+/-0.007 χ^2/NDF: 90.6/61

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.848+/-0.007 χ^2/NDF: 3202397.7/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

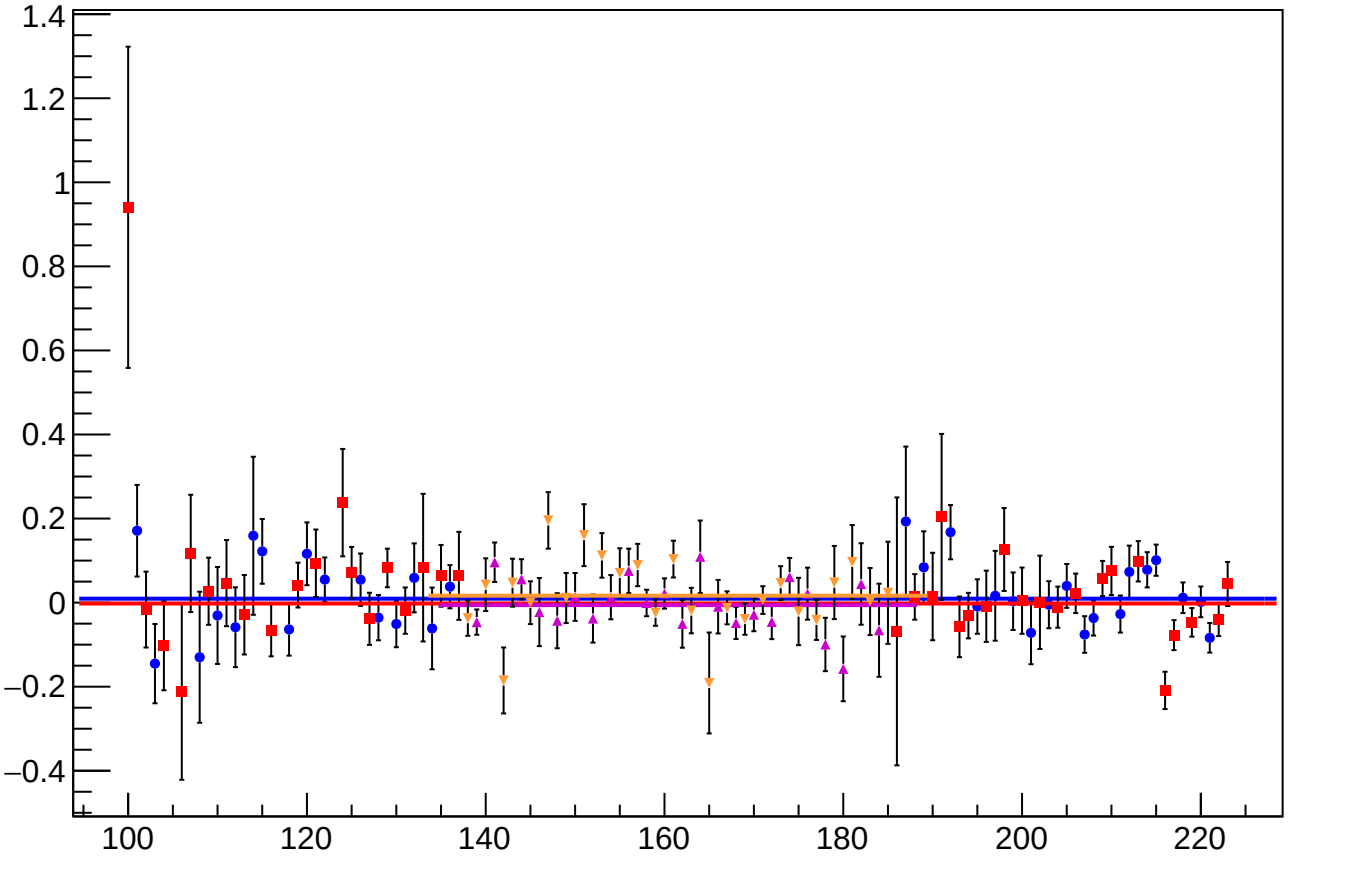
Right Out: 43.371+/-0.007 χ^2/NDF: 4519090.3/38

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 42.623+/-0.005 χ^2/NDF: 6395588.1/58

All: 42.392+/-0.004 χ^2/NDF: 13657390.2/120

- sign 42.158+/-0.005 χ^2/NDF: 7257581.4/61



Right In: 0.009+/-0.010 χ^2/NDF: 49.0/33

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

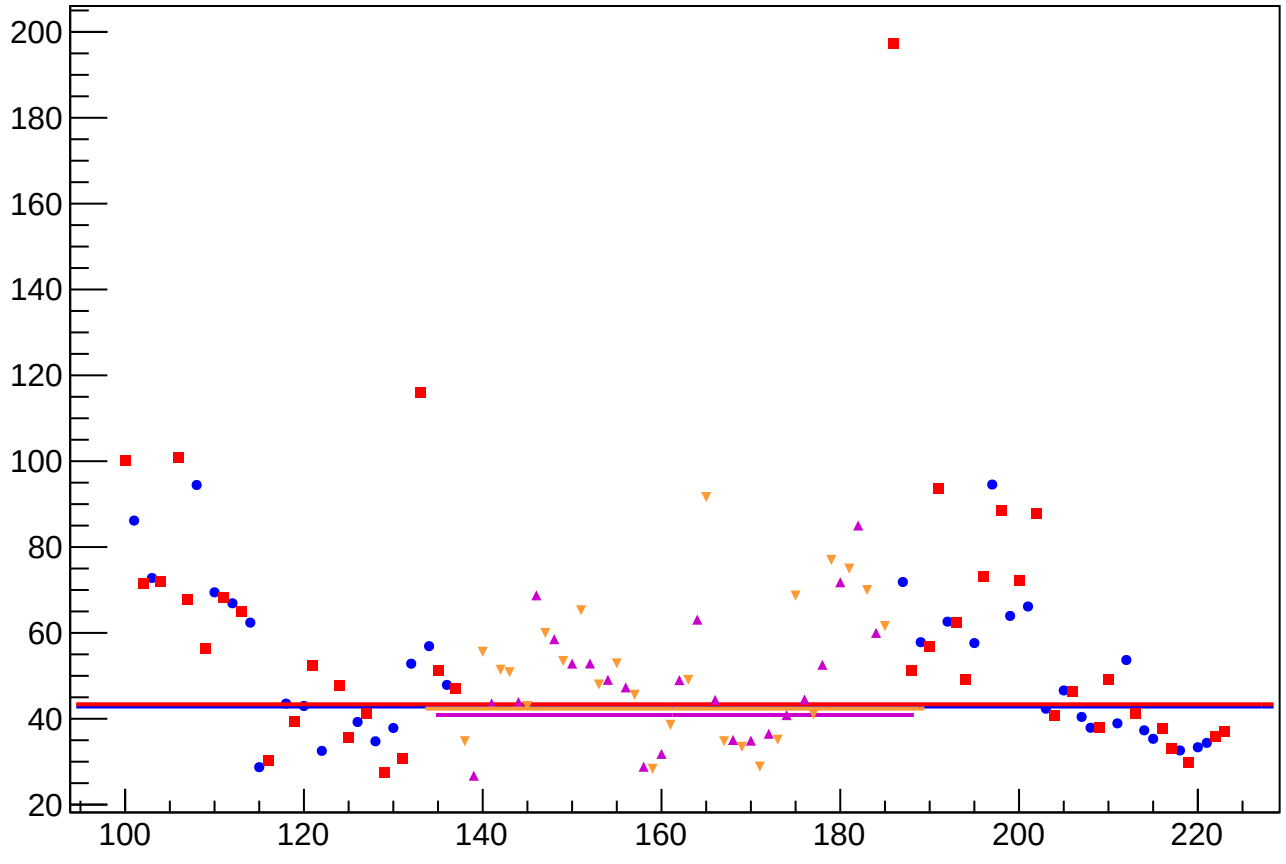
Right Out: -0.002+/-0.010 χ^2/NDF: 64.6/38

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.013+/-0.007 χ^2/NDF: 90.3/58

All: 0.004+/-0.005 χ^2/NDF: 183.6/120

- sign -0.004+/-0.007 χ^2/NDF: 90.6/61



Right In: 42.848+/-0.007 χ^2/NDF: 3202397.7/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

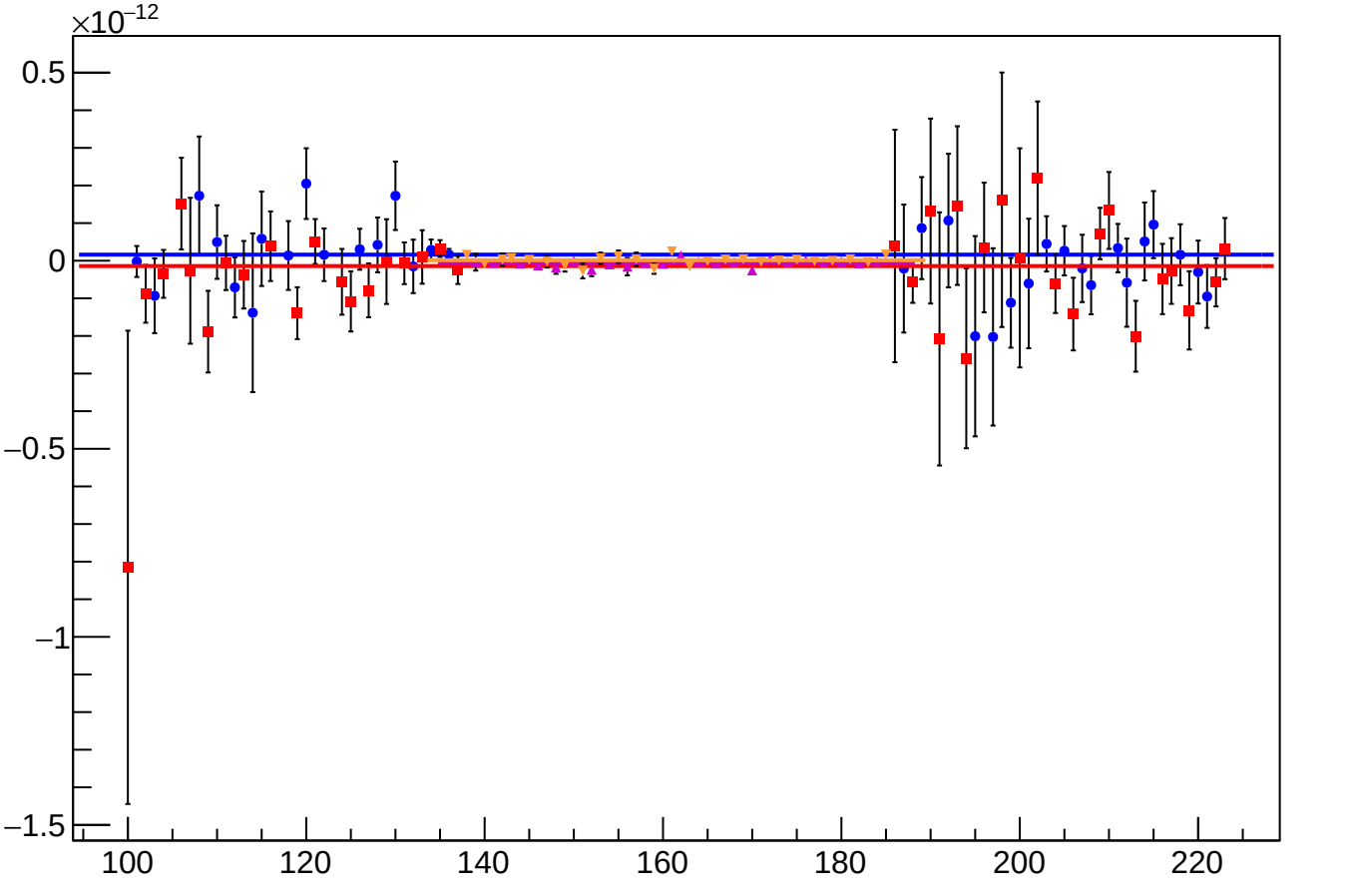
Right Out: 43.371+/-0.007 χ^2/NDF: 4519090.3/38

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 42.623+/-0.005 χ^2/NDF: 6395588.1/58

All: 42.392+/-0.004 χ^2/NDF: 13657390.2/120

- sign 42.158+/-0.005 χ^2/NDF: 7257581.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

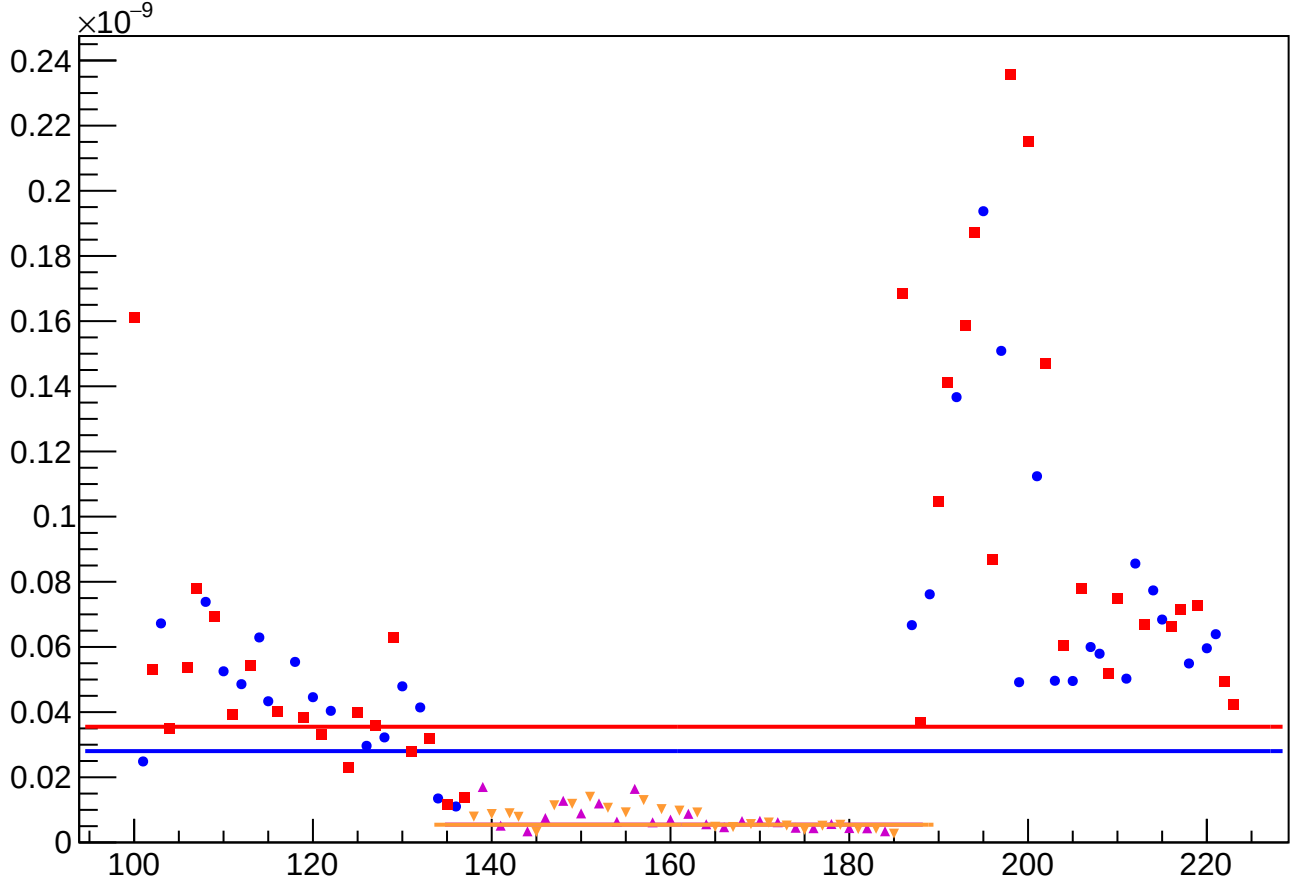
Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/38

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/58

All: -0.000+/-0.000 χ^2/NDF: 99.9/120

- sign -0.000+/-0.000 χ^2/NDF: 49.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 10731806.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10366710.2/38

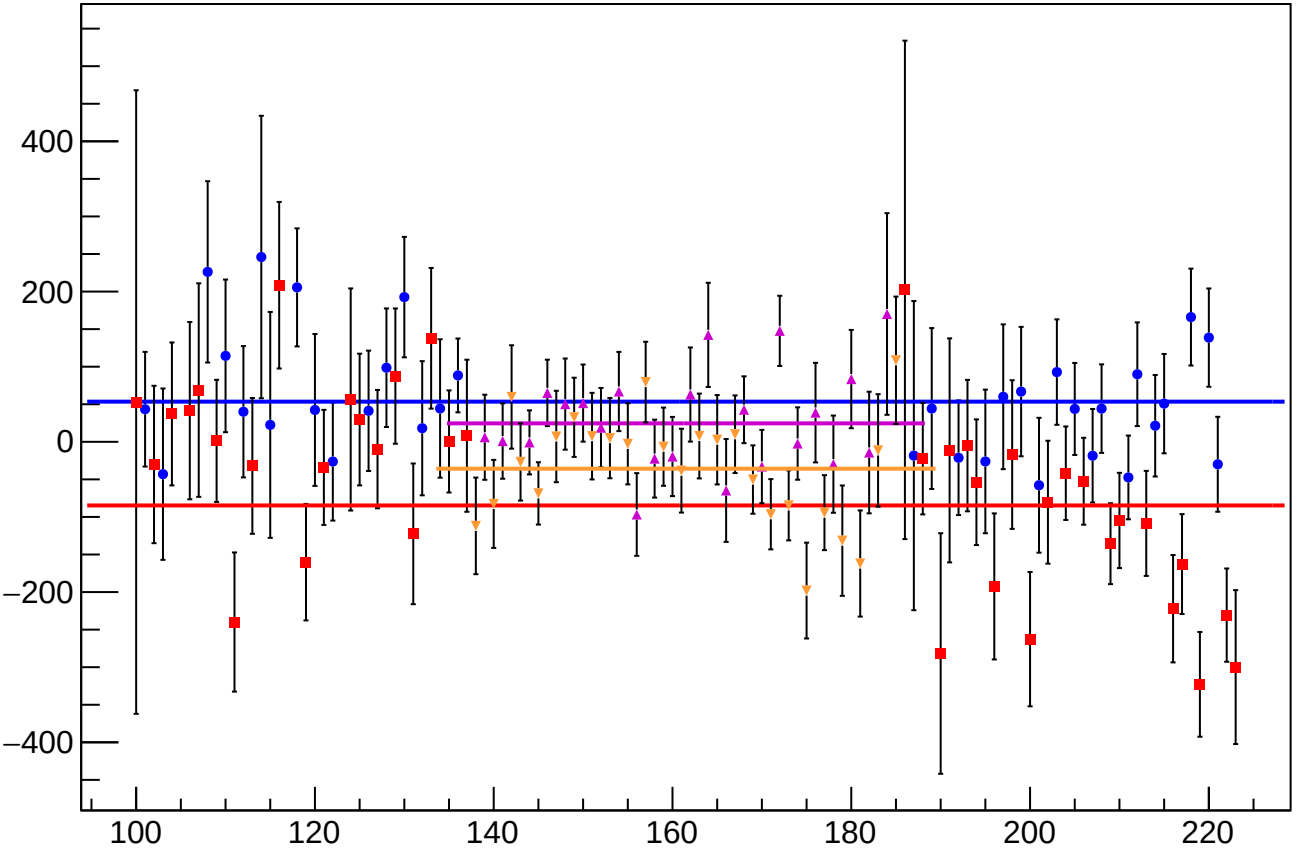
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 24369224.7/58

All: 0.000+/-0.000 χ^2/NDF: 50299238.4/120

- sign 0.000+/-0.000 χ^2/NDF: 25928842.0/61

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 53.471+/-13.308 χ^2/NDF: 28.4/33

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -84.688+/-13.474 χ^2/NDF: 70.8/38

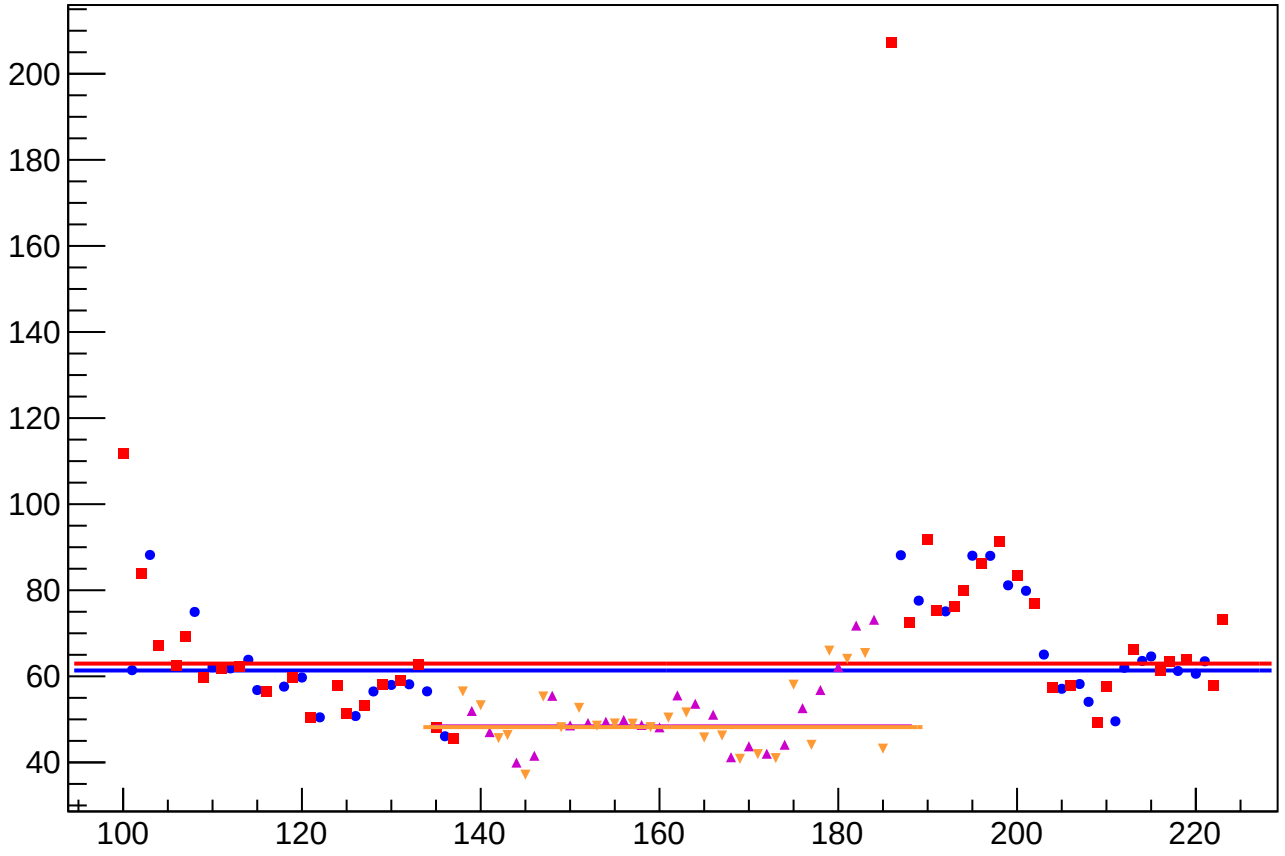
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign 0.909+/-8.533 χ^2/NDF: 88.6/58

All: -9.956+/-6.104 χ^2/NDF: 226.5/120

- sign -21.341+/-8.734 χ^2/NDF: 134.6/61

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.357+/-0.009 χ^2/NDF: 1223423.1/33

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

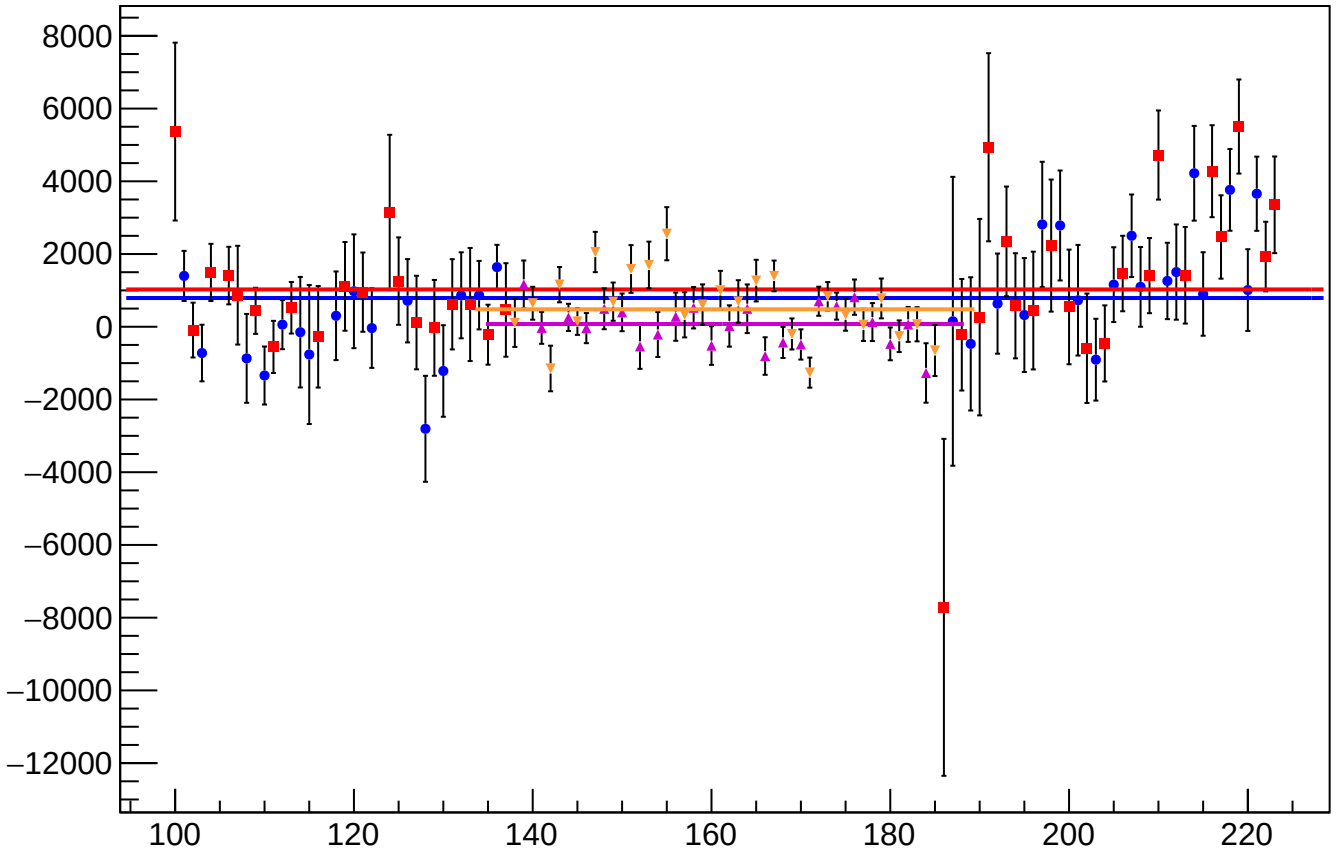
Right Out: 62.957+/-0.010 χ^2/NDF: 1687553.4/38

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.608+/-0.006 χ^2/NDF: 3155203.1/58

All: 54.047+/-0.004 χ^2/NDF: 6906049.7/120

- sign 54.506+/-0.006 χ^2/NDF: 3740034.8/61



Right In: 790.038+/-187.594 χ^2/NDF: 57.9/33

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 1026.853+/-181.903 χ^2/NDF: 62.8/38

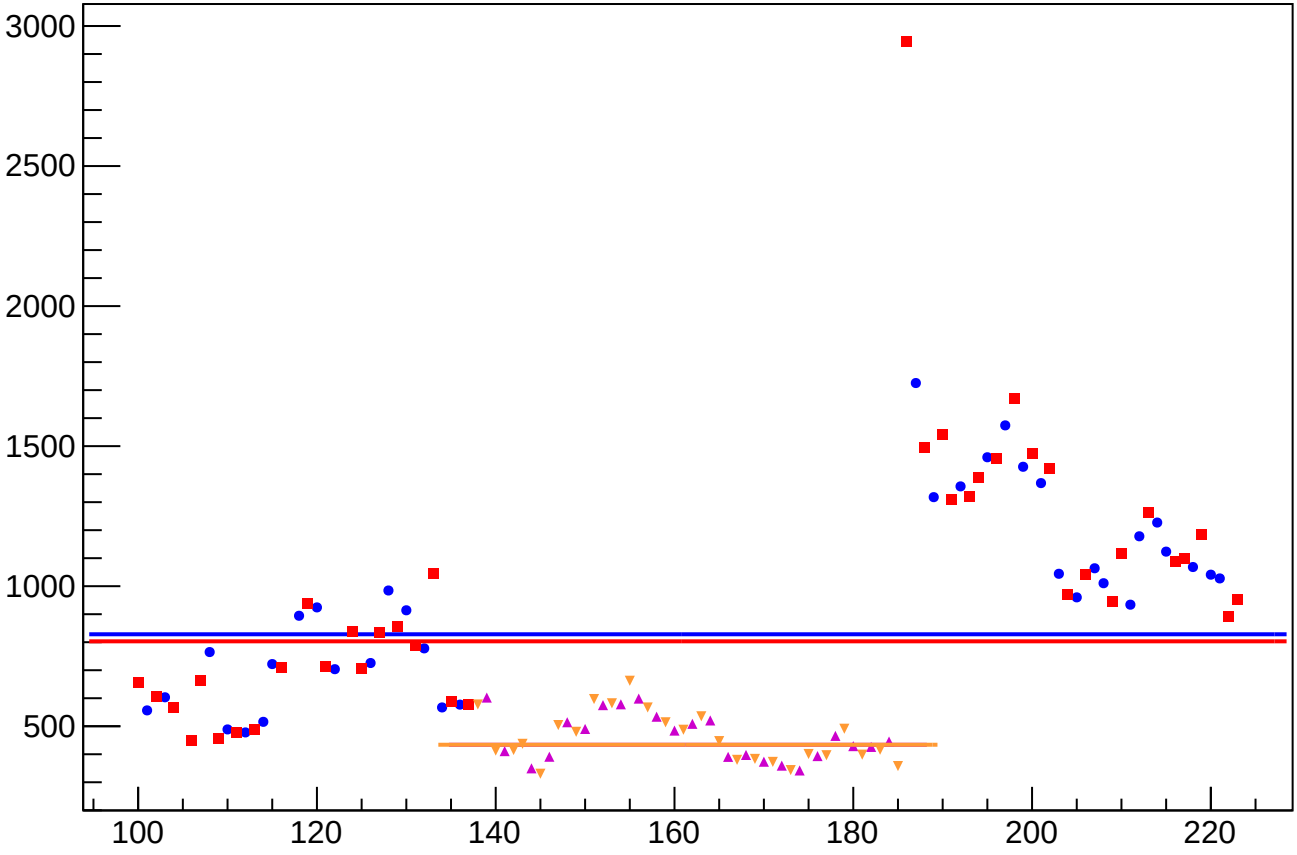
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 549.334+/-88.606 χ^2/NDF: 129.3/58

All: 429.687+/-63.042 χ^2/NDF: 240.9/120

- sign 307.030+/-89.713 χ^2/NDF: 107.9/61

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 828.342+/-0.133 χ^2/NDF: 4831511.9/33

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

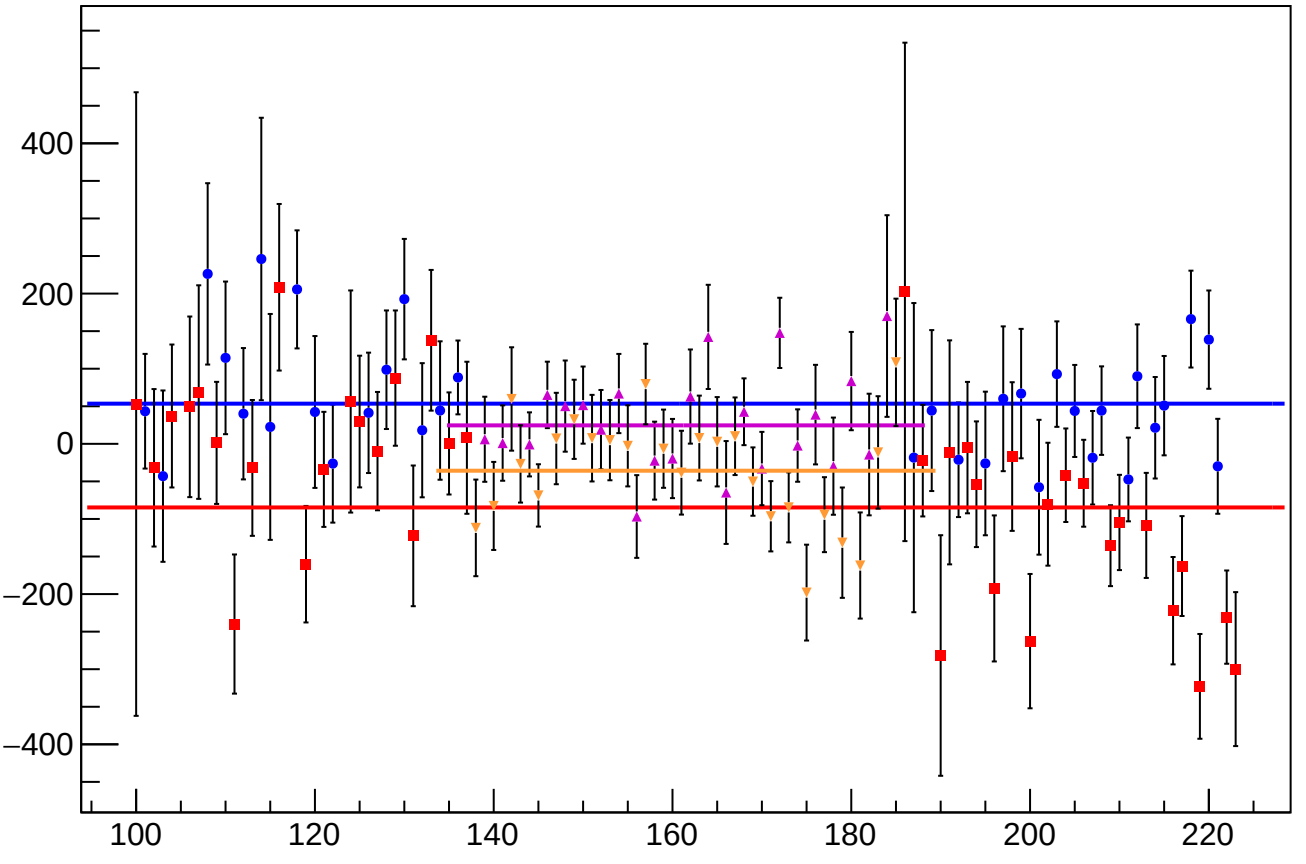
Right Out: 803.151+/-0.129 χ^2/NDF: 6582911.5/38

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 521.932+/-0.063 χ^2/NDF: 12943220.1/58

All: 522.747+/-0.045 χ^2/NDF: 26863969.1/12

- sign 523.582+/-0.063 χ^2/NDF: 13920406.9/61



Right In: 53.474+/-13.308 χ^2/NDF: 28.4/33

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -84.678+/-13.477 χ^2/NDF: 70.9/38

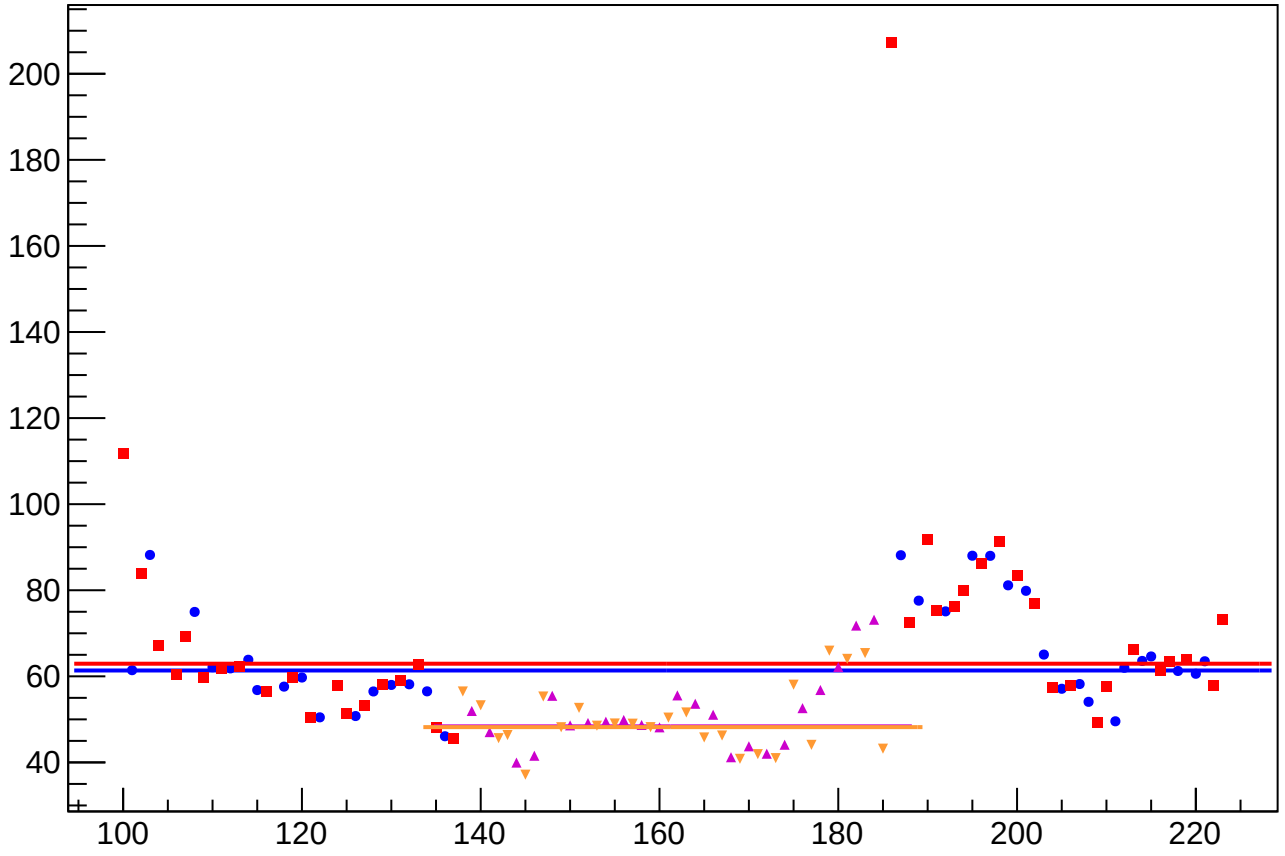
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign 0.907+/-8.533 χ^2/NDF: 88.6/58

All: -9.948+/-6.104 χ^2/NDF: 226.6/120

- sign -21.323+/-8.735 χ^2/NDF: 134.7/61

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.357+/-0.009 χ^2/NDF: 1223426.5/33

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

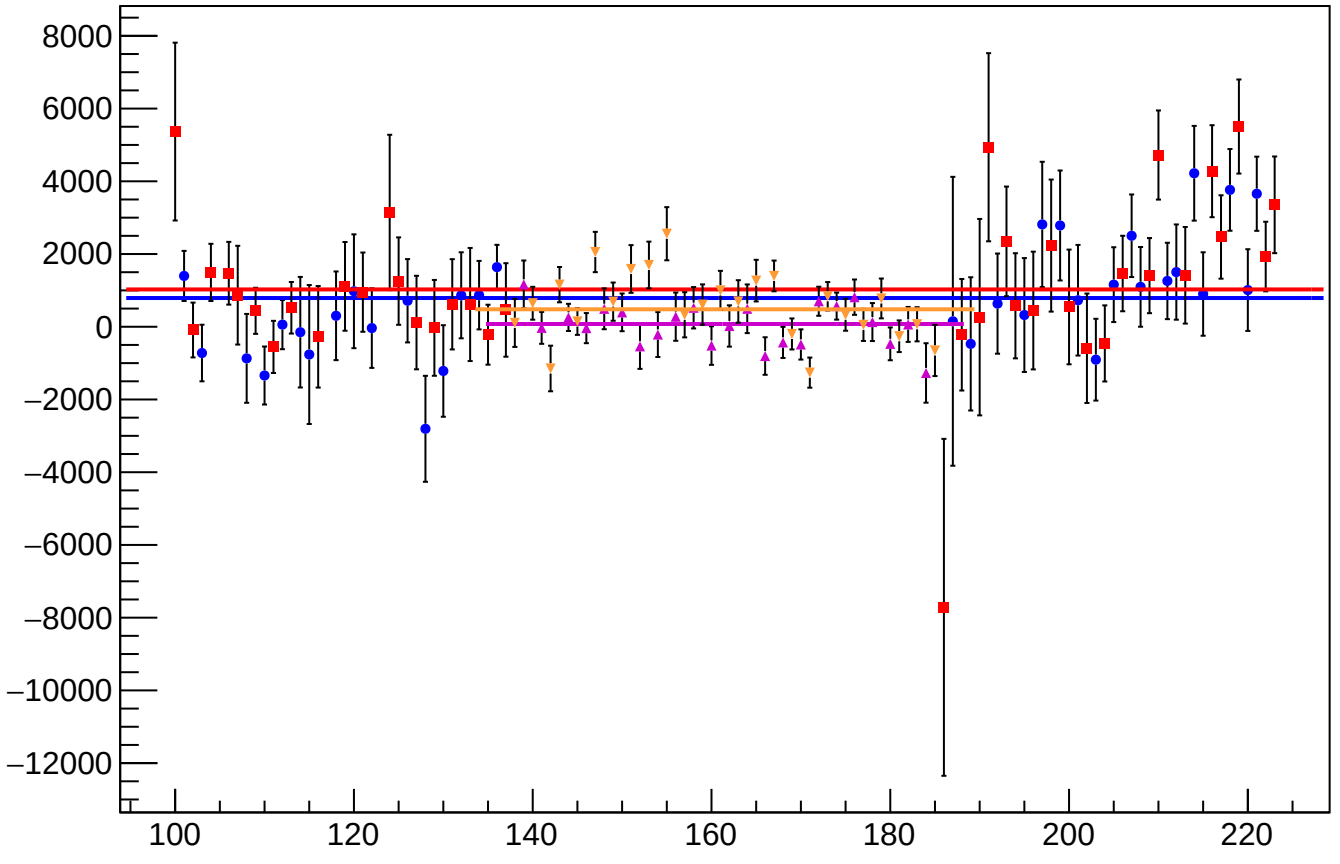
Right Out: 62.932+/-0.010 χ^2/NDF: 1688610.3/38

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.608+/-0.006 χ^2/NDF: 3155207.0/58

All: 54.040+/-0.004 χ^2/NDF: 6901759.1/120

- sign 54.494+/-0.006 χ^2/NDF: 3736035.4/61



Right In: 790.065+/-187.594 χ^2/NDF: 57.9/33

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 1026.716+/-182.675 χ^2/NDF: 62.8/38

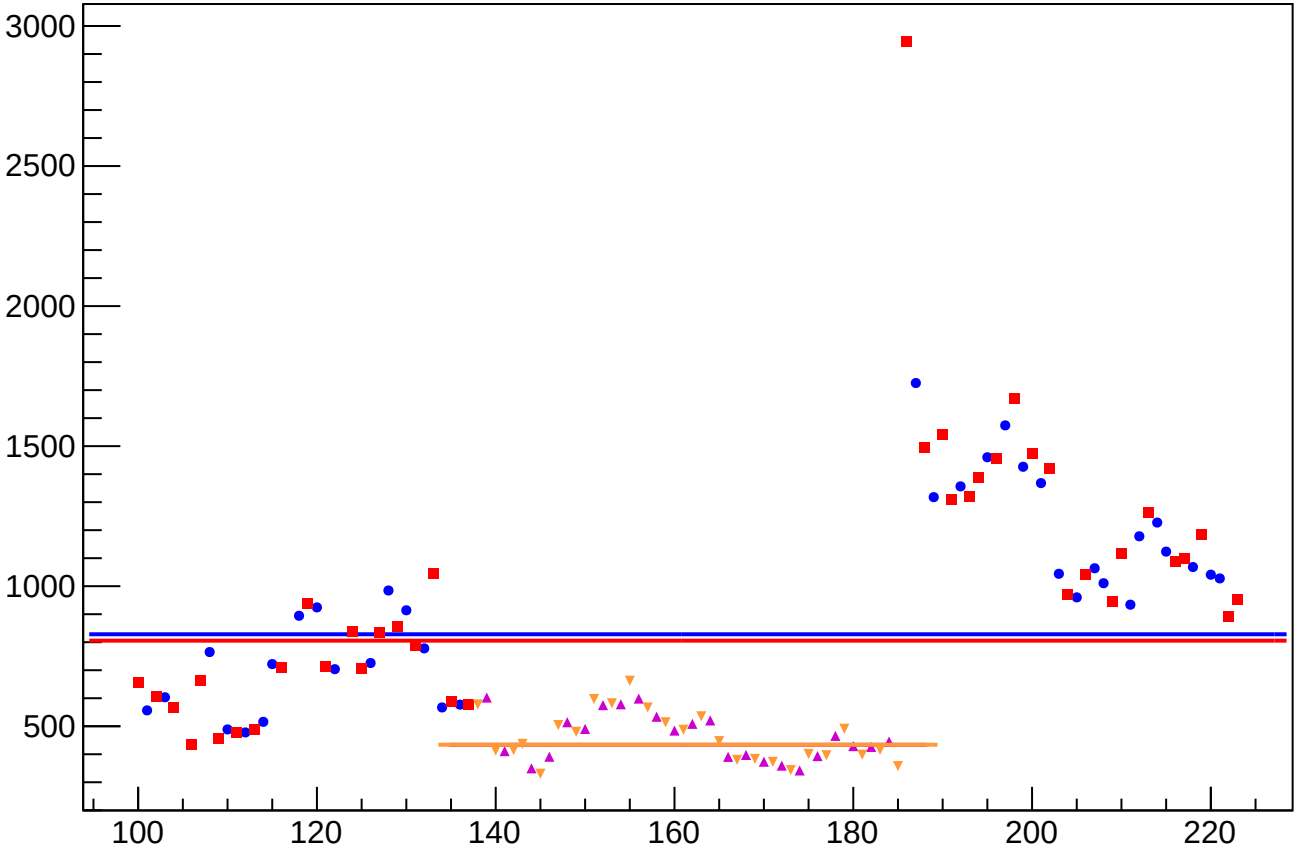
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 549.336+/-88.606 χ^2/NDF: 129.3/58

All: 429.067+/-63.074 χ^2/NDF: 240.8/120

- sign 305.518+/-89.806 χ^2/NDF: 107.8/61

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 828.347+/-0.133 χ^2/NDF: 4831419.8/33

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

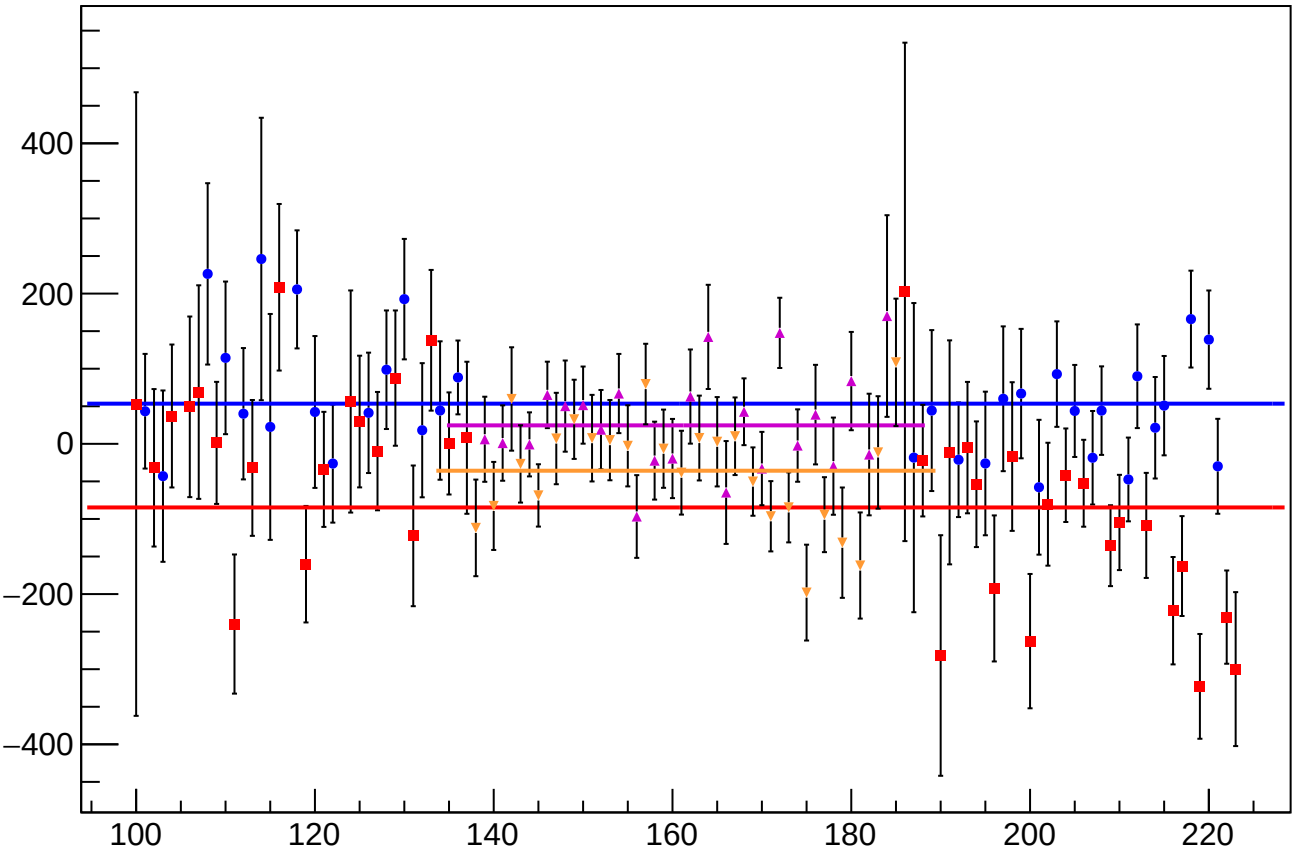
Right Out: 805.594+/-0.129 χ^2/NDF: 6543640.6/38

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 521.933+/-0.063 χ^2/NDF: 12943240.9/58

All: 522.754+/-0.045 χ^2/NDF: 26867075.6/12

- sign 523.597+/-0.064 χ^2/NDF: 13923486.6/61



Right In: 53.474+/-13.308 χ^2/NDF: 28.4/33

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -84.678+/-13.477 χ^2/NDF: 70.9/38

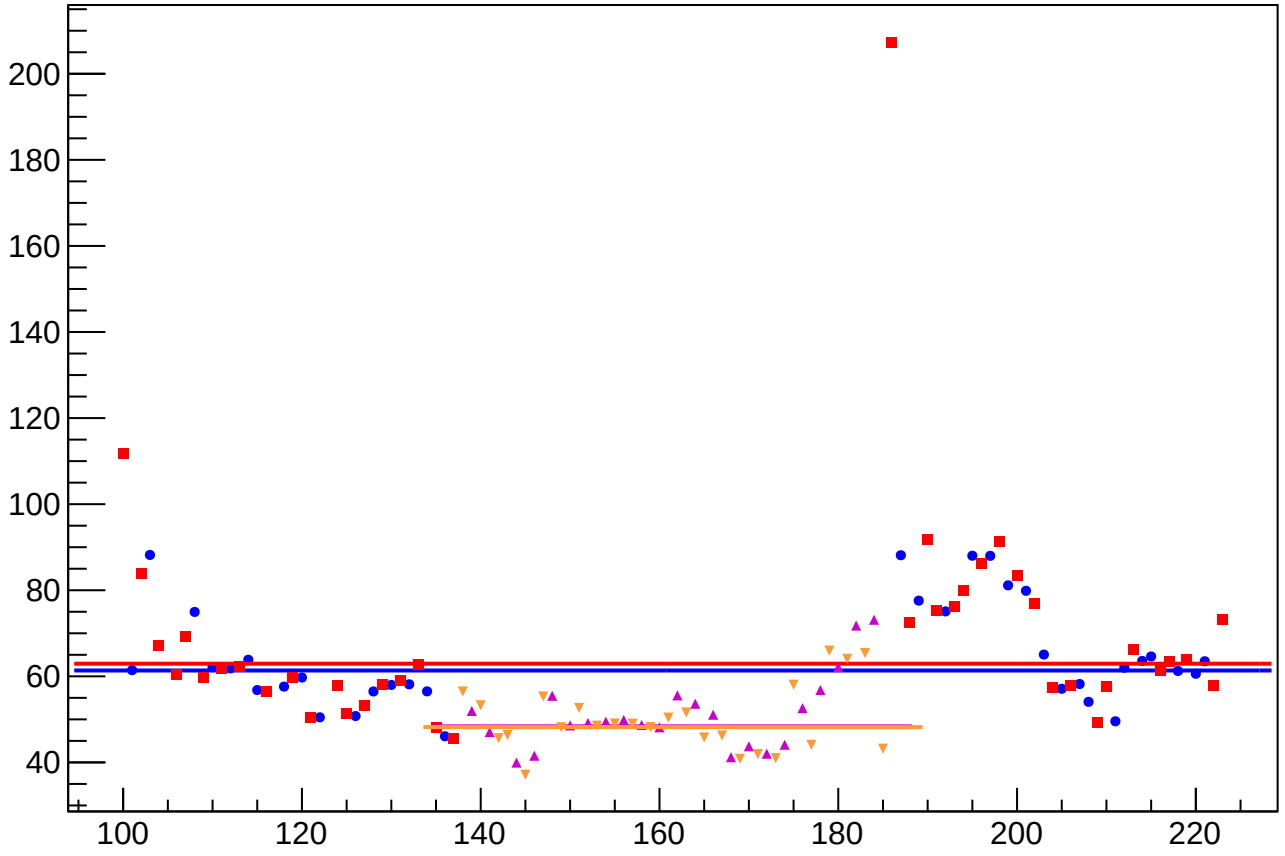
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign 0.907+/-8.533 χ^2/NDF: 88.6/58

All: -9.948+/-6.104 χ^2/NDF: 226.6/120

- sign -21.323+/-8.735 χ^2/NDF: 134.7/61

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.357+/-0.009 χ^2/NDF: 1223426.5/33

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

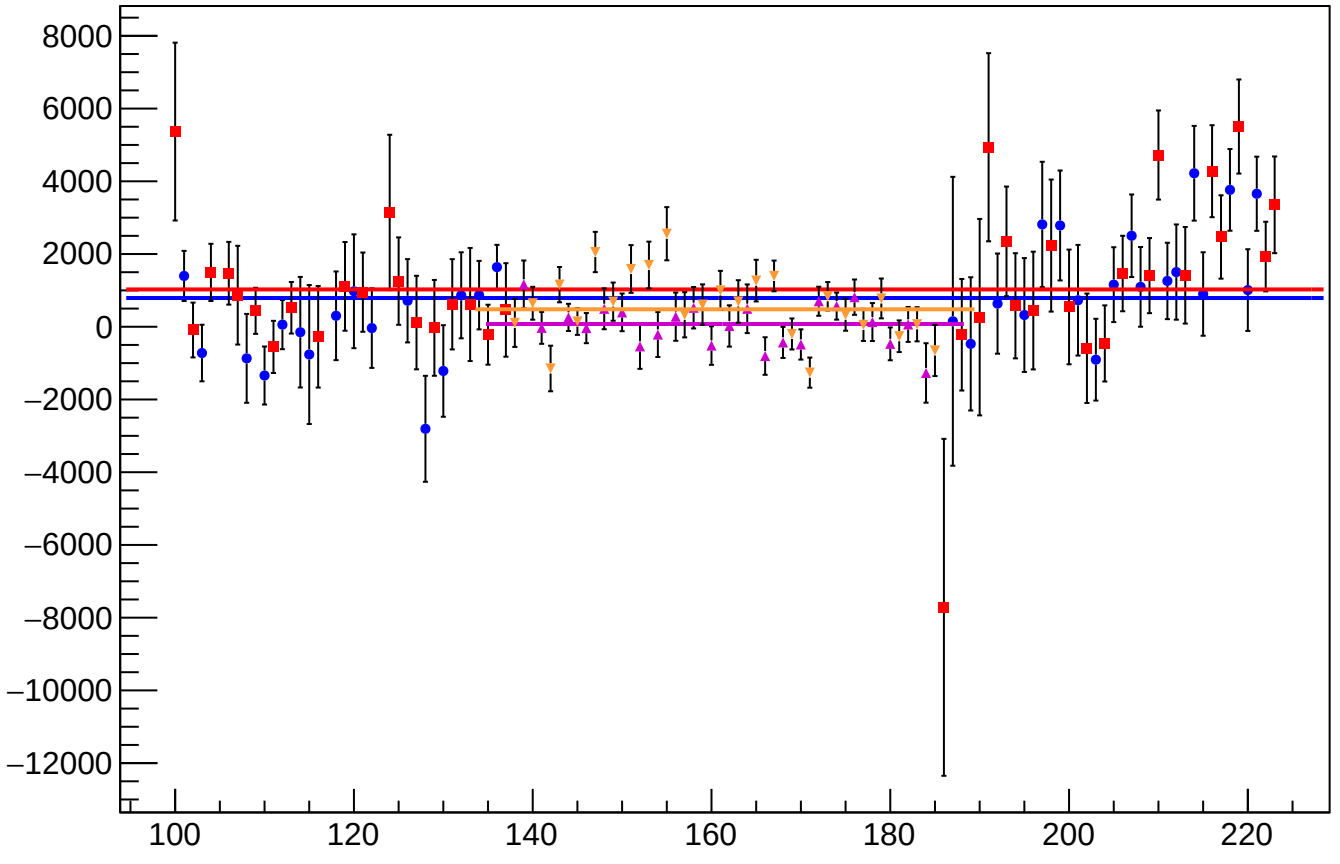
Right Out: 62.932+/-0.010 χ^2/NDF: 1688610.3/38

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.608+/-0.006 χ^2/NDF: 3155207.0/58

All: 54.040+/-0.004 χ^2/NDF: 6901759.1/120

- sign 54.494+/-0.006 χ^2/NDF: 3736035.4/61



Right In: 790.065+/-187.594 χ^2/NDF: 57.9/33

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

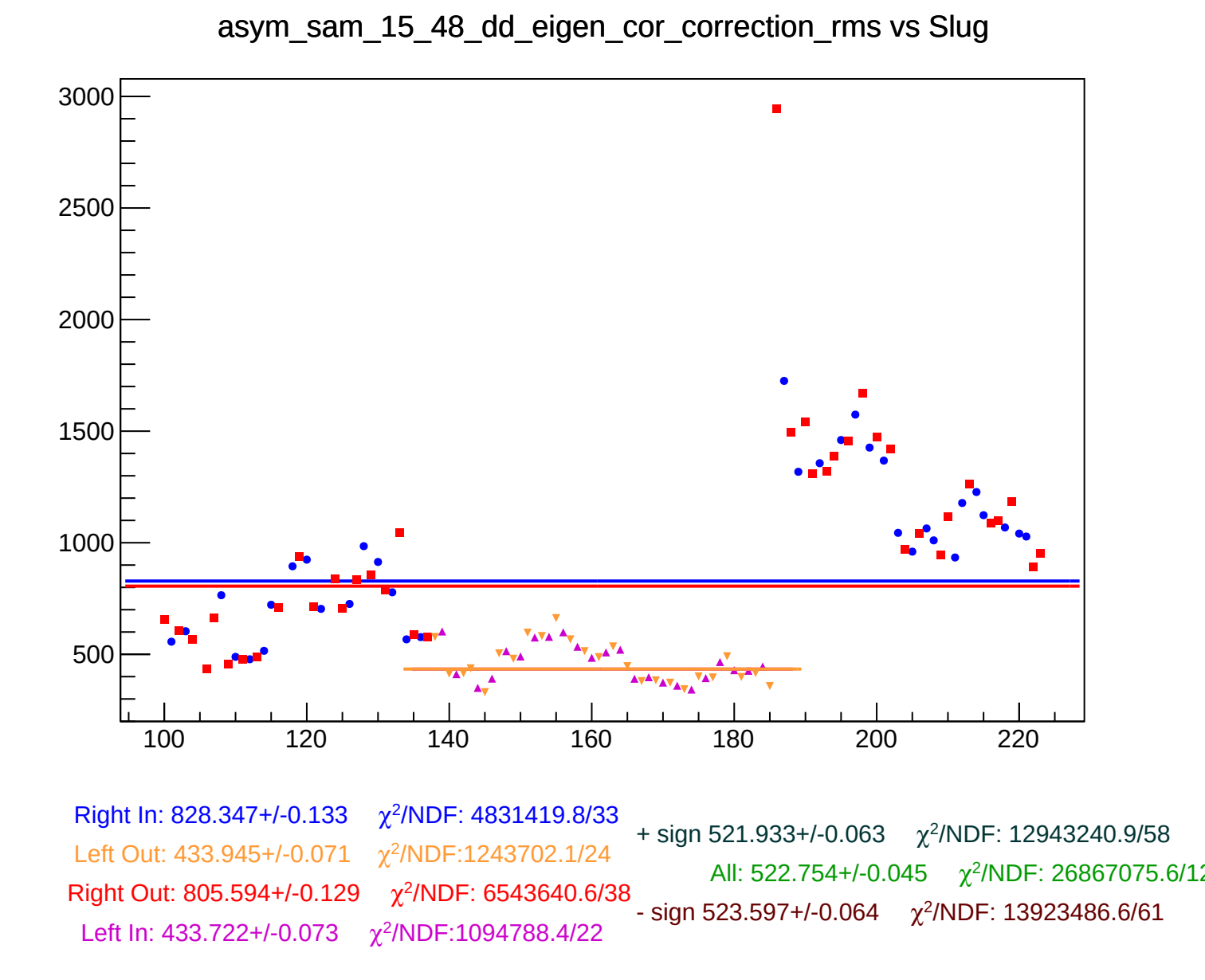
Right Out: 1026.716+/-182.675 χ^2/NDF: 62.8/38

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

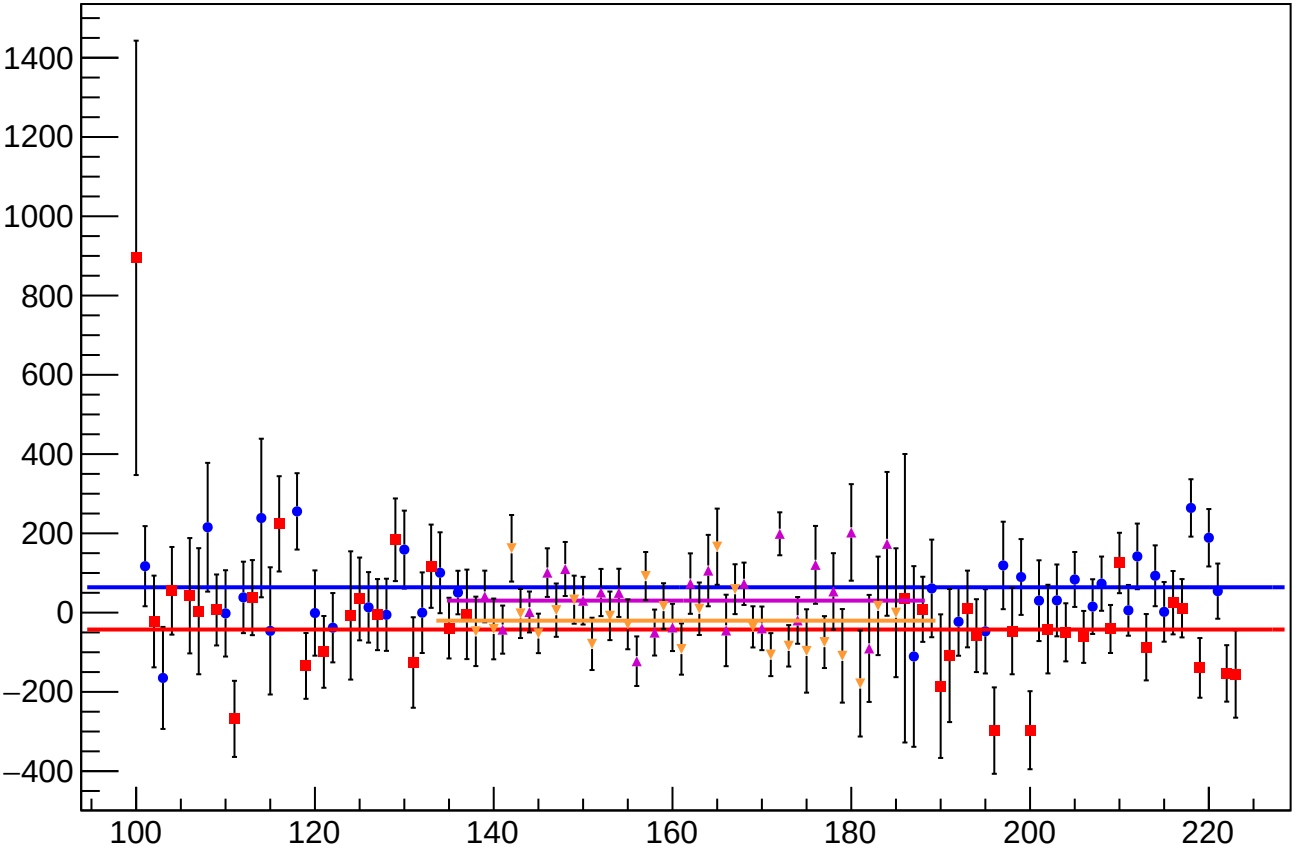
+ sign 549.336+/-88.606 χ^2/NDF: 129.3/58

All: 429.067+/-63.074 χ^2/NDF: 240.8/120

- sign 305.518+/-89.806 χ^2/NDF: 107.8/61


asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 828.347+/-0.133 χ²/NDF: 4831419.8/33
Left Out: 433.945+/-0.071 χ²/NDF:1243702.1/24
Right Out: 805.594+/-0.129 χ²/NDF: 6543640.6/38
Left In: 433.722+/-0.073 χ²/NDF:1094788.4/22
+ sign 521.933+/-0.063 χ²/NDF: 12943240.9/58
All: 522.754+/-0.045 χ²/NDF: 26867075.6/12
- sign 523.597+/-0.064 χ²/NDF: 13923486.6/61

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 63.956+/-15.178 χ^2/NDF: 31.1/33

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -42.646+/-15.265 χ^2/NDF: 50.9/38

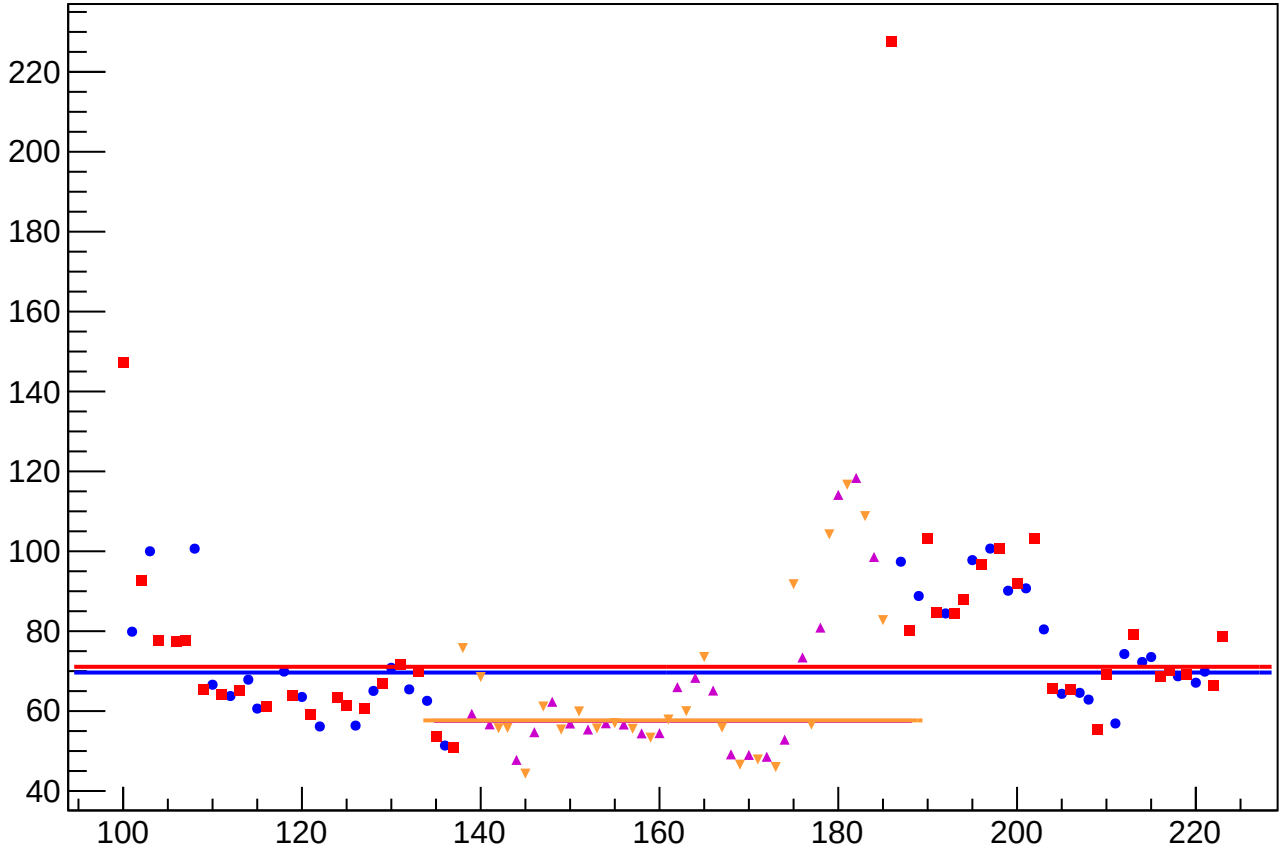
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 17.350+/-10.144 χ^2/NDF: 73.3/58

All: 7.359+/-7.231 χ^2/NDF: 171.2/120

- sign -2.961+/-10.309 χ^2/NDF: 95.9/61

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.649+/-0.011 χ^2/NDF: 1339278.7/33

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

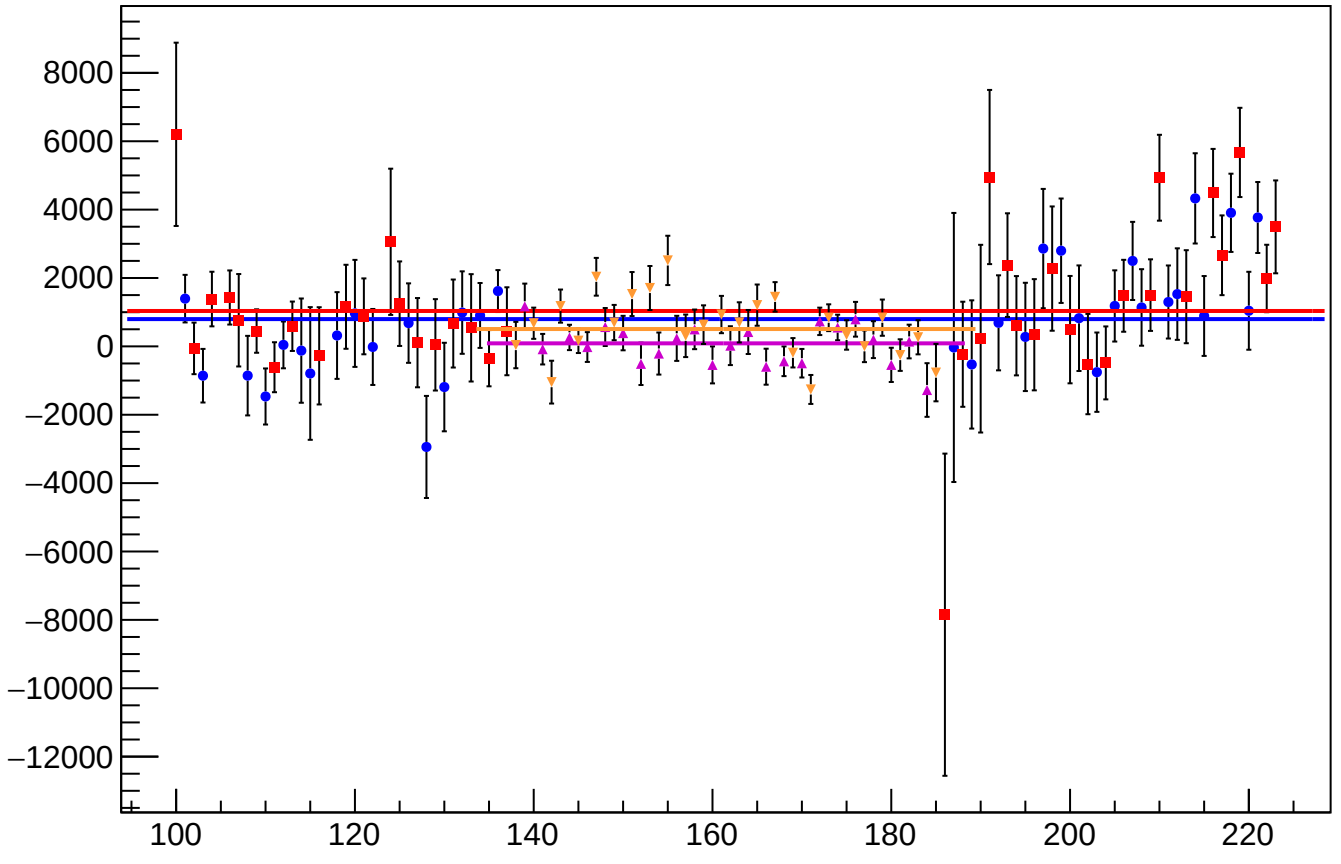
Right Out: 71.086+/-0.011 χ^2/NDF: 1720358.1/38

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 63.019+/-0.007 χ^2/NDF: 3938589.4/58

All: 63.363+/-0.005 χ^2/NDF: 7963499.8/120

- sign 63.718+/-0.007 χ^2/NDF: 4020246.6/61



Right In: 797.729+/-190.014 χ^2/NDF: 59.6/33

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 1035.205+/-184.008 χ^2/NDF: 66.2/38

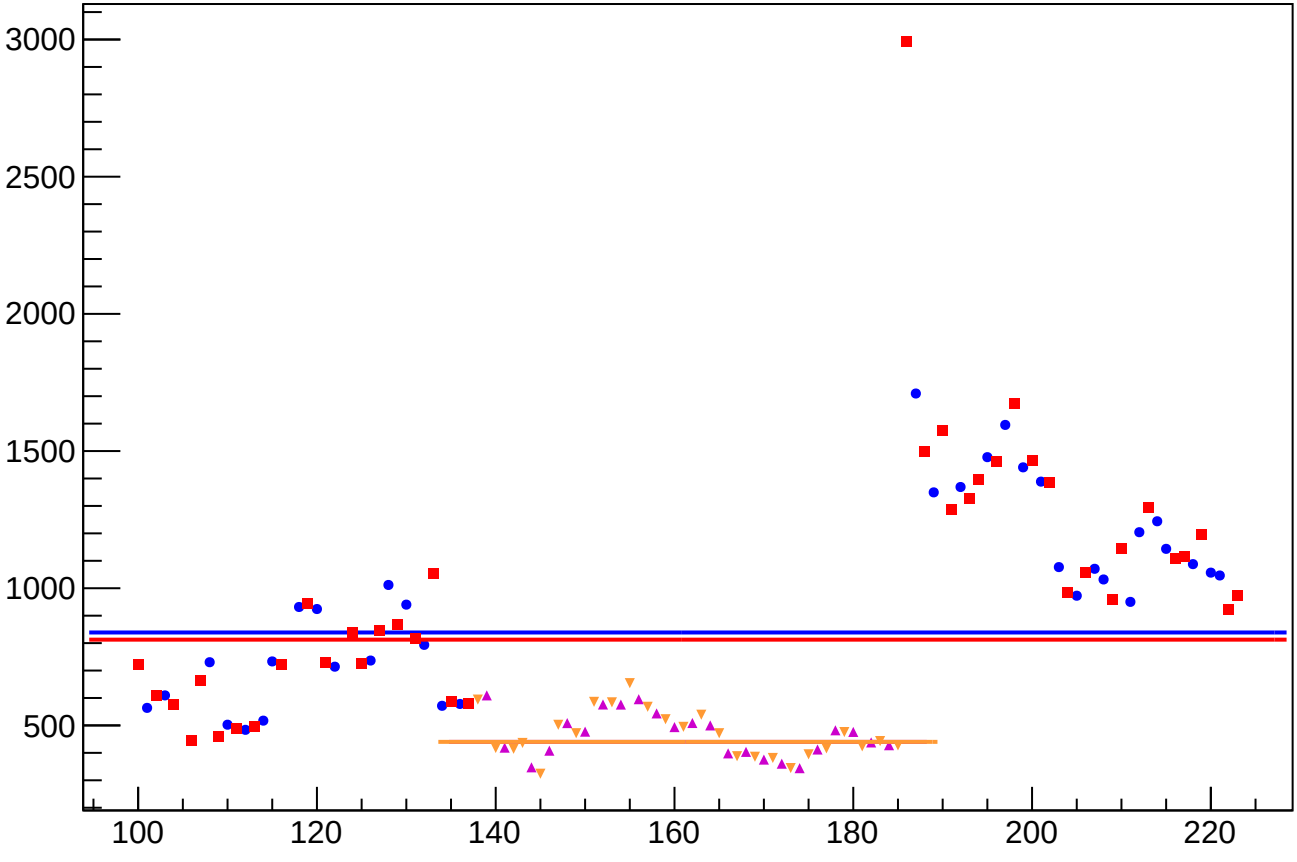
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 571.946+/-89.717 χ^2/NDF: 127.2/58

All: 447.366+/-63.852 χ^2/NDF: 240.6/120

- sign 319.490+/-90.896 χ^2/NDF: 109.5/61

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 838.759+/-0.134 χ^2/NDF: 4893082.0/33

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 812.609+/-0.130 χ^2/NDF: 6576716.5/38

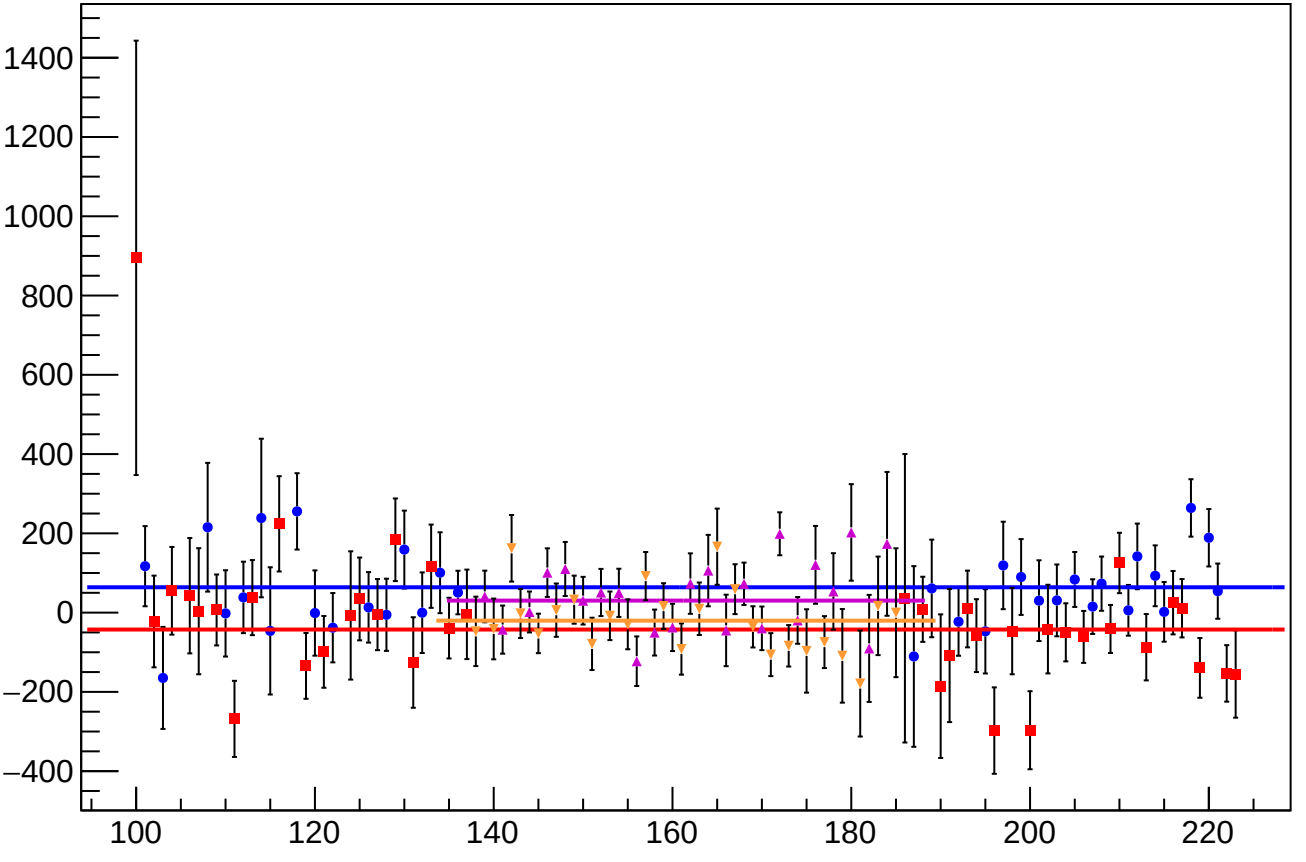
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 528.956+/-0.063 χ^2/NDF: 12931894.4/58

All: 529.881+/-0.045 χ^2/NDF: 26774827.1/12

- sign 530.830+/-0.064 χ^2/NDF: 13842502.2/61

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 63.954+/-15.178 χ^2/NDF: 31.1/33

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -42.647+/-15.265 χ^2/NDF: 50.9/38

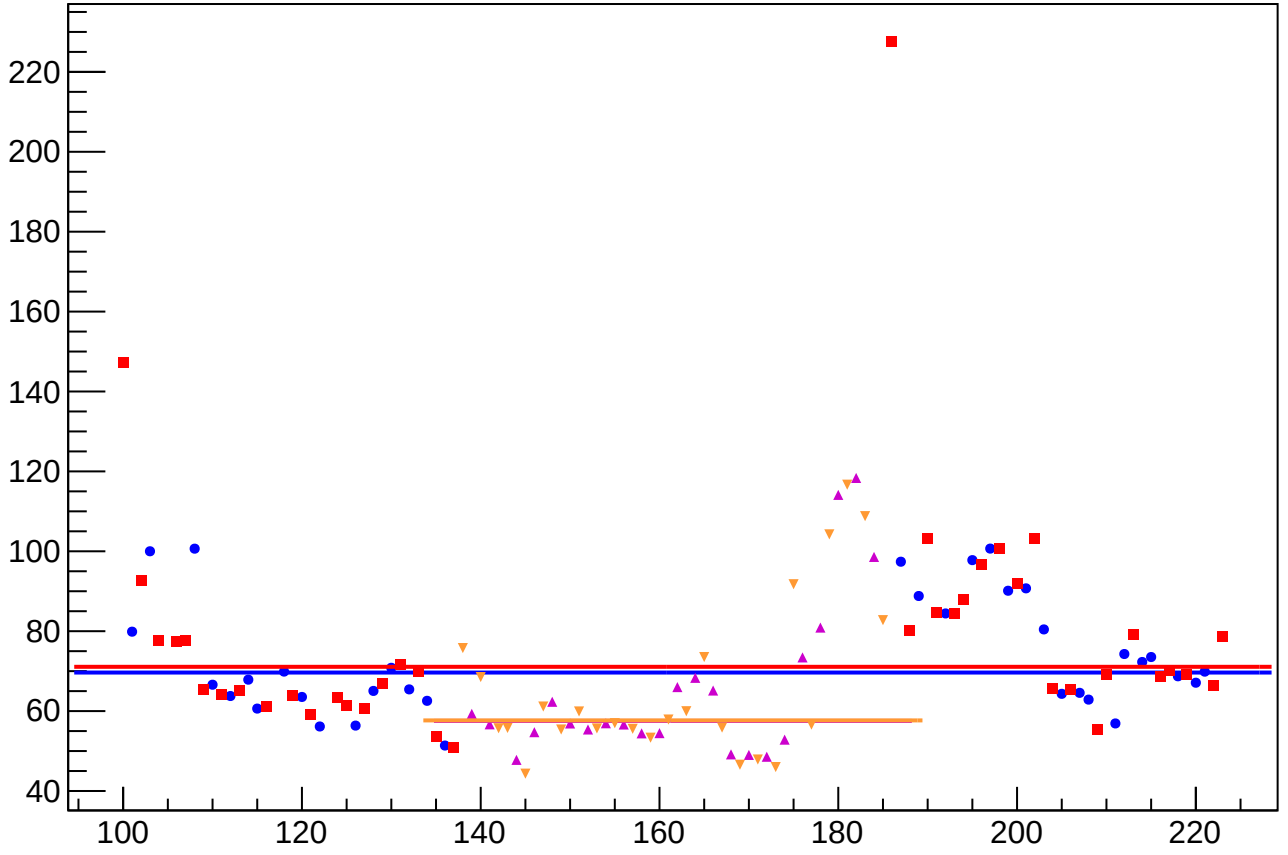
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 17.348+/-10.144 χ^2/NDF: 73.3/58

All: 7.358+/-7.231 χ^2/NDF: 171.2/120

- sign -2.962+/-10.309 χ^2/NDF: 95.9/61

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.649+/-0.011 χ^2/NDF: 1339252.3/33

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

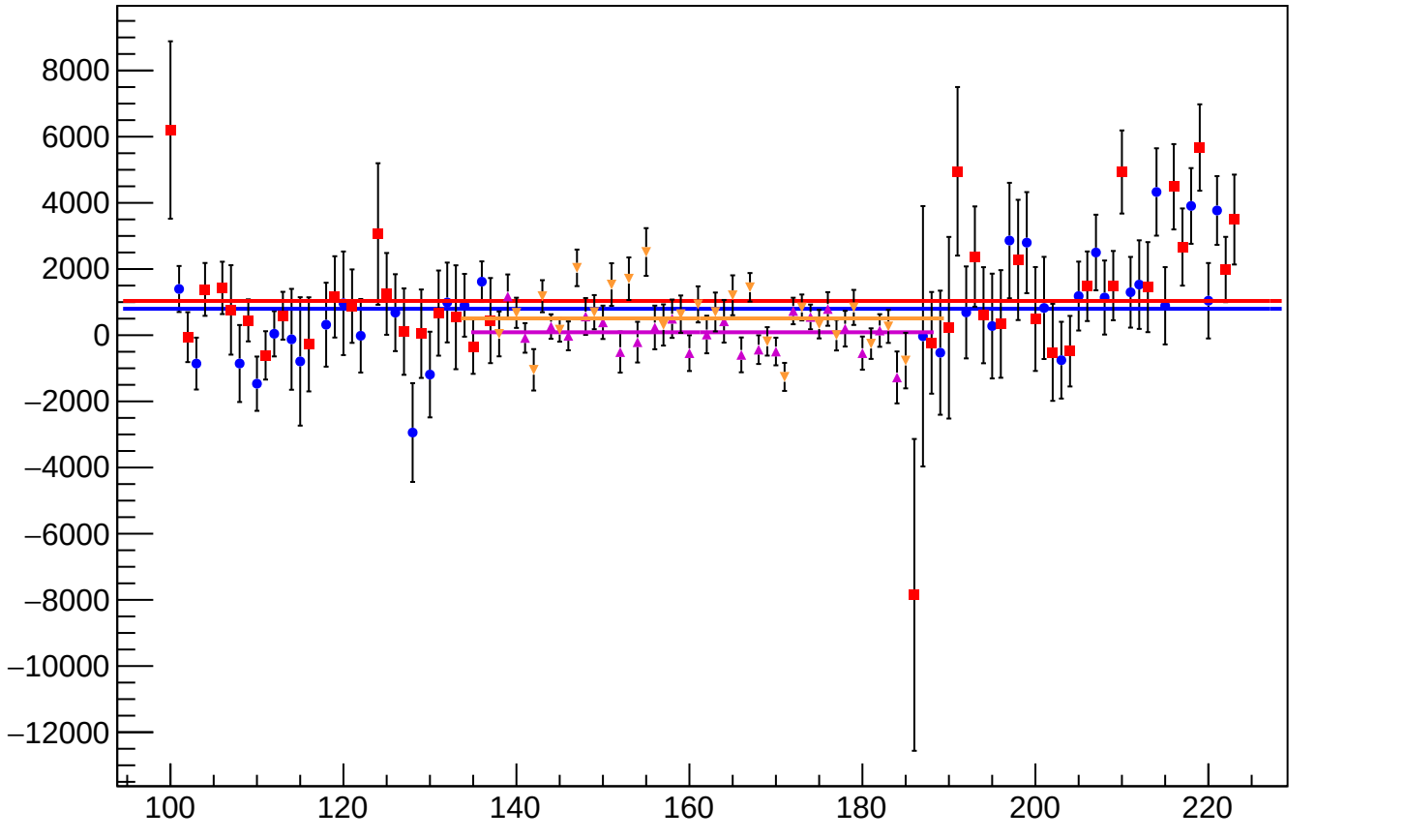
Right Out: 71.085+/-0.011 χ^2/NDF: 1720363.8/38

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

\+ sign 63.019+/-0.007 χ^2/NDF: 3938537.3/58

All: 63.363+/-0.005 χ^2/NDF: 7963422.2/120

\- sign 63.718+/-0.007 χ^2/NDF: 4020221.6/61



Right In: 797.727+/-190.014 χ^2/NDF: 59.6/33

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

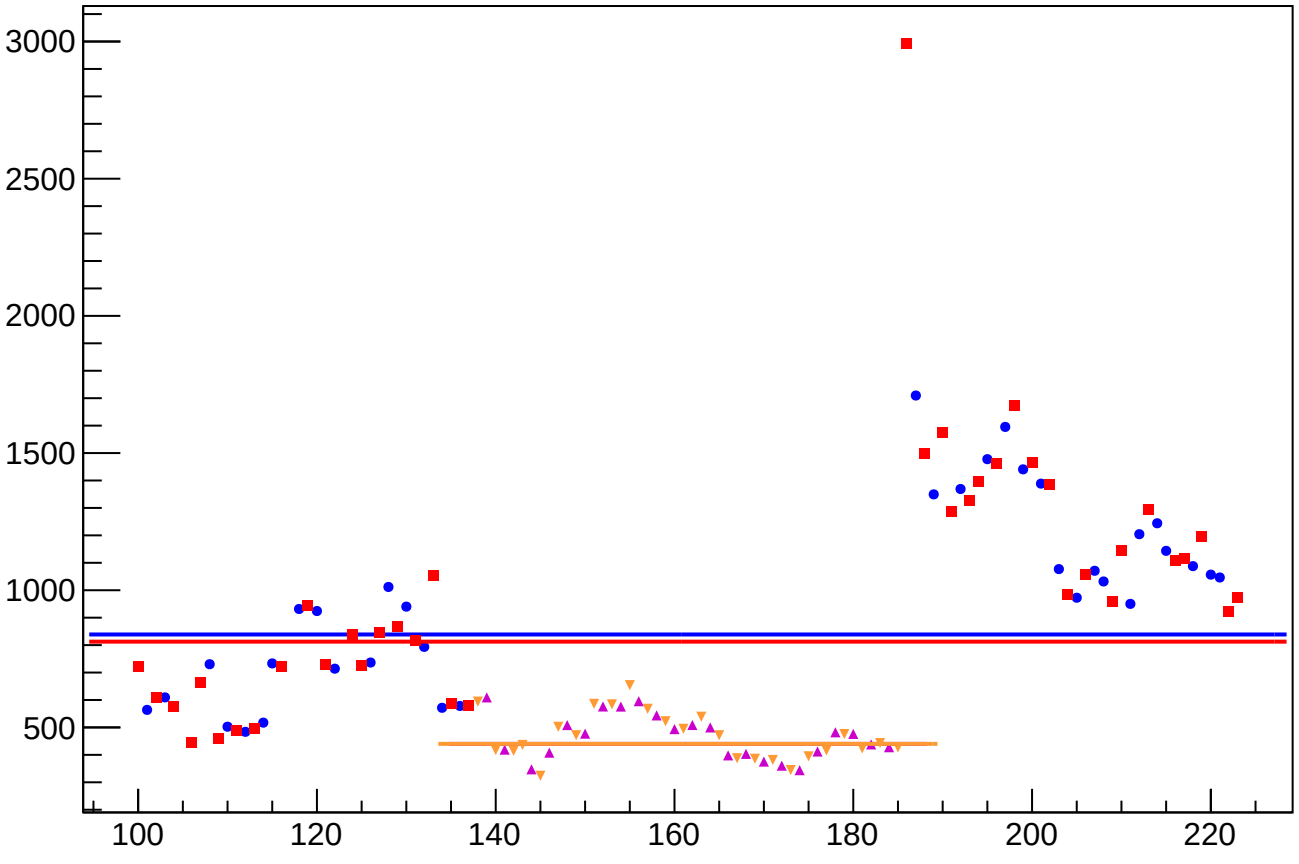
Right Out: 1035.203+/-184.007 χ^2/NDF: 66.2/38

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

\+ sign 571.945+/-89.717 χ^2/NDF: 127.2/58

All: 447.365+/-63.852 χ^2/NDF: 240.6/120

\- sign 319.488+/-90.896 χ^2/NDF: 109.5/61



Right In: 838.758+/-0.134 χ^2/NDF: 4893086.5/33

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 812.608+/-0.130 χ^2/NDF: 6576723.1/38

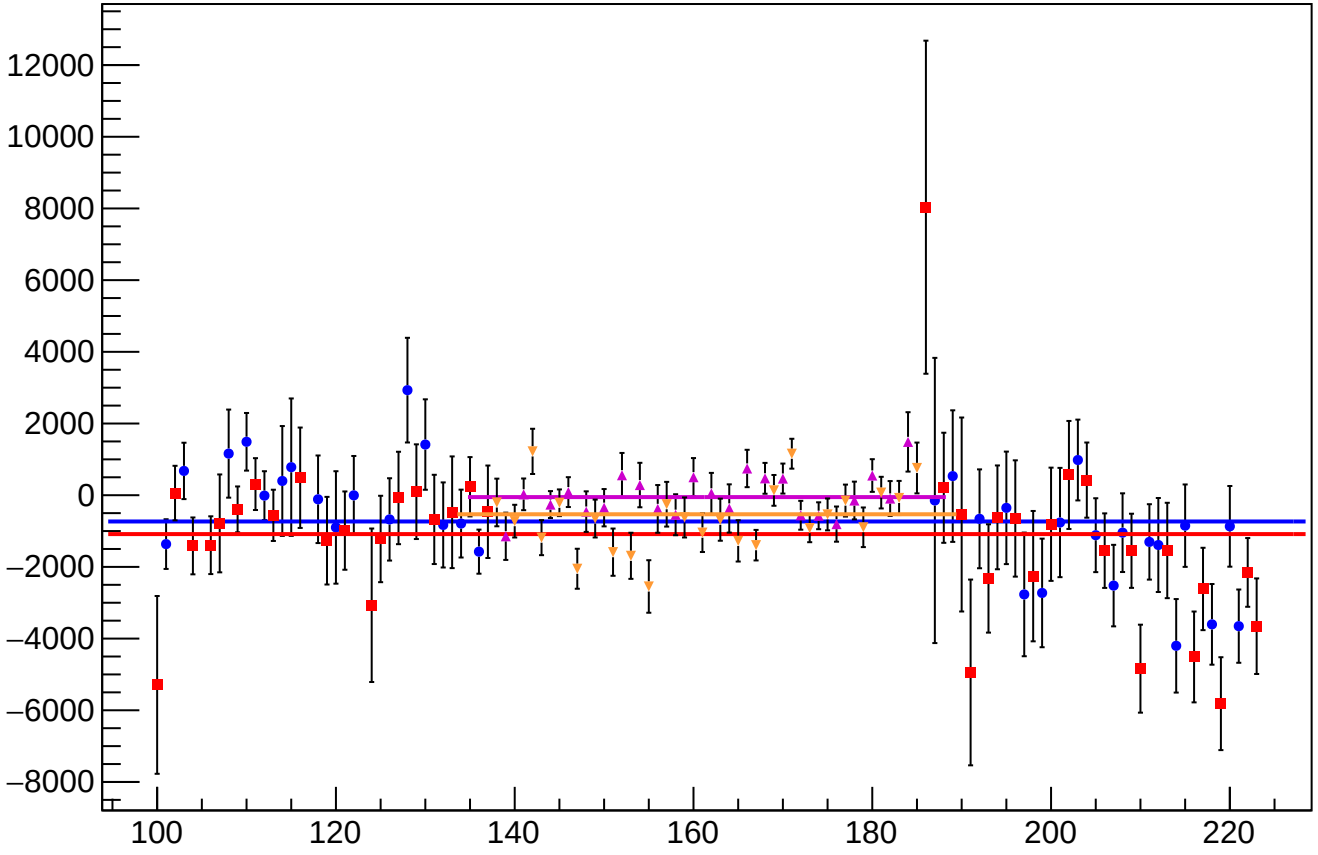
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 528.955+/-0.063 χ^2/NDF: 12931931.1/58

All: 529.879+/-0.045 χ^2/NDF: 26774905.6/12

- sign 530.828+/-0.064 χ^2/NDF: 13842544.1/61

asym_sam_15_48_dd_mean vs Slug



Right In: -732.797+/-188.364 χ^2/NDF: 59.1/33

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -1084.790+/-182.860 χ^2/NDF: 66.2/38

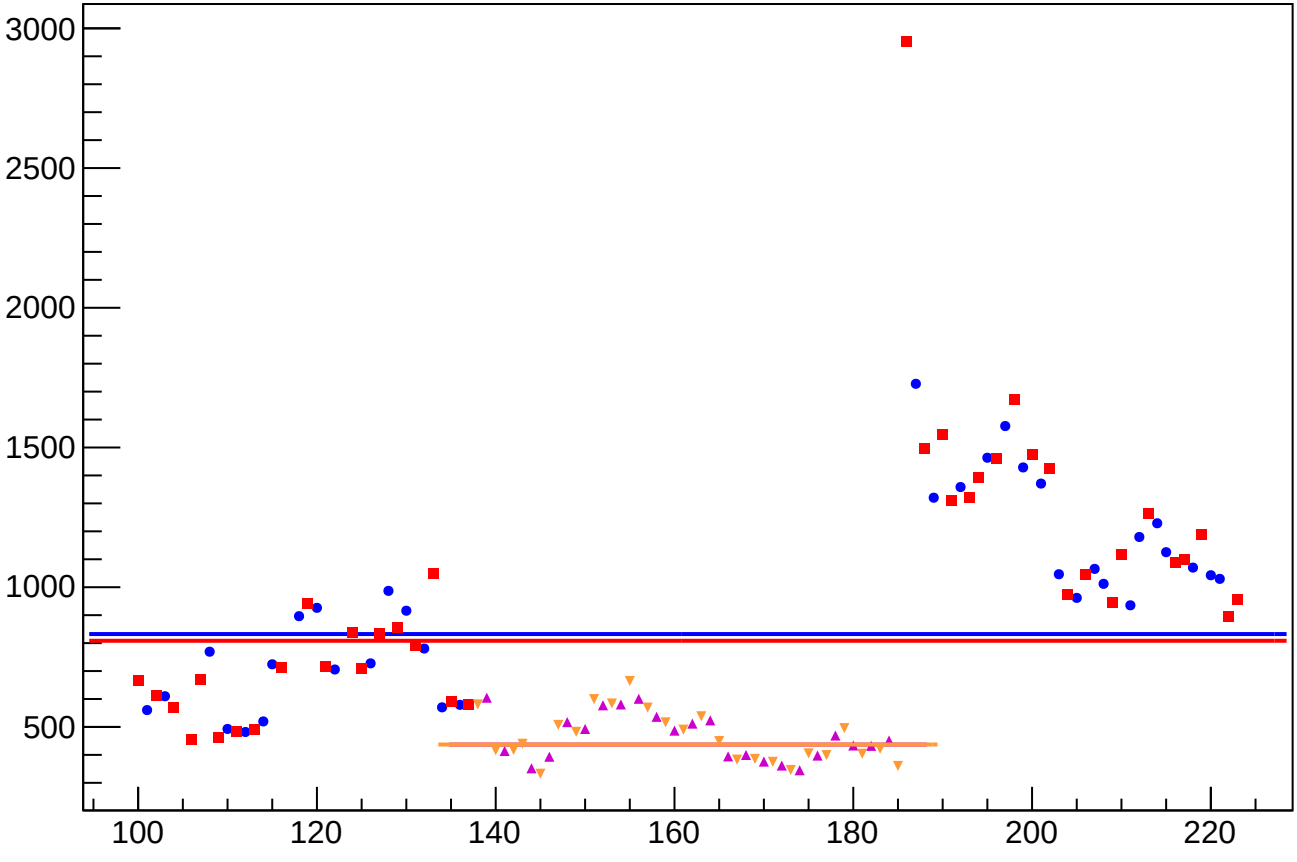
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -576.674+/-89.179 χ^2/NDF: 125.6/58

All: -442.244+/-63.458 χ^2/NDF: 244.5/120

- sign -304.365+/-90.316 χ^2/NDF: 114.4/61

asym_sam_15_48_dd_rms vs Slug



Right In: 832.402+/-0.133 χ^2/NDF: 4771363.8/33

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

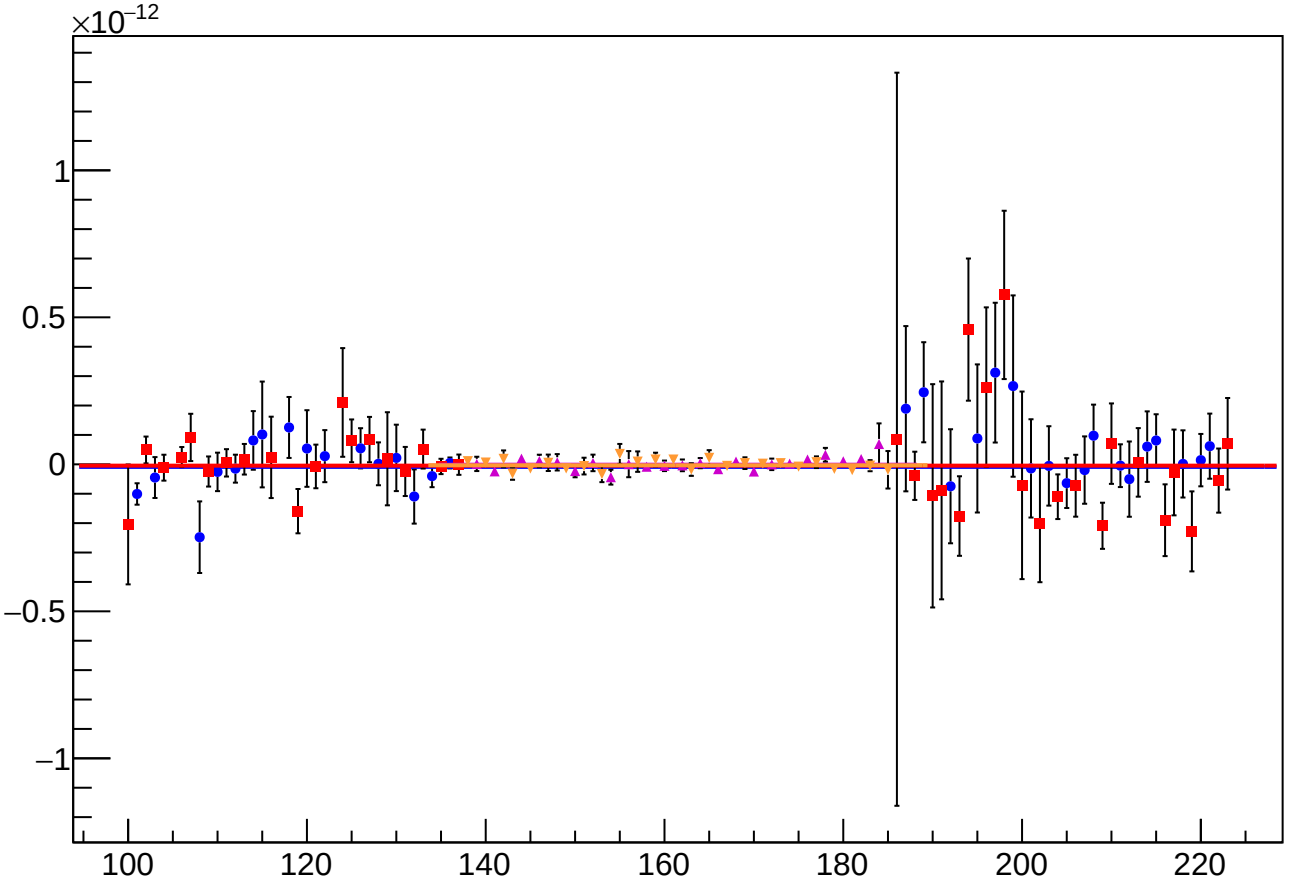
Right Out: 808.370+/-0.129 χ^2/NDF: 6486166.6/38

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 525.750+/-0.063 χ^2/NDF: 12830794.0/58

All: 526.637+/-0.045 χ^2/NDF: 26636263.8/12

- sign 527.547+/-0.064 χ^2/NDF: 13805068.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

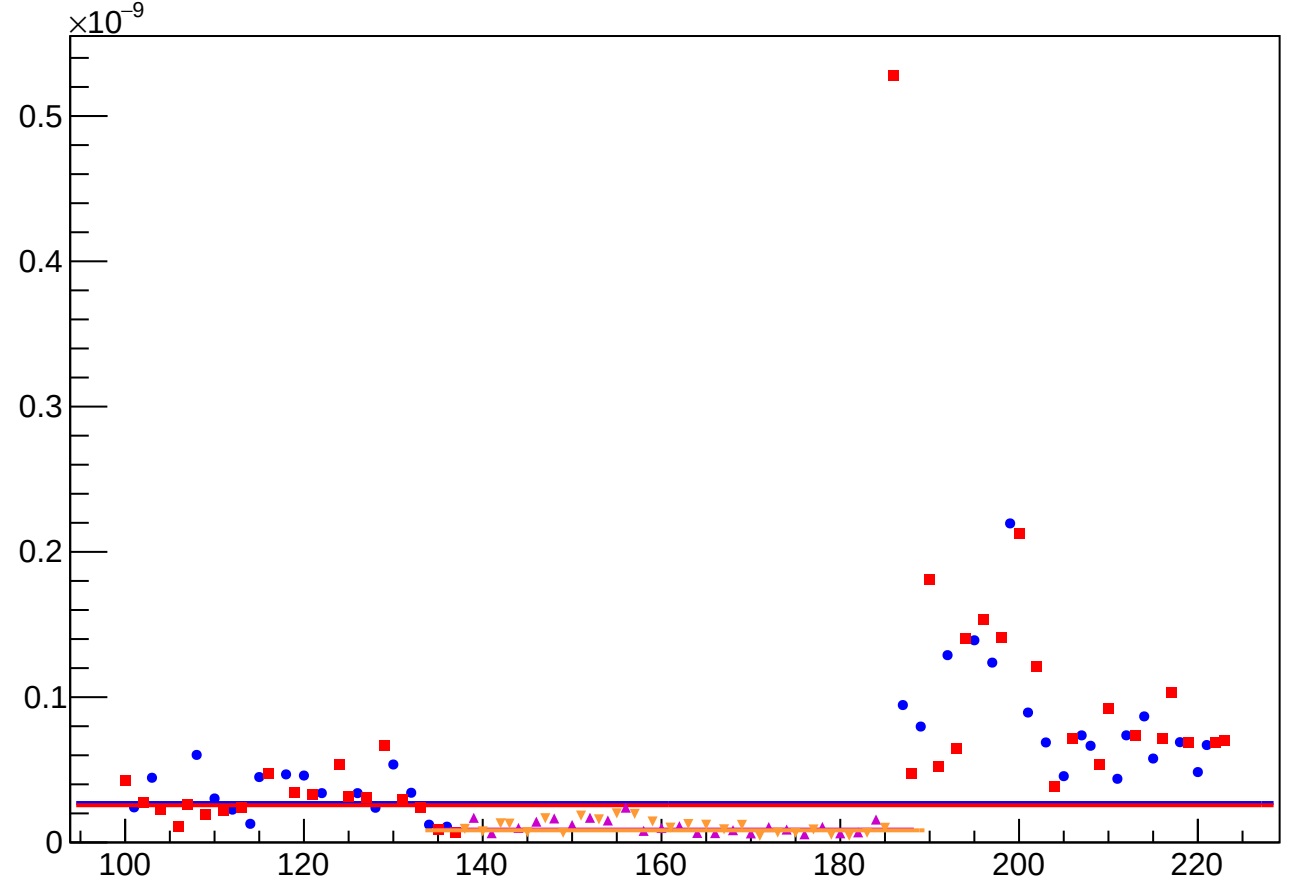
Right Out: -0.000+/-0.000 χ^2/NDF: 40.6/38

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/58

All: -0.000+/-0.000 χ^2/NDF: 103.6/120

- sign -0.000+/-0.000 χ^2/NDF: 62.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 7753034.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8534333.1/38

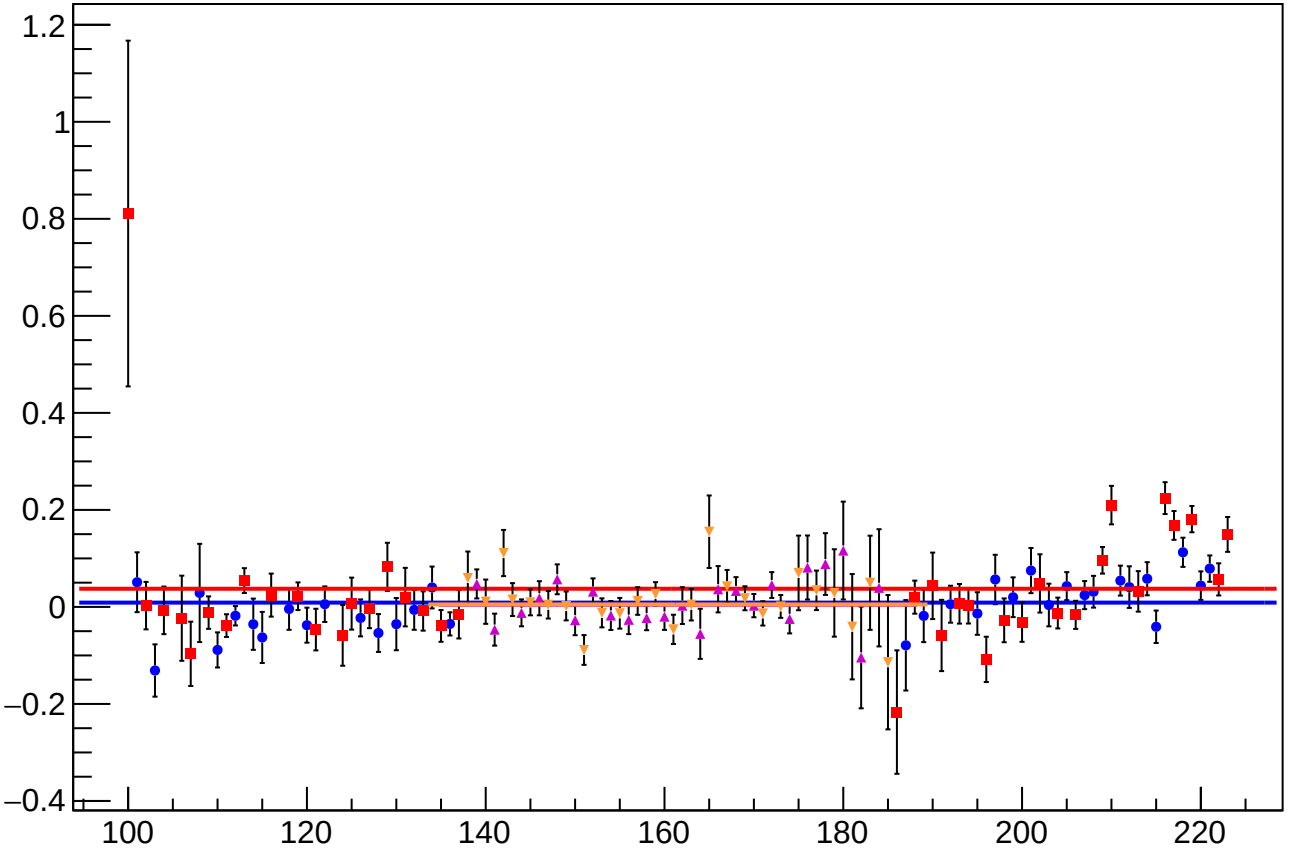
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14839906.2/58

All: 0.000+/-0.000 χ^2/NDF: 29072056.7/120

- sign 0.000+/-0.000 χ^2/NDF: 14204088.3/61

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.006 χ^2/NDF: 62.2/33

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.037+/-0.006 χ^2/NDF: 182.0/38

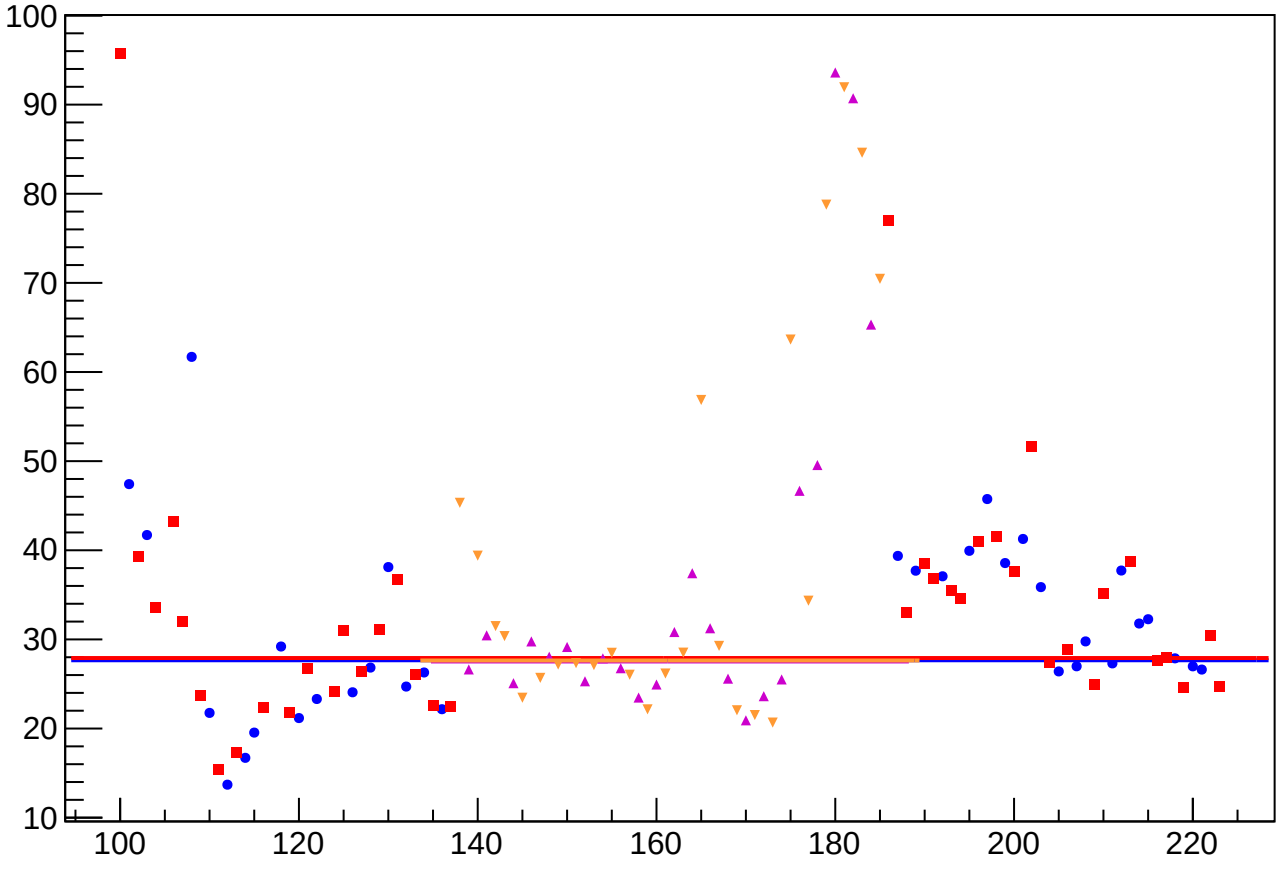
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.005 χ^2/NDF: 90.8/58

All: 0.015+/-0.003 χ^2/NDF: 316.1/120

- sign 0.023+/-0.005 χ^2/NDF: 219.5/61

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.662+/-0.004 χ^2/NDF: 3251892.0/33

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

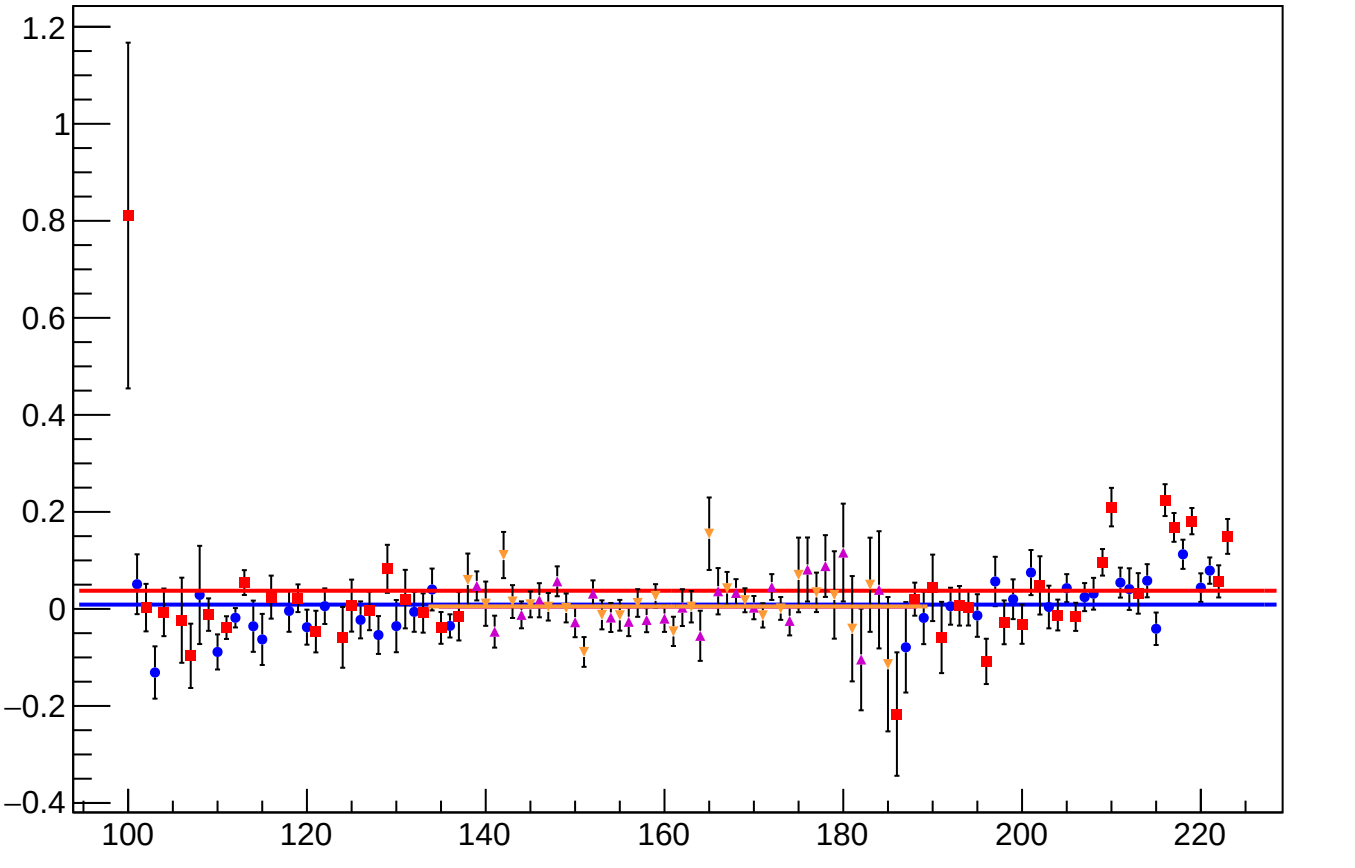
Right Out: 27.910+/-0.004 χ^2/NDF: 3104635.2/38

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.649+/-0.003 χ^2/NDF: 7225993.5/58

All: 27.694+/-0.002 χ^2/NDF: 12968959.6/120

- sign 27.740+/-0.003 χ^2/NDF: 5742587.7/61



Right In: 0.009+/-0.006 χ^2/NDF: 62.2/33

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

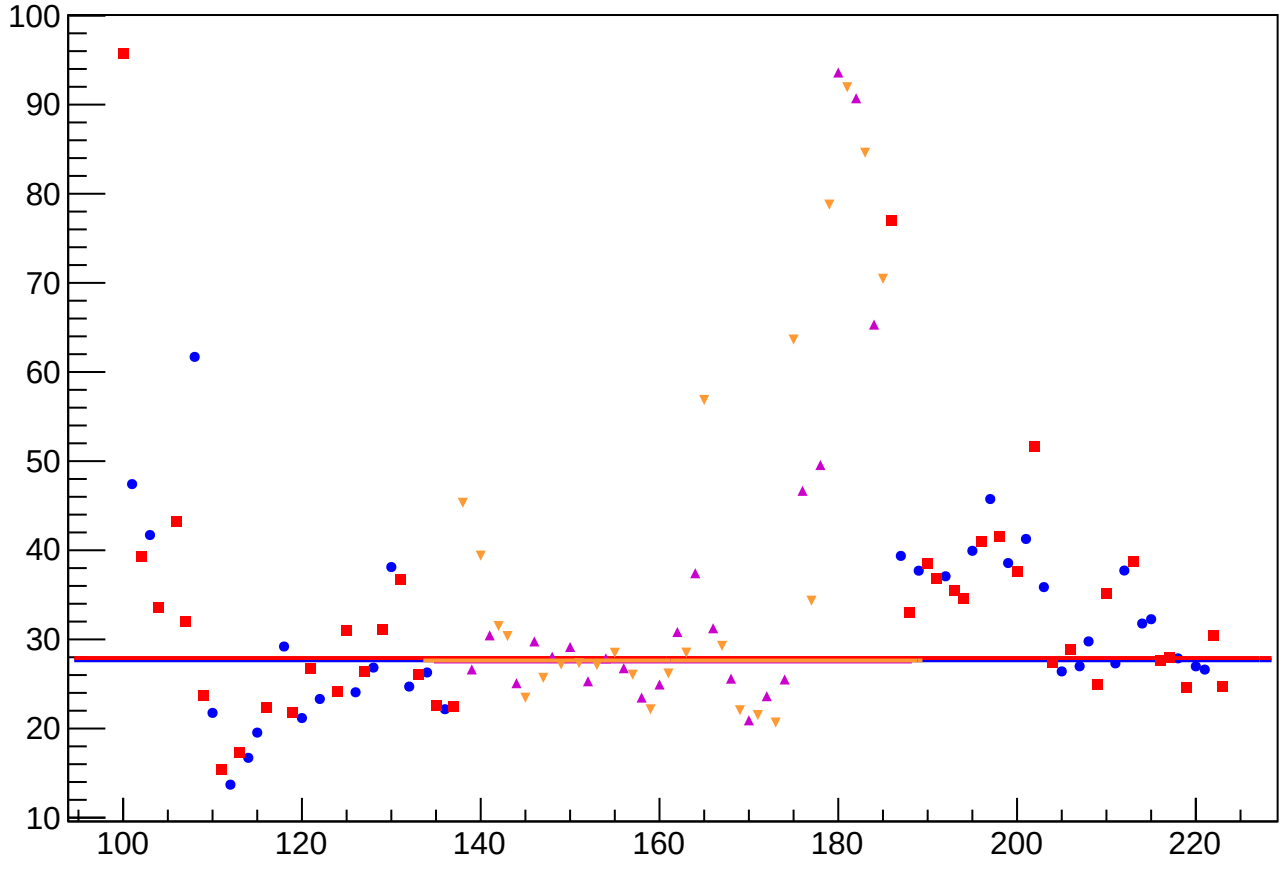
Right Out: 0.037+/-0.006 χ^2/NDF: 182.0/38

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.005 χ^2/NDF: 90.8/58

All: 0.015+/-0.003 χ^2/NDF: 316.1/120

- sign 0.023+/-0.005 χ^2/NDF: 219.5/61



Right In: 27.662+/-0.004 χ^2/NDF: 3251892.0/33

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

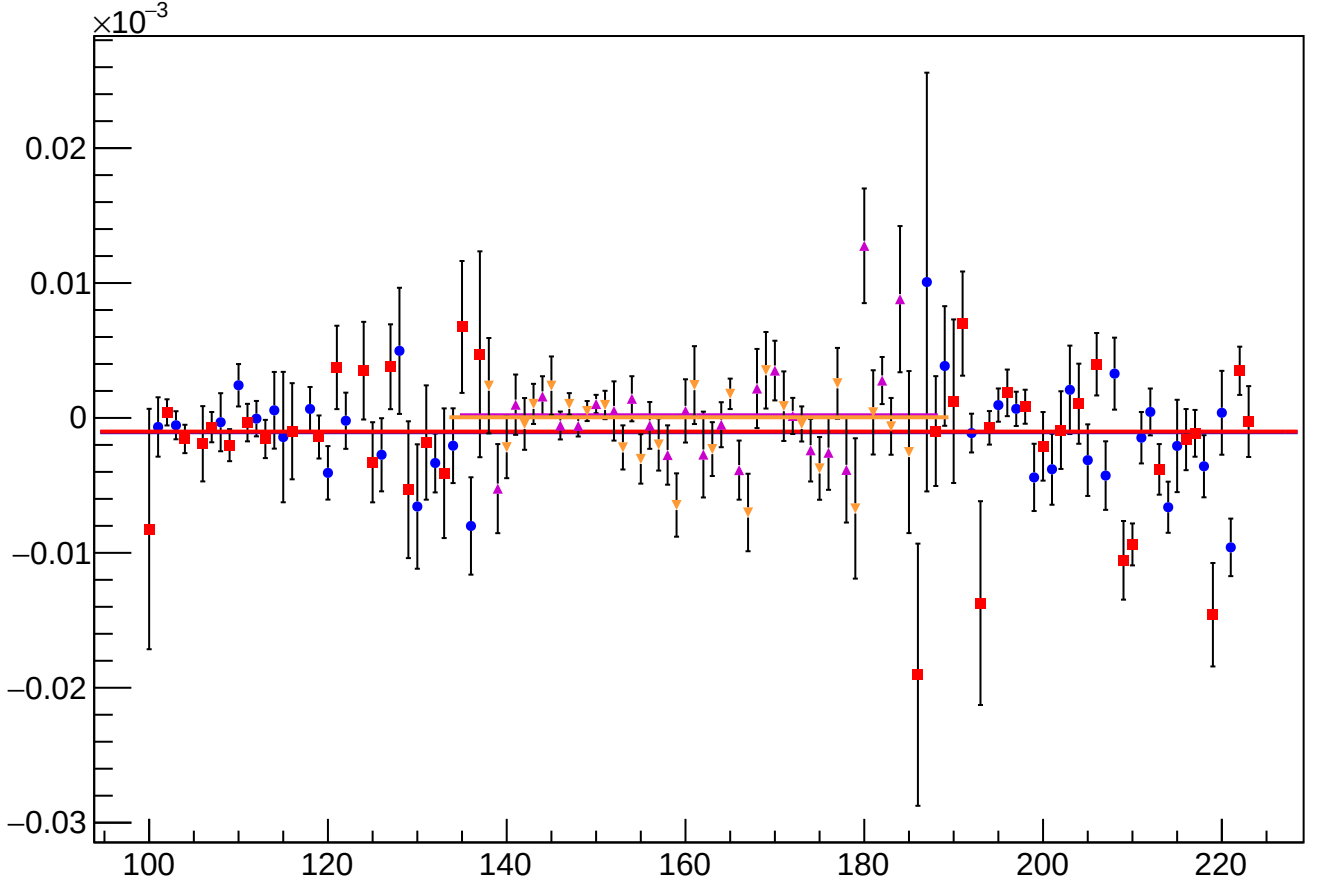
Right Out: 27.910+/-0.004 χ^2/NDF: 3104635.2/38

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.649+/-0.003 χ^2/NDF: 7225993.5/58

All: 27.694+/-0.002 χ^2/NDF: 12968959.6/120

- sign 27.740+/-0.003 χ^2/NDF: 5742587.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 60.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

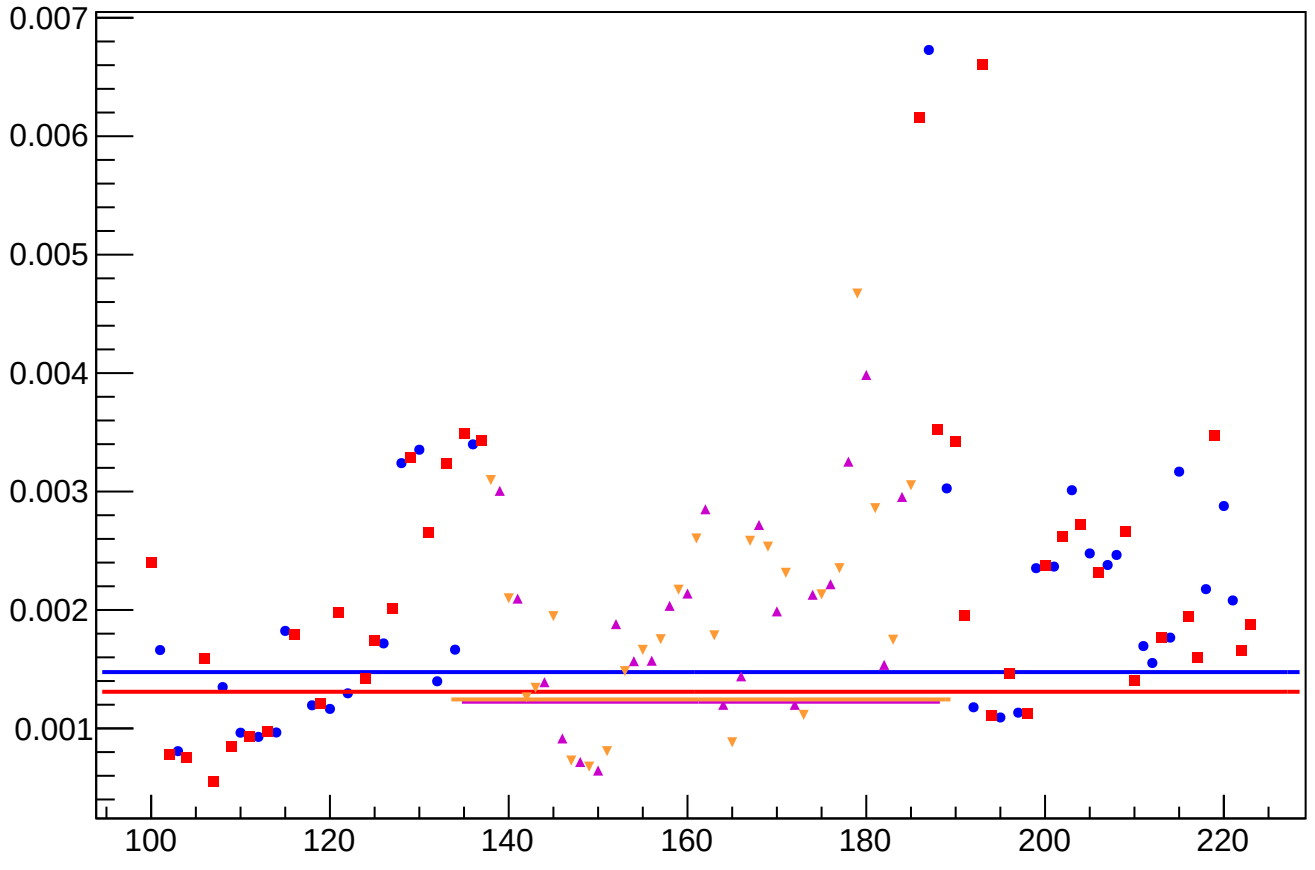
Right Out: -0.000+/-0.000 χ^2/NDF: 97.5/38

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 102.4/58

All: -0.000+/-0.000 χ^2/NDF: 240.1/120

- sign -0.000+/-0.000 χ^2/NDF: 137.7/61



Right In: 0.001+/-0.000 χ^2/NDF: 6762962.6/33

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

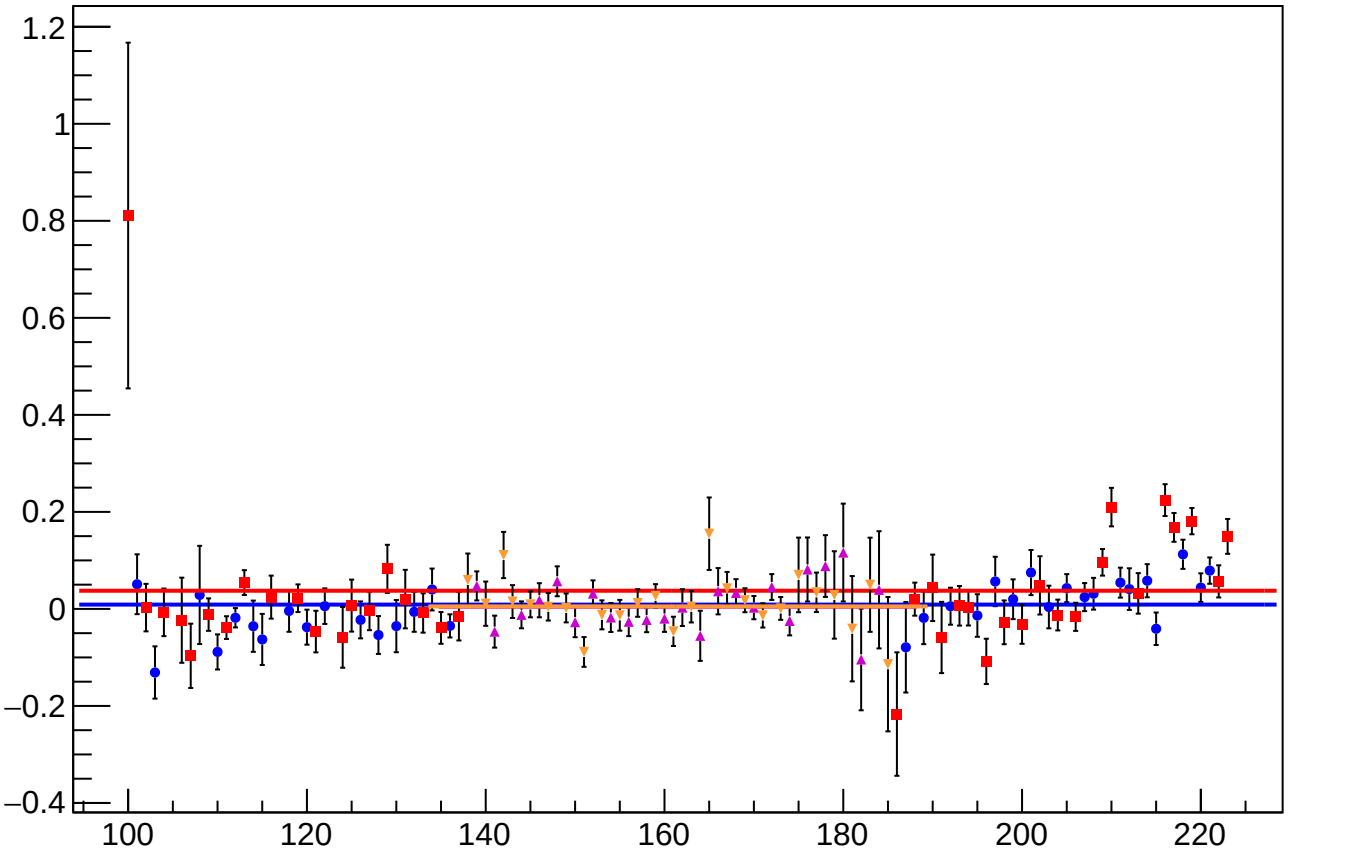
Right Out: 0.001+/-0.000 χ^2/NDF: 10015159.5/38

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15571451.4/58

All: 0.001+/-0.000 χ^2/NDF: 33600160.2/120

- sign 0.001+/-0.000 χ^2/NDF: 17905089.4/61



Right In: 0.009+/-0.006 χ^2/NDF: 62.2/33

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.037+/-0.006 χ^2/NDF: 182.0/38

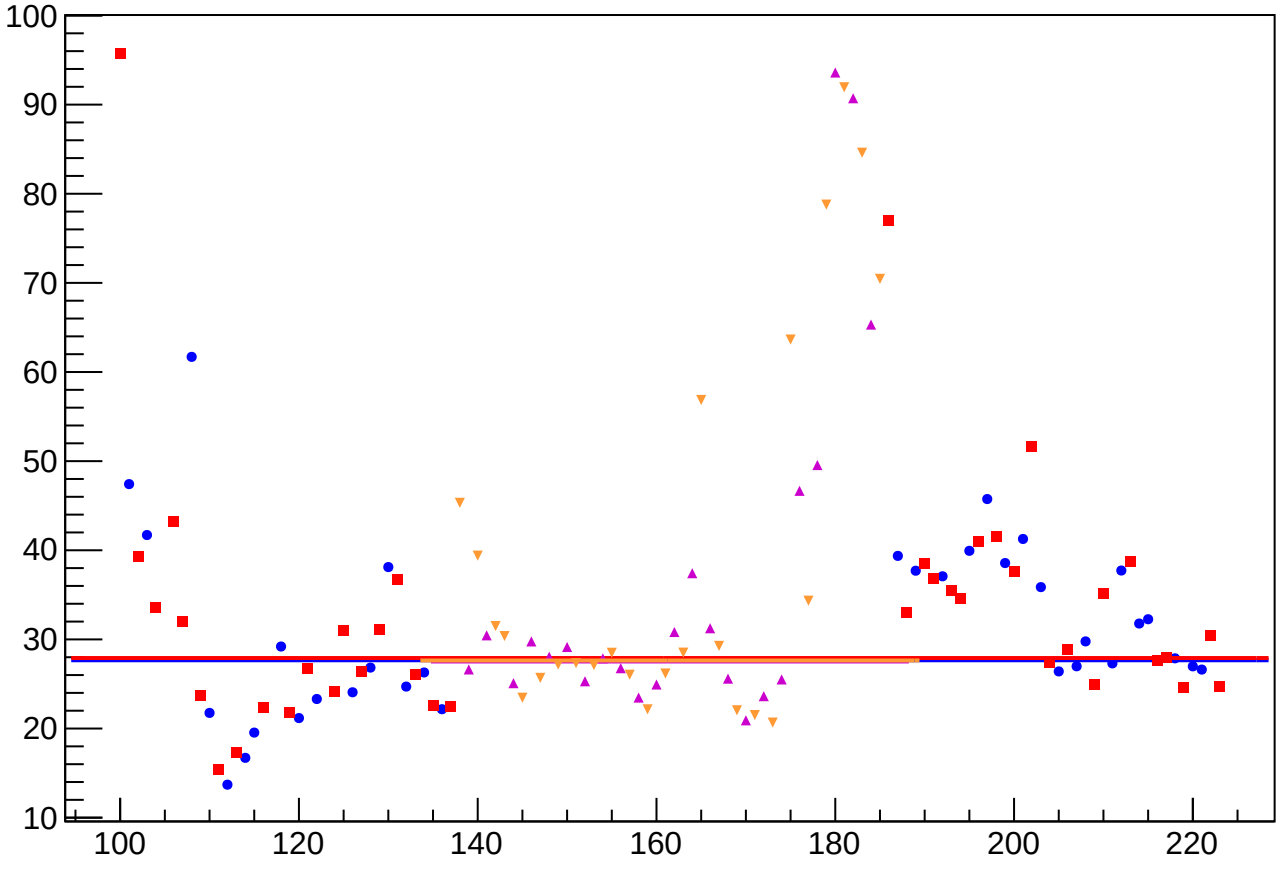
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.005 χ^2/NDF: 90.8/58

All: 0.015+/-0.003 χ^2/NDF: 316.1/120

- sign 0.023+/-0.005 χ^2/NDF: 219.5/61

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.662+/-0.004 χ^2/NDF: 3251875.4/33

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

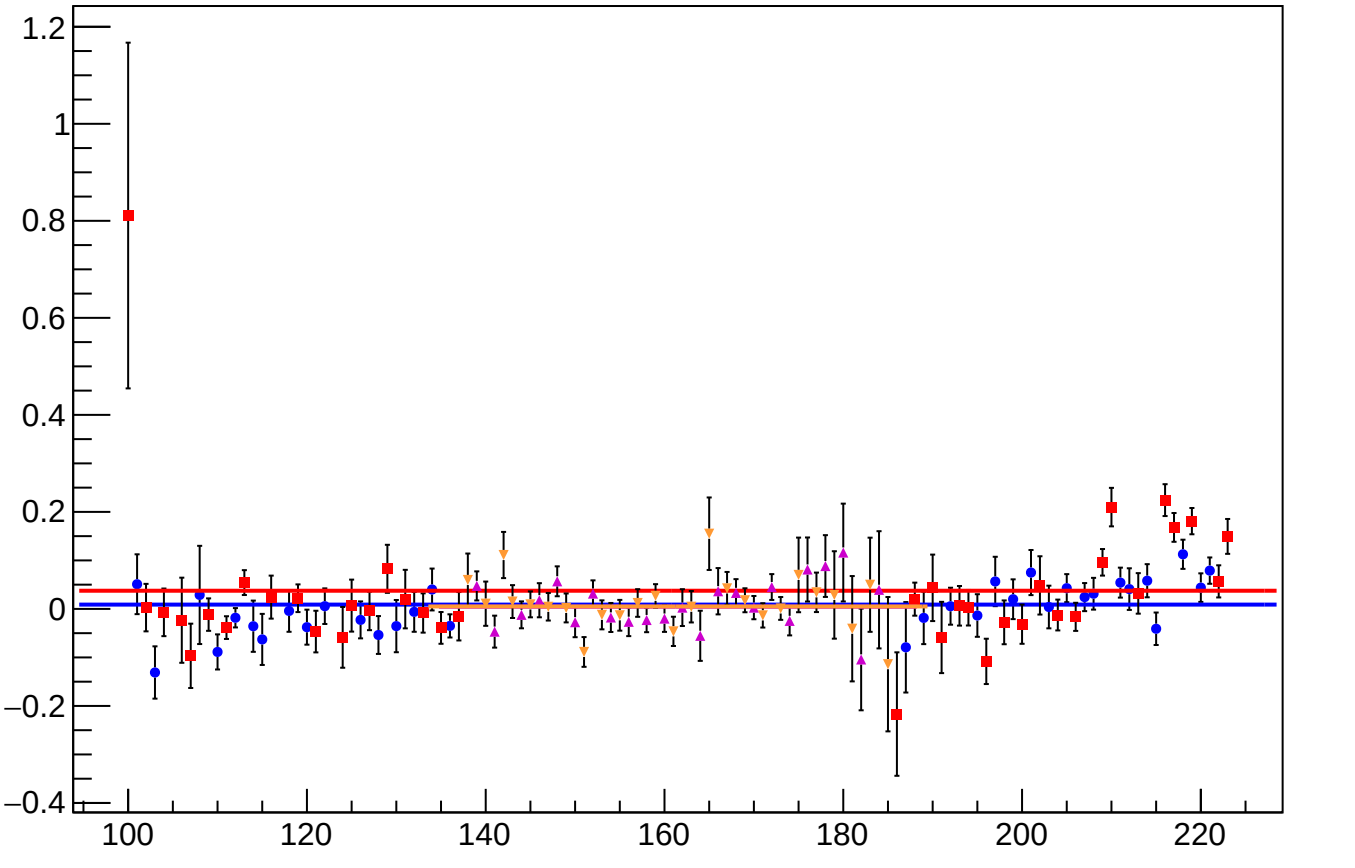
Right Out: 27.910+/-0.004 χ^2/NDF: 3104739.3/38

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.649+/-0.003 χ^2/NDF: 7225916.8/58

All: 27.694+/-0.002 χ^2/NDF: 12968949.1/120

- sign 27.740+/-0.003 χ^2/NDF: 5742654.4/61



Right In: 0.009+/-0.006 χ^2/NDF: 62.2/33

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

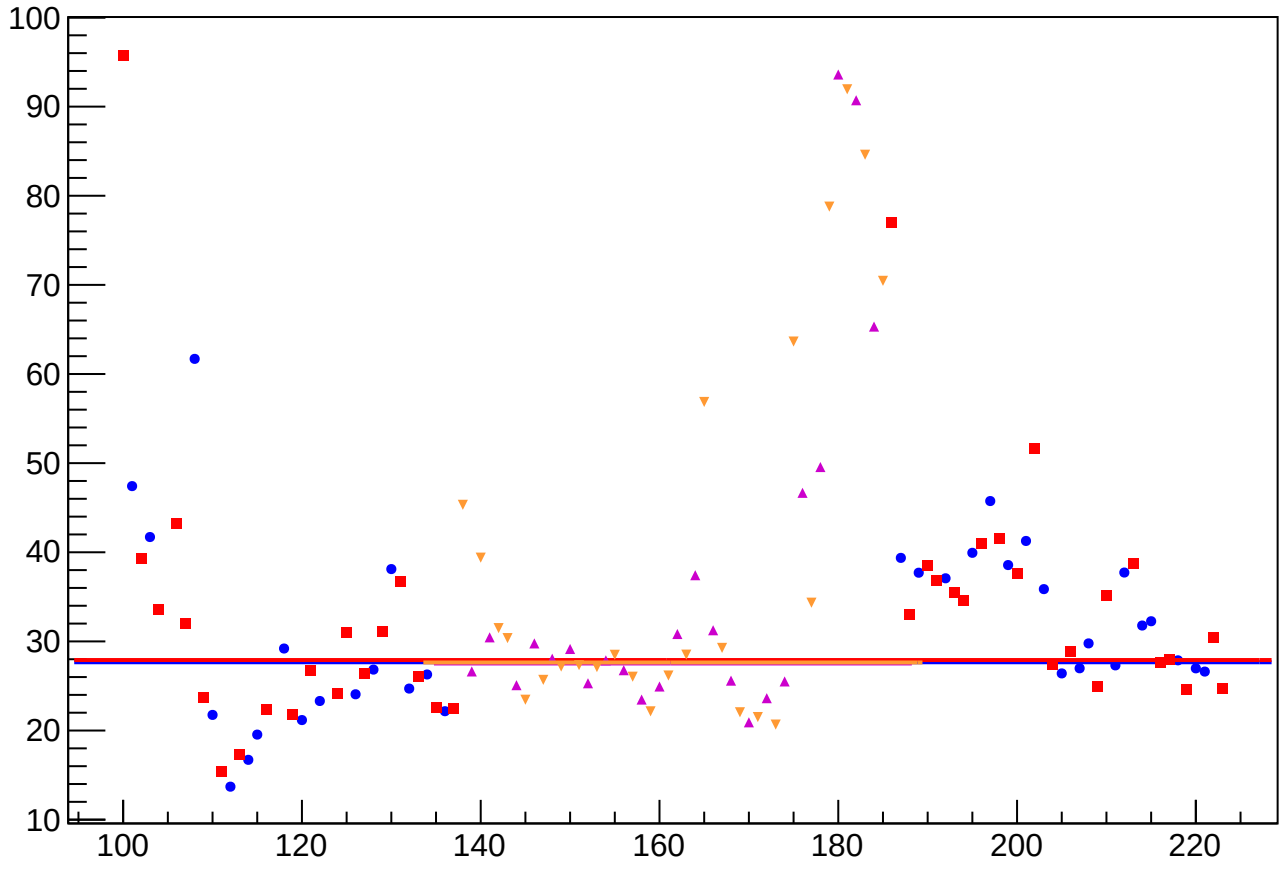
Right Out: 0.037+/-0.006 χ^2/NDF: 182.0/38

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.005 χ^2/NDF: 90.8/58

All: 0.015+/-0.003 χ^2/NDF: 316.1/120

- sign 0.023+/-0.005 χ^2/NDF: 219.5/61



Right In: 27.662+/-0.004 χ^2/NDF: 3251875.4/33

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

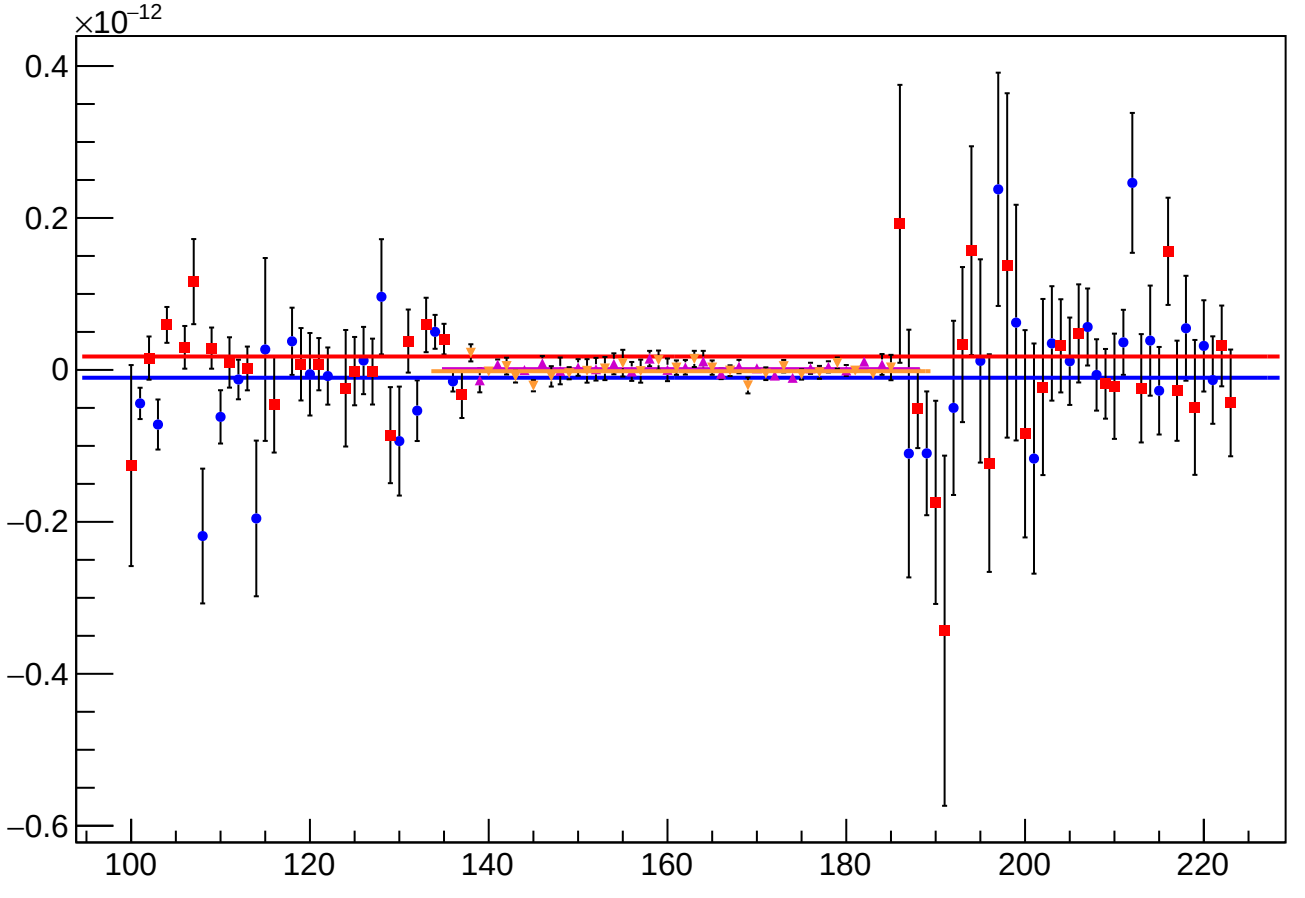
Right Out: 27.910+/-0.004 χ^2/NDF: 3104739.3/38

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.649+/-0.003 χ^2/NDF: 7225916.8/58

All: 27.694+/-0.002 χ^2/NDF: 12968949.1/120

- sign 27.740+/-0.003 χ^2/NDF: 5742654.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 49.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

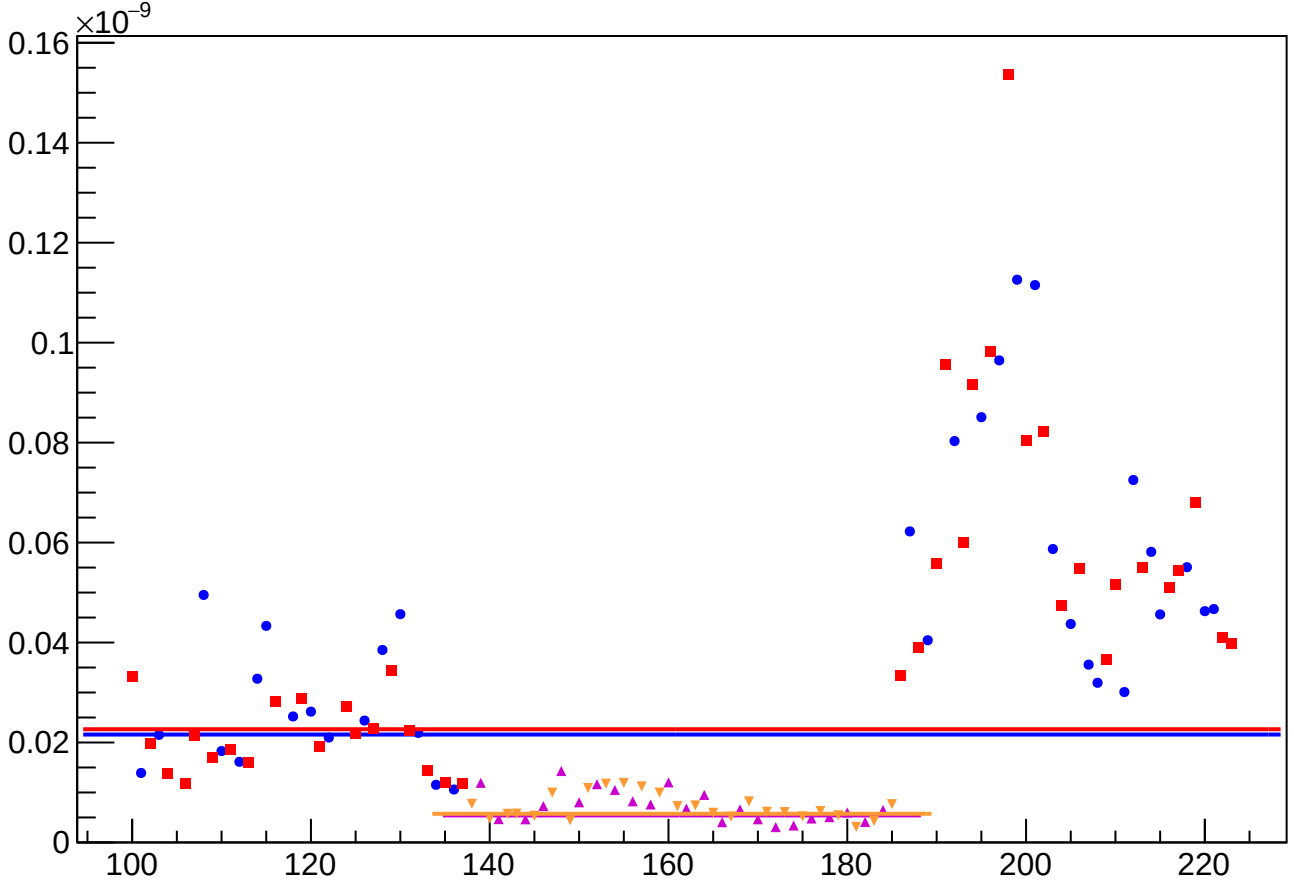
Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/38

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.9/58

All: -0.000+/-0.000 χ^2/NDF: 135.3/120

- sign 0.000+/-0.000 χ^2/NDF: 57.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 9649335.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8755942.7/38

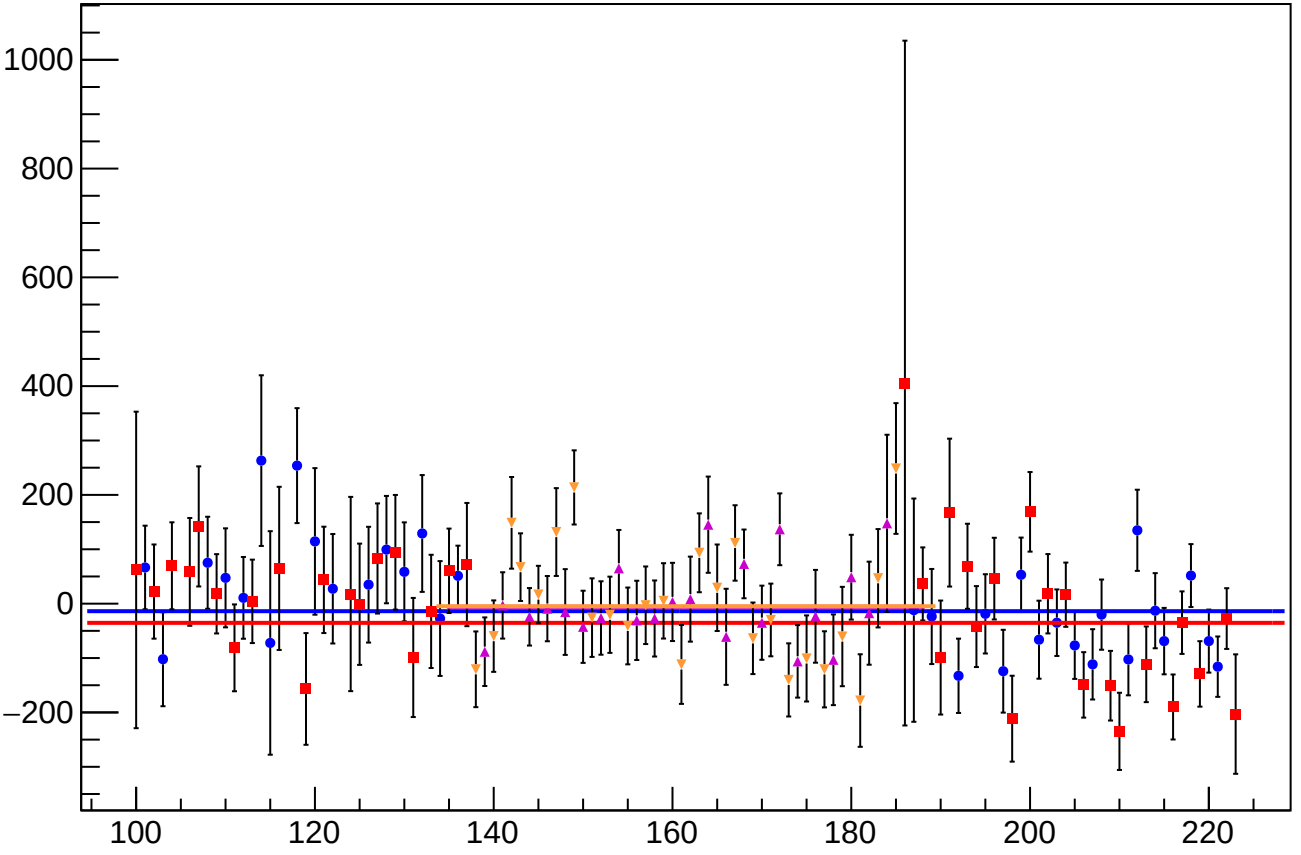
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21916959.3/58

All: 0.000+/-0.000 χ^2/NDF: 45087472.5/120

- sign 0.000+/-0.000 χ^2/NDF: 23138607.5/61

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -13.843+/-13.110 χ^2/NDF: 42.1/33

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -35.275+/-13.061 χ^2/NDF: 63.9/38

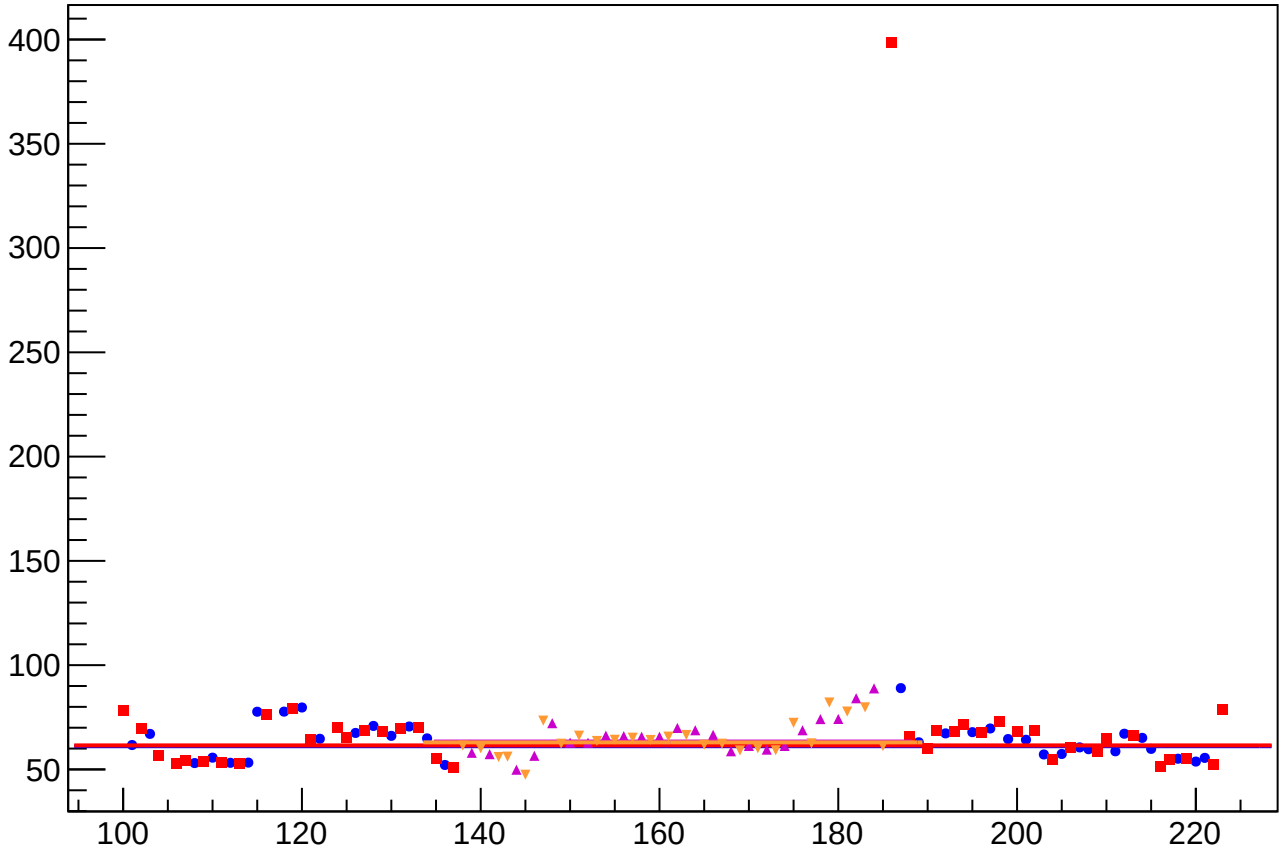
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -9.728+/-9.704 χ^2/NDF: 89.6/58

All: -16.026+/-6.906 χ^2/NDF: 174.9/120

- sign -22.488+/-9.830 χ^2/NDF: 84.4/61

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.130+/-0.009 χ^2/NDF: 487091.7/33

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

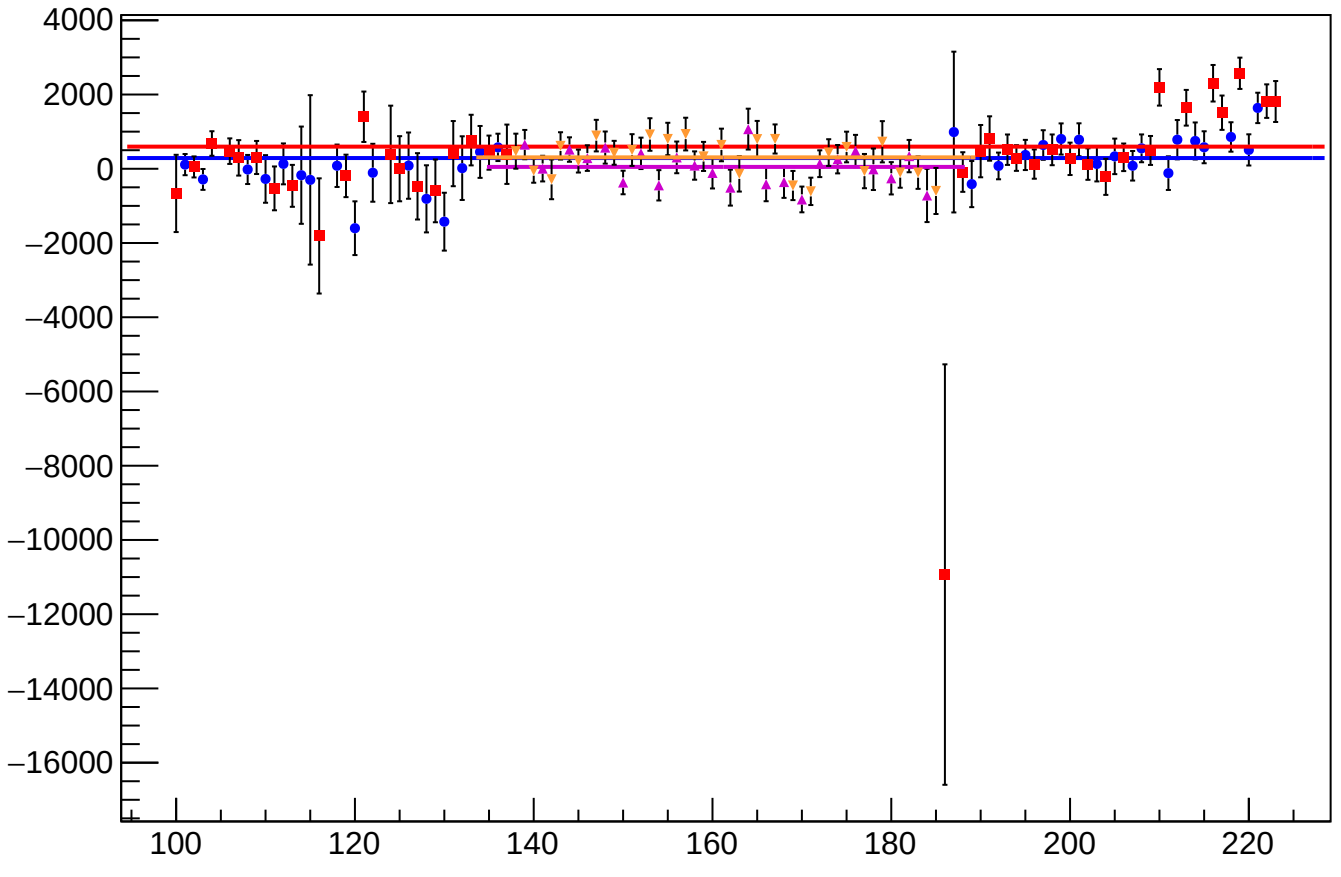
Right Out: 61.520+/-0.009 χ^2/NDF: 1269280.4/38

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 61.965+/-0.007 χ^2/NDF: 1031876.4/58

All: 62.140+/-0.005 χ^2/NDF: 2816706.0/120

- sign 62.320+/-0.007 χ^2/NDF: 1783506.7/61



Right In: 288.756+/-81.300 χ^2/NDF: 42.9/33

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 595.952+/-78.760 χ^2/NDF: 102.2/38

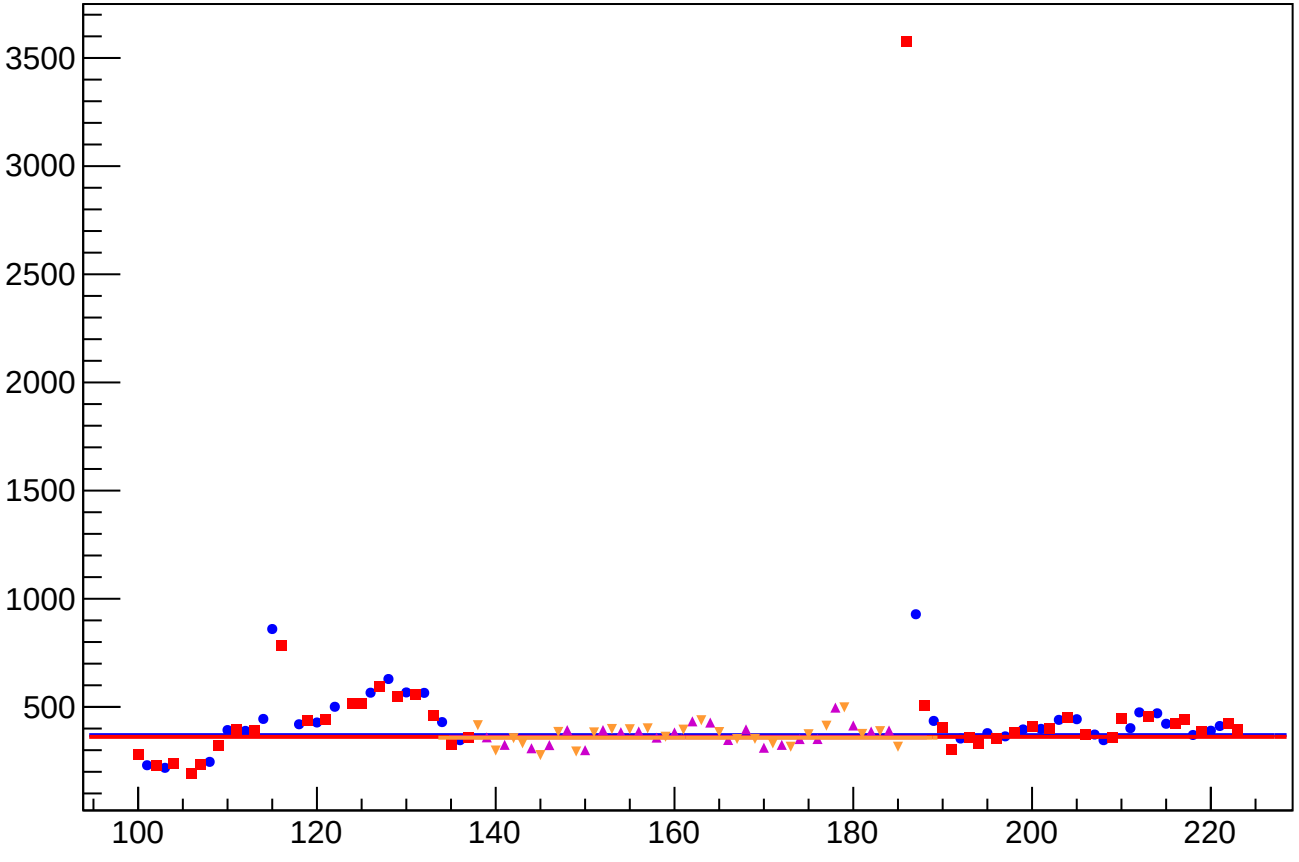
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 297.850+/-57.859 χ^2/NDF: 73.6/58

All: 320.602+/-40.864 χ^2/NDF: 225.6/120

- sign 343.245+/-57.721 χ^2/NDF: 151.7/61

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 369.495+/-0.057 χ^2/NDF: 2462476.7/33

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 361.614+/-0.056 χ^2/NDF: 3326204.9/38

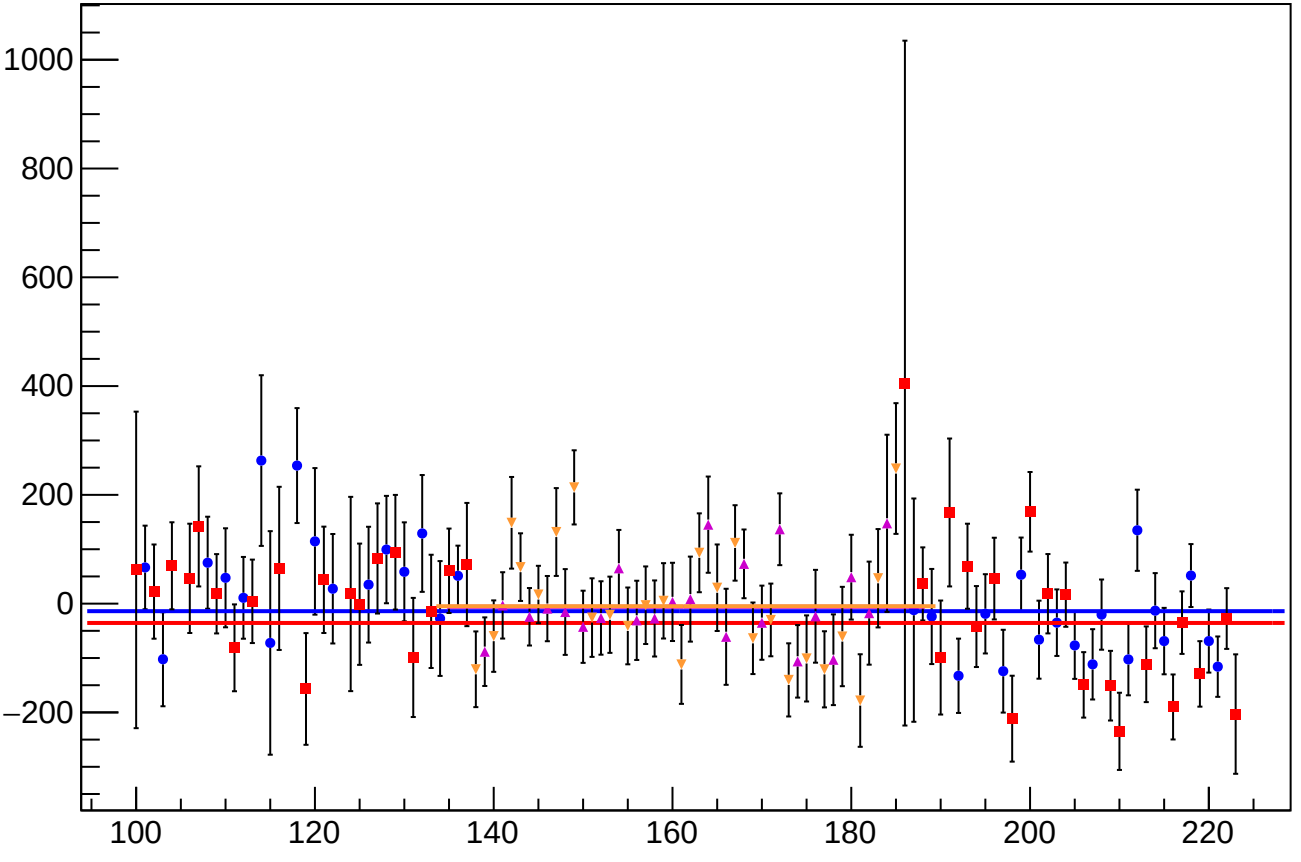
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 363.690+/-0.041 χ^2/NDF: 3166872.2/58

All: 362.124+/-0.029 χ^2/NDF: 7016523.4/120

- sign 360.566+/-0.041 χ^2/NDF: 3846729.9/61

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -13.847+/-13.110 χ^2/NDF: 42.1/33

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -35.523+/-13.064 χ^2/NDF: 63.7/38

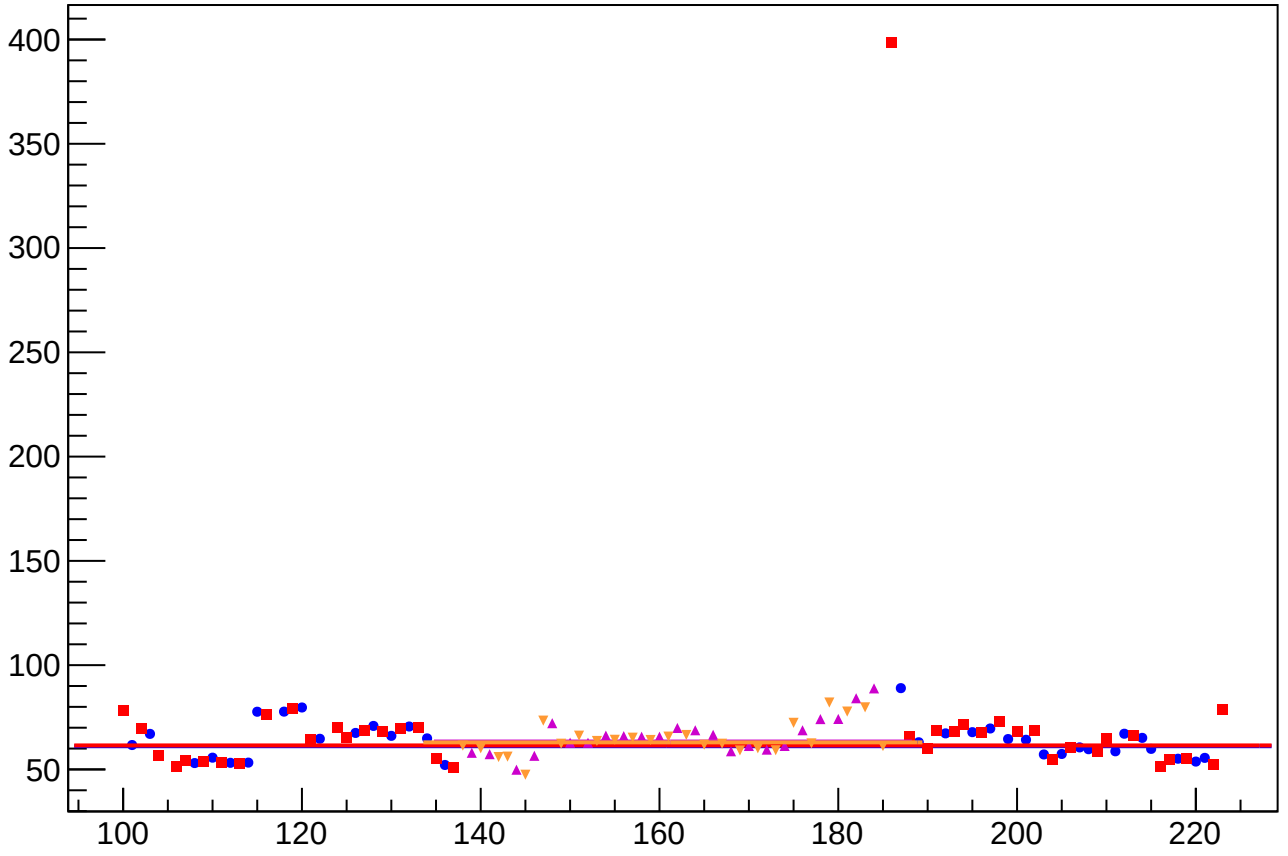
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -9.733+/-9.704 χ^2/NDF: 89.6/58

All: -16.094+/-6.906 χ^2/NDF: 174.7/120

- sign -22.625+/-9.832 χ^2/NDF: 84.2/61

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.130+/-0.009 χ^2/NDF: 487091.9/33

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.507+/-0.009 χ^2/NDF: 1272856.7/38

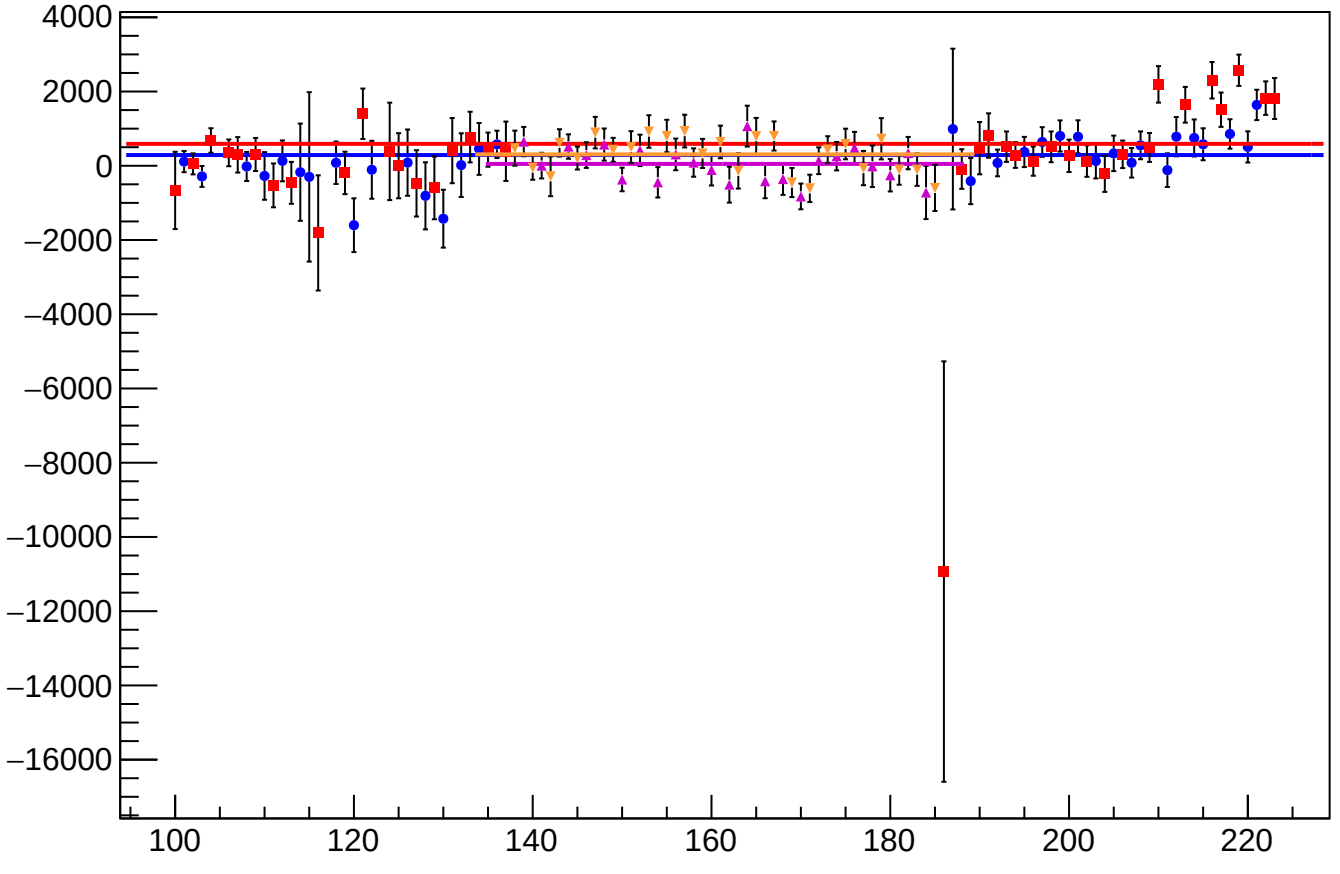
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 61.965+/-0.007 χ^2/NDF: 1031876.6/58

All: 62.137+/-0.005 χ^2/NDF: 2820476.2/120

- sign 62.313+/-0.007 χ^2/NDF: 1787331.2/61

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 288.761+/-81.300 χ^2/NDF: 42.9/33

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 590.583+/-78.944 χ^2/NDF: 102.5/38

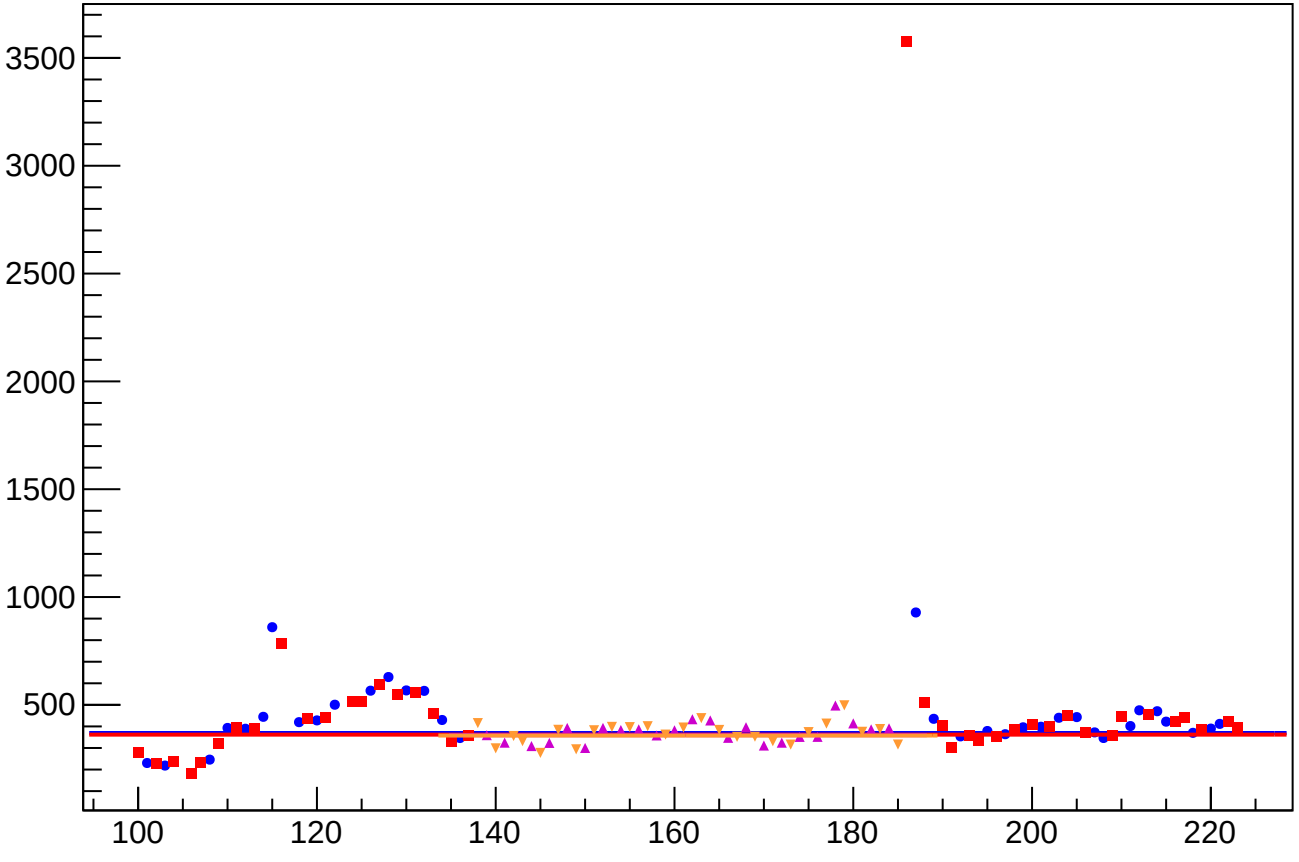
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 297.849+/-57.859 χ^2/NDF: 73.6/58

All: 318.815+/-40.889 χ^2/NDF: 225.4/120

- sign 339.733+/-57.793 χ^2/NDF: 151.5/61

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 369.496+/-0.057 χ^2/NDF: 2462384.1/33

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 361.915+/-0.056 χ^2/NDF: 3338785.5/38

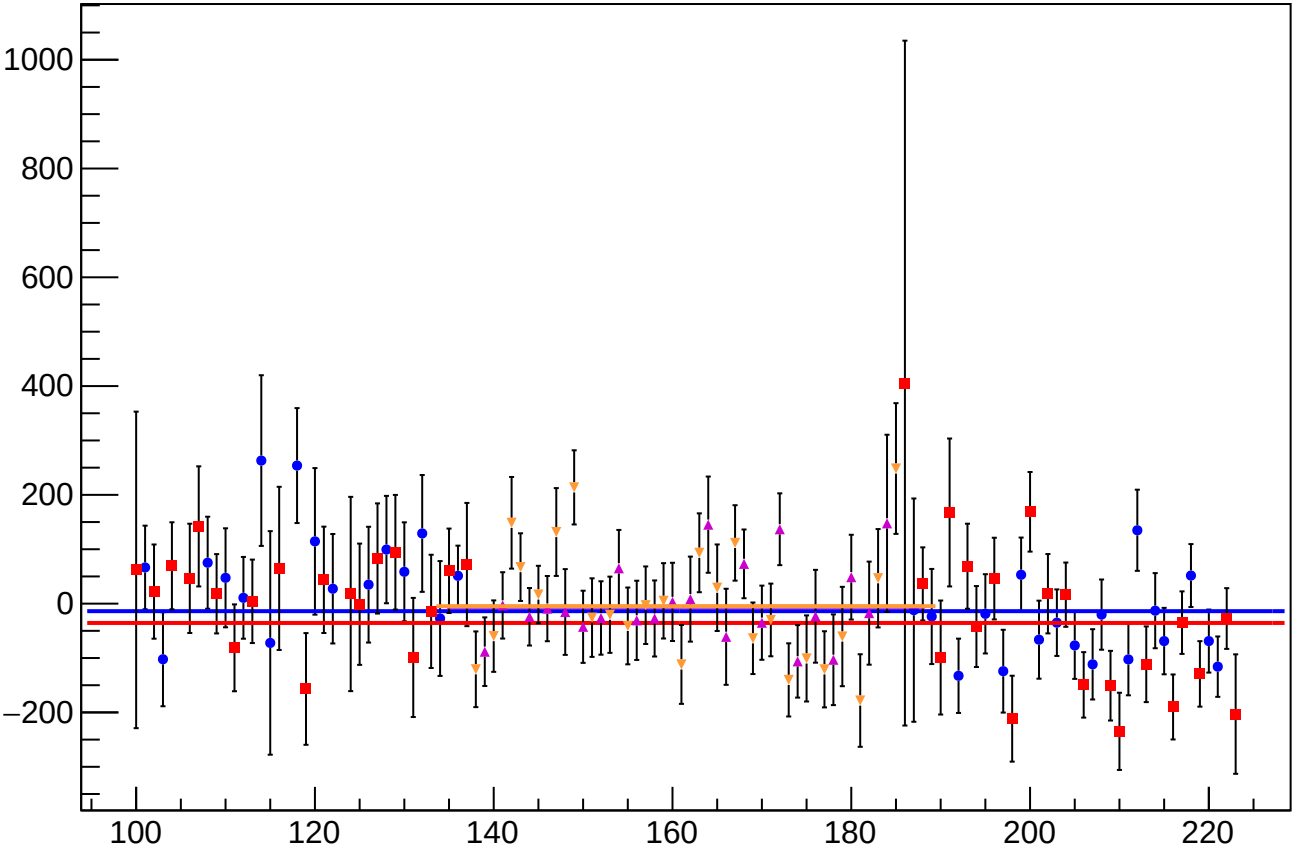
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 363.690+/-0.041 χ^2/NDF: 3166779.9/58

All: 362.206+/-0.029 χ^2/NDF: 7028937.9/120

- sign 360.725+/-0.041 χ^2/NDF: 3859528.3/61

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -13.847+/-13.110 χ^2/NDF: 42.1/33

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -35.523+/-13.064 χ^2/NDF: 63.7/38

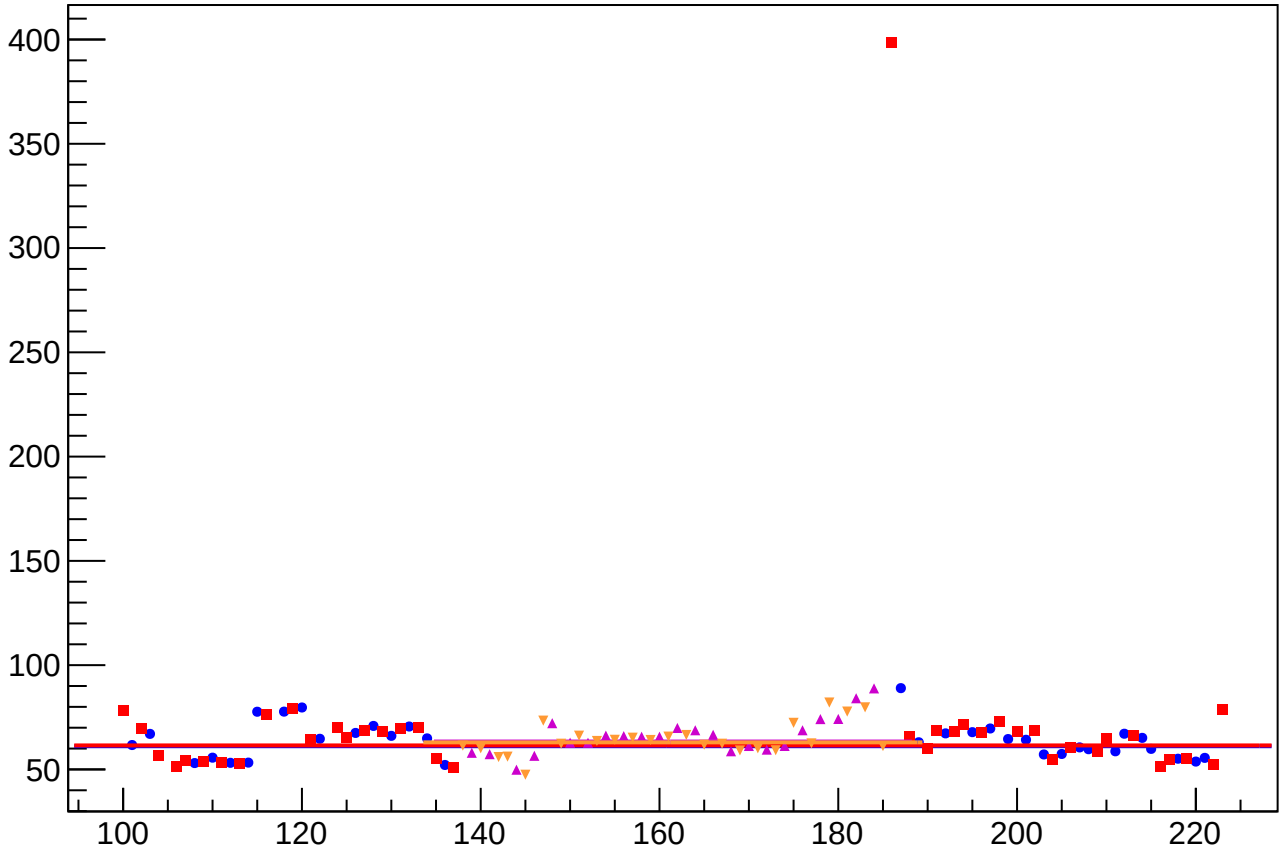
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -9.733+/-9.704 χ^2/NDF: 89.6/58

All: -16.094+/-6.906 χ^2/NDF: 174.7/120

- sign -22.625+/-9.832 χ^2/NDF: 84.2/61

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.130+/-0.009 χ^2/NDF: 487091.9/33

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

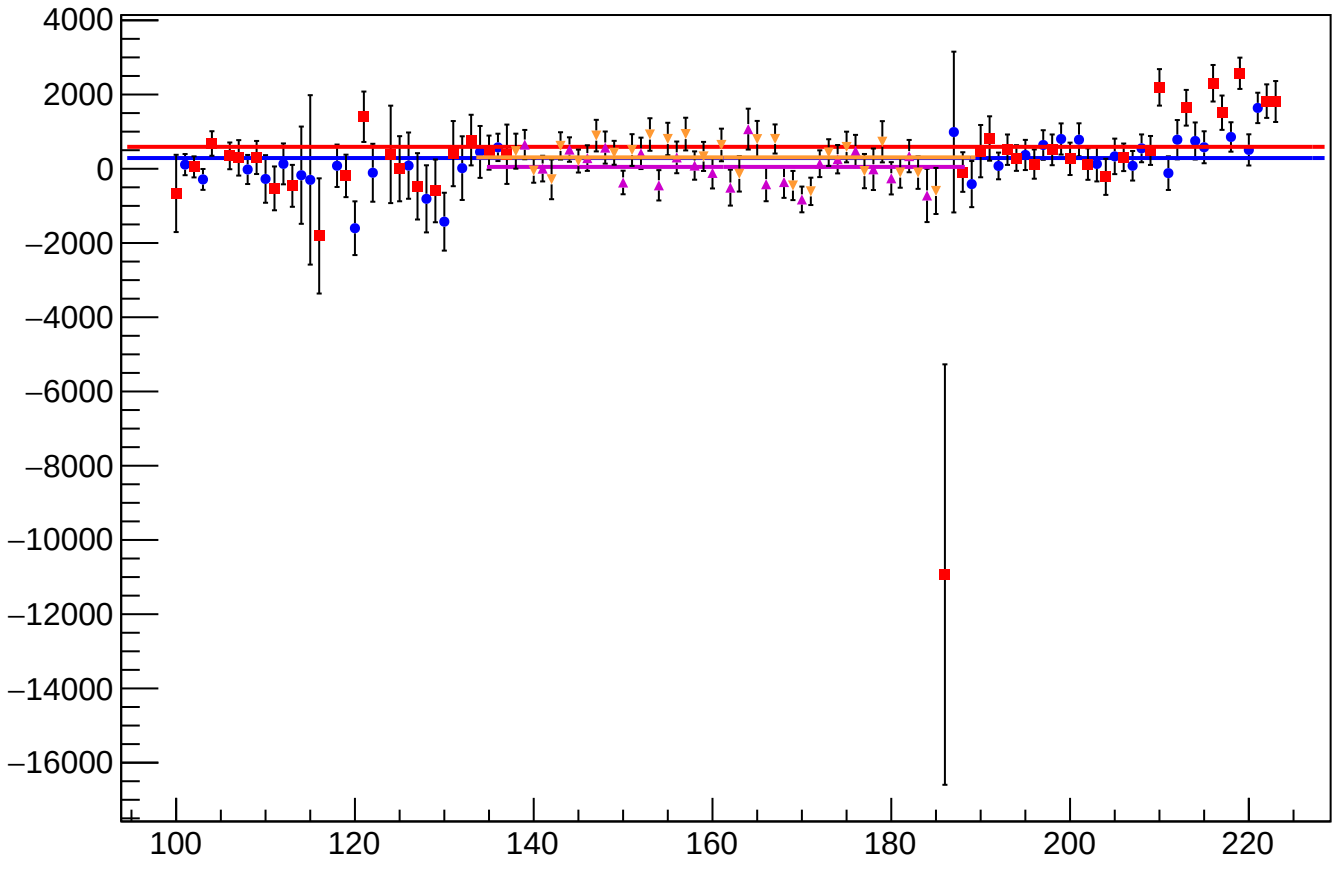
Right Out: 61.507+/-0.009 χ^2/NDF: 1272856.7/38

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 61.965+/-0.007 χ^2/NDF: 1031876.6/58

All: 62.137+/-0.005 χ^2/NDF: 2820476.2/120

- sign 62.313+/-0.007 χ^2/NDF: 1787331.2/61



Right In: 288.761+/-81.300 χ^2/NDF: 42.9/33

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 590.583+/-78.944 χ^2/NDF: 102.5/38

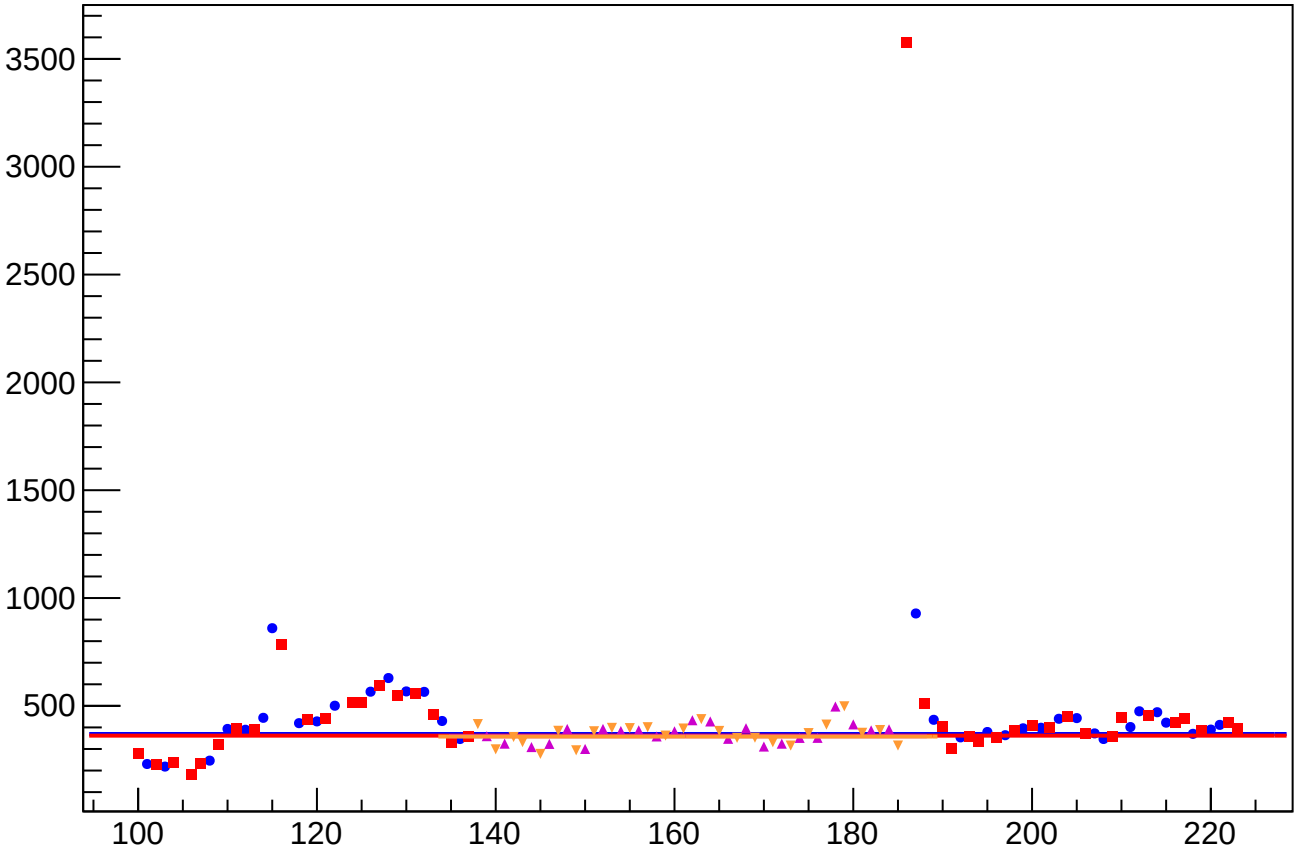
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 297.849+/-57.859 χ^2/NDF: 73.6/58

All: 318.815+/-40.889 χ^2/NDF: 225.4/120

- sign 339.733+/-57.793 χ^2/NDF: 151.5/61

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 369.496+/-0.057 χ^2/NDF: 2462384.1/33

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 361.915+/-0.056 χ^2/NDF: 3338785.5/38

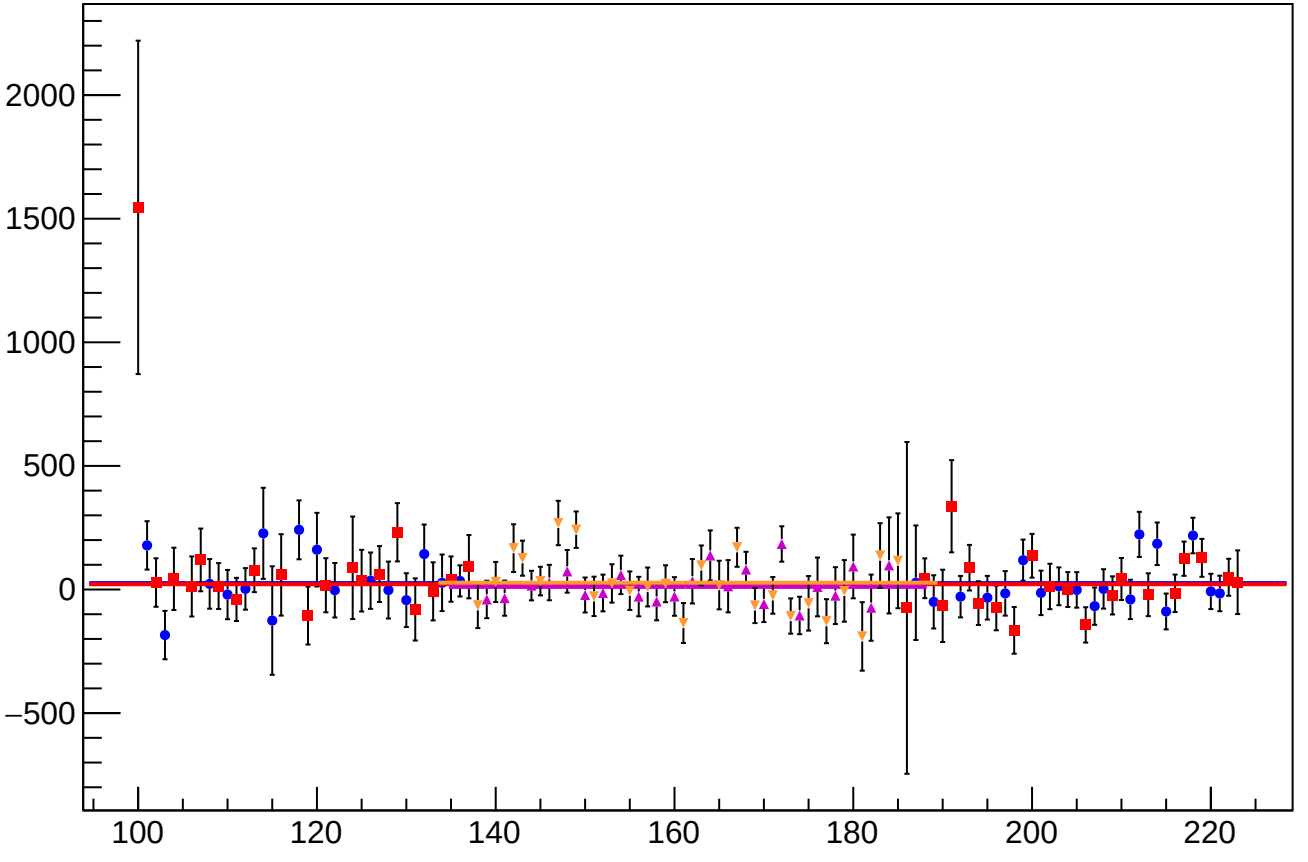
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 363.690+/-0.041 χ^2/NDF: 3166779.9/58

All: 362.206+/-0.029 χ^2/NDF: 7028937.9/120

- sign 360.725+/-0.041 χ^2/NDF: 3859528.3/61

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 25.903+/-15.651 χ^2/NDF: 38.4/33

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 21.320+/-15.799 χ^2/NDF: 34.3/38

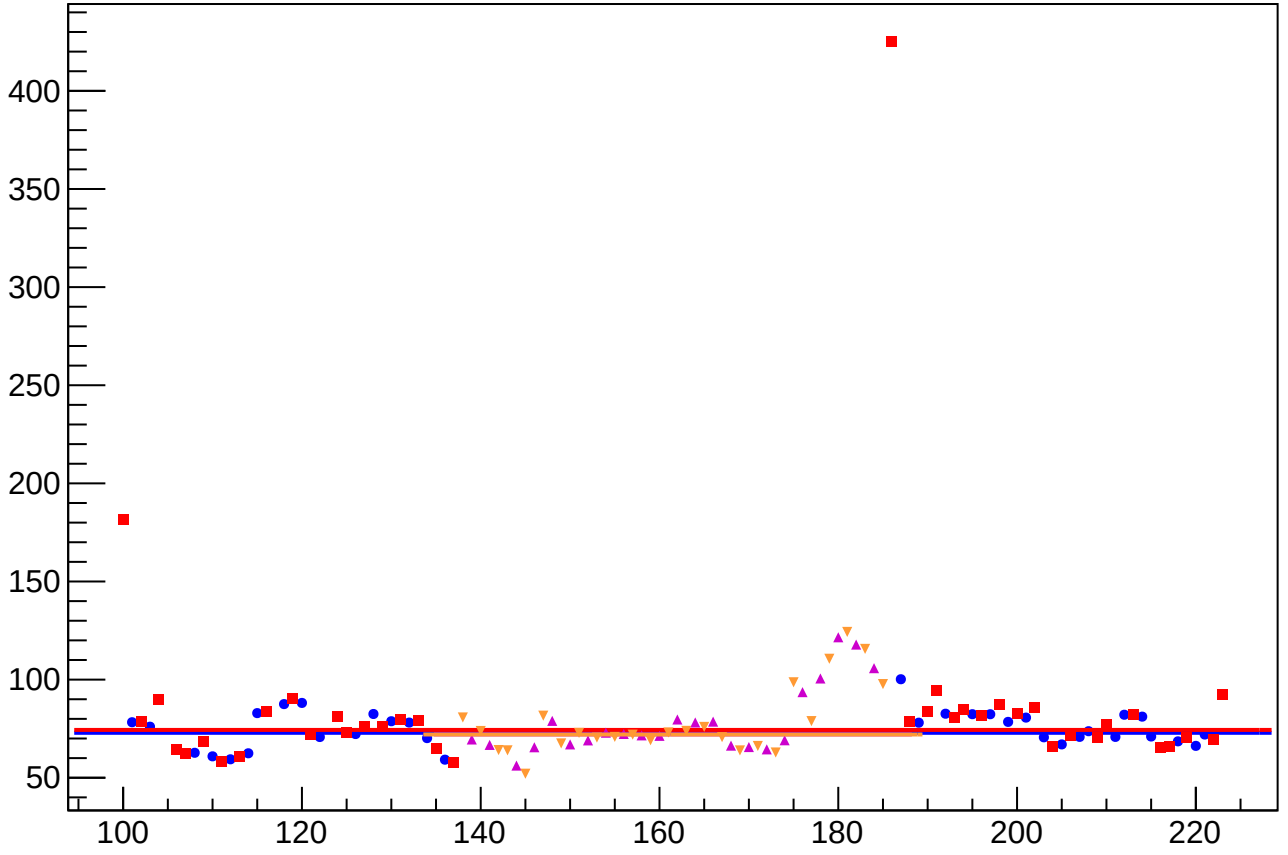
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.707+/-11.433 χ^2/NDF: 80.8/58

All: 21.640+/-8.158 χ^2/NDF: 131.8/120

- sign 16.386+/-11.643 χ^2/NDF: 50.6/61

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 72.901+/-0.011 χ^2/NDF: 502264.9/33

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

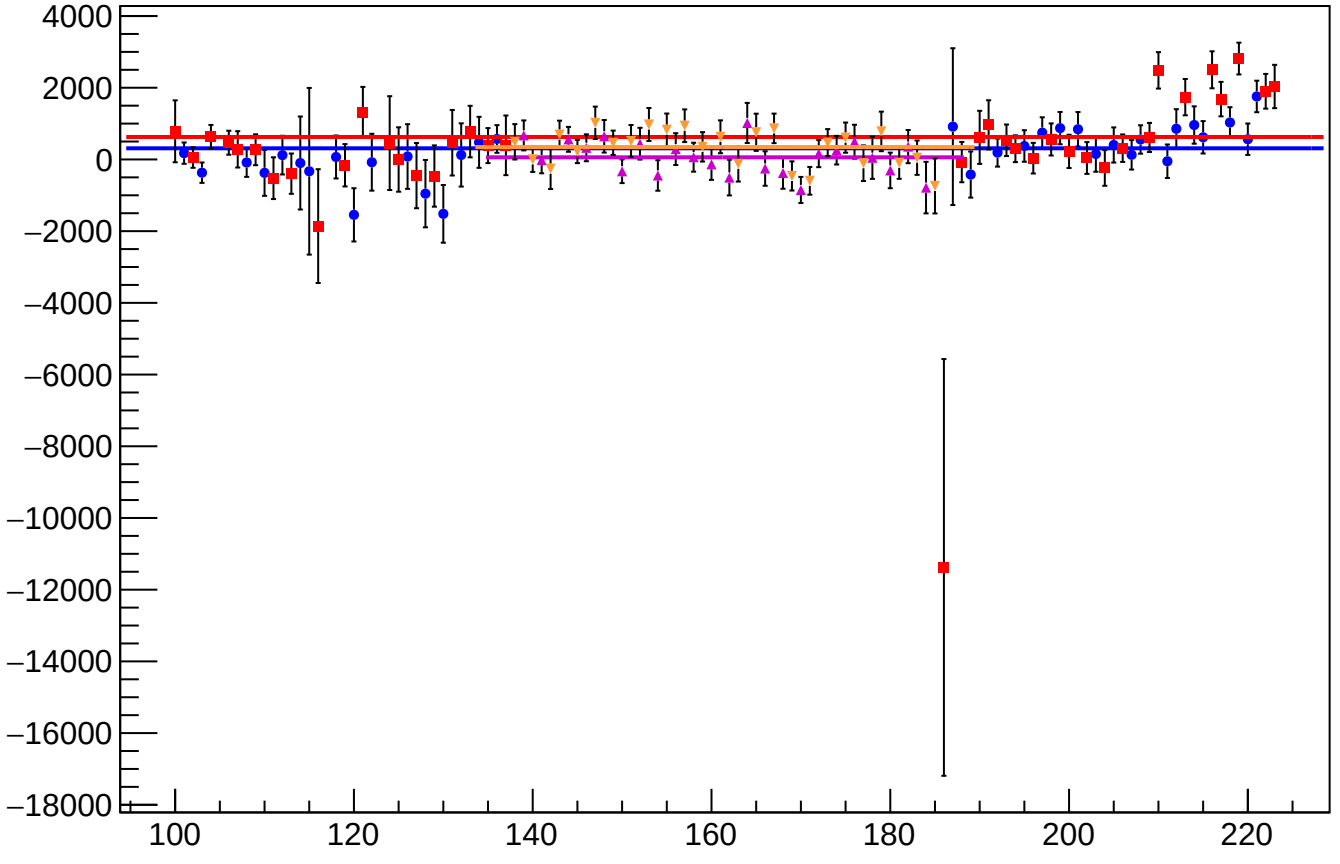
Right Out: 74.367+/-0.011 χ^2/NDF: 1234992.1/38

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.500+/-0.008 χ^2/NDF: 1774557.5/58

All: 72.906+/-0.006 χ^2/NDF: 4092493.4/120

- sign 73.328+/-0.008 χ^2/NDF: 2312792.3/61



Right In: 310.691+/-84.940 χ^2/NDF: 46.2/33

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 626.619+/-81.552 χ^2/NDF: 109.7/38

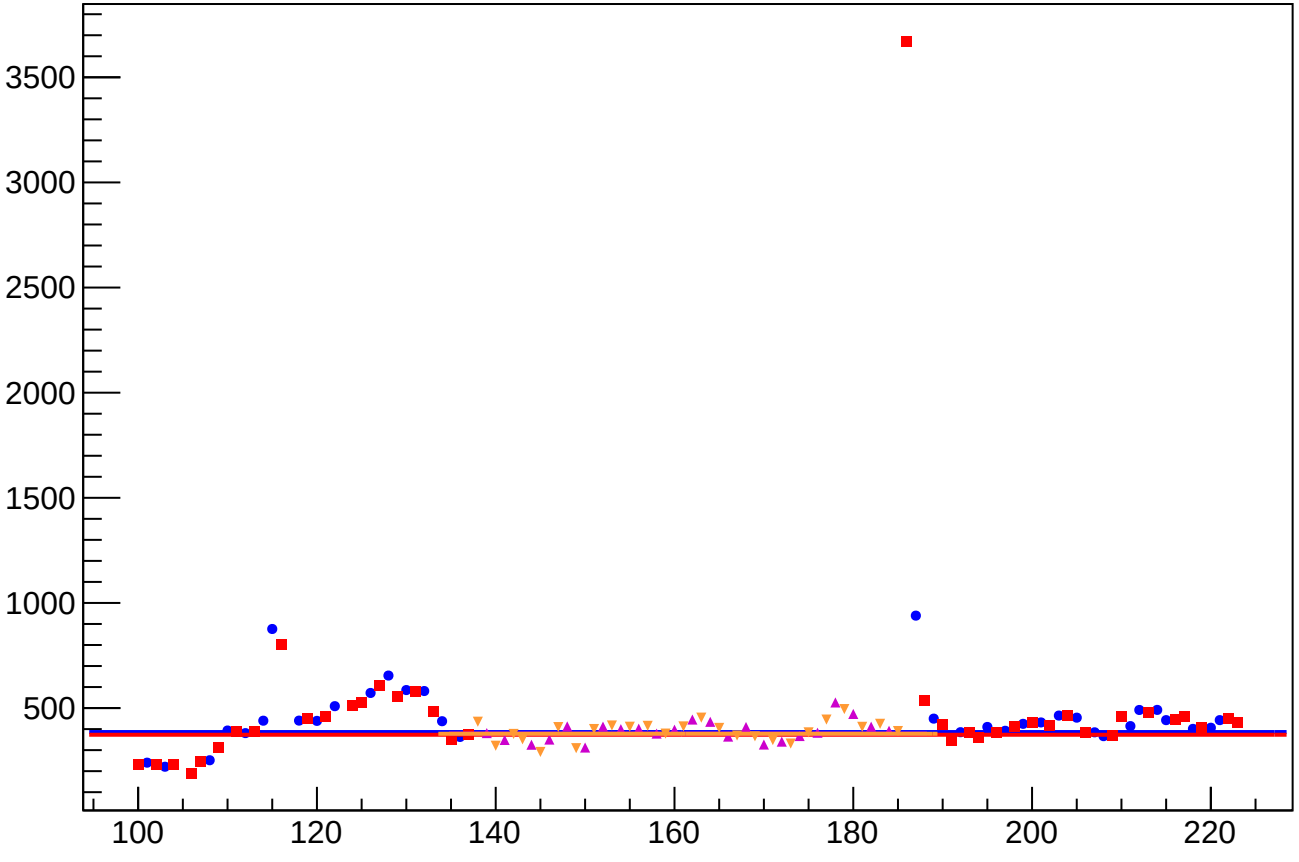
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 327.946+/-60.716 χ^2/NDF: 75.2/58

All: 348.762+/-42.768 χ^2/NDF: 233.0/120

- sign 369.262+/-60.253 χ^2/NDF: 157.5/61

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 385.971+/-0.060 χ^2/NDF: 2547848.0/33

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 373.132+/-0.058 χ^2/NDF: 3673229.0/38

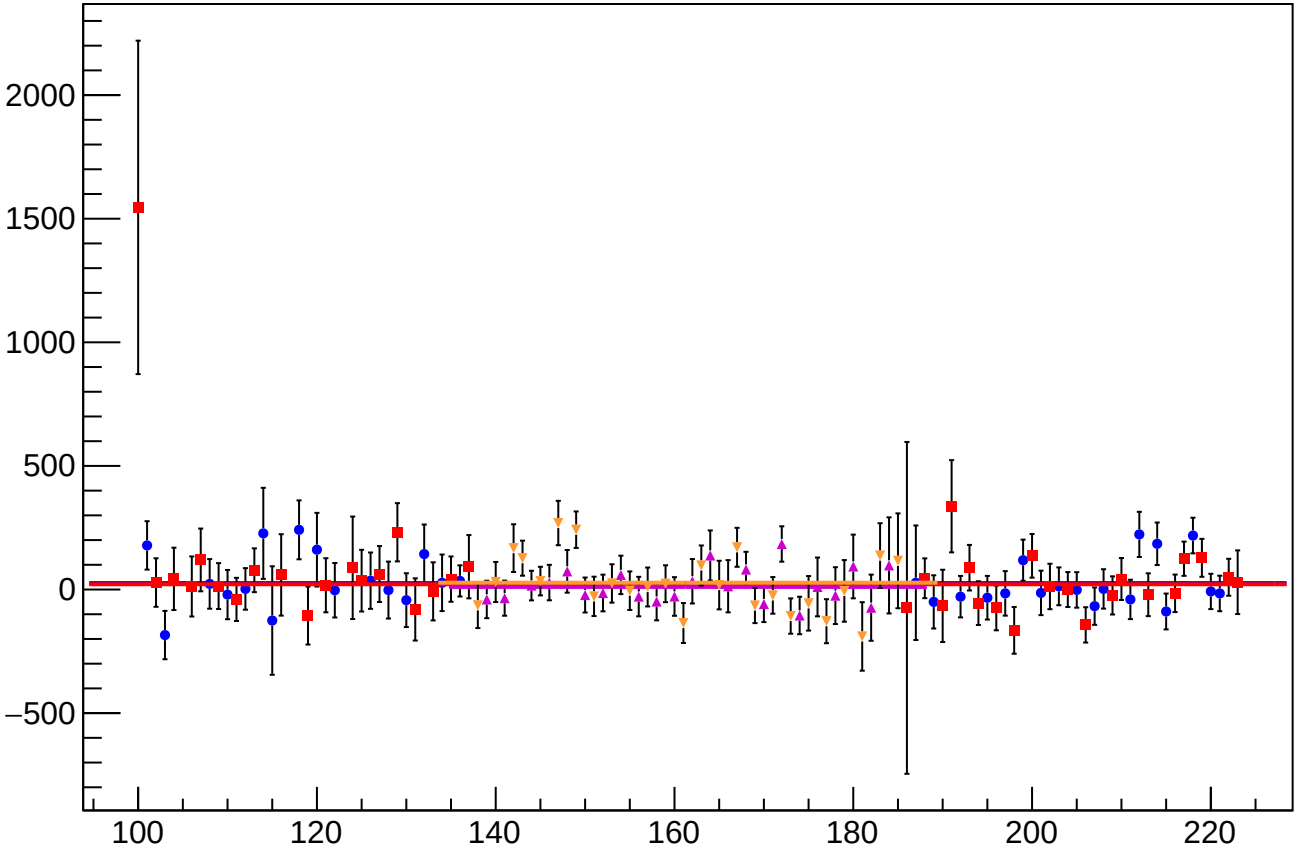
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 381.973+/-0.043 χ^2/NDF: 3193621.1/58

All: 378.832+/-0.030 χ^2/NDF: 7409657.9/120

- sign 375.738+/-0.043 χ^2/NDF: 4205408.5/61

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 25.902+/-15.651 χ^2/NDF: 38.4/33

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 21.319+/-15.799 χ^2/NDF: 34.3/38

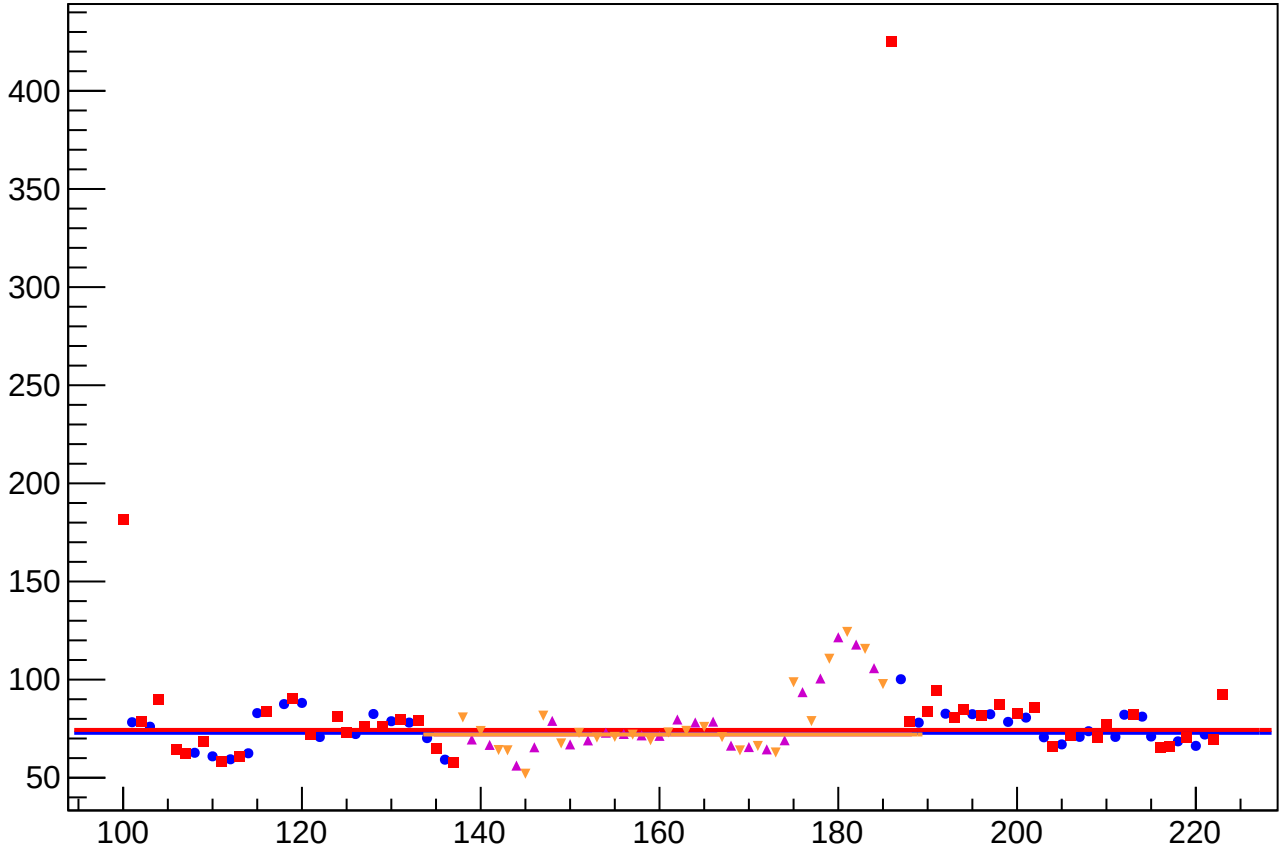
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.706+/-11.433 χ^2/NDF: 80.8/58

All: 21.640+/-8.158 χ^2/NDF: 131.7/120

- sign 16.386+/-11.643 χ^2/NDF: 50.6/61

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 72.901+/-0.011 χ^2/NDF: 502271.7/33

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

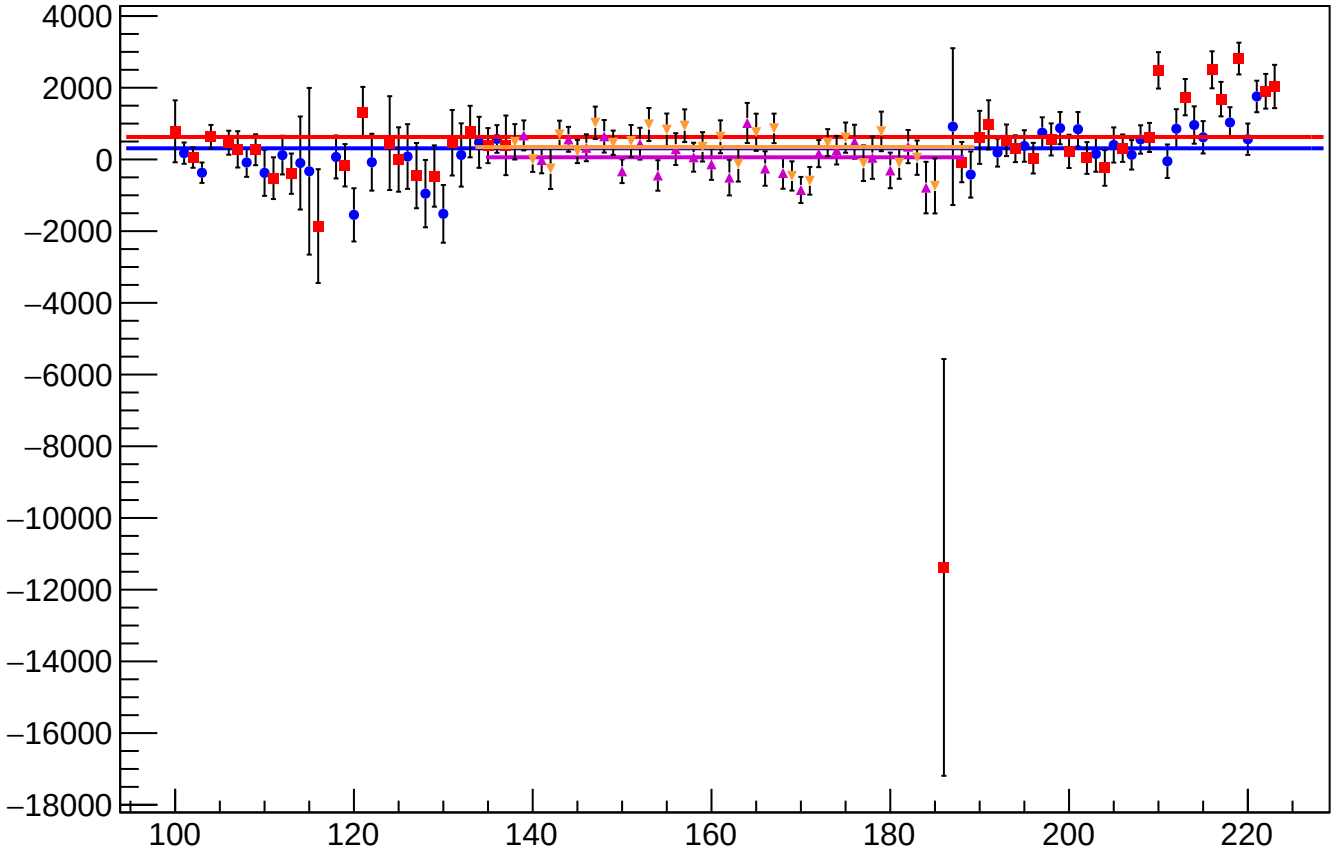
Right Out: 74.367+/-0.011 χ^2/NDF: 1234994.6/38

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

\+ sign 72.500+/-0.008 χ^2/NDF: 1774570.1/58

All: 72.906+/-0.006 χ^2/NDF: 4092497.3/120

\- sign 73.327+/-0.008 χ^2/NDF: 2312782.9/61



Right In: 310.691+/-84.940 χ^2/NDF: 46.2/33

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

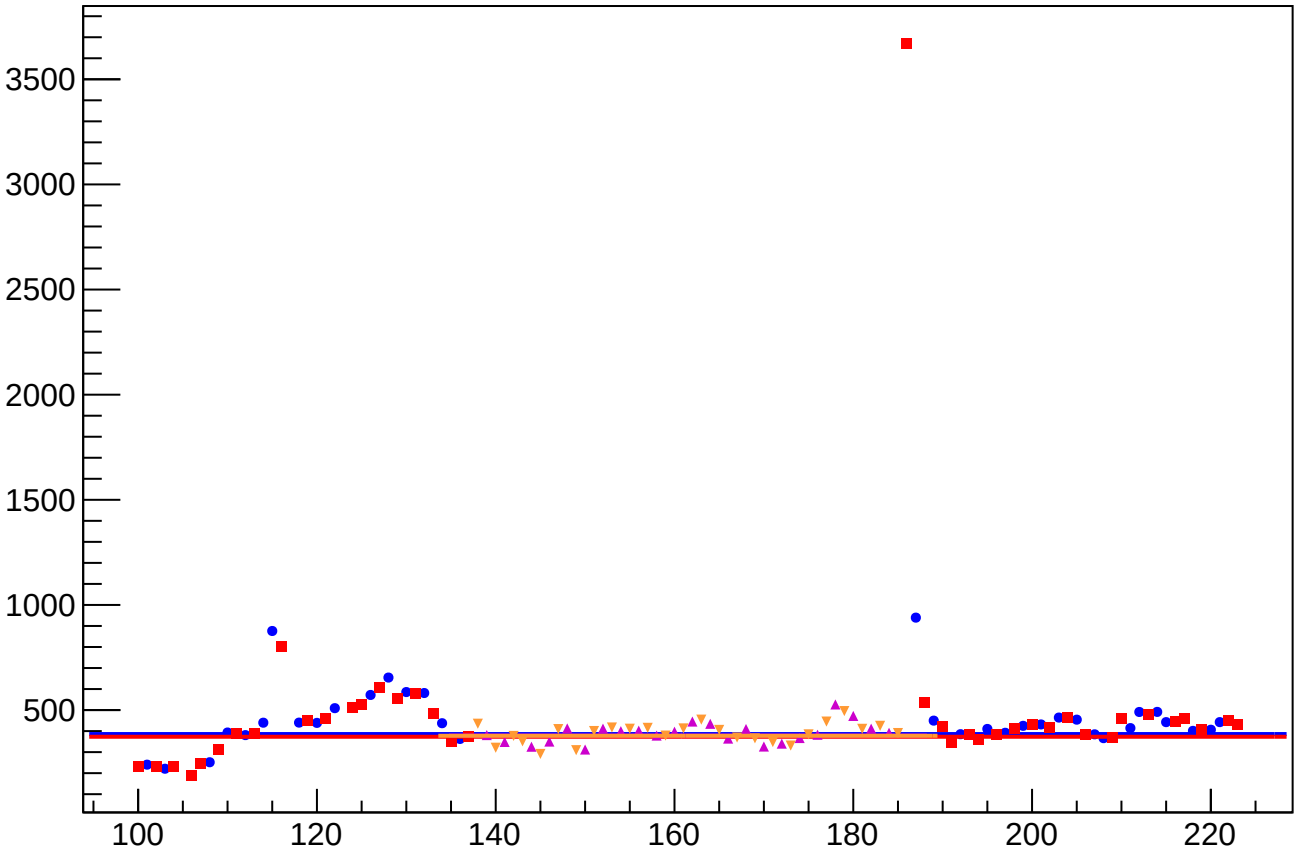
Right Out: 626.619+/-81.552 χ^2/NDF: 109.7/38

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 327.945+/-60.716 χ^2/NDF: 75.2/58

All: 348.762+/-42.768 χ^2/NDF: 233.0/120

- sign 369.262+/-60.253 χ^2/NDF: 157.5/61



Right In: 385.971+/-0.060 χ^2/NDF: 2547829.7/33

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 373.132+/-0.058 χ^2/NDF: 3673212.7/38

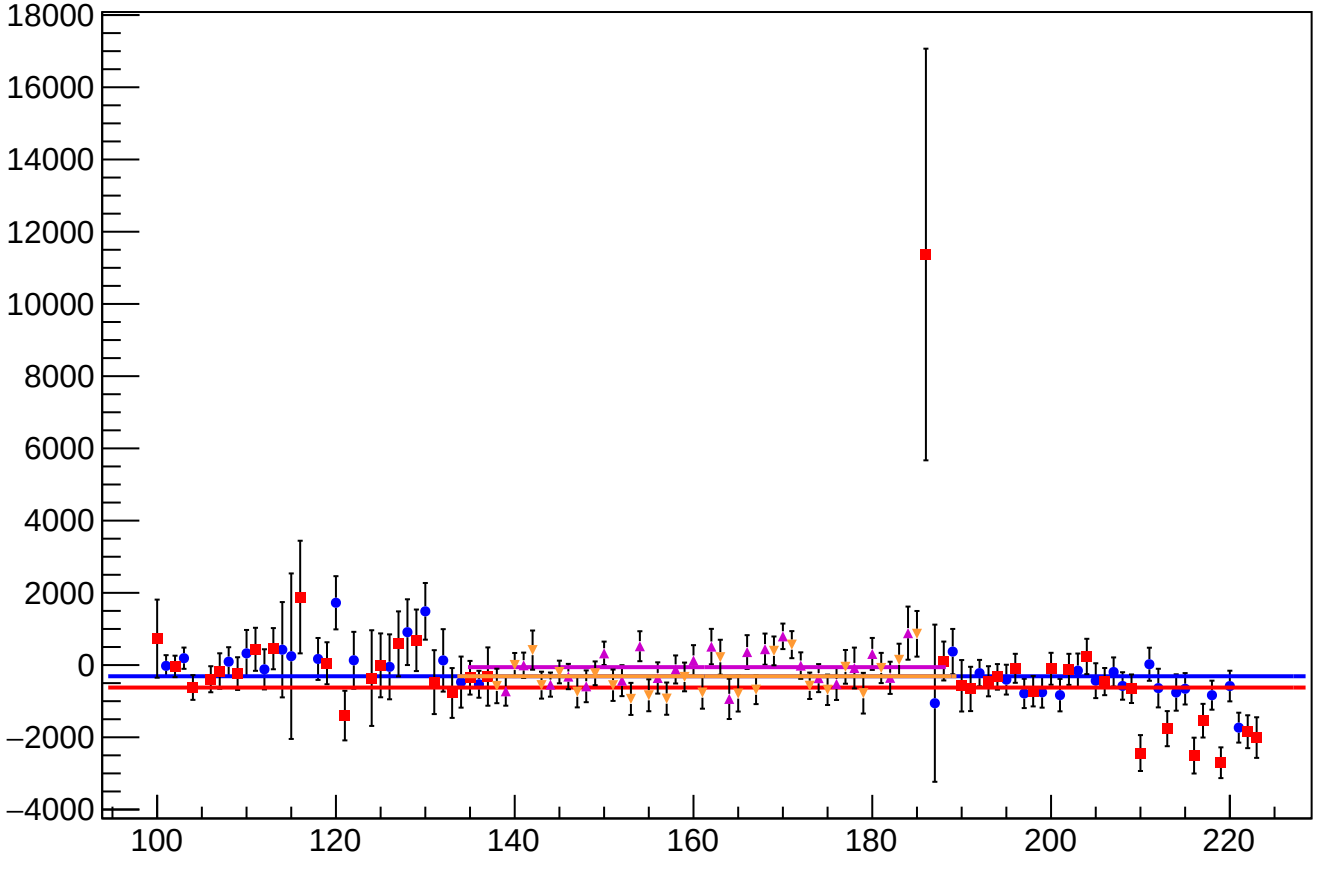
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 381.973+/-0.043 χ^2/NDF: 3193603.3/58

All: 378.831+/-0.030 χ^2/NDF: 7409619.4/120

- sign 375.737+/-0.043 χ^2/NDF: 4205387.8/61

asym_sam_37_48_dd_mean vs Slug



Right In: -309.844+/-82.769 χ^2/NDF: 44.9/33

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -622.590+/-80.314 χ^2/NDF: 113.9/38

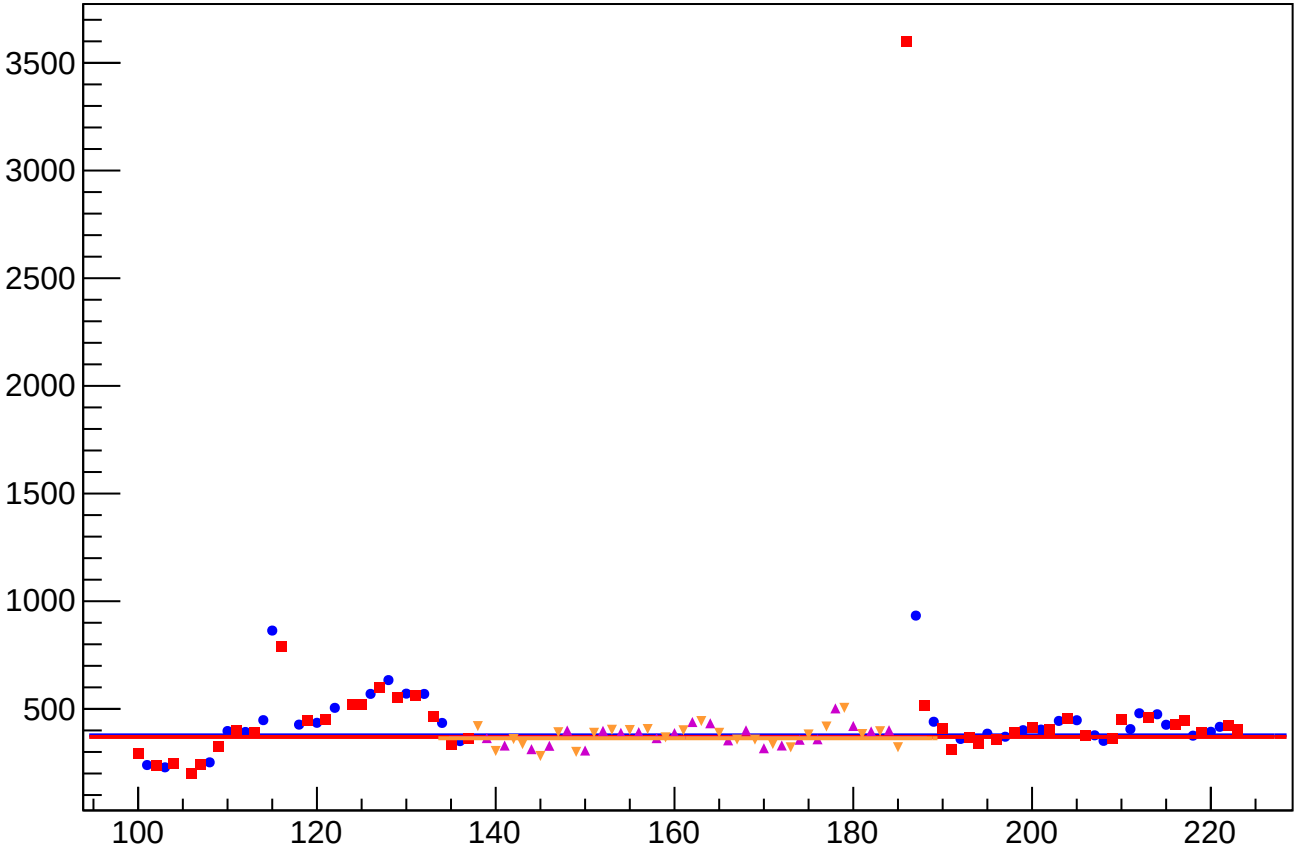
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -309.590+/-58.855 χ^2/NDF: 74.9/58

All: -334.879+/-41.586 χ^2/NDF: 240.2/120

- sign -360.094+/-58.769 χ^2/NDF: 164.9/61

asym_sam_37_48_dd_rms vs Slug



Right In: 377.063+/-0.059 χ^2/NDF: 2274686.7/33

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

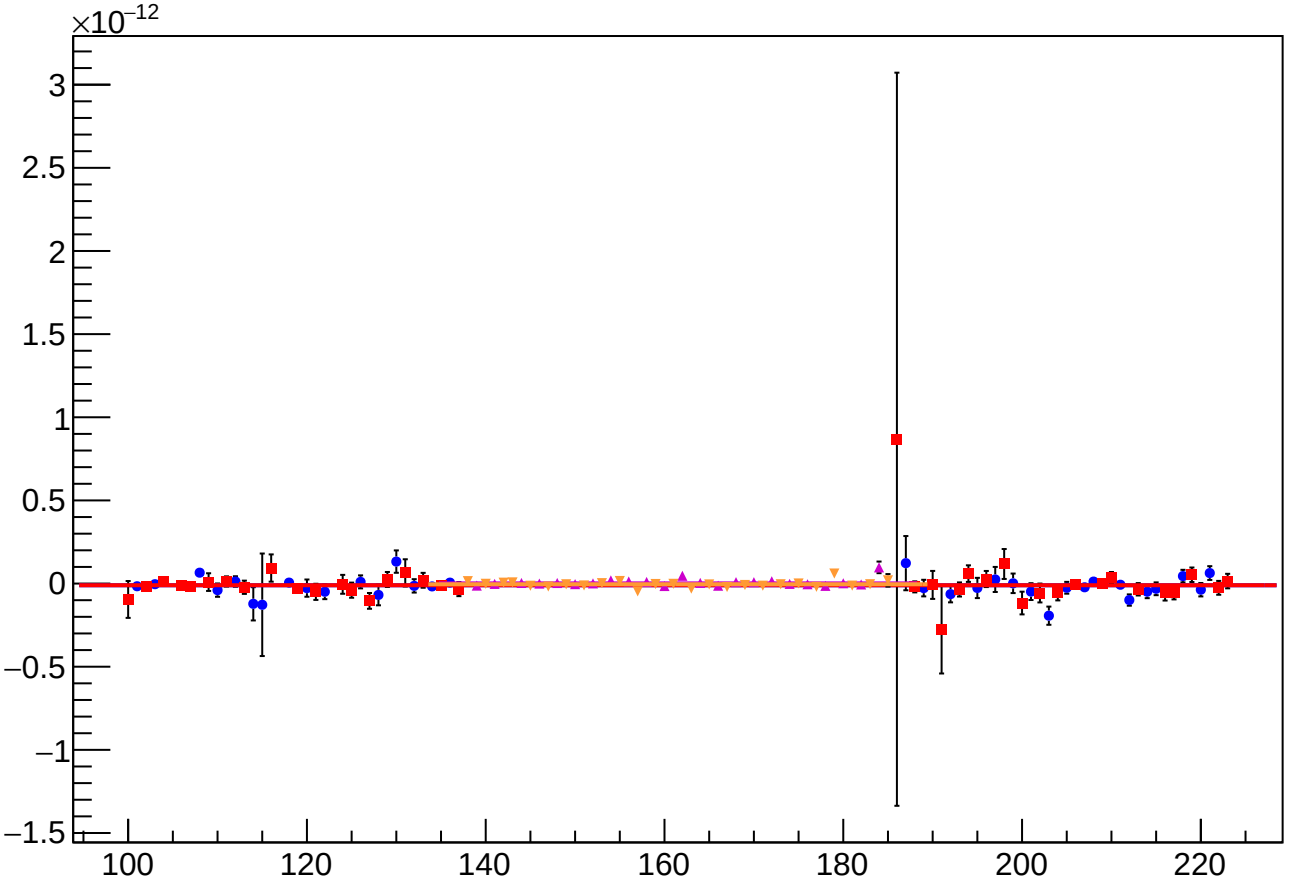
Right Out: 369.756+/-0.057 χ^2/NDF: 3102657.1/38

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 370.464+/-0.042 χ^2/NDF: 2969651.7/58

All: 369.079+/-0.029 χ^2/NDF: 6586848.0/120

- sign 367.697+/-0.042 χ^2/NDF: 3614983.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/38

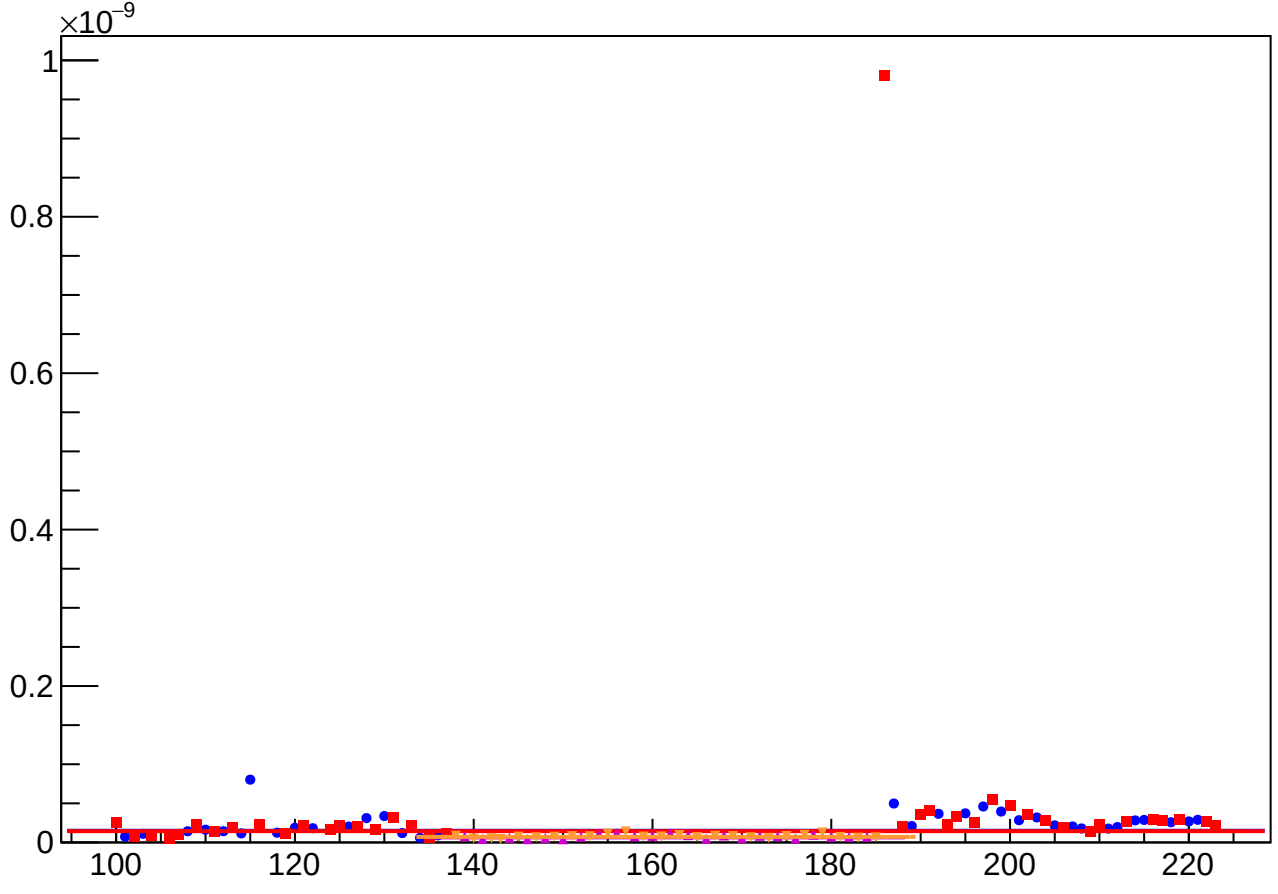
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/58

All: -0.000+/-0.000 χ^2/NDF: 126.5/120

- sign -0.000+/-0.000 χ^2/NDF: 55.7/61

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5235998.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

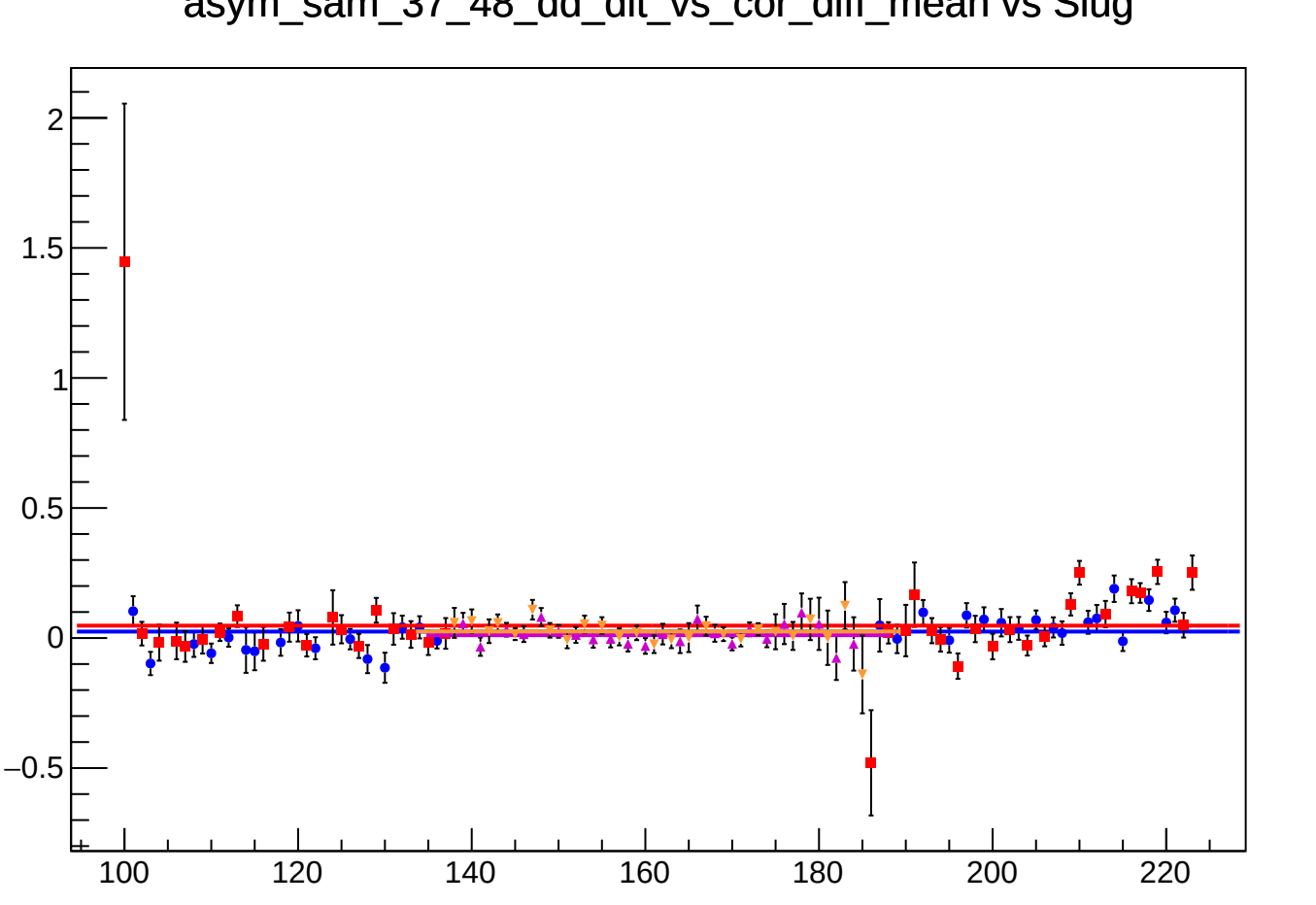
Right Out: 0.000+/-0.000 χ^2/NDF: 6060853.0/38

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9512081.5/58

All: 0.000+/-0.000 χ^2/NDF: 20512292.0/120

- sign 0.000+/-0.000 χ^2/NDF: 10928316.3/61



Right In: 0.025+/-0.008 χ^2/NDF: 66.2/33

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.048+/-0.008 χ^2/NDF: 123.6/38

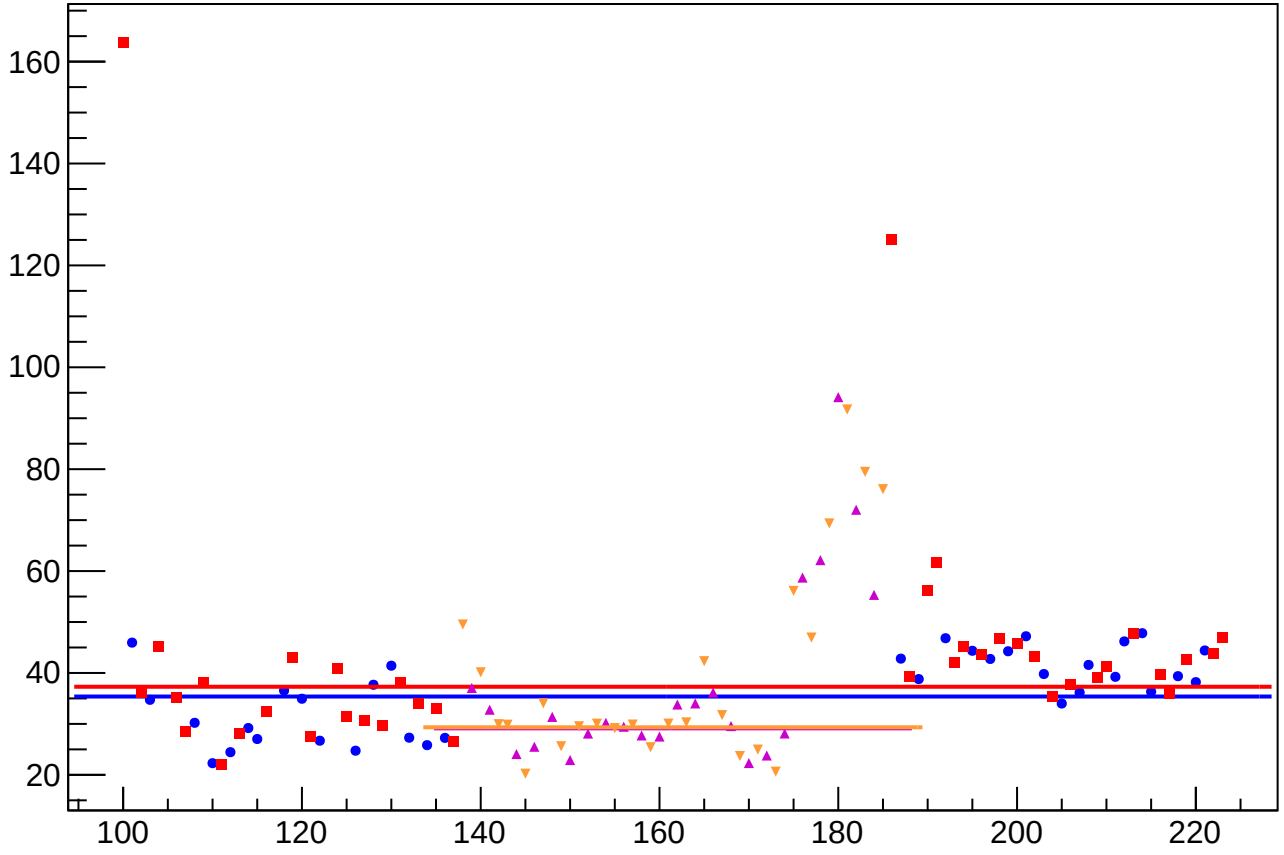
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.025+/-0.005 χ^2/NDF: 83.6/58

All: 0.026+/-0.004 χ^2/NDF: 237.6/120

- sign 0.027+/-0.005 χ^2/NDF: 153.9/61

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.373+/-0.006 χ^2/NDF: 1959876.5/33

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

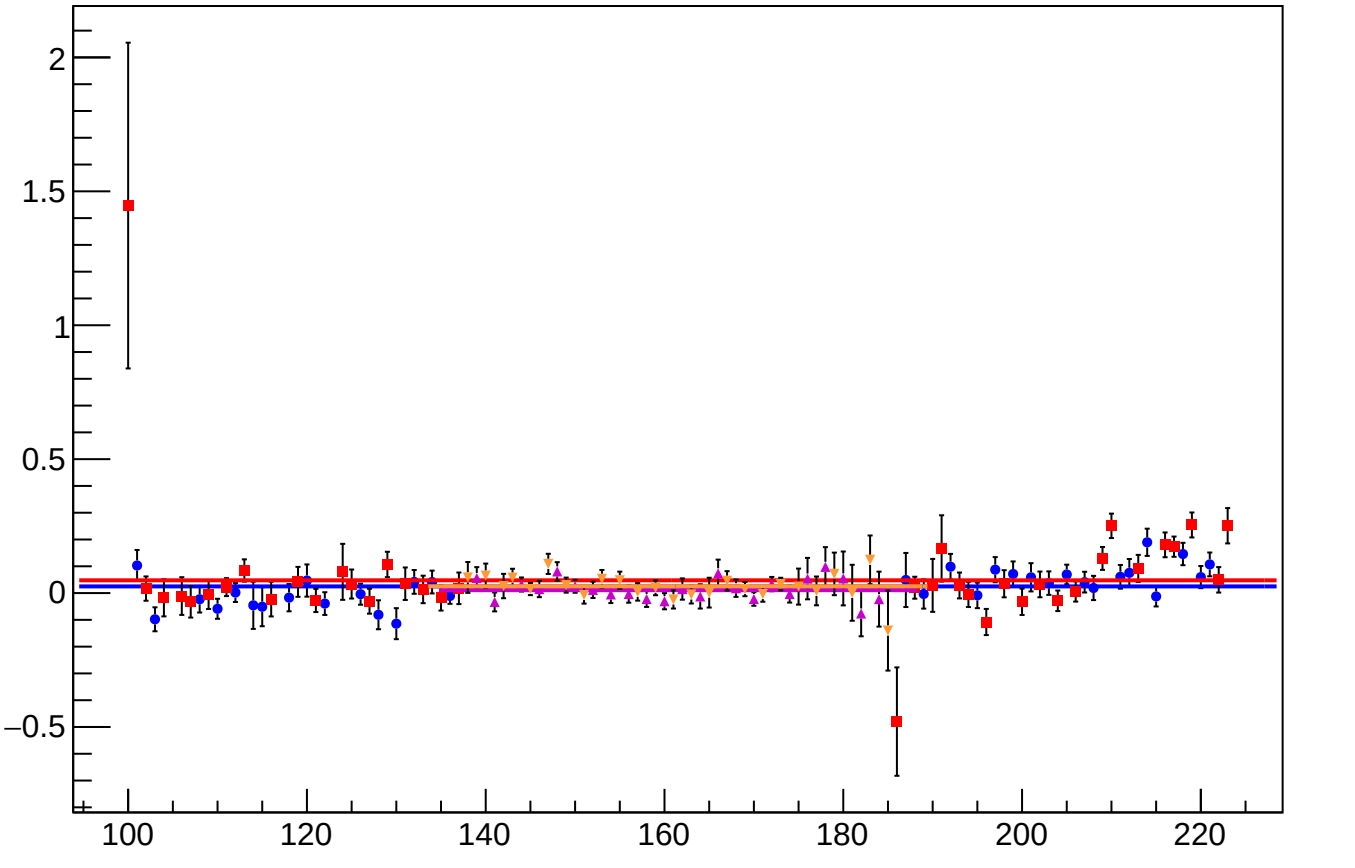
Right Out: 37.293+/-0.006 χ^2/NDF: 2037825.2/38

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 32.102+/-0.004 χ^2/NDF: 6483106.4/58

All: 32.435+/-0.003 χ^2/NDF: 12499891.1/120

- sign 32.786+/-0.004 χ^2/NDF: 6000445.8/61



Right In: 0.025+/-0.008 χ^2/NDF: 66.2/33

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

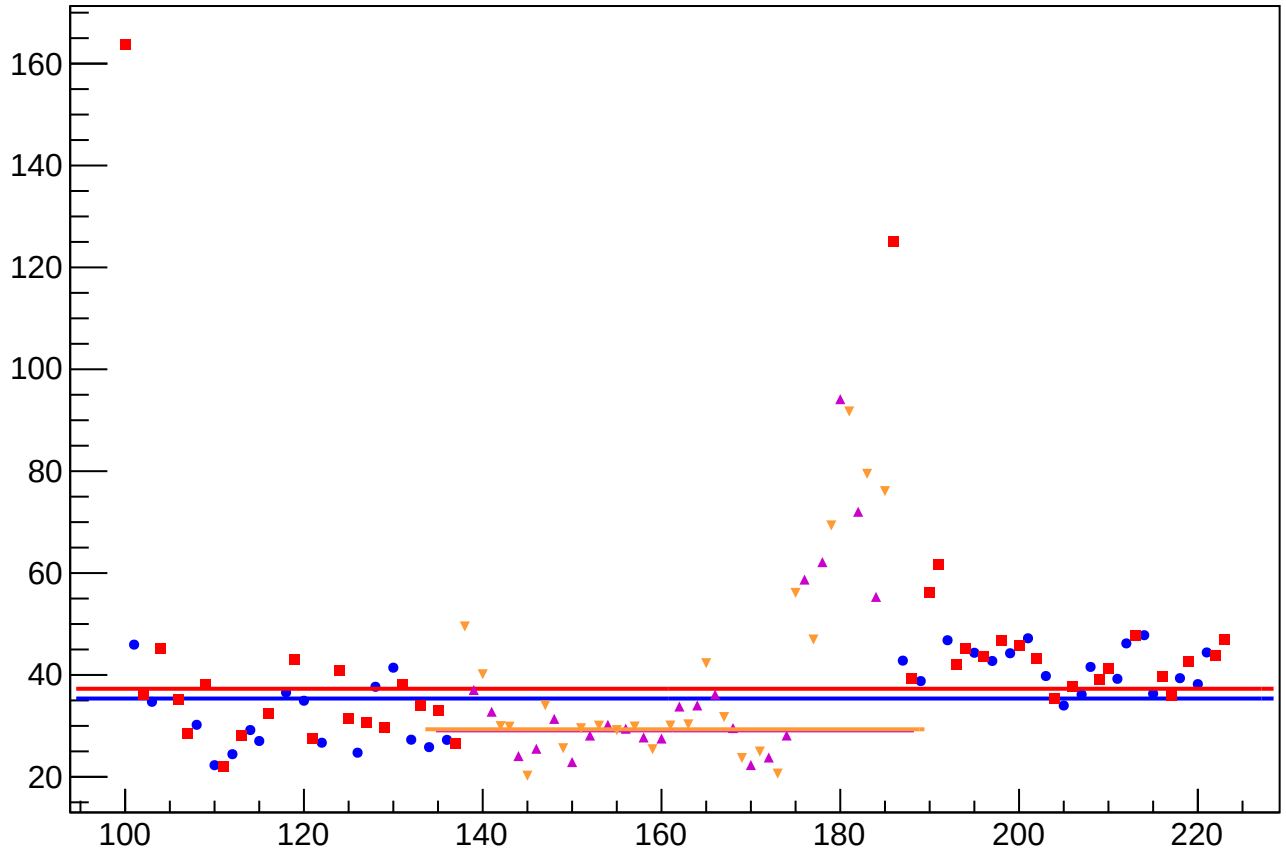
Right Out: 0.048+/-0.008 χ^2/NDF: 123.6/38

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.025+/-0.005 χ^2/NDF: 83.6/58

All: 0.026+/-0.004 χ^2/NDF: 237.6/120

- sign 0.027+/-0.005 χ^2/NDF: 153.9/61



Right In: 35.373+/-0.006 χ^2/NDF: 1959876.5/33

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

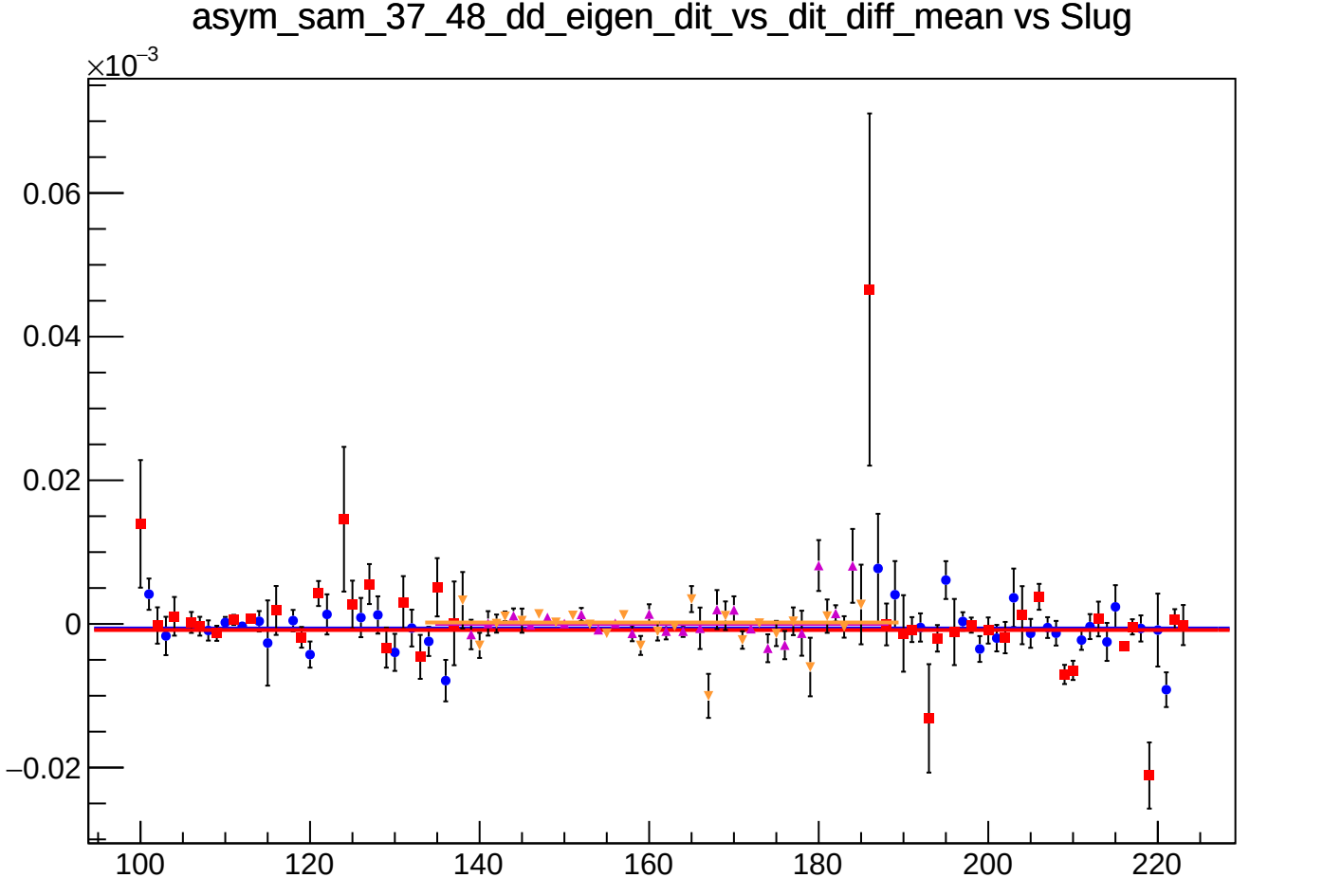
Right Out: 37.293+/-0.006 χ^2/NDF: 2037825.2/38

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 32.102+/-0.004 χ^2/NDF: 6483106.4/58

All: 32.435+/-0.003 χ^2/NDF: 12499891.1/120

- sign 32.786+/-0.004 χ^2/NDF: 6000445.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 50.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 124.6/38

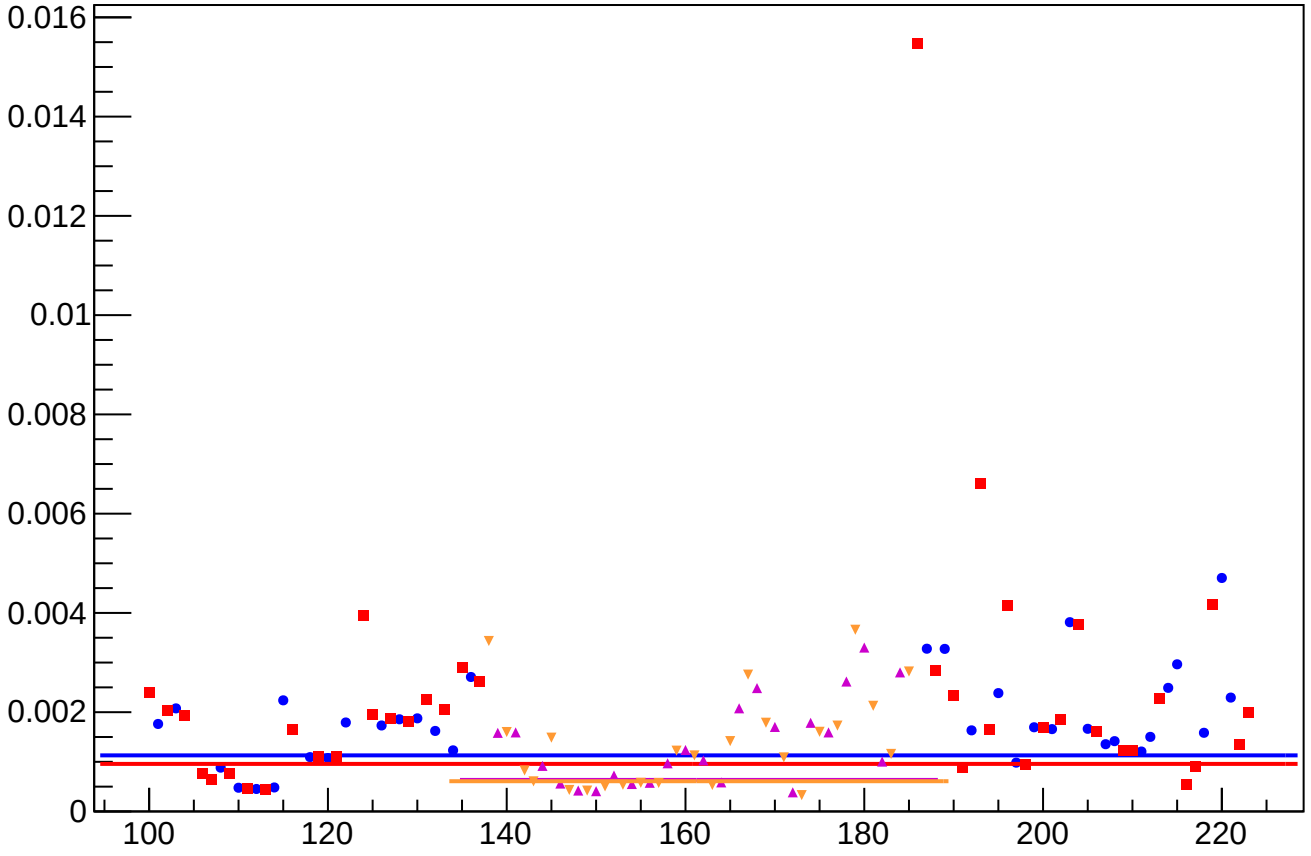
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

\+ sign -0.000+/-0.000 χ^2/NDF: 109.4/58

All: -0.000+/-0.000 χ^2/NDF: 276.4/120

\- sign -0.000+/-0.000 χ^2/NDF: 165.1/61

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11420583.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

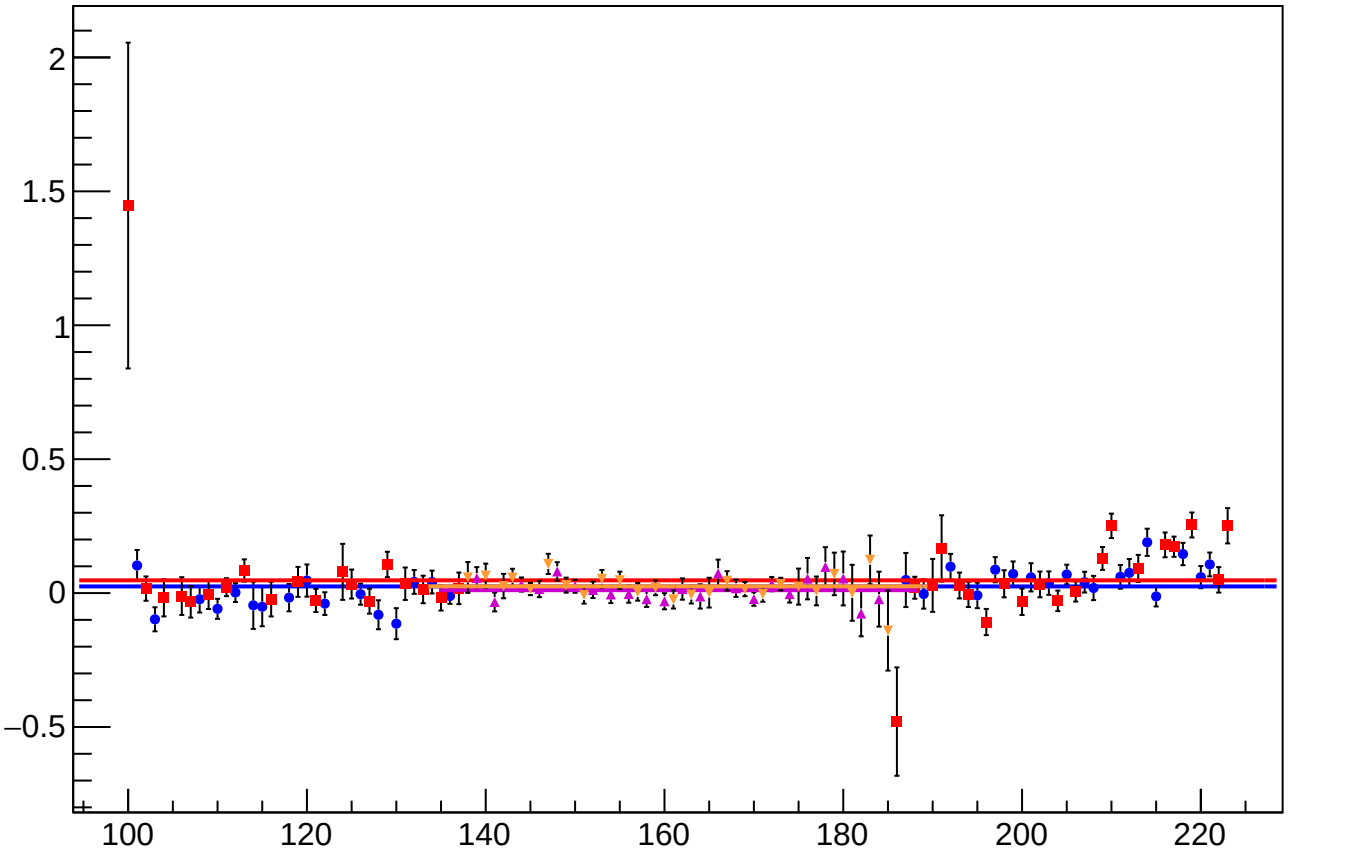
Right Out: 0.001+/-0.000 χ^2/NDF: 14046527.8/38

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 27155456.2/58

All: 0.001+/-0.000 χ^2/NDF: 52777417.9/120

- sign 0.001+/-0.000 χ^2/NDF: 25619069.0/61



Right In: 0.025+/-0.008 χ^2/NDF: 66.2/33

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

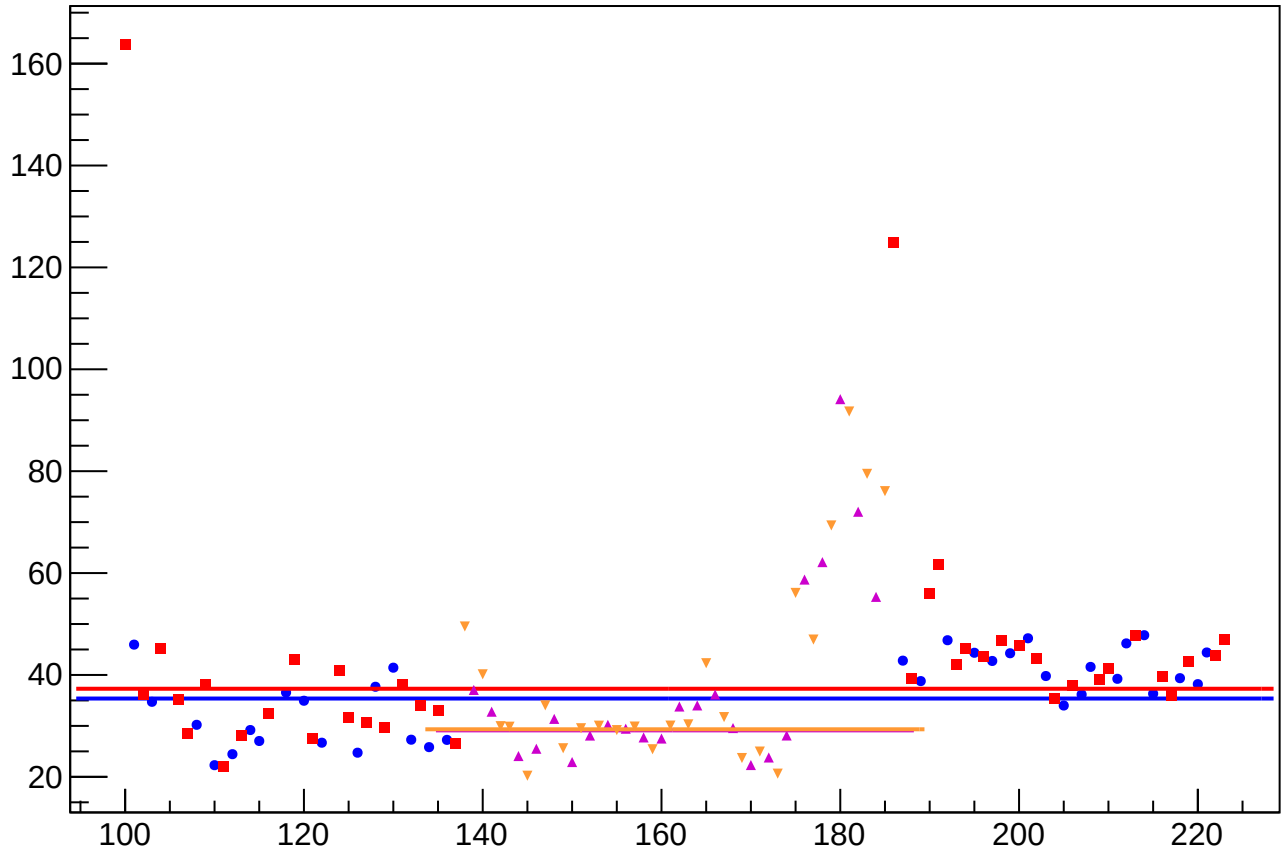
Right Out: 0.048+/-0.008 χ^2/NDF: 123.6/38

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.025+/-0.005 χ^2/NDF: 83.6/58

All: 0.026+/-0.004 χ^2/NDF: 237.6/120

- sign 0.027+/-0.005 χ^2/NDF: 153.9/61



Right In: 35.373+/-0.006 χ^2/NDF: 1959719.8/33

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

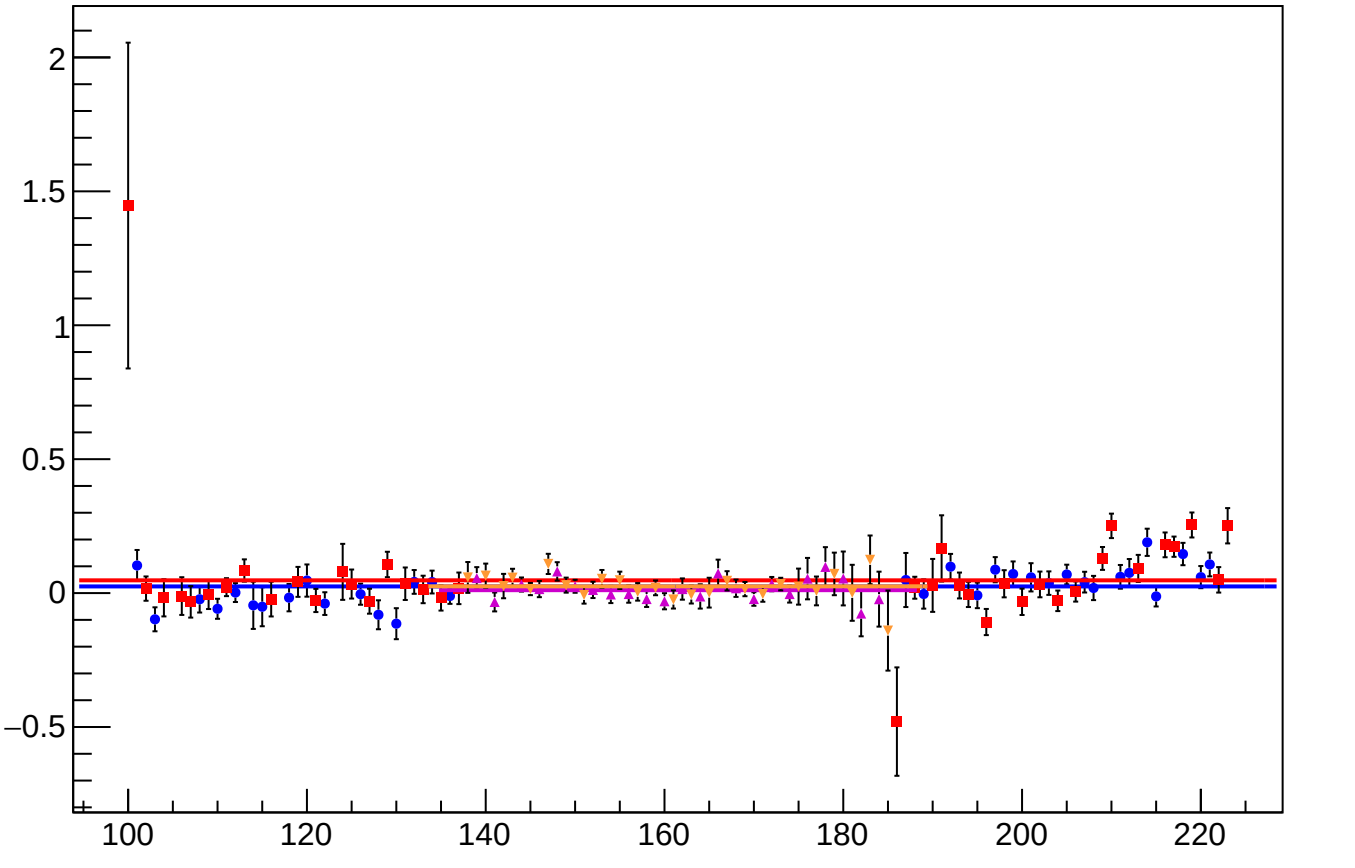
Right Out: 37.293+/-0.006 χ^2/NDF: 2037658.4/38

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 32.101+/-0.004 χ^2/NDF: 6483019.7/58

All: 32.435+/-0.003 χ^2/NDF: 12499646.6/120

- sign 32.786+/-0.004 χ^2/NDF: 6000283.9/61



Right In: 0.025+/-0.008 χ^2/NDF: 66.2/33

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

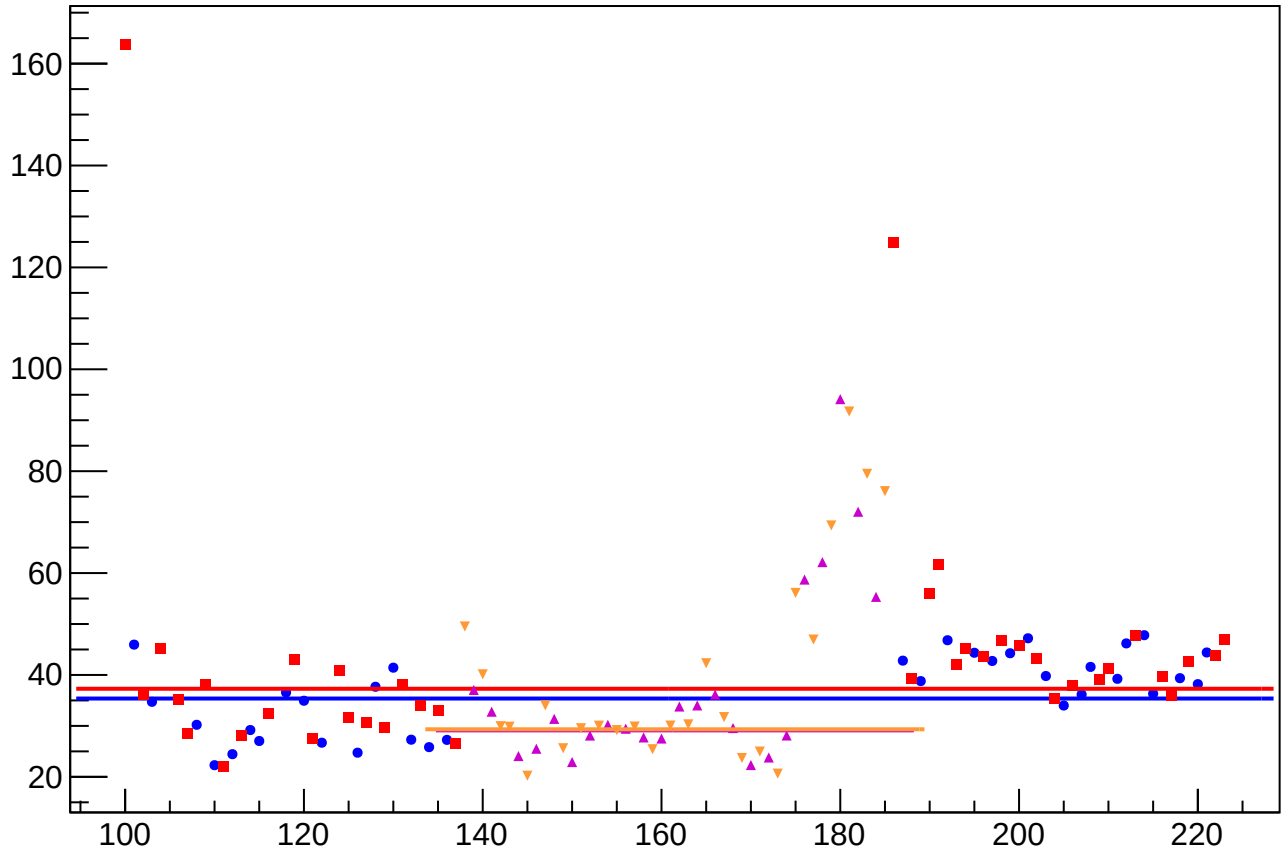
Right Out: 0.048+/-0.008 χ^2/NDF: 123.6/38

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.025+/-0.005 χ^2/NDF: 83.6/58

All: 0.026+/-0.004 χ^2/NDF: 237.6/120

- sign 0.027+/-0.005 χ^2/NDF: 153.9/61



Right In: 35.373+/-0.006 χ^2/NDF: 1959719.8/33

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

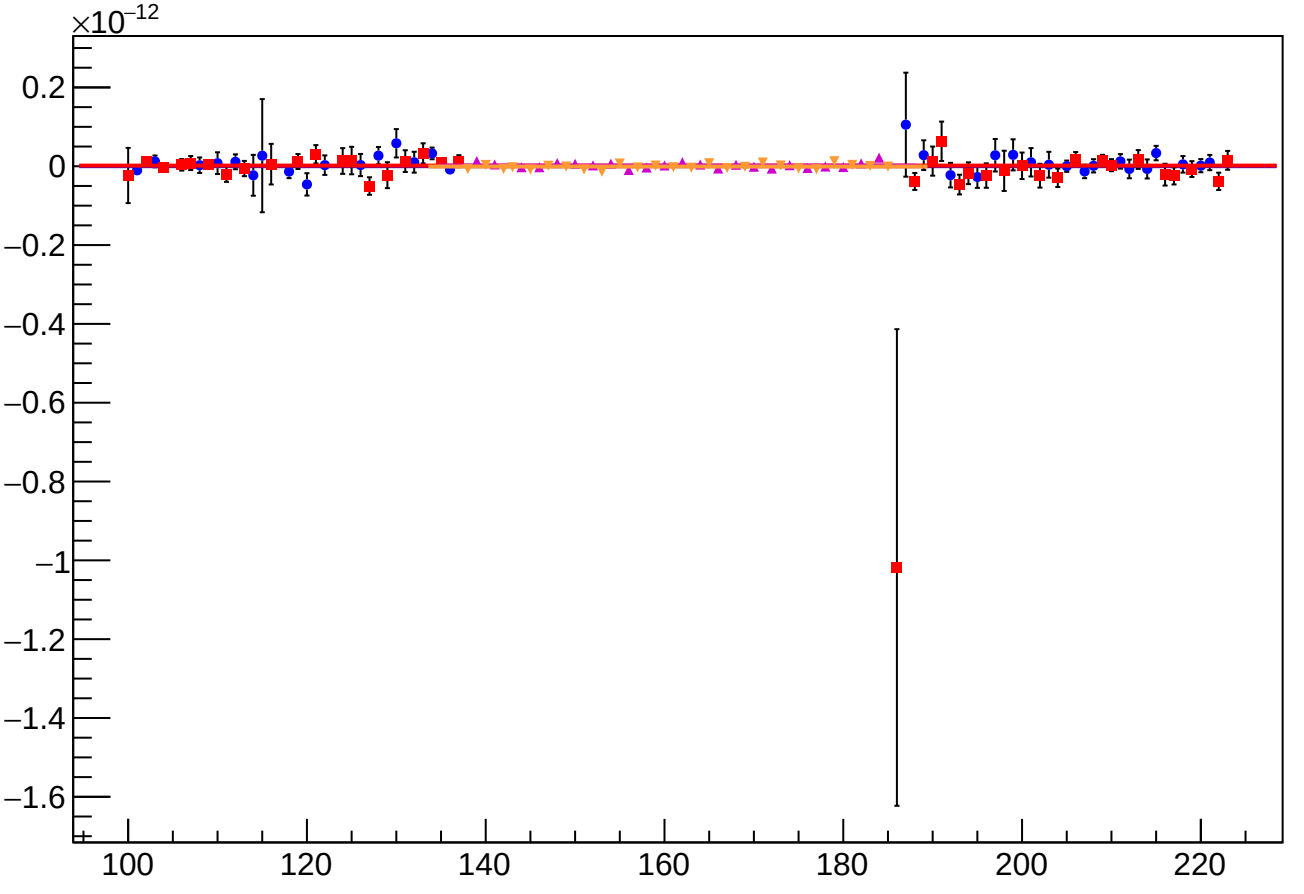
Right Out: 37.293+/-0.006 χ^2/NDF: 2037658.4/38

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 32.101+/-0.004 χ^2/NDF: 6483019.7/58

All: 32.435+/-0.003 χ^2/NDF: 12499646.6/120

- sign 32.786+/-0.004 χ^2/NDF: 6000283.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

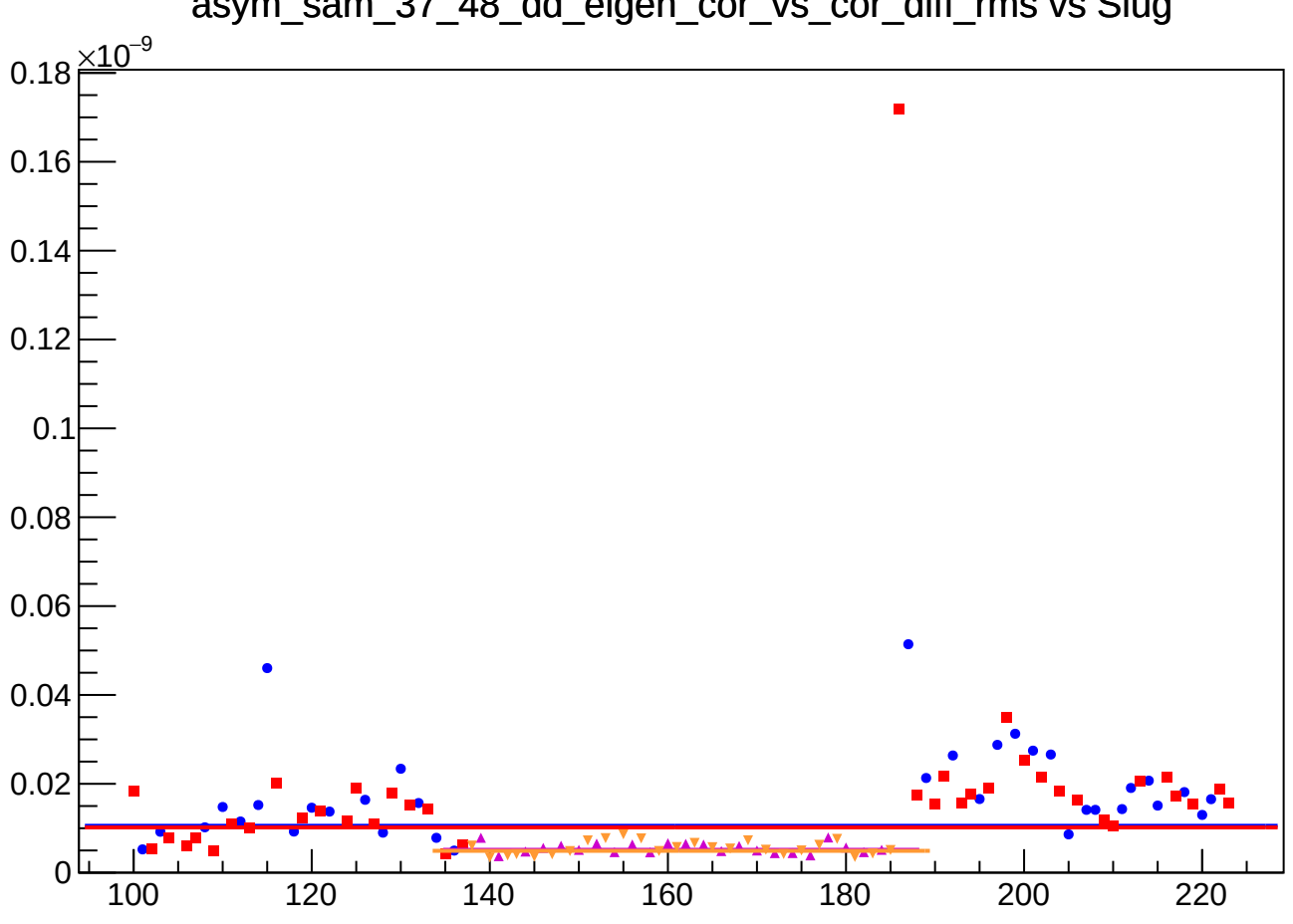
Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/38

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/58

All: 0.000+/-0.000 χ^2/NDF: 96.5/120

- sign 0.000+/-0.000 χ^2/NDF: 54.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 7560425.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7346218.8/38

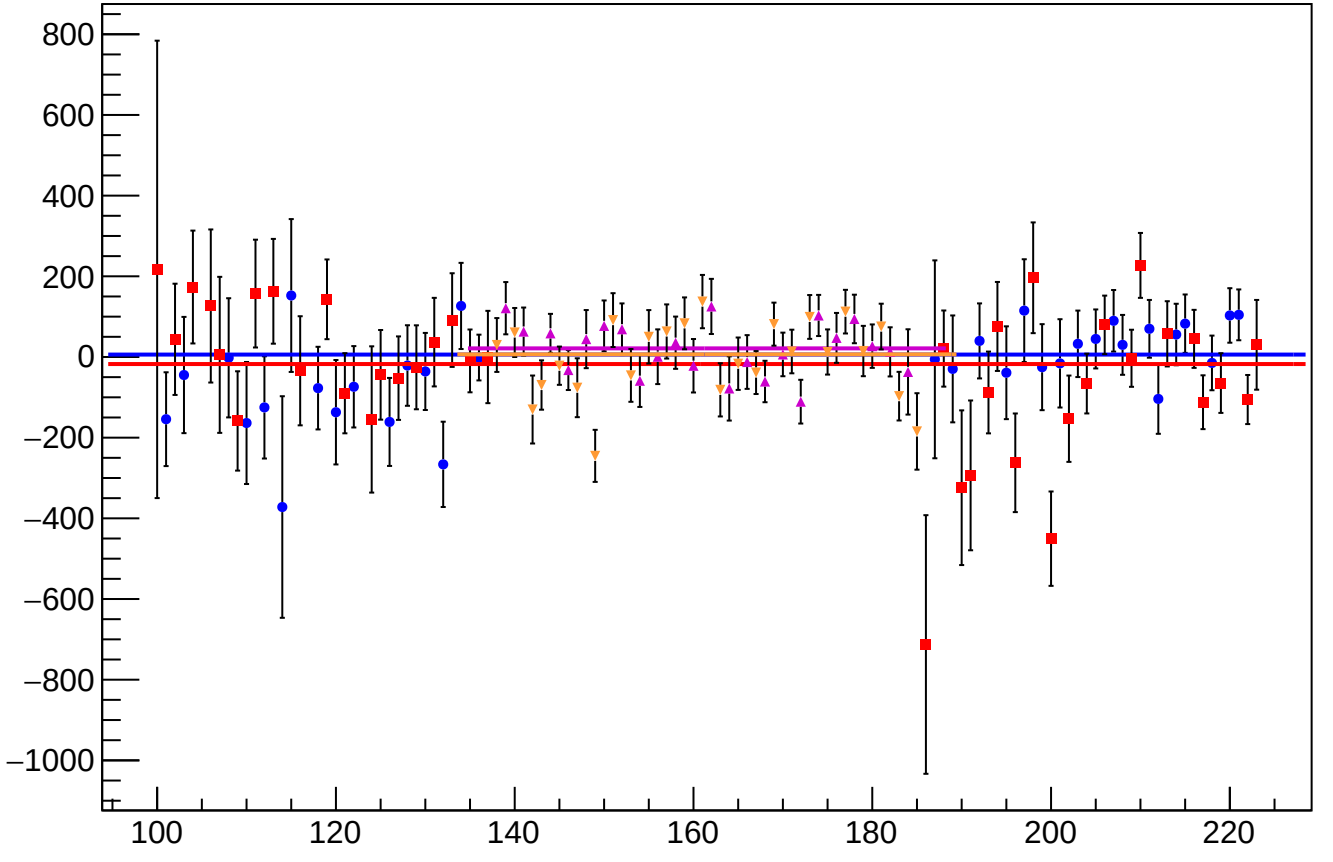
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14926837.6/58

All: 0.000+/-0.000 χ^2/NDF: 27802503.1/120

- sign 0.000+/-0.000 χ^2/NDF: 12841042.1/61

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 5.967+/-15.979 χ^2/NDF: 31.3/33

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -17.504+/-16.296 χ^2/NDF: 63.2/38

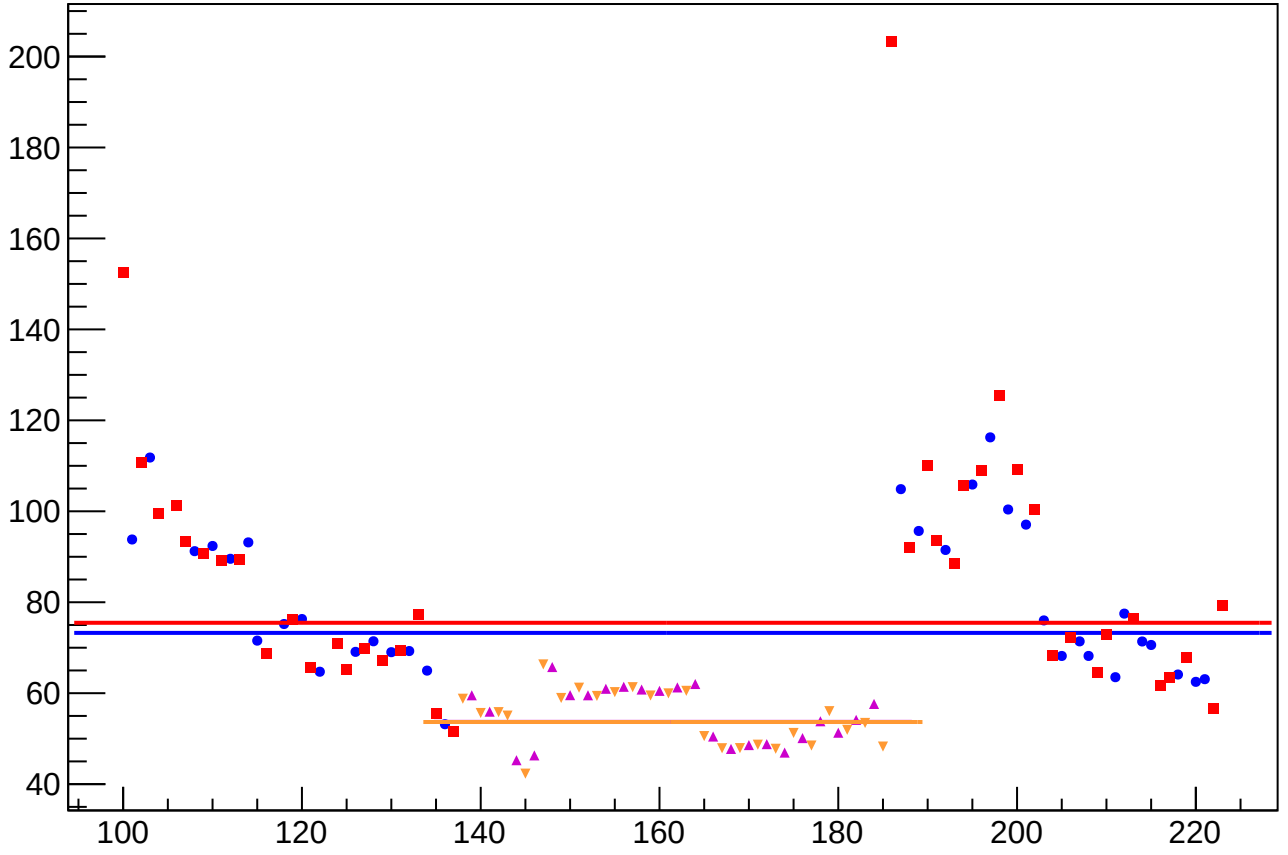
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign 6.316+/-9.740 χ^2/NDF: 81.9/58

All: 6.519+/-6.975 χ^2/NDF: 174.1/120

- sign 6.732+/-9.992 χ^2/NDF: 92.2/61

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 73.261+/-0.011 χ^2/NDF: 1588526.0/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 75.484+/-0.012 χ^2/NDF: 2410018.2/38

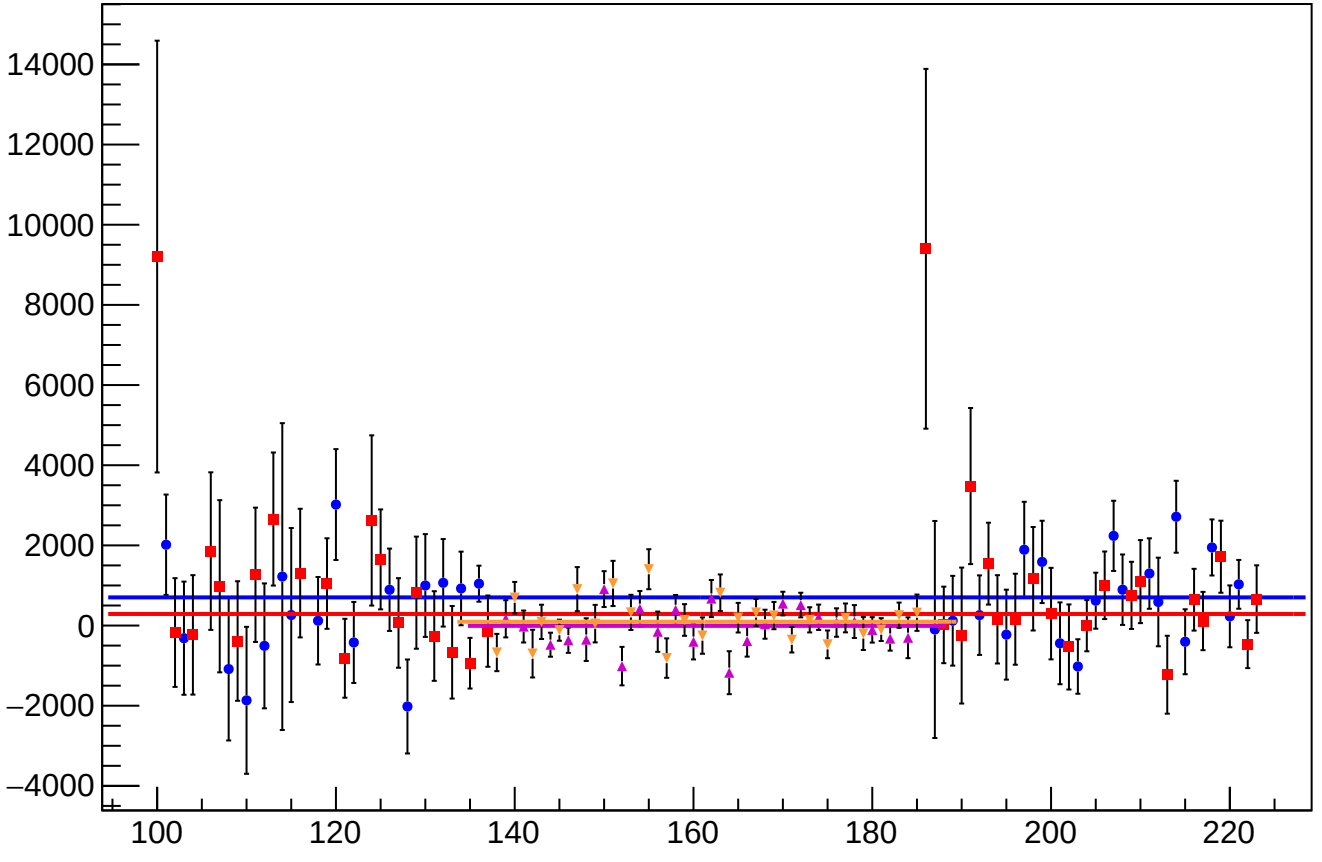
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.947+/-0.007 χ^2/NDF: 3950735.1/58

All: 61.405+/-0.005 χ^2/NDF: 9072403.4/120

- sign 61.887+/-0.007 χ^2/NDF: 5112585.3/61

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 702.369+/-163.283 χ^2/NDF: 40.8/33

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

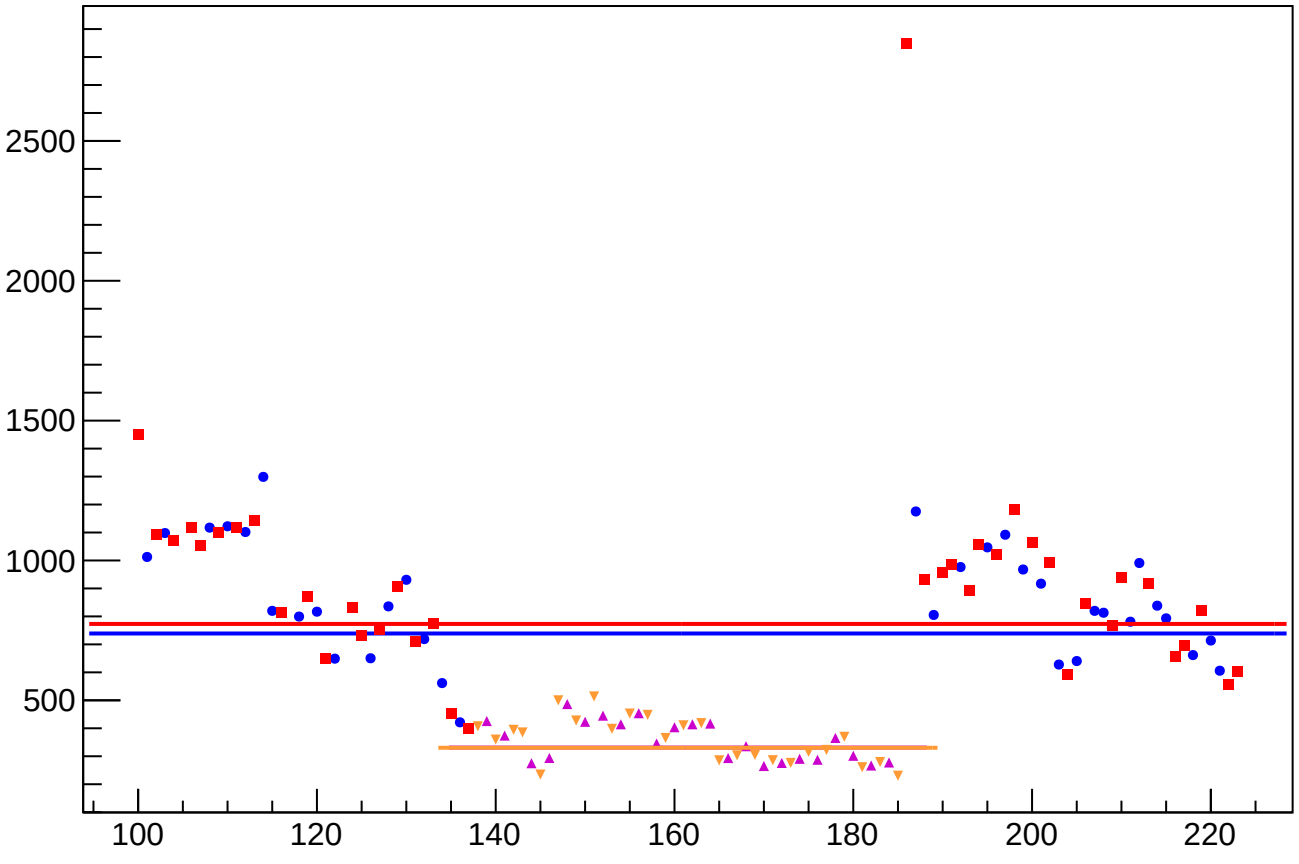
Right Out: 288.824+/-168.474 χ^2/NDF: 34.4/38

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

\+ sign 206.184+/-69.744 χ^2/NDF: 85.3/58

All: 128.091+/-49.966 χ^2/NDF: 157.1/120

\- sign 45.740+/-71.620 χ^2/NDF: 69.2/61



Right In: 738.930+/-0.115 χ^2/NDF: 2780116.7/33

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 773.109+/-0.119 χ^2/NDF: 3439392.7/38

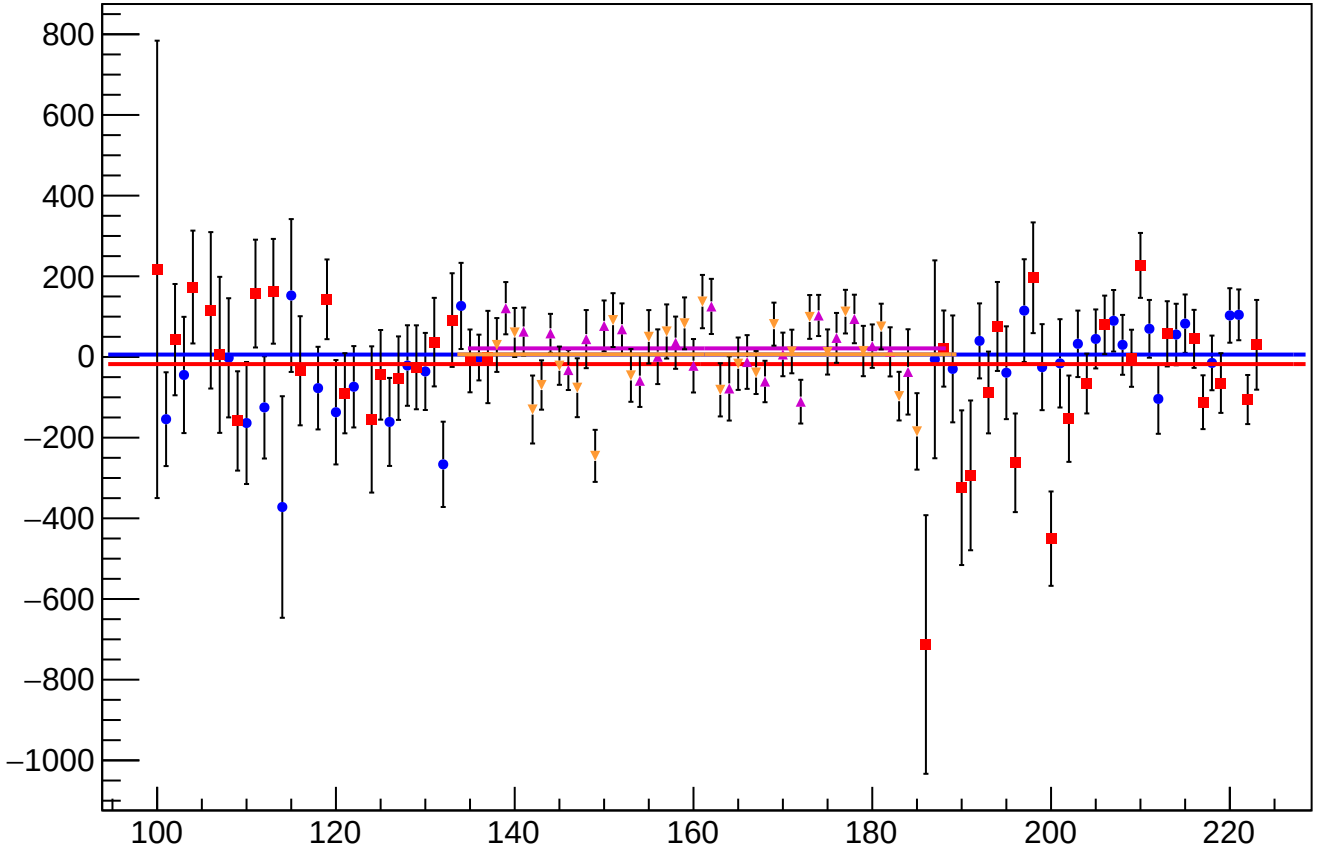
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 404.938+/-0.049 χ^2/NDF: 14767987.8/58

All: 407.862+/-0.035 χ^2/NDF: 30821016.3/12

- sign 410.945+/-0.051 χ^2/NDF: 16045809.3/61

cor_asym_sam_15_26_dd_mean vs Slug



Right In: 5.973+/-15.979 χ^2/NDF: 31.3/33

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -17.639+/-16.298 χ^2/NDF: 63.1/38

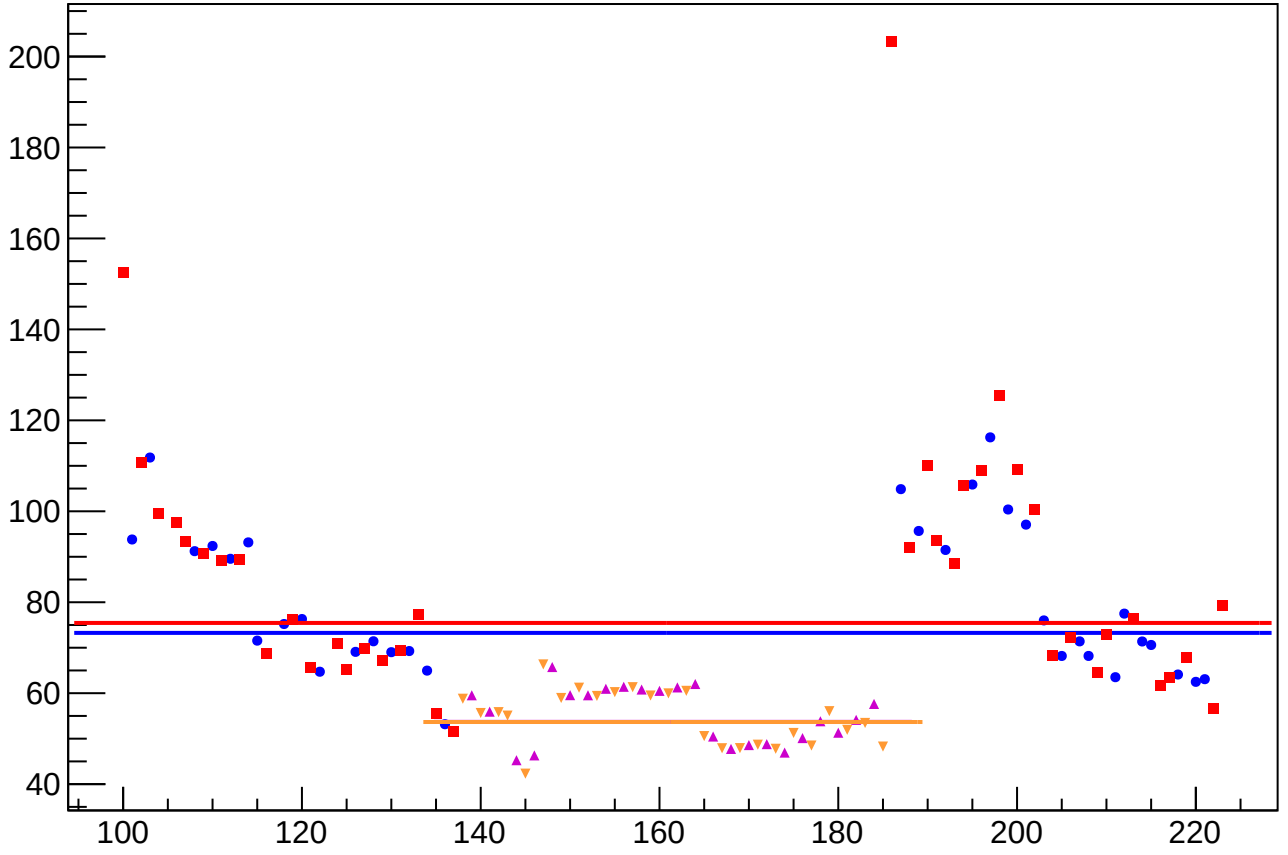
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 6.320+/-9.740 χ^2/NDF: 81.9/58

All: 6.498+/-6.975 χ^2/NDF: 174.0/120

- sign 6.684+/-9.993 χ^2/NDF: 92.1/61

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 73.261+/-0.011 χ^2/NDF: 1588528.4/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 75.450+/-0.012 χ^2/NDF: 2399368.8/38

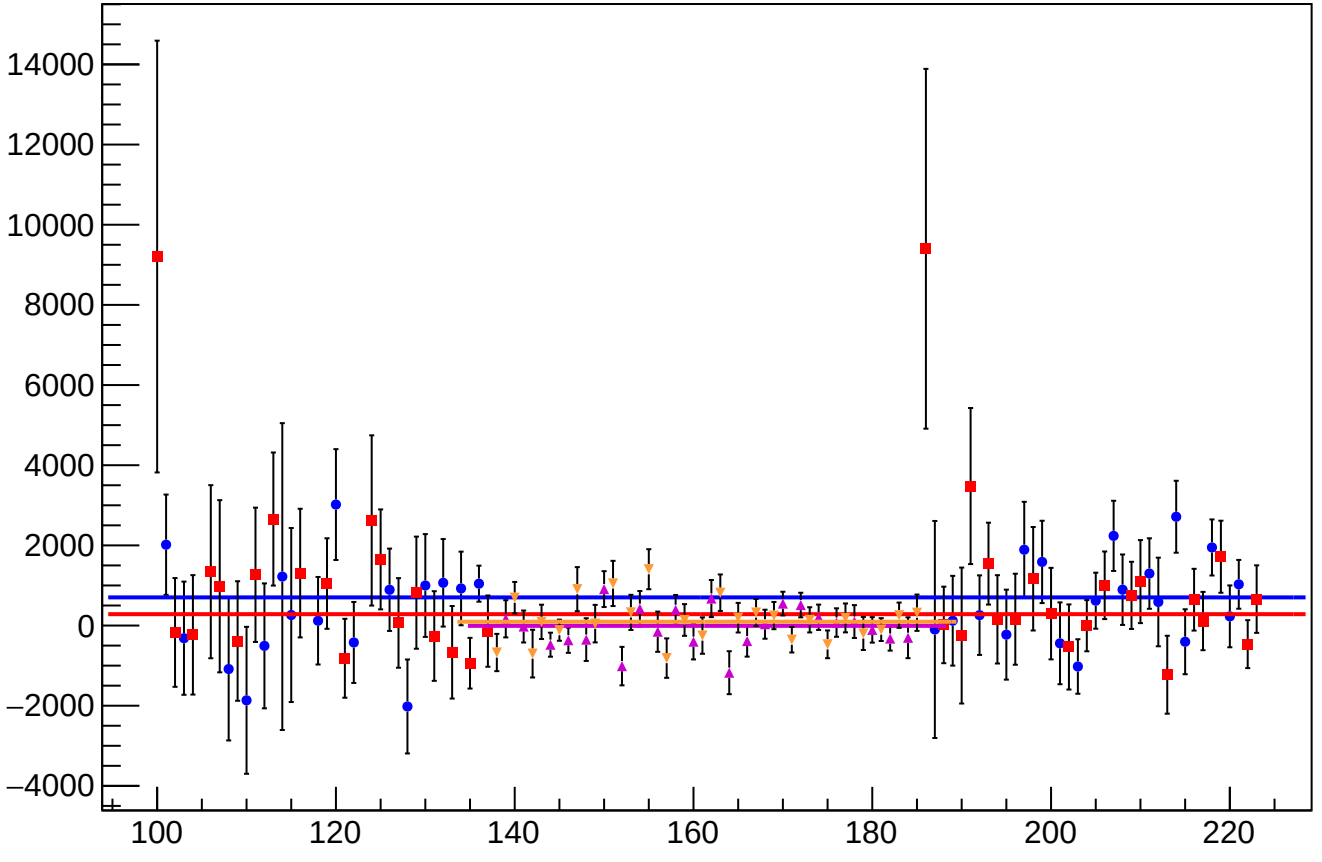
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.947+/-0.007 χ^2/NDF: 3950737.6/58

All: 61.398+/-0.005 χ^2/NDF: 9054099.7/120

- sign 61.873+/-0.007 χ^2/NDF: 5094555.6/61

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 702.369+/-163.283 χ^2/NDF: 40.8/33

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 283.765+/-168.582 χ^2/NDF: 34.0/38

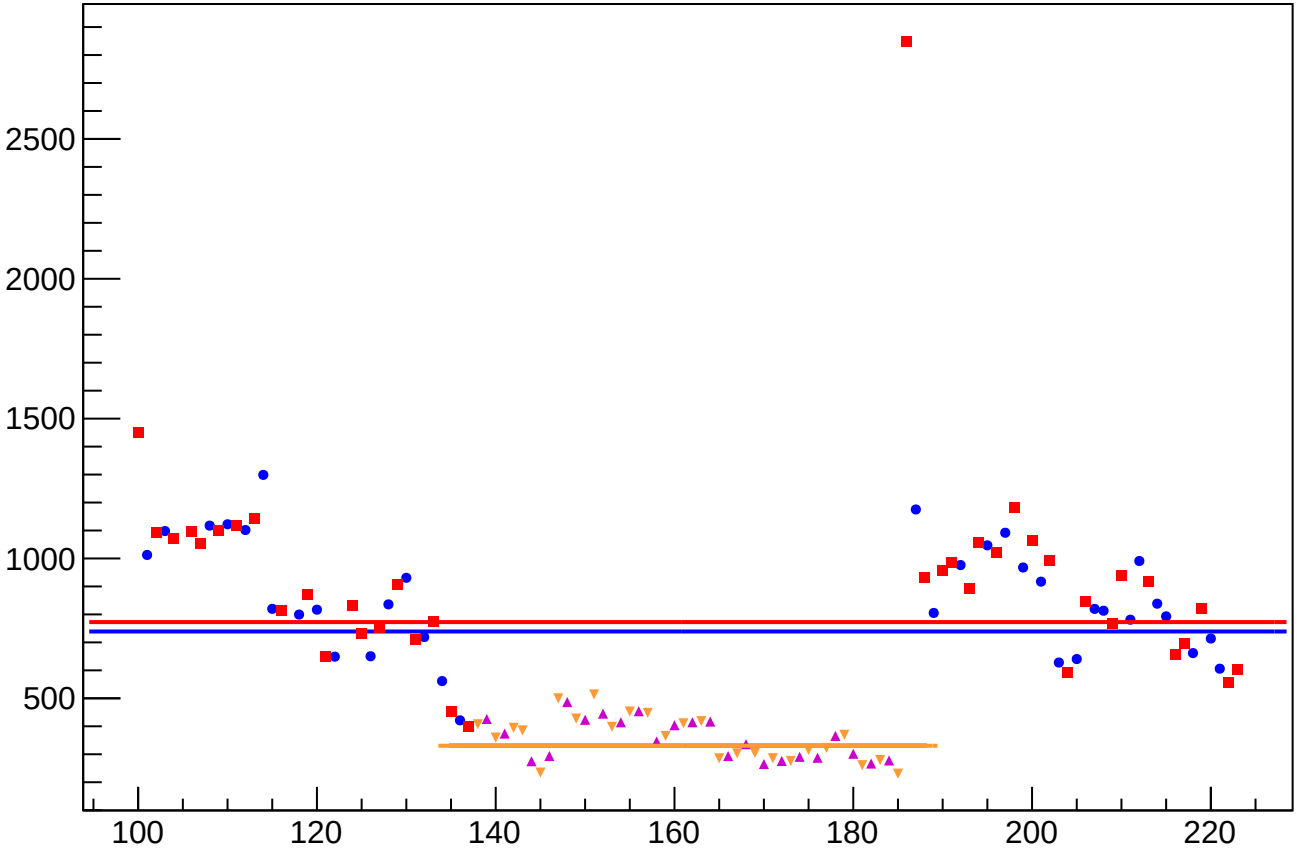
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 206.186+/-69.744 χ^2/NDF: 85.3/58

All: 127.631+/-49.969 χ^2/NDF: 156.6/120

- sign 44.774+/-71.628 χ^2/NDF: 68.7/61

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 738.931+/-0.115 χ^2/NDF: 2780137.2/33

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 772.540+/-0.119 χ^2/NDF: 3422626.0/38

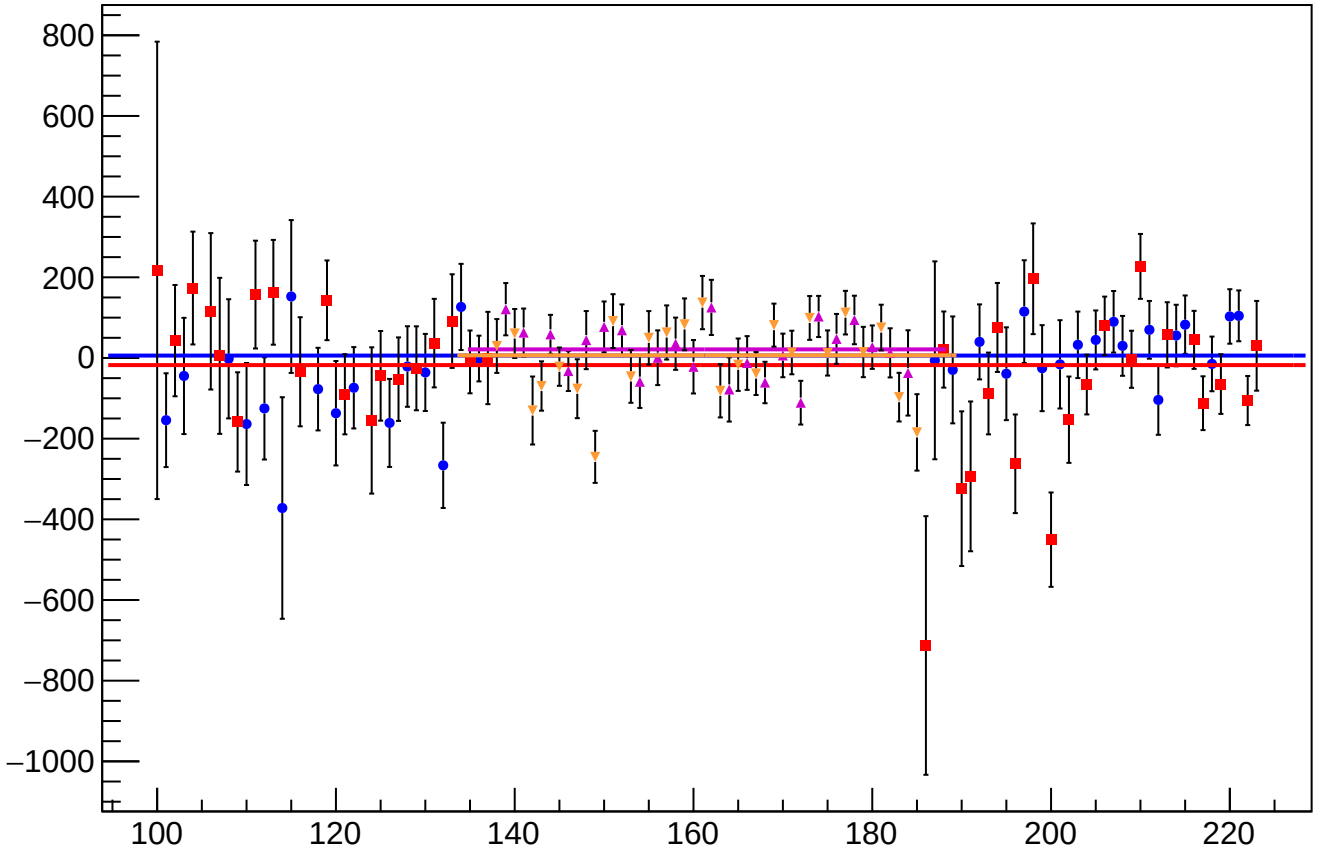
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 404.938+/-0.049 χ^2/NDF: 14768009.6/58

All: 407.771+/-0.035 χ^2/NDF: 30763009.9/12

- sign 410.758+/-0.051 χ^2/NDF: 15988223.5/61

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: 5.973+/-15.979 χ^2/NDF: 31.3/33

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -17.639+/-16.298 χ^2/NDF: 63.1/38

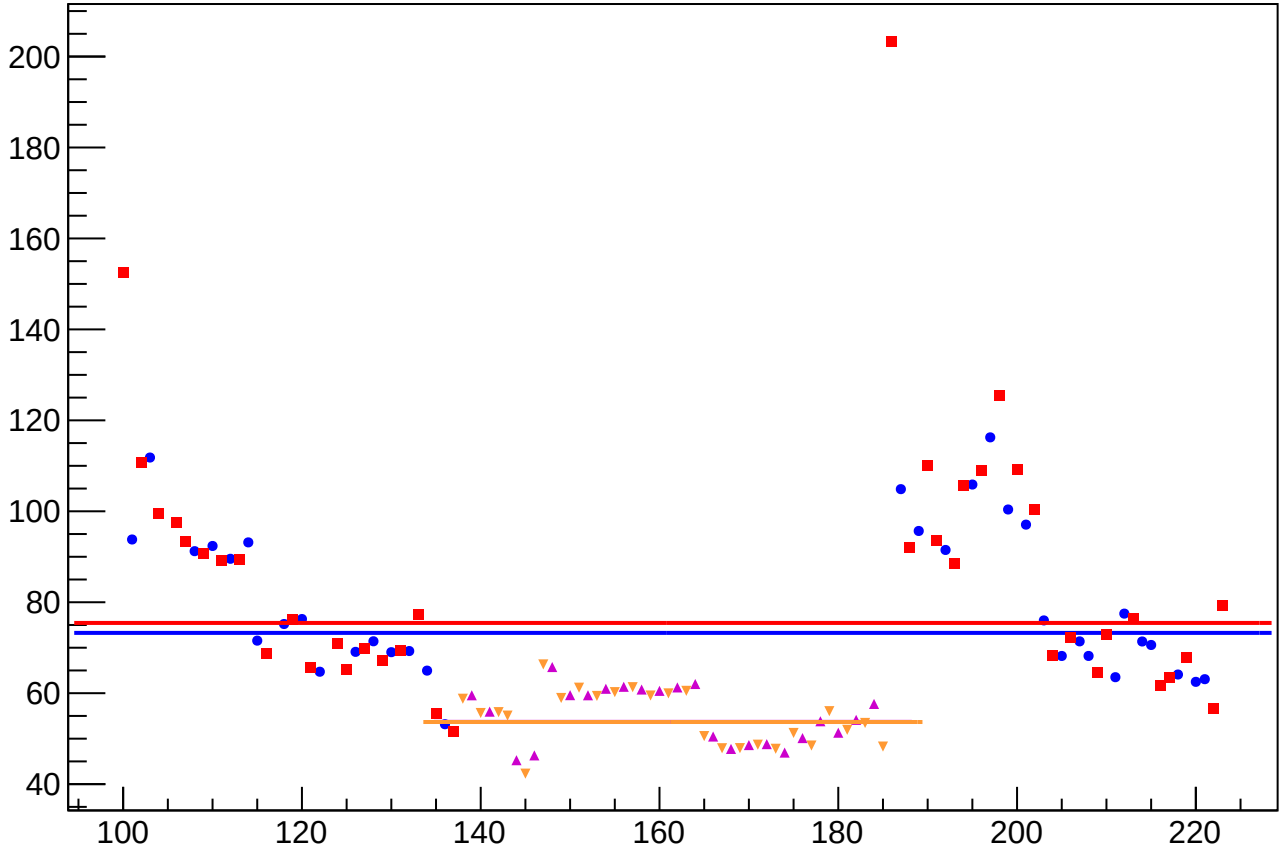
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 6.320+/-9.740 χ^2/NDF: 81.9/58

All: 6.498+/-6.975 χ^2/NDF: 174.0/120

- sign 6.684+/-9.993 χ^2/NDF: 92.1/61

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 73.261+/-0.011 χ^2/NDF: 1588528.4/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

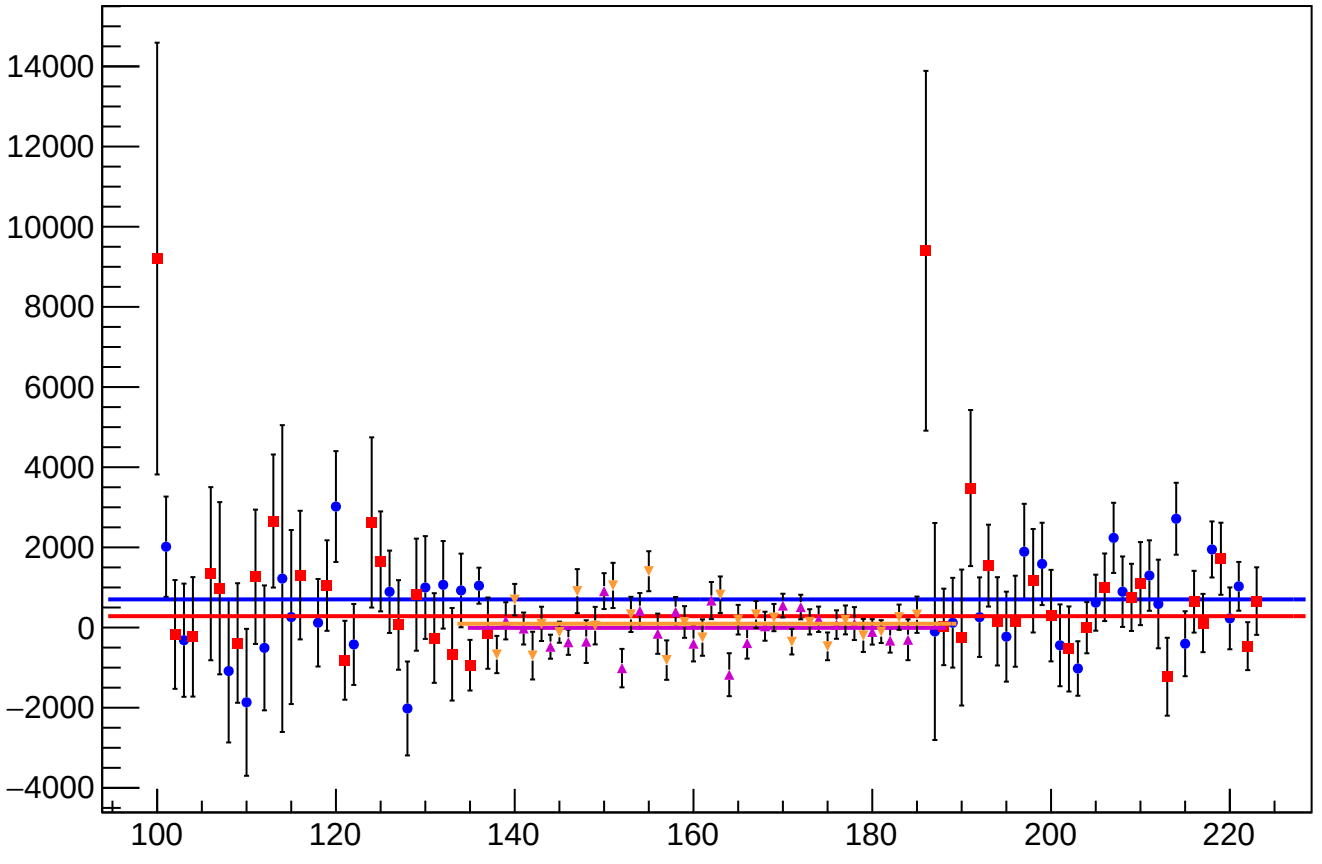
Right Out: 75.450+/-0.012 χ^2/NDF: 2399368.8/38

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.947+/-0.007 χ^2/NDF: 3950737.6/58

All: 61.398+/-0.005 χ^2/NDF: 9054099.7/120

- sign 61.873+/-0.007 χ^2/NDF: 5094555.6/61



Right In: 702.369+/-163.283 χ^2/NDF: 40.8/33

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

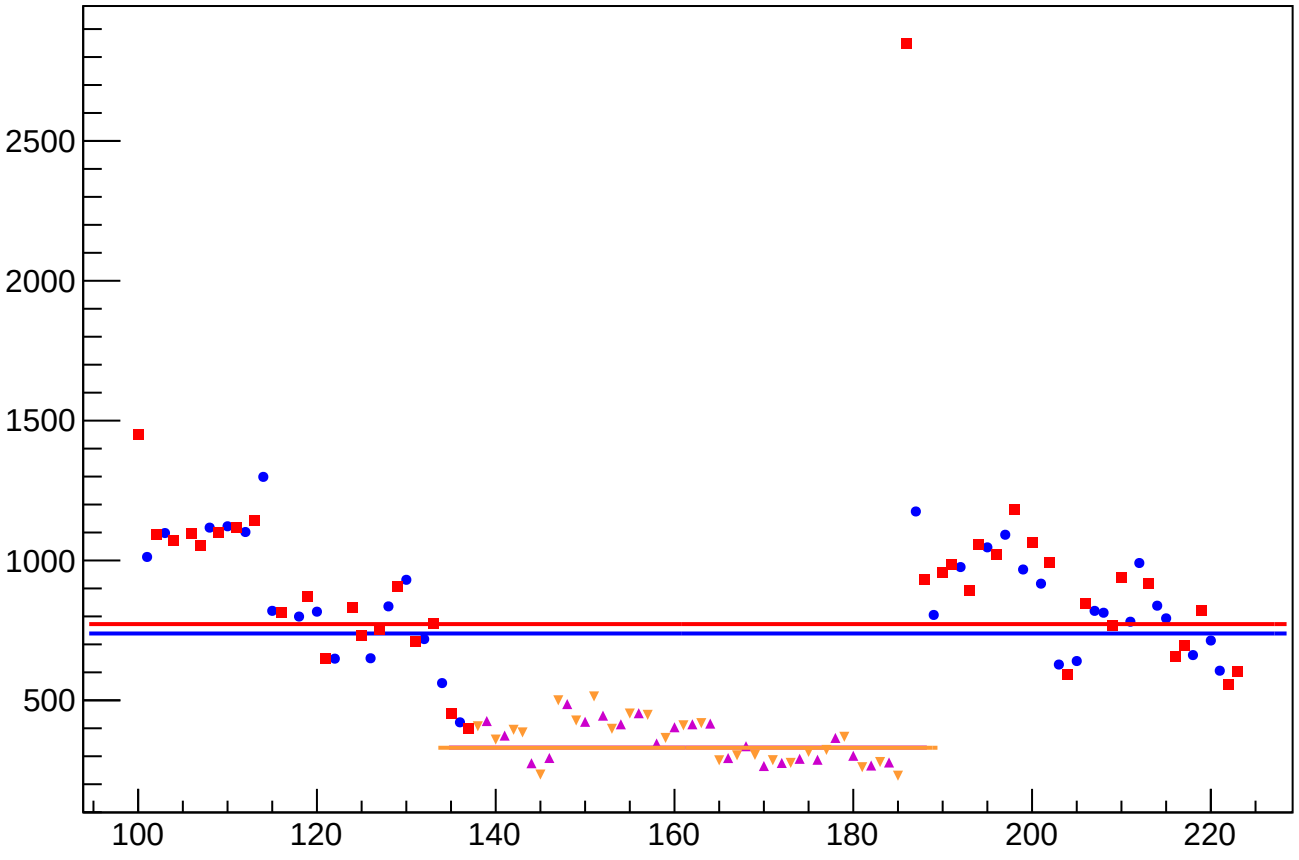
Right Out: 283.765+/-168.582 χ^2/NDF: 34.0/38

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

\+ sign 206.186+/-69.744 χ^2/NDF: 85.3/58

All: 127.631+/-49.969 χ^2/NDF: 156.6/120

\- sign 44.774+/-71.628 χ^2/NDF: 68.7/61



Right In: 738.931+/-0.115 χ^2/NDF: 2780137.2/33

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 772.540+/-0.119 χ^2/NDF: 3422626.0/38

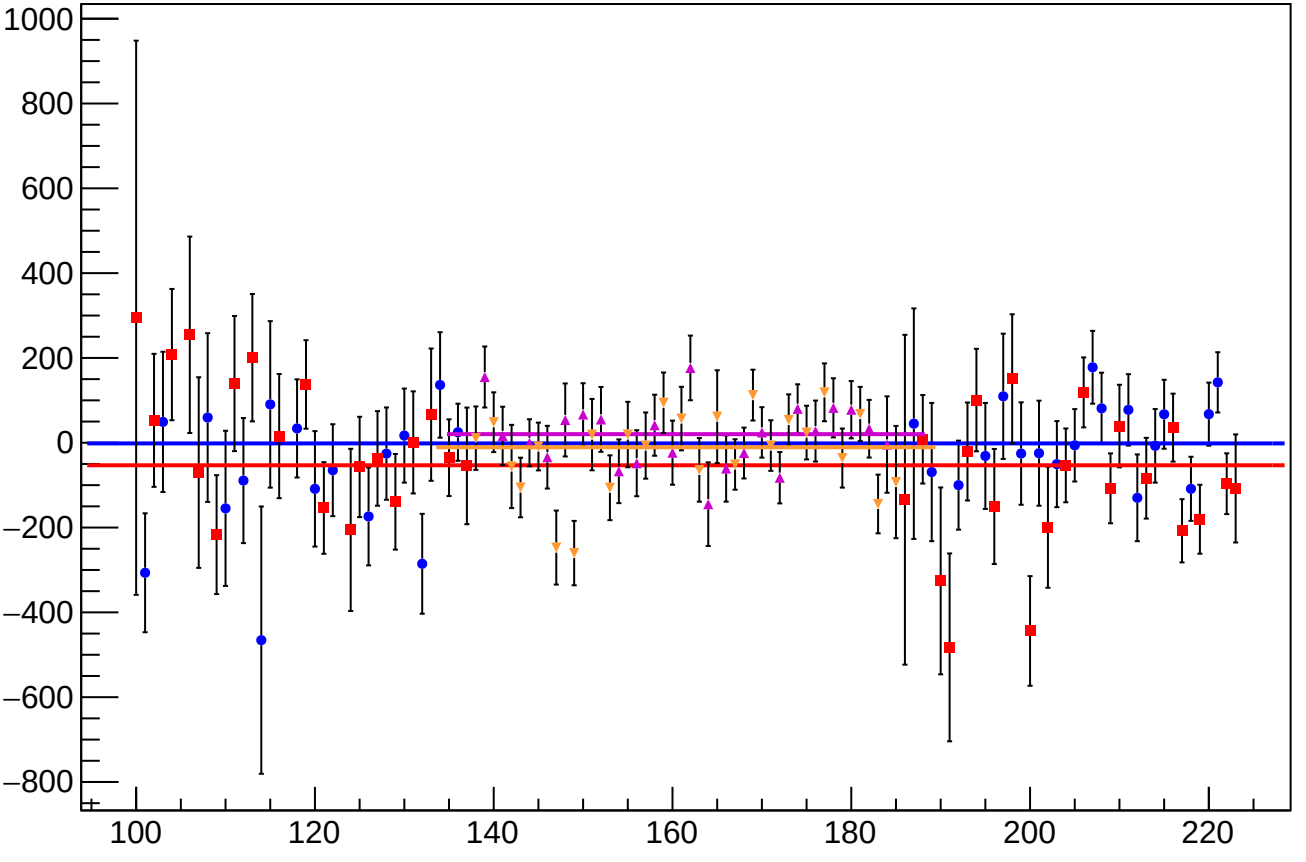
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 404.938+/-0.049 χ^2/NDF: 14768009.6/58

All: 407.771+/-0.035 χ^2/NDF: 30763009.9/12

- sign 410.758+/-0.051 χ^2/NDF: 15988223.5/61

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -1.556+/-18.231 χ^2/NDF: 36.4/33

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -53.118+/-18.571 χ^2/NDF: 51.7/38

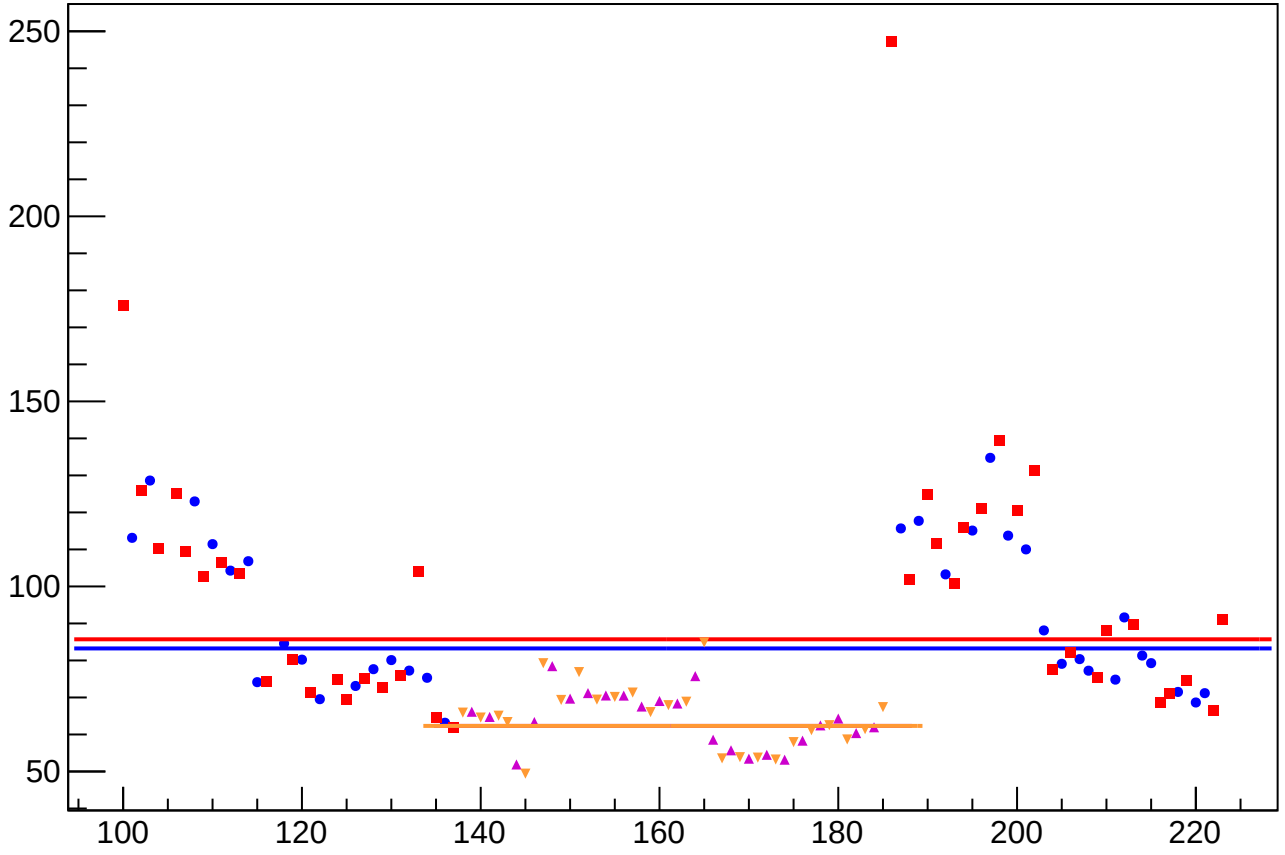
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

\+ sign -7.161+/-11.257 χ^2/NDF: 78.8/58

All: -7.616+/-8.062 χ^2/NDF: 161.7/120

\- sign -8.096+/-11.550 χ^2/NDF: 83.0/61

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 83.248+/-0.013 χ^2/NDF: 1700189.0/33

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 85.716+/-0.013 χ^2/NDF: 2531086.9/38

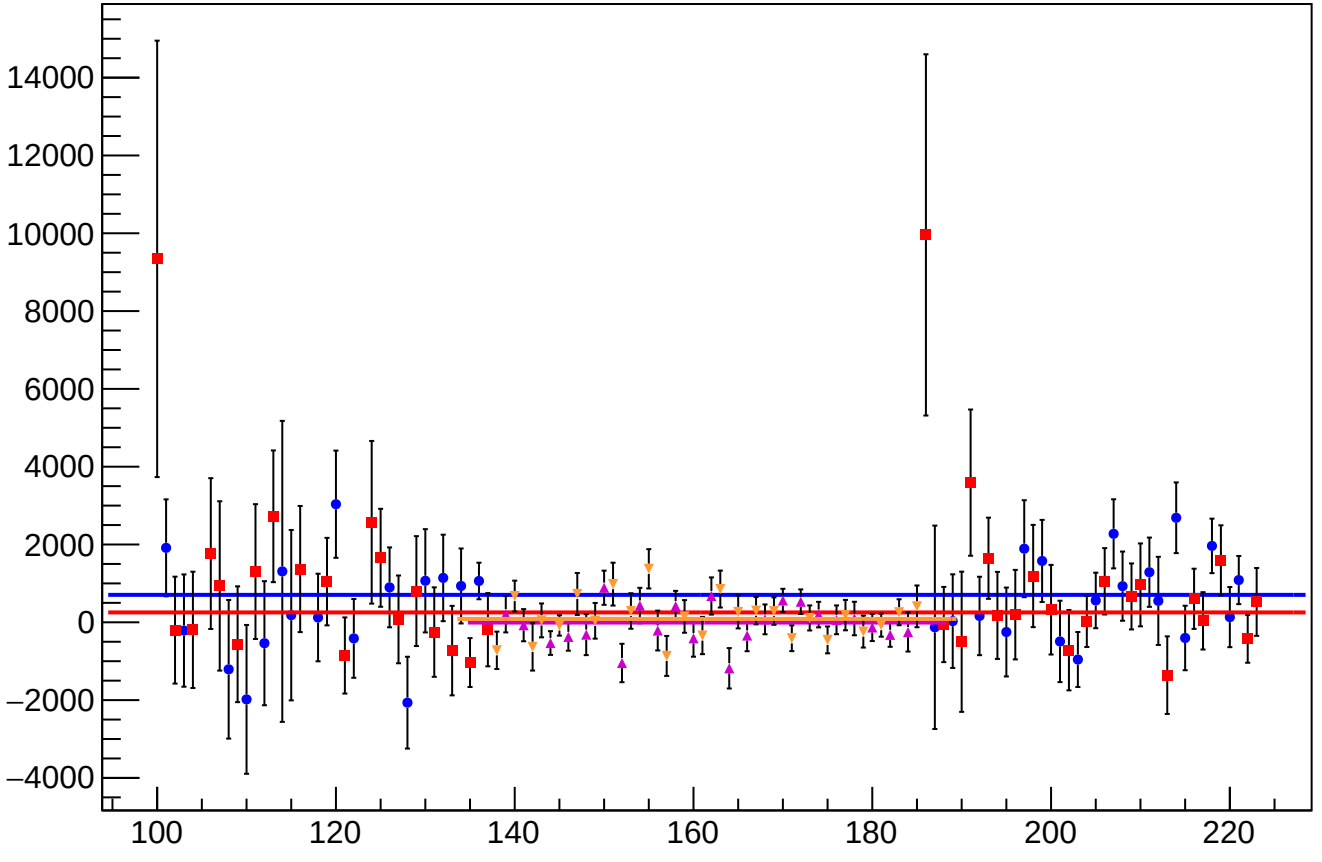
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

\+ sign 70.296+/-0.008 χ^2/NDF: 3967708.2/58

All: 70.816+/-0.006 χ^2/NDF: 8940048.7/120

\- sign 71.364+/-0.008 χ^2/NDF: 4963578.2/61

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 705.438+/-166.928 χ^2/NDF: 40.1/33

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 254.036+/-170.774 χ^2/NDF: 35.7/38

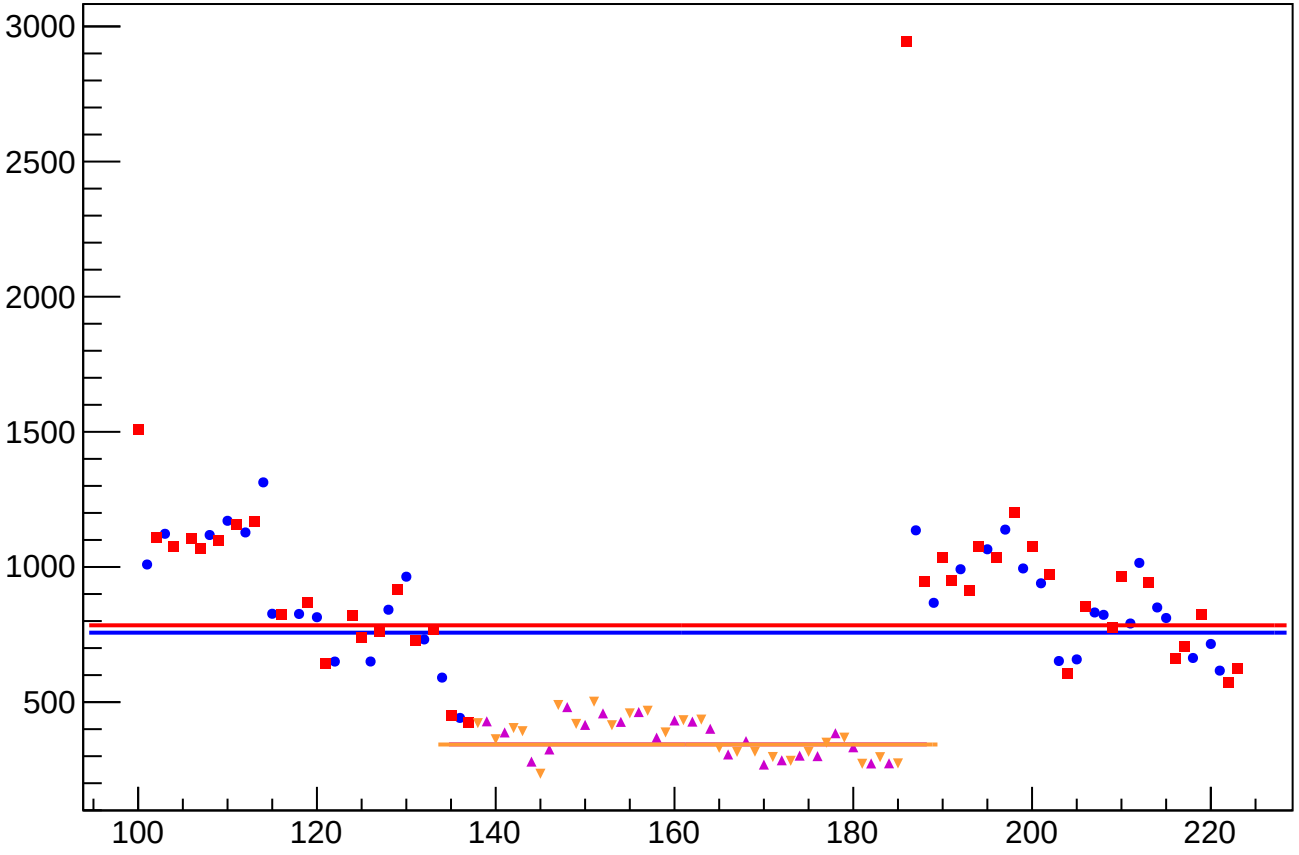
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 202.115+/-72.023 χ^2/NDF: 82.9/58

All: 124.432+/-51.613 χ^2/NDF: 155.3/120

- sign 42.424+/-74.001 χ^2/NDF: 70.0/61

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 756.990+/-0.118 χ^2/NDF: 2664321.7/33

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 784.206+/-0.121 χ^2/NDF: 3392968.3/38

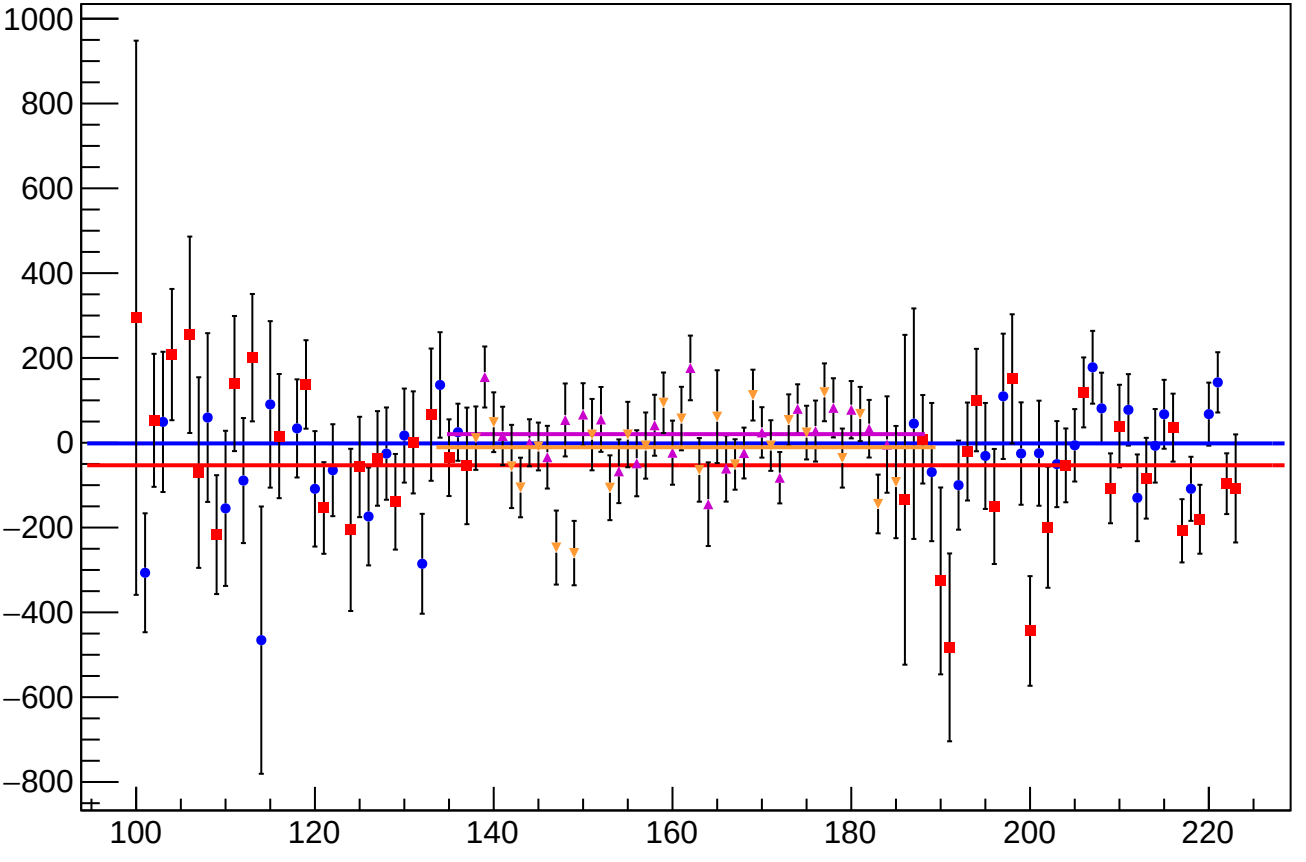
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 420.251+/-0.051 χ^2/NDF: 14260179.2/58

All: 423.256+/-0.036 χ^2/NDF: 29726374.5/12

- sign 426.428+/-0.052 χ^2/NDF: 15459038.8/61

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -1.558+/-18.231 χ^2/NDF: 36.4/33

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -53.118+/-18.571 χ^2/NDF: 51.7/38

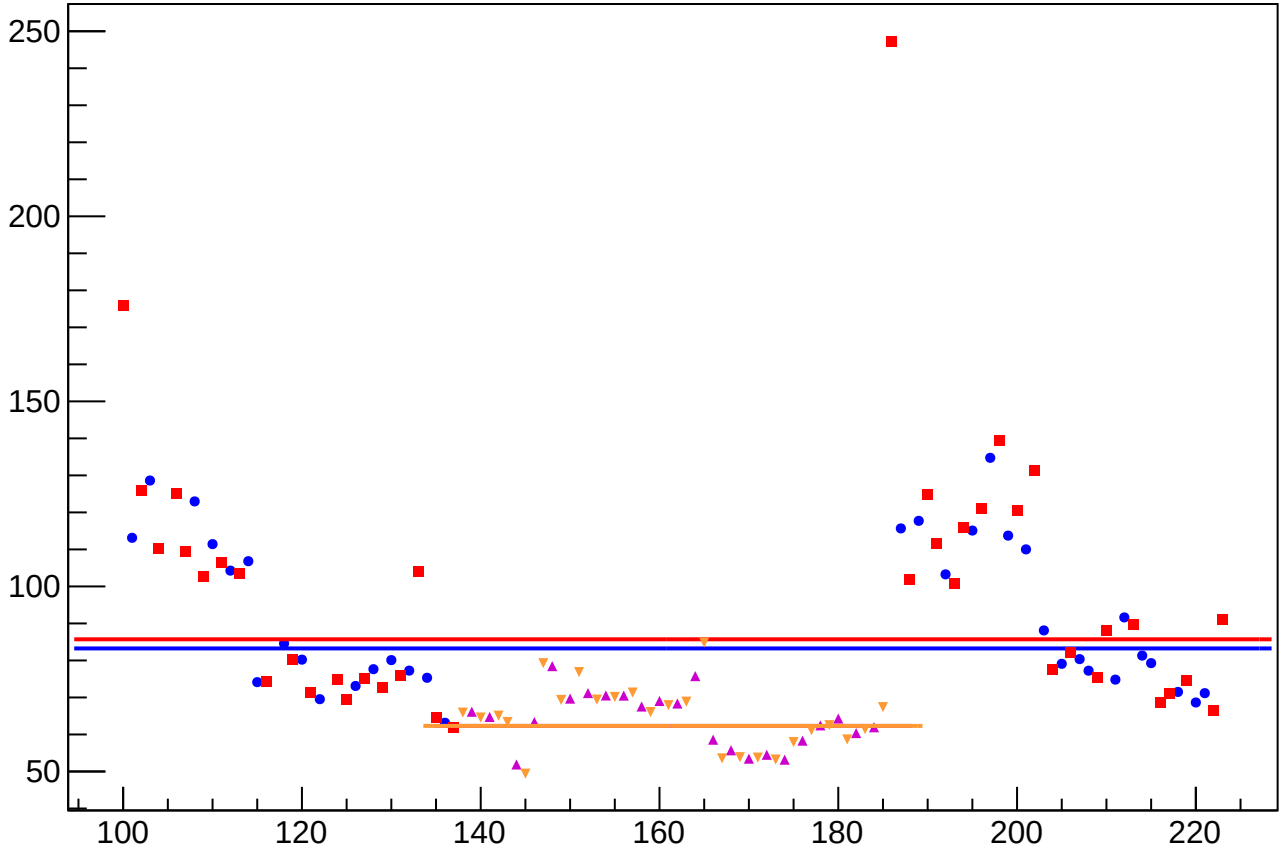
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

\+ sign -7.161+/-11.257 χ^2/NDF: 78.8/58

All: -7.616+/-8.062 χ^2/NDF: 161.7/120

\- sign -8.096+/-11.550 χ^2/NDF: 83.0/61

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 83.248+/-0.013 χ^2/NDF: 1700197.0/33

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

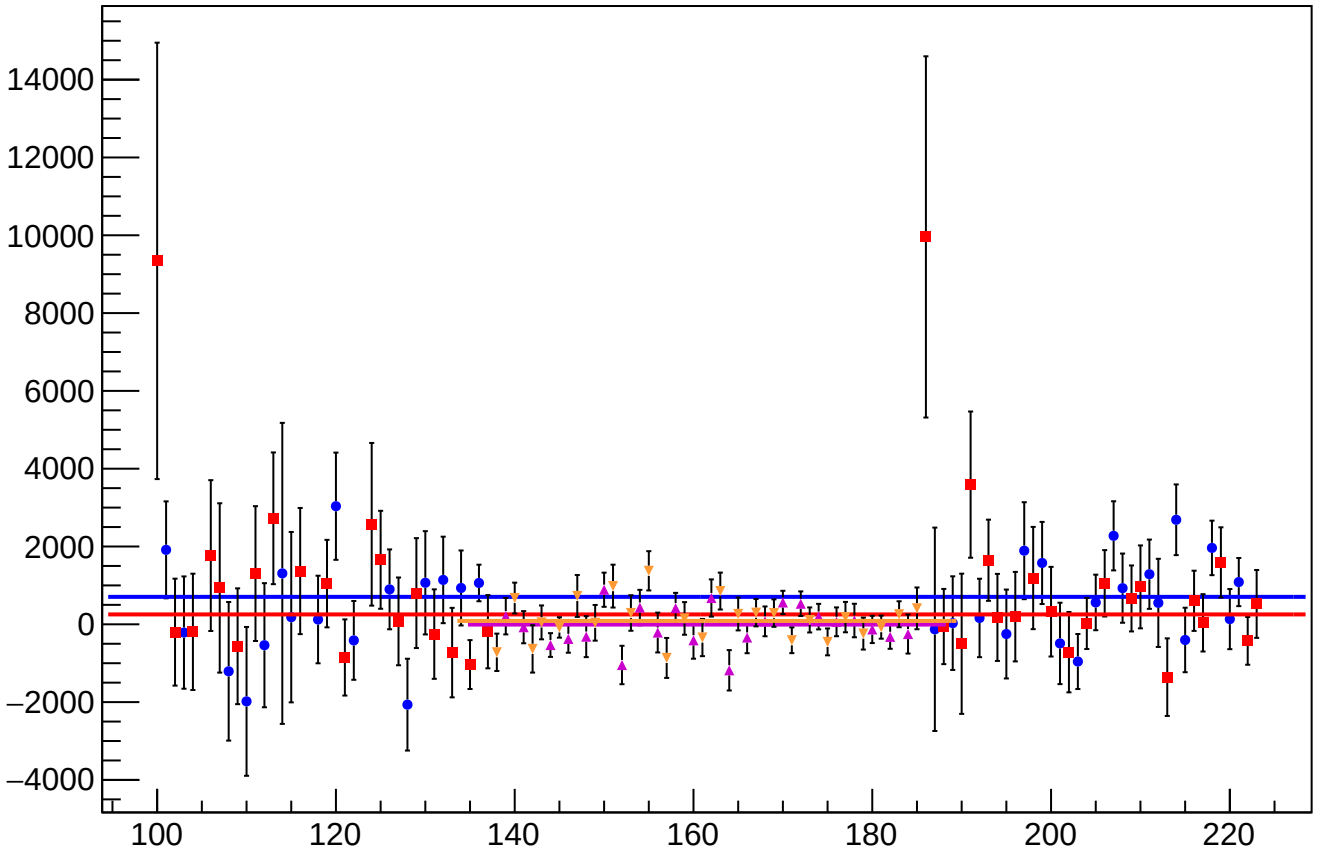
Right Out: 85.716+/-0.013 χ^2/NDF: 2531074.2/38

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 70.296+/-0.008 χ^2/NDF: 3967685.5/58

All: 70.816+/-0.006 χ^2/NDF: 8939969.3/120

- sign 71.364+/-0.008 χ^2/NDF: 4963519.3/61



Right In: 705.438+/-166.928 χ^2/NDF: 40.1/33

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 254.036+/-170.775 χ^2/NDF: 35.7/38

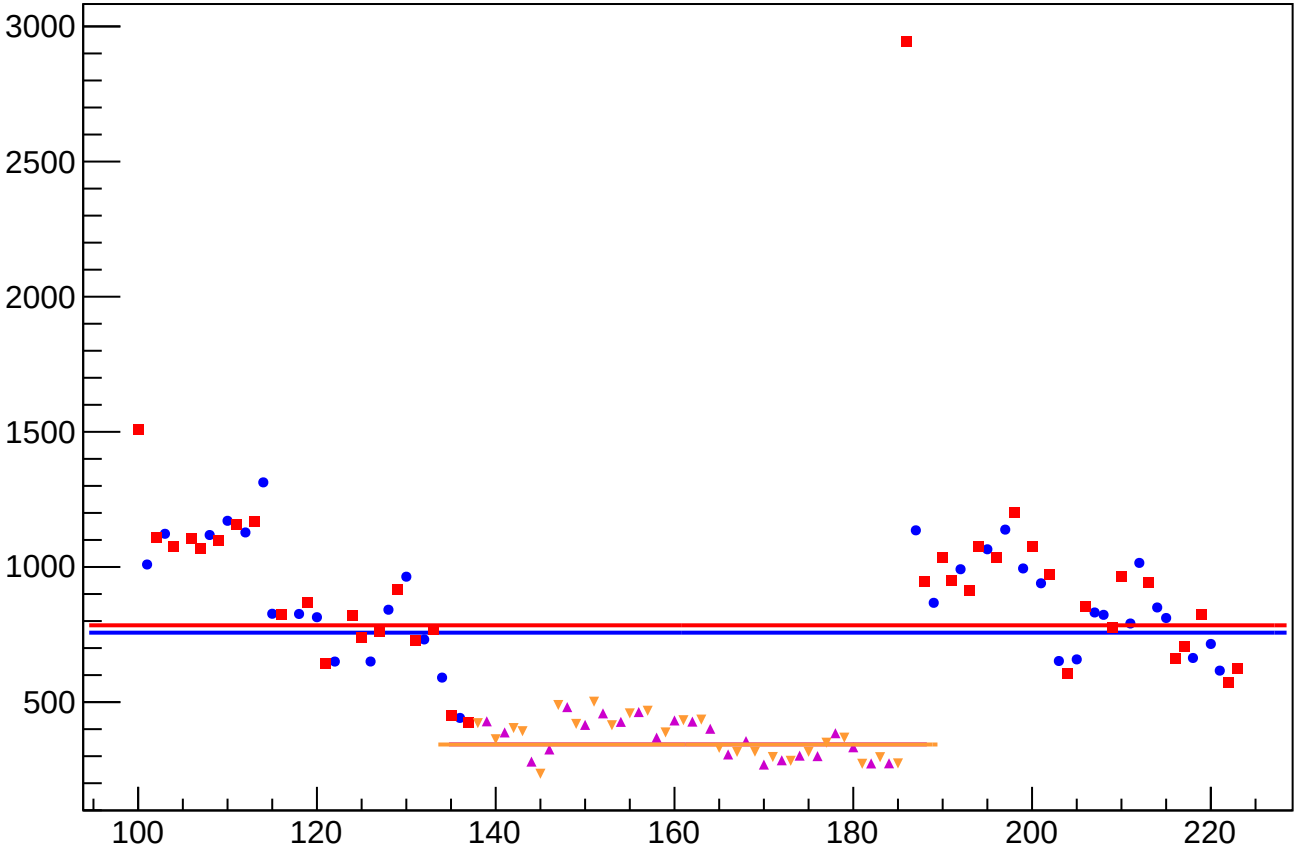
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 202.116+/-72.023 χ^2/NDF: 82.9/58

All: 124.433+/-51.613 χ^2/NDF: 155.3/120

- sign 42.424+/-74.001 χ^2/NDF: 70.0/61

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 756.990+/-0.118 χ^2/NDF: 2664311.3/33

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 784.207+/-0.121 χ^2/NDF: 3392951.9/38

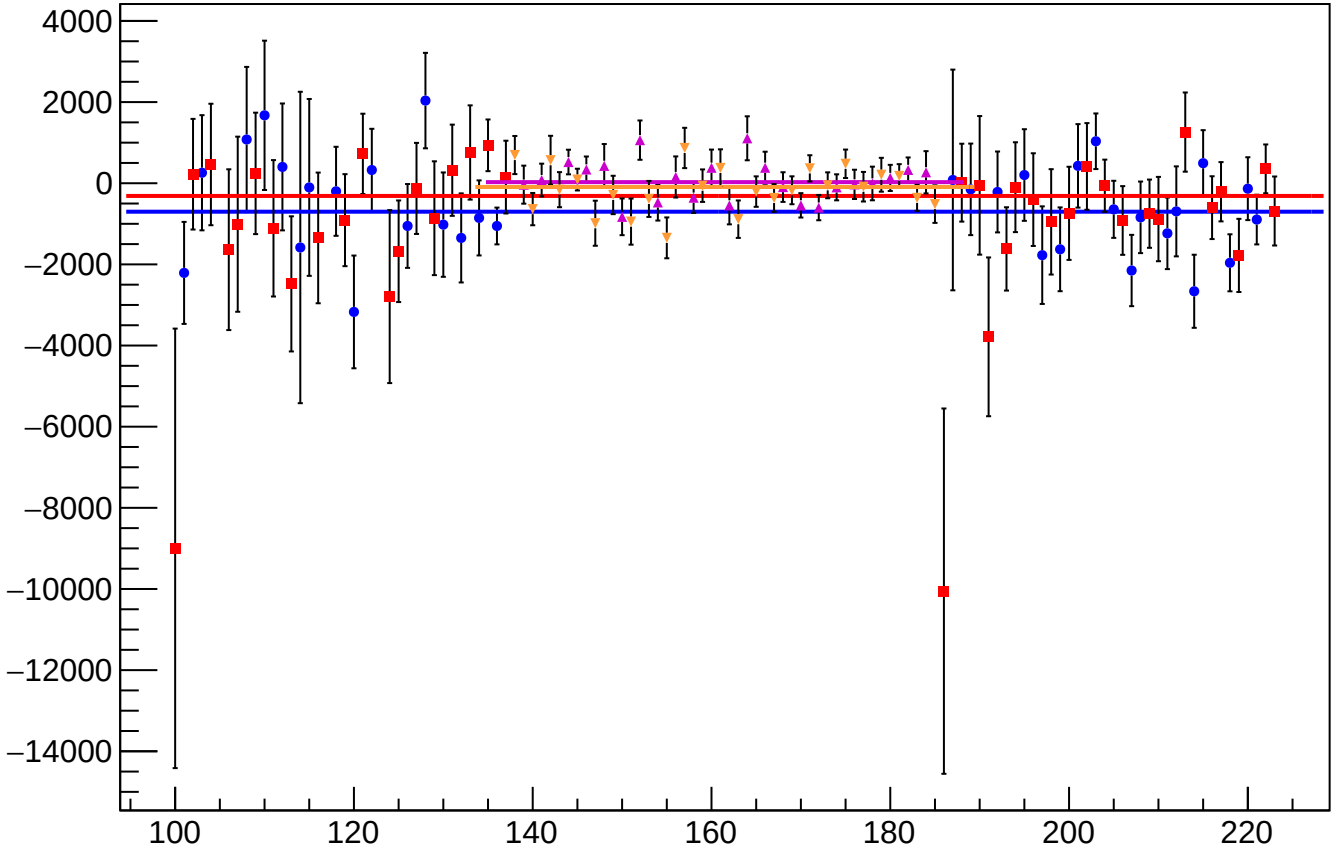
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 420.251+/-0.051 χ^2/NDF: 14260184.8/58

All: 423.256+/-0.036 χ^2/NDF: 29726379.8/12

- sign 426.429+/-0.052 χ^2/NDF: 15459038.2/61

asym_sam_15_26_dd_mean vs Slug



Right In: -701.538+/-164.193 χ^2/NDF: 40.4/33

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -313.069+/-169.374 χ^2/NDF: 33.9/38

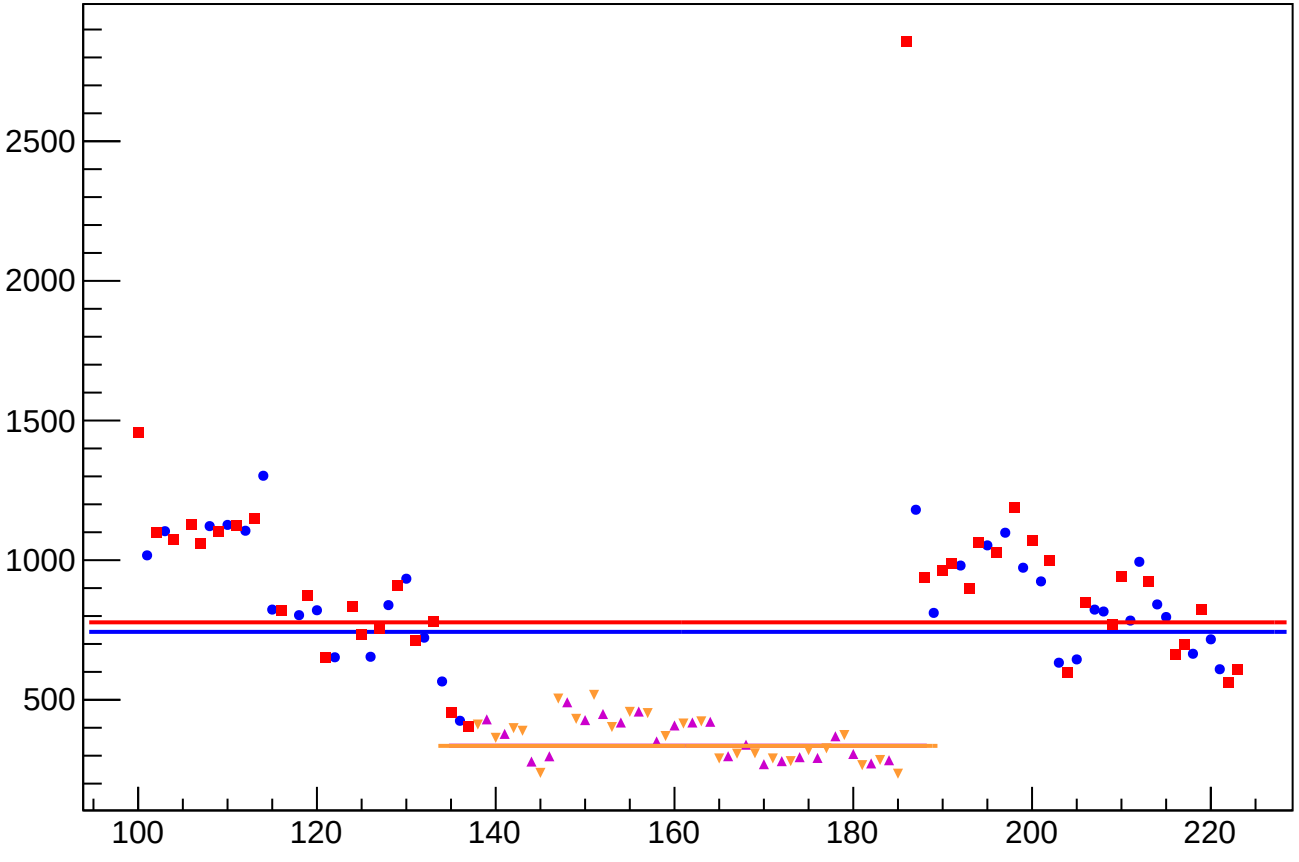
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -205.208+/-70.590 χ^2/NDF: 85.8/58

All: -122.437+/-50.573 χ^2/NDF: 156.8/120

- sign -35.150+/-72.490 χ^2/NDF: 68.1/61

asym_sam_15_26_dd_rms vs Slug



Right In: 743.314+/-0.116 χ^2/NDF: 2754910.3/33

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

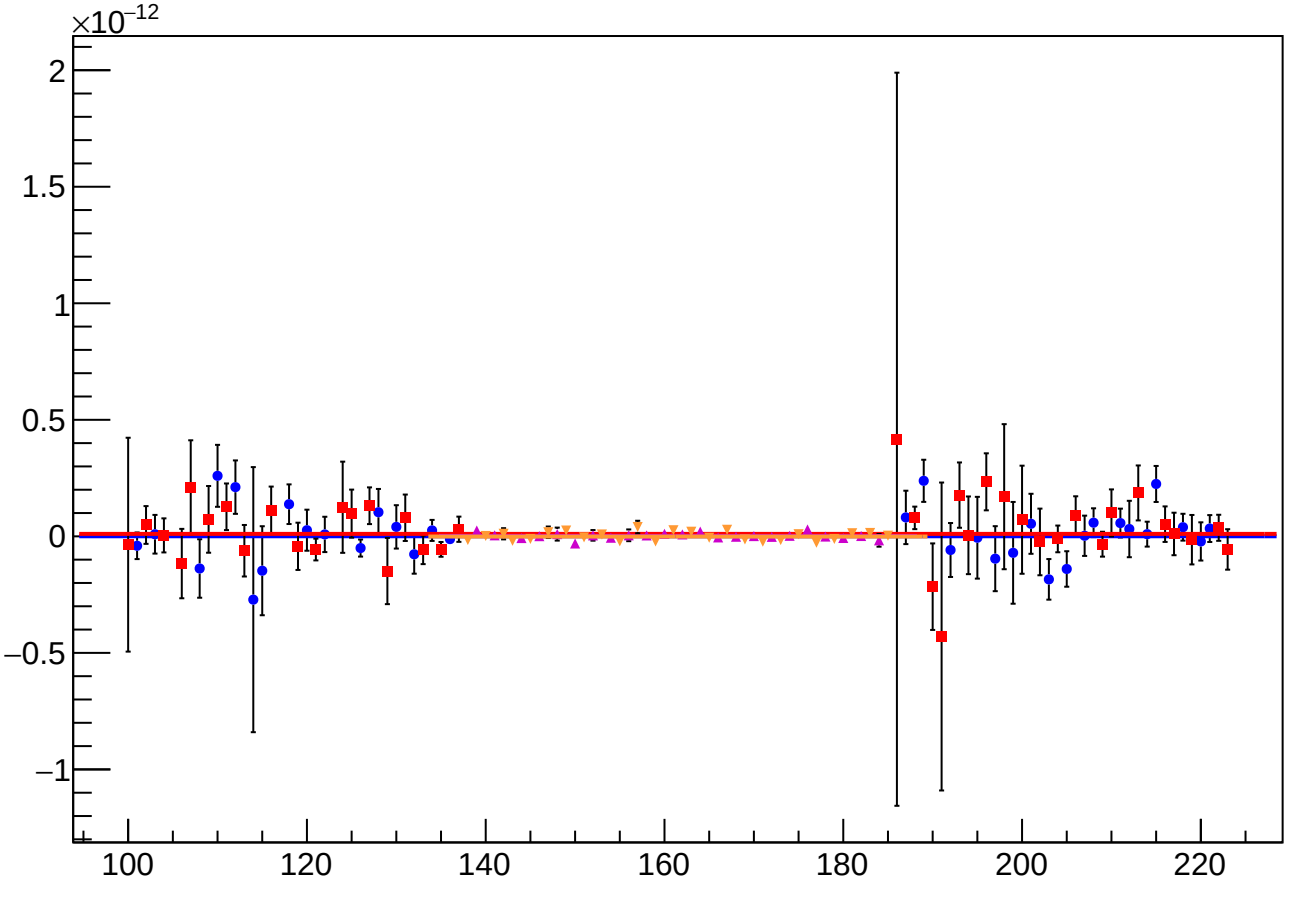
Right Out: 777.436+/-0.120 χ^2/NDF: 3420241.7/38

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 410.591+/-0.050 χ^2/NDF: 14535727.1/58

All: 413.558+/-0.036 χ^2/NDF: 30362214.3/12

- sign 416.686+/-0.051 χ^2/NDF: 15819229.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 45.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

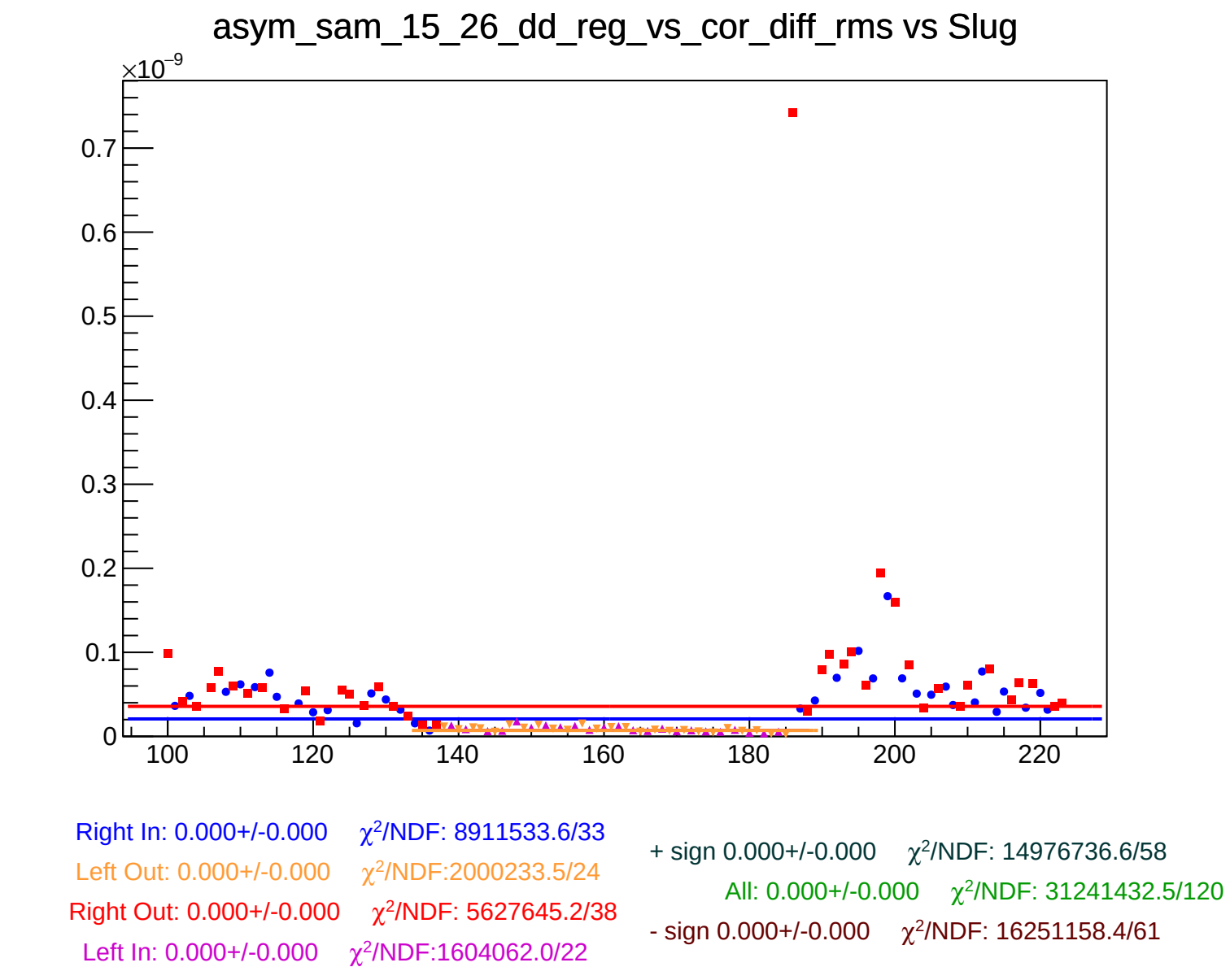
Right Out: 0.000+/-0.000 χ^2/NDF: 33.3/38

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

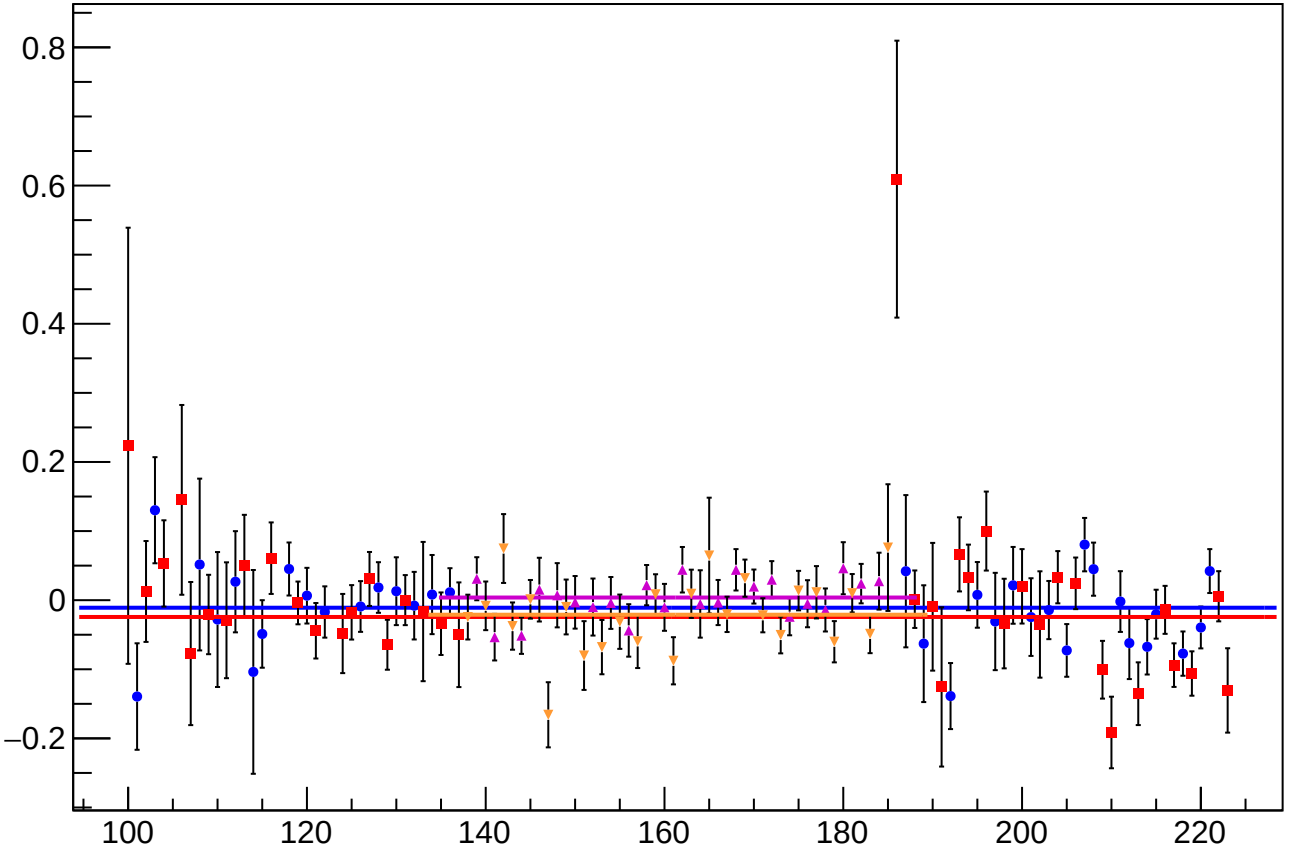
+ sign -0.000+/-0.000 χ^2/NDF: 78.5/58

All: 0.000+/-0.000 χ^2/NDF: 127.5/120

- sign 0.000+/-0.000 χ^2/NDF: 48.5/61


asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8911533.6/33
Left Out: 0.000+/-0.000 χ²/NDF:2000233.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5627645.2/38
Left In: 0.000+/-0.000 χ²/NDF:1604062.0/22
+ sign 0.000+/-0.000 χ²/NDF: 14976736.6/58
All: 0.000+/-0.000 χ²/NDF: 31241432.5/120
- sign 0.000+/-0.000 χ²/NDF: 16251158.4/61

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.008 χ^2/NDF: 41.2/33

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.024+/-0.008 χ^2/NDF: 72.5/38

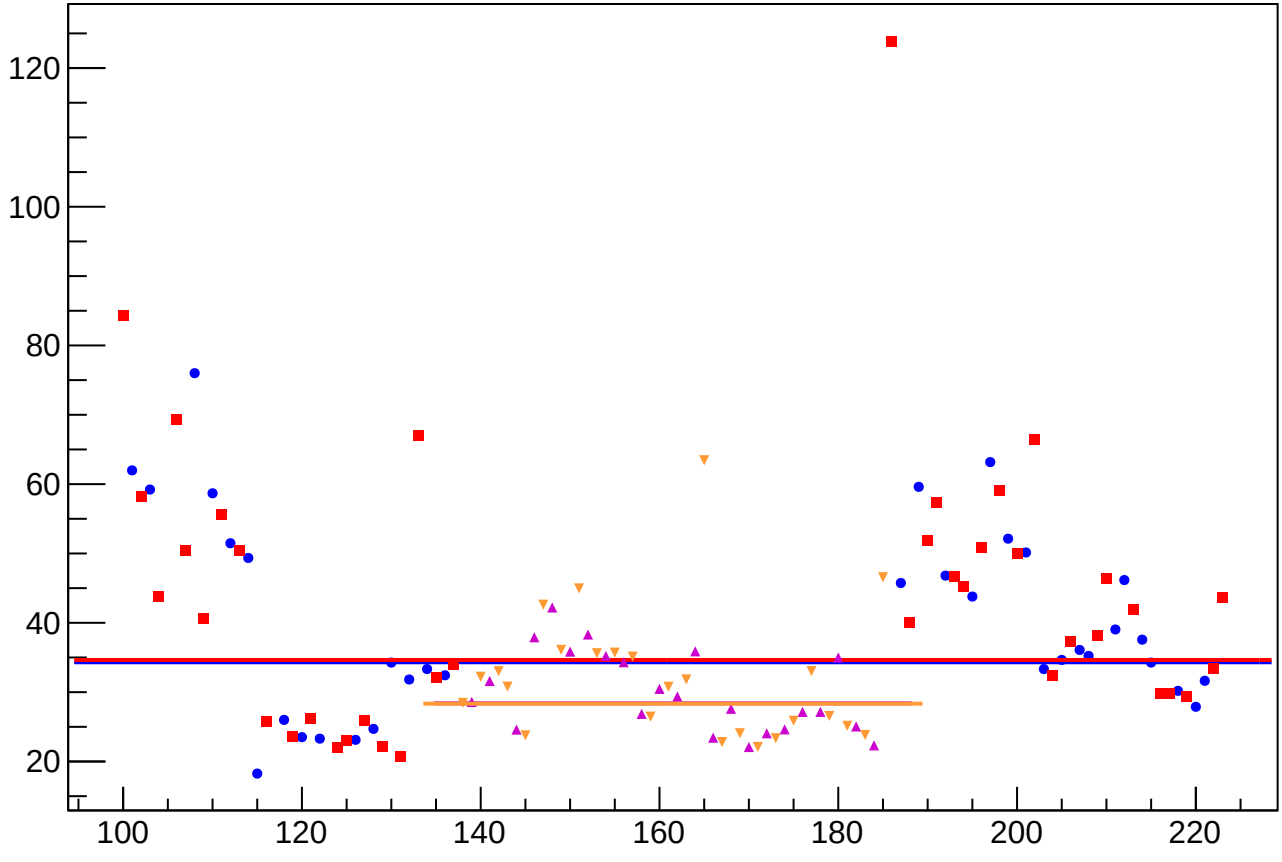
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.005 χ^2/NDF: 79.4/58

All: -0.013+/-0.004 χ^2/NDF: 179.3/120

- sign -0.008+/-0.005 χ^2/NDF: 98.6/61

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.313+/-0.005 χ^2/NDF: 3313910.5/33

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

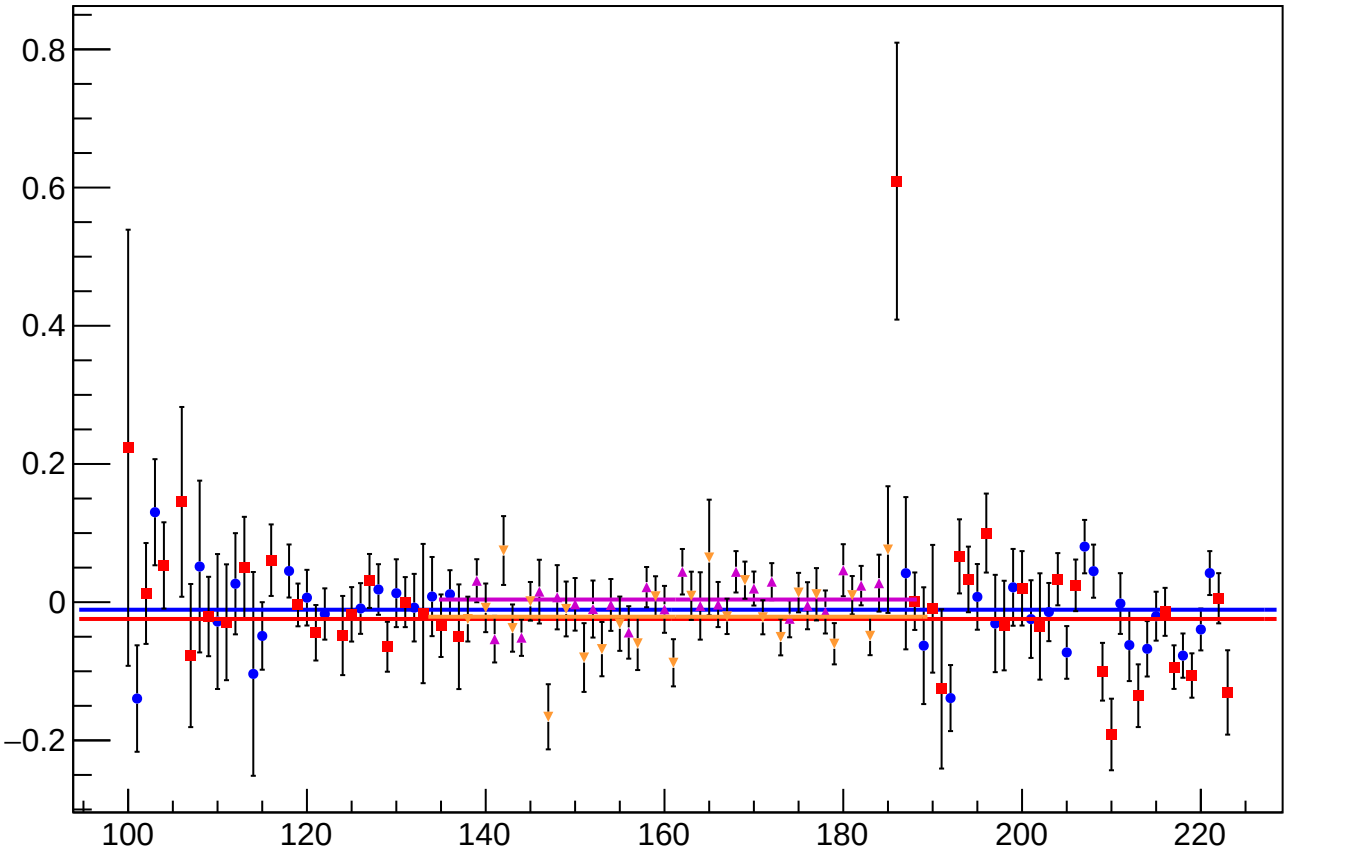
Right Out: 34.639+/-0.006 χ^2/NDF: 4333032.9/38

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.873+/-0.004 χ^2/NDF: 5726858.0/58

All: 30.994+/-0.003 χ^2/NDF: 11886413.0/120

- sign 31.120+/-0.004 χ^2/NDF: 6157203.6/61



Right In: -0.011+/-0.008 χ^2/NDF: 41.2/33

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

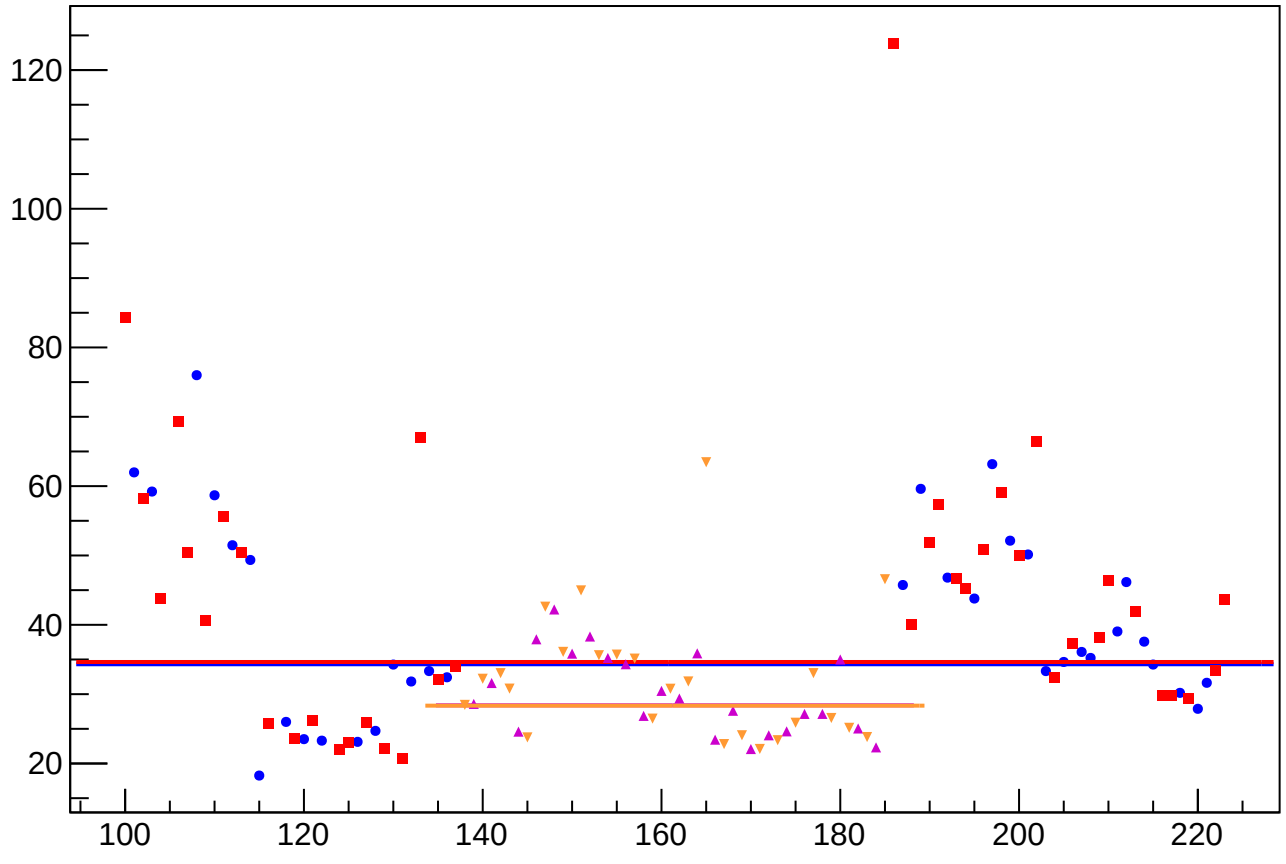
Right Out: -0.024+/-0.008 χ^2/NDF: 72.5/38

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.005 χ^2/NDF: 79.4/58

All: -0.013+/-0.004 χ^2/NDF: 179.3/120

- sign -0.008+/-0.005 χ^2/NDF: 98.6/61



Right In: 34.313+/-0.005 χ^2/NDF: 3313910.5/33

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

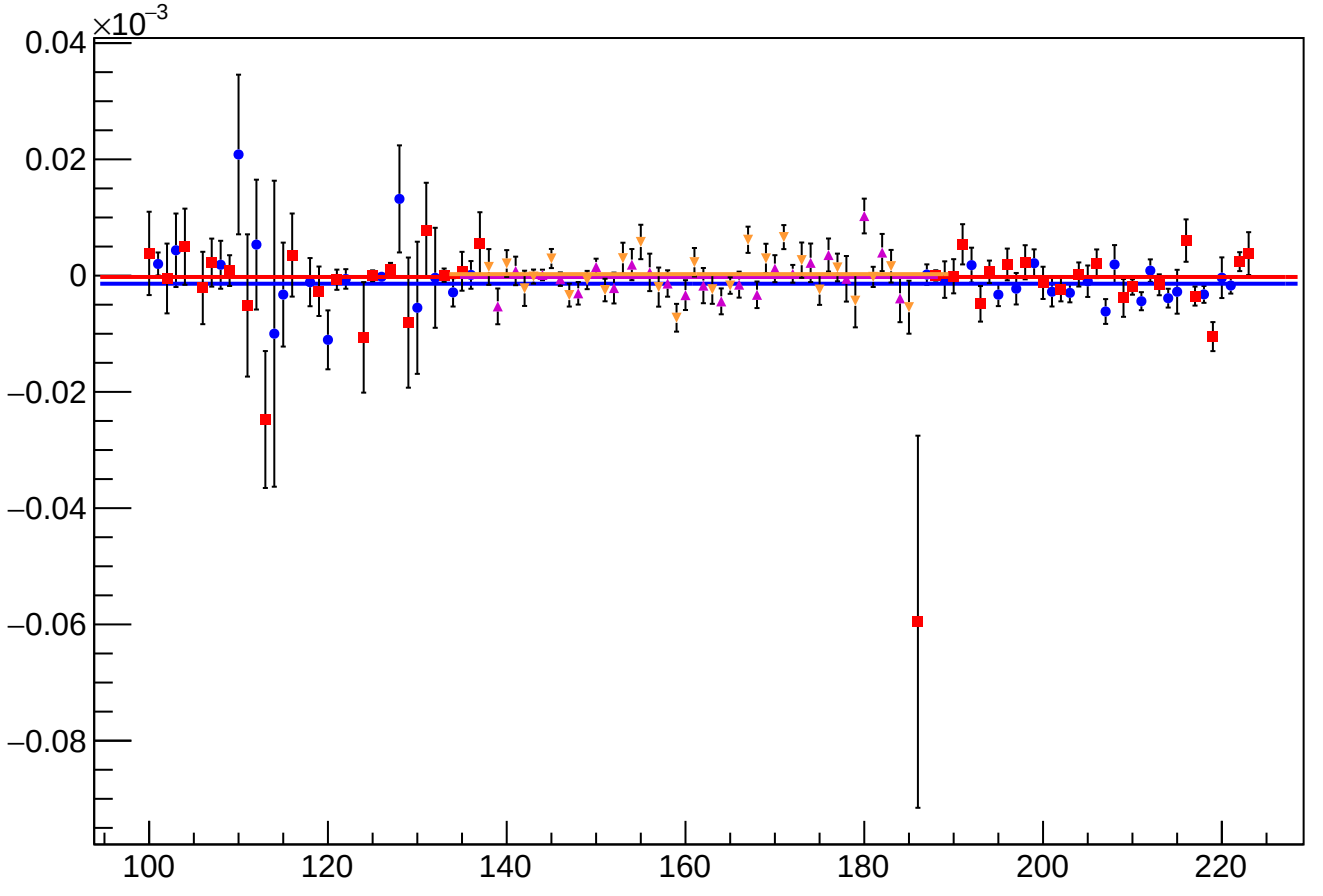
Right Out: 34.639+/-0.006 χ^2/NDF: 4333032.9/38

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.873+/-0.004 χ^2/NDF: 5726858.0/58

All: 30.994+/-0.003 χ^2/NDF: 11886413.0/120

- sign 31.120+/-0.004 χ^2/NDF: 6157203.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 38.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

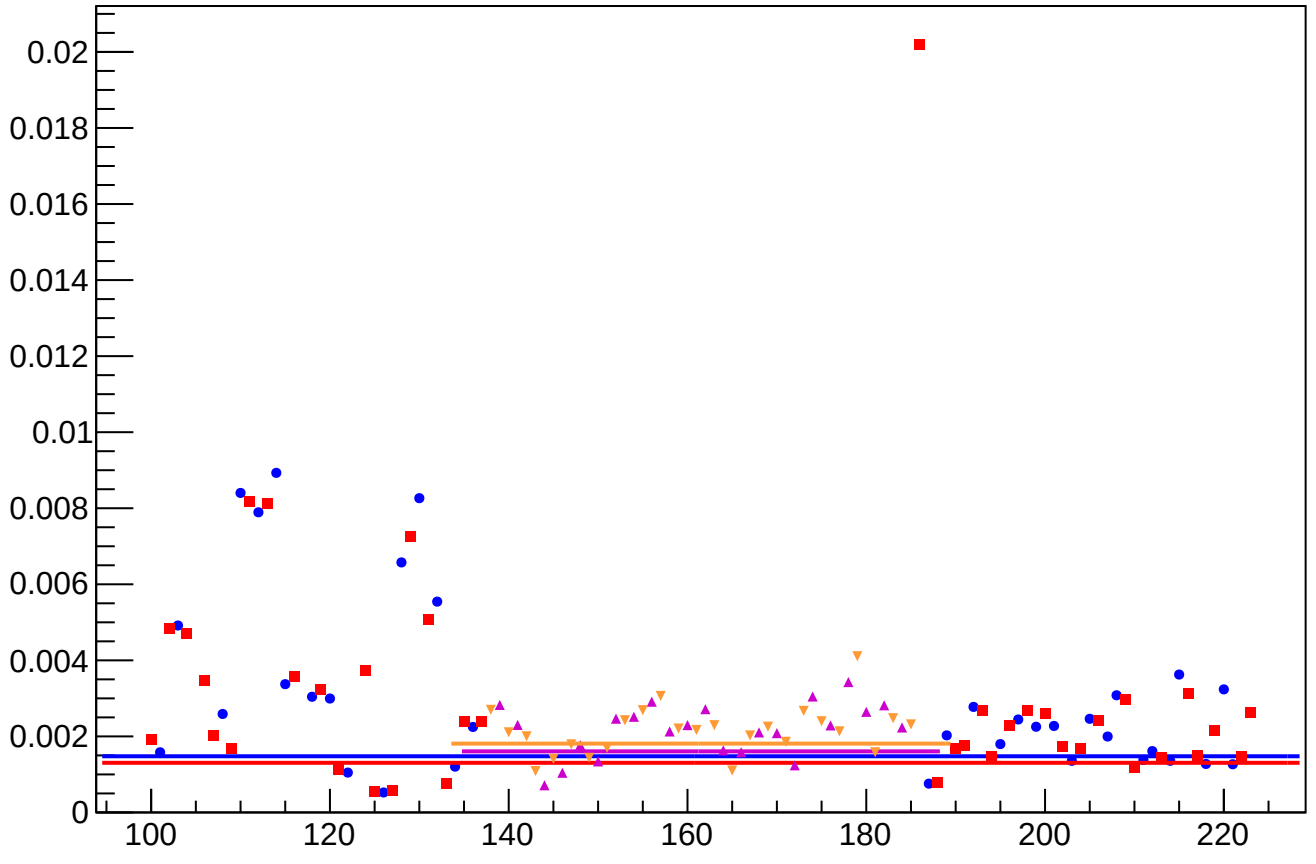
Right Out: -0.000+/-0.000 χ^2/NDF: 55.6/38

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 97.6/58

All: -0.000+/-0.000 χ^2/NDF: 187.8/120

- sign -0.000+/-0.000 χ^2/NDF: 88.9/61



Right In: 0.001+/-0.000 χ^2/NDF: 11012059.2/33

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

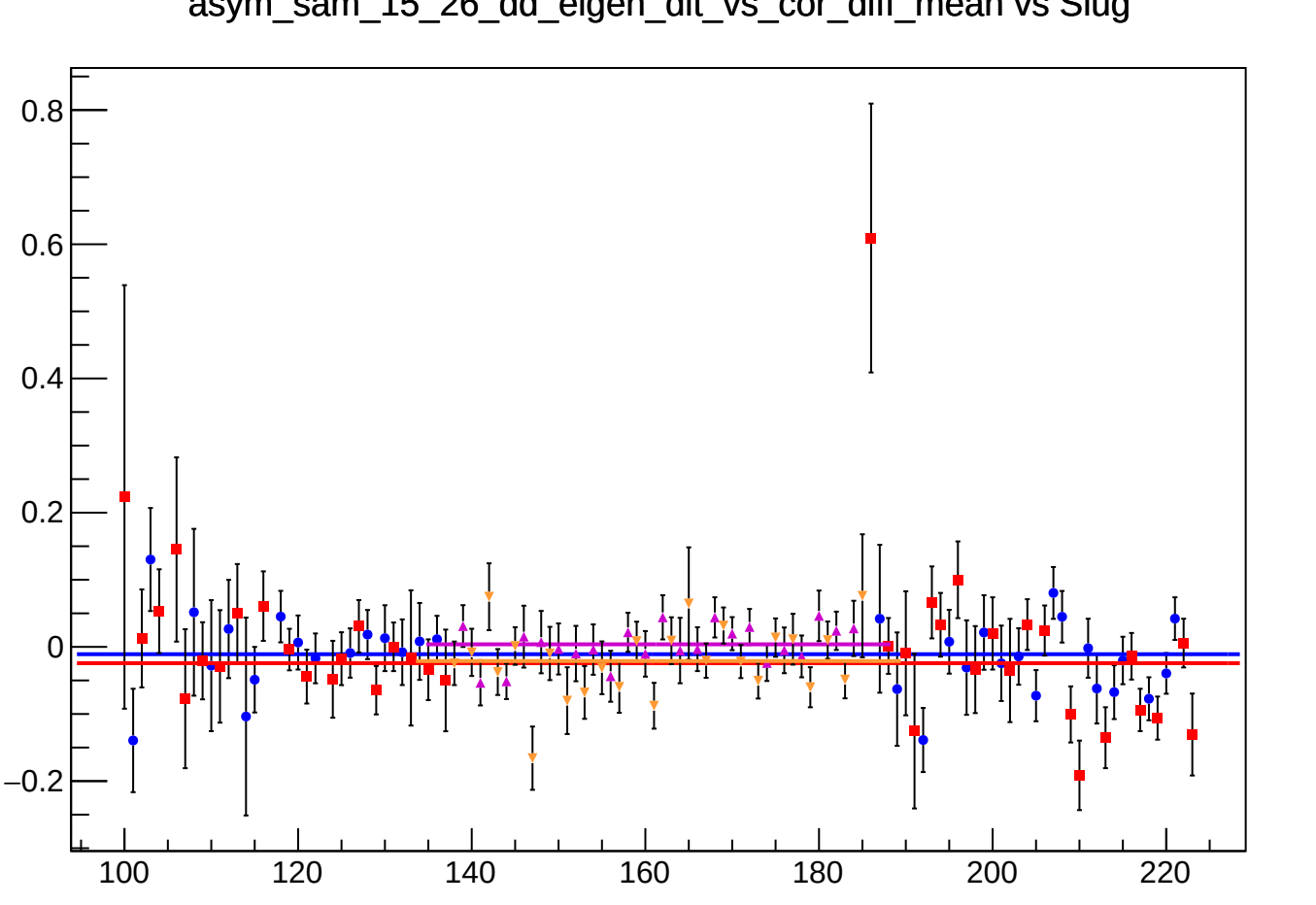
Right Out: 0.001+/-0.000 χ^2/NDF: 12777396.2/38

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 15112320.1/58

All: 0.002+/-0.000 χ^2/NDF: 35044460.2/120

- sign 0.001+/-0.000 χ^2/NDF: 19422699.1/61



Right In: -0.011+/-0.008 χ^2/NDF: 41.2/33

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

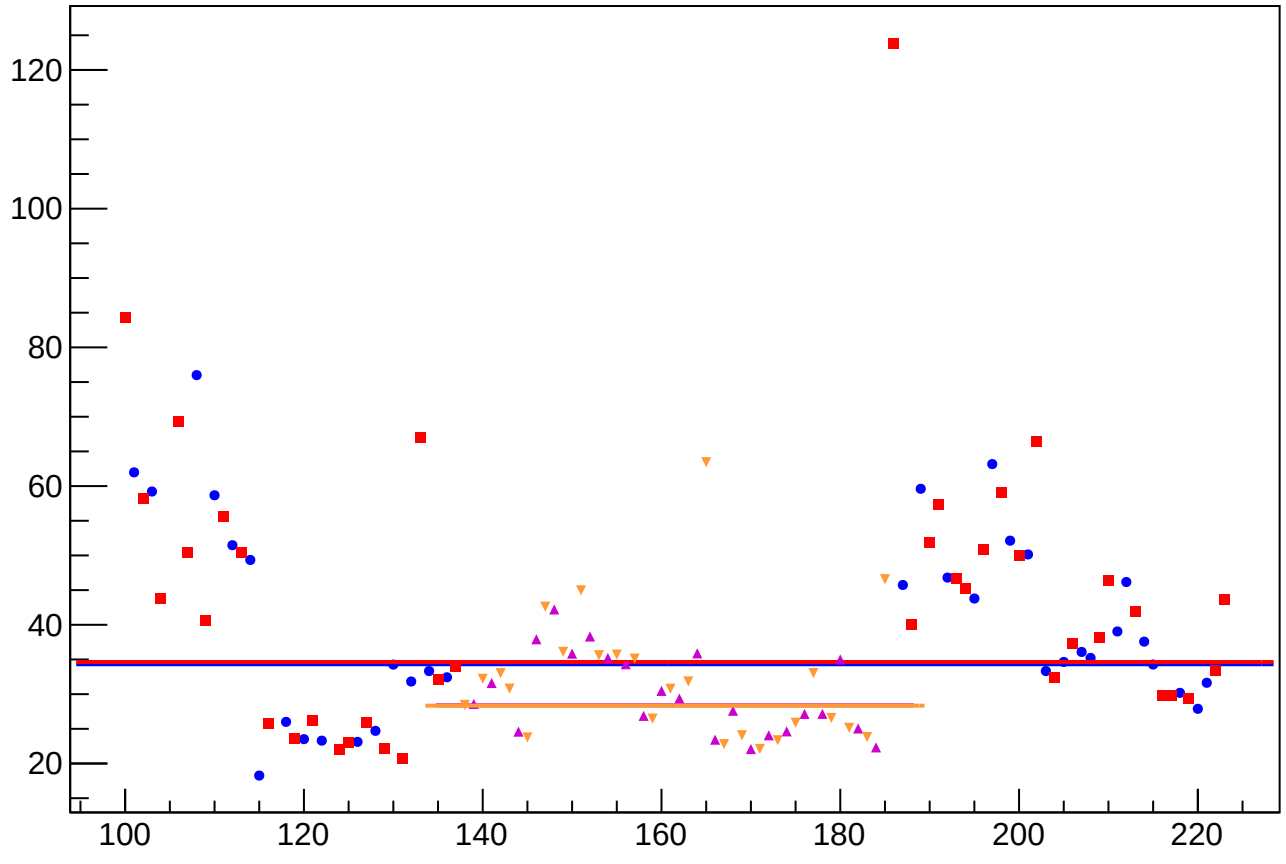
Right Out: -0.024+/-0.008 χ^2/NDF: 72.5/38

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.005 χ^2/NDF: 79.4/58

All: -0.013+/-0.004 χ^2/NDF: 179.3/120

- sign -0.008+/-0.005 χ^2/NDF: 98.6/61



Right In: 34.313+/-0.005 χ^2/NDF: 3313789.3/33

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

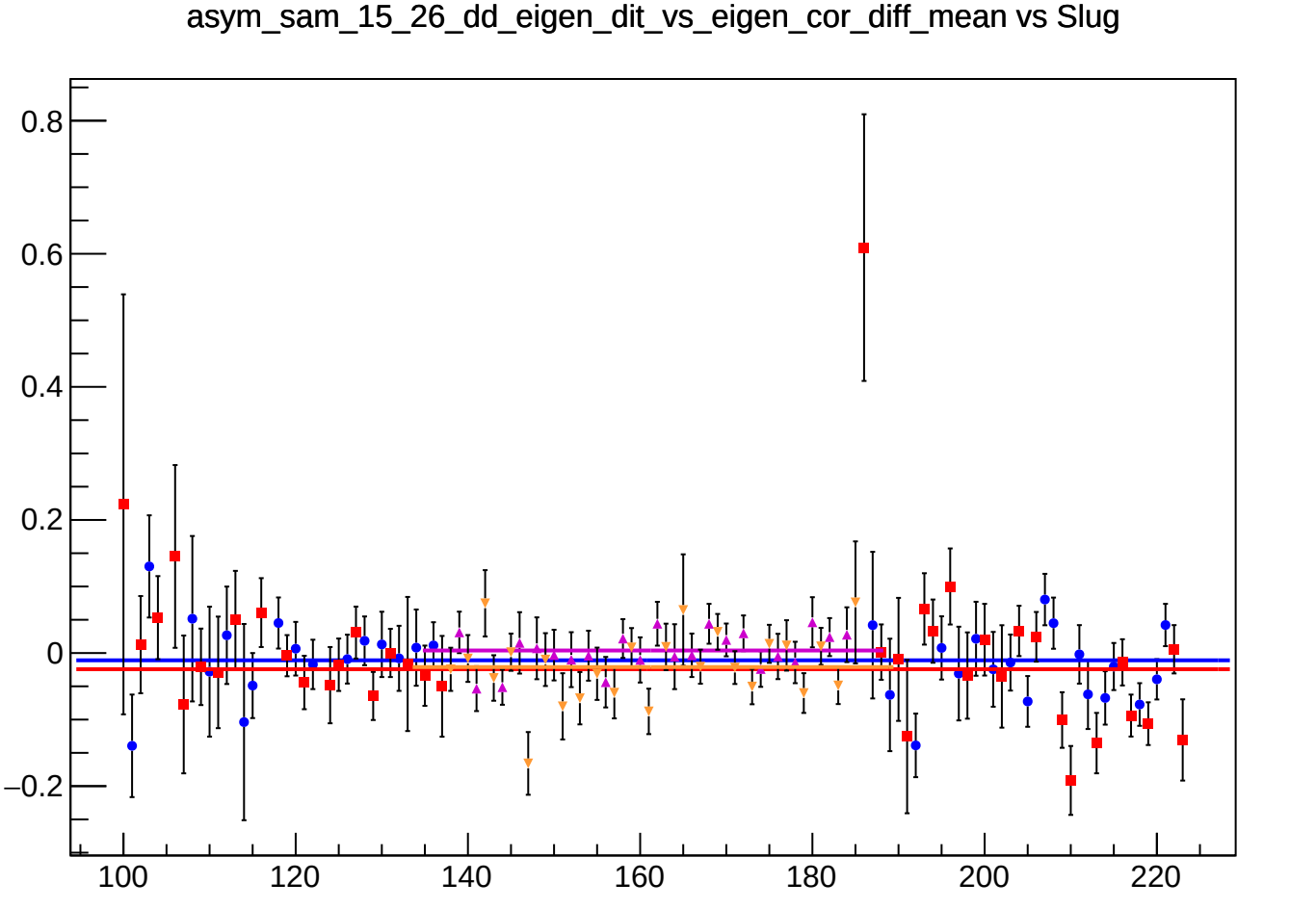
Right Out: 34.639+/-0.006 χ^2/NDF: 4333143.0/38

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.873+/-0.004 χ^2/NDF: 5726712.3/58

All: 30.994+/-0.003 χ^2/NDF: 11886253.7/120

- sign 31.120+/-0.004 χ^2/NDF: 6157189.7/61



Right In: -0.011+/-0.008 χ^2/NDF: 41.2/33

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

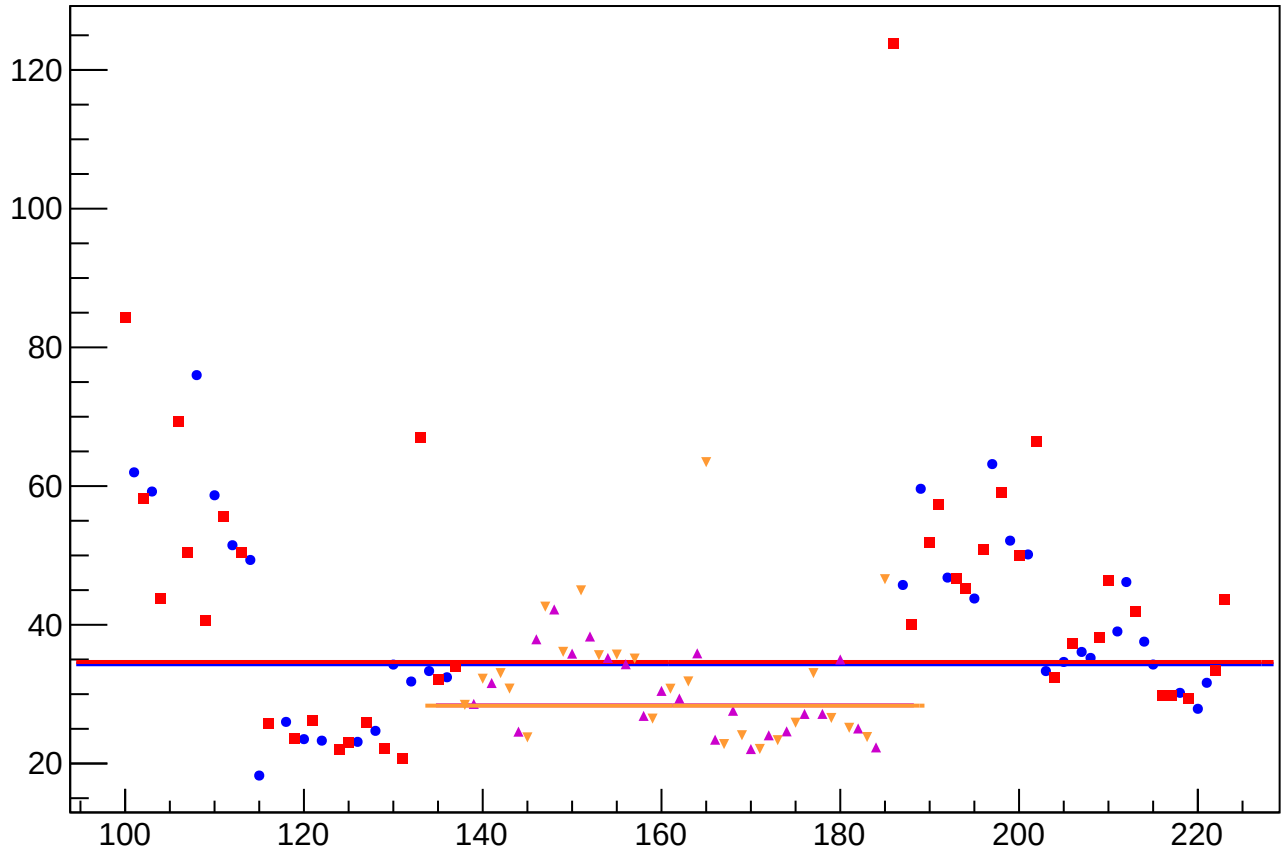
Right Out: -0.024+/-0.008 χ^2/NDF: 72.5/38

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.005 χ^2/NDF: 79.4/58

All: -0.013+/-0.004 χ^2/NDF: 179.3/120

- sign -0.008+/-0.005 χ^2/NDF: 98.6/61



Right In: 34.313+/-0.005 χ^2/NDF: 3313789.3/33

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

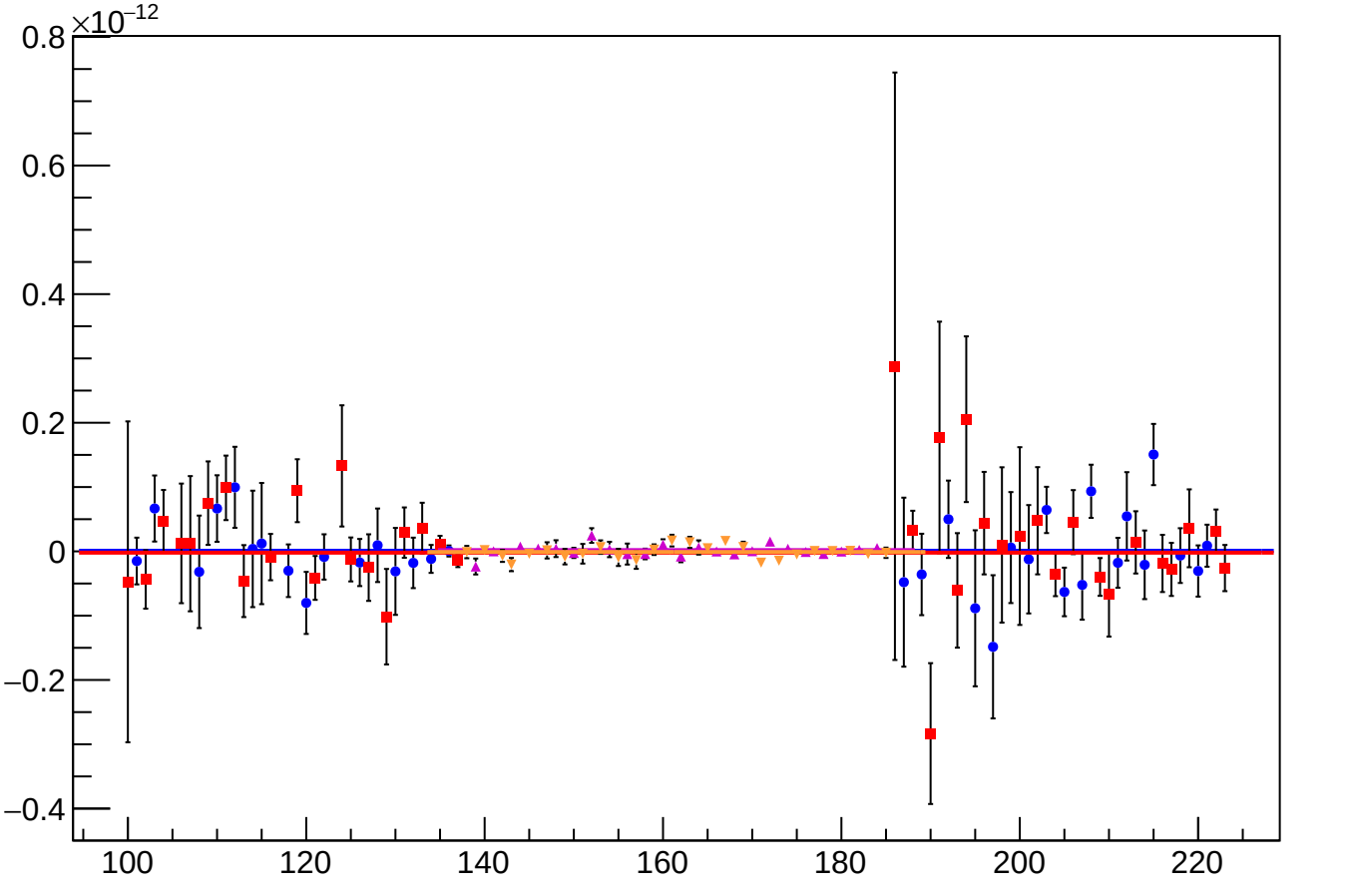
Right Out: 34.639+/-0.006 χ^2/NDF: 4333143.0/38

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.873+/-0.004 χ^2/NDF: 5726712.3/58

All: 30.994+/-0.003 χ^2/NDF: 11886253.7/120

- sign 31.120+/-0.004 χ^2/NDF: 6157189.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

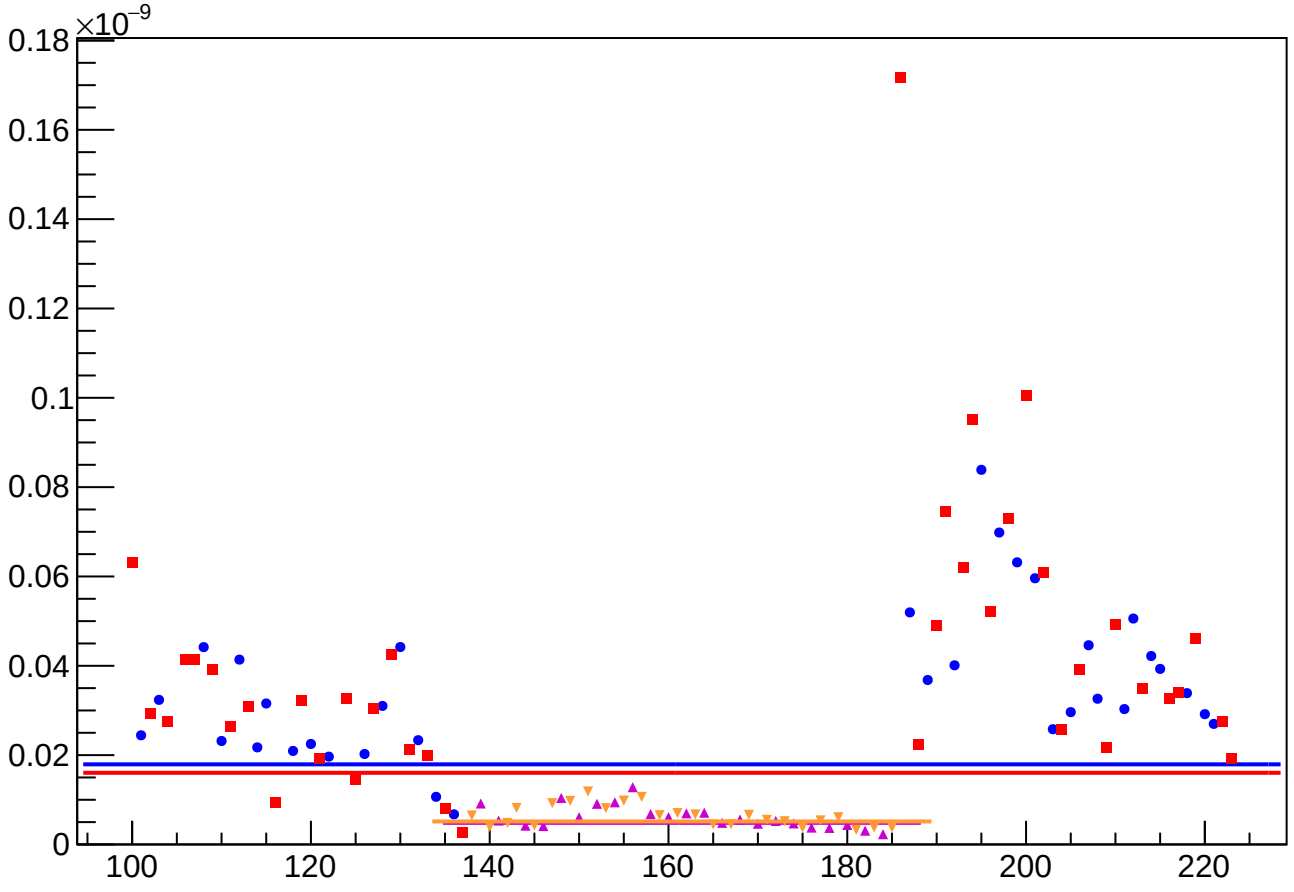
Right Out: -0.000+/-0.000 χ^2/NDF: 41.5/38

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.9/58

All: 0.000+/-0.000 χ^2/NDF: 134.9/120

- sign 0.000+/-0.000 χ^2/NDF: 61.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 10577846.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13198252.6/38

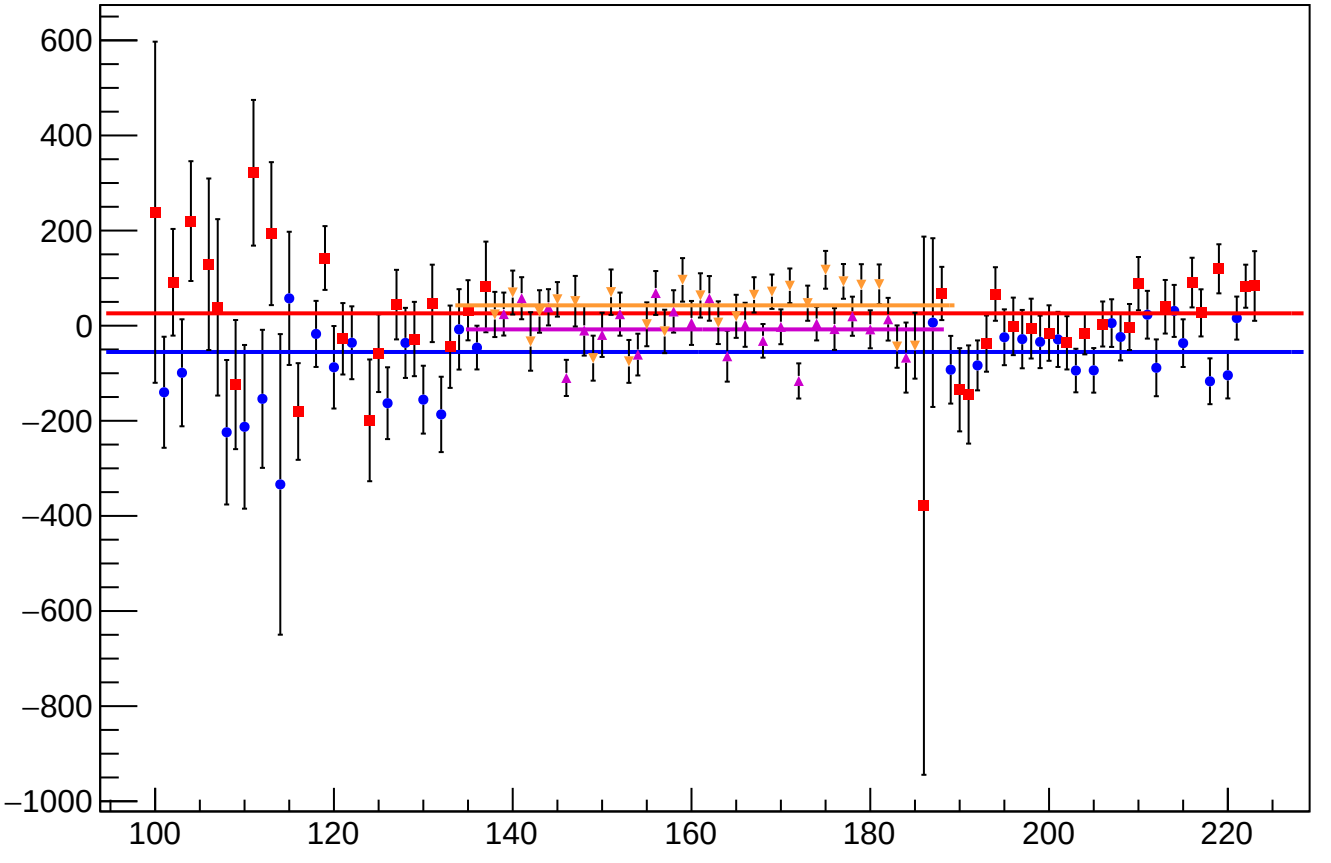
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 22454952.7/58

All: 0.000+/-0.000 χ^2/NDF: 45950999.8/120

- sign 0.000+/-0.000 χ^2/NDF: 23423017.3/61

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -55.303+/-10.883 χ^2/NDF: 27.6/33

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.962+/-11.044 χ^2/NDF: 43.9/38

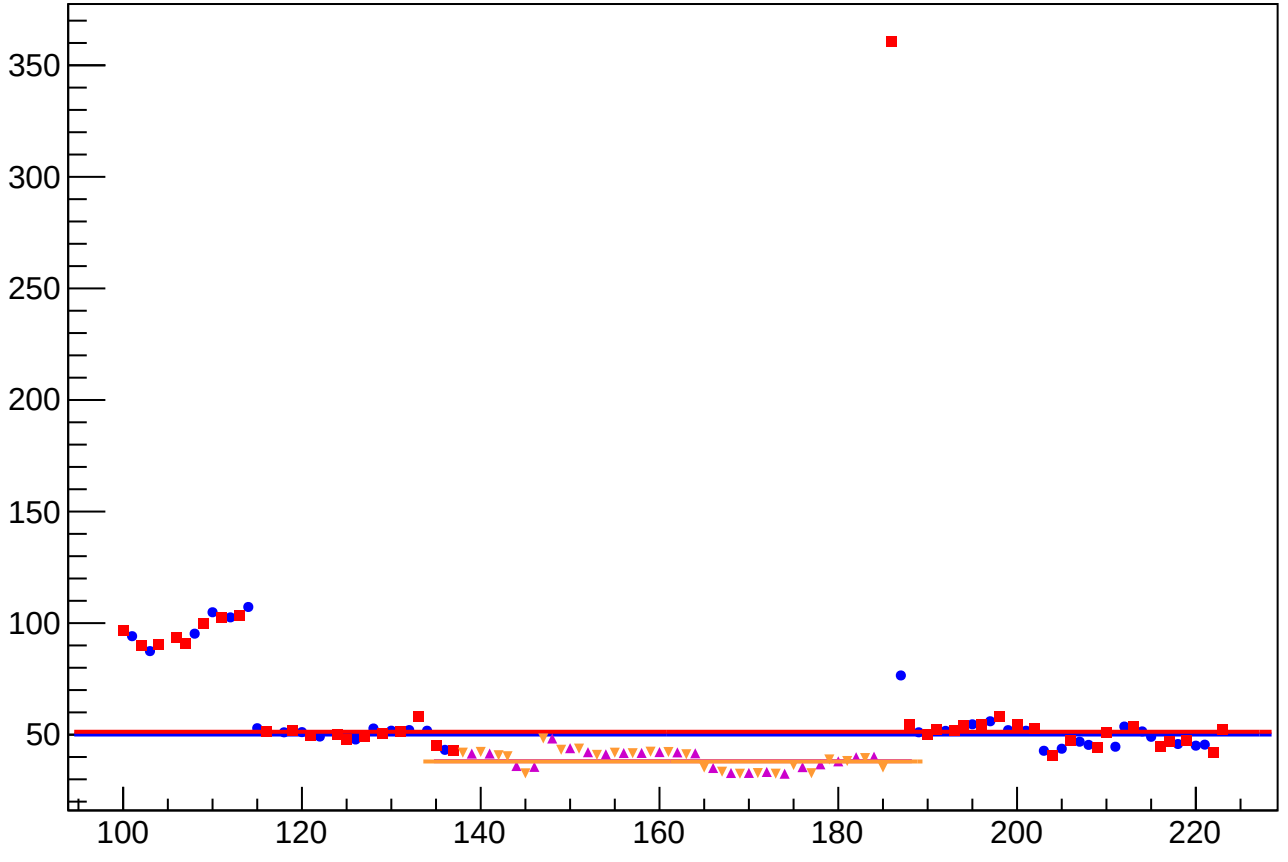
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 4.538+/-6.795 χ^2/NDF: 111.9/58

All: 5.074+/-4.864 χ^2/NDF: 192.0/120

- sign 5.638+/-6.965 χ^2/NDF: 80.1/61

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.077+/-0.008 χ^2/NDF: 1551951.4/33

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.313+/-0.008 χ^2/NDF: 2405734.5/38

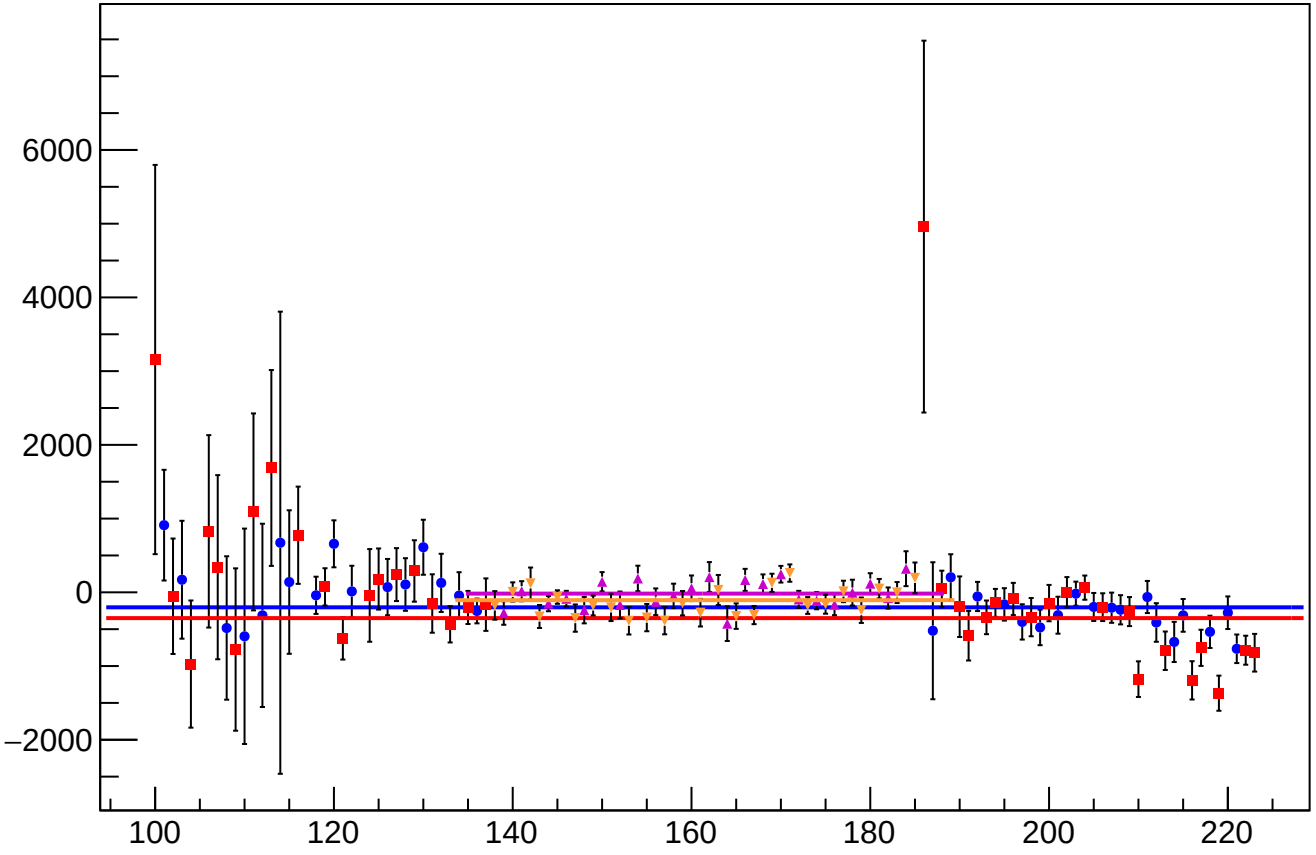
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.702+/-0.005 χ^2/NDF: 3571156.6/58

All: 43.030+/-0.003 χ^2/NDF: 8130395.3/120

- sign 43.375+/-0.005 χ^2/NDF: 4549670.0/61

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: -203.498+/-45.915 χ^2/NDF: 38.9/33

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -349.862+/-45.822 χ^2/NDF: 97.3/38

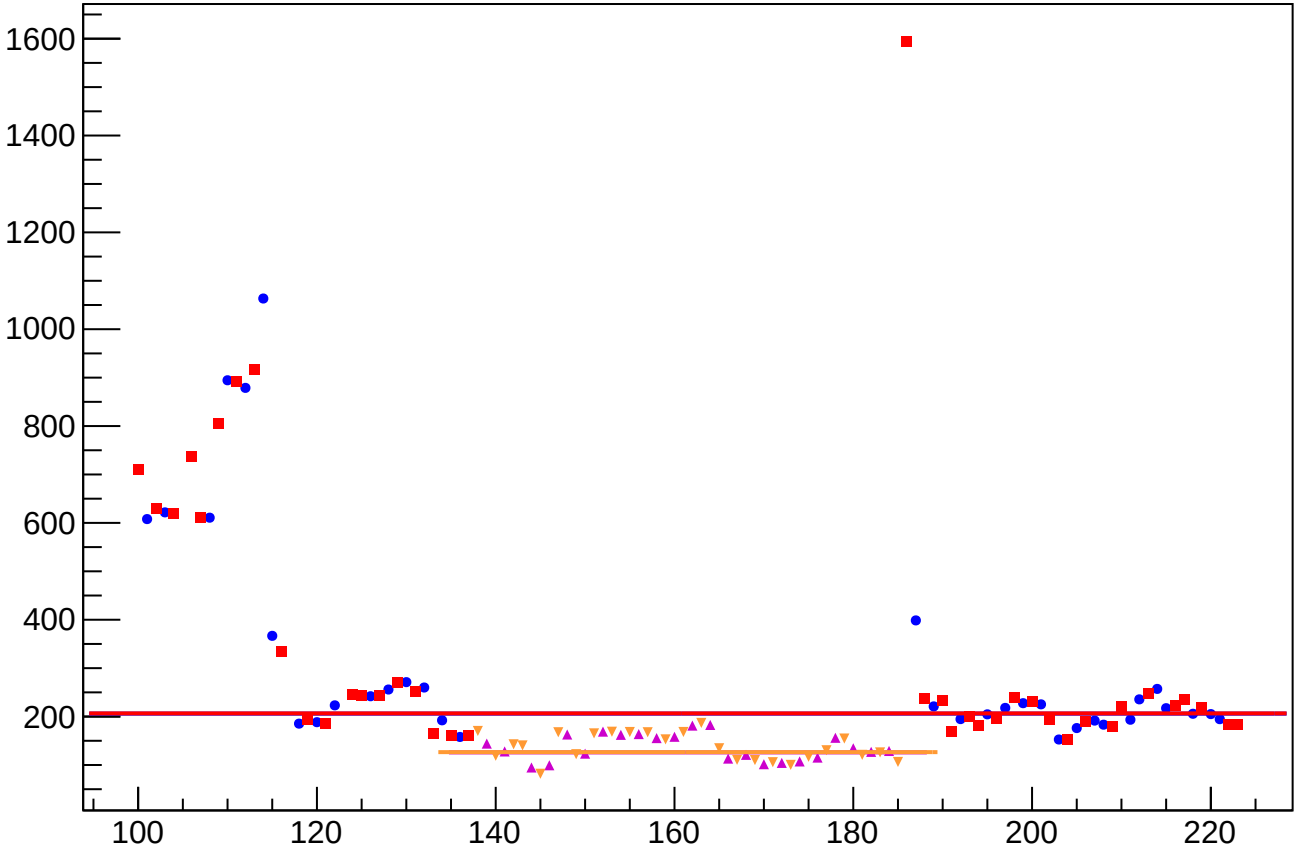
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -134.931+/-24.857 χ^2/NDF: 79.7/58

All: -126.630+/-17.699 χ^2/NDF: 242.2/120

- sign -118.093+/-25.207 χ^2/NDF: 162.2/61

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.061+/-0.032 χ^2/NDF: 3585417.0/33

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 206.568+/-0.032 χ^2/NDF: 4912142.6/38

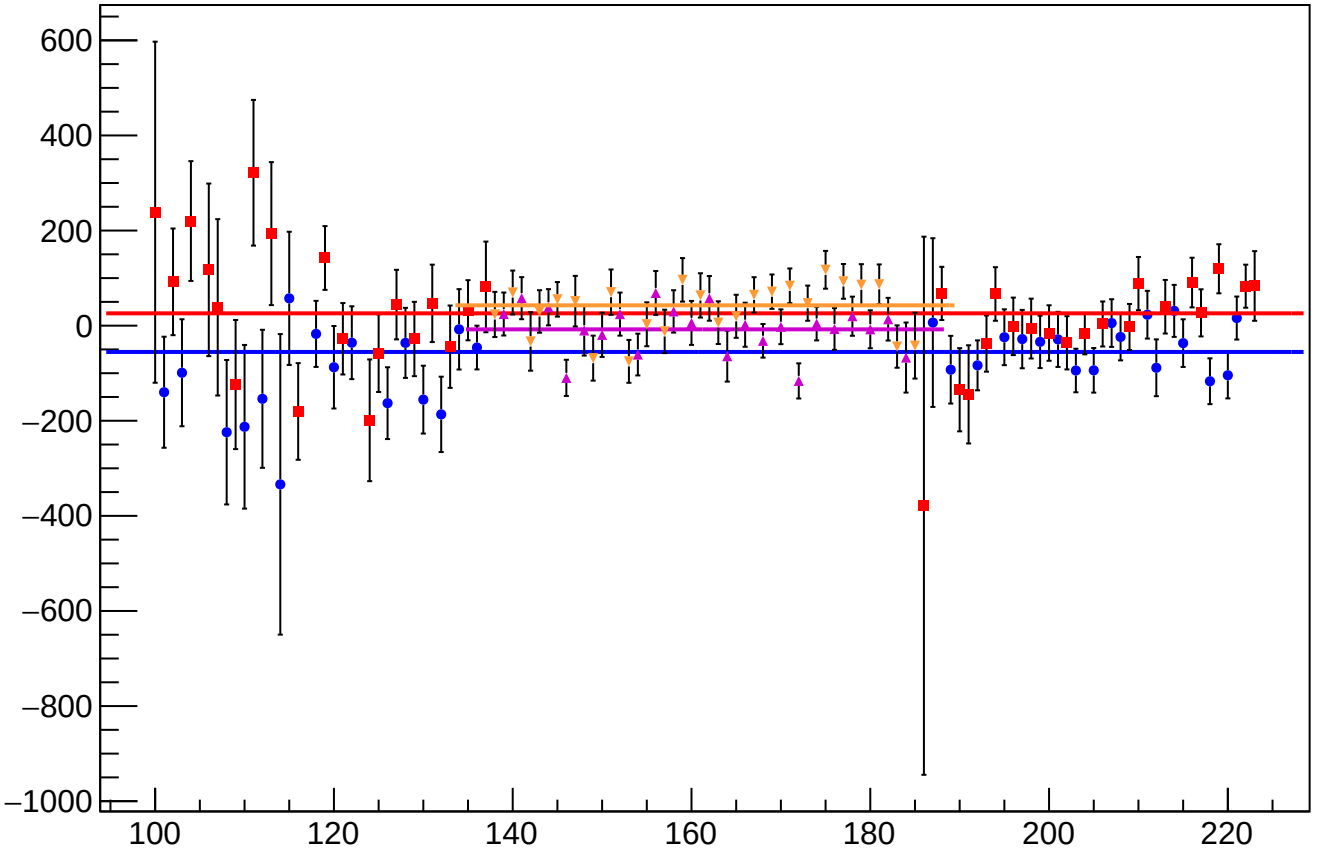
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 149.860+/-0.018 χ^2/NDF: 9582236.7/58

All: 150.122+/-0.013 χ^2/NDF: 20215999.9/12

- sign 150.391+/-0.018 χ^2/NDF: 10633312.2/61

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -55.301+/-10.883 χ^2/NDF: 27.6/33

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.920+/-11.044 χ^2/NDF: 43.8/38

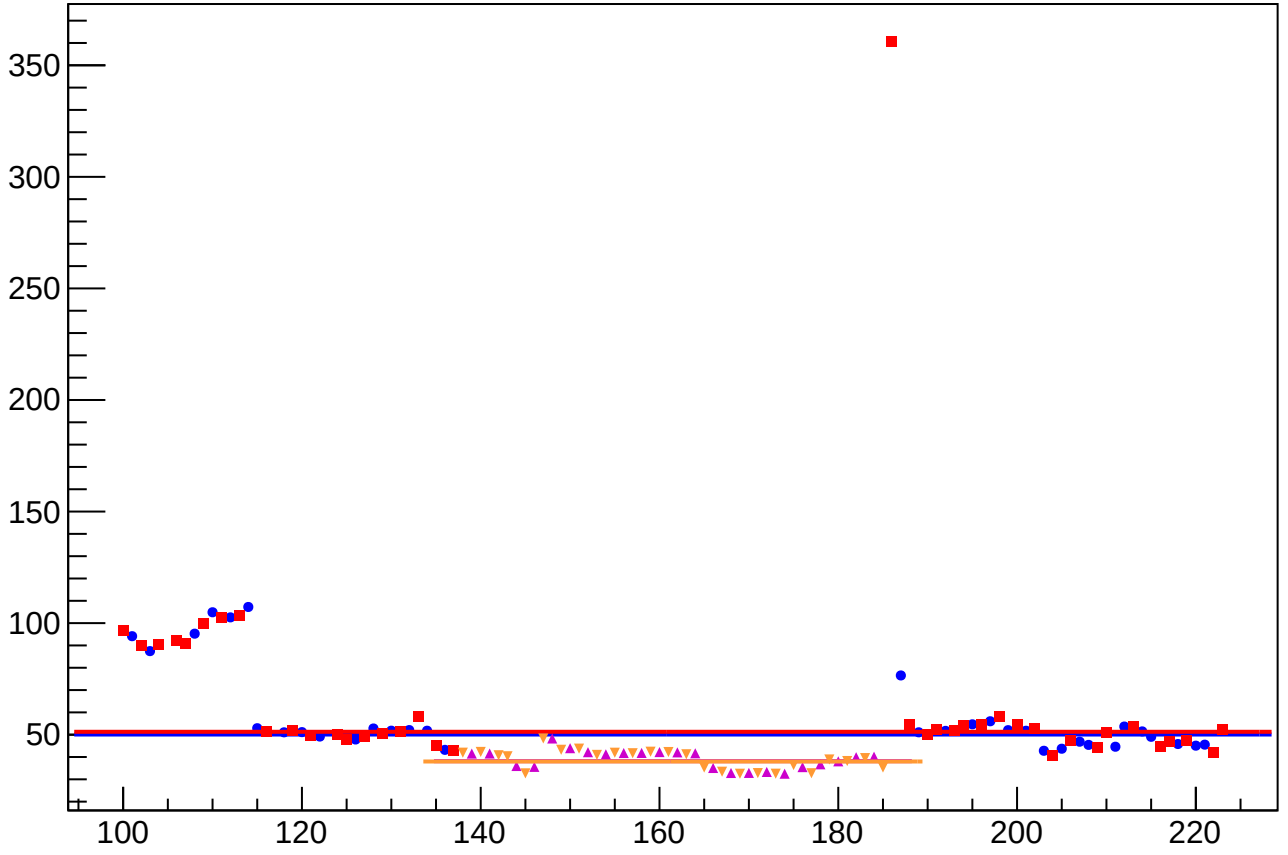
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

\+ sign 4.540+/-6.795 χ^2/NDF: 111.9/58

All: 5.066+/-4.864 χ^2/NDF: 192.0/120

\- sign 5.620+/-6.965 χ^2/NDF: 80.0/61

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.077+/-0.008 χ^2/NDF: 1551951.6/33

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

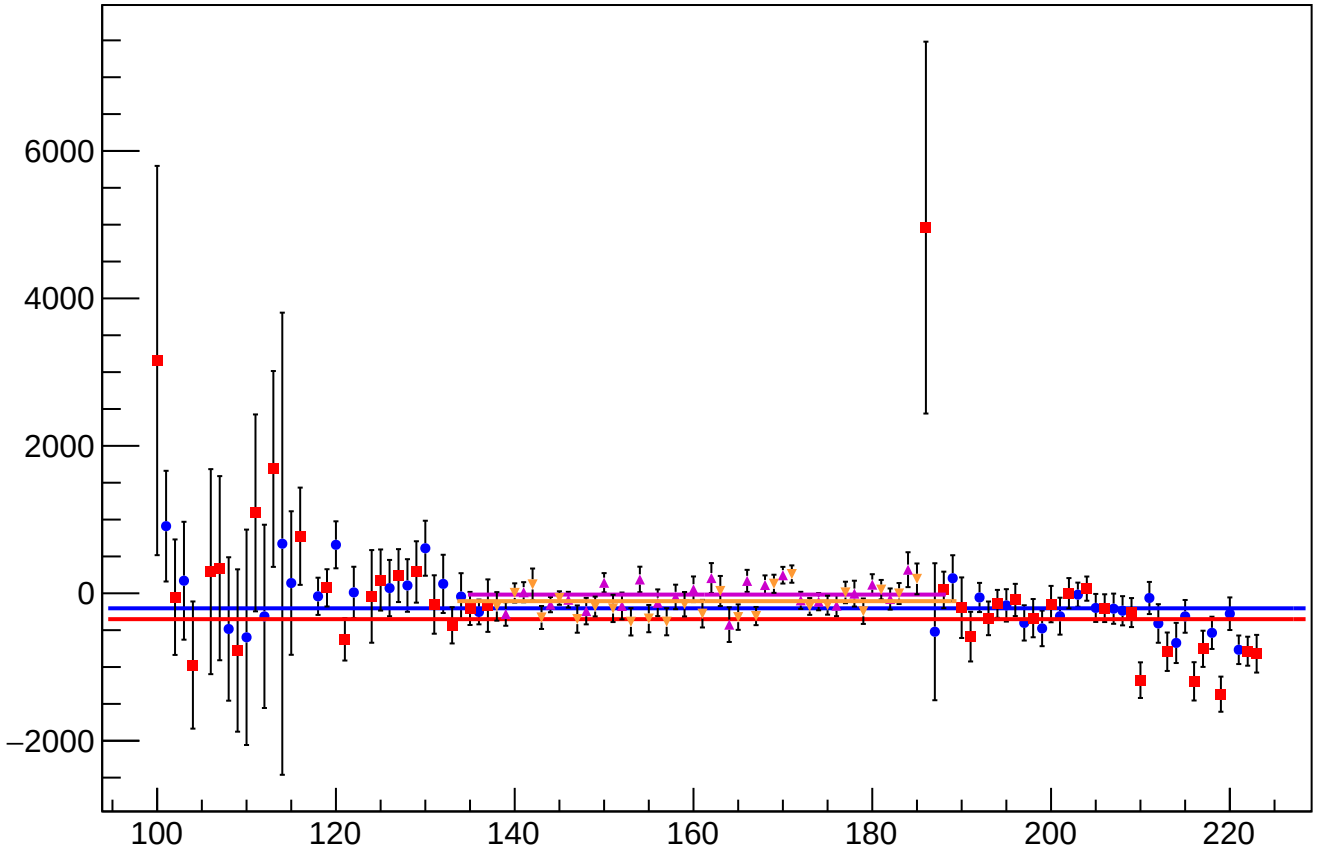
Right Out: 51.305+/-0.008 χ^2/NDF: 2396829.5/38

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.702+/-0.005 χ^2/NDF: 3571156.7/58

All: 43.028+/-0.003 χ^2/NDF: 8119391.4/120

- sign 43.371+/-0.005 χ^2/NDF: 4538755.3/61



Right In: -203.495+/-45.915 χ^2/NDF: 38.9/33

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -350.606+/-45.826 χ^2/NDF: 96.7/38

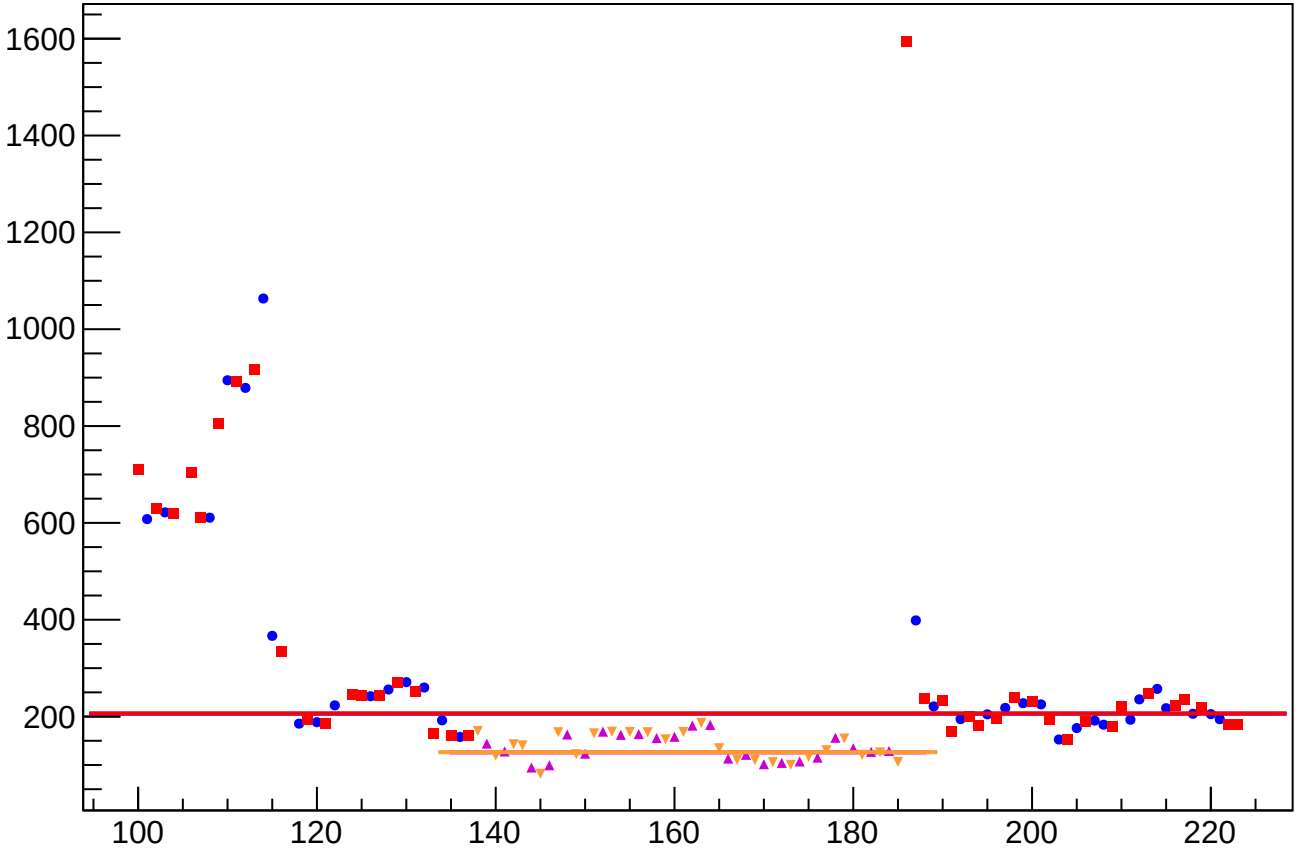
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -134.930+/-24.857 χ^2/NDF: 79.7/58

All: -126.736+/-17.699 χ^2/NDF: 241.7/120

- sign -118.308+/-25.208 χ^2/NDF: 161.7/61

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.061+/-0.032 χ^2/NDF: 3585425.6/33

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.456+/-0.032 χ^2/NDF: 4839072.7/38

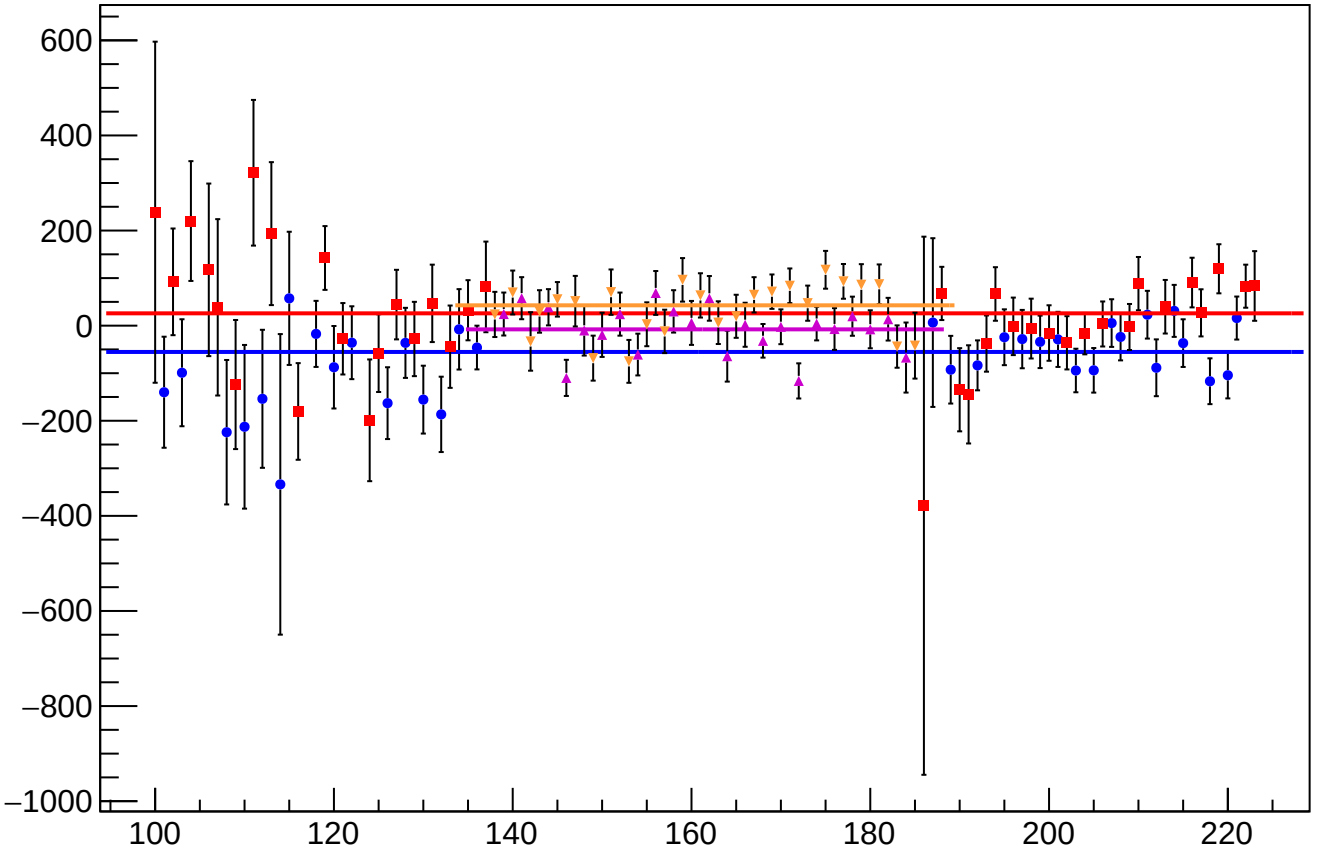
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 149.860+/-0.018 χ^2/NDF: 9582232.1/58

All: 150.104+/-0.013 χ^2/NDF: 20130375.3/12

- sign 150.355+/-0.018 χ^2/NDF: 10547752.5/61

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -55.301+/-10.883 χ^2/NDF: 27.6/33

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.920+/-11.044 χ^2/NDF: 43.8/38

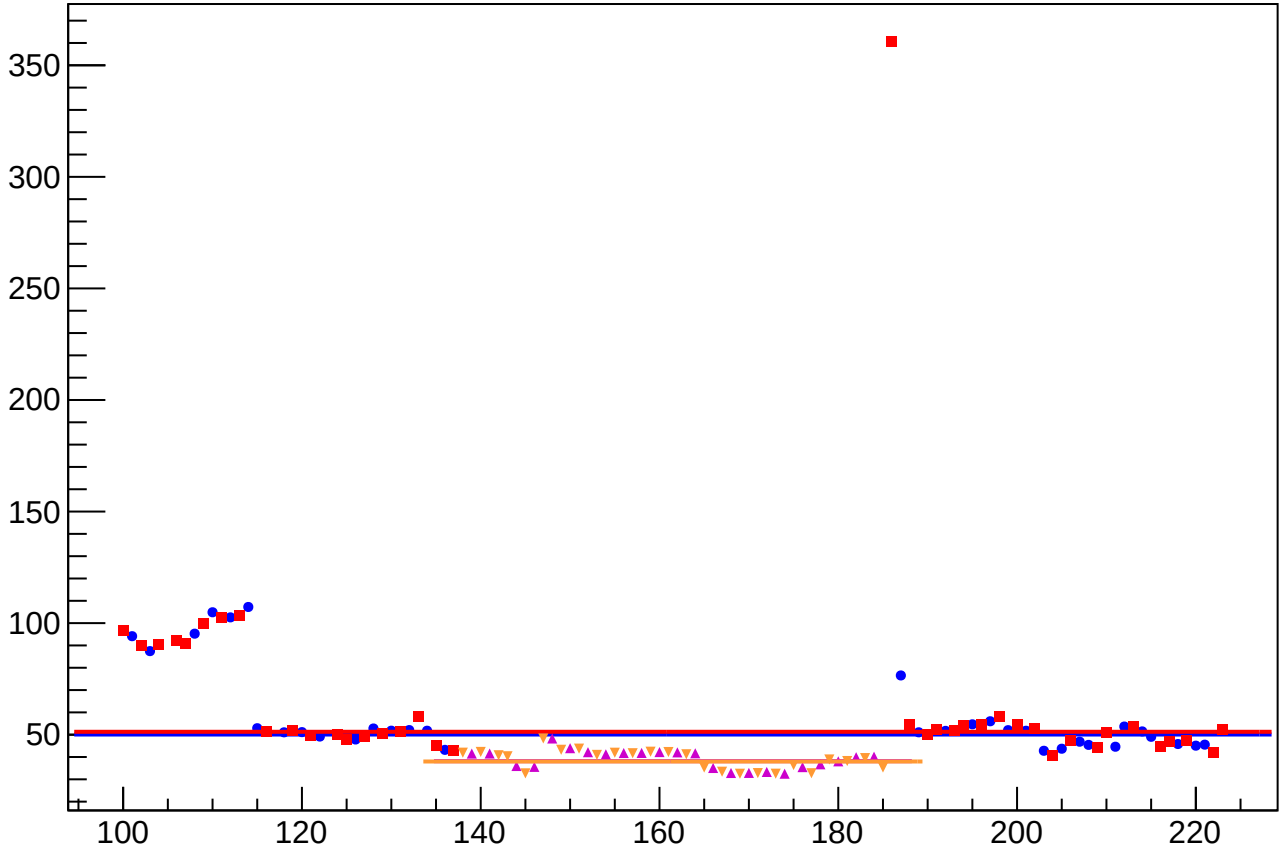
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 4.540+/-6.795 χ^2/NDF: 111.9/58

All: 5.066+/-4.864 χ^2/NDF: 192.0/120

- sign 5.620+/-6.965 χ^2/NDF: 80.0/61

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.077+/-0.008 χ^2/NDF: 1551951.6/33

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

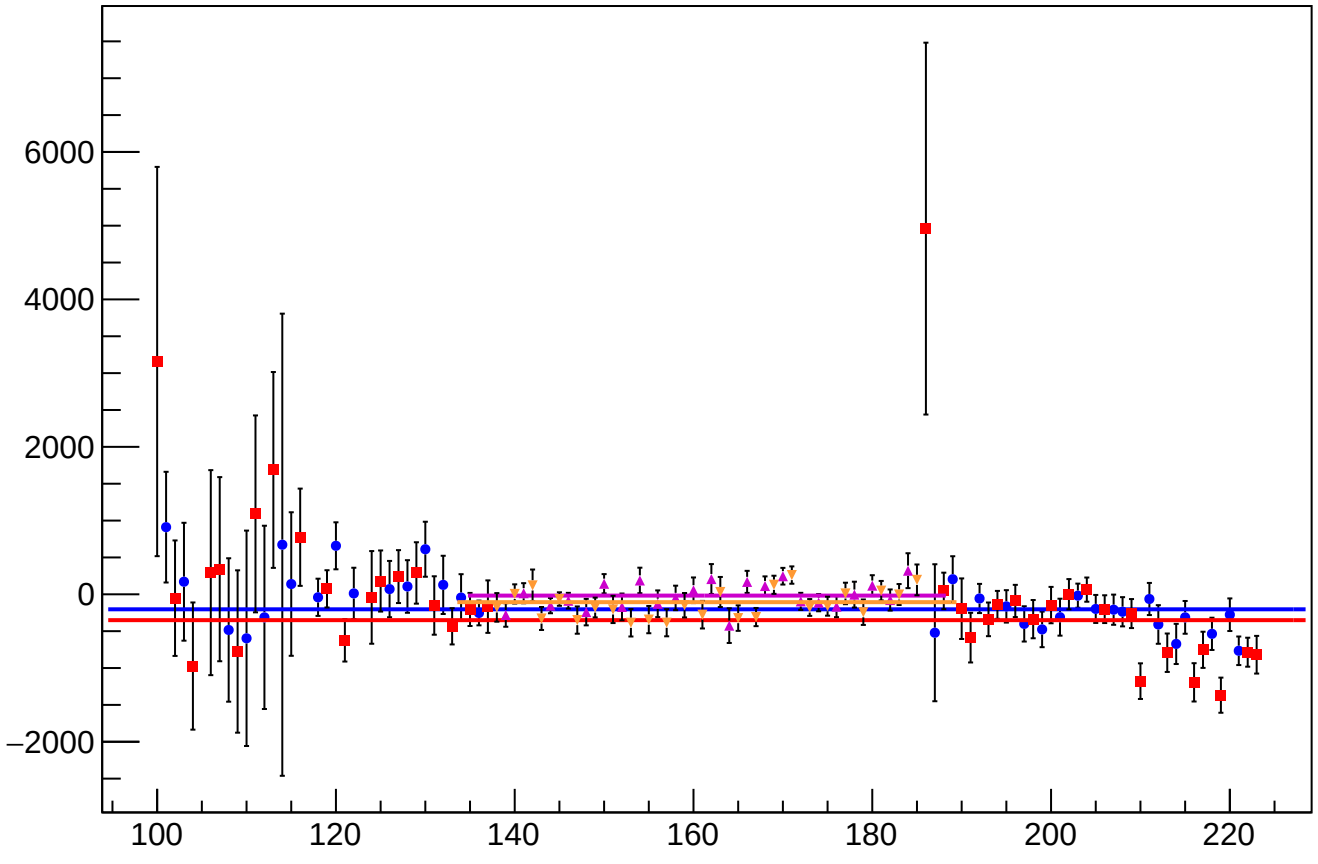
Right Out: 51.305+/-0.008 χ^2/NDF: 2396829.5/38

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.702+/-0.005 χ^2/NDF: 3571156.7/58

All: 43.028+/-0.003 χ^2/NDF: 8119391.4/120

- sign 43.371+/-0.005 χ^2/NDF: 4538755.3/61



Right In: -203.495+/-45.915 χ^2/NDF: 38.9/33

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

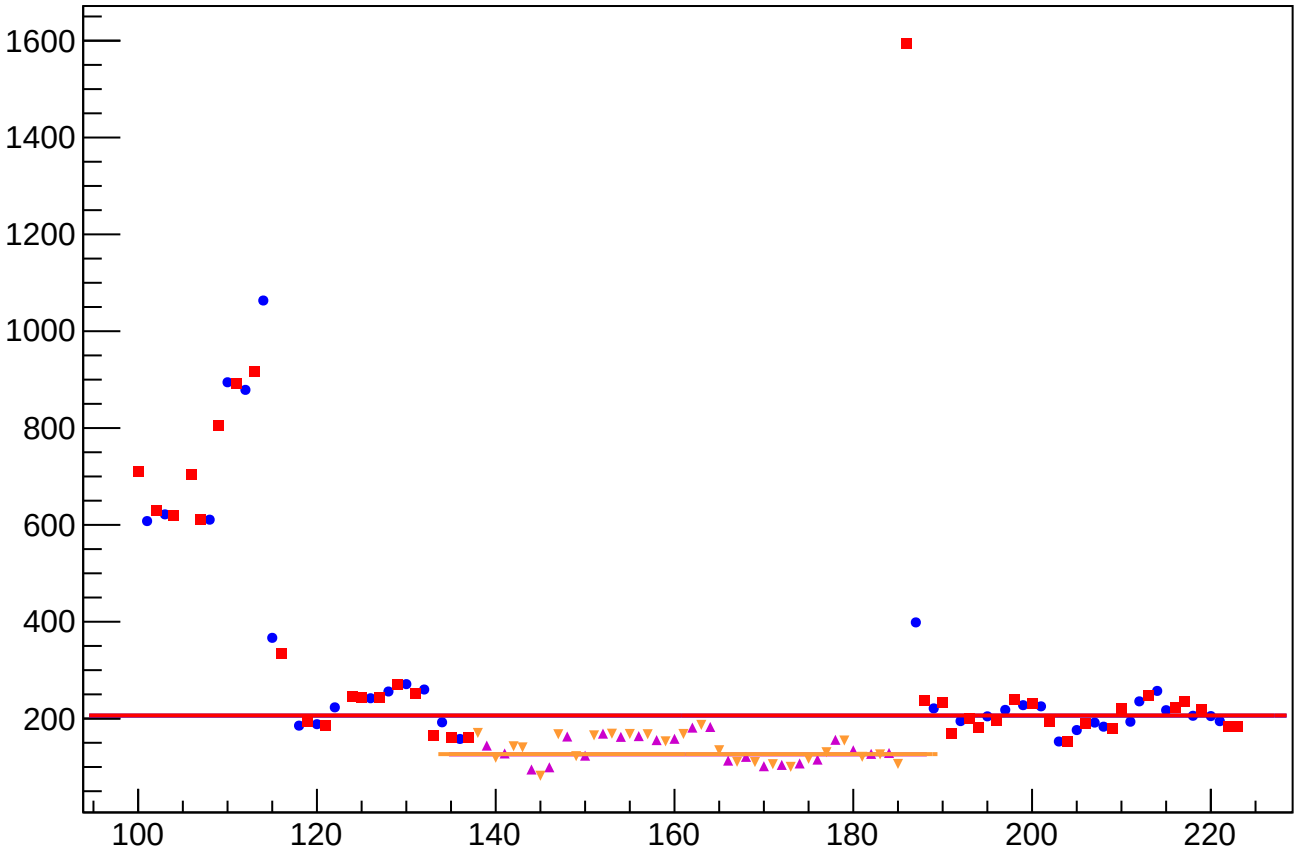
Right Out: -350.606+/-45.826 χ^2/NDF: 96.7/38

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -134.930+/-24.857 χ^2/NDF: 79.7/58

All: -126.736+/-17.699 χ^2/NDF: 241.7/120

- sign -118.308+/-25.208 χ^2/NDF: 161.7/61



Right In: 206.061+/-0.032 χ^2/NDF: 3585425.6/33

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.456+/-0.032 χ^2/NDF: 4839072.7/38

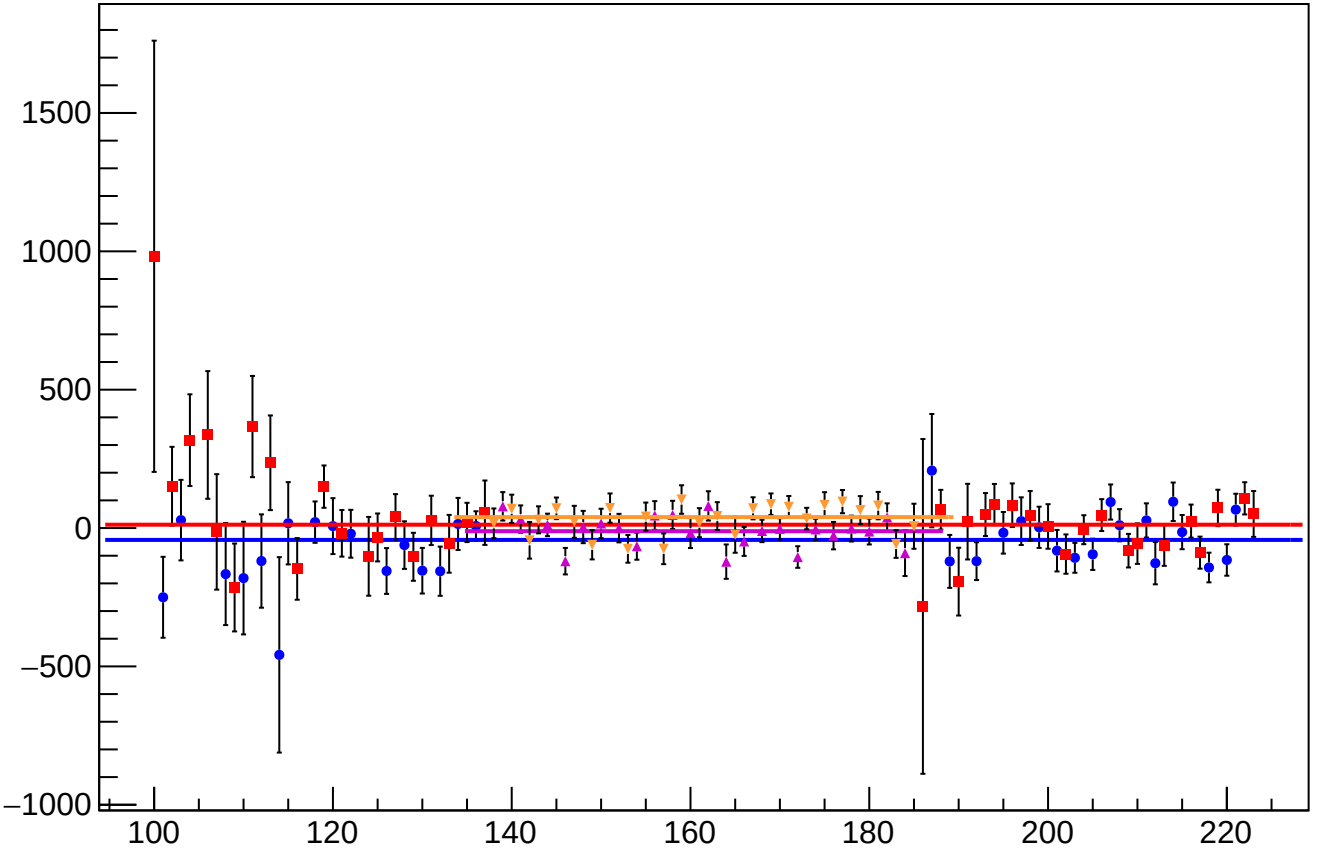
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 149.860+/-0.018 χ^2/NDF: 9582232.1/58

All: 150.104+/-0.013 χ^2/NDF: 20130375.3/12

- sign 150.355+/-0.018 χ^2/NDF: 10547752.5/61

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -42.833+/-13.192 χ^2/NDF: 40.5/33

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 12.115+/-13.553 χ^2/NDF: 43.9/38

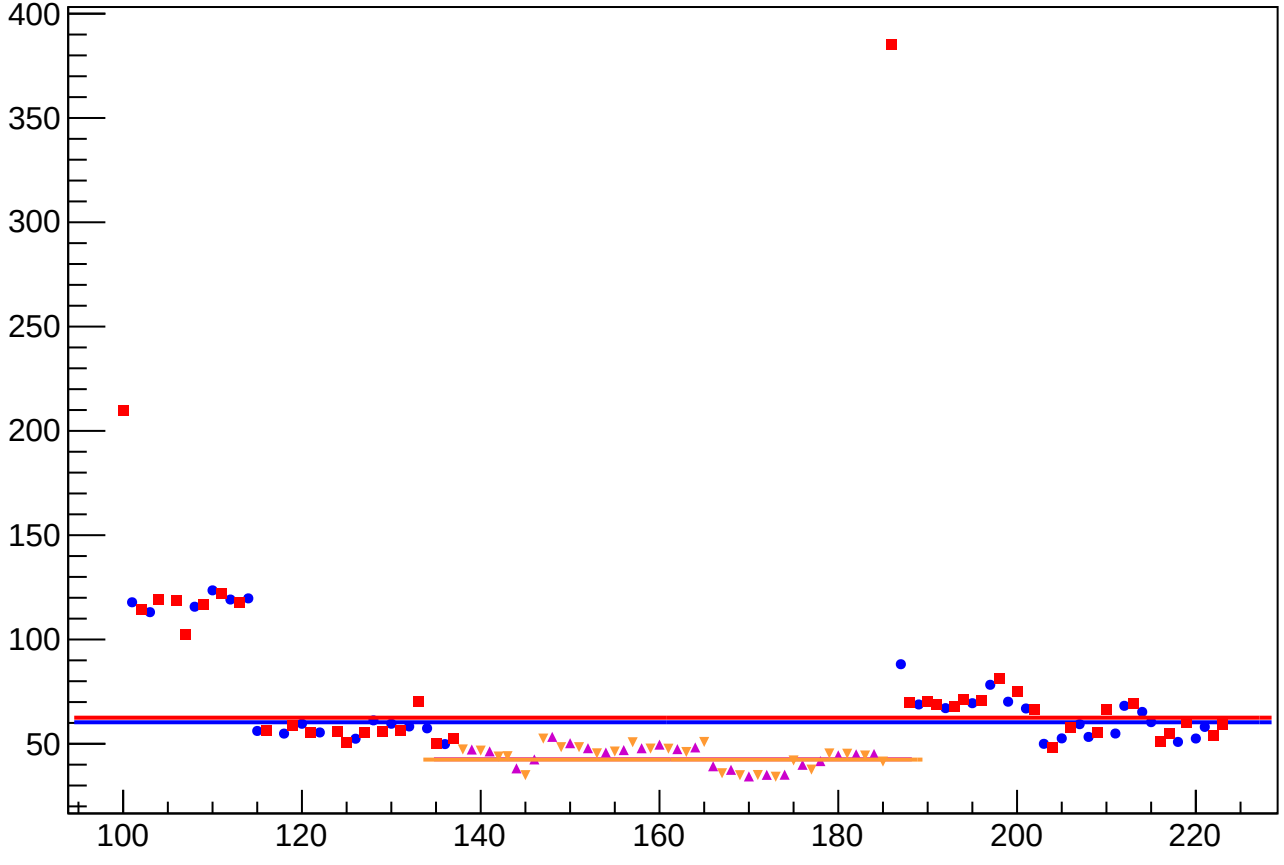
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 10.472+/-7.838 χ^2/NDF: 95.3/58

All: 3.962+/-5.628 χ^2/NDF: 170.5/120

- sign -2.968+/-8.087 χ^2/NDF: 73.8/61

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.316+/-0.009 χ^2/NDF: 1892951.2/33

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 62.523+/-0.010 χ^2/NDF: 2774551.0/38

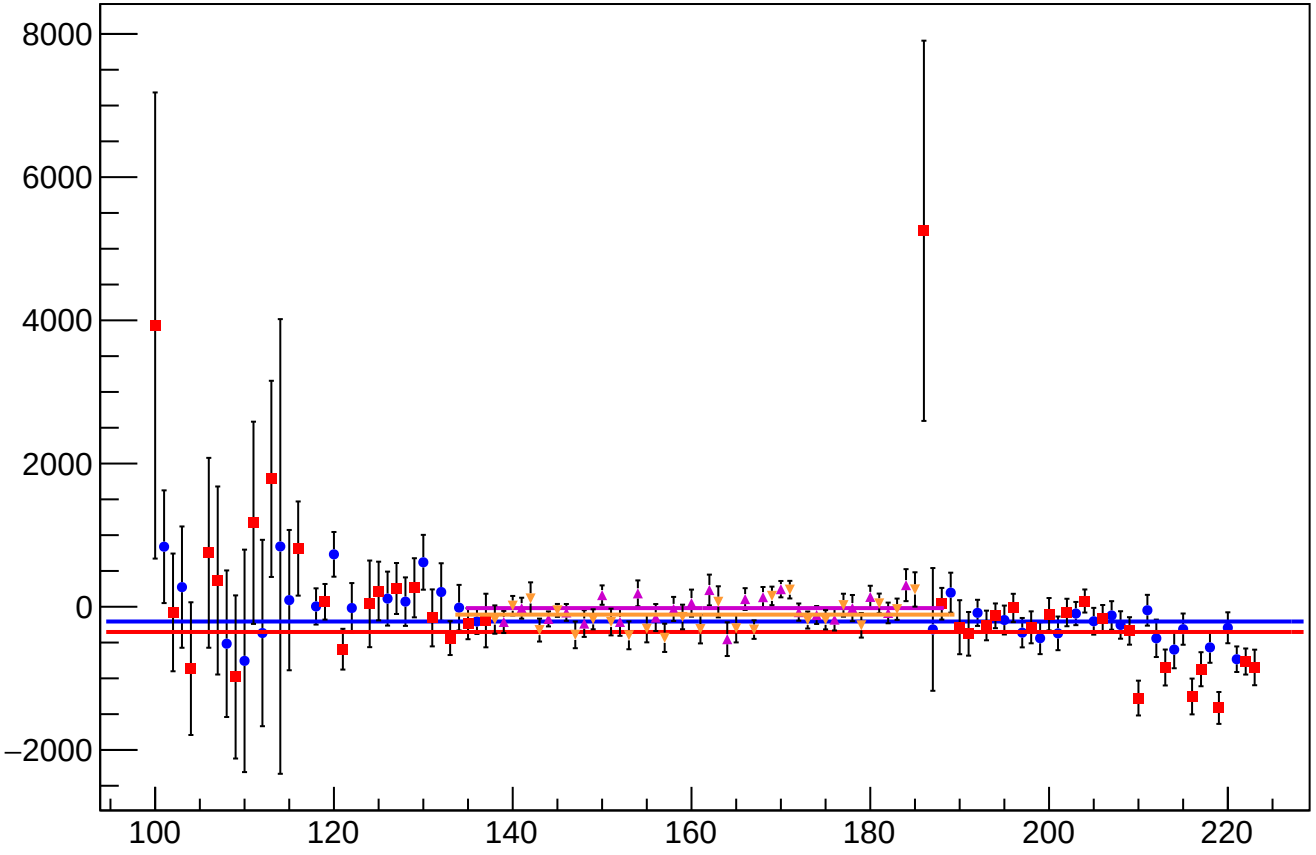
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 48.743+/-0.006 χ^2/NDF: 4971460.0/58

All: 49.196+/-0.004 χ^2/NDF: 11138862.8/120

- sign 49.679+/-0.006 χ^2/NDF: 6153562.1/61

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -206.023+/-44.351 χ^2/NDF: 41.0/33

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -352.276+/-43.555 χ^2/NDF: 114.1/38

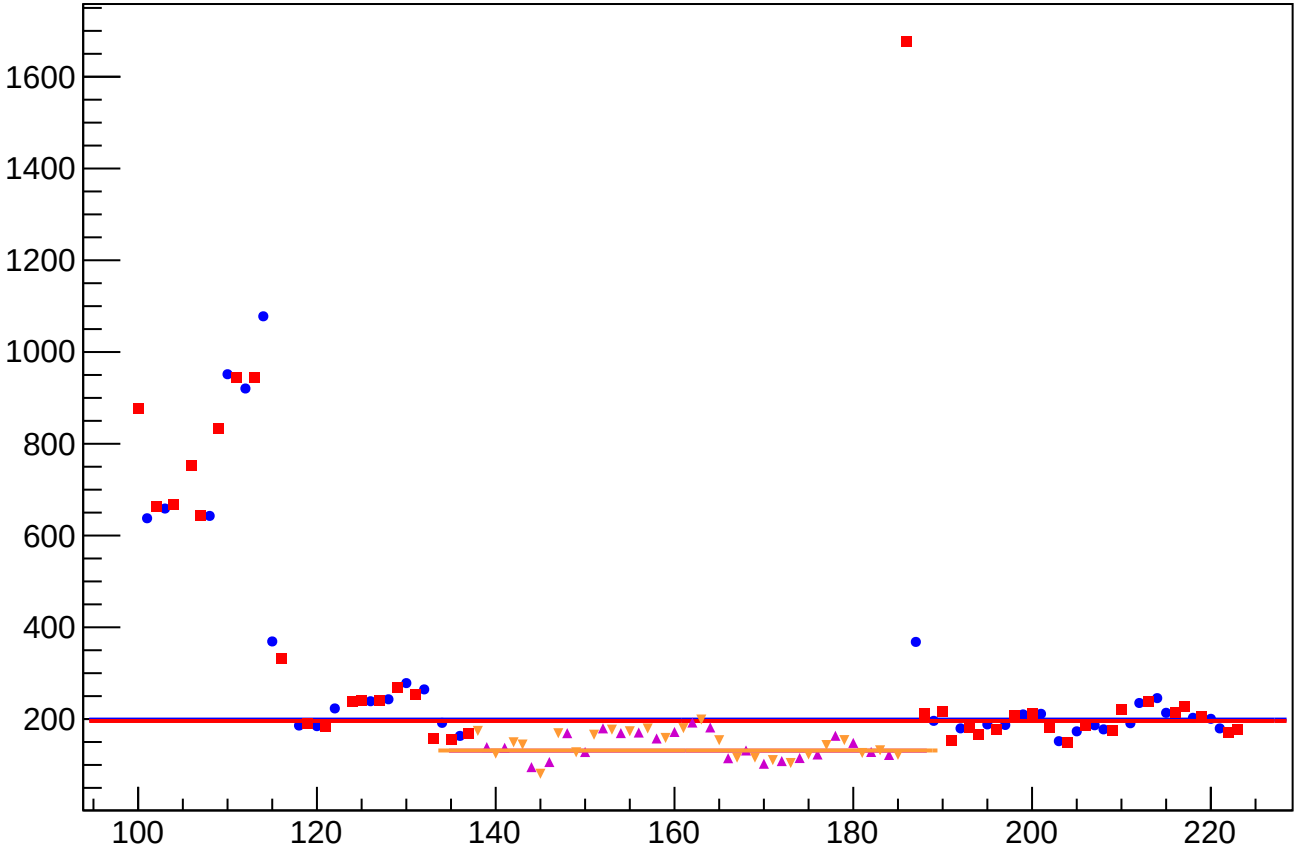
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -141.098+/-25.275 χ^2/NDF: 80.4/58

All: -137.204+/-17.955 χ^2/NDF: 260.3/120

- sign -133.237+/-25.512 χ^2/NDF: 179.8/61

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 198.843+/-0.031 χ^2/NDF: 3686862.1/33

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 195.823+/-0.031 χ^2/NDF: 5170213.1/38

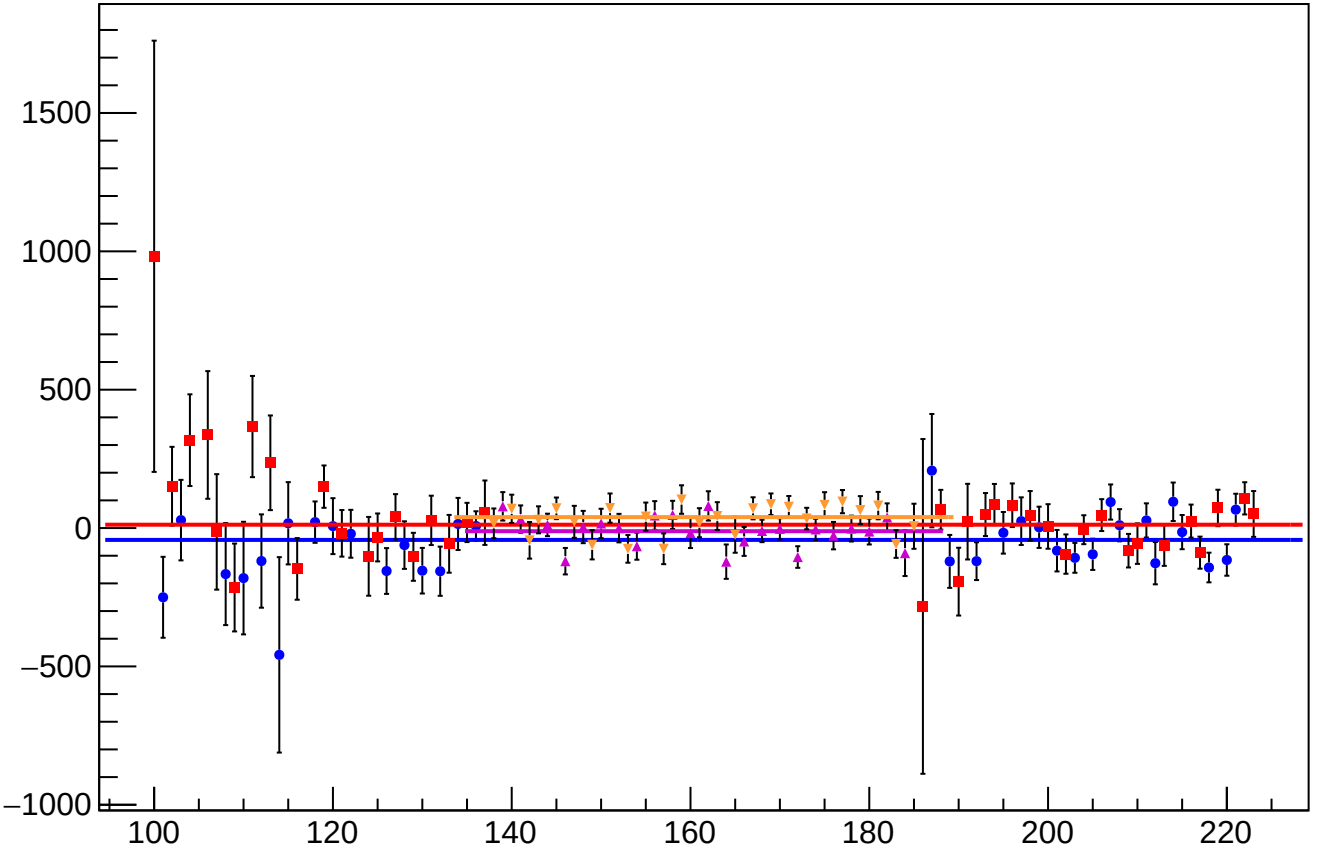
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 153.382+/-0.018 χ^2/NDF: 8702034.0/58

All: 153.336+/-0.013 χ^2/NDF: 18243645.8/12

- sign 153.289+/-0.018 χ^2/NDF: 9541598.4/61

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -42.834+/-13.192 χ^2/NDF: 40.5/33

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 12.116+/-13.553 χ^2/NDF: 43.9/38

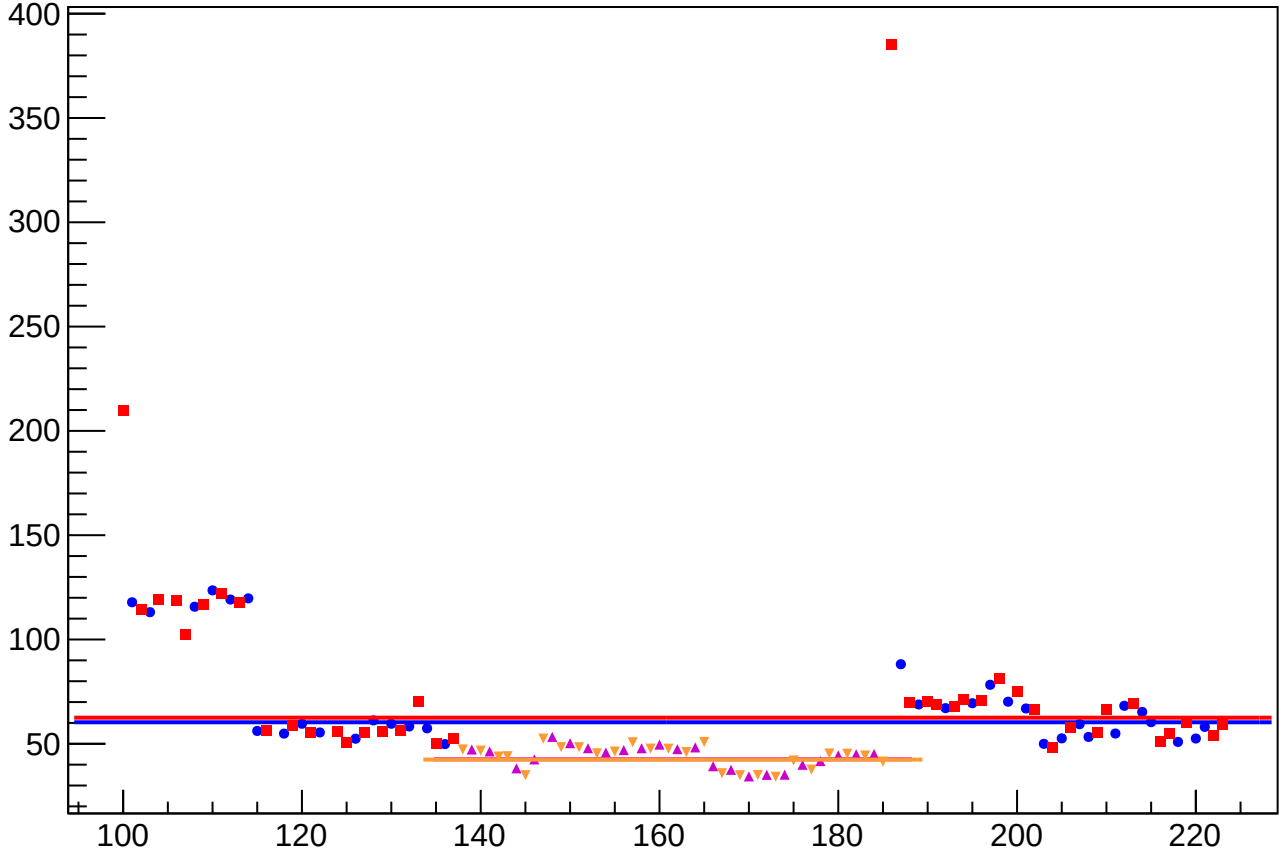
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 10.473+/-7.838 χ^2/NDF: 95.3/58

All: 3.962+/-5.628 χ^2/NDF: 170.5/120

- sign -2.967+/-8.087 χ^2/NDF: 73.8/61

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.316+/-0.009 χ^2/NDF: 1892965.6/33

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

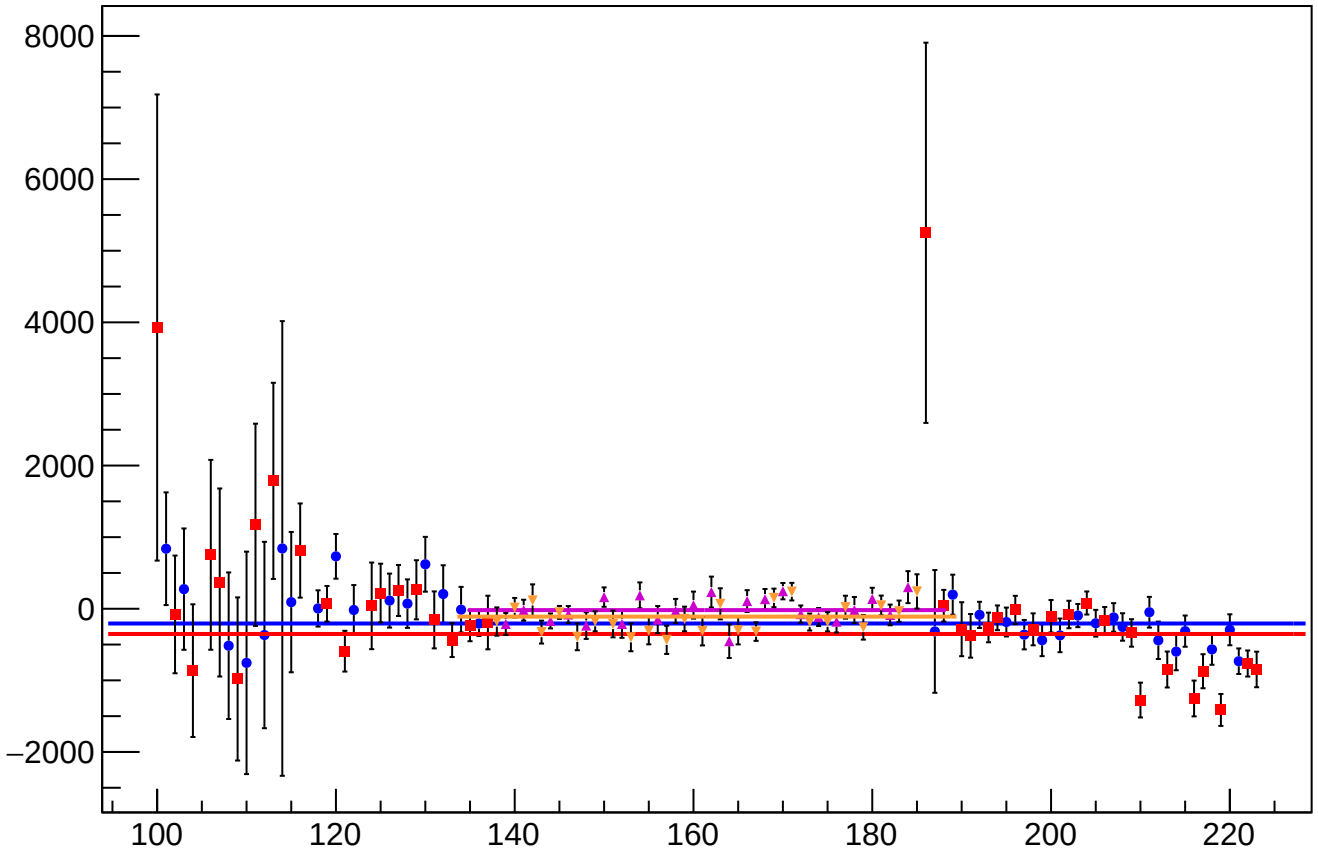
Right Out: 62.524+/-0.010 χ^2/NDF: 2774522.7/38

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 48.742+/-0.006 χ^2/NDF: 4971468.5/58

All: 49.196+/-0.004 χ^2/NDF: 11138877.3/120

- sign 49.680+/-0.006 χ^2/NDF: 6153563.8/61



Right In: -206.024+/-44.351 χ^2/NDF: 41.0/33

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

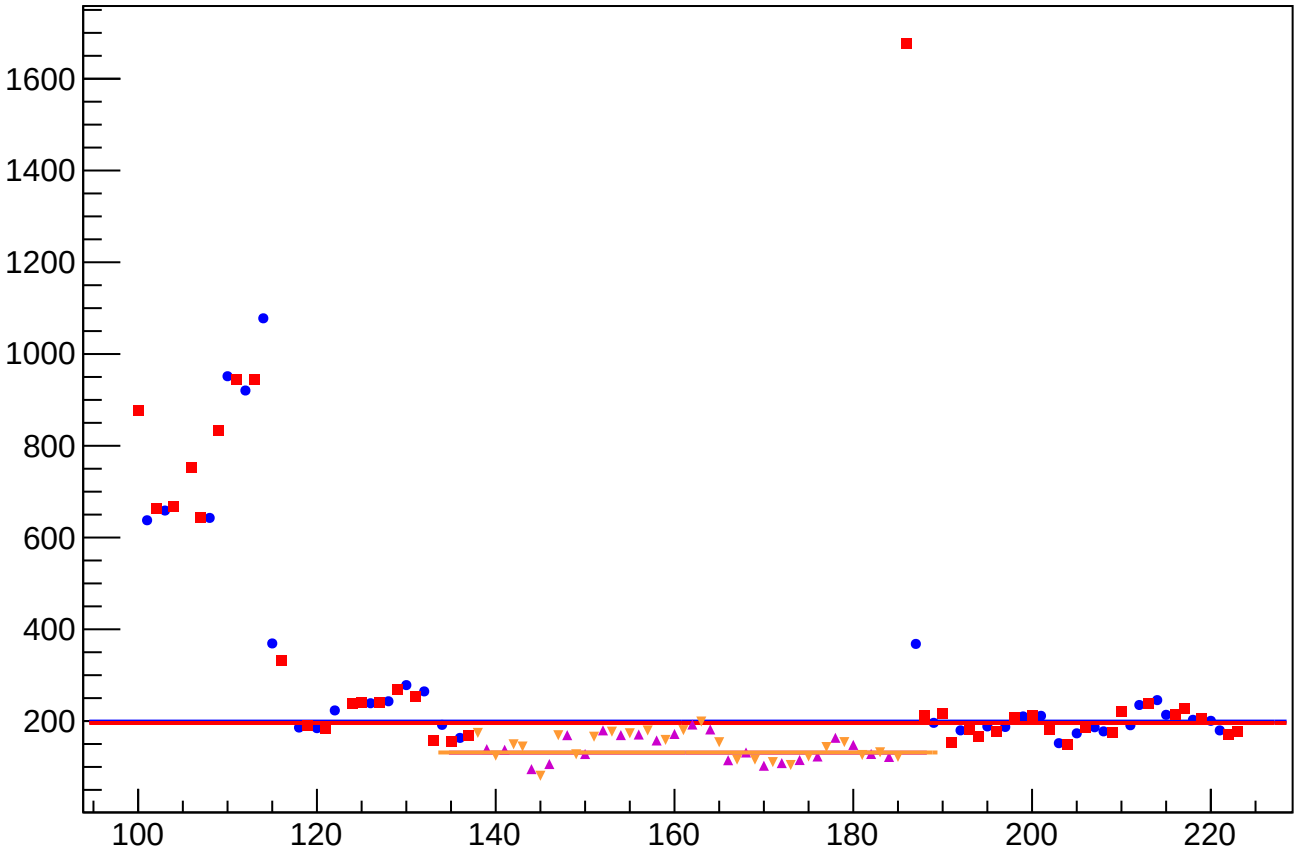
Right Out: -352.274+/-43.555 χ^2/NDF: 114.1/38

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -141.098+/-25.275 χ^2/NDF: 80.4/58

All: -137.204+/-17.955 χ^2/NDF: 260.3/120

- sign -133.238+/-25.512 χ^2/NDF: 179.8/61



Right In: 198.843+/-0.031 χ^2/NDF: 3686861.1/33

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 195.823+/-0.031 χ^2/NDF: 5170222.7/38

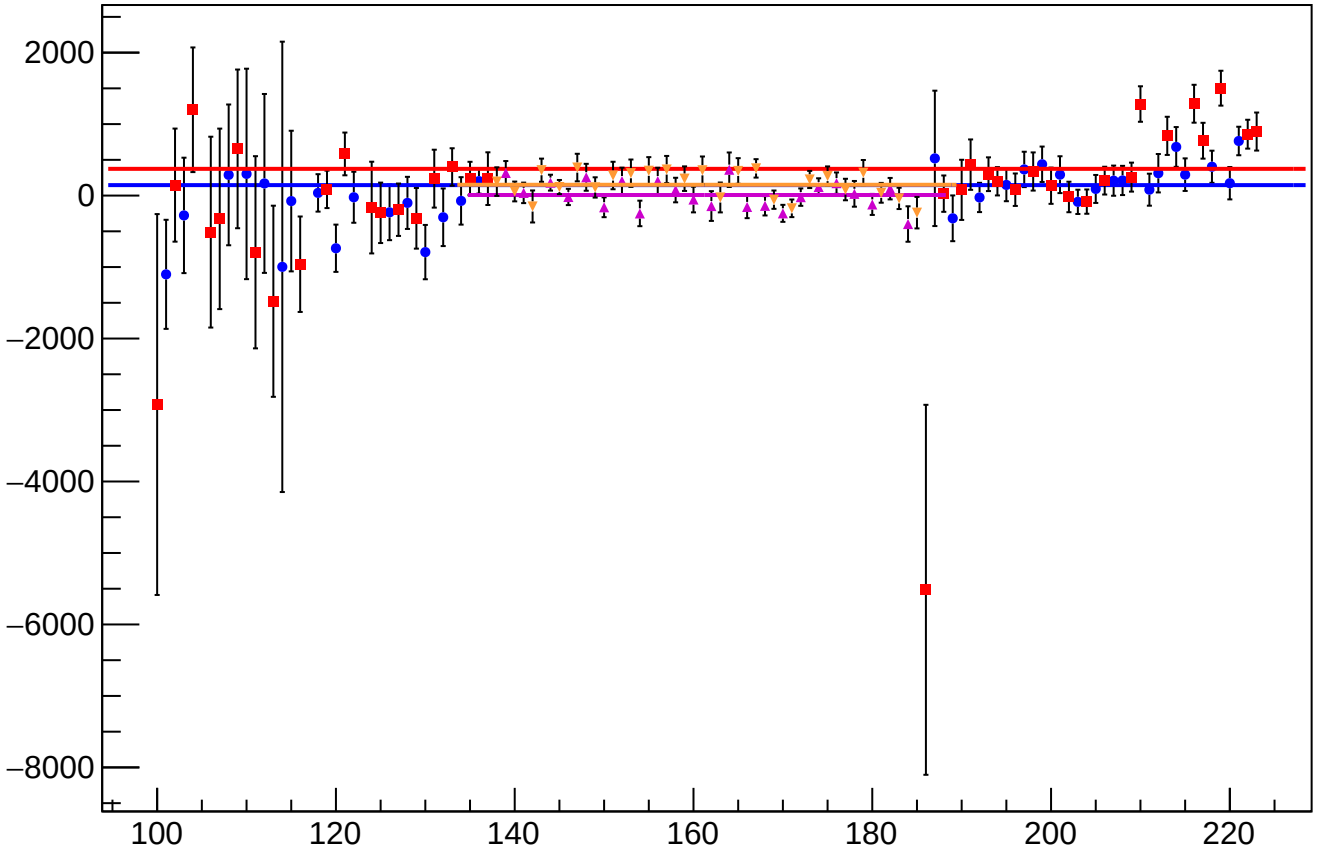
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 153.382+/-0.018 χ^2/NDF: 8701972.2/58

All: 153.336+/-0.013 χ^2/NDF: 18243537.0/12

- sign 153.289+/-0.018 χ^2/NDF: 9541551.4/61

asym_sam_37_26_dd_mean vs Slug



Right In: 146.361+/-47.323 χ^2/NDF: 43.1/33

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 374.070+/-47.314 χ^2/NDF: 104.5/38

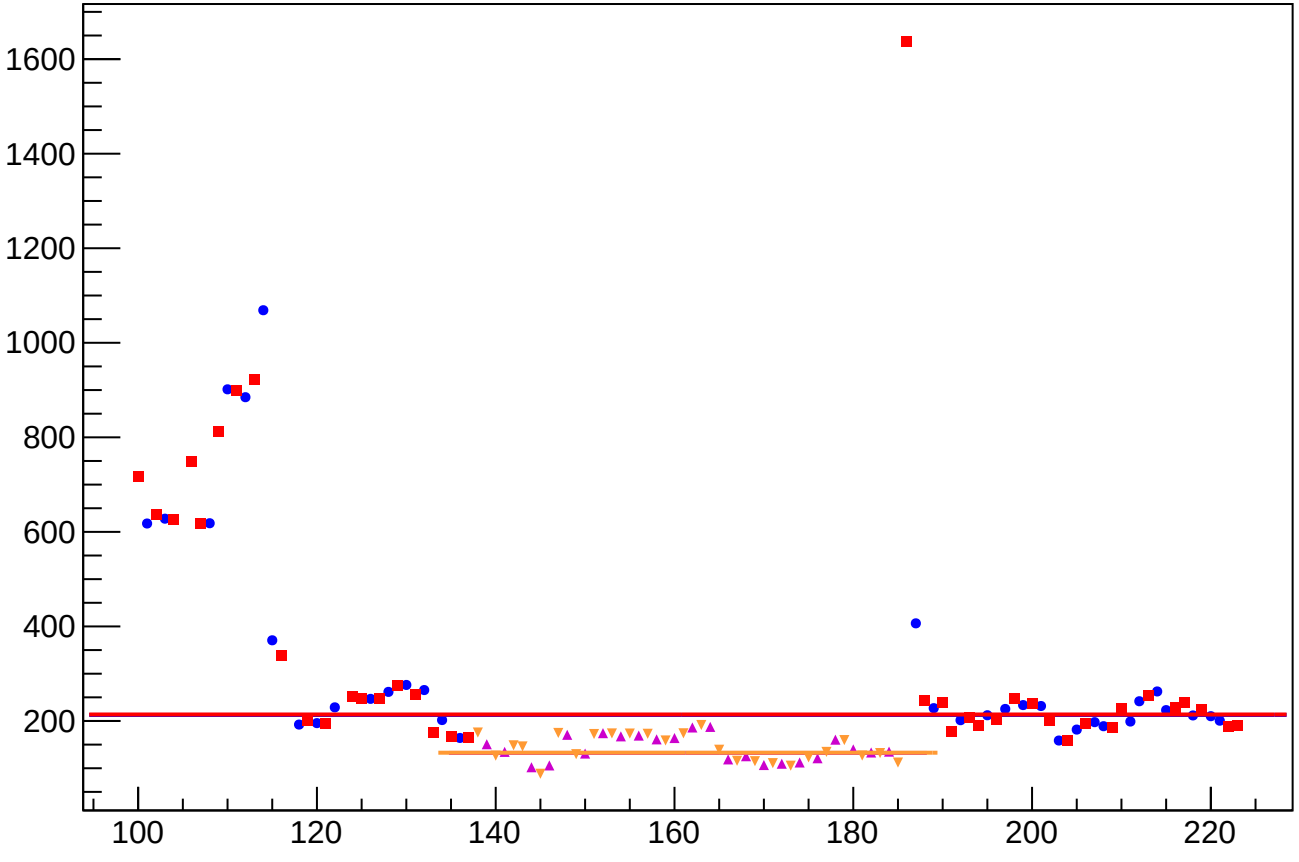
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 149.686+/-25.903 χ^2/NDF: 76.2/58

All: 135.548+/-18.452 χ^2/NDF: 252.2/120

- sign 120.985+/-26.290 χ^2/NDF: 175.4/61

asym_sam_37_26_dd_rms vs Slug



Right In: 212.705+/-0.033 χ^2/NDF: 3486961.4/33

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

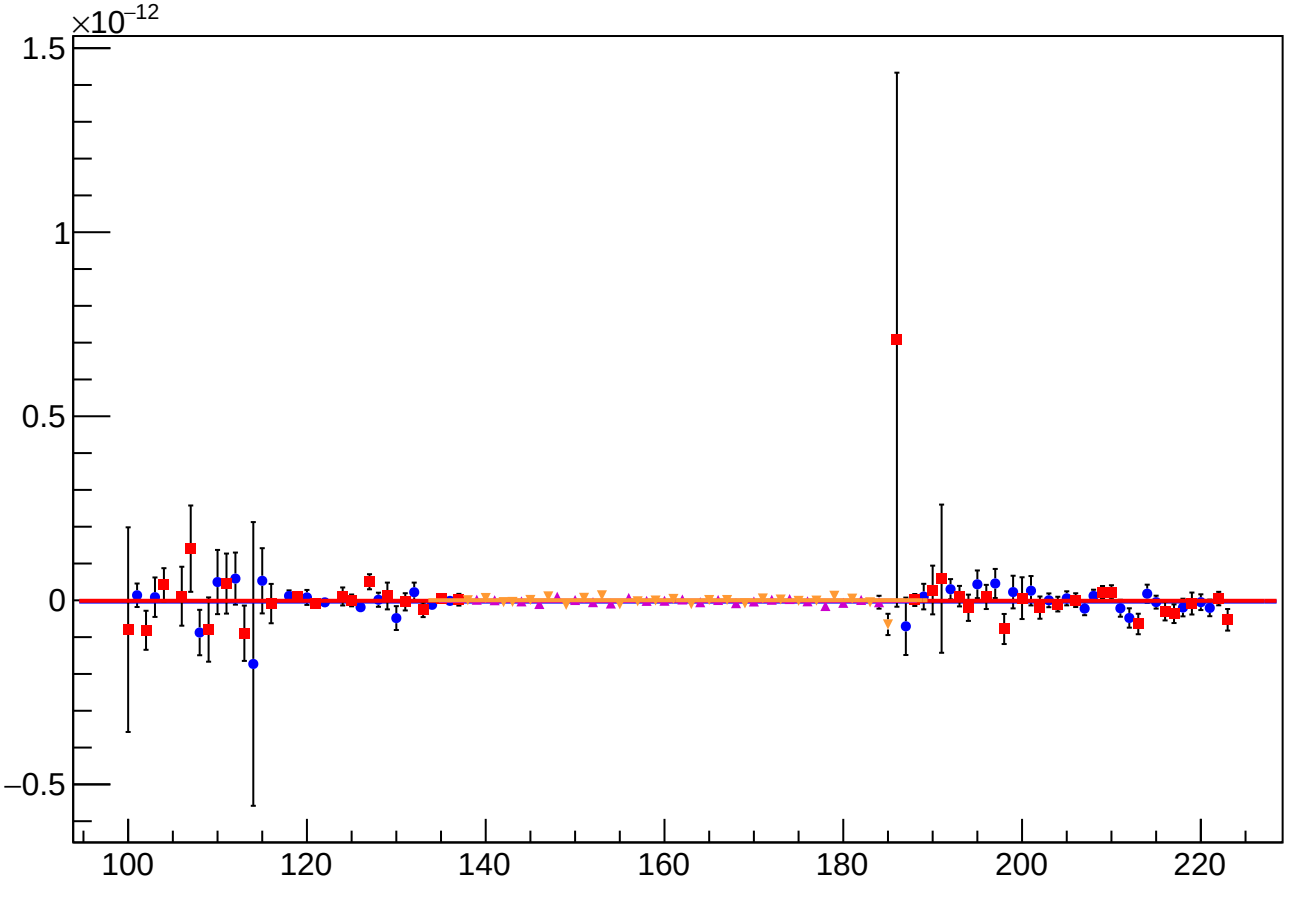
Right Out: 213.695+/-0.033 χ^2/NDF: 4776172.8/38

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 156.794+/-0.018 χ^2/NDF: 9065361.4/58

All: 157.122+/-0.013 χ^2/NDF: 19207312.9/12

- sign 157.460+/-0.019 χ^2/NDF: 10141299.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

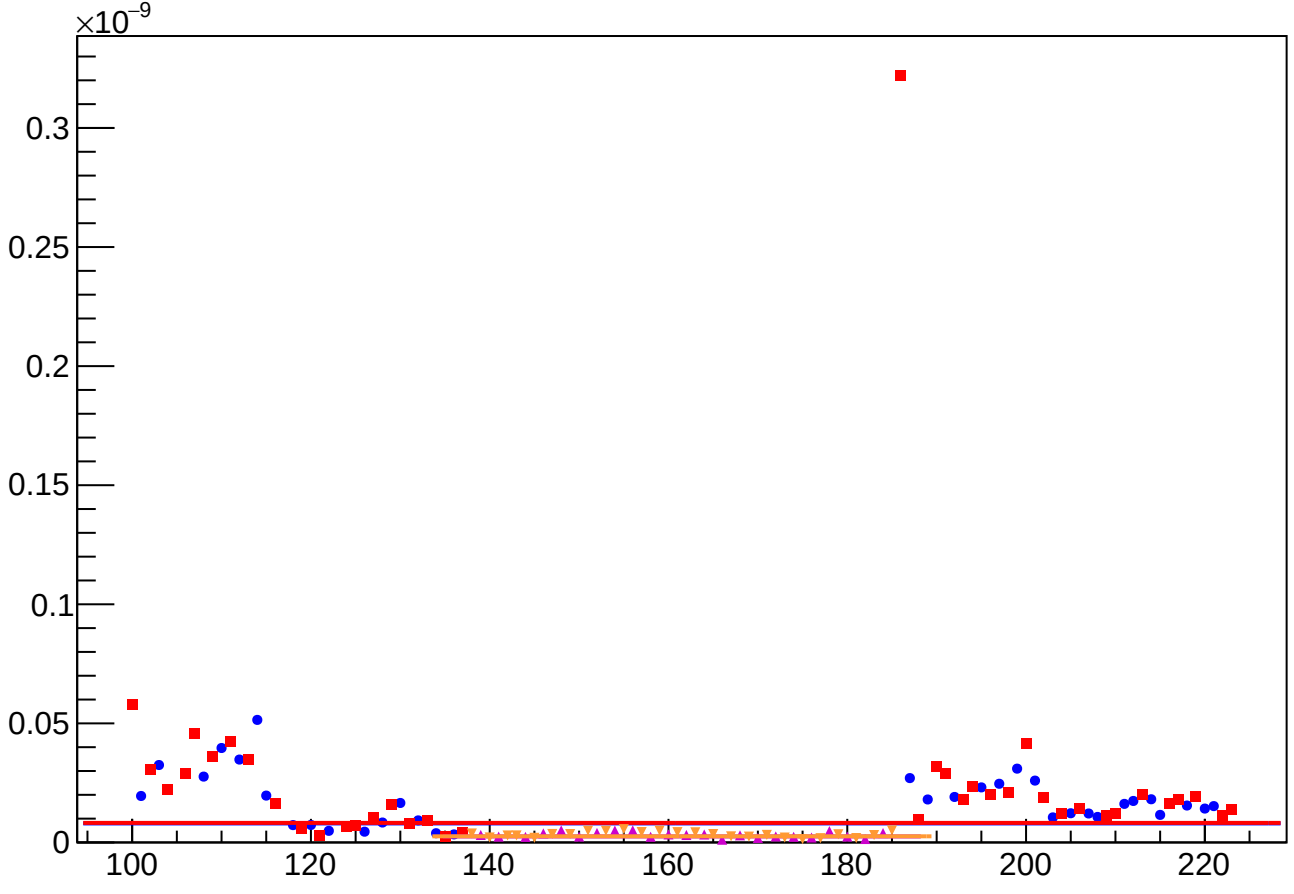
Right Out: -0.000+/-0.000 χ^2/NDF: 39.4/38

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/58

All: -0.000+/-0.000 χ^2/NDF: 113.9/120

- sign -0.000+/-0.000 χ^2/NDF: 54.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 7856576.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

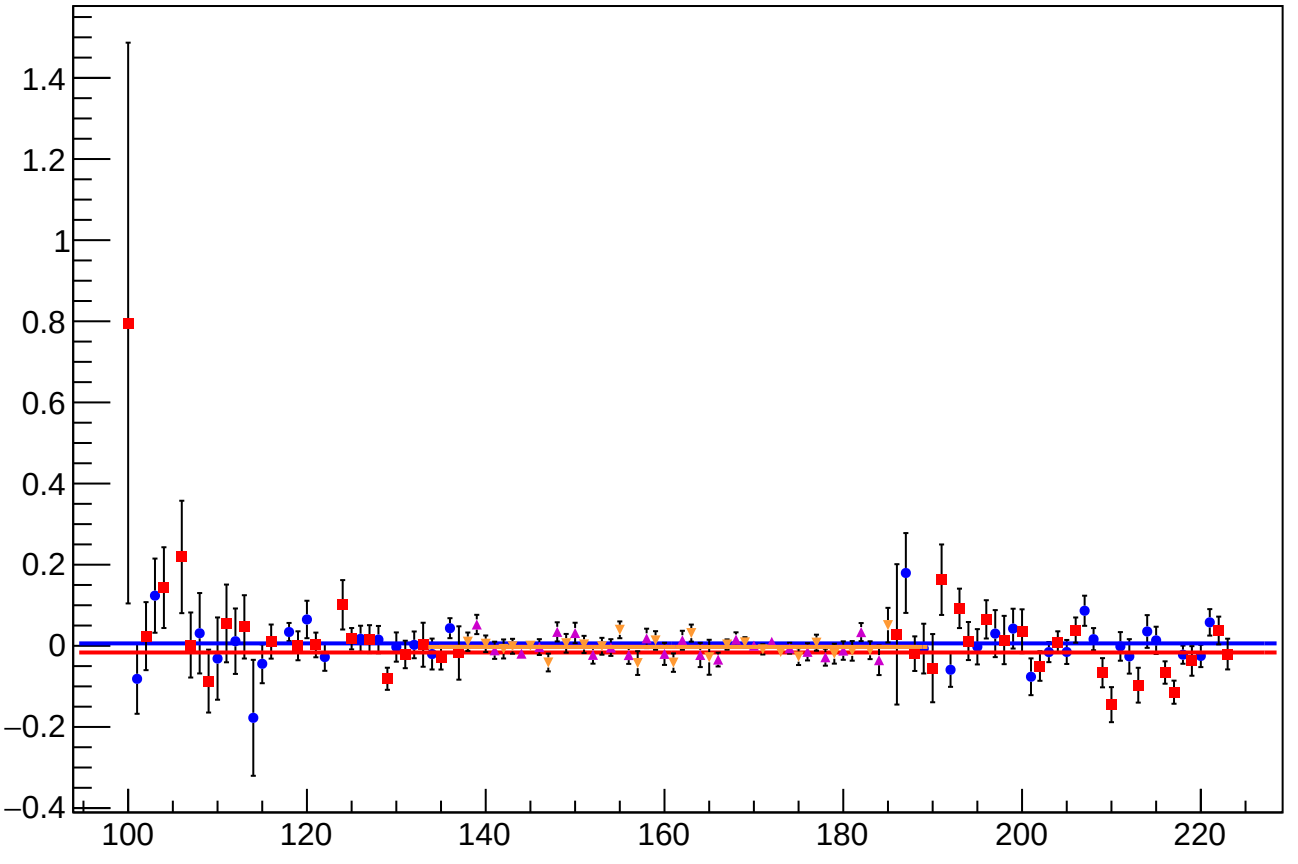
Right Out: 0.000+/-0.000 χ^2/NDF: 8928388.4/38

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15597173.5/58

All: 0.000+/-0.000 χ^2/NDF: 31582913.7/120

- sign 0.000+/-0.000 χ^2/NDF: 15983326.9/61



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.016+/-0.007 χ^2/NDF: 73.7/38

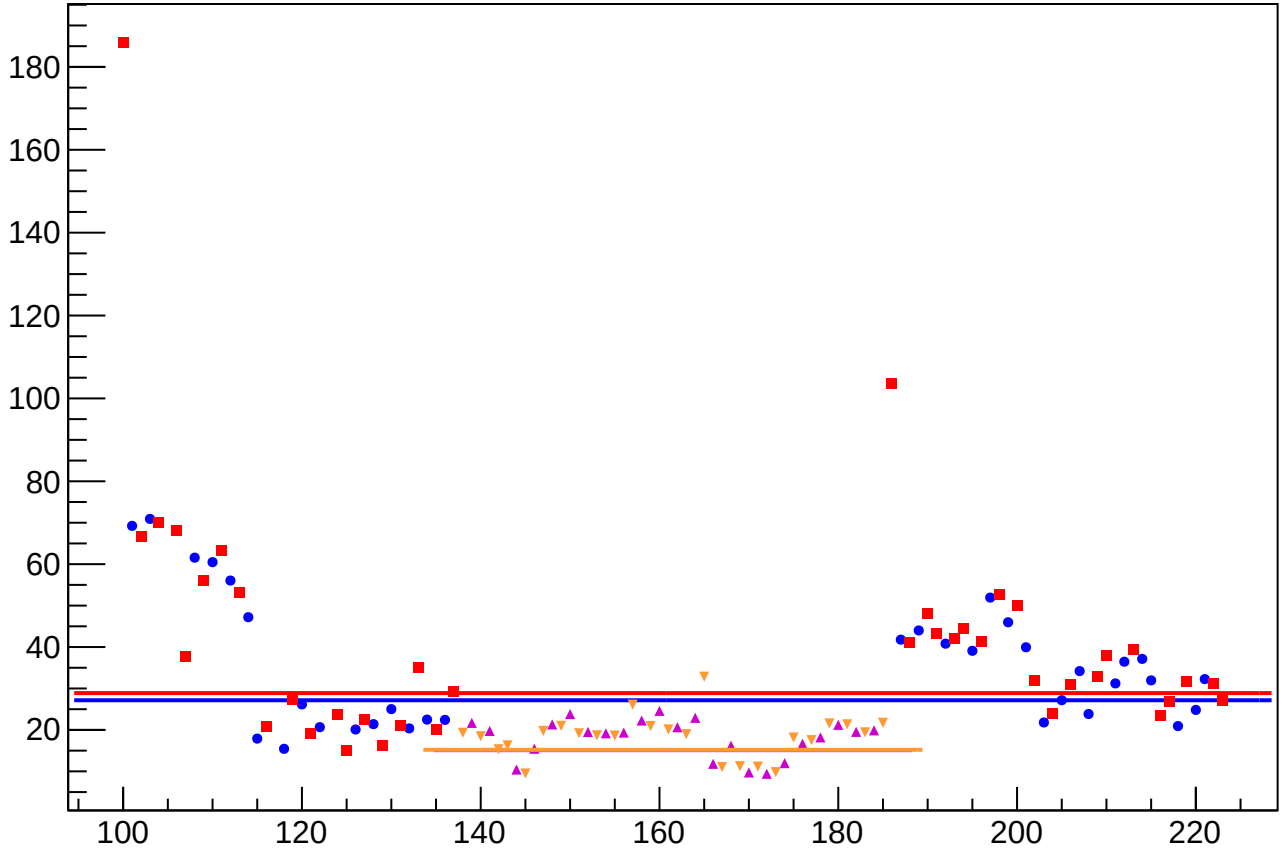
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 59.2/58

All: -0.003+/-0.002 χ^2/NDF: 164.5/120

- sign -0.006+/-0.003 χ^2/NDF: 104.0/61

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.156+/-0.004 χ^2/NDF: 4812487.8/33

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

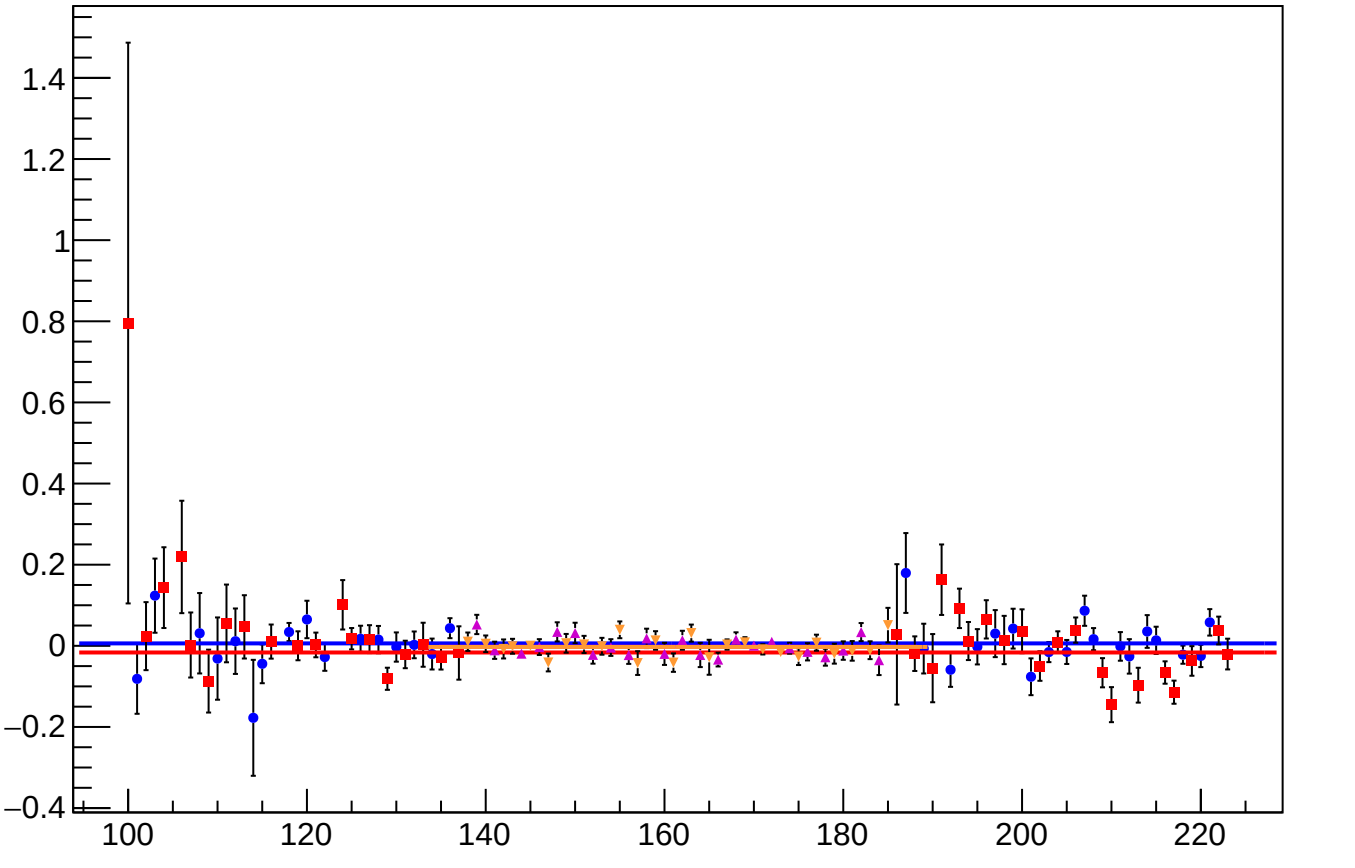
Right Out: 28.888+/-0.005 χ^2/NDF: 5669284.0/38

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 18.250+/-0.002 χ^2/NDF: 13564007.8/58

All: 18.388+/-0.002 χ^2/NDF: 29079569.8/120

- sign 18.536+/-0.002 χ^2/NDF: 15507872.9/61



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

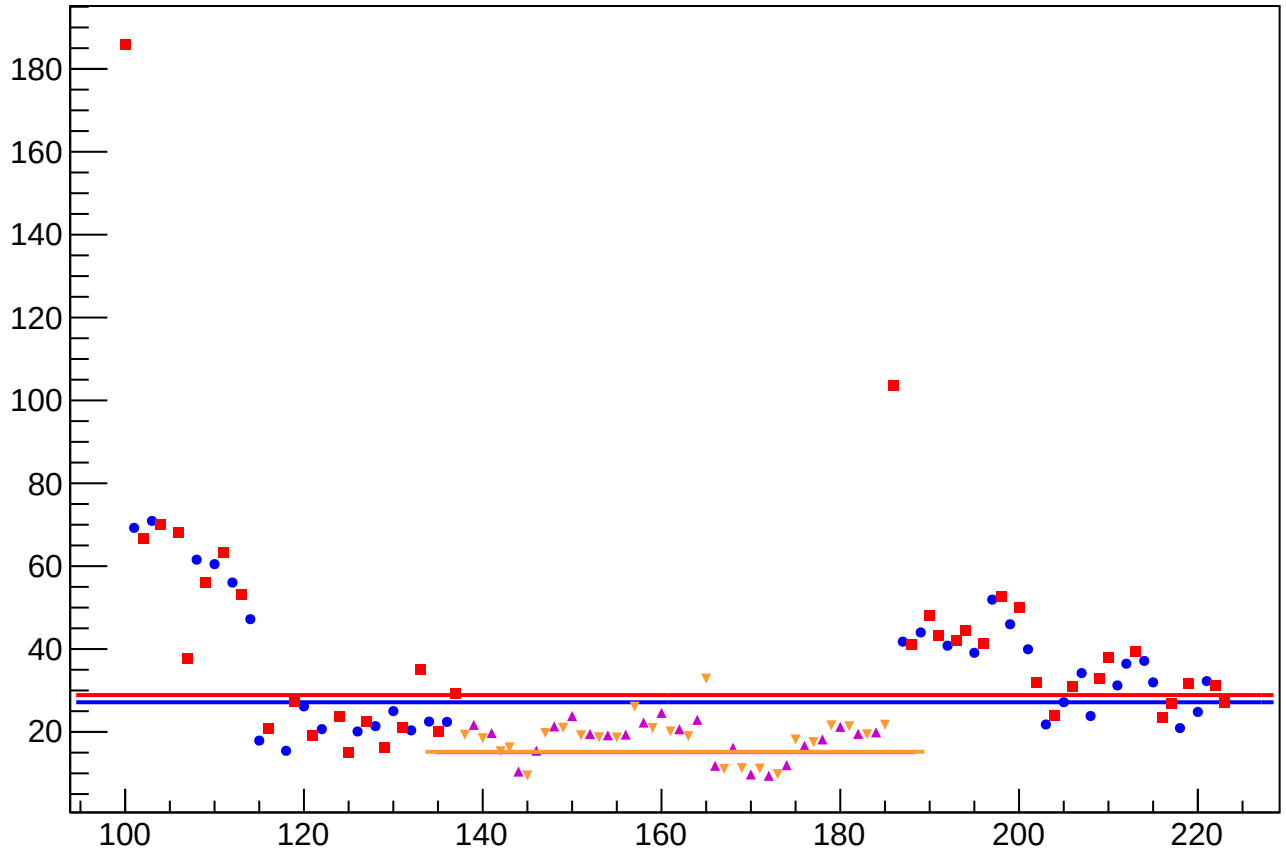
Right Out: -0.016+/-0.007 χ^2/NDF: 73.7/38

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 59.2/58

All: -0.003+/-0.002 χ^2/NDF: 164.5/120

- sign -0.006+/-0.003 χ^2/NDF: 104.0/61



Right In: 27.156+/-0.004 χ^2/NDF: 4812487.8/33

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

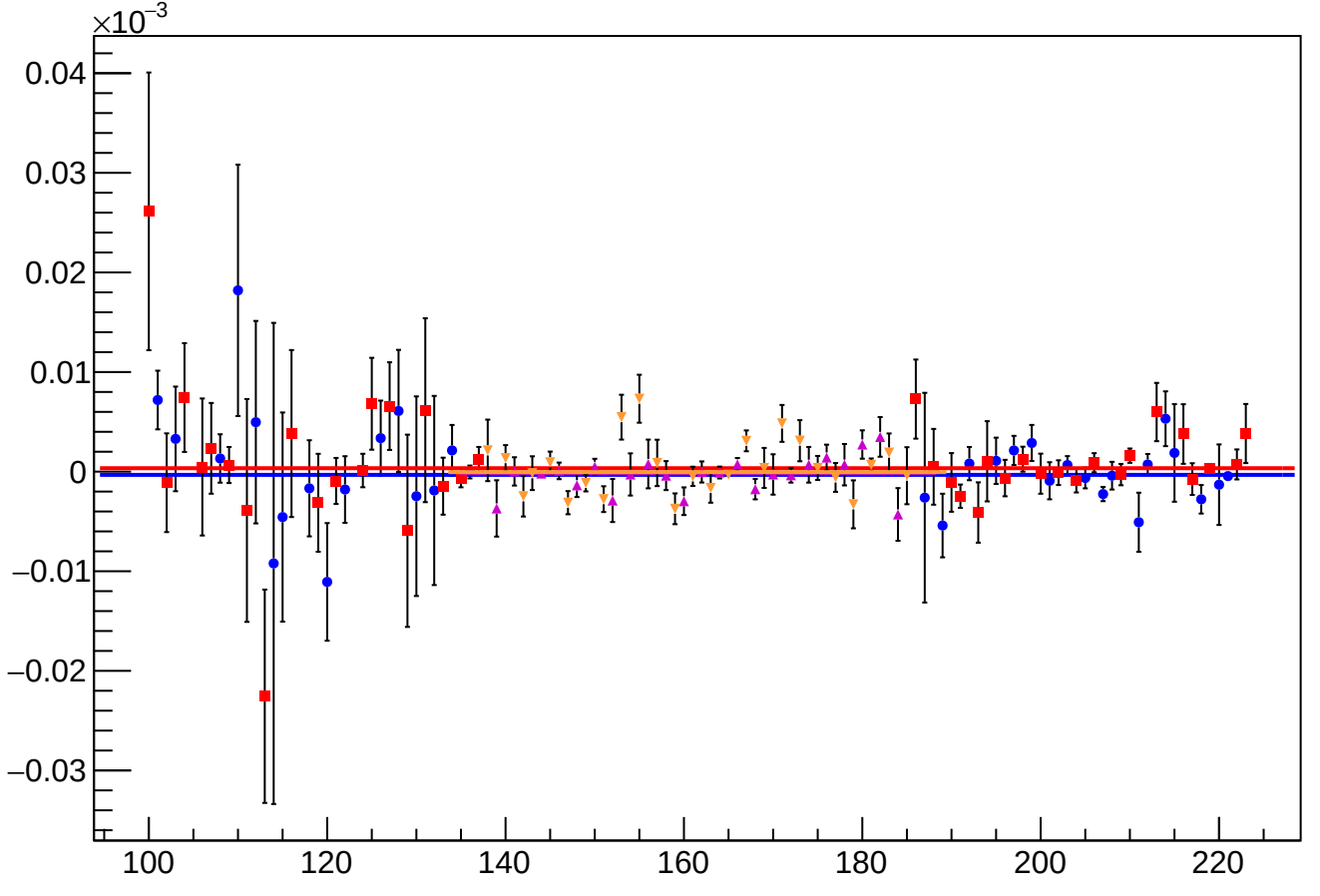
Right Out: 28.888+/-0.005 χ^2/NDF: 5669284.0/38

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 18.250+/-0.002 χ^2/NDF: 13564007.8/58

All: 18.388+/-0.002 χ^2/NDF: 29079569.8/120

- sign 18.536+/-0.002 χ^2/NDF: 15507872.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

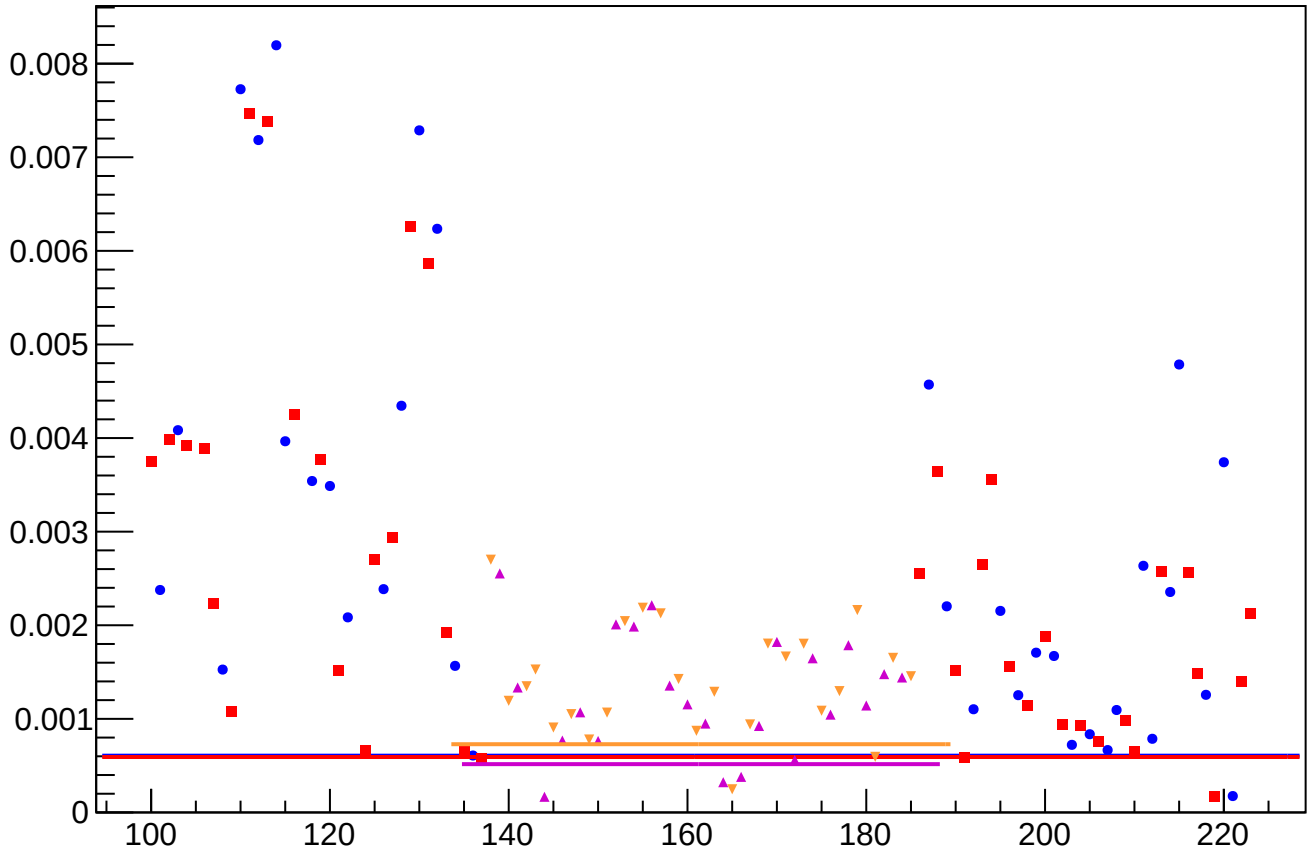
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/38

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 109.9/58

All: -0.000+/-0.000 χ^2/NDF: 182.3/120

- sign 0.000+/-0.000 χ^2/NDF: 70.5/61



Right In: 0.001+/-0.000 χ^2/NDF: 21735988.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

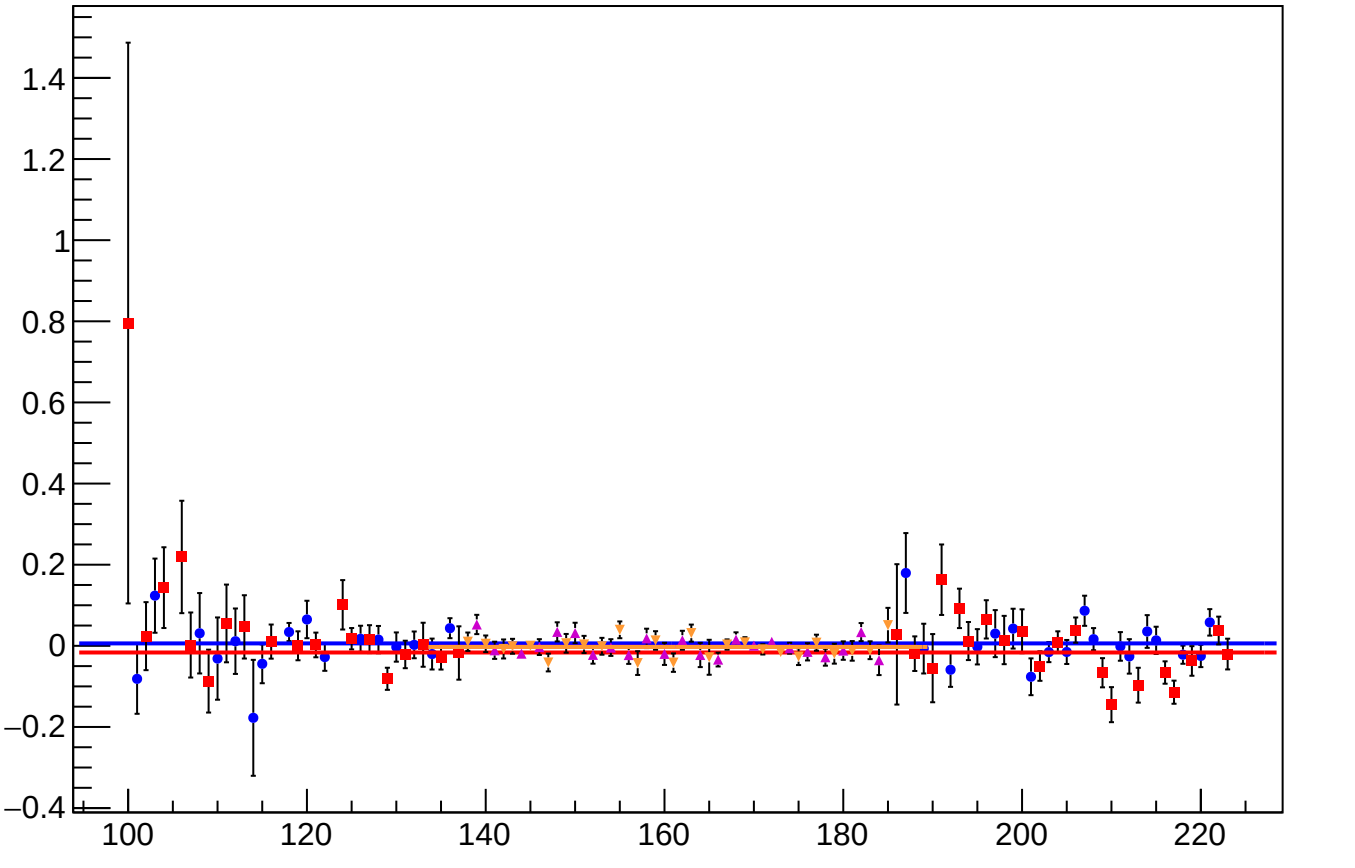
Right Out: 0.001+/-0.000 χ^2/NDF: 23383912.2/38

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

\+ sign 0.001+/-0.000 χ^2/NDF: 35203950.5/58

All: 0.001+/-0.000 χ^2/NDF: 74501229.0/120

\- sign 0.001+/-0.000 χ^2/NDF: 38578715.9/61



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

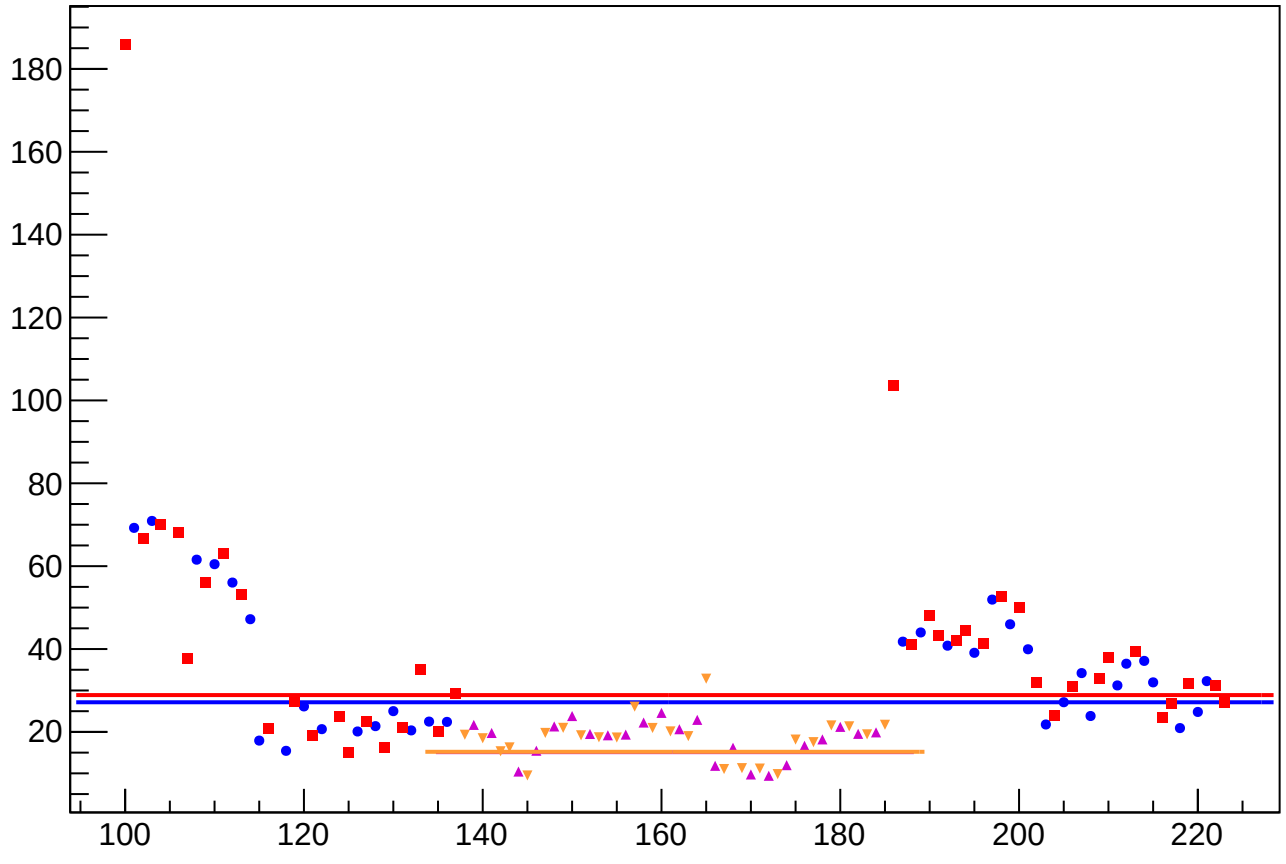
Right Out: -0.016+/-0.007 χ^2/NDF: 73.7/38

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 59.2/58

All: -0.003+/-0.002 χ^2/NDF: 164.5/120

- sign -0.006+/-0.003 χ^2/NDF: 104.0/61



Right In: 27.155+/-0.004 χ^2/NDF: 4812921.2/33

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

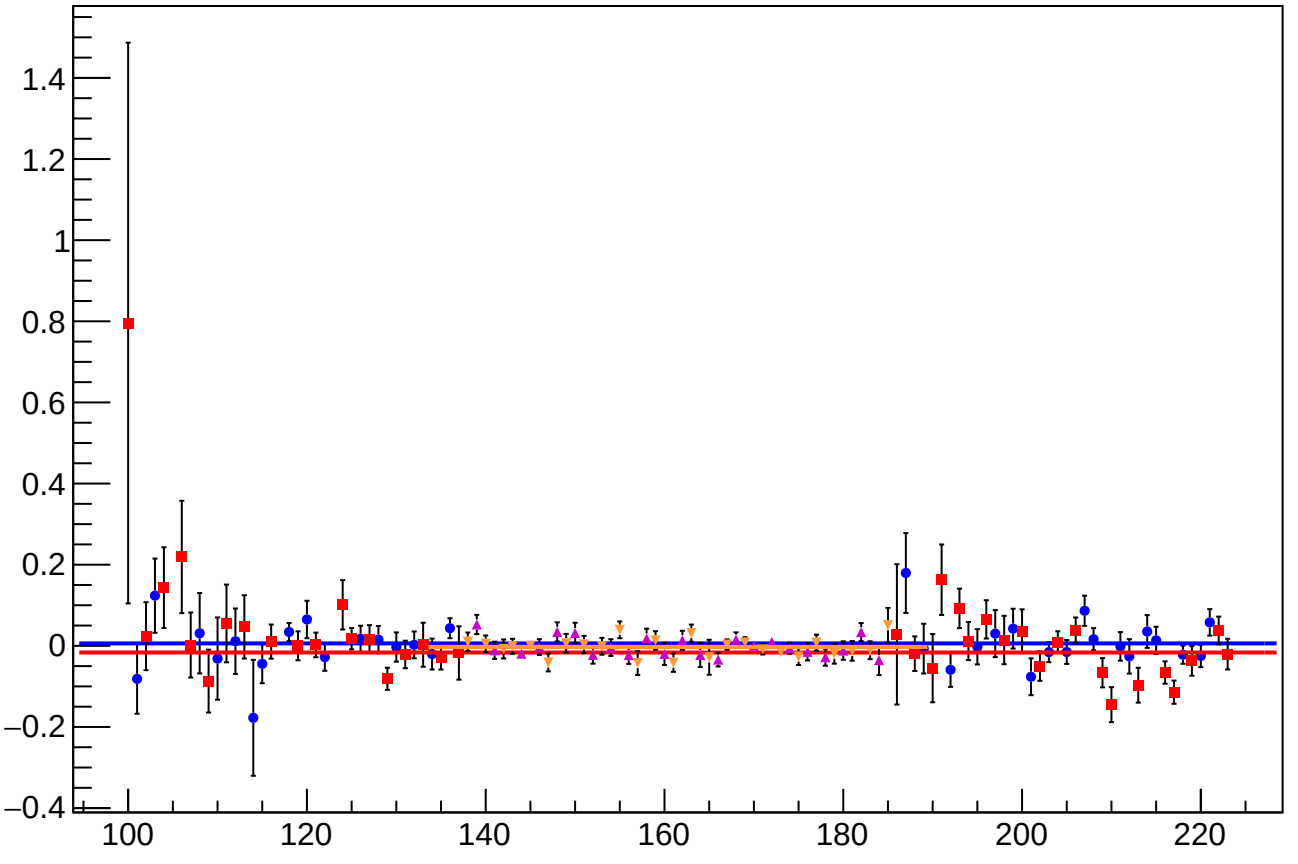
Right Out: 28.888+/-0.005 χ^2/NDF: 5669408.8/38

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 18.250+/-0.002 χ^2/NDF: 13563948.6/58

All: 18.388+/-0.002 χ^2/NDF: 29079506.4/120

- sign 18.536+/-0.002 χ^2/NDF: 15507861.2/61



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

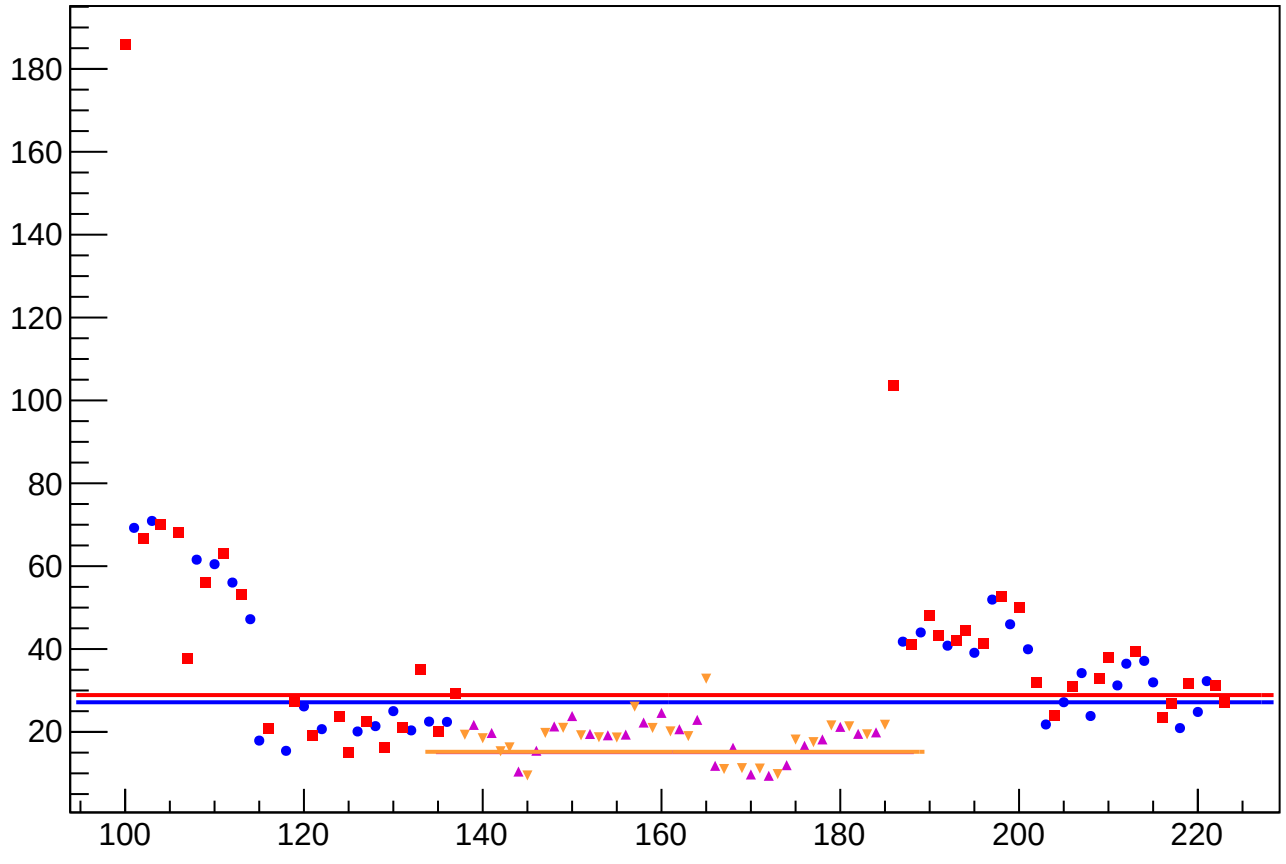
Right Out: -0.016+/-0.007 χ^2/NDF: 73.7/38

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 59.2/58

All: -0.003+/-0.002 χ^2/NDF: 164.5/120

- sign -0.006+/-0.003 χ^2/NDF: 104.0/61



Right In: 27.155+/-0.004 χ^2/NDF: 4812921.2/33

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

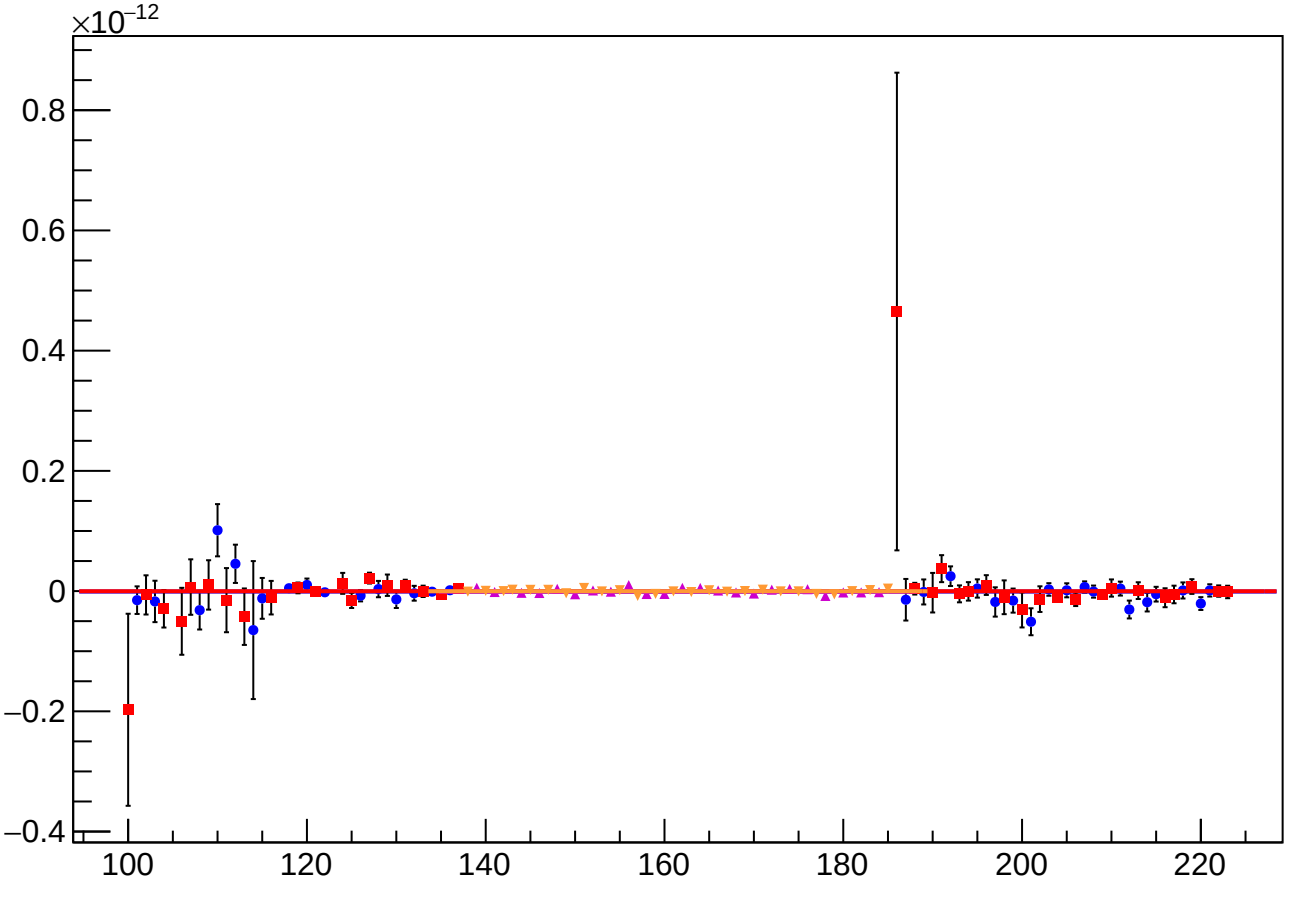
Right Out: 28.888+/-0.005 χ^2/NDF: 5669408.8/38

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 18.250+/-0.002 χ^2/NDF: 13563948.6/58

All: 18.388+/-0.002 χ^2/NDF: 29079506.4/120

- sign 18.536+/-0.002 χ^2/NDF: 15507861.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

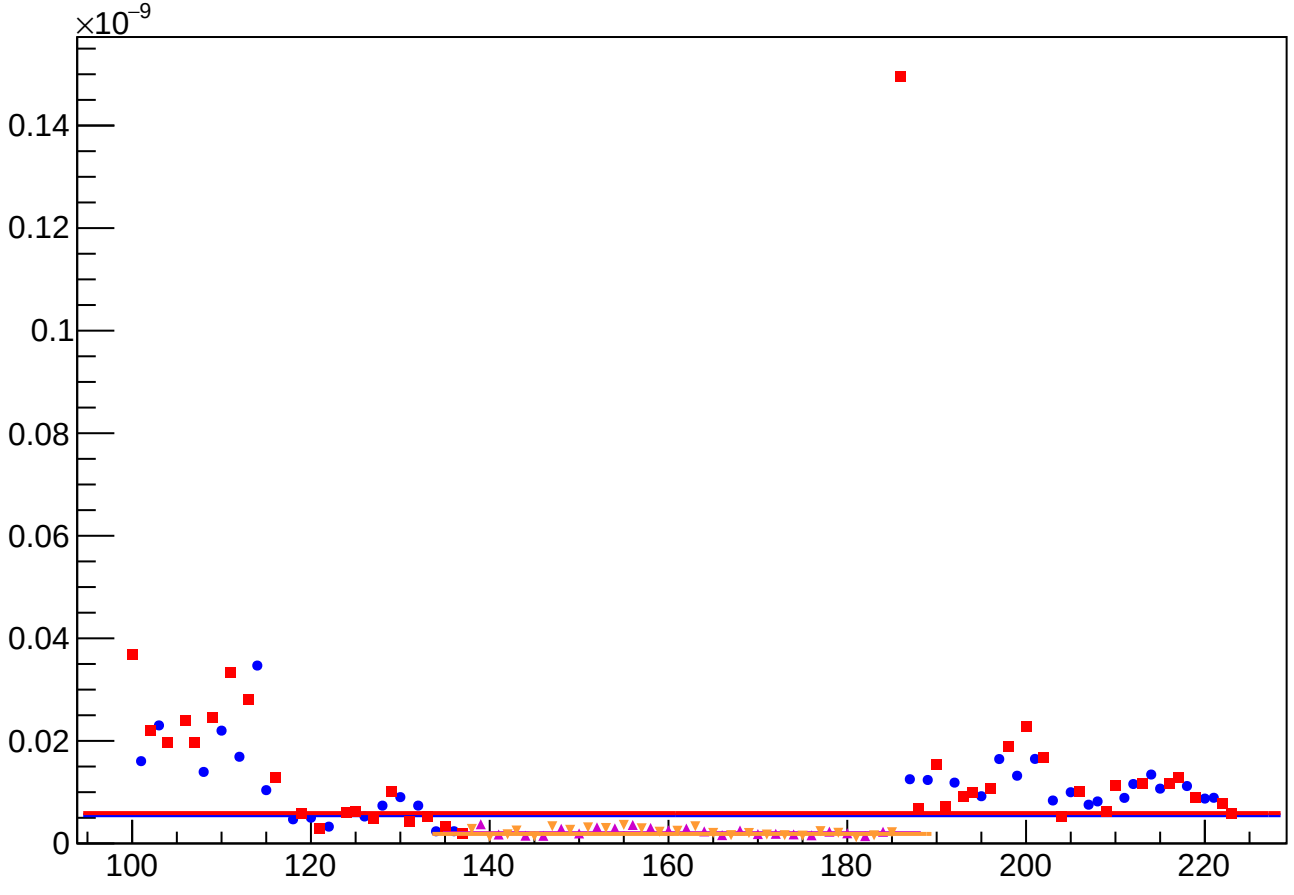
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/38

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/58

All: -0.000+/-0.000 χ^2/NDF: 121.1/120

- sign -0.000+/-0.000 χ^2/NDF: 67.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 9990840.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9888195.9/38

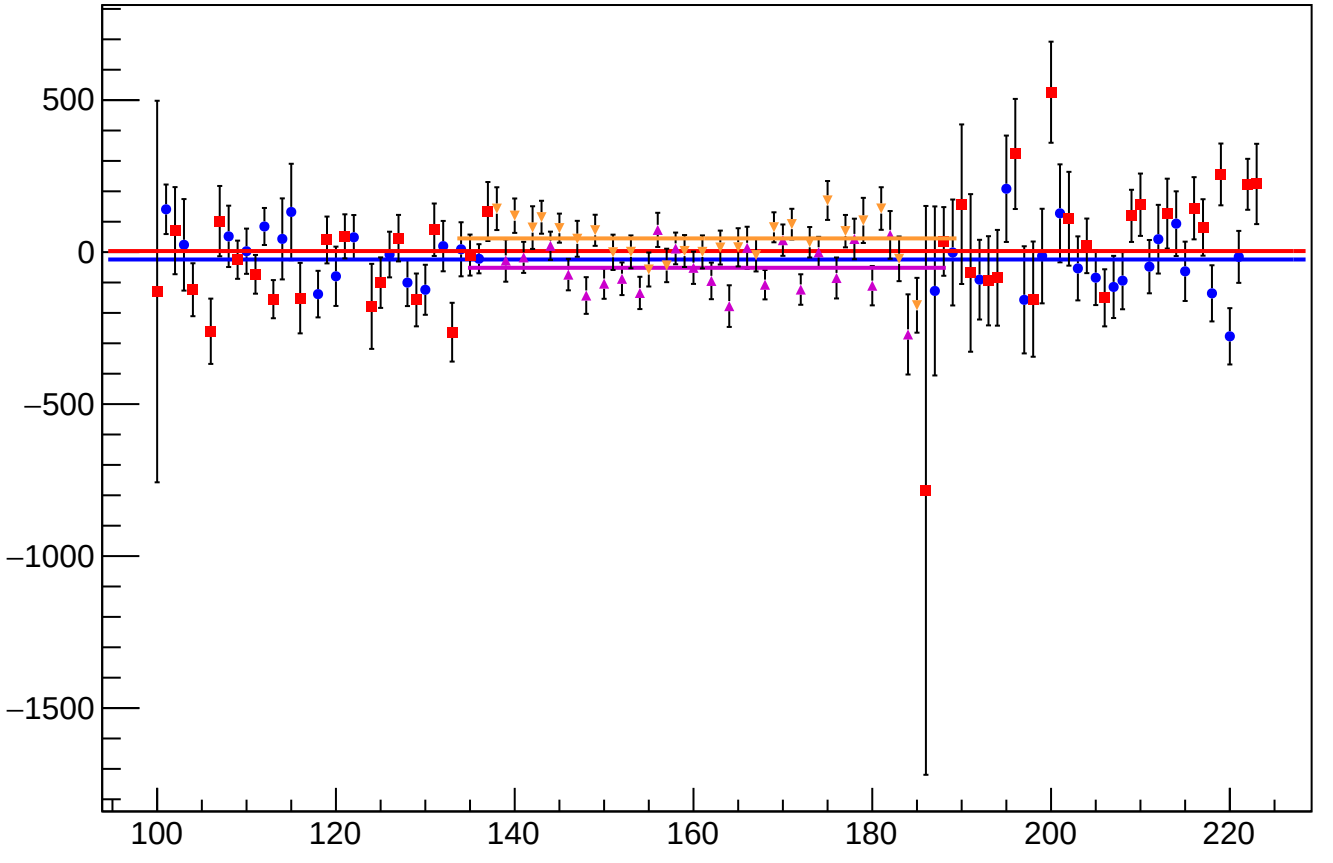
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 20844969.7/58

All: 0.000+/-0.000 χ^2/NDF: 41109308.4/120

- sign 0.000+/-0.000 χ^2/NDF: 20149559.0/61

reg_asym_sam_1357_avg_mean vs Slug



Right In: -24.279+/-15.922 χ^2/NDF: 32.0/33

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 3.465+/-15.848 χ^2/NDF: 79.1/38

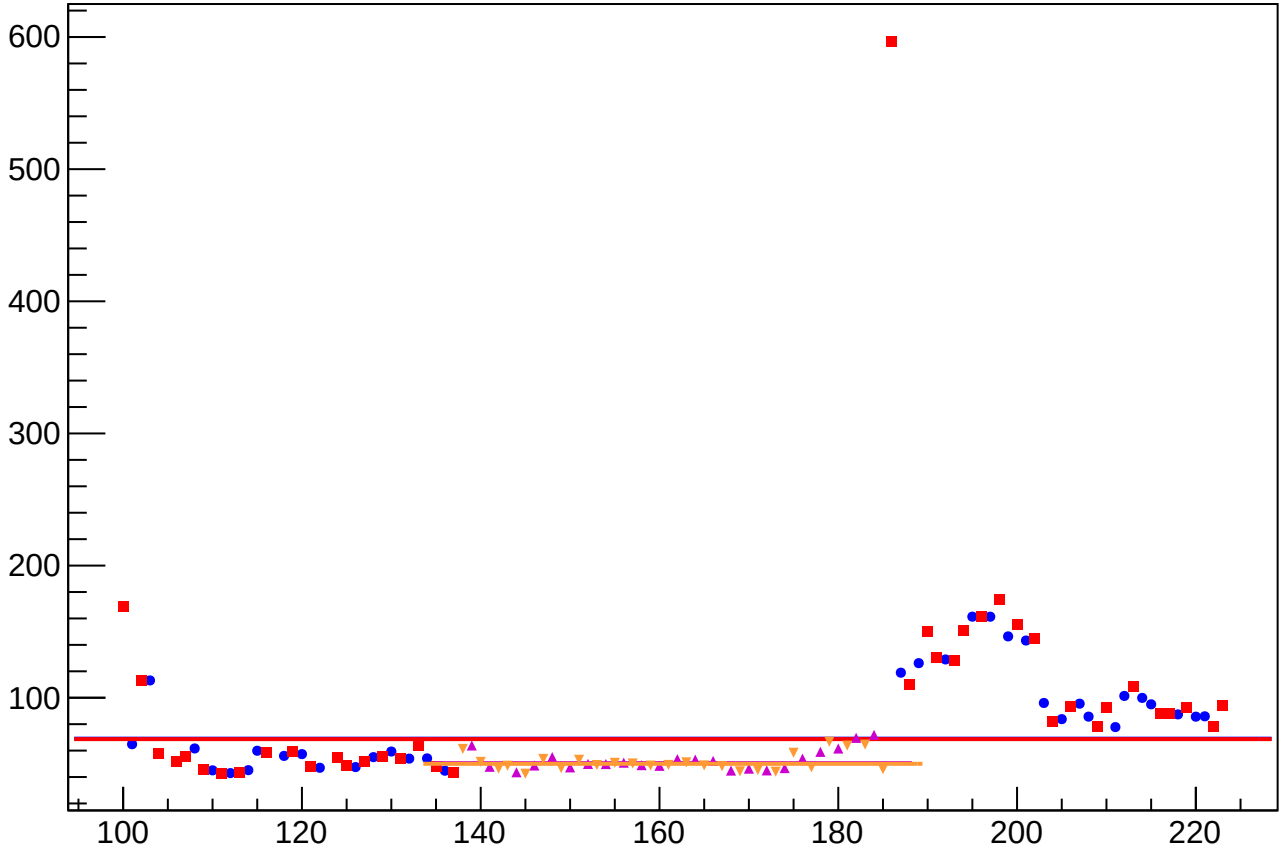
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 21.325+/-9.320 χ^2/NDF: 75.8/58

All: -4.592+/-6.663 χ^2/NDF: 214.3/120

- sign -31.695+/-9.531 χ^2/NDF: 122.7/61

reg_asym_sam_1357_avg_rms vs Slug



Right In: 69.026+/-0.011 χ^2/NDF: 5812246.7/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 68.684+/-0.011 χ^2/NDF: 7355421.9/38

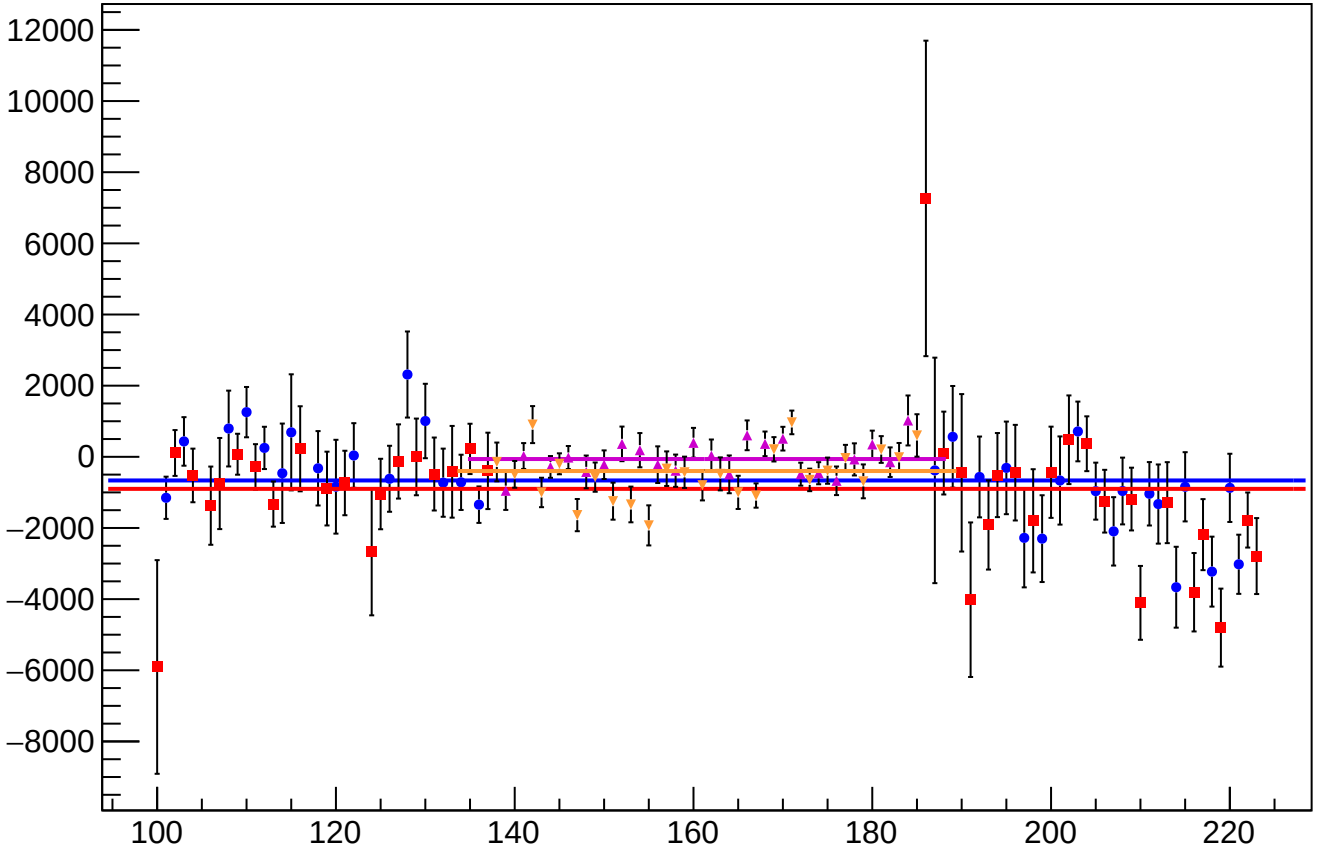
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.532+/-0.007 χ^2/NDF: 8194541.2/58

All: 56.802+/-0.005 χ^2/NDF: 17735378.8/120

- sign 57.084+/-0.007 χ^2/NDF: 9537411.0/61

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -664.158+/-157.985 χ^2/NDF: 58.2/33

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -900.740+/-158.013 χ^2/NDF: 63.3/38

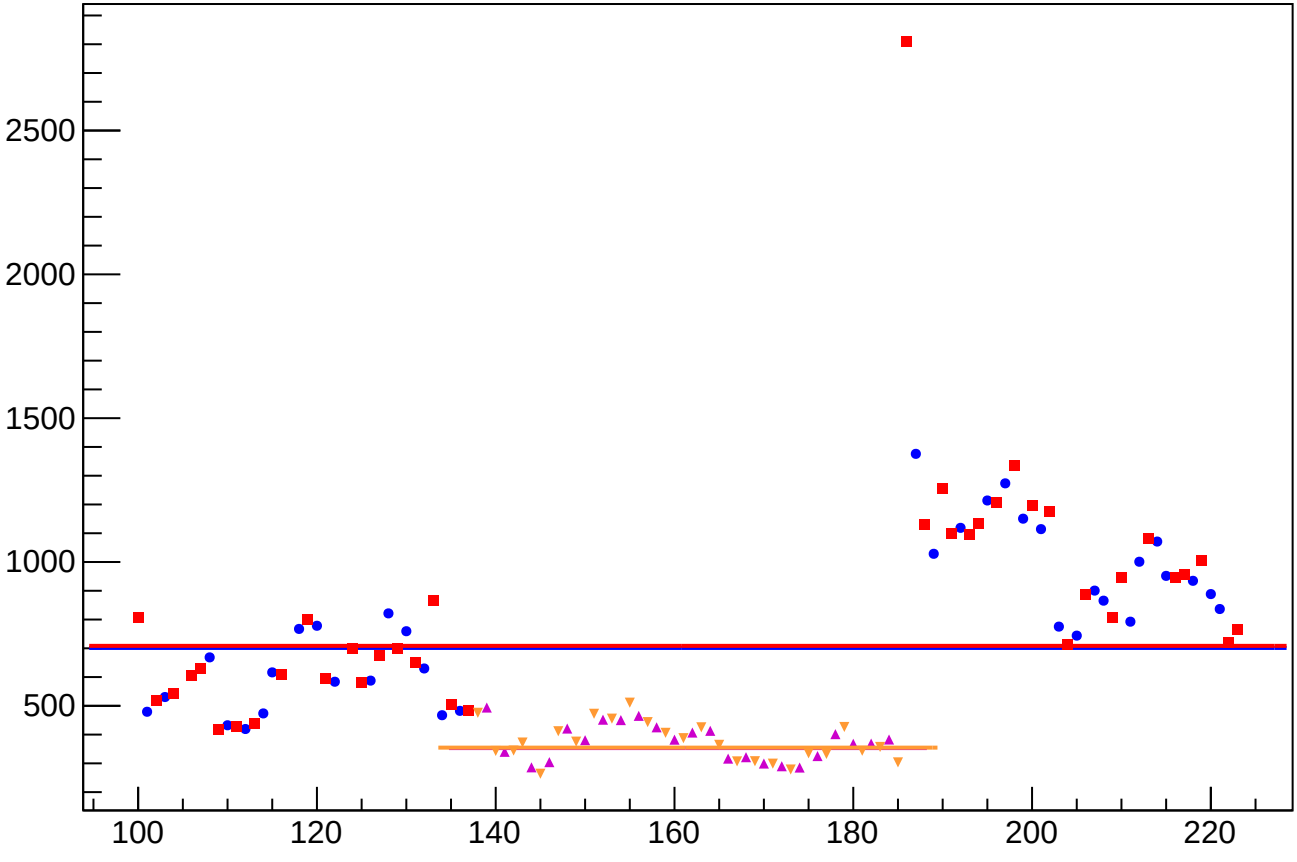
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -455.628+/-72.825 χ^2/NDF: 125.8/58

All: -352.856+/-51.939 χ^2/NDF: 239.1/120

- sign -246.463+/-74.097 χ^2/NDF: 109.2/61

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 701.267+/-0.112 χ^2/NDF: 4394415.2/33

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 708.494+/-0.112 χ^2/NDF: 5319609.7/38

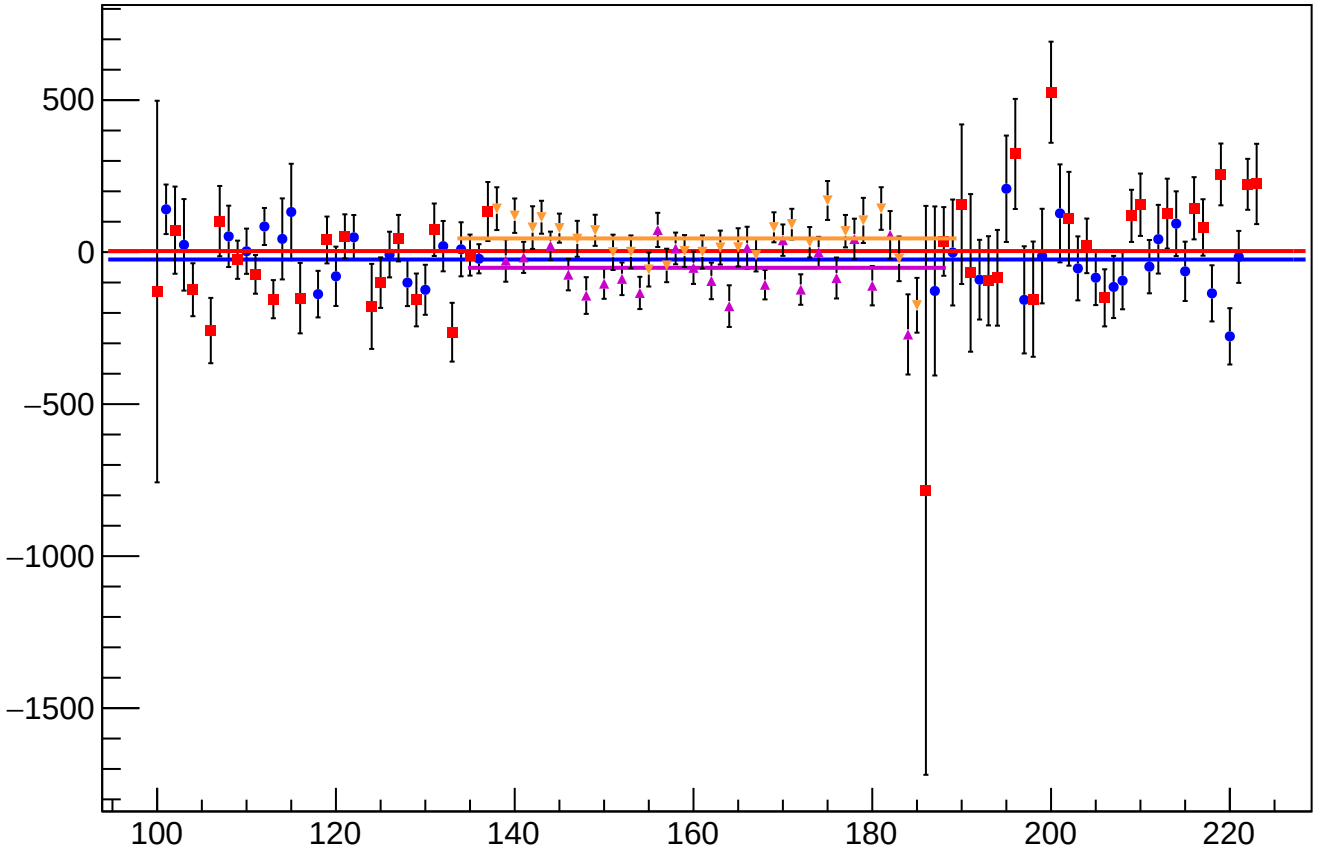
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 428.317+/-0.051 χ^2/NDF: 13120551.8/58

All: 429.761+/-0.037 χ^2/NDF: 27338011.9/12

- sign 431.256+/-0.052 χ^2/NDF: 14215858.8/61

cor_asym_sam_1357_avg_mean vs Slug



Right In: -24.283+/-15.922 χ^2/NDF: 32.0/33

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 3.541+/-15.848 χ^2/NDF: 79.0/38

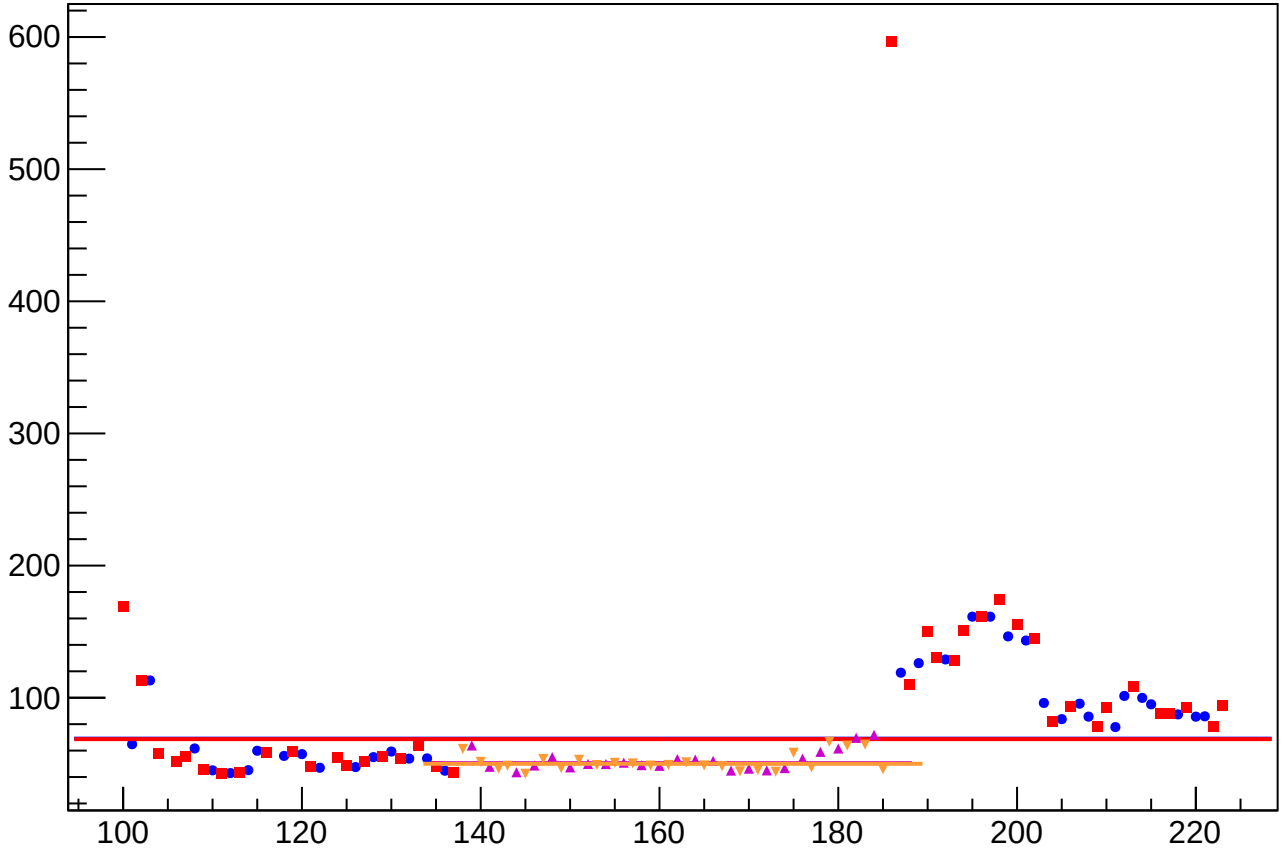
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 21.327+/-9.320 χ^2/NDF: 75.8/58

All: -4.578+/-6.663 χ^2/NDF: 214.2/120

- sign -31.668+/-9.531 χ^2/NDF: 122.6/61

cor_asym_sam_1357_avg_rms vs Slug



Right In: 69.026+/-0.011 χ^2/NDF: 5812249.0/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 68.678+/-0.011 χ^2/NDF: 7357397.2/38

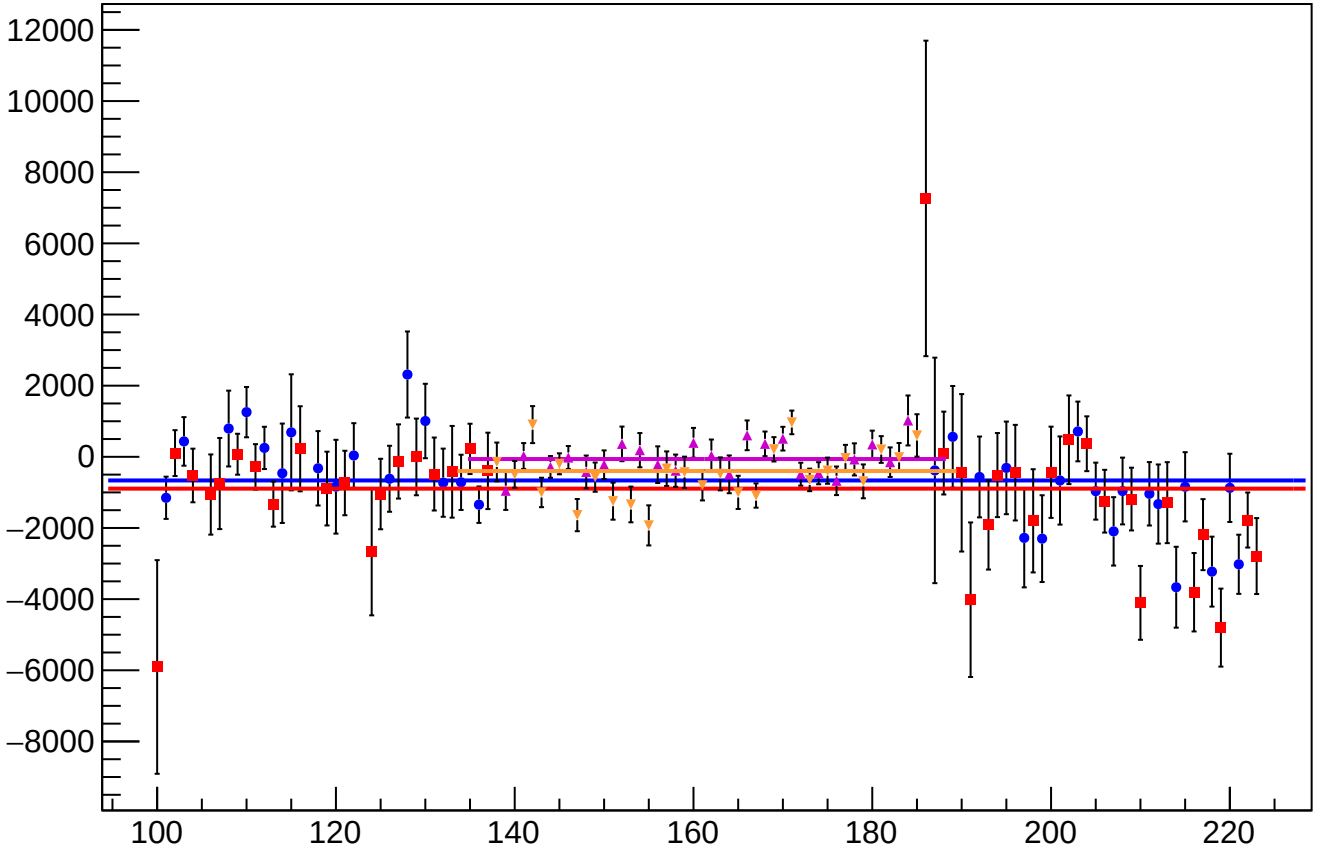
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.532+/-0.007 χ^2/NDF: 8194543.5/58

All: 56.801+/-0.005 χ^2/NDF: 17736156.2/120

- sign 57.082+/-0.007 χ^2/NDF: 9538215.3/61

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -664.151+/-157.986 χ^2/NDF: 58.2/33

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

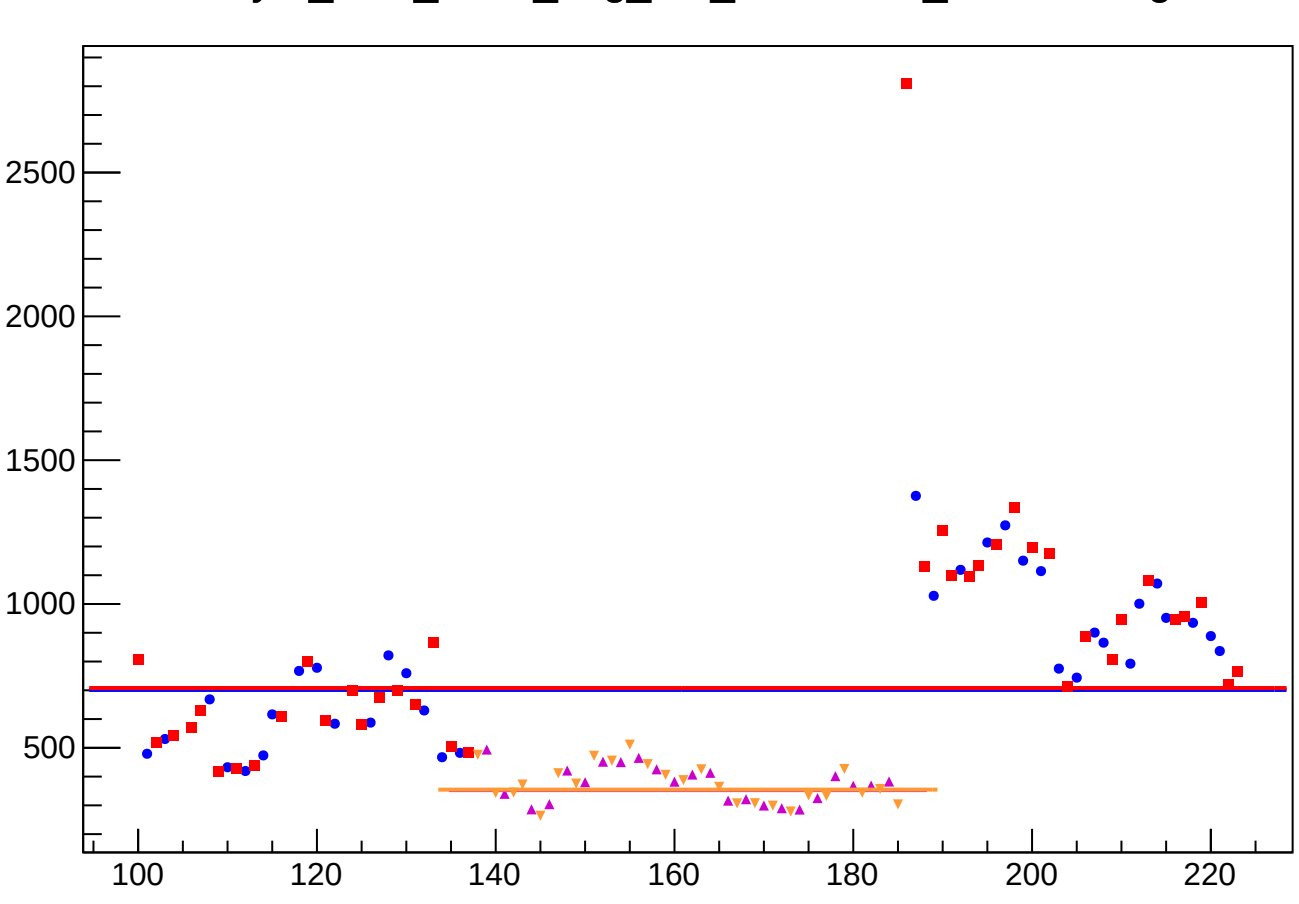
Right Out: -894.432+/-158.103 χ^2/NDF: 63.1/38

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -455.622+/-72.825 χ^2/NDF: 125.8/58

All: -352.105+/-51.942 χ^2/NDF: 238.6/120

- sign -244.913+/-74.106 χ^2/NDF: 108.7/61



Right In: 701.272+/-0.112 χ^2/NDF: 4394306.9/33

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 707.952+/-0.112 χ^2/NDF: 5330914.1/38

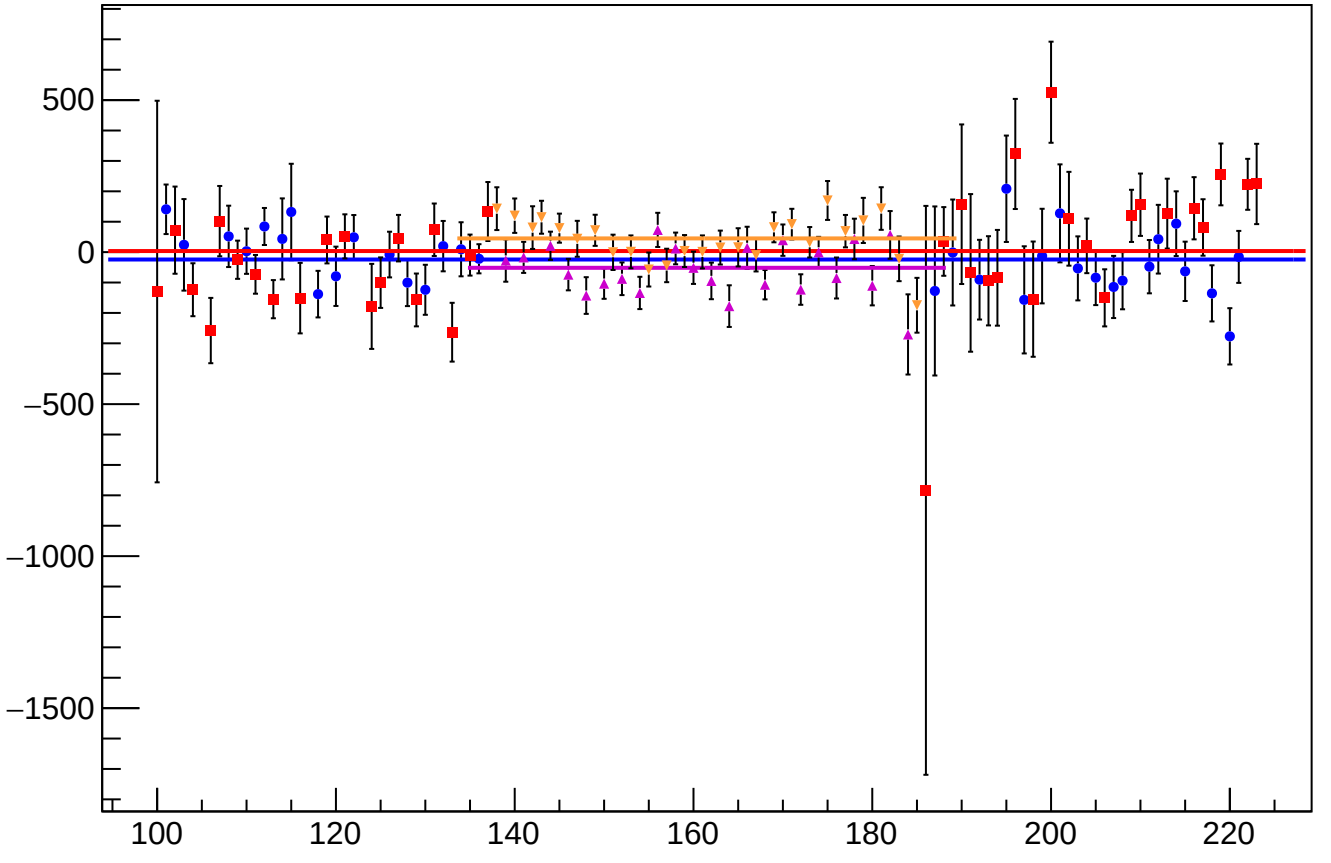
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 428.317+/-0.051 χ^2/NDF: 13120605.7/58

All: 429.669+/-0.037 χ^2/NDF: 27318145.6/12

- sign 431.068+/-0.052 χ^2/NDF: 14196137.6/61

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -24.283+/-15.922 χ^2/NDF: 32.0/33

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 3.541+/-15.848 χ^2/NDF: 79.0/38

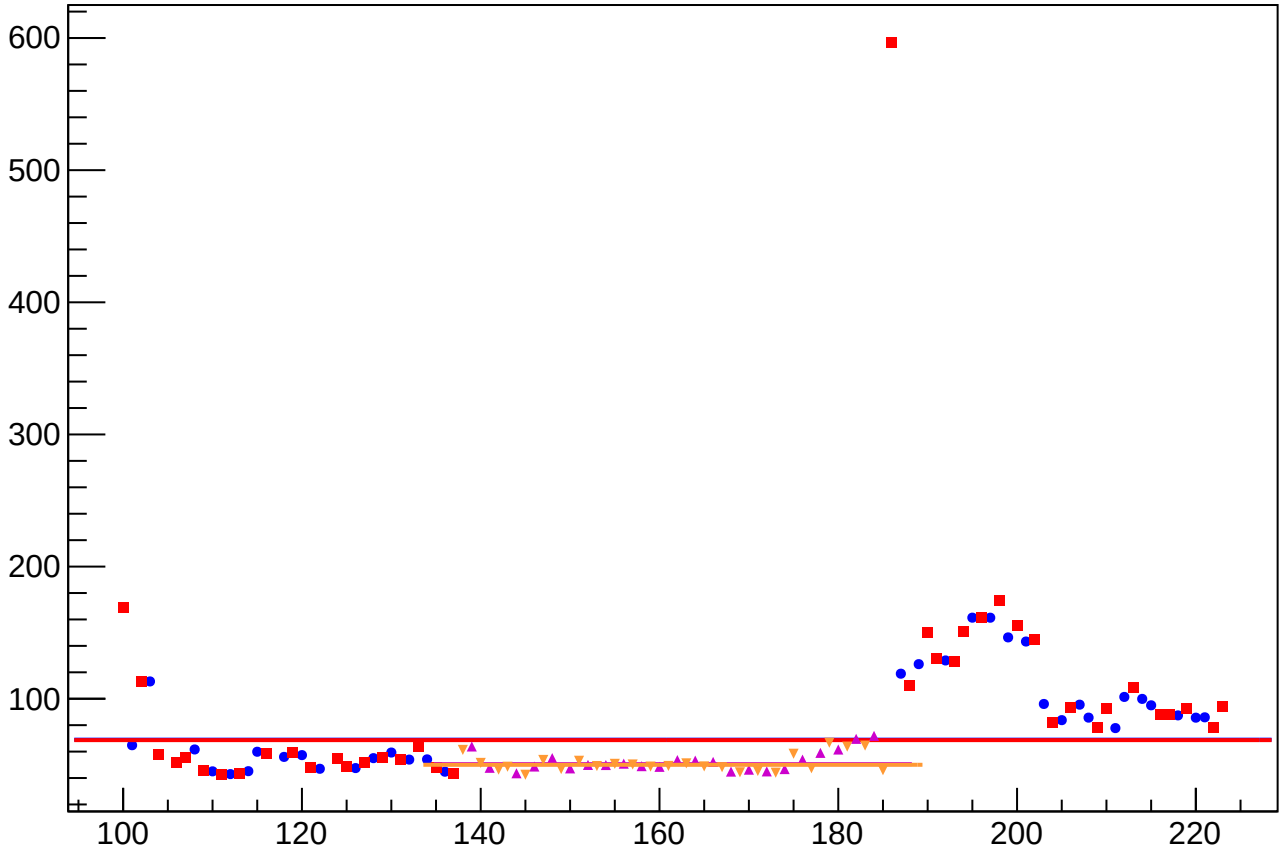
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 21.327+/-9.320 χ^2/NDF: 75.8/58

All: -4.578+/-6.663 χ^2/NDF: 214.2/120

- sign -31.668+/-9.531 χ^2/NDF: 122.6/61

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 69.026+/-0.011 χ^2/NDF: 5812249.0/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

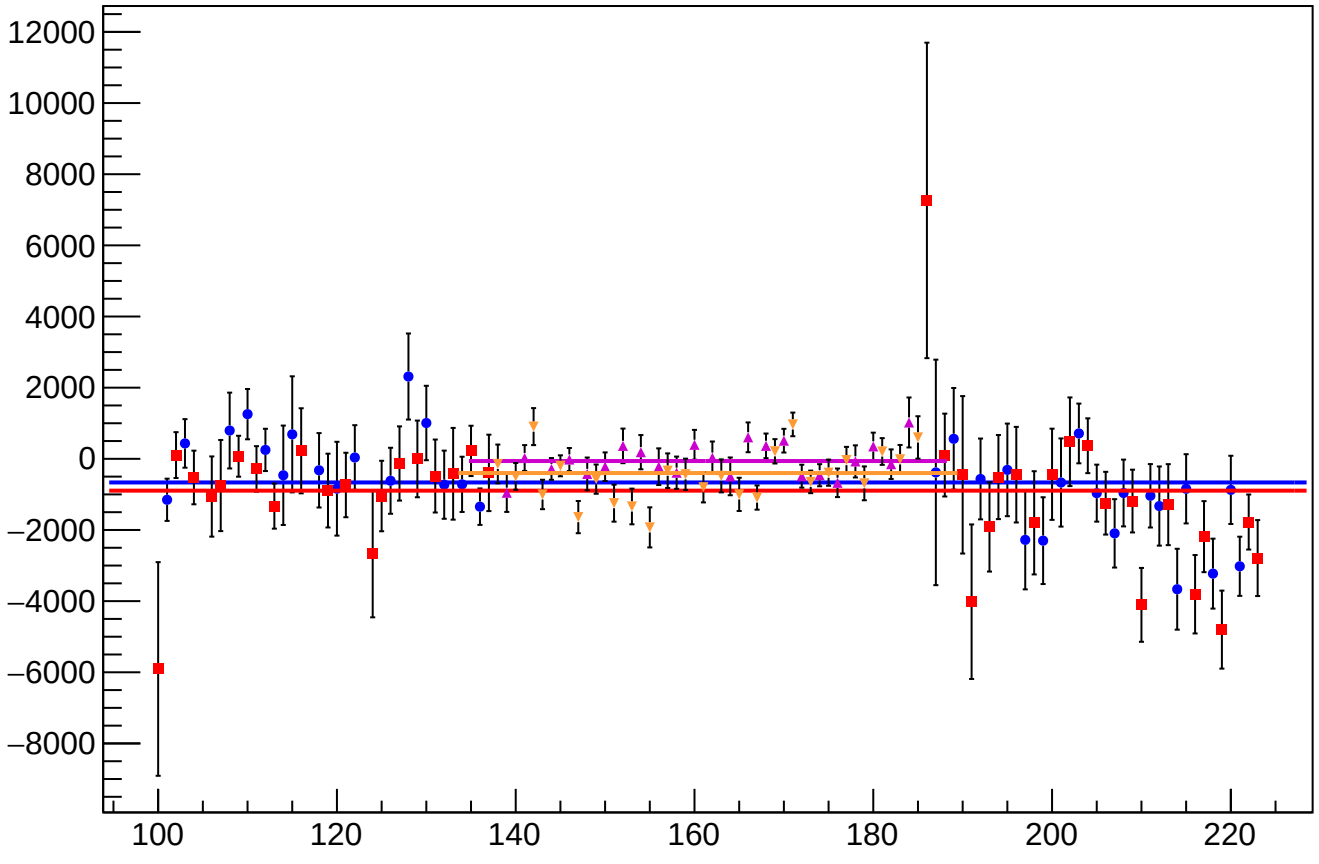
Right Out: 68.678+/-0.011 χ^2/NDF: 7357397.2/38

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.532+/-0.007 χ^2/NDF: 8194543.5/58

All: 56.801+/-0.005 χ^2/NDF: 17736156.2/120

- sign 57.082+/-0.007 χ^2/NDF: 9538215.3/61



Right In: -664.151+/-157.986 χ^2/NDF: 58.2/33

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

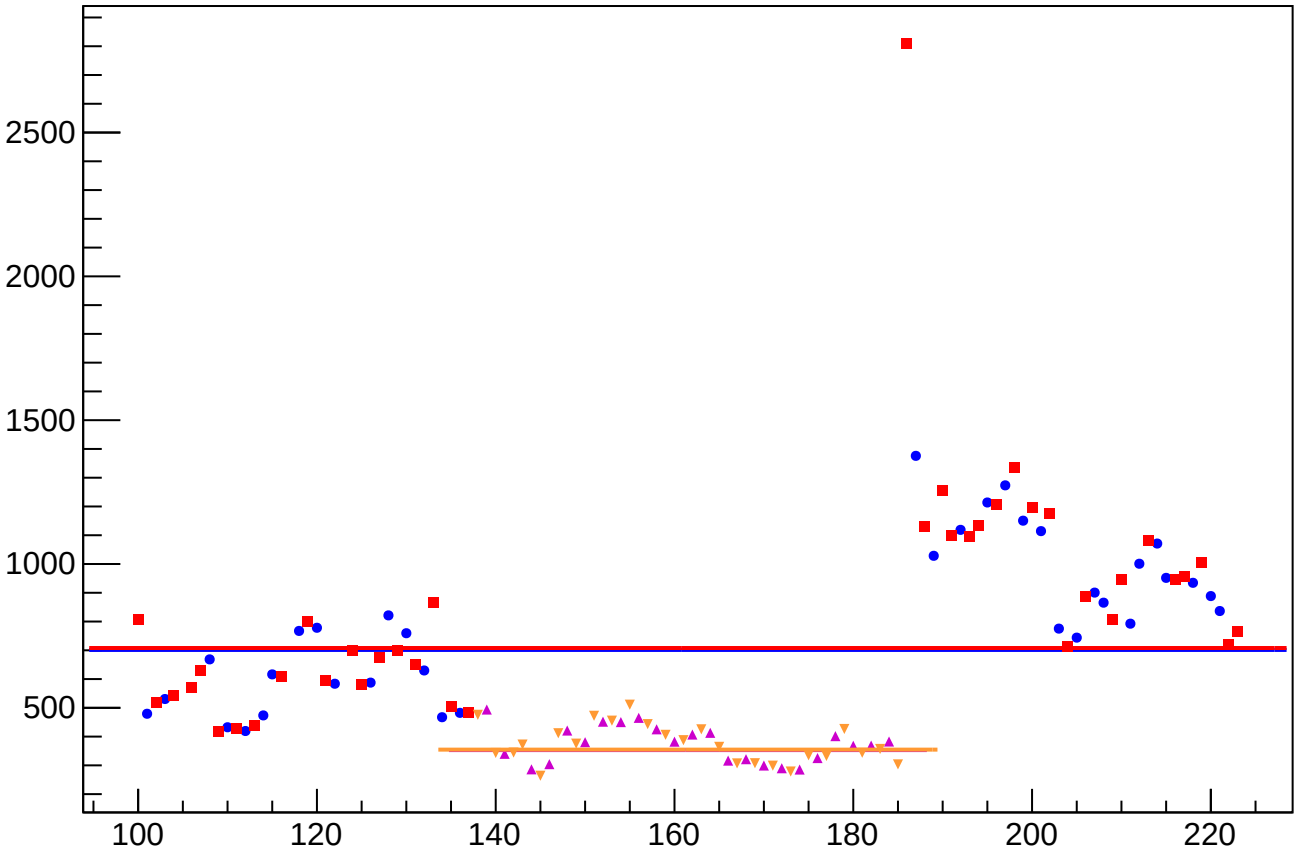
Right Out: -894.432+/-158.103 χ^2/NDF: 63.1/38

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -455.622+/-72.825 χ^2/NDF: 125.8/58

All: -352.105+/-51.942 χ^2/NDF: 238.6/120

- sign -244.913+/-74.106 χ^2/NDF: 108.7/61



Right In: 701.272+/-0.112 χ^2/NDF: 4394306.9/33

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 707.952+/-0.112 χ^2/NDF: 5330914.1/38

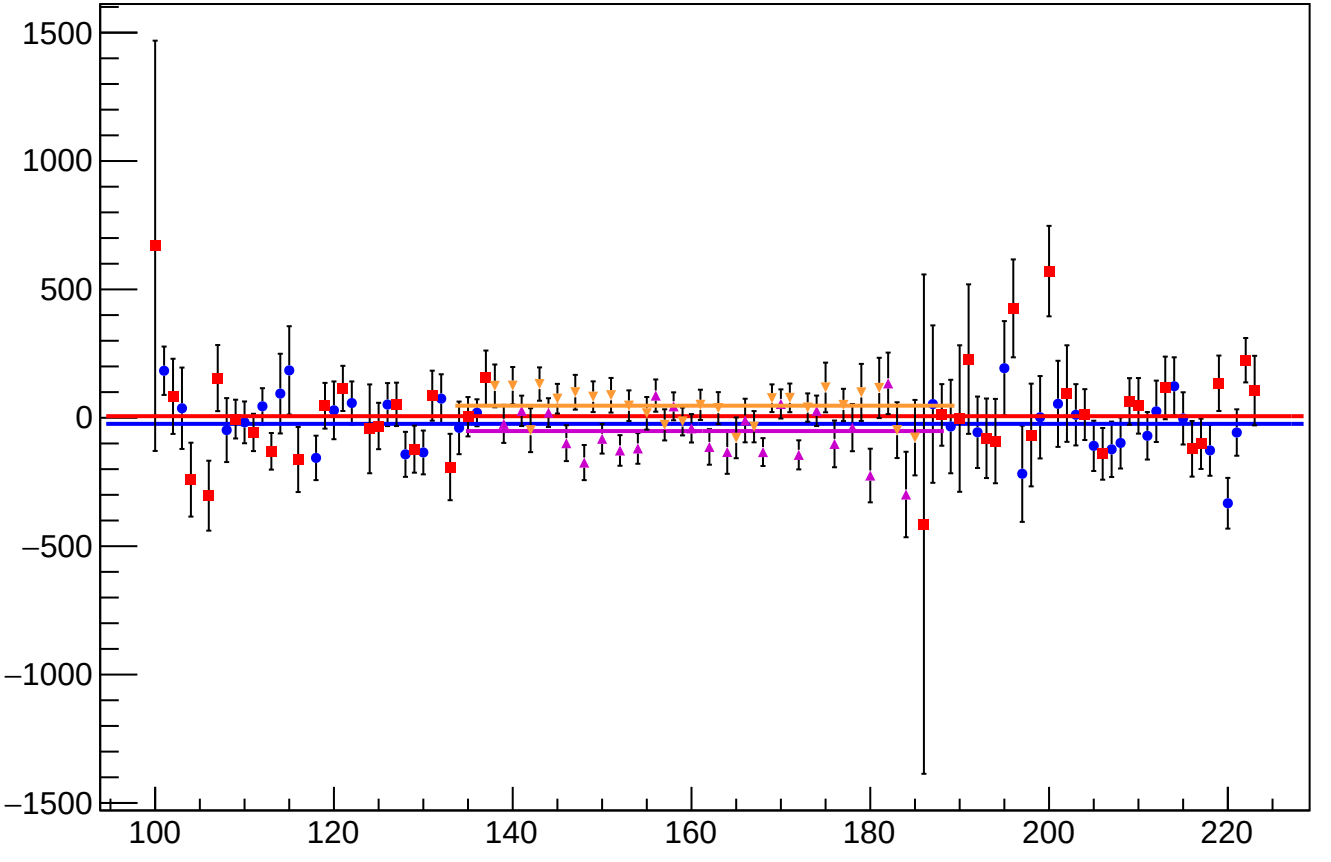
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 428.317+/-0.051 χ^2/NDF: 13120605.7/58

All: 429.669+/-0.037 χ^2/NDF: 27318145.6/12

- sign 431.068+/-0.052 χ^2/NDF: 14196137.6/61

dit_asym_sam_1357_avg_mean vs Slug



Right In: -23.585+/-17.528 χ^2/NDF: 35.9/33

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 6.318+/-17.805 χ^2/NDF: 57.2/38

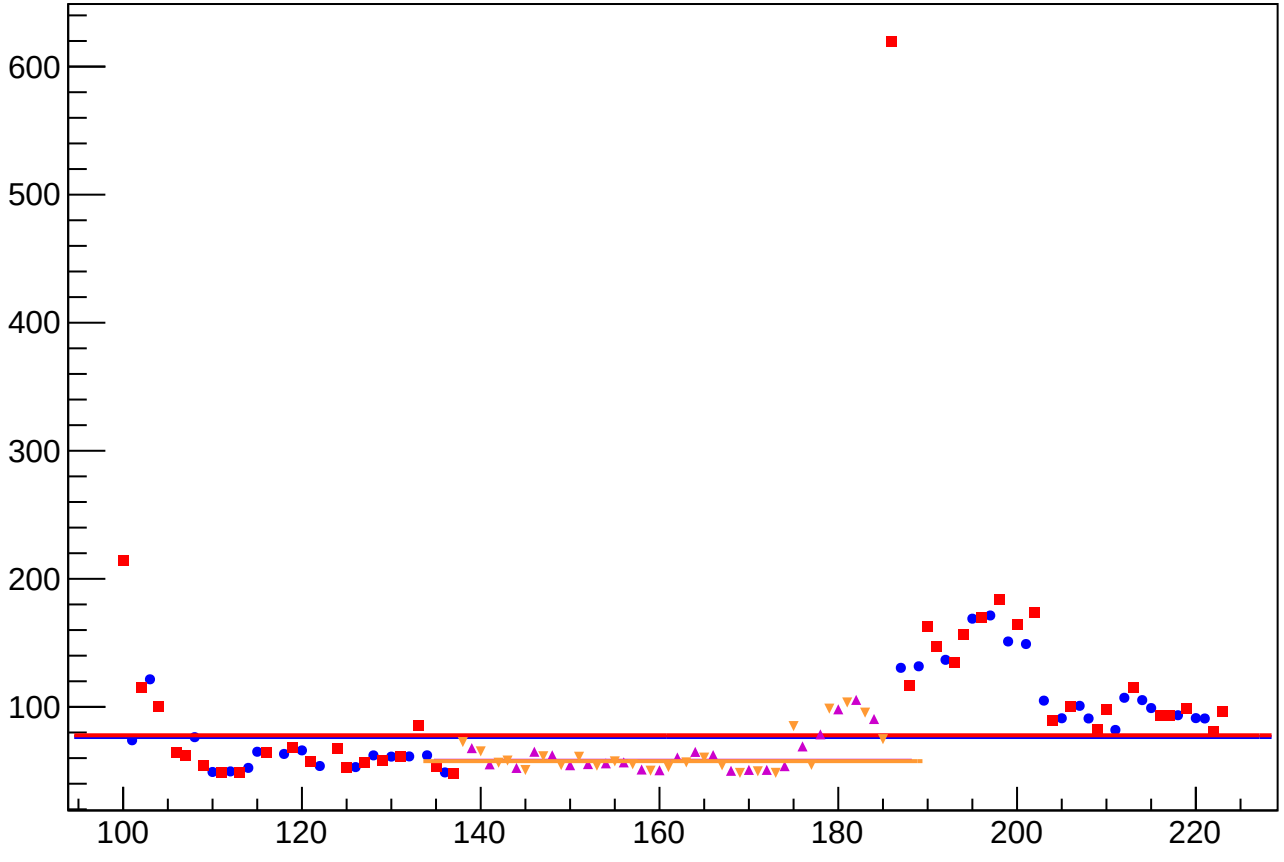
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 20.786+/-10.701 χ^2/NDF: 63.1/58

All: -3.792+/-7.661 χ^2/NDF: 175.9/120

- sign -29.635+/-10.973 χ^2/NDF: 102.0/61

dit_asym_sam_1357_avg_rms vs Slug



Right In: 76.473+/-0.012 χ^2/NDF: 5142098.3/33

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 77.825+/-0.013 χ^2/NDF: 6556884.9/38

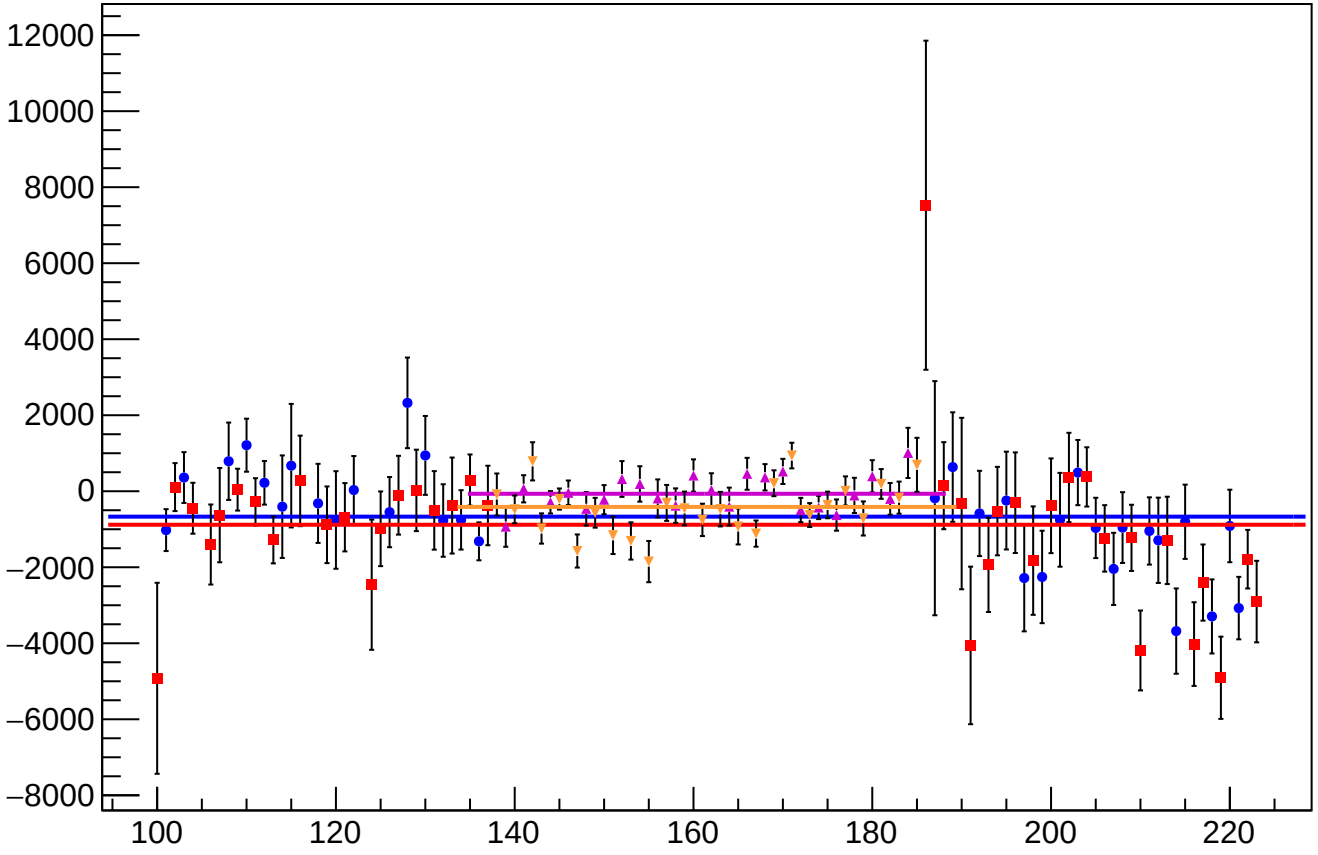
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 64.654+/-0.008 χ^2/NDF: 7957204.7/58

All: 65.062+/-0.005 χ^2/NDF: 17191619.7/120

- sign 65.492+/-0.008 χ^2/NDF: 9228427.3/61

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -668.719+/-155.358 χ^2/NDF: 58.1/33

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -881.684+/-154.319 χ^2/NDF: 68.5/38

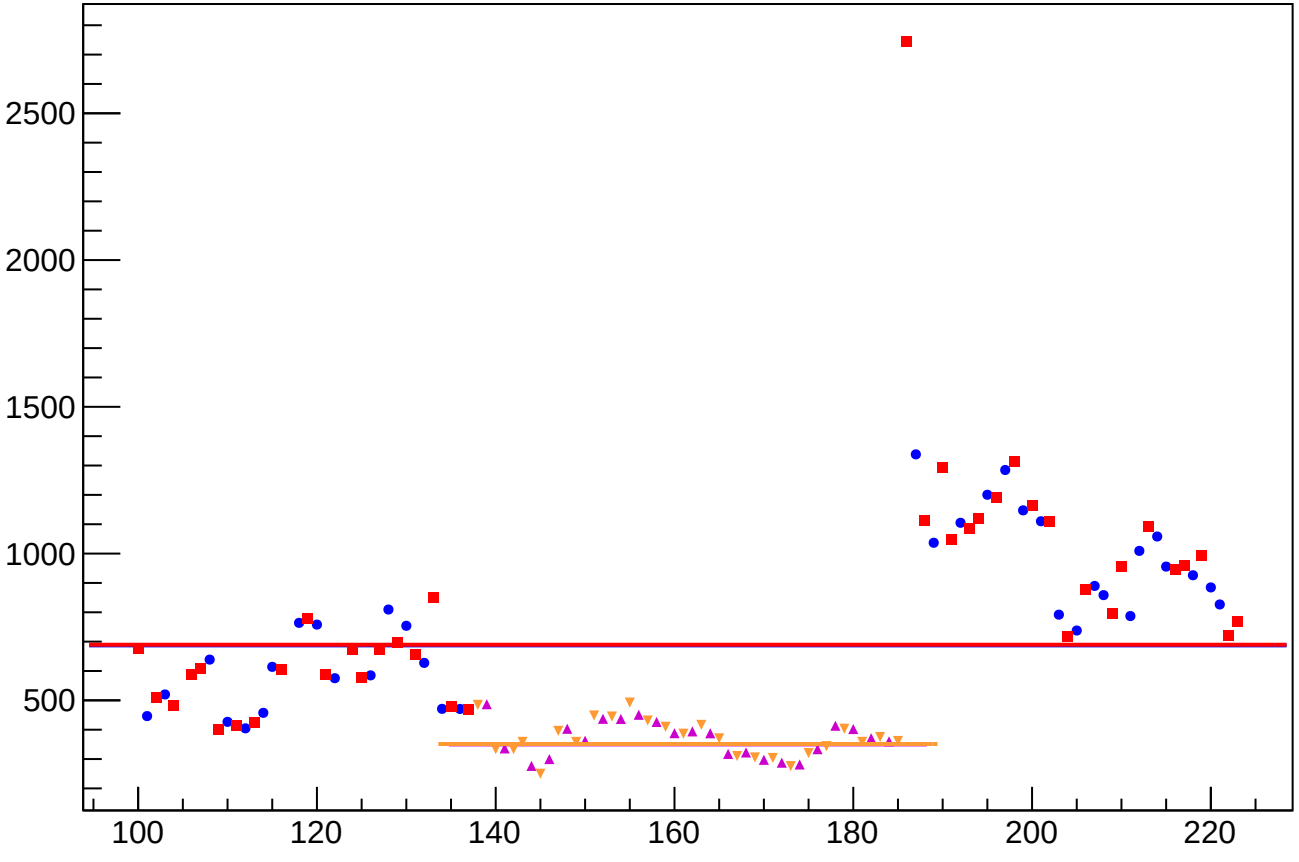
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -467.840+/-71.918 χ^2/NDF: 121.6/58

All: -360.673+/-51.285 χ^2/NDF: 239.2/120

- sign -249.791+/-73.154 χ^2/NDF: 113.1/61

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 687.279+/-0.110 χ^2/NDF: 4683401.1/33

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 689.451+/-0.109 χ^2/NDF: 5638269.7/38

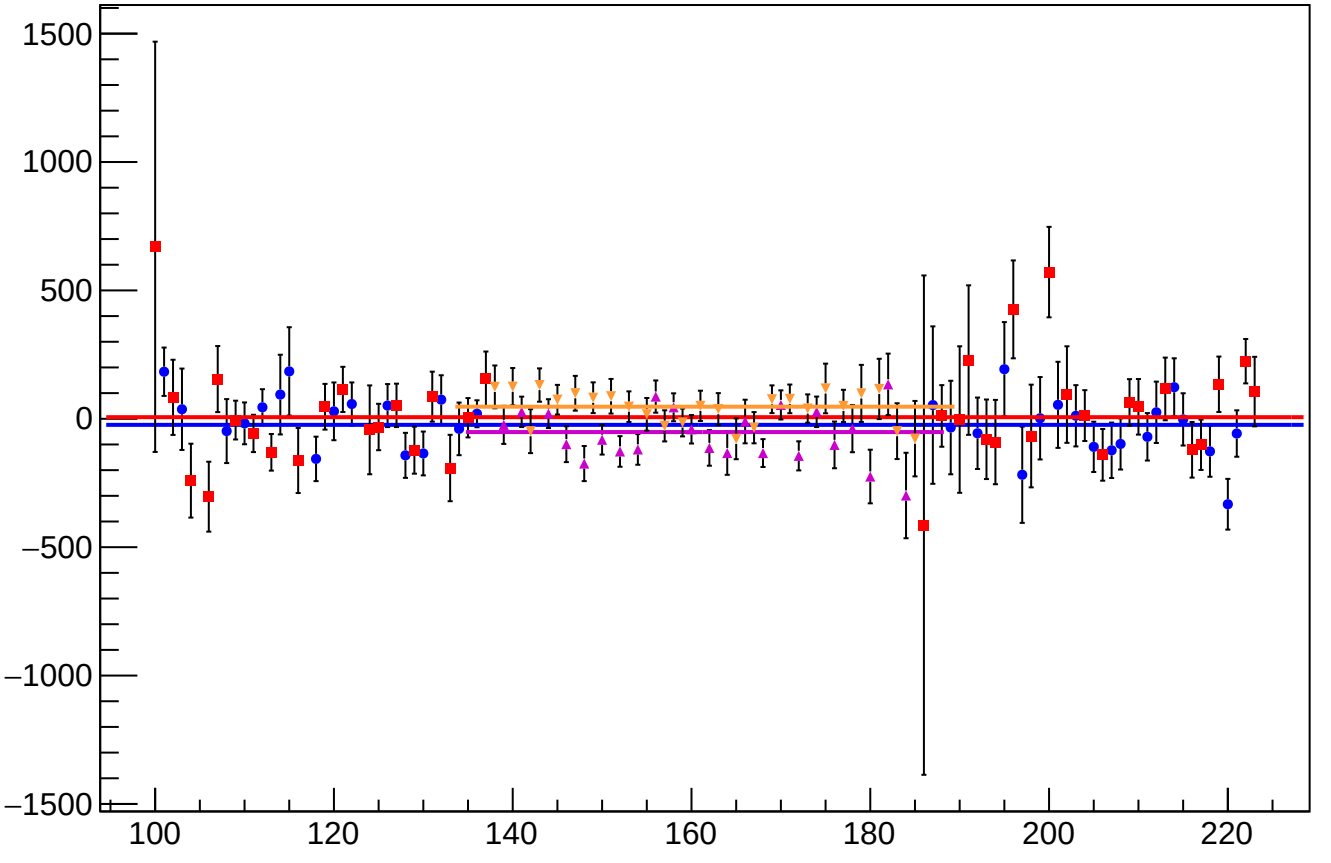
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 423.269+/-0.051 χ^2/NDF: 13152582.4/58

All: 424.678+/-0.036 χ^2/NDF: 27293548.7/12

- sign 426.135+/-0.052 χ^2/NDF: 14139405.4/61

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -23.585+/-17.528 χ^2/NDF: 35.9/33

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 6.320+/-17.805 χ^2/NDF: 57.2/38

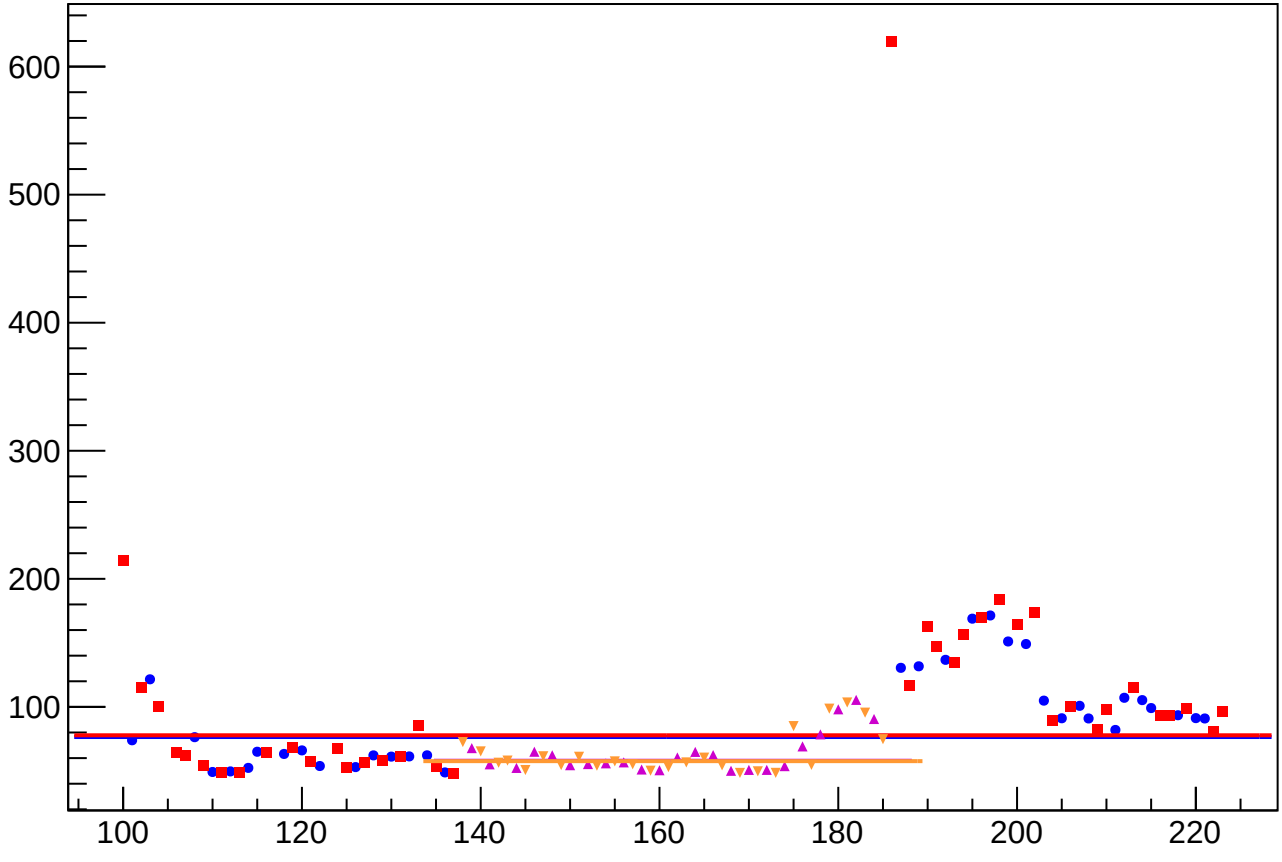
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 20.787+/-10.701 χ^2/NDF: 63.1/58

All: -3.791+/-7.661 χ^2/NDF: 175.9/120

- sign -29.633+/-10.973 χ^2/NDF: 102.0/61

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 76.473+/-0.012 χ^2/NDF: 5142065.9/33

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

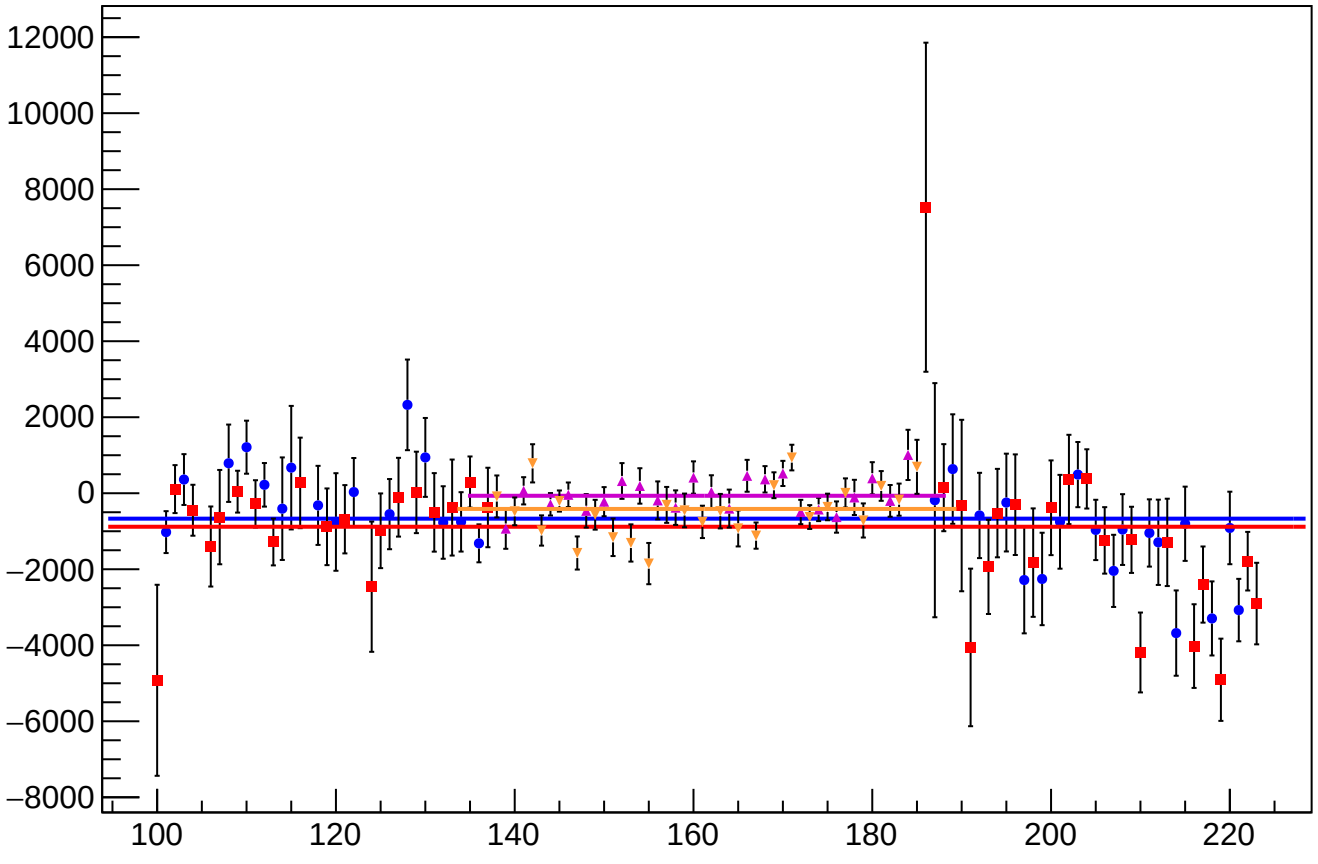
Right Out: 77.825+/-0.013 χ^2/NDF: 6556859.3/38

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 64.654+/-0.008 χ^2/NDF: 7957160.5/58

All: 65.063+/-0.005 χ^2/NDF: 17191527.6/120

- sign 65.492+/-0.008 χ^2/NDF: 9228379.0/61



Right In: -668.717+/-155.358 χ^2/NDF: 58.1/33

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

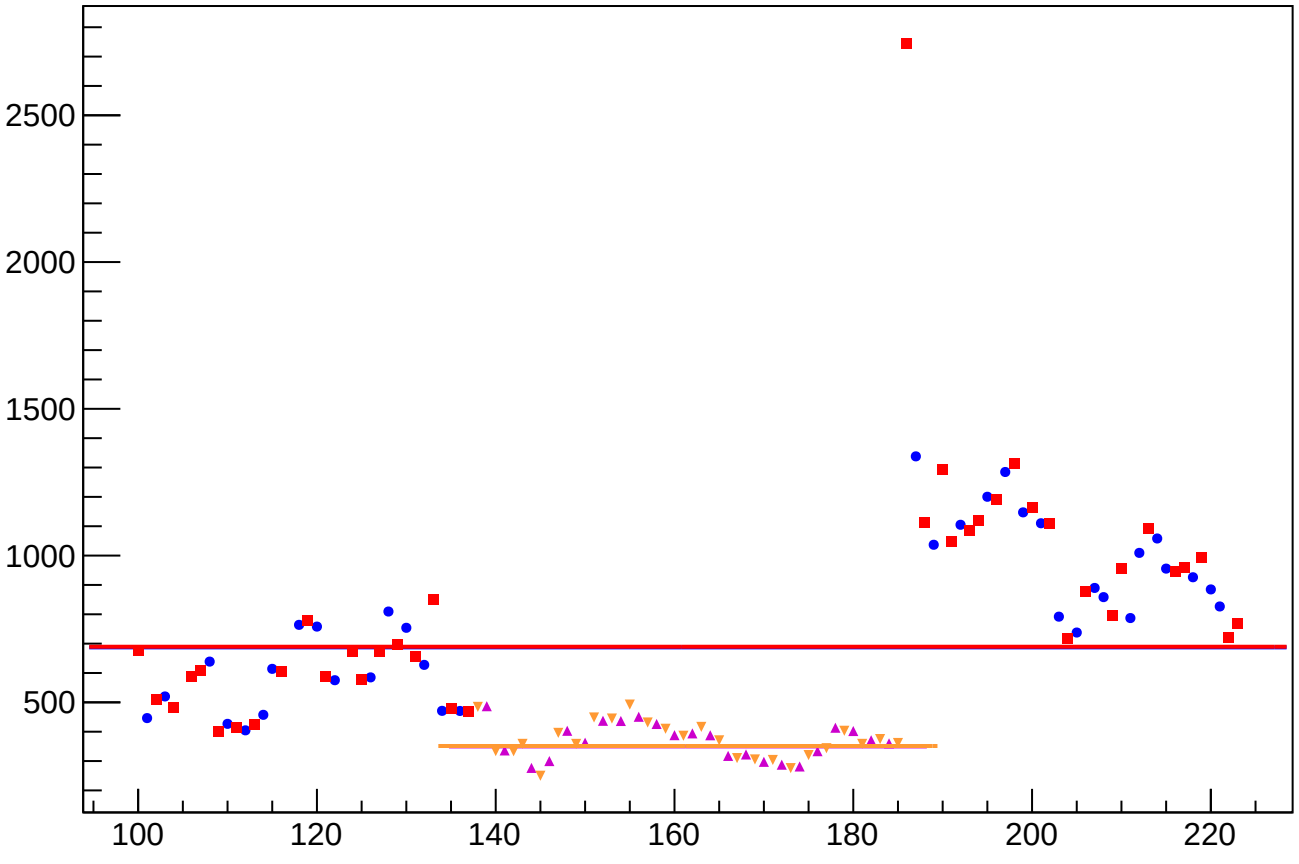
Right Out: -881.682+/-154.319 χ^2/NDF: 68.5/38

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -467.839+/-71.918 χ^2/NDF: 121.6/58

All: -360.673+/-51.285 χ^2/NDF: 239.2/120

- sign -249.791+/-73.154 χ^2/NDF: 113.1/61



Right In: 687.278+/-0.110 χ^2/NDF: 4683416.4/33

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 689.449+/-0.109 χ^2/NDF: 5638279.6/38

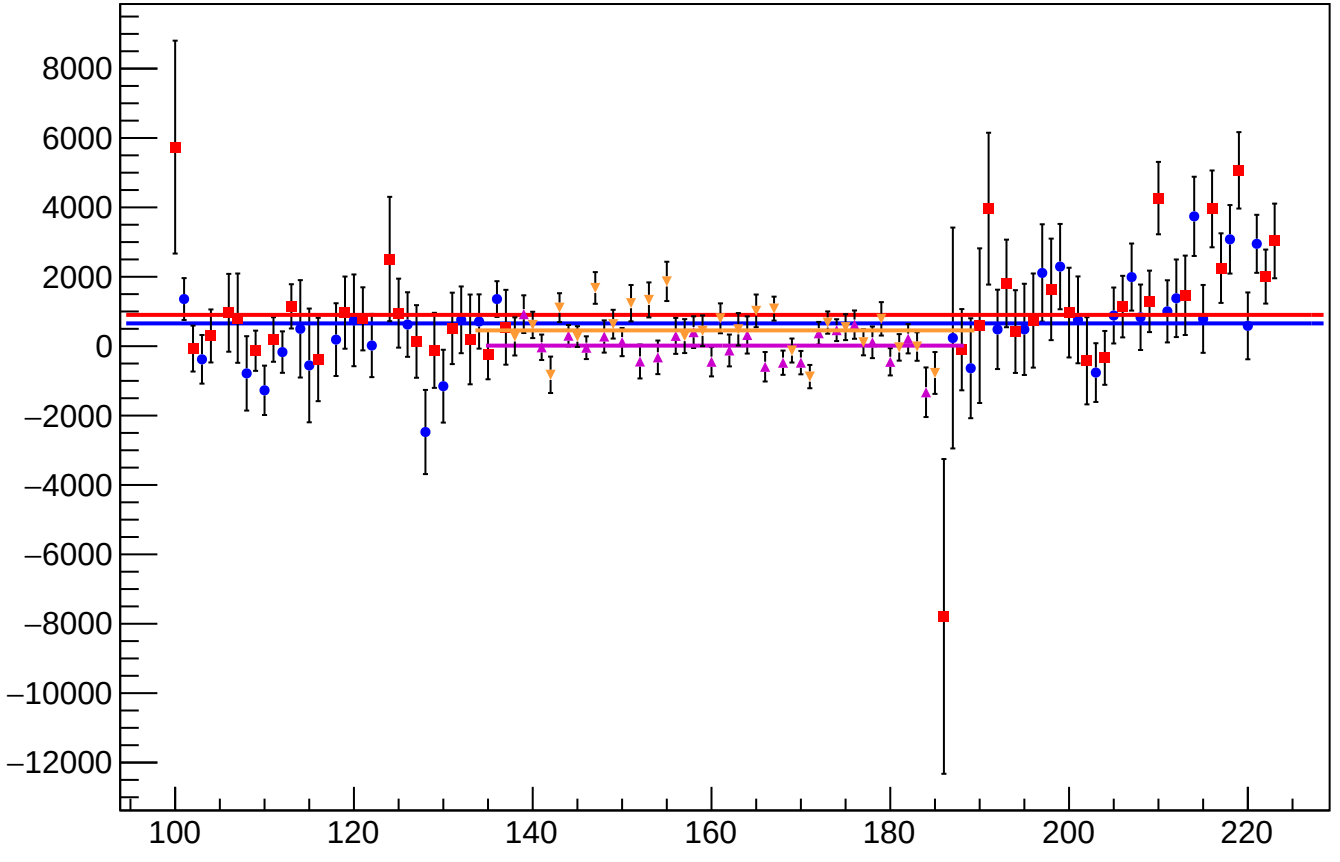
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 423.269+/-0.051 χ^2/NDF: 13152578.0/58

All: 424.677+/-0.036 χ^2/NDF: 27293524.4/12

- sign 426.135+/-0.052 χ^2/NDF: 14139385.3/61

asym_sam_1357_avg_mean vs Slug



Right In: 656.566+/-159.152 χ^2/NDF: 57.3/33

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 901.850+/-159.195 χ^2/NDF: 68.0/38

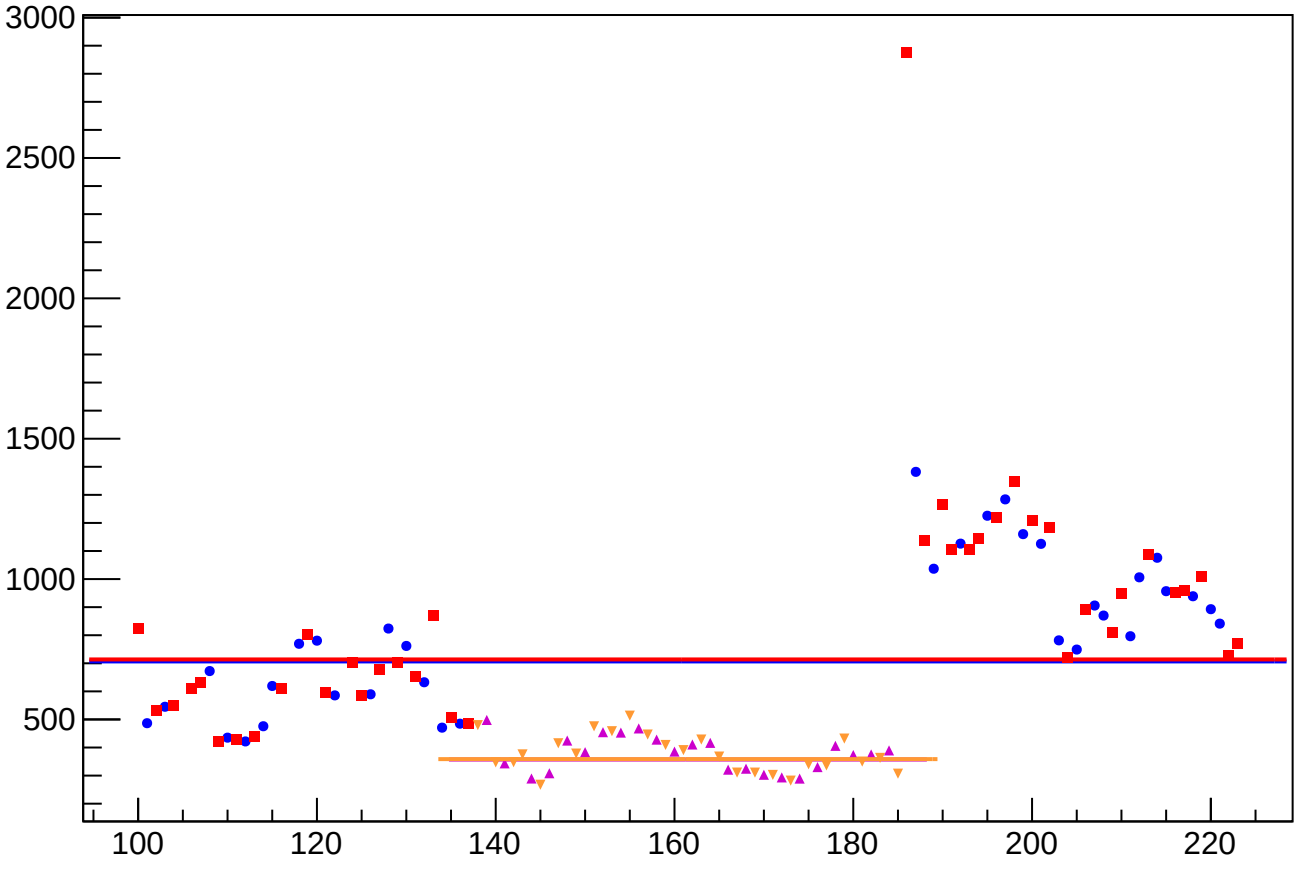
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 498.251+/-73.566 χ^2/NDF: 119.4/58

All: 357.614+/-52.472 χ^2/NDF: 243.8/120

- sign 211.966+/-74.865 χ^2/NDF: 116.9/61

asym_sam_1357_avg_rms vs Slug



Right In: 706.673+/-0.113 χ^2/NDF: 4367444.2/33

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

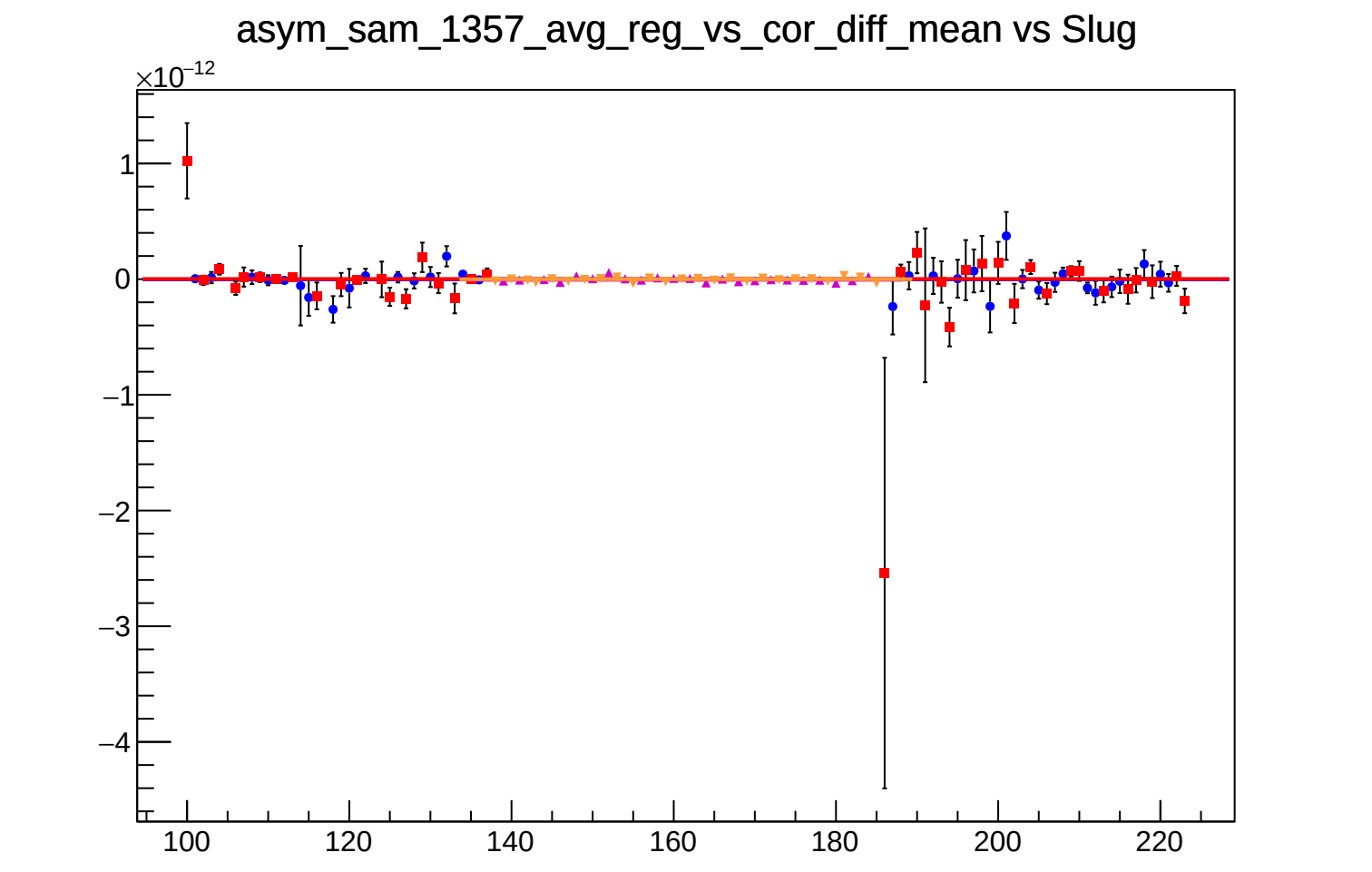
Right Out: 713.764+/-0.113 χ^2/NDF: 5306545.7/38

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 433.030+/-0.052 χ^2/NDF: 13006008.5/58

All: 434.510+/-0.037 χ^2/NDF: 27111012.7/12

- sign 436.042+/-0.053 χ^2/NDF: 14103357.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

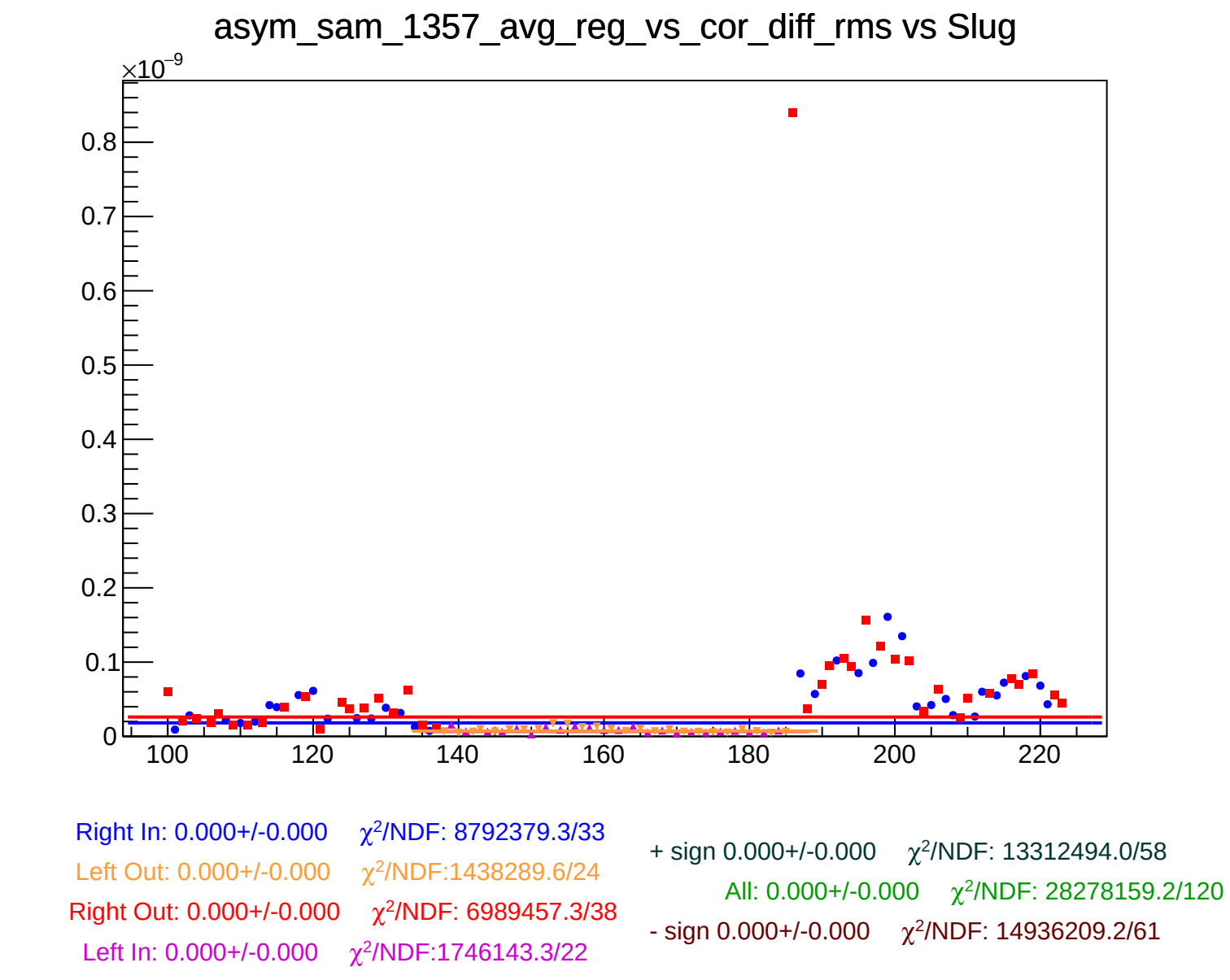
Right Out: 0.000+/-0.000 χ^2/NDF: 56.1/38

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

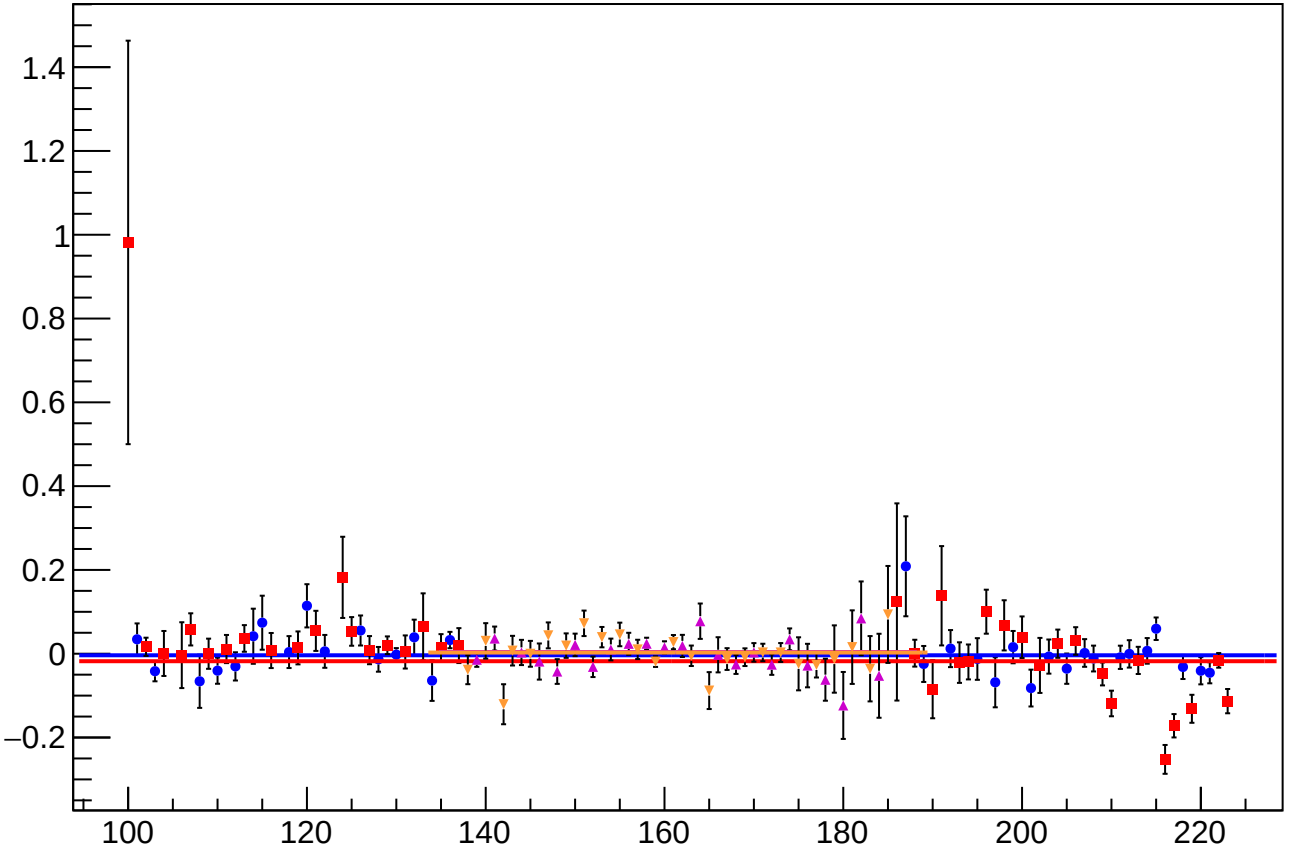
+ sign -0.000+/-0.000 χ^2/NDF: 45.9/58

All: -0.000+/-0.000 χ^2/NDF: 132.1/120

- sign -0.000+/-0.000 χ^2/NDF: 85.1/61


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
220
Right In: 0.000+/-0.000 χ²/NDF: 8792379.3/33
Left Out: 0.000+/-0.000 χ²/NDF:1438289.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6989457.3/38
Left In: 0.000+/-0.000 χ²/NDF:1746143.3/22
+ sign 0.000+/-0.000 χ²/NDF: 13312494.0/58
All: 0.000+/-0.000 χ²/NDF: 28278159.2/120
- sign 0.000+/-0.000 χ²/NDF: 14936209.2/61

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 42.4/33

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.006 χ^2/NDF: 160.7/38

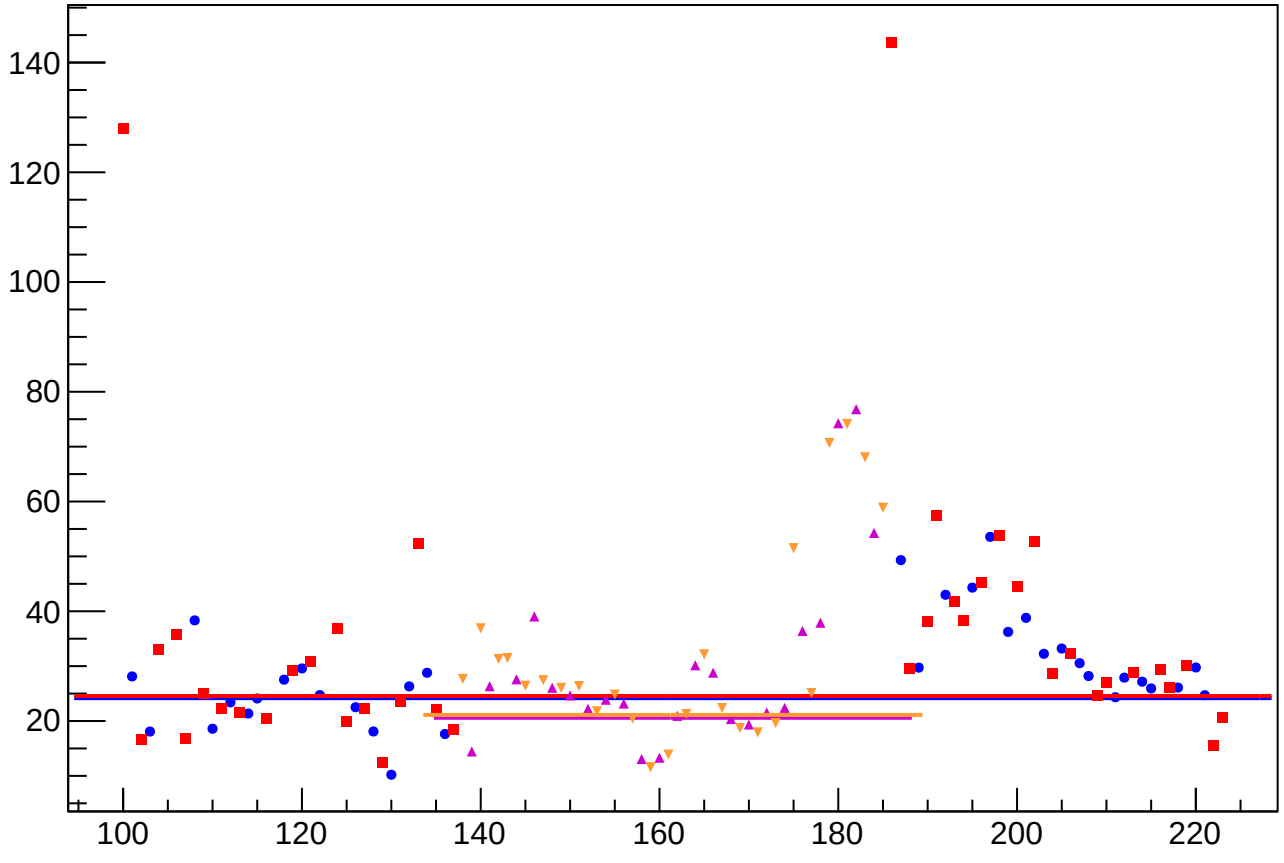
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign -0.000+/-0.004 χ^2/NDF: 75.9/58

All: -0.003+/-0.003 χ^2/NDF: 269.9/120

- sign -0.006+/-0.004 χ^2/NDF: 192.9/61

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.164+/-0.004 χ^2/NDF: 4448413.9/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

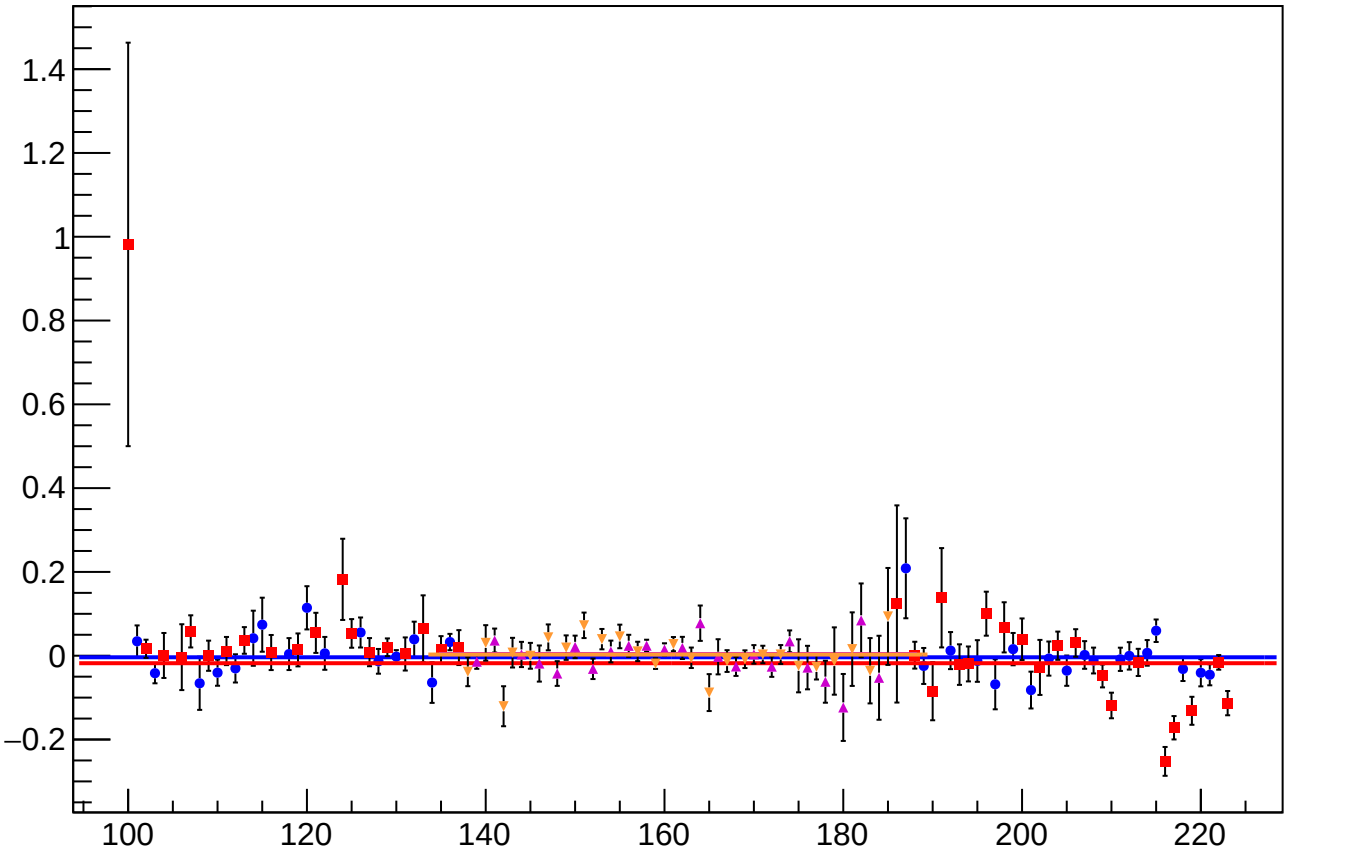
Right Out: 24.564+/-0.004 χ^2/NDF: 5286796.6/38

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.578+/-0.003 χ^2/NDF: 10297041.8/58

All: 22.522+/-0.002 χ^2/NDF: 20688128.4/120

- sign 22.465+/-0.003 χ^2/NDF: 10390255.1/61



Right In: -0.004+/-0.006 χ^2/NDF: 42.4/33

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.006 χ^2/NDF: 160.7/38

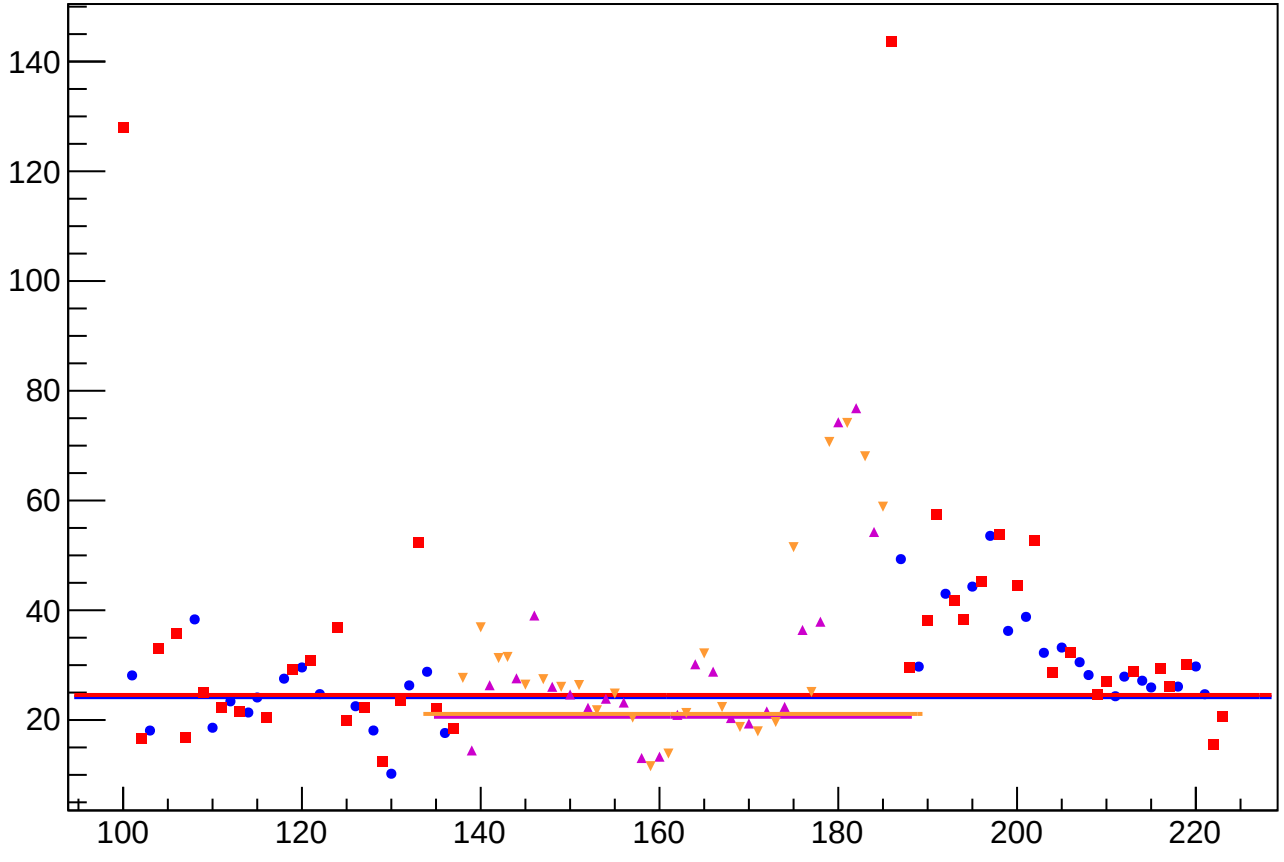
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign -0.000+/-0.004 χ^2/NDF: 75.9/58

All: -0.003+/-0.003 χ^2/NDF: 269.9/120

- sign -0.006+/-0.004 χ^2/NDF: 192.9/61

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.164+/-0.004 χ^2/NDF: 4448413.9/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

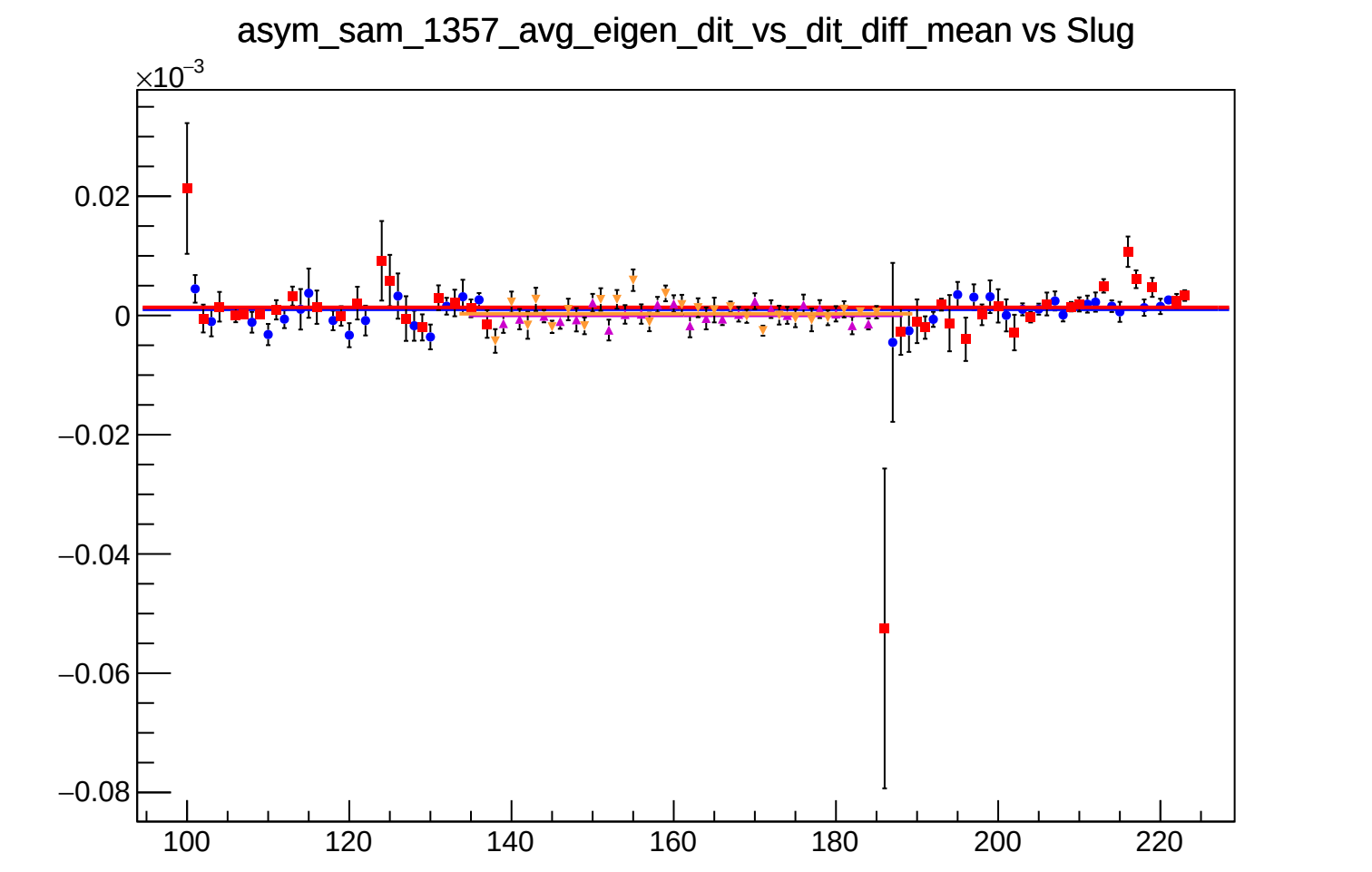
Right Out: 24.564+/-0.004 χ^2/NDF: 5286796.6/38

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.578+/-0.003 χ^2/NDF: 10297041.8/58

All: 22.522+/-0.002 χ^2/NDF: 20688128.4/120

- sign 22.465+/-0.003 χ^2/NDF: 10390255.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

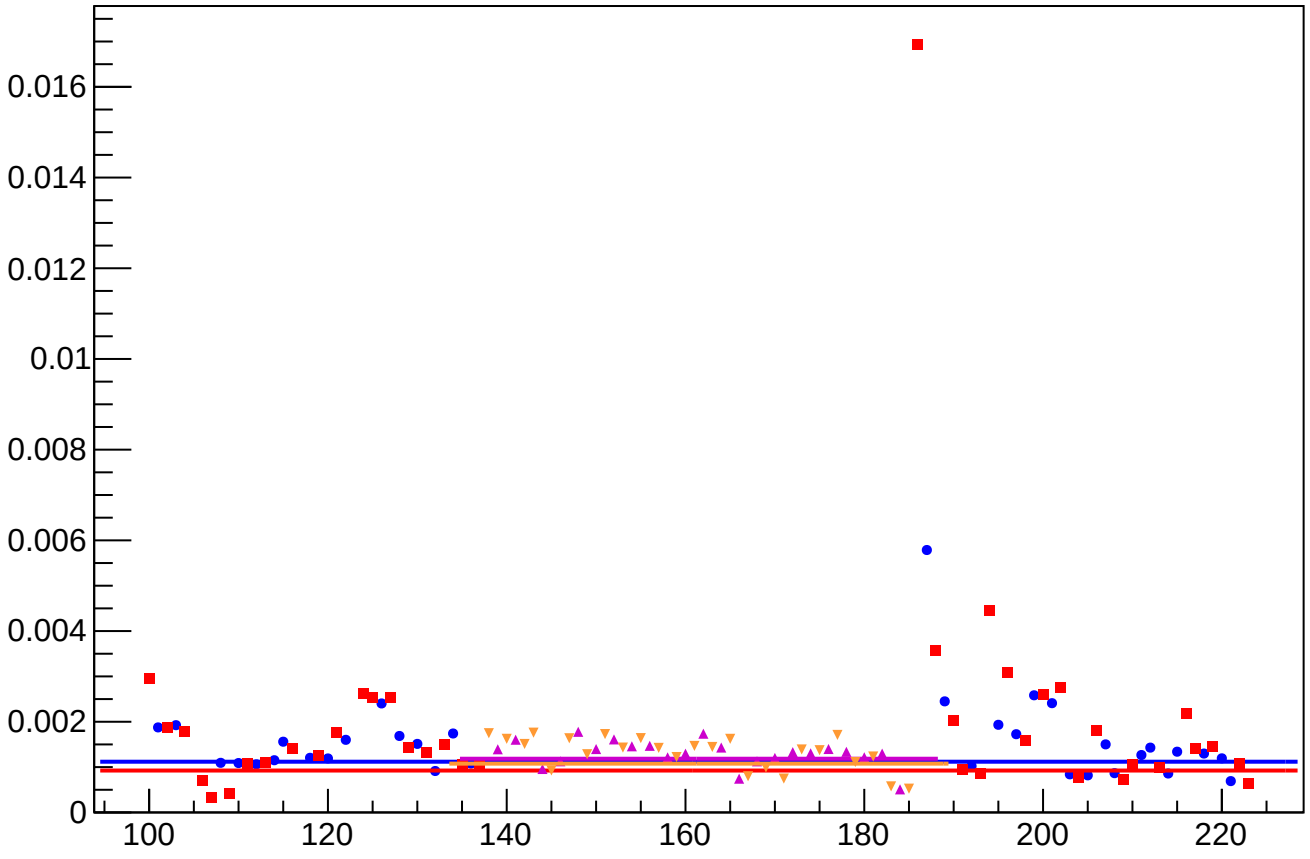
Right Out: 0.000+/-0.000 χ^2/NDF: 82.8/38

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 97.6/58

All: 0.000+/-0.000 χ^2/NDF: 213.5/120

- sign 0.000+/-0.000 χ^2/NDF: 115.5/61



Right In: 0.001+/-0.000 χ^2/NDF: 4679271.1/33

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12361016.6/38

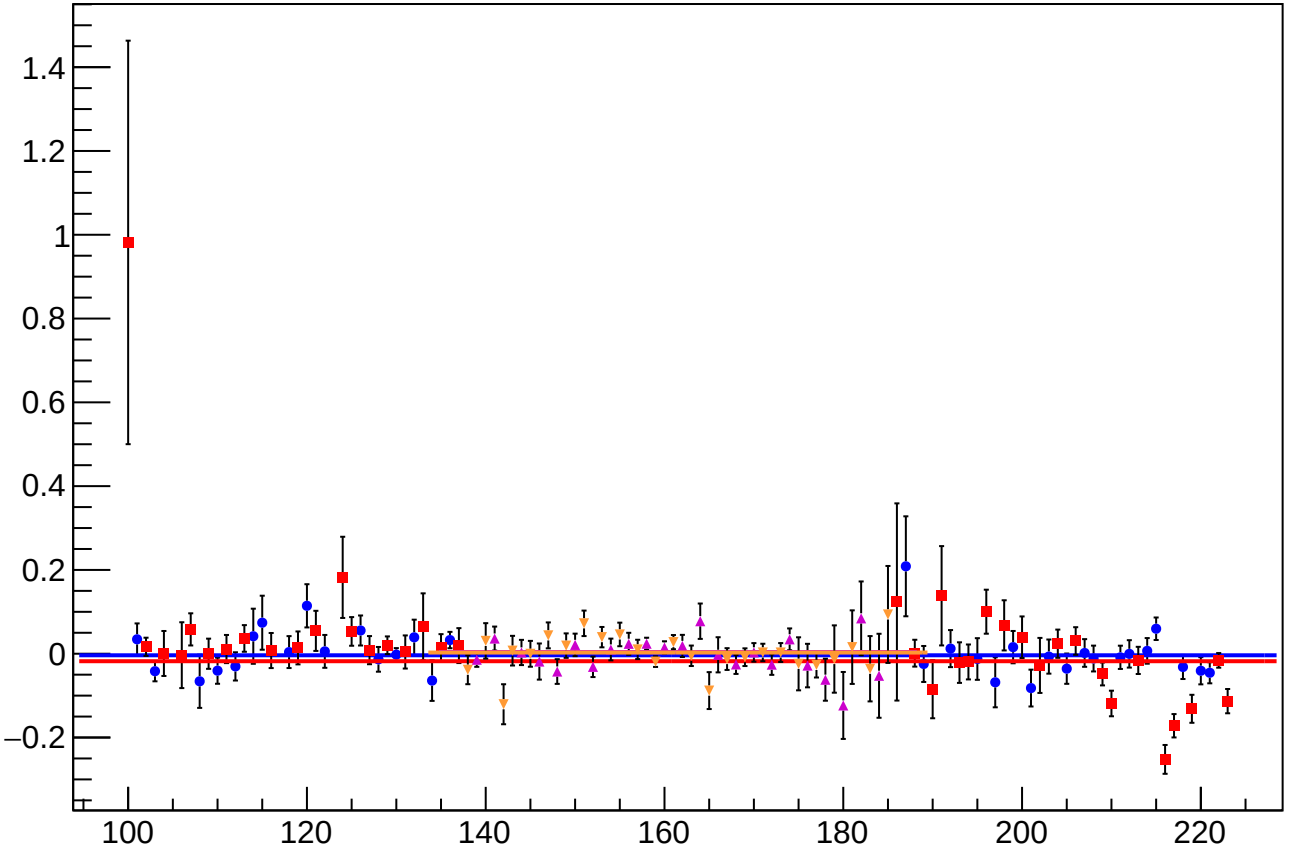
Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 9250730.3/58

All: 0.001+/-0.000 χ^2/NDF: 25199862.5/120

- sign 0.001+/-0.000 χ^2/NDF: 15801250.2/61

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 42.4/33

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.018+/-0.006 χ^2/NDF: 160.7/38

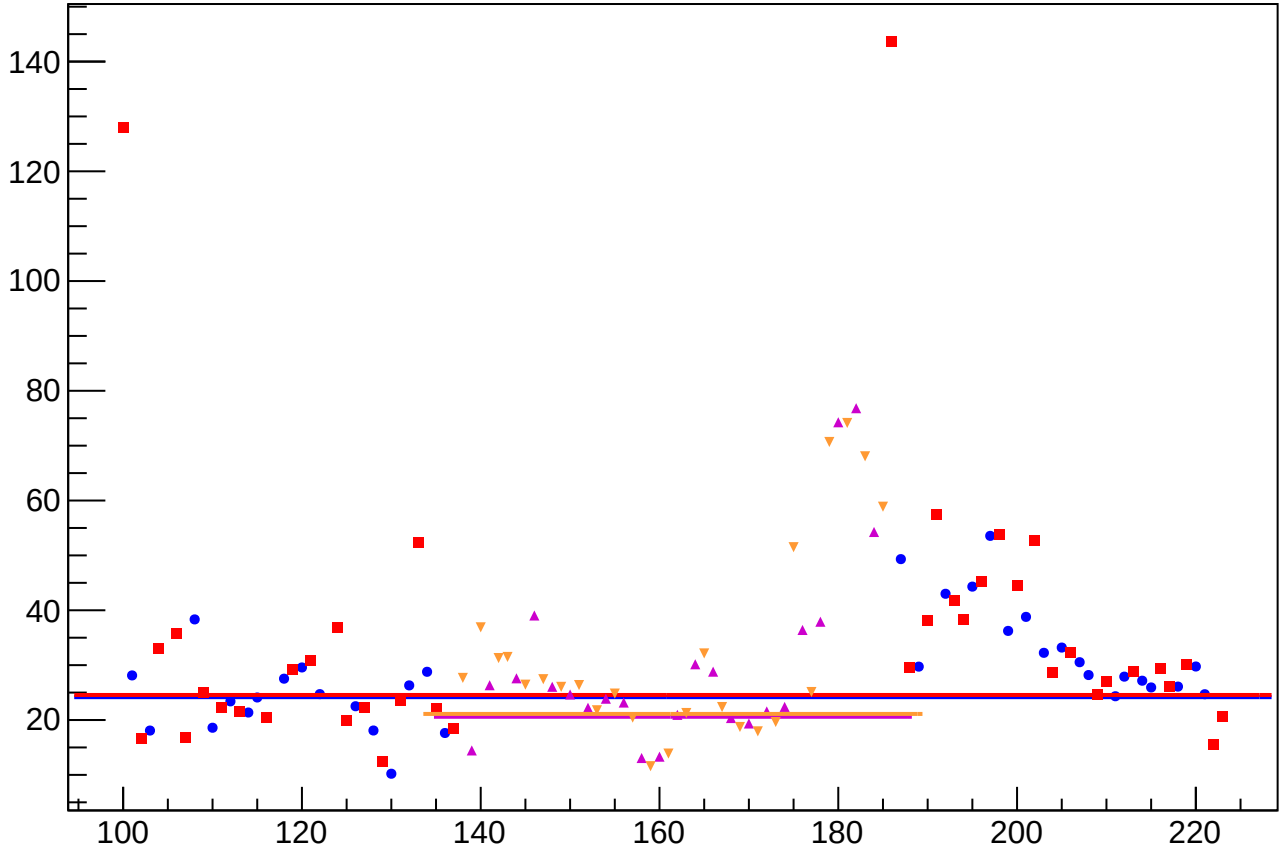
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign -0.000+/-0.004 χ^2/NDF: 75.9/58

All: -0.003+/-0.003 χ^2/NDF: 269.9/120

- sign -0.006+/-0.004 χ^2/NDF: 192.9/61

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.164+/-0.004 χ^2/NDF: 4448092.2/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

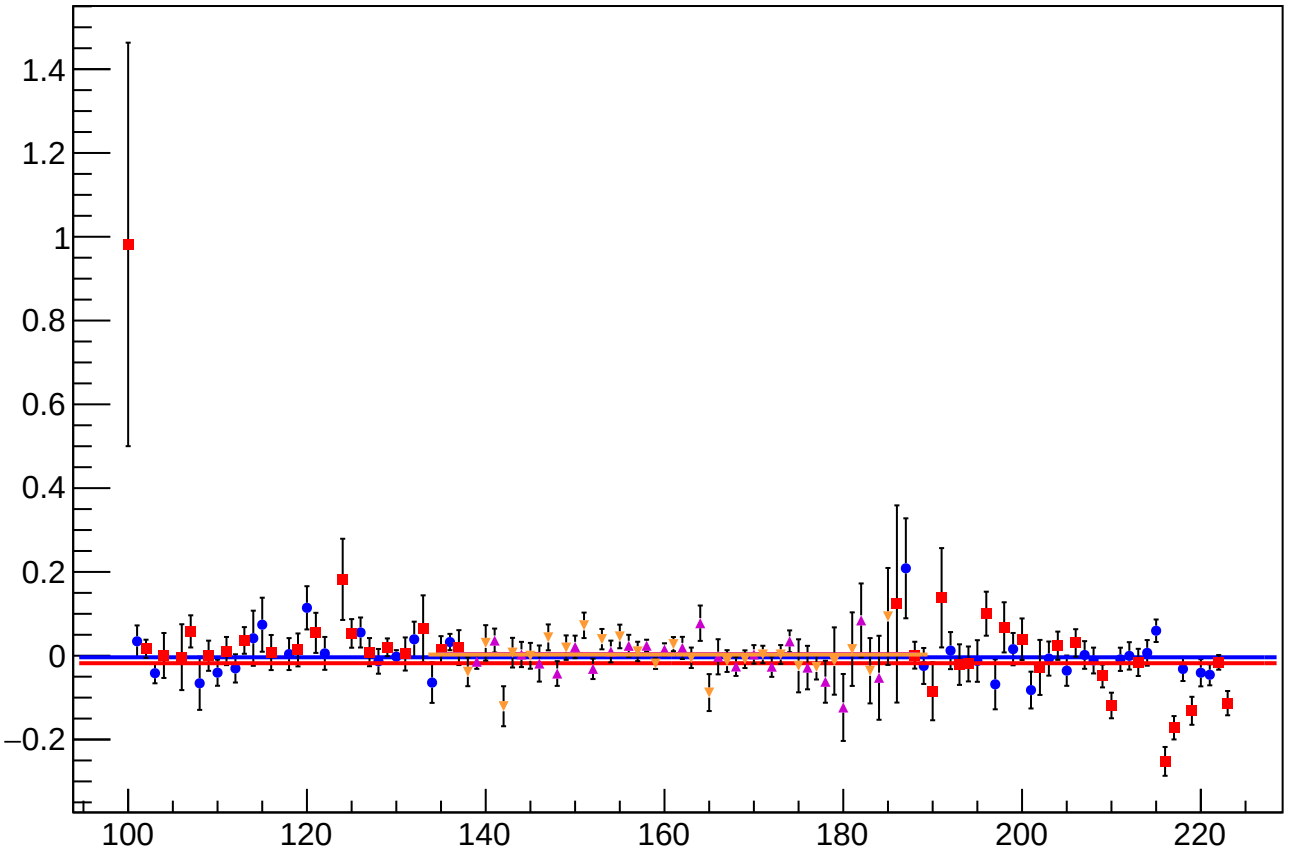
Right Out: 24.564+/-0.004 χ^2/NDF: 5286789.7/38

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.579+/-0.003 χ^2/NDF: 10296895.8/58

All: 22.522+/-0.002 χ^2/NDF: 20687919.3/120

- sign 22.465+/-0.003 χ^2/NDF: 10390191.8/61



Right In: -0.004+/-0.006 χ^2/NDF: 42.4/33

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

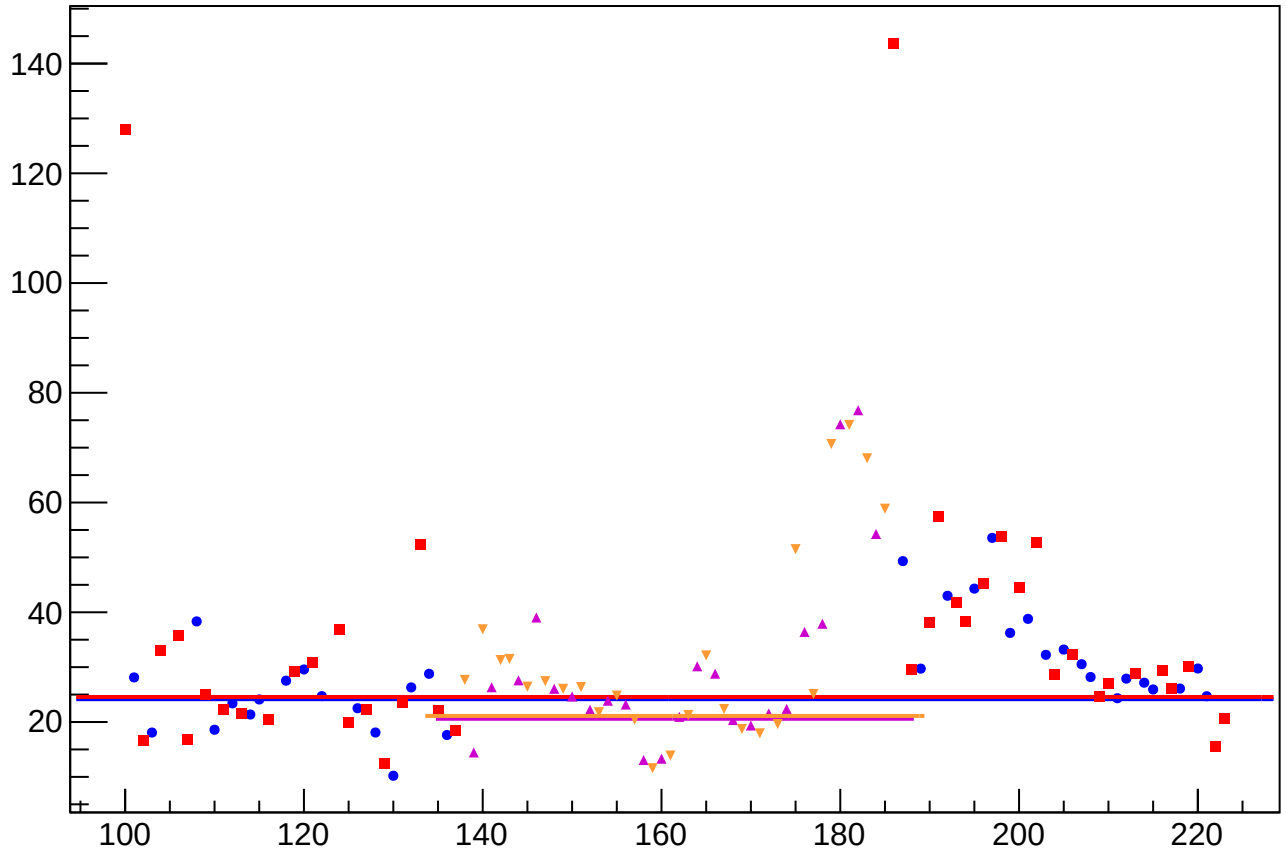
Right Out: -0.018+/-0.006 χ^2/NDF: 160.7/38

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign -0.000+/-0.004 χ^2/NDF: 75.9/58

All: -0.003+/-0.003 χ^2/NDF: 269.9/120

- sign -0.006+/-0.004 χ^2/NDF: 192.9/61



Right In: 24.164+/-0.004 χ^2/NDF: 4448092.2/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

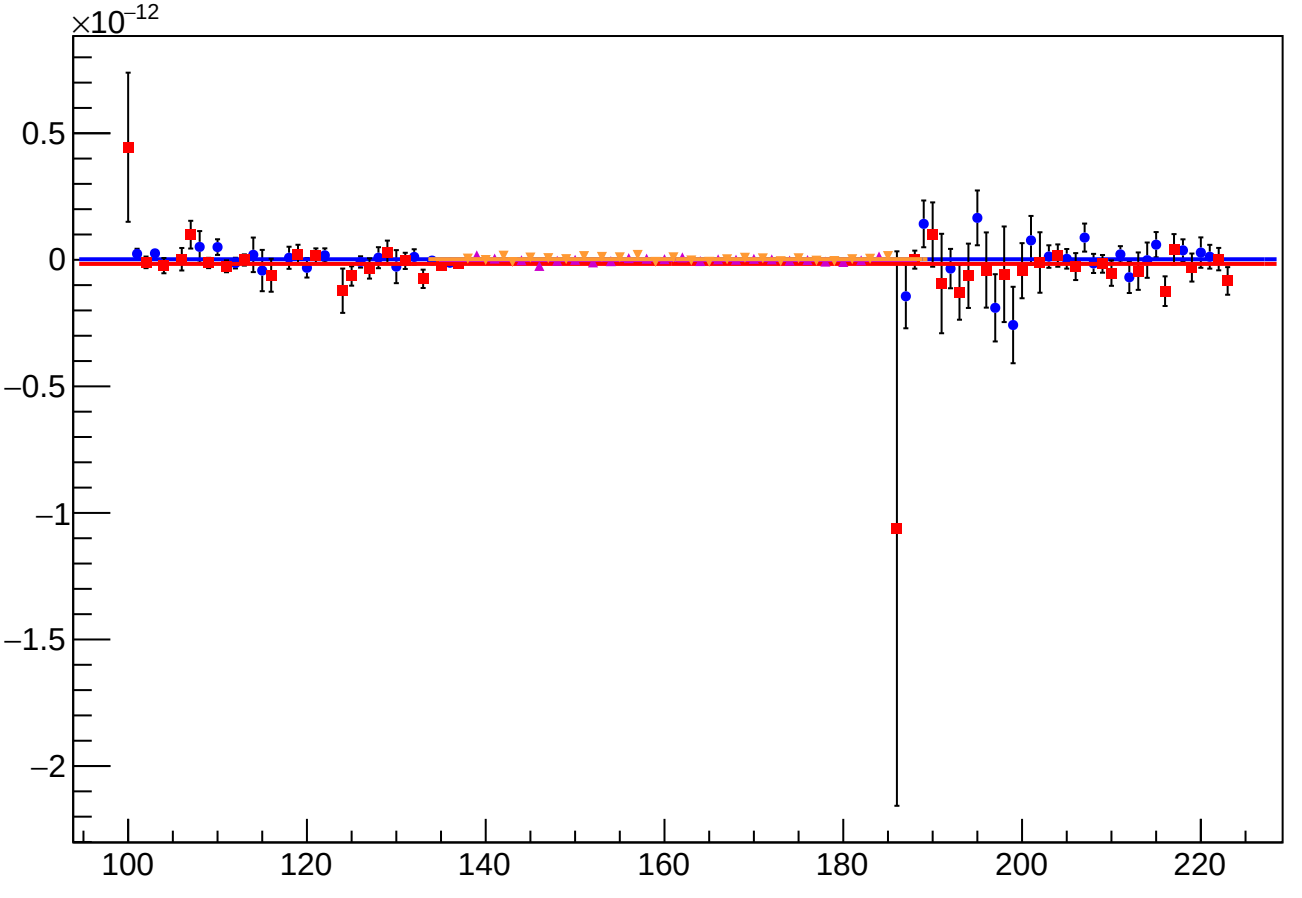
Right Out: 24.564+/-0.004 χ^2/NDF: 5286789.7/38

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.579+/-0.003 χ^2/NDF: 10296895.8/58

All: 22.522+/-0.002 χ^2/NDF: 20687919.3/120

- sign 22.465+/-0.003 χ^2/NDF: 10390191.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

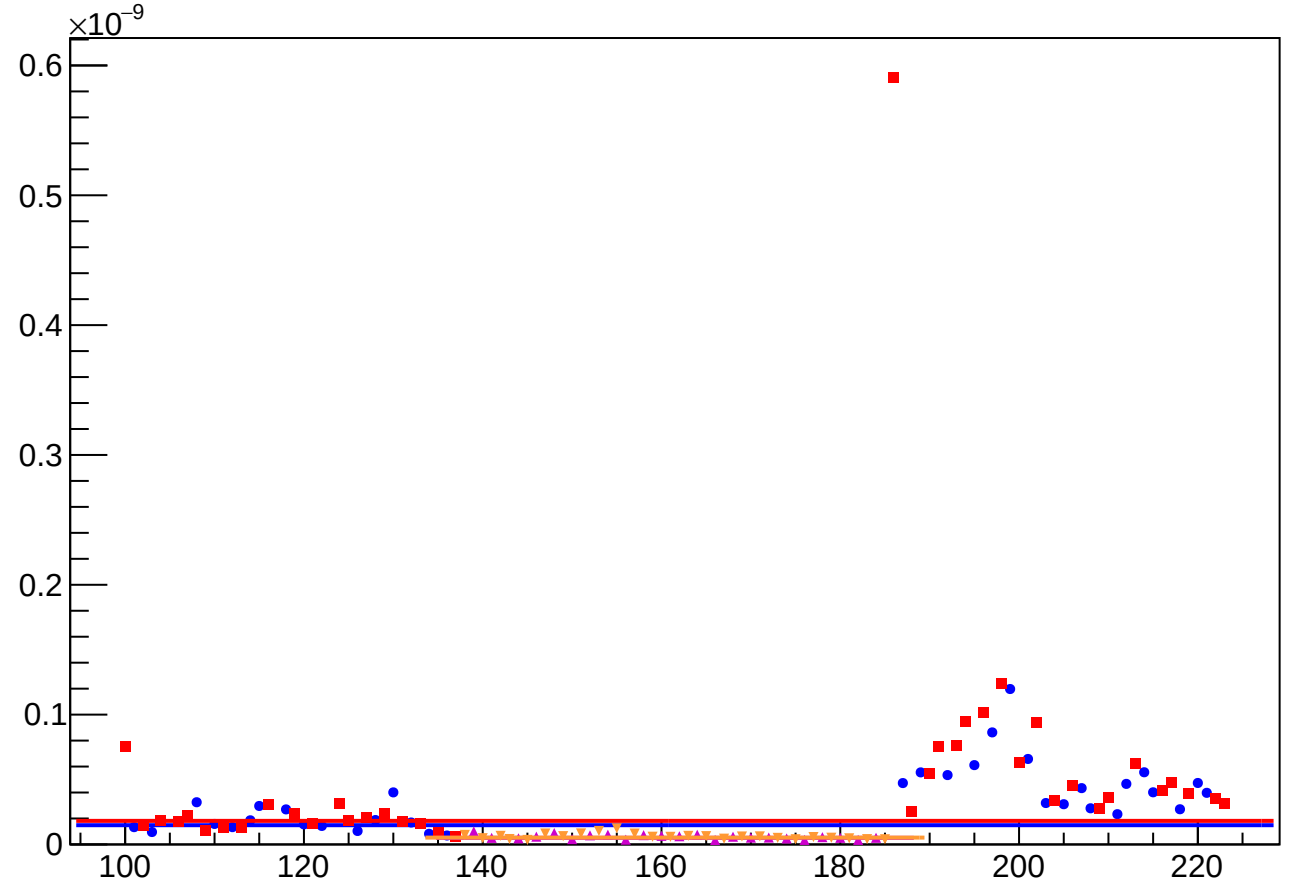
Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/38

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.6/58

All: 0.000+/-0.000 χ^2/NDF: 110.2/120

- sign -0.000+/-0.000 χ^2/NDF: 56.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 10970745.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10495257.8/38

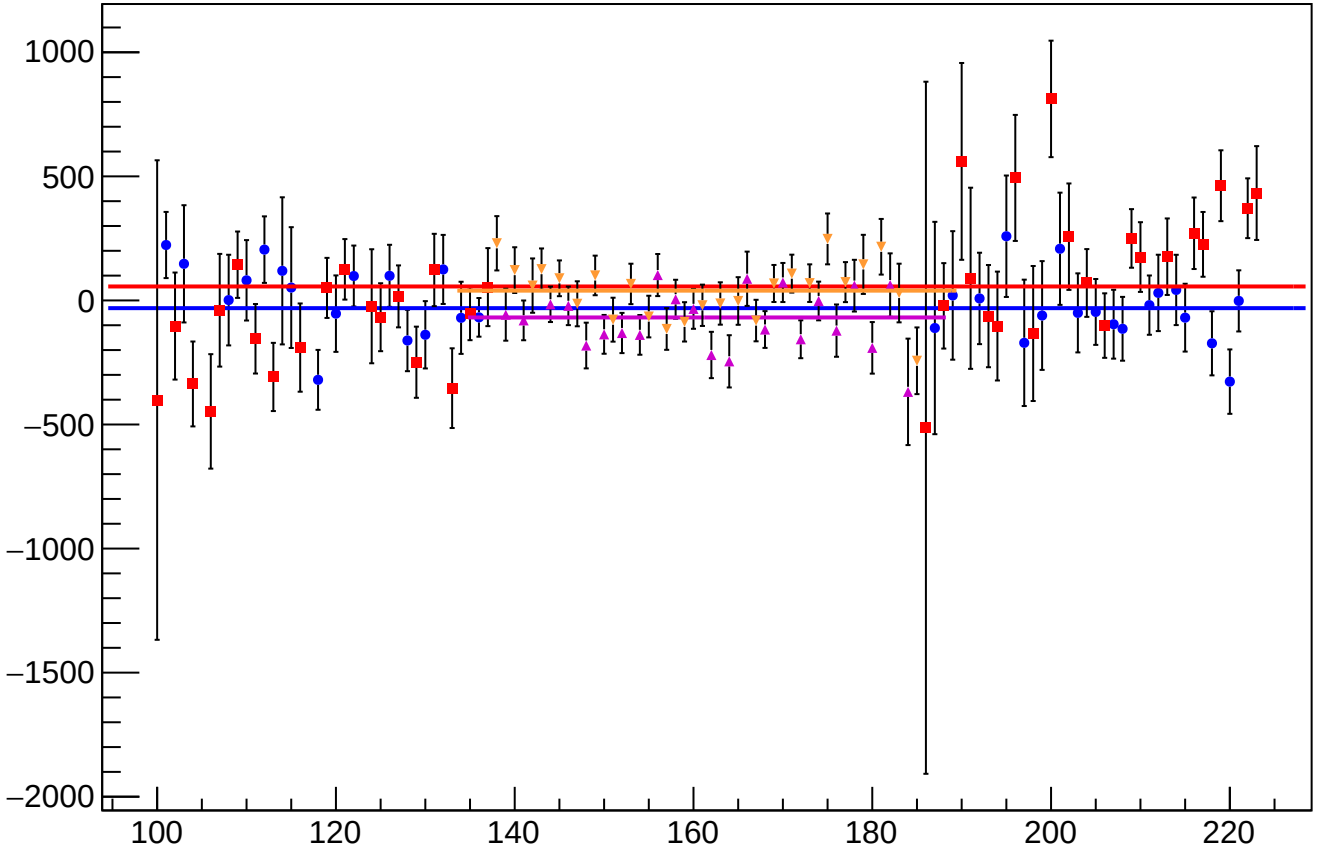
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19368689.6/58

All: 0.000+/-0.000 χ^2/NDF: 40760395.4/120

- sign 0.000+/-0.000 χ^2/NDF: 21383679.5/61

reg_asym_sam_2468_avg_mean vs Slug



Right In: -31.113+/-25.138 χ^2/NDF: 30.0/33

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 56.267+/-25.707 χ^2/NDF: 82.2/38

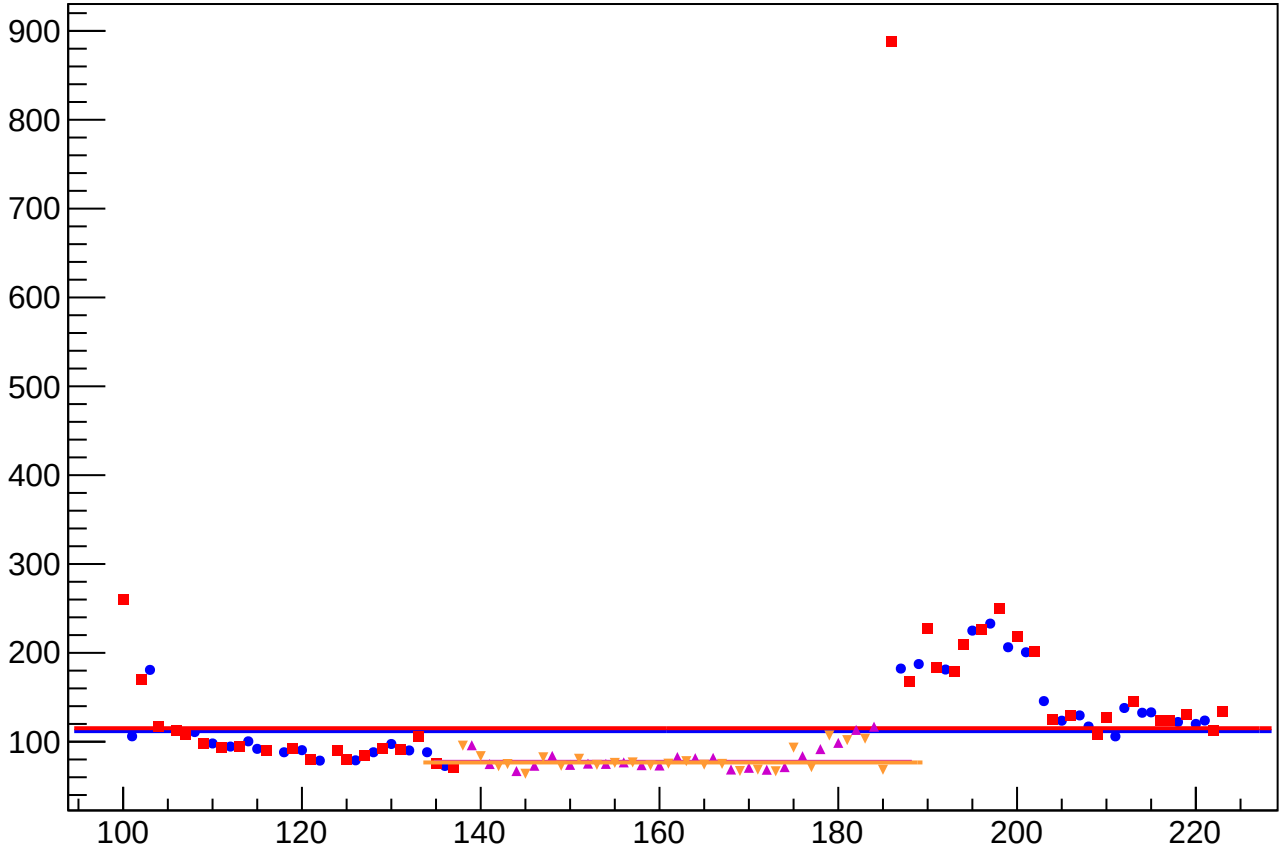
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 16.140+/-14.454 χ^2/NDF: 67.3/58

All: -4.539+/-10.380 χ^2/NDF: 198.3/120

- sign -26.565+/-14.918 χ^2/NDF: 126.8/61

reg_asym_sam_2468_avg_rms vs Slug



Right In: 111.905+/-0.018 χ^2/NDF: 3743622.2/33

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

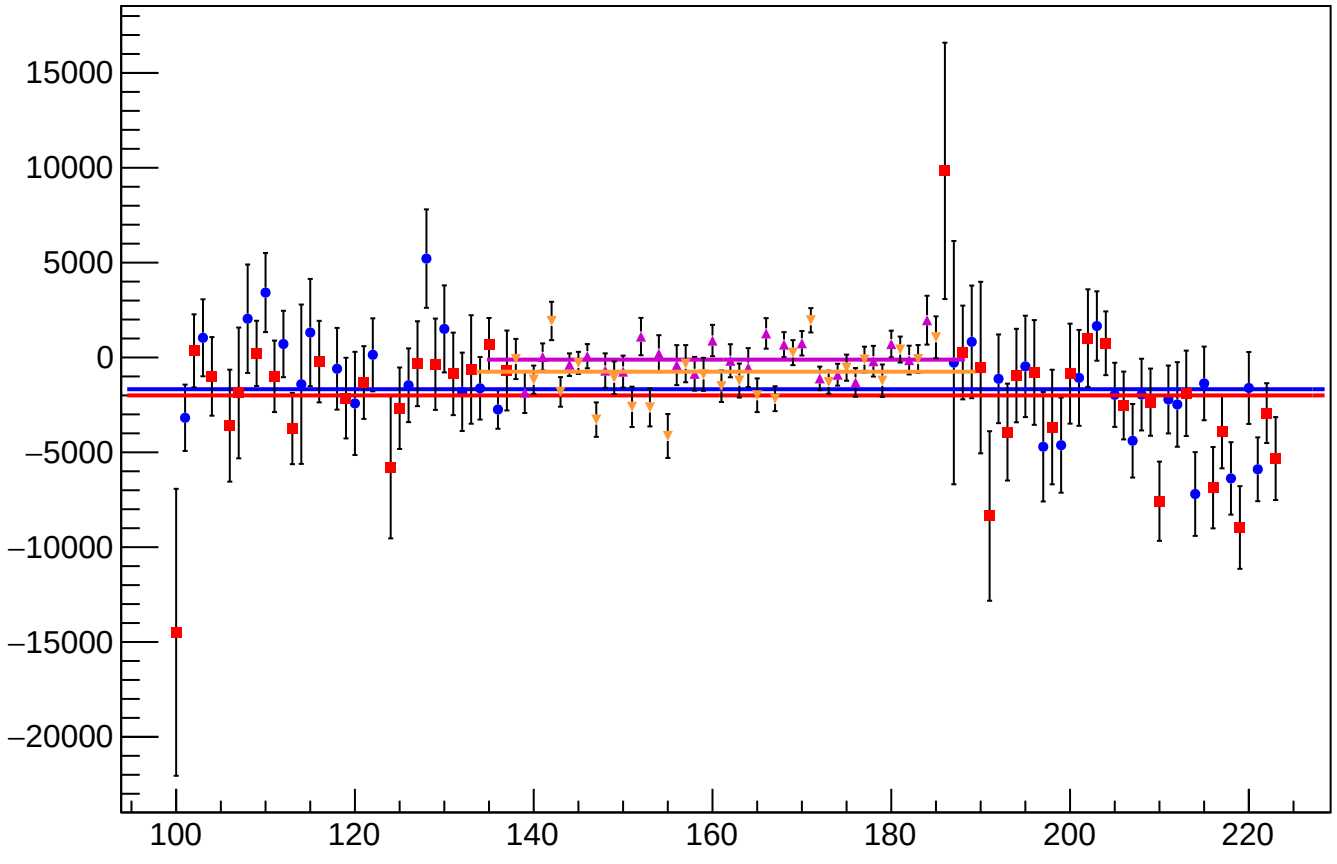
Right Out: 115.178+/-0.018 χ^2/NDF: 4790024.5/38

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 88.303+/-0.010 χ^2/NDF: 7032033.4/58

All: 89.167+/-0.007 χ^2/NDF: 15299904.3/120

- sign 90.087+/-0.011 χ^2/NDF: 8253112.4/61



Right In: -1673.354+/-349.075 χ^2/NDF: 52.2/33

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1999.073+/-355.385 χ^2/NDF: 52.8/38

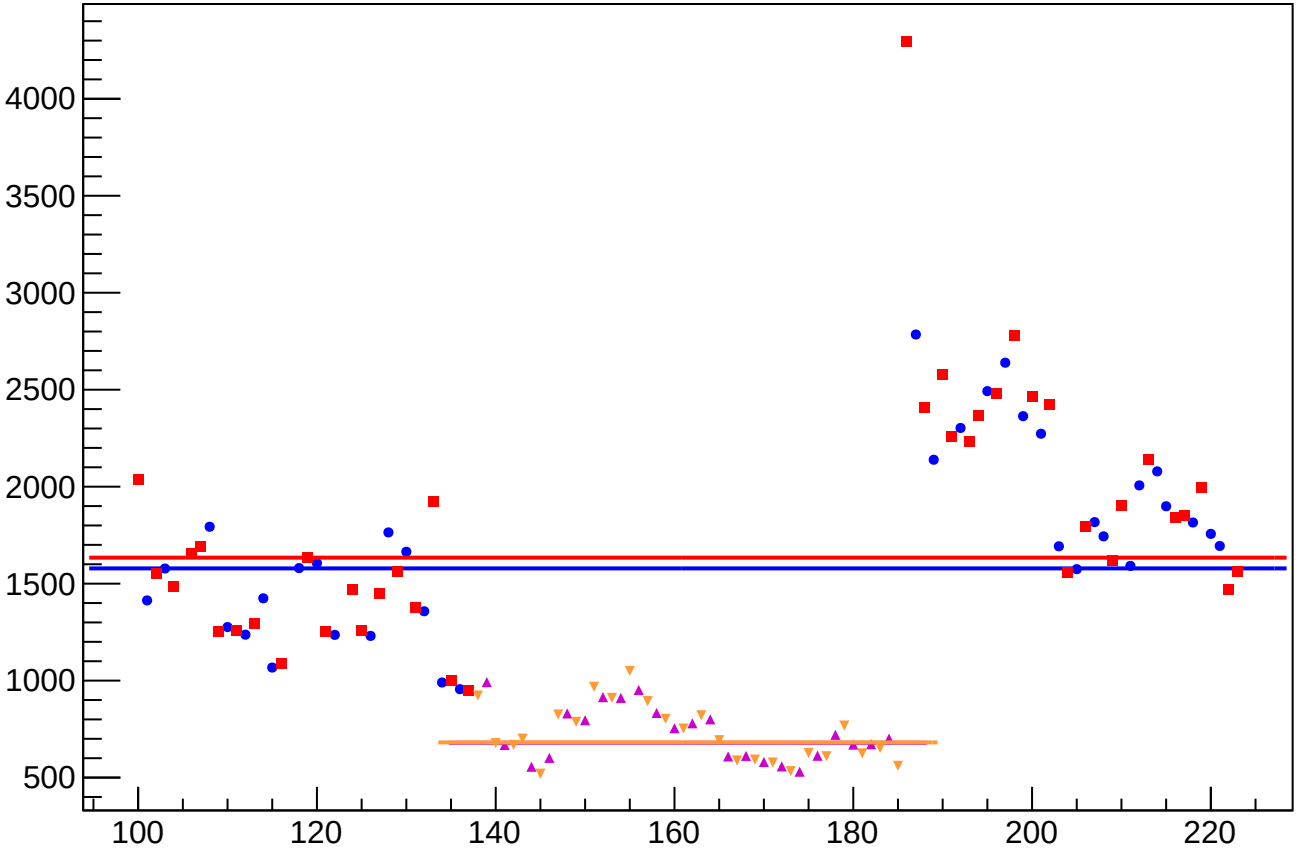
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -906.838+/-144.003 χ^2/NDF: 128.0/58

All: -677.430+/-102.959 χ^2/NDF: 234.4/120

- sign -437.517+/-147.263 χ^2/NDF: 101.2/61

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1578.630+/-0.247 χ^2/NDF: 2912687.6/33

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1634.019+/-0.251 χ^2/NDF: 3278871.8/38

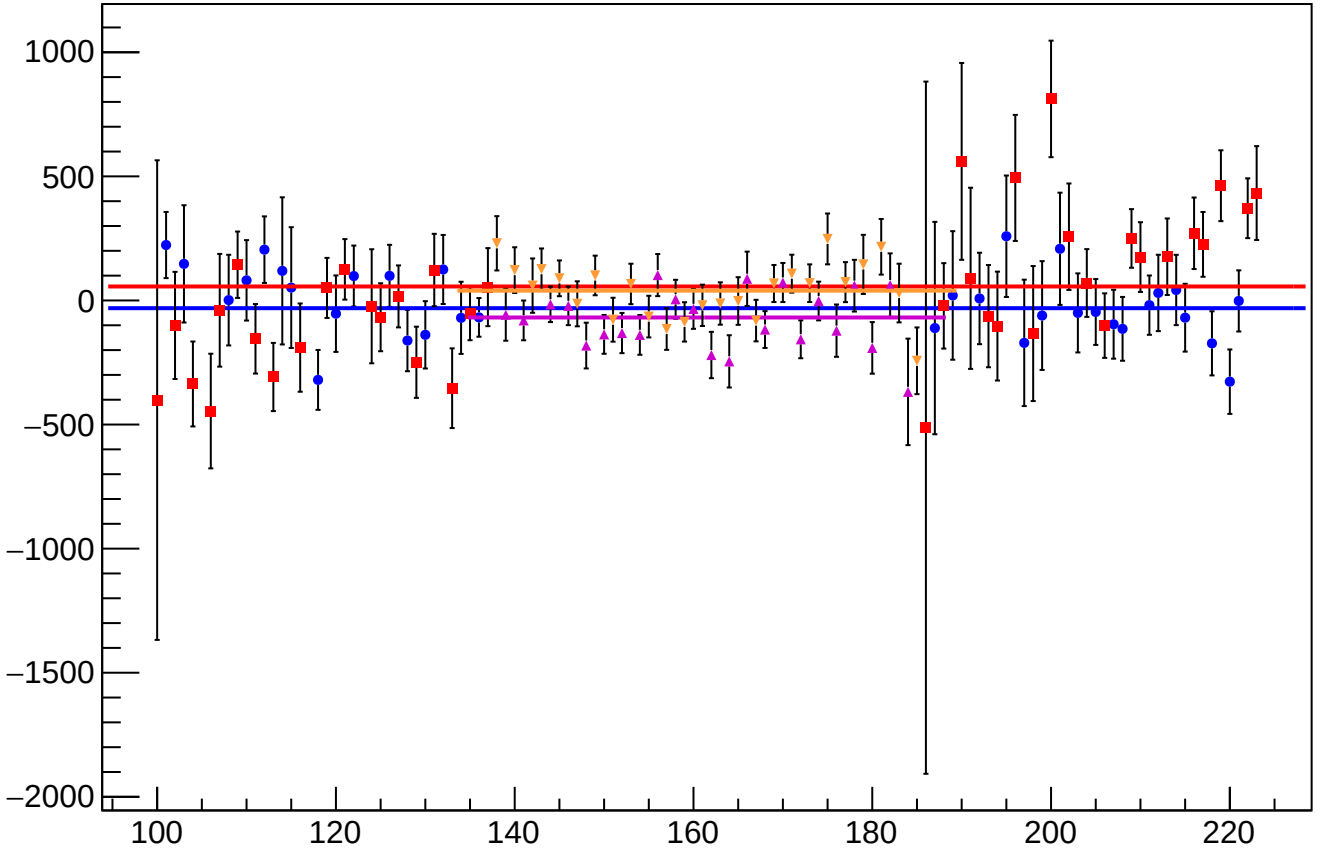
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 834.112+/-0.102 χ^2/NDF: 15210647.2/58

All: 838.617+/-0.073 χ^2/NDF: 31631429.4/12

- sign 843.327+/-0.104 χ^2/NDF: 16416778.7/61

cor_asym_sam_2468_avg_mean vs Slug



Right In: -31.121+/-25.138 χ^2/NDF: 30.0/33

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 56.349+/-25.708 χ^2/NDF: 82.1/38

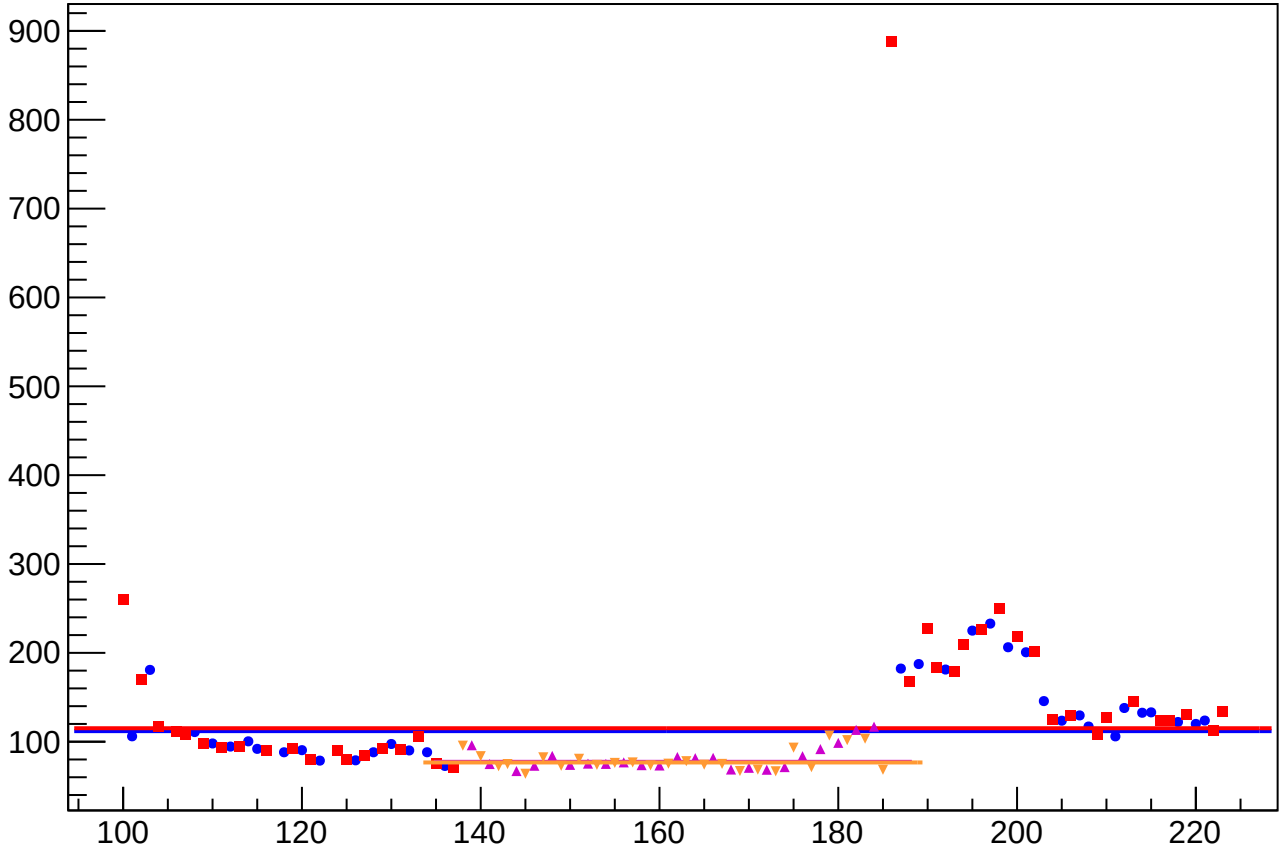
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 16.142+/-14.454 χ^2/NDF: 67.3/58

All: -4.525+/-10.381 χ^2/NDF: 198.3/120

- sign -26.539+/-14.918 χ^2/NDF: 126.8/61

cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.905+/-0.018 χ^2/NDF: 3743625.6/33

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

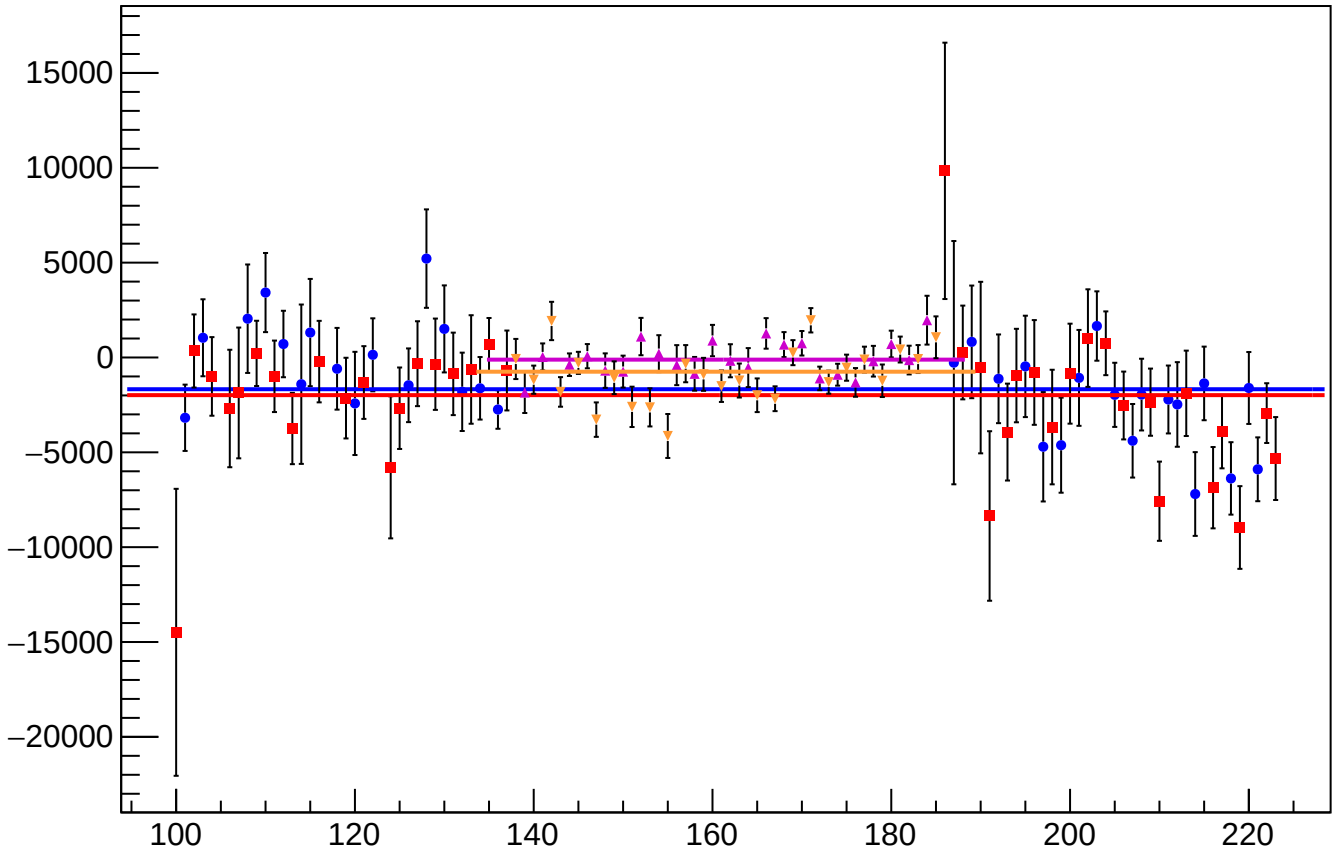
Right Out: 115.162+/-0.018 χ^2/NDF: 4790569.1/38

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 88.303+/-0.010 χ^2/NDF: 7032037.0/58

All: 89.164+/-0.007 χ^2/NDF: 15297829.2/120

- sign 90.081+/-0.011 χ^2/NDF: 8251130.6/61



Right In: -1673.340+/-349.075 χ^2/NDF: 52.2/33

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1985.340+/-355.629 χ^2/NDF: 52.6/38

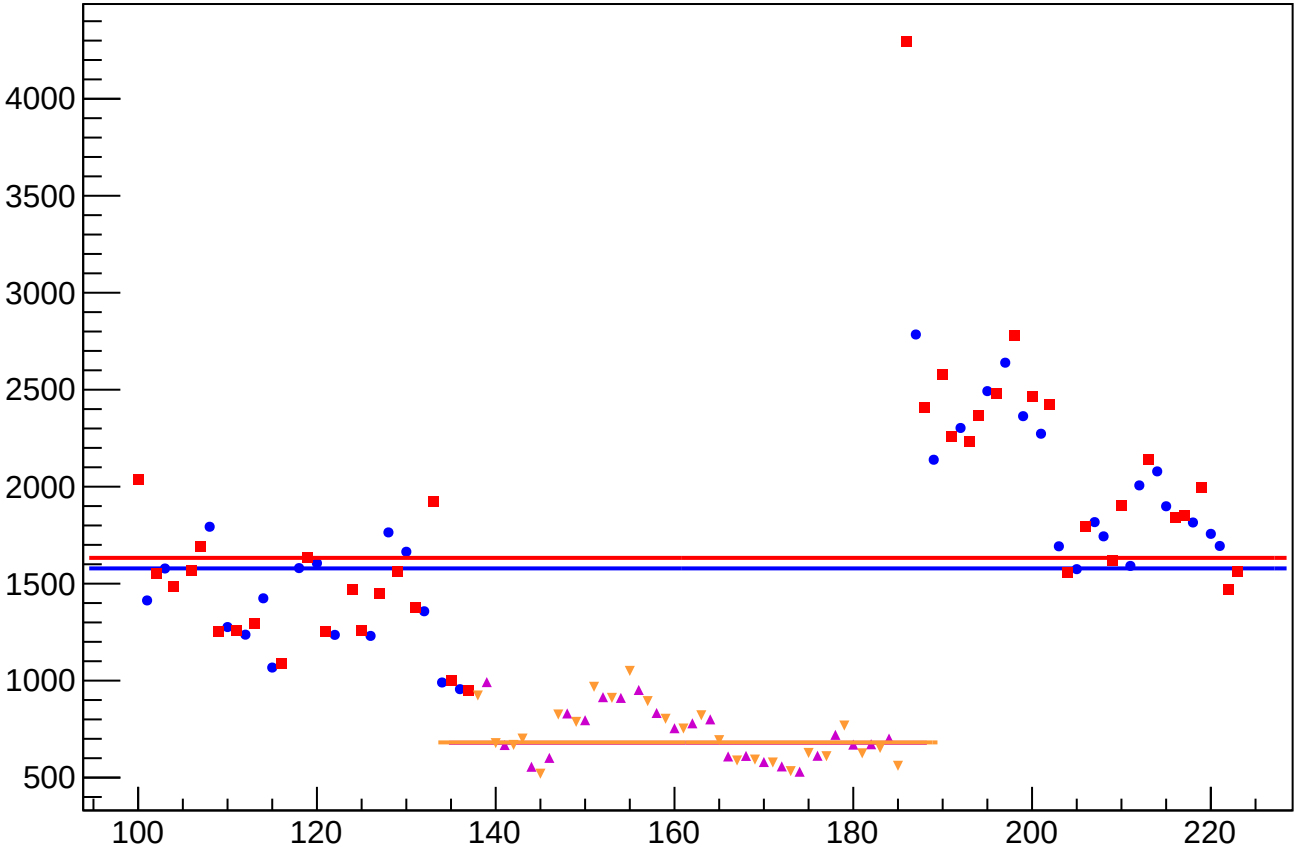
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

\+ sign -906.828+/-144.003 χ^2/NDF: 128.0/58

All: -676.121+/-102.965 χ^2/NDF: 233.8/120

\- sign -434.793+/-147.281 χ^2/NDF: 100.6/61

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1578.633+/-0.247 χ^2/NDF: 2912693.5/33

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1632.889+/-0.251 χ^2/NDF: 3279544.3/38

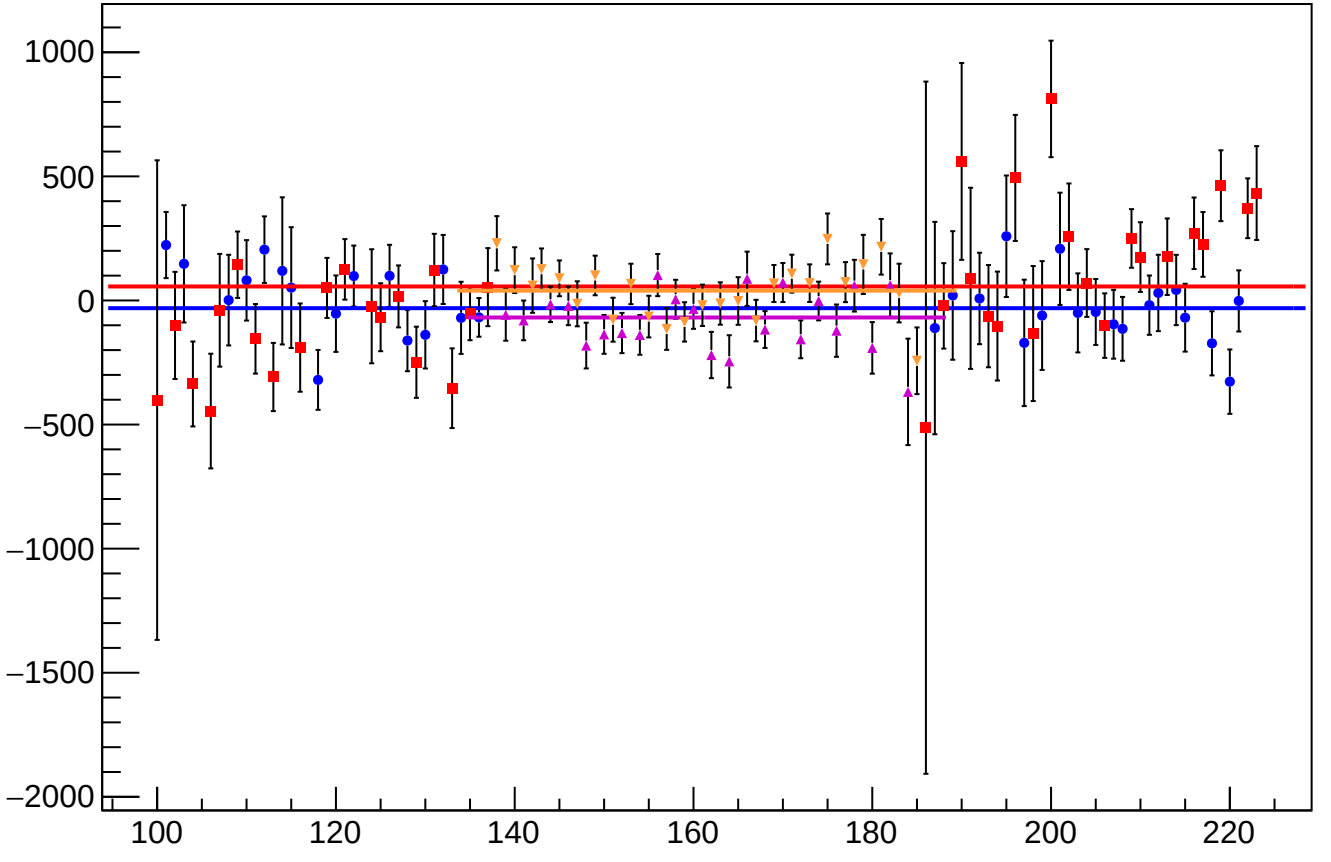
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 834.112+/-0.102 χ^2/NDF: 15210697.5/58

All: 838.430+/-0.073 χ^2/NDF: 31589953.7/12

- sign 842.947+/-0.104 χ^2/NDF: 16375576.5/61

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -31.121+/-25.138 χ^2/NDF: 30.0/33

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 56.349+/-25.708 χ^2/NDF: 82.1/38

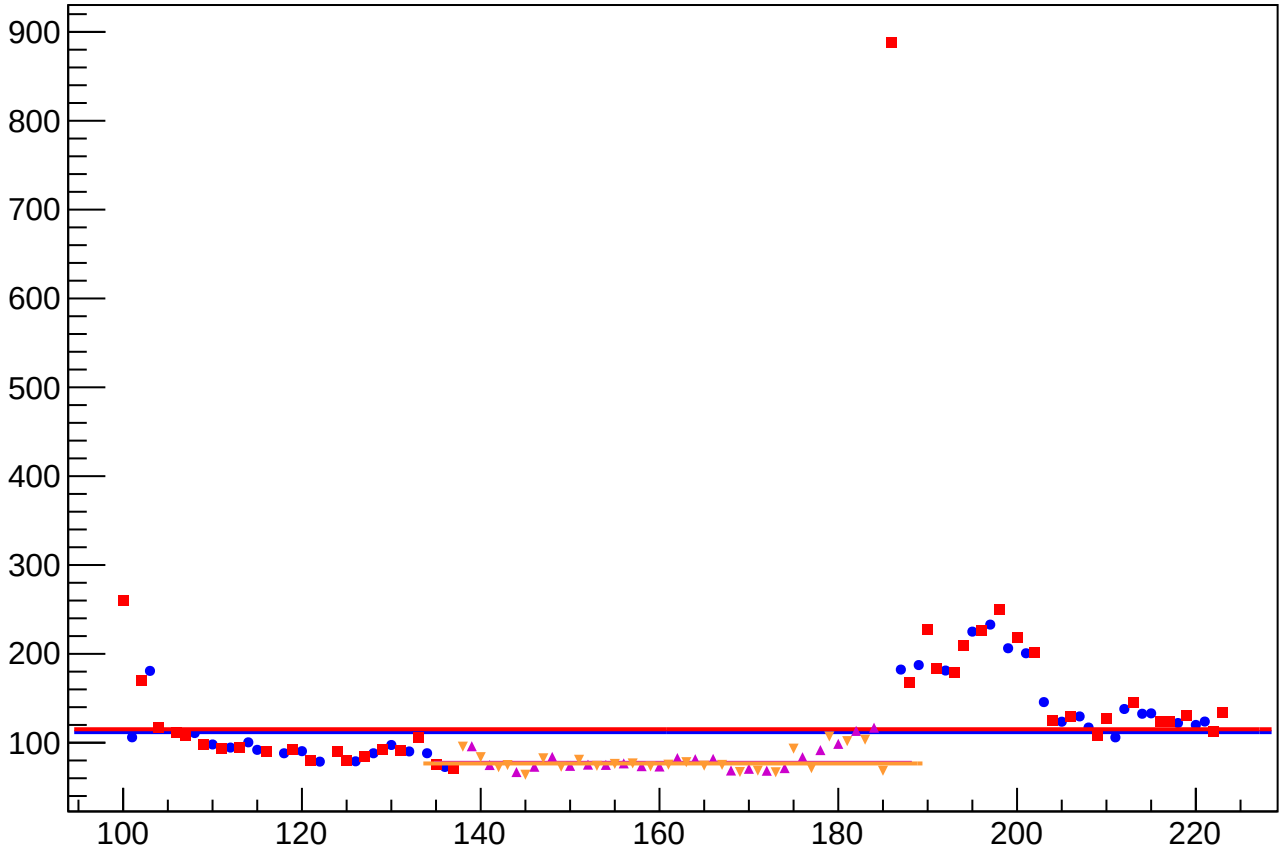
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 16.142+/-14.454 χ^2/NDF: 67.3/58

All: -4.525+/-10.381 χ^2/NDF: 198.3/120

- sign -26.539+/-14.918 χ^2/NDF: 126.8/61

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.905+/-0.018 χ^2/NDF: 3743625.6/33

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

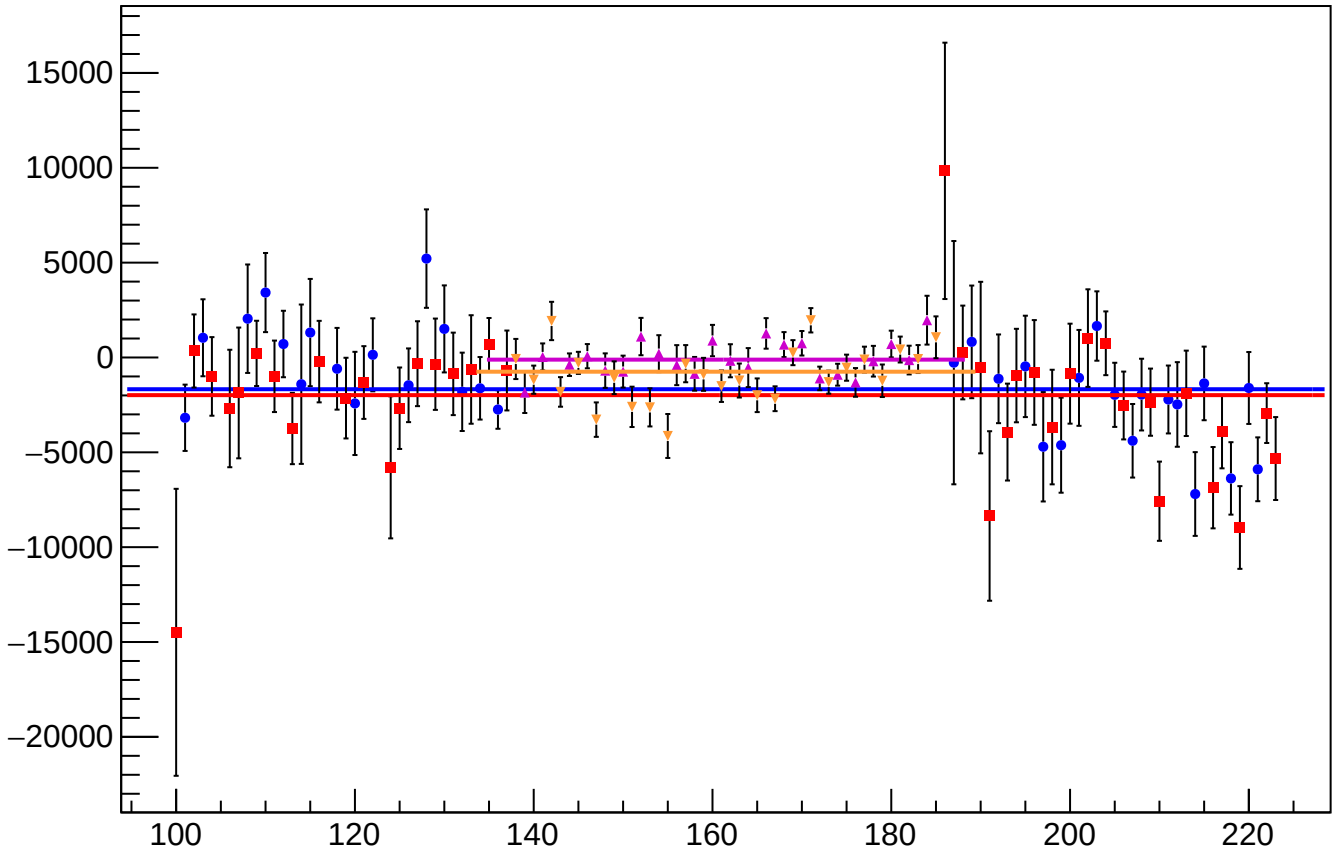
Right Out: 115.162+/-0.018 χ^2/NDF: 4790569.1/38

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 88.303+/-0.010 χ^2/NDF: 7032037.0/58

All: 89.164+/-0.007 χ^2/NDF: 15297829.2/120

- sign 90.081+/-0.011 χ^2/NDF: 8251130.6/61



Right In: -1673.340+/-349.075 χ^2/NDF: 52.2/33

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

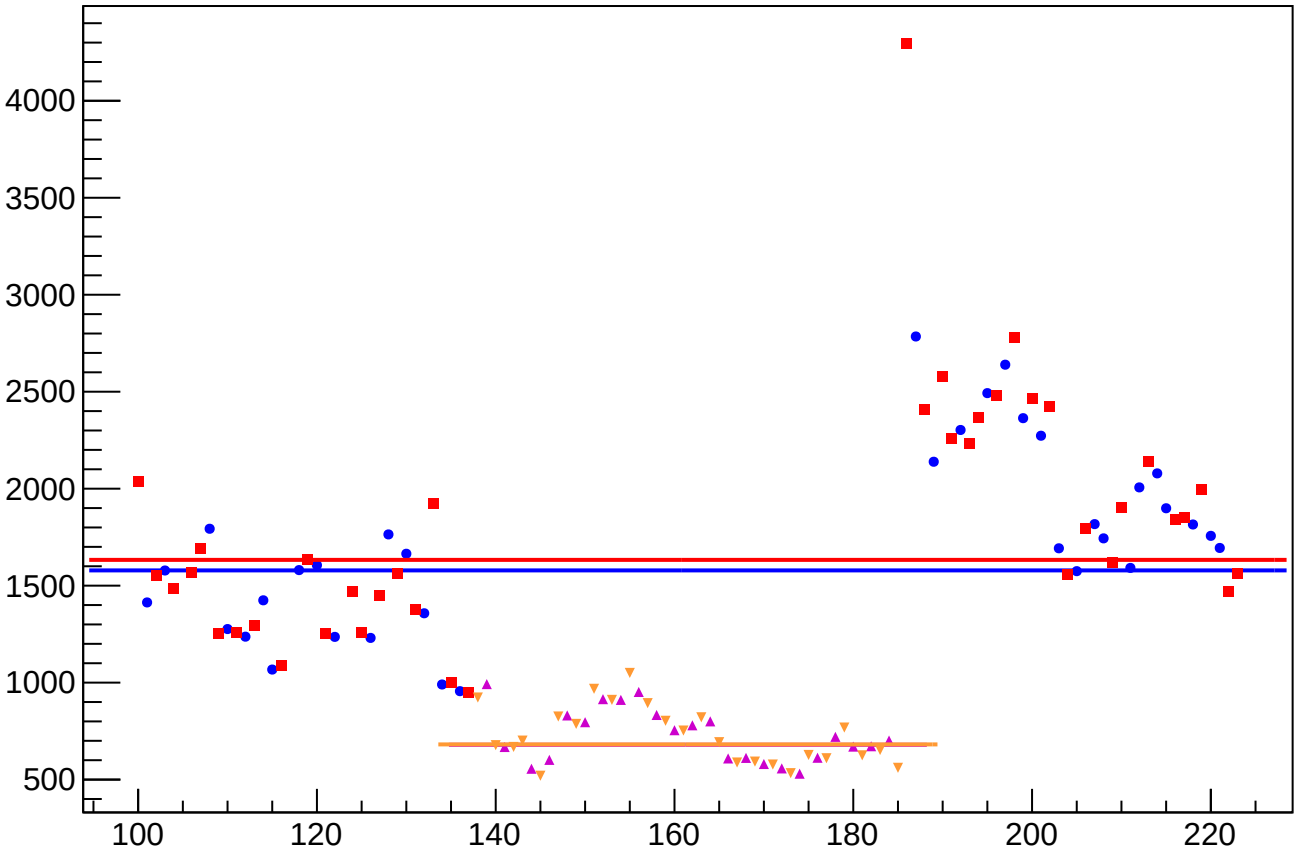
Right Out: -1985.340+/-355.629 χ^2/NDF: 52.6/38

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -906.828+/-144.003 χ^2/NDF: 128.0/58

All: -676.121+/-102.965 χ^2/NDF: 233.8/120

- sign -434.793+/-147.281 χ^2/NDF: 100.6/61



Right In: 1578.633+/-0.247 χ^2/NDF: 2912693.5/33

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1632.889+/-0.251 χ^2/NDF: 3279544.3/38

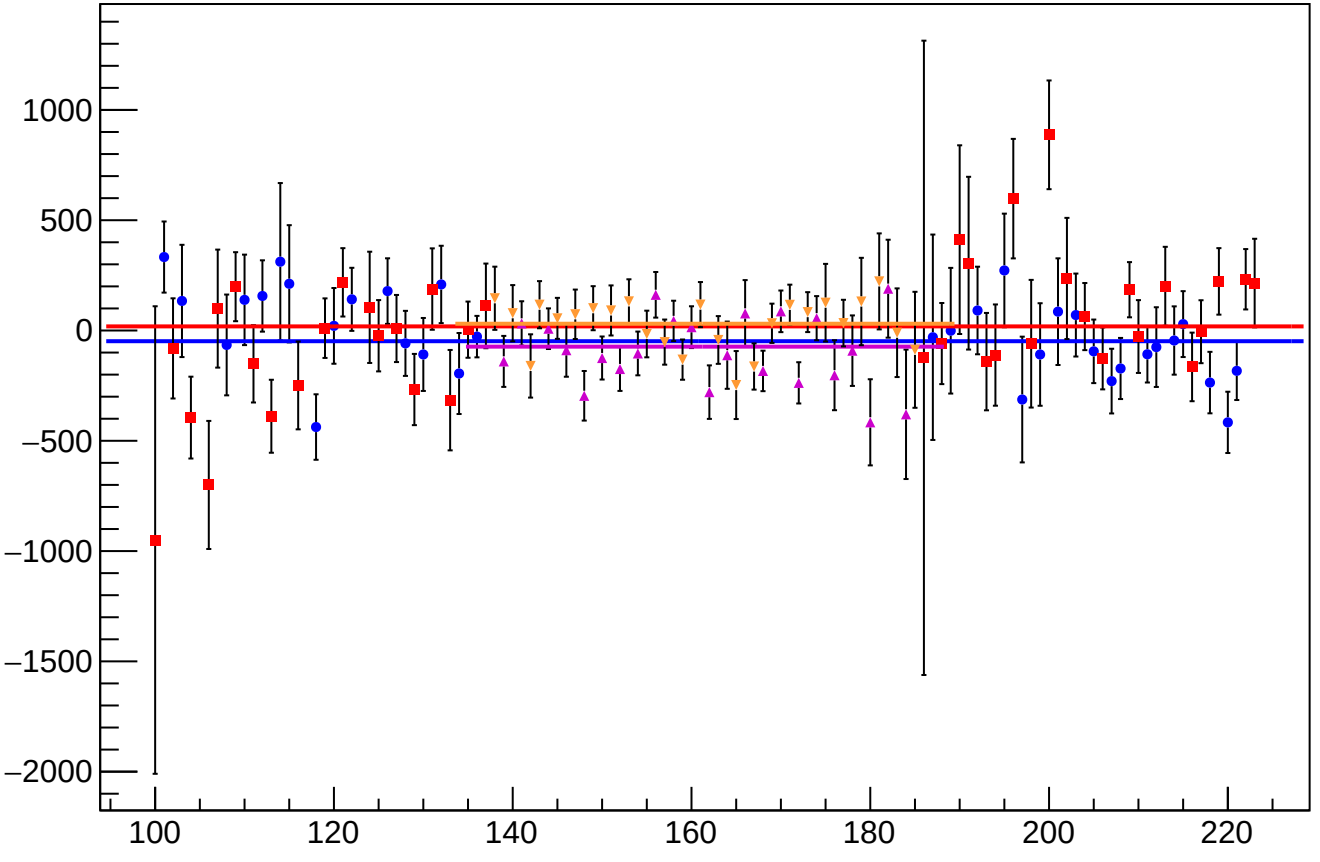
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 834.112+/-0.102 χ^2/NDF: 15210697.5/58

All: 838.430+/-0.073 χ^2/NDF: 31589953.7/12

- sign 842.947+/-0.104 χ^2/NDF: 16375576.5/61

dit_asym_sam_2468_avg_mean vs Slug



Right In: -48.503+/-28.776 χ^2/NDF: 41.1/33

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 18.646+/-29.422 χ^2/NDF: 61.4/38

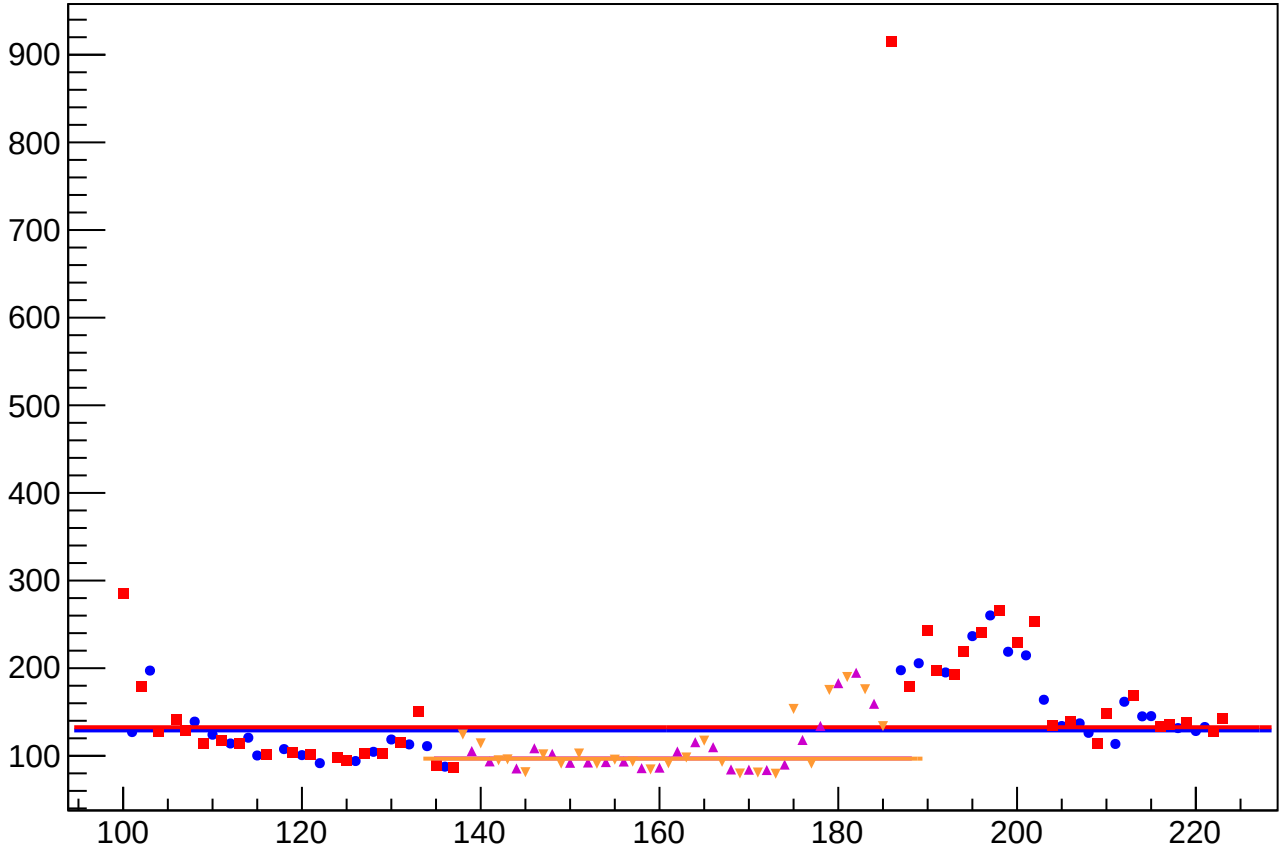
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 0.053+/-17.897 χ^2/NDF: 65.7/58

All: -18.177+/-12.818 χ^2/NDF: 169.7/120

- sign -37.376+/-18.367 χ^2/NDF: 101.8/61

dit_asym_sam_2468_avg_rms vs Slug



Right In: 129.004+/-0.020 χ^2/NDF: 2971717.6/33

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.635+/-0.021 χ^2/NDF: 4030516.4/38

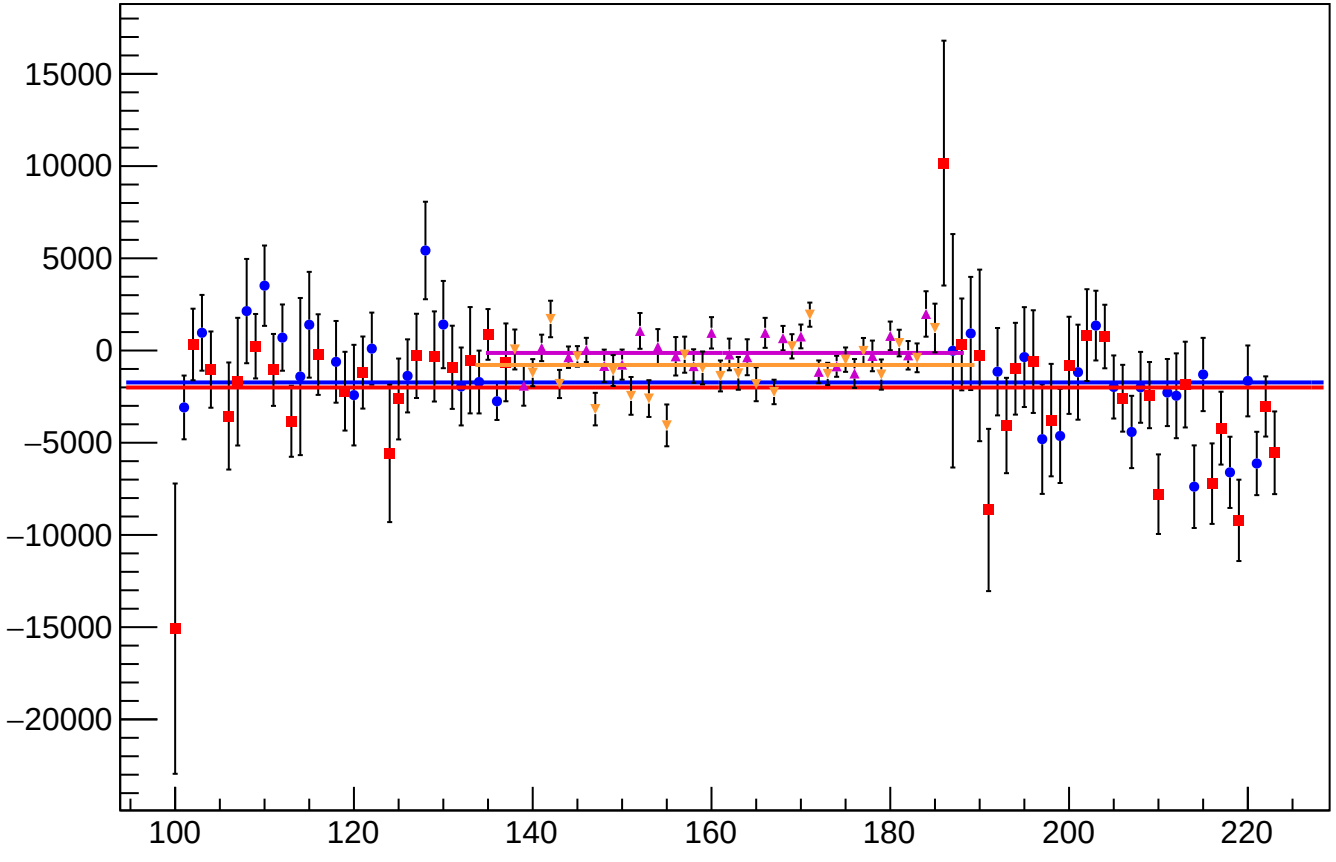
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 109.254+/-0.013 χ^2/NDF: 6228622.6/58

All: 110.054+/-0.009 χ^2/NDF: 13377401.8/12

- sign 110.897+/-0.013 χ^2/NDF: 7140571.0/61

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -1730.522+/-354.701 χ^2/NDF: 52.0/33

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -2004.184+/-360.102 χ^2/NDF: 55.7/38

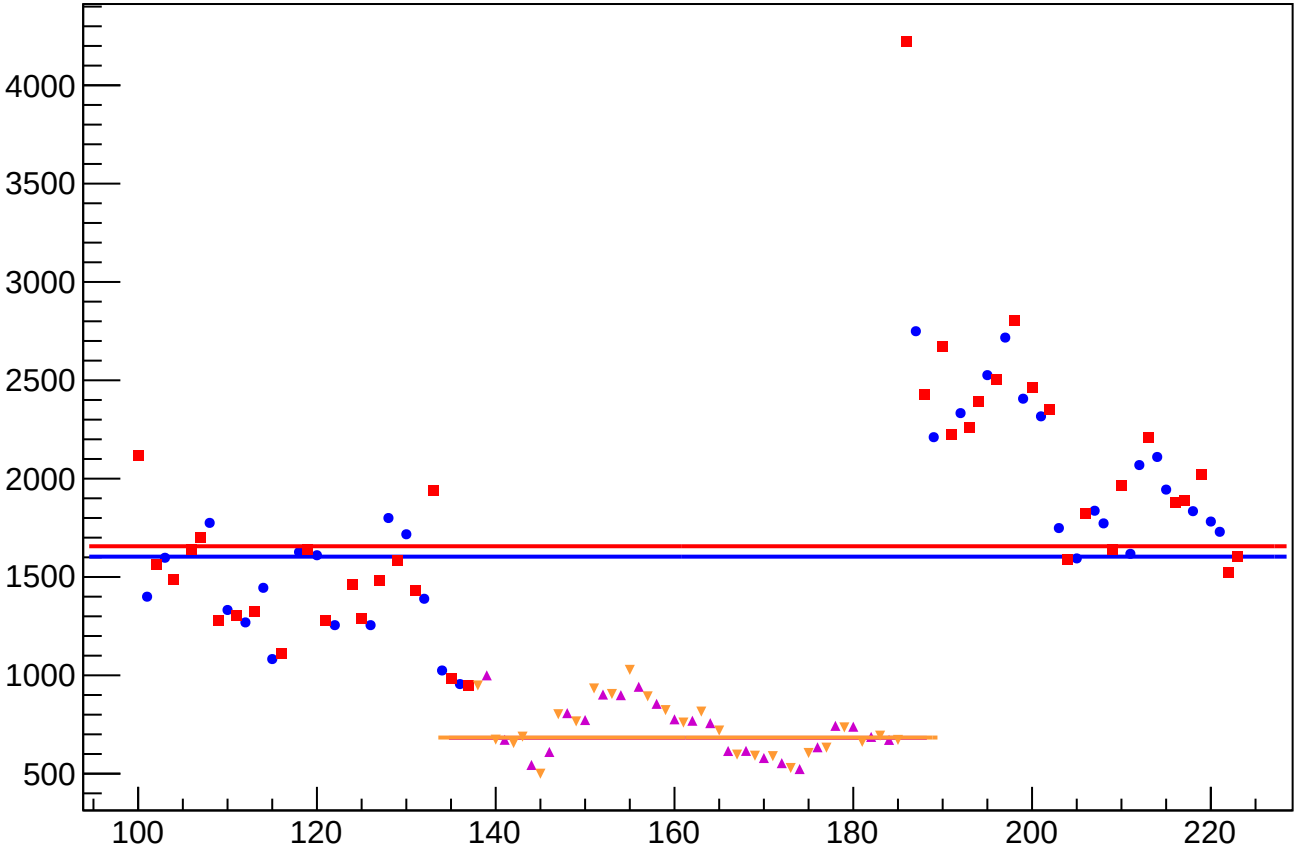
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -941.056+/-144.579 χ^2/NDF: 124.3/58

All: -700.342+/-103.438 χ^2/NDF: 232.4/120

- sign -447.936+/-148.049 χ^2/NDF: 102.4/61

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1603.436+/-0.251 χ^2/NDF: 2966976.4/33

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1656.265+/-0.255 χ^2/NDF: 3271219.9/38

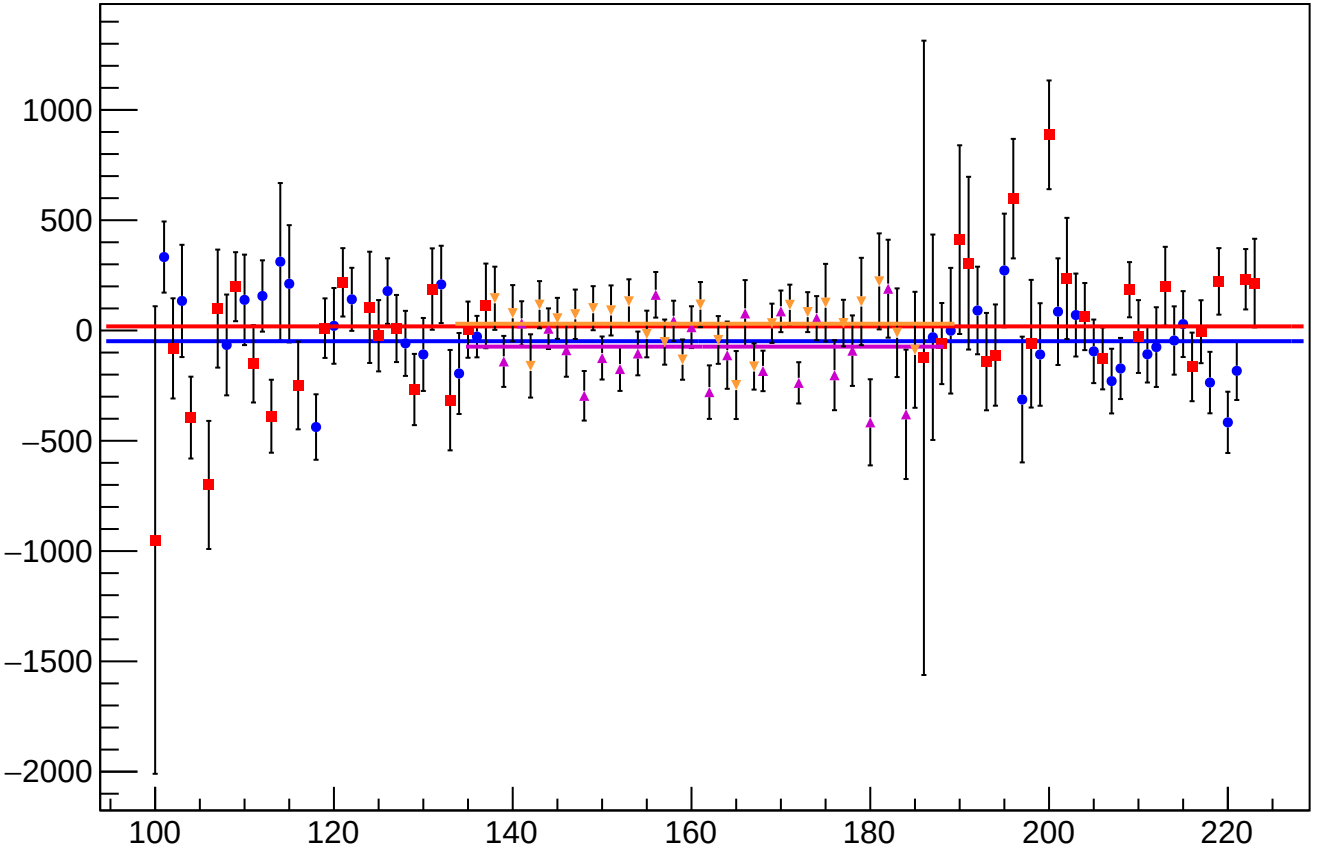
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 836.507+/-0.102 χ^2/NDF: 15478021.9/58

All: 841.456+/-0.073 χ^2/NDF: 32106365.9/12

- sign 846.646+/-0.105 χ^2/NDF: 16623542.9/61

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -48.500+/-28.776 χ^2/NDF: 41.1/33

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 18.648+/-29.422 χ^2/NDF: 61.4/38

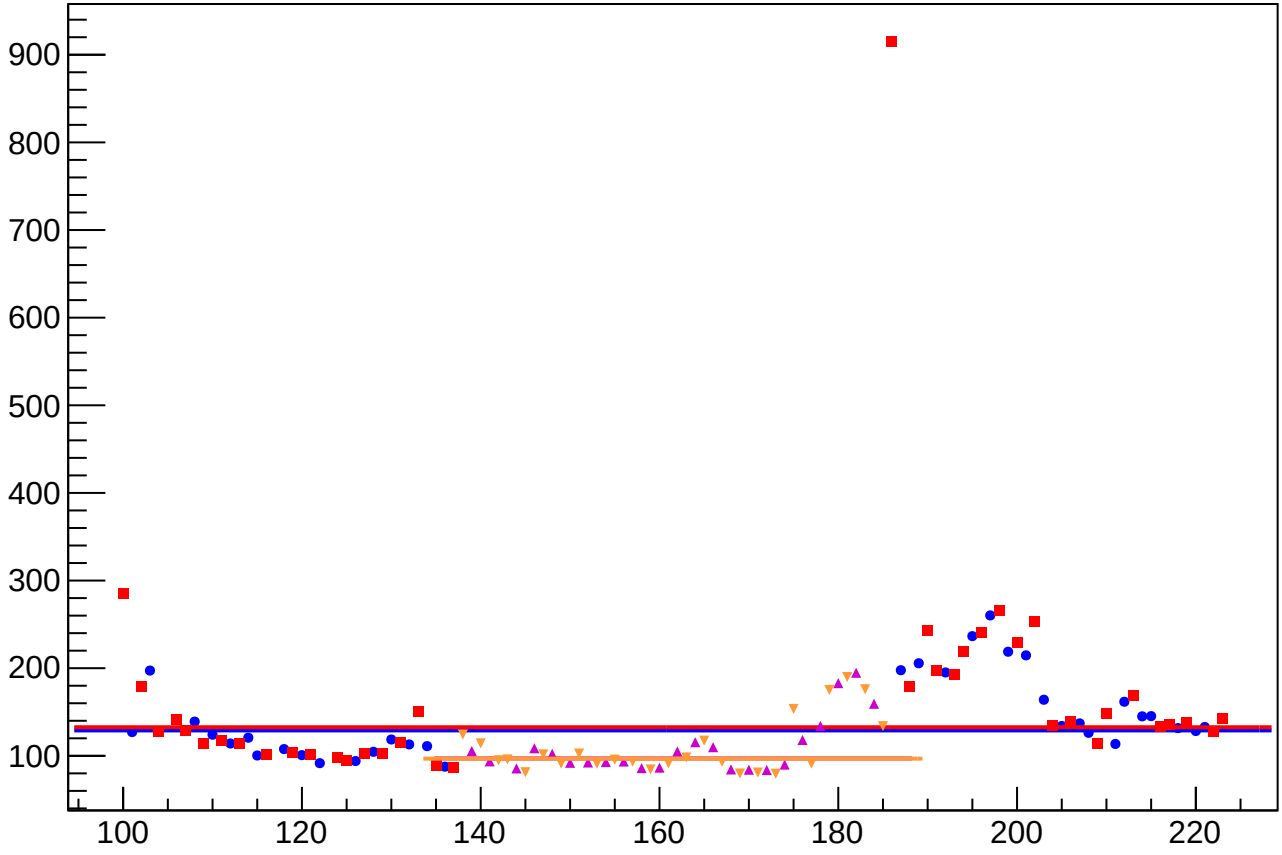
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 0.054+/-17.897 χ^2/NDF: 65.7/58

All: -18.176+/-12.818 χ^2/NDF: 169.7/120

- sign -37.375+/-18.367 χ^2/NDF: 101.8/61

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 129.004+/-0.020 χ^2/NDF: 2971736.2/33

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

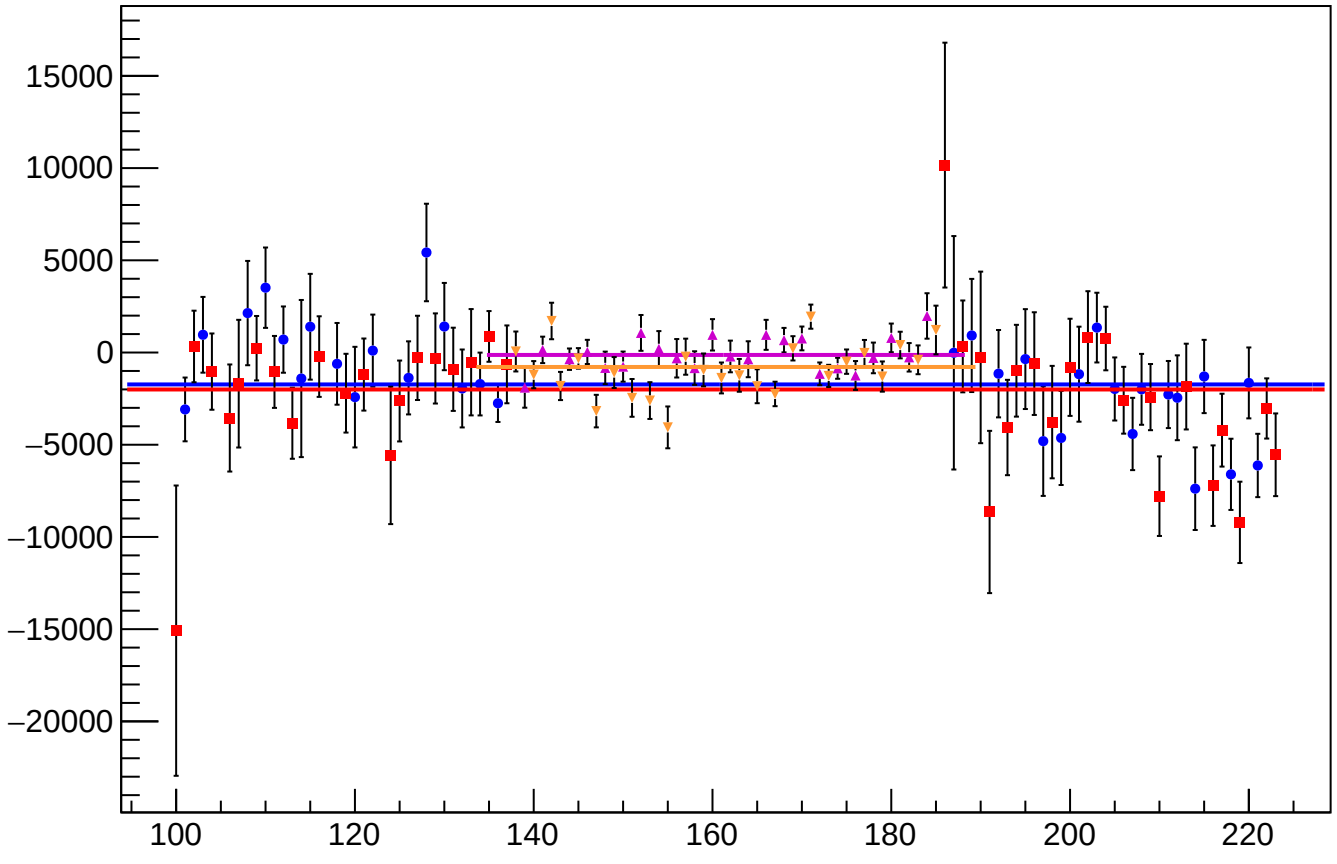
Right Out: 132.634+/-0.021 χ^2/NDF: 4030547.5/38

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 109.254+/-0.013 χ^2/NDF: 6228559.7/58

All: 110.054+/-0.009 χ^2/NDF: 13377275.8/12

- sign 110.897+/-0.013 χ^2/NDF: 7140507.5/61



Right In: -1730.516+/-354.700 χ^2/NDF: 52.0/33

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: -2004.180+/-360.101 χ^2/NDF: 55.7/38

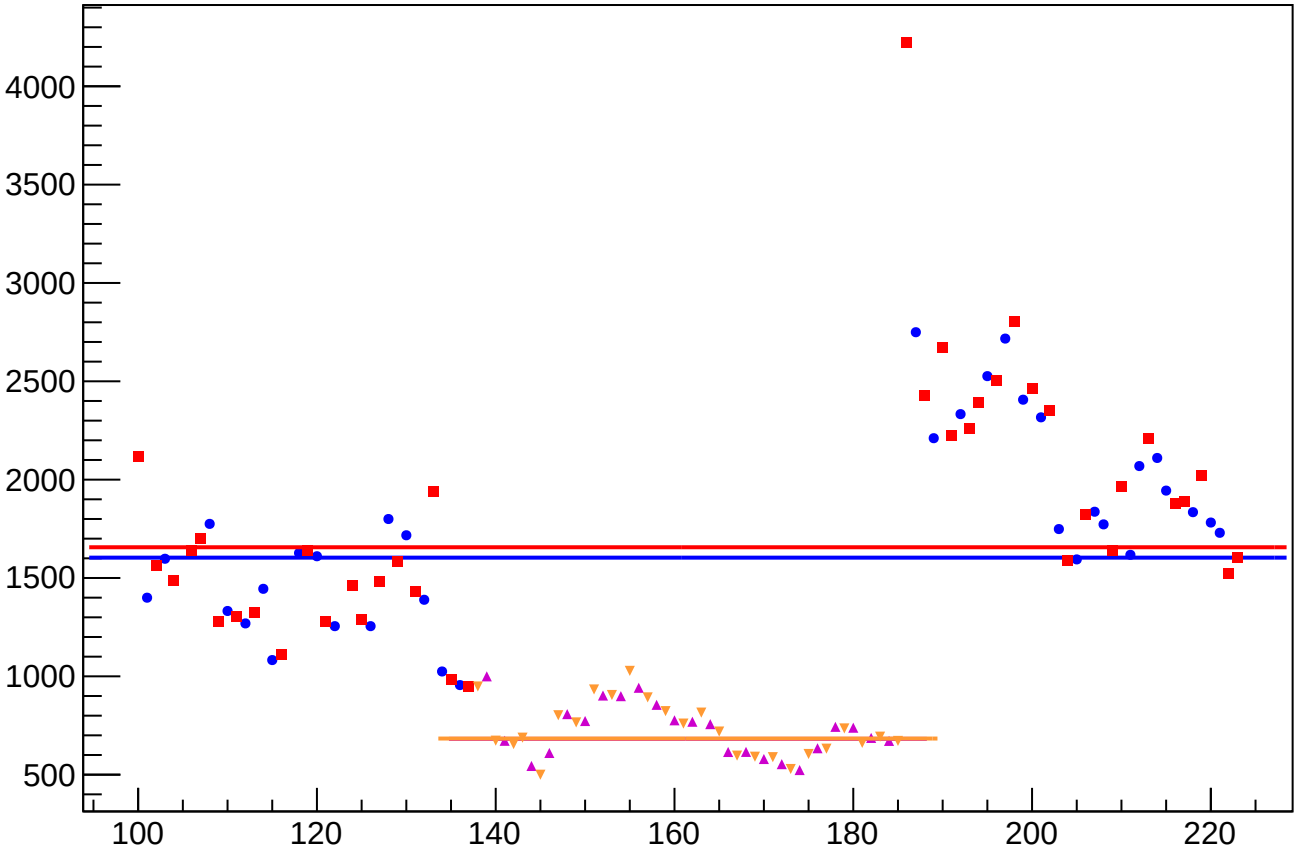
Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -941.053+/-144.579 χ^2/NDF: 124.3/58

All: -700.340+/-103.437 χ^2/NDF: 232.4/120

- sign -447.934+/-148.048 χ^2/NDF: 102.4/61

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1603.433+/-0.251 χ^2/NDF: 2966985.7/33

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1656.263+/-0.255 χ^2/NDF: 3271231.8/38

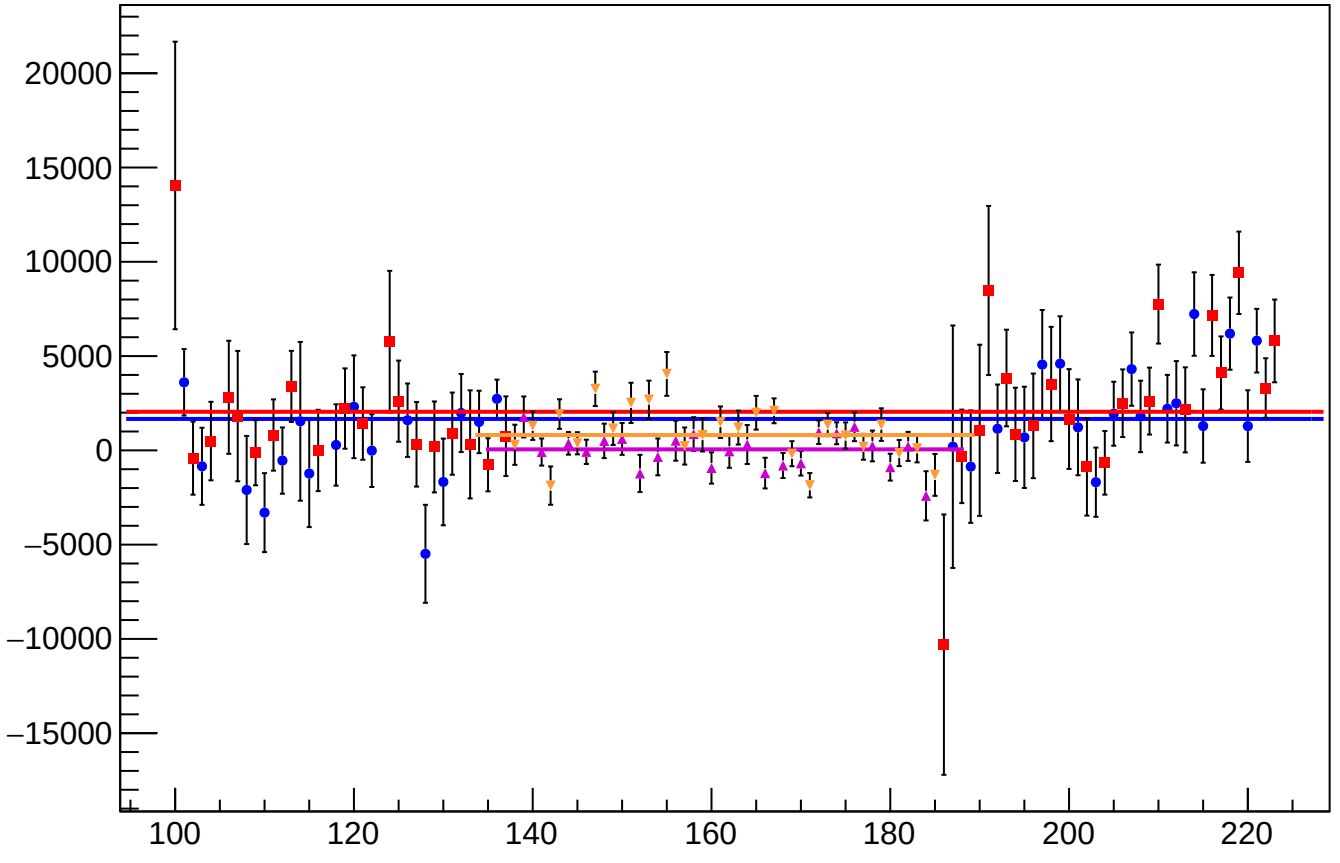
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 836.505+/-0.102 χ^2/NDF: 15478046.0/58

All: 841.454+/-0.073 χ^2/NDF: 32106414.7/12

- sign 846.644+/-0.105 χ^2/NDF: 16623567.7/61

asym_sam_2468_avg_mean vs Slug



Right In: 1666.624+/-350.238 χ^2/NDF: 51.6/33

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 2046.127+/-356.561 χ^2/NDF: 56.0/38

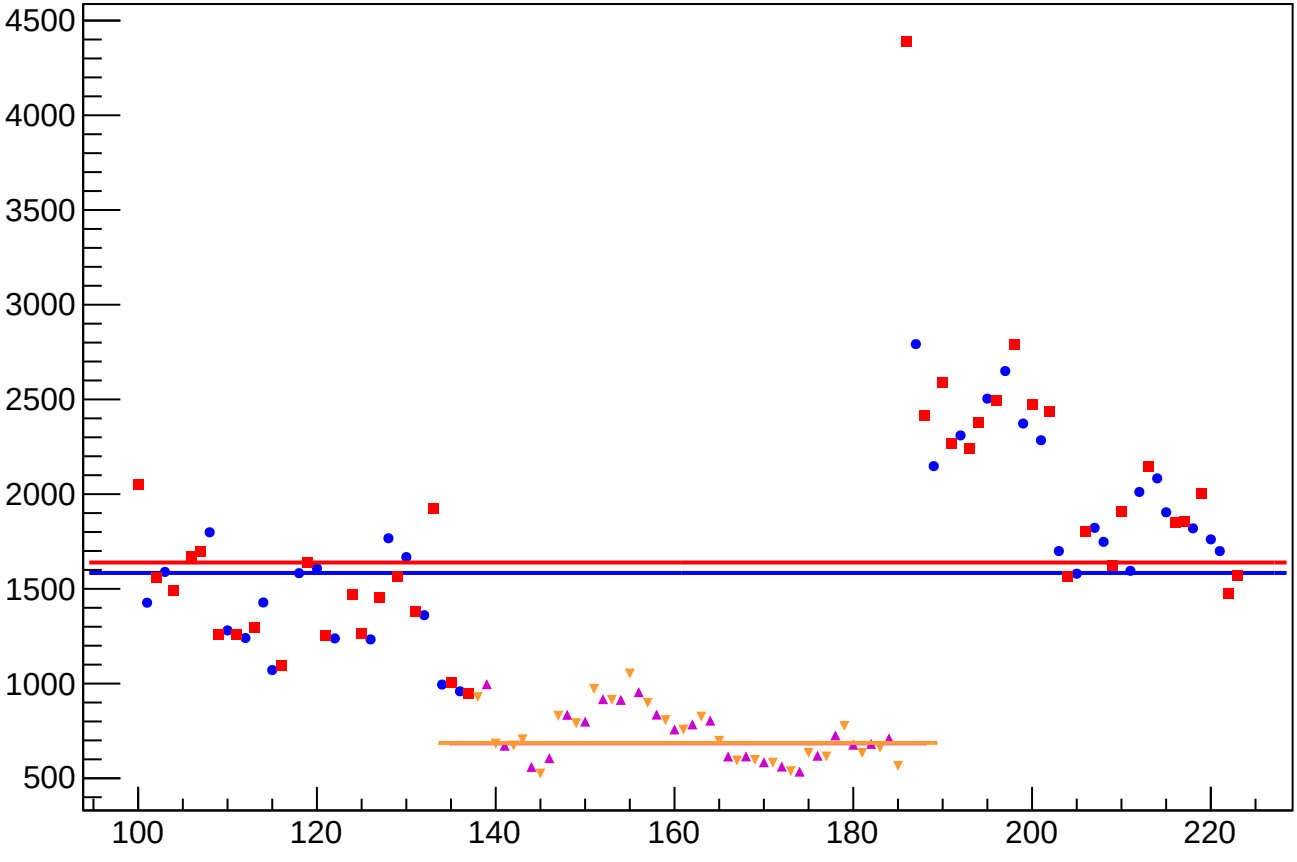
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 960.140+/-144.972 χ^2/NDF: 122.2/58

All: 684.935+/-103.658 χ^2/NDF: 236.8/120

- sign 397.064+/-148.271 χ^2/NDF: 107.2/61

asym_sam_2468_avg_rms vs Slug



Right In: 1583.952+/-0.248 χ^2/NDF: 2910689.3/33

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

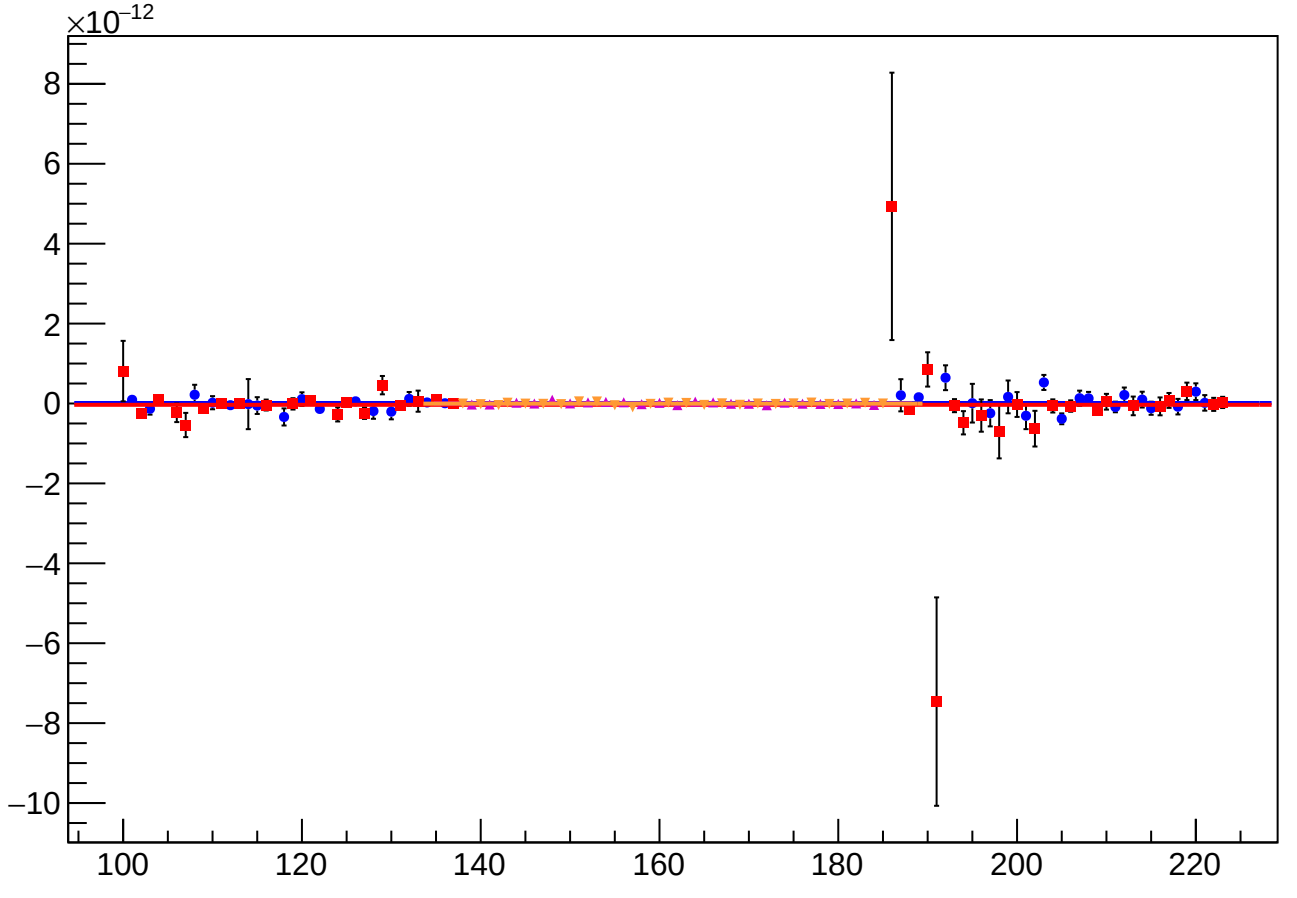
Right Out: 1639.061+/-0.252 χ^2/NDF: 3289403.1/38

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 840.430+/-0.103 χ^2/NDF: 15100005.3/58

All: 845.000+/-0.073 χ^2/NDF: 31407536.0/12

- sign 849.780+/-0.105 χ^2/NDF: 16303464.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 40.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

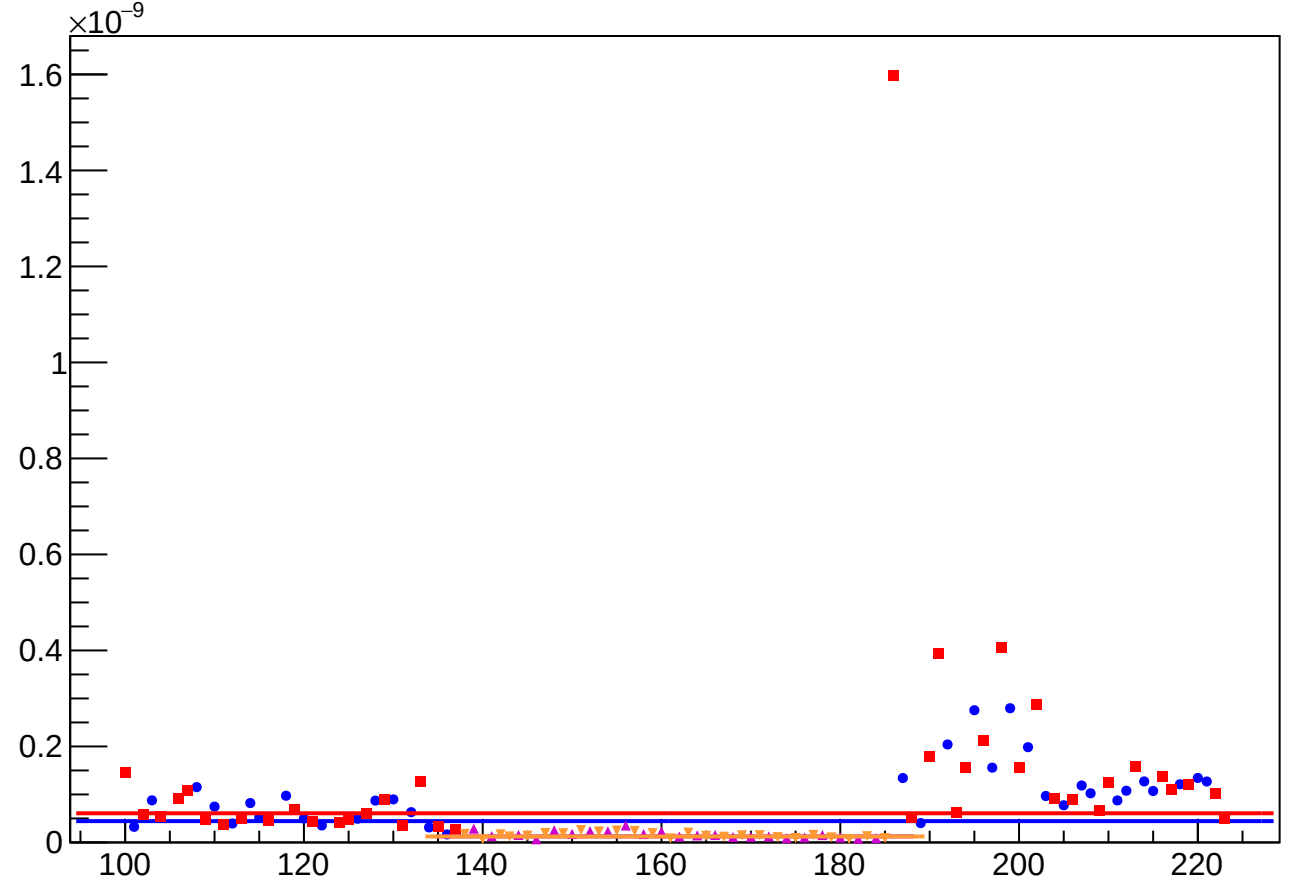
Right Out: -0.000+/-0.000 χ^2/NDF: 51.2/38

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.6/58

All: -0.000+/-0.000 χ^2/NDF: 131.1/120

- sign -0.000+/-0.000 χ^2/NDF: 73.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 8056366.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

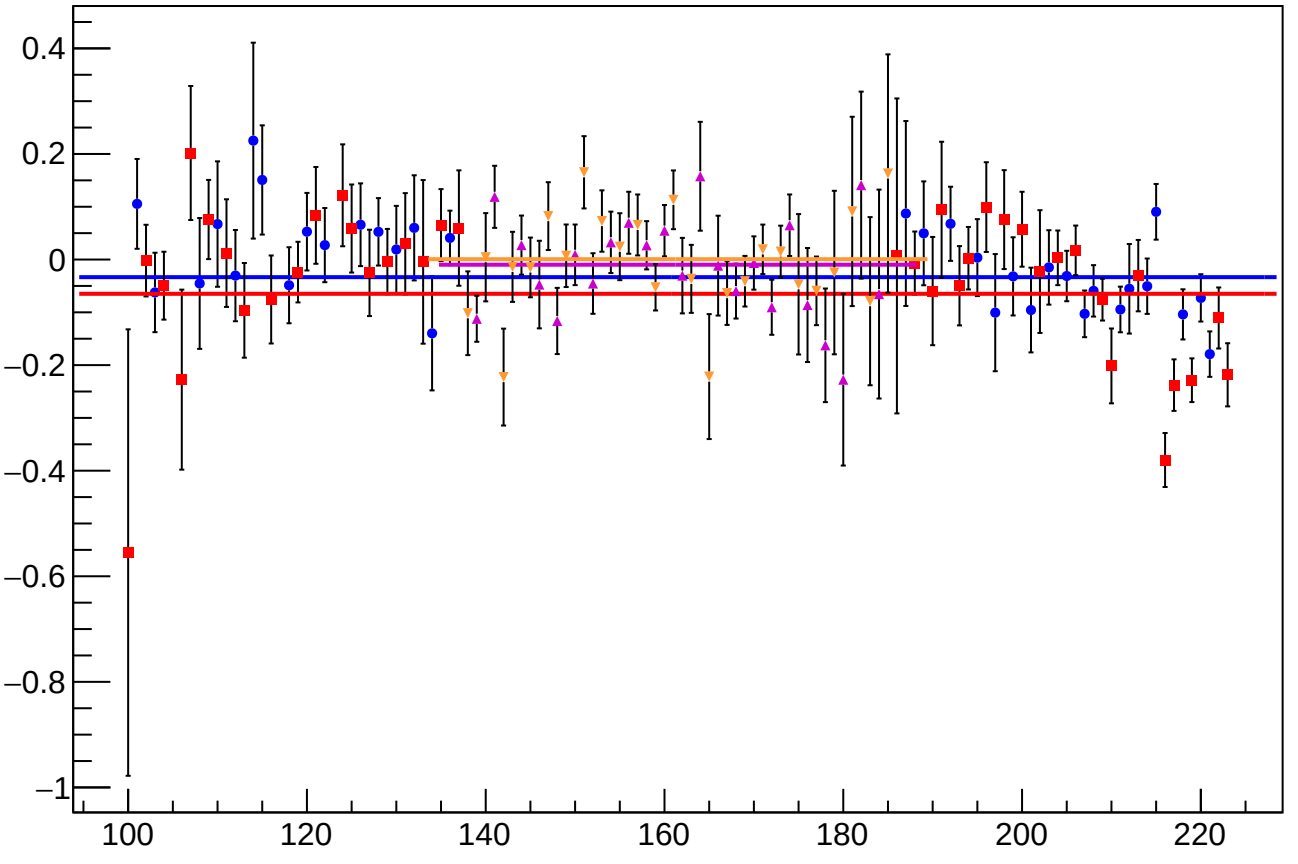
Right Out: 0.000+/-0.000 χ^2/NDF: 4900169.5/38

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14809452.4/58

All: 0.000+/-0.000 χ^2/NDF: 29547419.0/120

- sign 0.000+/-0.000 χ^2/NDF: 14731643.5/61



Right In: -0.033+/-0.011 χ^2/NDF: 48.0/33

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.065+/-0.011 χ^2/NDF: 123.3/38

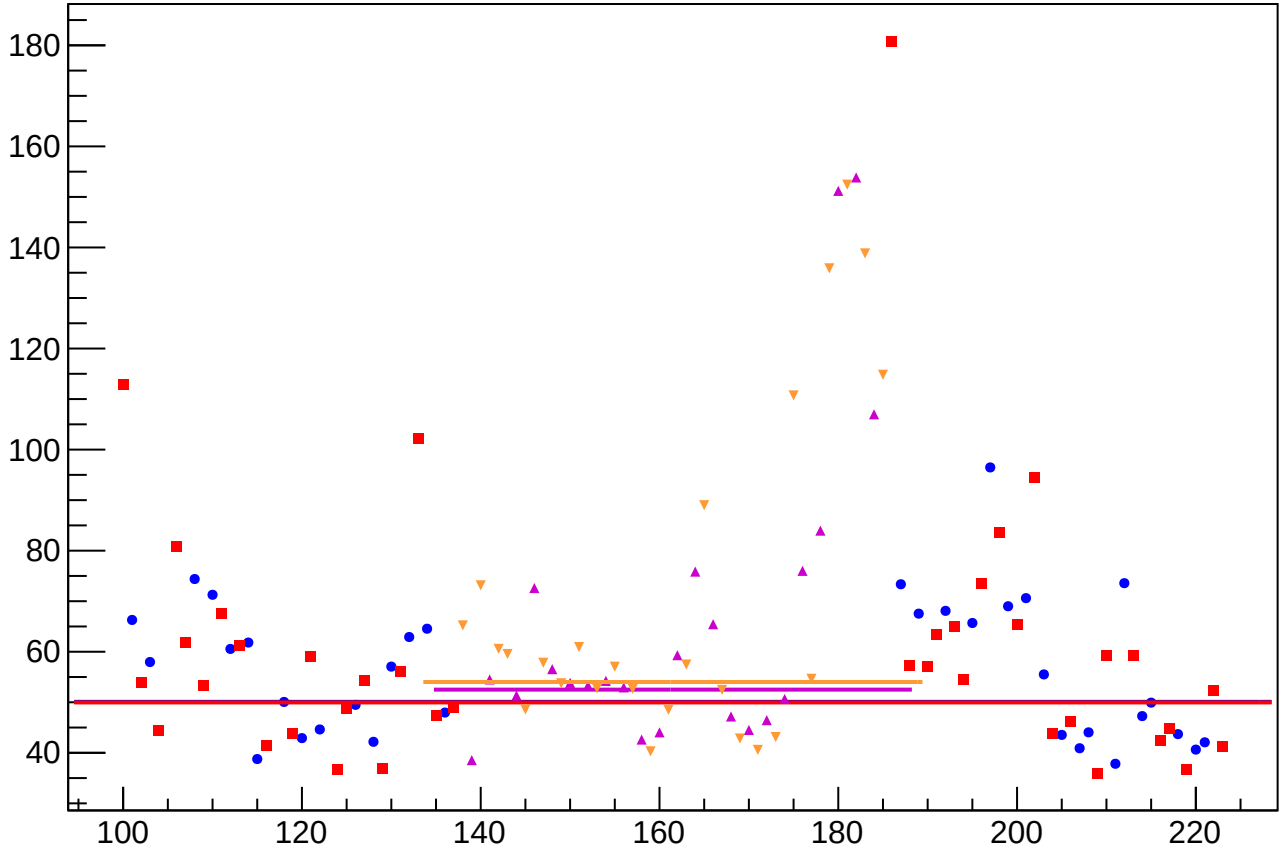
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.019+/-0.009 χ^2/NDF: 83.5/58

All: -0.030+/-0.006 χ^2/NDF: 252.3/120

- sign -0.042+/-0.009 χ^2/NDF: 165.3/61

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.085+/-0.008 χ^2/NDF: 2057298.8/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

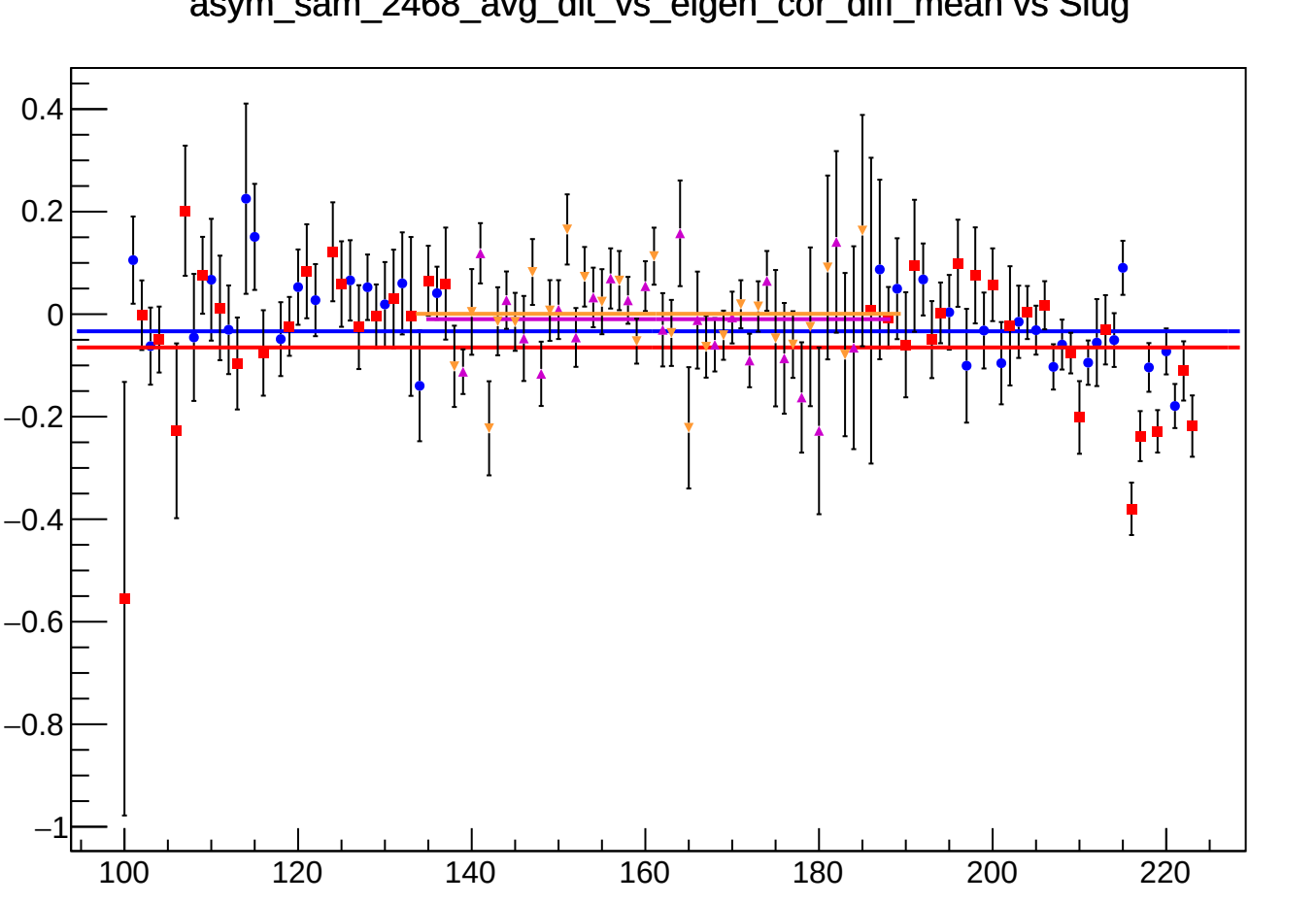
Right Out: 49.970+/-0.008 χ^2/NDF: 2695059.8/38

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 51.745+/-0.006 χ^2/NDF: 5386584.0/58

All: 51.387+/-0.004 χ^2/NDF: 10688894.8/120

- sign 51.032+/-0.006 χ^2/NDF: 5295410.0/61



Right In: -0.033+/-0.011 χ^2/NDF: 48.0/33

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

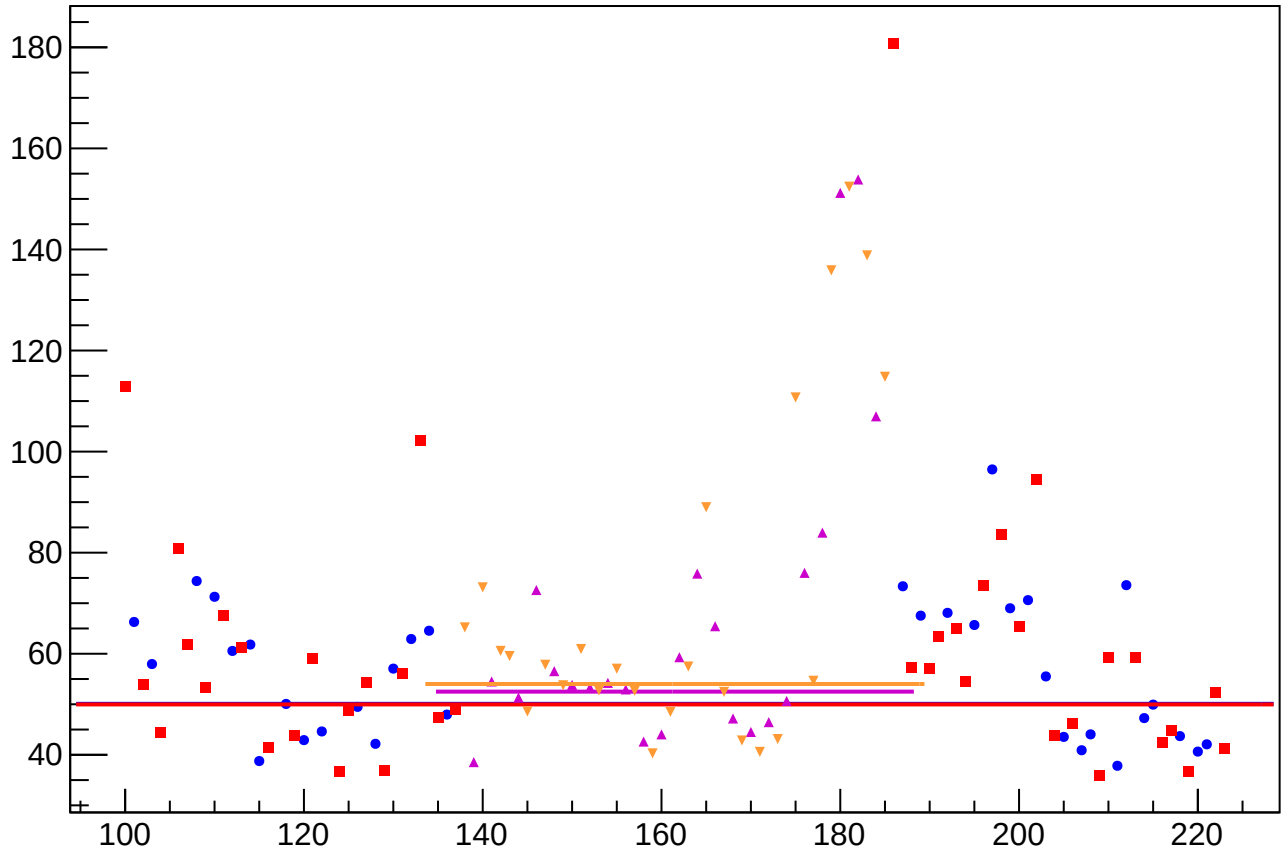
Right Out: -0.065+/-0.011 χ^2/NDF: 123.3/38

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.019+/-0.009 χ^2/NDF: 83.5/58

All: -0.030+/-0.006 χ^2/NDF: 252.3/120

- sign -0.042+/-0.009 χ^2/NDF: 165.3/61



Right In: 50.085+/-0.008 χ^2/NDF: 2057298.8/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

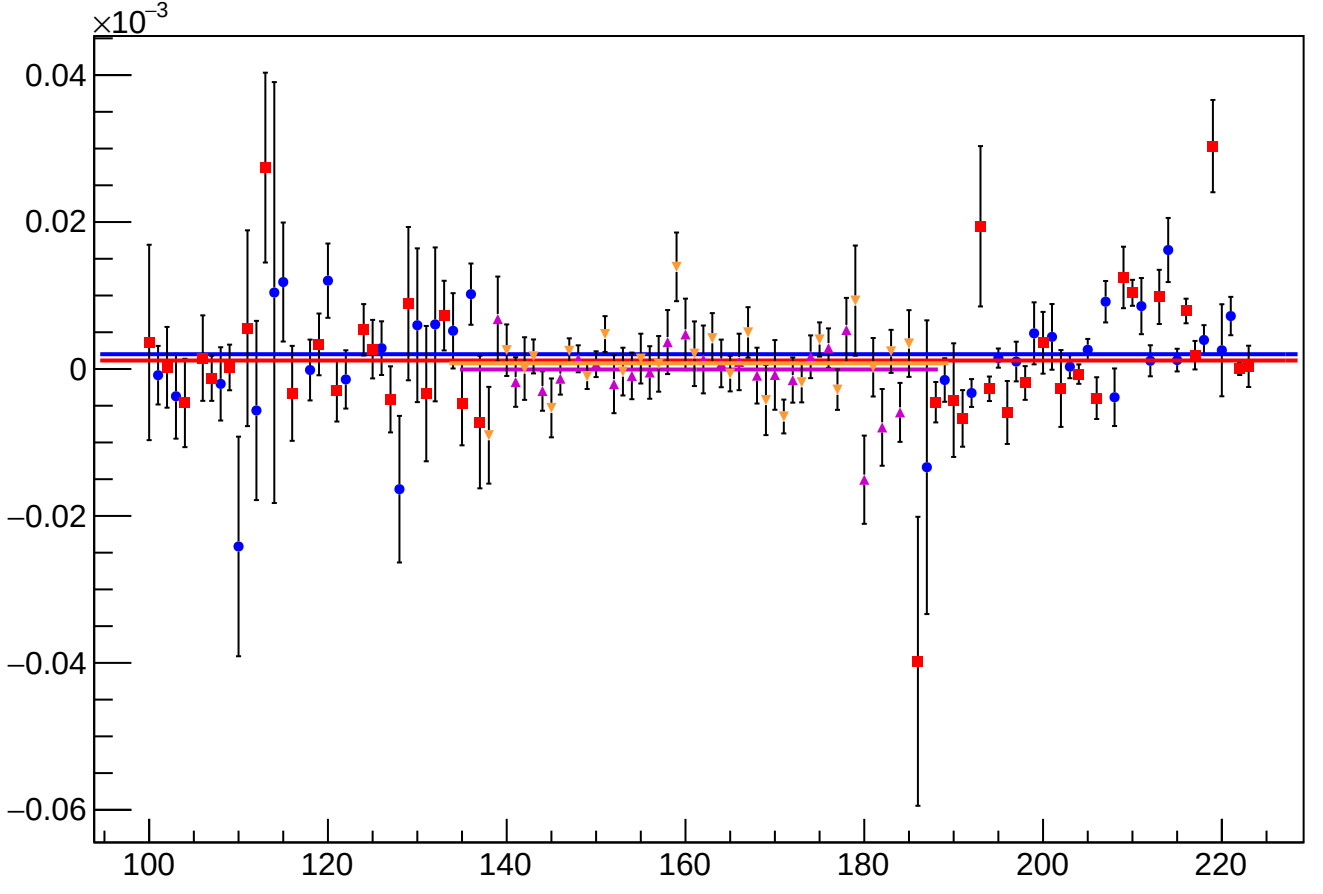
Right Out: 49.970+/-0.008 χ^2/NDF: 2695059.8/38

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

\+ sign 51.745+/-0.006 χ^2/NDF: 5386584.0/58

All: 51.387+/-0.004 χ^2/NDF: 10688894.8/120

\- sign 51.032+/-0.006 χ^2/NDF: 5295410.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 59.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

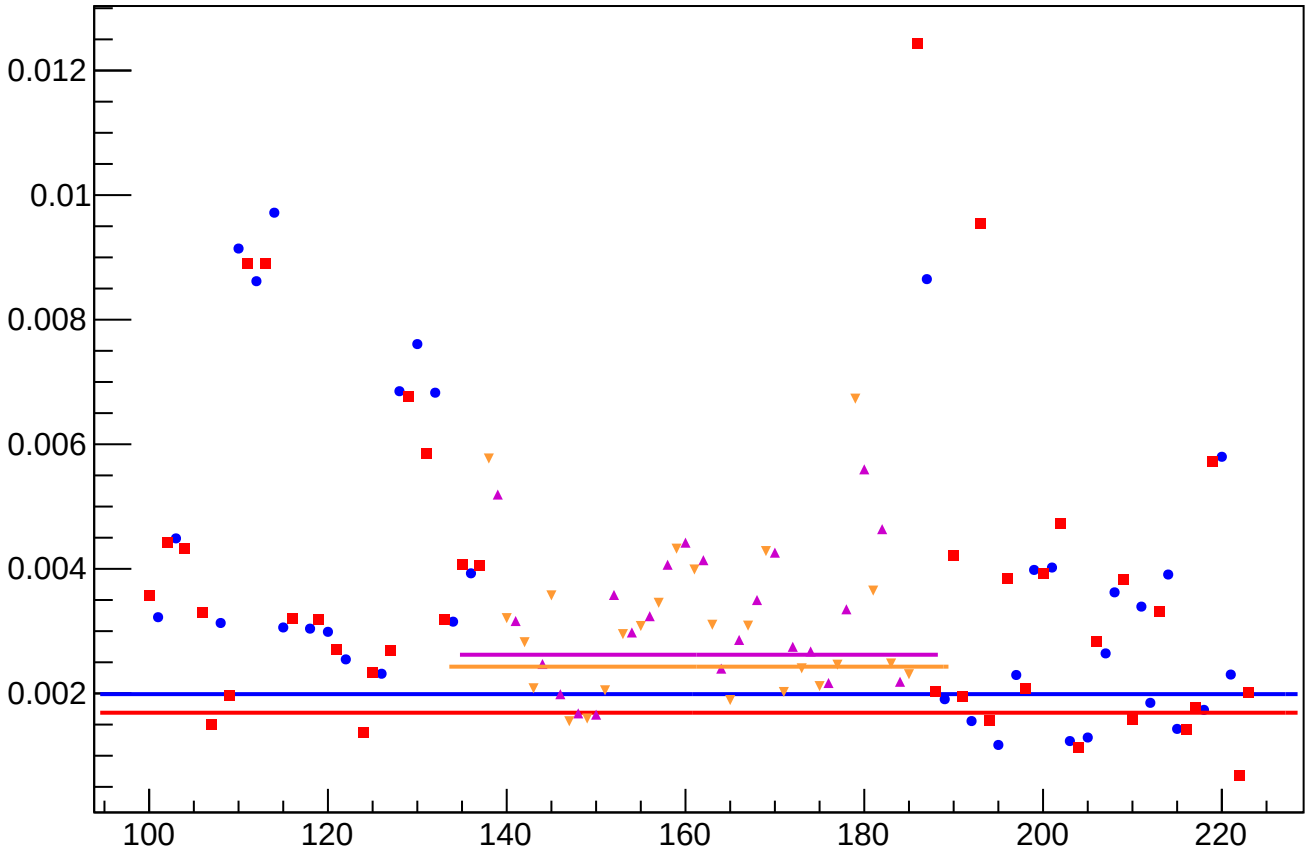
Right Out: 0.000+/-0.000 χ^2/NDF: 126.9/38

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 100.3/58

All: 0.000+/-0.000 χ^2/NDF: 251.6/120

- sign 0.000+/-0.000 χ^2/NDF: 149.5/61



Right In: 0.002+/-0.000 χ^2/NDF: 9265061.0/33

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

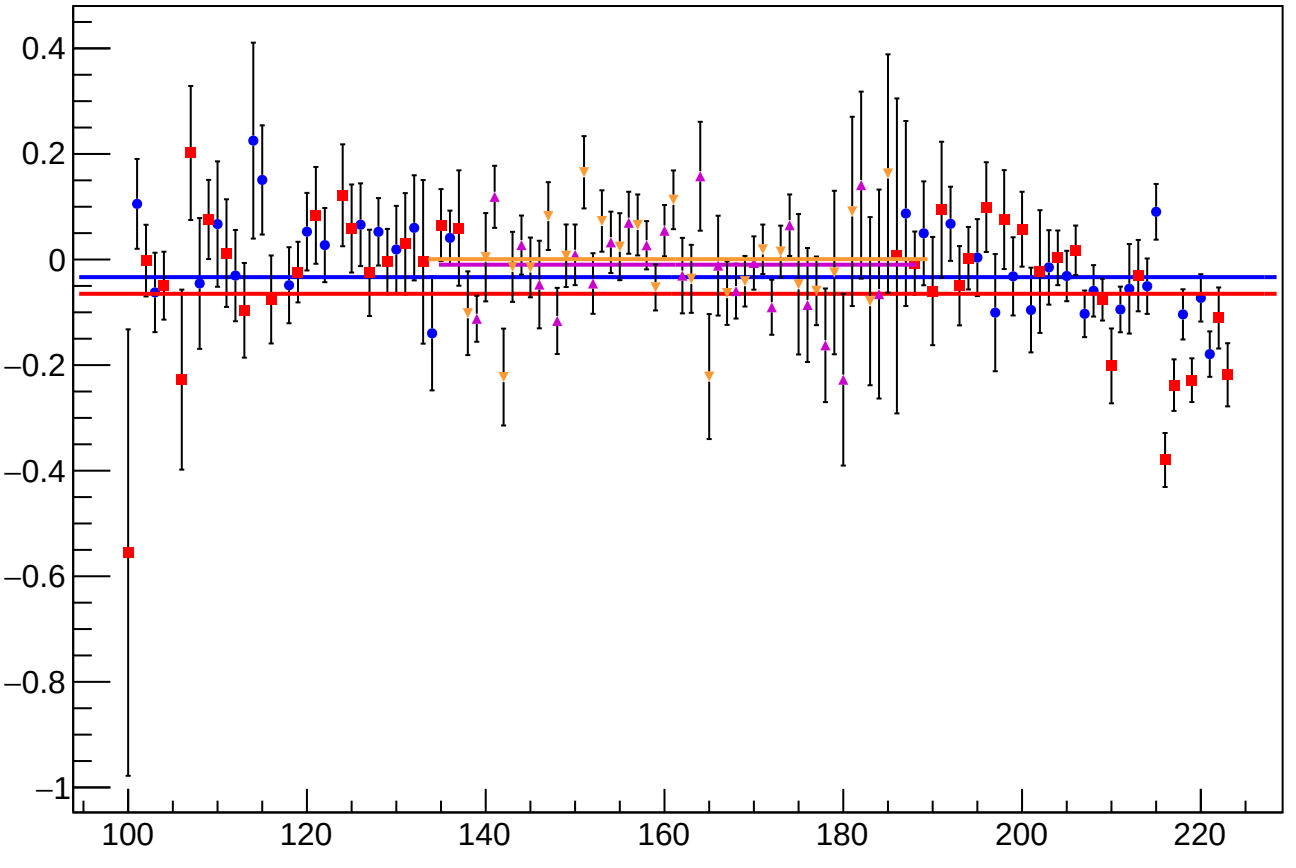
Right Out: 0.002+/-0.000 χ^2/NDF: 13771974.8/38

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 14131493.5/58

All: 0.002+/-0.000 χ^2/NDF: 34864158.4/120

- sign 0.002+/-0.000 χ^2/NDF: 20464877.6/61



Right In: -0.033+/-0.011 χ^2/NDF: 48.0/33

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

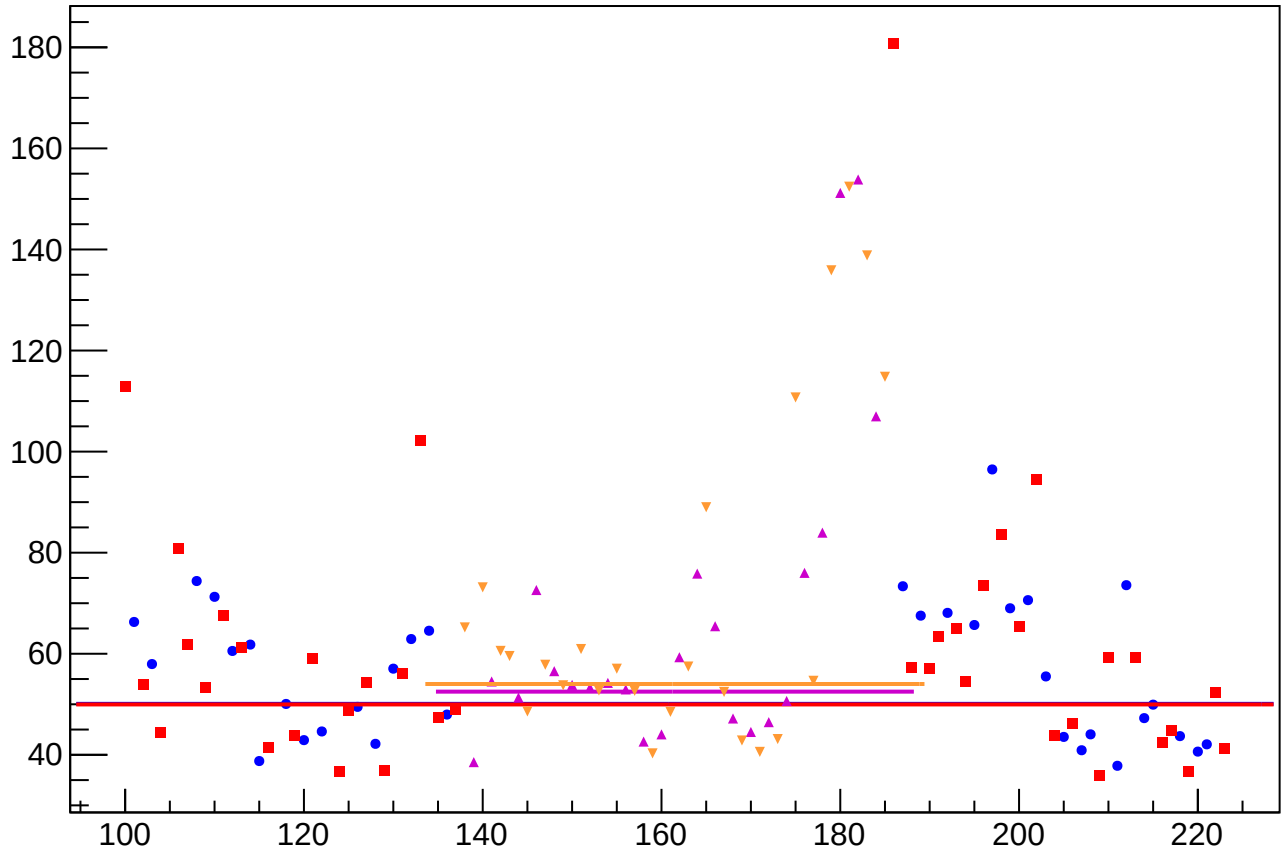
Right Out: -0.065+/-0.011 χ^2/NDF: 123.3/38

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.019+/-0.009 χ^2/NDF: 83.5/58

All: -0.030+/-0.006 χ^2/NDF: 252.3/120

- sign -0.042+/-0.009 χ^2/NDF: 165.2/61



Right In: 50.084+/-0.008 χ^2/NDF: 2057279.4/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

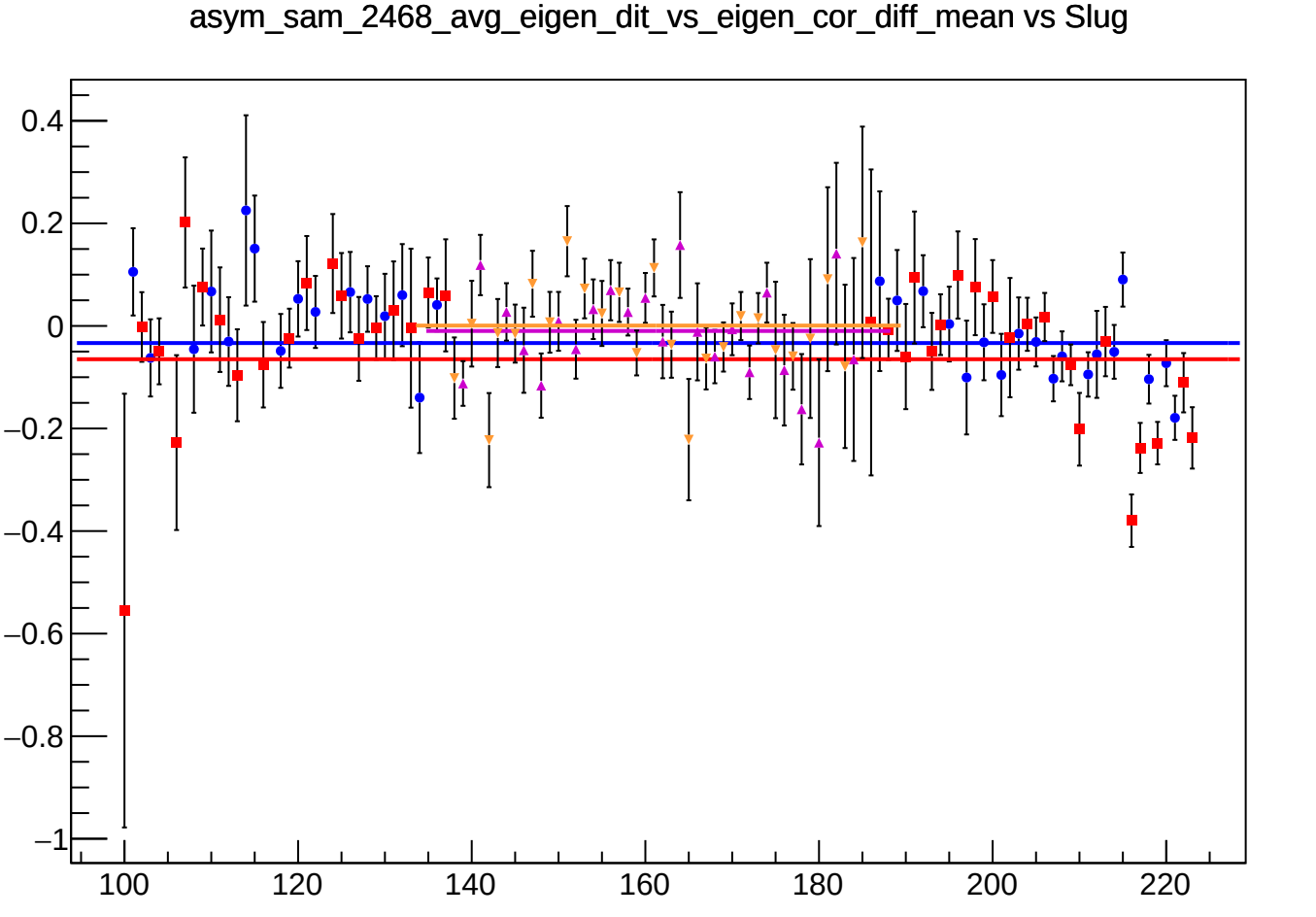
Right Out: 49.969+/-0.008 χ^2/NDF: 2695048.7/38

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 51.745+/-0.006 χ^2/NDF: 5386643.0/58

All: 51.387+/-0.004 χ^2/NDF: 10689009.5/120

- sign 51.032+/-0.006 χ^2/NDF: 5295468.6/61



Right In: -0.033+/-0.011 χ^2/NDF: 48.0/33

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

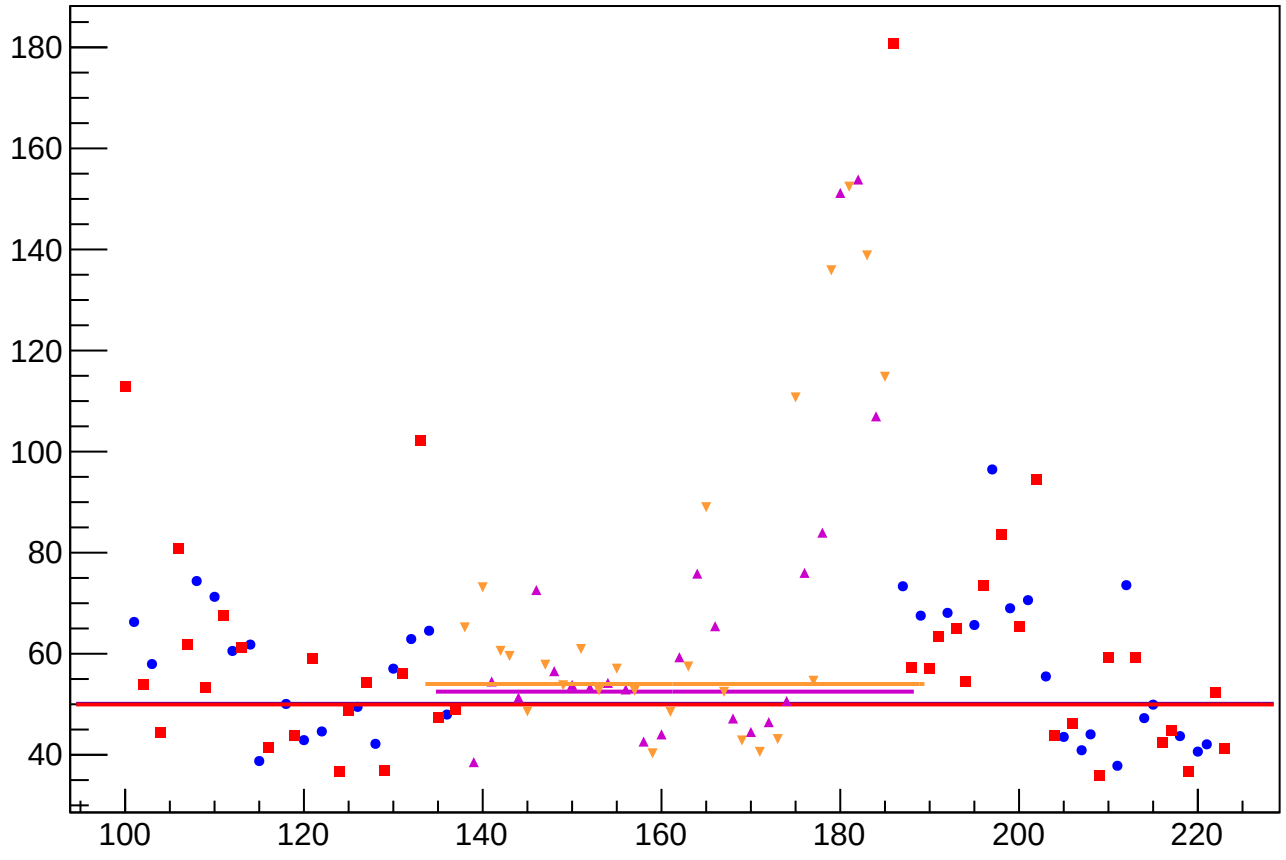
Right Out: -0.065+/-0.011 χ^2/NDF: 123.3/38

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.019+/-0.009 χ^2/NDF: 83.5/58

All: -0.030+/-0.006 χ^2/NDF: 252.3/120

- sign -0.042+/-0.009 χ^2/NDF: 165.2/61



Right In: 50.084+/-0.008 χ^2/NDF: 2057279.4/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

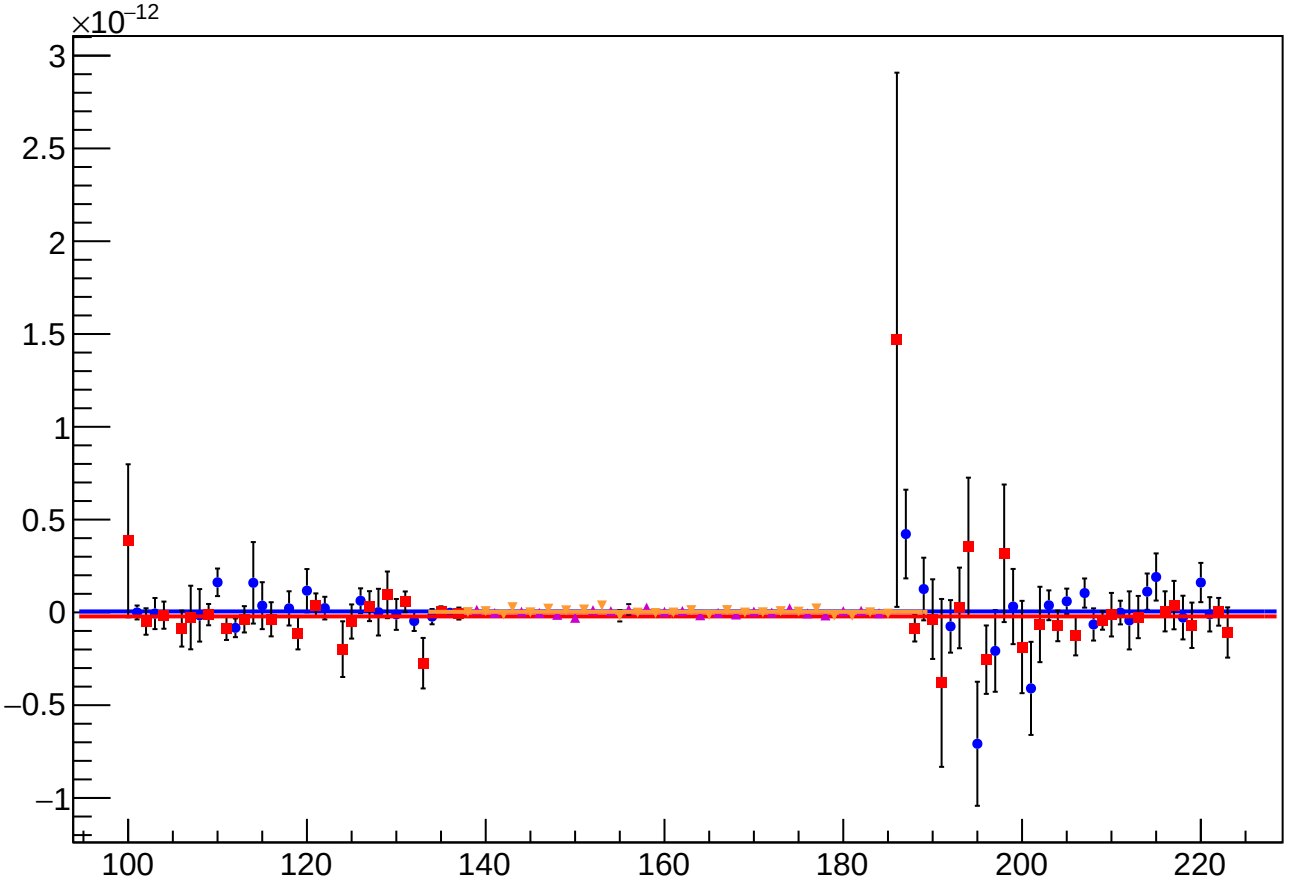
Right Out: 49.969+/-0.008 χ^2/NDF: 2695048.7/38

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 51.745+/-0.006 χ^2/NDF: 5386643.0/58

All: 51.387+/-0.004 χ^2/NDF: 10689009.5/120

- sign 51.032+/-0.006 χ^2/NDF: 5295468.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

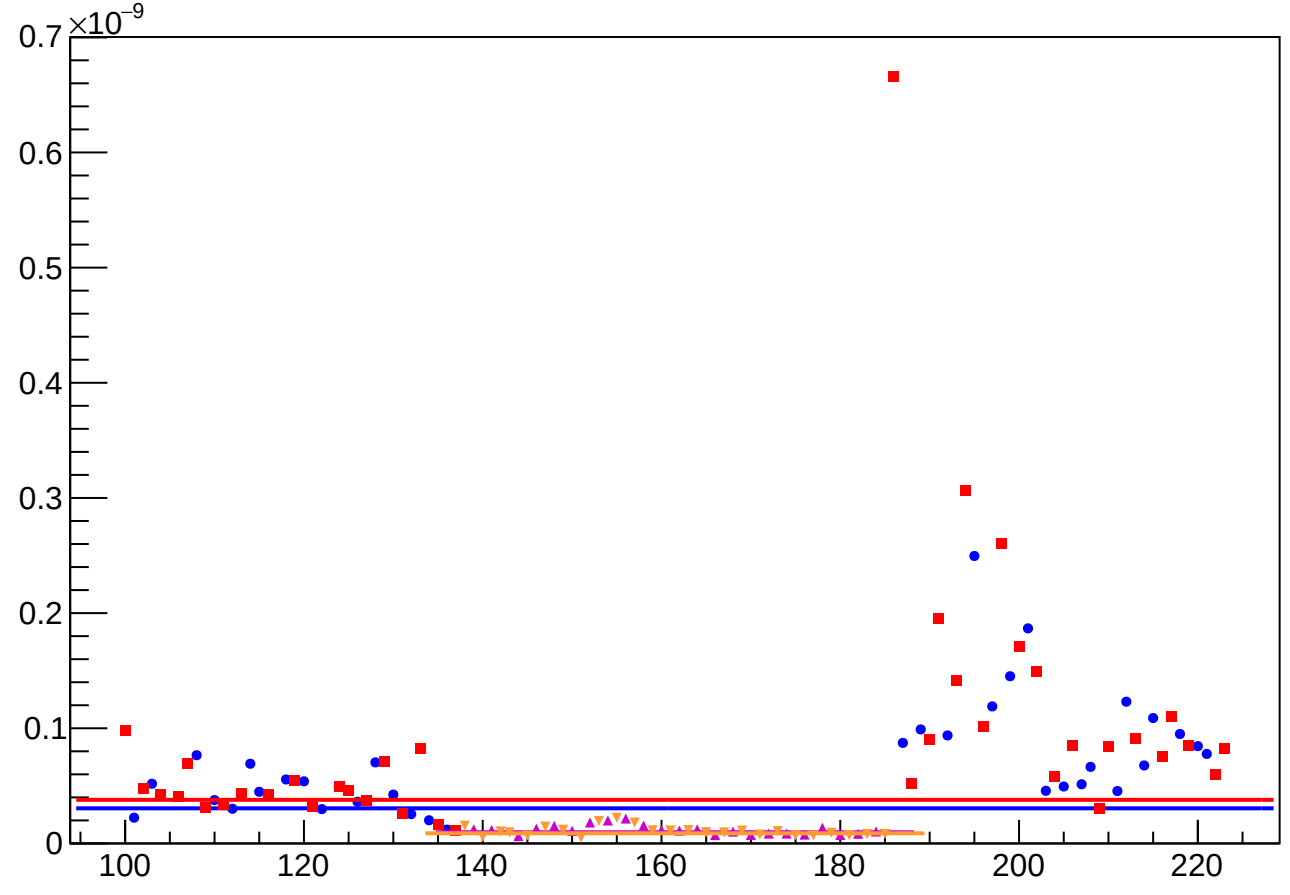
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/38

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/58

All: 0.000+/-0.000 χ^2/NDF: 96.3/120

- sign 0.000+/-0.000 χ^2/NDF: 41.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 11266122.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10593466.2/38

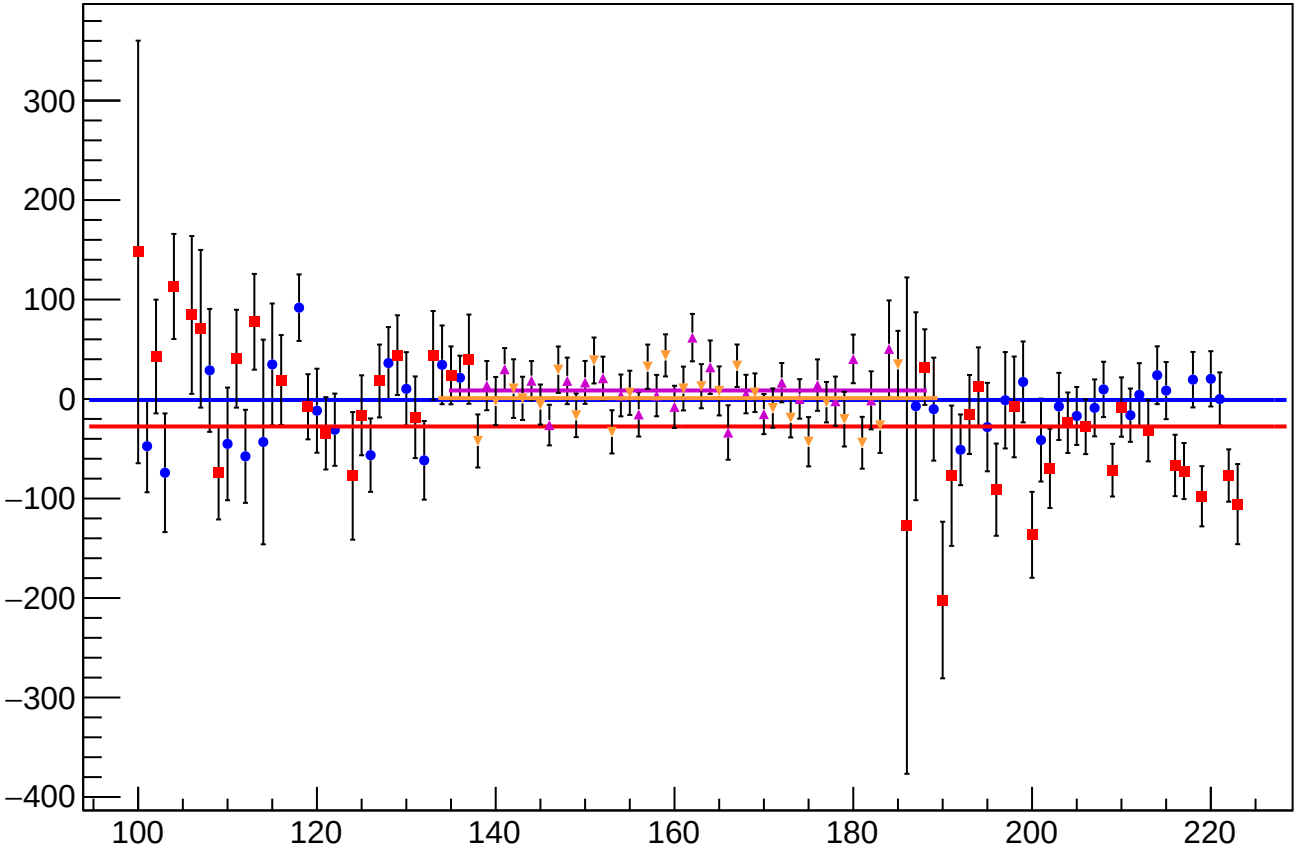
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 21359057.4/58

All: 0.000+/-0.000 χ^2/NDF: 43961586.1/120

- sign 0.000+/-0.000 χ^2/NDF: 22434558.5/61

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.937+/-6.129 χ^2/NDF: 27.8/33

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -27.579+/-6.285 χ^2/NDF: 74.0/38

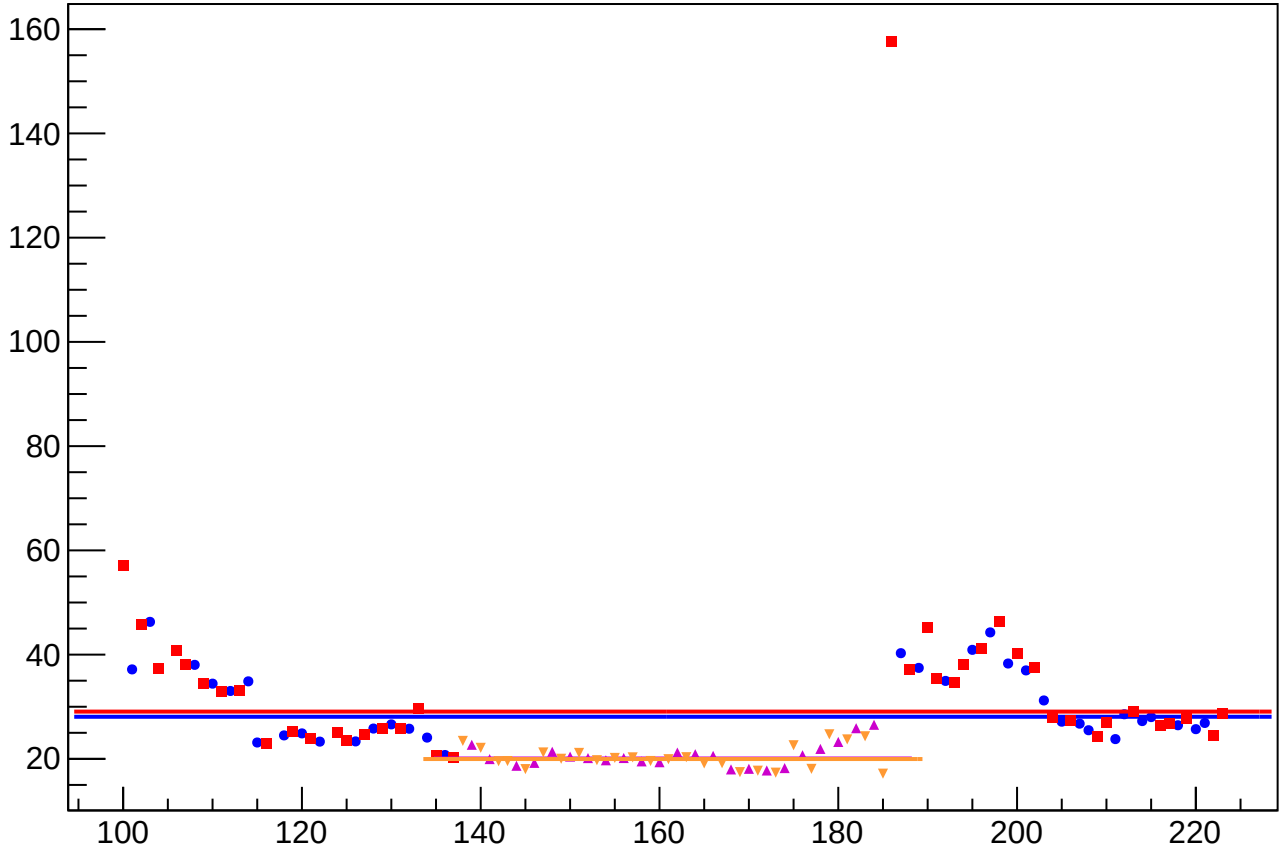
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.253+/-3.666 χ^2/NDF: 57.0/58

All: -2.032+/-2.630 χ^2/NDF: 172.4/120

- sign -4.458+/-3.776 χ^2/NDF: 114.6/61

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.077+/-0.004 χ^2/NDF: 1644911.5/33

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.070+/-0.004 χ^2/NDF: 2460979.4/38

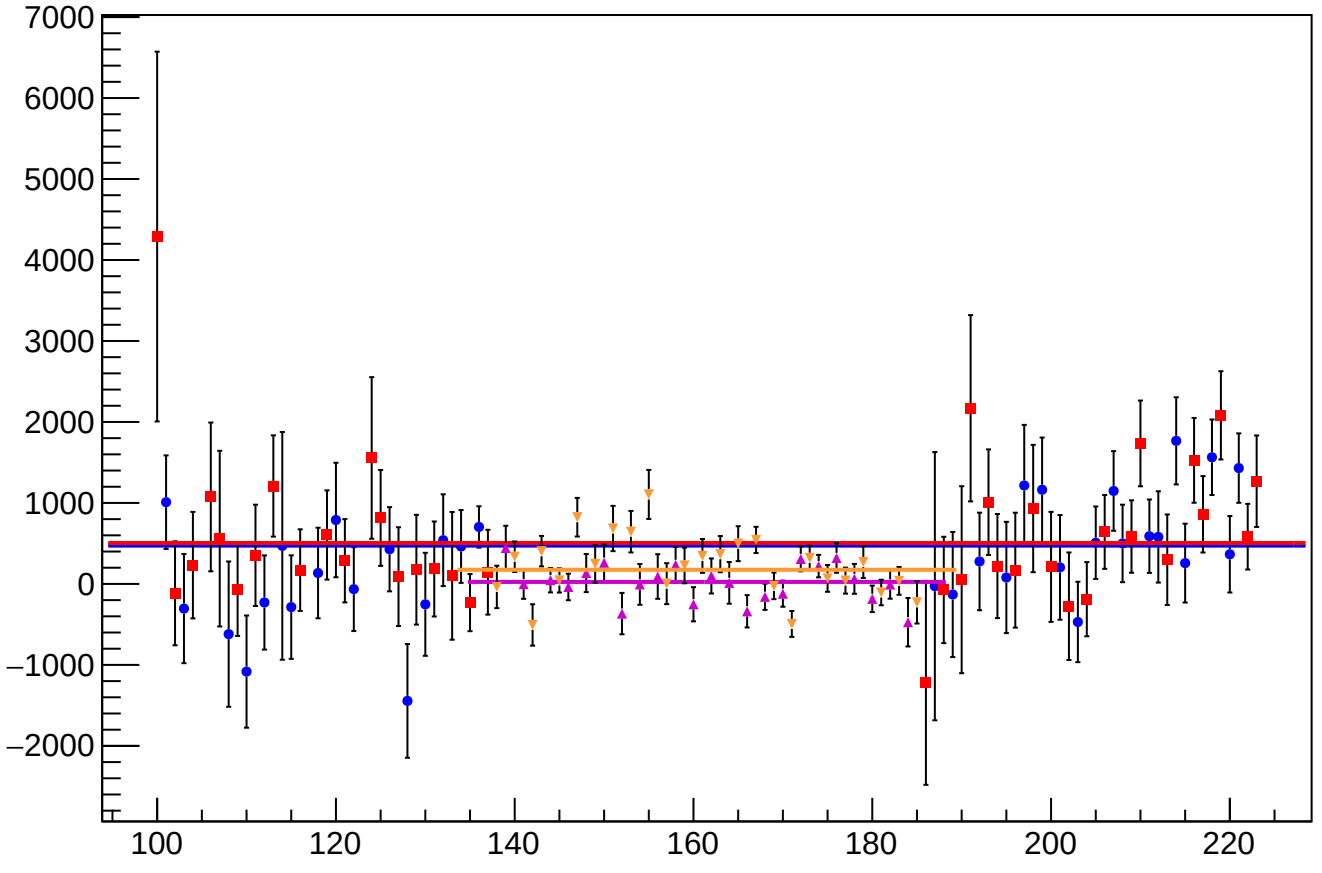
Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.870+/-0.003 χ^2/NDF: 4280464.6/58

All: 23.088+/-0.002 χ^2/NDF: 9677022.9/120

- sign 23.320+/-0.003 χ^2/NDF: 5381910.8/61

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 473.138+/-92.743 χ^2/NDF: 48.4/33

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

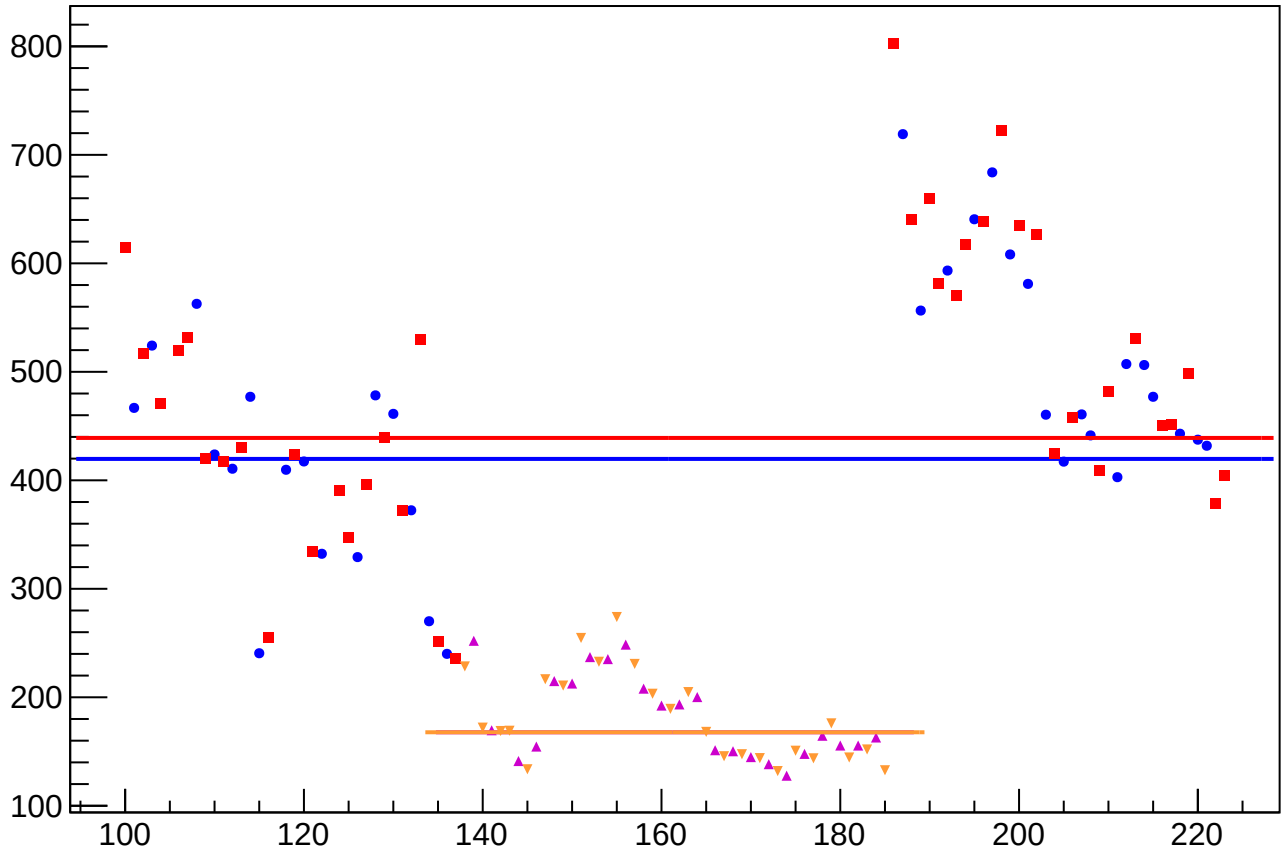
Right Out: 505.411+/-95.177 χ^2/NDF: 45.0/38

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 219.633+/-35.989 χ^2/NDF: 128.4/58

All: 159.892+/-25.775 χ^2/NDF: 227.7/120

- sign 96.982+/-36.931 χ^2/NDF: 93.6/61



Right In: 419.726+/-0.066 χ^2/NDF: 2857192.8/33

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 439.066+/-0.067 χ^2/NDF: 3010366.9/38

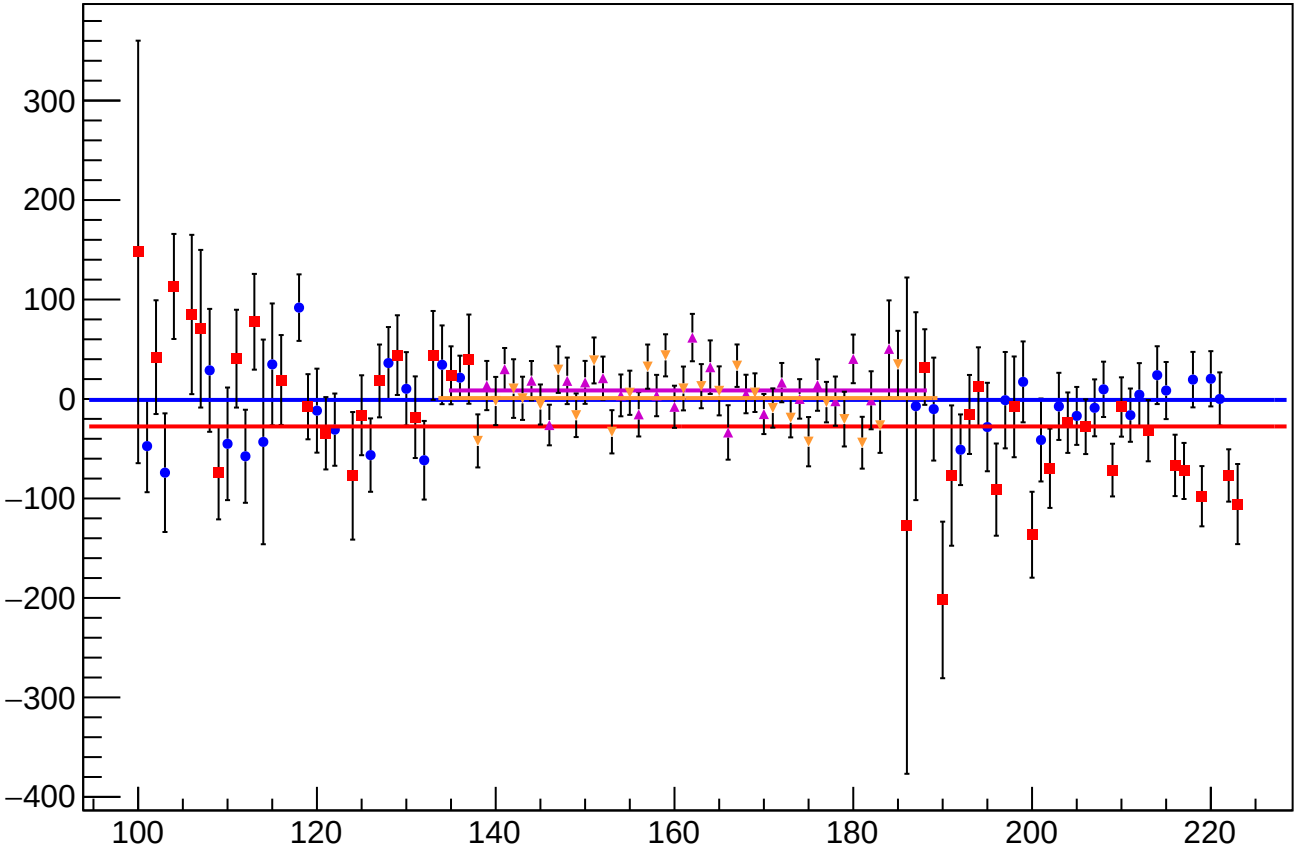
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 205.697+/-0.025 χ^2/NDF: 16975219.8/58

All: 207.110+/-0.018 χ^2/NDF: 35200618.0/12

- sign 208.598+/-0.026 χ^2/NDF: 18219068.3/61

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.935+/-6.129 χ^2/NDF: 27.8/33

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -27.599+/-6.286 χ^2/NDF: 74.0/38

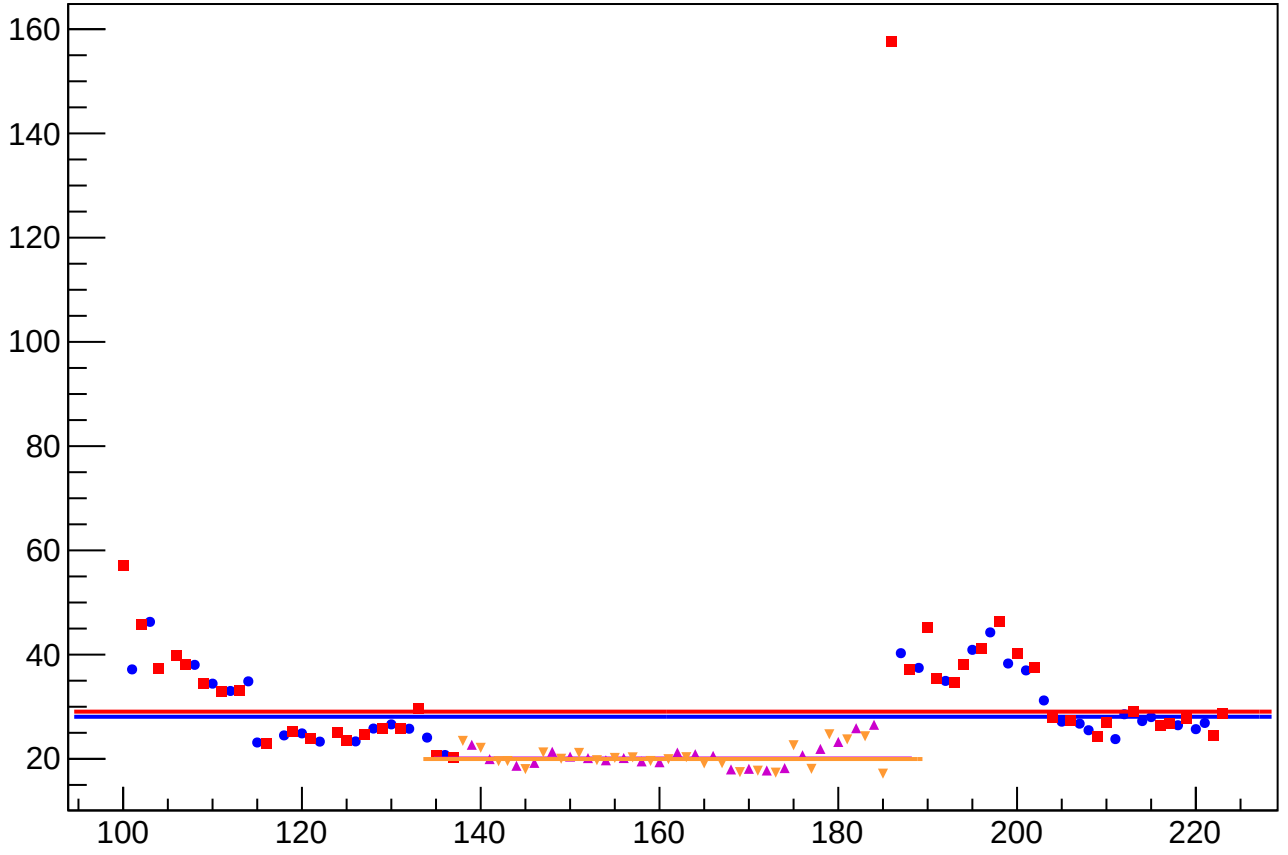
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.253+/-3.666 χ^2/NDF: 57.0/58

All: -2.036+/-2.630 χ^2/NDF: 172.4/120

- sign -4.464+/-3.776 χ^2/NDF: 114.5/61

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.077+/-0.004 χ^2/NDF: 1644914.8/33

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

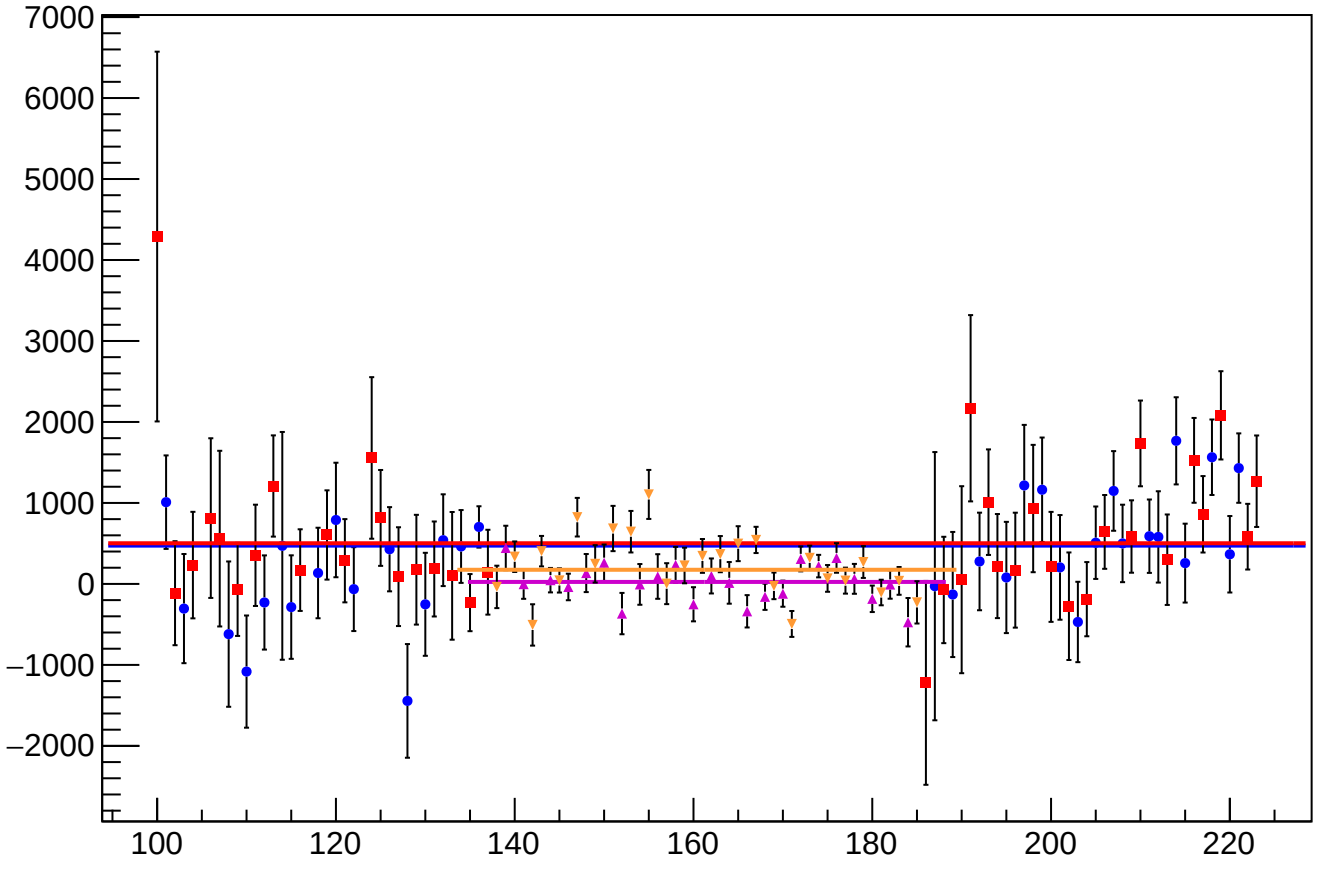
Right Out: 29.062+/-0.004 χ^2/NDF: 2452817.5/38

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

\+ sign 22.870+/-0.003 χ^2/NDF: 4280467.9/58

All: 23.087+/-0.002 χ^2/NDF: 9663814.0/120

\- sign 23.317+/-0.003 χ^2/NDF: 5368902.1/61



Right In: 473.136+/-92.743 χ^2/NDF: 48.4/33

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

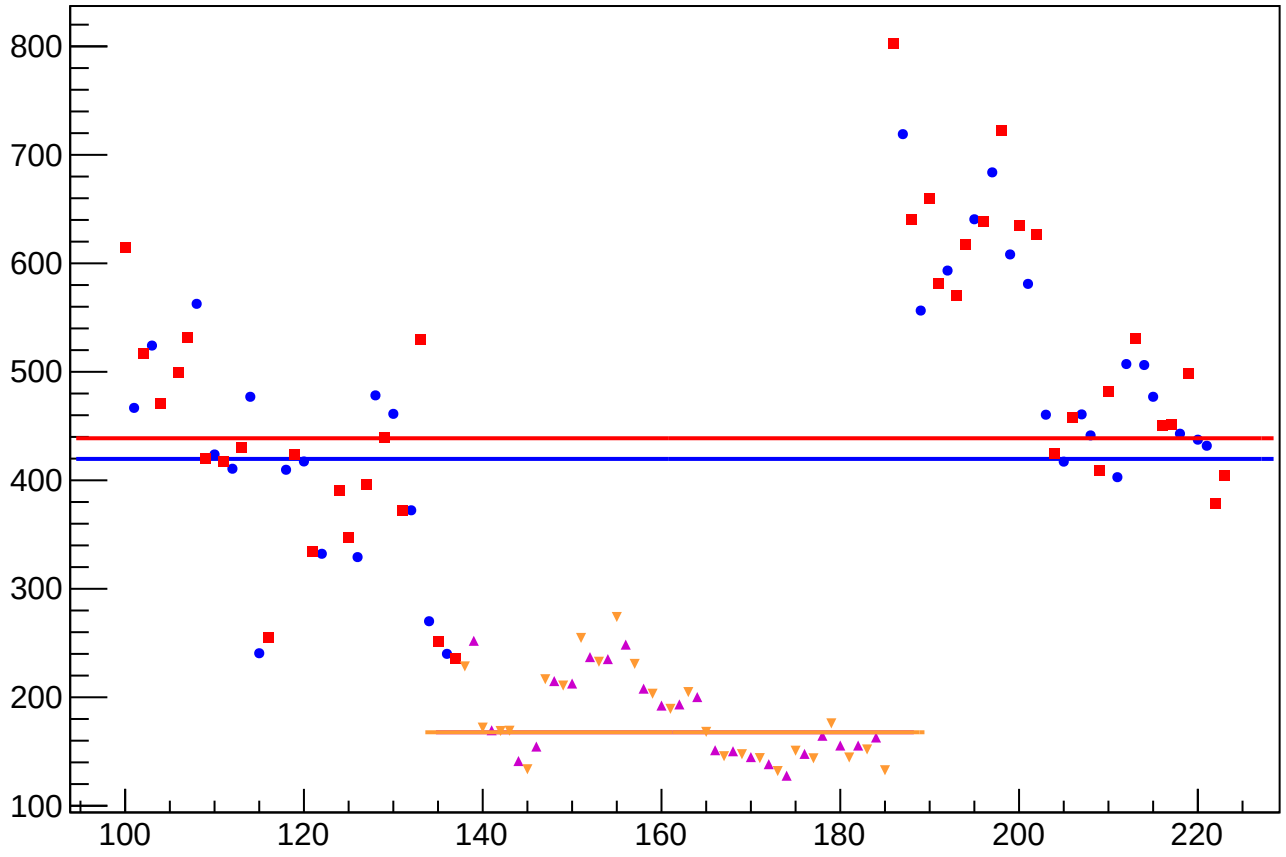
Right Out: 502.214+/-95.245 χ^2/NDF: 44.7/38

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 219.631+/-35.989 χ^2/NDF: 128.4/58

All: 159.620+/-25.776 χ^2/NDF: 227.1/120

- sign 96.414+/-36.935 χ^2/NDF: 93.0/61



Right In: 419.727+/-0.066 χ^2/NDF: 2857217.5/33

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

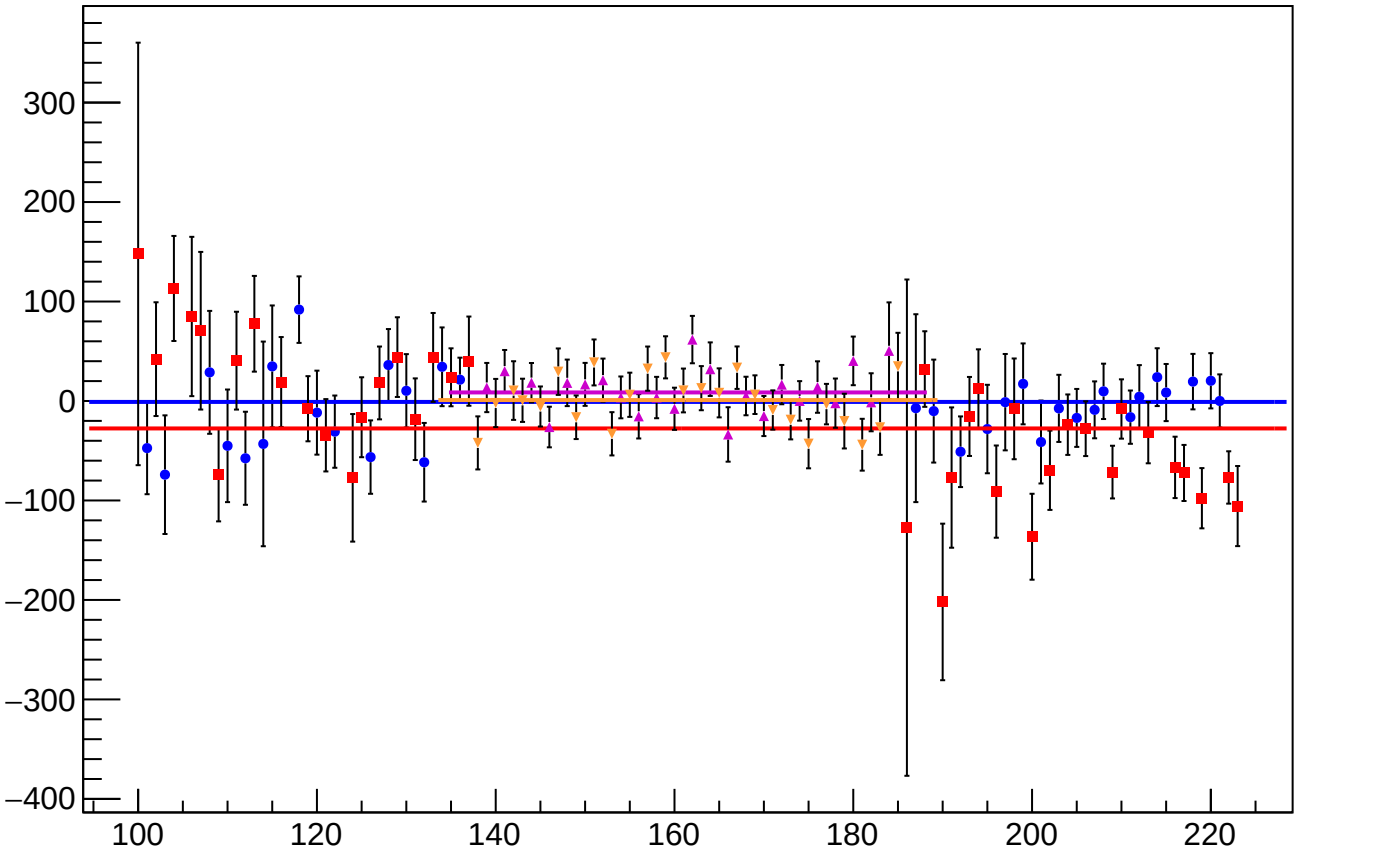
Right Out: 438.765+/-0.067 χ^2/NDF: 3002551.2/38

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 205.697+/-0.025 χ^2/NDF: 16975248.1/58

All: 207.064+/-0.018 χ^2/NDF: 35145083.0/12

- sign 208.503+/-0.026 χ^2/NDF: 18163912.3/61



Right In: -0.935+/-6.129 χ^2/NDF: 27.8/33

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -27.599+/-6.286 χ^2/NDF: 74.0/38

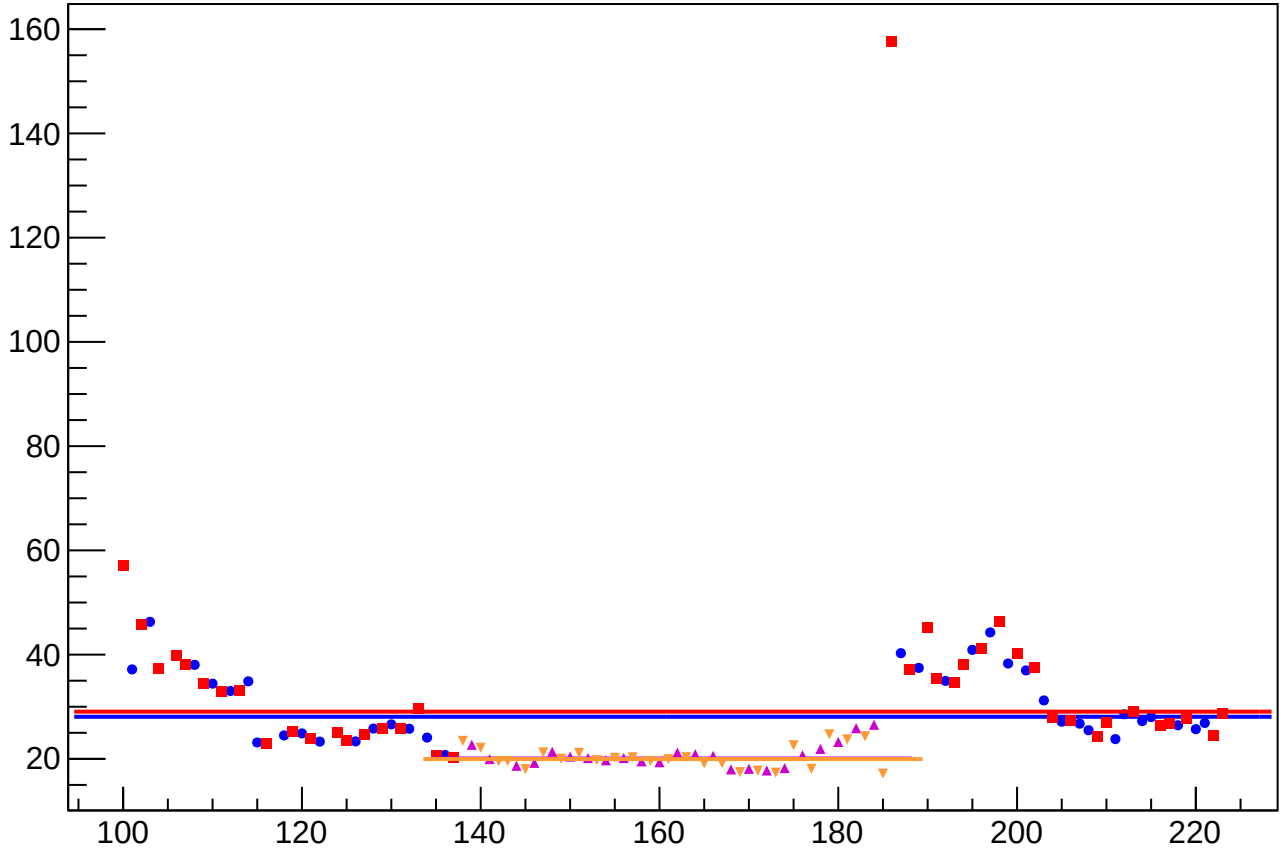
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.253+/-3.666 χ^2/NDF: 57.0/58

All: -2.036+/-2.630 χ^2/NDF: 172.4/120

- sign -4.464+/-3.776 χ^2/NDF: 114.5/61

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.077+/-0.004 χ^2/NDF: 1644914.8/33

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

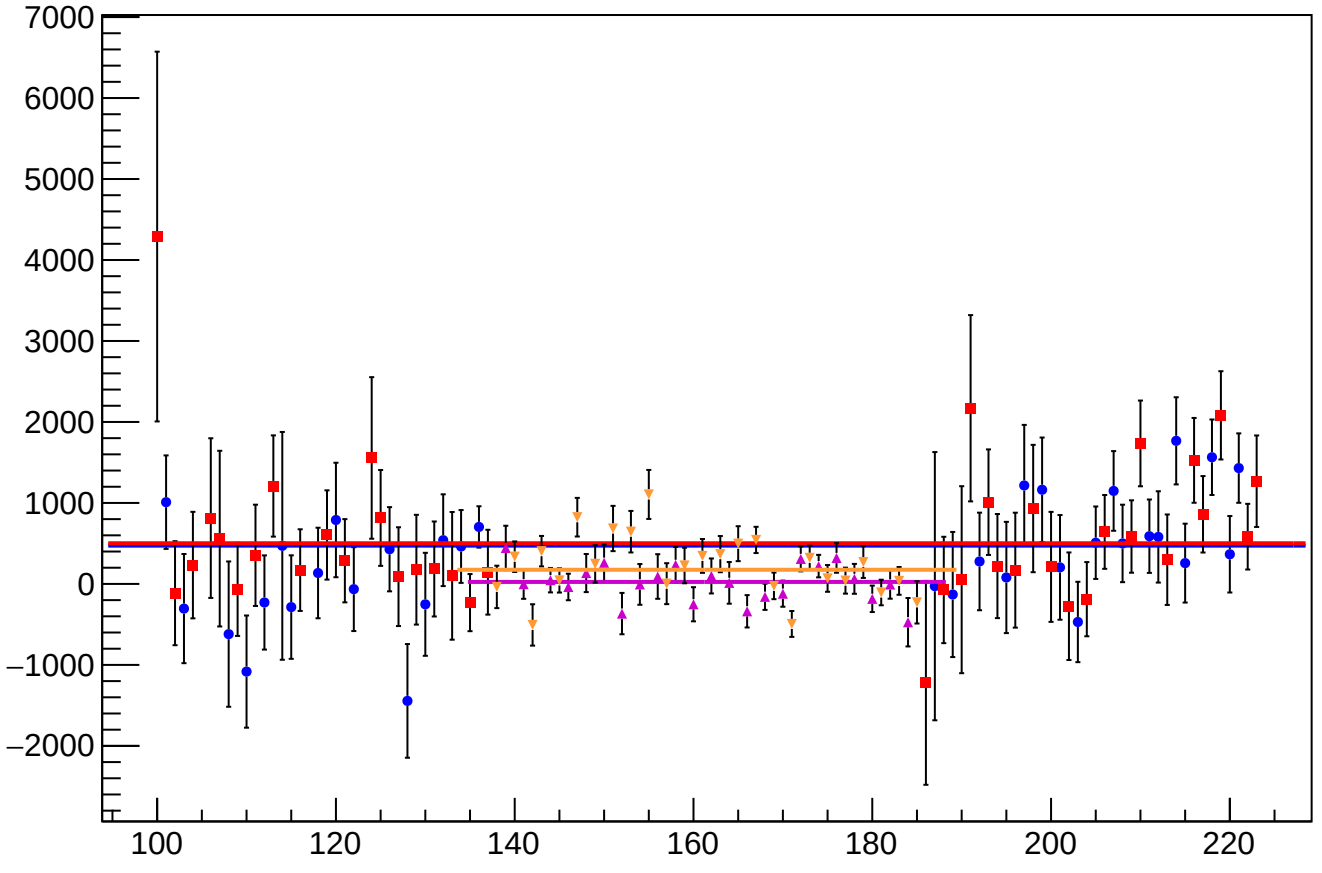
Right Out: 29.062+/-0.004 χ^2/NDF: 2452817.5/38

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.870+/-0.003 χ^2/NDF: 4280467.9/58

All: 23.087+/-0.002 χ^2/NDF: 9663814.0/120

- sign 23.317+/-0.003 χ^2/NDF: 5368902.1/61



Right In: 473.136+/-92.743 χ^2/NDF: 48.4/33

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

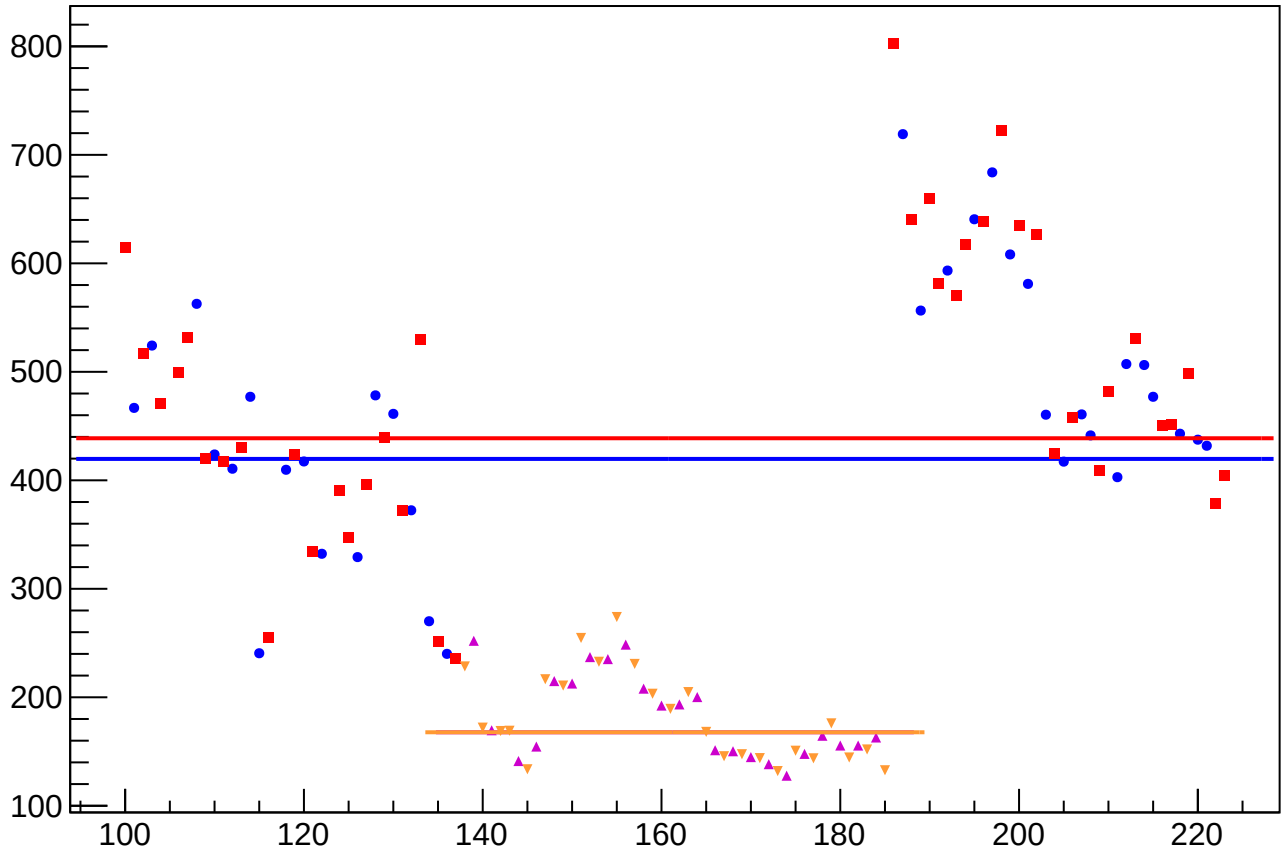
Right Out: 502.214+/-95.245 χ^2/NDF: 44.7/38

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 219.631+/-35.989 χ^2/NDF: 128.4/58

All: 159.620+/-25.776 χ^2/NDF: 227.1/120

- sign 96.414+/-36.935 χ^2/NDF: 93.0/61



Right In: 419.727+/-0.066 χ^2/NDF: 2857217.5/33

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 438.765+/-0.067 χ^2/NDF: 3002551.2/38

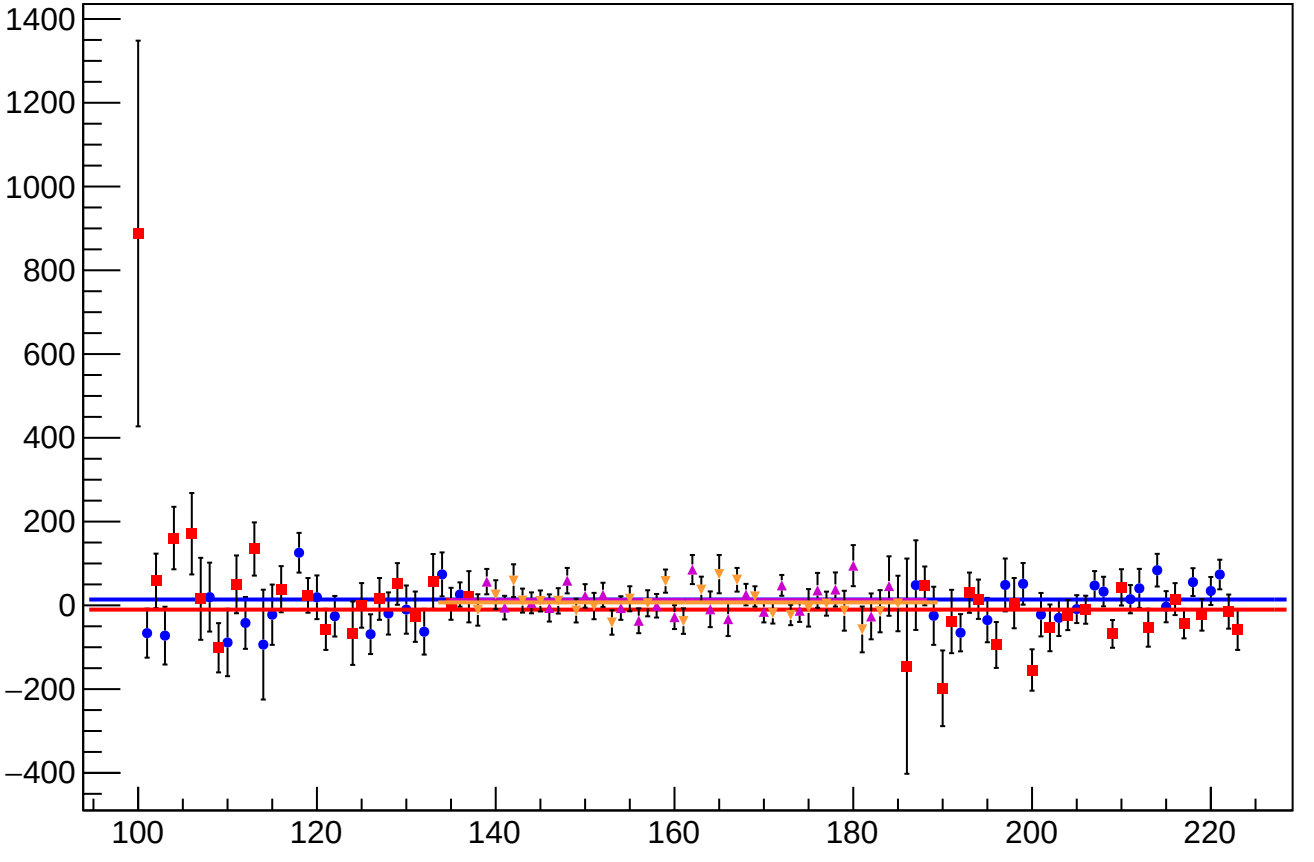
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 205.697+/-0.025 χ^2/NDF: 16975248.1/58

All: 207.064+/-0.018 χ^2/NDF: 35145083.0/12

- sign 208.503+/-0.026 χ^2/NDF: 18163912.3/61

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 13.954+/-7.870 χ^2/NDF: 37.2/33

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -10.176+/-8.073 χ^2/NDF: 55.2/38

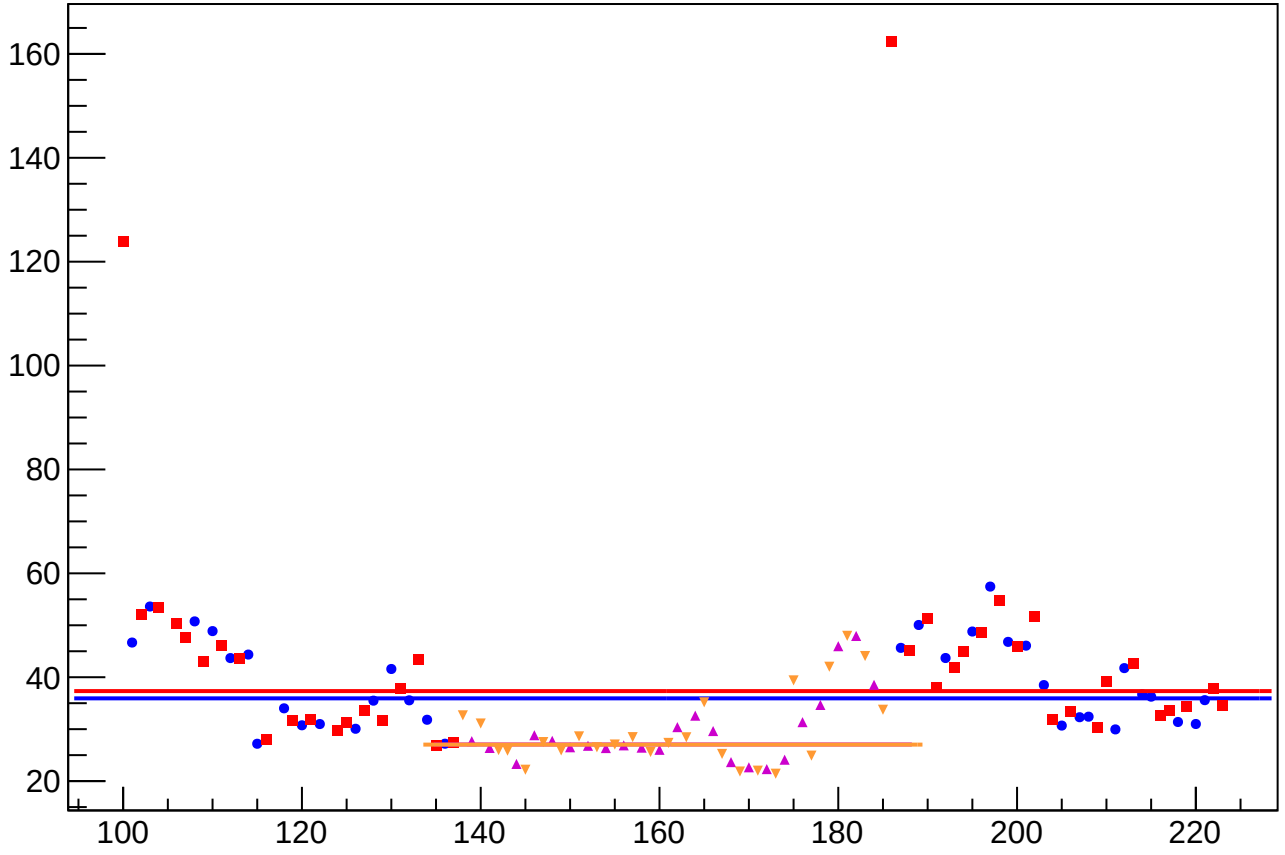
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 9.781+/-4.934 χ^2/NDF: 60.4/58

All: 6.812+/-3.536 χ^2/NDF: 146.8/120

- sign 3.679+/-5.069 χ^2/NDF: 85.6/61

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.930+/-0.006 χ^2/NDF: 1629079.2/33

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.331+/-0.006 χ^2/NDF: 2181985.6/38

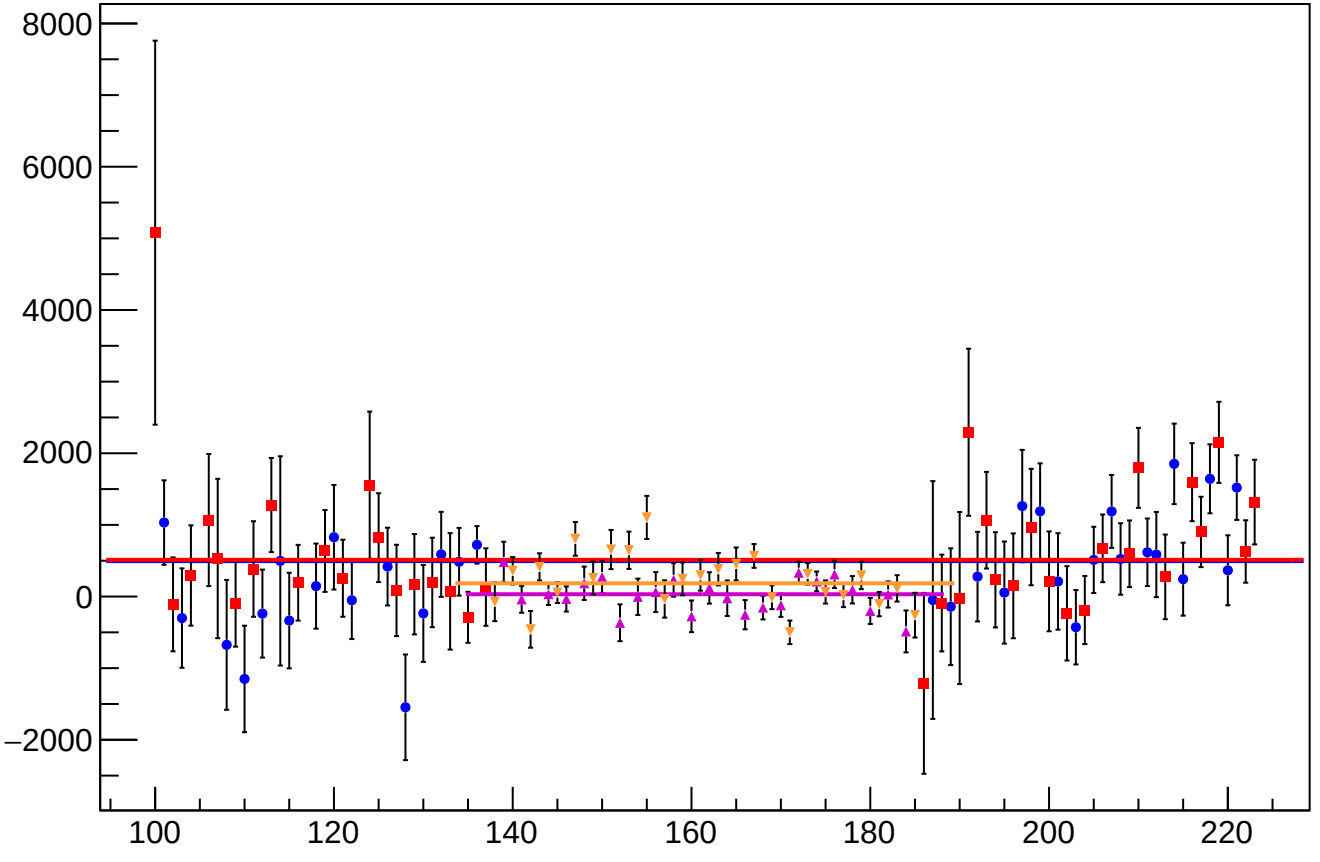
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.526+/-0.003 χ^2/NDF: 4613456.1/58

All: 30.808+/-0.003 χ^2/NDF: 9816999.3/120

- sign 31.105+/-0.004 χ^2/NDF: 5190155.7/61

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 494.854+/-96.545 χ^2/NDF: 48.4/33

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

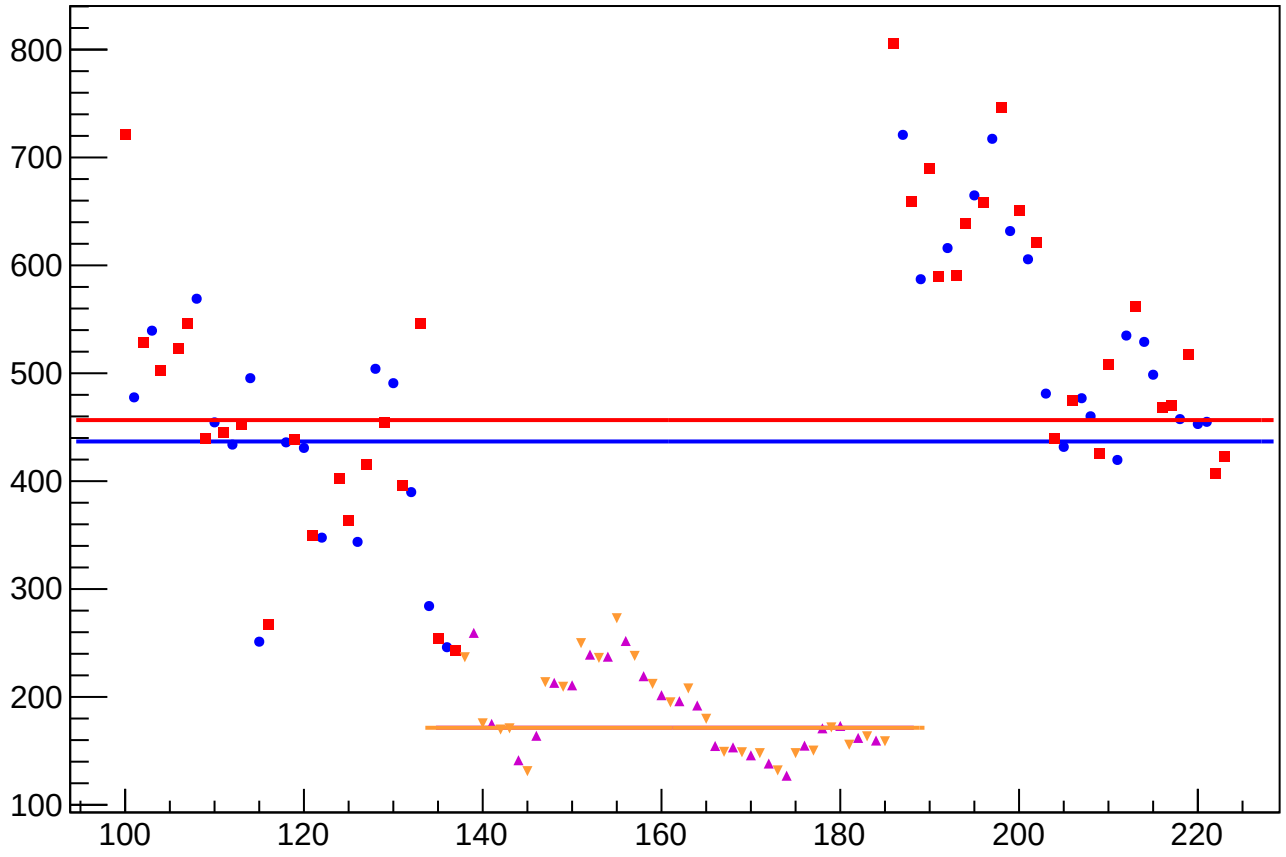
Right Out: 512.483+/-98.924 χ^2/NDF: 46.2/38

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 229.793+/-36.821 χ^2/NDF: 124.9/58

All: 167.798+/-26.395 χ^2/NDF: 223.5/120

- sign 102.270+/-37.856 χ^2/NDF: 92.7/61



Right In: 436.783+/-0.068 χ^2/NDF: 2909316.4/33

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 456.602+/-0.070 χ^2/NDF: 2977350.2/38

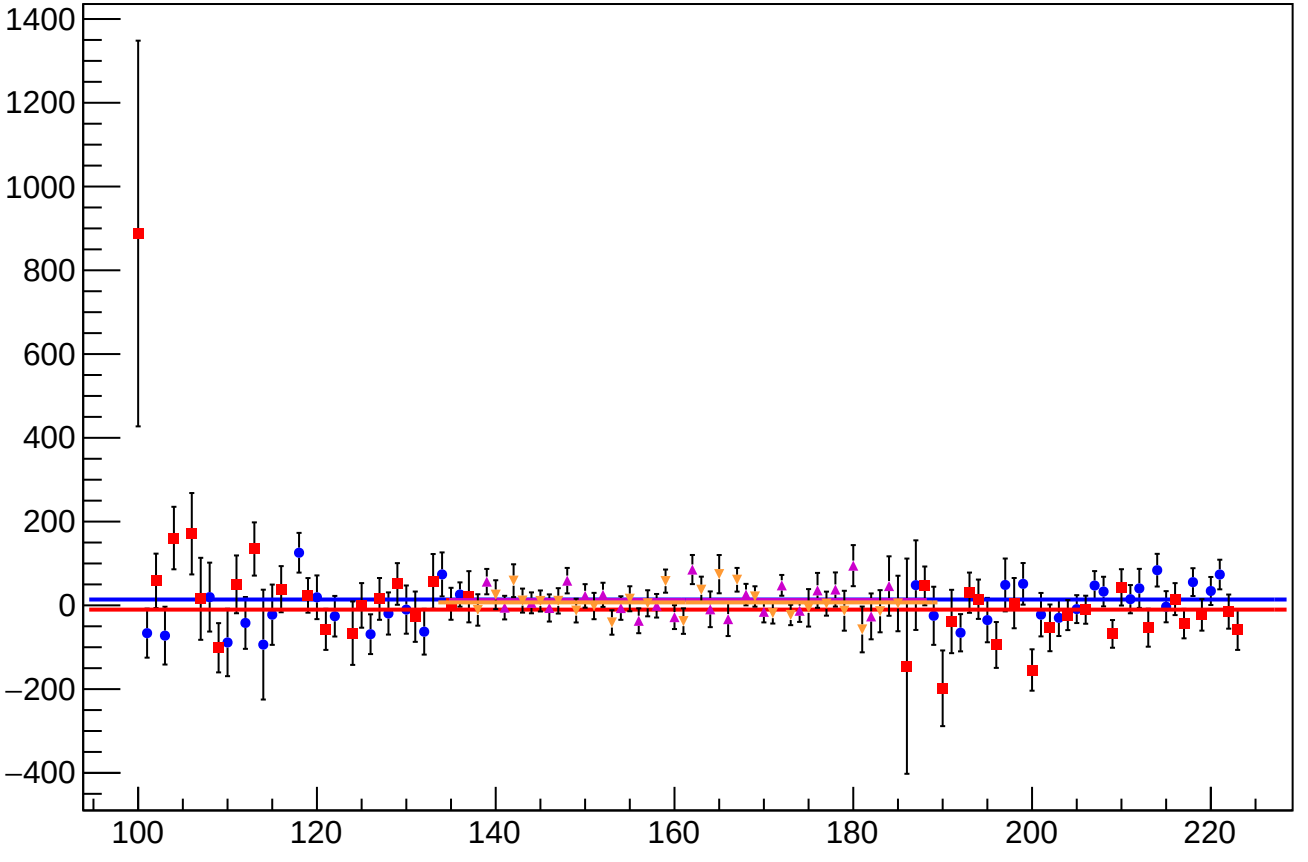
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 210.025+/-0.026 χ^2/NDF: 17347162.4/58

All: 211.589+/-0.019 χ^2/NDF: 35928175.0/12

- sign 213.242+/-0.027 χ^2/NDF: 18573588.5/61

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 13.952+/-7.870 χ^2/NDF: 37.2/33

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -10.176+/-8.073 χ^2/NDF: 55.2/38

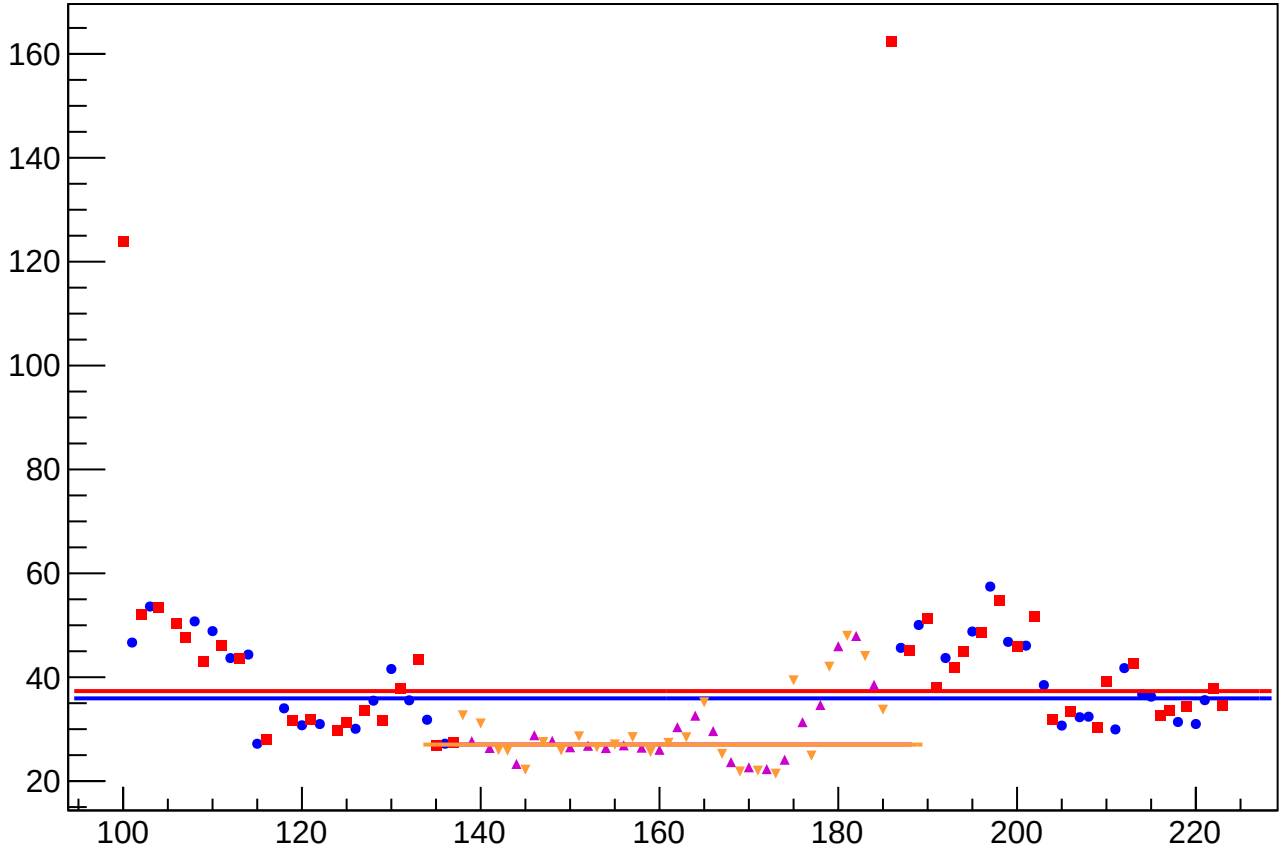
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 9.781+/-4.934 χ^2/NDF: 60.4/58

All: 6.812+/-3.536 χ^2/NDF: 146.8/120

- sign 3.679+/-5.069 χ^2/NDF: 85.6/61

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.930+/-0.006 χ^2/NDF: 1629085.1/33

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

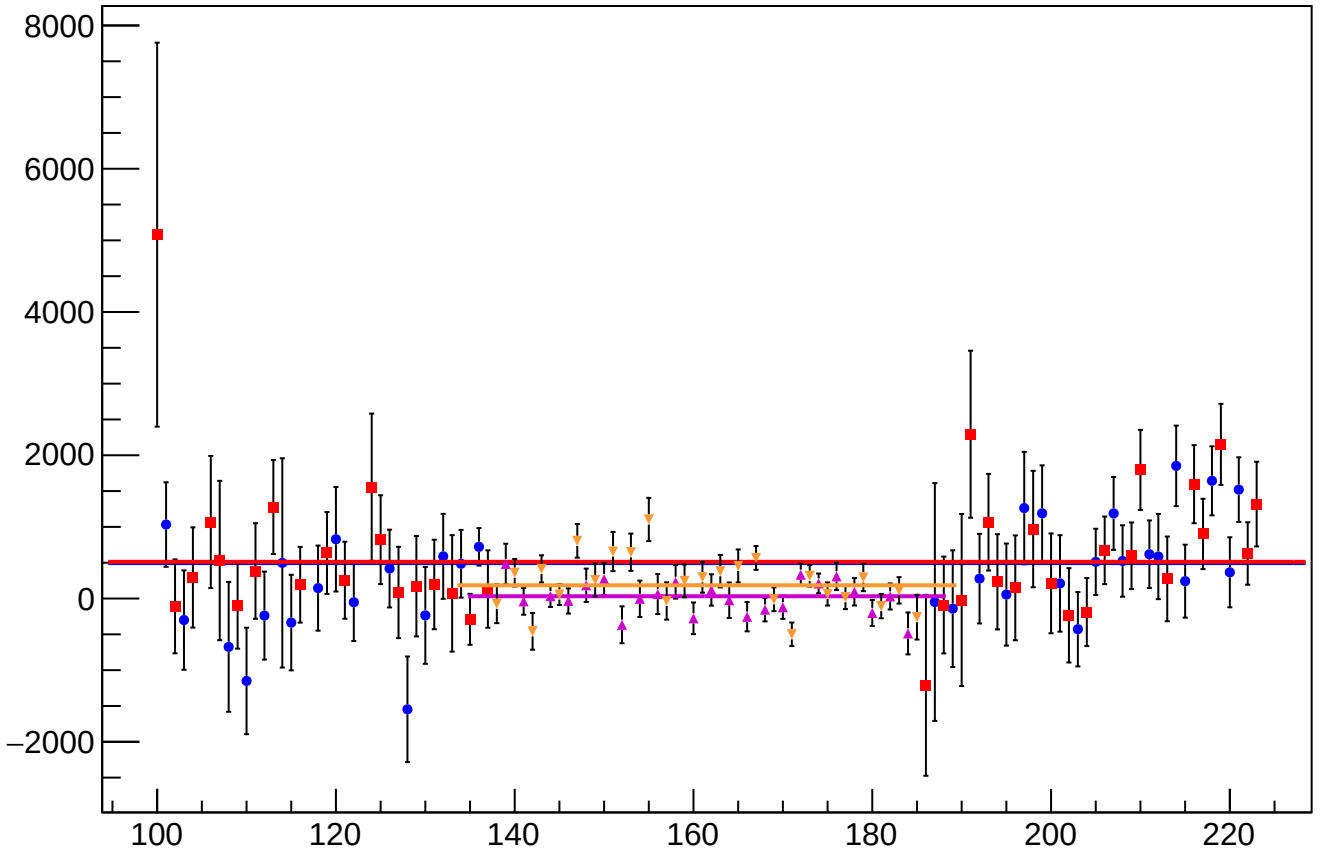
Right Out: 37.331+/-0.006 χ^2/NDF: 2181957.5/38

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.526+/-0.003 χ^2/NDF: 4613329.8/58

All: 30.807+/-0.003 χ^2/NDF: 9816764.1/120

- sign 31.105+/-0.004 χ^2/NDF: 5190044.4/61



Right In: 494.852+/-96.545 χ^2/NDF: 48.4/33

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

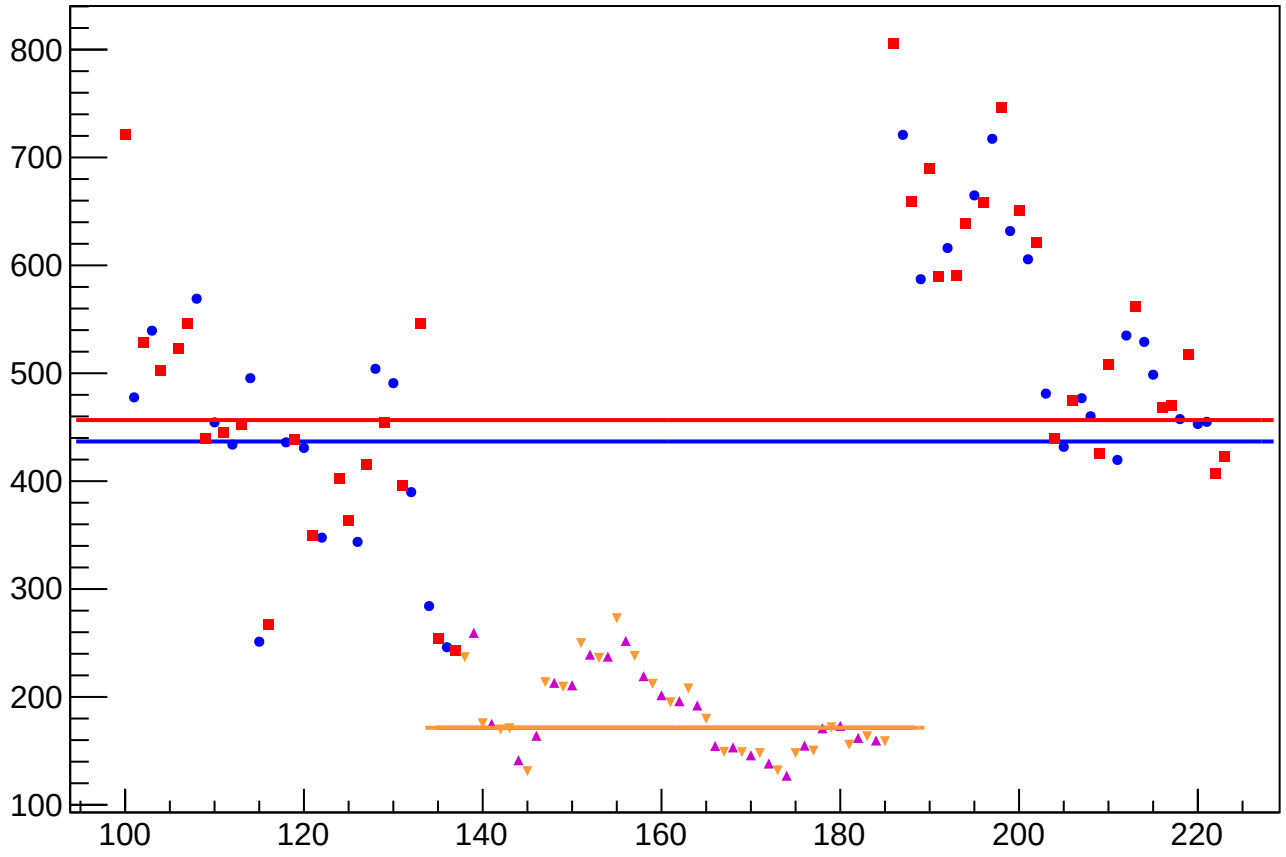
Right Out: 512.482+/-98.924 χ^2/NDF: 46.2/38

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 229.791+/-36.821 χ^2/NDF: 124.9/58

All: 167.797+/-26.395 χ^2/NDF: 223.5/120

- sign 102.270+/-37.856 χ^2/NDF: 92.7/61



Right In: 436.782+/-0.068 χ^2/NDF: 2909324.3/33

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 456.601+/-0.070 χ^2/NDF: 2977359.6/38

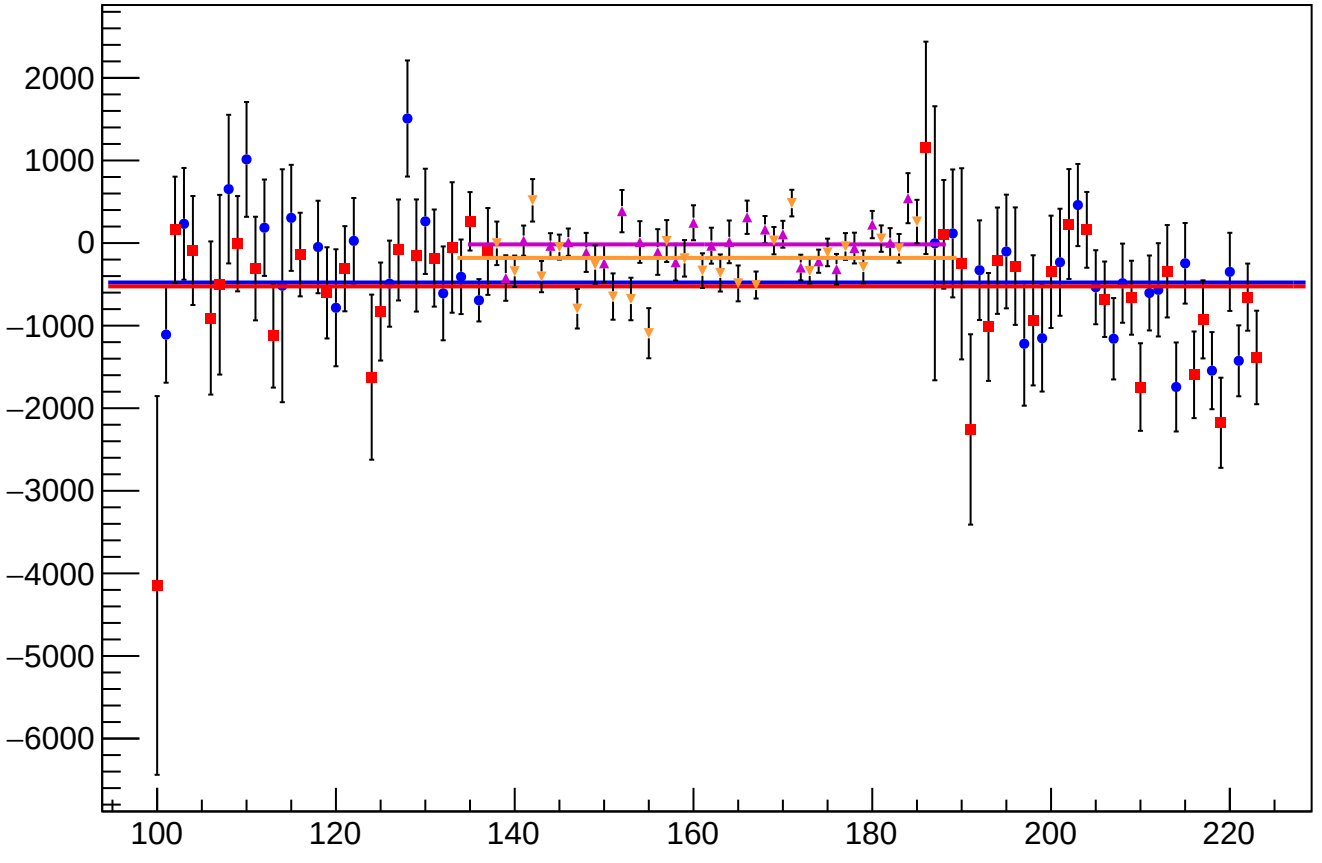
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 210.024+/-0.026 χ^2/NDF: 17347212.7/58

All: 211.588+/-0.019 χ^2/NDF: 35928298.6/12

- sign 213.241+/-0.027 χ^2/NDF: 18573662.2/61

asym_sam_1357_2468_dd_mean vs Slug



Right In: -477.479+/-92.995 χ^2/NDF: 47.8/33

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -524.549+/-95.430 χ^2/NDF: 47.2/38

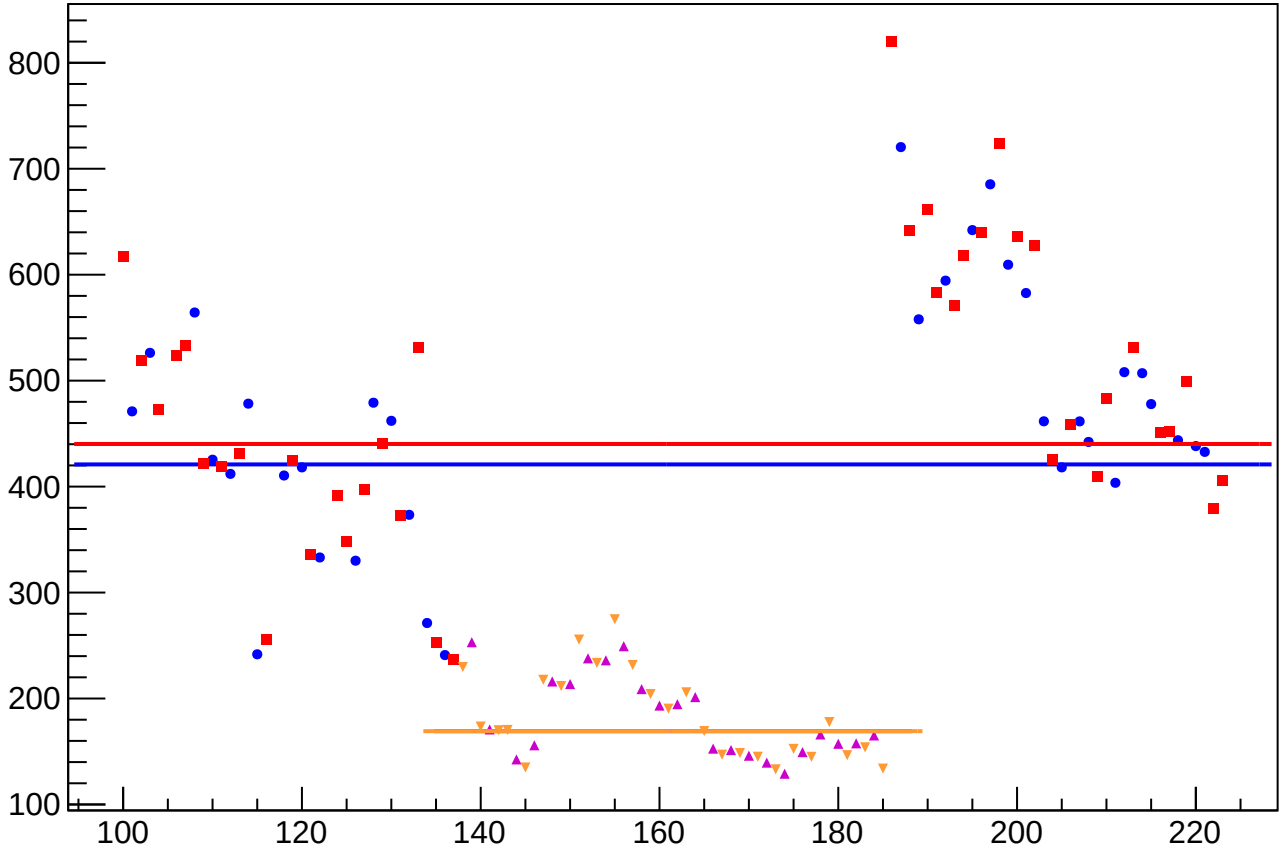
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -224.909+/-36.250 χ^2/NDF: 123.6/58

All: -160.821+/-25.962 χ^2/NDF: 227.9/120

- sign -93.328+/-37.200 χ^2/NDF: 97.9/61

asym_sam_1357_2468_dd_rms vs Slug



Right In: 420.941+/-0.066 χ^2/NDF: 2845178.3/33

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

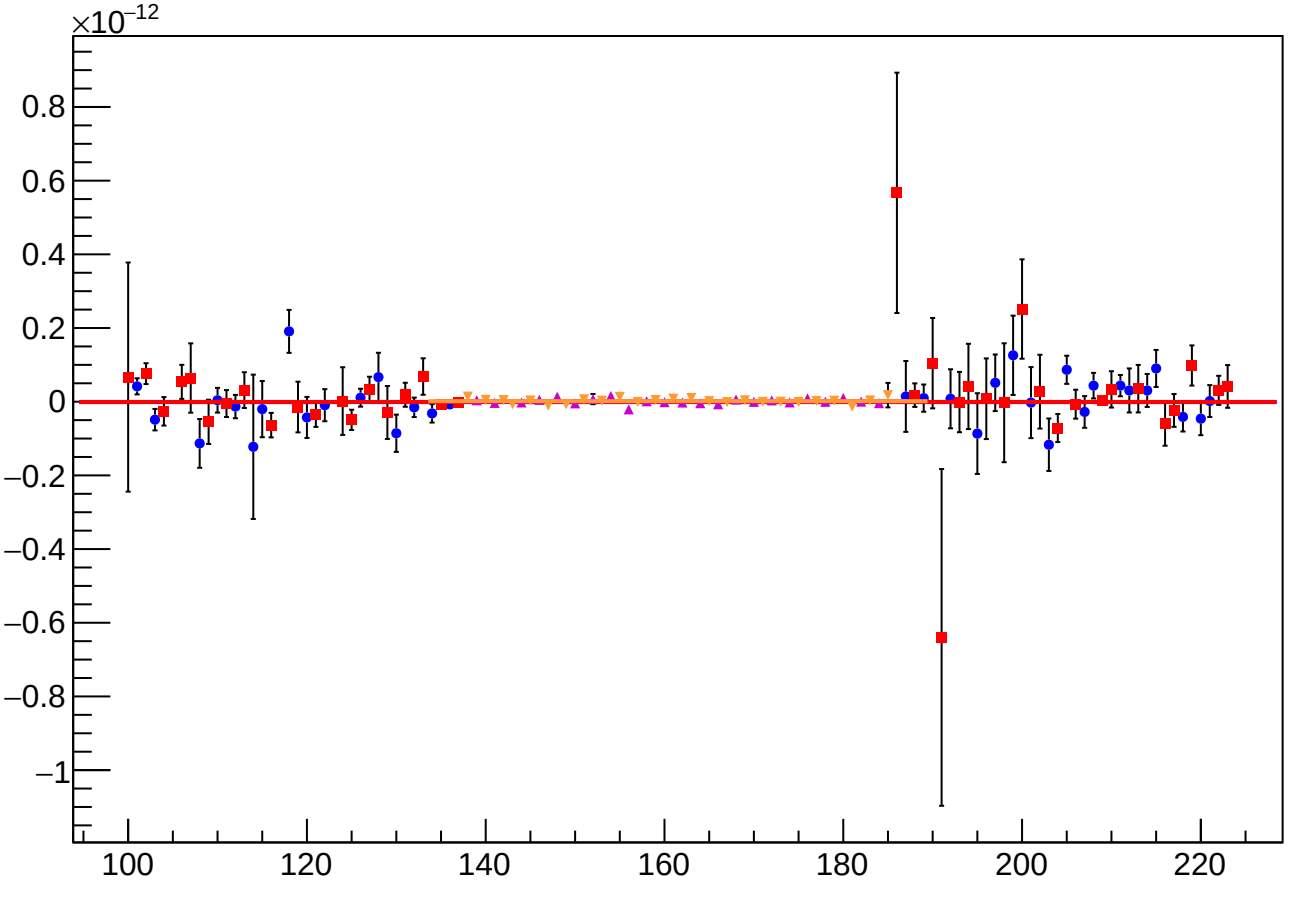
Right Out: 440.230+/-0.067 χ^2/NDF: 3009510.1/38

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 207.436+/-0.026 χ^2/NDF: 16824031.6/58

All: 208.867+/-0.018 χ^2/NDF: 34896520.2/12

- sign 210.375+/-0.026 χ^2/NDF: 18066087.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 49.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

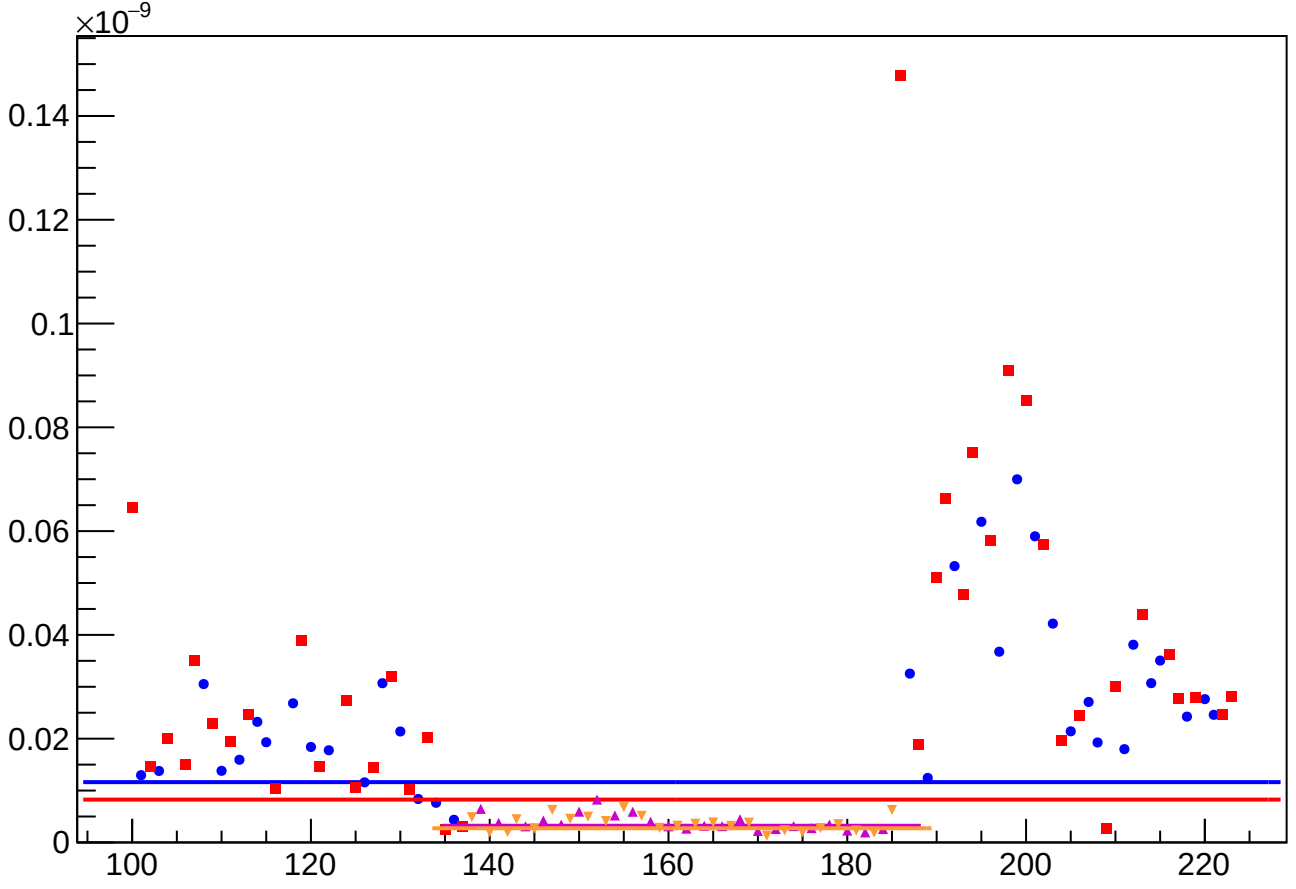
Right Out: -0.000+/-0.000 χ^2/NDF: 43.4/38

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/58

All: 0.000+/-0.000 χ^2/NDF: 131.4/120

- sign 0.000+/-0.000 χ^2/NDF: 63.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 7882032.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

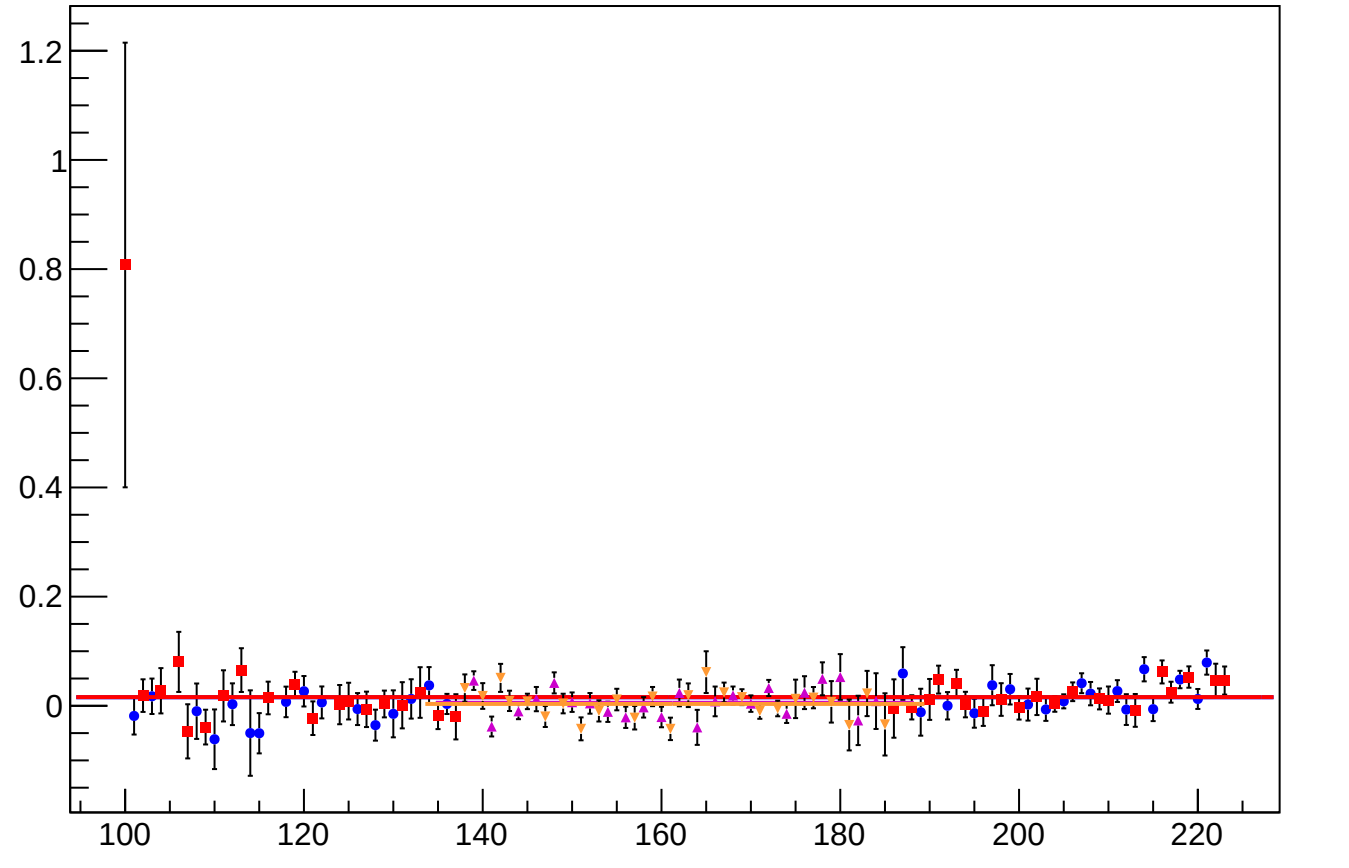
Right Out: 0.000+/-0.000 χ^2/NDF: 11560532.4/38

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15607719.0/58

All: 0.000+/-0.000 χ^2/NDF: 31008942.9/120

- sign 0.000+/-0.000 χ^2/NDF: 15259031.1/61



Right In: 0.016+/-0.004 χ^2/NDF: 39.7/33

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.016+/-0.004 χ^2/NDF: 36.3/38

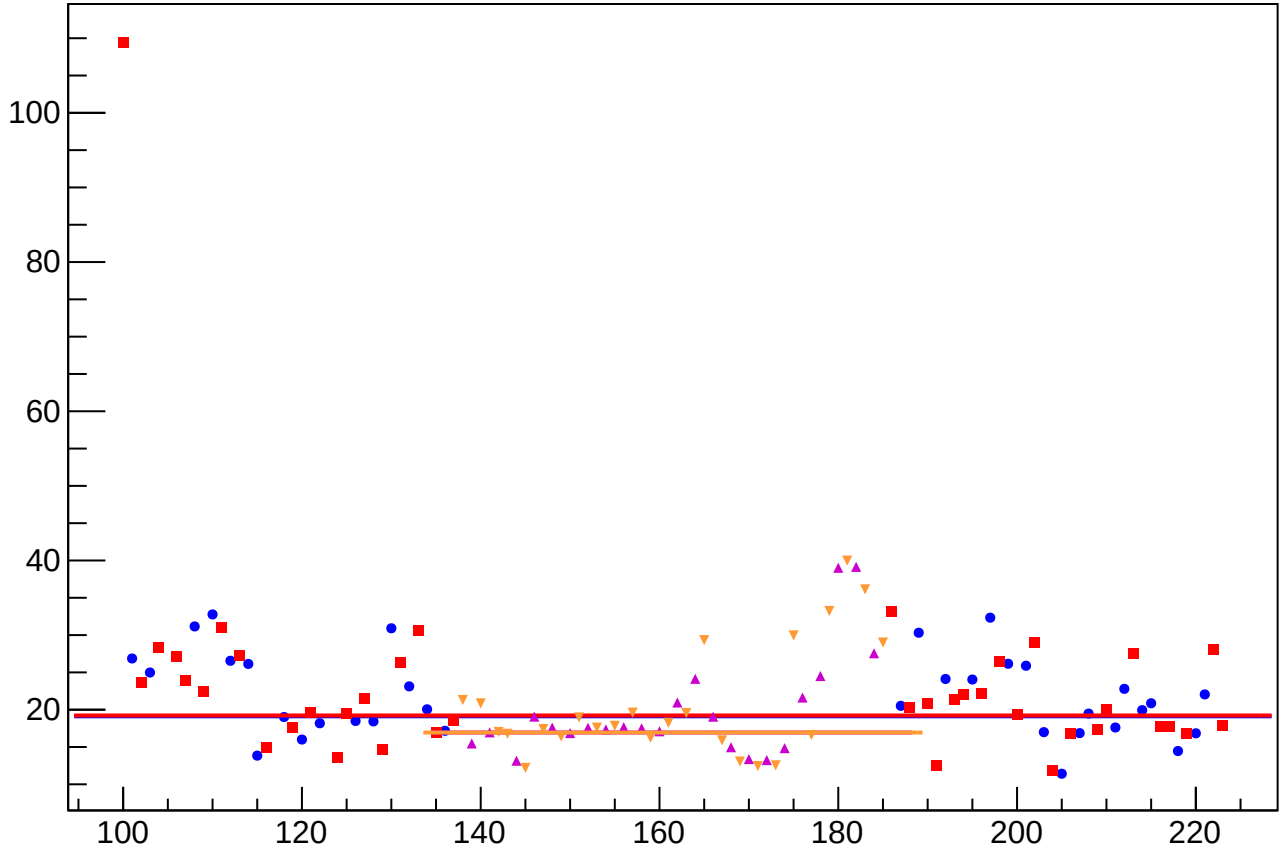
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 70.8/58

All: 0.010+/-0.002 χ^2/NDF: 143.5/120

- sign 0.011+/-0.003 χ^2/NDF: 72.6/61

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.114+/-0.003 χ^2/NDF: 2607930.2/33

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

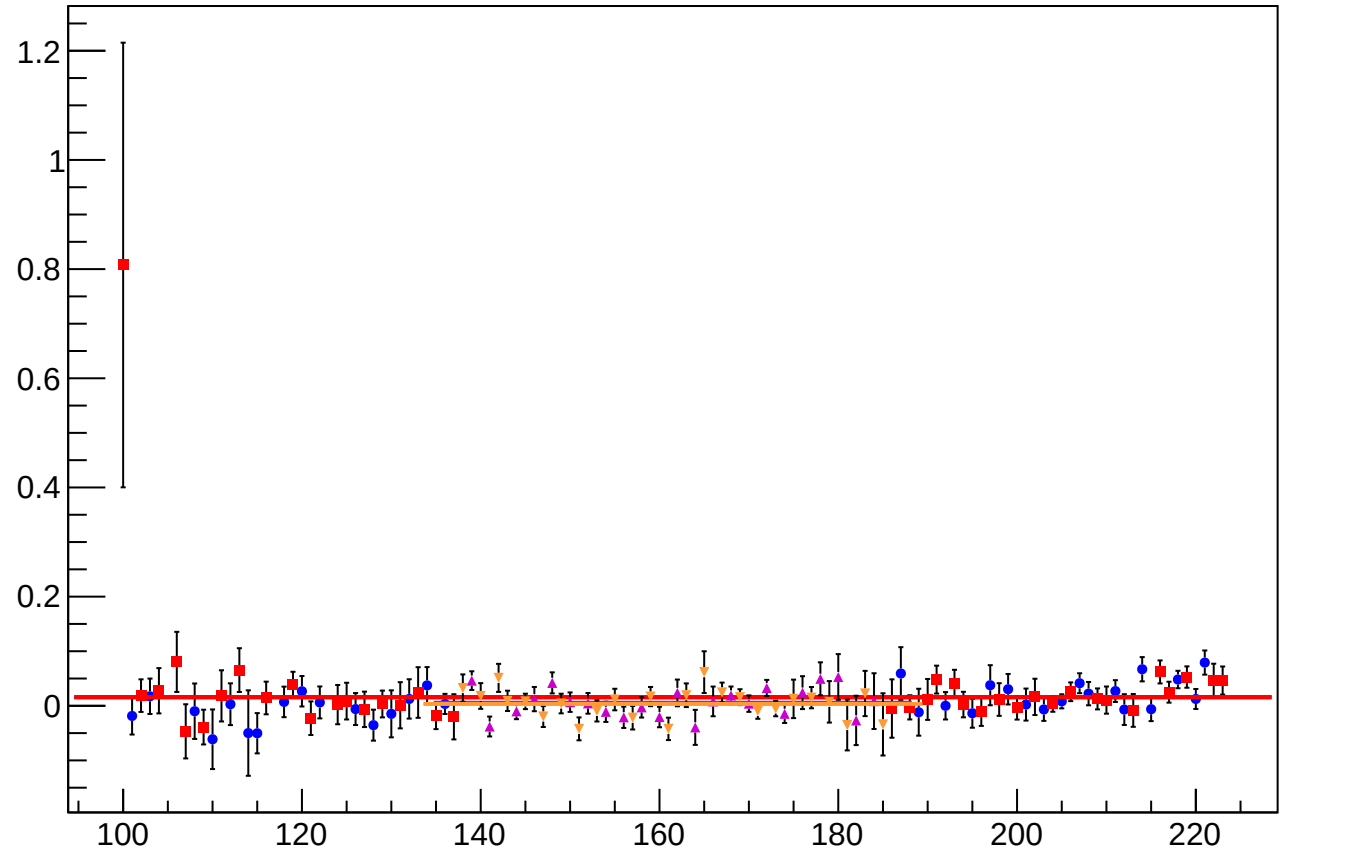
Right Out: 19.225+/-0.003 χ^2/NDF: 2516736.5/38

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.960+/-0.002 χ^2/NDF: 5710325.0/58

All: 18.005+/-0.001 χ^2/NDF: 10458062.4/120

- sign 18.052+/-0.002 χ^2/NDF: 4746796.0/61



Right In: 0.016+/-0.004 χ^2/NDF: 39.7/33

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

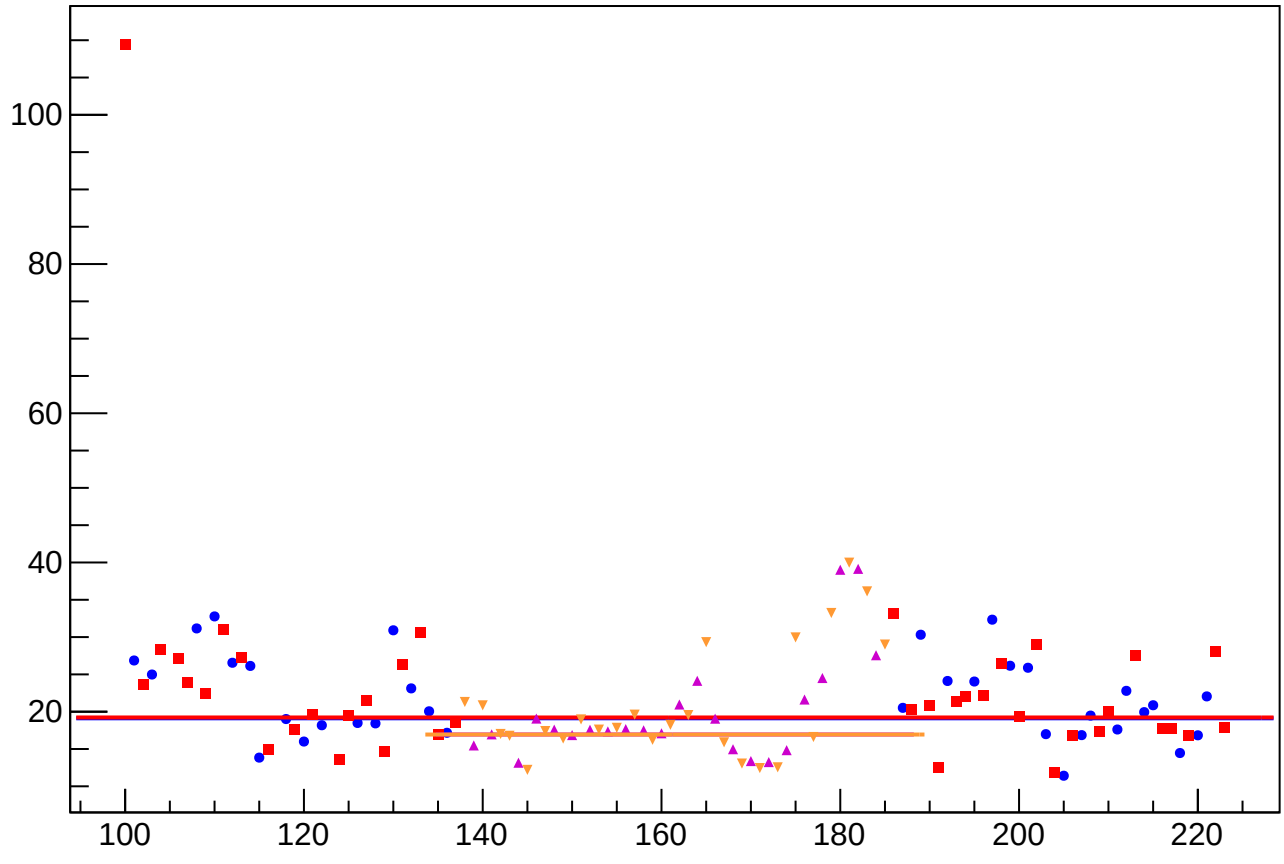
Right Out: 0.016+/-0.004 χ^2/NDF: 36.3/38

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 70.8/58

All: 0.010+/-0.002 χ^2/NDF: 143.5/120

- sign 0.011+/-0.003 χ^2/NDF: 72.6/61



Right In: 19.114+/-0.003 χ^2/NDF: 2607930.2/33

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

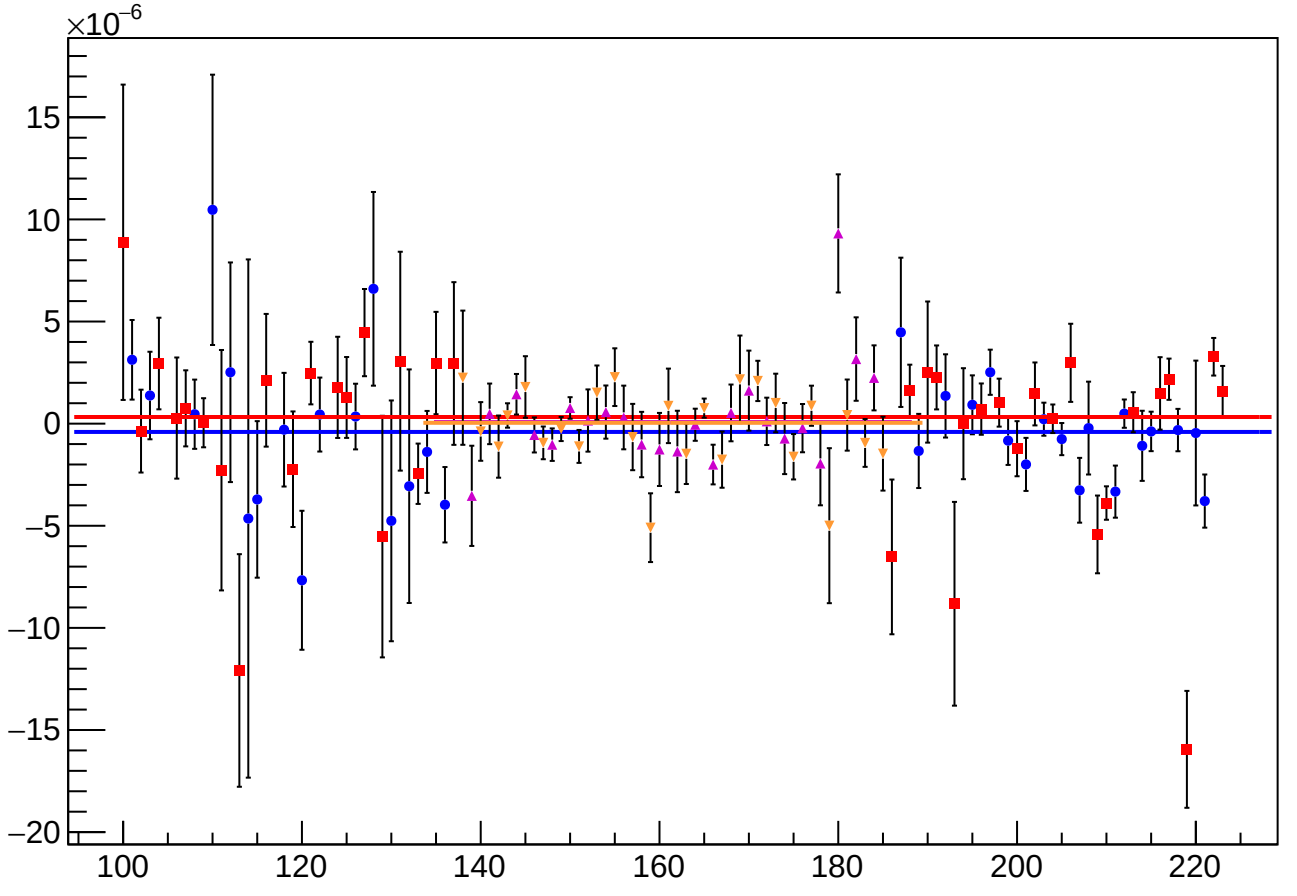
Right Out: 19.225+/-0.003 χ^2/NDF: 2516736.5/38

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.960+/-0.002 χ^2/NDF: 5710325.0/58

All: 18.005+/-0.001 χ^2/NDF: 10458062.4/120

\- sign 18.052+/-0.002 χ^2/NDF: 4746796.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 50.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

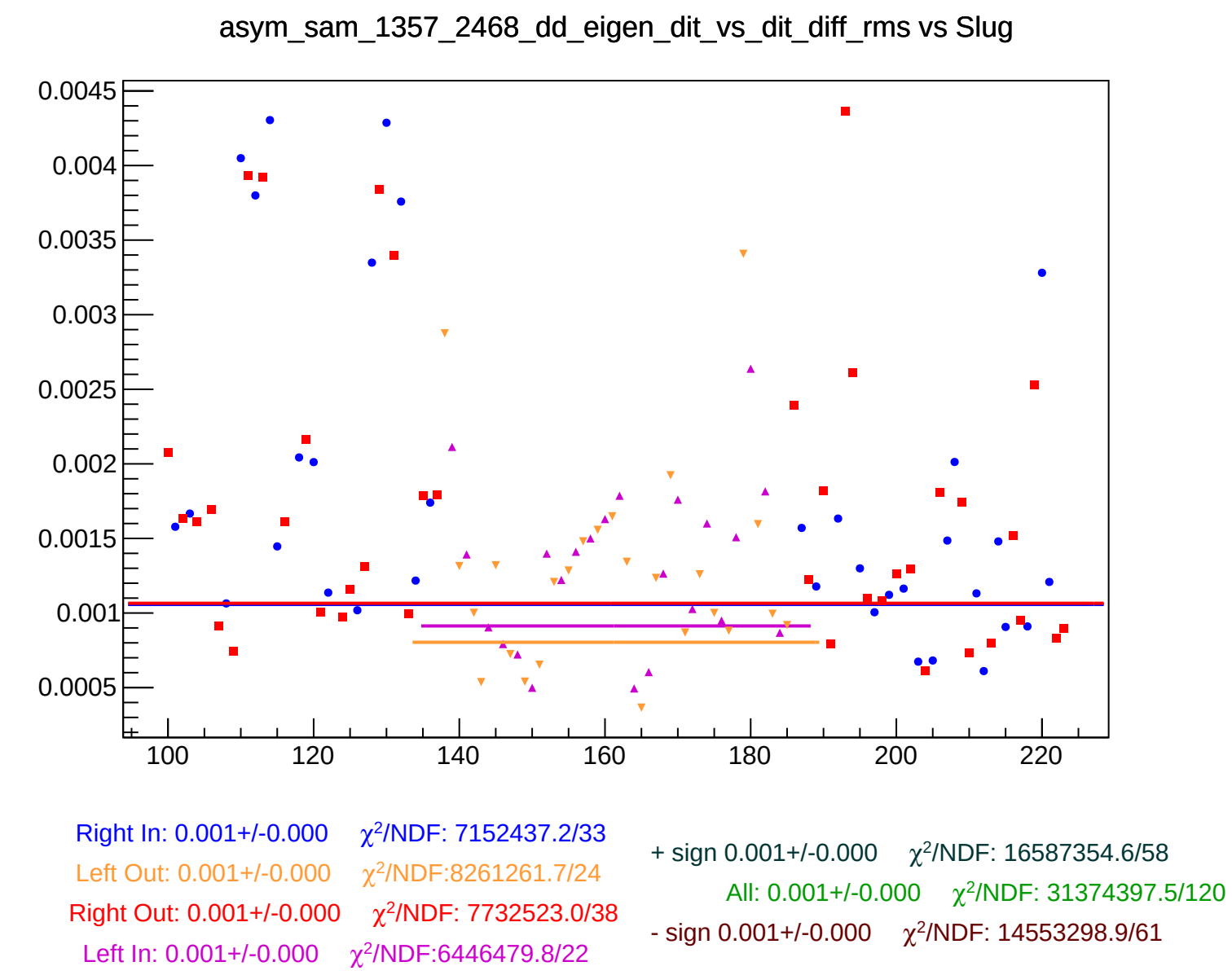
Right Out: 0.000+/-0.000 χ^2/NDF: 118.4/38

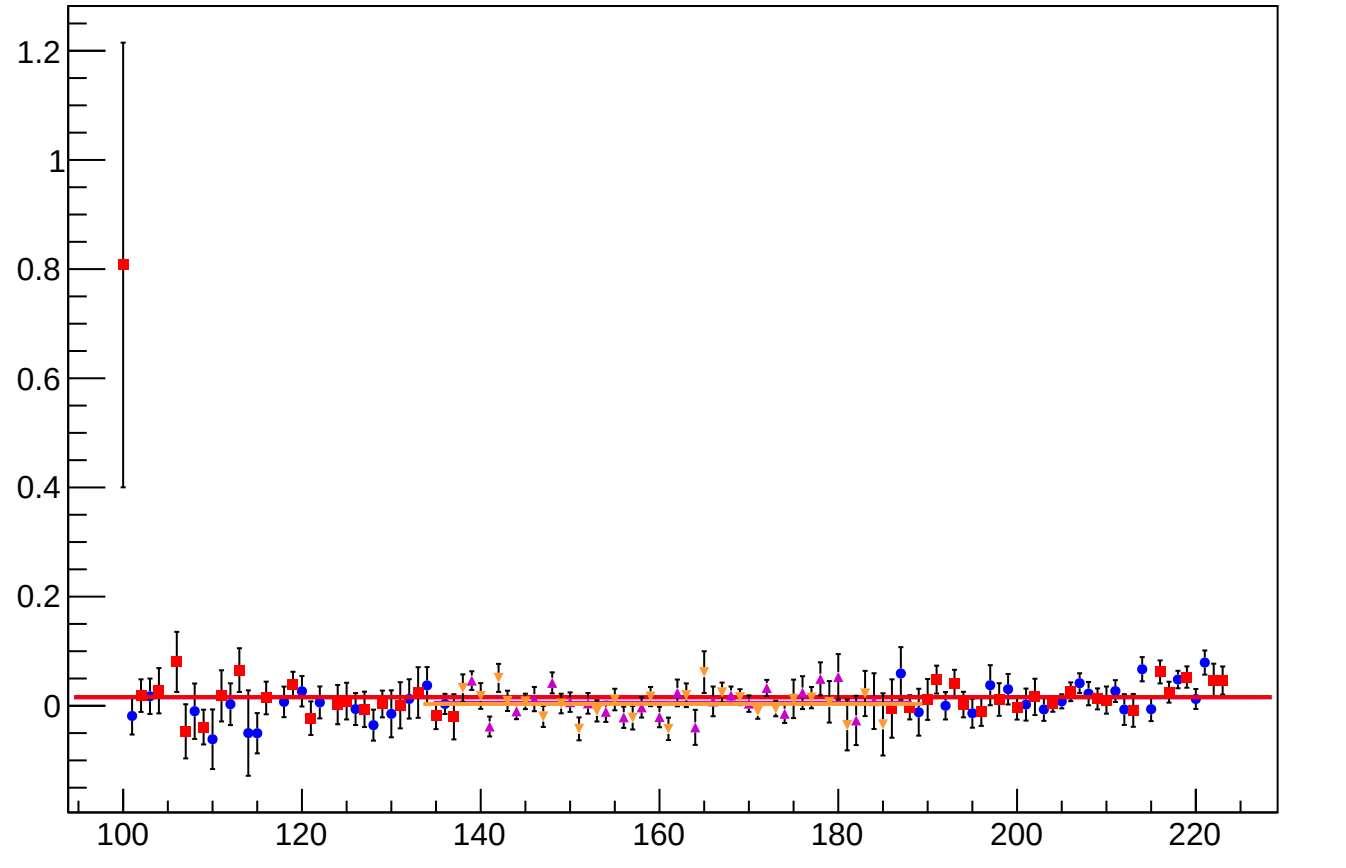
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.1/58

All: 0.000+/-0.000 χ^2/NDF: 241.0/120

- sign 0.000+/-0.000 χ^2/NDF: 149.9/61


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 7152437.2/33
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 7732523.0/38
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 16587354.6/58
All: 0.001+/-0.000 χ²/NDF: 31374397.5/120
- sign 0.001+/-0.000 χ²/NDF: 14553298.9/61



Right In: 0.016+/-0.004 χ^2/NDF: 39.7/33

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

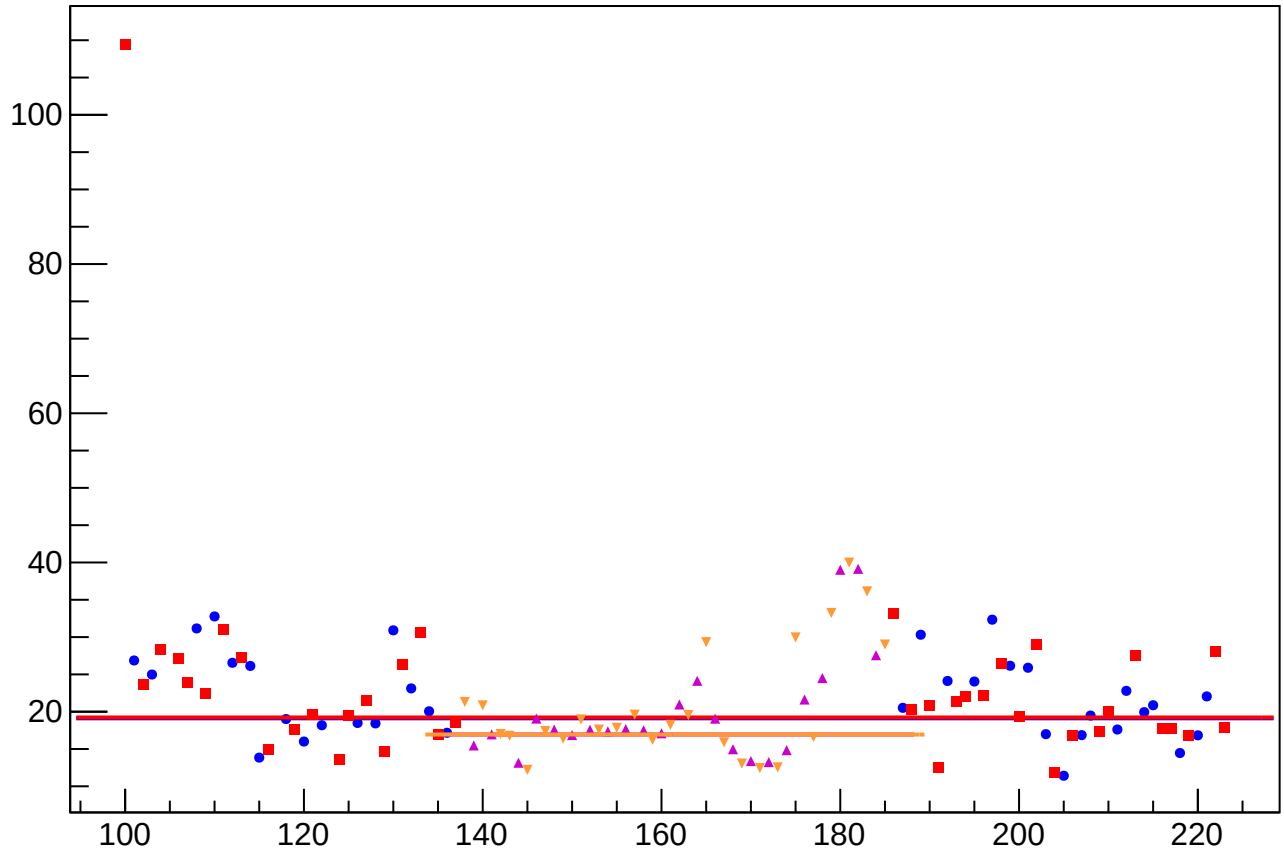
Right Out: 0.016+/-0.004 χ^2/NDF: 36.3/38

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 70.8/58

All: 0.010+/-0.002 χ^2/NDF: 143.5/120

- sign 0.011+/-0.003 χ^2/NDF: 72.6/61



Right In: 19.114+/-0.003 χ^2/NDF: 2608032.5/33

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

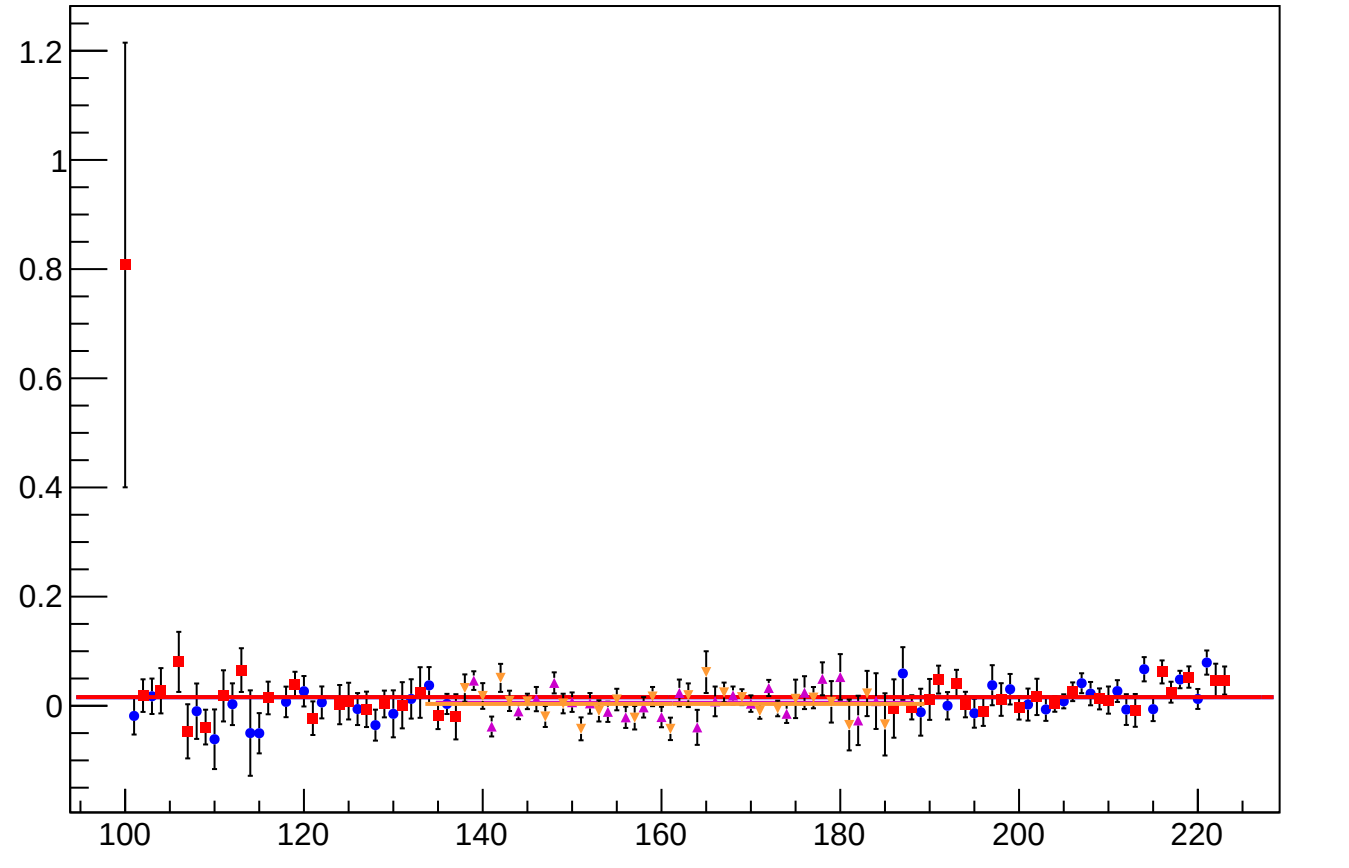
Right Out: 19.225+/-0.003 χ^2/NDF: 2516747.3/38

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.960+/-0.002 χ^2/NDF: 5710253.4/58

All: 18.005+/-0.001 χ^2/NDF: 10457935.9/120

- sign 18.052+/-0.002 χ^2/NDF: 4746738.7/61



Right In: 0.016+/-0.004 χ^2/NDF: 39.7/33

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

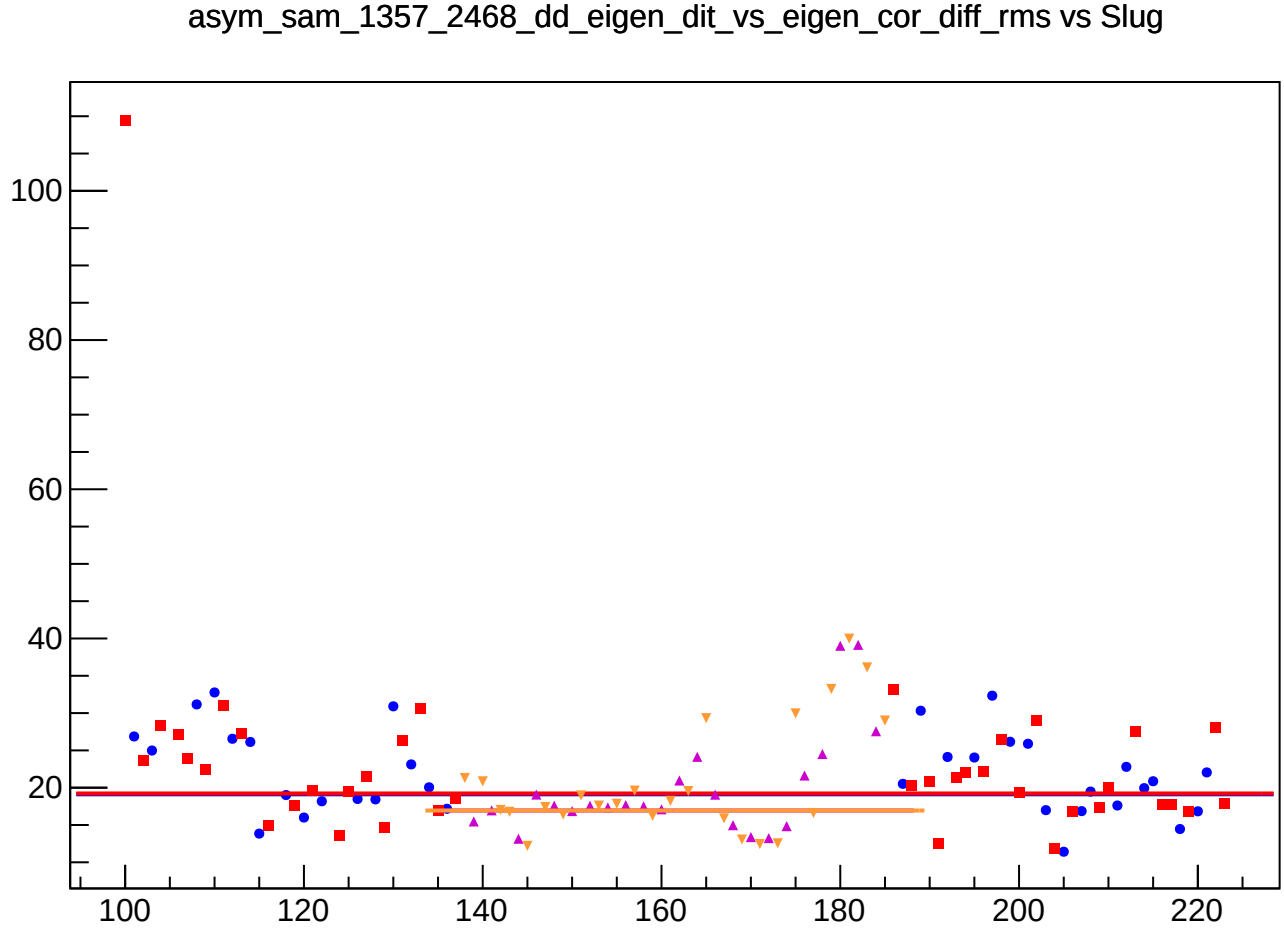
Right Out: 0.016+/-0.004 χ^2/NDF: 36.3/38

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 70.8/58

All: 0.010+/-0.002 χ^2/NDF: 143.5/120

- sign 0.011+/-0.003 χ^2/NDF: 72.6/61



Right In: 19.114+/-0.003 χ^2/NDF: 2608032.5/33

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

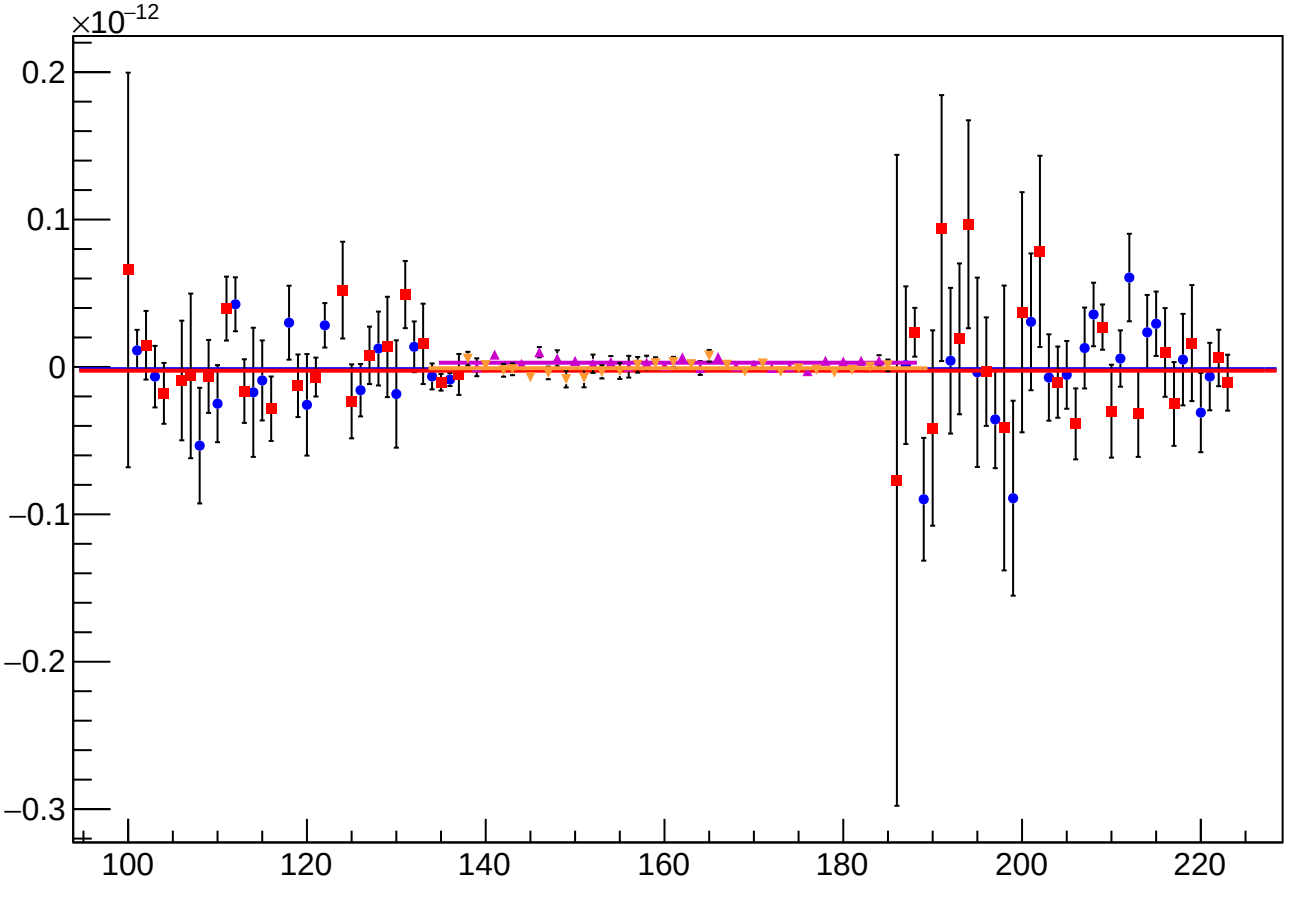
Right Out: 19.225+/-0.003 χ^2/NDF: 2516747.3/38

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.960+/-0.002 χ^2/NDF: 5710253.4/58

All: 18.005+/-0.001 χ^2/NDF: 10457935.9/120

- sign 18.052+/-0.002 χ^2/NDF: 4746738.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 40.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

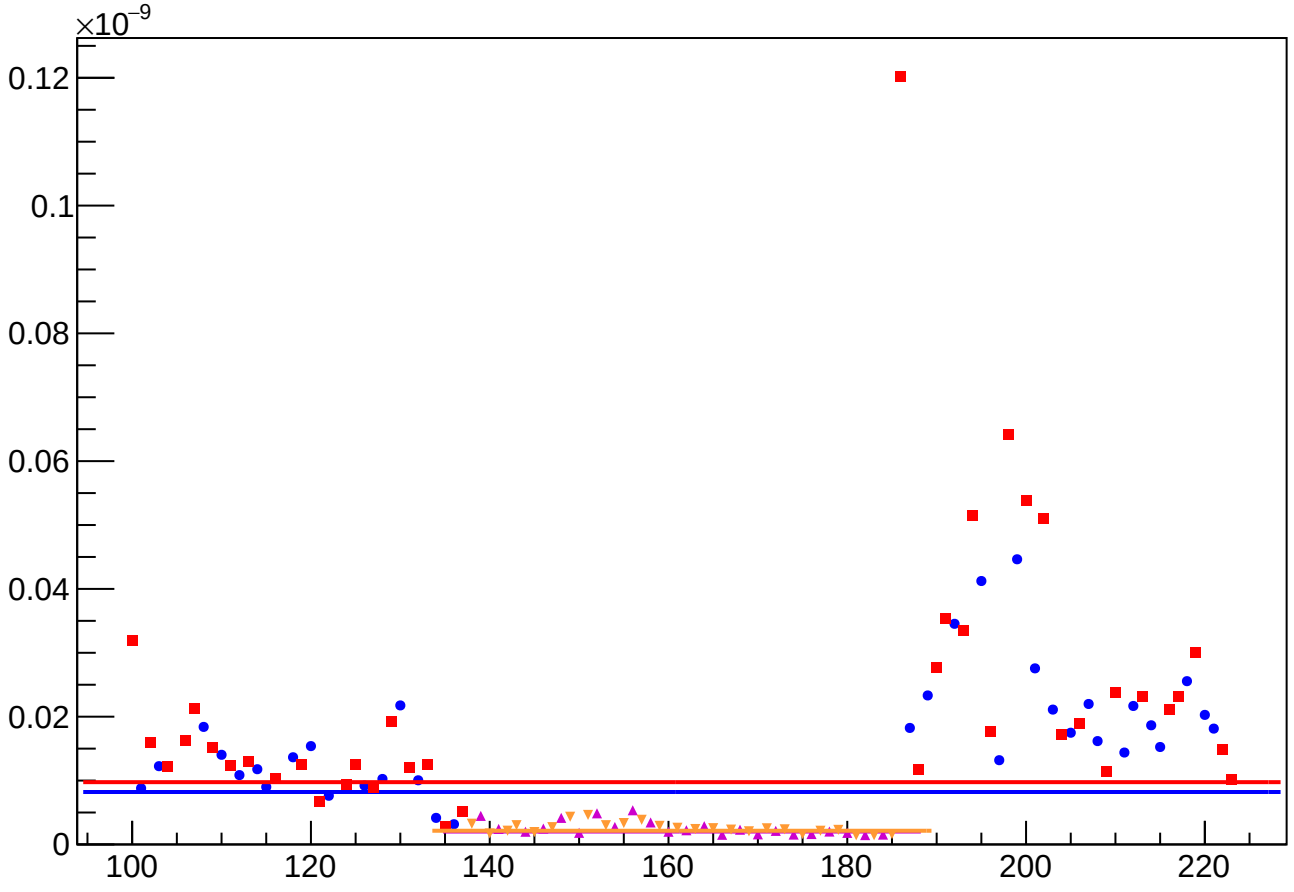
Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/38

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/58

All: 0.000+/-0.000 χ^2/NDF: 142.2/120

- sign 0.000+/-0.000 χ^2/NDF: 62.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 10396053.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10937215.3/38

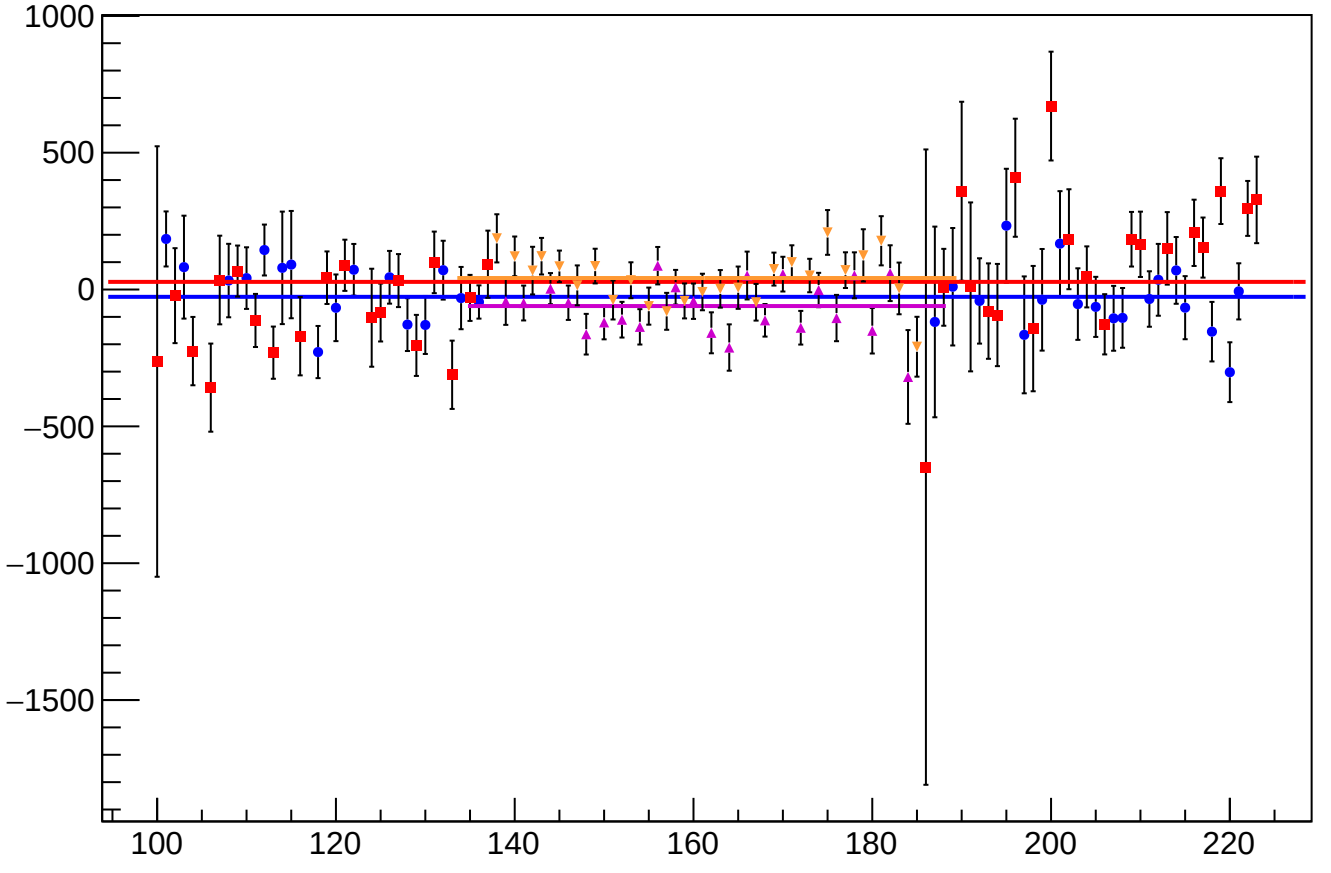
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20718972.3/58

All: 0.000+/-0.000 χ^2/NDF: 44577407.8/120

- sign 0.000+/-0.000 χ^2/NDF: 23819216.6/61

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -26.719+/-20.059 χ^2/NDF: 31.5/33

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 27.938+/-20.346 χ^2/NDF: 82.2/38

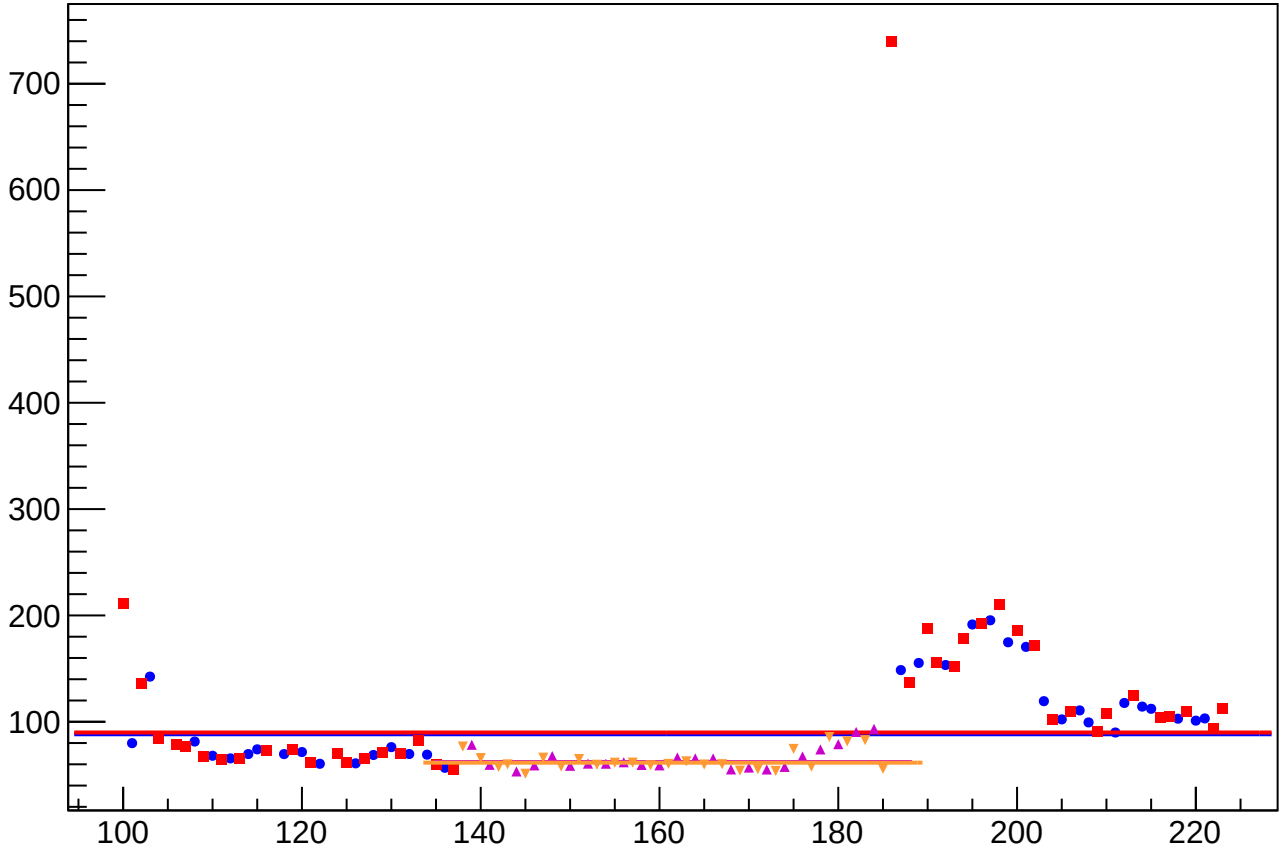
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.107+/-11.580 χ^2/NDF: 71.3/58

All: -4.754+/-8.307 χ^2/NDF: 206.8/120

- sign -30.050+/-11.923 χ^2/NDF: 126.7/61

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 88.260+/-0.014 χ^2/NDF: 4631626.2/33

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

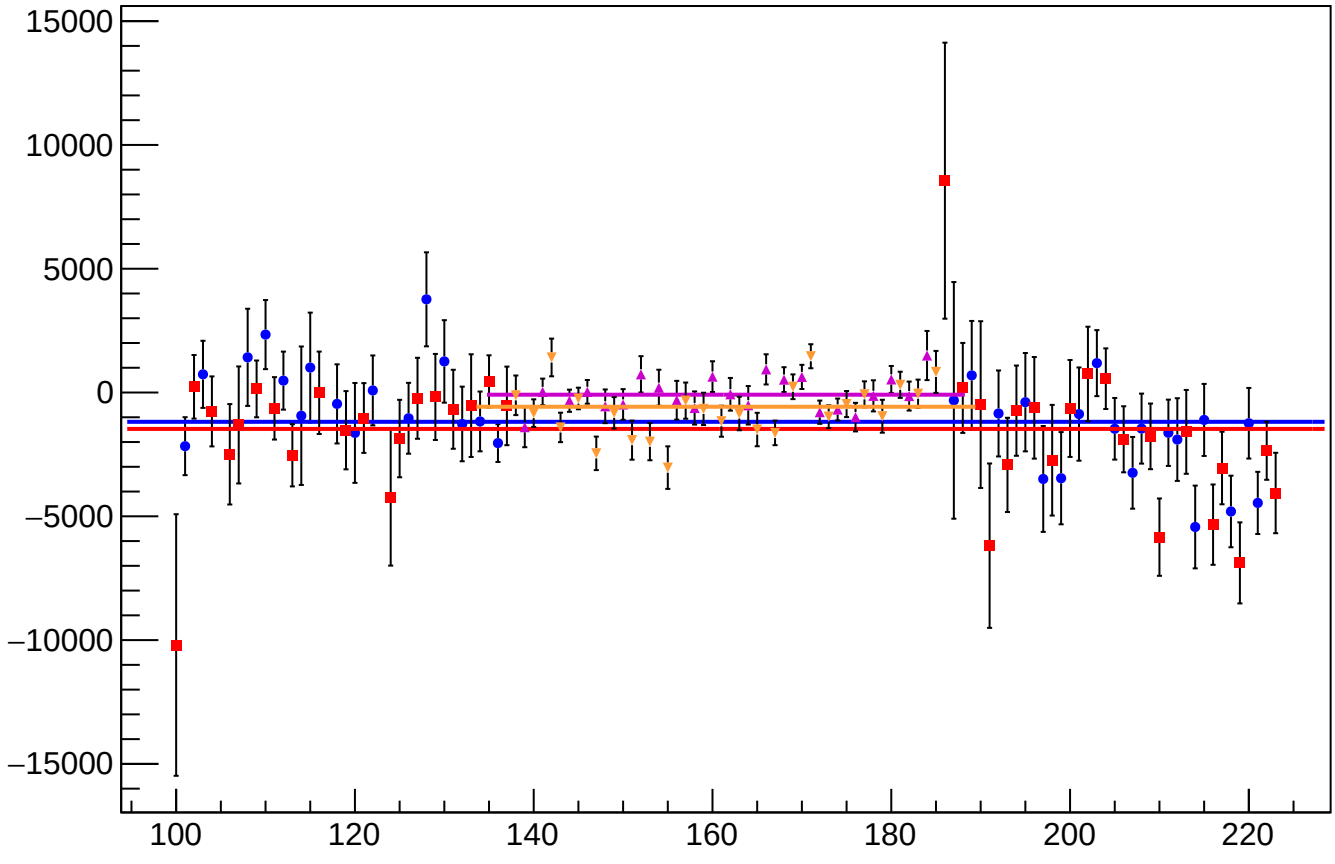
Right Out: 89.930+/-0.014 χ^2/NDF: 5822575.1/38

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 70.447+/-0.008 χ^2/NDF: 7635024.2/58

All: 71.048+/-0.006 χ^2/NDF: 16514493.8/120

- sign 71.686+/-0.008 χ^2/NDF: 8868367.9/61



Right In: -1183.353+/-255.022 χ^2/NDF: 53.9/33

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -1470.290+/-258.466 χ^2/NDF: 55.9/38

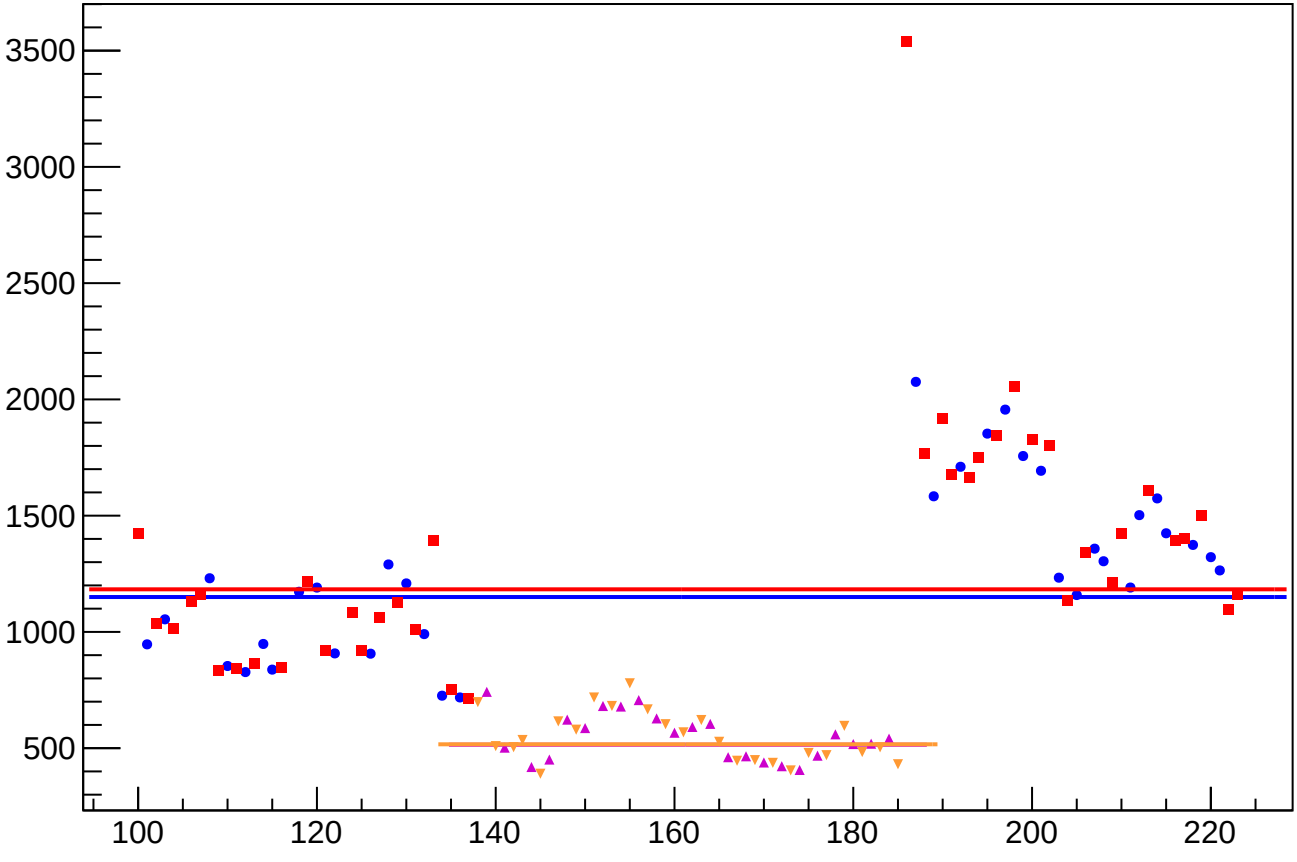
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -684.734+/-108.384 χ^2/NDF: 127.3/58

All: -516.875+/-77.442 χ^2/NDF: 236.0/120

- sign -341.795+/-110.691 χ^2/NDF: 103.8/61

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1150.049+/-0.180 χ^2/NDF: 3138998.2/33

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1183.210+/-0.183 χ^2/NDF: 3639181.0/38

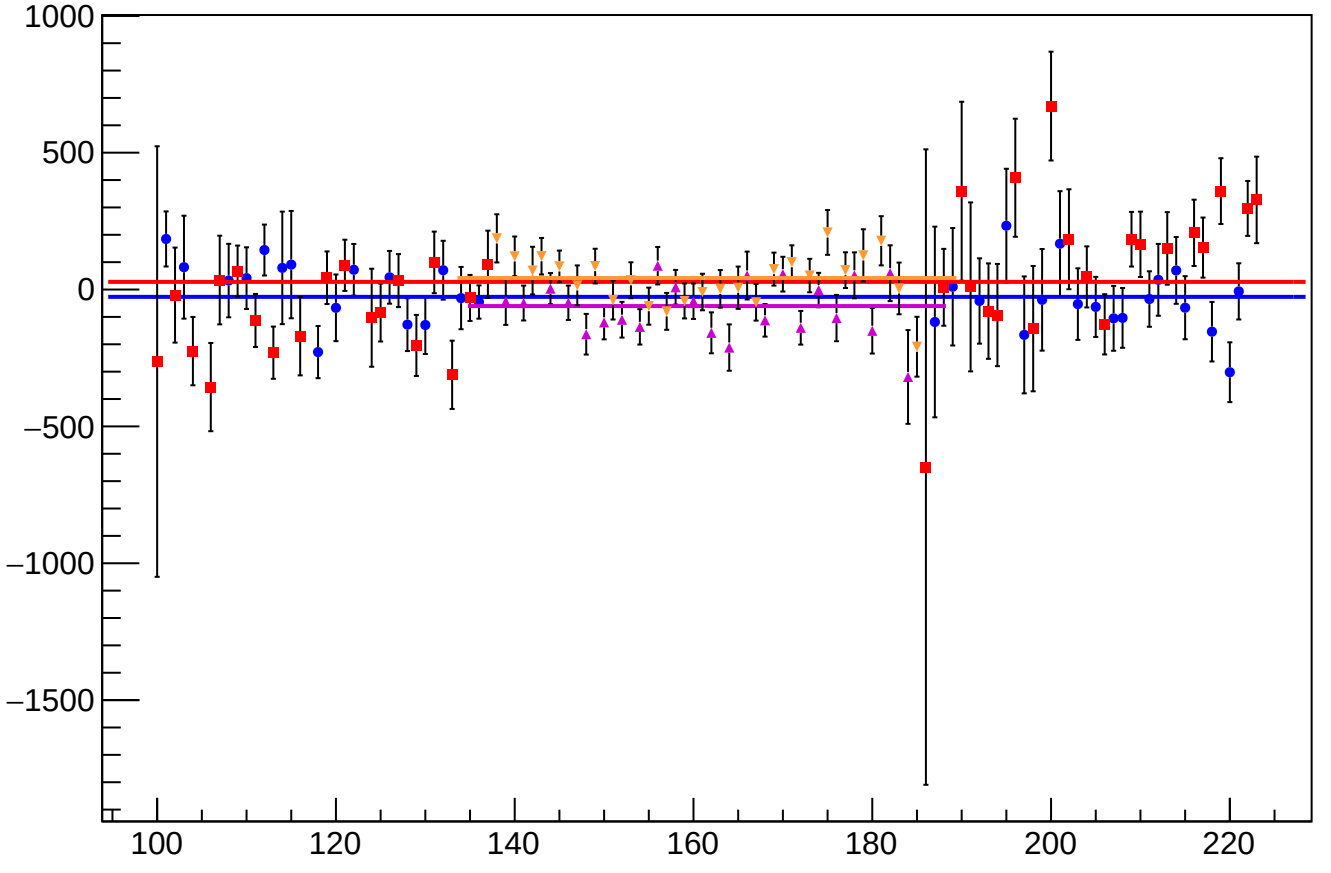
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 631.046+/-0.077 χ^2/NDF: 14513685.7/58

All: 634.144+/-0.055 χ^2/NDF: 30199564.7/12

- sign 637.376+/-0.078 χ^2/NDF: 15682539.6/61

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -26.725+/-20.059 χ^2/NDF: 31.5/33

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 28.013+/-20.347 χ^2/NDF: 82.1/38

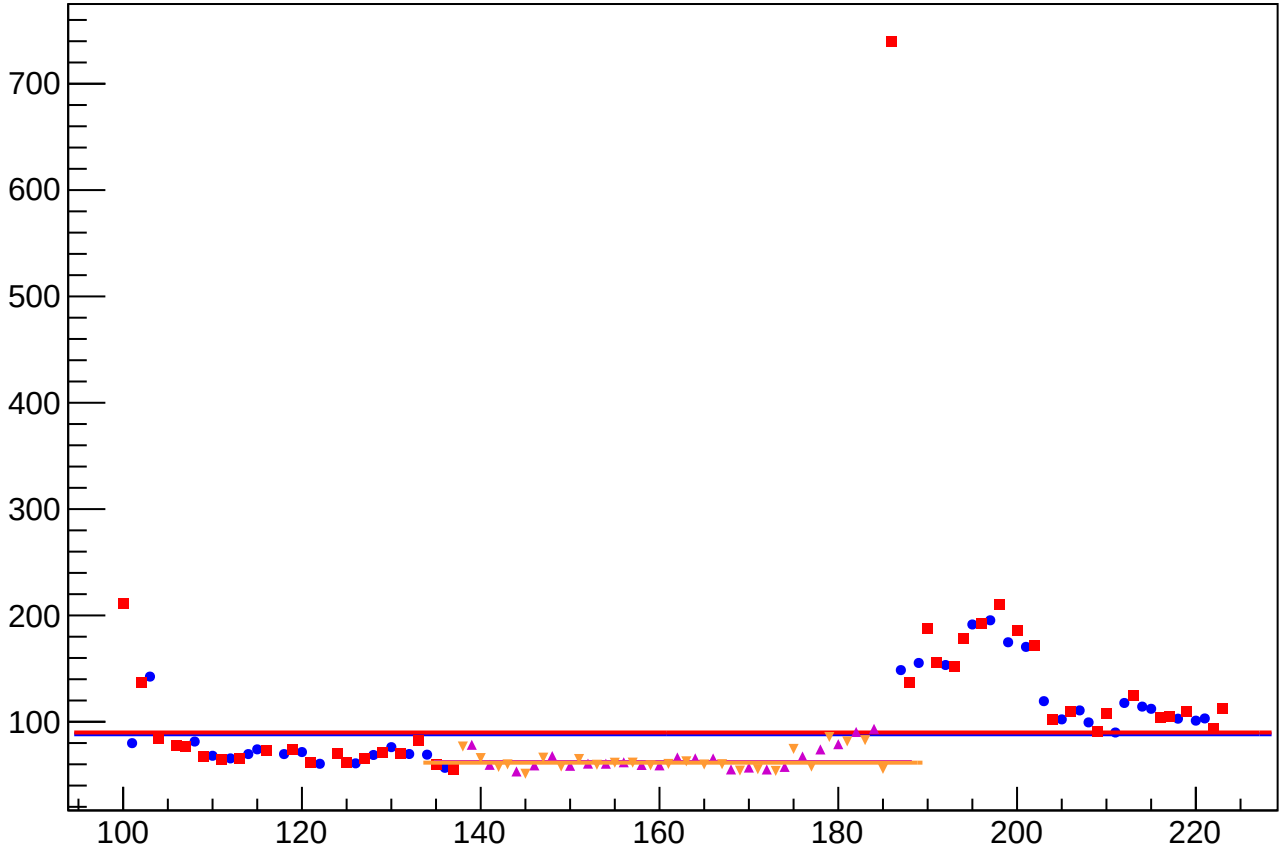
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.109+/-11.580 χ^2/NDF: 71.3/58

All: -4.741+/-8.307 χ^2/NDF: 206.7/120

- sign -30.025+/-11.923 χ^2/NDF: 126.6/61

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 88.260+/-0.014 χ^2/NDF: 4631629.2/33

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 89.919+/-0.014 χ^2/NDF: 5824112.3/38

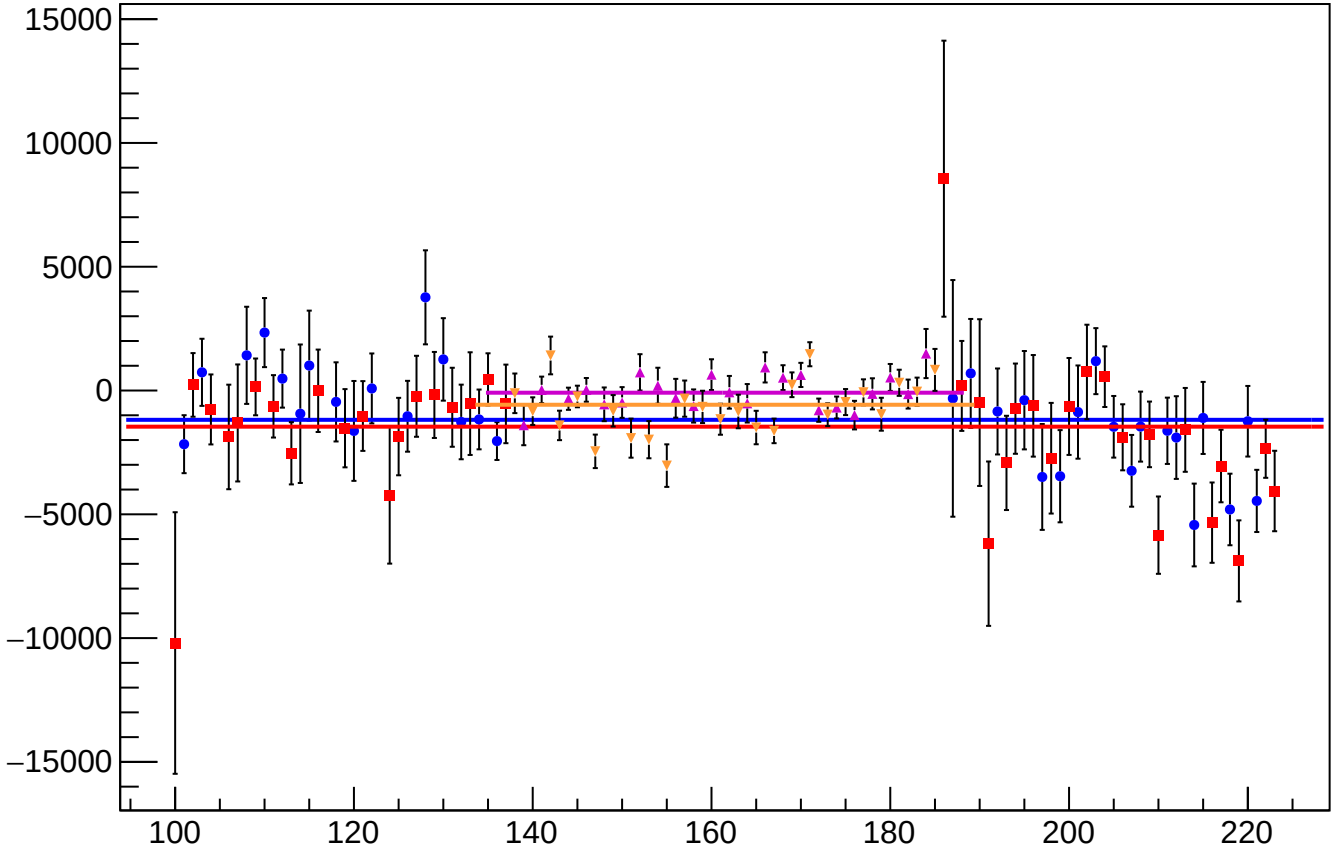
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 70.447+/-0.008 χ^2/NDF: 7635027.3/58

All: 71.046+/-0.006 χ^2/NDF: 16514040.5/120

- sign 71.682+/-0.008 χ^2/NDF: 8867981.4/61

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -1183.342+/-255.023 χ^2/NDF: 53.9/33

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -1460.010+/-258.637 χ^2/NDF: 55.6/38

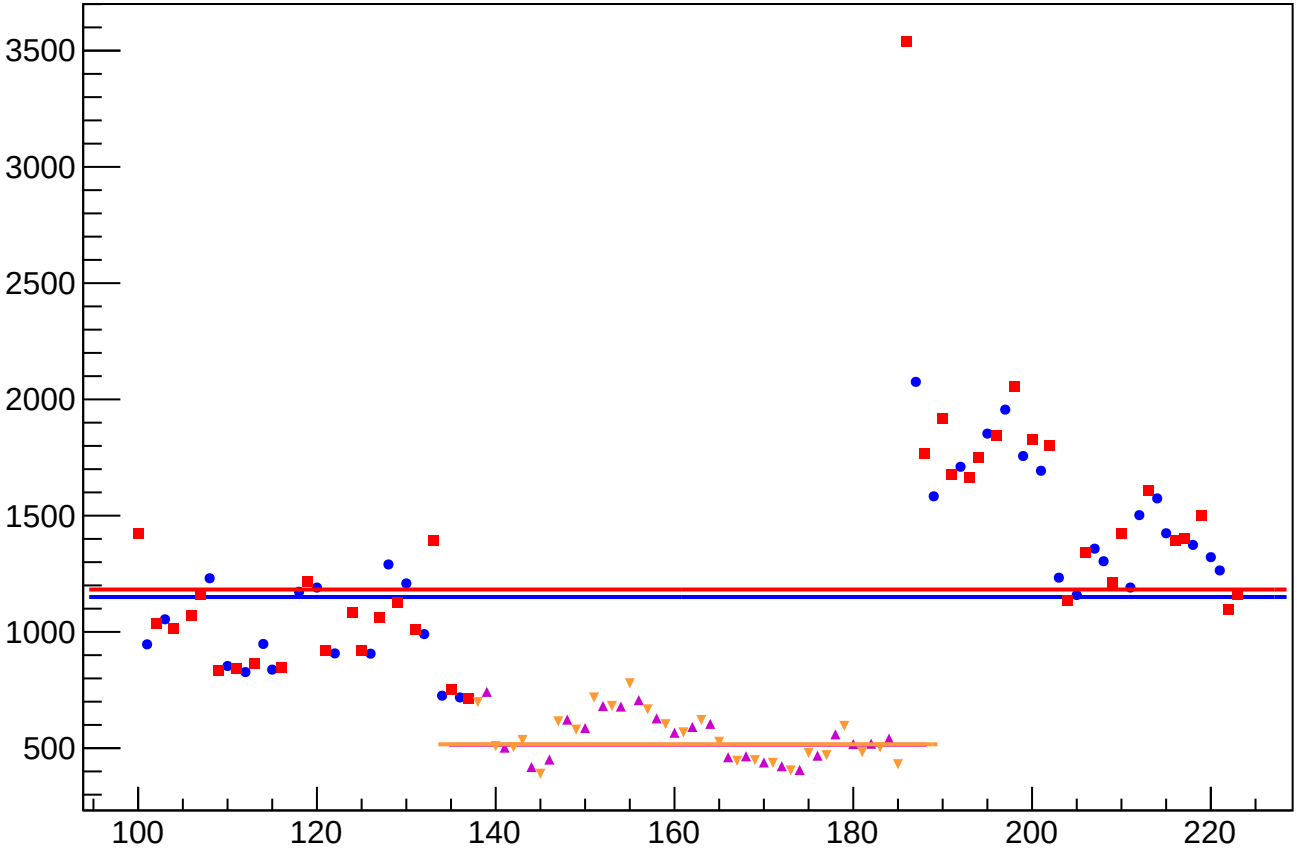
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -684.726+/-108.384 χ^2/NDF: 127.3/58

All: -515.835+/-77.447 χ^2/NDF: 235.5/120

- sign -339.638+/-110.704 χ^2/NDF: 103.2/61

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 1150.052+/-0.180 χ^2/NDF: 3138985.1/33

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1182.373+/-0.183 χ^2/NDF: 3643385.7/38

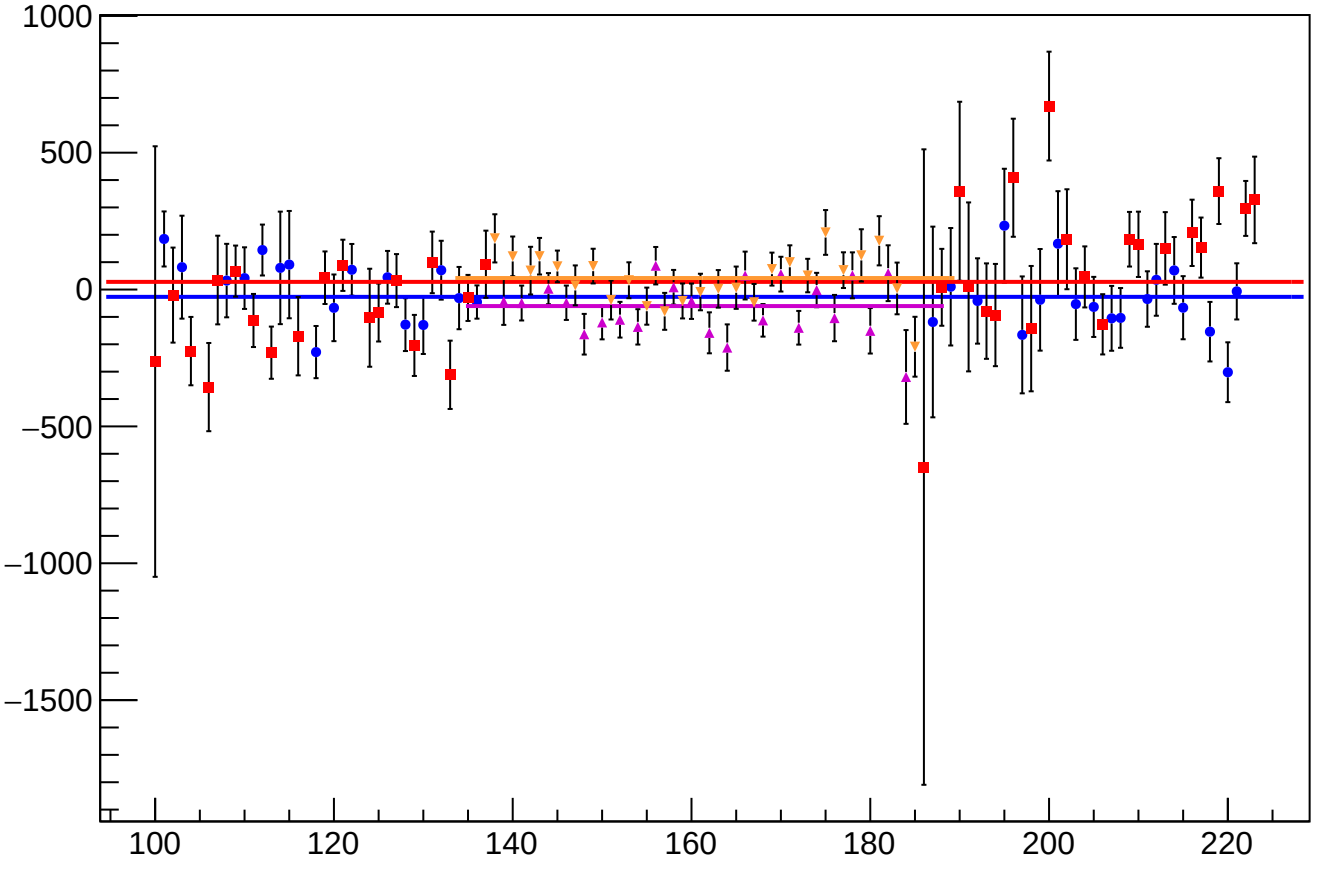
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 631.045+/-0.077 χ^2/NDF: 14513742.4/58

All: 634.004+/-0.055 χ^2/NDF: 30164451.7/12

- sign 637.090+/-0.078 χ^2/NDF: 15647664.5/61

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -26.725+/-20.059 χ^2/NDF: 31.5/33

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 28.013+/-20.347 χ^2/NDF: 82.1/38

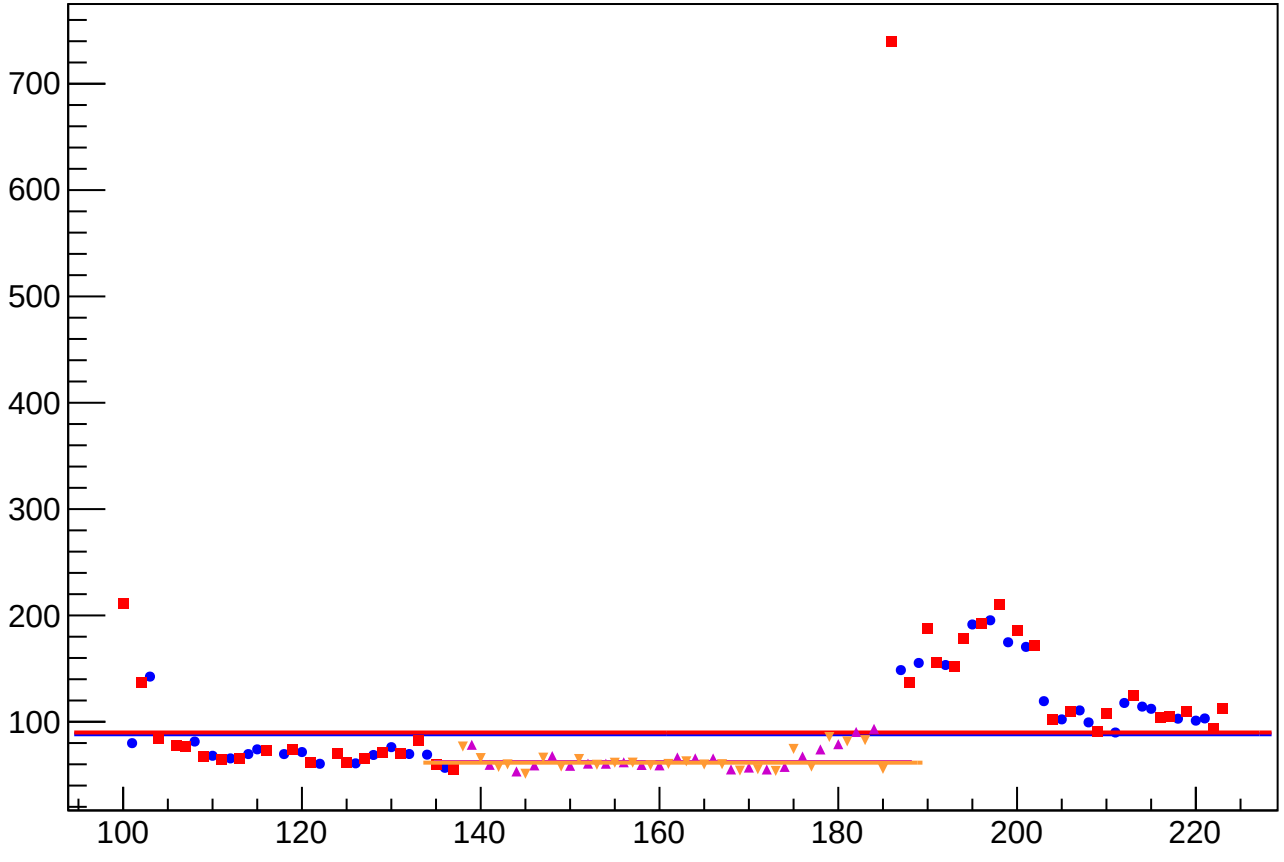
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.109+/-11.580 χ^2/NDF: 71.3/58

All: -4.741+/-8.307 χ^2/NDF: 206.7/120

- sign -30.025+/-11.923 χ^2/NDF: 126.6/61

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 88.260+/-0.014 χ^2/NDF: 4631629.2/33

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 89.919+/-0.014 χ^2/NDF: 5824112.3/38

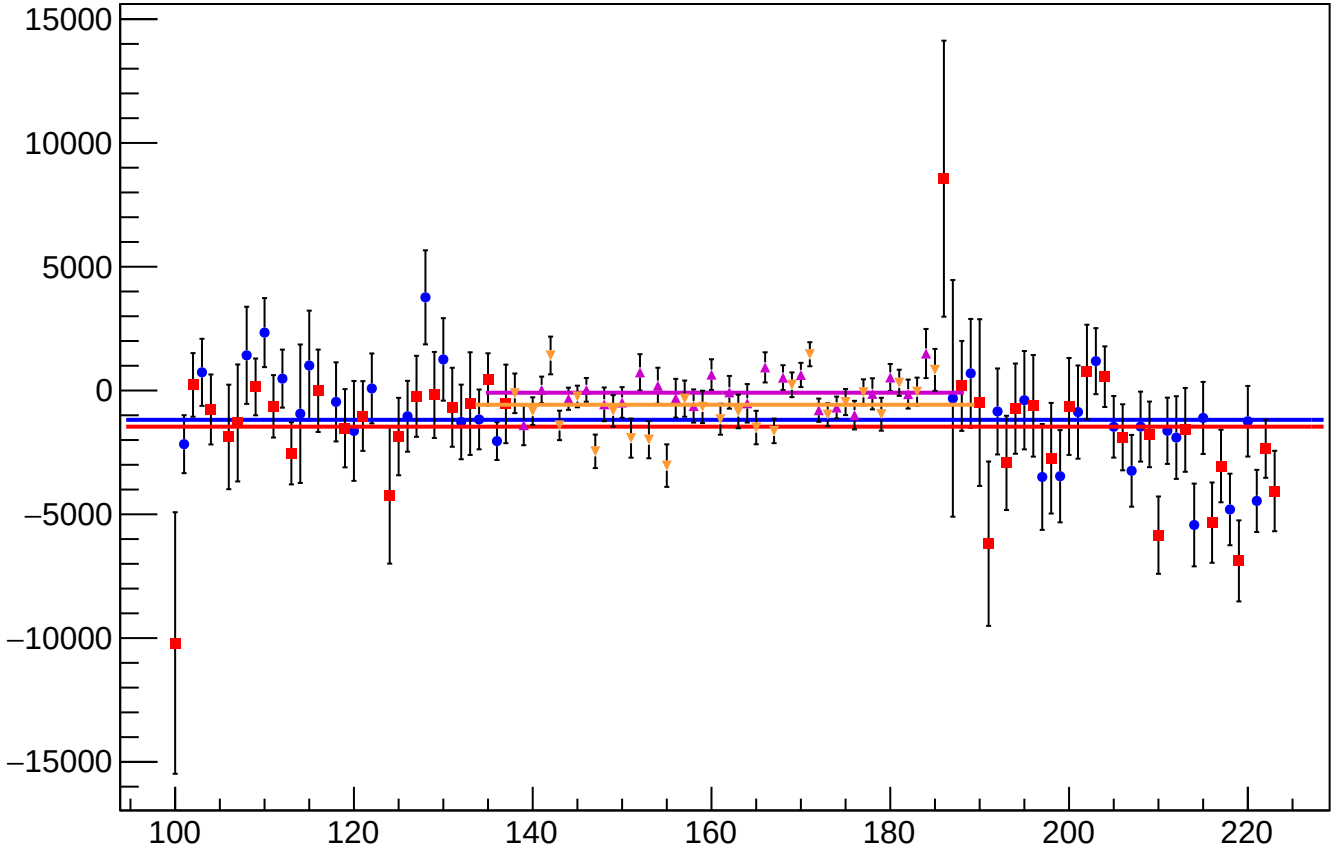
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 70.447+/-0.008 χ^2/NDF: 7635027.3/58

All: 71.046+/-0.006 χ^2/NDF: 16514040.5/120

- sign 71.682+/-0.008 χ^2/NDF: 8867981.4/61

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -1183.342+/-255.023 χ^2/NDF: 53.9/33

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

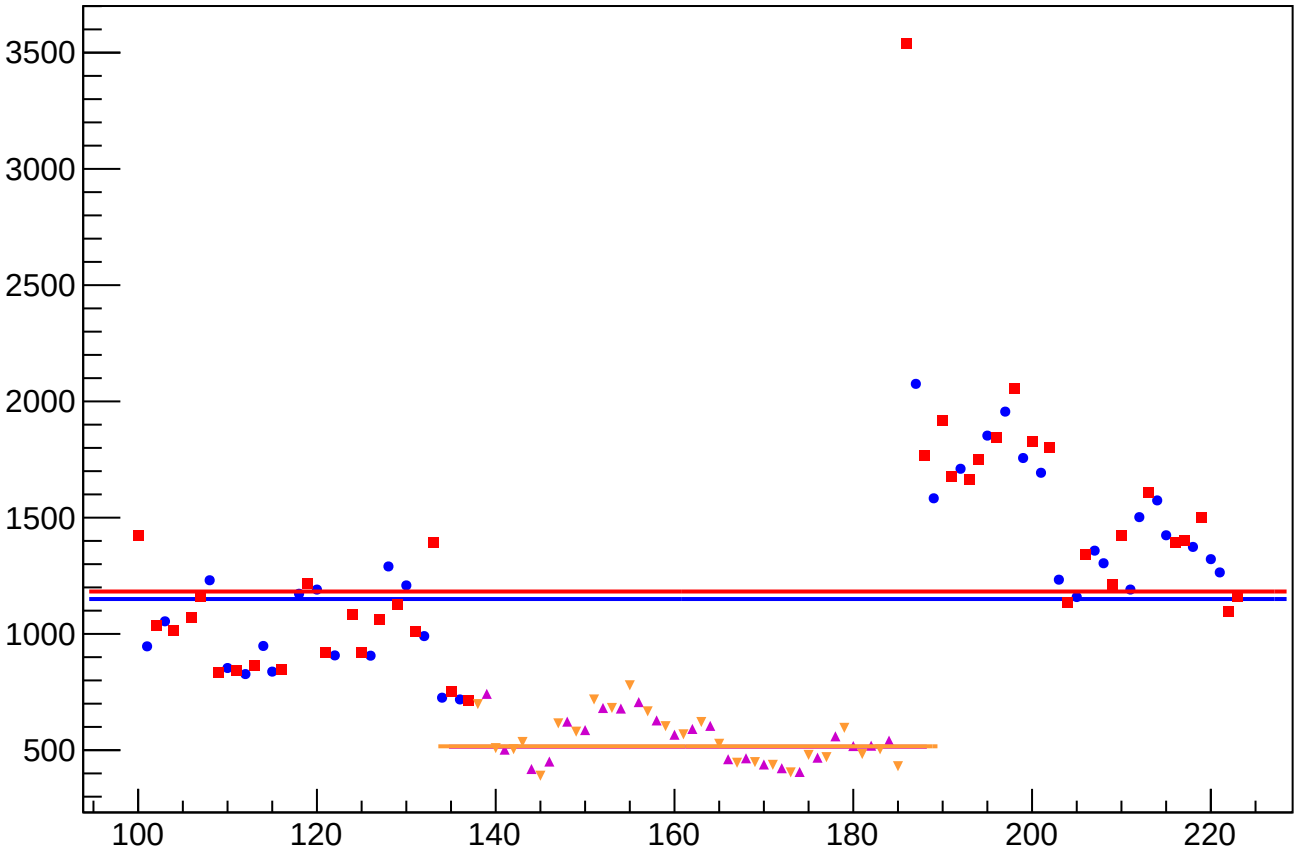
Right Out: -1460.010+/-258.637 χ^2/NDF: 55.6/38

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -684.726+/-108.384 χ^2/NDF: 127.3/58

All: -515.835+/-77.447 χ^2/NDF: 235.5/120

- sign -339.638+/-110.704 χ^2/NDF: 103.2/61



Right In: 1150.052+/-0.180 χ^2/NDF: 3138985.1/33

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1182.373+/-0.183 χ^2/NDF: 3643385.7/38

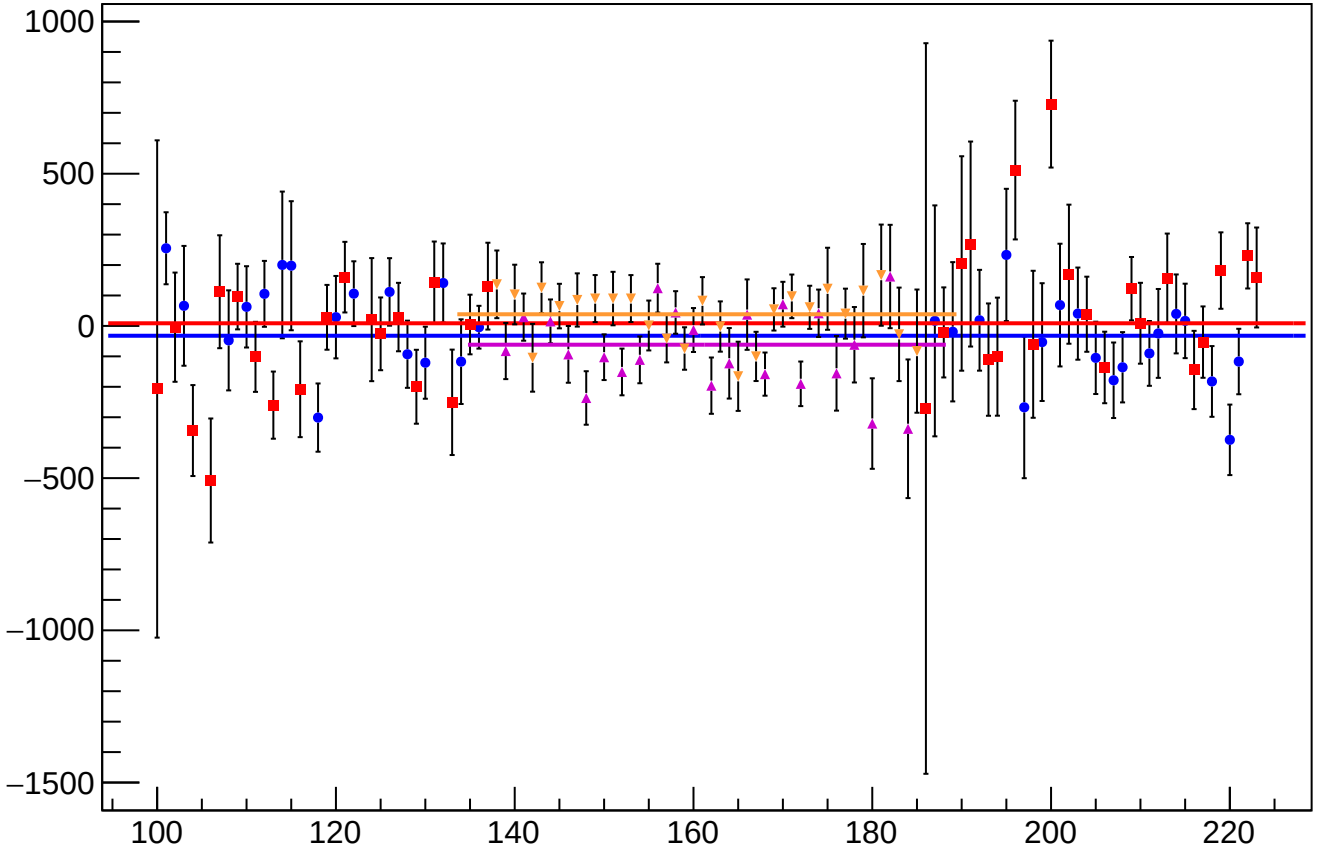
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 631.045+/-0.077 χ^2/NDF: 14513742.4/58

All: 634.004+/-0.055 χ^2/NDF: 30164451.7/12

- sign 637.090+/-0.078 χ^2/NDF: 15647664.5/61

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -32.271+/-22.413 χ^2/NDF: 40.4/33

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 8.693+/-22.863 χ^2/NDF: 62.2/38

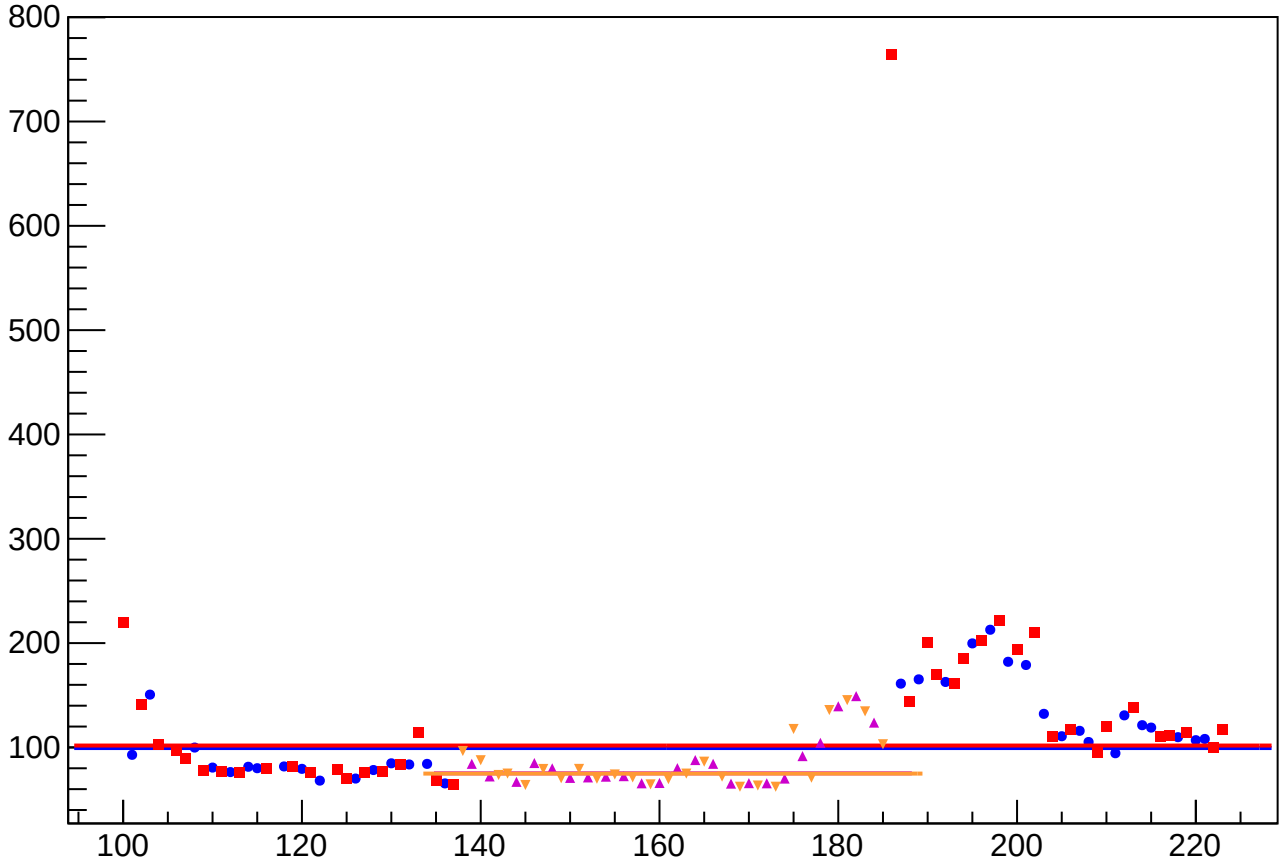
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 11.240+/-13.876 χ^2/NDF: 65.3/58

All: -11.010+/-9.936 χ^2/NDF: 175.3/120

- sign -34.426+/-14.235 χ^2/NDF: 104.8/61

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 99.397+/-0.016 χ^2/NDF: 3810434.1/33

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

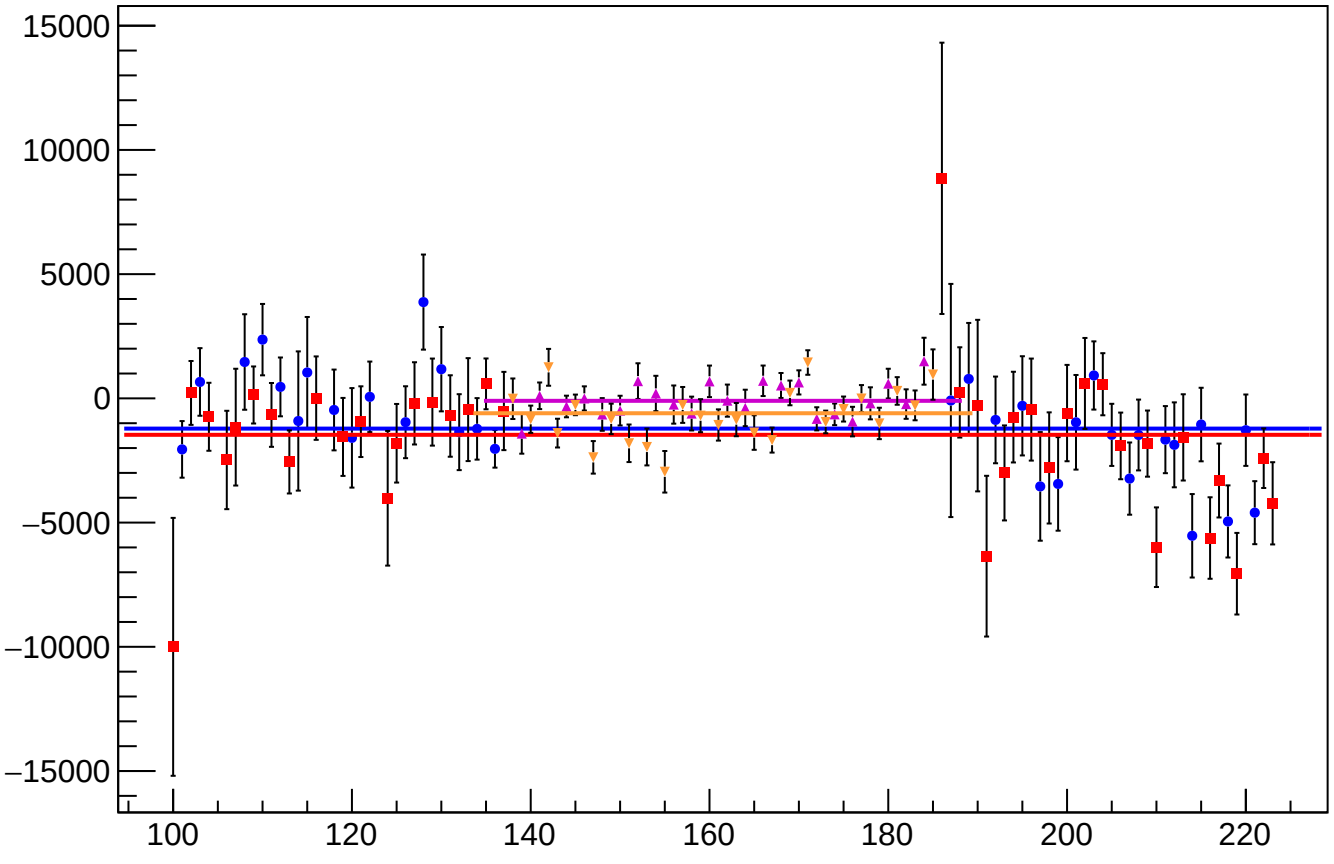
Right Out: 101.796+/-0.016 χ^2/NDF: 5021334.8/38

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

\+ sign 84.291+/-0.010 χ^2/NDF: 6945107.7/58

All: 84.872+/-0.007 χ^2/NDF: 14948957.1/120

\- sign 85.483+/-0.010 χ^2/NDF: 7996656.8/61



Right In: -1216.980+/-256.776 χ^2/NDF: 53.7/33

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -1466.940+/-259.312 χ^2/NDF: 59.4/38

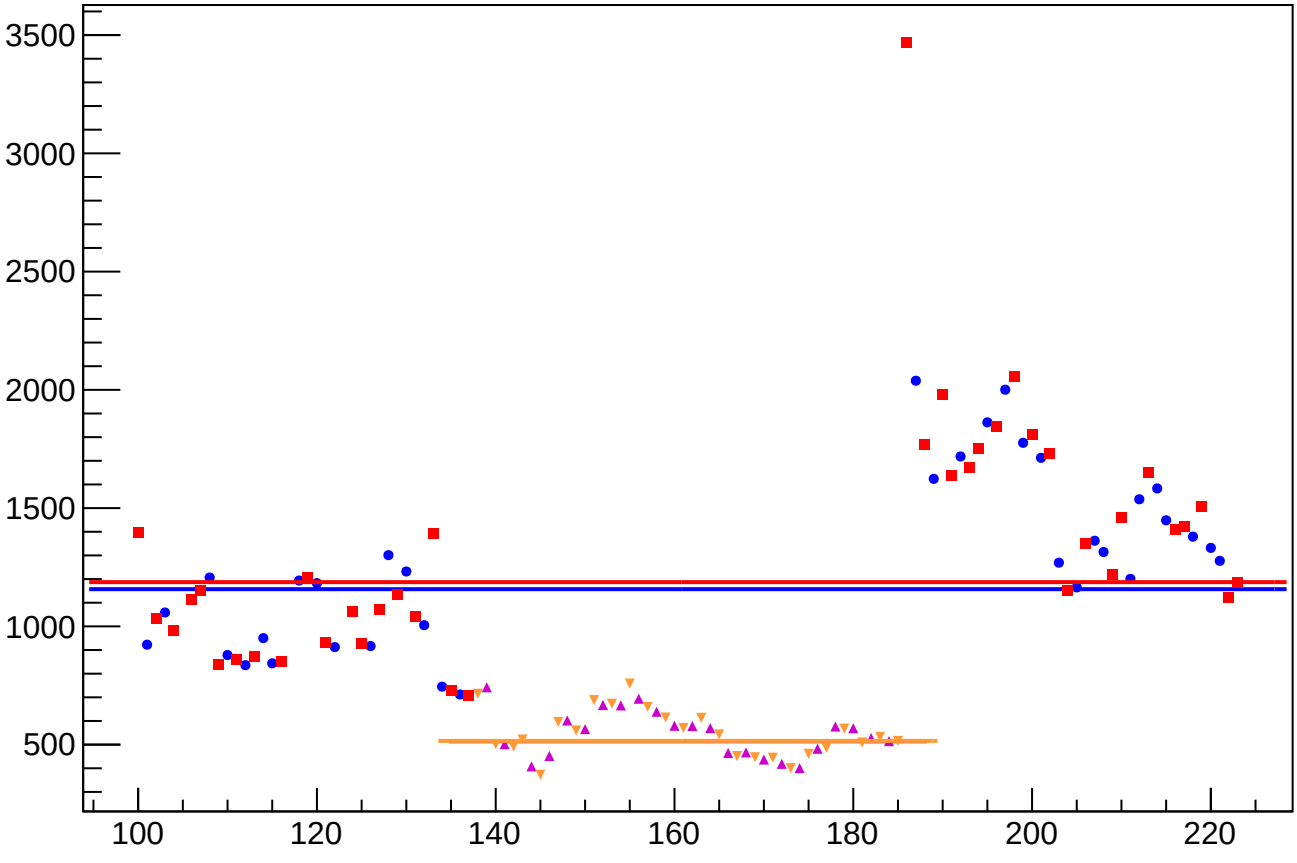
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -708.607+/-108.211 χ^2/NDF: 123.5/58

All: -532.293+/-77.355 χ^2/NDF: 234.7/120

- sign -348.032+/-110.623 χ^2/NDF: 105.8/61

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1157.222+/-0.182 χ^2/NDF: 3212215.4/33

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1187.059+/-0.183 χ^2/NDF: 3665001.0/38

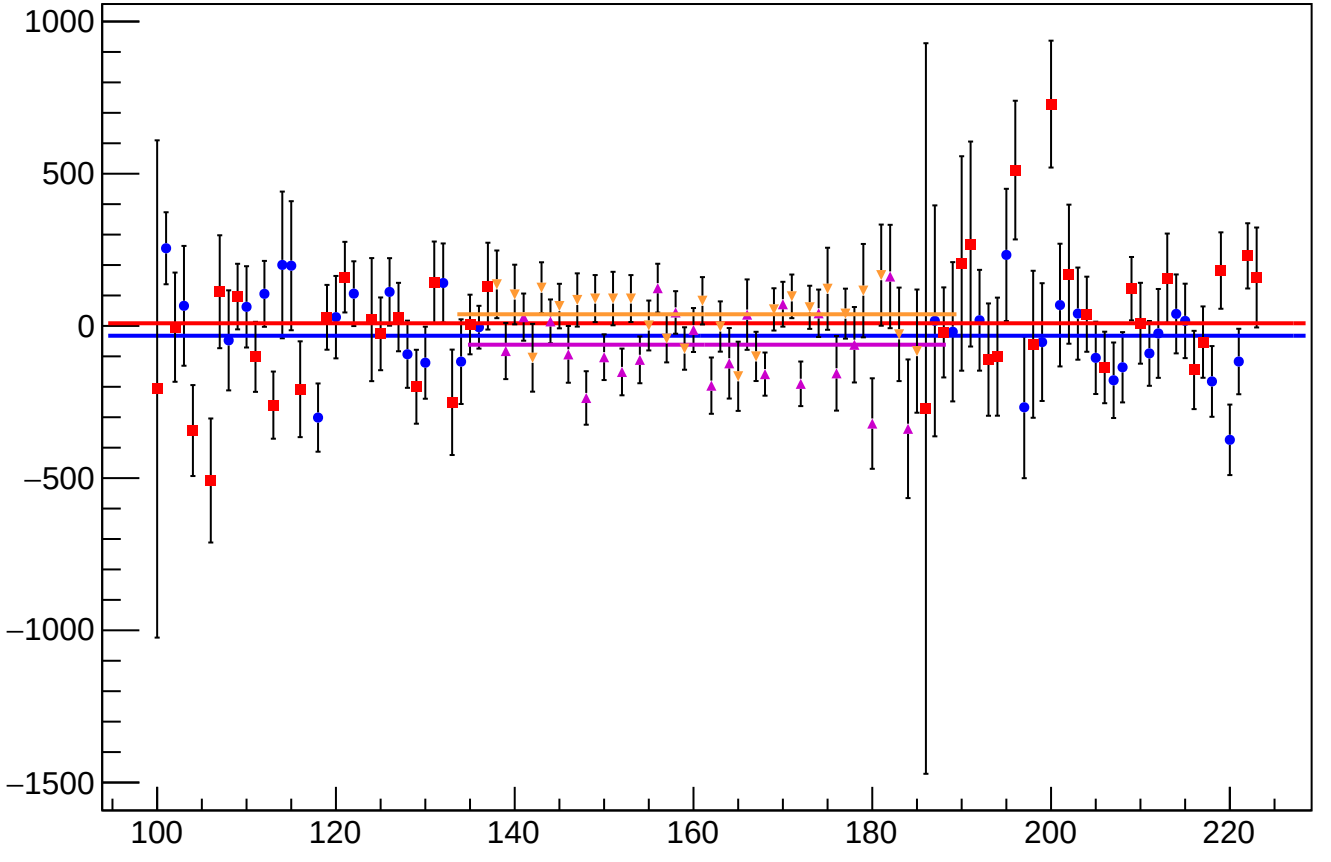
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

\+ sign 629.682+/-0.077 χ^2/NDF: 14709393.0/58

All: 633.045+/-0.055 χ^2/NDF: 30514121.4/12

\- sign 636.560+/-0.078 χ^2/NDF: 15800776.9/61

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -32.270+/-22.413 χ^2/NDF: 40.4/33

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 8.695+/-22.863 χ^2/NDF: 62.2/38

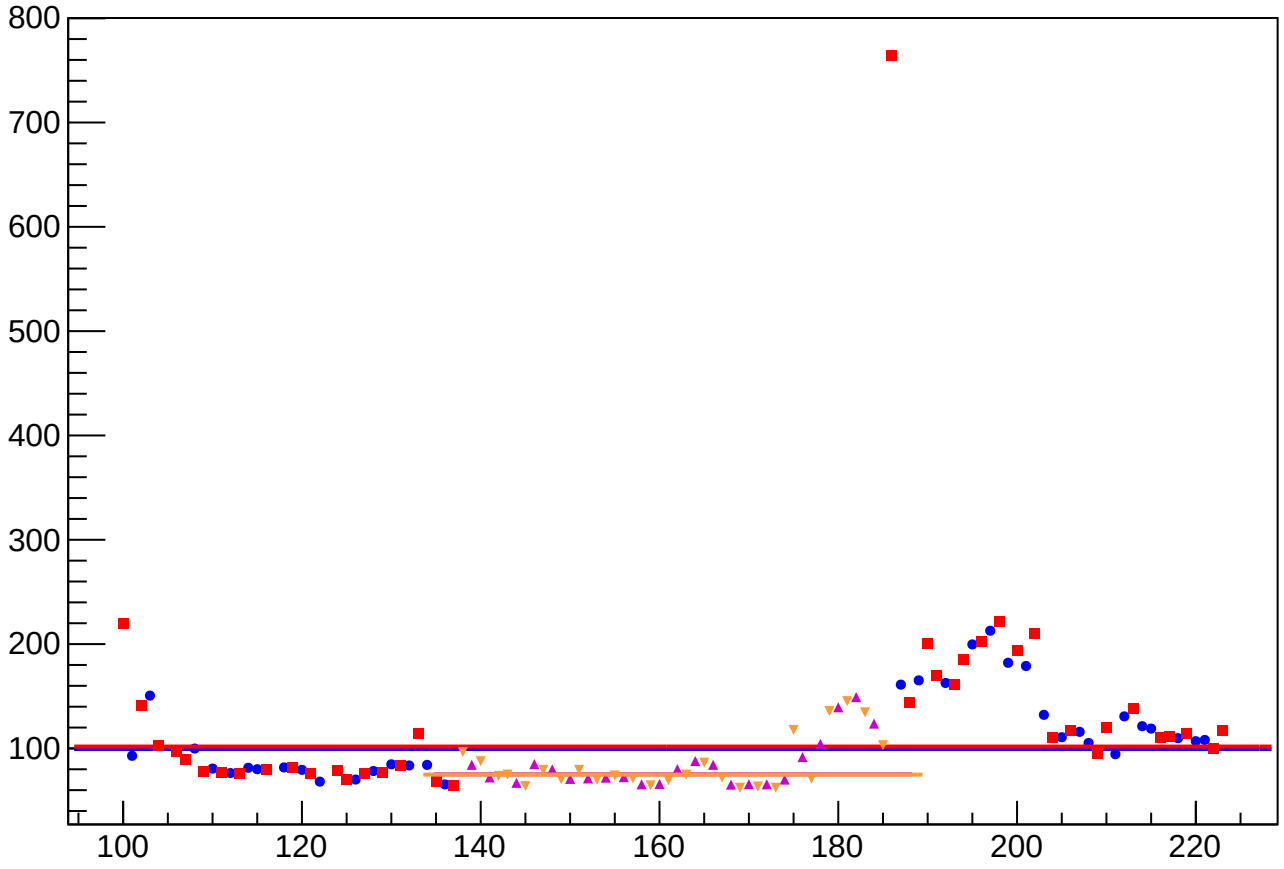
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 11.240+/-13.876 χ^2/NDF: 65.3/58

All: -11.008+/-9.936 χ^2/NDF: 175.3/120

- sign -34.424+/-14.235 χ^2/NDF: 104.8/61

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 99.397+/-0.016 χ^2/NDF: 3810447.9/33

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

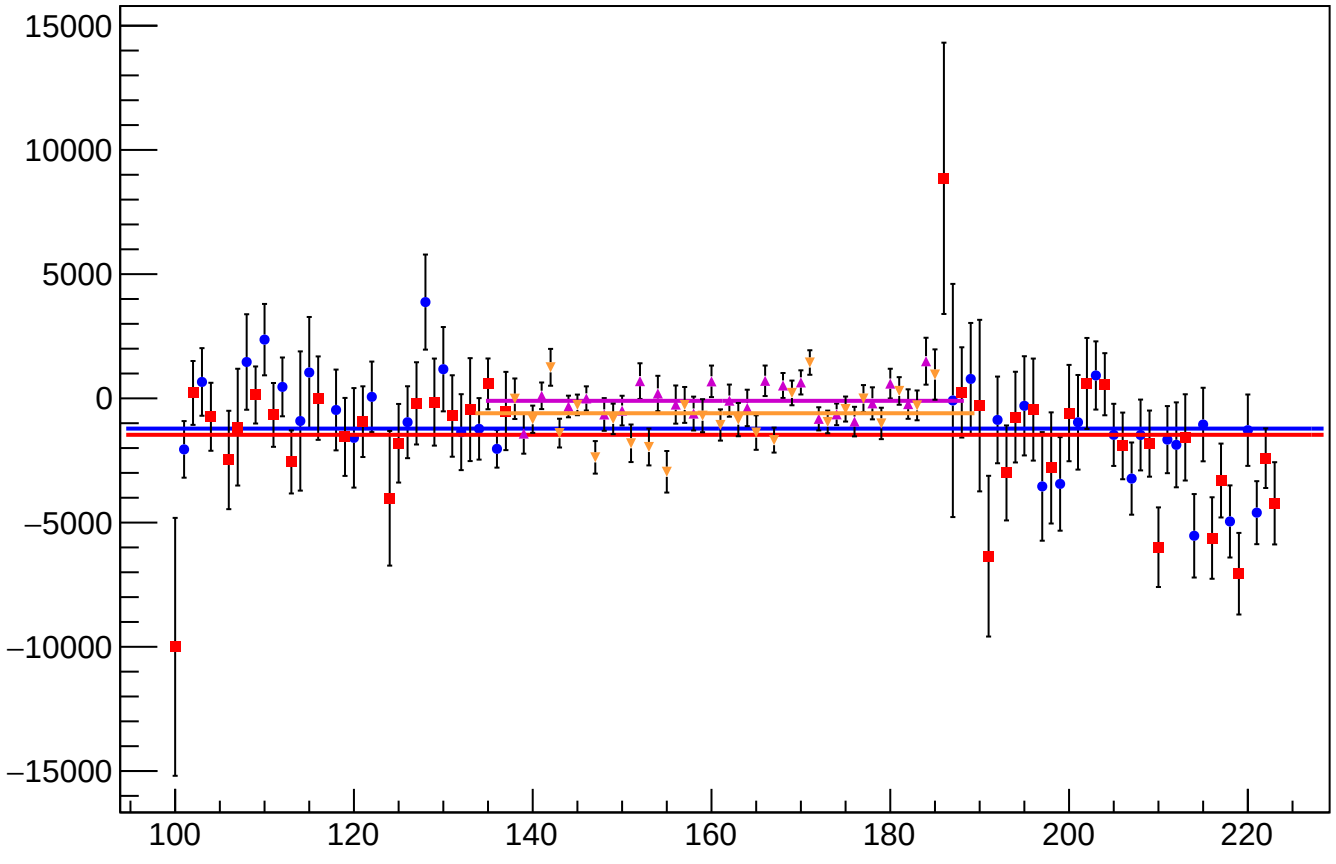
Right Out: 101.796+/-0.016 χ^2/NDF: 5021363.5/38

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 84.291+/-0.010 χ^2/NDF: 6945068.1/58

All: 84.872+/-0.007 χ^2/NDF: 14948875.5/120

- sign 85.483+/-0.010 χ^2/NDF: 7996614.4/61



Right In: -1216.976+/-256.776 χ^2/NDF: 53.7/33

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

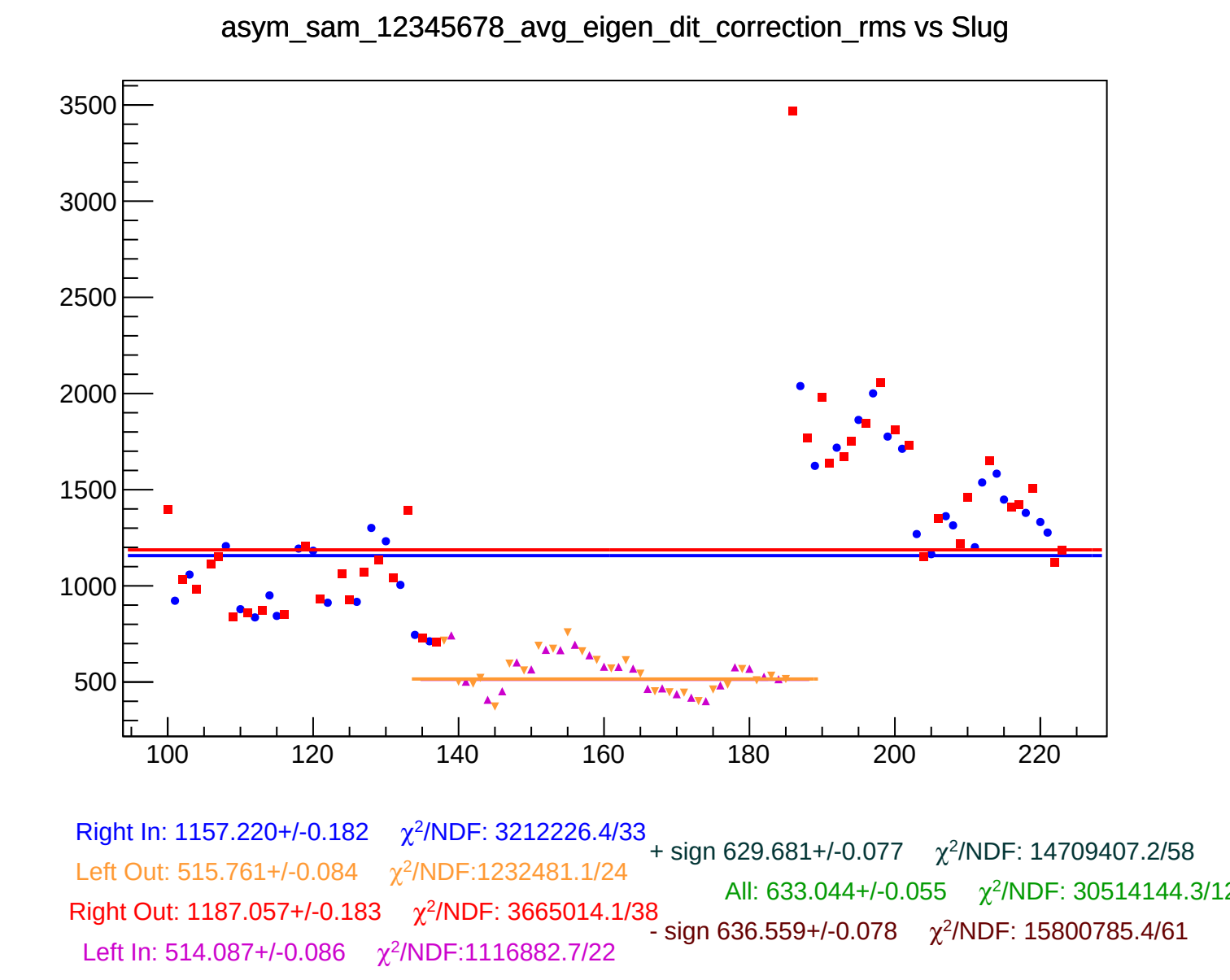
Right Out: -1466.937+/-259.312 χ^2/NDF: 59.4/38

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

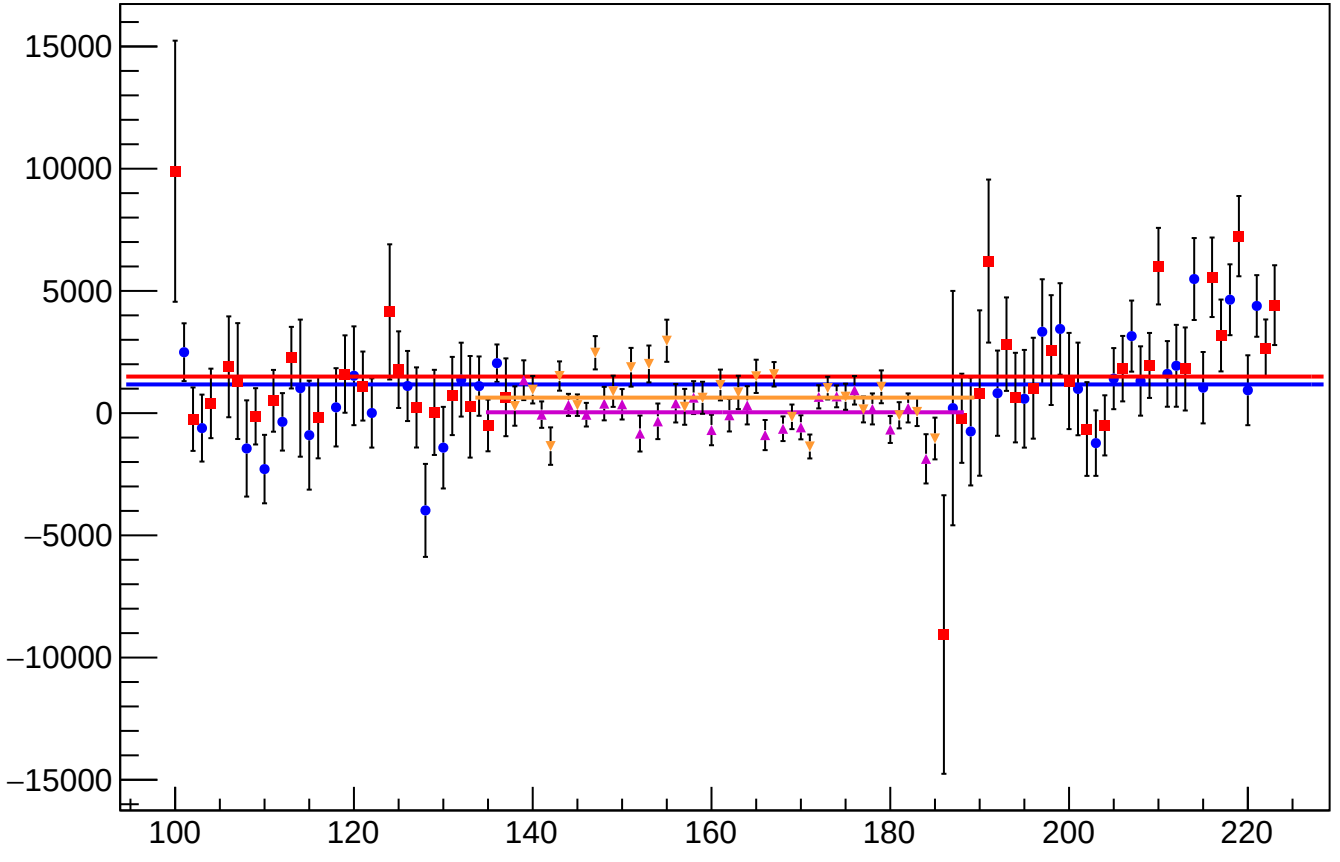
+ sign -708.606+/-108.210 χ^2/NDF: 123.5/58

All: -532.292+/-77.355 χ^2/NDF: 234.7/120

- sign -348.030+/-110.622 χ^2/NDF: 105.8/61


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1157.220+/-0.182 χ²/NDF: 3212226.4/33
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1187.057+/-0.183 χ²/NDF: 3665014.1/38
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 629.681+/-0.077 χ²/NDF: 14709407.2/58
All: 633.044+/-0.055 χ²/NDF: 30514144.3/12
- sign 636.559+/-0.078 χ²/NDF: 15800785.4/61

asym_sam_12345678_avg_mean vs Slug



Right In: 1174.121+/-256.065 χ^2/NDF: 53.2/33

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 1495.939+/-259.520 χ^2/NDF: 59.4/38

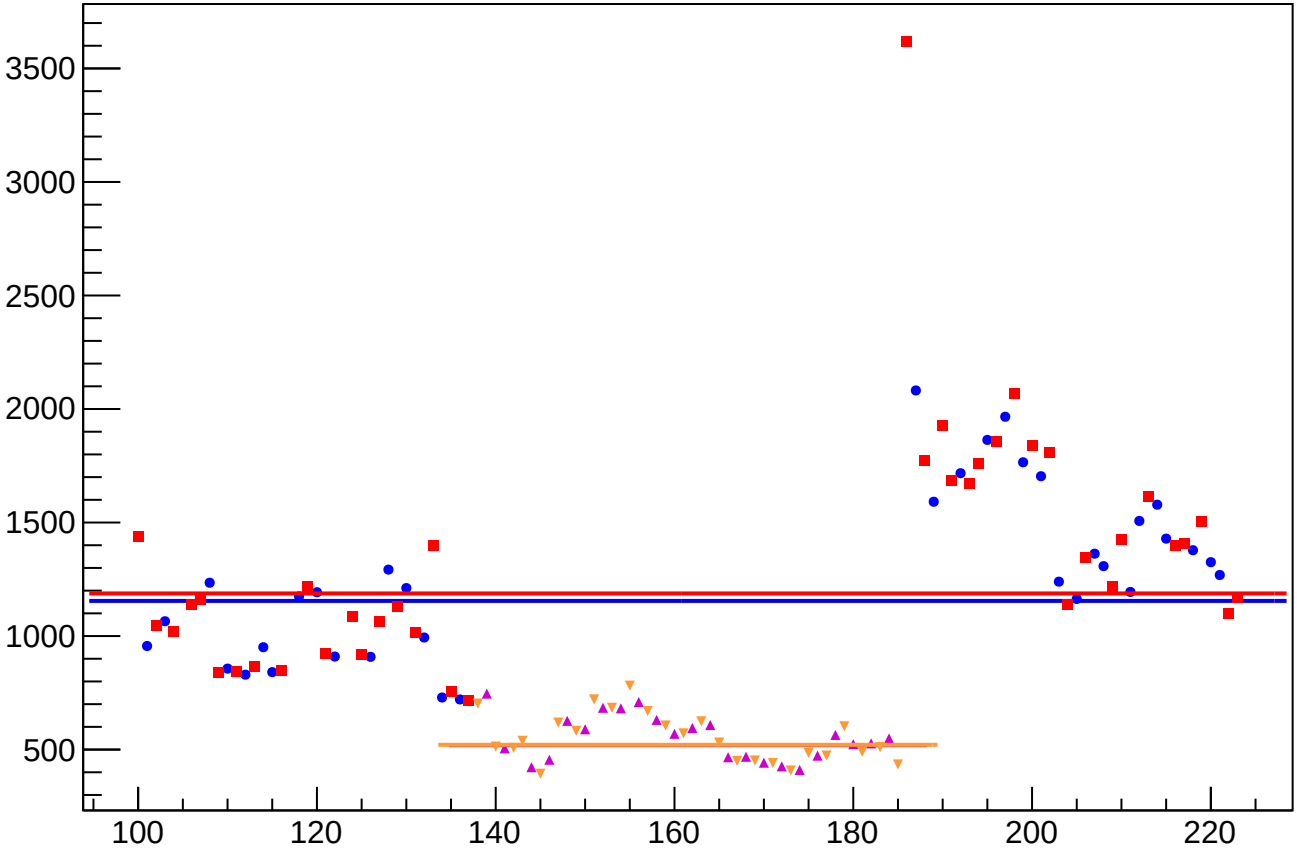
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 732.854+/-109.191 χ^2/NDF: 121.3/58

All: 523.293+/-78.023 χ^2/NDF: 239.2/120

\- sign 304.661+/-111.530 χ^2/NDF: 110.4/61

asym_sam_12345678_avg_rms vs Slug



Right In: 1154.769+/-0.181 χ^2/NDF: 3138025.8/33

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

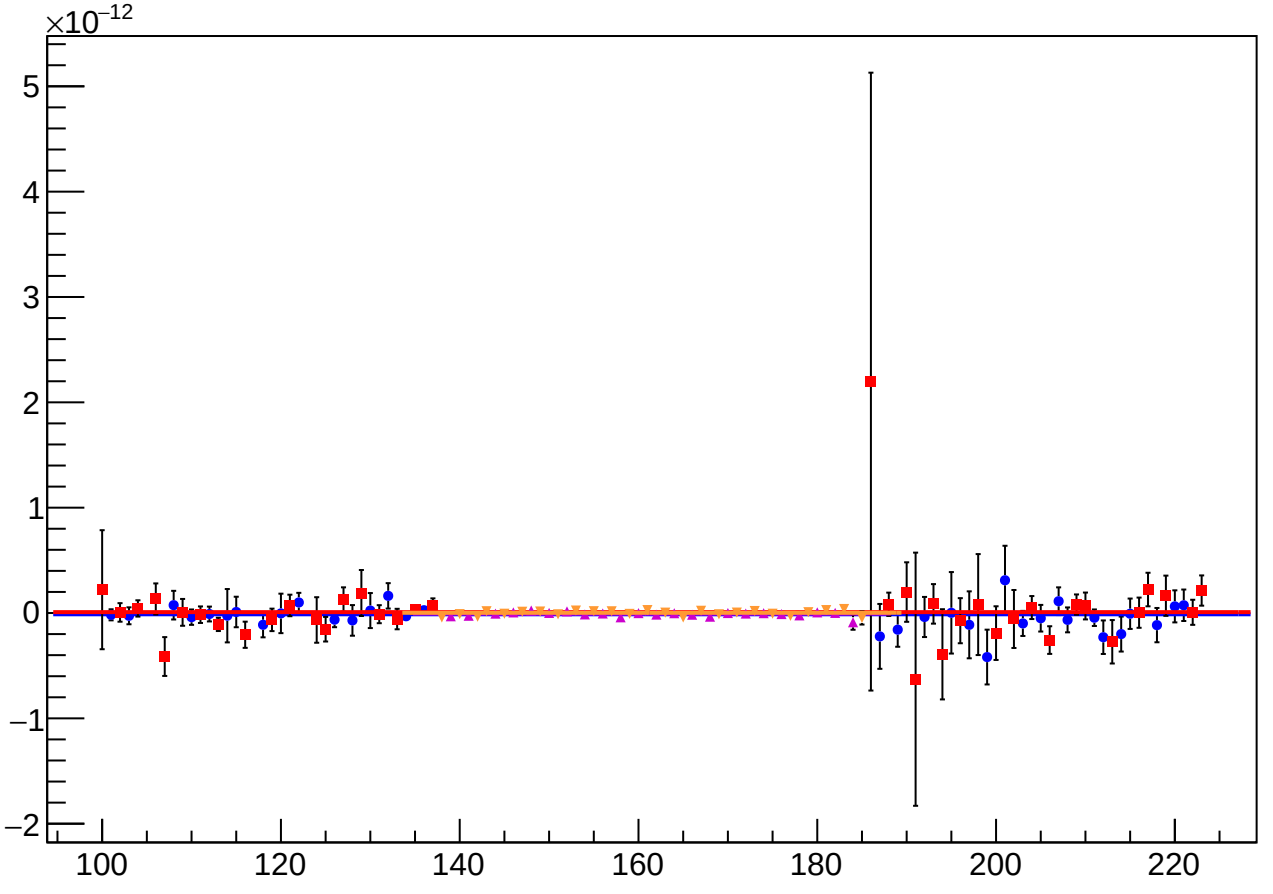
Right Out: 1187.695+/-0.184 χ^2/NDF: 3651706.3/38

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 636.262+/-0.077 χ^2/NDF: 14404045.1/58

All: 639.410+/-0.055 χ^2/NDF: 29977986.7/12

- sign 642.695+/-0.079 χ^2/NDF: 15570543.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

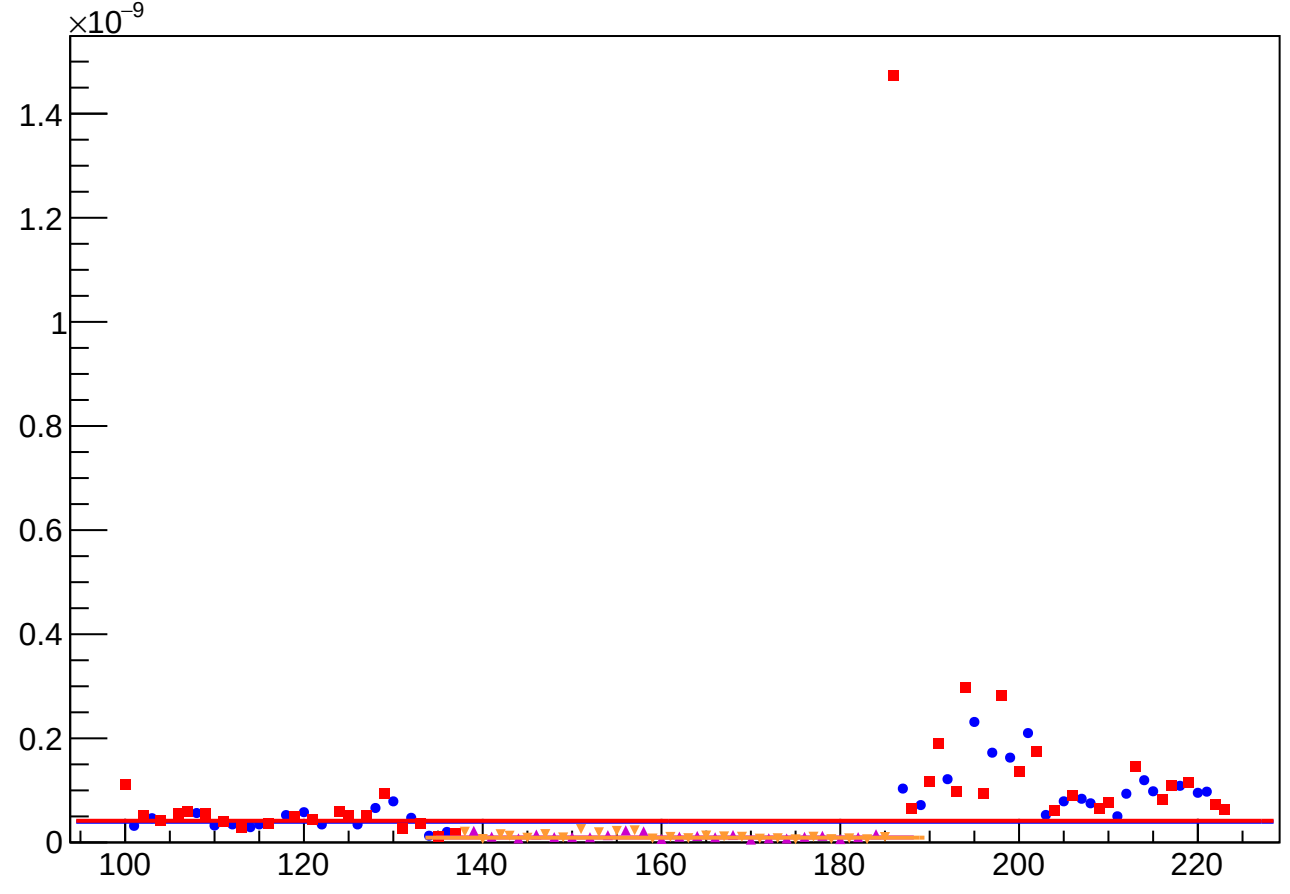
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/38

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.4/58

All: -0.000+/-0.000 χ^2/NDF: 88.5/120

- sign -0.000+/-0.000 χ^2/NDF: 45.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 6931386.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

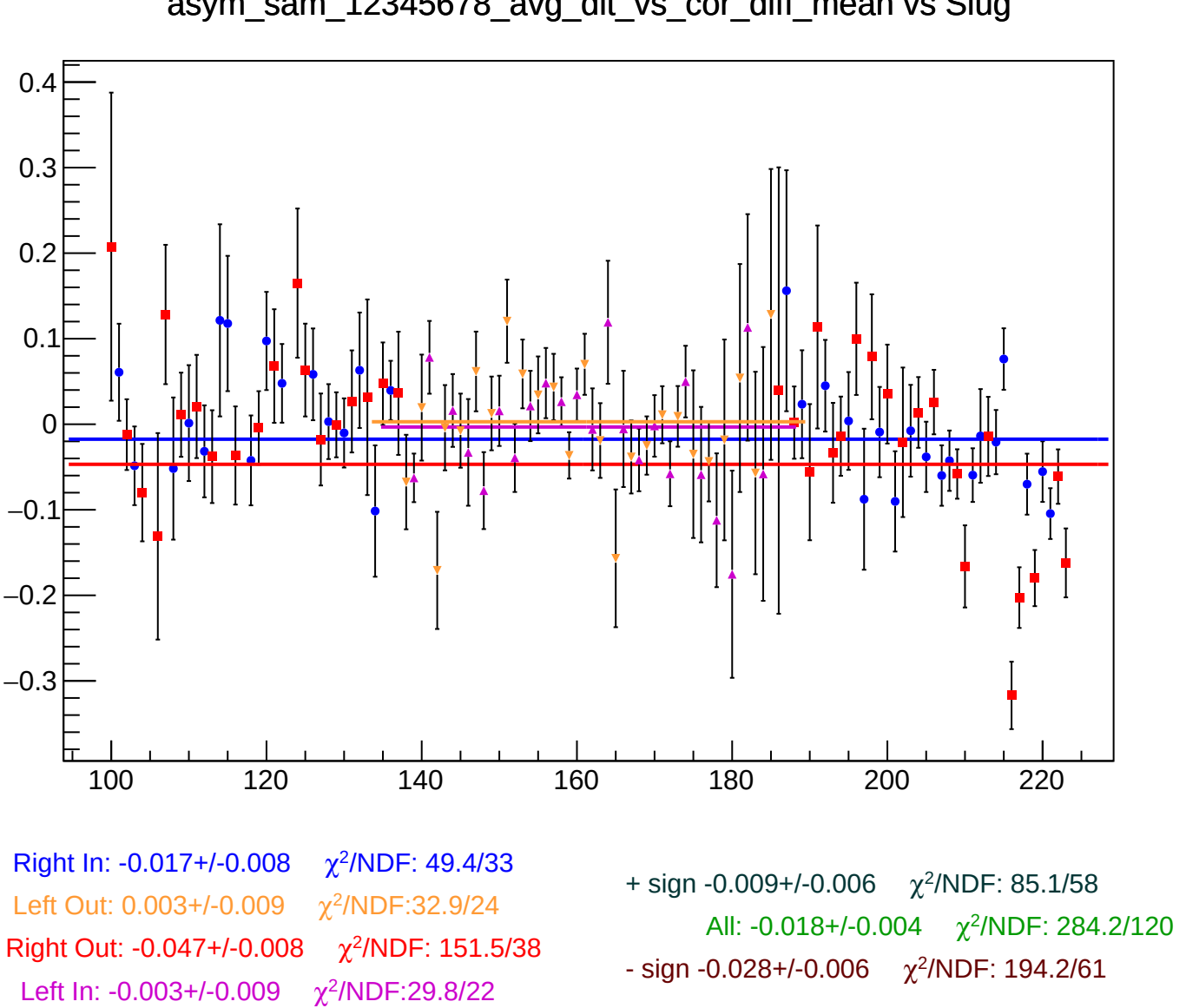
Right Out: 0.000+/-0.000 χ^2/NDF: 7583357.7/38

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16062450.4/58

All: 0.000+/-0.000 χ^2/NDF: 31972280.5/120

- sign 0.000+/-0.000 χ^2/NDF: 15898621.4/61


asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug
0.4
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−0.1
−0.2
−0.3
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120
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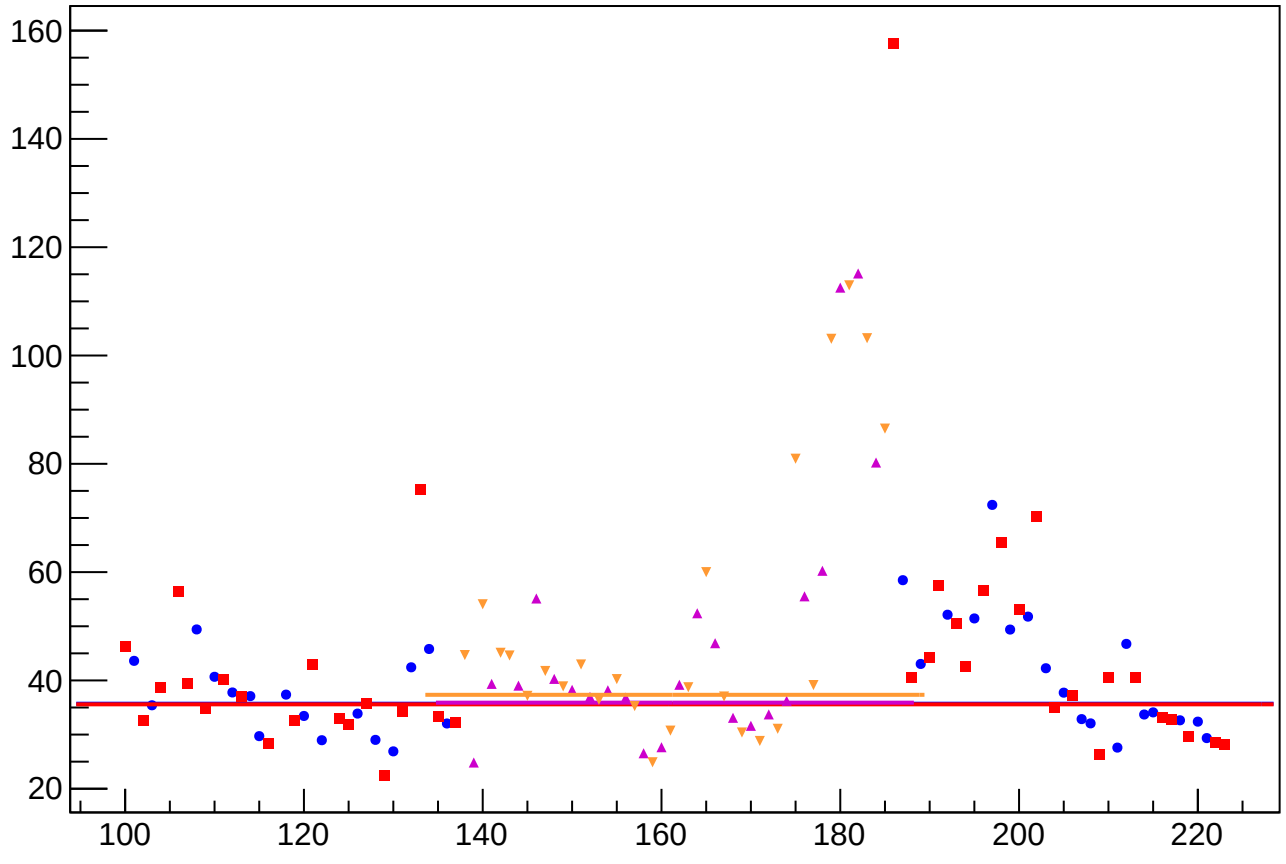
160
180
200
220
Right In: -0.017+/-0.008 χ²/NDF: 49.4/33
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.047+/-0.008 χ²/NDF: 151.5/38
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign -0.009+/-0.006 χ²/NDF: 85.1/58
All: -0.018+/-0.004 χ²/NDF: 284.2/120
- sign -0.028+/-0.006 χ²/NDF: 194.2/61



Right In: 35.702+/-0.006 χ^2/NDF: 1905726.3/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

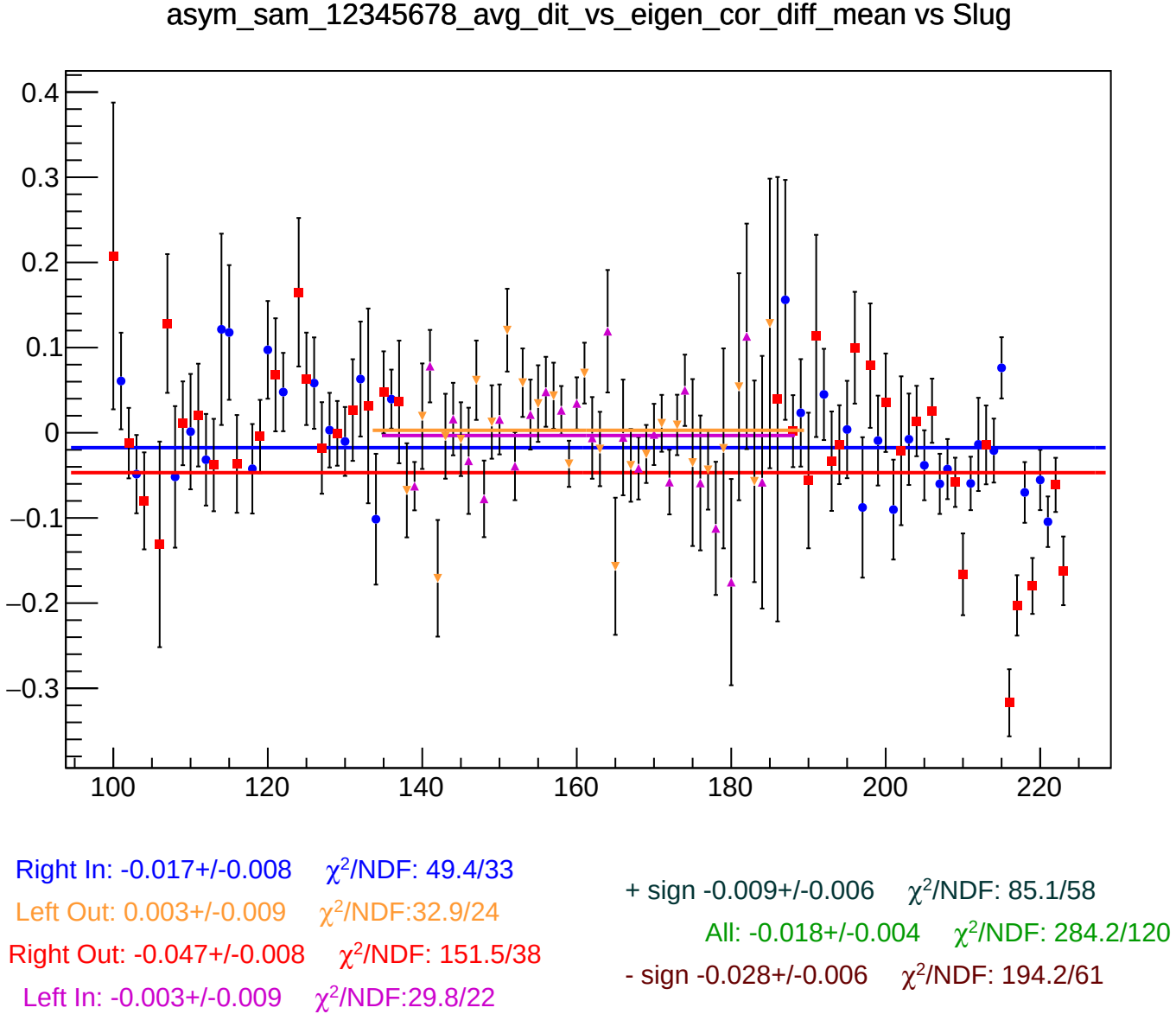
Right Out: 35.584+/-0.006 χ^2/NDF: 2947292.5/38

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.409+/-0.004 χ^2/NDF: 5638172.5/58

All: 36.062+/-0.003 χ^2/NDF: 11738025.5/120

- sign 35.720+/-0.004 χ^2/NDF: 6086894.9/61


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
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120
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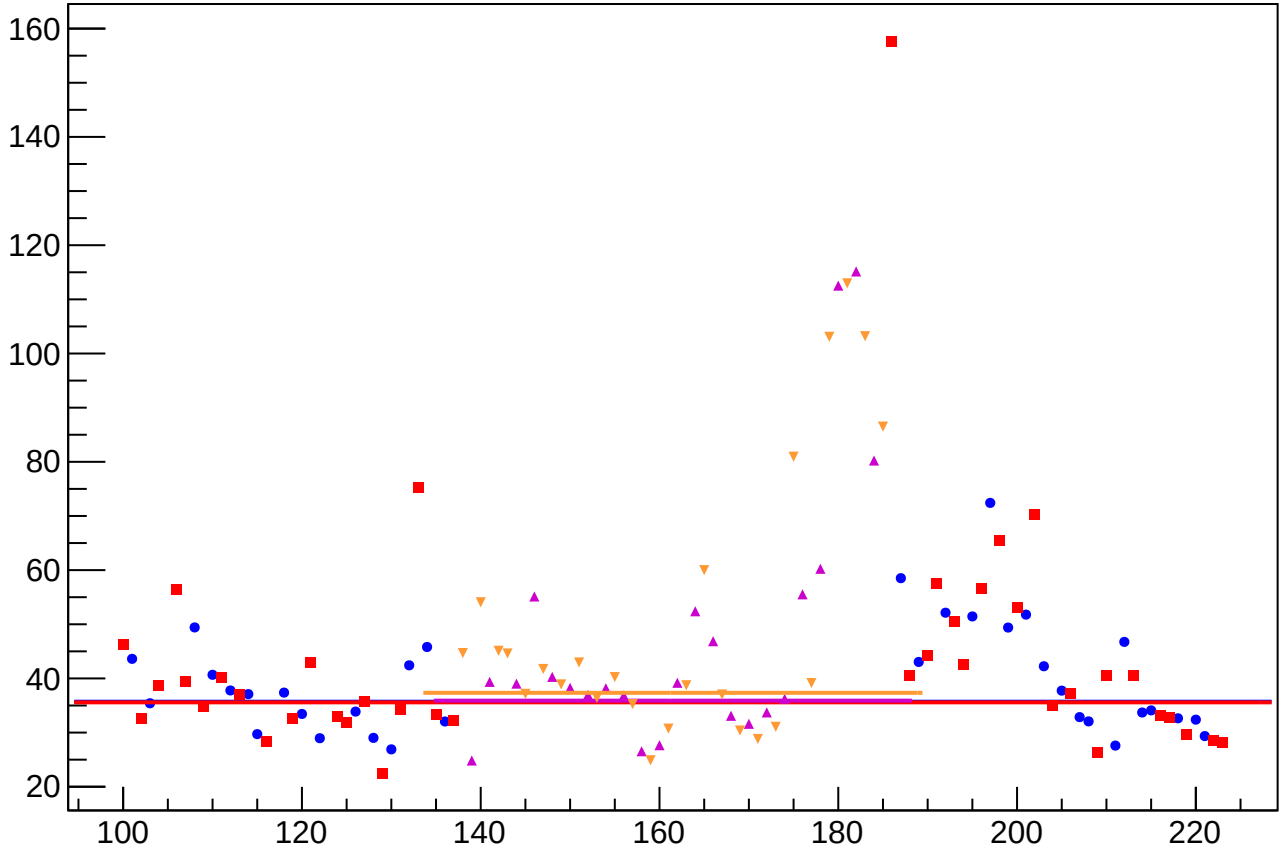
160
180
200
220
Right In: -0.017+/-0.008 χ²/NDF: 49.4/33
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.047+/-0.008 χ²/NDF: 151.5/38
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign -0.009+/-0.006 χ²/NDF: 85.1/58
All: -0.018+/-0.004 χ²/NDF: 284.2/120
- sign -0.028+/-0.006 χ²/NDF: 194.2/61

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.702+/-0.006 χ^2/NDF: 1905726.3/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

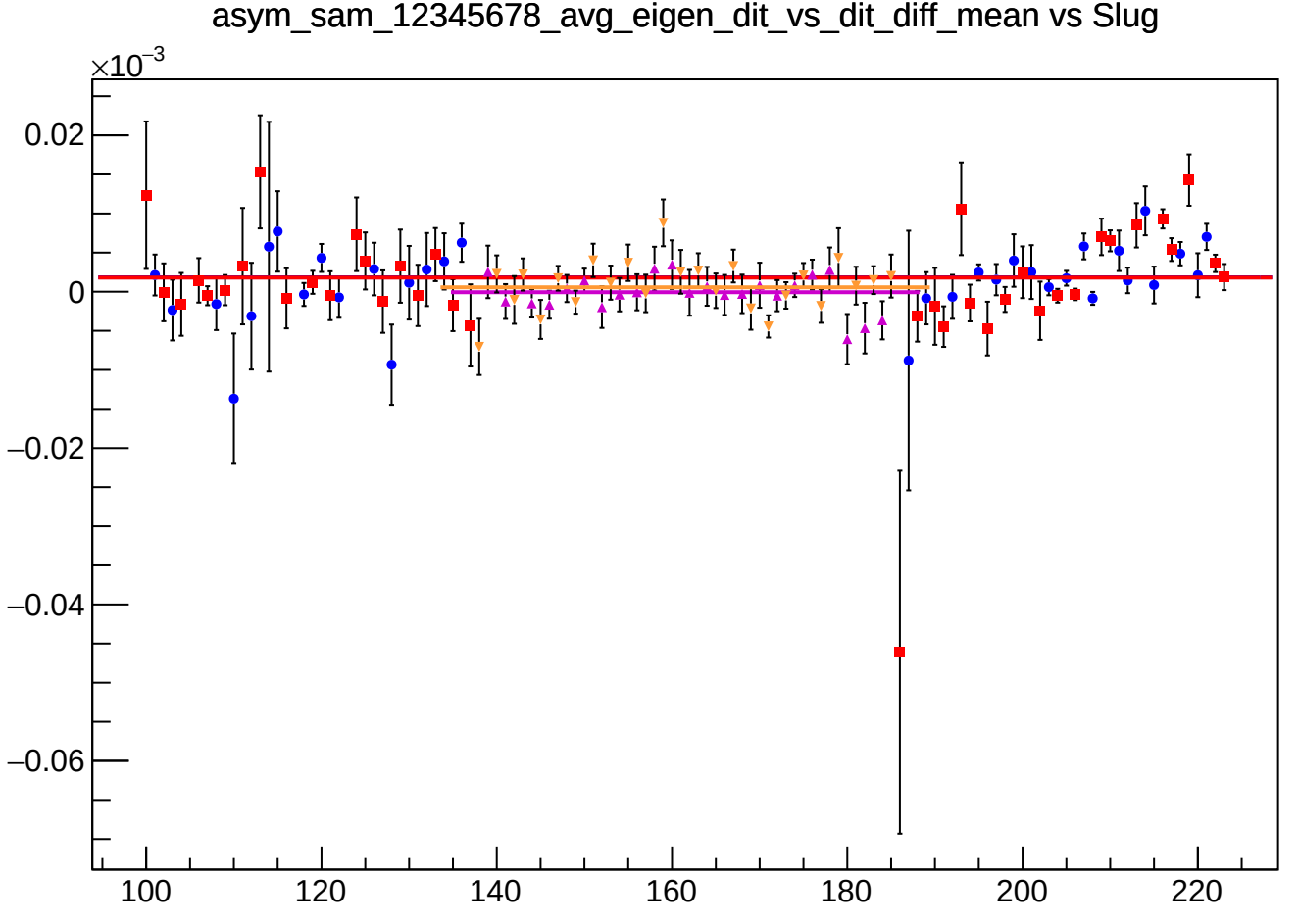
Right Out: 35.584+/-0.006 χ^2/NDF: 2947292.5/38

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.409+/-0.004 χ^2/NDF: 5638172.5/58

All: 36.062+/-0.003 χ^2/NDF: 11738025.5/120

- sign 35.720+/-0.004 χ^2/NDF: 6086894.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 64.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

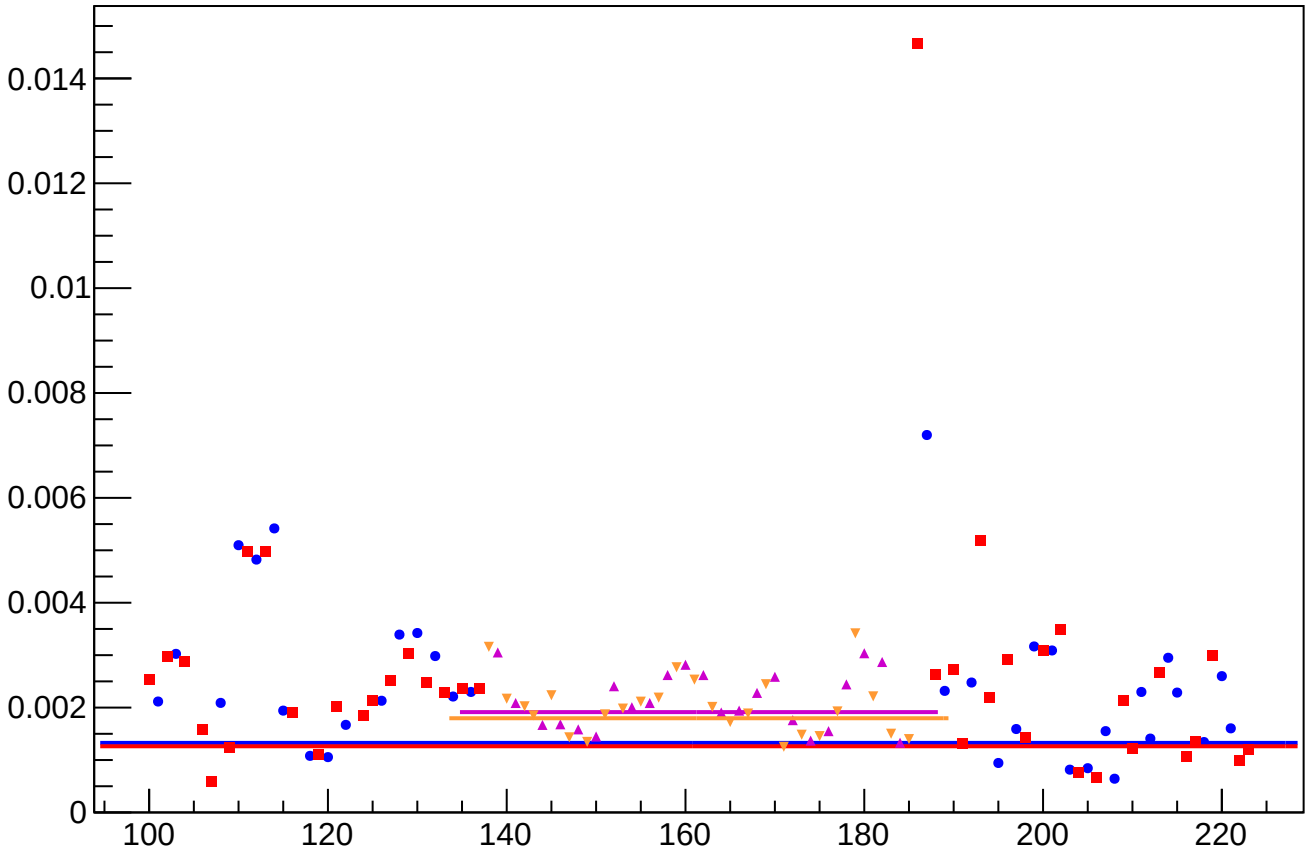
Right Out: 0.000+/-0.000 χ^2/NDF: 141.1/38

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 113.8/58

All: 0.000+/-0.000 χ^2/NDF: 283.0/120

- sign 0.000+/-0.000 χ^2/NDF: 169.1/61



Right In: 0.001+/-0.000 χ^2/NDF: 9649617.5/33

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

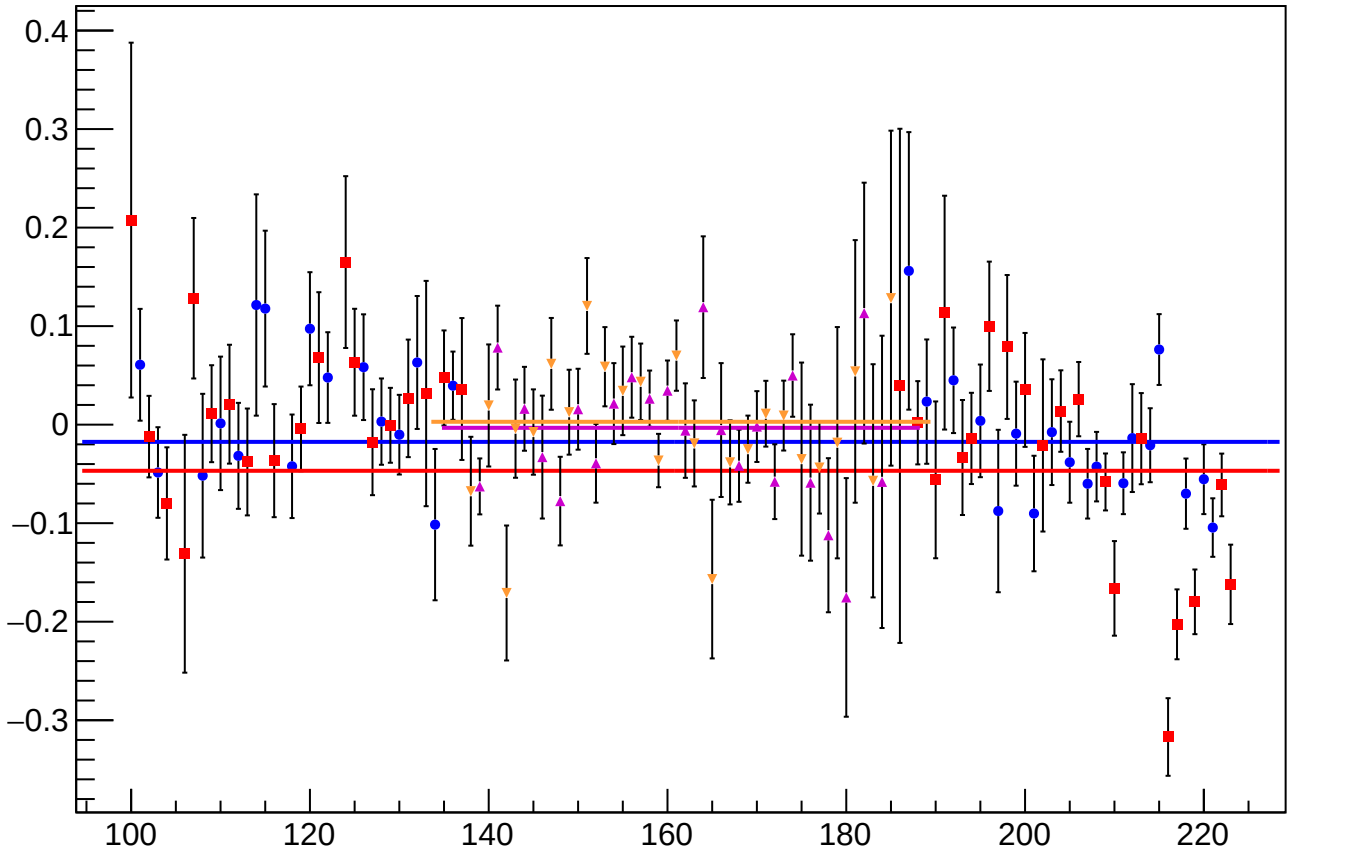
Right Out: 0.001+/-0.000 χ^2/NDF: 11626186.3/38

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 13444386.1/58

All: 0.001+/-0.000 χ^2/NDF: 29941975.7/120

- sign 0.001+/-0.000 χ^2/NDF: 16476776.5/61



Right In: -0.017+/-0.008 χ^2/NDF: 49.4/33

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

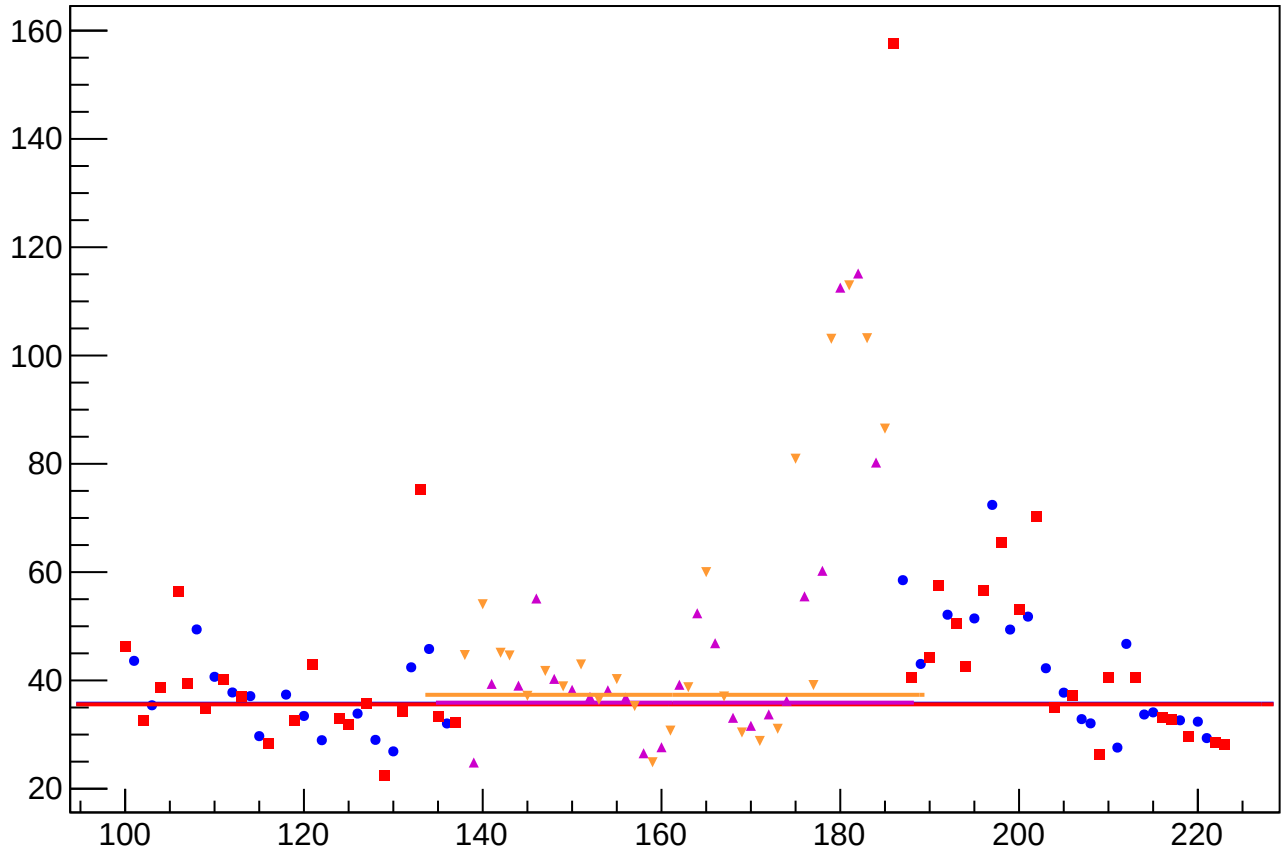
Right Out: -0.047+/-0.008 χ^2/NDF: 151.5/38

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.009+/-0.006 χ^2/NDF: 85.1/58

All: -0.018+/-0.004 χ^2/NDF: 284.2/120

- sign -0.028+/-0.006 χ^2/NDF: 194.2/61



Right In: 35.702+/-0.006 χ^2/NDF: 1905782.9/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

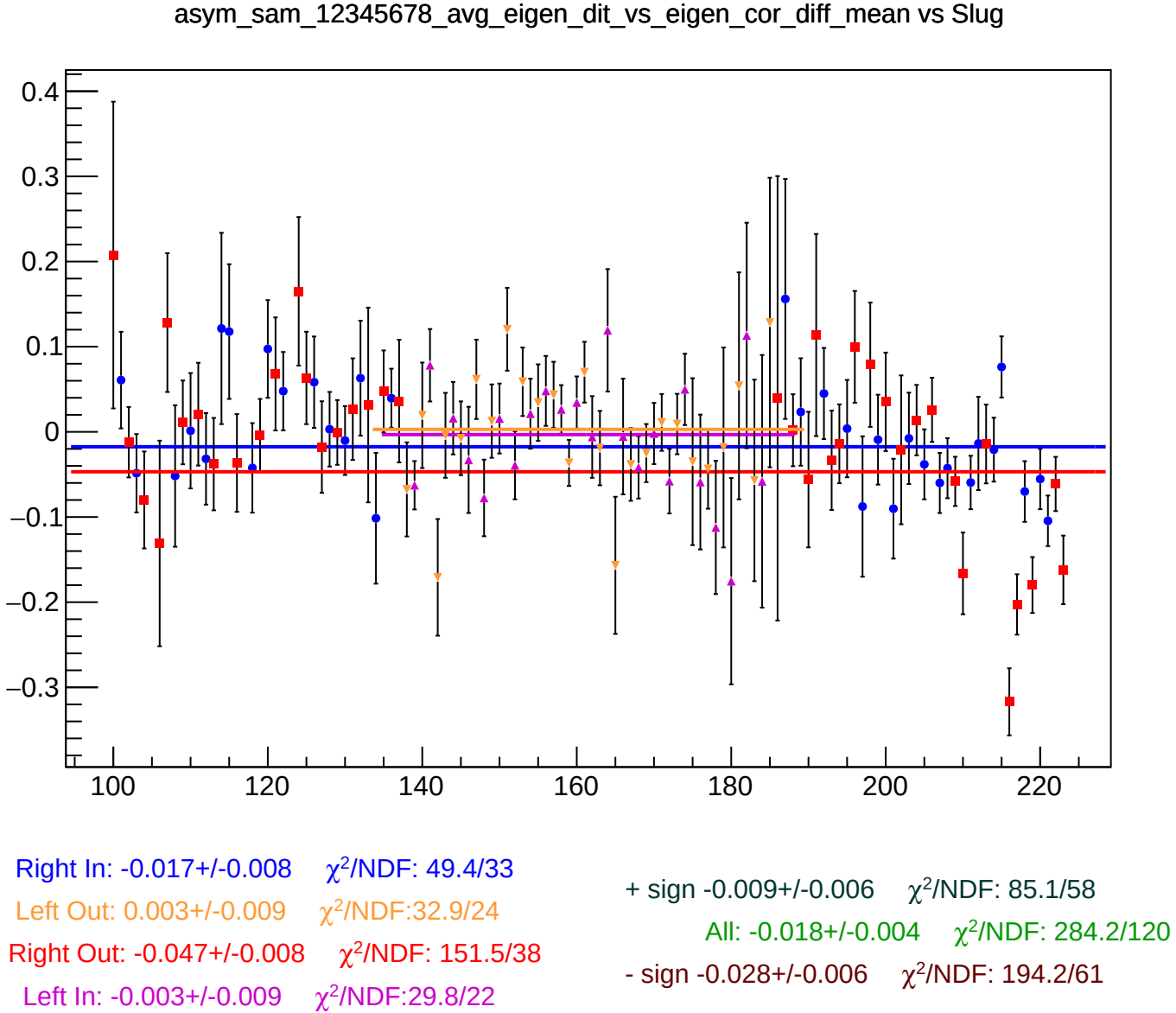
Right Out: 35.584+/-0.006 χ^2/NDF: 2947393.9/38

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.409+/-0.004 χ^2/NDF: 5638307.0/58

All: 36.062+/-0.003 χ^2/NDF: 11738280.1/120

- sign 35.720+/-0.004 χ^2/NDF: 6087018.0/61


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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−0.1
−0.2
−0.3
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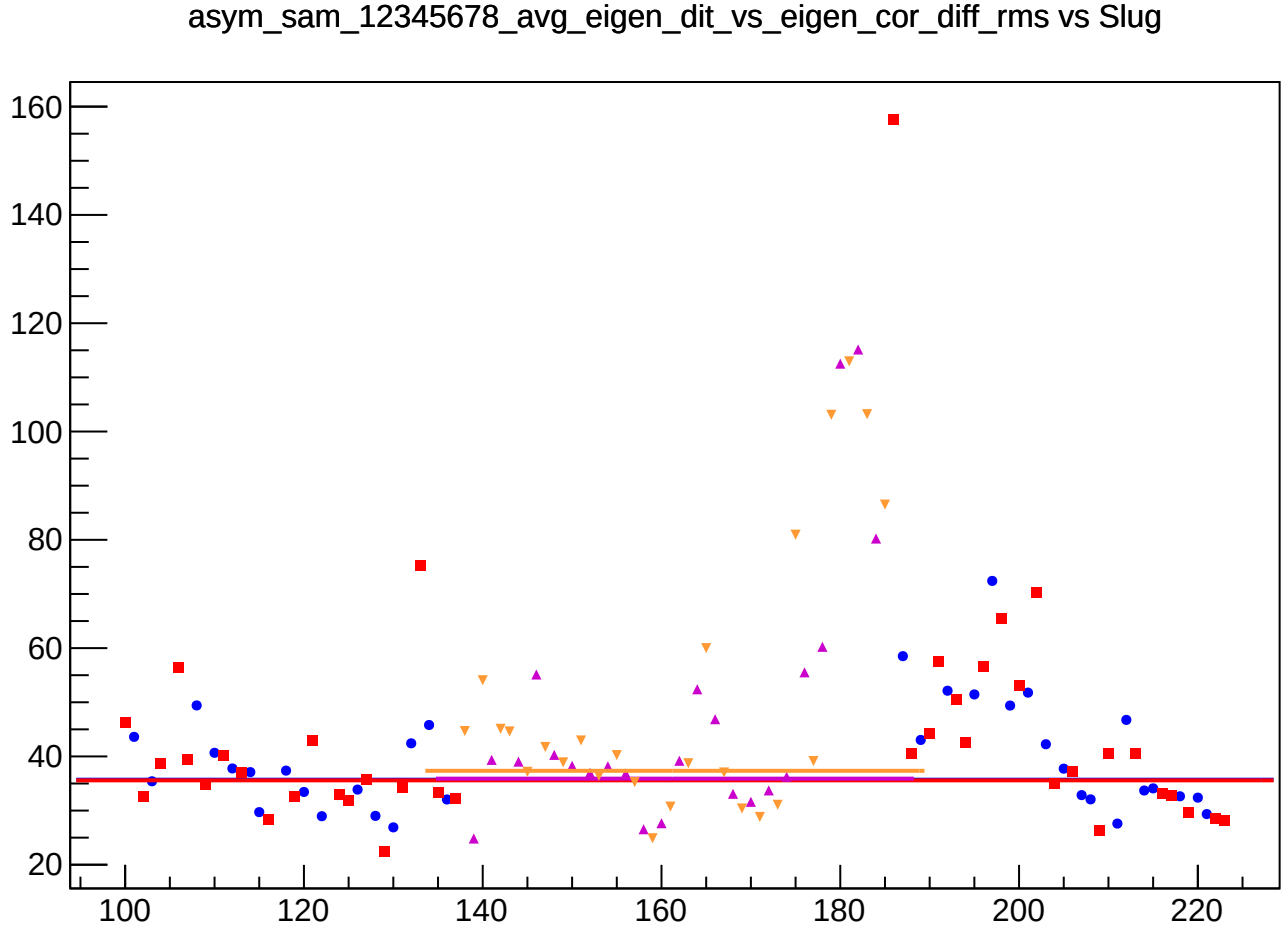
220
Right In: -0.017+/-0.008 χ²/NDF: 49.4/33
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.047+/-0.008 χ²/NDF: 151.5/38
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign -0.009+/-0.006 χ²/NDF: 85.1/58
All: -0.018+/-0.004 χ²/NDF: 284.2/120
- sign -0.028+/-0.006 χ²/NDF: 194.2/61



Right In: 35.702+/-0.006 χ^2/NDF: 1905782.9/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

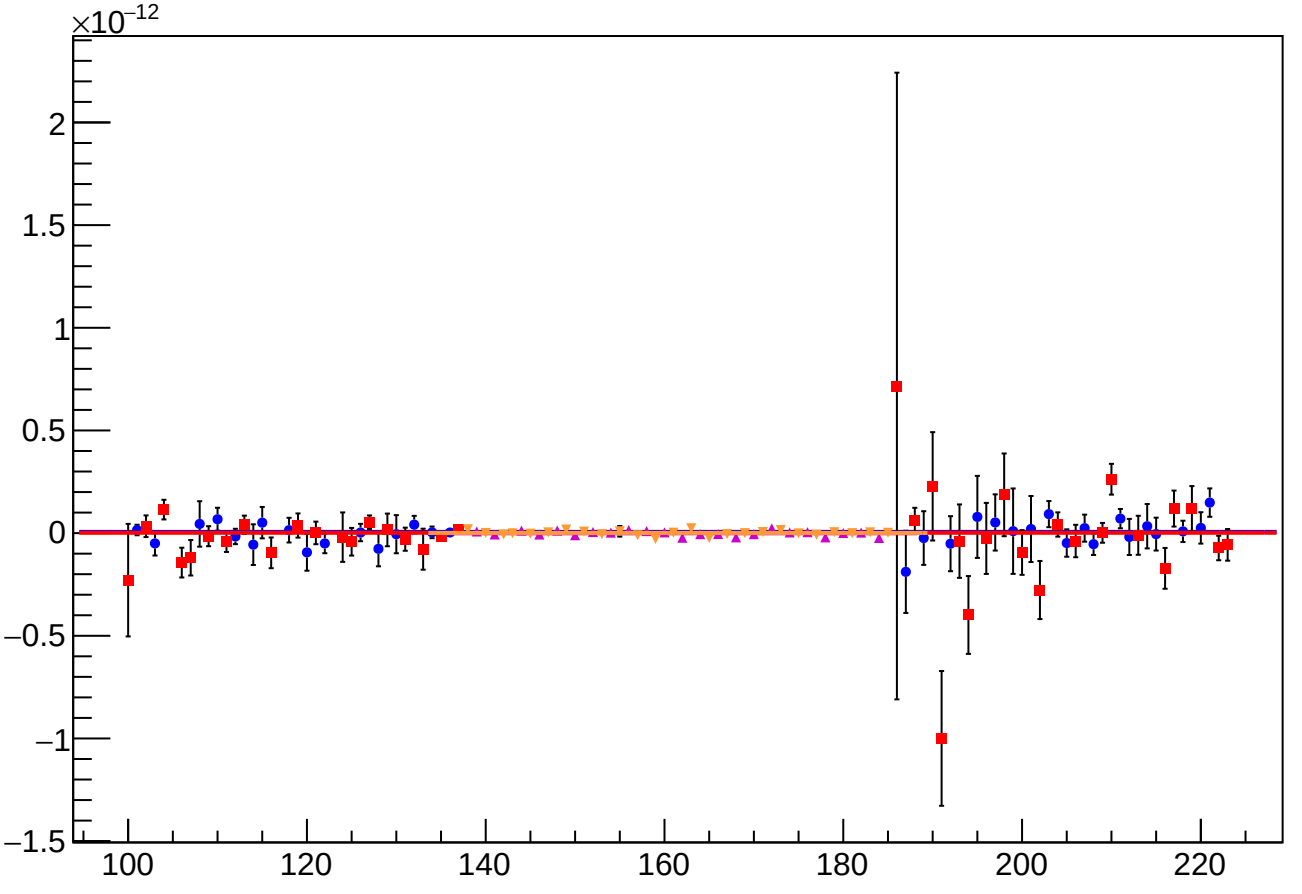
Right Out: 35.584+/-0.006 χ^2/NDF: 2947393.9/38

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.409+/-0.004 χ^2/NDF: 5638307.0/58

All: 36.062+/-0.003 χ^2/NDF: 11738280.1/120

- sign 35.720+/-0.004 χ^2/NDF: 6087018.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

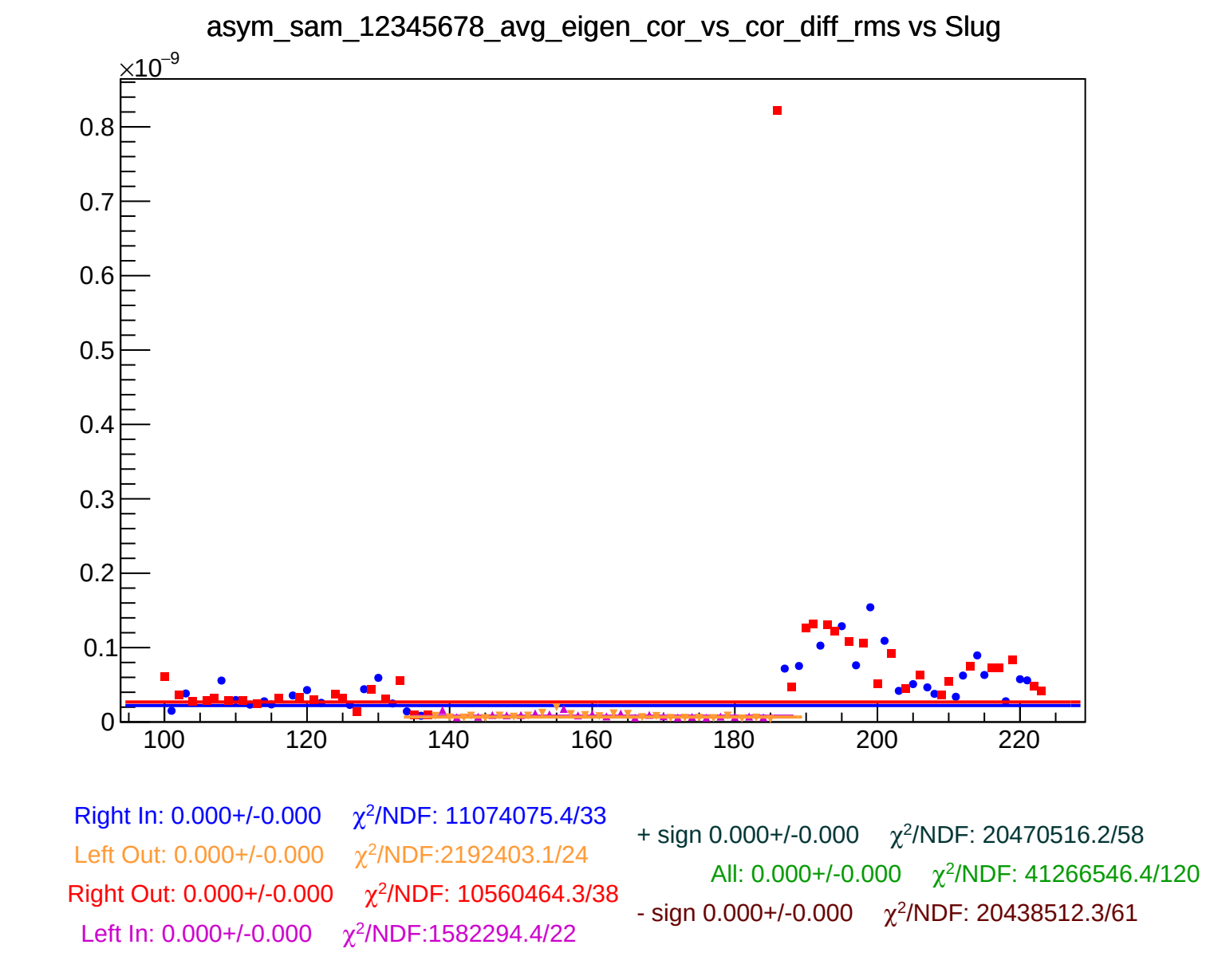
Right Out: 0.000+/-0.000 χ^2/NDF: 63.6/38

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.3/58

All: 0.000+/-0.000 χ^2/NDF: 134.6/120

- sign -0.000+/-0.000 χ^2/NDF: 92.9/61


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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0.6
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0.4
0.3
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180
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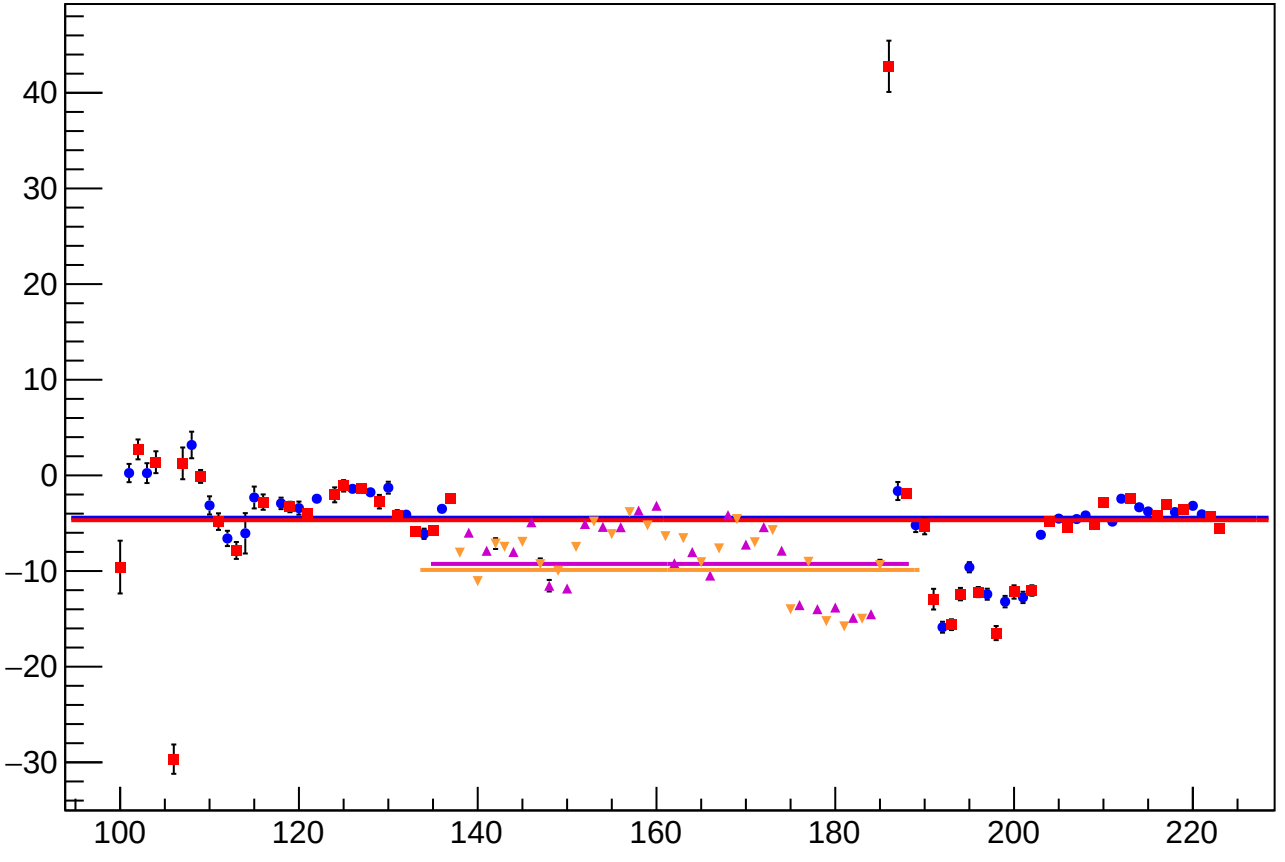
Right In: 0.000+/-0.000 χ²/NDF: 11074075.4/33
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 10560464.3/38
Left In: 0.000+/-0.000 χ²/NDF:1582294.4/22
+ sign 0.000+/-0.000 χ²/NDF: 20470516.2/58
All: 0.000+/-0.000 χ²/NDF: 41266546.4/120
- sign 0.000+/-0.000 χ²/NDF: 20438512.3/61

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.424+/-0.075 χ^2/NDF: 1426.7/33

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.686+/-0.076 χ^2/NDF: 2451.6/38

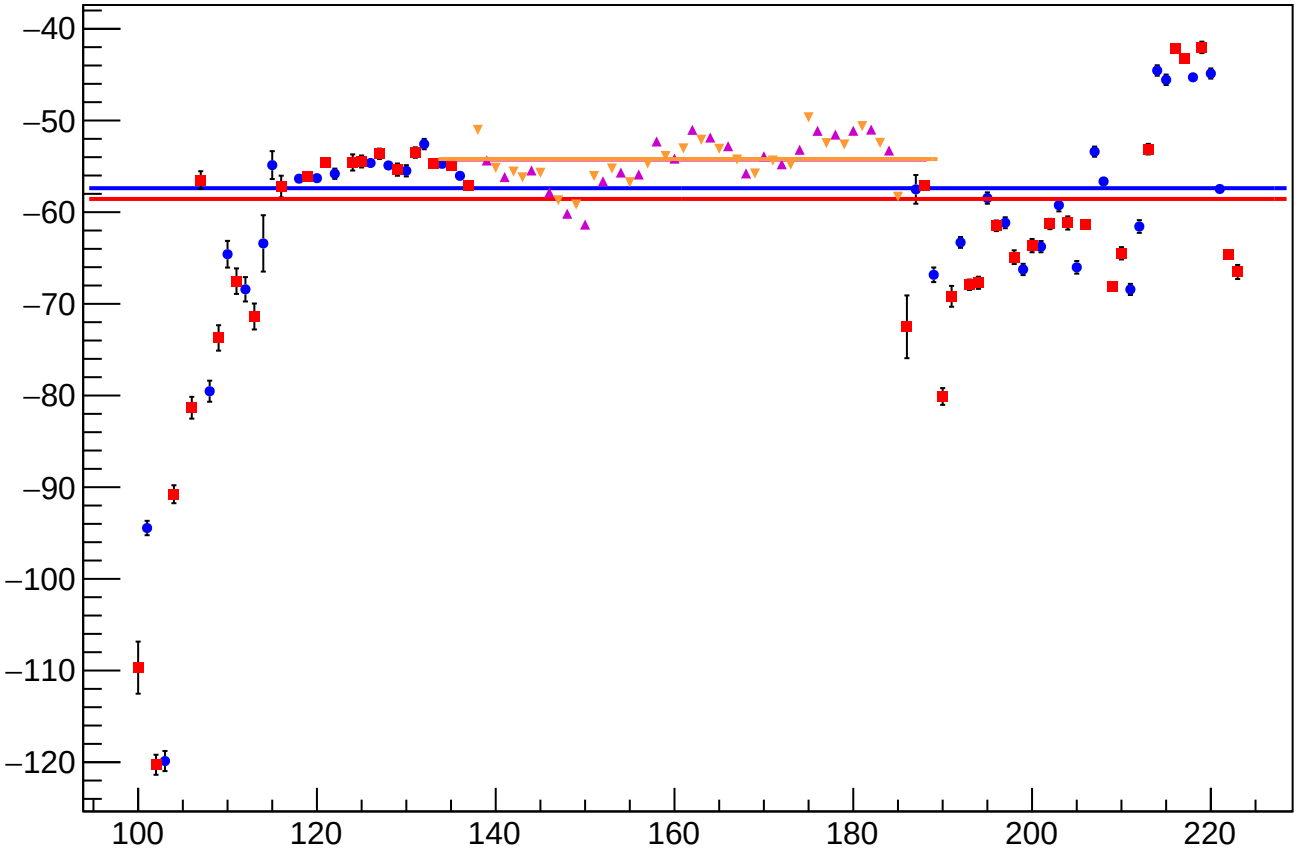
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -7.359+/-0.051 χ^2/NDF: 7489.5/58

All: -7.237+/-0.036 χ^2/NDF: 14930.2/120

- sign -7.110+/-0.052 χ^2/NDF: 7429.1/61

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.382+/-0.098 χ^2/NDF: 9518.6/33

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -58.558+/-0.099 χ^2/NDF: 10419.0/38

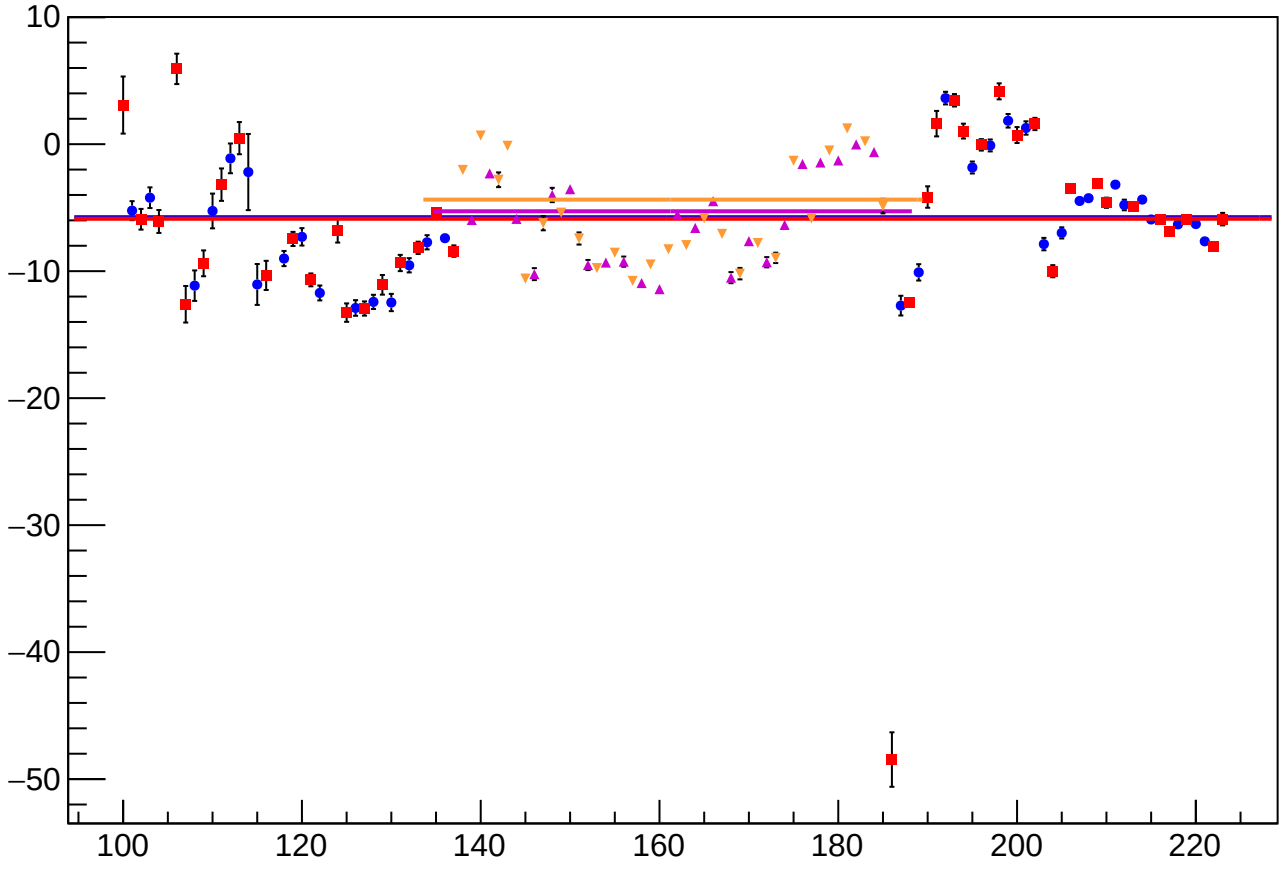
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.983+/-0.049 χ^2/NDF: 12167.6/58

All: -55.170+/-0.035 χ^2/NDF: 26515.8/120

- sign -55.371+/-0.050 χ^2/NDF: 14317.3/61

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.749+/-0.078 χ^2/NDF: 1938.8/33

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.874+/-0.079 χ^2/NDF: 3325.2/38

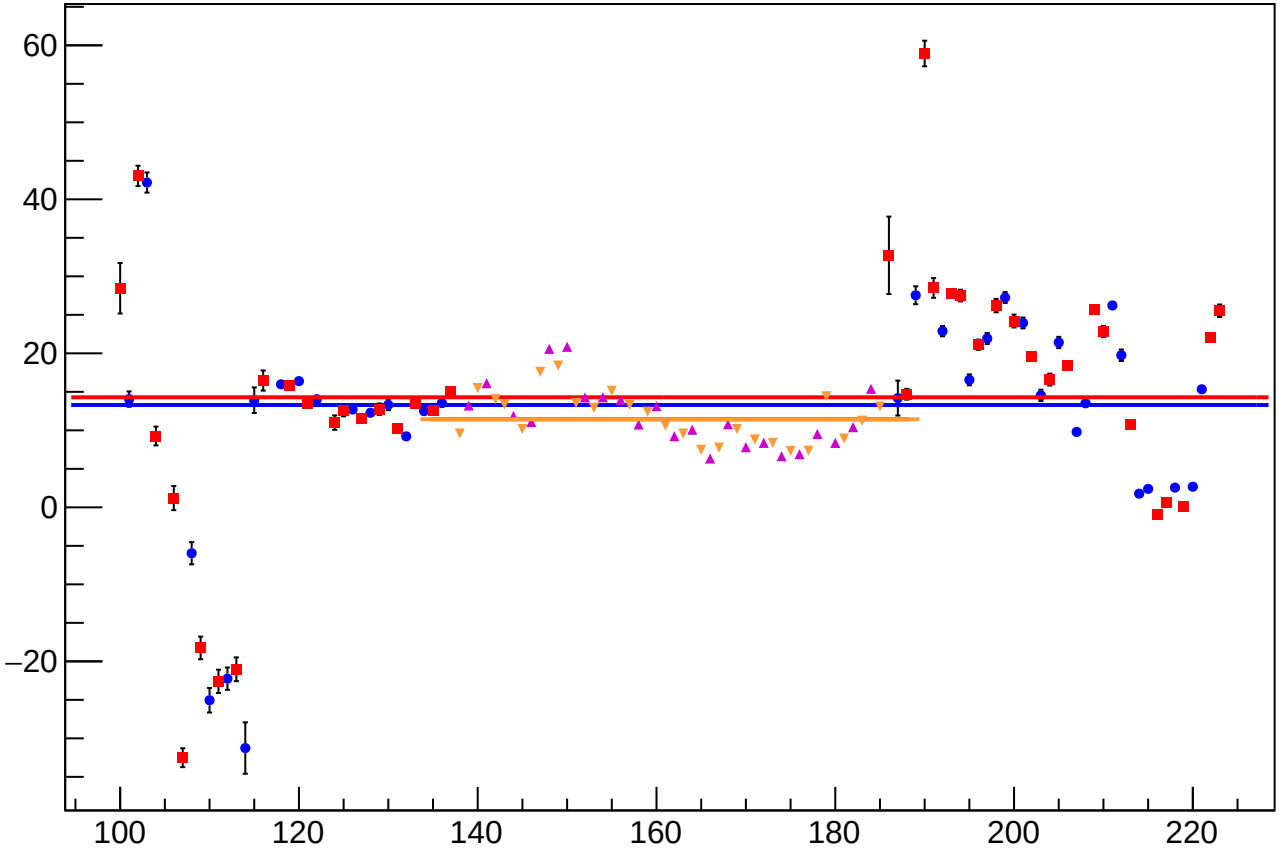
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.978+/-0.052 χ^2/NDF: 5816.5/58

All: -5.258+/-0.037 χ^2/NDF: 11982.6/120

- sign -5.548+/-0.053 χ^2/NDF: 6106.4/61

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.292+/-0.108 χ^2/NDF: 5482.6/33

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.292+/-0.110 χ^2/NDF: 8775.8/38

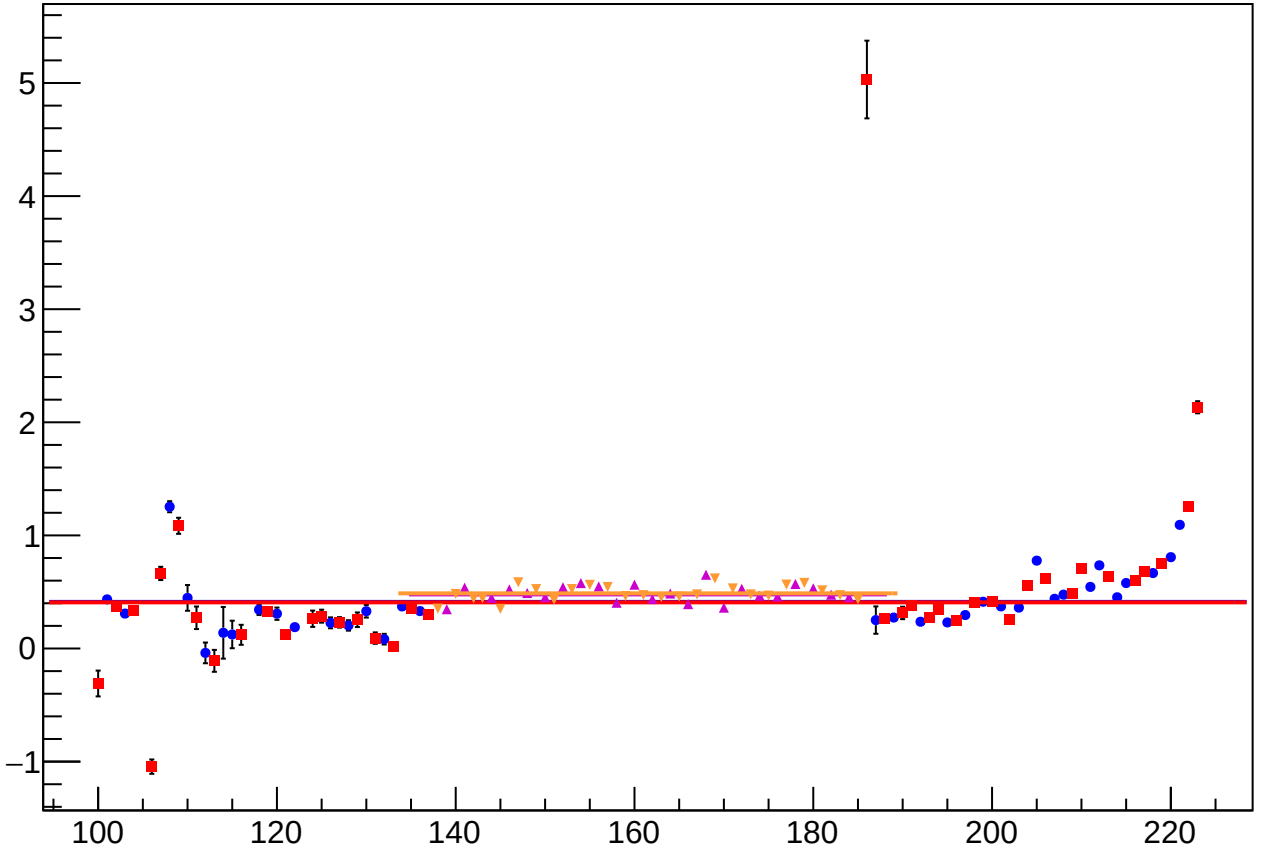
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 11.896+/-0.054 χ^2/NDF: 8139.4/58

All: 12.025+/-0.039 χ^2/NDF: 20784.7/120

- sign 12.163+/-0.055 χ^2/NDF: 12633.4/61

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.412+/-0.005 χ^2/NDF: 1621.3/33

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.408+/-0.005 χ^2/NDF: 3466.9/38

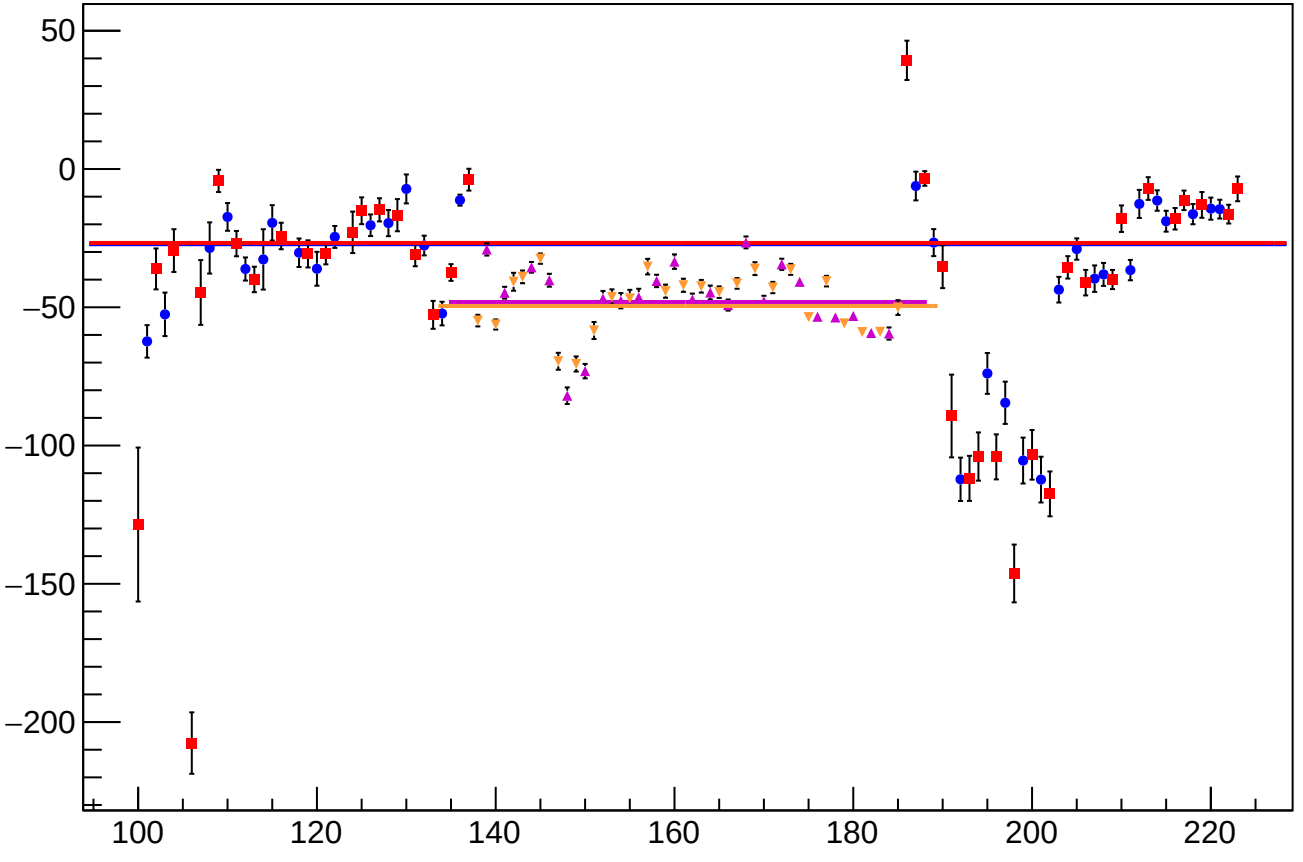
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.470+/-0.002 χ^2/NDF: 2341.6/58

All: 0.466+/-0.002 χ^2/NDF: 6761.5/120

- sign 0.462+/-0.002 χ^2/NDF: 4414.7/61

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -27.186+/-0.766 χ^2/NDF: 700.9/33

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -26.738+/-0.776 χ^2/NDF: 1320.8/38

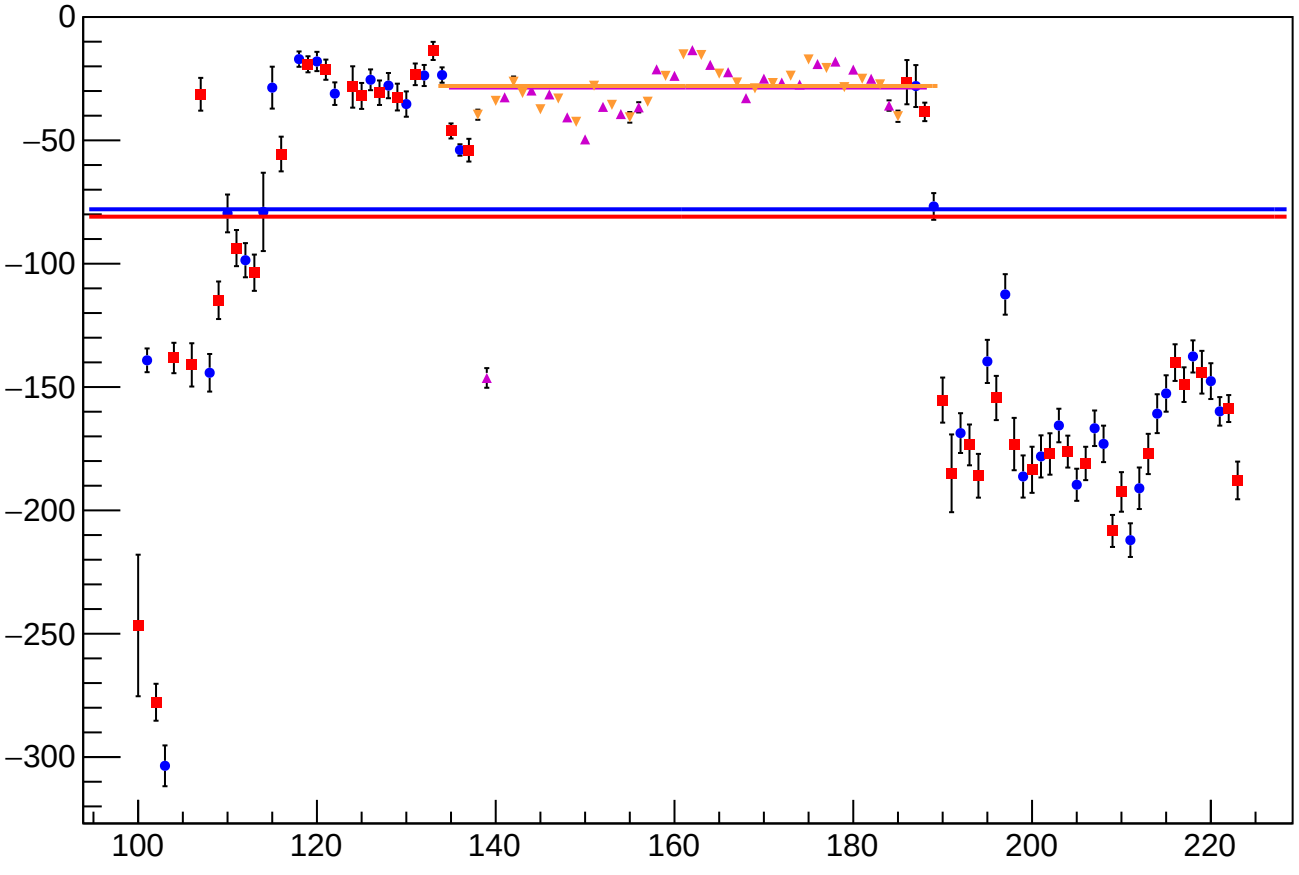
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -44.691+/-0.356 χ^2/NDF: 1942.5/58

All: -44.008+/-0.256 χ^2/NDF: 4563.5/120

- sign -43.277+/-0.368 χ^2/NDF: 2613.3/61

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -77.939+/-0.925 χ^2/NDF: 5102.9/33

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -80.934+/-0.957 χ^2/NDF: 5209.4/38

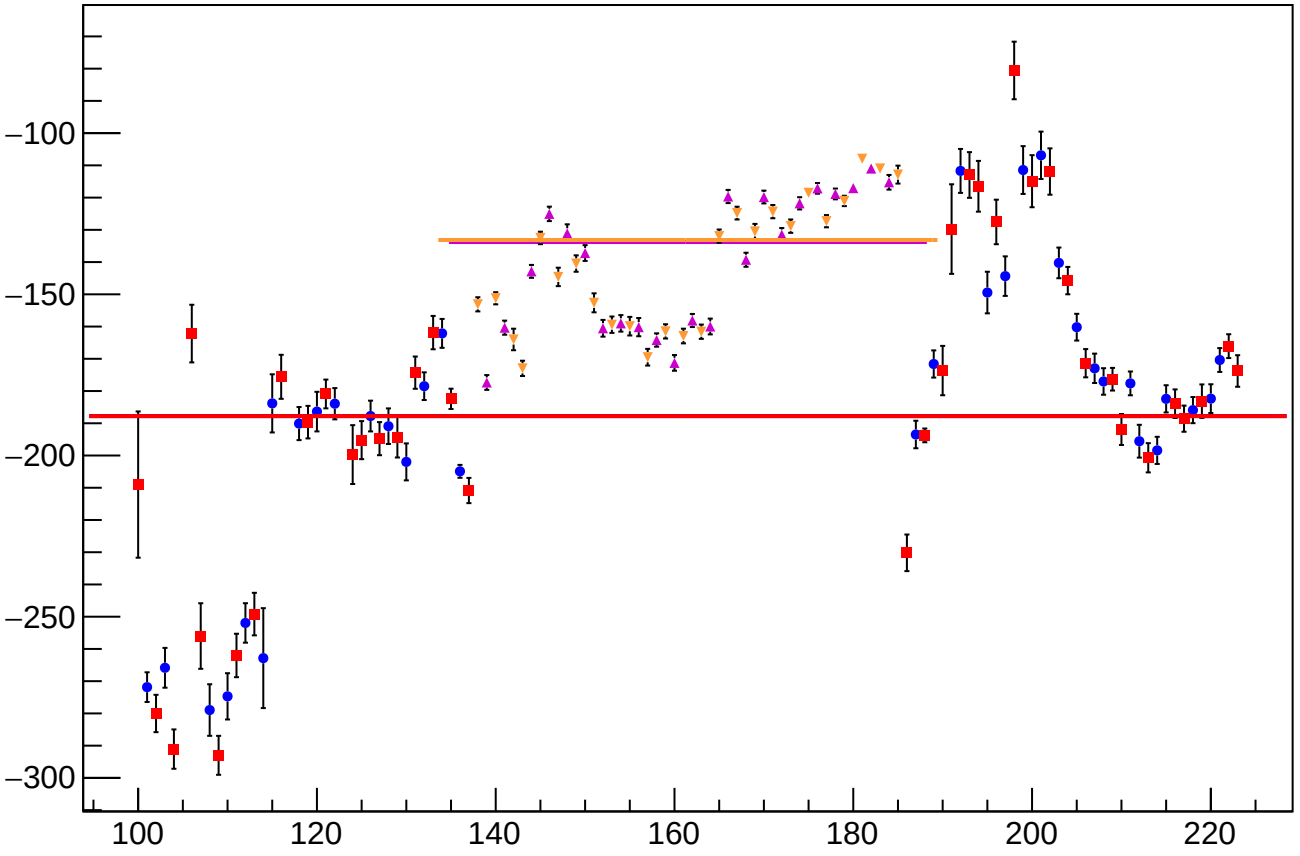
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -33.334+/-0.303 χ^2/NDF: 8207.0/58

All: -33.781+/-0.219 χ^2/NDF: 17568.3/120

- sign -34.263+/-0.315 χ^2/NDF: 9356.8/61

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -187.770+/-0.801 χ^2/NDF: 1678.6/33

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -187.783+/-0.808 χ^2/NDF: 2054.2/38

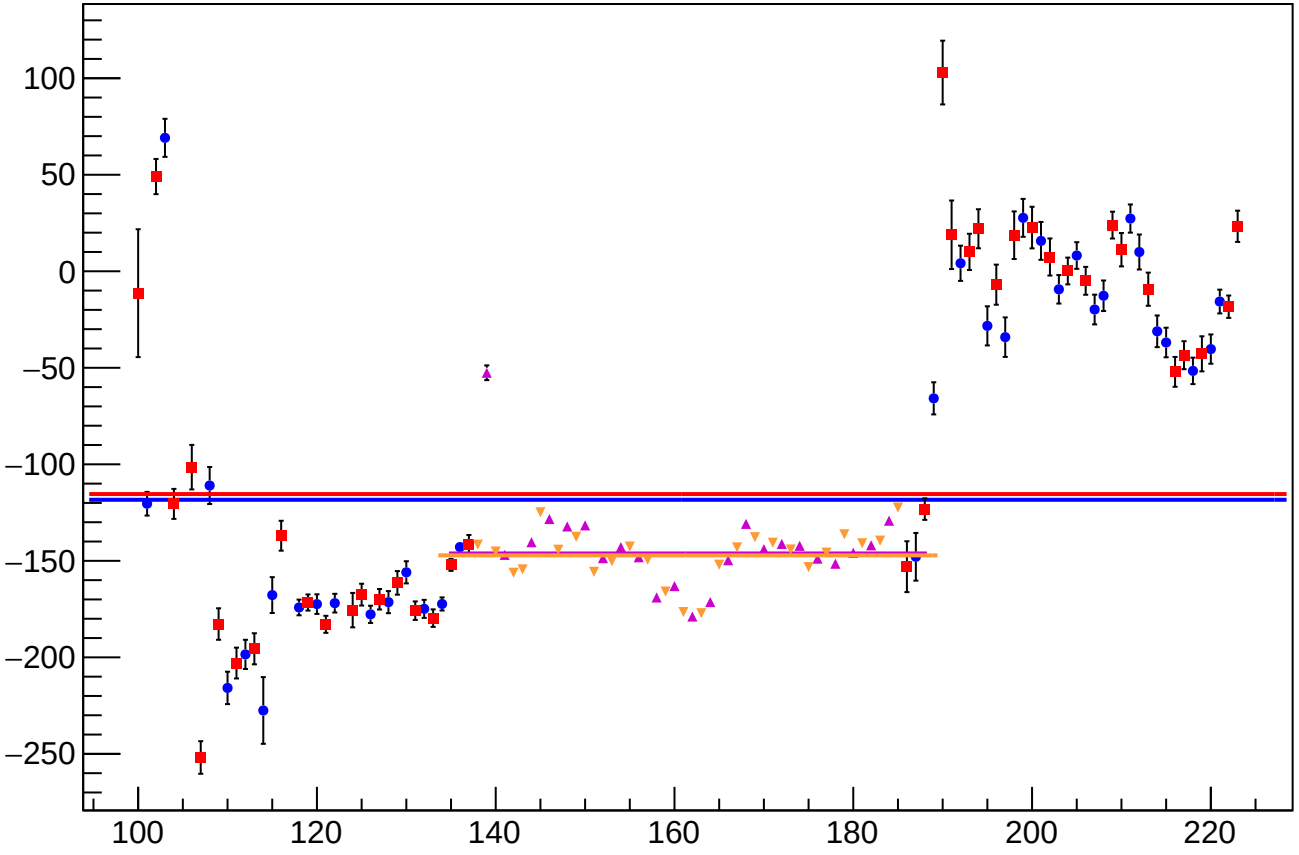
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -144.184+/-0.360 χ^2/NDF: 7919.4/58

All: -144.649+/-0.258 χ^2/NDF: 15947.7/120

- sign -145.142+/-0.371 χ^2/NDF: 8024.8/61

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -118.371+/-1.032 χ^2/NDF: 4897.1/33

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -115.406+/-1.083 χ^2/NDF: 5374.9/38

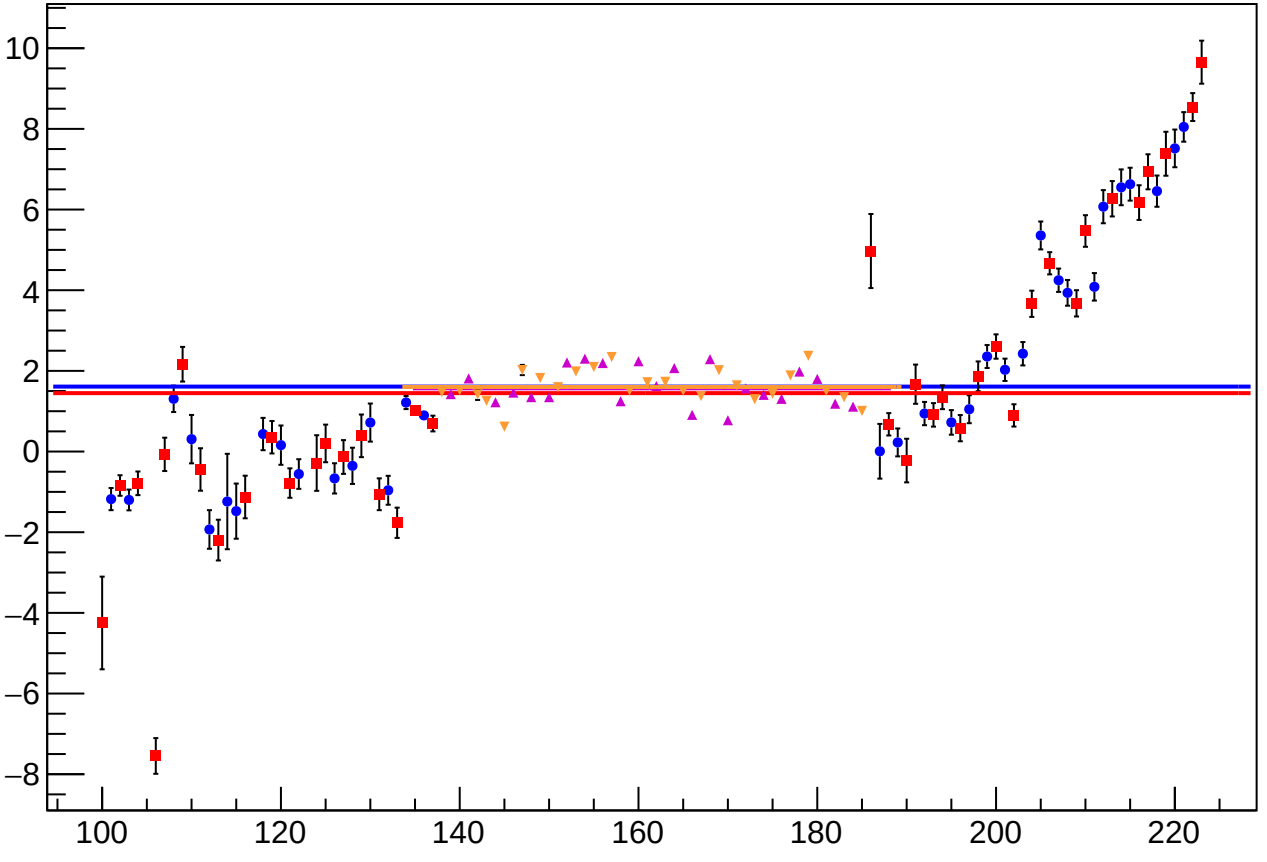
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -144.073+/-0.338 χ^2/NDF: 6837.5/58

All: -143.531+/-0.243 χ^2/NDF: 14733.6/120

- sign -142.950+/-0.351 χ^2/NDF: 7890.8/61

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.610+/-0.051 χ^2/NDF: 1913.6/33

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.448+/-0.054 χ^2/NDF: 2474.8/38

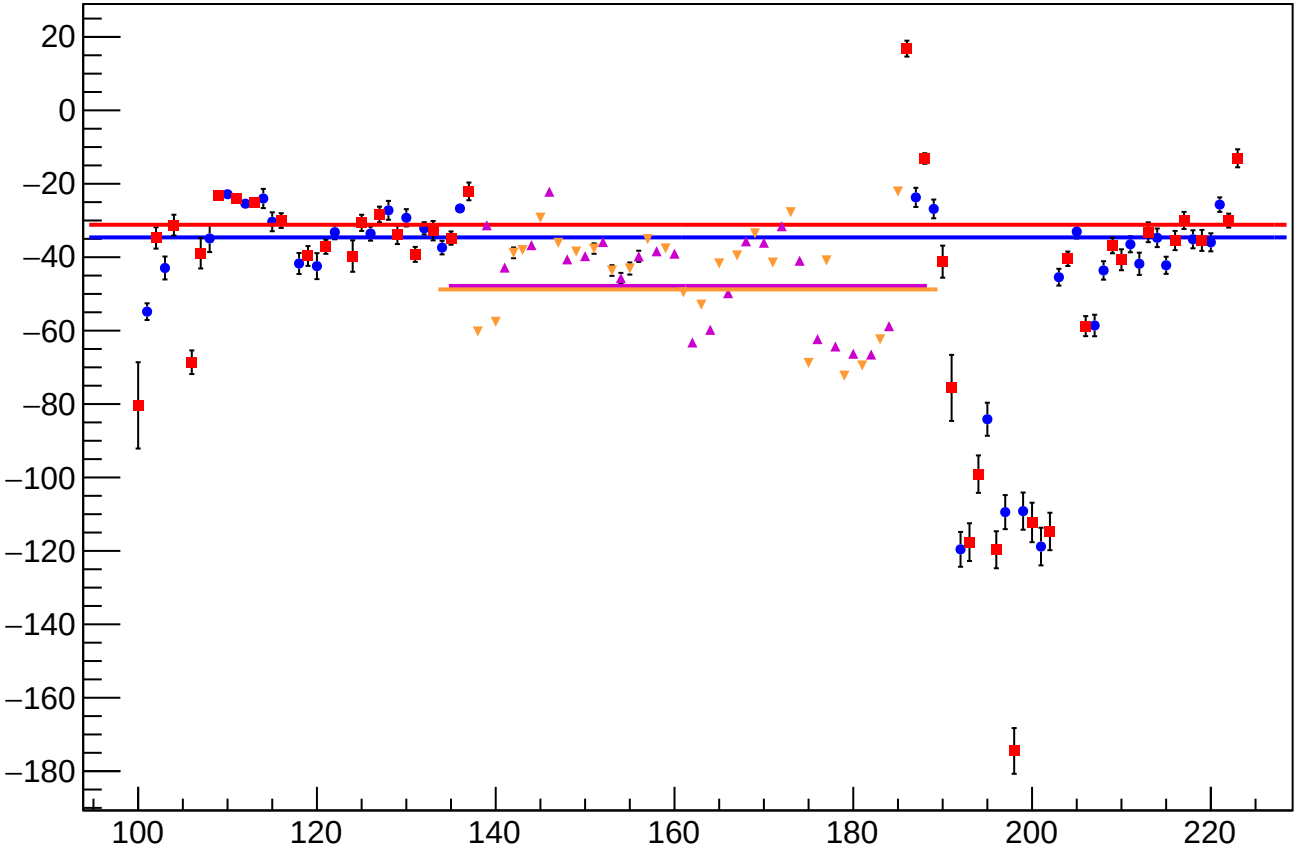
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.602+/-0.015 χ^2/NDF: 2495.4/58

All: 1.580+/-0.011 χ^2/NDF: 5714.1/120

- sign 1.557+/-0.016 χ^2/NDF: 3214.4/61

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.604+/-0.376 χ^2/NDF: 1692.9/33

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.164+/-0.361 χ^2/NDF: 3014.3/38

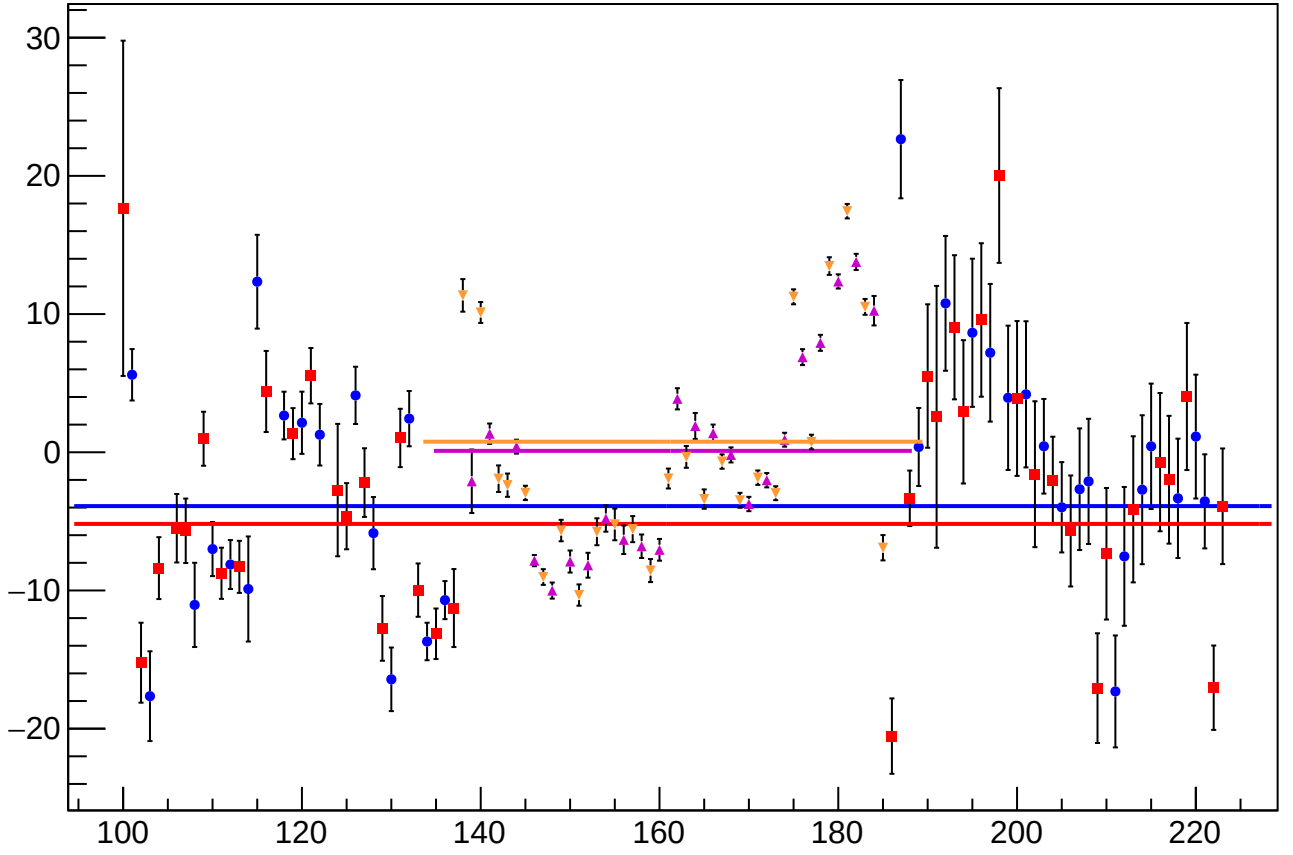
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.452+/-0.152 χ^2/NDF: 11835.0/58

All: -45.633+/-0.108 χ^2/NDF: 23874.0/120

- sign -44.799+/-0.154 χ^2/NDF: 11980.7/61

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.896+/-0.453 χ^2/NDF: 322.3/33

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.184+/-0.453 χ^2/NDF: 239.6/38

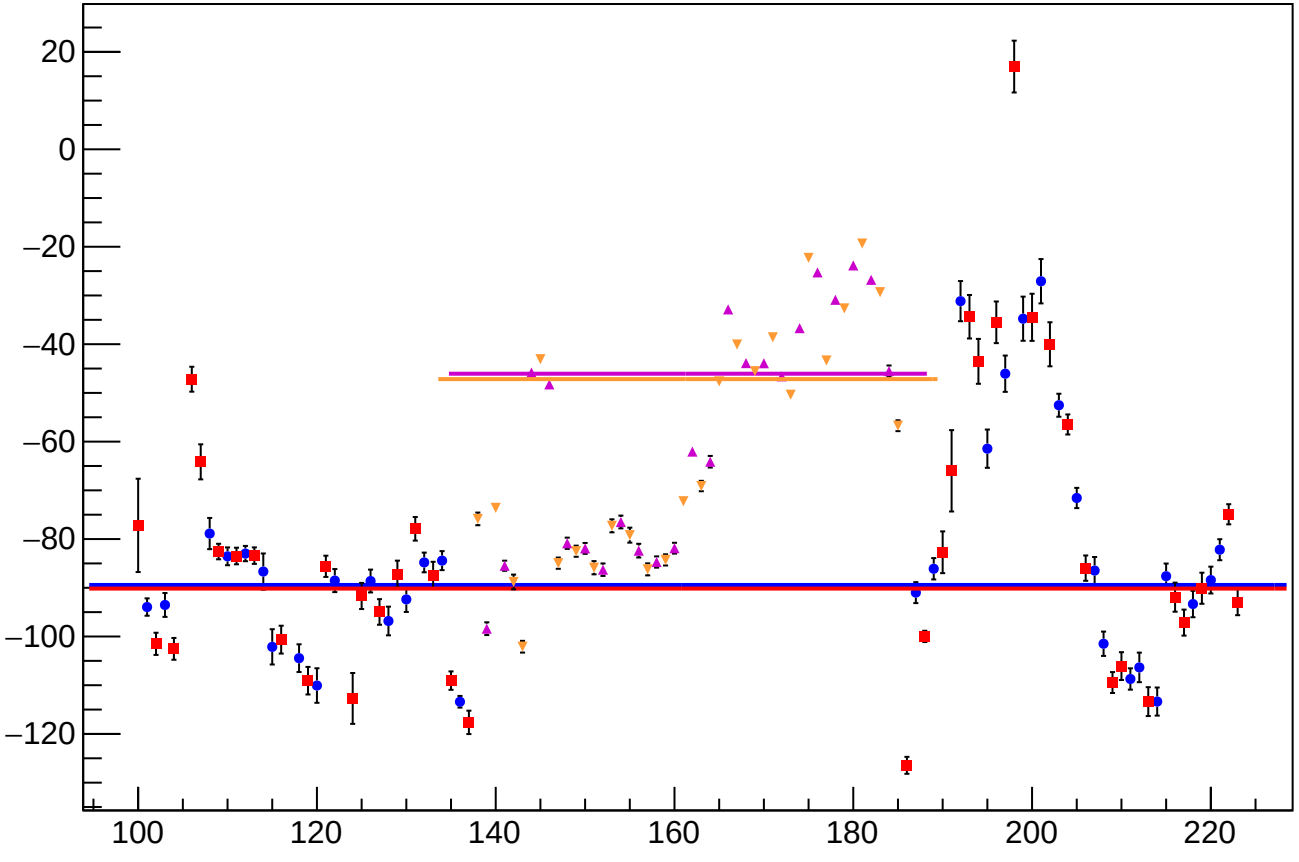
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.399+/-0.127 χ^2/NDF: 3887.1/58

All: 0.043+/-0.090 χ^2/NDF: 6989.5/120

- sign -0.317+/-0.128 χ^2/NDF: 3086.6/61

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.421+/-0.410 χ^2/NDF: 1799.6/33

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.166+/-0.396 χ^2/NDF: 2896.6/38

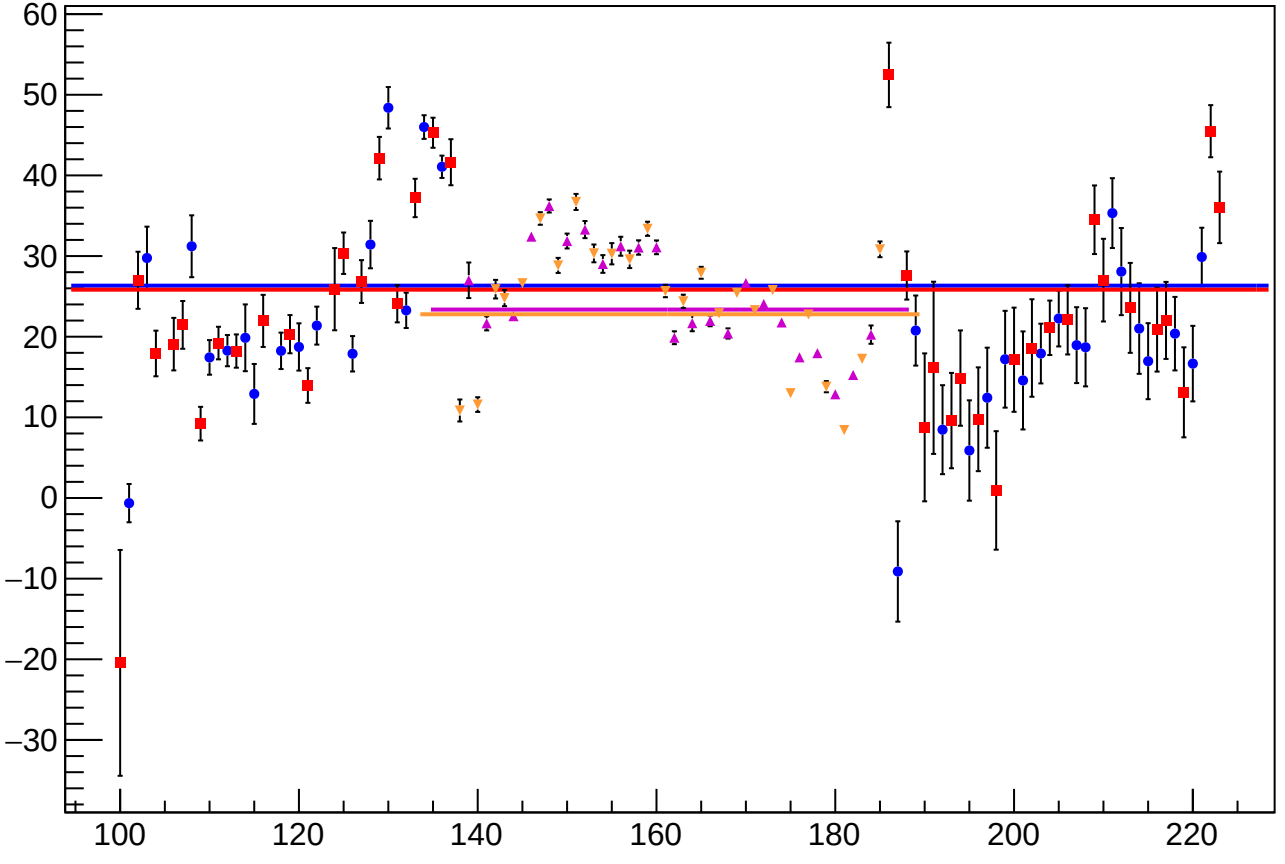
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -53.218+/-0.155 χ^2/NDF: 28565.7/58

All: -53.076+/-0.110 χ^2/NDF: 56704.9/120

- sign -52.932+/-0.156 χ^2/NDF: 28137.5/61

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.329+/-0.507 χ^2/NDF: 686.5/33

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.831+/-0.517 χ^2/NDF: 492.0/38

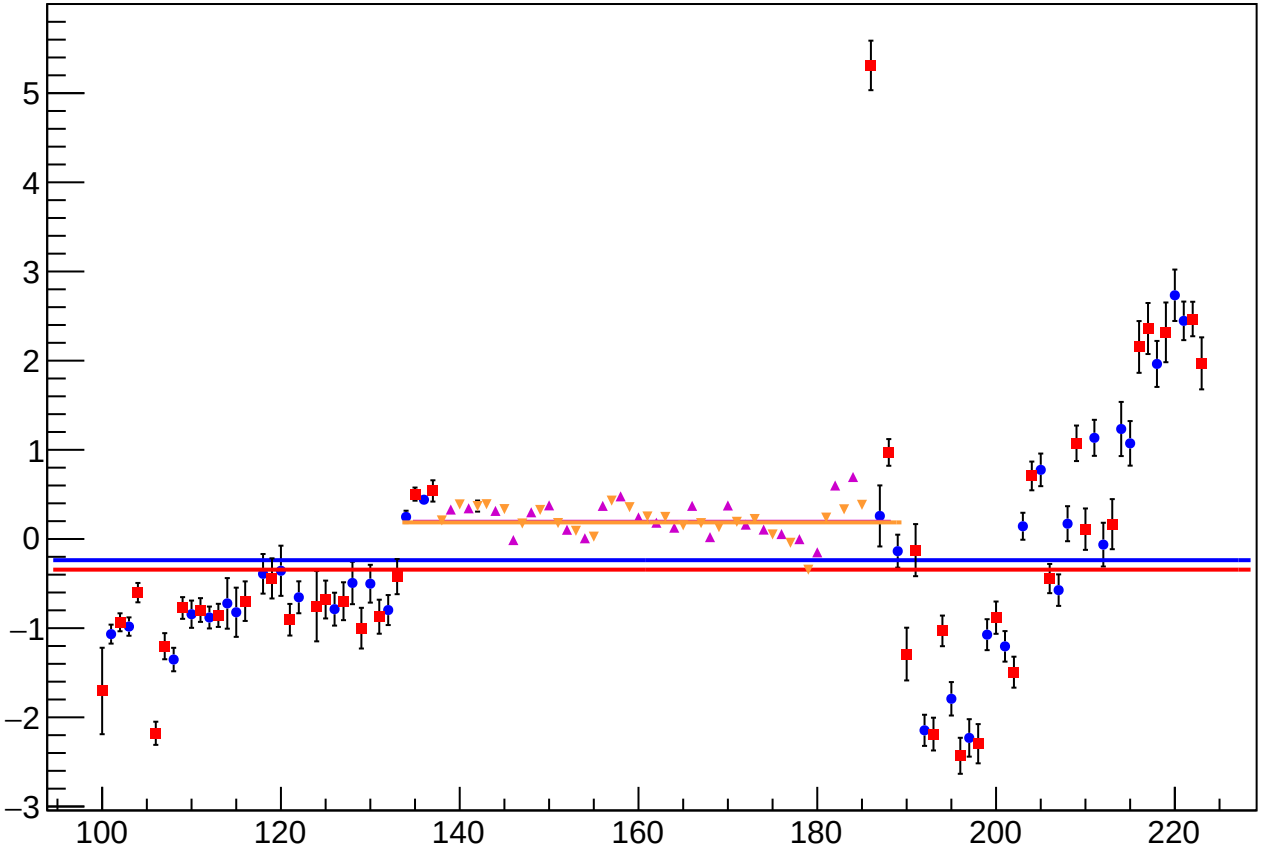
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.058+/-0.141 χ^2/NDF: 3144.6/58

All: 23.303+/-0.101 χ^2/NDF: 5449.1/120

- sign 23.554+/-0.143 χ^2/NDF: 2298.4/61

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.238+/-0.026 χ^2/NDF: 1268.4/33

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.344+/-0.027 χ^2/NDF: 2002.9/38

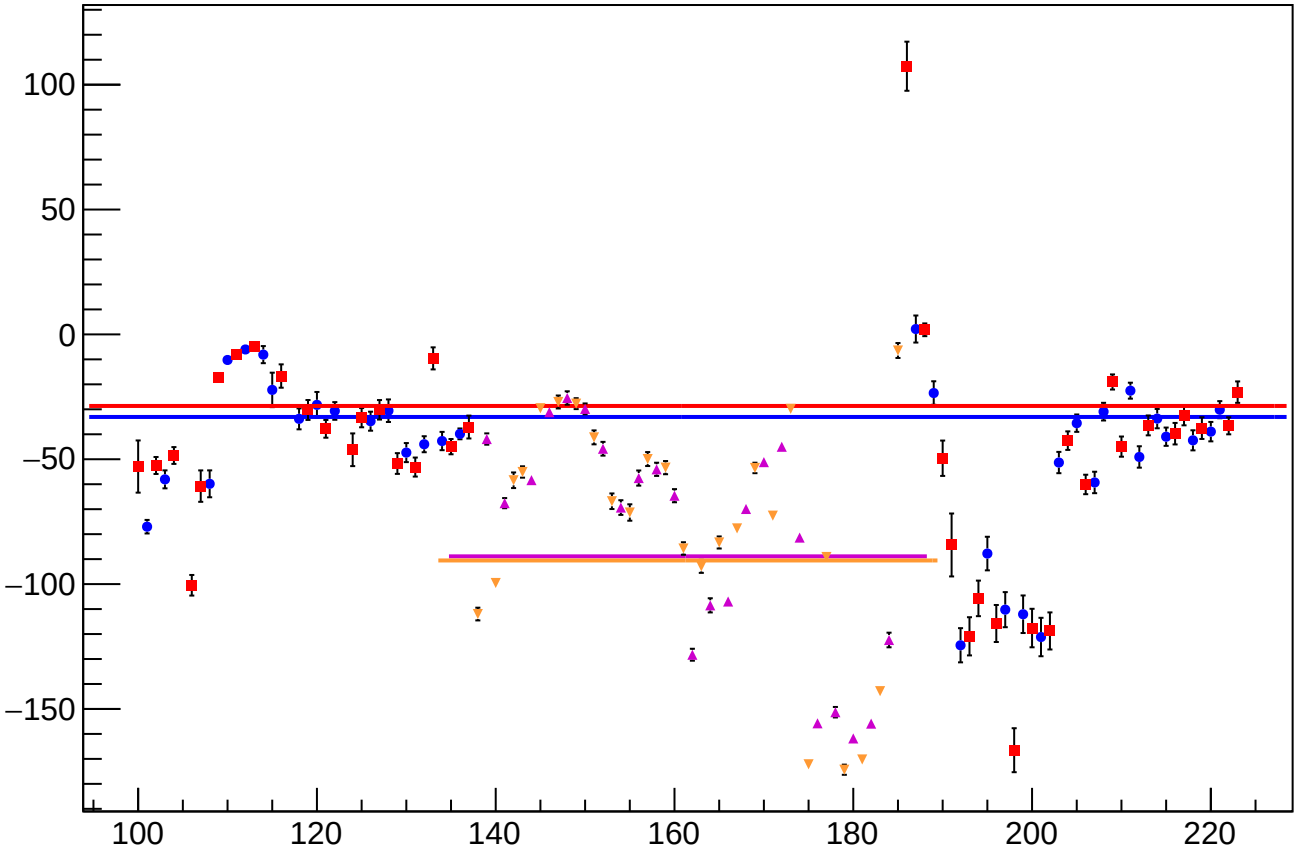
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.160+/-0.006 χ^2/NDF: 2167.5/58

All: 0.161+/-0.005 χ^2/NDF: 5484.4/120

- sign 0.162+/-0.006 χ^2/NDF: 3316.9/61

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -33.065+/-0.593 χ^2/NDF: 1691.1/33

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.659+/-0.554 χ^2/NDF: 2446.4/38

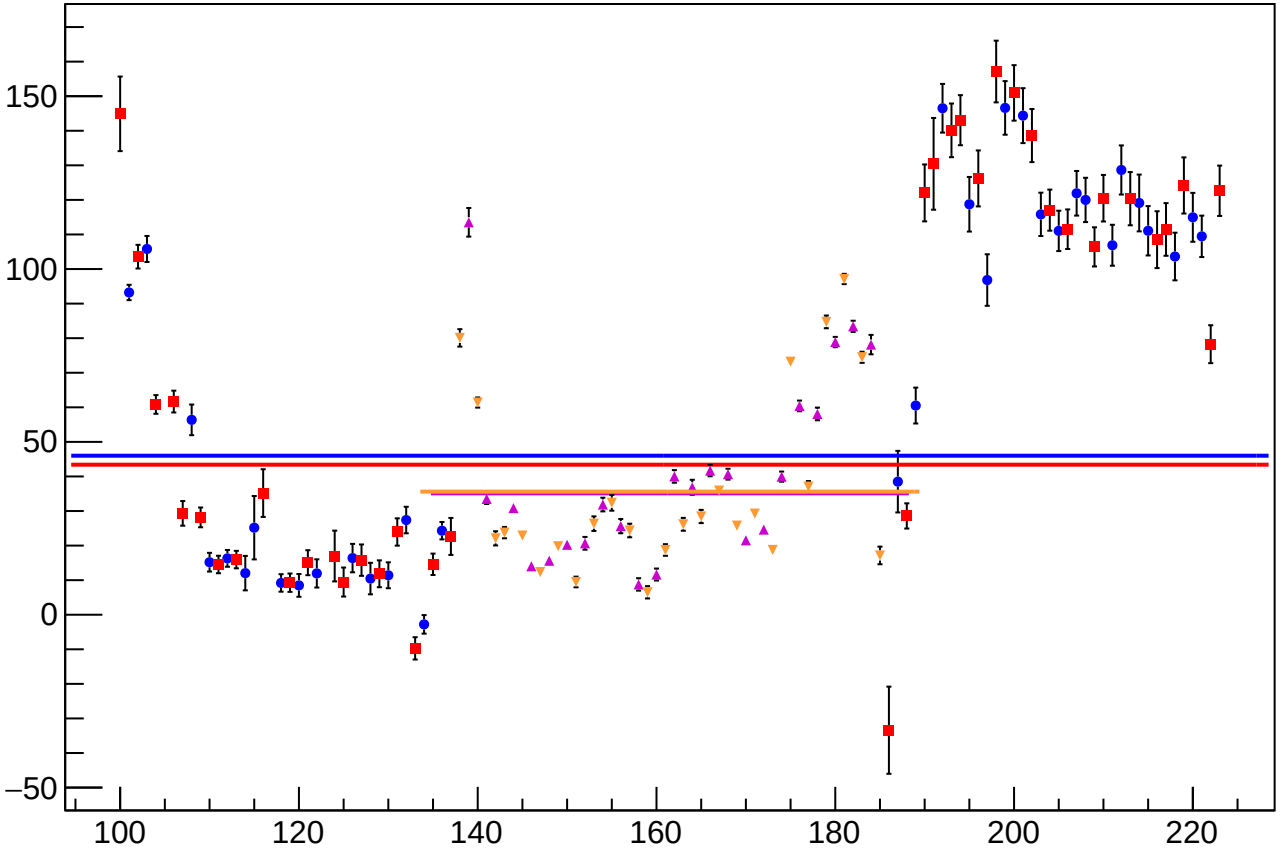
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -71.251+/-0.343 χ^2/NDF: 23293.6/58

All: -68.594+/-0.242 χ^2/NDF: 44989.8/120

- sign -65.959+/-0.342 χ^2/NDF: 21577.0/61

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 46.002+/-0.721 χ^2/NDF: 3944.2/33

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 43.402+/-0.707 χ^2/NDF: 3753.3/38

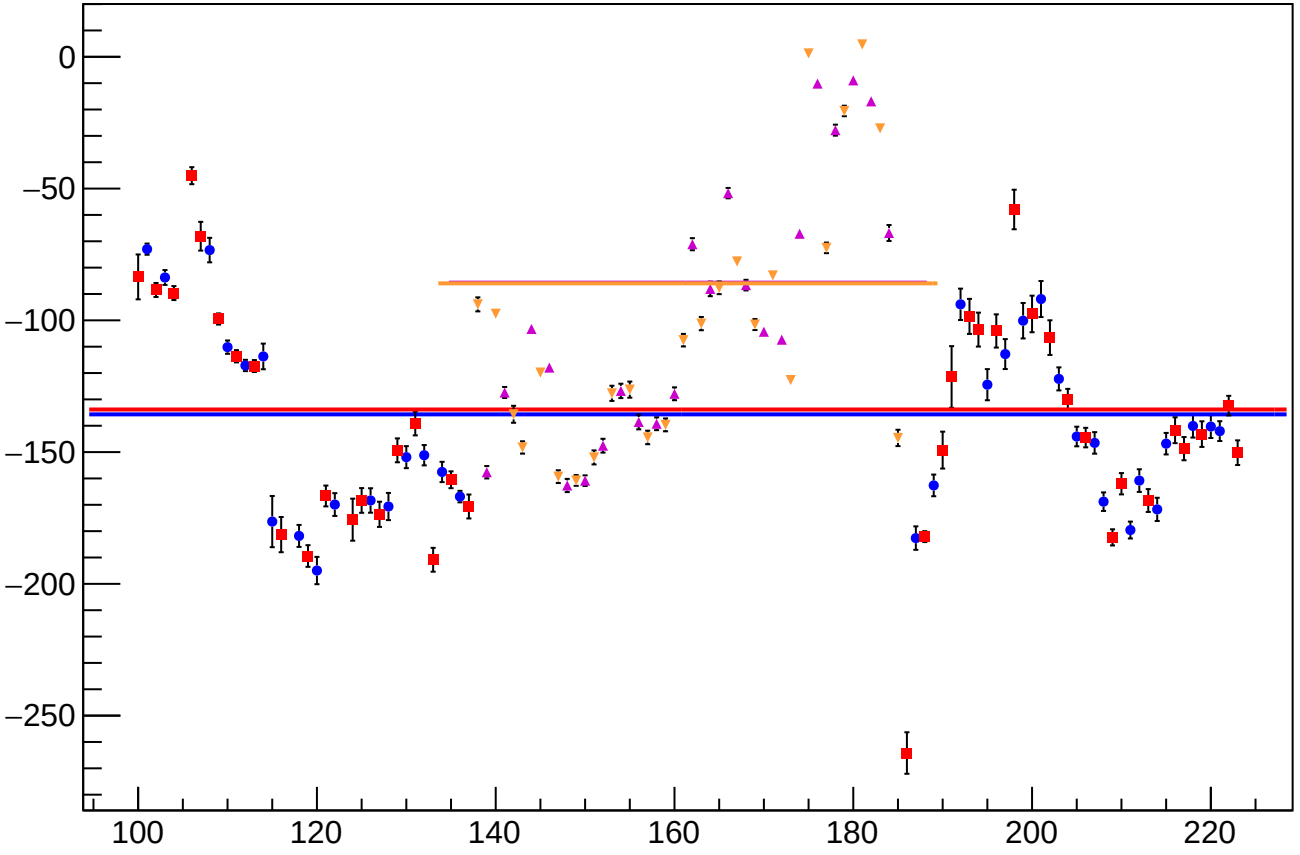
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 37.375+/-0.297 χ^2/NDF: 10089.8/58

All: 37.017+/-0.212 χ^2/NDF: 18102.6/120

- sign 36.642+/-0.304 χ^2/NDF: 8009.8/61

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -135.683+/-0.646 χ^2/NDF: 2986.9/33

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -133.828+/-0.621 χ^2/NDF: 4100.7/38

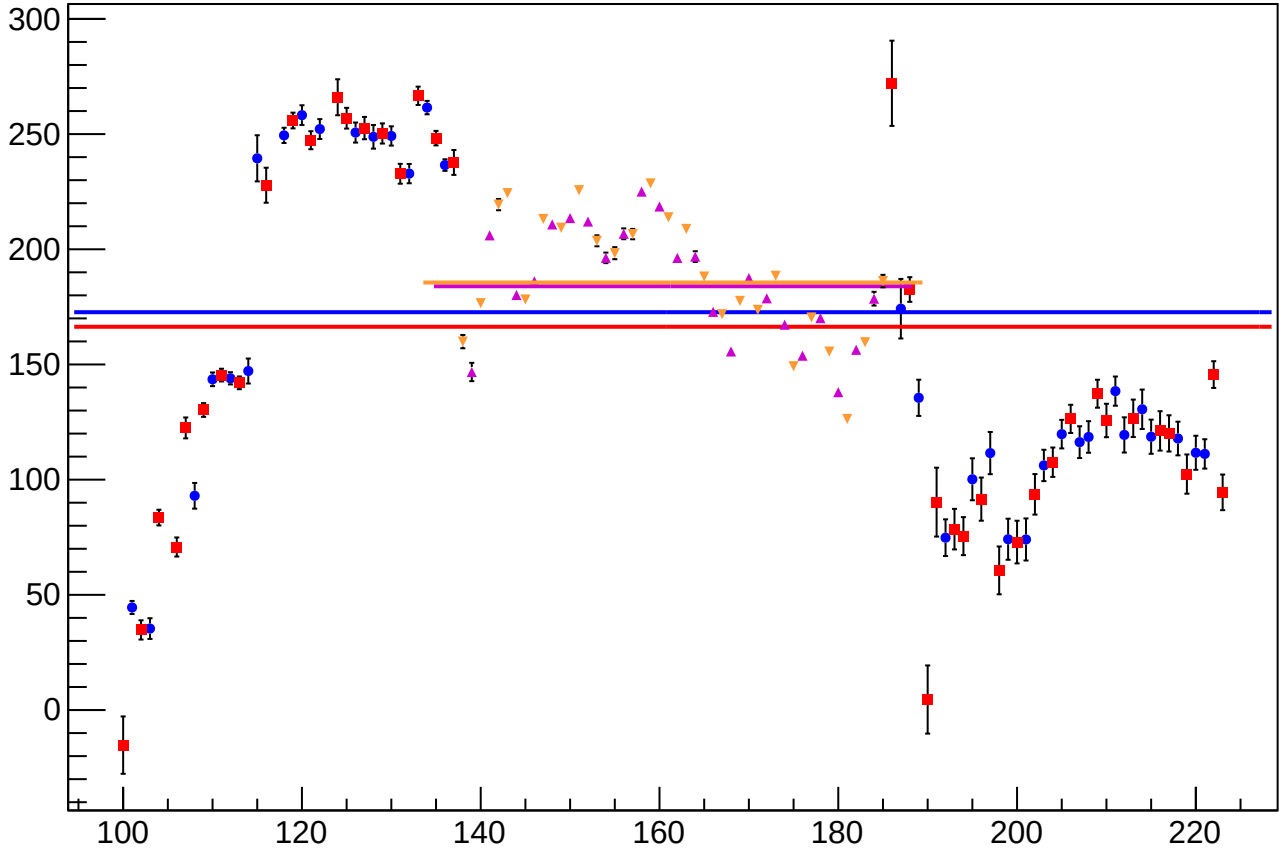
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -100.790+/-0.353 χ^2/NDF: 23380.2/58

All: -101.112+/-0.250 χ^2/NDF: 45289.3/120

- sign -101.438+/-0.355 χ^2/NDF: 21907.4/61

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 172.690+/-0.817 χ^2/NDF: 8591.2/33

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 166.368+/-0.807 χ^2/NDF: 8031.6/38

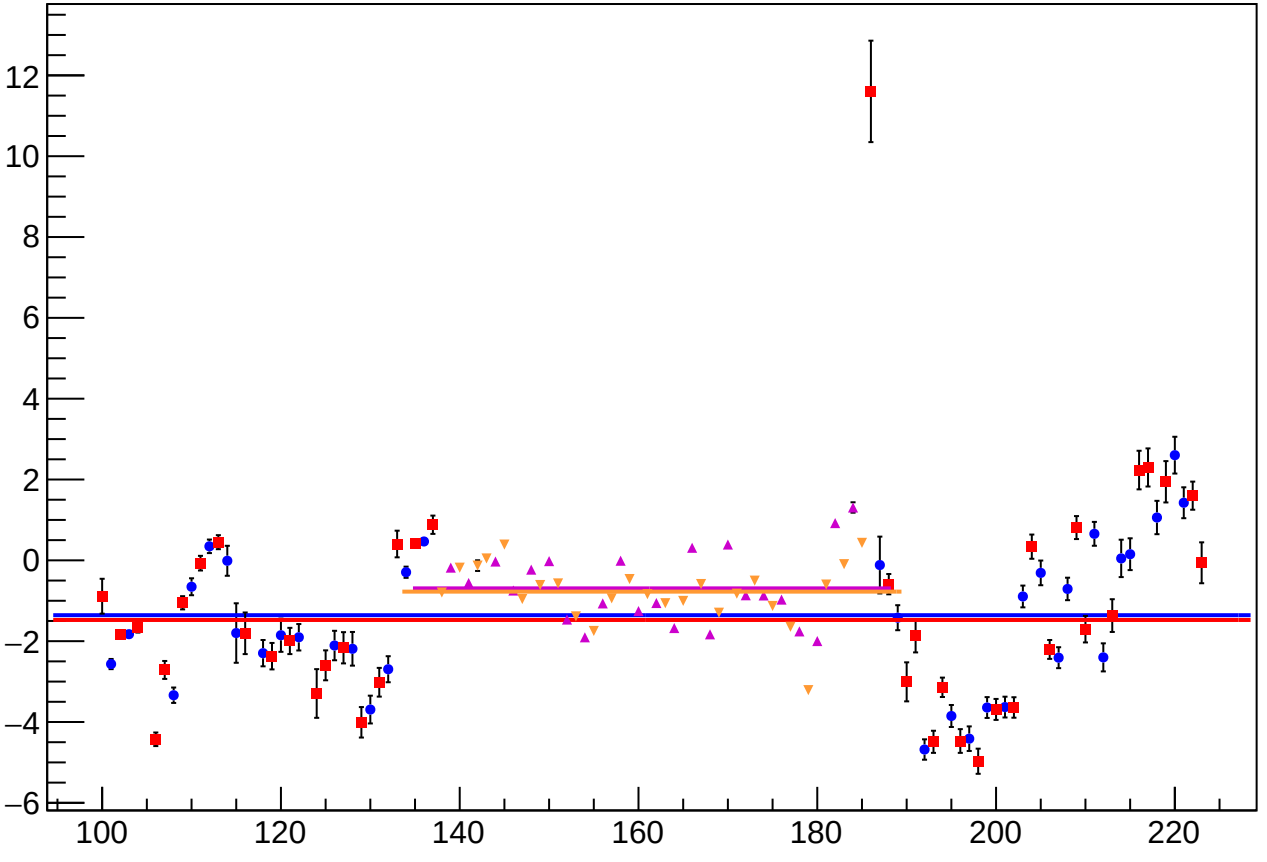
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 183.421+/-0.335 χ^2/NDF: 14153.1/58

All: 182.131+/-0.239 χ^2/NDF: 26477.5/120

- sign 180.783+/-0.342 χ^2/NDF: 12294.0/61

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.357+/-0.040 χ^2/NDF: 1604.9/33

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.475+/-0.040 χ^2/NDF: 2058.0/38

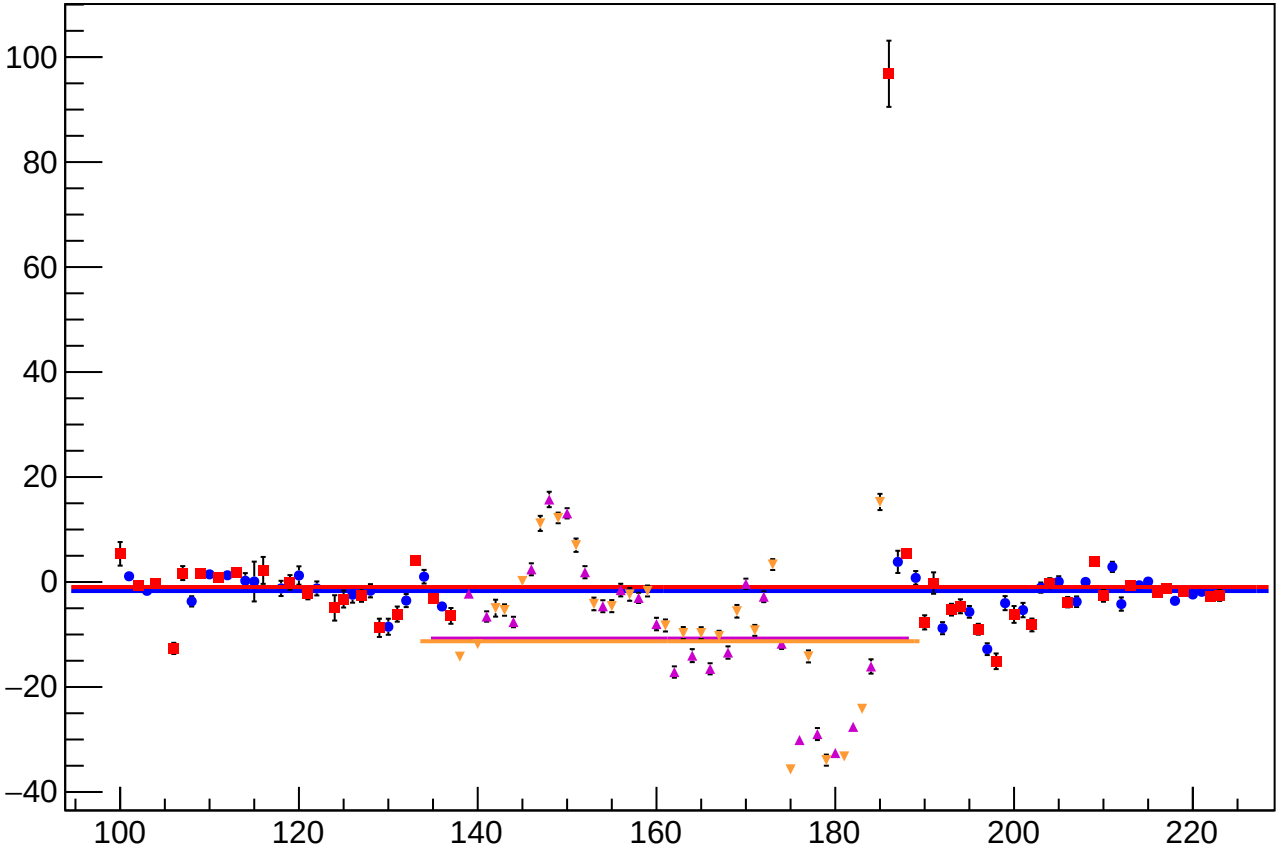
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.857+/-0.015 χ^2/NDF: 3607.8/58

All: -0.835+/-0.011 χ^2/NDF: 8565.1/120

- sign -0.812+/-0.015 χ^2/NDF: 4953.0/61

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.722+/-0.174 χ^2/NDF: 330.2/33

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.955+/-0.161 χ^2/NDF: 938.1/38

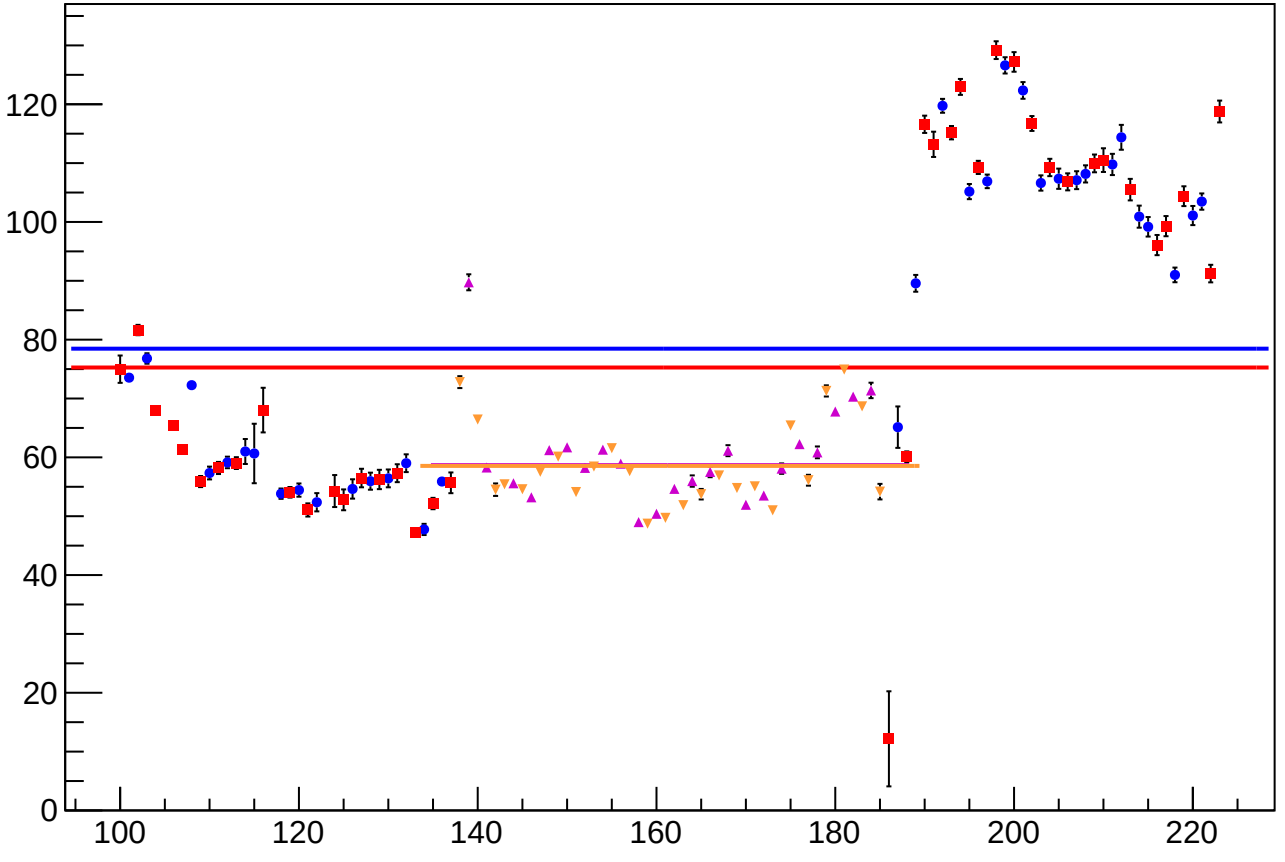
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

\+ sign -5.663+/-0.134 χ^2/NDF: 6072.9/58

All: -5.068+/-0.093 χ^2/NDF: 12098.5/120

\- sign -4.518+/-0.129 χ^2/NDF: 5987.4/61

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 78.468+/-0.211 χ^2/NDF: 12645.0/33

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 75.268+/-0.196 χ^2/NDF: 17329.3/38

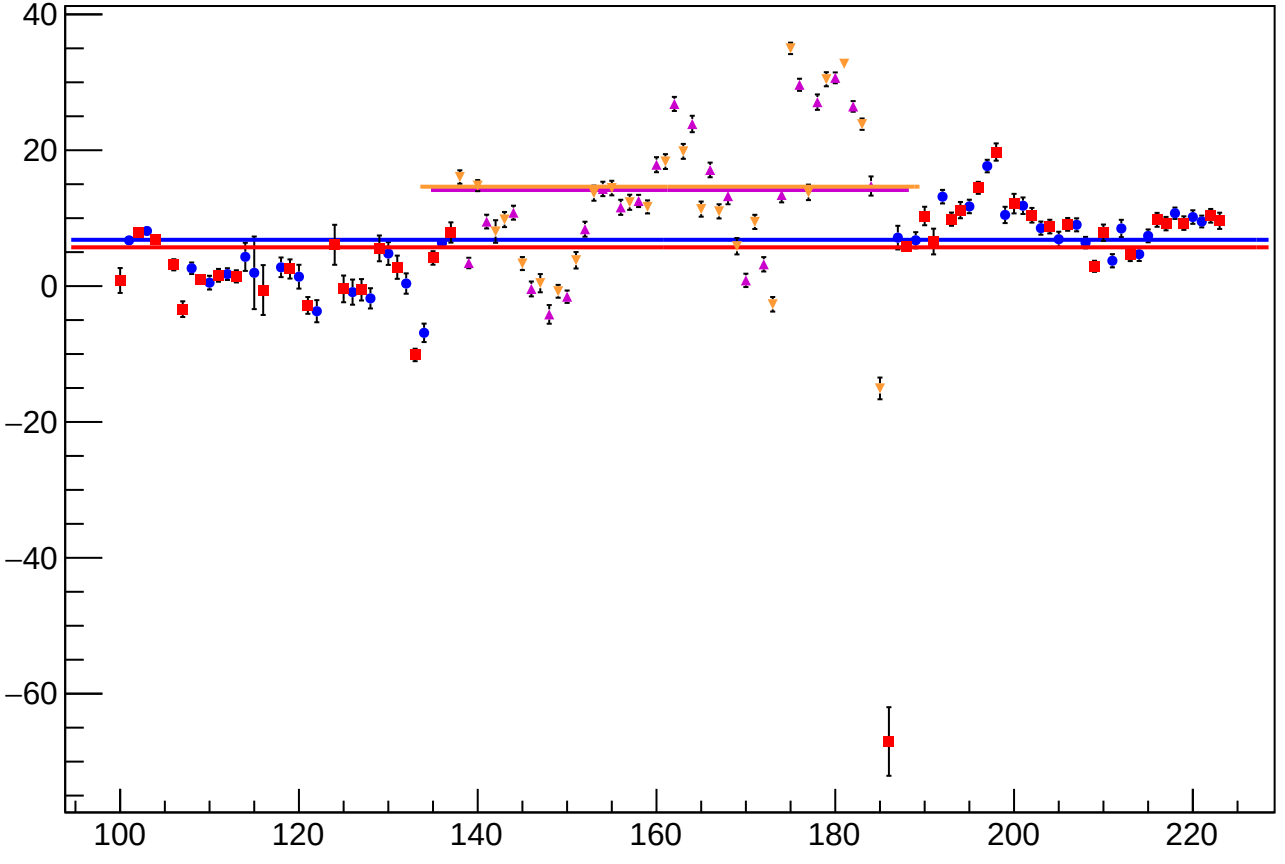
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 65.880+/-0.128 χ^2/NDF: 20168.3/58

All: 65.792+/-0.090 χ^2/NDF: 43222.9/120

- sign 65.704+/-0.128 χ^2/NDF: 23053.6/61

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.815+/-0.178 χ^2/NDF: 631.7/33

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.711+/-0.166 χ^2/NDF: 1196.3/38

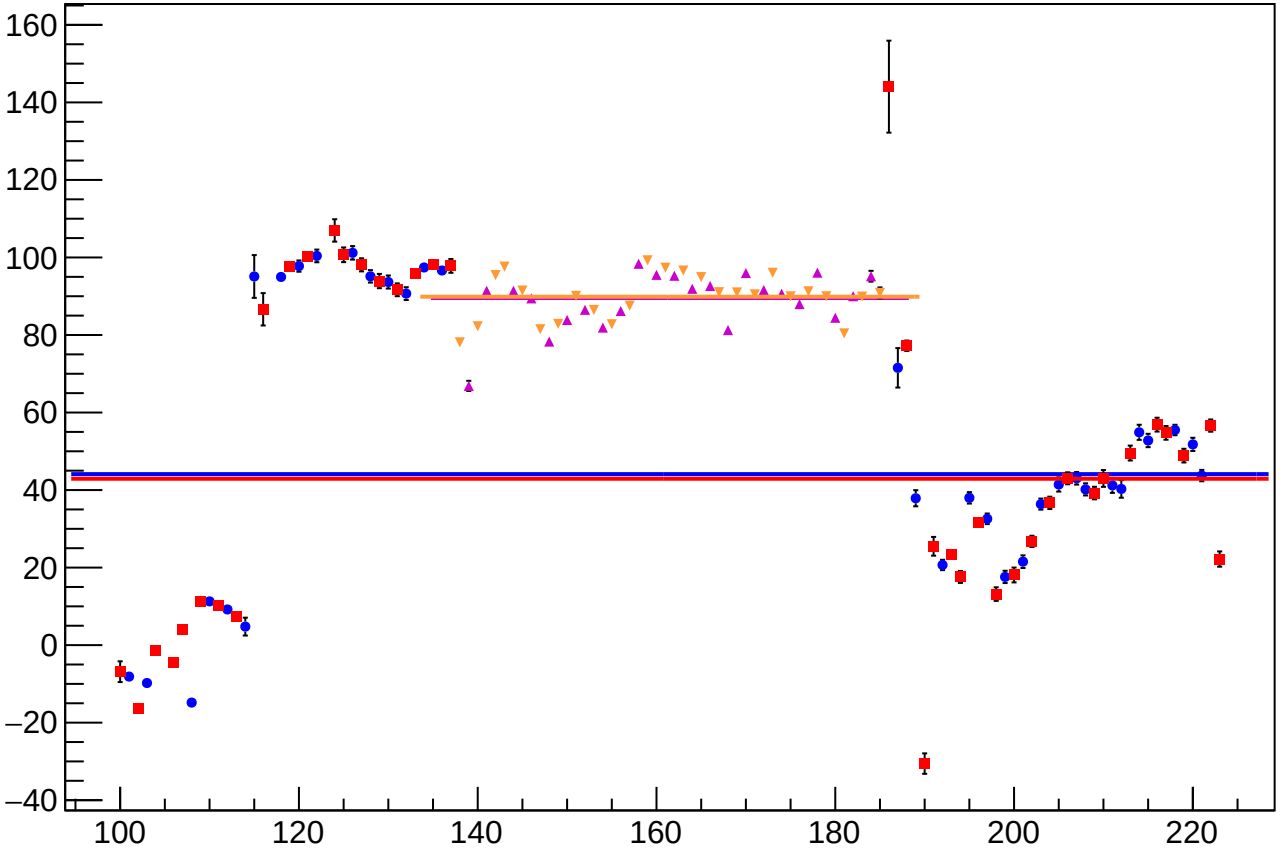
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

\+ sign 10.137+/-0.135 χ^2/NDF: 4416.8/58

All: 9.517+/-0.094 χ^2/NDF: 9180.4/120

\- sign 8.934+/-0.131 χ^2/NDF: 4722.4/61

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.109+/-0.242 χ^2/NDF: 28100.1/33

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.920+/-0.228 χ^2/NDF: 32064.5/38

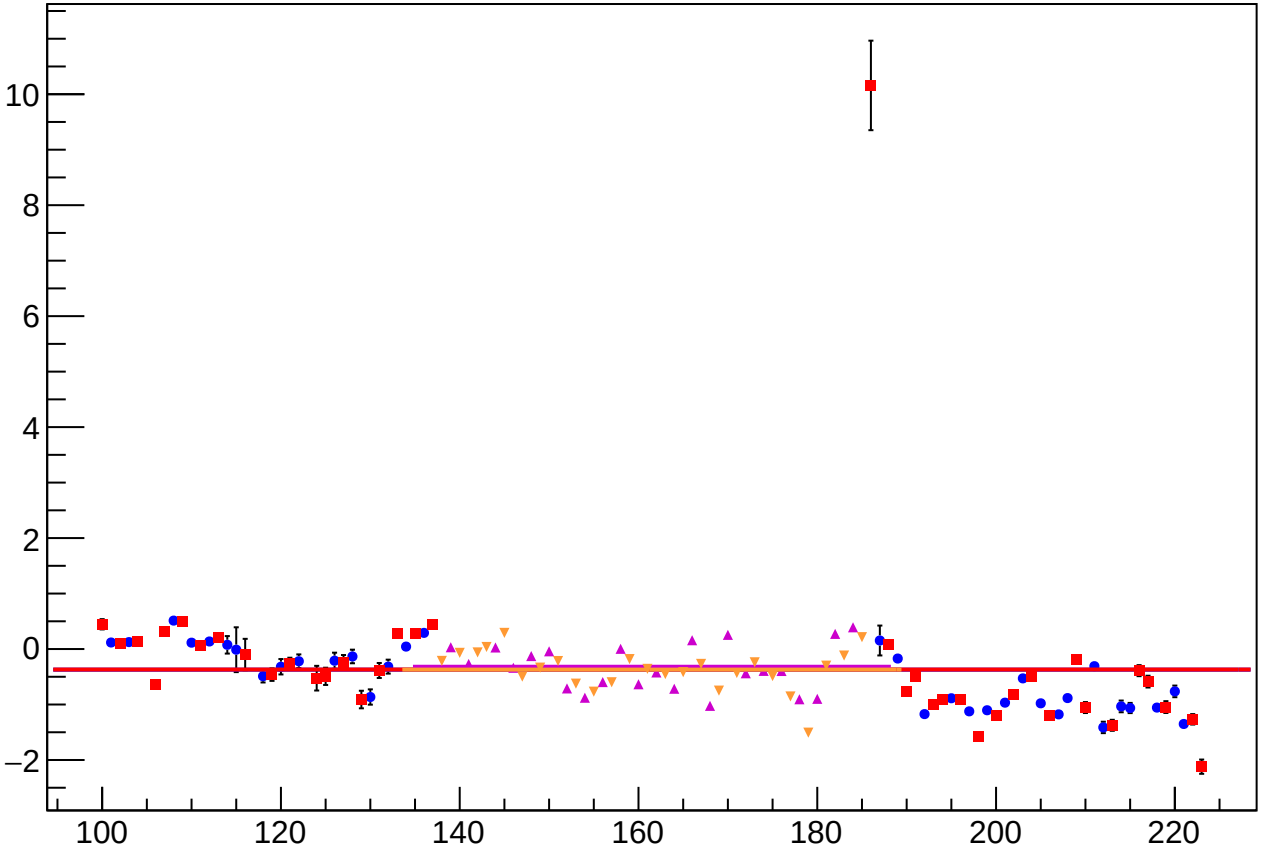
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 73.421+/-0.145 χ^2/NDF: 52145.6/58

All: 72.077+/-0.102 χ^2/NDF: 110409.2/120

- sign 70.734+/-0.145 χ^2/NDF: 58091.7/61

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.372+/-0.010 χ^2/NDF: 3704.0/33

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.370+/-0.010 χ^2/NDF: 4181.8/38

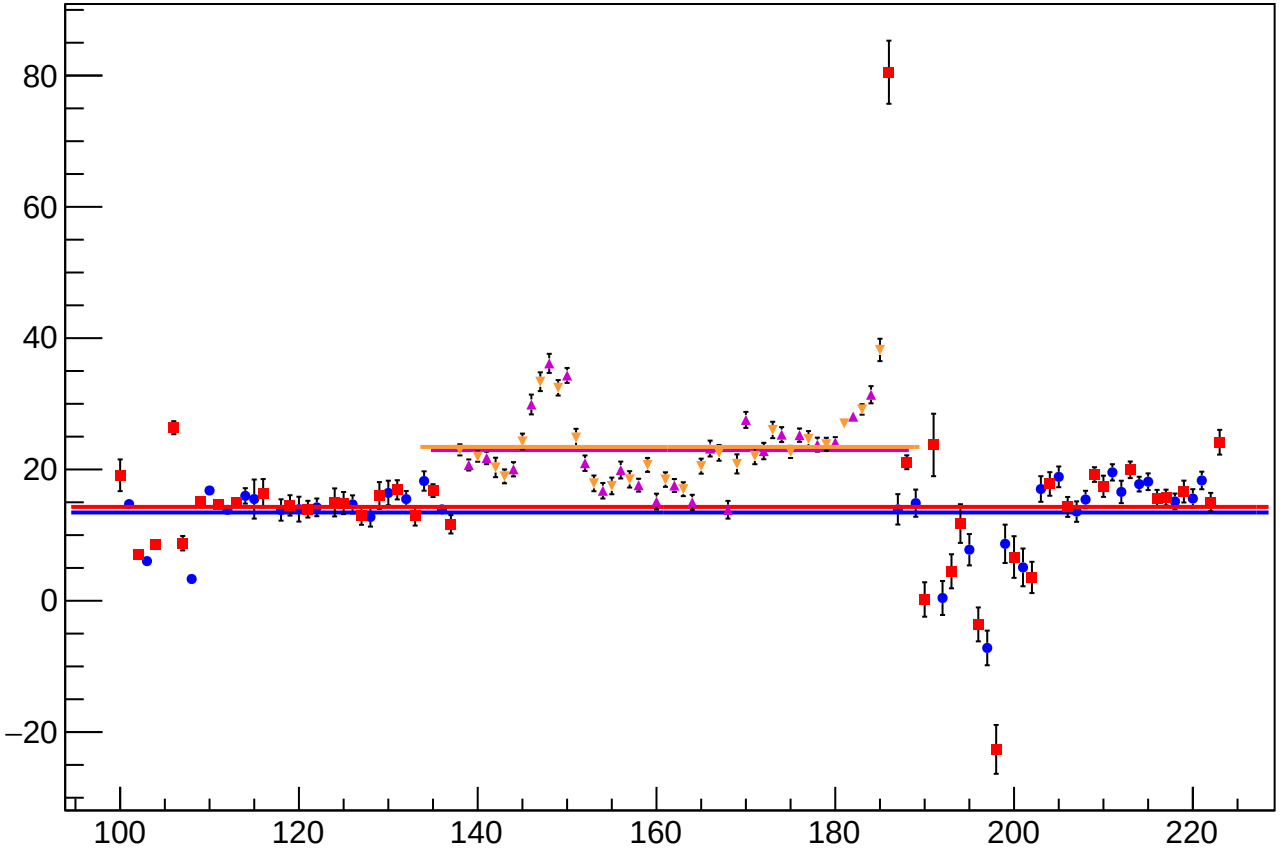
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.371+/-0.006 χ^2/NDF: 5473.5/58

All: -0.355+/-0.004 χ^2/NDF: 12124.7/120

- sign -0.340+/-0.006 χ^2/NDF: 6638.7/61

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.448+/-0.187 χ^2/NDF: 590.8/33

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.297+/-0.180 χ^2/NDF: 941.7/38

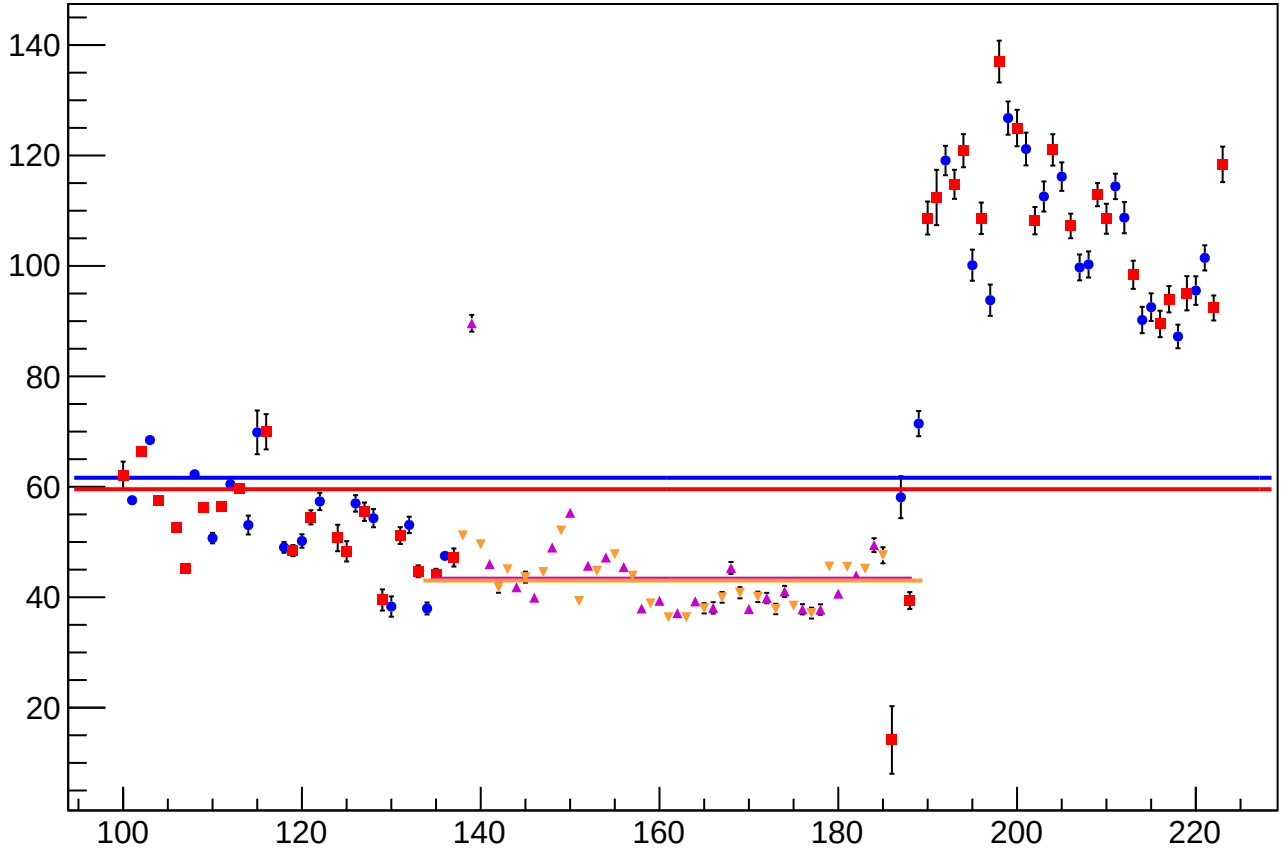
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.715+/-0.141 χ^2/NDF: 2243.4/58

All: 17.689+/-0.100 χ^2/NDF: 4650.9/120

- sign 17.663+/-0.141 χ^2/NDF: 2407.4/61

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 61.635+/-0.208 χ^2/NDF: 6355.9/33

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 59.560+/-0.210 χ^2/NDF: 7727.9/38

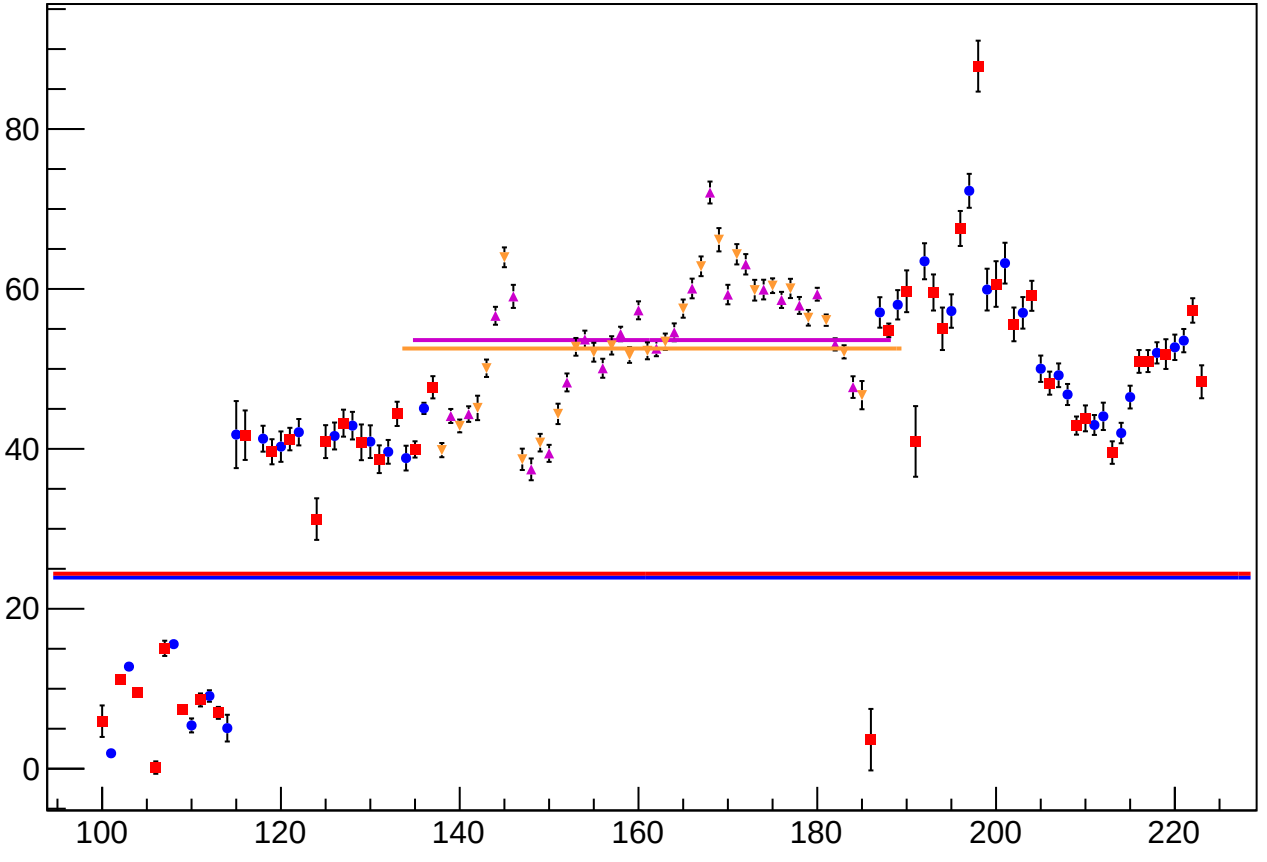
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 50.326+/-0.130 χ^2/NDF: 11987.7/58

All: 50.218+/-0.094 χ^2/NDF: 24883.8/120

- sign 50.102+/-0.135 χ^2/NDF: 12894.7/61

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 23.908+/-0.187 χ^2/NDF: 11996.5/33

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 24.389+/-0.189 χ^2/NDF: 11320.8/38

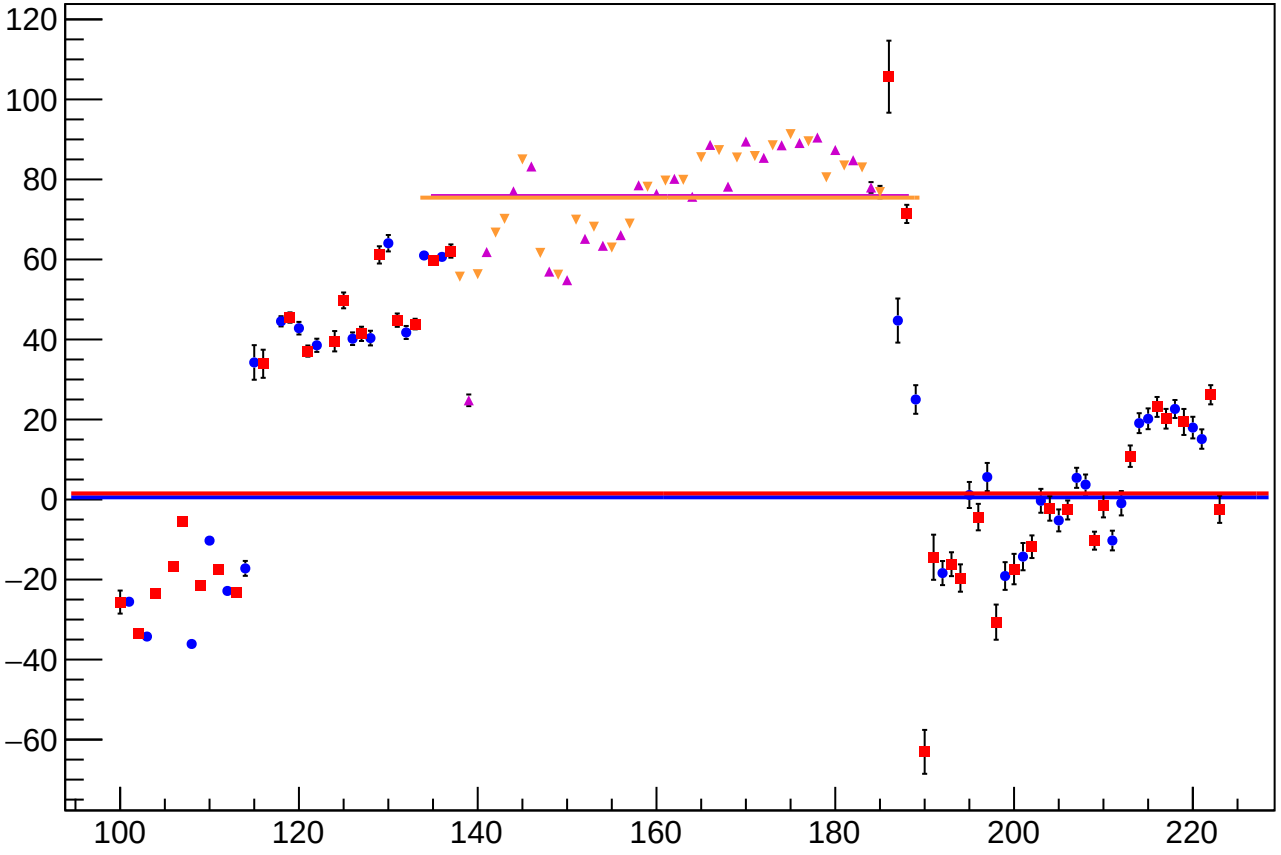
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 36.284+/-0.141 χ^2/NDF: 23300.5/58

All: 36.460+/-0.101 χ^2/NDF: 45613.8/120

- sign 36.644+/-0.144 χ^2/NDF: 22310.2/61

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.553+/-0.244 χ^2/NDF: 21561.3/33

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.527+/-0.245 χ^2/NDF: 17759.3/38

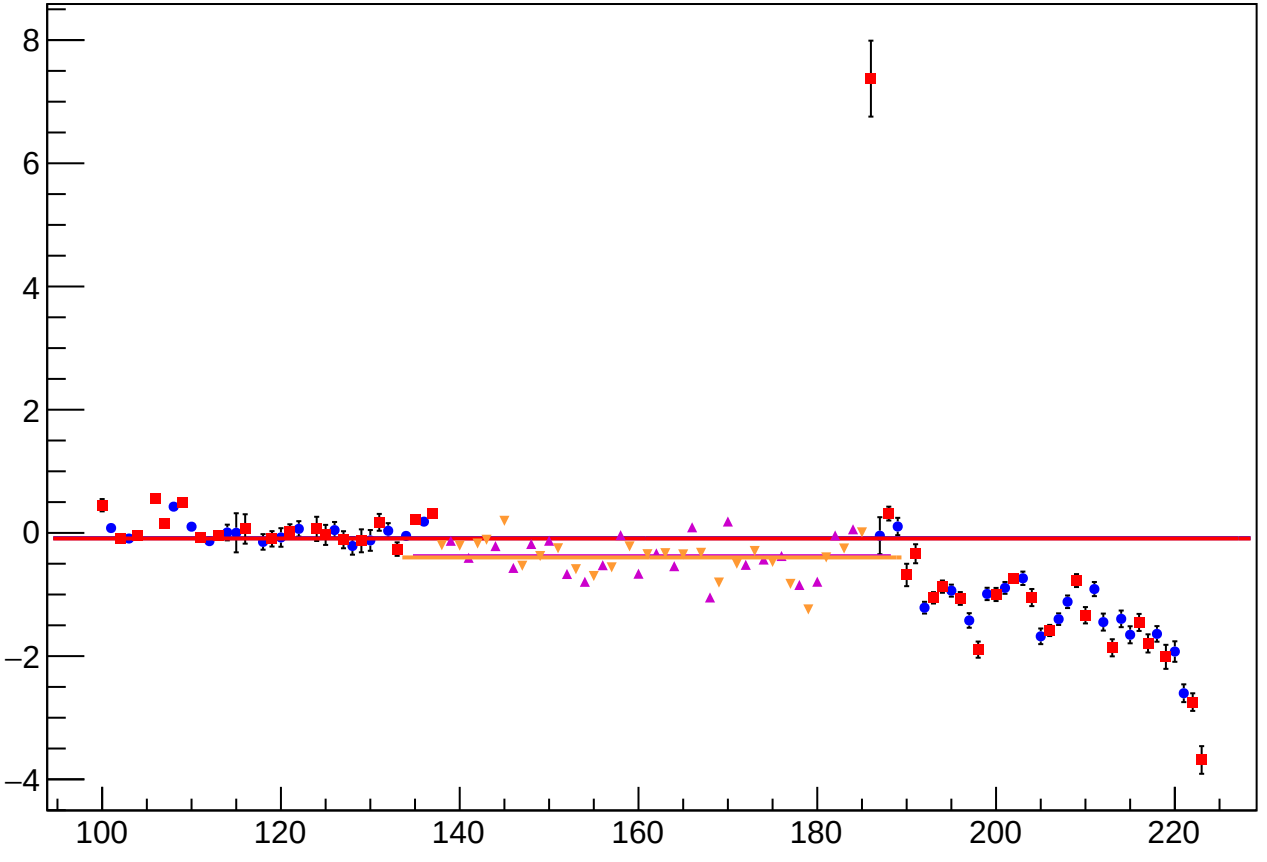
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 47.430+/-0.149 χ^2/NDF: 84186.3/58

All: 47.057+/-0.107 χ^2/NDF: 161963.4/120

- sign 46.660+/-0.154 χ^2/NDF: 77764.2/61

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.086+/-0.010 χ^2/NDF: 2501.0/33

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.091+/-0.011 χ^2/NDF: 2949.7/38

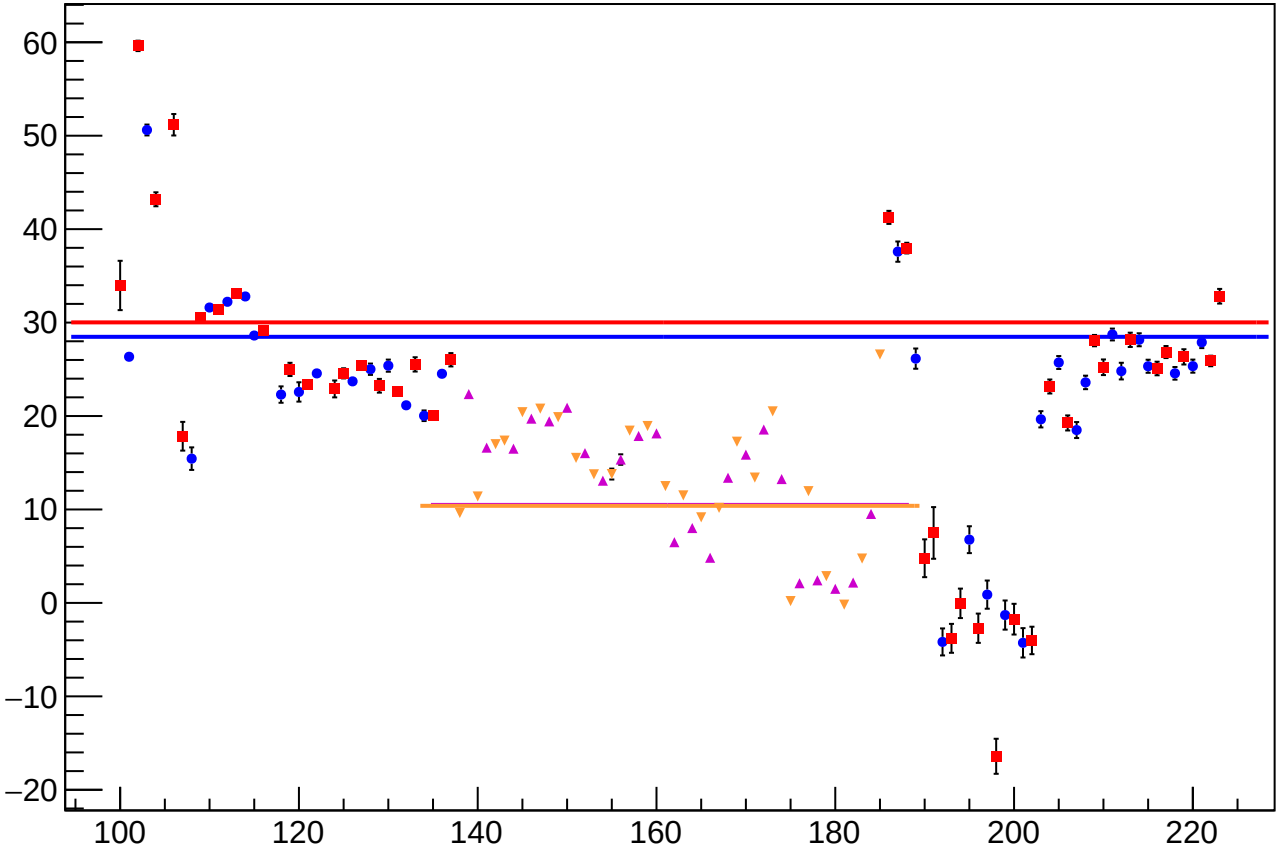
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.275+/-0.007 χ^2/NDF: 4078.6/58

All: -0.269+/-0.005 χ^2/NDF: 8826.8/120

- sign -0.263+/-0.007 χ^2/NDF: 4746.6/61

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.477+/-0.083 χ^2/NDF: 5846.3/33

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.021+/-0.074 χ^2/NDF: 9109.7/38

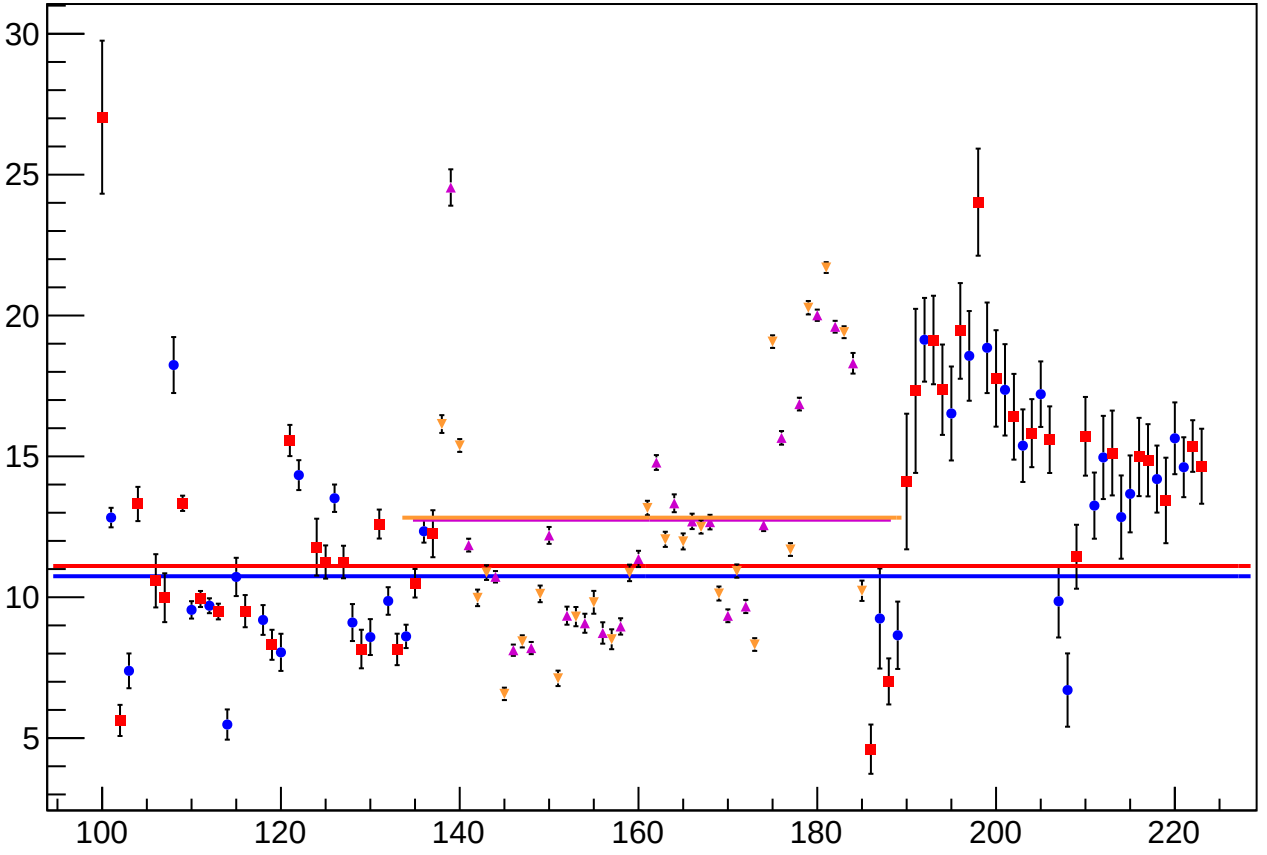
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 17.104+/-0.051 χ^2/NDF: 49172.1/58

All: 18.217+/-0.035 χ^2/NDF: 109183.8/120

- sign 19.272+/-0.050 χ^2/NDF: 59079.0/61

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.746+/-0.107 χ^2/NDF: 639.9/33

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.109+/-0.105 χ^2/NDF: 745.2/38

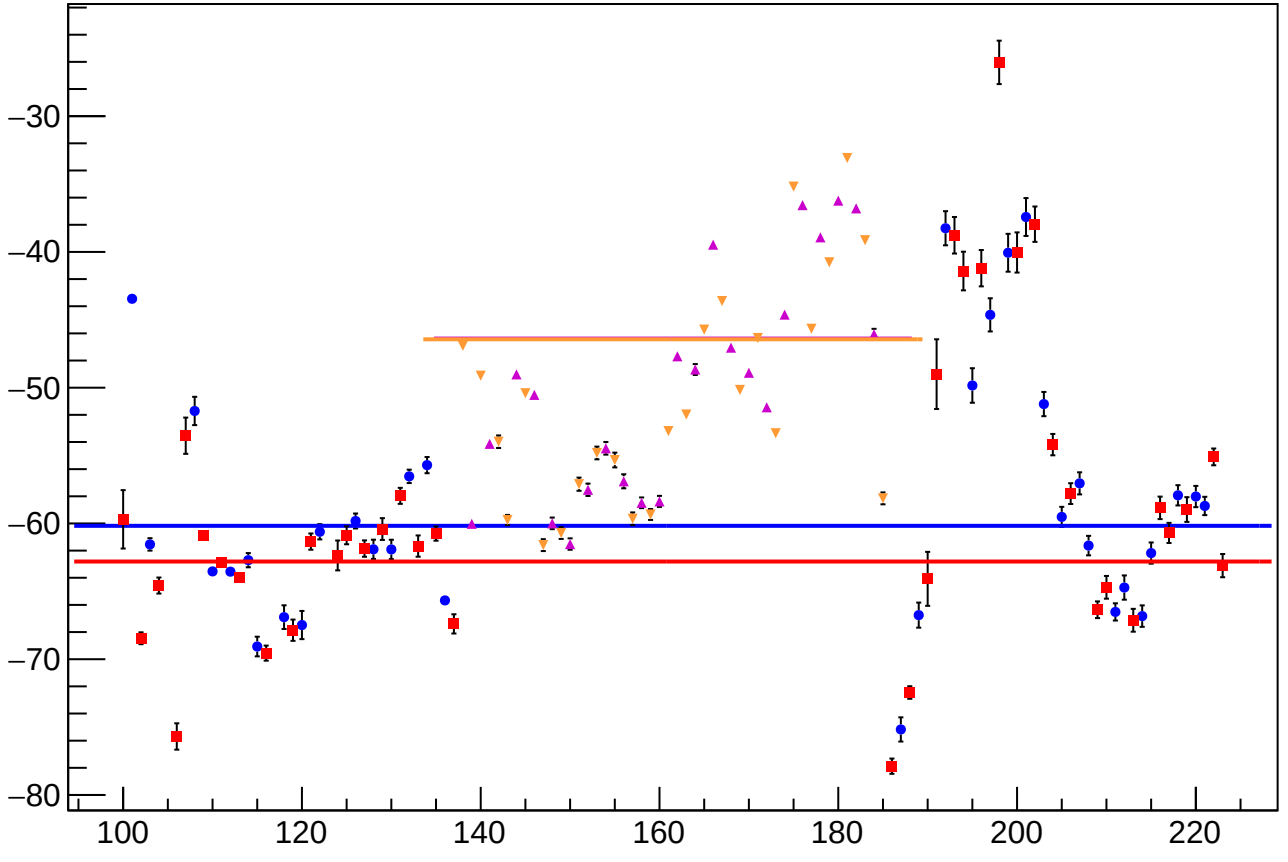
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.441+/-0.046 χ^2/NDF: 8962.7/58

All: 12.431+/-0.033 χ^2/NDF: 15404.9/120

- sign 12.421+/-0.047 χ^2/NDF: 6442.1/61

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.175+/-0.099 χ^2/NDF: 5285.5/33

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.804+/-0.093 χ^2/NDF: 4402.8/38

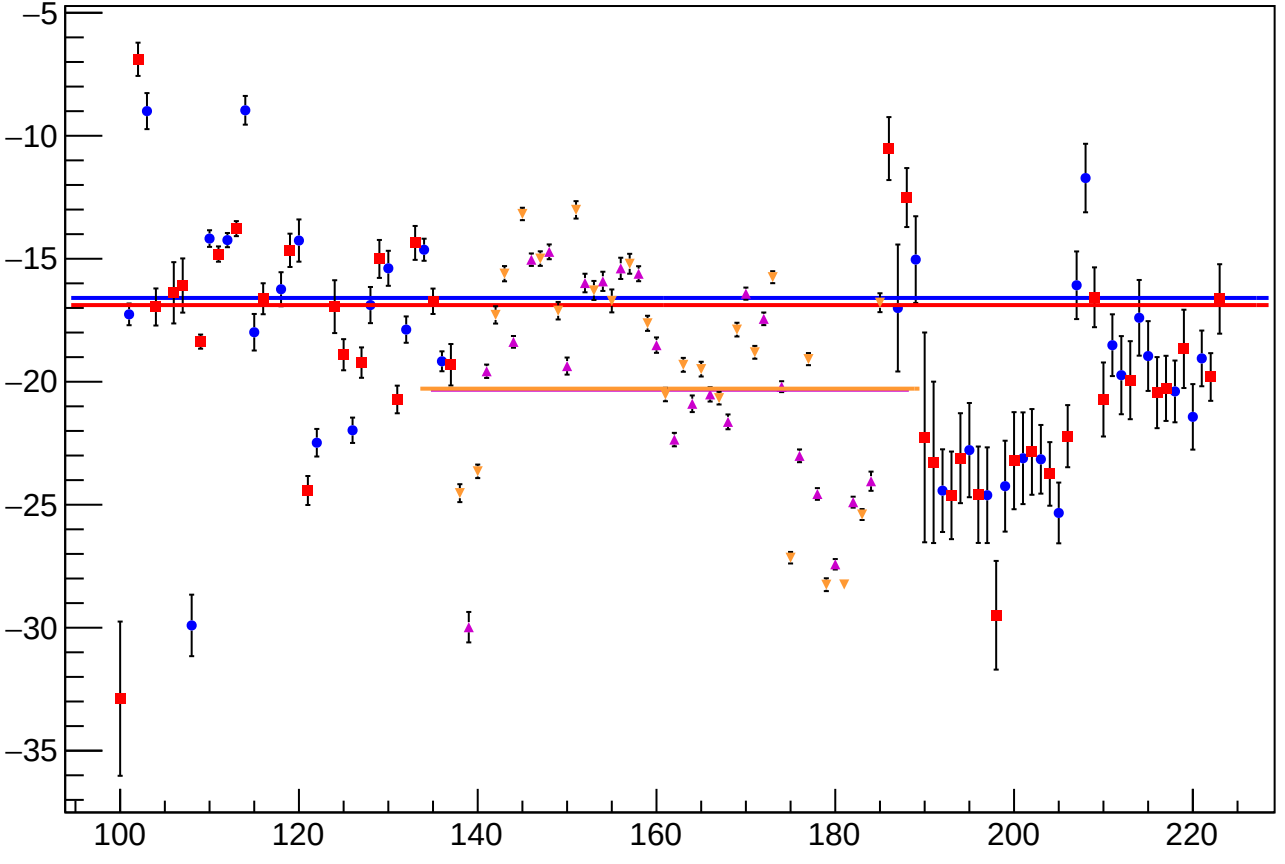
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.544+/-0.054 χ^2/NDF: 37058.4/58

All: -51.252+/-0.038 χ^2/NDF: 77443.0/120

- sign -51.968+/-0.054 χ^2/NDF: 40038.2/61

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.593+/-0.120 χ^2/NDF: 1009.6/33

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.884+/-0.117 χ^2/NDF: 916.7/38

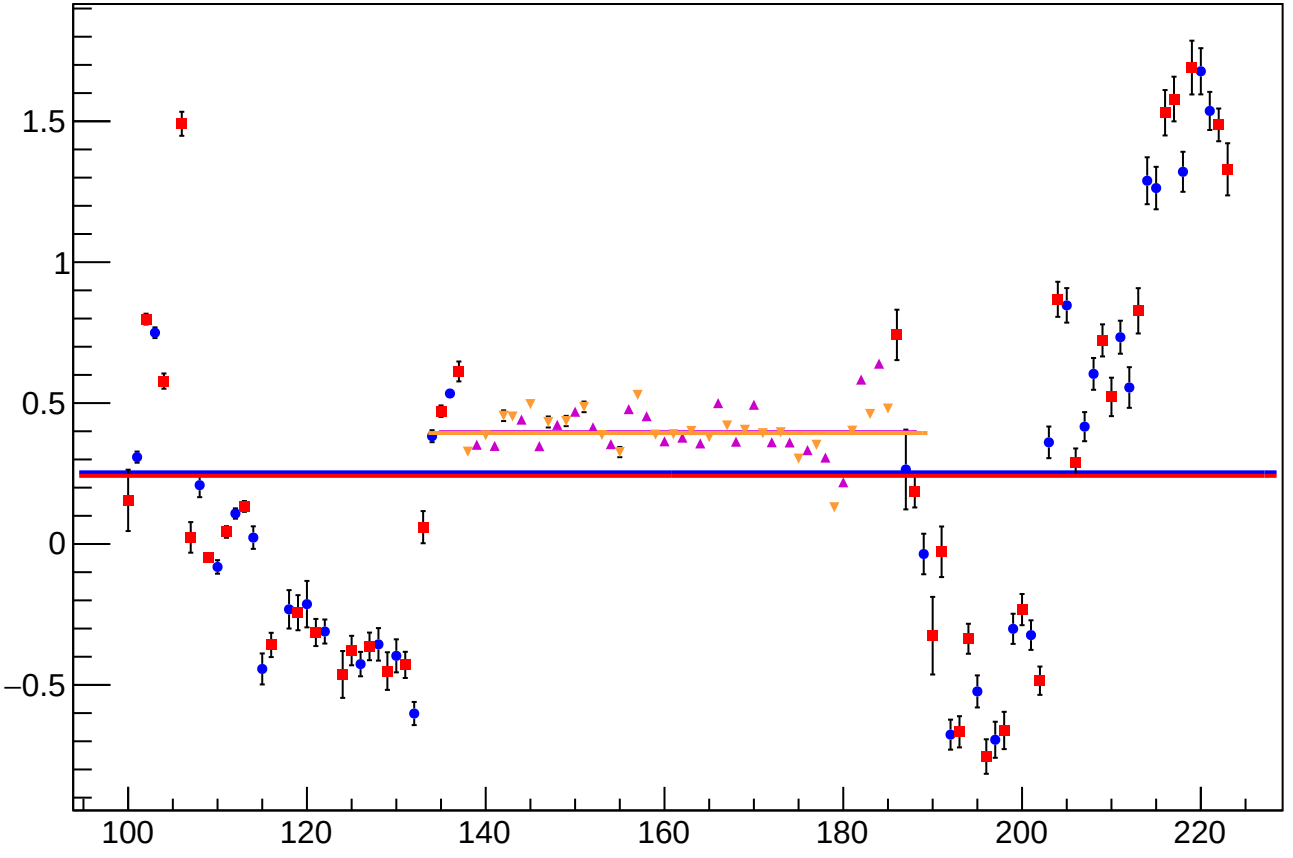
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.597+/-0.052 χ^2/NDF: 8803.7/58

All: -19.610+/-0.037 χ^2/NDF: 14683.8/120

- sign -19.624+/-0.053 χ^2/NDF: 5880.0/61

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.254+/-0.006 χ^2/NDF: 5046.4/33

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.242+/-0.006 χ^2/NDF: 6387.6/38

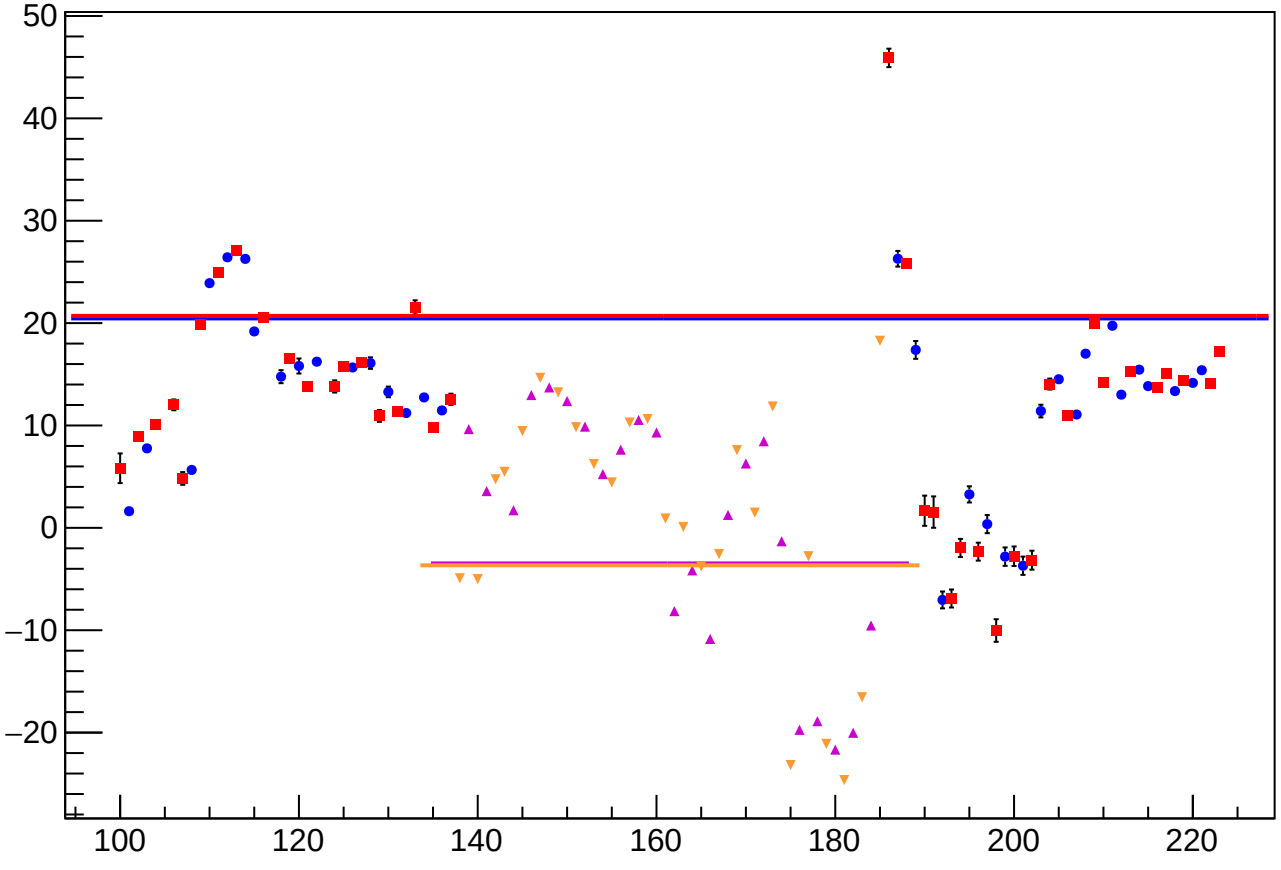
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.374+/-0.002 χ^2/NDF: 6405.0/58

All: 0.374+/-0.002 χ^2/NDF: 14592.2/120

- sign 0.374+/-0.002 χ^2/NDF: 8187.3/61

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 20.458+/-0.050 χ^2/NDF: 19940.3/33

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 20.705+/-0.042 χ^2/NDF: 19644.9/38

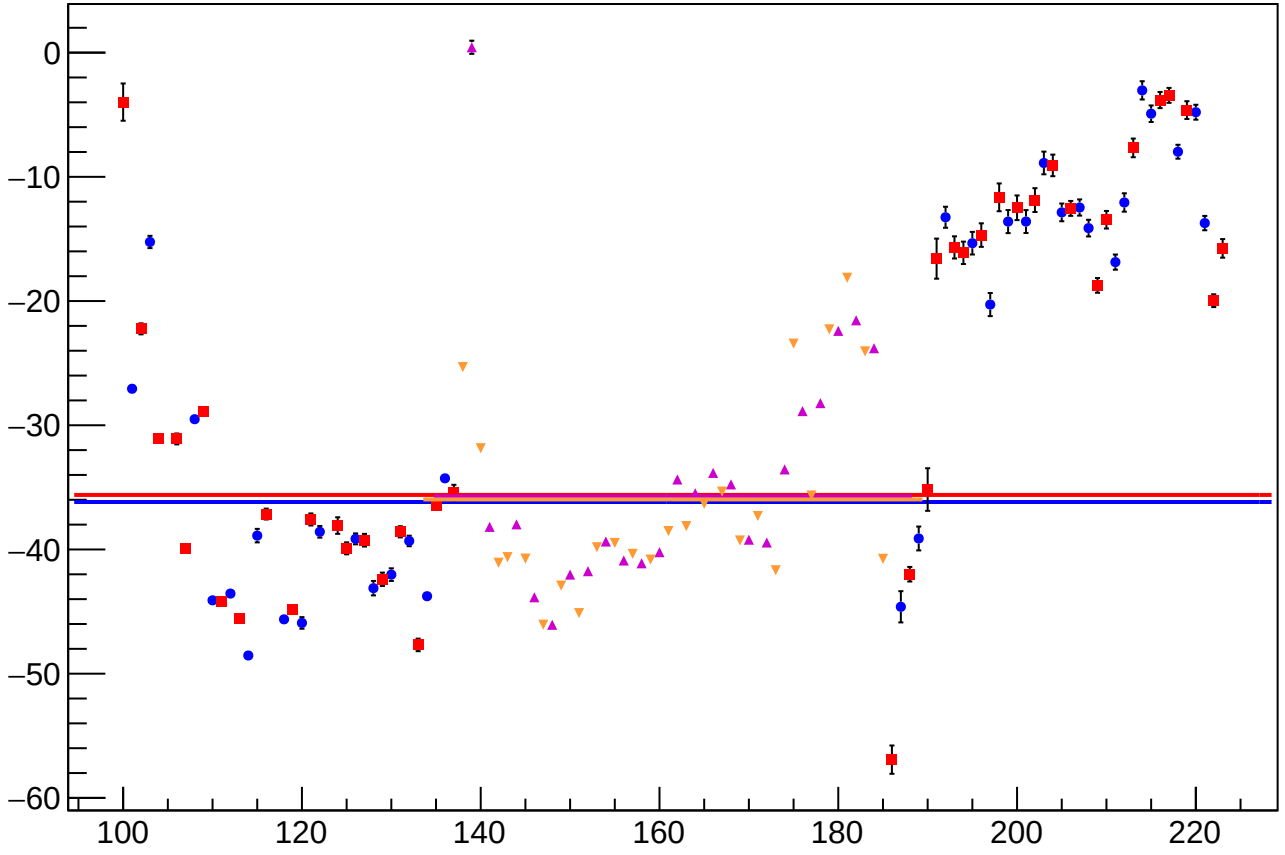
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

\+ sign 9.473+/-0.037 χ^2/NDF: 183173.8/58

All: 10.917+/-0.025 χ^2/NDF: 365471.4/120

\- sign 12.159+/-0.034 χ^2/NDF: 179433.1/61

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -36.178+/-0.070 χ^2/NDF: 31510.8/33

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -35.609+/-0.066 χ^2/NDF: 30384.3/38

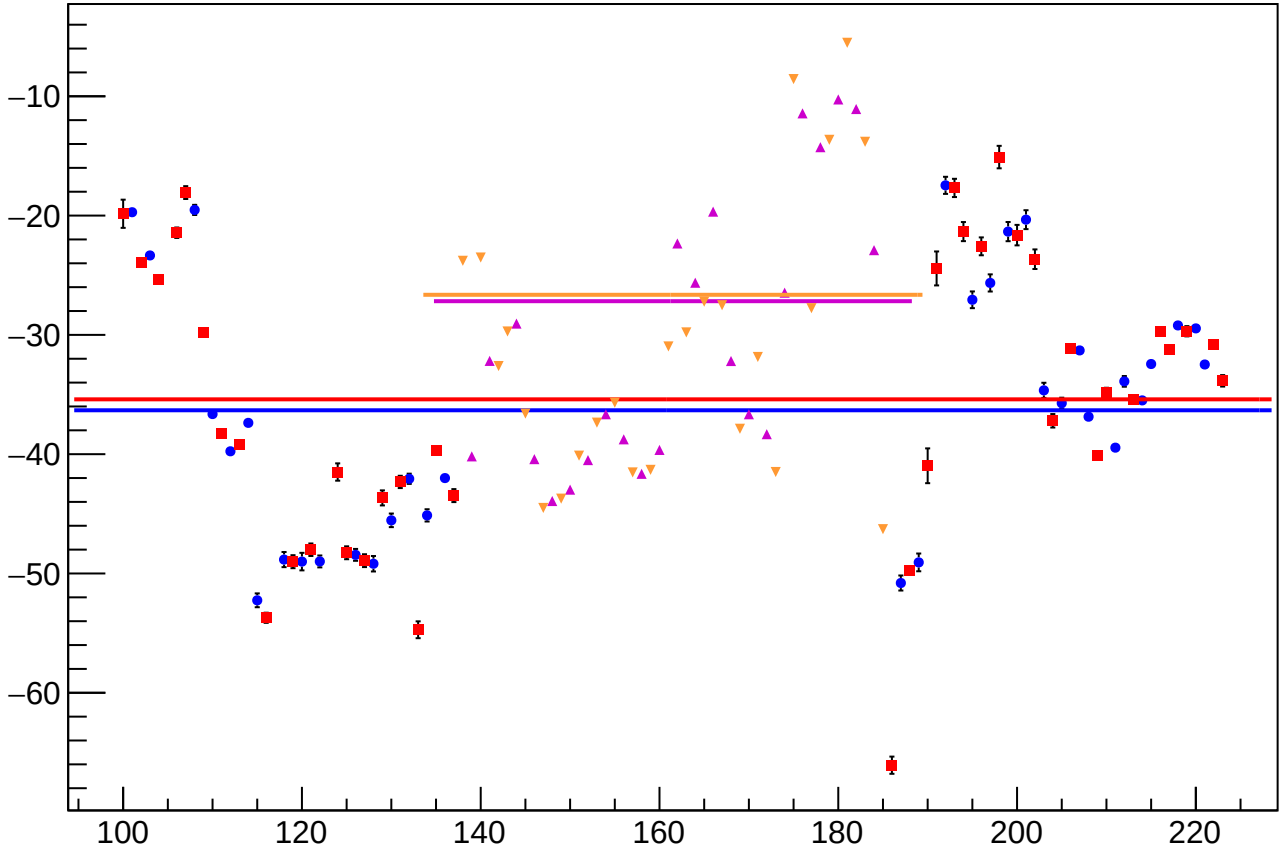
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.028+/-0.036 χ^2/NDF: 65126.4/58

All: -35.866+/-0.026 χ^2/NDF: 122709.0/120

- sign -35.696+/-0.037 χ^2/NDF: 57541.7/61

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -36.320+/-0.061 χ^2/NDF: 15109.7/33

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.403+/-0.055 χ^2/NDF: 20190.3/38

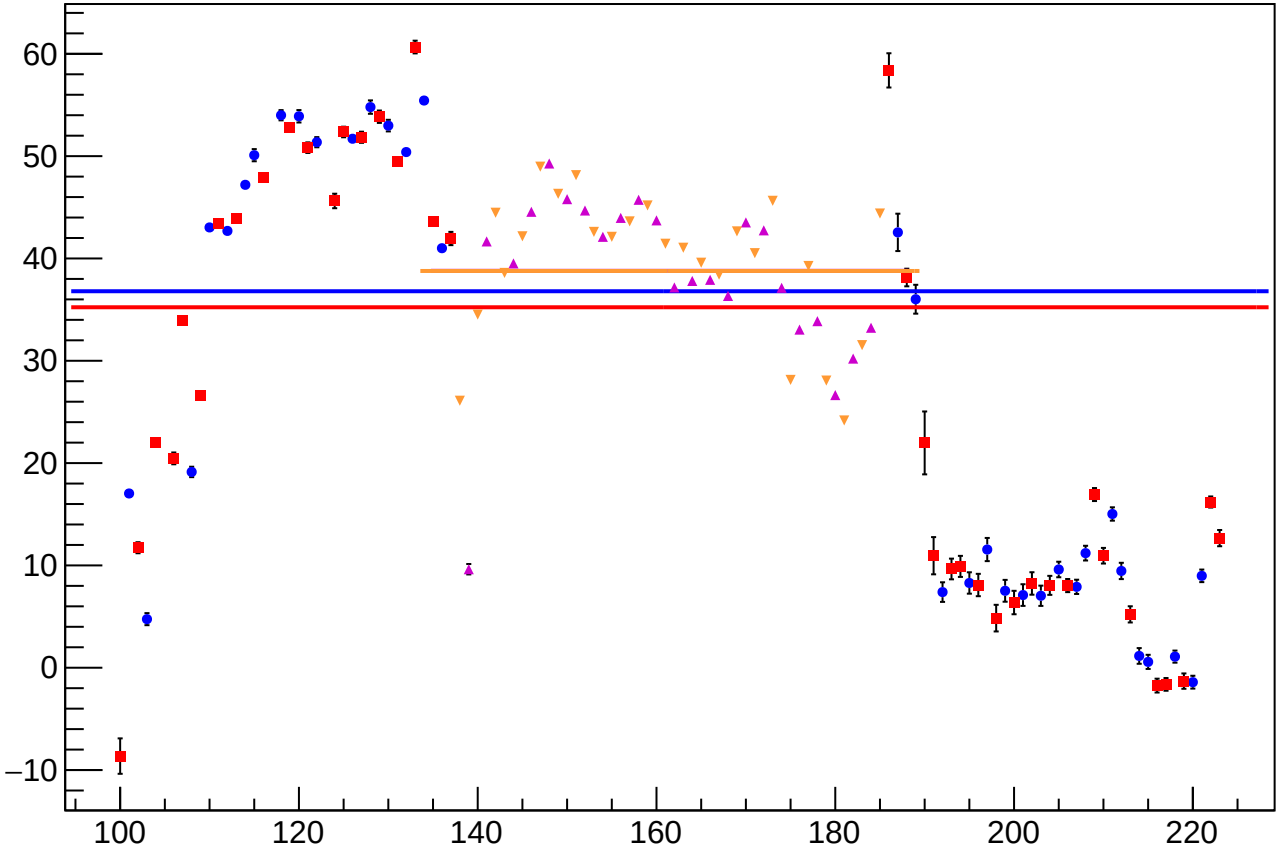
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.938+/-0.041 χ^2/NDF: 79130.6/58

All: -31.188+/-0.028 χ^2/NDF: 151062.9/120

- sign -31.427+/-0.040 χ^2/NDF: 71858.7/61

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 36.796+/-0.078 χ^2/NDF: 45116.4/33

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 35.230+/-0.072 χ^2/NDF: 41893.0/38

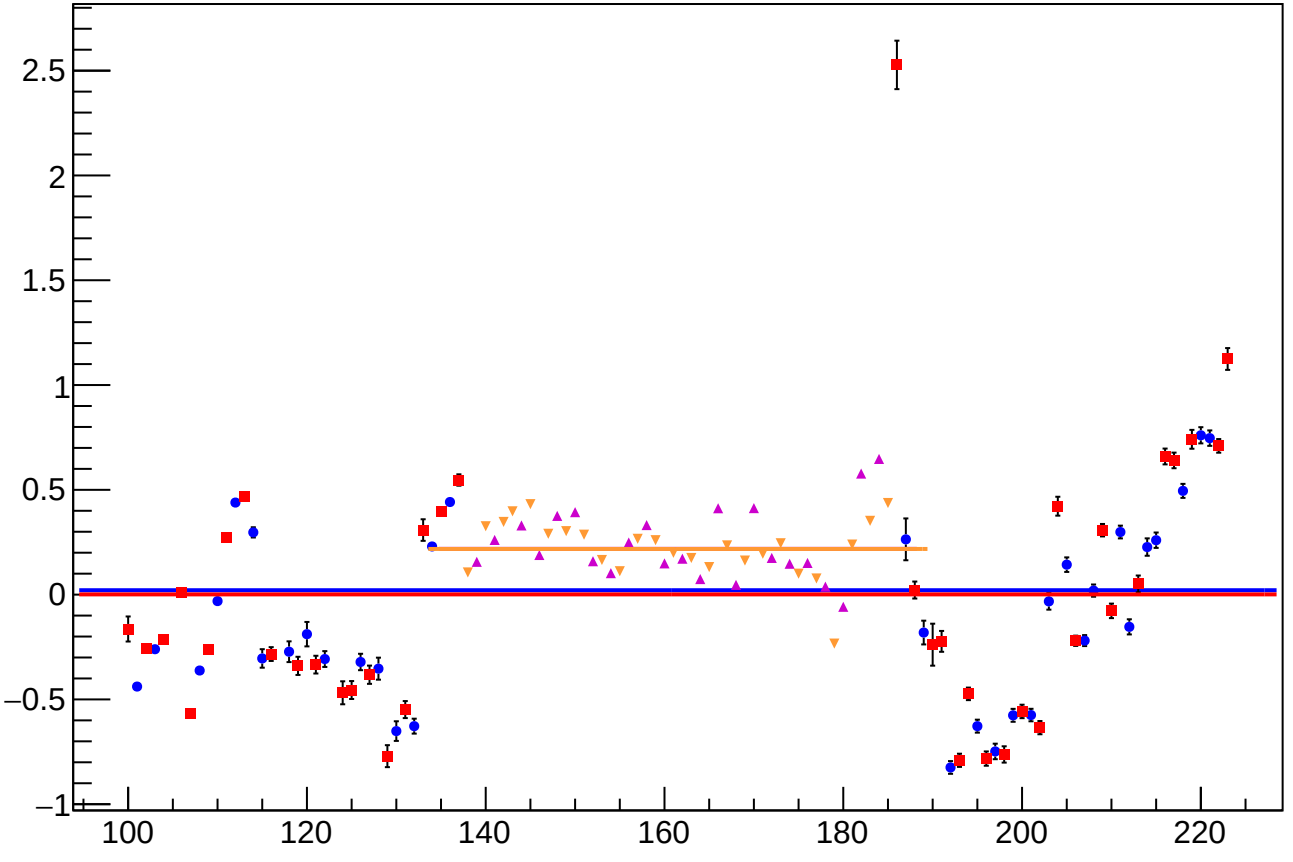
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 38.234+/-0.041 χ^2/NDF: 66660.0/58

All: 37.937+/-0.029 χ^2/NDF: 126541.0/120

- sign 37.632+/-0.041 χ^2/NDF: 59773.0/61

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.004 χ^2/NDF: 9246.3/33

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.001+/-0.004 χ^2/NDF: 11527.9/38

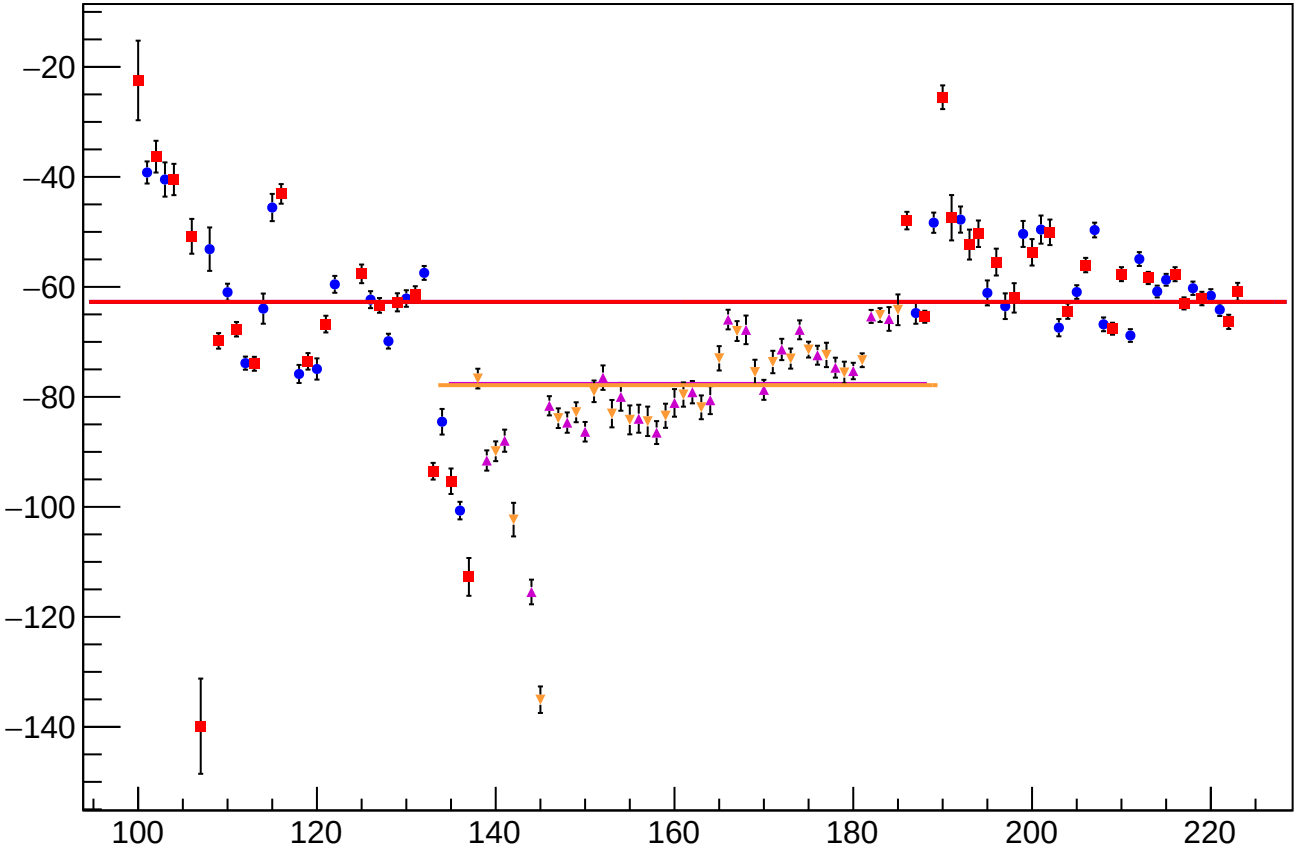
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.176+/-0.002 χ^2/NDF: 15087.5/58

All: 0.170+/-0.001 χ^2/NDF: 34312.6/120

- sign 0.164+/-0.002 χ^2/NDF: 19204.6/61

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -62.730+/-0.263 χ^2/NDF: 1499.9/33

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.728+/-0.262 χ^2/NDF: 1999.8/37

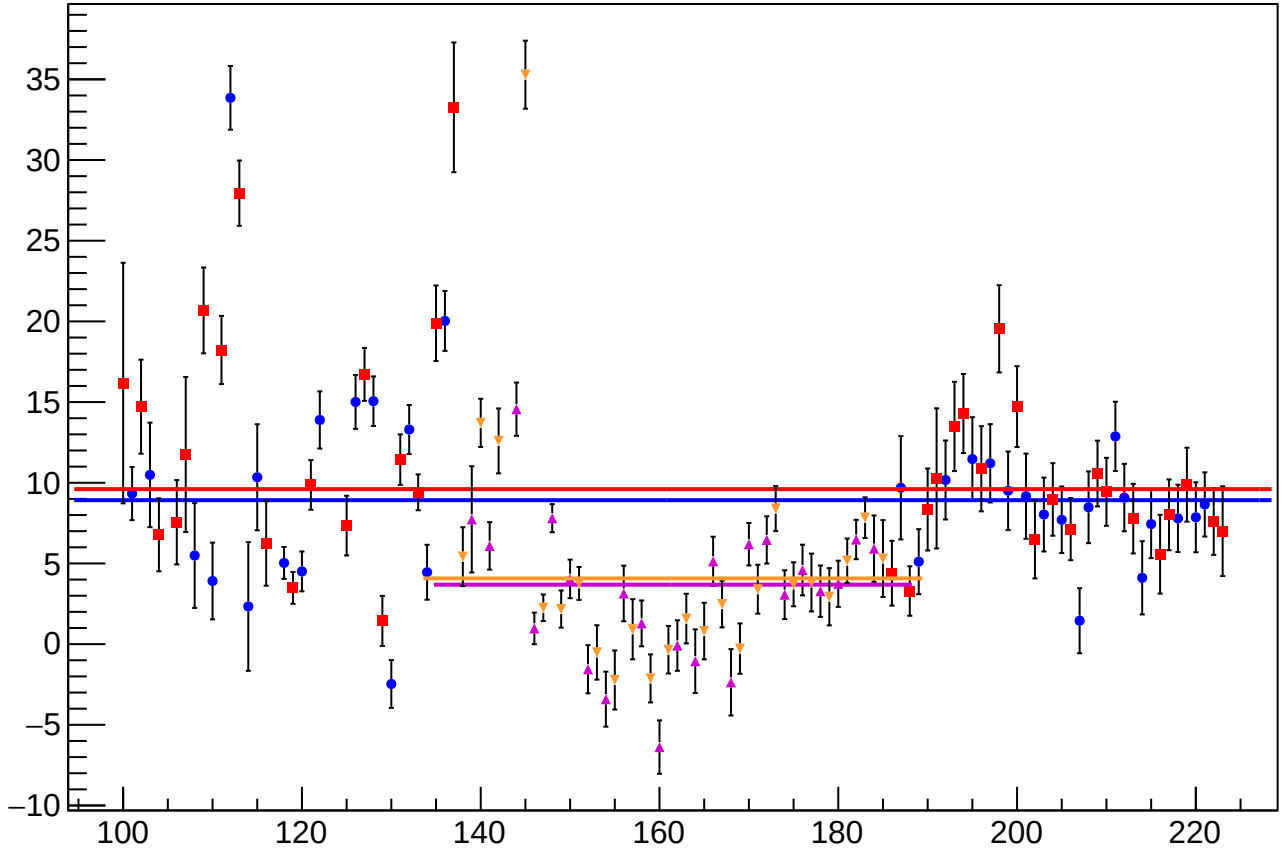
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -67.392+/-0.219 χ^2/NDF: 3453.3/57

All: -67.322+/-0.155 χ^2/NDF: 7132.7/118

- sign -67.252+/-0.218 χ^2/NDF: 3679.2/60

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 8.920+/-0.333 χ^2/NDF: 372.7/33

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.605+/-0.331 χ^2/NDF: 323.1/37

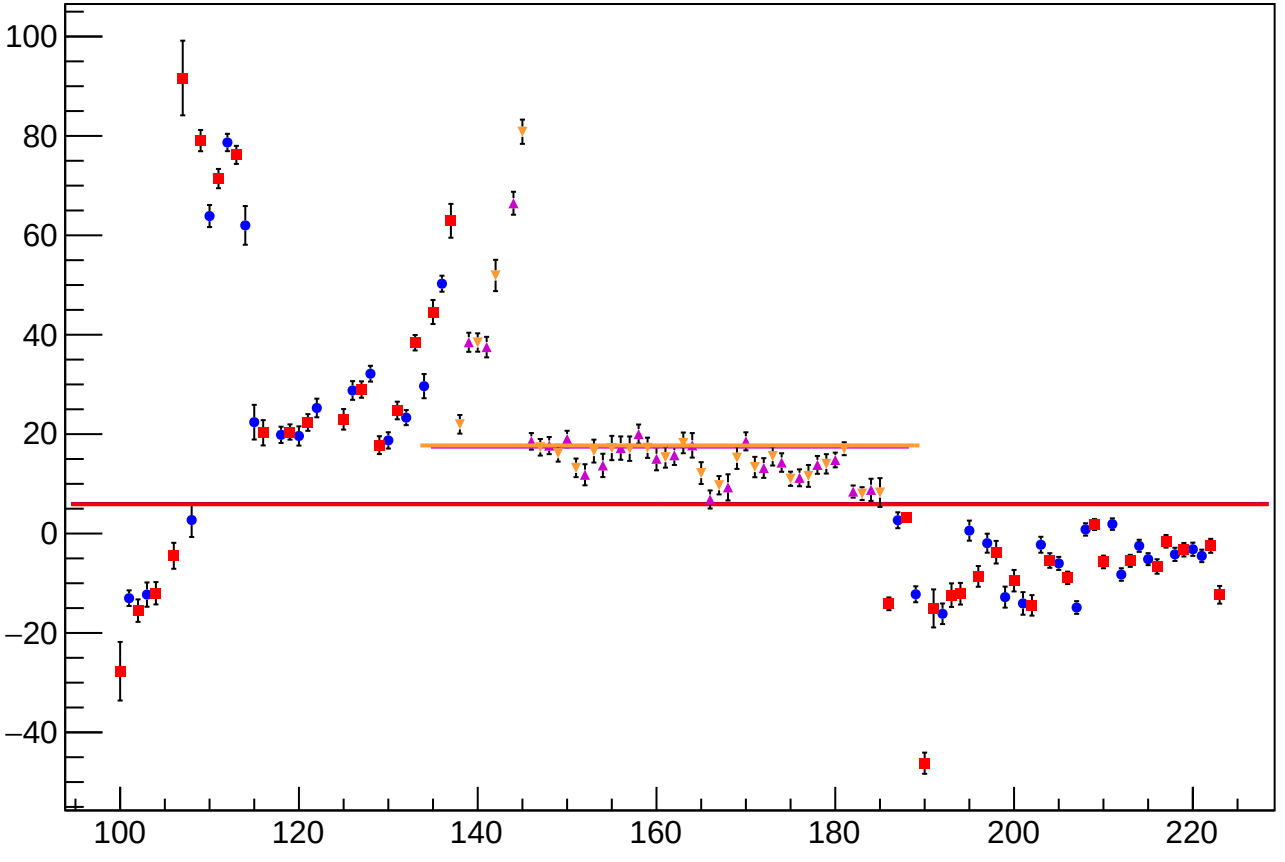
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 6.220+/-0.221 χ^2/NDF: 861.4/57

All: 6.297+/-0.157 χ^2/NDF: 1542.2/118

\- sign 6.374+/-0.223 χ^2/NDF: 680.5/60

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 5.955+/-0.278 χ^2/NDF: 5801.6/33

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 5.893+/-0.274 χ^2/NDF: 7650.2/37

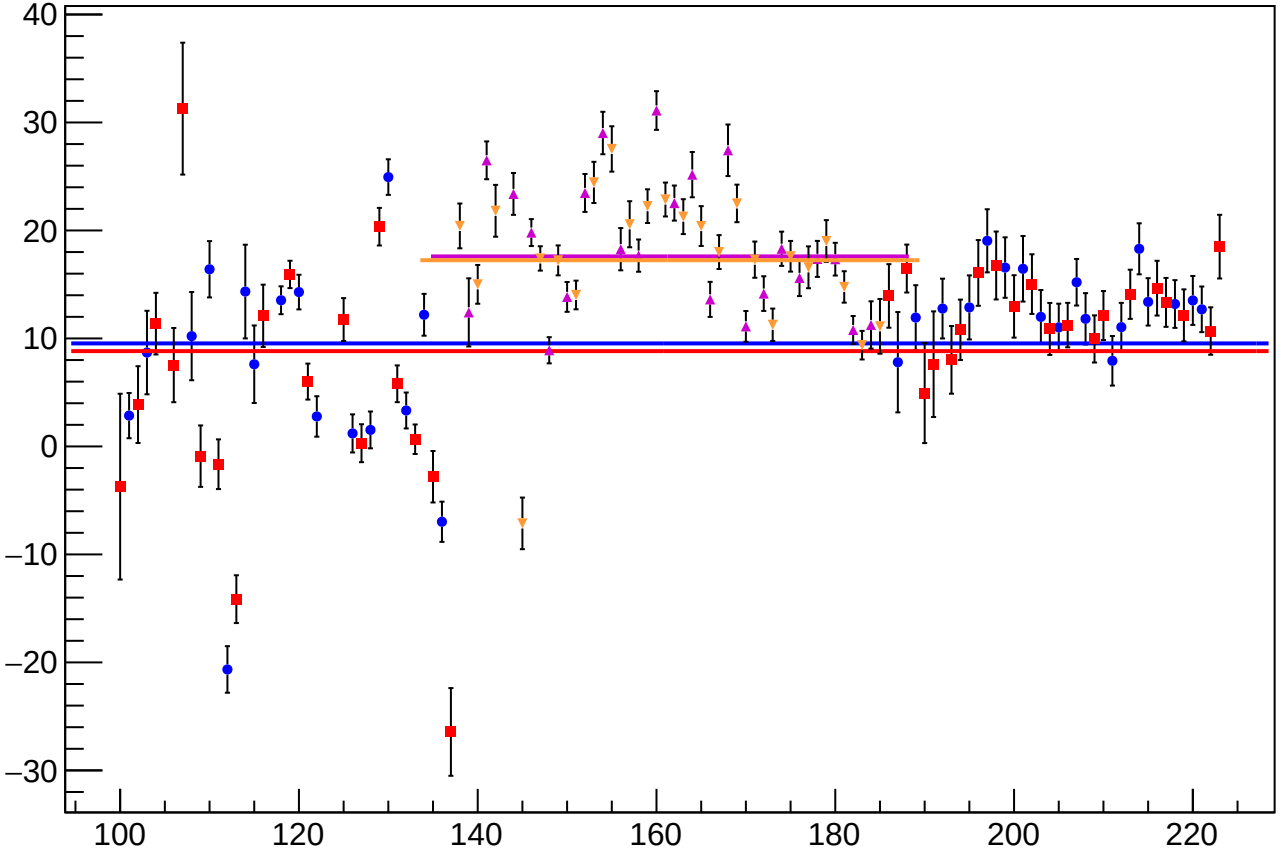
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 9.897+/-0.226 χ^2/NDF: 7462.1/57

All: 9.792+/-0.159 χ^2/NDF: 16520.1/118

- sign 9.688+/-0.225 χ^2/NDF: 9057.6/60

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.540+/-0.378 χ^2/NDF: 532.8/33

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.827+/-0.380 χ^2/NDF: 469.5/37

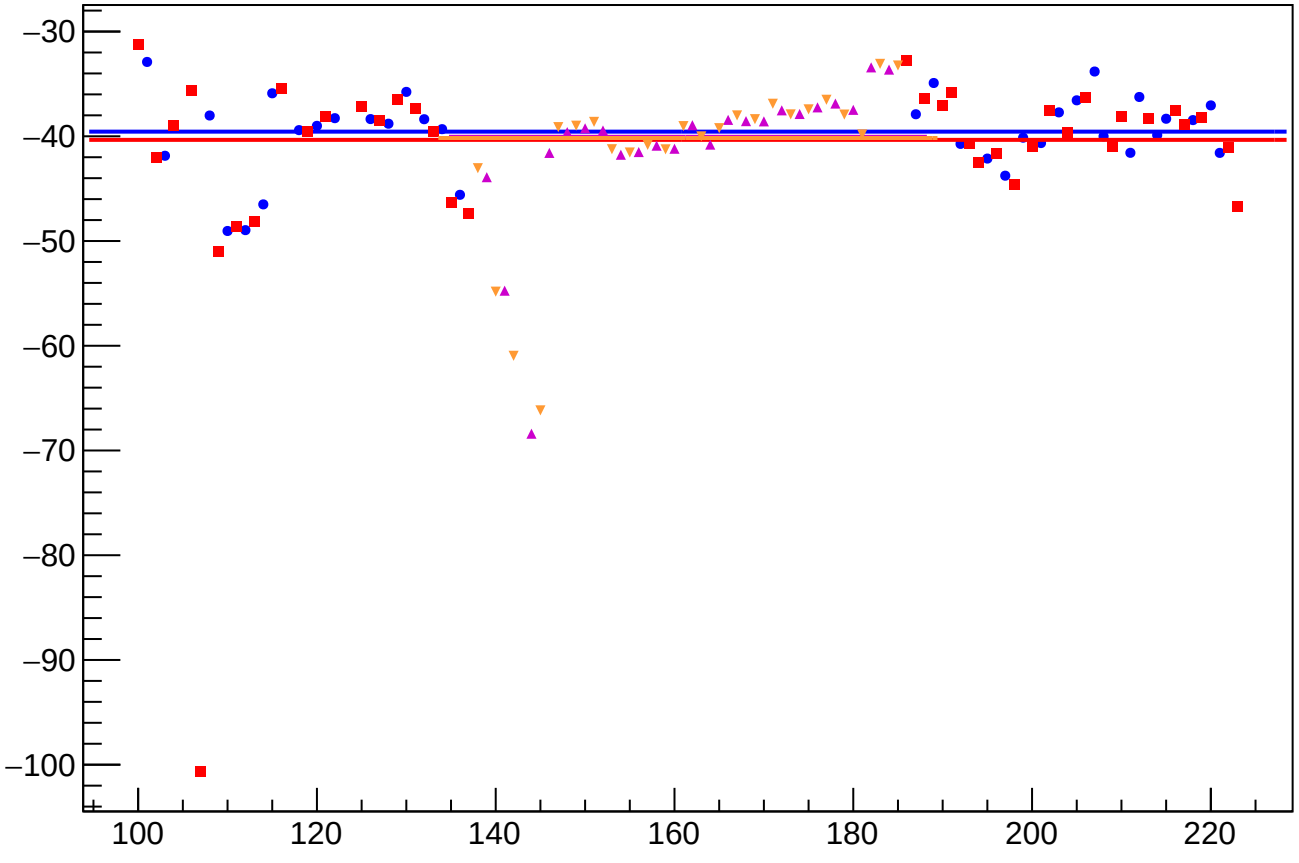
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.824+/-0.252 χ^2/NDF: 1024.2/57

All: 13.748+/-0.179 χ^2/NDF: 2097.5/118

- sign 13.671+/-0.254 χ^2/NDF: 1073.2/60

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.556+/-0.019 χ^2/NDF: 34509.7/33

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.342+/-0.019 χ^2/NDF: 75303.1/37

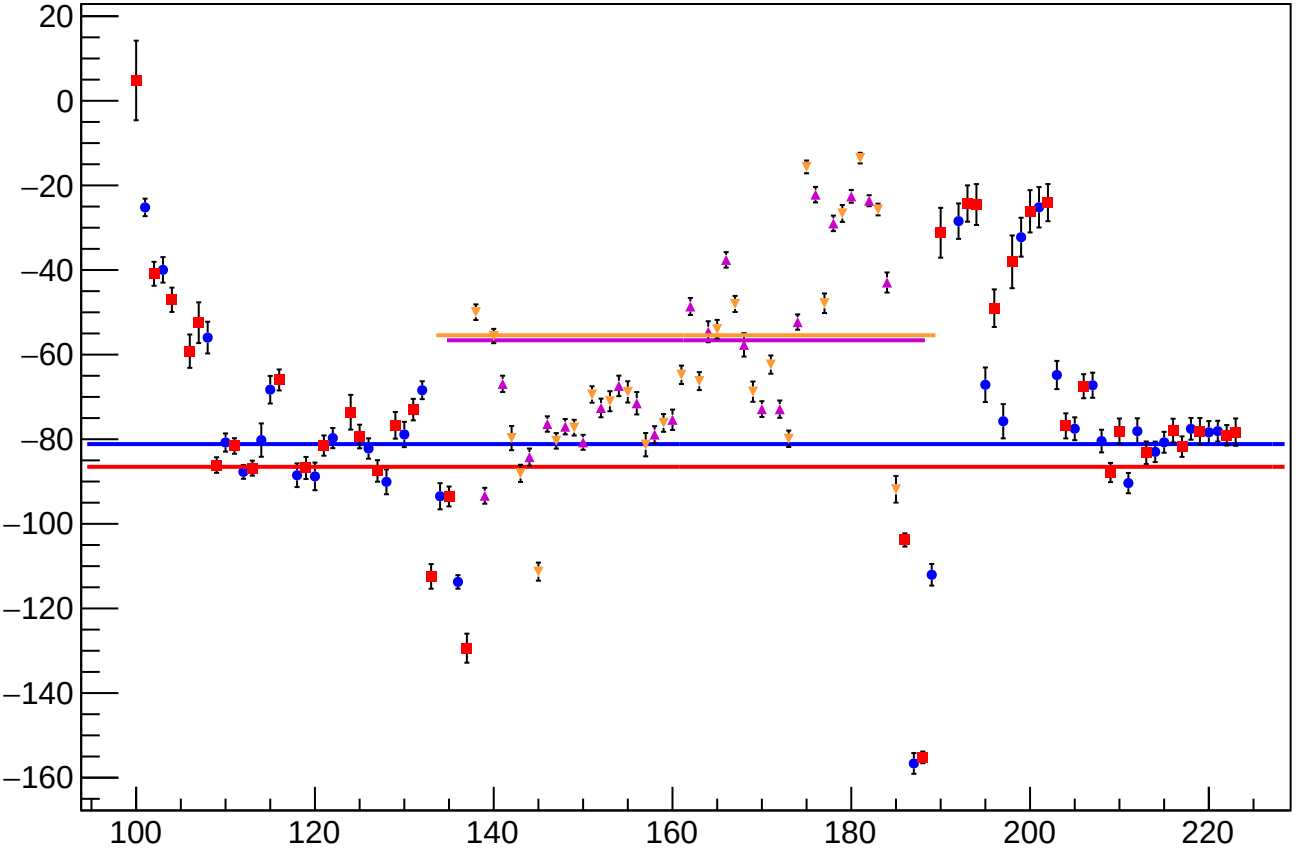
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -39.925+/-0.012 χ^2/NDF: 198456.3/57

All: -40.045+/-0.008 χ^2/NDF: 410538.7/118

- sign -40.165+/-0.012 χ^2/NDF: 211883.6/60

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.148+/-0.456 χ^2/NDF: 3067.4/33

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -86.520+/-0.433 χ^2/NDF: 4657.7/37

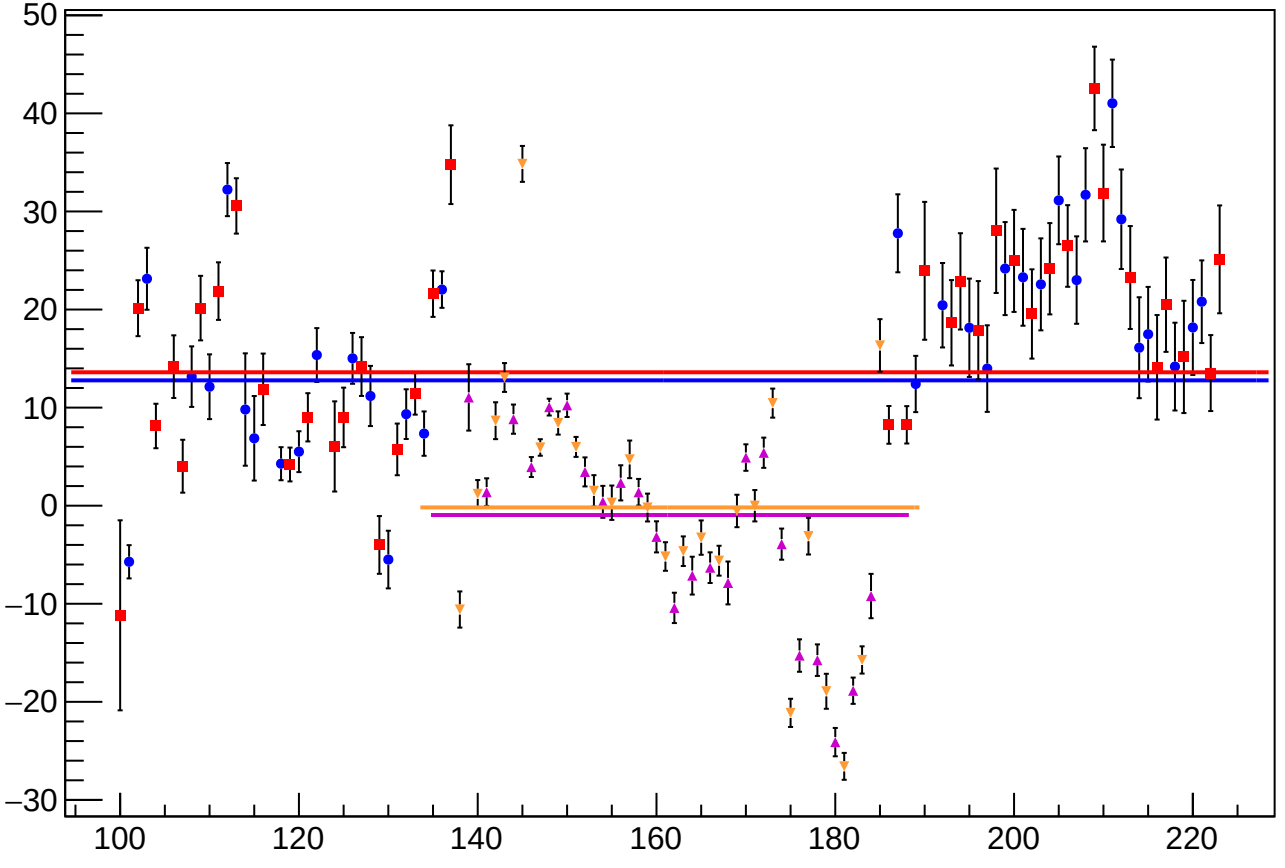
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -66.410+/-0.298 χ^2/NDF: 9419.8/58

All: -68.477+/-0.210 χ^2/NDF: 20074.5/119

- sign -70.512+/-0.295 χ^2/NDF: 10559.1/60

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.778+/-0.533 χ^2/NDF: 422.4/33

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.601+/-0.518 χ^2/NDF: 321.5/37

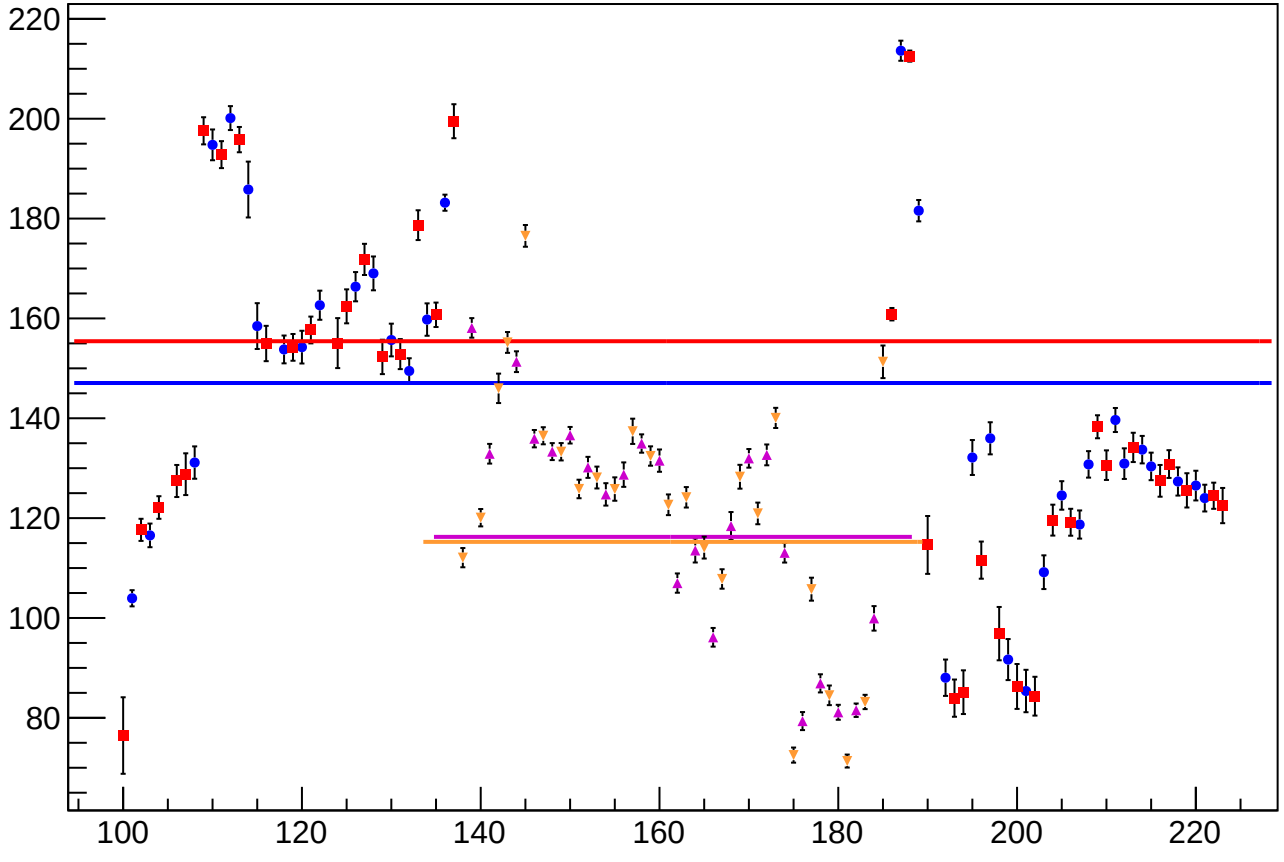
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 2.842+/-0.258 χ^2/NDF: 2473.5/58

All: 2.808+/-0.184 χ^2/NDF: 4451.1/119

\- sign 2.773+/-0.262 χ^2/NDF: 1977.5/60

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 147.063+/-0.471 χ^2/NDF: 4963.9/33

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 155.433+/-0.440 χ^2/NDF: 6805.3/37

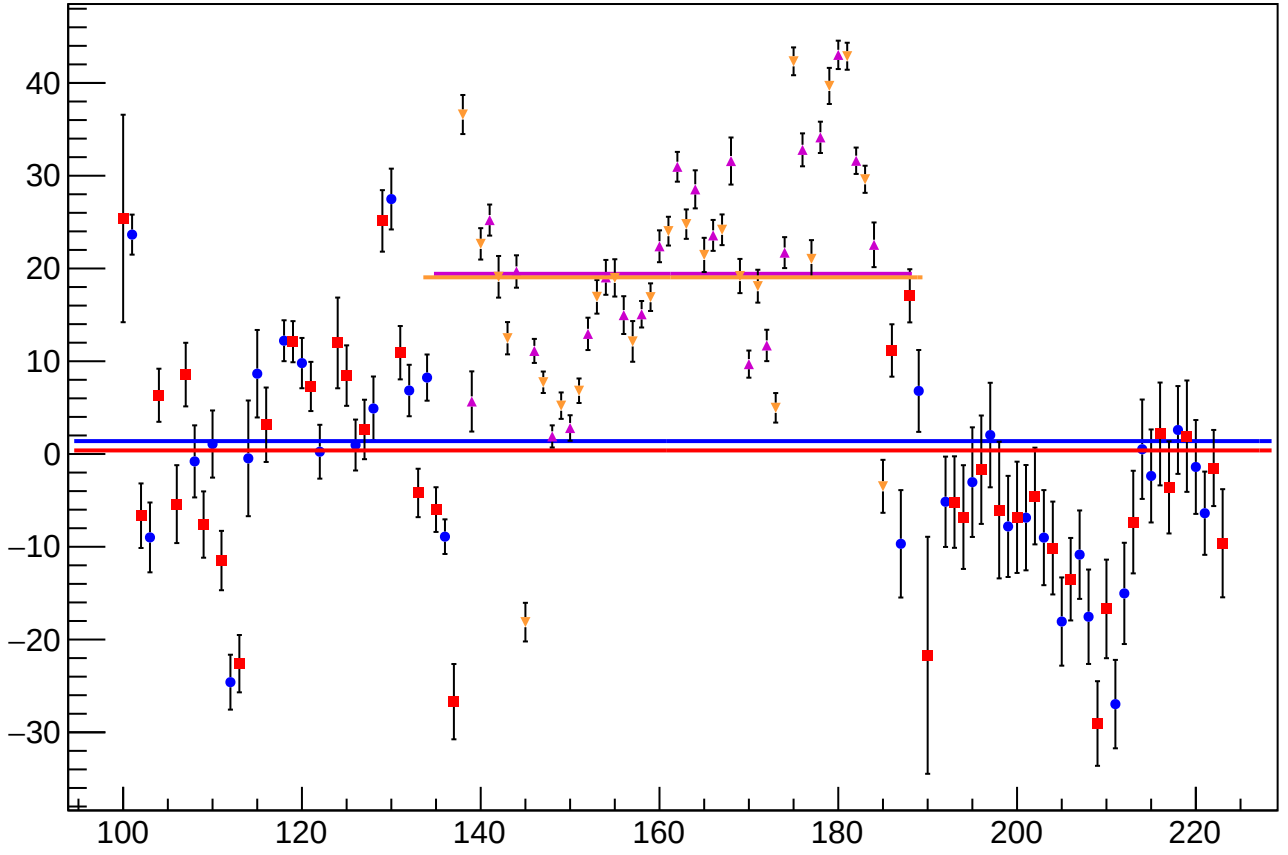
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.212+/-0.300 χ^2/NDF: 12508.9/58

All: 131.133+/-0.211 χ^2/NDF: 27493.8/119

- sign 133.959+/-0.295 χ^2/NDF: 14798.9/60

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.392+/-0.613 χ^2/NDF: 436.3/33

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.385+/-0.608 χ^2/NDF: 395.9/37

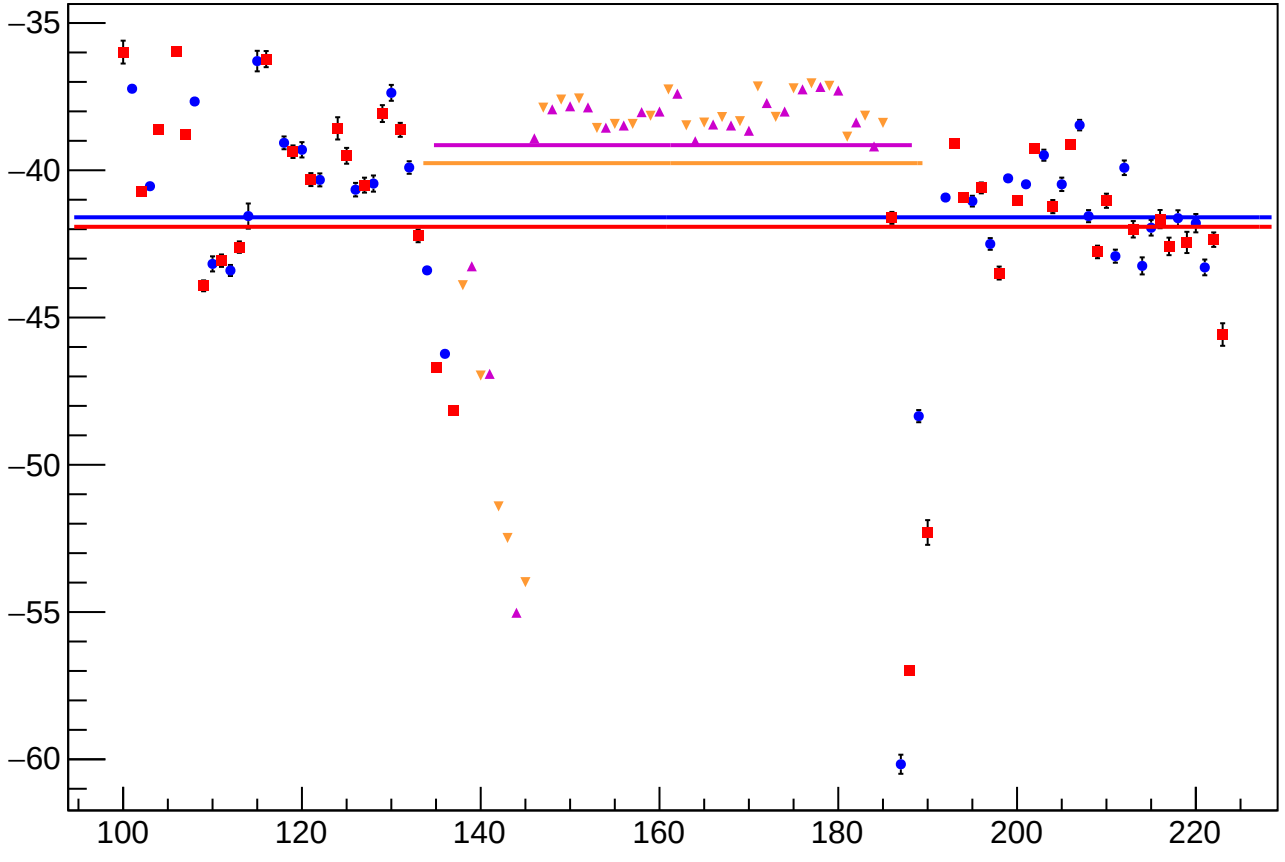
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 14.966+/-0.295 χ^2/NDF: 2619.6/58

All: 14.873+/-0.210 χ^2/NDF: 4833.6/119

- sign 14.776+/-0.301 χ^2/NDF: 2213.8/60

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.596+/-0.030 χ^2/NDF: 13049.0/33

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.919+/-0.030 χ^2/NDF: 19866.5/37

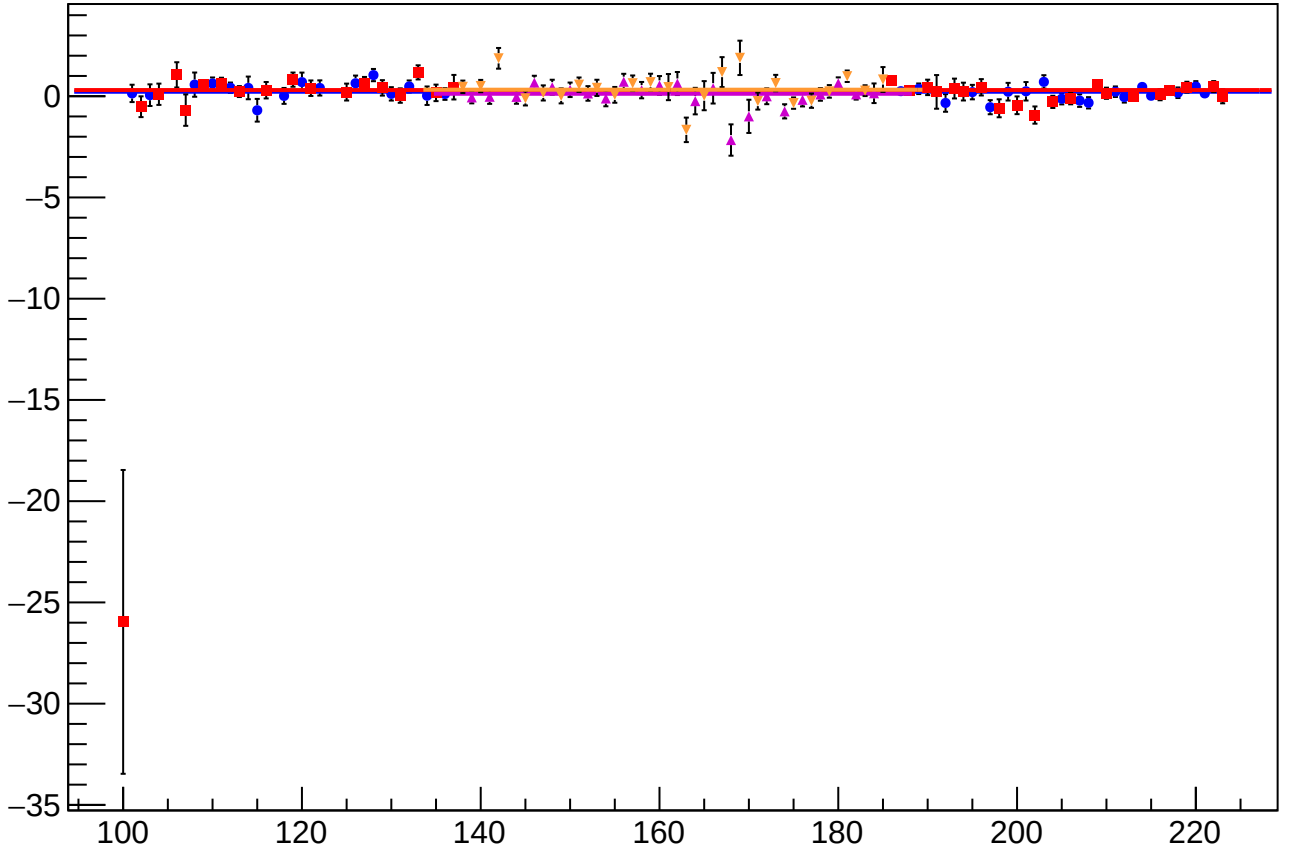
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.140+/-0.014 χ^2/NDF: 97862.6/58

All: -39.935+/-0.010 χ^2/NDF: 171670.2/119

- sign -39.726+/-0.014 χ^2/NDF: 73357.5/60

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.221+/-0.054 χ^2/NDF: 37.2/33

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.304+/-0.050 χ^2/NDF: 65.8/37

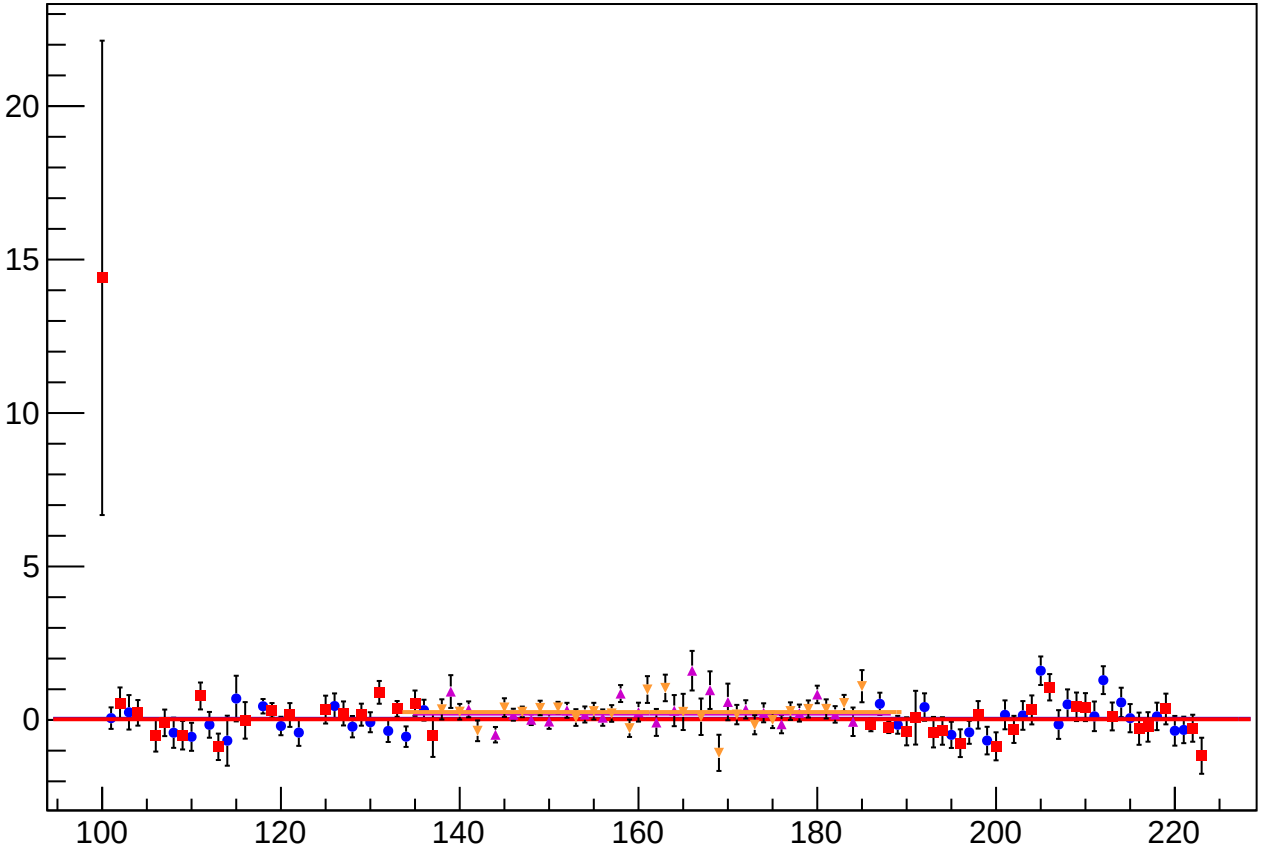
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

\+ sign 0.253+/-0.045 χ^2/NDF: 85.2/57

All: 0.252+/-0.031 χ^2/NDF: 184.7/118

\- sign 0.251+/-0.043 χ^2/NDF: 99.5/60

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.037+/-0.069 χ^2/NDF: 47.1/33

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.023+/-0.064 χ^2/NDF: 52.2/37

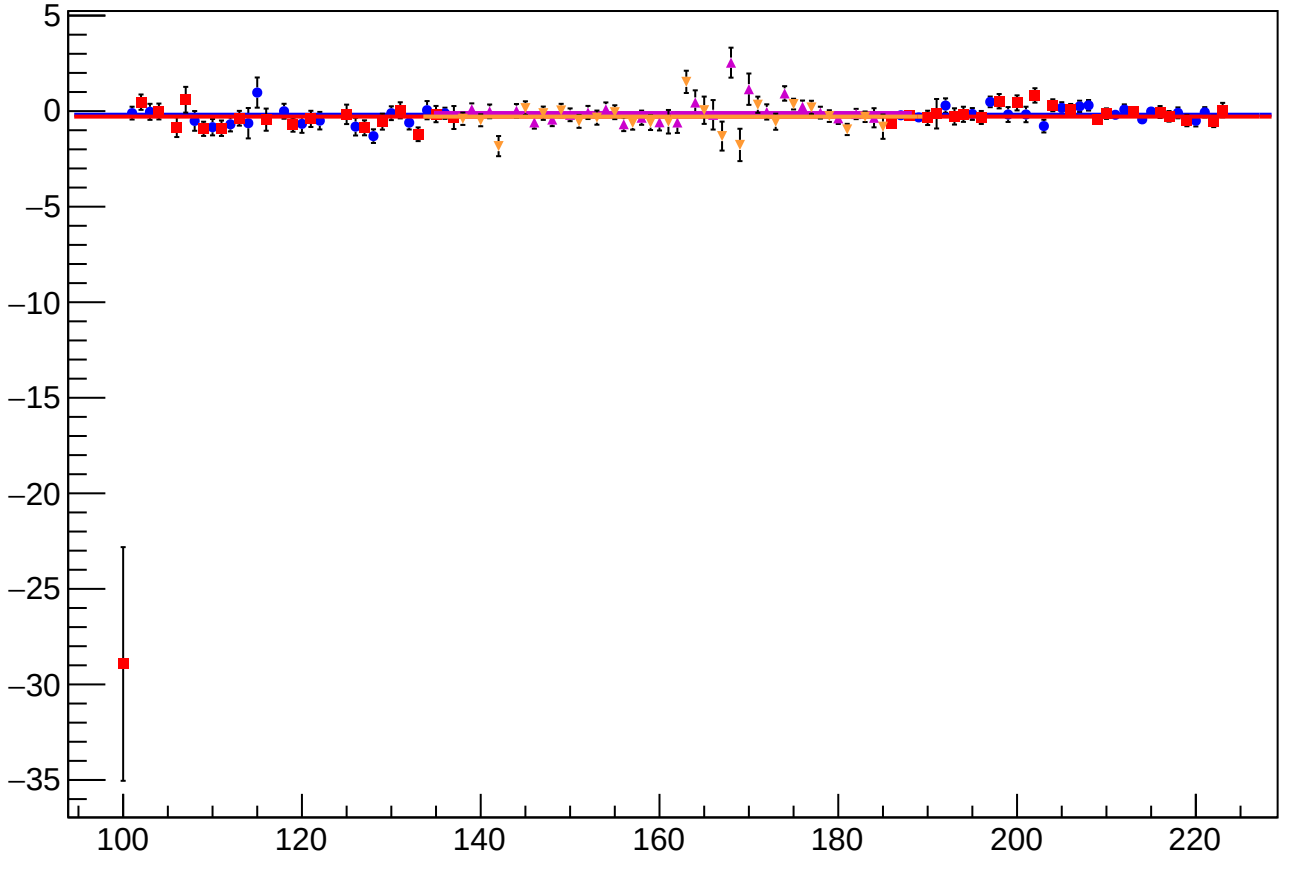
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.163+/-0.045 χ^2/NDF: 79.4/57

All: 0.142+/-0.031 χ^2/NDF: 168.3/118

- sign 0.121+/-0.044 χ^2/NDF: 88.5/60

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.188+/-0.055 χ^2/NDF: 43.8/33

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.287+/-0.049 χ^2/NDF: 79.4/37

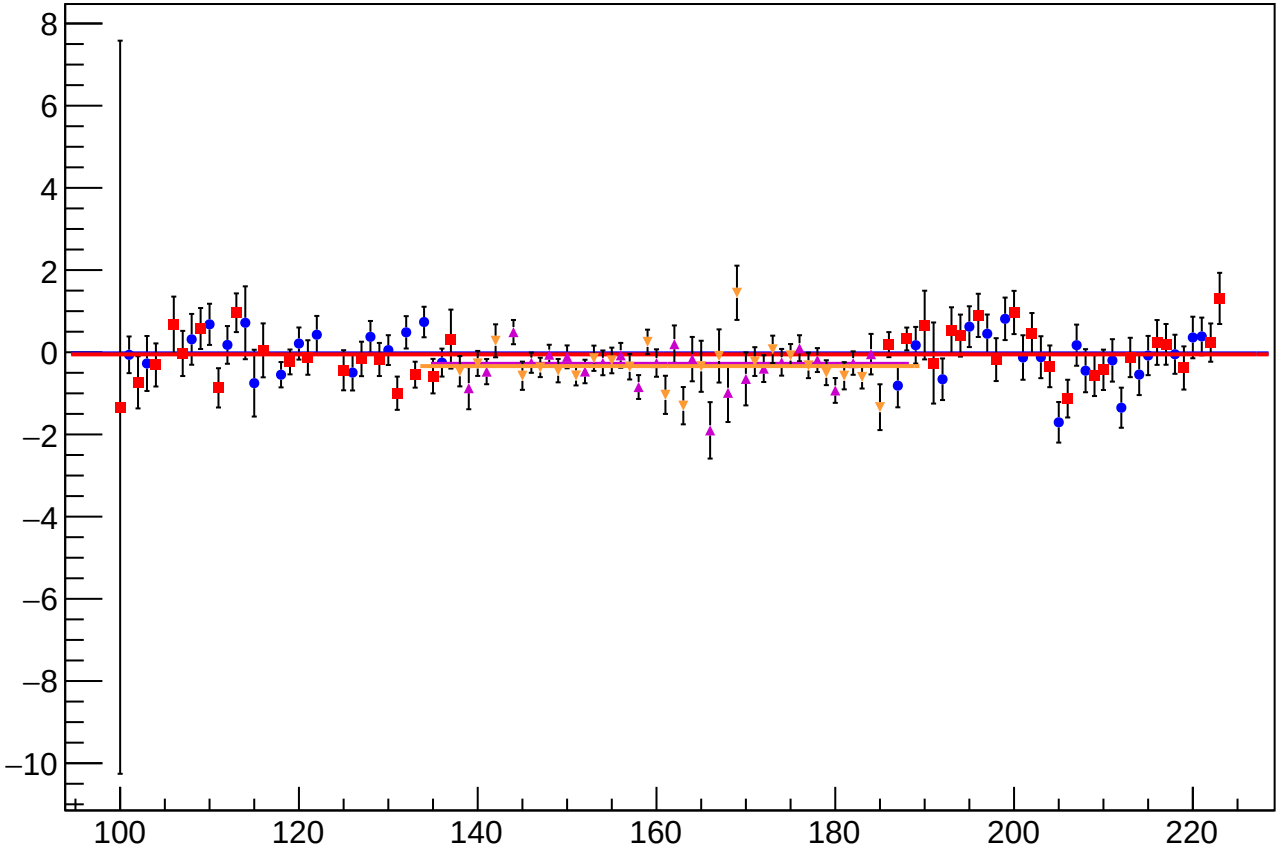
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.221+/-0.045 χ^2/NDF: 89.9/57

All: -0.228+/-0.031 χ^2/NDF: 206.7/118

- sign -0.234+/-0.042 χ^2/NDF: 116.7/60

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.027+/-0.079 χ^2/NDF: 48.7/33

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.052+/-0.077 χ^2/NDF: 49.3/37

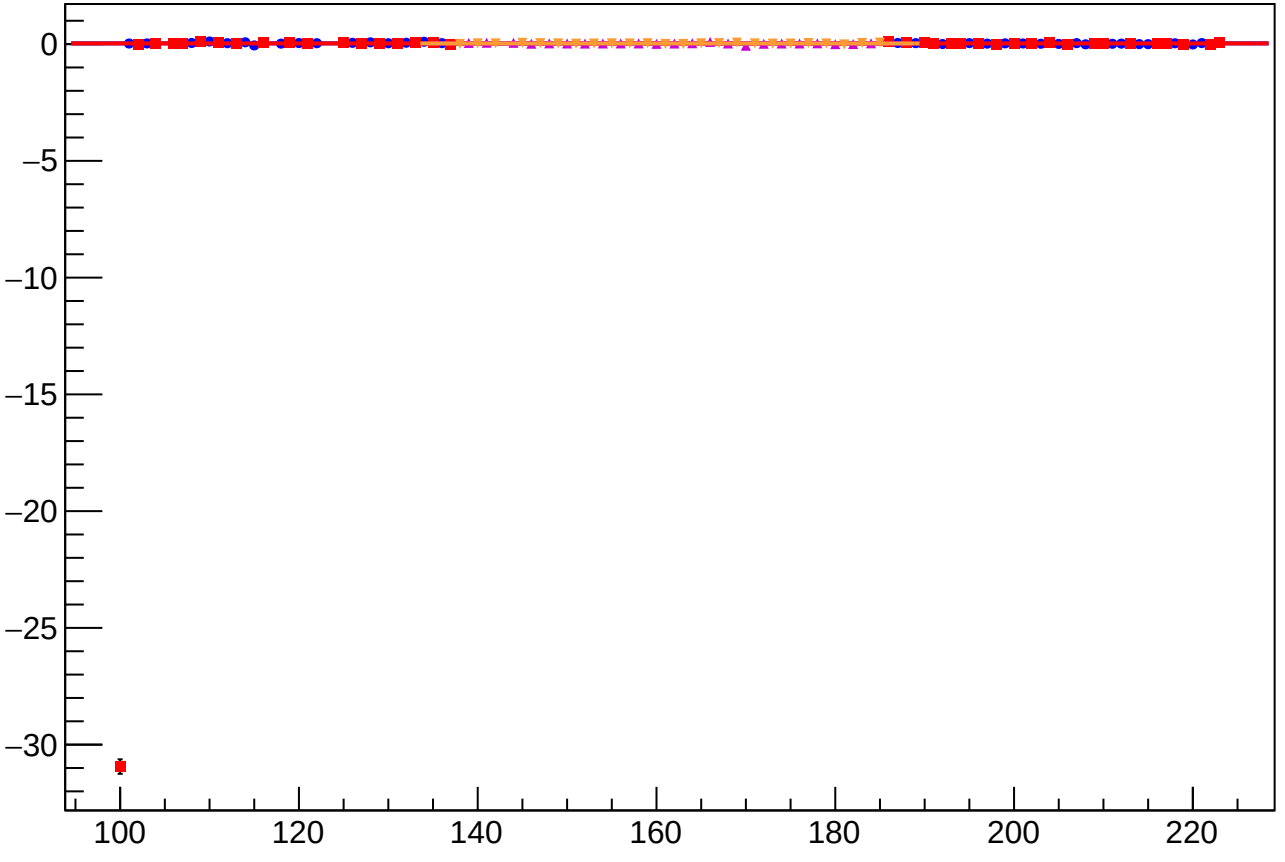
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.206+/-0.052 χ^2/NDF: 87.6/57

All: -0.192+/-0.036 χ^2/NDF: 171.1/118

- sign -0.179+/-0.051 χ^2/NDF: 83.3/60

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.032+/-0.004 χ^2/NDF: 43.2/33

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.029+/-0.004 χ^2/NDF: 10062.6/37

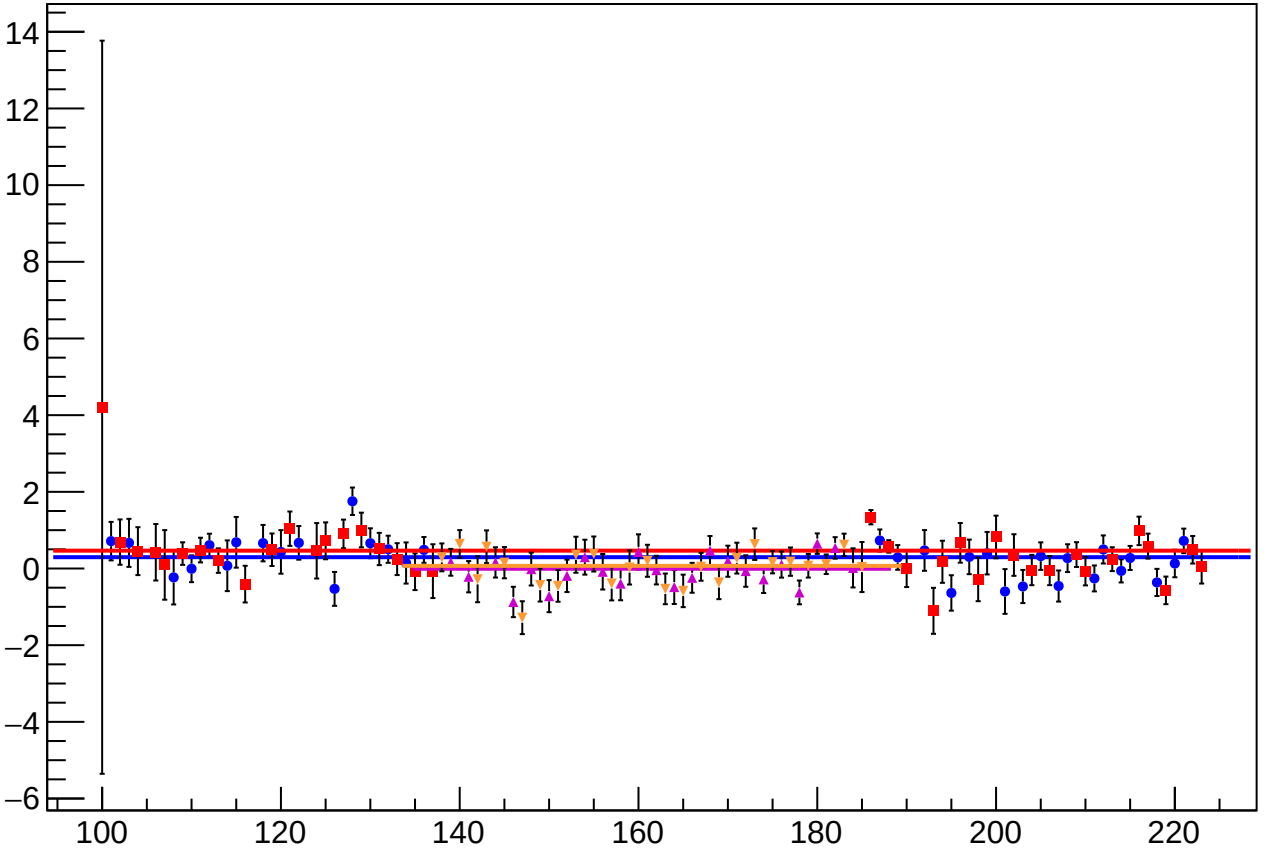
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.030+/-0.002 χ^2/NDF: 71.5/57

All: 0.029+/-0.002 χ^2/NDF: 10173.0/118

- sign 0.029+/-0.002 χ^2/NDF: 10101.5/60

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.295+/-0.068 χ^2/NDF: 52.3/33

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.466+/-0.062 χ^2/NDF: 61.7/37

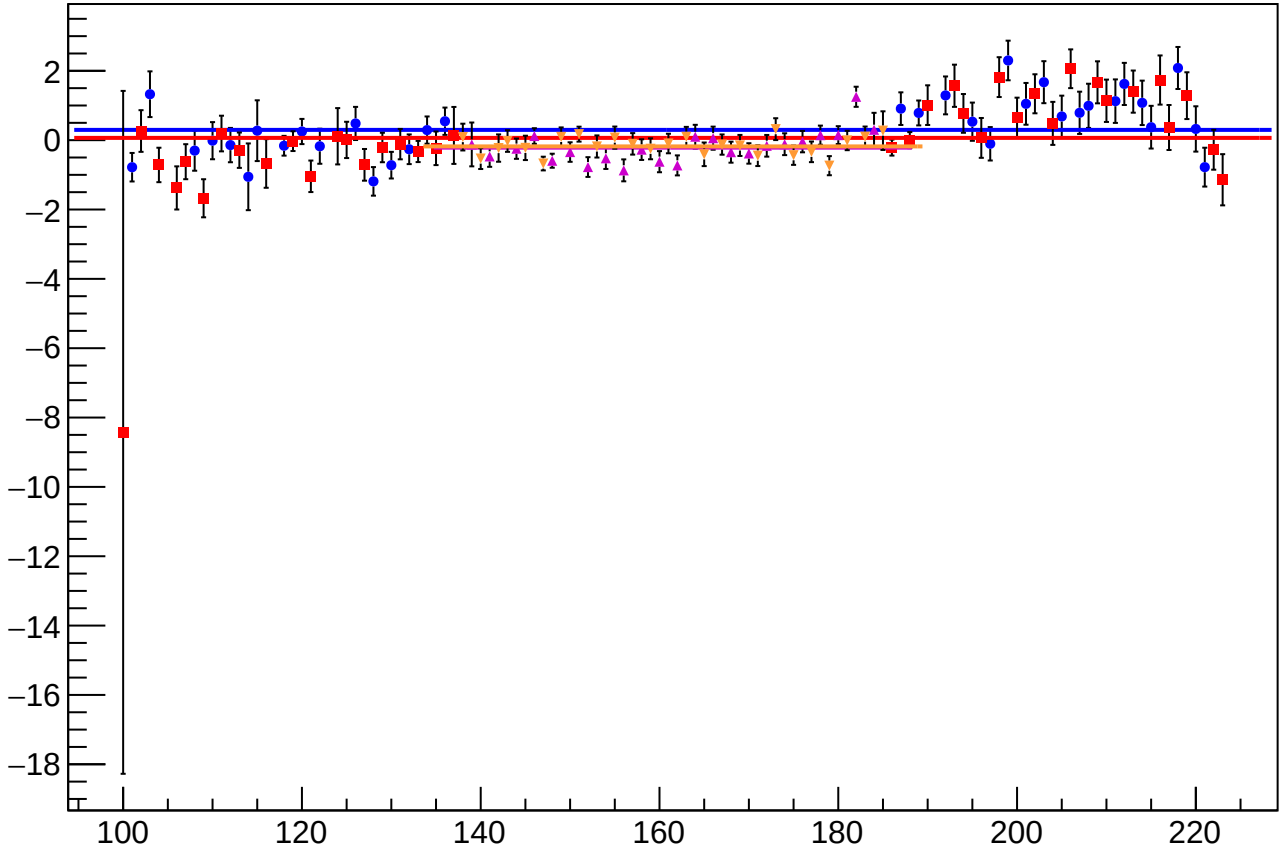
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.196+/-0.051 χ^2/NDF: 88.3/58

All: 0.243+/-0.035 χ^2/NDF: 202.0/119

- sign 0.287+/-0.049 χ^2/NDF: 112.1/60

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.297+/-0.085 χ^2/NDF: 88.5/33

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.066+/-0.078 χ^2/NDF: 101.4/37

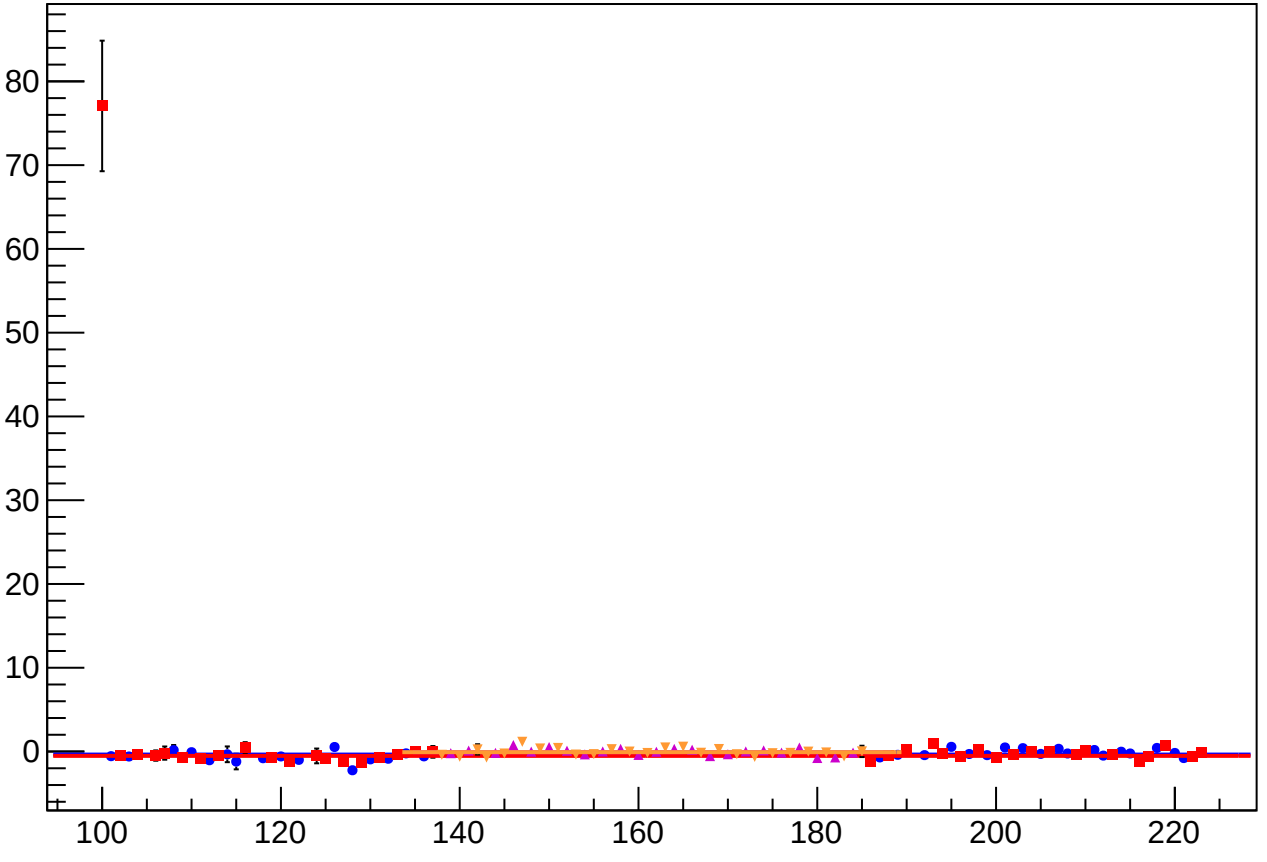
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.024+/-0.049 χ^2/NDF: 134.5/58

All: -0.066+/-0.034 χ^2/NDF: 299.0/119

- sign -0.108+/-0.048 χ^2/NDF: 163.0/60

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.365+/-0.070 χ^2/NDF: 59.3/33

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.519+/-0.061 χ^2/NDF: 162.1/37

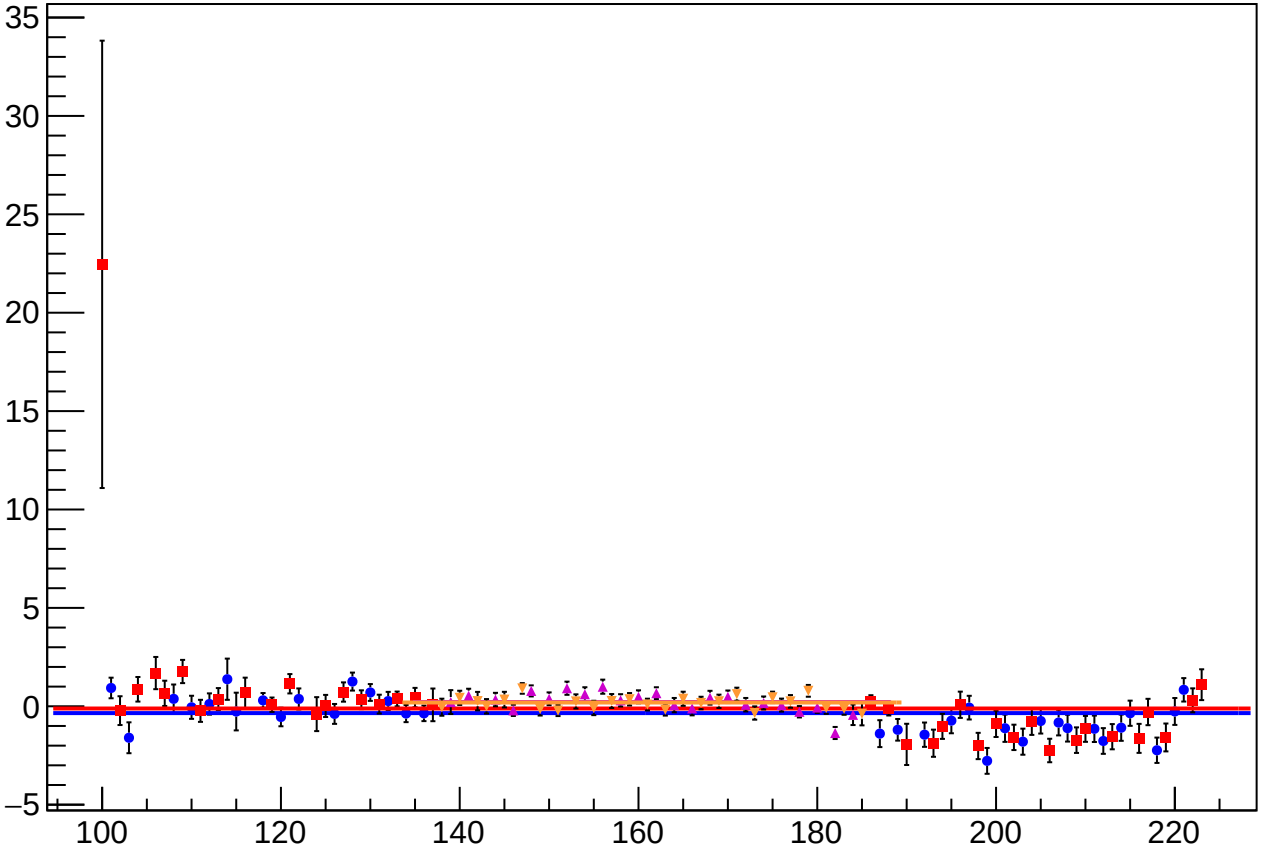
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.235+/-0.052 χ^2/NDF: 97.0/58

All: -0.298+/-0.035 χ^2/NDF: 310.1/119

- sign -0.353+/-0.048 χ^2/NDF: 210.3/60

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.346+/-0.098 χ^2/NDF: 88.5/33

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.113+/-0.093 χ^2/NDF: 104.9/37

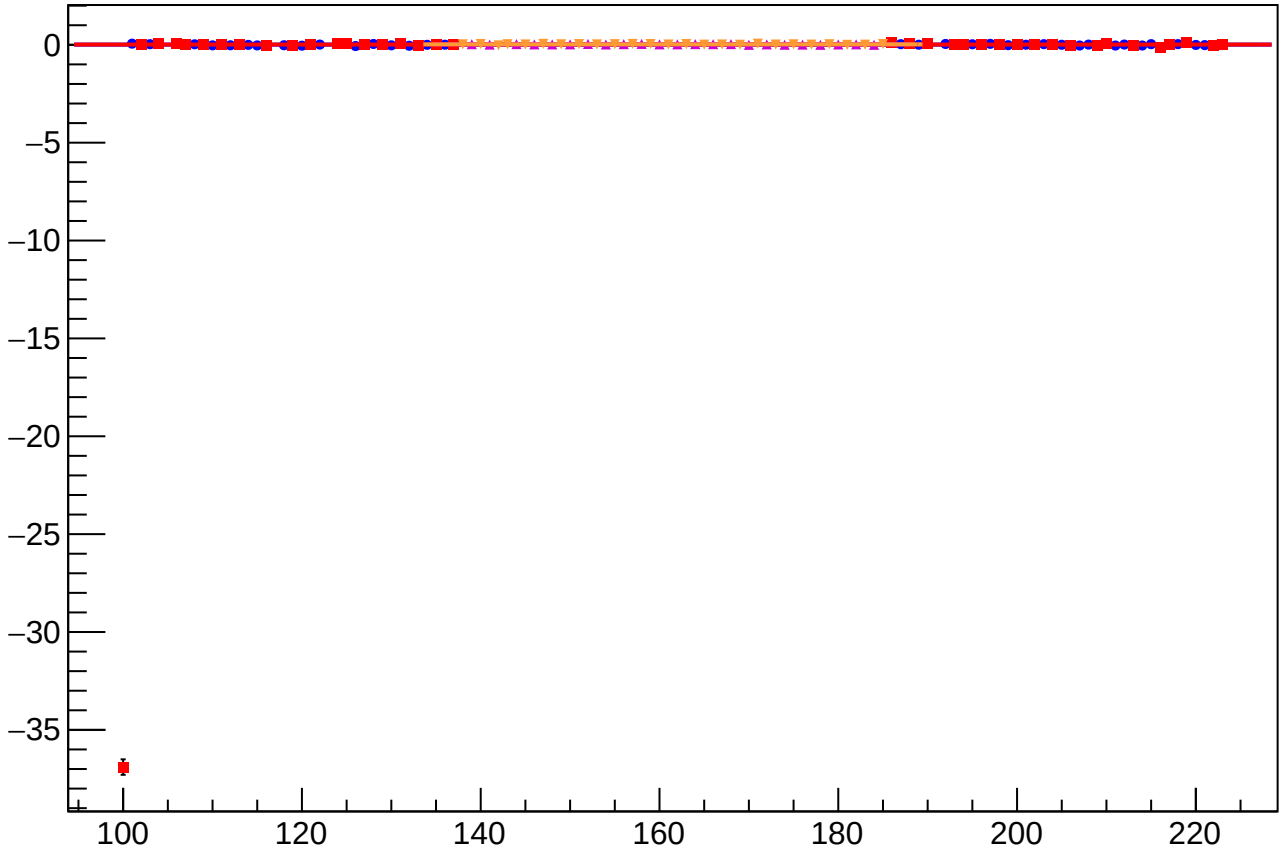
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.021+/-0.055 χ^2/NDF: 135.1/58

All: 0.060+/-0.039 χ^2/NDF: 304.0/119

- sign 0.098+/-0.056 χ^2/NDF: 168.0/60

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.005 χ^2/NDF: 38.0/33

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.014+/-0.005 χ^2/NDF: 8801.2/37

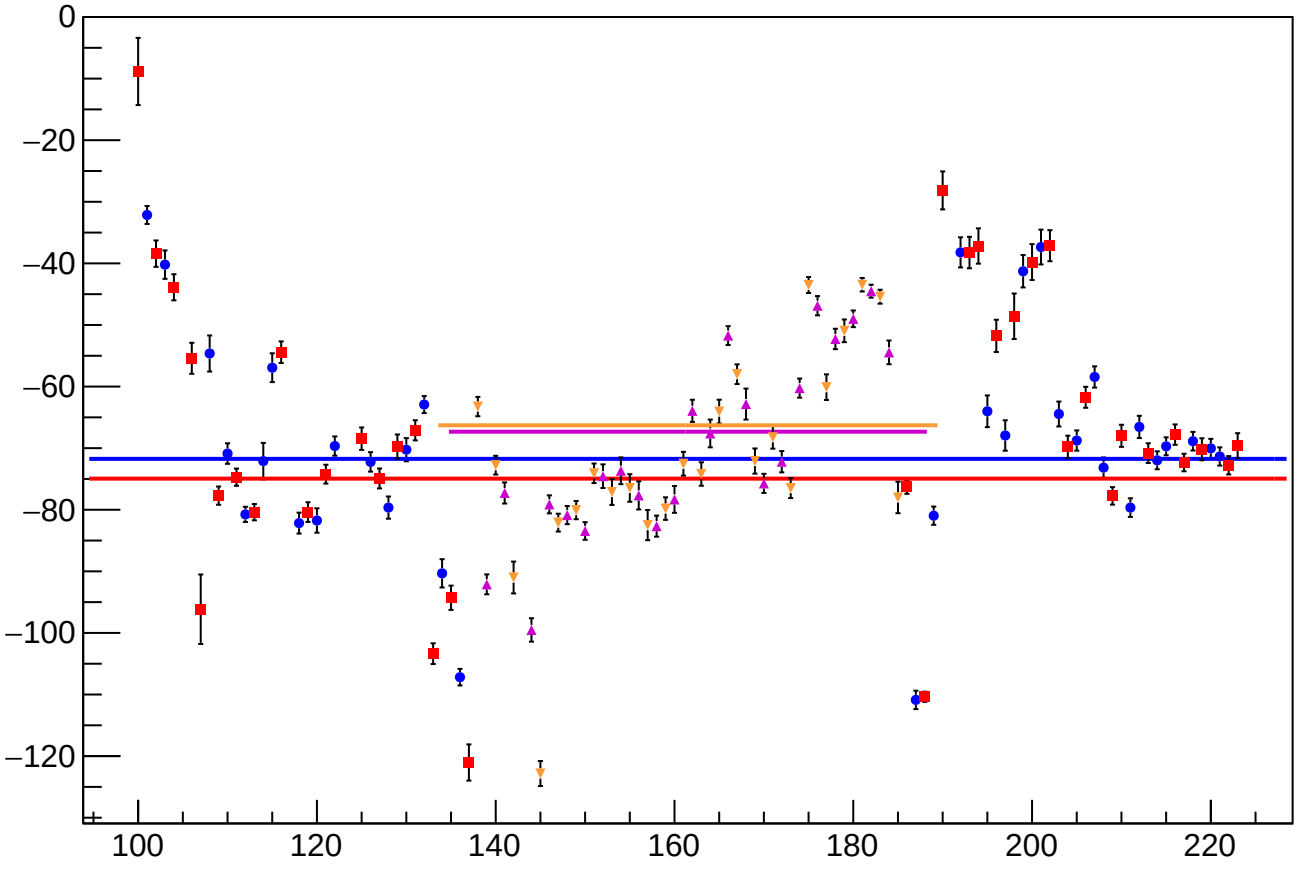
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.020+/-0.003 χ^2/NDF: 75.2/58

All: 0.020+/-0.002 χ^2/NDF: 8898.1/119

- sign 0.021+/-0.003 χ^2/NDF: 8822.8/60

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.739+/-0.297 χ^2/NDF: 3261.5/33

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -74.948+/-0.286 χ^2/NDF: 4639.3/36

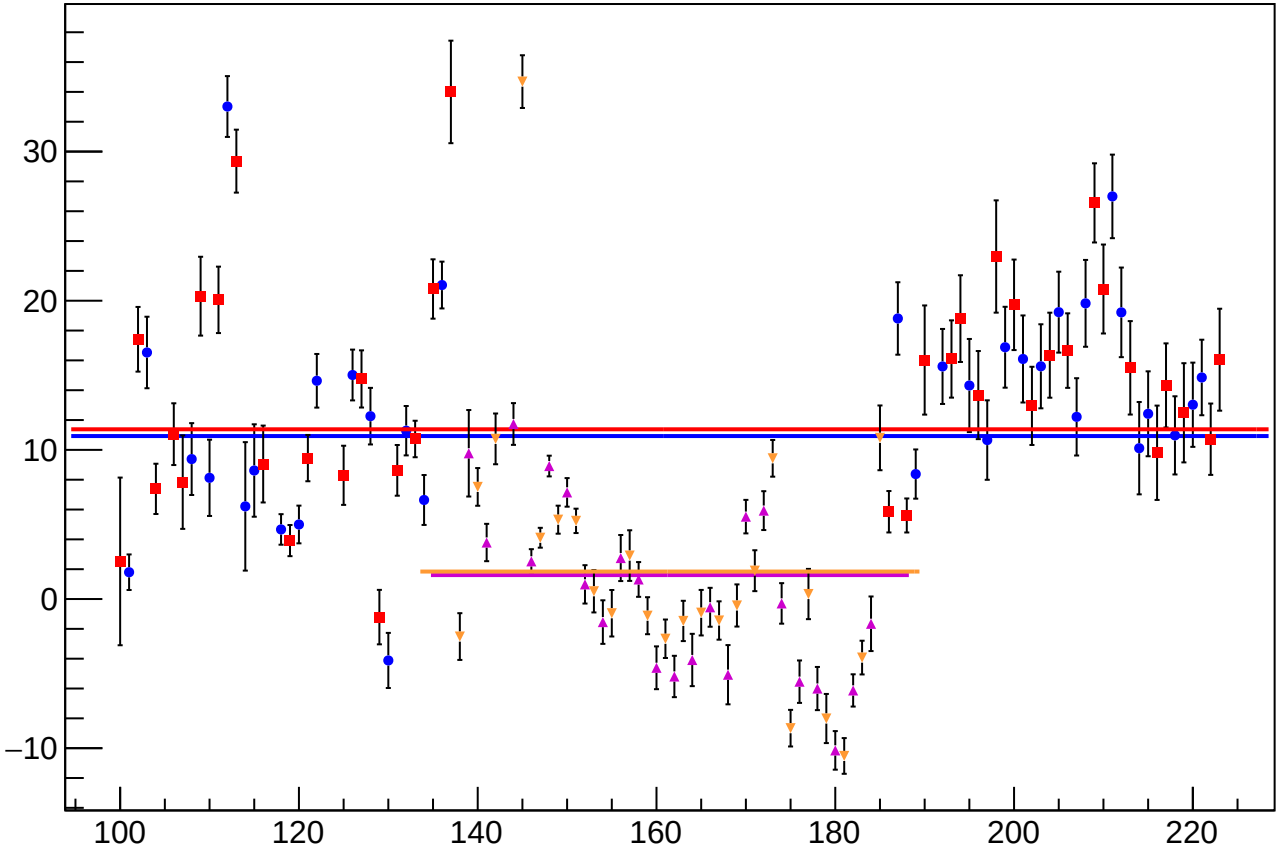
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

\+ sign -69.409+/-0.225 χ^2/NDF: 5955.7/57

All: -70.655+/-0.157 χ^2/NDF: 13046.7/117

\- sign -71.849+/-0.220 χ^2/NDF: 7030.9/59

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.926+/-0.350 χ^2/NDF: 460.4/33

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.380+/-0.344 χ^2/NDF: 417.7/36

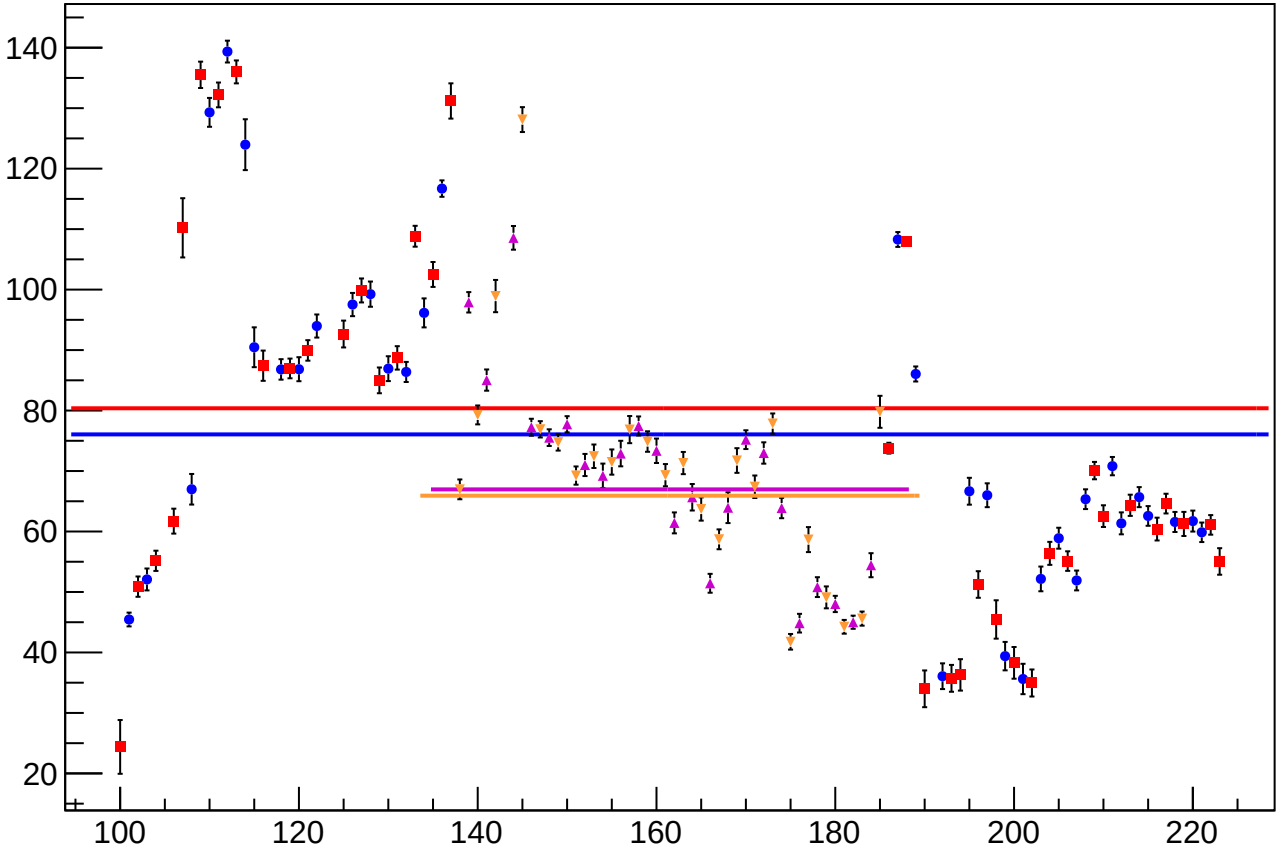
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.979+/-0.206 χ^2/NDF: 1682.1/57

All: 5.054+/-0.146 χ^2/NDF: 3112.6/117

- sign 5.130+/-0.207 χ^2/NDF: 1430.3/59

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 76.057+/-0.305 χ^2/NDF: 6802.3/33

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 80.377+/-0.287 χ^2/NDF: 8724.9/36

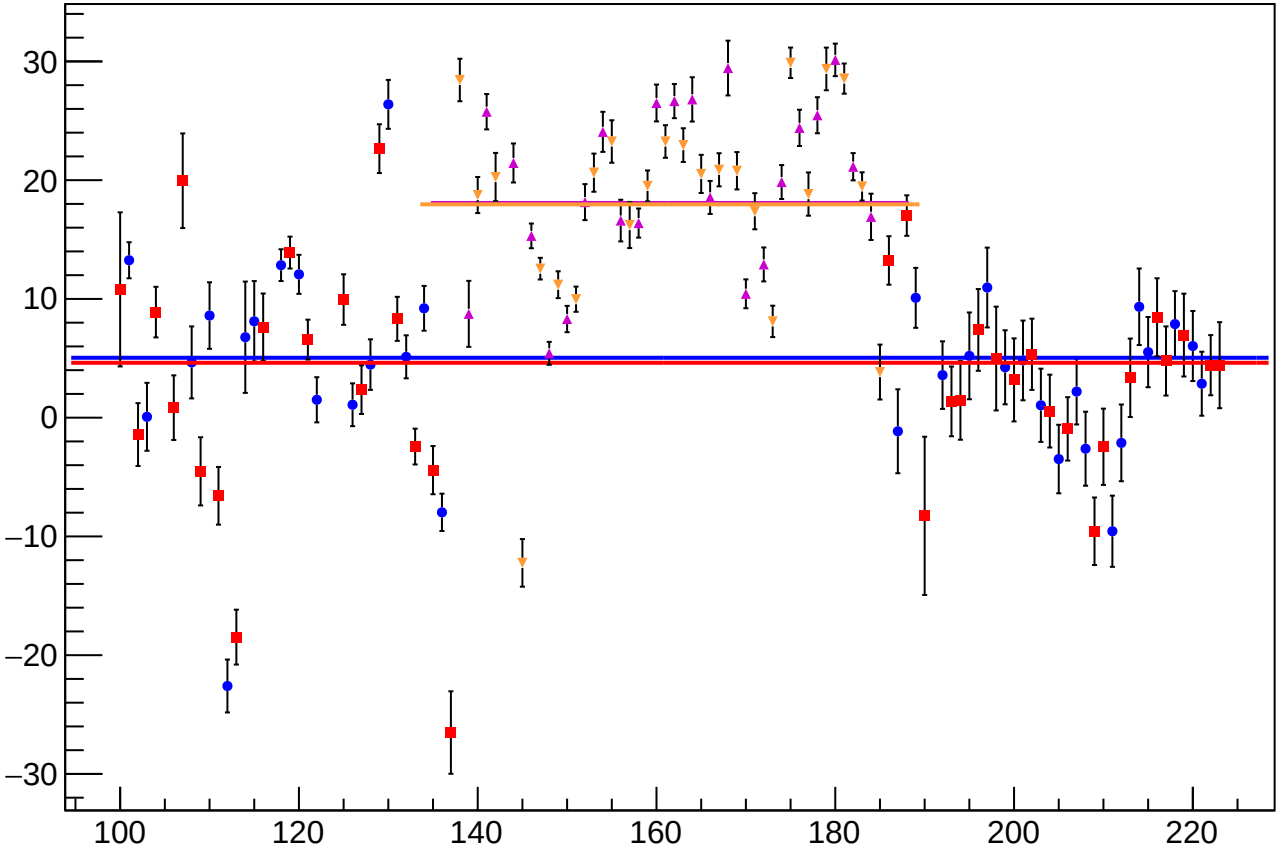
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 71.550+/-0.227 χ^2/NDF: 9849.7/57

All: 73.246+/-0.158 χ^2/NDF: 21810.1/117

- sign 74.831+/-0.219 χ^2/NDF: 11852.4/59

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.046+/-0.406 χ^2/NDF: 490.5/33

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.622+/-0.406 χ^2/NDF: 534.3/36

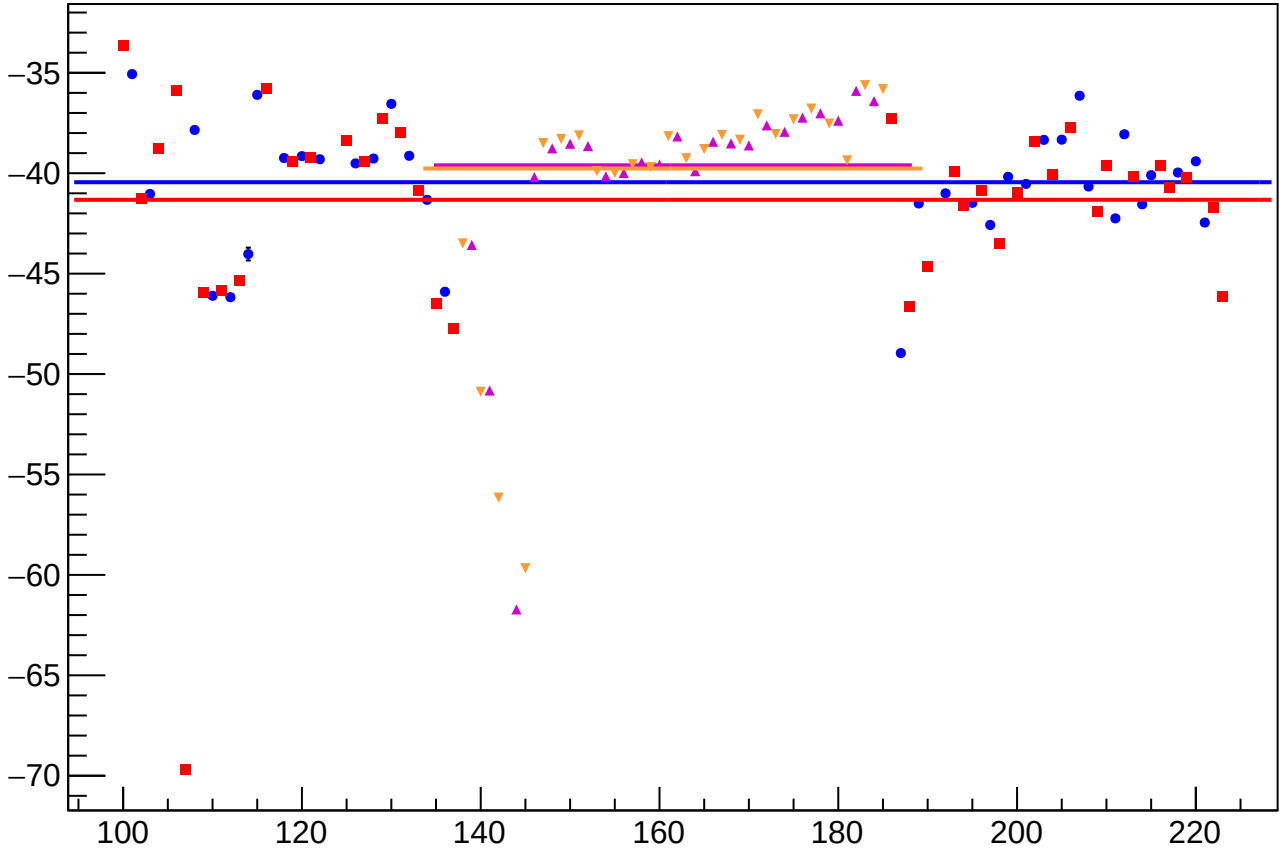
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

\+ sign 13.563+/-0.237 χ^2/NDF: 1889.4/57

All: 13.496+/-0.168 χ^2/NDF: 3748.9/117

\- sign 13.428+/-0.238 χ^2/NDF: 1859.4/59

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.448+/-0.020 χ^2/NDF: 23535.2/33

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.323+/-0.020 χ^2/NDF: 45369.1/36

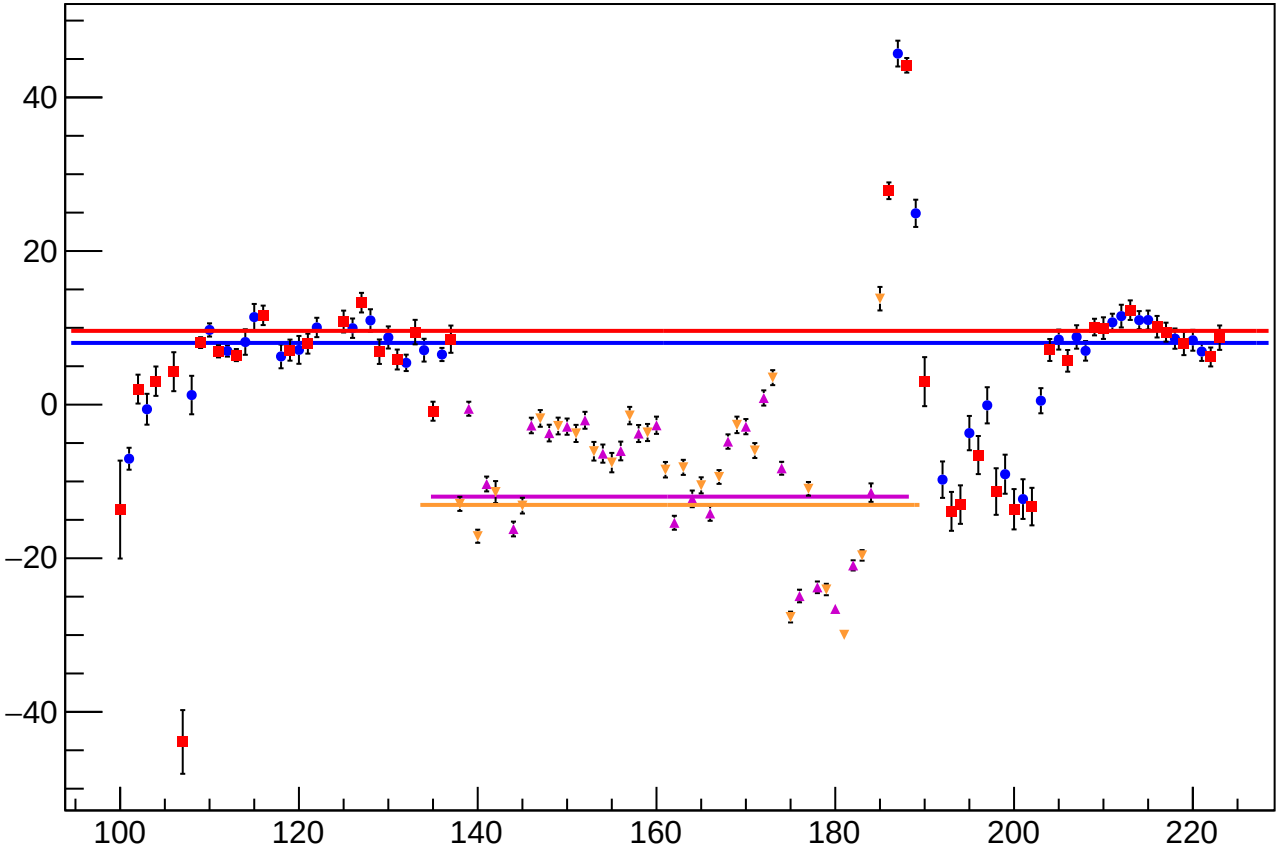
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.974+/-0.011 χ^2/NDF: 154218.6/57

All: -40.049+/-0.008 χ^2/NDF: 311280.5/117

- sign -40.123+/-0.011 χ^2/NDF: 156973.4/59

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.036+/-0.233 χ^2/NDF: 1009.2/33

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.603+/-0.225 χ^2/NDF: 2401.2/36

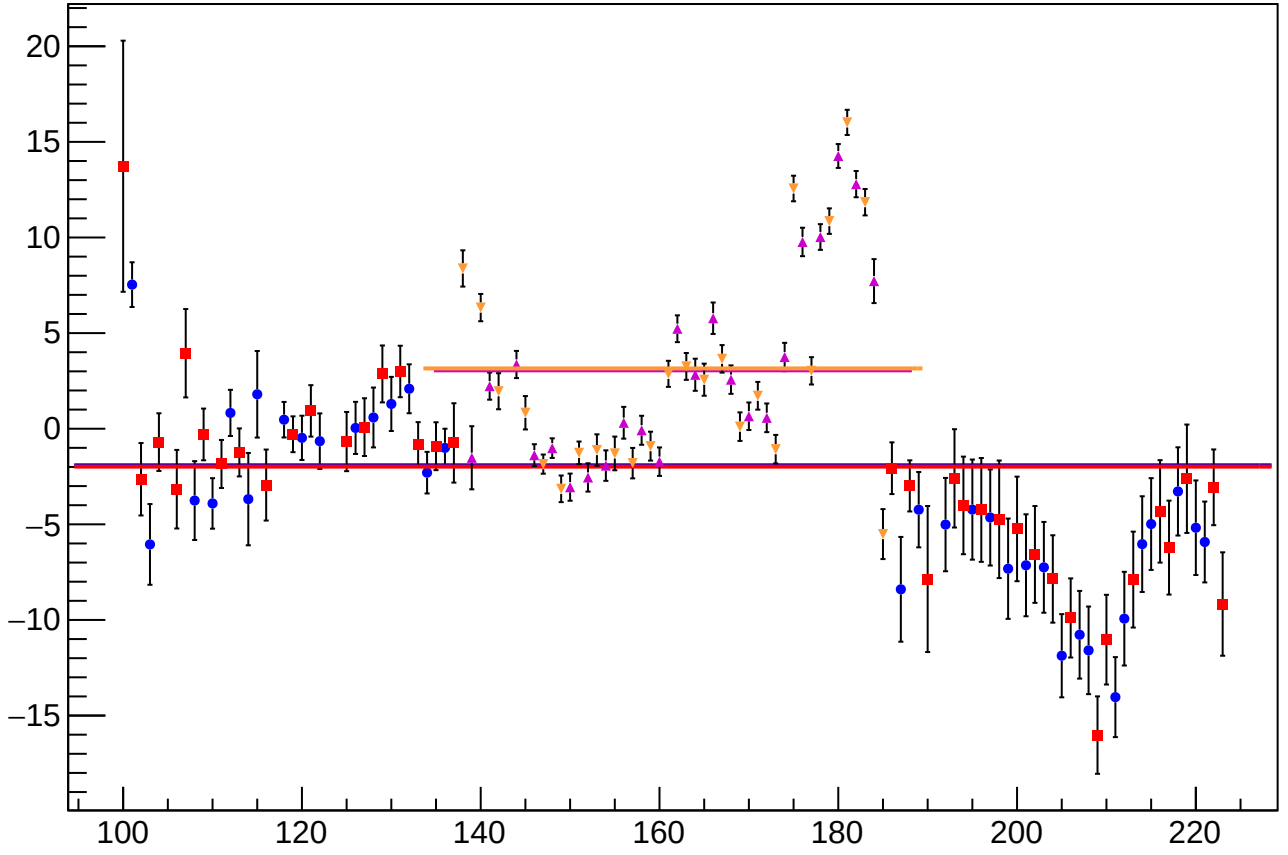
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -4.485+/-0.149 χ^2/NDF: 8740.6/57

All: -3.575+/-0.105 χ^2/NDF: 18645.7/117

\- sign -2.677+/-0.147 χ^2/NDF: 9830.5/59

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.912+/-0.285 χ^2/NDF: 241.8/33

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.981+/-0.285 χ^2/NDF: 163.4/36

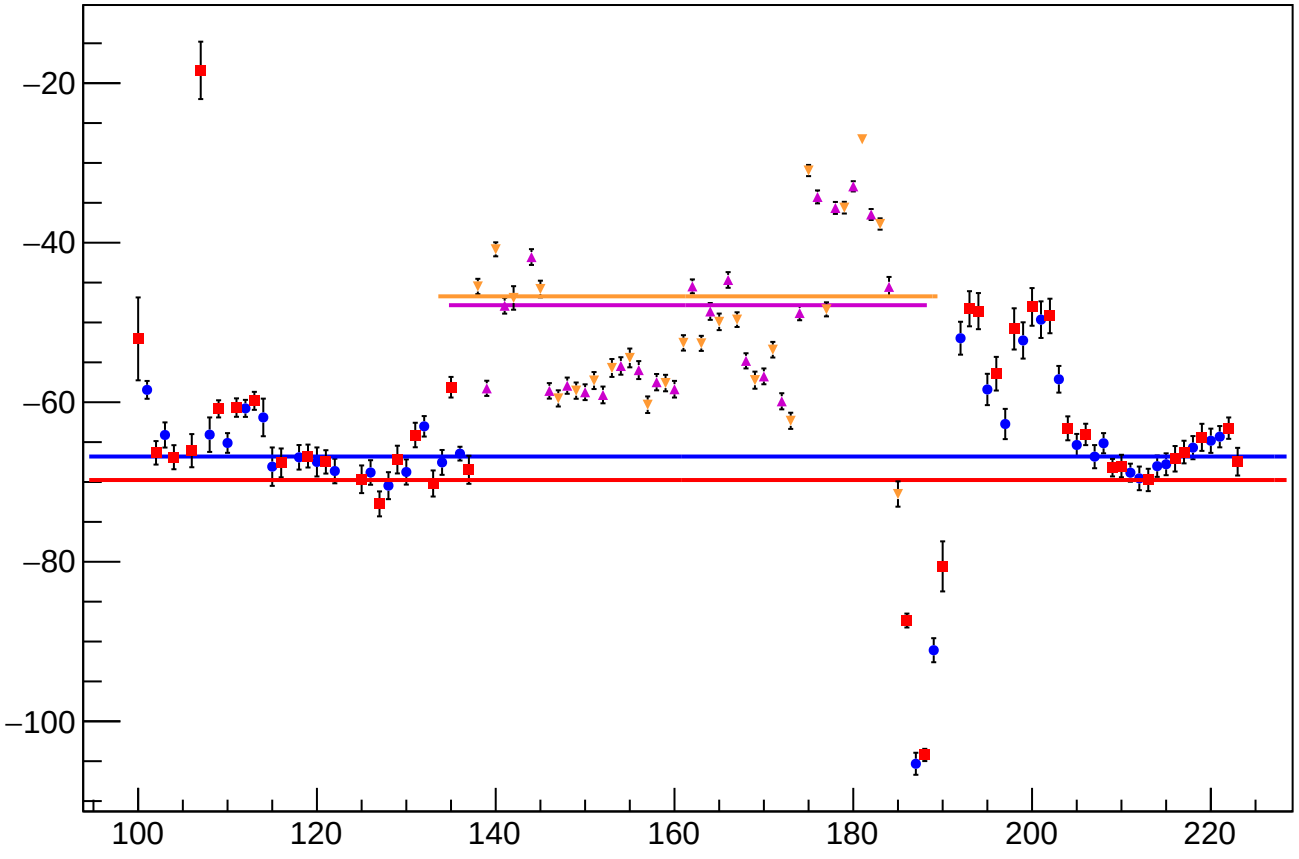
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.063+/-0.132 χ^2/NDF: 1875.0/57

All: 2.004+/-0.094 χ^2/NDF: 3426.3/117

- sign 1.942+/-0.134 χ^2/NDF: 1550.9/59

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.805+/-0.251 χ^2/NDF: 1376.0/33

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -69.752+/-0.243 χ^2/NDF: 3524.7/36

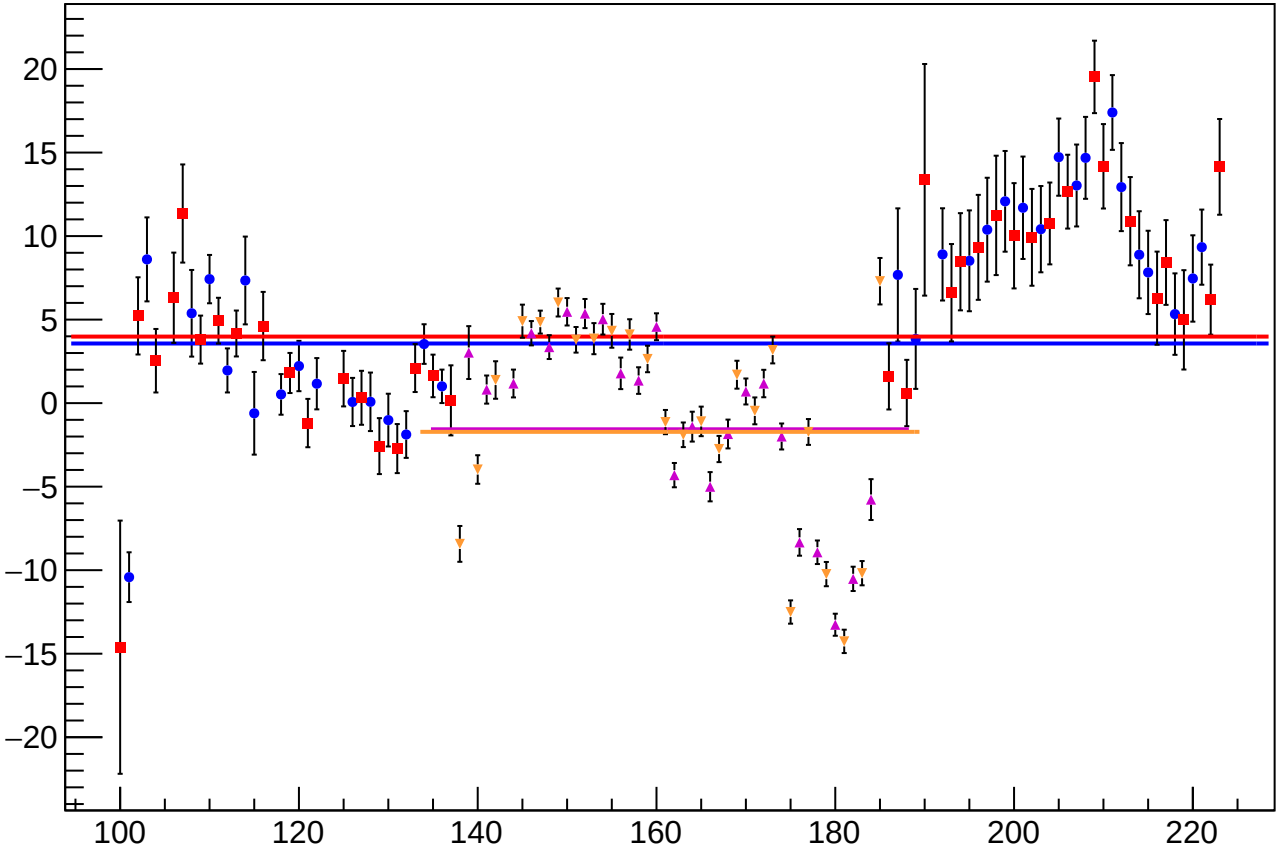
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -54.114+/-0.152 χ^2/NDF: 8867.0/57

All: -55.246+/-0.107 χ^2/NDF: 20034.9/117

- sign -56.366+/-0.151 χ^2/NDF: 11058.0/59

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.570+/-0.322 χ^2/NDF: 316.1/33

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.983+/-0.327 χ^2/NDF: 222.0/36

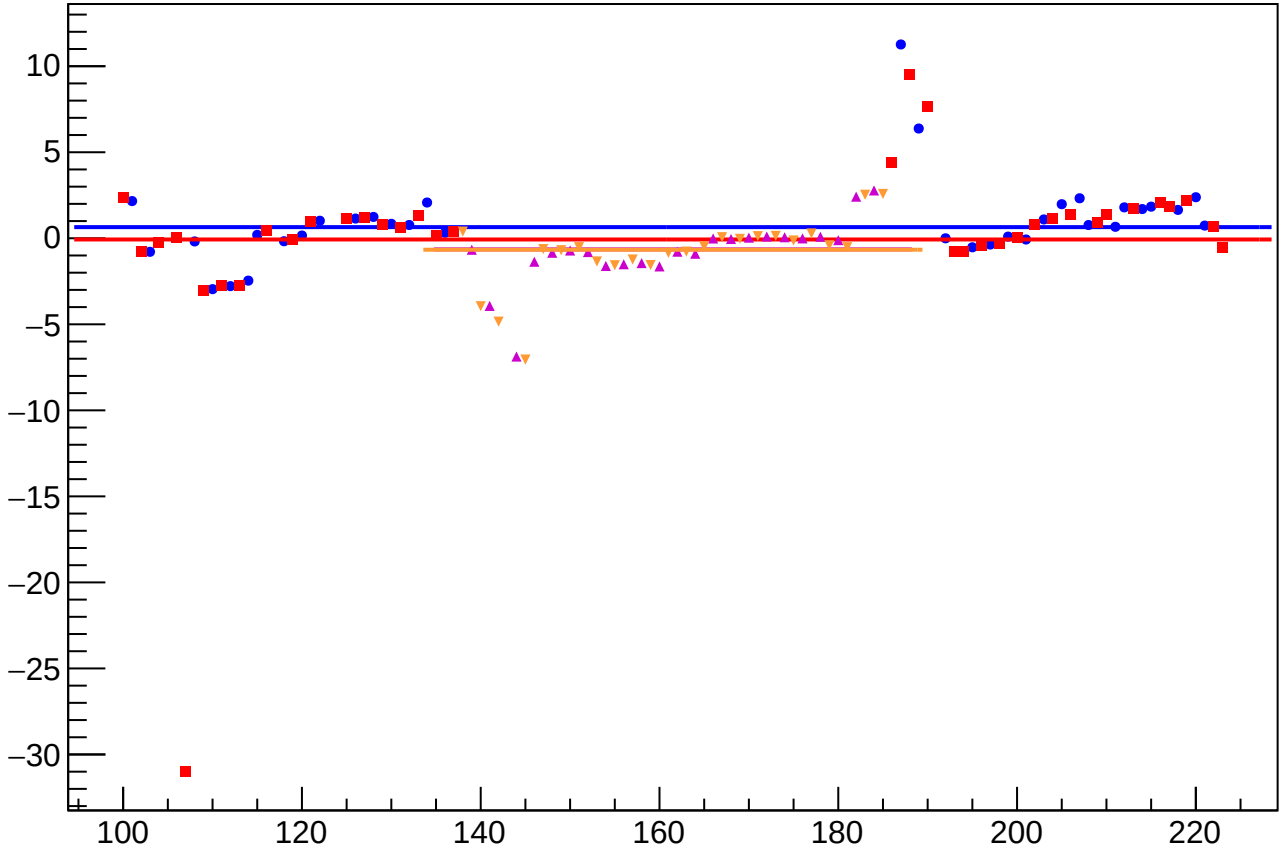
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

\+ sign -0.587+/-0.149 χ^2/NDF: 1934.6/57

All: -0.483+/-0.106 χ^2/NDF: 3502.2/117

\- sign -0.376+/-0.151 χ^2/NDF: 1566.6/59

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.648+/-0.016 χ^2/NDF: 10718.9/33

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.070+/-0.017 χ^2/NDF: 61829.8/36

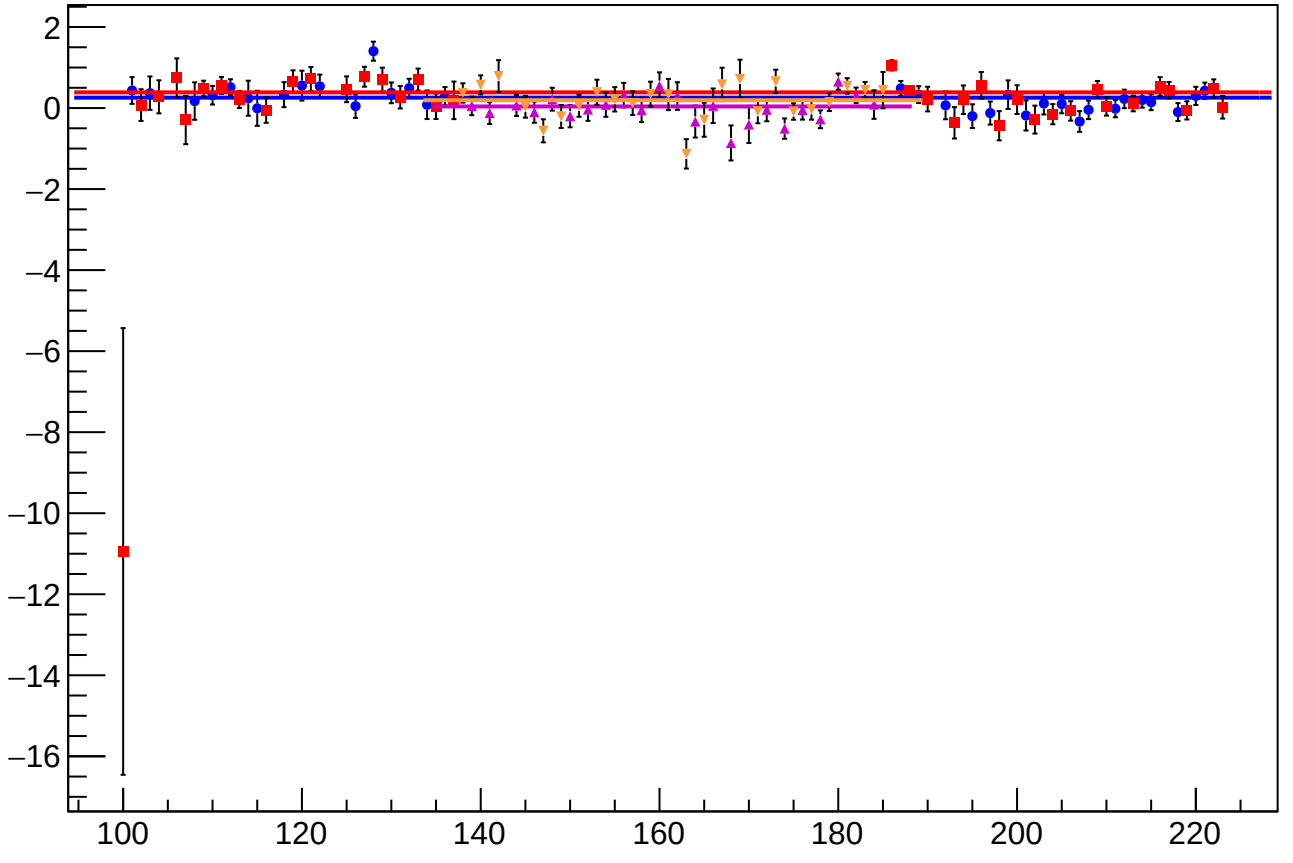
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.436+/-0.007 χ^2/NDF: 71349.0/57

All: -0.492+/-0.005 χ^2/NDF: 179870.5/117

- sign -0.549+/-0.007 χ^2/NDF: 108385.9/59

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.256+/-0.044 χ^2/NDF: 51.1/33

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.388+/-0.040 χ^2/NDF: 80.0/36

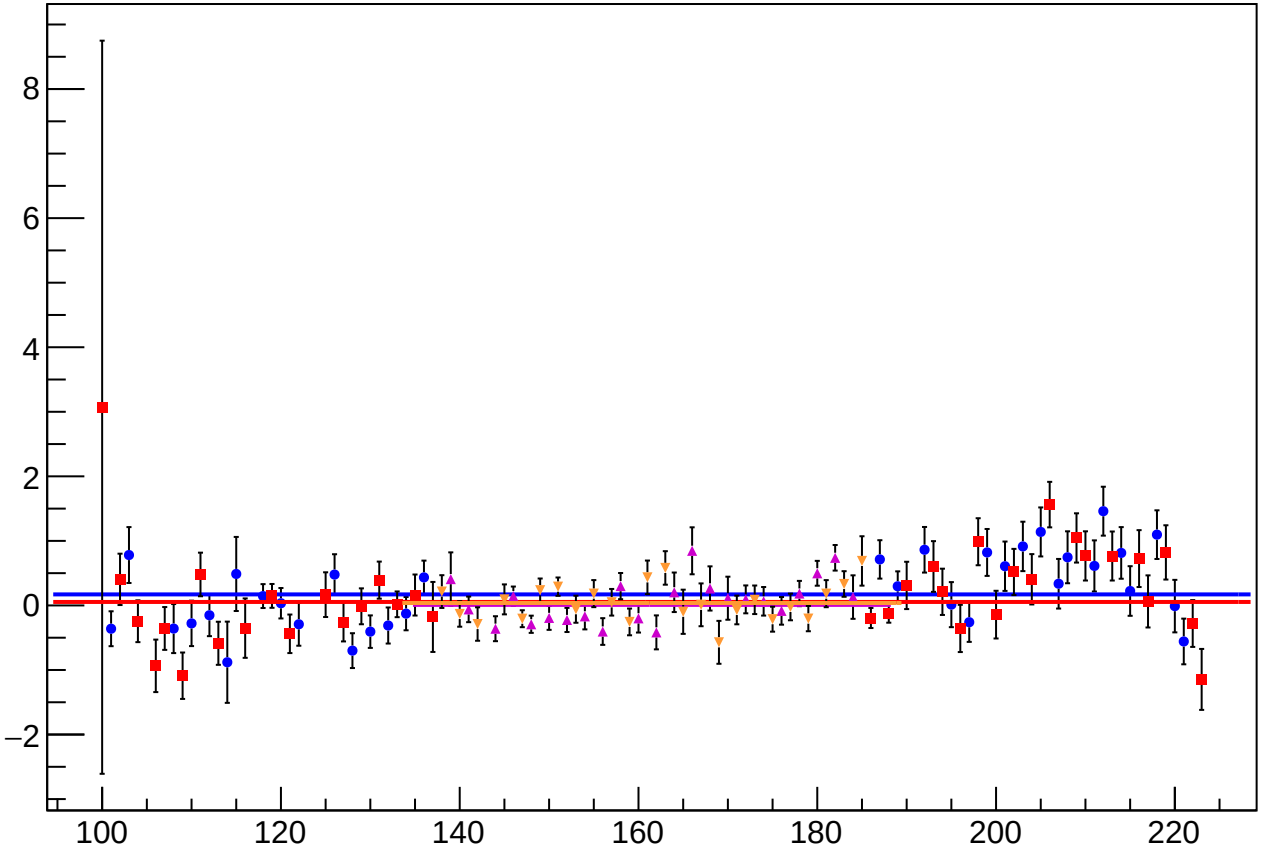
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.233+/-0.035 χ^2/NDF: 96.0/57

All: 0.254+/-0.024 χ^2/NDF: 231.8/117

- sign 0.274+/-0.033 χ^2/NDF: 135.1/59

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.171+/-0.055 χ^2/NDF: 90.3/33

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.054+/-0.051 χ^2/NDF: 93.6/36

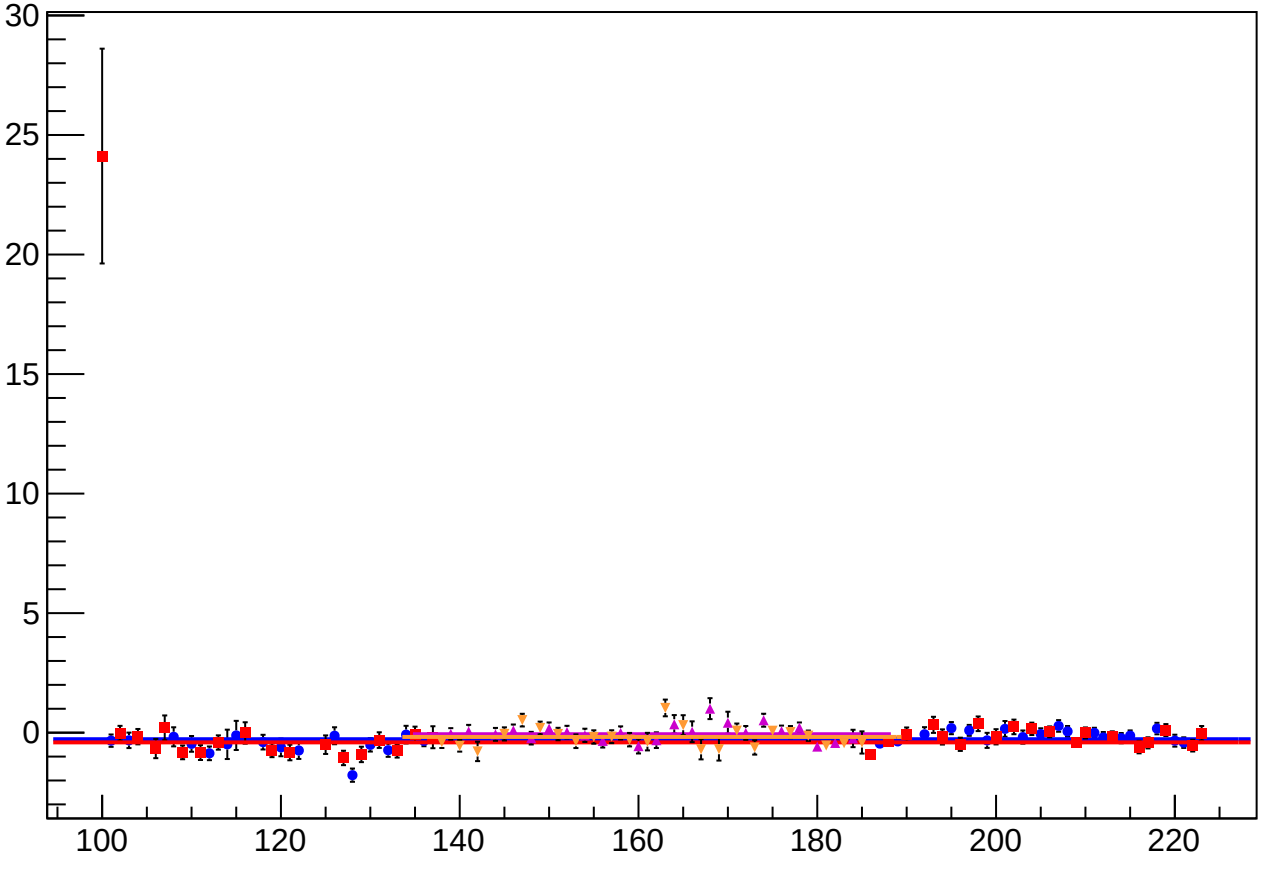
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.089+/-0.034 χ^2/NDF: 126.7/57

All: 0.058+/-0.024 χ^2/NDF: 273.9/117

- sign 0.028+/-0.033 χ^2/NDF: 145.5/59

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.274+/-0.045 χ^2/NDF: 65.3/33

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.406+/-0.039 χ^2/NDF: 112.5/36

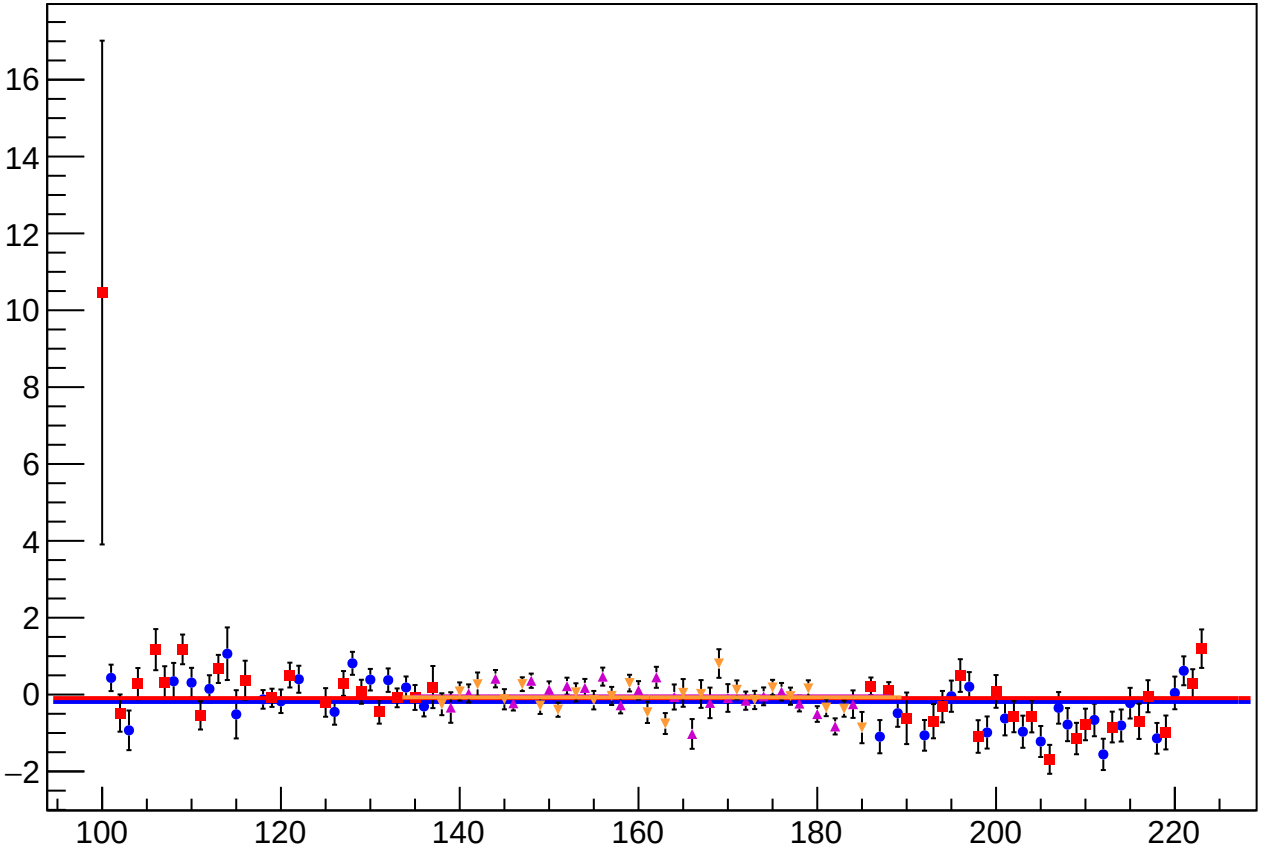
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.237+/-0.035 χ^2/NDF: 109.2/57

All: -0.268+/-0.024 χ^2/NDF: 278.7/117

- sign -0.295+/-0.032 χ^2/NDF: 168.0/59

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.192+/-0.063 χ^2/NDF: 90.0/33

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.093+/-0.061 χ^2/NDF: 94.5/36

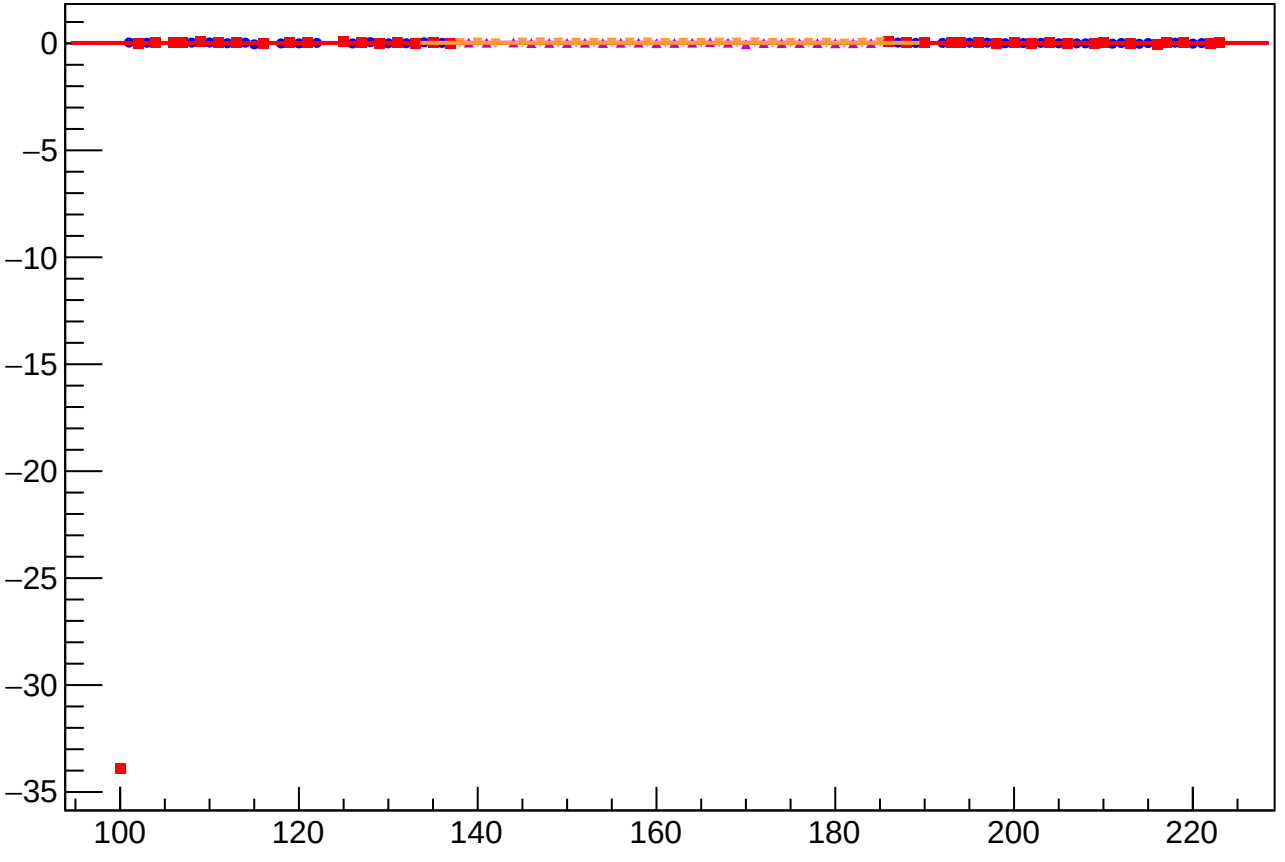
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.117+/-0.039 χ^2/NDF: 130.0/57

All: -0.091+/-0.027 χ^2/NDF: 276.2/117

- sign -0.066+/-0.039 χ^2/NDF: 145.3/59

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.003 χ^2/NDF: 32.0/33

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.020+/-0.003 χ^2/NDF: 22330.8/36

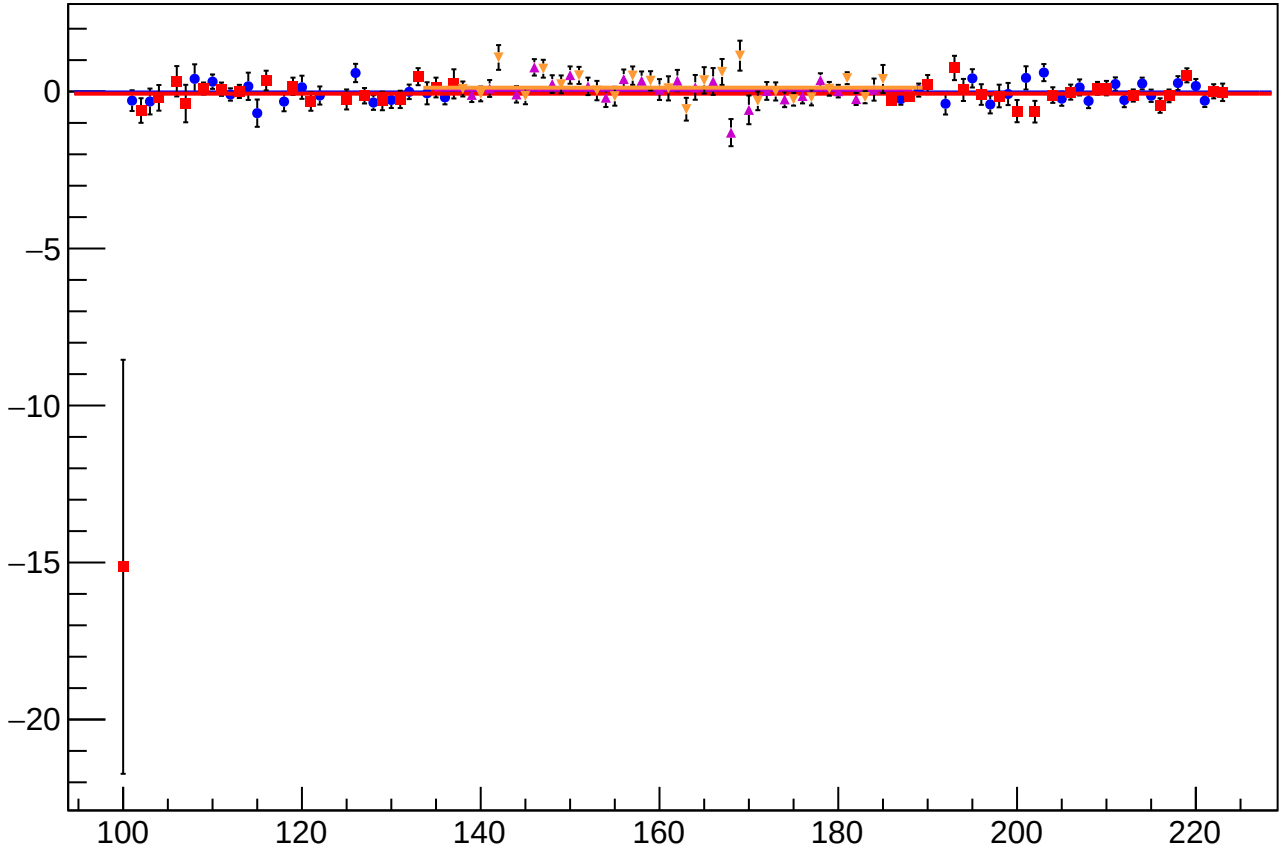
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.025+/-0.002 χ^2/NDF: 65.3/57

All: 0.024+/-0.001 χ^2/NDF: 22438.2/117

- sign 0.024+/-0.002 χ^2/NDF: 22372.8/59

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.029+/-0.044 χ^2/NDF: 41.7/33

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.069+/-0.040 χ^2/NDF: 45.0/36

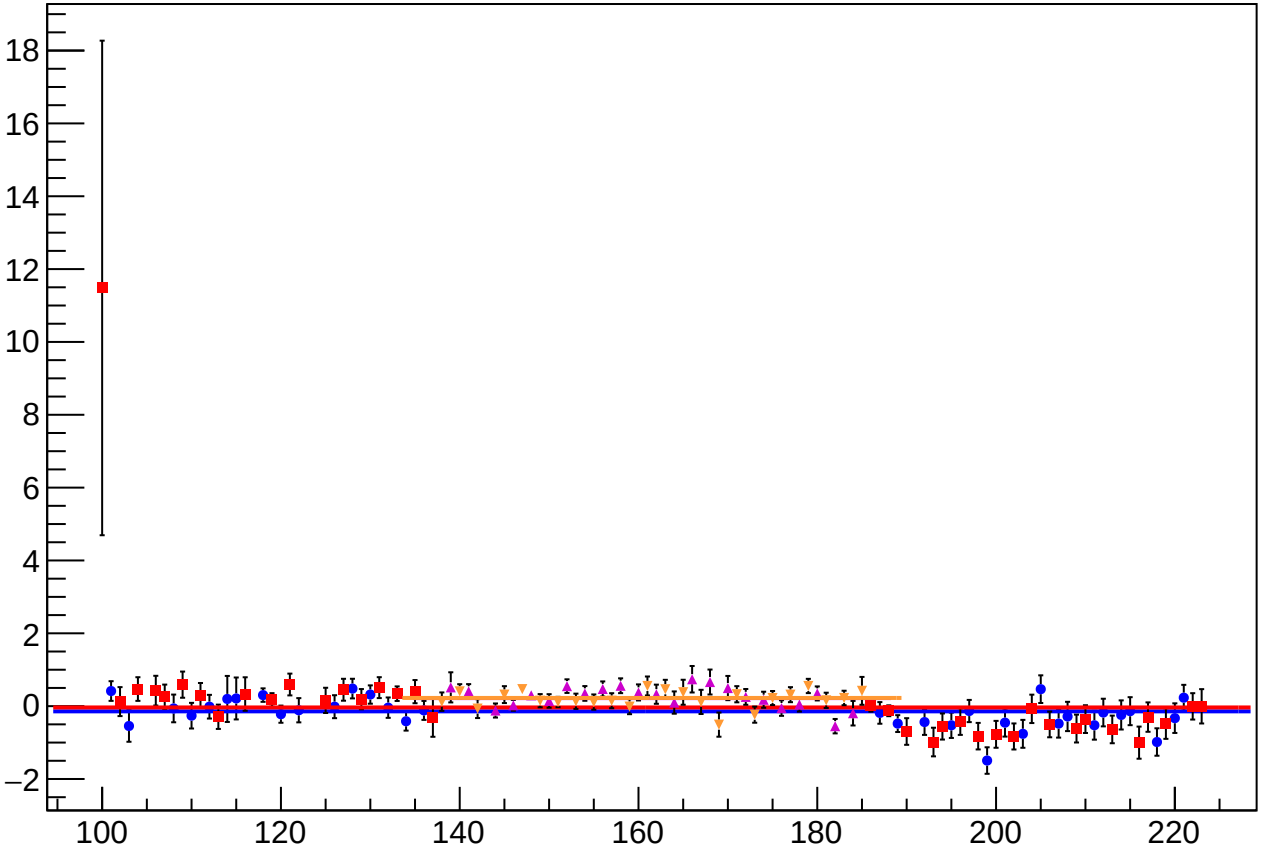
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.027+/-0.035 χ^2/NDF: 85.8/57

All: -0.000+/-0.024 χ^2/NDF: 169.8/117

- sign -0.025+/-0.033 χ^2/NDF: 82.7/59

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.143+/-0.055 χ^2/NDF: 54.1/33

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.036+/-0.051 χ^2/NDF: 71.4/36

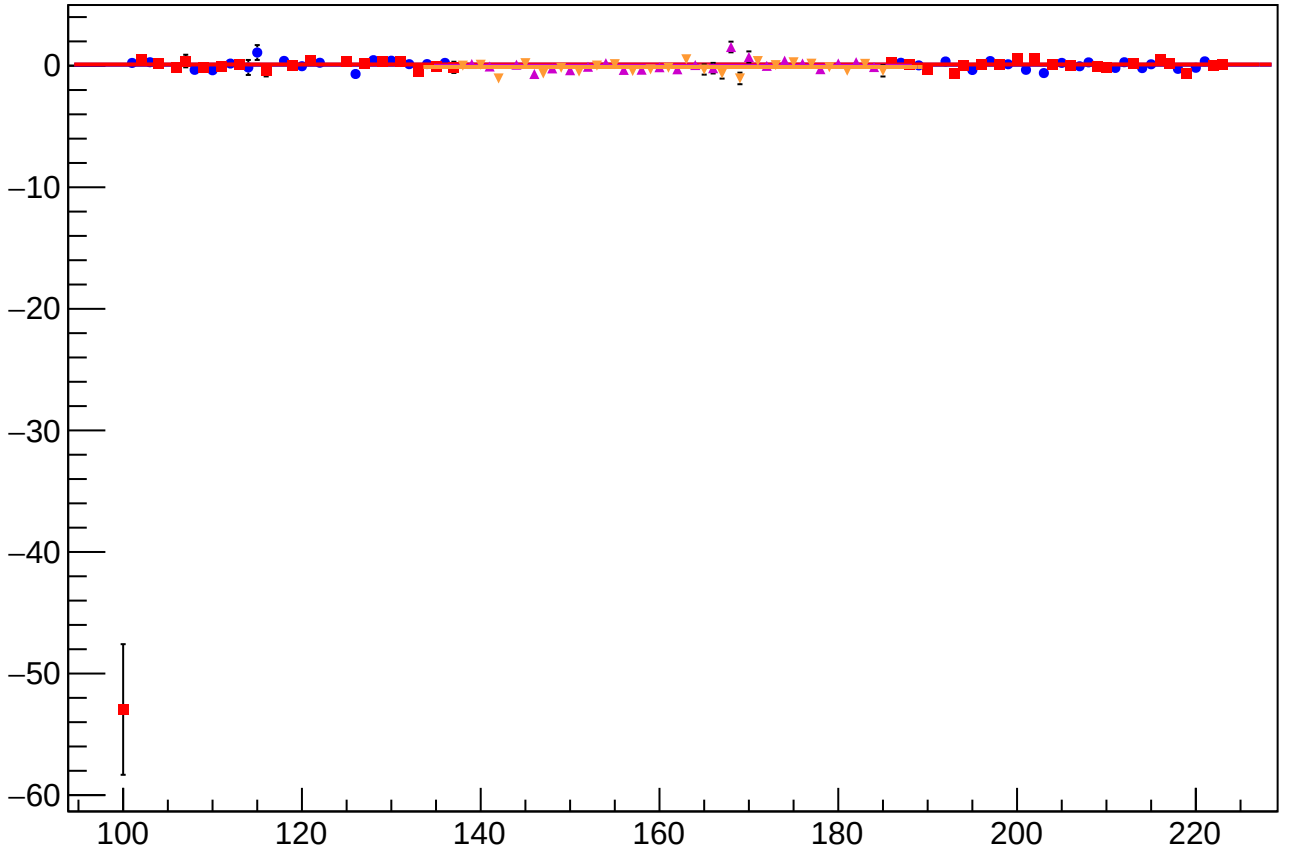
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.084+/-0.034 χ^2/NDF: 105.9/57

All: 0.097+/-0.024 χ^2/NDF: 231.5/117

- sign 0.110+/-0.033 χ^2/NDF: 125.3/59

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.079+/-0.045 χ^2/NDF: 41.0/33

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.103+/-0.039 χ^2/NDF: 135.7/36

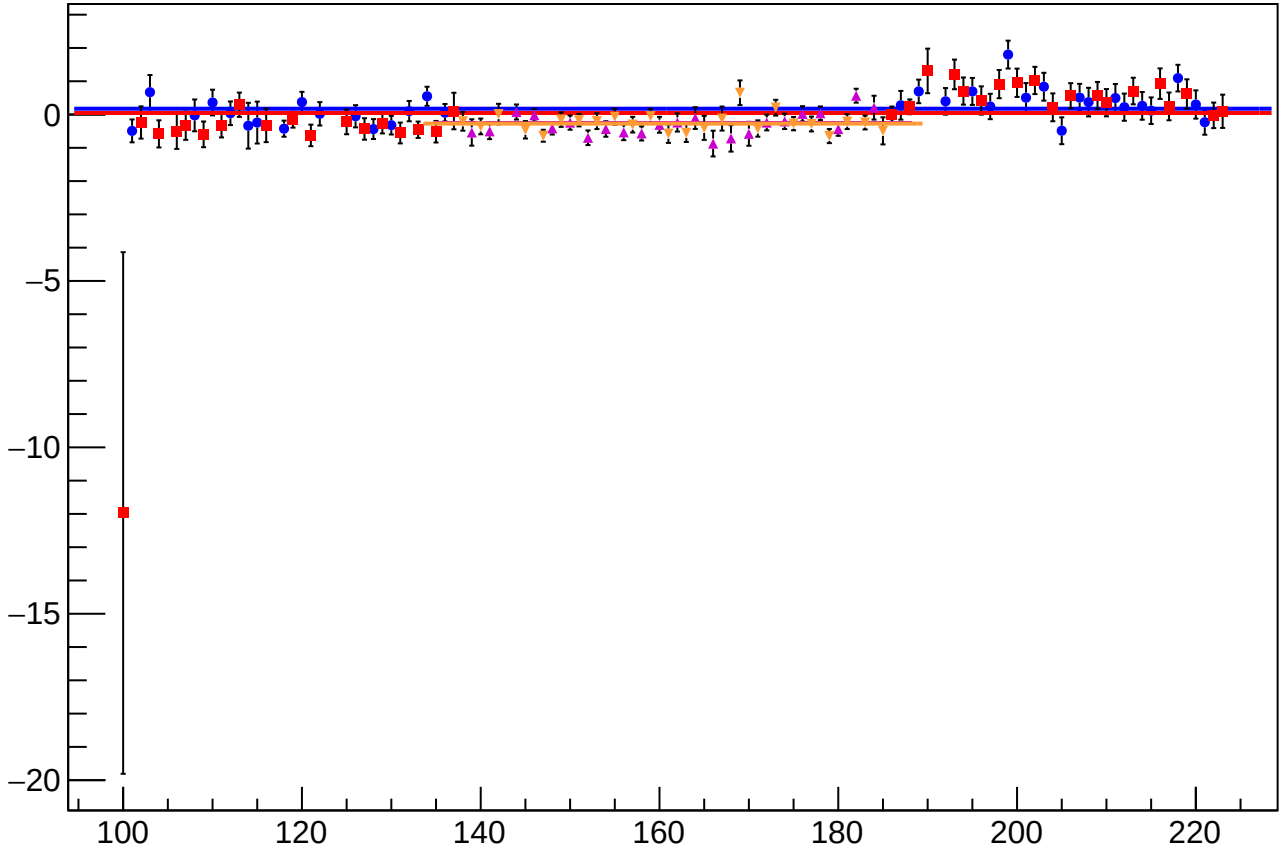
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.008+/-0.035 χ^2/NDF: 85.2/57

All: 0.040+/-0.024 χ^2/NDF: 263.1/117

- sign 0.067+/-0.032 χ^2/NDF: 176.3/59

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.175+/-0.063 χ^2/NDF: 55.8/33

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.047+/-0.061 χ^2/NDF: 72.8/36

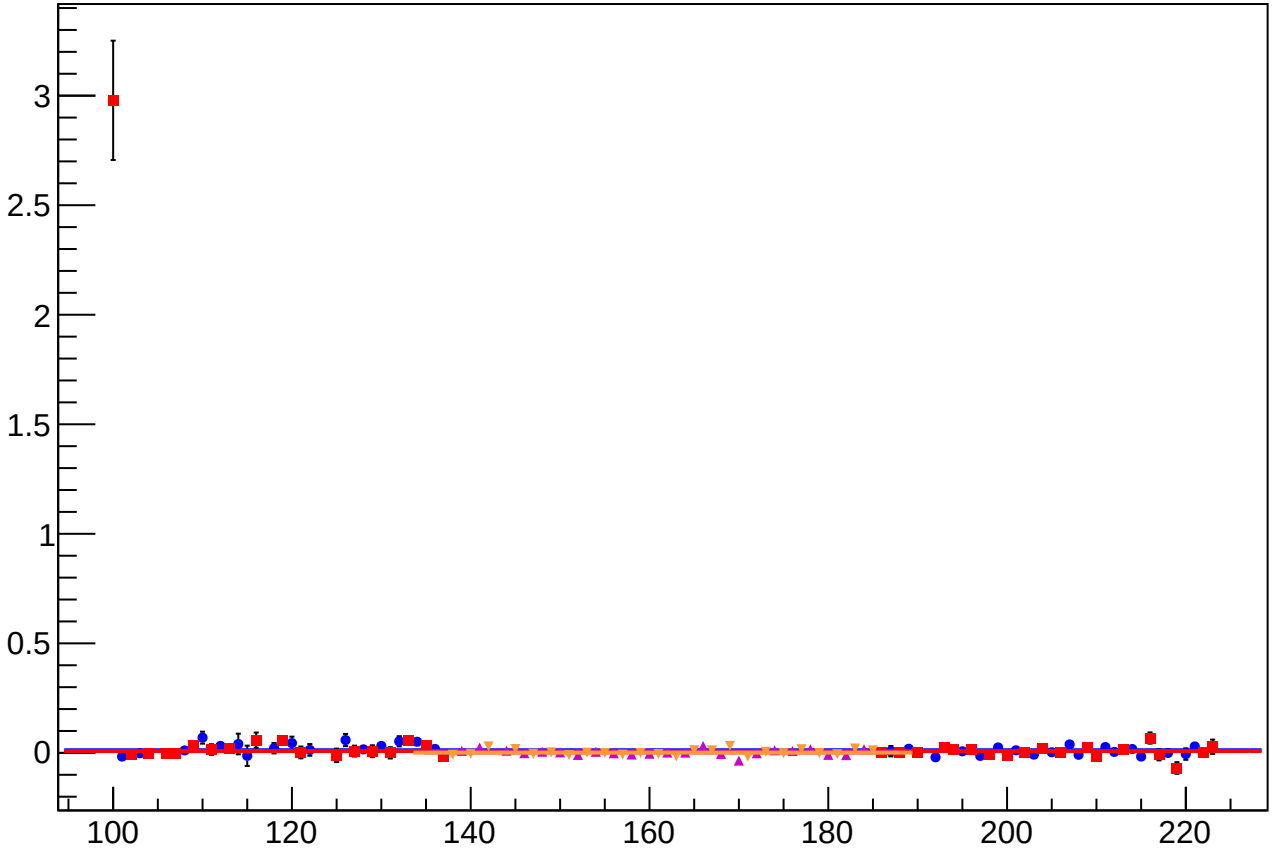
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.102+/-0.039 χ^2/NDF: 111.9/57

All: -0.117+/-0.027 χ^2/NDF: 240.1/117

- sign -0.132+/-0.039 χ^2/NDF: 127.9/59

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.003 χ^2/NDF: 48.3/33

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.008+/-0.003 χ^2/NDF: 167.2/36

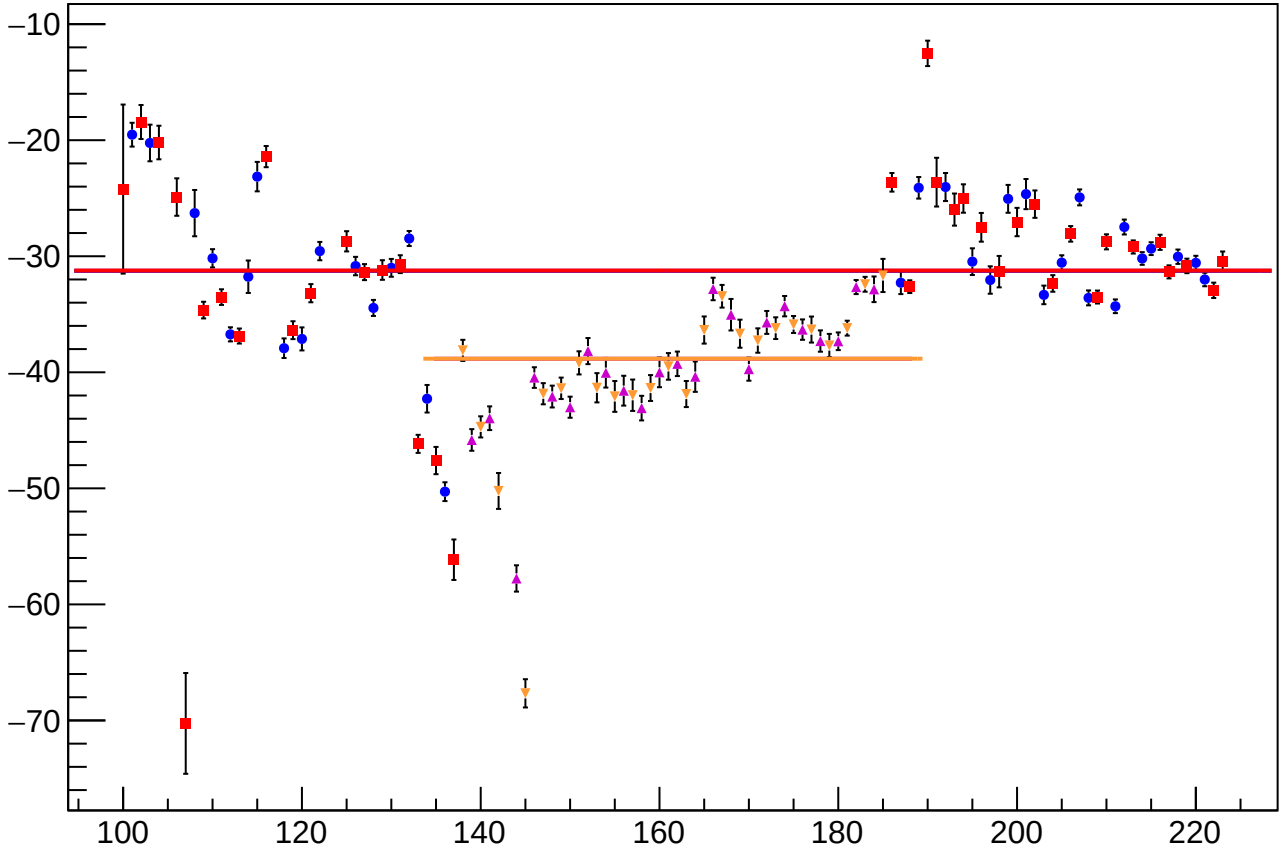
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

\+ sign 0.005+/-0.002 χ^2/NDF: 83.4/57

All: 0.005+/-0.001 χ^2/NDF: 278.0/117

\- sign 0.005+/-0.002 χ^2/NDF: 194.5/59

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.257+/-0.134 χ^2/NDF: 1428.2/33

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.233+/-0.134 χ^2/NDF: 1860.3/37

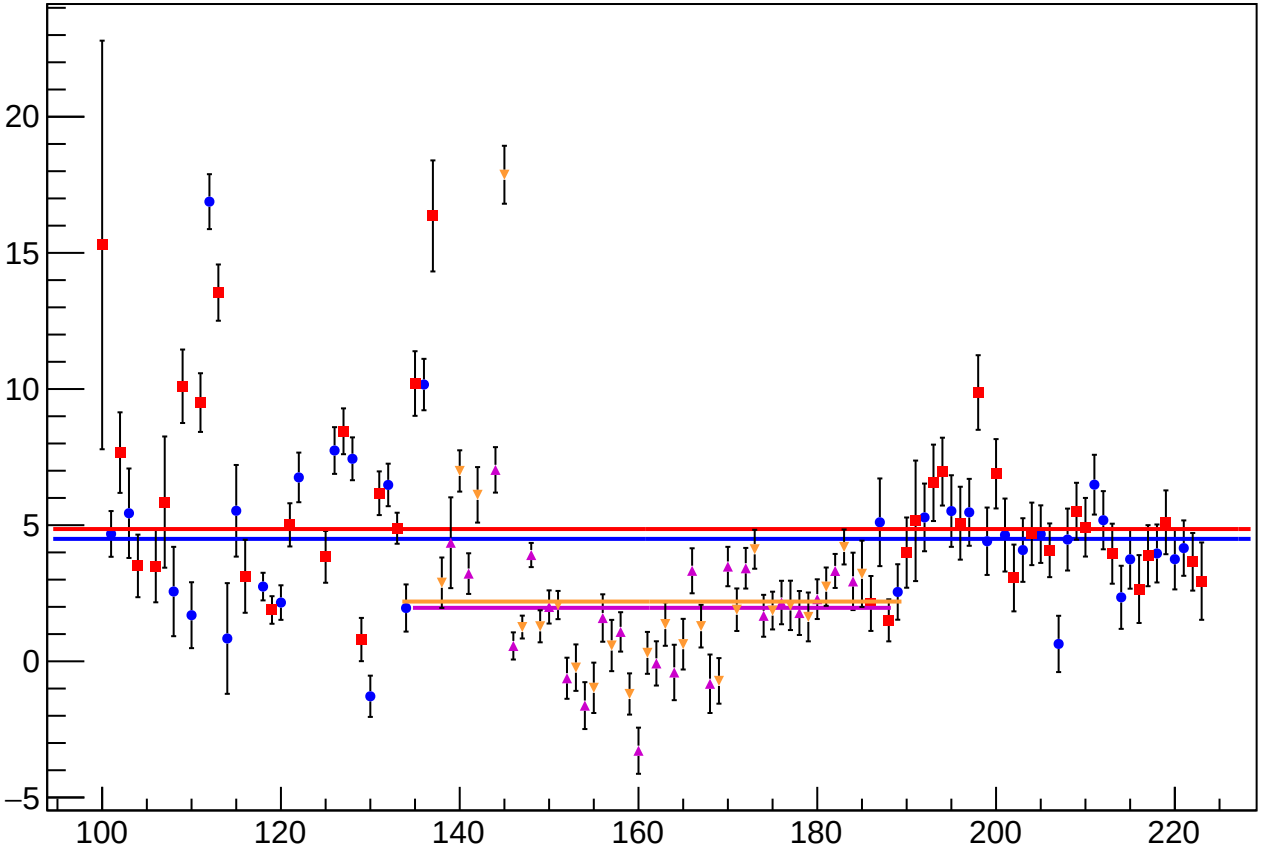
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -33.578+/-0.112 χ^2/NDF: 3319.1/57

All: -33.551+/-0.079 χ^2/NDF: 6809.4/118

- sign -33.525+/-0.112 χ^2/NDF: 3490.2/60

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.496+/-0.170 χ^2/NDF: 358.8/33

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.858+/-0.169 χ^2/NDF: 306.7/37

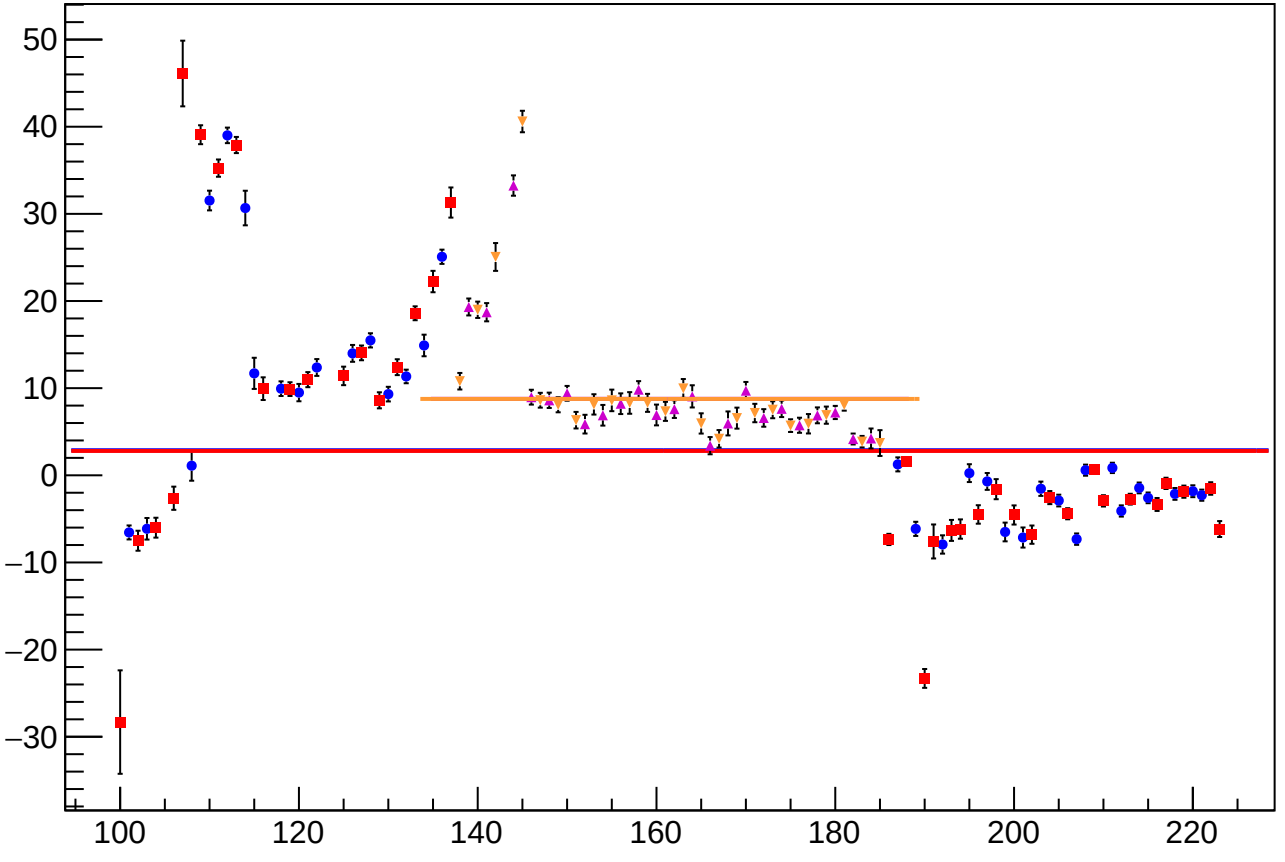
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.218+/-0.113 χ^2/NDF: 825.5/57

All: 3.250+/-0.080 χ^2/NDF: 1465.1/118

- sign 3.283+/-0.114 χ^2/NDF: 639.4/60

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 2.876+/-0.142 χ^2/NDF: 5474.5/33

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 2.797+/-0.140 χ^2/NDF: 7259.0/37

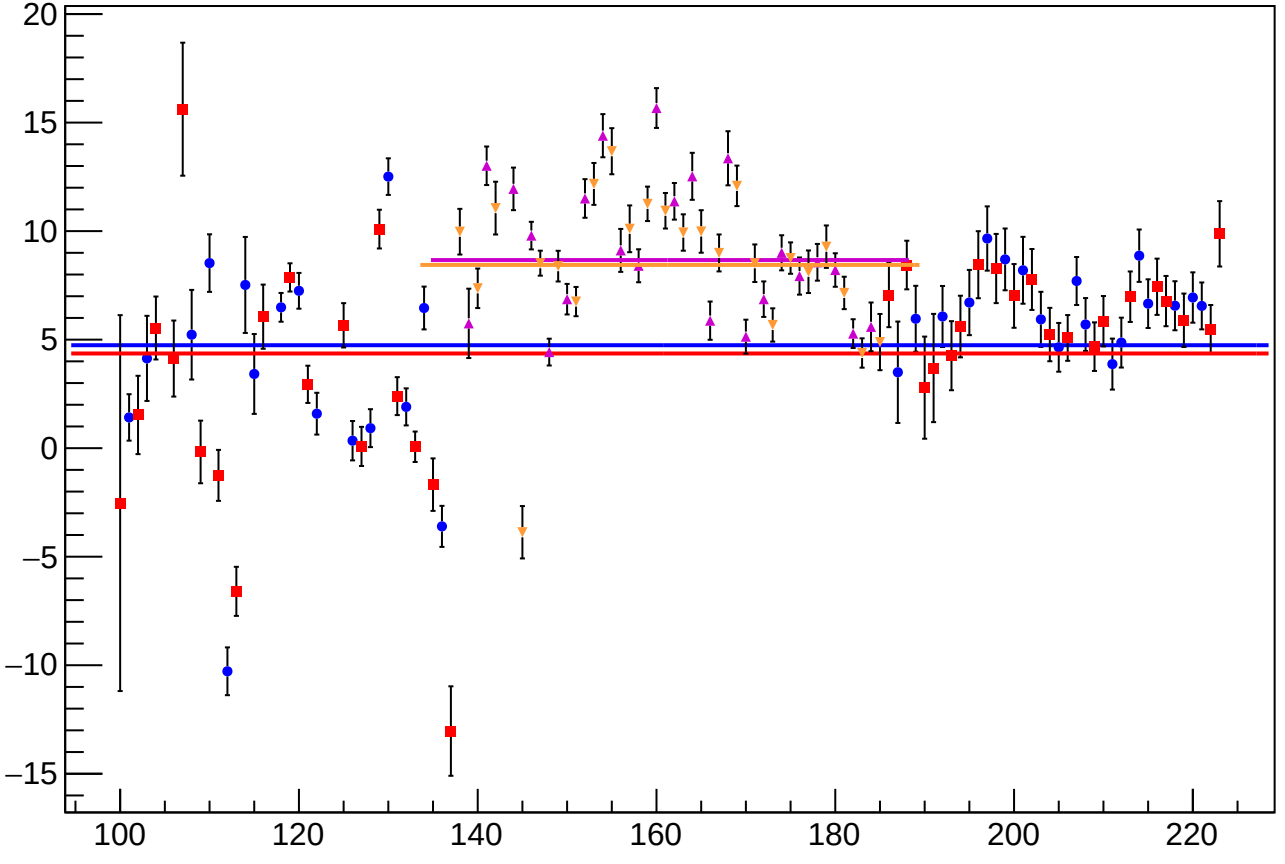
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 4.839+/-0.116 χ^2/NDF: 7085.4/57

All: 4.789+/-0.082 χ^2/NDF: 15733.8/118

\- sign 4.739+/-0.115 χ^2/NDF: 8648.1/60

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.743+/-0.193 χ^2/NDF: 512.6/33

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.362+/-0.194 χ^2/NDF: 455.1/37

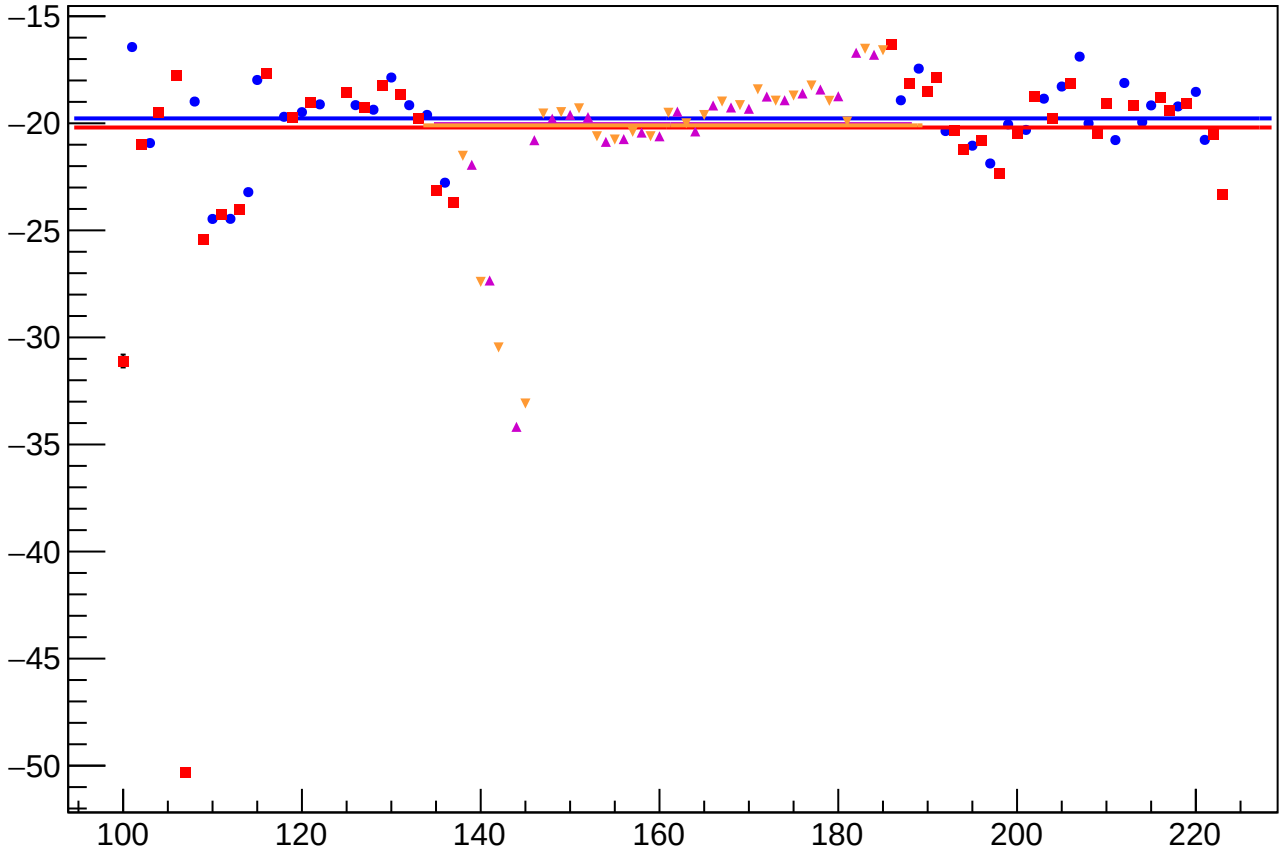
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.792+/-0.129 χ^2/NDF: 979.4/57

All: 6.762+/-0.092 χ^2/NDF: 2009.3/118

- sign 6.731+/-0.130 χ^2/NDF: 1029.7/60

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.771+/-0.010 χ^2/NDF: 33119.3/33

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.196+/-0.010 χ^2/NDF: 74131.6/37

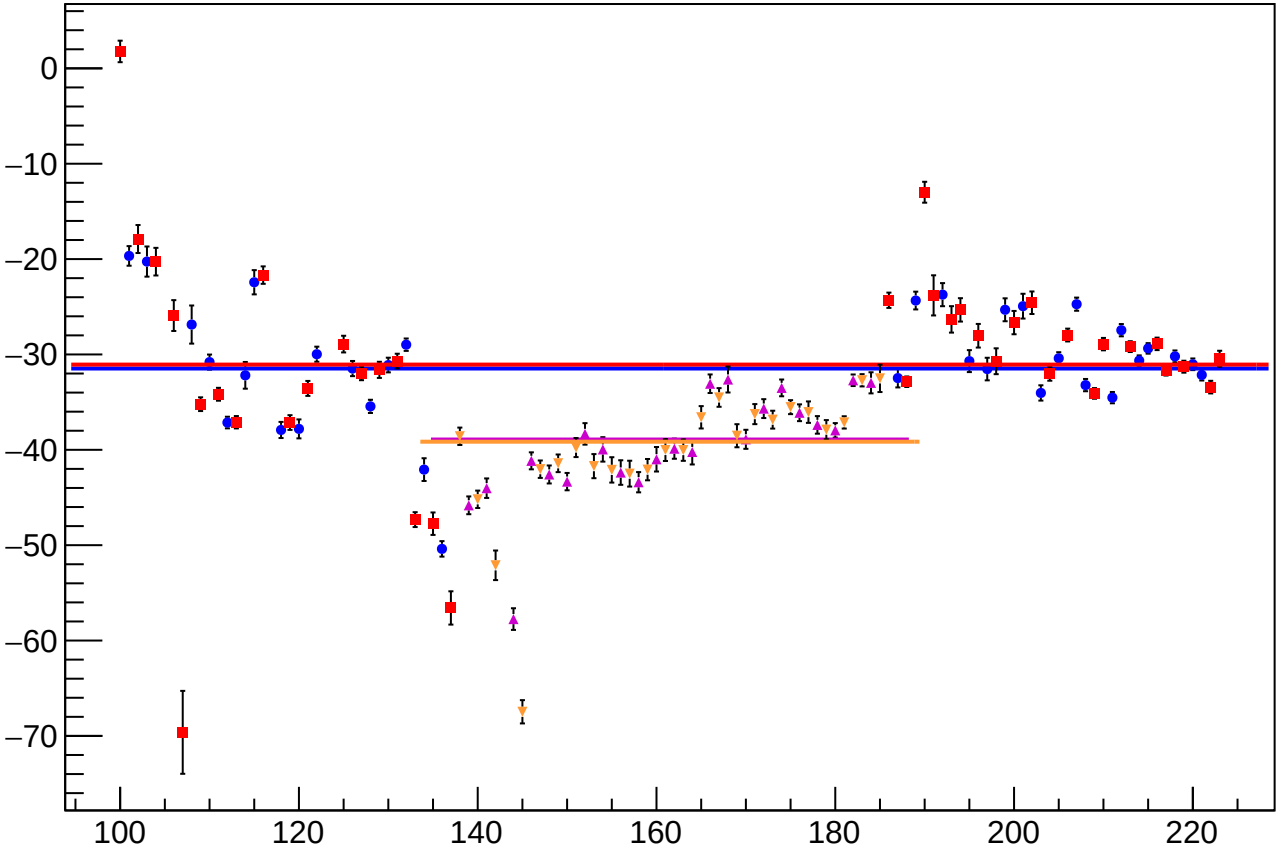
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -19.967+/-0.006 χ^2/NDF: 193078.5/57

All: -20.034+/-0.004 χ^2/NDF: 399895.6/118

- sign -20.100+/-0.006 χ^2/NDF: 206583.2/60

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.475+/-0.135 χ^2/NDF: 1454.1/33

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.064+/-0.133 χ^2/NDF: 2795.8/37

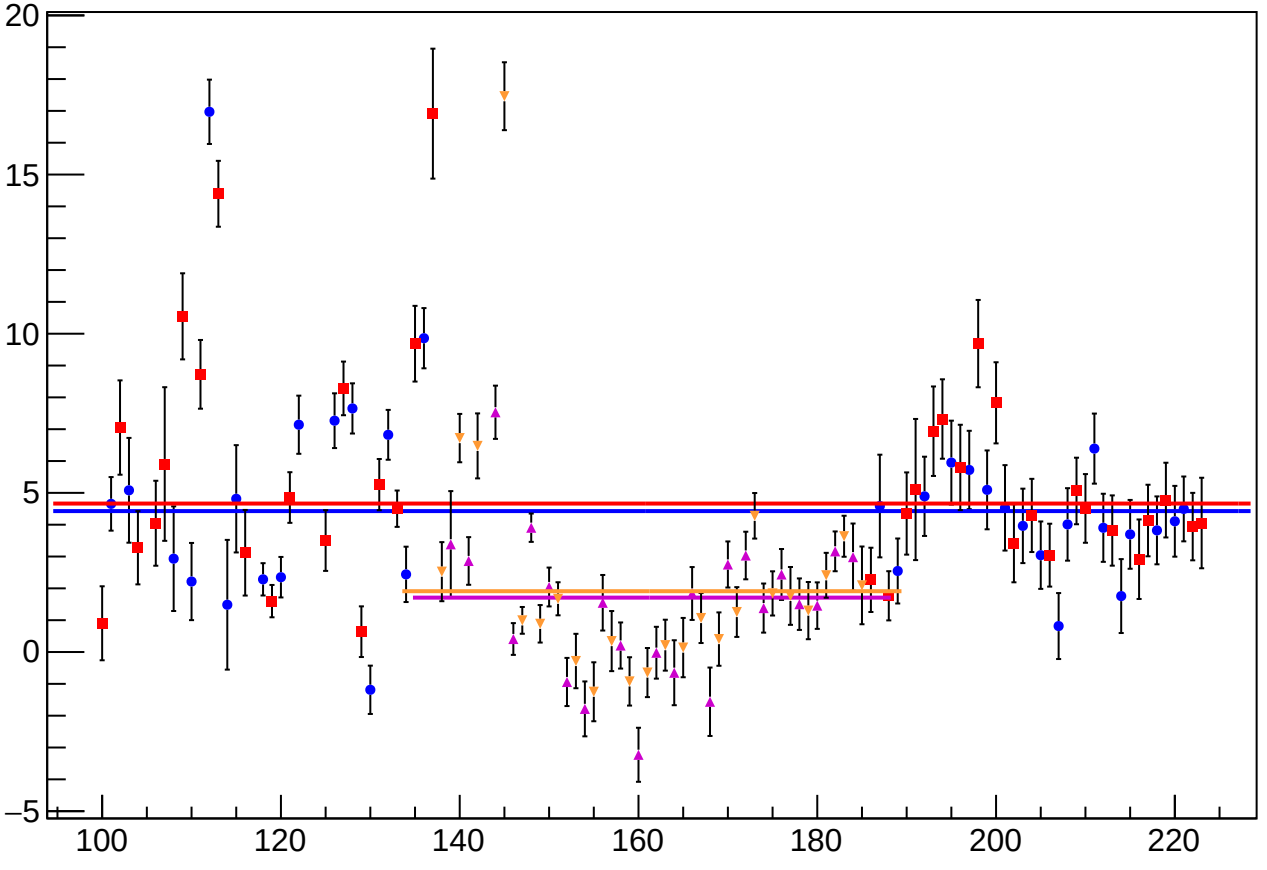
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -33.826+/-0.112 χ^2/NDF: 3349.2/57

All: -33.616+/-0.079 χ^2/NDF: 7879.3/118

- sign -33.409+/-0.111 χ^2/NDF: 4523.1/60

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.427+/-0.170 χ^2/NDF: 357.9/33

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.664+/-0.168 χ^2/NDF: 328.9/37

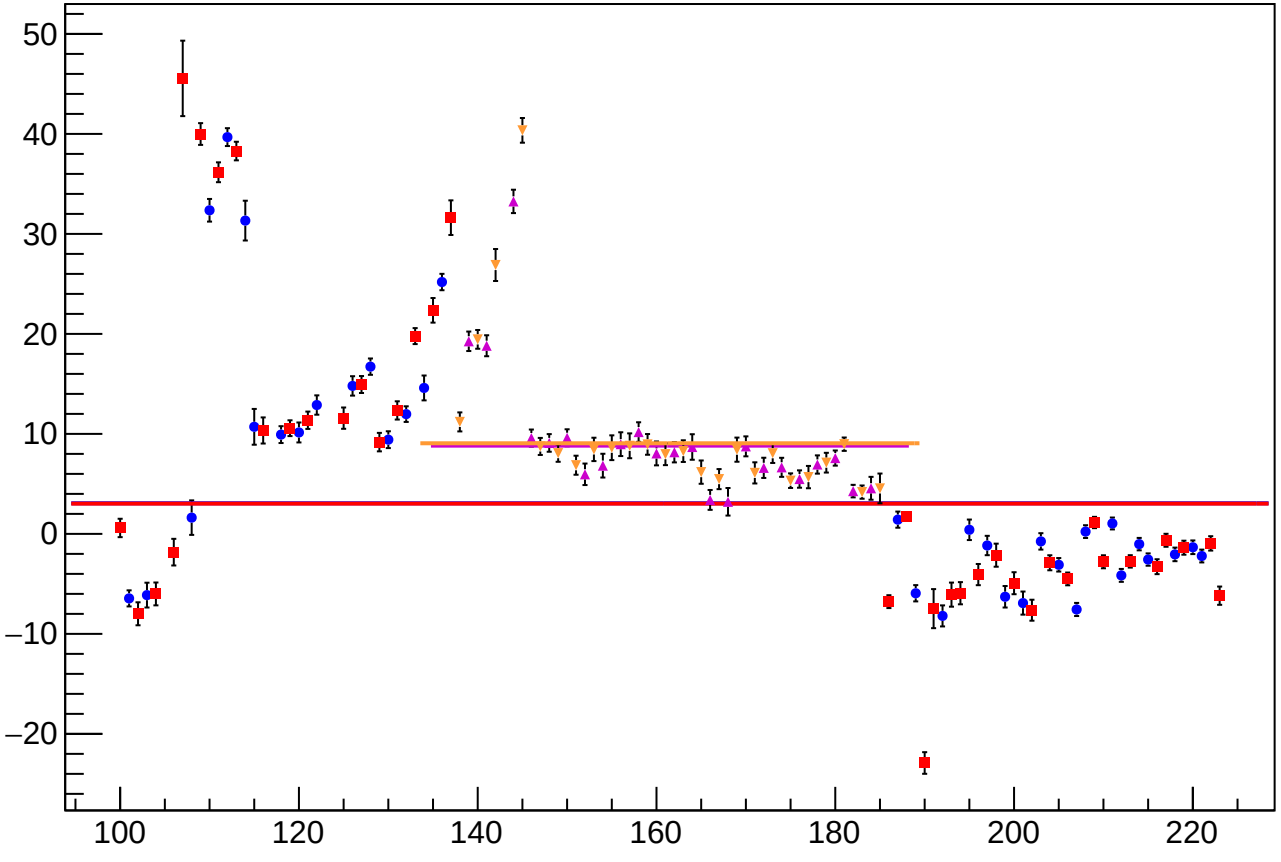
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 3.029+/-0.114 χ^2/NDF: 838.3/57

All: 3.050+/-0.080 χ^2/NDF: 1517.3/118

- sign 3.071+/-0.114 χ^2/NDF: 679.0/60

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 3.060+/-0.142 χ^2/NDF: 5645.9/33

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 3.025+/-0.138 χ^2/NDF: 7434.0/37

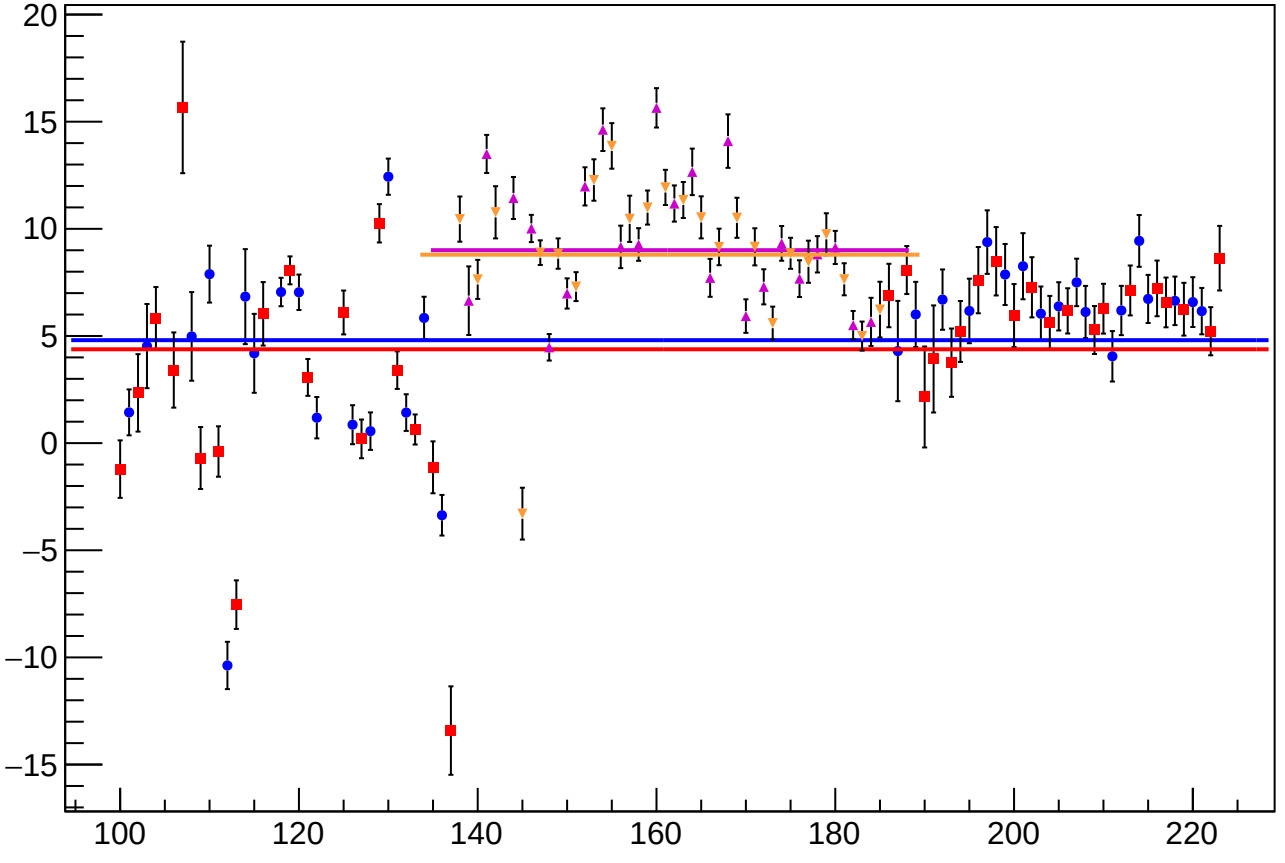
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 5.060+/-0.116 χ^2/NDF: 7274.5/57

All: 4.969+/-0.081 χ^2/NDF: 16072.8/118

- sign 4.881+/-0.114 χ^2/NDF: 8797.1/60

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.804+/-0.194 χ^2/NDF: 511.6/33

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.379+/-0.193 χ^2/NDF: 464.0/37

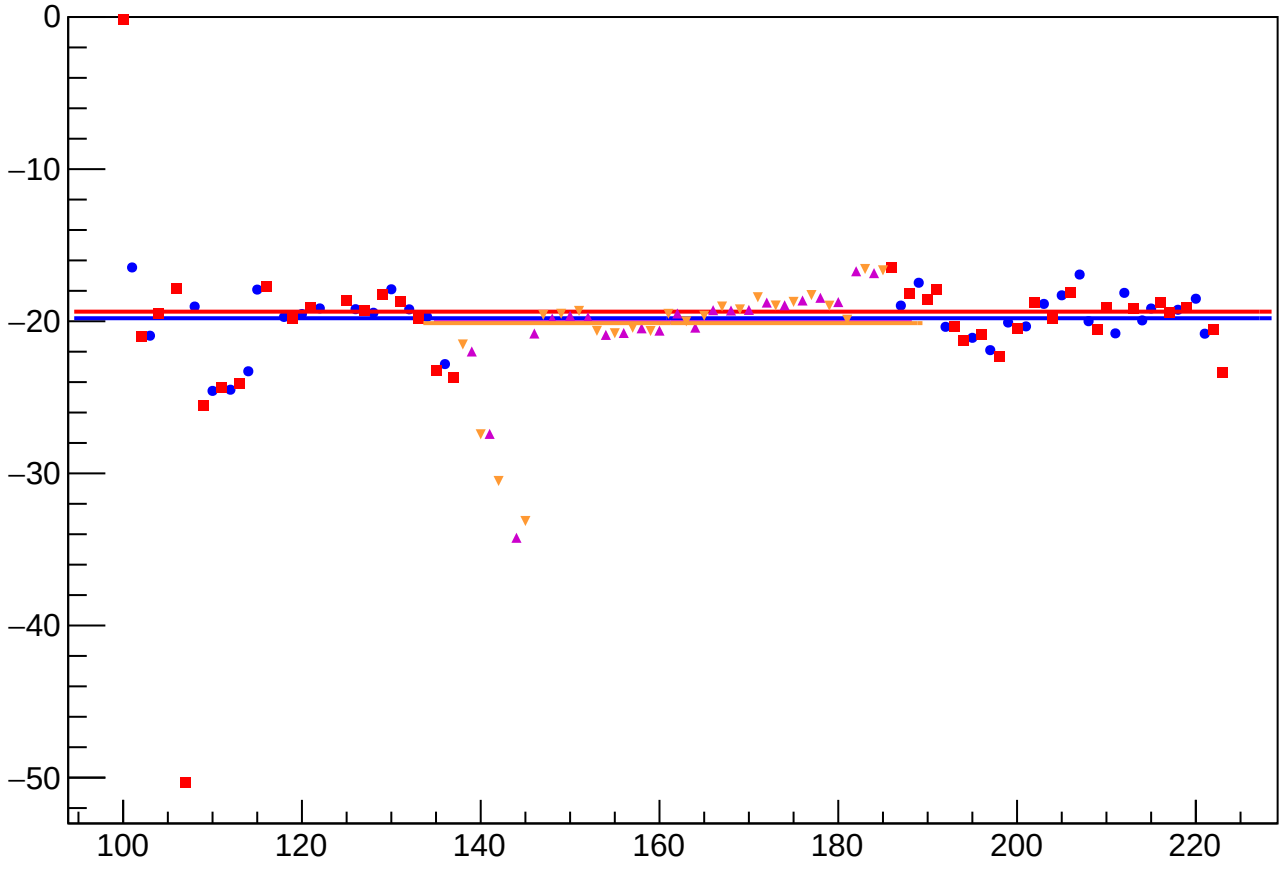
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.014+/-0.129 χ^2/NDF: 990.5/57

All: 6.958+/-0.092 χ^2/NDF: 2058.3/118

- sign 6.902+/-0.130 χ^2/NDF: 1067.4/60

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.802+/-0.010 χ^2/NDF: 33170.6/33

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.368+/-0.010 χ^2/NDF: 250132.7/37

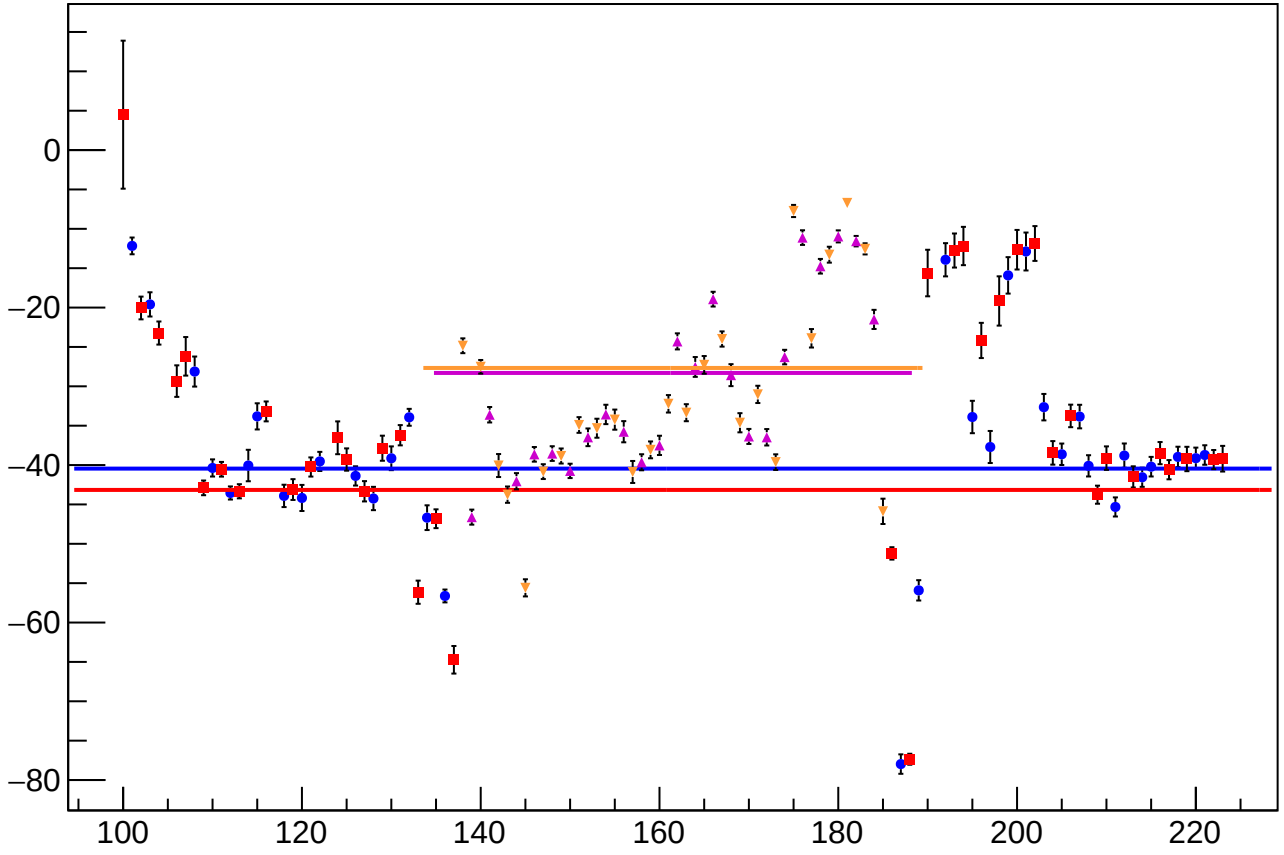
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -19.996+/-0.006 χ^2/NDF: 192400.7/57

All: -19.887+/-0.004 χ^2/NDF: 578963.3/118

- sign -19.781+/-0.006 χ^2/NDF: 385951.2/60

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.451+/-0.231 χ^2/NDF: 2972.5/33

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.158+/-0.219 χ^2/NDF: 4481.3/37

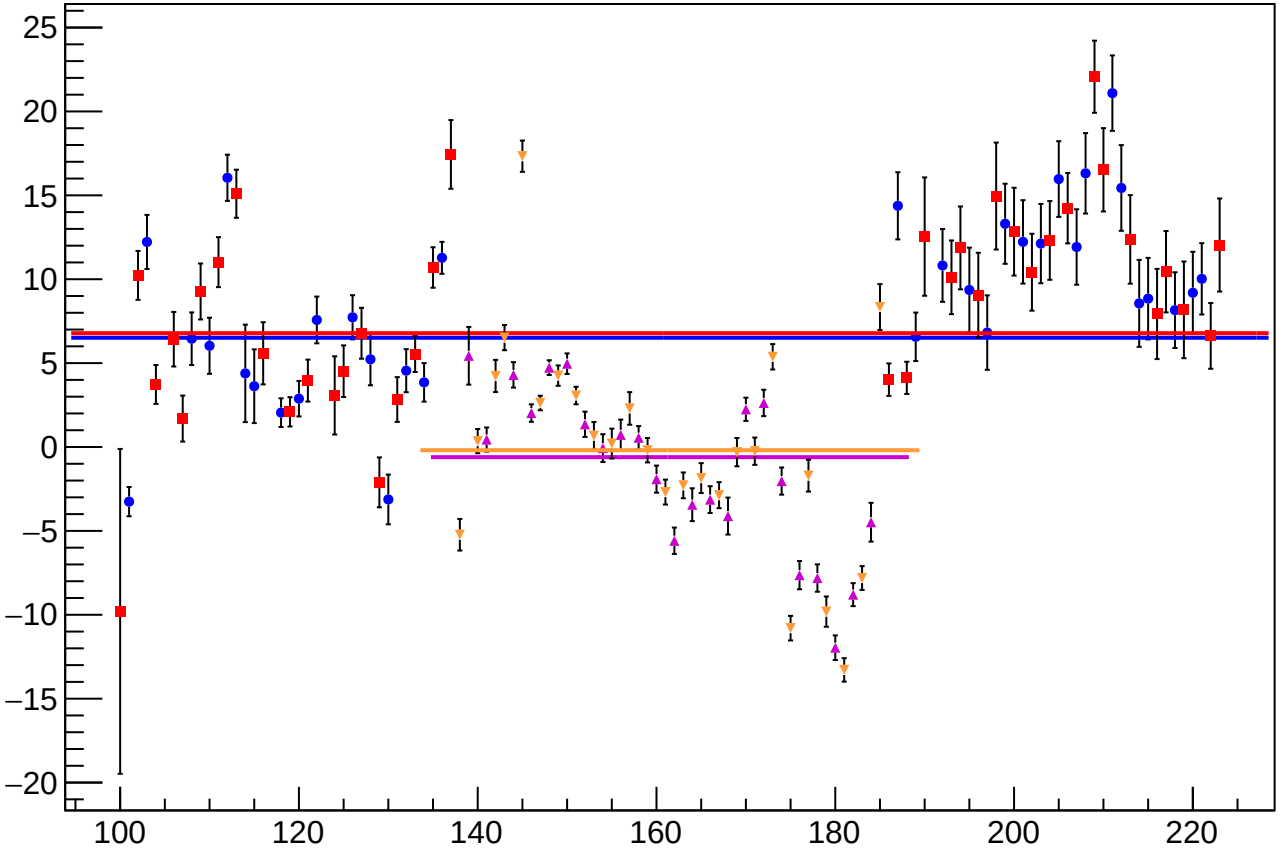
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -33.168+/-0.151 χ^2/NDF: 9119.0/58

All: -34.222+/-0.107 χ^2/NDF: 19410.5/119

- sign -35.259+/-0.150 χ^2/NDF: 10195.3/60

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.511+/-0.271 χ^2/NDF: 445.1/33

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.783+/-0.263 χ^2/NDF: 331.1/37

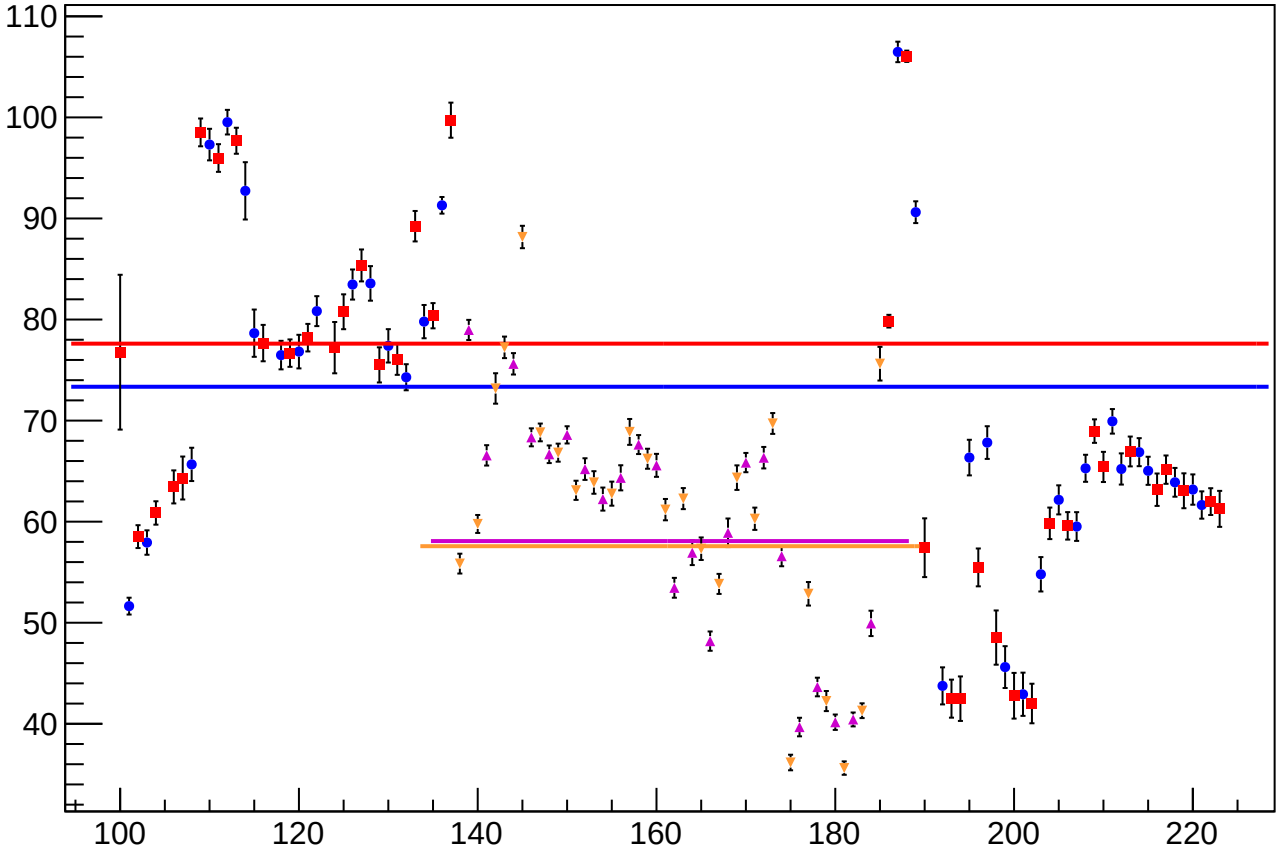
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.385+/-0.131 χ^2/NDF: 2459.7/58

All: 1.346+/-0.094 χ^2/NDF: 4351.8/119

- sign 1.305+/-0.134 χ^2/NDF: 1891.9/60

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 73.349+/-0.238 χ^2/NDF: 4790.6/33

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 77.614+/-0.222 χ^2/NDF: 6535.5/37

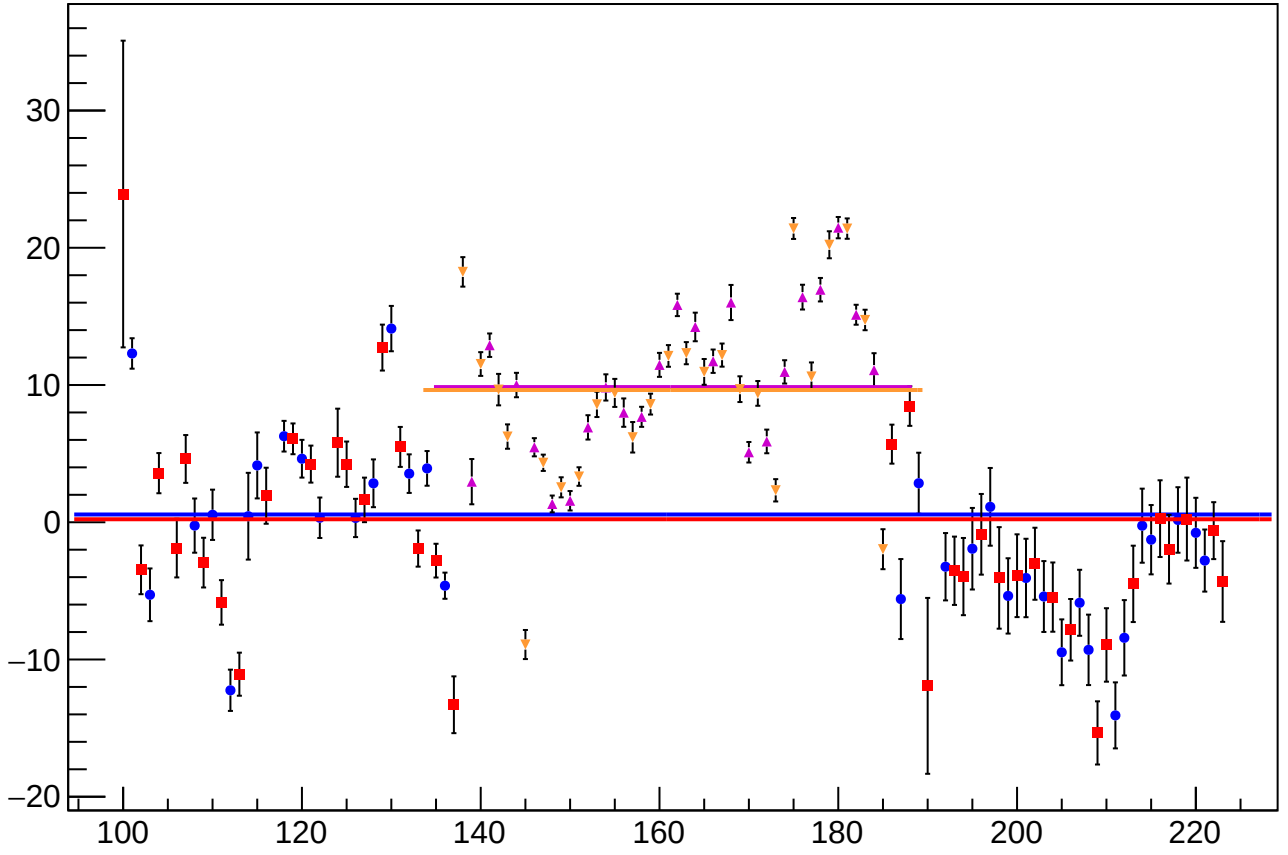
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

\+ sign 64.052+/-0.153 χ^2/NDF: 12057.7/58

All: 65.540+/-0.107 χ^2/NDF: 26537.4/119

\- sign 66.978+/-0.150 χ^2/NDF: 14293.0/60

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.565+/-0.311 χ^2/NDF: 452.7/33

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.218+/-0.308 χ^2/NDF: 401.0/37

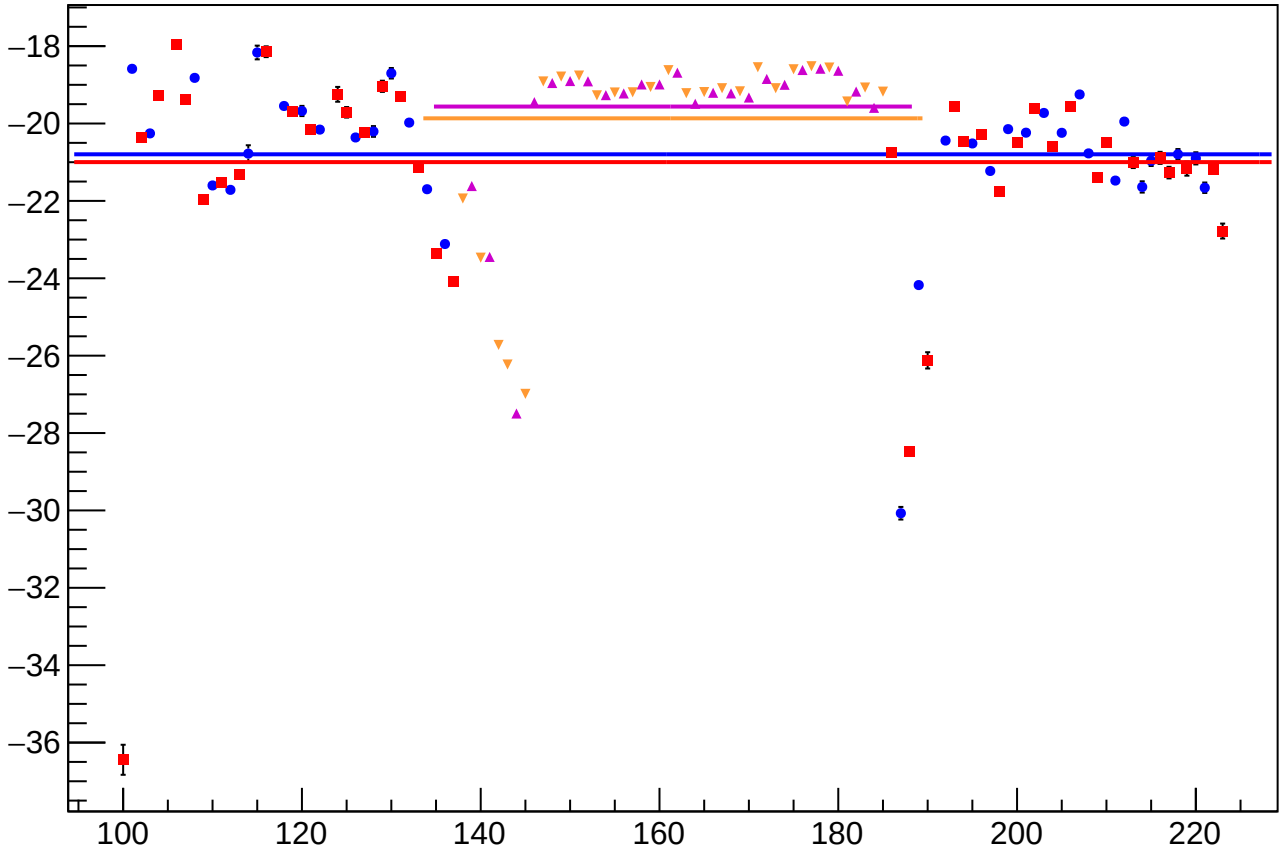
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.523+/-0.150 χ^2/NDF: 2596.8/58

All: 7.500+/-0.107 χ^2/NDF: 4725.8/119

- sign 7.477+/-0.153 χ^2/NDF: 2129.0/60

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.796+/-0.015 χ^2/NDF: 12696.4/33

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.997+/-0.015 χ^2/NDF: 20795.2/37

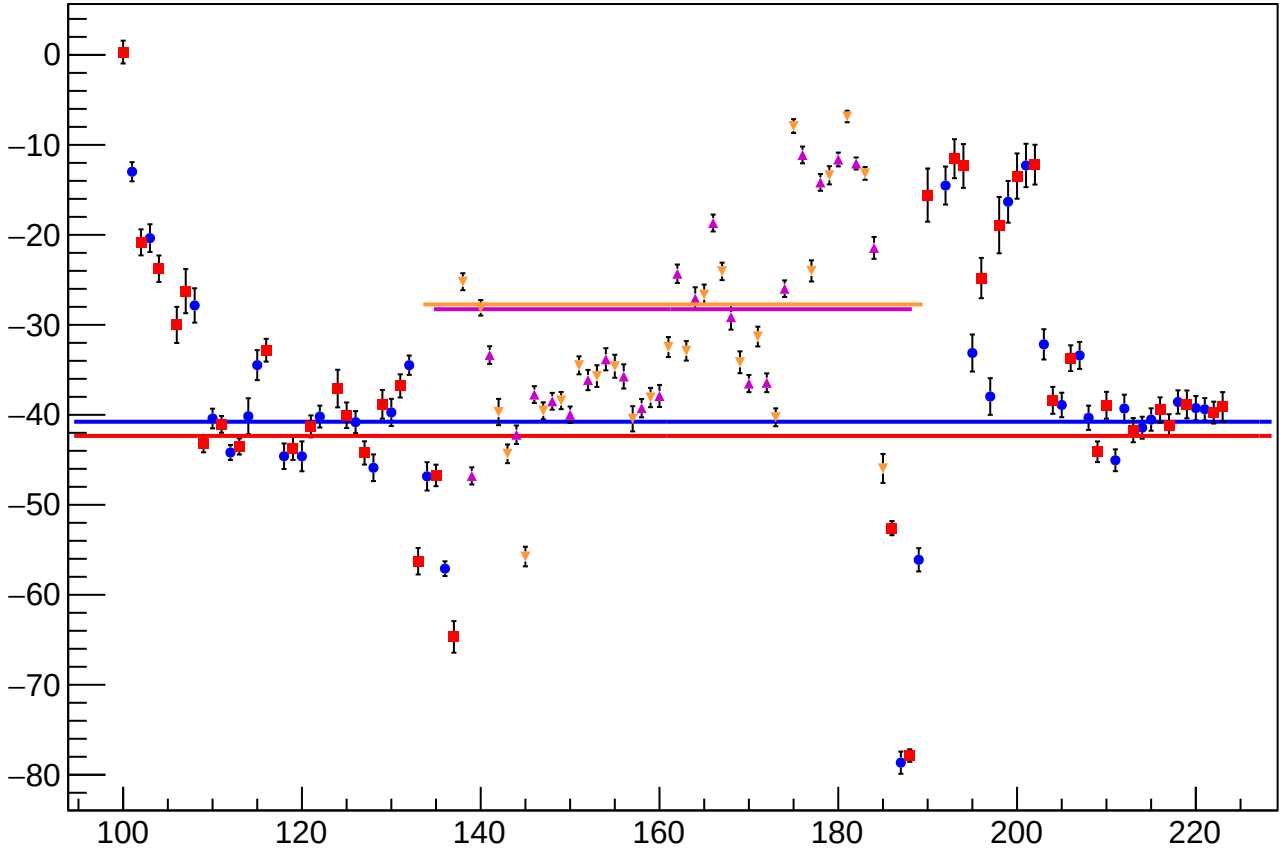
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.061+/-0.007 χ^2/NDF: 94515.6/58

All: -19.963+/-0.005 χ^2/NDF: 167716.3/119

- sign -19.863+/-0.007 χ^2/NDF: 72805.9/60

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.766+/-0.231 χ^2/NDF: 2977.8/33

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.342+/-0.216 χ^2/NDF: 5666.7/37

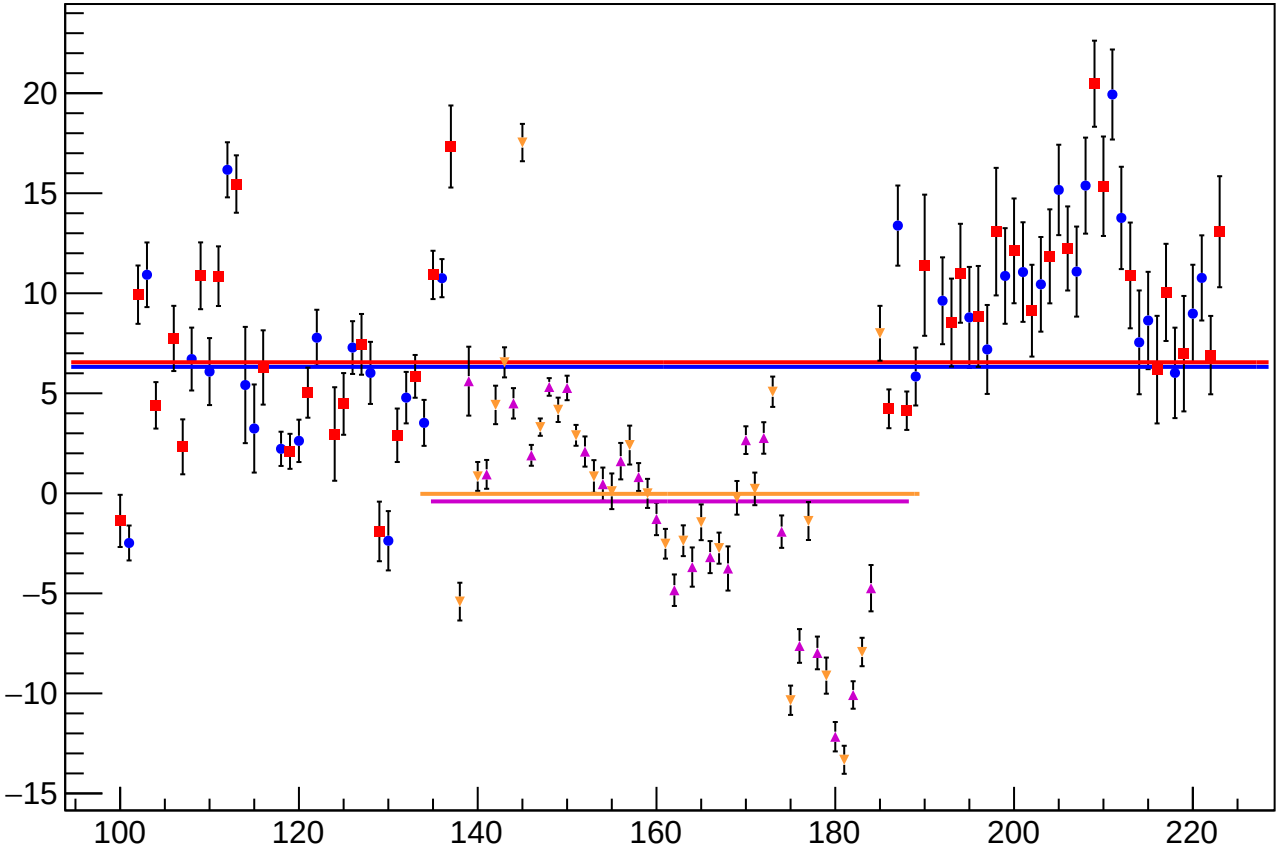
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -33.340+/-0.152 χ^2/NDF: 9092.5/58

All: -34.162+/-0.106 χ^2/NDF: 20209.5/119

- sign -34.960+/-0.149 χ^2/NDF: 11059.0/60

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.321+/-0.271 χ^2/NDF: 375.4/33

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.551+/-0.258 χ^2/NDF: 328.1/37

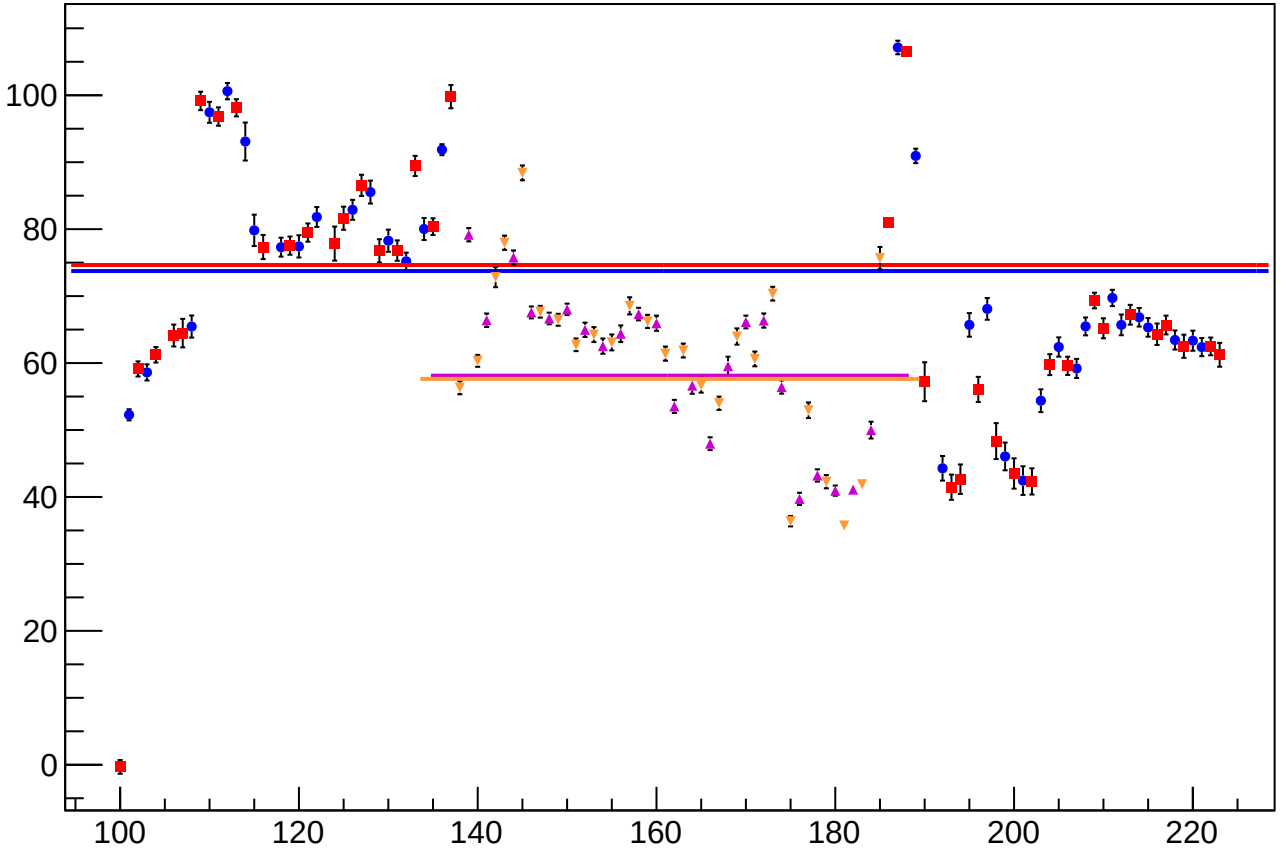
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.467+/-0.131 χ^2/NDF: 2326.7/58

All: 1.458+/-0.094 χ^2/NDF: 4272.0/119

- sign 1.448+/-0.133 χ^2/NDF: 1945.3/60

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 73.746+/-0.239 χ^2/NDF: 4868.3/33

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 74.643+/-0.218 χ^2/NDF: 12114.2/37

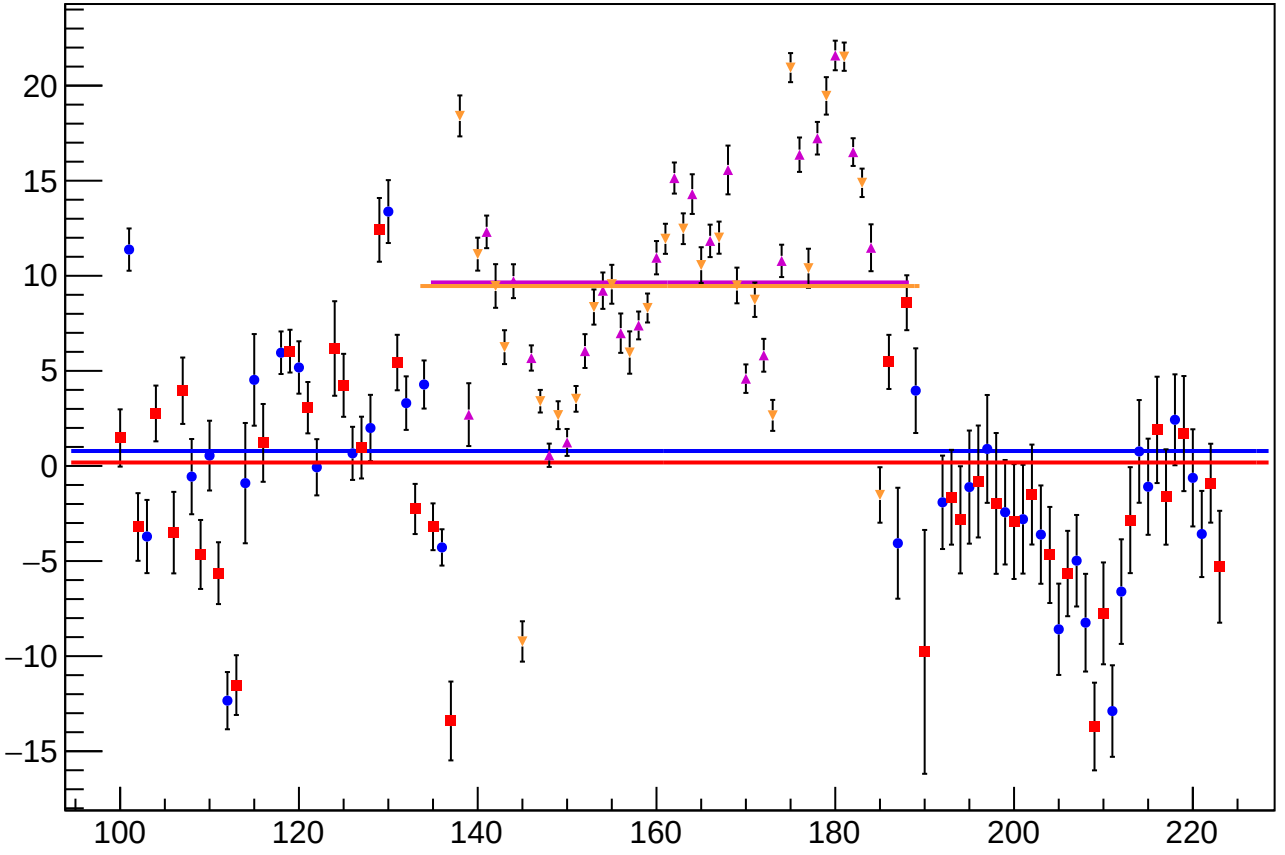
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.254+/-0.153 χ^2/NDF: 12165.0/58

All: 65.065+/-0.107 χ^2/NDF: 30846.6/119

- sign 65.833+/-0.149 χ^2/NDF: 18626.8/60

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 0.786+/-0.311 χ^2/NDF: 395.0/33

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.182+/-0.303 χ^2/NDF: 369.9/37

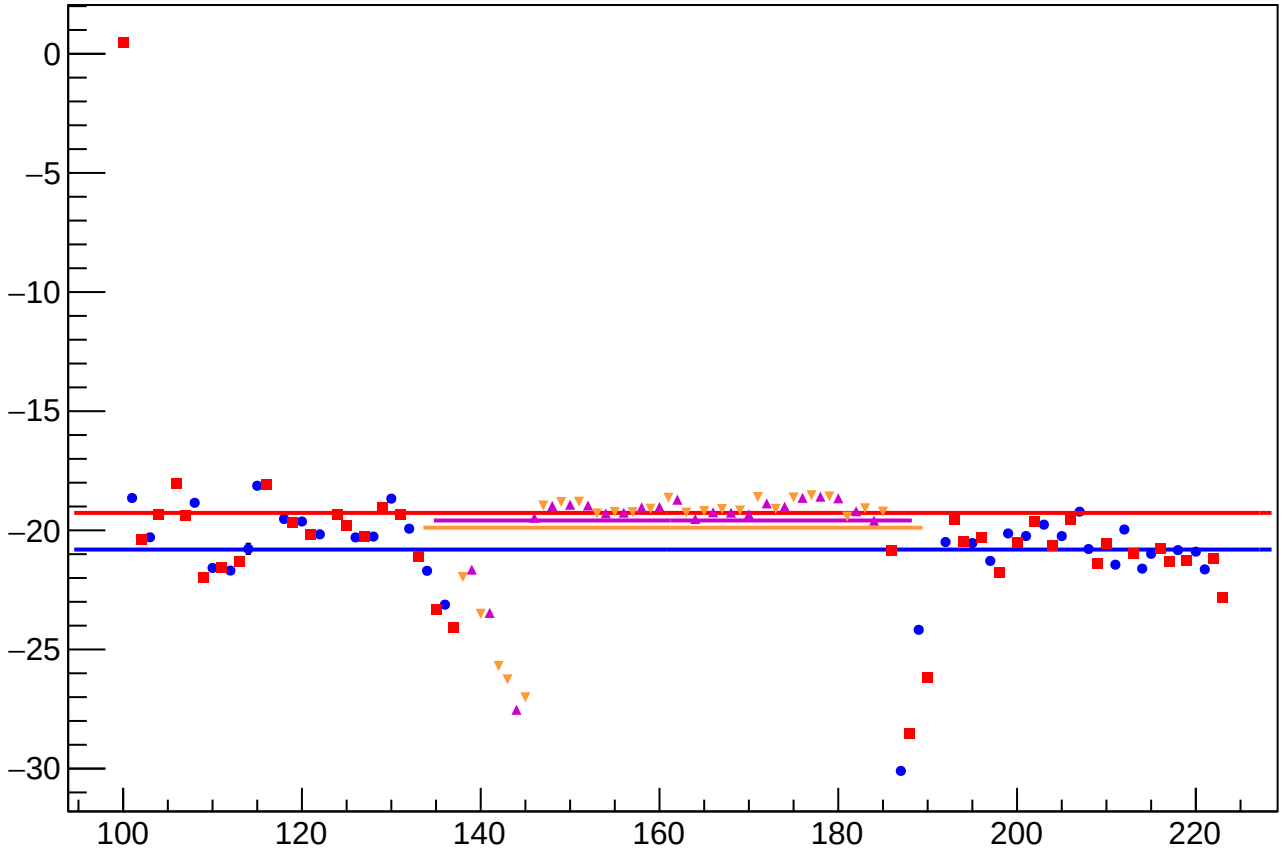
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.440+/-0.150 χ^2/NDF: 2473.2/58

All: 7.344+/-0.107 χ^2/NDF: 4652.5/119

- sign 7.245+/-0.153 χ^2/NDF: 2178.5/60

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.807+/-0.015 χ^2/NDF: 12574.2/33

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.268+/-0.015 χ^2/NDF: 173644.9/37

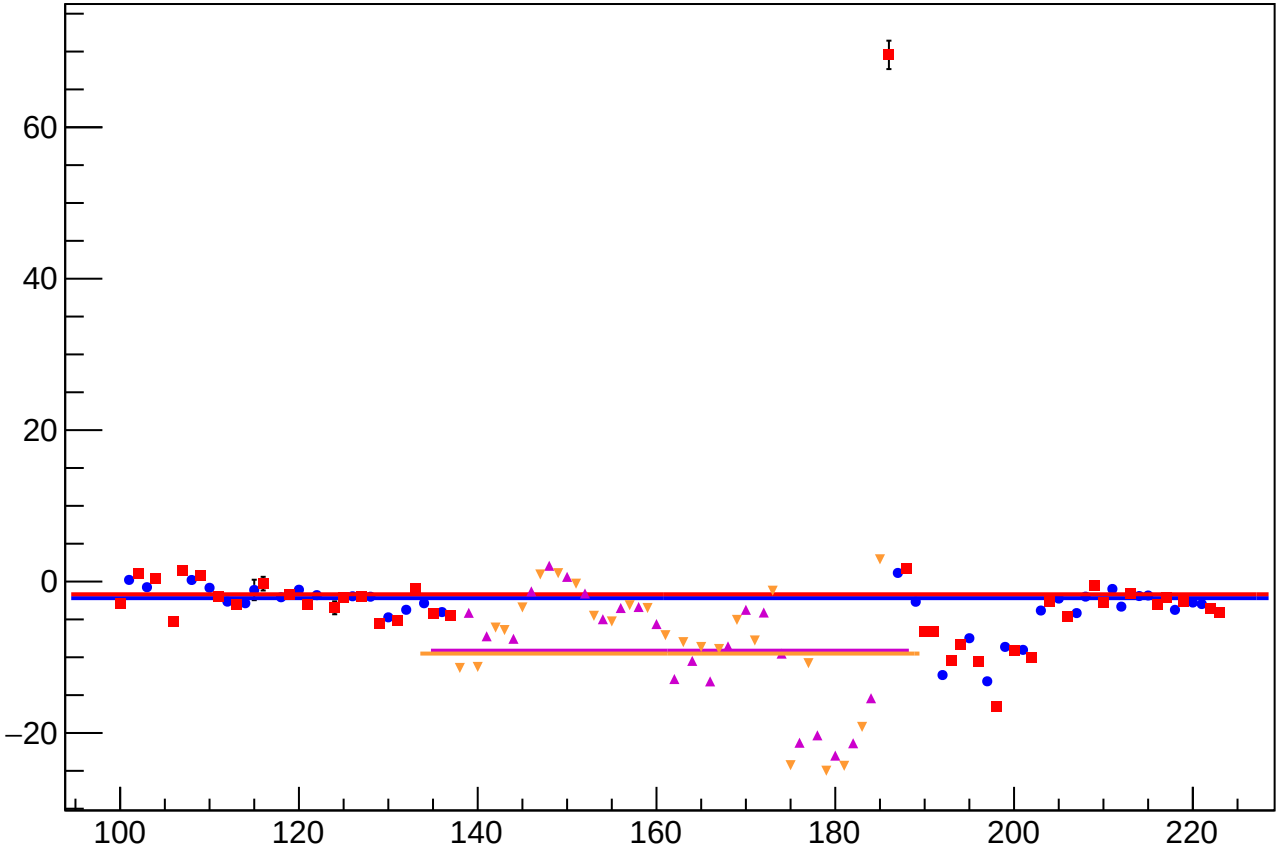
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.081+/-0.007 χ^2/NDF: 93931.2/58

All: -19.799+/-0.005 χ^2/NDF: 316276.2/119

- sign -19.515+/-0.007 χ^2/NDF: 219087.7/60

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.191+/-0.046 χ^2/NDF: 3404.1/33

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.679+/-0.043 χ^2/NDF: 7070.4/38

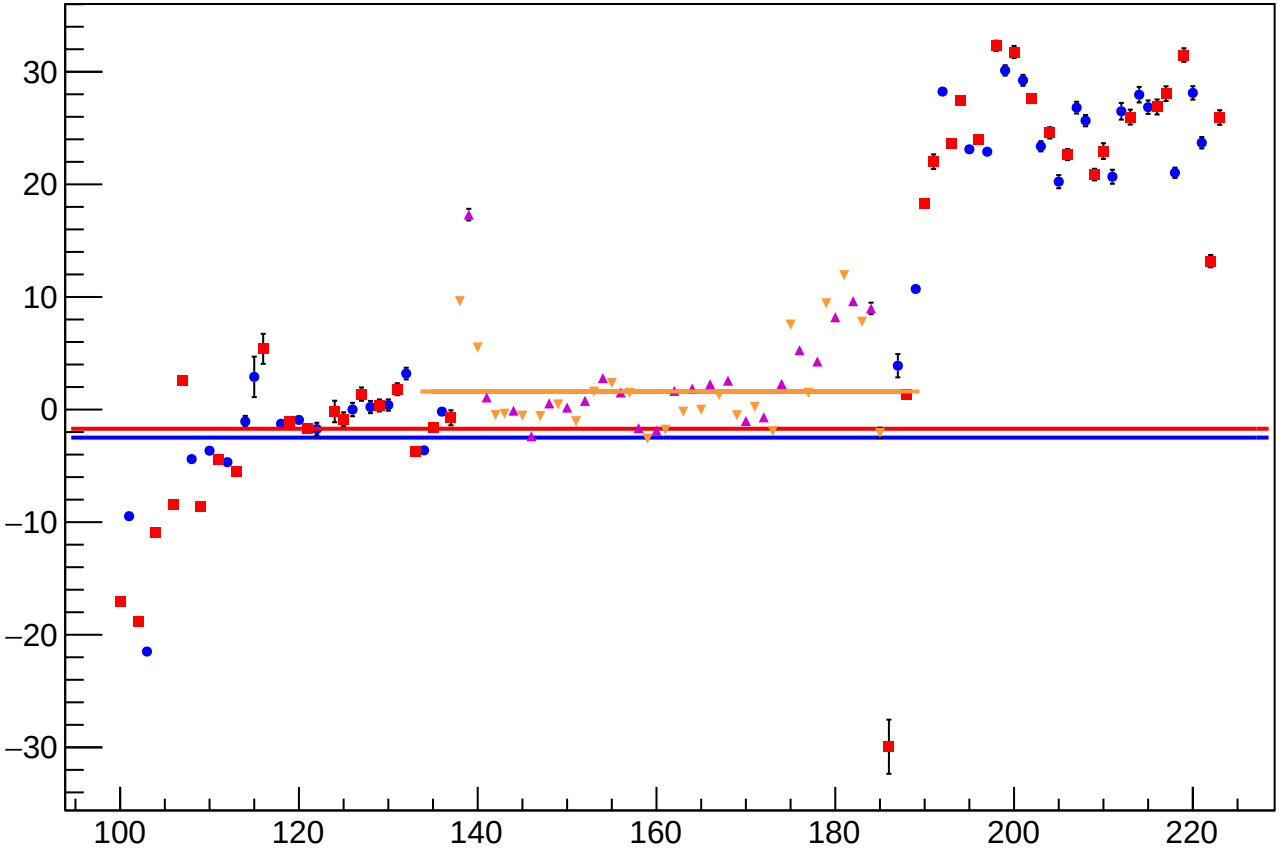
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.257+/-0.039 χ^2/NDF: 23612.0/58

All: -3.867+/-0.027 χ^2/NDF: 48762.6/120

- sign -3.508+/-0.037 χ^2/NDF: 24954.8/61

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -2.491+/-0.051 χ^2/NDF: 77347.0/33

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -1.704+/-0.051 χ^2/NDF: 78368.7/38

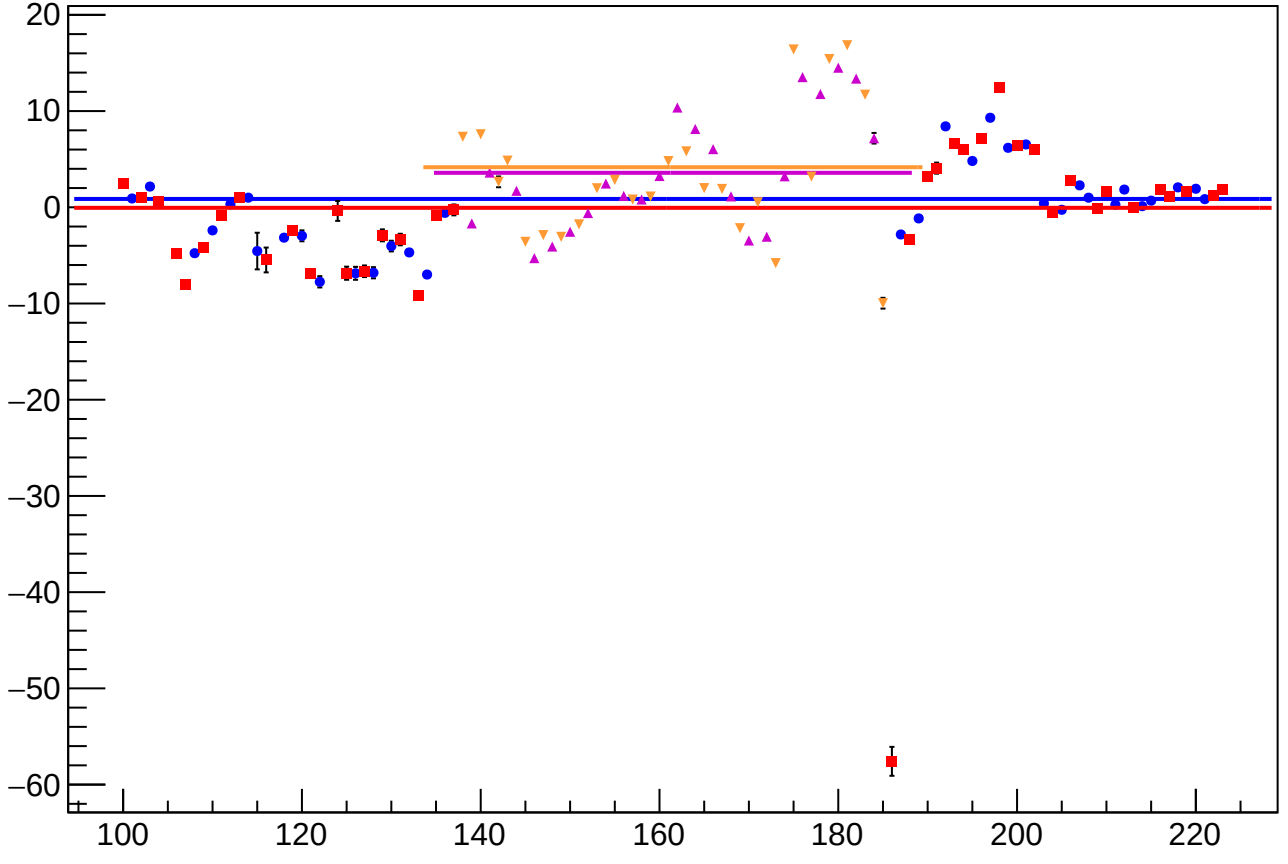
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -0.594+/-0.038 χ^2/NDF: 84984.6/58

All: -0.429+/-0.027 χ^2/NDF: 168902.5/120

- sign -0.259+/-0.038 χ^2/NDF: 83878.6/61

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.868+/-0.044 χ^2/NDF: 4208.5/33

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.054+/-0.043 χ^2/NDF: 8320.9/38

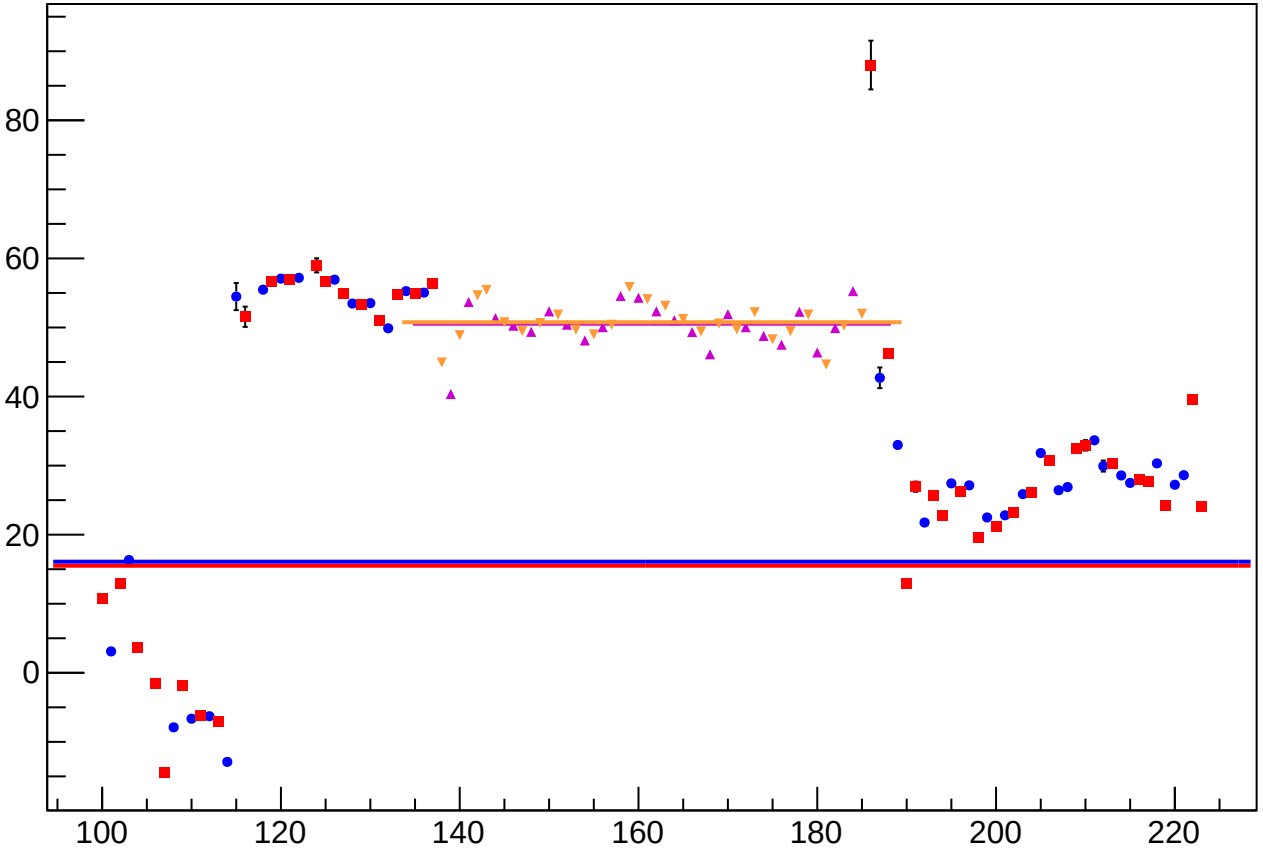
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.776+/-0.038 χ^2/NDF: 14972.3/58

All: 1.322+/-0.027 χ^2/NDF: 32607.2/120

- sign 0.877+/-0.037 χ^2/NDF: 17349.8/61

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 16.087+/-0.060 χ^2/NDF: 118367.7/33

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 15.503+/-0.060 χ^2/NDF: 135668.1/38

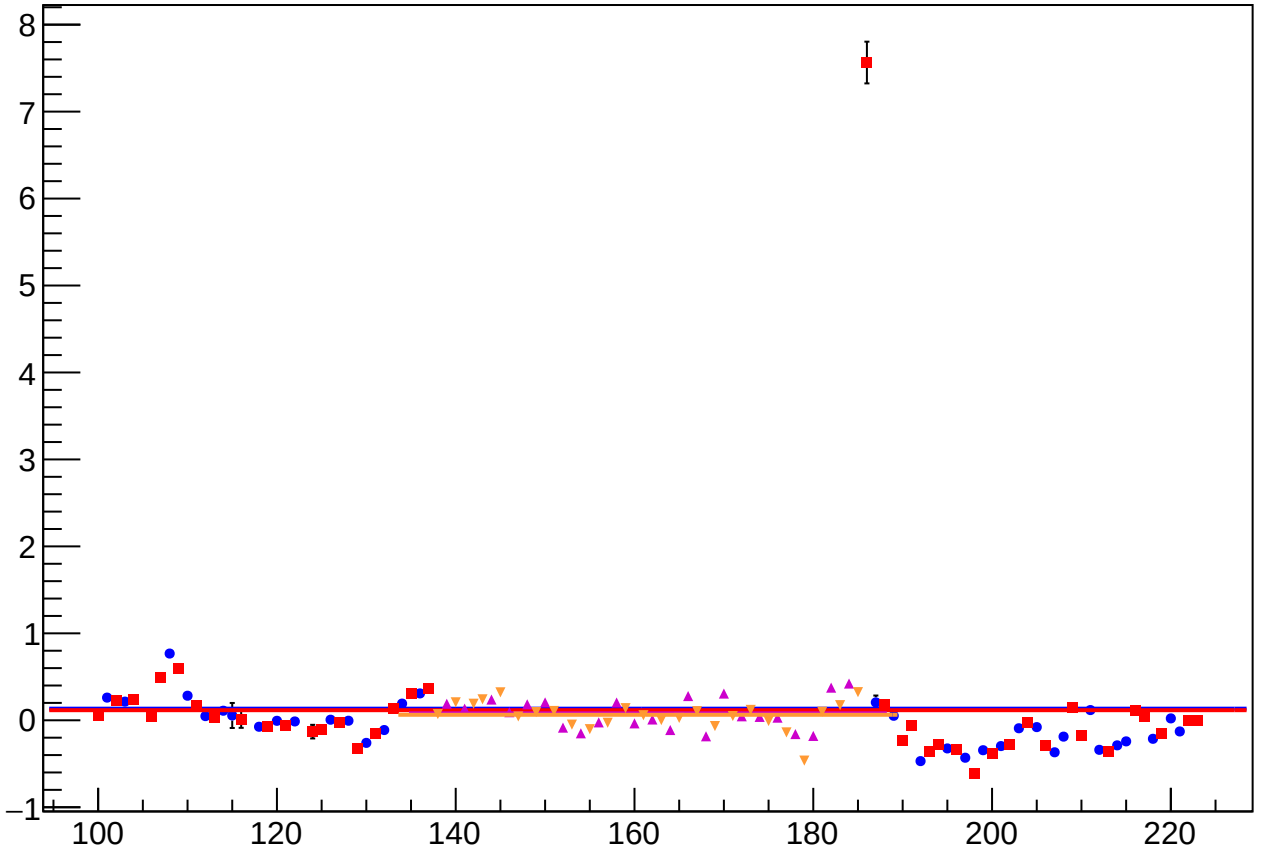
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 32.867+/-0.043 χ^2/NDF: 279263.7/58

All: 32.268+/-0.031 χ^2/NDF: 574911.2/120

- sign 31.653+/-0.044 χ^2/NDF: 295261.4/61

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.134+/-0.002 χ^2/NDF: 14165.9/33

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.116+/-0.002 χ^2/NDF: 13278.7/38

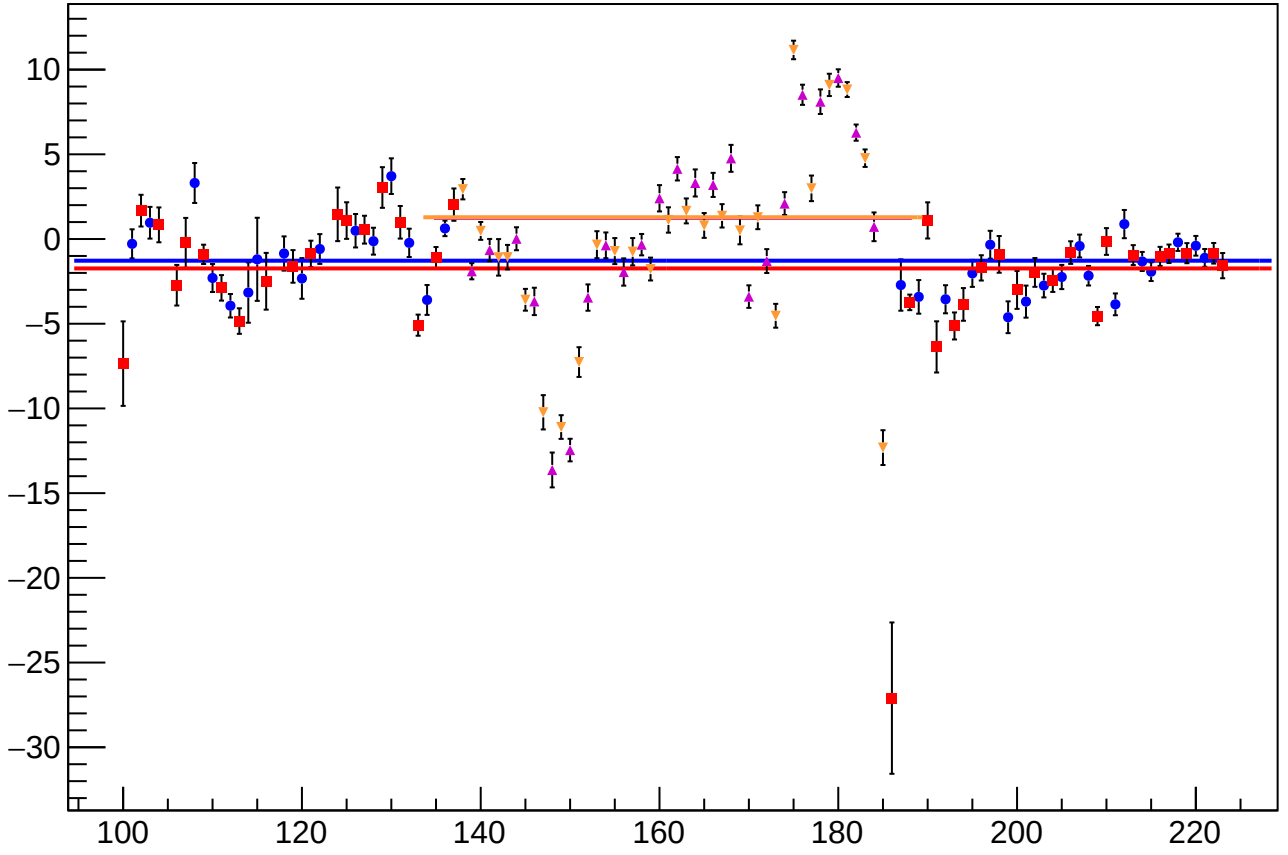
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.103+/-0.002 χ^2/NDF: 17092.9/58

All: 0.102+/-0.001 χ^2/NDF: 33917.4/120

- sign 0.101+/-0.002 χ^2/NDF: 16823.9/61

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.280+/-0.130 χ^2/NDF: 170.5/33

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.736+/-0.125 χ^2/NDF: 274.7/38

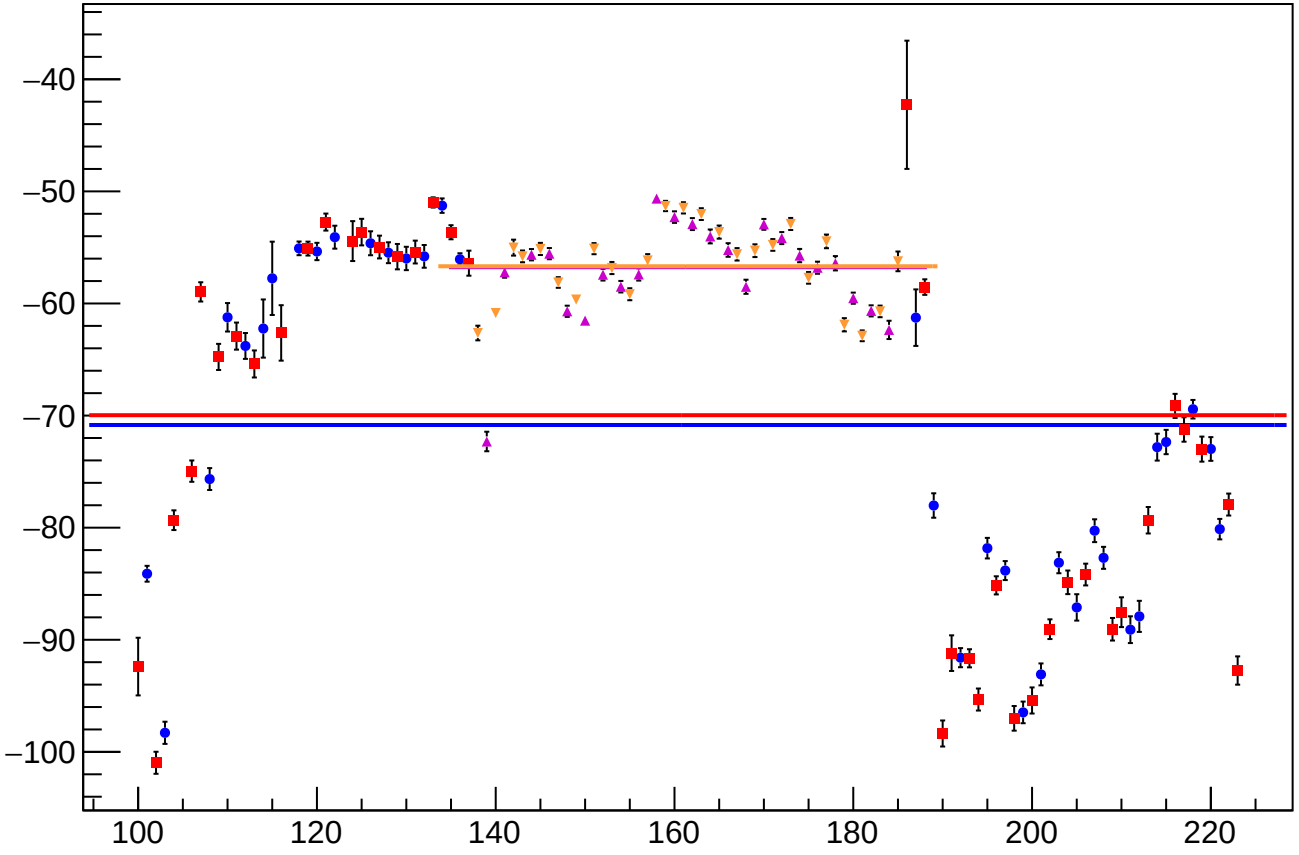
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign -0.067+/-0.094 χ^2/NDF: 2070.5/58

All: -0.242+/-0.066 χ^2/NDF: 4115.6/120

- sign -0.414+/-0.094 χ^2/NDF: 2038.3/61

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.840+/-0.162 χ^2/NDF: 8569.6/33

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.966+/-0.154 χ^2/NDF: 11715.3/38

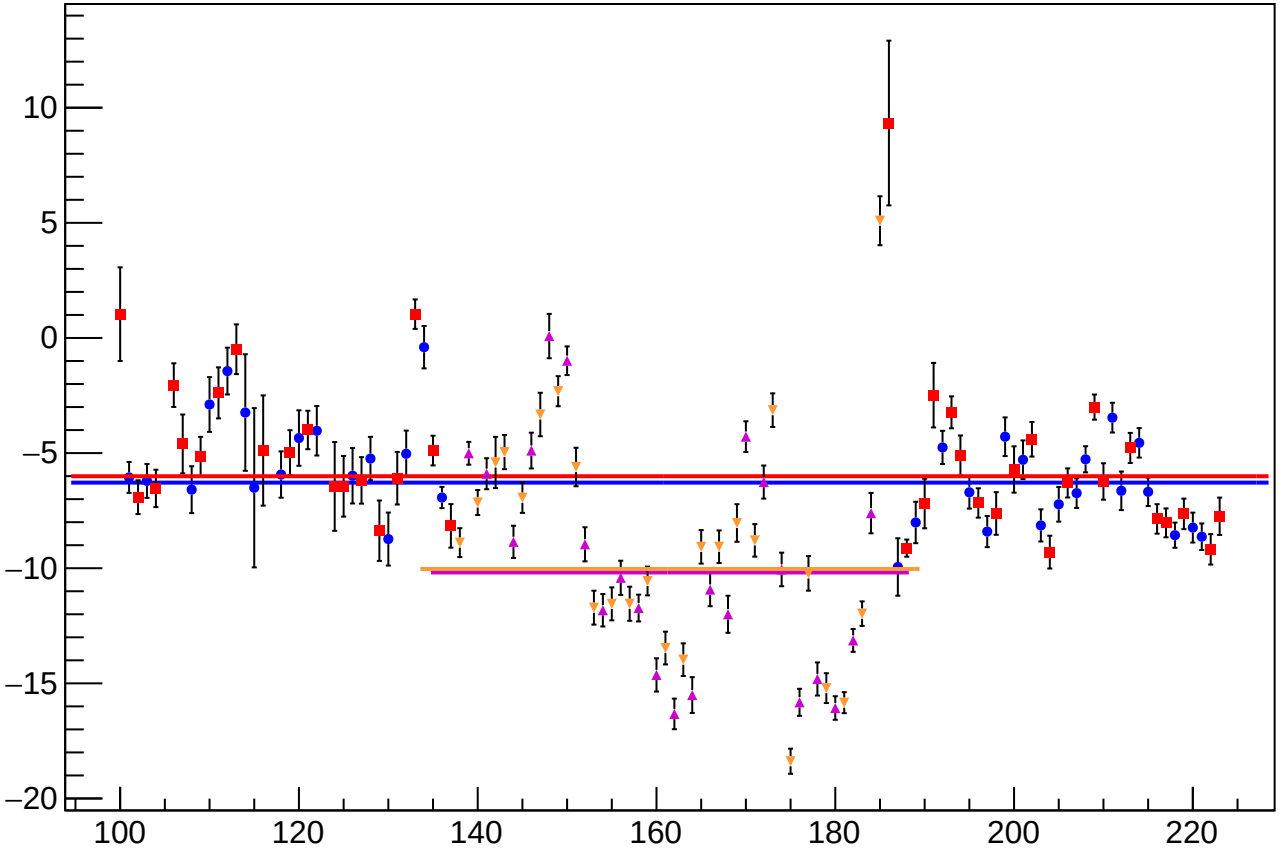
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.993+/-0.089 χ^2/NDF: 14897.3/58

All: -61.155+/-0.064 χ^2/NDF: 32526.2/120

- sign -61.321+/-0.091 χ^2/NDF: 17622.3/61

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.282+/-0.133 χ^2/NDF: 206.4/33

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -6.005+/-0.128 χ^2/NDF: 442.6/38

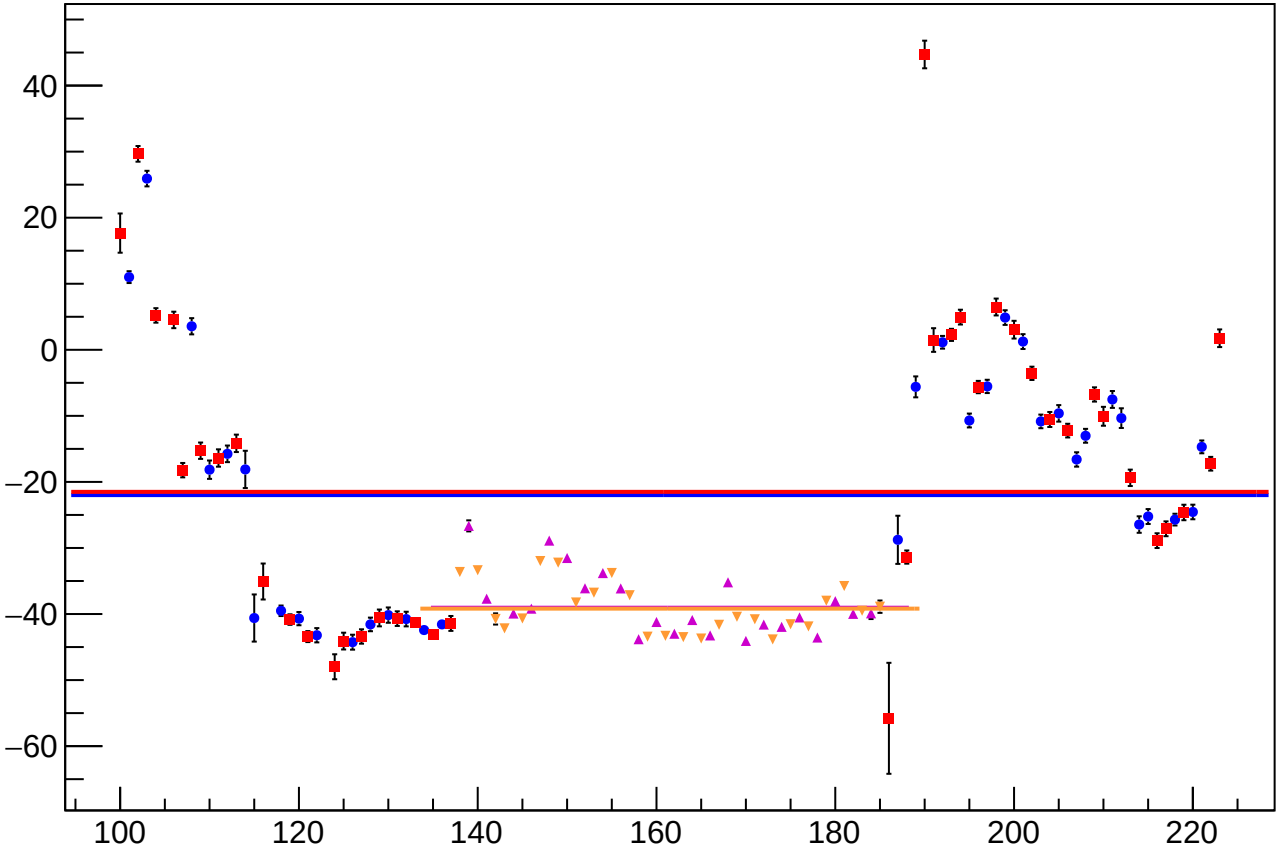
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.111+/-0.095 χ^2/NDF: 1777.7/58

All: -8.011+/-0.067 χ^2/NDF: 3855.3/120

- sign -7.914+/-0.094 χ^2/NDF: 2075.4/61

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -21.998+/-0.182 χ^2/NDF: 10814.6/33

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.503+/-0.177 χ^2/NDF: 13342.5/38

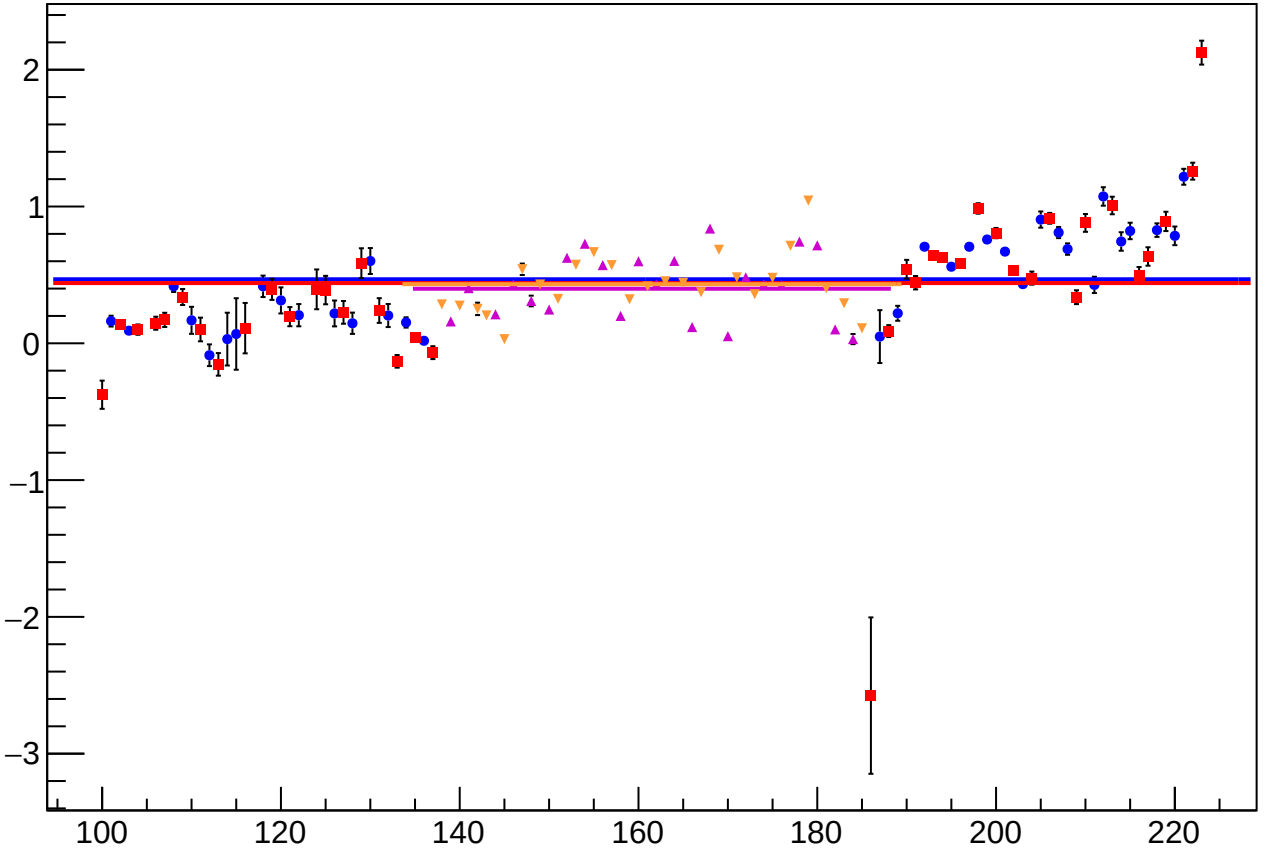
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

\+ sign -33.988+/-0.100 χ^2/NDF: 18047.7/58

All: -33.619+/-0.071 χ^2/NDF: 39240.1/120

\- sign -33.239+/-0.102 χ^2/NDF: 21164.8/61

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.468+/-0.008 χ^2/NDF: 1631.9/33

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.440+/-0.008 χ^2/NDF: 2301.5/38

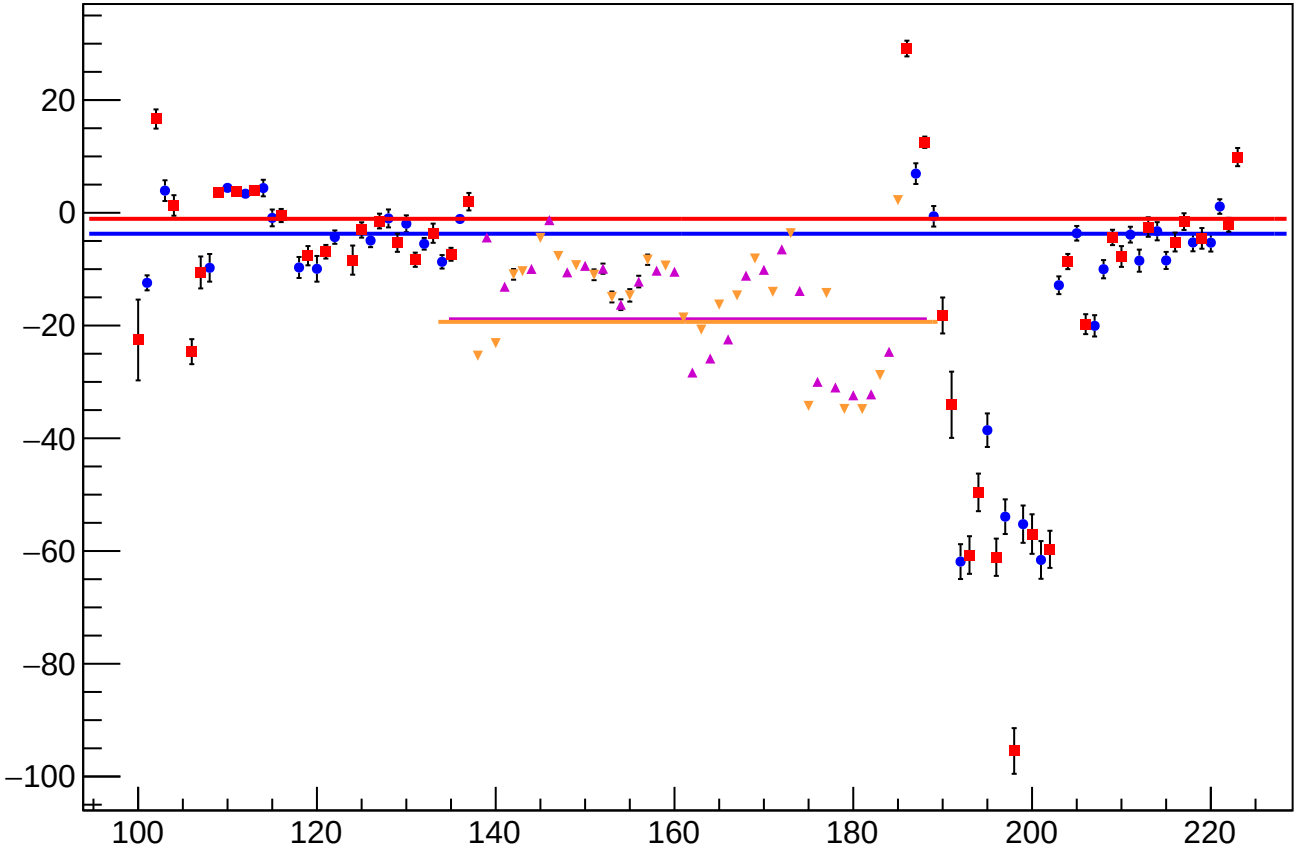
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.443+/-0.004 χ^2/NDF: 3014.7/58

All: 0.428+/-0.003 χ^2/NDF: 7284.5/120

- sign 0.412+/-0.004 χ^2/NDF: 4244.7/61

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.716+/-0.233 χ^2/NDF: 1910.3/33

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.068+/-0.221 χ^2/NDF: 3450.9/38

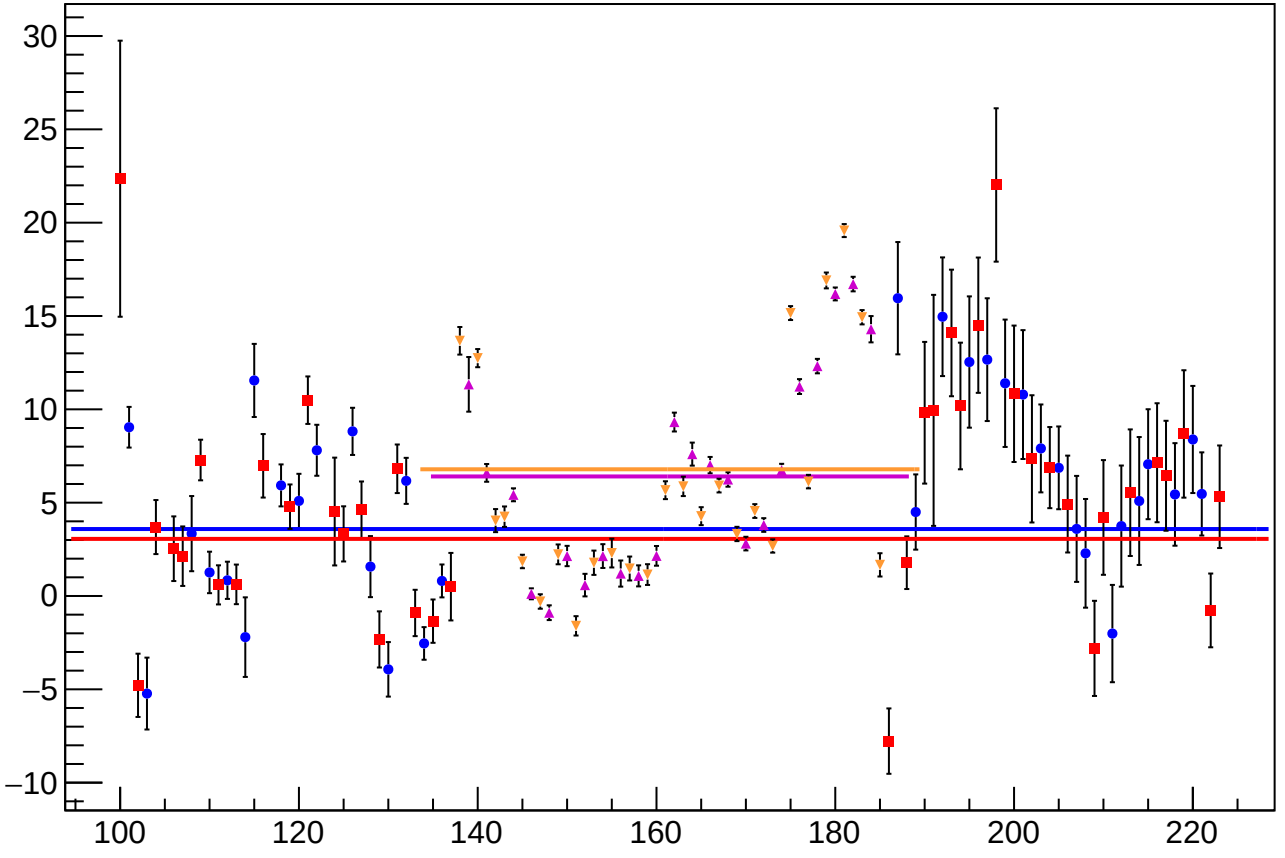
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.349+/-0.102 χ^2/NDF: 15951.0/58

All: -15.704+/-0.072 χ^2/NDF: 32867.0/120

- sign -15.046+/-0.103 χ^2/NDF: 16834.9/61

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.587+/-0.283 χ^2/NDF: 275.0/33

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

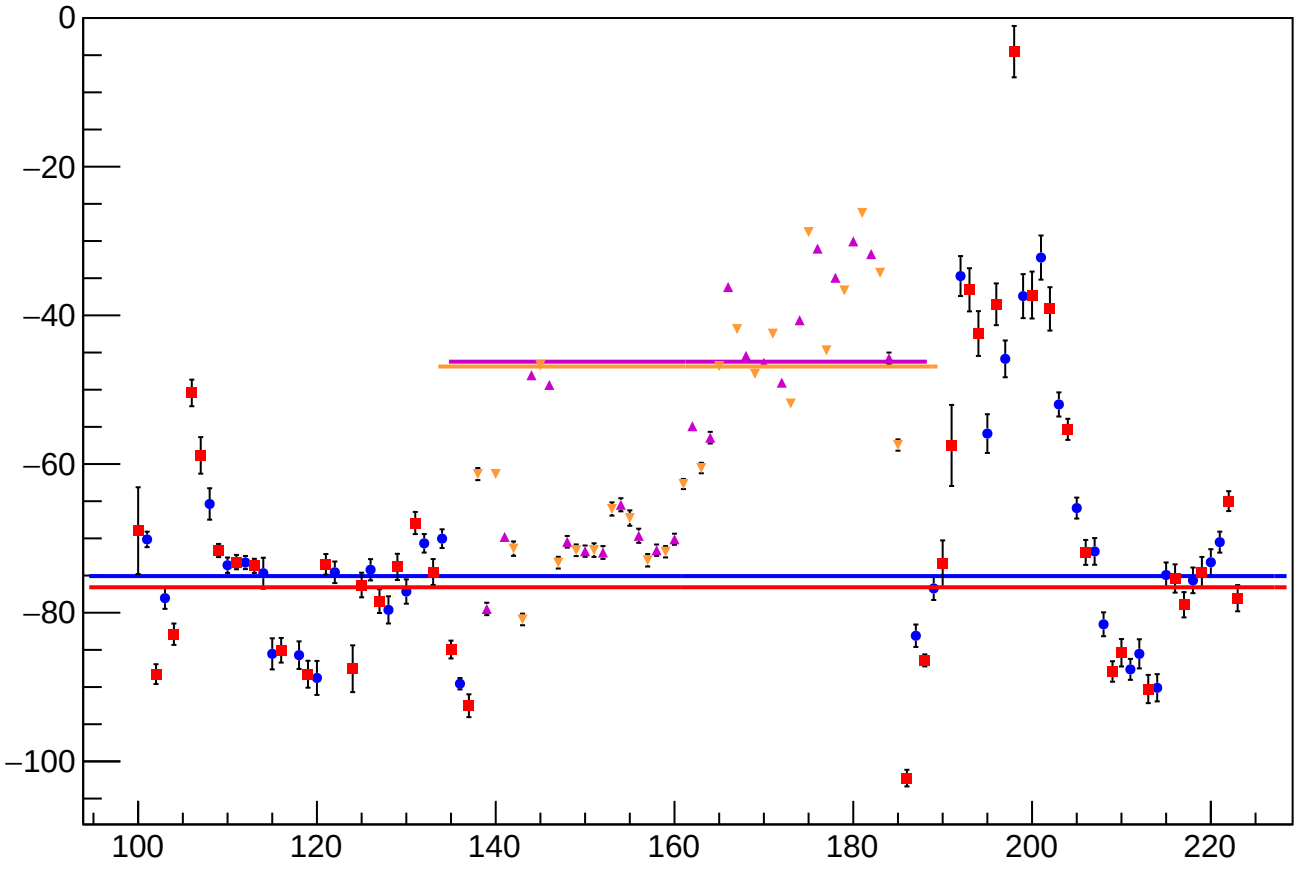
Right Out: 3.059+/-0.284 χ^2/NDF: 261.0/38

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.493+/-0.086 χ^2/NDF: 5023.8/58

All: 6.294+/-0.061 χ^2/NDF: 8832.0/120

- sign 6.091+/-0.087 χ^2/NDF: 3797.4/61



Right In: -75.074+/-0.258 χ^2/NDF: 1811.8/33

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

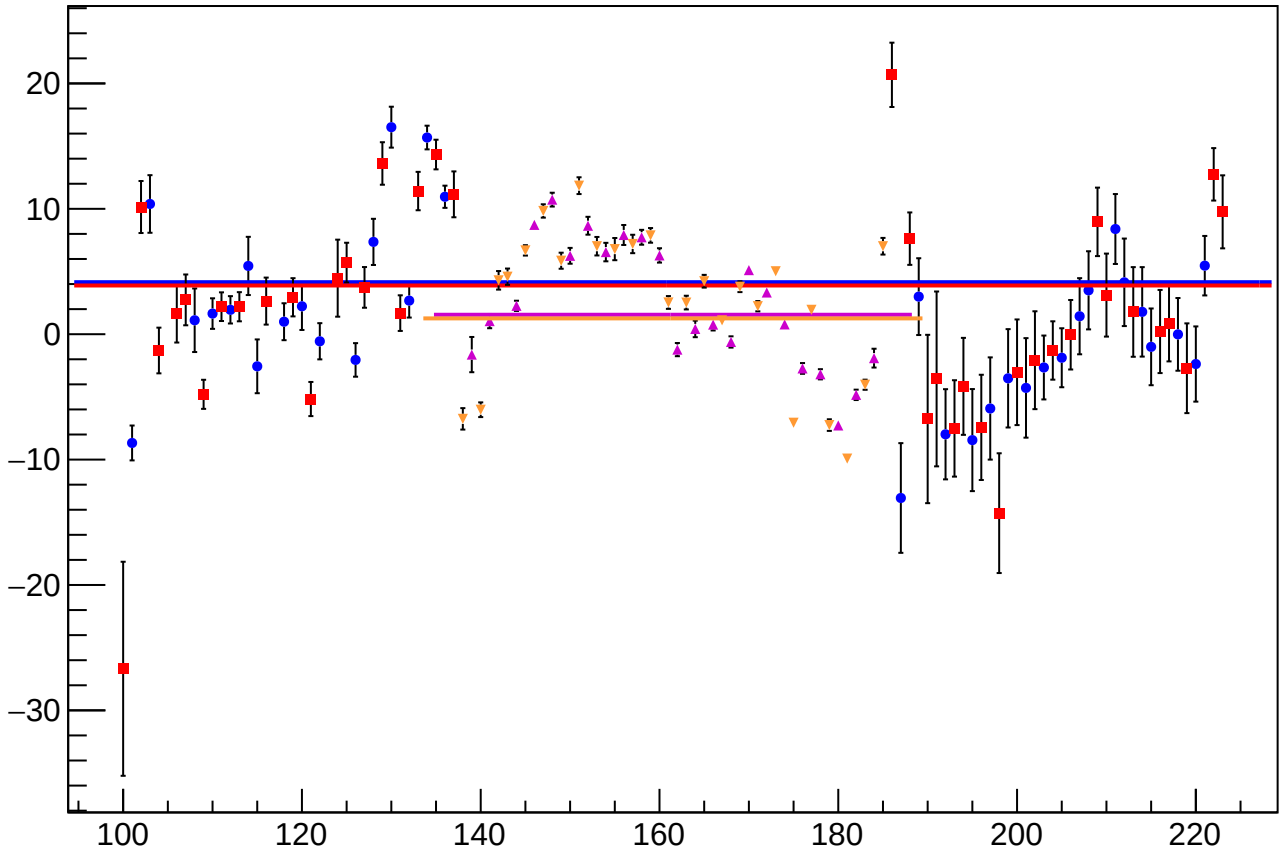
Right Out: -76.577+/-0.249 χ^2/NDF: 3092.3/38

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -51.493+/-0.104 χ^2/NDF: 29804.8/58

All: -51.570+/-0.074 χ^2/NDF: 60229.6/120

- sign -51.649+/-0.105 χ^2/NDF: 30423.6/61



Right In: 4.149+/-0.316 χ^2/NDF: 498.5/33

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.886+/-0.321 χ^2/NDF: 419.6/38

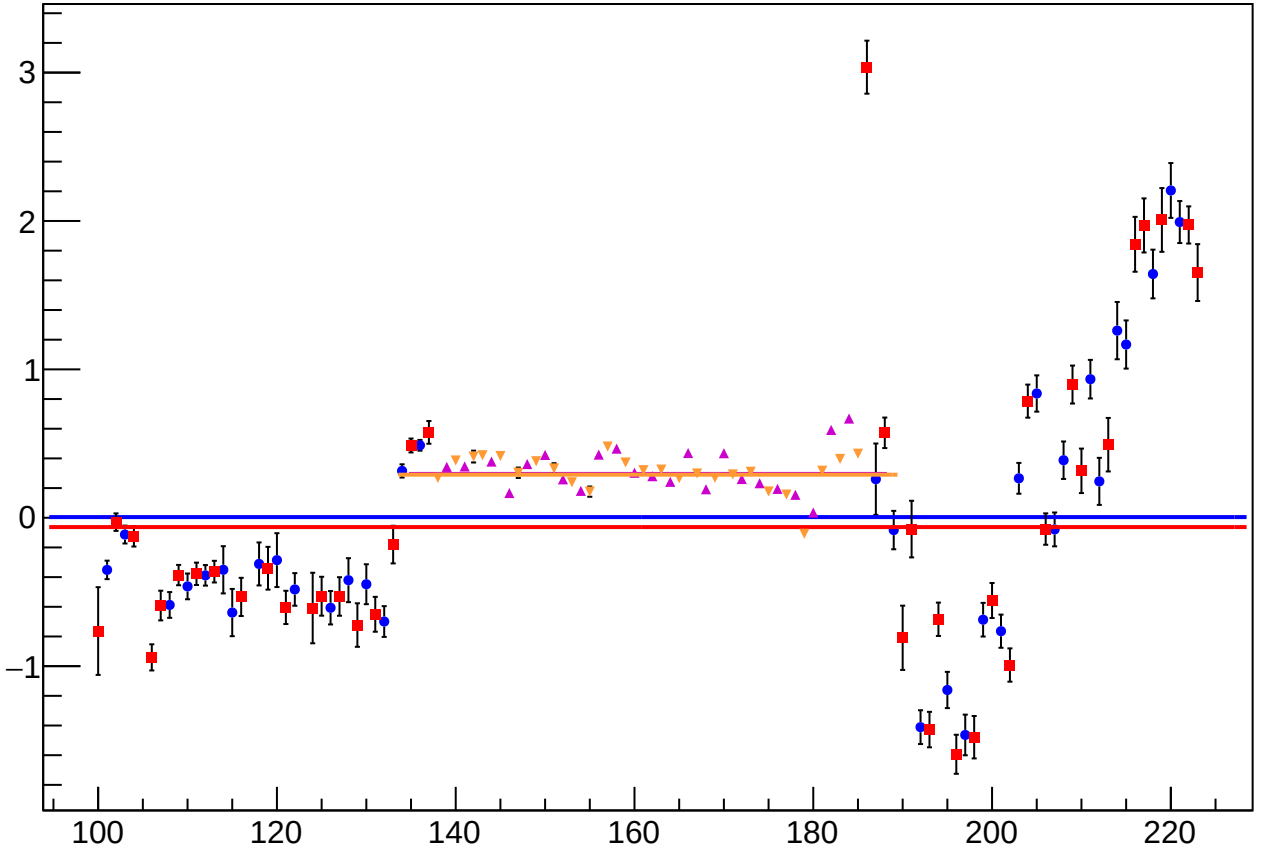
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.526+/-0.096 χ^2/NDF: 4020.0/58

All: 1.643+/-0.068 χ^2/NDF: 6826.2/120

- sign 1.765+/-0.097 χ^2/NDF: 2803.2/61

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: 0.005+/-0.016 χ^2/NDF: 1610.2/33

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.063+/-0.017 χ^2/NDF: 2146.5/38

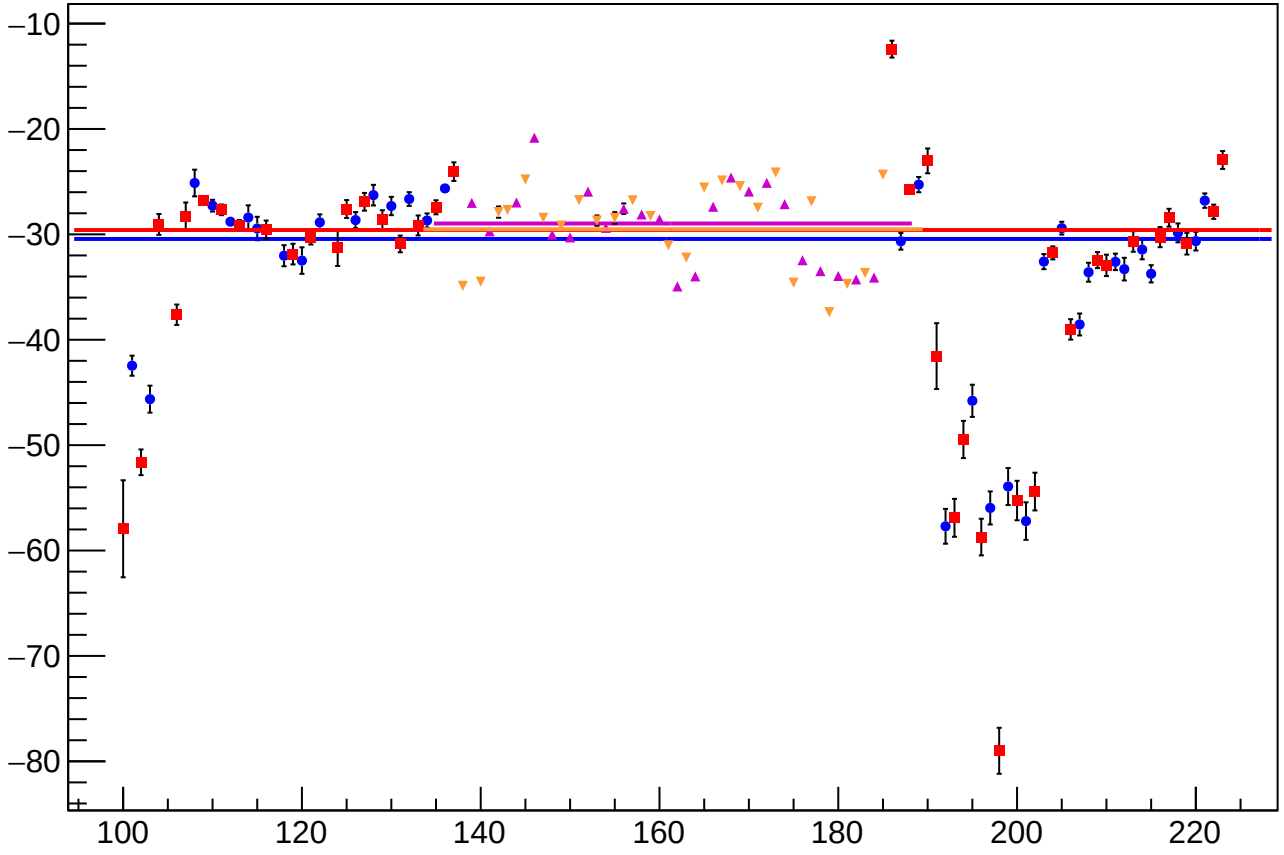
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.270+/-0.004 χ^2/NDF: 2617.8/58

All: 0.271+/-0.003 χ^2/NDF: 6219.1/120

- sign 0.271+/-0.004 χ^2/NDF: 3601.2/61

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.435+/-0.140 χ^2/NDF: 1814.0/33

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.584+/-0.136 χ^2/NDF: 2881.2/38

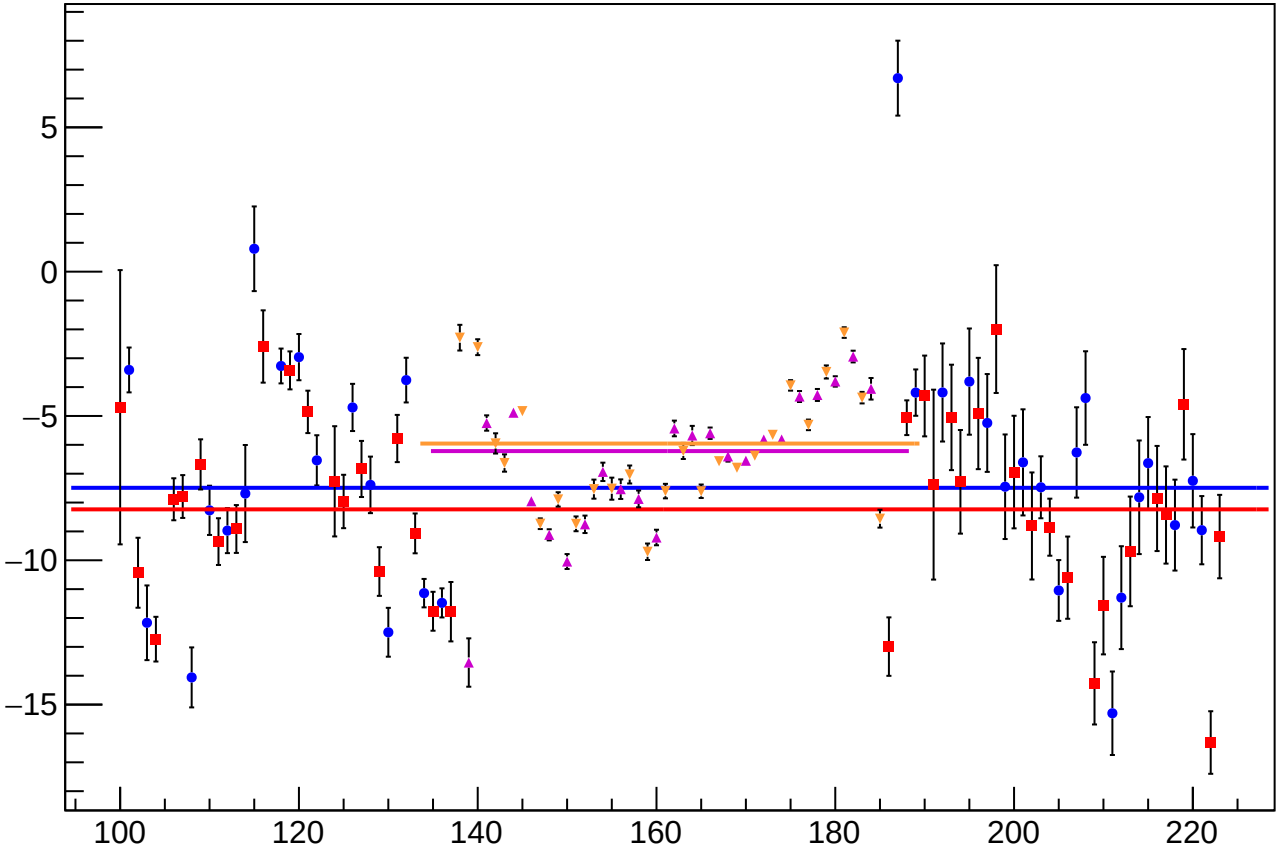
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.644+/-0.052 χ^2/NDF: 7939.5/58

All: -29.355+/-0.037 χ^2/NDF: 16248.1/120

- sign -29.063+/-0.053 χ^2/NDF: 8247.1/61

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.489+/-0.168 χ^2/NDF: 584.5/33

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.236+/-0.165 χ^2/NDF: 355.5/38

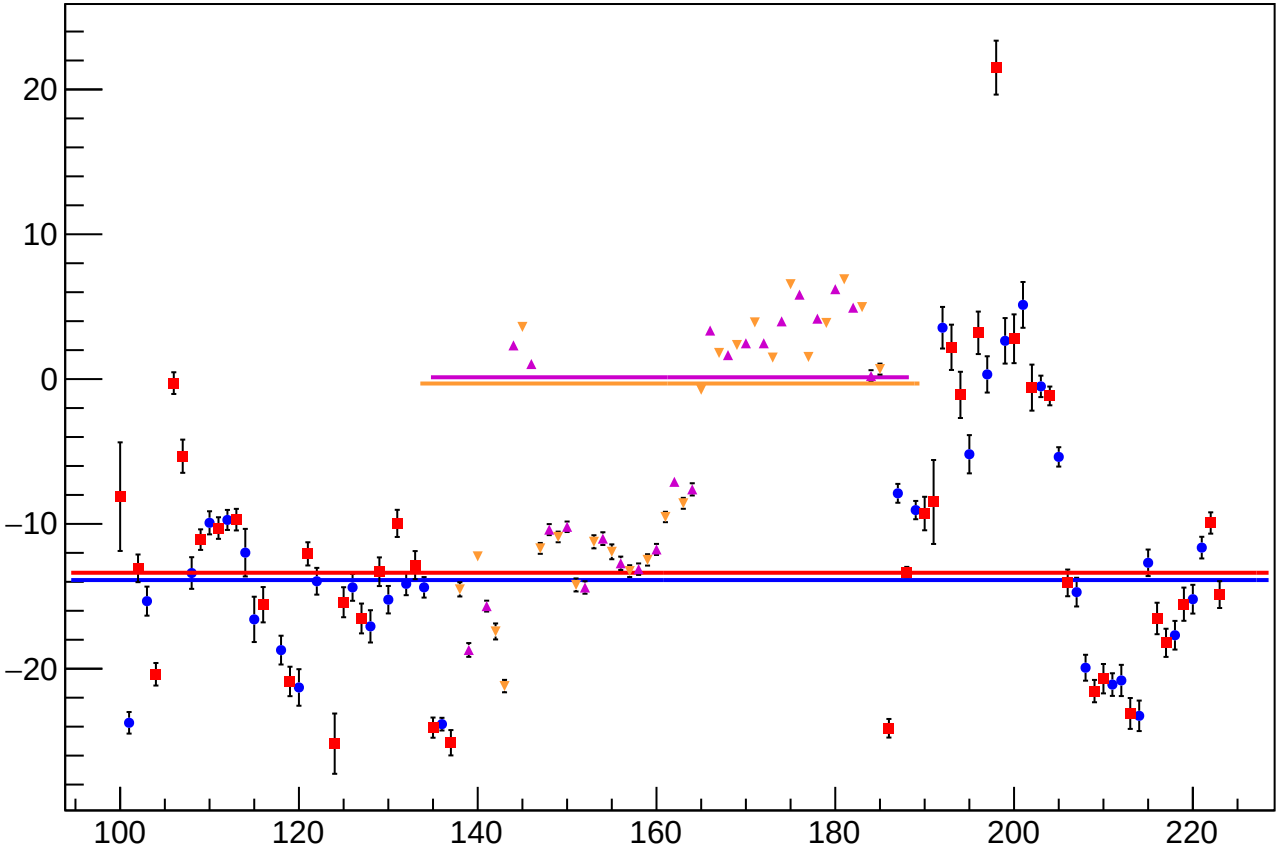
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.057+/-0.043 χ^2/NDF: 2520.4/58

All: -6.205+/-0.030 χ^2/NDF: 4781.1/120

- sign -6.352+/-0.043 χ^2/NDF: 2236.9/61

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.879+/-0.149 χ^2/NDF: 2312.7/33

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.374+/-0.143 χ^2/NDF: 2776.9/38

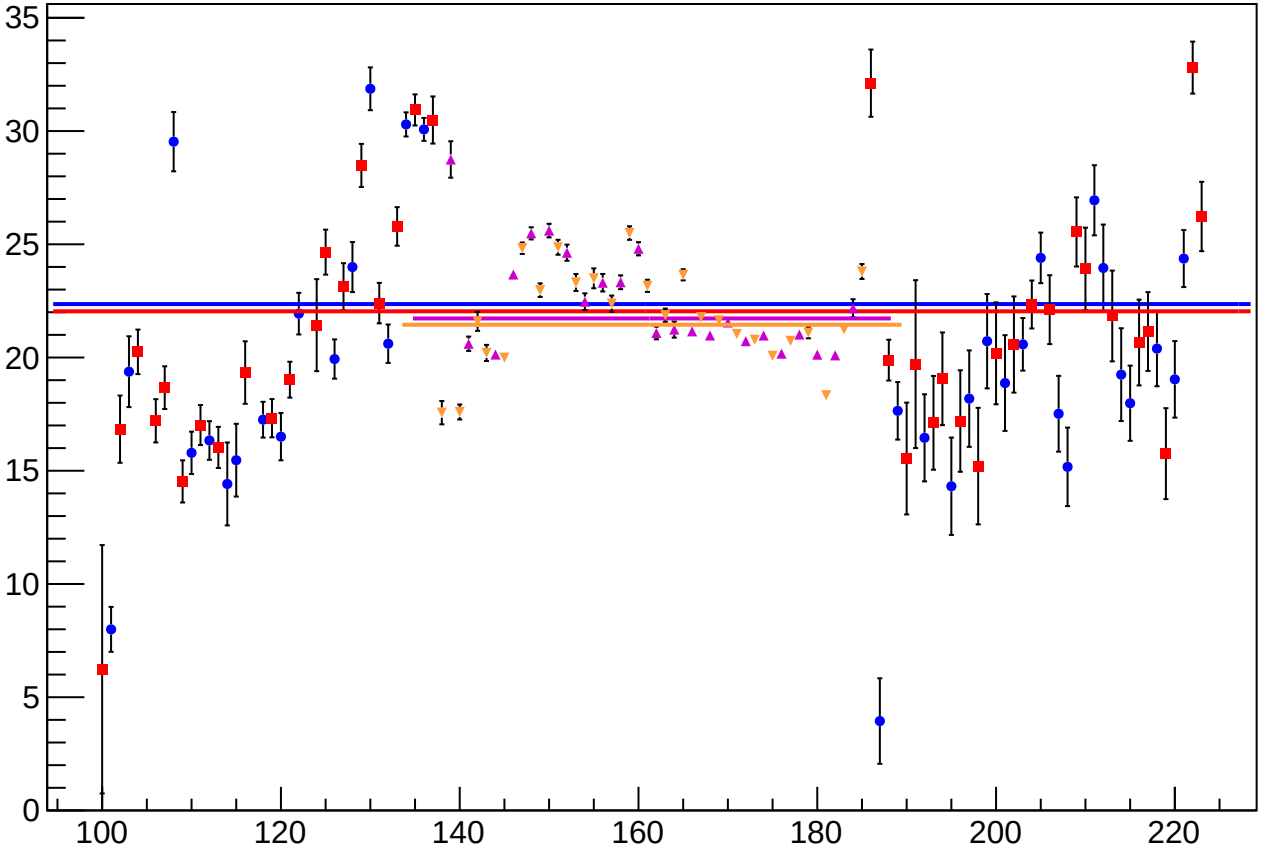
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -2.011+/-0.053 χ^2/NDF: 26729.0/58

All: -1.874+/-0.037 χ^2/NDF: 51091.0/120

- sign -1.736+/-0.053 χ^2/NDF: 24348.6/61

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.360+/-0.189 χ^2/NDF: 1220.7/33

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 22.041+/-0.191 χ^2/NDF: 752.2/38

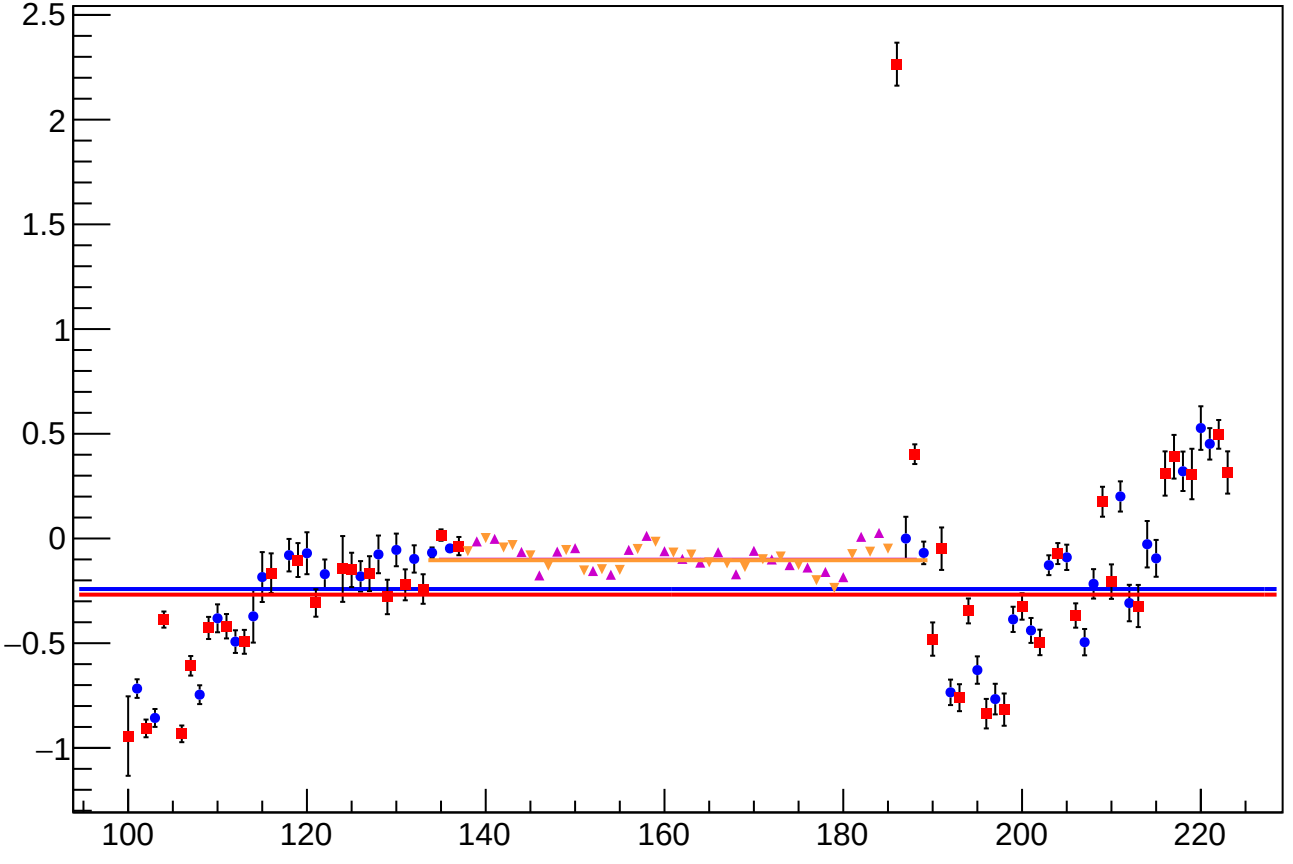
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.505+/-0.048 χ^2/NDF: 2567.7/58

All: 21.625+/-0.034 χ^2/NDF: 4508.7/120

- sign 21.745+/-0.048 χ^2/NDF: 1928.5/61

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.241+/-0.009 χ^2/NDF: 1067.6/33

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.268+/-0.010 χ^2/NDF: 2085.5/38

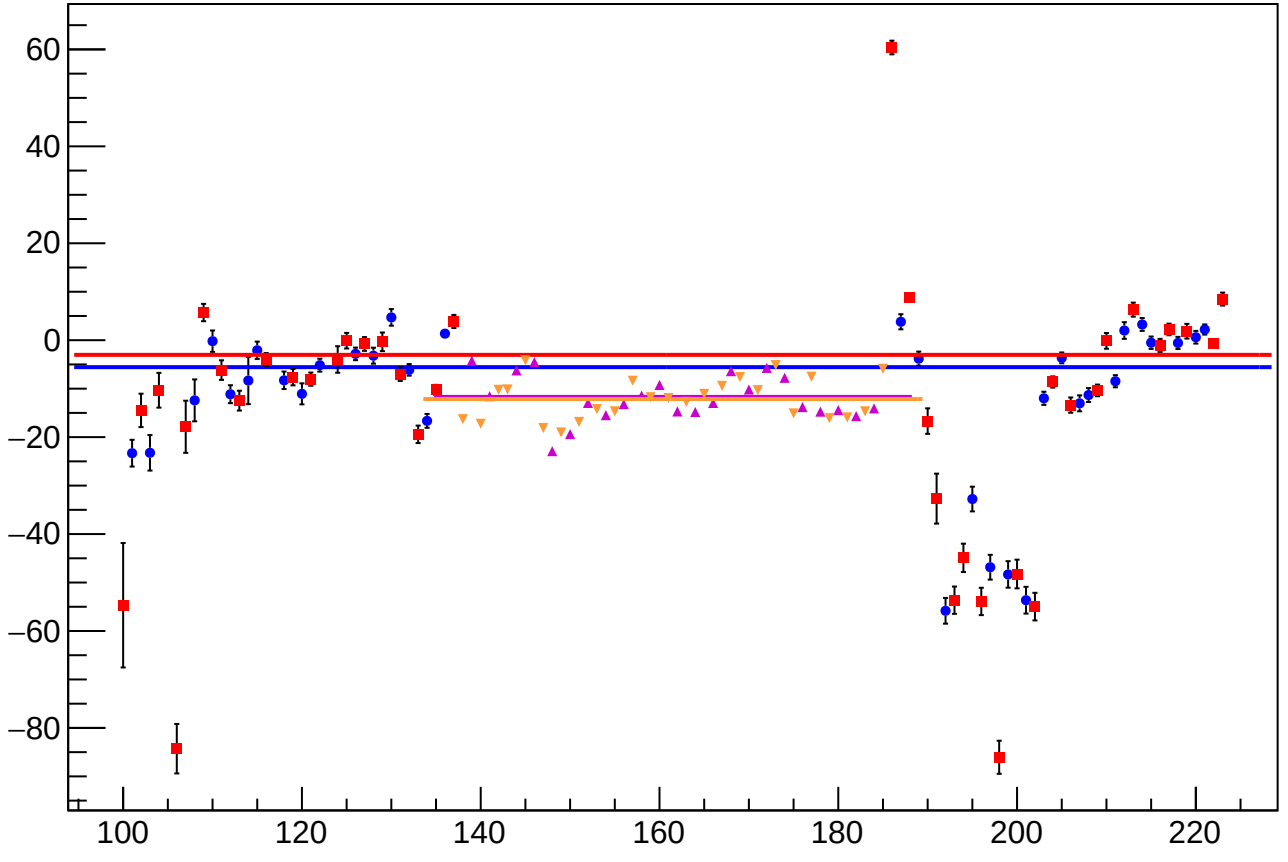
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1814.9/58

All: -0.110+/-0.002 χ^2/NDF: 4935.2/120

- sign -0.110+/-0.002 χ^2/NDF: 3120.1/61

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -5.561+/-0.259 χ^2/NDF: 1859.3/33

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -3.023+/-0.260 χ^2/NDF: 5093.5/38

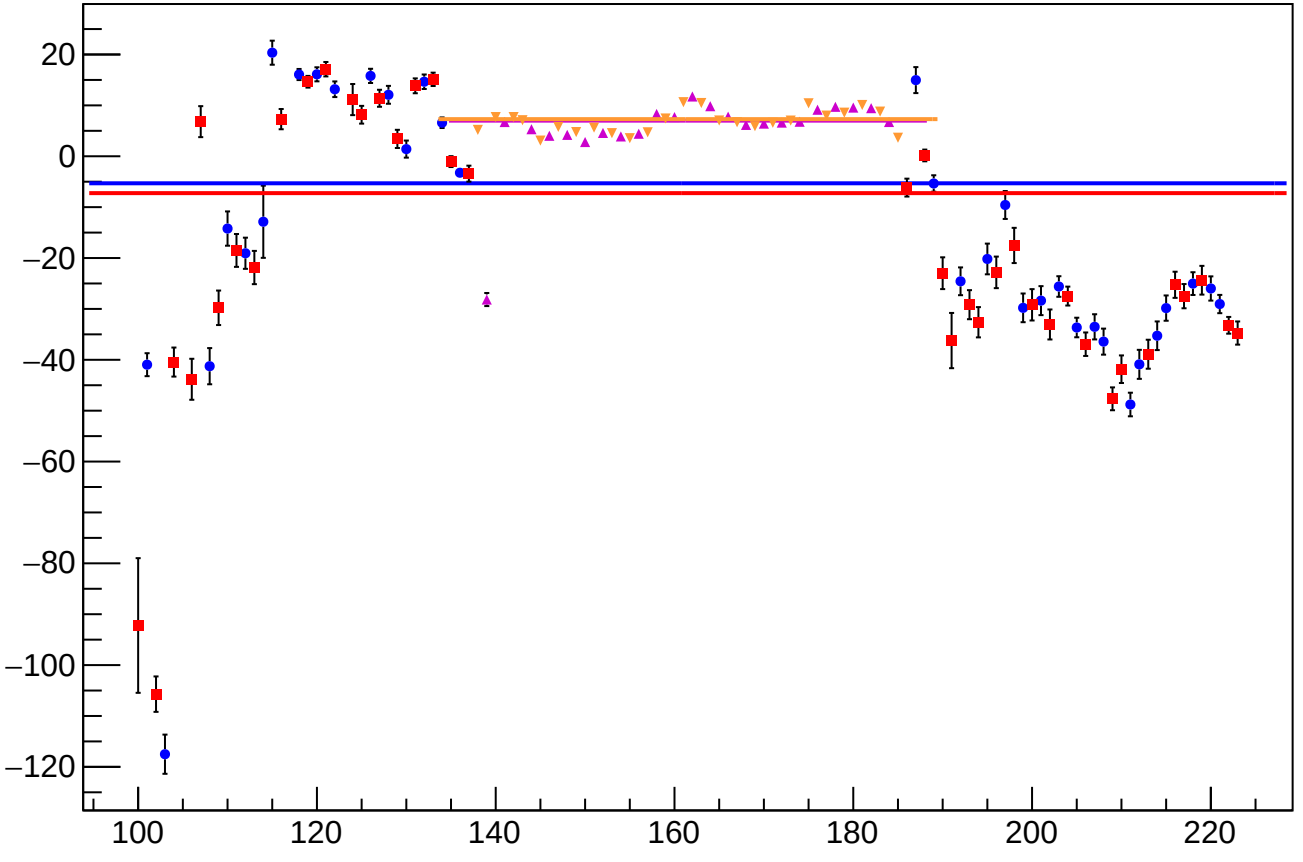
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.411+/-0.086 χ^2/NDF: 4564.8/58

All: -11.061+/-0.062 χ^2/NDF: 12626.6/120

- sign -10.690+/-0.089 χ^2/NDF: 8027.9/61

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -5.311+/-0.316 χ^2/NDF: 4713.0/33

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -7.244+/-0.326 χ^2/NDF: 4516.6/38

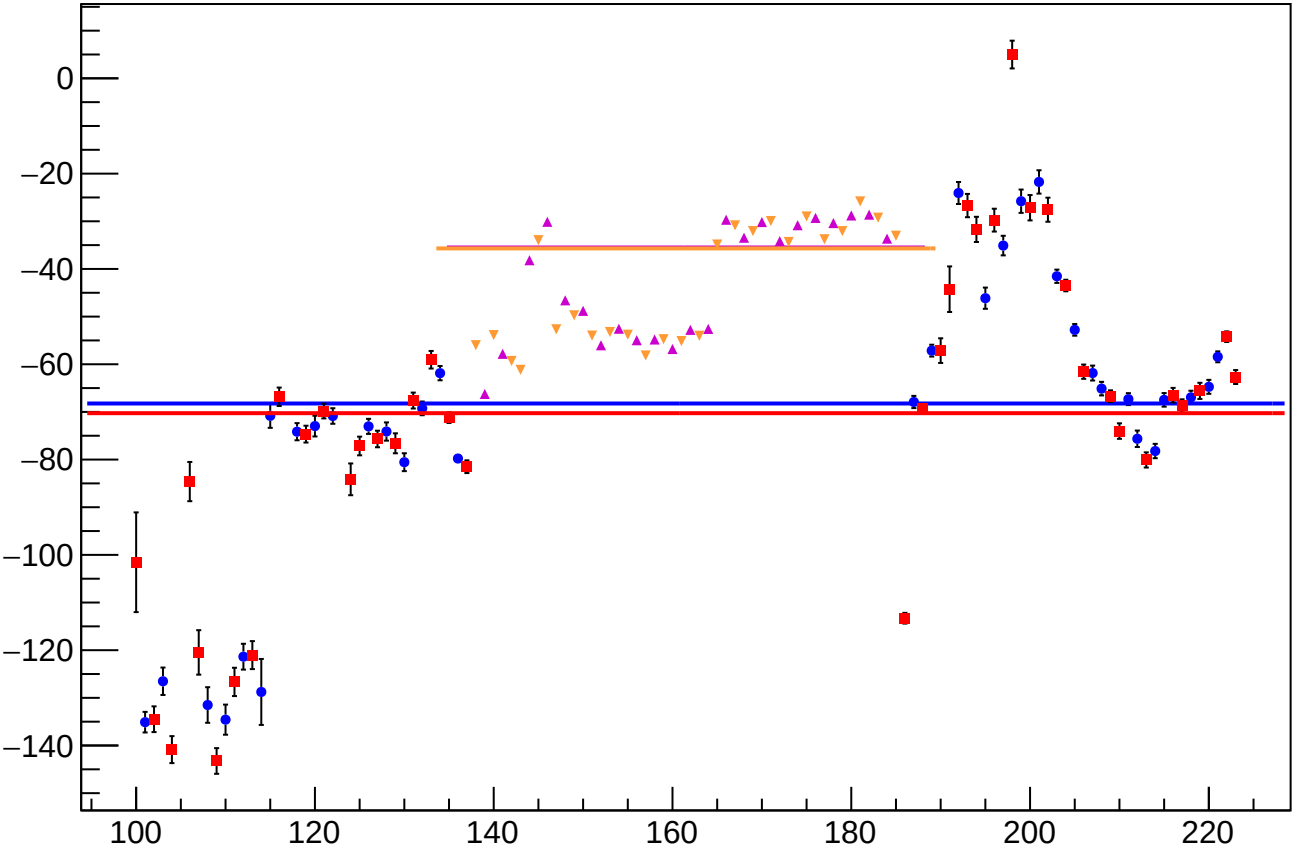
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.625+/-0.073 χ^2/NDF: 7044.0/58

All: 6.450+/-0.052 χ^2/NDF: 14959.7/120

- sign 6.270+/-0.074 χ^2/NDF: 7904.1/61

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.233+/-0.270 χ^2/NDF: 5098.5/33

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -70.264+/-0.267 χ^2/NDF: 7263.0/38

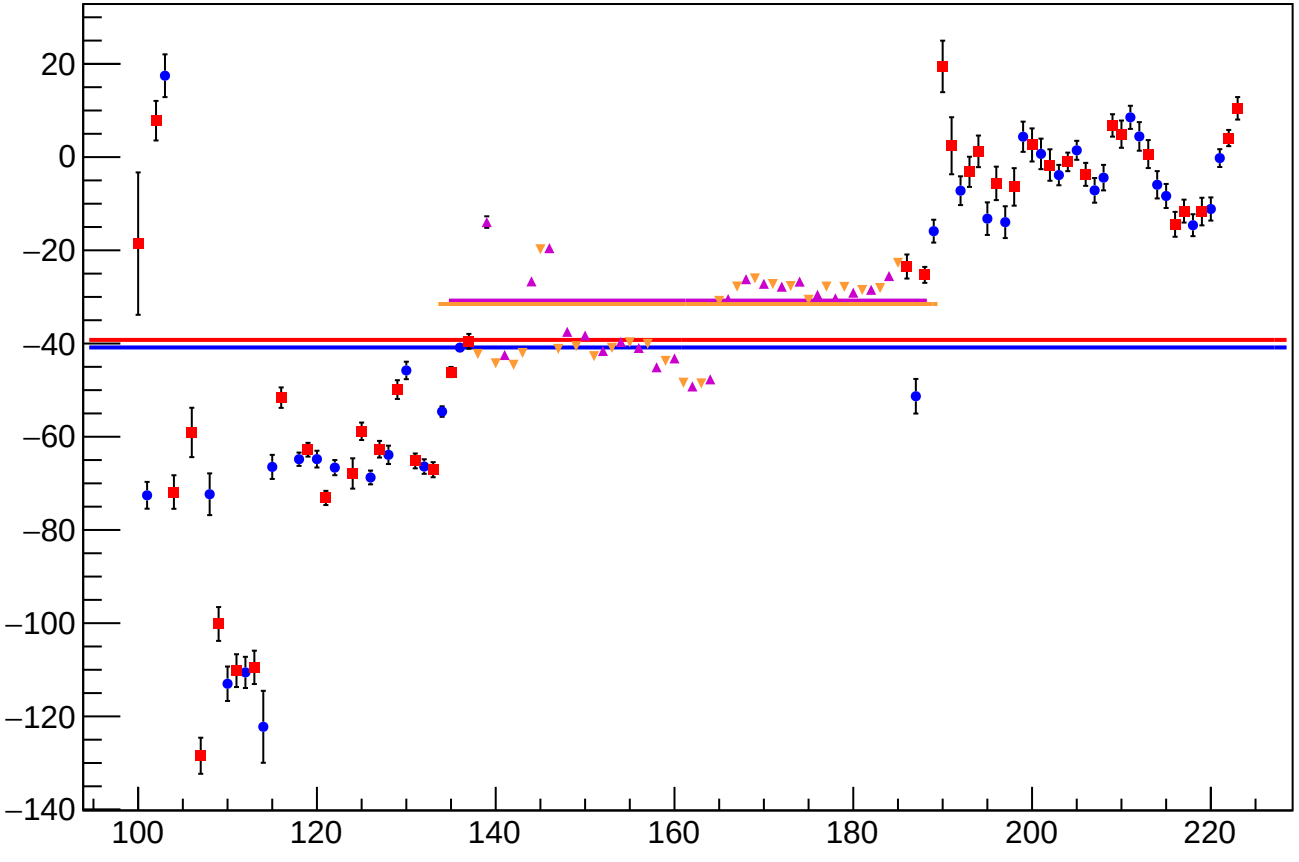
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -39.089+/-0.087 χ^2/NDF: 30878.3/58

All: -39.227+/-0.062 χ^2/NDF: 64365.3/120

- sign -39.372+/-0.089 χ^2/NDF: 33481.8/61

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -40.844+/-0.352 χ^2/NDF: 6380.3/33

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -39.220+/-0.370 χ^2/NDF: 7228.5/38

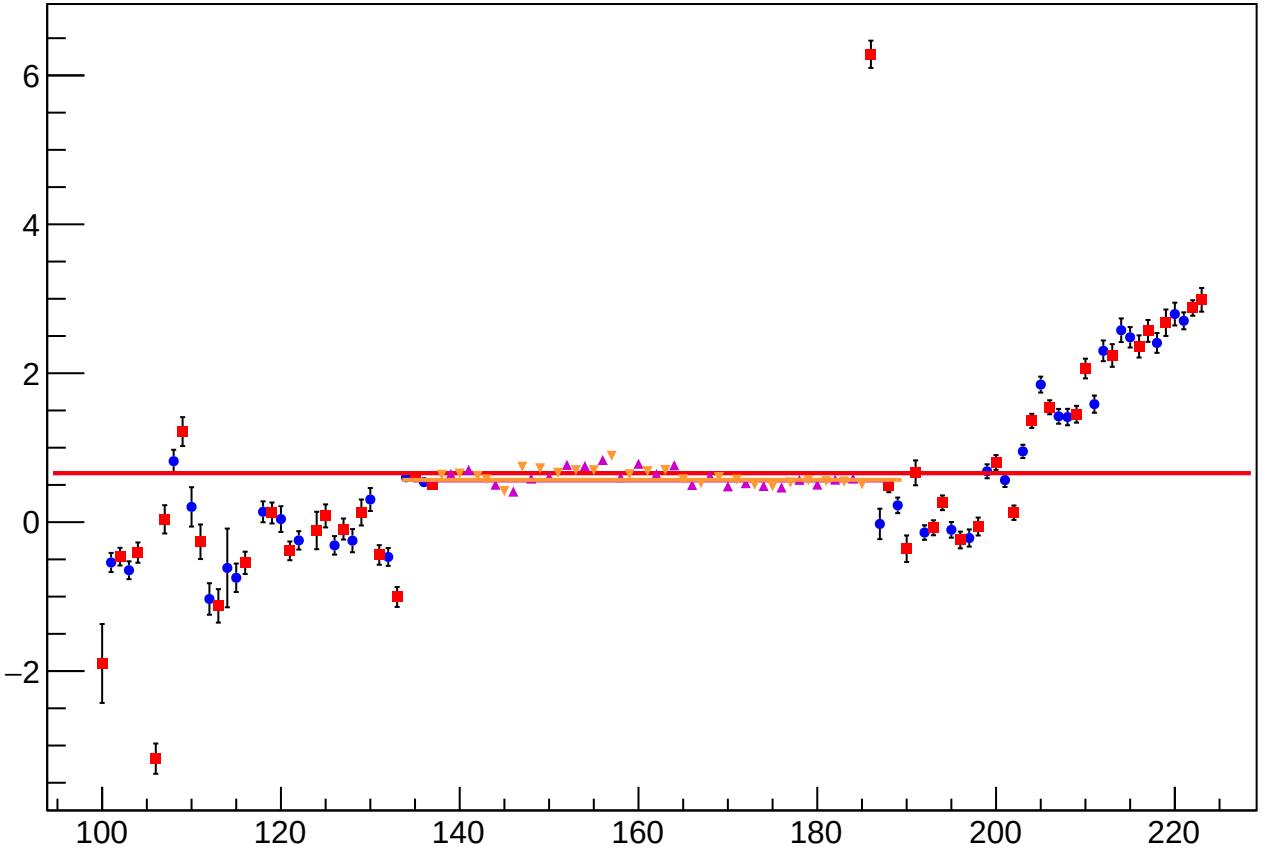
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.010+/-0.081 χ^2/NDF: 15504.5/58

All: -31.615+/-0.058 χ^2/NDF: 30824.3/120

- sign -31.205+/-0.082 χ^2/NDF: 15270.9/61

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.657+/-0.017 χ^2/NDF: 2277.0/33

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.659+/-0.019 χ^2/NDF: 3759.2/38

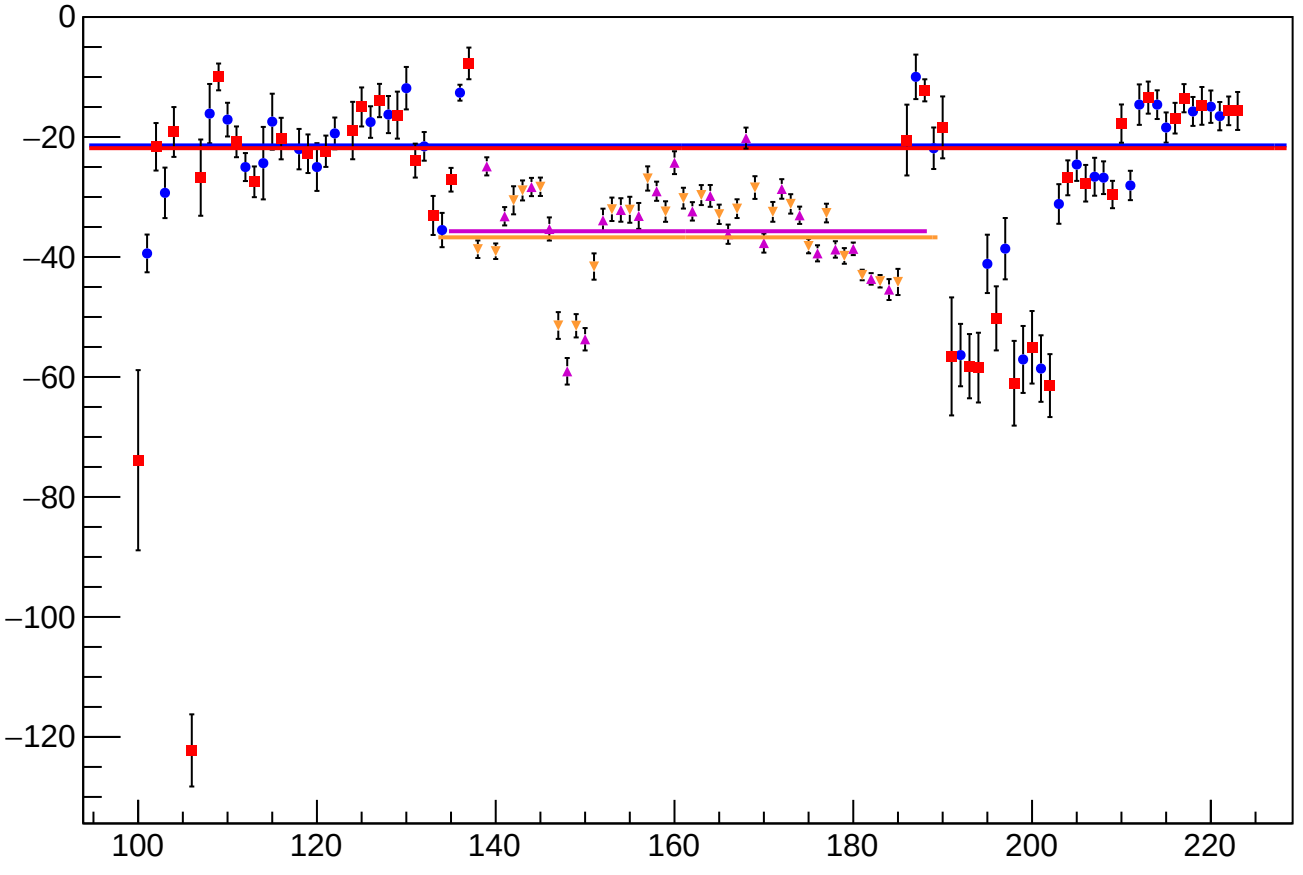
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.572+/-0.004 χ^2/NDF: 2856.6/58

All: 0.568+/-0.003 χ^2/NDF: 7316.9/120

- sign 0.564+/-0.004 χ^2/NDF: 4457.8/61

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -21.402+/-0.503 χ^2/NDF: 346.6/33

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -21.864+/-0.507 χ^2/NDF: 722.2/38

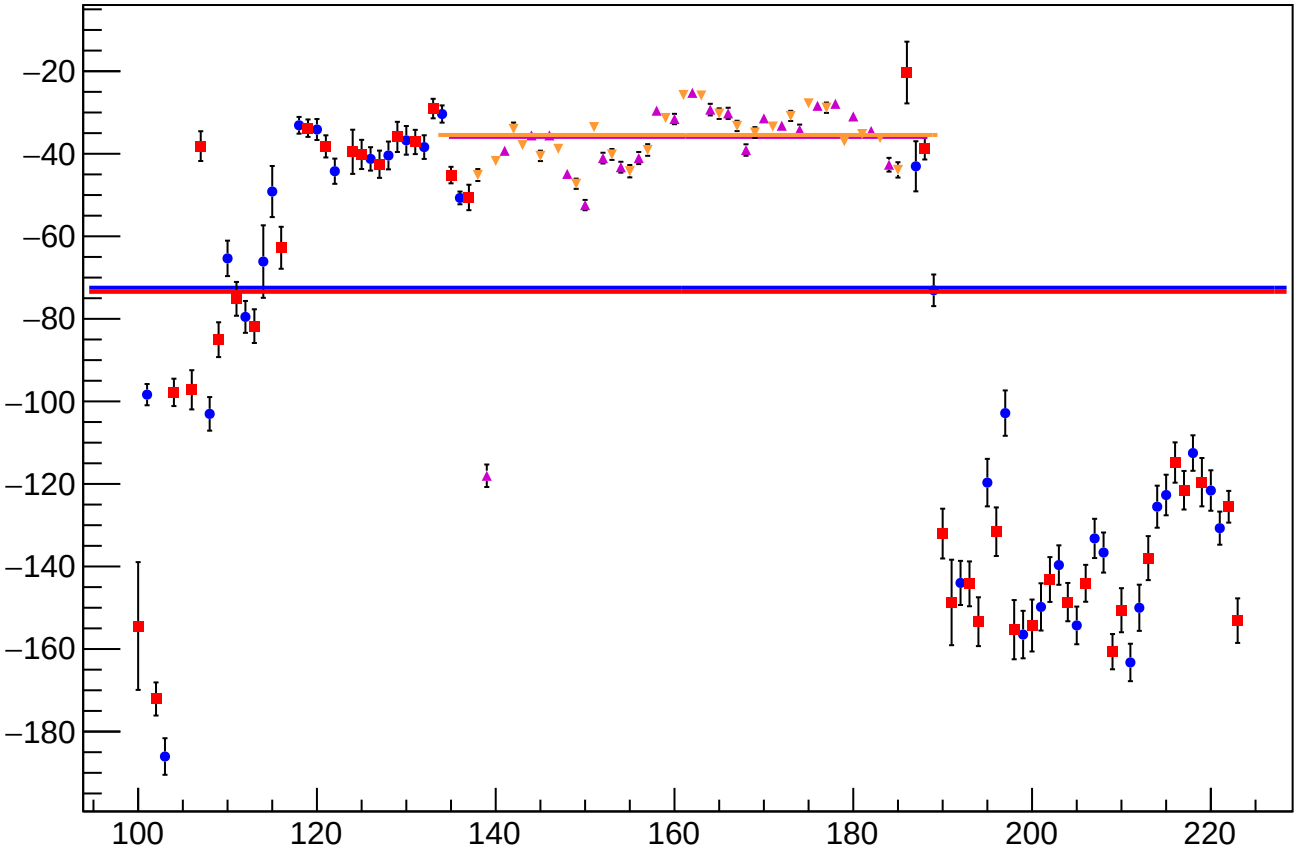
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -32.506+/-0.264 χ^2/NDF: 1439.0/58

All: -32.121+/-0.190 χ^2/NDF: 3273.7/120

- sign -31.711+/-0.273 χ^2/NDF: 1830.3/61

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -72.456+/-0.604 χ^2/NDF: 5346.2/33

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -73.450+/-0.621 χ^2/NDF: 5637.4/38

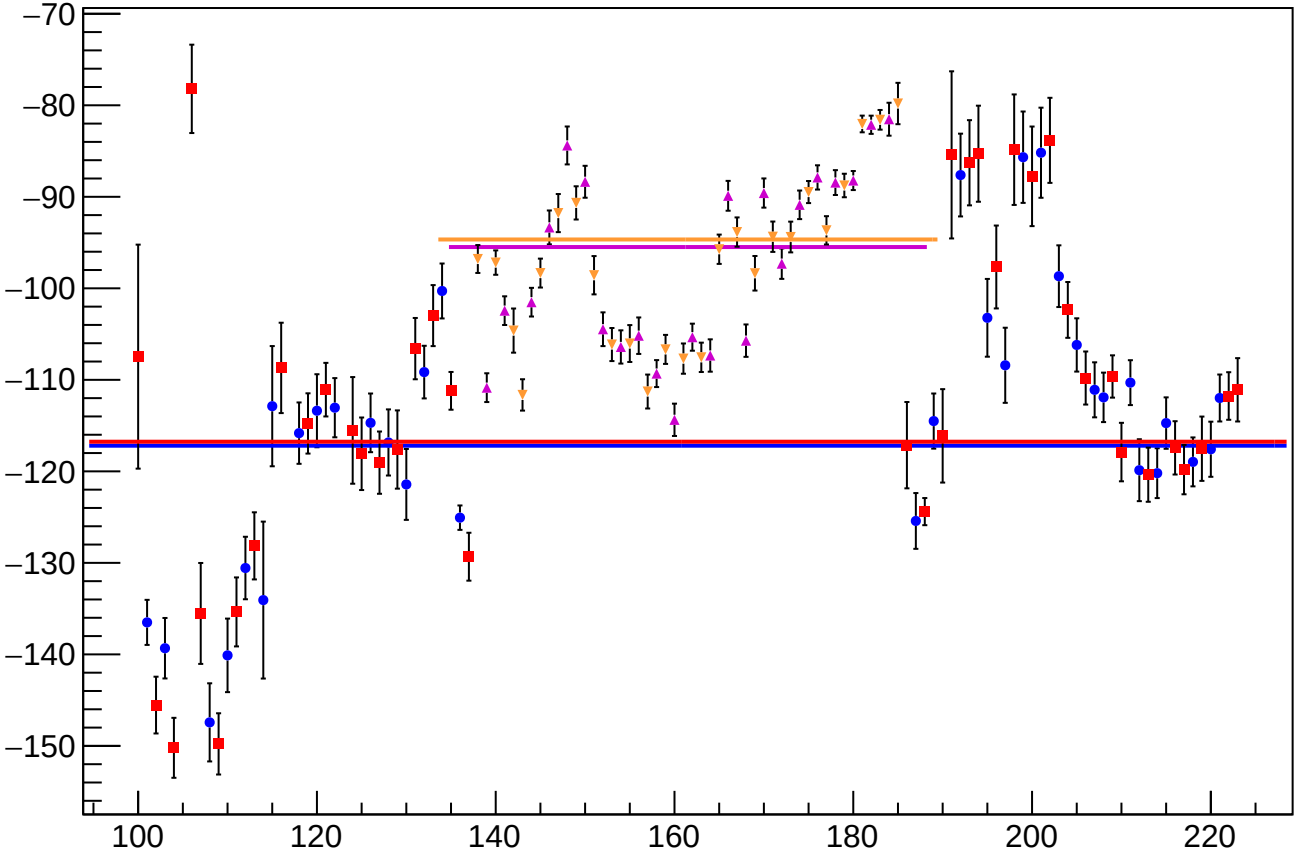
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -40.674+/-0.227 χ^2/NDF: 9113.5/58

All: -41.011+/-0.164 χ^2/NDF: 19425.2/120

- sign -41.377+/-0.237 χ^2/NDF: 10307.1/61

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.196+/-0.526 χ^2/NDF: 503.4/33

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -116.761+/-0.531 χ^2/NDF: 750.1/38

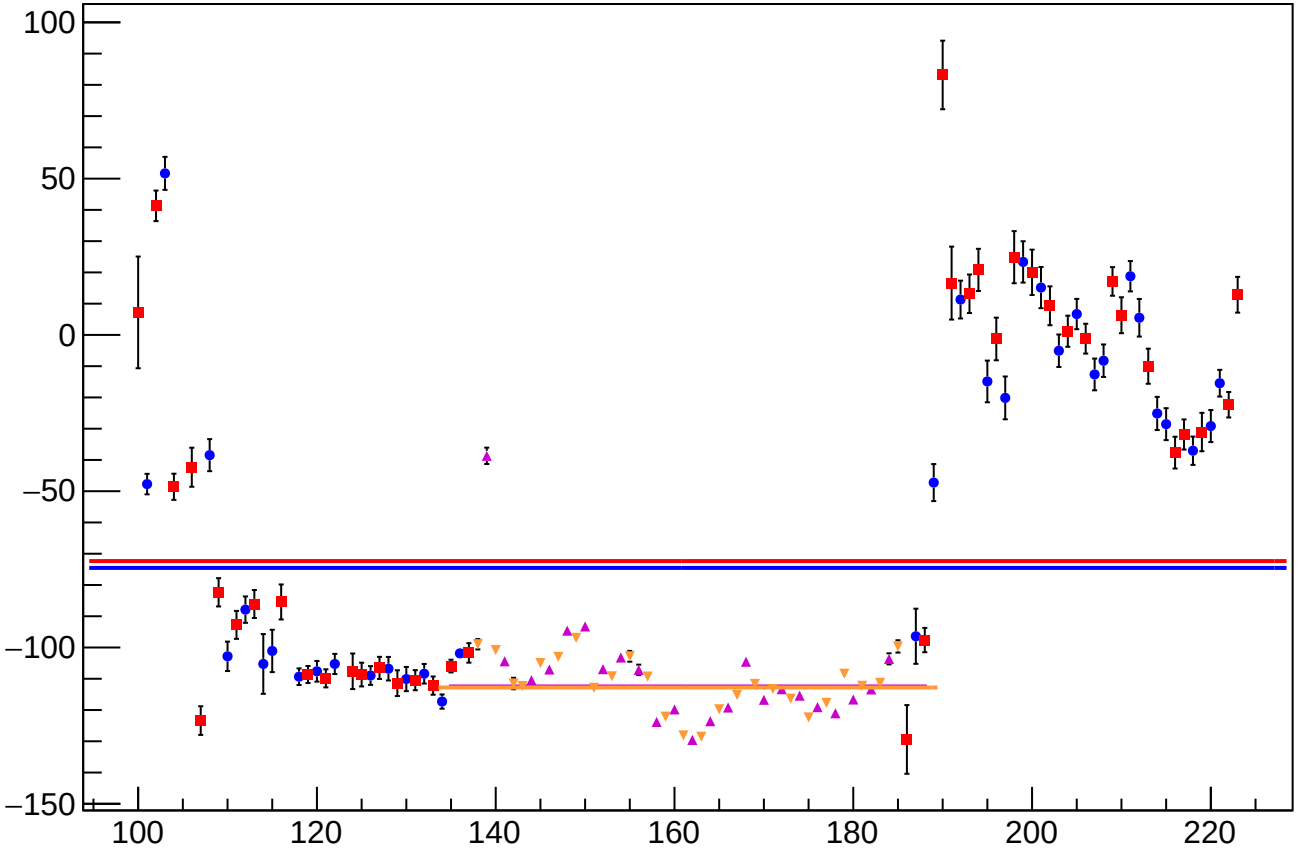
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -100.464+/-0.267 χ^2/NDF: 2765.2/58

All: -100.811+/-0.192 χ^2/NDF: 5662.2/120

- sign -101.179+/-0.275 χ^2/NDF: 2893.5/61

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -74.536+/-0.676 χ^2/NDF: 4792.3/33

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -72.349+/-0.704 χ^2/NDF: 5086.7/38

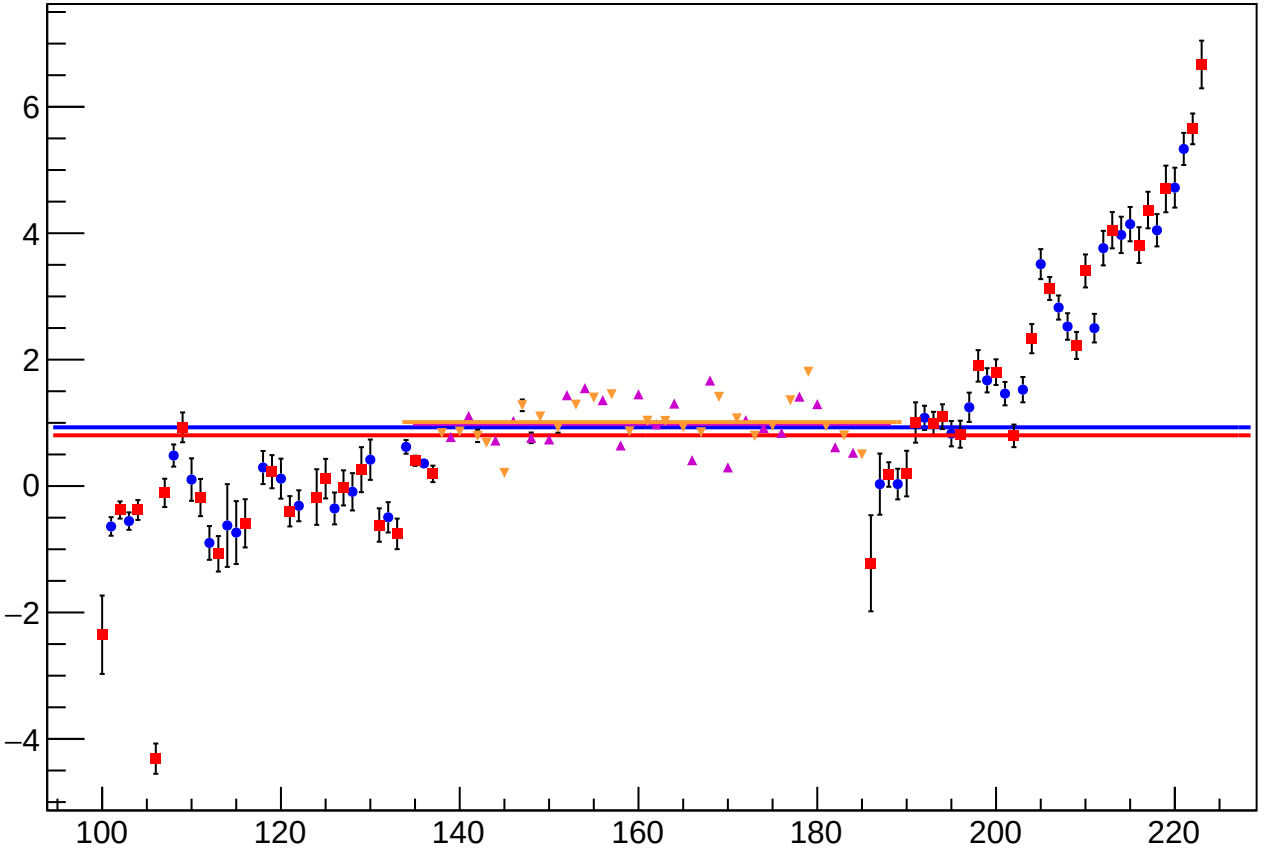
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -107.392+/-0.254 χ^2/NDF: 8481.0/58

All: -107.115+/-0.183 χ^2/NDF: 18152.1/120

- sign -106.817+/-0.264 χ^2/NDF: 9668.6/61

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.929+/-0.033 χ^2/NDF: 1837.9/33

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.803+/-0.034 χ^2/NDF: 2429.3/38

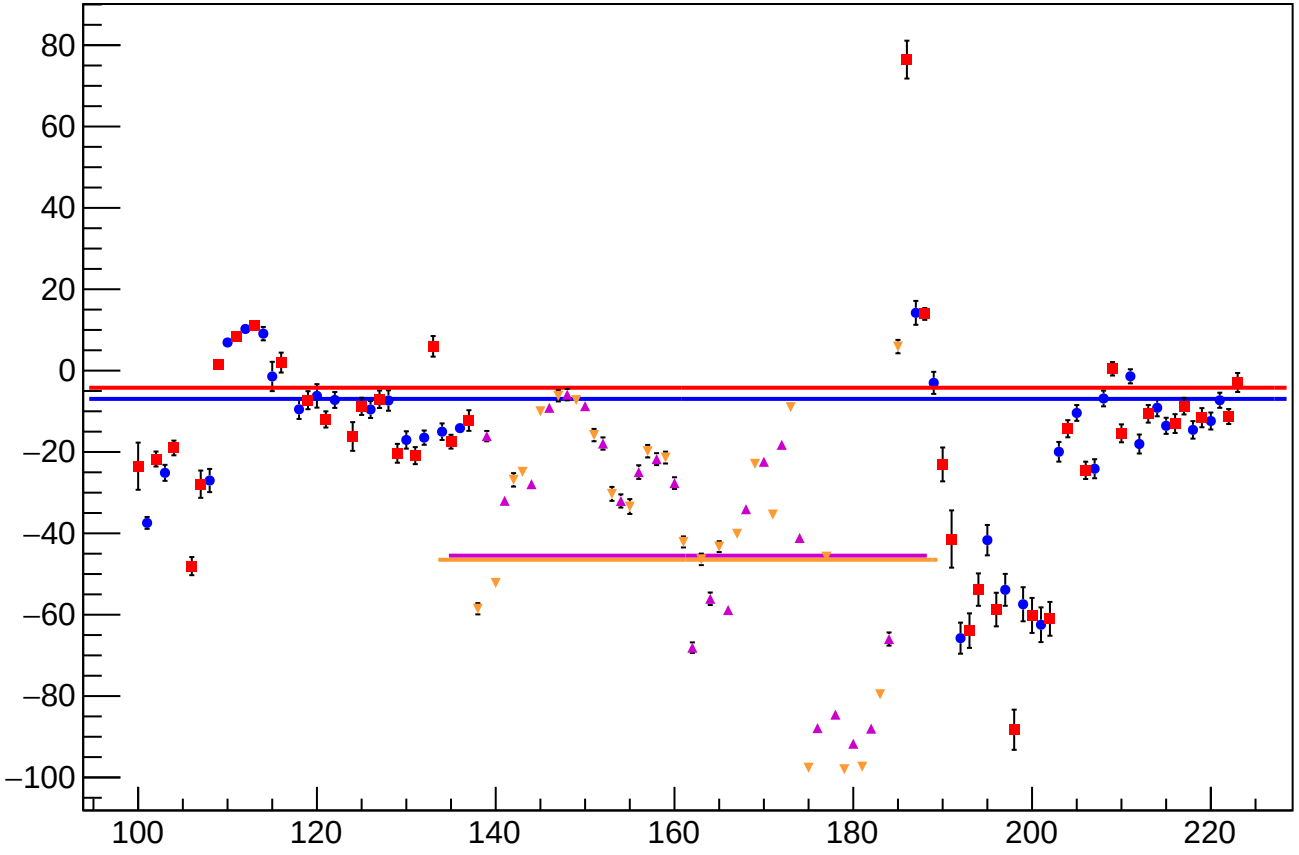
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 1.002+/-0.011 χ^2/NDF: 2534.6/58

All: 0.983+/-0.008 χ^2/NDF: 5893.8/120

- sign 0.963+/-0.012 χ^2/NDF: 3353.7/61

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.950+/-0.313 χ^2/NDF: 2597.0/33

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -4.207+/-0.289 χ^2/NDF: 3467.4/38

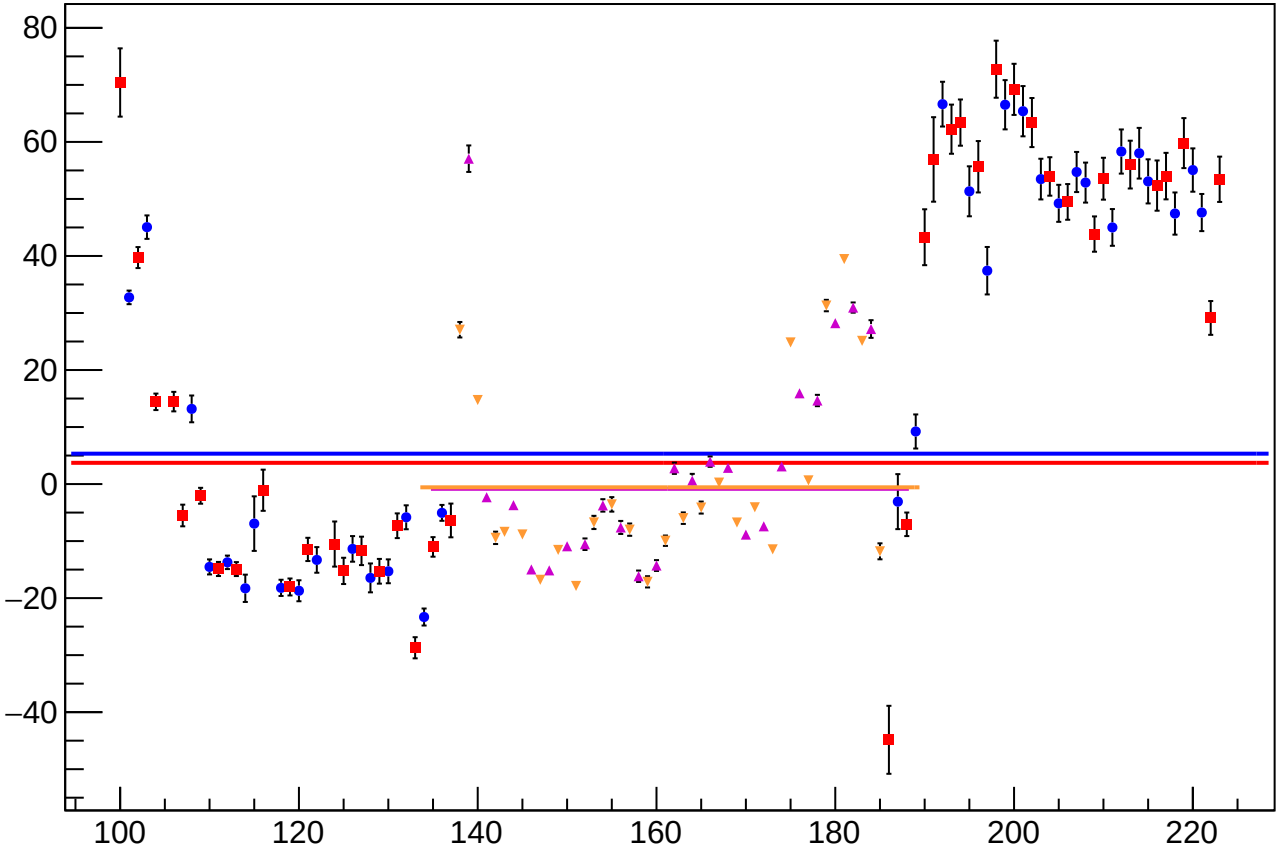
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -32.602+/-0.185 χ^2/NDF: 33019.4/58

All: -30.697+/-0.130 χ^2/NDF: 64439.5/120

- sign -28.828+/-0.184 χ^2/NDF: 31210.7/61

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 5.330+/-0.387 χ^2/NDF: 5344.9/33

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

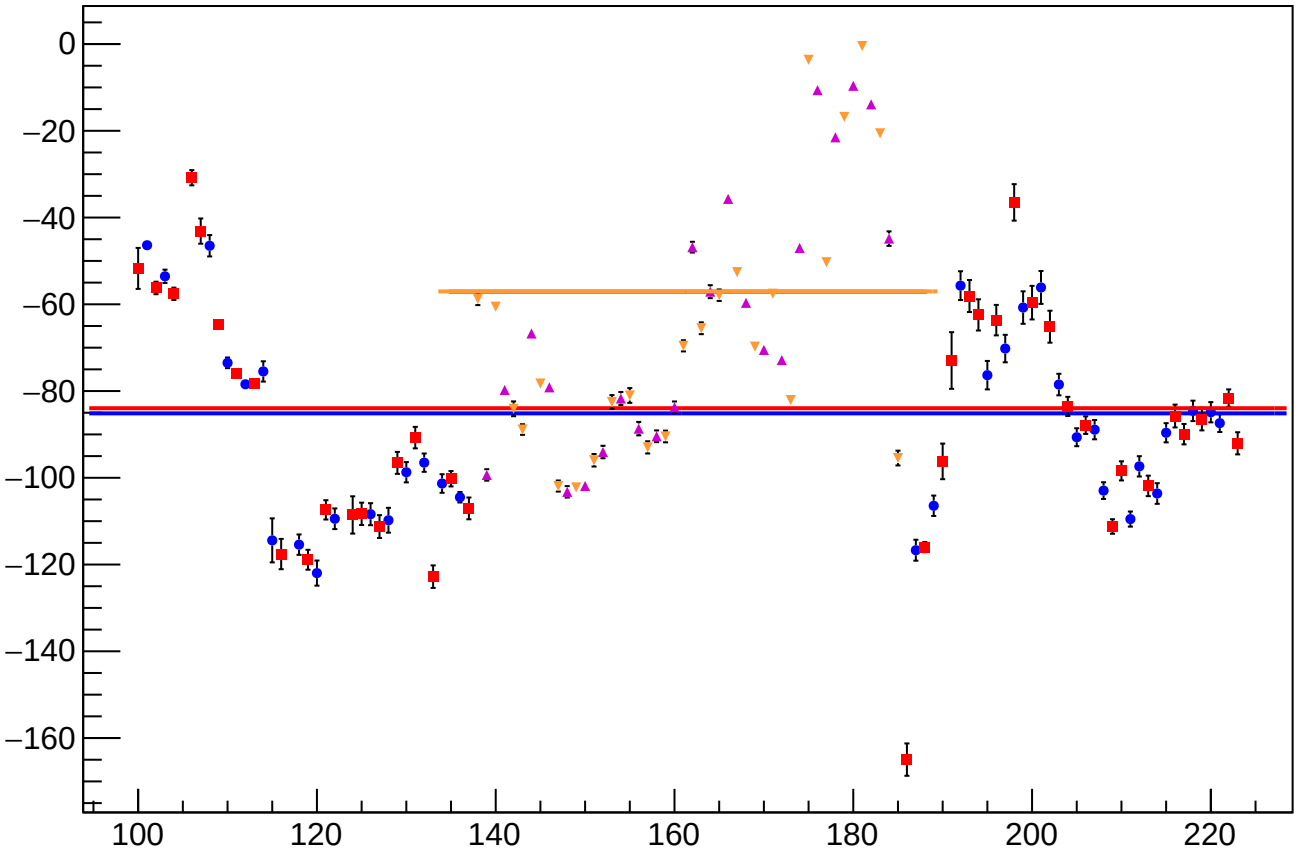
Right Out: 3.725+/-0.378 χ^2/NDF: 4935.9/38

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign 0.451+/-0.161 χ^2/NDF: 13988.6/58

All: 0.249+/-0.115 χ^2/NDF: 25162.0/120

- sign 0.038+/-0.165 χ^2/NDF: 11170.2/61



Right In: -85.146+/-0.346 χ^2/NDF: 3808.7/33

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.960+/-0.331 χ^2/NDF: 5309.1/38

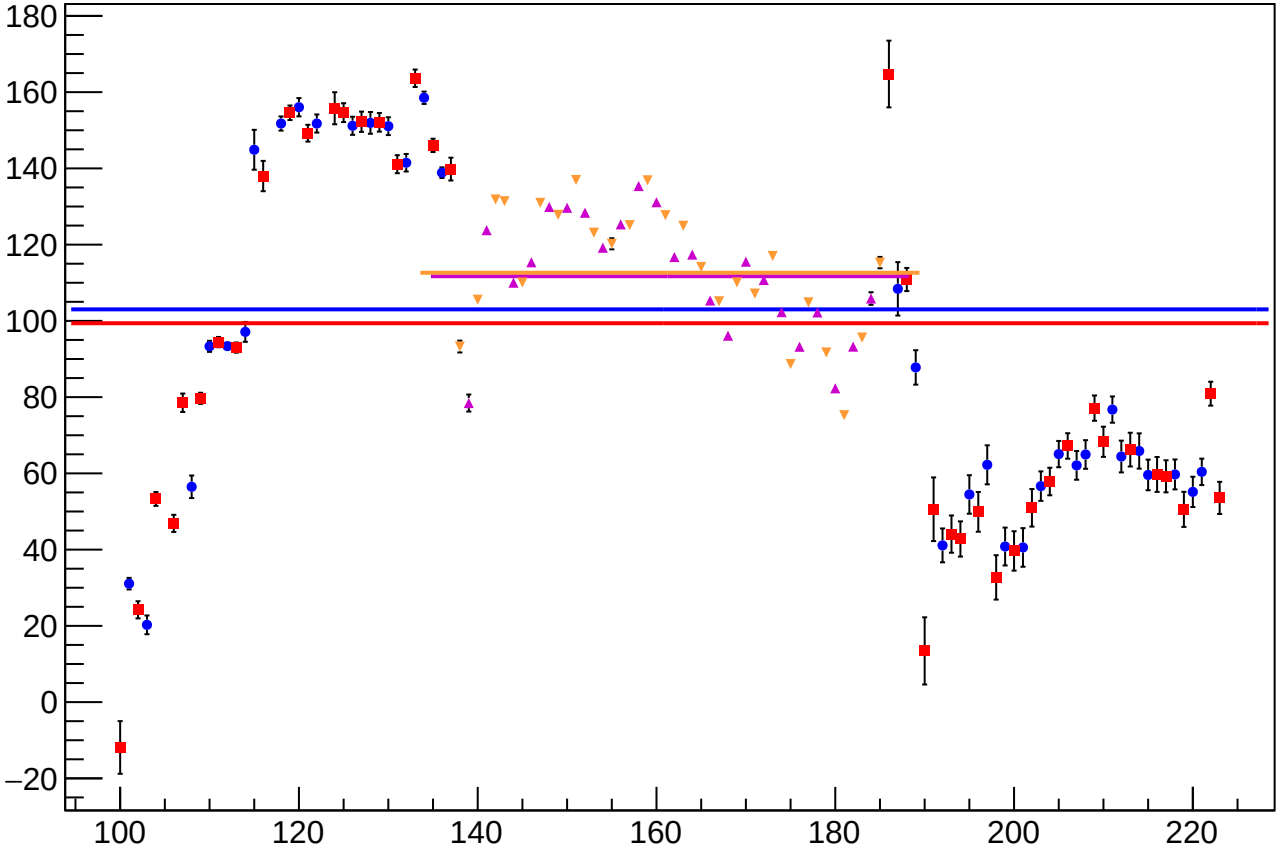
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -65.631+/-0.192 χ^2/NDF: 28695.2/58

All: -65.903+/-0.136 χ^2/NDF: 55538.3/120

- sign -66.179+/-0.192 χ^2/NDF: 26839.1/61

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 103.020+/-0.438 χ^2/NDF: 10533.4/33

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 99.385+/-0.430 χ^2/NDF: 9580.1/38

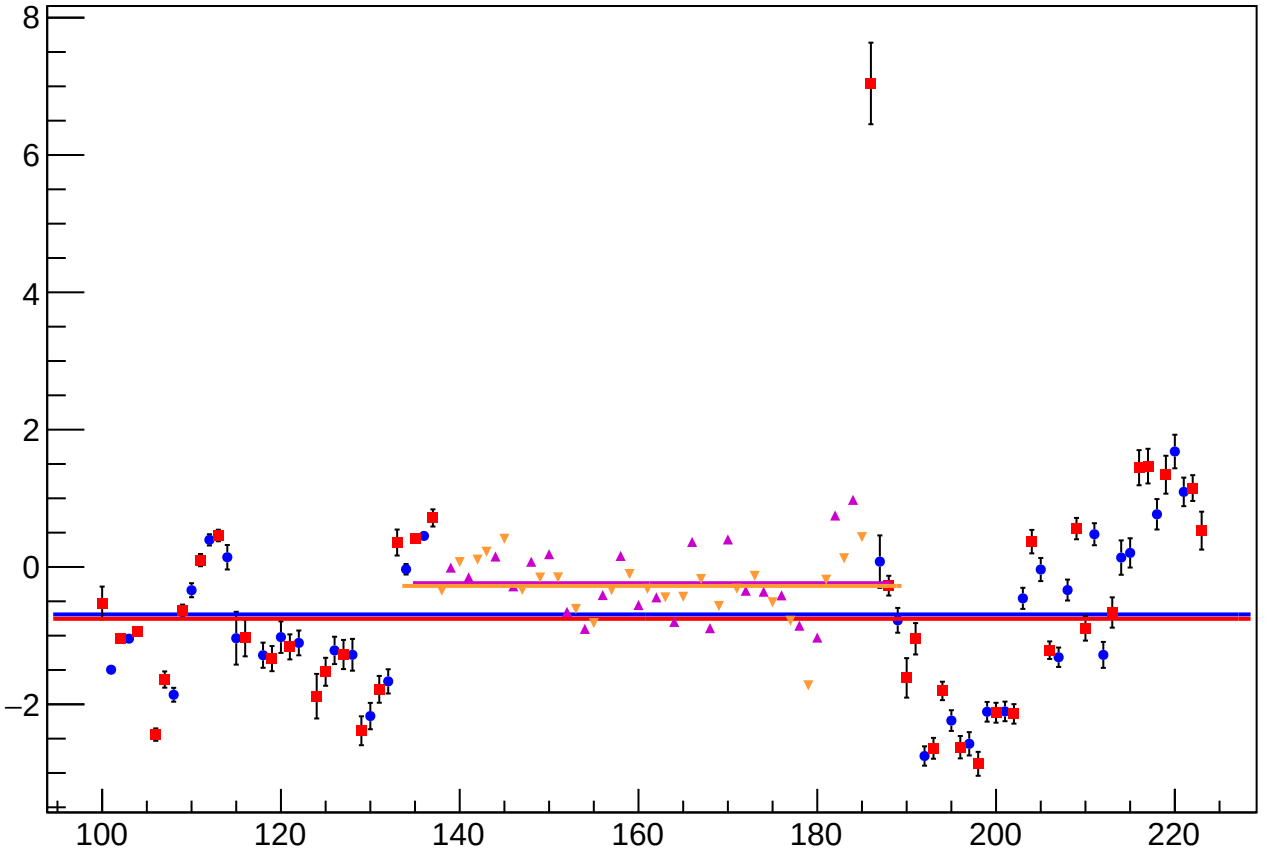
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 110.968+/-0.182 χ^2/NDF: 17639.4/58

All: 110.208+/-0.130 χ^2/NDF: 32822.0/120

- sign 109.414+/-0.186 χ^2/NDF: 15146.9/61

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691+/-0.022 χ^2/NDF: 2107.5/33

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.755+/-0.021 χ^2/NDF: 2664.4/38

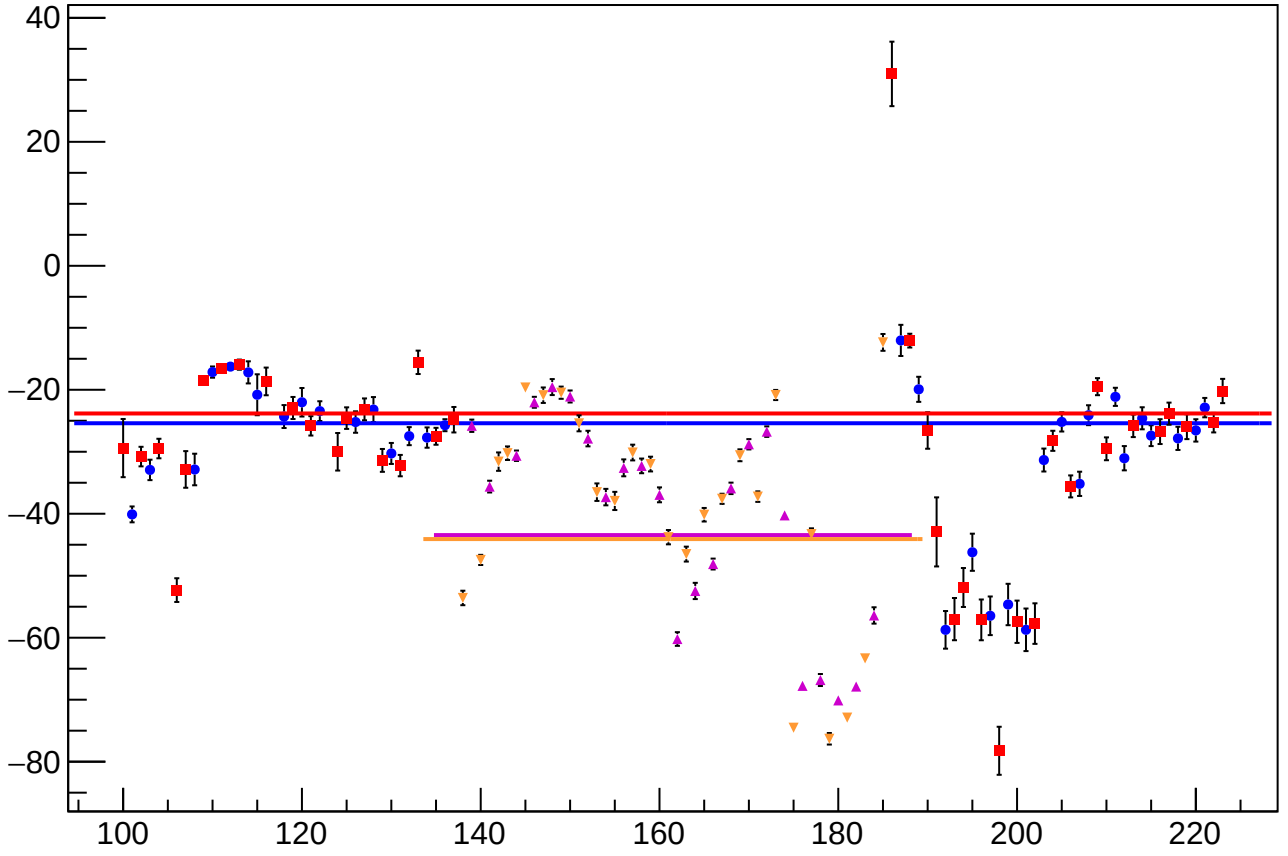
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.336+/-0.008 χ^2/NDF: 4540.2/58

All: -0.327+/-0.006 χ^2/NDF: 10666.4/120

- sign -0.318+/-0.008 χ^2/NDF: 6123.7/61

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.400+/-0.278 χ^2/NDF: 966.8/33

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.825+/-0.263 χ^2/NDF: 1566.3/38

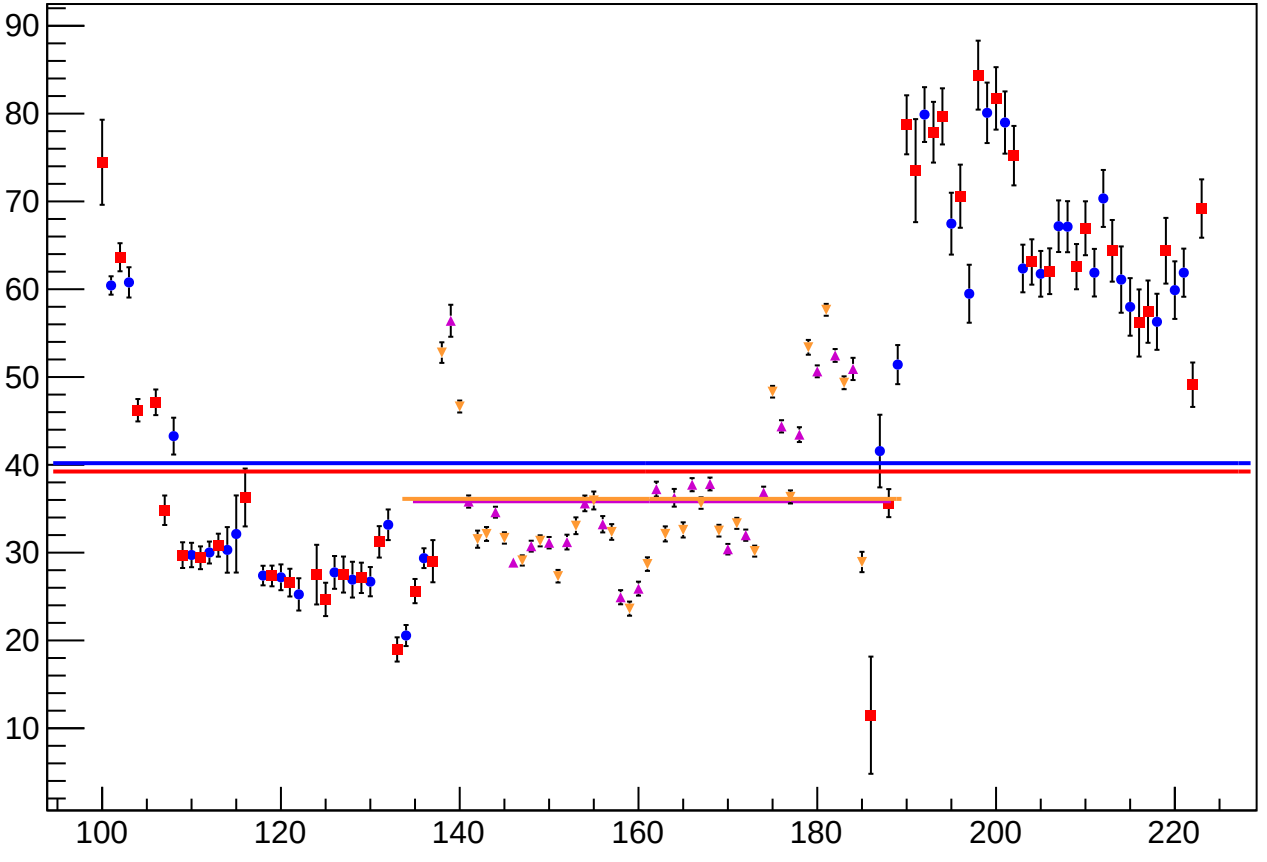
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -38.020+/-0.159 χ^2/NDF: 14350.3/58

All: -37.162+/-0.112 χ^2/NDF: 27341.7/120

- sign -36.307+/-0.159 χ^2/NDF: 12933.1/61

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 40.189+/-0.333 χ^2/NDF: 2640.3/33

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 39.240+/-0.327 χ^2/NDF: 2671.1/38

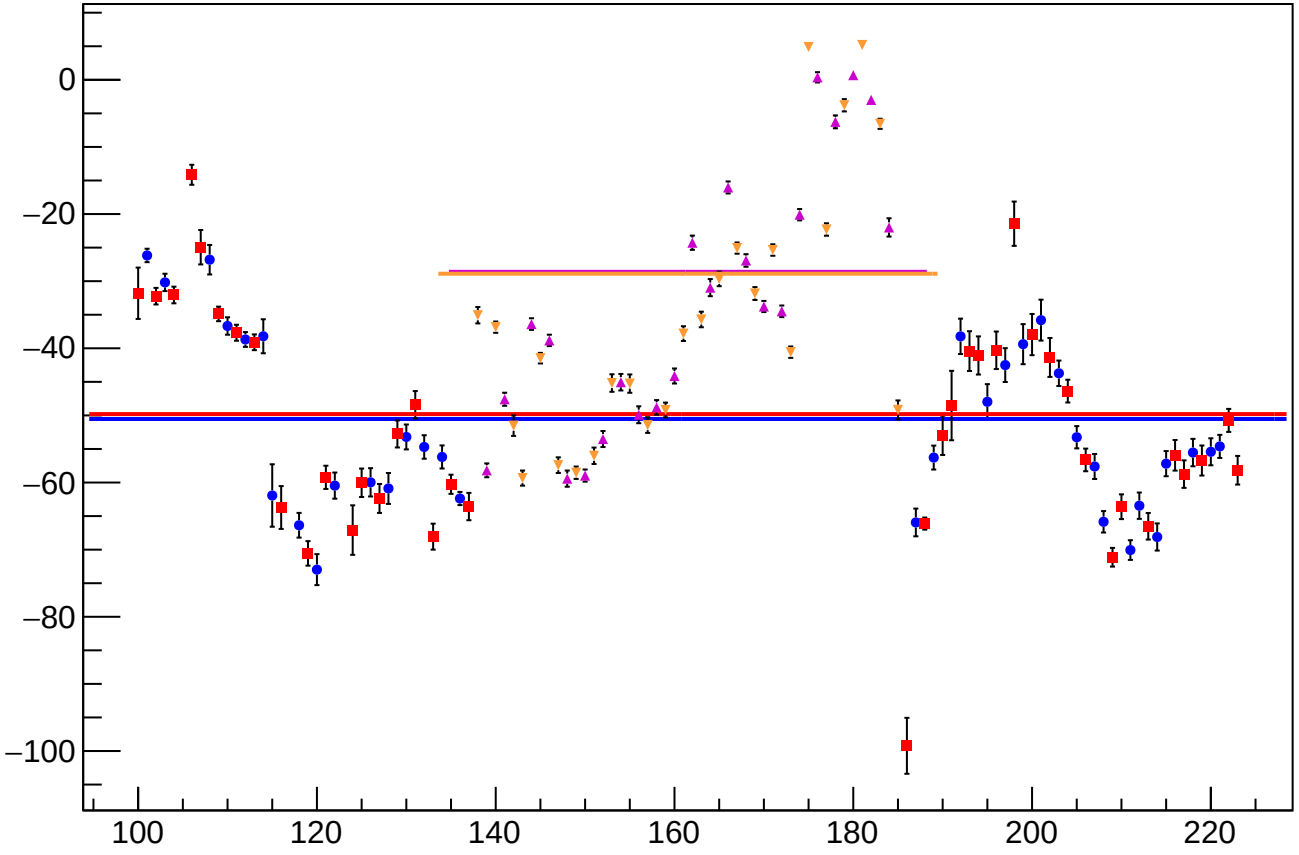
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.810+/-0.137 χ^2/NDF: 6323.0/58

All: 36.645+/-0.098 χ^2/NDF: 11378.1/120

- sign 36.472+/-0.140 χ^2/NDF: 5052.0/61

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -50.532+/-0.299 χ^2/NDF: 2200.4/33

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.804+/-0.288 χ^2/NDF: 2953.3/38

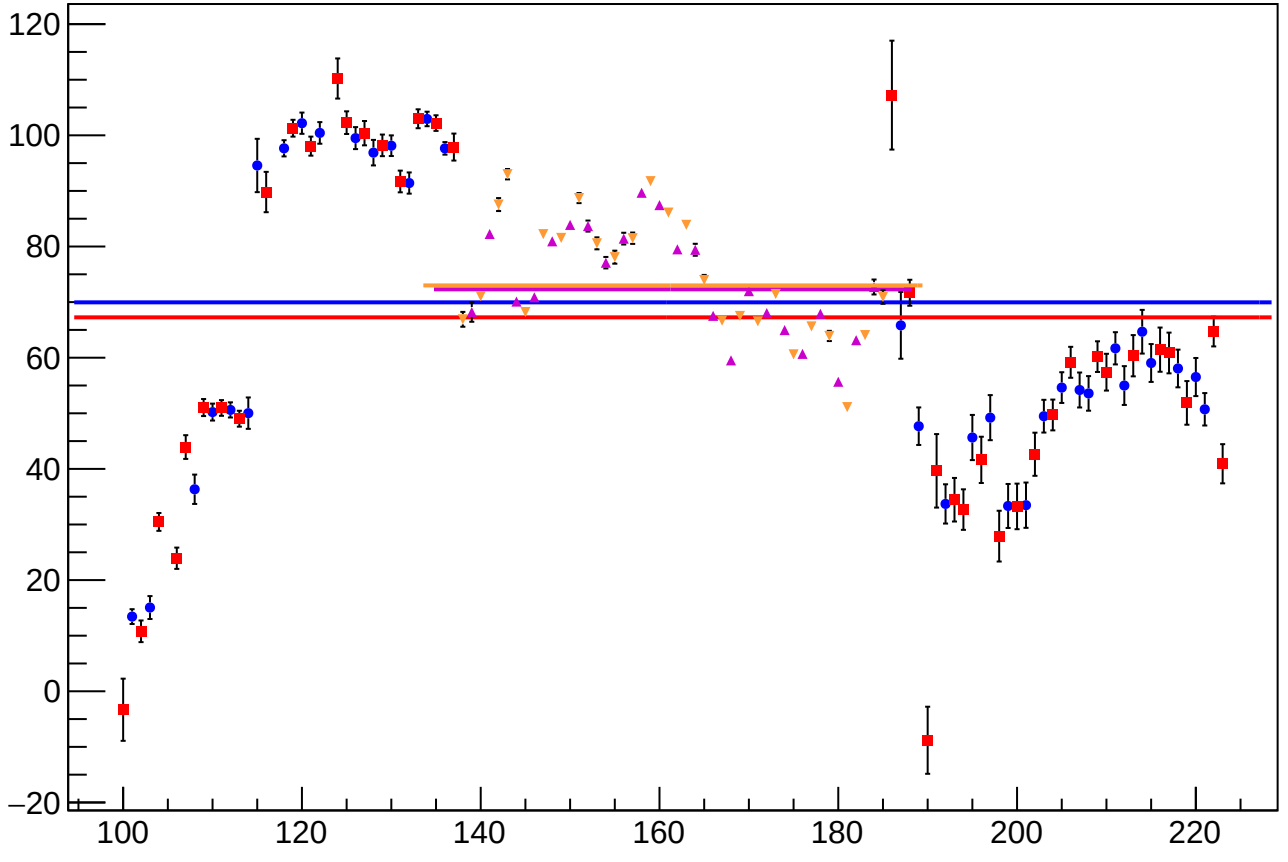
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -35.249+/-0.162 χ^2/NDF: 17701.8/58

All: -35.326+/-0.115 χ^2/NDF: 34355.4/120

\- sign -35.404+/-0.163 χ^2/NDF: 16653.2/61

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 69.957+/-0.378 χ^2/NDF: 6589.0/33

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.257+/-0.375 χ^2/NDF: 6449.0/38

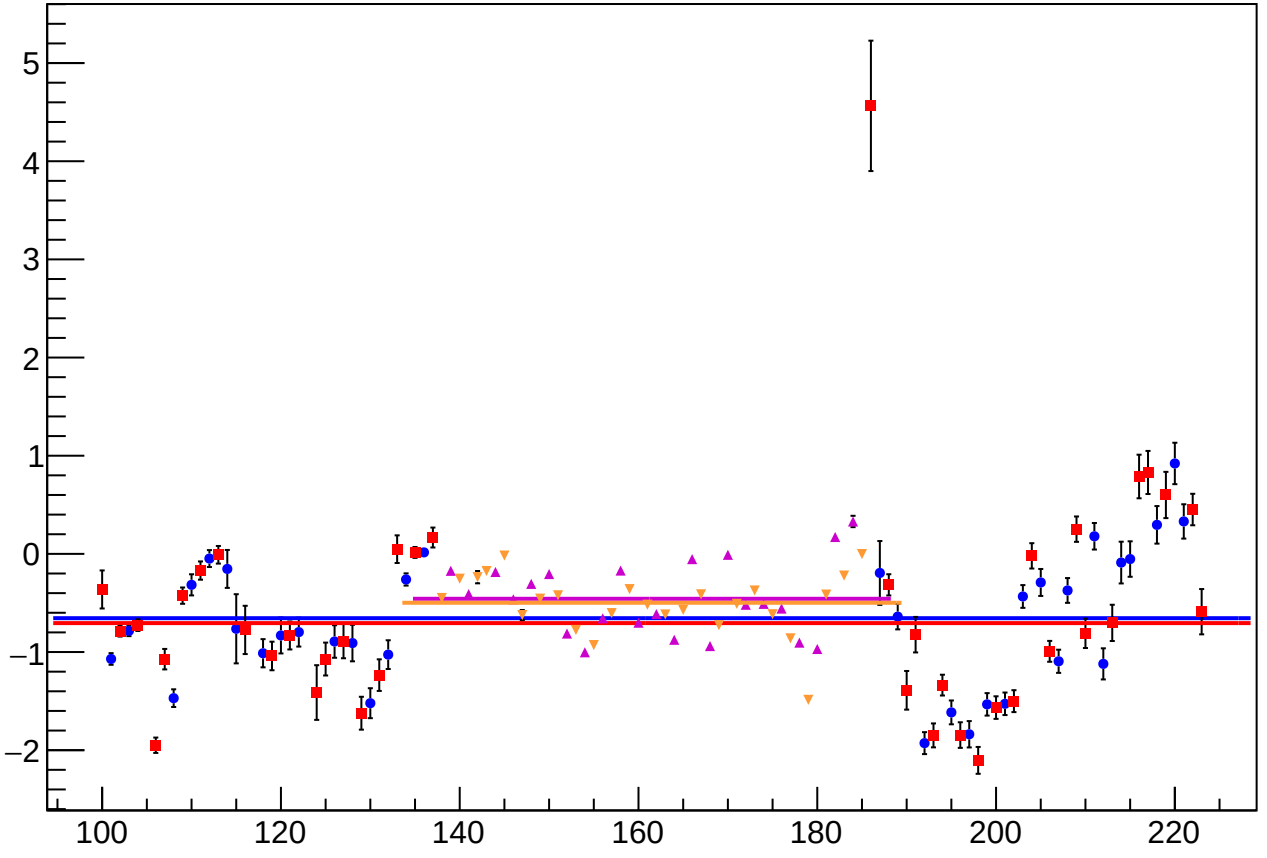
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.497+/-0.154 χ^2/NDF: 10695.6/58

All: 71.967+/-0.110 χ^2/NDF: 20230.4/120

- sign 71.414+/-0.157 χ^2/NDF: 9510.7/61

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.655+/-0.018 χ^2/NDF: 1105.5/33

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.705+/-0.018 χ^2/NDF: 1473.5/38

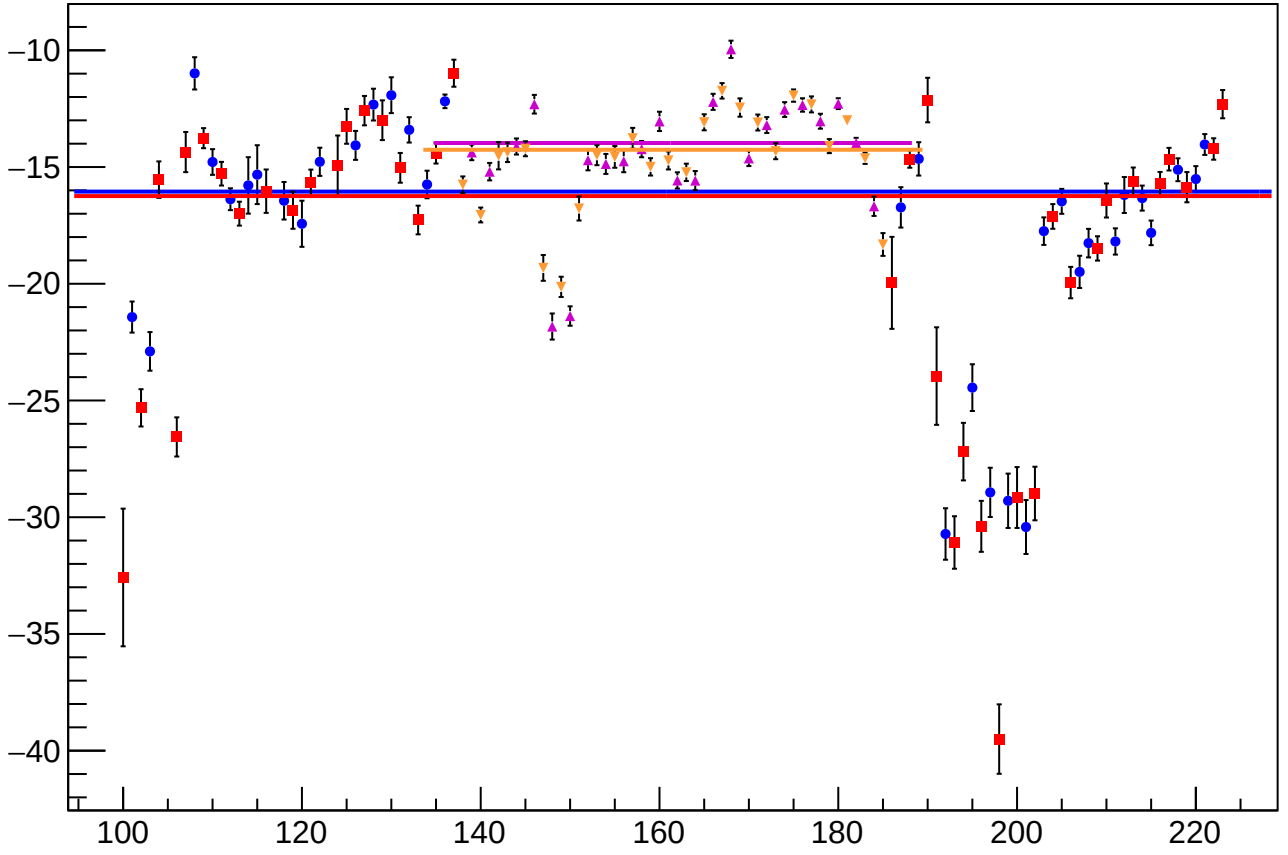
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.521+/-0.007 χ^2/NDF: 2650.6/58

All: -0.508+/-0.005 χ^2/NDF: 6390.4/120

- sign -0.495+/-0.007 χ^2/NDF: 3733.1/61

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.052+/-0.107 χ^2/NDF: 1251.2/33

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.244+/-0.106 χ^2/NDF: 1596.6/38

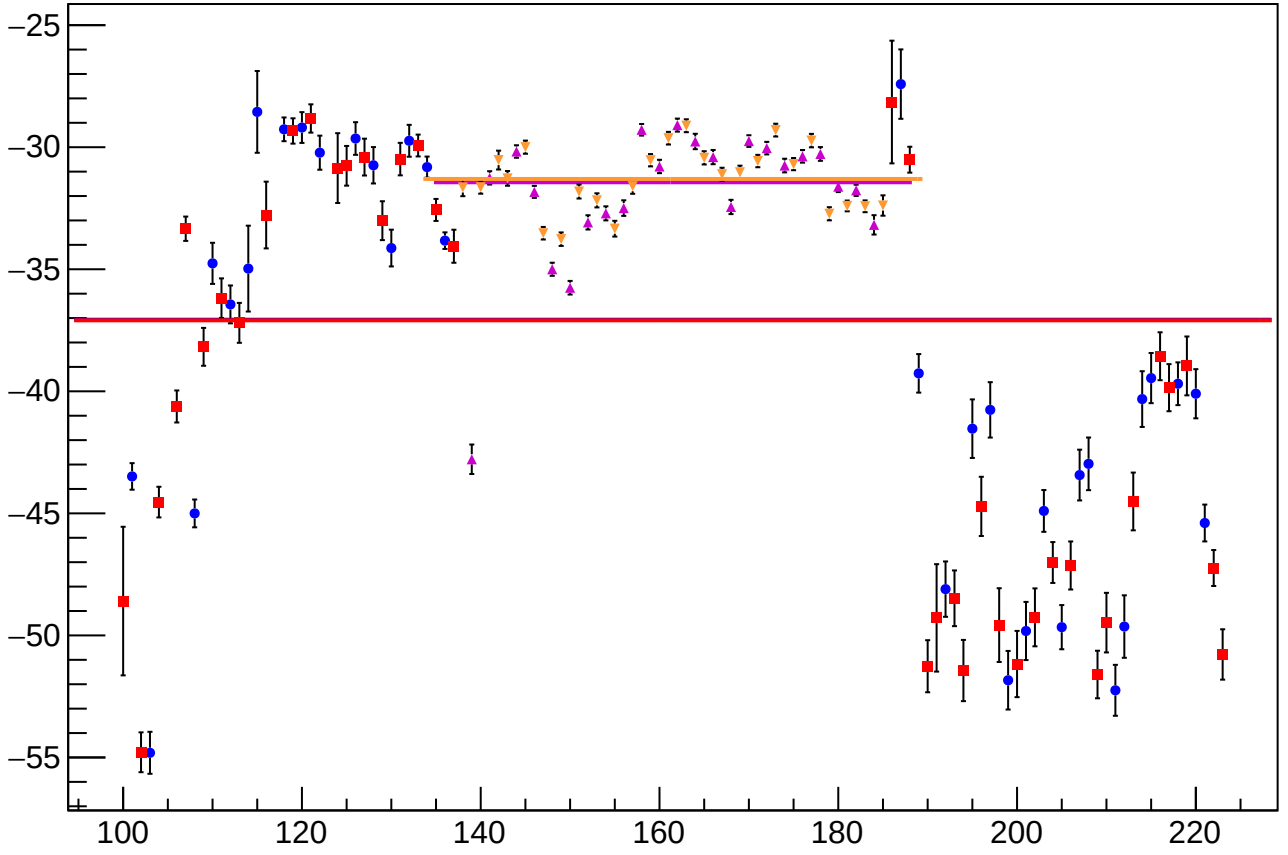
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.796+/-0.058 χ^2/NDF: 2172.8/58

All: -14.744+/-0.042 χ^2/NDF: 4995.5/120

- sign -14.690+/-0.059 χ^2/NDF: 2821.0/61

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -37.068+/-0.129 χ^2/NDF: 3186.8/33

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -37.091+/-0.128 χ^2/NDF: 3722.7/38

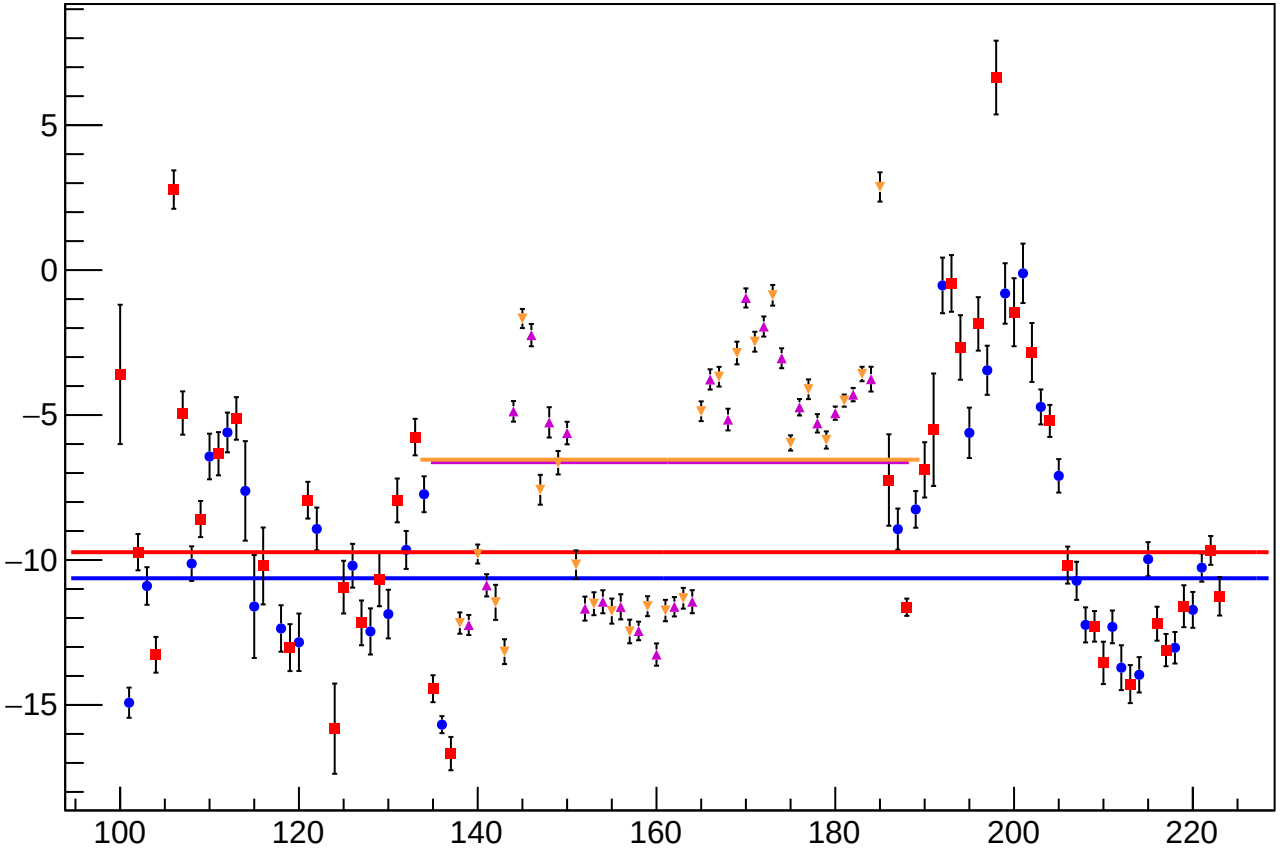
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -32.193+/-0.051 χ^2/NDF: 5426.5/58

All: -32.284+/-0.036 χ^2/NDF: 11999.3/120

- sign -32.381+/-0.052 χ^2/NDF: 6566.1/61

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.630+/-0.111 χ^2/NDF: 1147.1/33

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.731+/-0.110 χ^2/NDF: 1602.7/38

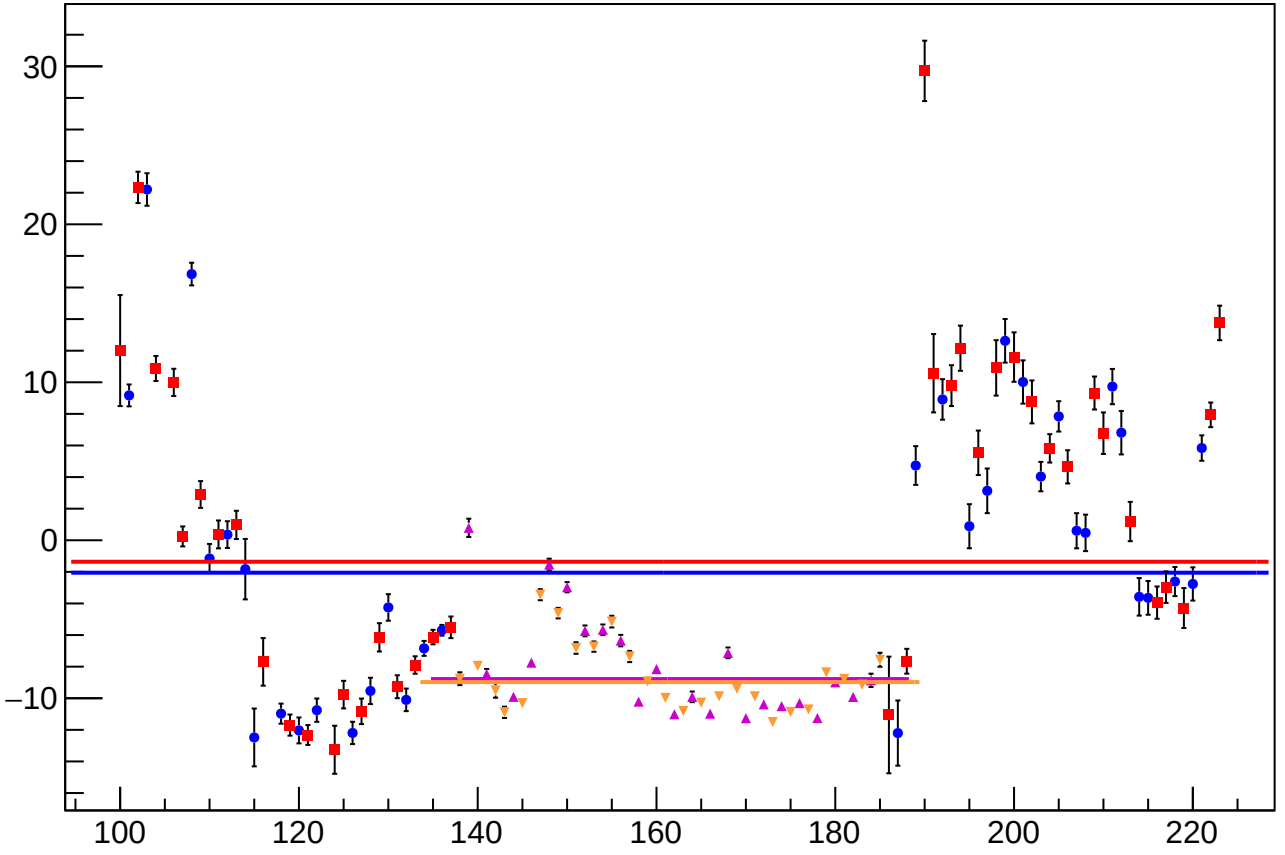
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.687+/-0.059 χ^2/NDF: 5359.7/58

All: -7.619+/-0.042 χ^2/NDF: 10435.3/120

- sign -7.549+/-0.060 χ^2/NDF: 5072.9/61

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -2.052+/-0.145 χ^2/NDF: 3425.3/33

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.360+/-0.146 χ^2/NDF: 3635.8/38

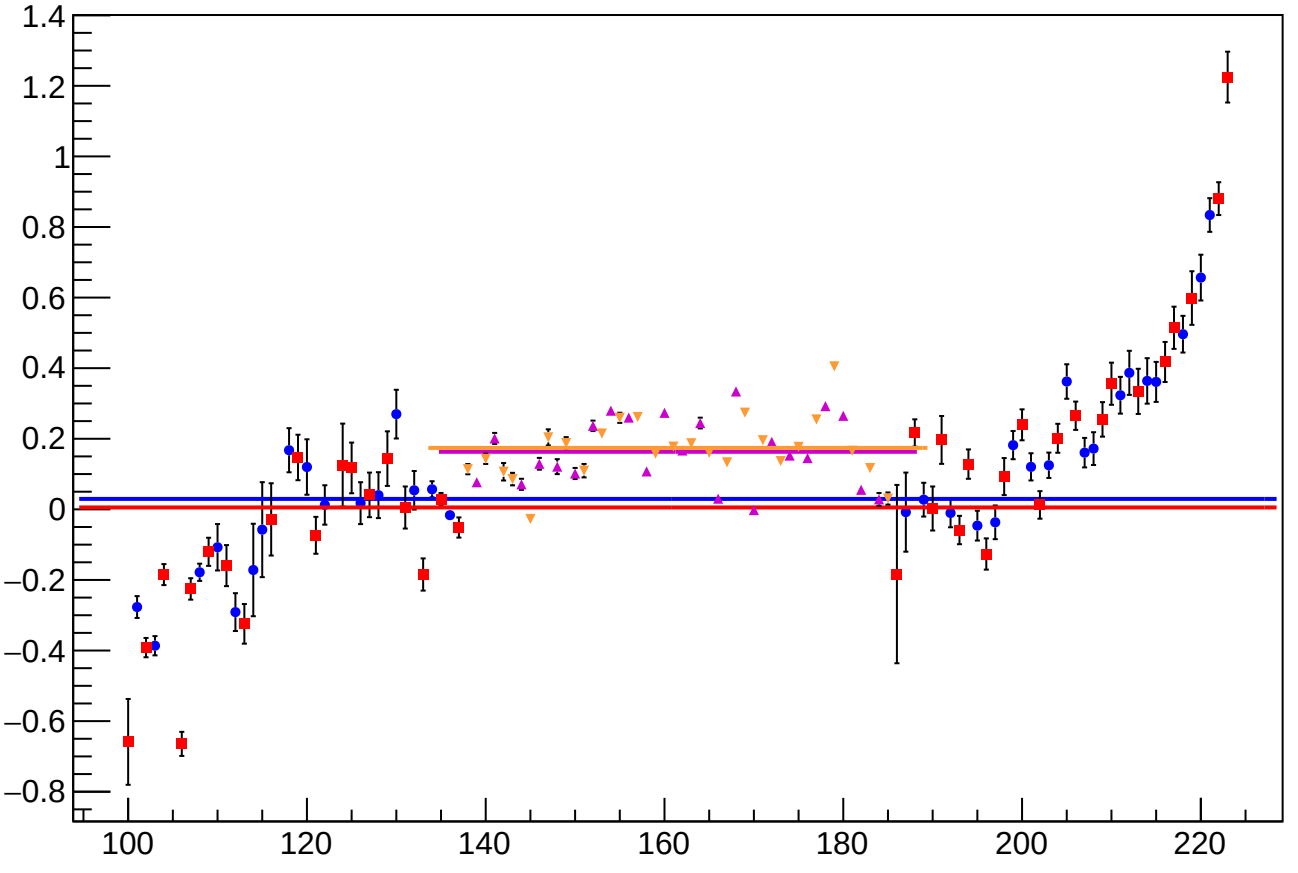
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -7.919+/-0.057 χ^2/NDF: 6337.1/58

All: -7.771+/-0.041 χ^2/NDF: 13836.6/120

- sign -7.613+/-0.058 χ^2/NDF: 7485.3/61

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.030+/-0.007 χ^2/NDF: 1160.5/33

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: 0.005+/-0.007 χ^2/NDF: 1882.4/38

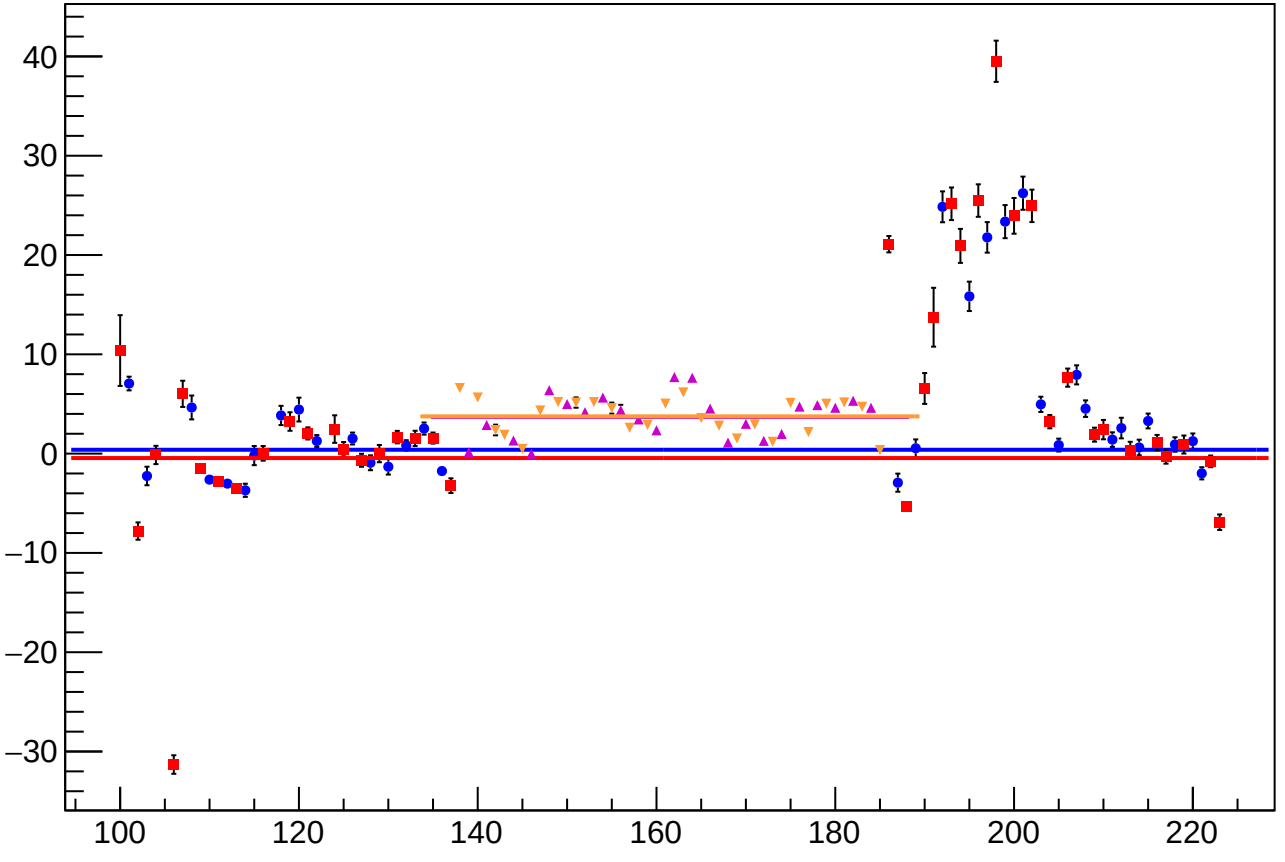
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.154+/-0.003 χ^2/NDF: 2470.9/58

All: 0.148+/-0.002 χ^2/NDF: 5993.4/120

- sign 0.142+/-0.003 χ^2/NDF: 3510.9/61

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.389+/-0.114 χ^2/NDF: 1621.0/33

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.447+/-0.108 χ^2/NDF: 3936.6/38

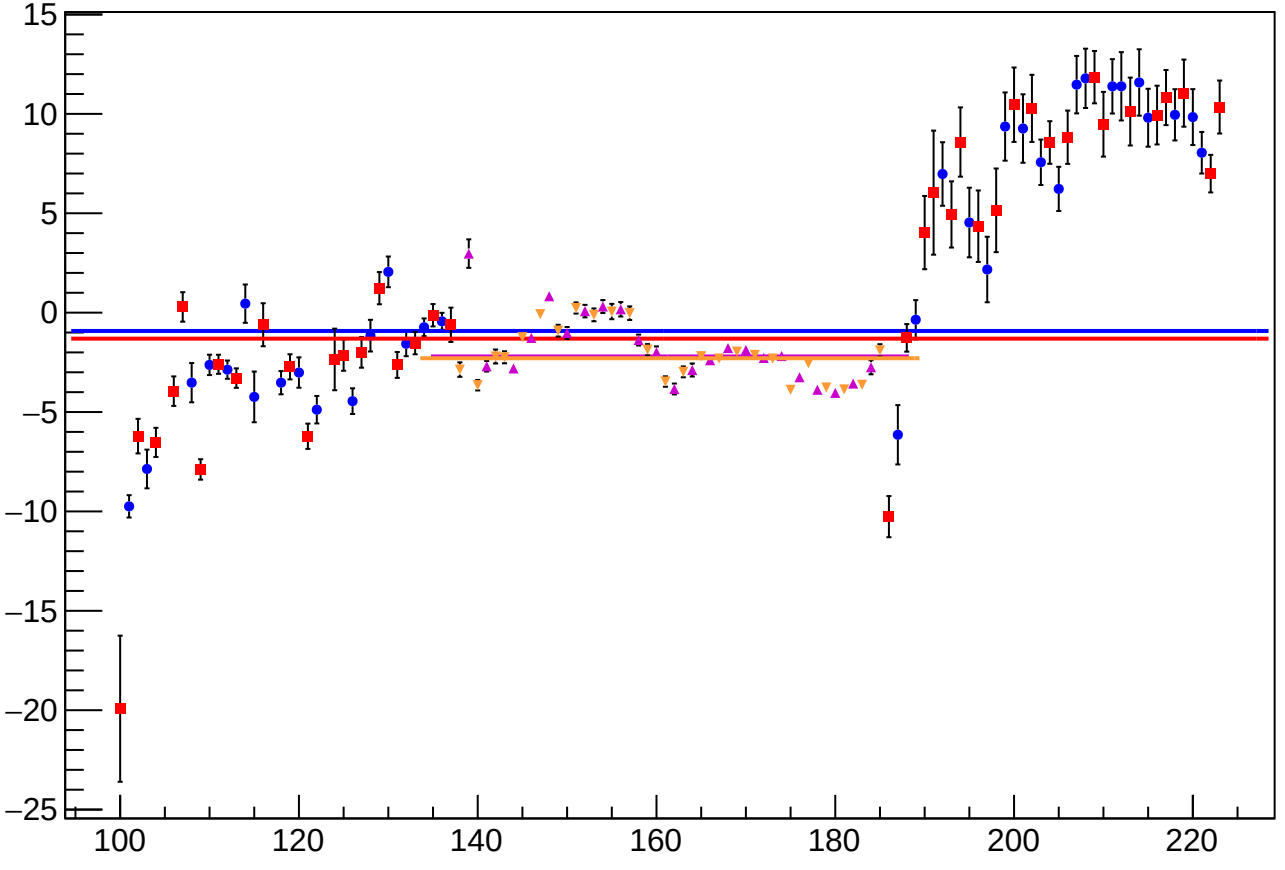
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.982+/-0.054 χ^2/NDF: 3102.4/58

All: 2.799+/-0.039 χ^2/NDF: 9105.2/120

- sign 2.612+/-0.055 χ^2/NDF: 5979.8/61

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -0.921+/-0.141 χ^2/NDF: 1258.9/33

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.308+/-0.140 χ^2/NDF: 1312.8/38

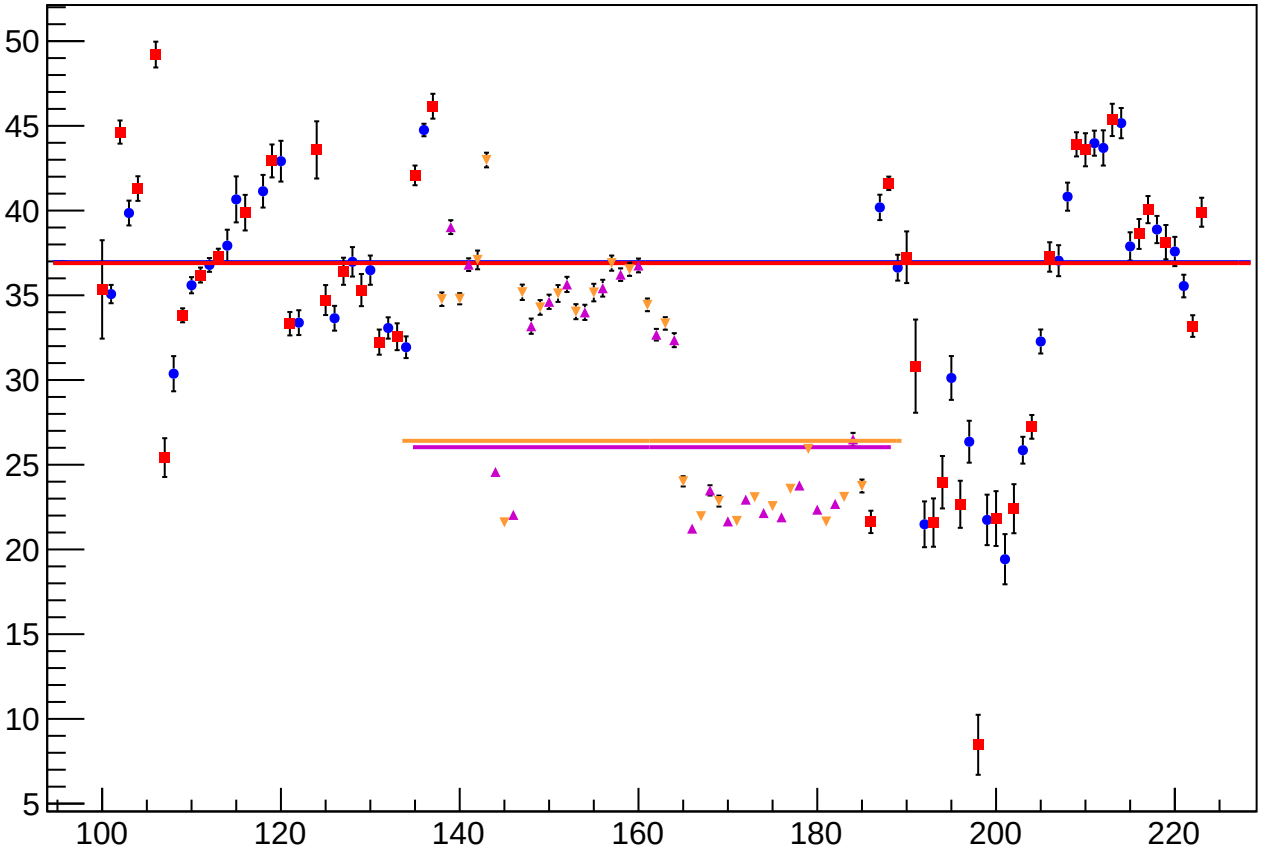
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.143+/-0.047 χ^2/NDF: 1974.9/58

All: -2.122+/-0.033 χ^2/NDF: 4049.2/120

- sign -2.100+/-0.048 χ^2/NDF: 2073.9/61

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.956+/-0.127 χ^2/NDF: 1702.7/33

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.899+/-0.123 χ^2/NDF: 2888.8/38

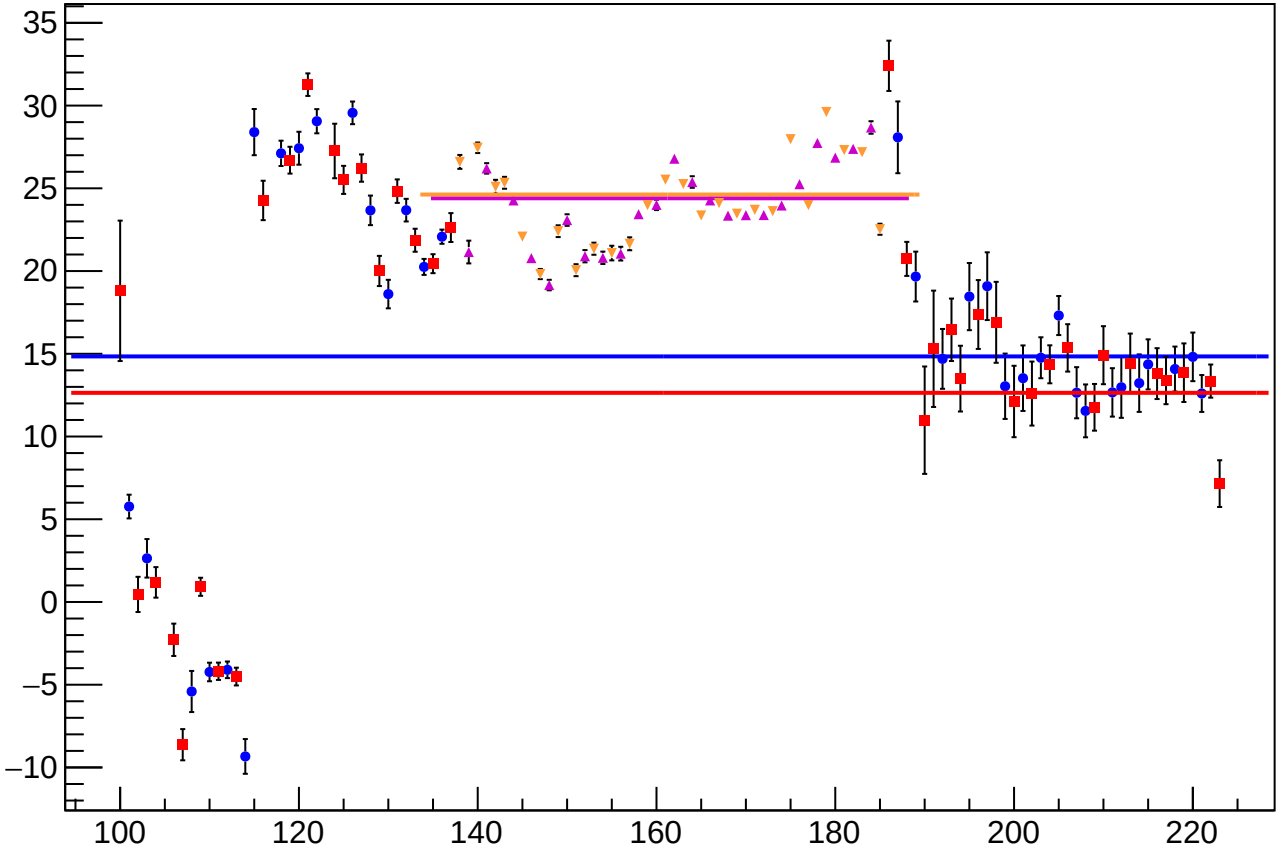
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 28.448+/-0.056 χ^2/NDF: 16463.7/58

All: 28.399+/-0.040 χ^2/NDF: 33355.9/120

- sign 28.349+/-0.057 χ^2/NDF: 16890.6/61

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.841+/-0.157 χ^2/NDF: 5761.8/33

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.640+/-0.158 χ^2/NDF: 6390.6/38

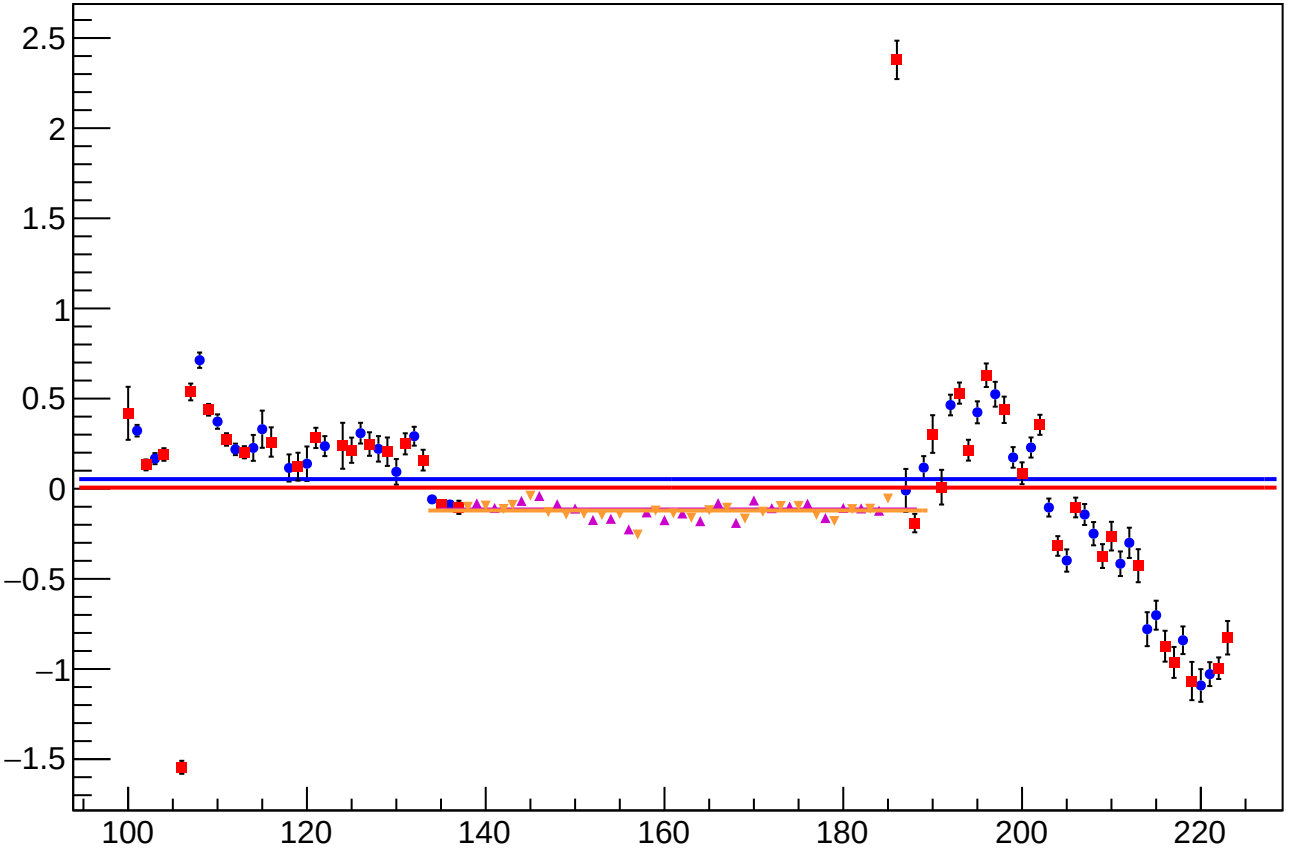
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.549+/-0.052 χ^2/NDF: 11167.1/58

All: 23.313+/-0.037 χ^2/NDF: 24226.3/120

- sign 23.066+/-0.053 χ^2/NDF: 13017.0/61

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.053+/-0.008 χ^2/NDF: 1616.2/33

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.006+/-0.008 χ^2/NDF: 4005.6/38

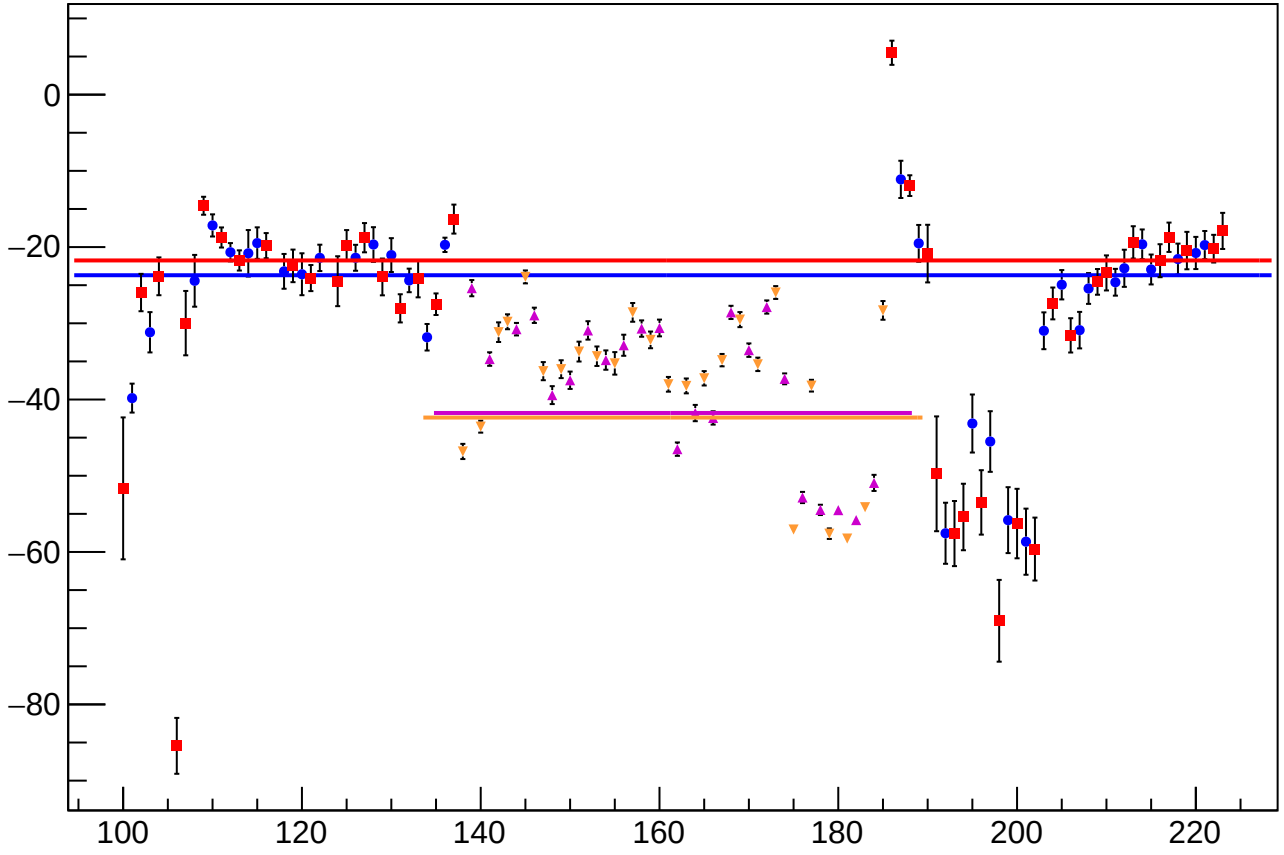
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.106+/-0.002 χ^2/NDF: 2305.3/58

All: -0.106+/-0.002 χ^2/NDF: 6800.0/120

- sign -0.105+/-0.002 χ^2/NDF: 4494.7/61

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.693+/-0.341 χ^2/NDF: 469.1/33

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.752+/-0.335 χ^2/NDF: 1210.9/38

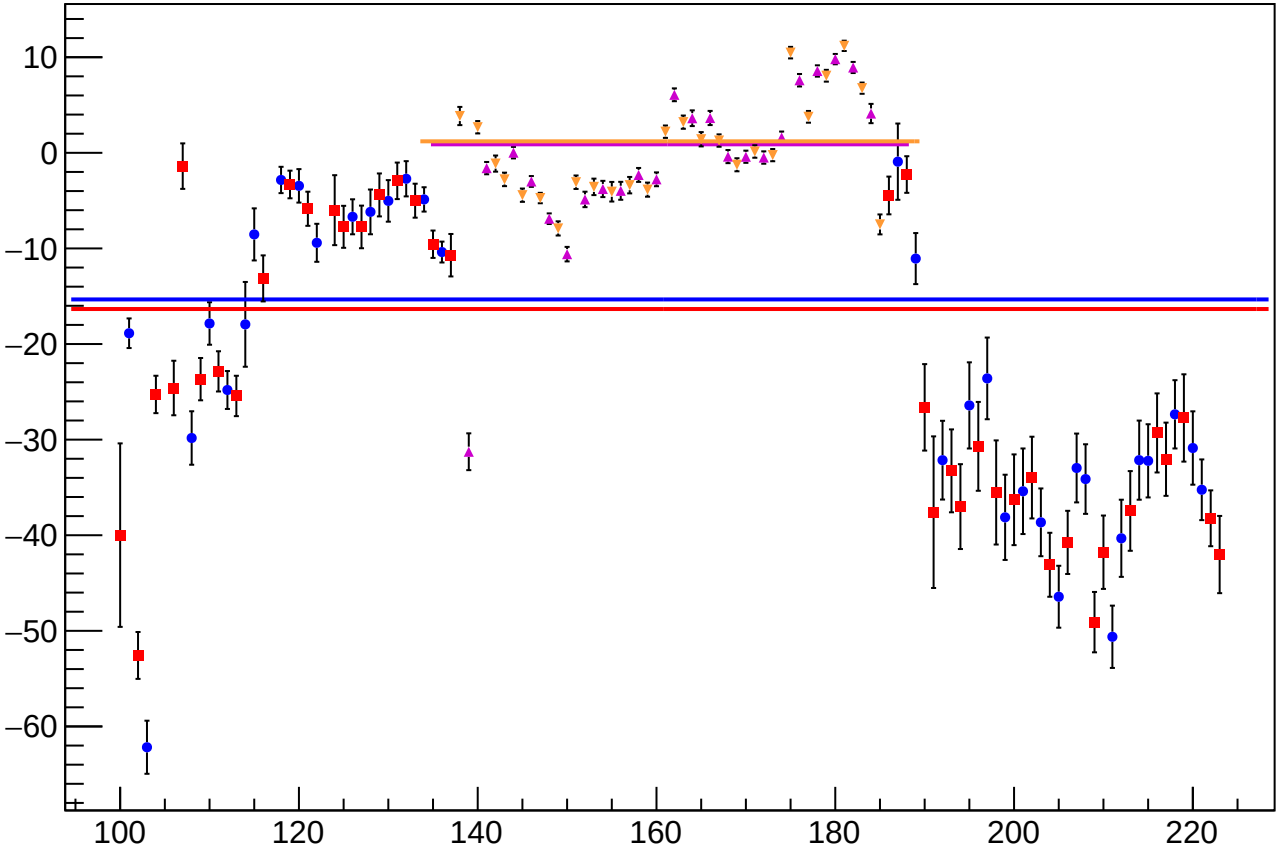
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -38.475+/-0.156 χ^2/NDF: 7313.2/58

All: -37.856+/-0.112 χ^2/NDF: 14777.9/120

- sign -37.206+/-0.160 χ^2/NDF: 7432.4/61

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -15.335+/-0.402 χ^2/NDF: 1212.7/33

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -16.338+/-0.410 χ^2/NDF: 1256.1/38

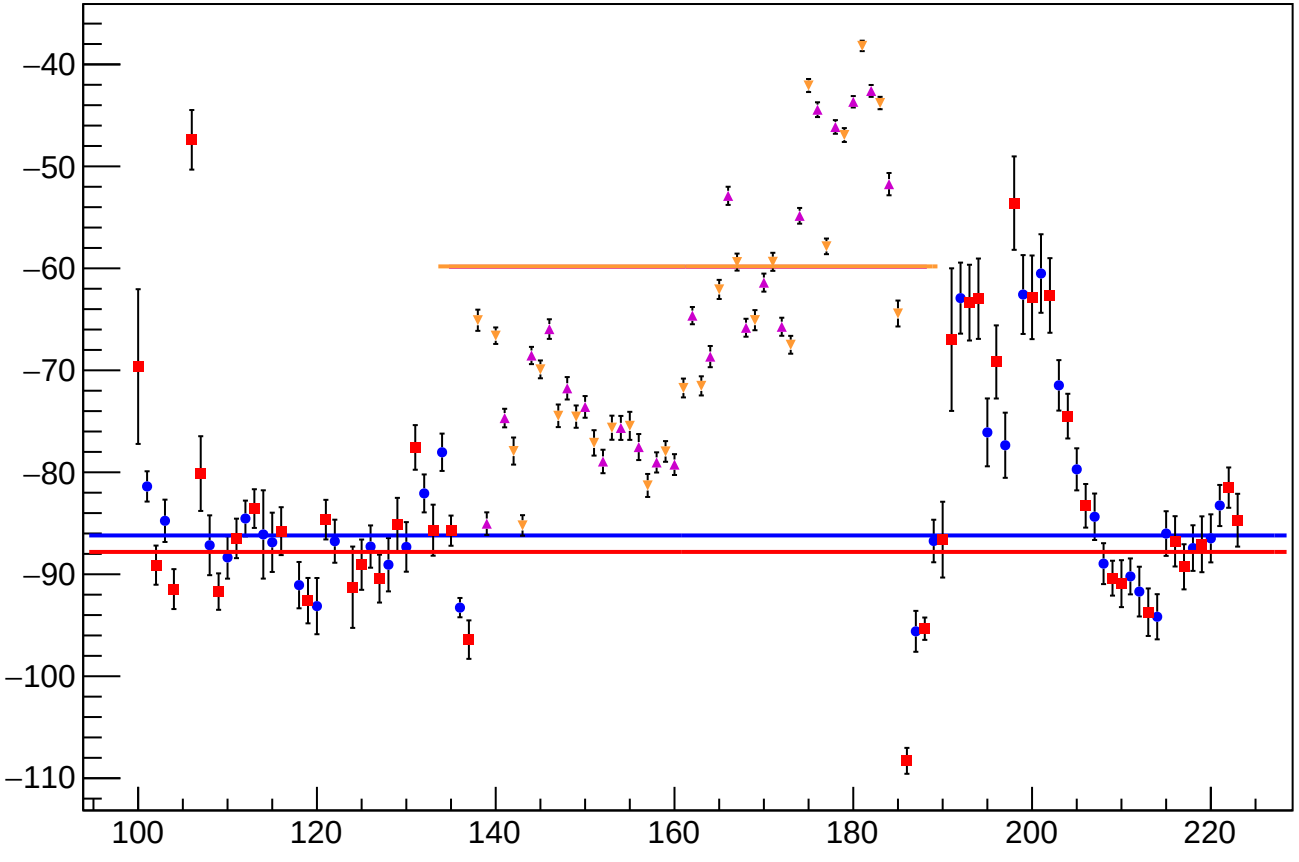
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

\+ sign -0.543+/-0.131 χ^2/NDF: 4189.9/58

All: -0.755+/-0.094 χ^2/NDF: 8791.2/120

\- sign -0.980+/-0.135 χ^2/NDF: 4595.9/61

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -86.192+/-0.363 χ^2/NDF: 345.3/33

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.809+/-0.356 χ^2/NDF: 902.8/38

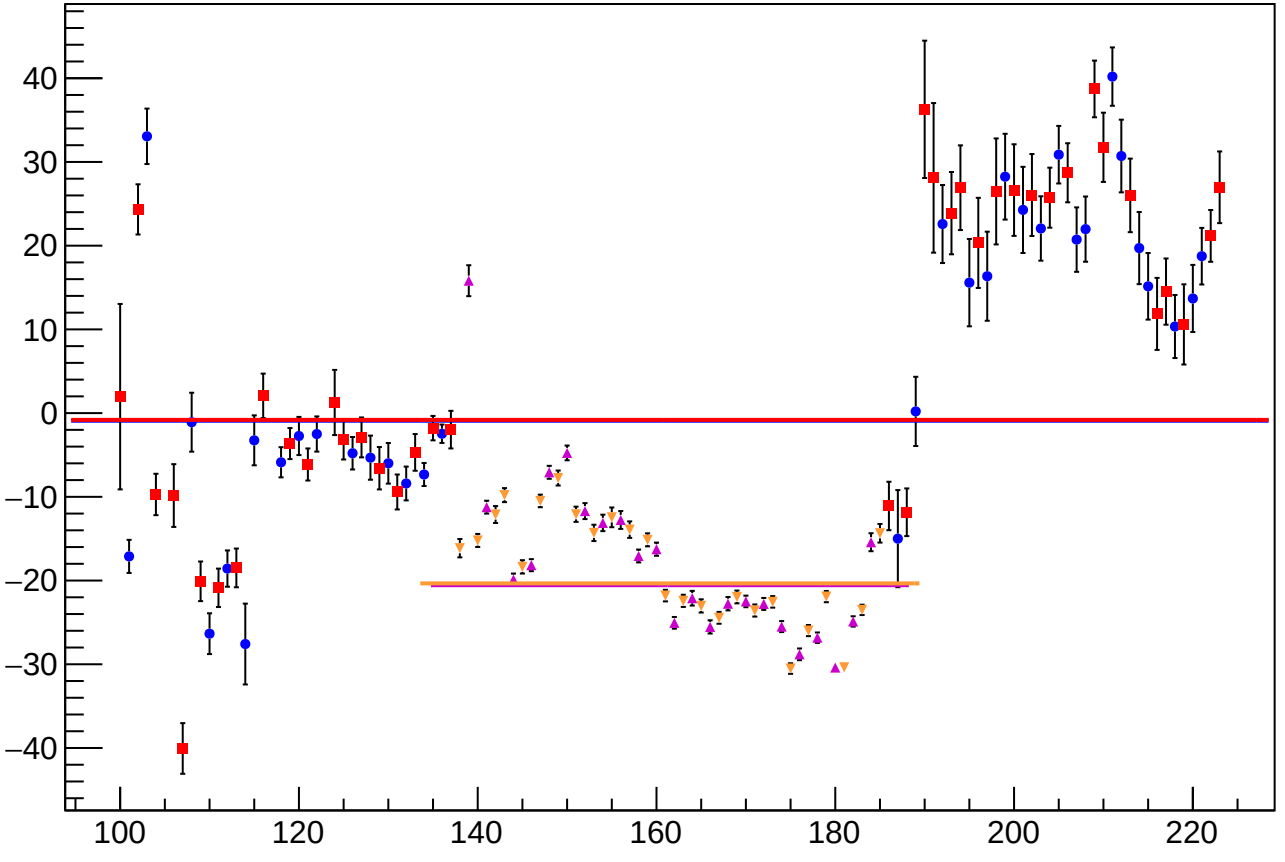
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -64.794+/-0.158 χ^2/NDF: 11270.2/58

All: -65.187+/-0.113 χ^2/NDF: 22625.0/120

- sign -65.597+/-0.161 χ^2/NDF: 11342.1/61

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -0.907+/-0.451 χ^2/NDF: 1019.3/33

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -0.808+/-0.468 χ^2/NDF: 1183.6/38

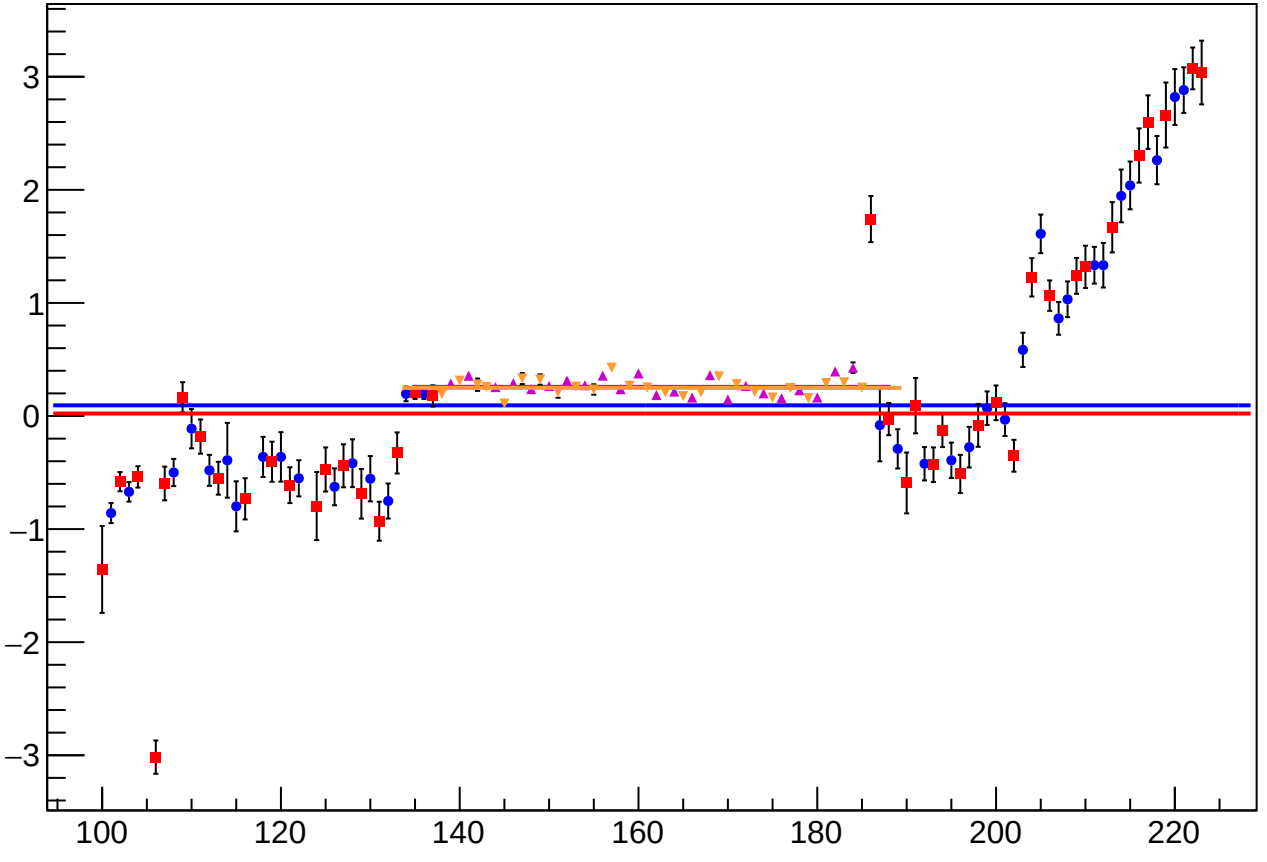
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

\+ sign -18.296+/-0.146 χ^2/NDF: 4381.9/58

All: -18.393+/-0.105 χ^2/NDF: 9356.2/120

\- sign -18.497+/-0.151 χ^2/NDF: 4973.5/61

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: 0.094+/-0.022 χ^2/NDF: 1203.1/33

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: 0.022+/-0.024 χ^2/NDF: 1732.9/38

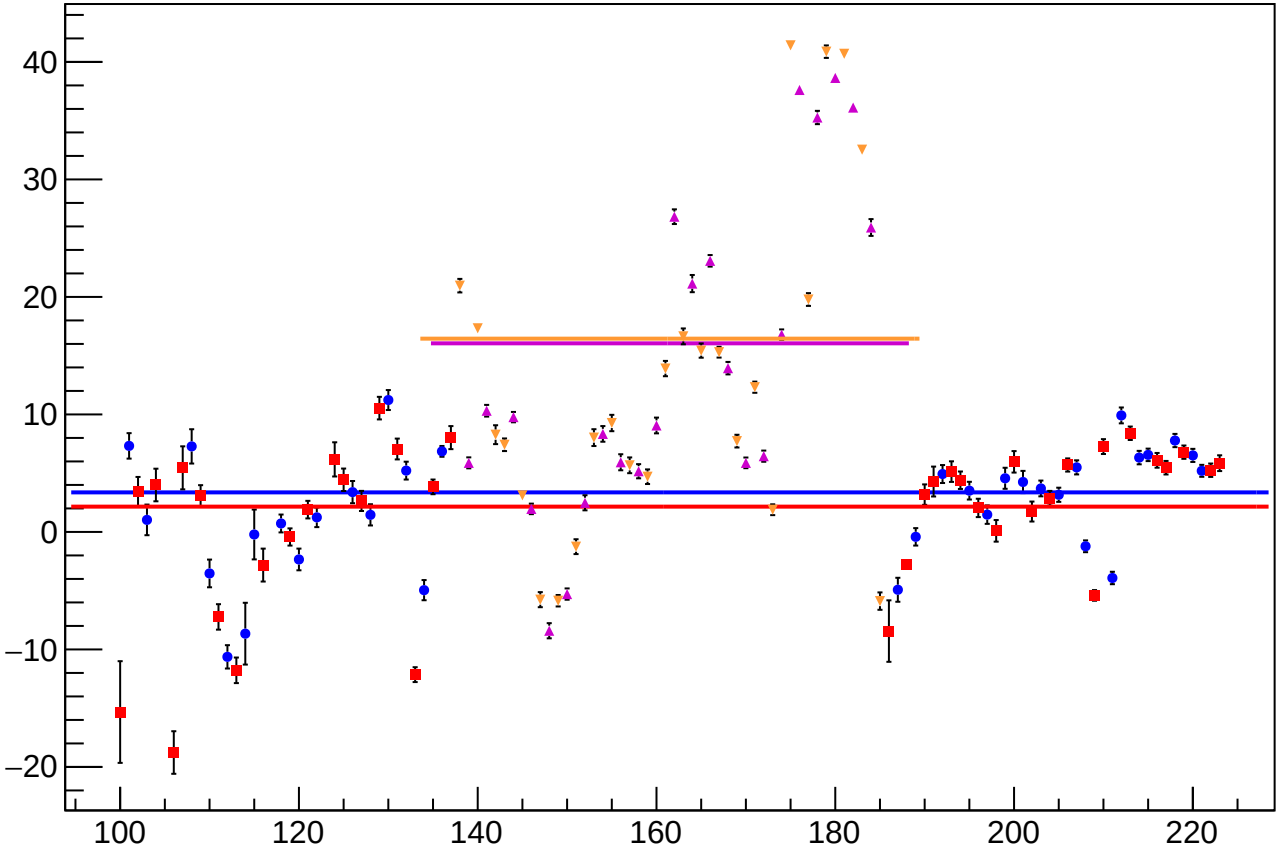
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.235+/-0.007 χ^2/NDF: 1339.4/58

All: 0.237+/-0.005 χ^2/NDF: 3297.5/120

- sign 0.238+/-0.007 χ^2/NDF: 1958.0/61

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.366+/-0.125 χ^2/NDF: 1238.0/33

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

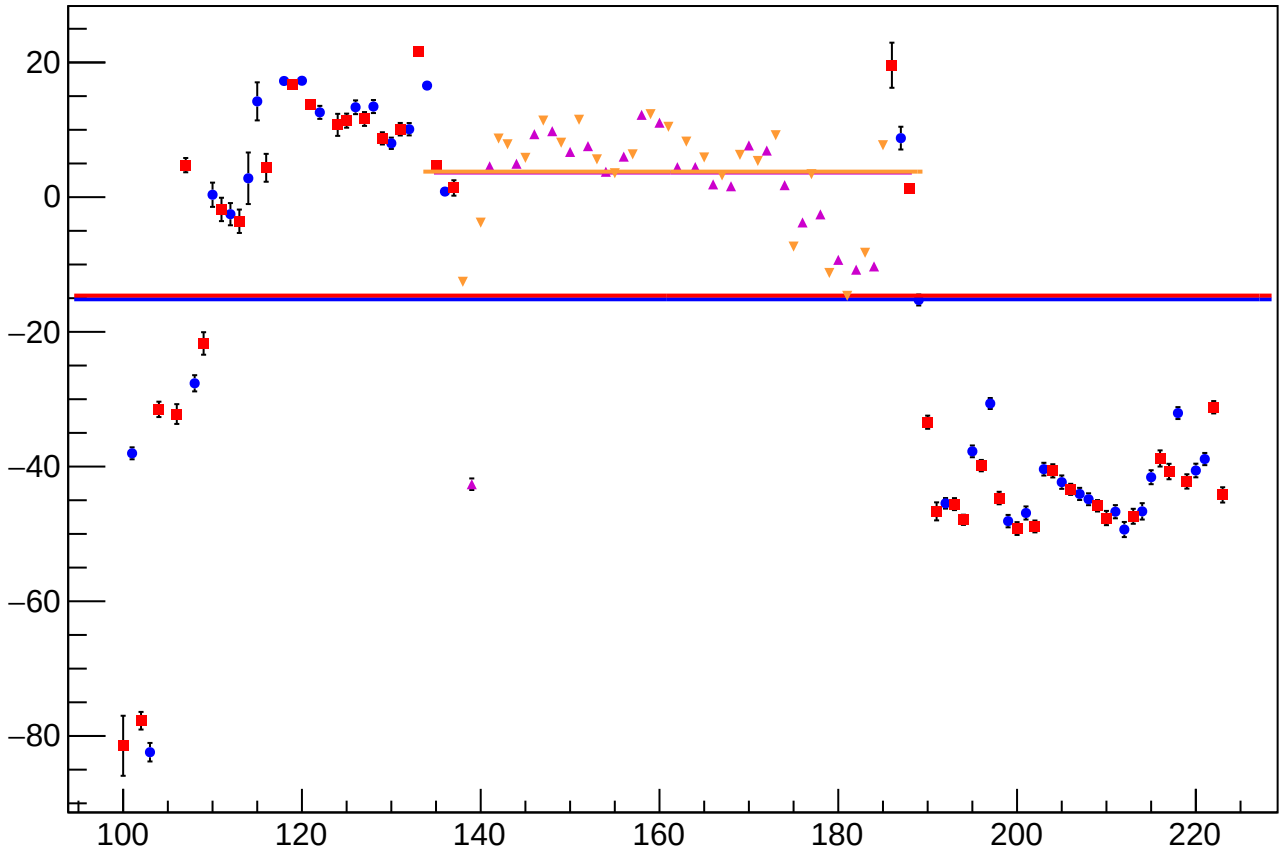
Right Out: 2.153+/-0.121 χ^2/NDF: 2032.3/38

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 11.076+/-0.080 χ^2/NDF: 29136.0/58

All: 10.516+/-0.057 χ^2/NDF: 56267.5/120

- sign 9.949+/-0.080 χ^2/NDF: 27032.5/61



Right In: -15.163+/-0.153 χ^2/NDF: 32501.9/33

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -14.615+/-0.148 χ^2/NDF: 37055.3/38

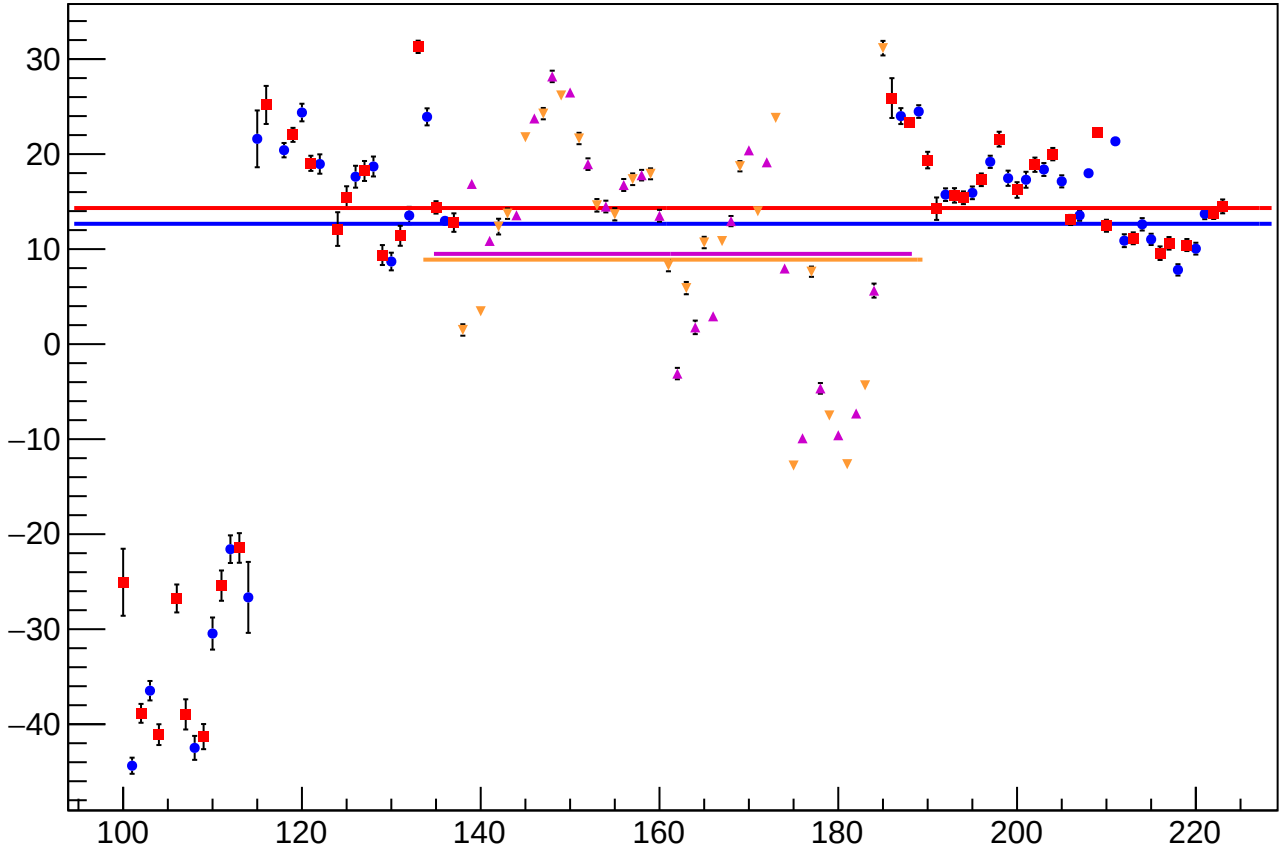
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign -0.291+/-0.071 χ^2/NDF: 53662.0/58

All: -0.507+/-0.051 χ^2/NDF: 110671.3/120

- sign -0.732+/-0.072 χ^2/NDF: 56990.4/61

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.664+/-0.126 χ^2/NDF: 11913.0/33

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

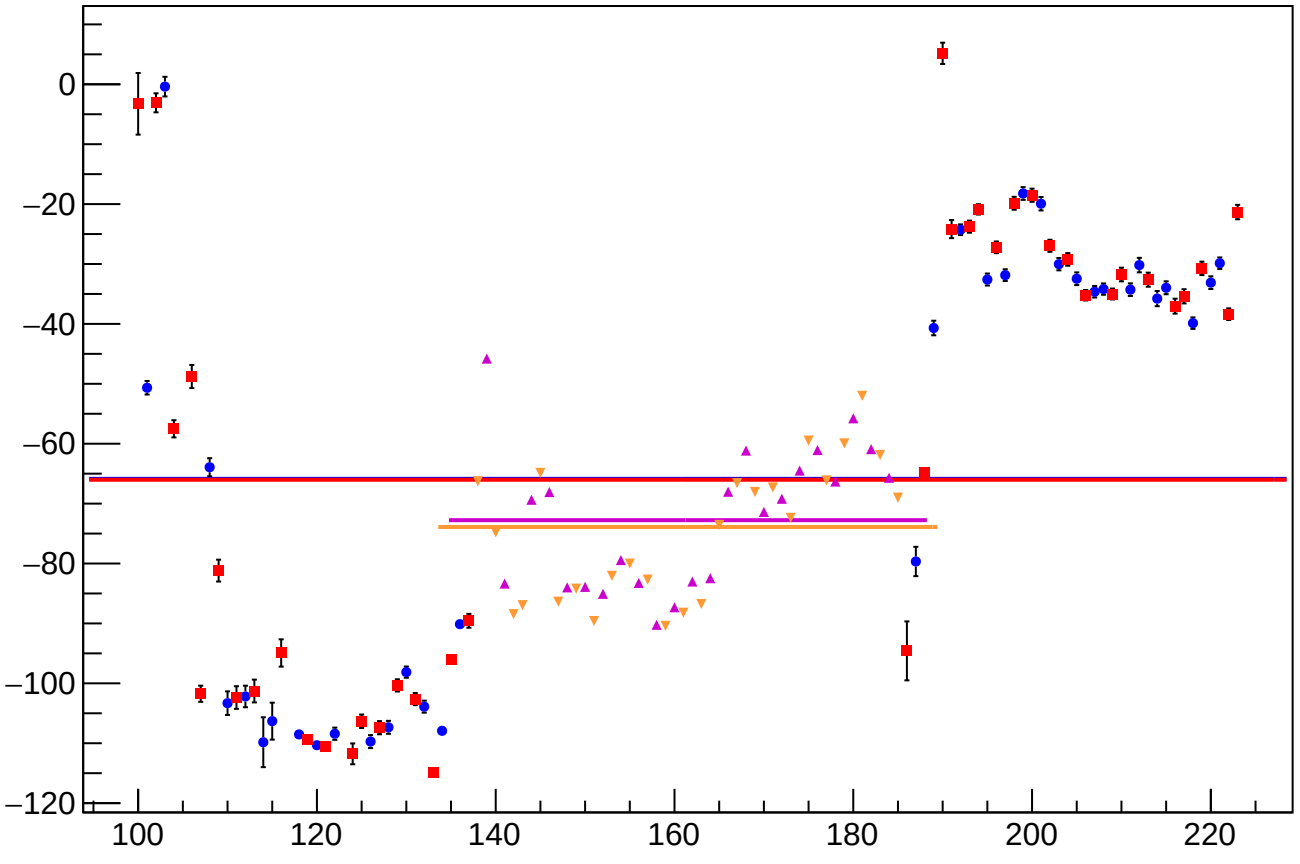
Right Out: 14.324+/-0.121 χ^2/NDF: 12913.6/38

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 10.409+/-0.080 χ^2/NDF: 27873.1/58

All: 11.010+/-0.057 χ^2/NDF: 54835.5/120

- sign 11.607+/-0.080 χ^2/NDF: 26850.4/61



Right In: -65.867+/-0.174 χ^2/NDF: 43694.9/33

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

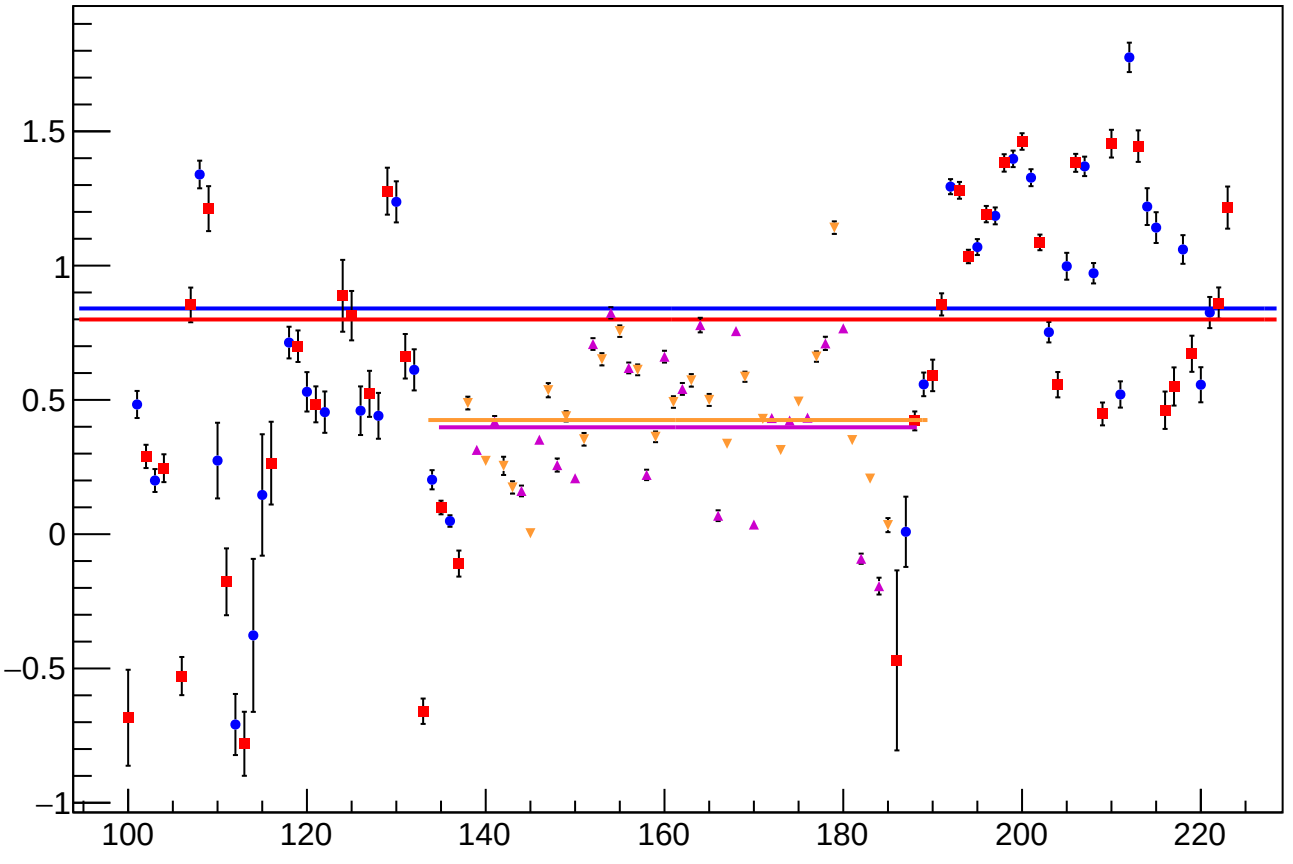
Right Out: -66.017+/-0.170 χ^2/NDF: 50911.2/38

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -72.193+/-0.080 χ^2/NDF: 60945.6/58

All: -71.709+/-0.057 χ^2/NDF: 125749.9/120

- sign -71.205+/-0.082 χ^2/NDF: 64730.0/61



Right In: 0.840+/-0.008 χ^2/NDF: 4154.7/33

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.799+/-0.008 χ^2/NDF: 5344.7/38

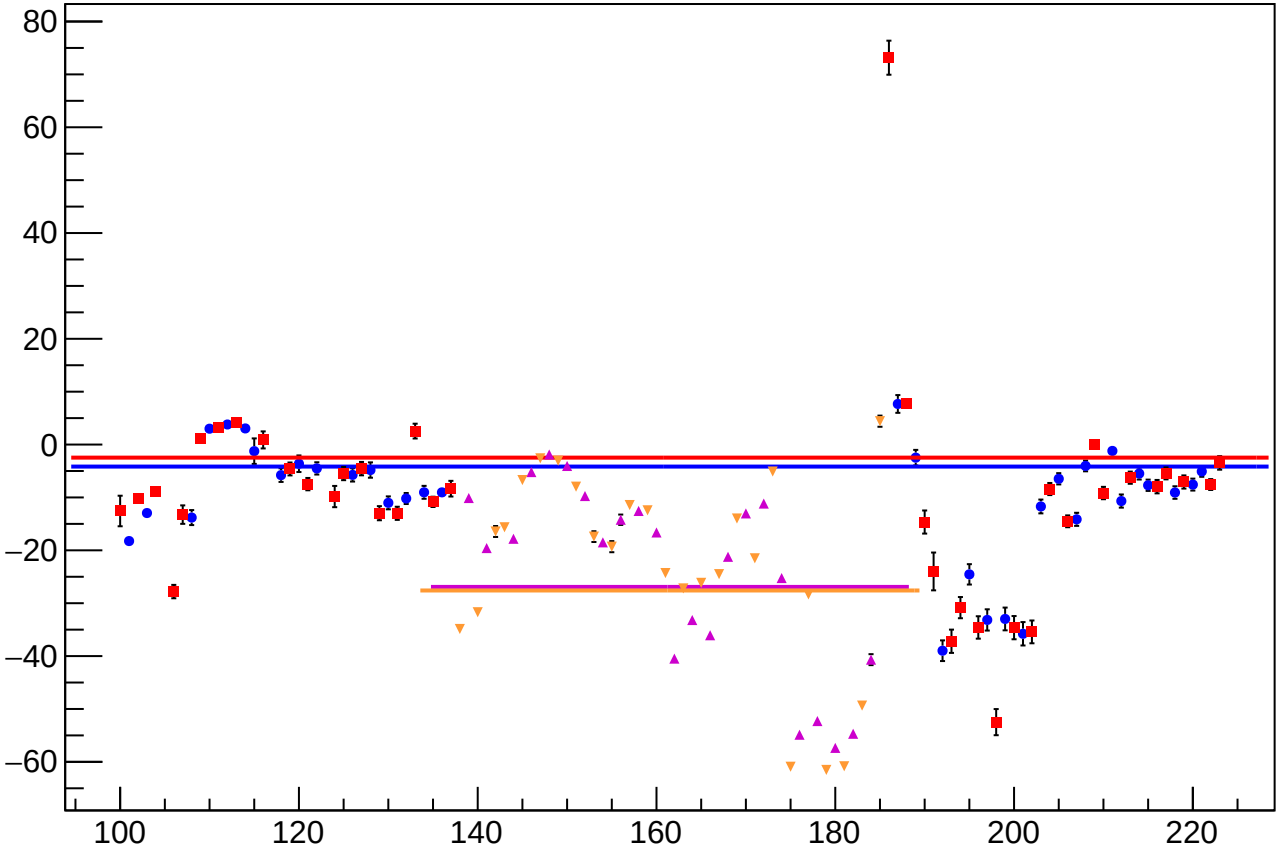
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.513+/-0.004 χ^2/NDF: 9422.8/58

All: 0.502+/-0.003 χ^2/NDF: 21226.0/120

- sign 0.490+/-0.004 χ^2/NDF: 11782.2/61

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -4.163+/-0.162 χ^2/NDF: 2852.1/33

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

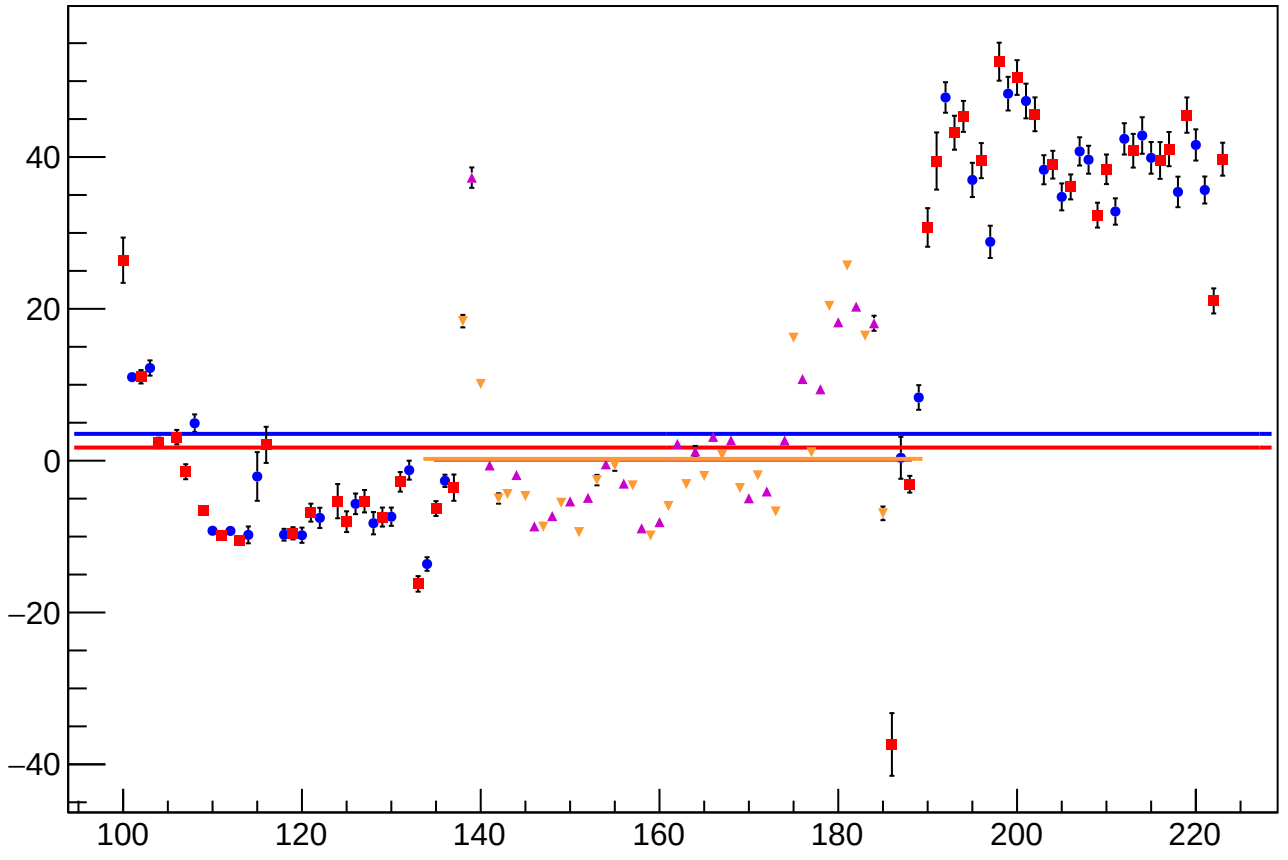
Right Out: -2.471+/-0.148 χ^2/NDF: 4146.0/38

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -17.221+/-0.108 χ^2/NDF: 34284.7/58

All: -15.869+/-0.075 χ^2/NDF: 67817.9/120

- sign -14.584+/-0.105 χ^2/NDF: 33226.2/61



Right In: 3.531+/-0.203 χ^2/NDF: 7671.4/33

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

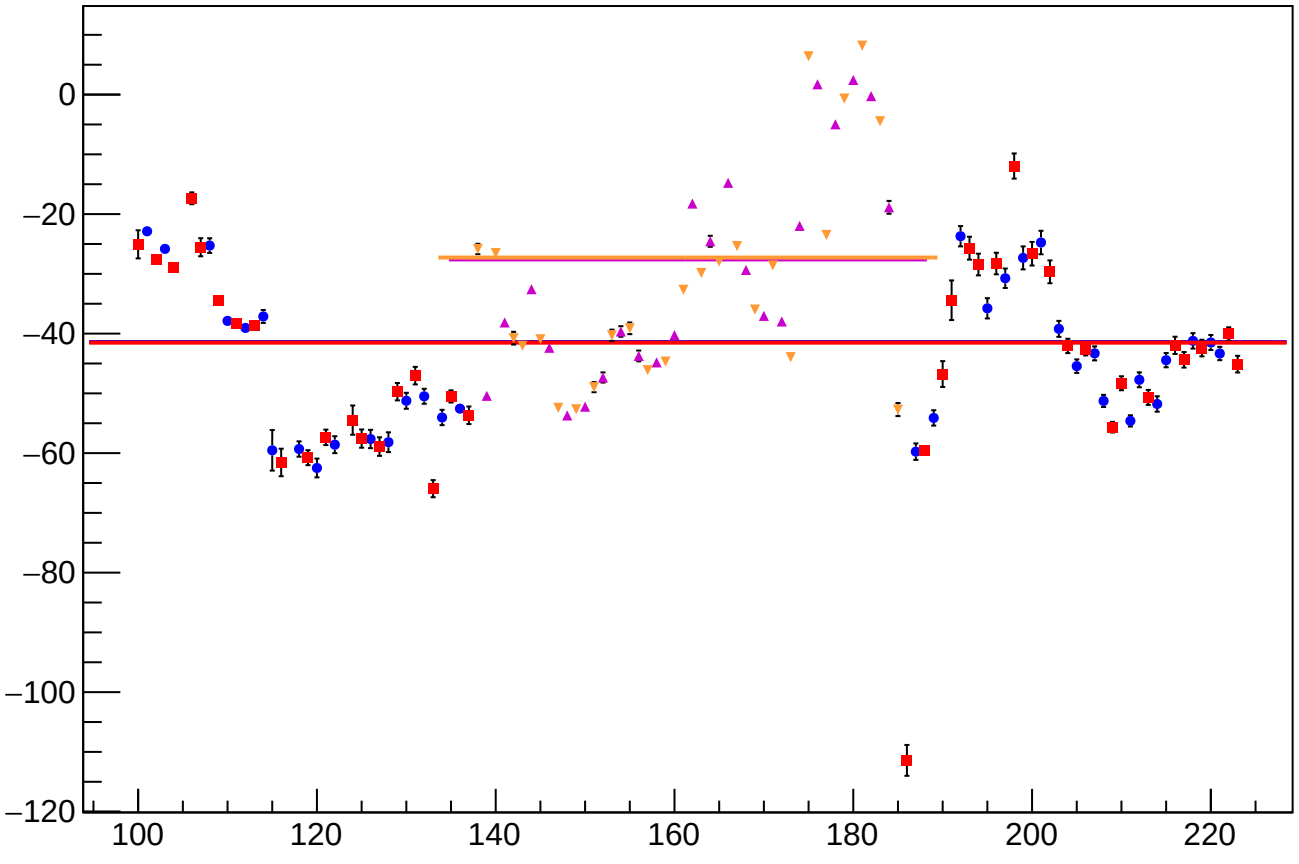
Right Out: 1.727+/-0.197 χ^2/NDF: 7833.5/38

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.986+/-0.097 χ^2/NDF: 15909.4/58

All: 0.765+/-0.069 χ^2/NDF: 29640.0/120

- sign 0.535+/-0.099 χ^2/NDF: 13720.0/61



Right In: -41.409+/-0.181 χ^2/NDF: 4008.0/33

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.510+/-0.172 χ^2/NDF: 5366.9/38

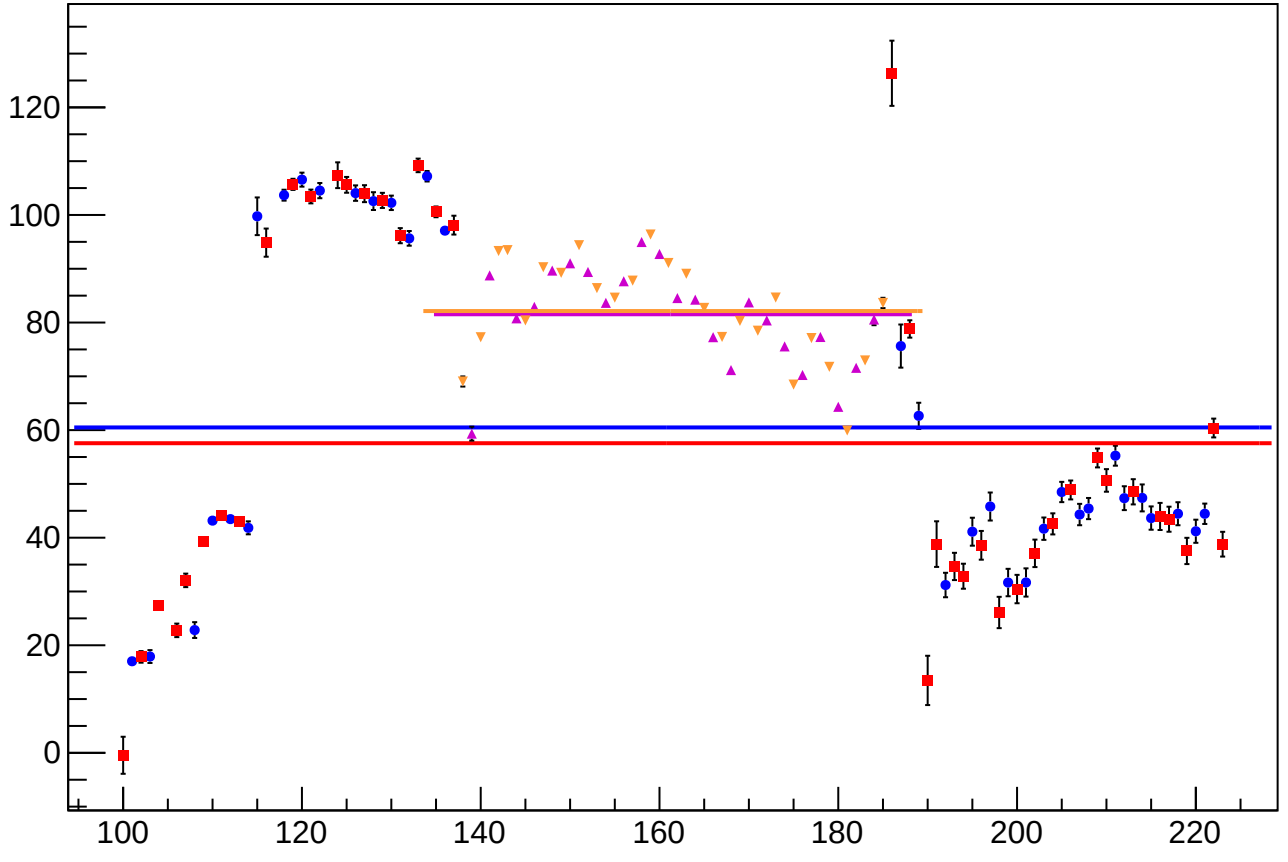
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

\+ sign -32.750+/-0.113 χ^2/NDF: 26276.2/58

All: -33.141+/-0.079 χ^2/NDF: 51086.5/120

\- sign -33.529+/-0.112 χ^2/NDF: 24786.3/61

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 60.497+/-0.231 χ^2/NDF: 19907.1/33

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 57.565+/-0.224 χ^2/NDF: 18772.1/38

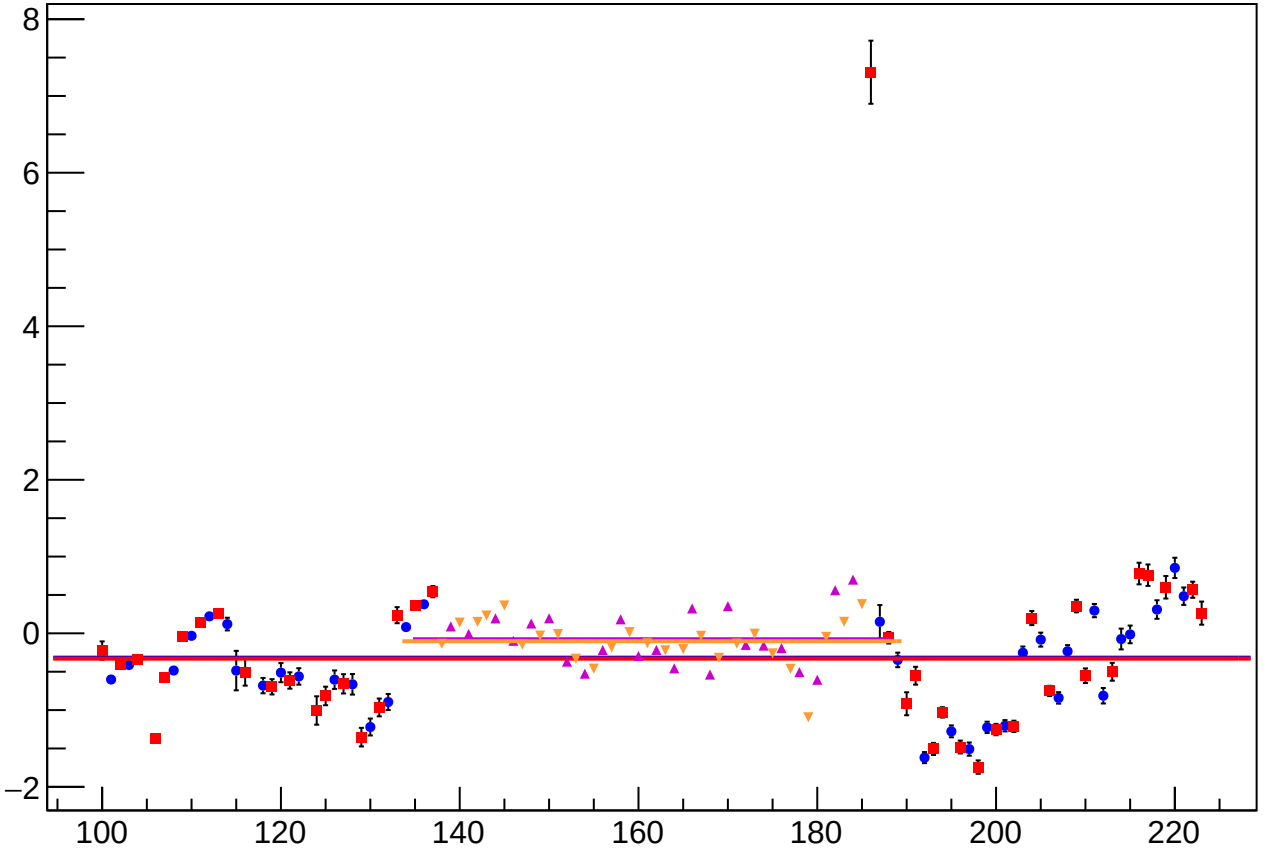
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.255+/-0.110 χ^2/NDF: 32065.3/58

All: 76.430+/-0.078 χ^2/NDF: 63594.7/120

- sign 75.574+/-0.112 χ^2/NDF: 31414.4/61

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.317+/-0.011 χ^2/NDF: 2276.9/33

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.330+/-0.011 χ^2/NDF: 3305.5/38

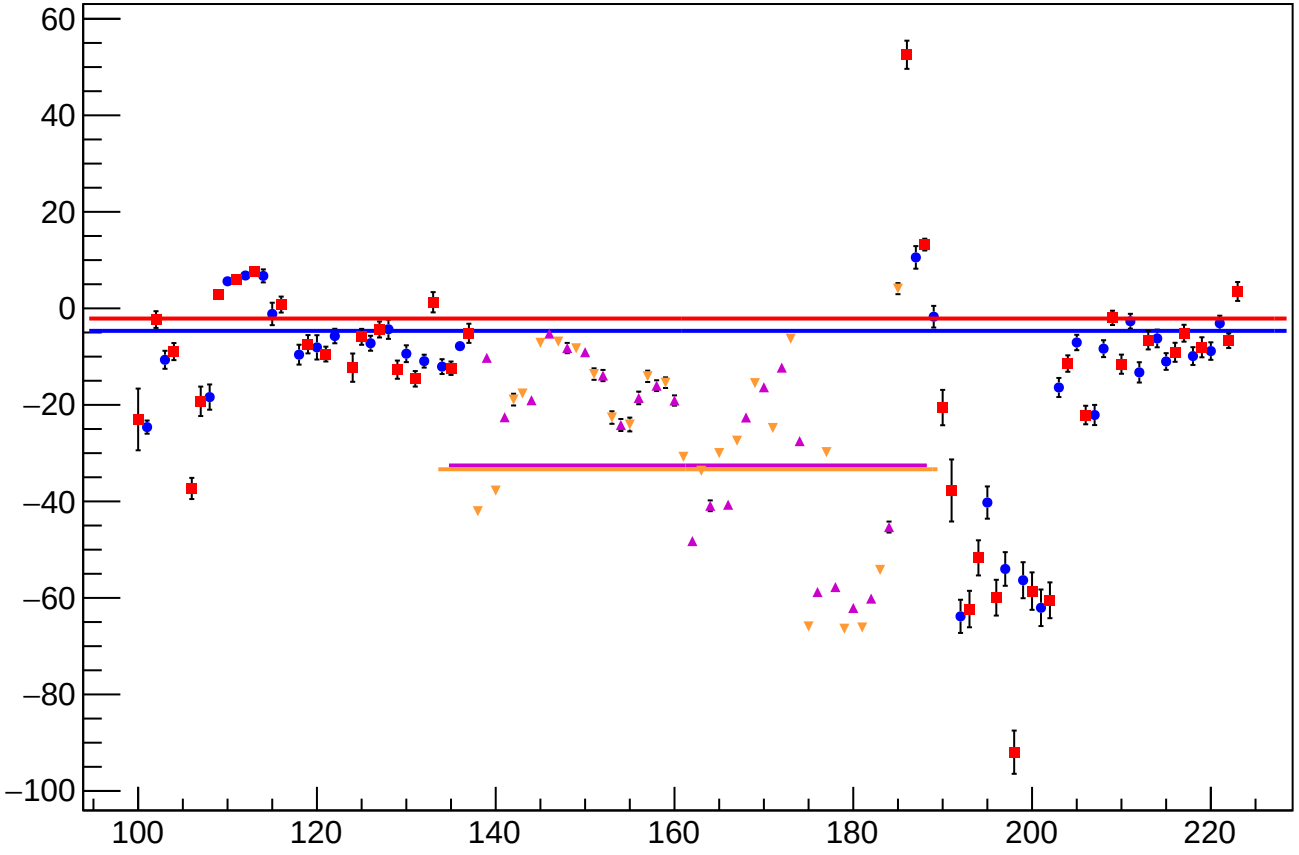
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.145+/-0.005 χ^2/NDF: 4968.7/58

All: -0.138+/-0.004 χ^2/NDF: 12013.7/120

- sign -0.131+/-0.005 χ^2/NDF: 7041.1/61

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.661+/-0.260 χ^2/NDF: 2229.4/33

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -2.107+/-0.243 χ^2/NDF: 3307.6/38

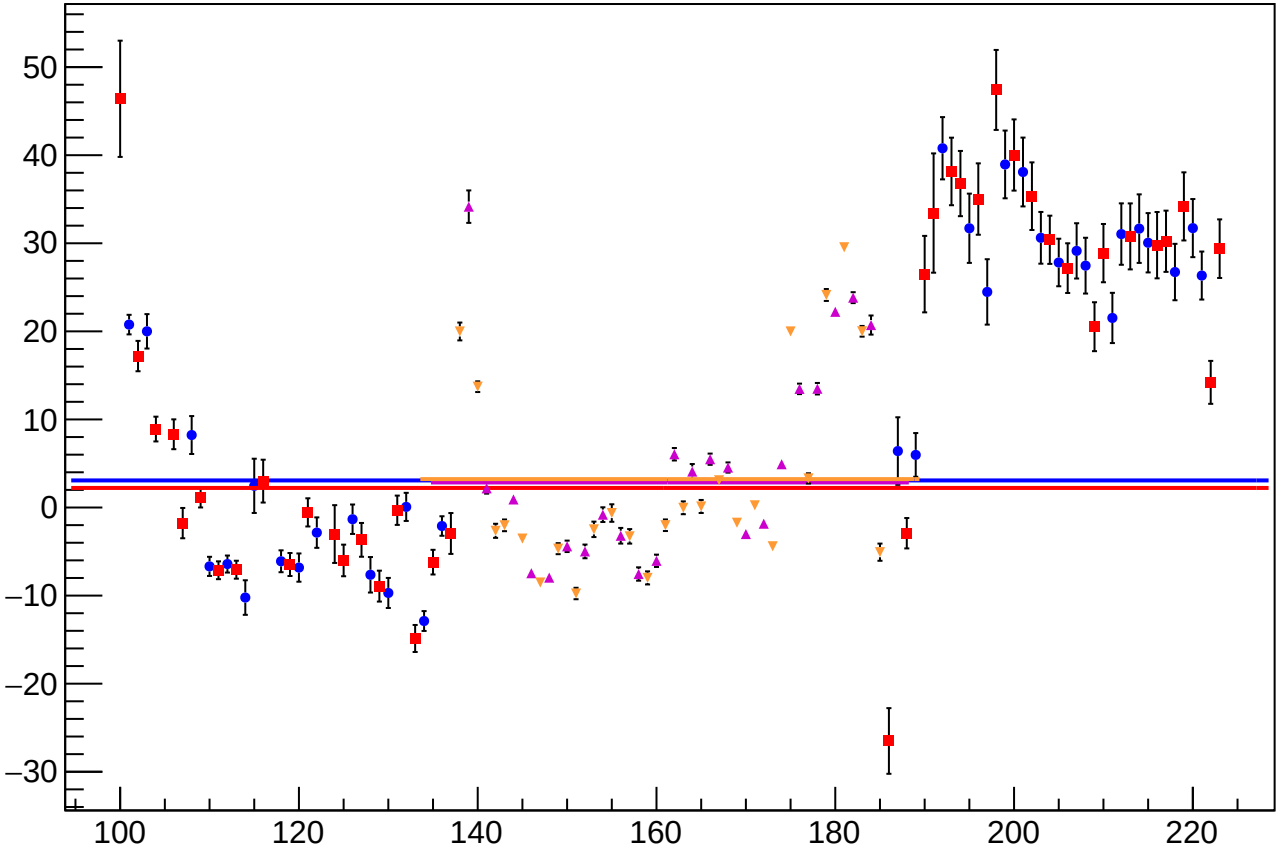
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -25.134+/-0.139 χ^2/NDF: 28913.1/58

All: -23.854+/-0.098 χ^2/NDF: 56875.1/120

- sign -22.577+/-0.139 χ^2/NDF: 27792.8/61

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 3.076+/-0.323 χ^2/NDF: 2076.0/33

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

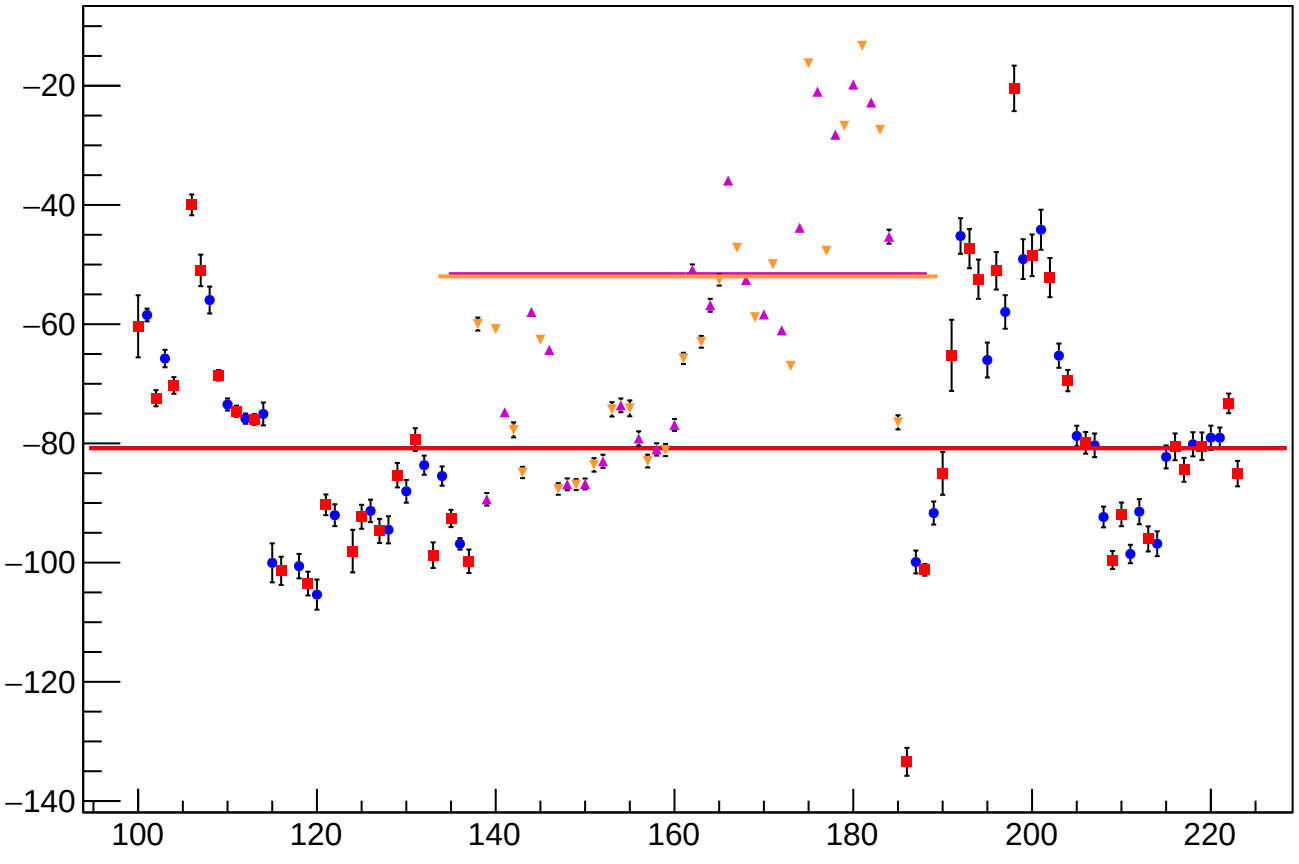
Right Out: 2.221+/-0.319 χ^2/NDF: 1869.6/38

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 3.204+/-0.119 χ^2/NDF: 9751.8/58

All: 2.984+/-0.085 χ^2/NDF: 17087.1/120

- sign 2.755+/-0.121 χ^2/NDF: 7328.4/61



Right In: -80.791+/-0.292 χ^2/NDF: 2287.6/33

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.817+/-0.282 χ^2/NDF: 3552.1/38

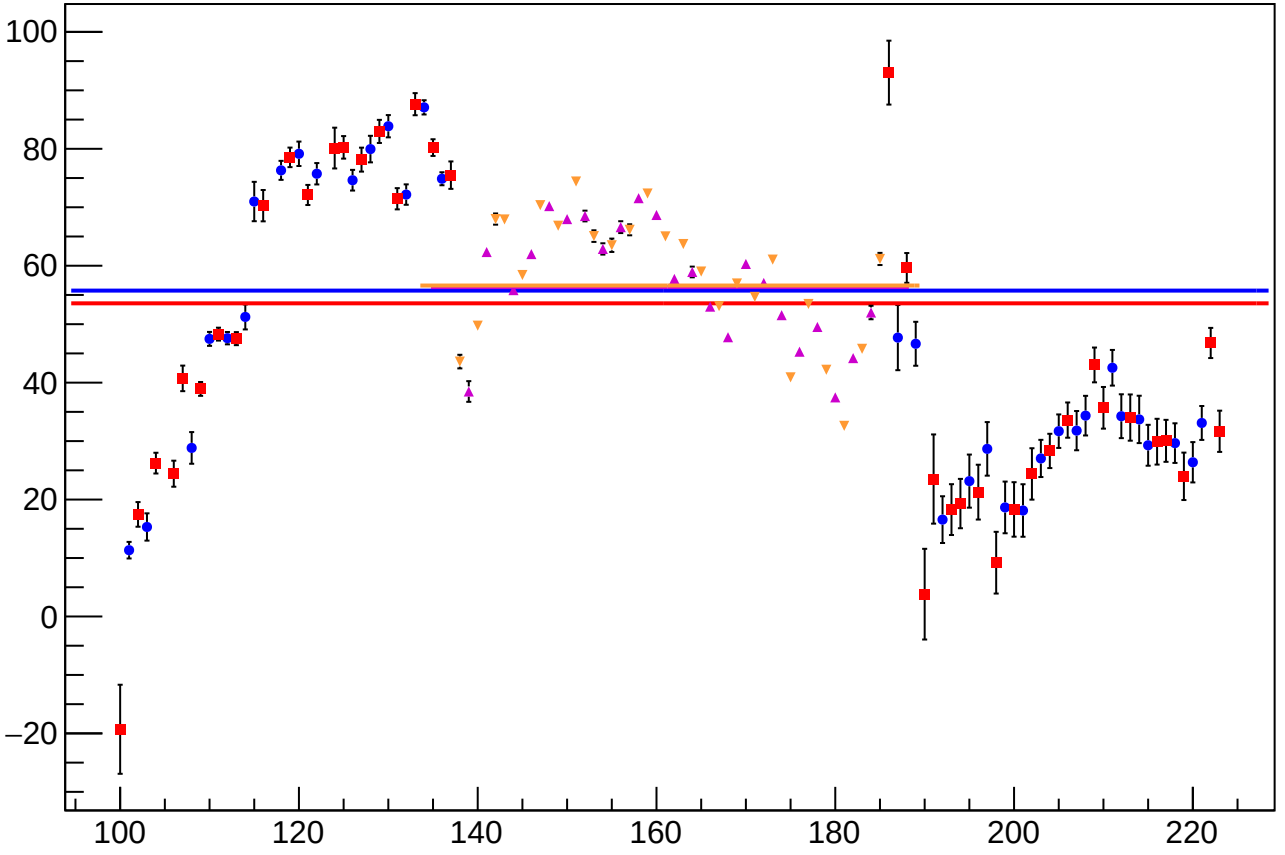
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -58.946+/-0.144 χ^2/NDF: 30561.0/58

All: -59.145+/-0.102 χ^2/NDF: 59644.9/120

- sign -59.348+/-0.145 χ^2/NDF: 29080.1/61

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 55.744+/-0.363 χ^2/NDF: 4315.2/33

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 53.567+/-0.361 χ^2/NDF: 3707.6/38

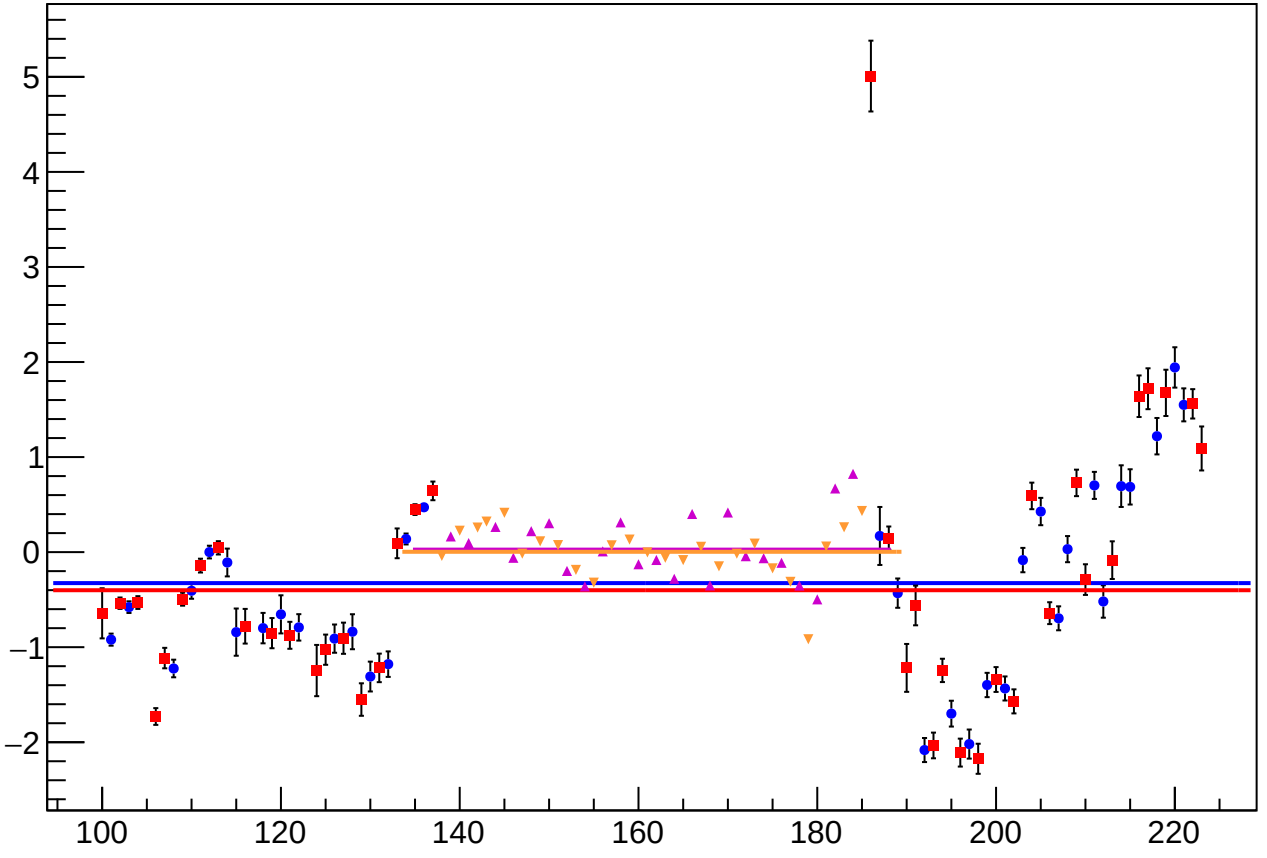
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.494+/-0.134 χ^2/NDF: 9986.4/58

All: 56.228+/-0.096 χ^2/NDF: 17721.6/120

- sign 55.950+/-0.136 χ^2/NDF: 7727.2/61

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.326+/-0.019 χ^2/NDF: 1747.2/33

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.401+/-0.019 χ^2/NDF: 2235.6/38

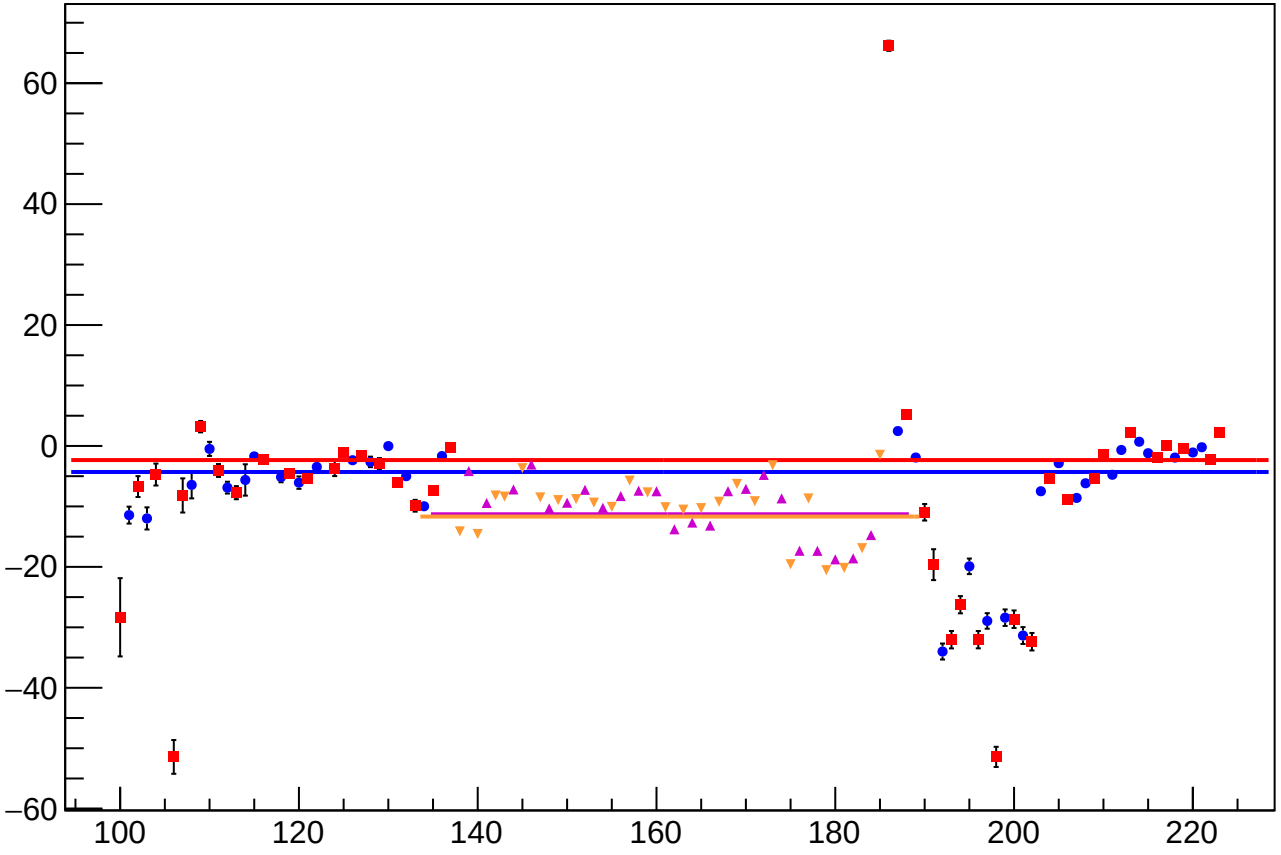
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.032+/-0.006 χ^2/NDF: 3730.1/58

All: -0.027+/-0.004 χ^2/NDF: 8784.3/120

- sign -0.021+/-0.006 χ^2/NDF: 5052.6/61

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.306+/-0.130 χ^2/NDF: 2277.6/33

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

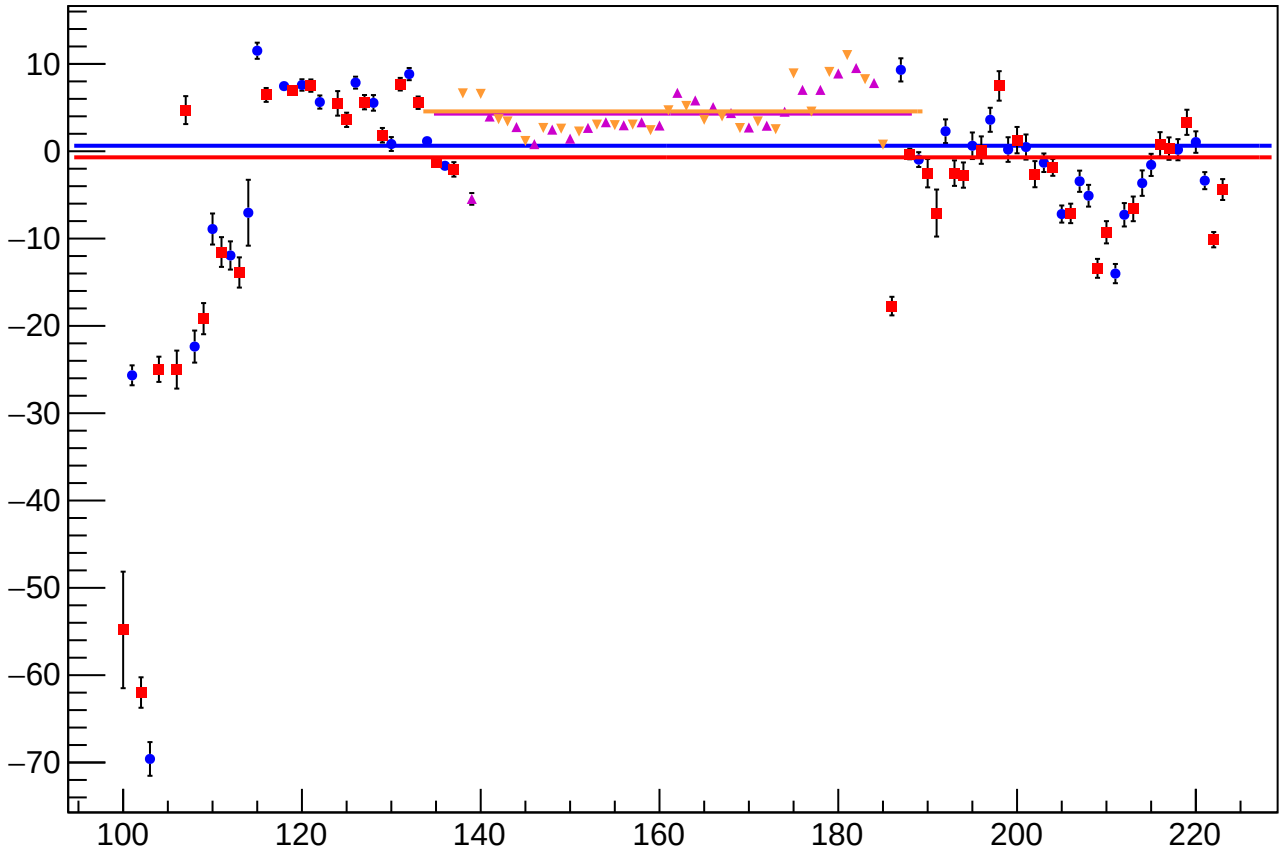
Right Out: -2.335+/-0.131 χ^2/NDF: 10641.3/38

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -10.644+/-0.049 χ^2/NDF: 17635.6/58

All: -10.332+/-0.035 χ^2/NDF: 41575.6/120

- sign -10.006+/-0.050 χ^2/NDF: 23856.6/61



Right In: 0.630+/-0.157 χ^2/NDF: 3275.2/33

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.696+/-0.164 χ^2/NDF: 3337.7/38

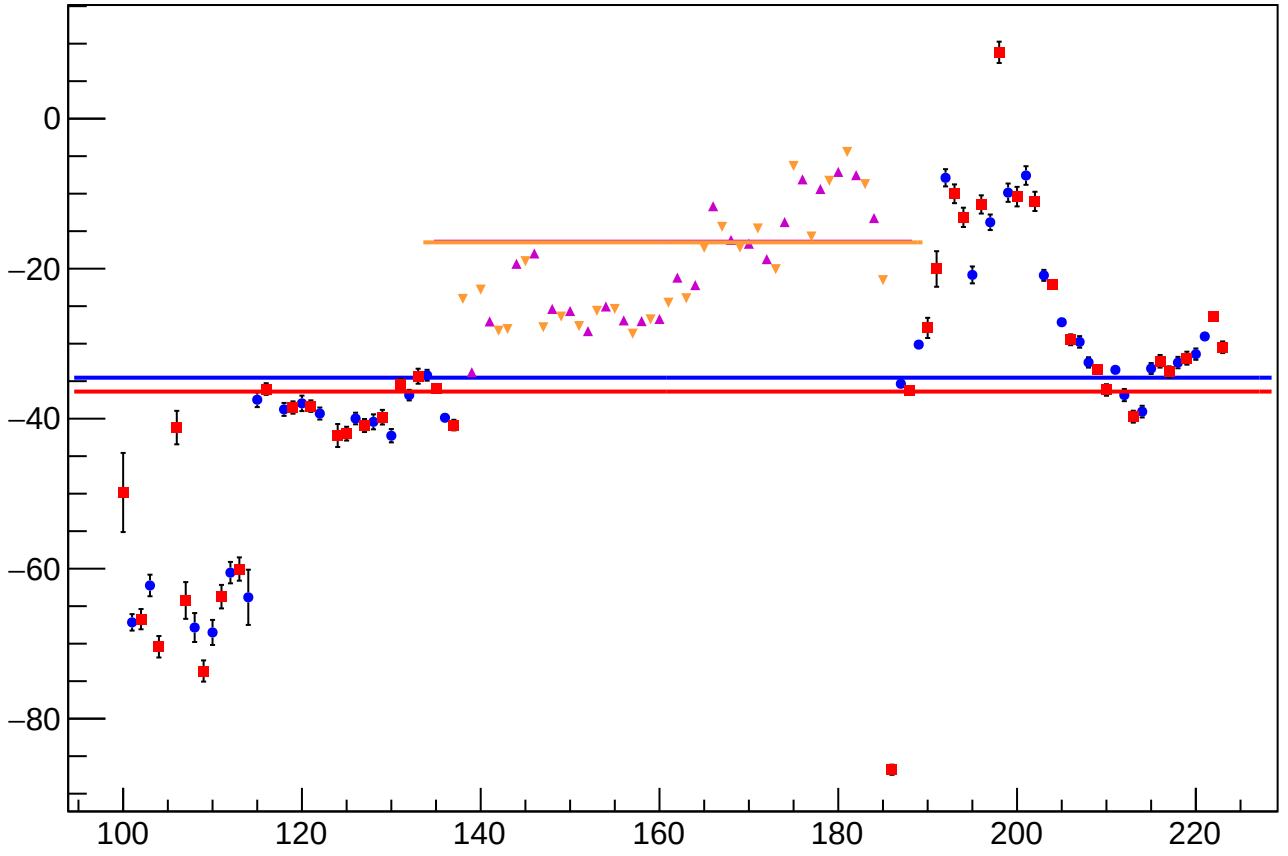
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.308+/-0.040 χ^2/NDF: 8218.0/58

All: 4.156+/-0.029 χ^2/NDF: 16069.8/120

- sign 3.998+/-0.041 χ^2/NDF: 7822.3/61

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.535+/-0.136 χ^2/NDF: 5542.9/33

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -36.387+/-0.136 χ^2/NDF: 12294.3/38

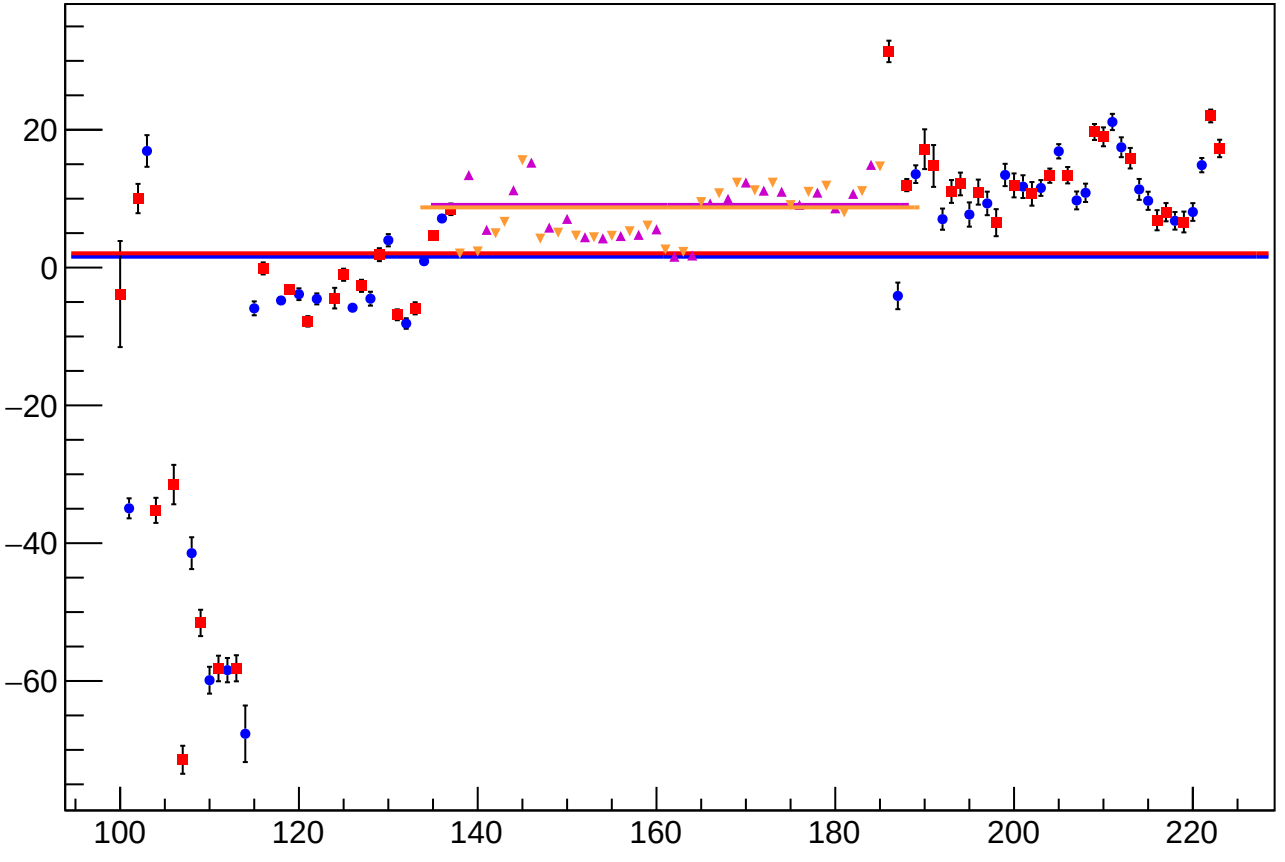
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.845+/-0.049 χ^2/NDF: 42760.9/58

All: -18.976+/-0.035 χ^2/NDF: 91728.9/120

- sign -19.112+/-0.050 χ^2/NDF: 48953.5/61

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 1.580+/-0.175 χ^2/NDF: 5483.2/33

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 2.069+/-0.185 χ^2/NDF: 7310.5/38

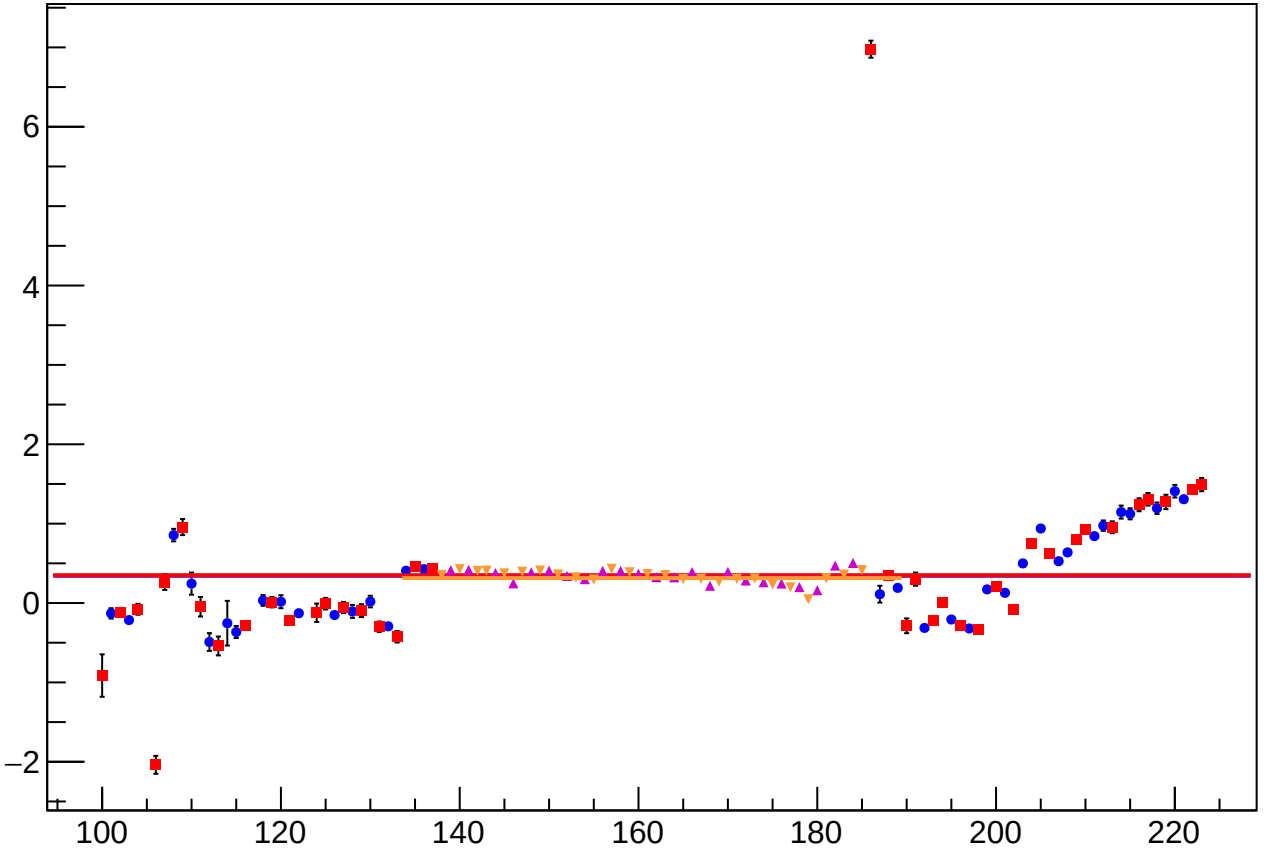
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.268+/-0.045 χ^2/NDF: 13921.4/58

All: 8.465+/-0.032 χ^2/NDF: 28361.3/120

- sign 8.670+/-0.046 χ^2/NDF: 14400.4/61

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.345+/-0.009 χ^2/NDF: 2299.2/33

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.349+/-0.009 χ^2/NDF: 6863.2/38

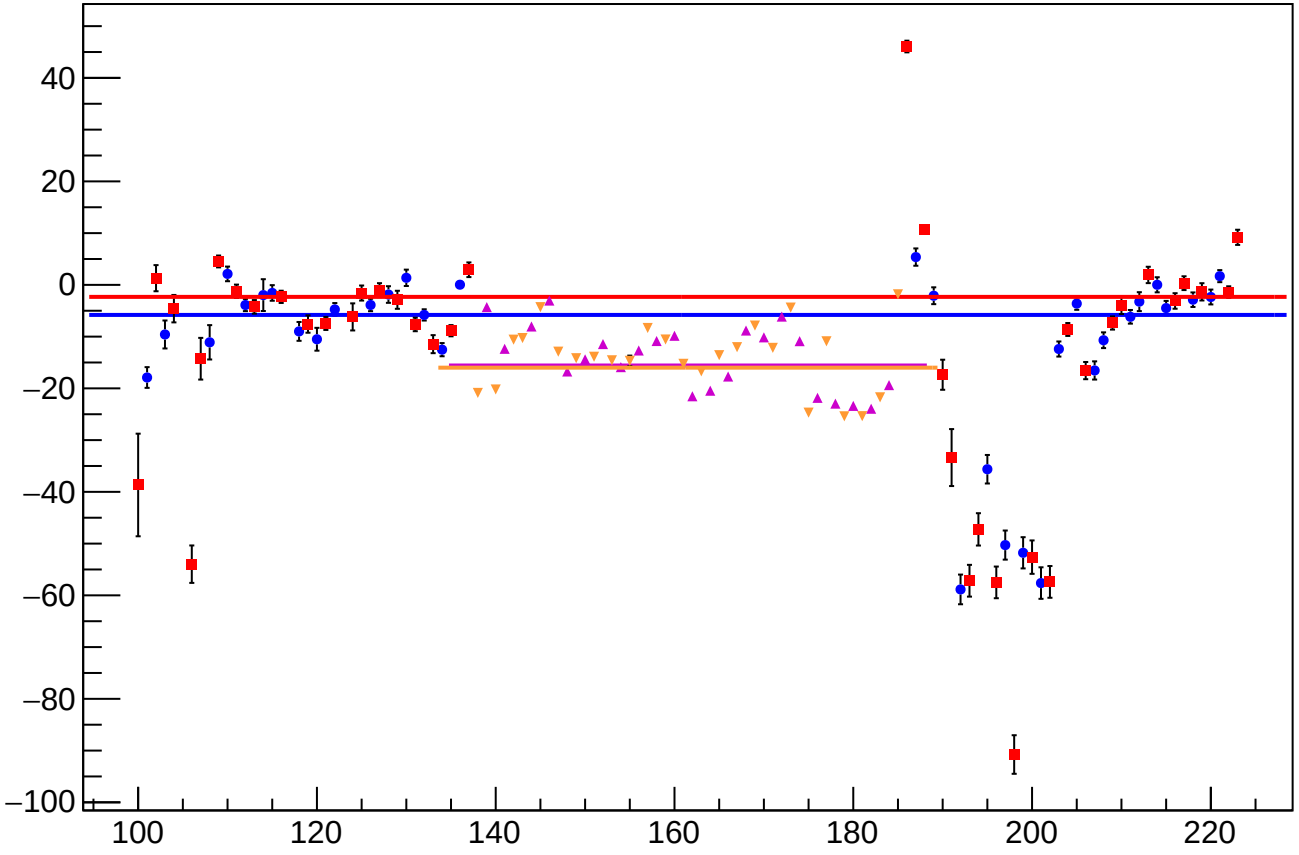
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.316+/-0.002 χ^2/NDF: 3913.0/58

All: 0.318+/-0.001 χ^2/NDF: 12576.7/120

- sign 0.320+/-0.002 χ^2/NDF: 8661.2/61

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -5.807+/-0.257 χ^2/NDF: 1640.6/33

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.320+/-0.253 χ^2/NDF: 4659.9/38

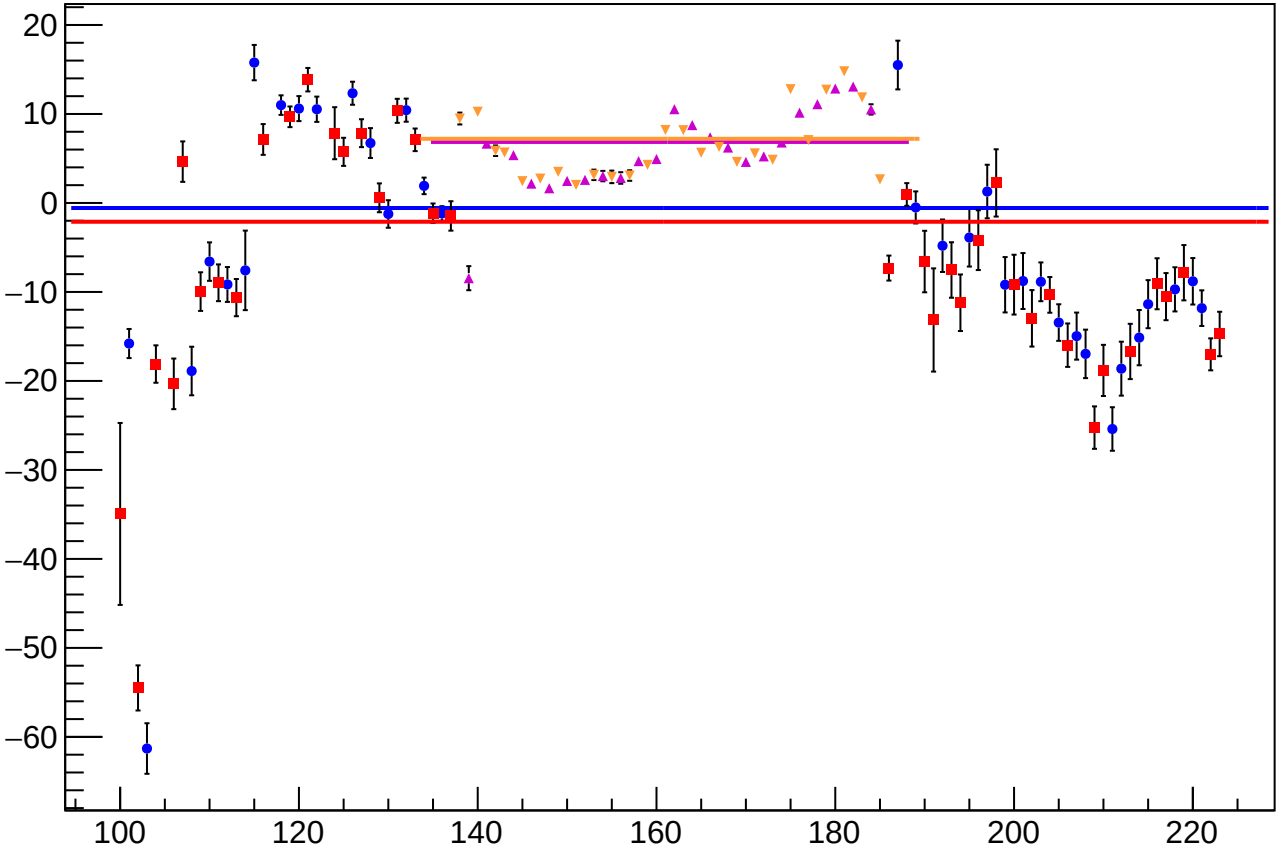
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -14.670+/-0.093 χ^2/NDF: 8976.0/58

All: -14.211+/-0.066 χ^2/NDF: 20805.2/120

- sign -13.732+/-0.095 χ^2/NDF: 11779.0/61

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -0.567+/-0.307 χ^2/NDF: 1522.7/33

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -2.111+/-0.314 χ^2/NDF: 1448.6/38

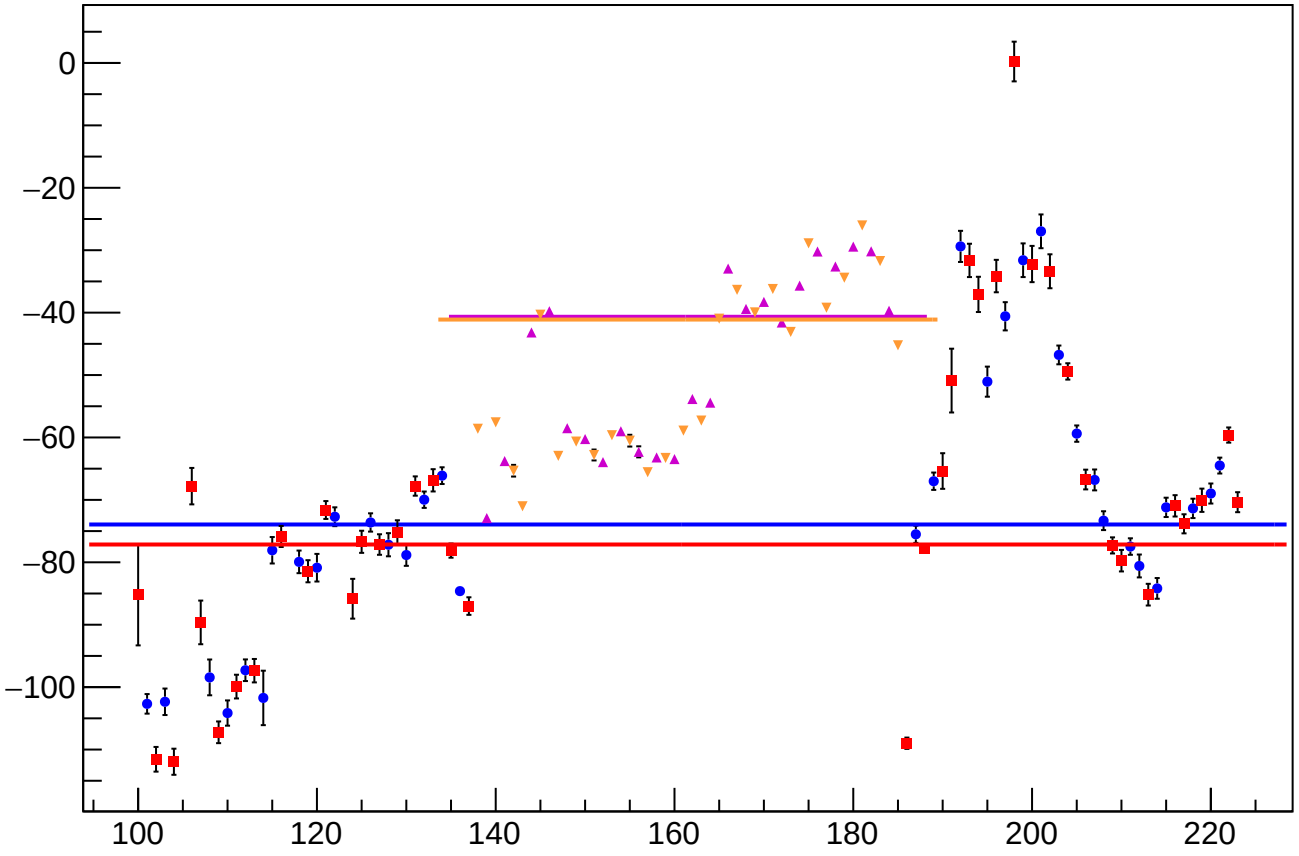
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.716+/-0.077 χ^2/NDF: 4580.4/58

All: 6.508+/-0.055 χ^2/NDF: 8964.9/120

- sign 6.295+/-0.078 χ^2/NDF: 4370.0/61

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -73.942+/-0.272 χ^2/NDF: 3138.1/33

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -77.148+/-0.265 χ^2/NDF: 5225.7/38

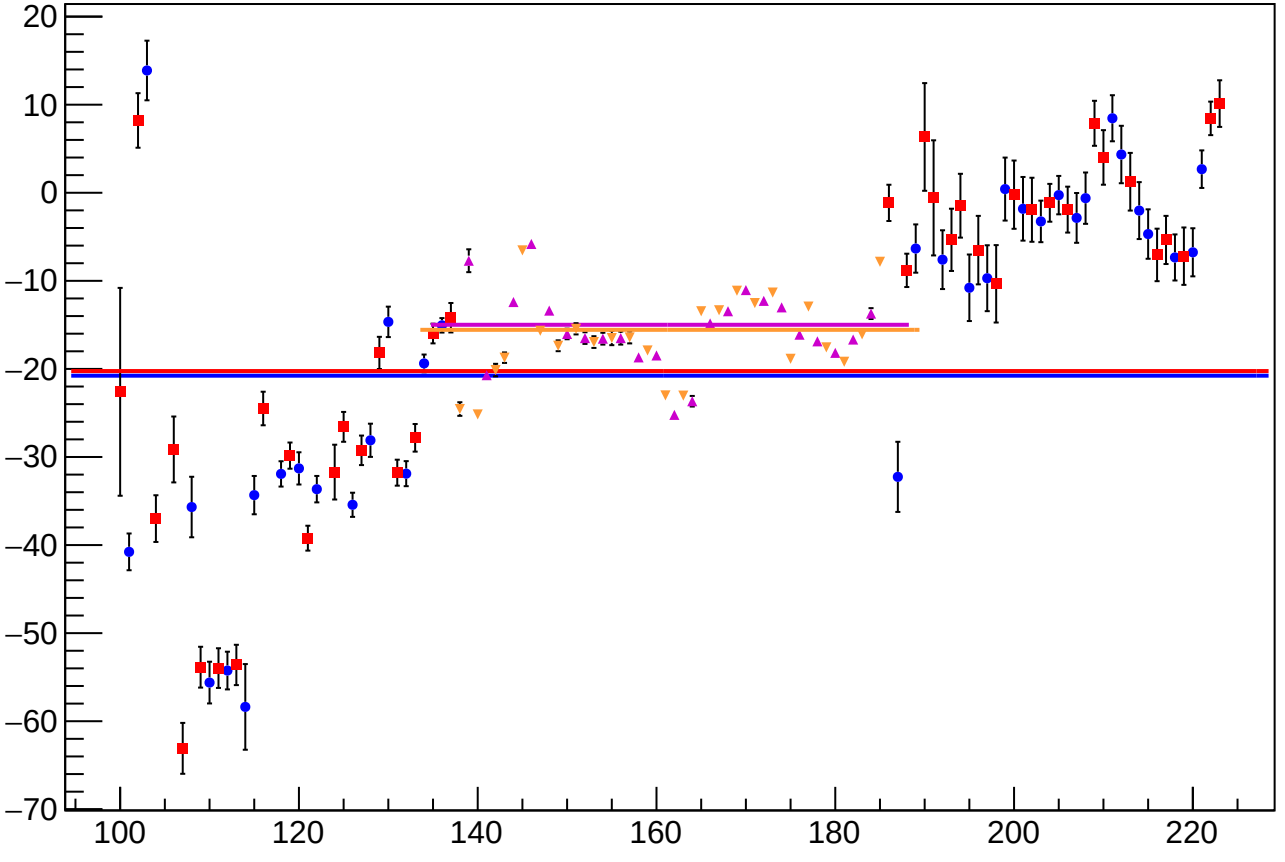
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

\+ sign -45.020+/-0.094 χ^2/NDF: 31972.4/58

All: -45.199+/-0.067 χ^2/NDF: 67225.9/120

\- sign -45.385+/-0.095 χ^2/NDF: 35246.0/61

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -20.768+/-0.342 χ^2/NDF: 1981.4/33

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -20.242+/-0.357 χ^2/NDF: 2437.2/38

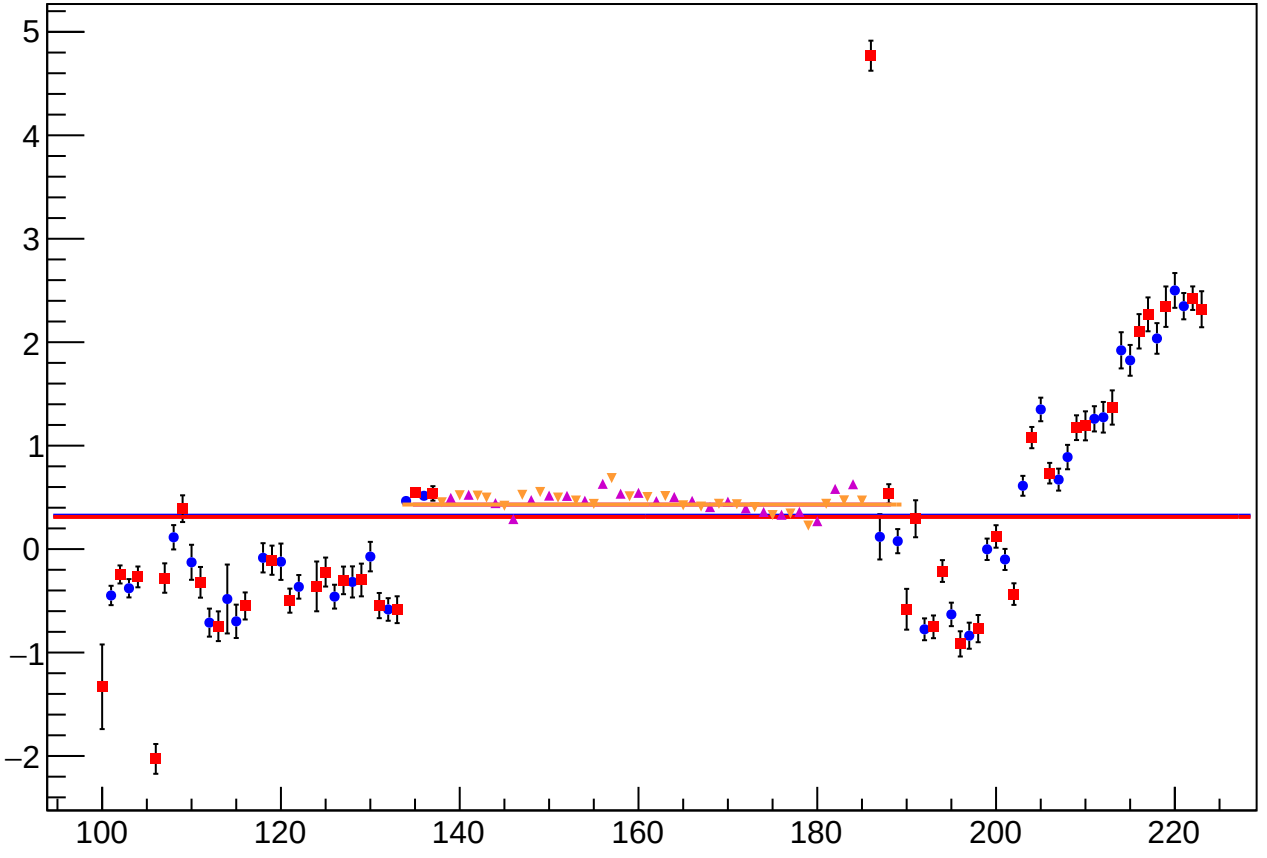
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -15.892+/-0.086 χ^2/NDF: 4748.4/58

All: -15.604+/-0.061 χ^2/NDF: 9562.6/120

- sign -15.305+/-0.088 χ^2/NDF: 4791.3/61

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.323+/-0.017 χ^2/NDF: 1740.0/33

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.311+/-0.018 χ^2/NDF: 3100.5/38

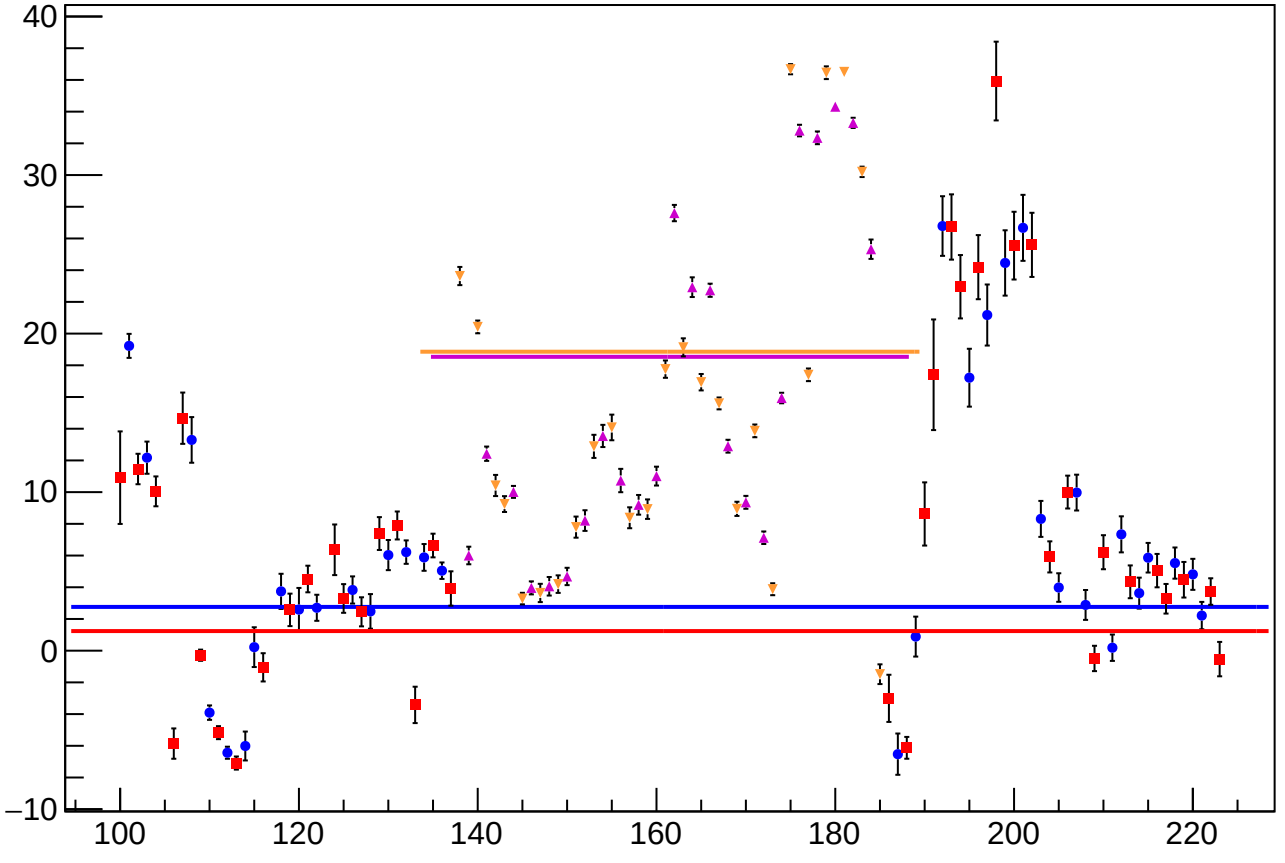
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.425+/-0.004 χ^2/NDF: 2195.5/58

All: 0.425+/-0.003 χ^2/NDF: 5919.4/120

- sign 0.425+/-0.004 χ^2/NDF: 3723.9/61

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.760+/-0.151 χ^2/NDF: 2306.4/33

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 1.236+/-0.141 χ^2/NDF: 2405.6/38

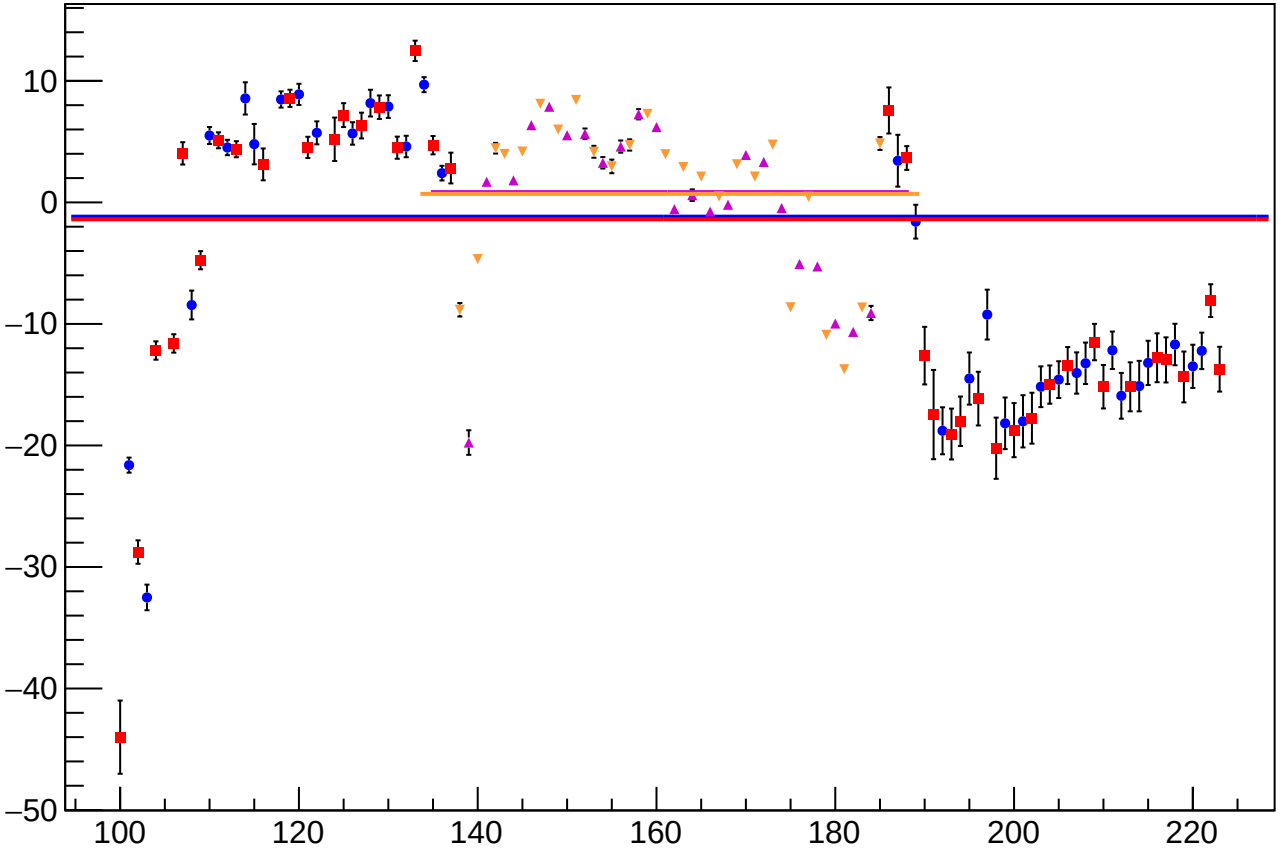
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 14.591+/-0.078 χ^2/NDF: 29083.6/58

All: 13.930+/-0.055 χ^2/NDF: 56188.0/120

- sign 13.265+/-0.078 χ^2/NDF: 26958.6/61

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -1.175+/-0.183 χ^2/NDF: 4111.7/33

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -1.390+/-0.180 χ^2/NDF: 3423.7/38

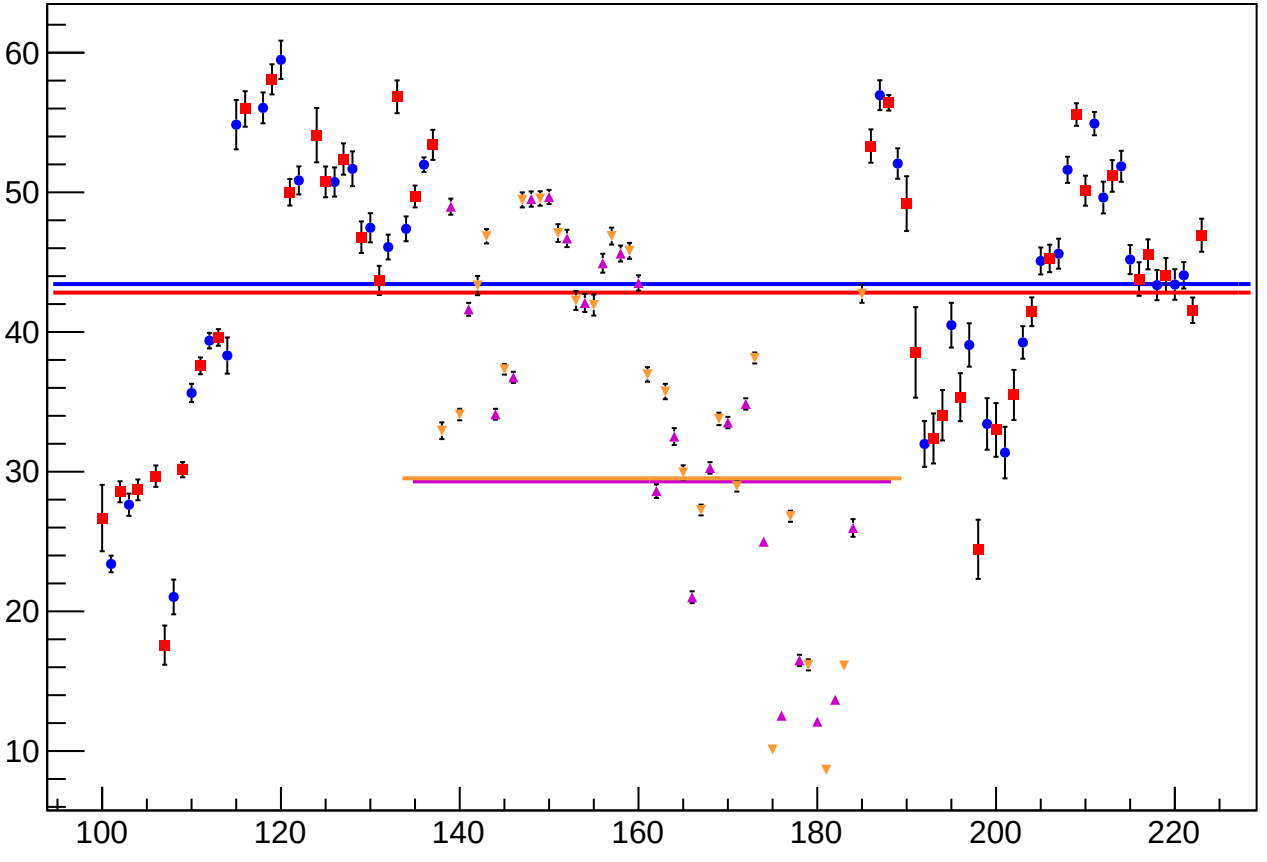
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.459+/-0.066 χ^2/NDF: 12441.1/58

All: 0.497+/-0.047 χ^2/NDF: 22043.5/120

- sign 0.536+/-0.067 χ^2/NDF: 9601.7/61

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.433+/-0.165 χ^2/NDF: 3570.1/33

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.823+/-0.159 χ^2/NDF: 4138.7/38

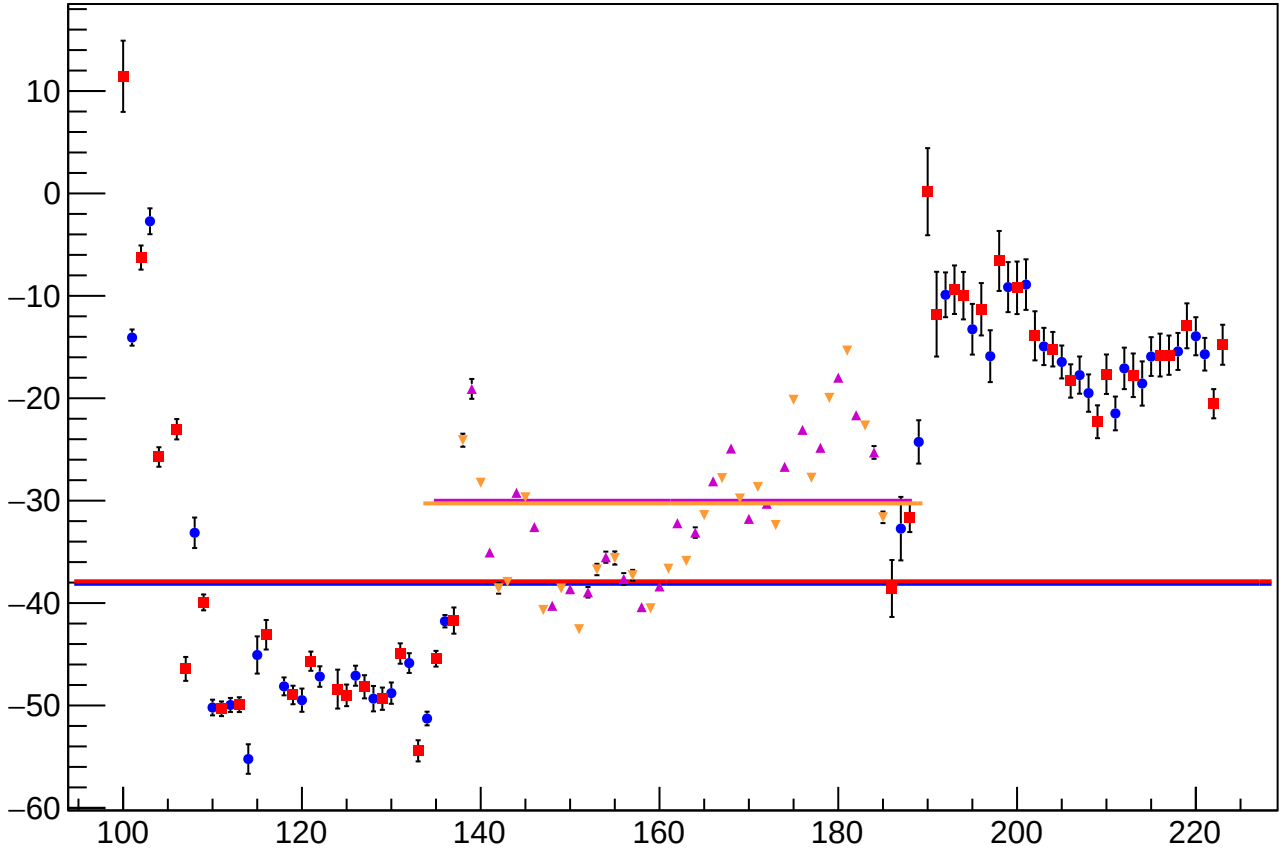
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 32.737+/-0.079 χ^2/NDF: 30096.3/58

All: 32.749+/-0.056 χ^2/NDF: 57493.8/120

- sign 32.760+/-0.080 χ^2/NDF: 27397.4/61

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -38.117+/-0.206 χ^2/NDF: 5691.5/33

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -37.876+/-0.205 χ^2/NDF: 5083.6/38

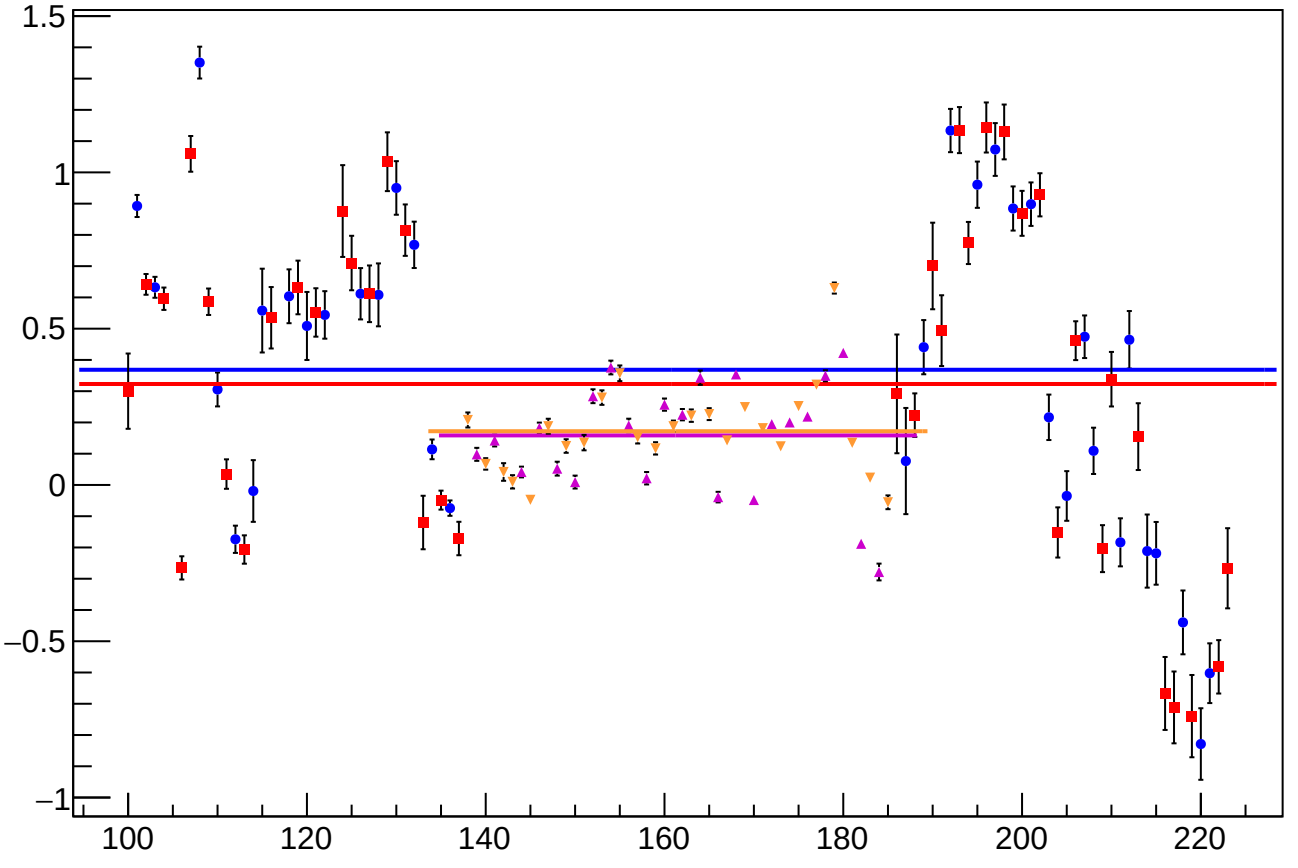
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.281+/-0.074 χ^2/NDF: 15457.1/58

All: -31.183+/-0.053 χ^2/NDF: 27900.1/120

- sign -31.082+/-0.076 χ^2/NDF: 12439.5/61

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.369+/-0.010 χ^2/NDF: 2123.5/33

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.323+/-0.010 χ^2/NDF: 2151.1/38

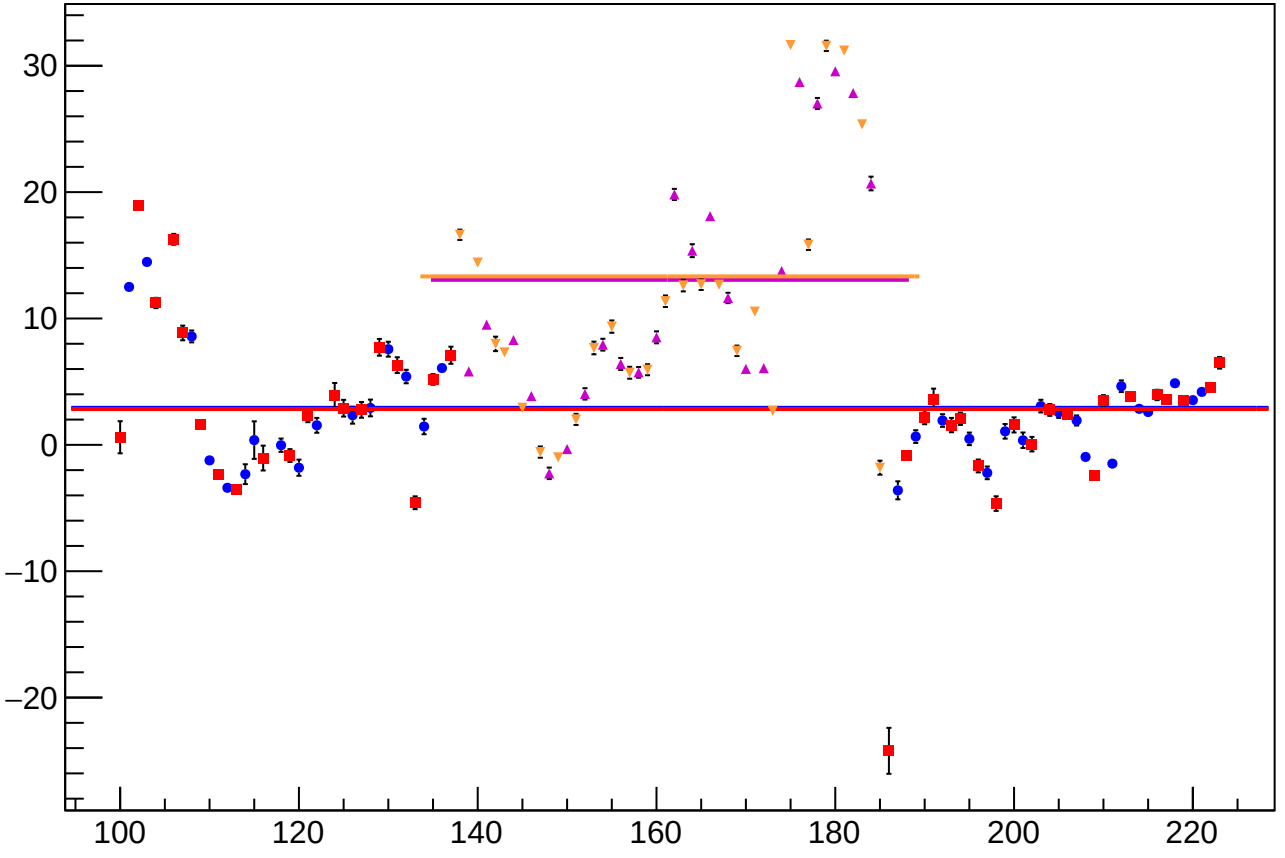
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

\+ sign 0.193+/-0.003 χ^2/NDF: 3946.9/58

All: 0.185+/-0.002 χ^2/NDF: 8524.5/120

\- sign 0.177+/-0.003 χ^2/NDF: 4566.8/61

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.929+/-0.076 χ^2/NDF: 3402.0/33

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.836+/-0.073 χ^2/NDF: 5506.8/38

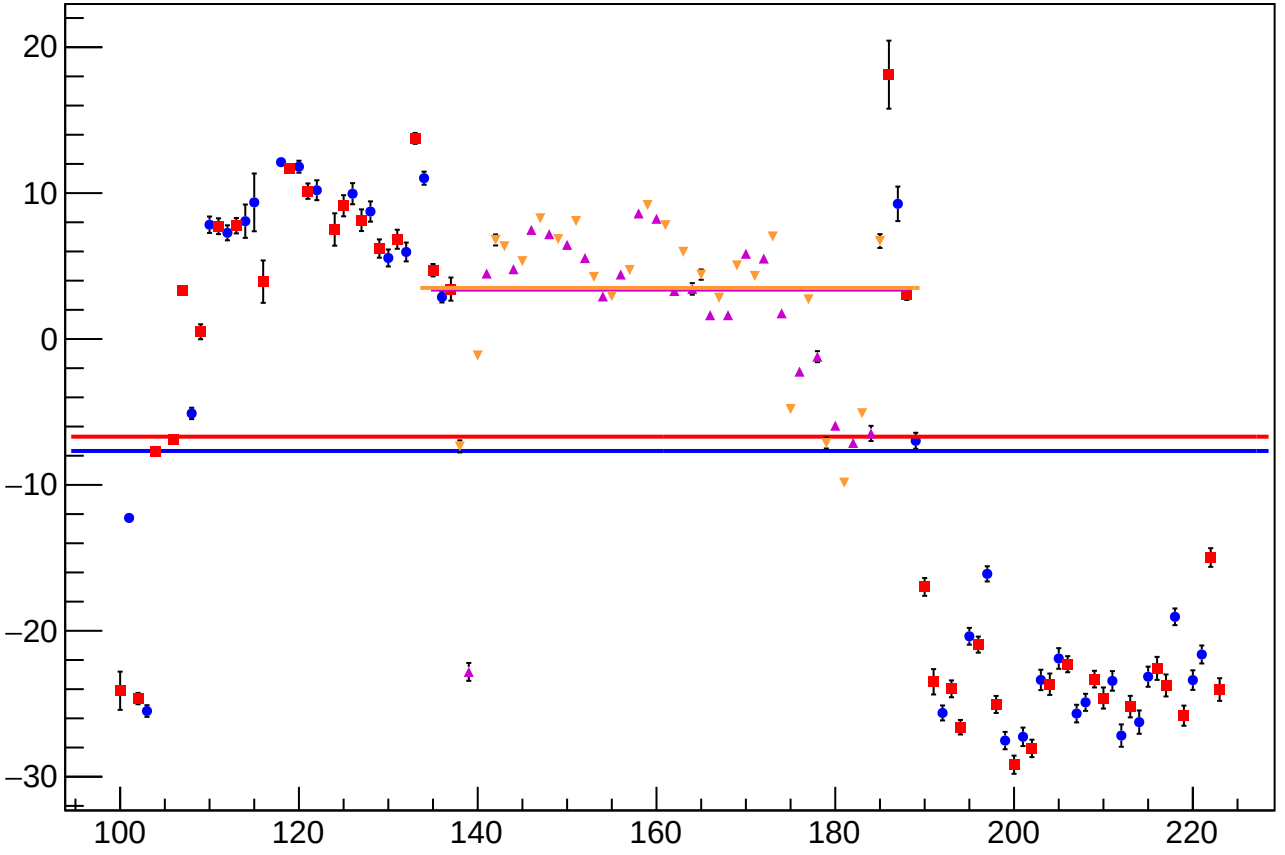
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 8.100+/-0.054 χ^2/NDF: 32067.4/58

All: 7.793+/-0.038 χ^2/NDF: 62247.7/120

- sign 7.493+/-0.054 χ^2/NDF: 30116.7/61

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.674+/-0.091 χ^2/NDF: 26295.5/33

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -6.694+/-0.087 χ^2/NDF: 28812.4/38

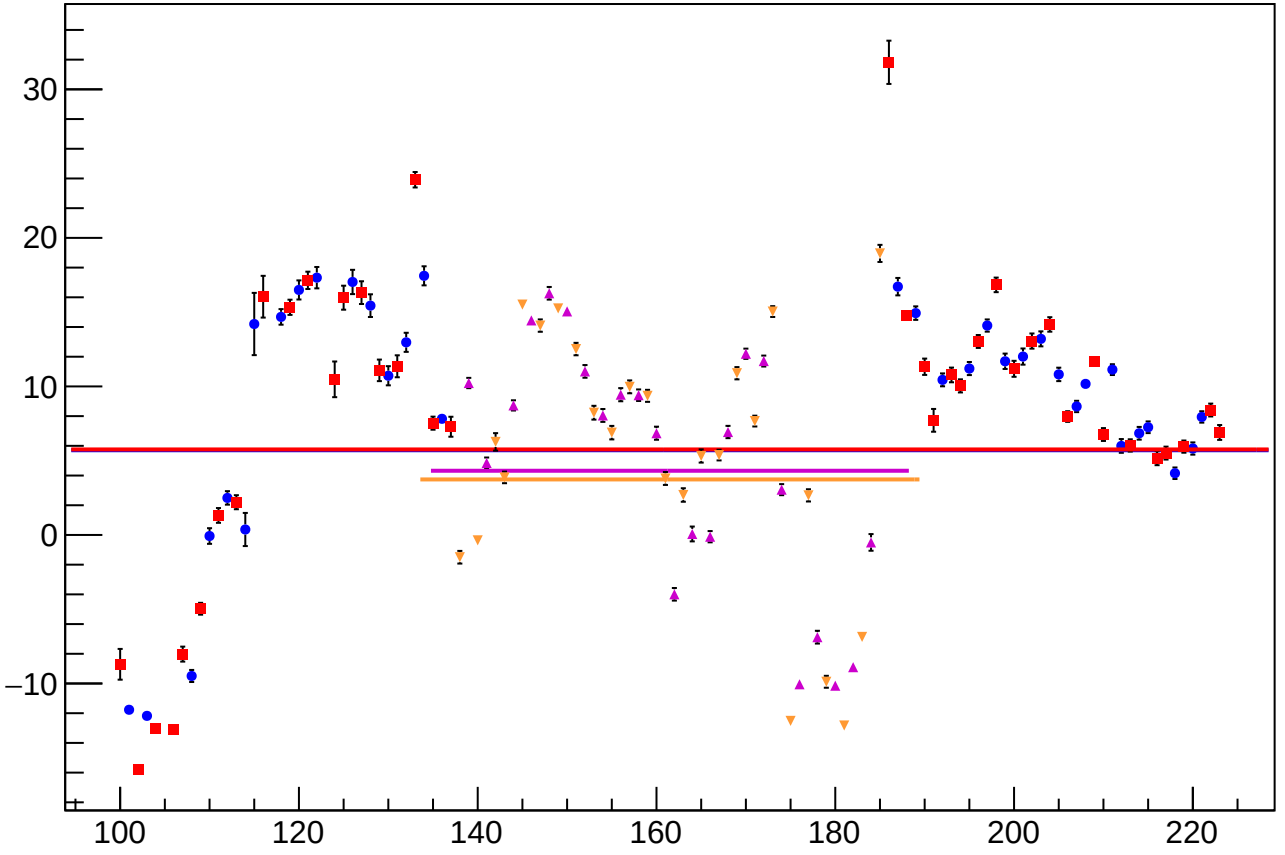
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

\+ sign 0.255+/-0.049 χ^2/NDF: 44791.3/58

All: 0.158+/-0.035 χ^2/NDF: 89330.1/120

\- sign 0.058+/-0.050 χ^2/NDF: 44530.9/61

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.703+/-0.077 χ^2/NDF: 14197.5/33

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

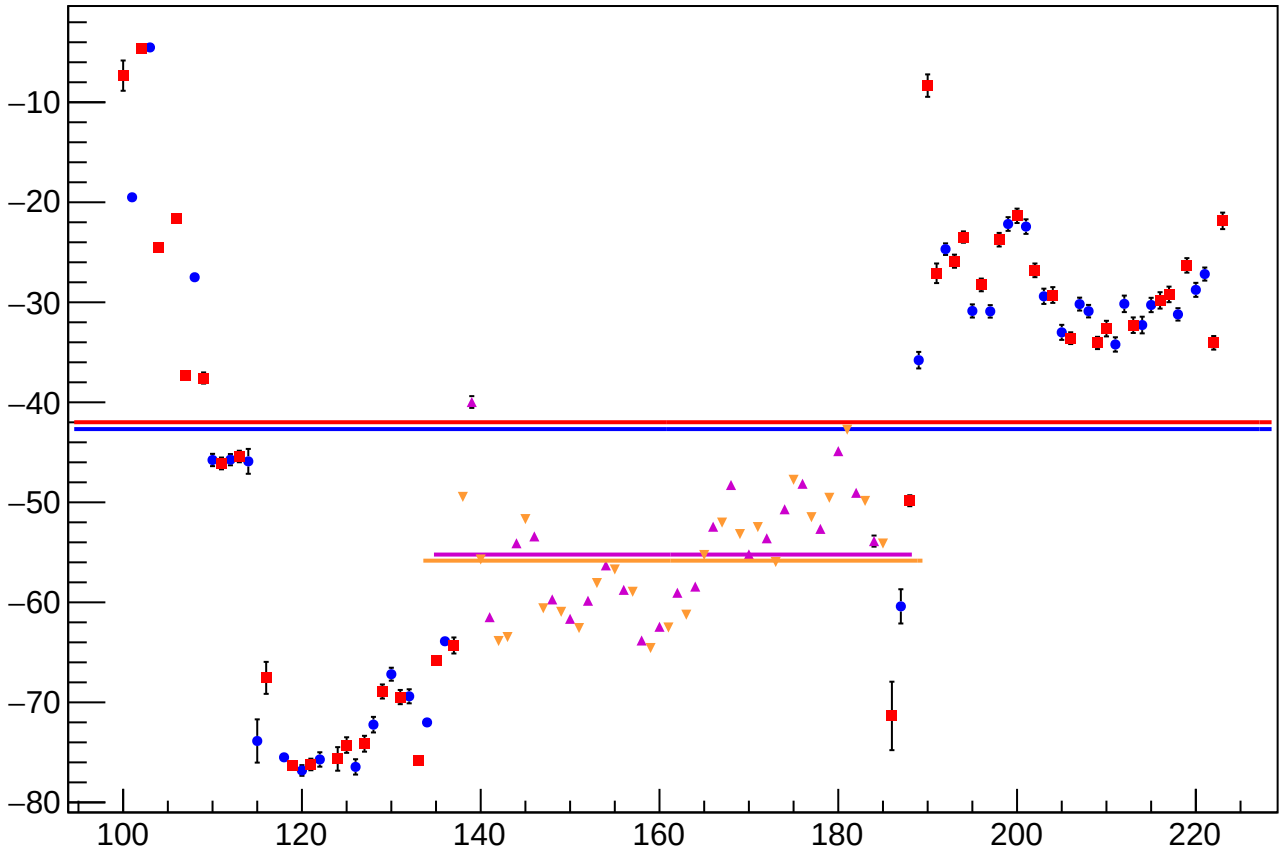
Right Out: 5.757+/-0.073 χ^2/NDF: 20442.8/38

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.716+/-0.054 χ^2/NDF: 30113.4/58

All: 4.908+/-0.038 χ^2/NDF: 63243.5/120

- sign 5.094+/-0.053 χ^2/NDF: 33105.3/61



Right In: -42.677+/-0.105 χ^2/NDF: 44549.6/33

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -41.991+/-0.101 χ^2/NDF: 45844.4/38

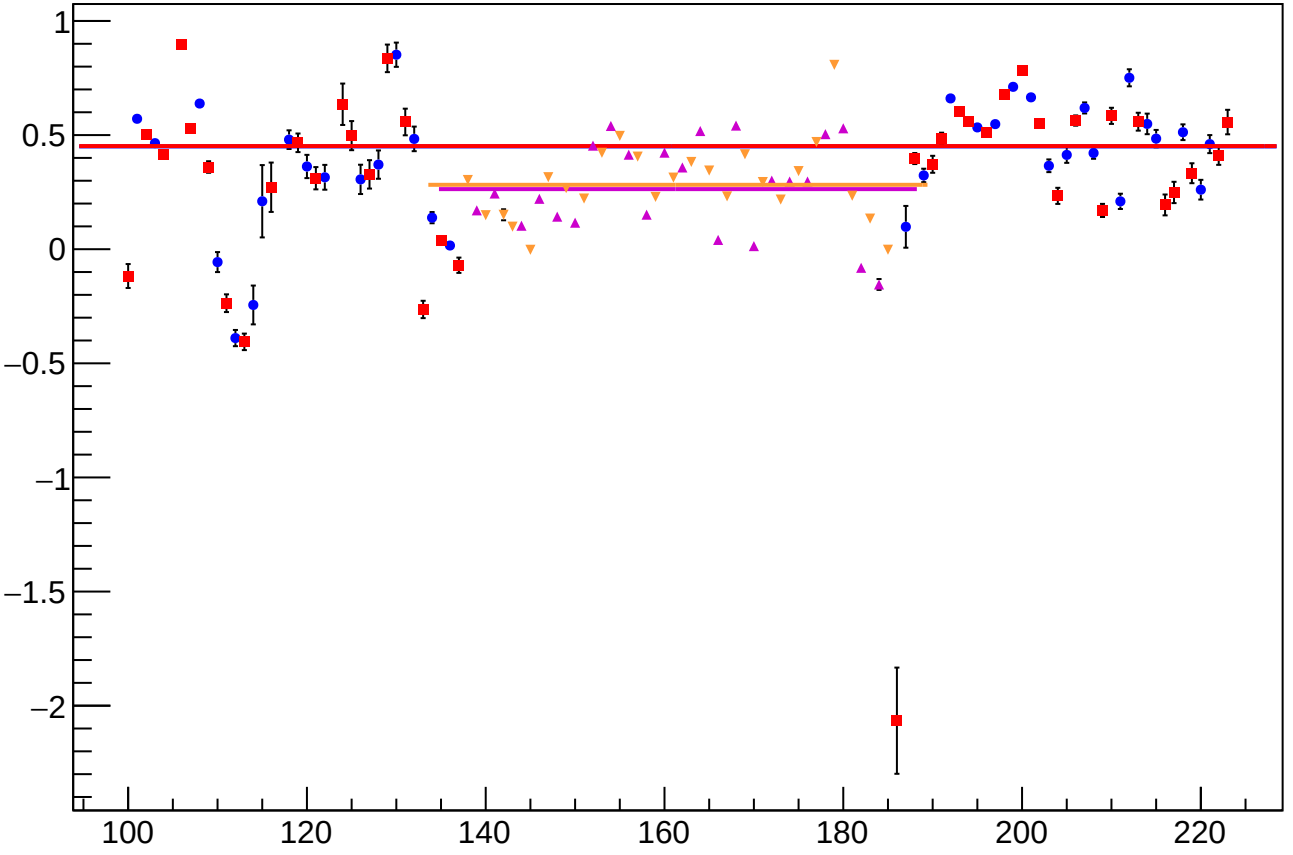
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -52.096+/-0.056 χ^2/NDF: 63308.0/58

All: -51.586+/-0.040 χ^2/NDF: 127320.8/120

- sign -51.062+/-0.057 χ^2/NDF: 63845.5/61

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.450+/-0.005 χ^2/NDF: 2752.4/33

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.452+/-0.004 χ^2/NDF: 3834.2/38

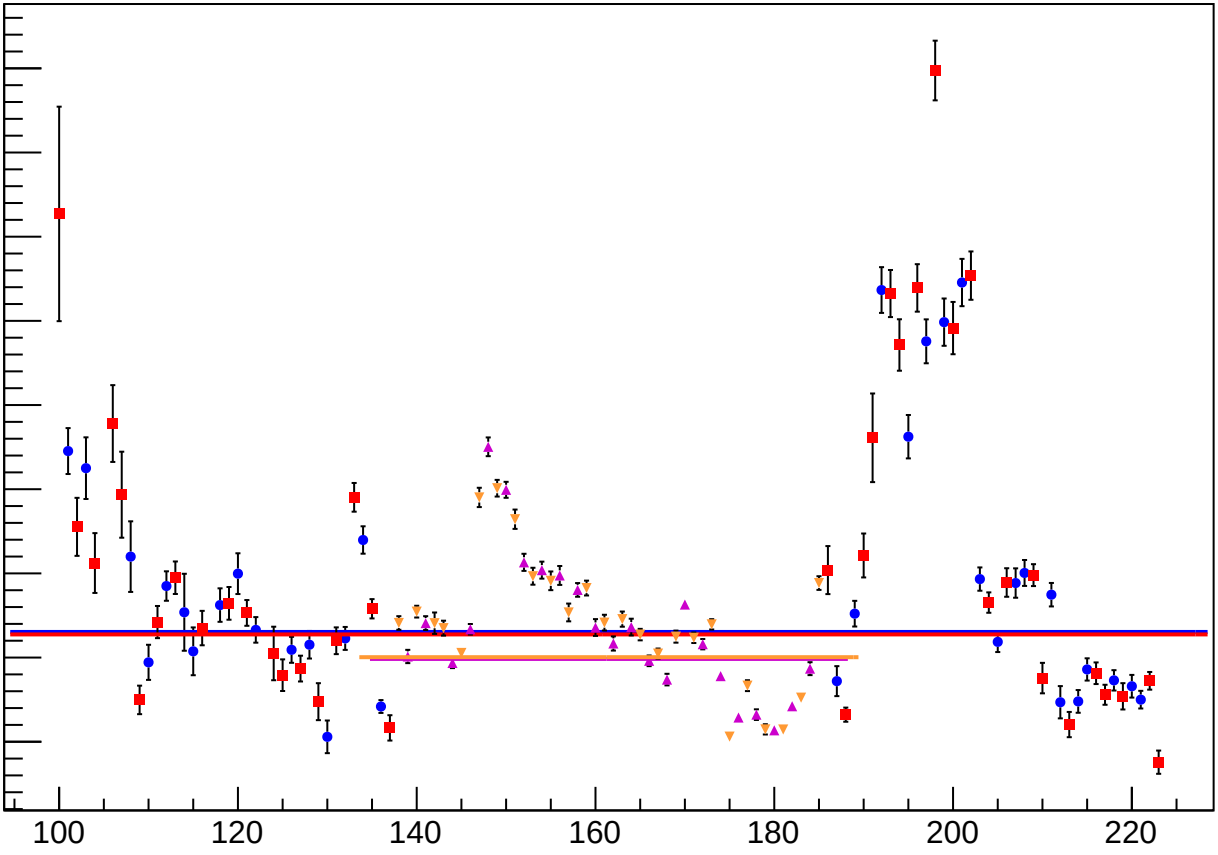
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.333+/-0.002 χ^2/NDF: 6433.7/58

All: 0.330+/-0.002 χ^2/NDF: 15399.2/120

- sign 0.326+/-0.002 χ^2/NDF: 8961.5/61

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.521+/-0.139 χ^2/NDF: 1461.0/33

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.375+/-0.139 χ^2/NDF: 2060.1/38

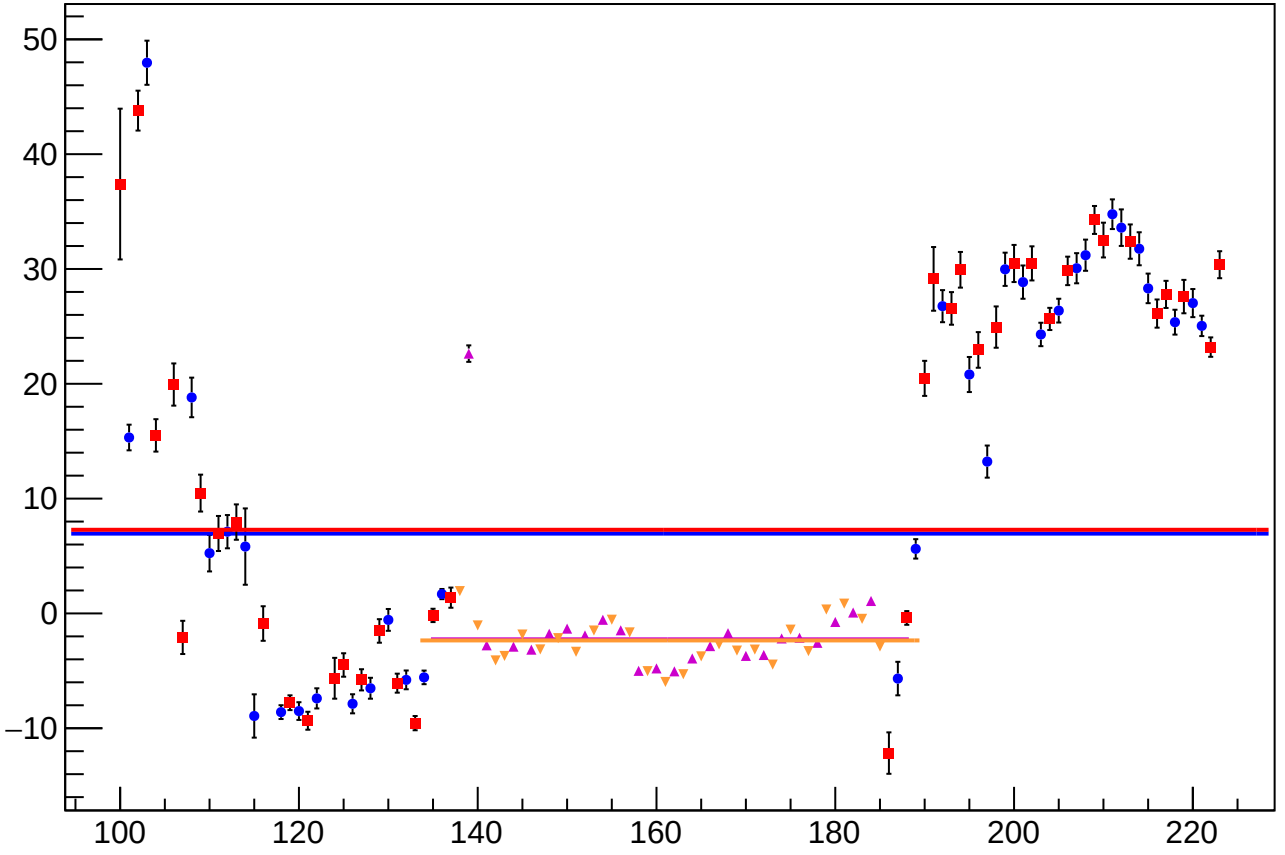
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.316+/-0.061 χ^2/NDF: 4314.1/58

All: 0.269+/-0.044 χ^2/NDF: 8927.0/120

- sign 0.219+/-0.063 χ^2/NDF: 4611.7/61

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 6.951+/-0.172 χ^2/NDF: 7818.9/33

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 7.284+/-0.175 χ^2/NDF: 7964.9/38

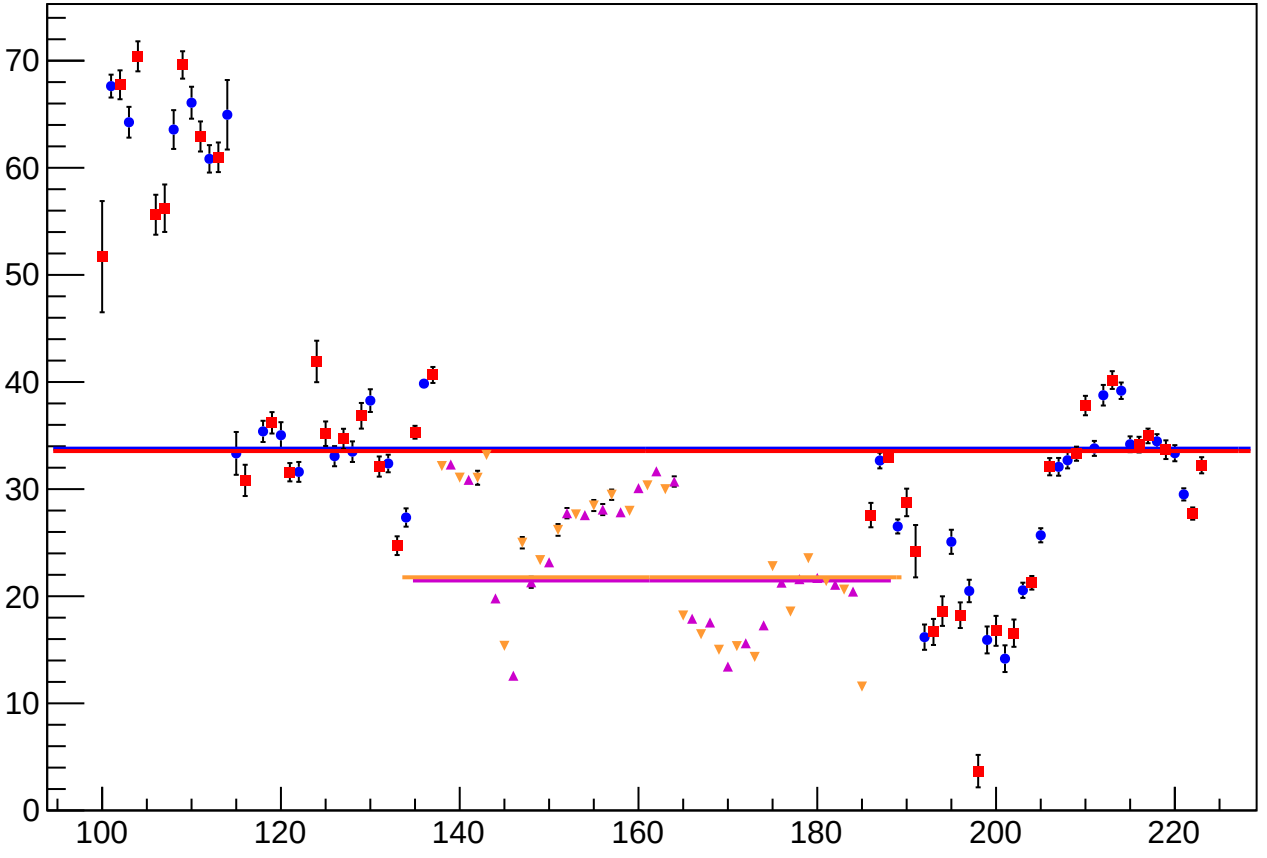
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.488+/-0.052 χ^2/NDF: 11592.8/58

All: -1.427+/-0.038 χ^2/NDF: 24117.9/120

- sign -1.364+/-0.054 χ^2/NDF: 12522.4/61

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 33.779+/-0.145 χ^2/NDF: 4721.4/33

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.553+/-0.143 χ^2/NDF: 5286.9/38

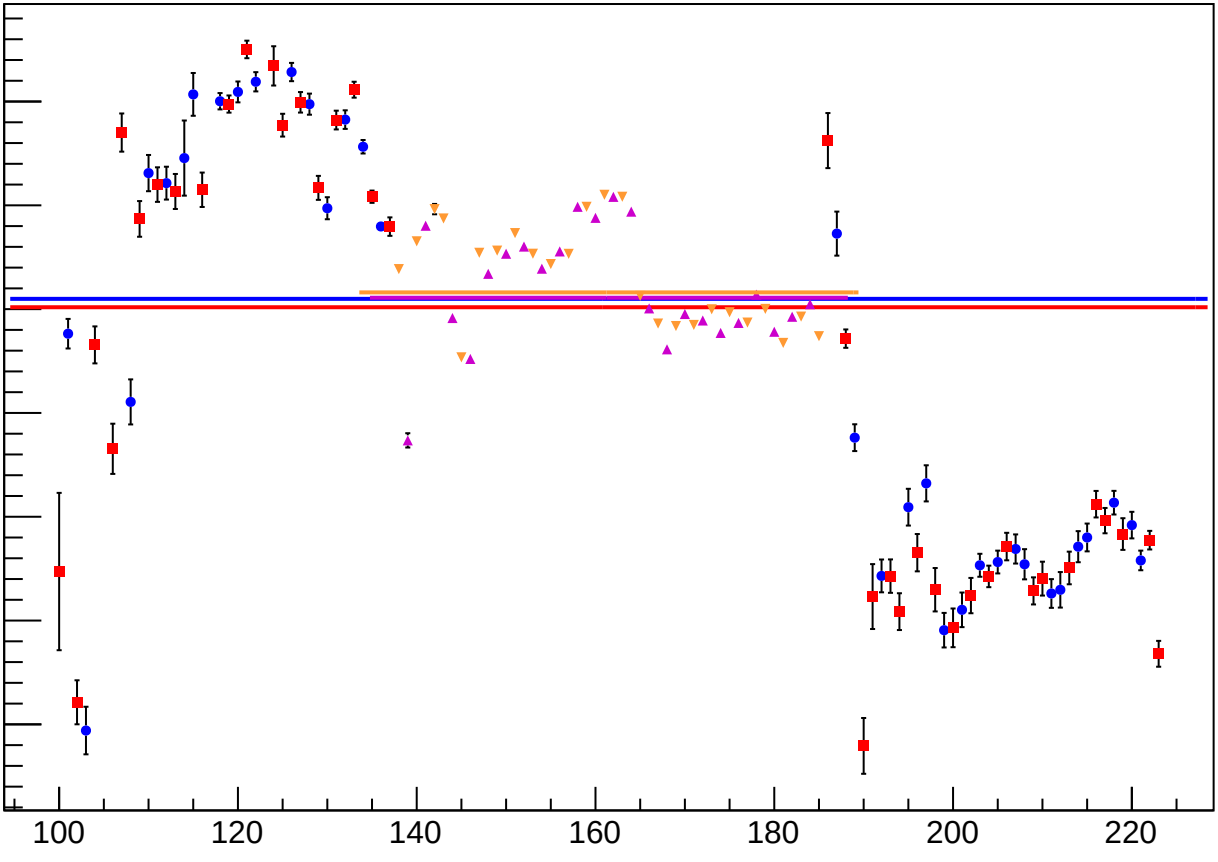
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.985+/-0.062 χ^2/NDF: 17149.3/58

All: 23.912+/-0.044 χ^2/NDF: 33957.8/120

- sign 23.837+/-0.063 χ^2/NDF: 16805.8/61

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 40.991+/-0.192 χ^2/NDF: 9733.3/33

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

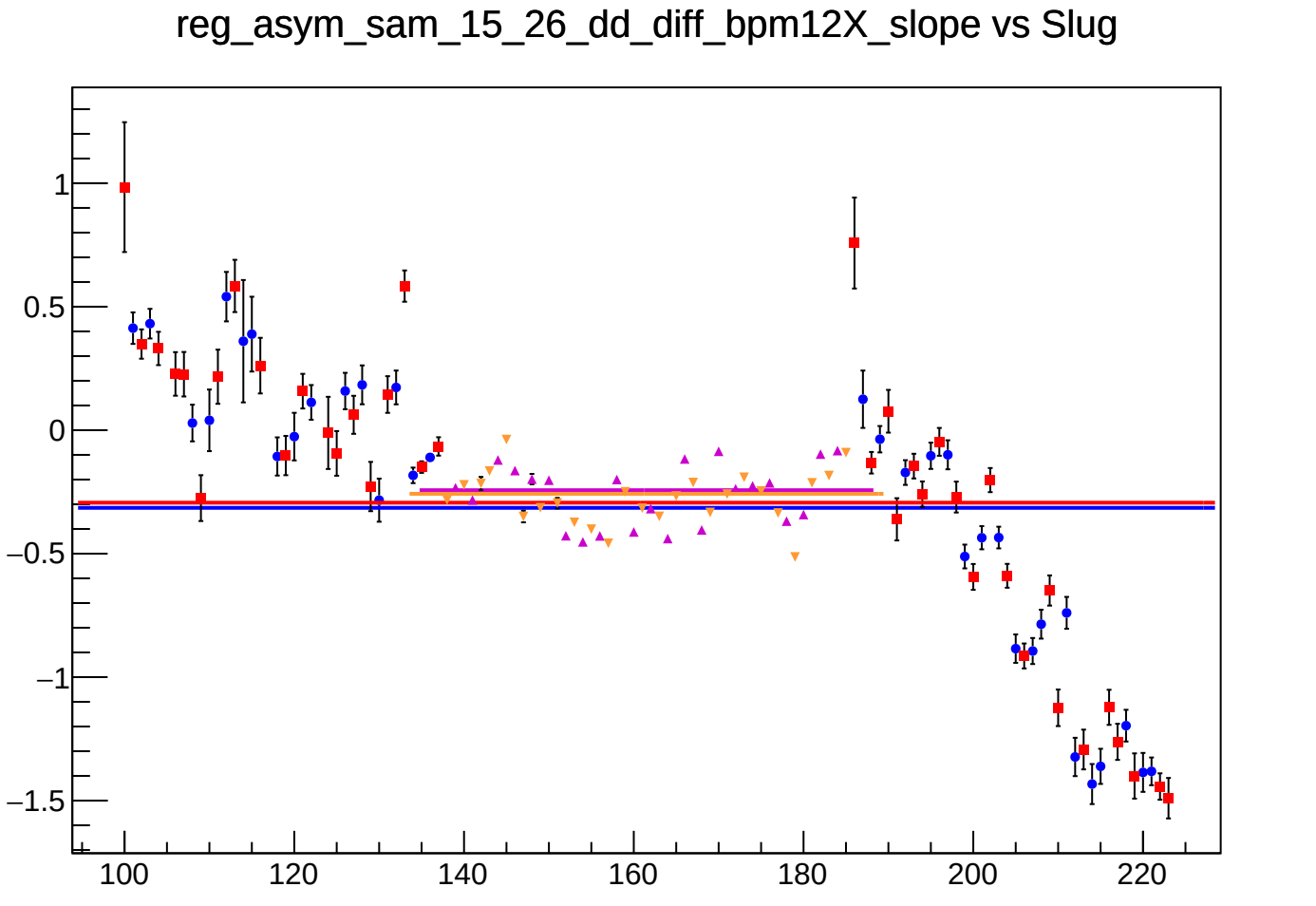
Right Out: 40.183+/-0.199 χ^2/NDF: 10221.1/38

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 41.556+/-0.058 χ^2/NDF: 15518.8/58

All: 41.292+/-0.042 χ^2/NDF: 31279.1/120

- sign 41.015+/-0.060 χ^2/NDF: 15718.3/61



Right In: -0.314+/-0.009 χ^2/NDF: 2490.2/33

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.294+/-0.010 χ^2/NDF: 2555.6/38

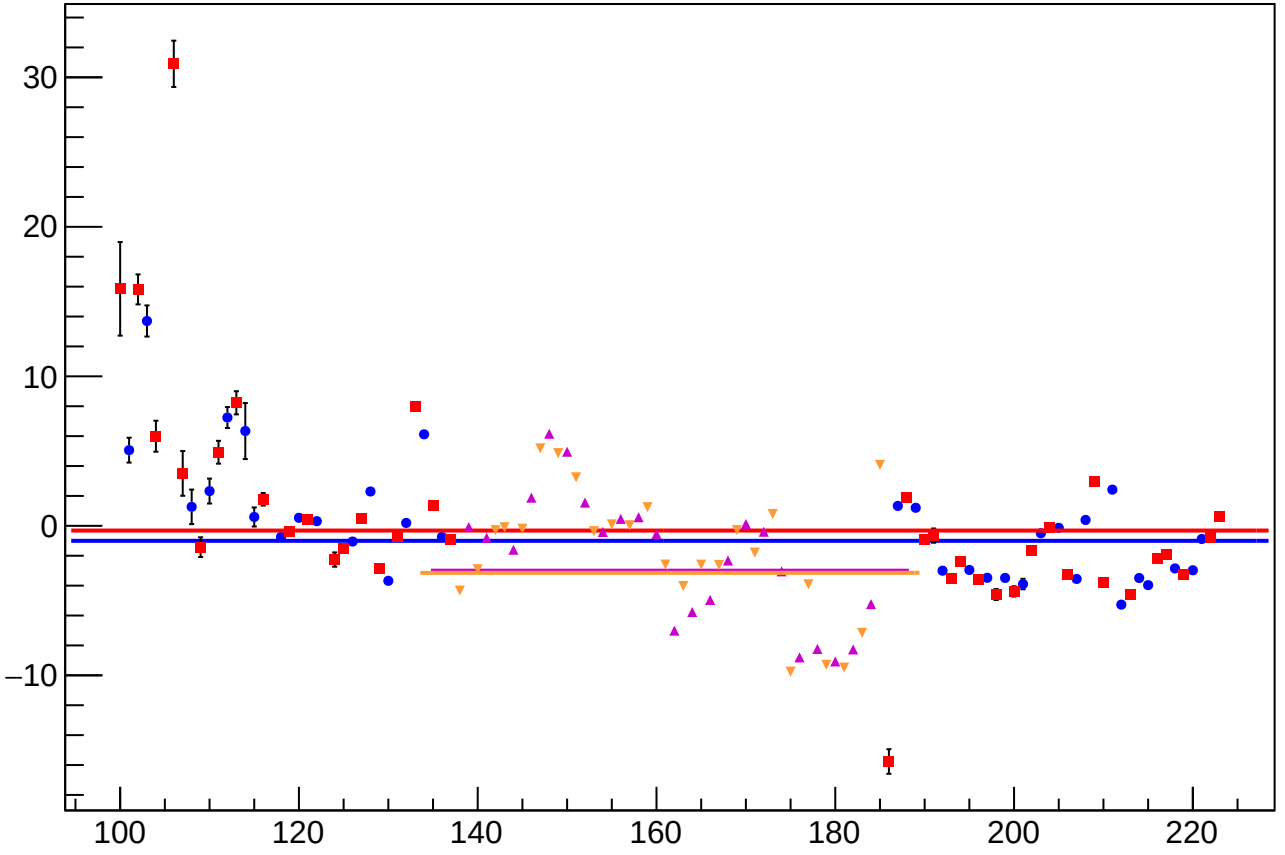
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.262+/-0.003 χ^2/NDF: 4039.2/58

All: -0.255+/-0.002 χ^2/NDF: 8447.7/120

- sign -0.247+/-0.003 χ^2/NDF: 4391.8/61

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.003+/-0.042 χ^2/NDF: 3399.5/33

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

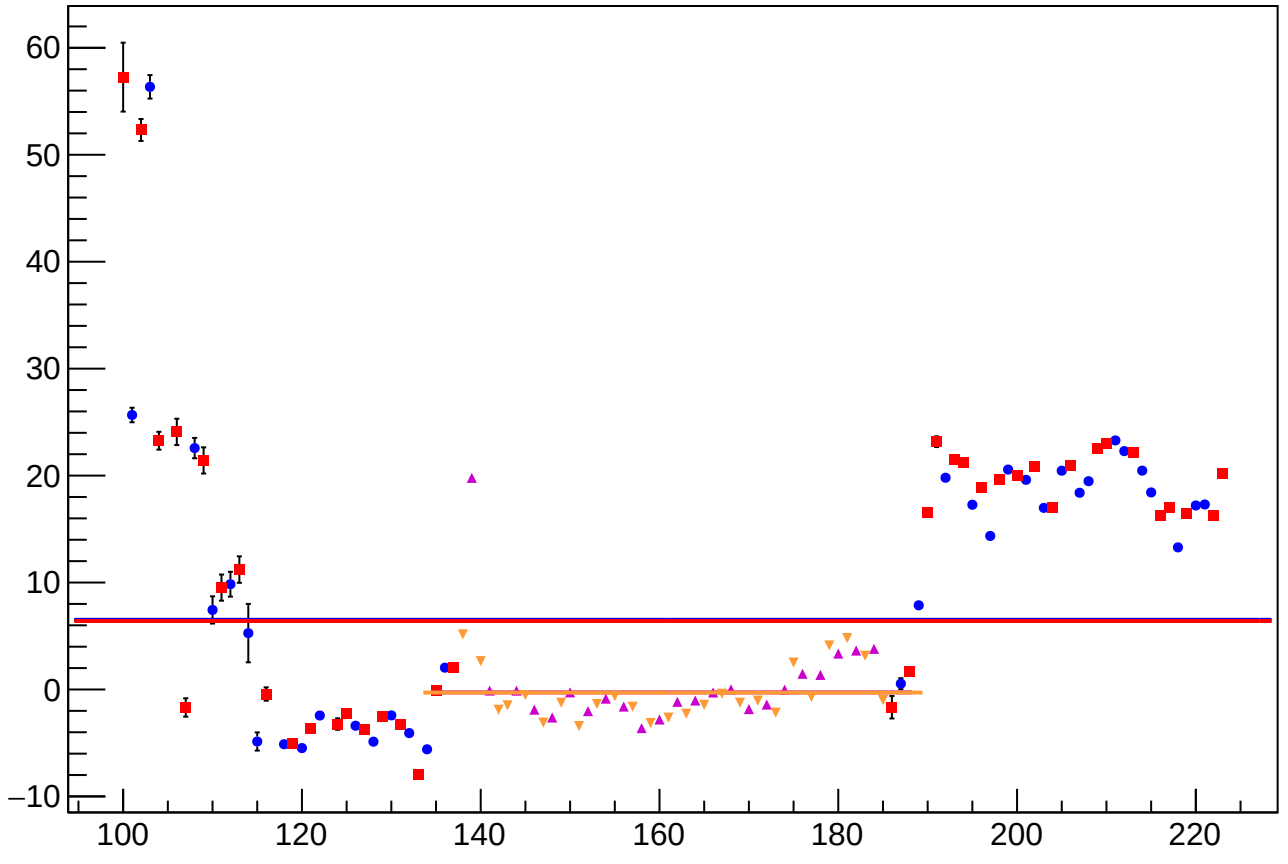
Right Out: -0.315+/-0.041 χ^2/NDF: 5958.8/38

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.499+/-0.023 χ^2/NDF: 30555.1/58

All: -2.322+/-0.016 χ^2/NDF: 61906.9/120

- sign -2.139+/-0.023 χ^2/NDF: 31232.9/61



Right In: 6.512+/-0.052 χ^2/NDF: 47317.2/33

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 6.405+/-0.050 χ^2/NDF: 56499.9/38

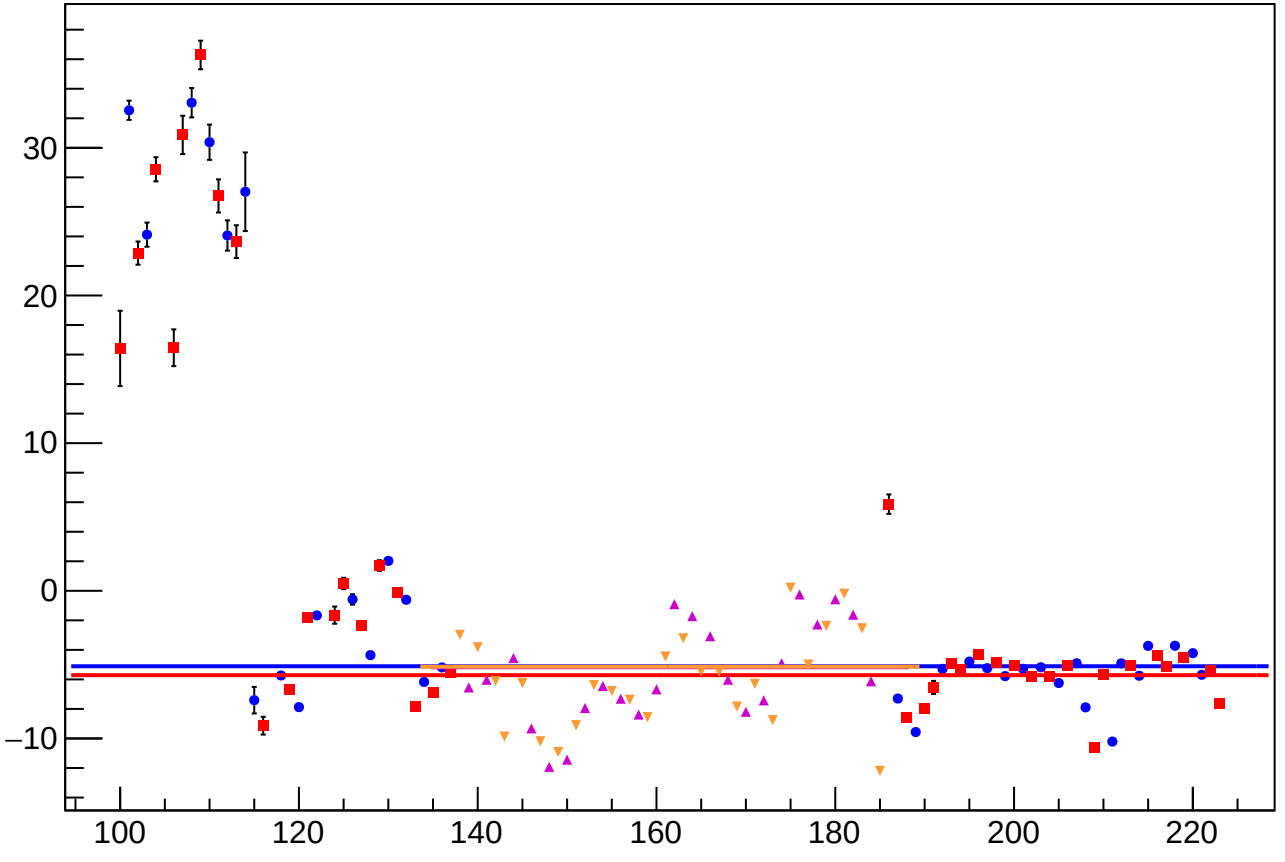
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

\+ sign 0.733+/-0.020 χ^2/NDF: 74111.5/58

All: 0.778+/-0.014 χ^2/NDF: 158543.5/120

\- sign 0.823+/-0.020 χ^2/NDF: 84422.0/61

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.109+/-0.043 χ^2/NDF: 10829.7/33

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.713+/-0.041 χ^2/NDF: 11642.3/38

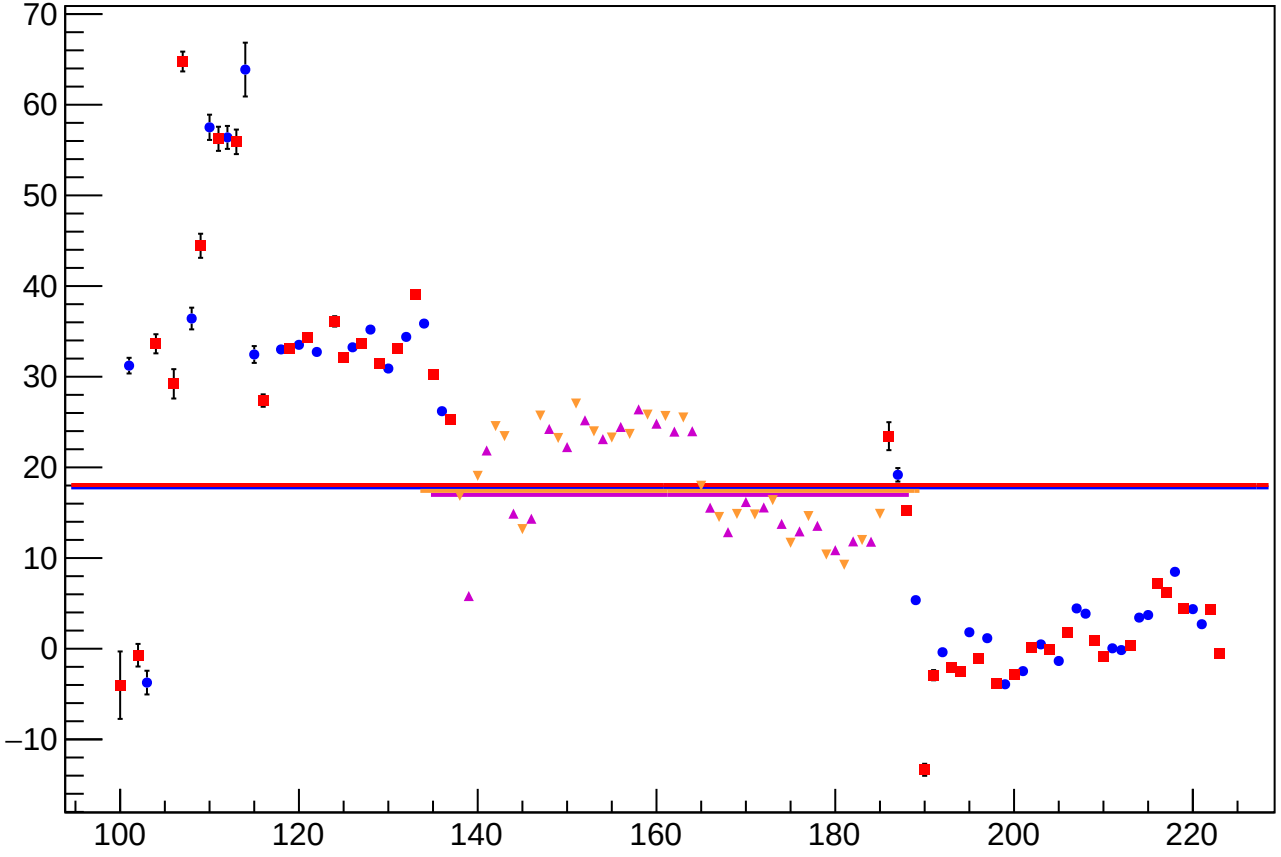
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.129+/-0.023 χ^2/NDF: 25456.0/58

All: -5.239+/-0.017 χ^2/NDF: 51220.3/120

- sign -5.349+/-0.023 χ^2/NDF: 25720.2/61

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 17.794+/-0.059 χ^2/NDF: 69589.8/33

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

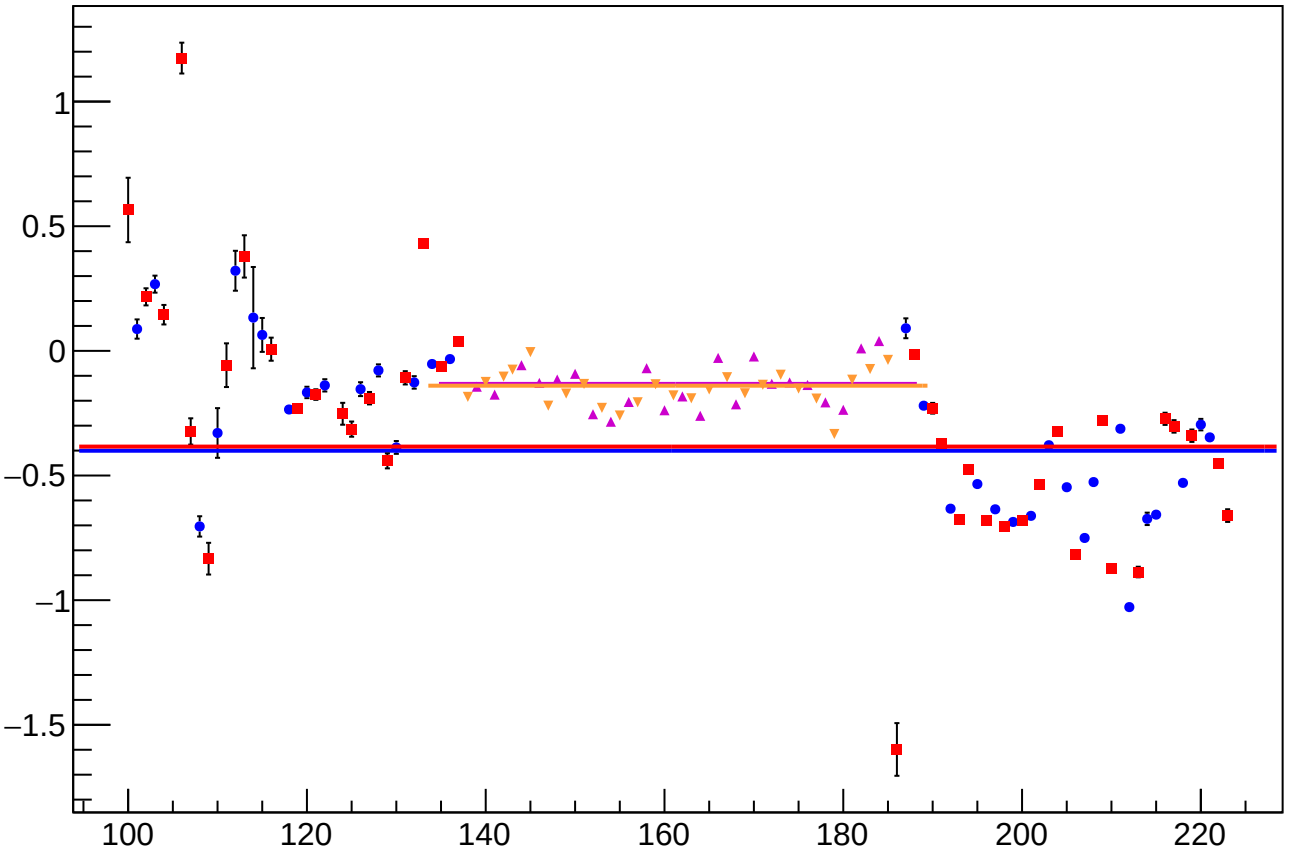
Right Out: 18.056+/-0.058 χ^2/NDF: 84534.1/38

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.465+/-0.023 χ^2/NDF: 120257.0/58

All: 17.304+/-0.016 χ^2/NDF: 245131.0/120

- sign 17.138+/-0.023 χ^2/NDF: 124770.5/61



Right In: -0.401+/-0.003 χ^2/NDF: 9937.2/33

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.384+/-0.003 χ^2/NDF: 14336.5/38

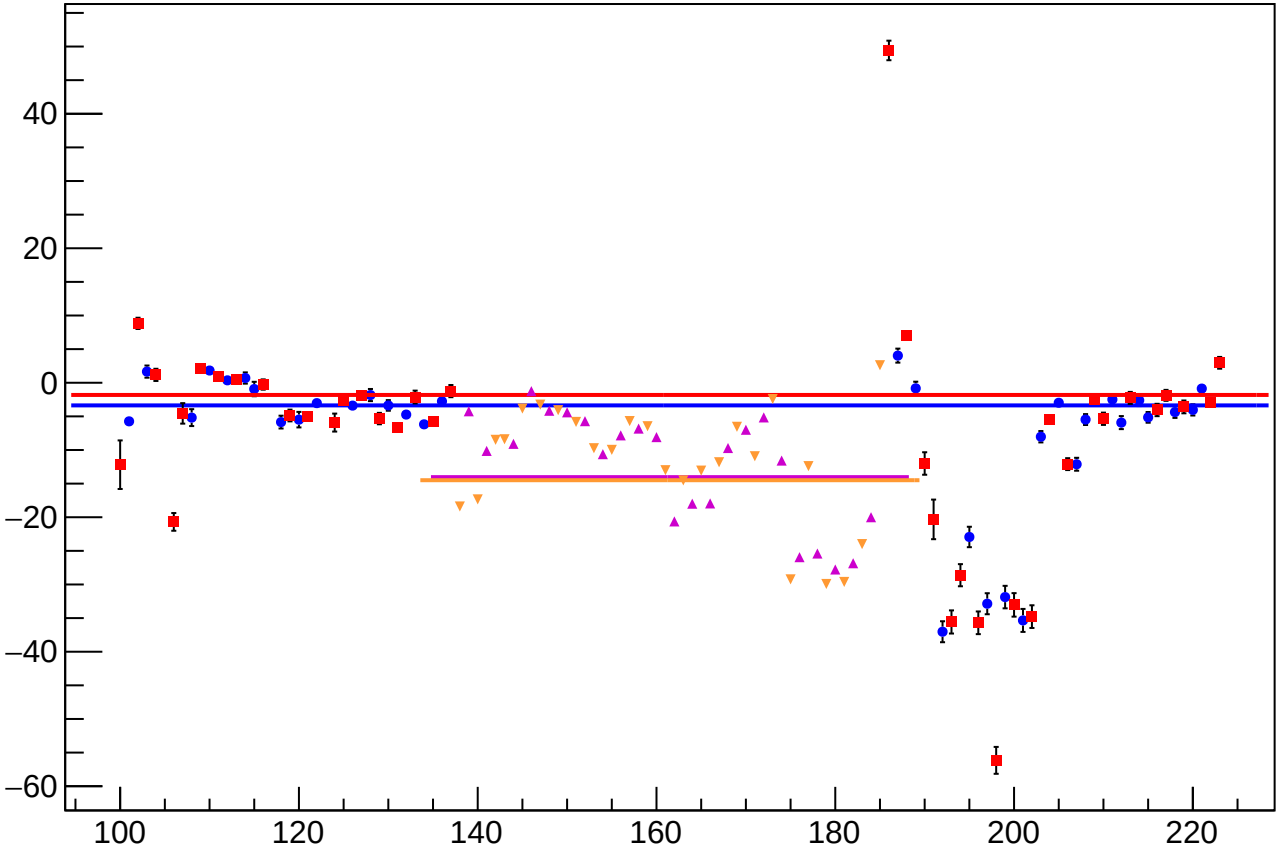
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.175+/-0.001 χ^2/NDF: 21753.7/58

All: -0.172+/-0.001 χ^2/NDF: 49001.4/120

- sign -0.169+/-0.001 χ^2/NDF: 27229.2/61

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.367+/-0.128 χ^2/NDF: 2235.4/33

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.814+/-0.122 χ^2/NDF: 5091.9/38

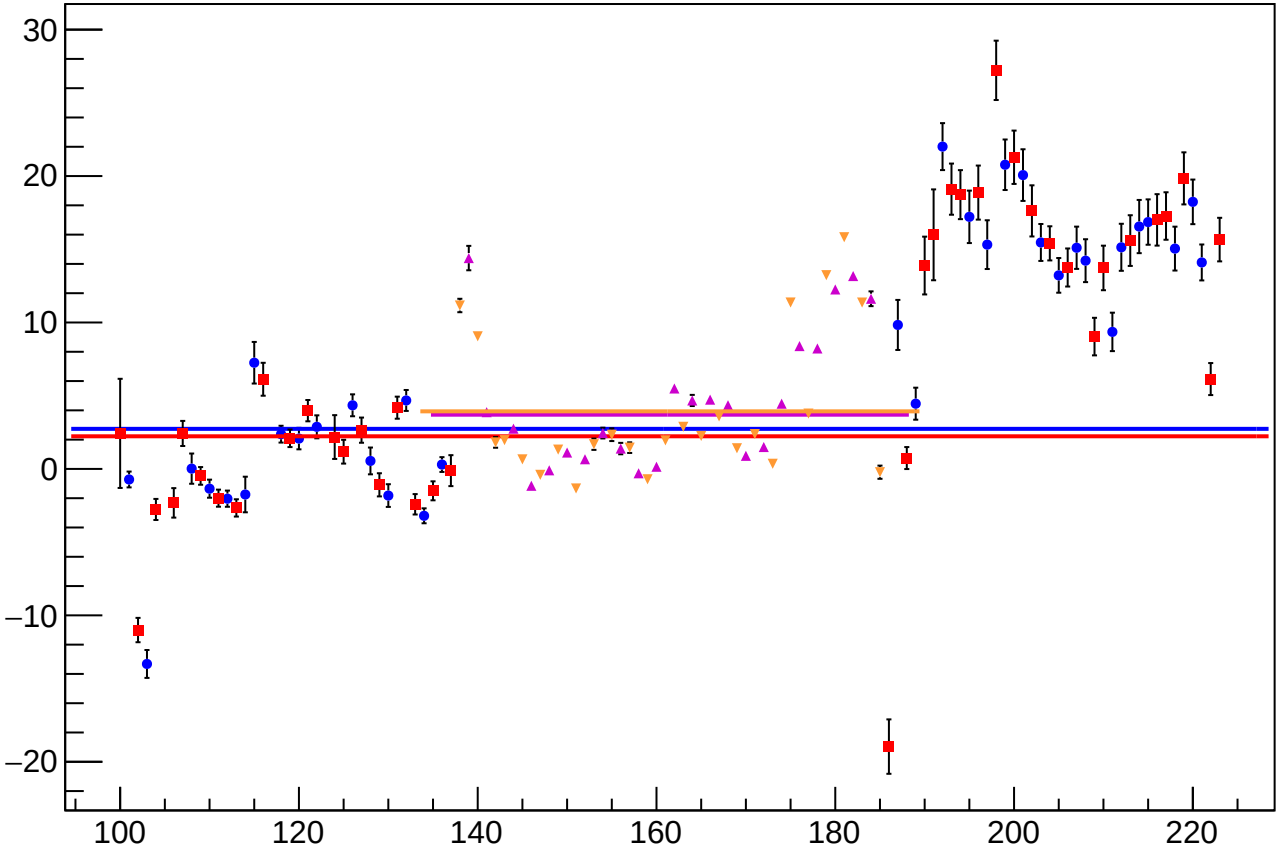
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -11.656+/-0.065 χ^2/NDF: 25117.7/58

All: -11.120+/-0.046 χ^2/NDF: 51002.7/120

- sign -10.576+/-0.065 χ^2/NDF: 25746.1/61

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.737+/-0.155 χ^2/NDF: 1976.6/33

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 2.228+/-0.156 χ^2/NDF: 2090.2/38

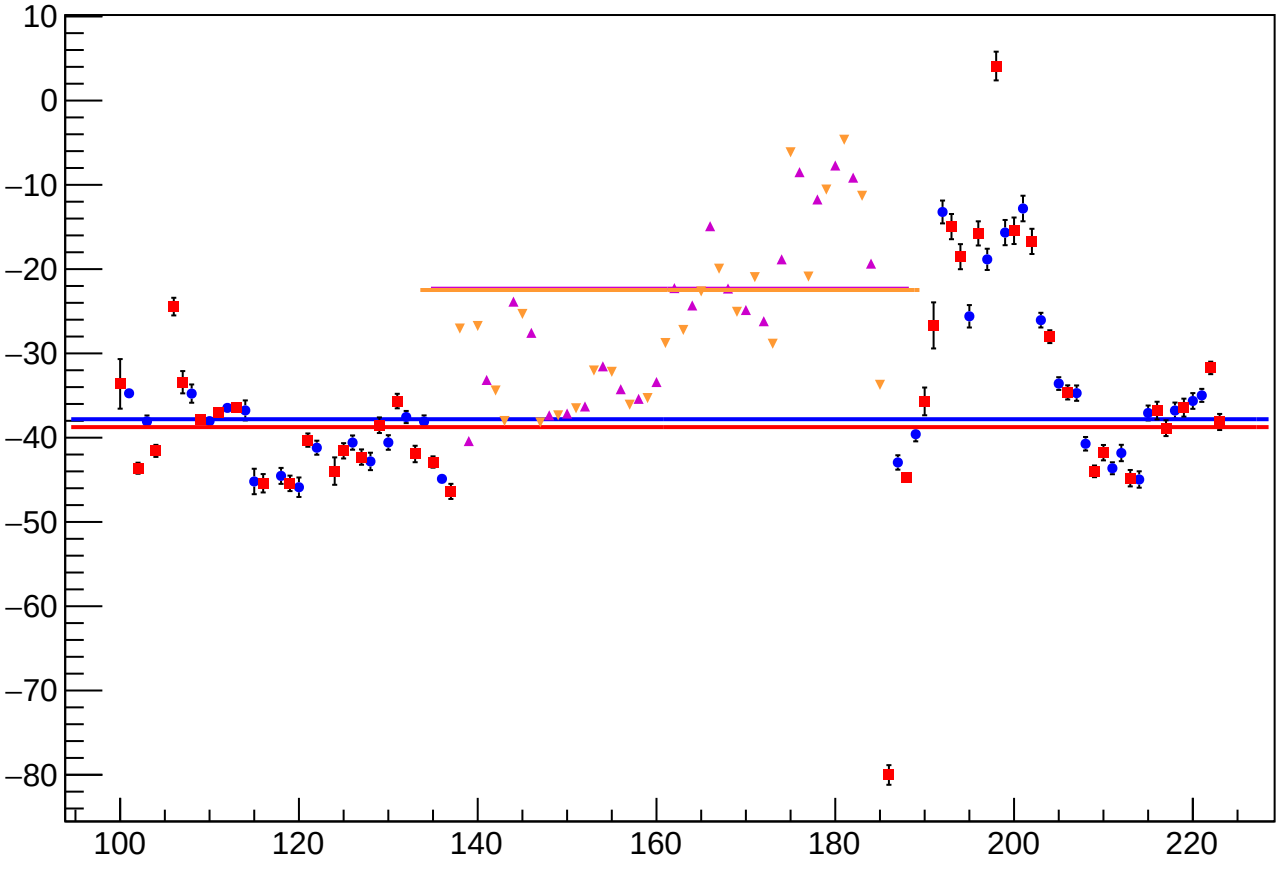
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.785+/-0.054 χ^2/NDF: 9008.2/58

All: 3.654+/-0.039 χ^2/NDF: 15977.1/120

- sign 3.517+/-0.055 χ^2/NDF: 6956.9/61

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.809+/-0.140 χ^2/NDF: 2063.3/33

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.746+/-0.137 χ^2/NDF: 4239.7/38

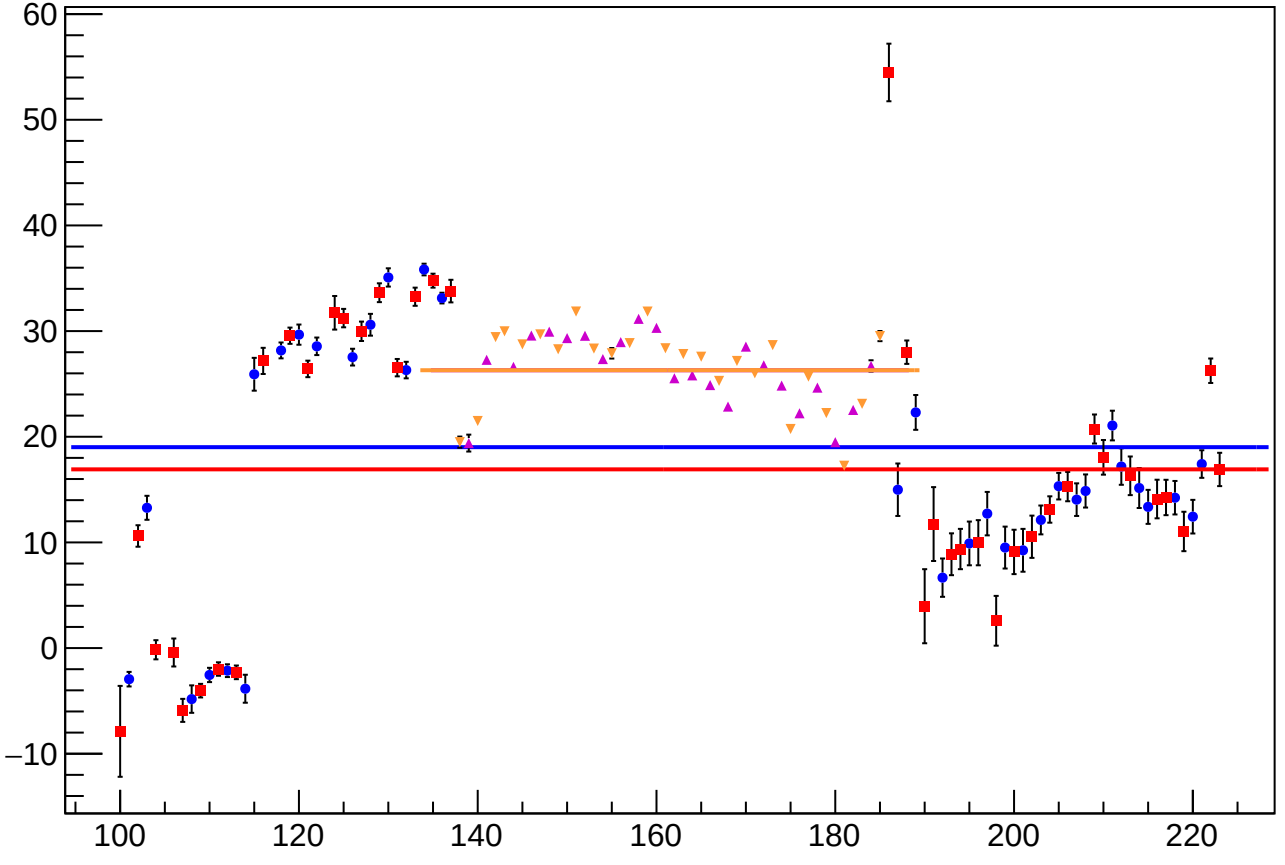
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.895+/-0.066 χ^2/NDF: 31846.8/58

All: -26.056+/-0.047 χ^2/NDF: 64156.6/120

- sign -26.222+/-0.067 χ^2/NDF: 32297.7/61

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.015+/-0.174 χ^2/NDF: 6944.8/33

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.914+/-0.177 χ^2/NDF: 7248.2/38

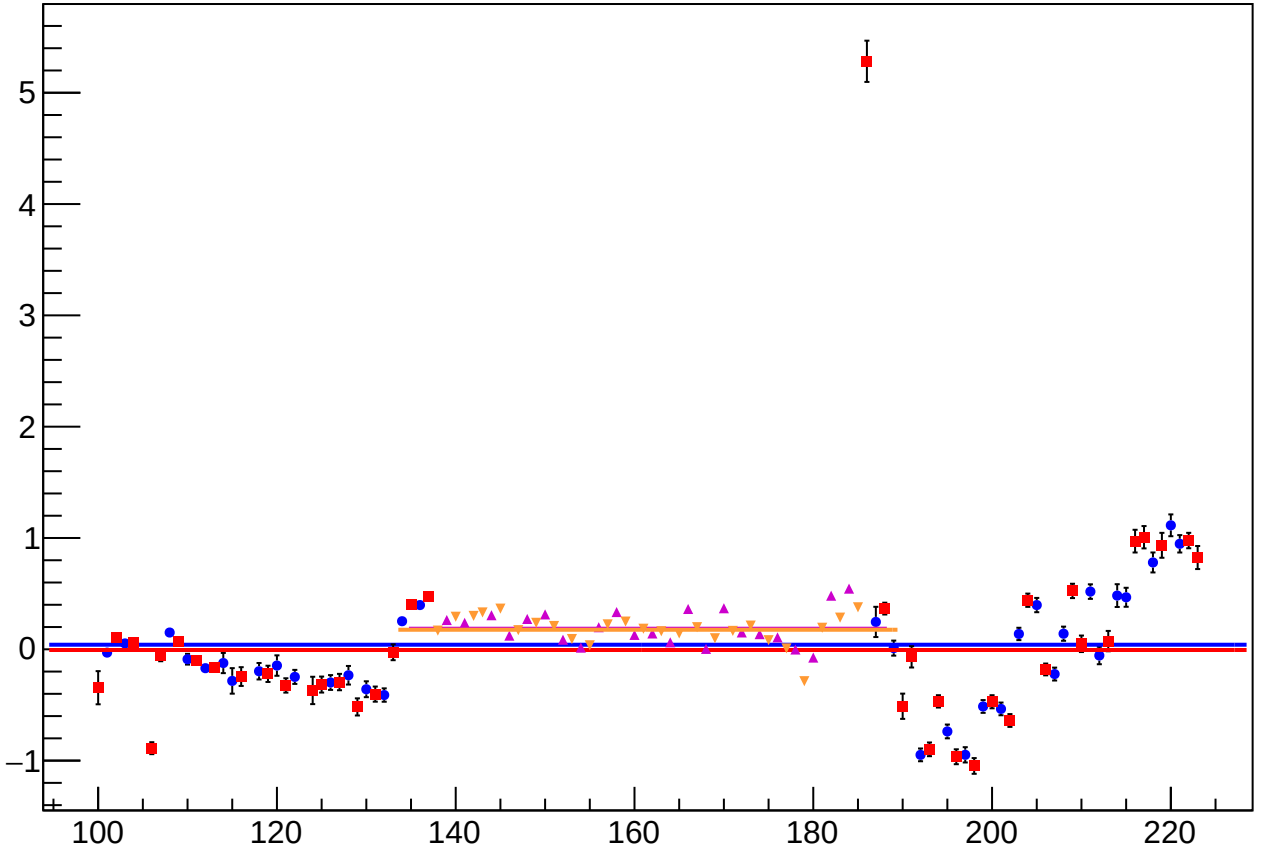
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.401+/-0.061 χ^2/NDF: 11790.1/58

All: 25.266+/-0.044 χ^2/NDF: 23701.5/120

- sign 25.124+/-0.062 χ^2/NDF: 11901.2/61

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.041+/-0.009 χ^2/NDF: 1923.0/33

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.006+/-0.009 χ^2/NDF: 3273.0/38

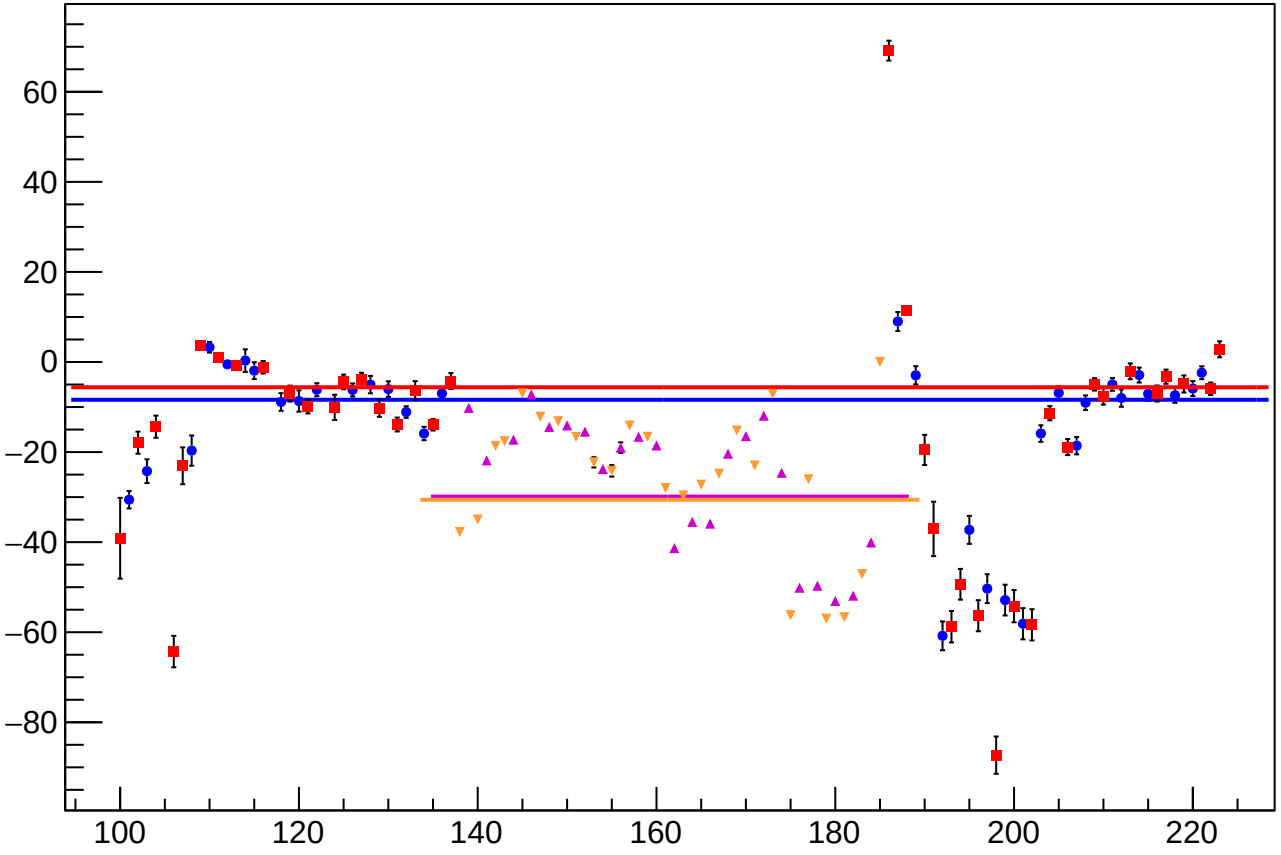
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.162+/-0.003 χ^2/NDF: 4070.8/58

All: 0.164+/-0.002 χ^2/NDF: 10285.4/120

- sign 0.166+/-0.003 χ^2/NDF: 6213.5/61

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.380+/-0.287 χ^2/NDF: 1466.1/33

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.604+/-0.281 χ^2/NDF: 3538.5/38

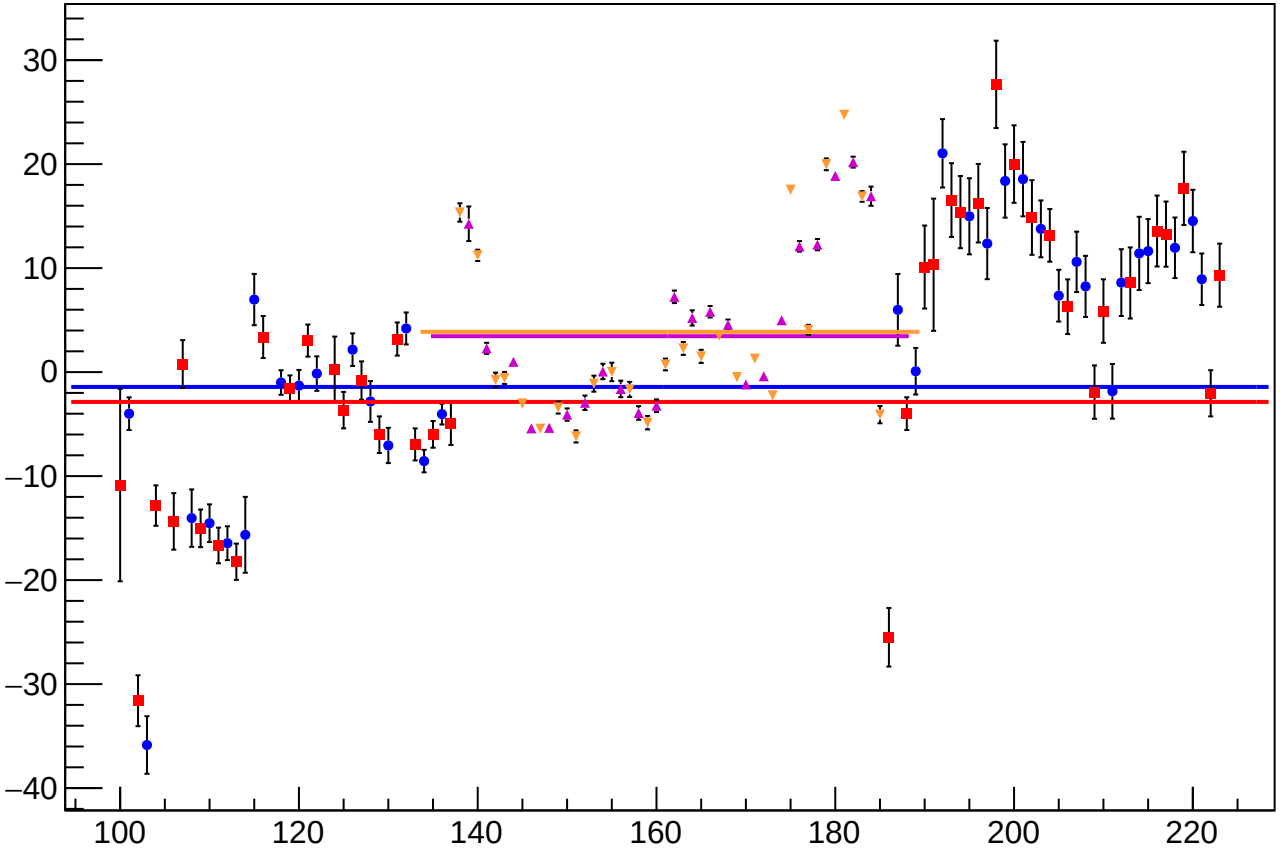
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -26.205+/-0.127 χ^2/NDF: 22329.8/58

All: -25.472+/-0.091 χ^2/NDF: 43836.6/120

- sign -24.711+/-0.130 χ^2/NDF: 21439.3/61

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.425+/-0.344 χ^2/NDF: 753.6/33

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -2.866+/-0.353 χ^2/NDF: 881.7/38

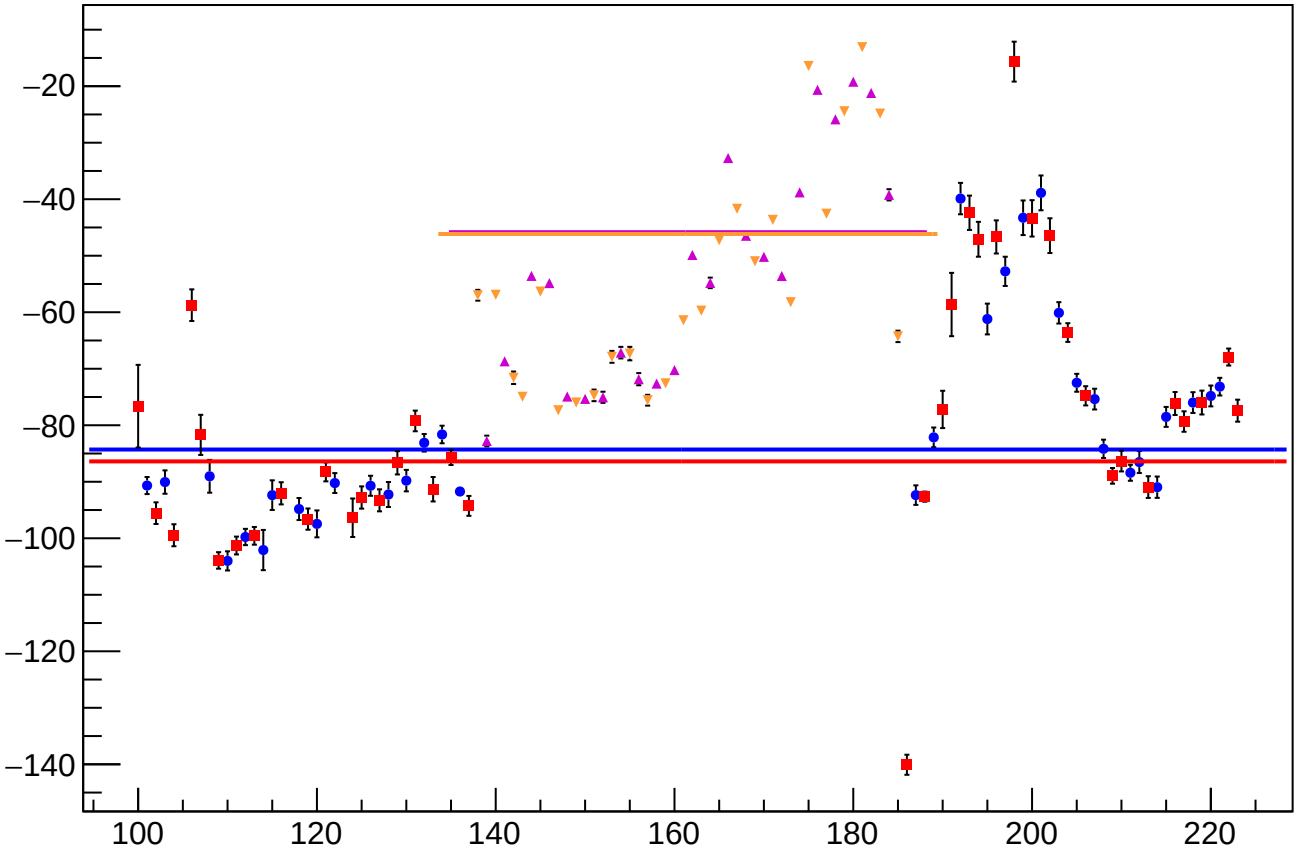
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.372+/-0.106 χ^2/NDF: 7510.2/58

All: 3.121+/-0.076 χ^2/NDF: 13388.1/120

- sign 2.858+/-0.108 χ^2/NDF: 5866.4/61

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -84.295+/-0.308 χ^2/NDF: 1764.0/33

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -86.396+/-0.305 χ^2/NDF: 3362.9/38

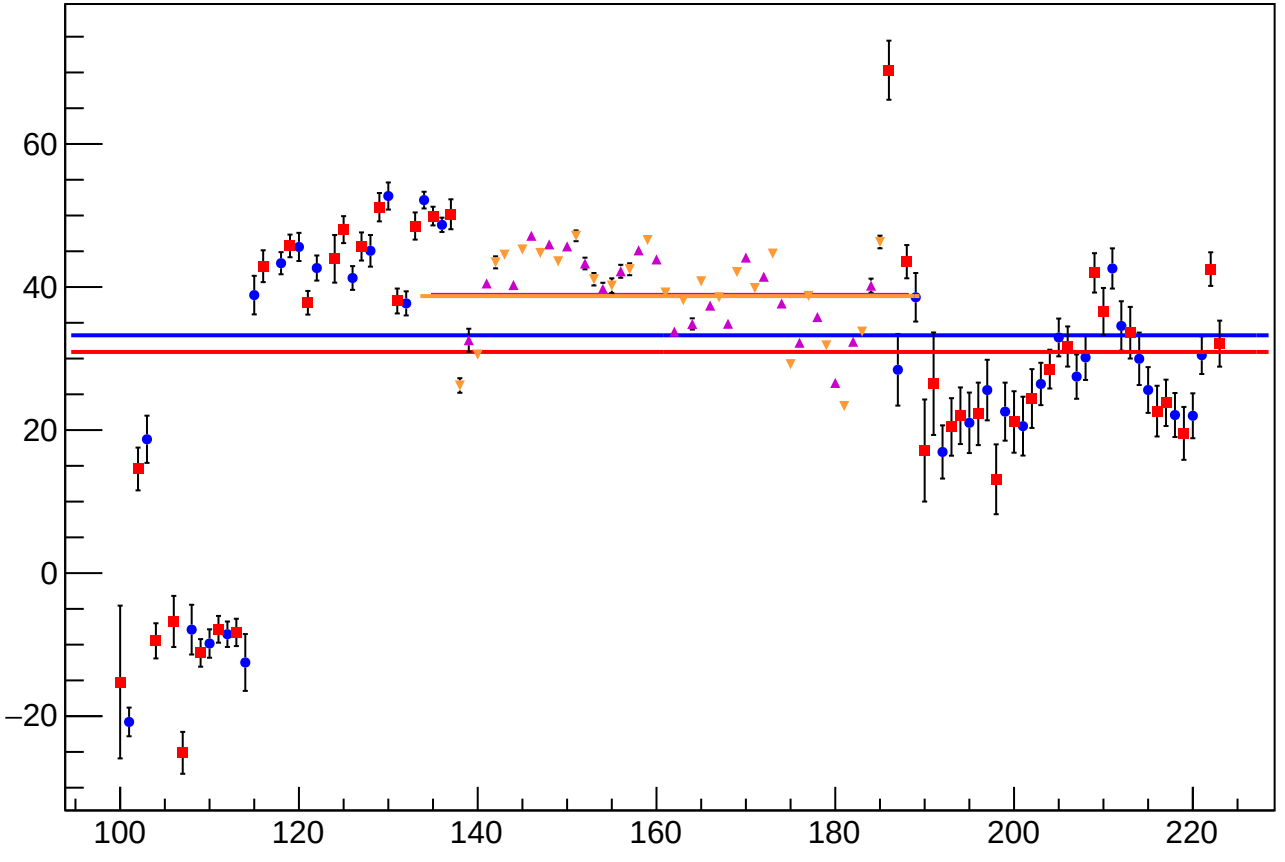
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -52.886+/-0.129 χ^2/NDF: 35881.7/58

All: -53.136+/-0.092 χ^2/NDF: 71566.1/120

- sign -53.396+/-0.132 χ^2/NDF: 35676.7/61

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.251+/-0.385 χ^2/NDF: 2925.5/33

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.924+/-0.399 χ^2/NDF: 3139.2/38

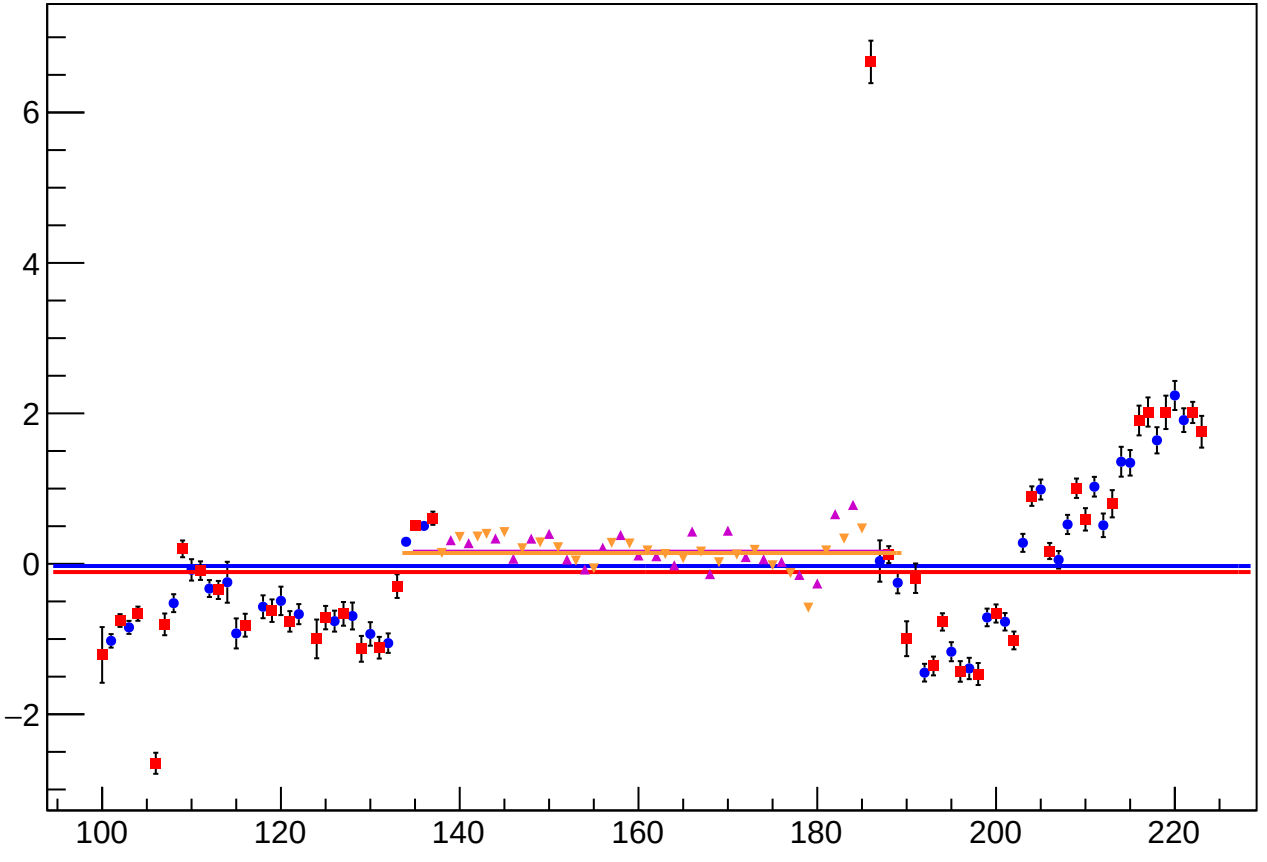
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.211+/-0.119 χ^2/NDF: 5890.6/58

All: 38.189+/-0.085 χ^2/NDF: 11364.9/120

- sign 38.165+/-0.121 χ^2/NDF: 5474.3/61

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.029+/-0.019 χ^2/NDF: 1692.1/33

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.110+/-0.020 χ^2/NDF: 2656.6/38

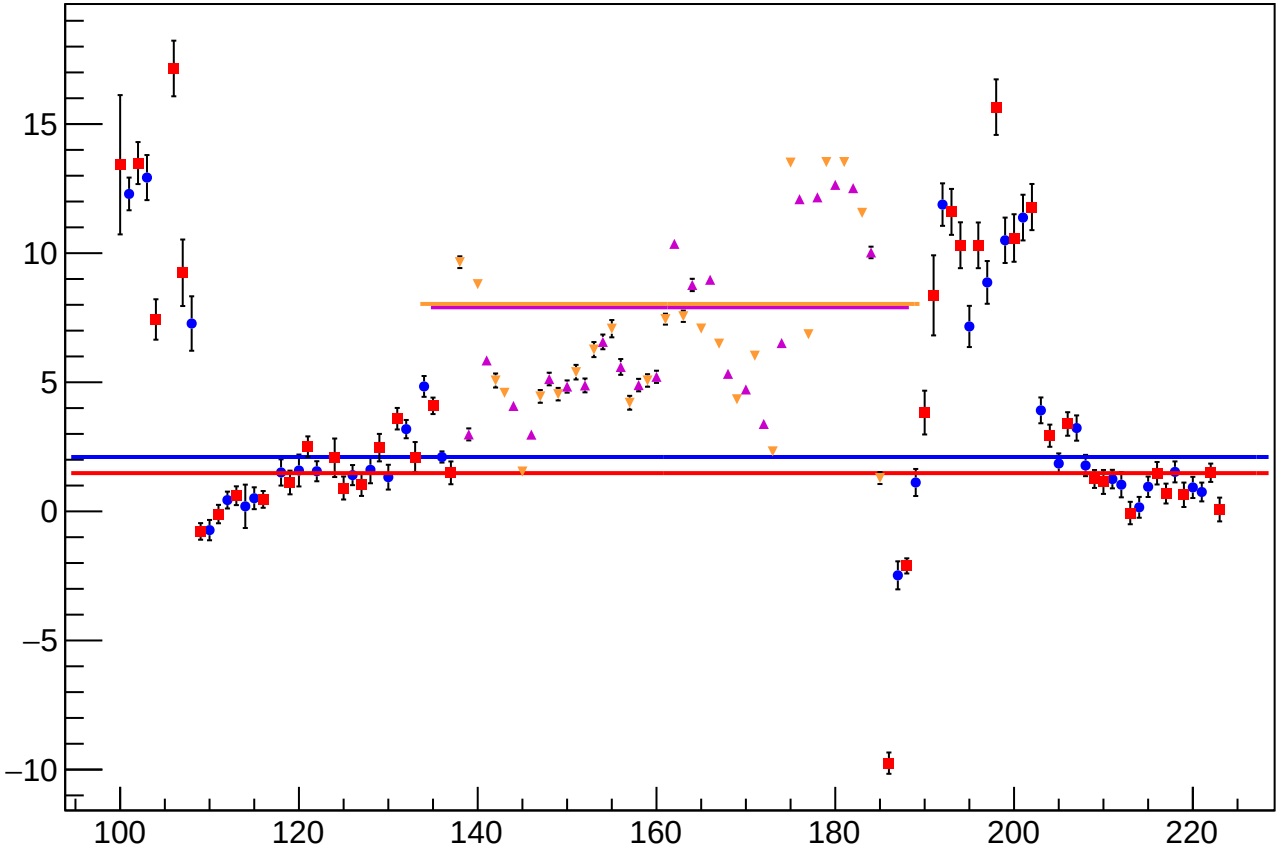
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.130+/-0.005 χ^2/NDF: 3208.1/58

All: 0.136+/-0.004 χ^2/NDF: 7948.2/120

- sign 0.142+/-0.005 χ^2/NDF: 4737.9/61

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.106+/-0.077 χ^2/NDF: 1209.3/33

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

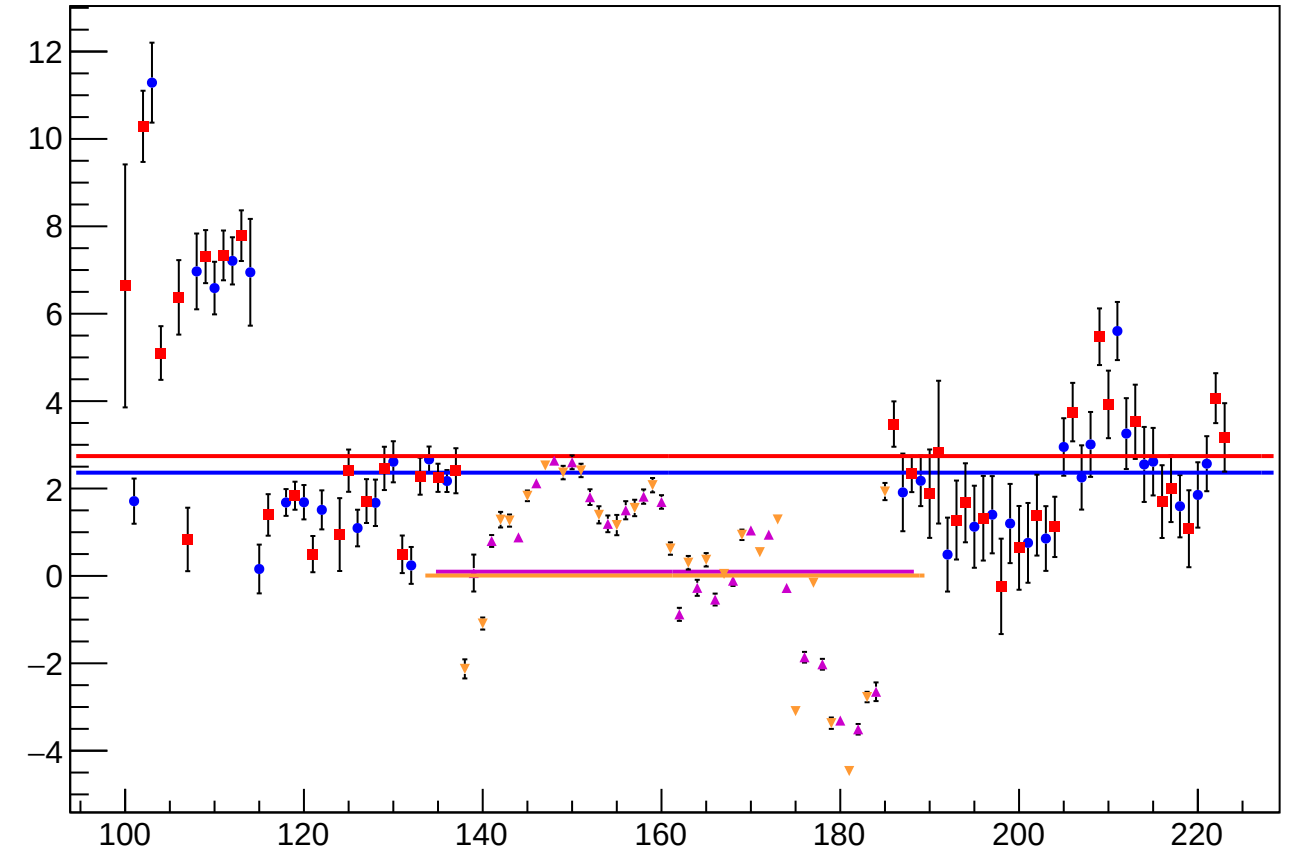
Right Out: 1.481+/-0.076 χ^2/NDF: 2445.3/38

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.028+/-0.032 χ^2/NDF: 20076.6/58

All: 6.883+/-0.023 χ^2/NDF: 38449.9/120

- sign 6.732+/-0.032 χ^2/NDF: 18330.4/61



Right In: 2.363+/-0.093 χ^2/NDF: 379.5/33

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.742+/-0.095 χ^2/NDF: 475.8/38

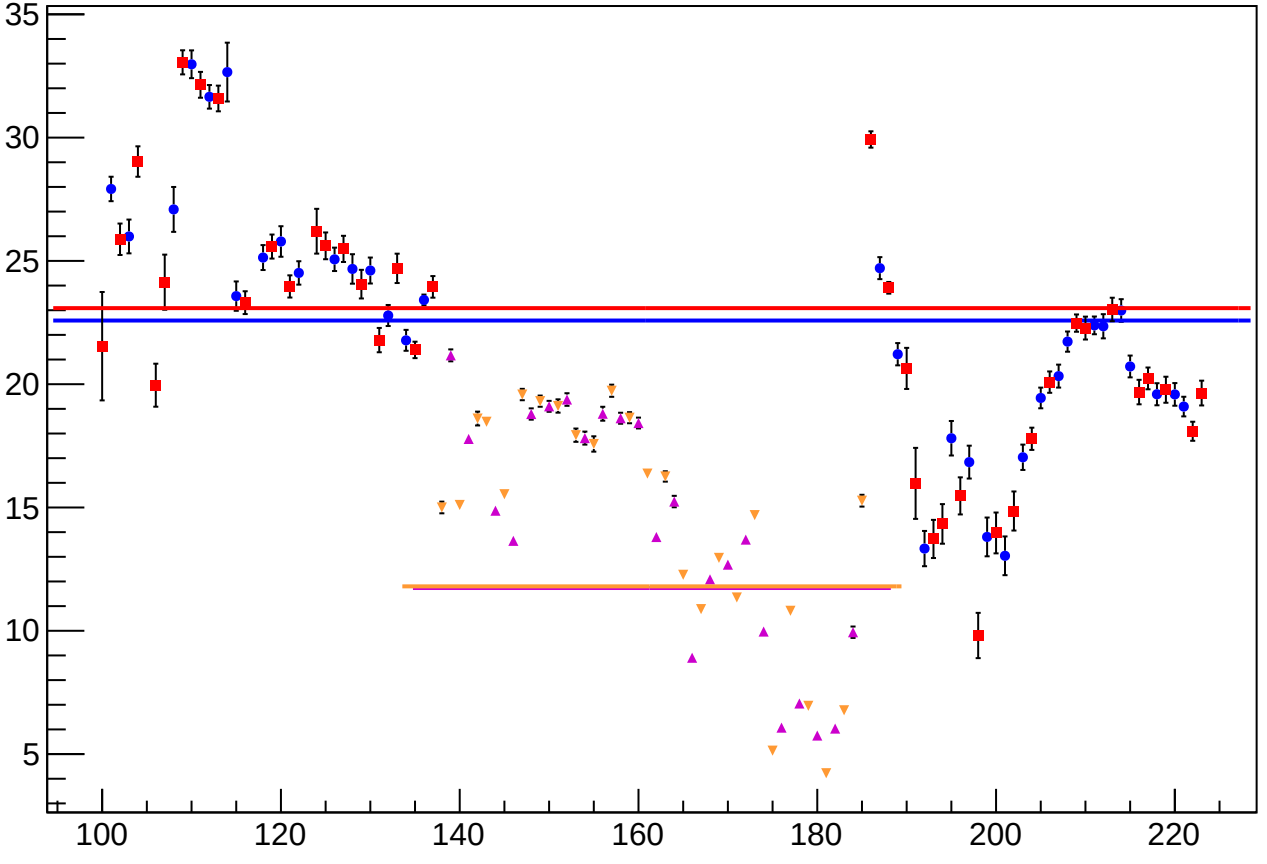
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.199+/-0.026 χ^2/NDF: 6734.4/58

All: 0.253+/-0.019 χ^2/NDF: 12365.4/120

- sign 0.309+/-0.027 χ^2/NDF: 5622.5/61

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 22.582+/-0.082 χ^2/NDF: 2055.7/33

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.085+/-0.081 χ^2/NDF: 3049.2/38

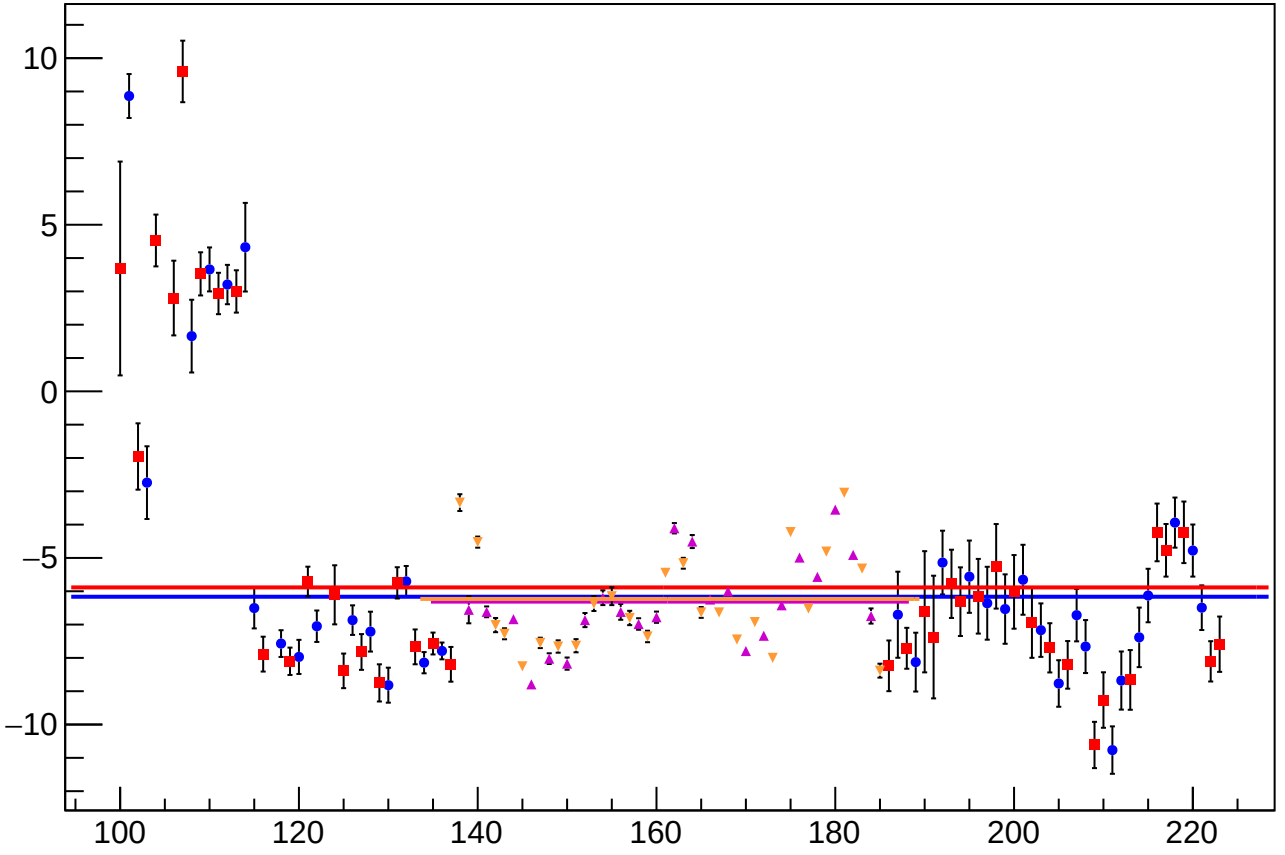
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.459+/-0.032 χ^2/NDF: 38250.7/58

All: 13.531+/-0.023 χ^2/NDF: 75875.9/120

- sign 13.607+/-0.033 χ^2/NDF: 37614.9/61

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.165+/-0.103 χ^2/NDF: 1347.7/33

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.884+/-0.108 χ^2/NDF: 1454.2/38

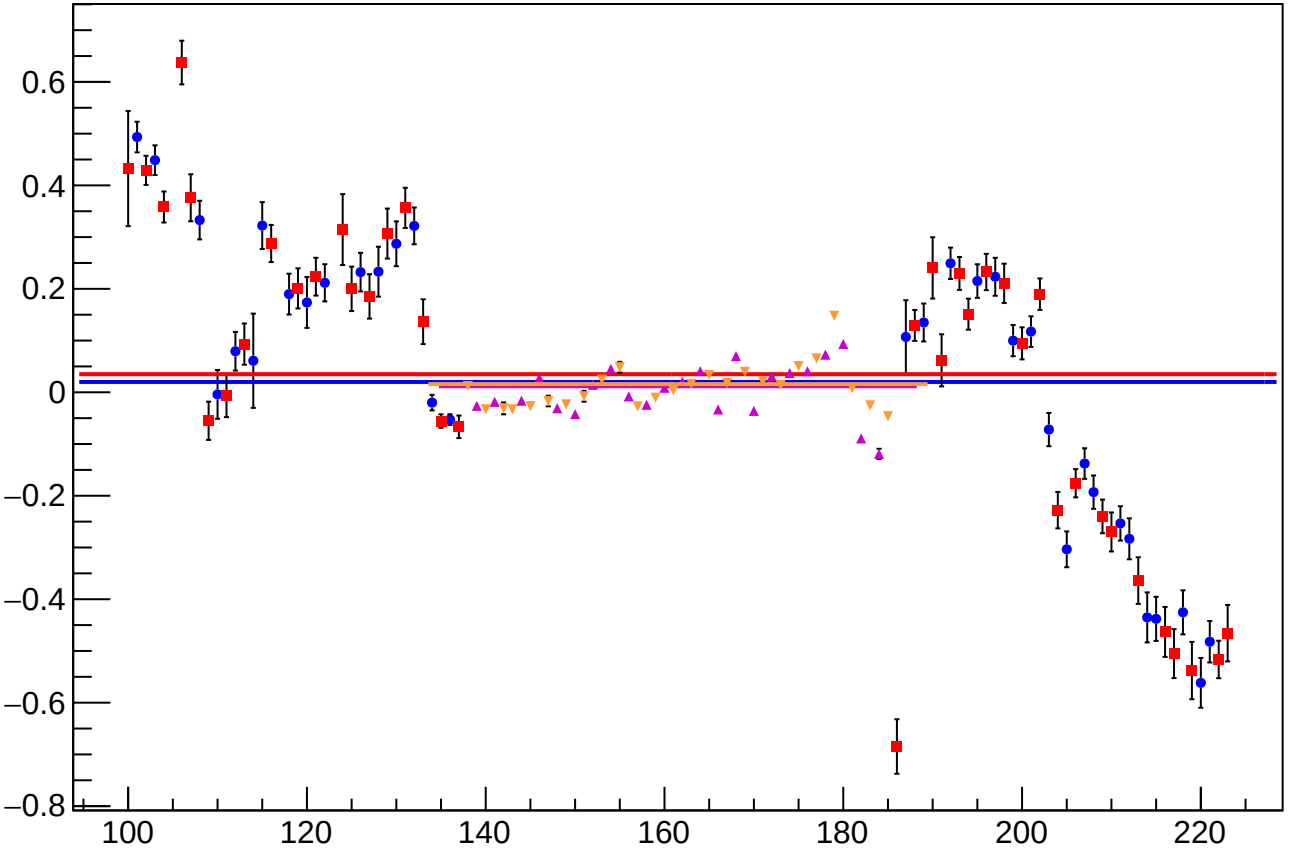
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.225+/-0.029 χ^2/NDF: 3798.1/58

All: -6.251+/-0.021 χ^2/NDF: 7298.6/120

- sign -6.278+/-0.030 χ^2/NDF: 3498.9/61

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.020+/-0.005 χ^2/NDF: 1937.7/33

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

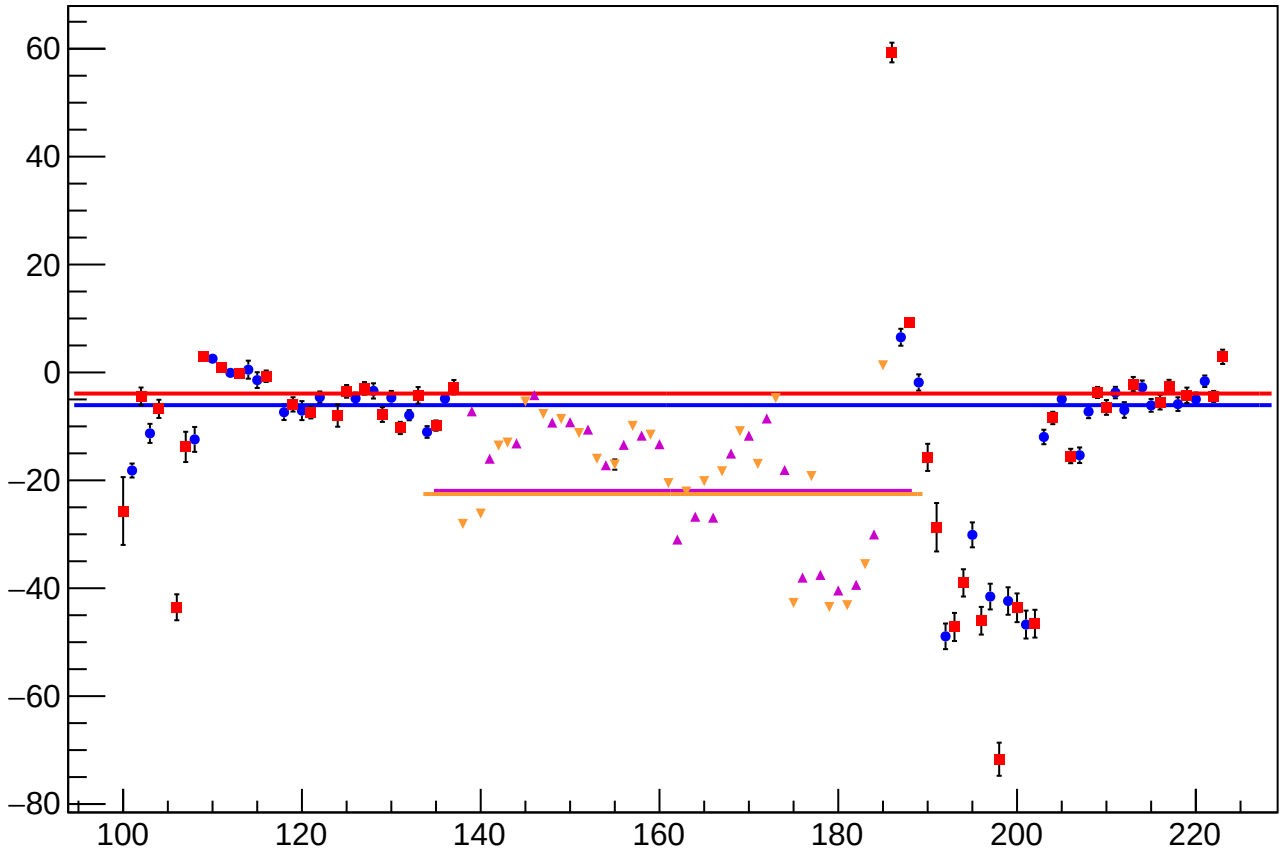
Right Out: 0.035+/-0.005 χ^2/NDF: 2242.1/38

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.016+/-0.001 χ^2/NDF: 2871.7/58

All: 0.015+/-0.001 χ^2/NDF: 6430.6/120

- sign 0.013+/-0.001 χ^2/NDF: 3556.5/61



Right In: -6.065+/-0.209 χ^2/NDF: 1637.0/33

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.914+/-0.203 χ^2/NDF: 3942.5/38

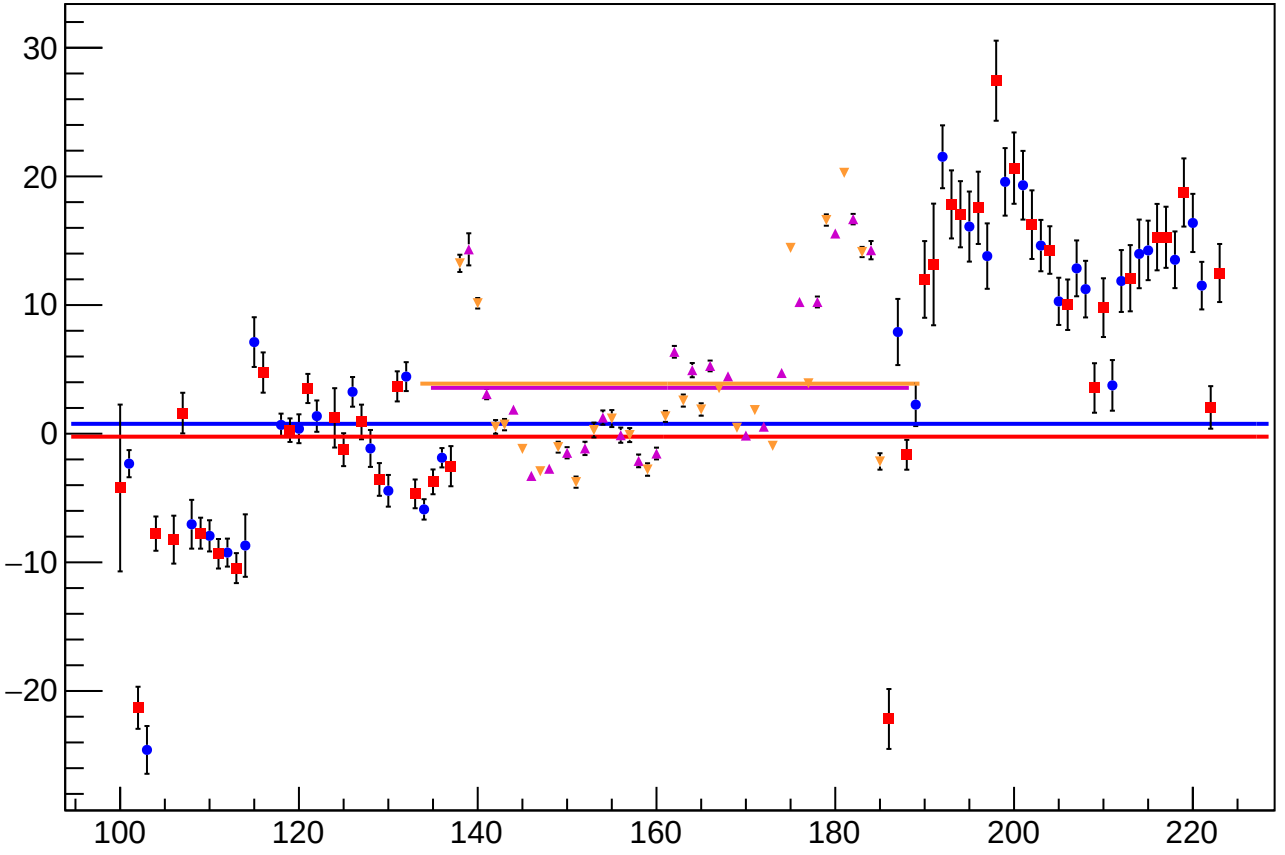
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.049+/-0.096 χ^2/NDF: 23095.3/58

All: -18.438+/-0.068 χ^2/NDF: 45763.7/120

- sign -17.807+/-0.098 χ^2/NDF: 22586.0/61

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.767+/-0.251 χ^2/NDF: 1056.0/33

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

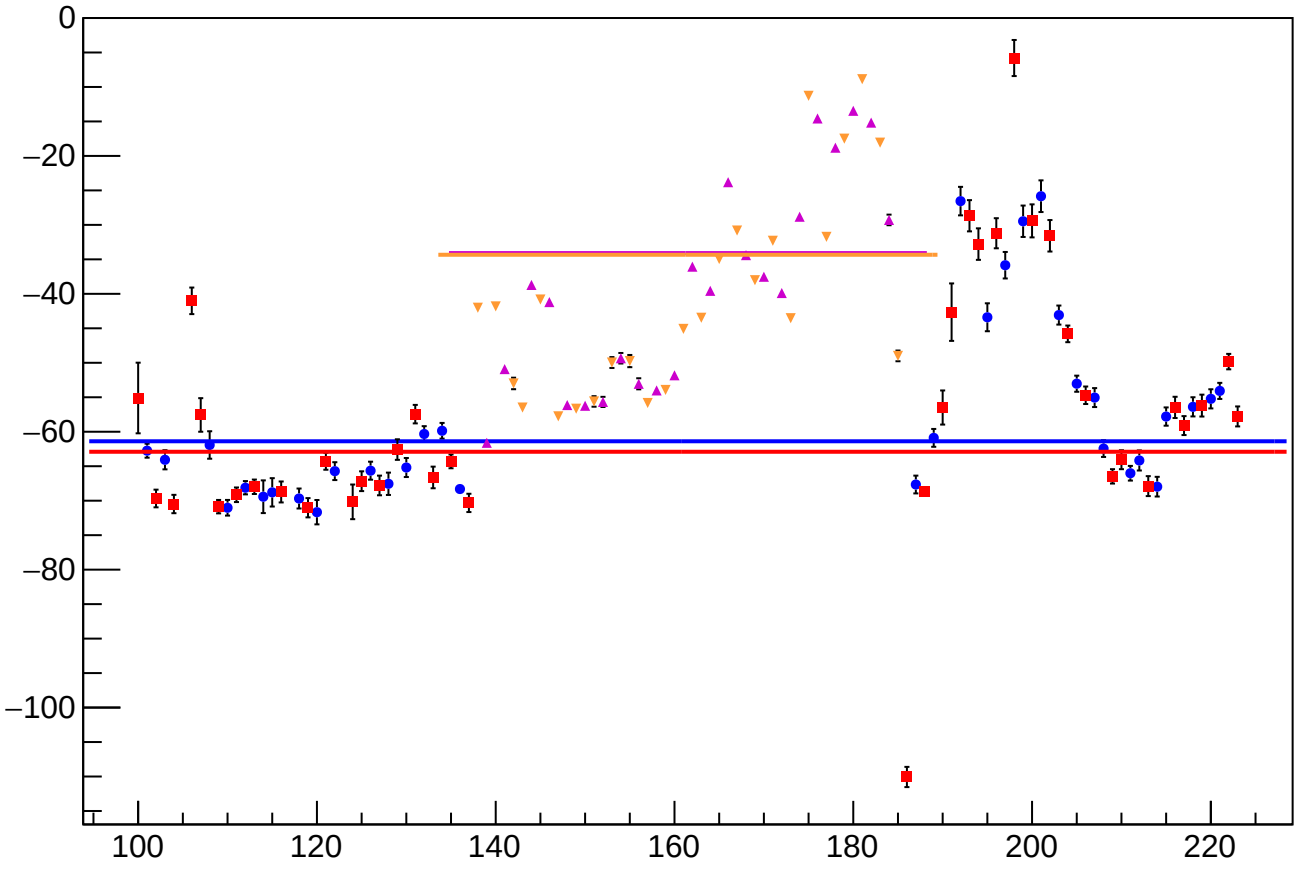
Right Out: -0.231+/-0.256 χ^2/NDF: 1188.8/38

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

\+ sign 3.574+/-0.080 χ^2/NDF: 7919.7/58

All: 3.381+/-0.057 χ^2/NDF: 14057.7/120

\- sign 3.178+/-0.082 χ^2/NDF: 6126.0/61



Right In: -61.383+/-0.225 χ^2/NDF: 1747.8/33

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -62.903+/-0.223 χ^2/NDF: 3529.1/38

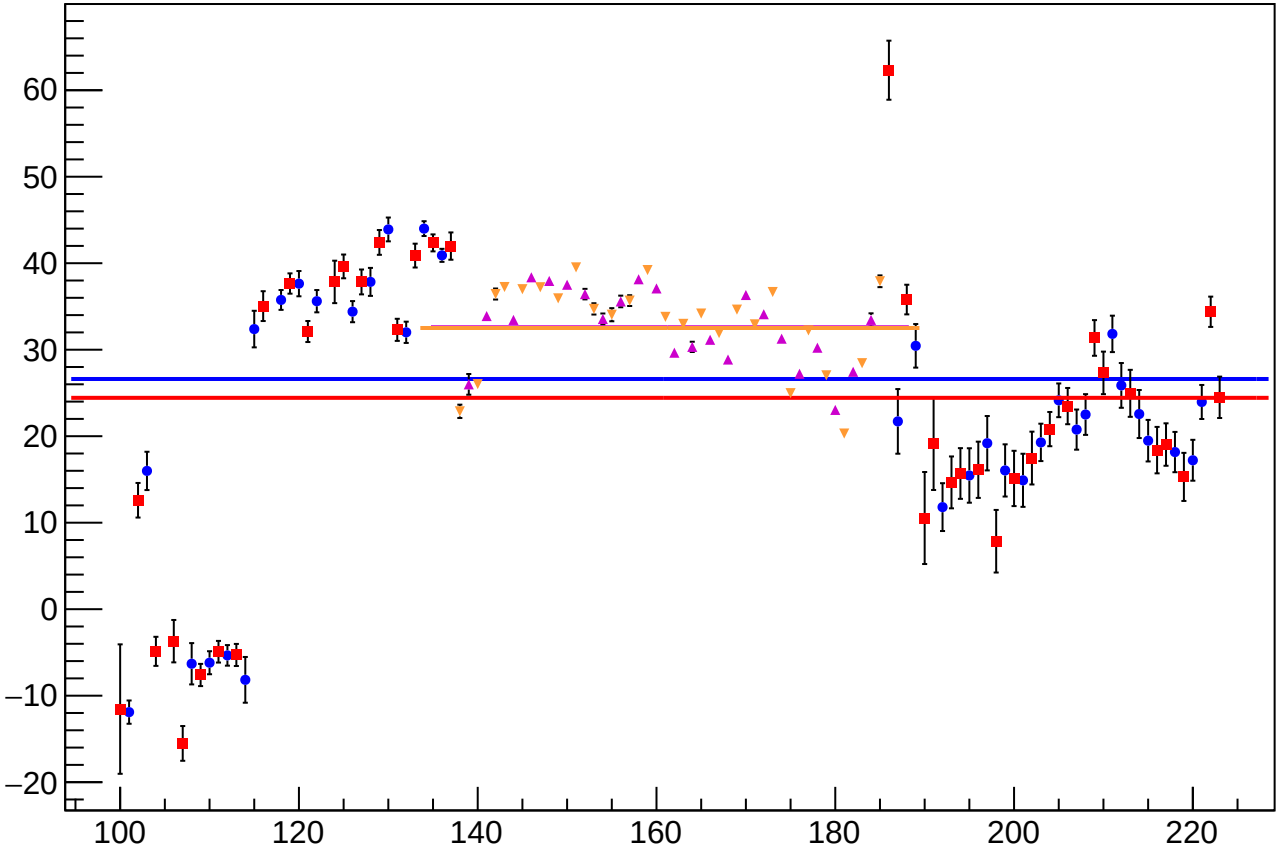
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -39.426+/-0.098 χ^2/NDF: 34697.6/58

All: -39.621+/-0.070 χ^2/NDF: 69377.7/120

- sign -39.823+/-0.099 χ^2/NDF: 34672.0/61

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 26.614+/-0.281 χ^2/NDF: 3897.8/33

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.437+/-0.289 χ^2/NDF: 4147.0/38

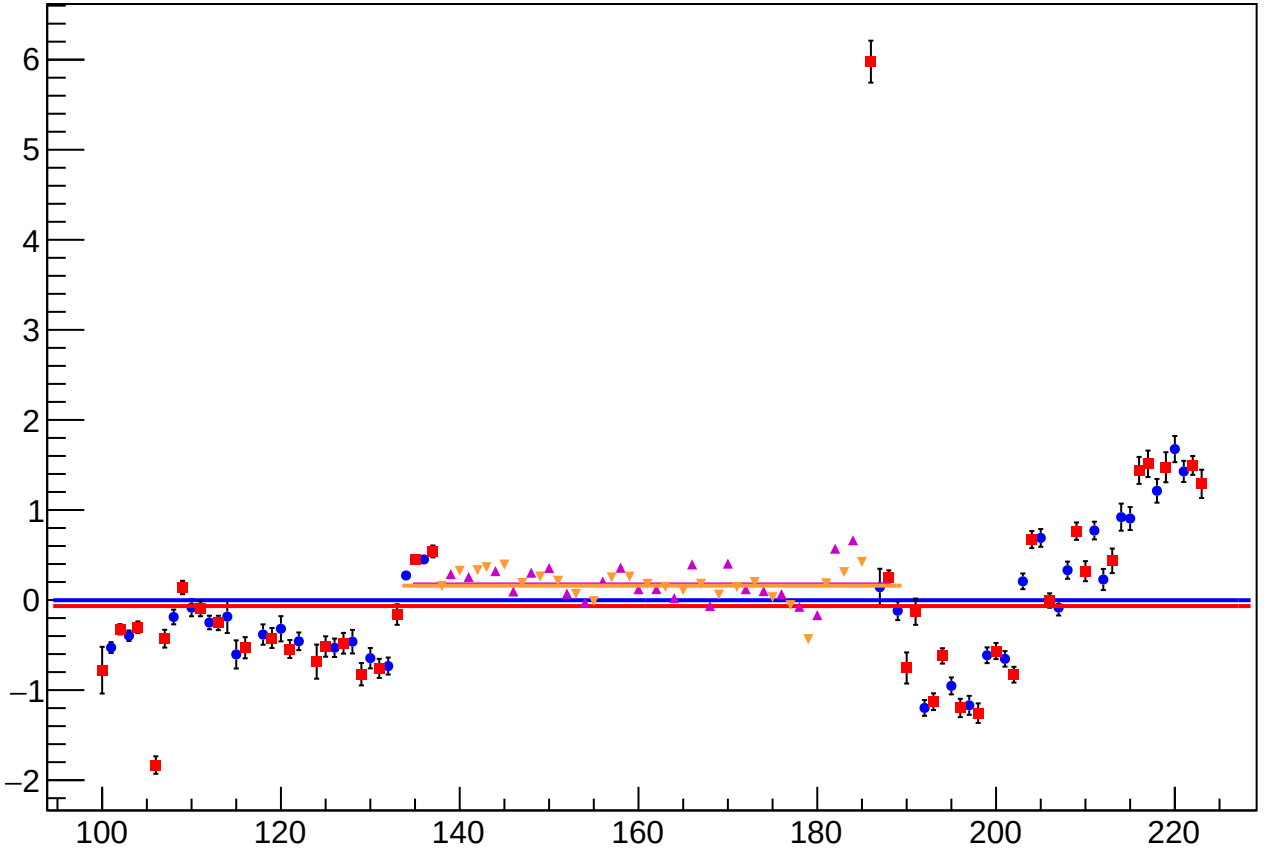
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

\+ sign 31.910+/-0.090 χ^2/NDF: 7232.0/58

All: 31.846+/-0.064 χ^2/NDF: 14108.0/120

\- sign 31.778+/-0.092 χ^2/NDF: 6875.0/61

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.002+/-0.014 χ^2/NDF: 1694.8/33

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.067+/-0.015 χ^2/NDF: 2817.3/38

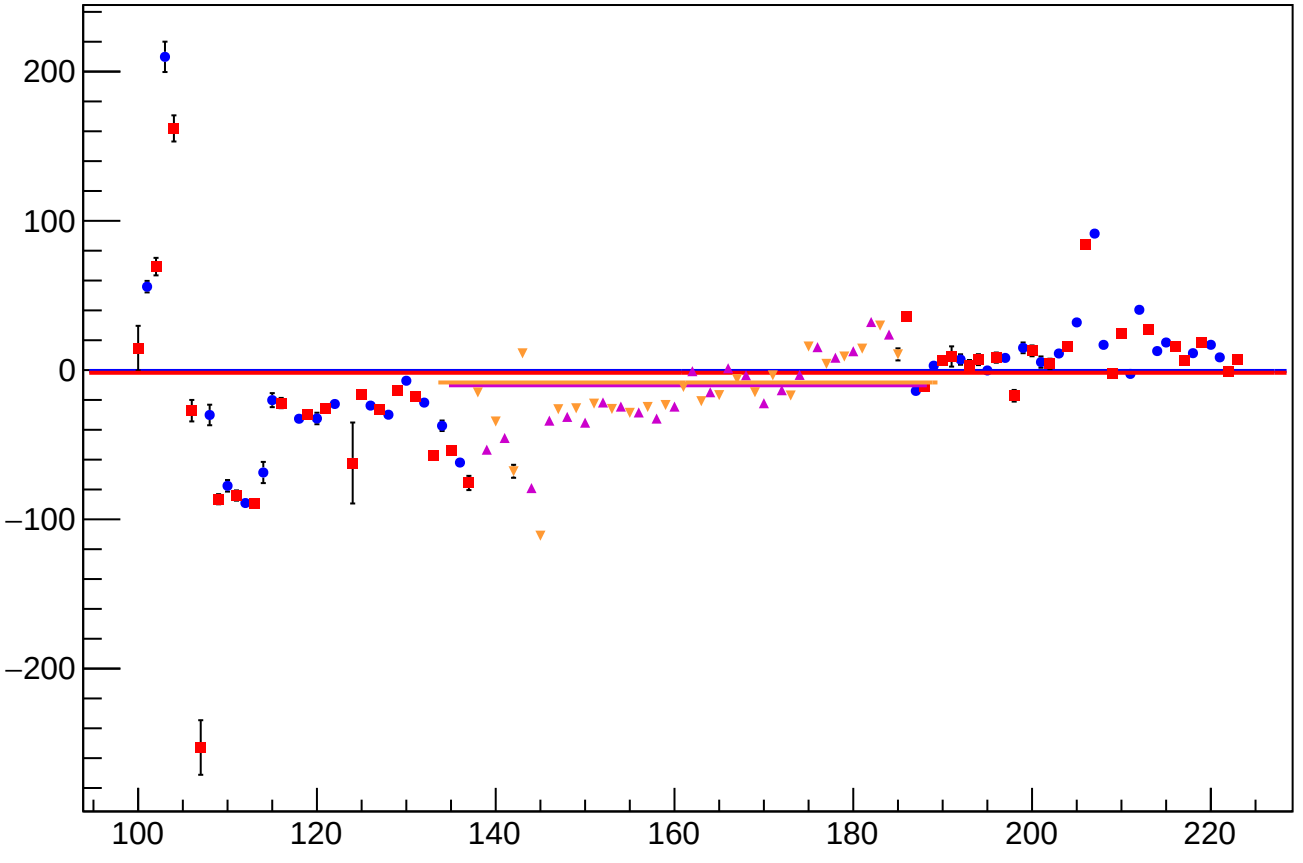
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.146+/-0.004 χ^2/NDF: 3427.1/58

All: 0.150+/-0.003 χ^2/NDF: 8616.4/120

- sign 0.154+/-0.004 χ^2/NDF: 5187.4/61

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -0.581+/-0.477 χ^2/NDF: 5159.6/33

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -1.797+/-0.453 χ^2/NDF: 6031.9/38

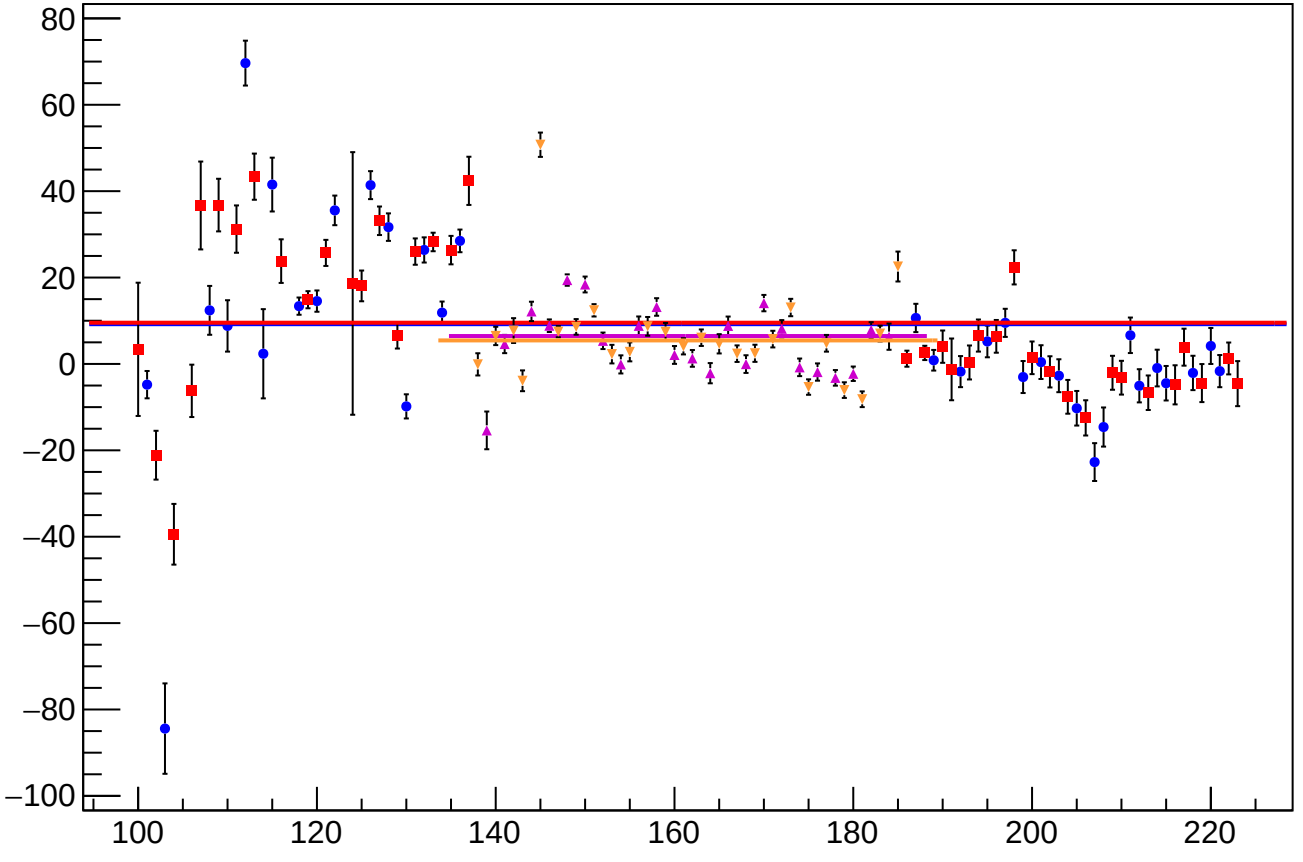
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -4.158+/-0.350 χ^2/NDF: 7840.3/58

All: -4.773+/-0.245 χ^2/NDF: 16542.6/120

- sign -5.365+/-0.343 χ^2/NDF: 8696.2/61

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.203+/-0.598 χ^2/NDF: 818.4/33

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 9.543+/-0.570 χ^2/NDF: 628.2/38

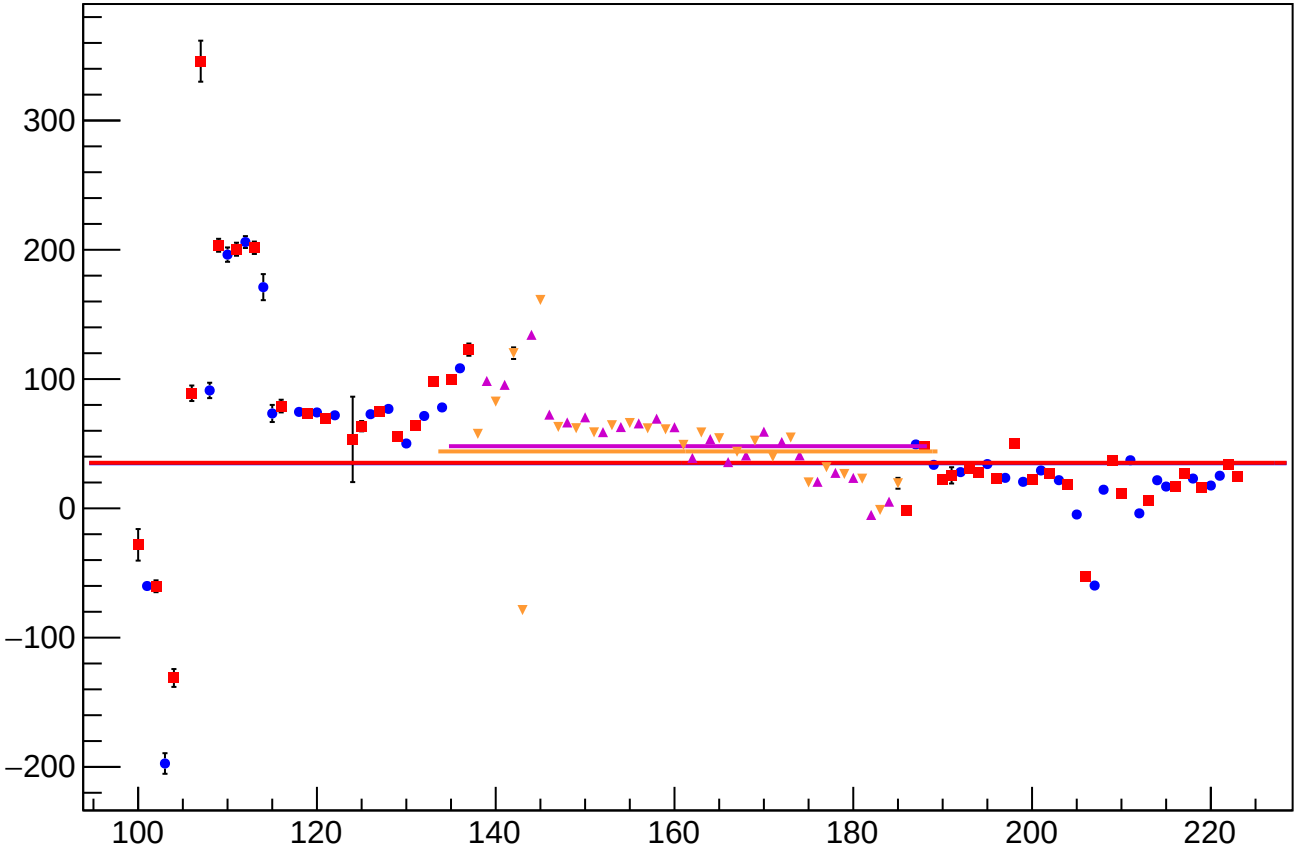
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 6.584+/-0.329 χ^2/NDF: 1339.7/58

All: 7.040+/-0.234 χ^2/NDF: 2327.1/120

- sign 7.505+/-0.332 χ^2/NDF: 983.5/61

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 34.890+/-0.484 χ^2/NDF: 8442.9/33

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 35.239+/-0.442 χ^2/NDF: 9456.9/38

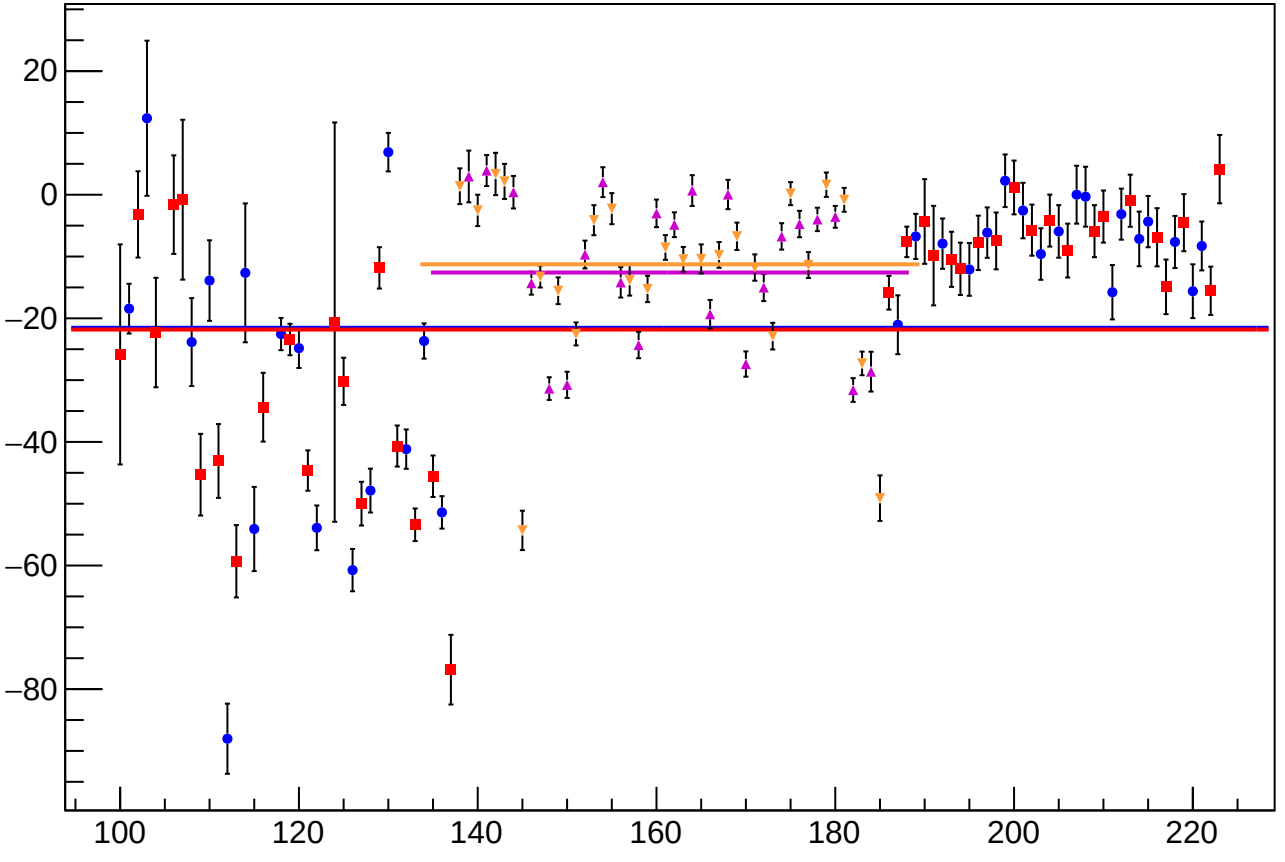
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 39.225+/-0.351 χ^2/NDF: 13176.2/58

All: 39.942+/-0.243 χ^2/NDF: 26370.7/120

- sign 40.603+/-0.337 χ^2/NDF: 13186.5/61

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -21.532+/-0.687 χ^2/NDF: 919.4/33

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -21.818+/-0.677 χ^2/NDF: 791.3/38

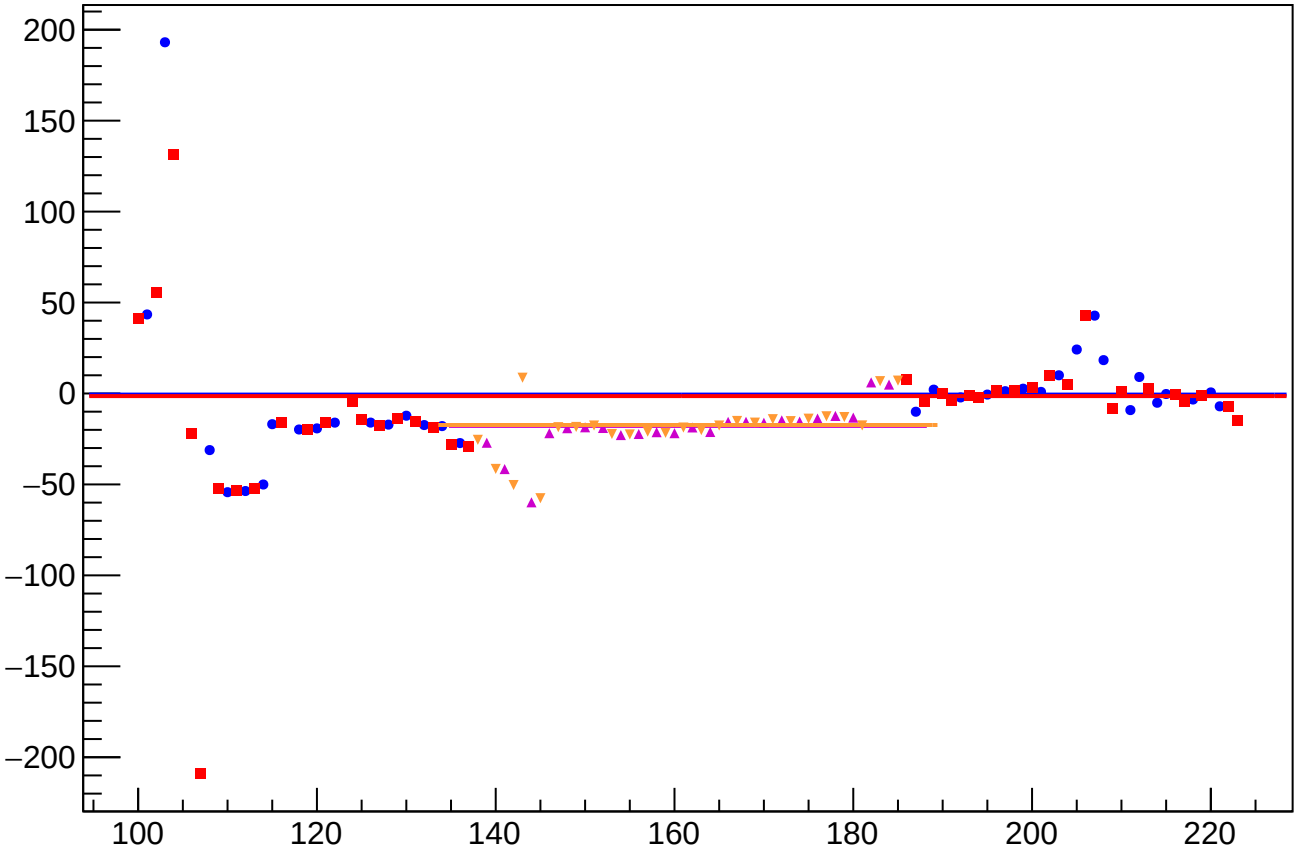
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

\+ sign -14.295+/-0.373 χ^2/NDF: 1720.2/58

All: -14.885+/-0.266 χ^2/NDF: 3315.9/120

\- sign -15.496+/-0.380 χ^2/NDF: 1590.6/61

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.612+/-0.033 χ^2/NDF: 648980.2/33

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.439+/-0.032 χ^2/NDF: 573879.1/38

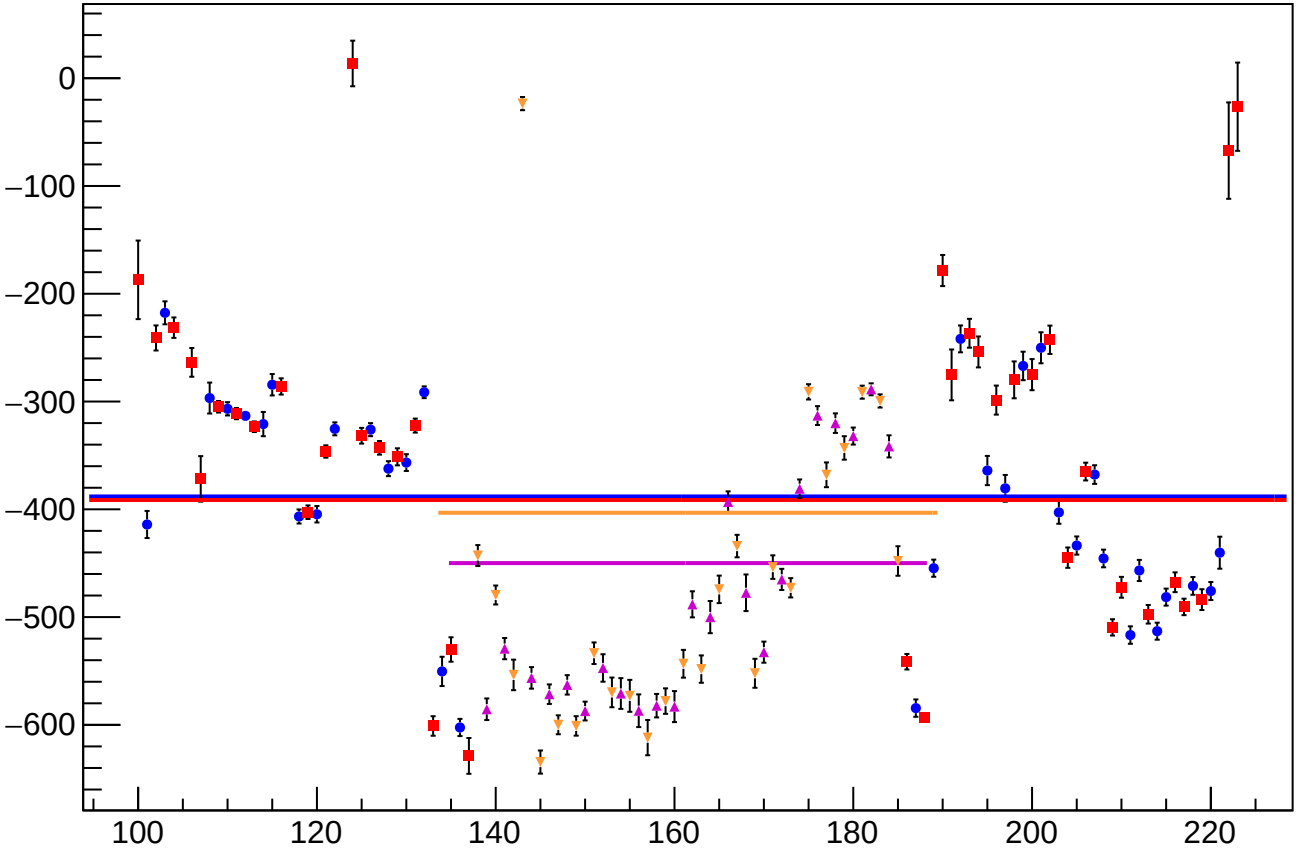
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -12.824+/-0.017 χ^2/NDF: 1185759.8/58

All: -13.014+/-0.012 χ^2/NDF: 2211294.5/120

- sign -13.208+/-0.017 χ^2/NDF: 1025283.0/61

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -388.081+/-1.410 χ^2/NDF: 4309.8/33

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -391.372+/-1.359 χ^2/NDF: 7401.4/38

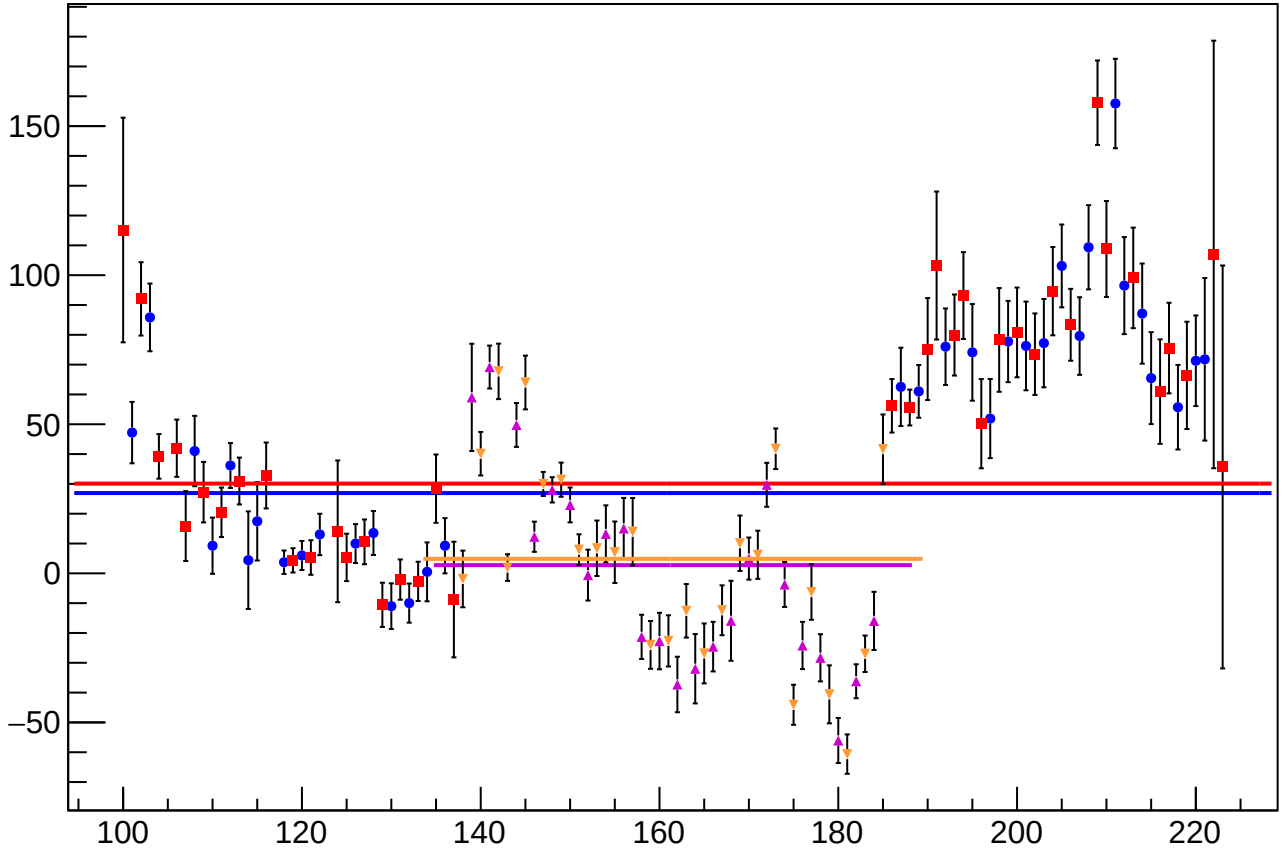
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -393.348+/-1.138 χ^2/NDF: 12100.1/58

All: -401.381+/-0.802 χ^2/NDF: 23388.8/120

- sign -409.325+/-1.131 χ^2/NDF: 11189.5/61

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 26.924+/-1.610 χ^2/NDF: 468.4/33

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 30.094+/-1.584 χ^2/NDF: 476.3/38

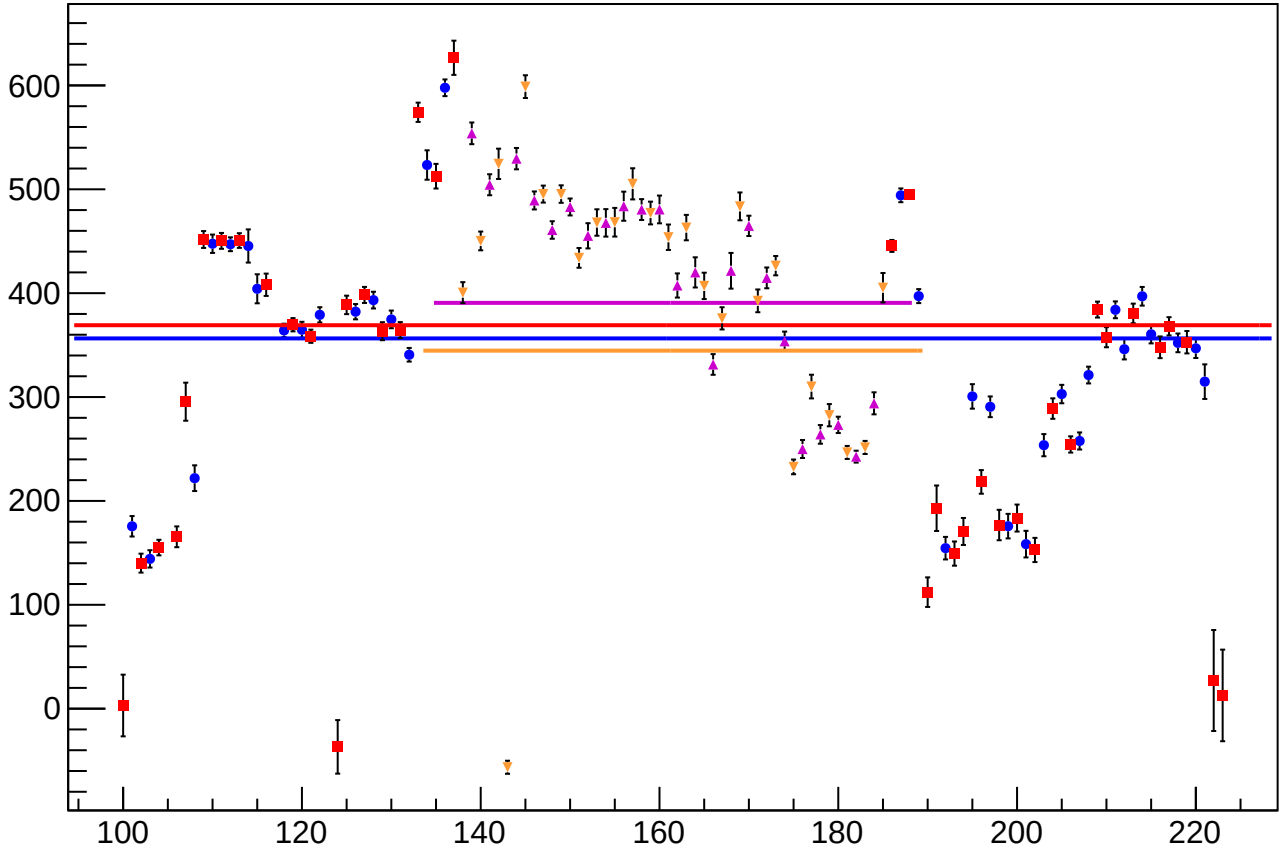
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 14.718+/-1.076 χ^2/NDF: 1029.5/58

All: 15.420+/-0.772 χ^2/NDF: 2058.1/120

\- sign 16.167+/-1.109 χ^2/NDF: 1027.7/61

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 356.443+/-1.508 χ^2/NDF: 4217.8/33

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 369.152+/-1.421 χ^2/NDF: 7336.6/38

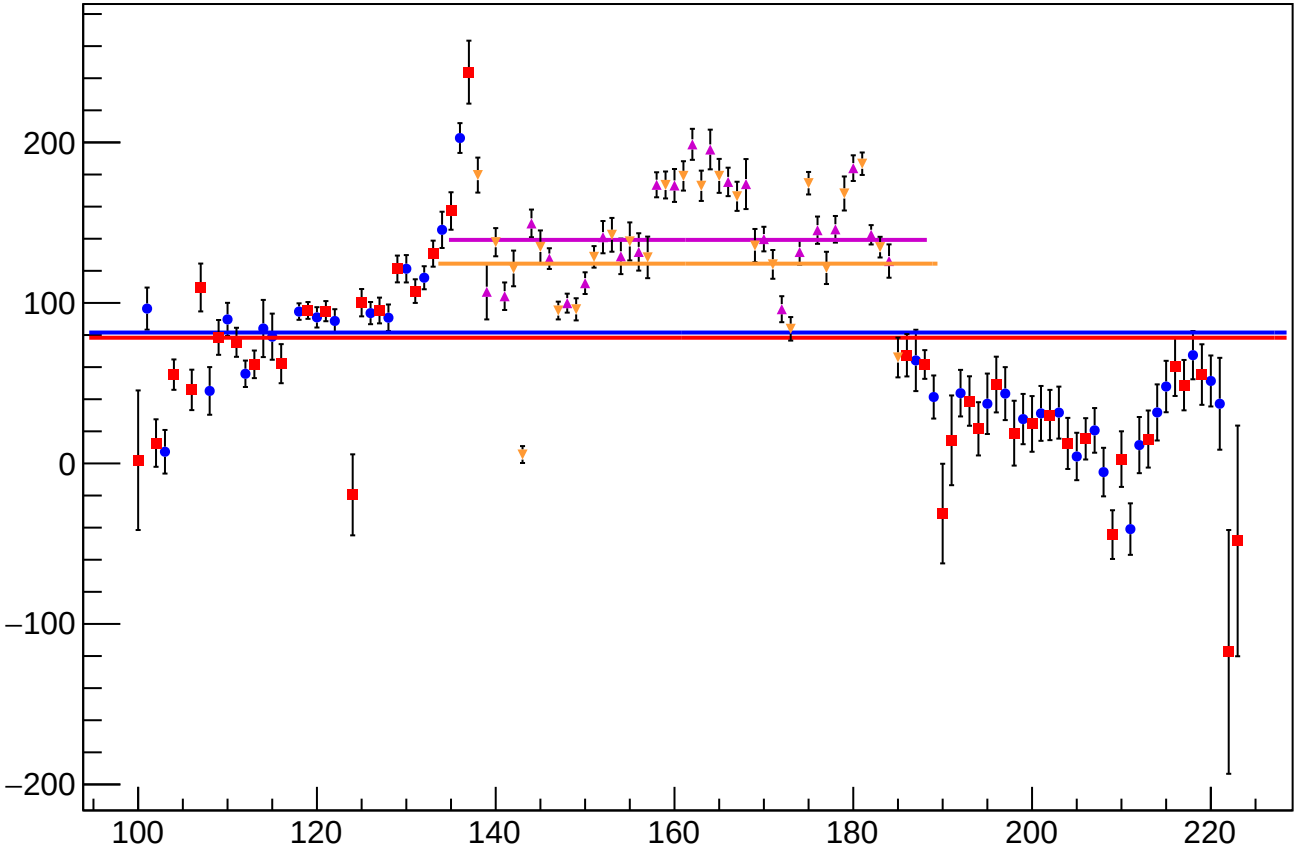
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 351.968+/-1.187 χ^2/NDF: 11519.1/58

All: 364.334+/-0.831 χ^2/NDF: 21817.0/120

- sign 376.232+/-1.164 χ^2/NDF: 10084.8/61

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 81.557+/-1.869 χ^2/NDF: 539.2/33

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 78.322+/-1.853 χ^2/NDF: 513.8/38

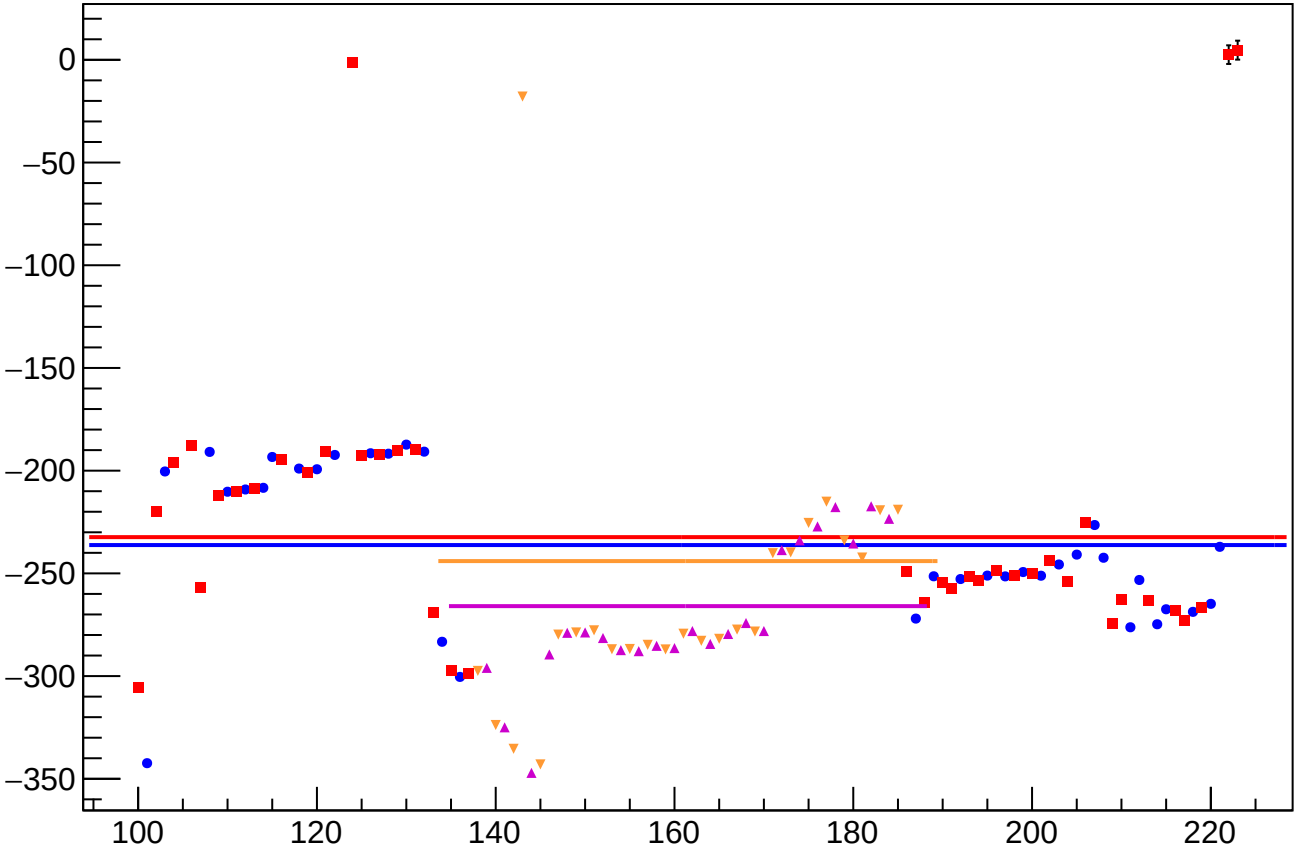
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 105.516+/-1.242 χ^2/NDF: 1771.2/58

All: 107.787+/-0.891 χ^2/NDF: 3118.9/120

- sign 110.199+/-1.280 χ^2/NDF: 1340.7/61

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -236.214+/-0.102 χ^2/NDF: 145520.3/33

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -232.356+/-0.099 χ^2/NDF: 127433.6/38

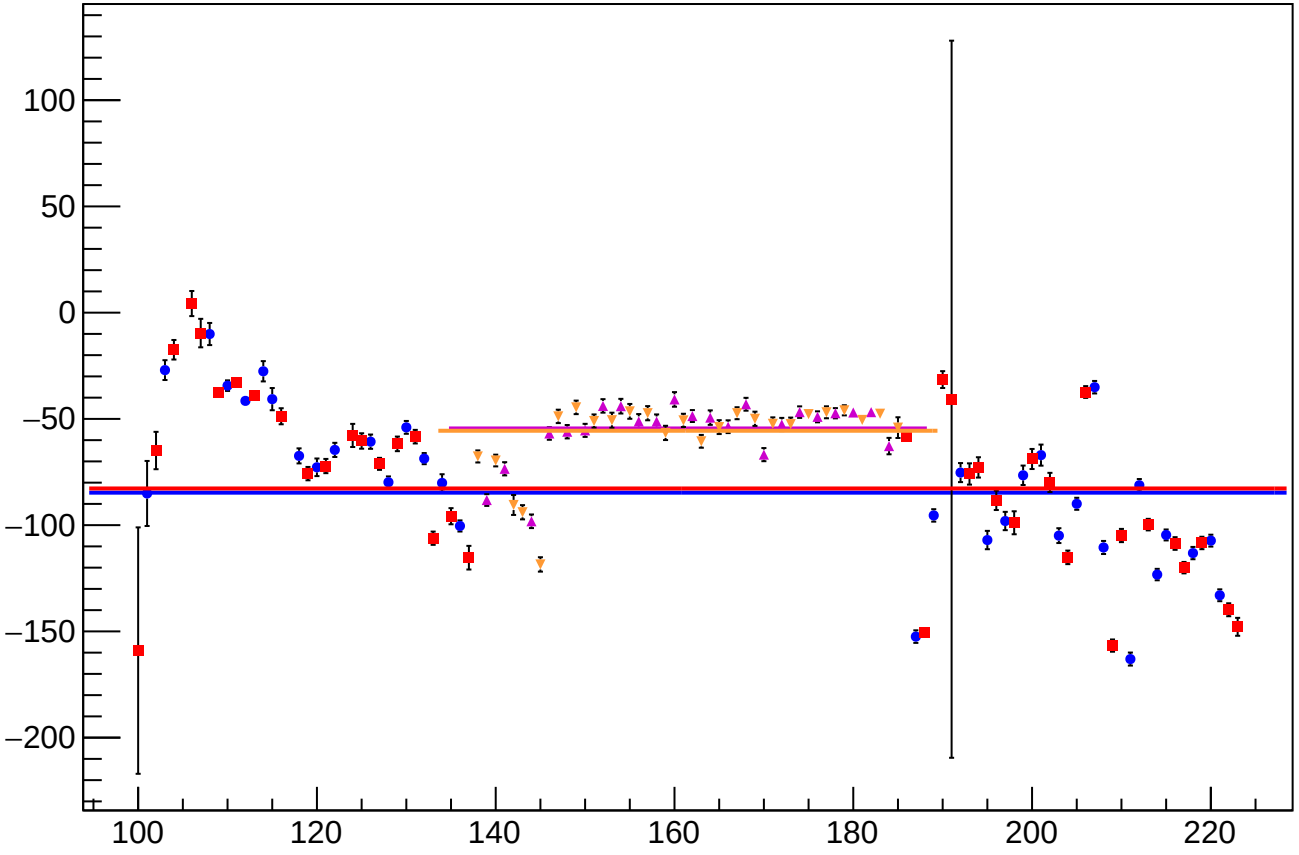
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -241.168+/-0.062 χ^2/NDF: 1147204.5/58

All: -246.791+/-0.044 χ^2/NDF: 1530797.0/12

- sign -252.572+/-0.062 χ^2/NDF: 366691.8/61

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -84.709+/-0.555 χ^2/NDF: 4052.5/33

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -82.740+/-0.520 χ^2/NDF: 6204.3/38

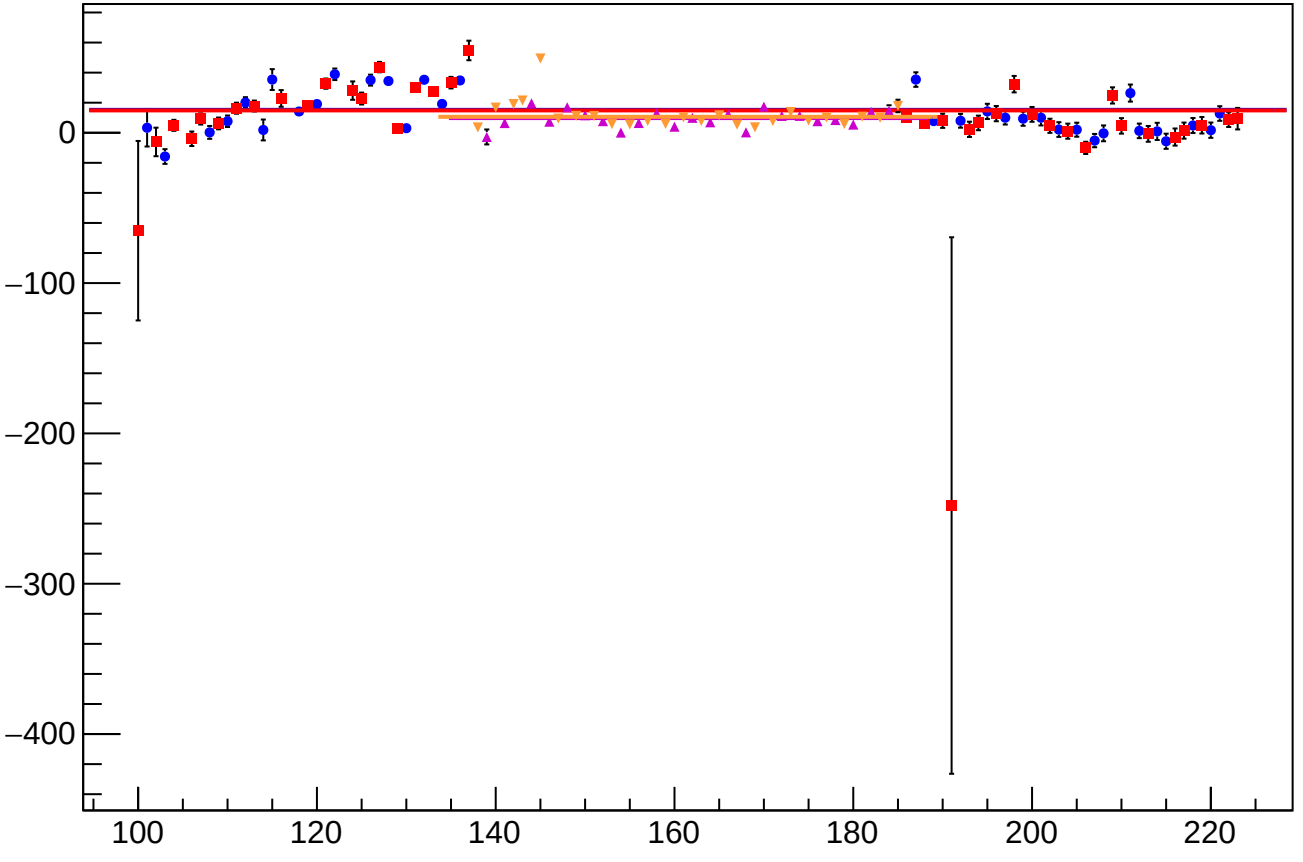
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -71.032+/-0.404 χ^2/NDF: 6032.4/58

All: -70.894+/-0.282 χ^2/NDF: 13987.1/120

\- sign -70.763+/-0.395 χ^2/NDF: 7954.4/61

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.236+/-0.686 χ^2/NDF: 398.4/33

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 14.869+/-0.641 χ^2/NDF: 401.2/38

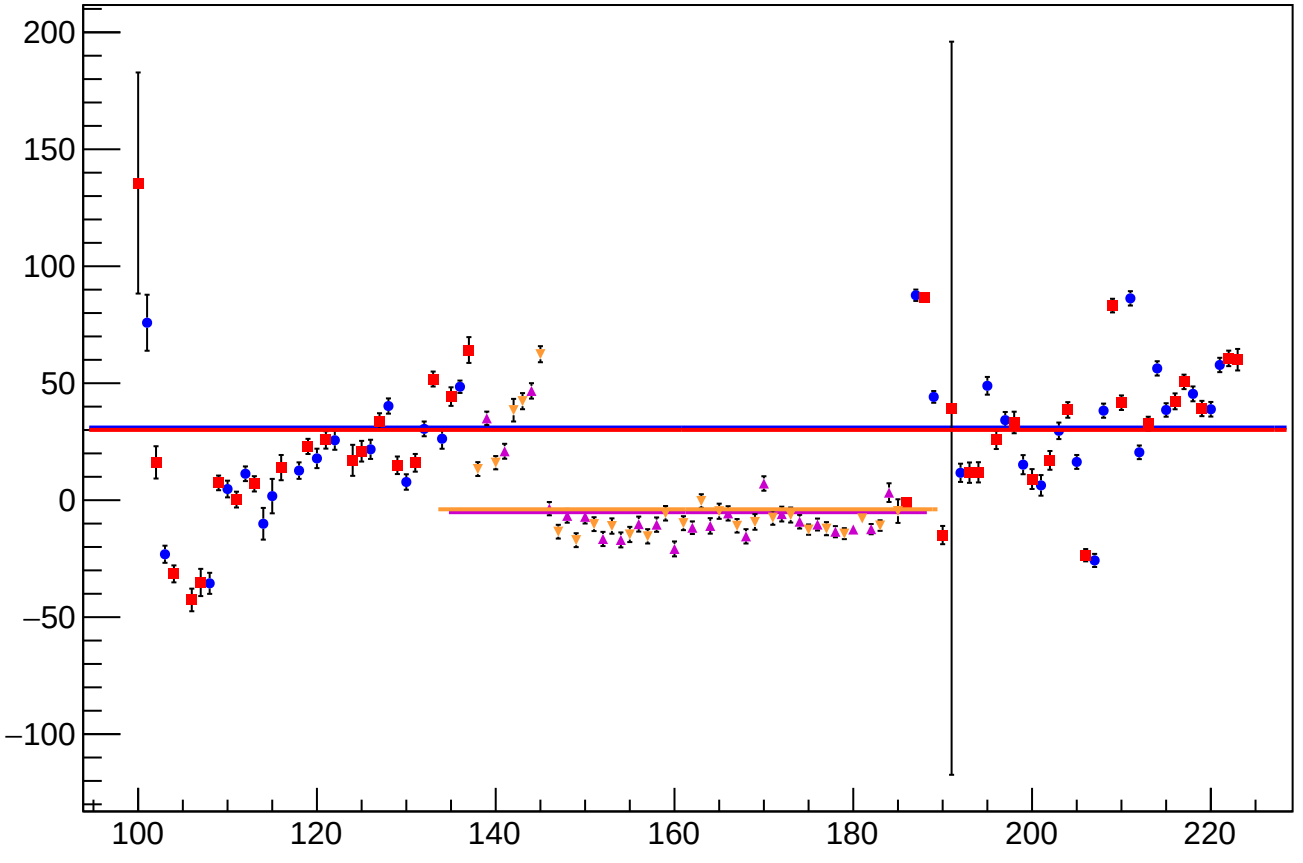
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 11.993+/-0.376 χ^2/NDF: 685.4/58

All: 11.765+/-0.266 χ^2/NDF: 1249.8/120

\- sign 11.536+/-0.377 χ^2/NDF: 563.6/61

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 31.053+/-0.583 χ^2/NDF: 2364.1/33

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 30.045+/-0.531 χ^2/NDF: 4295.5/38

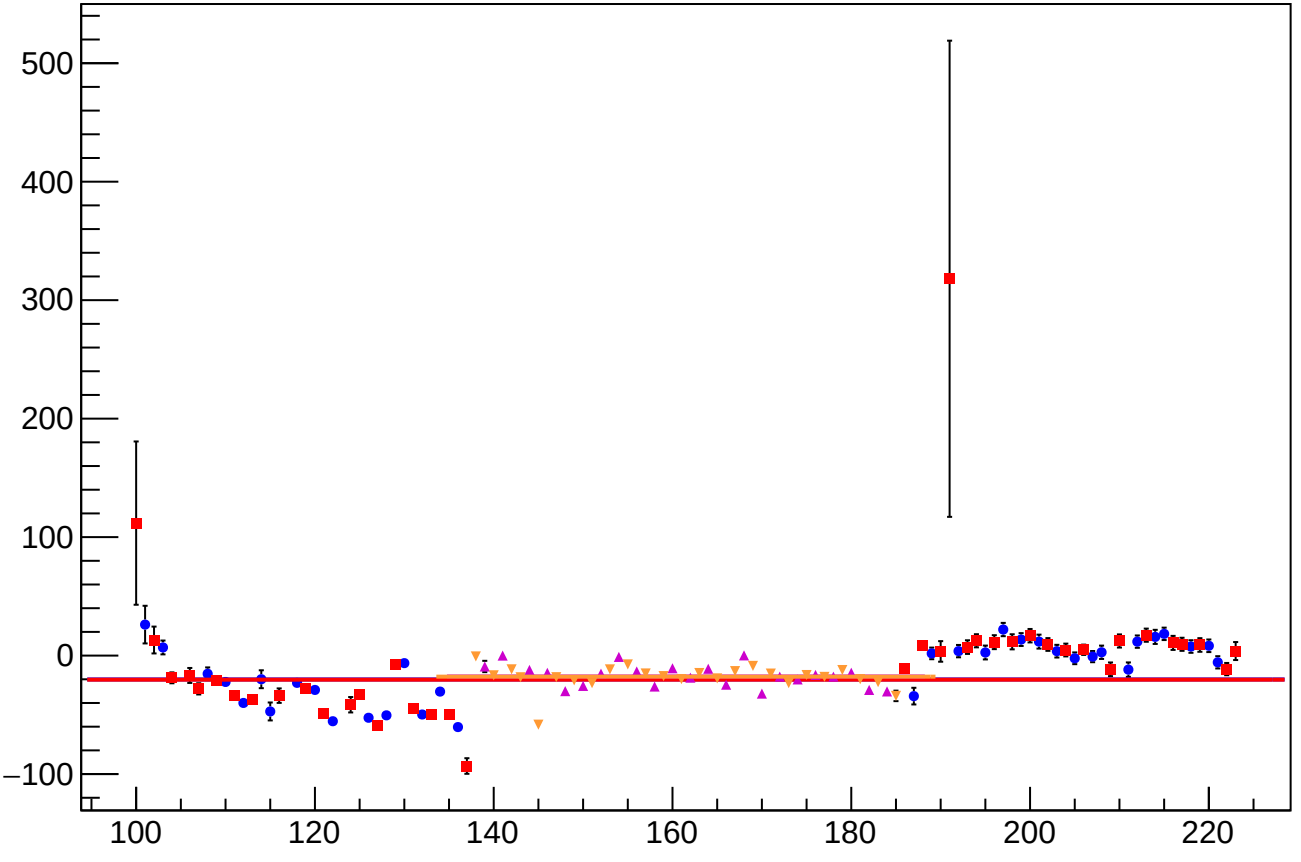
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 13.627+/-0.413 χ^2/NDF: 5003.3/58

All: 14.130+/-0.286 χ^2/NDF: 11880.2/120

- sign 14.594+/-0.397 χ^2/NDF: 6874.1/61

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -20.129+/-0.783 χ^2/NDF: 1013.0/33

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -20.322+/-0.753 χ^2/NDF: 1098.4/38

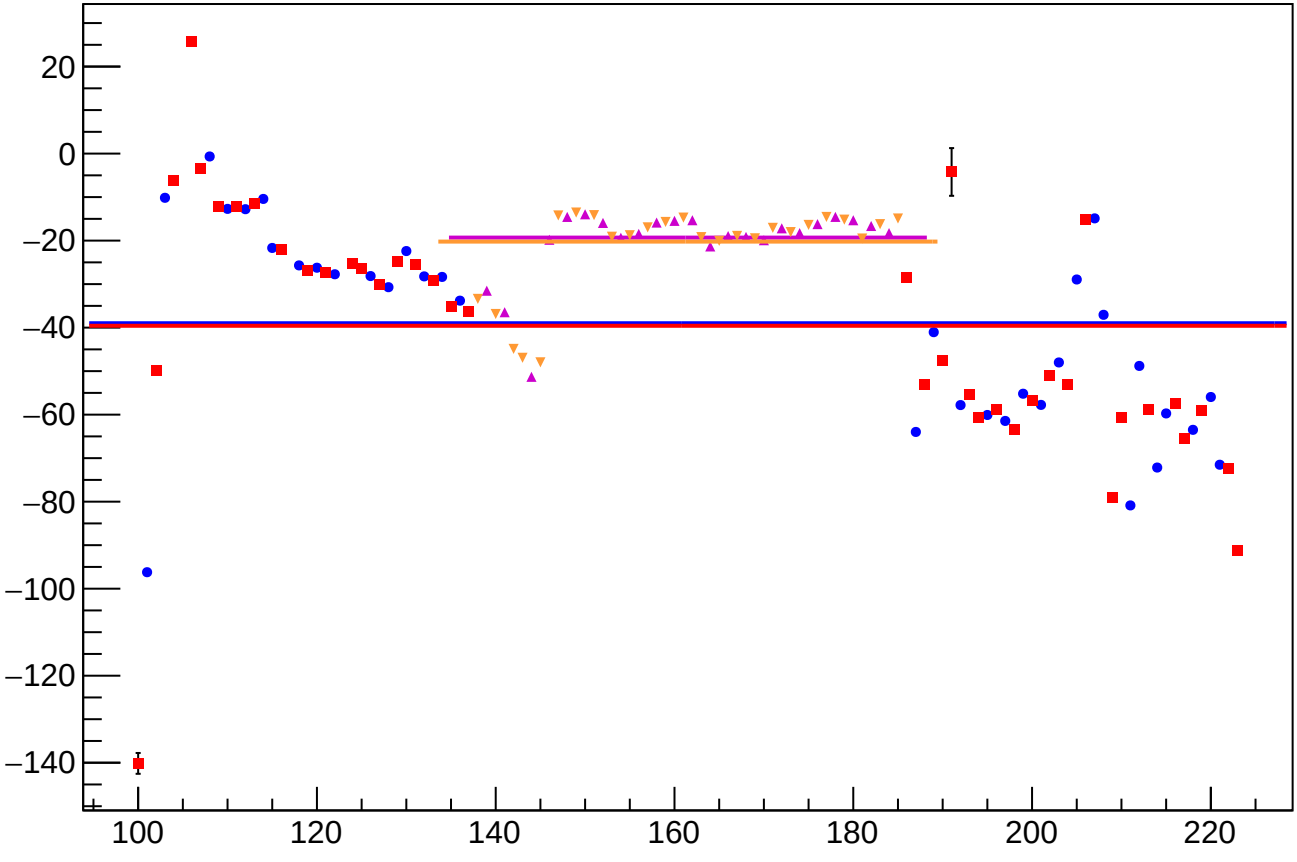
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -18.474+/-0.427 χ^2/NDF: 1270.9/58

All: -18.498+/-0.303 χ^2/NDF: 2663.7/120

- sign -18.521+/-0.431 χ^2/NDF: 1392.8/61

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -38.992+/-0.038 χ^2/NDF: 279895.2/33

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -39.575+/-0.038 χ^2/NDF: 367251.9/38

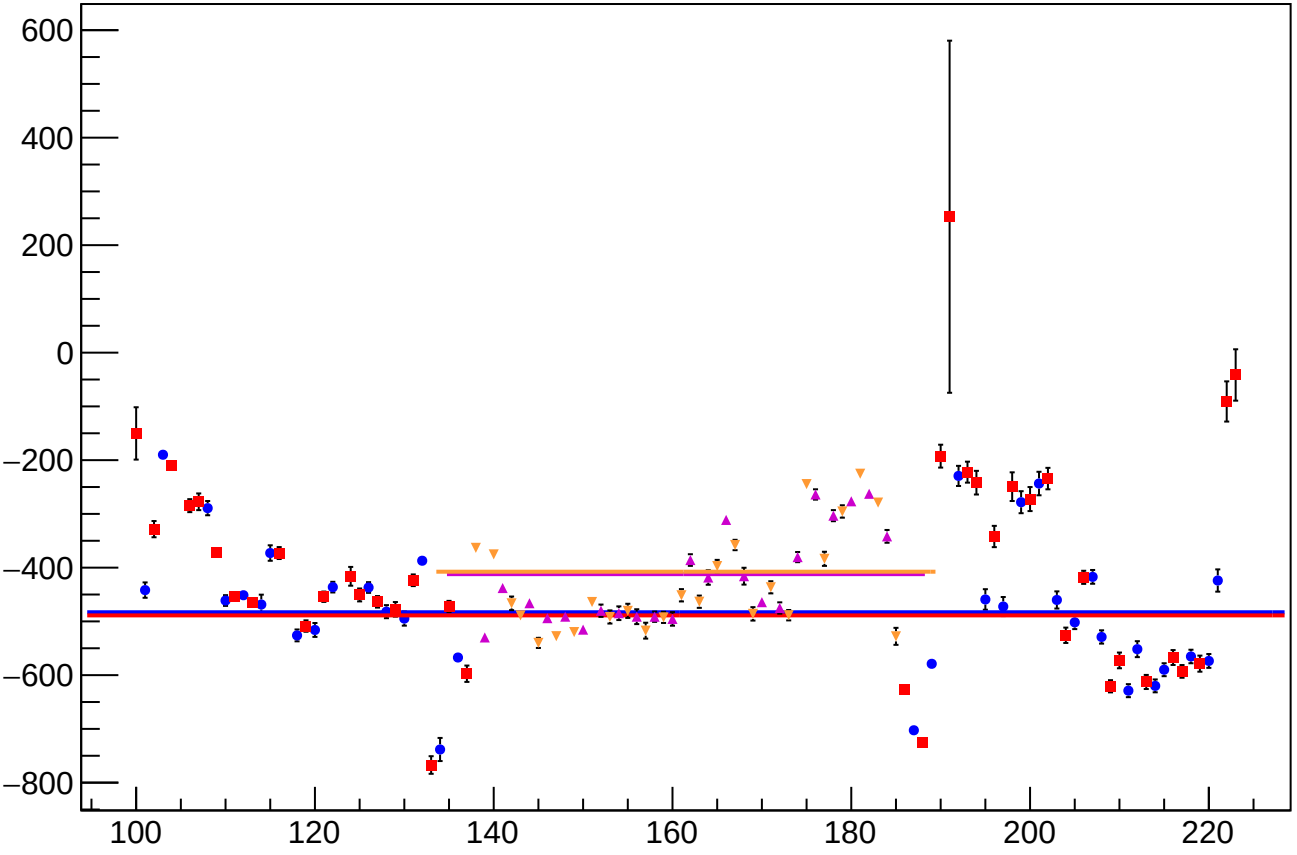
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -25.144+/-0.020 χ^2/NDF: 603866.7/58

All: -24.996+/-0.014 χ^2/NDF: 1271590.8/120

- sign -24.846+/-0.020 χ^2/NDF: 667610.1/61

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -483.014+/-2.050 χ^2/NDF: 3410.5/33

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -488.828+/-1.893 χ^2/NDF: 6757.7/38

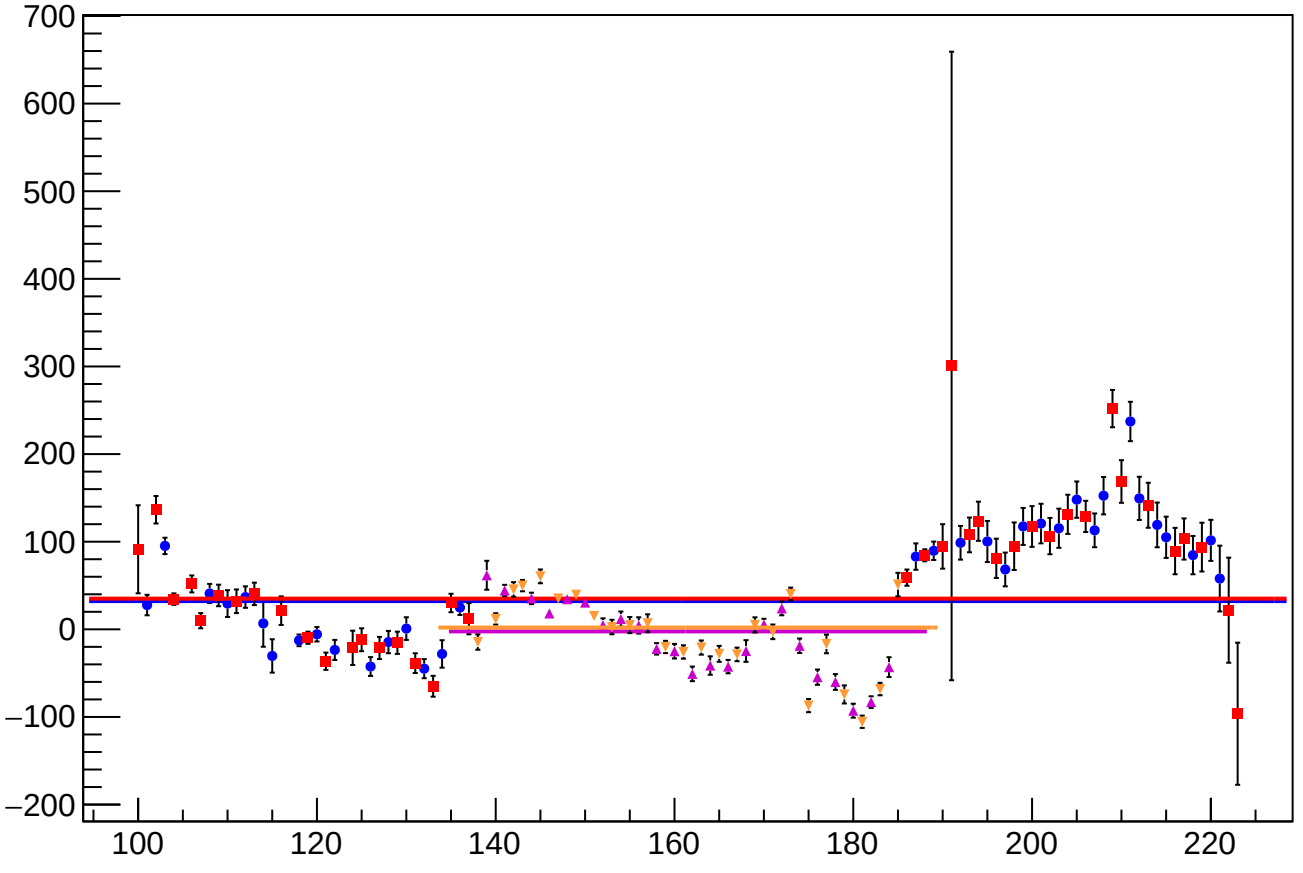
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -443.422+/-1.413 χ^2/NDF: 6994.2/58

All: -448.199+/-0.986 χ^2/NDF: 16729.4/120

- sign -452.736+/-1.377 χ^2/NDF: 9713.0/61

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 32.224+/-2.356 χ^2/NDF: 615.1/33

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 35.022+/-2.155 χ^2/NDF: 666.8/38

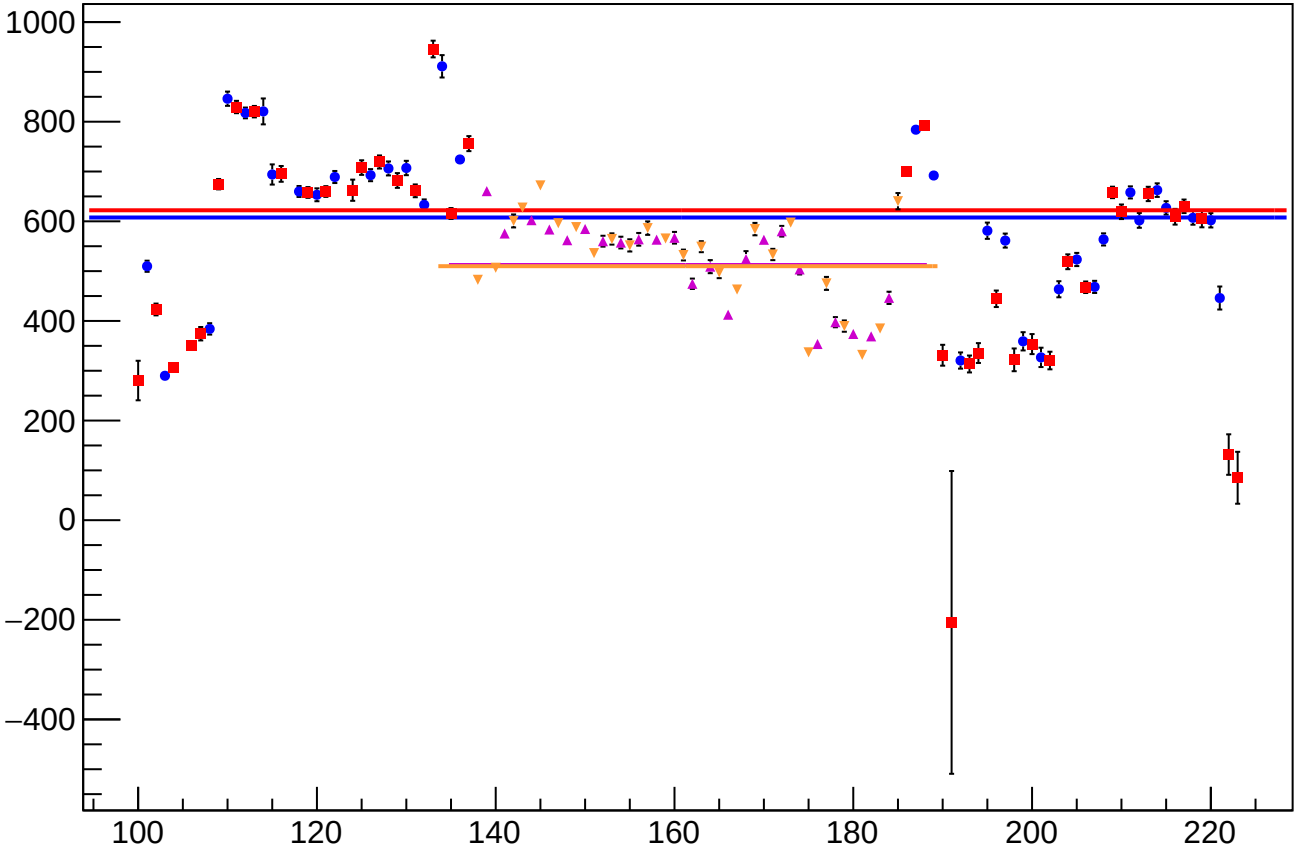
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 10.127+/-1.220 χ^2/NDF: 1645.9/58

All: 9.888+/-0.863 χ^2/NDF: 3250.5/120

- sign 9.648+/-1.221 χ^2/NDF: 1604.6/61

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 607.676+/-2.091 χ^2/NDF: 5612.1/33

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 622.177+/-1.870 χ^2/NDF: 9075.4/38

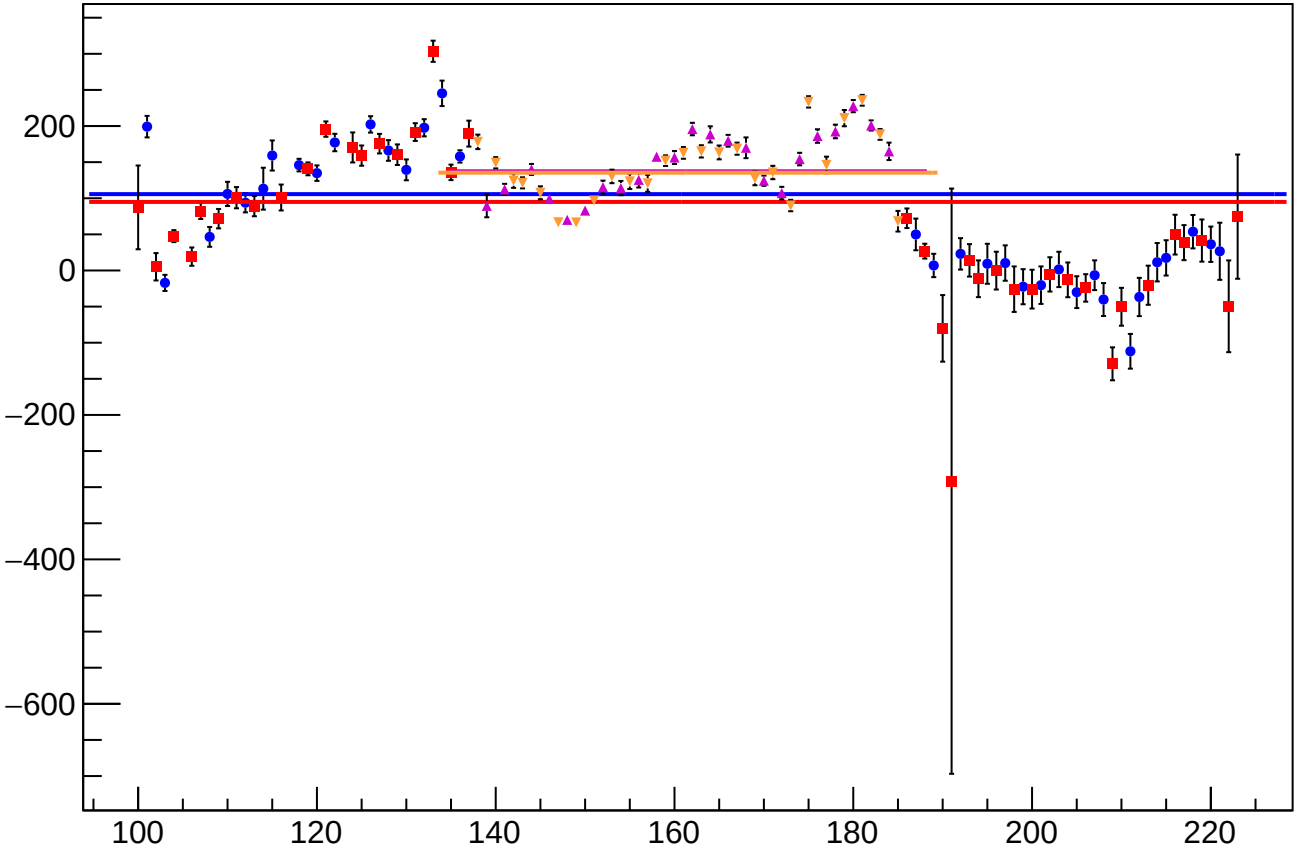
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 555.018+/-1.421 χ^2/NDF: 9451.6/58

All: 563.073+/-0.983 χ^2/NDF: 22301.4/120

- sign 570.464+/-1.361 χ^2/NDF: 12788.1/61

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 105.717+/-2.739 χ^2/NDF: 922.9/33

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 94.938+/-2.573 χ^2/NDF: 988.2/38

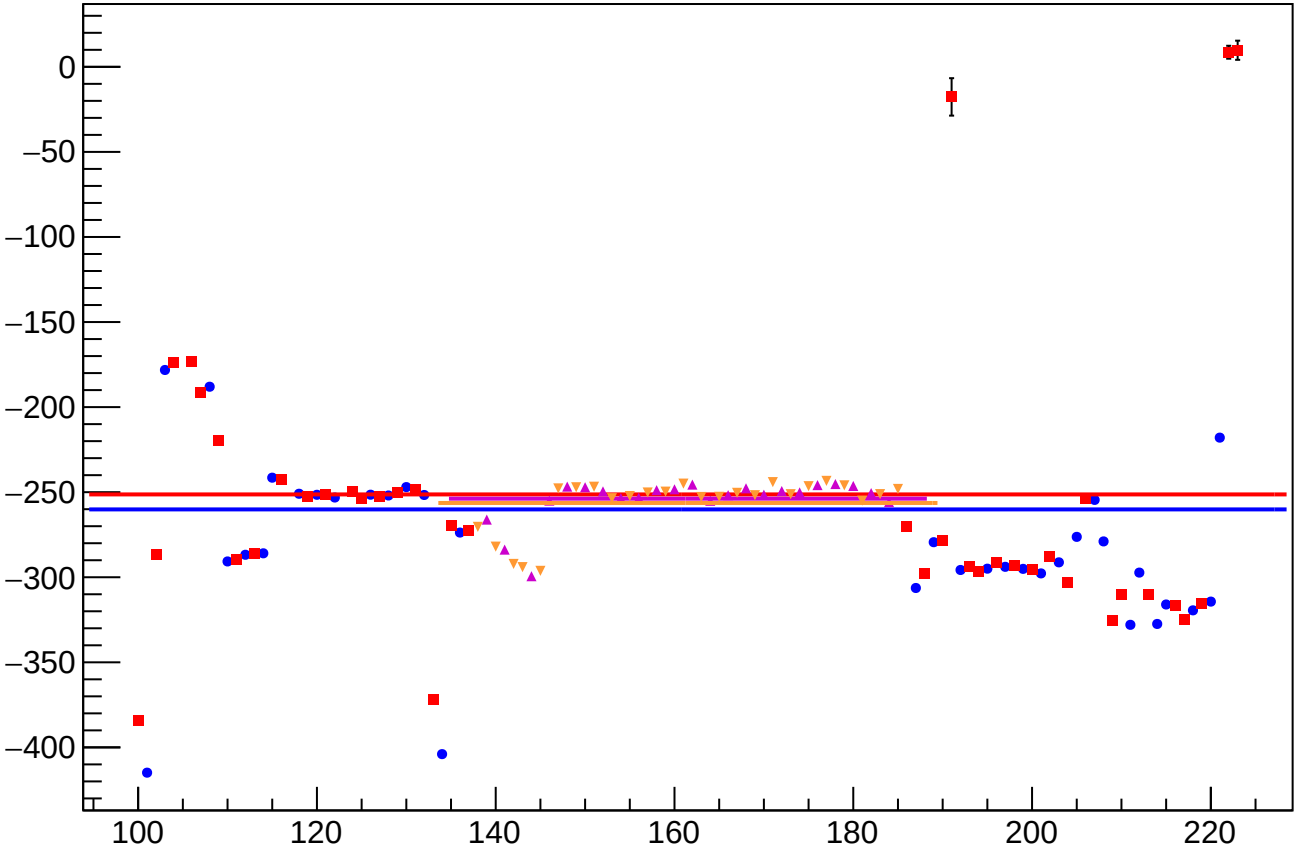
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 127.510+/-1.413 χ^2/NDF: 1932.3/58

All: 125.991+/-1.001 χ^2/NDF: 3818.0/120

- sign 124.457+/-1.420 χ^2/NDF: 1883.4/61

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -260.125+/-0.132 χ^2/NDF: 211497.3/33

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -251.314+/-0.127 χ^2/NDF: 170841.3/38

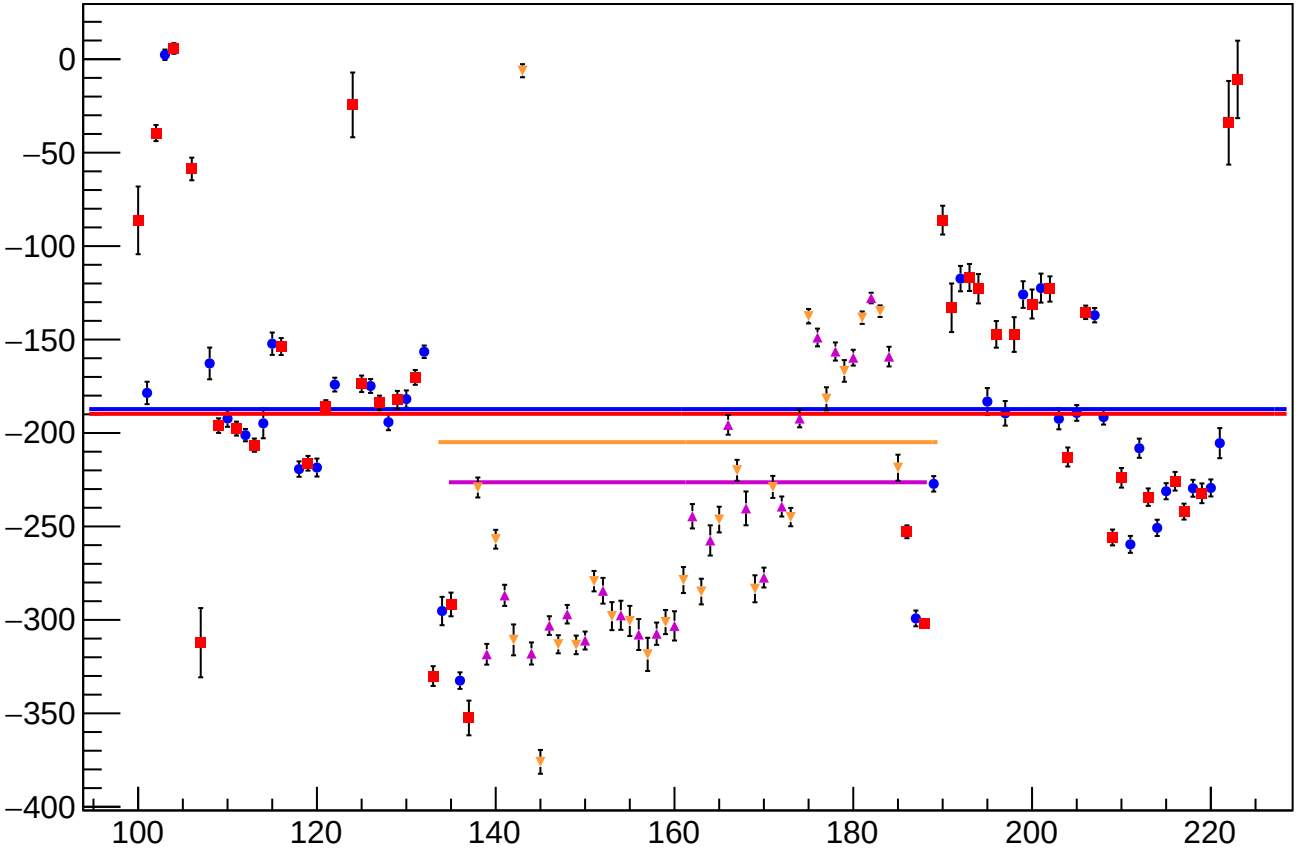
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -257.308+/-0.066 χ^2/NDF: 251625.7/58

All: -255.221+/-0.047 χ^2/NDF: 448796.5/120

- sign -253.137+/-0.066 χ^2/NDF: 195199.2/61

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -187.208+/-0.790 χ^2/NDF: 8202.5/33

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -189.744+/-0.763 χ^2/NDF: 12431.4/38

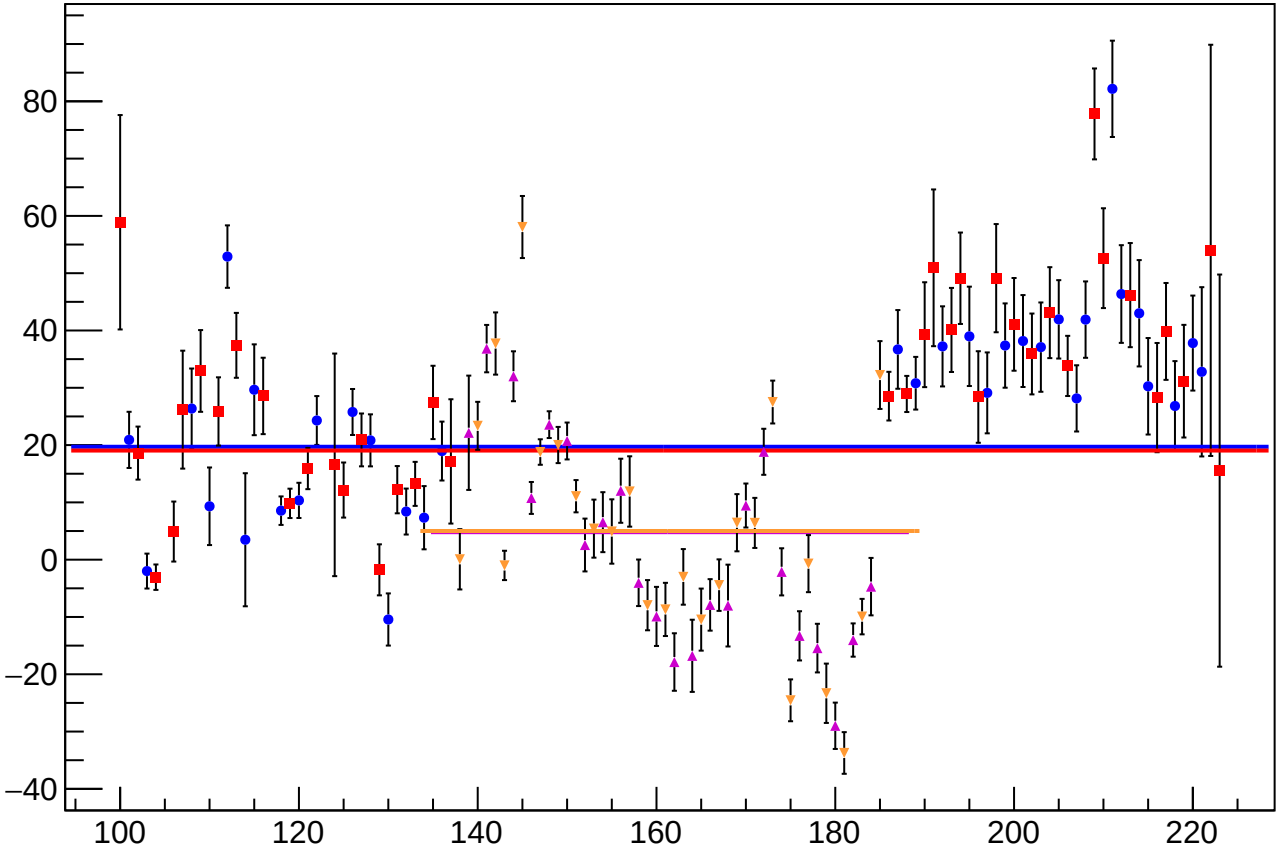
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -193.589+/-0.632 χ^2/NDF: 16209.4/58

All: -197.604+/-0.445 χ^2/NDF: 33683.8/120

- sign -201.569+/-0.628 χ^2/NDF: 17394.2/61

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 19.707+/-0.913 χ^2/NDF: 328.4/33

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 19.046+/-0.866 χ^2/NDF: 351.3/38

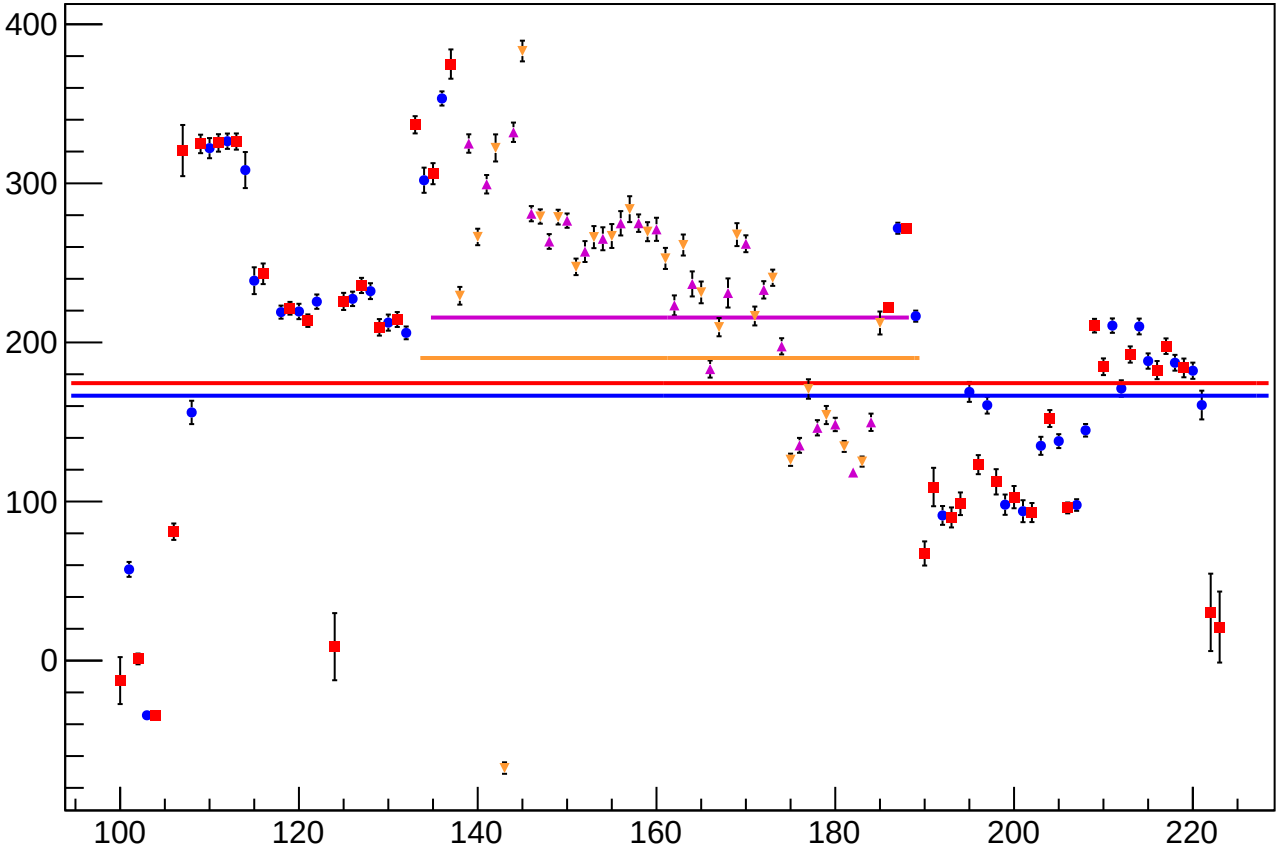
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

\+ sign 11.327+/-0.599 χ^2/NDF: 1024.5/58

All: 11.540+/-0.426 χ^2/NDF: 1940.7/120

\- sign 11.758+/-0.605 χ^2/NDF: 915.9/61

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 166.518+/-0.802 χ^2/NDF: 16171.5/33

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 174.414+/-0.752 χ^2/NDF: 21574.2/38

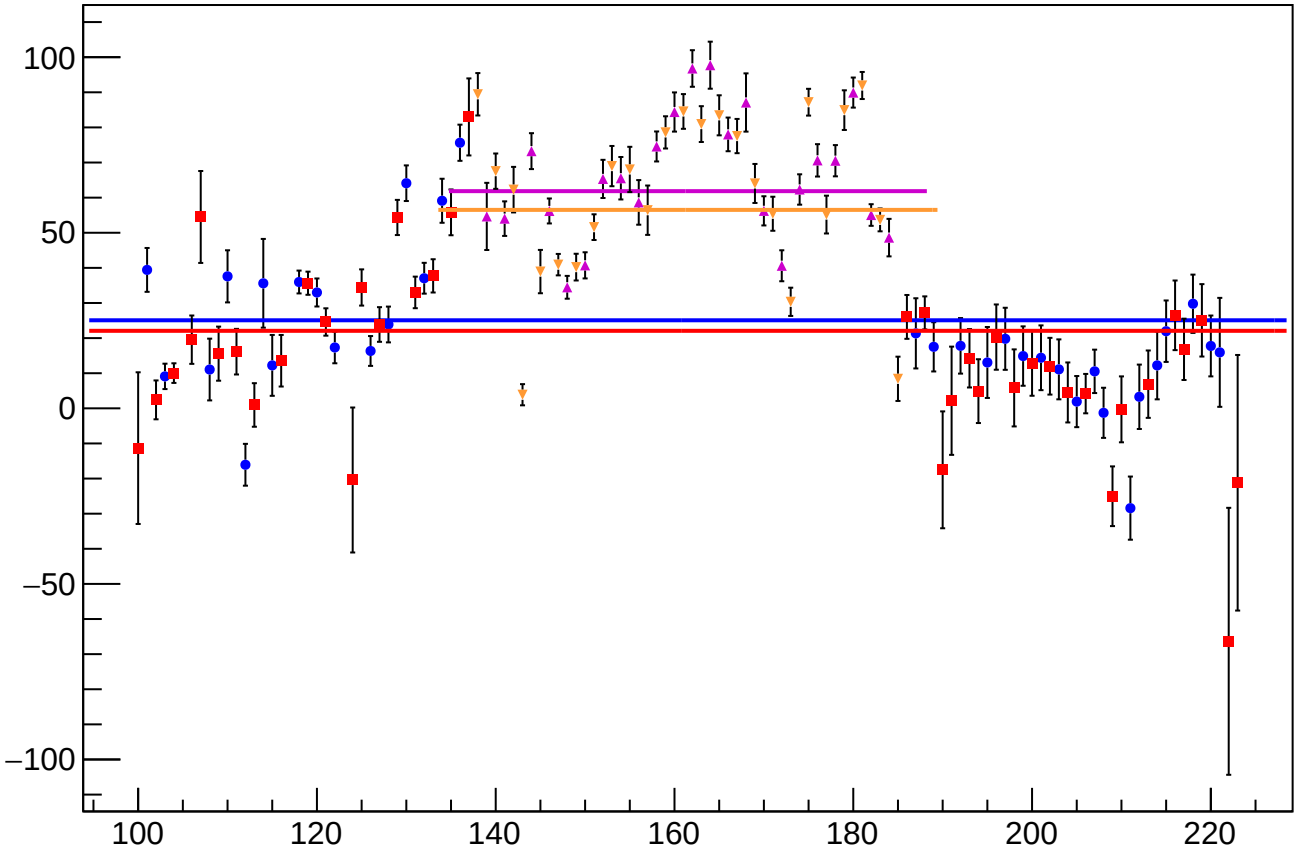
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 175.249+/-0.637 χ^2/NDF: 25877.3/58

All: 181.578+/-0.445 χ^2/NDF: 52489.3/120

- sign 187.579+/-0.621 χ^2/NDF: 26419.8/61

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.075+/-1.061 χ^2/NDF: 378.7/33

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

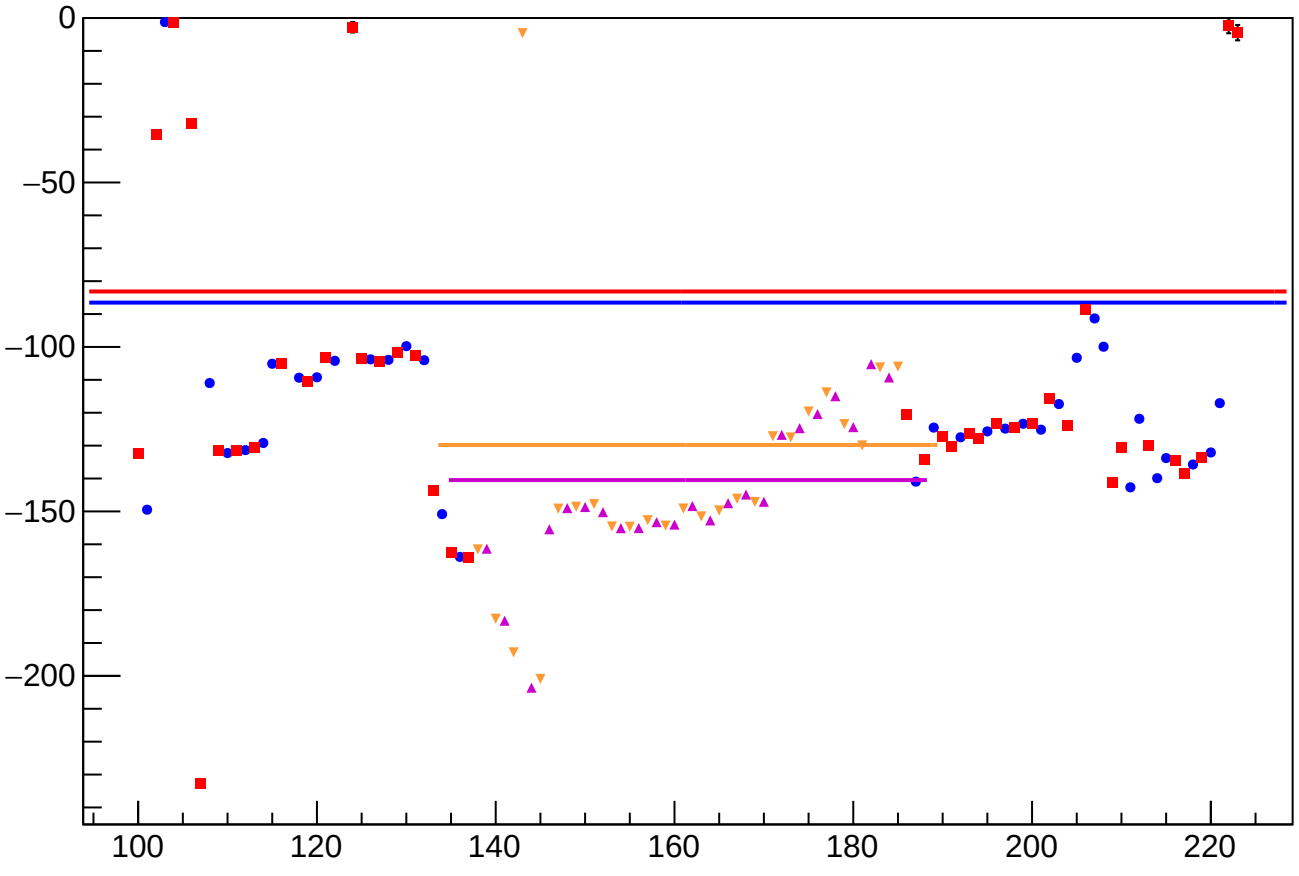
Right Out: 22.076+/-1.027 χ^2/NDF: 276.6/38

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 43.204+/-0.690 χ^2/NDF: 1684.0/58

All: 43.242+/-0.492 χ^2/NDF: 3080.3/120

- sign 43.282+/-0.702 χ^2/NDF: 1396.3/61



Right In: -86.516+/-0.049 χ^2/NDF: 1370681.5/33

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -83.139+/-0.048 χ^2/NDF: 1332363.5/38

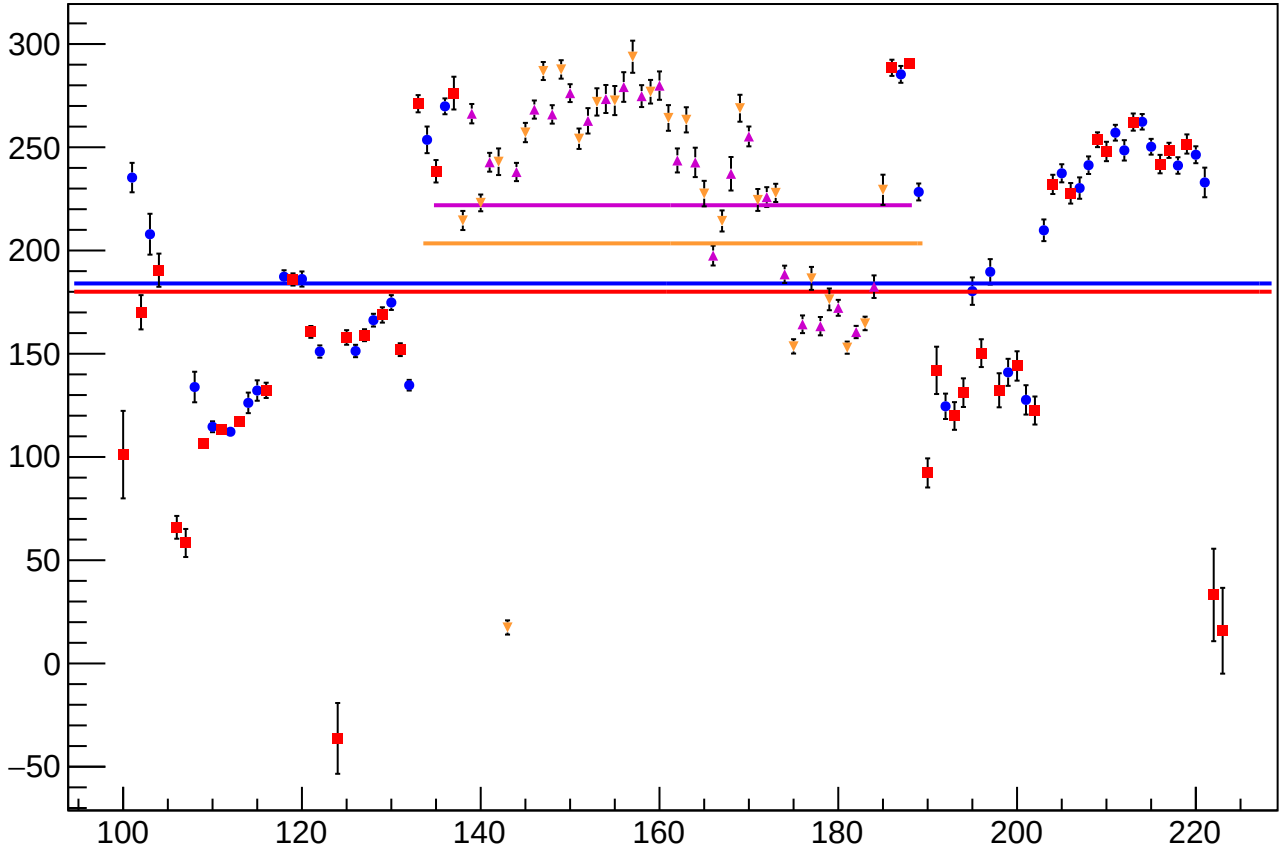
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.591+/-0.032 χ^2/NDF: 2839508.1/58

All: -113.118+/-0.023 χ^2/NDF: 5206993.6/12

- sign -114.674+/-0.032 χ^2/NDF: 2362912.5/61

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 184.041+/-0.685 χ^2/NDF: 6586.8/33

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 180.043+/-0.655 χ^2/NDF: 10649.1/38

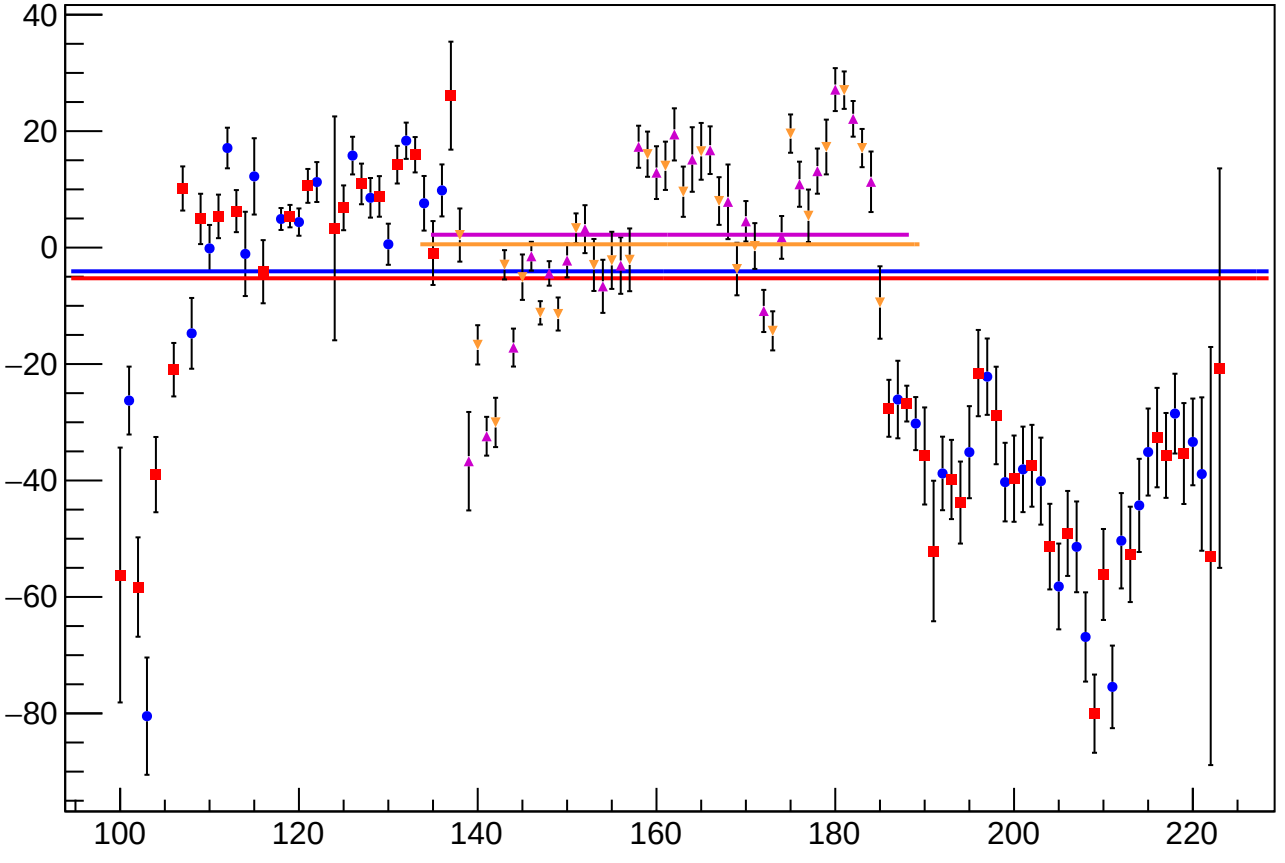
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 190.650+/-0.556 χ^2/NDF: 12352.0/58

All: 191.619+/-0.390 χ^2/NDF: 26216.4/120

- sign 192.561+/-0.548 χ^2/NDF: 13858.4/61

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -4.072+/-0.785 χ^2/NDF: 835.6/33

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -5.271+/-0.771 χ^2/NDF: 855.3/38

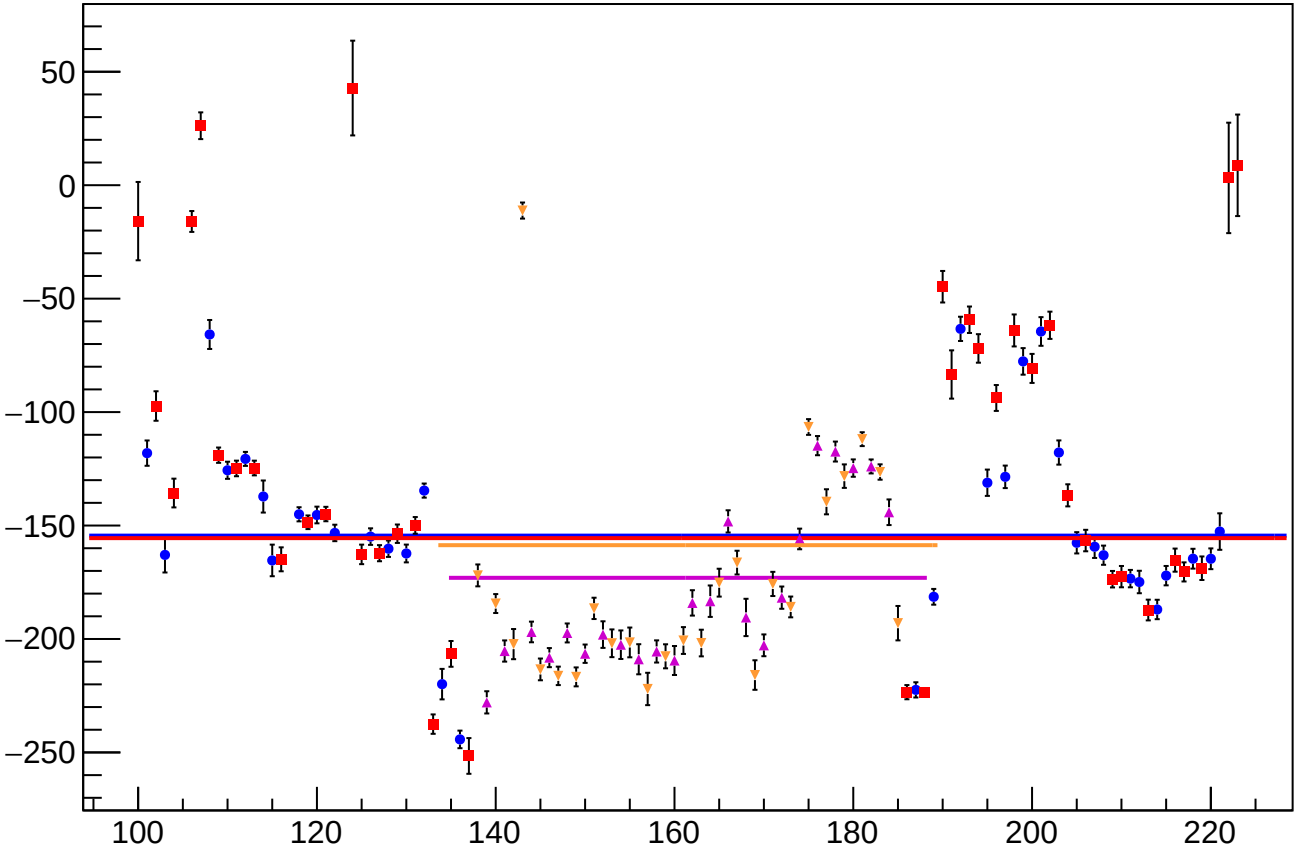
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign -1.537+/-0.529 χ^2/NDF: 1200.1/58

All: -1.509+/-0.378 χ^2/NDF: 2461.3/120

- sign -1.479+/-0.541 χ^2/NDF: 1261.2/61

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -154.448+/-0.747 χ^2/NDF: 2479.0/33

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.552+/-0.704 χ^2/NDF: 6633.0/38

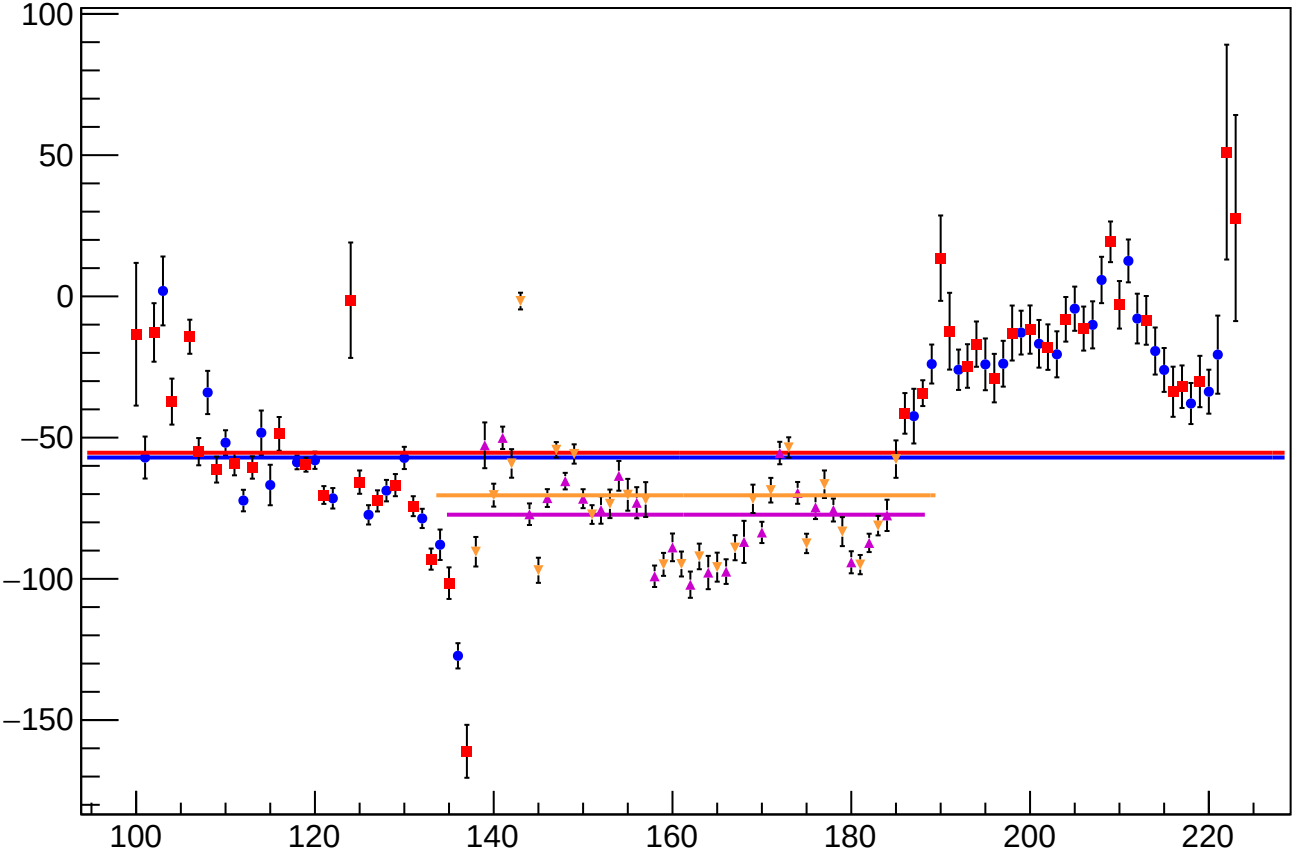
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.054+/-0.587 χ^2/NDF: 5982.9/58

All: -158.776+/-0.411 χ^2/NDF: 14263.6/120

- sign -161.384+/-0.575 χ^2/NDF: 8238.7/61

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -57.046+/-0.910 χ^2/NDF: 893.1/33

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -55.357+/-0.898 χ^2/NDF: 920.7/38

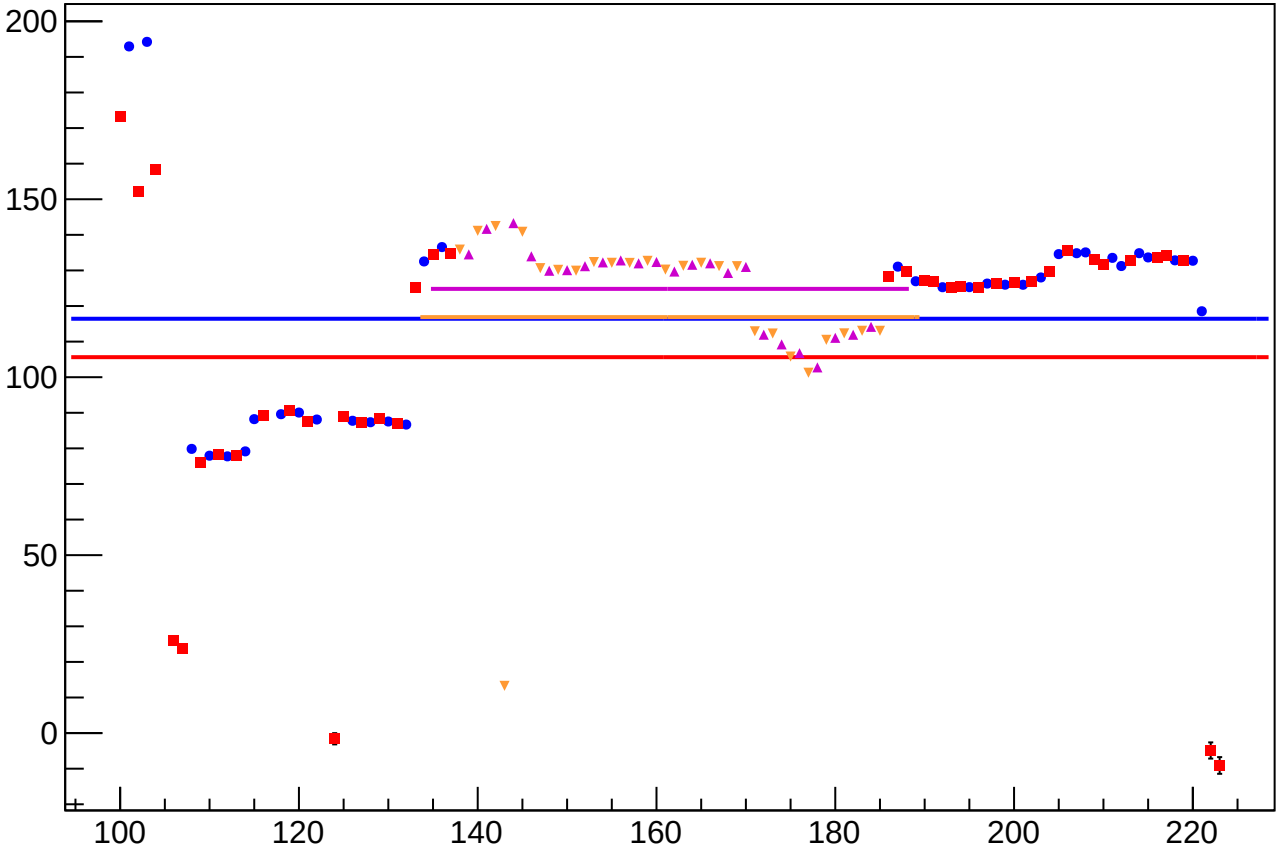
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -64.418+/-0.610 χ^2/NDF: 1914.0/58

All: -65.546+/-0.436 χ^2/NDF: 3405.0/120

- sign -66.725+/-0.623 χ^2/NDF: 1484.0/61

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 116.423+/-0.052 χ^2/NDF: 292276.5/33

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 105.628+/-0.049 χ^2/NDF: 552404.2/38

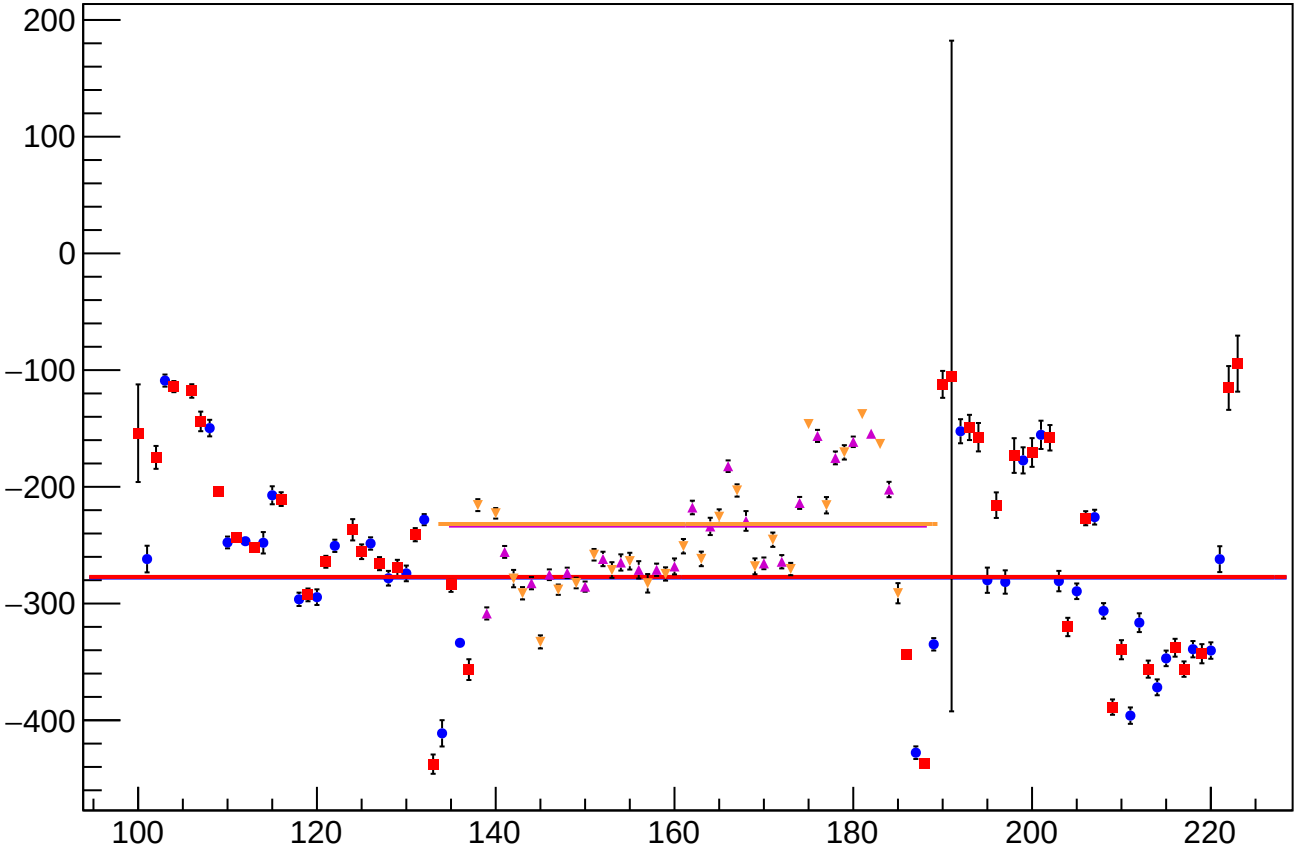
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.721+/-0.031 χ^2/NDF: 915437.1/58

All: 117.010+/-0.022 χ^2/NDF: 1649446.2/120

- sign 117.298+/-0.031 χ^2/NDF: 733832.1/61

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -277.749+/-1.113 χ^2/NDF: 4151.8/33

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -277.189+/-1.024 χ^2/NDF: 8450.8/38

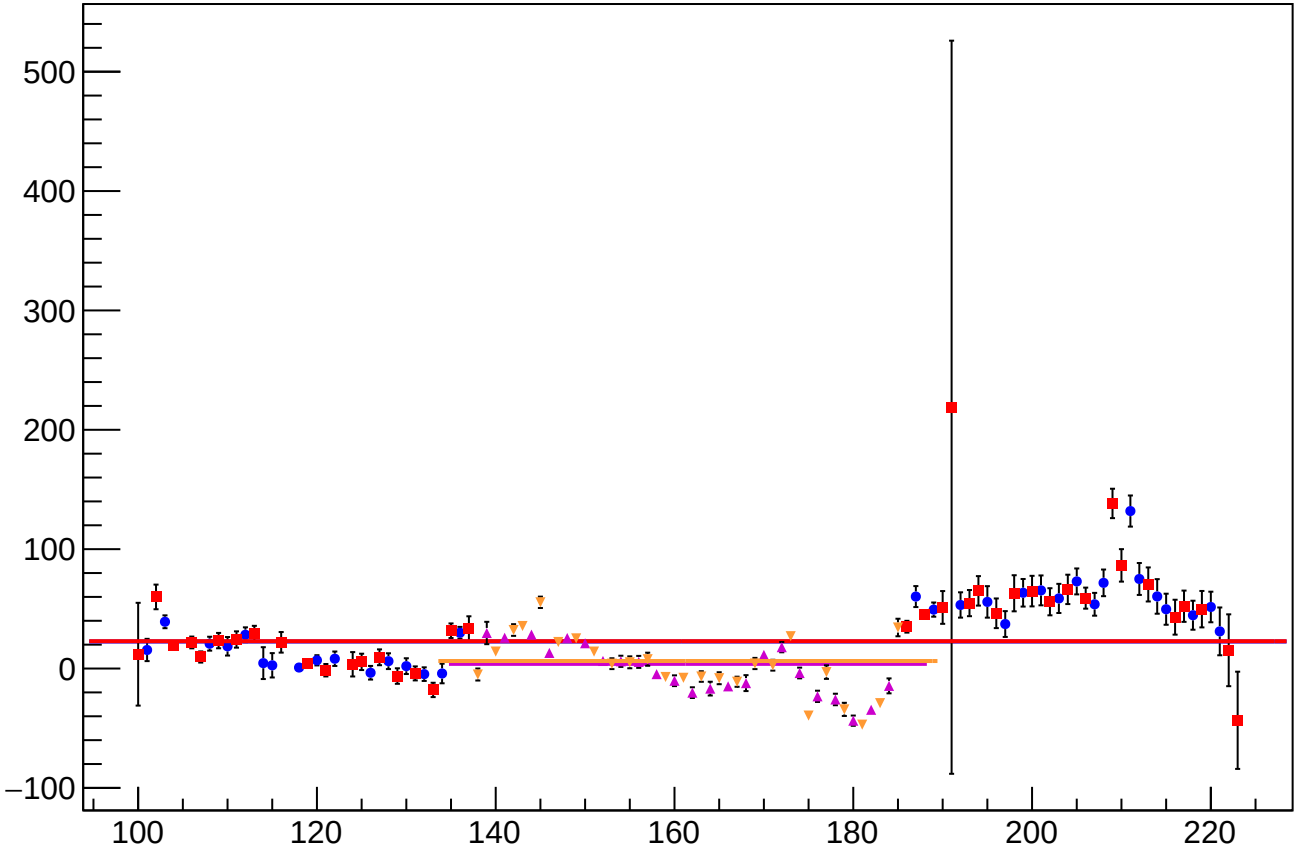
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -254.108+/-0.775 χ^2/NDF: 7704.2/58

All: -255.572+/-0.540 χ^2/NDF: 19077.2/120

- sign -256.949+/-0.752 χ^2/NDF: 11366.1/61

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 22.631+/-1.278 χ^2/NDF: 393.6/33

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.900+/-1.166 χ^2/NDF: 432.1/38

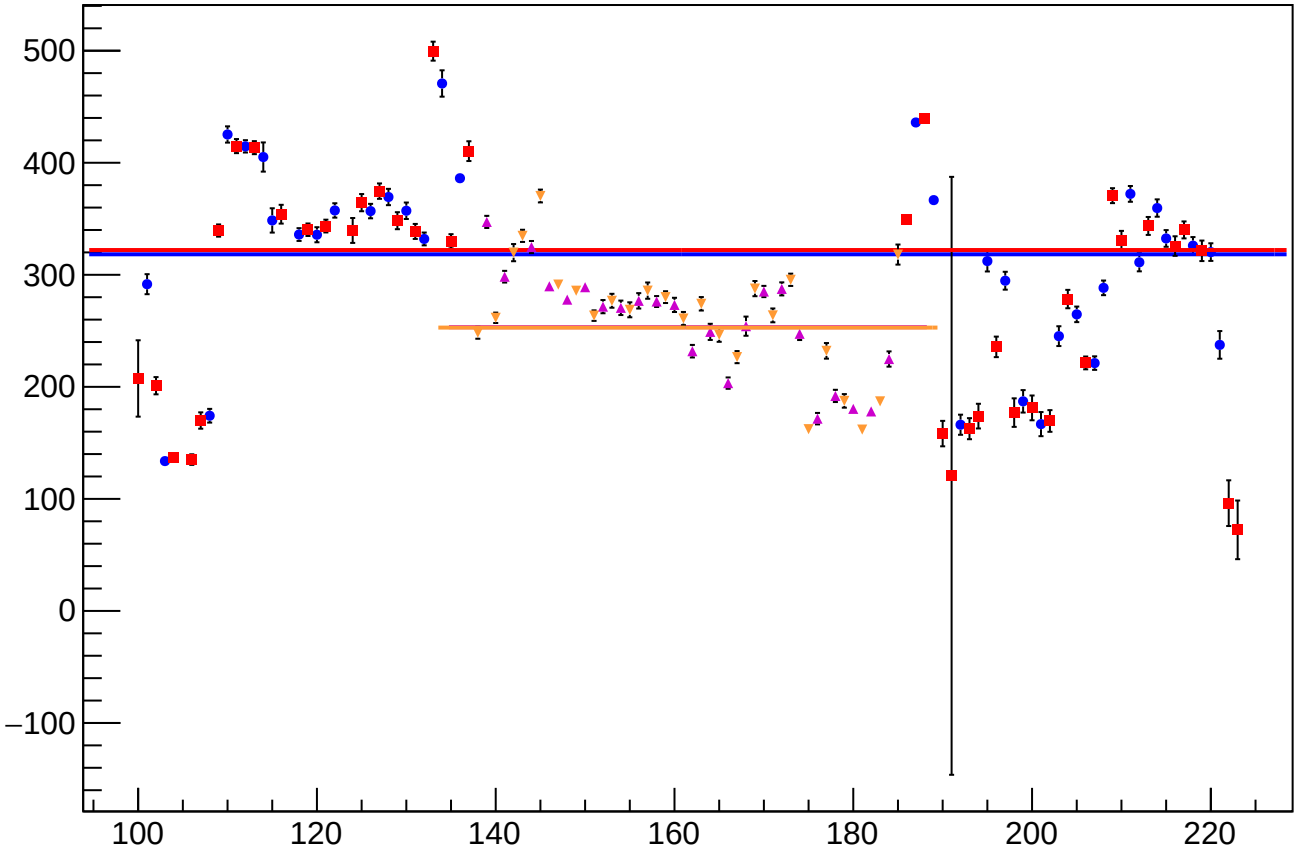
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 10.800+/-0.671 χ^2/NDF: 1383.5/58

All: 10.487+/-0.474 χ^2/NDF: 2644.2/120

- sign 10.175+/-0.670 χ^2/NDF: 1260.2/61

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 318.299+/-1.154 χ^2/NDF: 5821.8/33

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 322.105+/-1.028 χ^2/NDF: 10373.4/38

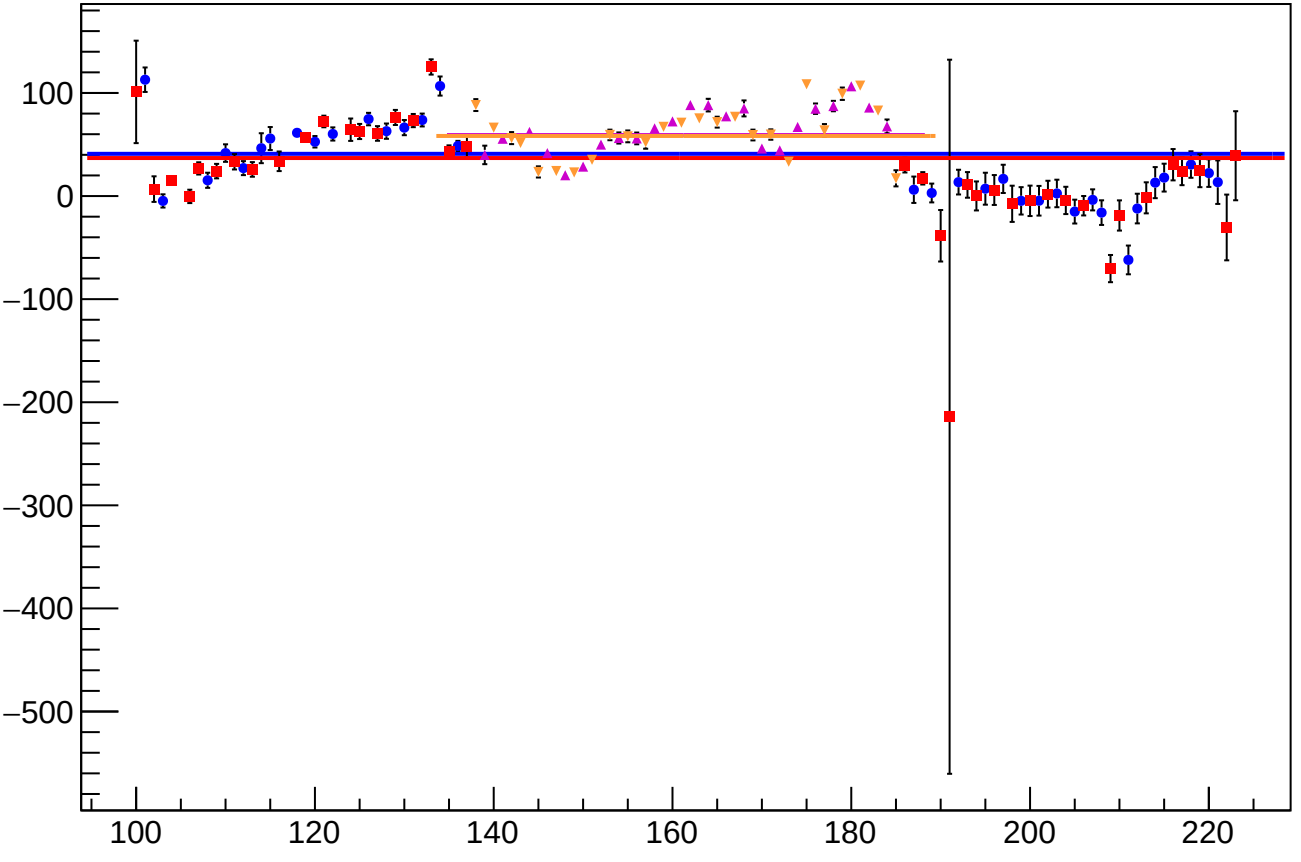
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

\+ sign 283.151+/-0.785 χ^2/NDF: 10128.5/58

All: 286.635+/-0.542 χ^2/NDF: 24704.9/120

\- sign 289.808+/-0.749 χ^2/NDF: 14538.7/61

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 40.975+/-1.482 χ^2/NDF: 483.8/33

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 36.883+/-1.388 χ^2/NDF: 548.9/38

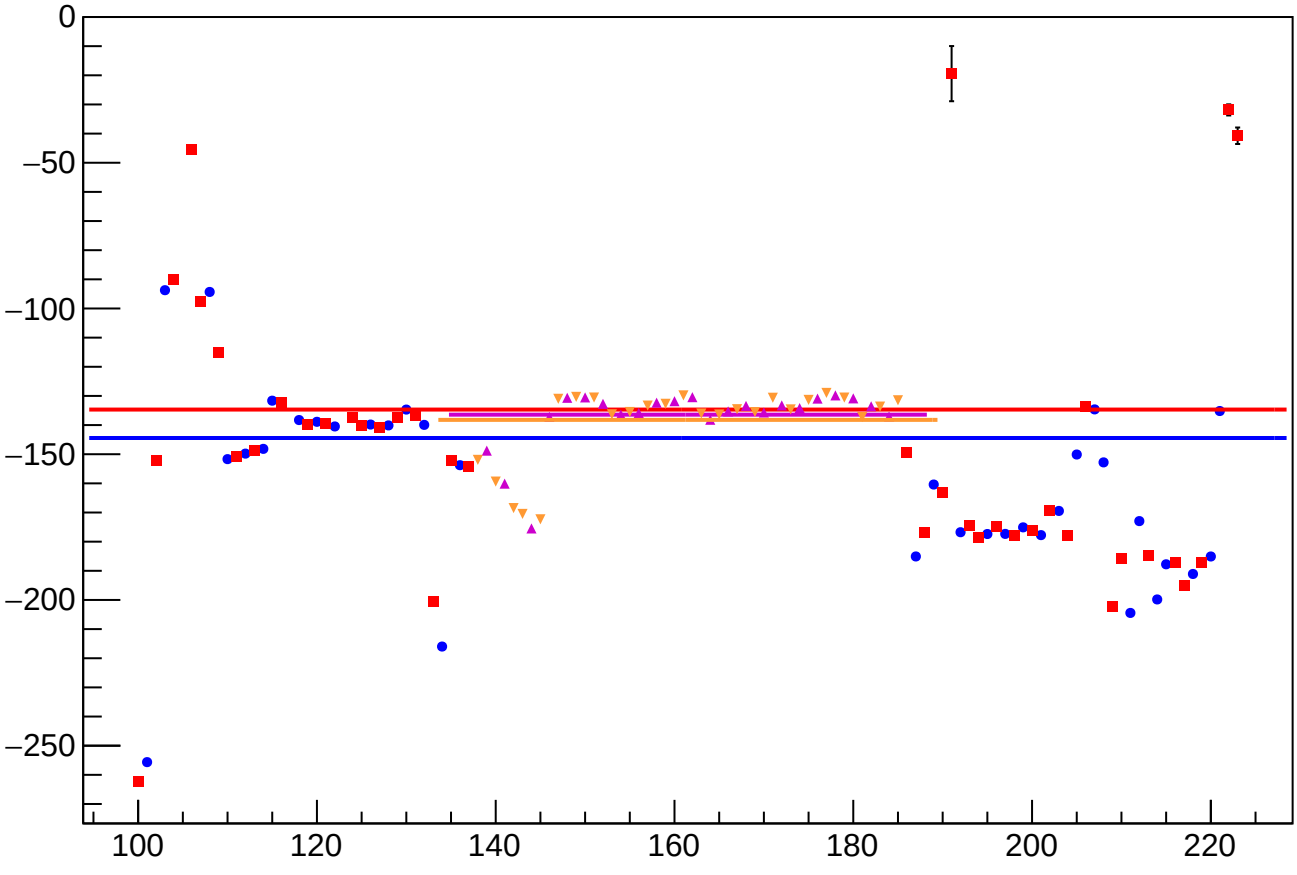
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 53.552+/-0.776 χ^2/NDF: 1433.2/58

All: 52.859+/-0.549 χ^2/NDF: 2792.8/120

- sign 52.165+/-0.777 χ^2/NDF: 1358.0/61

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -144.434+/-0.073 χ^2/NDF: 262187.5/33

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -134.678+/-0.070 χ^2/NDF: 373056.5/38

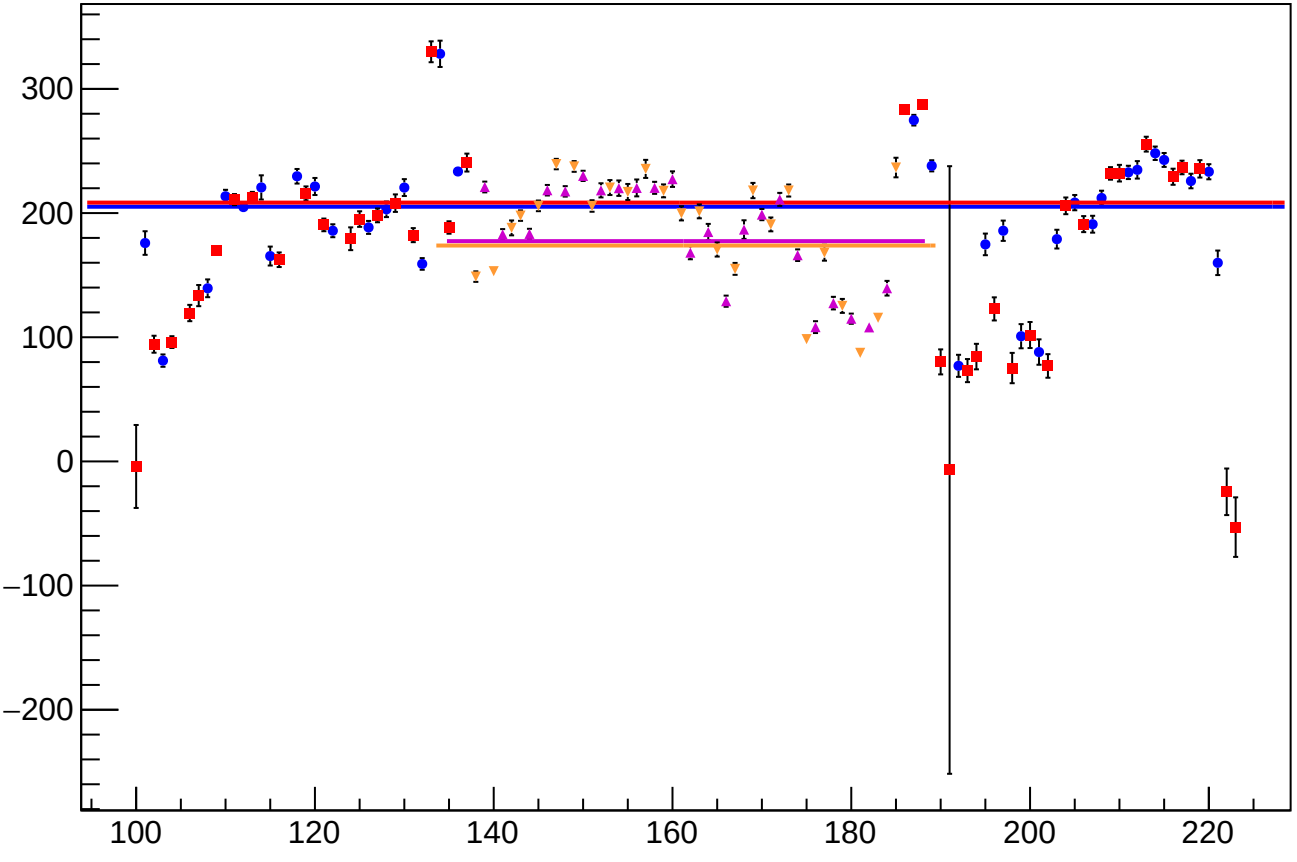
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.793+/-0.037 χ^2/NDF: 349439.5/58

All: -137.858+/-0.026 χ^2/NDF: 778271.0/120

- sign -135.947+/-0.036 χ^2/NDF: 423309.1/61

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 205.119+/-1.025 χ^2/NDF: 2110.8/33

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 208.435+/-0.944 χ^2/NDF: 4632.9/38

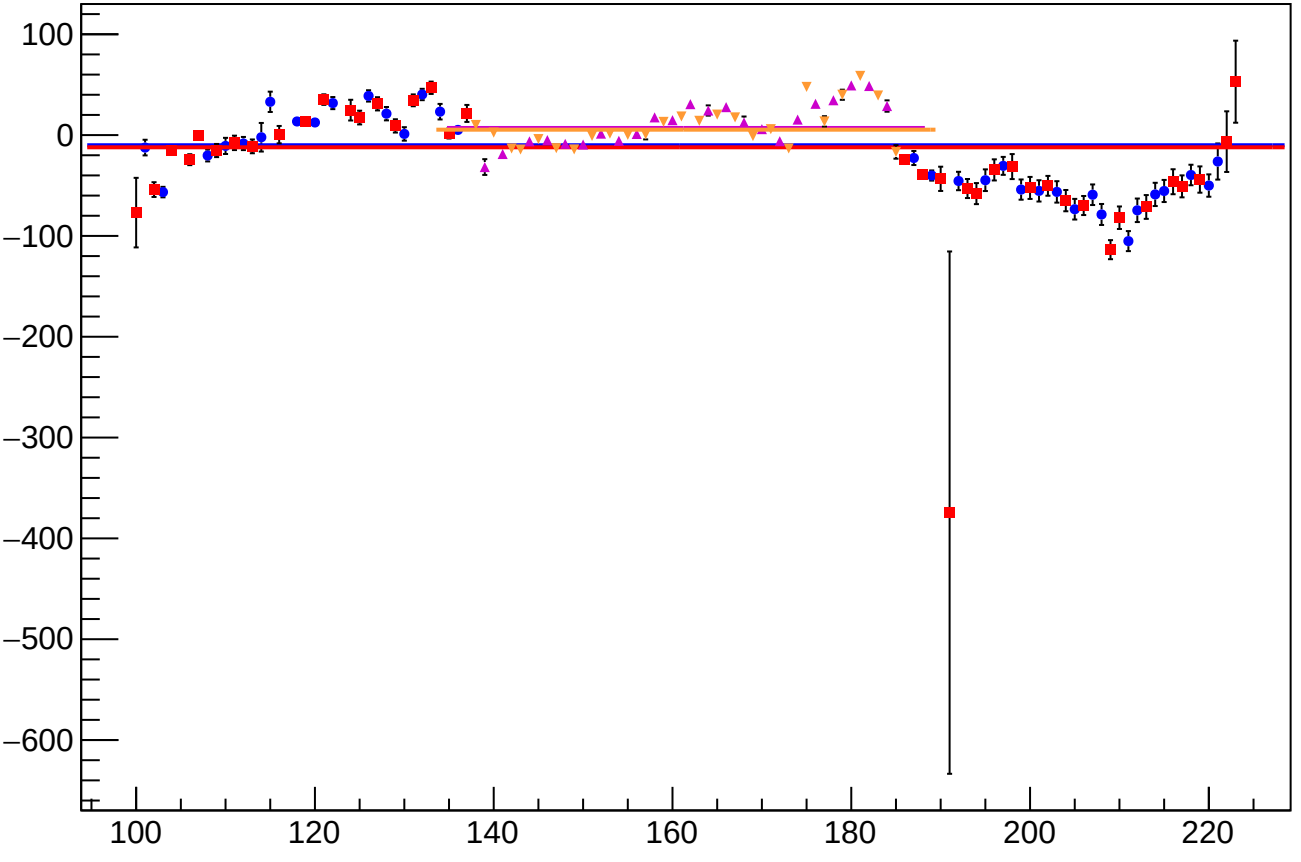
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 188.504+/-0.701 χ^2/NDF: 5232.8/58

All: 191.181+/-0.490 χ^2/NDF: 12368.5/120

\- sign 193.736+/-0.685 χ^2/NDF: 7107.2/61

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -10.065+/-1.209 χ^2/NDF: 844.1/33

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -12.108+/-1.103 χ^2/NDF: 880.5/38

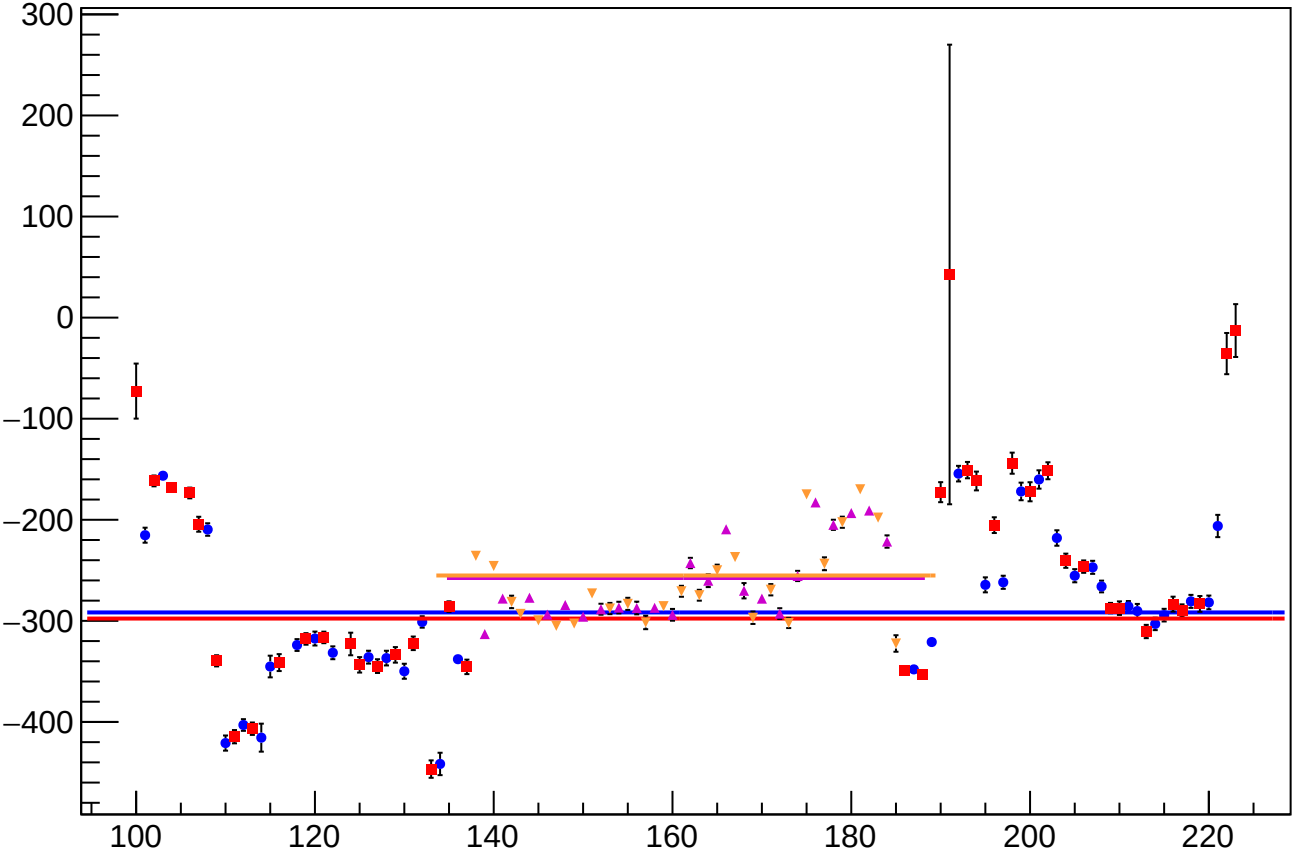
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 1.404+/-0.613 χ^2/NDF: 1775.0/58

All: 1.251+/-0.434 χ^2/NDF: 3573.3/120

- sign 1.097+/-0.615 χ^2/NDF: 1798.2/61

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -291.670+/-1.043 χ^2/NDF: 4172.9/33

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -297.727+/-0.926 χ^2/NDF: 7010.0/38

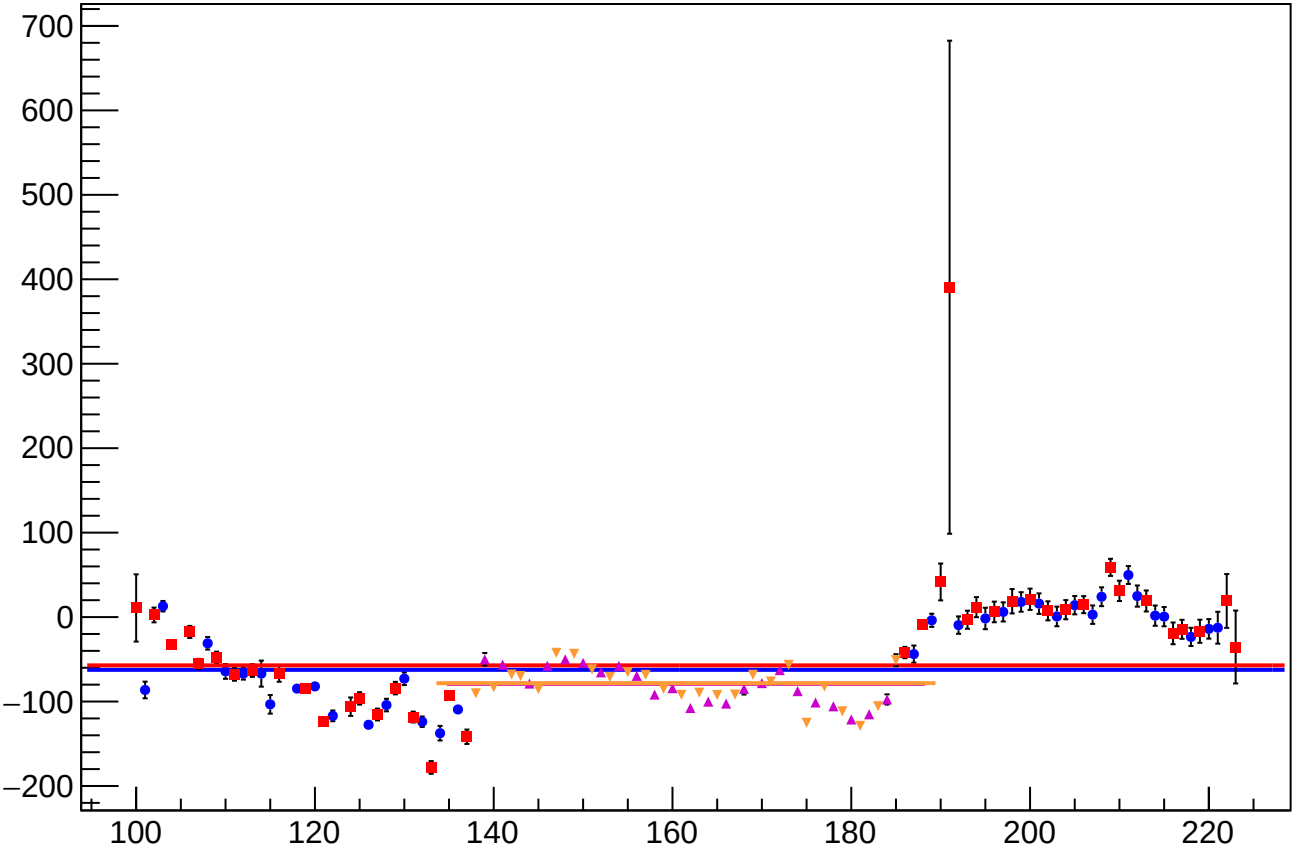
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.809+/-0.705 χ^2/NDF: 7184.6/58

All: -275.506+/-0.487 χ^2/NDF: 16936.3/120

- sign -278.893+/-0.675 χ^2/NDF: 9699.0/61

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -62.459+/-1.400 χ^2/NDF: 1420.5/33

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -57.176+/-1.317 χ^2/NDF: 1567.4/38

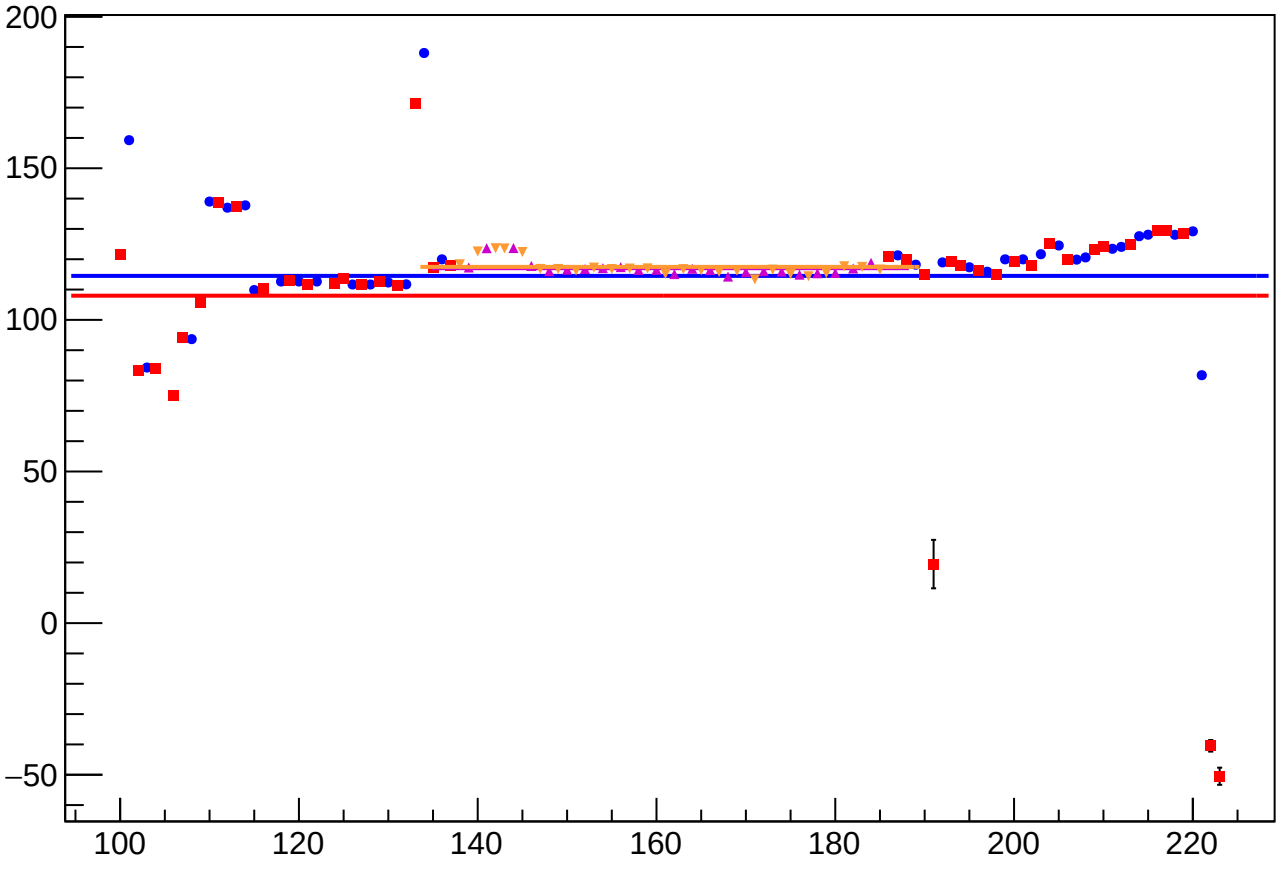
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -74.259+/-0.707 χ^2/NDF: 2384.0/58

All: -73.457+/-0.502 χ^2/NDF: 4851.8/120

- sign -72.641+/-0.713 χ^2/NDF: 2465.2/61

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 114.508+/-0.067 χ^2/NDF: 90796.9/33

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.974+/-0.064 χ^2/NDF: 93678.6/38

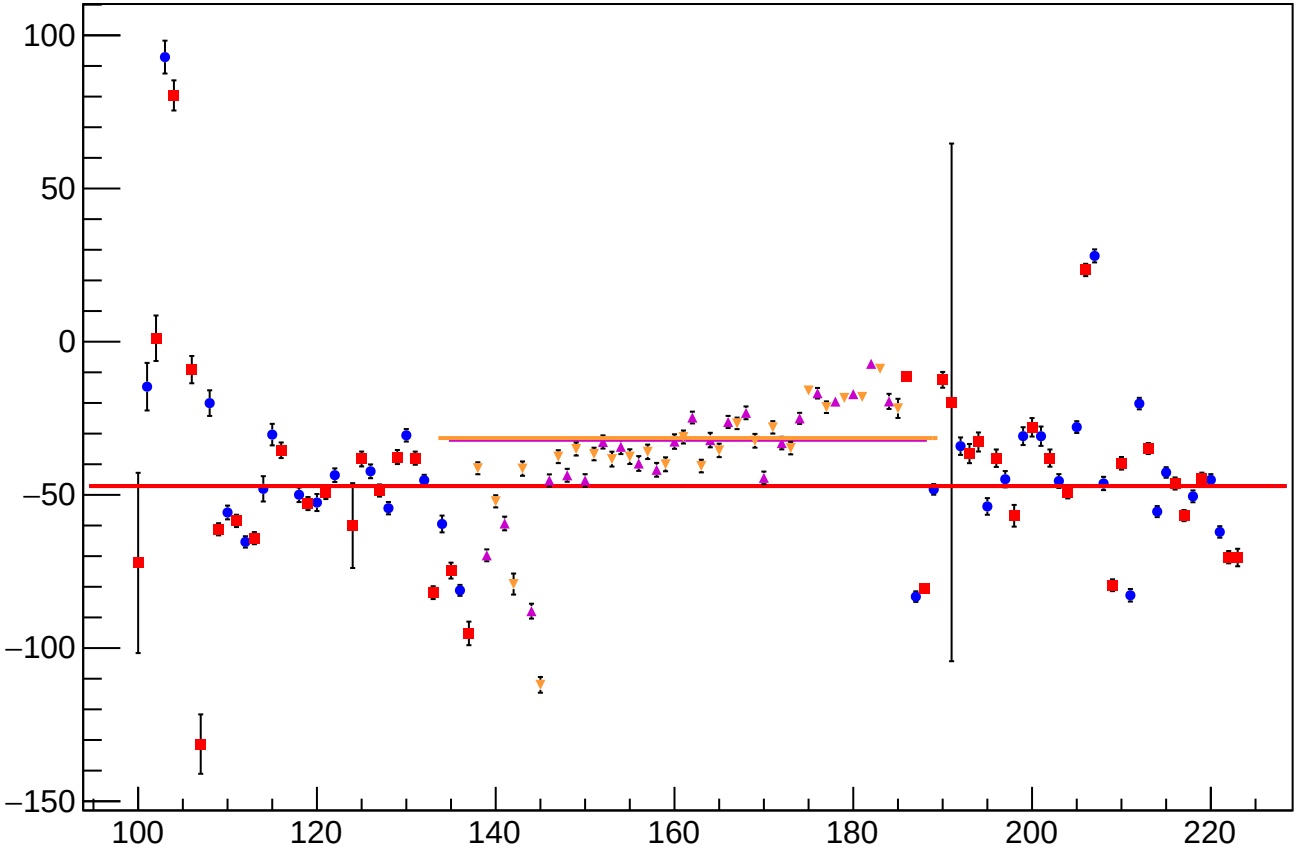
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.753+/-0.033 χ^2/NDF: 97023.9/58

All: 115.678+/-0.023 χ^2/NDF: 211017.4/120

- sign 114.605+/-0.033 χ^2/NDF: 111878.4/61

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -47.114+/-0.381 χ^2/NDF: 3814.3/33

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.117+/-0.356 χ^2/NDF: 5990.1/38

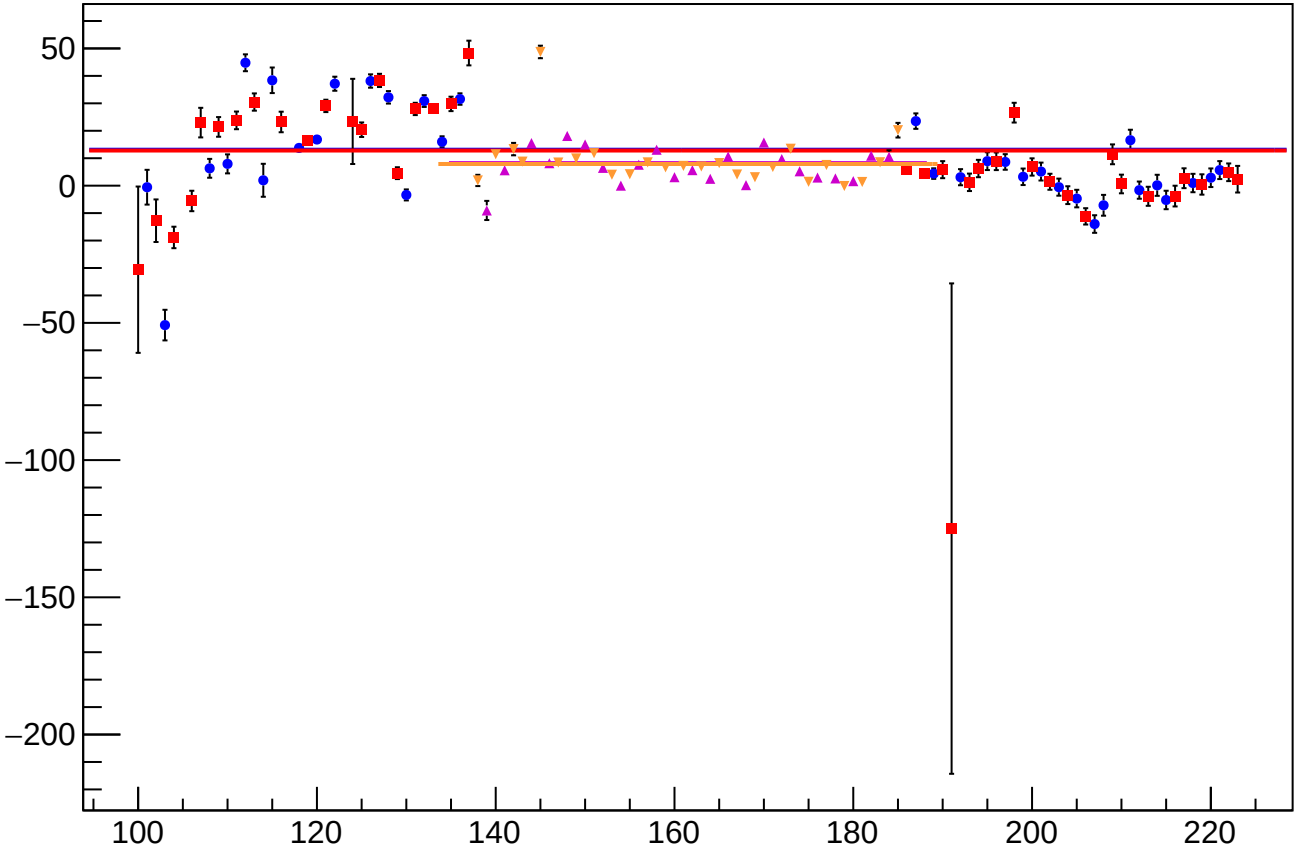
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.634+/-0.276 χ^2/NDF: 6612.0/58

All: -40.136+/-0.192 χ^2/NDF: 15297.7/120

- sign -40.612+/-0.268 χ^2/NDF: 8679.3/61

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.099+/-0.468 χ^2/NDF: 1074.3/33

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 12.806+/-0.438 χ^2/NDF: 907.3/38

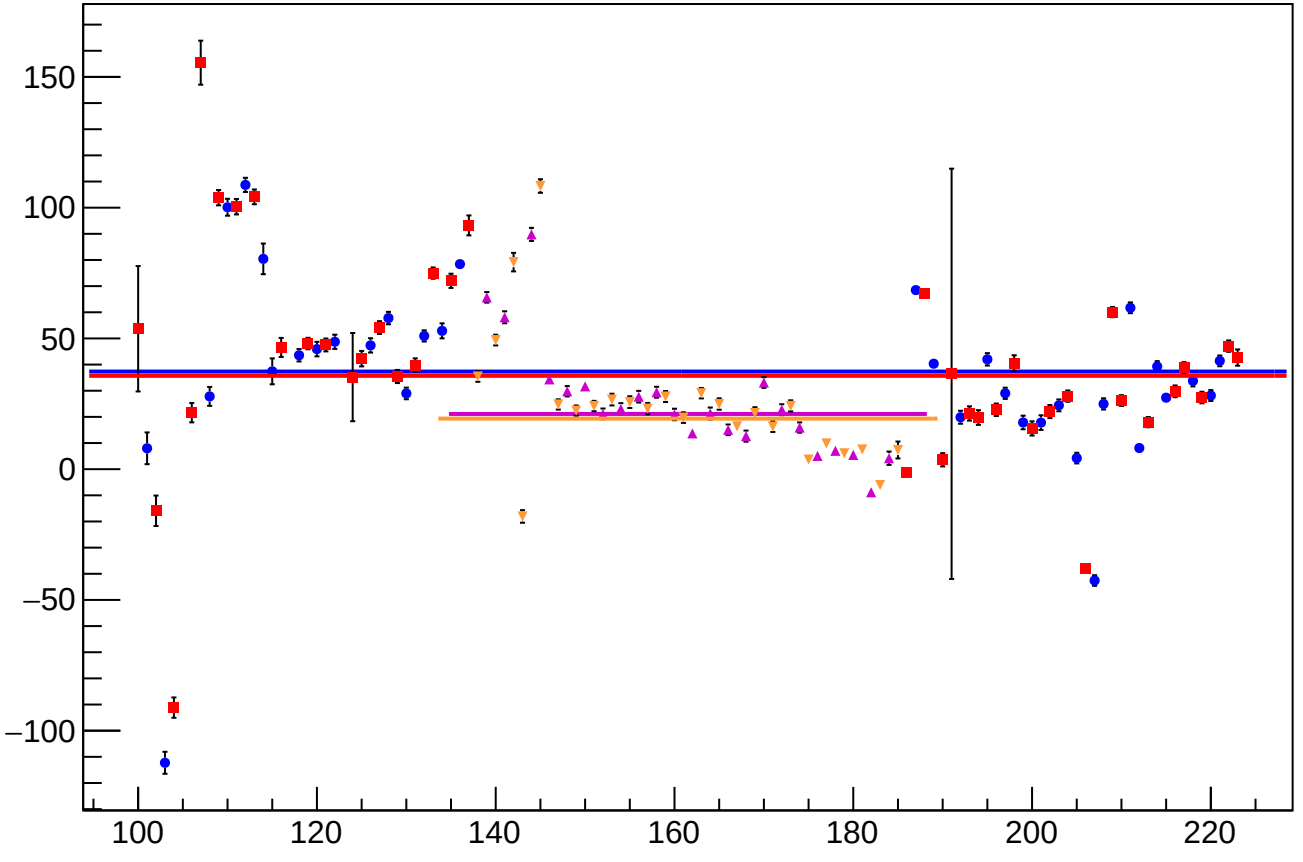
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.441+/-0.255 χ^2/NDF: 1651.8/58

All: 9.614+/-0.181 χ^2/NDF: 2970.9/120

- sign 9.789+/-0.256 χ^2/NDF: 1318.2/61

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.335+/-0.393 χ^2/NDF: 6113.6/33

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.694+/-0.350 χ^2/NDF: 9421.9/38

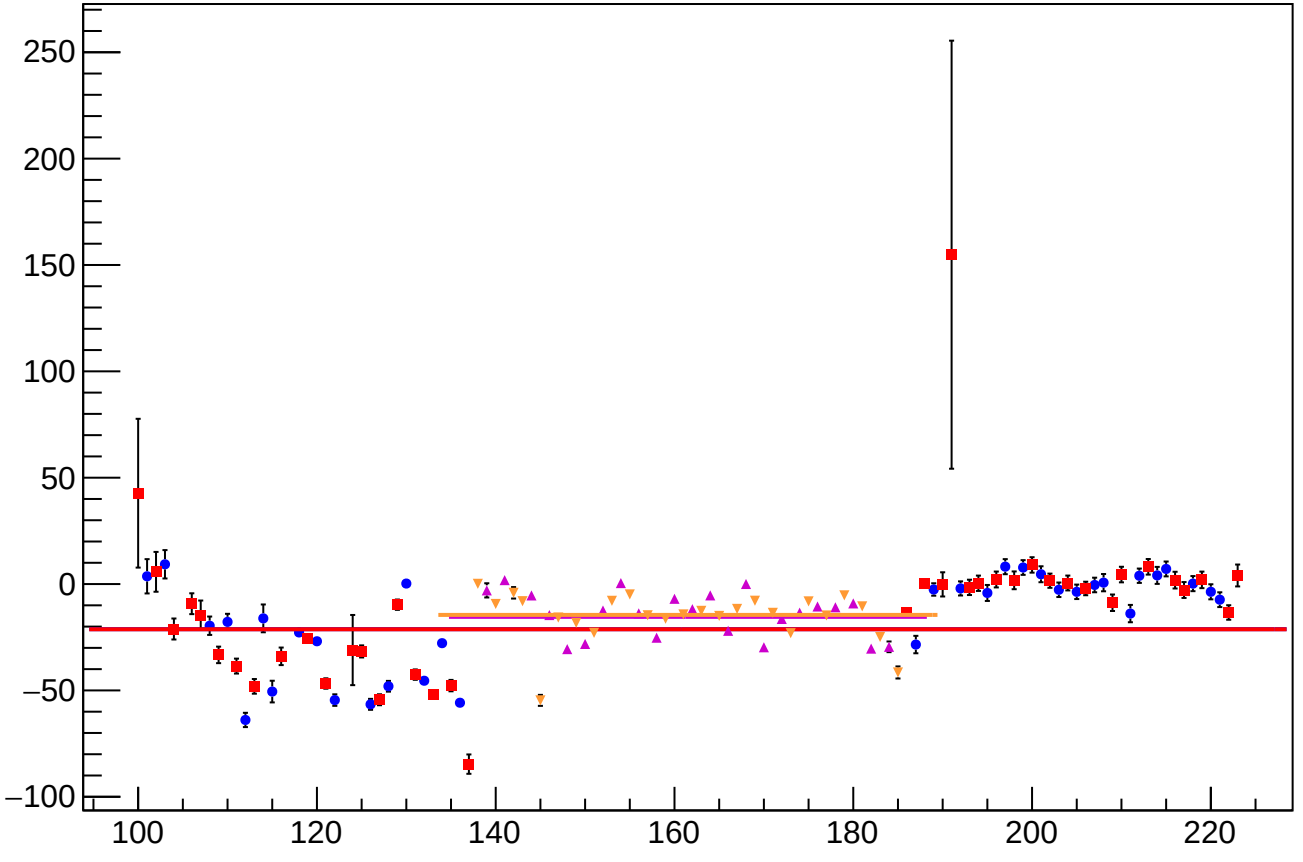
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 28.389+/-0.279 χ^2/NDF: 9836.7/58

All: 28.947+/-0.192 χ^2/NDF: 22511.4/120

- sign 29.450+/-0.265 χ^2/NDF: 12667.1/61

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -21.217+/-0.537 χ^2/NDF: 1815.0/33

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -21.256+/-0.521 χ^2/NDF: 1791.7/38

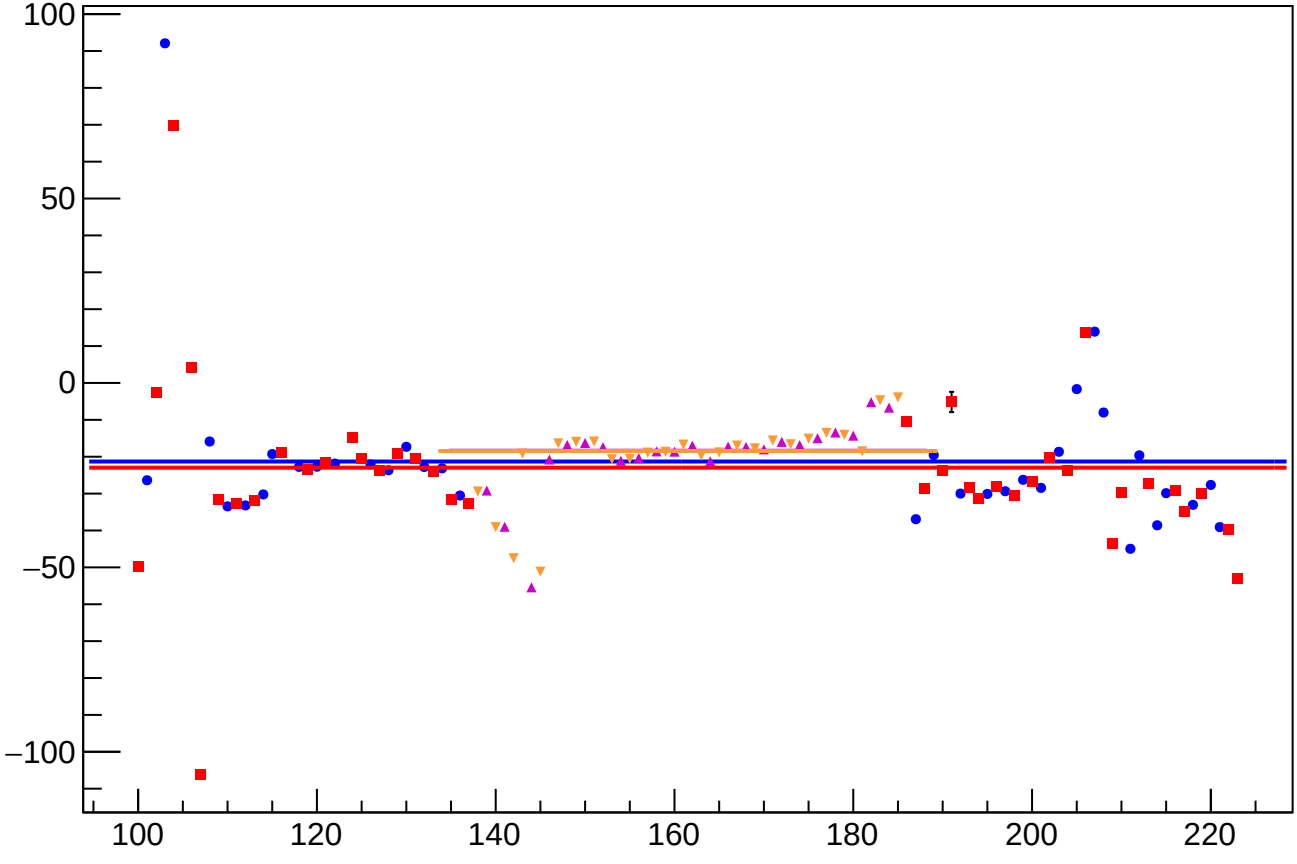
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -16.455+/-0.290 χ^2/NDF: 2566.8/58

All: -16.856+/-0.206 χ^2/NDF: 5246.8/120

- sign -17.269+/-0.294 χ^2/NDF: 2676.1/61

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.298+/-0.026 χ^2/NDF: 594050.3/33

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.971+/-0.026 χ^2/NDF: 504167.1/38

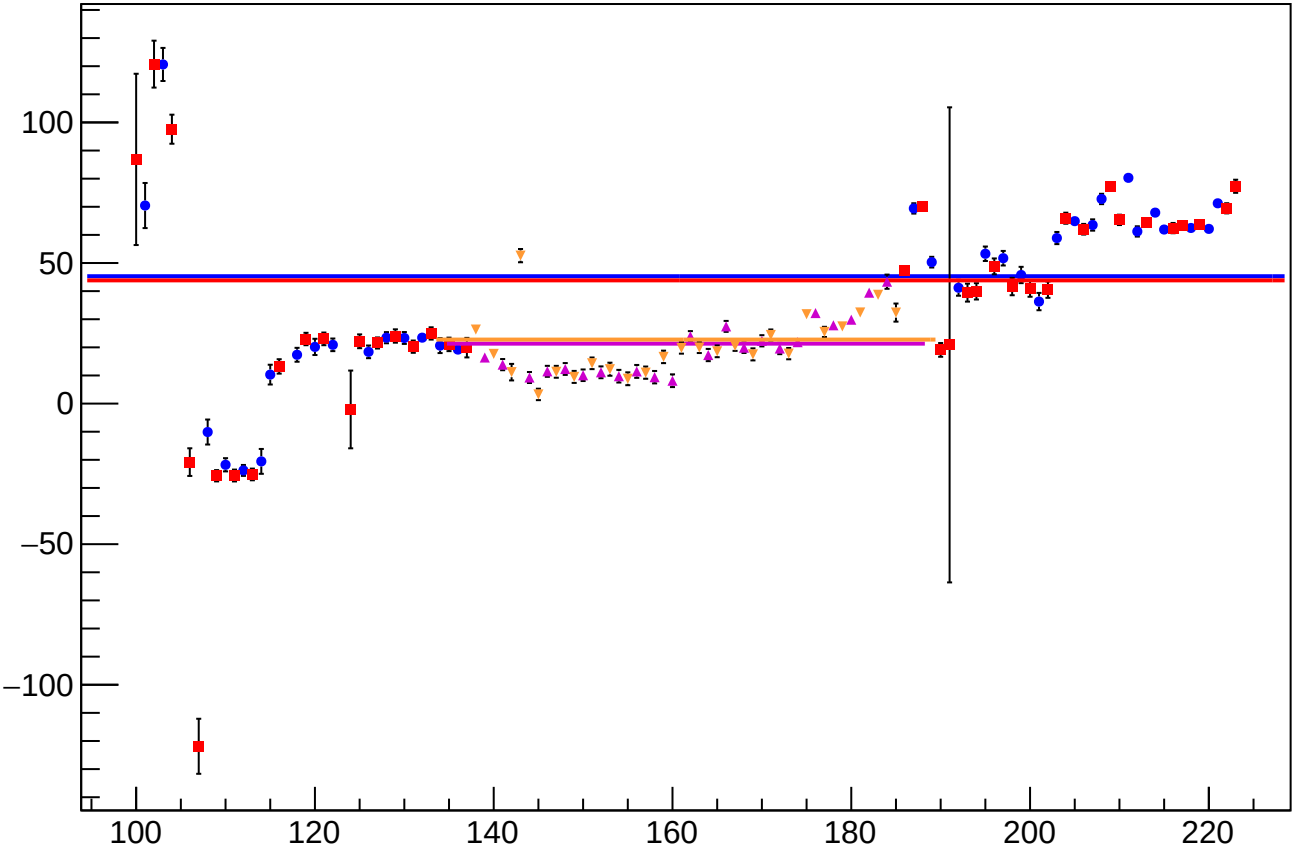
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.179+/-0.013 χ^2/NDF: 898078.3/58

All: -19.388+/-0.009 χ^2/NDF: 1675404.5/120

- sign -19.601+/-0.013 χ^2/NDF: 776833.5/61

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 45.301+/-0.367 χ^2/NDF: 5836.7/33

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 43.830+/-0.352 χ^2/NDF: 7406.5/38

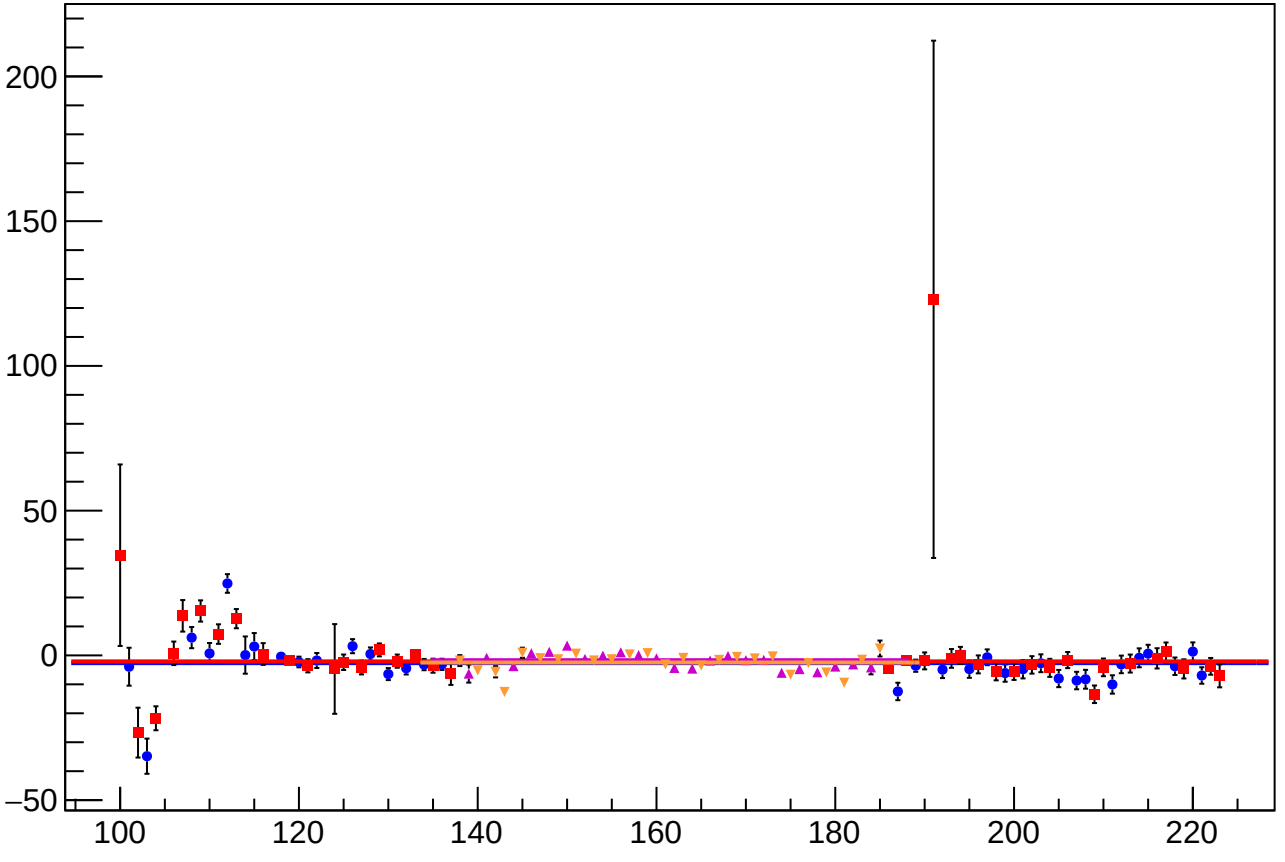
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

\+ sign 34.512+/-0.265 χ^2/NDF: 8367.5/58

All: 34.154+/-0.186 χ^2/NDF: 18227.8/120

\- sign 33.803+/-0.262 χ^2/NDF: 9856.7/61

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.676+/-0.462 χ^2/NDF: 158.7/33

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -2.066+/-0.444 χ^2/NDF: 125.5/38

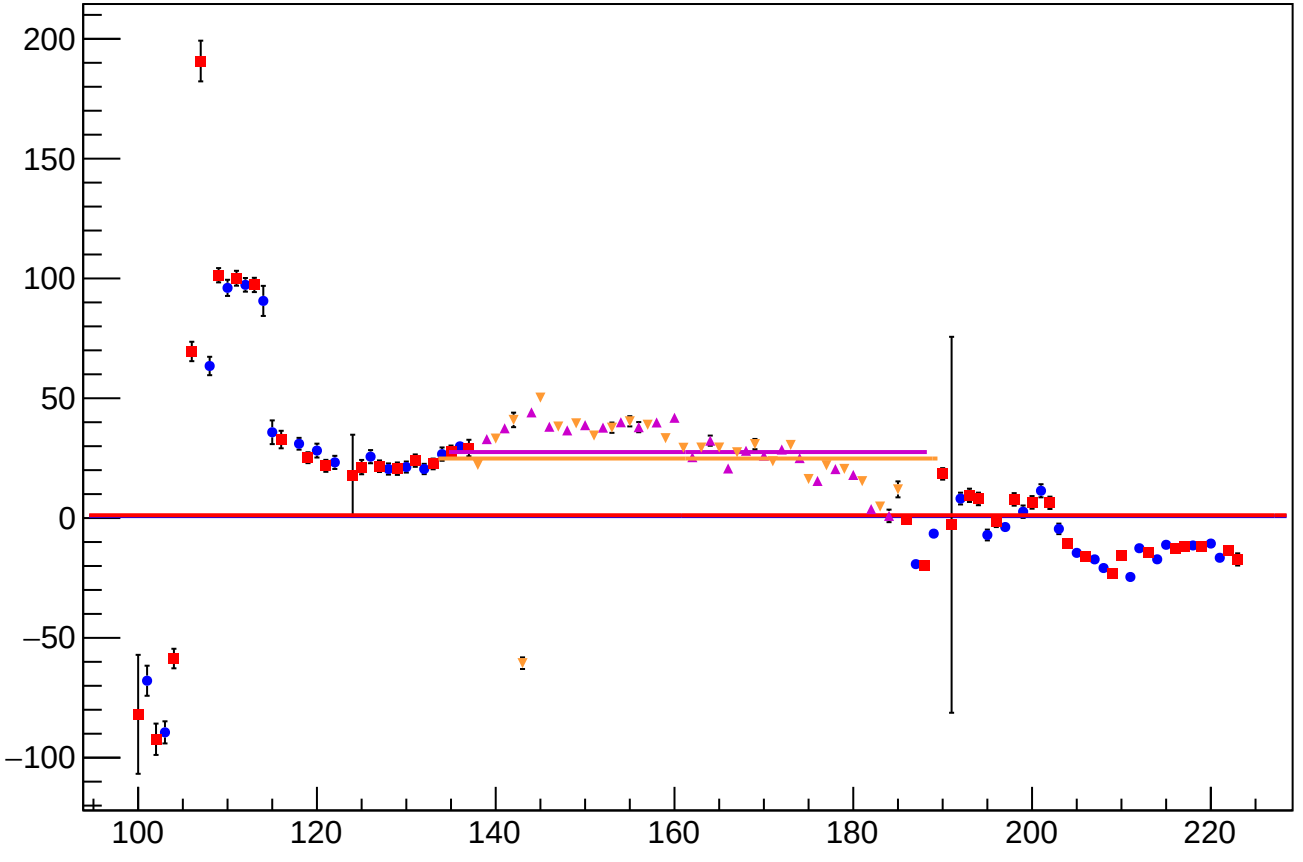
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.528+/-0.248 χ^2/NDF: 275.6/58

All: -2.164+/-0.176 χ^2/NDF: 476.2/120

- sign -1.789+/-0.251 χ^2/NDF: 196.2/61

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 0.817+/-0.380 χ^2/NDF: 5116.4/33

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 1.174+/-0.353 χ^2/NDF: 6589.9/38

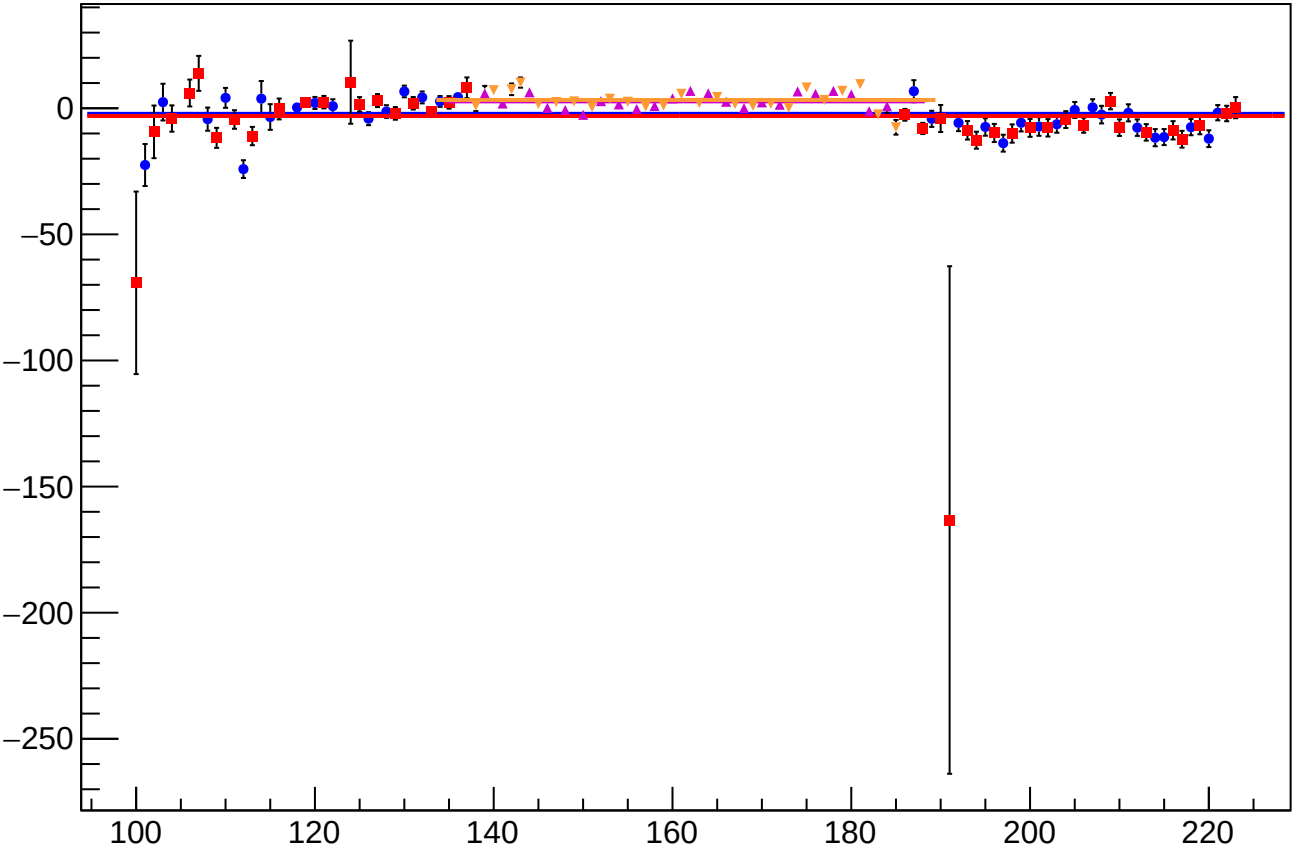
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 12.846+/-0.269 χ^2/NDF: 9165.5/58

All: 12.975+/-0.187 χ^2/NDF: 19158.6/120

- sign 13.098+/-0.261 χ^2/NDF: 9992.7/61

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.218+/-0.526 χ^2/NDF: 150.5/33

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -3.070+/-0.520 χ^2/NDF: 113.4/38

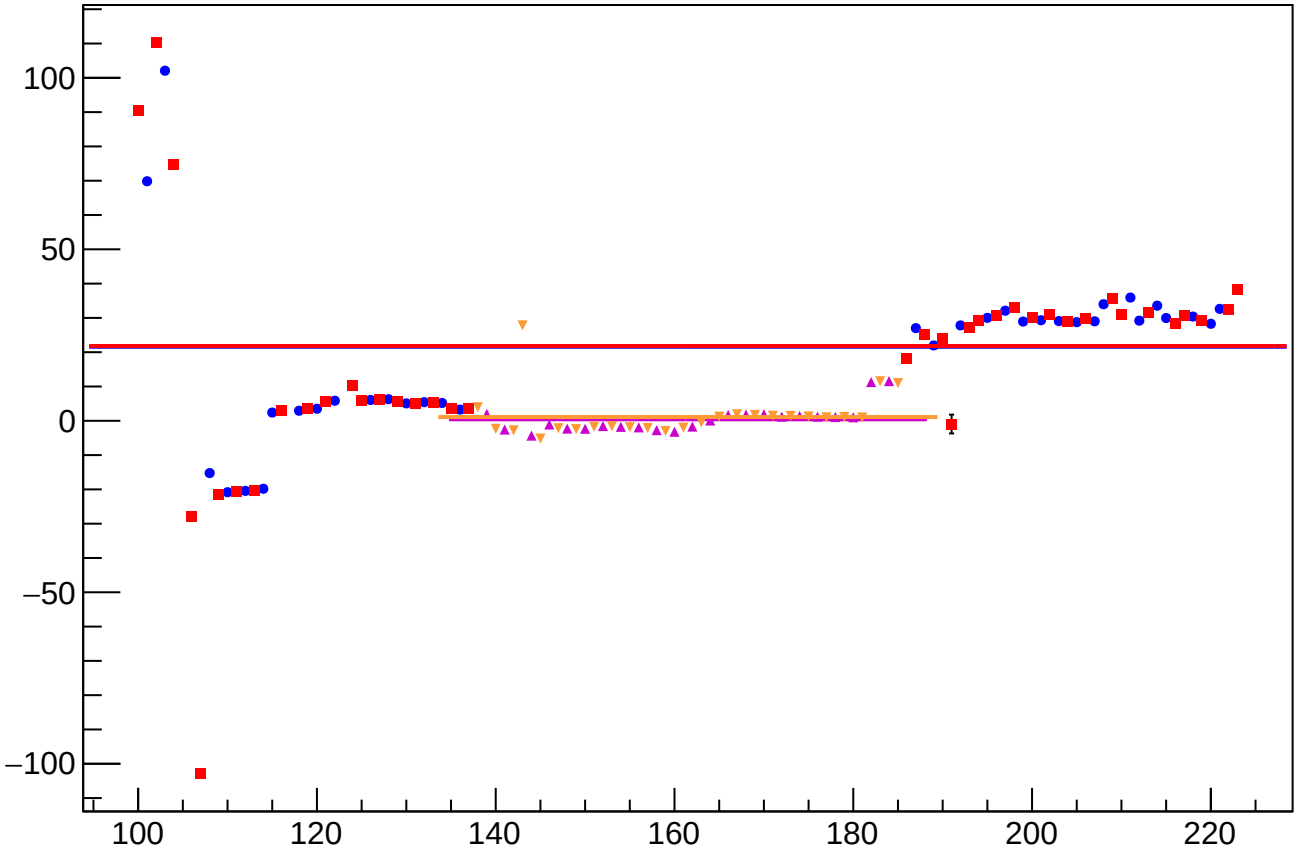
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 1.723+/-0.280 χ^2/NDF: 335.3/58

All: 1.359+/-0.200 χ^2/NDF: 613.3/120

- sign 0.980+/-0.286 χ^2/NDF: 274.6/61

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.593+/-0.025 χ^2/NDF: 512218.0/33

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.802+/-0.026 χ^2/NDF: 654923.7/38

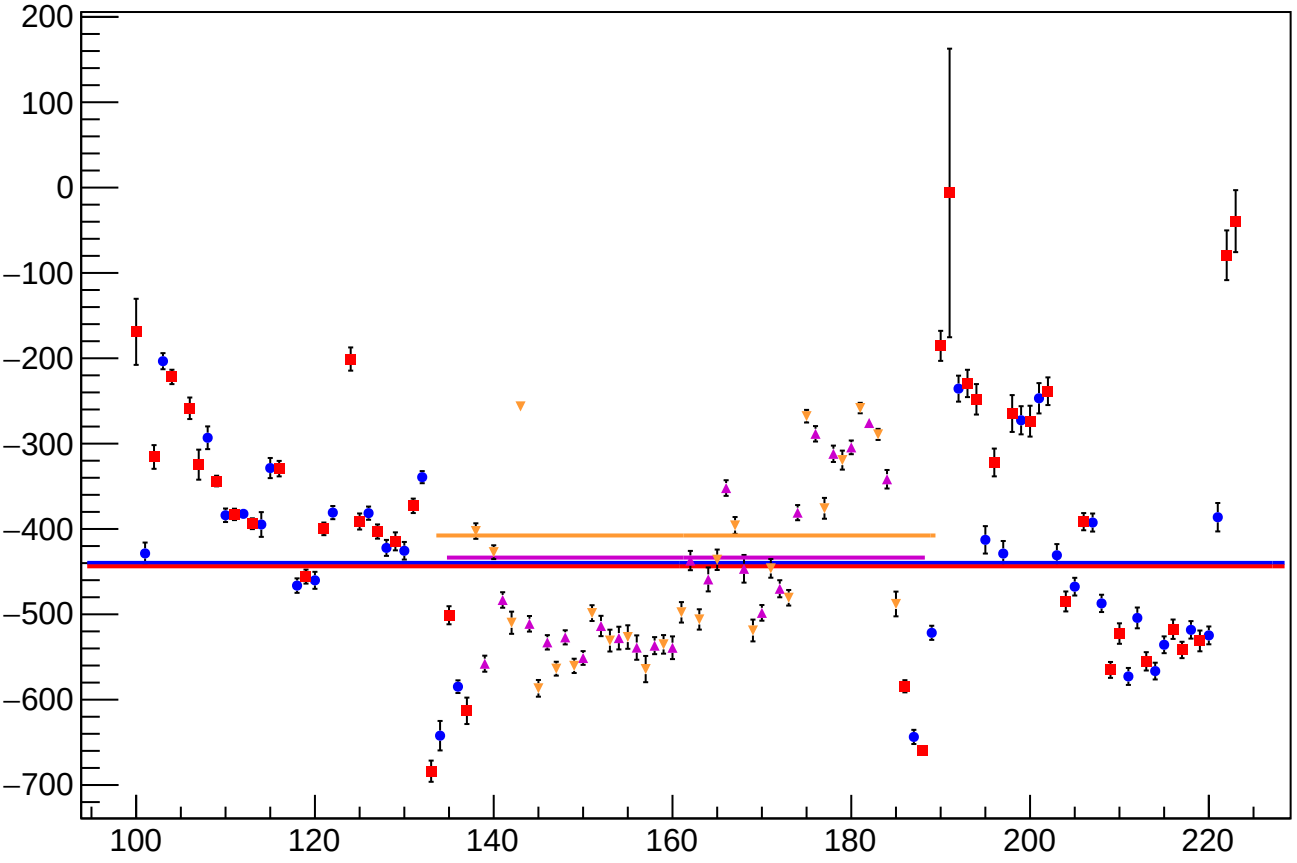
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 6.280+/-0.013 χ^2/NDF: 1123911.4/58

All: 6.122+/-0.009 χ^2/NDF: 2350210.7/120

- sign 5.959+/-0.013 χ^2/NDF: 1225988.9/61

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -439.739+/-1.709 χ^2/NDF: 3606.9/33

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -443.761+/-1.606 χ^2/NDF: 7204.4/38

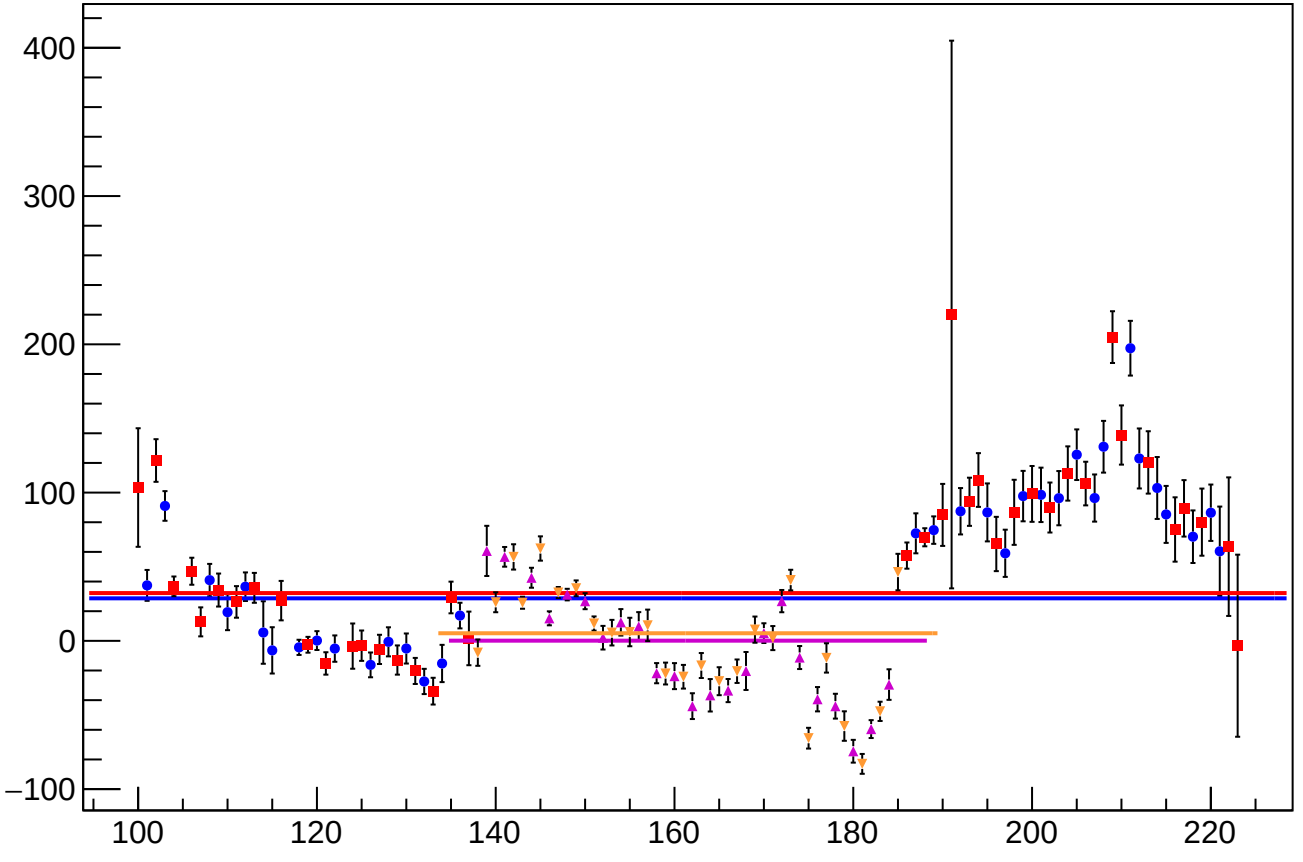
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -425.104+/-1.261 χ^2/NDF: 7773.5/58

All: -432.479+/-0.888 χ^2/NDF: 17786.3/120

- sign -439.733+/-1.251 χ^2/NDF: 9944.9/61

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 28.672+/-1.960 χ^2/NDF: 564.5/33

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 32.230+/-1.855 χ^2/NDF: 603.6/38

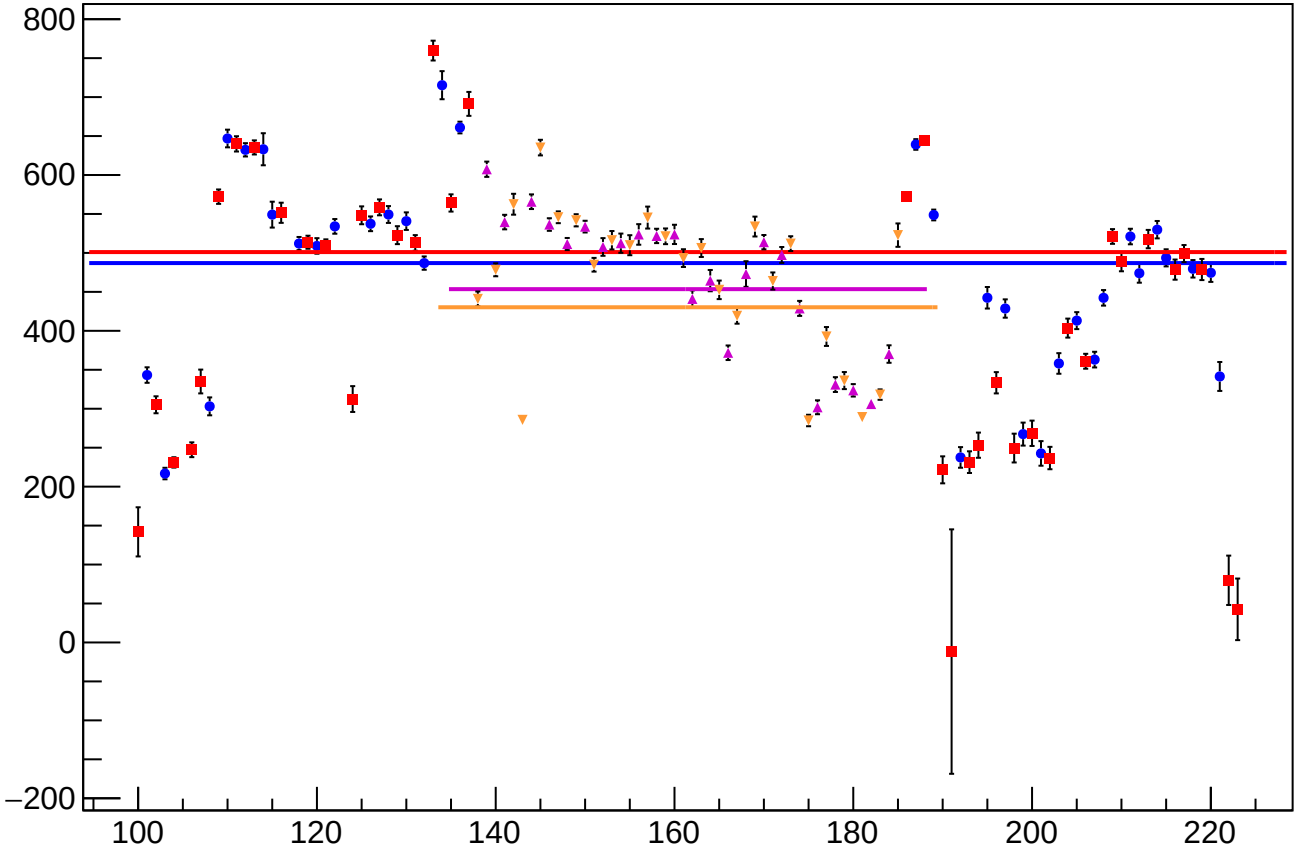
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 12.920+/-1.128 χ^2/NDF: 1350.2/58

All: 12.818+/-0.809 χ^2/NDF: 2704.6/120

- sign 12.709+/-1.161 χ^2/NDF: 1354.3/61

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 486.959+/-1.781 χ^2/NDF: 5005.5/33

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 501.072+/-1.626 χ^2/NDF: 8393.3/38

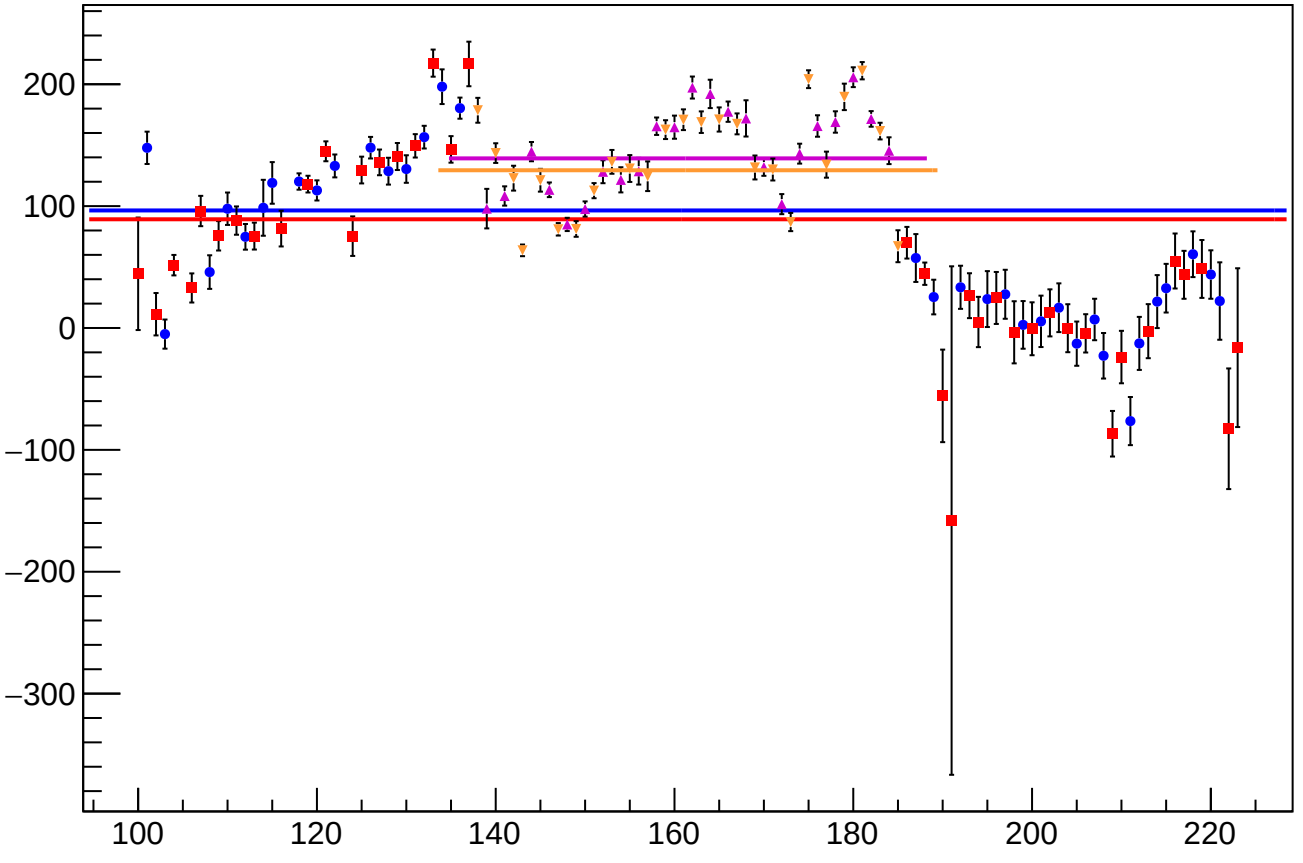
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 459.851+/-1.287 χ^2/NDF: 8895.5/58

All: 471.123+/-0.898 χ^2/NDF: 20204.4/120

- sign 481.845+/-1.255 χ^2/NDF: 11159.1/61

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 96.452+/-2.280 χ^2/NDF: 741.8/33

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 89.192+/-2.196 χ^2/NDF: 775.2/38

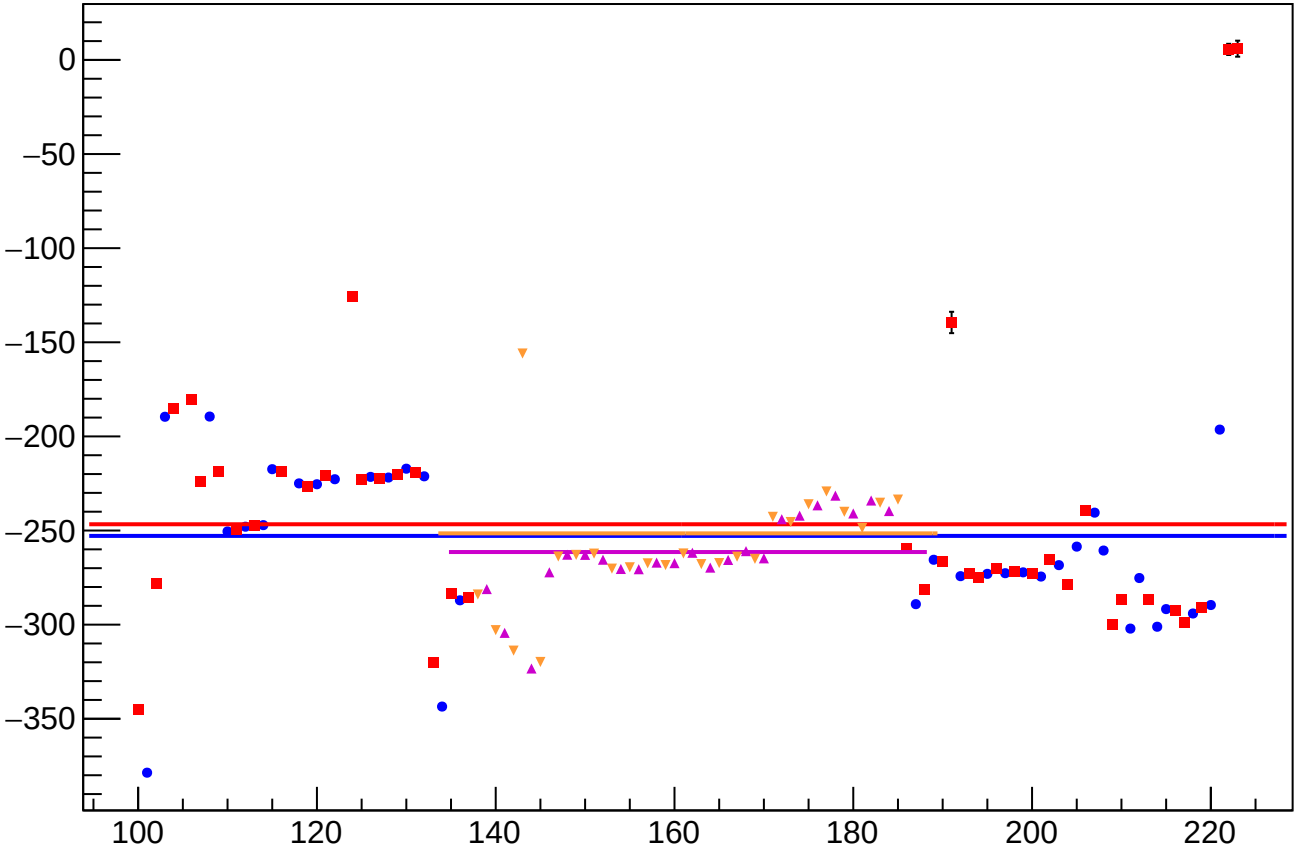
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 118.607+/-1.306 χ^2/NDF: 1696.6/58

All: 119.459+/-0.937 χ^2/NDF: 3230.0/120

- sign 120.366+/-1.347 χ^2/NDF: 1532.5/61

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -252.855+/-0.117 χ^2/NDF: 158679.3/33

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -246.669+/-0.114 χ^2/NDF: 134726.4/38

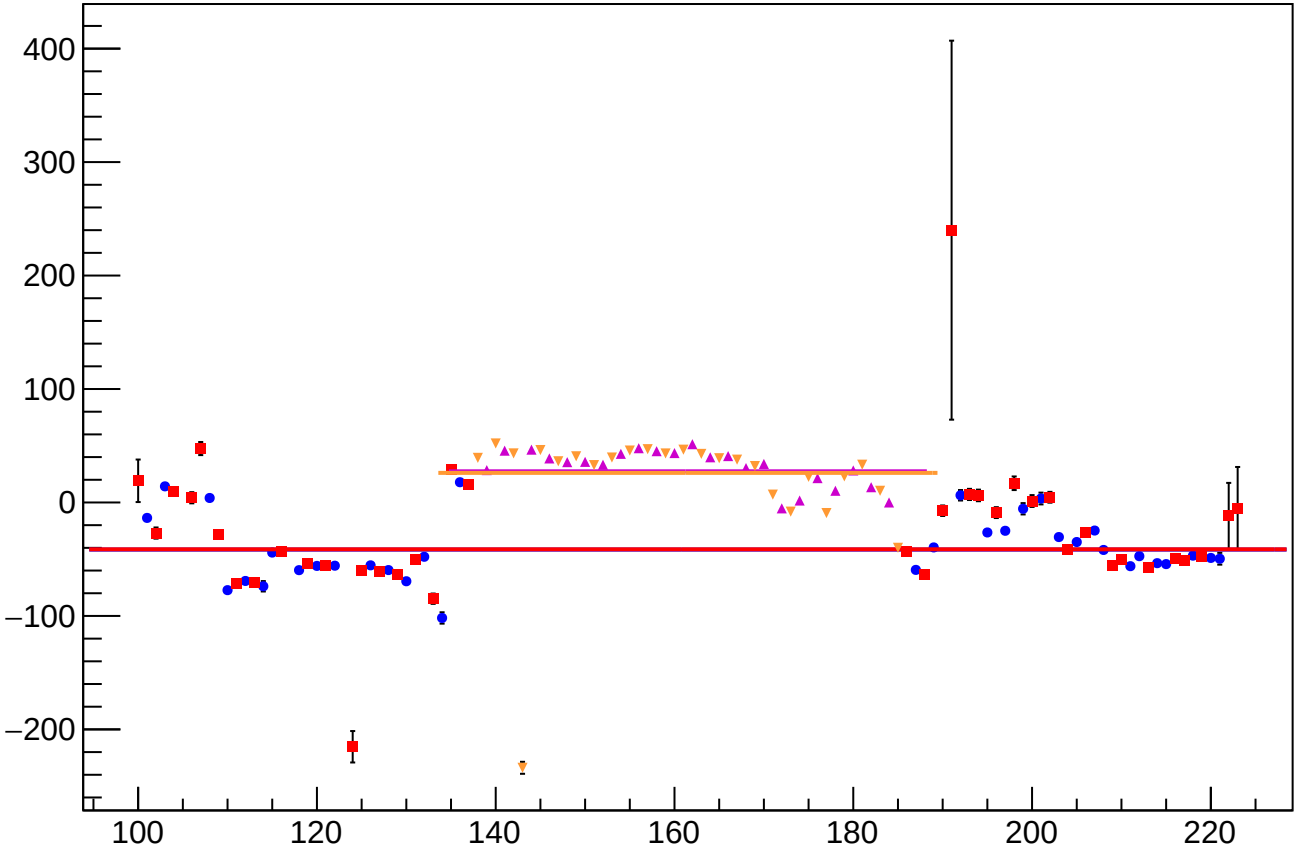
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.899+/-0.063 χ^2/NDF: 413698.4/58

All: -254.248+/-0.045 χ^2/NDF: 632331.5/120

- sign -256.702+/-0.064 χ^2/NDF: 215775.1/61

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.523+/-0.520 χ^2/NDF: 2855.1/33

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.283+/-0.486 χ^2/NDF: 3379.7/38

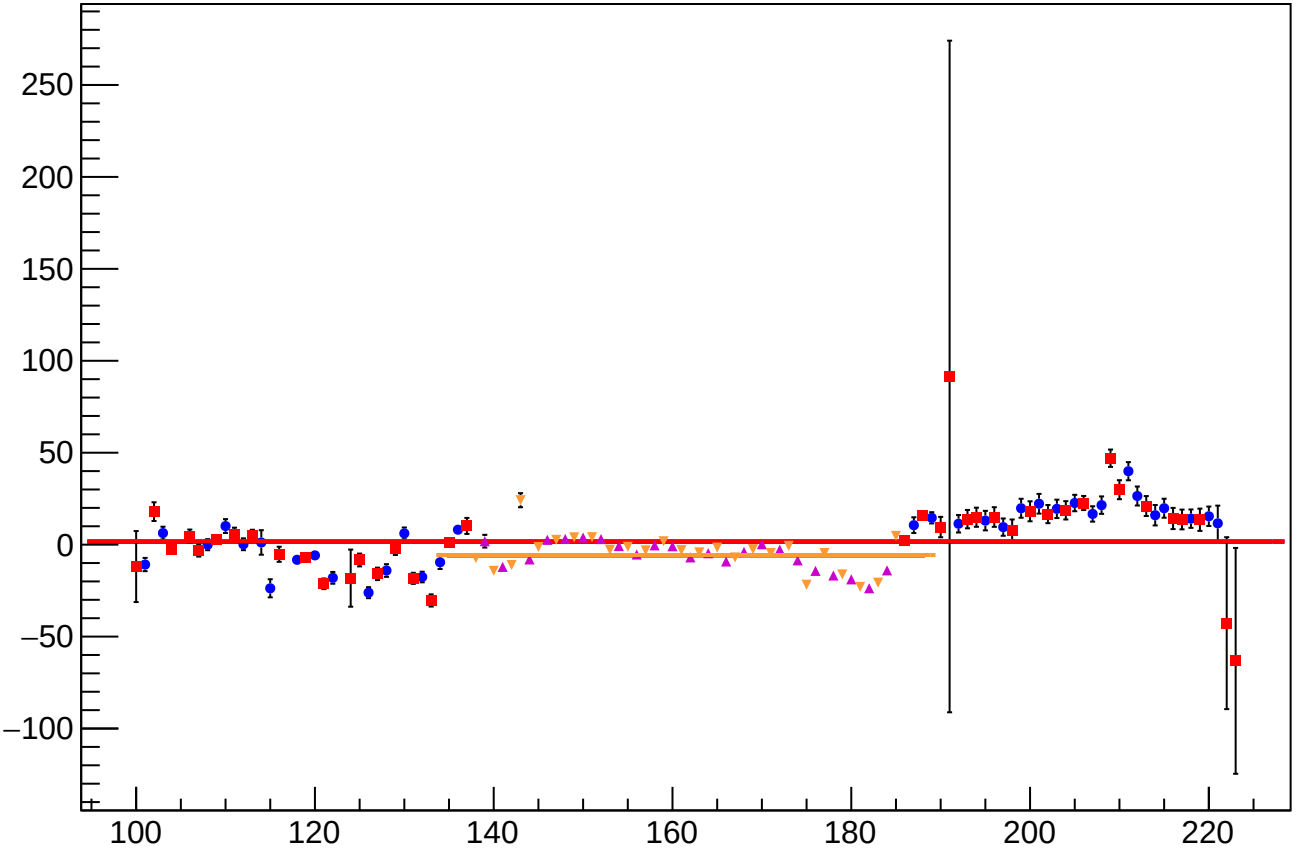
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 1.751+/-0.312 χ^2/NDF: 18475.1/58

All: 0.897+/-0.219 χ^2/NDF: 35502.0/120

- sign 0.070+/-0.307 χ^2/NDF: 17012.2/61

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.553+/-0.626 χ^2/NDF: 534.5/33

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.937+/-0.592 χ^2/NDF: 562.5/38

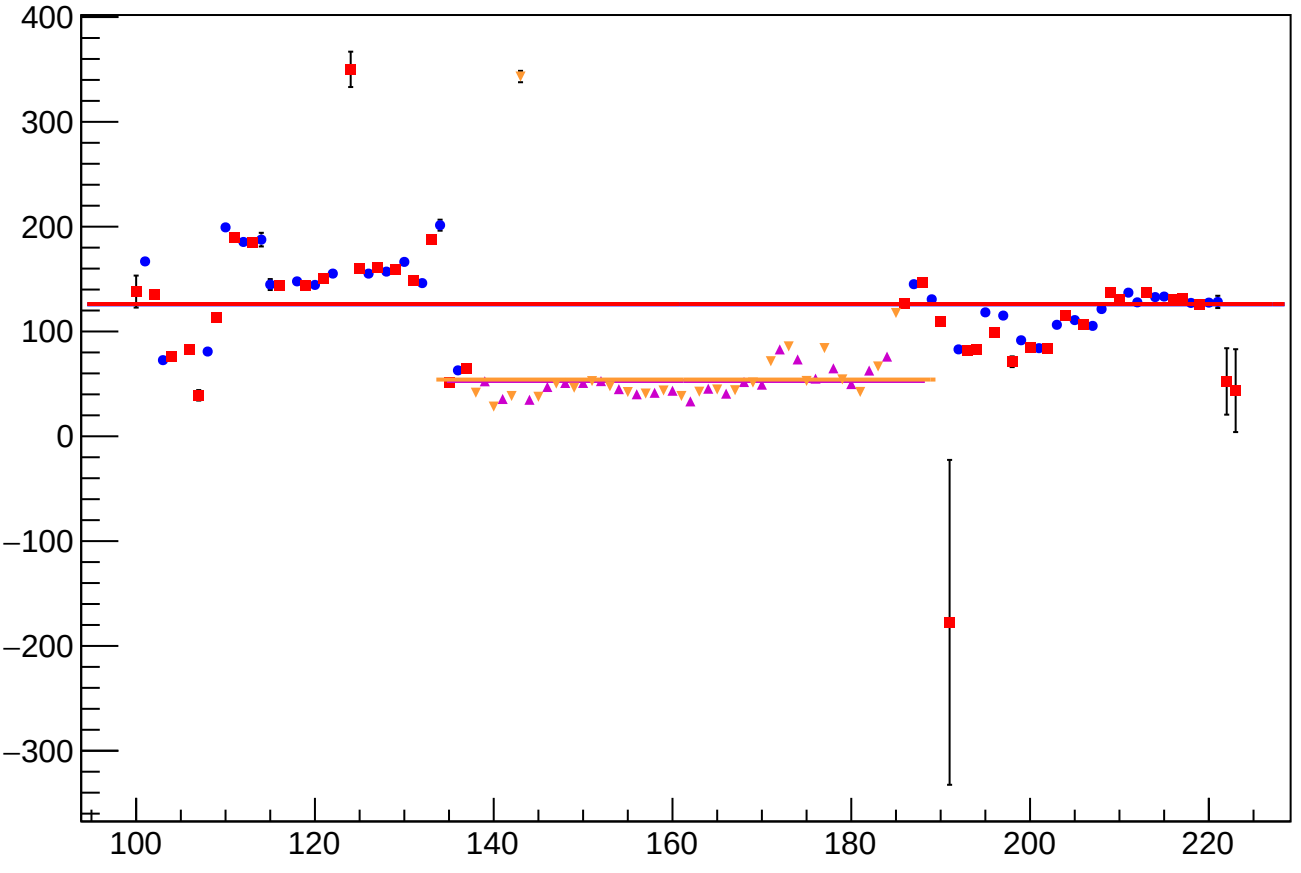
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -4.272+/-0.272 χ^2/NDF: 1534.4/58

All: -4.263+/-0.193 χ^2/NDF: 2948.1/120

- sign -4.254+/-0.274 χ^2/NDF: 1413.7/61

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.867+/-0.539 χ^2/NDF: 4149.0/33

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.203+/-0.495 χ^2/NDF: 4469.8/38

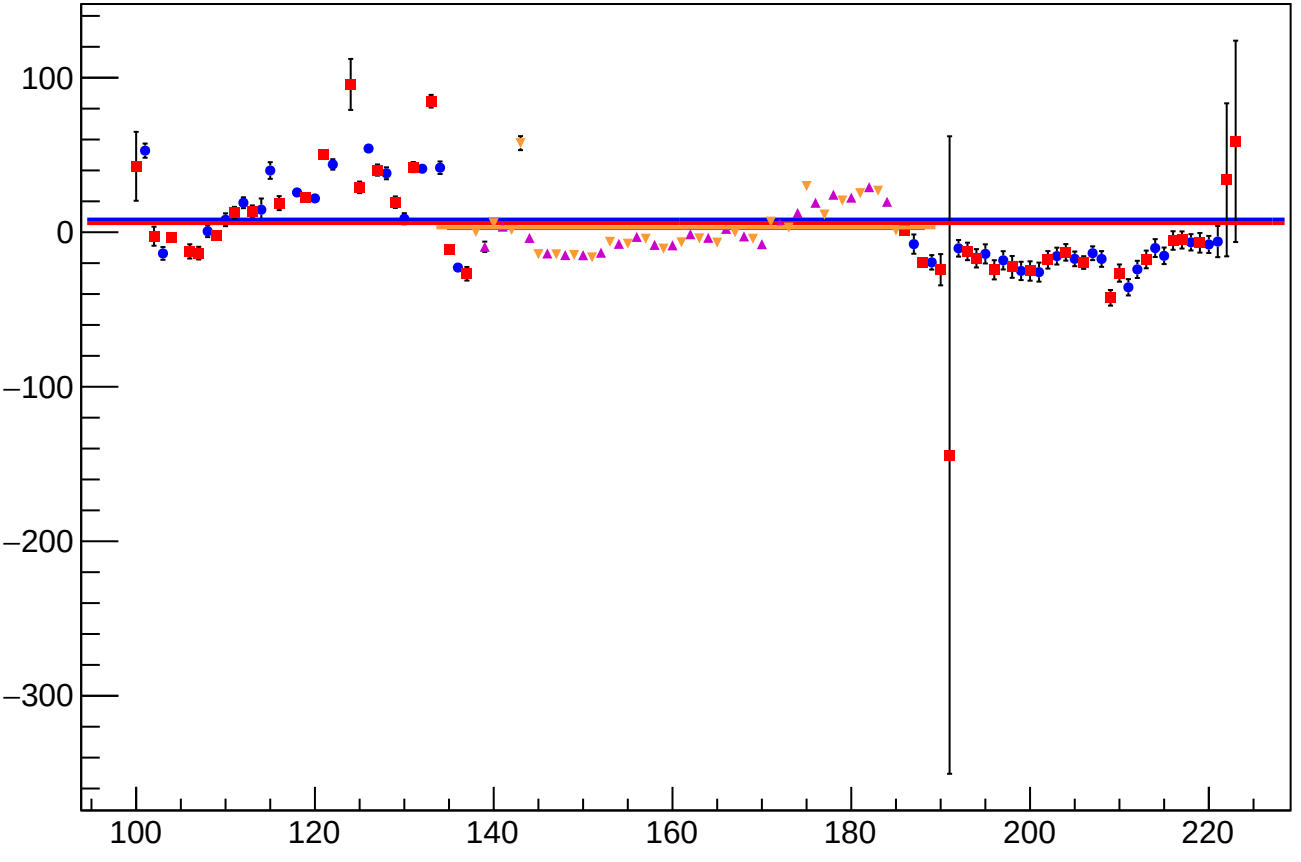
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 78.549+/-0.315 χ^2/NDF: 20424.9/58

All: 79.882+/-0.220 χ^2/NDF: 39414.7/120

- sign 81.158+/-0.308 χ^2/NDF: 18954.6/61

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 8.191+/-0.717 χ^2/NDF: 1411.5/33

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 5.913+/-0.696 χ^2/NDF: 1480.6/38

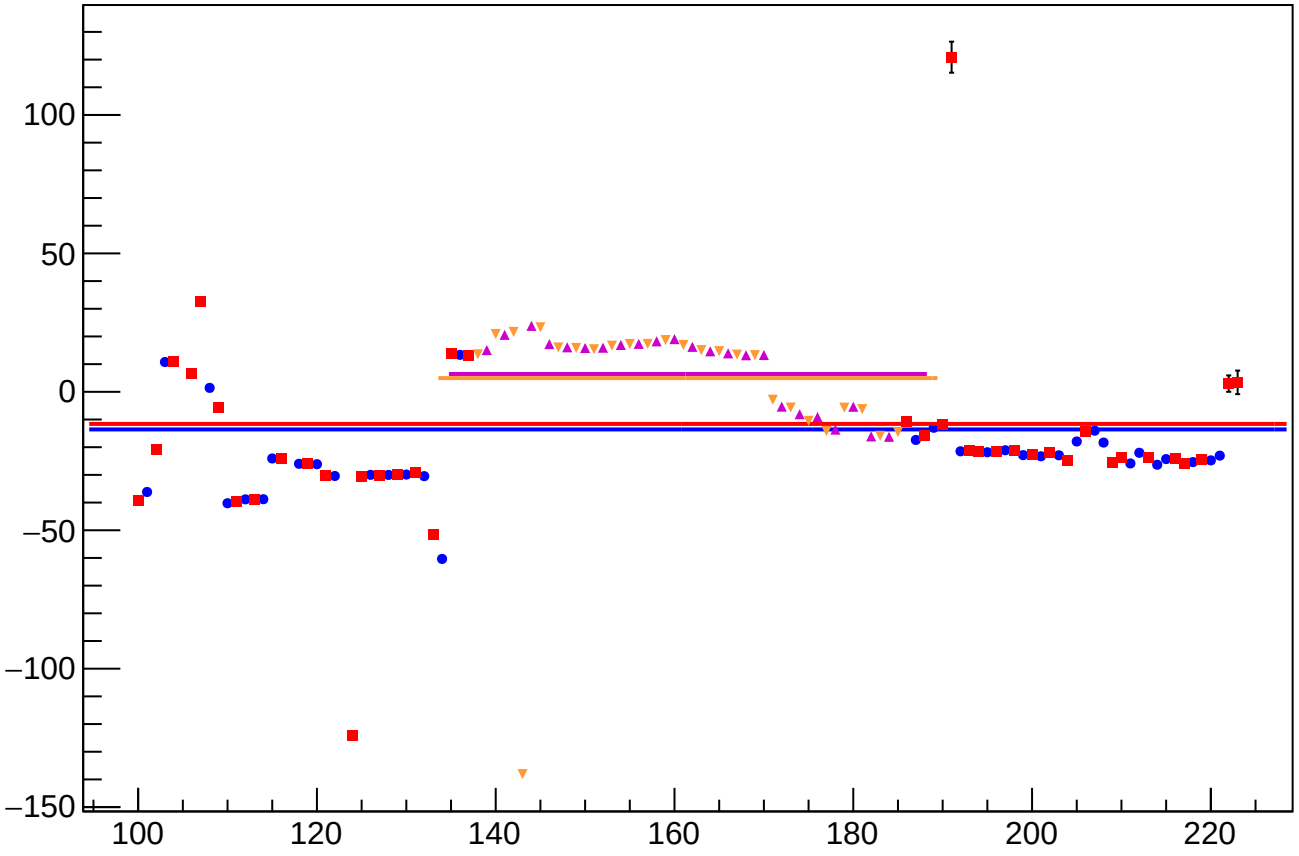
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.079+/-0.307 χ^2/NDF: 3464.2/58

All: 3.721+/-0.218 χ^2/NDF: 6699.6/120

- sign 3.356+/-0.310 χ^2/NDF: 3232.6/61

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -13.585+/-0.034 χ^2/NDF: 306776.4/33

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.590+/-0.034 χ^2/NDF: 287078.4/38

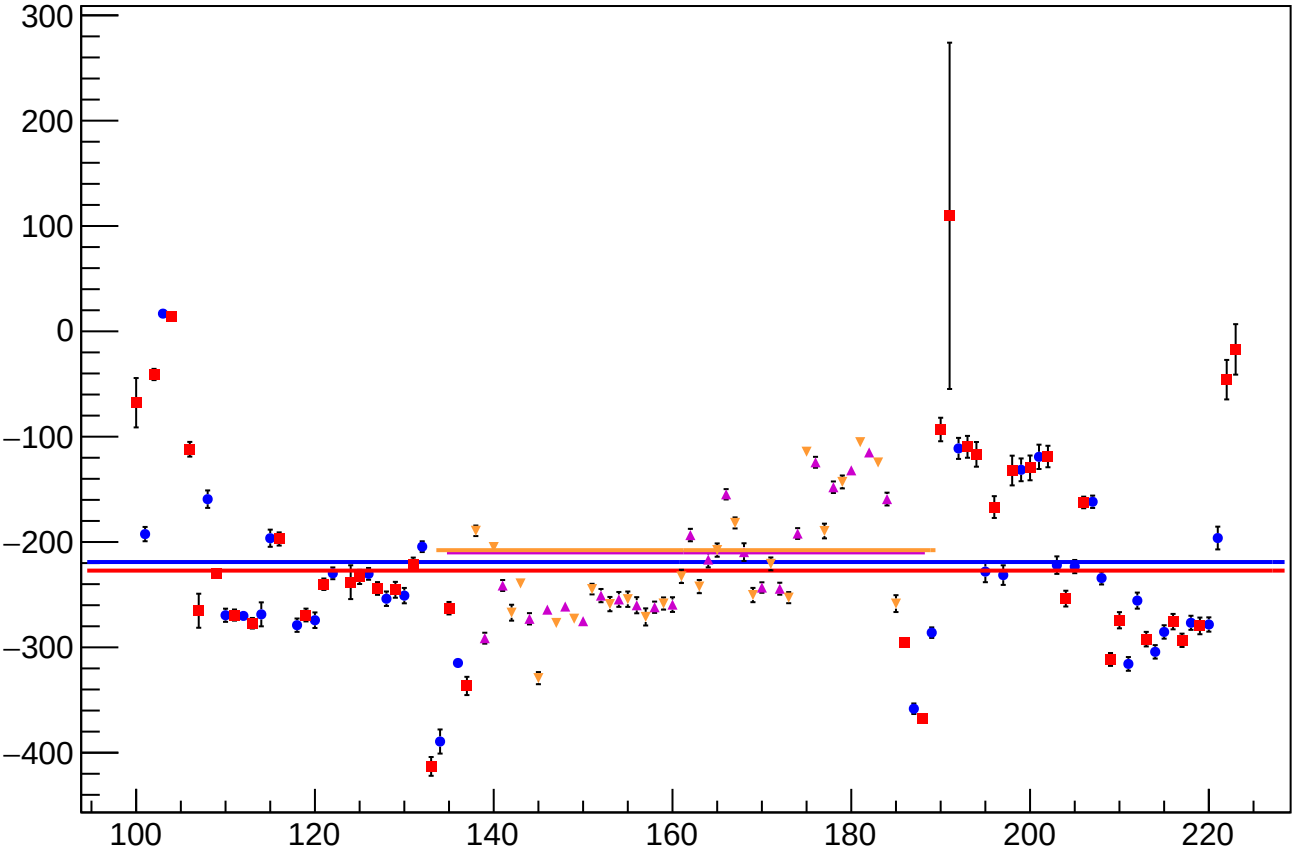
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 1.913+/-0.014 χ^2/NDF: 1685918.4/58

All: 2.684+/-0.010 χ^2/NDF: 2937248.4/120

- sign 3.465+/-0.014 χ^2/NDF: 1245158.0/61

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -218.994+/-1.077 χ^2/NDF: 9610.0/33

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -227.138+/-1.015 χ^2/NDF: 13038.6/38

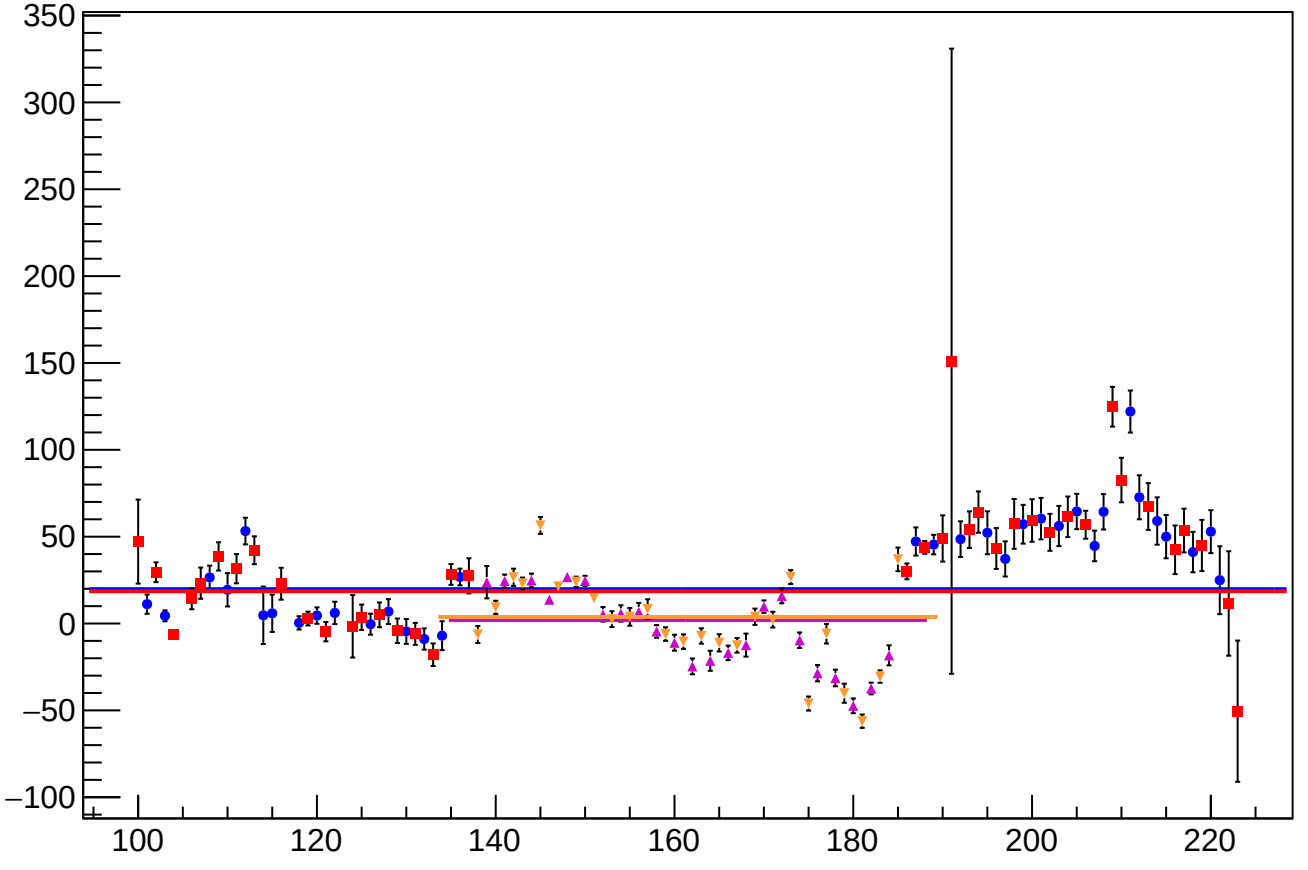
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -213.332+/-0.759 χ^2/NDF: 13152.1/58

All: -216.322+/-0.532 χ^2/NDF: 29365.9/120

- sign -219.212+/-0.746 χ^2/NDF: 16183.3/61

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.766+/-1.238 χ^2/NDF: 392.7/33

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.604+/-1.135 χ^2/NDF: 525.1/38

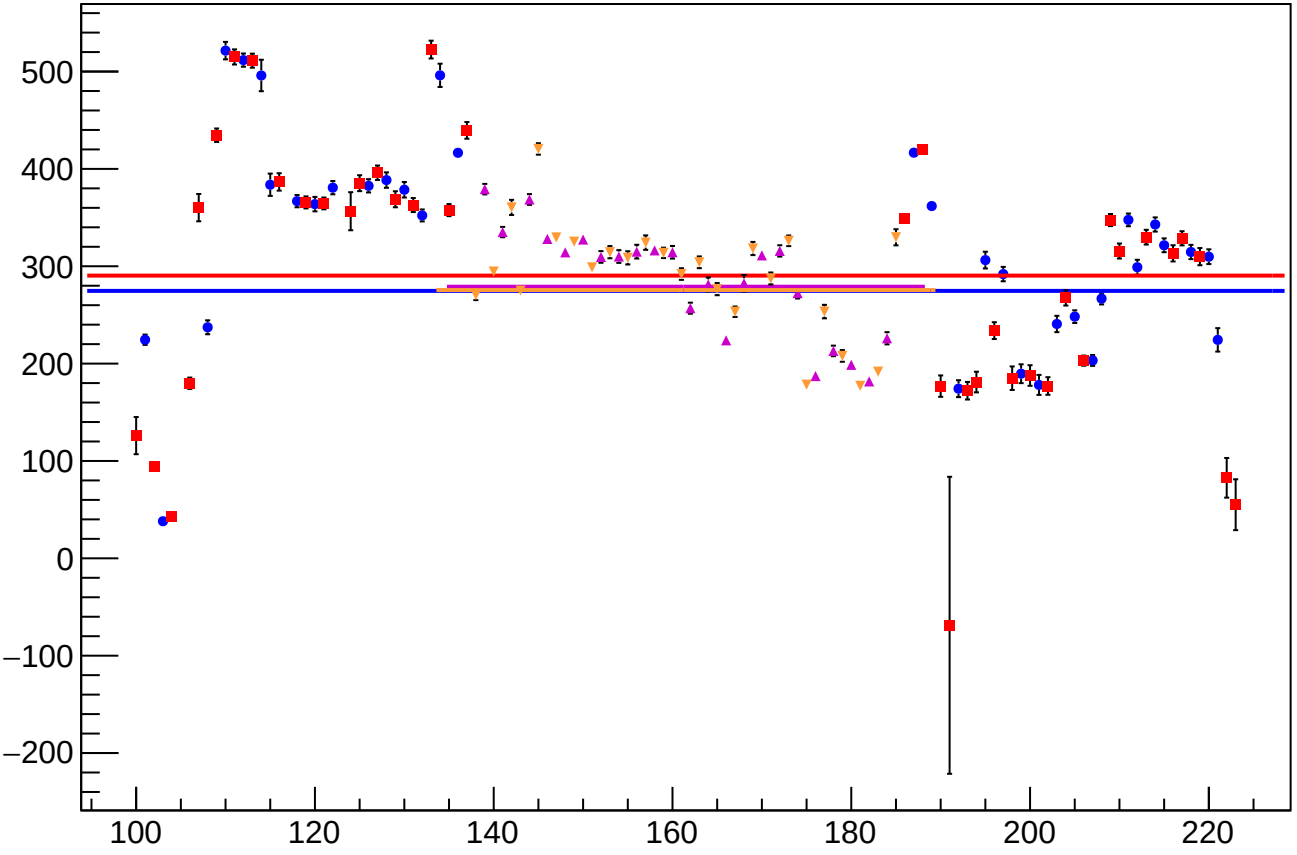
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 8.377+/-0.664 χ^2/NDF: 1483.7/58

All: 8.060+/-0.470 χ^2/NDF: 2918.6/120

- sign 7.743+/-0.665 χ^2/NDF: 1434.5/61

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 274.693+/-1.056 χ^2/NDF: 18118.0/33

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.401+/-0.966 χ^2/NDF: 22516.5/38

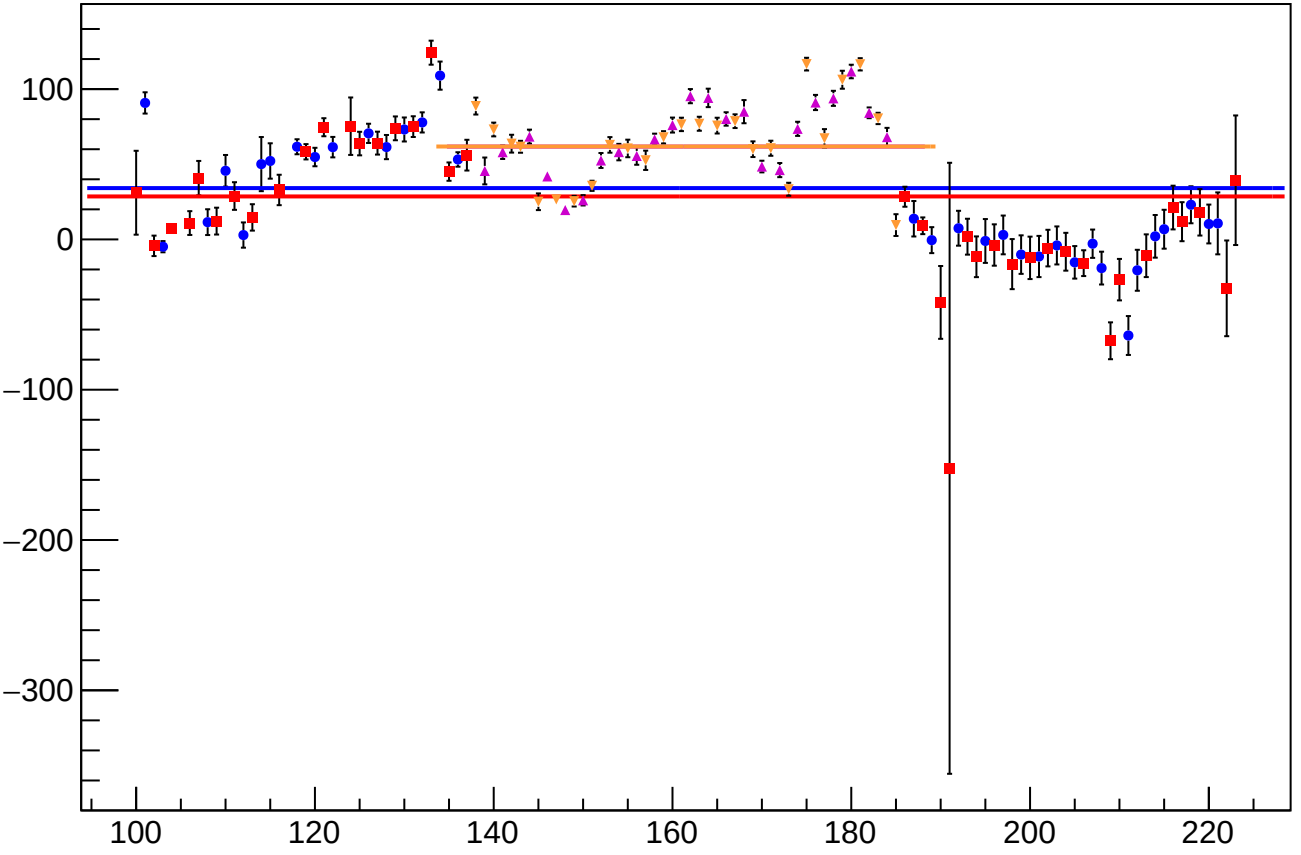
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.112+/-0.749 χ^2/NDF: 21441.5/58

All: 280.426+/-0.520 χ^2/NDF: 47231.5/120

- sign 285.375+/-0.723 χ^2/NDF: 25692.7/61

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 34.141+/-1.441 χ^2/NDF: 662.9/33

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 28.591+/-1.367 χ^2/NDF: 651.0/38

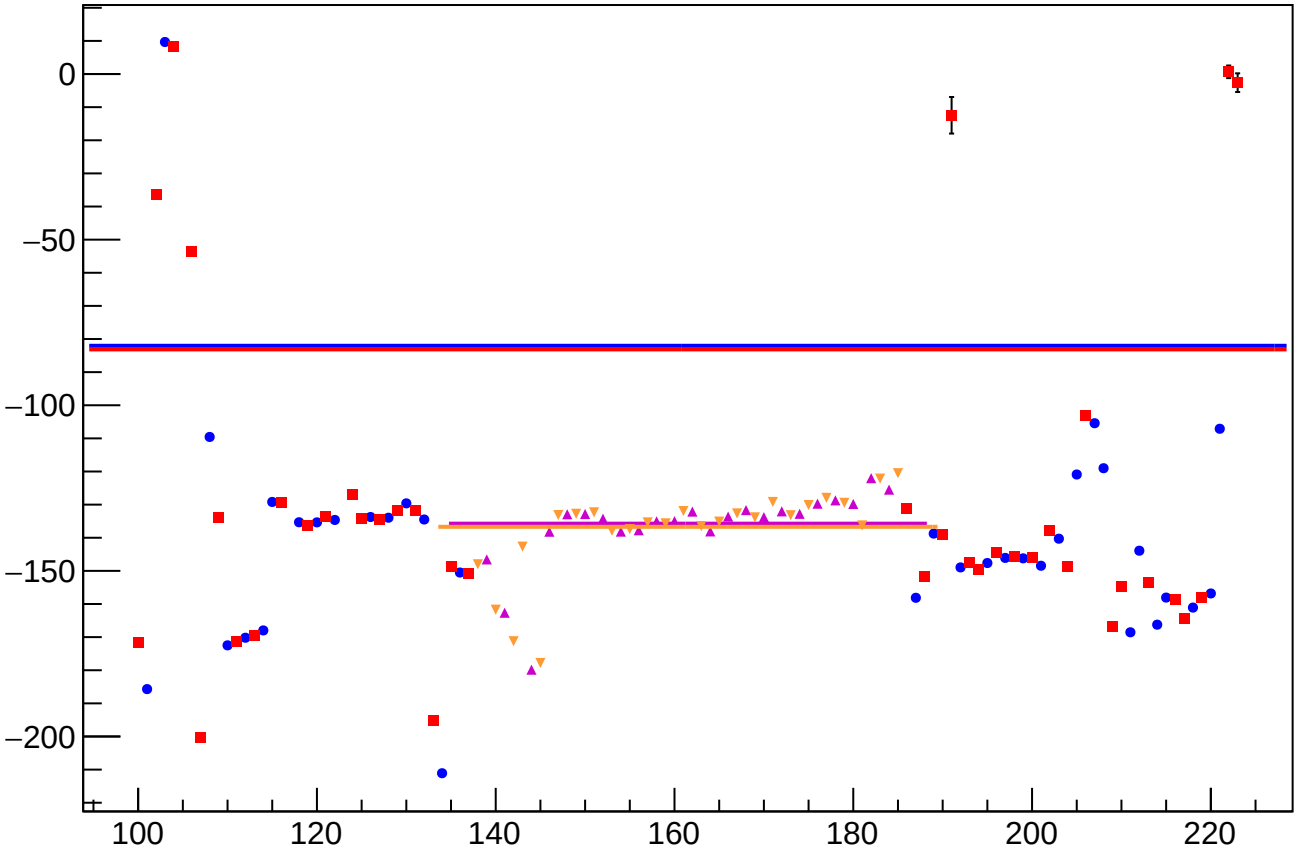
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 53.960+/-0.768 χ^2/NDF: 1886.4/58

All: 52.556+/-0.545 χ^2/NDF: 3680.5/120

- sign 51.130+/-0.774 χ^2/NDF: 1787.3/61

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -82.042+/-0.061 χ^2/NDF: 1605563.8/33

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -83.134+/-0.062 χ^2/NDF: 1291928.8/38

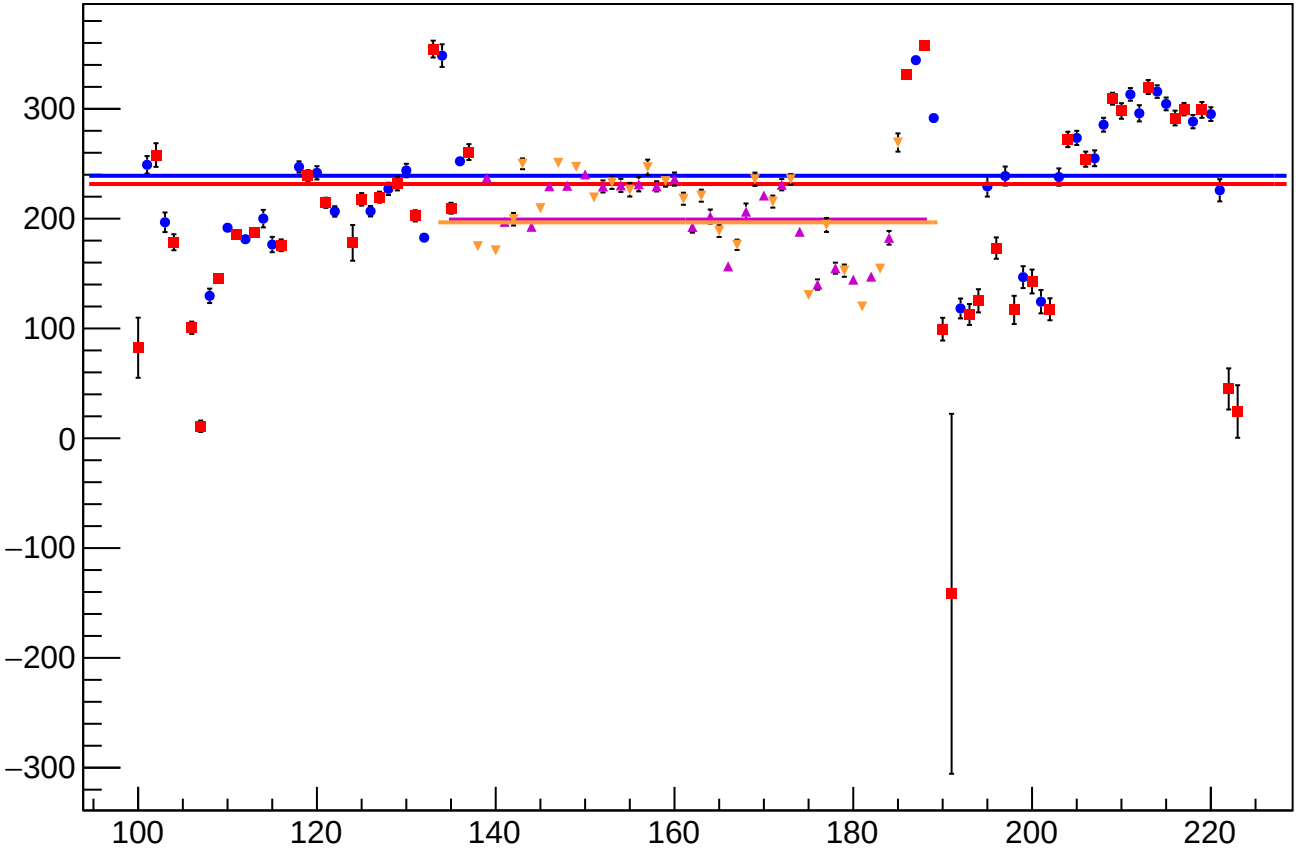
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -119.153+/-0.035 χ^2/NDF: 2221736.3/58

All: -118.946+/-0.025 χ^2/NDF: 4065856.6/12

- sign -118.735+/-0.035 χ^2/NDF: 1844049.2/61

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 239.042+/-0.998 χ^2/NDF: 3068.9/33

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 231.524+/-0.912 χ^2/NDF: 9233.6/38

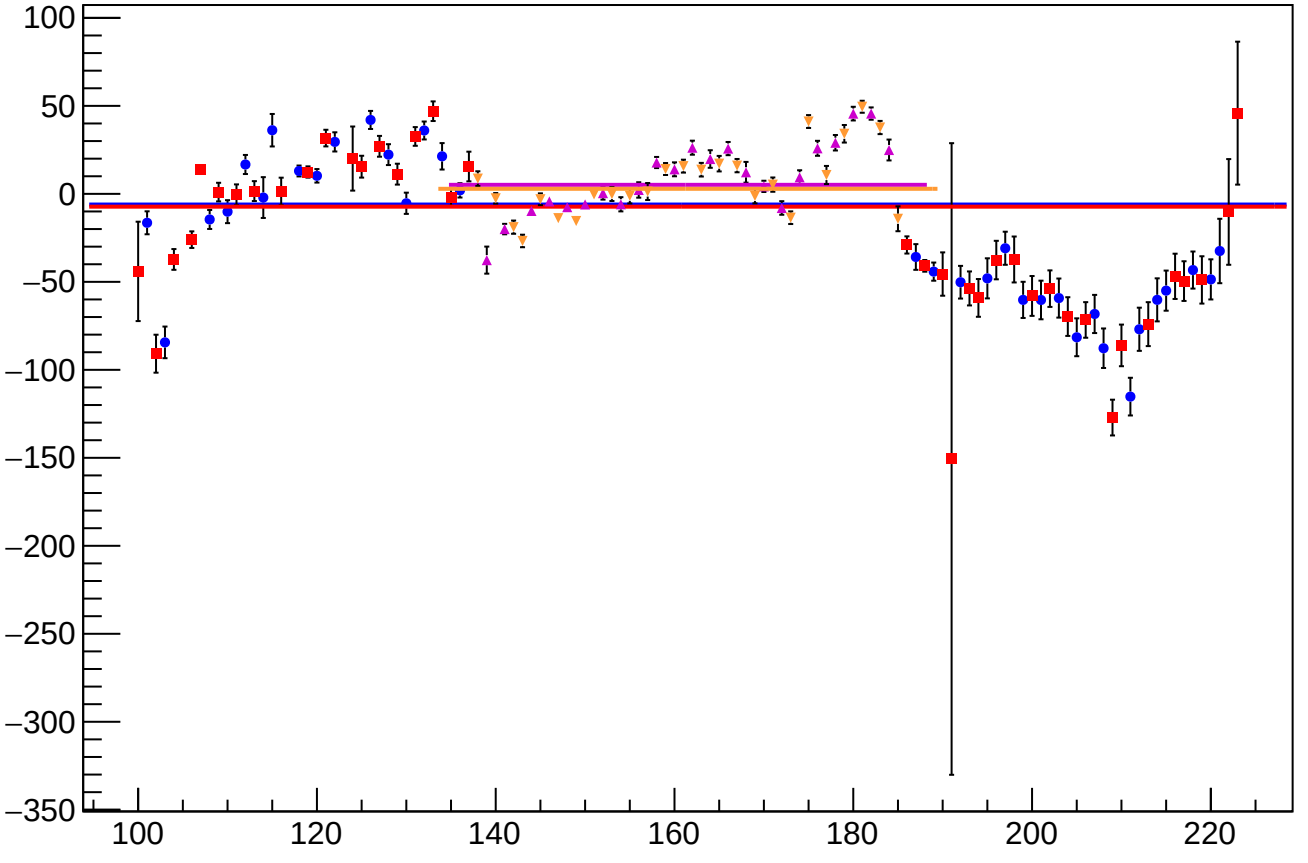
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 216.693+/-0.687 χ^2/NDF: 6095.5/58

All: 216.529+/-0.478 χ^2/NDF: 17213.0/120

\- sign 216.376+/-0.665 χ^2/NDF: 11117.4/61

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.071+/-1.154 χ^2/NDF: 942.9/33

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -7.275+/-1.043 χ^2/NDF: 1040.3/38

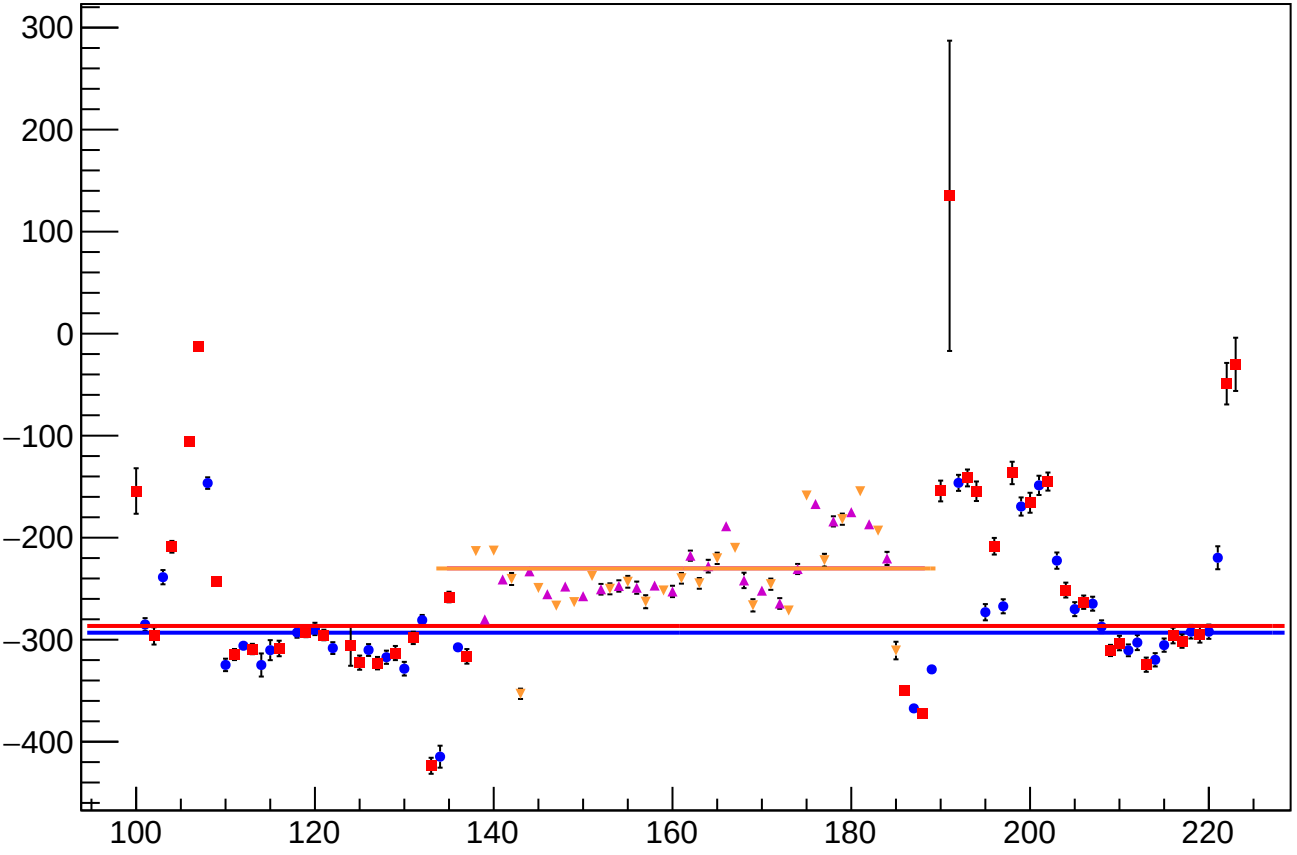
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 0.502+/-0.594 χ^2/NDF: 1739.8/58

All: 0.822+/-0.419 χ^2/NDF: 3505.2/120

- sign 1.139+/-0.591 χ^2/NDF: 1764.8/61

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -293.141+/-1.047 χ^2/NDF: 2453.6/33

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.536+/-0.928 χ^2/NDF: 10215.4/38

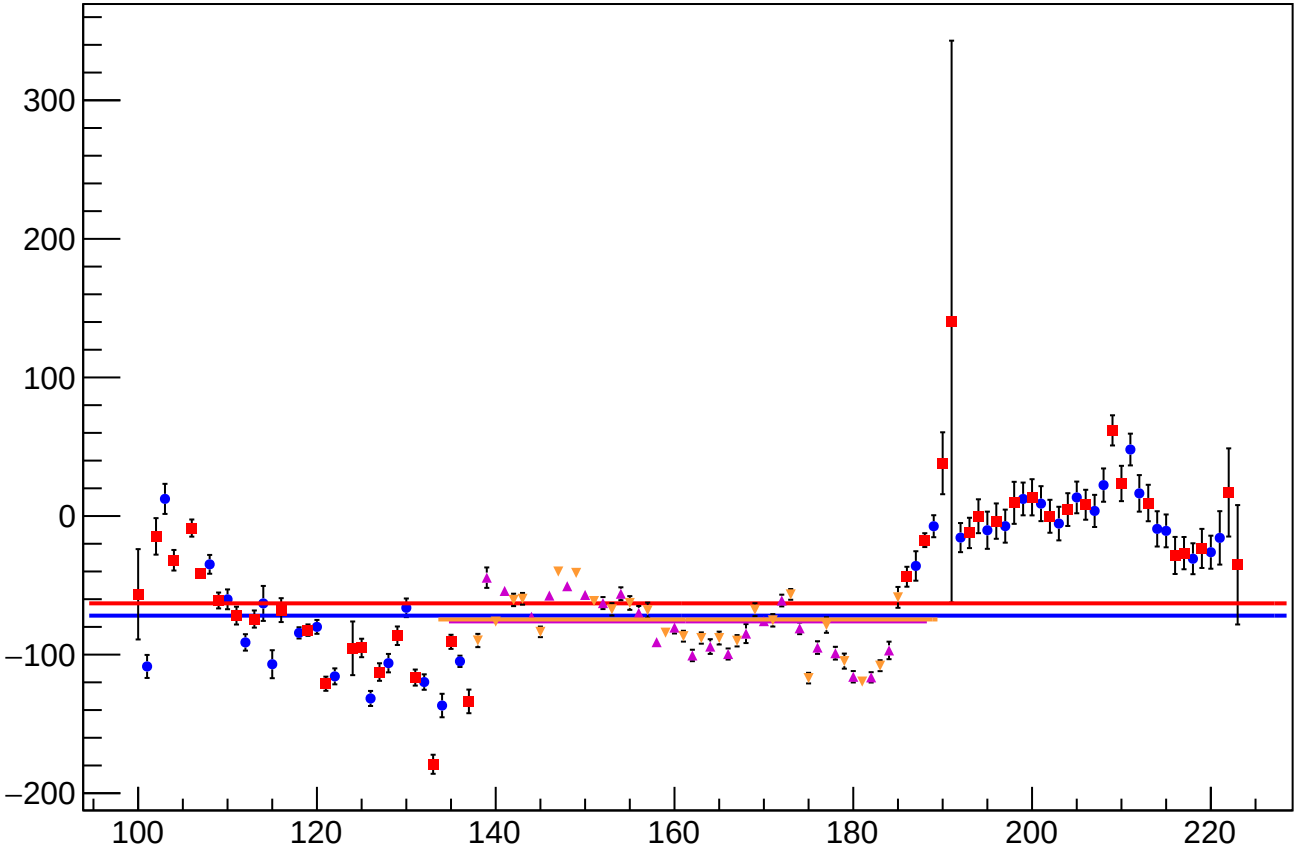
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -258.257+/-0.699 χ^2/NDF: 6640.3/58

All: -258.798+/-0.483 χ^2/NDF: 19739.7/120

- sign -259.292+/-0.667 χ^2/NDF: 13098.3/61

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -71.877+/-1.339 χ^2/NDF: 1231.2/33

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -63.005+/-1.242 χ^2/NDF: 1449.5/38

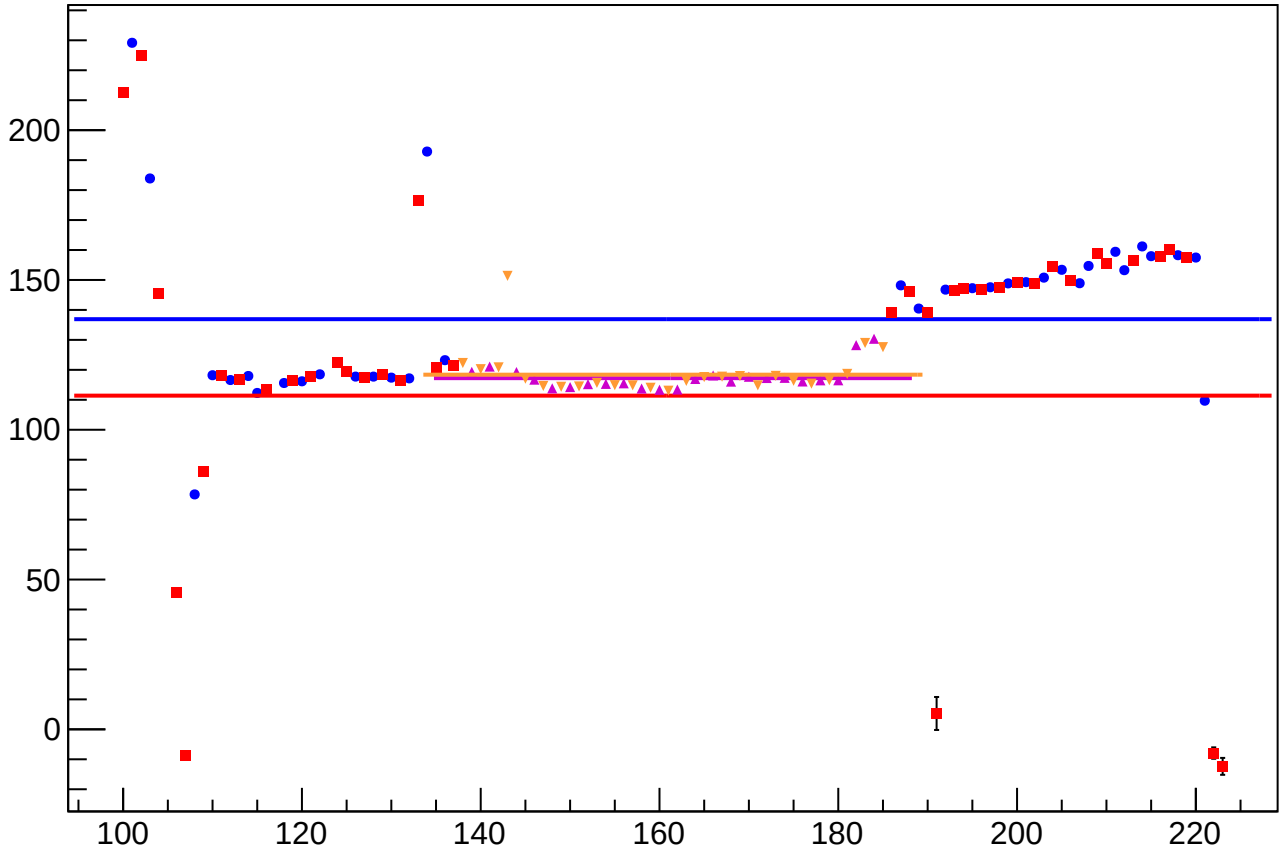
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

\+ sign -73.915+/-0.687 χ^2/NDF: 2065.3/58

All: -72.978+/-0.486 χ^2/NDF: 4240.9/120

\- sign -72.043+/-0.687 χ^2/NDF: 2171.8/61

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 136.911+/-0.070 χ^2/NDF: 208326.5/33

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 111.386+/-0.064 χ^2/NDF: 799392.5/38

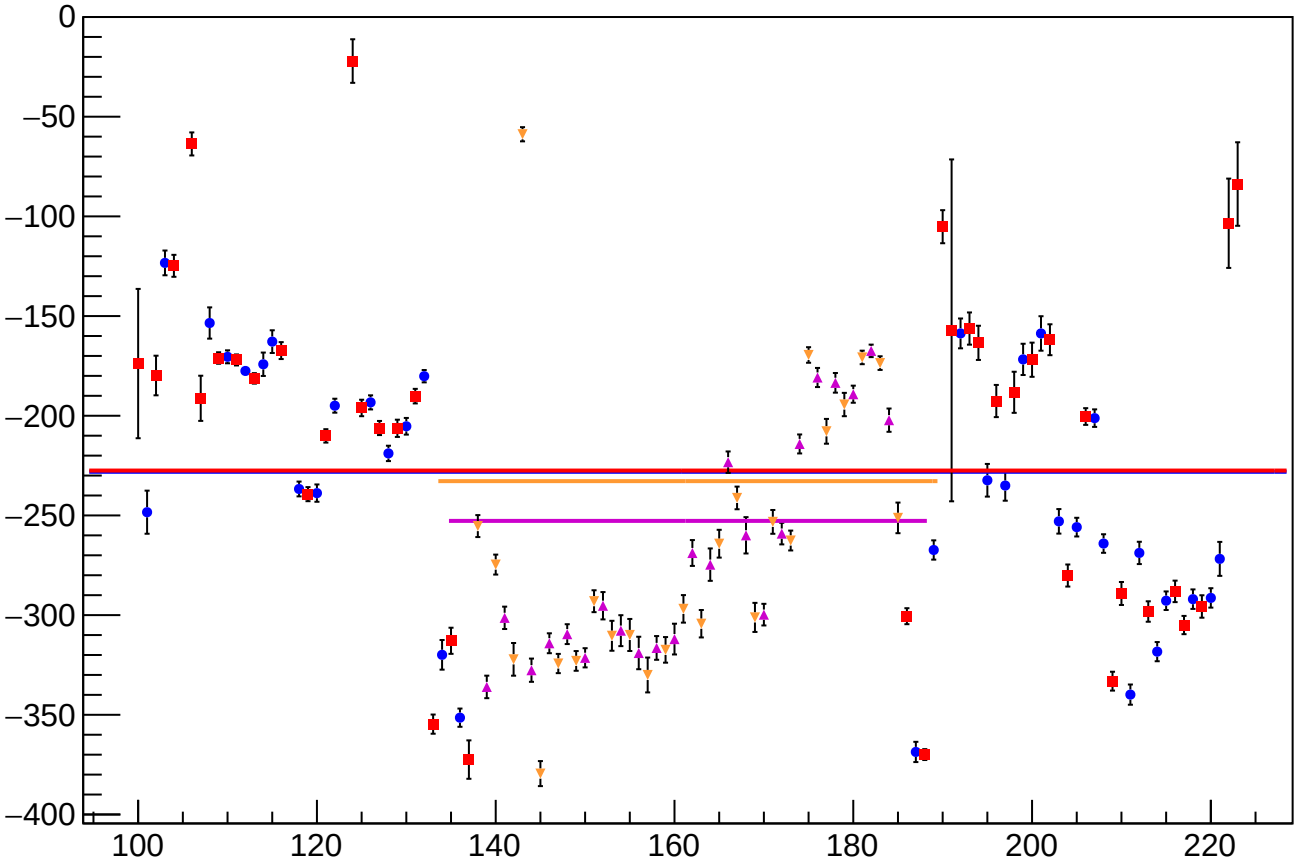
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 122.513+/-0.033 χ^2/NDF: 298350.4/58

All: 119.063+/-0.023 χ^2/NDF: 1135937.0/120

- sign 115.714+/-0.032 χ^2/NDF: 815860.9/61

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -228.112+/-0.805 χ^2/NDF: 5321.6/33

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -227.486+/-0.774 χ^2/NDF: 9312.3/38

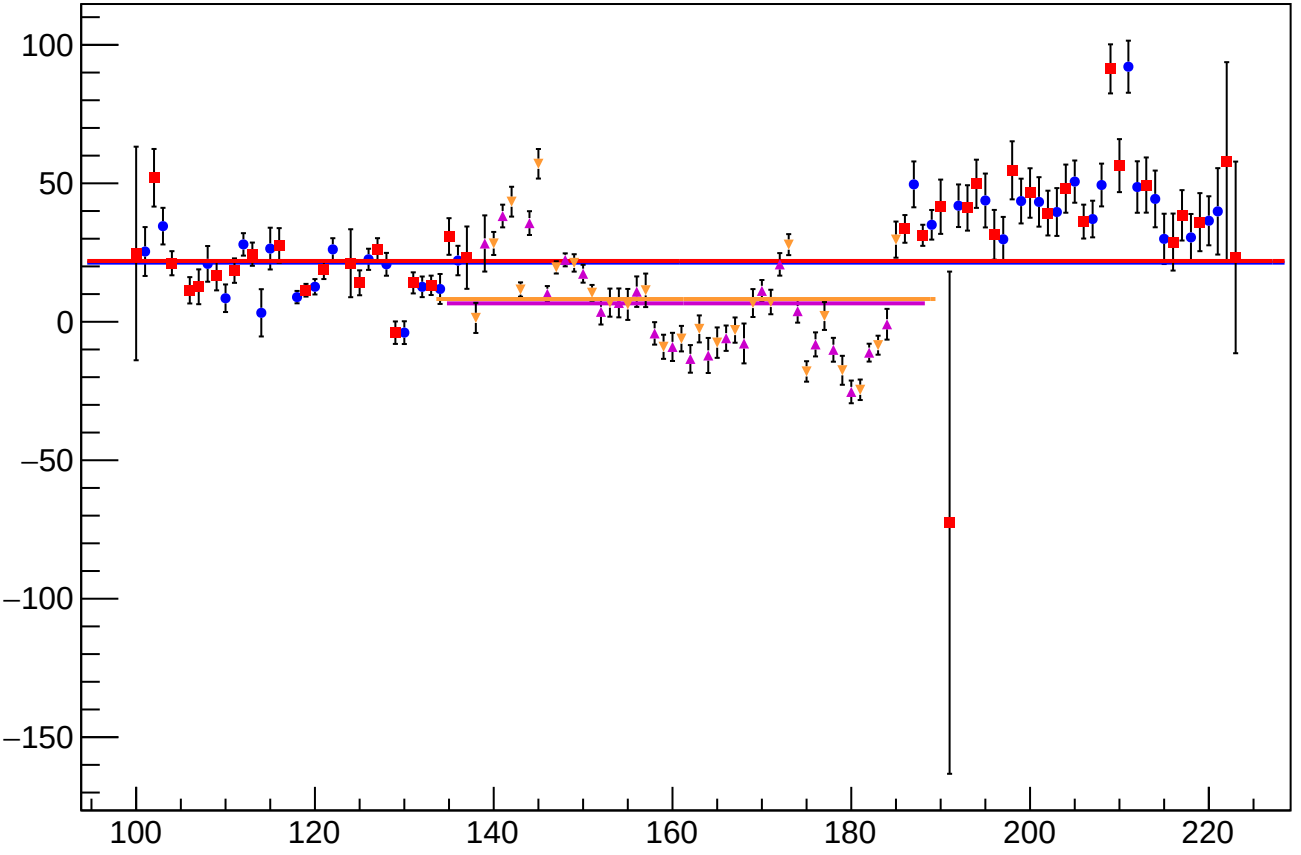
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -229.803+/-0.644 χ^2/NDF: 11097.8/58

All: -232.696+/-0.453 χ^2/NDF: 23703.7/120

- sign -235.543+/-0.639 χ^2/NDF: 12565.8/61

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 21.359+/-0.922 χ^2/NDF: 267.2/33

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.962+/-0.901 χ^2/NDF: 255.2/38

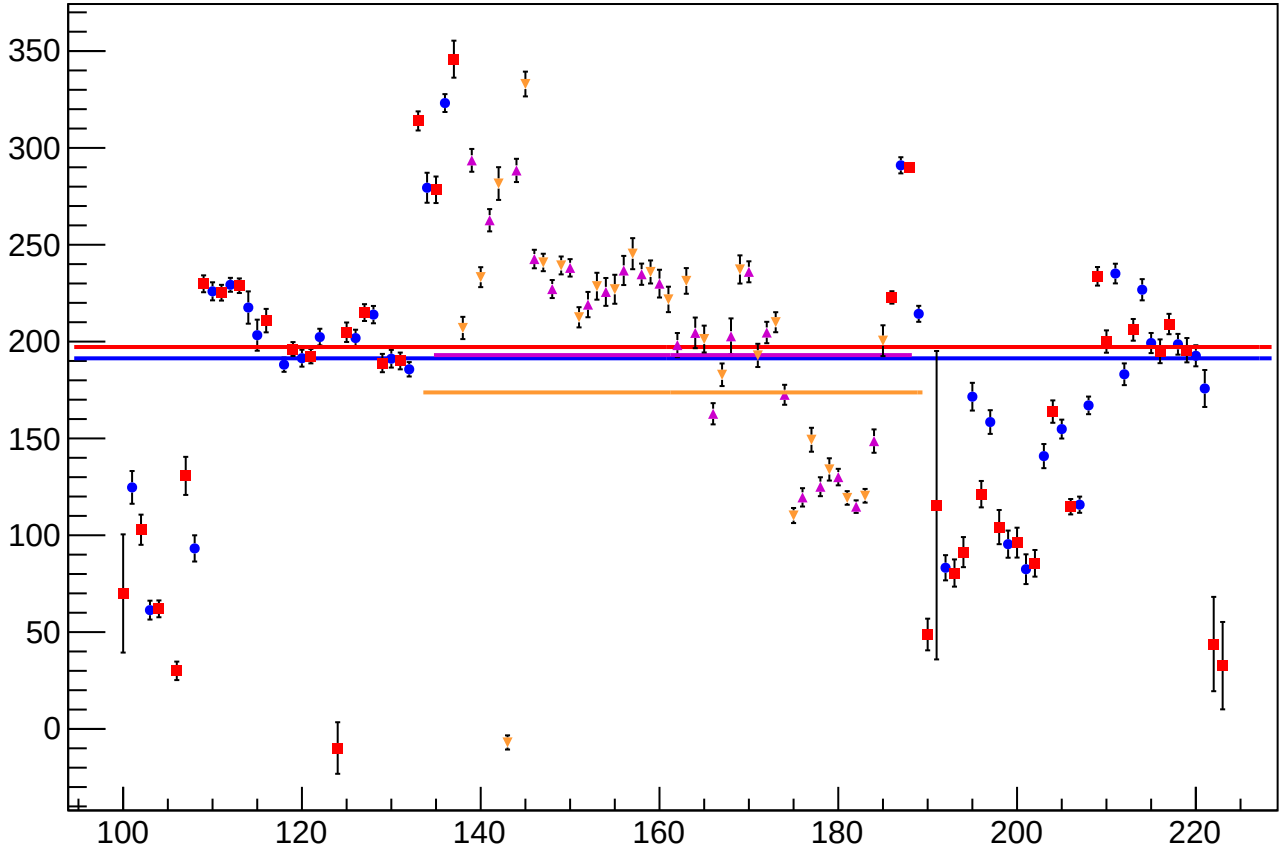
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 13.889+/-0.605 χ^2/NDF: 840.6/58

All: 13.915+/-0.434 χ^2/NDF: 1602.1/120

- sign 13.942+/-0.621 χ^2/NDF: 761.4/61

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 191.360+/-0.872 χ^2/NDF: 4054.8/33

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.200+/-0.824 χ^2/NDF: 7710.2/38

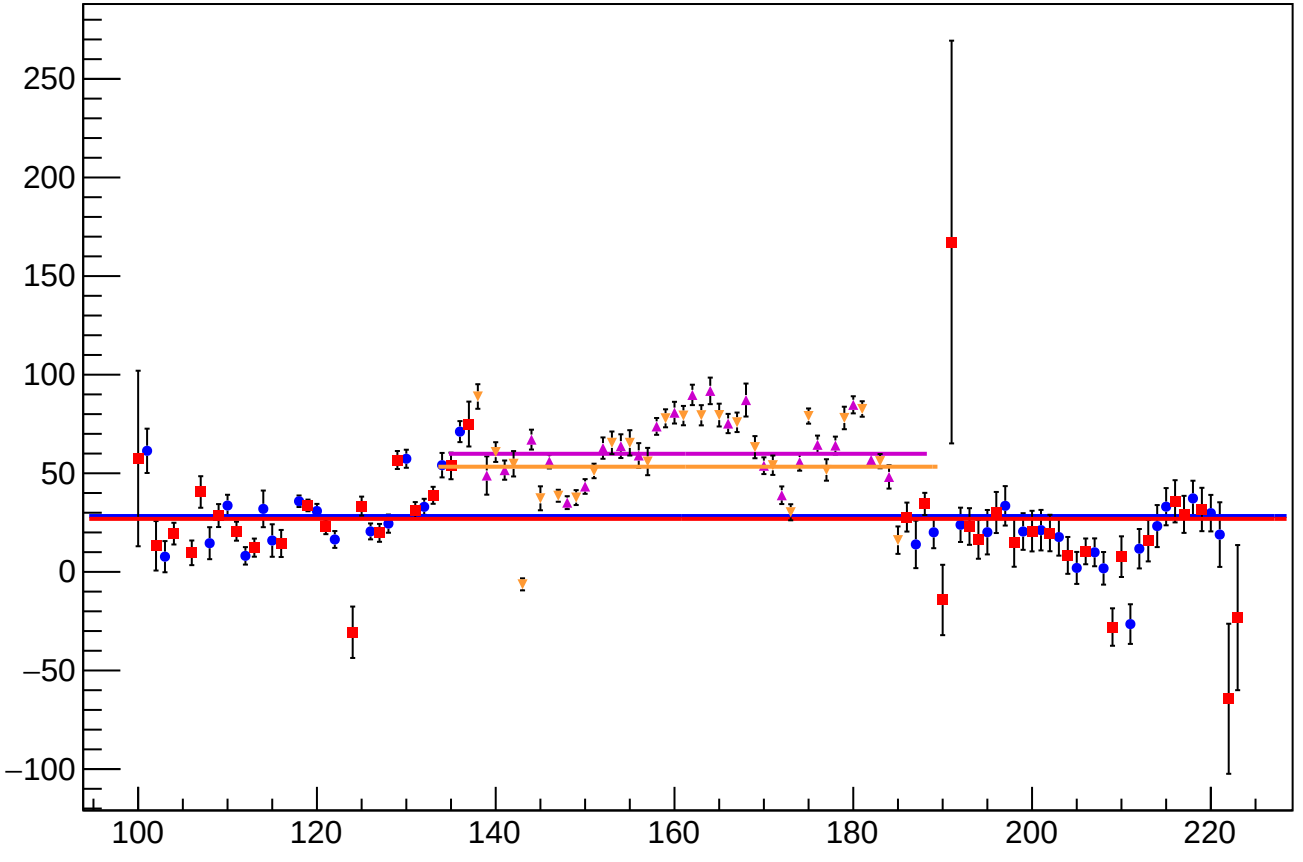
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 184.326+/-0.675 χ^2/NDF: 9478.6/58

All: 190.128+/-0.474 χ^2/NDF: 19854.9/120

- sign 195.738+/-0.664 χ^2/NDF: 10231.2/61

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.323+/-1.067 χ^2/NDF: 252.9/33

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.885+/-1.051 χ^2/NDF: 213.9/38

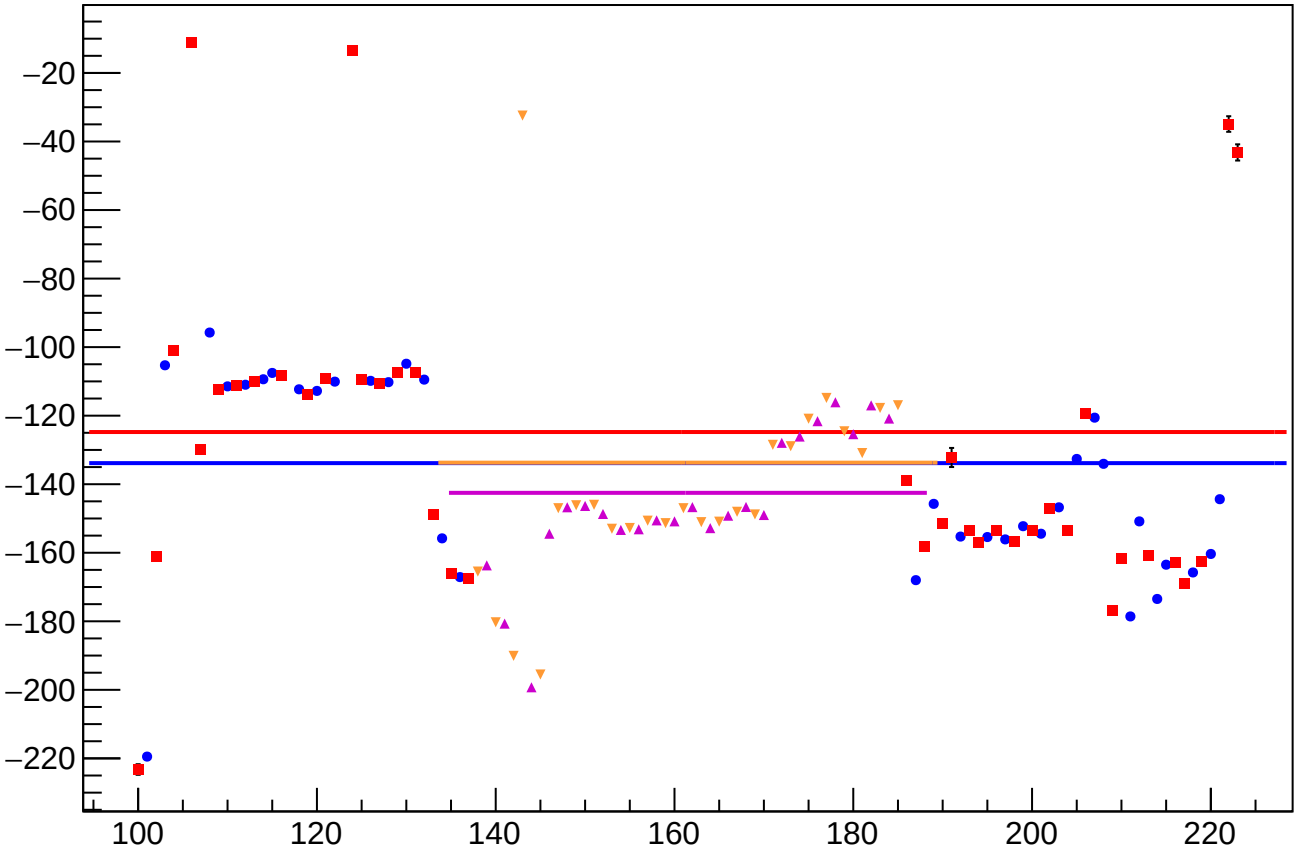
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 42.641+/-0.697 χ^2/NDF: 1346.5/58

All: 43.594+/-0.499 χ^2/NDF: 2344.2/120

- sign 44.597+/-0.716 χ^2/NDF: 993.9/61

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -133.848+/-0.059 χ^2/NDF: 201651.4/33

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -124.773+/-0.057 χ^2/NDF: 539158.4/38

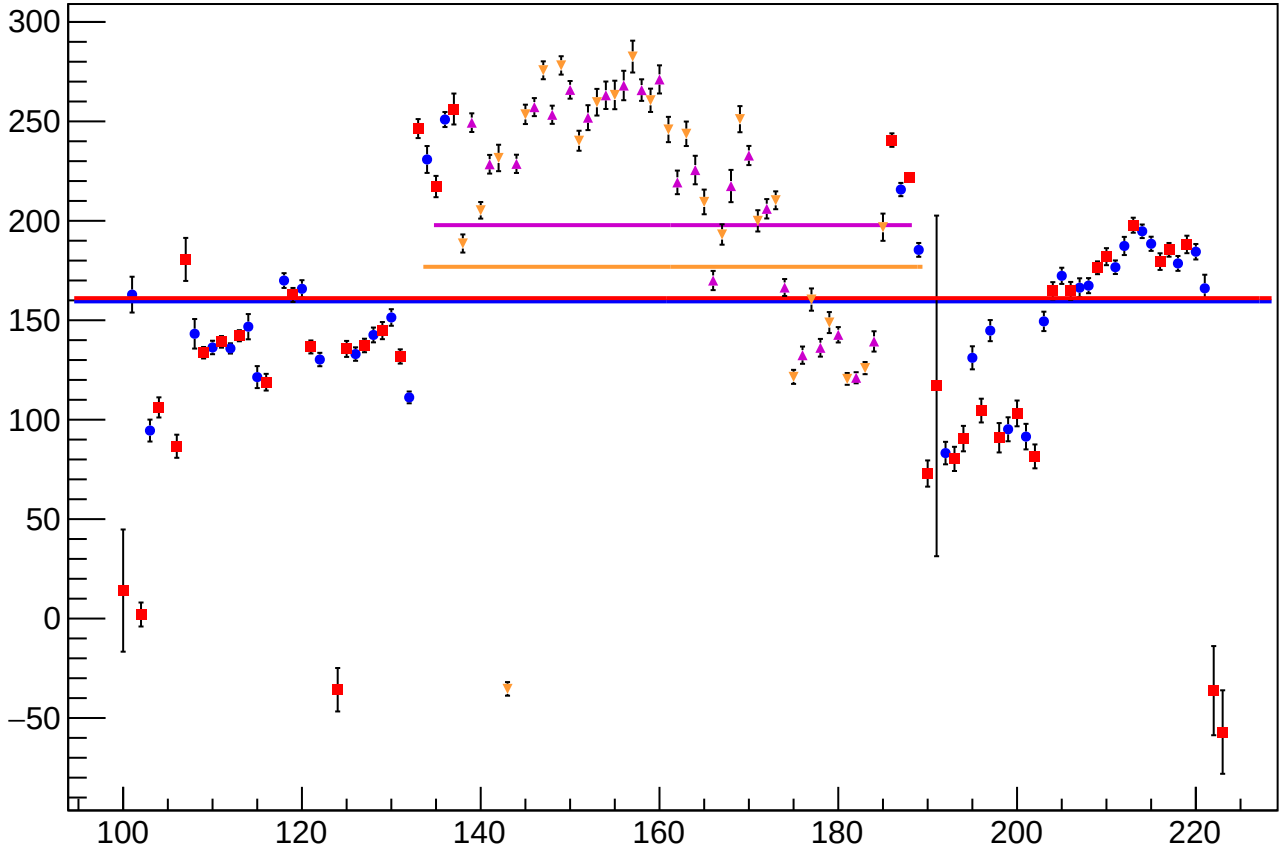
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.757+/-0.035 χ^2/NDF: 877580.6/58

All: -134.757+/-0.025 χ^2/NDF: 1657519.1/12

- sign -135.780+/-0.035 χ^2/NDF: 778247.8/61

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 159.487+/-0.709 χ^2/NDF: 2562.8/33

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 161.116+/-0.677 χ^2/NDF: 5479.4/38

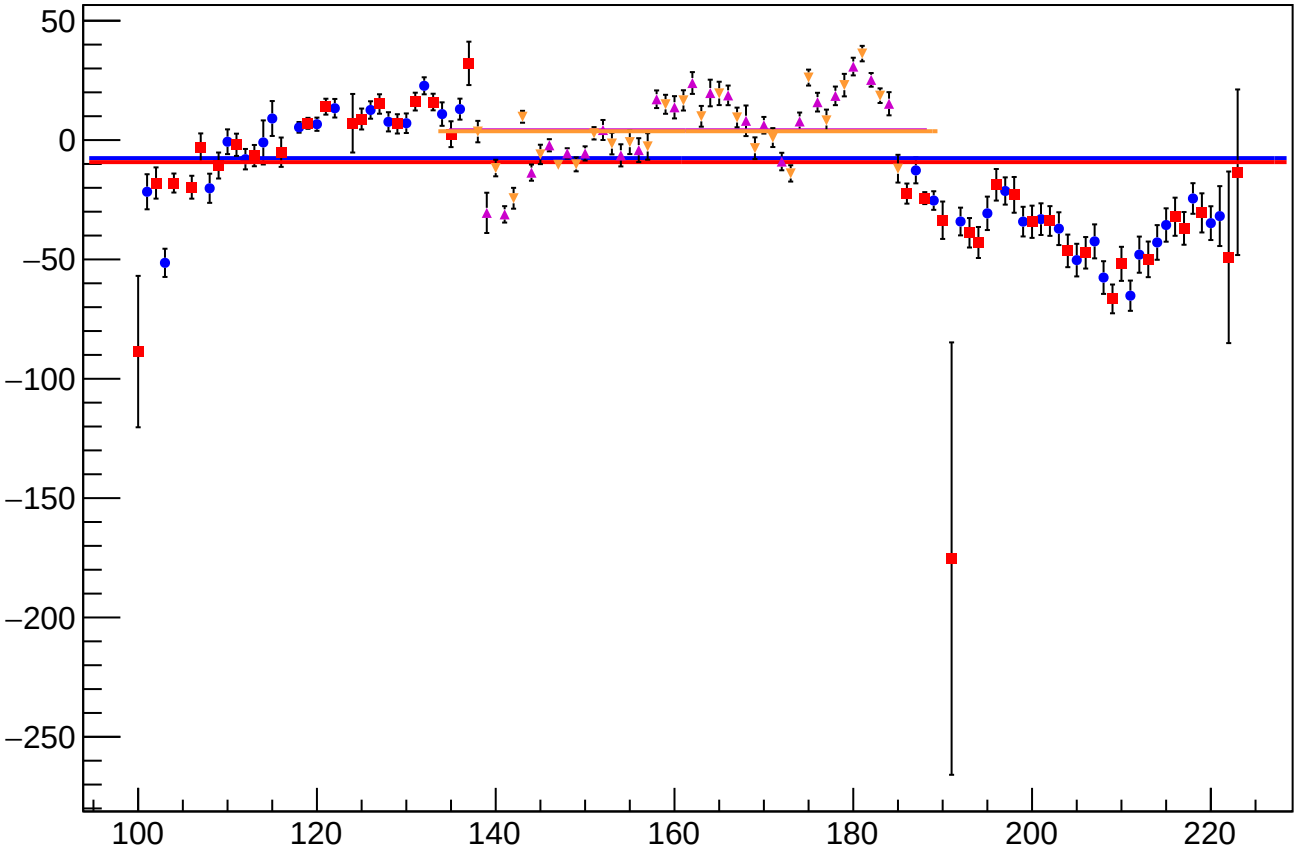
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 165.651+/-0.570 χ^2/NDF: 10200.6/58

All: 169.158+/-0.400 χ^2/NDF: 19638.9/120

- sign 172.565+/-0.562 χ^2/NDF: 9363.6/61

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.559+/-0.844 χ^2/NDF: 728.0/33

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -9.234+/-0.814 χ^2/NDF: 710.1/38

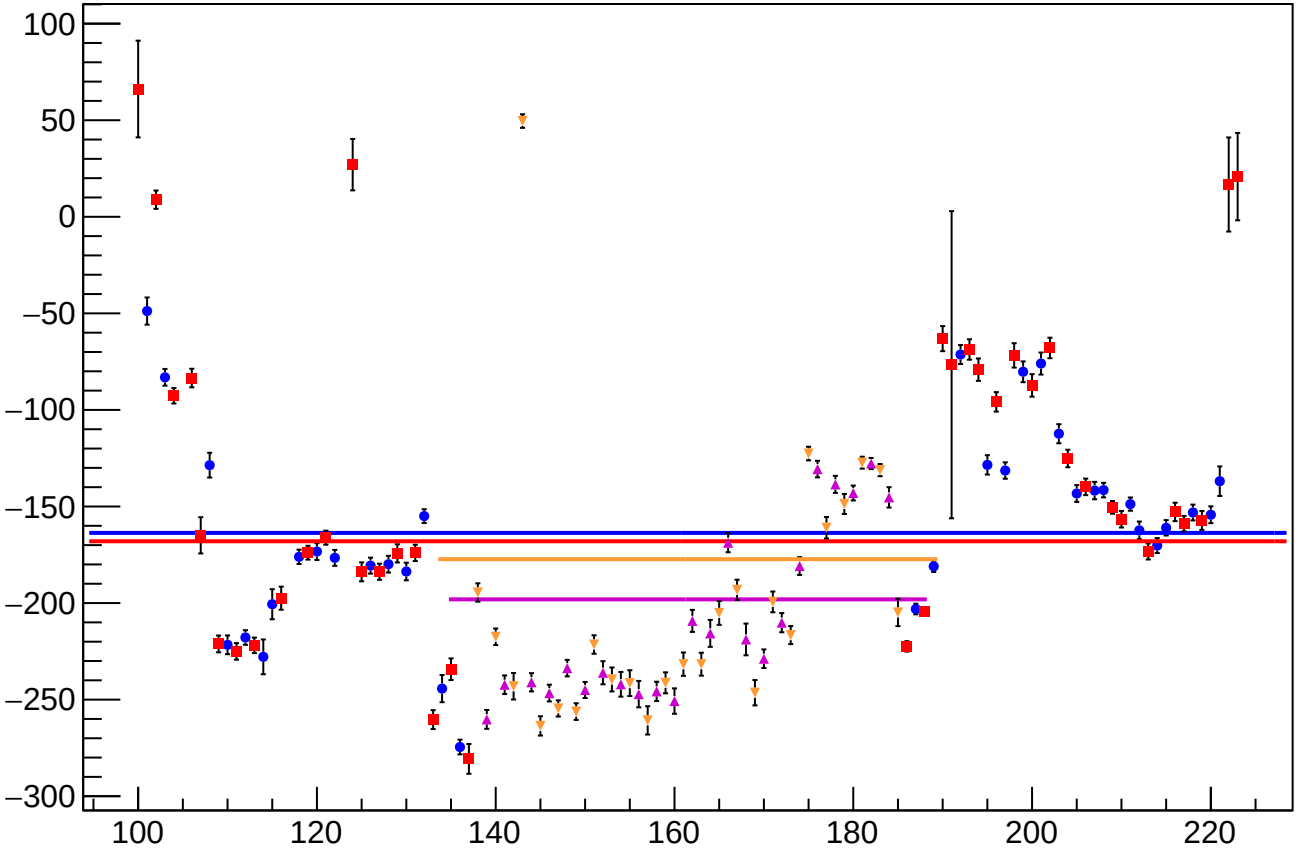
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign -1.066+/-0.549 χ^2/NDF: 1231.8/58

All: -1.617+/-0.392 χ^2/NDF: 2484.7/120

- sign -2.188+/-0.559 χ^2/NDF: 1250.9/61

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -163.665+/-0.743 χ^2/NDF: 3533.6/33

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.008+/-0.688 χ^2/NDF: 6844.0/38

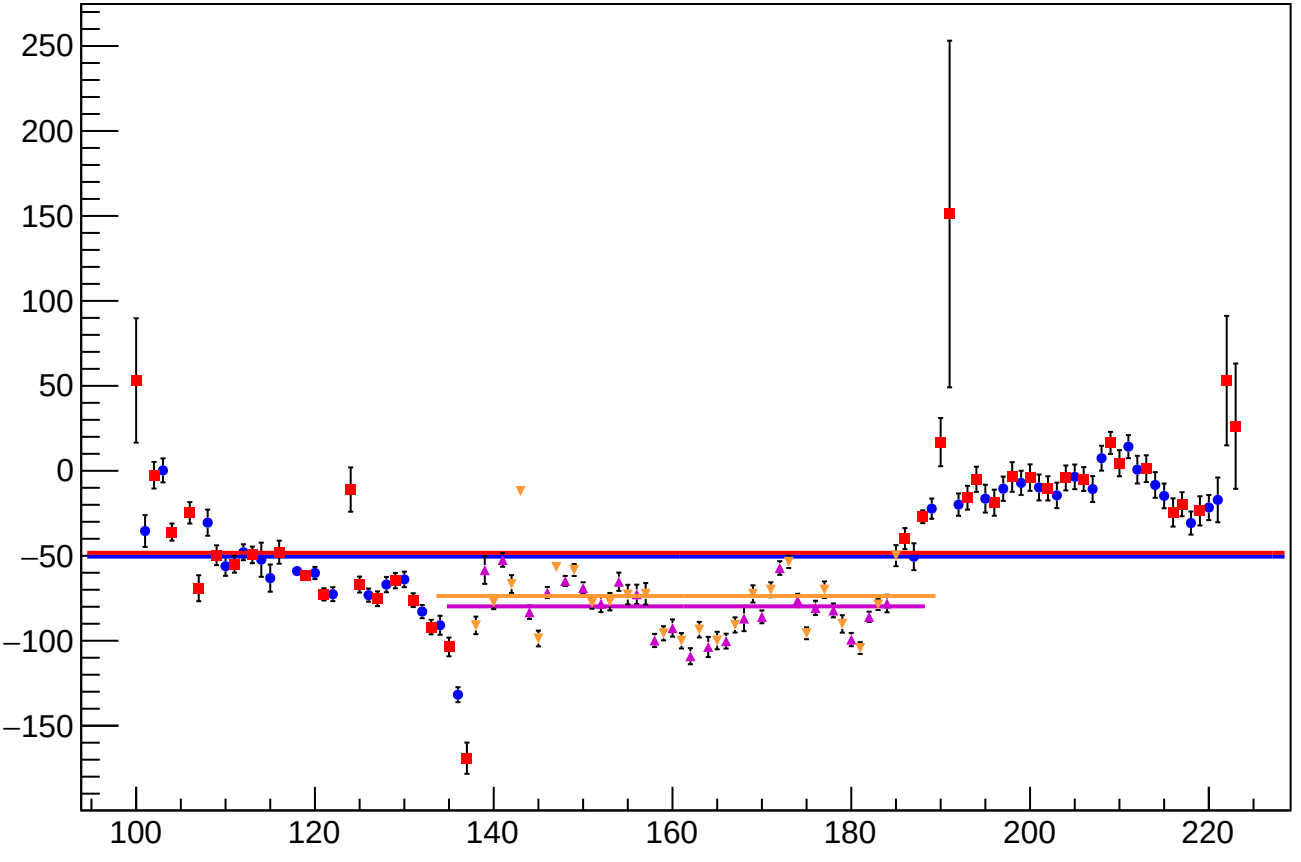
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -168.796+/-0.587 χ^2/NDF: 10700.0/58

All: -173.387+/-0.408 χ^2/NDF: 20662.6/120

- sign -177.666+/-0.567 χ^2/NDF: 9844.4/61

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -50.485+/-0.977 χ^2/NDF: 1156.0/33

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -48.249+/-0.959 χ^2/NDF: 1158.1/38

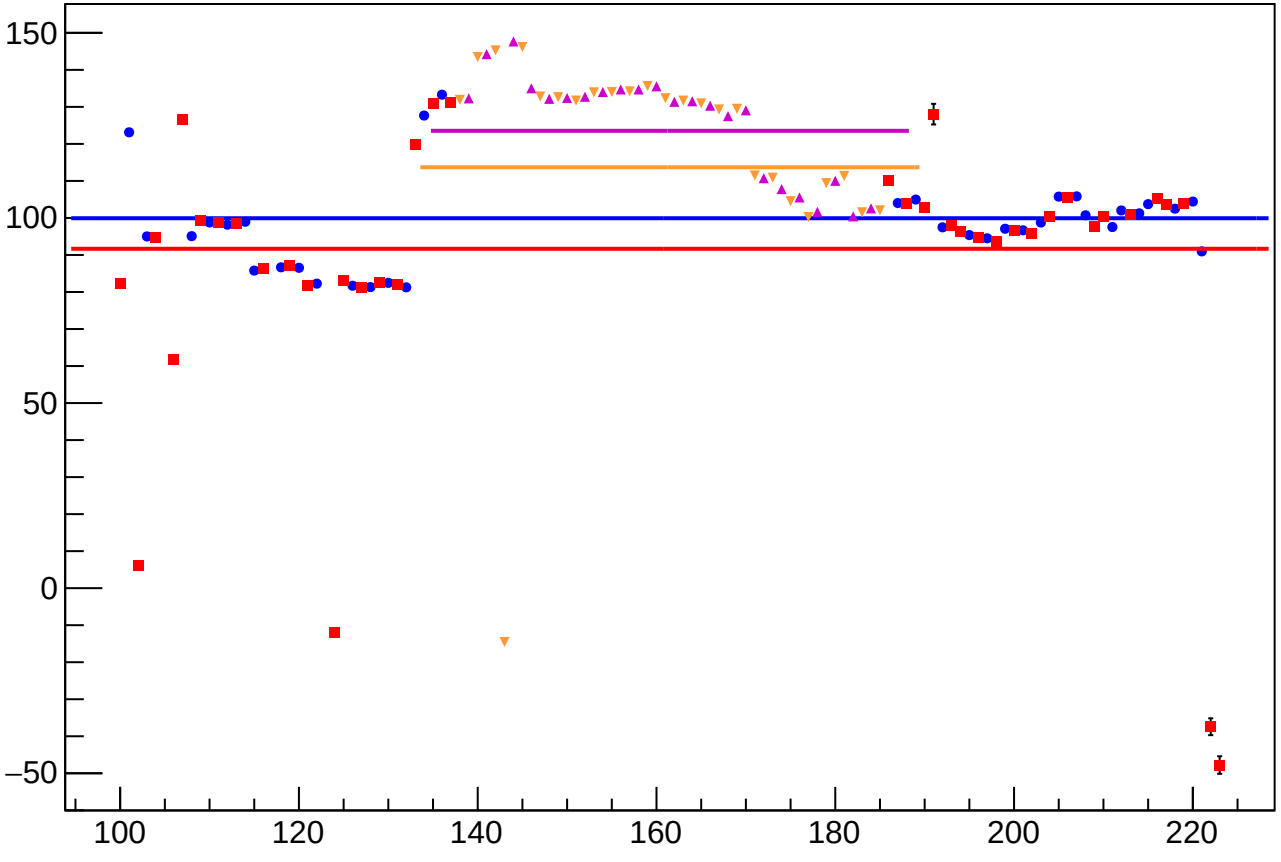
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -63.991+/-0.632 χ^2/NDF: 2324.0/58

All: -64.717+/-0.452 χ^2/NDF: 4352.3/120

\- sign -65.475+/-0.646 χ^2/NDF: 2025.5/61

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.922+/-0.051 χ^2/NDF: 70518.4/33

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.677+/-0.048 χ^2/NDF: 298408.3/38

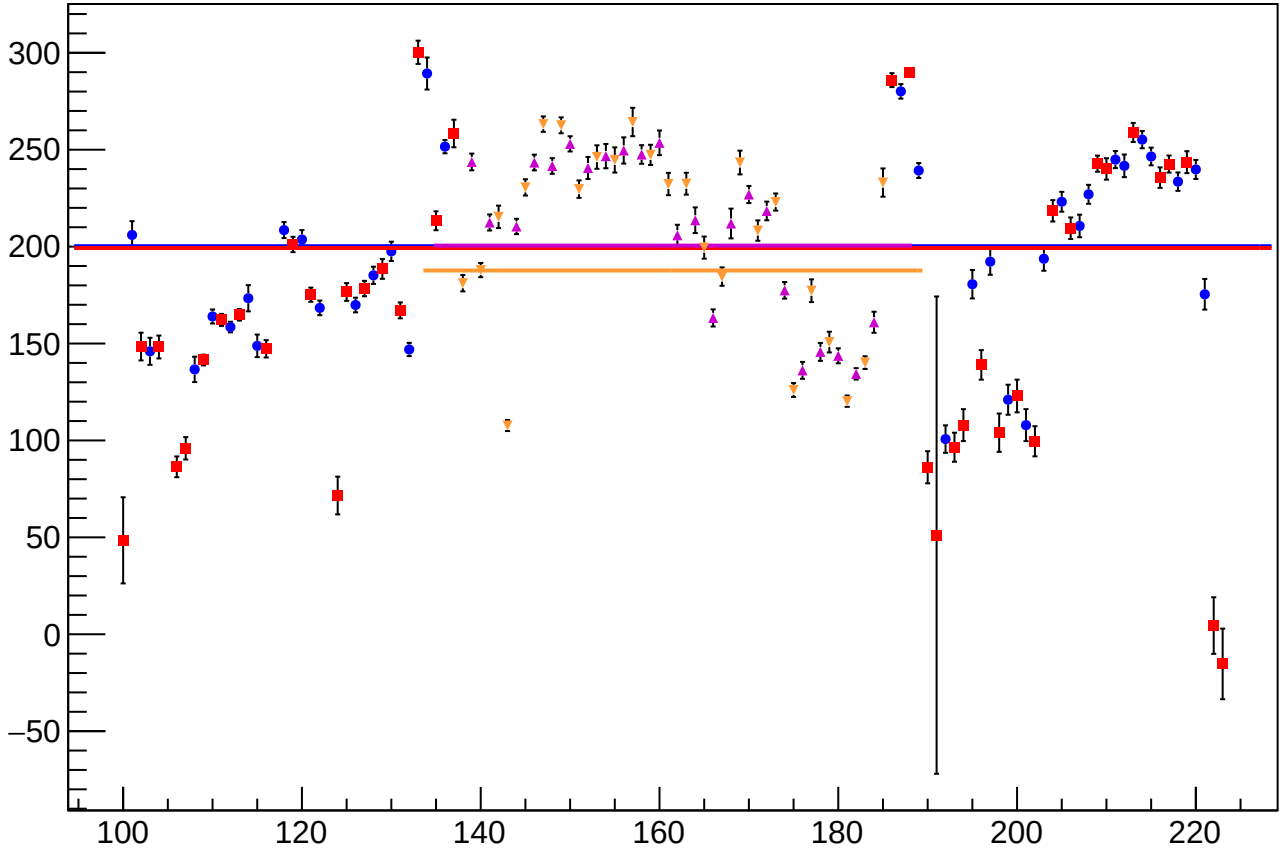
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.667+/-0.031 χ^2/NDF: 1080635.2/58

All: 109.713+/-0.022 χ^2/NDF: 1775297.4/120

- sign 110.765+/-0.031 χ^2/NDF: 692316.1/61

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 200.212+/-0.820 χ^2/NDF: 2895.7/33

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 199.278+/-0.762 χ^2/NDF: 6899.9/38

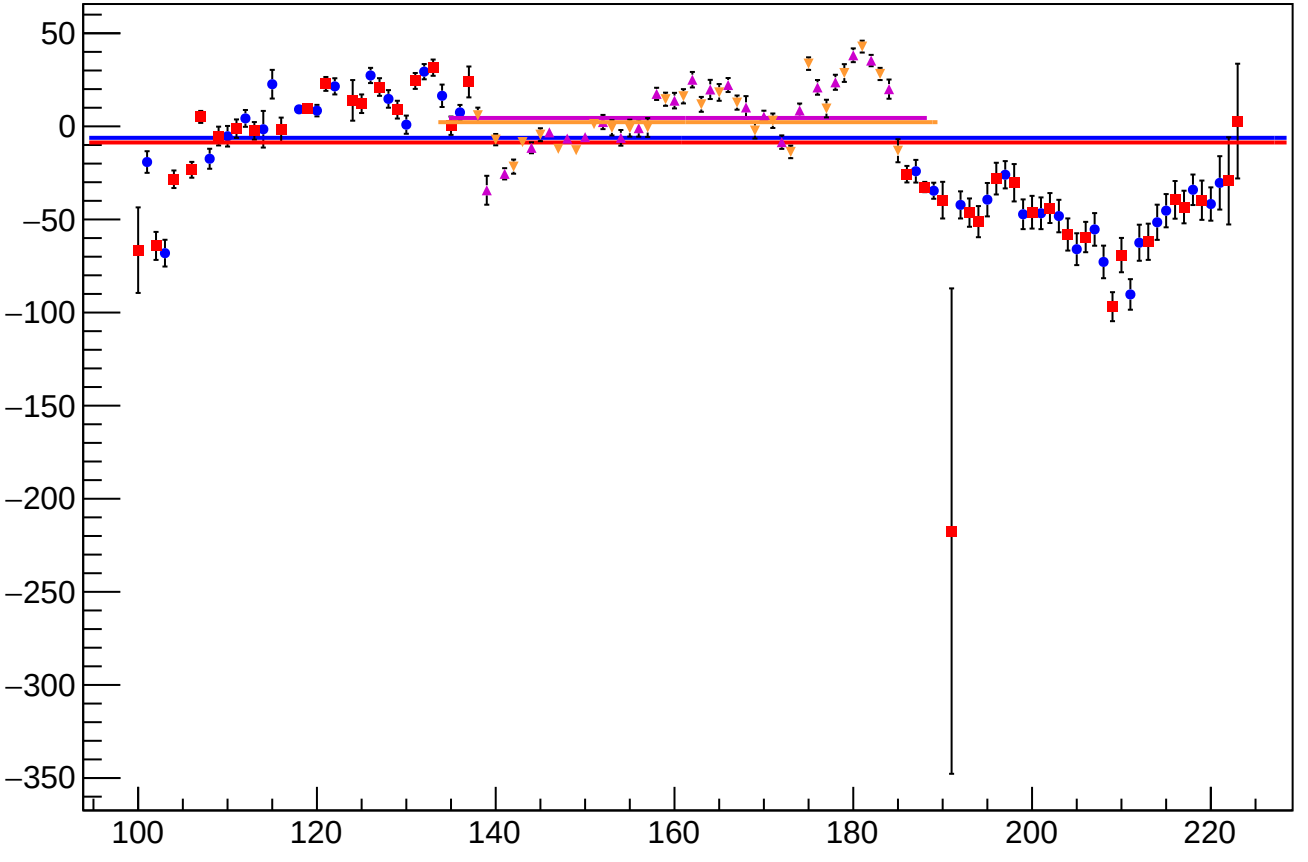
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 194.515+/-0.605 χ^2/NDF: 6530.3/58

All: 197.180+/-0.425 χ^2/NDF: 15580.8/120

- sign 199.762+/-0.596 χ^2/NDF: 9012.3/61

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -6.159+/-0.953 χ^2/NDF: 912.9/33

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

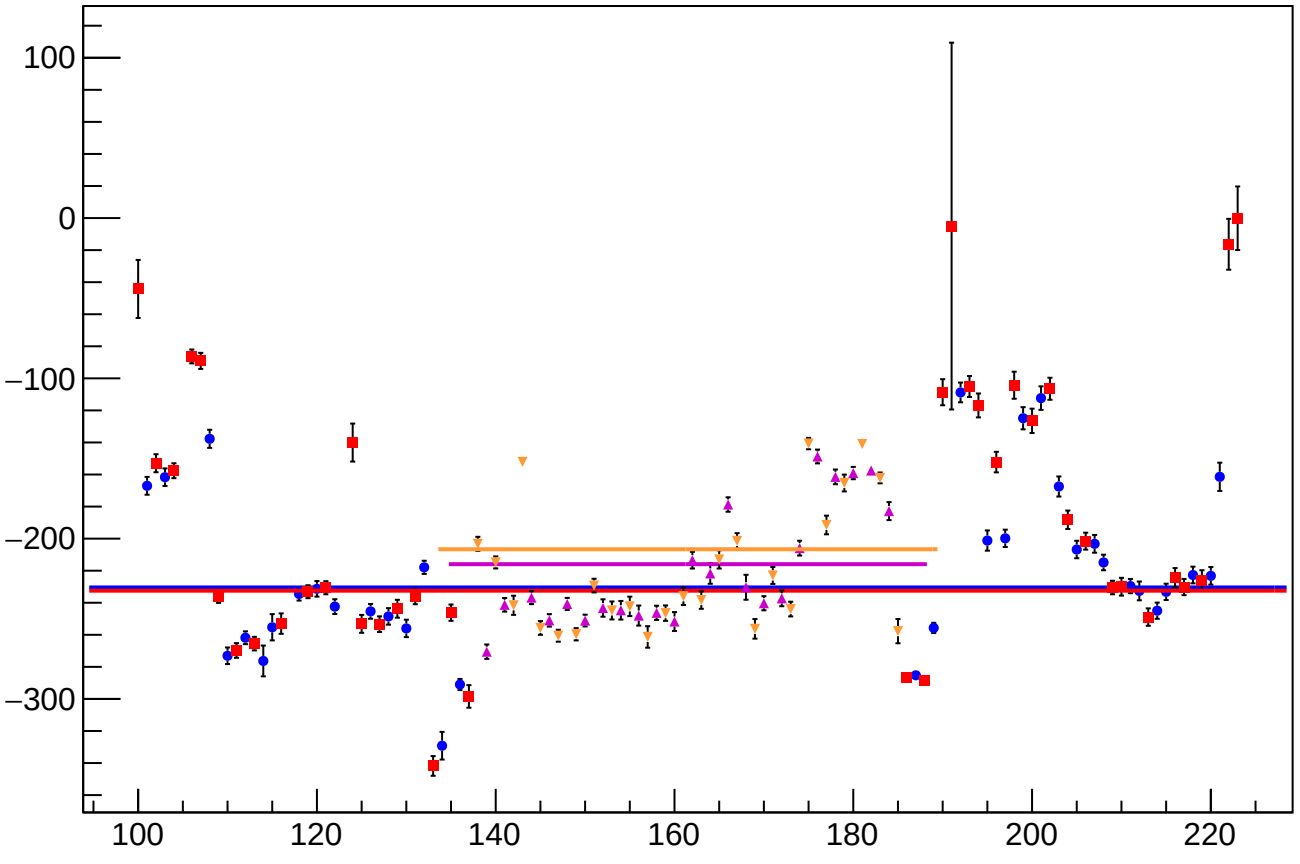
Right Out: -8.660+/-0.889 χ^2/NDF: 981.6/38

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.505+/-0.545 χ^2/NDF: 1566.1/58

All: -0.577+/-0.390 χ^2/NDF: 3228.3/120

- sign -0.652+/-0.557 χ^2/NDF: 1662.1/61



Right In: -230.460+/-0.861 χ^2/NDF: 2757.4/33

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

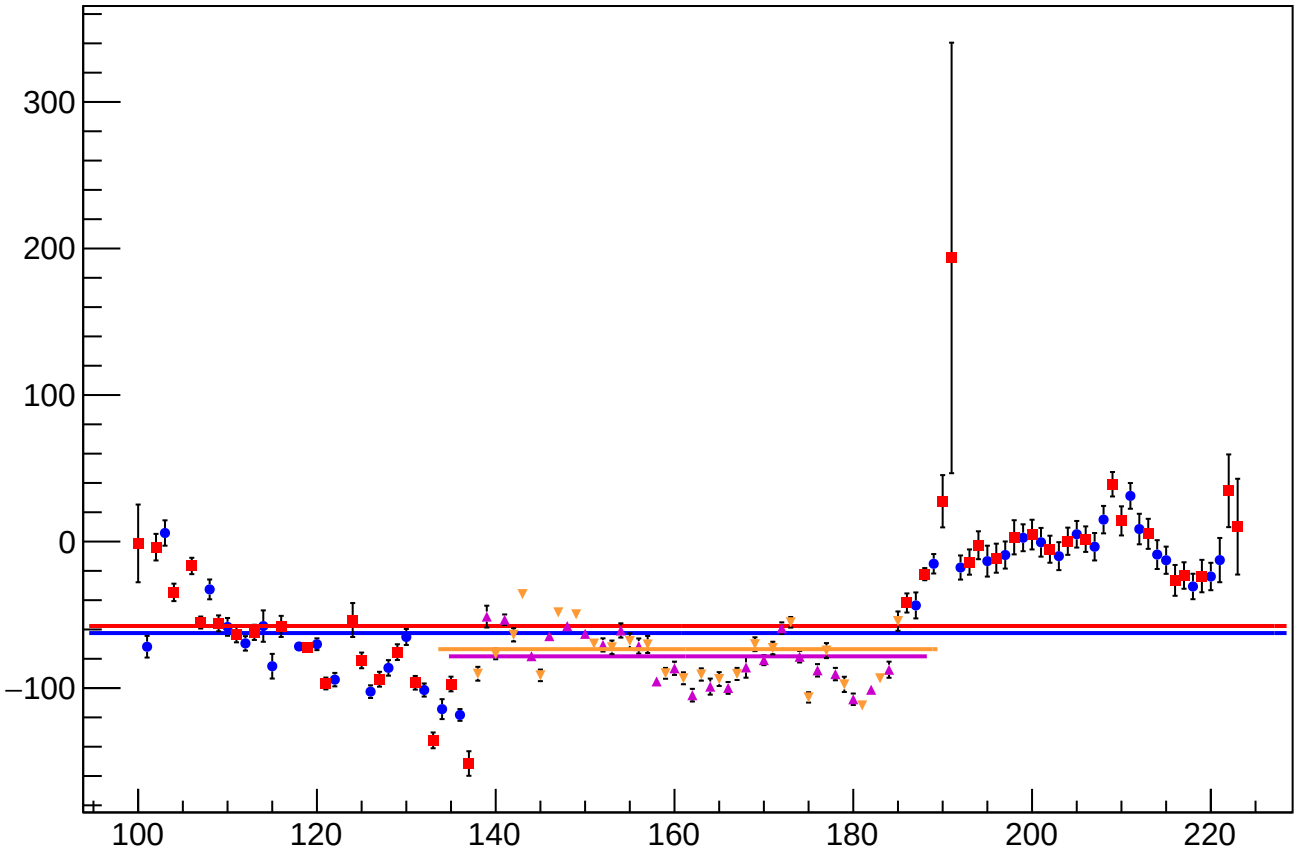
Right Out: -232.465+/-0.776 χ^2/NDF: 6996.2/38

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.991+/-0.621 χ^2/NDF: 5593.7/58

All: -222.522+/-0.431 χ^2/NDF: 14547.0/120

- sign -225.821+/-0.600 χ^2/NDF: 8890.6/61



Right In: -62.446+/-1.107 χ^2/NDF: 1267.7/33

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -57.618+/-1.054 χ^2/NDF: 1415.4/38

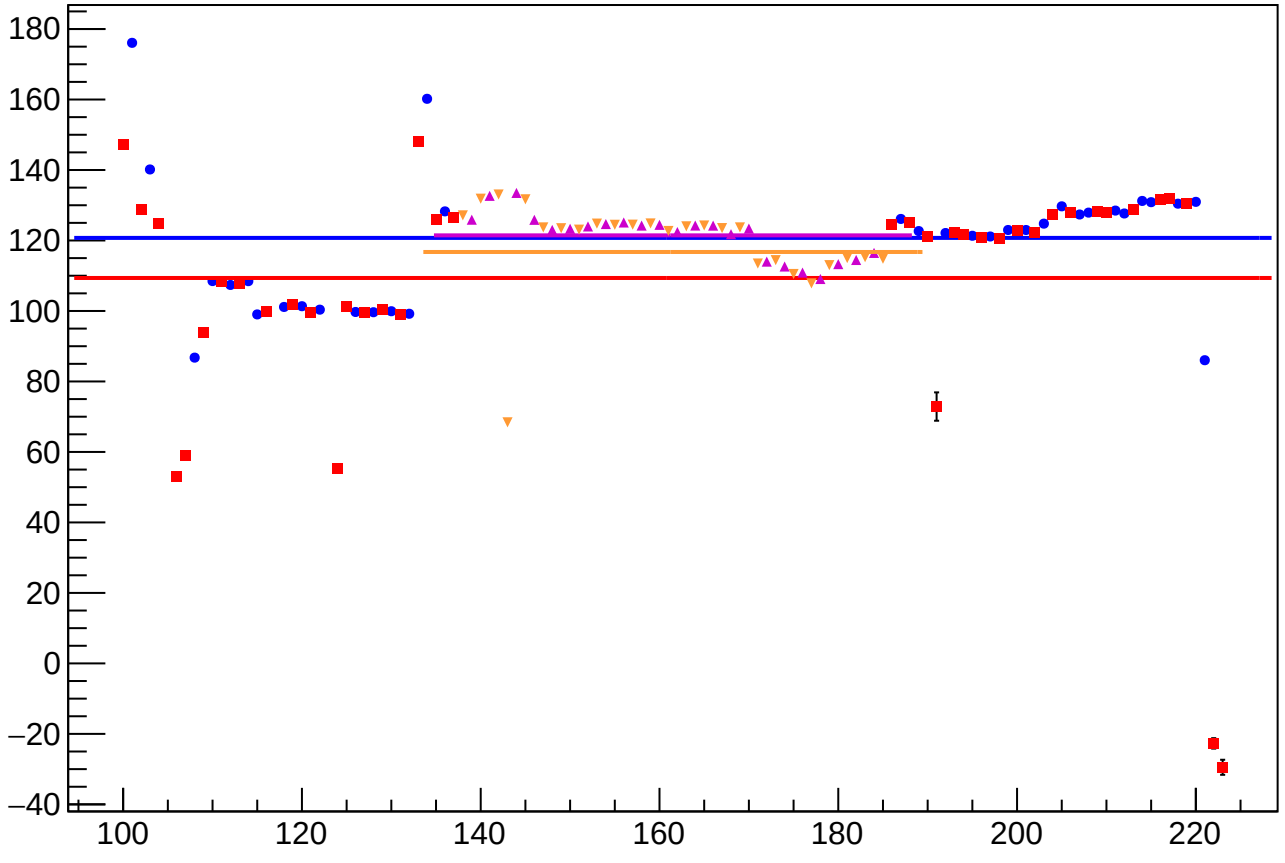
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -69.864+/-0.630 χ^2/NDF: 2170.7/58

All: -70.200+/-0.451 χ^2/NDF: 4271.0/120

- sign -70.553+/-0.646 χ^2/NDF: 2099.7/61

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 120.735+/-0.058 χ^2/NDF: 102025.7/33

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.364+/-0.054 χ^2/NDF: 230070.3/38

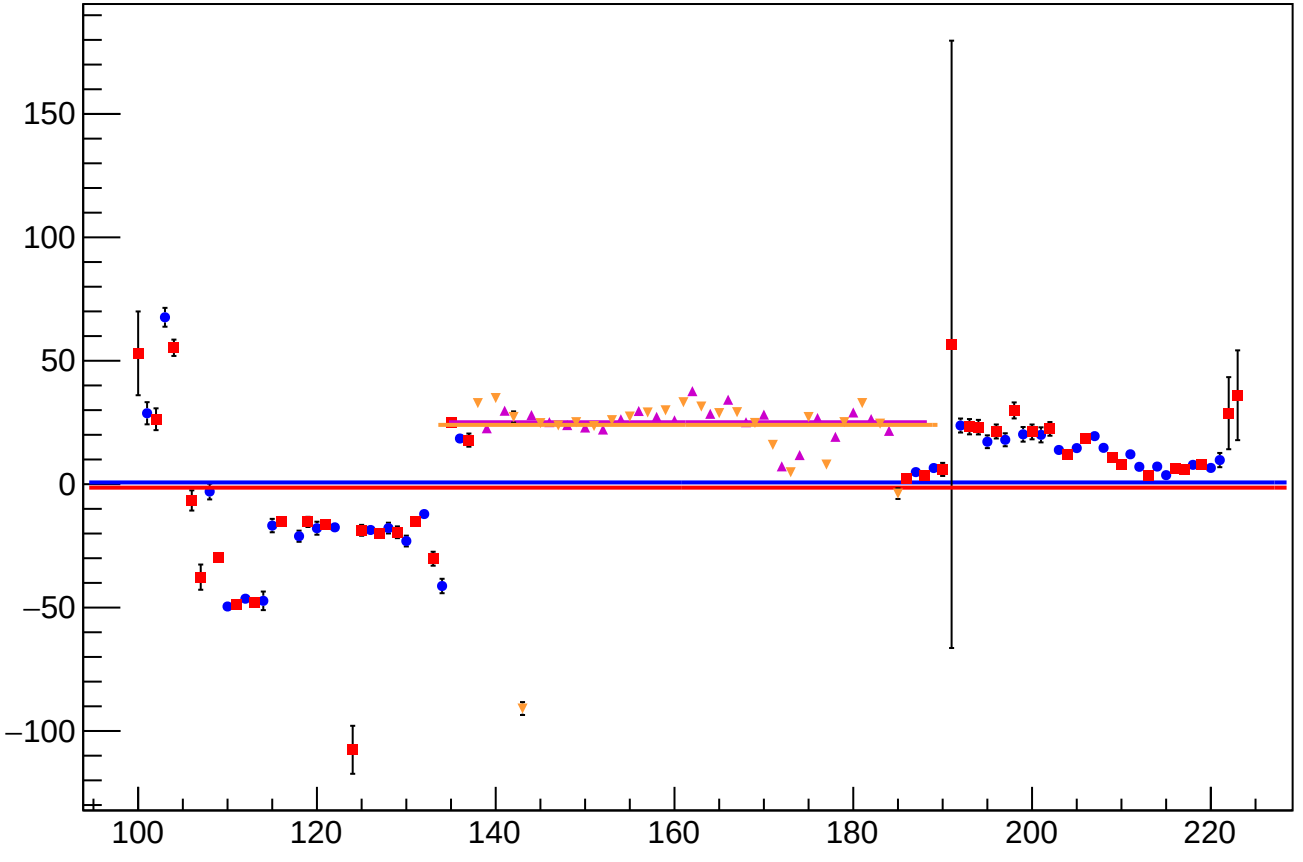
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.833+/-0.031 χ^2/NDF: 309078.8/58

All: 117.701+/-0.022 χ^2/NDF: 601823.1/120

- sign 117.568+/-0.031 χ^2/NDF: 292706.8/61

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.702+/-0.338 χ^2/NDF: 3756.8/33

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.406+/-0.331 χ^2/NDF: 3978.9/38

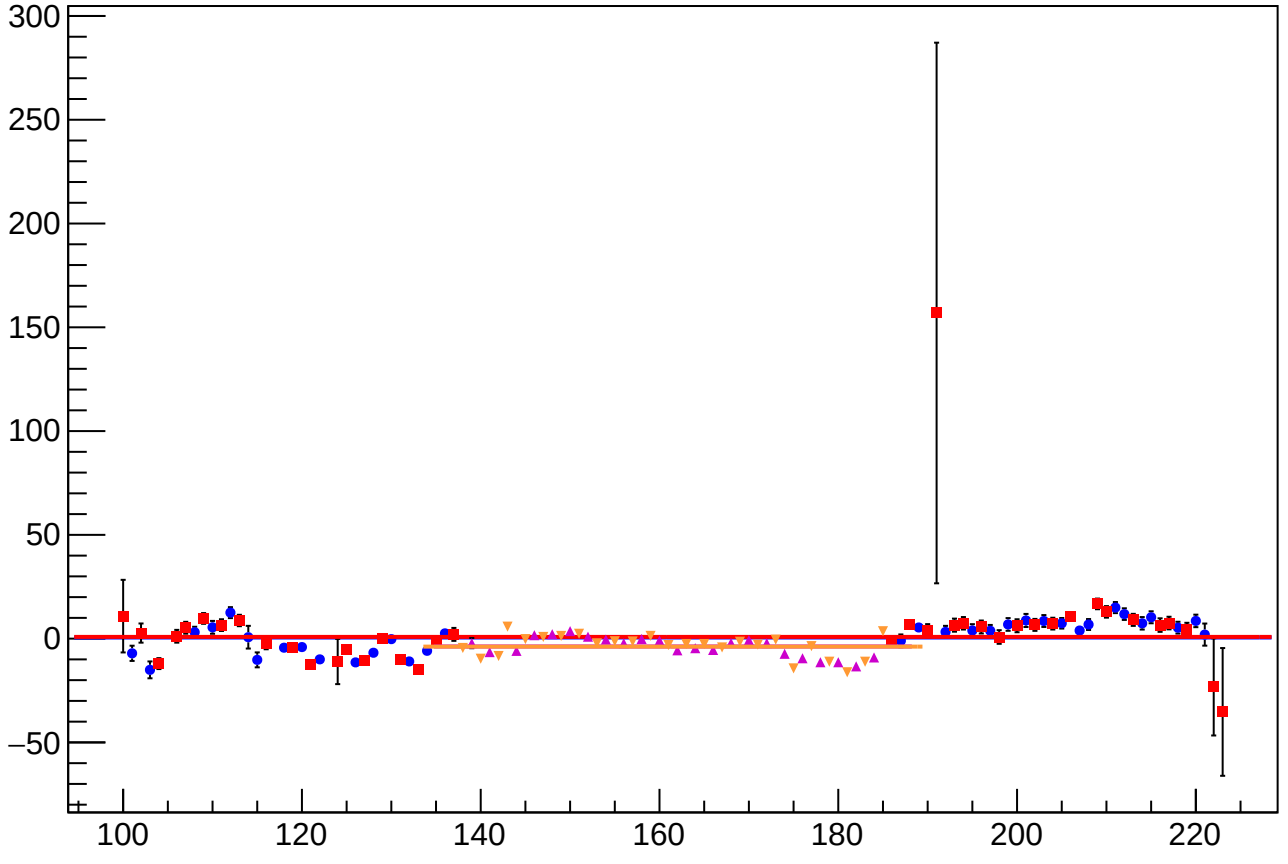
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 14.436+/-0.216 χ^2/NDF: 9370.8/58

All: 14.081+/-0.153 χ^2/NDF: 17500.6/120

\- sign 13.724+/-0.217 χ^2/NDF: 8124.4/61

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.553+/-0.425 χ^2/NDF: 296.8/33

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.838+/-0.417 χ^2/NDF: 367.1/38

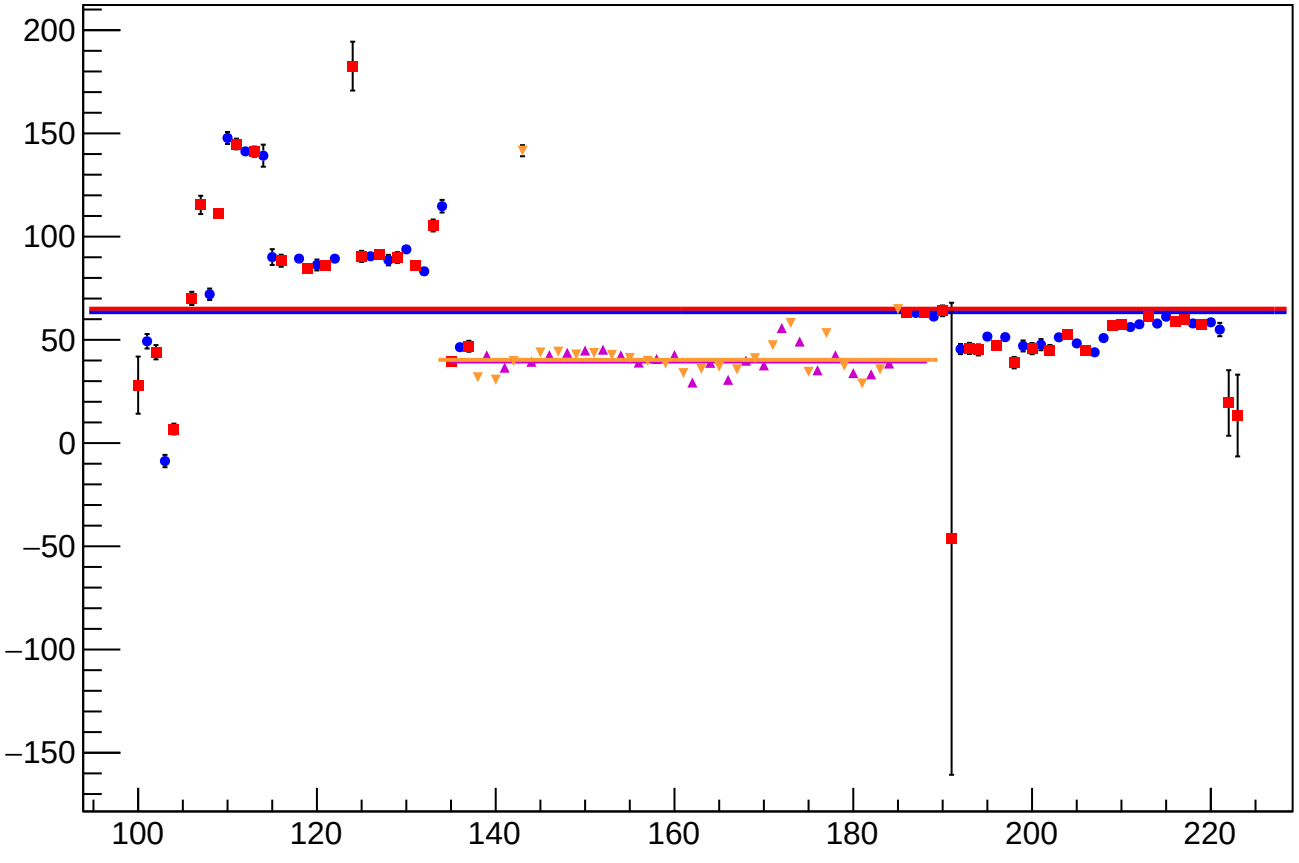
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

\+ sign -2.931+/-0.194 χ^2/NDF: 1030.9/58

All: -2.841+/-0.138 χ^2/NDF: 2003.7/120

\- sign -2.747+/-0.197 χ^2/NDF: 972.3/61

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 63.409+/-0.351 χ^2/NDF: 4703.3/33

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

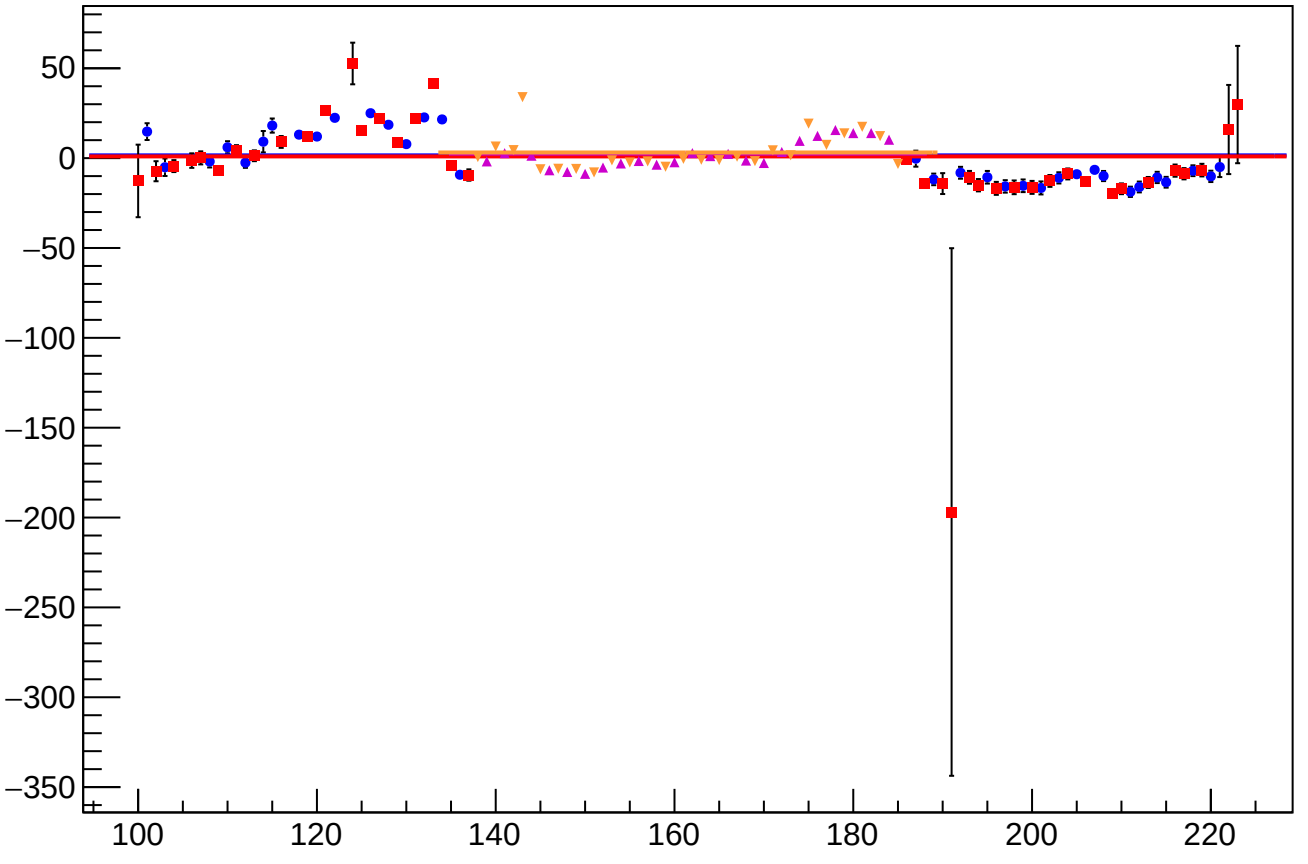
Right Out: 65.096+/-0.335 χ^2/NDF: 4887.9/38

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 49.315+/-0.219 χ^2/NDF: 9534.3/58

All: 49.776+/-0.154 χ^2/NDF: 18249.2/120

- sign 50.230+/-0.217 χ^2/NDF: 8706.0/61



Right In: 1.540+/-0.482 χ^2/NDF: 874.8/33

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

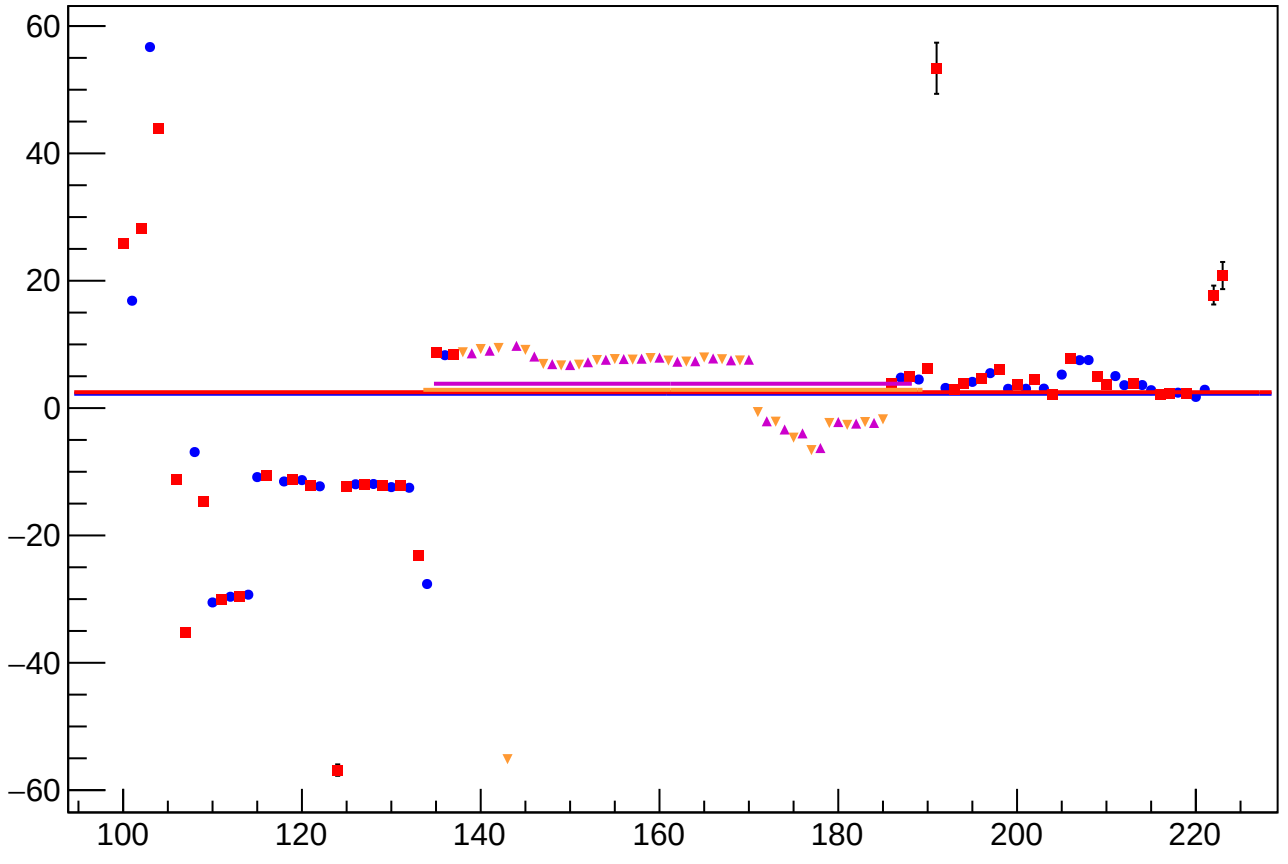
Right Out: 0.955+/-0.485 χ^2/NDF: 1048.2/38

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 2.812+/-0.219 χ^2/NDF: 2150.6/58

All: 2.506+/-0.156 χ^2/NDF: 4179.2/120

- sign 2.188+/-0.223 χ^2/NDF: 2024.5/61



Right In: 2.251+/-0.023 χ^2/NDF: 383025.3/33

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.494+/-0.023 χ^2/NDF: 330942.8/38

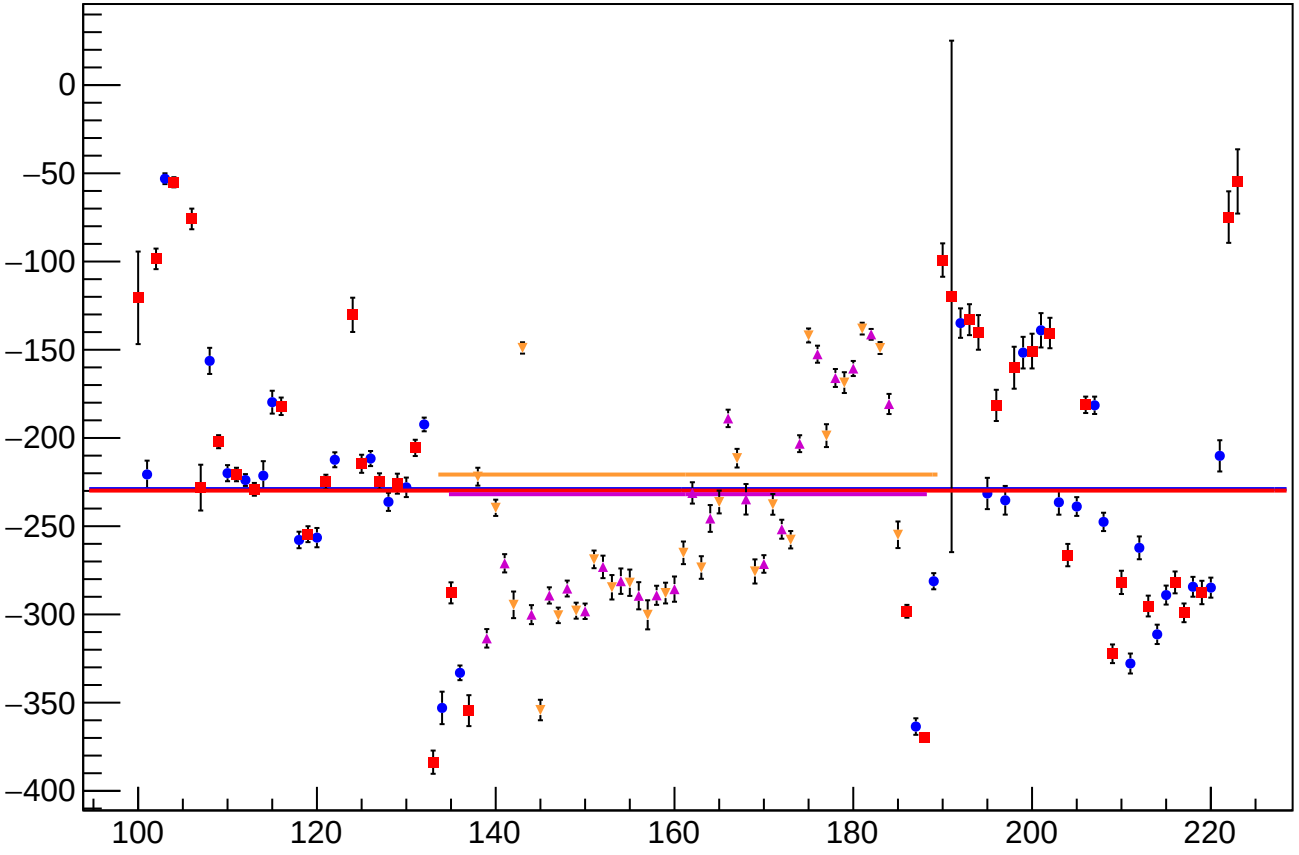
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.756+/-0.010 χ^2/NDF: 895940.8/58

All: 3.164+/-0.007 χ^2/NDF: 1466166.1/120

- sign 3.580+/-0.010 χ^2/NDF: 566811.4/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -228.965+/-0.912 χ^2/NDF: 6679.4/33

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -229.810+/-0.858 χ^2/NDF: 11359.9/38

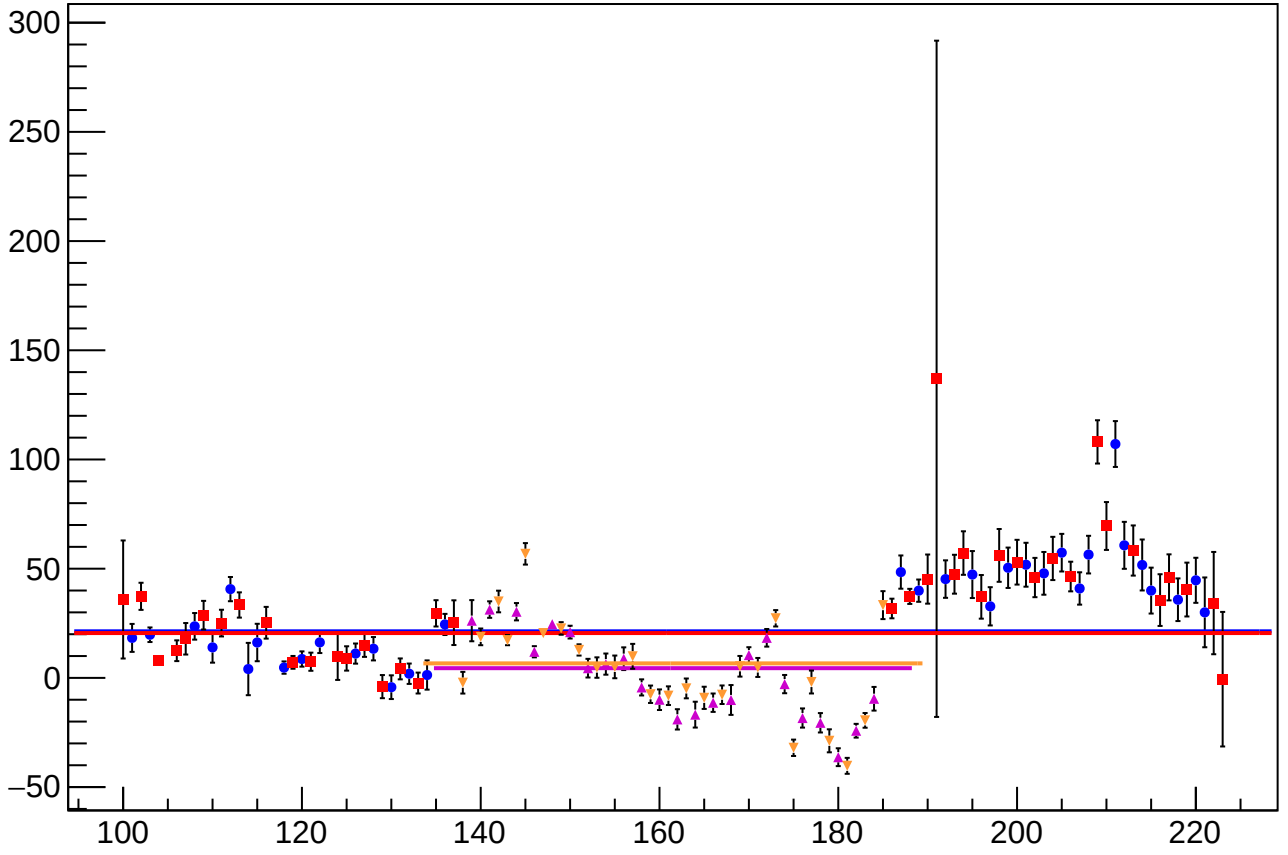
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -225.297+/-0.679 χ^2/NDF: 10768.0/58

All: -227.986+/-0.477 χ^2/NDF: 25321.4/120

- sign -230.610+/-0.671 χ^2/NDF: 14522.4/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 21.321+/-1.044 χ^2/NDF: 327.8/33

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

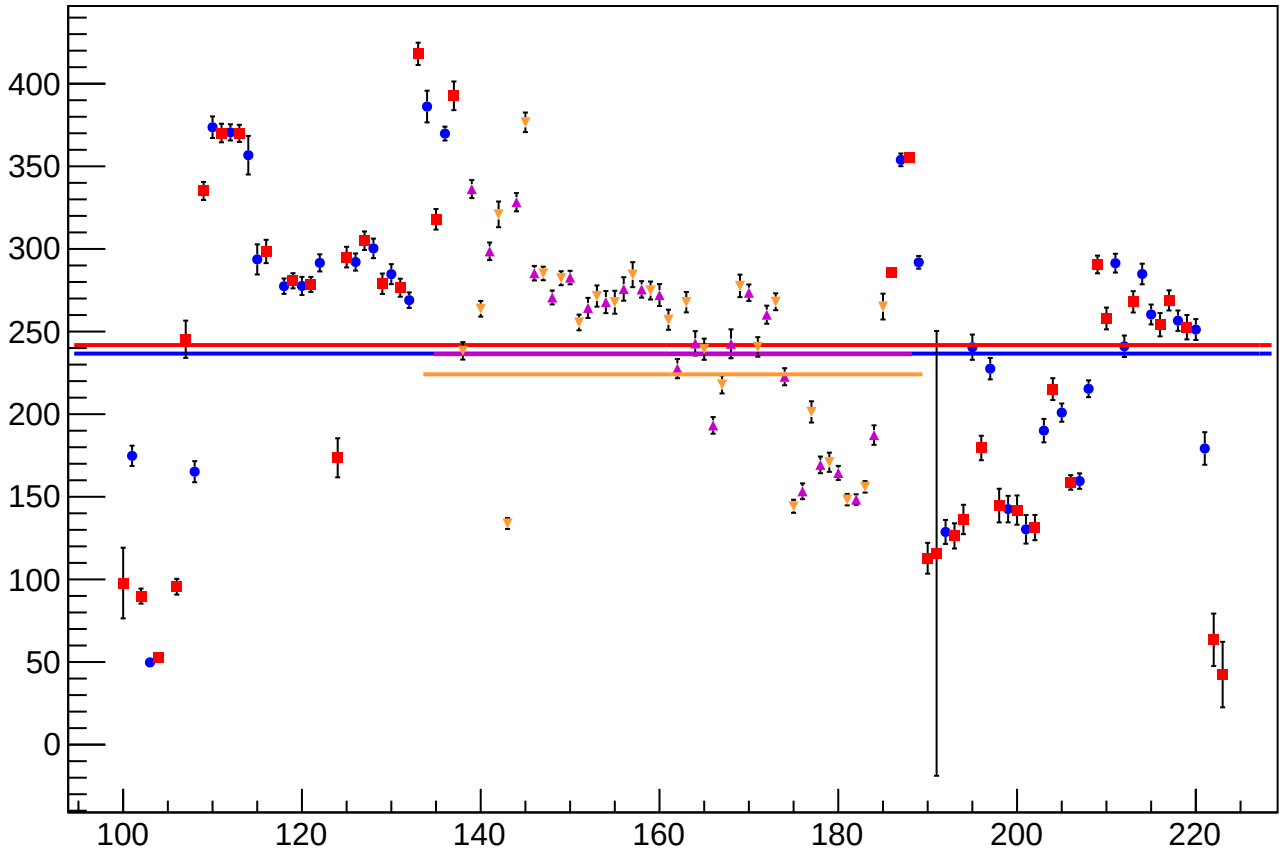
Right Out: 20.526+/-0.962 χ^2/NDF: 378.0/38

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 11.661+/-0.610 χ^2/NDF: 1192.8/58

All: 11.379+/-0.434 χ^2/NDF: 2302.3/120

- sign 11.091+/-0.618 χ^2/NDF: 1109.1/61



Right In: 236.656+/-0.928 χ^2/NDF: 11643.9/33

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 241.818+/-0.847 χ^2/NDF: 17330.7/38

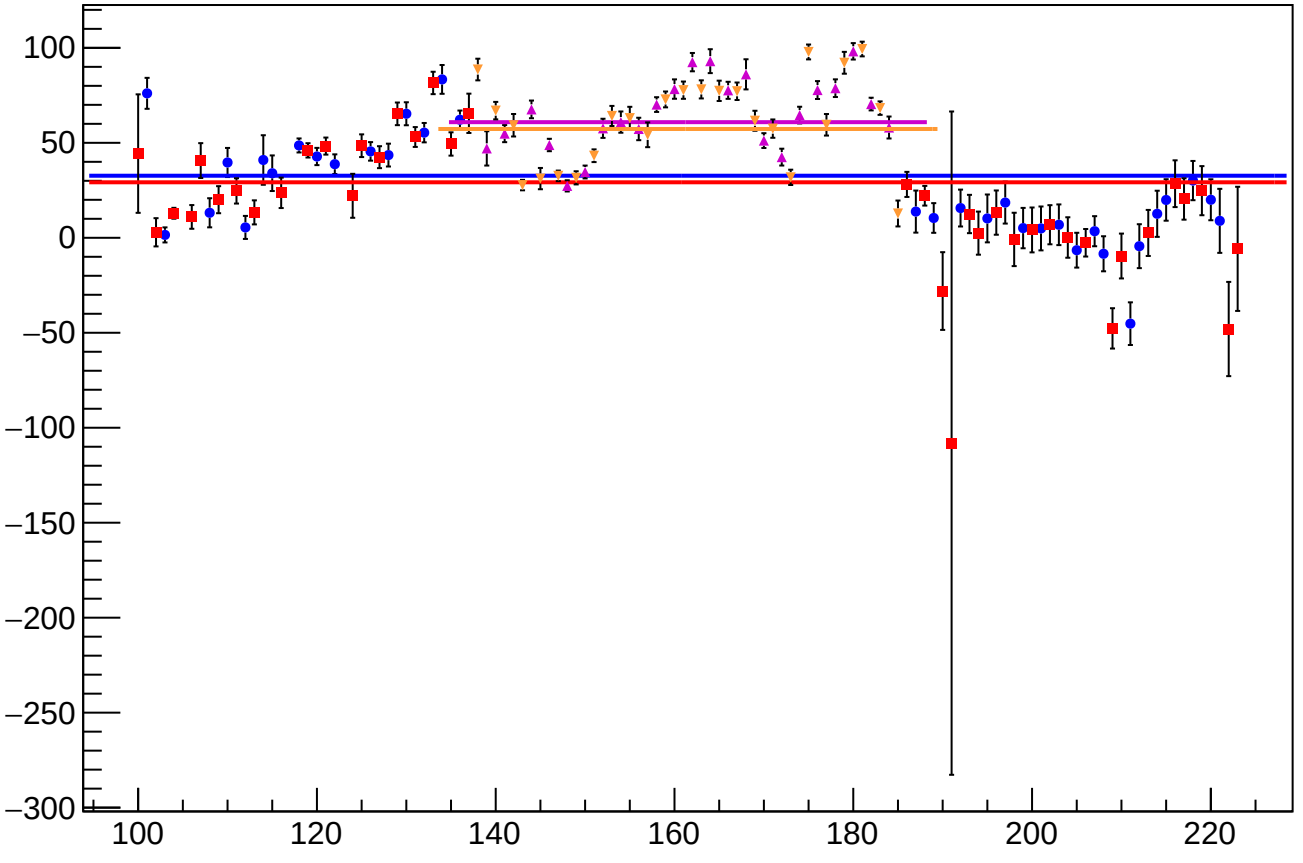
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 230.942+/-0.684 χ^2/NDF: 15693.7/58

All: 235.459+/-0.476 χ^2/NDF: 36118.0/120

- sign 239.700+/-0.663 χ^2/NDF: 20339.8/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 32.681+/-1.214 χ^2/NDF: 438.5/33

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

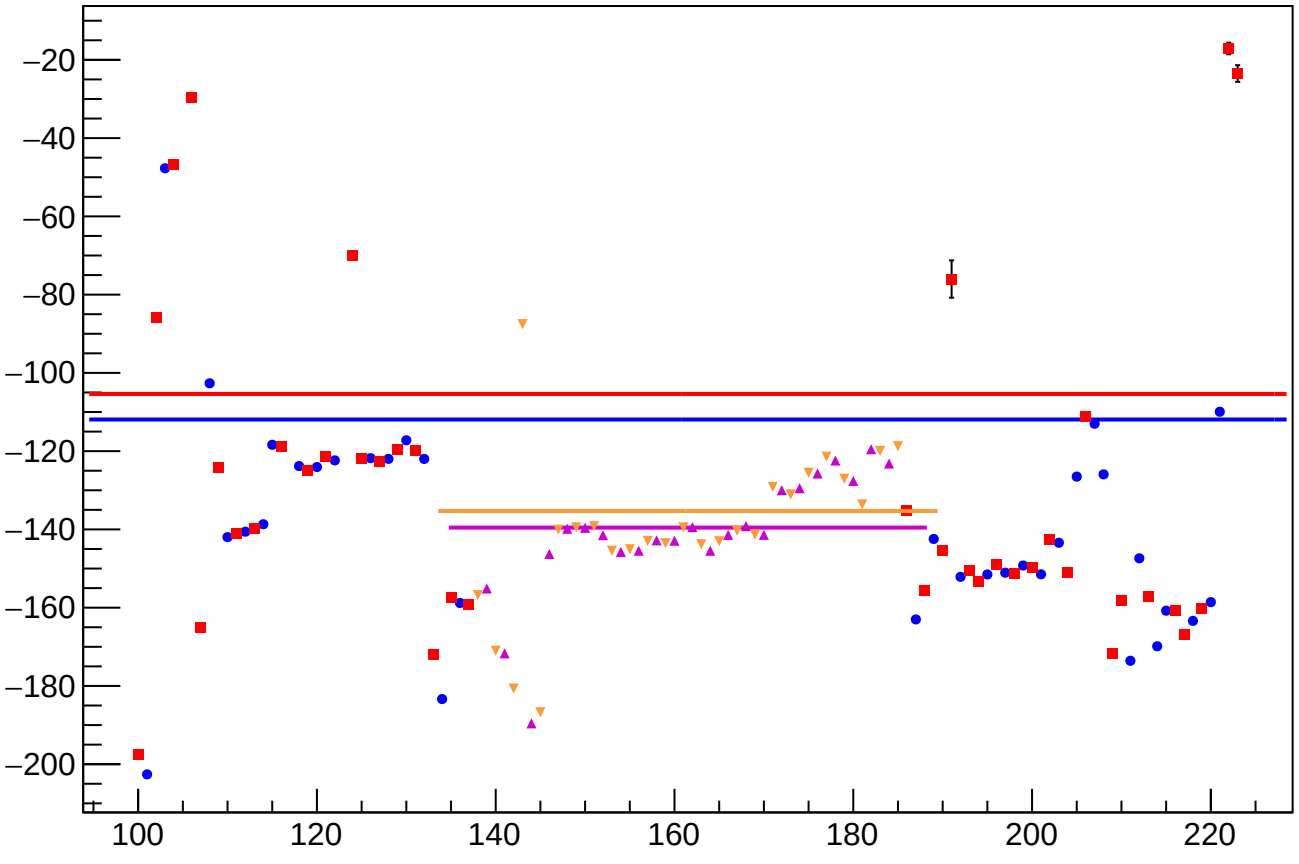
Right Out: 29.220+/-1.147 χ^2/NDF: 418.2/38

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 48.965+/-0.706 χ^2/NDF: 1478.2/58

All: 48.708+/-0.504 χ^2/NDF: 2813.9/120

- sign 48.441+/-0.719 χ^2/NDF: 1335.4/61



Right In: -111.910+/-0.057 χ^2/NDF: 713406.8/33

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

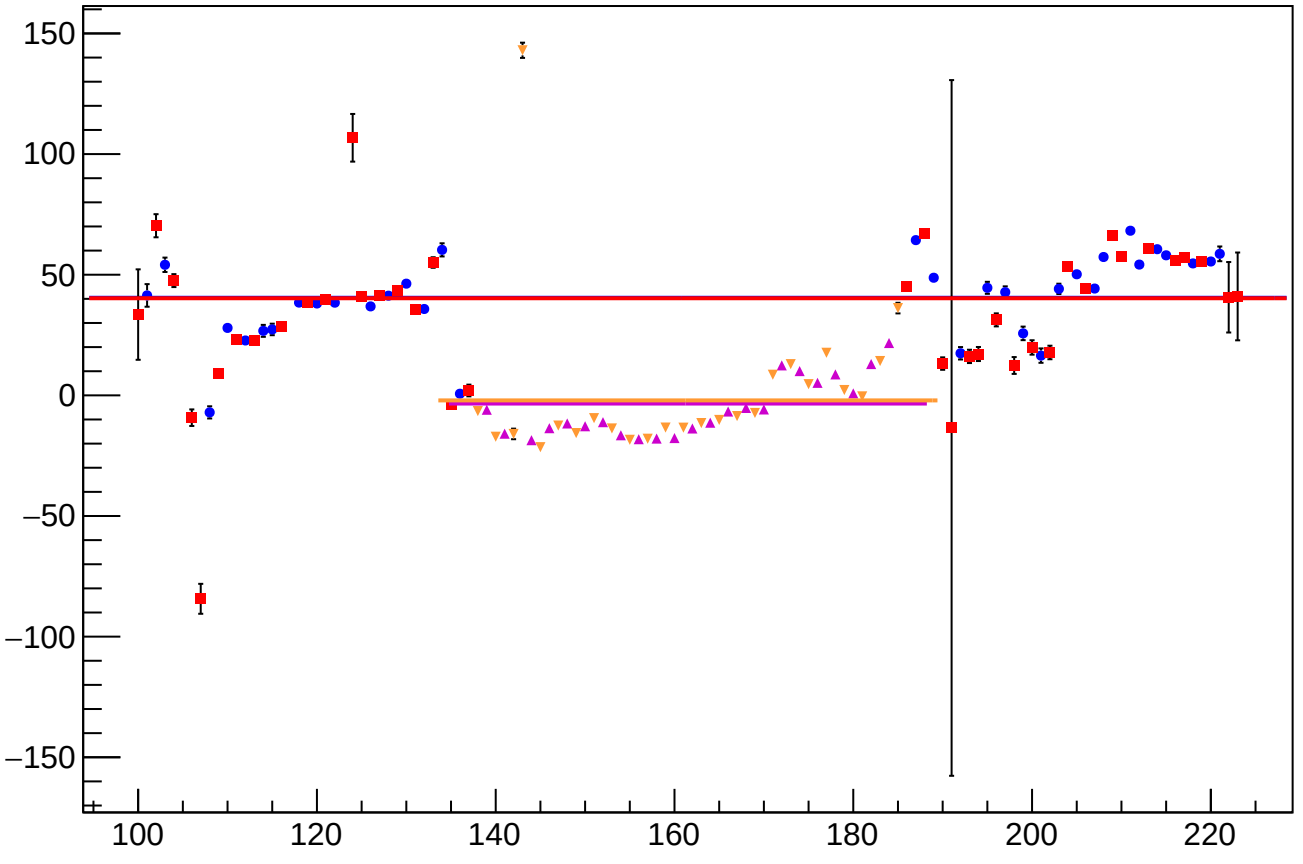
Right Out: -105.384+/-0.055 χ^2/NDF: 782337.5/38

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -127.363+/-0.033 χ^2/NDF: 1089141.0/58

All: -127.133+/-0.023 χ^2/NDF: 2229403.9/12

- sign -126.897+/-0.033 χ^2/NDF: 1140164.4/61



Right In: 40.441+/-0.305 χ^2/NDF: 3503.9/33

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

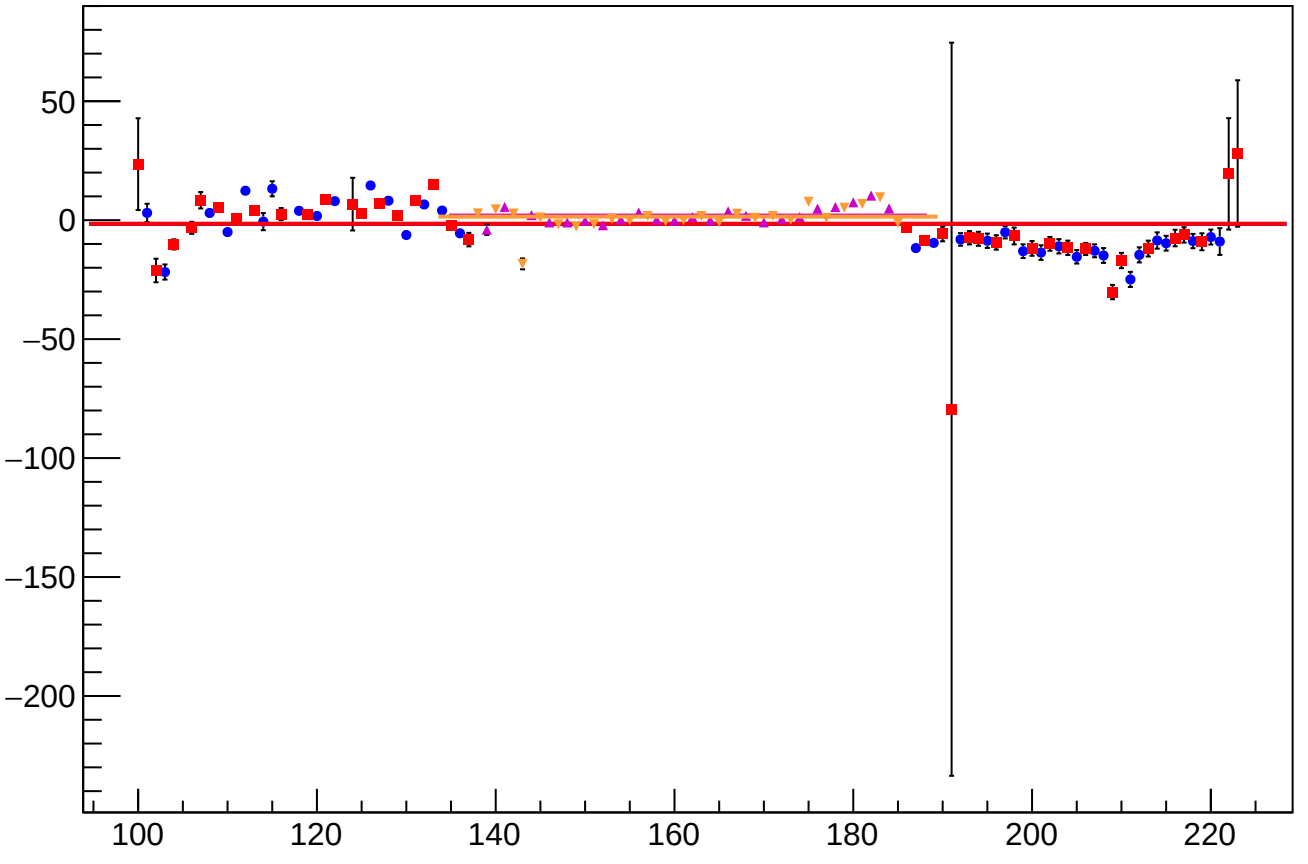
Right Out: 40.249+/-0.282 χ^2/NDF: 5579.2/38

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 16.362+/-0.201 χ^2/NDF: 18733.7/58

All: 16.974+/-0.140 χ^2/NDF: 38503.5/120

\- sign 17.555+/-0.196 χ^2/NDF: 19751.7/61



Right In: -1.574+/-0.365 χ^2/NDF: 609.6/33

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.519+/-0.346 χ^2/NDF: 550.1/38

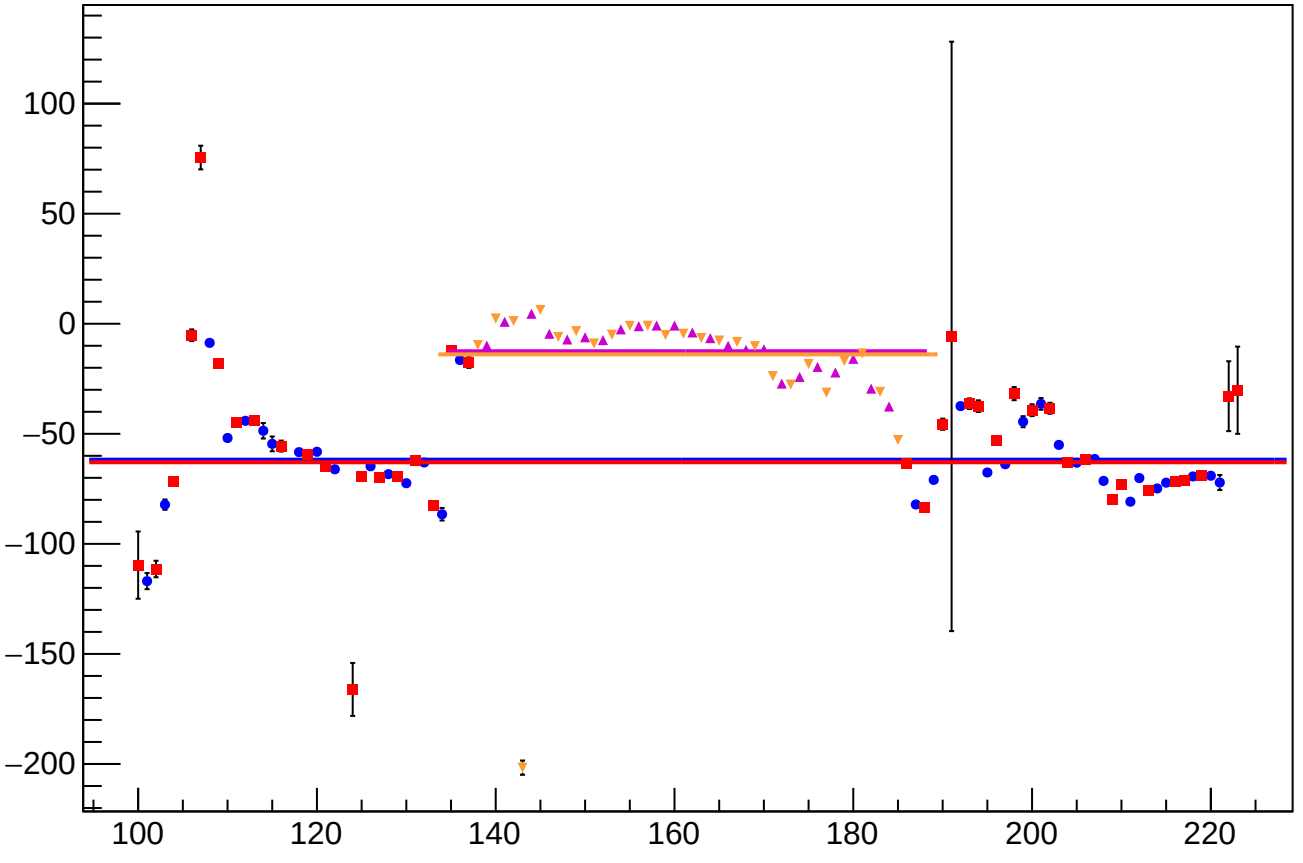
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 0.755+/-0.179 χ^2/NDF: 991.7/58

All: 0.877+/-0.127 χ^2/NDF: 1856.1/120

- sign 1.001+/-0.180 χ^2/NDF: 863.5/61

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -61.756+/-0.318 χ^2/NDF: 3707.0/33

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

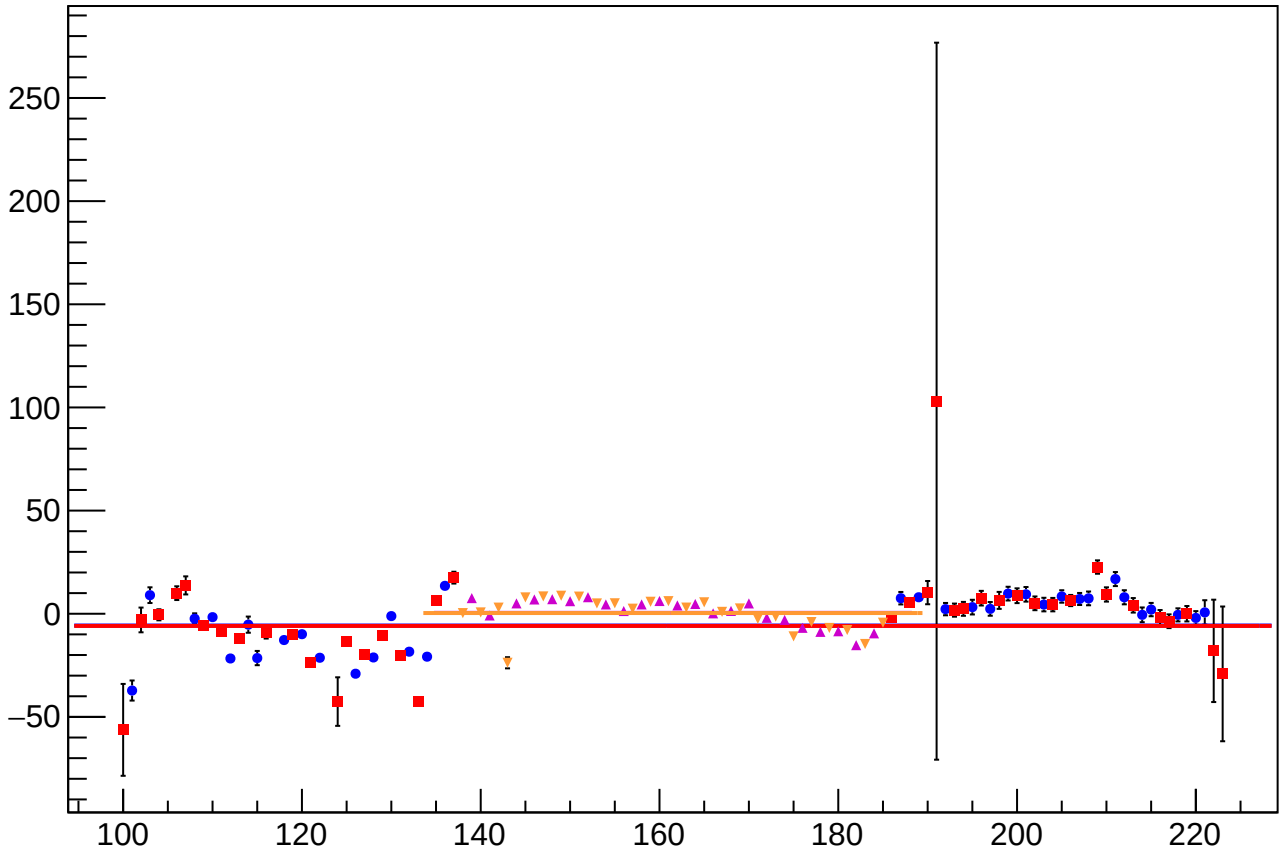
Right Out: -62.932+/-0.282 χ^2/NDF: 5728.5/38

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -33.505+/-0.203 χ^2/NDF: 22217.5/58

All: -35.073+/-0.141 χ^2/NDF: 46264.4/120

- sign -36.506+/-0.194 χ^2/NDF: 23933.2/61



Right In: -5.715+/-0.421 χ^2/NDF: 1015.2/33

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

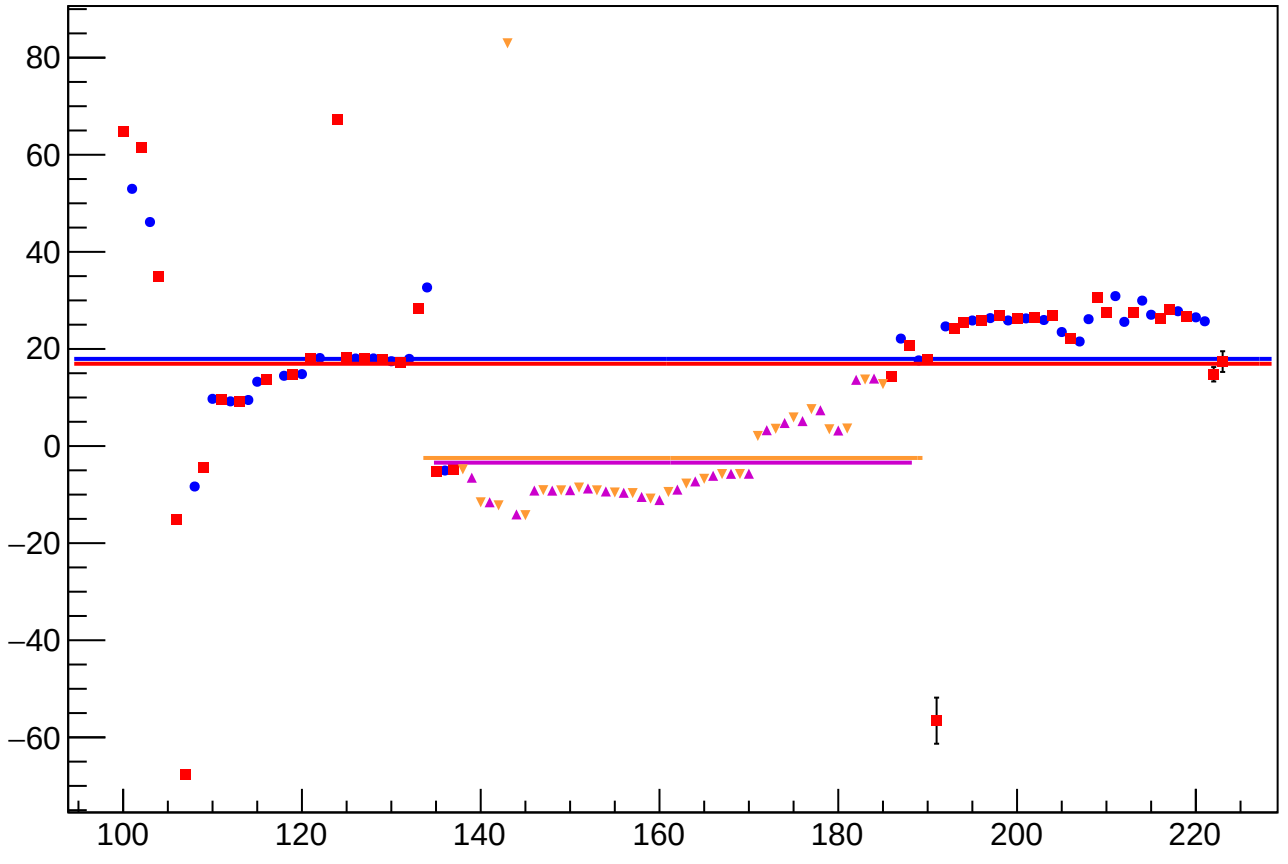
Right Out: -5.901+/-0.412 χ^2/NDF: 1055.2/38

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.059+/-0.203 χ^2/NDF: 2096.2/58

All: -1.097+/-0.144 χ^2/NDF: 4111.0/120

\- sign -1.136+/-0.205 χ^2/NDF: 2014.7/61



Right In: 17.955+/-0.021 χ^2/NDF: 460714.3/33

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

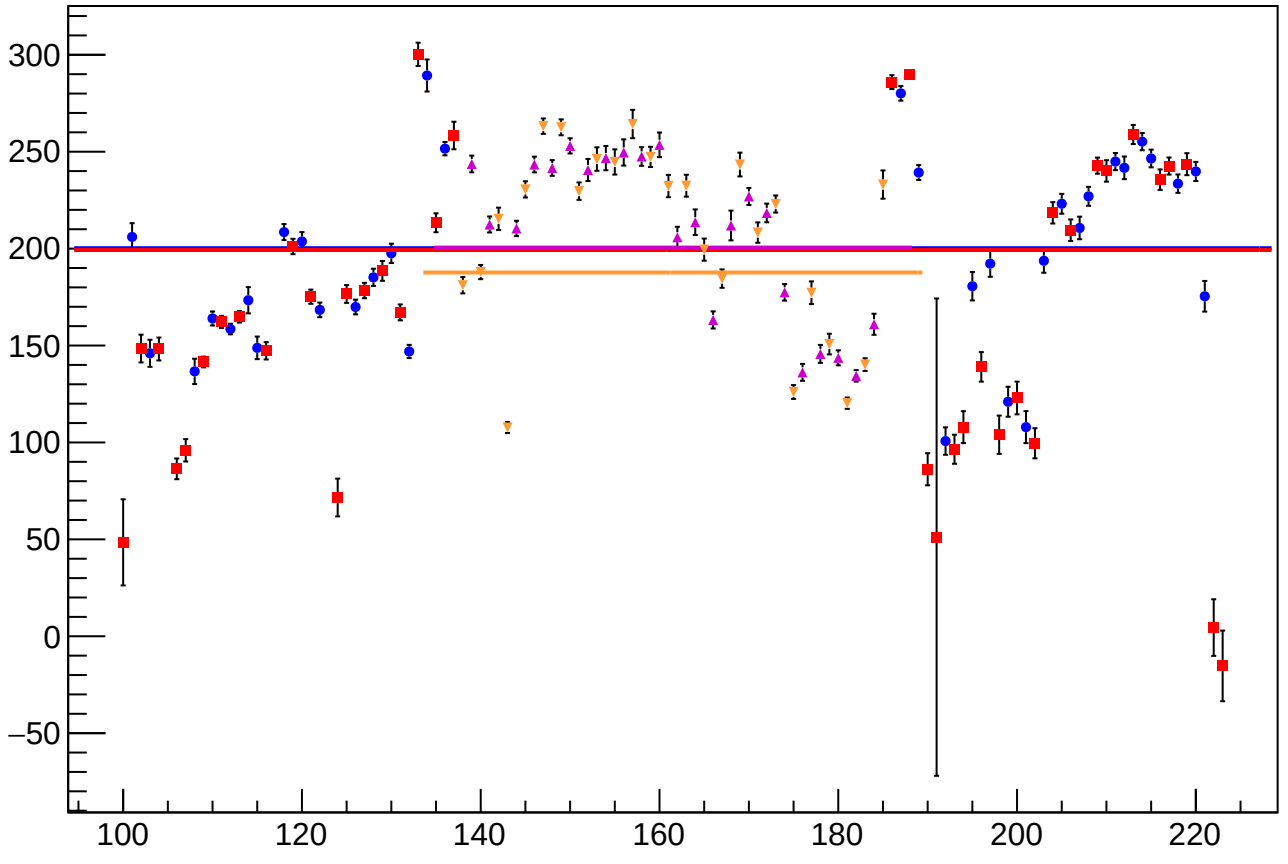
Right Out: 16.952+/-0.021 χ^2/NDF: 582898.8/38

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.413+/-0.009 χ^2/NDF: 2158363.2/58

All: 0.951+/-0.007 χ^2/NDF: 4021870.6/120

- sign 0.482+/-0.009 χ^2/NDF: 1858560.5/61



Right In: 200.212+/-0.820 χ^2/NDF: 2895.7/33

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 199.278+/-0.762 χ^2/NDF: 6899.9/38

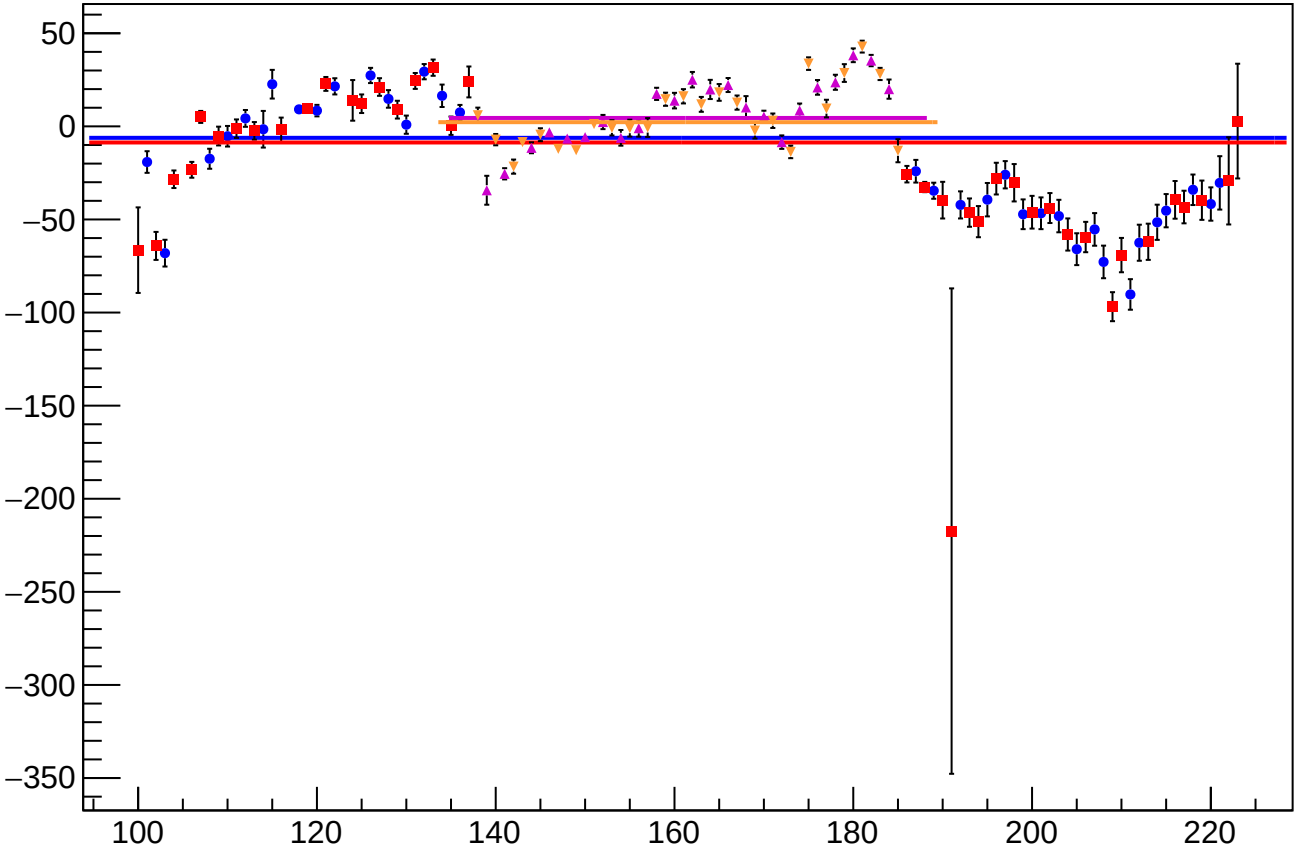
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 194.515+/-0.605 χ^2/NDF: 6530.3/58

All: 197.180+/-0.425 χ^2/NDF: 15580.8/120

- sign 199.762+/-0.596 χ^2/NDF: 9012.3/61

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -6.159+/-0.953 χ^2/NDF: 912.9/33

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

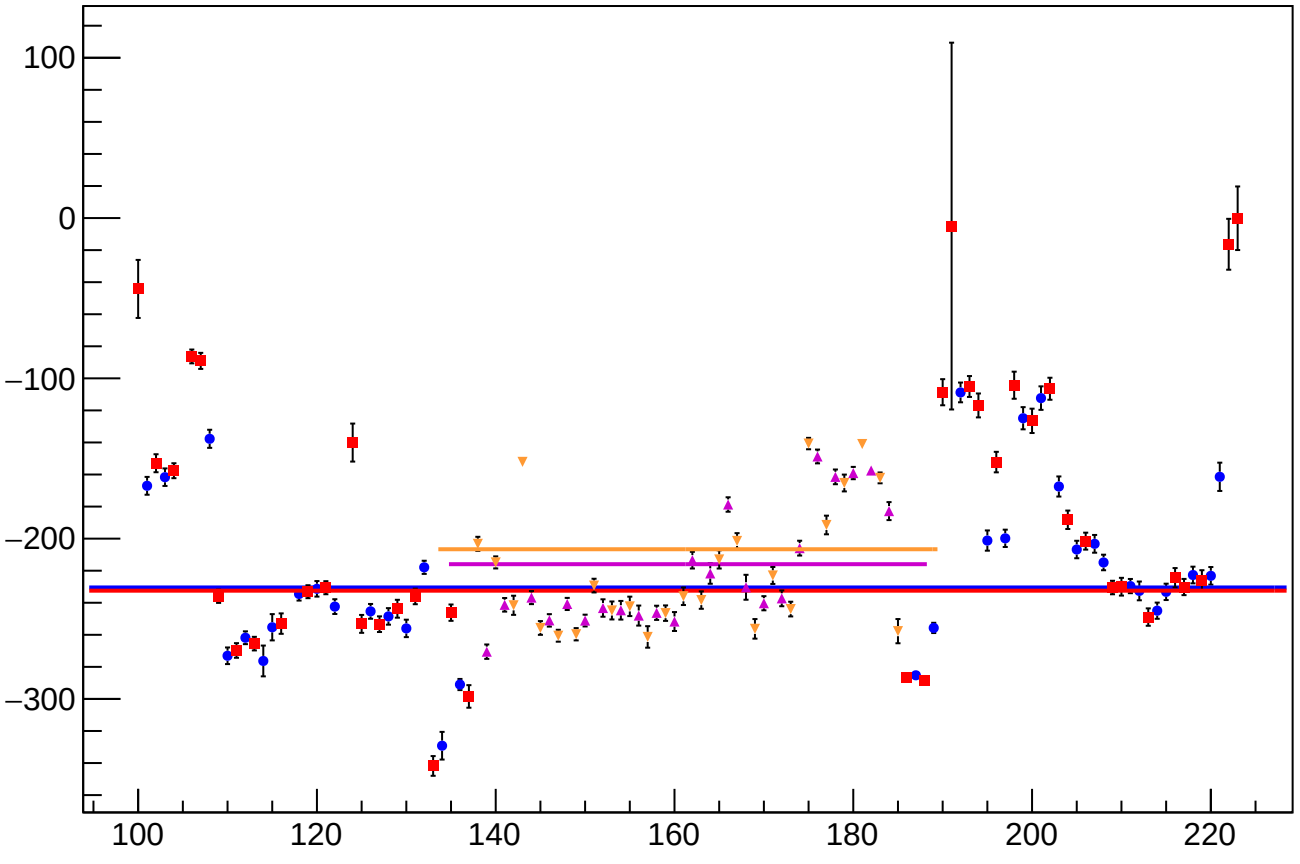
Right Out: -8.660+/-0.889 χ^2/NDF: 981.6/38

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.505+/-0.545 χ^2/NDF: 1566.1/58

All: -0.577+/-0.390 χ^2/NDF: 3228.3/120

- sign -0.652+/-0.557 χ^2/NDF: 1662.1/61



Right In: -230.460+/-0.861 χ^2/NDF: 2757.4/33

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

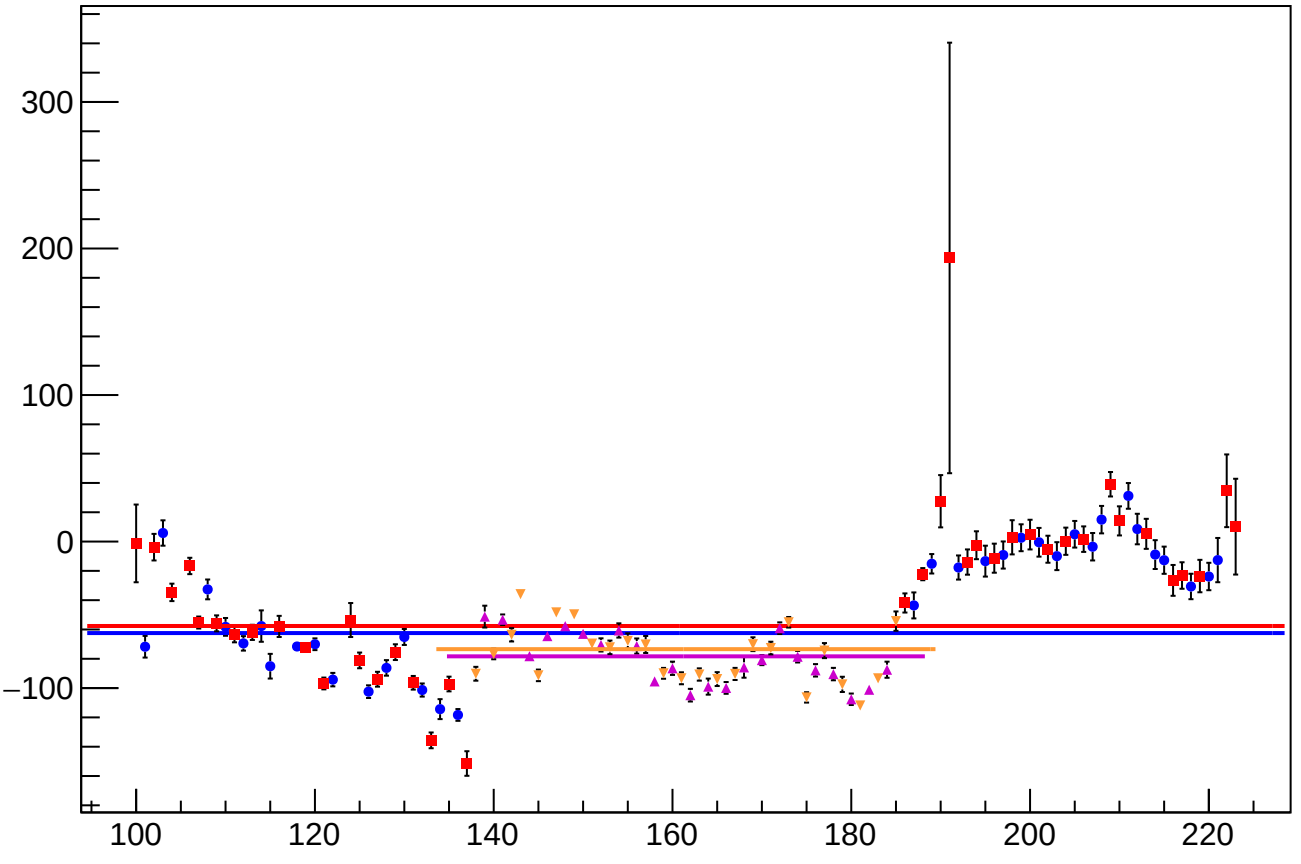
Right Out: -232.465+/-0.776 χ^2/NDF: 6996.2/38

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.991+/-0.621 χ^2/NDF: 5593.7/58

All: -222.522+/-0.431 χ^2/NDF: 14547.0/120

- sign -225.821+/-0.600 χ^2/NDF: 8890.6/61



Right In: -62.446+/-1.107 χ^2/NDF: 1267.7/33

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

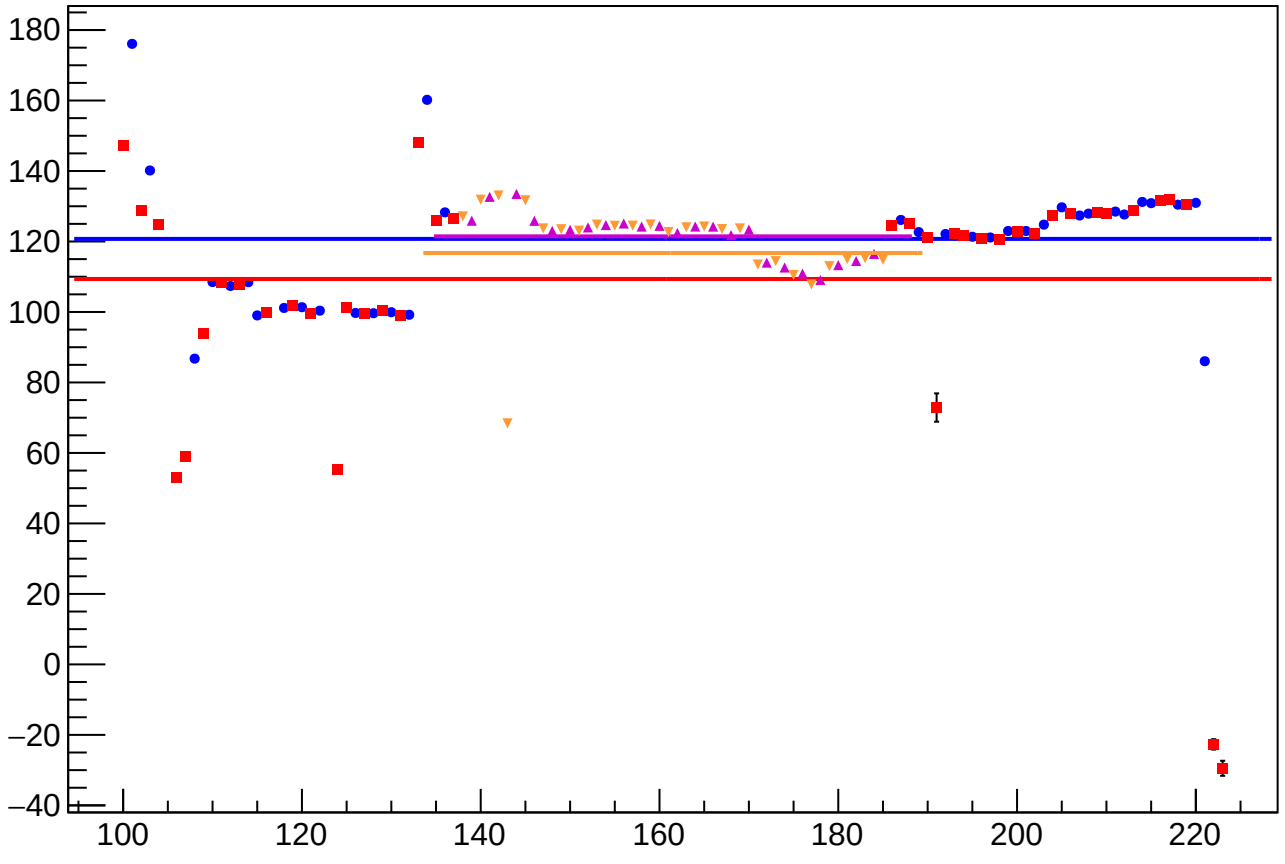
Right Out: -57.618+/-1.054 χ^2/NDF: 1415.4/38

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -69.864+/-0.630 χ^2/NDF: 2170.7/58

All: -70.200+/-0.451 χ^2/NDF: 4271.0/120

\- sign -70.553+/-0.646 χ^2/NDF: 2099.7/61



Right In: 120.735+/-0.058 χ^2/NDF: 102025.7/33

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

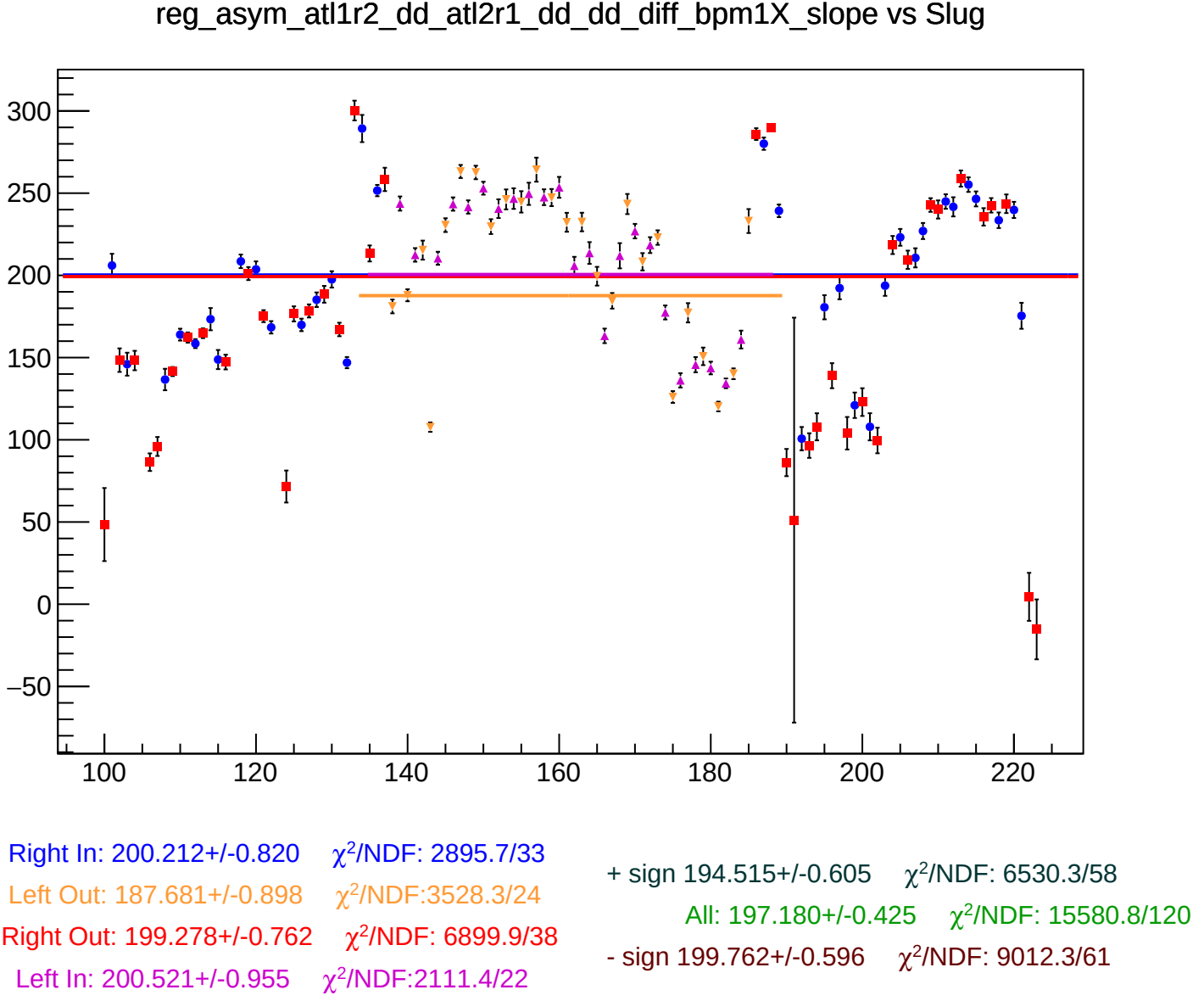
Right Out: 109.364+/-0.054 χ^2/NDF: 230070.3/38

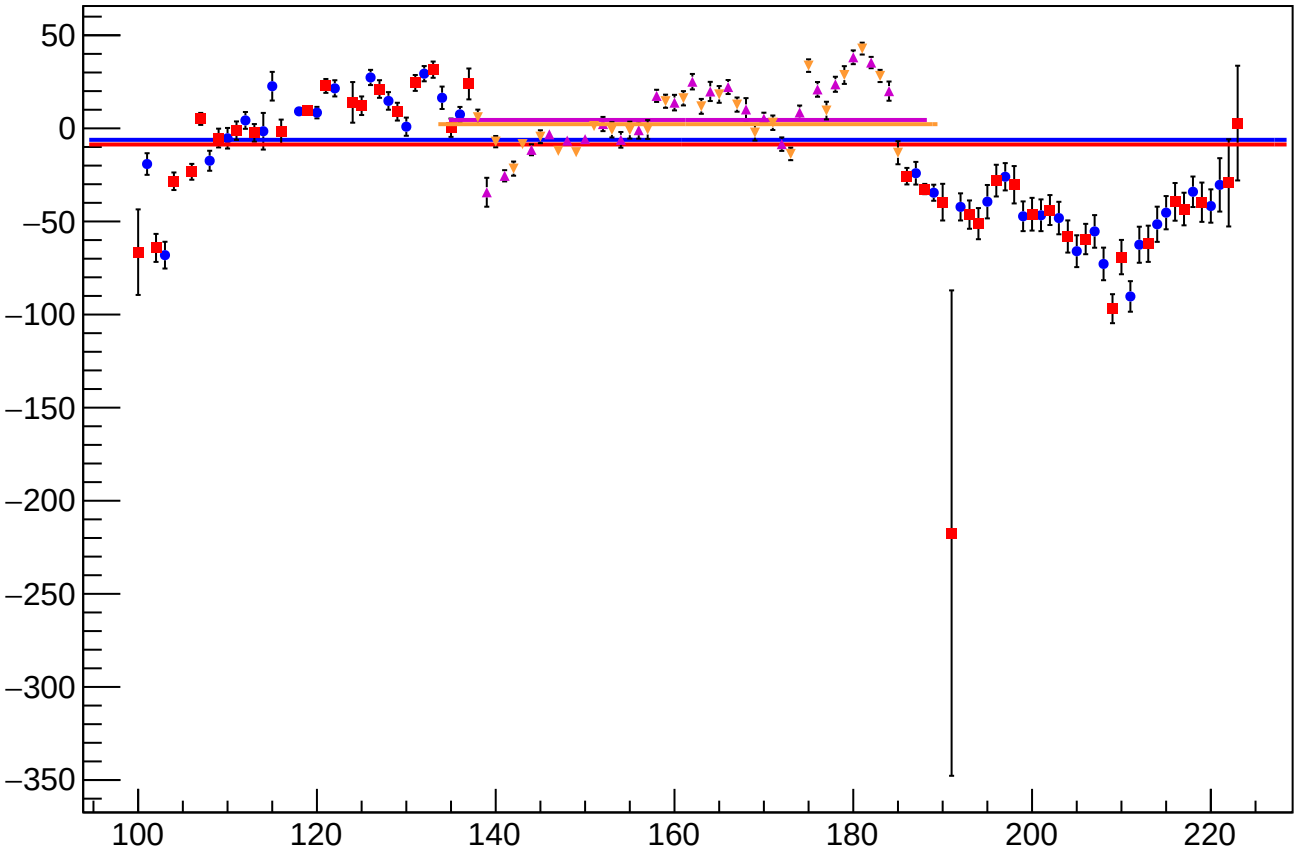
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.833+/-0.031 χ^2/NDF: 309078.8/58

All: 117.701+/-0.022 χ^2/NDF: 601823.1/120

\- sign 117.568+/-0.031 χ^2/NDF: 292706.8/61


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug
300
250
200
150
100
50
0
−50
100
120
140
160
180
200
220
Right In: 200.212+/-0.820 χ²/NDF: 2895.7/33
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 199.278+/-0.762 χ²/NDF: 6899.9/38
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
+ sign 194.515+/-0.605 χ²/NDF: 6530.3/58
All: 197.180+/-0.425 χ²/NDF: 15580.8/120
- sign 199.762+/-0.596 χ²/NDF: 9012.3/61



Right In: -6.159+/-0.953 χ^2/NDF: 912.9/33

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

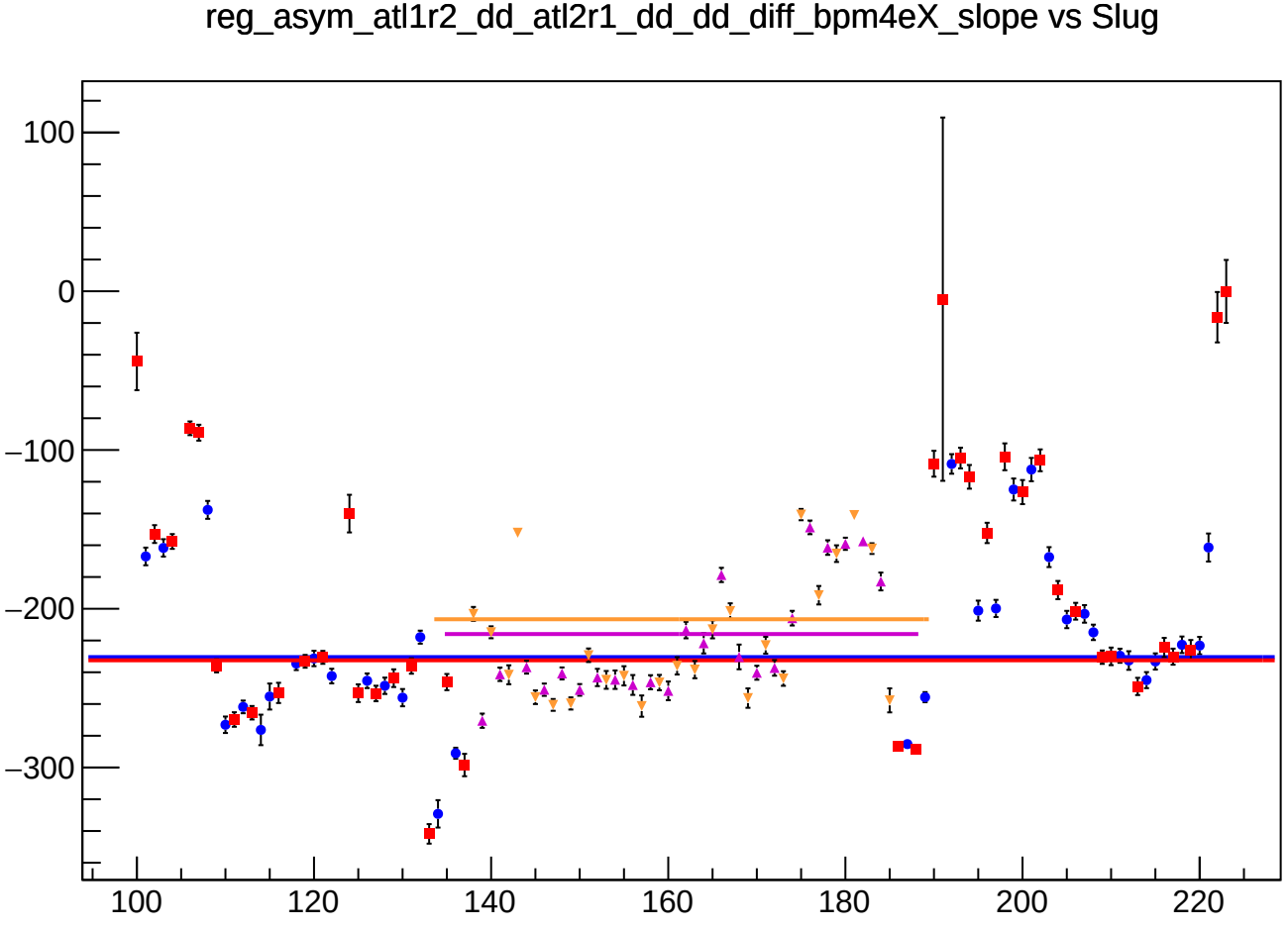
Right Out: -8.660+/-0.889 χ^2/NDF: 981.6/38

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.505+/-0.545 χ^2/NDF: 1566.1/58

All: -0.577+/-0.390 χ^2/NDF: 3228.3/120

- sign -0.652+/-0.557 χ^2/NDF: 1662.1/61



Right In: -230.460+/-0.861 χ^2/NDF: 2757.4/33

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

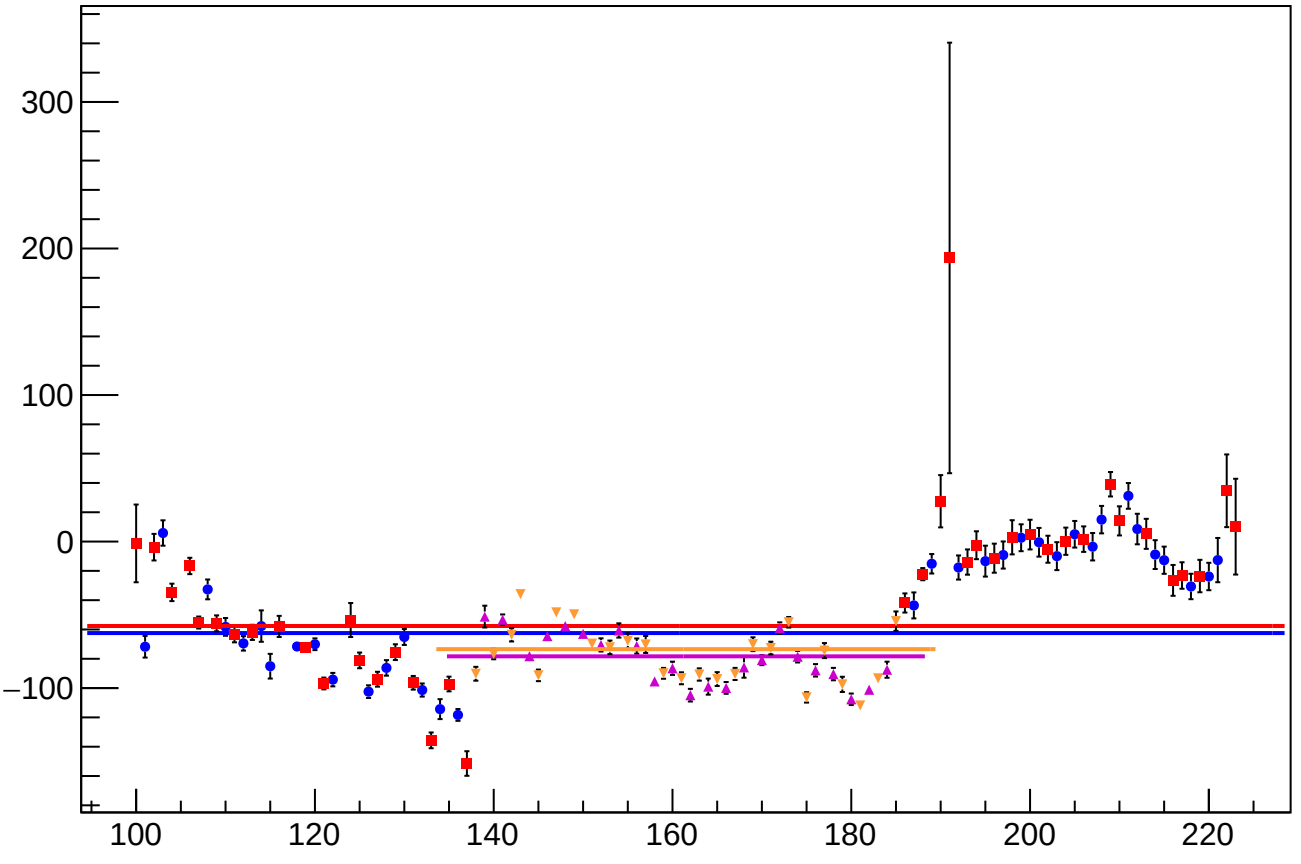
Right Out: -232.465+/-0.776 χ^2/NDF: 6996.2/38

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.991+/-0.621 χ^2/NDF: 5593.7/58

All: -222.522+/-0.431 χ^2/NDF: 14547.0/120

- sign -225.821+/-0.600 χ^2/NDF: 8890.6/61



Right In: -62.446+/-1.107 χ^2/NDF: 1267.7/33

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

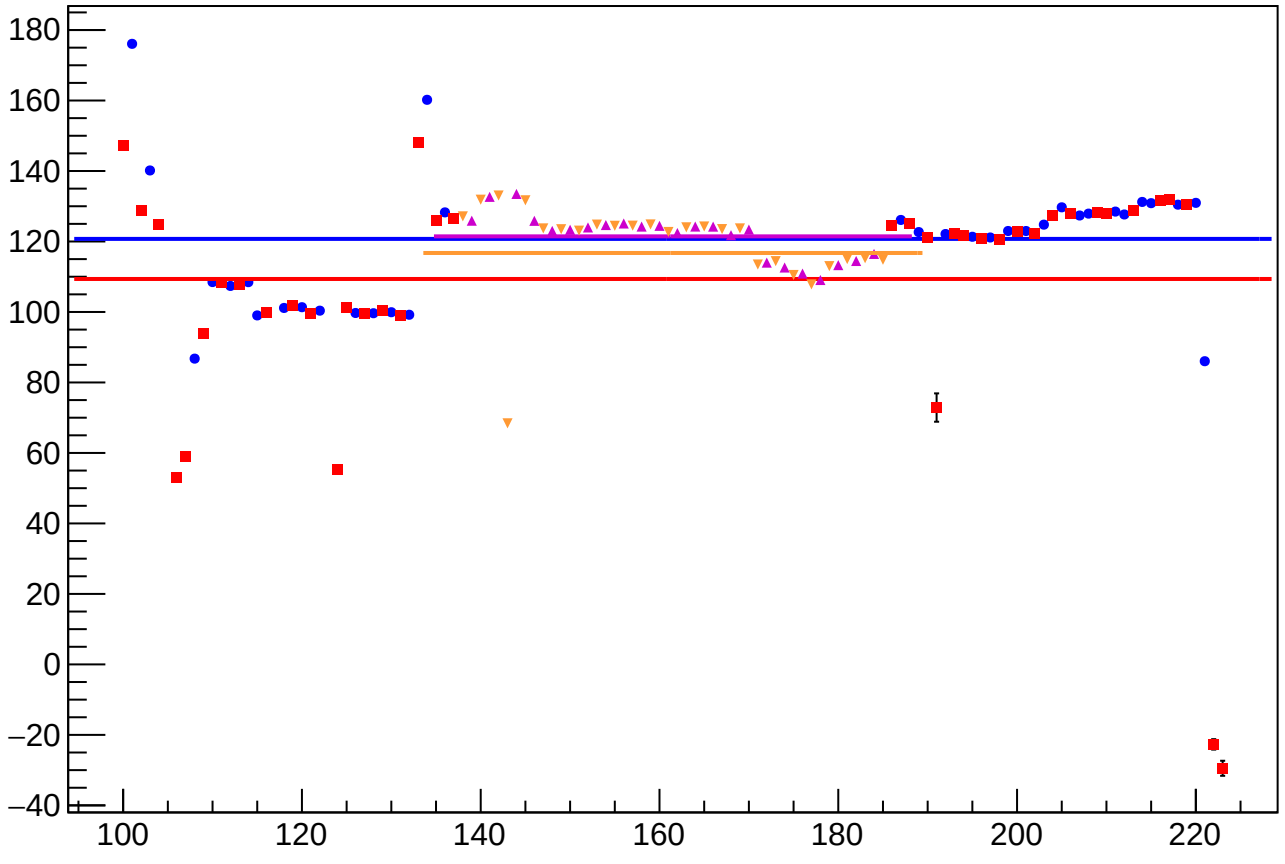
Right Out: -57.618+/-1.054 χ^2/NDF: 1415.4/38

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -69.864+/-0.630 χ^2/NDF: 2170.7/58

All: -70.200+/-0.451 χ^2/NDF: 4271.0/120

- sign -70.553+/-0.646 χ^2/NDF: 2099.7/61



Right In: 120.735+/-0.058 χ^2/NDF: 102025.7/33

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

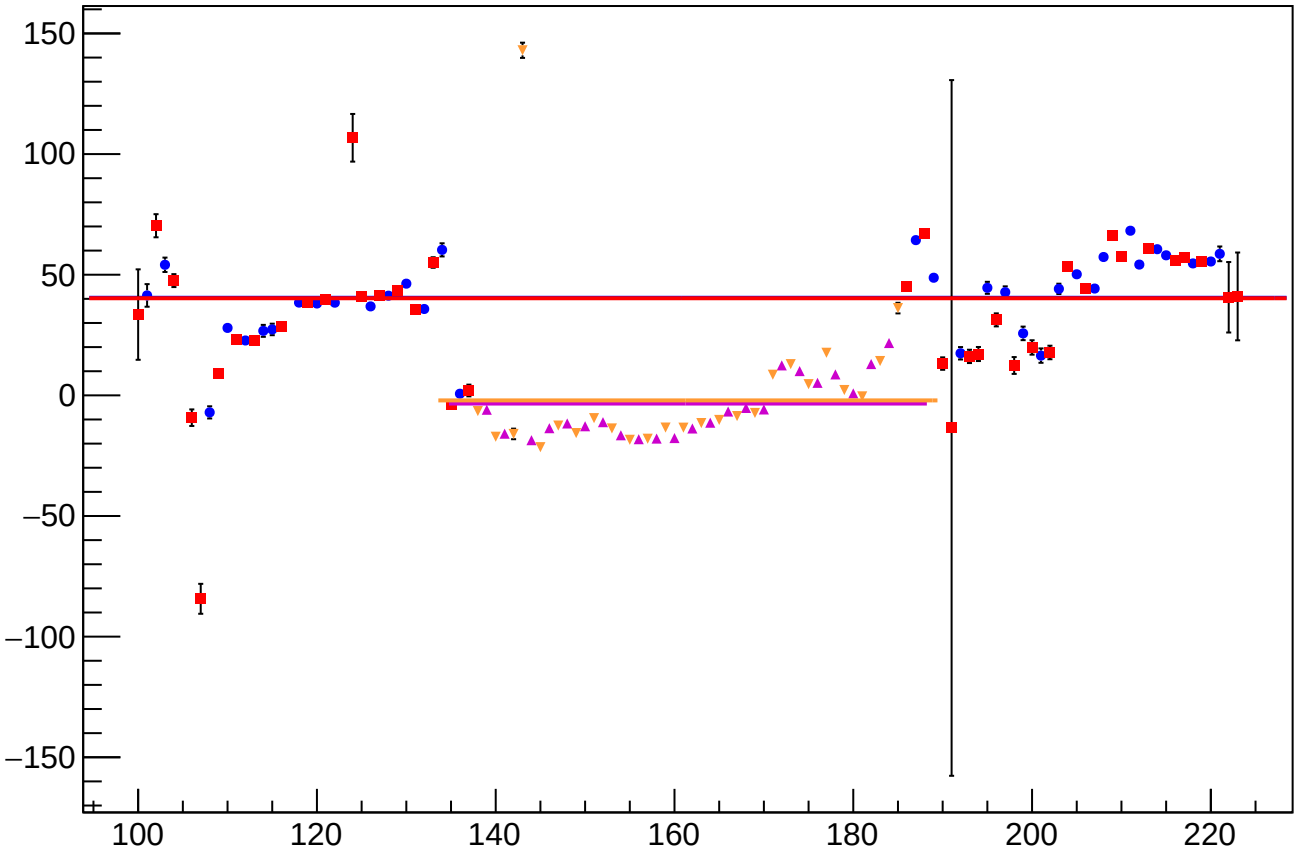
Right Out: 109.364+/-0.054 χ^2/NDF: 230070.3/38

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.833+/-0.031 χ^2/NDF: 309078.8/58

All: 117.701+/-0.022 χ^2/NDF: 601823.1/120

\- sign 117.568+/-0.031 χ^2/NDF: 292706.8/61



Right In: 40.441+/-0.305 χ^2/NDF: 3503.9/33

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

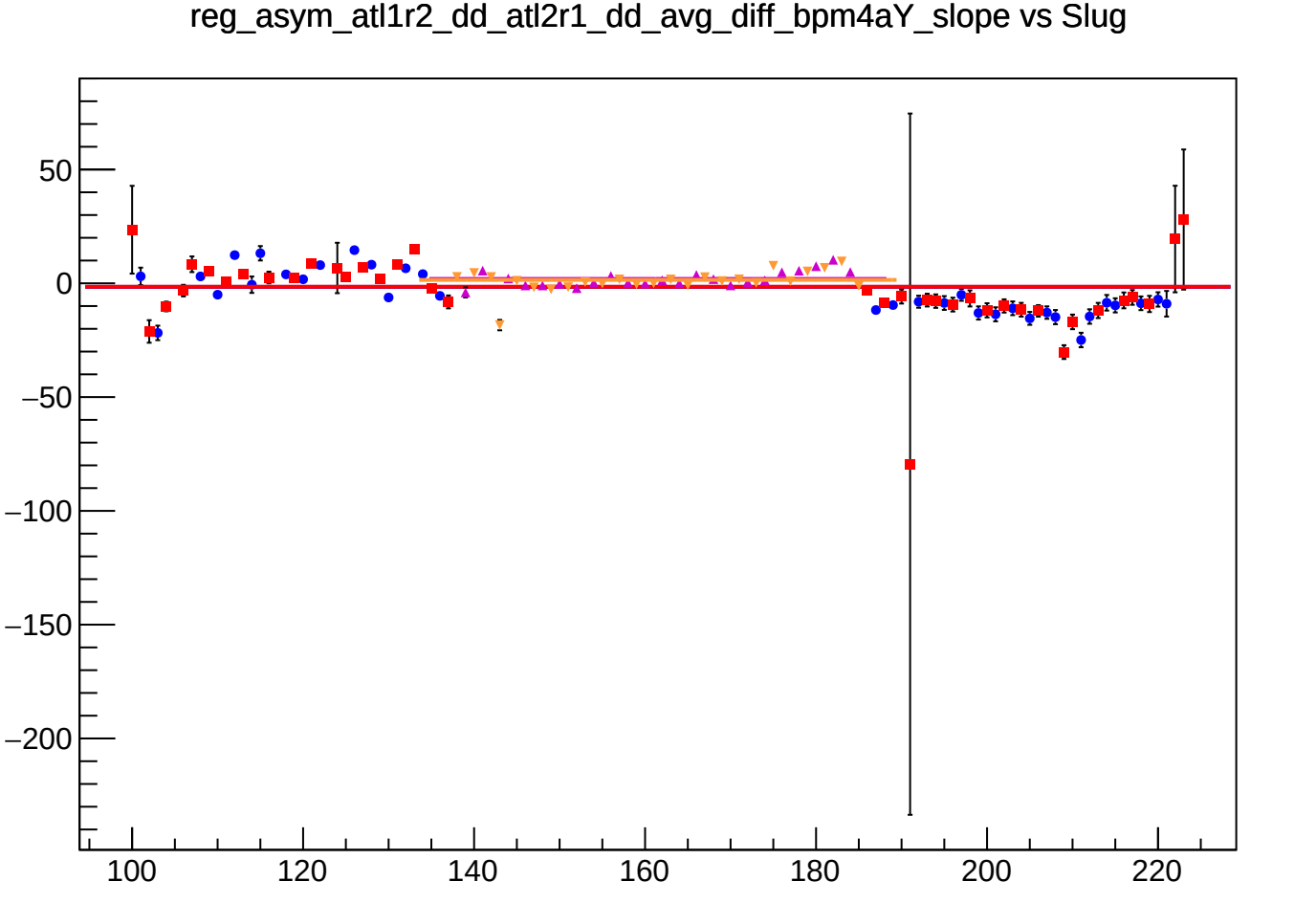
Right Out: 40.249+/-0.282 χ^2/NDF: 5579.2/38

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 16.362+/-0.201 χ^2/NDF: 18733.7/58

All: 16.974+/-0.140 χ^2/NDF: 38503.5/120

- sign 17.555+/-0.196 χ^2/NDF: 19751.7/61



Right In: -1.574+/-0.365 χ^2/NDF: 609.6/33

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.519+/-0.346 χ^2/NDF: 550.1/38

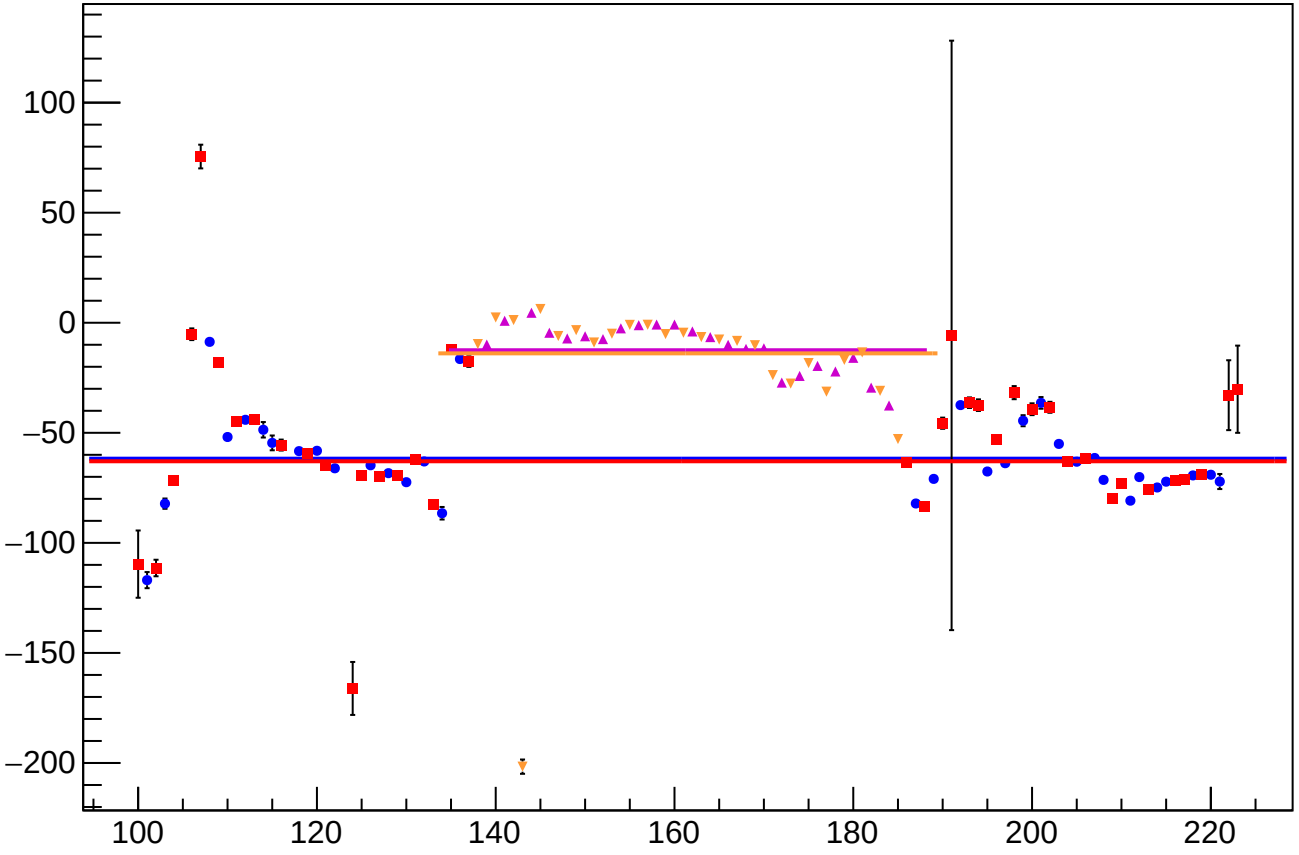
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 0.755+/-0.179 χ^2/NDF: 991.7/58

All: 0.877+/-0.127 χ^2/NDF: 1856.1/120

- sign 1.001+/-0.180 χ^2/NDF: 863.5/61

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -61.756+/-0.318 χ^2/NDF: 3707.0/33

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

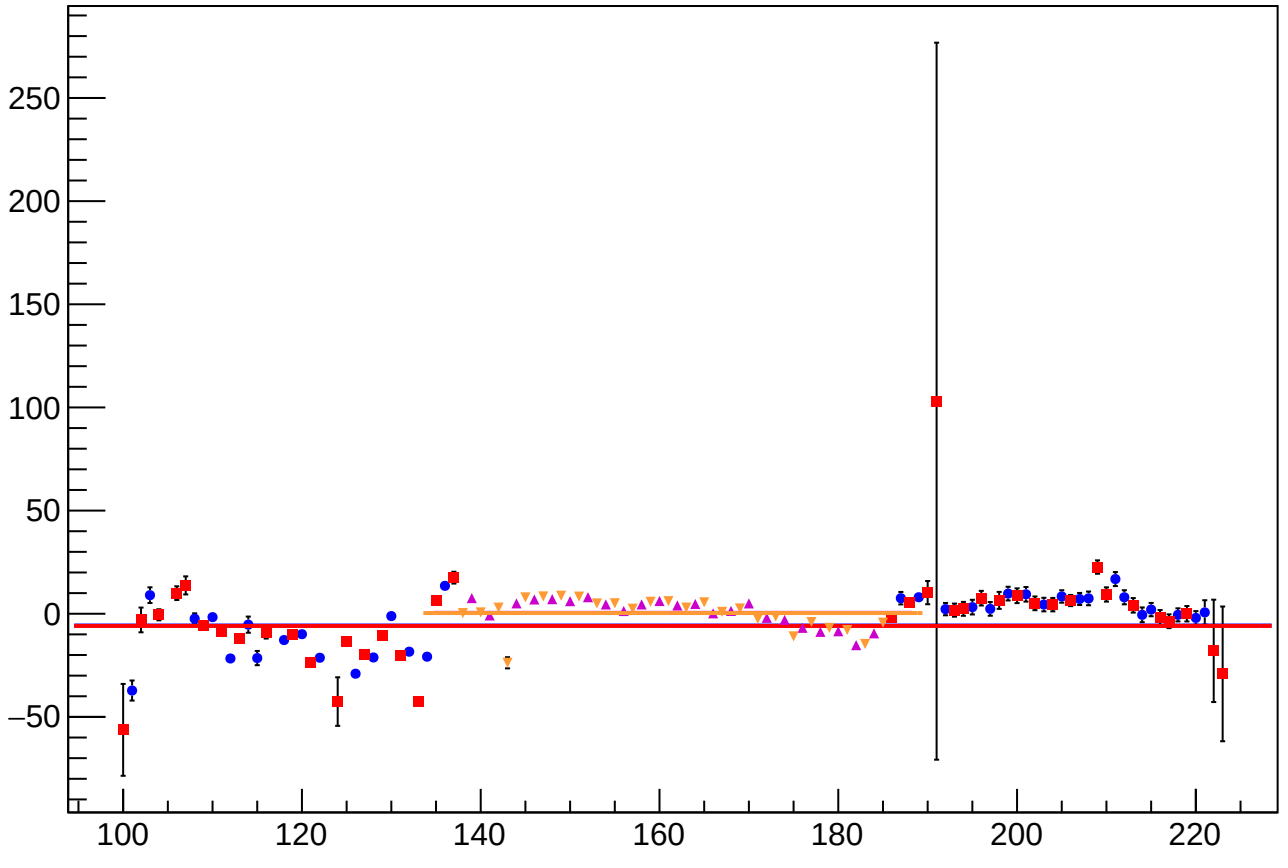
Right Out: -62.932+/-0.282 χ^2/NDF: 5728.5/38

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -33.505+/-0.203 χ^2/NDF: 22217.5/58

All: -35.073+/-0.141 χ^2/NDF: 46264.4/120

- sign -36.506+/-0.194 χ^2/NDF: 23933.2/61



Right In: -5.715+/-0.421 χ^2/NDF: 1015.2/33

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

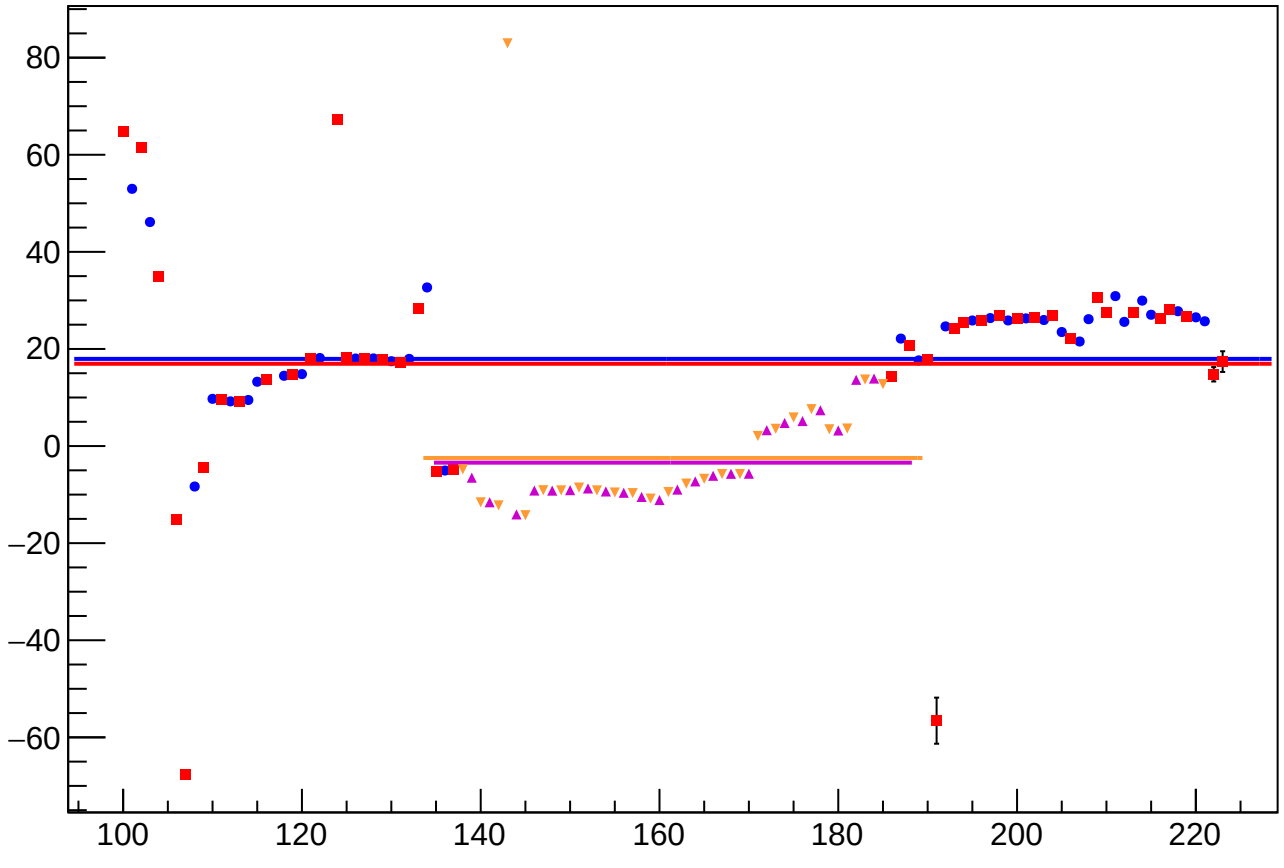
Right Out: -5.901+/-0.412 χ^2/NDF: 1055.2/38

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.059+/-0.203 χ^2/NDF: 2096.2/58

All: -1.097+/-0.144 χ^2/NDF: 4111.0/120

\- sign -1.136+/-0.205 χ^2/NDF: 2014.7/61



Right In: 17.955+/-0.021 χ^2/NDF: 460714.3/33

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

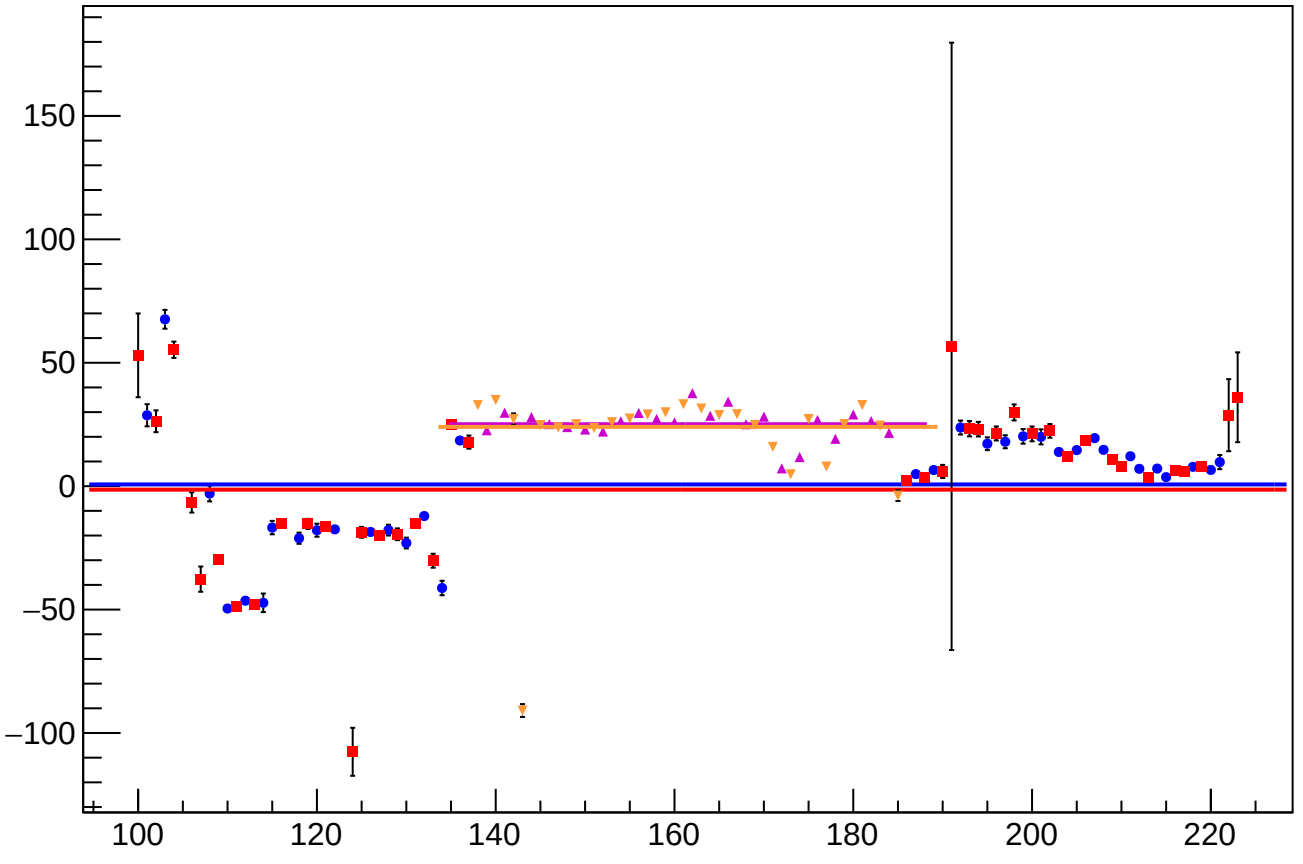
Right Out: 16.952+/-0.021 χ^2/NDF: 582898.8/38

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.413+/-0.009 χ^2/NDF: 2158363.2/58

All: 0.951+/-0.007 χ^2/NDF: 4021870.6/120

- sign 0.482+/-0.009 χ^2/NDF: 1858560.5/61



Right In: 0.702+/-0.338 χ^2/NDF: 3756.8/33

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.406+/-0.331 χ^2/NDF: 3978.9/38

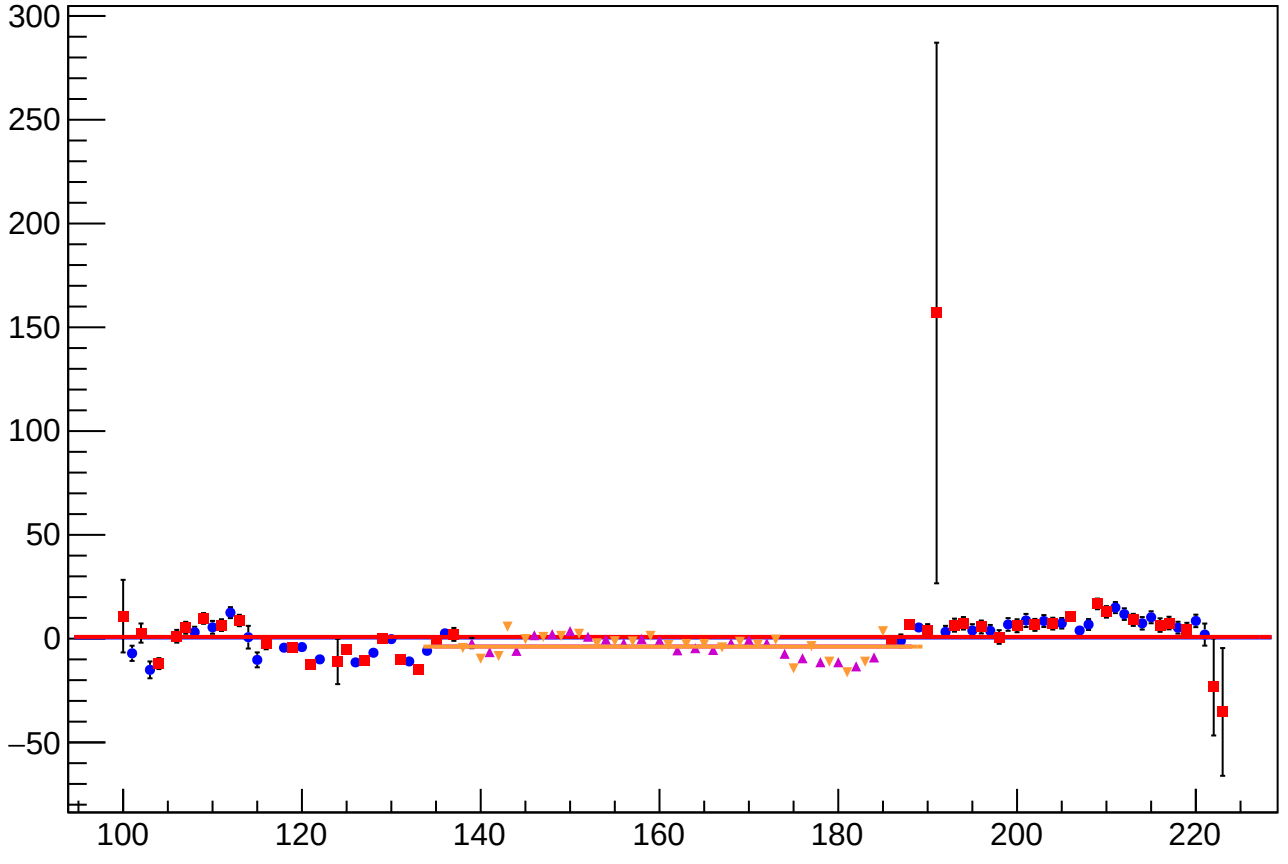
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 14.436+/-0.216 χ^2/NDF: 9370.8/58

All: 14.081+/-0.153 χ^2/NDF: 17500.6/120

\- sign 13.724+/-0.217 χ^2/NDF: 8124.4/61

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 0.553+/-0.425 χ^2/NDF: 296.8/33

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

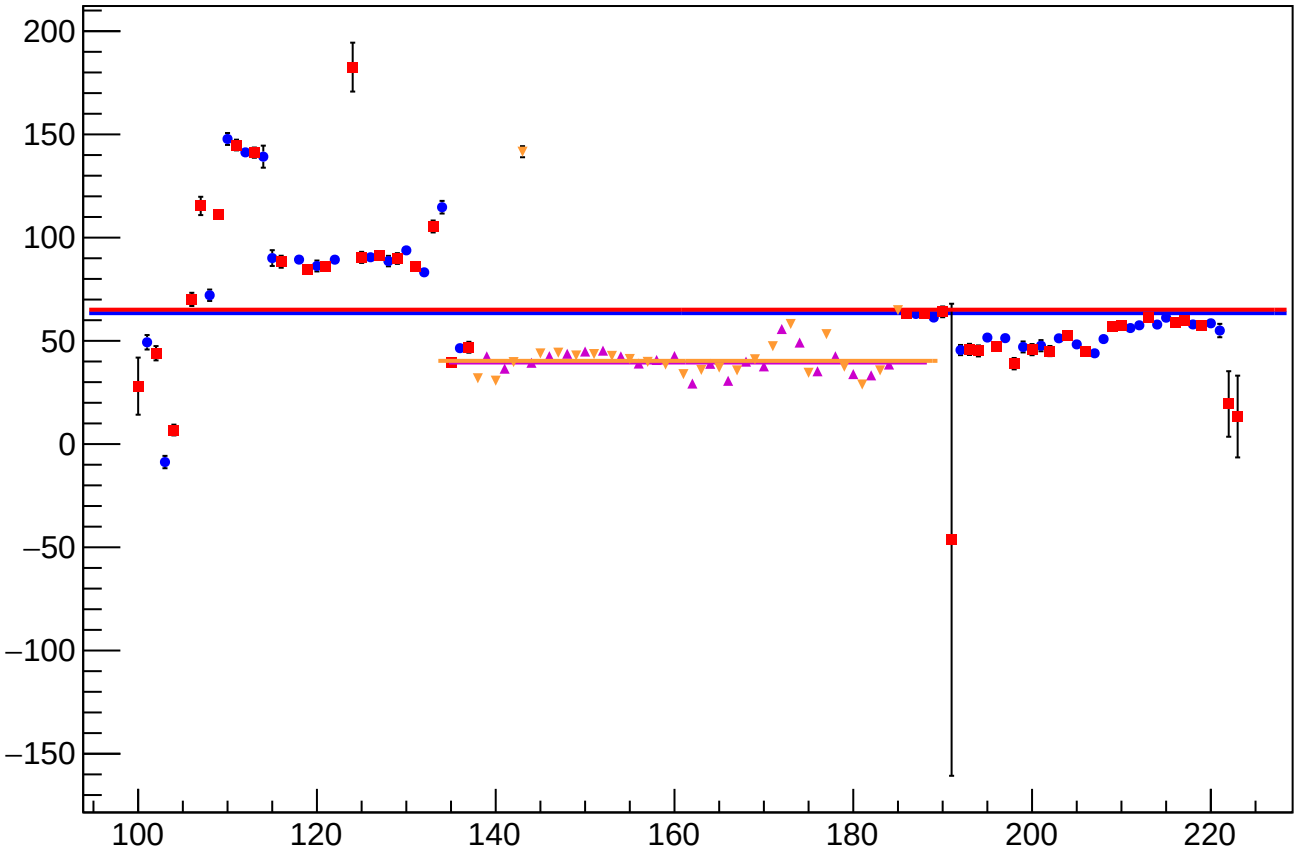
Right Out: 0.838+/-0.417 χ^2/NDF: 367.1/38

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -2.931+/-0.194 χ^2/NDF: 1030.9/58

All: -2.841+/-0.138 χ^2/NDF: 2003.7/120

- sign -2.747+/-0.197 χ^2/NDF: 972.3/61



Right In: 63.409+/-0.351 χ^2/NDF: 4703.3/33

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

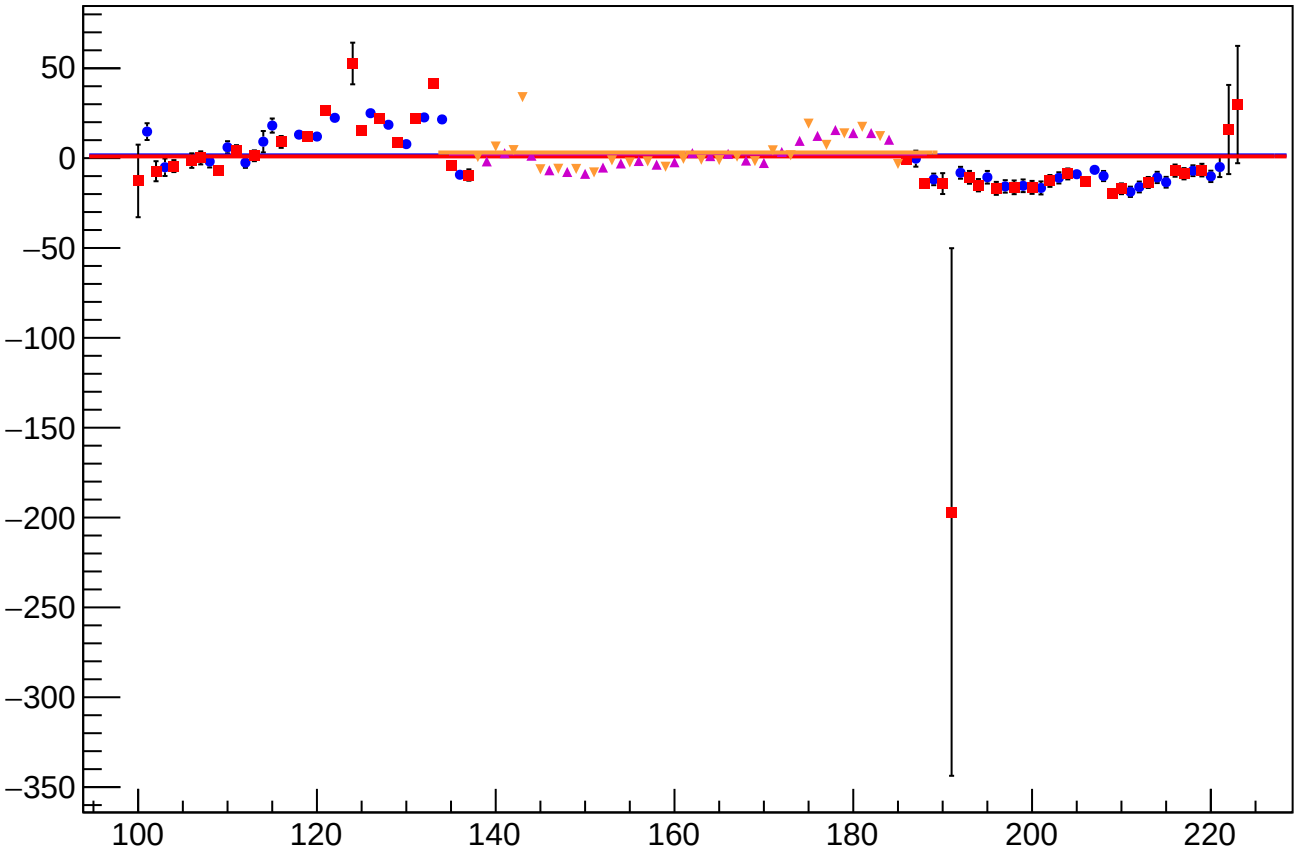
Right Out: 65.096+/-0.335 χ^2/NDF: 4887.9/38

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 49.315+/-0.219 χ^2/NDF: 9534.3/58

All: 49.776+/-0.154 χ^2/NDF: 18249.2/120

- sign 50.230+/-0.217 χ^2/NDF: 8706.0/61



Right In: 1.540+/-0.482 χ^2/NDF: 874.8/33

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

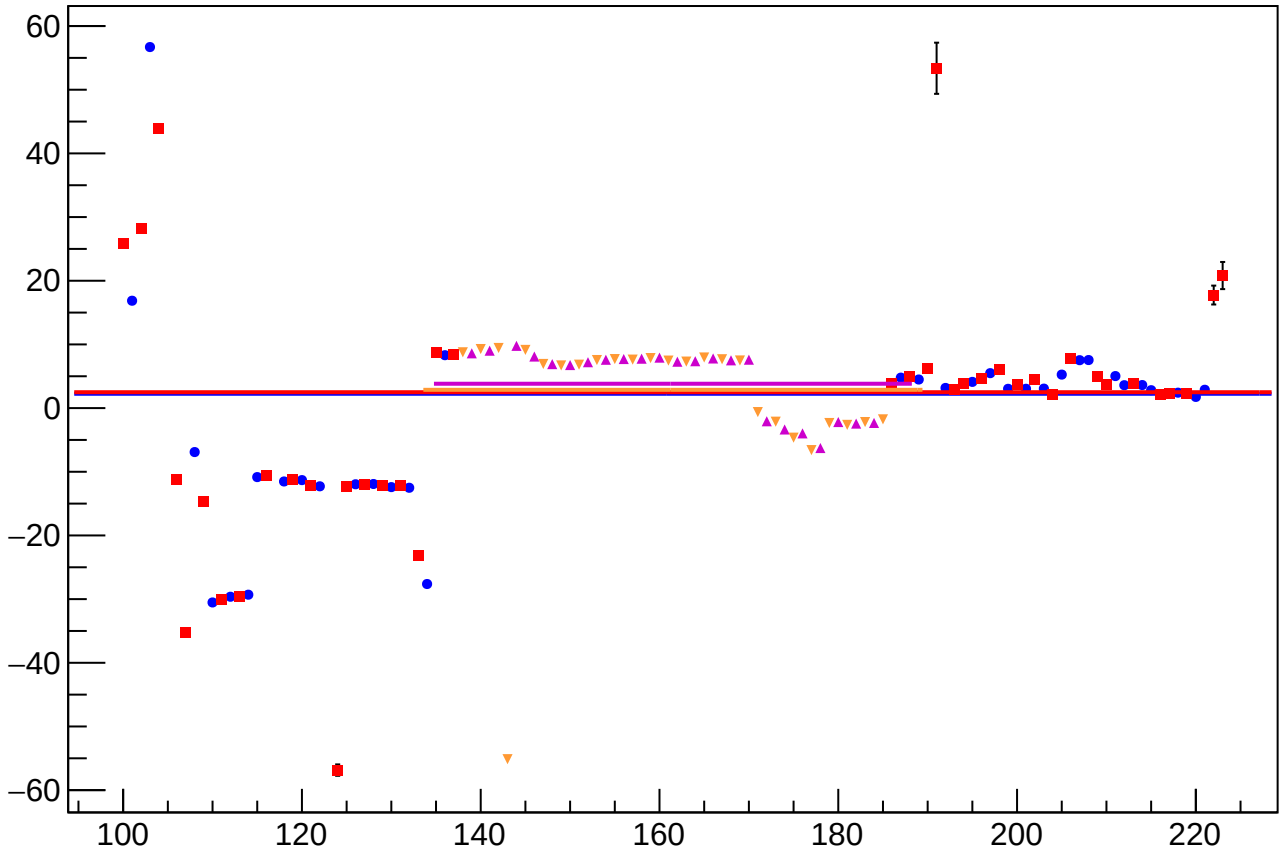
Right Out: 0.955+/-0.485 χ^2/NDF: 1048.2/38

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 2.812+/-0.219 χ^2/NDF: 2150.6/58

All: 2.506+/-0.156 χ^2/NDF: 4179.2/120

- sign 2.188+/-0.223 χ^2/NDF: 2024.5/61



Right In: 2.251+/-0.023 χ^2/NDF: 383025.3/33

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.494+/-0.023 χ^2/NDF: 330942.8/38

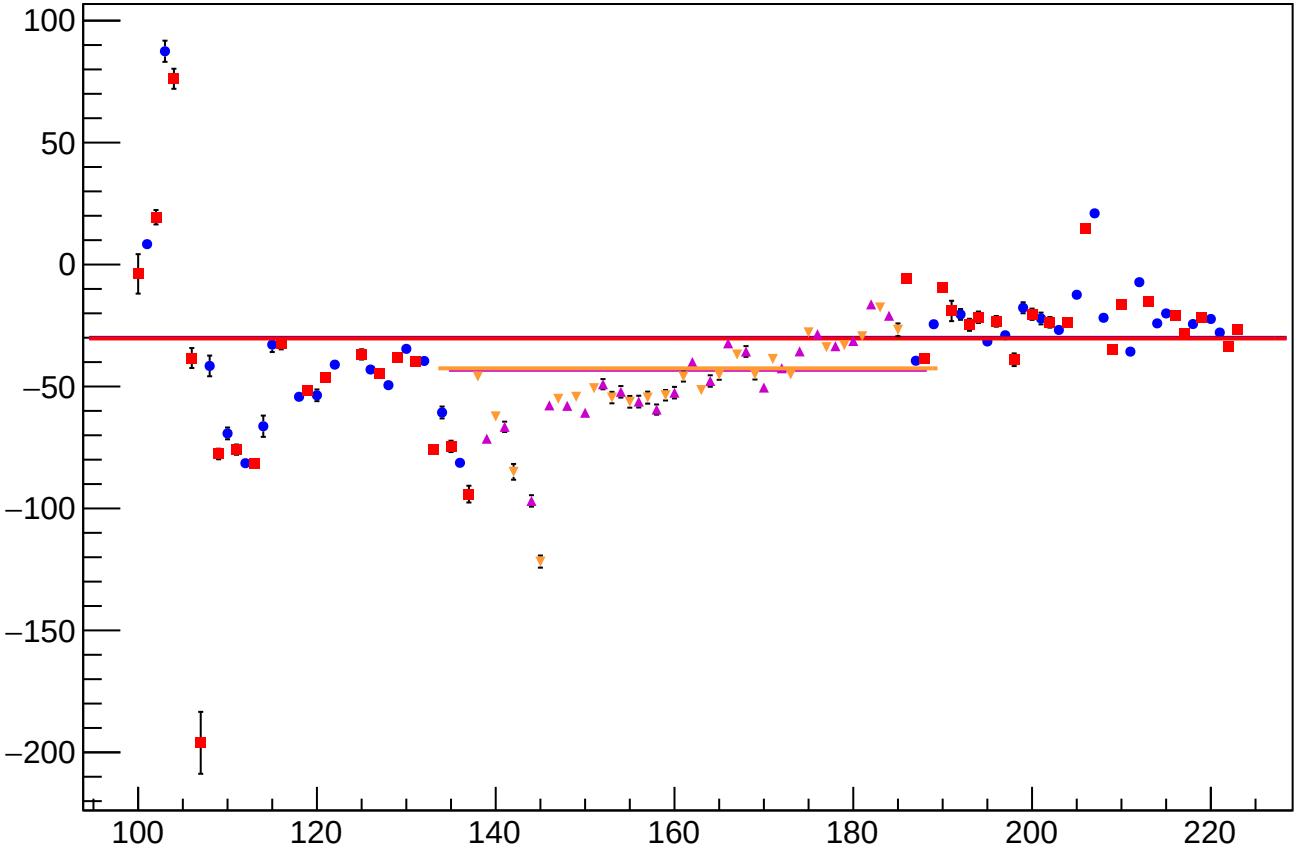
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.756+/-0.010 χ^2/NDF: 895940.8/58

All: 3.164+/-0.007 χ^2/NDF: 1466166.1/120

- sign 3.580+/-0.010 χ^2/NDF: 566811.4/61

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -30.051+/-0.303 χ^2/NDF: 5482.3/33

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -30.304+/-0.286 χ^2/NDF: 6598.4/37

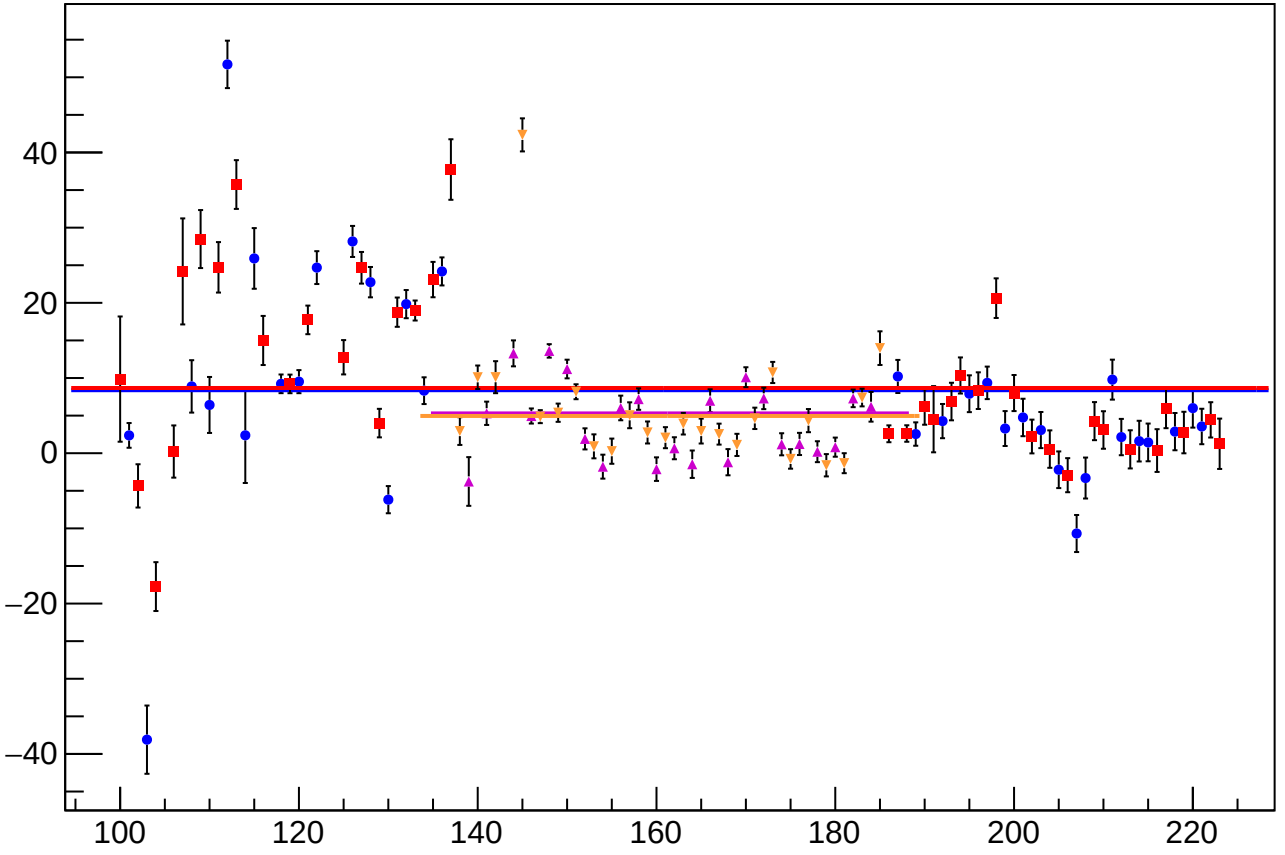
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -34.937+/-0.236 χ^2/NDF: 8475.0/57

All: -34.936+/-0.165 χ^2/NDF: 18005.3/118

\- sign -34.935+/-0.229 χ^2/NDF: 9530.3/60

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 8.380+/-0.378 χ^2/NDF: 858.0/33

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

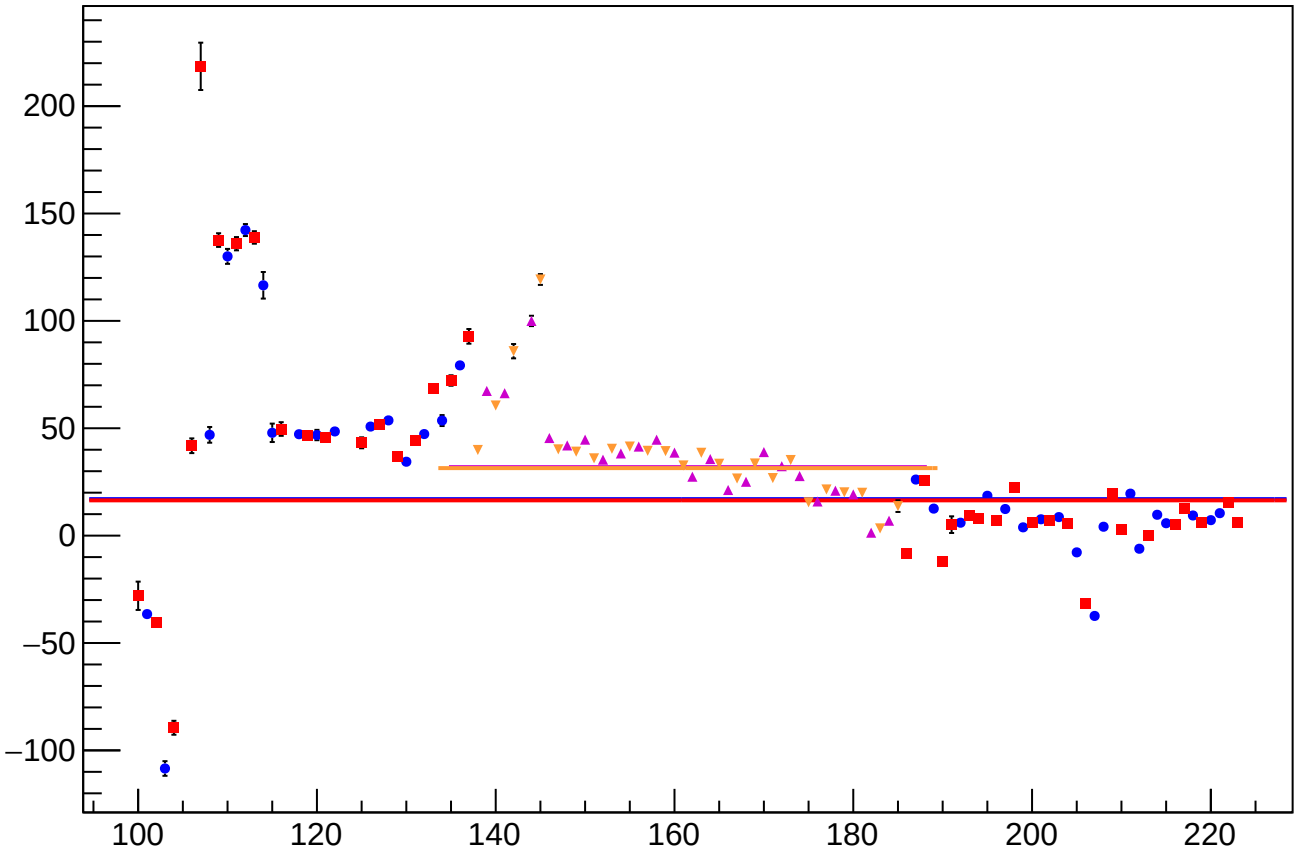
Right Out: 8.674+/-0.359 χ^2/NDF: 655.8/37

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.215+/-0.229 χ^2/NDF: 1359.0/57

All: 6.434+/-0.162 χ^2/NDF: 2356.0/118

- sign 6.650+/-0.228 χ^2/NDF: 995.3/60



Right In: 16.999+/-0.307 χ^2/NDF: 11233.3/33

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 16.430+/-0.279 χ^2/NDF: 12955.9/37

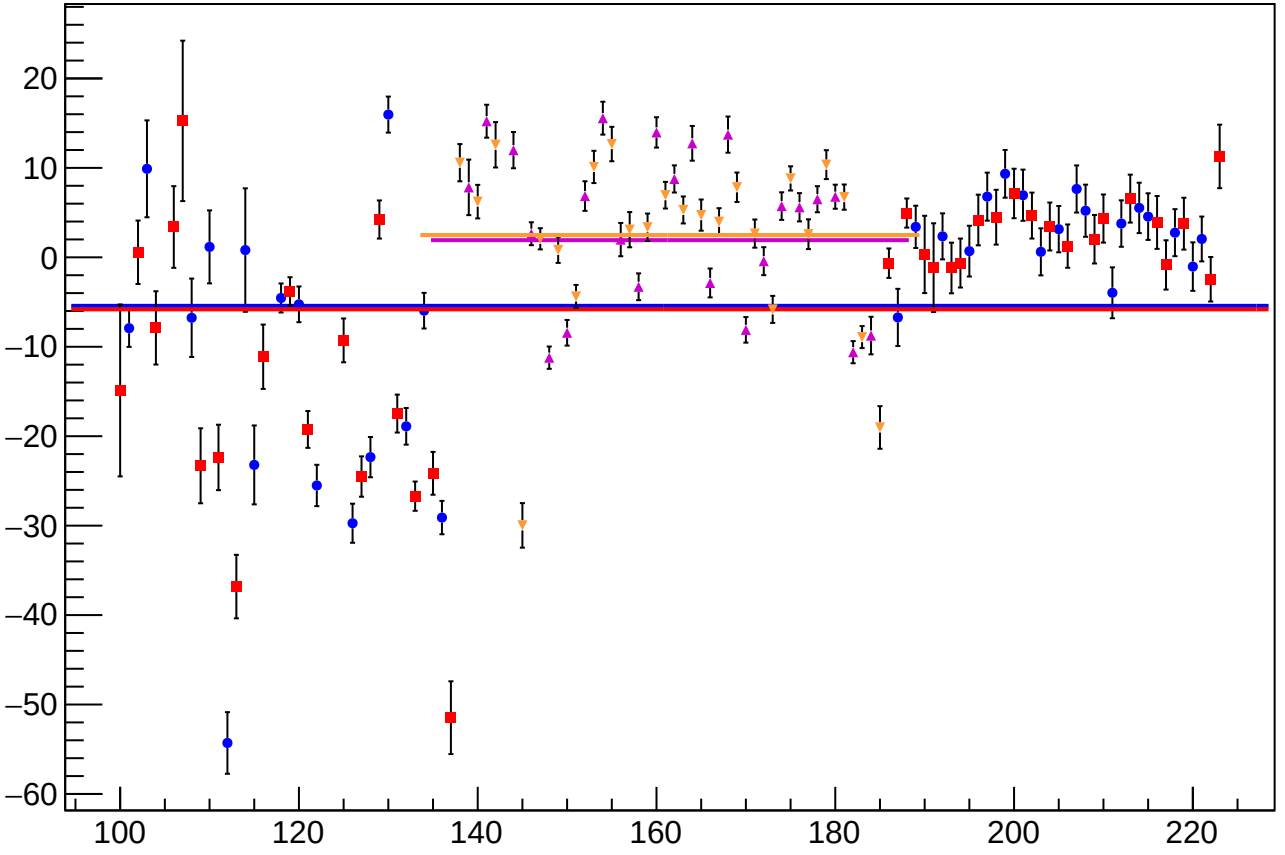
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 22.781+/-0.238 χ^2/NDF: 14881.9/57

All: 22.307+/-0.163 χ^2/NDF: 31695.5/118

\- sign 21.884+/-0.225 χ^2/NDF: 16806.1/60

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -5.425+/-0.435 χ^2/NDF: 1019.0/33

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

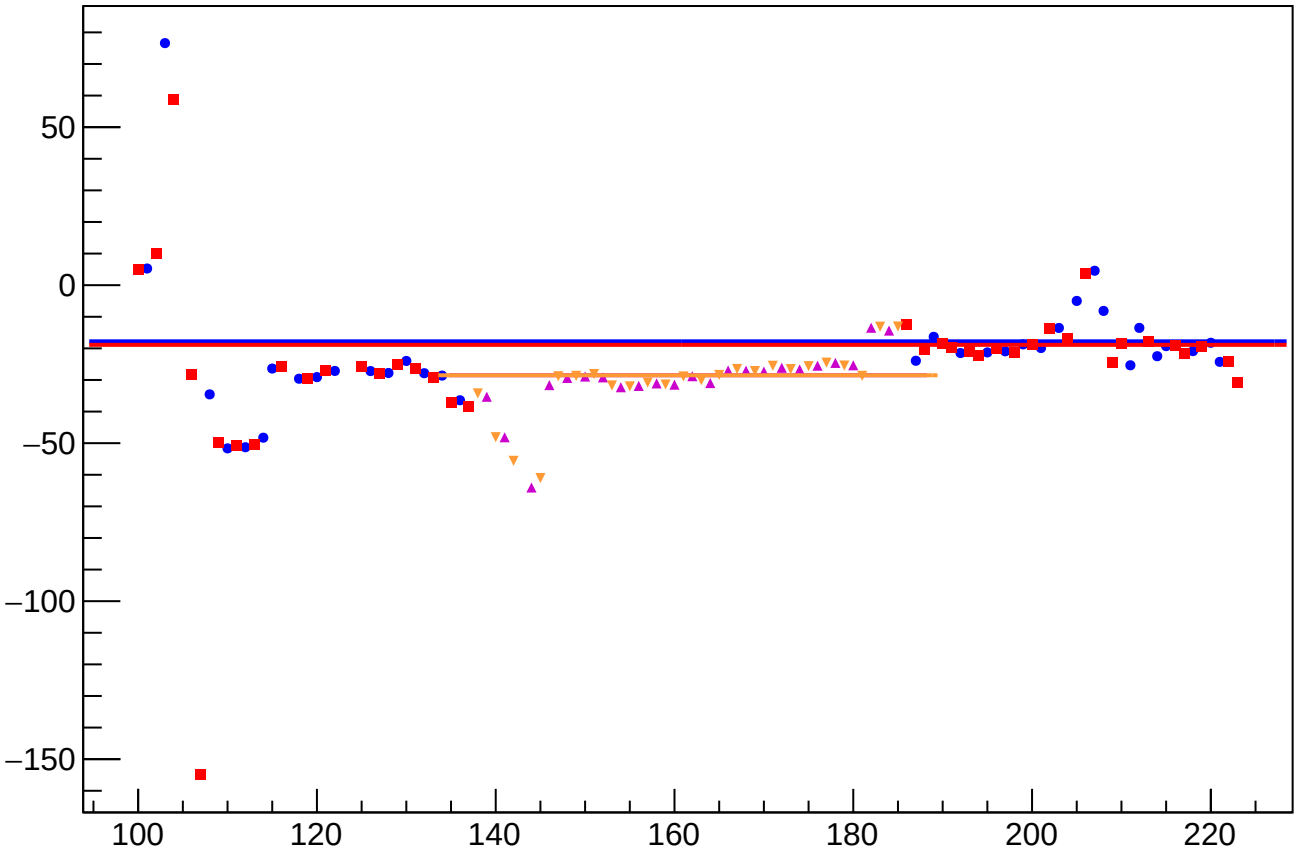
Right Out: -5.817+/-0.427 χ^2/NDF: 884.3/37

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.359+/-0.261 χ^2/NDF: 1789.3/57

All: -0.676+/-0.185 χ^2/NDF: 3560.1/118

- sign -0.995+/-0.262 χ^2/NDF: 1767.9/60



Right In: -17.773+/-0.021 χ^2/NDF: 734832.5/33

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.883+/-0.020 χ^2/NDF: 629721.3/37

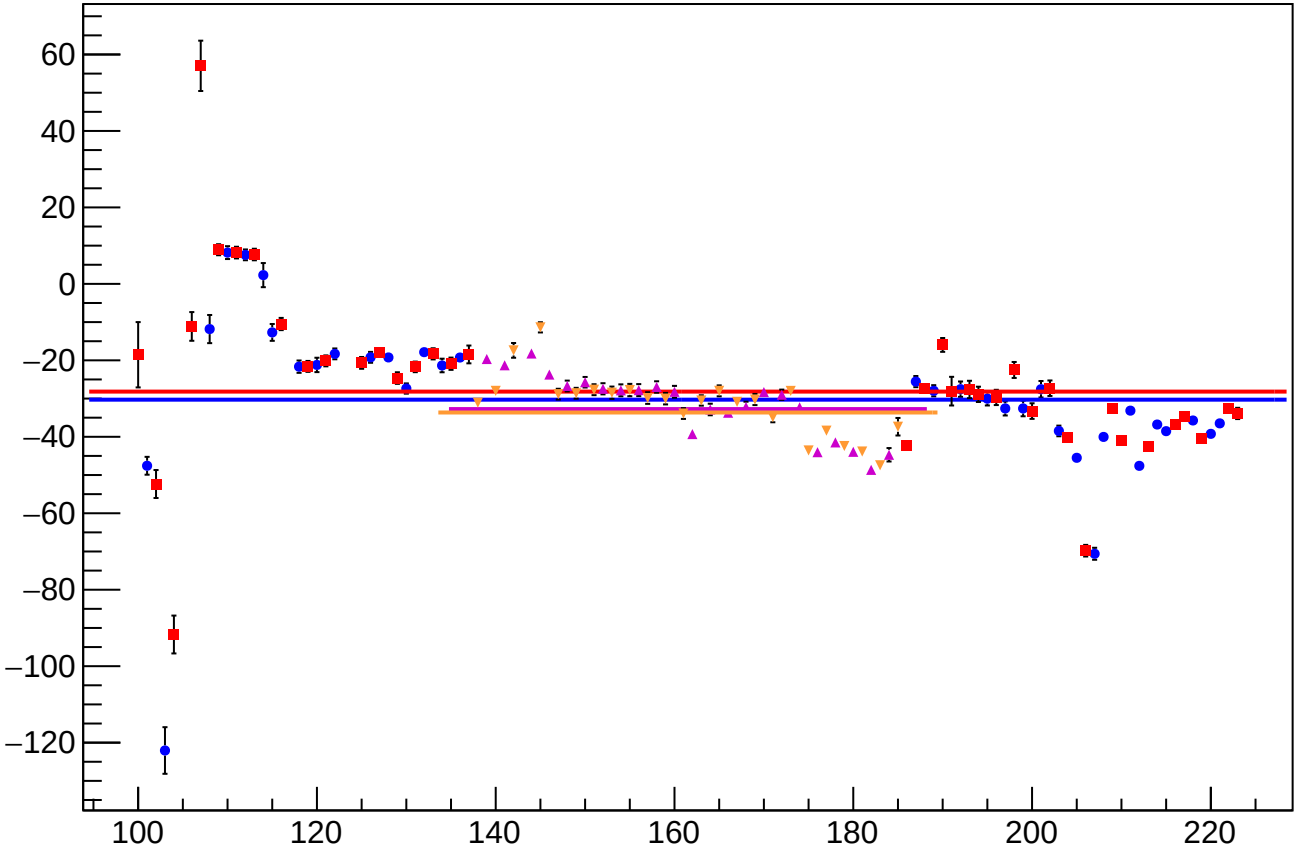
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -24.899+/-0.012 χ^2/NDF: 1246646.9/57

All: -25.033+/-0.008 χ^2/NDF: 2310320.1/118

- sign -25.166+/-0.012 χ^2/NDF: 1063426.4/60

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -30.288+/-0.244 χ^2/NDF: 3621.7/33

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -28.177+/-0.241 χ^2/NDF: 4173.5/37

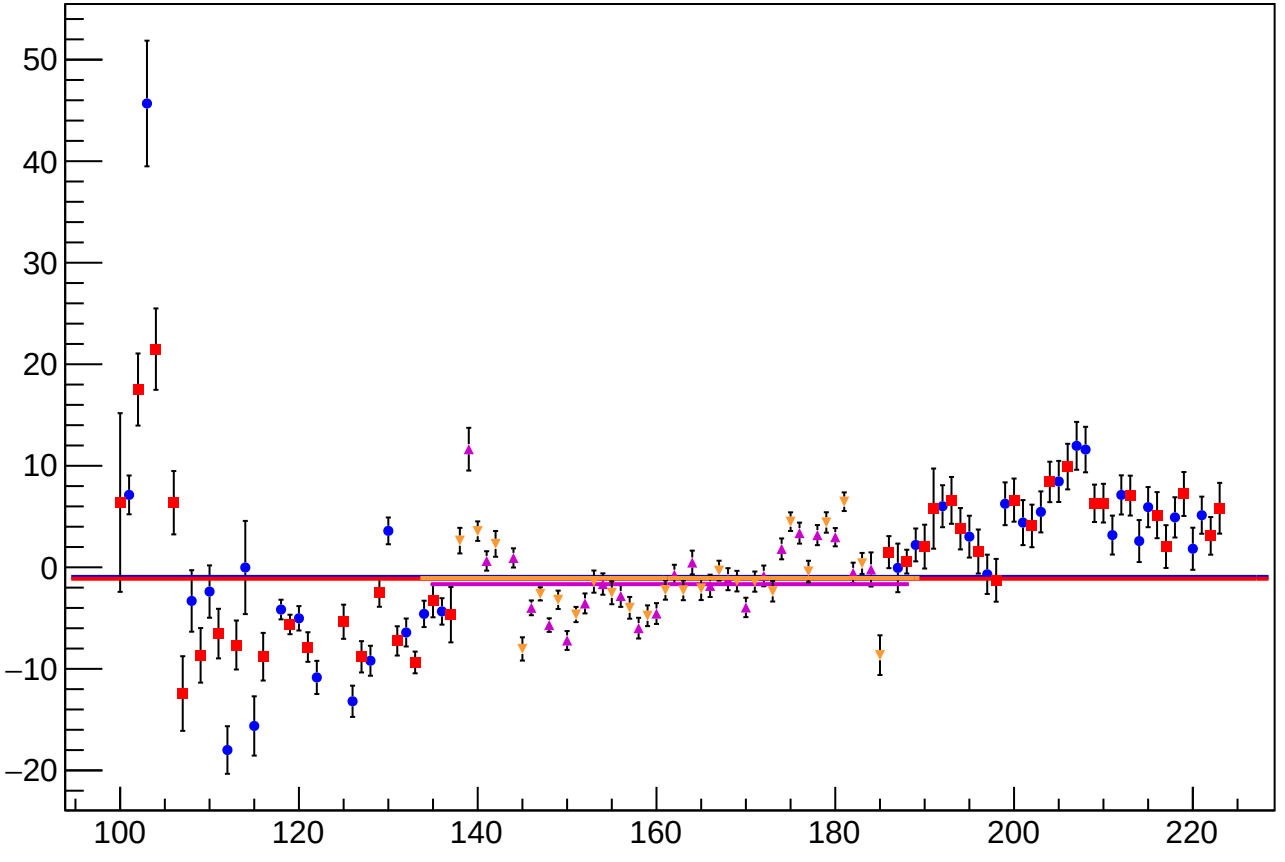
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -31.824+/-0.179 χ^2/NDF: 4724.4/57

All: -31.019+/-0.127 χ^2/NDF: 10242.4/118

- sign -30.215+/-0.179 χ^2/NDF: 5477.7/60

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.944+/-0.307 χ^2/NDF: 538.4/33

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.123+/-0.305 χ^2/NDF: 444.2/37

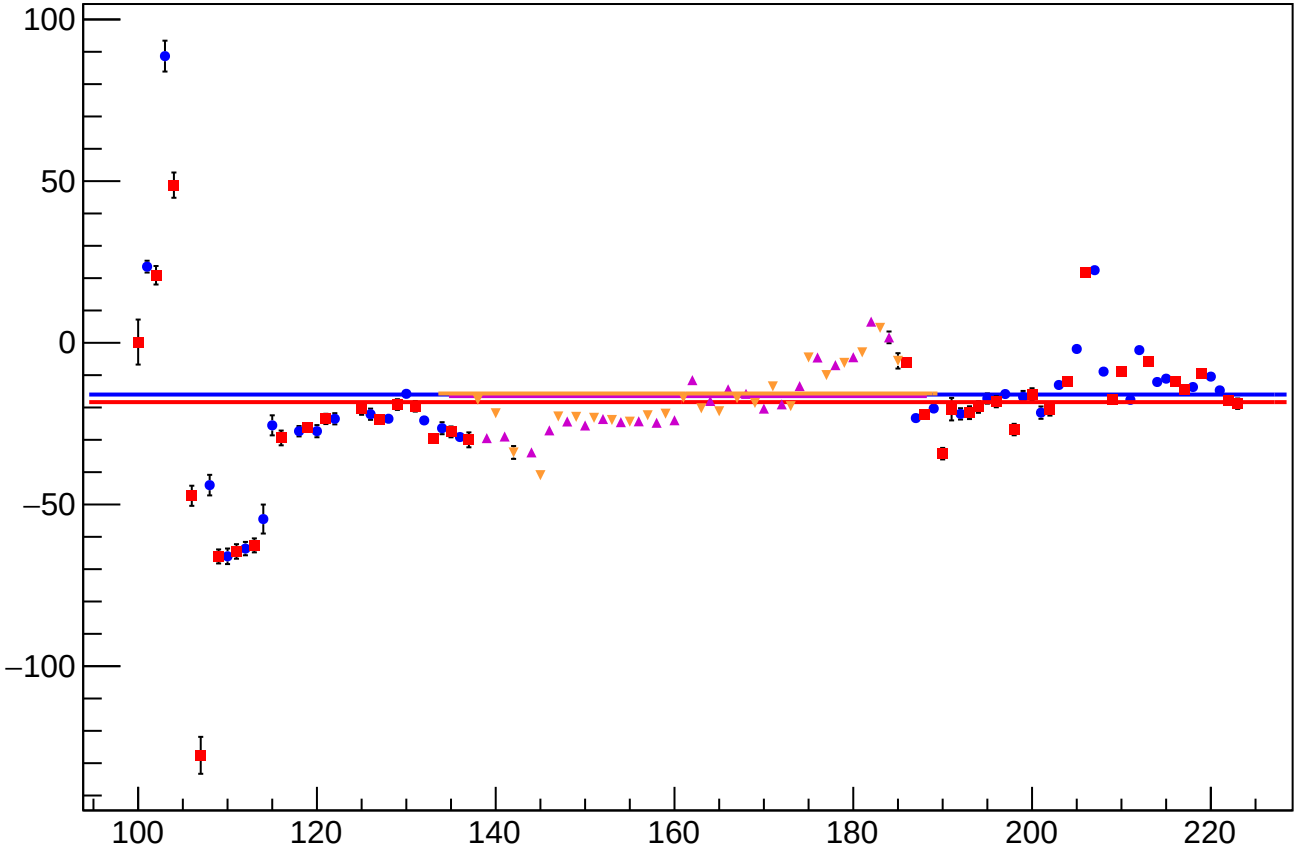
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.018+/-0.169 χ^2/NDF: 827.9/57

All: -1.251+/-0.120 χ^2/NDF: 1542.4/118

- sign -1.490+/-0.171 χ^2/NDF: 710.7/60

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -15.998+/-0.255 χ^2/NDF: 3501.9/33

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -18.341+/-0.247 χ^2/NDF: 3811.7/37

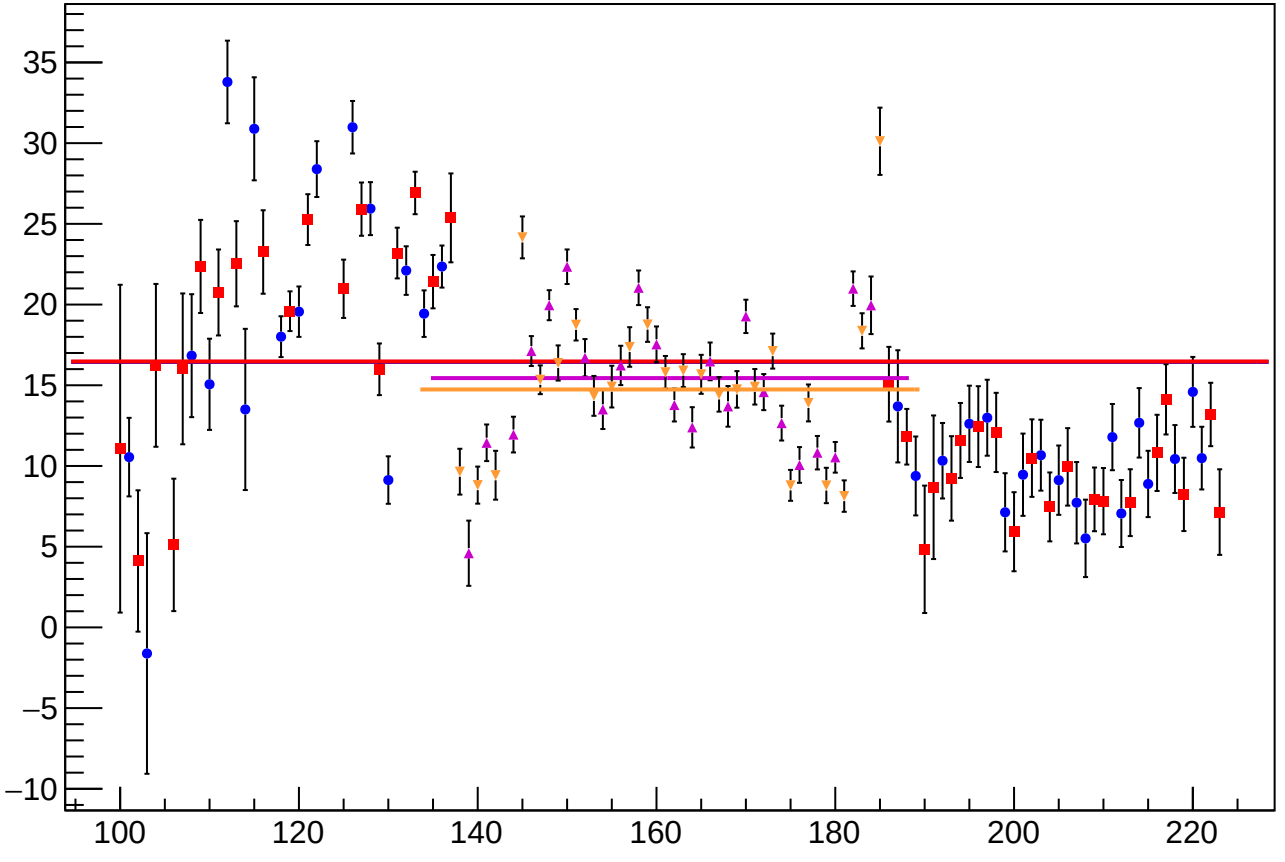
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -15.841+/-0.183 χ^2/NDF: 5023.5/57

All: -16.668+/-0.129 χ^2/NDF: 10599.5/118

- sign -17.477+/-0.181 χ^2/NDF: 5535.6/60

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 16.446+/-0.348 χ^2/NDF: 464.1/33

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 16.473+/-0.351 χ^2/NDF: 389.0/37

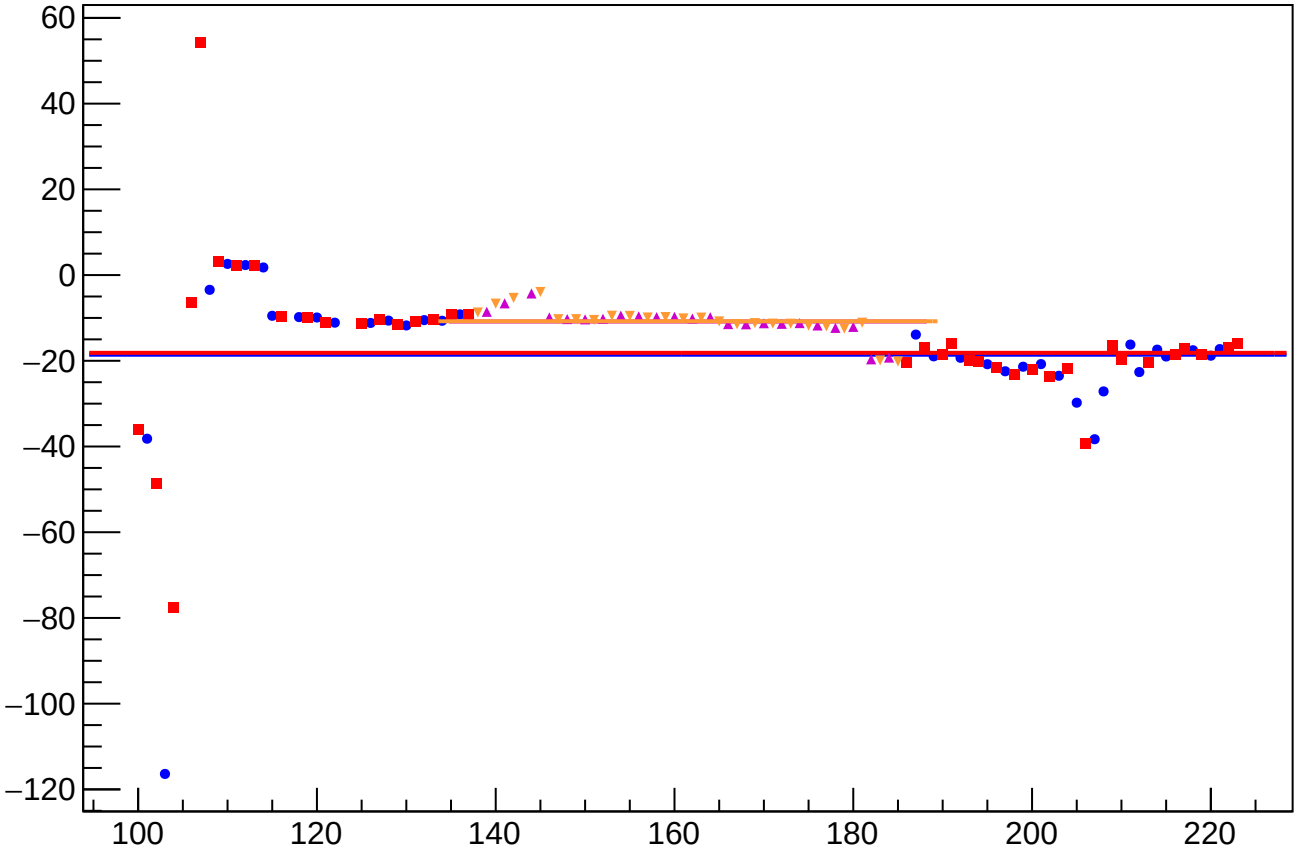
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

\+ sign 15.257+/-0.191 χ^2/NDF: 811.8/57

All: 15.504+/-0.136 χ^2/NDF: 1500.5/118

\- sign 15.759+/-0.194 χ^2/NDF: 685.3/60

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.584+/-0.017 χ^2/NDF: 456536.4/33

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.144+/-0.017 χ^2/NDF: 433633.7/37

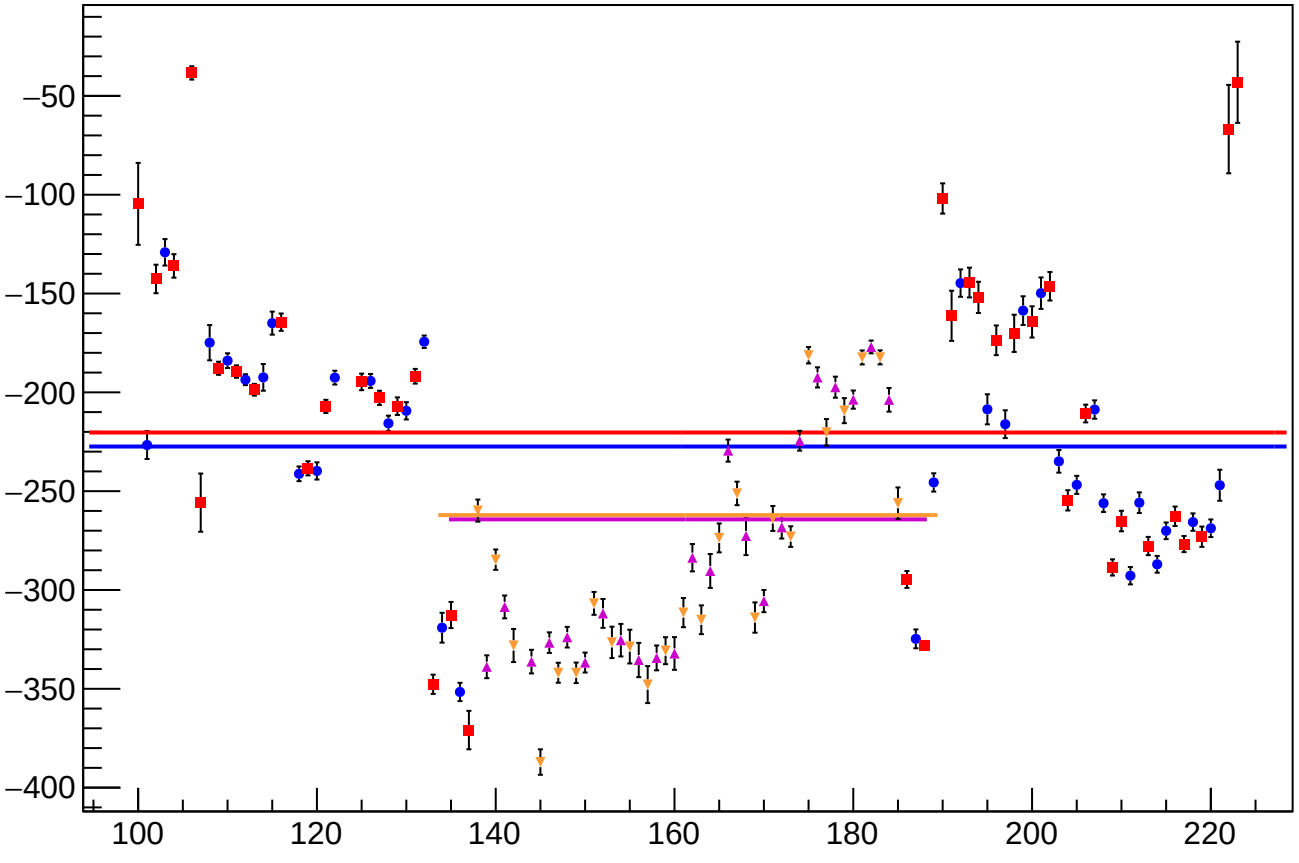
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.816+/-0.009 χ^2/NDF: 691667.2/57

All: -12.780+/-0.006 χ^2/NDF: 1330726.3/118

- sign -12.744+/-0.009 χ^2/NDF: 639026.0/60

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -227.410+/-0.802 χ^2/NDF: 3625.1/33

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -220.321+/-0.765 χ^2/NDF: 8774.6/37

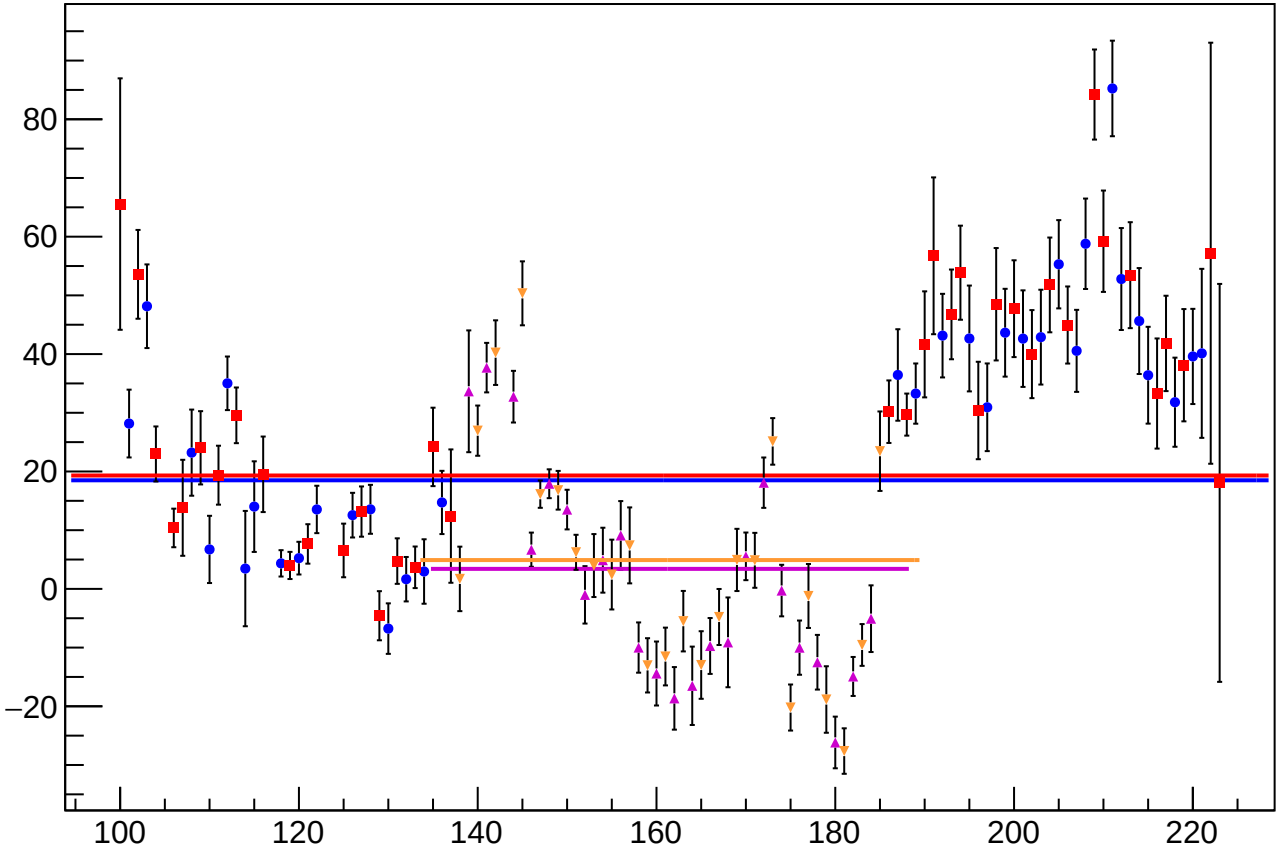
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

\+ sign -238.377+/-0.663 χ^2/NDF: 7181.8/57

All: -235.736+/-0.462 χ^2/NDF: 19699.0/118

\- sign -233.251+/-0.643 χ^2/NDF: 12486.4/60

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.498+/-0.920 χ^2/NDF: 405.6/33

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 19.316+/-0.891 χ^2/NDF: 413.9/37

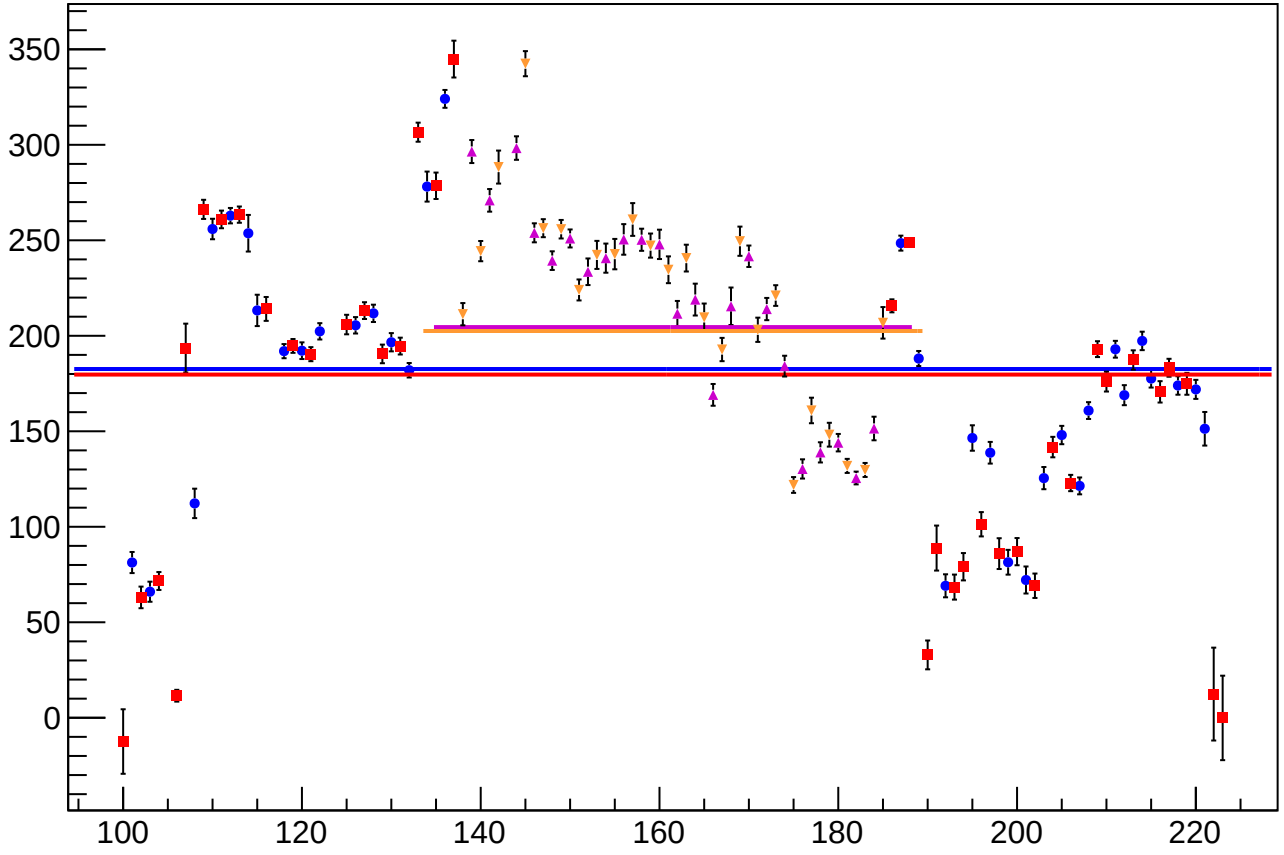
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 11.449+/-0.638 χ^2/NDF: 917.7/57

All: 11.450+/-0.450 χ^2/NDF: 1822.6/118

- sign 11.451+/-0.633 χ^2/NDF: 904.9/60

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 182.606+/-0.855 χ^2/NDF: 4361.0/33

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 179.693+/-0.797 χ^2/NDF: 9618.1/37

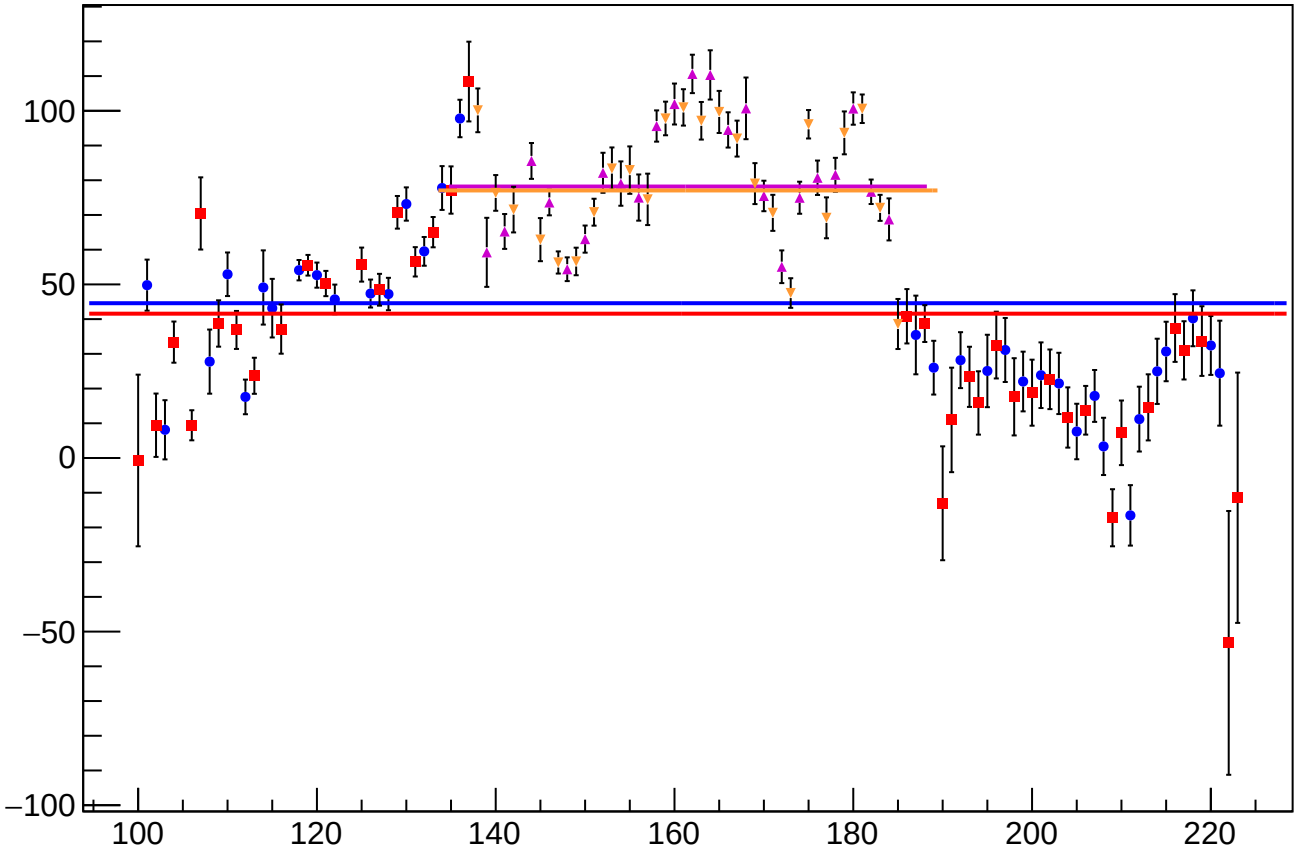
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 189.515+/-0.691 χ^2/NDF: 6942.6/57

All: 188.467+/-0.477 χ^2/NDF: 19156.6/118

- sign 187.510+/-0.660 χ^2/NDF: 12209.7/60

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 44.584+/-1.067 χ^2/NDF: 410.2/33

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 41.569+/-1.046 χ^2/NDF: 427.8/37

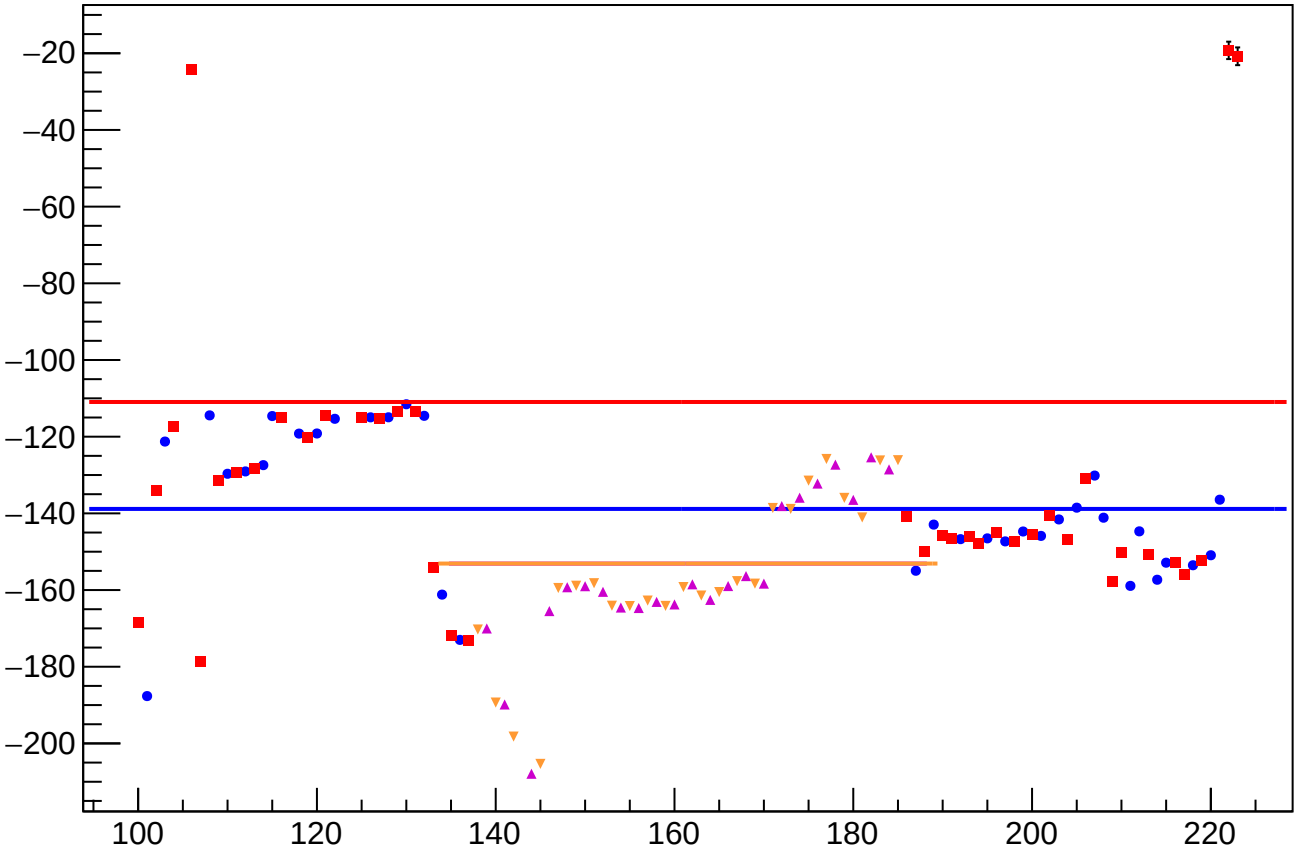
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 61.626+/-0.735 χ^2/NDF: 1207.9/57

All: 60.929+/-0.519 χ^2/NDF: 2495.0/118

- sign 60.237+/-0.732 χ^2/NDF: 1285.3/60

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -138.841+/-0.058 χ^2/NDF: 110886.0/33

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -110.950+/-0.050 χ^2/NDF: 1040957.1/37

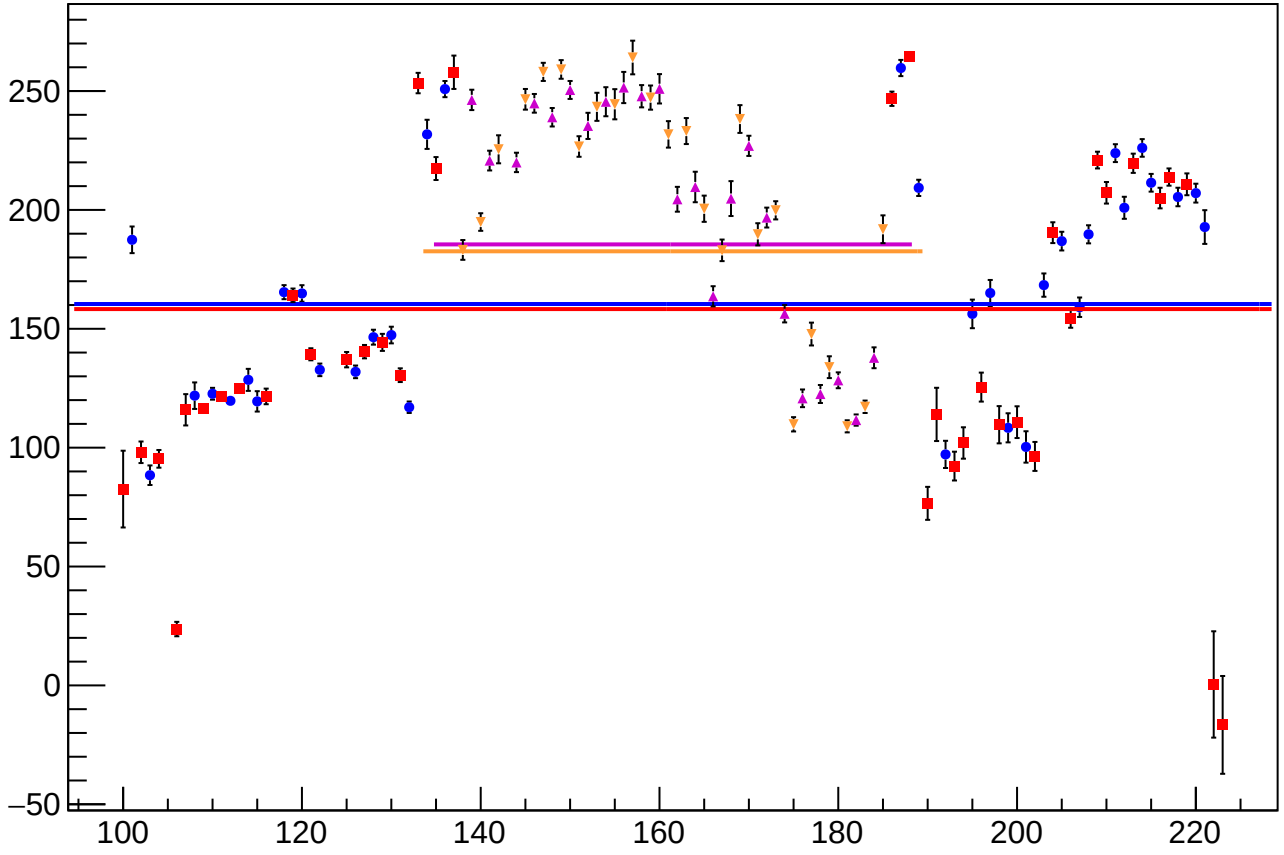
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.445+/-0.036 χ^2/NDF: 324980.4/57

All: -140.060+/-0.025 χ^2/NDF: 1988138.9/11

- sign -133.575+/-0.034 χ^2/NDF: 1586103.1/60

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 160.418+/-0.622 χ^2/NDF: 5250.9/33

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 158.290+/-0.584 χ^2/NDF: 10872.1/37

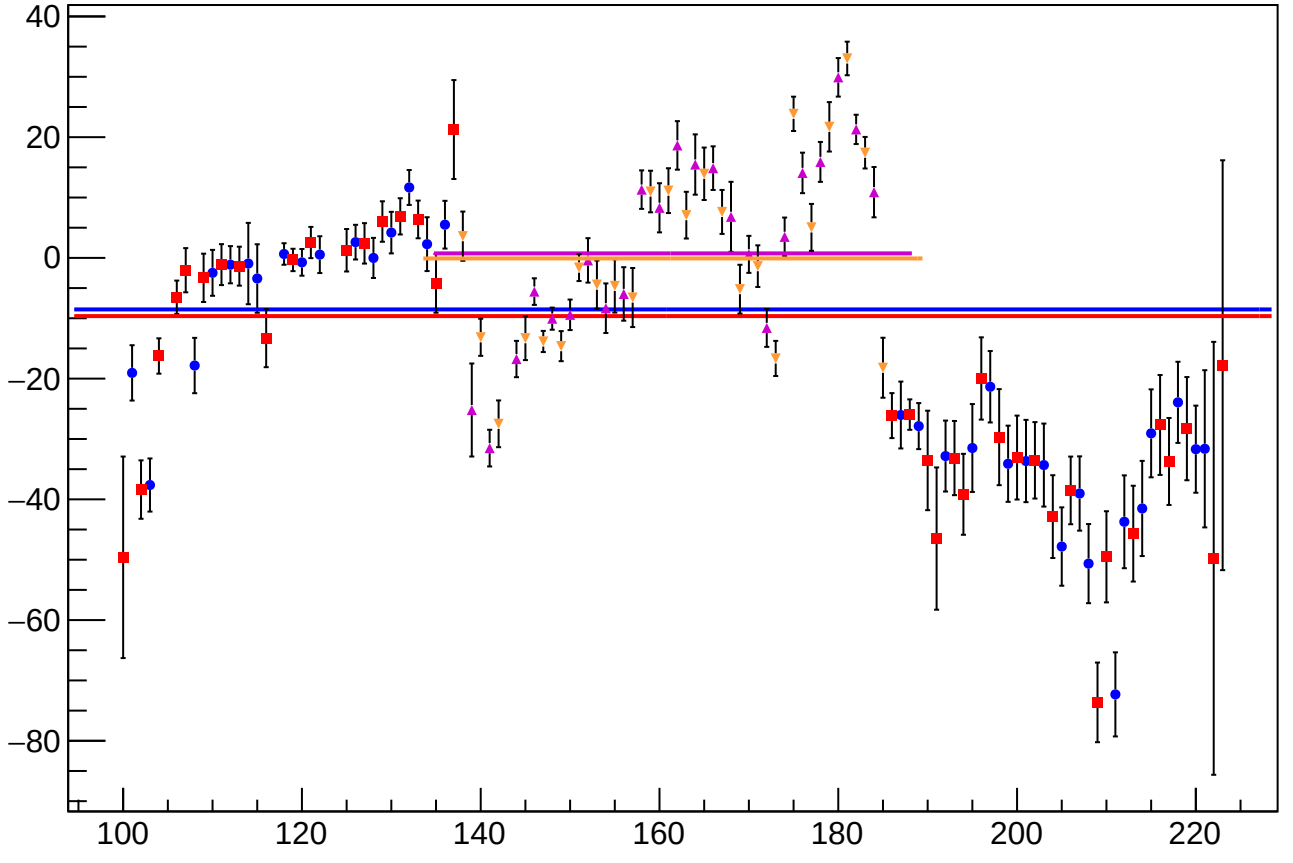
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 167.966+/-0.505 χ^2/NDF: 9835.7/57

All: 167.310+/-0.350 χ^2/NDF: 25205.0/118

- sign 166.706+/-0.485 χ^2/NDF: 15366.0/60

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.537+/-0.713 χ^2/NDF: 576.5/33

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.643+/-0.679 χ^2/NDF: 594.2/37

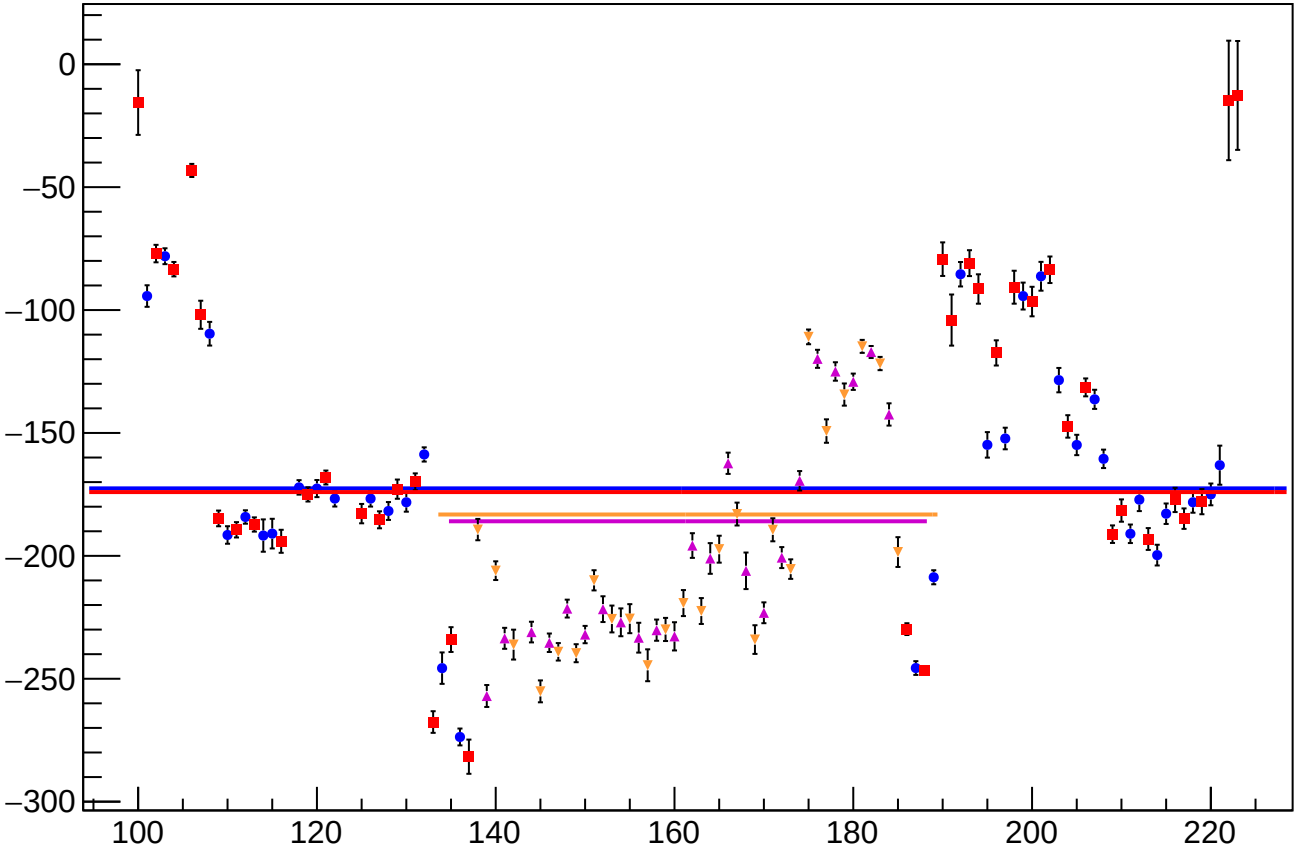
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -3.957+/-0.482 χ^2/NDF: 1208.0/57

All: -4.153+/-0.338 χ^2/NDF: 2419.8/118

- sign -4.344+/-0.475 χ^2/NDF: 1211.5/60

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.545+/-0.667 χ^2/NDF: 4317.3/33

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.053+/-0.609 χ^2/NDF: 10147.3/37

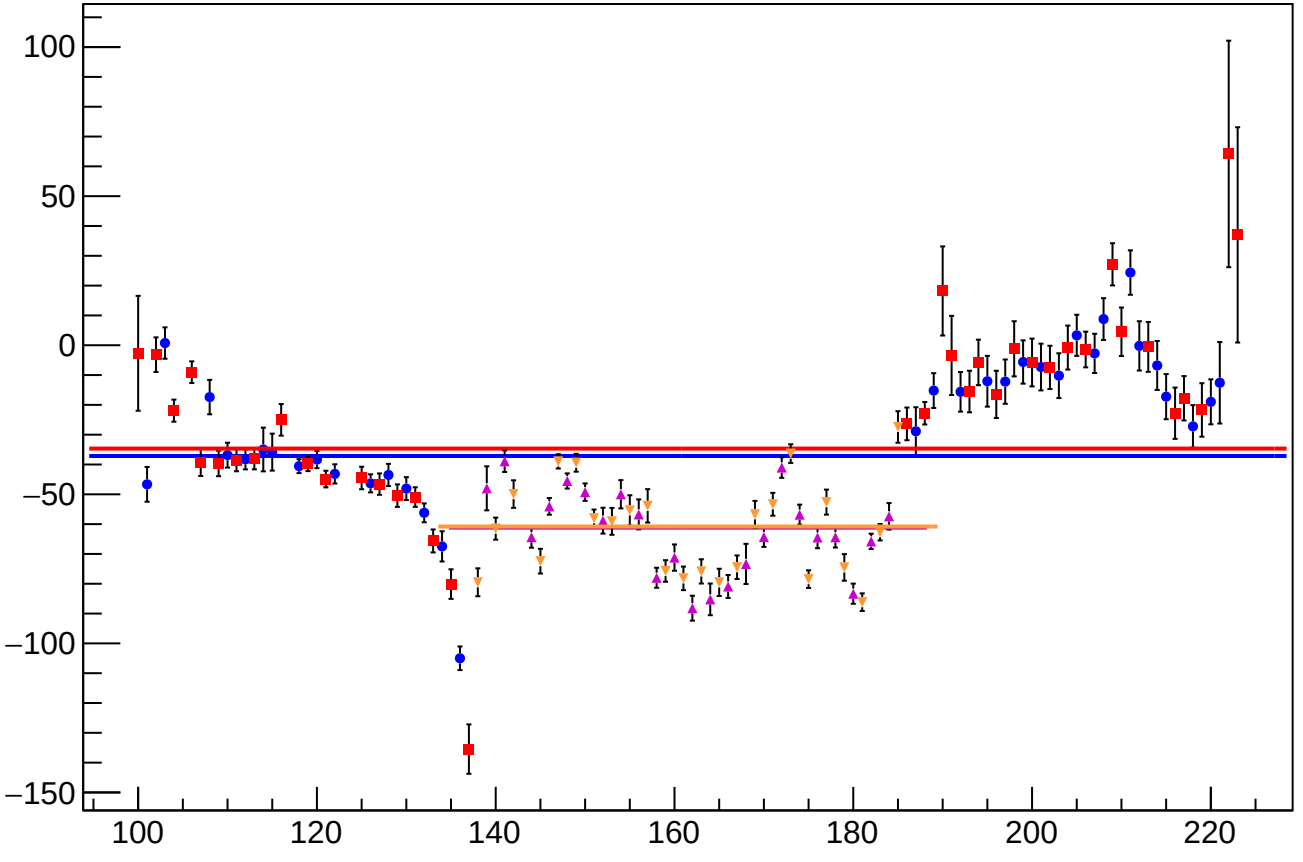
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

\+ sign -176.526+/-0.528 χ^2/NDF: 7773.5/57

All: -177.293+/-0.362 χ^2/NDF: 21232.2/118

\- sign -177.978+/-0.498 χ^2/NDF: 13454.7/60

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -37.141+/-0.827 χ^2/NDF: 773.8/33

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -34.660+/-0.800 χ^2/NDF: 761.9/37

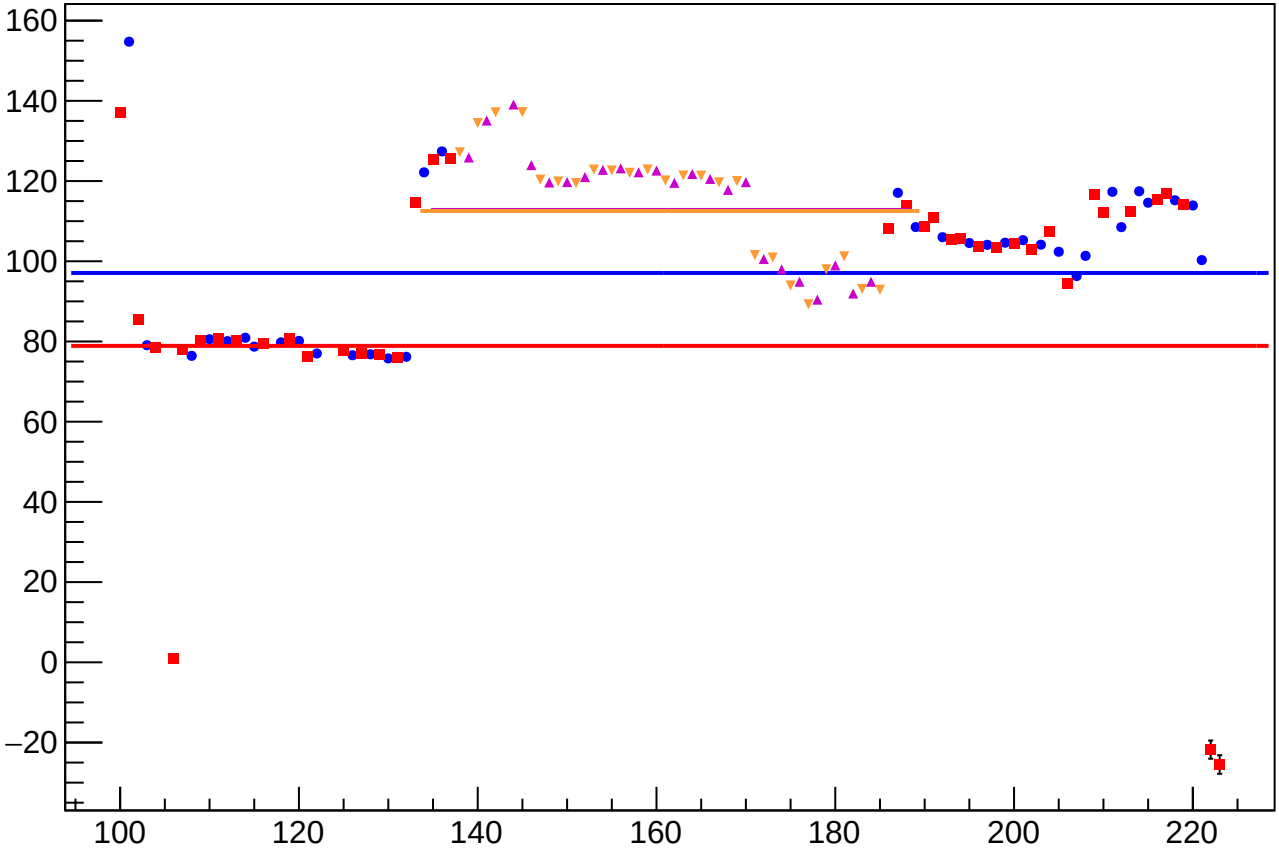
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -50.142+/-0.555 χ^2/NDF: 1697.4/57

All: -49.386+/-0.391 χ^2/NDF: 3359.8/118

- sign -48.644+/-0.550 χ^2/NDF: 1658.7/60

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 97.083+/-0.045 χ^2/NDF: 195675.9/33

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.905+/-0.040 χ^2/NDF: 934447.6/37

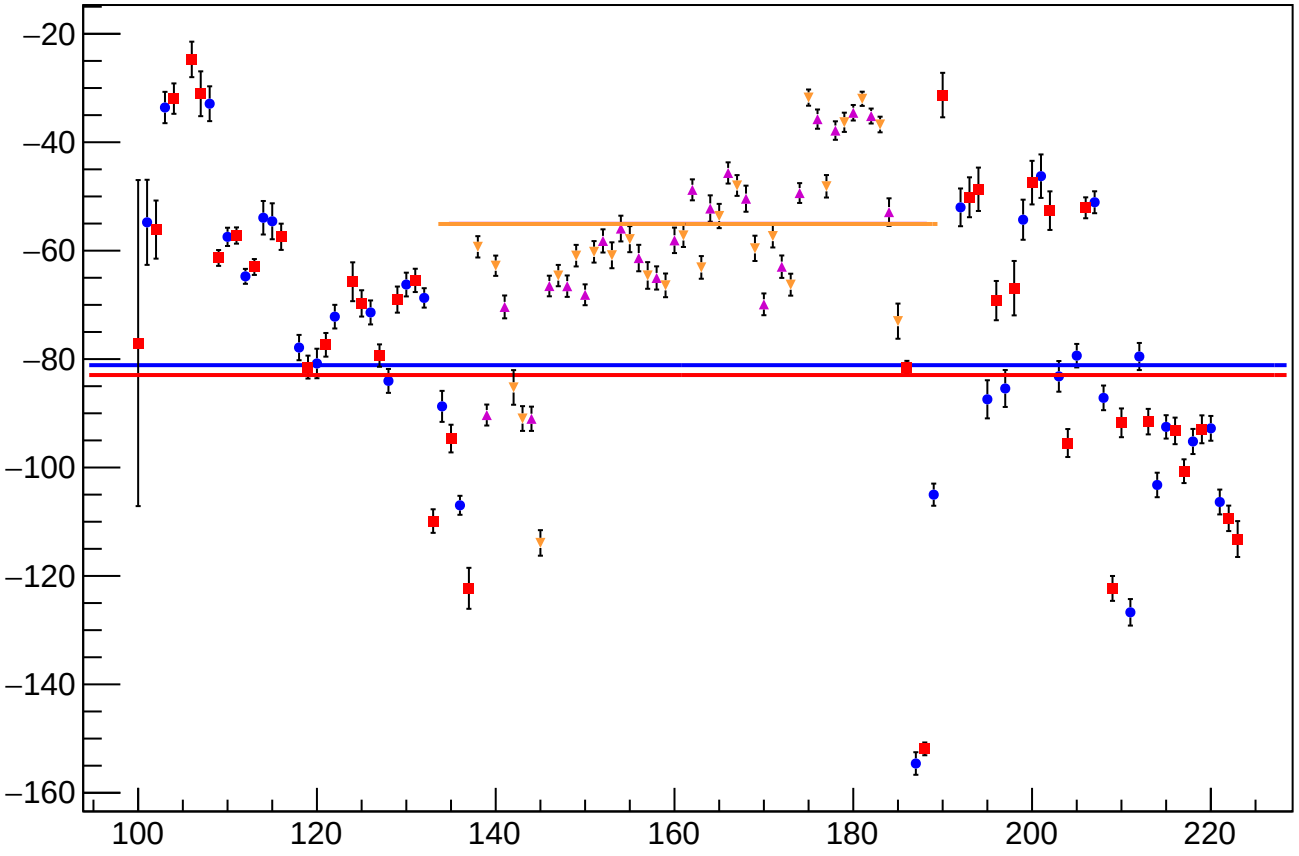
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

\+ sign 106.770+/-0.027 χ^2/NDF: 444748.7/57

All: 102.305+/-0.019 χ^2/NDF: 2016663.4/118

\- sign 98.270+/-0.026 χ^2/NDF: 1521290.9/60

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -81.121+/-0.403 χ^2/NDF: 3816.1/33

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -82.942+/-0.372 χ^2/NDF: 6893.2/37

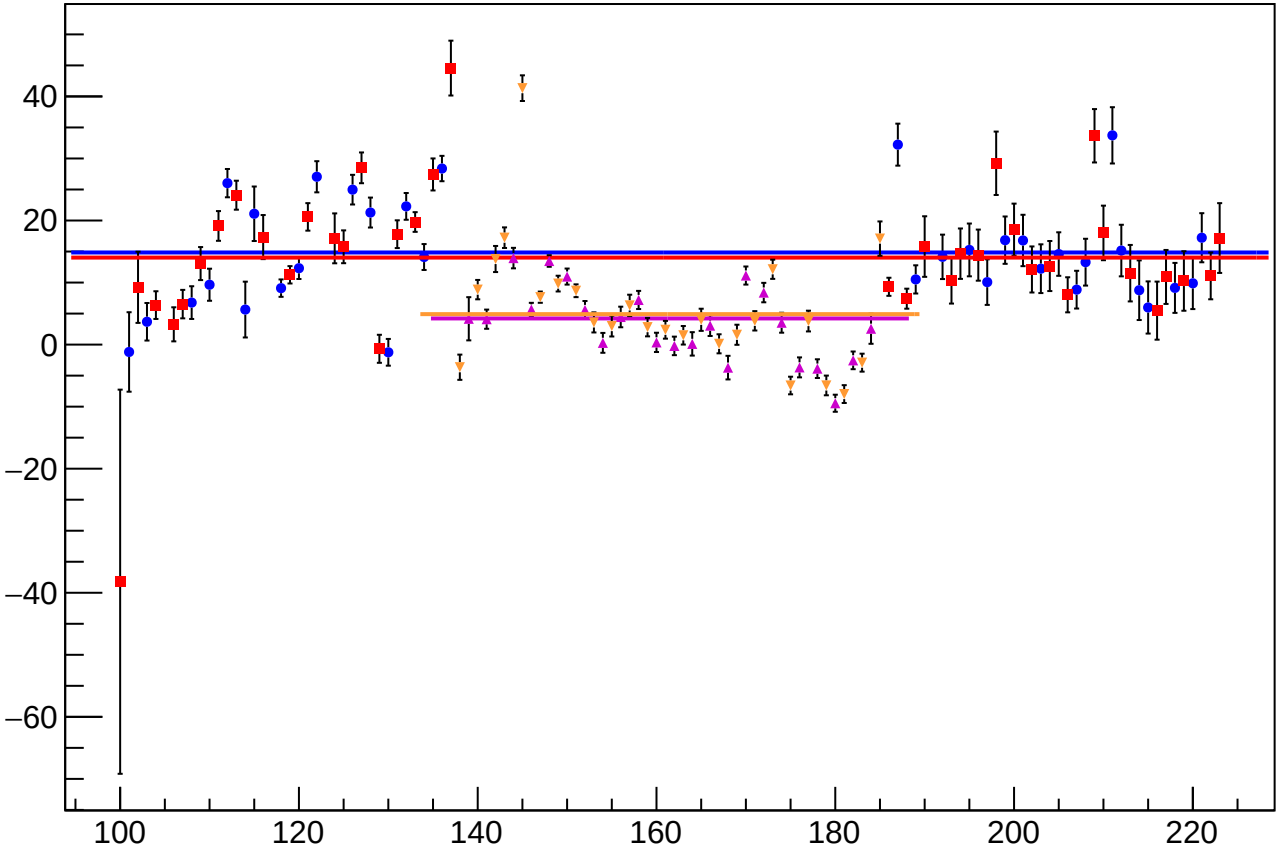
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -68.013+/-0.284 χ^2/NDF: 7918.8/58

All: -69.220+/-0.198 χ^2/NDF: 18922.8/119

- sign -70.356+/-0.276 χ^2/NDF: 10969.0/60

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.848+/-0.483 χ^2/NDF: 306.6/33

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.025+/-0.445 χ^2/NDF: 316.8/37

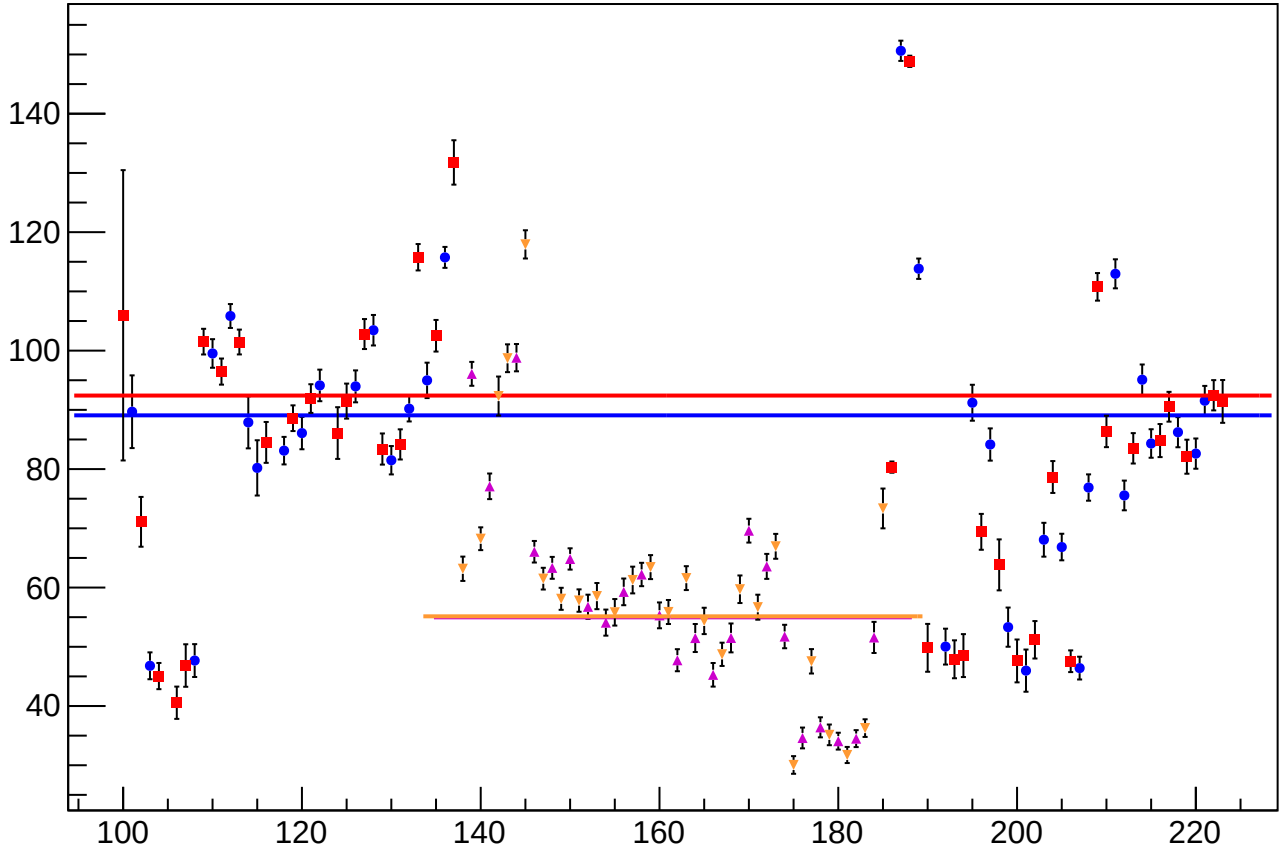
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.698+/-0.256 χ^2/NDF: 1353.1/58

All: 7.576+/-0.181 χ^2/NDF: 2411.1/119

- sign 7.453+/-0.256 χ^2/NDF: 1057.5/60

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.073+/-0.425 χ^2/NDF: 3701.7/33

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.415+/-0.379 χ^2/NDF: 6633.7/37

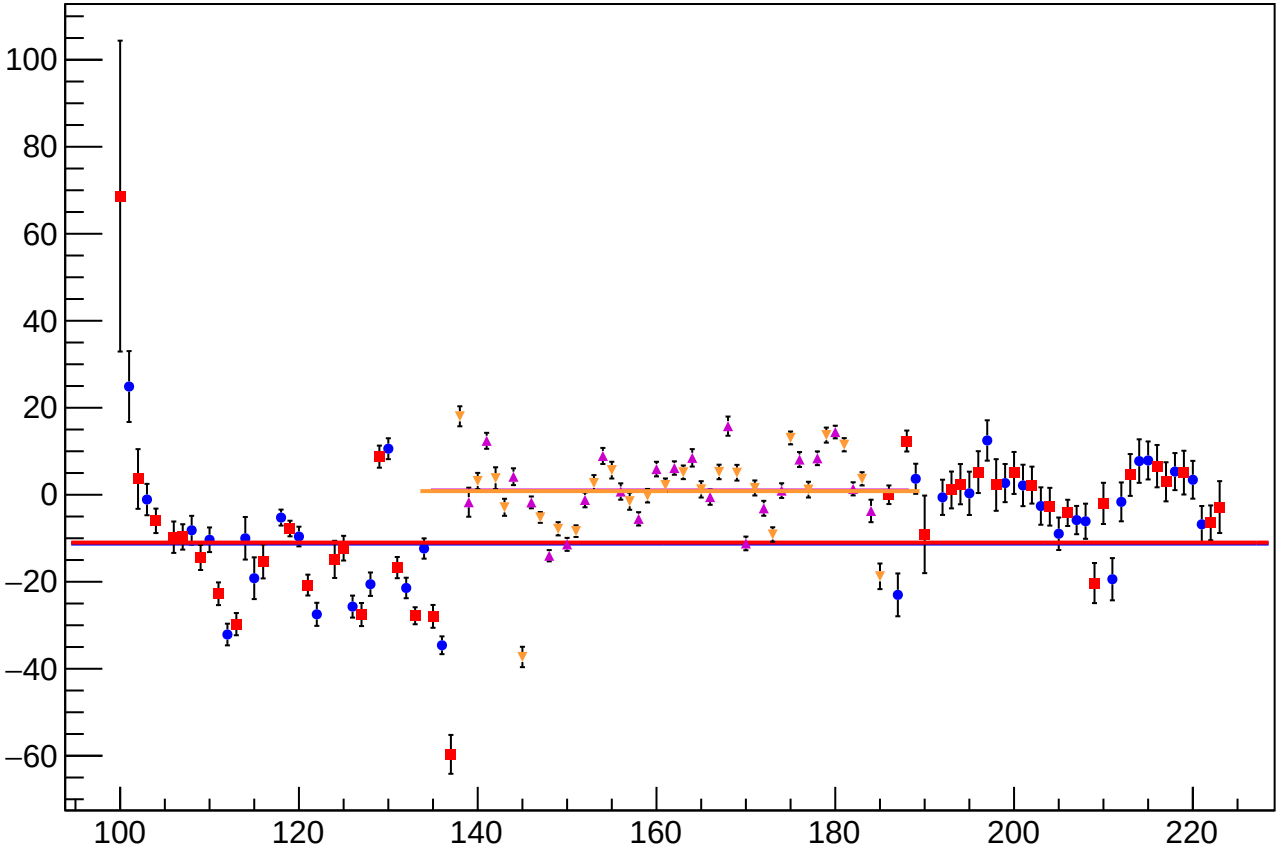
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

\+ sign 70.969+/-0.290 χ^2/NDF: 9353.0/58

All: 73.070+/-0.200 χ^2/NDF: 22422.6/119

\- sign 74.984+/-0.277 χ^2/NDF: 12969.3/60

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.217+/-0.554 χ^2/NDF: 584.9/33

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

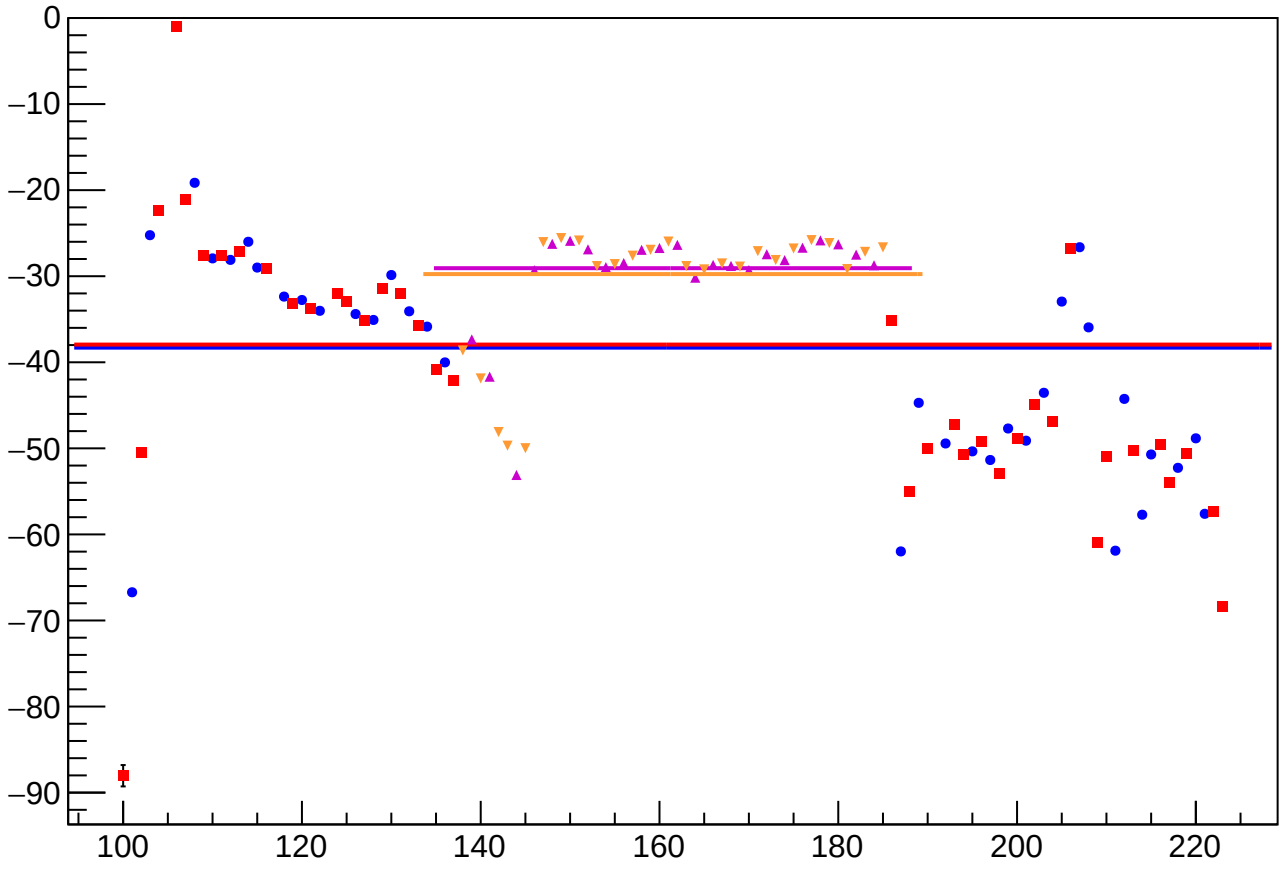
Right Out: -10.993+/-0.526 χ^2/NDF: 687.1/37

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.499+/-0.292 χ^2/NDF: 1644.5/58

All: -2.619+/-0.207 χ^2/NDF: 3247.2/119

- sign -2.740+/-0.293 χ^2/NDF: 1602.3/60



Right In: -38.297+/-0.028 χ^2/NDF: 152449.1/33

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.944+/-0.027 χ^2/NDF: 253498.6/37

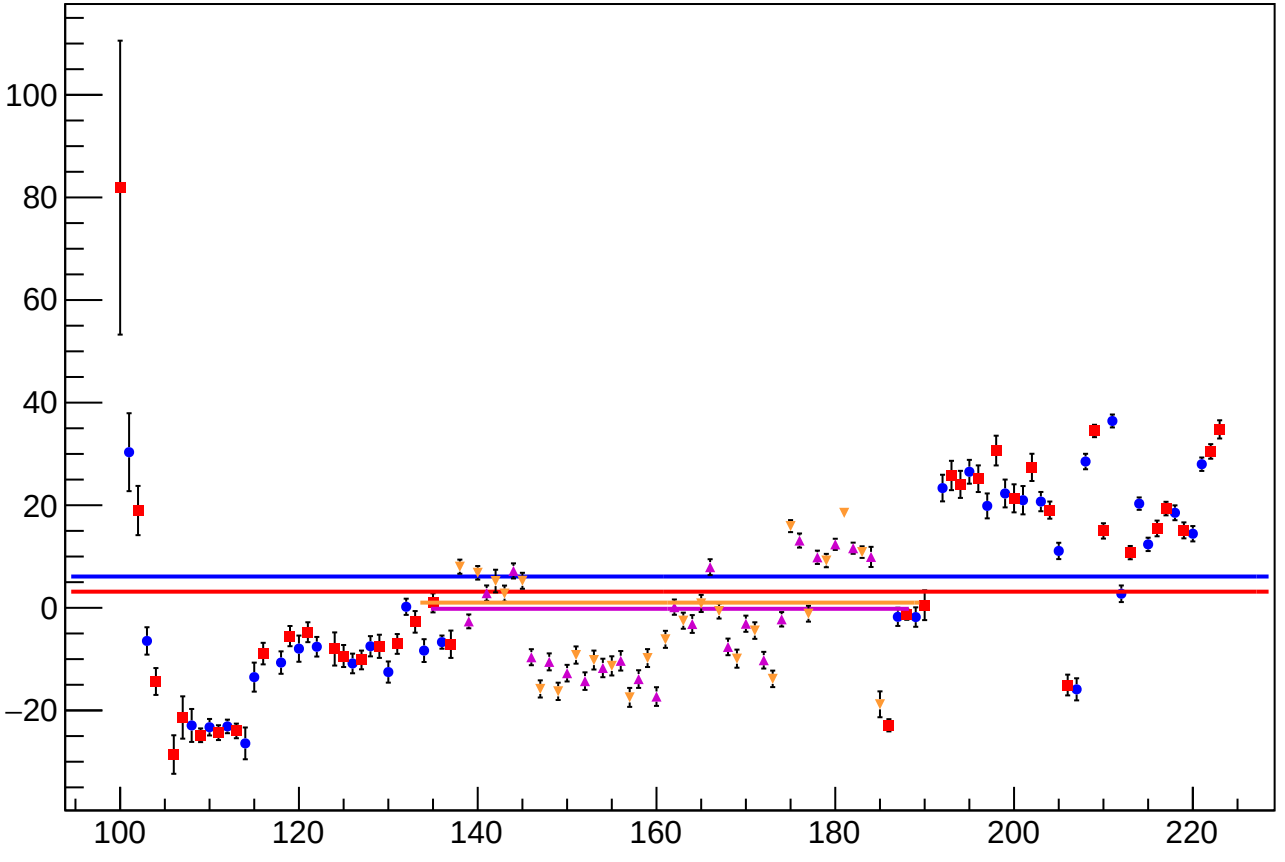
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.797+/-0.014 χ^2/NDF: 388000.0/58

All: -31.543+/-0.010 χ^2/NDF: 822634.6/119

- sign -31.284+/-0.014 χ^2/NDF: 433924.9/60

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 6.103+/-0.308 χ^2/NDF: 3375.7/33

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: 3.150+/-0.295 χ^2/NDF: 4391.5/37

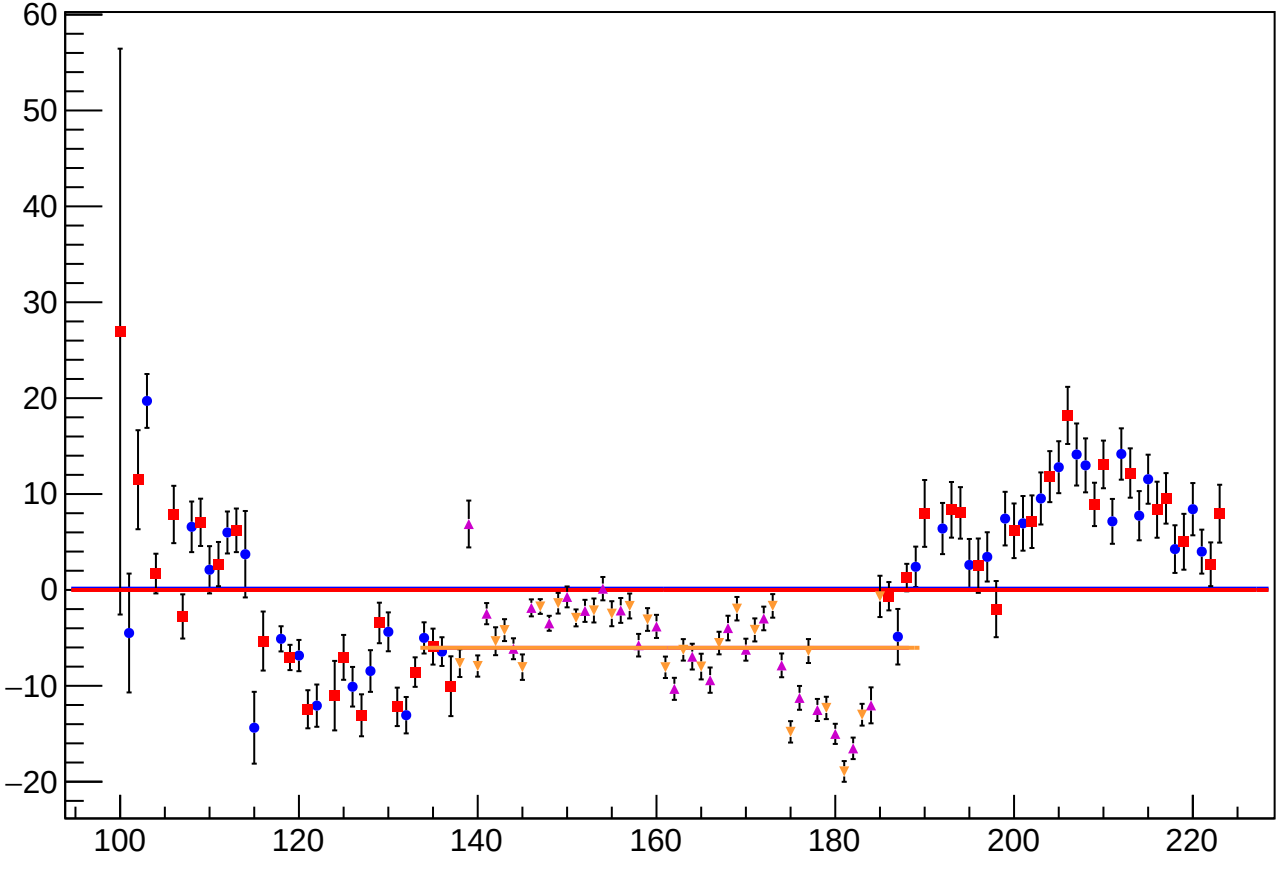
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign 3.533+/-0.217 χ^2/NDF: 4848.7/58

All: 2.553+/-0.153 χ^2/NDF: 10323.6/119

- sign 1.586+/-0.215 χ^2/NDF: 5434.3/60

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: 0.132+/-0.396 χ^2/NDF: 444.1/33

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.007+/-0.377 χ^2/NDF: 439.2/37

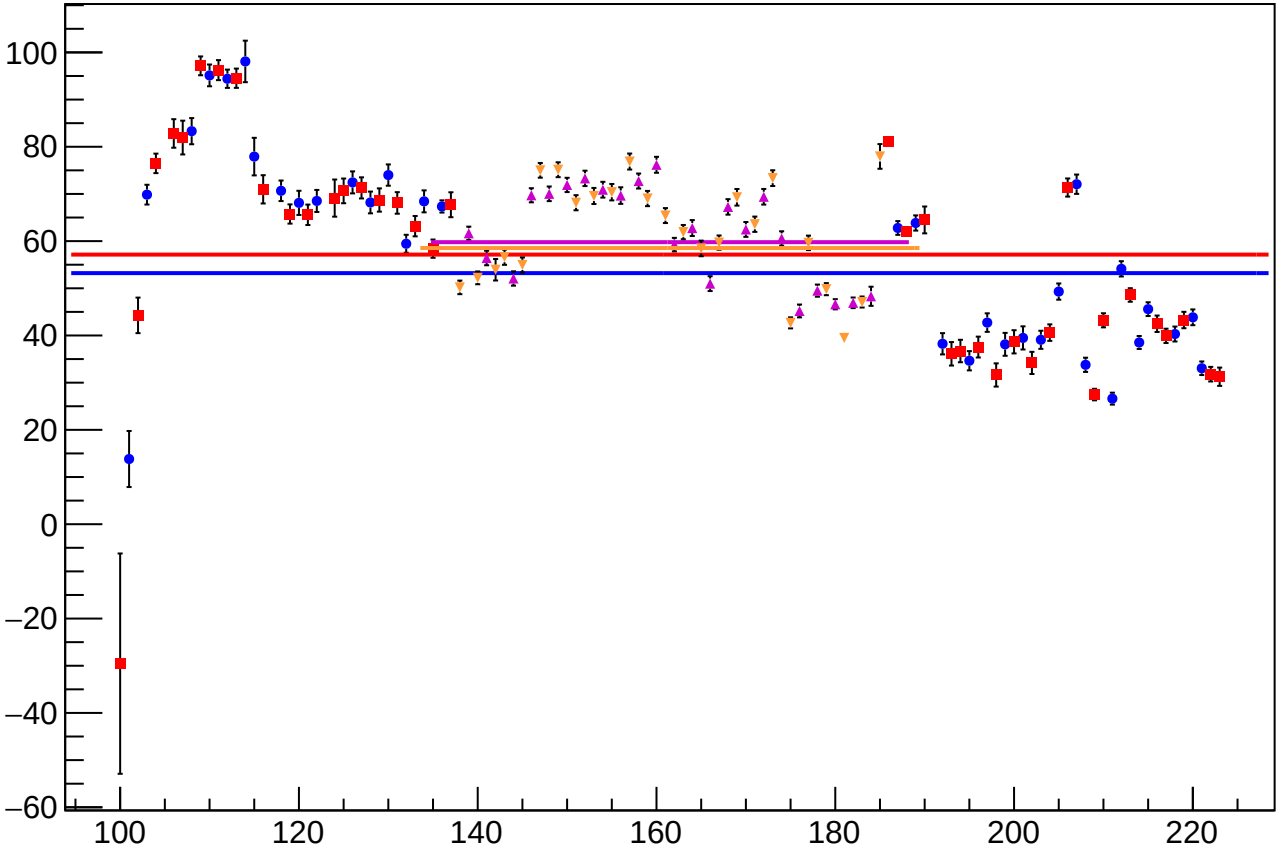
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -4.448+/-0.201 χ^2/NDF: 1039.0/58

All: -4.363+/-0.143 χ^2/NDF: 2055.9/119

- sign -4.275+/-0.204 χ^2/NDF: 1016.5/60

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 53.217+/-0.324 χ^2/NDF: 3159.6/33

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 57.144+/-0.303 χ^2/NDF: 4225.7/37

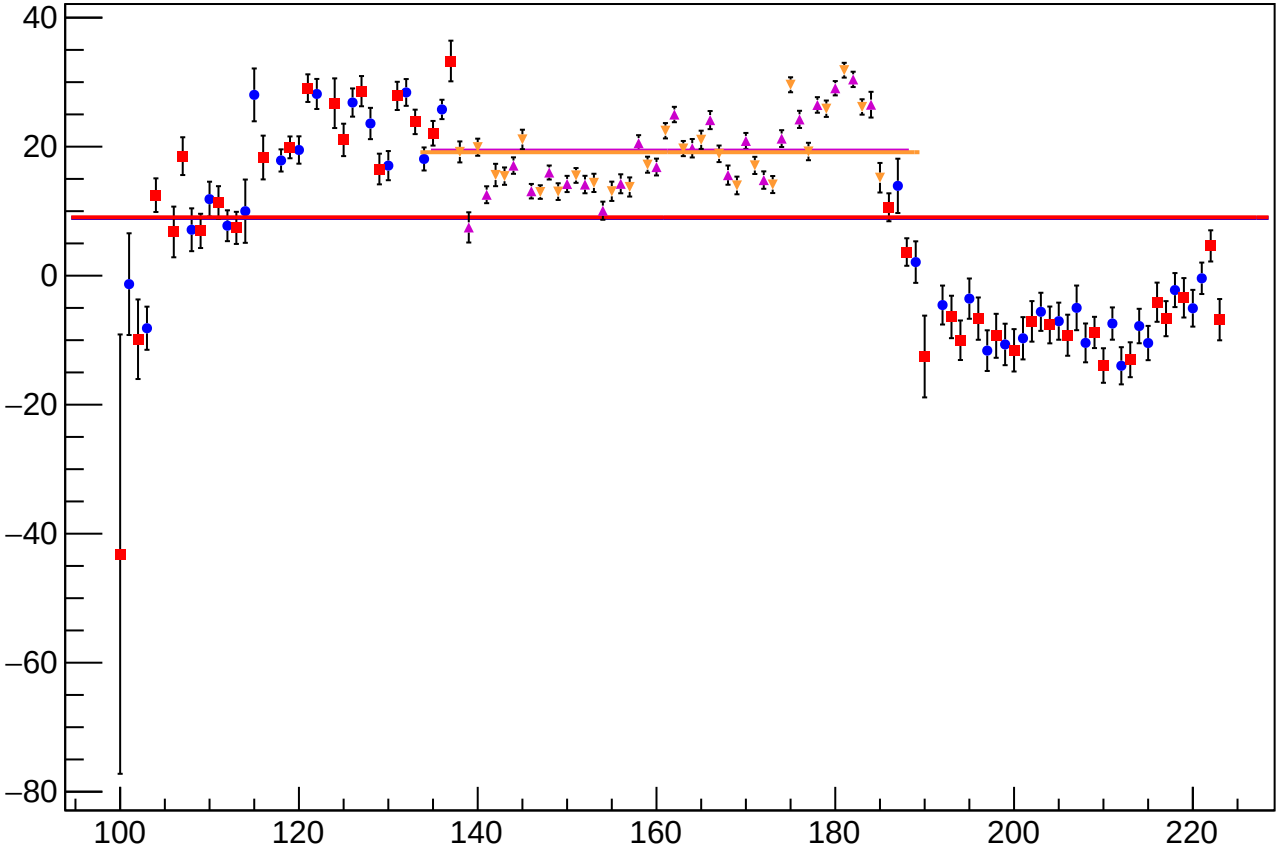
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 56.051+/-0.221 χ^2/NDF: 4752.8/58

All: 57.259+/-0.155 χ^2/NDF: 10144.3/119

\- sign 58.424+/-0.217 χ^2/NDF: 5333.0/60

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 8.941+/-0.447 χ^2/NDF: 1049.5/33

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 9.045+/-0.437 χ^2/NDF: 1081.7/37

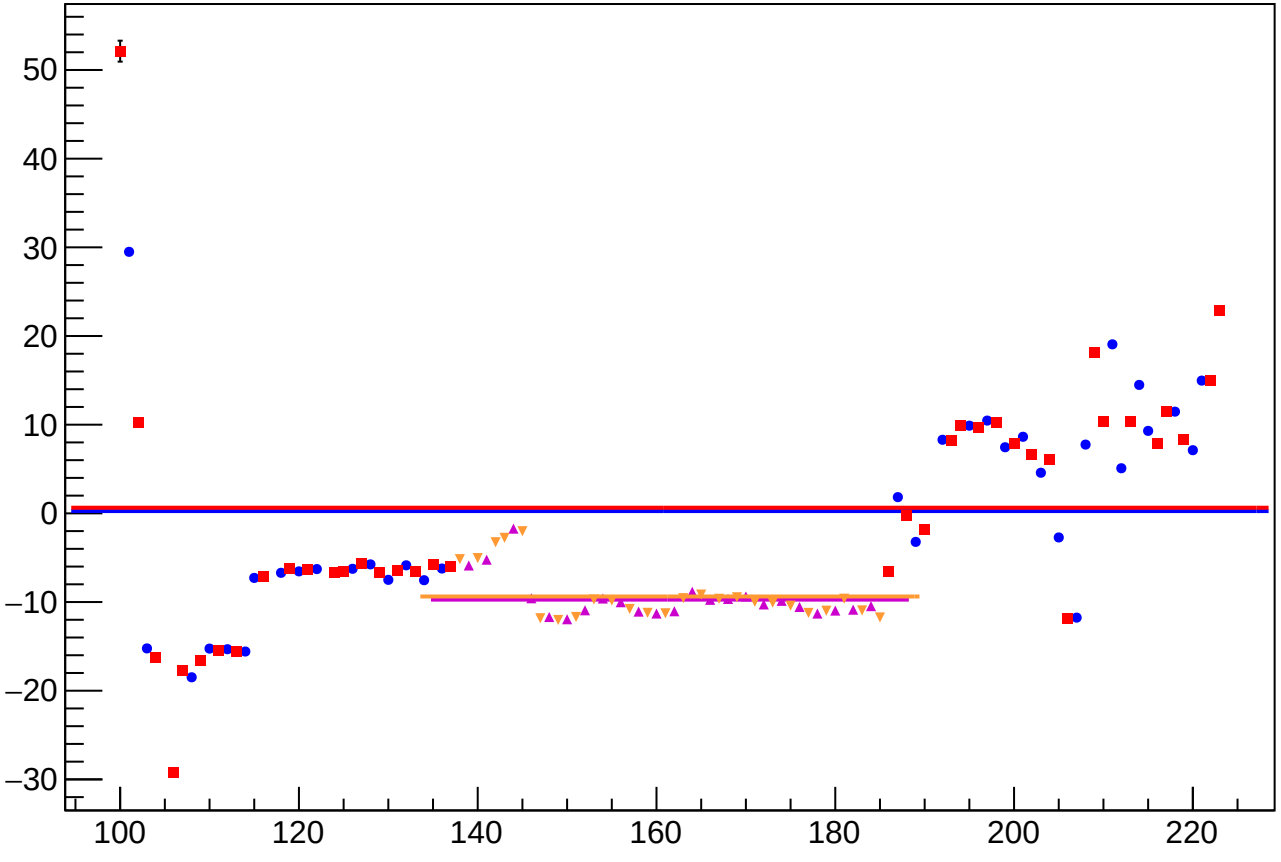
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

\+ sign 16.502+/-0.227 χ^2/NDF: 1868.9/58

All: 16.490+/-0.162 χ^2/NDF: 3820.8/119

\- sign 16.477+/-0.232 χ^2/NDF: 1951.9/60

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: 0.258+/-0.022 χ^2/NDF: 229585.5/33

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: 0.637+/-0.022 χ^2/NDF: 270006.0/37

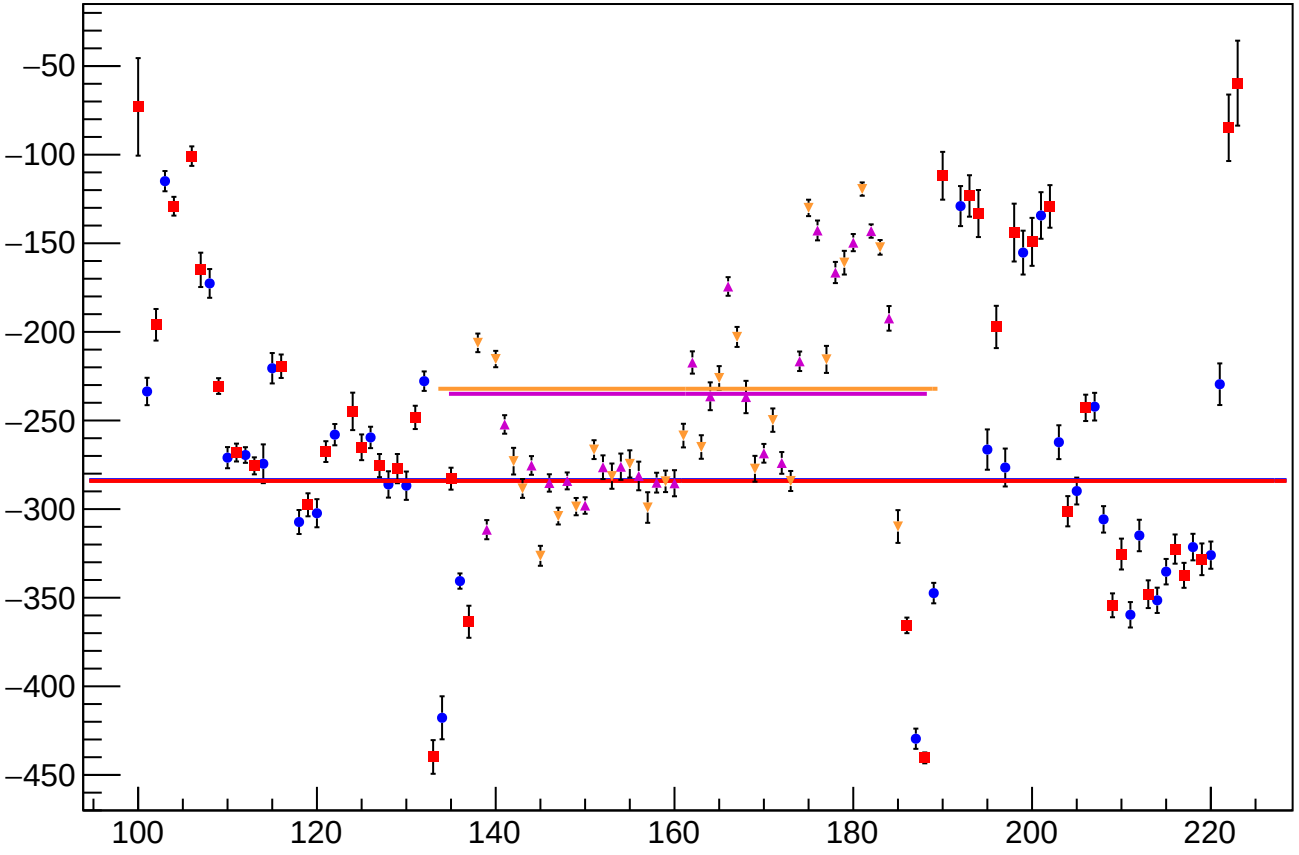
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.132+/-0.010 χ^2/NDF: 432553.4/58

All: -7.189+/-0.007 χ^2/NDF: 909631.1/119

- sign -7.247+/-0.011 χ^2/NDF: 477016.8/60

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -283.654+/-1.234 χ^2/NDF: 3211.6/33

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -284.112+/-1.135 χ^2/NDF: 7287.8/37

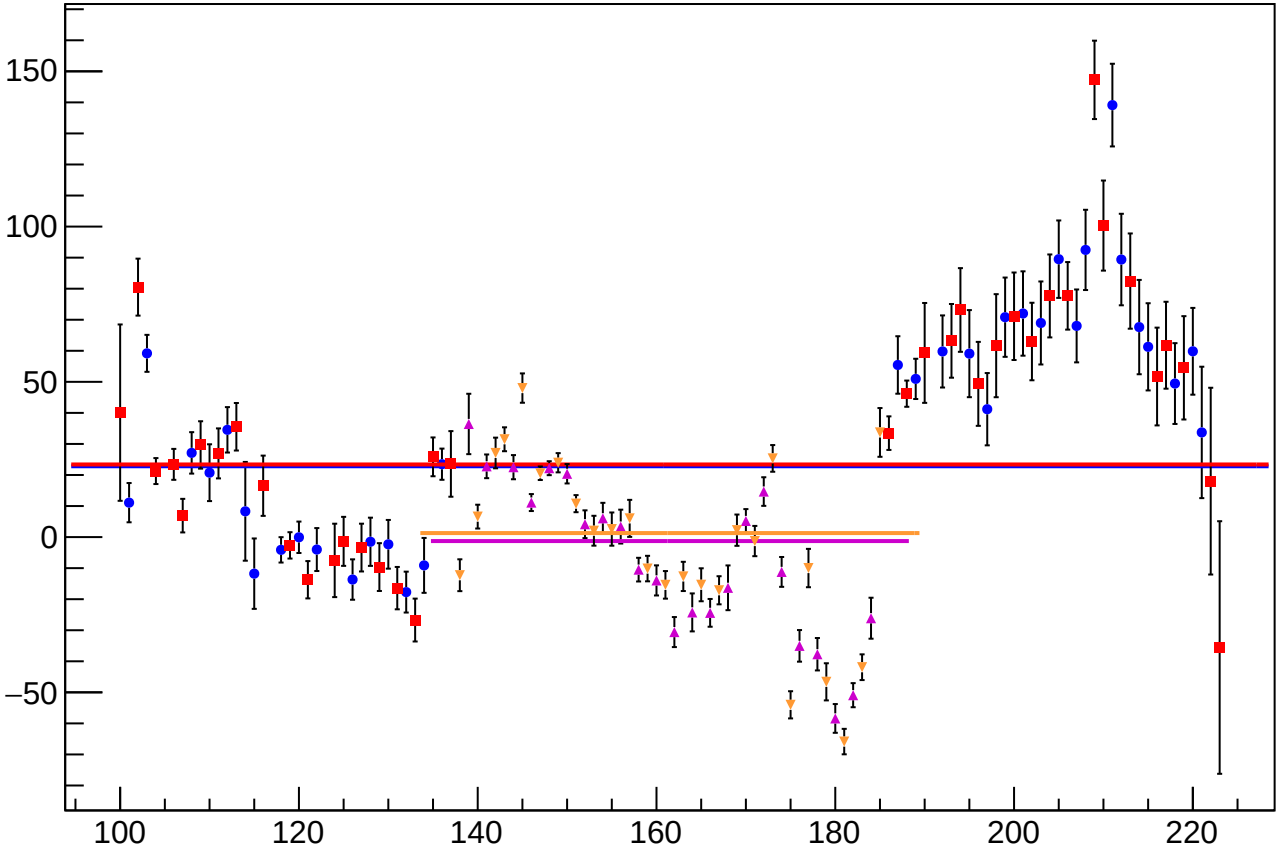
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -255.909+/-0.838 χ^2/NDF: 7421.5/58

All: -258.210+/-0.585 χ^2/NDF: 18099.0/119

- sign -260.392+/-0.817 χ^2/NDF: 10662.8/60

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 22.813+/-1.421 χ^2/NDF: 522.1/33

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 23.389+/-1.298 χ^2/NDF: 552.7/37

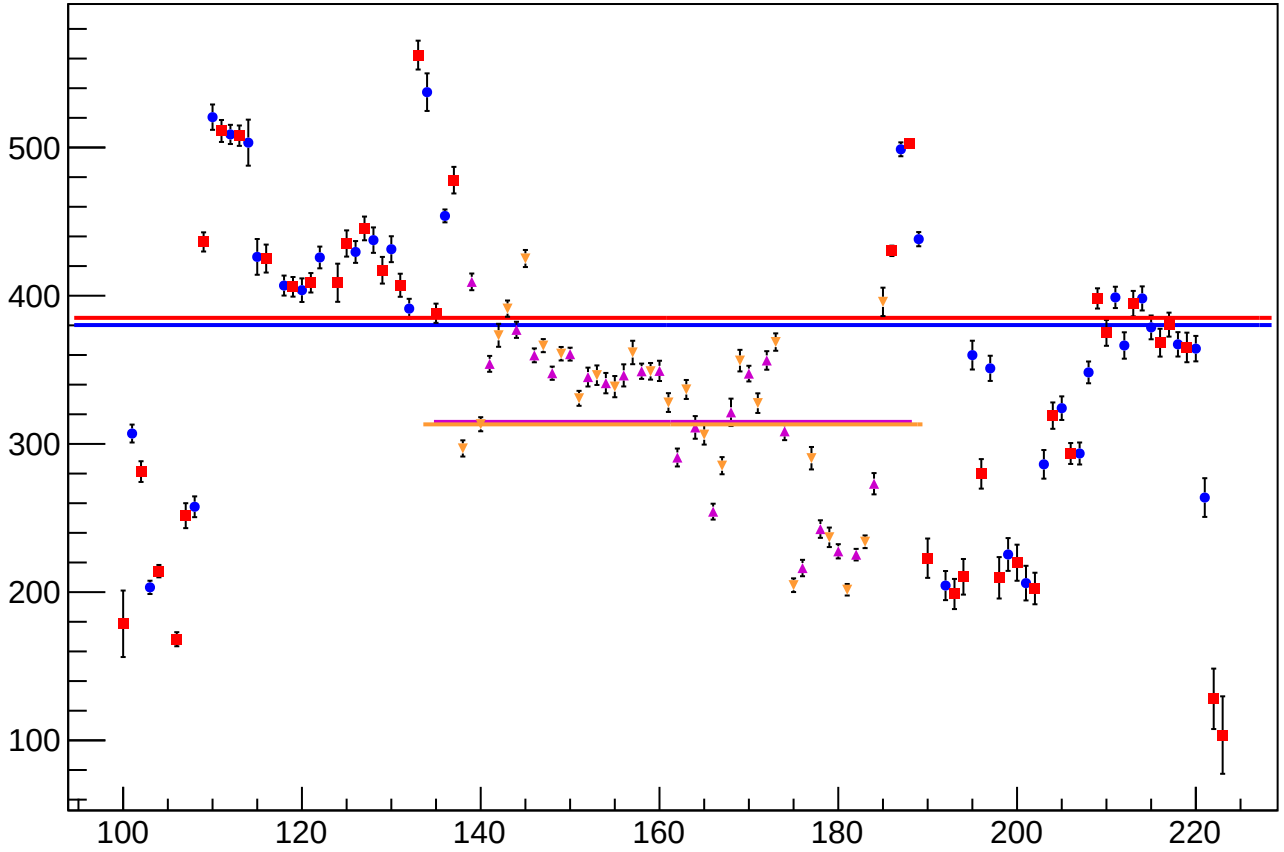
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 6.835+/-0.721 χ^2/NDF: 1741.7/58

All: 6.594+/-0.510 χ^2/NDF: 3355.3/119

\- sign 6.352+/-0.722 χ^2/NDF: 1613.3/60

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 380.200+/-1.261 χ^2/NDF: 5321.1/33

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 385.058+/-1.125 χ^2/NDF: 9986.6/37

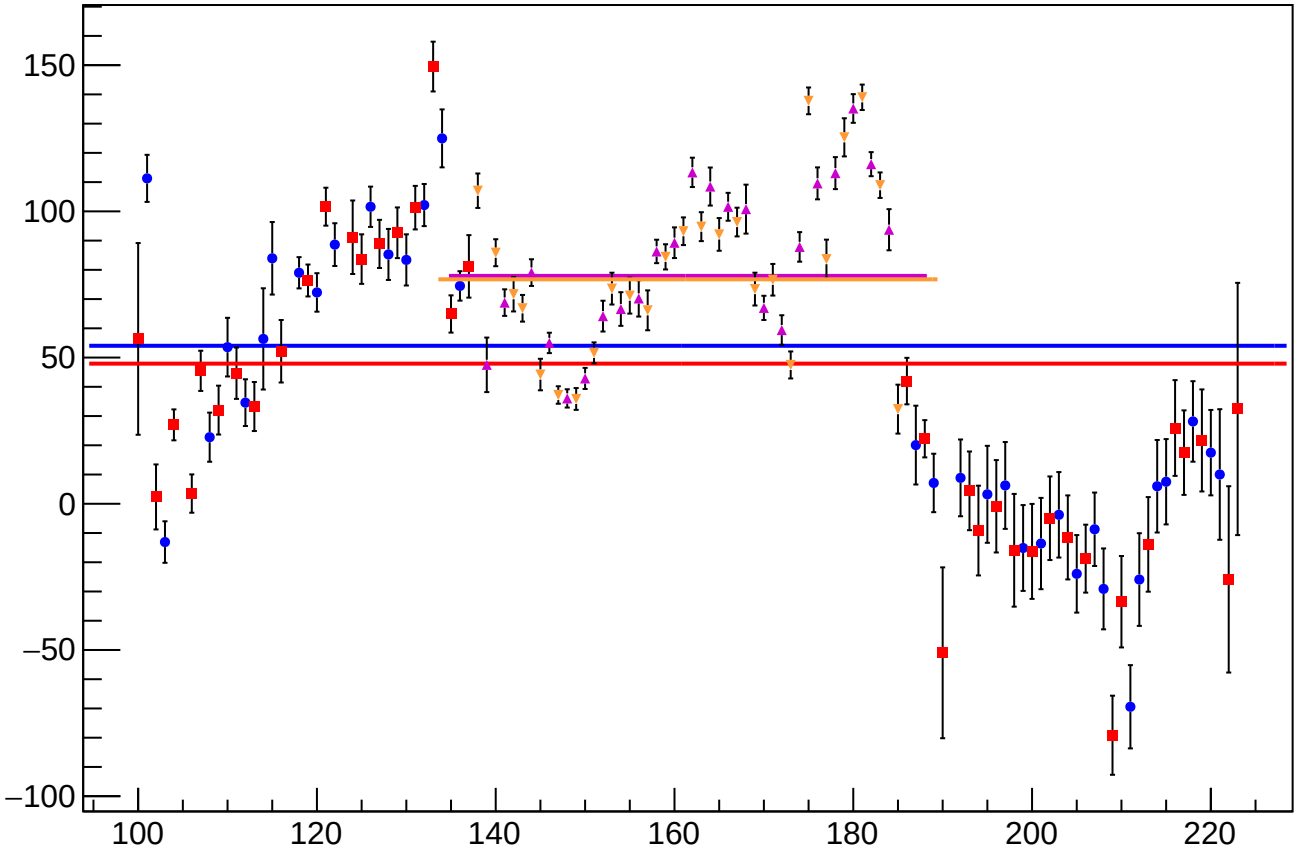
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

\+ sign 343.148+/-0.843 χ^2/NDF: 10017.5/58

All: 347.280+/-0.583 χ^2/NDF: 24363.7/119

\- sign 351.074+/-0.808 χ^2/NDF: 14300.1/60

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 54.032+/-1.649 χ^2/NDF: 747.5/33

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 47.927+/-1.550 χ^2/NDF: 769.3/37

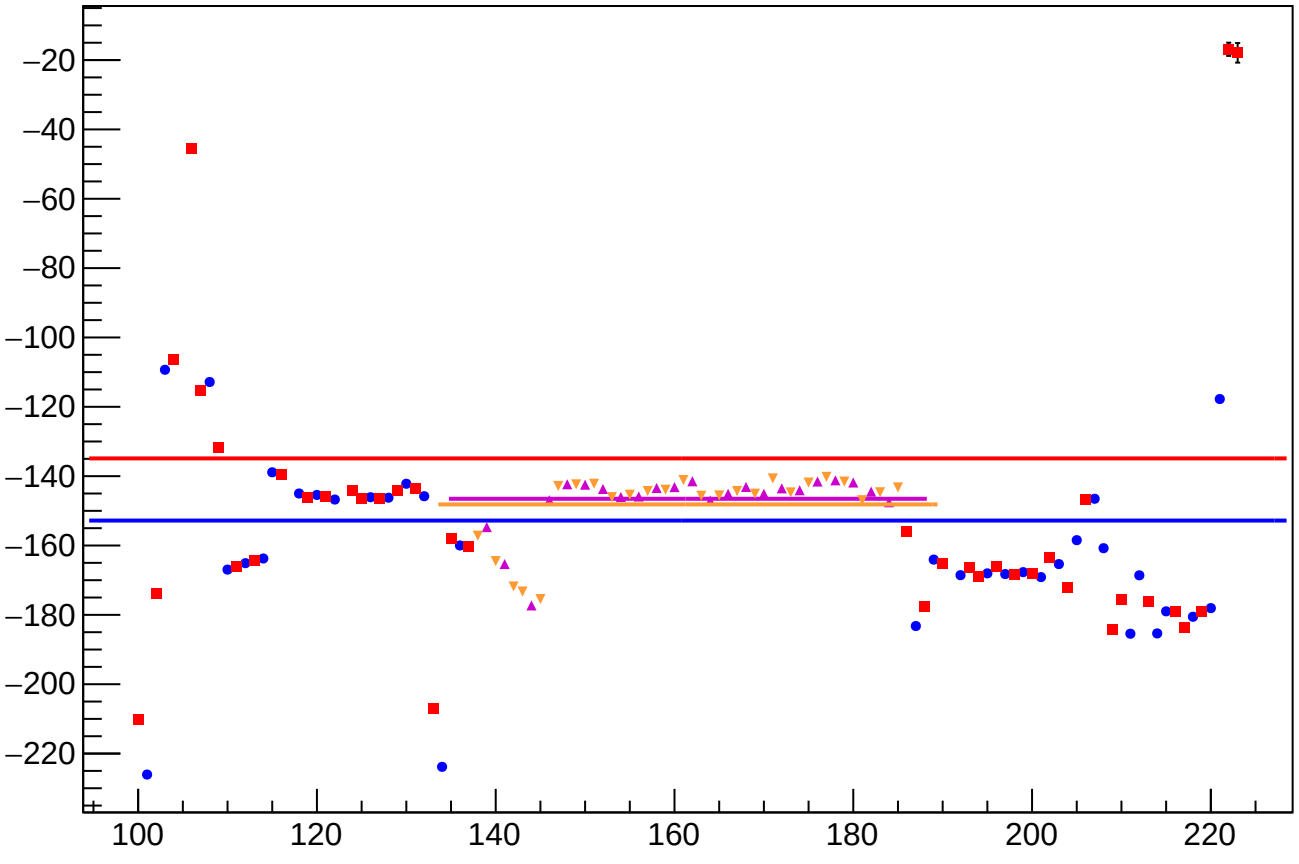
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 70.947+/-0.834 χ^2/NDF: 1924.2/58

All: 70.052+/-0.591 χ^2/NDF: 3744.6/119

- sign 69.147+/-0.838 χ^2/NDF: 1818.1/60

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -152.803+/-0.080 χ^2/NDF: 155160.8/33

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -134.880+/-0.074 χ^2/NDF: 373906.5/37

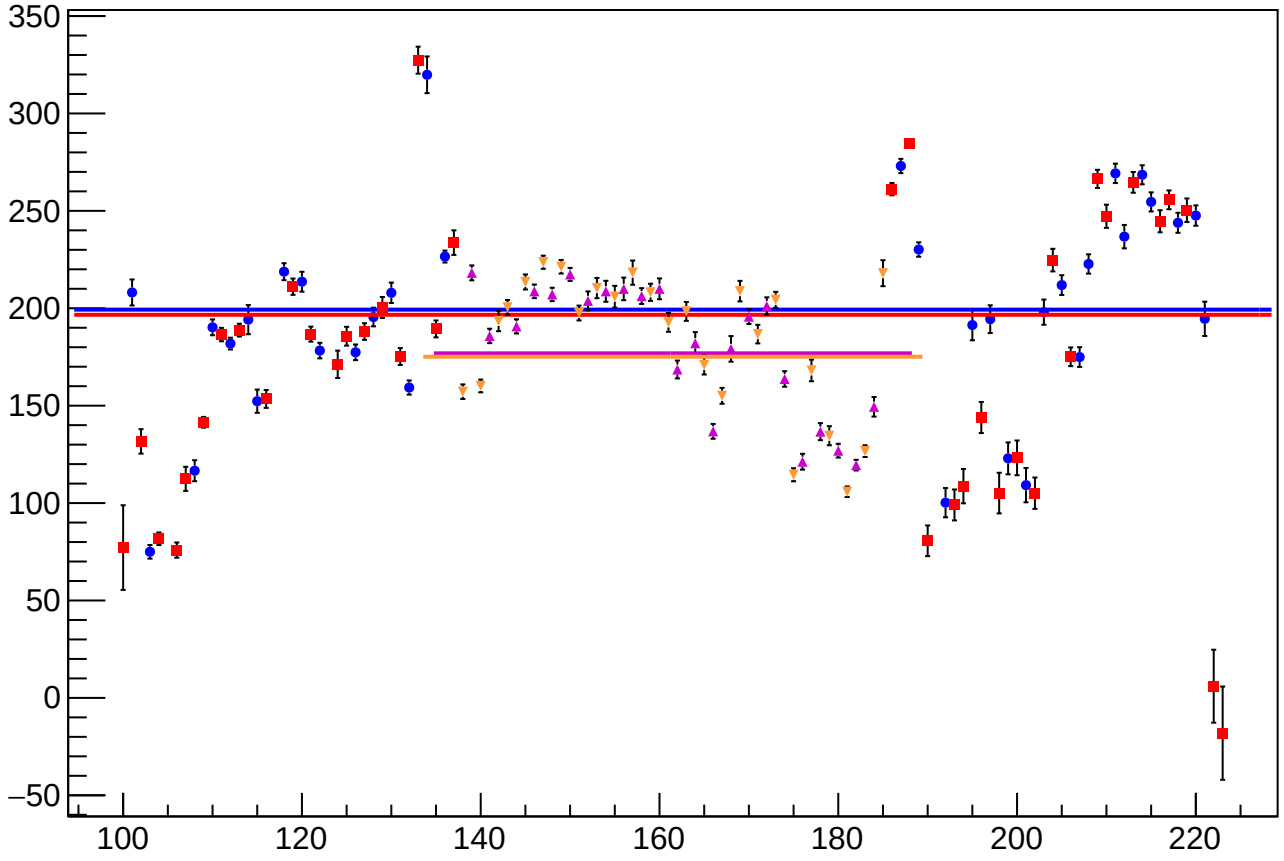
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -149.280+/-0.039 χ^2/NDF: 206661.7/58

All: -146.251+/-0.028 χ^2/NDF: 639606.8/119

- sign -143.298+/-0.039 χ^2/NDF: 421172.1/60

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 199.294+/-0.829 χ^2/NDF: 3665.5/33

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 196.653+/-0.756 χ^2/NDF: 7757.0/37

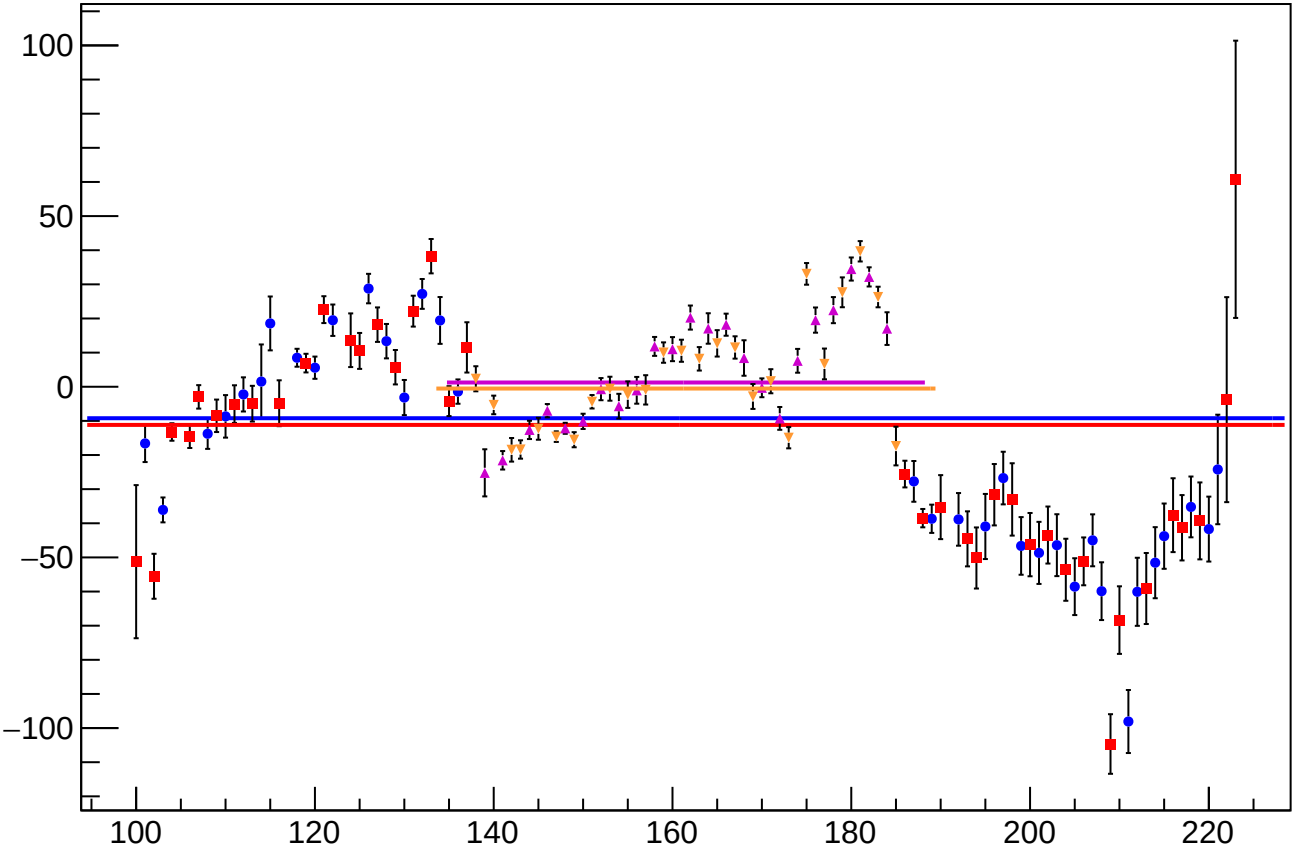
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 187.103+/-0.584 χ^2/NDF: 6389.1/58

All: 187.507+/-0.406 χ^2/NDF: 16207.2/119

- sign 187.884+/-0.564 χ^2/NDF: 9817.1/60

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -9.221+/-0.952 χ^2/NDF: 776.9/33

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -11.177+/-0.857 χ^2/NDF: 859.2/37

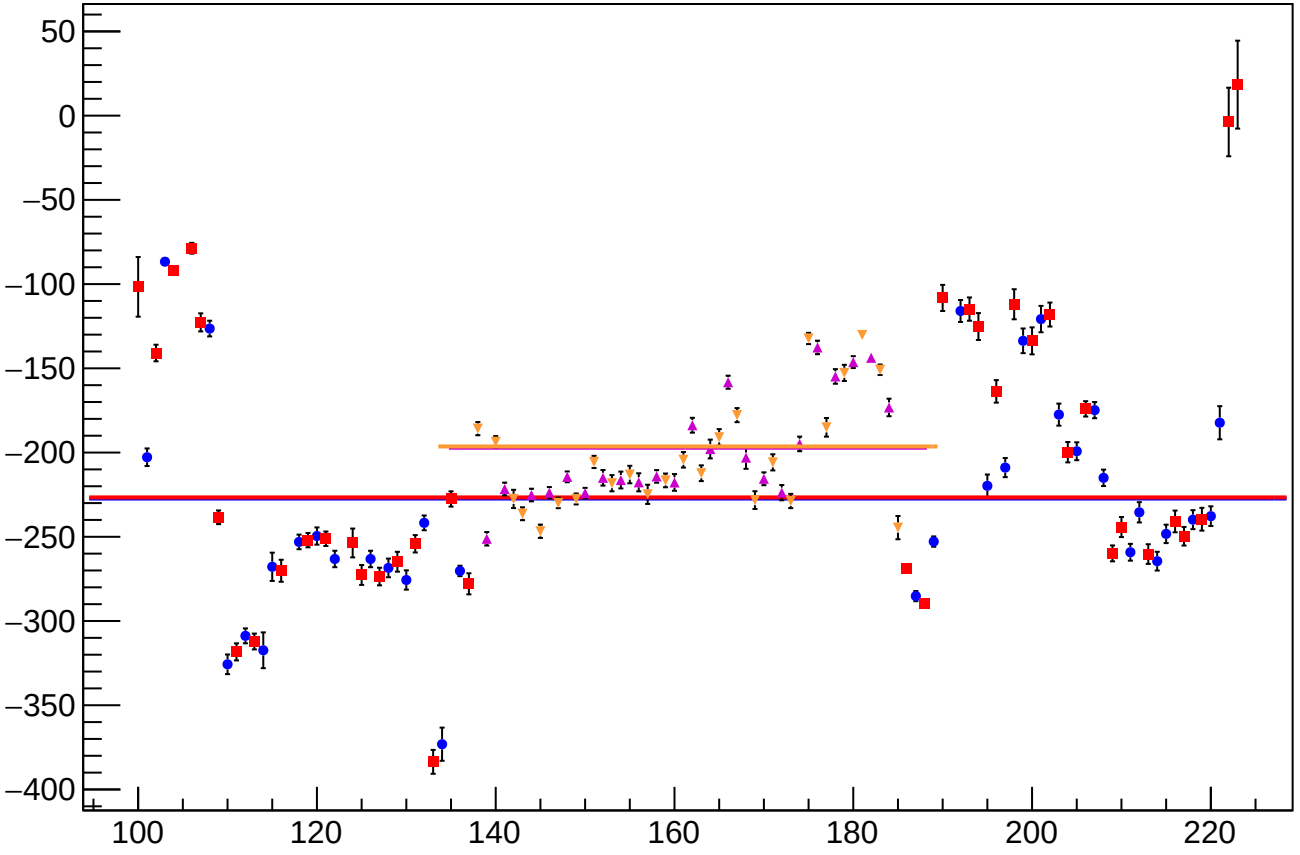
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -3.001+/-0.508 χ^2/NDF: 1561.1/58

All: -3.036+/-0.358 χ^2/NDF: 3177.9/119

- sign -3.071+/-0.505 χ^2/NDF: 1616.7/60

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -227.301+/-0.845 χ^2/NDF: 5971.0/33

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.630+/-0.745 χ^2/NDF: 10885.5/37

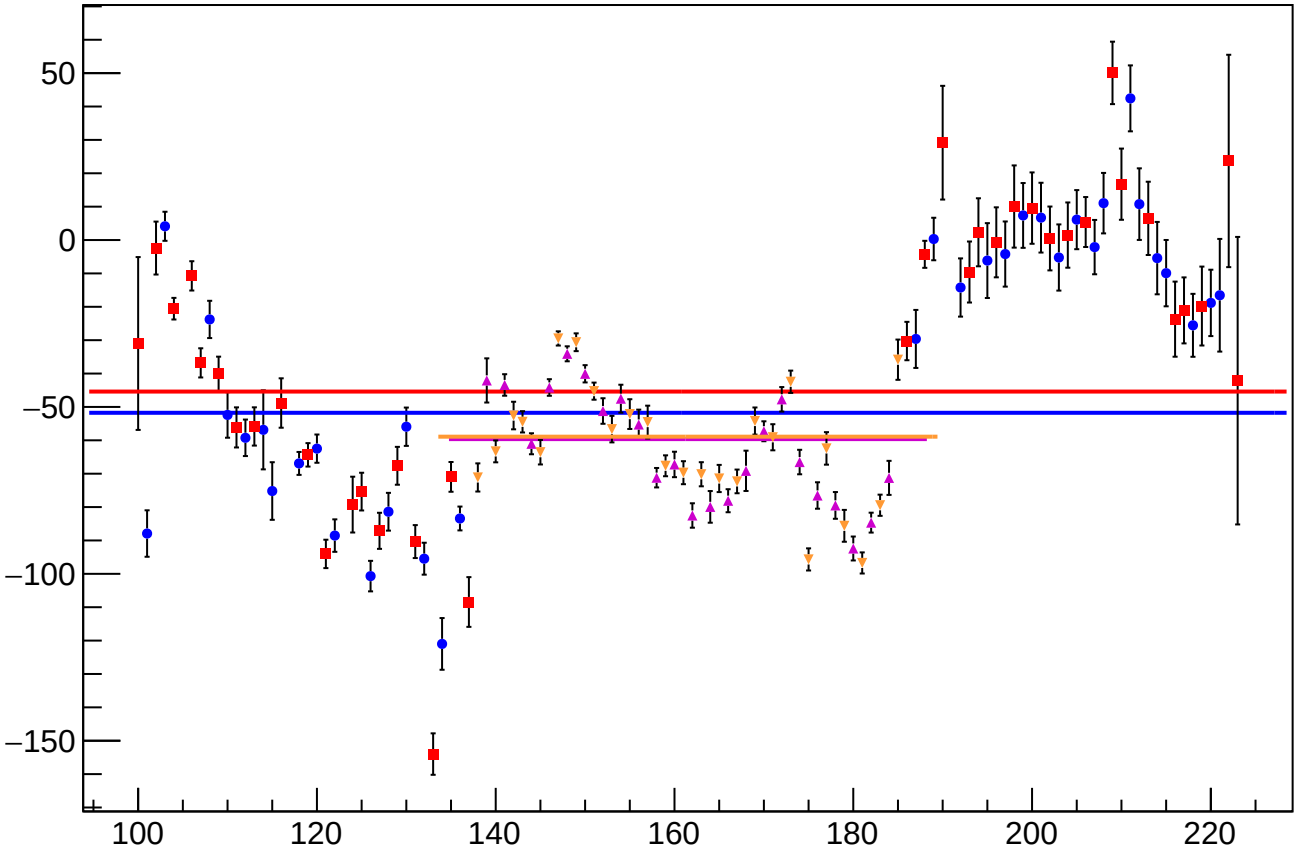
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -211.293+/-0.587 χ^2/NDF: 8661.6/58

All: -212.500+/-0.404 χ^2/NDF: 21850.0/119

- sign -213.585+/-0.556 χ^2/NDF: 13180.3/60

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -51.755+/-1.108 χ^2/NDF: 1228.7/33

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -45.395+/-1.027 χ^2/NDF: 1438.5/37

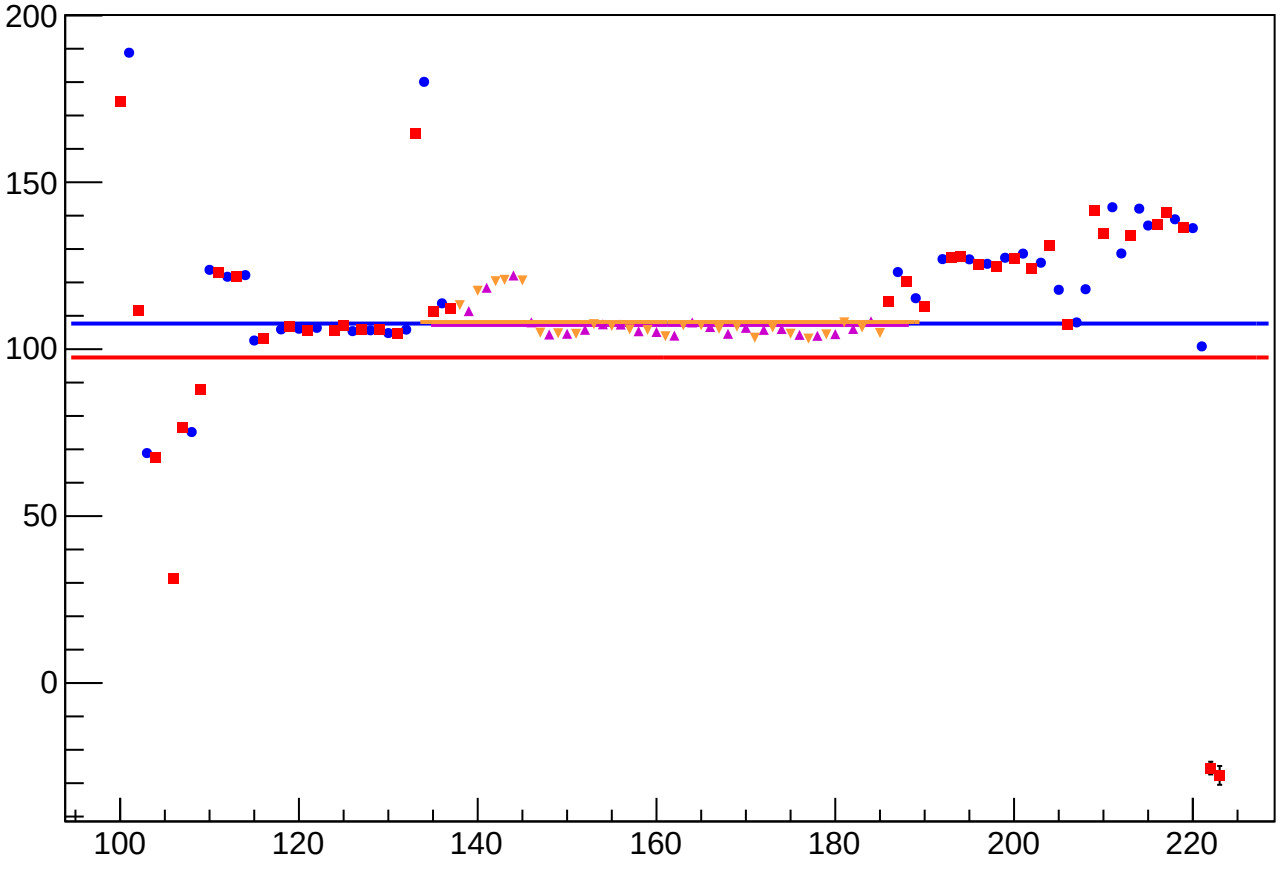
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

\+ sign -56.891+/-0.589 χ^2/NDF: 2041.1/58

All: -55.924+/-0.416 χ^2/NDF: 4211.2/119

\- sign -54.957+/-0.589 χ^2/NDF: 2164.7/60

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 107.675+/-0.053 χ^2/NDF: 294436.4/33

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

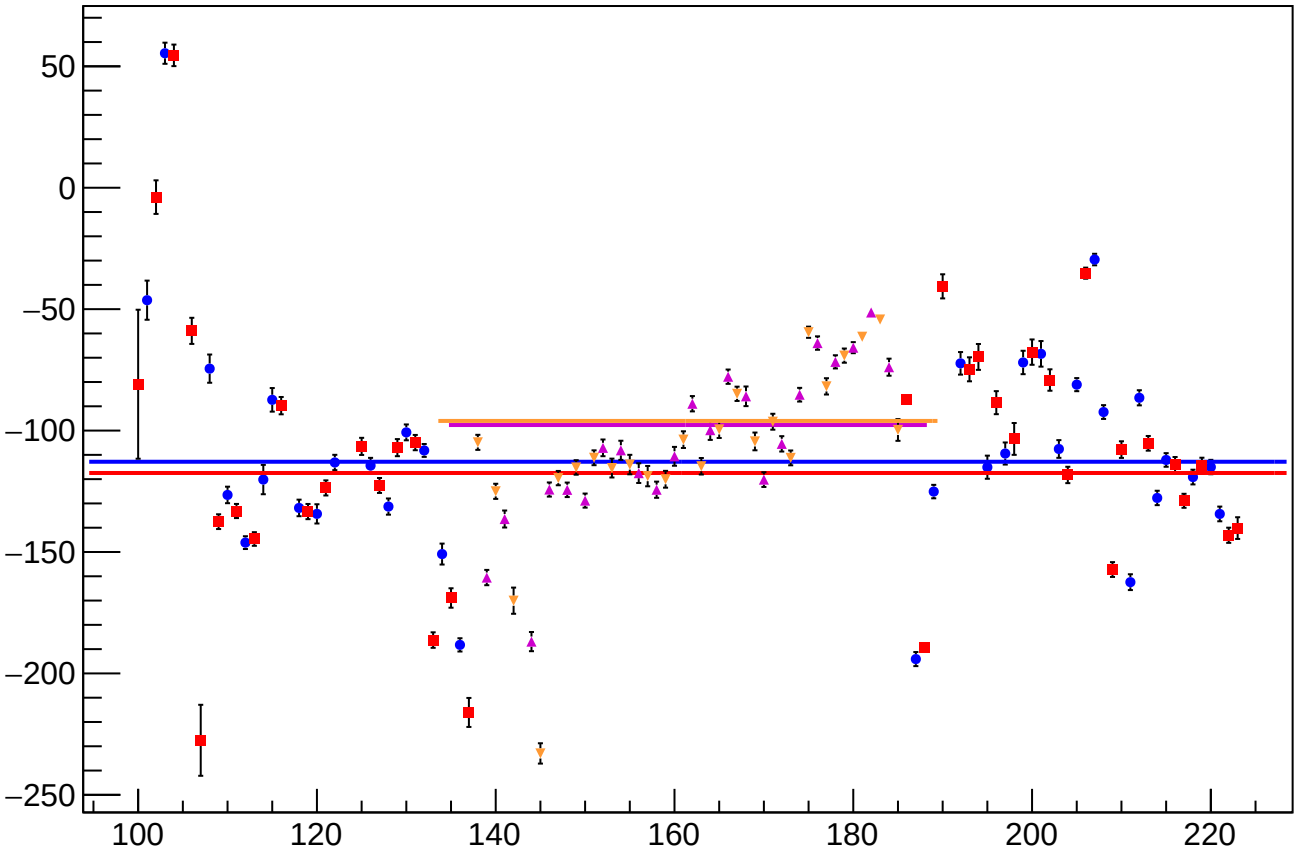
Right Out: 97.519+/-0.050 χ^2/NDF: 427568.7/37

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 108.011+/-0.028 χ^2/NDF: 320911.3/58

All: 106.136+/-0.019 χ^2/NDF: 801195.8/119

- sign 104.303+/-0.027 χ^2/NDF: 471229.7/60



Right In: -112.835+/-0.576 χ^2/NDF: 5590.7/33

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

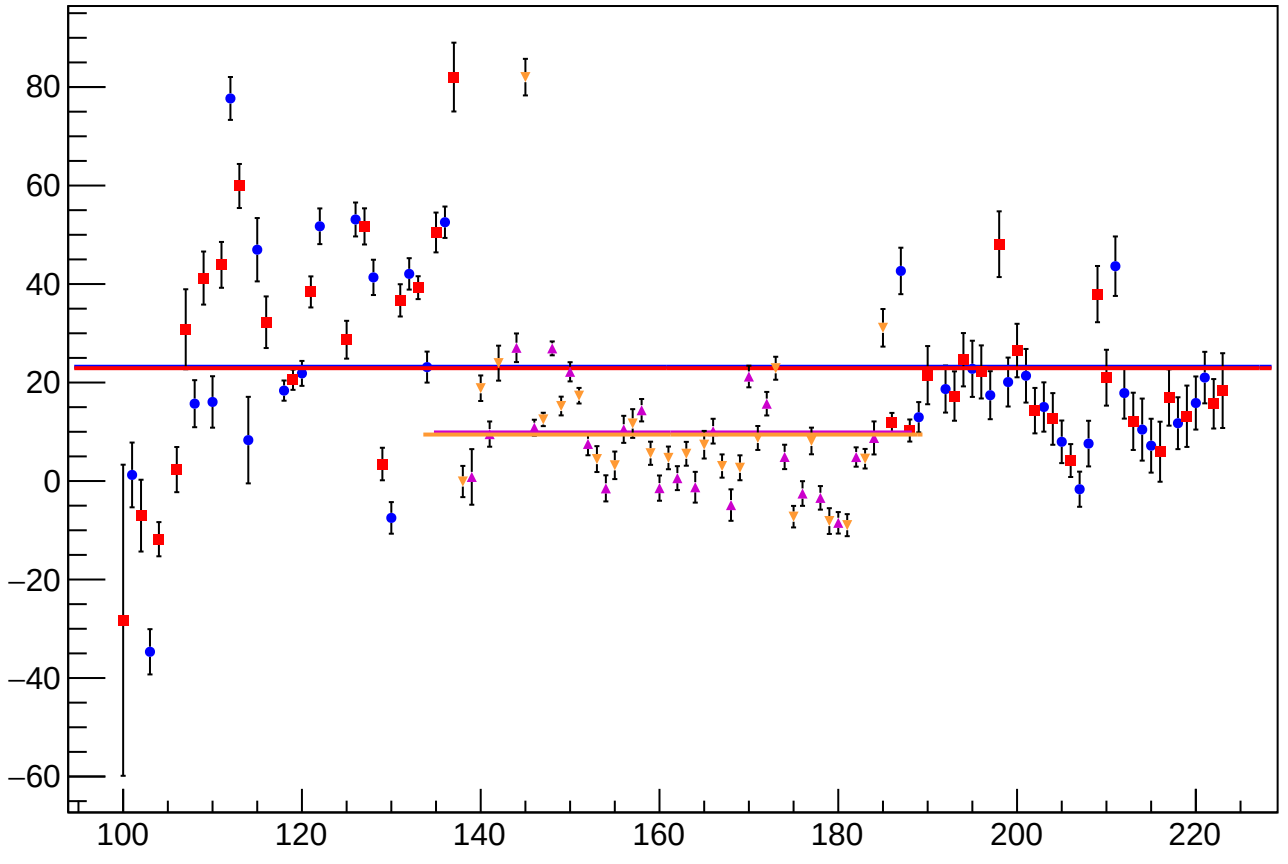
Right Out: -117.463+/-0.545 χ^2/NDF: 7633.7/36

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -105.242+/-0.427 χ^2/NDF: 8746.0/57

All: -107.244+/-0.297 χ^2/NDF: 19616.6/117

\- sign -109.135+/-0.415 χ^2/NDF: 10827.8/59



Right In: 23.204+/-0.697 χ^2/NDF: 865.2/33

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

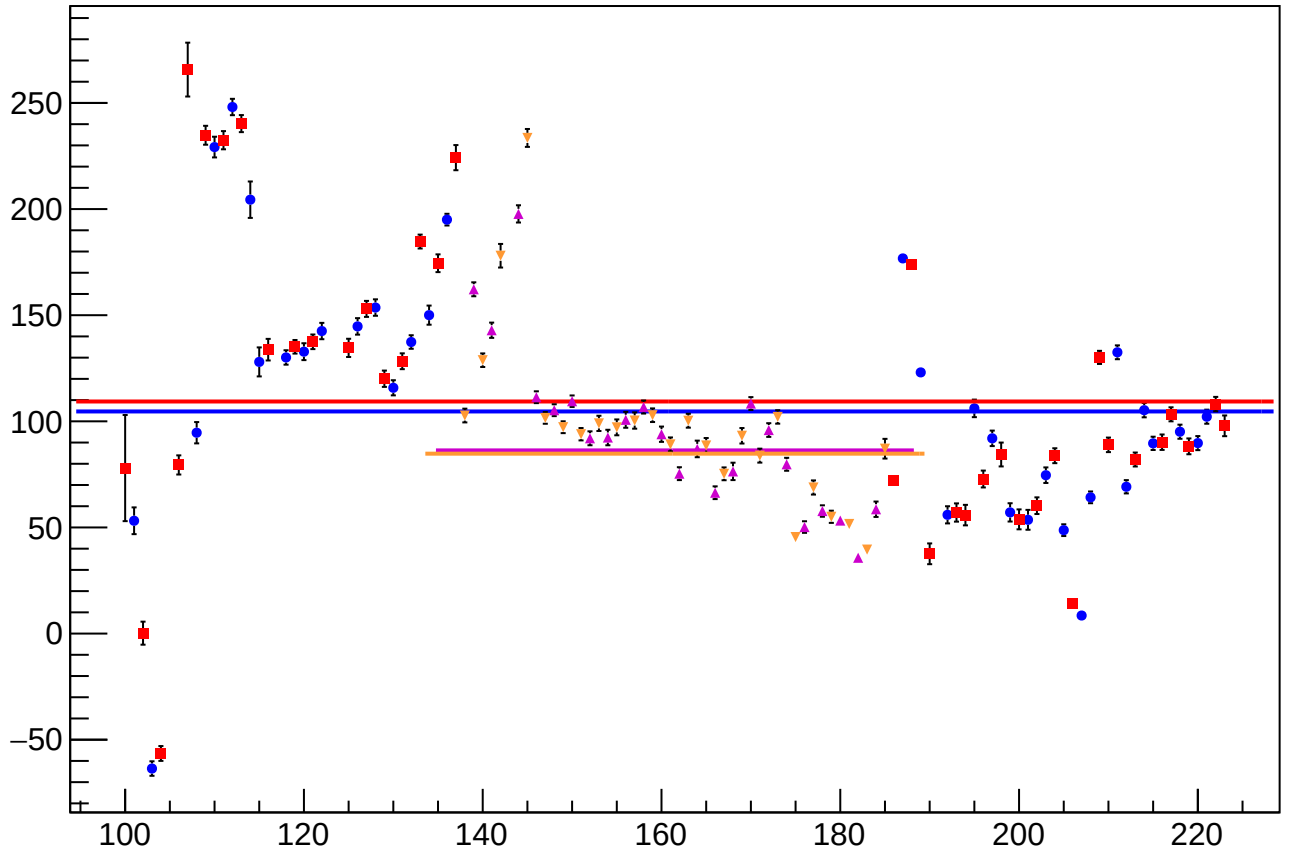
Right Out: 22.912+/-0.659 χ^2/NDF: 694.2/36

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.841+/-0.394 χ^2/NDF: 1866.8/57

All: 14.156+/-0.278 χ^2/NDF: 3301.3/117

\- sign 14.468+/-0.391 χ^2/NDF: 1433.2/59



Right In: 104.651+/-0.593 χ^2/NDF: 10574.7/33

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

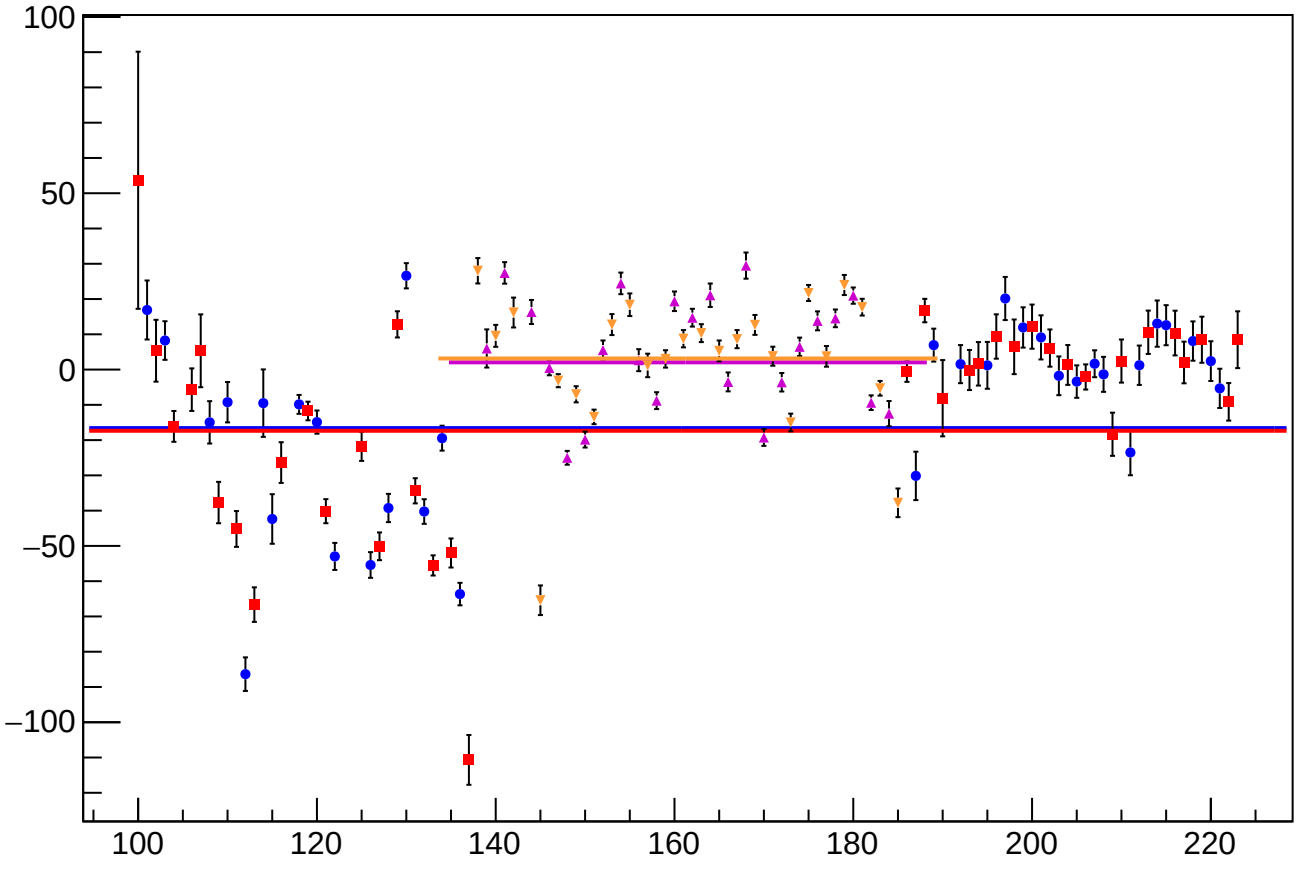
Right Out: 109.346+/-0.539 χ^2/NDF: 13332.0/36

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 95.293+/-0.432 χ^2/NDF: 14214.6/57

All: 97.582+/-0.297 χ^2/NDF: 31523.4/117

\- sign 99.647+/-0.410 χ^2/NDF: 17255.3/59



Right In: -16.600+/-0.801 χ^2/NDF: 1186.2/33

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

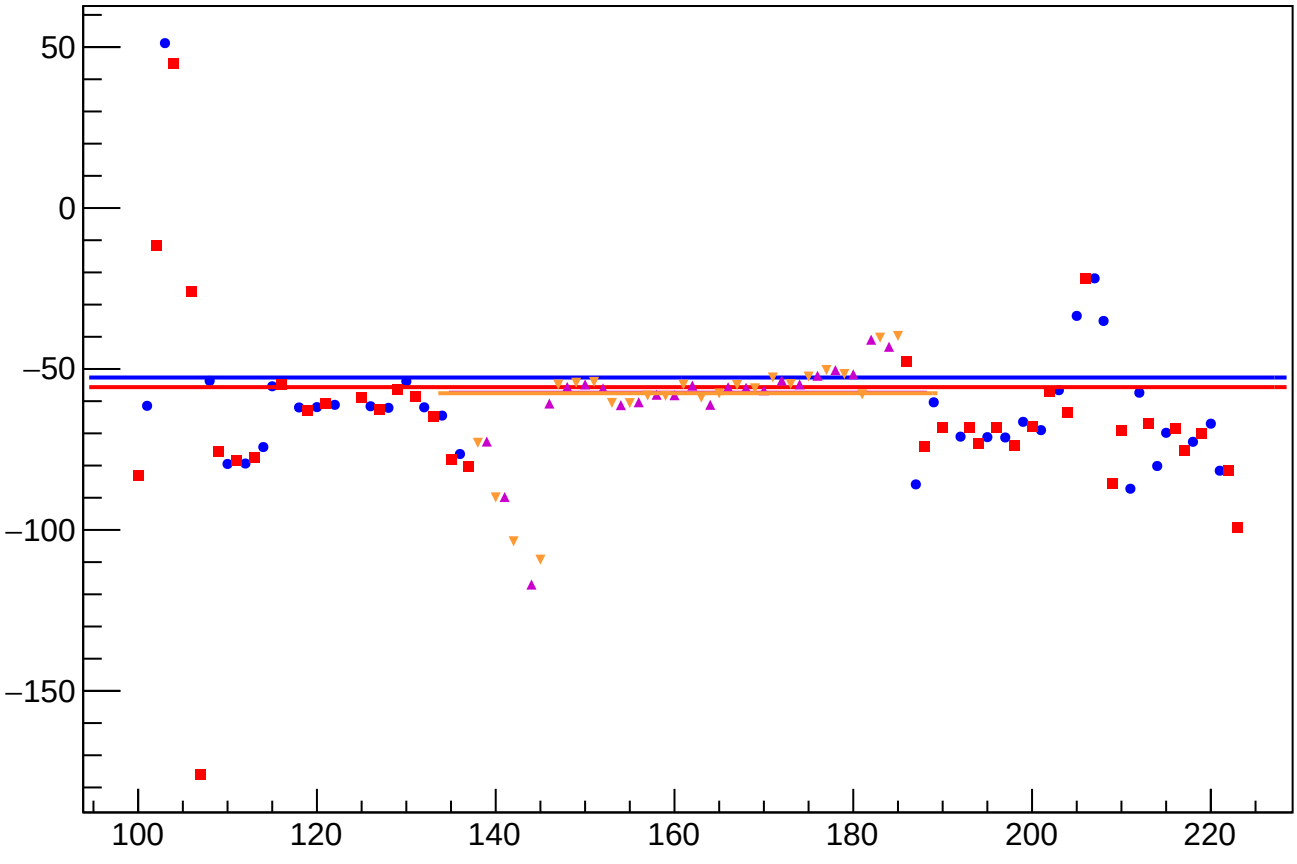
Right Out: -17.348+/-0.782 χ^2/NDF: 1141.4/36

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.083+/-0.450 χ^2/NDF: 2416.6/57

All: -3.736+/-0.318 χ^2/NDF: 4824.5/117

- sign -4.390+/-0.450 χ^2/NDF: 2403.7/59



Right In: -52.650+/-0.039 χ^2/NDF: 743115.6/33

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -55.641+/-0.039 χ^2/NDF: 657014.8/36

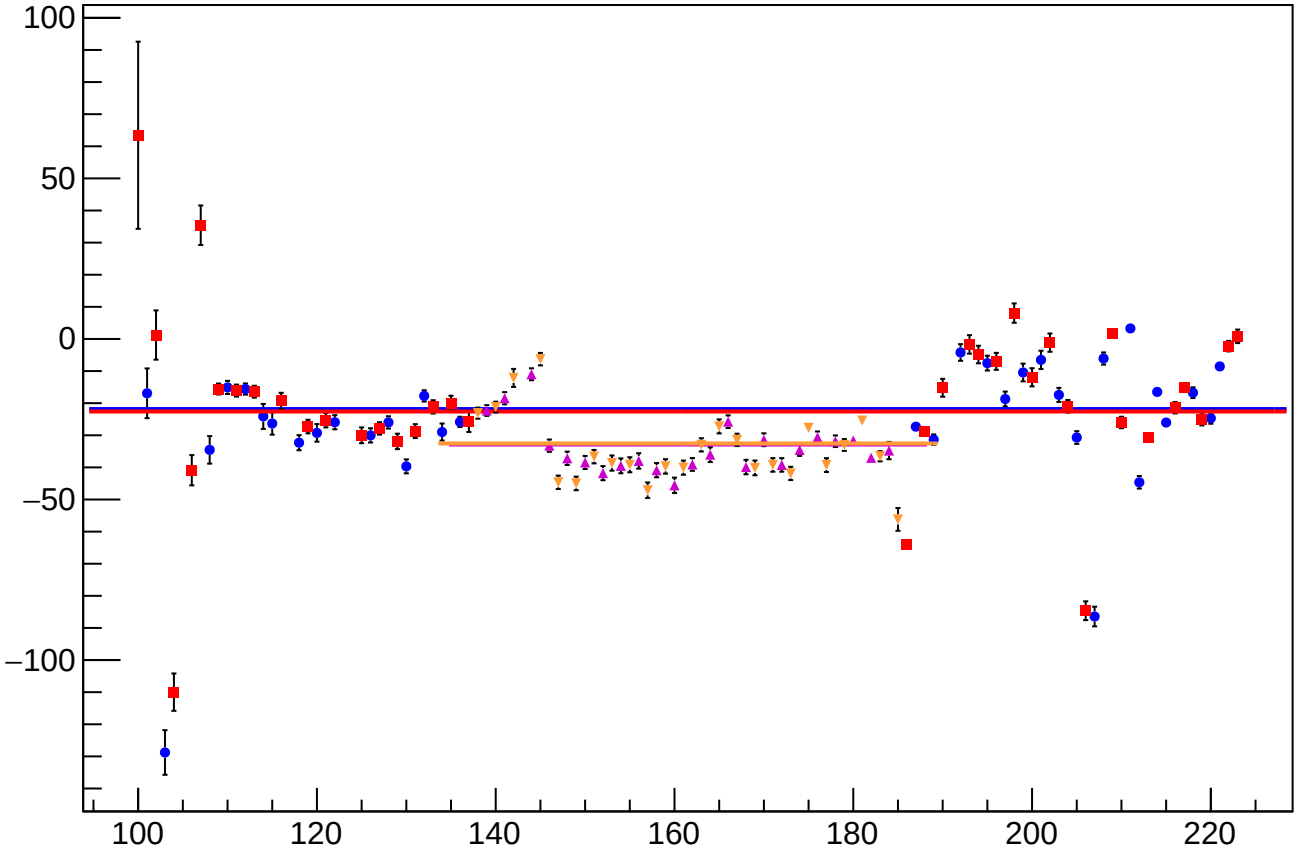
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

\+ sign -56.129+/-0.021 χ^2/NDF: 1021315.1/57

All: -56.506+/-0.015 χ^2/NDF: 1907513.8/117

\- sign -56.883+/-0.021 χ^2/NDF: 885549.4/59

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -21.832+/-0.351 χ^2/NDF: 1638.9/33

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

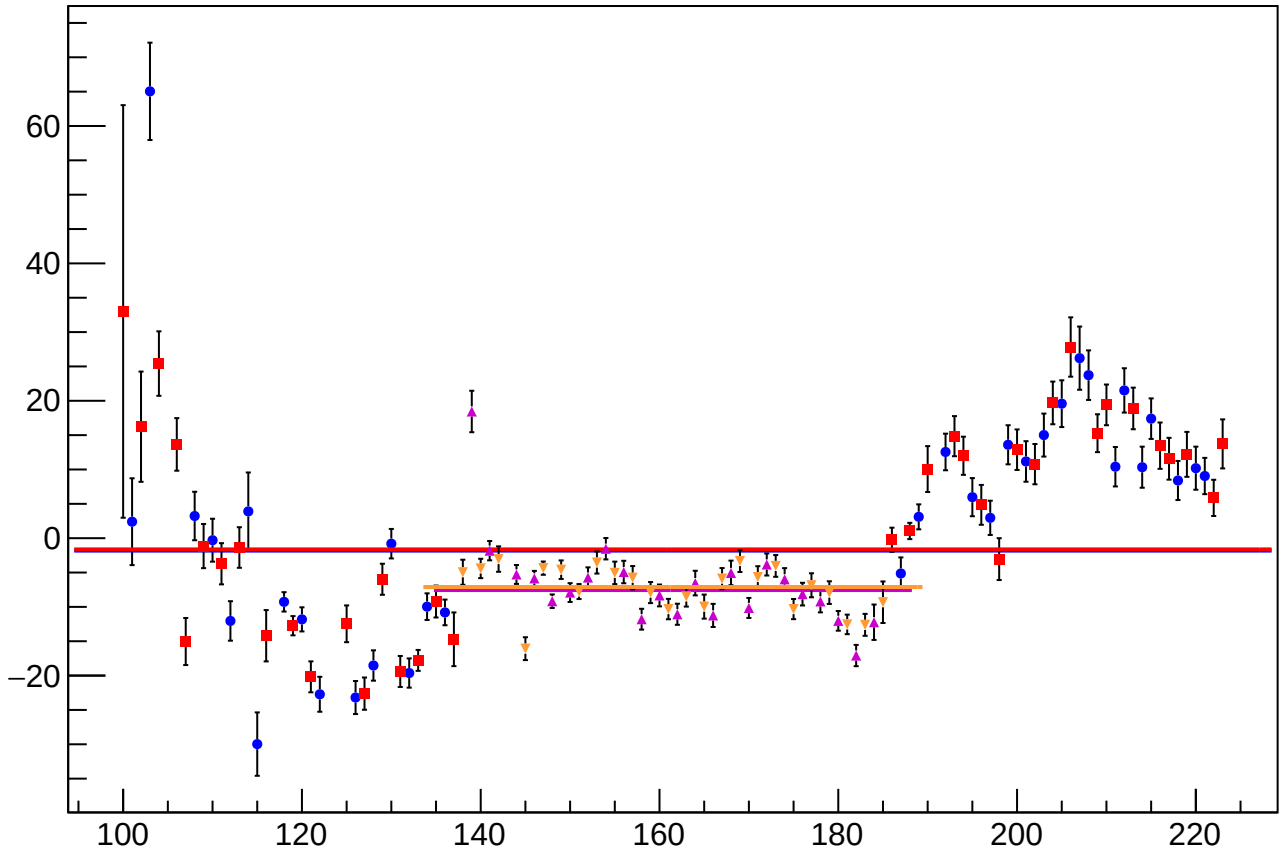
Right Out: -22.594+/-0.334 χ^2/NDF: 2718.8/36

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -26.404+/-0.266 χ^2/NDF: 2640.9/57

All: -26.540+/-0.185 χ^2/NDF: 6109.7/117

- sign -26.669+/-0.259 χ^2/NDF: 3468.3/59



Right In: -1.802+/-0.445 χ^2/NDF: 946.3/33

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

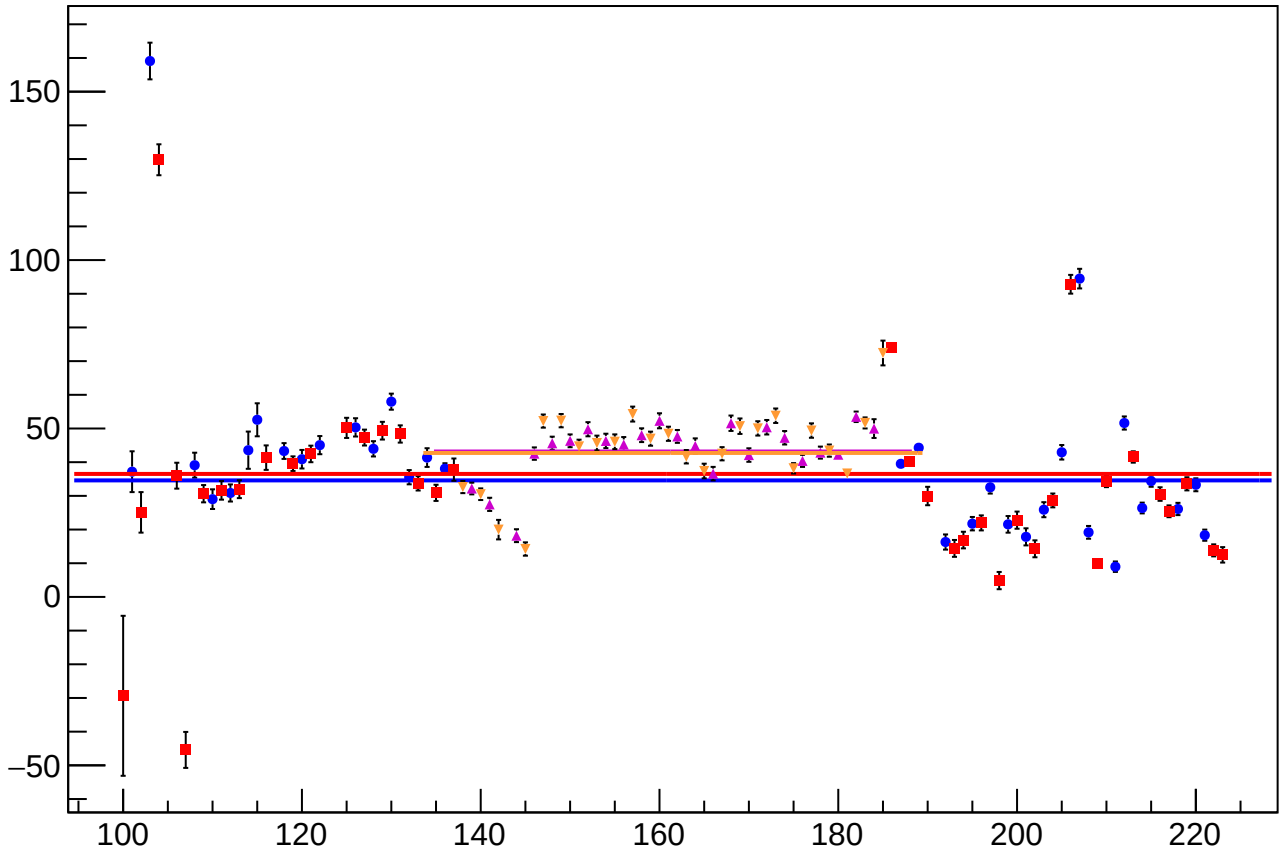
Right Out: -1.635+/-0.424 χ^2/NDF: 942.4/36

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -5.379+/-0.254 χ^2/NDF: 1151.9/57

All: -5.411+/-0.179 χ^2/NDF: 2419.4/117

- sign -5.442+/-0.253 χ^2/NDF: 1267.5/59



Right In: 34.594+/-0.361 χ^2/NDF: 2000.5/33

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

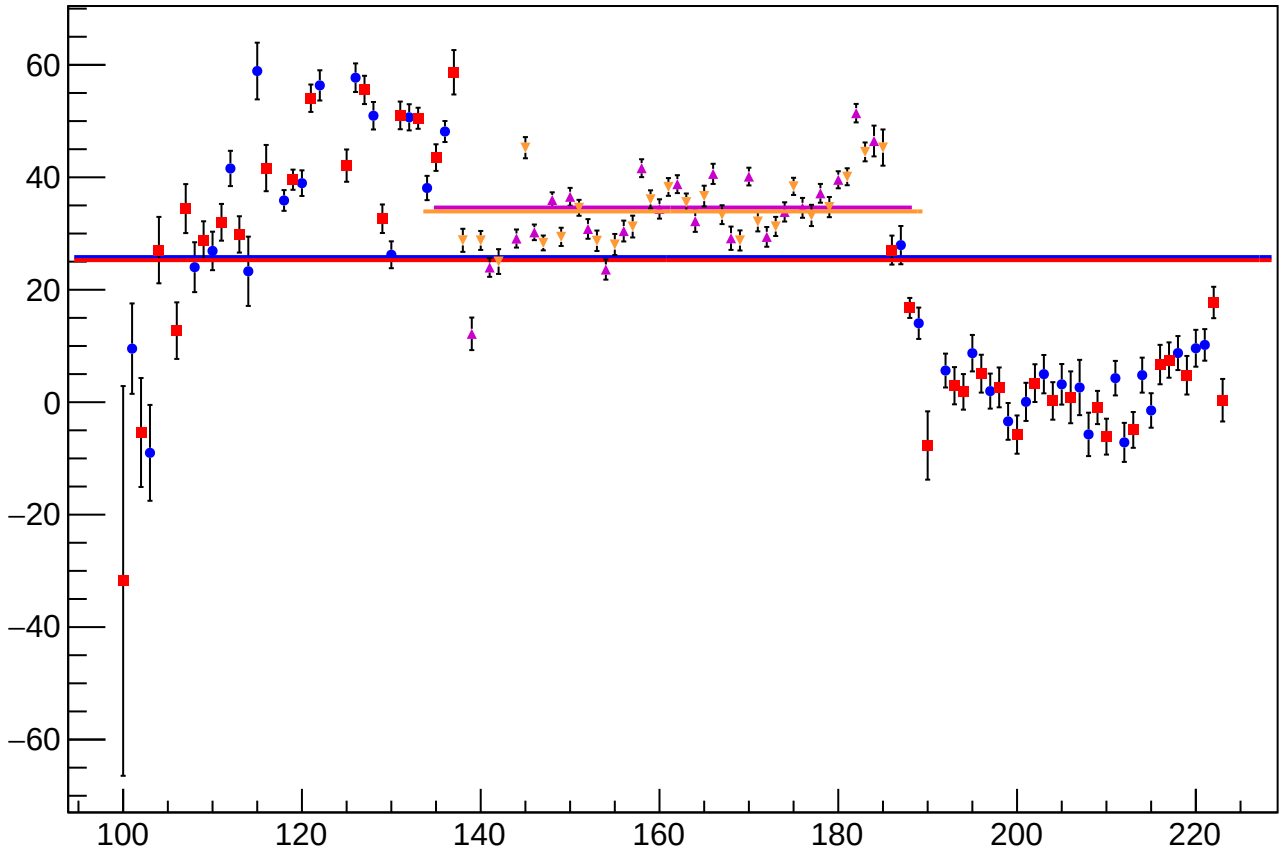
Right Out: 36.514+/-0.333 χ^2/NDF: 3436.6/36

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 38.220+/-0.269 χ^2/NDF: 2858.8/57

All: 38.722+/-0.186 χ^2/NDF: 6875.2/117

- sign 39.182+/-0.258 χ^2/NDF: 4009.7/59



Right In: 25.809+/-0.510 χ^2/NDF: 1637.4/33

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

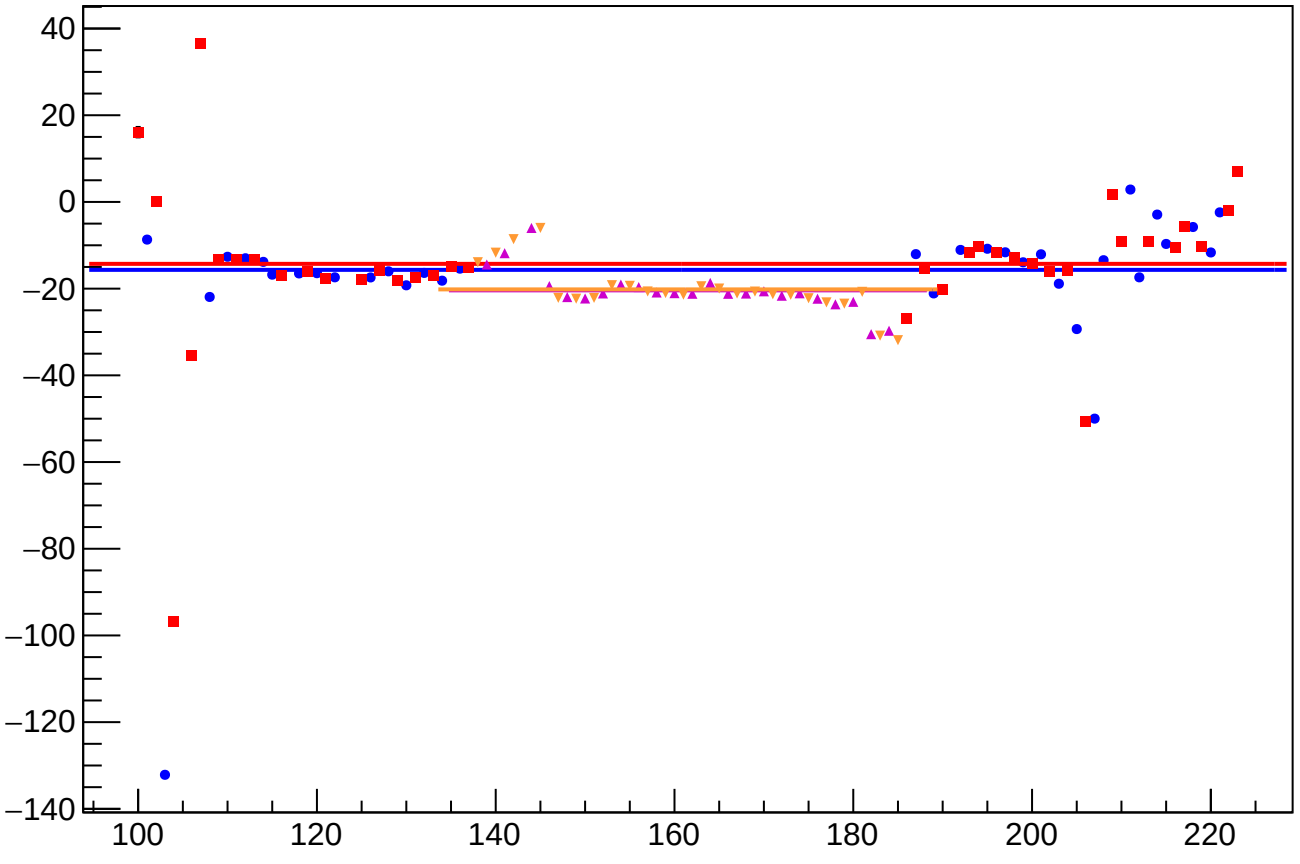
Right Out: 25.269+/-0.499 χ^2/NDF: 1710.9/36

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 31.324+/-0.289 χ^2/NDF: 2026.0/57

All: 31.395+/-0.205 χ^2/NDF: 4345.7/117

\- sign 31.467+/-0.290 χ^2/NDF: 2319.5/59



Right In: -15.669+/-0.025 χ^2/NDF: 342713.0/33

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

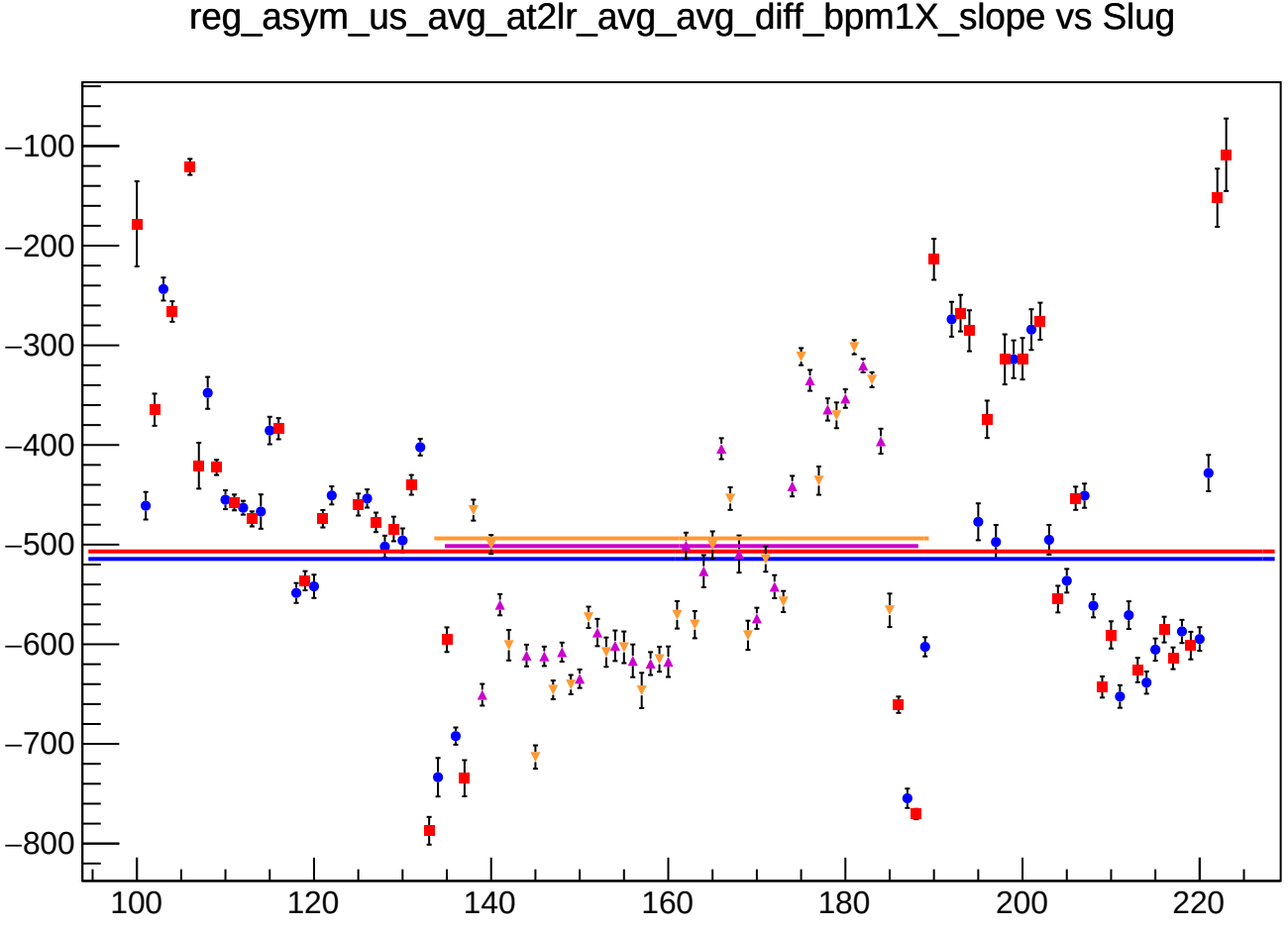
Right Out: -14.282+/-0.025 χ^2/NDF: 292490.0/36

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -18.896+/-0.013 χ^2/NDF: 465802.3/57

All: -18.763+/-0.009 χ^2/NDF: 883003.4/117

- sign -18.630+/-0.013 χ^2/NDF: 417001.7/59



Right In: -514.361+/-1.990 χ^2/NDF: 3348.4/33

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

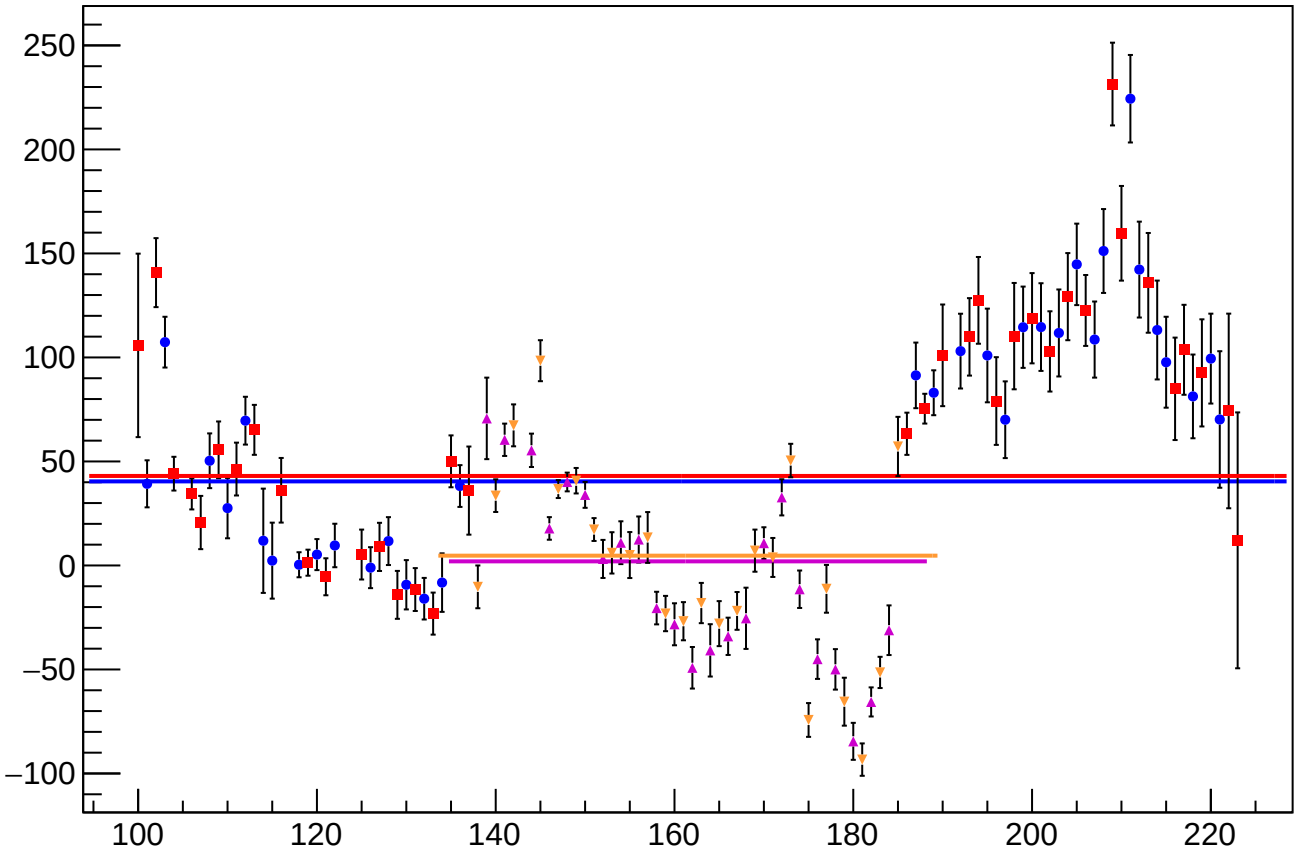
Right Out: -506.814+/-1.857 χ^2/NDF: 8600.1/36

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

\+ sign -505.502+/-1.504 χ^2/NDF: 6544.6/57

All: -505.082+/-1.042 χ^2/NDF: 17837.4/117

\- sign -504.694+/-1.447 χ^2/NDF: 11292.7/59



Right In: 40.415+/-2.286 χ^2/NDF: 487.7/33

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

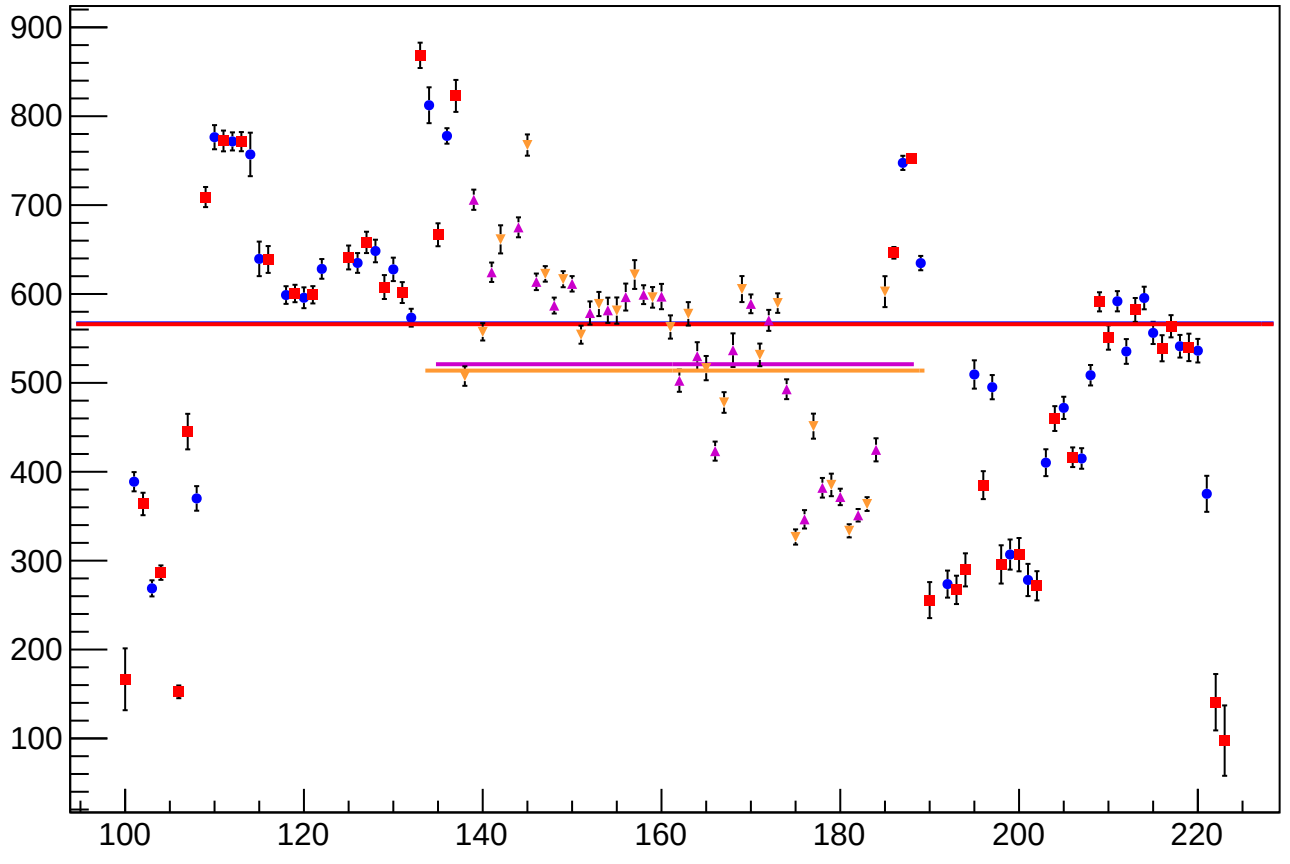
Right Out: 43.029+/-2.149 χ^2/NDF: 510.2/36

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 17.379+/-1.362 χ^2/NDF: 1325.4/57

All: 17.708+/-0.957 χ^2/NDF: 2618.9/117

- sign 18.028+/-1.344 χ^2/NDF: 1293.4/59



Right In: 566.940+/-2.070 χ^2/NDF: 5117.7/33

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 566.004+/-1.871 χ^2/NDF: 11003.4/36

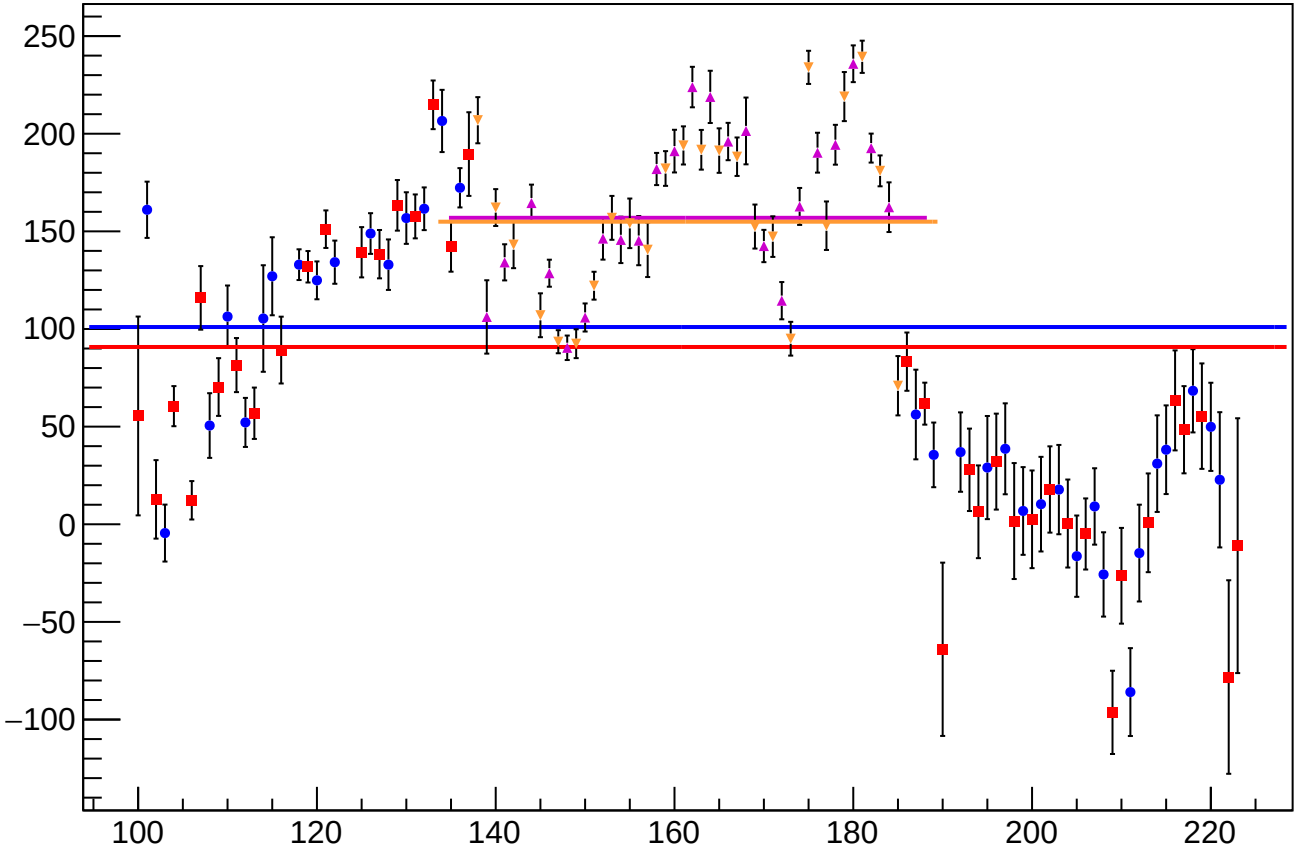
Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

\+ sign 542.906+/-1.532 χ^2/NDF: 8151.1/57

All: 545.559+/-1.052 χ^2/NDF: 21835.5/117

\- sign 547.927+/-1.447 χ^2/NDF: 13678.7/59

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 101.006+/-2.659 χ^2/NDF: 593.5/33

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

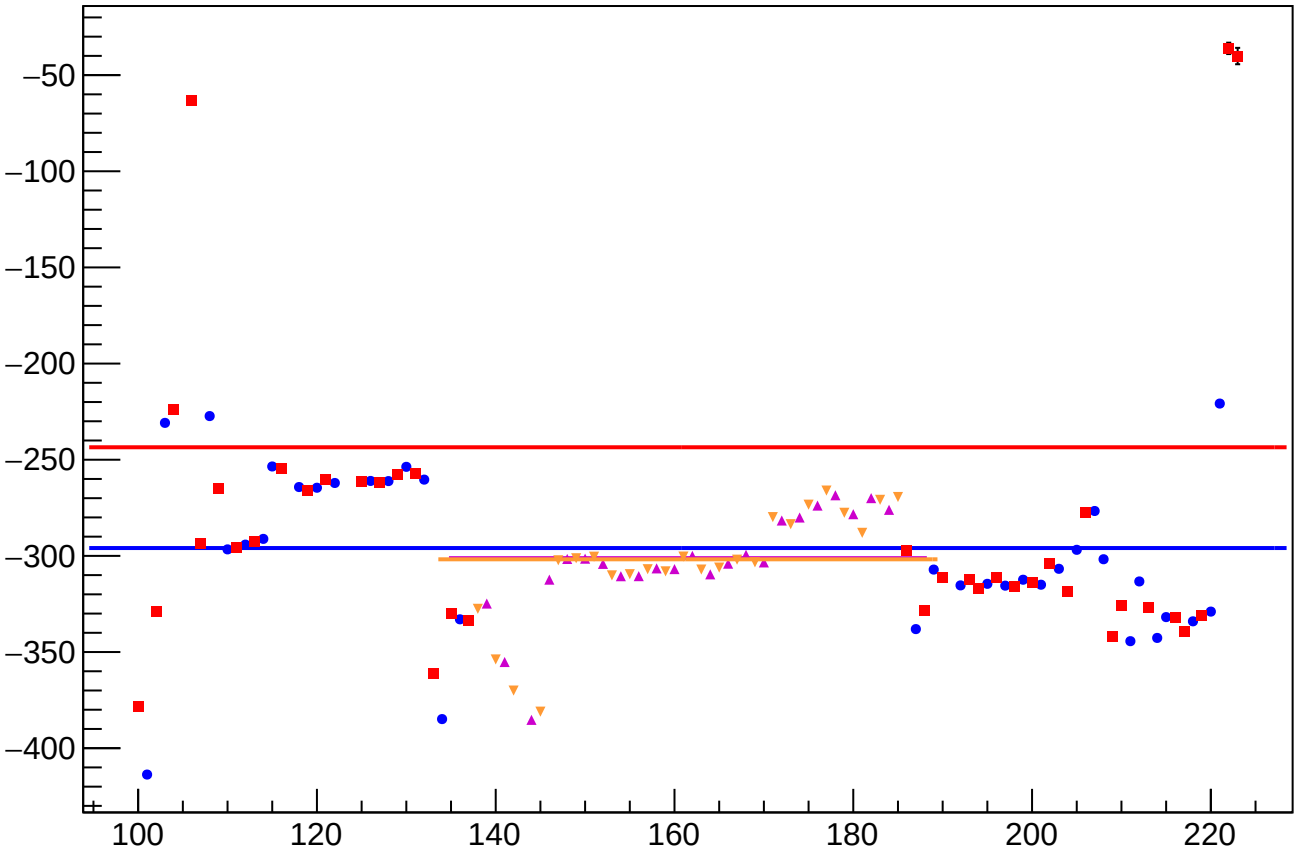
Right Out: 90.787+/-2.557 χ^2/NDF: 653.2/36

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 136.041+/-1.574 χ^2/NDF: 1469.7/57

All: 134.142+/-1.108 χ^2/NDF: 2988.8/117

- sign 132.274+/-1.561 χ^2/NDF: 1516.2/59



Right In: -295.924+/-0.136 χ^2/NDF: 121290.5/33

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

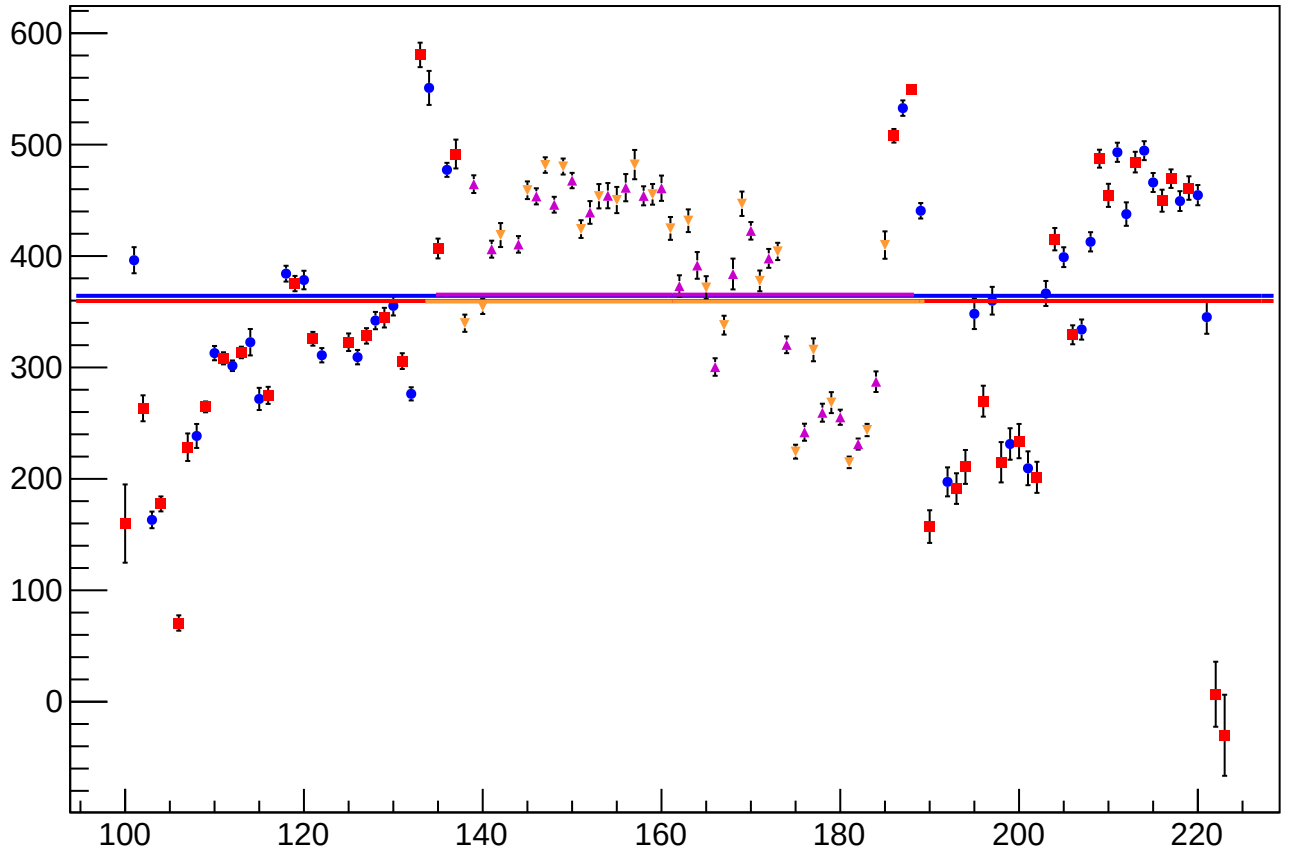
Right Out: -243.523+/-0.121 χ^2/NDF: 723134.0/36

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.978+/-0.076 χ^2/NDF: 209295.5/57

All: -289.846+/-0.052 χ^2/NDF: 1188698.1/11

- sign -280.587+/-0.072 χ^2/NDF: 944939.0/59



Right In: 364.304+/-1.437 χ^2/NDF: 4035.3/33

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

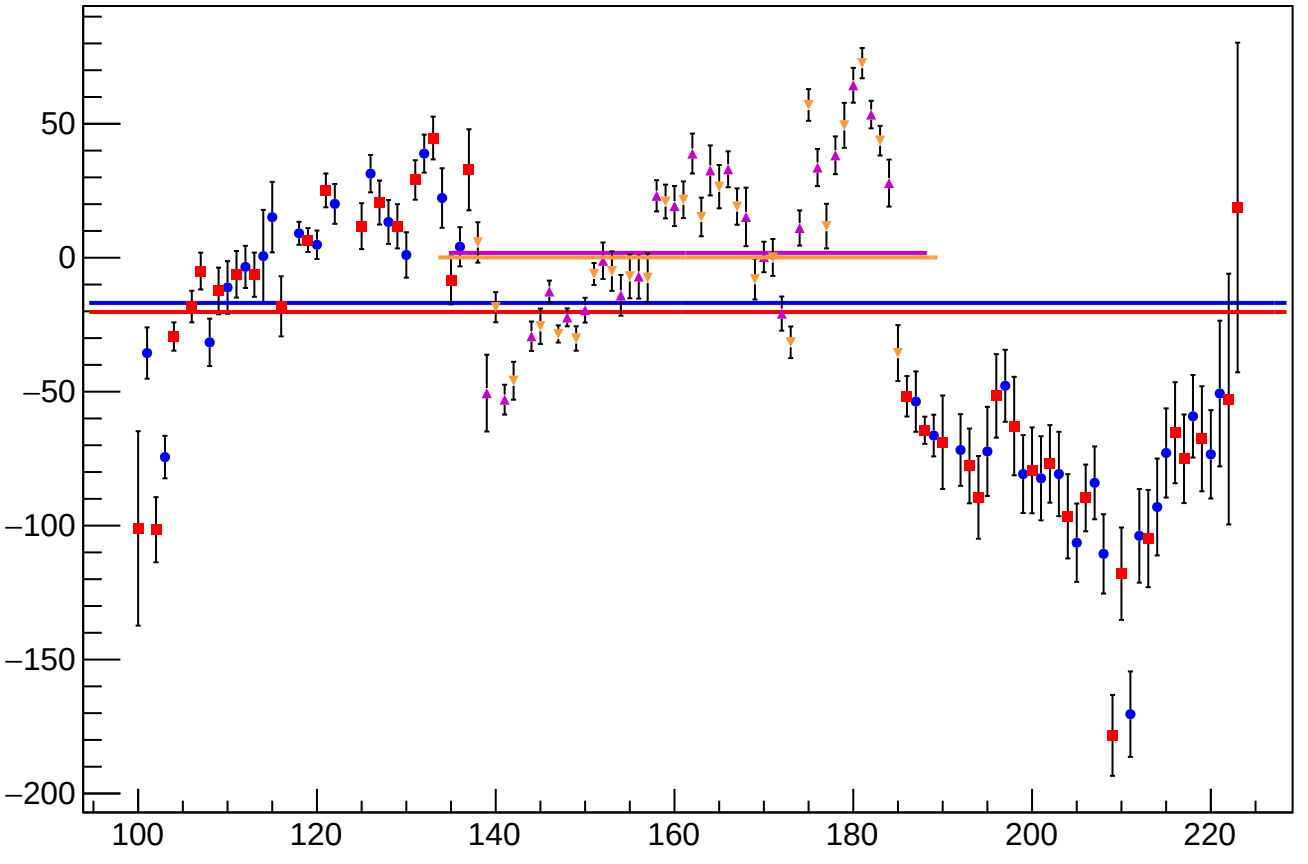
Right Out: 359.653+/-1.334 χ^2/NDF: 9257.3/36

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 362.144+/-1.092 χ^2/NDF: 7228.6/57

All: 361.986+/-0.756 χ^2/NDF: 19232.4/117

- sign 361.841+/-1.048 χ^2/NDF: 12003.8/59



Right In: -16.862+/-1.646 χ^2/NDF: 702.6/33

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

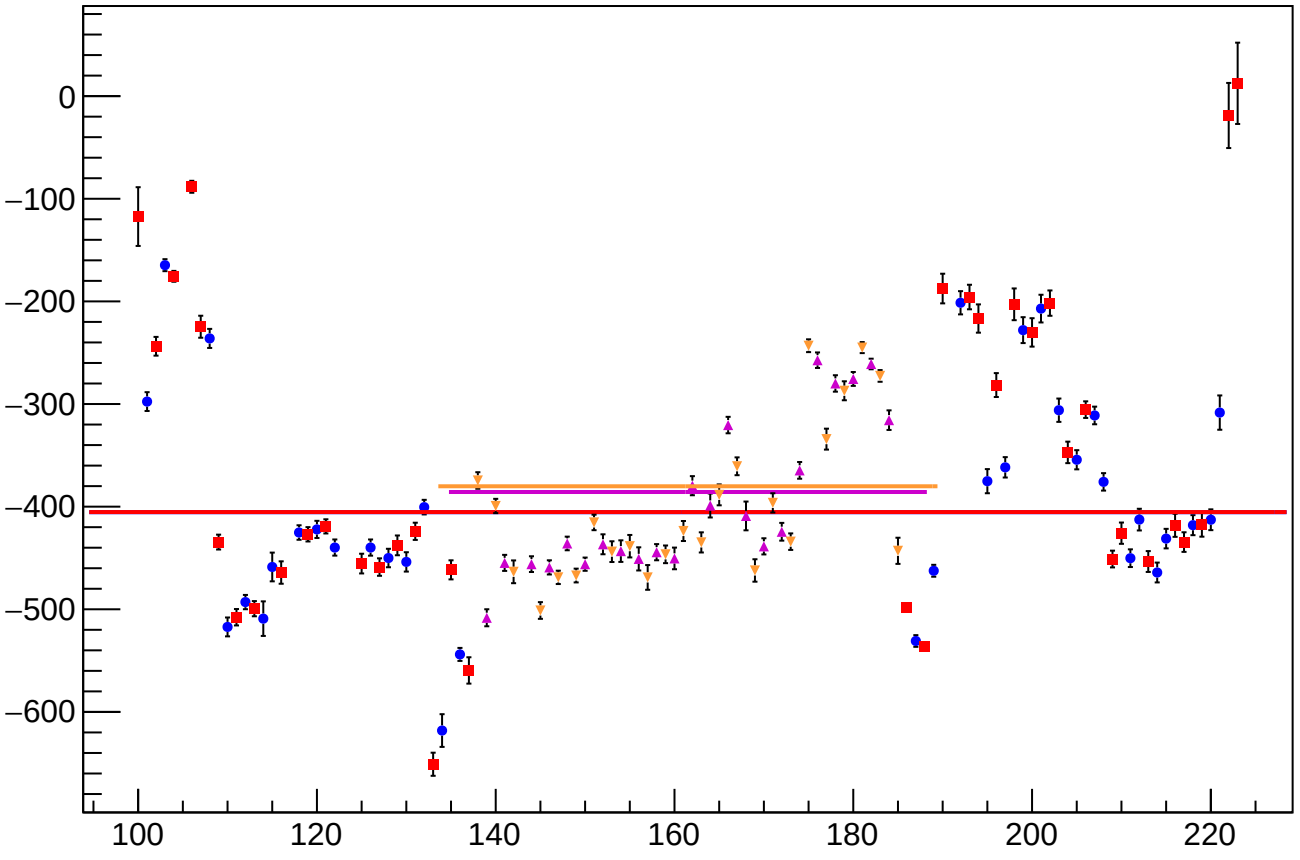
Right Out: -20.253+/-1.529 χ^2/NDF: 748.5/36

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -6.075+/-0.994 χ^2/NDF: 1408.1/57

All: -6.631+/-0.696 χ^2/NDF: 2857.7/117

\- sign -7.167+/-0.976 χ^2/NDF: 1449.0/59



Right In: -405.416+/-1.500 χ^2/NDF: 4974.8/33

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -405.267+/-1.348 χ^2/NDF: 10986.1/36

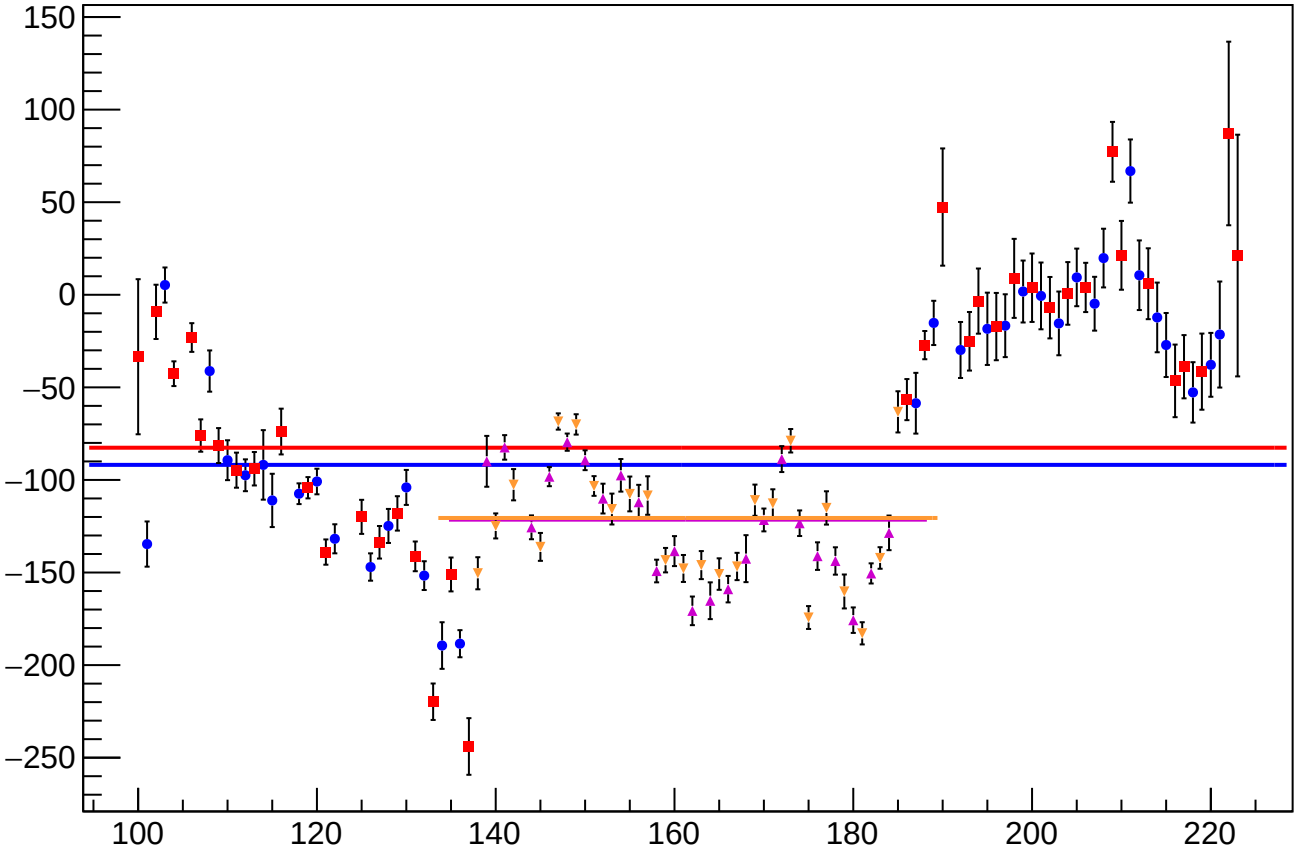
Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -394.131+/-1.116 χ^2/NDF: 7720.2/57

All: -395.967+/-0.765 χ^2/NDF: 21155.1/117

- sign -397.594+/-1.051 χ^2/NDF: 13429.8/59

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -91.861+/-1.916 χ^2/NDF: 1009.4/33

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

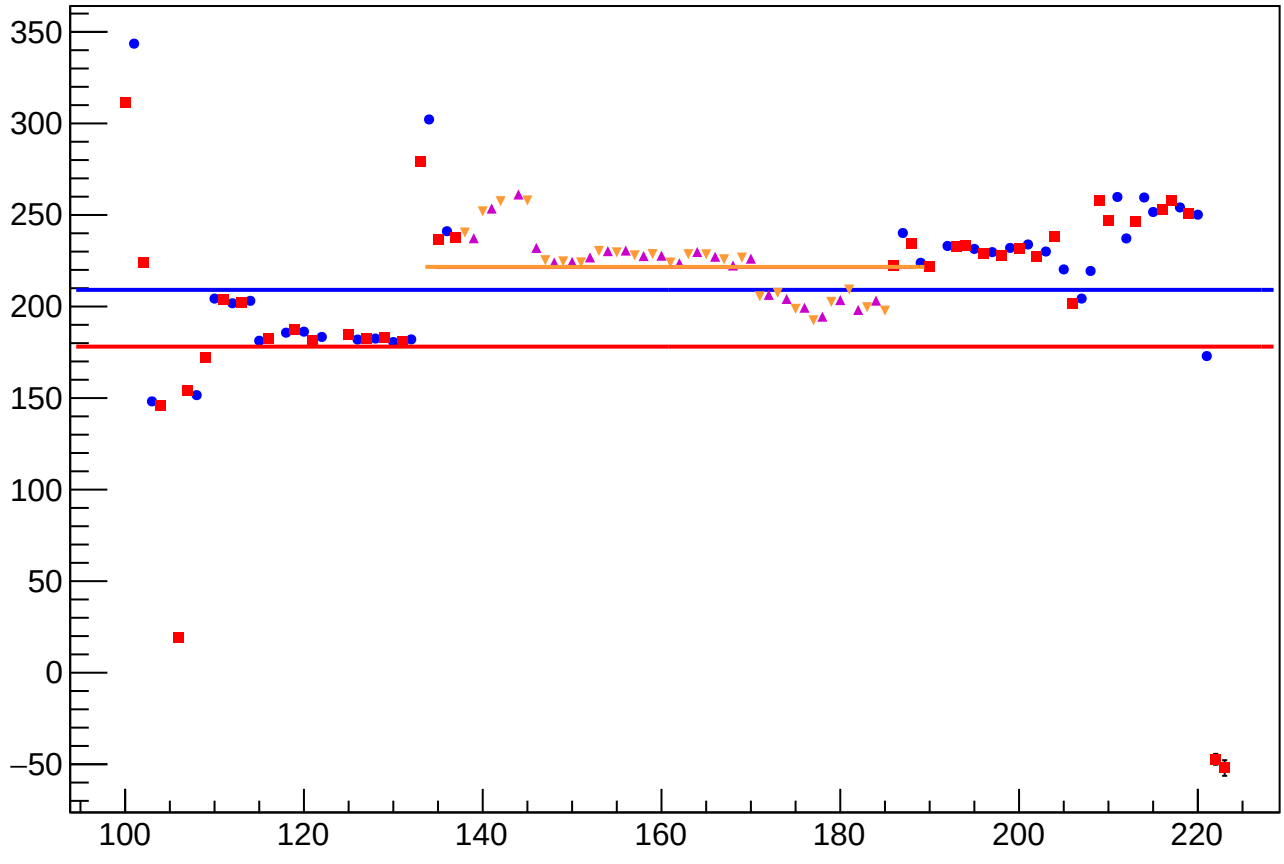
Right Out: -82.597+/-1.821 χ^2/NDF: 1115.4/36

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

\+ sign -110.230+/-1.149 χ^2/NDF: 1764.4/57

All: -108.278+/-0.807 χ^2/NDF: 3596.9/117

\- sign -106.375+/-1.134 χ^2/NDF: 1826.8/59



Right In: 209.098+/-0.098 χ^2/NDF: 216525.2/33

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

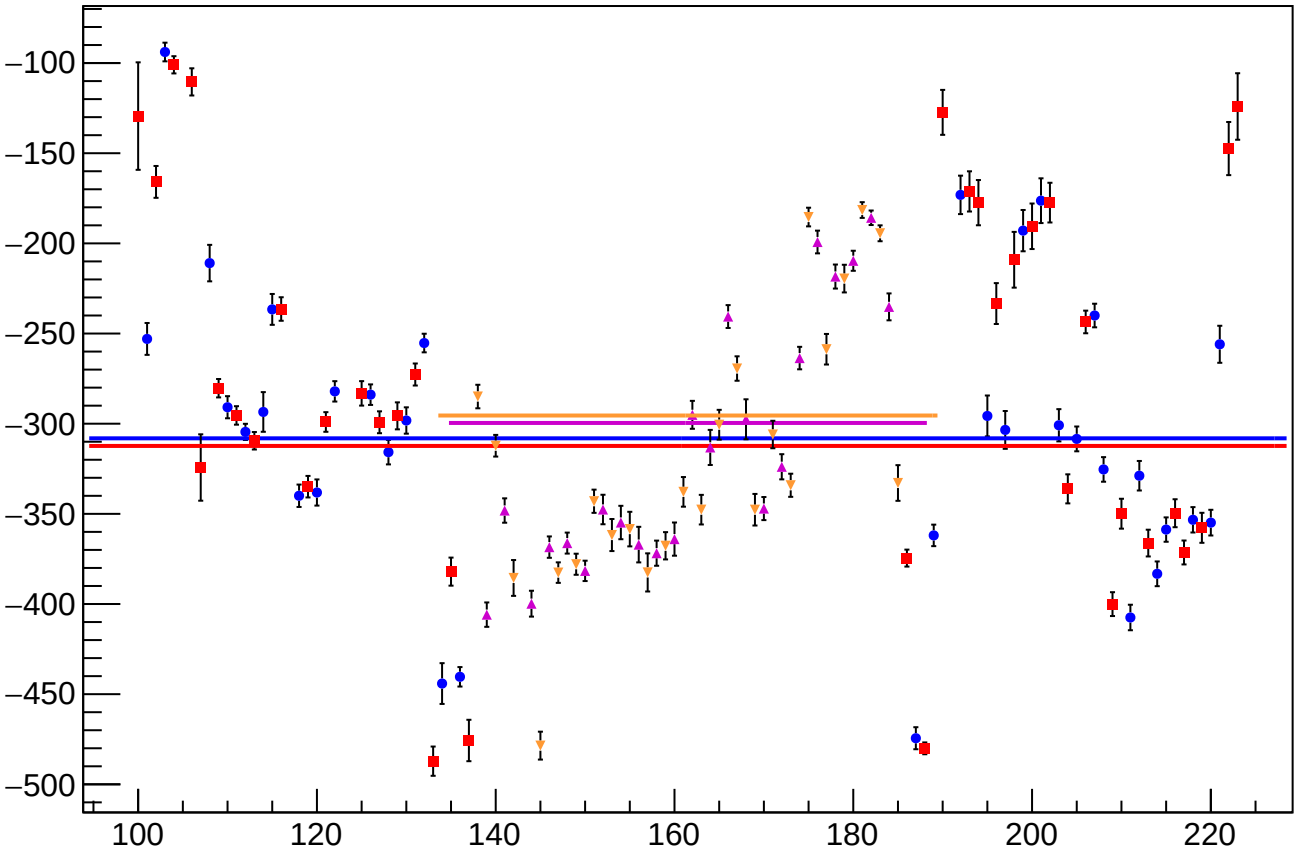
Right Out: 178.100+/-0.089 χ^2/NDF: 697873.8/36

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.663+/-0.055 χ^2/NDF: 295001.2/57

All: 211.725+/-0.038 χ^2/NDF: 1230111.6/117

- sign 206.181+/-0.053 χ^2/NDF: 912633.1/59



Right In: -308.112+/-1.207 χ^2/NDF: 4665.0/33

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

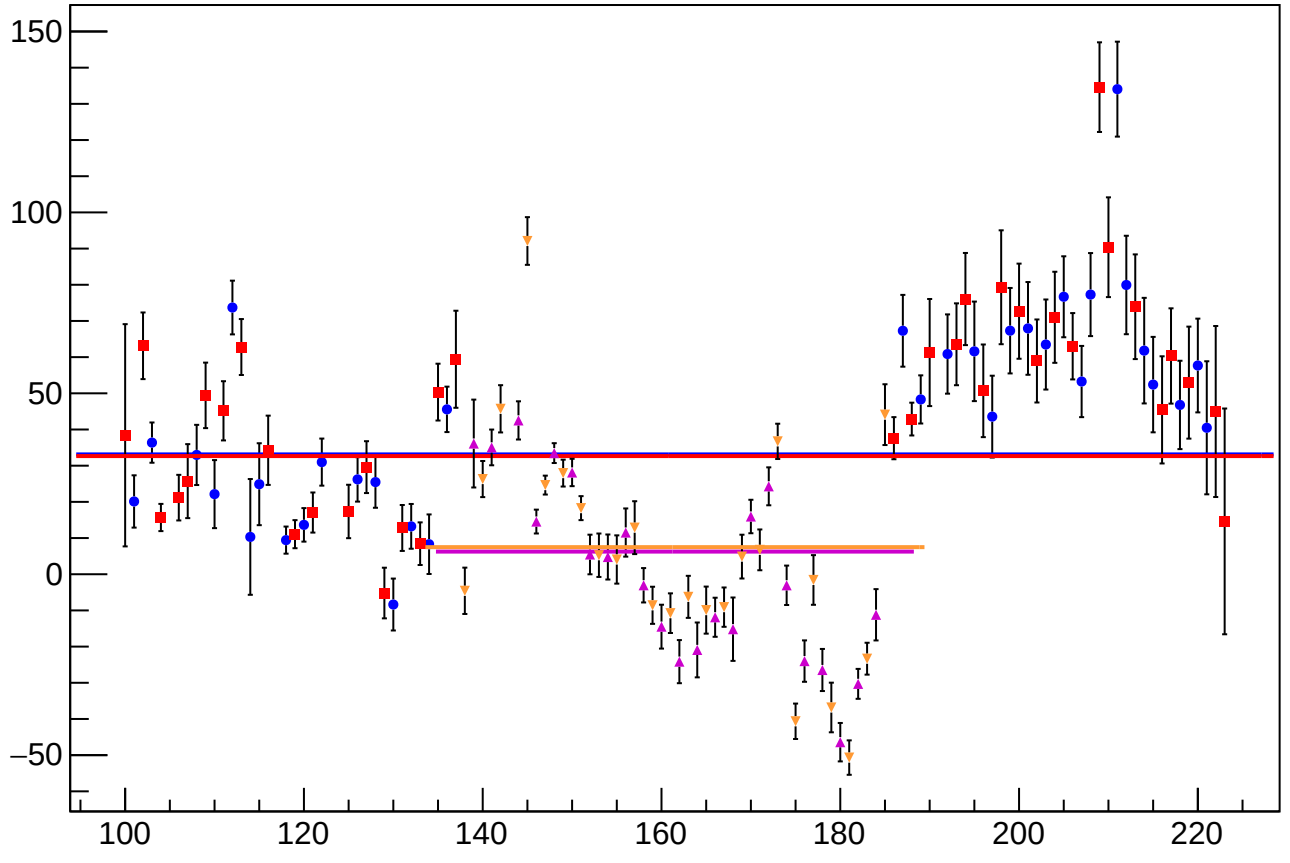
Right Out: -312.333+/-1.148 χ^2/NDF: 8372.9/36

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -302.685+/-0.912 χ^2/NDF: 8058.3/57

All: -305.003+/-0.636 χ^2/NDF: 19465.2/117

- sign -307.194+/-0.887 χ^2/NDF: 11394.3/59



Right In: 33.115+/-1.390 χ^2/NDF: 321.0/33

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

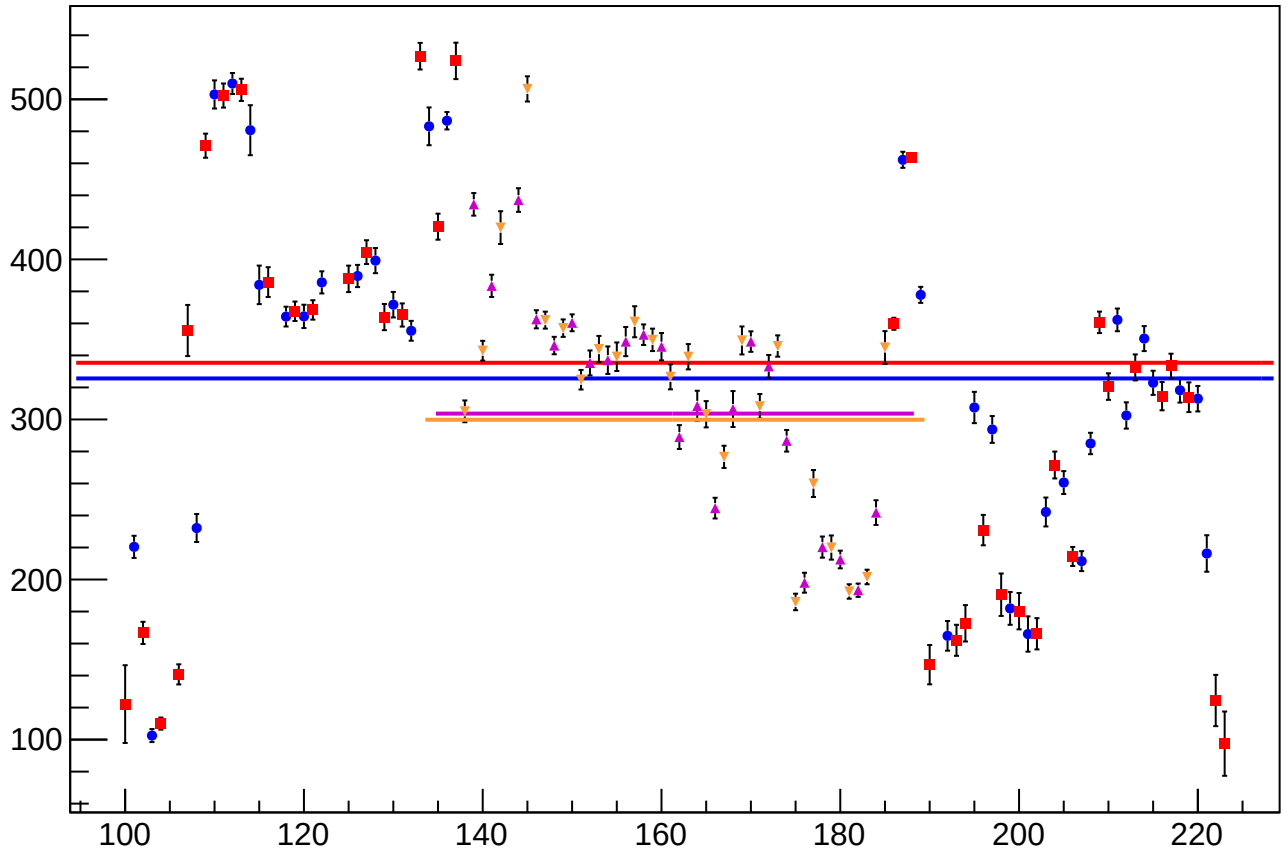
Right Out: 32.654+/-1.315 χ^2/NDF: 339.6/36

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 16.567+/-0.827 χ^2/NDF: 1279.0/57

All: 16.520+/-0.582 χ^2/NDF: 2425.0/117

\- sign 16.475+/-0.818 χ^2/NDF: 1146.0/59



Right In: 325.615+/-1.240 χ^2/NDF: 8355.5/33

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 335.409+/-1.143 χ^2/NDF: 12487.6/36

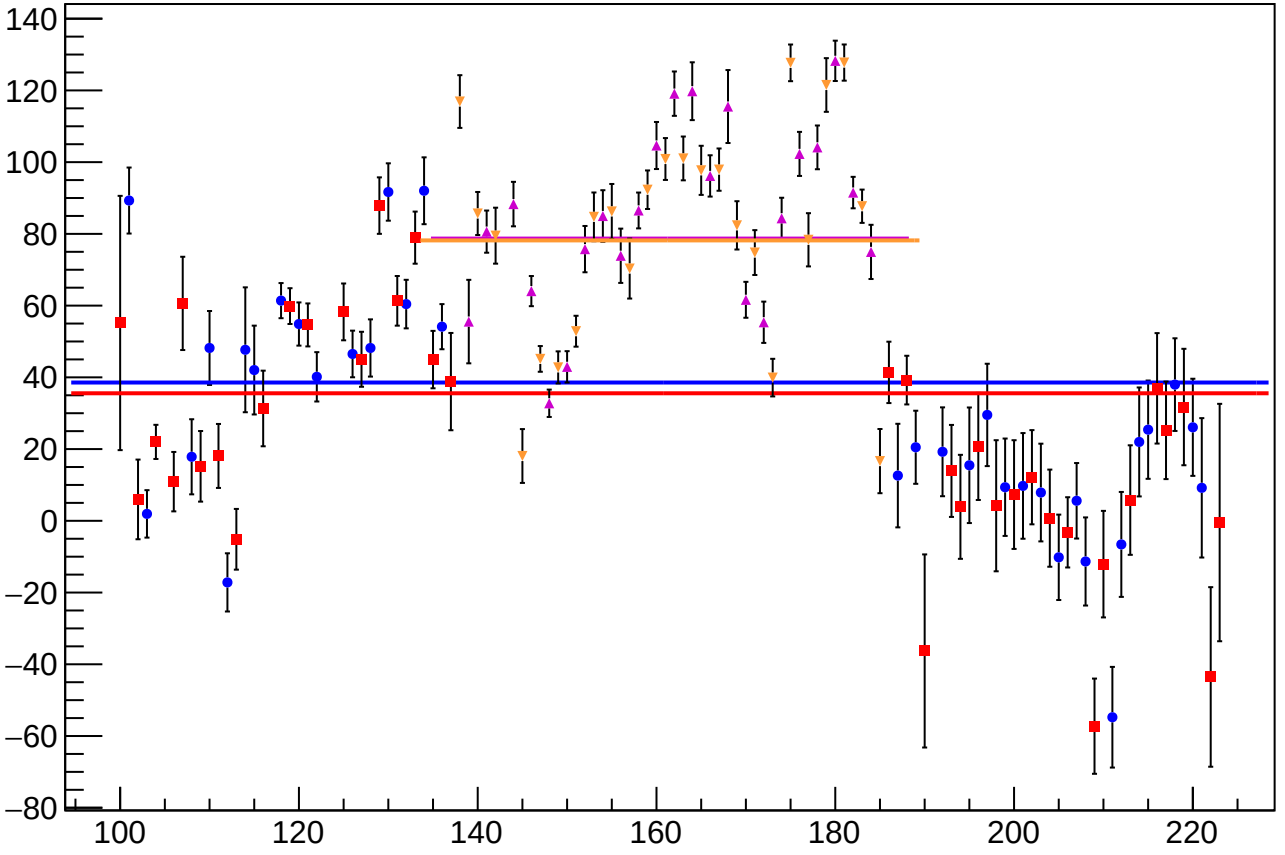
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 314.099+/-0.923 χ^2/NDF: 11624.7/57

All: 318.505+/-0.637 χ^2/NDF: 27341.8/117

- sign 322.519+/-0.881 χ^2/NDF: 15673.6/59

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 38.558+/-1.615 χ^2/NDF: 365.9/33

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

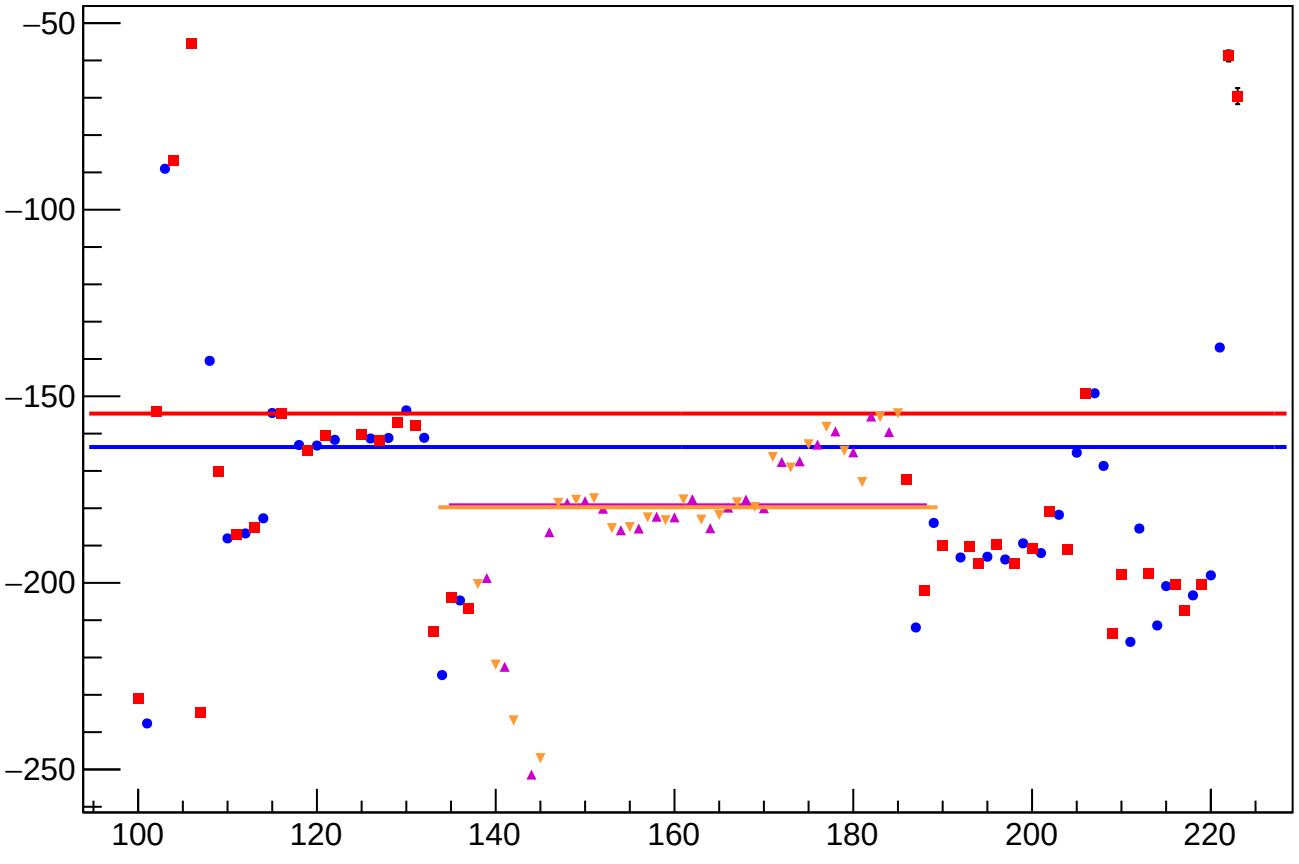
Right Out: 35.558+/-1.564 χ^2/NDF: 321.4/36

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 64.317+/-0.955 χ^2/NDF: 1420.7/57

All: 63.550+/-0.673 χ^2/NDF: 2712.2/117

- sign 62.791+/-0.949 χ^2/NDF: 1290.3/59



Right In: -163.596+/-0.079 χ^2/NDF: 324487.3/33

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

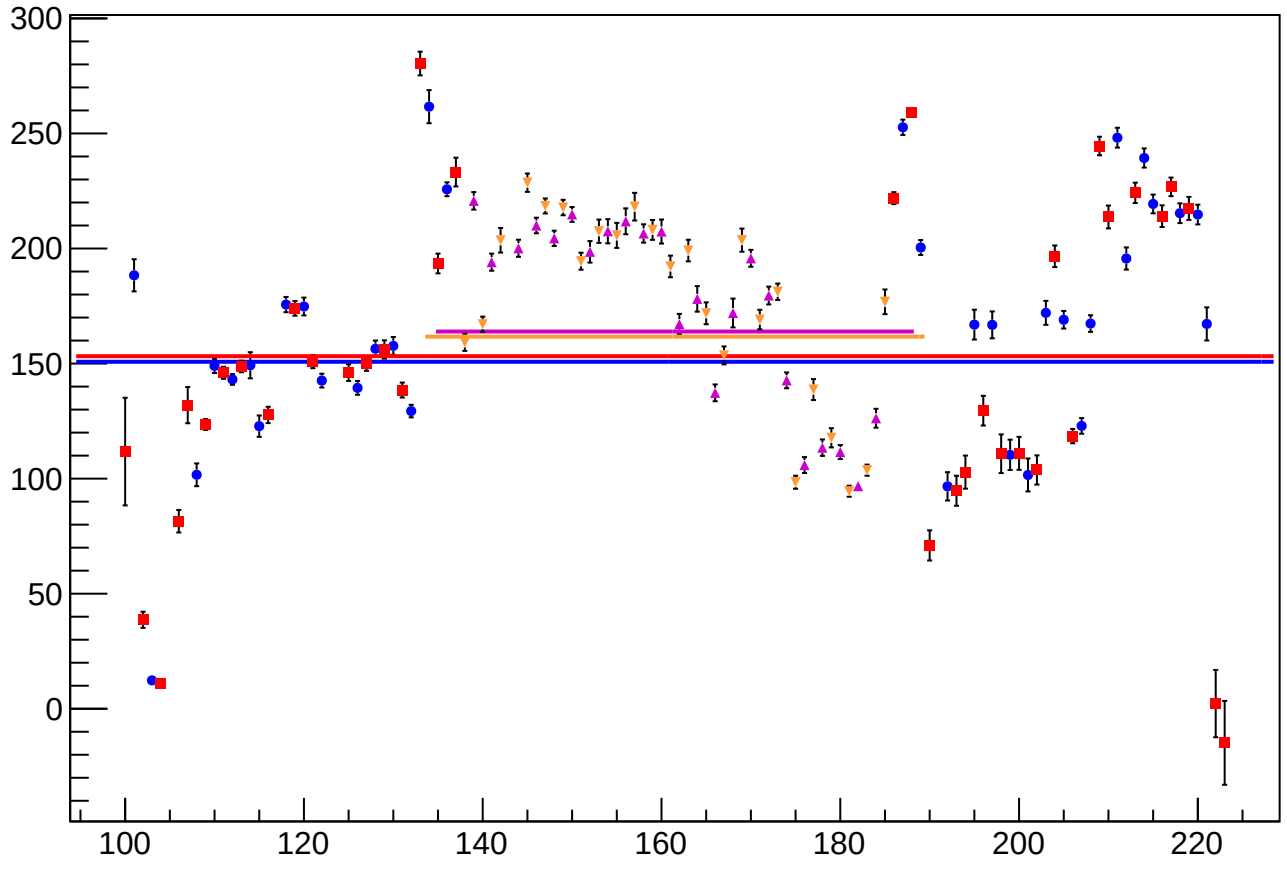
Right Out: -154.627+/-0.076 χ^2/NDF: 450632.0/36

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.434+/-0.045 χ^2/NDF: 484992.2/57

All: -172.645+/-0.032 χ^2/NDF: 1120992.8/11

- sign -170.912+/-0.044 χ^2/NDF: 632898.3/59



Right In: 150.784+/-0.640 χ^2/NDF: 10277.5/33

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

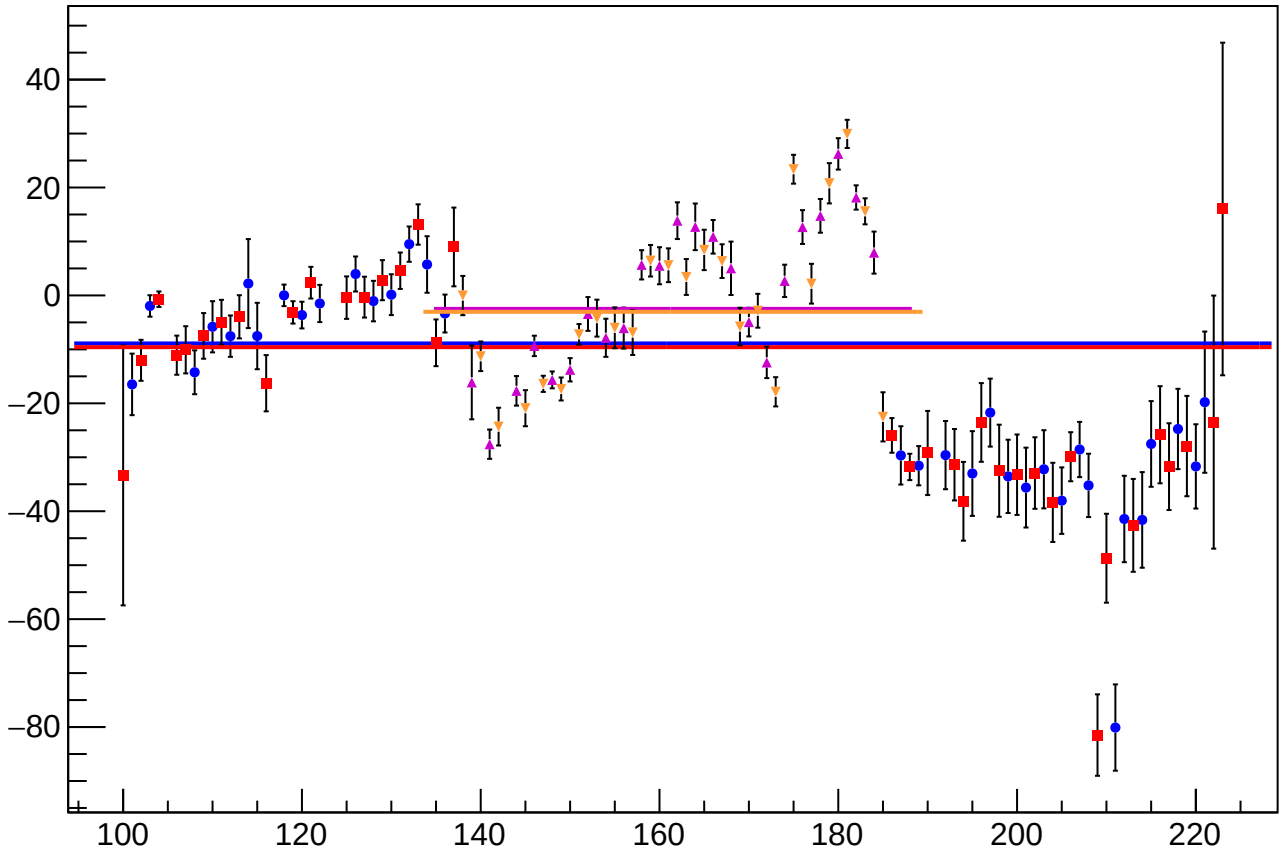
Right Out: 153.207+/-0.604 χ^2/NDF: 15231.1/36

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 155.208+/-0.494 χ^2/NDF: 13982.7/57

All: 156.253+/-0.343 χ^2/NDF: 32676.2/117

- sign 157.229+/-0.477 χ^2/NDF: 18684.8/59



Right In: -8.902+/-0.731 χ^2/NDF: 415.1/33

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

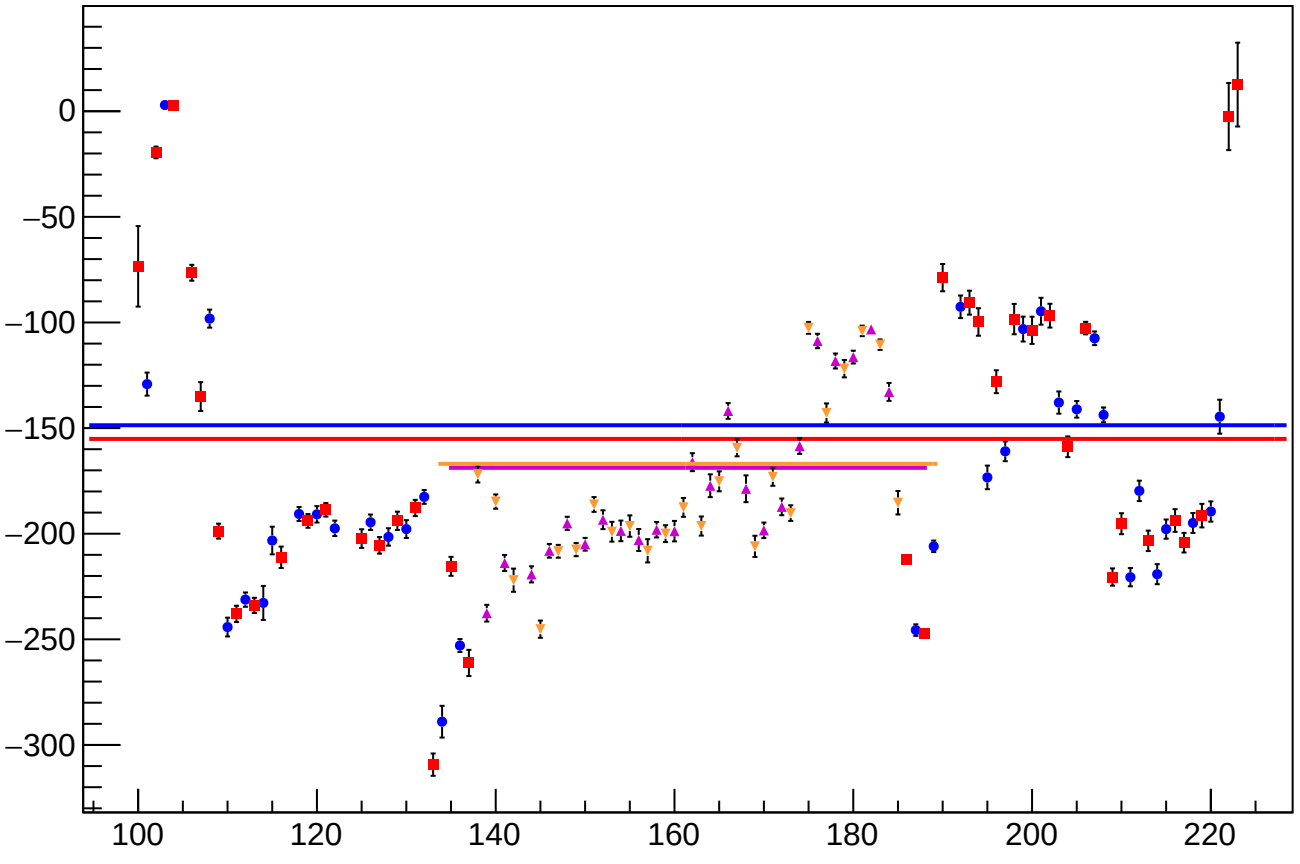
Right Out: -9.592+/-0.669 χ^2/NDF: 508.4/36

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -5.295+/-0.454 χ^2/NDF: 1109.1/57

All: -5.442+/-0.316 χ^2/NDF: 2244.3/117

\- sign -5.581+/-0.441 χ^2/NDF: 1135.0/59



Right In: -148.649+/-0.645 χ^2/NDF: 18166.4/33

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

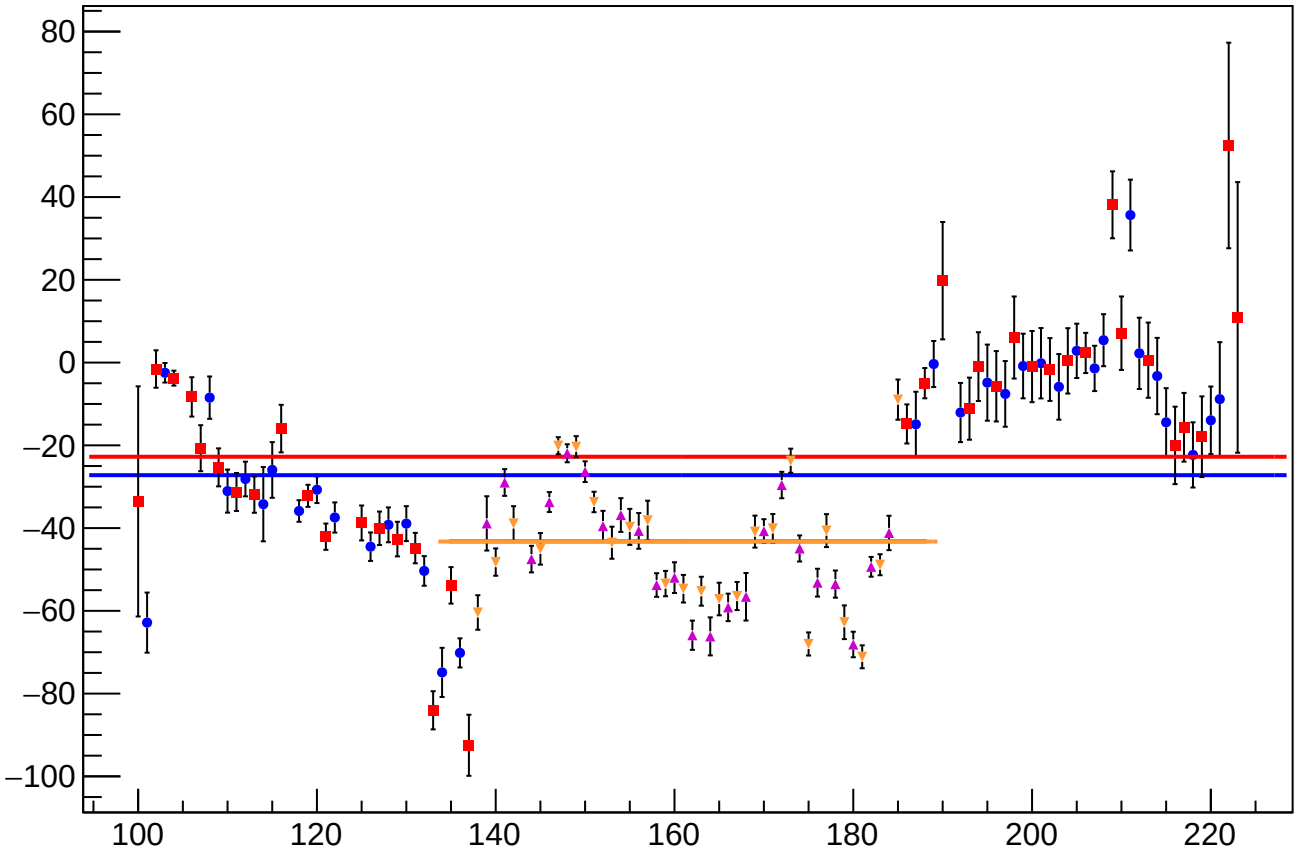
Right Out: -155.122+/-0.592 χ^2/NDF: 24863.9/36

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -156.177+/-0.495 χ^2/NDF: 21592.6/57

All: -158.286+/-0.341 χ^2/NDF: 49748.4/117

- sign -160.188+/-0.470 χ^2/NDF: 28121.2/59



Right In: -27.212+/-0.851 χ^2/NDF: 685.7/33

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

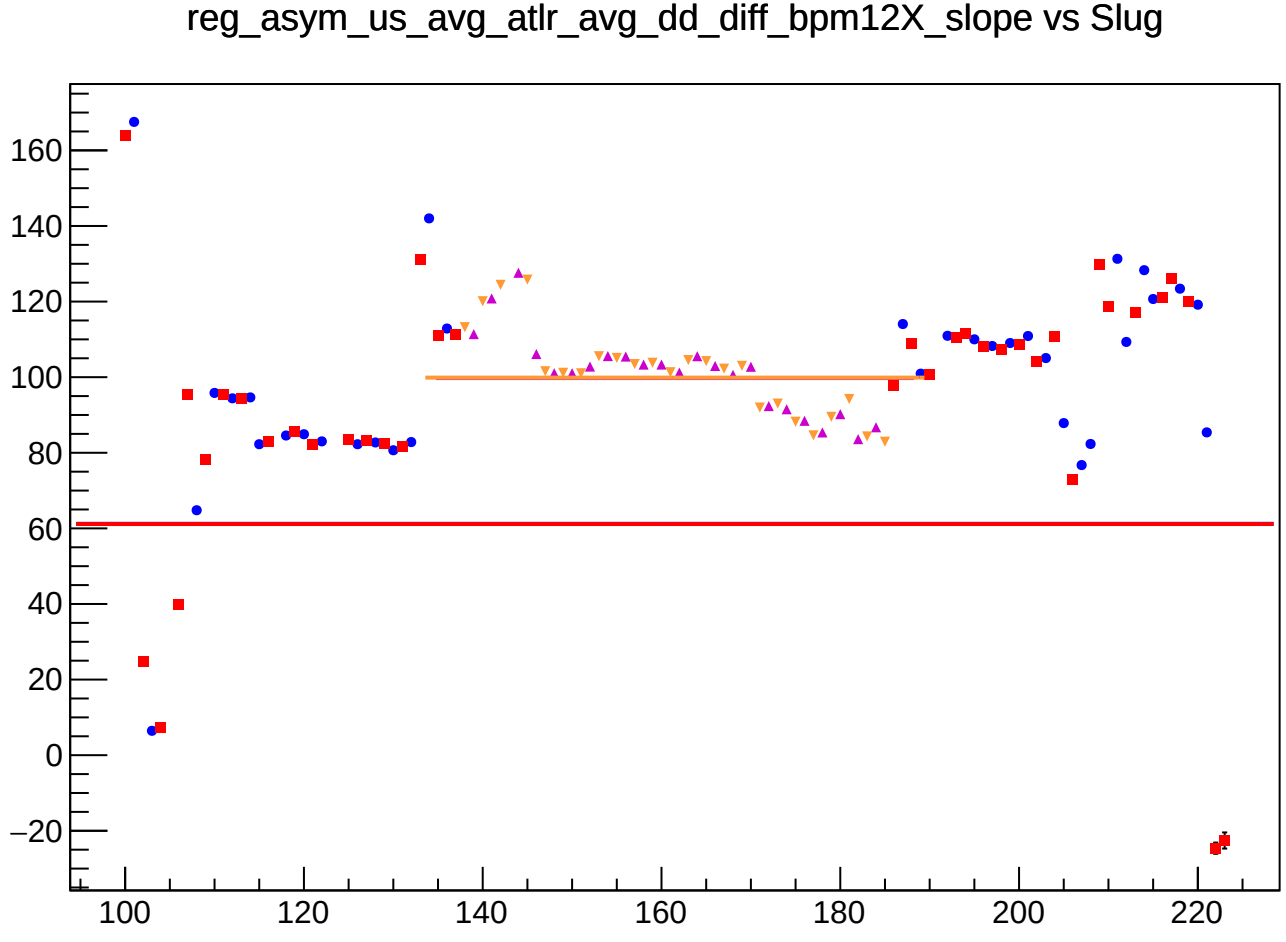
Right Out: -22.754+/-0.799 χ^2/NDF: 800.4/36

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

\+ sign -37.180+/-0.523 χ^2/NDF: 1516.7/57

All: -35.950+/-0.367 χ^2/NDF: 3118.3/117

\- sign -34.767+/-0.513 χ^2/NDF: 1590.8/59



Right In: 61.205+/-0.038 χ^2/NDF: 1622833.3/33

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

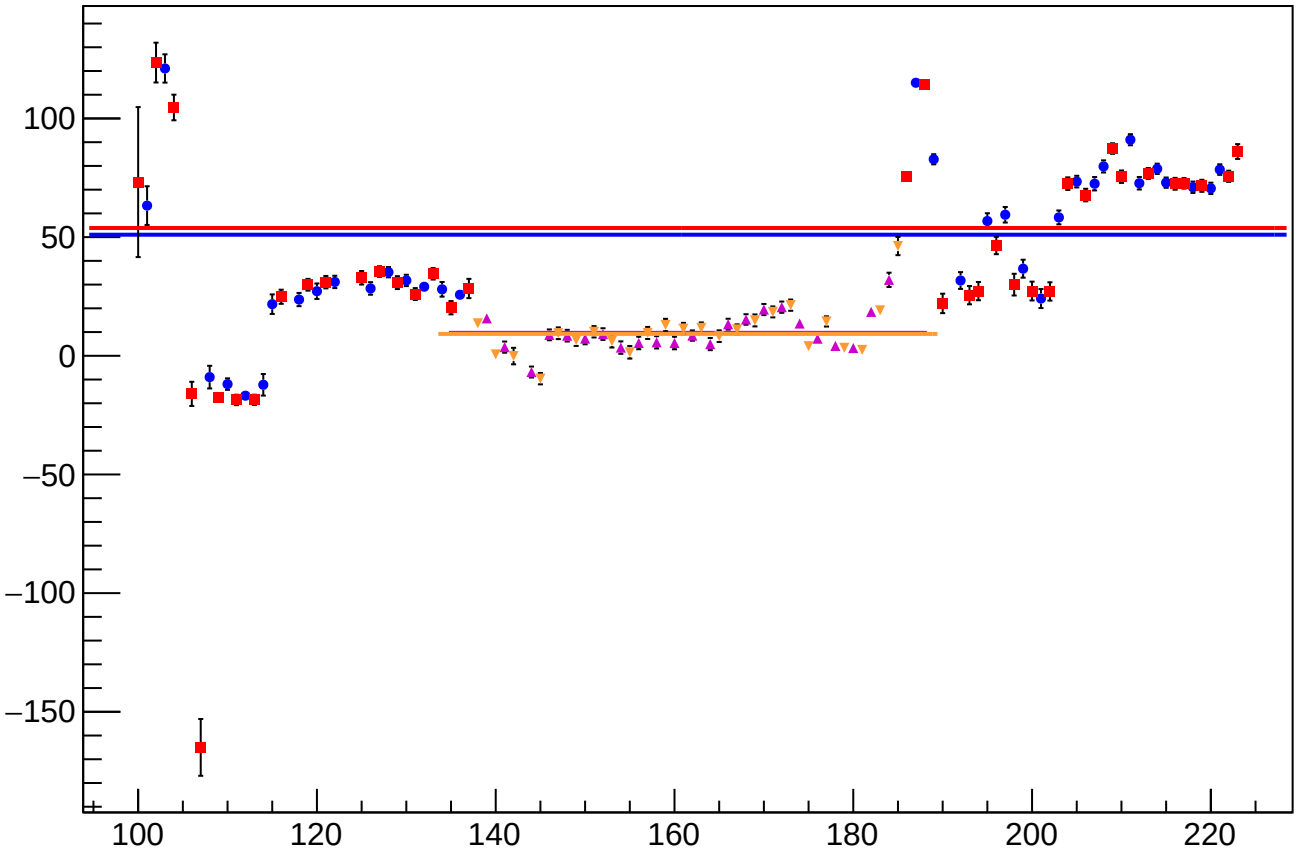
Right Out: 61.151+/-0.038 χ^2/NDF: 1407066.4/36

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 84.536+/-0.024 χ^2/NDF: 2373370.4/57

All: 84.524+/-0.017 χ^2/NDF: 4525137.5/117

- sign 84.512+/-0.024 χ^2/NDF: 2151766.6/59



Right In: 51.021+/-0.454 χ^2/NDF: 5621.9/33

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

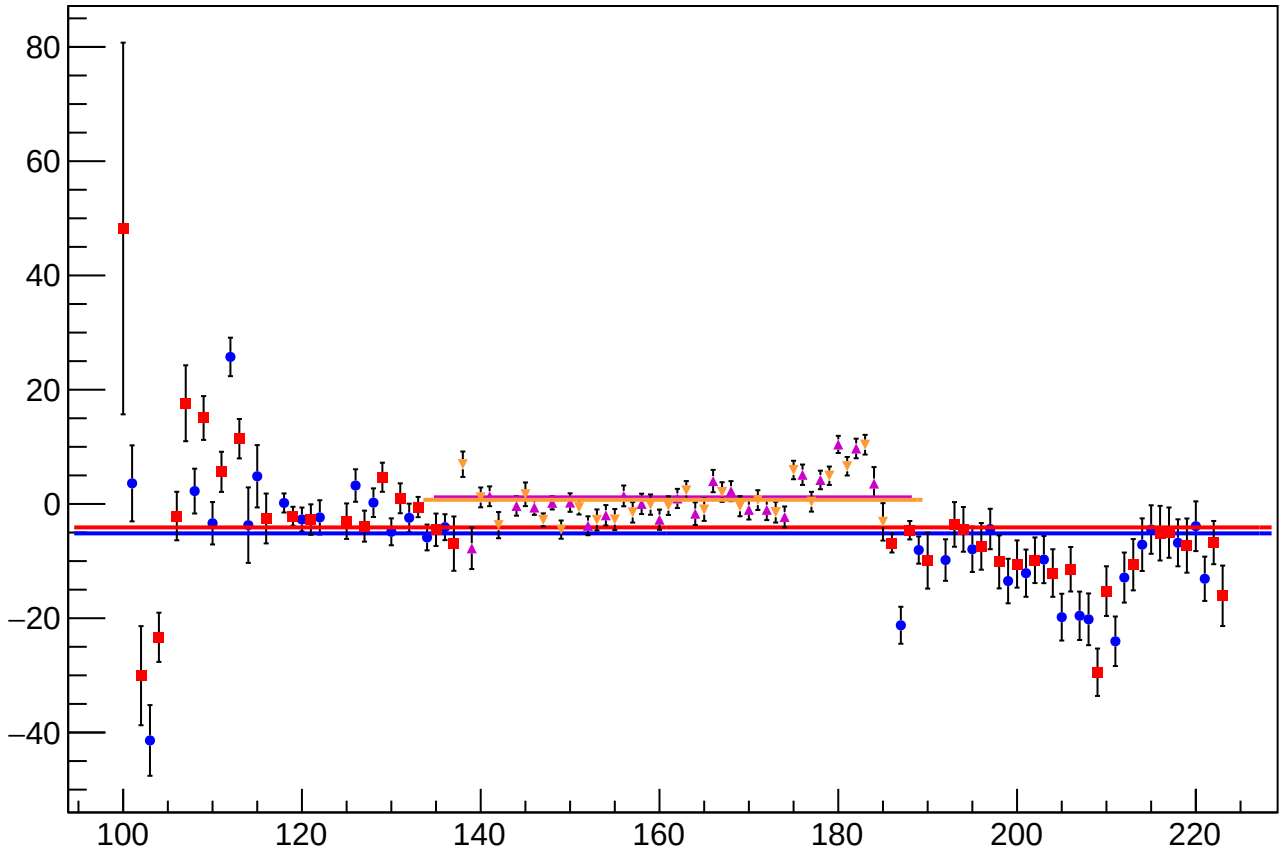
Right Out: 53.852+/-0.425 χ^2/NDF: 9002.4/36

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 30.247+/-0.322 χ^2/NDF: 10166.0/57

All: 31.978+/-0.224 χ^2/NDF: 24418.0/117

\- sign 33.615+/-0.313 χ^2/NDF: 14195.7/59



Right In: -5.148+/-0.553 χ^2/NDF: 253.8/33

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -4.104+/-0.523 χ^2/NDF: 187.9/36

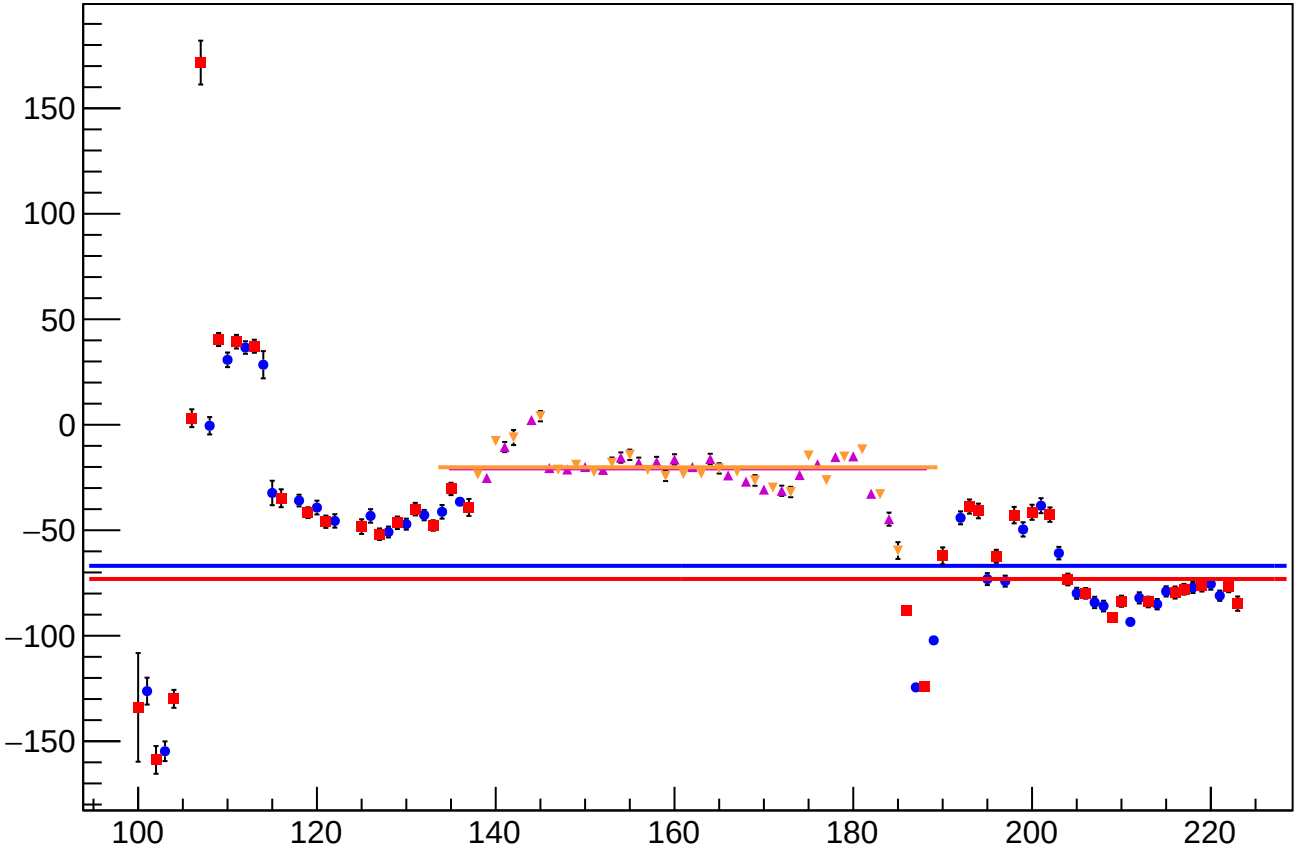
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.948+/-0.295 χ^2/NDF: 444.3/57

All: -0.733+/-0.209 χ^2/NDF: 812.7/117

\- sign -0.520+/-0.295 χ^2/NDF: 367.4/59

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -66.870+/-0.470 χ^2/NDF: 5969.2/33

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

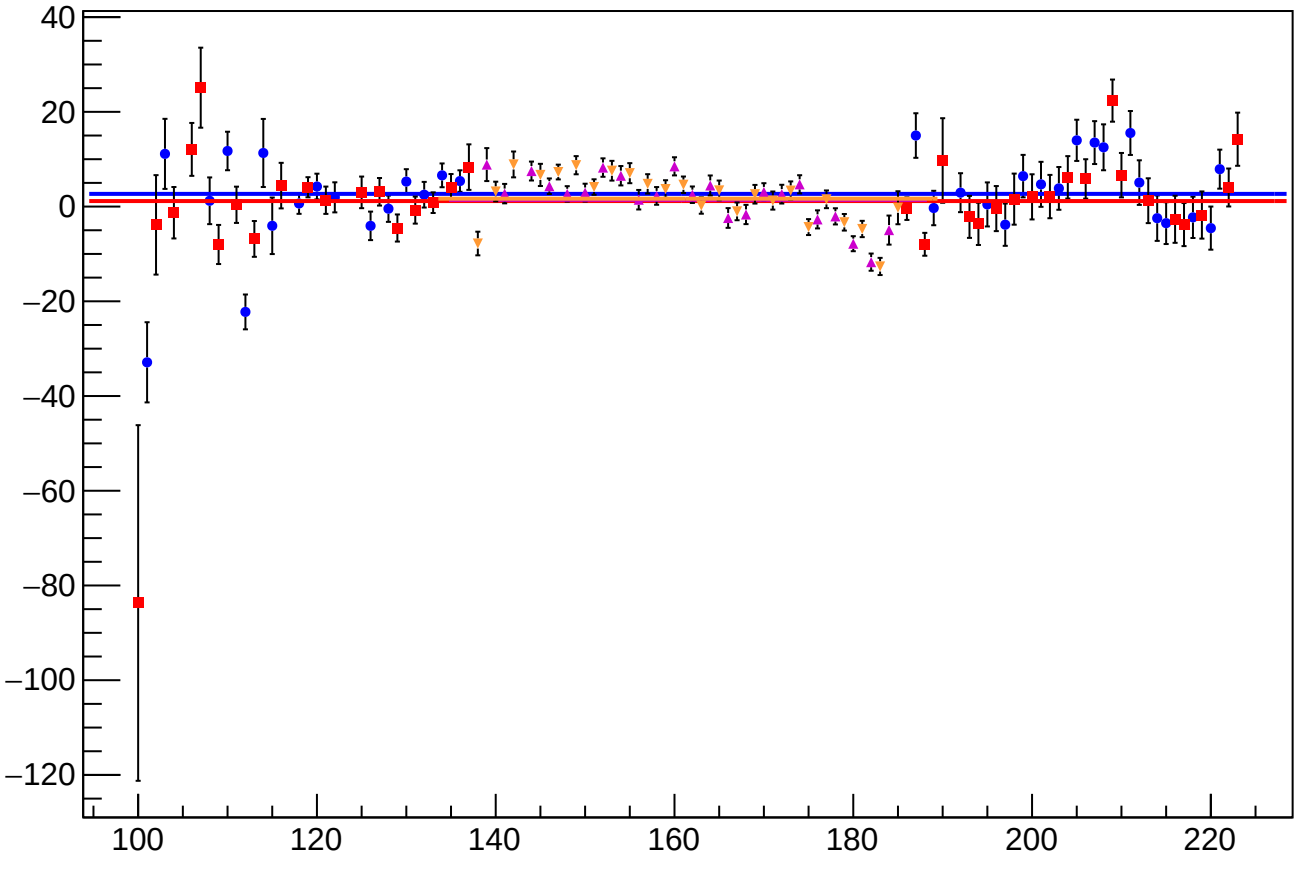
Right Out: -73.091+/-0.423 χ^2/NDF: 9808.1/36

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -42.607+/-0.326 χ^2/NDF: 11514.7/57

All: -45.945+/-0.225 χ^2/NDF: 28912.3/117

\- sign -48.971+/-0.310 χ^2/NDF: 17197.8/59



Right In: 2.681+/-0.634 χ^2/NDF: 128.9/33

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

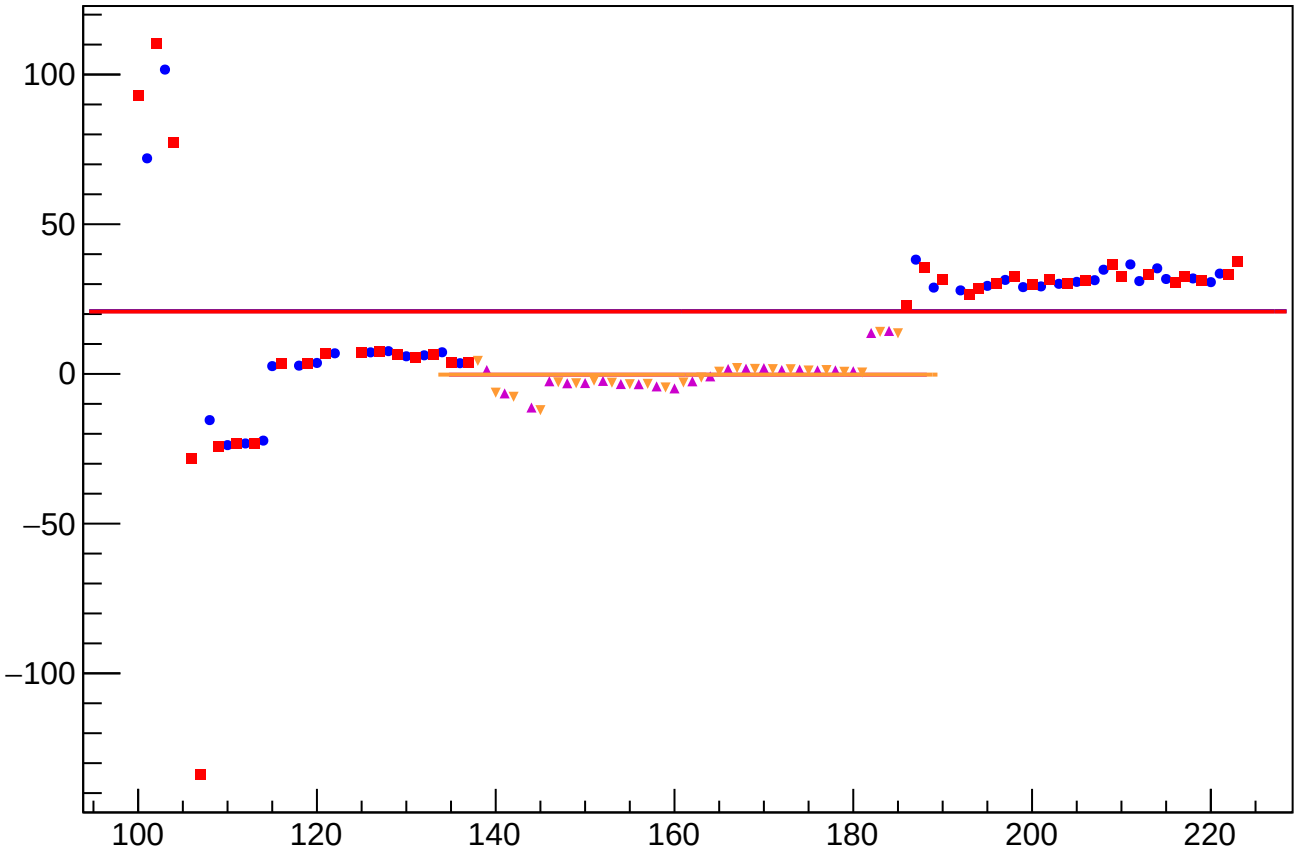
Right Out: 1.164+/-0.620 χ^2/NDF: 89.8/36

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.953+/-0.335 χ^2/NDF: 308.7/57

All: 1.653+/-0.238 χ^2/NDF: 563.1/117

\- sign 1.350+/-0.338 χ^2/NDF: 252.8/59



Right In: 20.965+/-0.032 χ^2/NDF: 440931.3/33

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

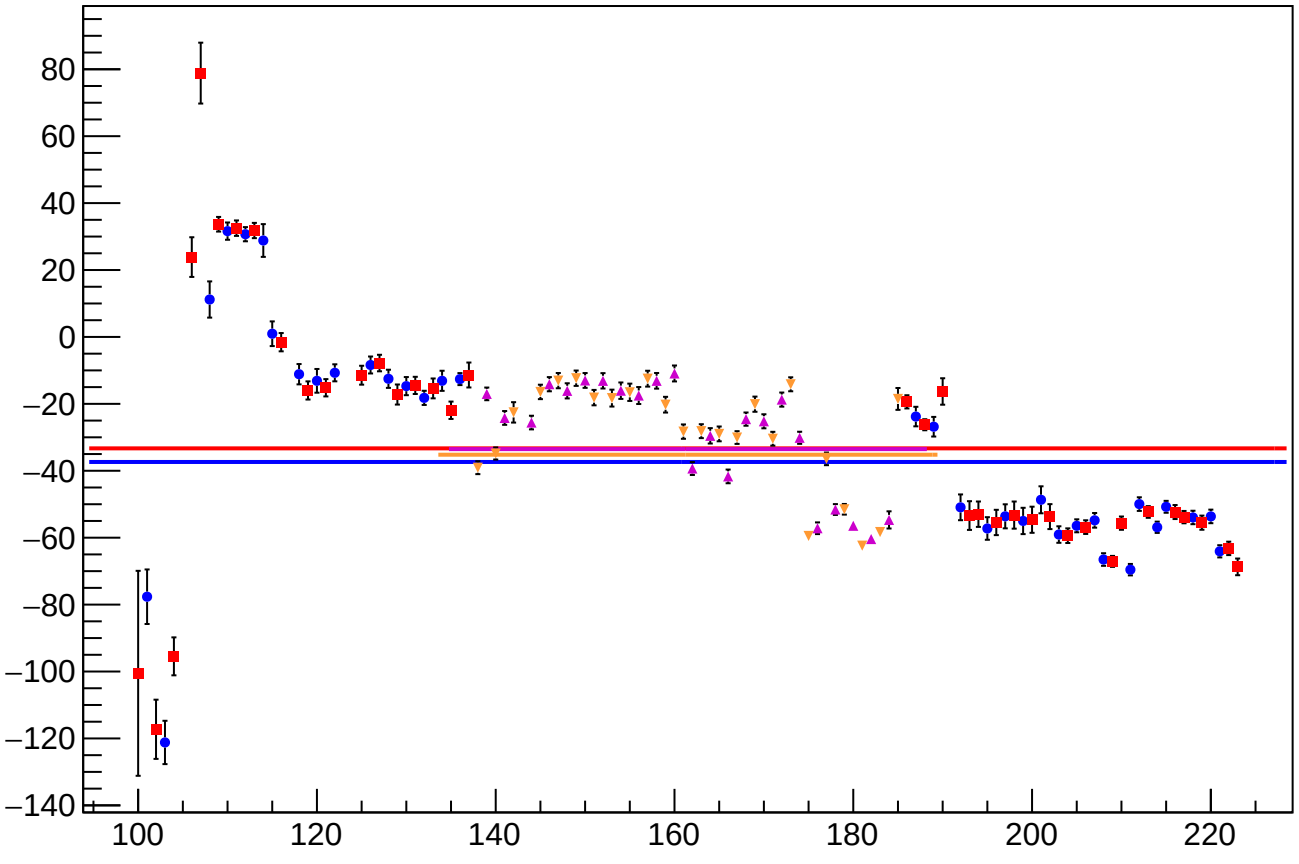
Right Out: 20.839+/-0.032 χ^2/NDF: 612068.0/36

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 4.741+/-0.015 χ^2/NDF: 860519.1/57

All: 4.727+/-0.011 χ^2/NDF: 1879650.8/117

- sign 4.713+/-0.016 χ^2/NDF: 1019130.1/59



Right In: -37.370+/-0.425 χ^2/NDF: 4699.1/33

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

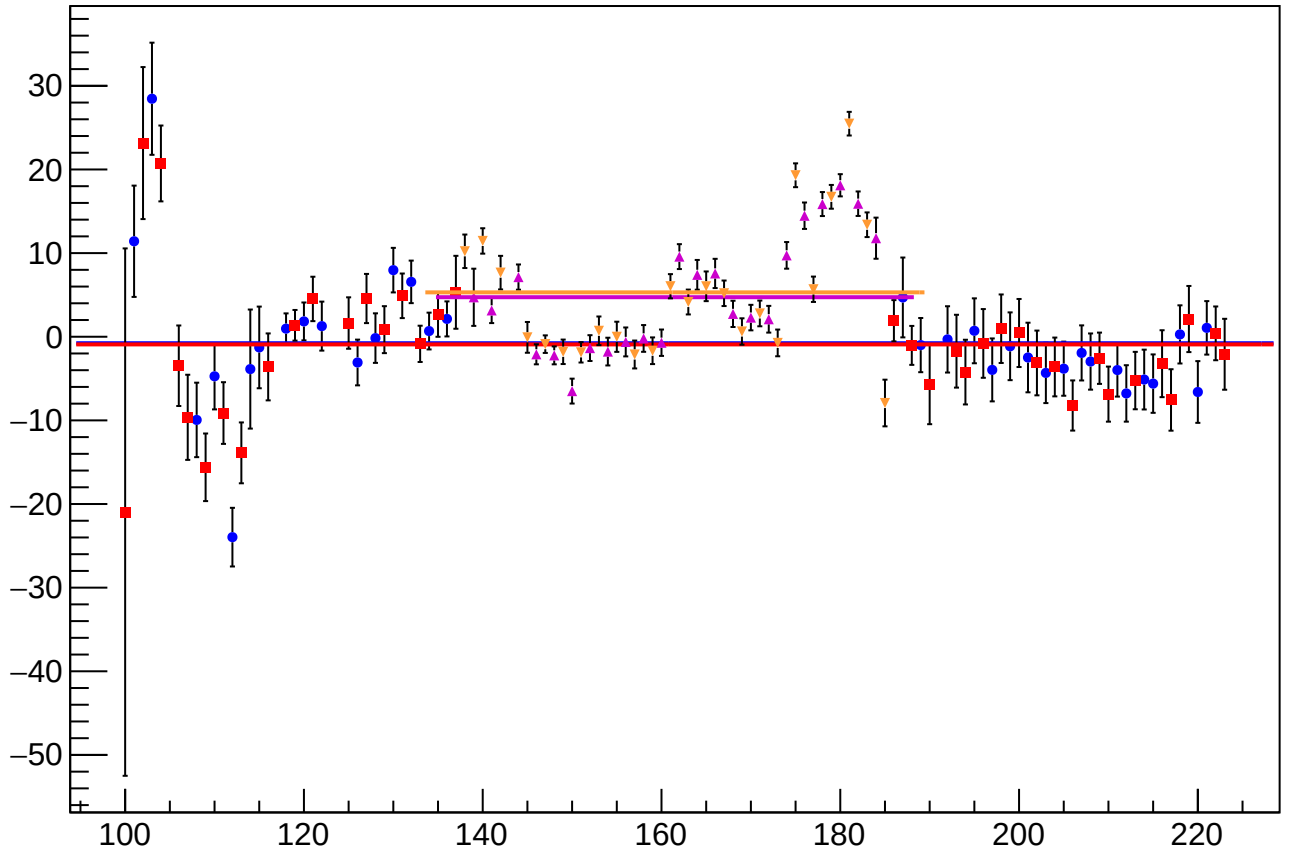
Right Out: -33.304+/-0.422 χ^2/NDF: 5526.7/36

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -36.241+/-0.294 χ^2/NDF: 6563.4/57

All: -34.834+/-0.209 χ^2/NDF: 13942.2/117

- sign -33.418+/-0.295 χ^2/NDF: 7333.0/59



Right In: -0.775+/-0.550 χ^2/NDF: 111.7/33

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

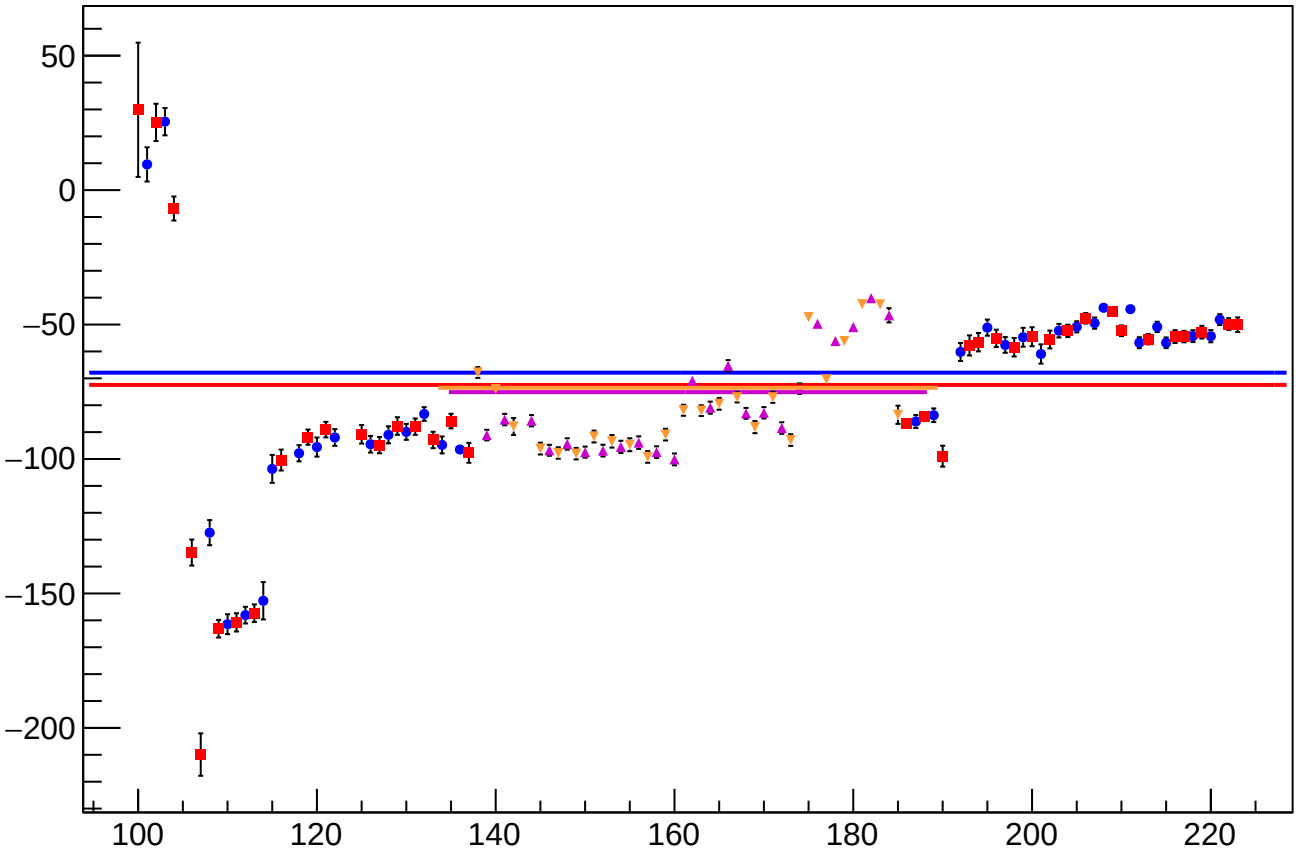
Right Out: -0.917+/-0.547 χ^2/NDF: 103.5/36

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 3.805+/-0.273 χ^2/NDF: 828.2/57

All: 3.546+/-0.195 χ^2/NDF: 1508.7/117

- sign 3.280+/-0.277 χ^2/NDF: 678.7/59



Right In: -67.886+/-0.448 χ^2/NDF: 4103.5/33

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -72.447+/-0.437 χ^2/NDF: 4800.5/36

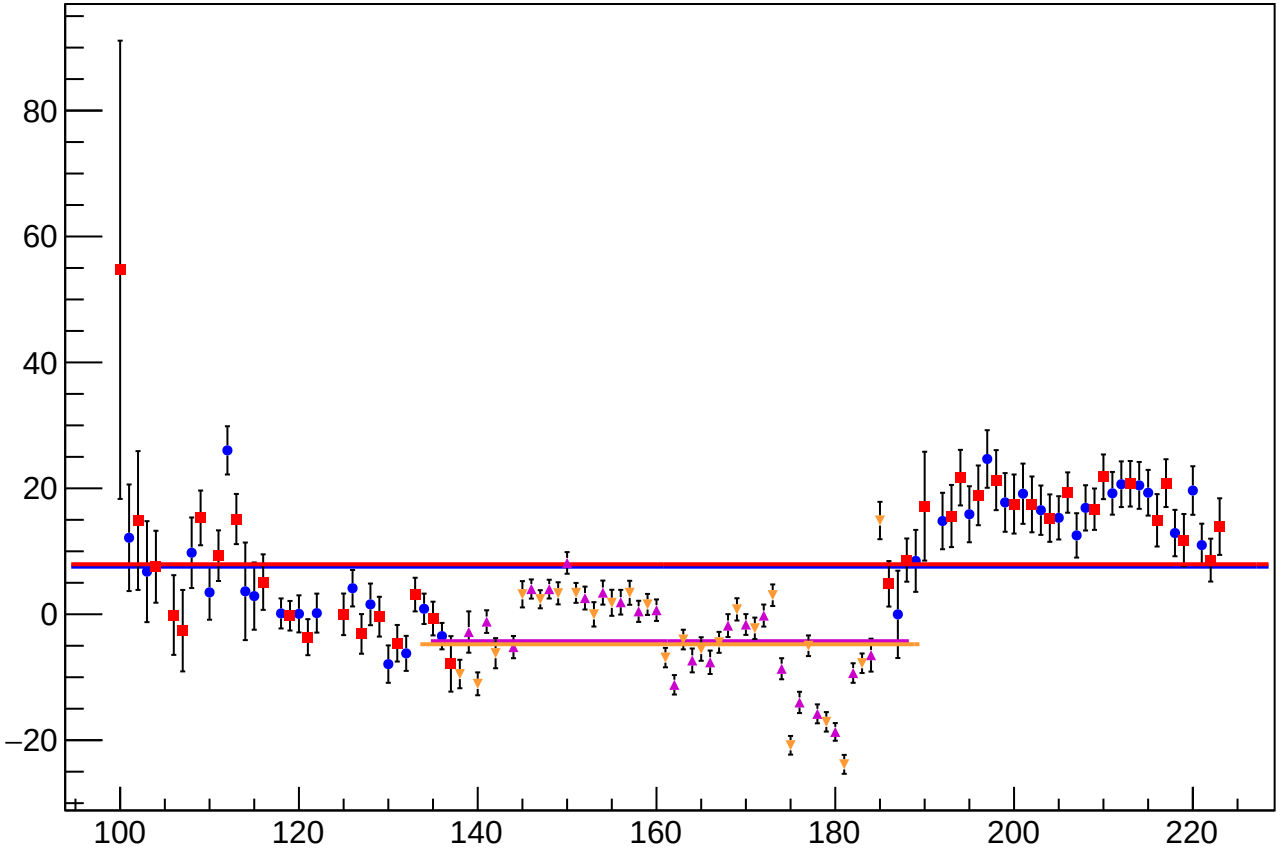
Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -70.976+/-0.301 χ^2/NDF: 6582.0/57

All: -72.433+/-0.212 χ^2/NDF: 13811.2/117

\- sign -73.876+/-0.299 χ^2/NDF: 7182.5/59

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 7.560+/-0.617 χ^2/NDF: 250.5/33

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

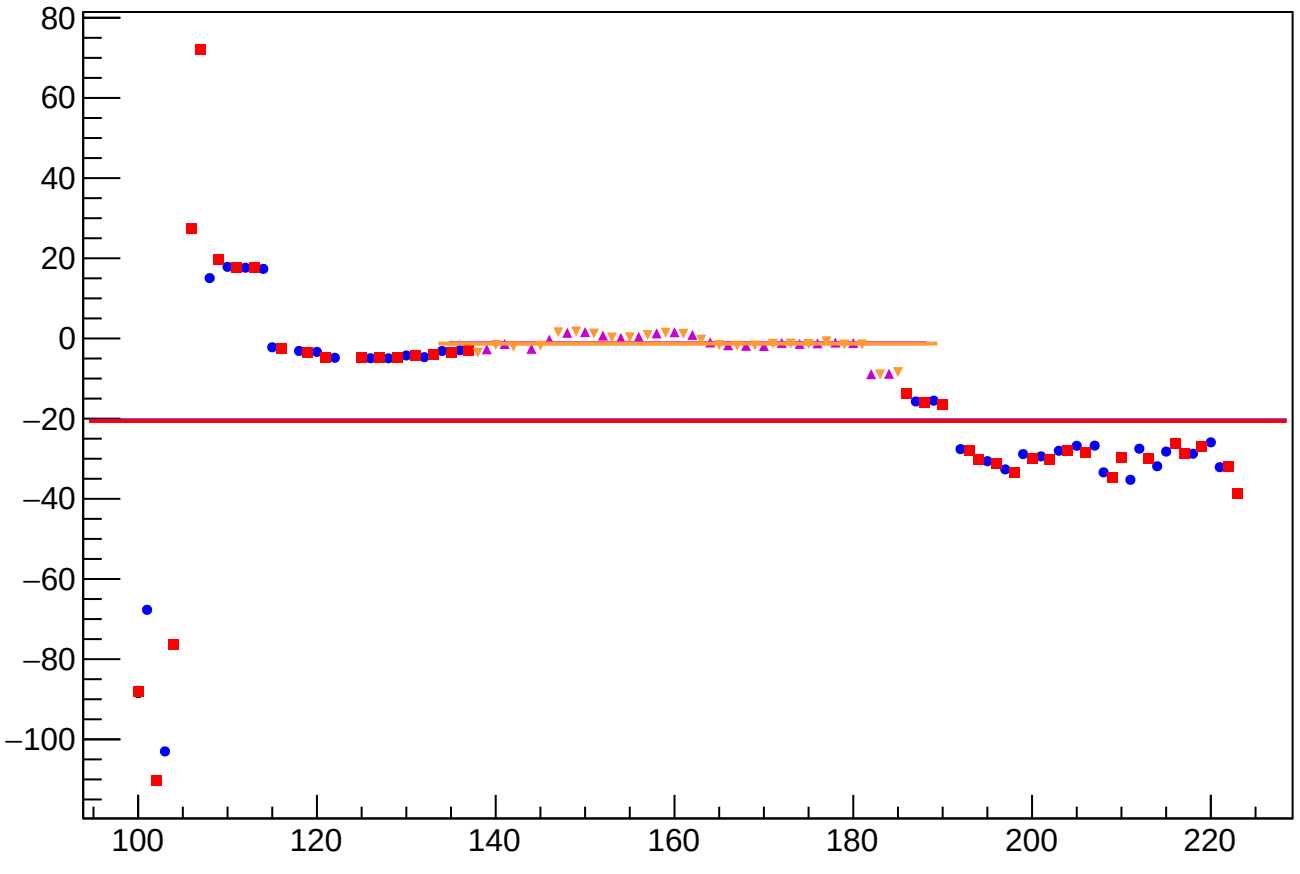
Right Out: 7.943+/-0.626 χ^2/NDF: 216.0/36

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -1.699+/-0.308 χ^2/NDF: 1127.2/57

All: -1.467+/-0.219 χ^2/NDF: 2054.7/117

- sign -1.228+/-0.313 χ^2/NDF: 926.3/59



Right In: -20.437+/-0.030 χ^2/NDF: 401986.8/33

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

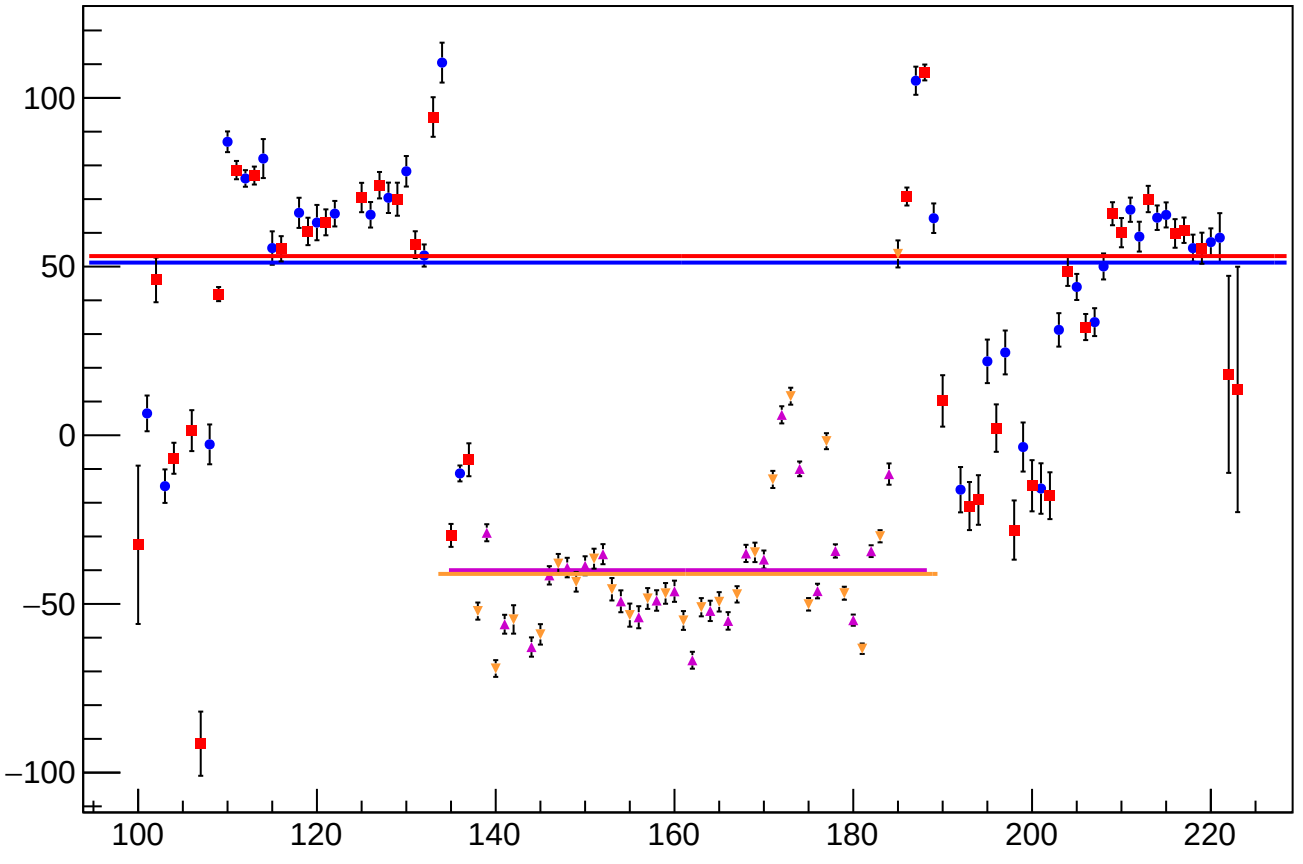
Right Out: -20.578+/-0.031 χ^2/NDF: 491239.1/36

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -5.409+/-0.014 χ^2/NDF: 742552.6/57

All: -5.325+/-0.010 χ^2/NDF: 1567958.0/117

- sign -5.239+/-0.014 χ^2/NDF: 825333.1/59



Right In: 51.185+/-0.718 χ^2/NDF: 2046.8/33

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

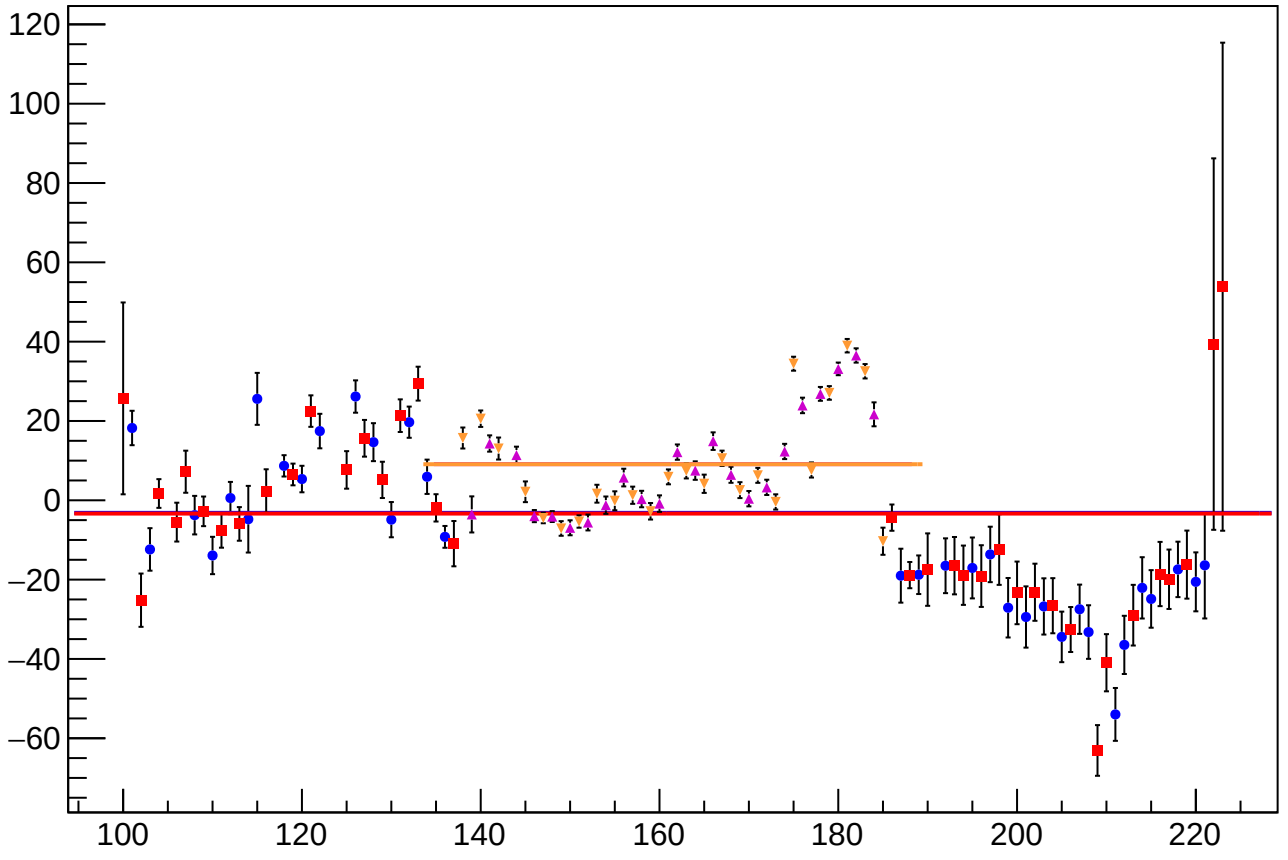
Right Out: 53.115+/-0.683 χ^2/NDF: 2762.9/36

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -9.549+/-0.420 χ^2/NDF: 14872.0/57

All: -7.494+/-0.295 χ^2/NDF: 30408.9/117

\- sign -5.477+/-0.416 χ^2/NDF: 15489.5/59



Right In: -3.170+/-0.867 χ^2/NDF: 431.1/33

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -3.346+/-0.841 χ^2/NDF: 425.6/36

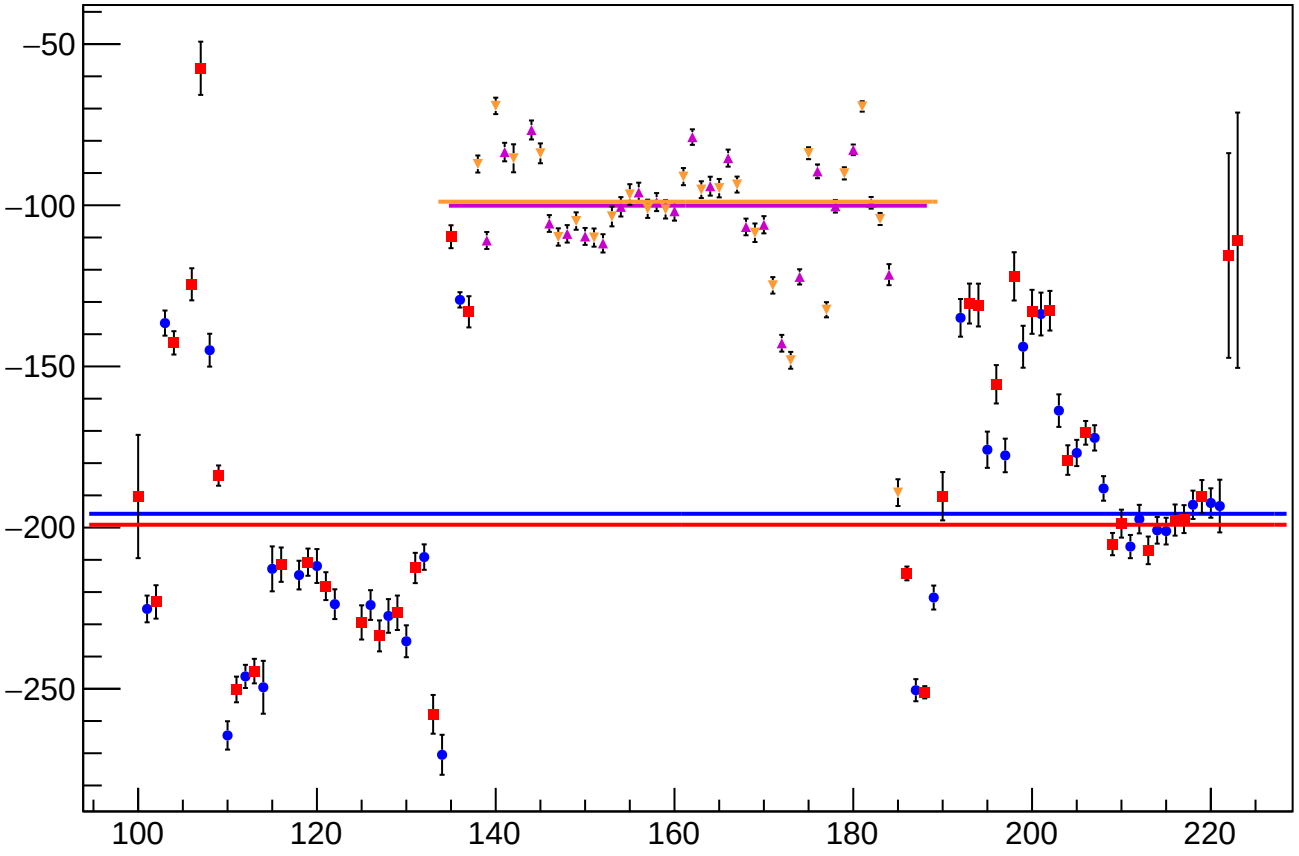
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 6.932+/-0.364 χ^2/NDF: 1849.4/57

All: 6.836+/-0.259 χ^2/NDF: 3504.6/117

- sign 6.738+/-0.368 χ^2/NDF: 1655.0/59

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -195.713+/-0.757 χ^2/NDF: 2710.9/33

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

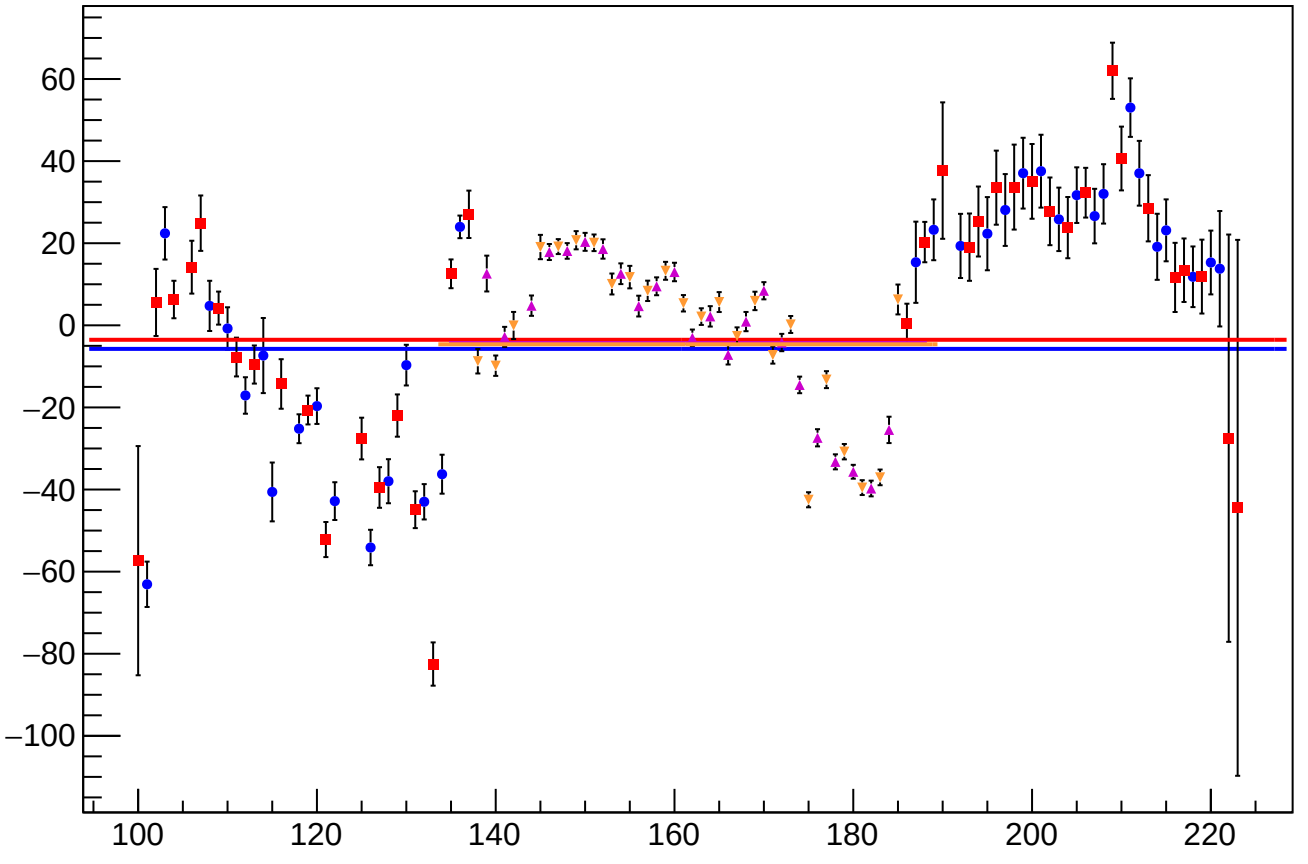
Right Out: -199.110+/-0.713 χ^2/NDF: 3679.1/36

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -129.460+/-0.425 χ^2/NDF: 15735.9/57

All: -131.996+/-0.299 χ^2/NDF: 32877.2/117

- sign -134.472+/-0.420 χ^2/NDF: 17071.0/59



Right In: -5.741+/-0.986 χ^2/NDF: 1000.3/33

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

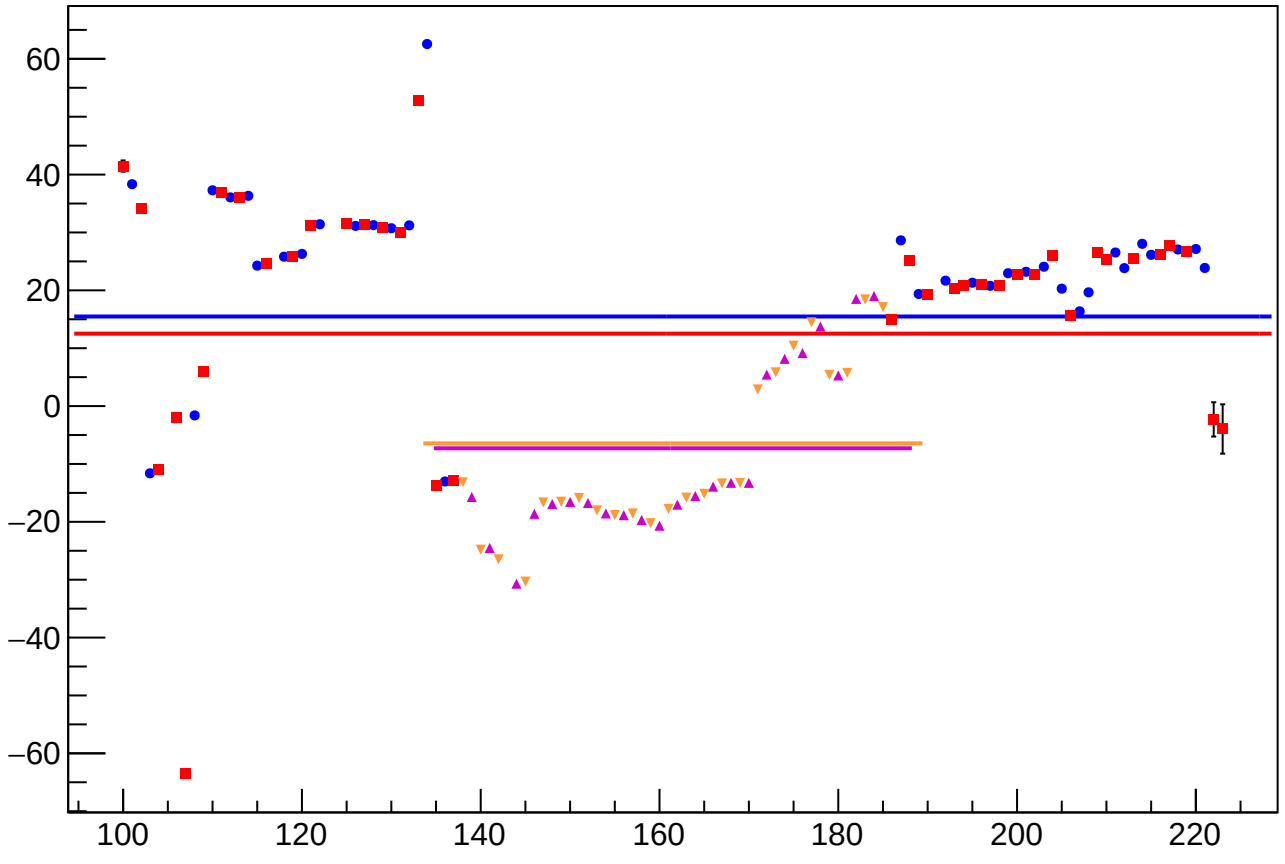
Right Out: -3.523+/-0.977 χ^2/NDF: 955.5/36

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -4.813+/-0.410 χ^2/NDF: 3079.7/57

All: -4.501+/-0.292 χ^2/NDF: 5891.1/117

- sign -4.183+/-0.415 χ^2/NDF: 2810.2/59



Right In: 15.478+/-0.048 χ^2/NDF: 180589.2/33

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 12.517+/-0.048 χ^2/NDF: 185443.3/36

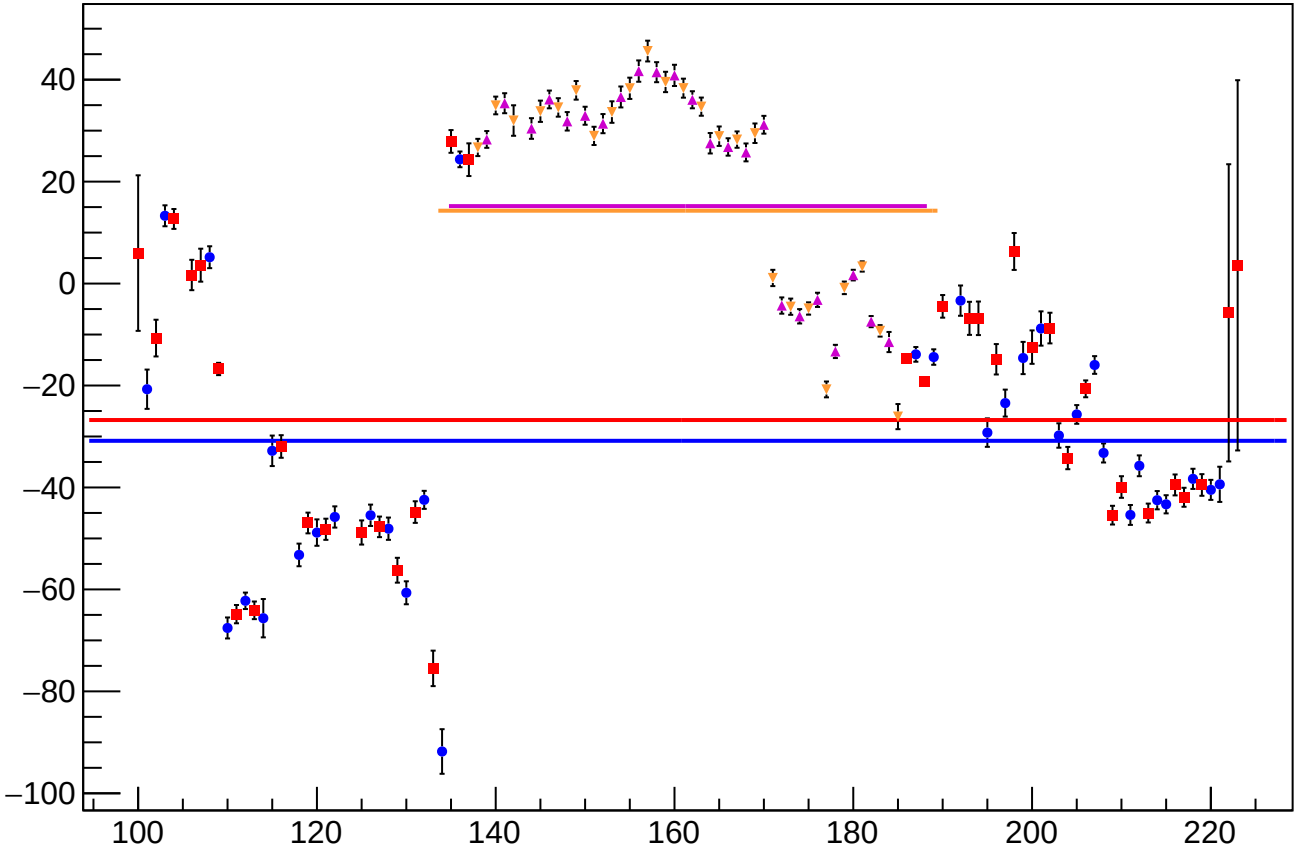
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.177+/-0.019 χ^2/NDF: 852527.3/57

All: -3.749+/-0.013 χ^2/NDF: 1670621.0/117

- sign -4.327+/-0.019 χ^2/NDF: 816195.4/59

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -30.848+/-0.362 χ^2/NDF: 4238.6/33

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

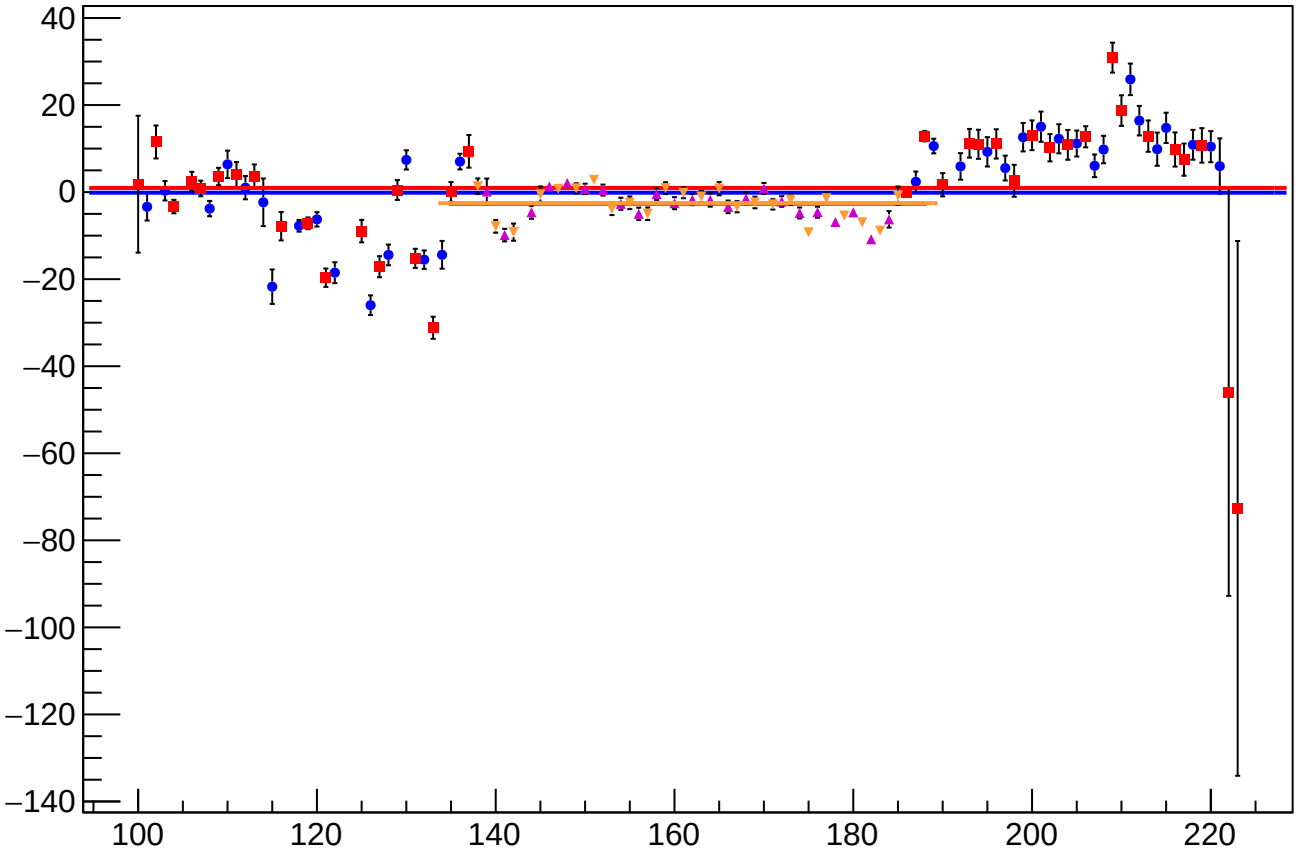
Right Out: -26.770+/-0.329 χ^2/NDF: 4255.9/36

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -6.550+/-0.246 χ^2/NDF: 16339.8/57

All: -6.481+/-0.170 χ^2/NDF: 31874.1/117

- sign -6.416+/-0.236 χ^2/NDF: 15534.2/59



Right In: -0.132+/-0.437 χ^2/NDF: 666.4/33

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.962+/-0.396 χ^2/NDF: 760.8/36

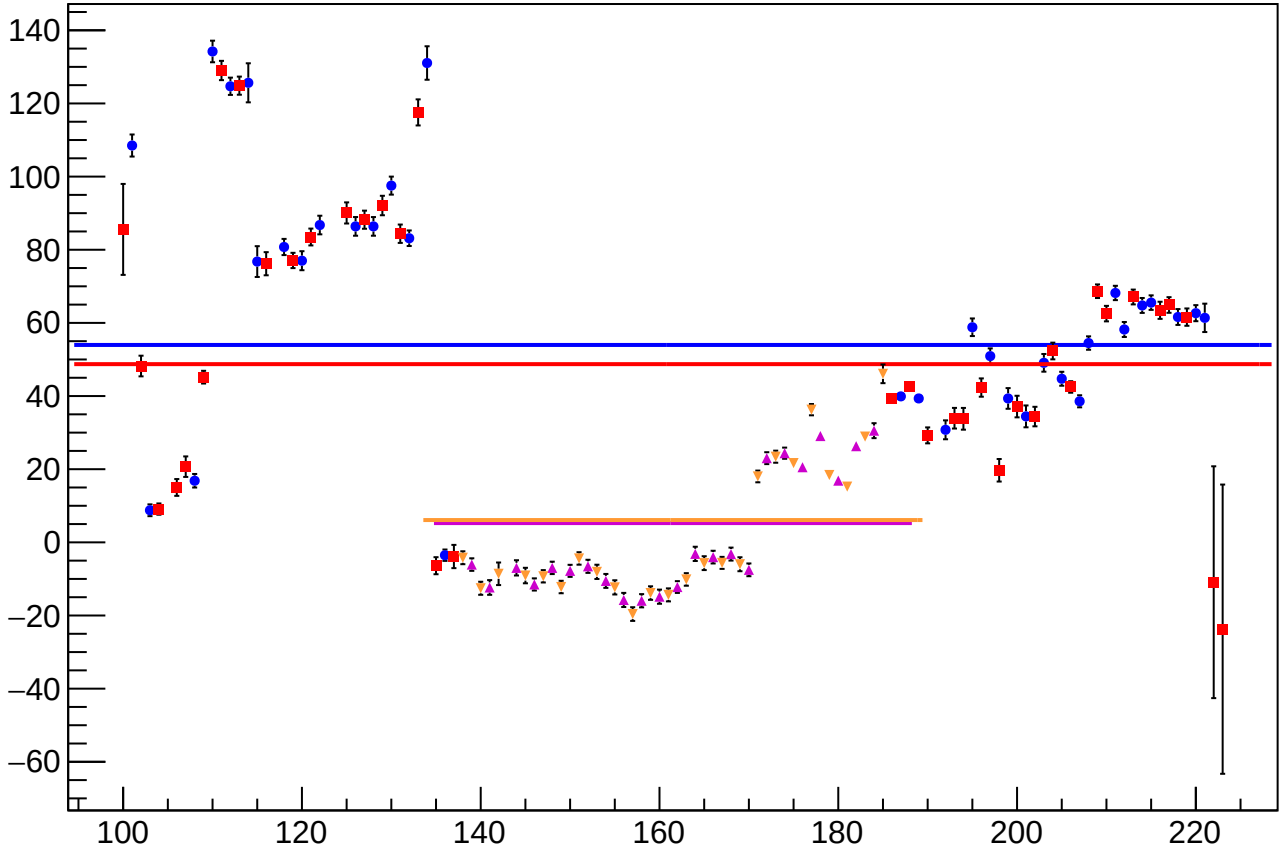
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -1.912+/-0.223 χ^2/NDF: 887.2/57

All: -1.732+/-0.157 χ^2/NDF: 1889.8/117

- sign -1.555+/-0.220 χ^2/NDF: 1001.3/59

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.971+/-0.365 χ^2/NDF: 6914.4/33

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 48.724+/-0.319 χ^2/NDF: 6387.2/36

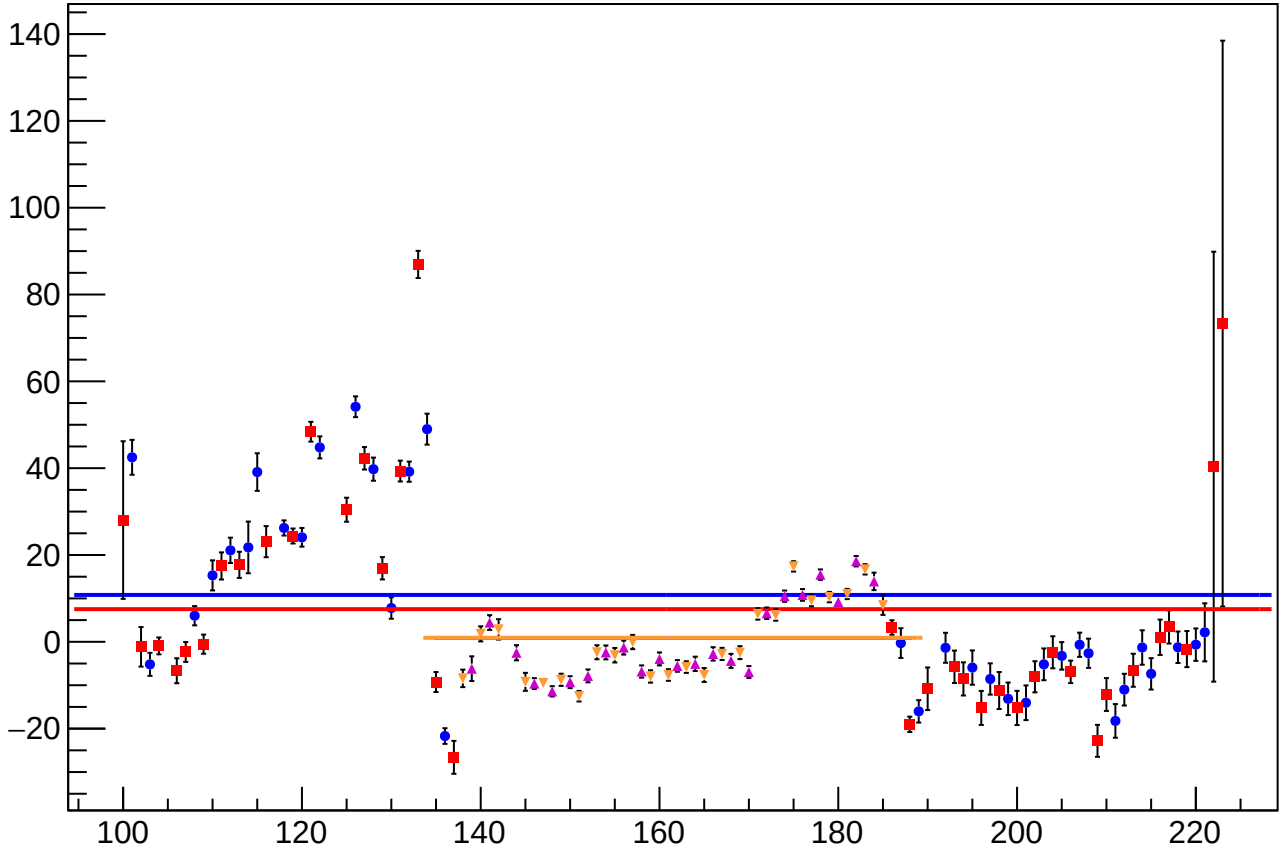
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 27.860+/-0.246 χ^2/NDF: 19092.9/57

All: 28.012+/-0.169 χ^2/NDF: 36710.2/117

- sign 28.147+/-0.232 χ^2/NDF: 17616.5/59

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.799+/-0.508 χ^2/NDF: 1973.2/33

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

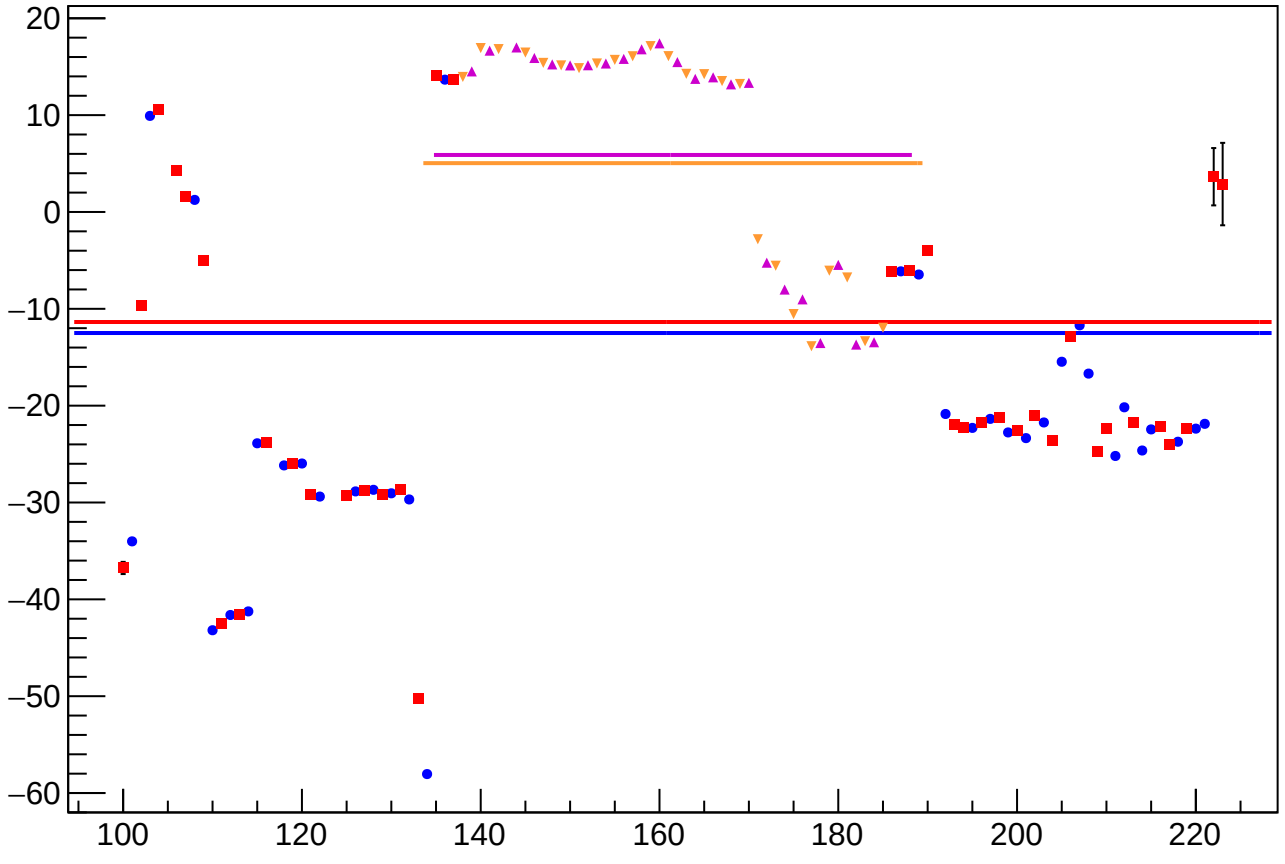
Right Out: 7.522+/-0.479 χ^2/NDF: 2292.4/36

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.378+/-0.253 χ^2/NDF: 3298.8/57

All: 3.052+/-0.179 χ^2/NDF: 6739.4/117

- sign 2.726+/-0.253 χ^2/NDF: 3437.3/59



Right In: -12.499+/-0.024 χ^2/NDF: 509563.4/33

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -11.362+/-0.023 χ^2/NDF: 429543.1/36

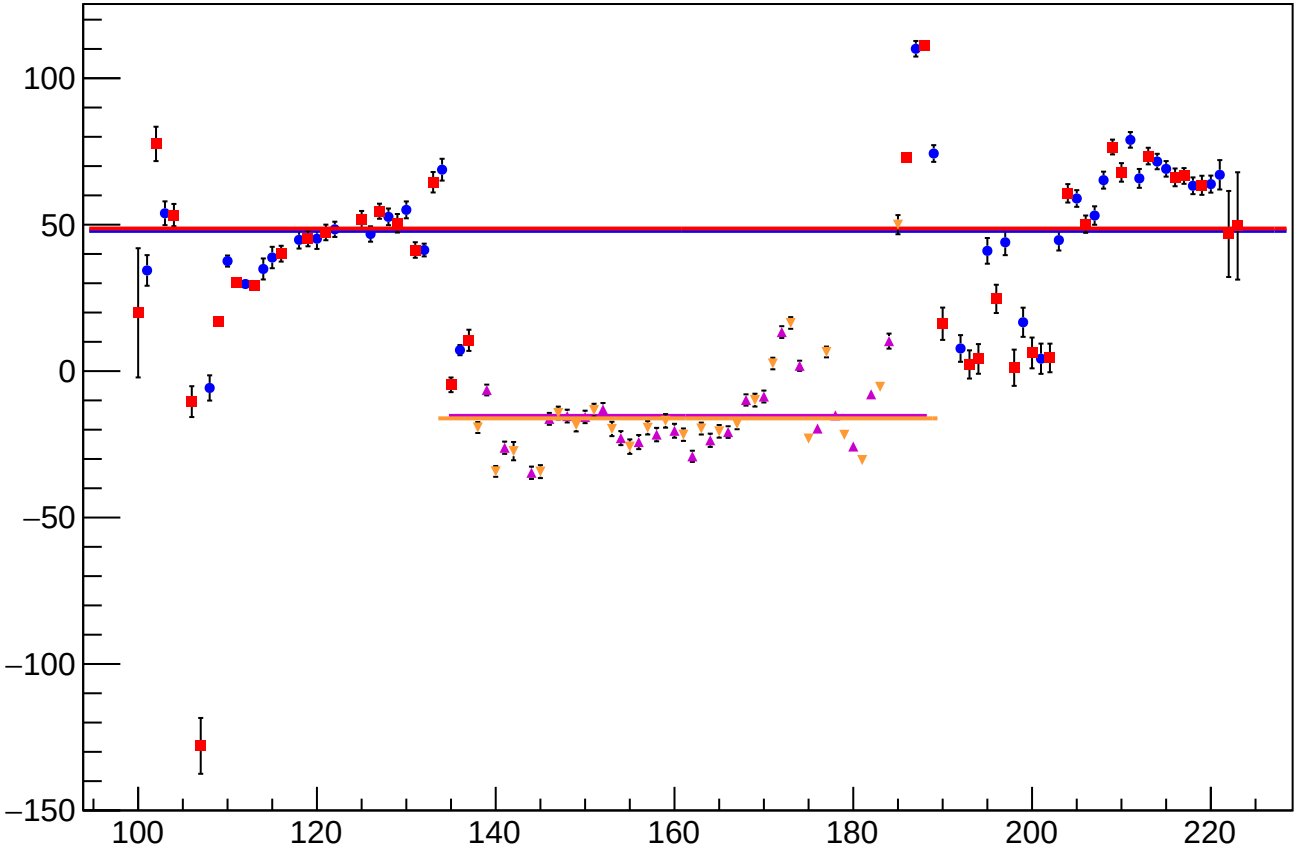
Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 0.926+/-0.011 χ^2/NDF: 1788337.7/57

All: 1.306+/-0.008 χ^2/NDF: 3485544.8/117

- sign 1.686+/-0.011 χ^2/NDF: 1694994.4/59

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 47.888+/-0.498 χ^2/NDF: 2204.0/33

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 48.667+/-0.471 χ^2/NDF: 4487.5/36

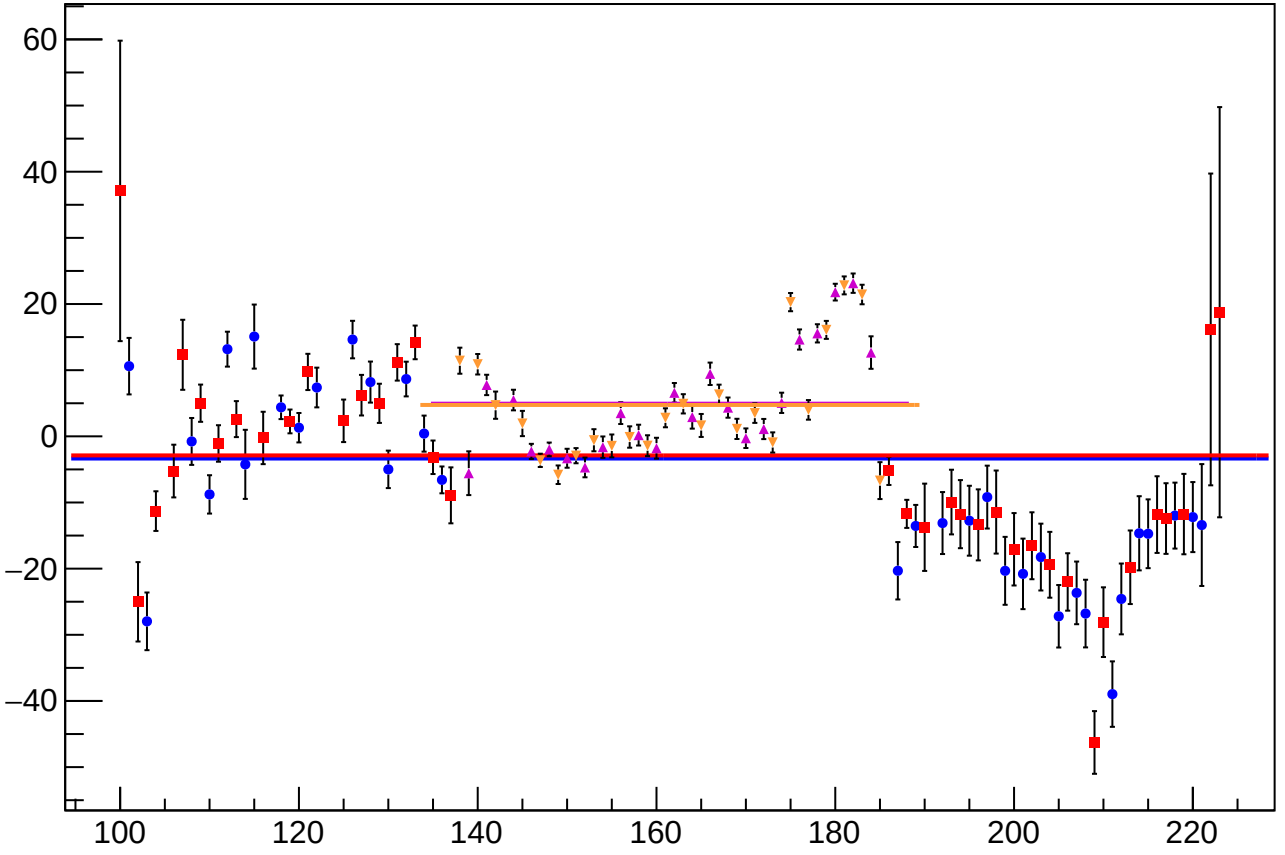
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 8.837+/-0.311 χ^2/NDF: 13665.0/57

All: 10.301+/-0.218 χ^2/NDF: 29587.0/117

- sign 11.724+/-0.306 χ^2/NDF: 15878.2/59

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.354+/-0.600 χ^2/NDF: 429.3/33

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

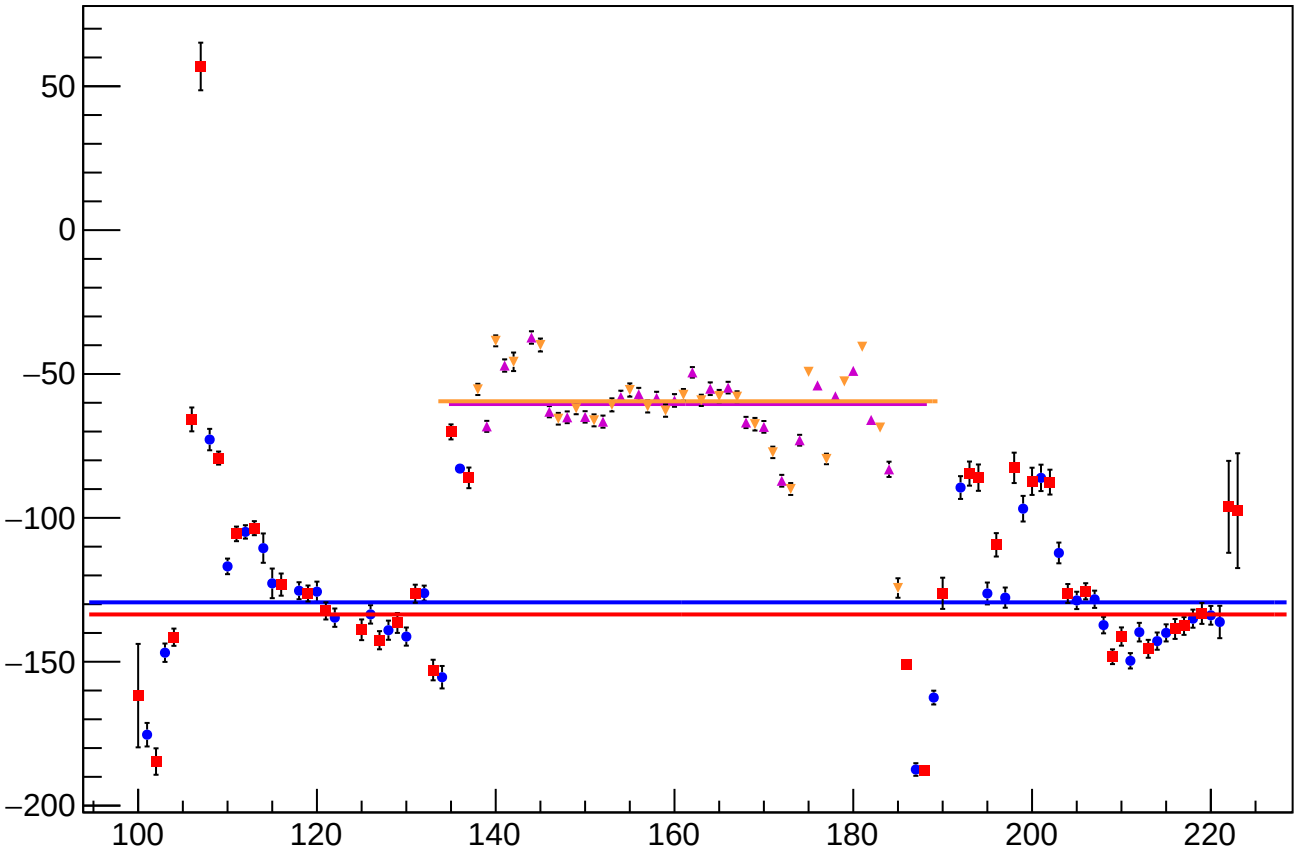
Right Out: -2.883+/-0.584 χ^2/NDF: 368.5/36

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.066+/-0.273 χ^2/NDF: 1367.8/57

All: 3.127+/-0.194 χ^2/NDF: 2564.1/117

- sign 3.188+/-0.276 χ^2/NDF: 1196.2/59



Right In: -129.358+/-0.531 χ^2/NDF: 2591.8/33

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

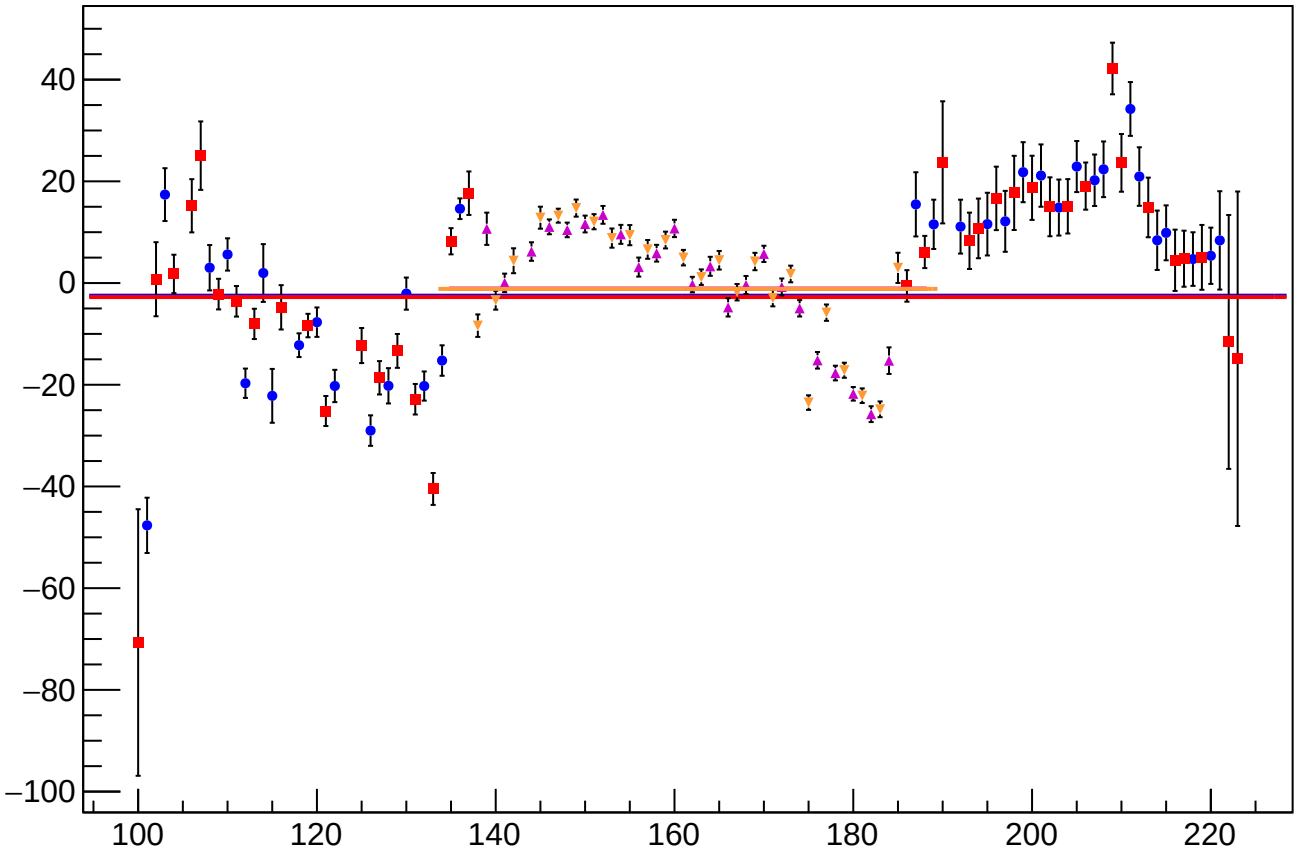
Right Out: -133.562+/-0.493 χ^2/NDF: 5397.9/36

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -84.370+/-0.317 χ^2/NDF: 15115.7/57

All: -86.936+/-0.222 χ^2/NDF: 34581.2/117

\- sign -89.400+/-0.310 χ^2/NDF: 19337.0/59



Right In: -2.486+/-0.683 χ^2/NDF: 646.3/33

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

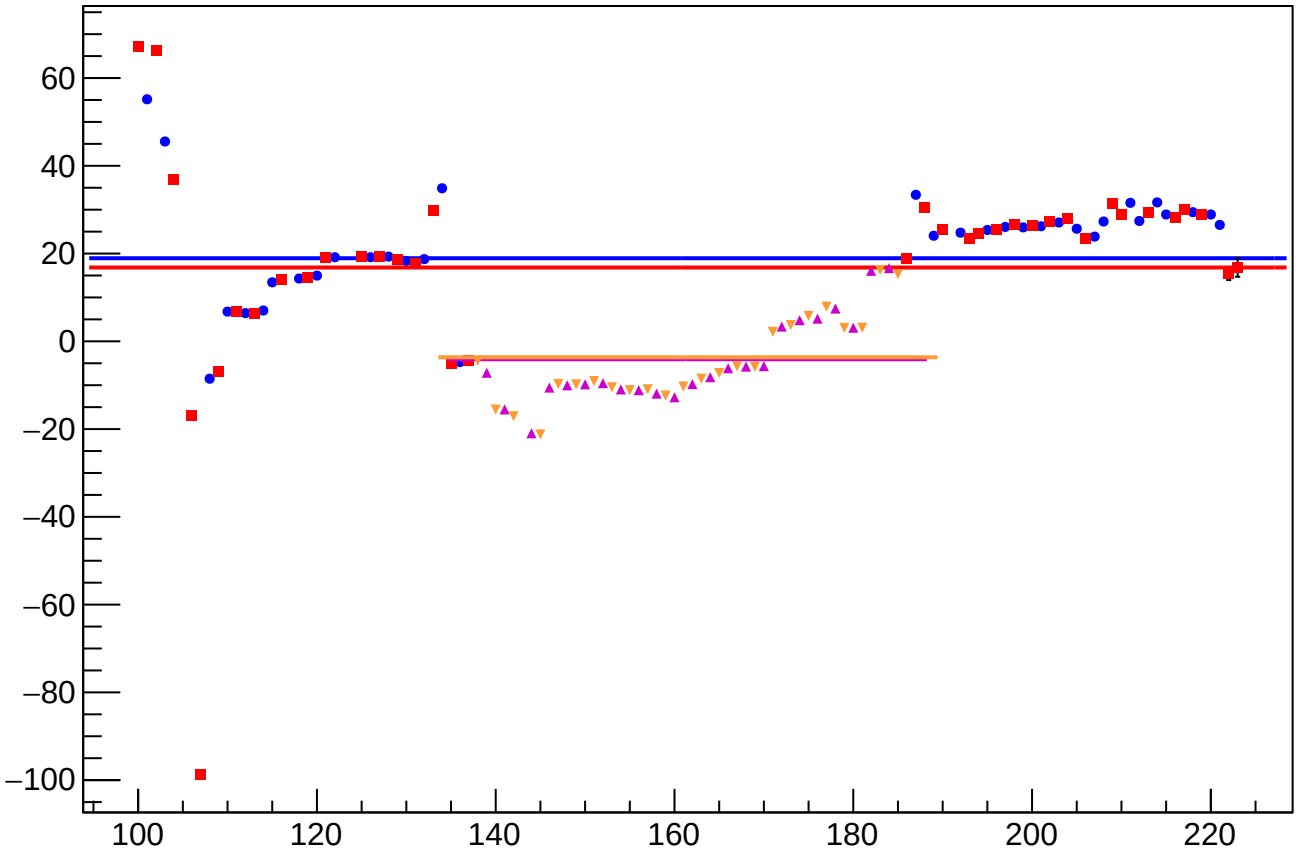
Right Out: -2.752+/-0.680 χ^2/NDF: 584.2/36

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.418+/-0.308 χ^2/NDF: 1952.3/57

All: -1.426+/-0.219 χ^2/NDF: 3698.7/117

- sign -1.435+/-0.312 χ^2/NDF: 1746.4/59



Right In: 18.936+/-0.035 χ^2/NDF: 221136.6/33

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

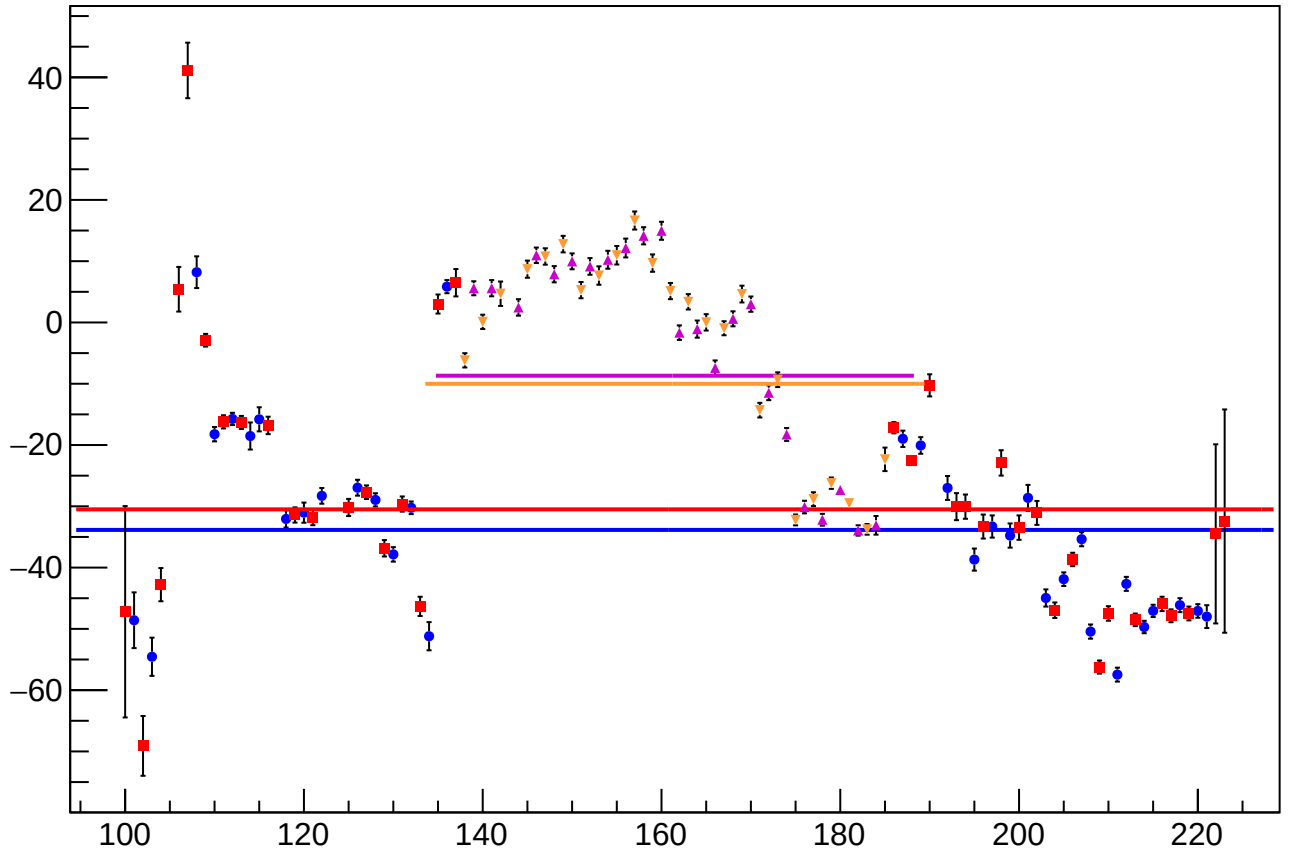
Right Out: 16.823+/-0.035 χ^2/NDF: 355844.0/36

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign 0.123+/-0.014 χ^2/NDF: 922695.8/57

All: -0.269+/-0.010 χ^2/NDF: 1910294.1/117

- sign -0.667+/-0.014 χ^2/NDF: 986041.8/59



Right In: -33.852+/-0.231 χ^2/NDF: 4275.4/33

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

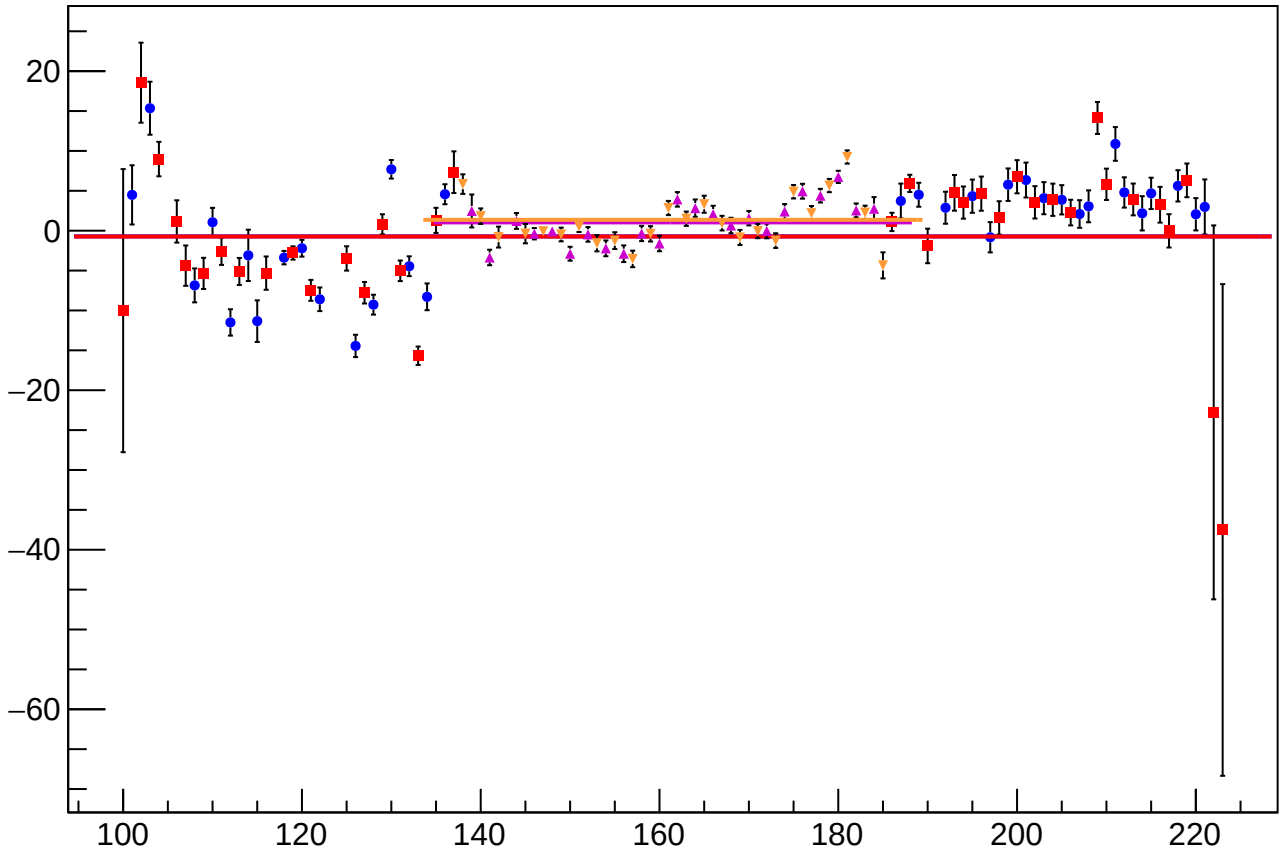
Right Out: -30.497+/-0.227 χ^2/NDF: 4909.0/36

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -22.615+/-0.168 χ^2/NDF: 14285.7/57

All: -21.567+/-0.119 χ^2/NDF: 28501.0/117

- sign -20.521+/-0.168 χ^2/NDF: 14137.3/59



Right In: -0.713+/-0.287 χ^2/NDF: 502.8/33

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

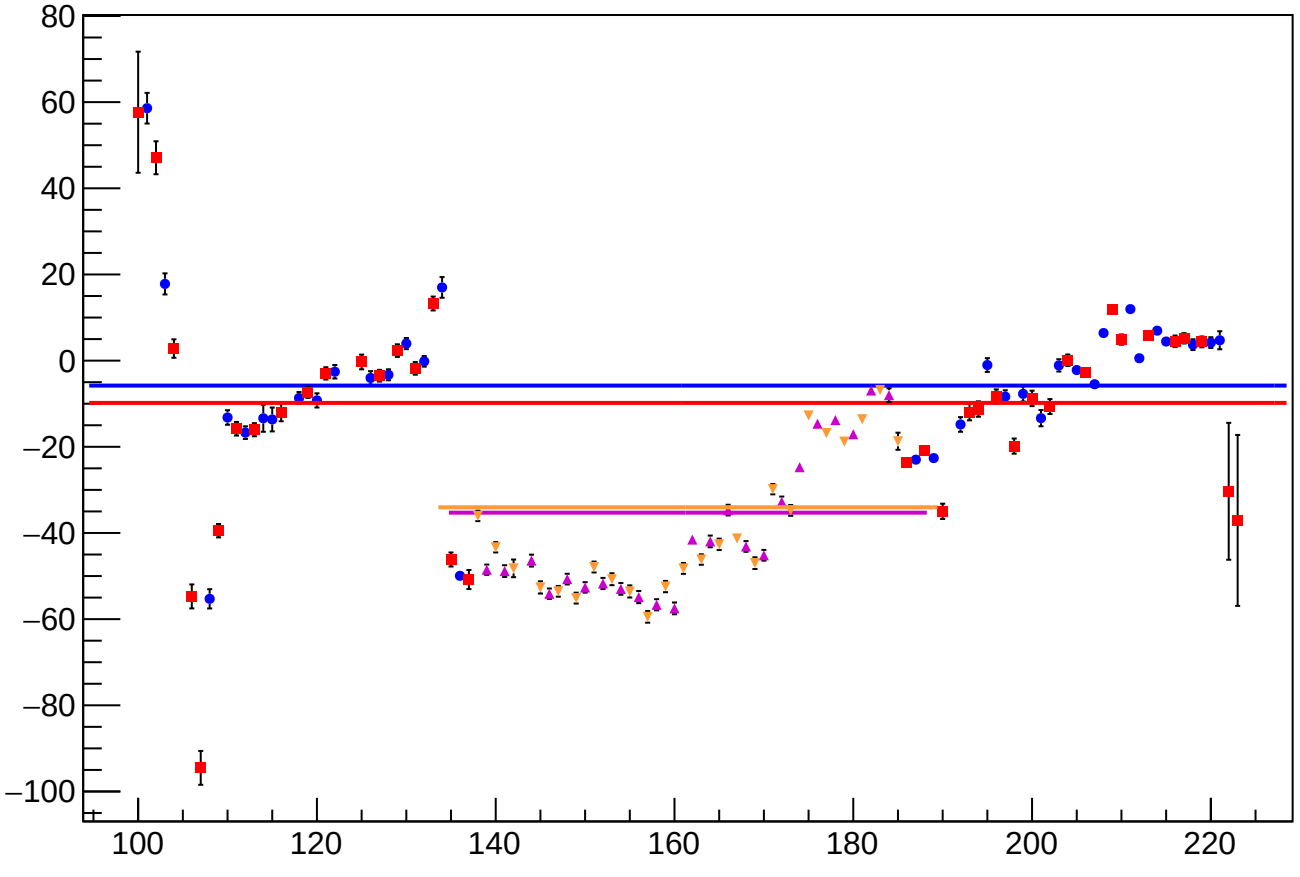
Right Out: -0.731+/-0.283 χ^2/NDF: 484.7/36

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.736+/-0.157 χ^2/NDF: 779.7/57

All: 0.609+/-0.112 χ^2/NDF: 1488.5/117

- sign 0.480+/-0.159 χ^2/NDF: 707.6/59



Right In: -5.792+/-0.244 χ^2/NDF: 4121.5/33

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -9.810+/-0.234 χ^2/NDF: 4778.5/36

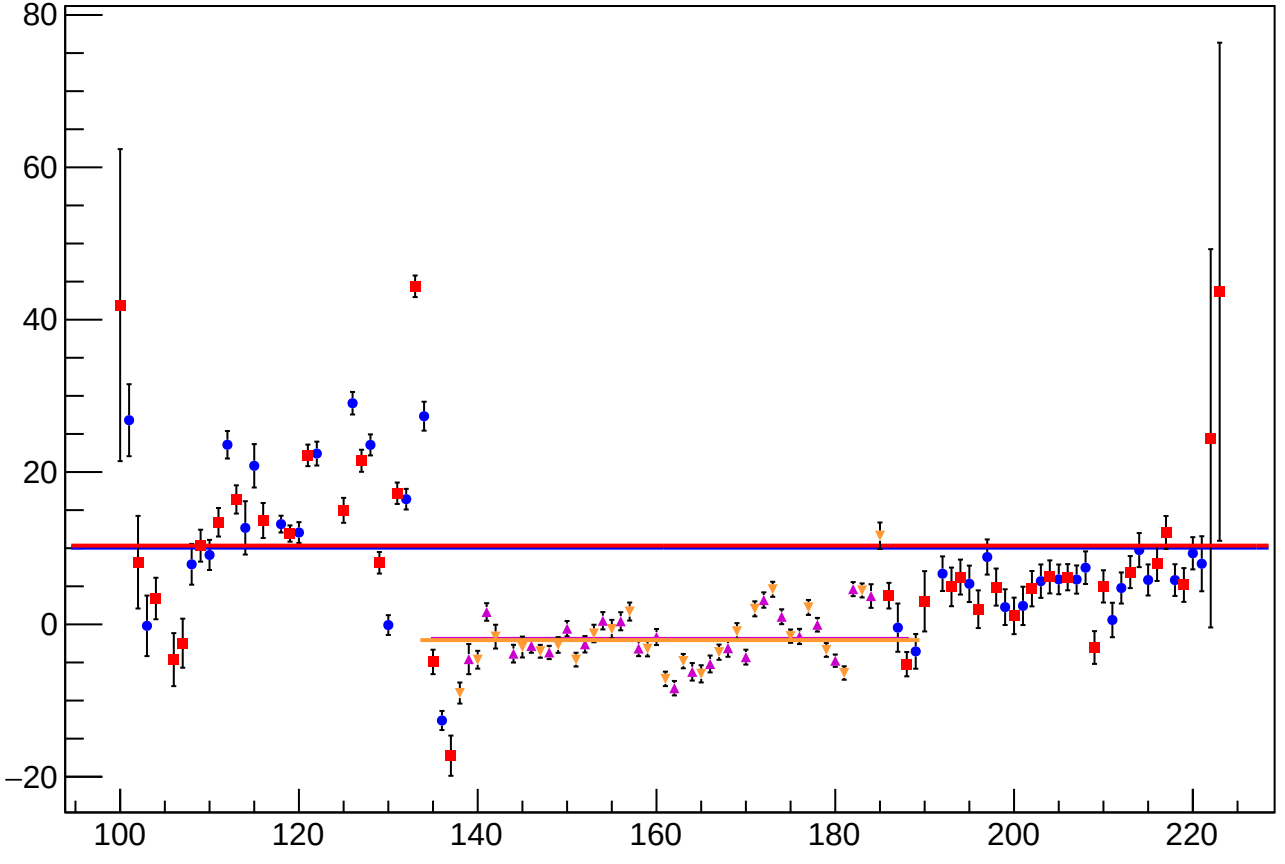
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -19.972+/-0.172 χ^2/NDF: 15839.7/57

All: -20.977+/-0.121 χ^2/NDF: 31322.3/117

\- sign -21.953+/-0.169 χ^2/NDF: 15415.2/59

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.078+/-0.326 χ^2/NDF: 1037.6/33

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

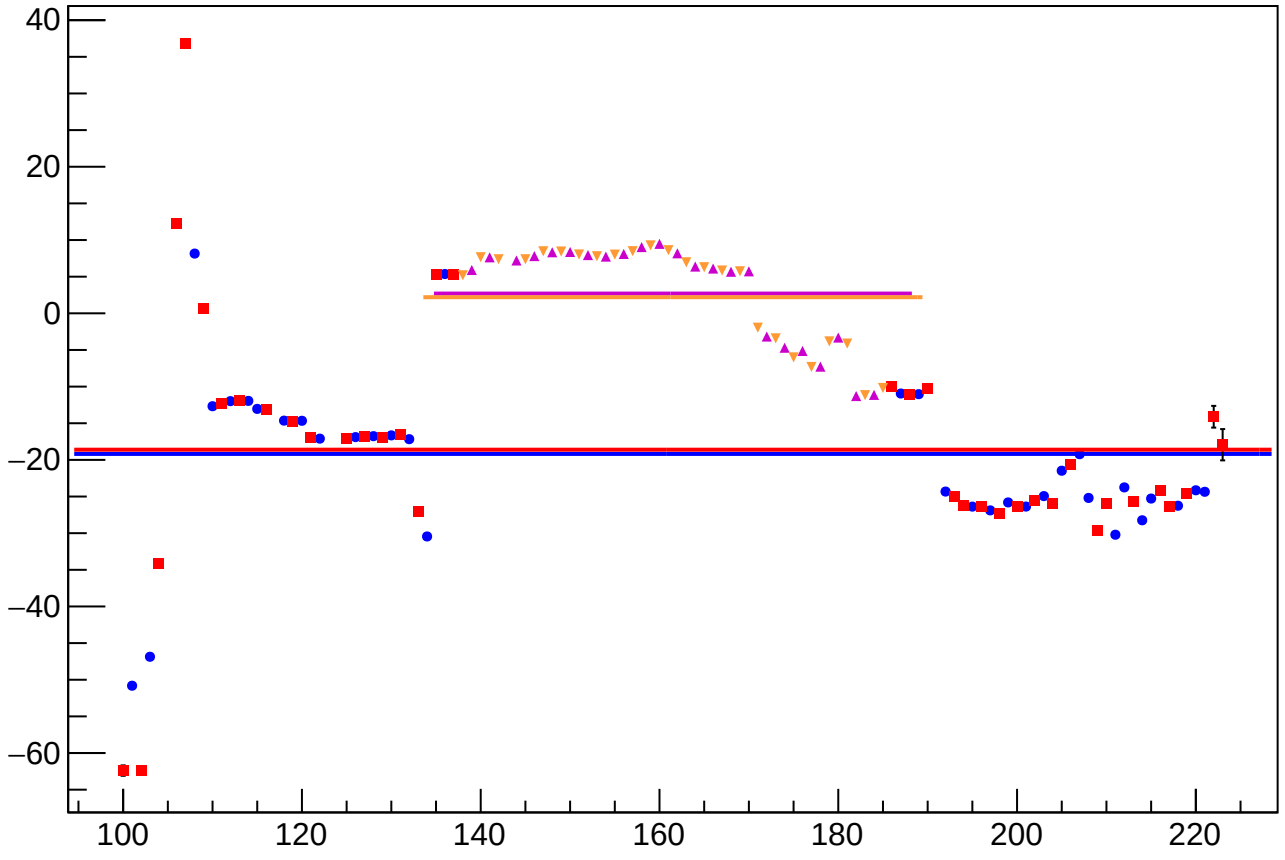
Right Out: 10.339+/-0.328 χ^2/NDF: 1227.5/36

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

\+ sign 1.547+/-0.178 χ^2/NDF: 2342.6/57

All: 1.670+/-0.127 χ^2/NDF: 4762.8/117

\- sign 1.796+/-0.181 χ^2/NDF: 2419.2/59



Right In: -19.186+/-0.016 χ^2/NDF: 537240.2/33

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.607+/-0.017 χ^2/NDF: 617382.0/36

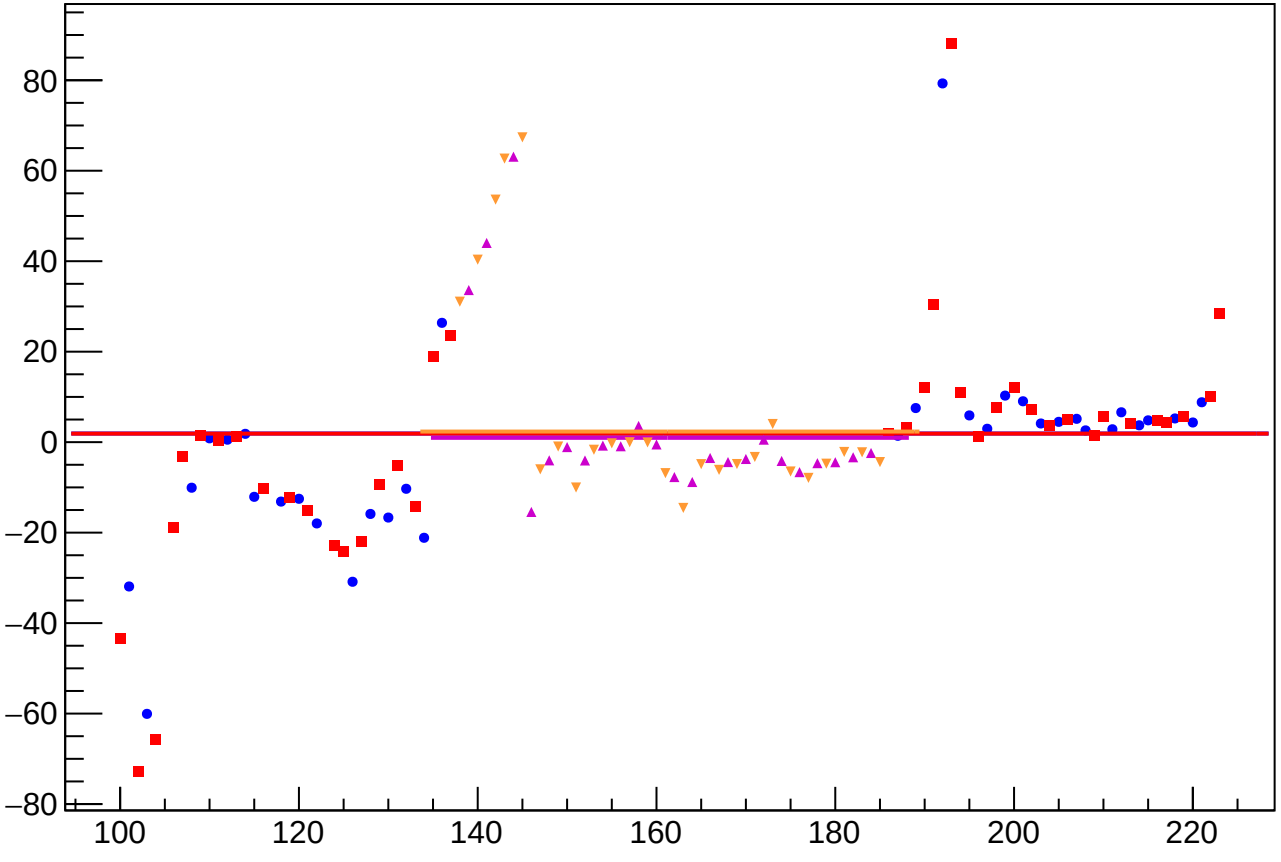
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -3.144+/-0.008 χ^2/NDF: 2312859.5/57

All: -2.873+/-0.006 χ^2/NDF: 4666394.5/117

\- sign -2.597+/-0.008 χ^2/NDF: 2351337.5/59

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.910+/-0.033 χ^2/NDF: 123204.1/33

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.885+/-0.031 χ^2/NDF: 127239.4/38

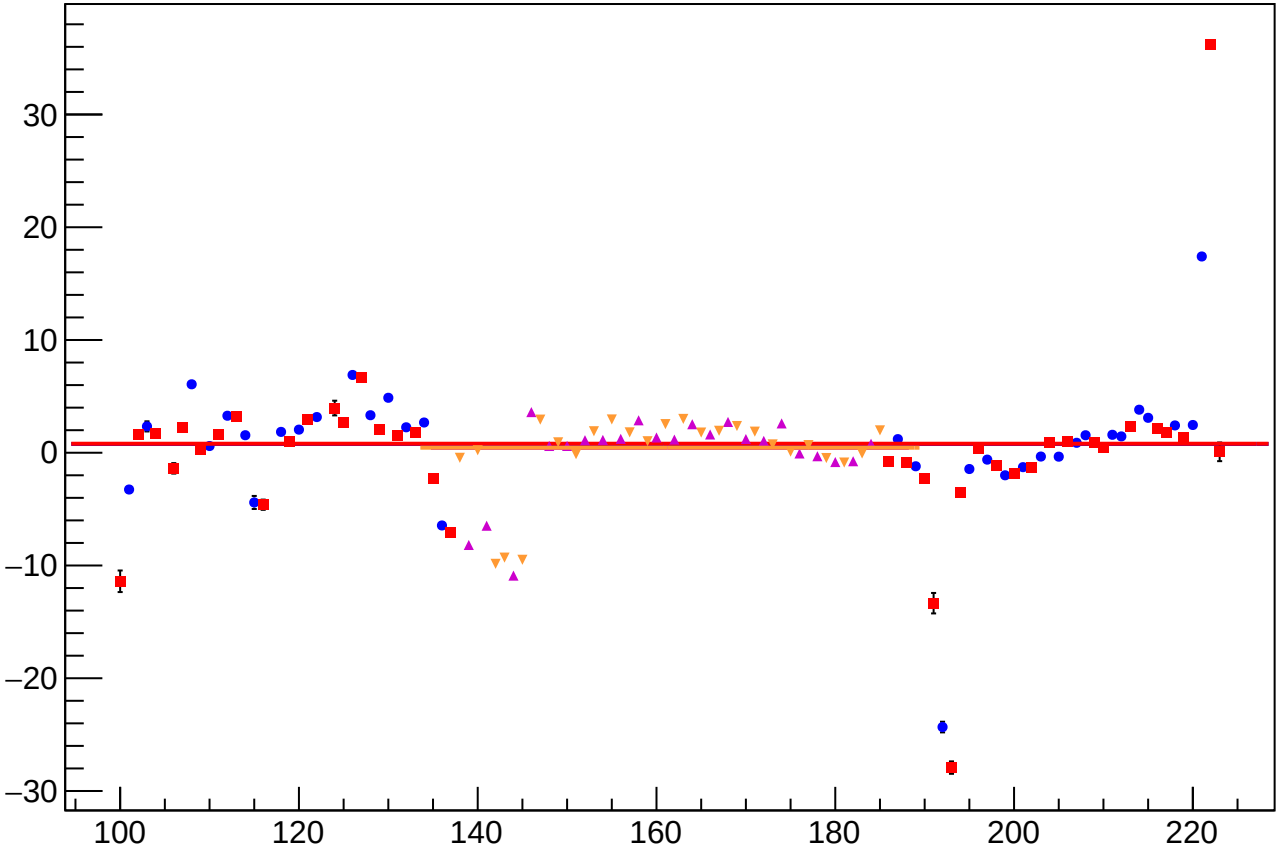
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 2.085+/-0.026 χ^2/NDF: 300258.4/58

All: 1.798+/-0.018 χ^2/NDF: 560594.4/120

- sign 1.538+/-0.024 χ^2/NDF: 260097.2/61

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.775+/-0.043 χ^2/NDF: 8415.6/33

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.799+/-0.042 χ^2/NDF: 15039.1/38

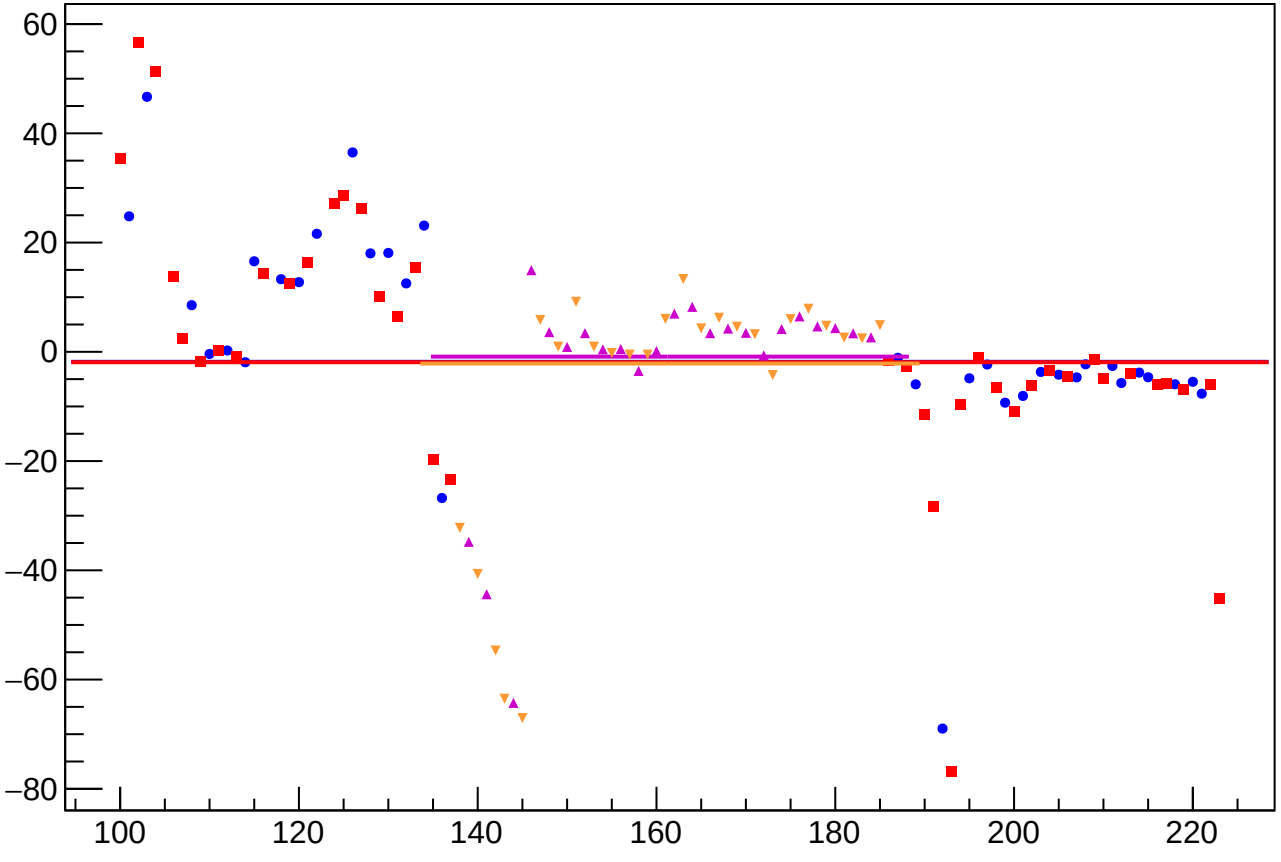
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.566+/-0.026 χ^2/NDF: 15496.6/58

All: 0.564+/-0.018 χ^2/NDF: 37689.0/120

- sign 0.563+/-0.025 χ^2/NDF: 22192.4/61

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -1.833+/-0.035 χ^2/NDF: 121284.0/33

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

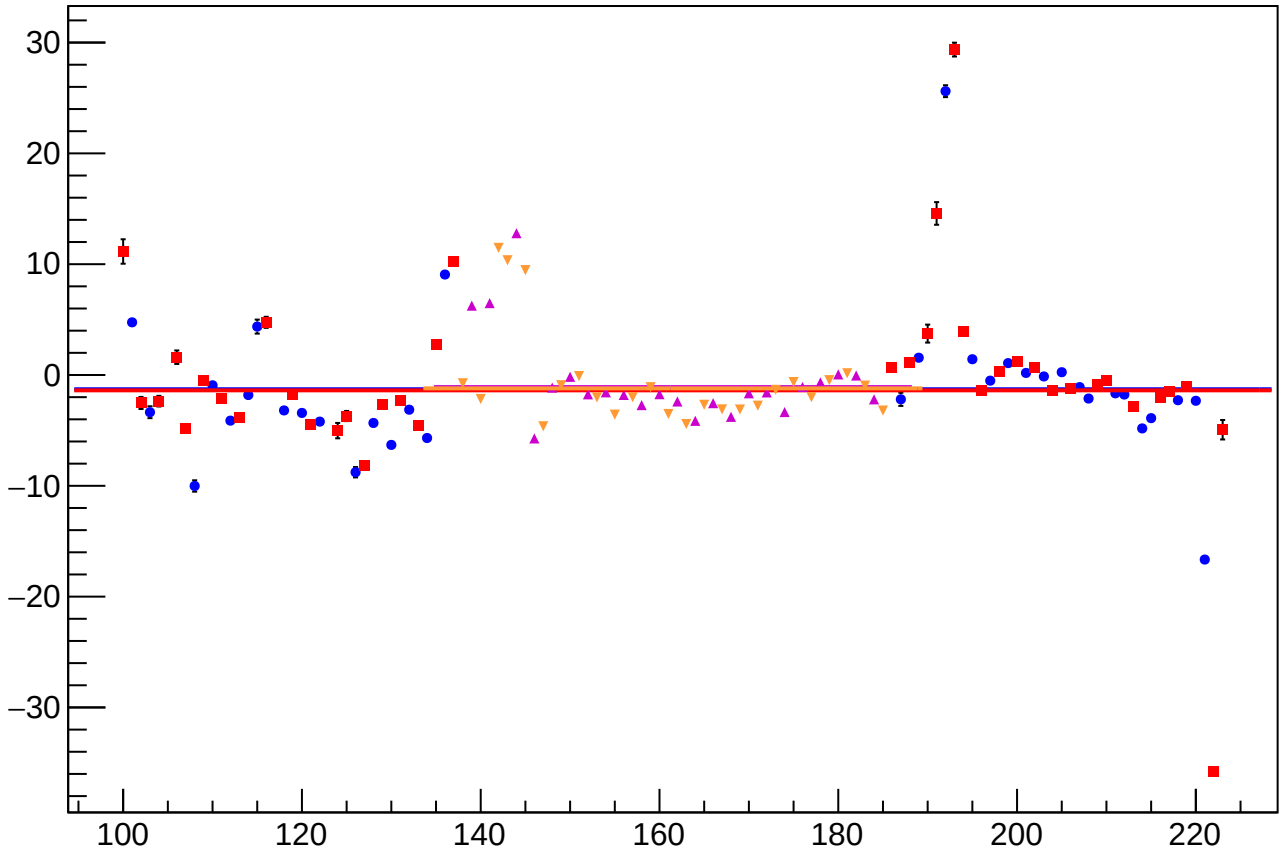
Right Out: -1.901+/-0.033 χ^2/NDF: 128361.6/38

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.965+/-0.026 χ^2/NDF: 292589.1/58

All: -1.714+/-0.018 χ^2/NDF: 550720.3/120

- sign -1.483+/-0.025 χ^2/NDF: 257956.0/61



Right In: -1.286+/-0.049 χ^2/NDF: 9335.9/33

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -1.384+/-0.048 χ^2/NDF: 13967.6/38

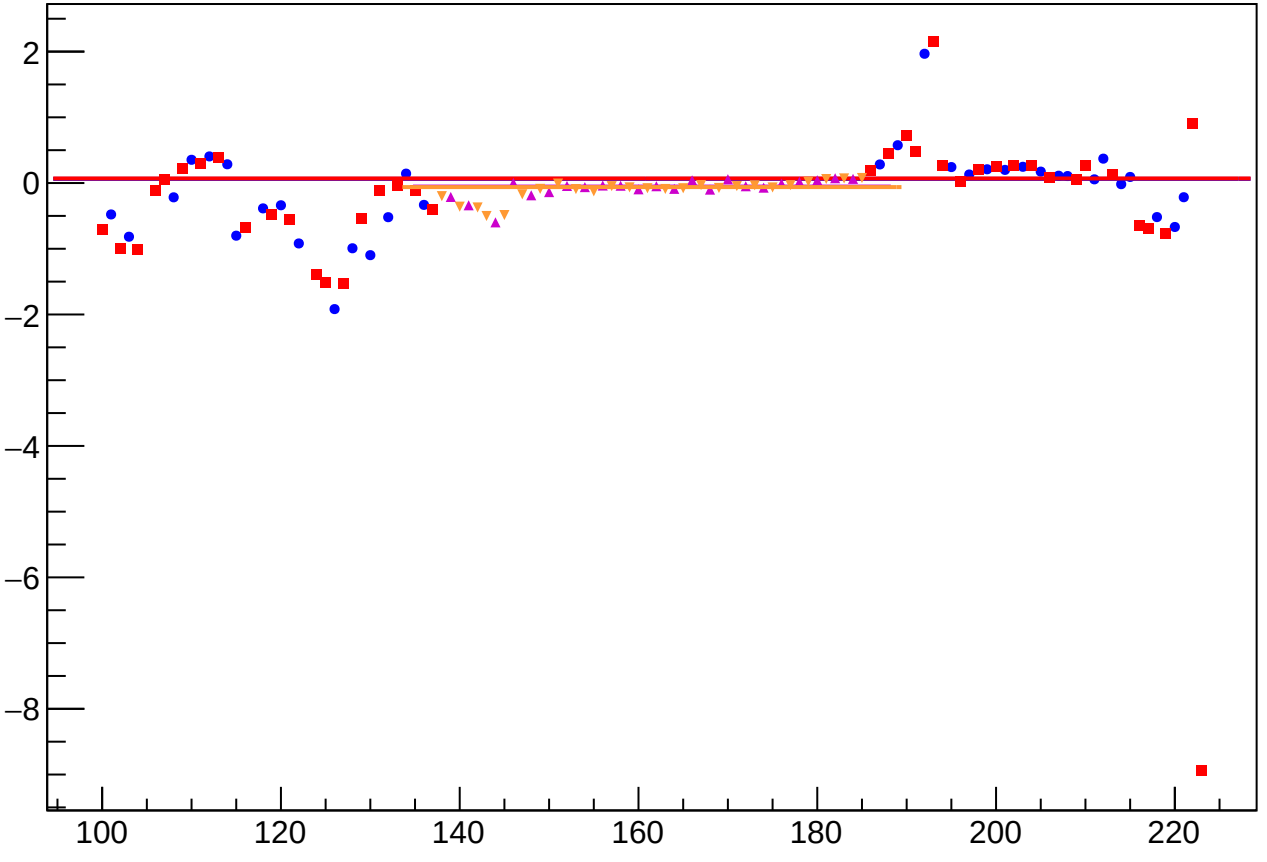
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.234+/-0.029 χ^2/NDF: 16340.7/58

All: -1.214+/-0.020 χ^2/NDF: 37362.5/120

- sign -1.195+/-0.028 χ^2/NDF: 21020.9/61

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.063+/-0.002 χ^2/NDF: 36855.3/33

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.069+/-0.002 χ^2/NDF: 64867.3/38

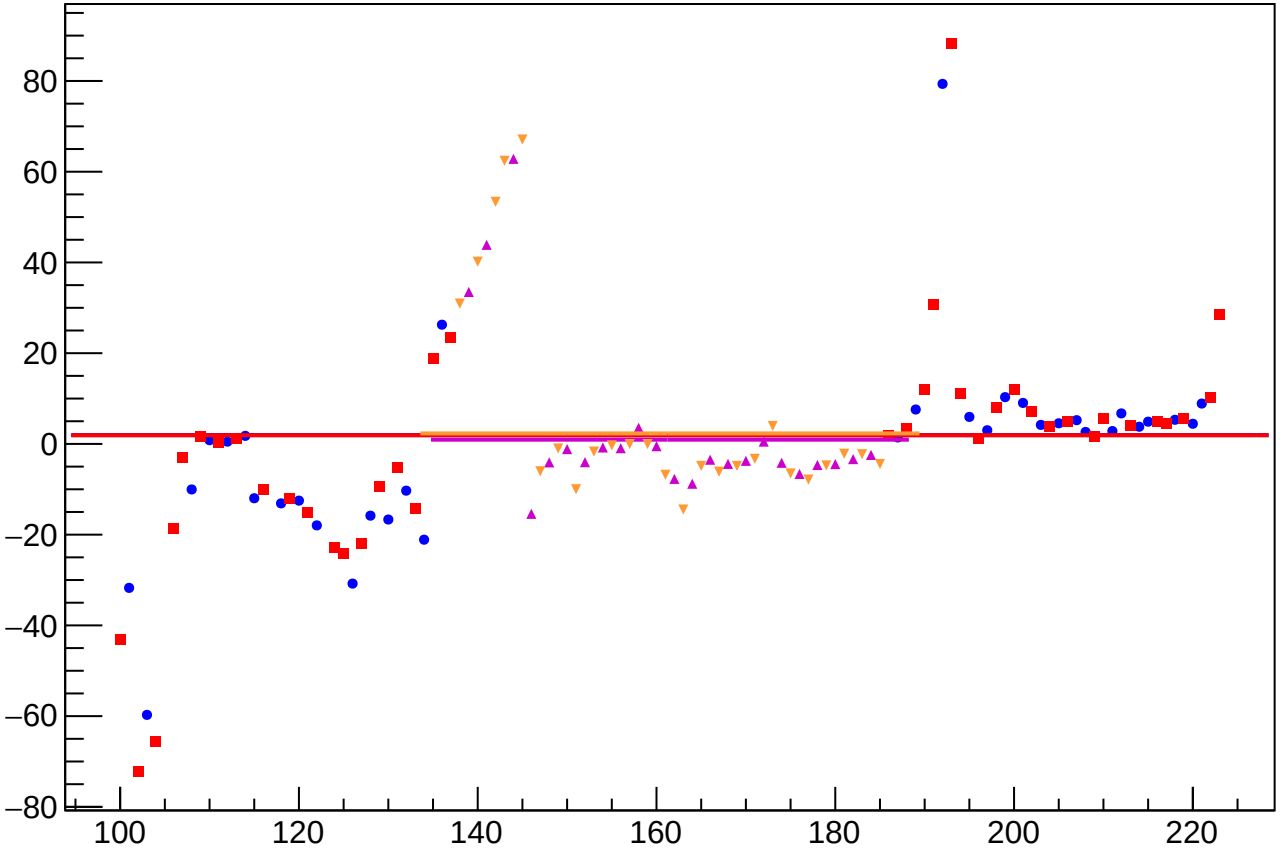
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.020+/-0.001 χ^2/NDF: 44654.4/58

All: -0.017+/-0.001 χ^2/NDF: 116708.8/120

- sign -0.015+/-0.001 χ^2/NDF: 72047.2/61

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.939+/-0.033 χ^2/NDF: 123826.4/33

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.913+/-0.031 χ^2/NDF: 128003.7/38

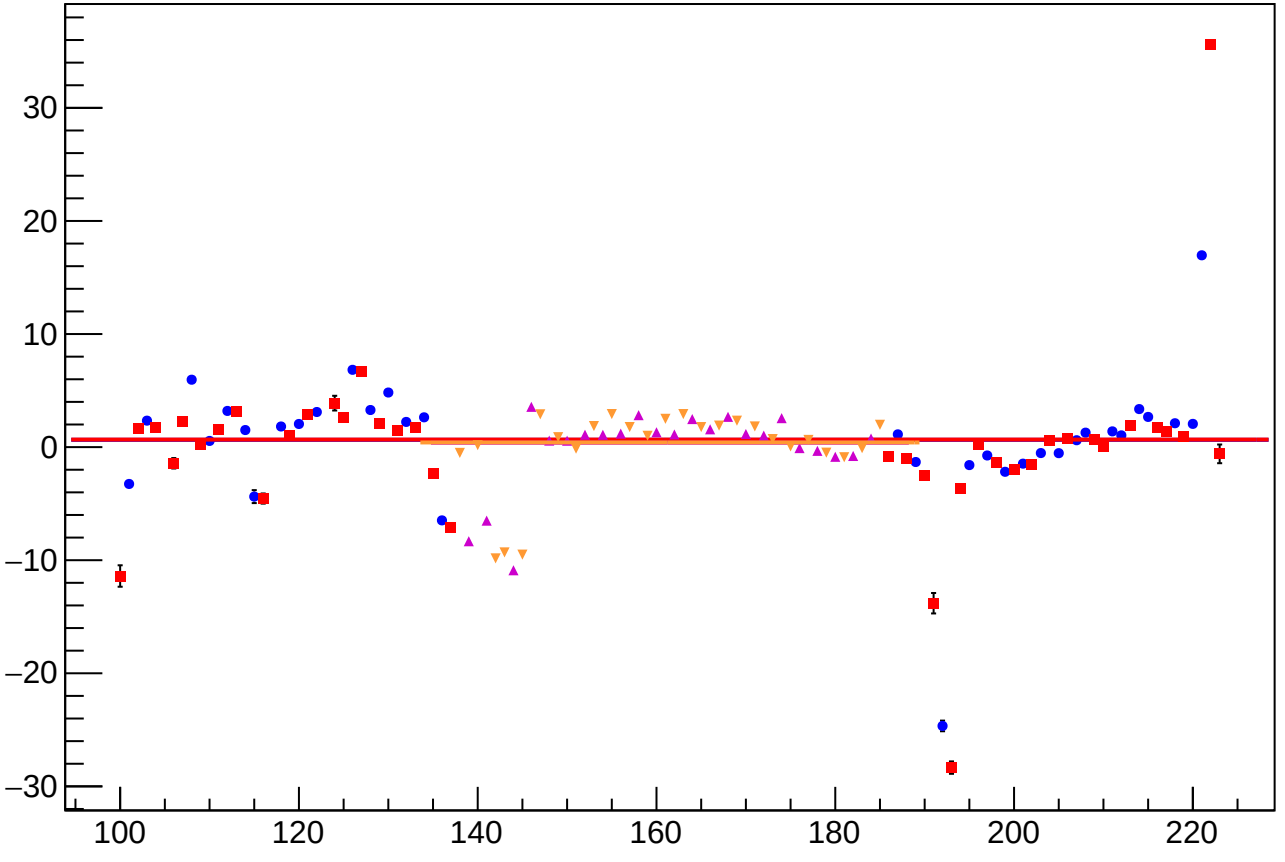
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 2.092+/-0.026 χ^2/NDF: 300625.8/58

All: 1.807+/-0.018 χ^2/NDF: 561651.1/120

- sign 1.548+/-0.024 χ^2/NDF: 260787.4/61

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.644+/-0.043 χ^2/NDF: 8410.6/33

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.666+/-0.041 χ^2/NDF: 14997.1/38

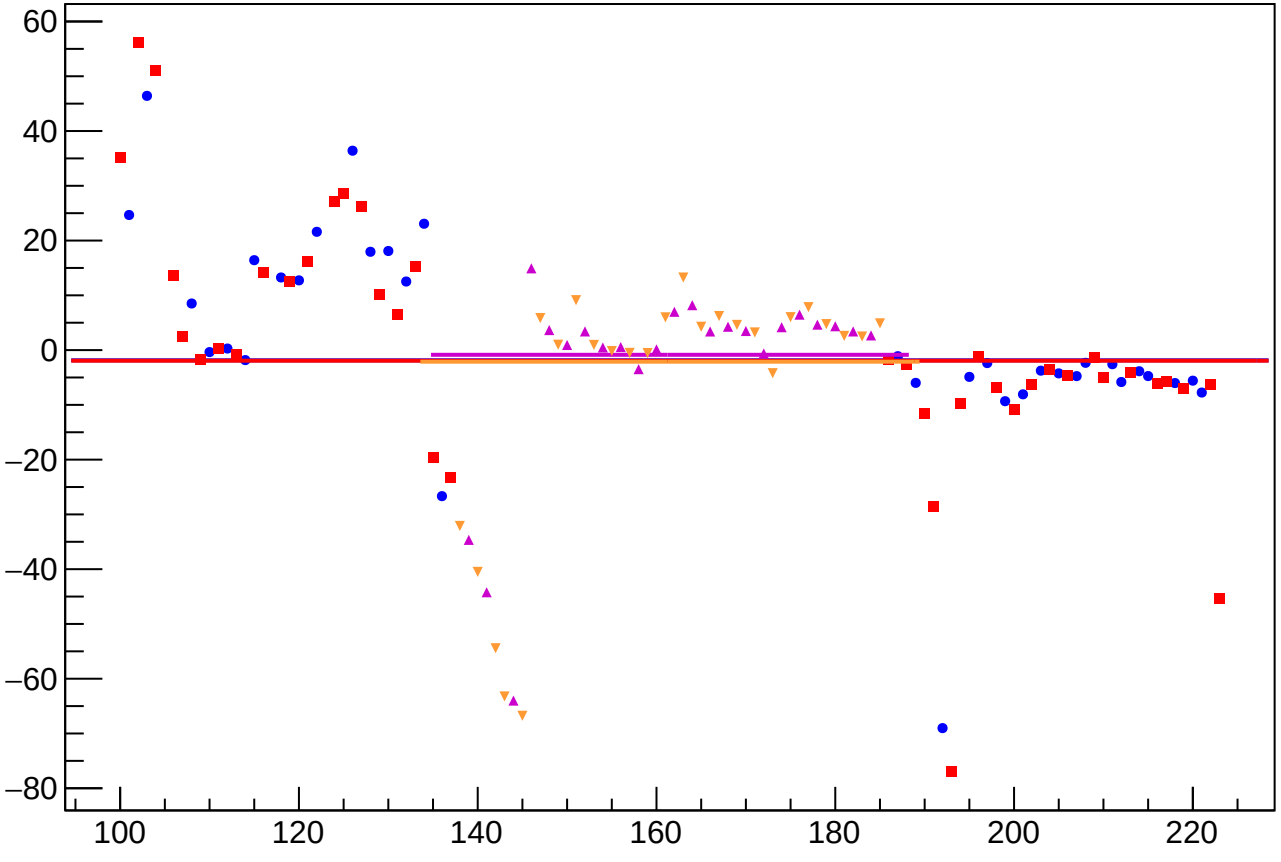
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.498+/-0.026 χ^2/NDF: 15476.0/58

All: 0.494+/-0.018 χ^2/NDF: 37615.8/120

- sign 0.490+/-0.025 χ^2/NDF: 22139.7/61

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.866+/-0.035 χ^2/NDF: 121848.9/33

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.934+/-0.033 χ^2/NDF: 129073.1/38

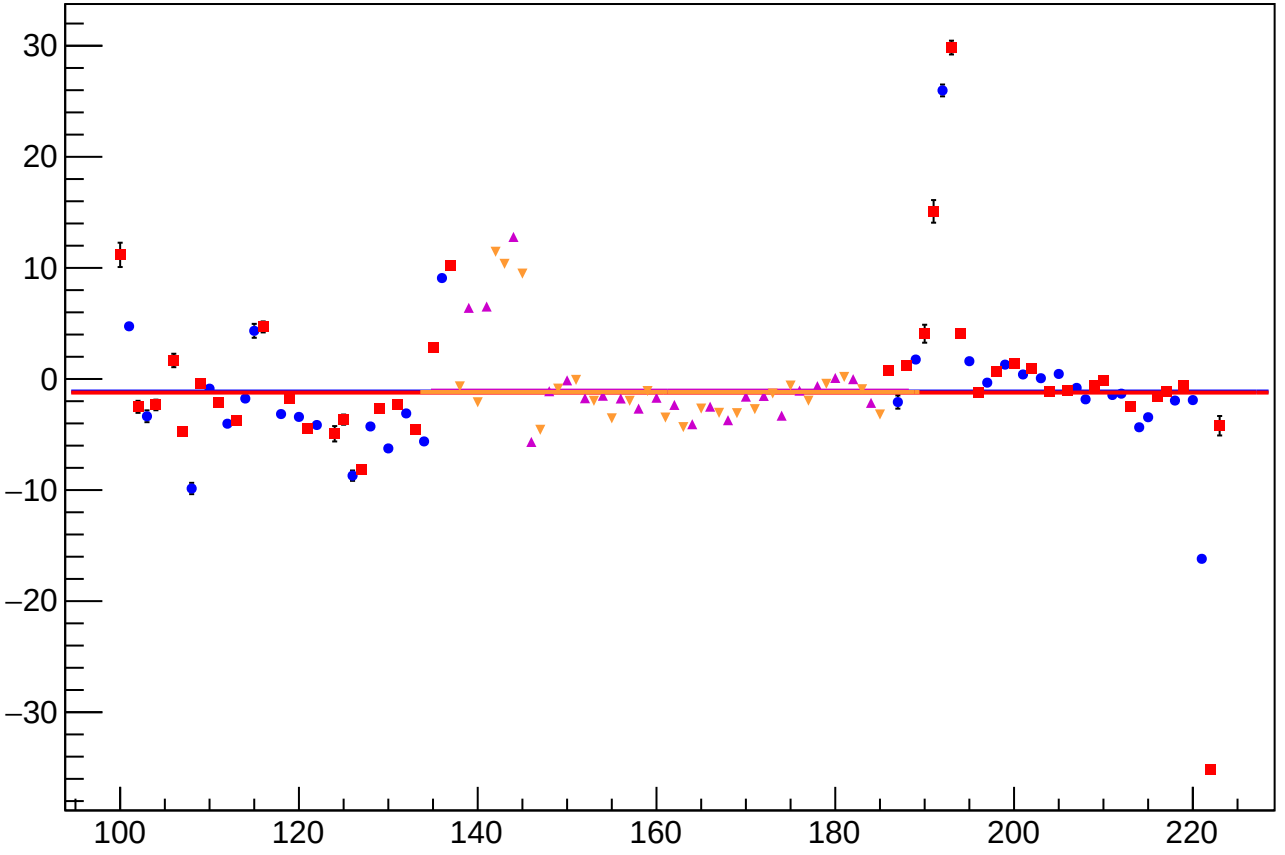
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.974+/-0.026 χ^2/NDF: 292911.5/58

All: -1.724+/-0.018 χ^2/NDF: 551688.3/120

- sign -1.495+/-0.025 χ^2/NDF: 258602.1/61

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.129+/-0.049 χ^2/NDF: 9335.1/33

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.225+/-0.047 χ^2/NDF: 13952.3/38

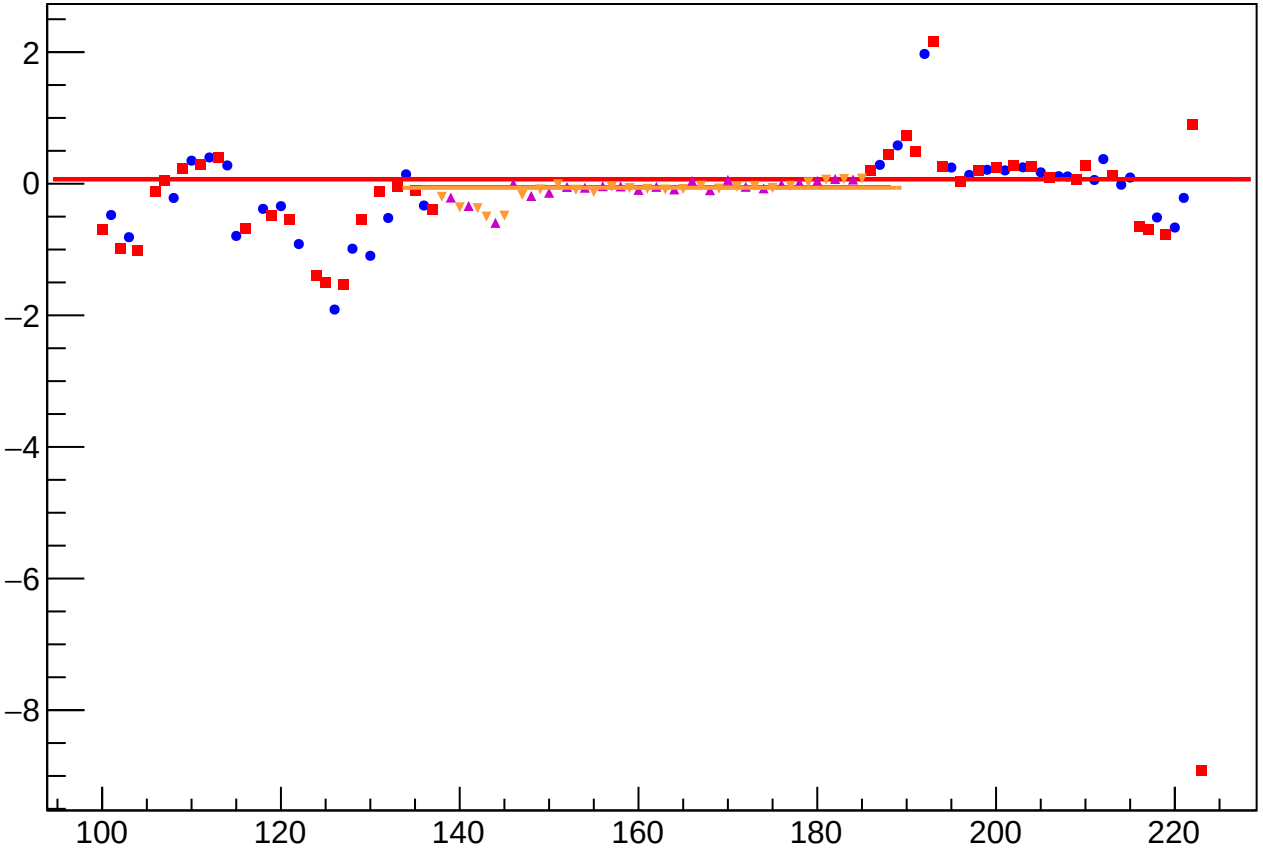
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.154+/-0.029 χ^2/NDF: 16336.9/58

All: -1.131+/-0.020 χ^2/NDF: 37340.2/120

- sign -1.110+/-0.028 χ^2/NDF: 21002.1/61

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.066+/-0.002 χ^2/NDF: 37143.5/33

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.072+/-0.002 χ^2/NDF: 65238.9/38

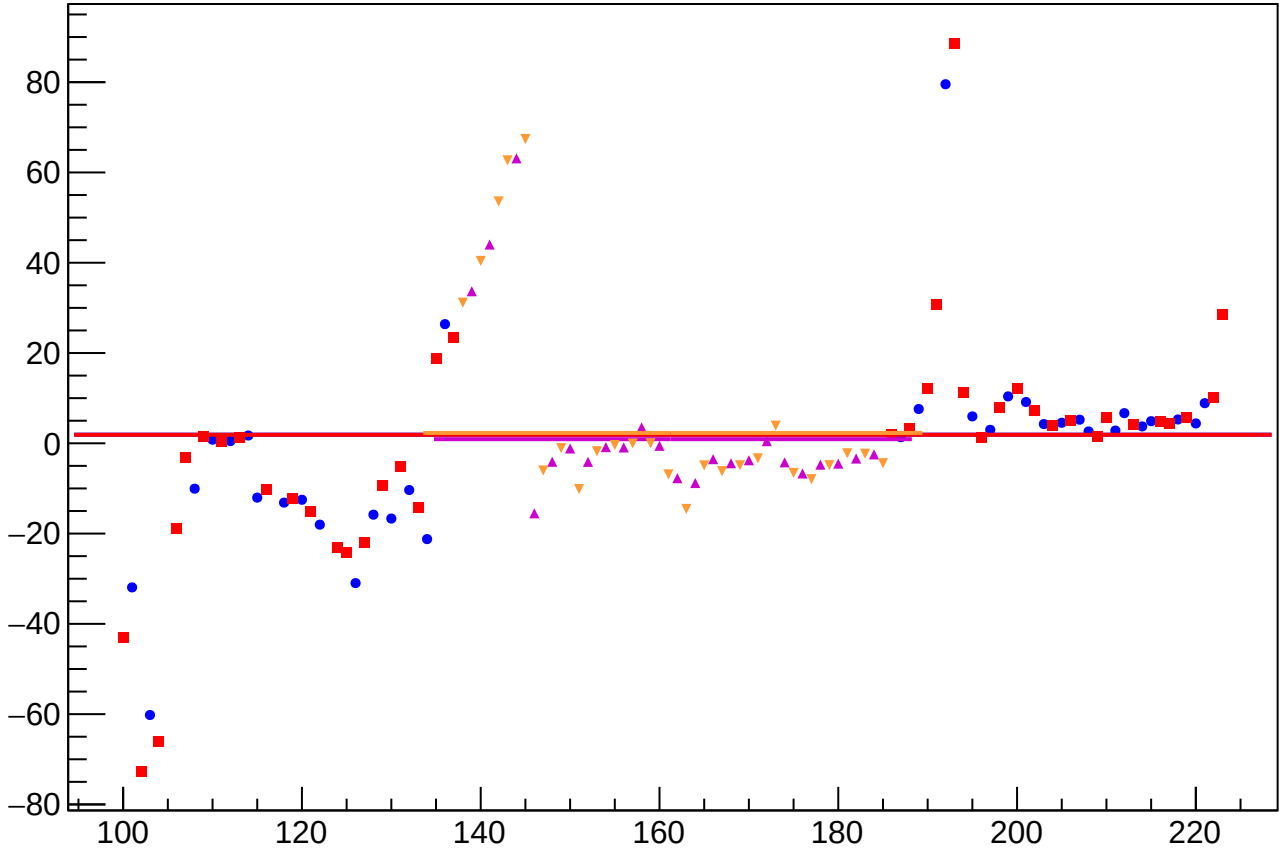
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.019+/-0.001 χ^2/NDF: 45038.3/58

All: -0.016+/-0.001 χ^2/NDF: 117533.9/120

- sign -0.013+/-0.001 χ^2/NDF: 72487.0/61

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.910+/-0.033 χ^2/NDF: 123828.3/33

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.886+/-0.031 χ^2/NDF: 127954.2/38

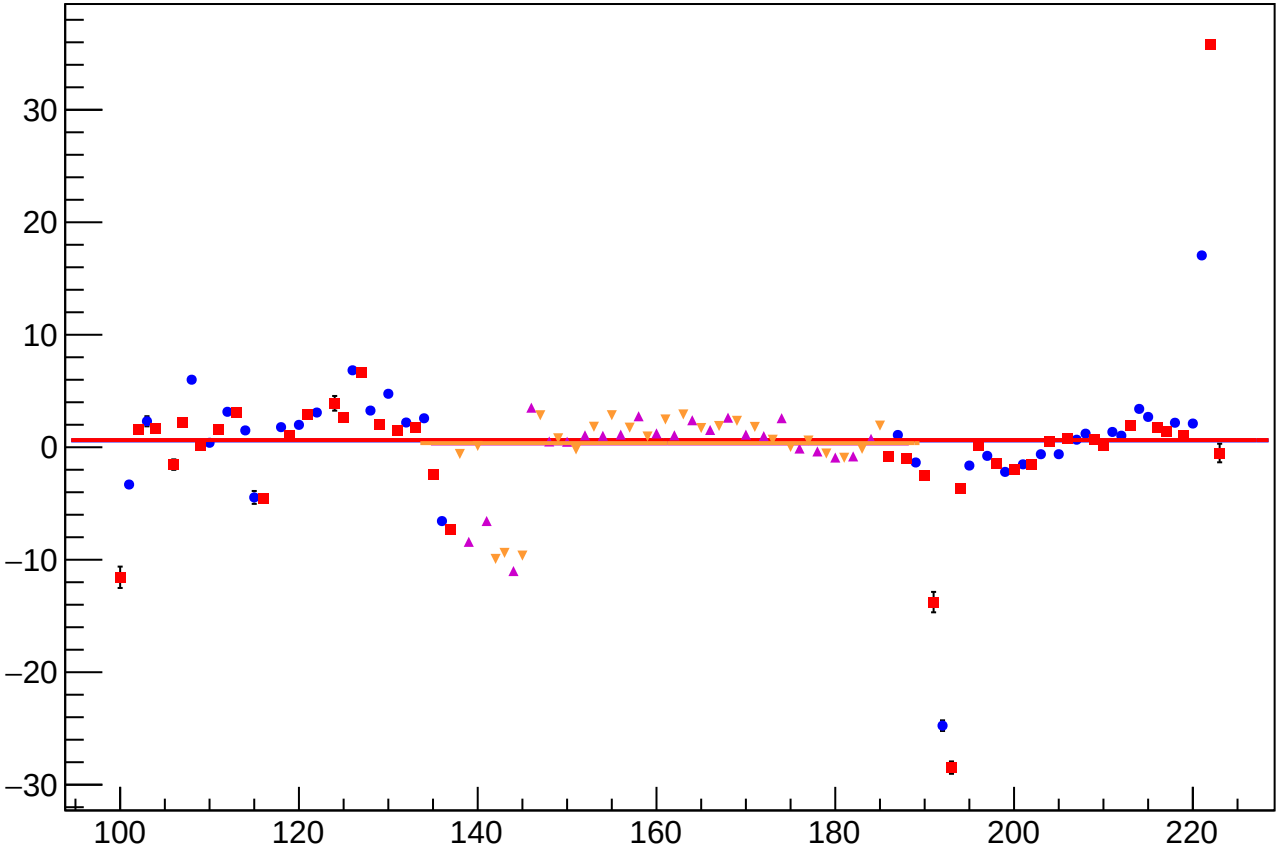
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 2.067+/-0.026 χ^2/NDF: 301069.0/58

All: 1.781+/-0.018 χ^2/NDF: 562204.8/120

- sign 1.522+/-0.024 χ^2/NDF: 260899.8/61

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.607+/-0.043 χ^2/NDF: 8423.9/33

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.639+/-0.041 χ^2/NDF: 15022.7/38

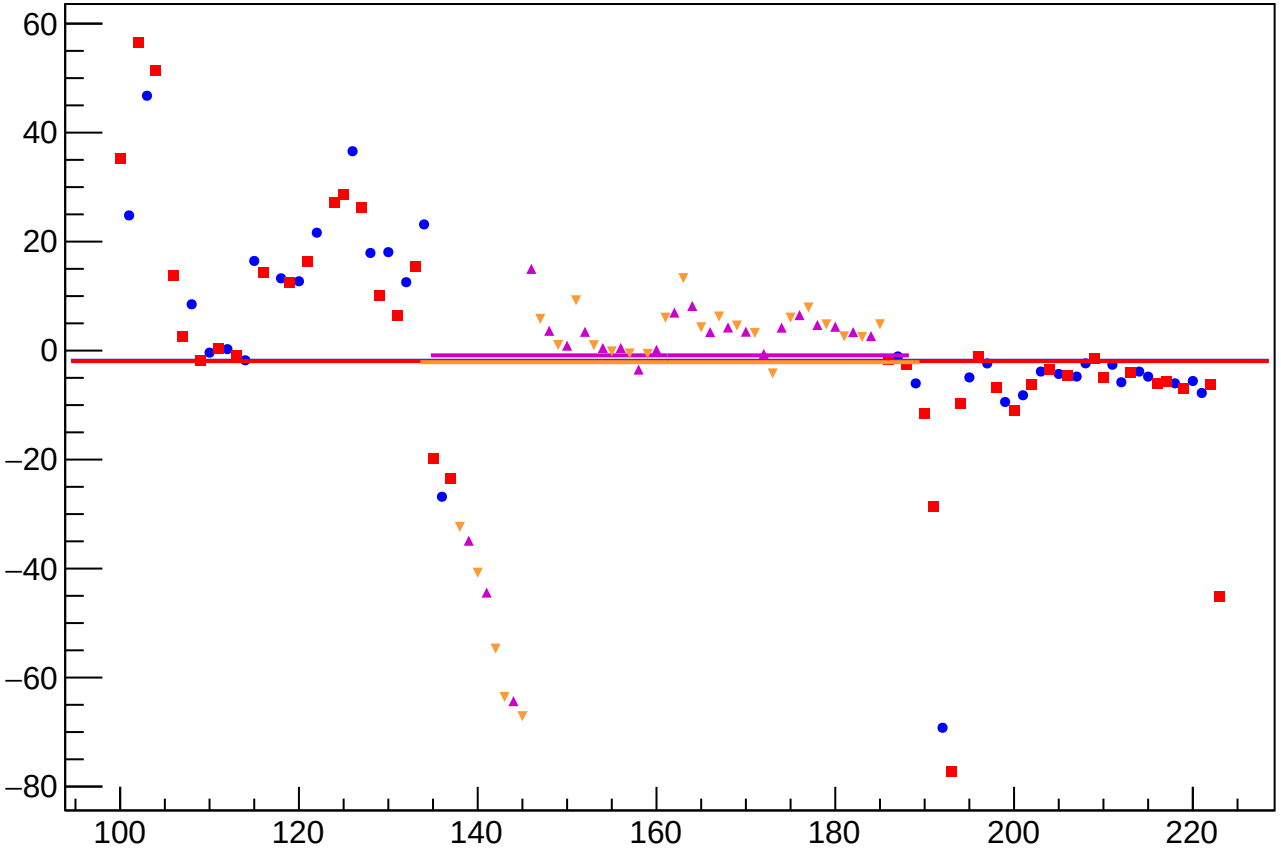
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.455+/-0.026 χ^2/NDF: 15511.3/58

All: 0.451+/-0.018 χ^2/NDF: 37662.1/120

- sign 0.447+/-0.025 χ^2/NDF: 22150.7/61

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.869+/-0.035 χ^2/NDF: 121874.9/33

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.935+/-0.033 χ^2/NDF: 129055.5/38

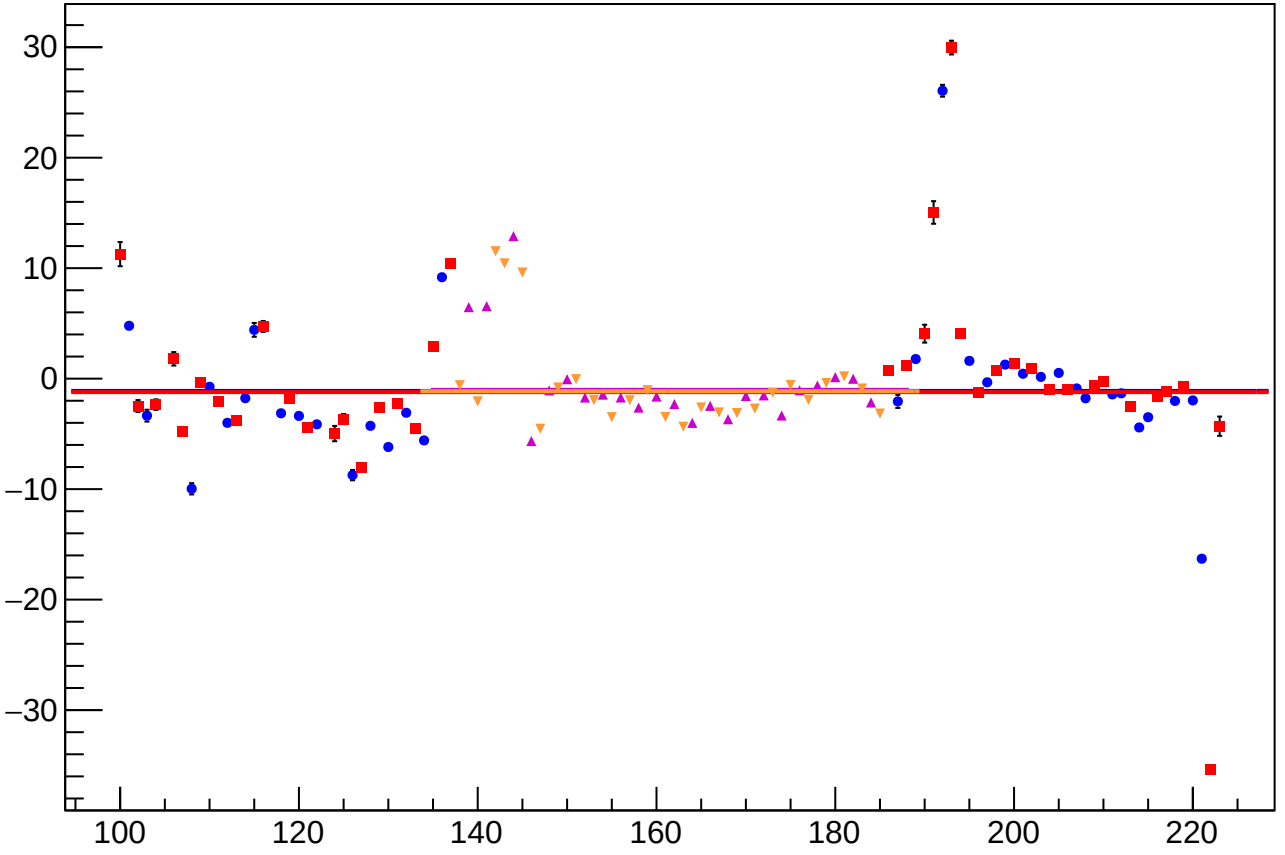
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.982+/-0.026 χ^2/NDF: 293366.3/58

All: -1.730+/-0.018 χ^2/NDF: 552291.1/120

- sign -1.501+/-0.025 χ^2/NDF: 258750.4/61

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.110+/-0.049 χ^2/NDF: 9352.7/33

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.219+/-0.048 χ^2/NDF: 13984.6/38

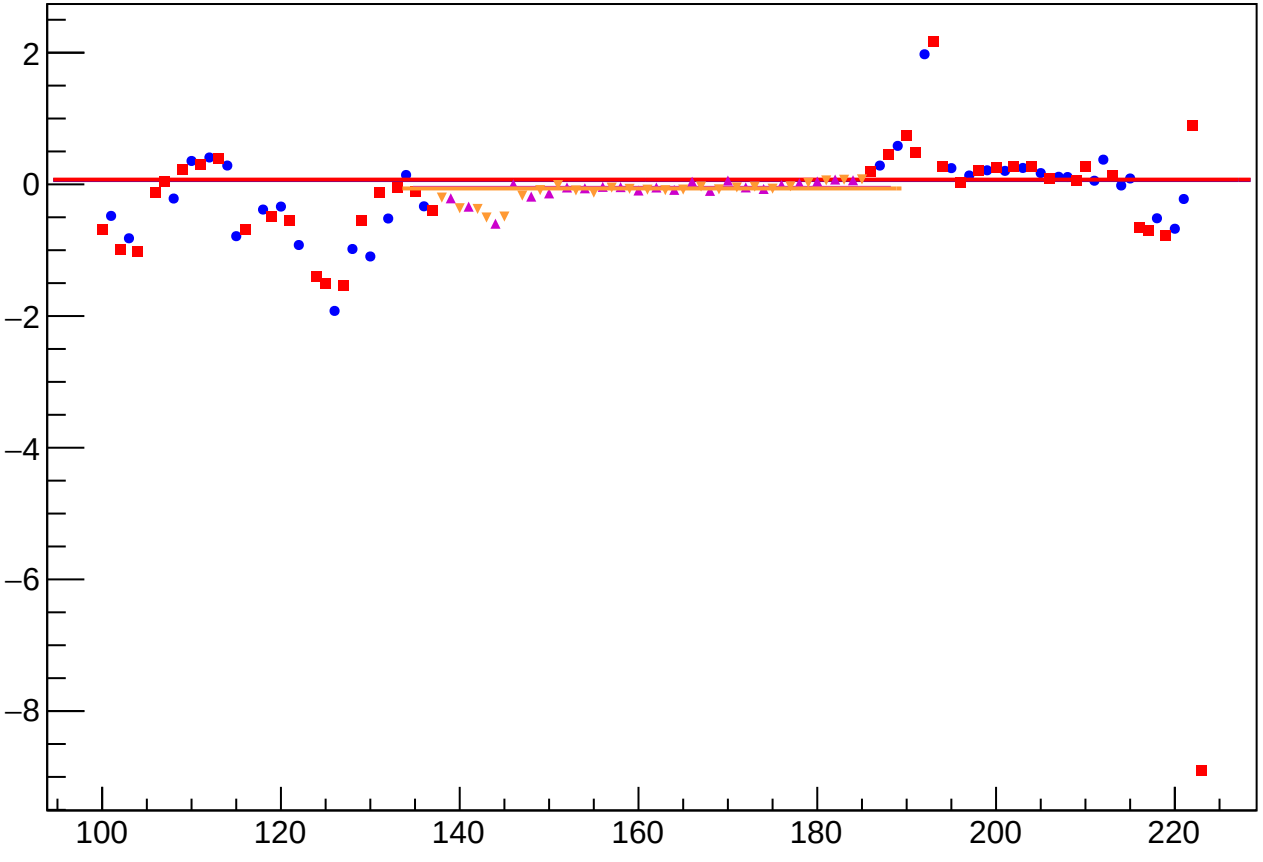
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.129+/-0.029 χ^2/NDF: 16375.9/58

All: -1.106+/-0.020 χ^2/NDF: 37401.0/120

- sign -1.085+/-0.028 χ^2/NDF: 21023.9/61

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.066+/-0.002 χ^2/NDF: 37145.9/33

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.072+/-0.002 χ^2/NDF: 65148.0/38

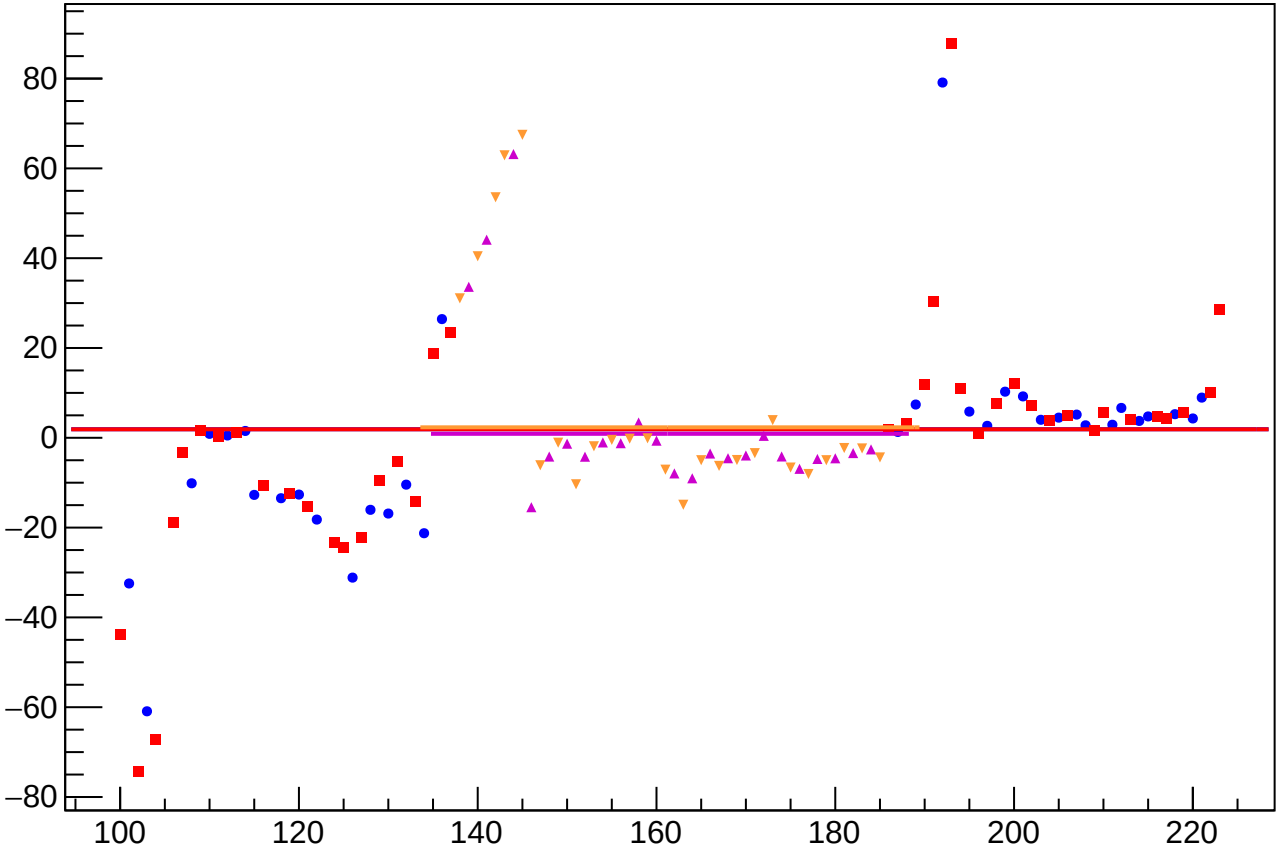
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.019+/-0.001 χ^2/NDF: 45048.1/58

All: -0.016+/-0.001 χ^2/NDF: 117415.8/120

- sign -0.014+/-0.001 χ^2/NDF: 72357.7/61

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.904+/-0.034 χ^2/NDF: 121909.9/33

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.890+/-0.031 χ^2/NDF: 126225.9/38

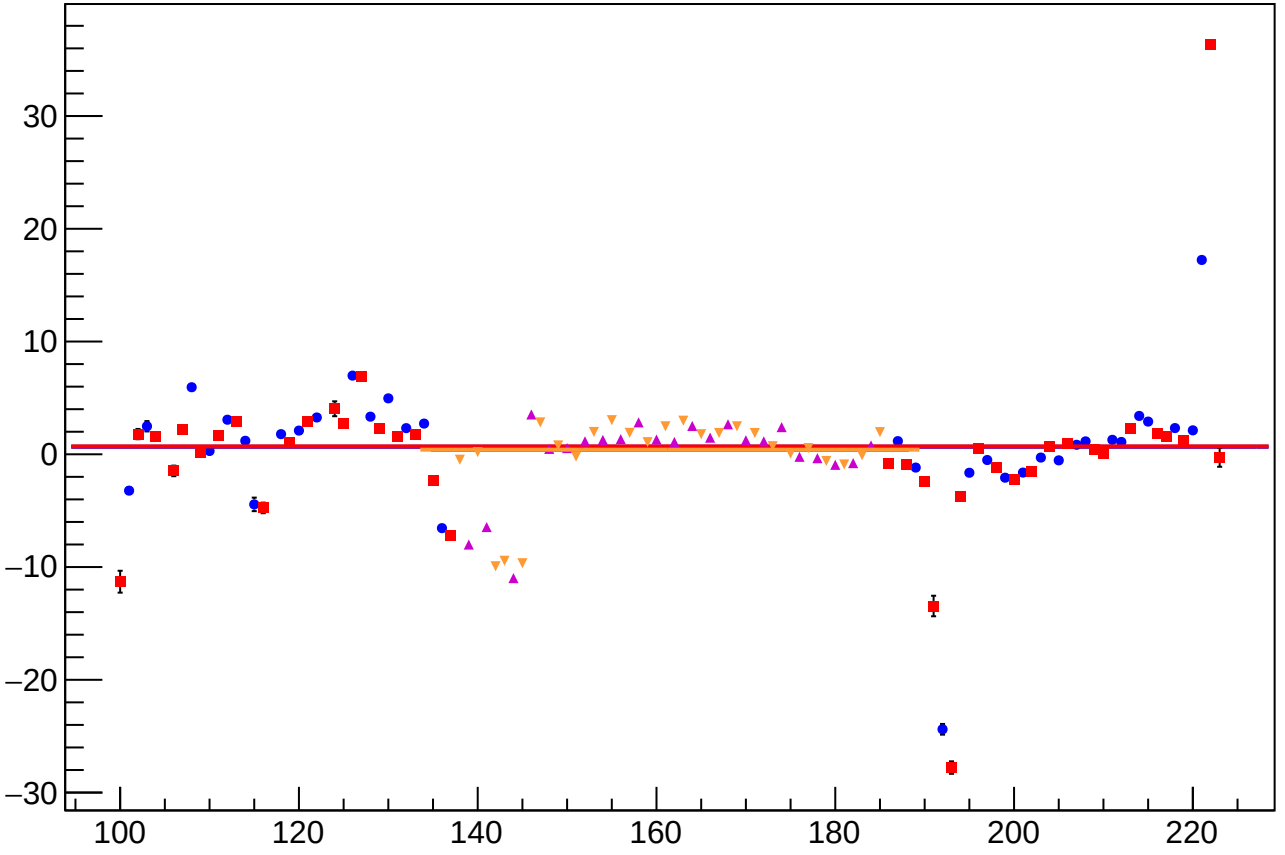
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 2.075+/-0.026 χ^2/NDF: 296621.2/58

All: 1.783+/-0.018 χ^2/NDF: 553885.0/120

- sign 1.517+/-0.025 χ^2/NDF: 257023.7/61

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.668+/-0.044 χ^2/NDF: 8249.2/33

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.700+/-0.042 χ^2/NDF: 14910.8/38

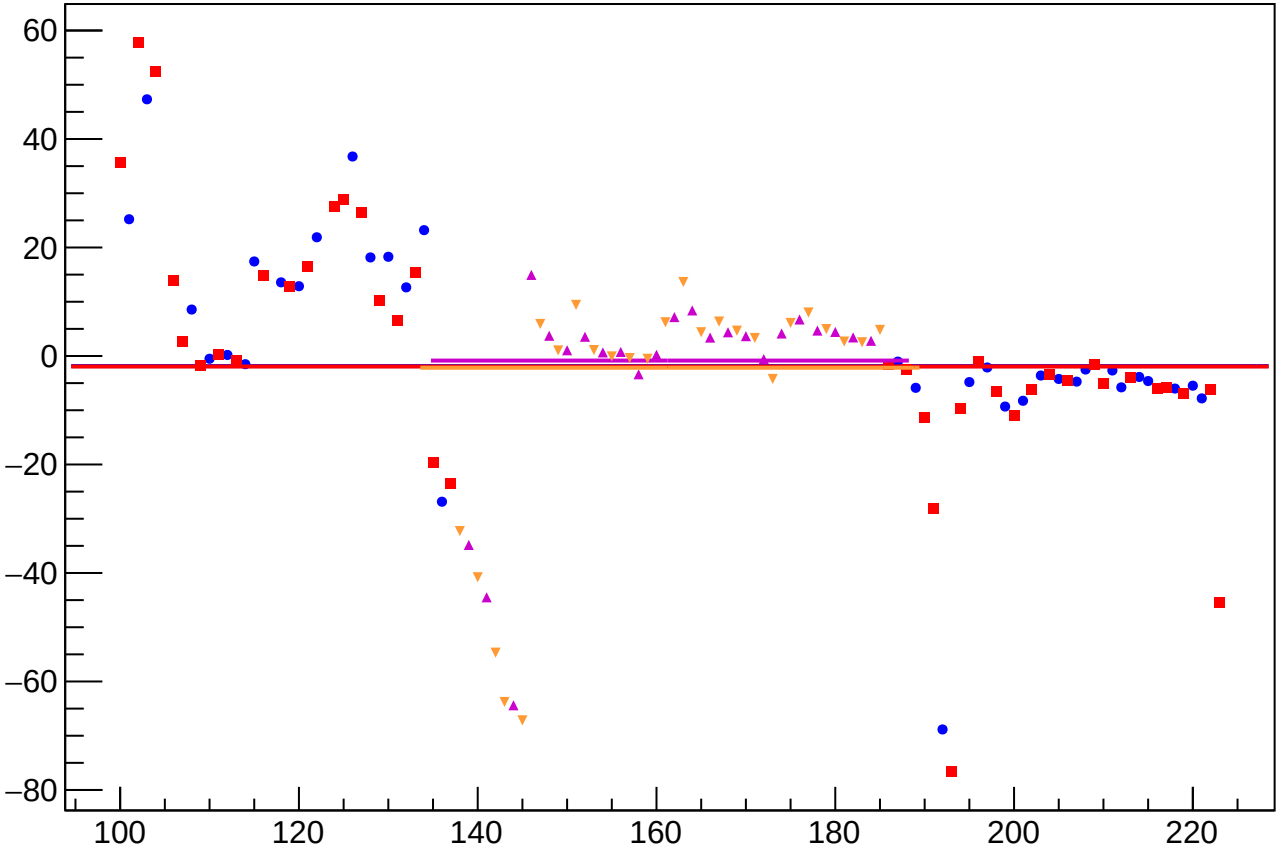
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.505+/-0.027 χ^2/NDF: 15319.1/58

All: 0.507+/-0.018 χ^2/NDF: 37194.8/120

- sign 0.508+/-0.025 χ^2/NDF: 21875.7/61

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.864+/-0.035 χ^2/NDF: 119991.5/33

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.937+/-0.033 χ^2/NDF: 127346.9/38

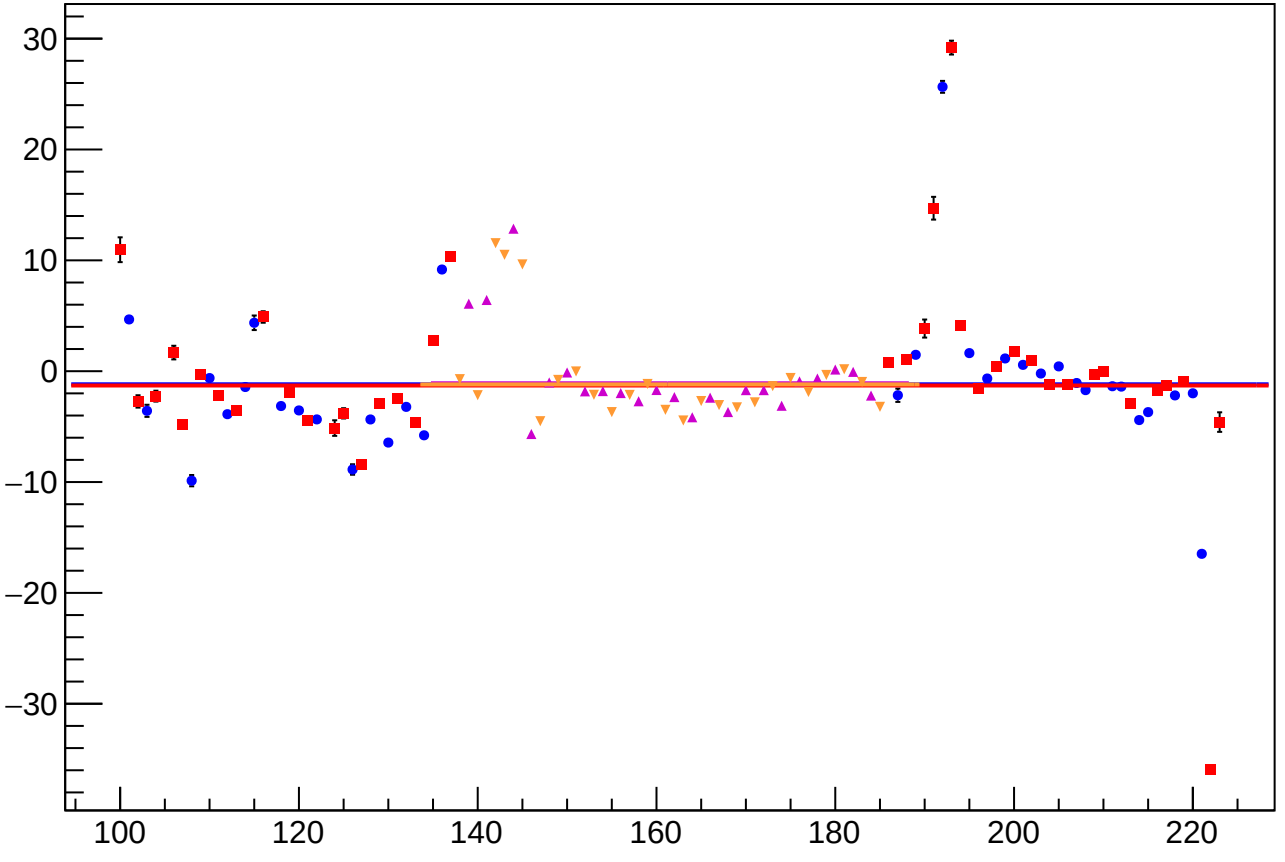
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

\+ sign -1.990+/-0.027 χ^2/NDF: 289012.5/58

All: -1.732+/-0.018 χ^2/NDF: 544116.8/120

\- sign -1.495+/-0.026 χ^2/NDF: 254924.6/61

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.180+/-0.050 χ^2/NDF: 9178.1/33

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.291+/-0.048 χ^2/NDF: 13883.6/38

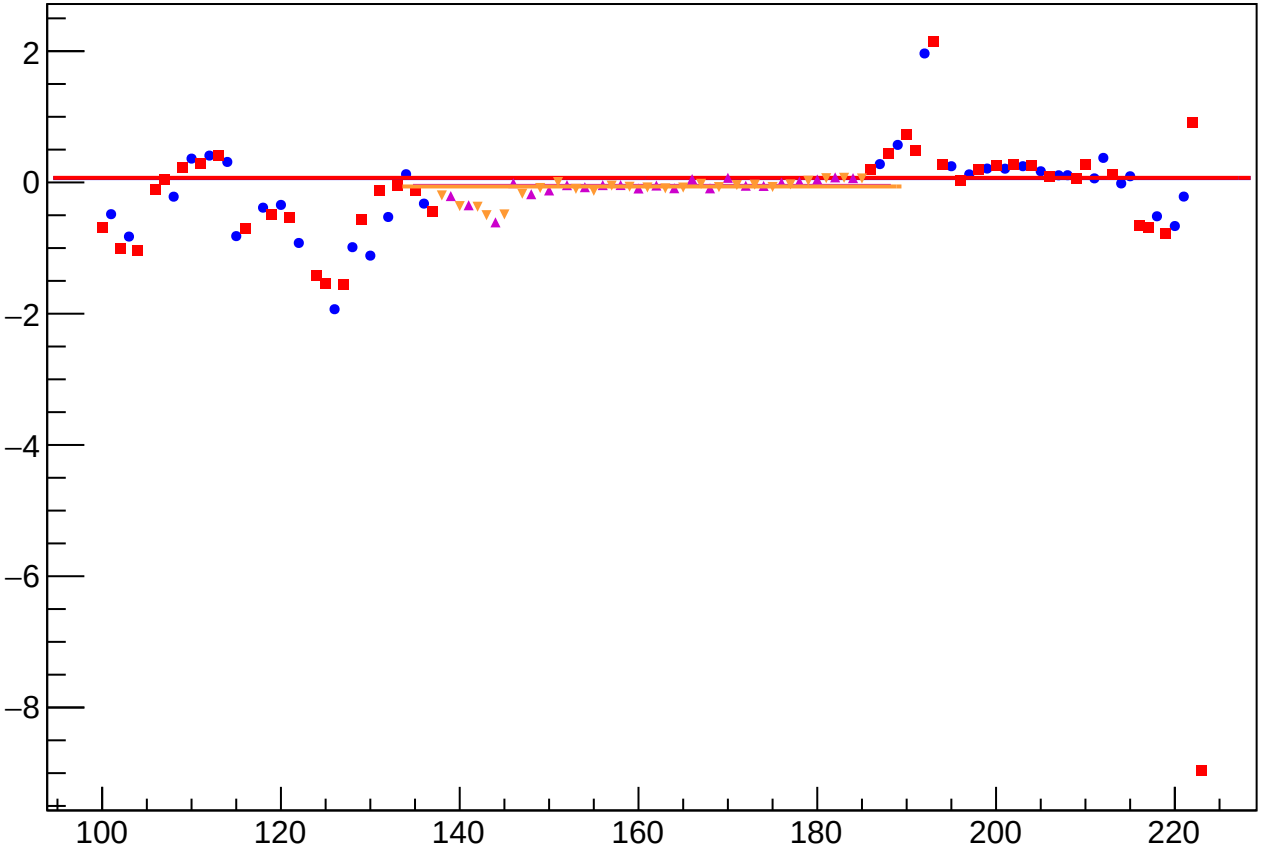
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.187+/-0.030 χ^2/NDF: 16174.1/58

All: -1.173+/-0.021 χ^2/NDF: 36910.2/120

- sign -1.160+/-0.029 χ^2/NDF: 20735.7/61

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.066+/-0.002 χ^2/NDF: 36340.9/33

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.070+/-0.002 χ^2/NDF: 64568.3/38

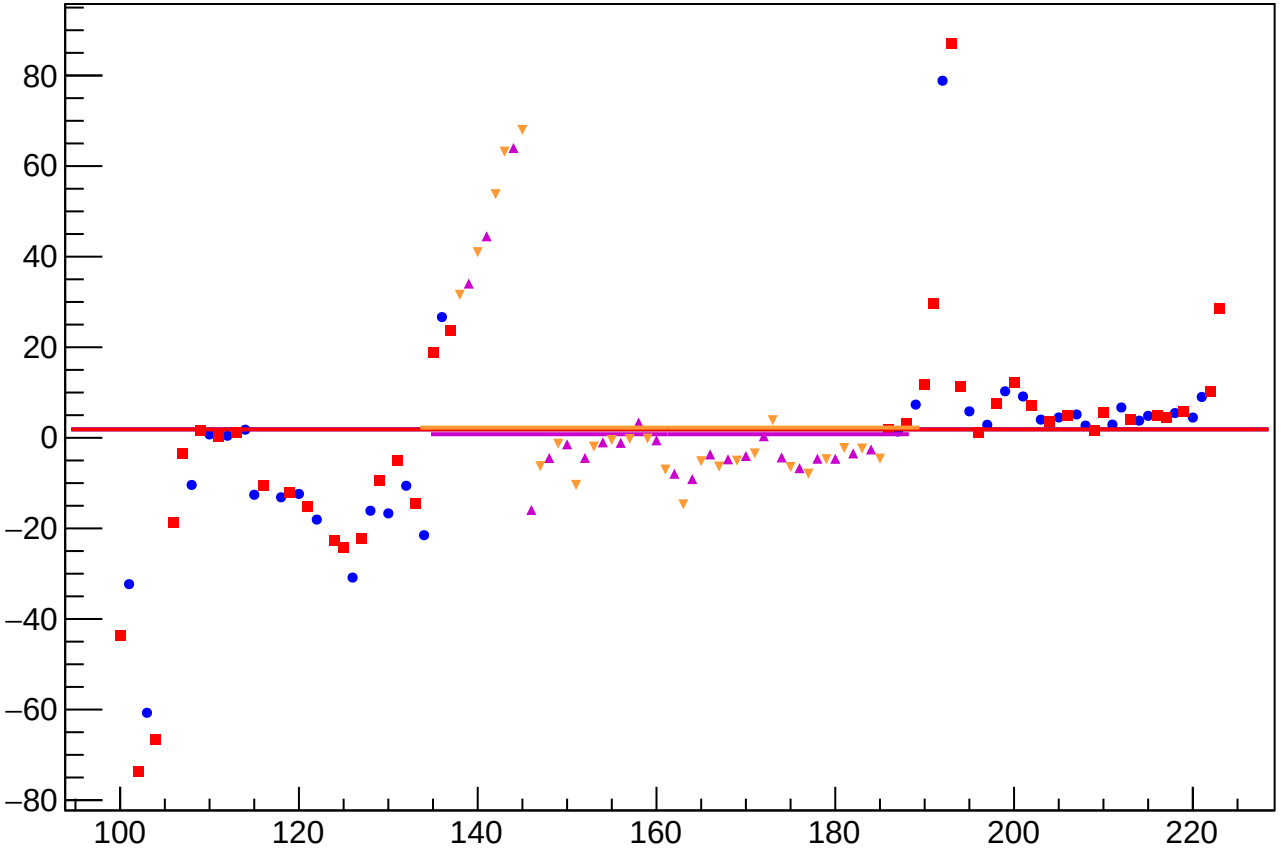
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

\+ sign -0.018+/-0.001 χ^2/NDF: 44015.8/58

All: -0.016+/-0.001 χ^2/NDF: 115694.5/120

\- sign -0.013+/-0.001 χ^2/NDF: 71671.5/61

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.878+/-0.034 χ^2/NDF: 120377.1/33

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.861+/-0.032 χ^2/NDF: 124165.3/38

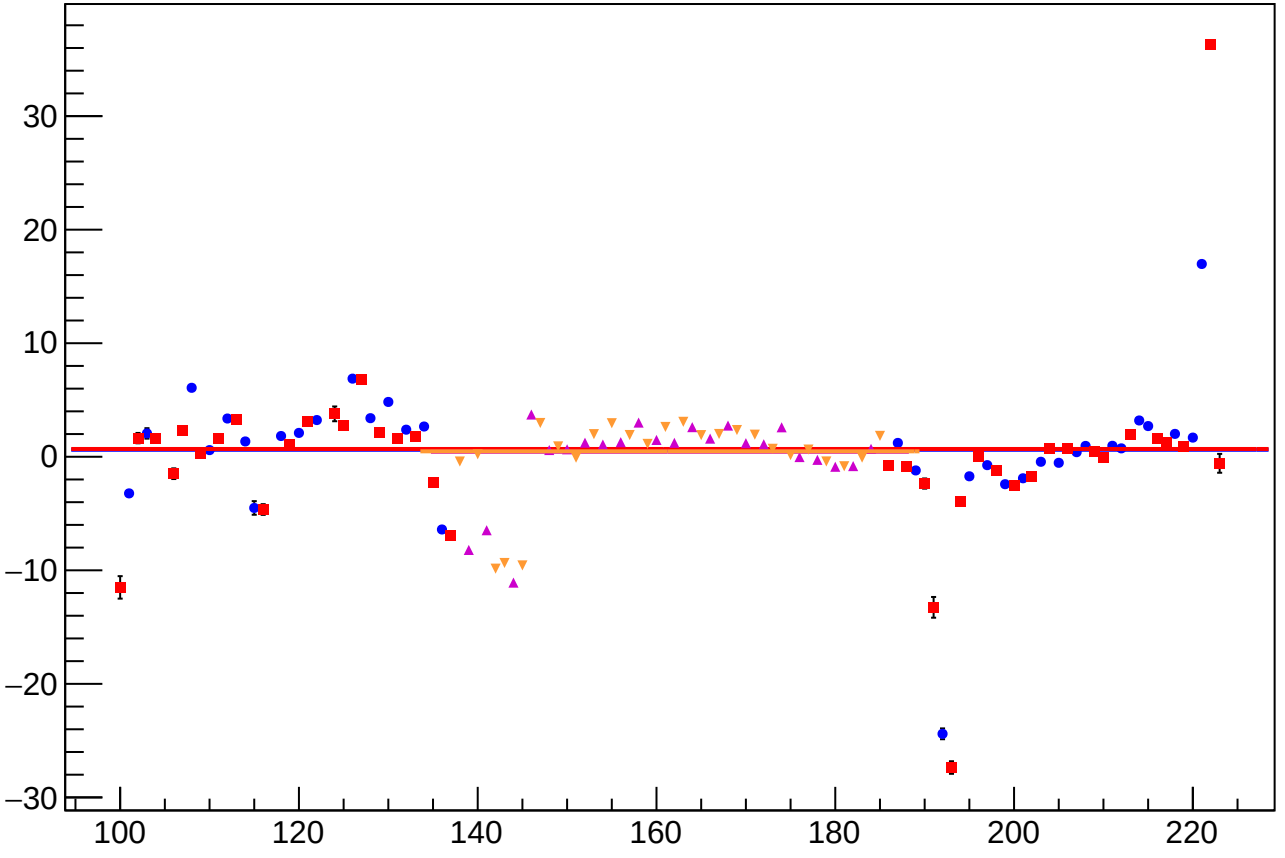
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 2.030+/-0.026 χ^2/NDF: 292097.7/58

All: 1.732+/-0.018 χ^2/NDF: 545755.2/120

- sign 1.461+/-0.025 χ^2/NDF: 253414.2/61

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.617+/-0.044 χ^2/NDF: 8086.1/33

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.686+/-0.043 χ^2/NDF: 14644.2/38

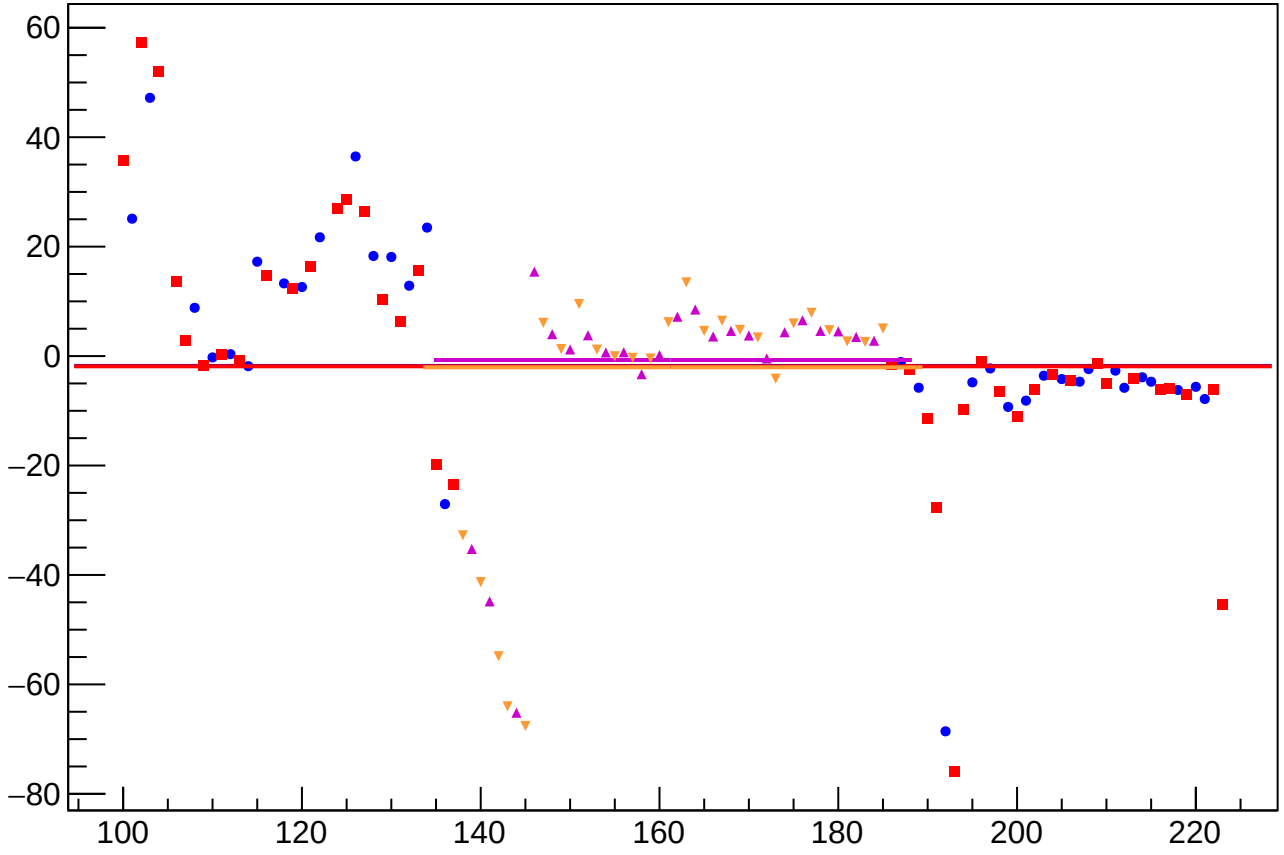
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.530+/-0.027 χ^2/NDF: 14900.3/58

All: 0.530+/-0.019 χ^2/NDF: 36459.5/120

- sign 0.530+/-0.026 χ^2/NDF: 21559.2/61

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -1.802+/-0.036 χ^2/NDF: 118420.0/33

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.868+/-0.034 χ^2/NDF: 125315.0/38

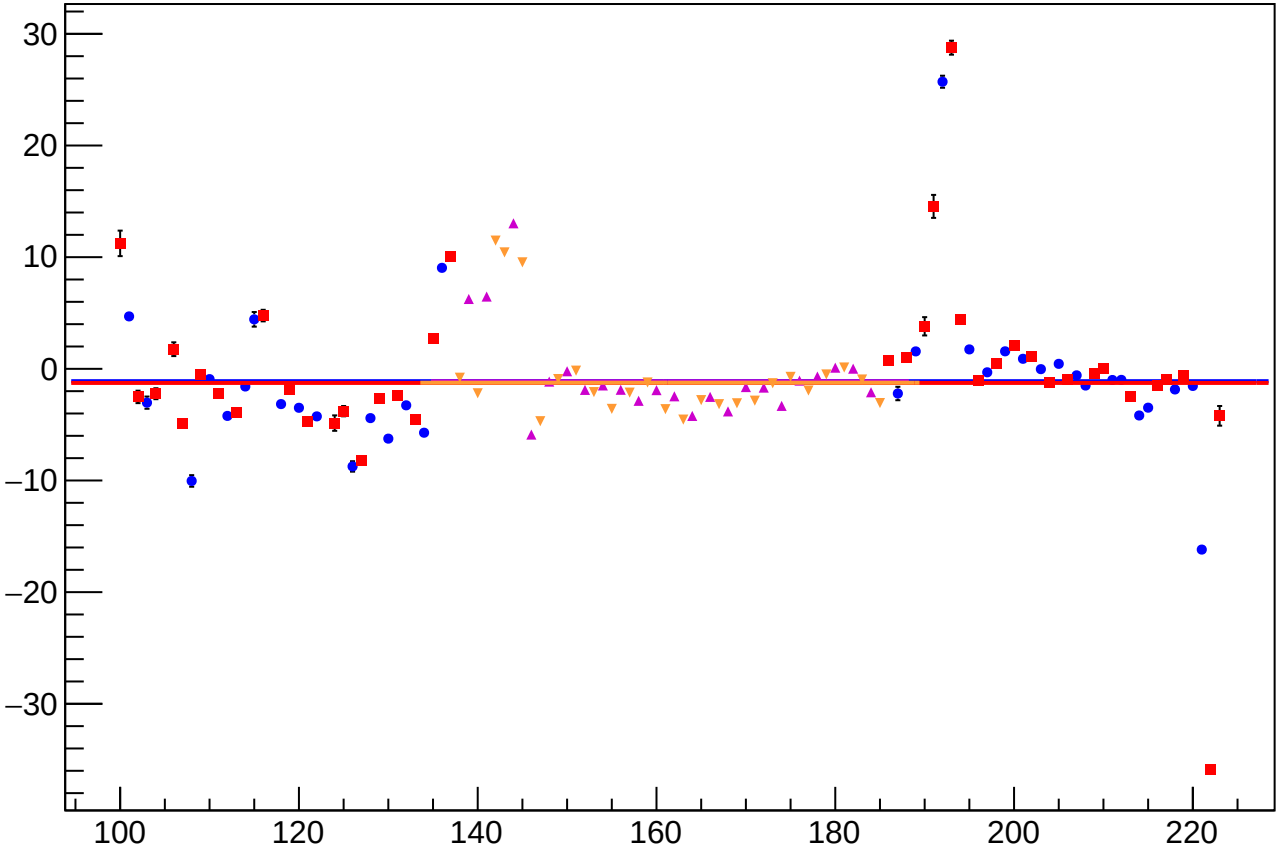
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.907+/-0.027 χ^2/NDF: 284450.5/58

All: -1.644+/-0.019 χ^2/NDF: 535955.0/120

- sign -1.401+/-0.026 χ^2/NDF: 251321.2/61

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.106+/-0.051 χ^2/NDF: 8956.6/33

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.263+/-0.049 χ^2/NDF: 13603.7/38

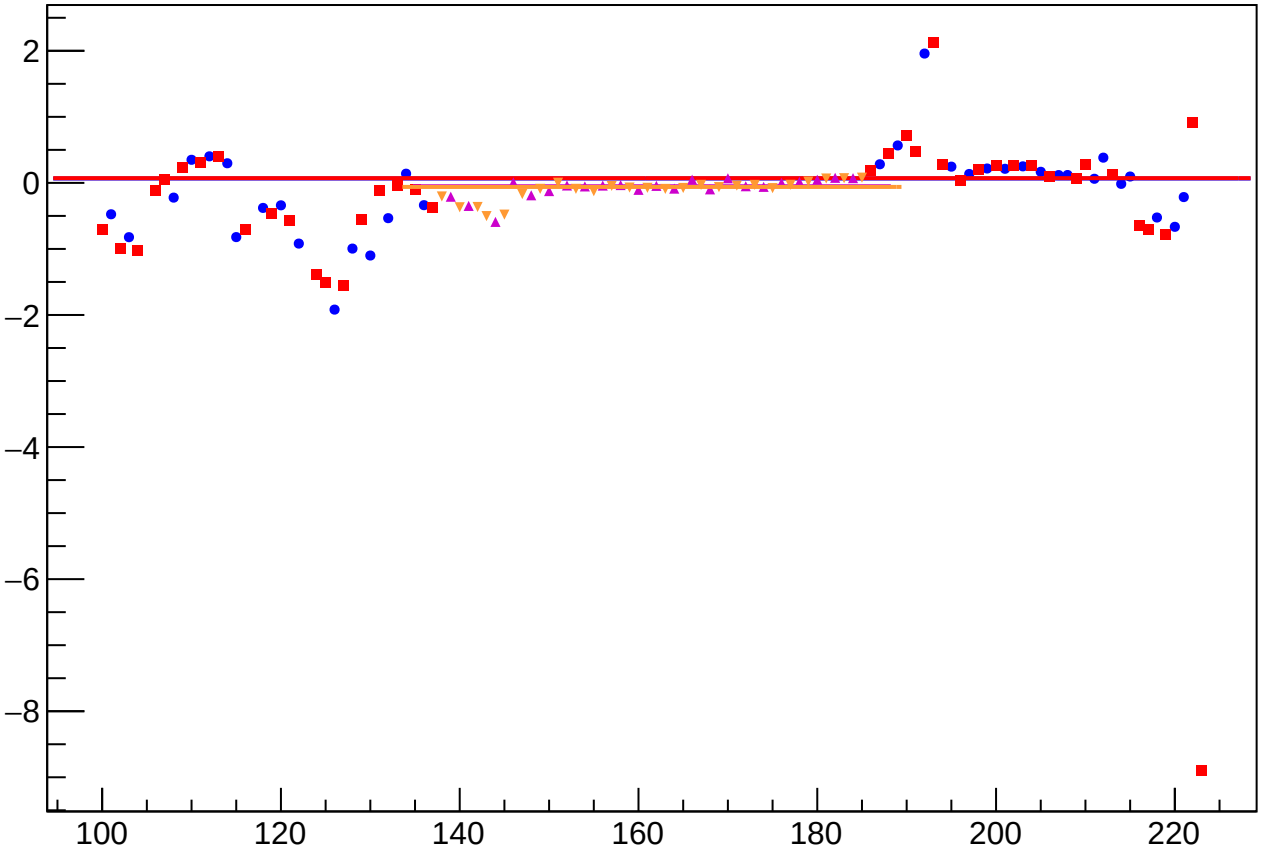
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.195+/-0.030 χ^2/NDF: 15730.2/58

All: -1.181+/-0.021 χ^2/NDF: 36180.3/120

- sign -1.168+/-0.029 χ^2/NDF: 20449.8/61

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.066+/-0.002 χ^2/NDF: 35991.7/33

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

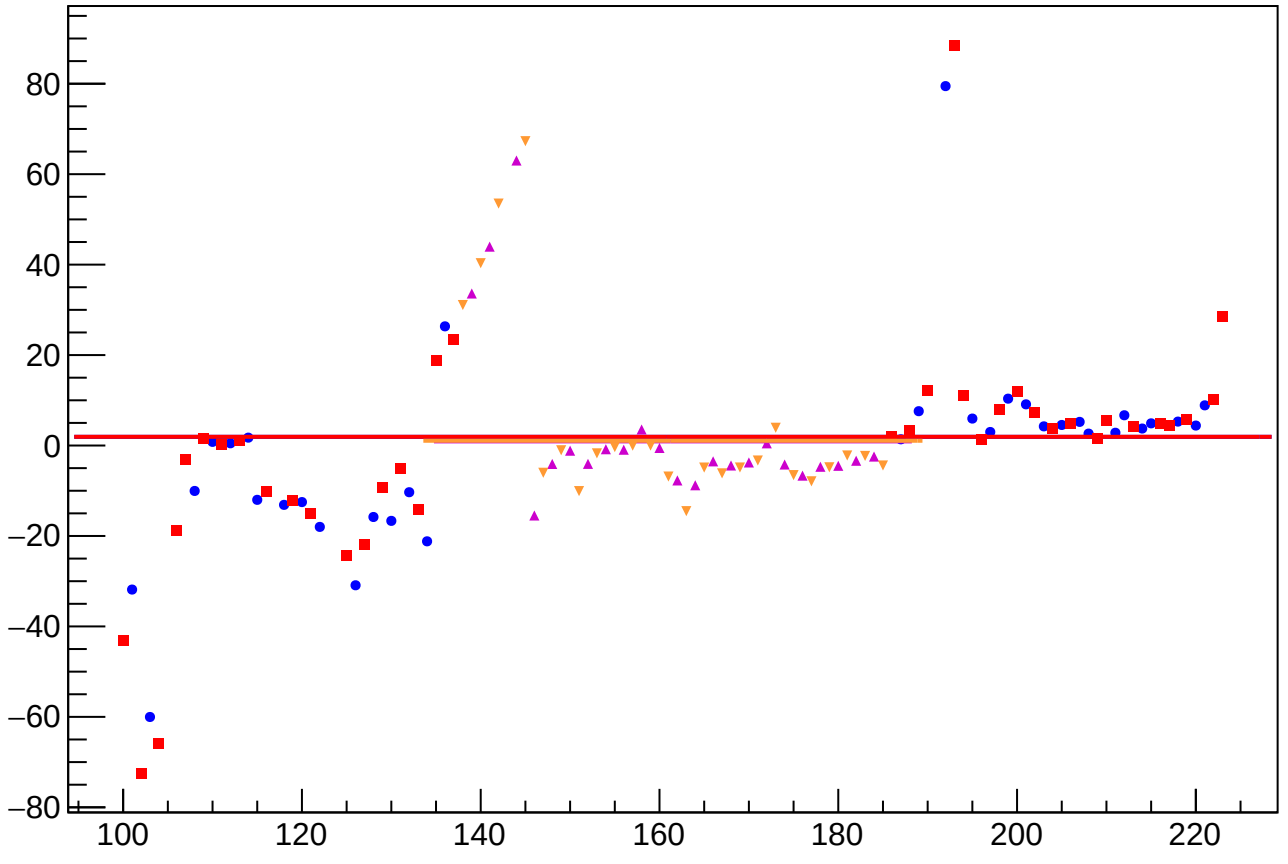
Right Out: 0.072+/-0.002 χ^2/NDF: 63373.5/38

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.018+/-0.001 χ^2/NDF: 43513.1/58

All: -0.015+/-0.001 χ^2/NDF: 113784.5/120

- sign -0.012+/-0.001 χ^2/NDF: 70259.4/61



Right In: 1.921+/-0.033 χ^2/NDF: 124049.8/33

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

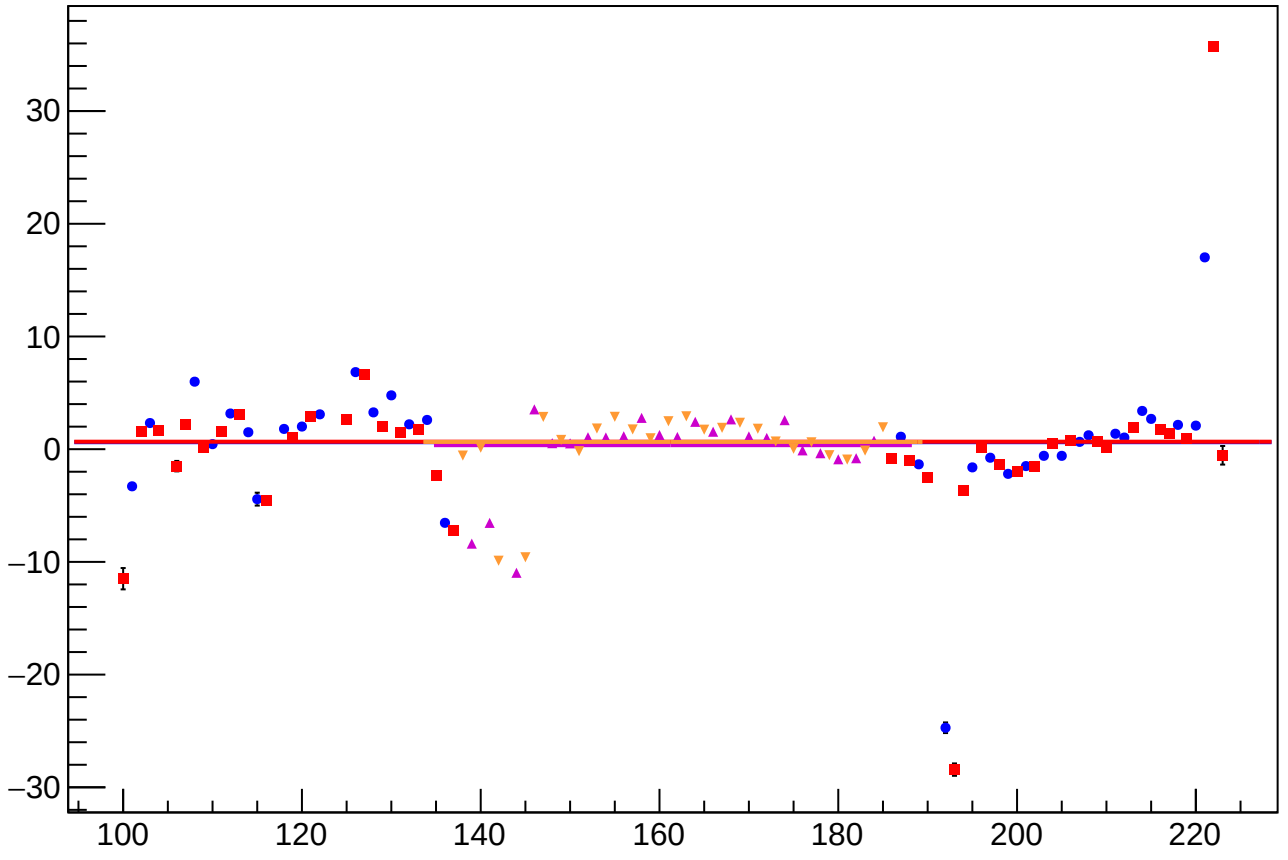
Right Out: 1.928+/-0.031 χ^2/NDF: 125222.8/36

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 1.573+/-0.026 χ^2/NDF: 255354.4/57

All: 1.559+/-0.018 χ^2/NDF: 513792.1/117

- sign 1.548+/-0.024 χ^2/NDF: 258437.2/59



Right In: 0.618+/-0.043 χ^2/NDF: 8435.4/33

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

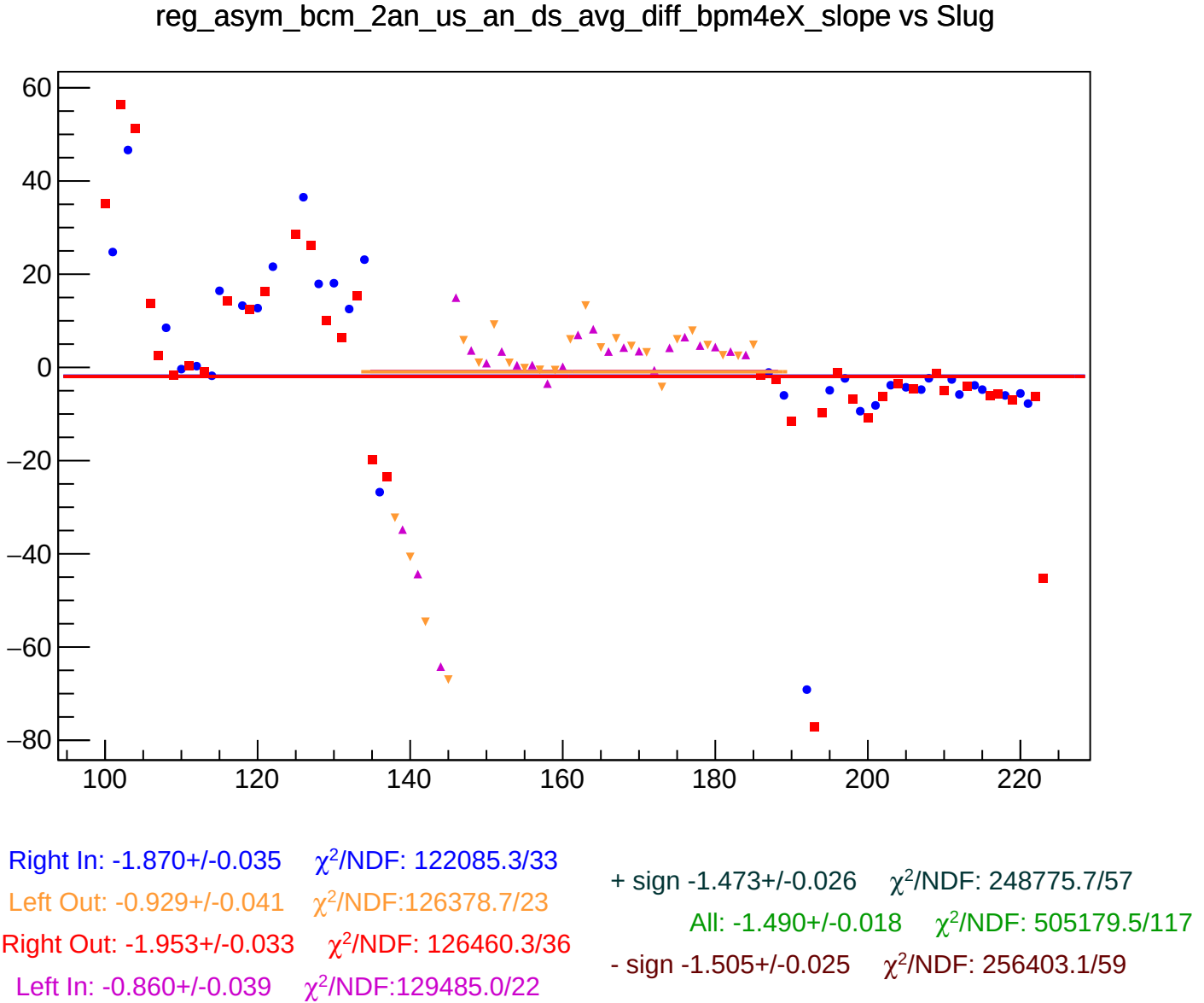
Right Out: 0.665+/-0.041 χ^2/NDF: 14759.7/36

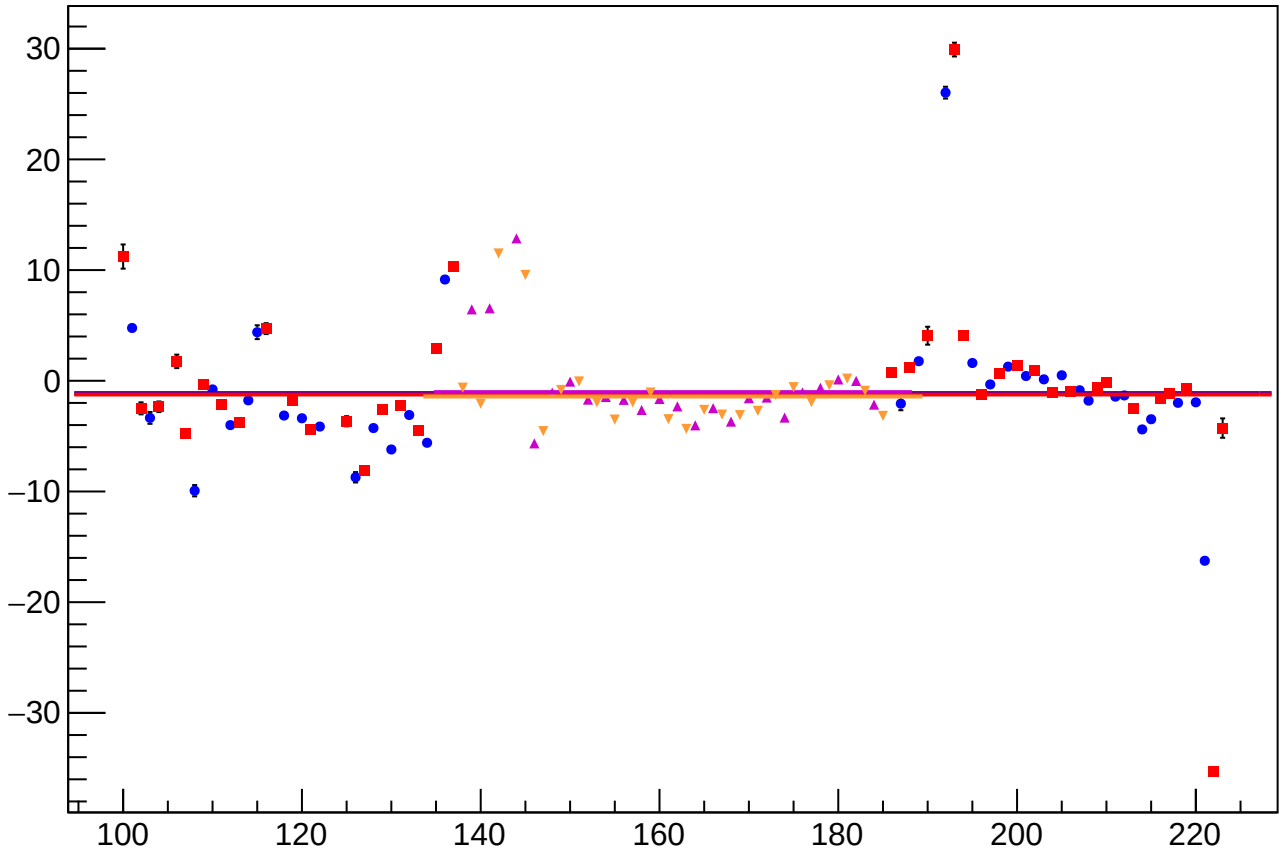
Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.634+/-0.026 χ^2/NDF: 13146.6/57

All: 0.547+/-0.018 χ^2/NDF: 35079.9/117

- sign 0.468+/-0.025 χ^2/NDF: 21912.2/59


reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
220
Right In: -1.870+/-0.035 χ²/NDF: 122085.3/33
Left Out: -0.929+/-0.041 χ²/NDF:126378.7/23
Right Out: -1.953+/-0.033 χ²/NDF: 126460.3/36
Left In: -0.860+/-0.039 χ²/NDF:129485.0/22
+ sign -1.473+/-0.026 χ²/NDF: 248775.7/57
All: -1.490+/-0.018 χ²/NDF: 505179.5/117
- sign -1.505+/-0.025 χ²/NDF: 256403.1/59



Right In: -1.115+/-0.049 χ^2/NDF: 9365.9/33

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

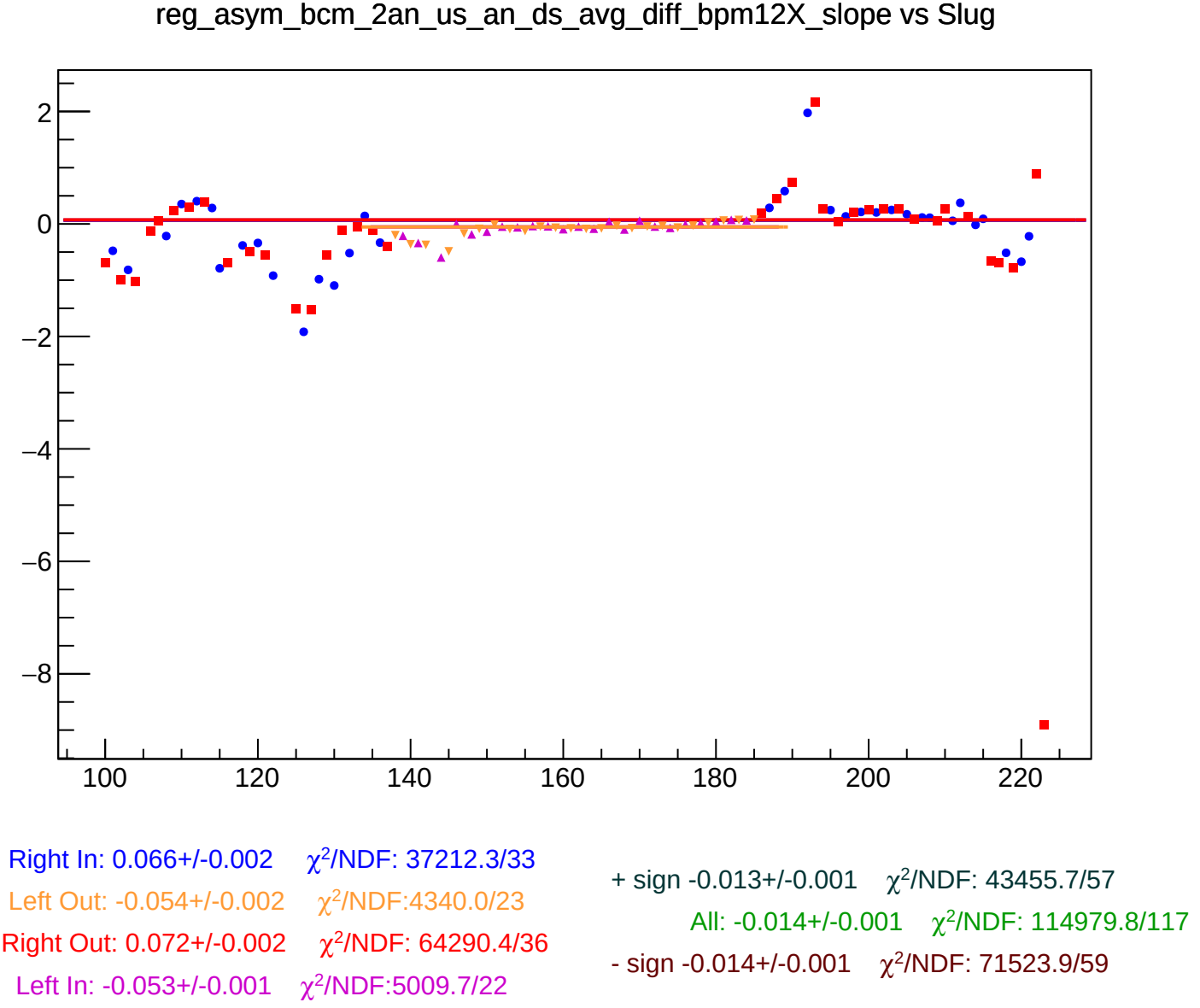
Right Out: -1.237+/-0.048 χ^2/NDF: 13714.0/36

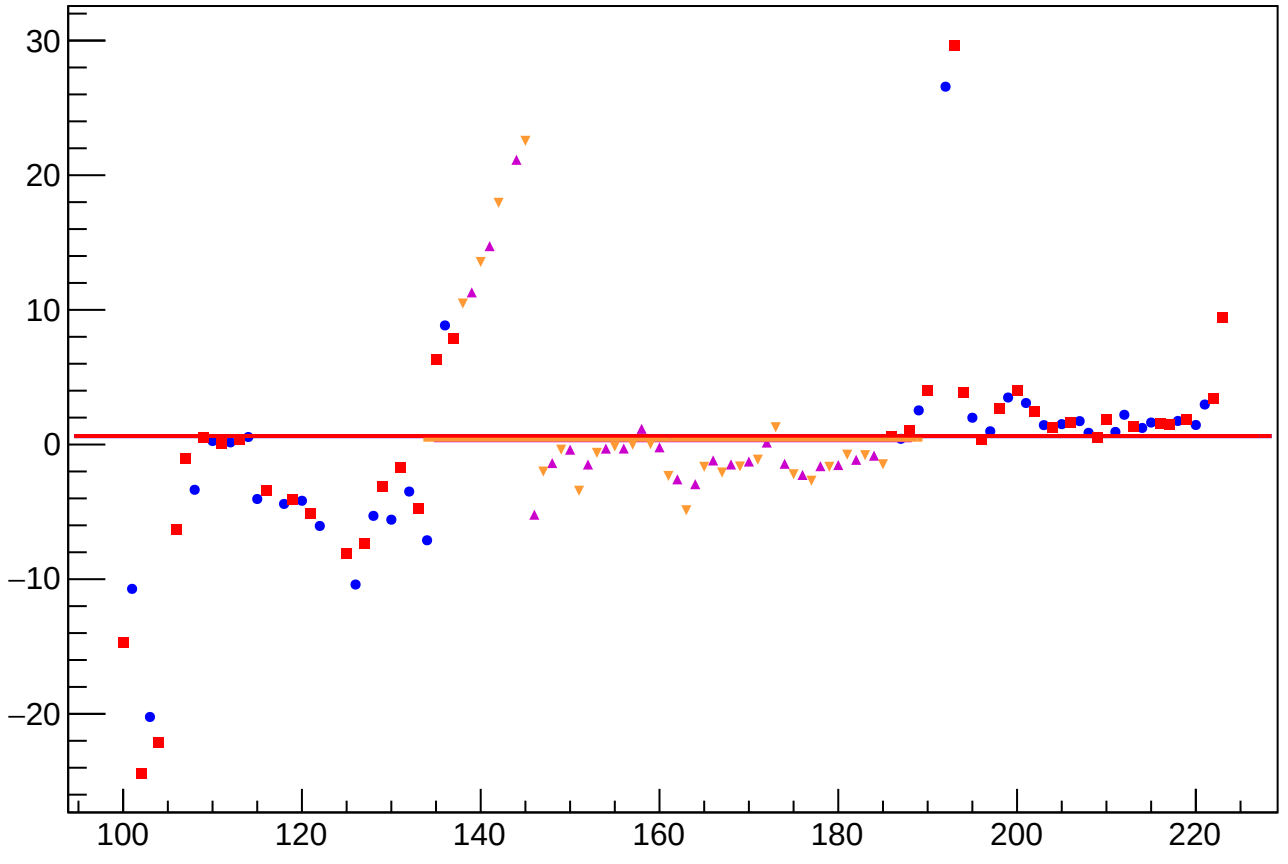
Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.311+/-0.029 χ^2/NDF: 14032.6/57

All: -1.200+/-0.020 χ^2/NDF: 34833.8/117

- sign -1.099+/-0.028 χ^2/NDF: 20773.9/59


reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.066+/-0.002 χ²/NDF: 37212.3/33
Left Out: -0.054+/-0.002 χ²/NDF:4340.0/23
Right Out: 0.072+/-0.002 χ²/NDF: 64290.4/36
Left In: -0.053+/-0.001 χ²/NDF:5009.7/22
+ sign -0.013+/-0.001 χ²/NDF: 43455.7/57
All: -0.014+/-0.001 χ²/NDF: 114979.8/117
- sign -0.014+/-0.001 χ²/NDF: 71523.9/59



Right In: 0.622+/-0.011 χ^2/NDF: 121902.7/33

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

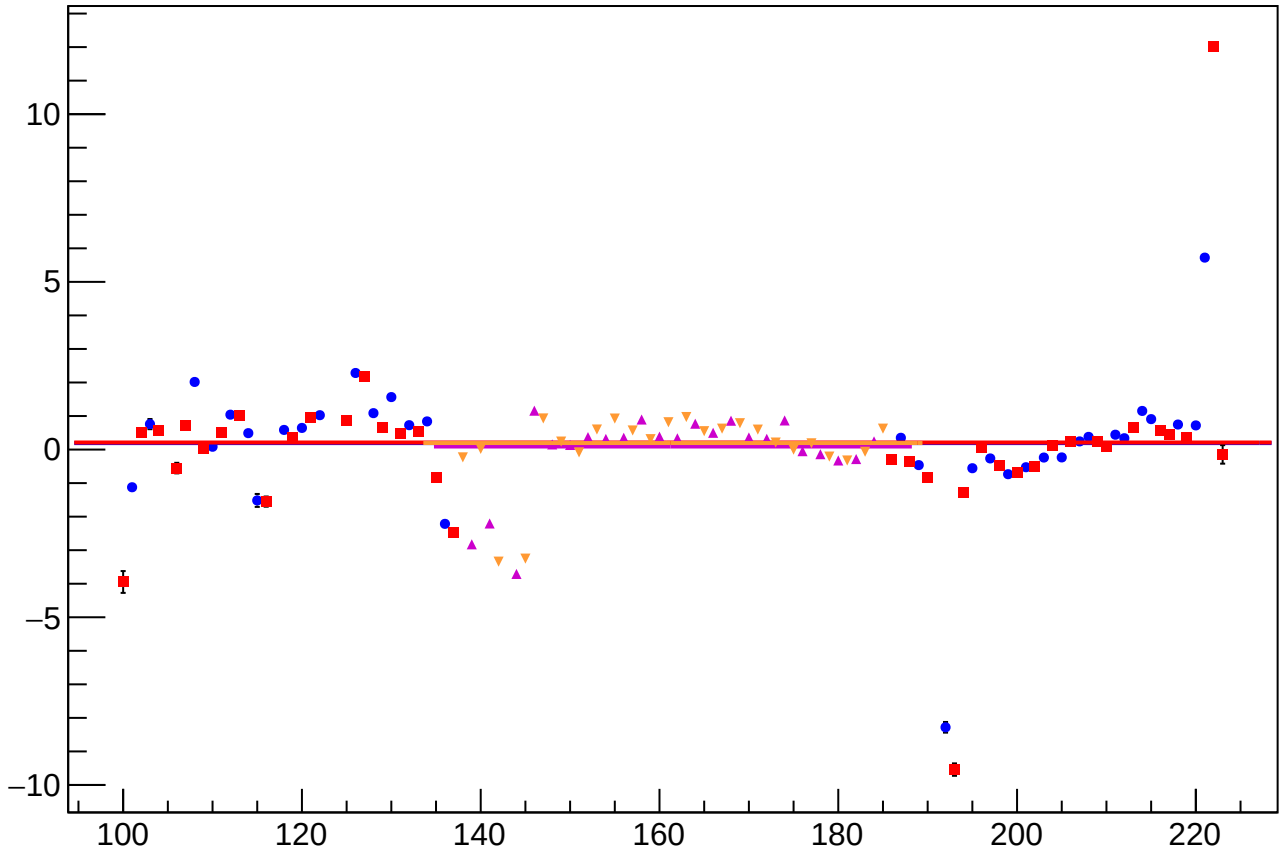
Right Out: 0.630+/-0.011 χ^2/NDF: 123203.1/36

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

\+ sign 0.516+/-0.009 χ^2/NDF: 250947.4/57

All: 0.514+/-0.006 χ^2/NDF: 504702.4/117

\- sign 0.512+/-0.008 χ^2/NDF: 253754.9/59



Right In: 0.193+/-0.015 χ^2/NDF: 8298.8/33

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

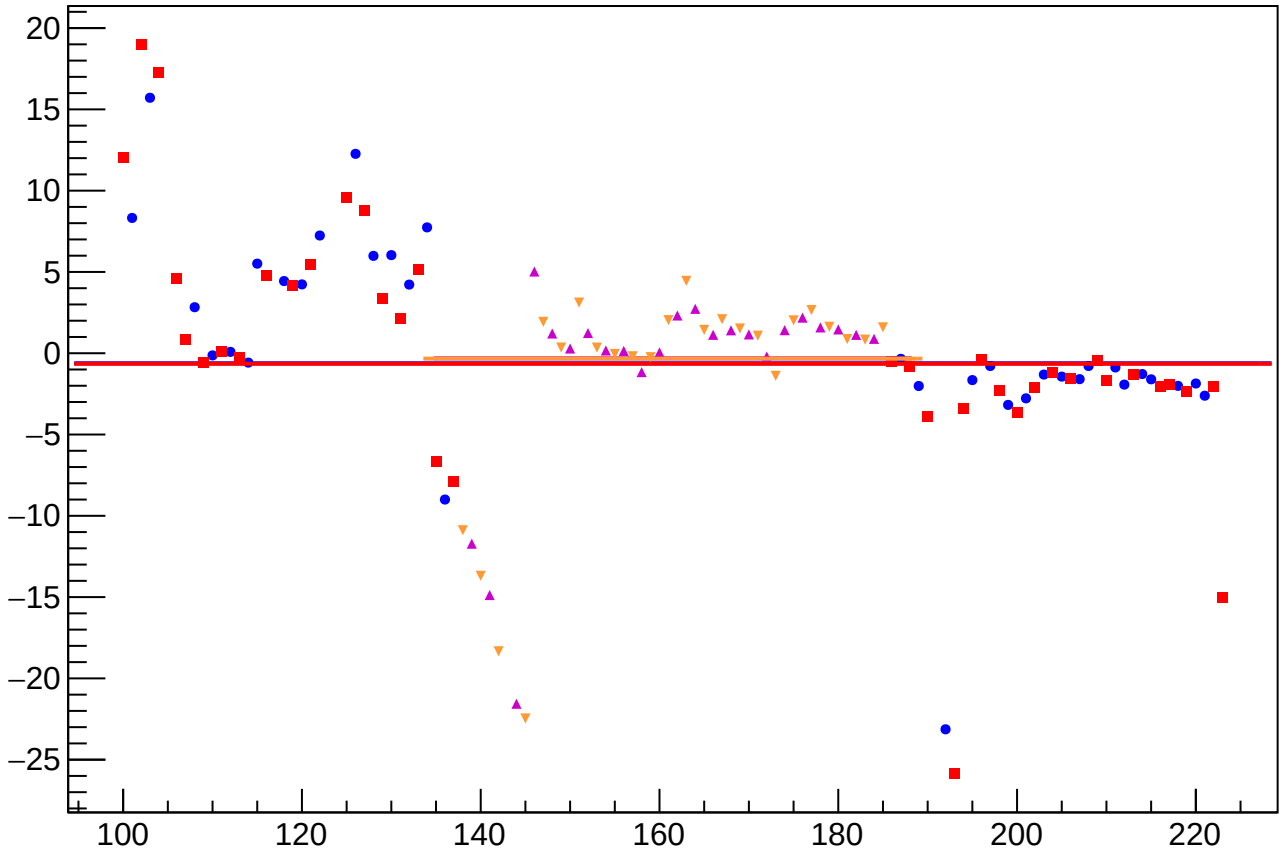
Right Out: 0.211+/-0.014 χ^2/NDF: 14565.4/36

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.194+/-0.009 χ^2/NDF: 12943.8/57

All: 0.163+/-0.006 χ^2/NDF: 34513.5/117

- sign 0.135+/-0.009 χ^2/NDF: 21547.0/59



Right In: -0.618+/-0.012 χ^2/NDF: 119999.1/33

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

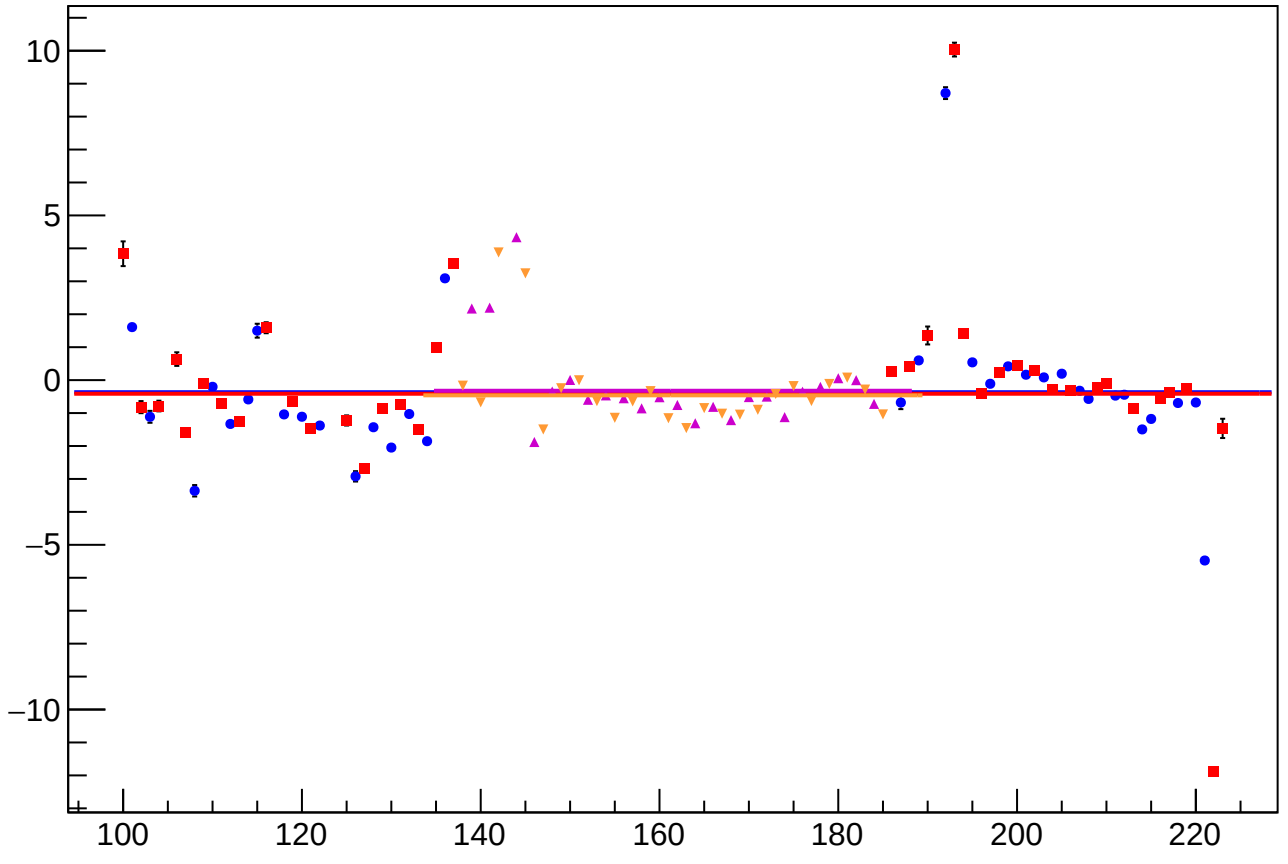
Right Out: -0.648+/-0.011 χ^2/NDF: 124490.7/36

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.497+/-0.009 χ^2/NDF: 244477.2/57

All: -0.505+/-0.006 χ^2/NDF: 496334.4/117

- sign -0.512+/-0.009 χ^2/NDF: 251855.8/59



Right In: -0.367+/-0.017 χ^2/NDF: 9204.9/33

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

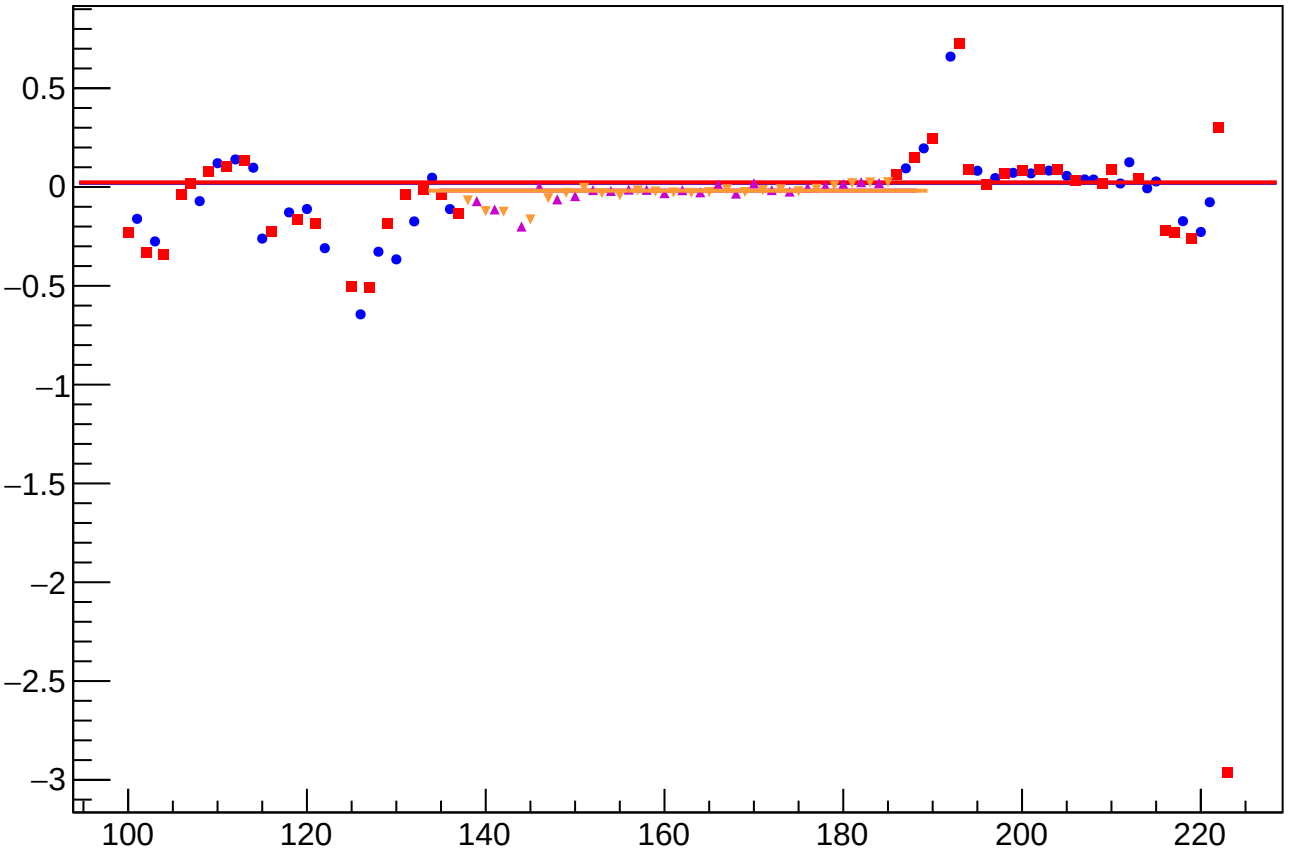
Right Out: -0.413+/-0.016 χ^2/NDF: 13532.7/36

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.428+/-0.010 χ^2/NDF: 13805.3/57

All: -0.390+/-0.007 χ^2/NDF: 34267.6/117

- sign -0.354+/-0.010 χ^2/NDF: 20434.4/59



Right In: 0.021+/-0.001 χ^2/NDF: 36566.2/33

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

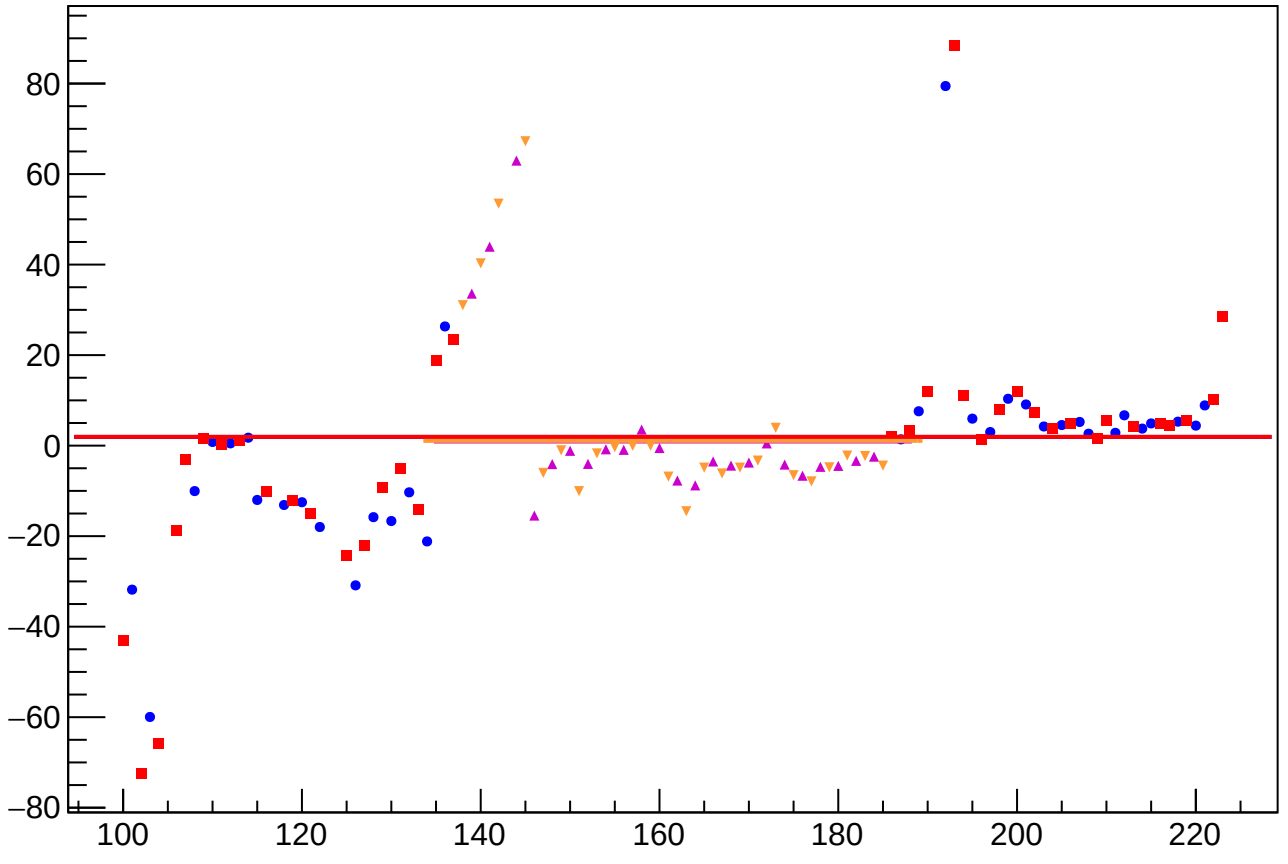
Right Out: 0.023+/-0.001 χ^2/NDF: 63265.2/36

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

\+ sign -0.005+/-0.000 χ^2/NDF: 42579.0/57

All: -0.005+/-0.000 χ^2/NDF: 112776.6/117

\- sign -0.005+/-0.000 χ^2/NDF: 70197.6/59



Right In: 1.926+/-0.033 χ^2/NDF: 124077.7/33

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

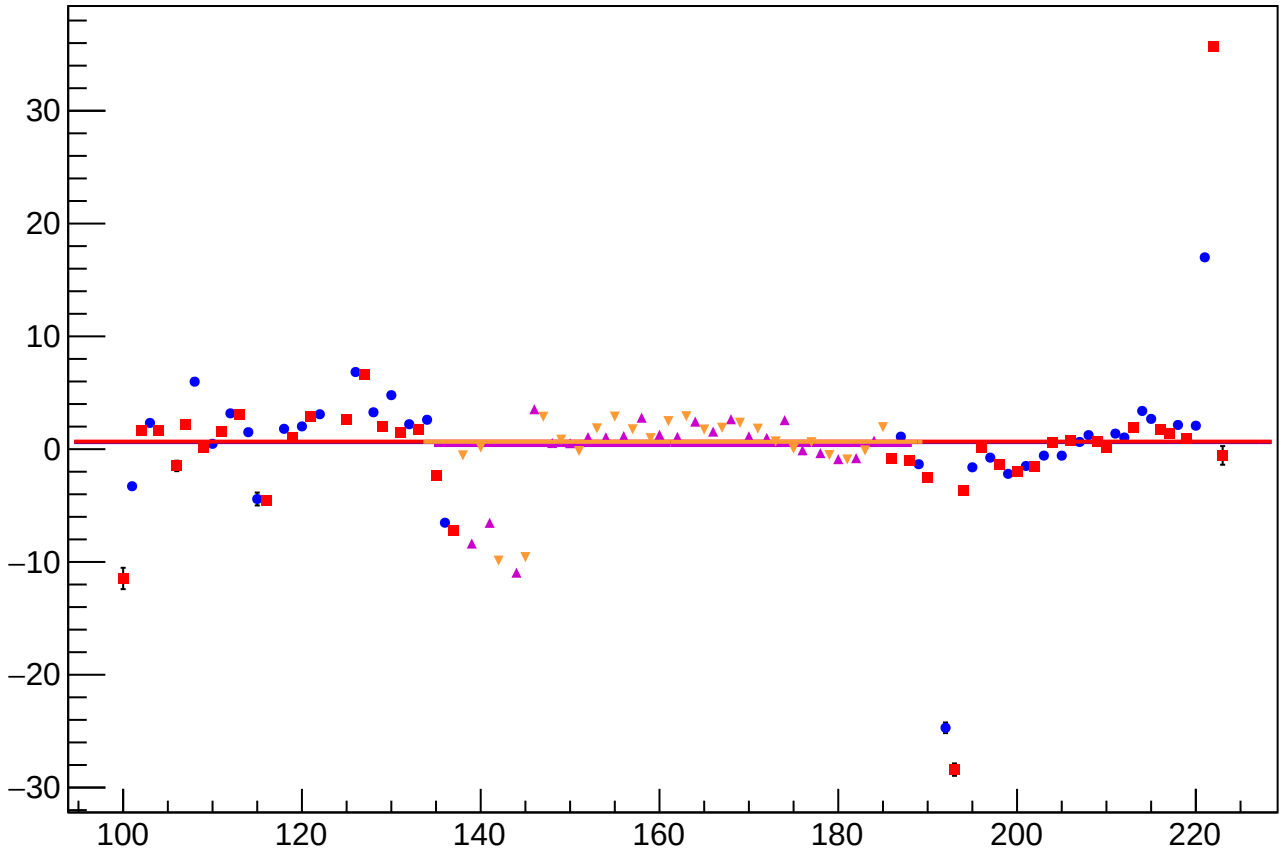
Right Out: 1.933+/-0.031 χ^2/NDF: 125256.5/36

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 1.578+/-0.026 χ^2/NDF: 255363.1/57

All: 1.564+/-0.018 χ^2/NDF: 513845.2/117

- sign 1.552+/-0.024 χ^2/NDF: 258481.6/59



Right In: 0.624+/-0.043 χ^2/NDF: 8435.2/33

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

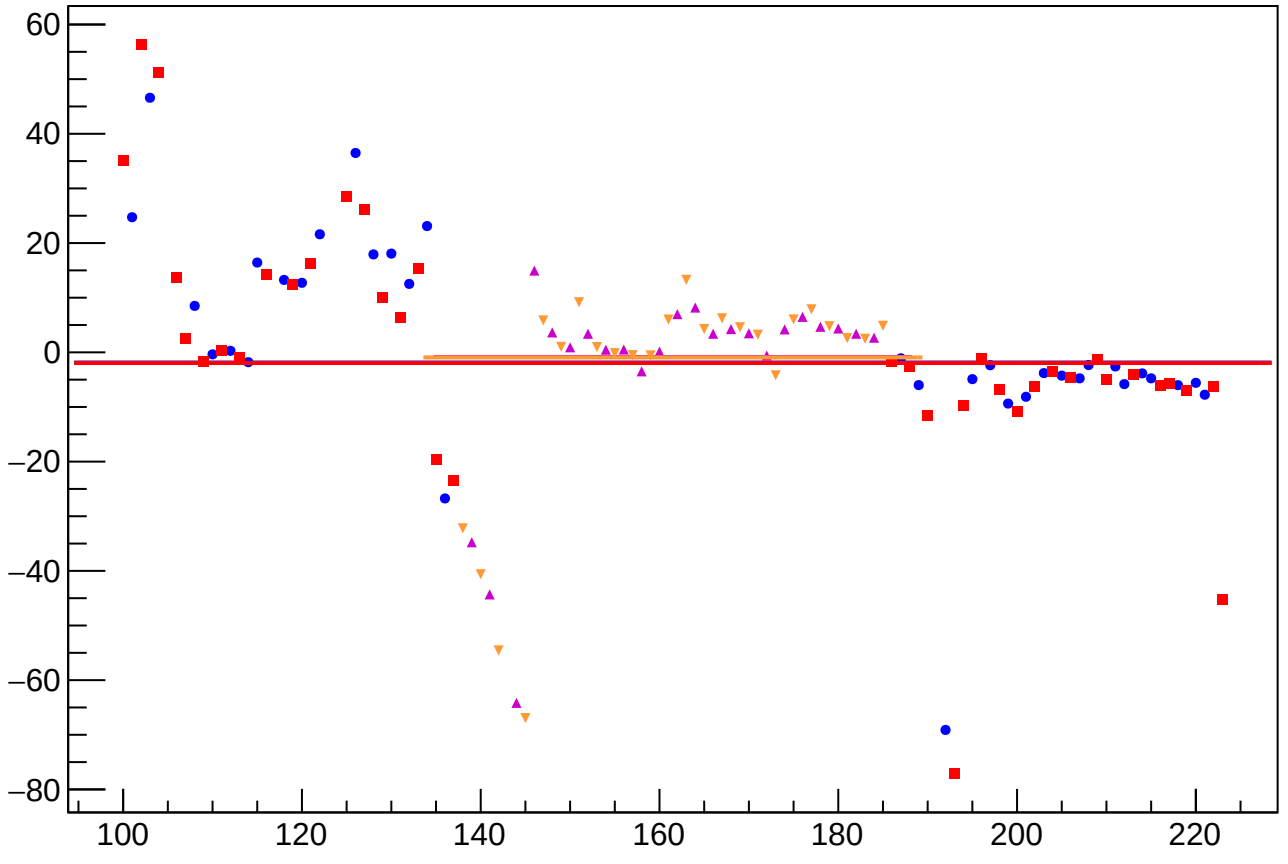
Right Out: 0.669+/-0.041 χ^2/NDF: 14757.9/36

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.641+/-0.026 χ^2/NDF: 13144.3/57

All: 0.554+/-0.018 χ^2/NDF: 35080.1/117

- sign 0.475+/-0.025 χ^2/NDF: 21914.8/59



Right In: -1.870+/-0.035 χ^2/NDF: 122108.8/33

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

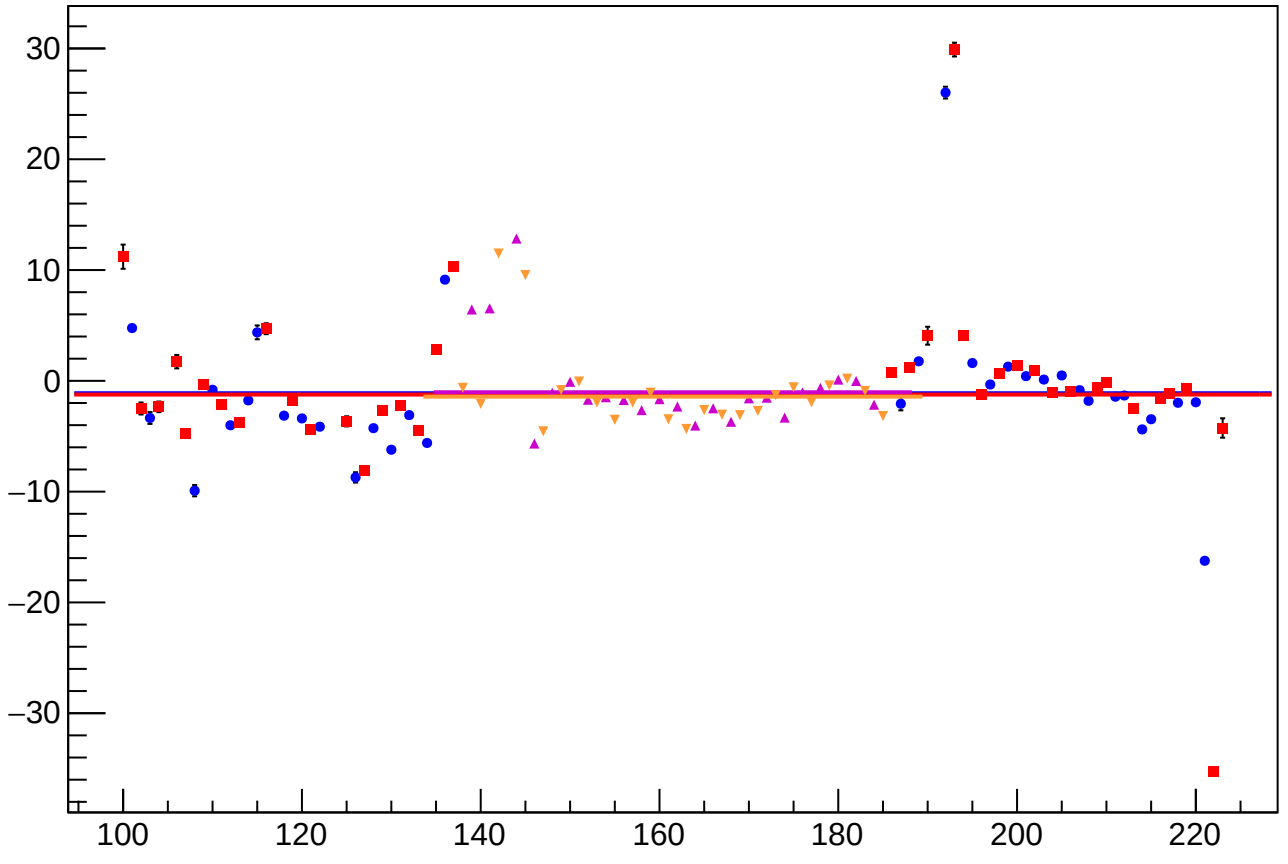
Right Out: -1.953+/-0.033 χ^2/NDF: 126488.5/36

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -1.472+/-0.026 χ^2/NDF: 248782.3/57

All: -1.489+/-0.018 χ^2/NDF: 505223.3/117

- sign -1.504+/-0.025 χ^2/NDF: 256440.3/59



Right In: -1.118+/-0.049 χ^2/NDF: 9365.4/33

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

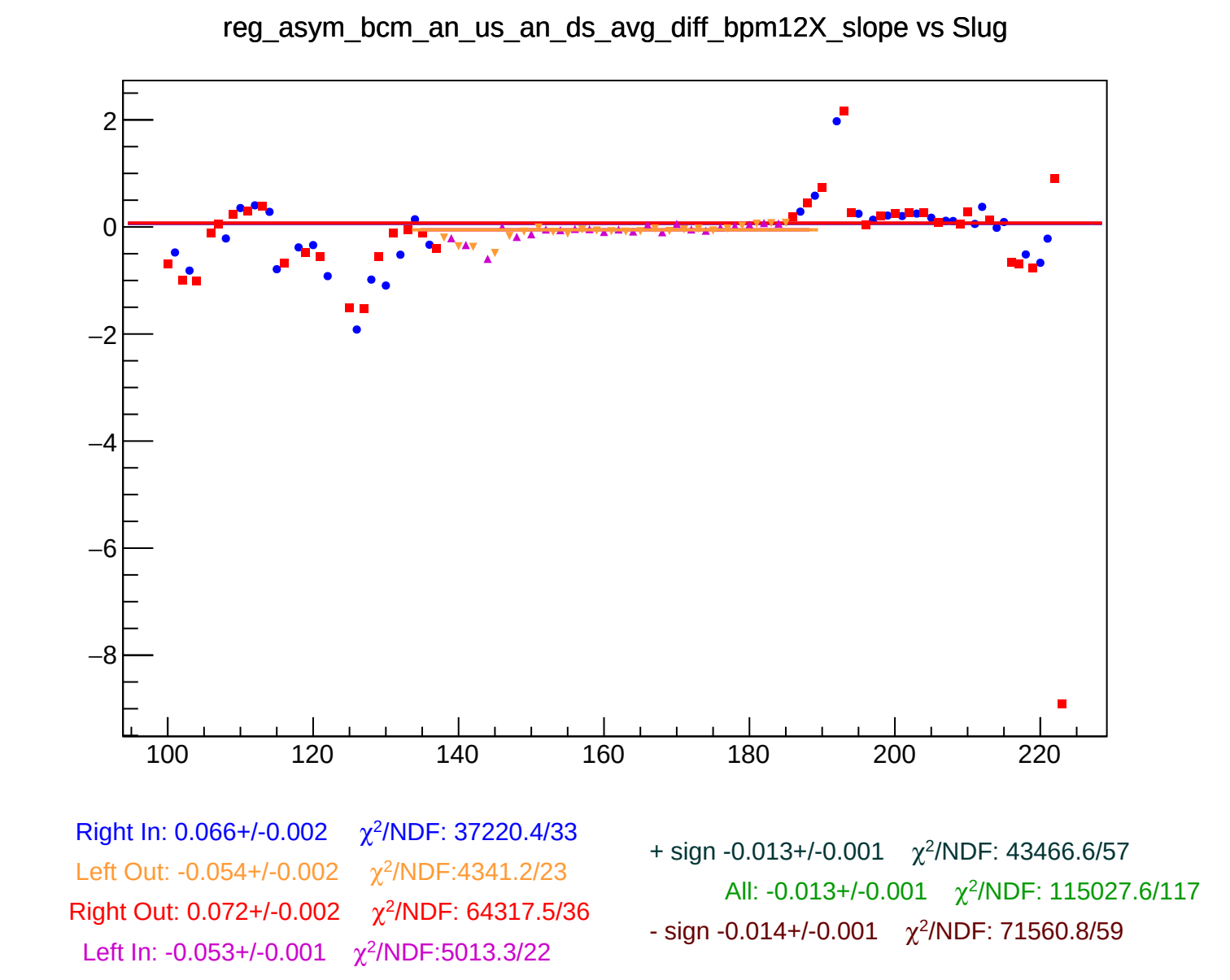
Right Out: -1.238+/-0.048 χ^2/NDF: 13711.1/36

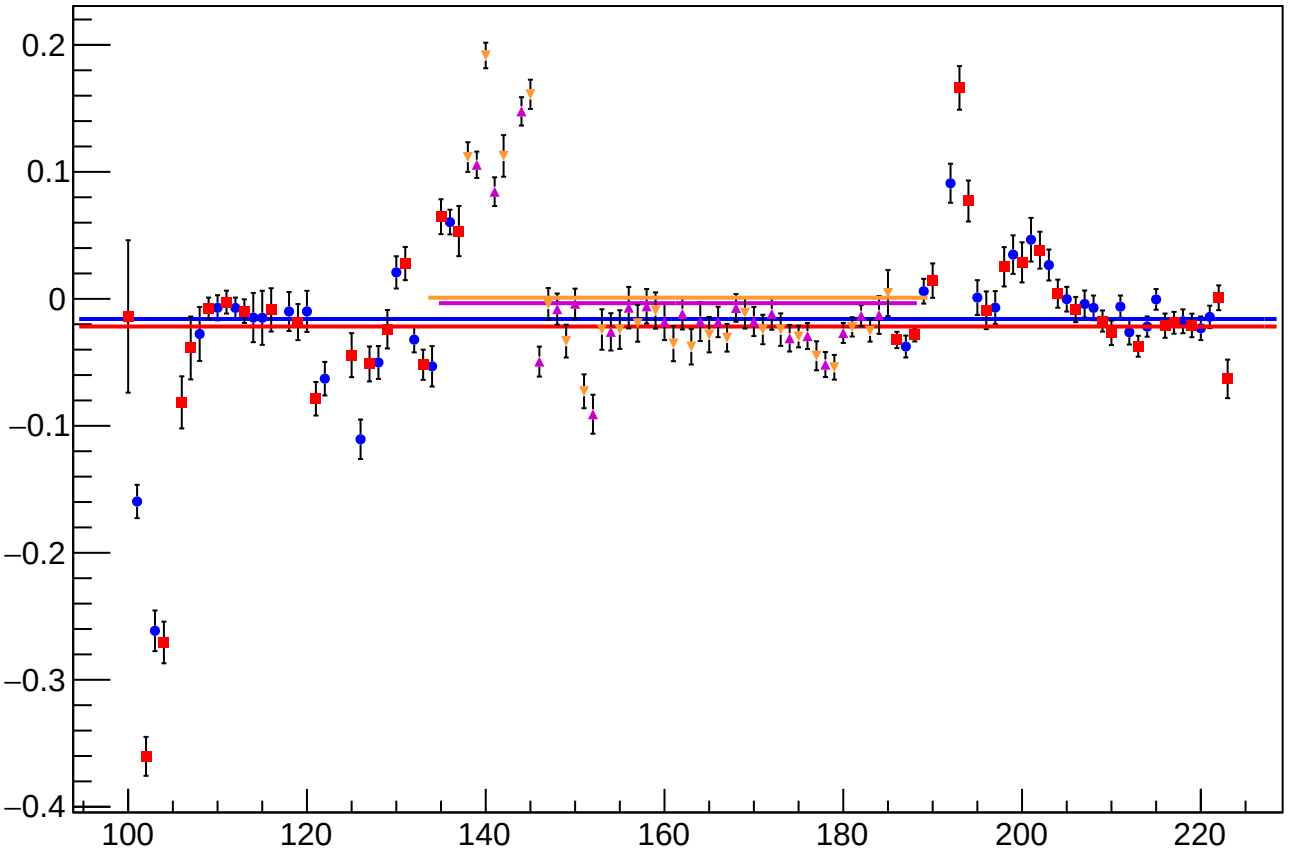
Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.315+/-0.029 χ^2/NDF: 14030.0/57

All: -1.205+/-0.020 χ^2/NDF: 34831.8/117

- sign -1.104+/-0.028 χ^2/NDF: 20774.7/59


reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.066+/-0.002 χ²/NDF: 37220.4/33
Left Out: -0.054+/-0.002 χ²/NDF:4341.2/23
Right Out: 0.072+/-0.002 χ²/NDF: 64317.5/36
Left In: -0.053+/-0.001 χ²/NDF:5013.3/22
+ sign -0.013+/-0.001 χ²/NDF: 43466.6/57
All: -0.013+/-0.001 χ²/NDF: 115027.6/117
- sign -0.014+/-0.001 χ²/NDF: 71560.8/59



Right In: -0.016+/-0.002 χ^2/NDF: 602.9/33

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

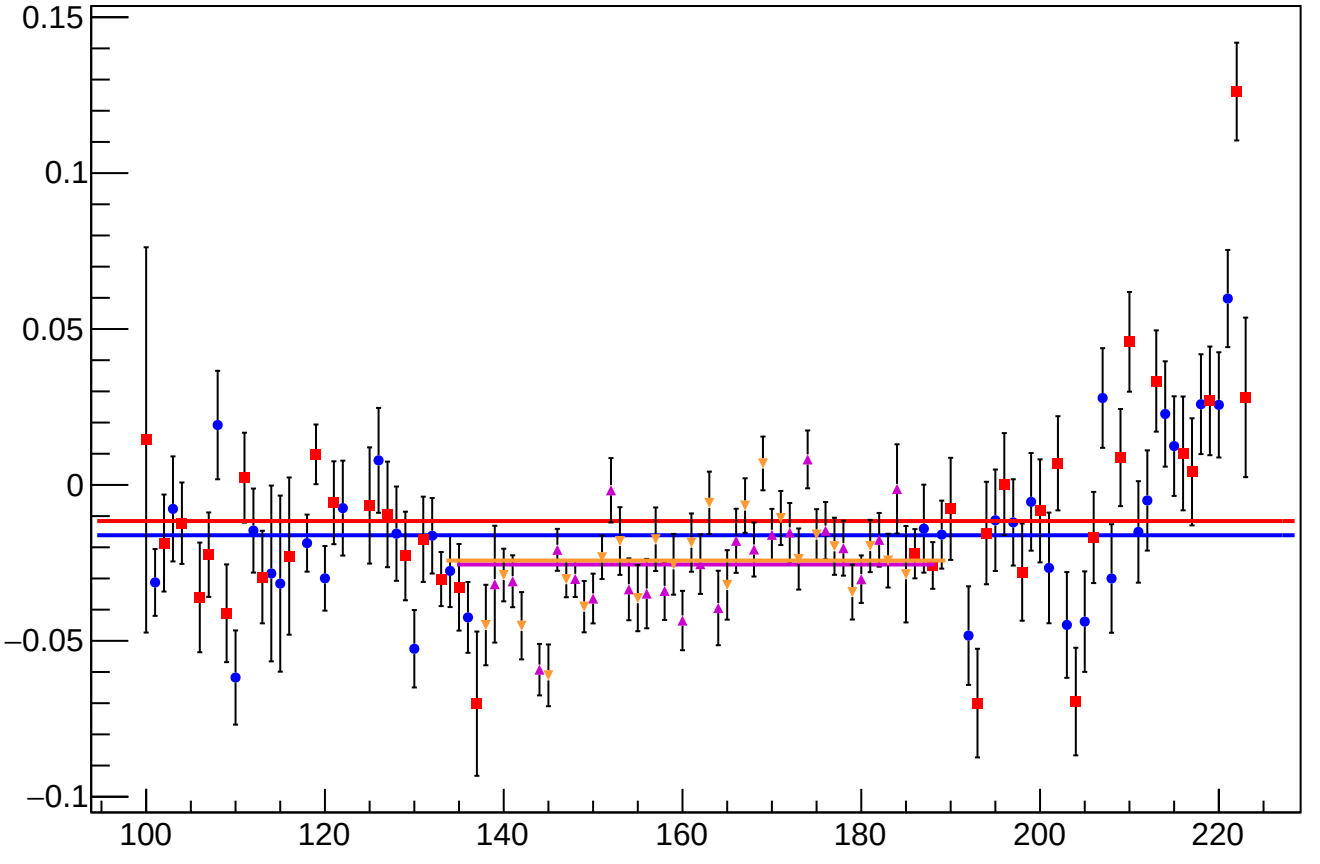
Right Out: -0.022+/-0.002 χ^2/NDF: 1067.6/36

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.009+/-0.001 χ^2/NDF: 1482.4/57

All: -0.012+/-0.001 χ^2/NDF: 3052.3/117

- sign -0.015+/-0.001 χ^2/NDF: 1562.5/59



Right In: -0.016+/-0.002 χ^2/NDF: 100.1/33

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

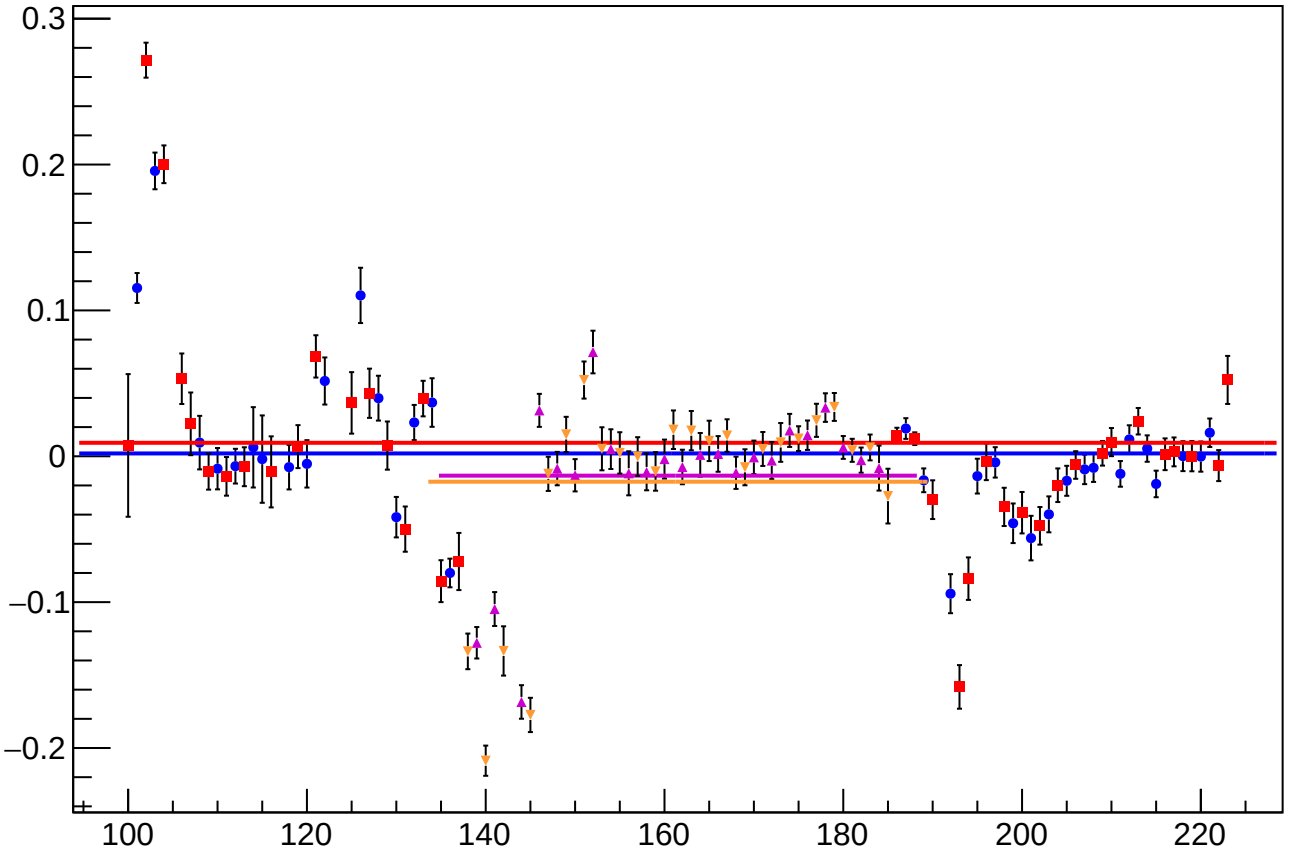
Right Out: -0.012+/-0.002 χ^2/NDF: 168.9/36

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.021+/-0.001 χ^2/NDF: 160.8/57

All: -0.021+/-0.001 χ^2/NDF: 406.8/117

- sign -0.020+/-0.001 χ^2/NDF: 245.6/59



Right In: 0.002+/-0.002 χ^2/NDF: 616.4/33

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

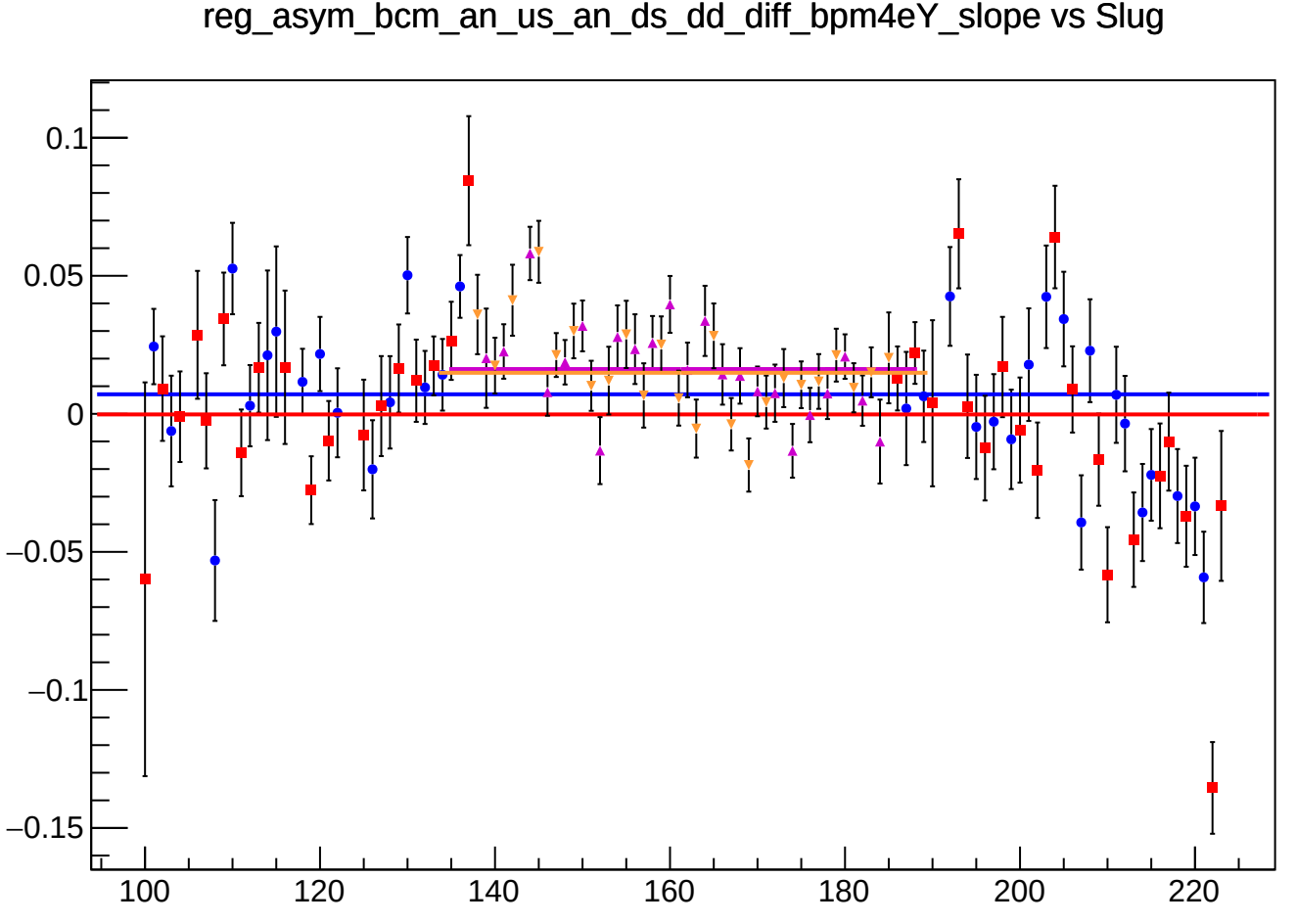
Right Out: 0.009+/-0.002 χ^2/NDF: 1057.3/36

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

\+ sign -0.006+/-0.002 χ^2/NDF: 1467.9/57

All: -0.002+/-0.001 χ^2/NDF: 3050.8/117

\- sign 0.001+/-0.001 χ^2/NDF: 1572.2/59



Right In: 0.007+/-0.003 χ^2/NDF: 99.2/33

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

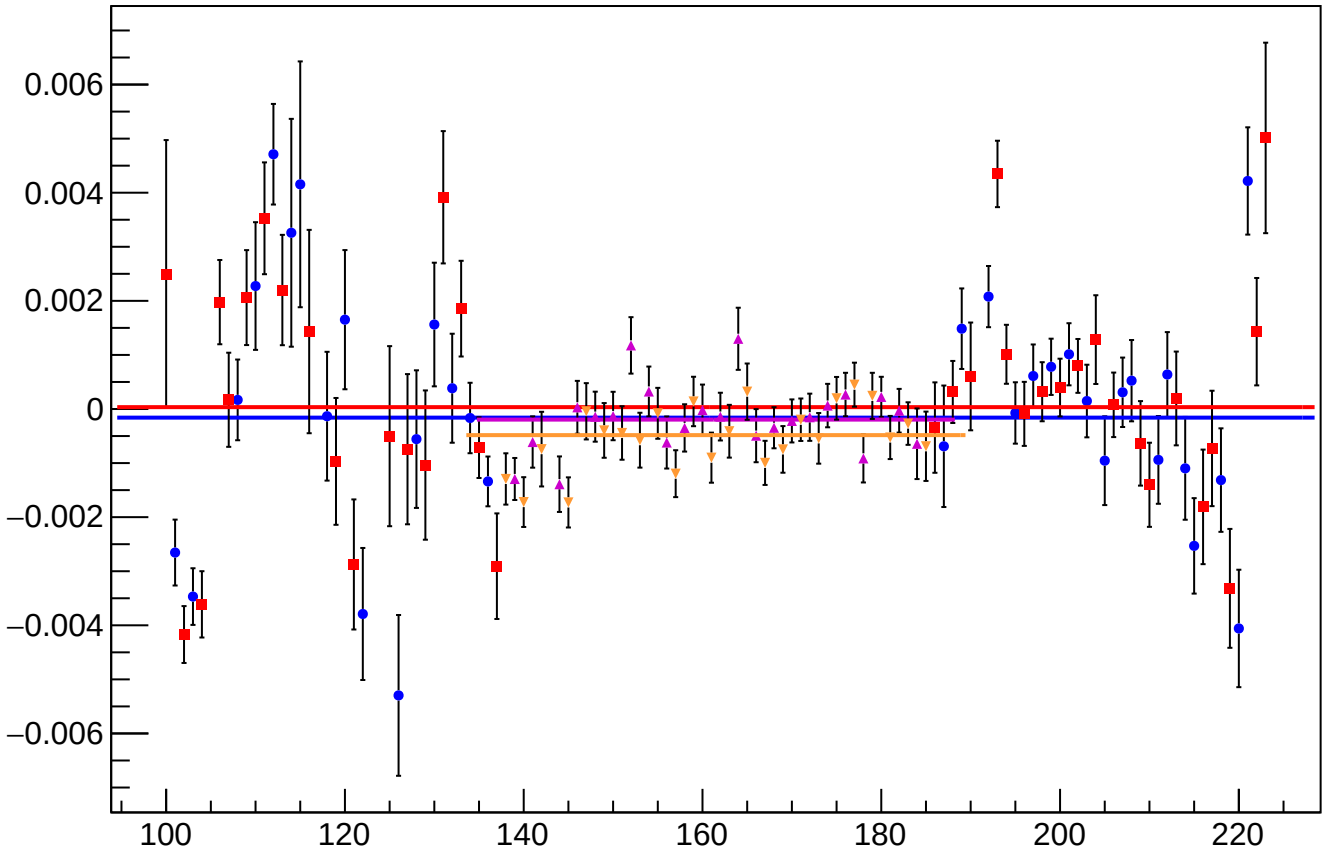
Right Out: -0.000+/-0.003 χ^2/NDF: 160.0/36

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.012+/-0.002 χ^2/NDF: 156.2/57

All: 0.011+/-0.001 χ^2/NDF: 397.3/117

- sign 0.010+/-0.002 χ^2/NDF: 240.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 203.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

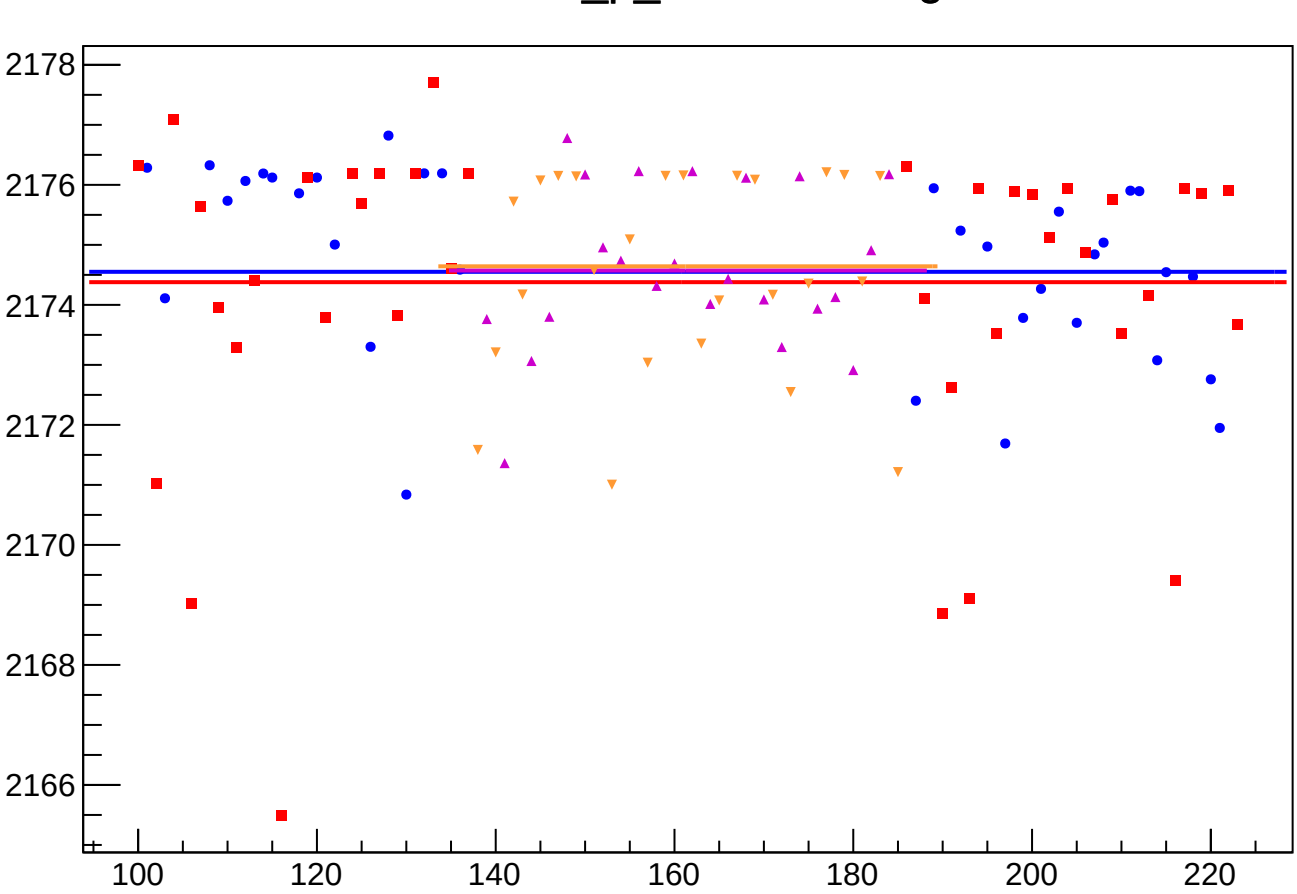
Right Out: 0.000+/-0.000 χ^2/NDF: 246.8/36

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 248.0/57

All: -0.000+/-0.000 χ^2/NDF: 539.9/117

- sign -0.000+/-0.000 χ^2/NDF: 286.1/59



Right In: 2174.551+/-0.000 χ^2/NDF: 47830639448908144888076563424215040/33

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120/24

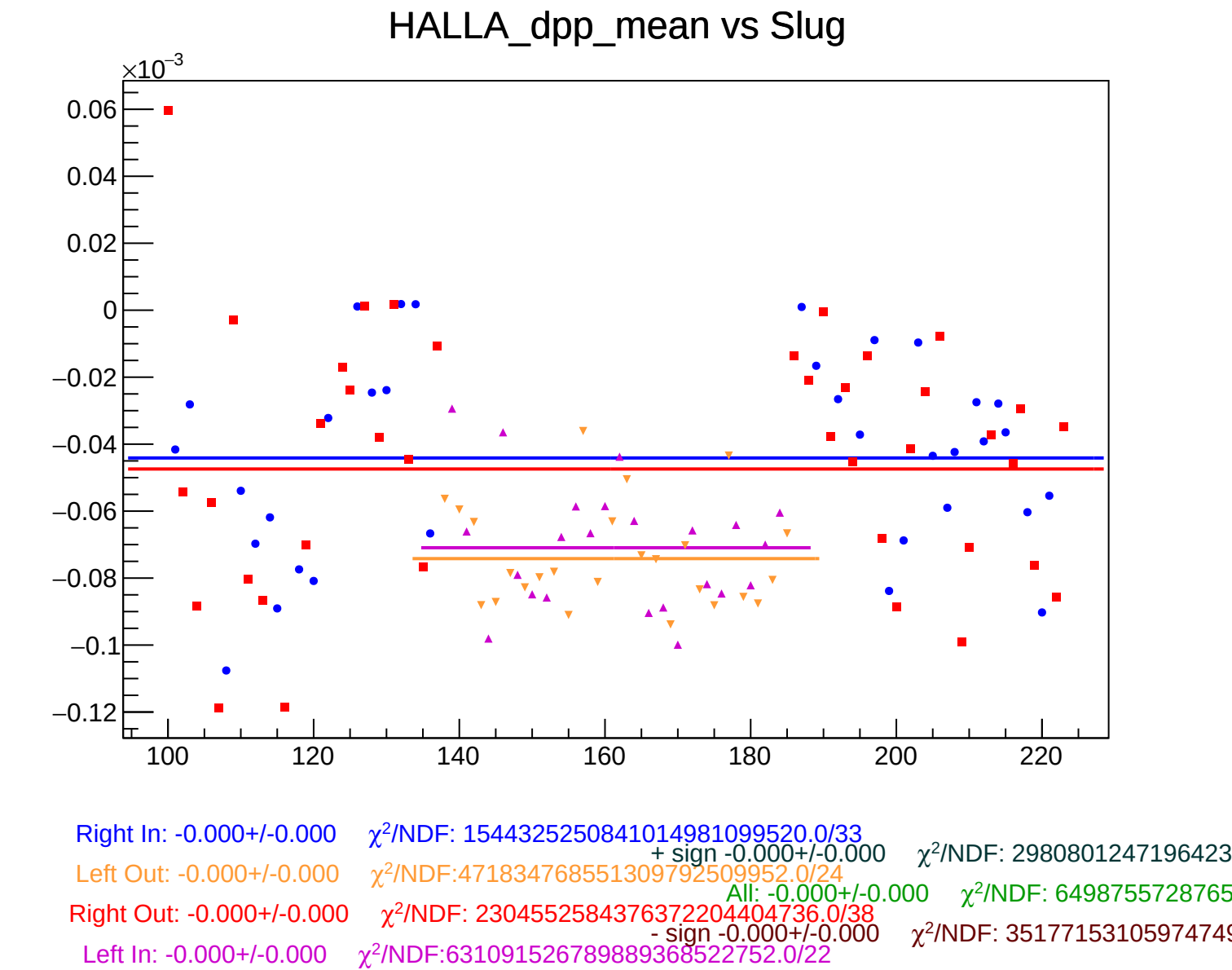
Right Out: 2174.378+/-0.000 χ^2/NDF: 12718848770891424229928560184262656.0/38

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

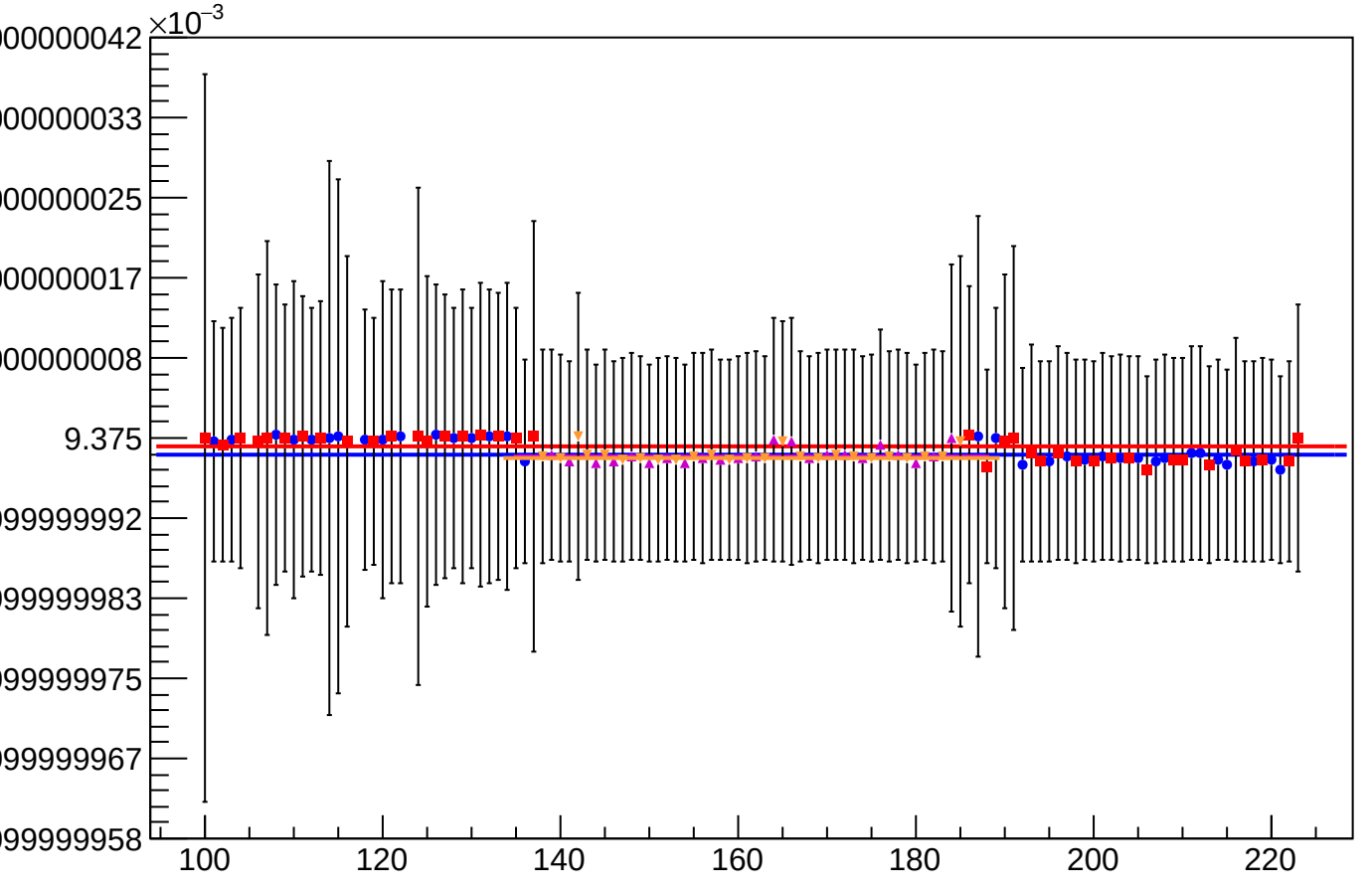
+ sign 2174.594+/-0.000 χ^2/NDF: 10003700903366

All: 2174.530+/-0.000 χ^2/NDF: 2622889938

- sign 2174.465+/-0.000 χ^2/NDF: 16189864623381


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 1544325250841014981099520.0/33
+ sign -0.000+/-0.000 χ²/NDF: 2980801247196423
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
All: -0.000+/-0.000 χ²/NDF: 6498755728765
Right Out: -0.000+/-0.000 χ²/NDF: 2304552584376372204404736.0/38
- sign -0.000+/-0.000 χ²/NDF: 3517715310597474
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.4/38

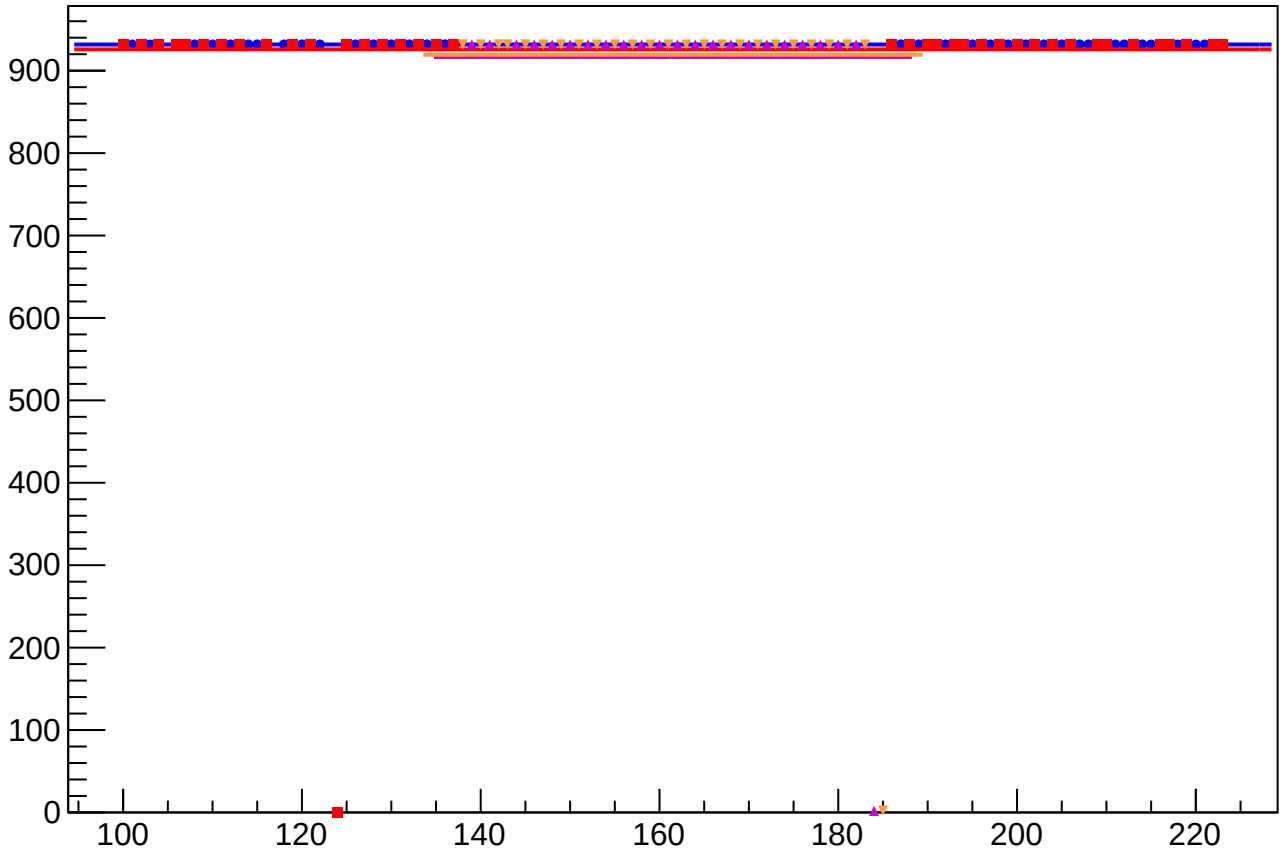
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.4/58

All: 0.009+/-0.000 χ^2/NDF: 0.9/120

- sign 0.009+/-0.000 χ^2/NDF: 0.5/61

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.757+/-0.000 χ^2/NDF: 888105092782545998310565688115 2.0/33

+ sign 925.913+/-0.000 χ^2/NDF: 231855405597686

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

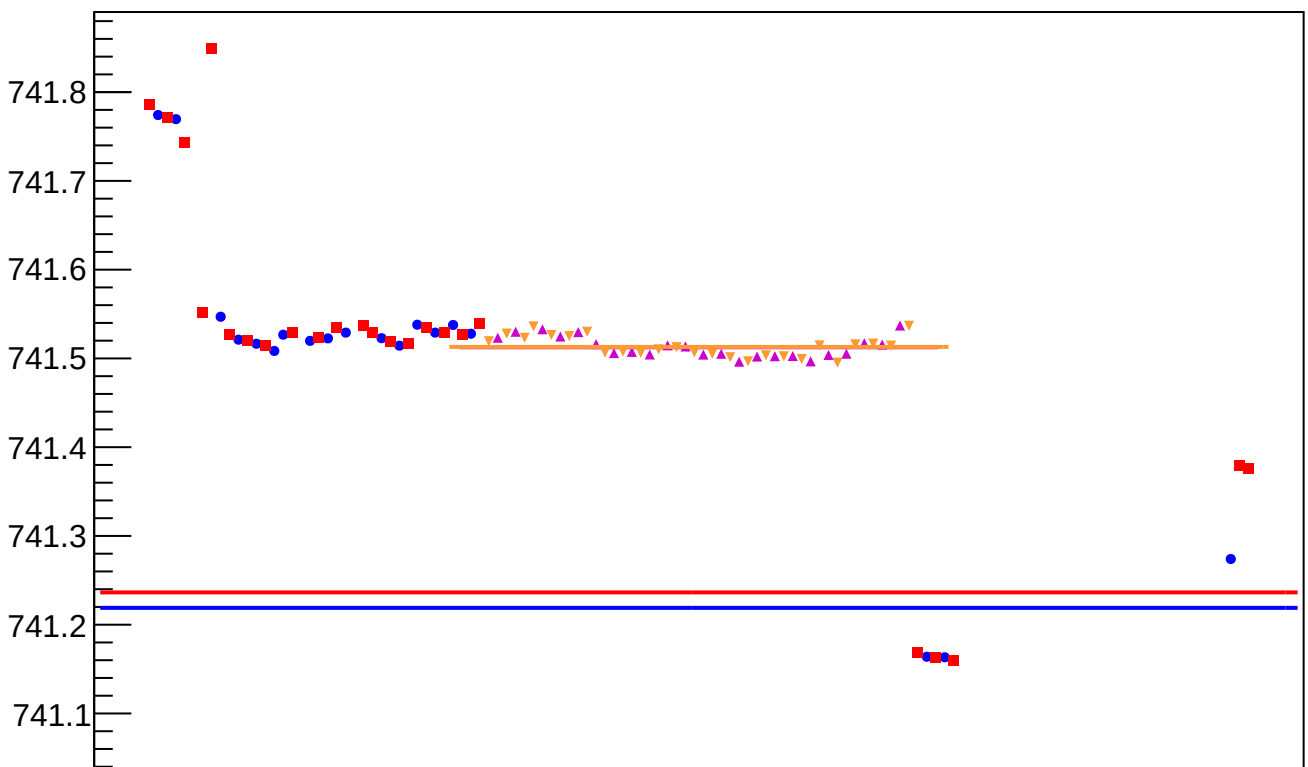
All: 923.821+/-0.000 χ^2/NDF: 626200744447

Right Out: 925.819+/-0.000 χ^2/NDF: 1293875676979578902533336483295867 6992.0/38

- sign 921.717+/-0.000 χ^2/NDF: 393969307243878

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.219+/-0.000 χ^2/NDF: 14821548211991186552864648672051 2.0/33

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.236+/-0.000 χ^2/NDF: 15611206127524388636239139228876 8.0/38

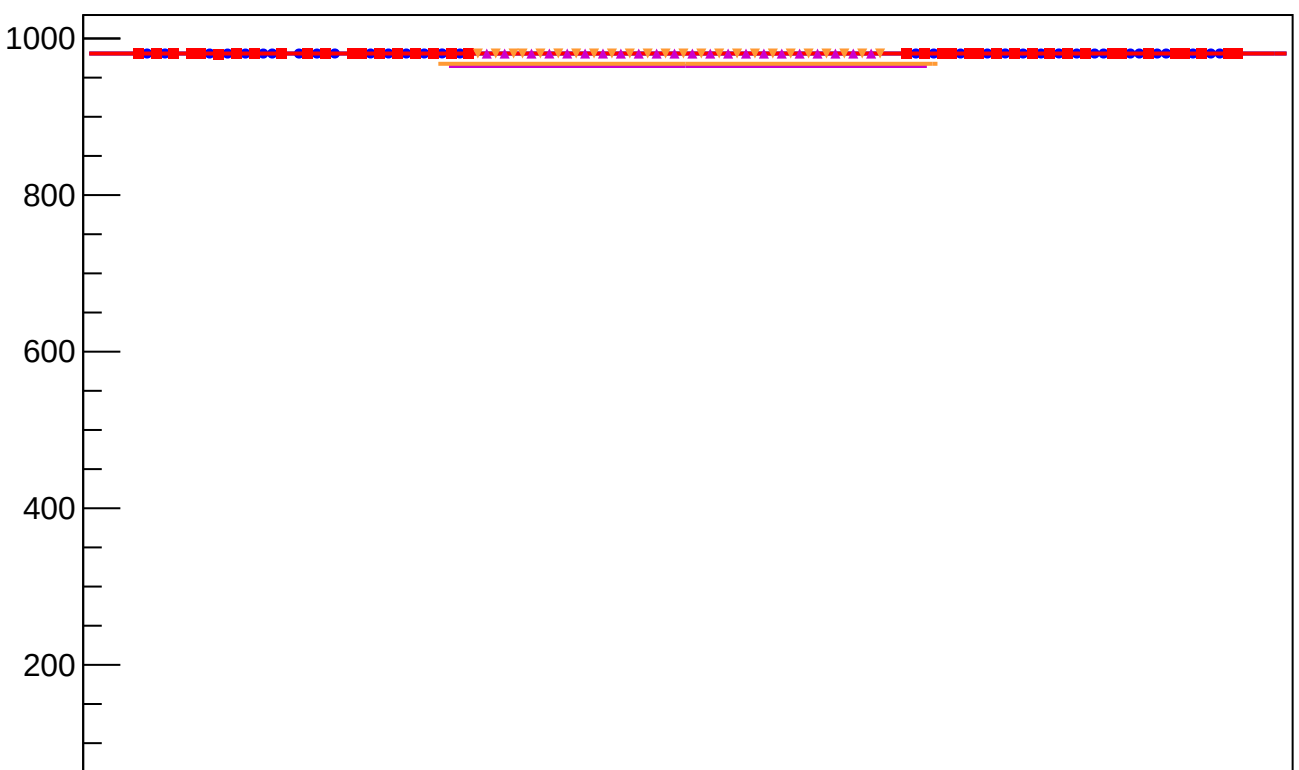
Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.357+/-0.000 χ^2/NDF: 240740564764915

All: 741.359+/-0.000 χ^2/NDF: 4774146009 10

- sign 741.360+/-0.000 χ^2/NDF: 236659799064911

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.803+/-0.000 χ^2/NDF: 19620974122407553604197359288320/33

+ sign 974.621+/-0.000 χ^2/NDF: 256891228087717

Left Out: 967.677+/-0.000 χ^2/NDF:25505155603279925641541295779633692672.0/24

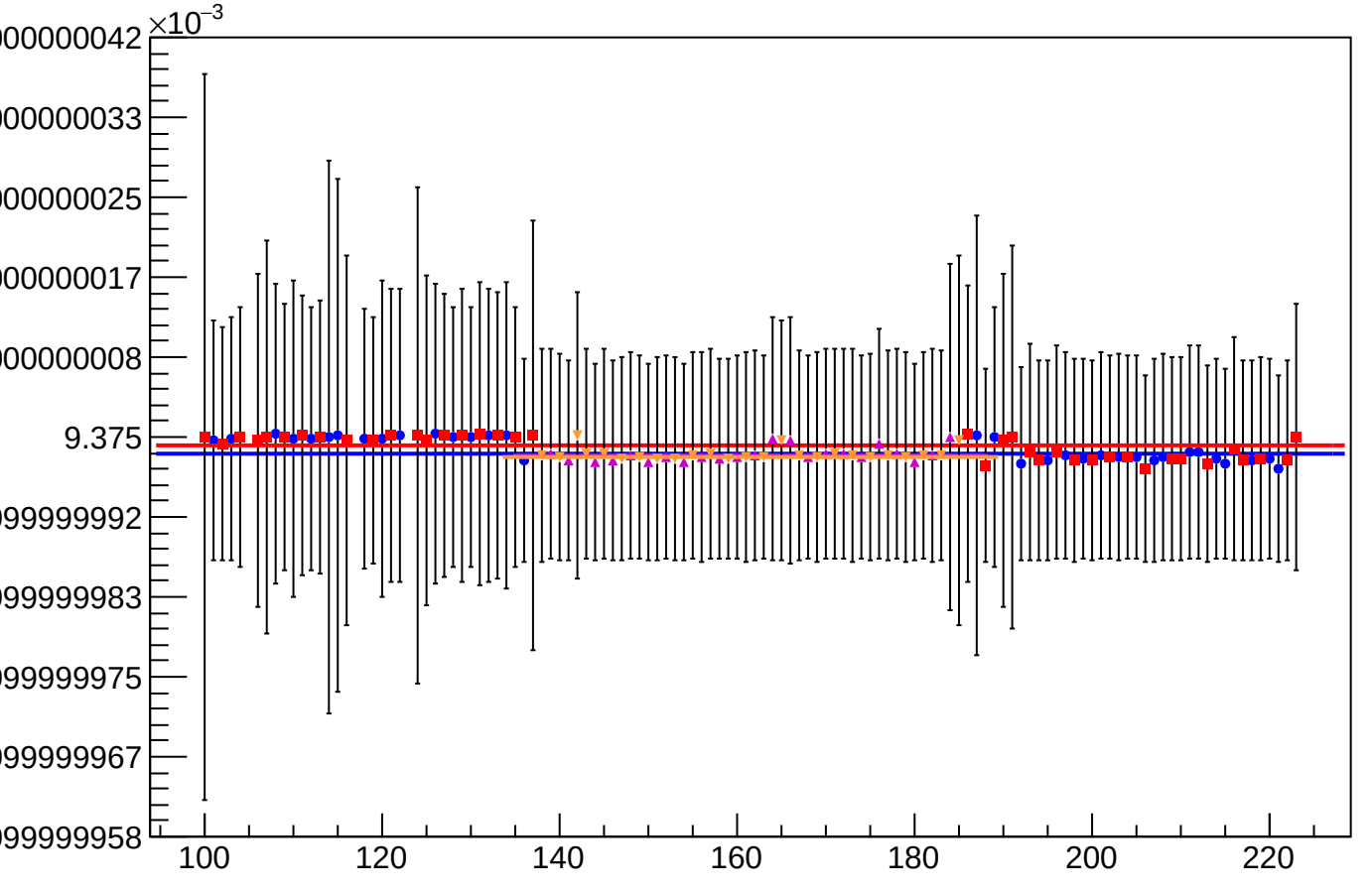
All: 974.139+/-0.000 χ^2/NDF: 551742000545

Right Out: 980.784+/-0.000 χ^2/NDF: 6370360911953157450492066922496O.0/38

- sign 973.653+/-0.000 χ^2/NDF: 294830759956429

Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.4/38

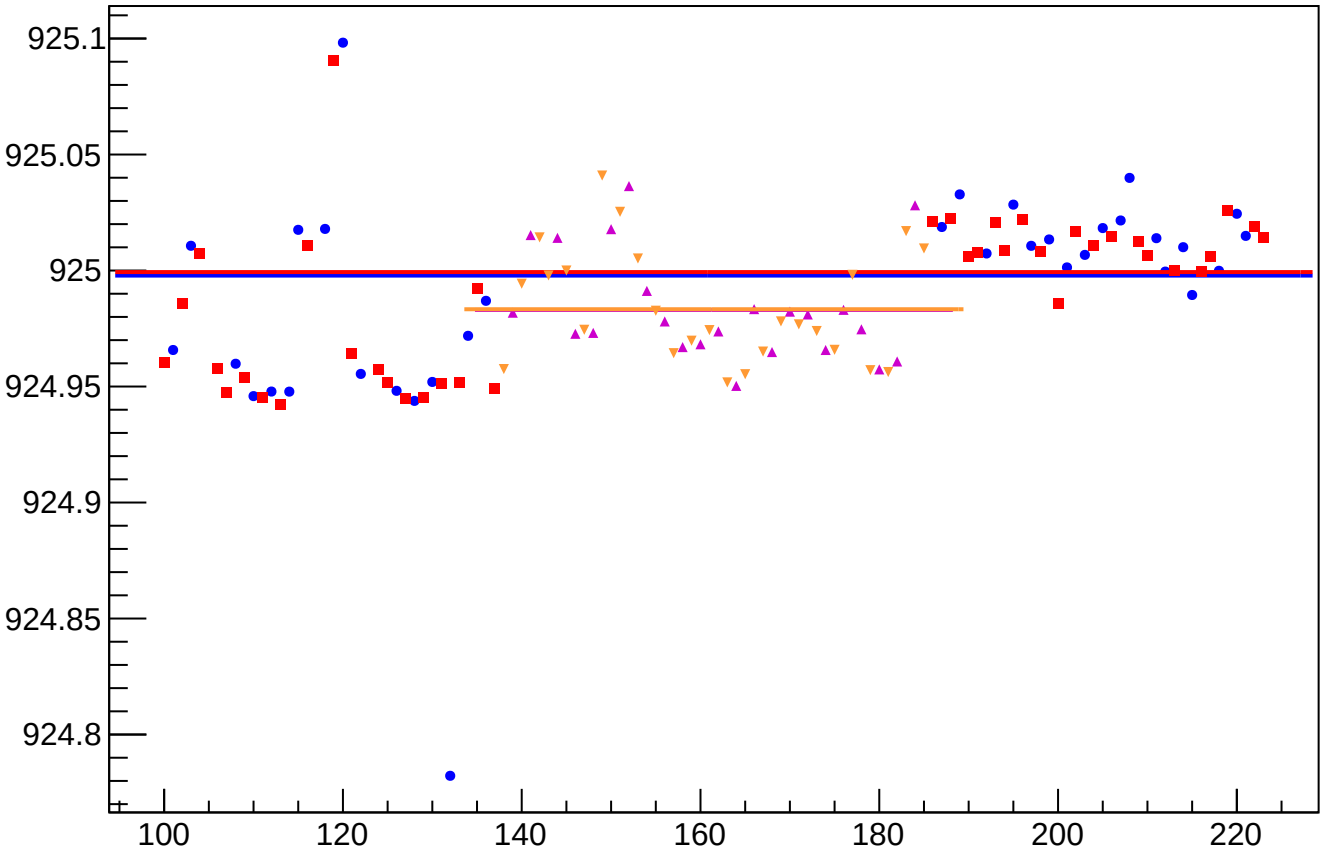
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.4/58

All: 0.009+/-0.000 χ^2/NDF: 0.9/120

- sign 0.009+/-0.000 χ^2/NDF: 0.5/61

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.998+/-0.000 χ^2/NDF: 3878856082752694629313655341056.0/33

+ sign 924.991+/-0.000 χ^2/NDF: 526491677562345

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

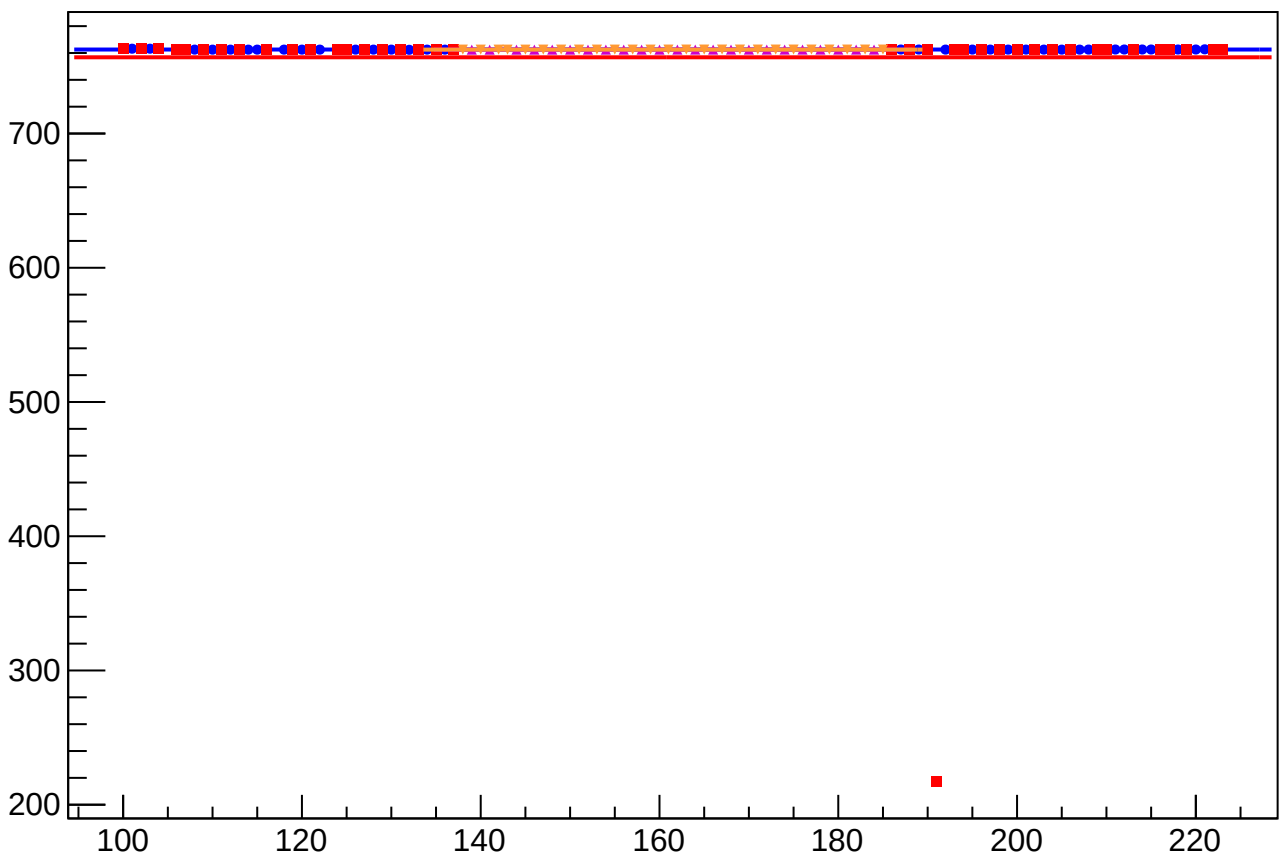
All: 924.992+/-0.000 χ^2/NDF: 859140222817

Right Out: 924.999+/-0.000 χ^2/NDF: 211527278330404372404492461670 4.0/38

- sign 924.992+/-0.000 χ^2/NDF: 332417716194789

Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.579+/-0.000 χ^2/NDF: 581319657020769562365555460014080.0/33

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 756.791+/-0.000 χ^2/NDF: 736074496730342303794623363400125644 8.0/38

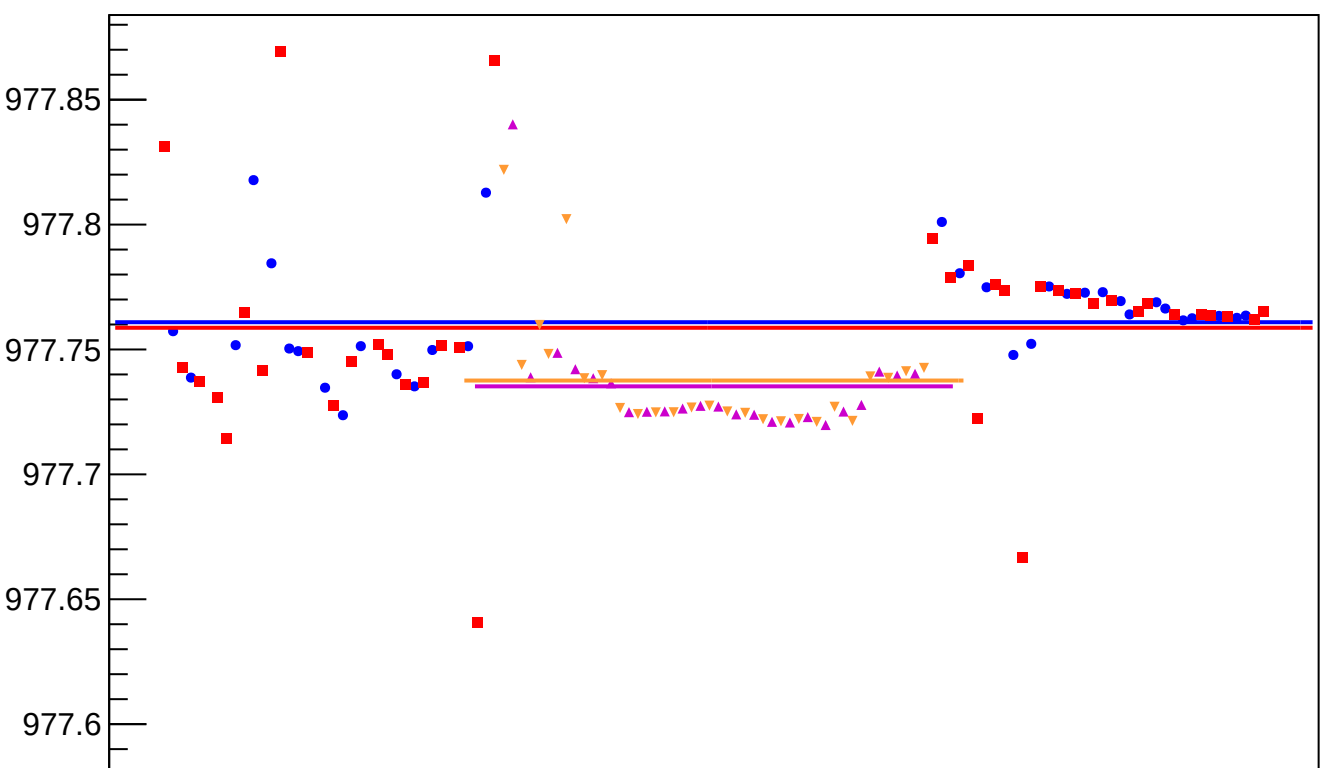
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.550+/-0.000 χ^2/NDF: 627760425993539

All: 760.957+/-0.000 χ^2/NDF: 741716017998

- sign 759.355+/-0.000 χ^2/NDF: 739528952903139

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.761+/-0.000 χ^2/NDF: 22258504157786840016671242977280.0/33

+ sign 977.750+/-0.000 χ^2/NDF: 39863455774787

Left Out: 977.738+/-0.000 χ^2/NDF:11784078725663365723250009047040.0/24

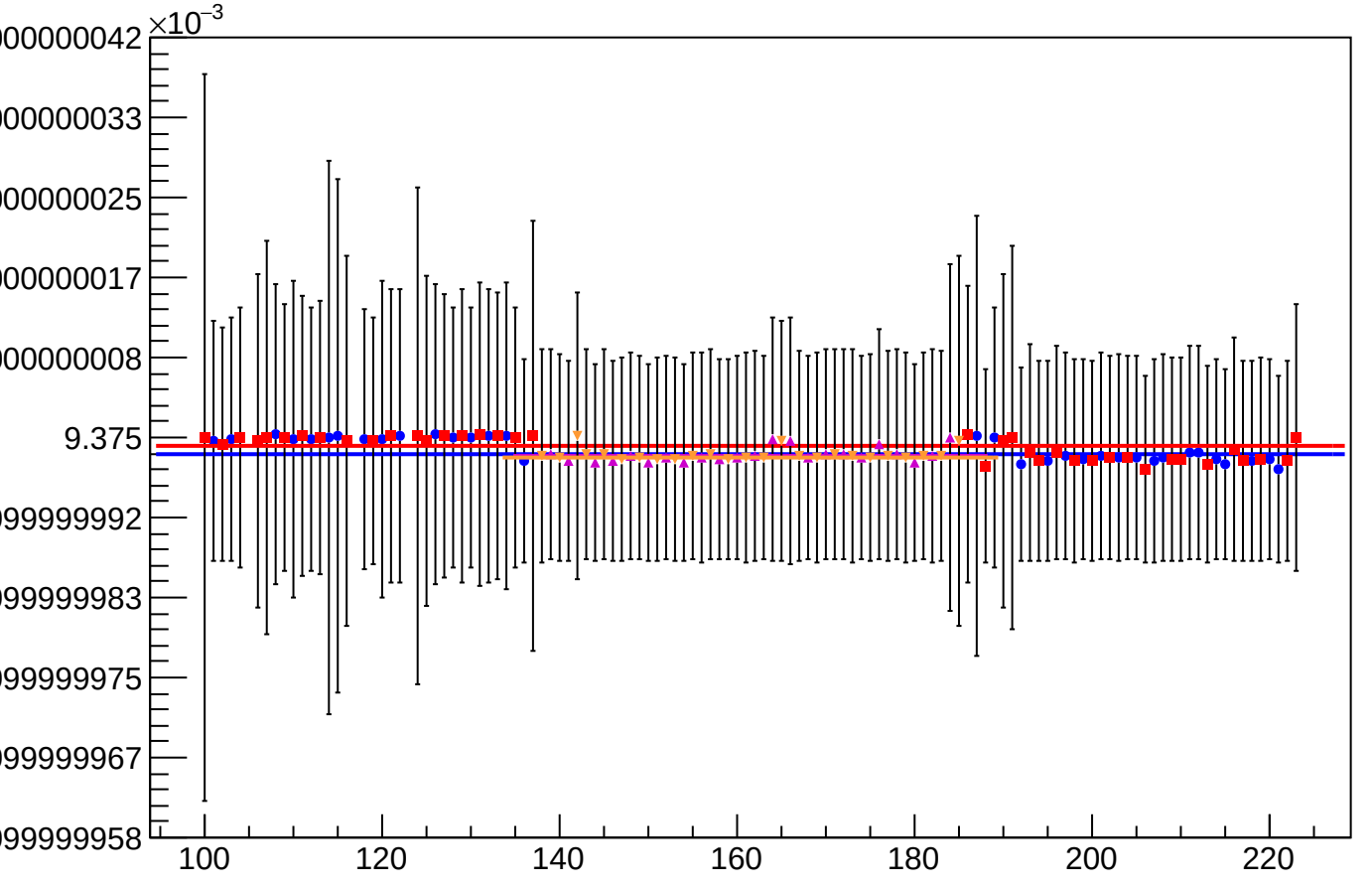
All: 977.749+/-0.000 χ^2/NDF: 8542766392

Right Out: 977.759+/-0.000 χ^2/NDF: 28738893324201525813284133928960.0/38

- sign 977.748+/-0.000 χ^2/NDF: 455006880348106

Left In: 977.735+/-0.000 χ^2/NDF:10967664376054172546270725406720.0/22

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.4/38

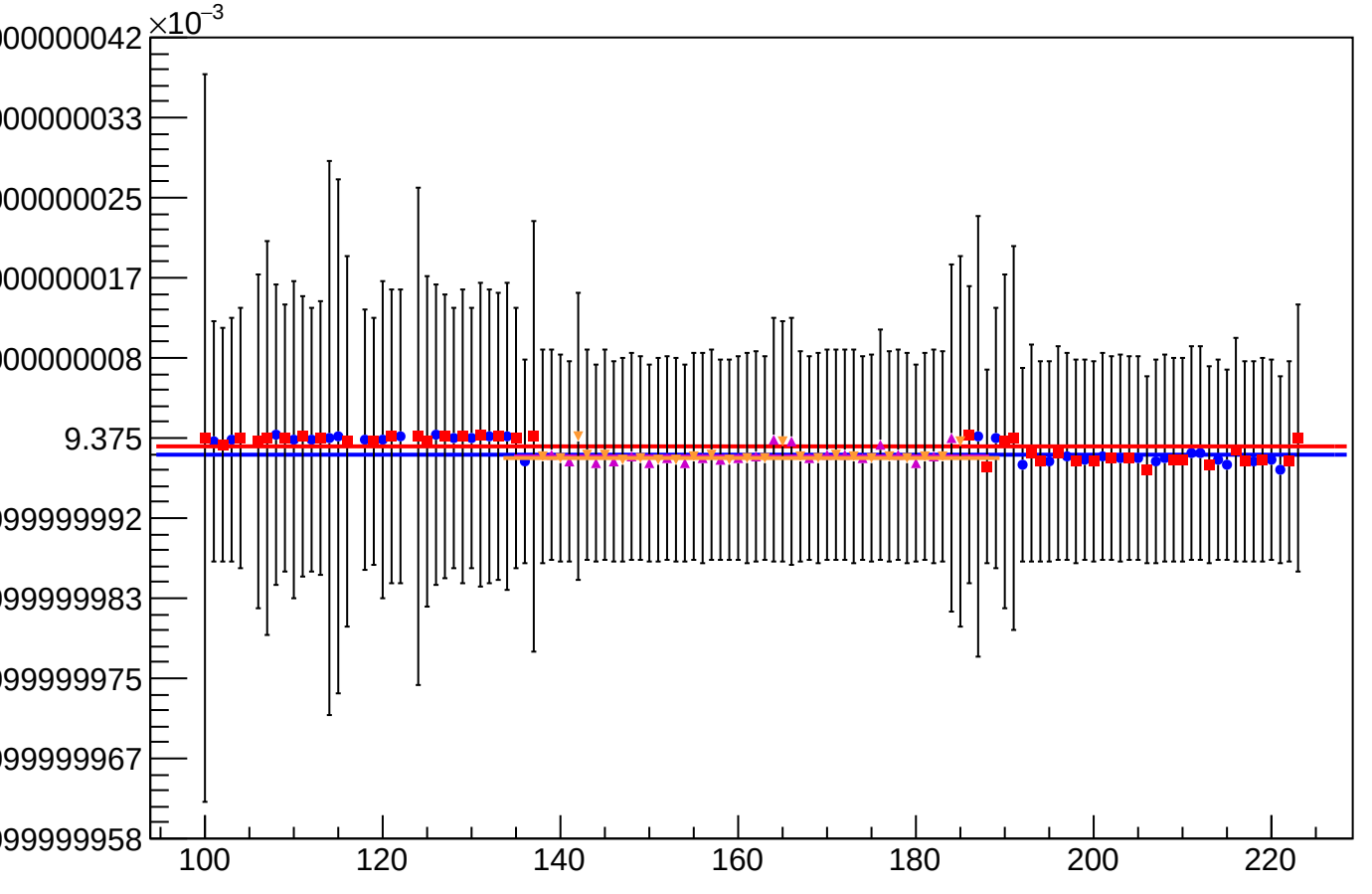
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.4/58

All: 0.009+/-0.000 χ^2/NDF: 0.9/120

- sign 0.009+/-0.000 χ^2/NDF: 0.5/61

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.4/38

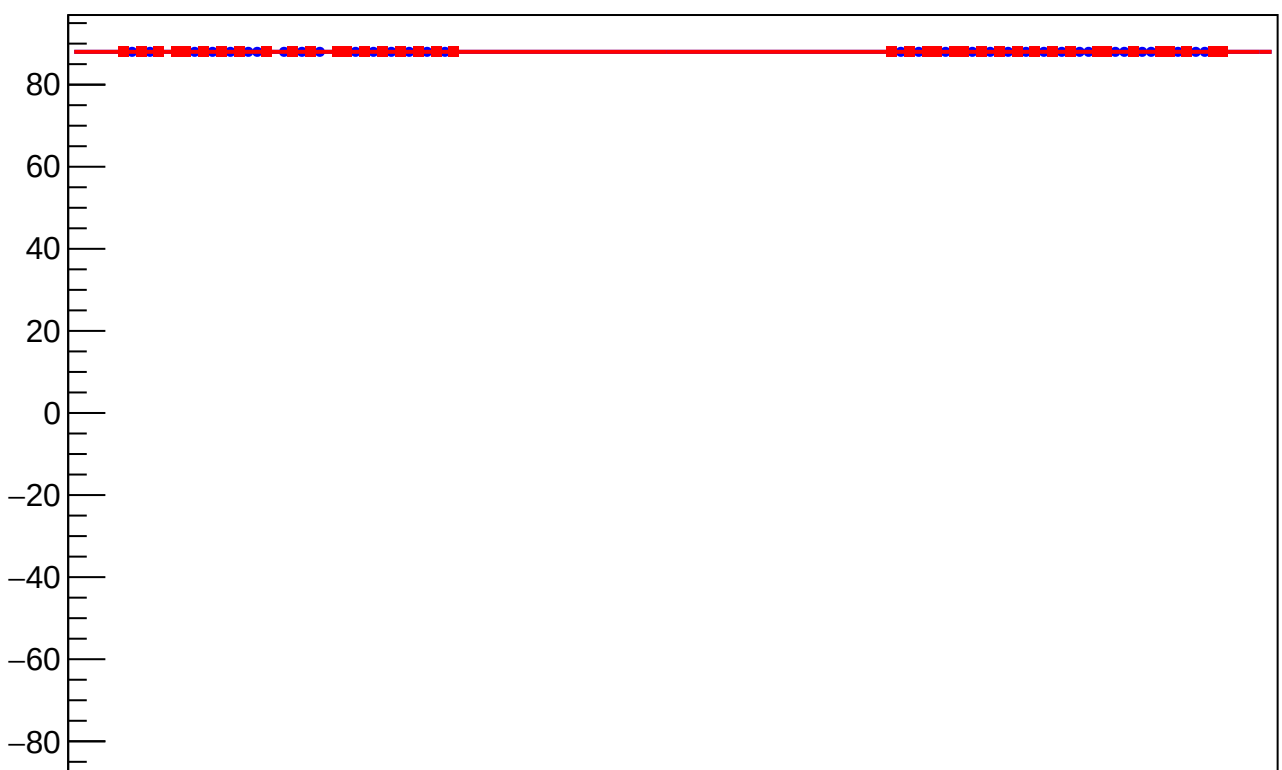
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.4/58

All: 0.009+/-0.000 χ^2/NDF: 0.9/120

- sign 0.009+/-0.000 χ^2/NDF: 0.5/61

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 7001348.8/33

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 769950138429463632709251235840.0/38

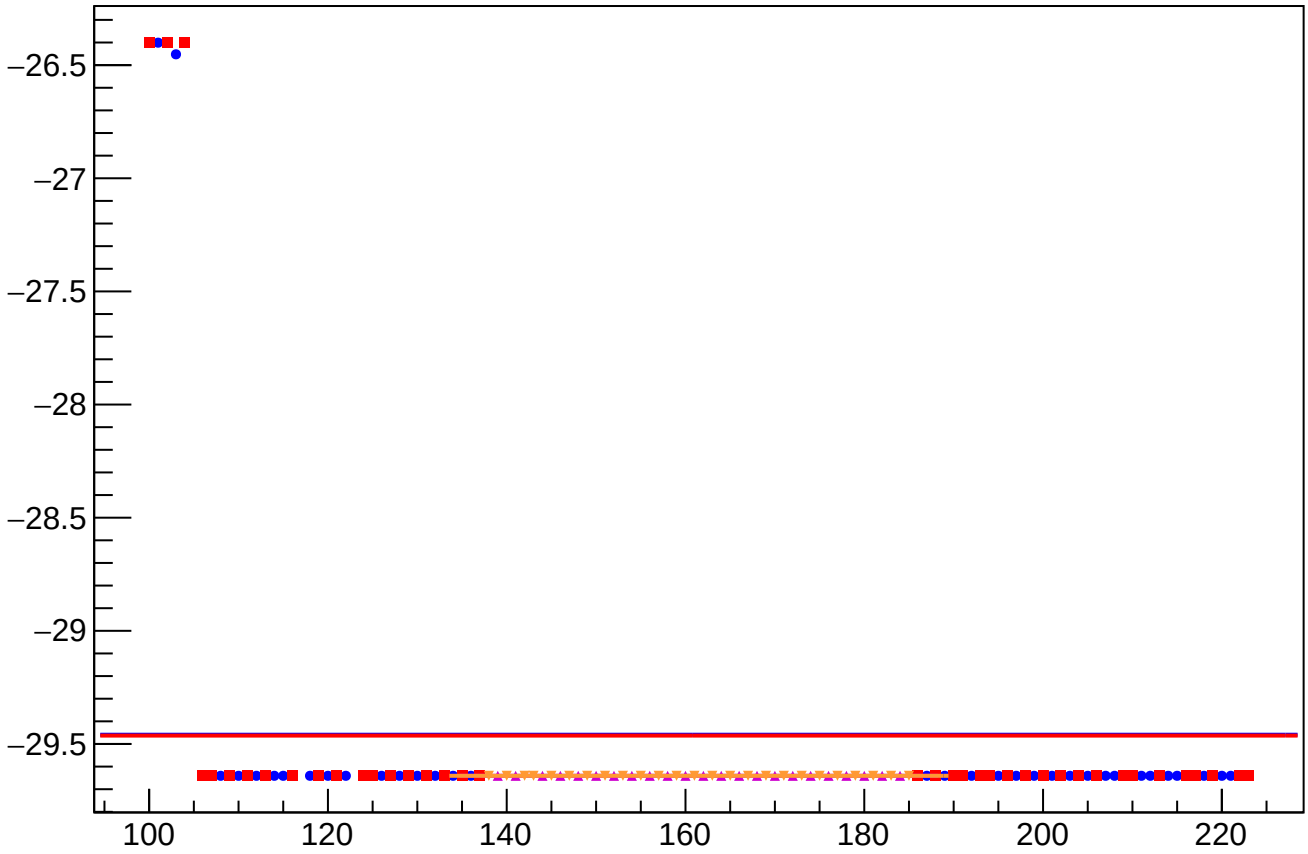
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign 3.890+/-0.000 χ^2/NDF: 34055304269722269

All: 5.966+/-0.000 χ^2/NDF: 67675525410982

- sign 8.055+/-0.000 χ^2/NDF: 33583173424251143

HWienAngle_mean vs Slug



Right In: -29.459+/-0.000 χ^2/NDF: 124817706915369510622918580843315 2.0/33

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

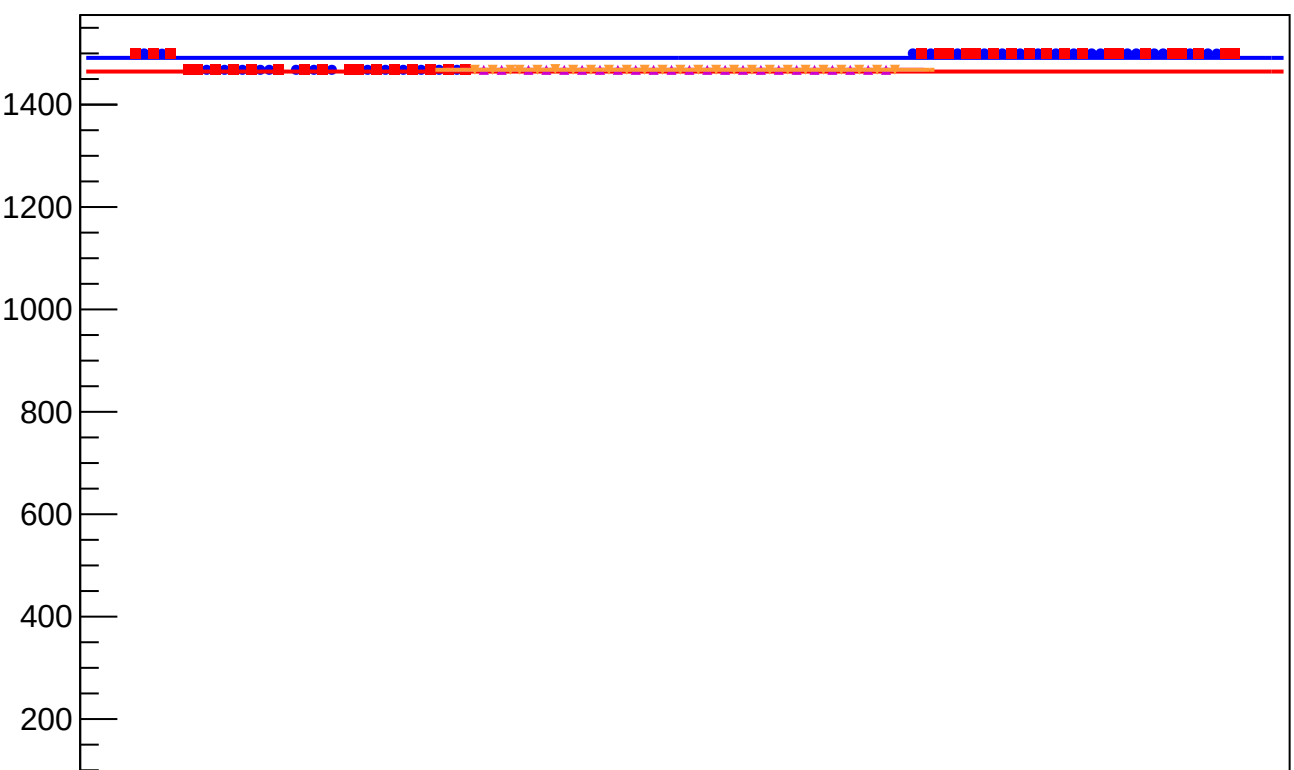
Right Out: -29.463+/-0.000 χ^2/NDF: 127991720204081333296459427296051 2.0/38

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.545+/-0.000 χ^2/NDF: 128335062521086

All: -29.544+/-0.000 χ^2/NDF: 259652428634

- sign -29.543+/-0.000 χ^2/NDF: 1313163964678242



Right In: 1491.312+/-0.000 χ^2/NDF: 457428876858907539655760135084572672.0/33

+ sign 1480.357+/-0.000 χ^2/NDF: 10352487853318

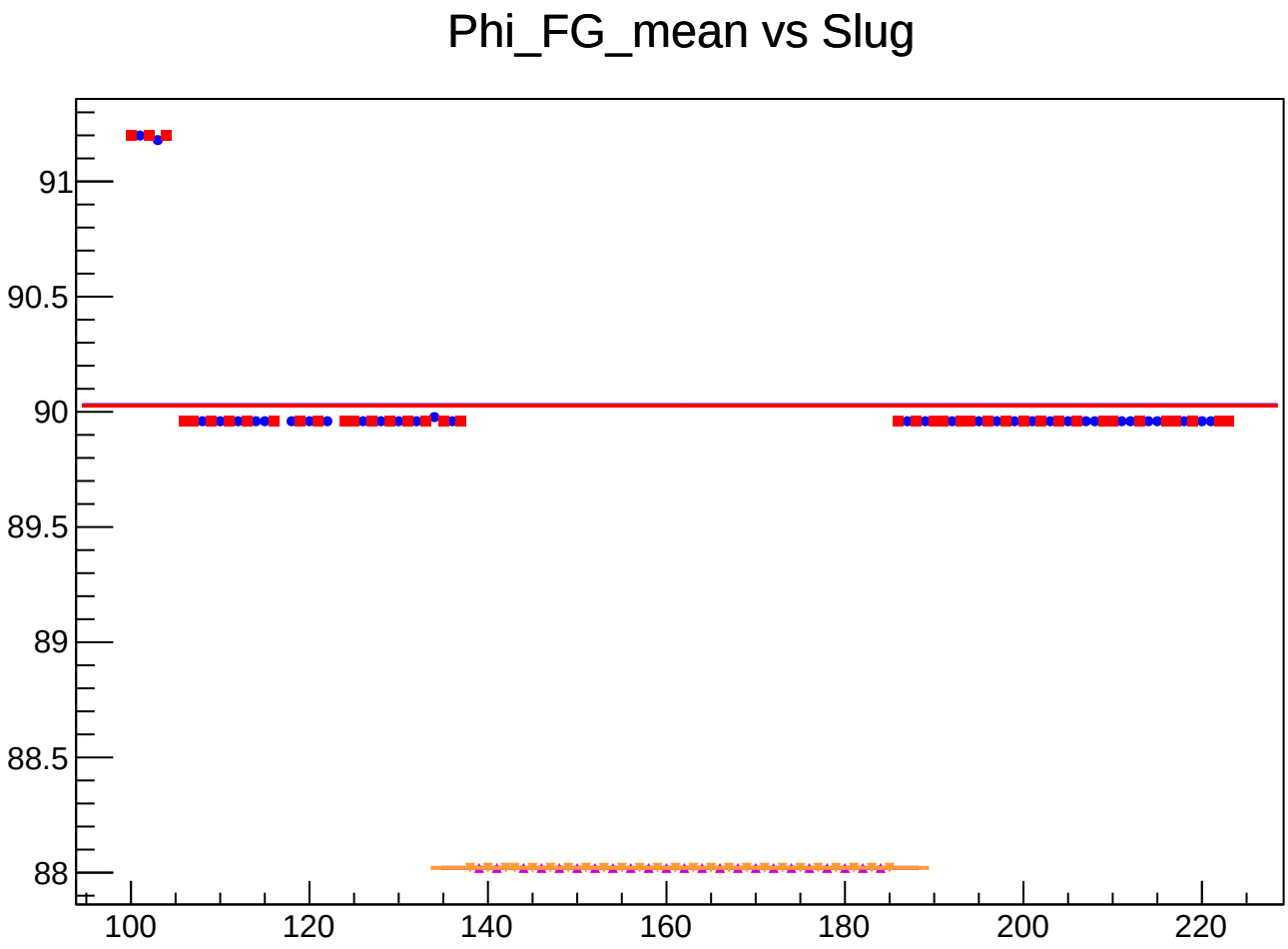
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1473.256+/-0.000 χ^2/NDF: 9367968557

Right Out: 1464.583+/-0.000 χ^2/NDF: 92198682525428579075249231918448771072.0/38

- sign 1466.110+/-0.000 χ^2/NDF: 92210926141880

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



Right In: 90.029+/-0.000 χ^2/NDF: 1827381753824129254183111596441600/33

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.027+/-0.000 χ^2/NDF: 1874714877551303000962908469329920/38

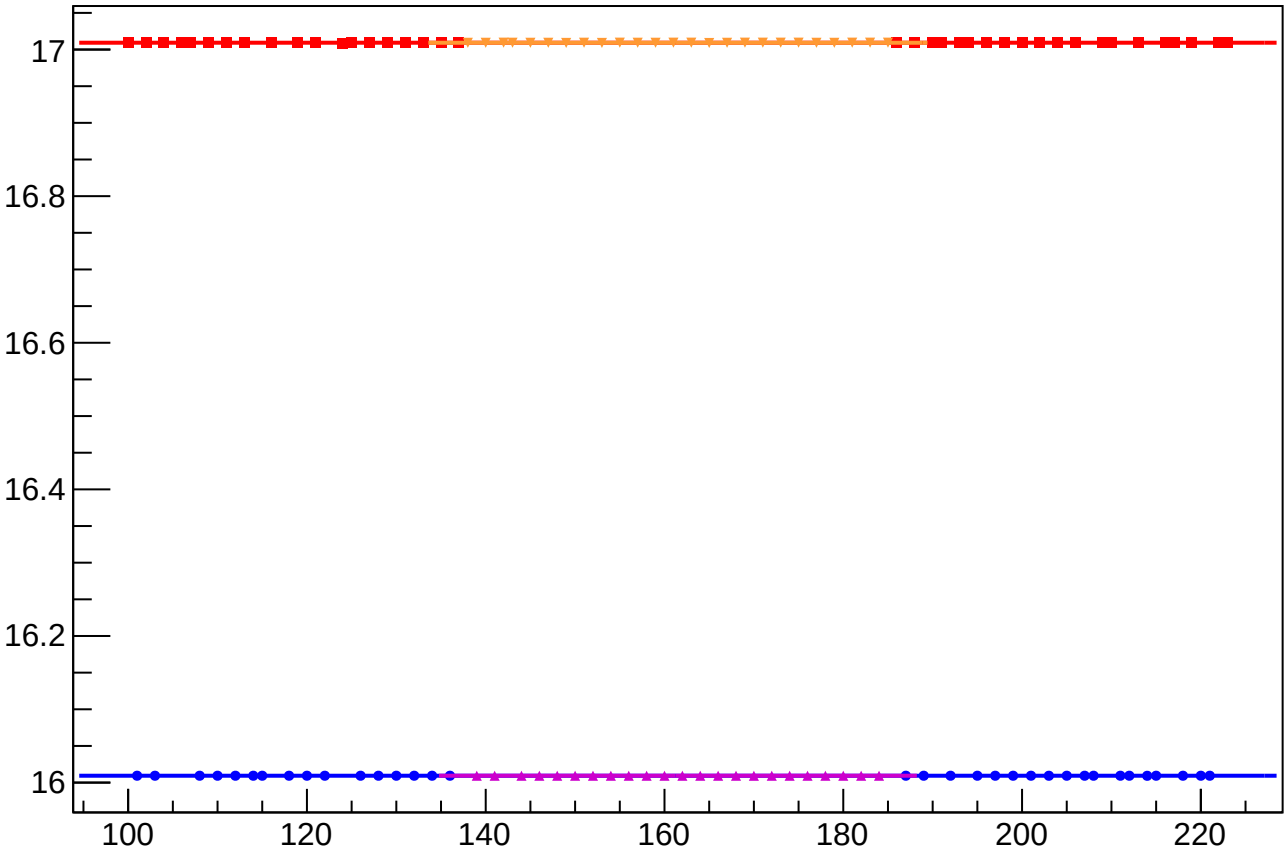
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 89.083+/-0.000 χ^2/NDF: 4489071489618742

All: 89.106+/-0.000 χ^2/NDF: 8920175146166

- sign 89.129+/-0.000 χ^2/NDF: 4426612701869353

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 997451282295002295697408.0/33

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 232565457894257287904624640.0/38

Left In: 16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

+ sign 16.466+/-0.000 χ^2/NDF: 1017059491330144

All: 16.519+/-0.000 χ^2/NDF: 2036659062037

- sign 16.573+/-0.000 χ^2/NDF: 9963801890804194

IGL1I00OD16_16_mean vs Slug

Right In: 17.009+/-0.000 χ^2/NDF: 9976083135251232147374080.0/33

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

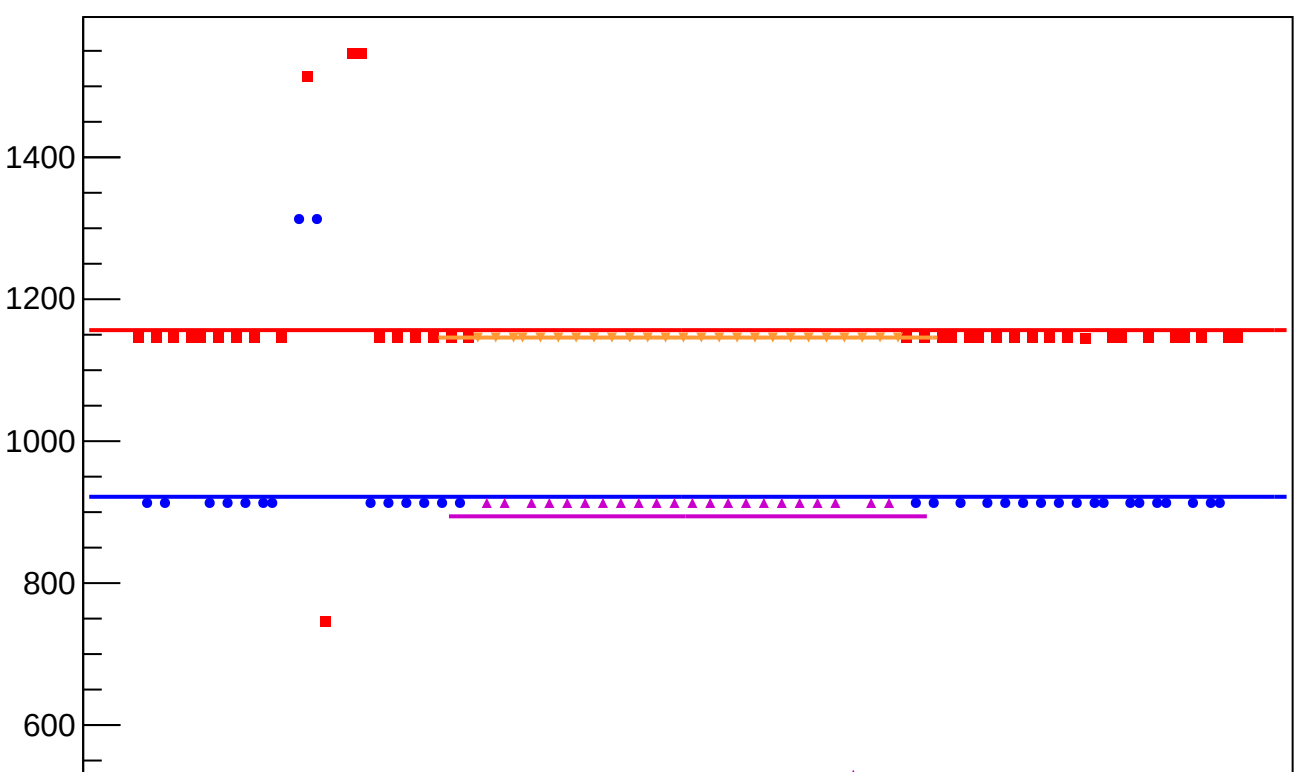
Right Out: 16.009+/-0.000 χ^2/NDF: 2465923202519454135091 2.0/38

Left In: 17.009+/-0.000 χ^2/NDF:1110071044208815662694400.0/22

+ sign 16.538+/-0.000 χ^2/NDF: 1052817987549589

All: 16.495+/-0.000 χ^2/NDF: 2106441966773

- sign 16.451+/-0.000 χ^2/NDF: 1037849605055889



Right In: 921.640+/-0.000 χ^2/NDF: 21431940465507179702101272133634097152.0/33

+ sign 1027.311+/-0.000 χ^2/NDF: 7518324690039

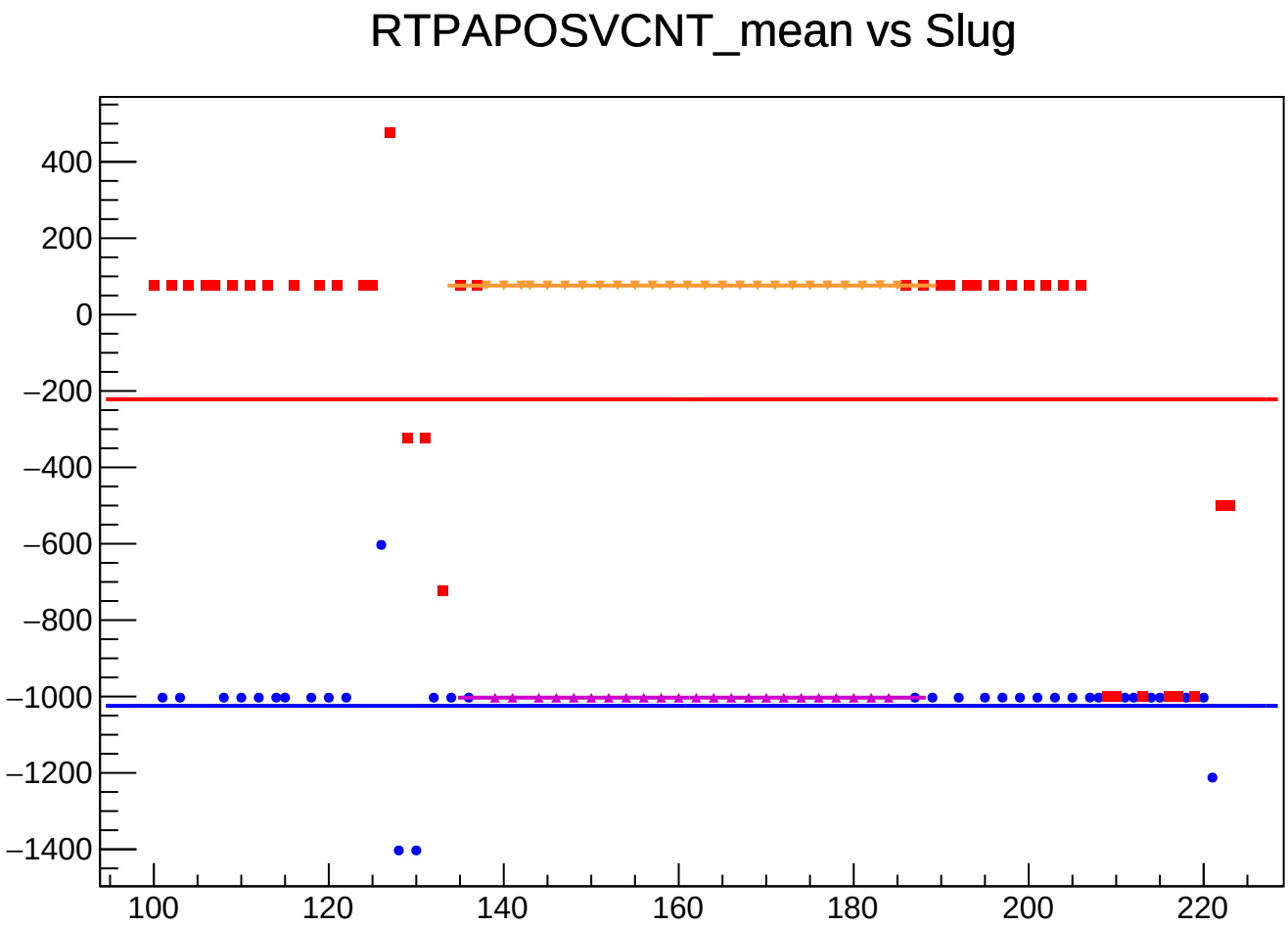
Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

All: 1033.152+/-0.000 χ^2/NDF: 1837440545

Right Out: 1156.471+/-0.000 χ^2/NDF: 22689289248261114040169625844533166080.0/38

- sign 1039.030+/-0.000 χ^2/NDF: 10826750609782

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22



Right In: -1024.505+/-0.000 χ^2/NDF: 2739042349254403916193959411711580569 6.0/33

+ sign -506.203+/-0.000 χ^2/NDF: 13205366590681

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

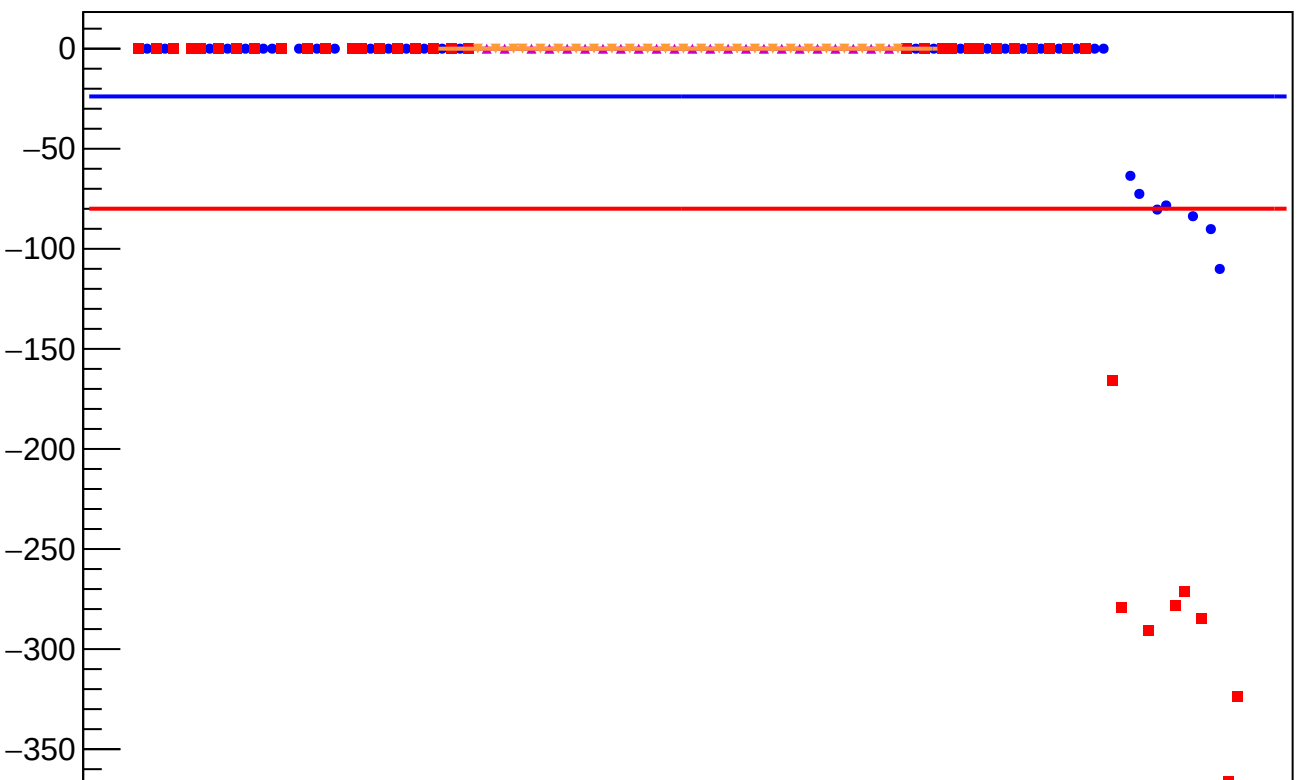
All: -538.712+/-0.000 χ^2/NDF: 247084296 70

Right Out: -221.701+/-0.000 χ^2/NDF: 4985661792519839580315905054508046090 24.0/38

- sign -571.428+/-0.000 χ^2/NDF: 114122021153208

Left In: -1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: -23.858+/-0.000 χ^2/NDF: 335765439148634244302988258899813990 4.0/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -79.952+/-0.000 χ^2/NDF: 397010052042130693119489486525174906 88.0/38

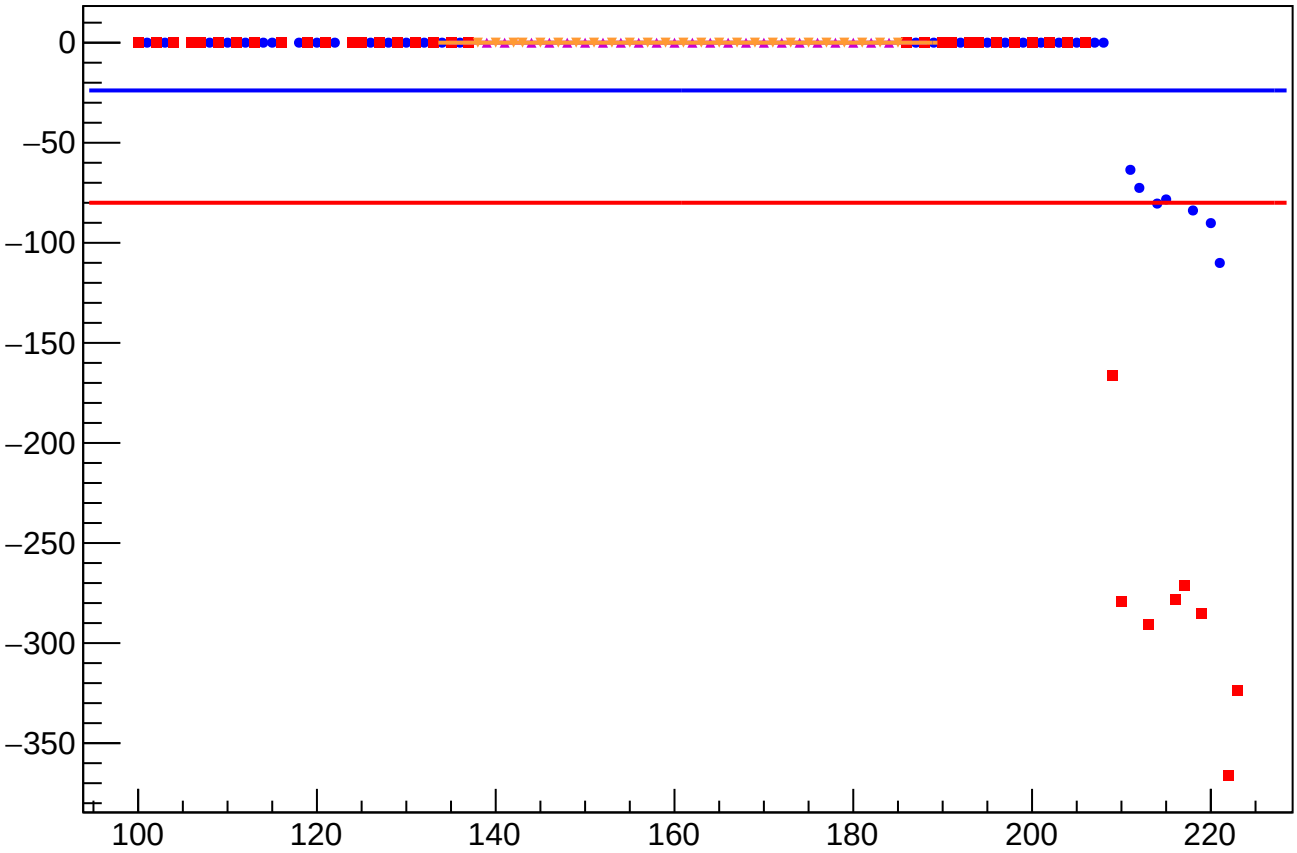
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -12.618+/-0.000 χ^2/NDF: 396582449181274

All: -28.339+/-0.000 χ^2/NDF: 525231675069

- sign -44.159+/-0.000 χ^2/NDF: 464325841963750

RTPPITA2CNT_mean vs Slug



Right In: -23.863+/-0.000 χ^2/NDF: 335902964442697365641158918611245465 6.0/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -79.979+/-0.000 χ^2/NDF: 397162169835964510062444522692935680 00.0/38

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -12.620+/-0.000 χ^2/NDF: 396745777018252

All: -28.347+/-0.000 χ^2/NDF: 525462163690

- sign -44.174+/-0.000 χ^2/NDF: 464523484462630 7