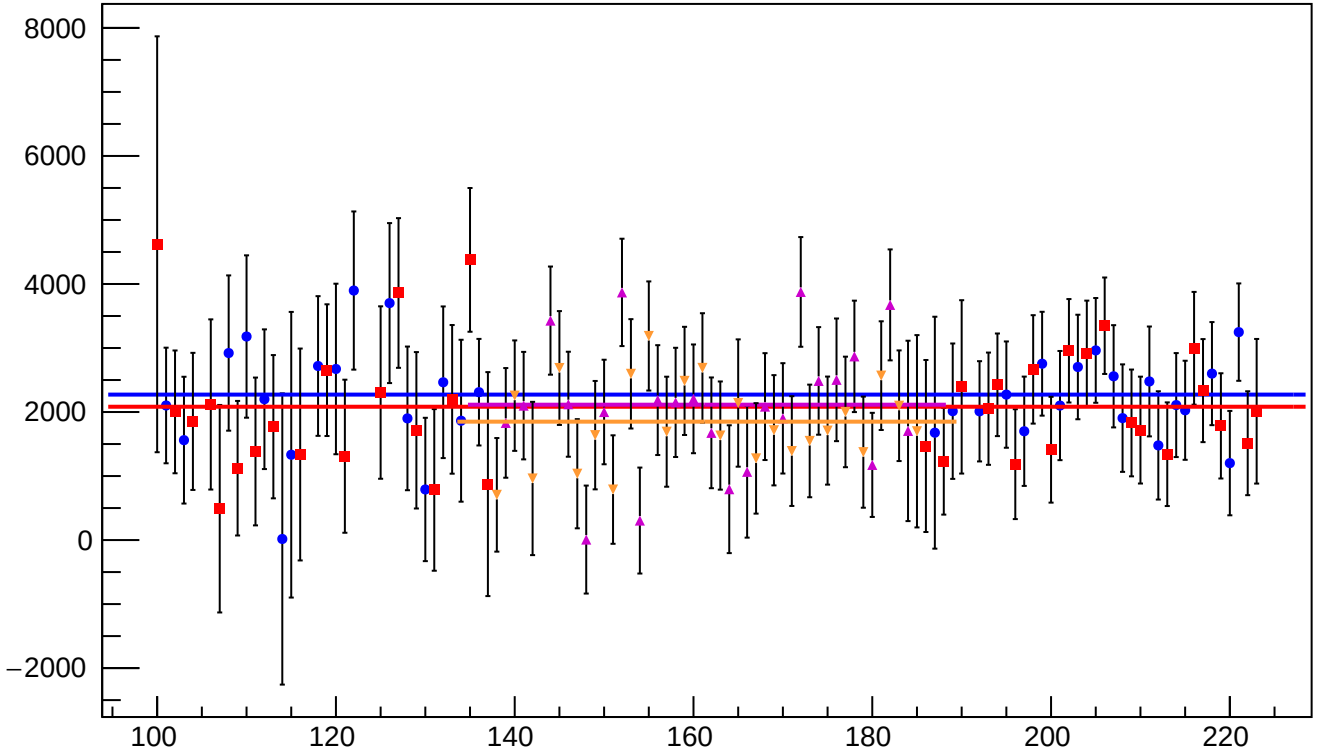
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

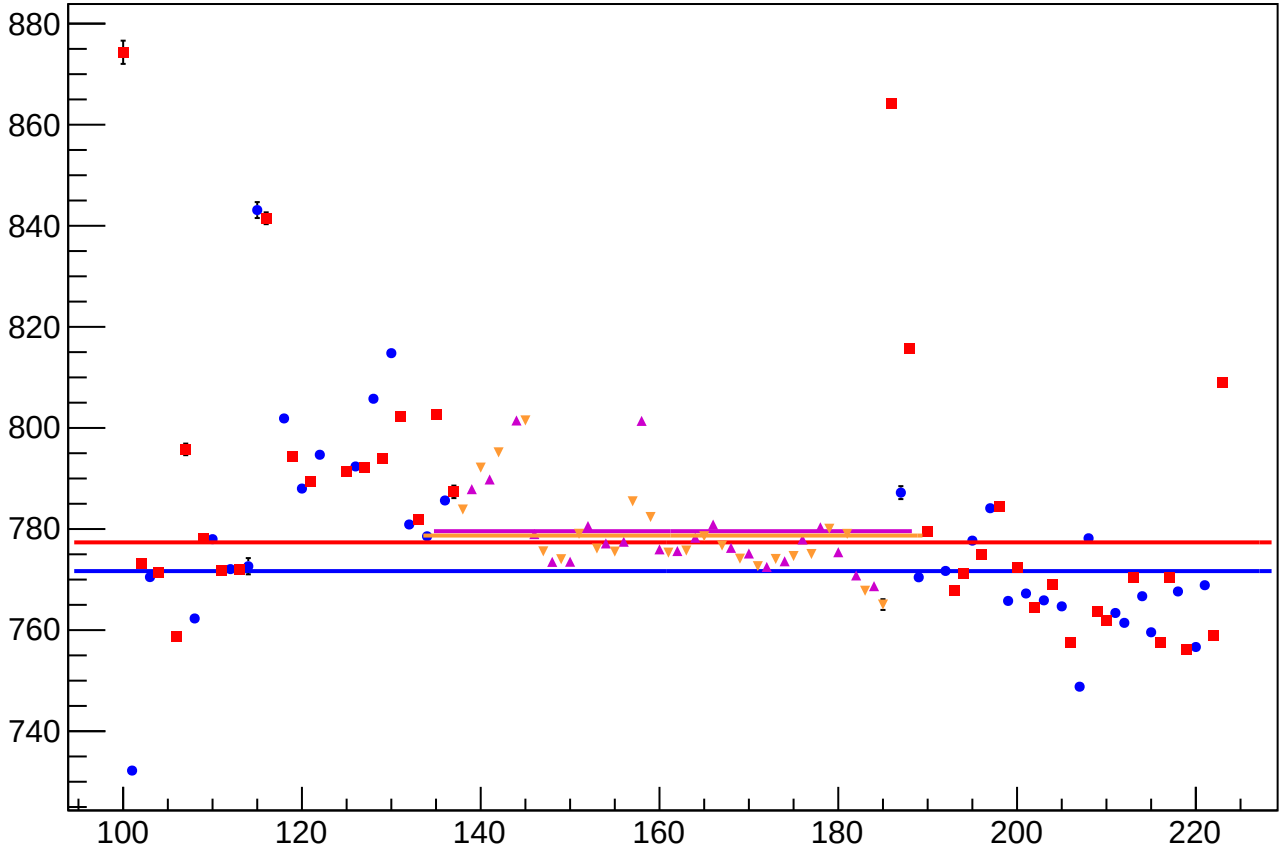
Right: 2177.139+/-115.935 χ^2/NDF: 39.2/70

In: 2201.423+/-121.912 χ^2/NDF:46.3/56

Out: 1977.564+/-121.349 χ^2/NDF:37.4/60

All: 2088.975+/-86.005 χ^2/NDF: 85.4/117

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

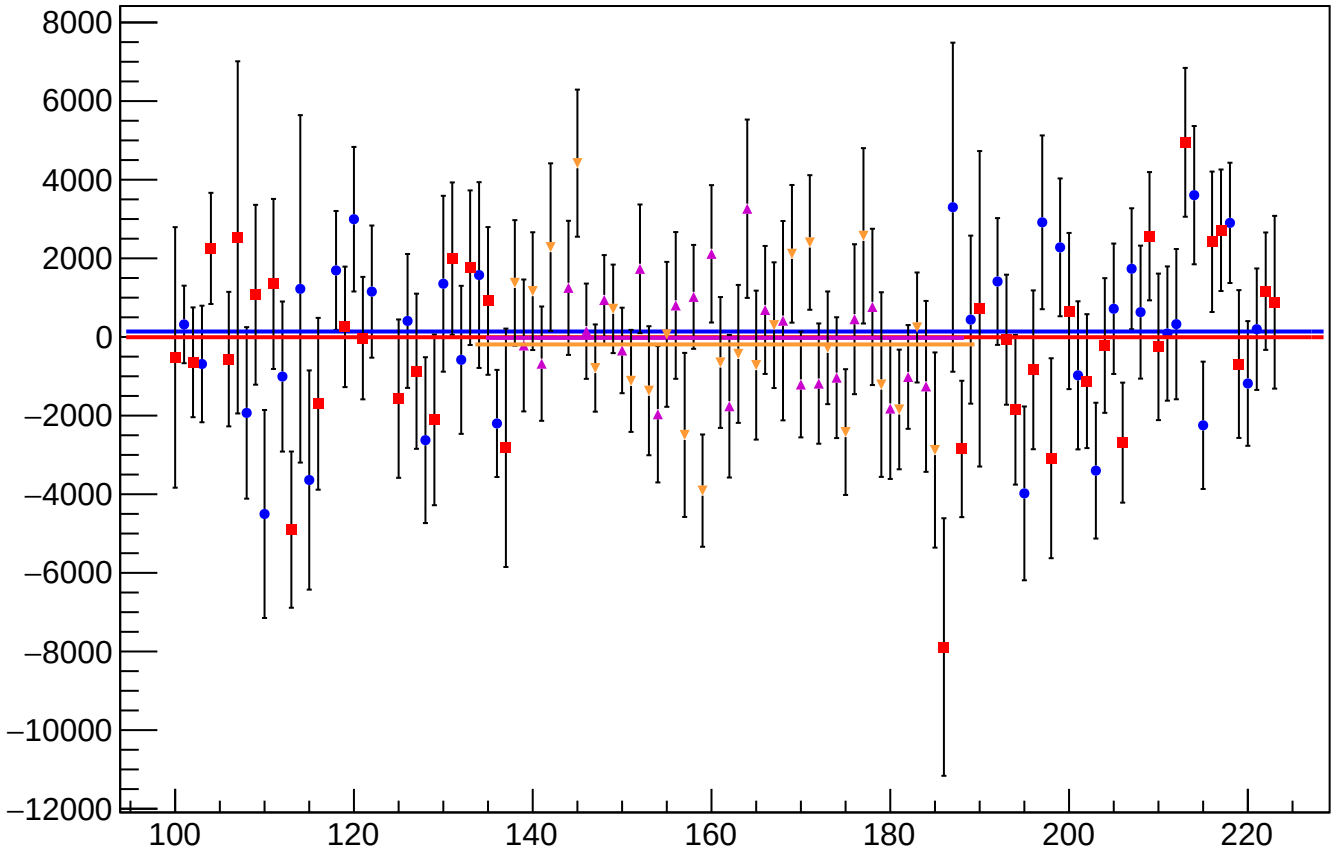
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.526+/-0.082 χ^2/NDF: 51450.7/70

In: 775.220+/-0.086 χ^2/NDF:25574.0/56

Out: 777.968+/-0.086 χ^2/NDF:34375.0/60

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



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

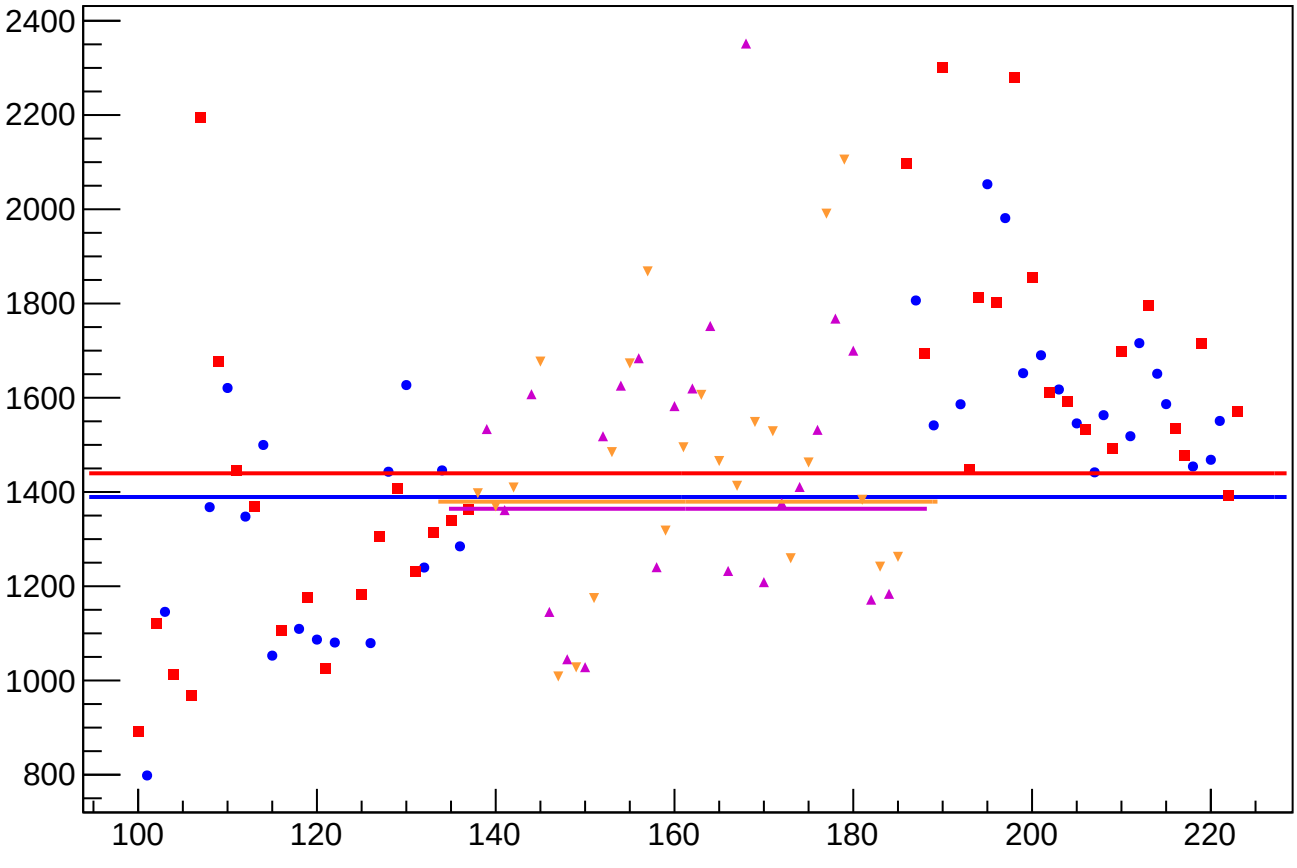
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 68.103+/-217.158 χ^2/NDF: 84.8/70

In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -92.852+/-225.541 χ^2/NDF:74.9/60

All: -13.518+/-158.233 χ^2/NDF: 128.3/117



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

Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

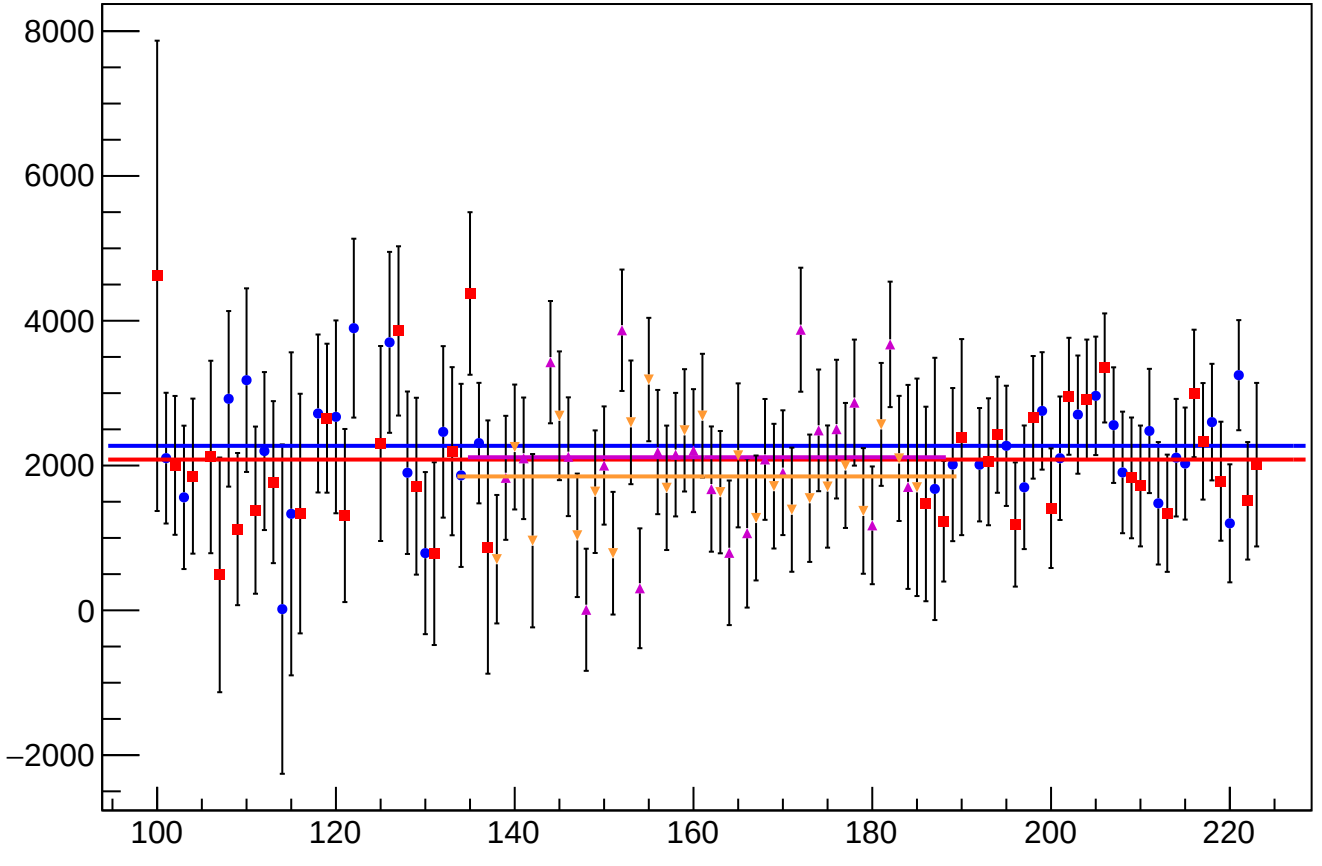
Right: 1413.905+/-0.154 χ^2/NDF: 3661209.9/70

In: 1377.779+/-0.157 χ^2/NDF:3173443.4/56

Out: 1411.175+/-0.159 χ^2/NDF:2973459.1/60

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

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

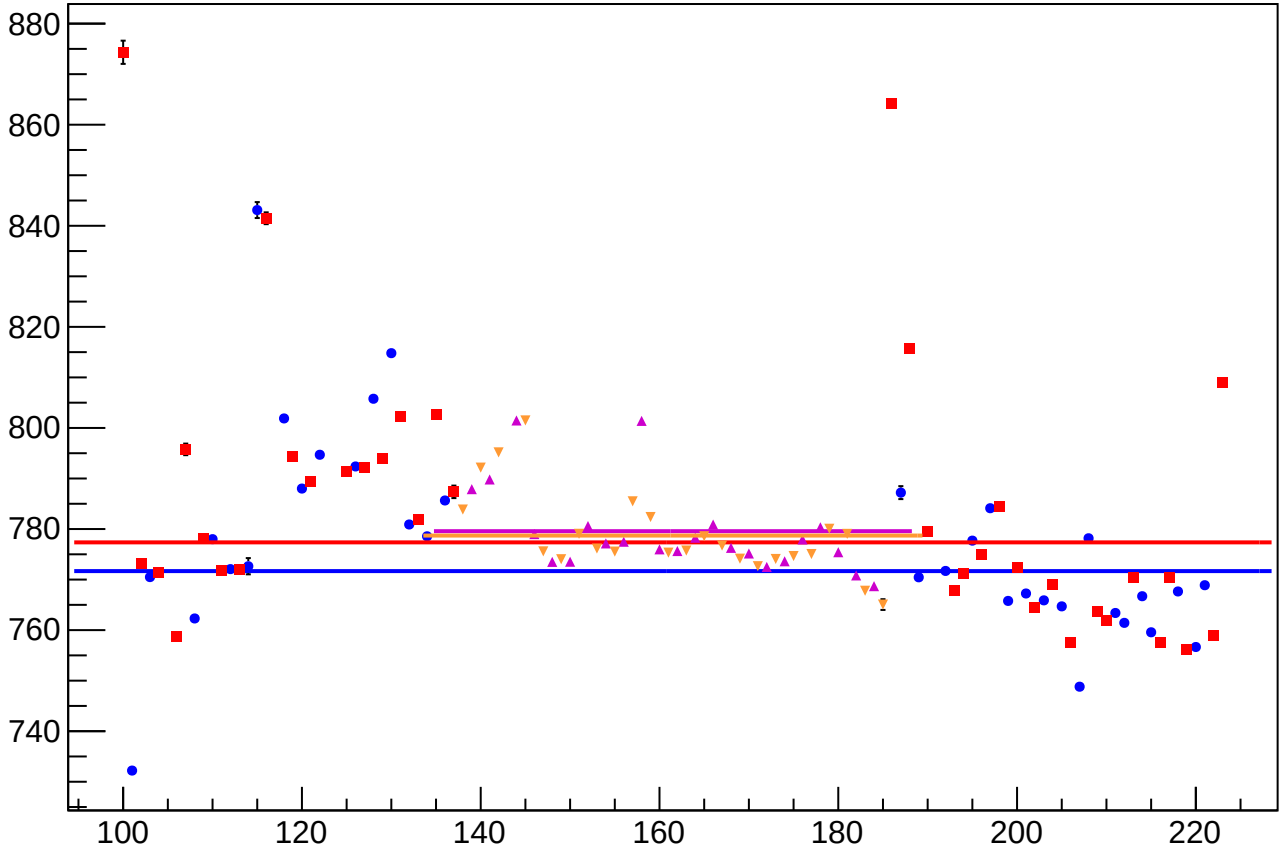
Right: 2177.139+/-115.935 χ^2/NDF: 39.2/70

In: 2201.423+/-121.912 χ^2/NDF:46.3/56

Out: 1977.564+/-121.349 χ^2/NDF:37.4/60

All: 2088.975+/-86.005 χ^2/NDF: 85.4/117

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

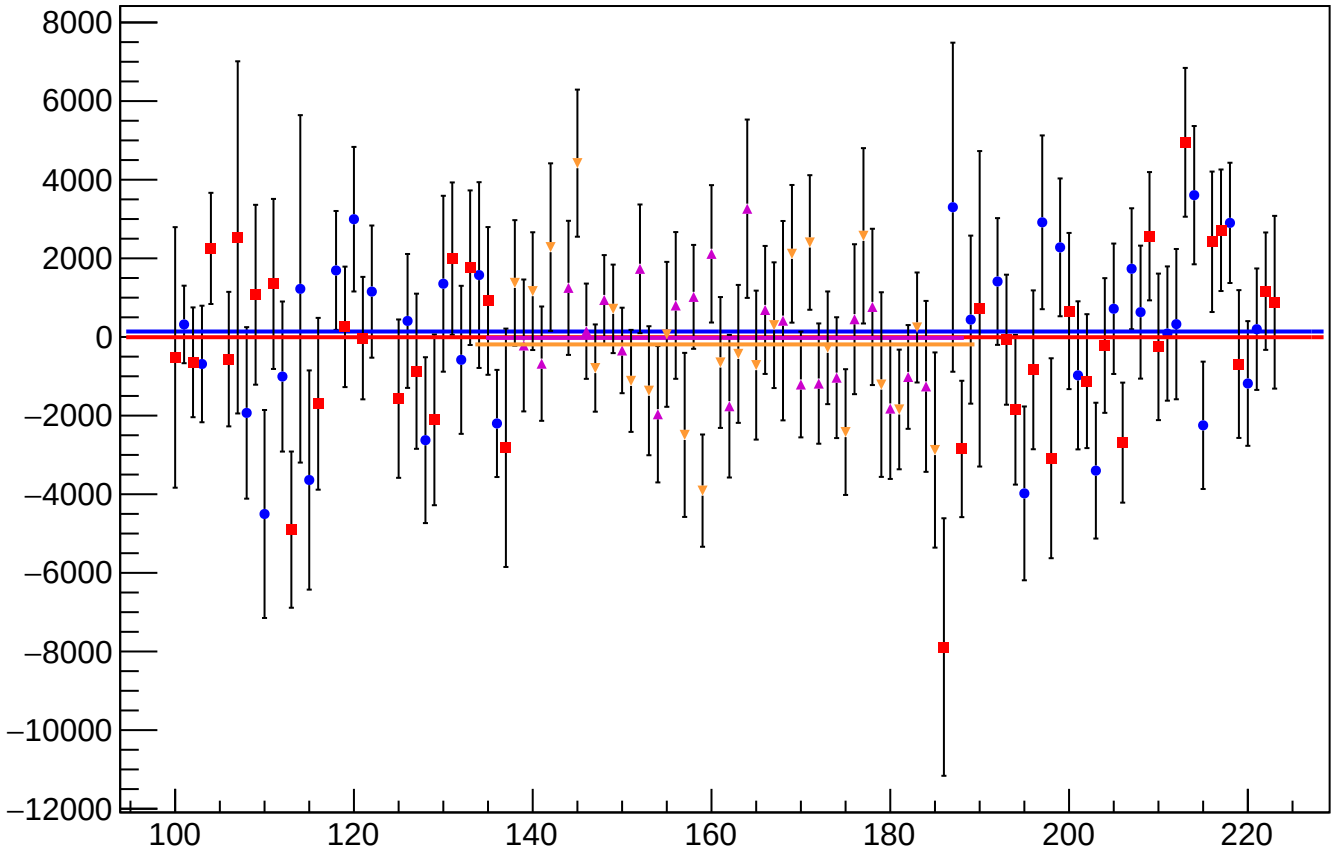
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.526+/-0.082 χ^2/NDF: 51450.7/70

In: 775.220+/-0.086 χ^2/NDF:25574.0/56

Out: 777.968+/-0.086 χ^2/NDF:34375.0/60

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



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

Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

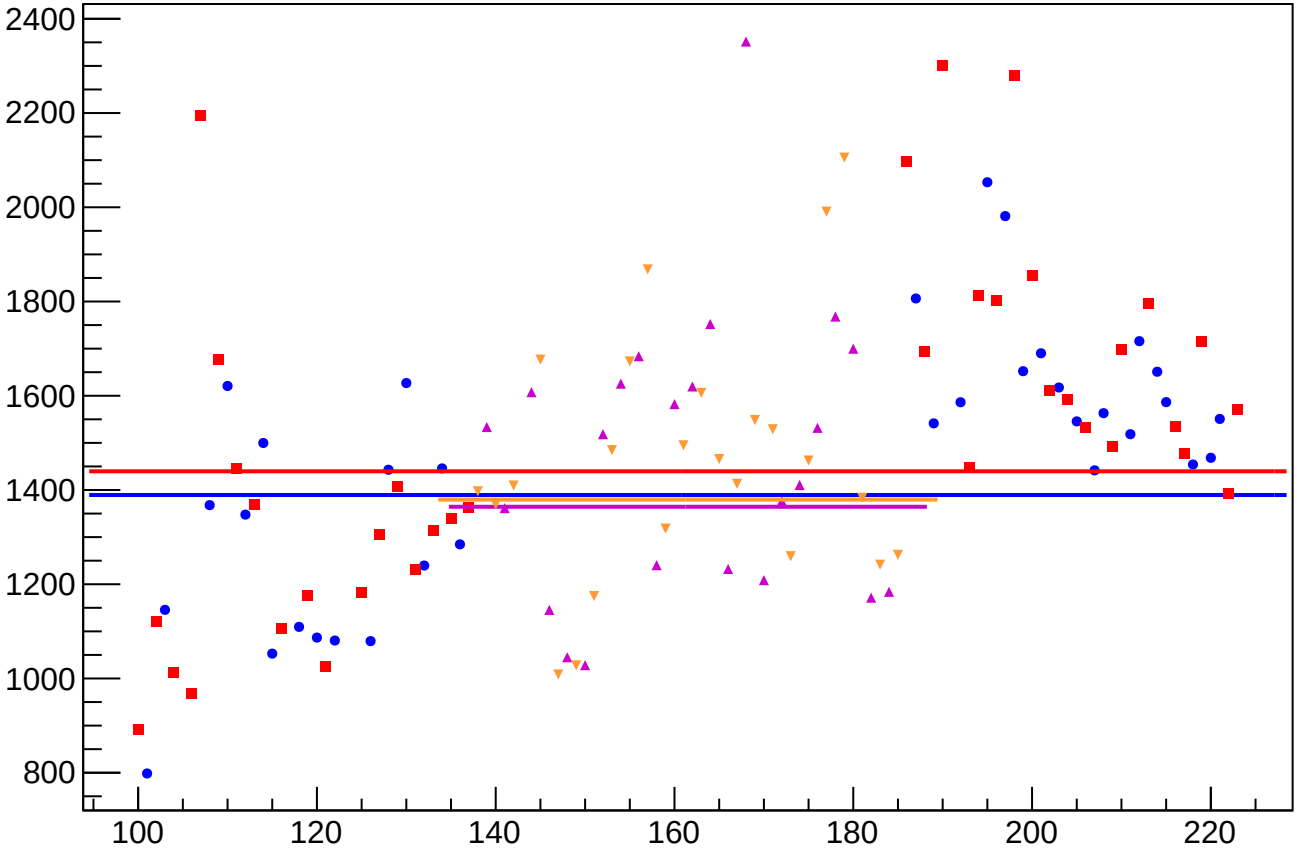
Right: 68.103+/-217.158 χ^2/NDF: 84.8/70

In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -92.852+/-225.541 χ^2/NDF:74.9/60

All: -13.518+/-158.233 χ^2/NDF: 128.3/117

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

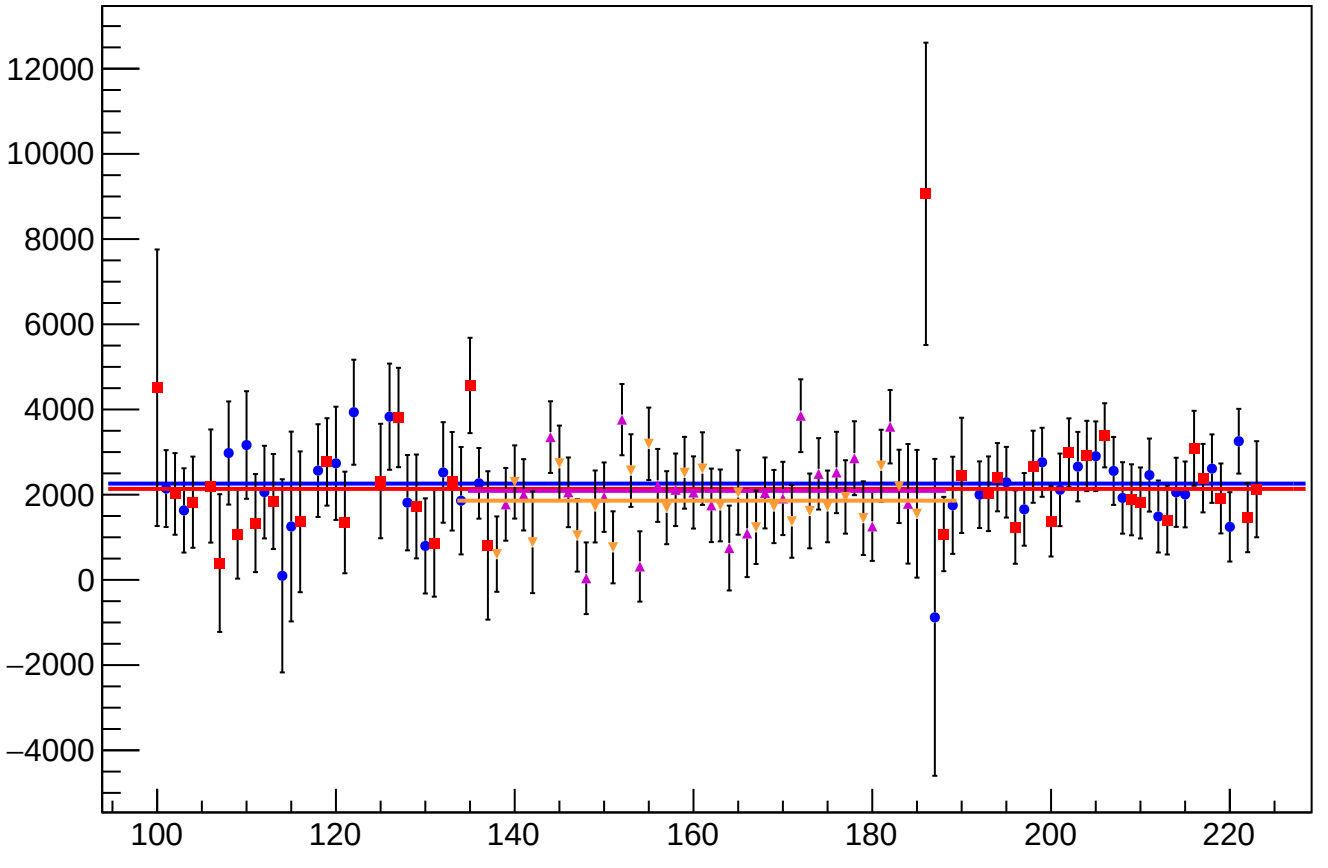
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1413.905+/-0.154 χ^2/NDF: 3661209.9/70

In: 1377.779+/-0.157 χ^2/NDF:3173443.4/56

Out: 1411.175+/-0.159 χ^2/NDF:2973459.1/60

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



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

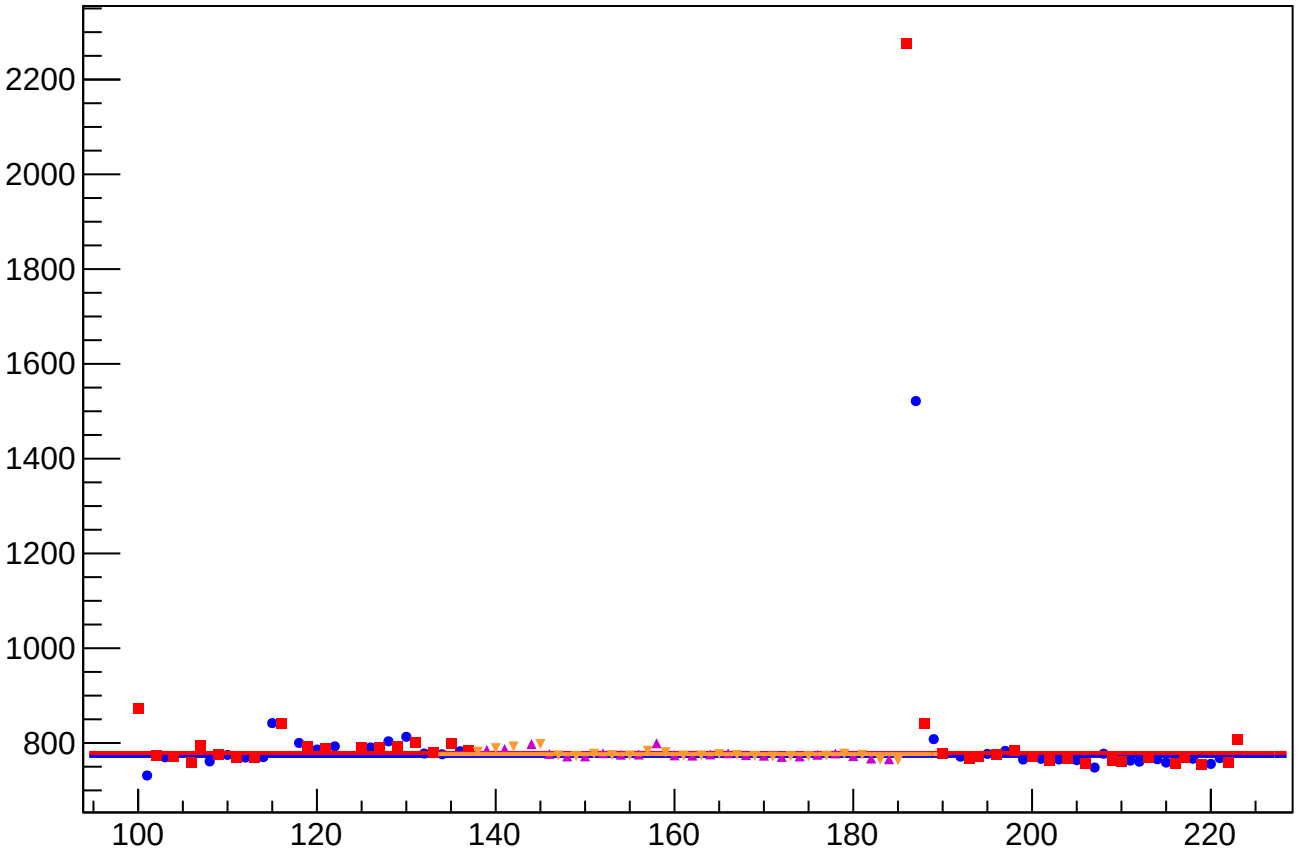
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2198.121+/-116.533 χ^2/NDF: 44.6/70

In: 2183.093+/-121.988 χ^2/NDF:45.8/56

Out: 2010.018+/-121.651 χ^2/NDF:43.4/60

All: 2096.316+/-86.139 χ^2/NDF: 90.3/117



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

Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

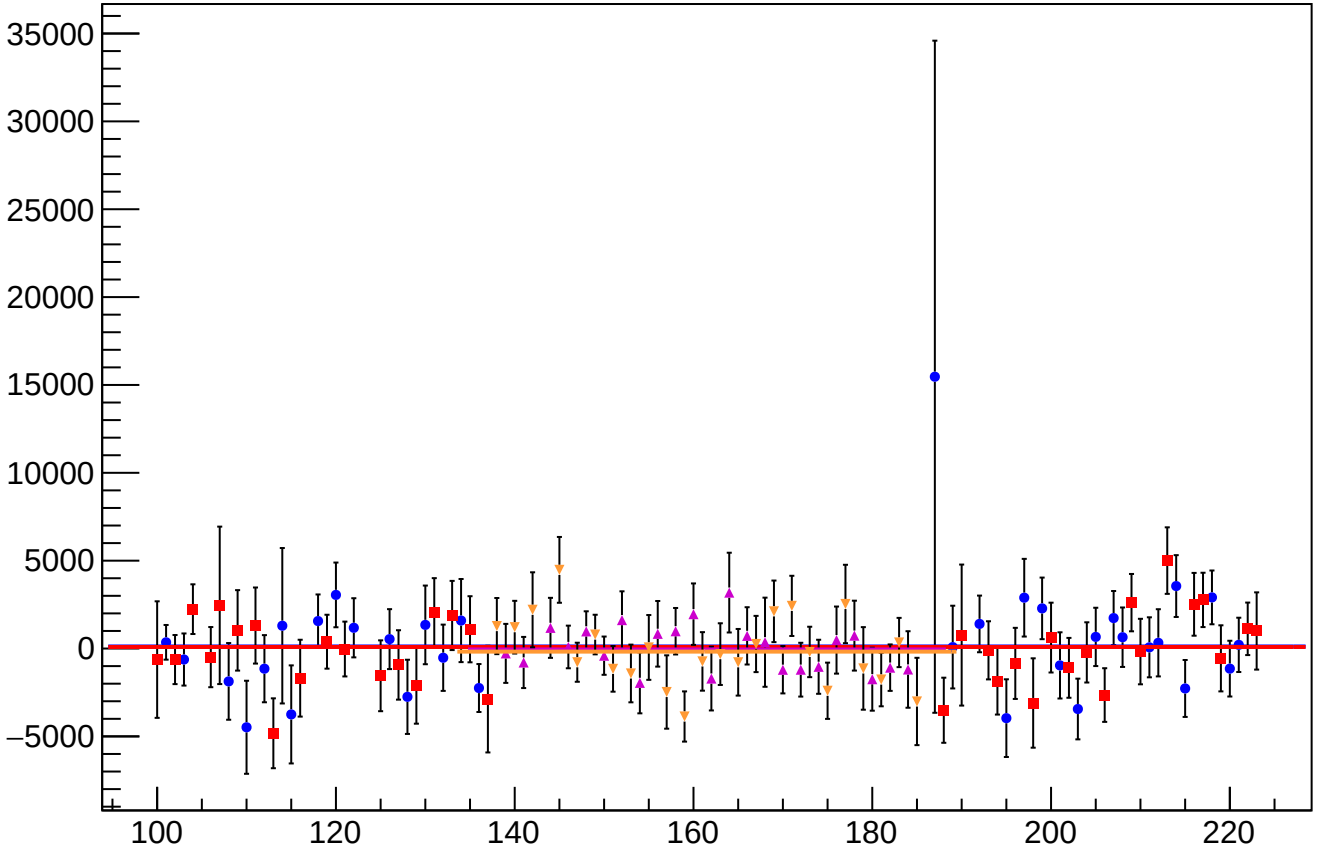
Right: 775.870+/-0.082 χ^2/NDF: 488629.2/70

In: 774.833+/-0.086 χ^2/NDF:106516.0/56

Out: 777.891+/-0.086 χ^2/NDF:388786.6/60

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

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



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

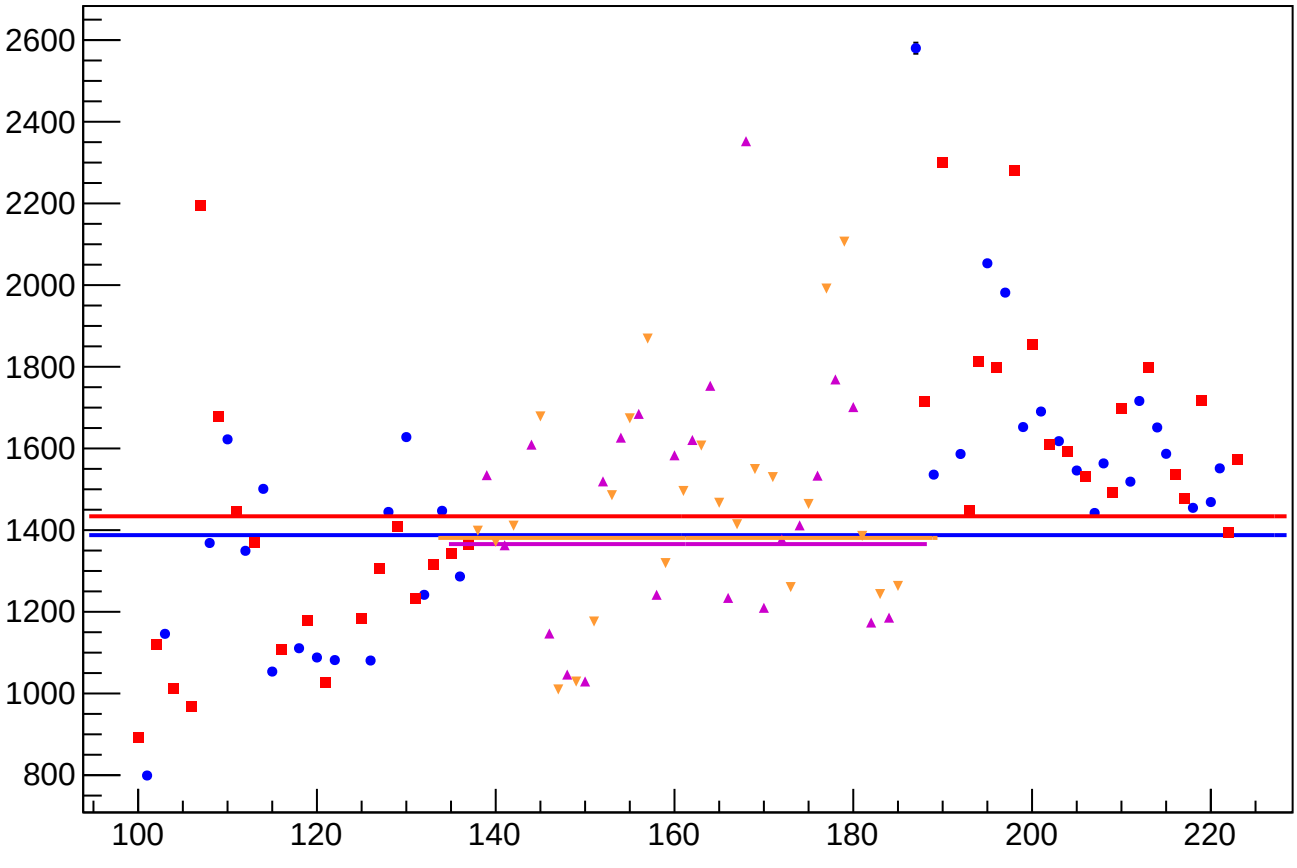
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: 102.819+/-218.457 χ^2/NDF: 80.4/69

In: 37.395+/-222.733 χ^2/NDF:52.9/56

Out: -37.038+/-226.486 χ^2/NDF:70.5/59

All: 0.801+/-158.806 χ^2/NDF: 123.5/116



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

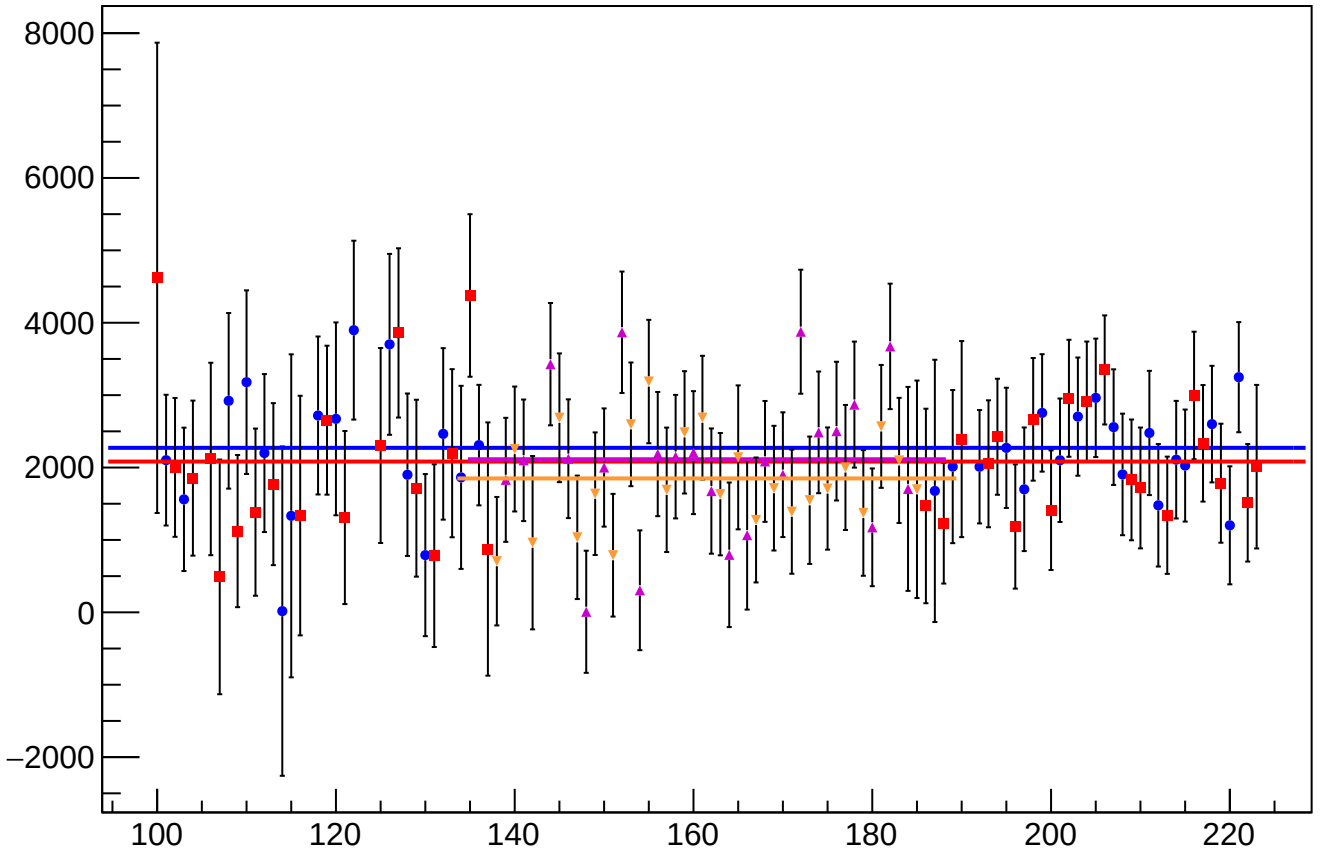
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1410.210+/-0.154 χ^2/NDF: 3549571.4/69

In: 1377.520+/-0.157 χ^2/NDF:3148567.0/56

Out: 1408.647+/-0.160 χ^2/NDF:2875109.5/59

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



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

Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

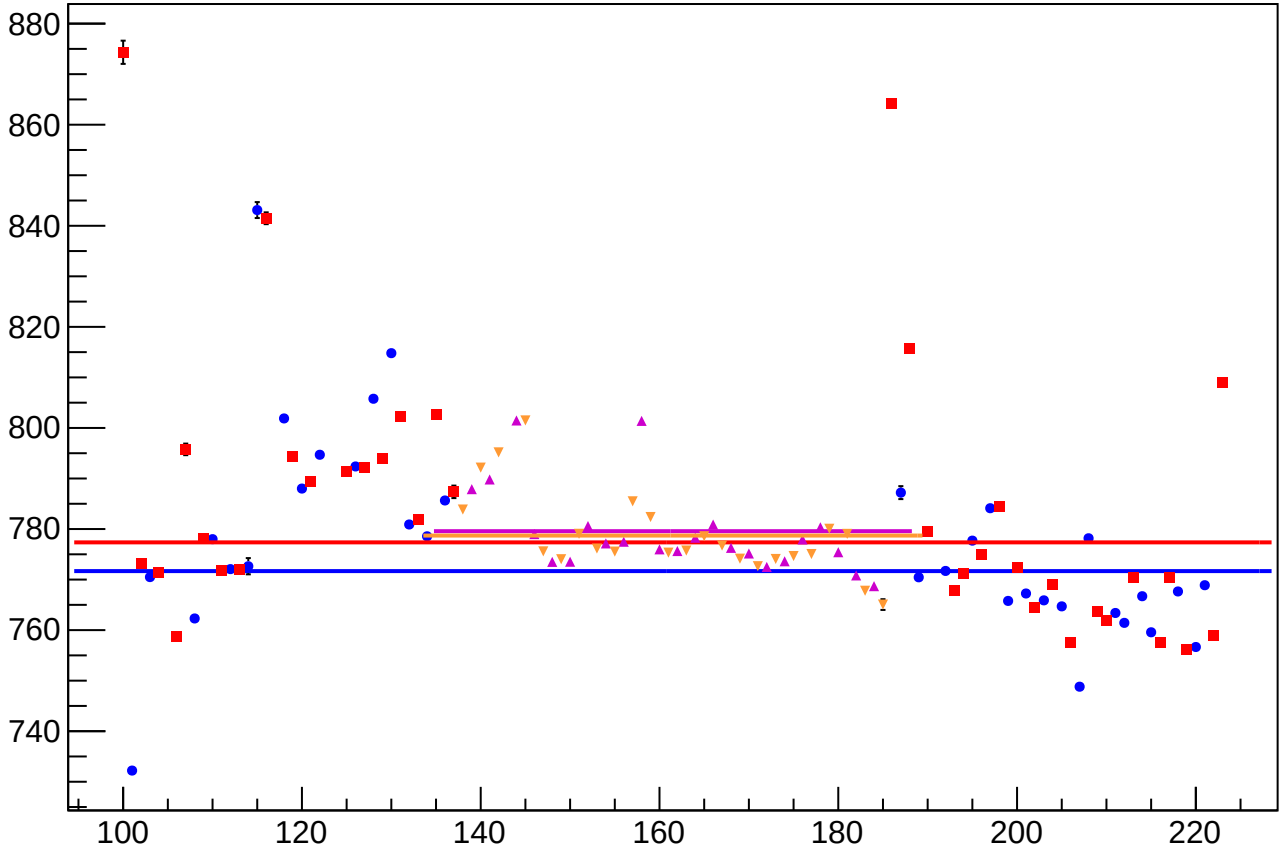
Right: 2177.139+/-115.935 χ^2/NDF: 39.2/70

In: 2201.423+/-121.912 χ^2/NDF:46.3/56

Out: 1977.564+/-121.349 χ^2/NDF:37.4/60

All: 2088.975+/-86.005 χ^2/NDF: 85.4/117

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

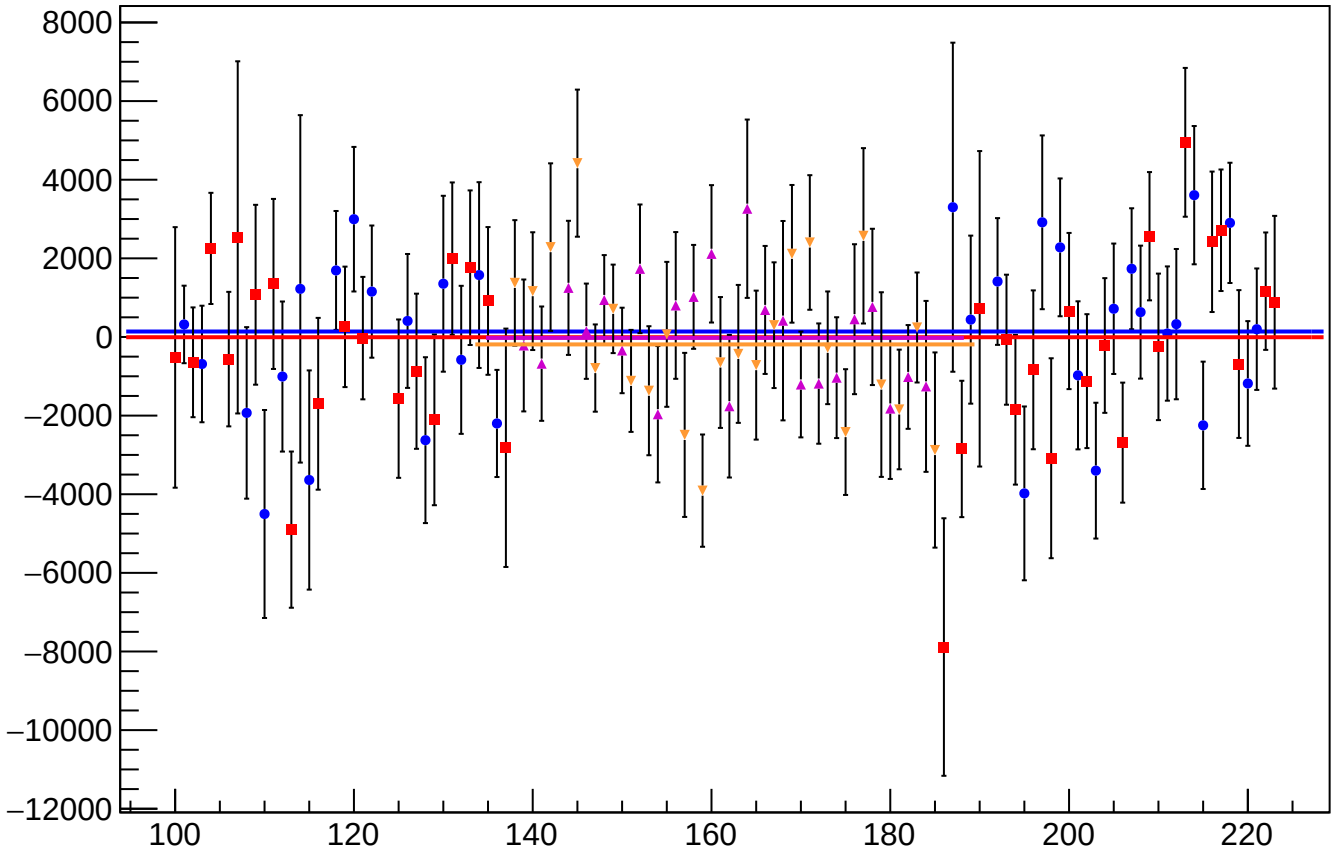
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.526+/-0.082 χ^2/NDF: 51450.7/70

In: 775.220+/-0.086 χ^2/NDF:25574.0/56

Out: 777.968+/-0.086 χ^2/NDF:34375.0/60

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



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

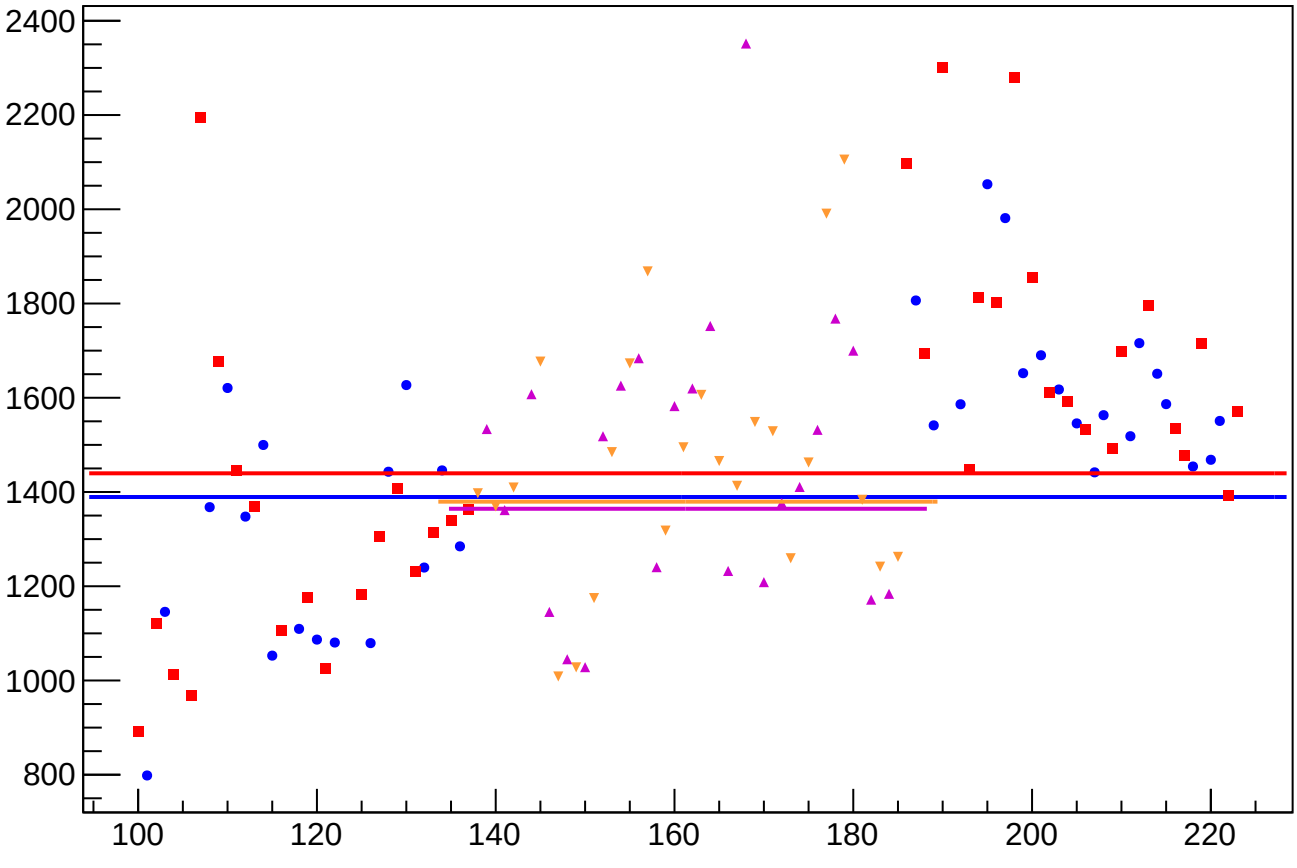
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 68.103+/-217.158 χ^2/NDF: 84.8/70

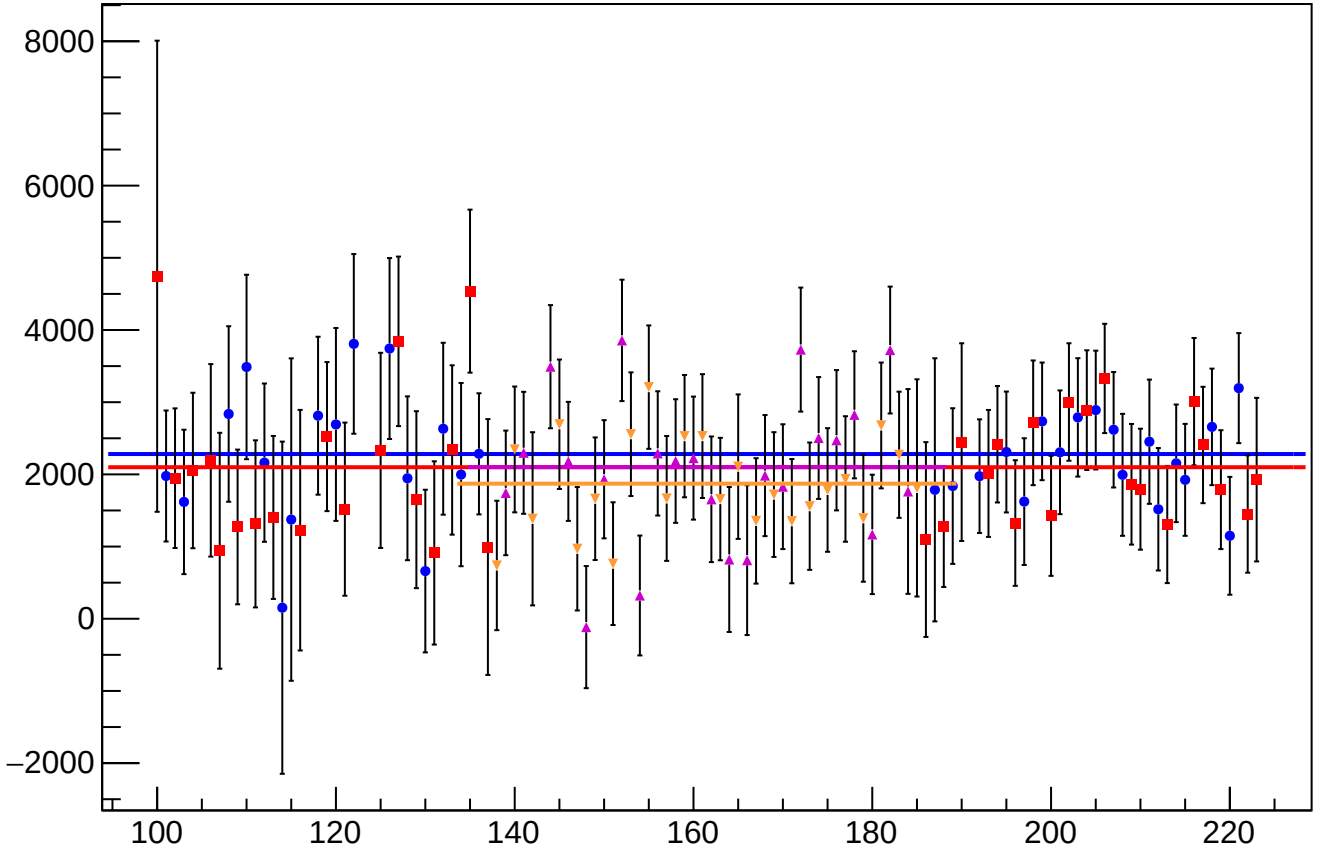
In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -92.852+/-225.541 χ^2/NDF:74.9/60

All: -13.518+/-158.233 χ^2/NDF: 128.3/117


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
220
Right In: 1389.373+/-0.215 χ²/NDF: 1854857.3/33
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1439.660+/-0.220 χ²/NDF: 1779556.6/36
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1413.905+/-0.154 χ²/NDF: 3661209.9/70
In: 1377.779+/-0.157 χ²/NDF:3173443.4/56
Out: 1411.175+/-0.159 χ²/NDF:2973459.1/60
All: 1394.217+/-0.112 χ²/NDF: 6169169.5/11

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left: 1985.496+/-129.100 χ^2/NDF: 45.0/46

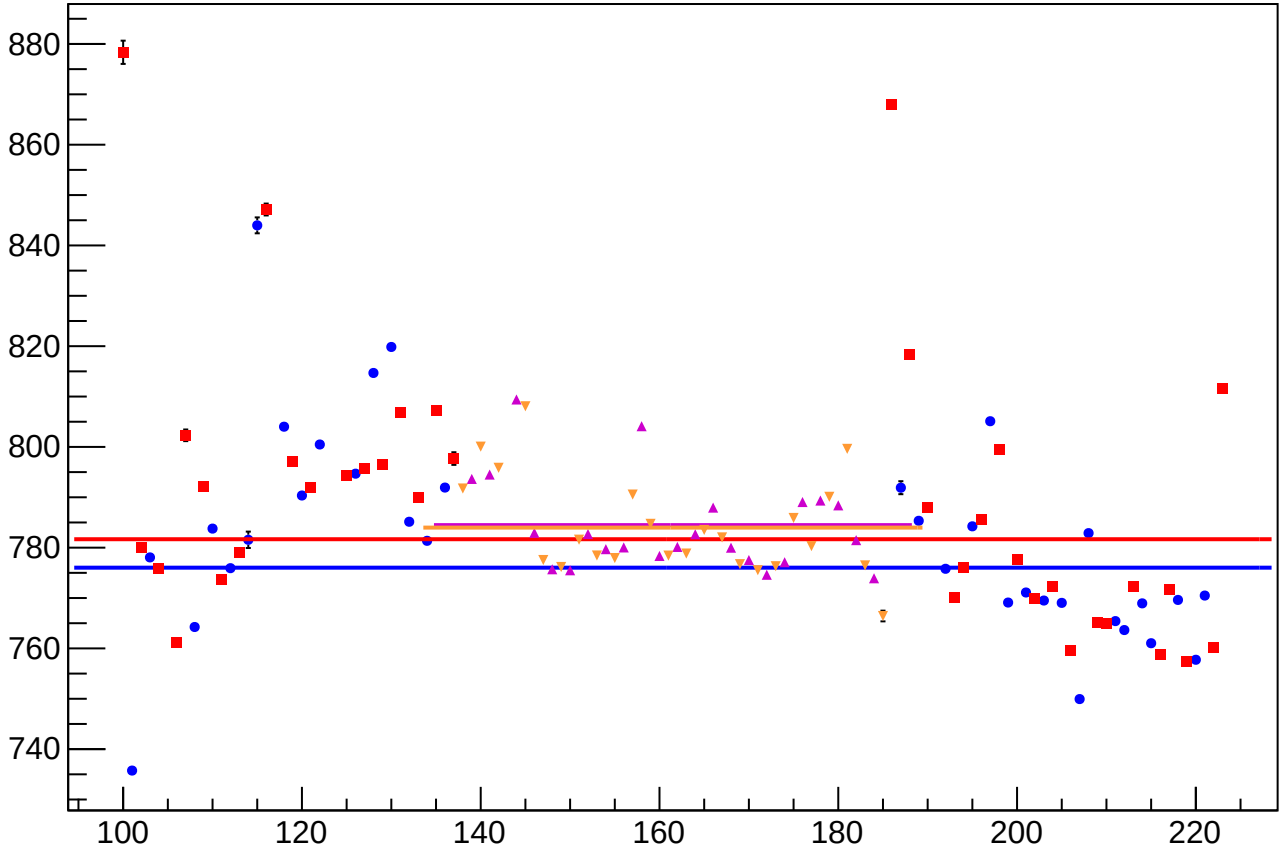
Right: 2190.302+/-116.602 χ^2/NDF: 39.3/70

In: 2200.788+/-122.646 χ^2/NDF:47.6/56

Out: 1996.692+/-122.106 χ^2/NDF:36.7/60

All: 2098.289+/-86.532 χ^2/NDF: 85.7/117

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

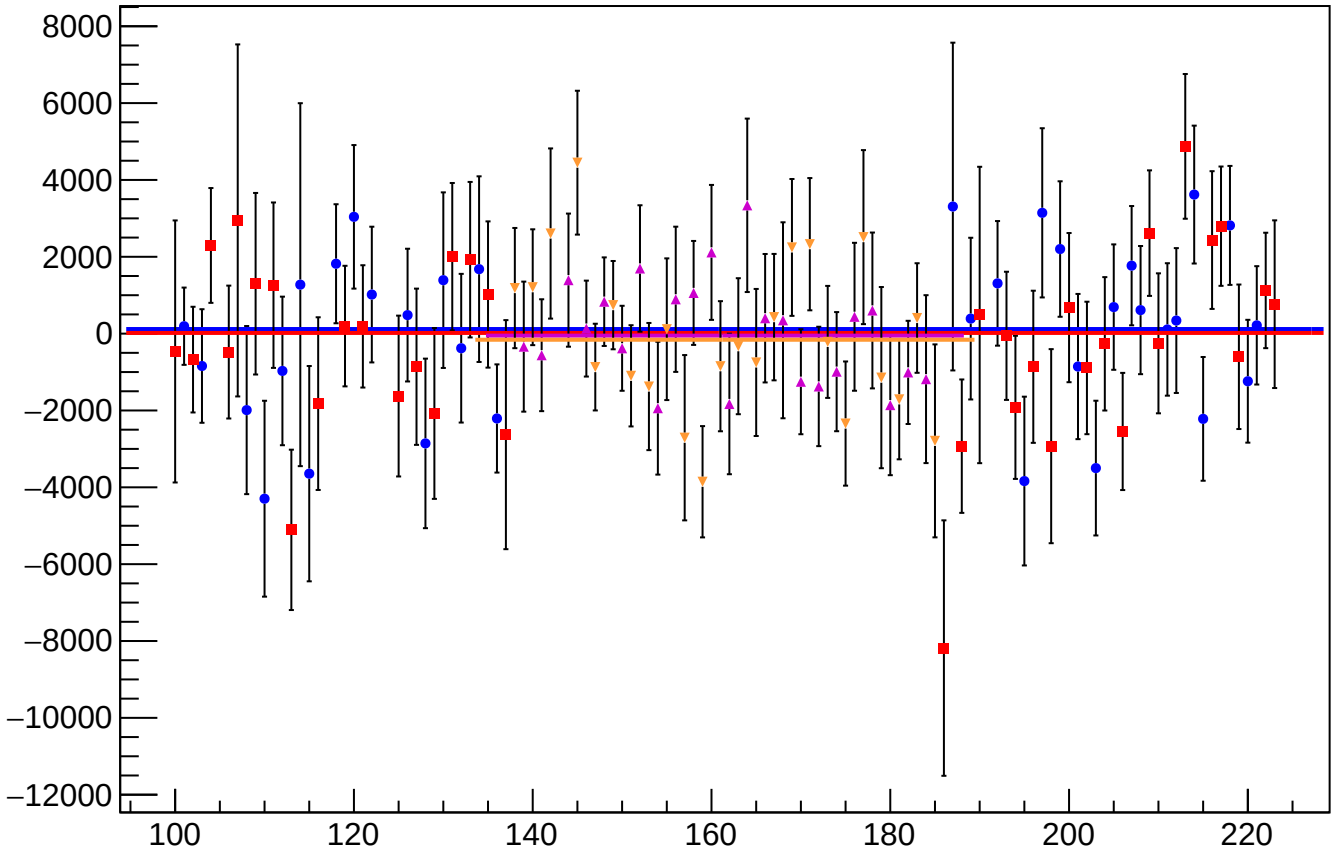
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 778.859+/-0.082 χ^2/NDF: 57822.7/70

In: 779.813+/-0.087 χ^2/NDF:30614.3/56

Out: 782.714+/-0.086 χ^2/NDF:38413.1/60

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



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

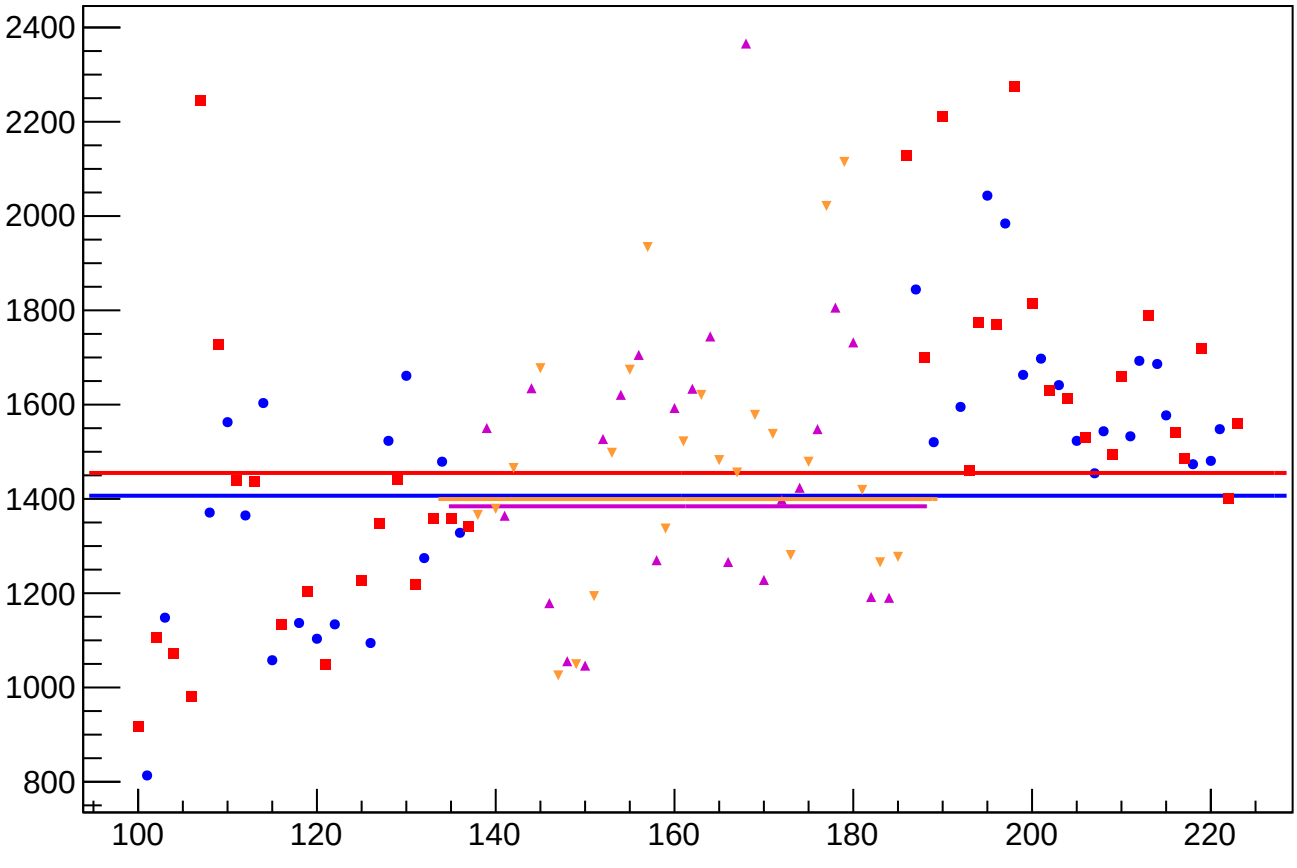
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: 70.190+/-219.147 χ^2/NDF: 84.1/70

In: 40.382+/-224.644 χ^2/NDF:52.6/56

Out: -65.421+/-227.980 χ^2/NDF:74.3/60

All: -11.740+/-160.014 χ^2/NDF: 127.0/117



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

Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

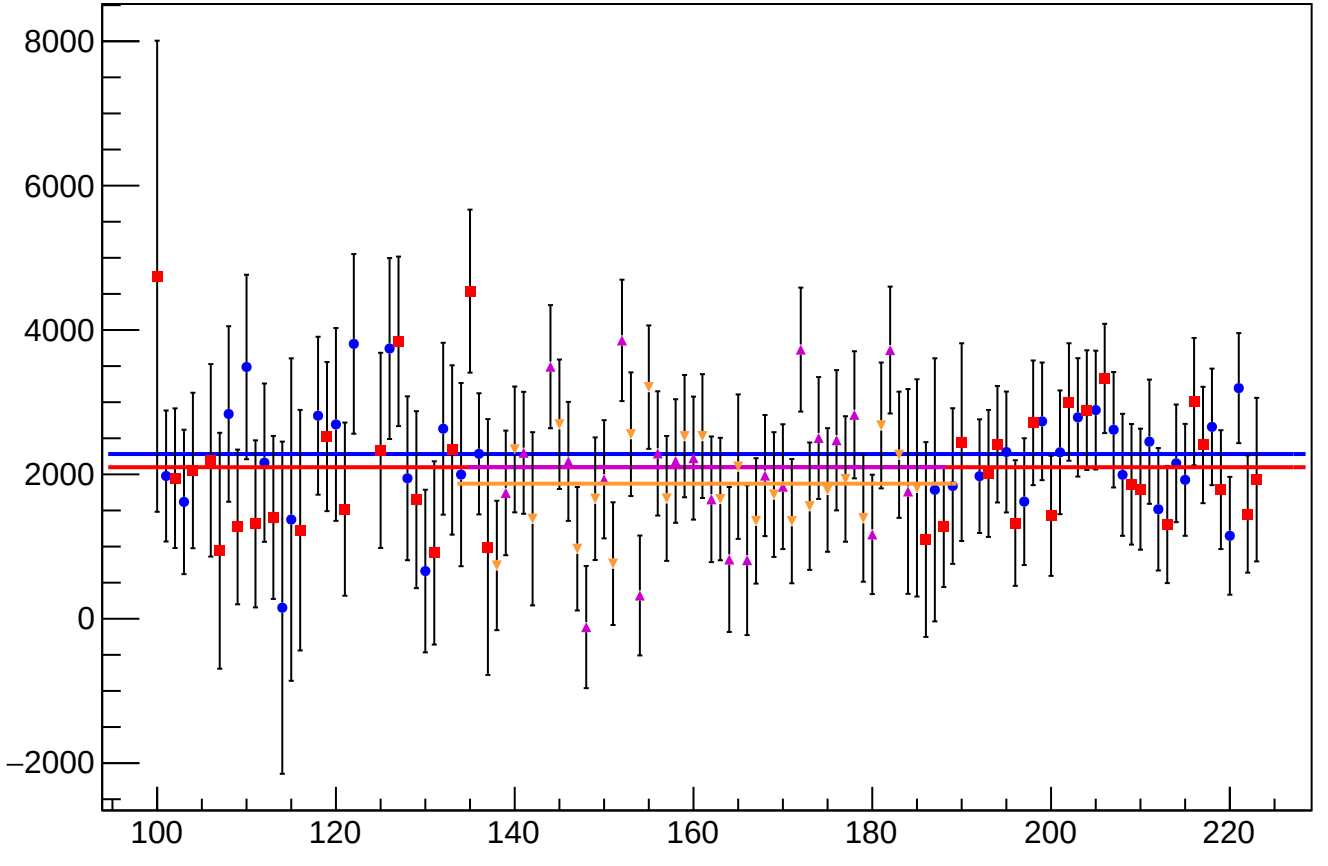
Right: 1430.372+/-0.155 χ^2/NDF: 3374826.3/70

In: 1396.377+/-0.159 χ^2/NDF:3013308.8/56

Out: 1429.001+/-0.161 χ^2/NDF:2777840.4/60

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

eigen_dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

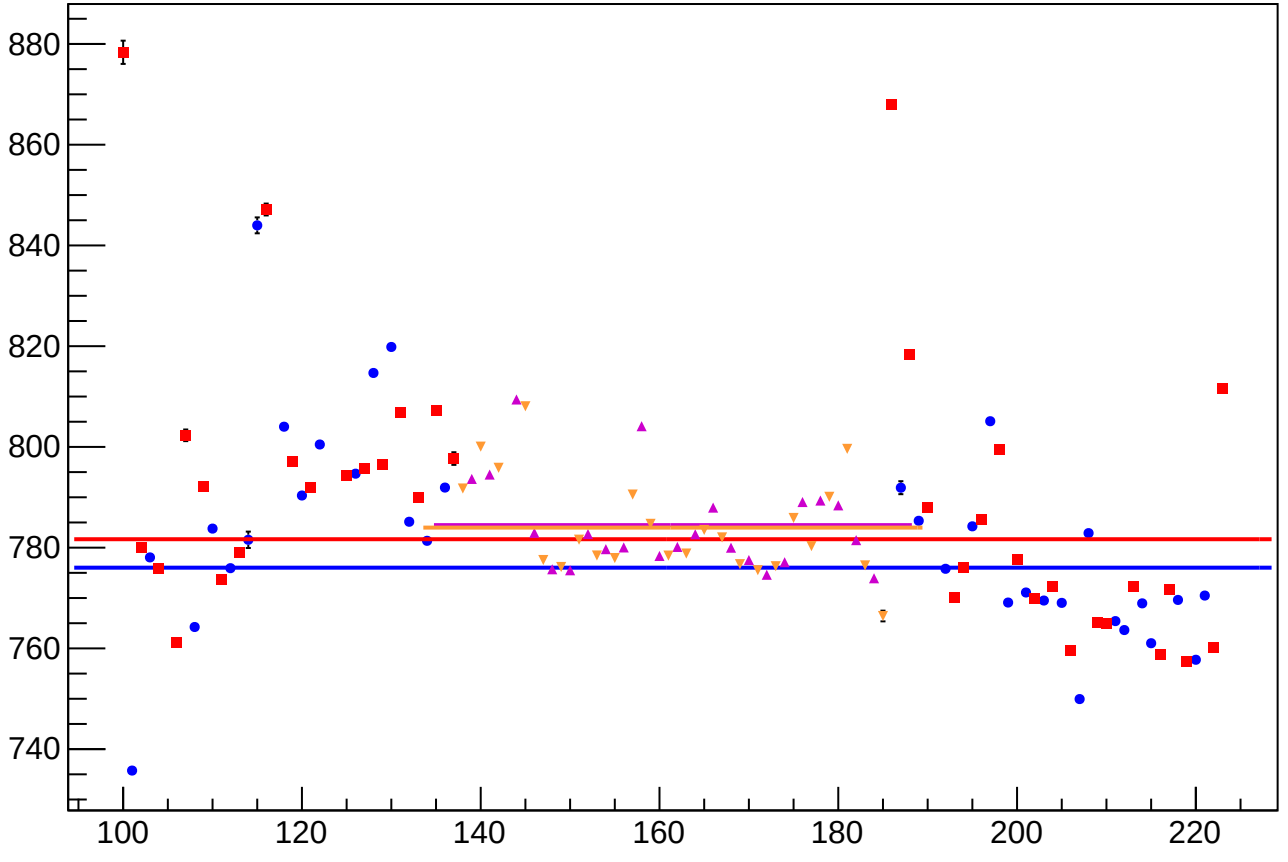
Right: 2190.303+/-116.602 χ^2/NDF: 39.3/70

In: 2200.788+/-122.646 χ^2/NDF:47.6/56

Out: 1996.692+/-122.106 χ^2/NDF:36.7/60

All: 2098.289+/-86.532 χ^2/NDF: 85.7/117

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



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

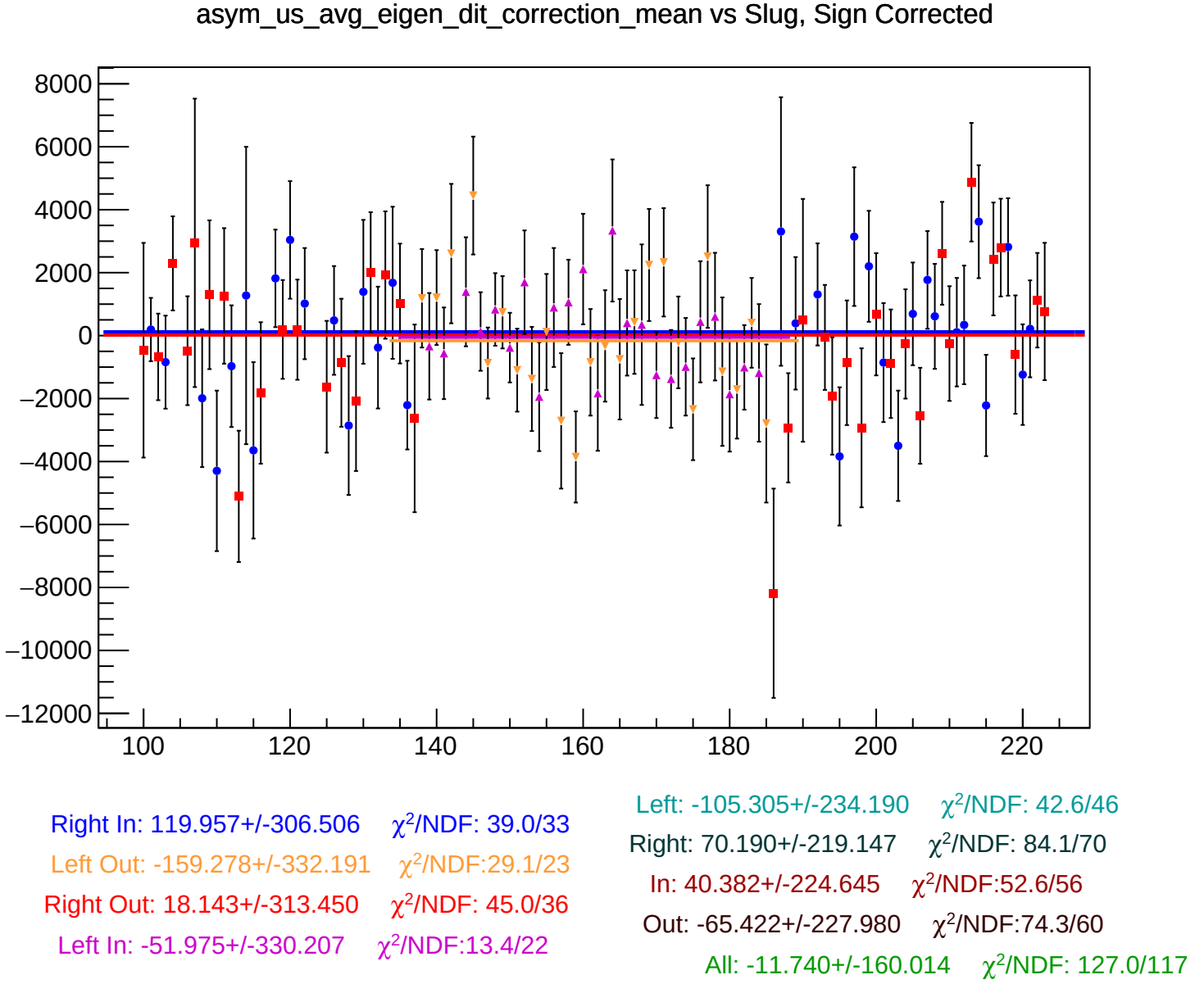
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 778.859+/-0.082 χ^2/NDF: 57822.5/70

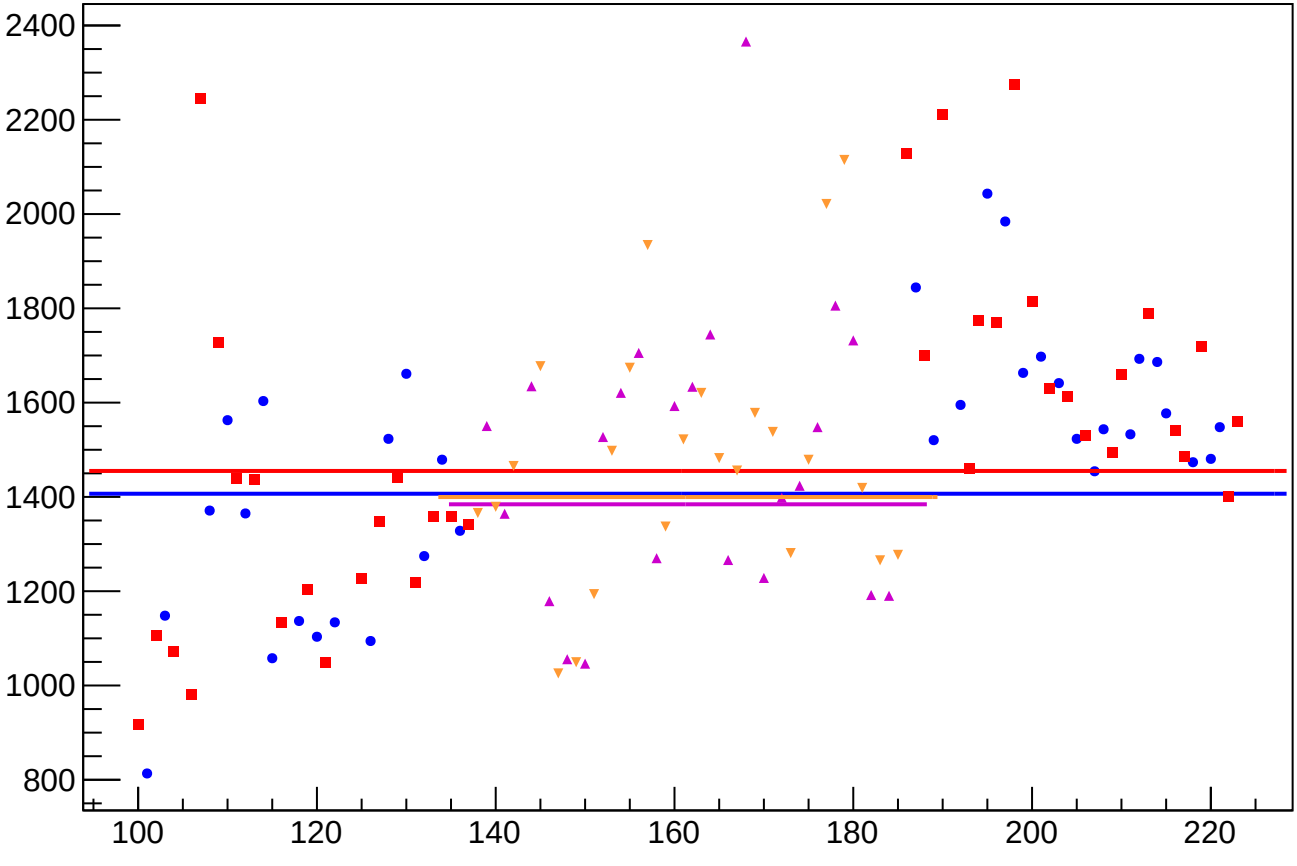
In: 779.813+/-0.087 χ^2/NDF:30614.2/56

Out: 782.714+/-0.086 χ^2/NDF:38413.0/60

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


asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 119.957+/-306.506 χ²/NDF: 39.0/33
Left Out: -159.278+/-332.191 χ²/NDF:29.1/23
Right Out: 18.143+/-313.450 χ²/NDF: 45.0/36
Left In: -51.975+/-330.207 χ²/NDF:13.4/22
Left: -105.305+/-234.190 χ²/NDF: 42.6/46
Right: 70.190+/-219.147 χ²/NDF: 84.1/70
In: 40.382+/-224.645 χ²/NDF:52.6/56
Out: -65.422+/-227.980 χ²/NDF:74.3/60
All: -11.740+/-160.014 χ²/NDF: 127.0/117

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 1391.982+/-0.166 χ^2/NDF: 2408445.8/46

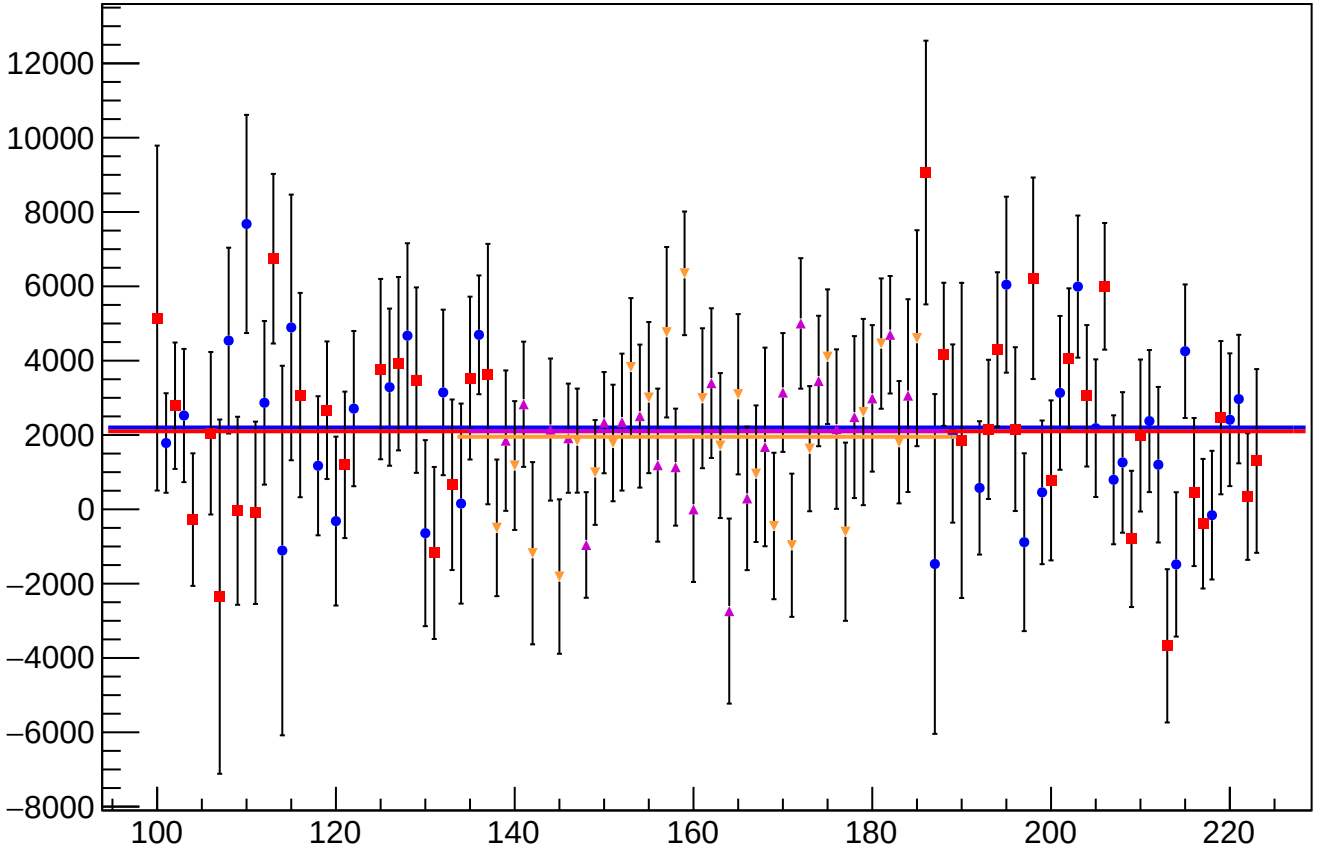
Right: 1430.371+/-0.155 χ^2/NDF: 3374871.3/70

In: 1396.377+/-0.159 χ^2/NDF:3013330.9/56

Out: 1429.001+/-0.161 χ^2/NDF:2777859.6/60

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

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2201.633+/-351.896 χ^2/NDF: 31.7/33

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

Right Out: 2099.765+/-357.749 χ^2/NDF: 43.4/36

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

Left: 2029.156+/-268.459 χ^2/NDF: 46.0/46

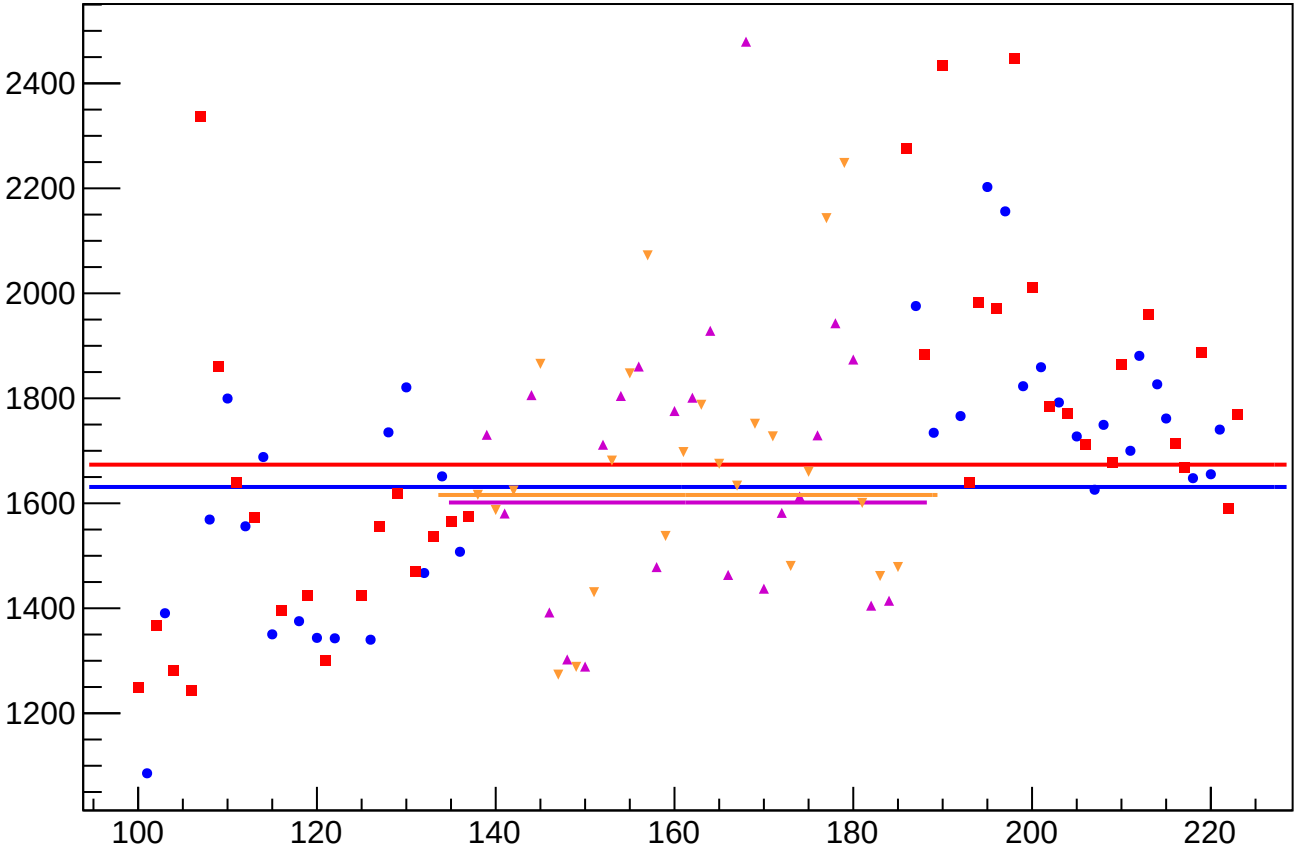
Right: 2151.539+/-250.872 χ^2/NDF: 75.1/70

In: 2157.094+/-257.894 χ^2/NDF:50.4/56

Out: 2030.578+/-260.564 χ^2/NDF:70.8/60

All: 2094.487+/-183.295 χ^2/NDF: 121.3/117

asym_us_avg_rms vs Slug, Sign Corrected



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

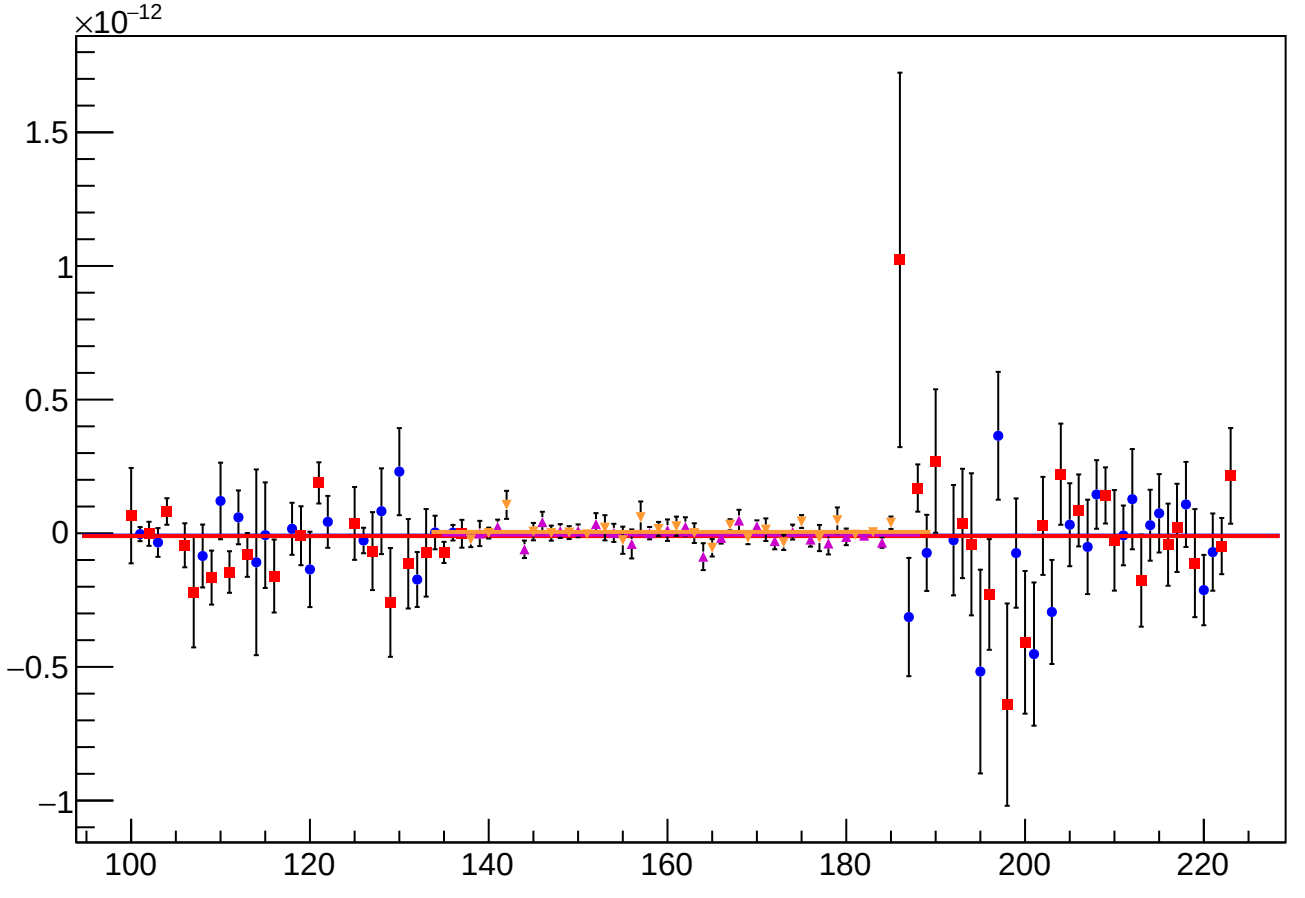
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1651.994+/-0.177 χ^2/NDF: 1999579.2/70

In: 1617.389+/-0.182 χ^2/NDF:1755038.1/56

Out: 1646.488+/-0.184 χ^2/NDF:1749275.8/60

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



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

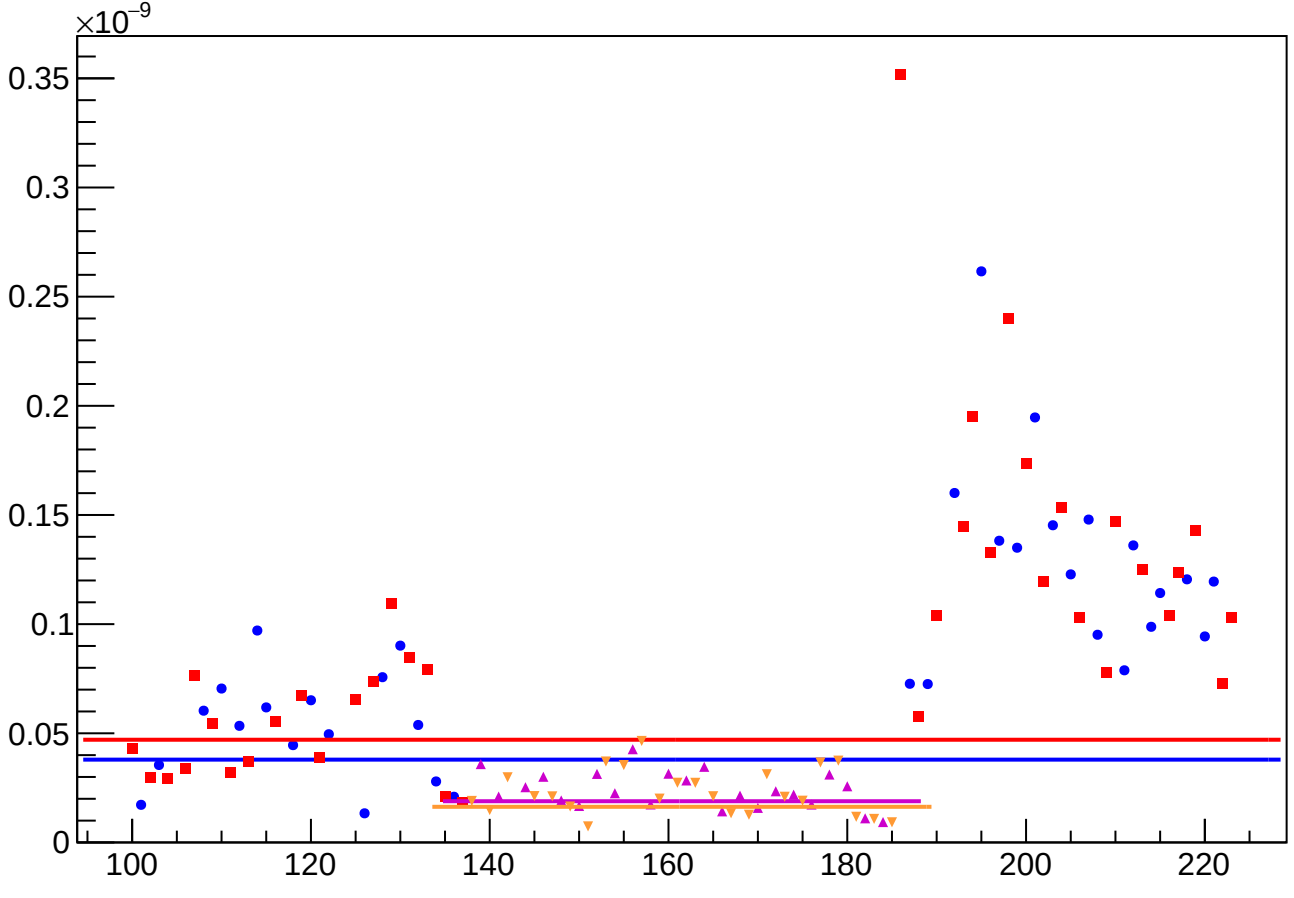
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 69.7/70

In: -0.000+/-0.000 χ^2/NDF:44.9/56

Out: 0.000+/-0.000 χ^2/NDF:66.0/60

All: -0.000+/-0.000 χ^2/NDF: 112.5/117



Right In: 0.000+/-0.000 χ^2/NDF: 12026474.0/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9585547.5/36

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

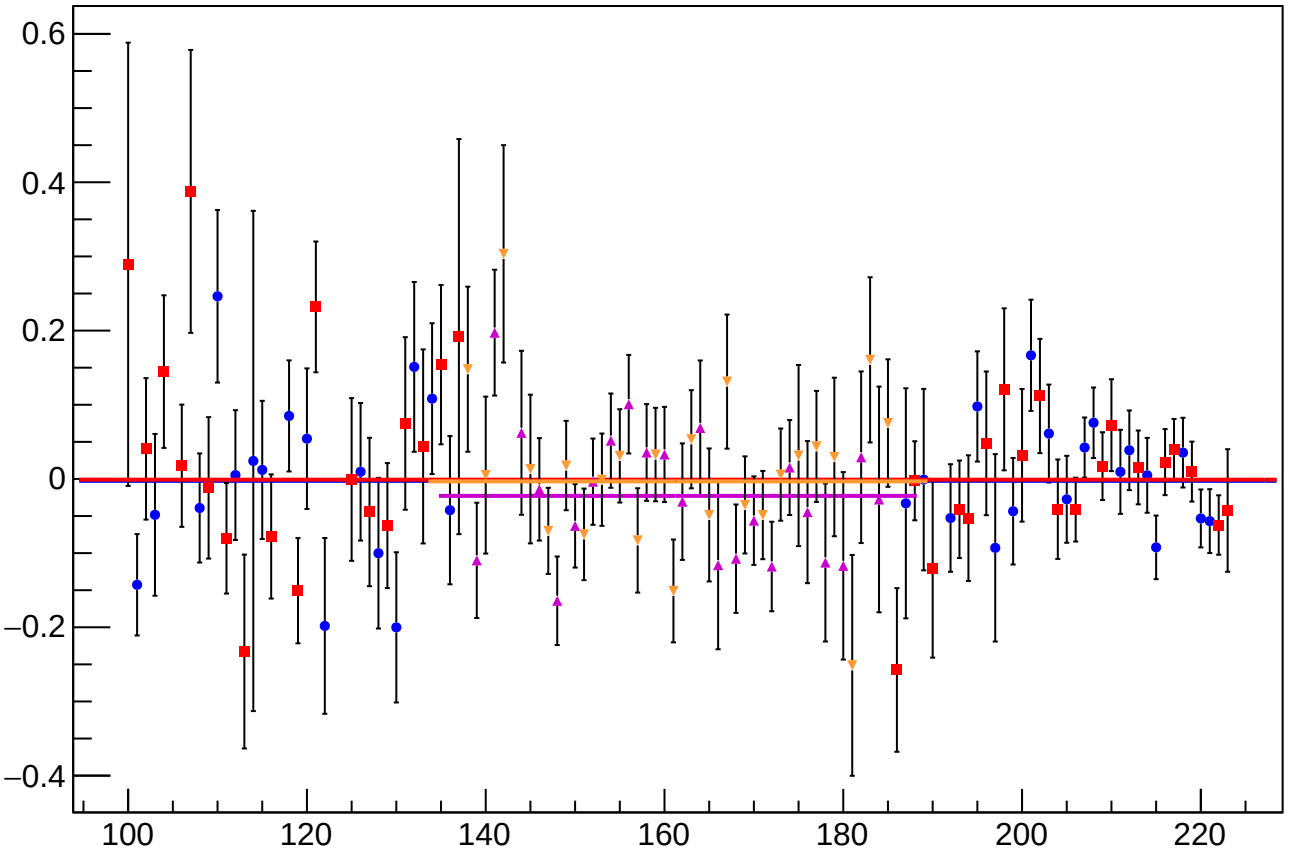
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 21967546.6/70

In: 0.000+/-0.000 χ^2/NDF:18400088.3/56

Out: 0.000+/-0.000 χ^2/NDF:20232497.5/60

All: 0.000+/-0.000 χ^2/NDF: 38839944.5/117



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

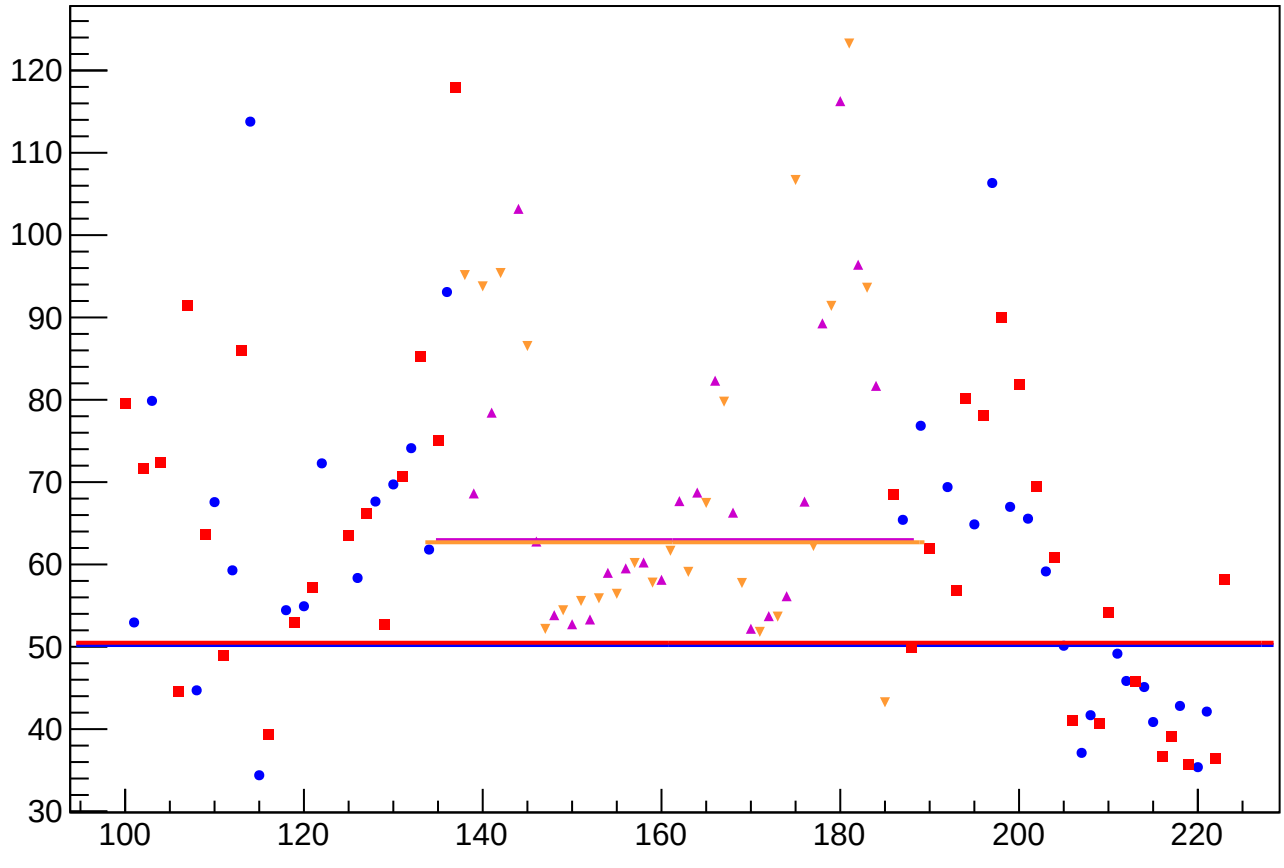
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.002+/-0.008 χ^2/NDF: 89.3/70

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: -0.002+/-0.009 χ^2/NDF:71.4/60

All: -0.006+/-0.007 χ^2/NDF: 145.7/117



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

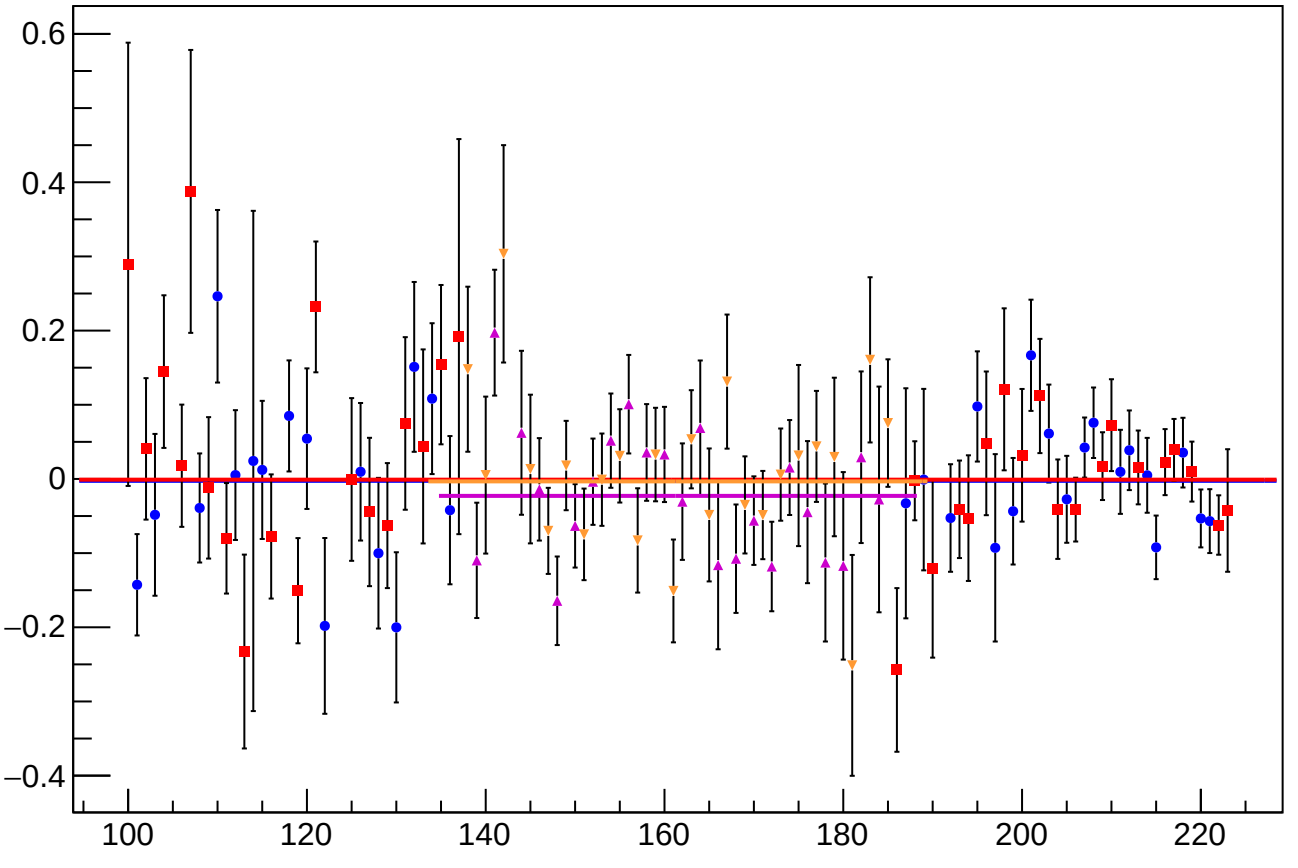
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 50.352+/-0.006 χ^2/NDF: 6160941.1/70

In: 54.768+/-0.007 χ^2/NDF:5135216.3/56

Out: 54.854+/-0.007 χ^2/NDF:6061722.0/60

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



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

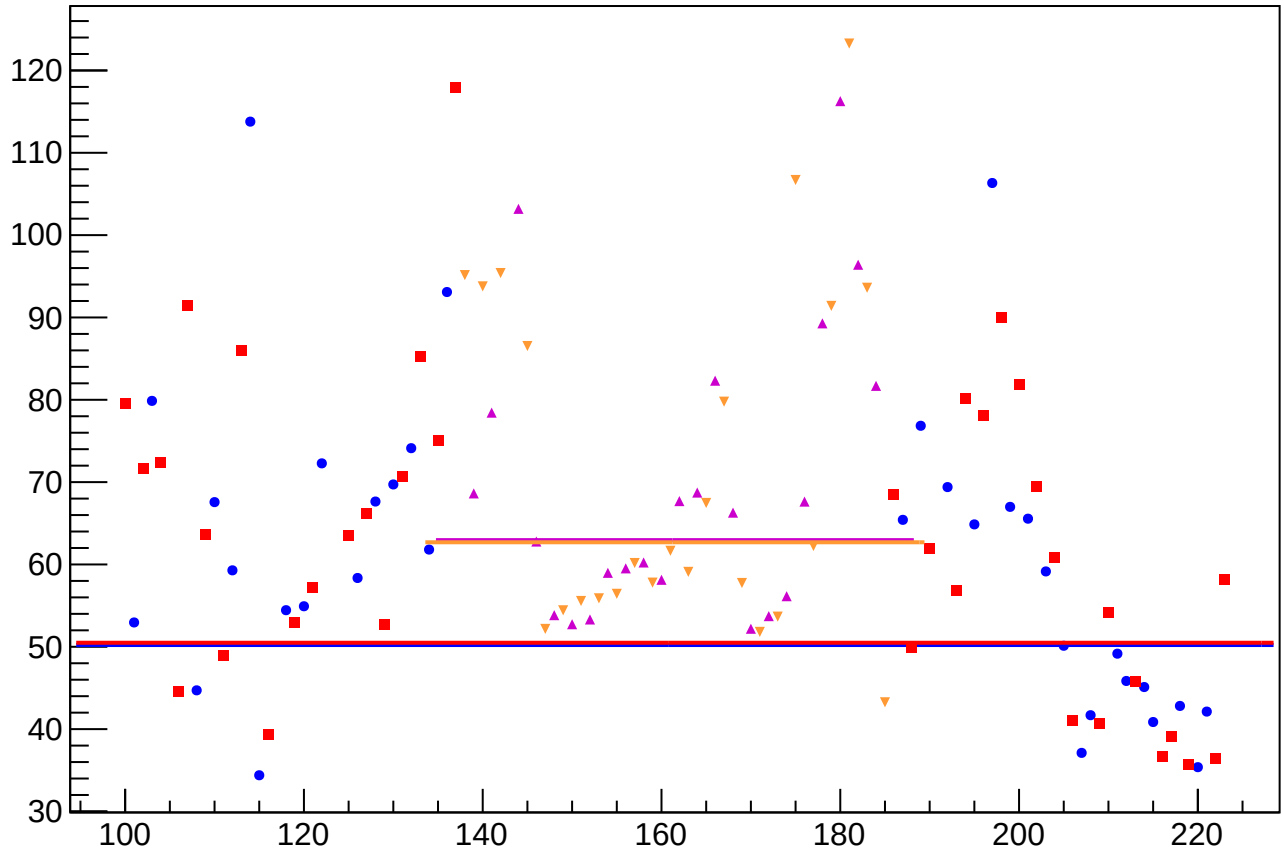
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.002+/-0.008 χ^2/NDF: 89.3/70

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: -0.002+/-0.009 χ^2/NDF:71.4/60

All: -0.006+/-0.007 χ^2/NDF: 145.7/117



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

Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

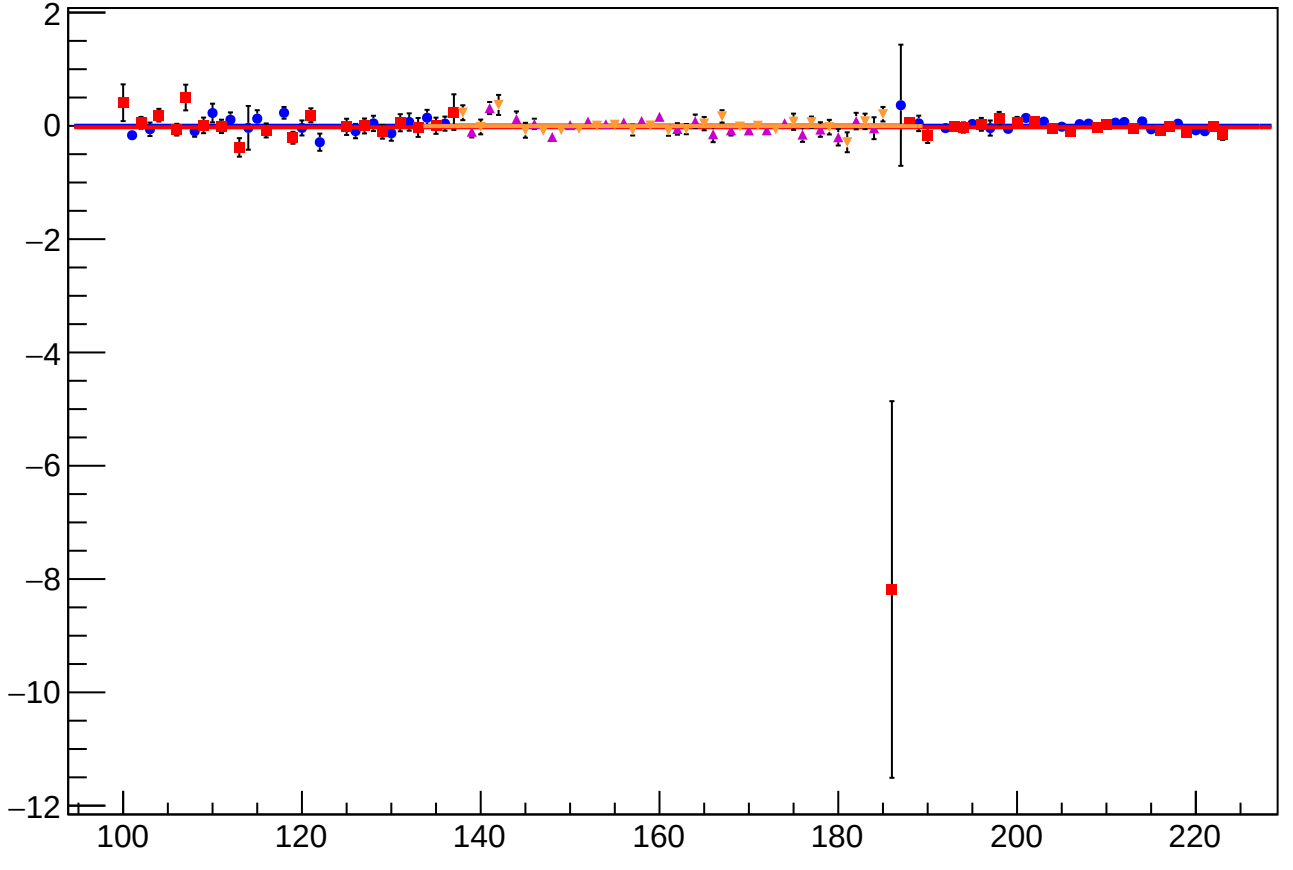
Right: 50.352+/-0.006 χ^2/NDF: 6160941.1/70

In: 54.768+/-0.007 χ^2/NDF:5135216.3/56

Out: 54.854+/-0.007 χ^2/NDF:6061722.0/60

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

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

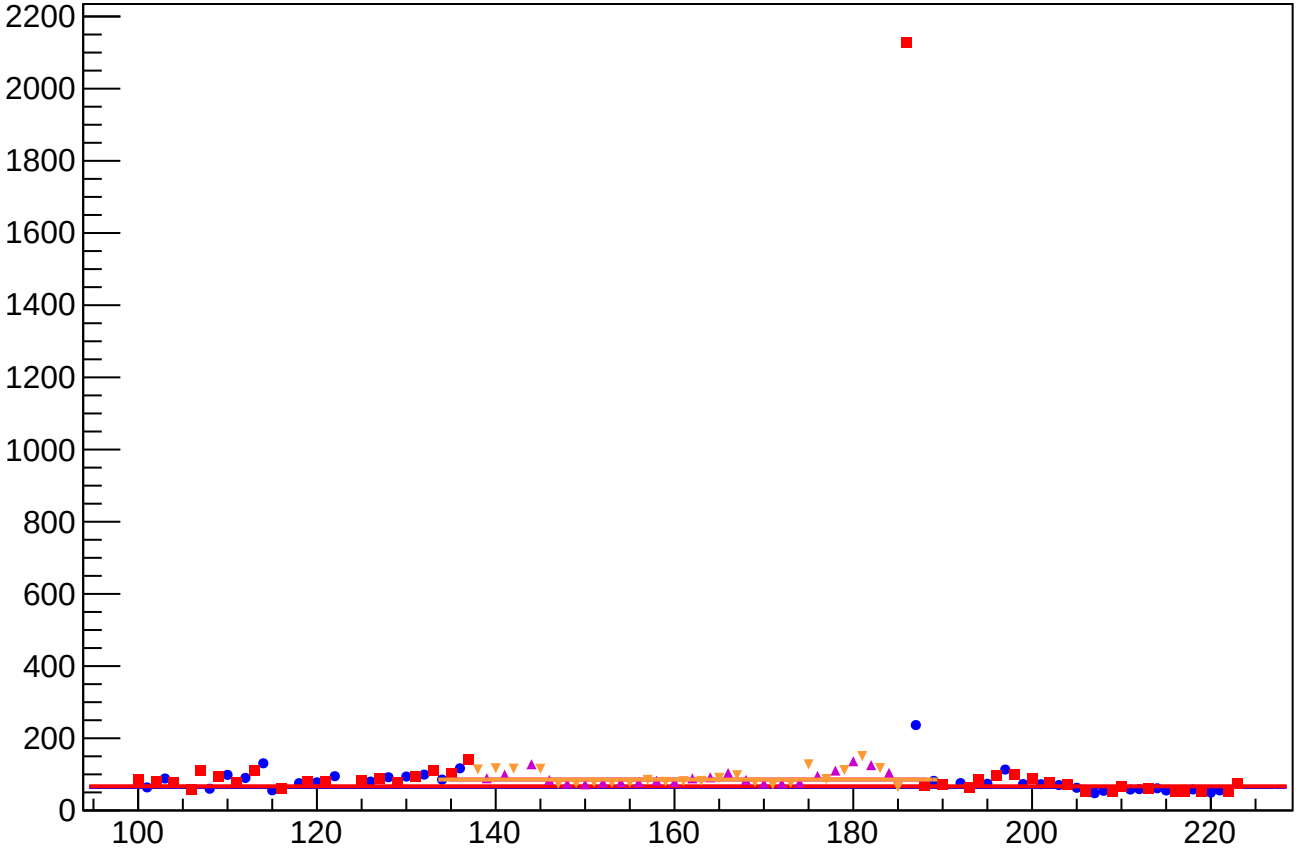
Right: -0.011+/-0.011 χ^2/NDF: 81.4/70

In: 0.002+/-0.012 χ^2/NDF:66.1/56

Out: -0.018+/-0.012 χ^2/NDF:66.1/60

All: -0.008+/-0.009 χ^2/NDF: 133.6/117

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

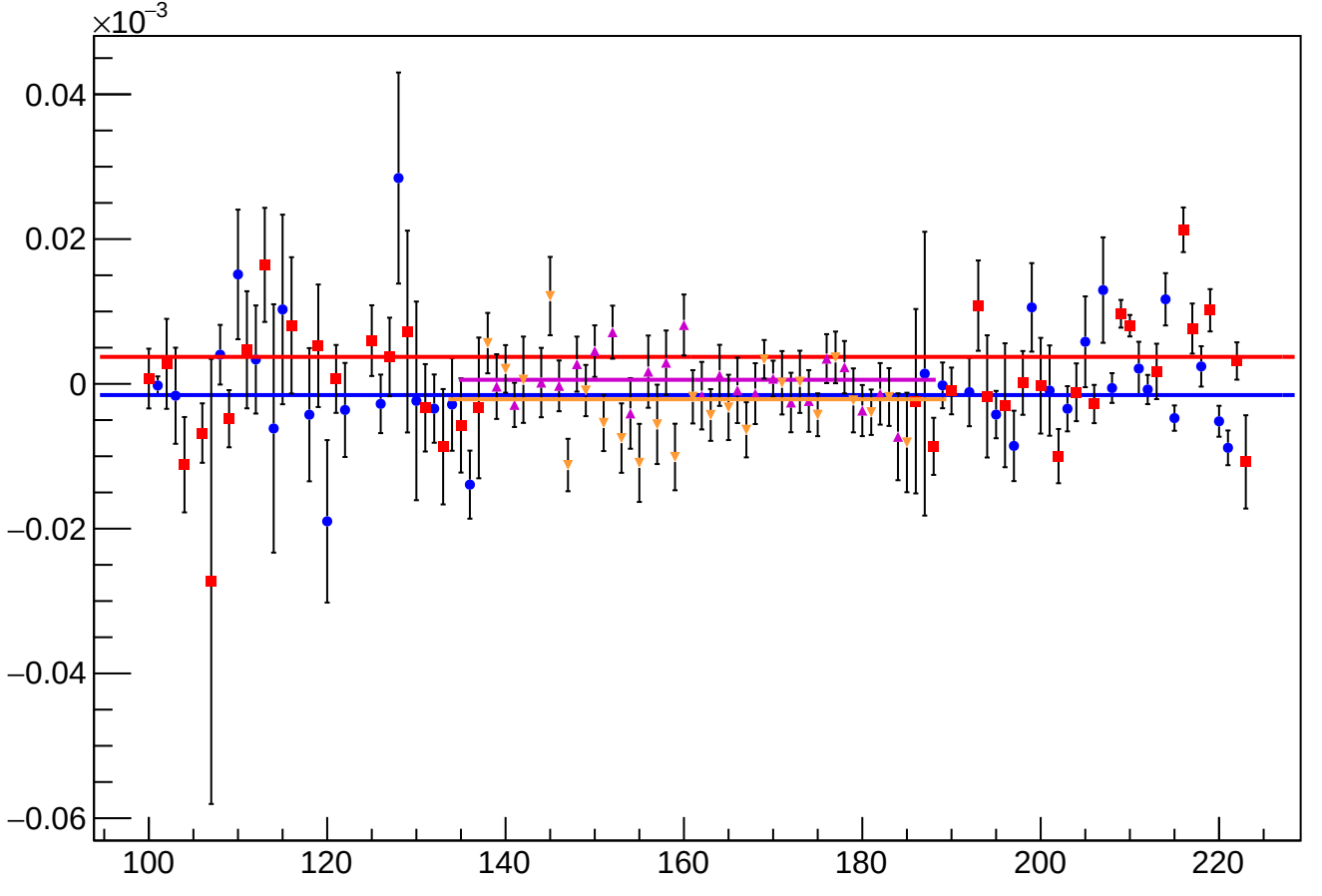
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 66.002+/-0.007 χ^2/NDF: 5218888.3/70

In: 72.007+/-0.008 χ^2/NDF:4514462.0/56

Out: 73.408+/-0.009 χ^2/NDF:5424128.8/60

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



Right In: -0.000+/-0.000 χ^2/NDF: 66.6/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 126.4/36

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

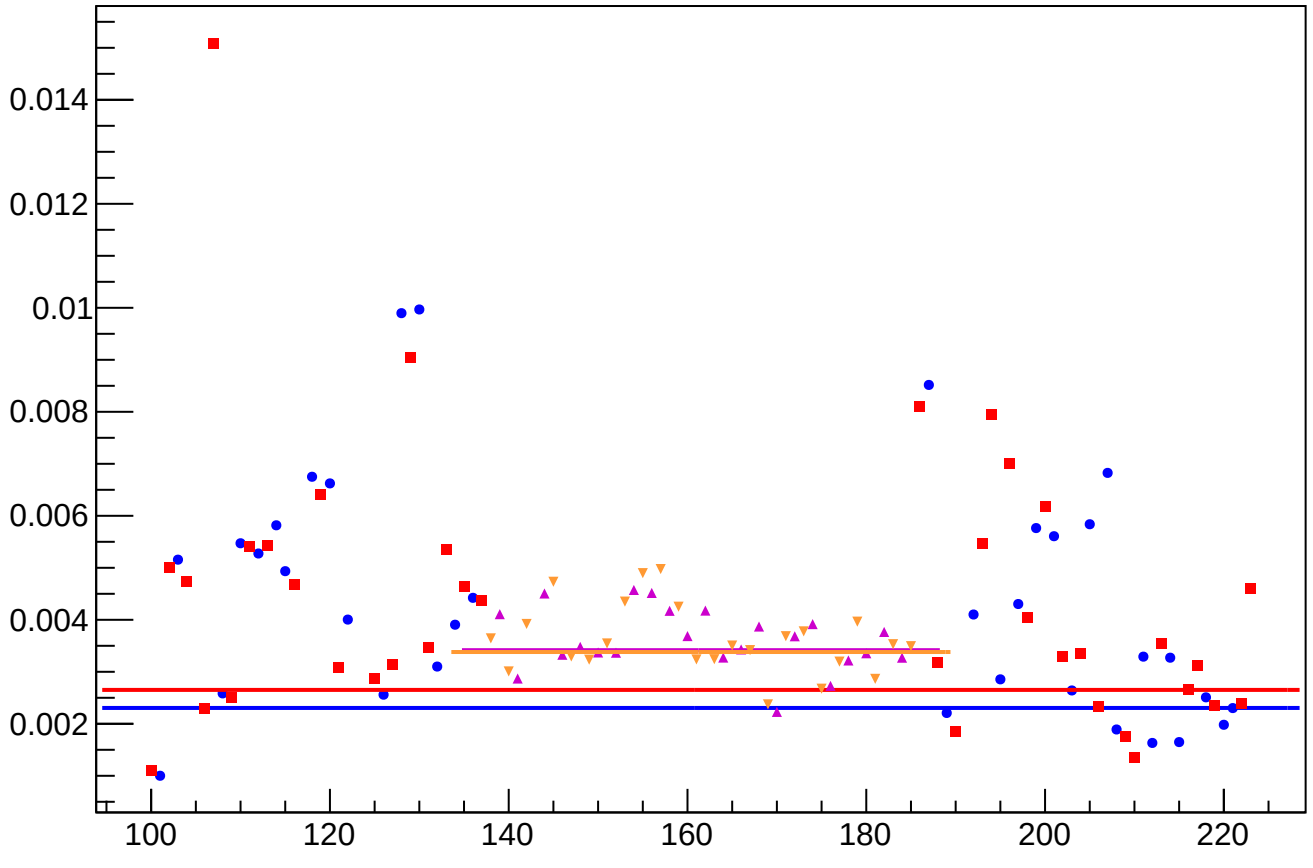
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 229.3/70

In: -0.000+/-0.000 χ^2/NDF:87.6/56

Out: 0.000+/-0.000 χ^2/NDF:195.7/60

All: 0.000+/-0.000 χ^2/NDF: 293.7/117



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

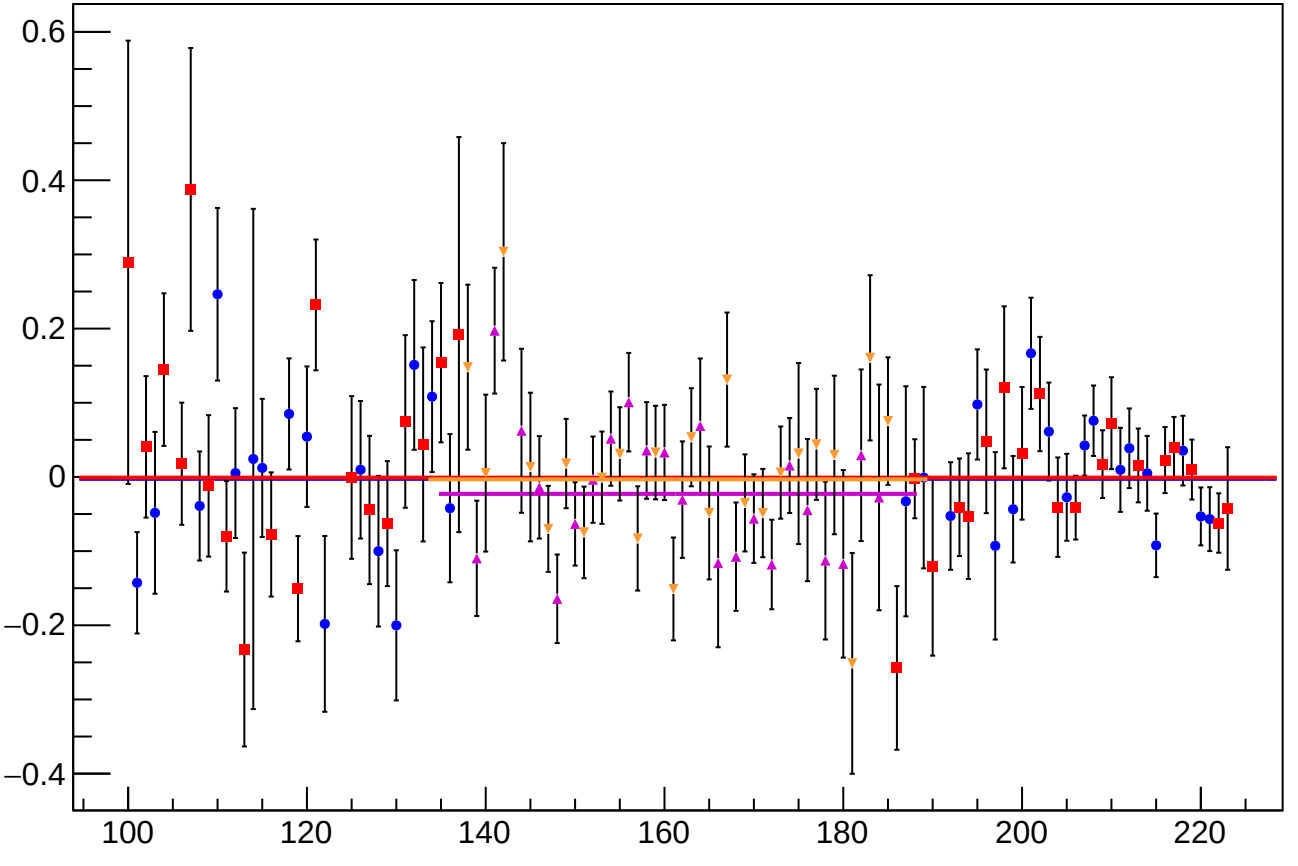
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.002+/-0.000 χ^2/NDF: 19239725.0/70

In: 0.003+/-0.000 χ^2/NDF:13999460.0/56

Out: 0.003+/-0.000 χ^2/NDF:10738267.1/60

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



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

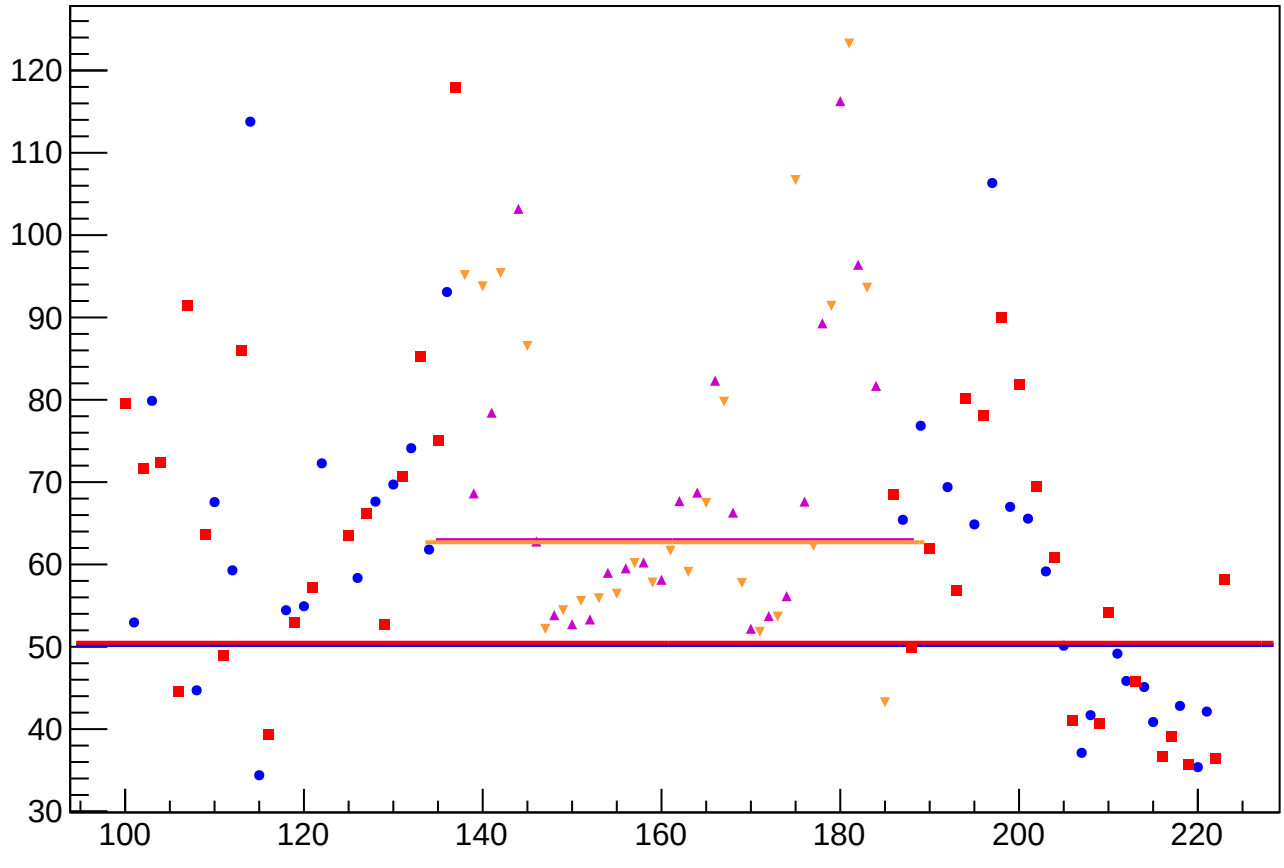
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.002+/-0.008 χ^2/NDF: 89.4/70

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: -0.002+/-0.009 χ^2/NDF:71.4/60

All: -0.006+/-0.007 χ^2/NDF: 145.7/117



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

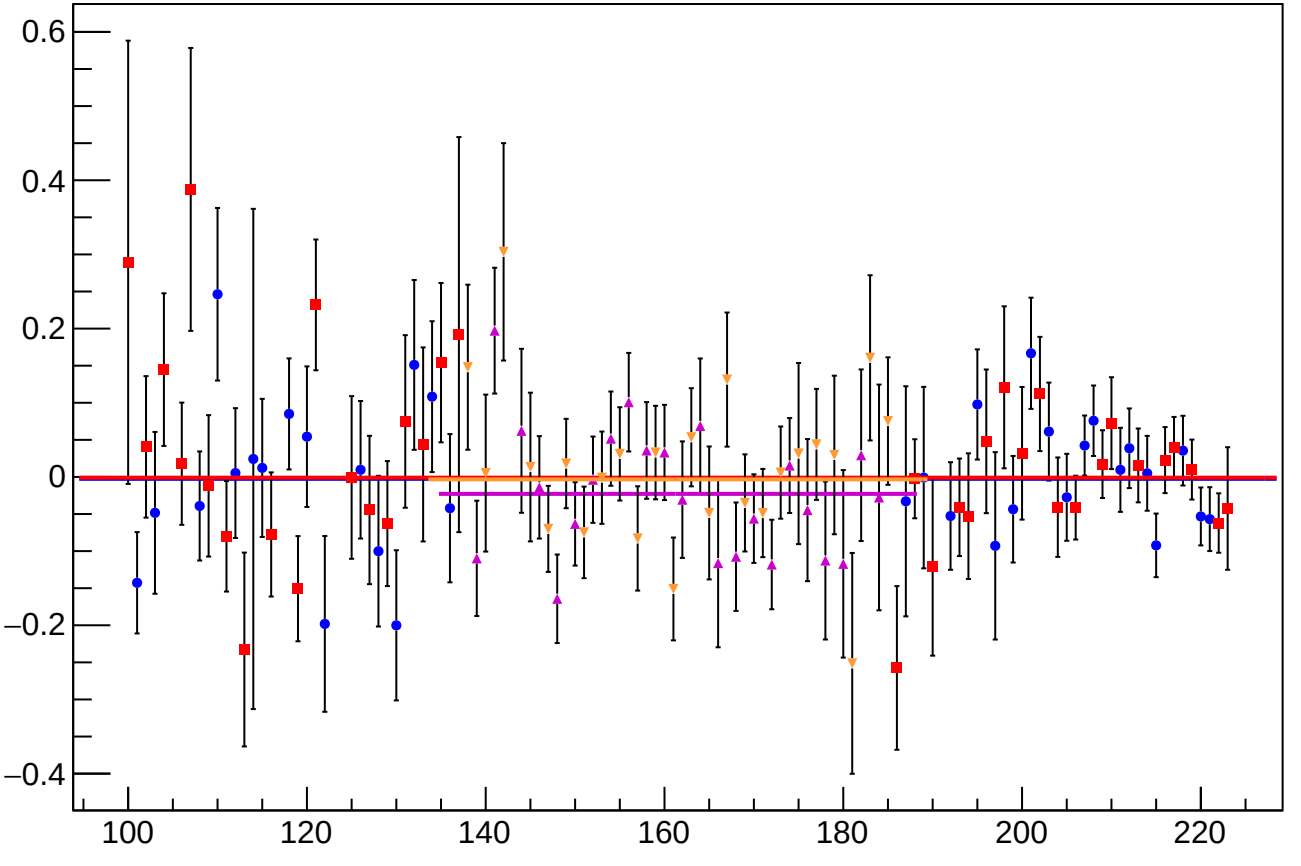
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 50.352+/-0.006 χ^2/NDF: 6160514.2/70

In: 54.769+/-0.007 χ^2/NDF:5134974.5/56

Out: 54.854+/-0.007 χ^2/NDF:6061535.3/60

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



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

Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

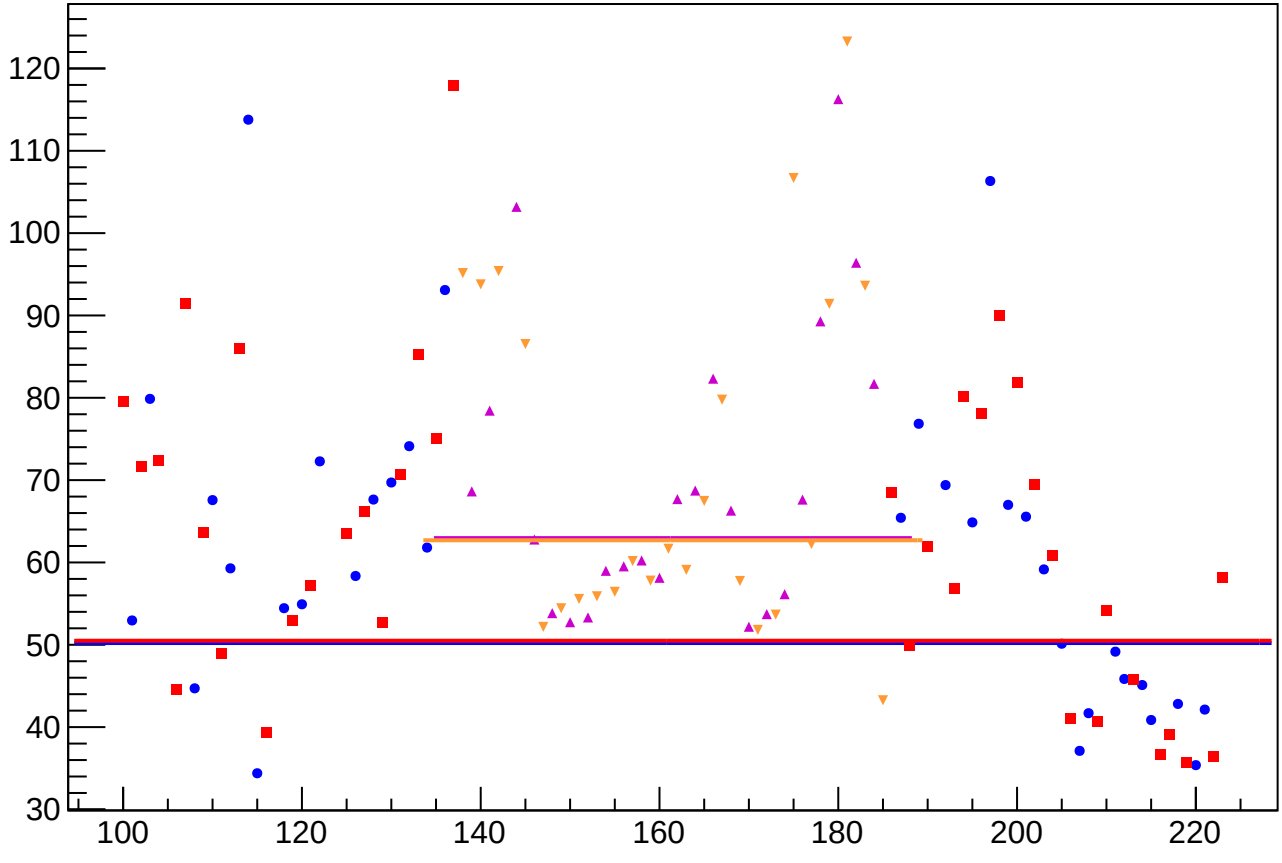
Right: -0.002+/-0.008 χ^2/NDF: 89.4/70

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: -0.002+/-0.009 χ^2/NDF:71.4/60

All: -0.006+/-0.007 χ^2/NDF: 145.7/117

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

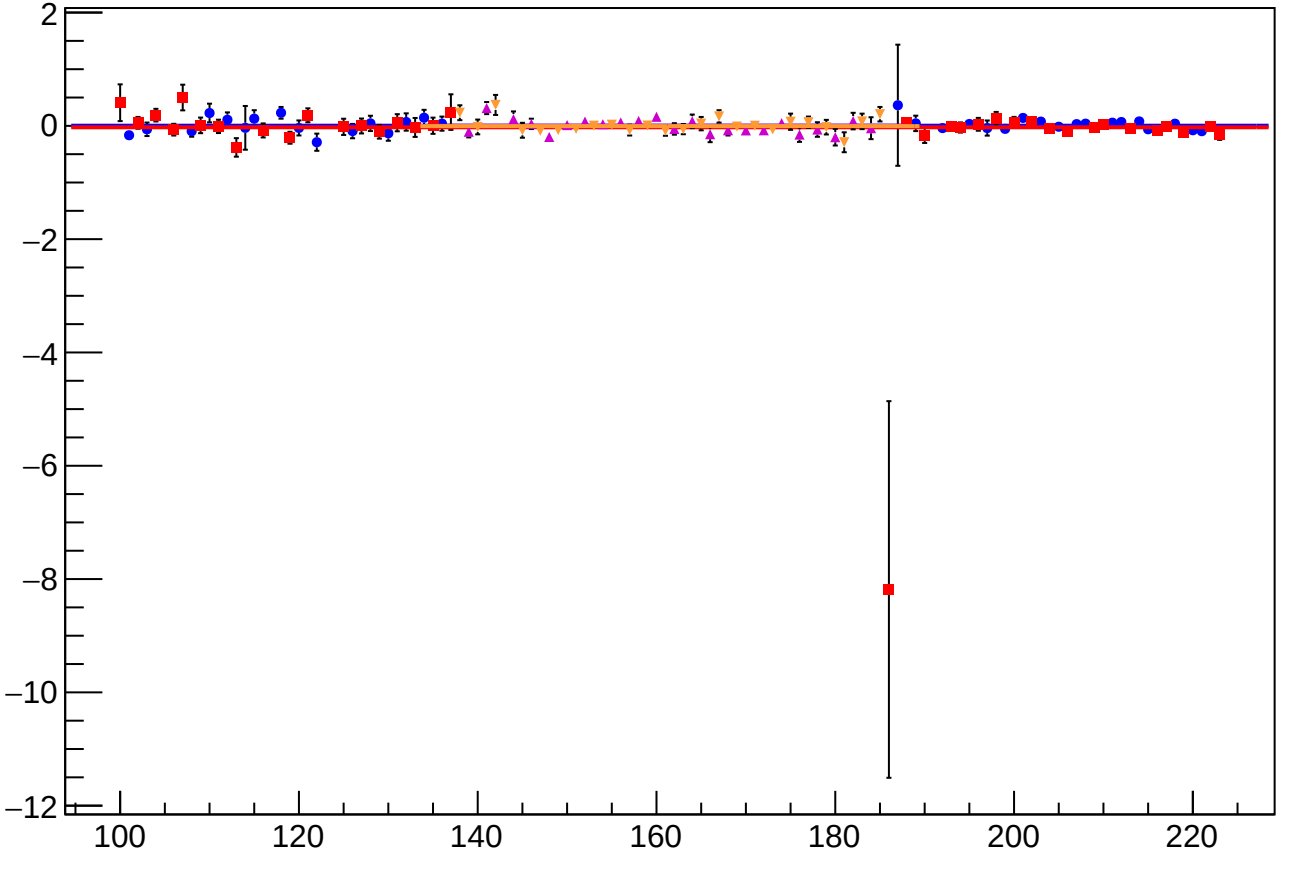
Right: 50.352+/-0.006 χ^2/NDF: 6160514.2/70

In: 54.769+/-0.007 χ^2/NDF:5134974.5/56

Out: 54.854+/-0.007 χ^2/NDF:6061535.3/60

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

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

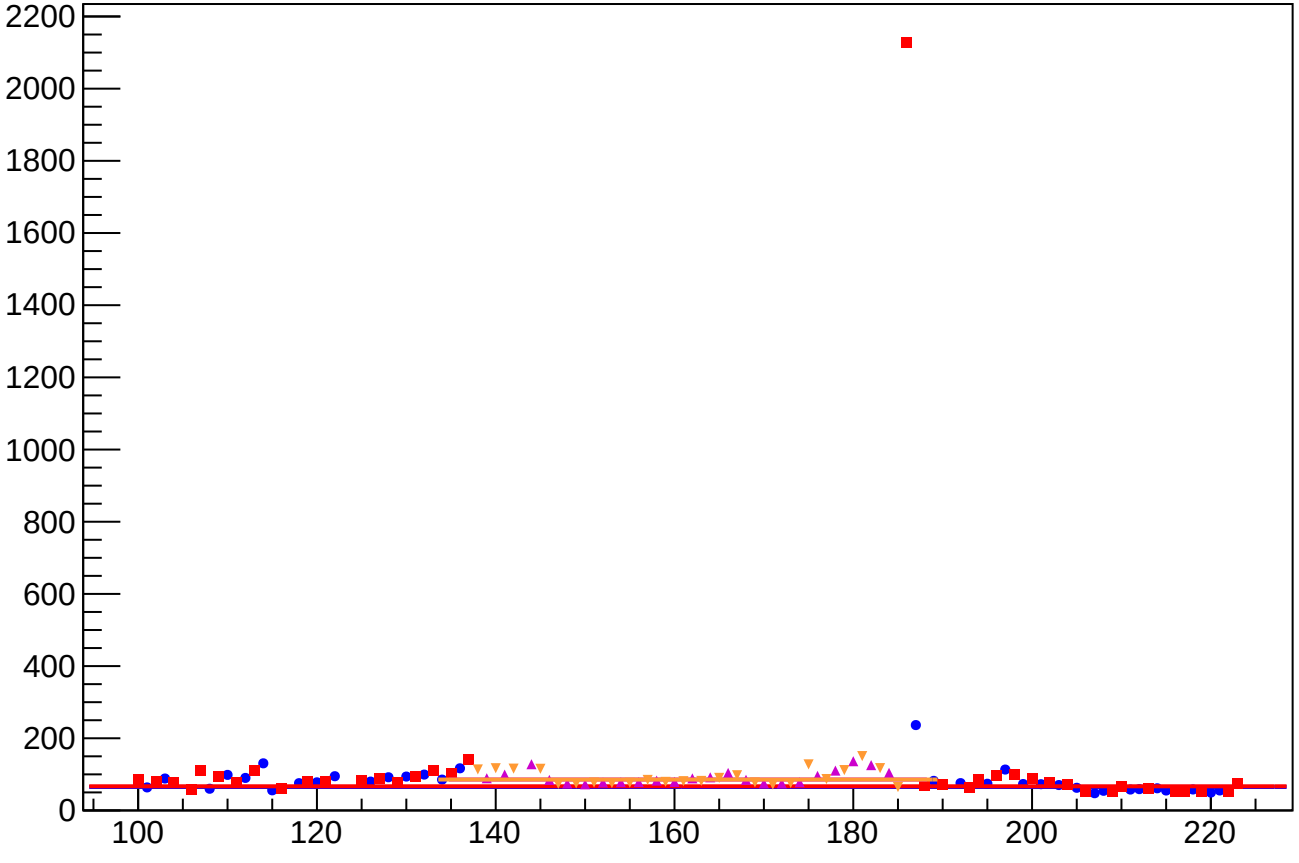
Right: -0.011+/-0.011 χ^2/NDF: 81.4/70

In: 0.002+/-0.012 χ^2/NDF:66.1/56

Out: -0.018+/-0.012 χ^2/NDF:66.1/60

All: -0.008+/-0.009 χ^2/NDF: 133.6/117

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

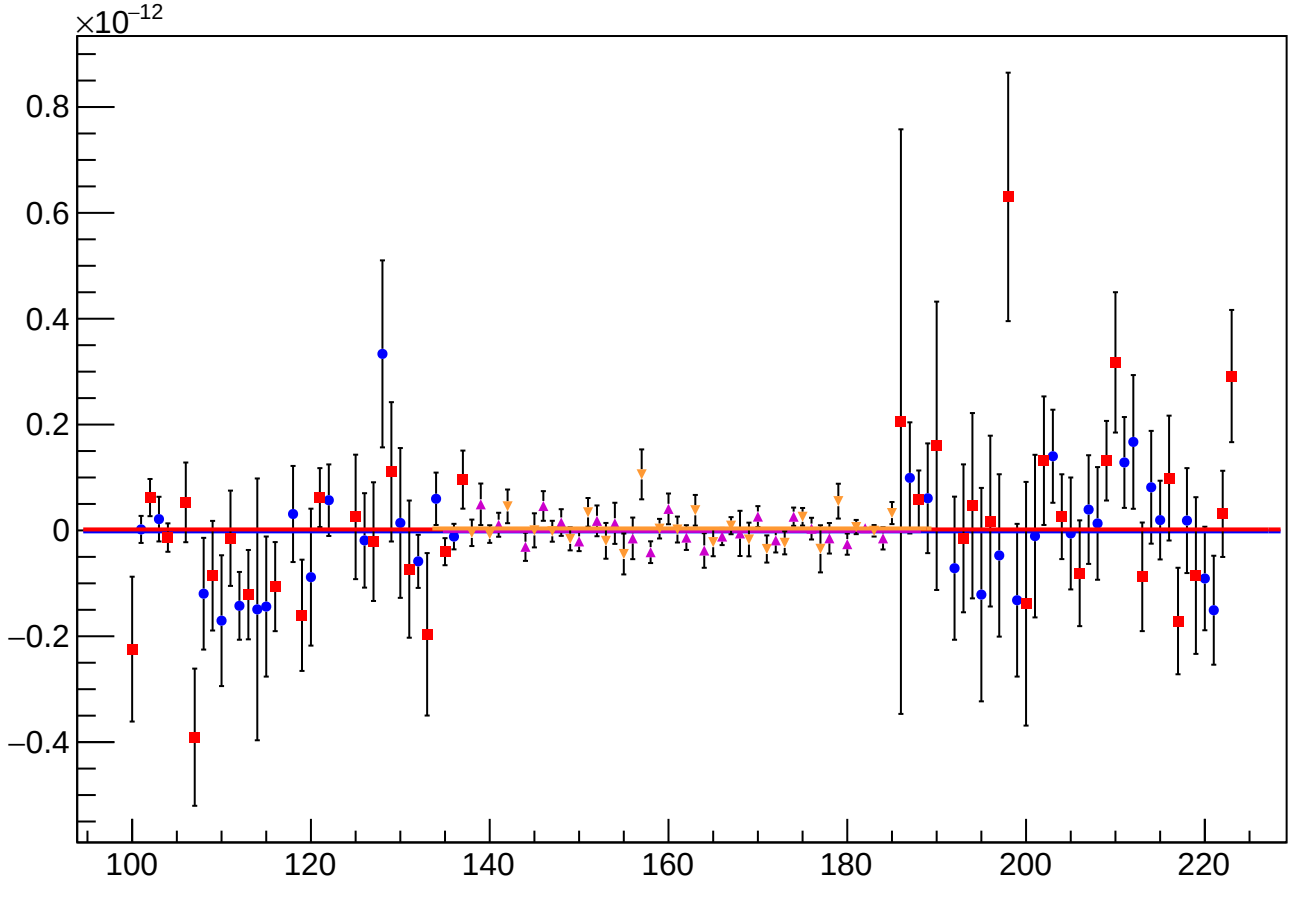
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 66.003+/-0.007 χ^2/NDF: 5218622.6/70

In: 72.007+/-0.008 χ^2/NDF:4514292.8/56

Out: 73.408+/-0.009 χ^2/NDF:5424039.2/60

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



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

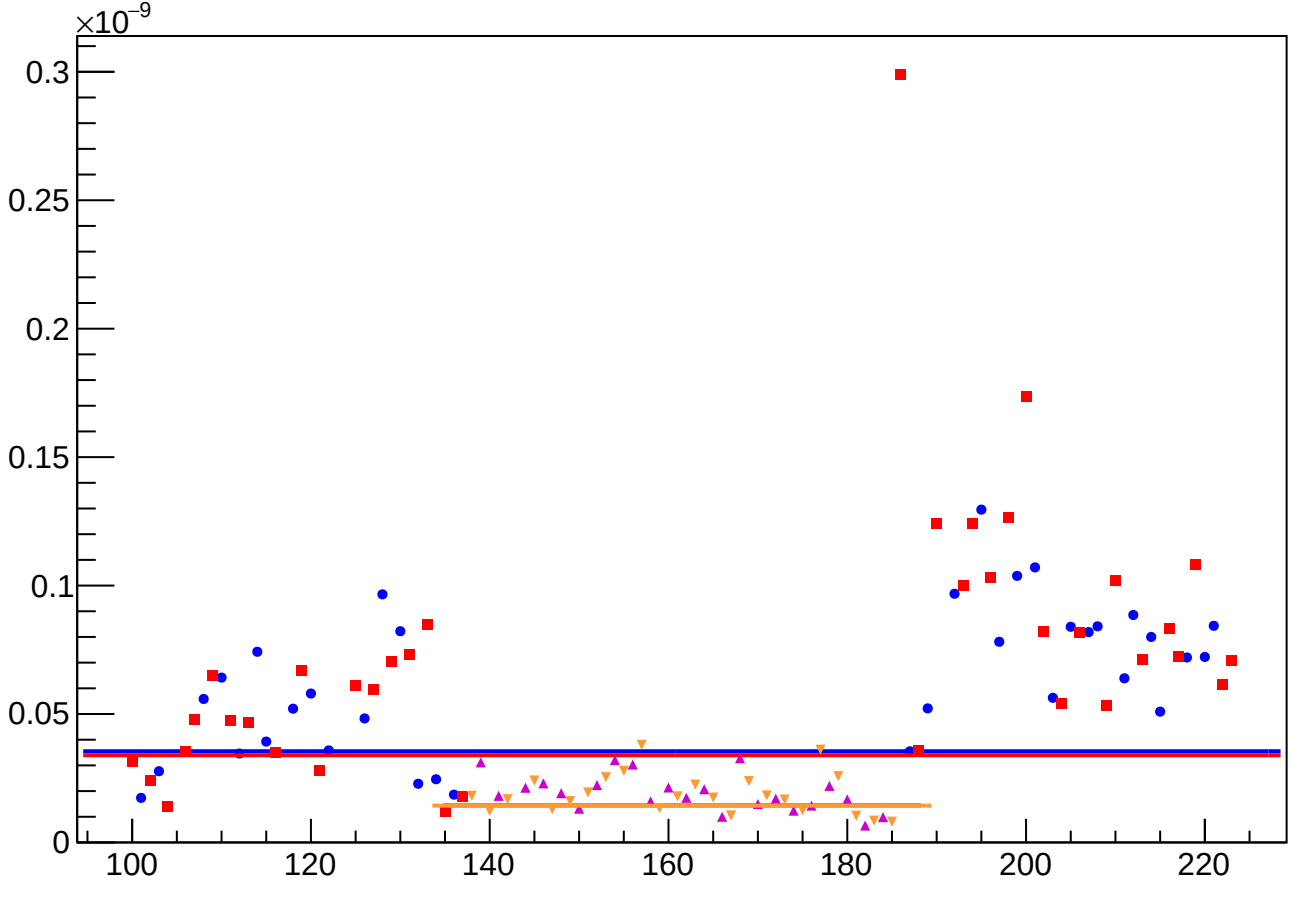
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: 0.000+/-0.000 χ^2/NDF: 93.2/70

In: -0.000+/-0.000 χ^2/NDF:54.7/56

Out: 0.000+/-0.000 χ^2/NDF:87.1/60

All: 0.000+/-0.000 χ^2/NDF: 142.4/117



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

Left: 0.000+/-0.000 χ^2/NDF: 7867648.9/46

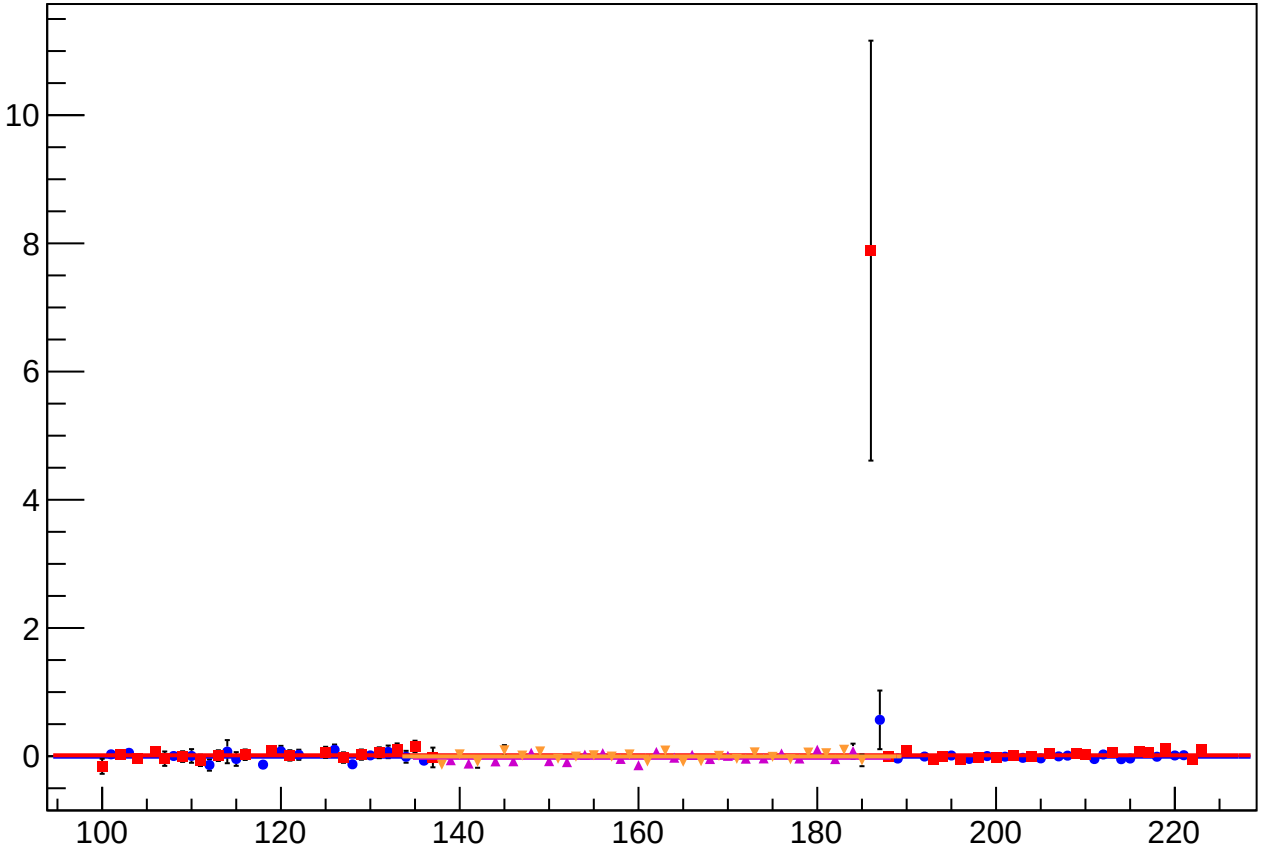
Right: 0.000+/-0.000 χ^2/NDF: 19090259.5/70

In: 0.000+/-0.000 χ^2/NDF:18355787.0/56

Out: 0.000+/-0.000 χ^2/NDF:19088584.9/60

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

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

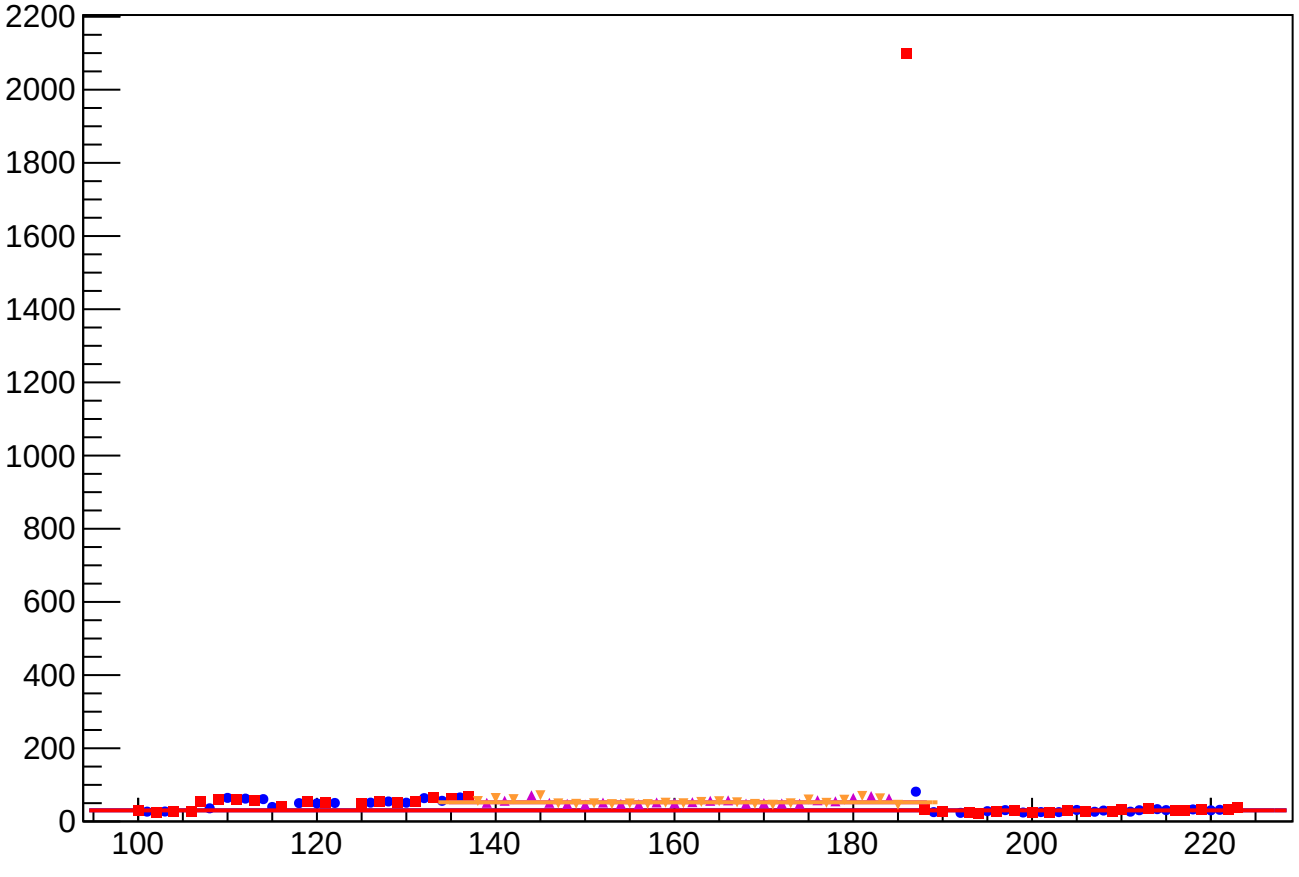
Right: 0.003+/-0.005 χ^2/NDF: 86.1/70

In: -0.012+/-0.006 χ^2/NDF:51.9/56

Out: 0.010+/-0.006 χ^2/NDF:79.4/60

All: -0.001+/-0.004 χ^2/NDF: 138.2/117

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 52.425+/-0.006 χ^2/NDF: 967418.6/46

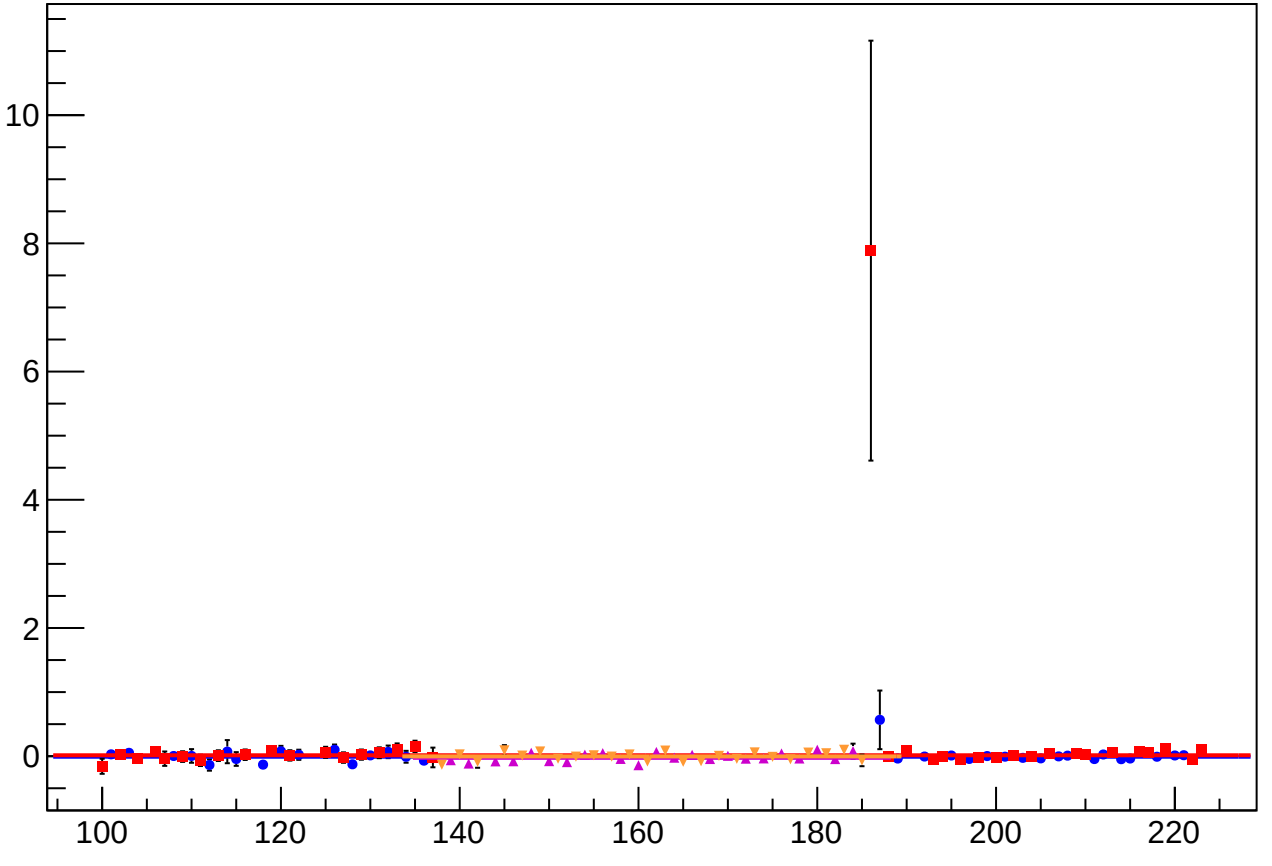
Right: 30.398+/-0.003 χ^2/NDF: 6850681.9/70

In: 35.717+/-0.004 χ^2/NDF:8041905.5/56

Out: 35.486+/-0.004 χ^2/NDF:9312770.0/60

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

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

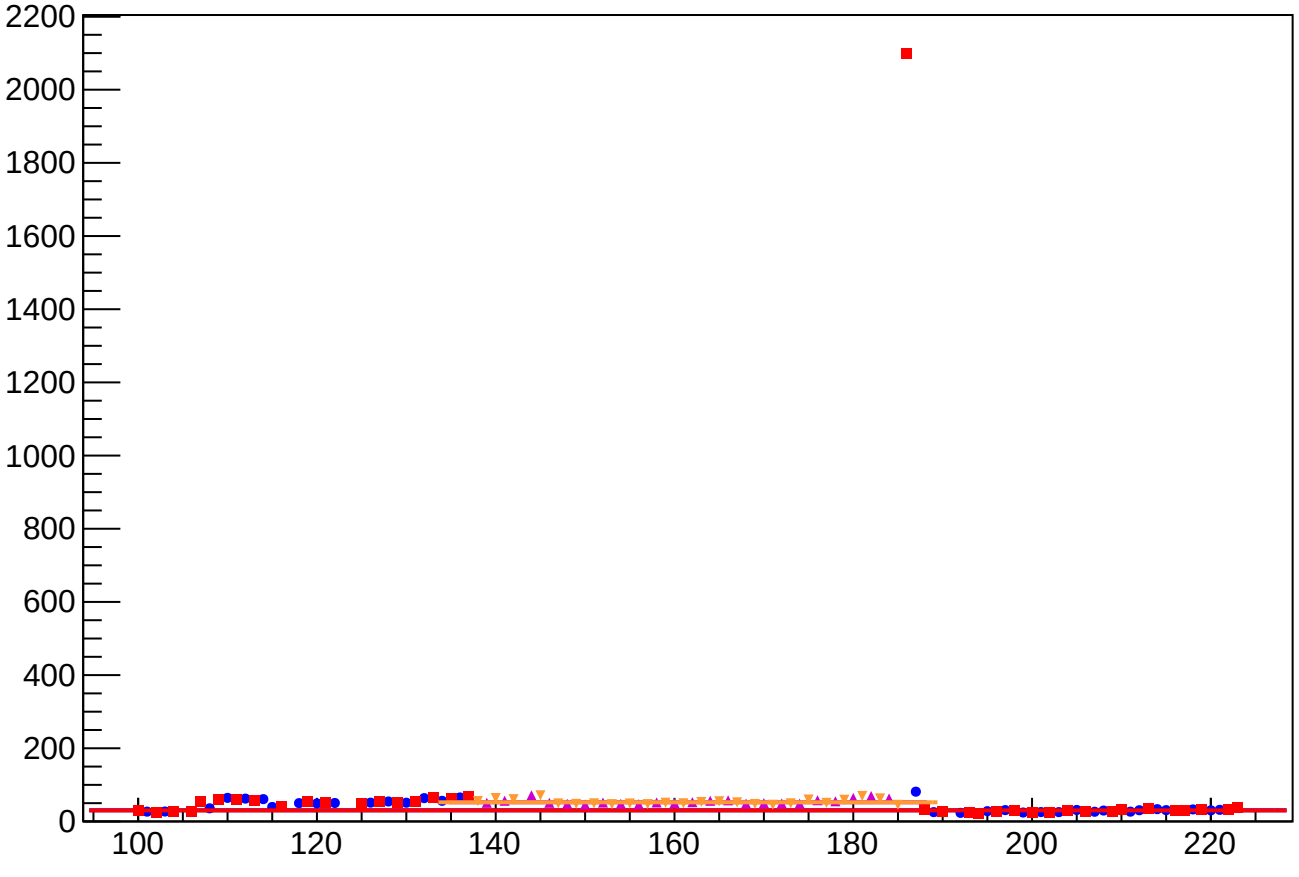
Right: 0.003+/-0.005 χ^2/NDF: 86.1/70

In: -0.012+/-0.006 χ^2/NDF:51.9/56

Out: 0.010+/-0.006 χ^2/NDF:79.4/60

All: -0.001+/-0.004 χ^2/NDF: 138.2/117

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 52.425+/-0.006 χ^2/NDF: 967418.6/46

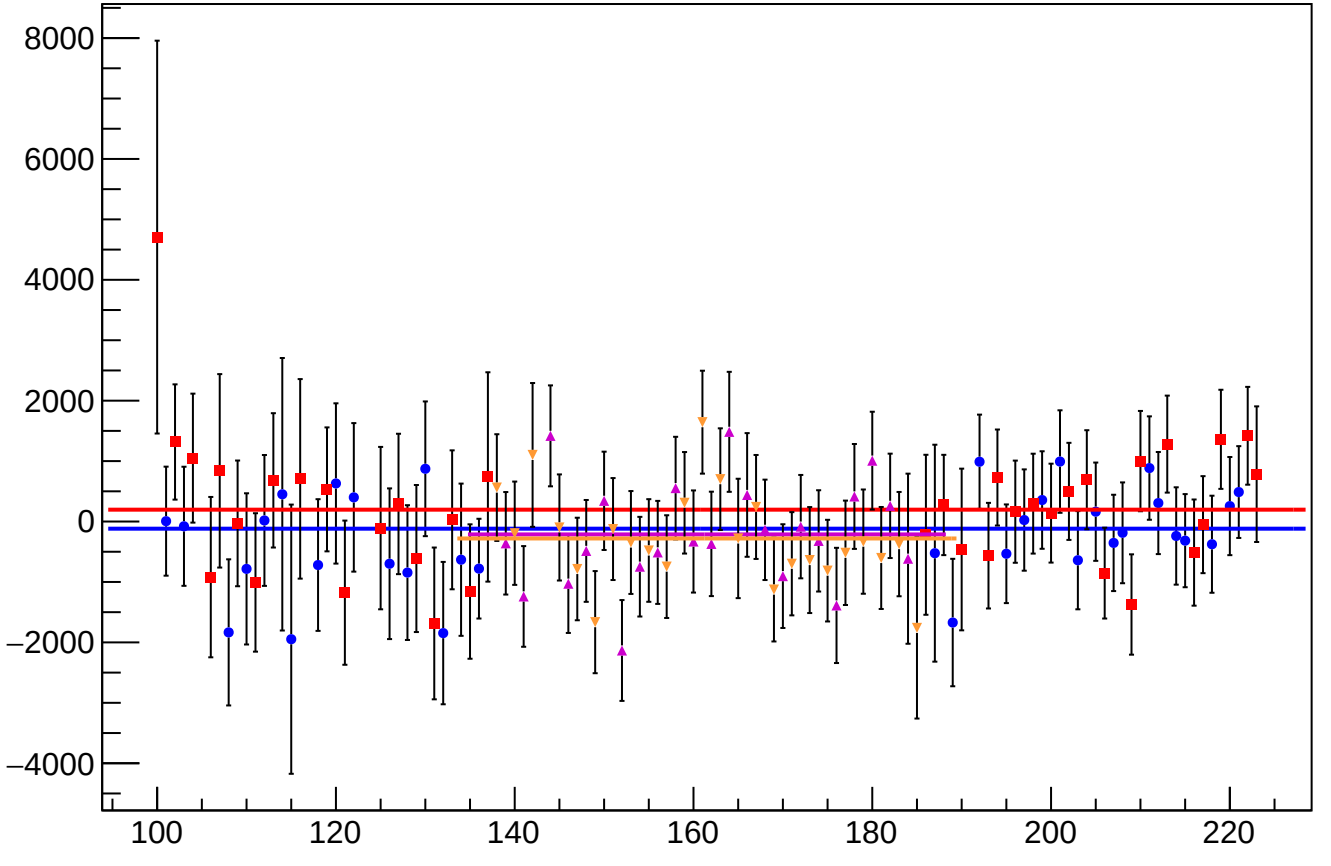
Right: 30.398+/-0.003 χ^2/NDF: 6850681.9/70

In: 35.717+/-0.004 χ^2/NDF:8041905.5/56

Out: 35.486+/-0.004 χ^2/NDF:9312770.0/60

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

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

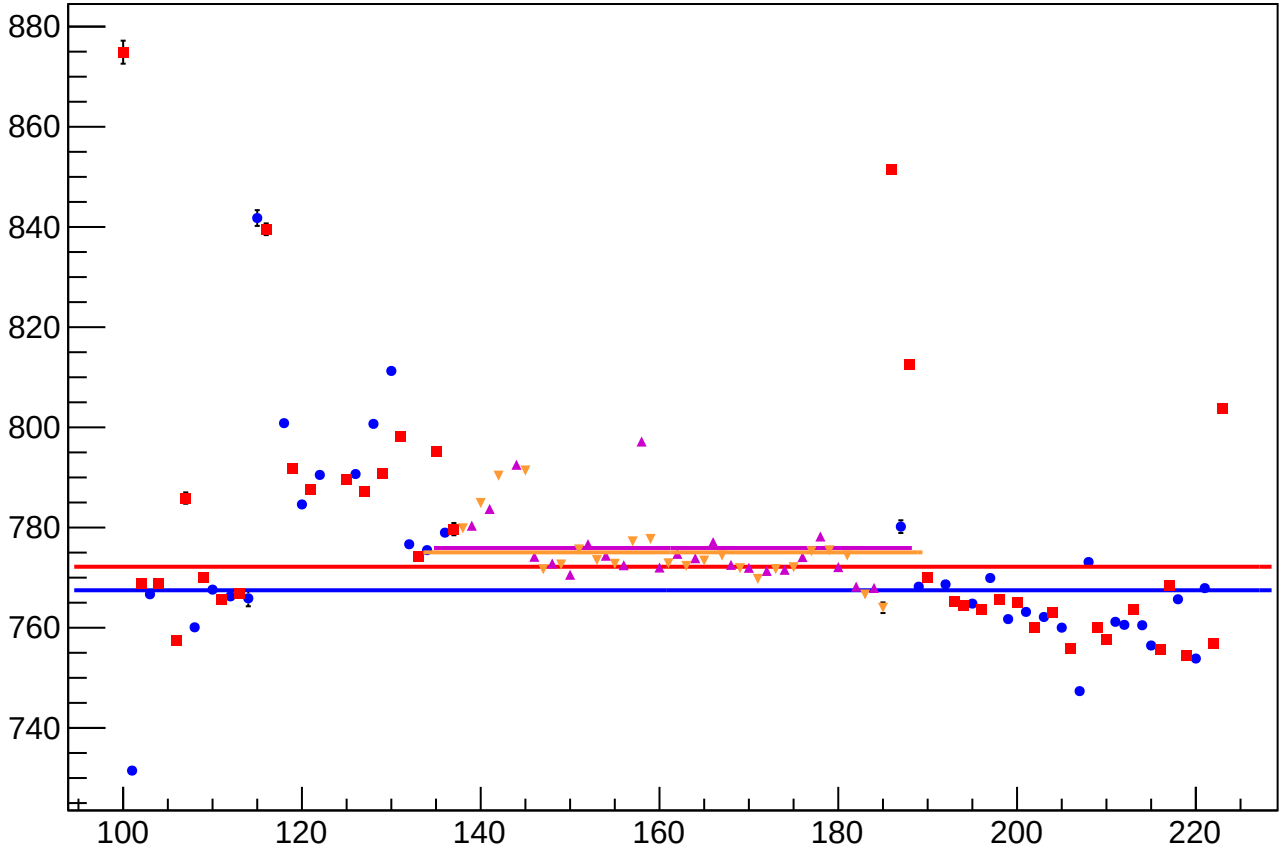
Right: 39.485+/-115.228 χ^2/NDF: 47.7/70

In: -161.025+/-121.286 χ^2/NDF:40.7/56

Out: -18.148+/-120.641 χ^2/NDF:47.7/60

All: -89.206+/-85.533 χ^2/NDF: 89.0/117

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

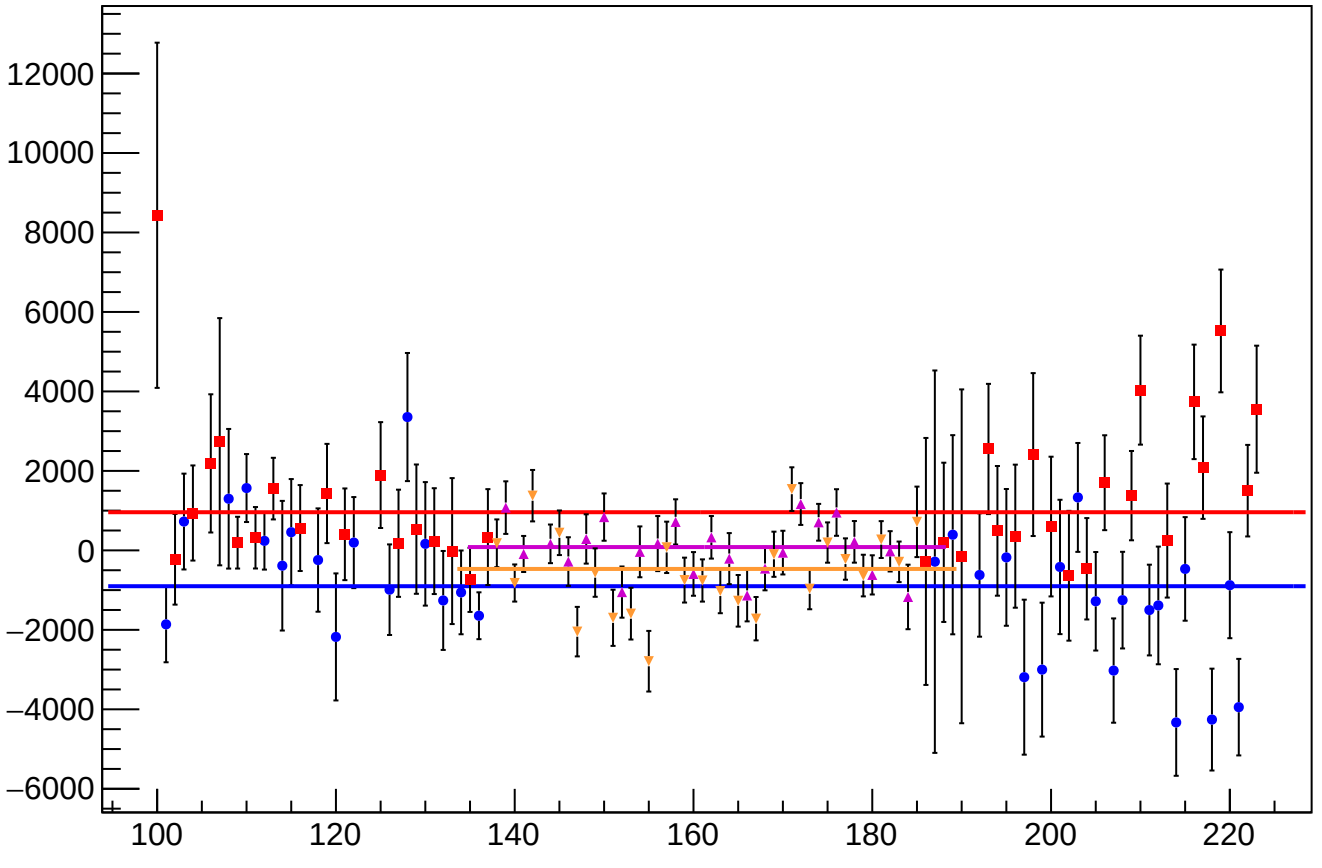
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.837+/-0.081 χ^2/NDF: 48161.1/70

In: 771.263+/-0.086 χ^2/NDF:23209.3/56

Out: 773.469+/-0.085 χ^2/NDF:31722.5/60

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



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

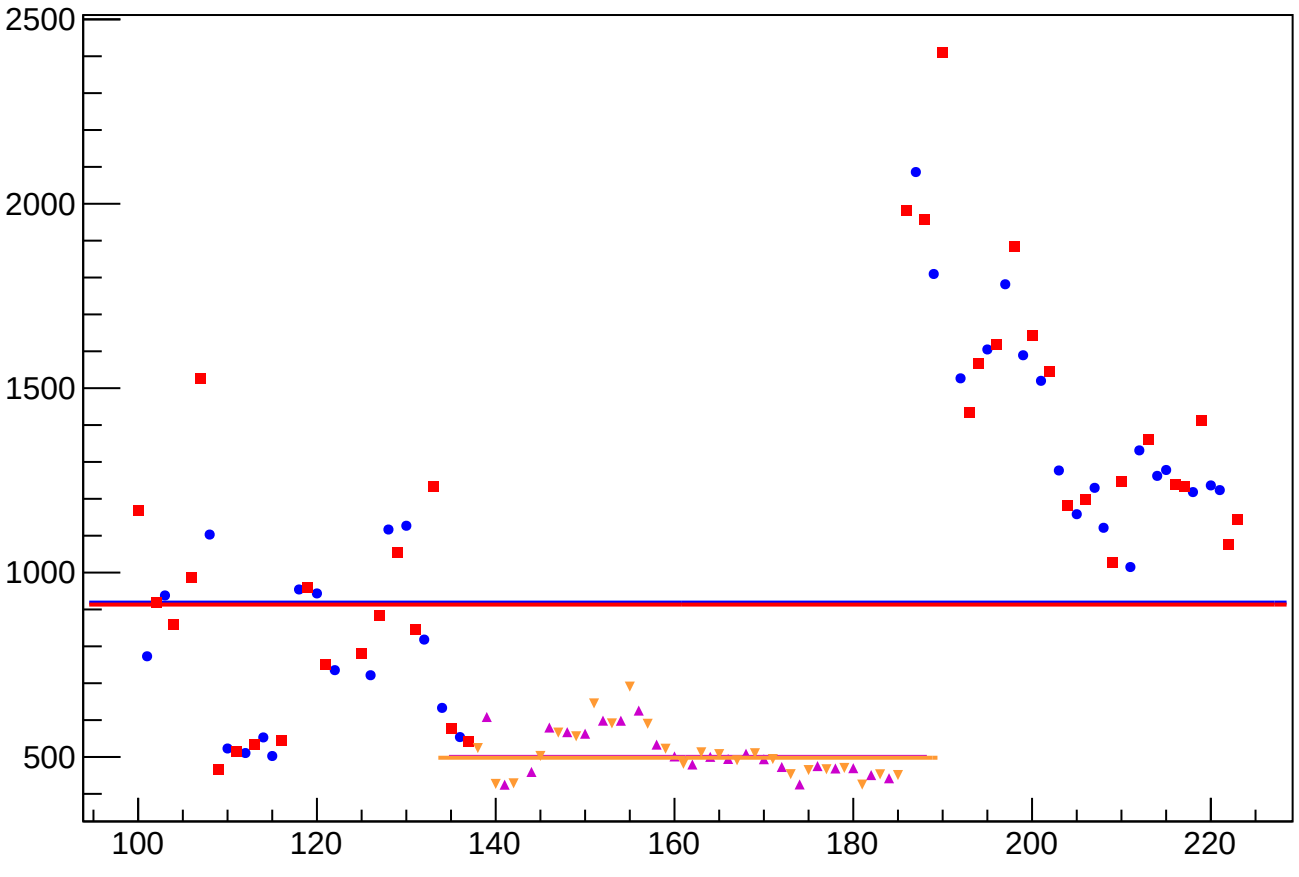
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 29.282+/-148.617 χ^2/NDF: 136.0/70

In: -152.297+/-102.768 χ^2/NDF:101.2/56

Out: -130.725+/-102.033 χ^2/NDF:140.0/60

All: -141.434+/-72.407 χ^2/NDF: 241.3/117



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

Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

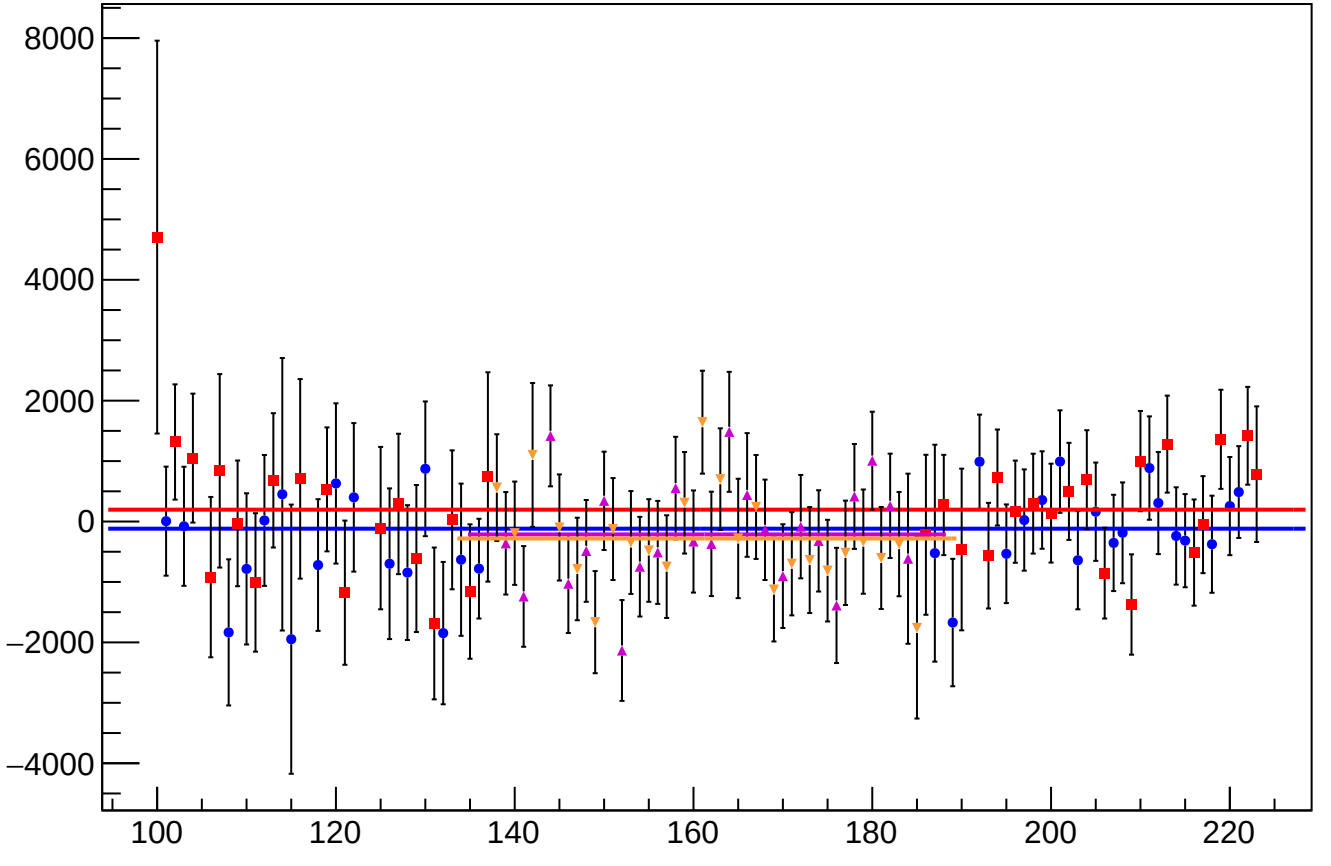
Right: 915.924+/-0.105 χ^2/NDF: 12630132.1/70

In: 600.296+/-0.073 χ^2/NDF:12173827.5/56

Out: 595.856+/-0.072 χ^2/NDF:13455953.1/60

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

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

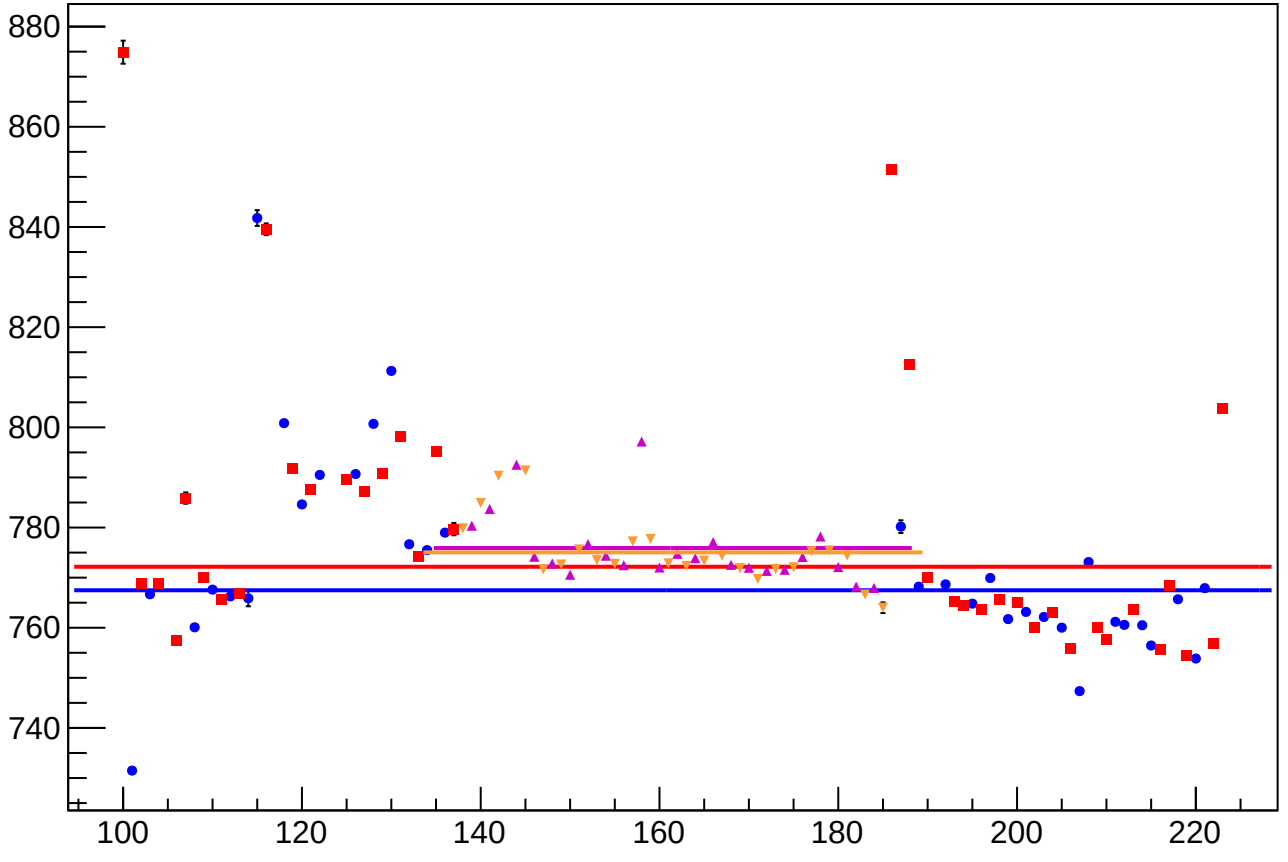
Right: 39.485+/-115.228 χ^2/NDF: 47.7/70

In: -161.025+/-121.286 χ^2/NDF:40.7/56

Out: -18.148+/-120.641 χ^2/NDF:47.7/60

All: -89.206+/-85.533 χ^2/NDF: 89.0/117

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

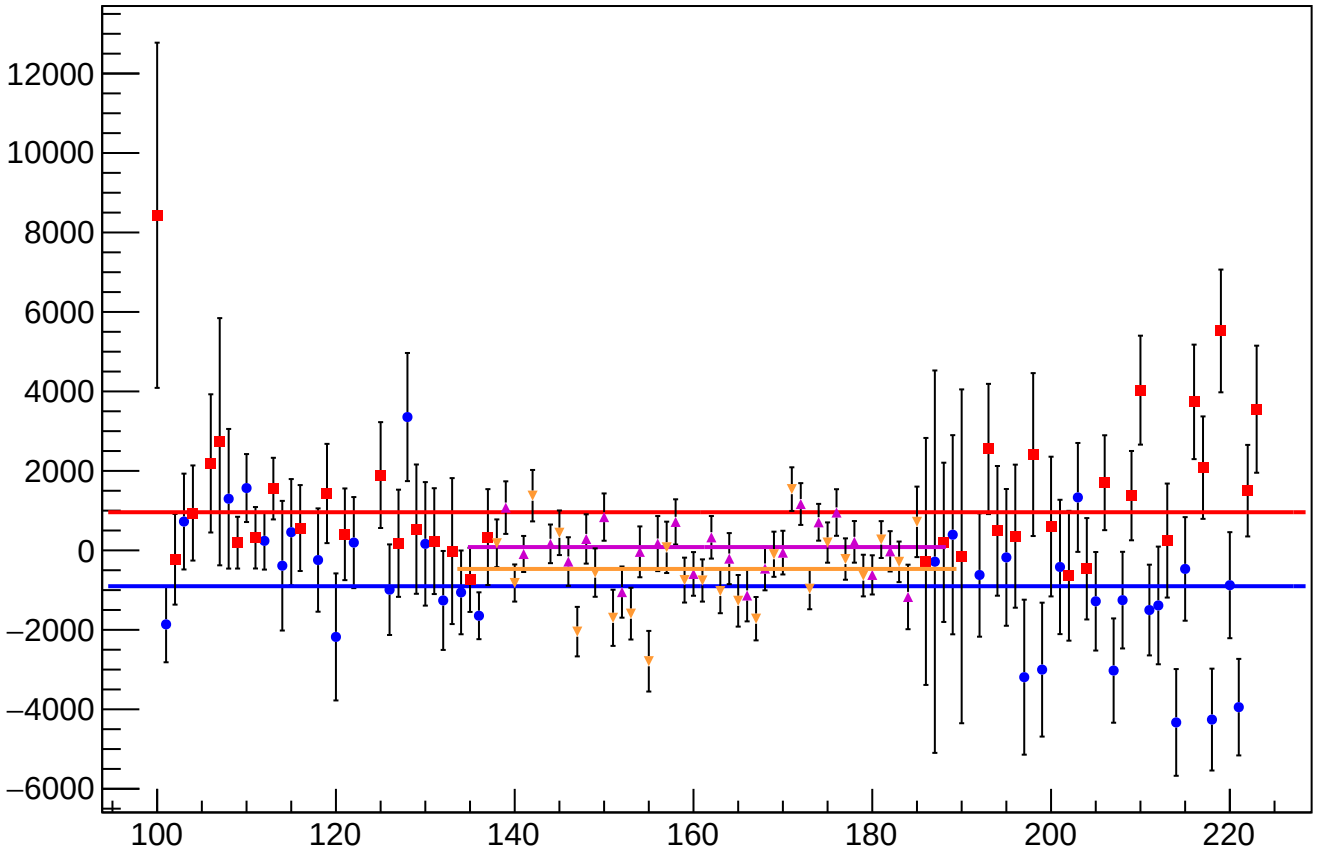
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.837+/-0.081 χ^2/NDF: 48161.1/70

In: 771.263+/-0.086 χ^2/NDF:23209.3/56

Out: 773.469+/-0.085 χ^2/NDF:31722.5/60

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



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

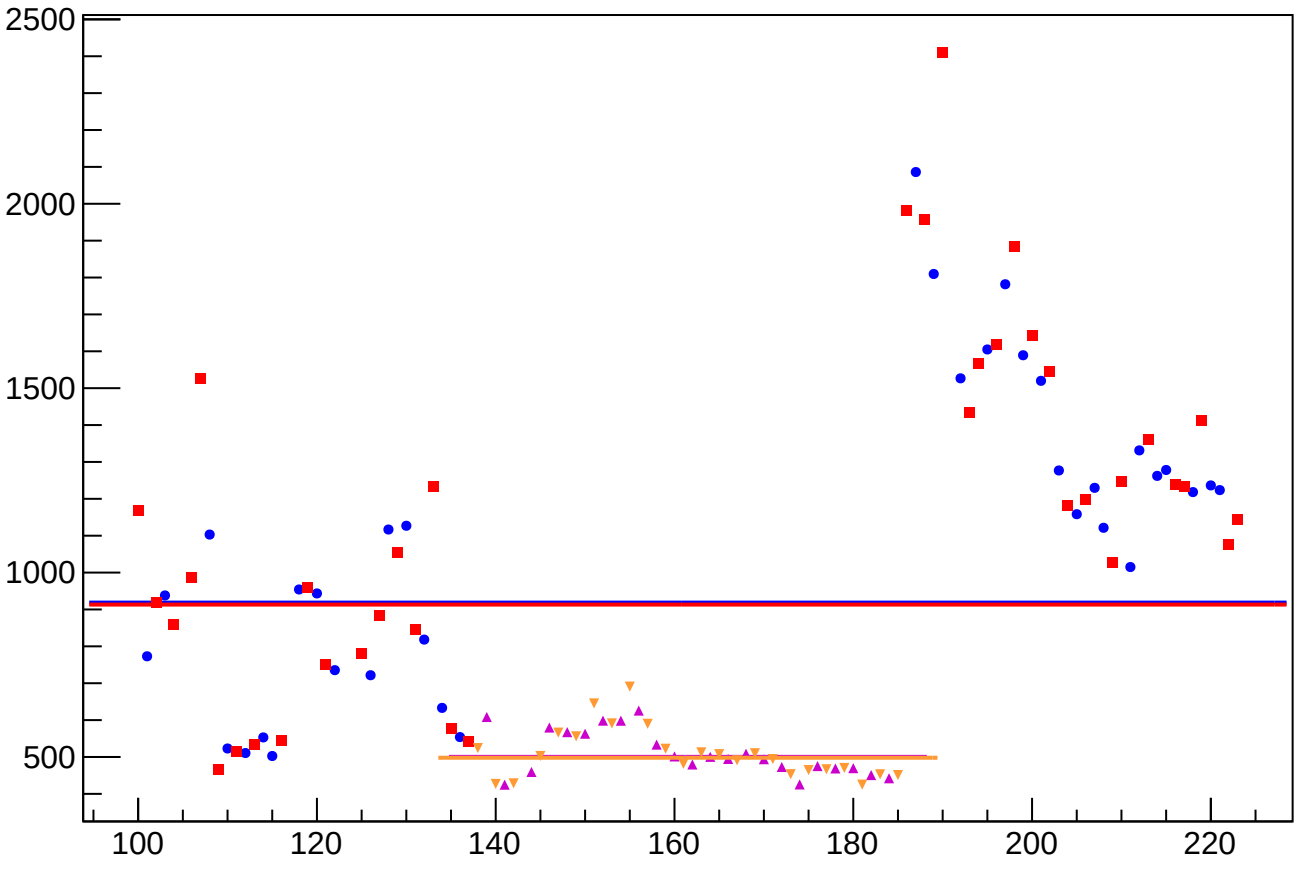
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 29.282+/-148.617 χ^2/NDF: 136.0/70

In: -152.297+/-102.768 χ^2/NDF:101.2/56

Out: -130.725+/-102.033 χ^2/NDF:140.0/60

All: -141.434+/-72.407 χ^2/NDF: 241.3/117



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

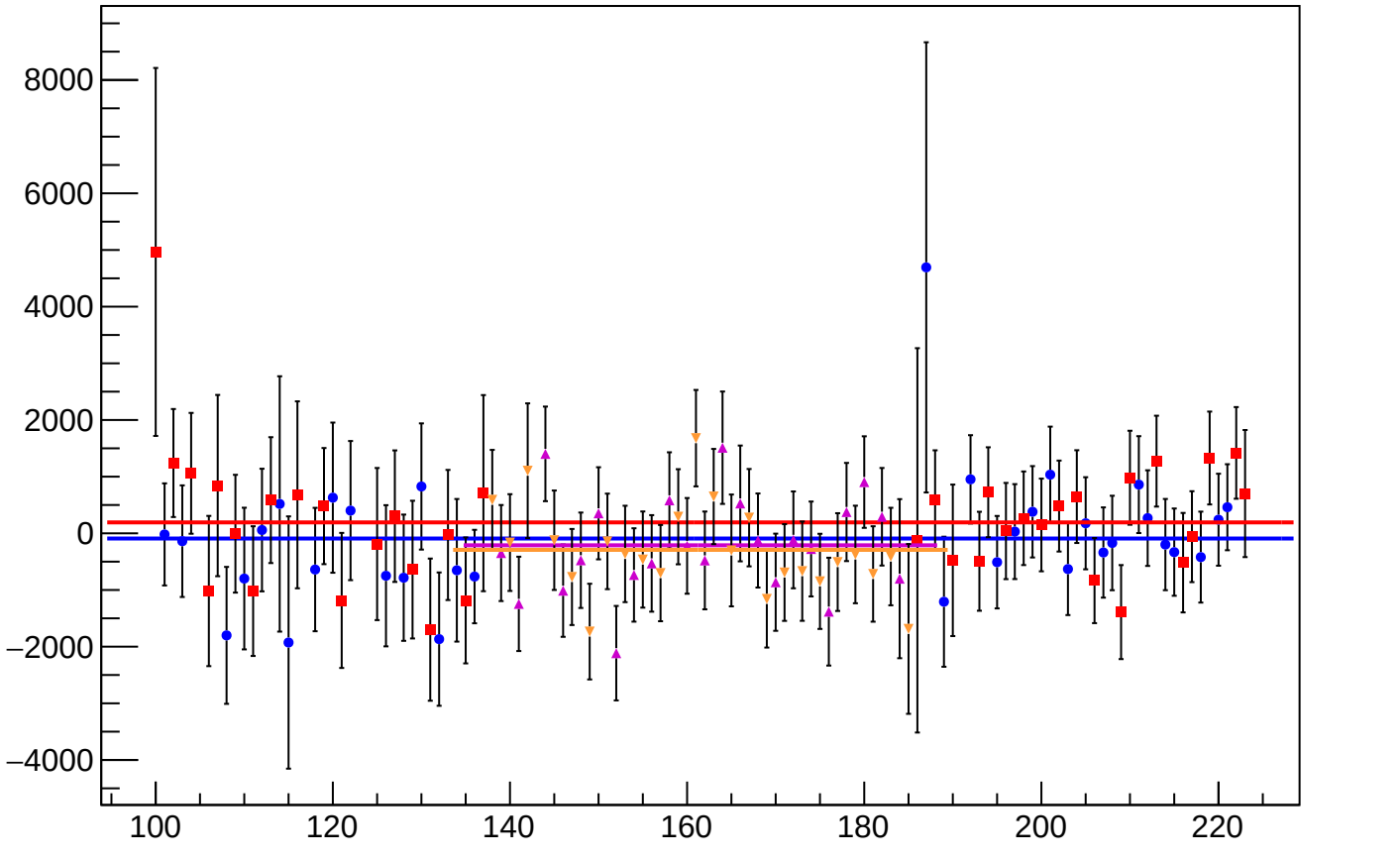
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 915.924+/-0.105 χ^2/NDF: 12630132.1/70

In: 600.296+/-0.073 χ^2/NDF:12173827.5/56

Out: 595.856+/-0.072 χ^2/NDF:13455953.1/60

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



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

Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

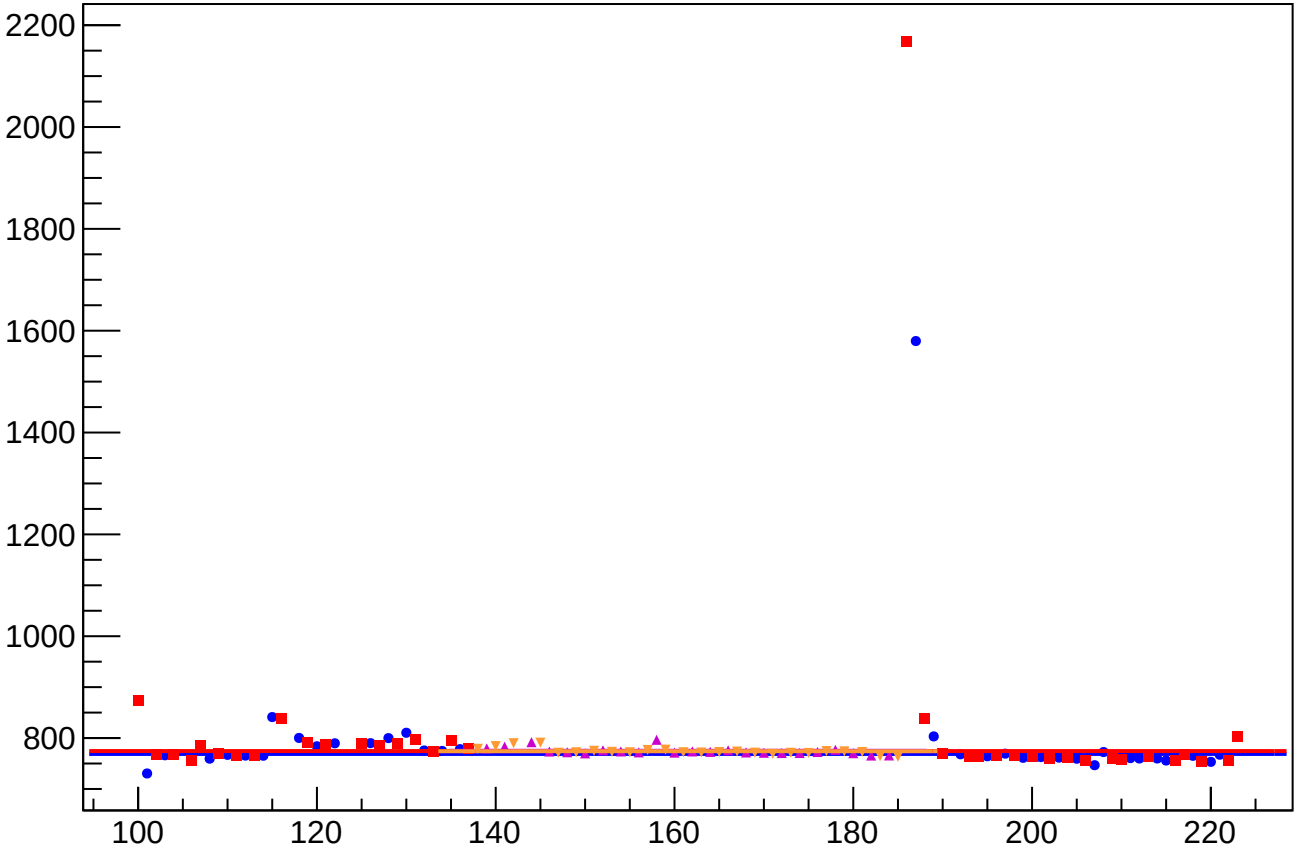
Right: 50.603+/-115.927 χ^2/NDF: 47.2/70

In: -145.600+/-121.511 χ^2/NDF:40.3/56

Out: -27.440+/-121.090 χ^2/NDF:48.3/60

All: -86.315+/-85.772 χ^2/NDF: 89.1/117

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

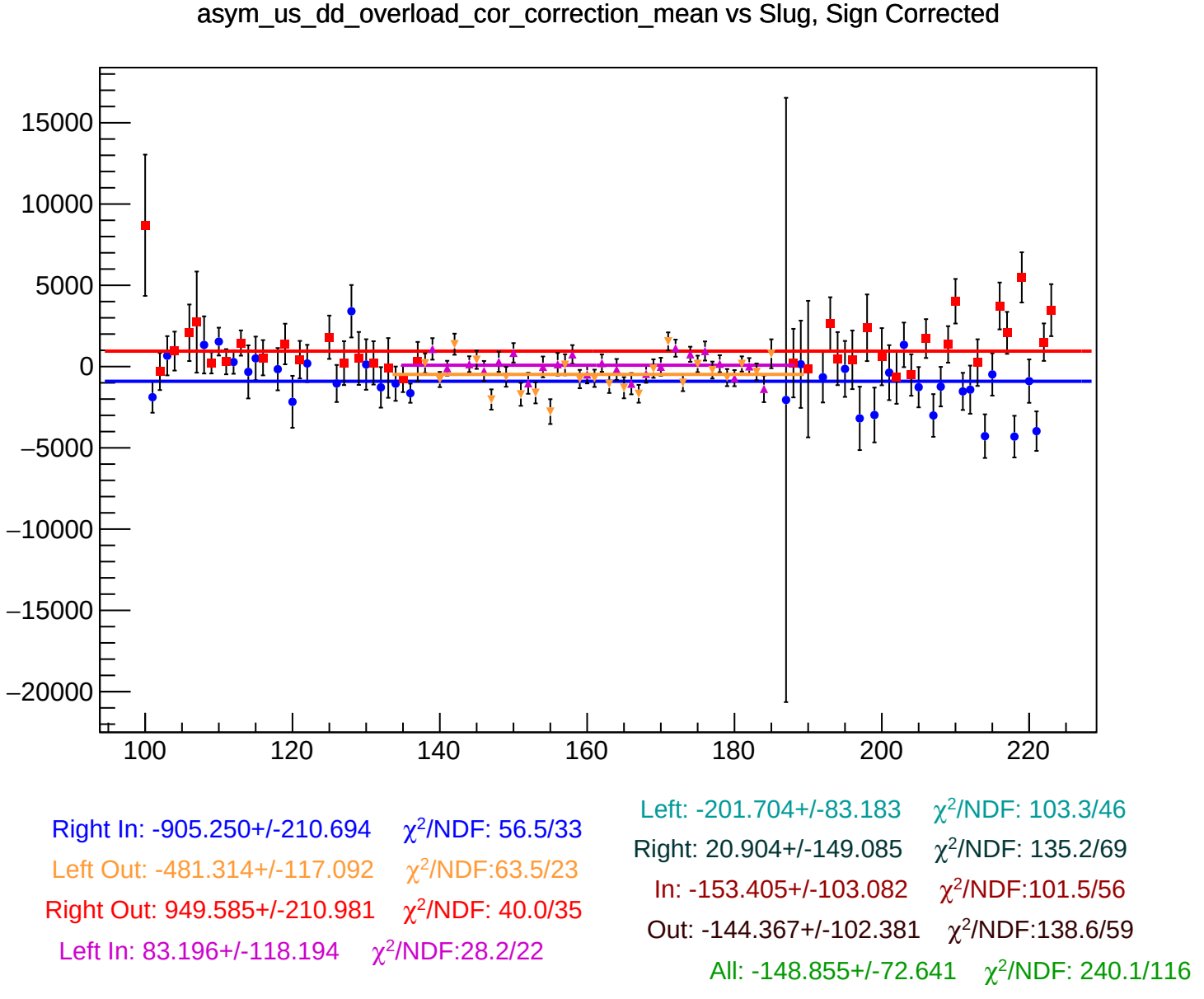
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 771.632+/-0.082 χ^2/NDF: 471594.1/70

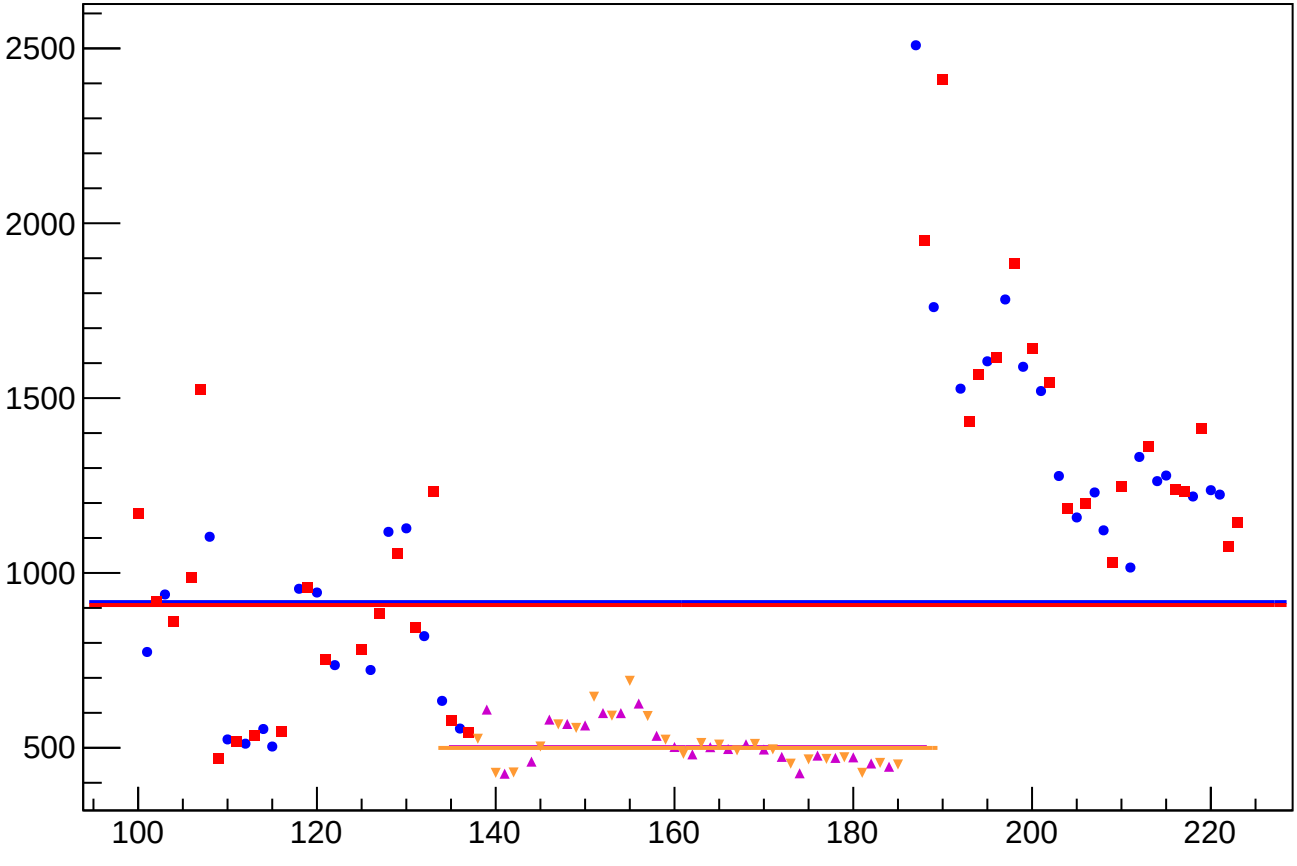
In: 771.610+/-0.086 χ^2/NDF:107626.0/56

Out: 774.297+/-0.086 χ^2/NDF:369286.7/60

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


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -905.250+/-210.694 χ²/NDF: 56.5/33
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 949.585+/-210.981 χ²/NDF: 40.0/35
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 20.904+/-149.085 χ²/NDF: 135.2/69
In: -153.405+/-103.082 χ²/NDF:101.5/56
Out: -144.367+/-102.381 χ²/NDF:138.6/59
All: -148.855+/-72.641 χ²/NDF: 240.1/116

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



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

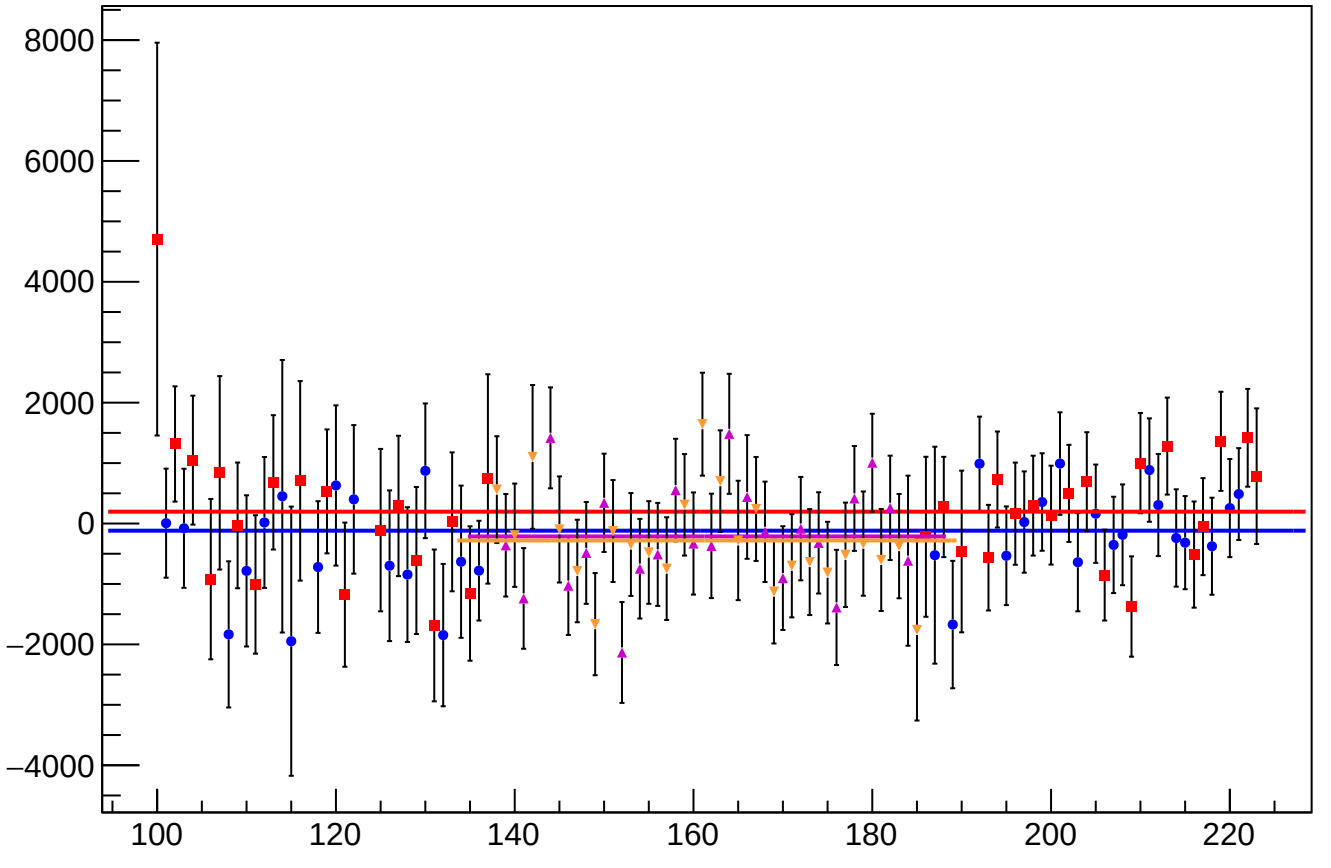
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 912.466+/-0.105 χ^2/NDF: 12127161.7/69

In: 601.270+/-0.073 χ^2/NDF:11848151.9/56

Out: 595.890+/-0.072 χ^2/NDF:12887440.0/59

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



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

Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

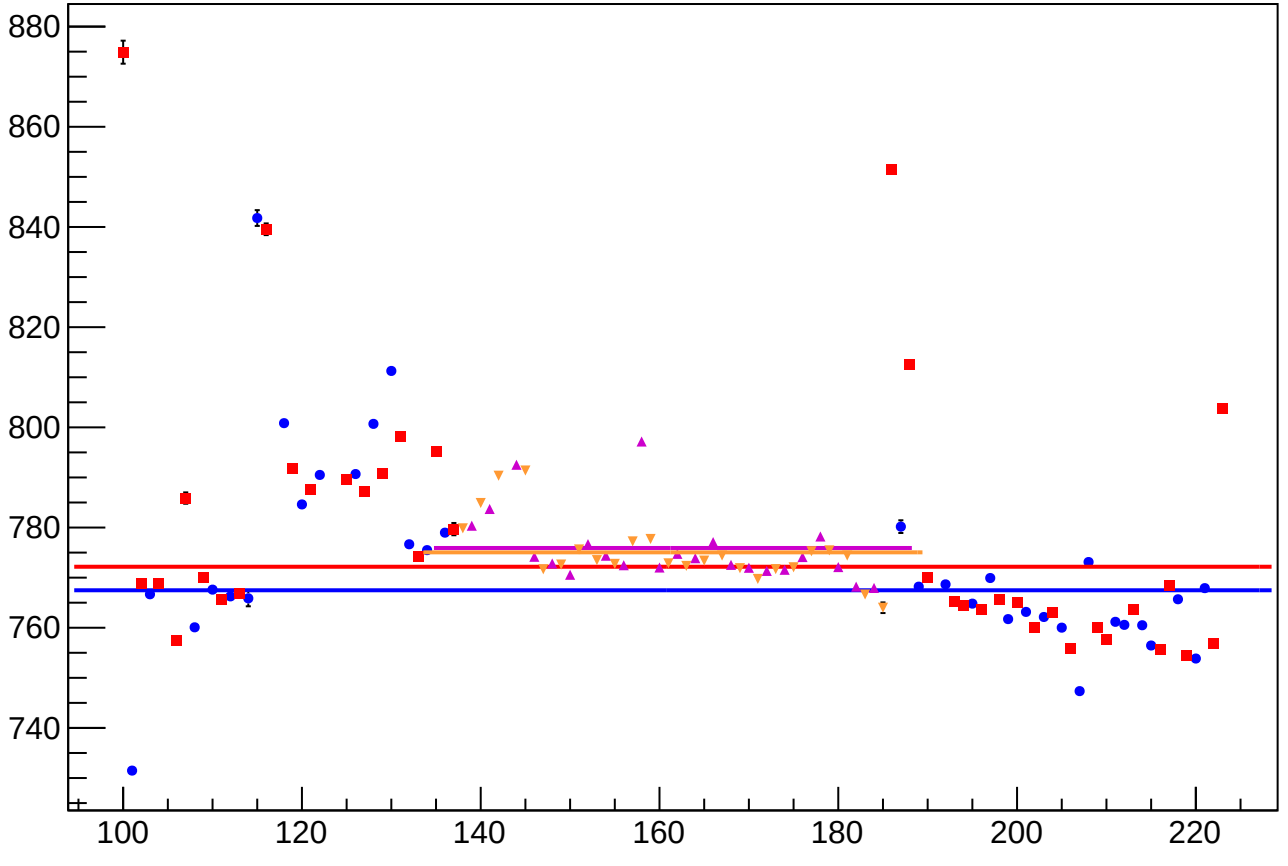
Right: 39.485+/-115.228 χ^2/NDF: 47.7/70

In: -161.025+/-121.286 χ^2/NDF:40.7/56

Out: -18.148+/-120.641 χ^2/NDF:47.7/60

All: -89.206+/-85.533 χ^2/NDF: 89.0/117

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

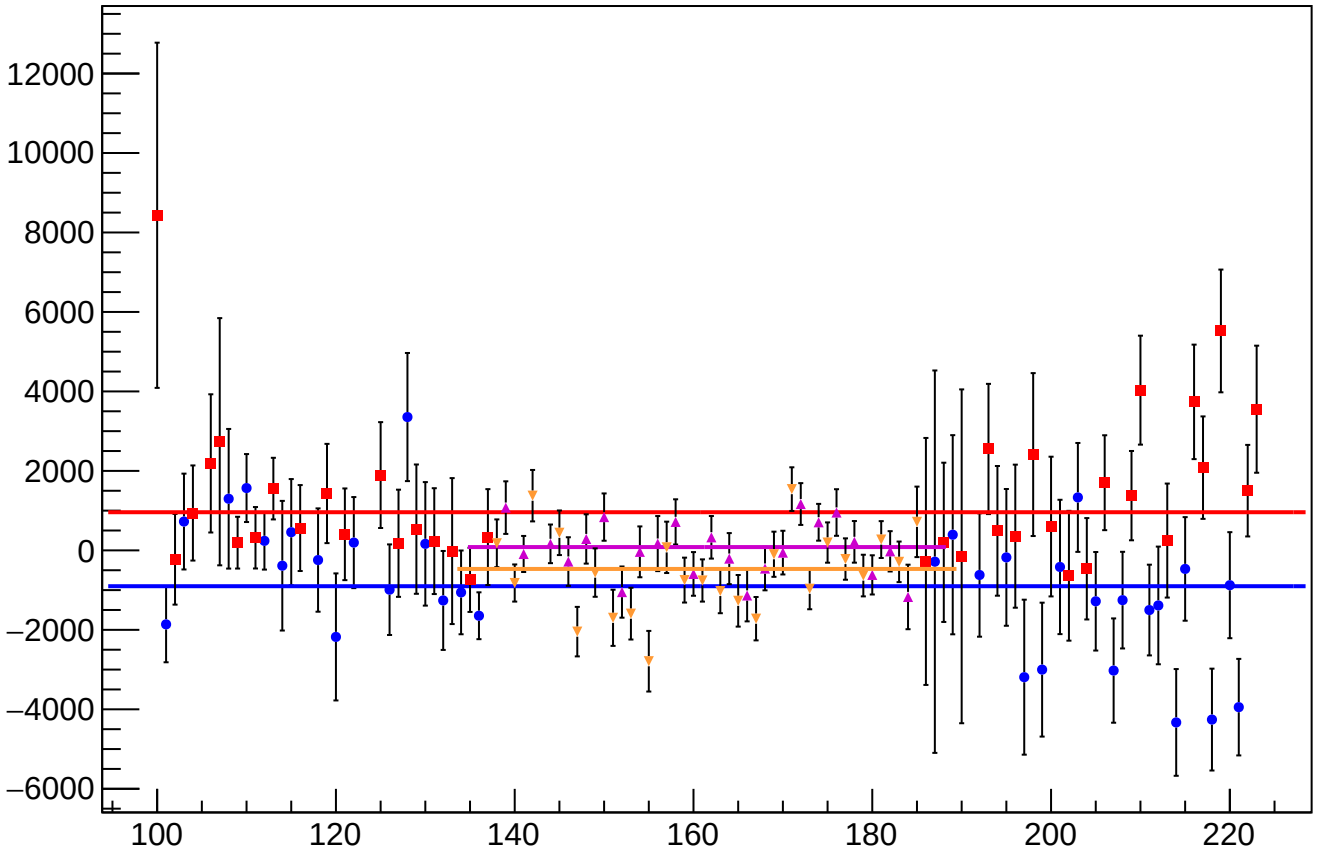
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.837+/-0.081 χ^2/NDF: 48161.1/70

In: 771.263+/-0.086 χ^2/NDF:23209.3/56

Out: 773.469+/-0.085 χ^2/NDF:31722.5/60

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



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

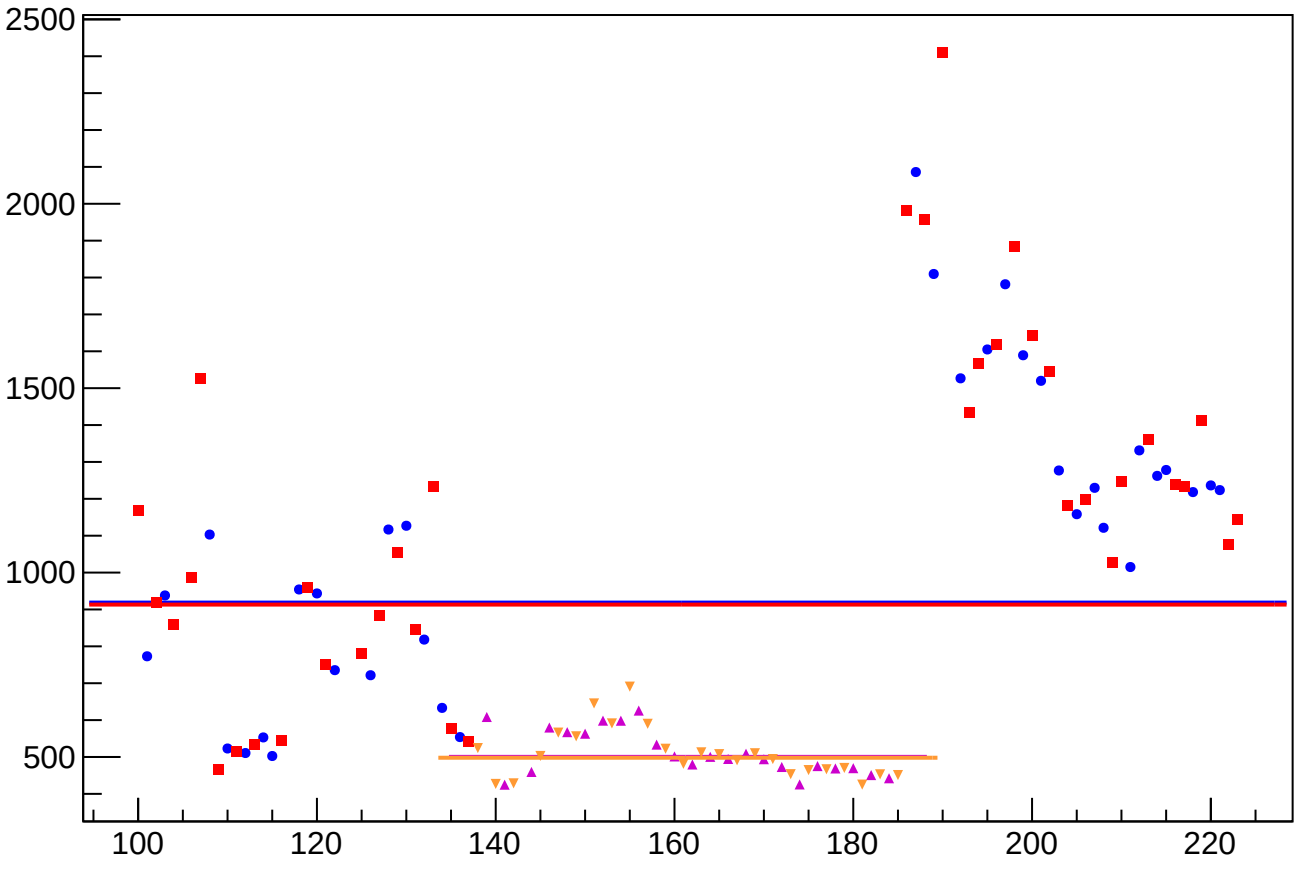
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 29.282+/-148.617 χ^2/NDF: 136.0/70

In: -152.297+/-102.768 χ^2/NDF:101.2/56

Out: -130.725+/-102.033 χ^2/NDF:140.0/60

All: -141.434+/-72.407 χ^2/NDF: 241.3/117



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

Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

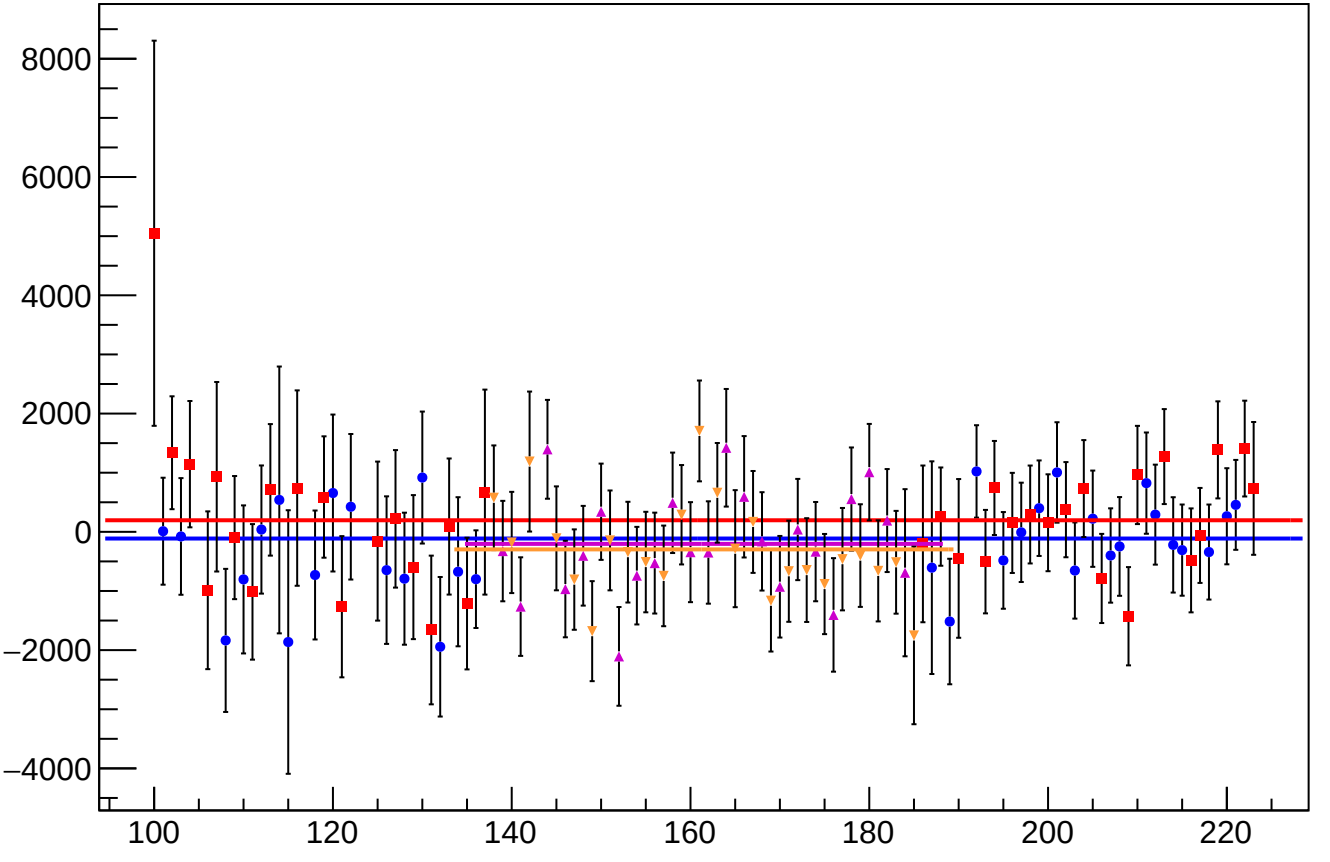
Right: 915.924+/-0.105 χ^2/NDF: 12630132.1/70

In: 600.296+/-0.073 χ^2/NDF:12173827.5/56

Out: 595.856+/-0.072 χ^2/NDF:13455953.1/60

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

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

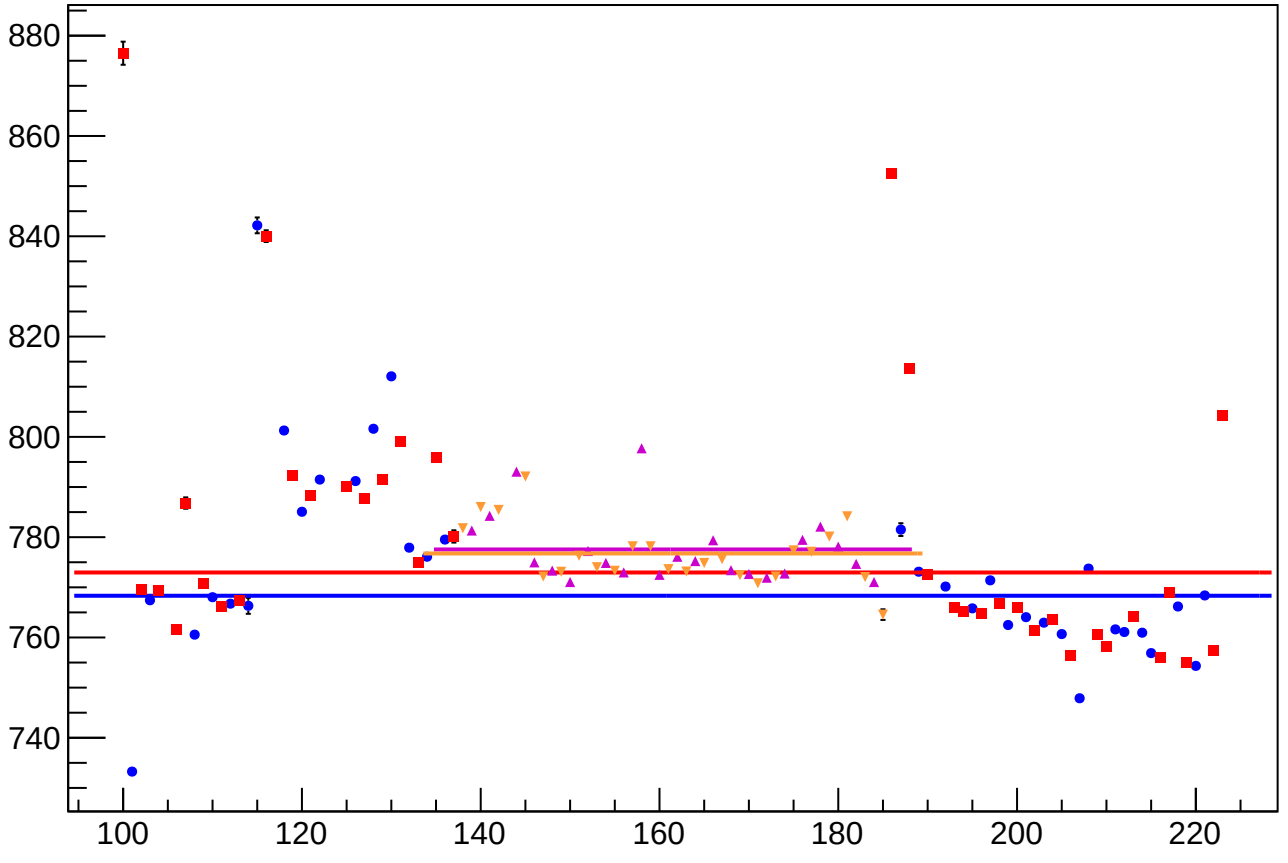
Right: 41.938+/-115.355 χ^2/NDF: 48.2/70

In: -153.513+/-121.473 χ^2/NDF:40.3/56

Out: -25.481+/-120.835 χ^2/NDF:49.1/60

All: -89.160+/-85.668 χ^2/NDF: 90.0/117

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

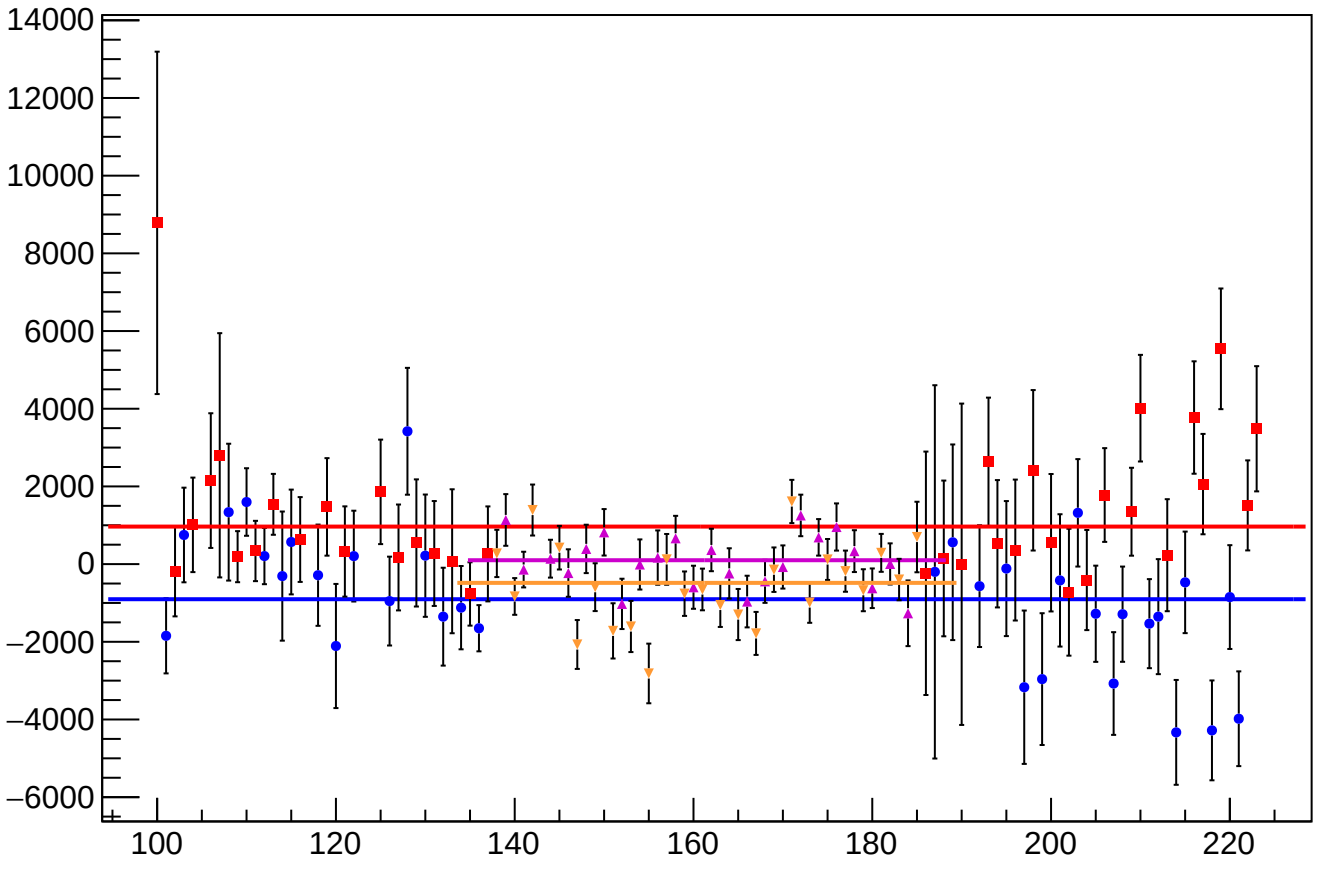
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.648+/-0.082 χ^2/NDF: 48031.7/70

In: 772.452+/-0.086 χ^2/NDF:23360.5/56

Out: 774.662+/-0.085 χ^2/NDF:31782.3/60

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



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

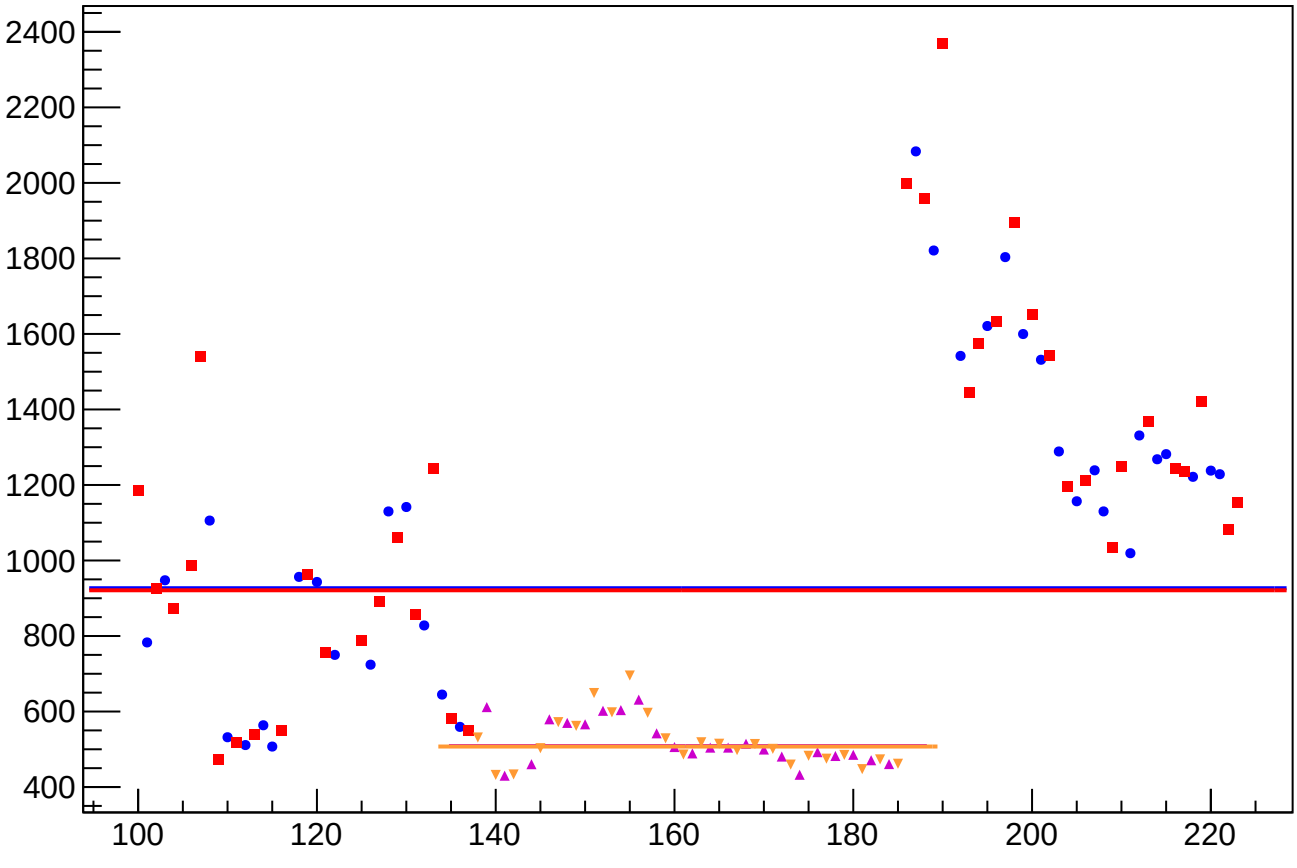
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 31.478+/-149.787 χ^2/NDF: 135.7/70

In: -142.814+/-104.202 χ^2/NDF:100.9/56

Out: -136.079+/-103.616 χ^2/NDF:140.9/60

All: -139.428+/-73.474 χ^2/NDF: 241.9/117



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

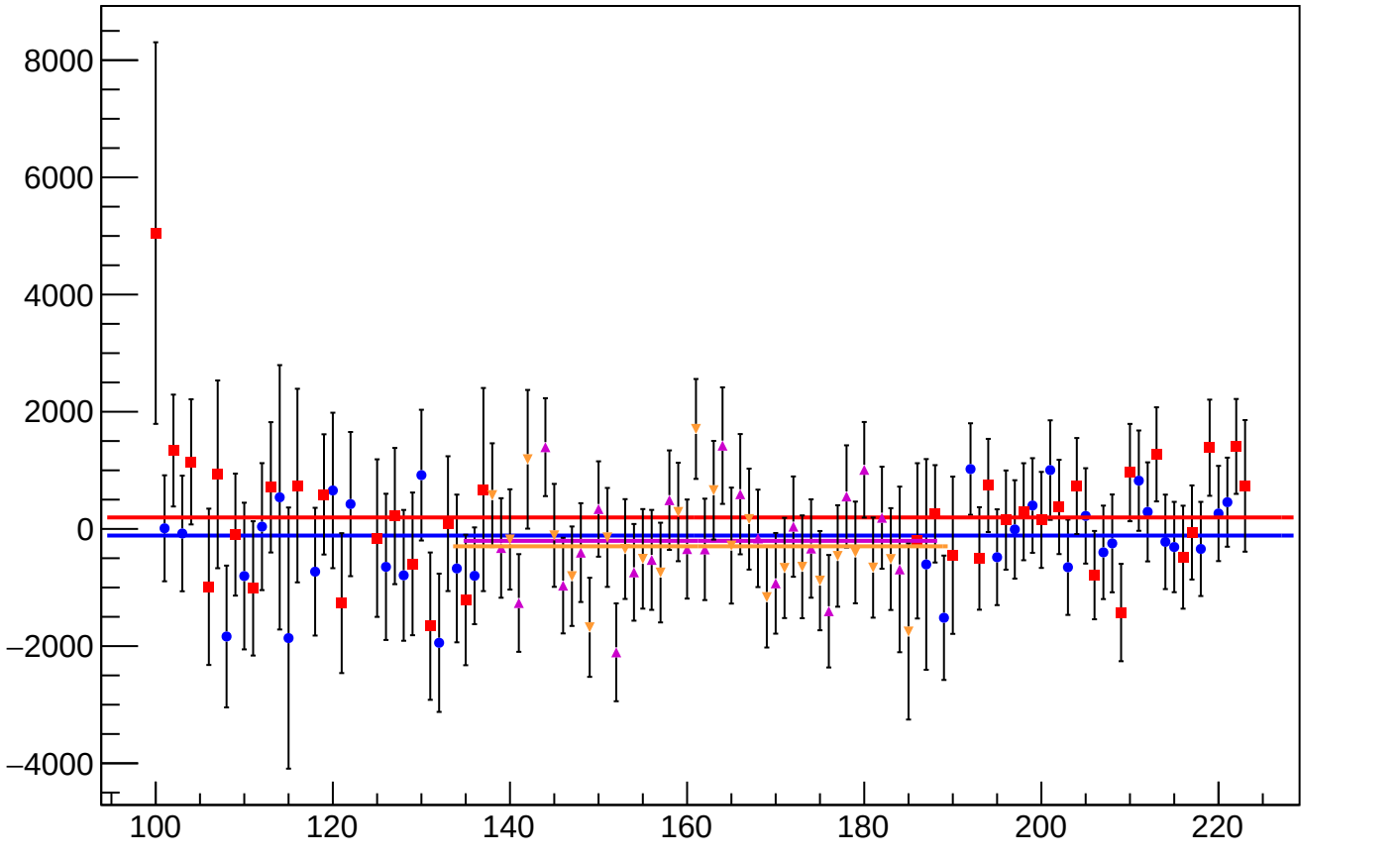
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 923.842+/-0.106 χ^2/NDF: 12521833.7/70

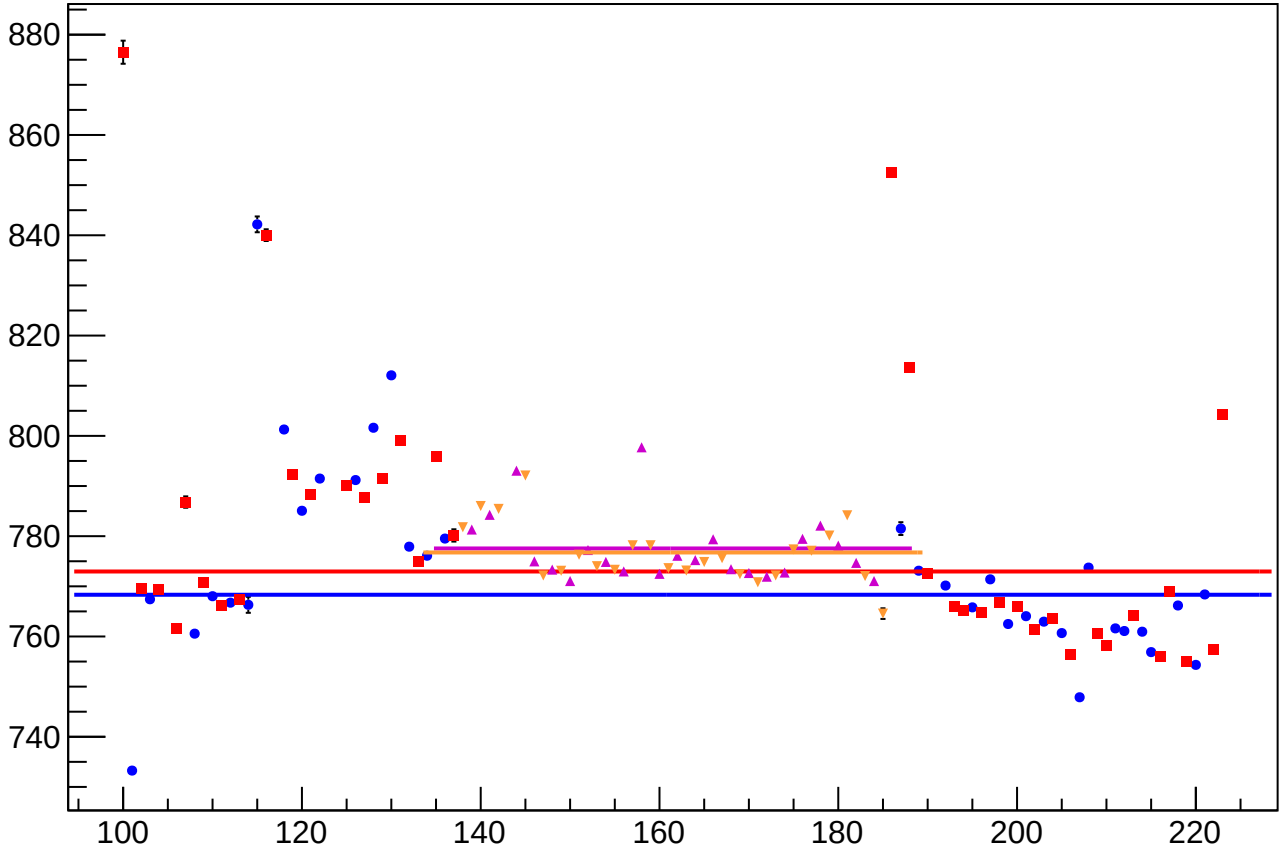
In: 609.729+/-0.074 χ^2/NDF:11952155.1/56

Out: 606.364+/-0.073 χ^2/NDF:13182487.3/60

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


eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -113.126+/-163.451 χ²/NDF: 18.0/33
Left Out: -296.771+/-180.280 χ²/NDF:16.7/23
Right Out: 195.813+/-162.824 χ²/NDF: 28.3/36
Left In: -203.338+/-181.548 χ²/NDF:22.1/22
Left: -250.382+/-127.923 χ²/NDF: 38.9/46
Right: 41.937+/-115.355 χ²/NDF: 48.2/70
In: -153.513+/-121.473 χ²/NDF:40.3/56
Out: -25.483+/-120.835 χ²/NDF:49.1/60
All: -89.161+/-85.668 χ²/NDF: 90.0/117

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



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

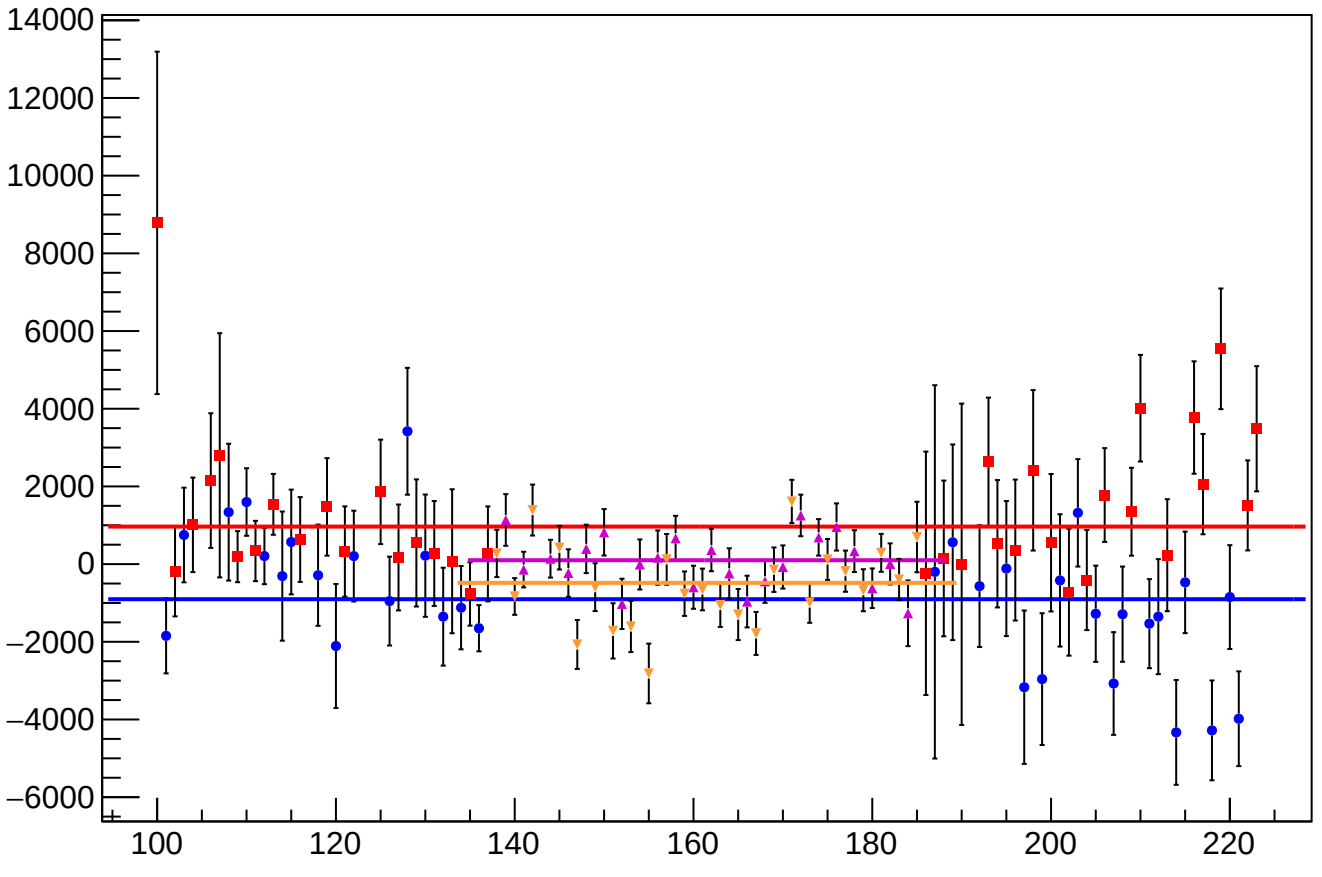
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.648+/-0.082 χ^2/NDF: 48031.7/70

In: 772.452+/-0.086 χ^2/NDF:23360.5/56

Out: 774.662+/-0.085 χ^2/NDF:31782.3/60

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



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

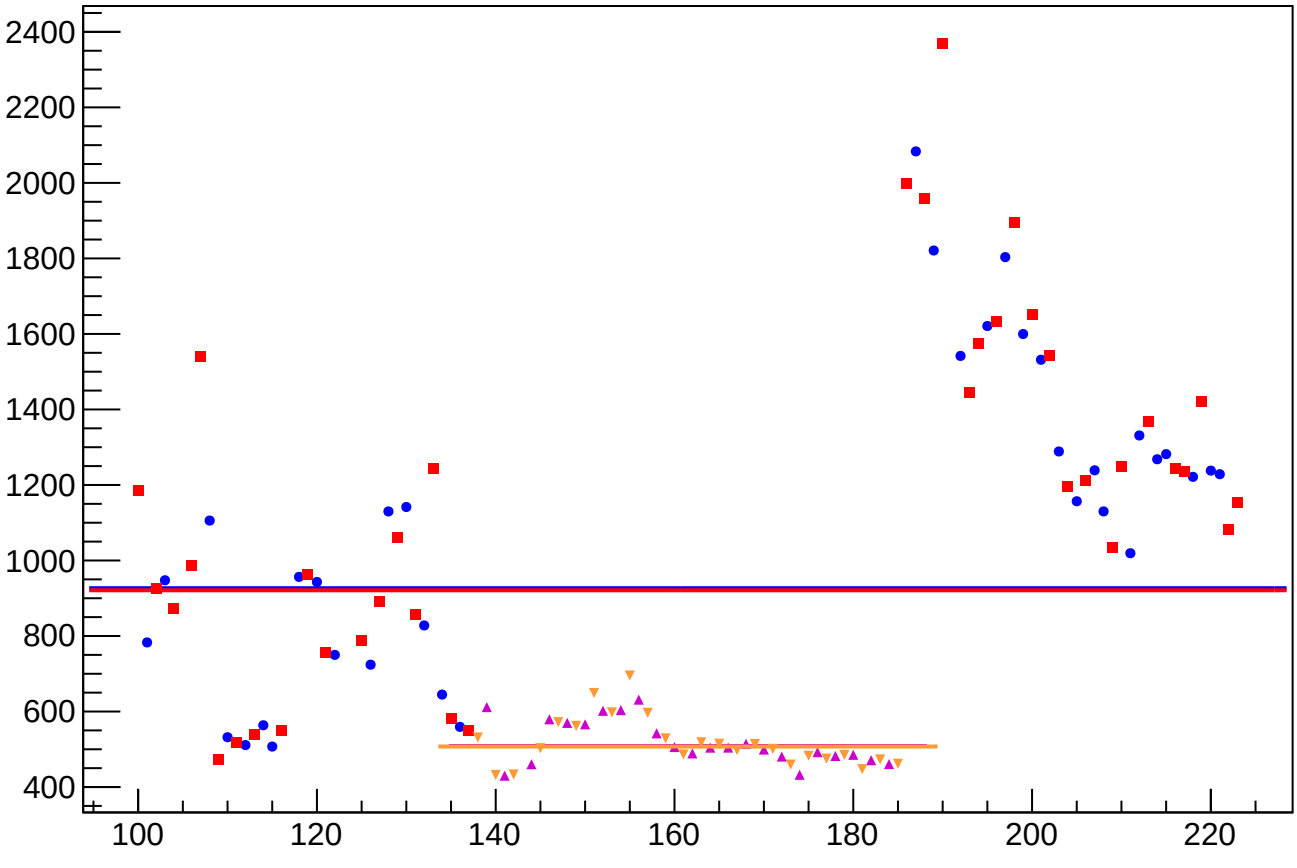
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 31.480+/-149.787 χ^2/NDF: 135.7/70

In: -142.814+/-104.202 χ^2/NDF:100.9/56

Out: -136.079+/-103.616 χ^2/NDF:140.9/60

All: -139.427+/-73.474 χ^2/NDF: 241.9/117



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

Left: 507.974+/-0.060 χ^2/NDF: 906576.5/46

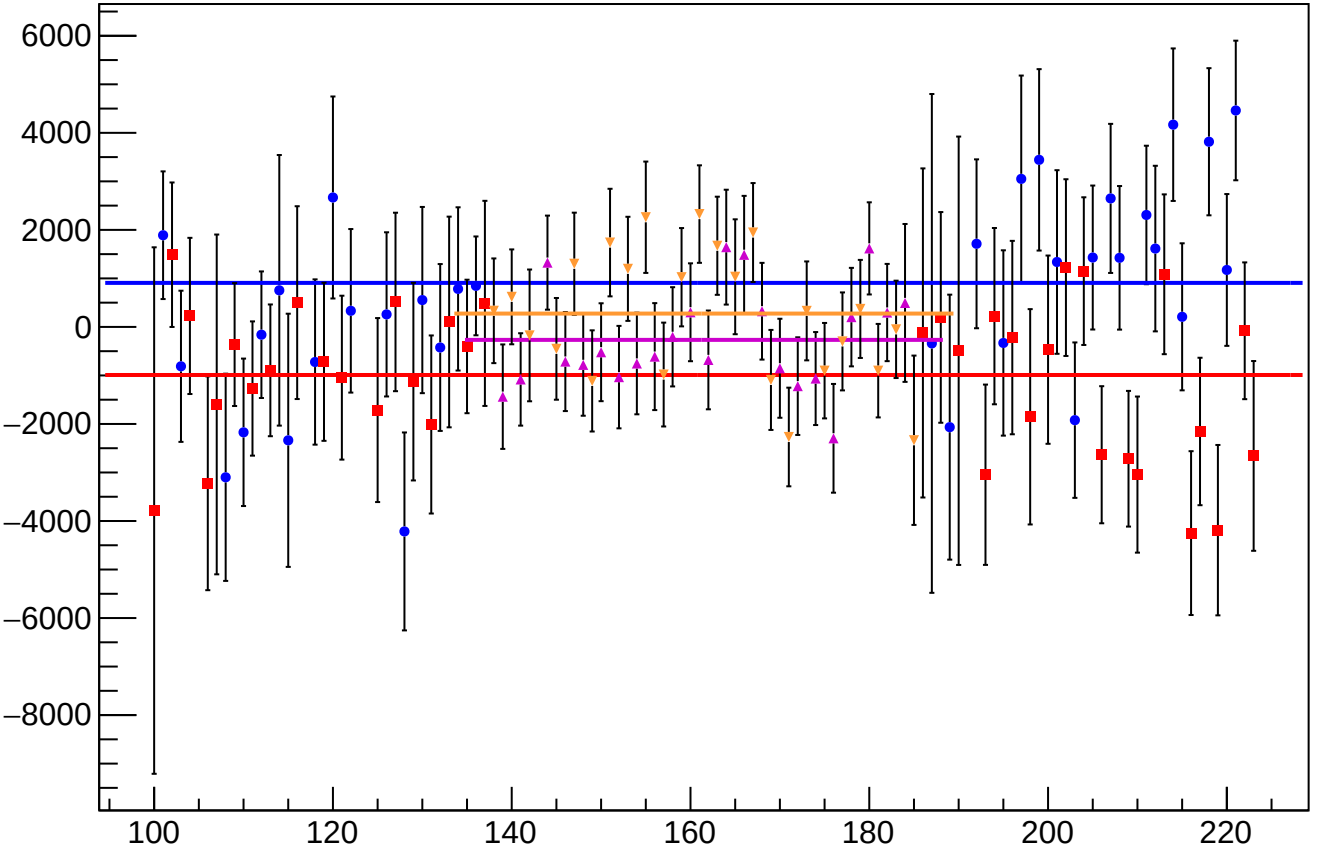
Right: 923.839+/-0.106 χ^2/NDF: 12521994.8/70

In: 609.729+/-0.074 χ^2/NDF:11952183.5/56

Out: 606.364+/-0.073 χ^2/NDF:13182502.0/60

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

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 907.592+/-285.849 χ^2/NDF: 45.4/33

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

Right Out: -990.620+/-289.382 χ^2/NDF: 28.3/36

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

Left: 5.805+/-153.431 χ^2/NDF: 58.1/46

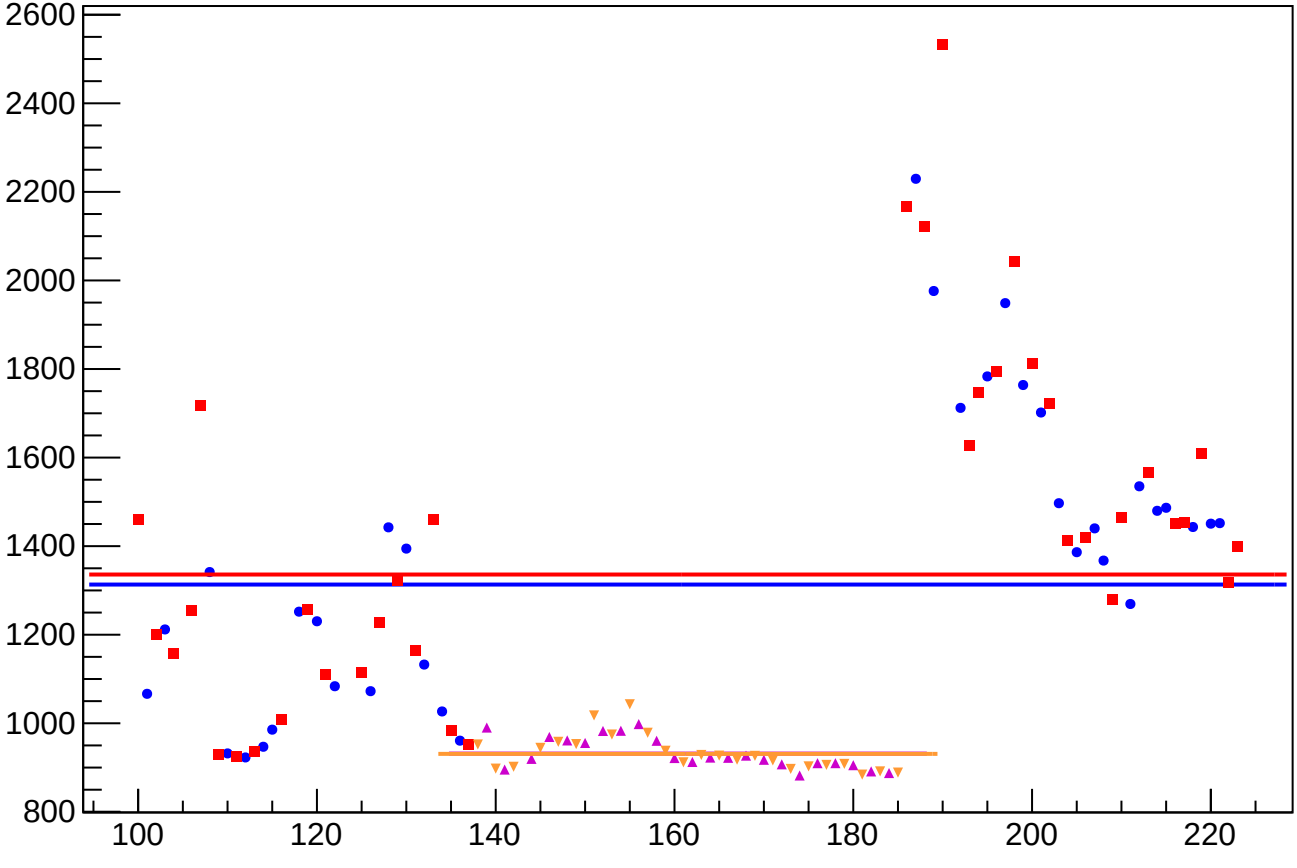
Right: -29.857+/-203.363 χ^2/NDF: 95.5/70

In: 164.114+/-173.184 χ^2/NDF:77.4/56

Out: -178.499+/-173.246 χ^2/NDF:74.3/60

All: -7.131+/-122.482 χ^2/NDF: 153.6/117

asym_us_dd_rms vs Slug, Sign Corrected



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

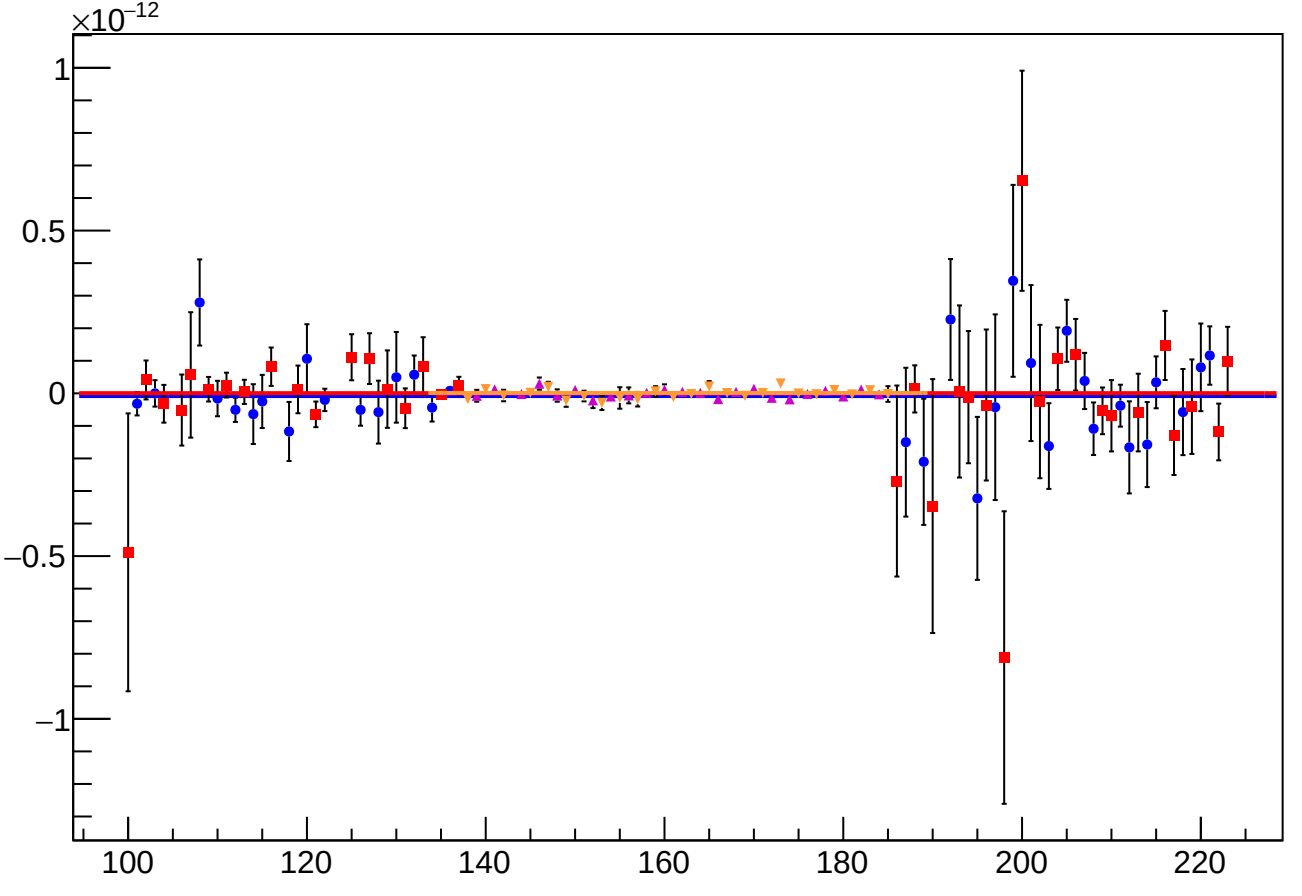
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1324.467+/-0.144 χ^2/NDF: 4153557.6/70

In: 1071.676+/-0.122 χ^2/NDF:4138112.7/56

Out: 1076.084+/-0.123 χ^2/NDF:4890946.8/60

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



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

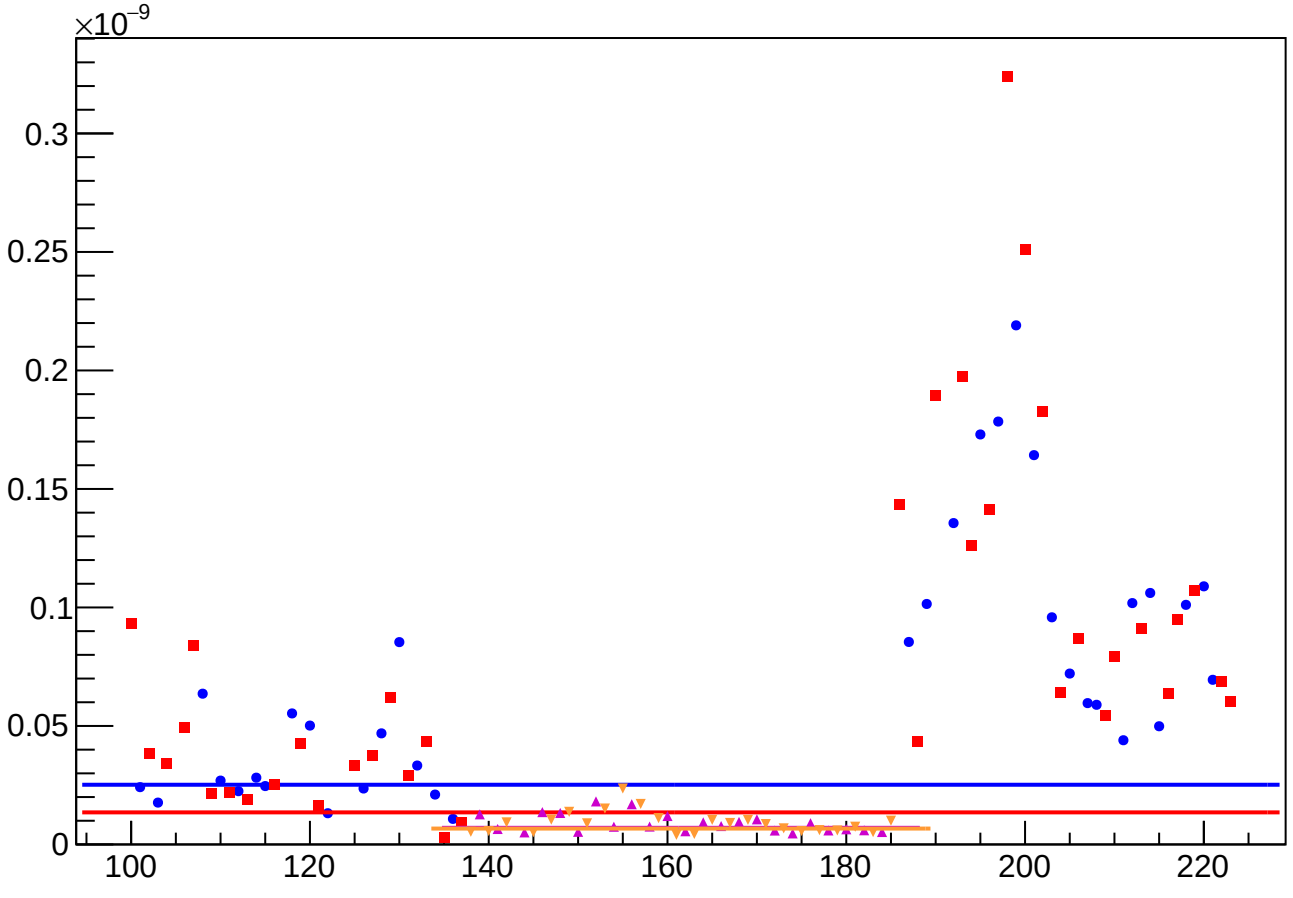
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 66.3/70

In: -0.000+/-0.000 χ^2/NDF:56.1/56

Out: 0.000+/-0.000 χ^2/NDF:58.1/60

All: 0.000+/-0.000 χ^2/NDF: 114.6/117



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

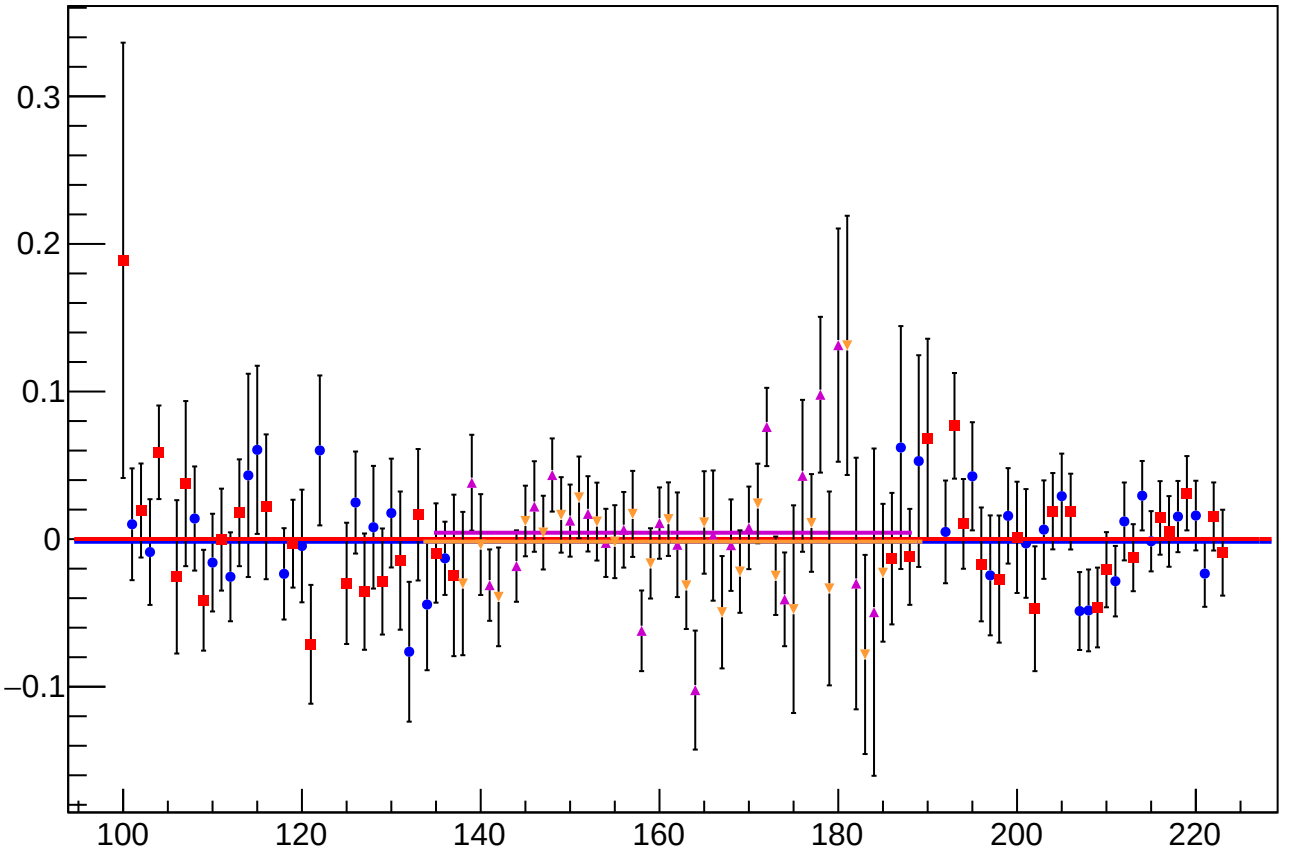
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 33540206.0/70

In: 0.000+/-0.000 χ^2/NDF:21698202.7/56

Out: 0.000+/-0.000 χ^2/NDF:23764381.3/60

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



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

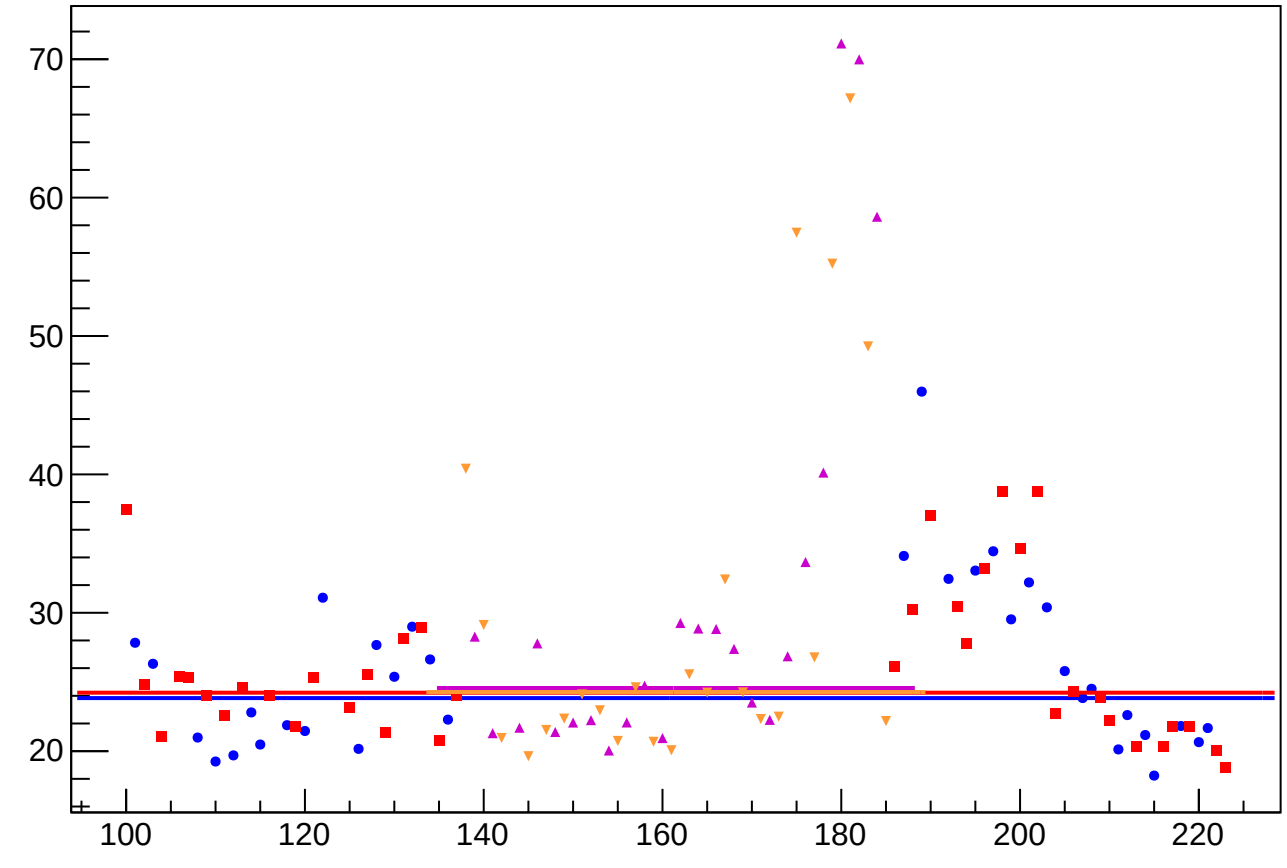
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.004 χ^2/NDF: 54.0/70

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.001+/-0.004 χ^2/NDF:43.6/60

All: 0.000+/-0.003 χ^2/NDF: 105.7/117



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

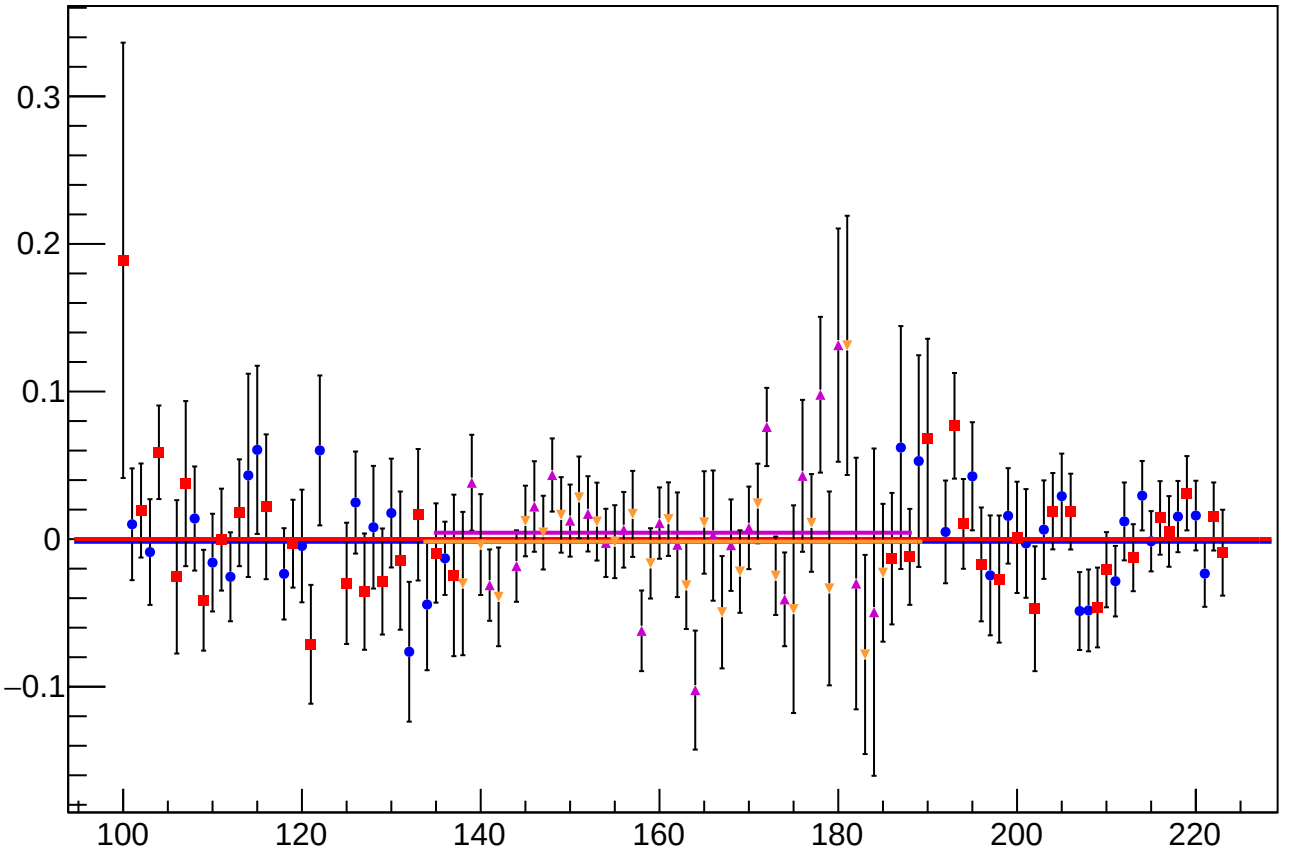
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.030+/-0.003 χ^2/NDF: 2820138.8/70

In: 24.143+/-0.003 χ^2/NDF:3573043.8/56

Out: 24.247+/-0.003 χ^2/NDF:3700714.2/60

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



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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

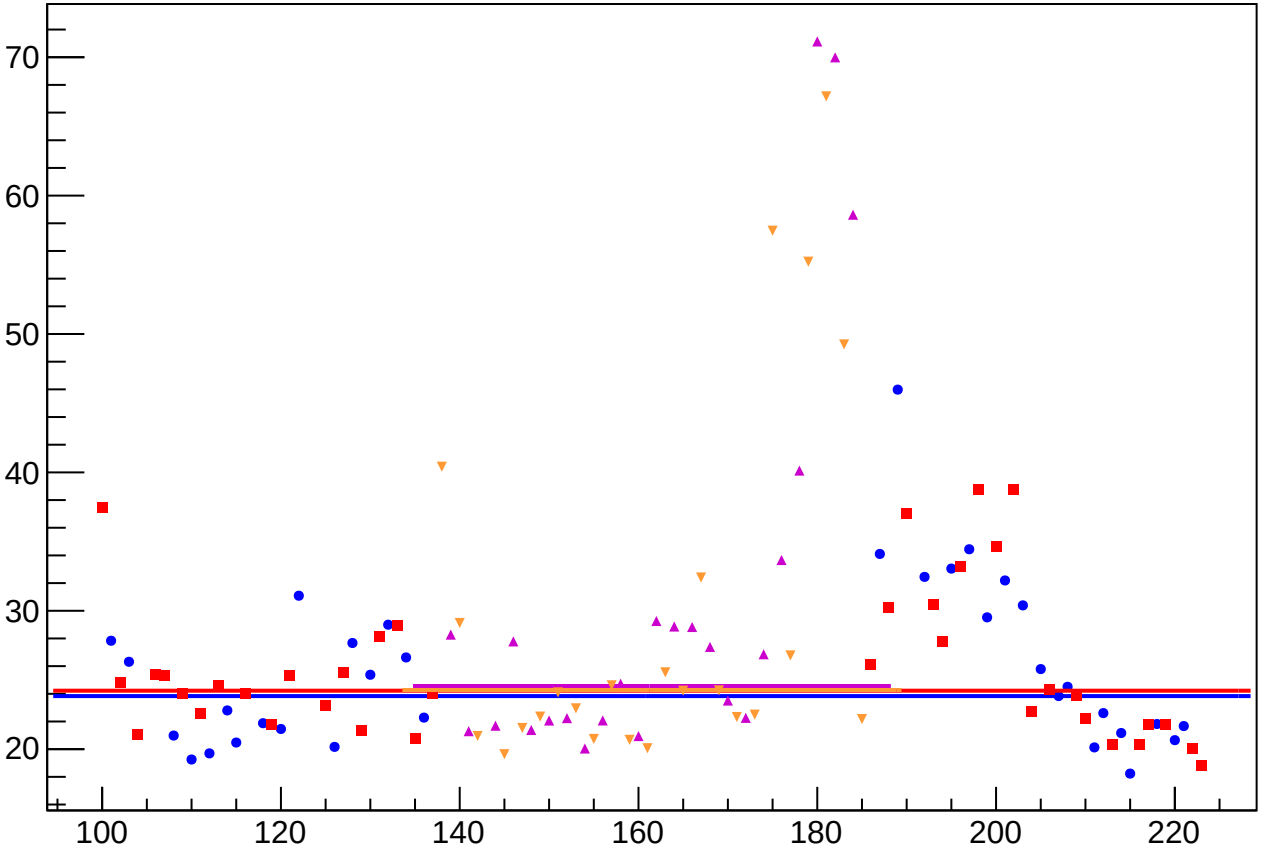
Right: -0.001+/-0.004 χ^2/NDF: 54.0/70

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.001+/-0.004 χ^2/NDF:43.6/60

All: 0.000+/-0.003 χ^2/NDF: 105.7/117

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

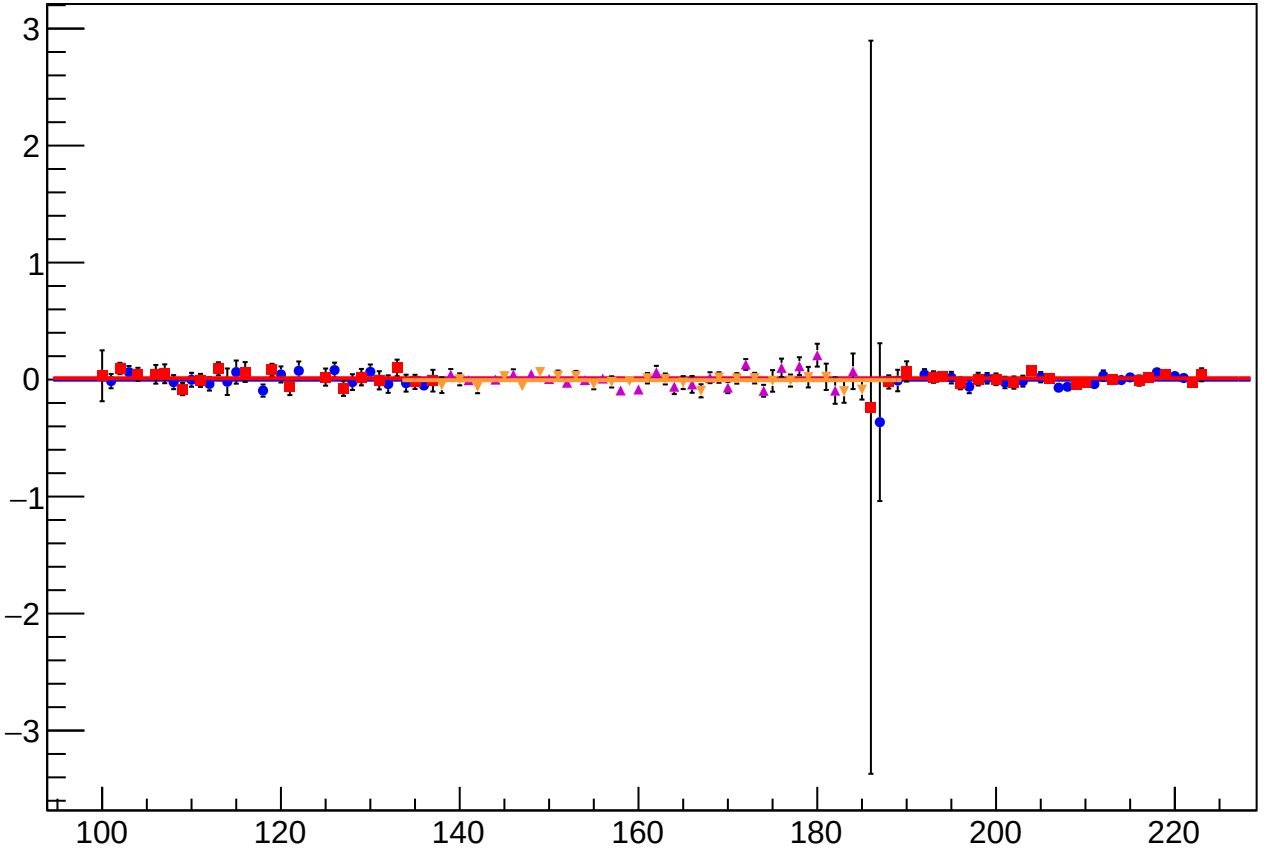
Right: 24.030+/-0.003 χ^2/NDF: 2820138.8/70

In: 24.143+/-0.003 χ^2/NDF:3573043.8/56

Out: 24.247+/-0.003 χ^2/NDF:3700714.2/60

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

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

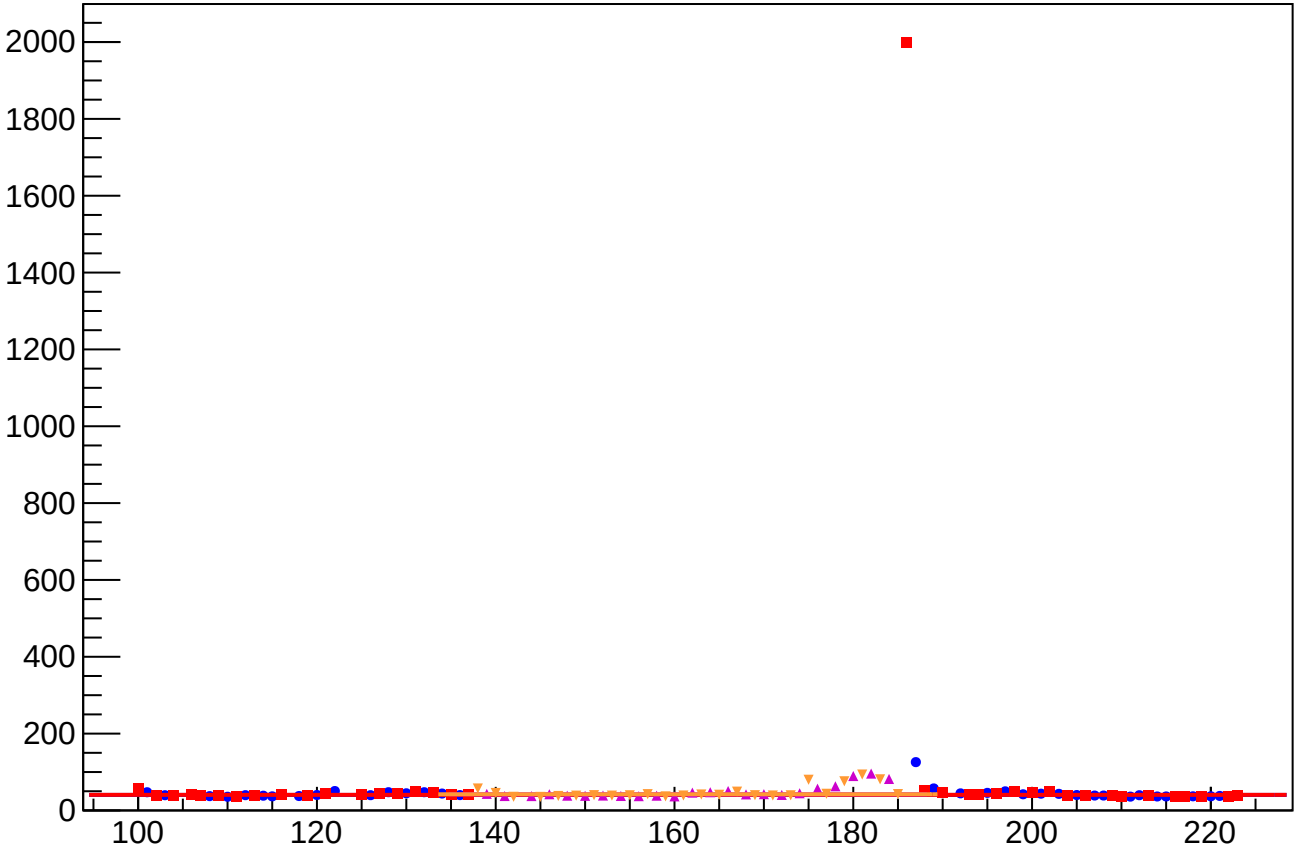
Right: 0.005+/-0.006 χ^2/NDF: 50.4/70

In: -0.000+/-0.007 χ^2/NDF:62.3/56

Out: 0.004+/-0.007 χ^2/NDF:40.5/60

All: 0.002+/-0.005 χ^2/NDF: 103.0/117

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

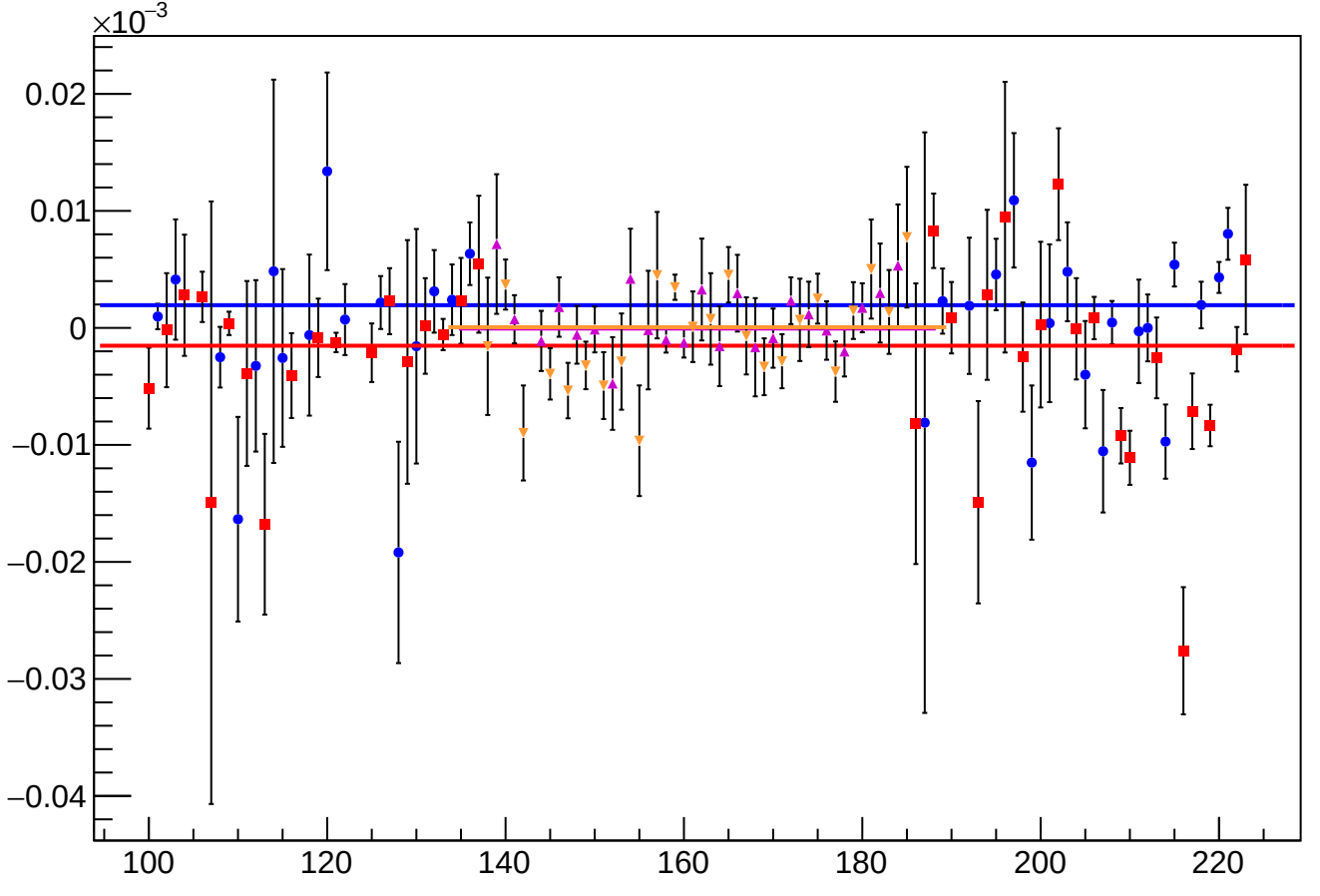
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 40.500+/-0.004 χ^2/NDF: 1689709.7/70

In: 41.087+/-0.005 χ^2/NDF:2043065.7/56

Out: 41.246+/-0.005 χ^2/NDF:2959317.0/60

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



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

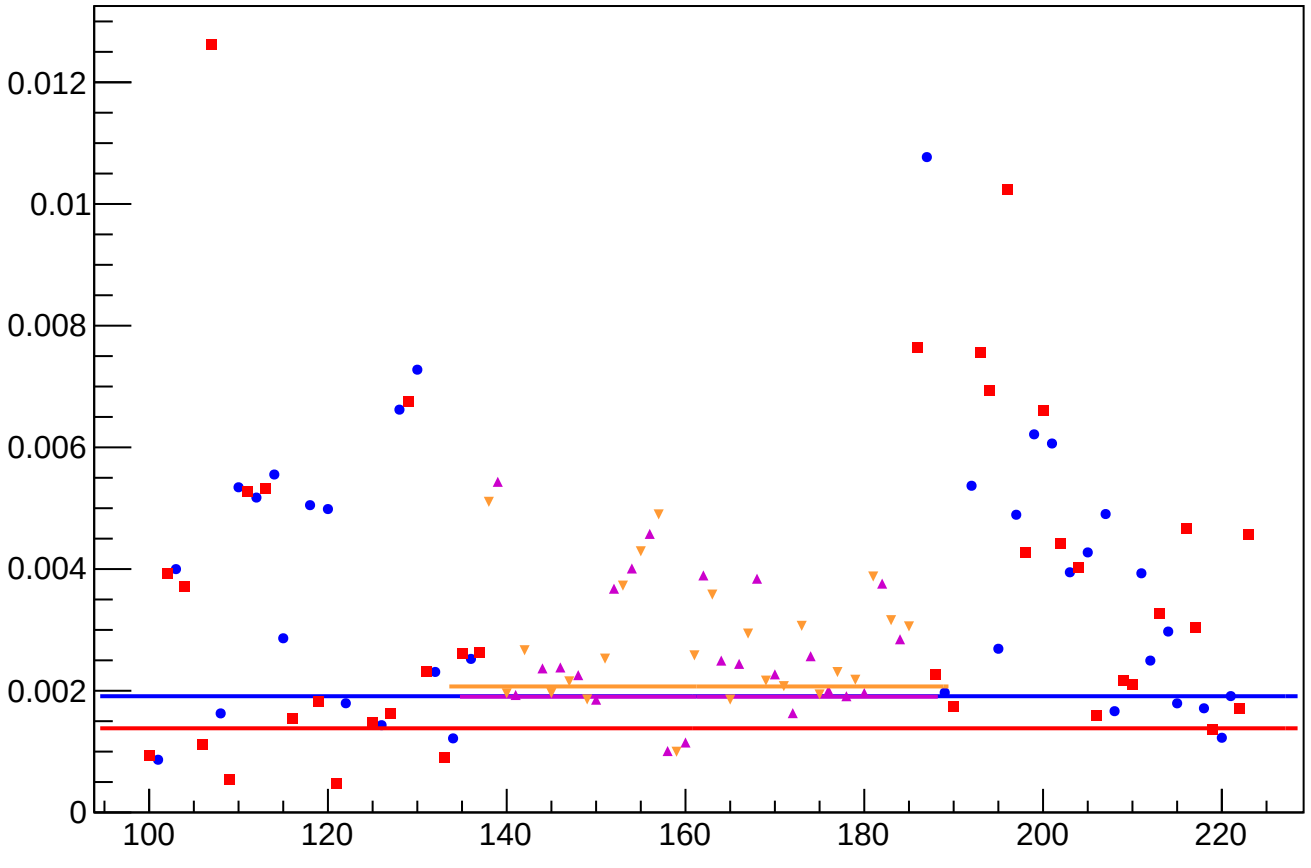
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 206.8/70

In: 0.000+/-0.000 χ^2/NDF:85.0/56

Out: -0.000+/-0.000 χ^2/NDF:171.0/60

All: -0.000+/-0.000 χ^2/NDF: 271.5/117



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

Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

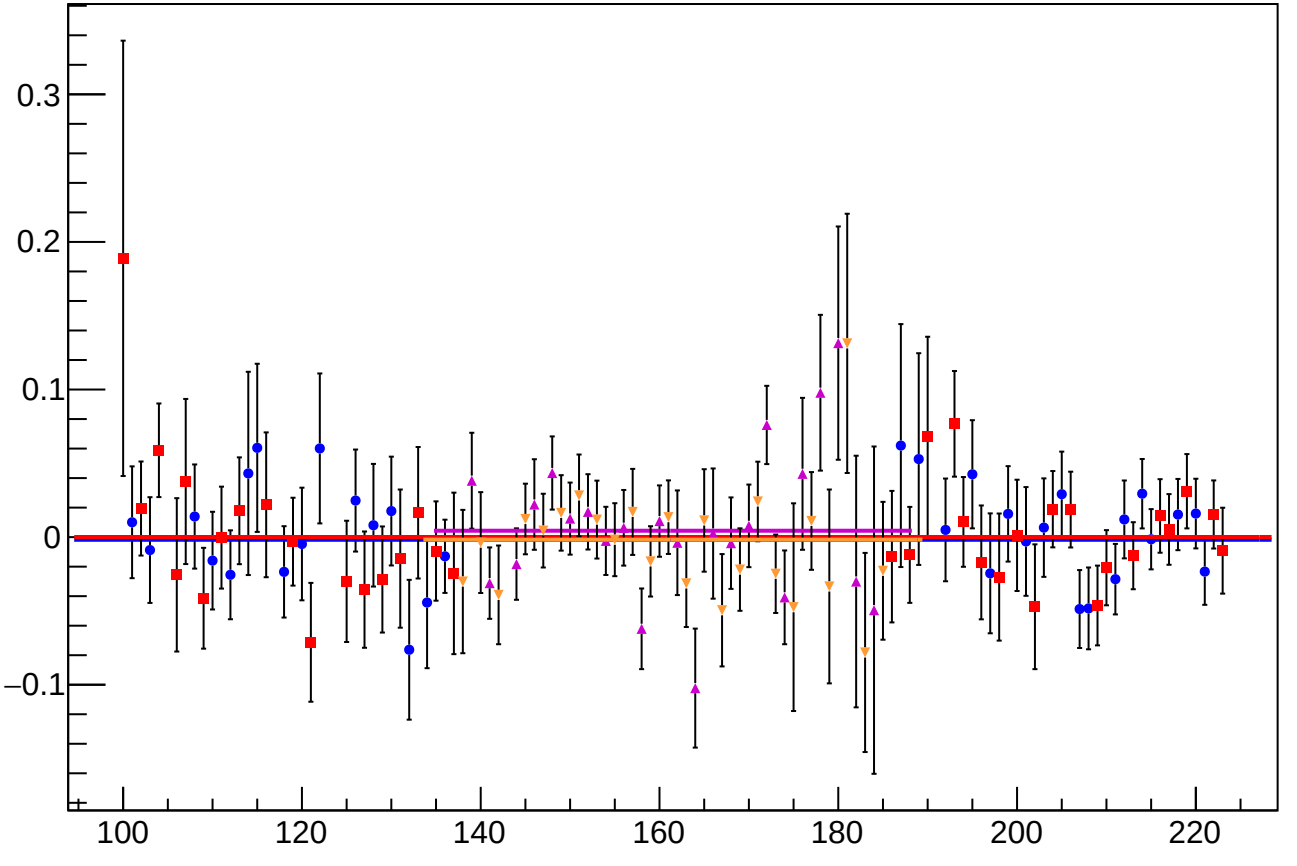
Right: 0.002+/-0.000 χ^2/NDF: 30521091.7/70

In: 0.002+/-0.000 χ^2/NDF:17267343.4/56

Out: 0.002+/-0.000 χ^2/NDF:25232600.6/60

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

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

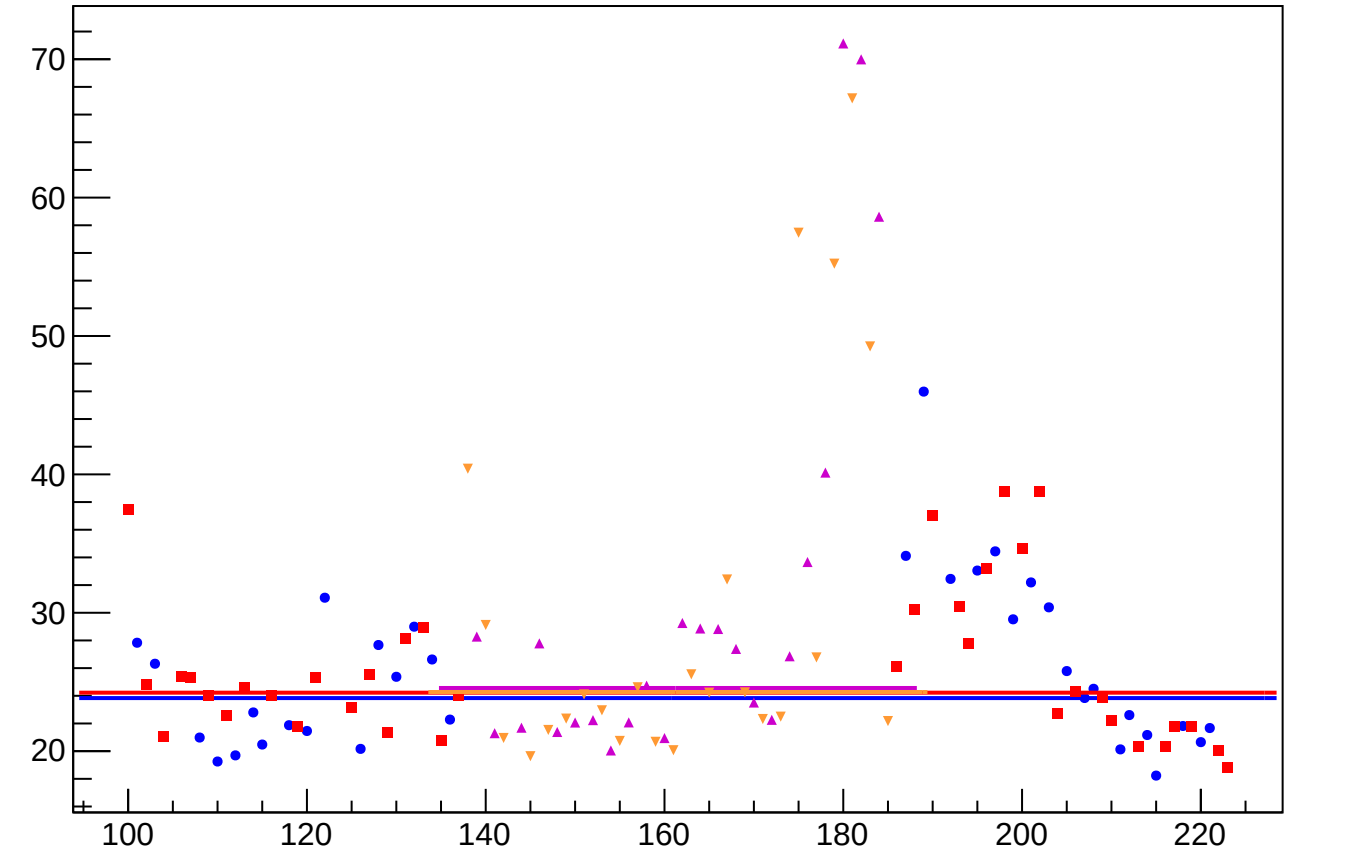
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.004 χ^2/NDF: 54.0/70

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.001+/-0.004 χ^2/NDF:43.6/60

All: 0.000+/-0.003 χ^2/NDF: 105.7/117



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

Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

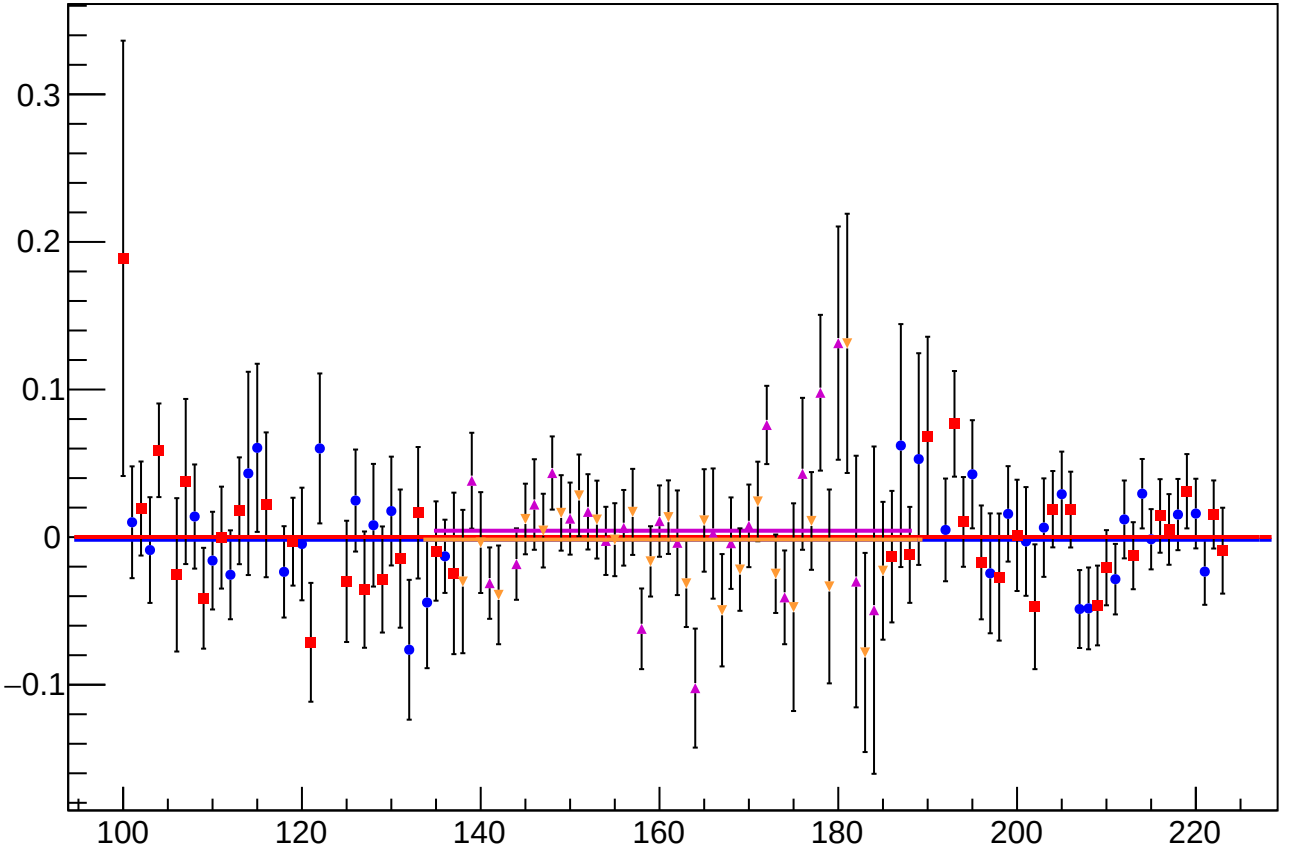
Right: 24.030+/-0.003 χ^2/NDF: 2820050.3/70

In: 24.143+/-0.003 χ^2/NDF:3572885.7/56

Out: 24.247+/-0.003 χ^2/NDF:3700665.1/60

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

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

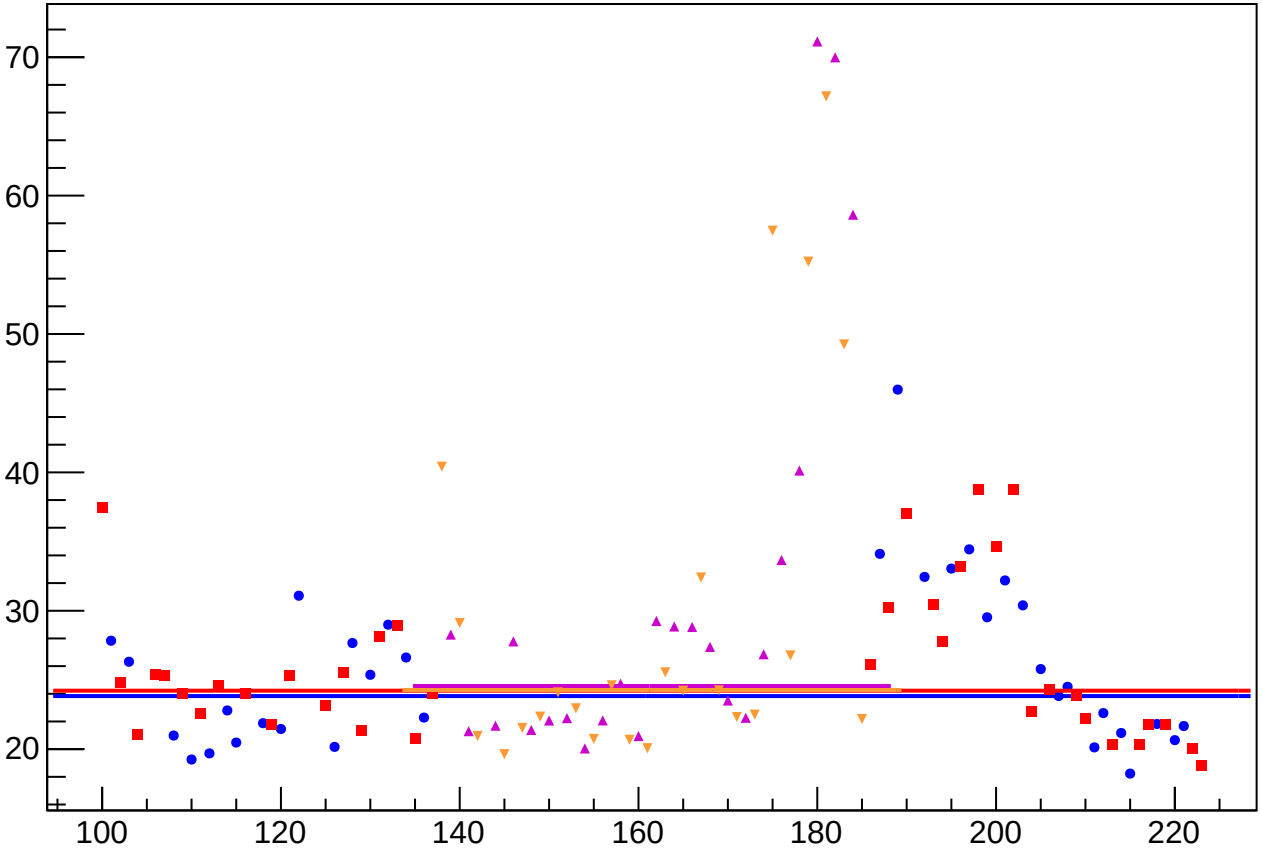
Right: -0.001+/-0.004 χ^2/NDF: 54.0/70

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.001+/-0.004 χ^2/NDF:43.6/60

All: 0.000+/-0.003 χ^2/NDF: 105.7/117

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

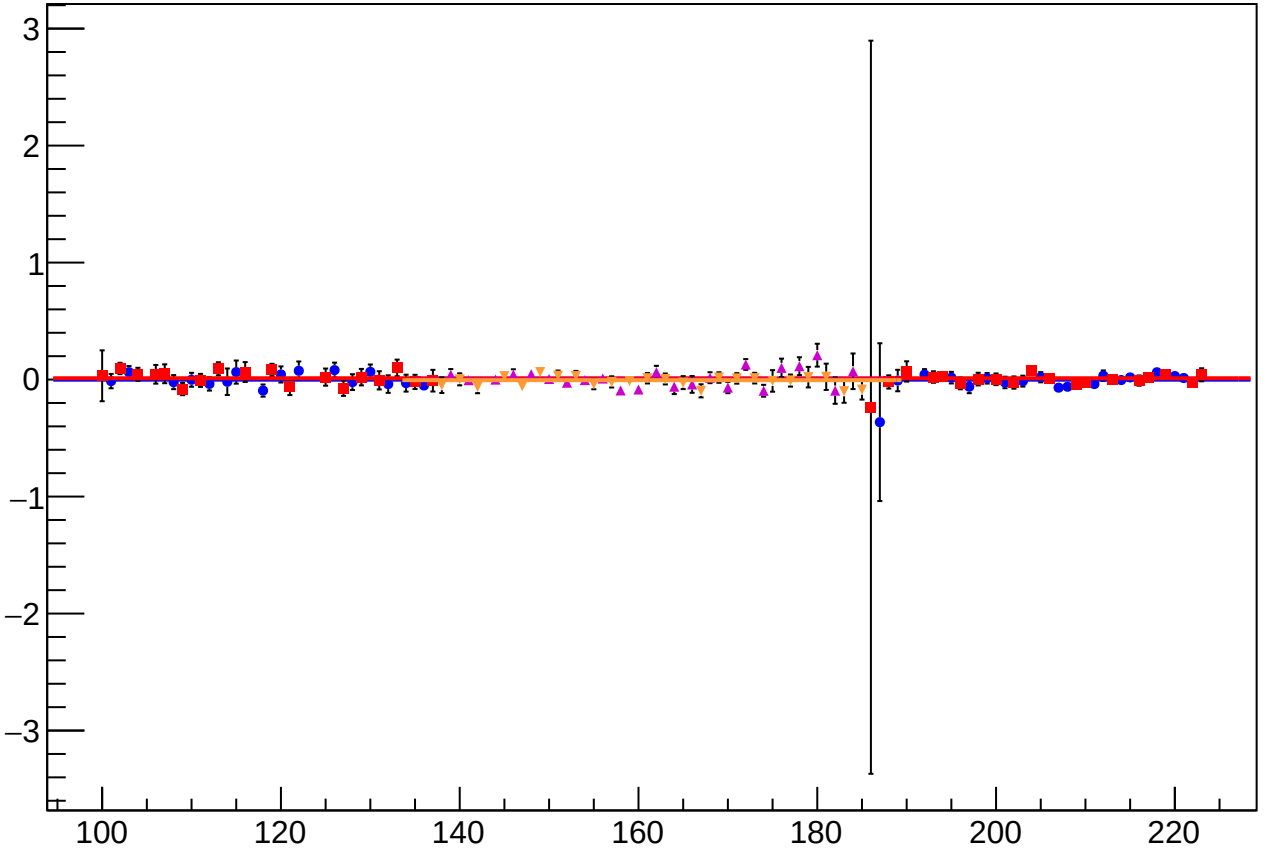
Right: 24.030+/-0.003 χ^2/NDF: 2820050.3/70

In: 24.143+/-0.003 χ^2/NDF:3572885.7/56

Out: 24.247+/-0.003 χ^2/NDF:3700665.1/60

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

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

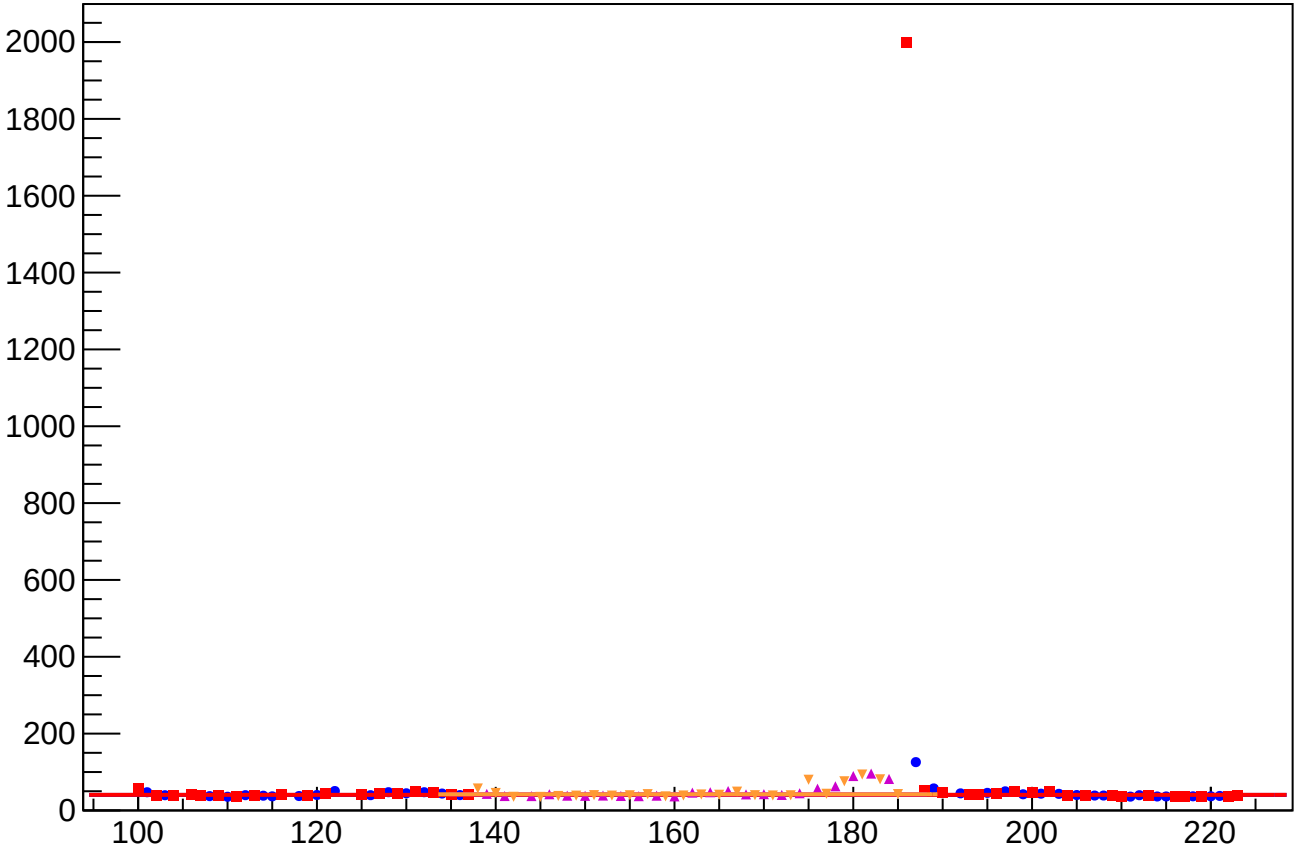
Right: 0.005+/-0.006 χ^2/NDF: 50.4/70

In: -0.000+/-0.007 χ^2/NDF:62.3/56

Out: 0.004+/-0.007 χ^2/NDF:40.5/60

All: 0.002+/-0.005 χ^2/NDF: 103.0/117

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

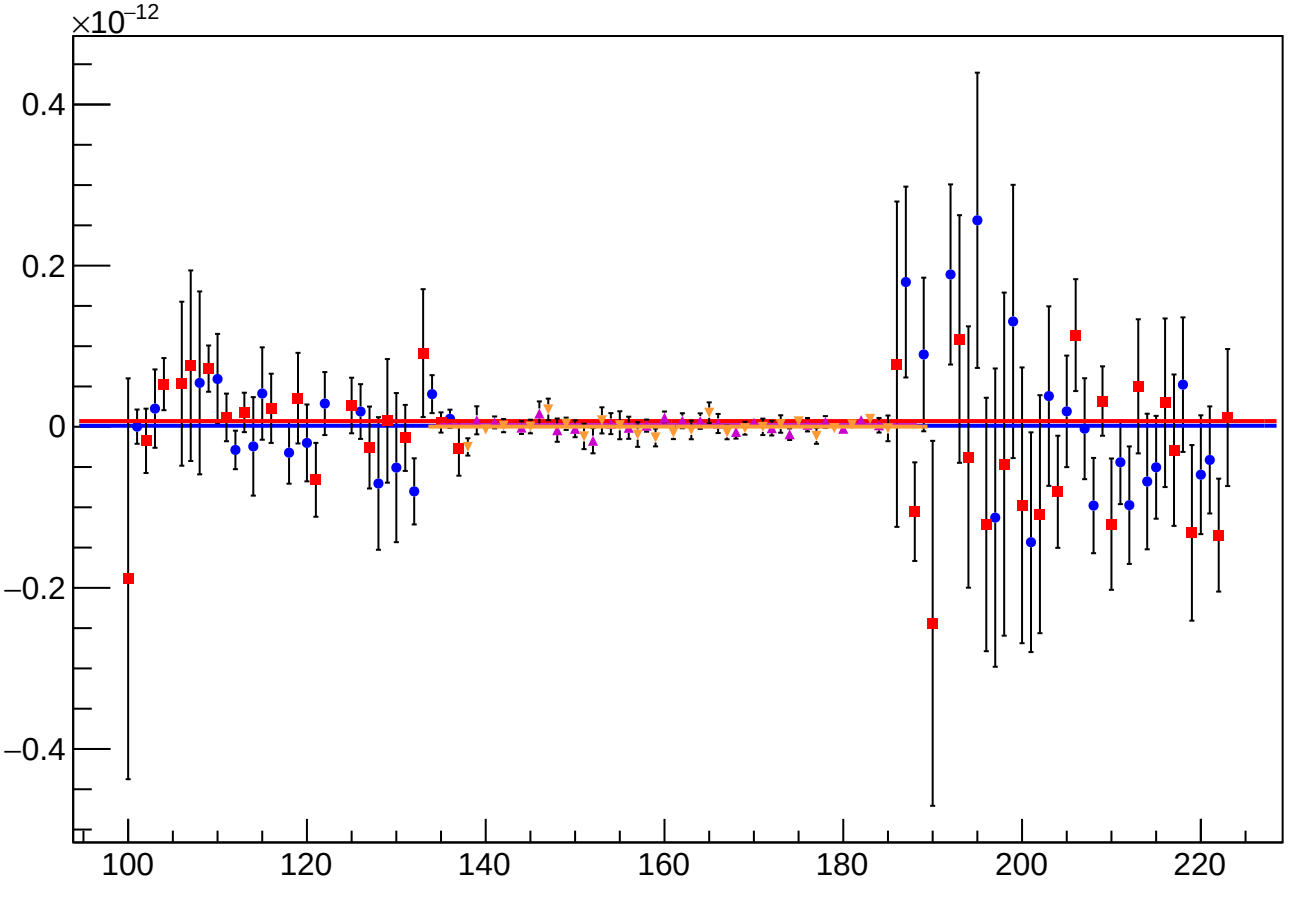
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 40.500+/-0.004 χ^2/NDF: 1689658.8/70

In: 41.087+/-0.005 χ^2/NDF:2042987.2/56

Out: 41.246+/-0.005 χ^2/NDF:2959316.8/60

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



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

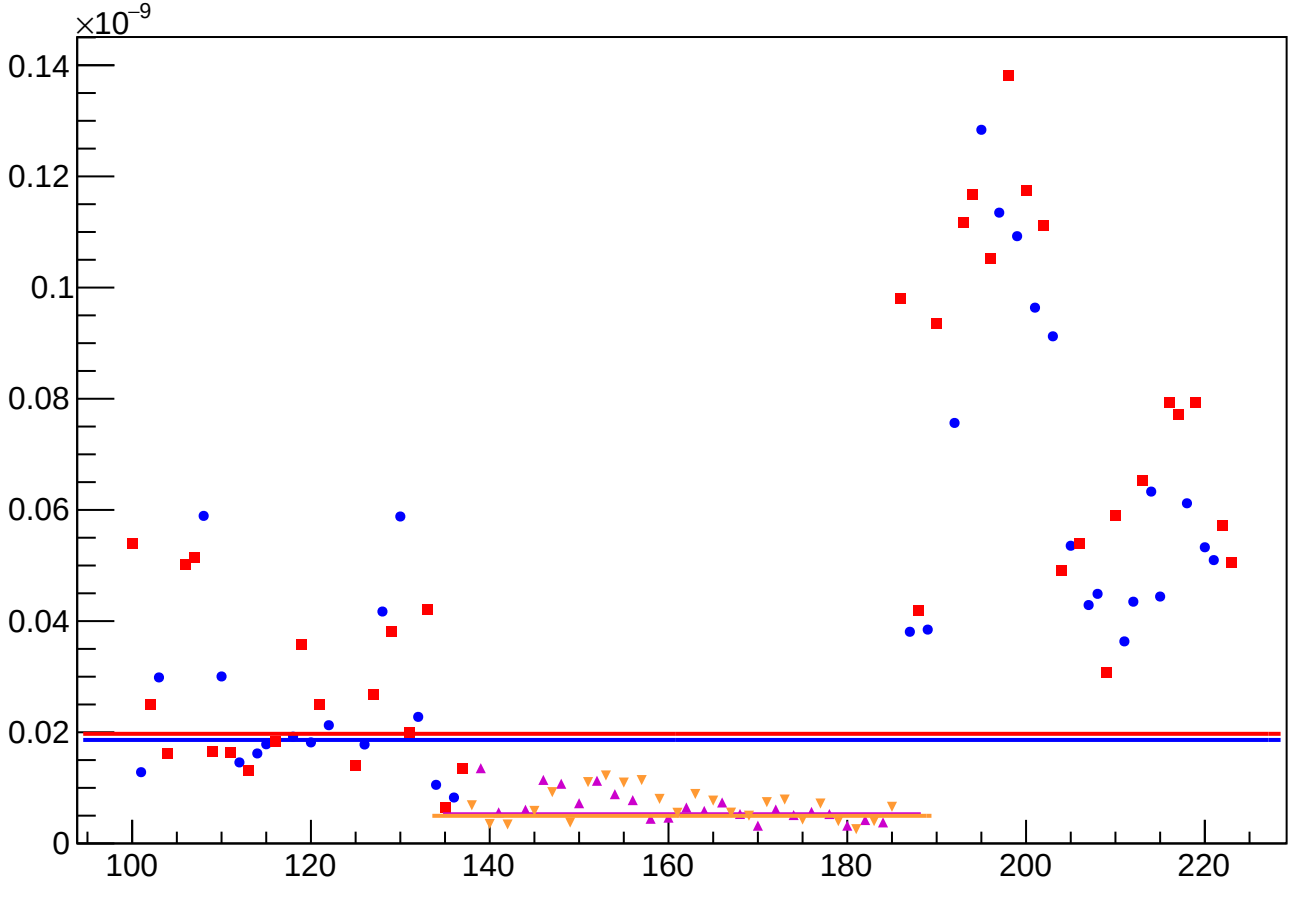
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 67.3/70

In: 0.000+/-0.000 χ^2/NDF:43.9/56

Out: 0.000+/-0.000 χ^2/NDF:56.9/60

All: 0.000+/-0.000 χ^2/NDF: 101.1/117



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

Left: 0.000+/-0.000 χ^2/NDF: 6182698.7/46

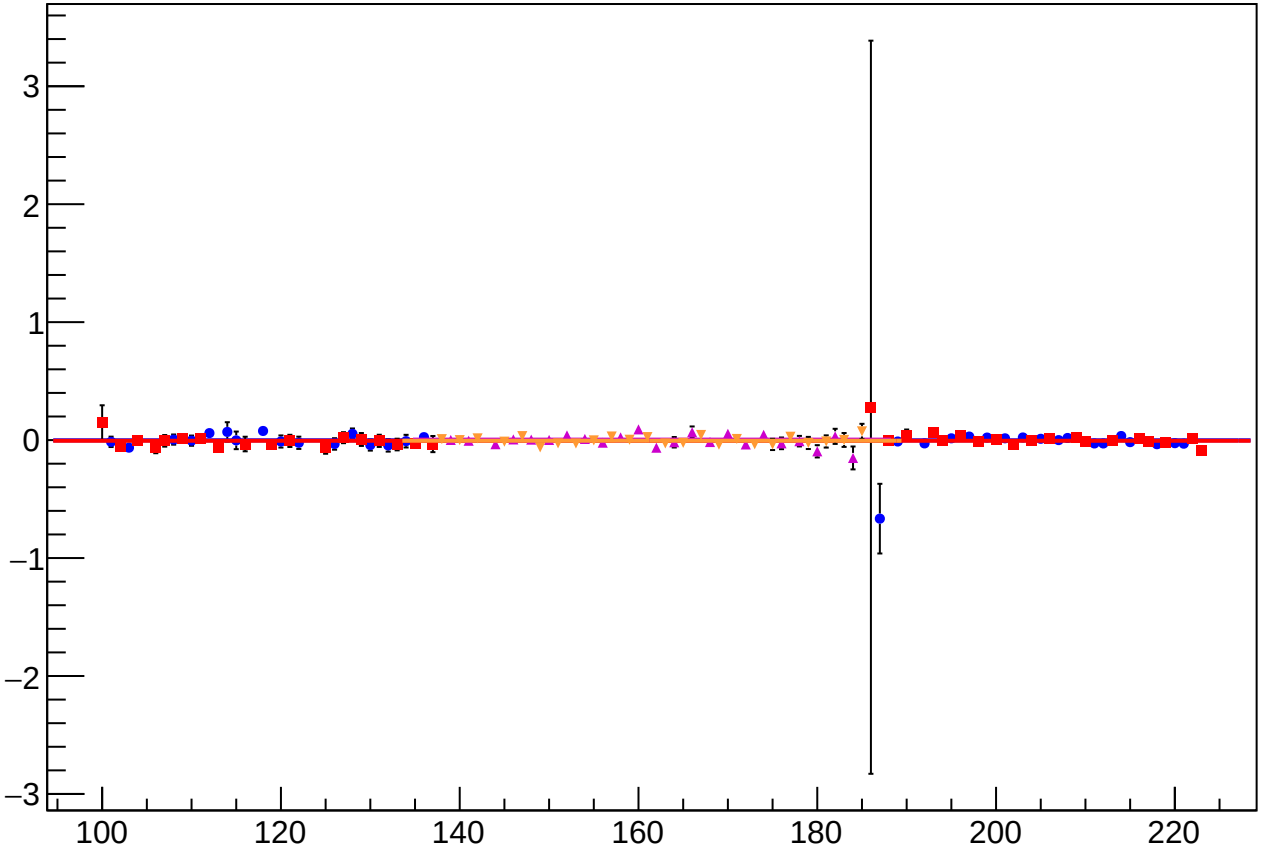
Right: 0.000+/-0.000 χ^2/NDF: 24273131.3/70

In: 0.000+/-0.000 χ^2/NDF:20794107.2/56

Out: 0.000+/-0.000 χ^2/NDF:24516354.8/60

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

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

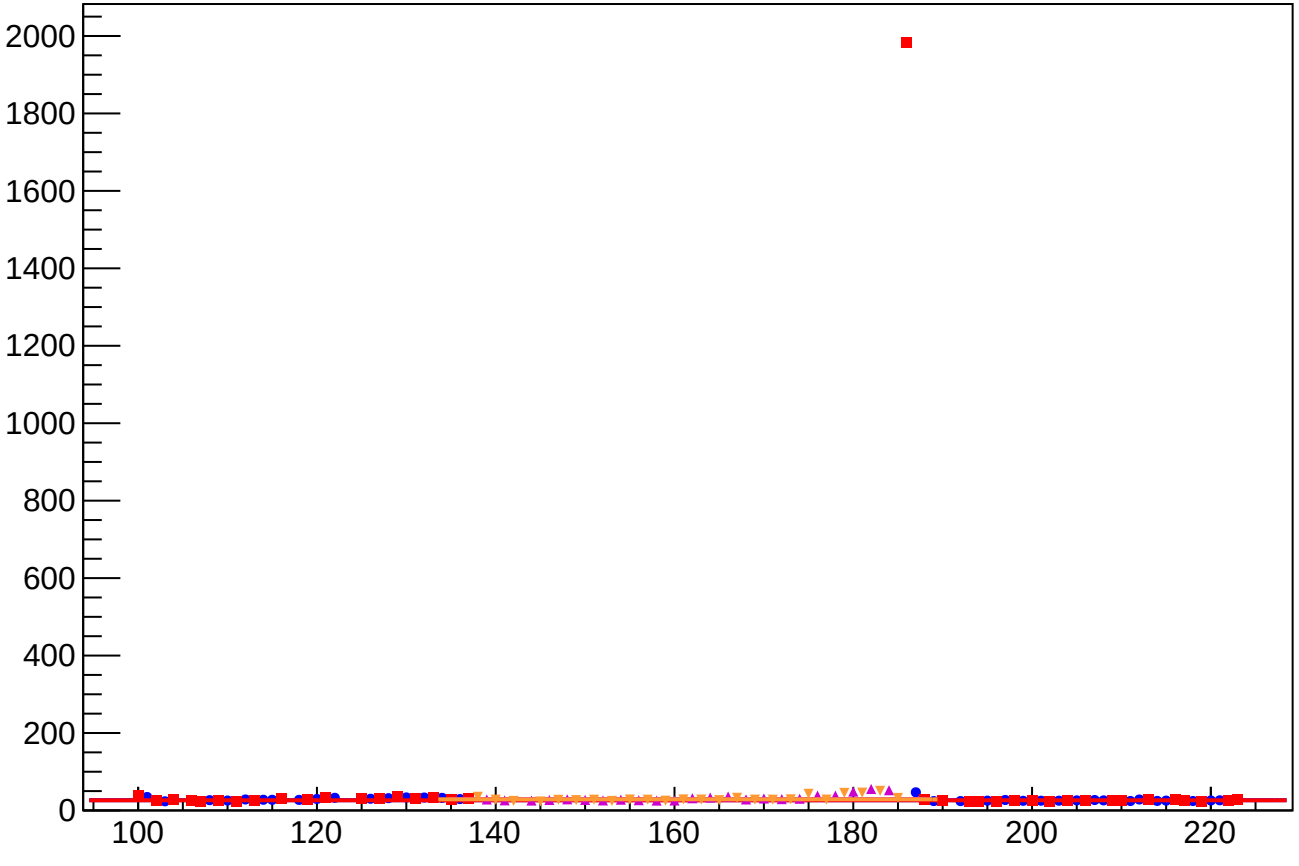
Right: -0.004+/-0.004 χ^2/NDF: 61.3/70

In: 0.001+/-0.005 χ^2/NDF:64.2/56

Out: -0.006+/-0.005 χ^2/NDF:45.3/60

All: -0.002+/-0.003 χ^2/NDF: 110.4/117

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

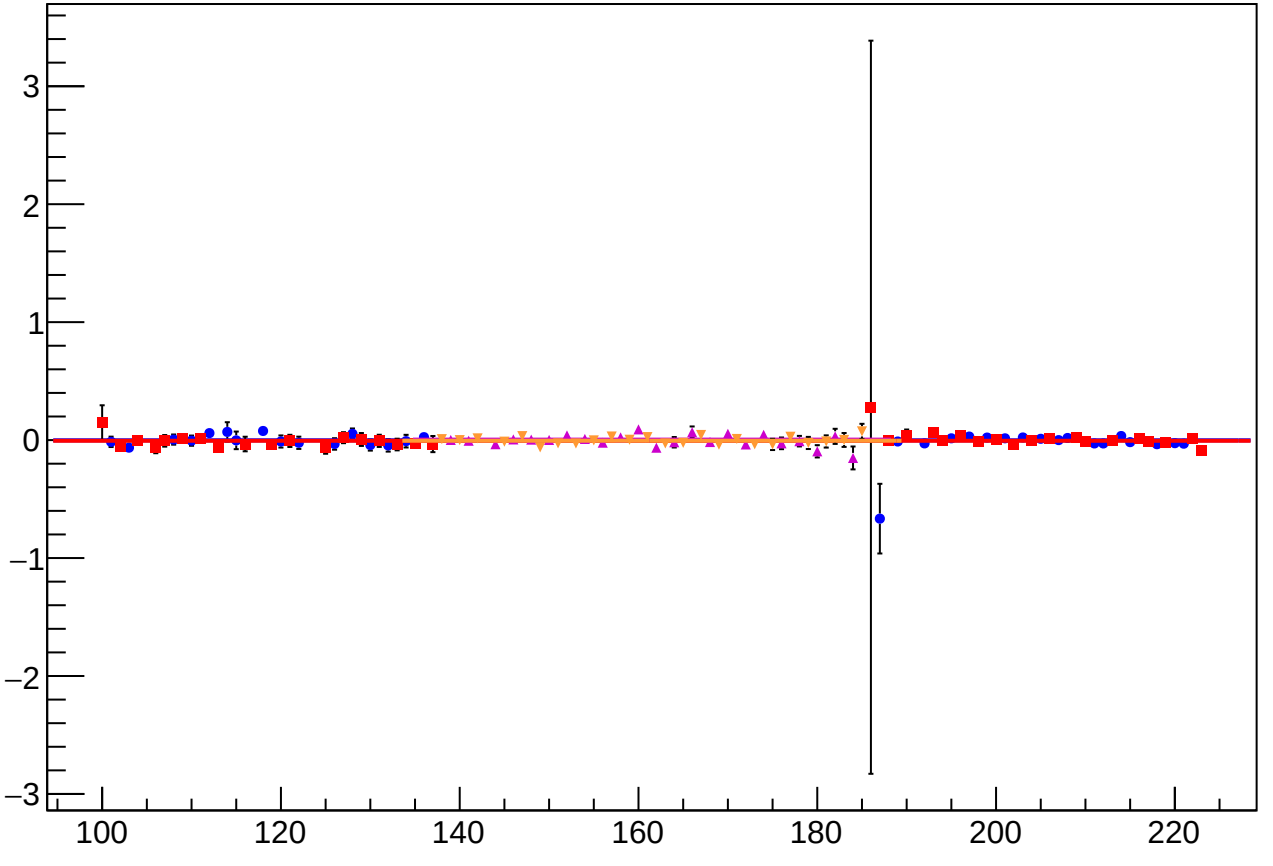
Right: 26.397+/-0.003 χ^2/NDF: 1553401.3/70

In: 27.621+/-0.003 χ^2/NDF:1697247.2/56

Out: 27.295+/-0.003 χ^2/NDF:2488161.7/60

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

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

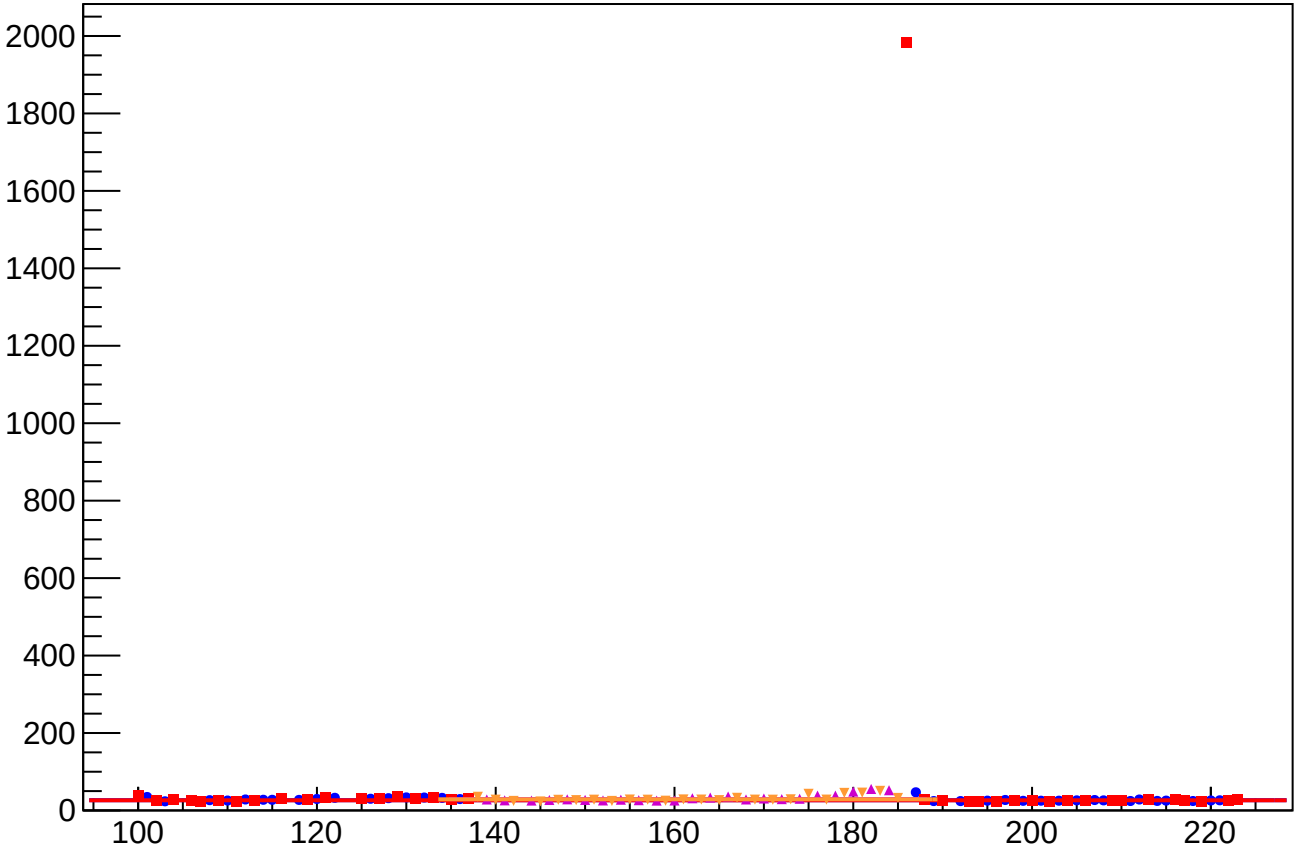
Right: -0.004+/-0.004 χ^2/NDF: 61.3/70

In: 0.001+/-0.005 χ^2/NDF:64.2/56

Out: -0.006+/-0.005 χ^2/NDF:45.3/60

All: -0.002+/-0.003 χ^2/NDF: 110.4/117

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

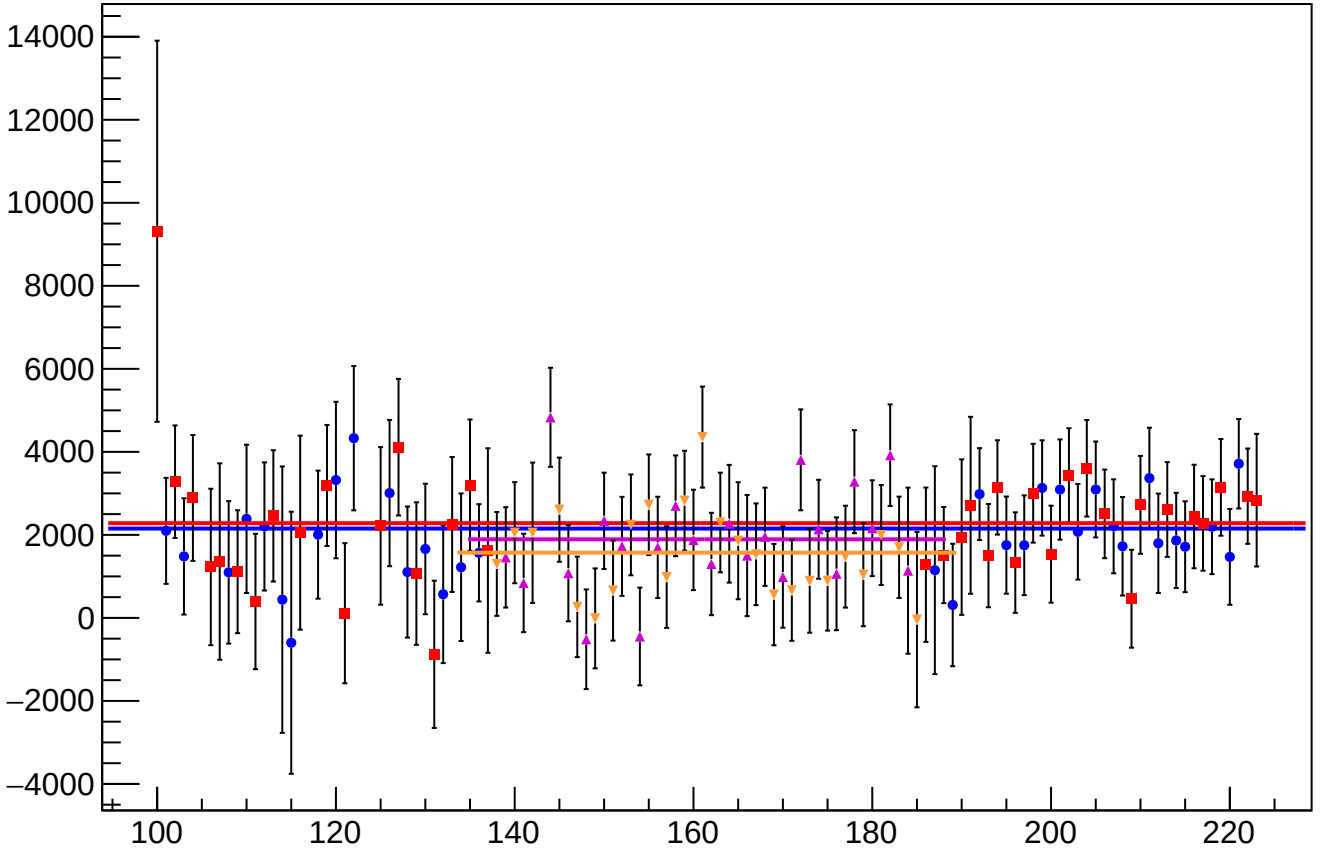
Right: 26.397+/-0.003 χ^2/NDF: 1553401.3/70

In: 27.621+/-0.003 χ^2/NDF:1697247.2/56

Out: 27.295+/-0.003 χ^2/NDF:2488161.7/60

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

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

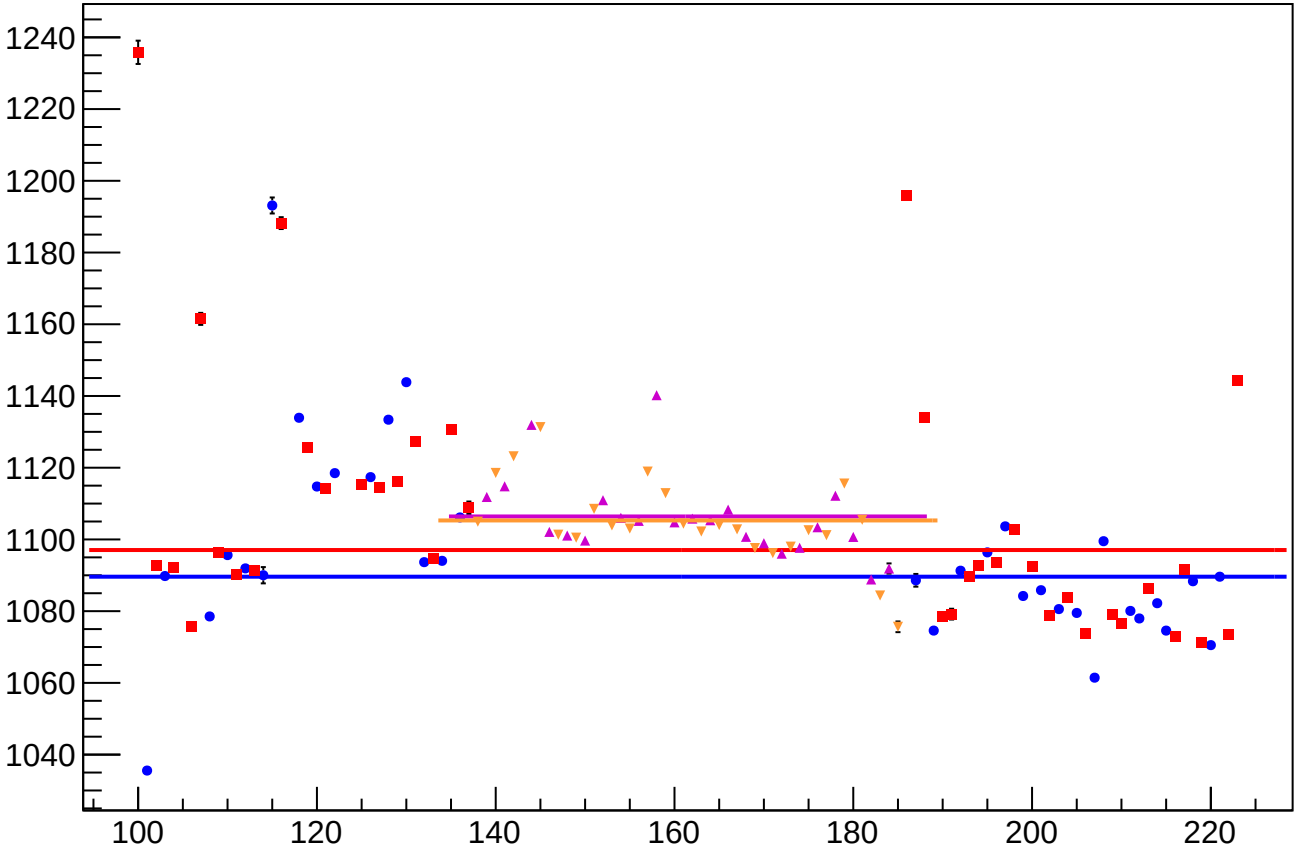
Right: 2217.578+/-163.181 χ^2/NDF: 36.4/71

In: 2036.756+/-172.530 χ^2/NDF:38.9/56

Out: 1965.441+/-171.151 χ^2/NDF:41.6/61

All: 2000.813+/-121.507 χ^2/NDF: 80.6/118

reg_asym_usl_rms vs Slug, Sign Corrected



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

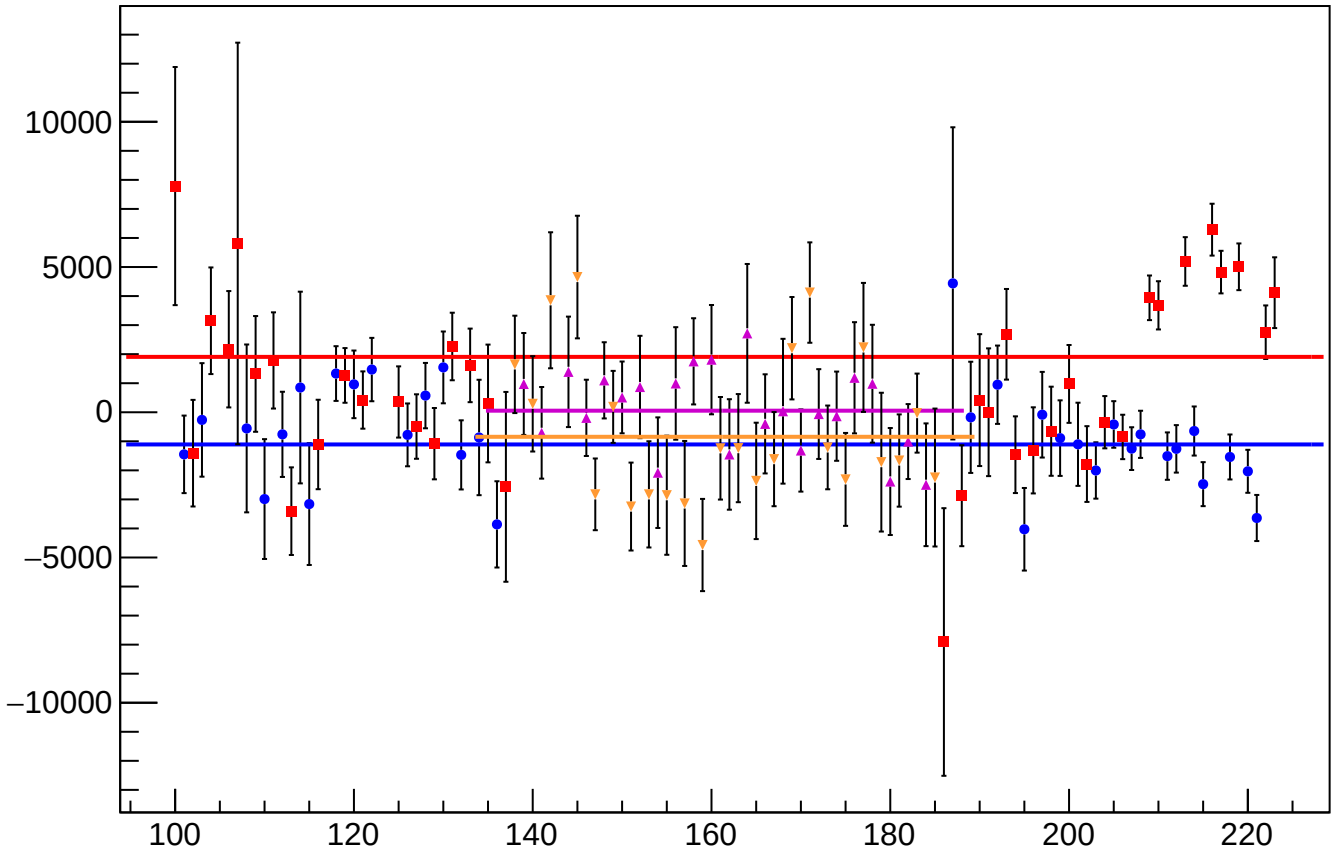
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.361+/-0.115 χ^2/NDF: 43310.3/71

In: 1097.101+/-0.122 χ^2/NDF:25291.2/56

Out: 1100.717+/-0.121 χ^2/NDF:29749.7/61

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



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

Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

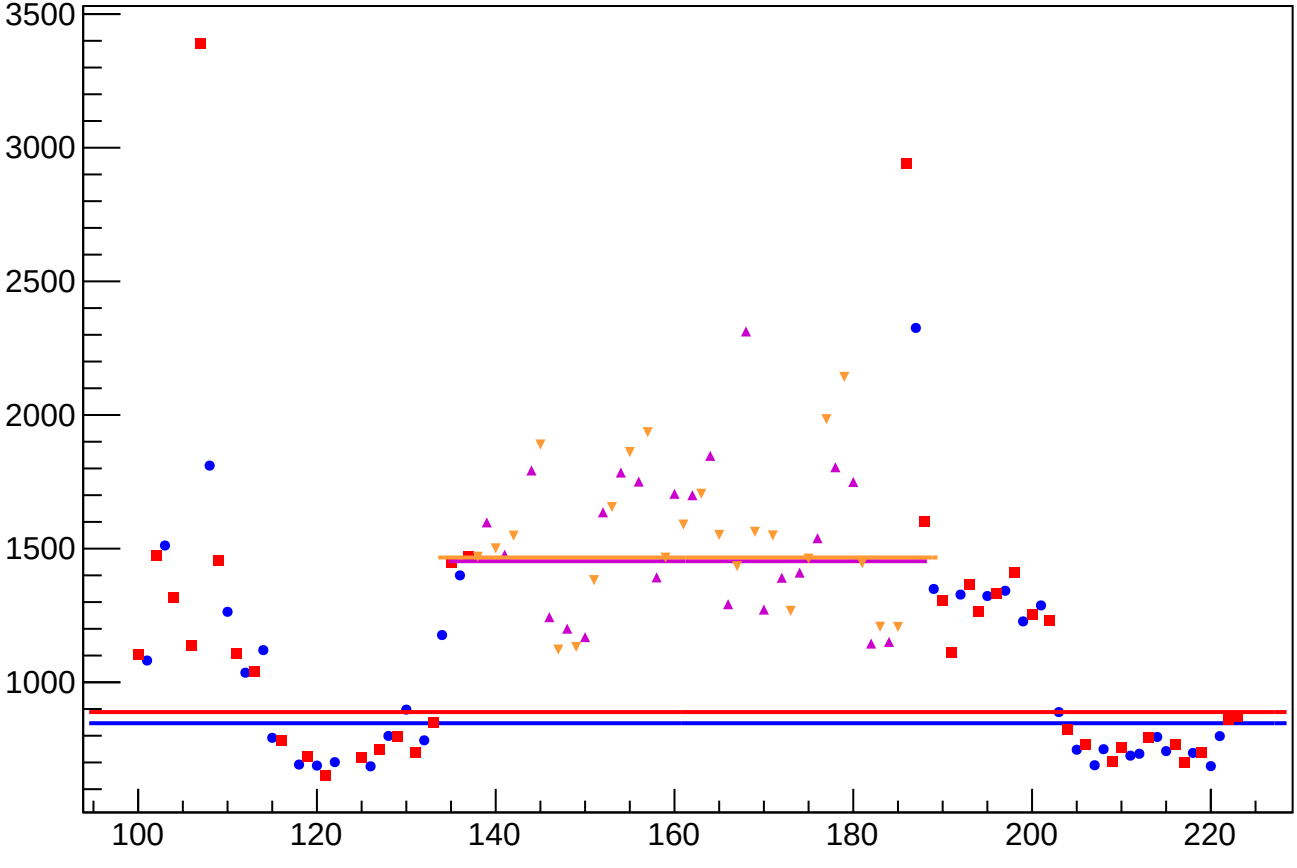
Right: 337.137+/-135.201 χ^2/NDF: 359.8/71

In: -844.373+/-164.763 χ^2/NDF:76.2/56

Out: 1245.899+/-170.217 χ^2/NDF:273.1/61

All: 166.739+/-118.387 χ^2/NDF: 427.2/118

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

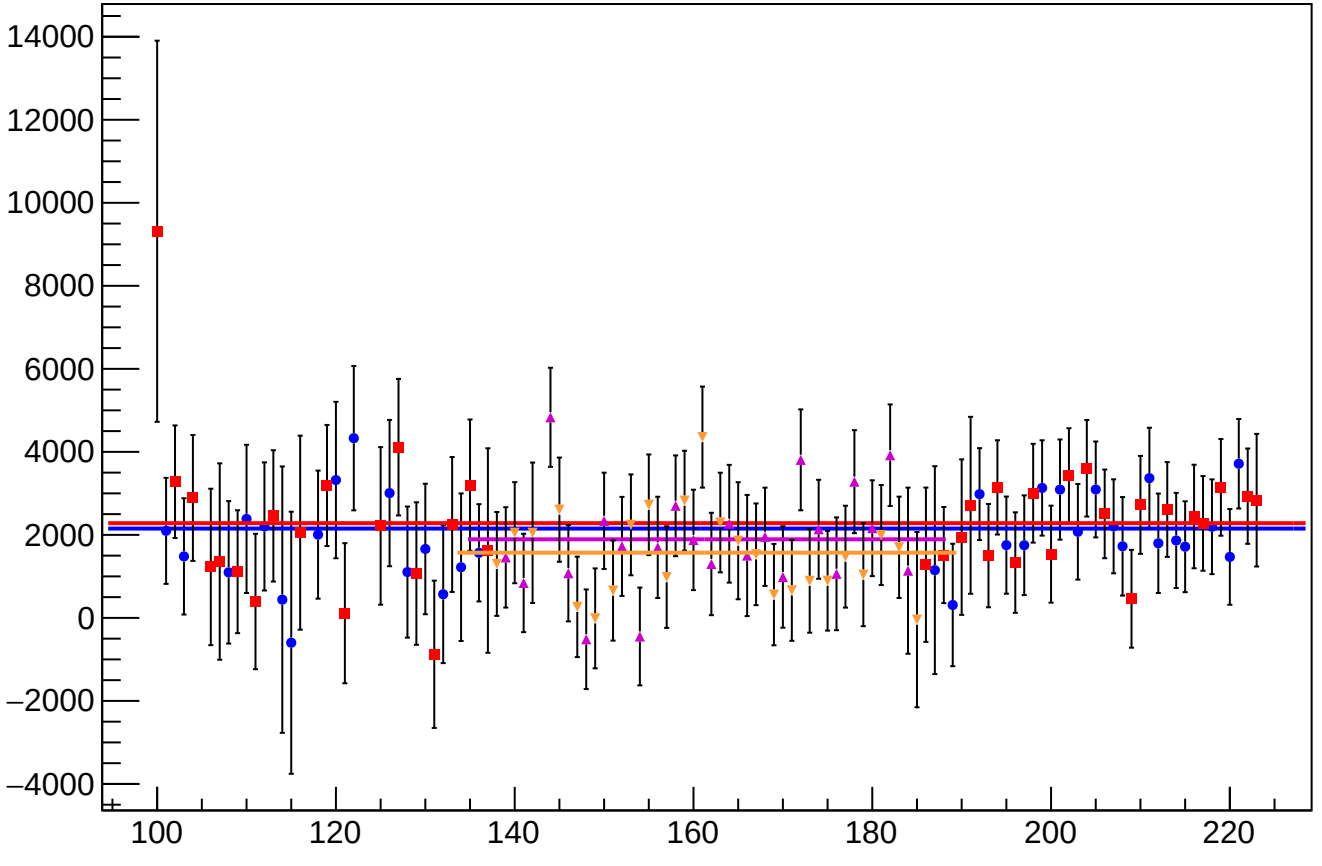
Right: 866.793+/-0.096 χ^2/NDF: 6701423.3/71

In: 984.274+/-0.117 χ^2/NDF:8820707.7/56

Out: 1027.409+/-0.120 χ^2/NDF:8966586.4/61

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

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

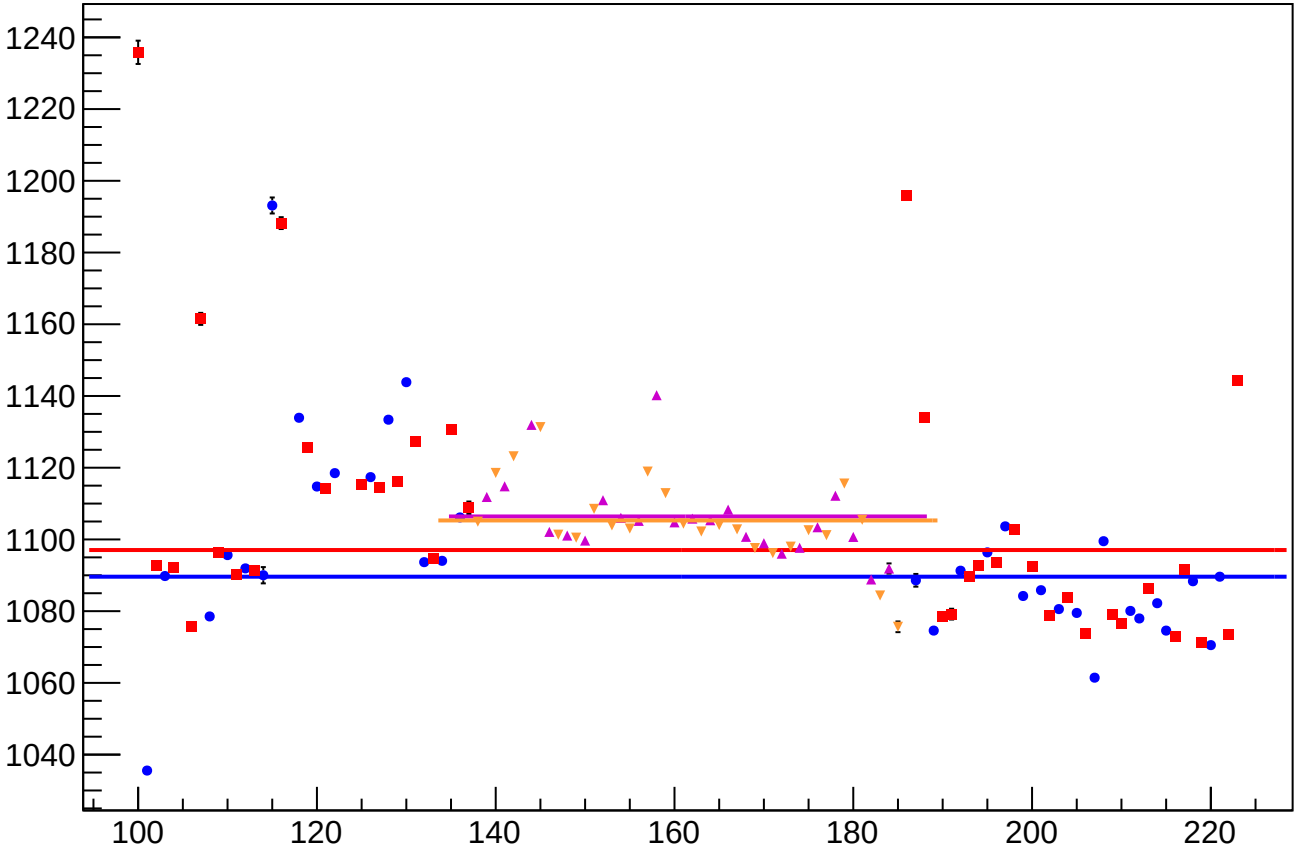
Right: 2217.575+/-163.181 χ^2/NDF: 36.4/71

In: 2036.756+/-172.530 χ^2/NDF:38.9/56

Out: 1965.438+/-171.151 χ^2/NDF:41.6/61

All: 2000.811+/-121.507 χ^2/NDF: 80.6/118

cor_asym_usl_rms vs Slug, Sign Corrected



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

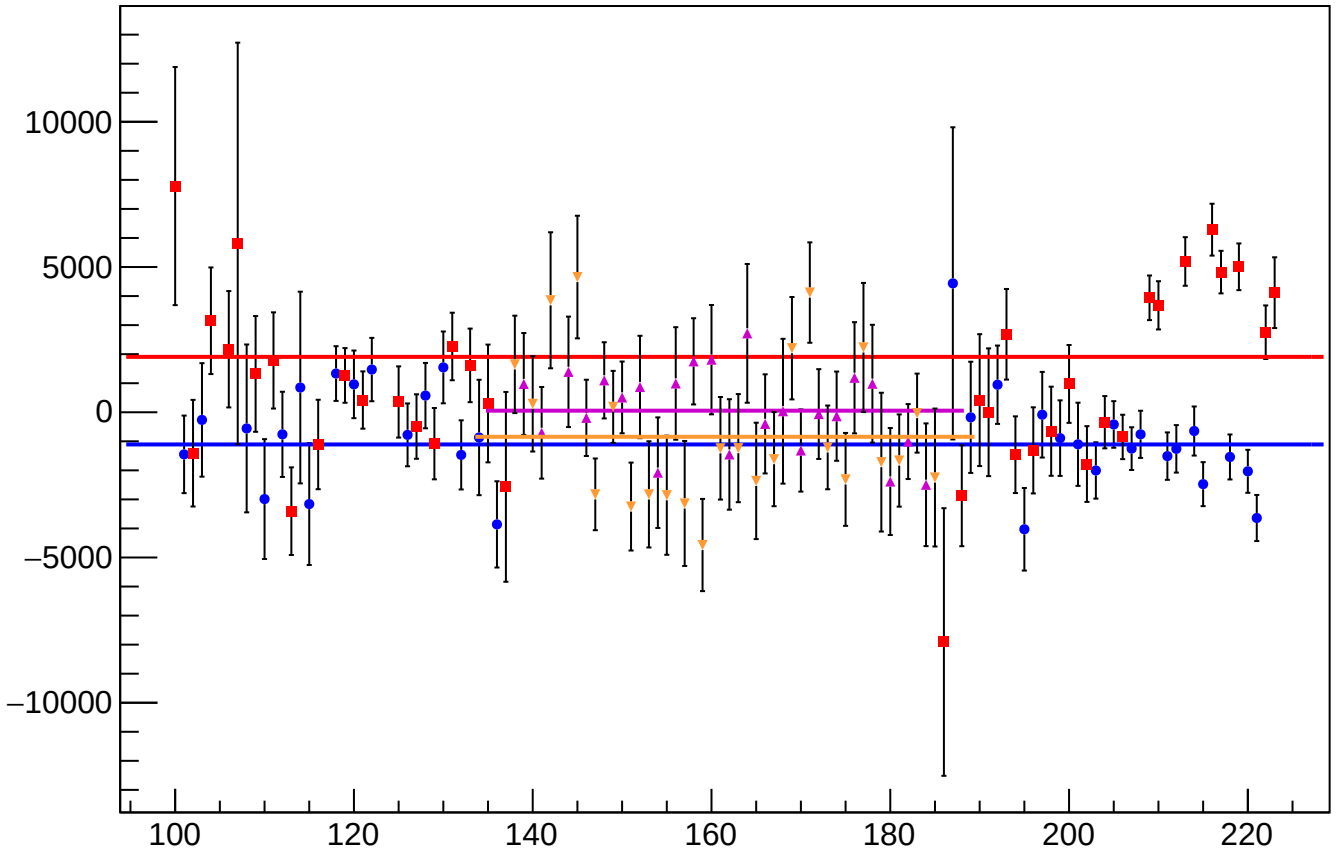
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.361+/-0.115 χ^2/NDF: 43310.3/71

In: 1097.101+/-0.122 χ^2/NDF:25291.2/56

Out: 1100.717+/-0.121 χ^2/NDF:29749.7/61

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



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

Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

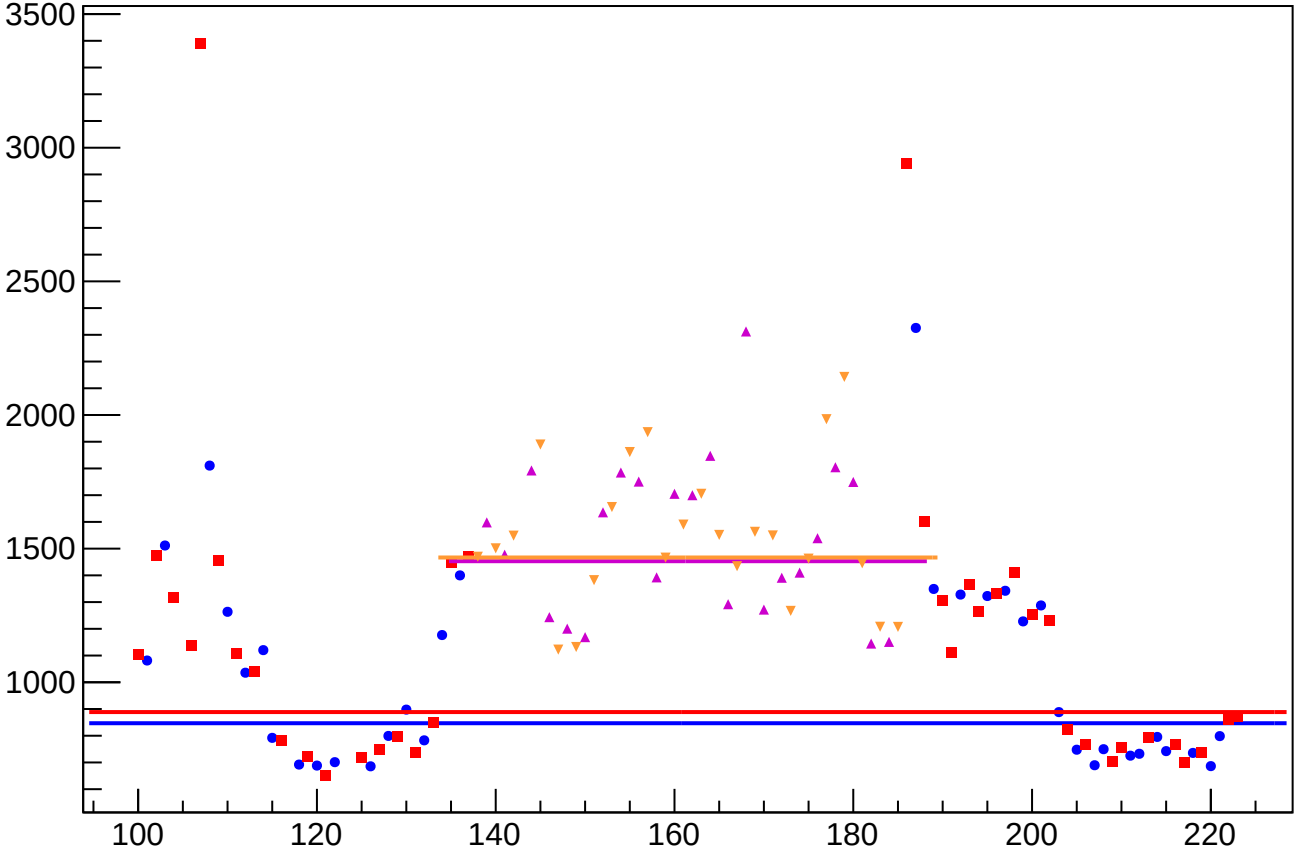
Right: 337.137+/-135.201 χ^2/NDF: 359.8/71

In: -844.373+/-164.763 χ^2/NDF:76.2/56

Out: 1245.899+/-170.217 χ^2/NDF:273.1/61

All: 166.739+/-118.387 χ^2/NDF: 427.2/118

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

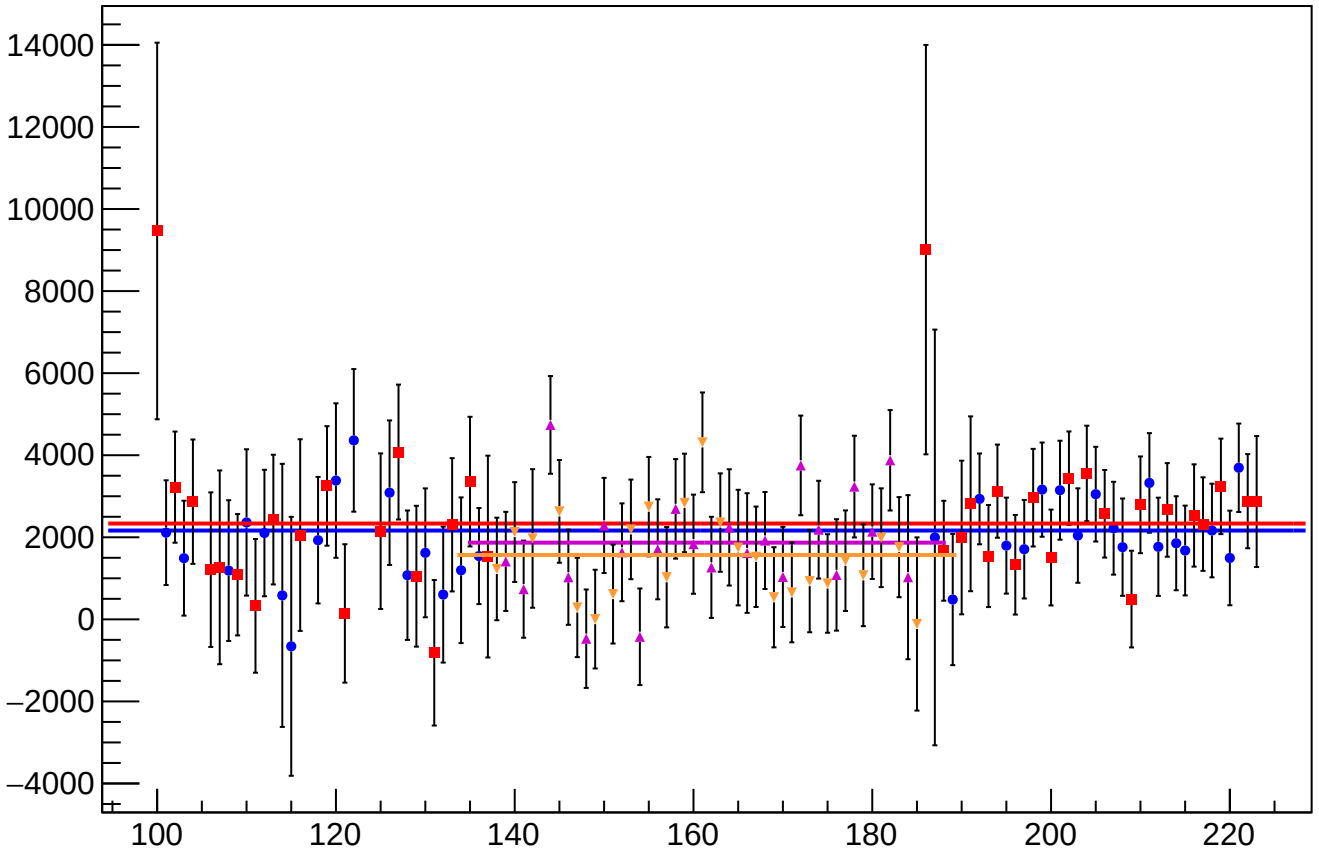
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 866.793+/-0.096 χ^2/NDF: 6701421.3/71

In: 984.274+/-0.117 χ^2/NDF:8820707.7/56

Out: 1027.409+/-0.120 χ^2/NDF:8966585.6/61

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



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

Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

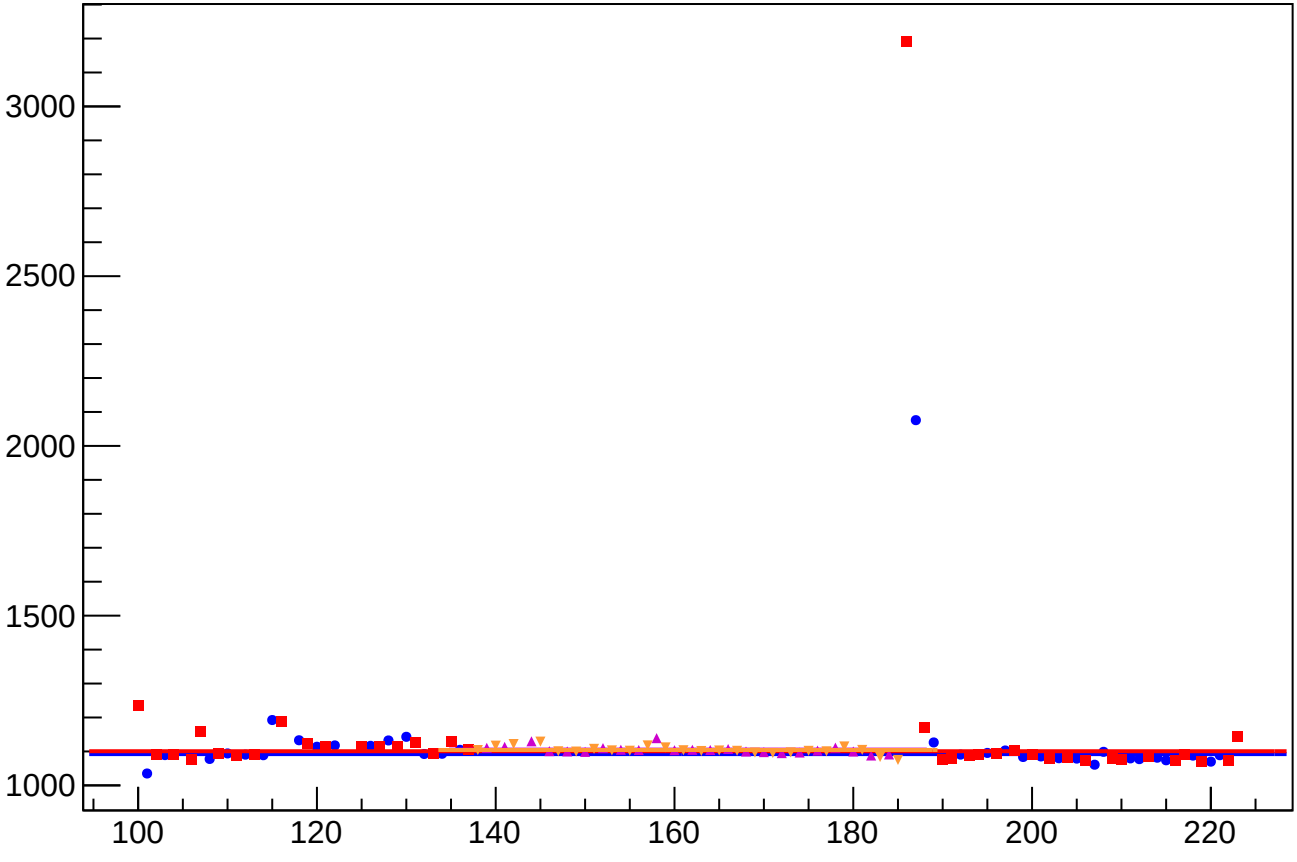
Right: 2250.203+/-164.203 χ^2/NDF: 37.4/71

In: 2032.041+/-172.884 χ^2/NDF:37.7/56

Out: 1990.596+/-171.836 χ^2/NDF:43.8/61

All: 2011.193+/-121.875 χ^2/NDF: 81.6/118

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

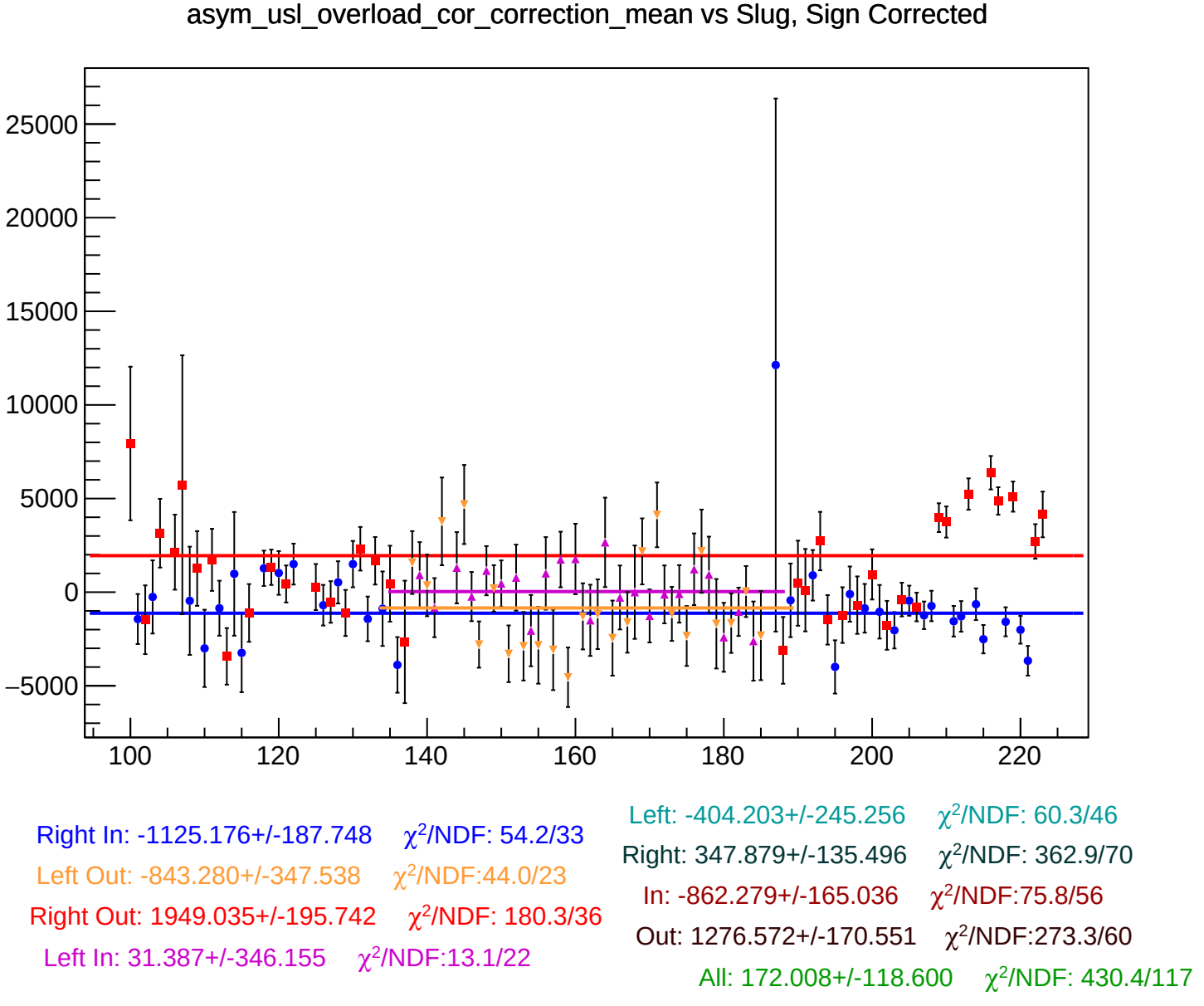
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1096.407+/-0.116 χ^2/NDF: 471319.0/71

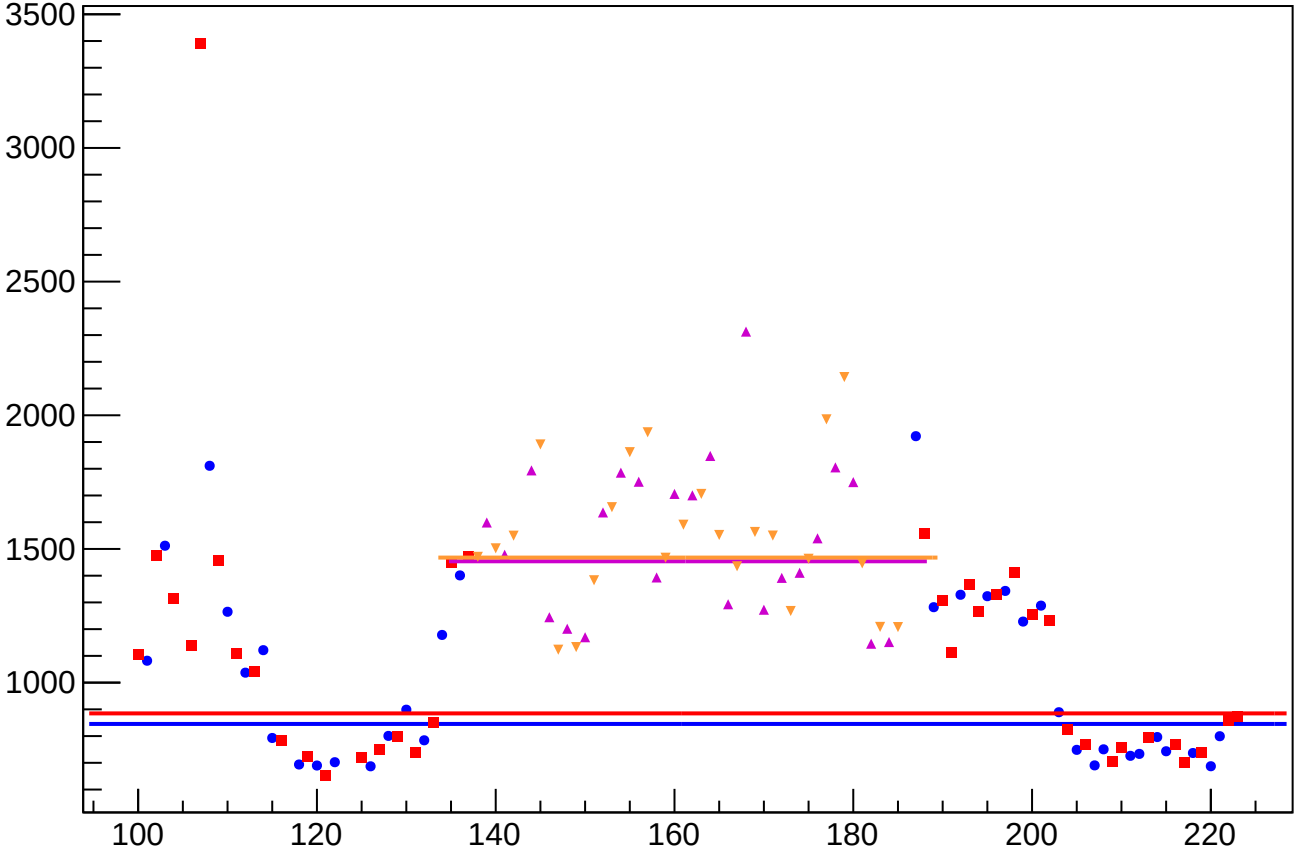
In: 1098.085+/-0.122 χ^2/NDF:99658.4/56

Out: 1102.257+/-0.122 χ^2/NDF:380109.0/61

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


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -1125.176+/-187.748 χ²/NDF: 54.2/33
Left Out: -843.280+/-347.538 χ²/NDF:44.0/23
Right Out: 1949.035+/-195.742 χ²/NDF: 180.3/36
Left In: 31.387+/-346.155 χ²/NDF:13.1/22
Left: -404.203+/-245.256 χ²/NDF: 60.3/46
Right: 347.879+/-135.496 χ²/NDF: 362.9/70
In: -862.279+/-165.036 χ²/NDF:75.8/56
Out: 1276.572+/-170.551 χ²/NDF:273.3/60
All: 172.008+/-118.600 χ²/NDF: 430.4/117

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left: 1460.738+/-0.173 χ^2/NDF: 2171472.5/46

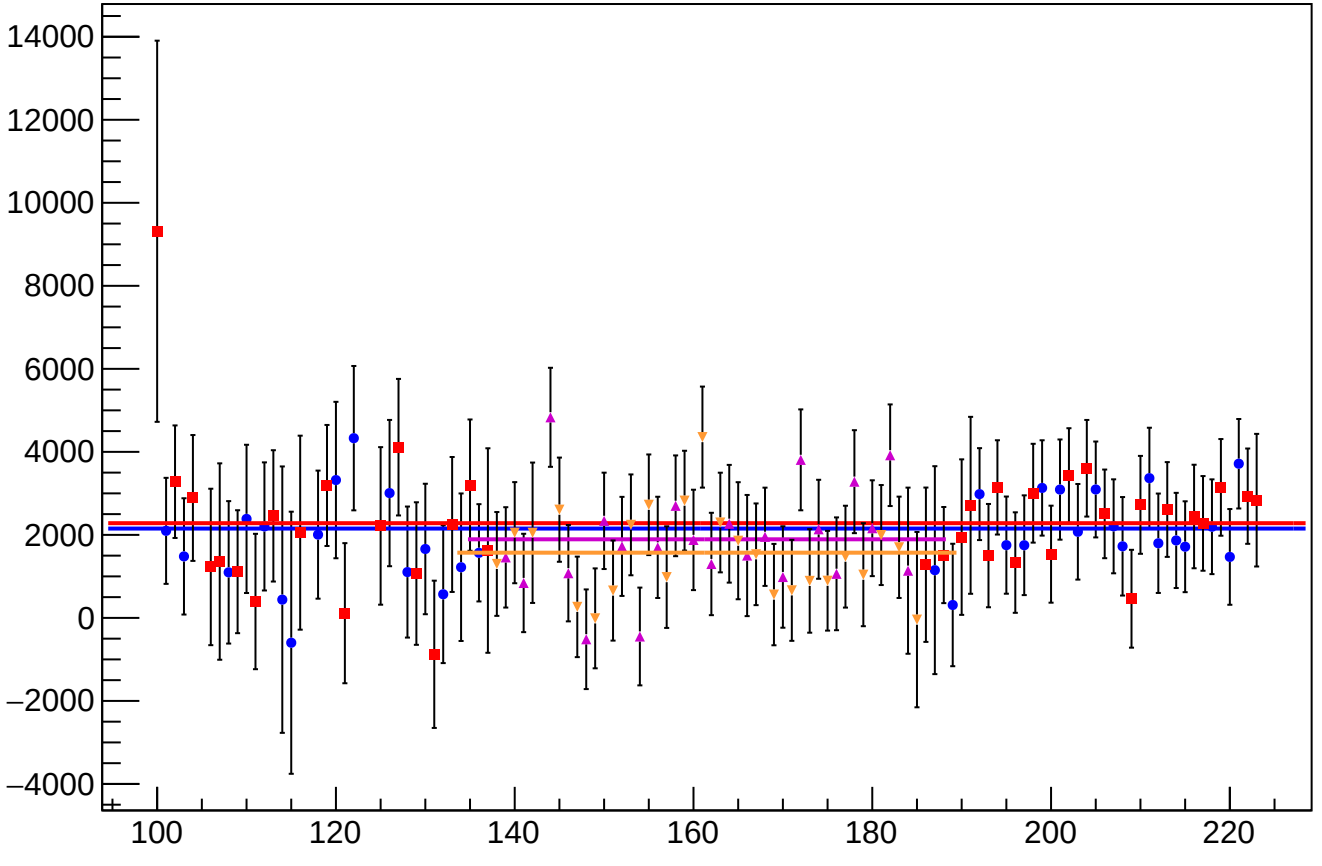
Right: 864.307+/-0.096 χ^2/NDF: 6044977.7/70

In: 983.702+/-0.117 χ^2/NDF:8658684.0/56

Out: 1025.221+/-0.121 χ^2/NDF:8558617.6/60

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

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

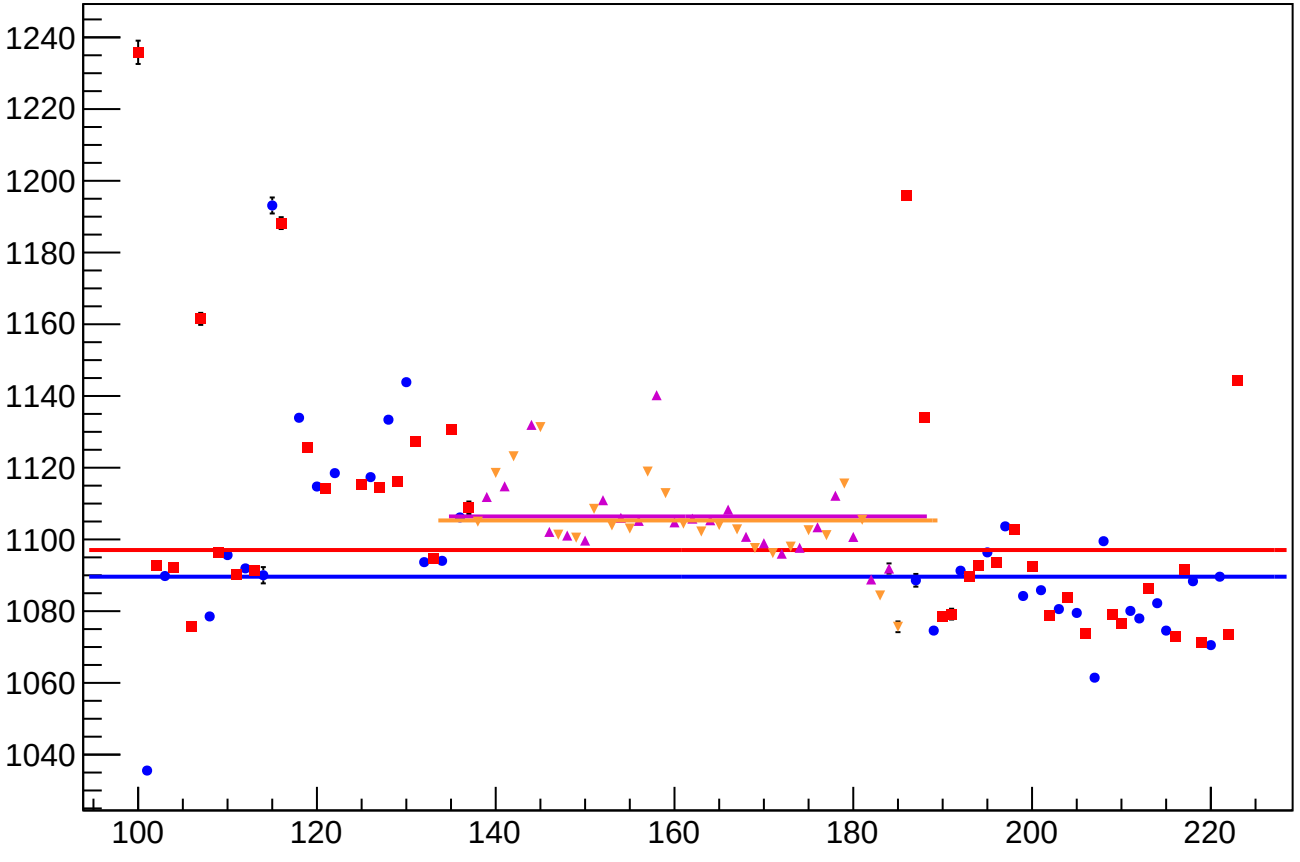
Right: 2217.575+/-163.181 χ^2/NDF: 36.4/71

In: 2036.756+/-172.530 χ^2/NDF:38.9/56

Out: 1965.438+/-171.151 χ^2/NDF:41.6/61

All: 2000.811+/-121.507 χ^2/NDF: 80.6/118

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

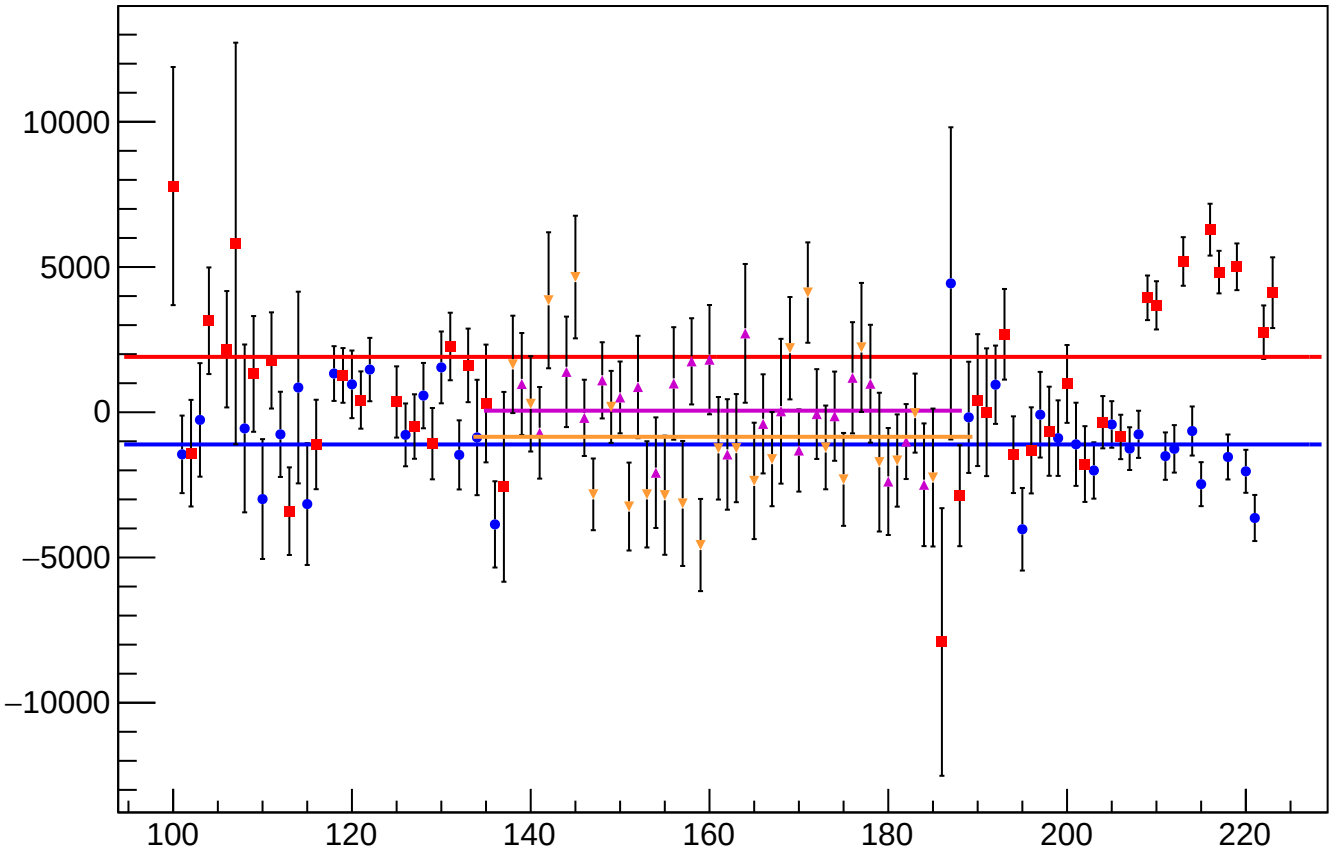
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.361+/-0.115 χ^2/NDF: 43310.3/71

In: 1097.101+/-0.122 χ^2/NDF:25291.2/56

Out: 1100.717+/-0.121 χ^2/NDF:29749.7/61

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



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

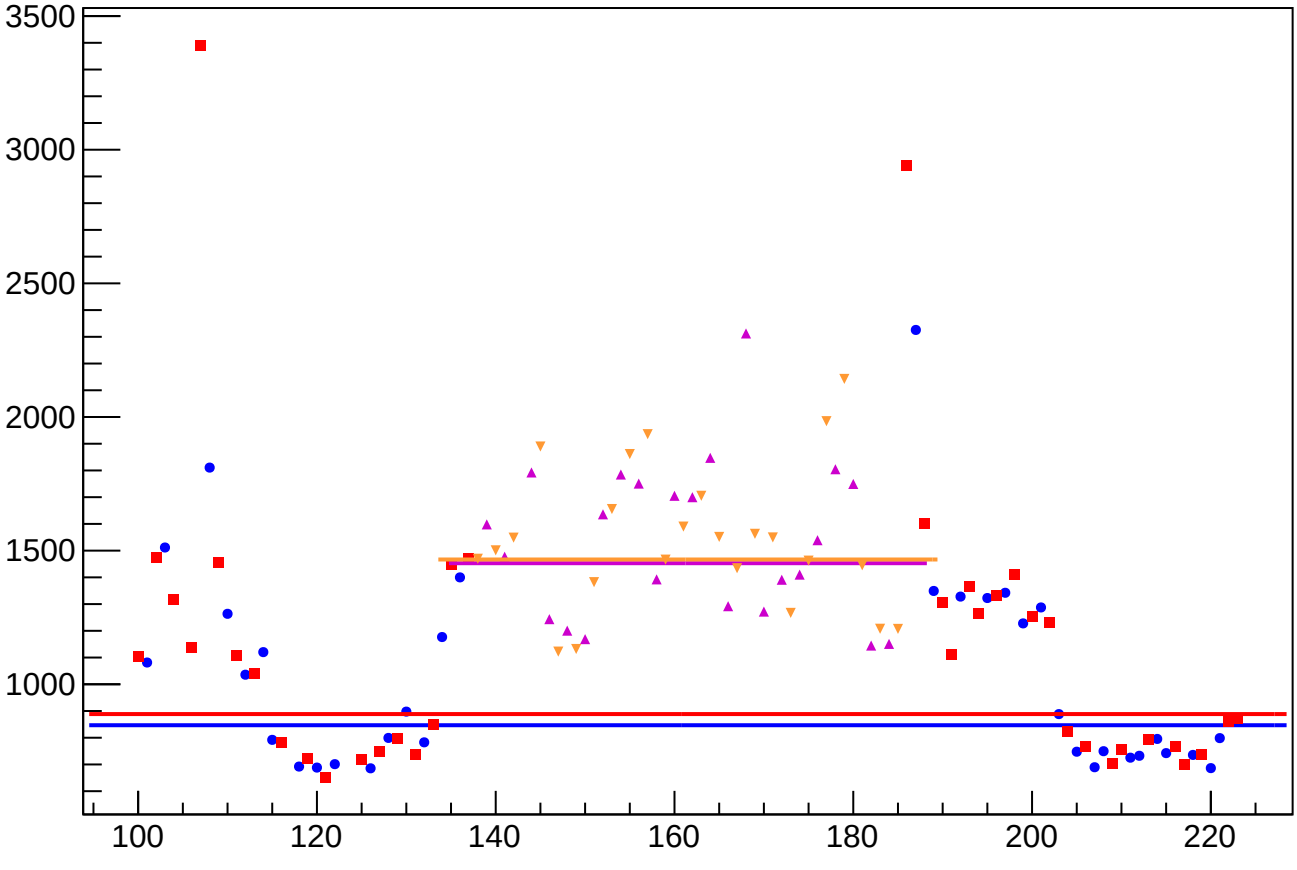
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 337.137+/-135.201 χ^2/NDF: 359.8/71

In: -844.373+/-164.763 χ^2/NDF:76.2/56

Out: 1245.899+/-170.217 χ^2/NDF:273.1/61

All: 166.739+/-118.387 χ^2/NDF: 427.2/118



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

Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

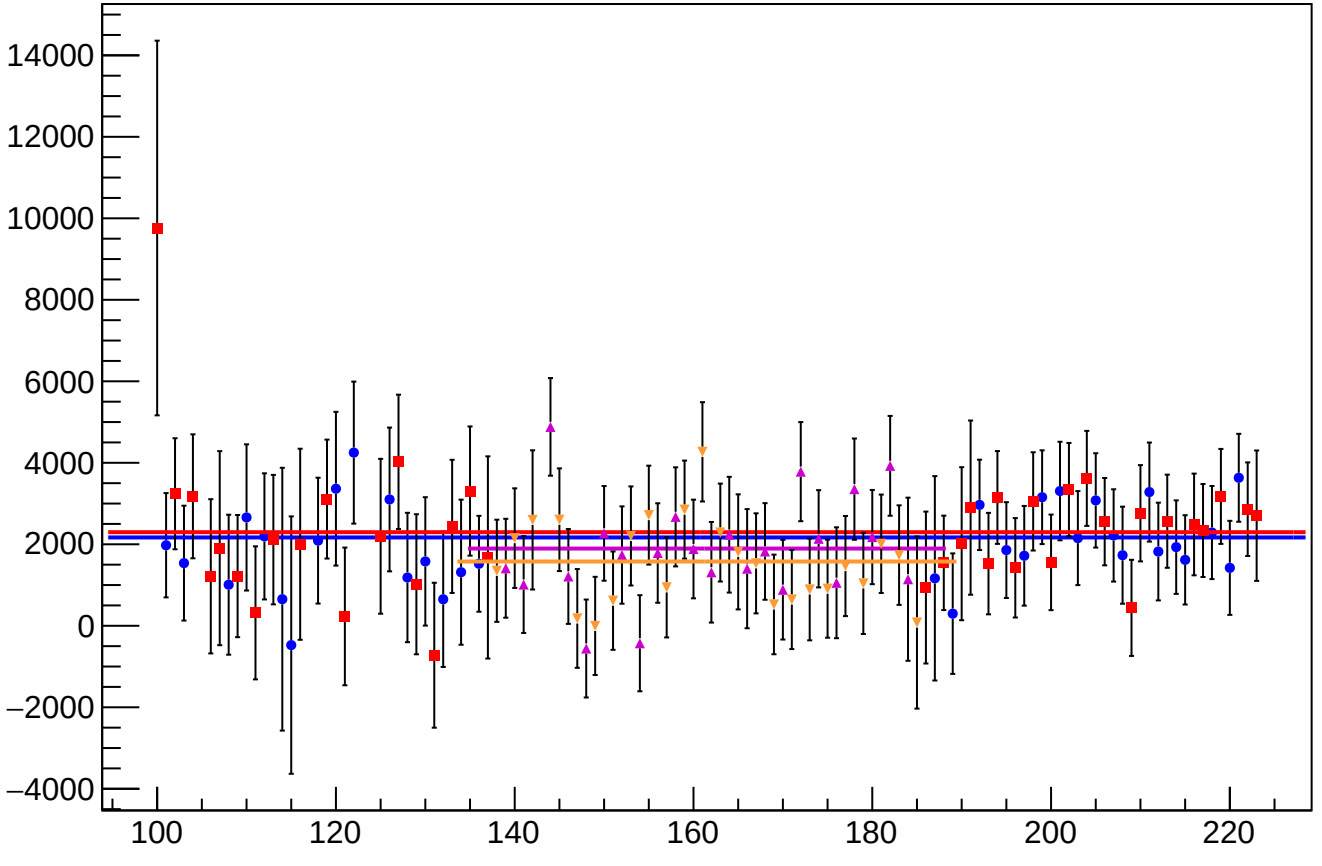
Right: 866.793+/-0.096 χ^2/NDF: 6701421.3/71

In: 984.274+/-0.117 χ^2/NDF:8820707.7/56

Out: 1027.409+/-0.120 χ^2/NDF:8966585.6/61

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

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

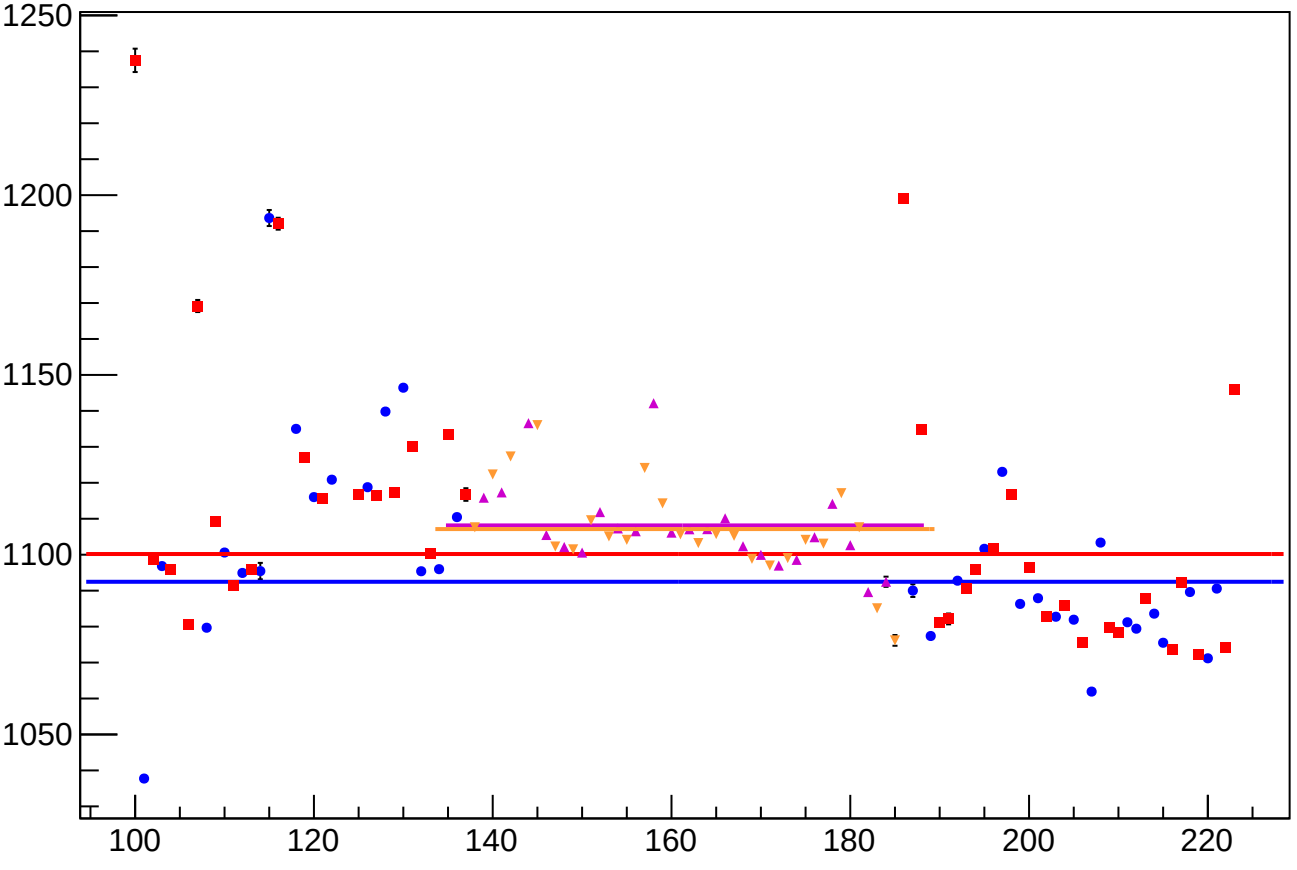
Right: 2232.881+/-163.646 χ^2/NDF: 35.9/71

In: 2046.340+/-172.909 χ^2/NDF:38.7/56

Out: 1976.094+/-171.575 χ^2/NDF:41.6/61

All: 2010.945+/-121.791 χ^2/NDF: 80.4/118

dit_asym_usl_rms vs Slug, Sign Corrected



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

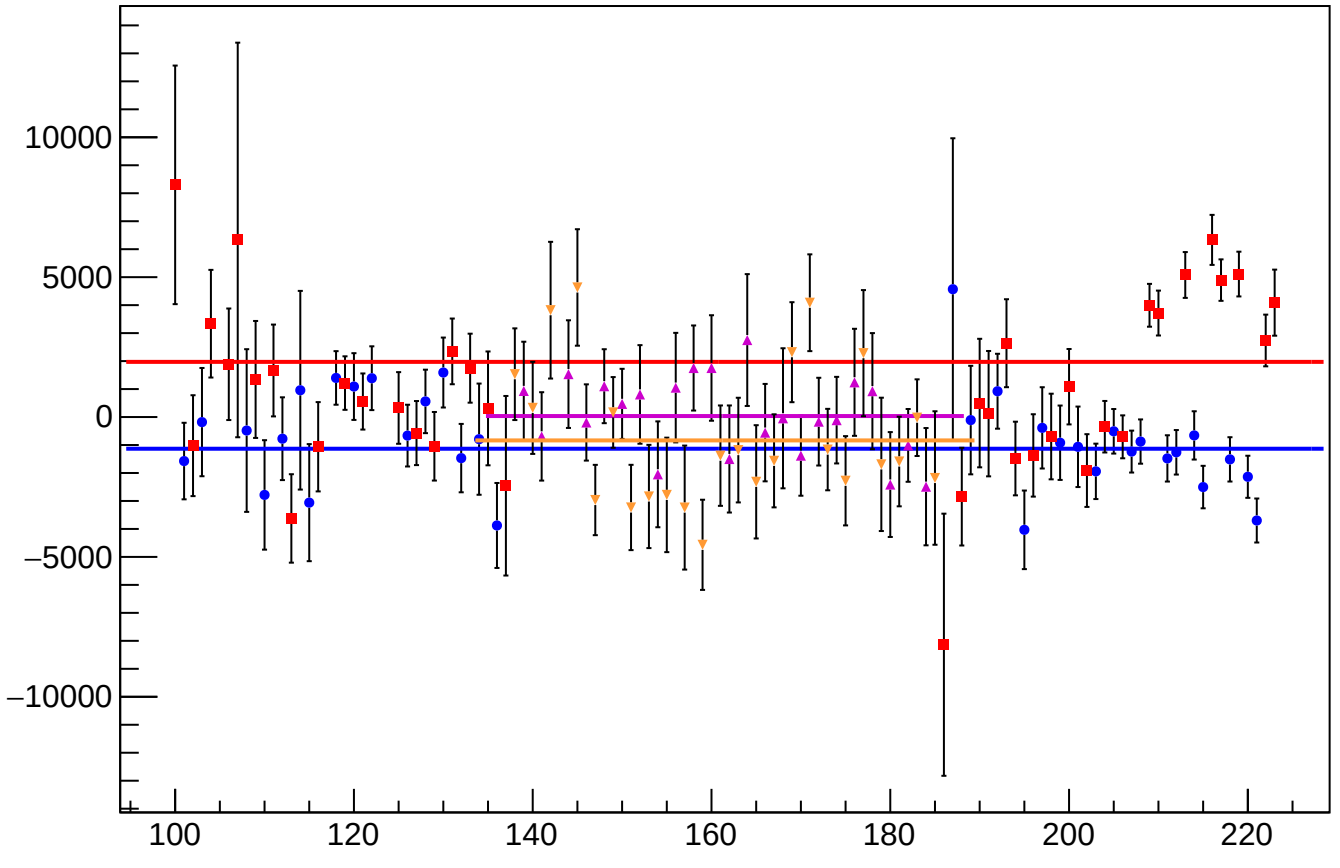
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1096.362+/-0.116 χ^2/NDF: 46032.9/71

In: 1099.469+/-0.122 χ^2/NDF:26855.8/56

Out: 1103.281+/-0.121 χ^2/NDF:30909.7/61

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



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

Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

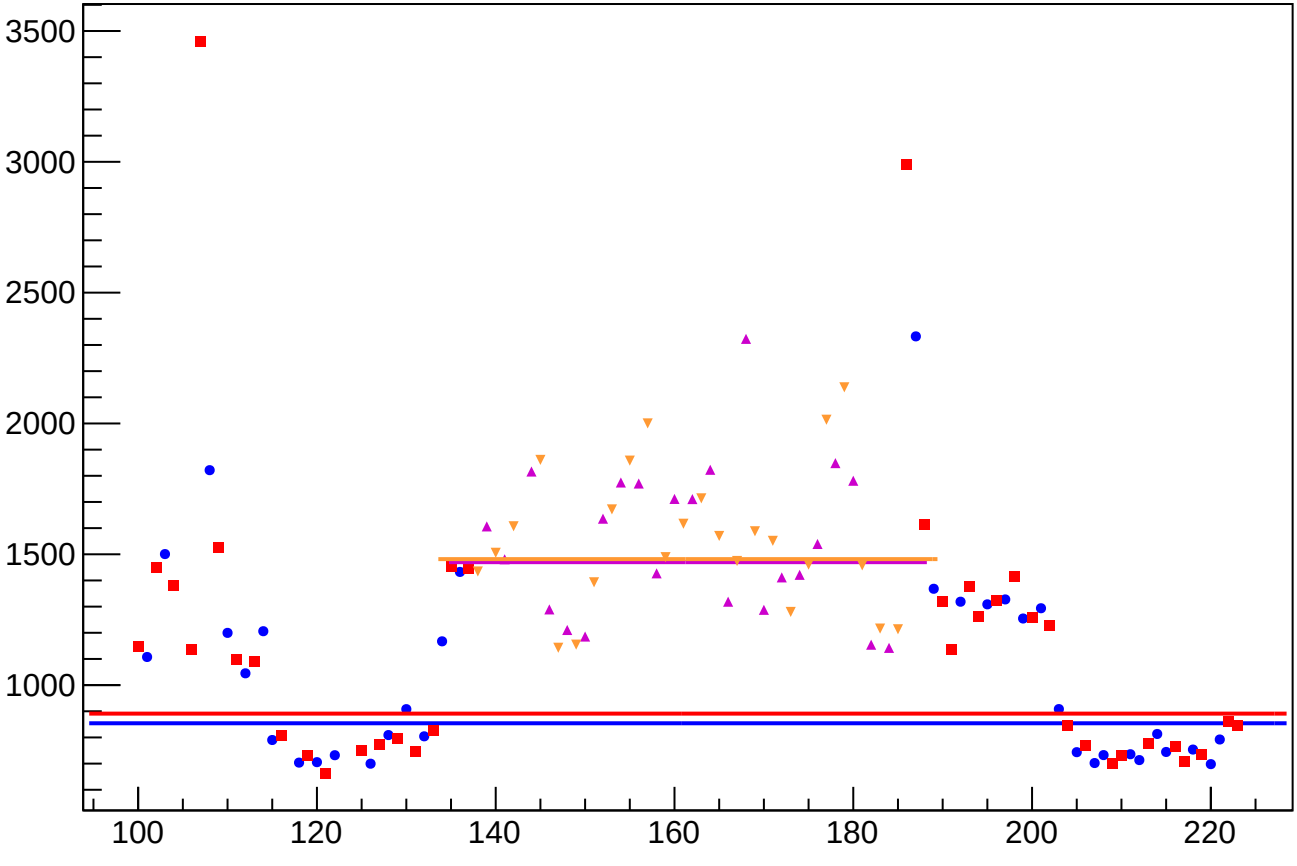
Right: 362.359+/-135.919 χ^2/NDF: 366.0/71

In: -869.195+/-166.109 χ^2/NDF:76.1/56

Out: 1304.335+/-170.989 χ^2/NDF:273.8/61

All: 186.107+/-119.145 χ^2/NDF: 433.0/118

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

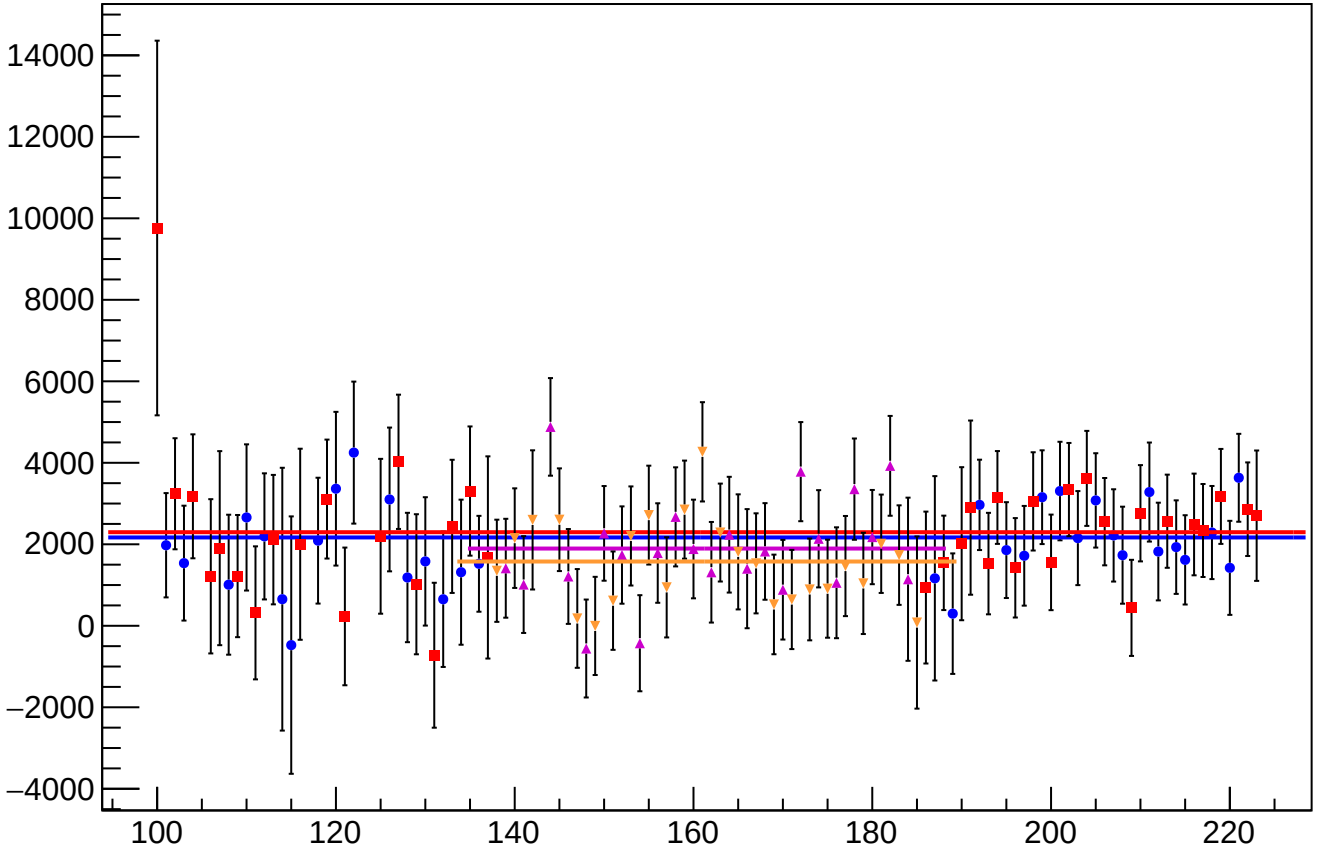
Right: 871.933+/-0.096 χ^2/NDF: 6693098.9/71

In: 993.144+/-0.117 χ^2/NDF:8797131.0/56

Out: 1031.497+/-0.121 χ^2/NDF:9098029.4/61

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

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

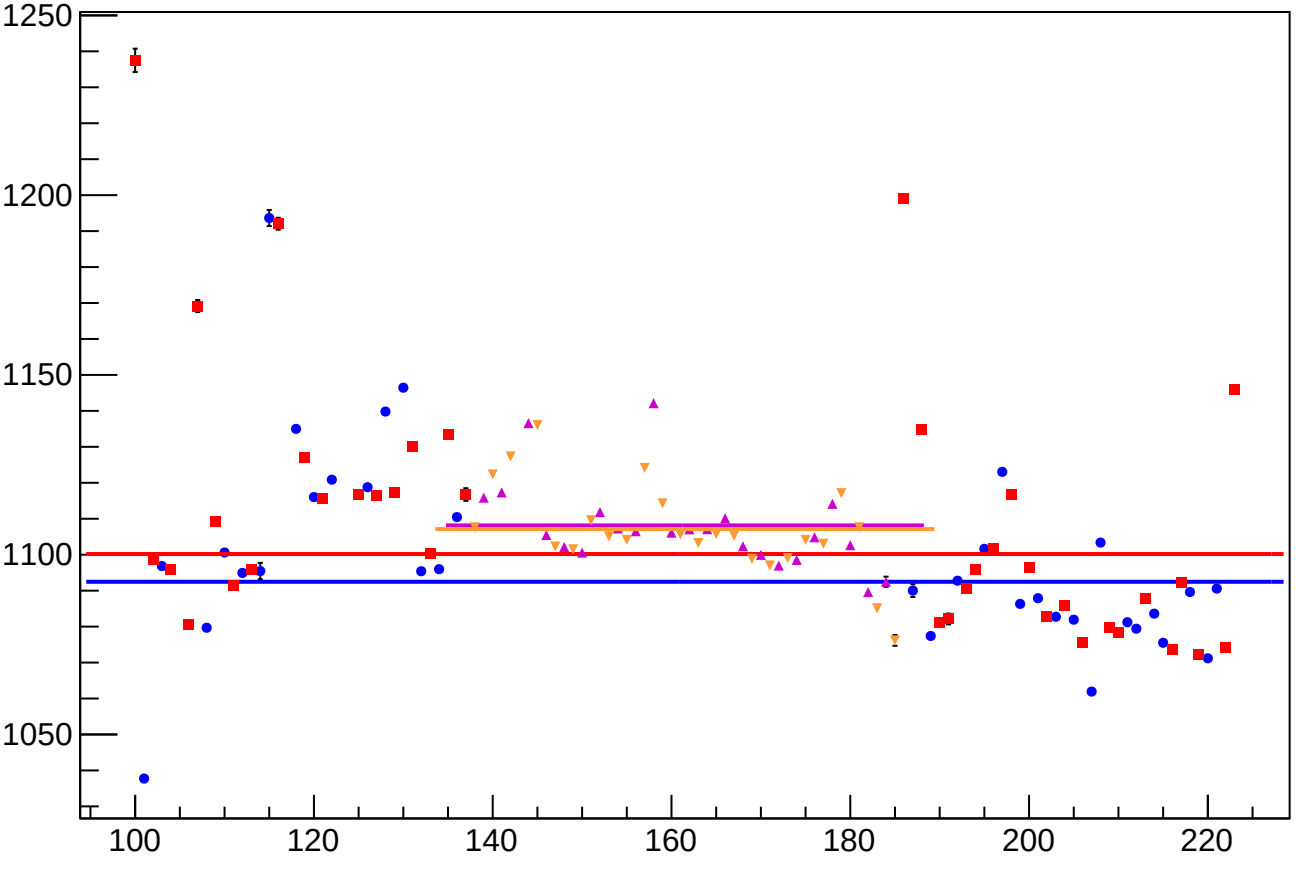
Right: 2232.881+/-163.646 χ^2/NDF: 35.9/71

In: 2046.341+/-172.909 χ^2/NDF:38.7/56

Out: 1976.092+/-171.575 χ^2/NDF:41.6/61

All: 2010.944+/-121.791 χ^2/NDF: 80.4/118

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

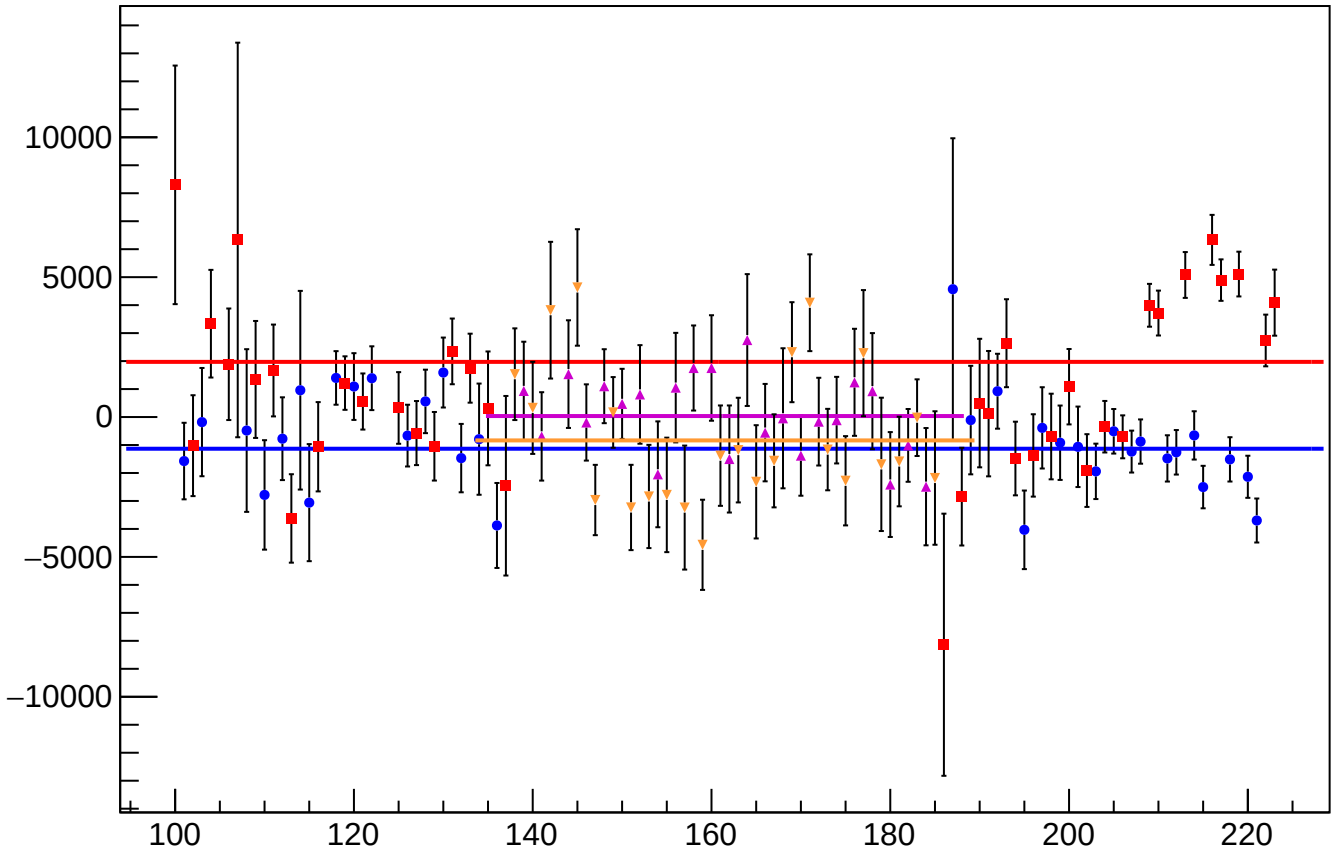
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1096.362+/-0.116 χ^2/NDF: 46032.9/71

In: 1099.469+/-0.122 χ^2/NDF:26855.8/56

Out: 1103.281+/-0.121 χ^2/NDF:30909.7/61

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



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

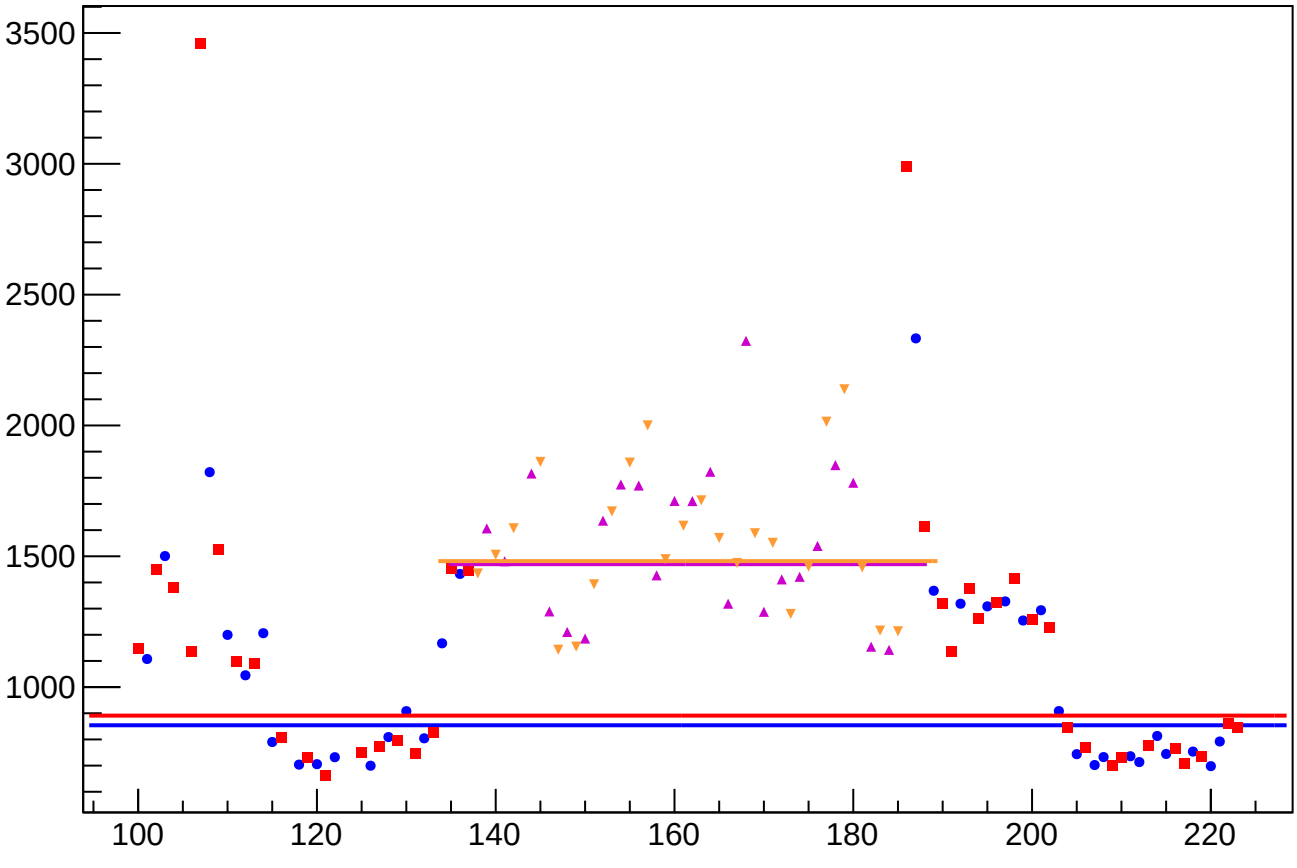
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 362.359+/-135.919 χ^2/NDF: 366.0/71

In: -869.193+/-166.109 χ^2/NDF:76.1/56

Out: 1304.333+/-170.989 χ^2/NDF:273.8/61

All: 186.107+/-119.145 χ^2/NDF: 433.0/118



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

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

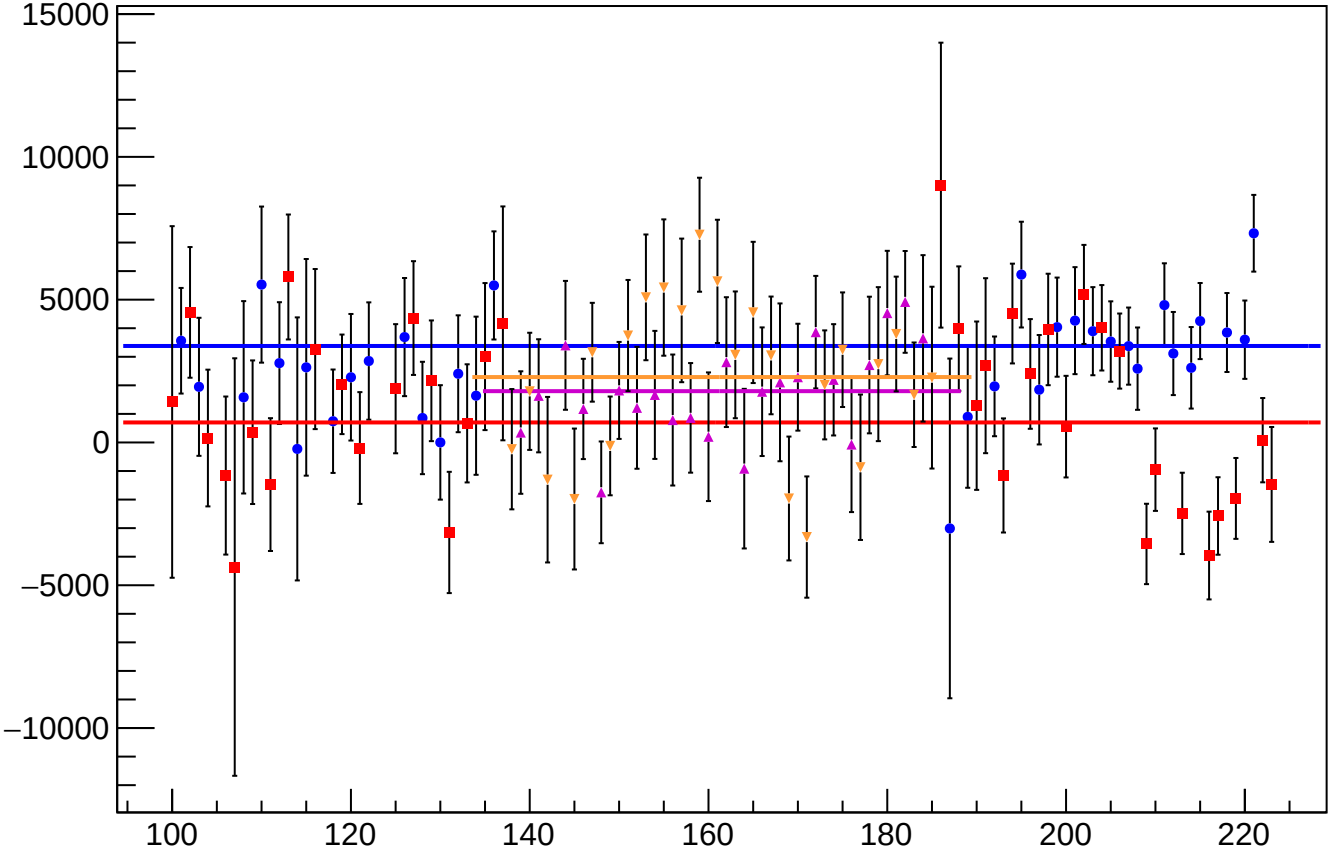
Right: 871.932+/-0.096 χ^2/NDF: 6693096.5/71

In: 993.144+/-0.117 χ^2/NDF:8797146.8/56

Out: 1031.497+/-0.121 χ^2/NDF:9098046.2/61

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

asym_usl_mean vs Slug, Sign Corrected



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

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

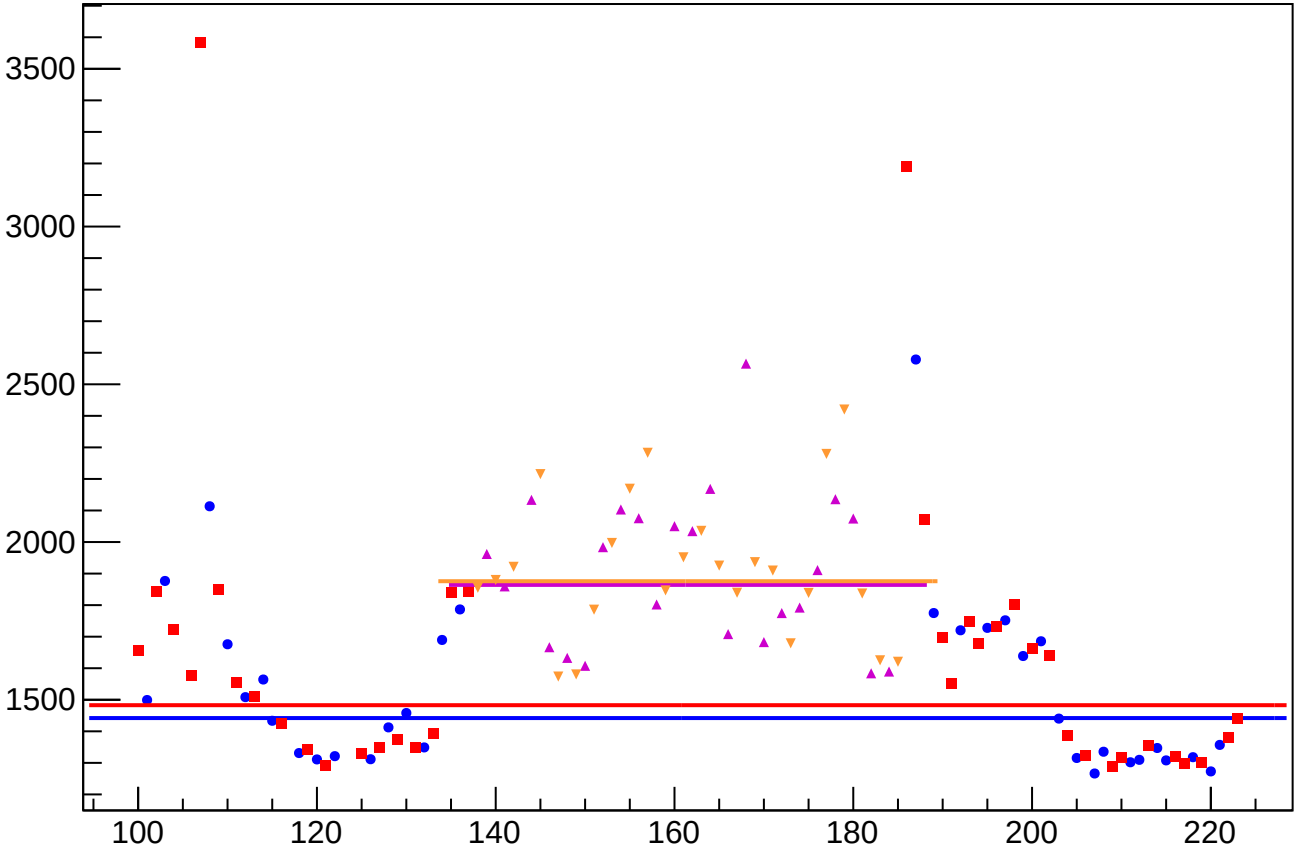
Right: 2062.860+/-221.032 χ^2/NDF: 150.0/71

In: 2852.516+/-253.202 χ^2/NDF:50.3/56

Out: 1240.939+/-256.180 χ^2/NDF:130.6/61

All: 2056.150+/-180.085 χ^2/NDF: 200.9/118

asym_usl_rms vs Slug, Sign Corrected



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

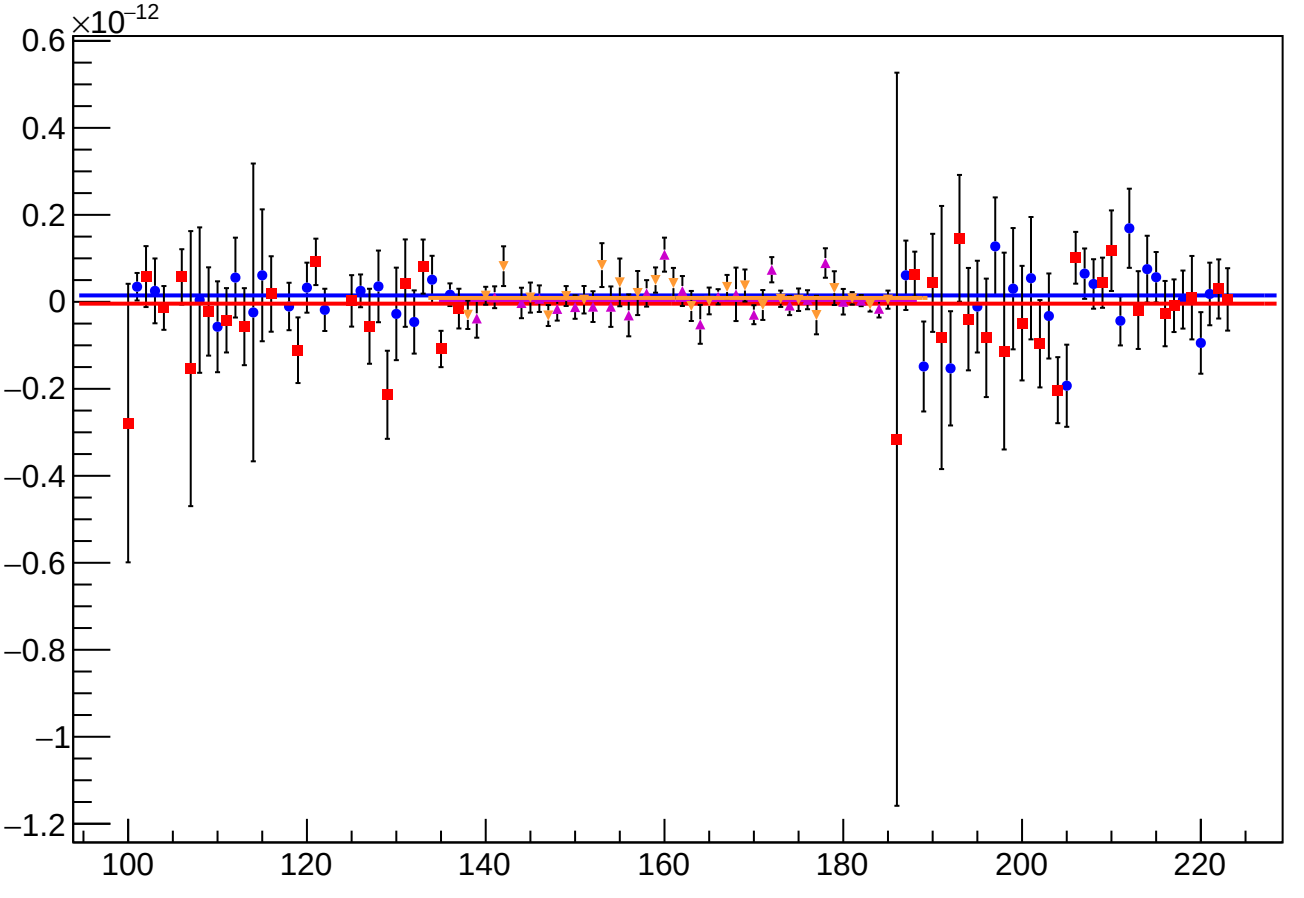
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1462.075+/-0.156 χ^2/NDF: 1997030.6/71

In: 1582.362+/-0.179 χ^2/NDF:2523329.4/56

Out: 1616.461+/-0.181 χ^2/NDF:2729672.2/61

All: 1599.212+/-0.127 χ^2/NDF: 5270926.2/11



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

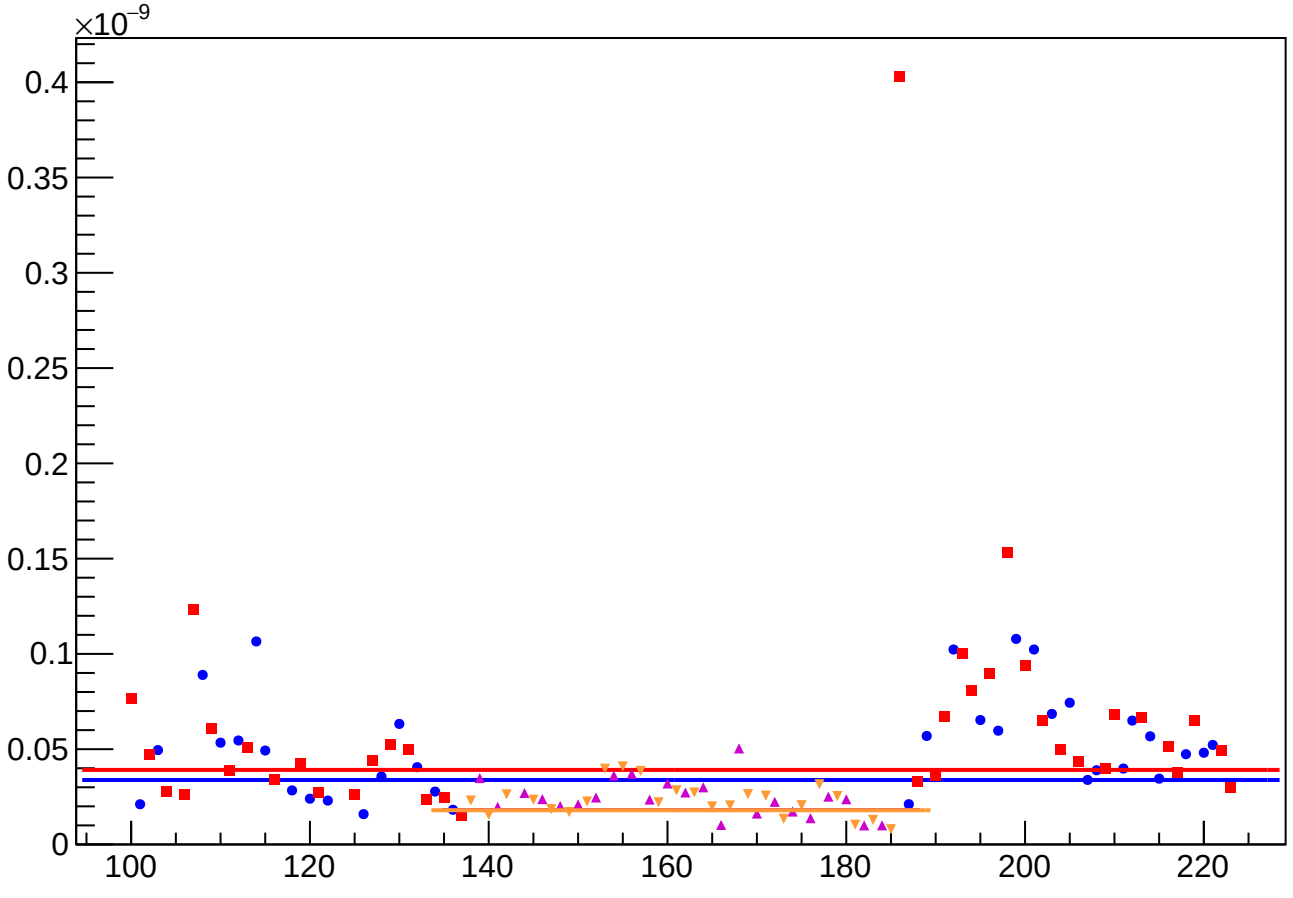
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 63.3/71

In: 0.000+/-0.000 χ^2/NDF:51.4/56

Out: 0.000+/-0.000 χ^2/NDF:56.9/61

All: 0.000+/-0.000 χ^2/NDF: 108.3/118



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

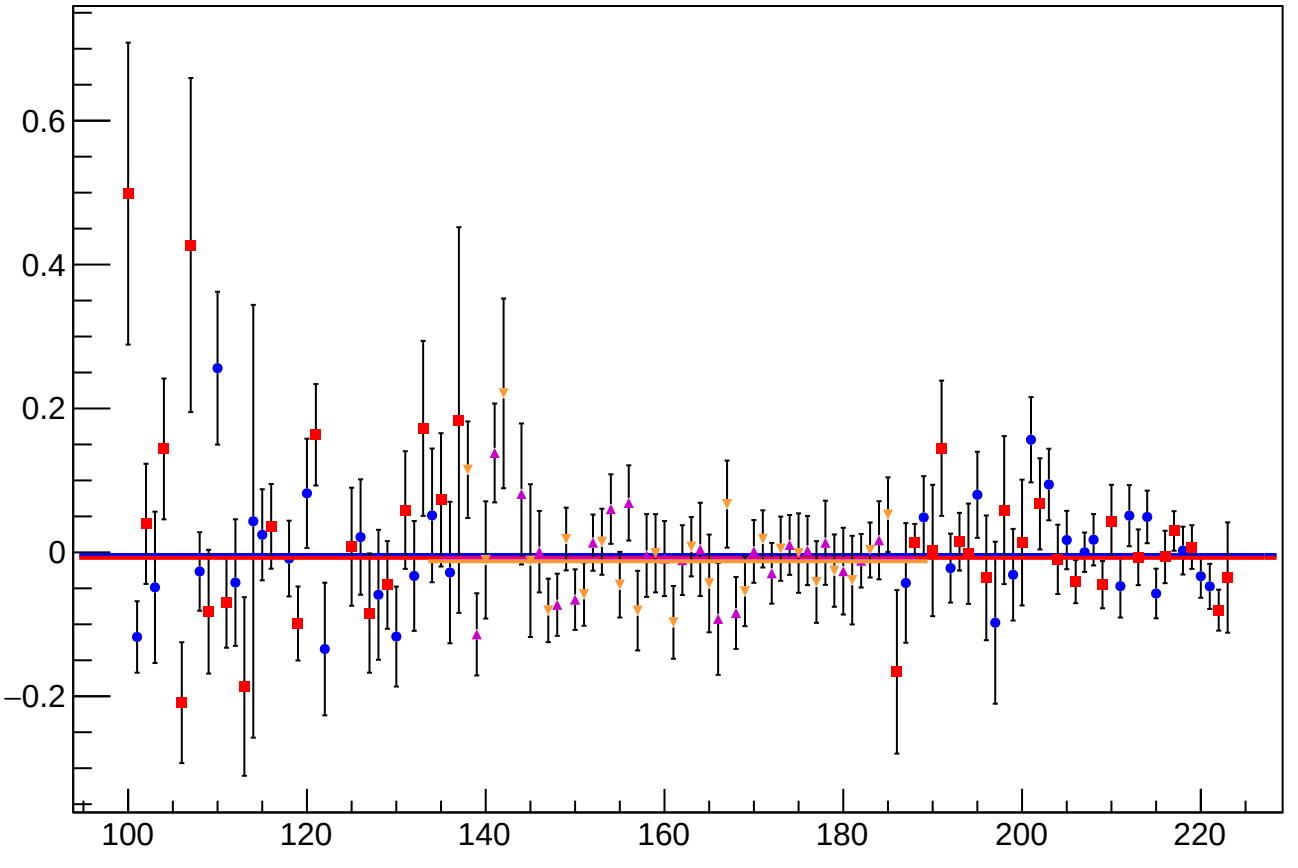
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10742700.9/71

In: 0.000+/-0.000 χ^2/NDF:13344546.2/56

Out: 0.000+/-0.000 χ^2/NDF:13158457.2/61

All: 0.000+/-0.000 χ^2/NDF: 26504699.5/118



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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

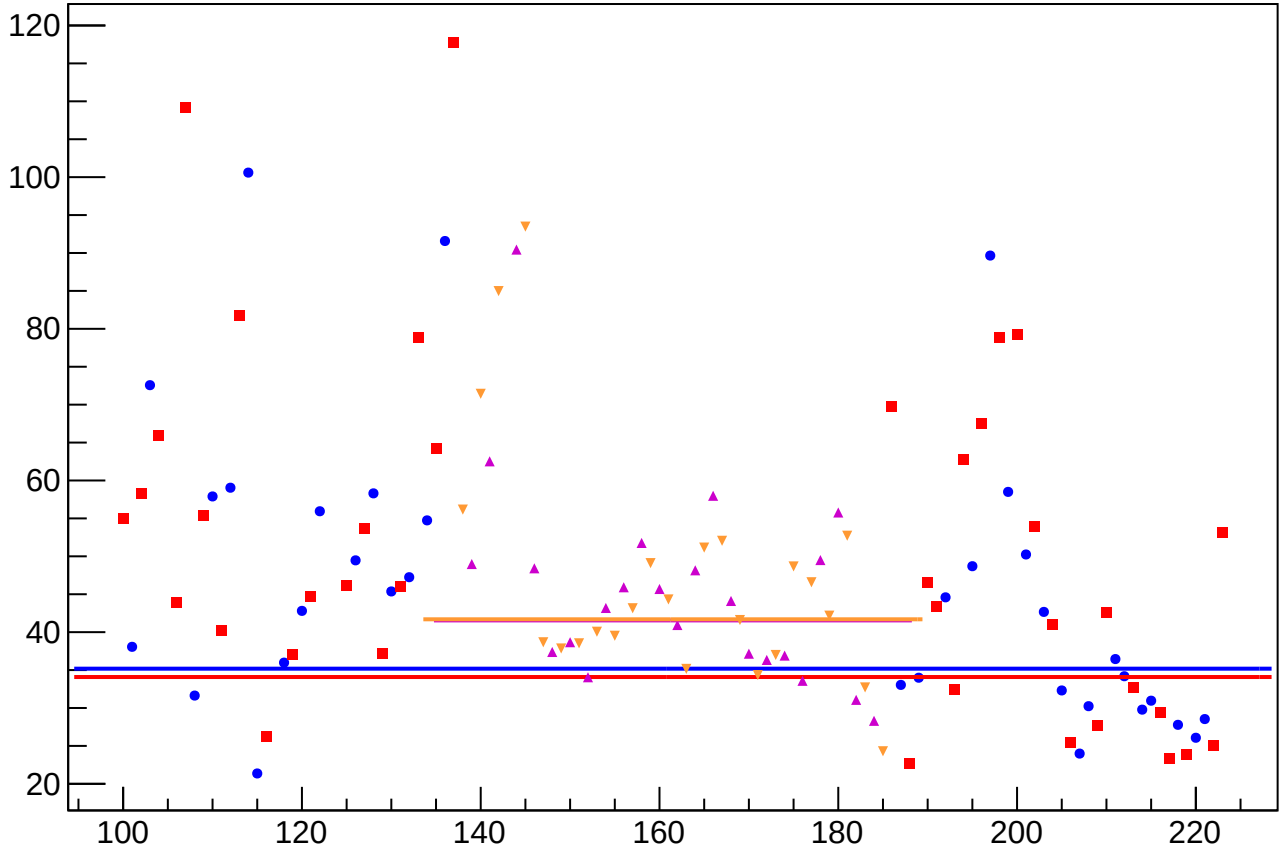
Right: -0.006+/-0.006 χ^2/NDF: 101.4/71

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.009+/-0.007 χ^2/NDF:78.4/61

All: -0.008+/-0.005 χ^2/NDF: 145.6/118

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

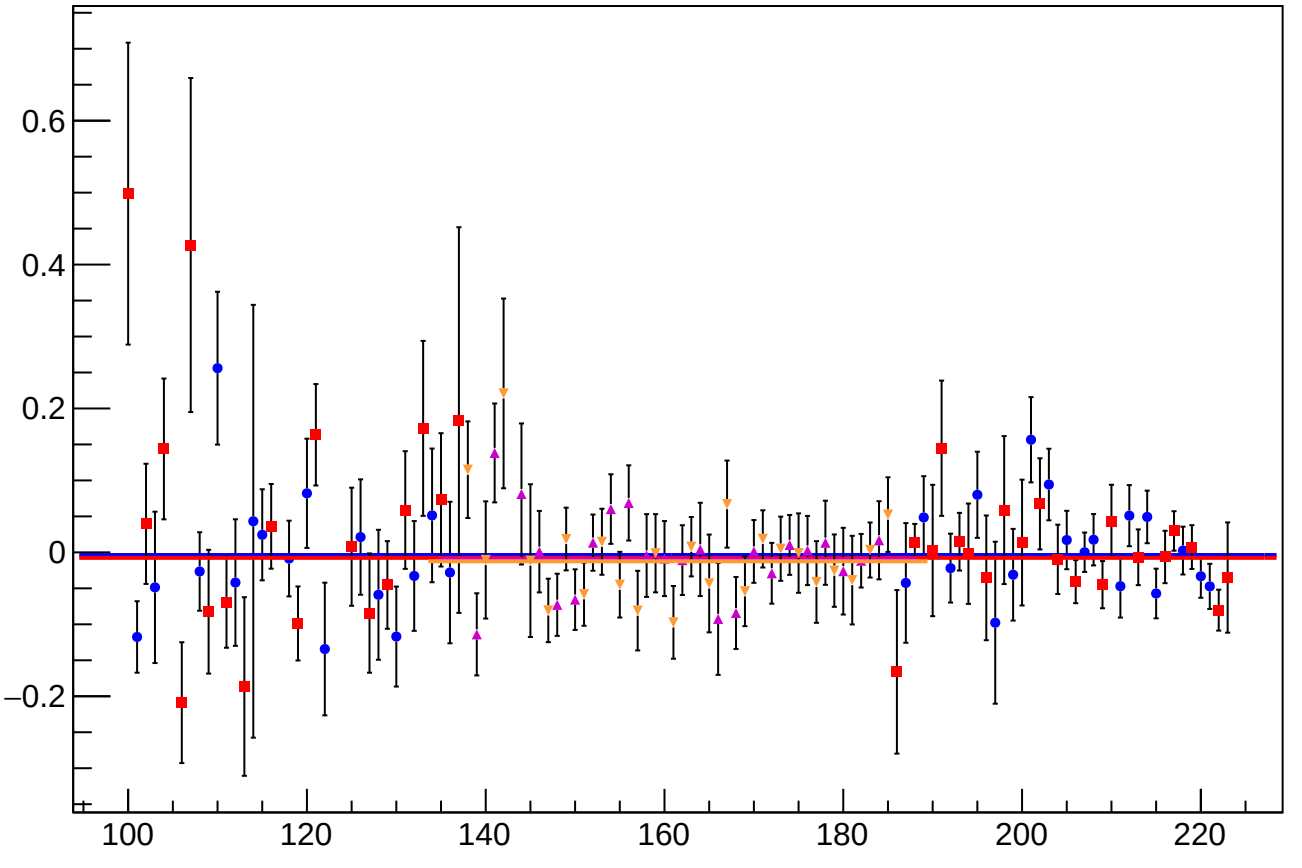
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 34.624+/-0.004 χ^2/NDF: 9445996.8/71

In: 37.754+/-0.005 χ^2/NDF:5831242.4/56

Out: 37.084+/-0.005 χ^2/NDF:8110523.1/61

All: 37.416+/-0.003 χ^2/NDF: 13951991.6/118



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

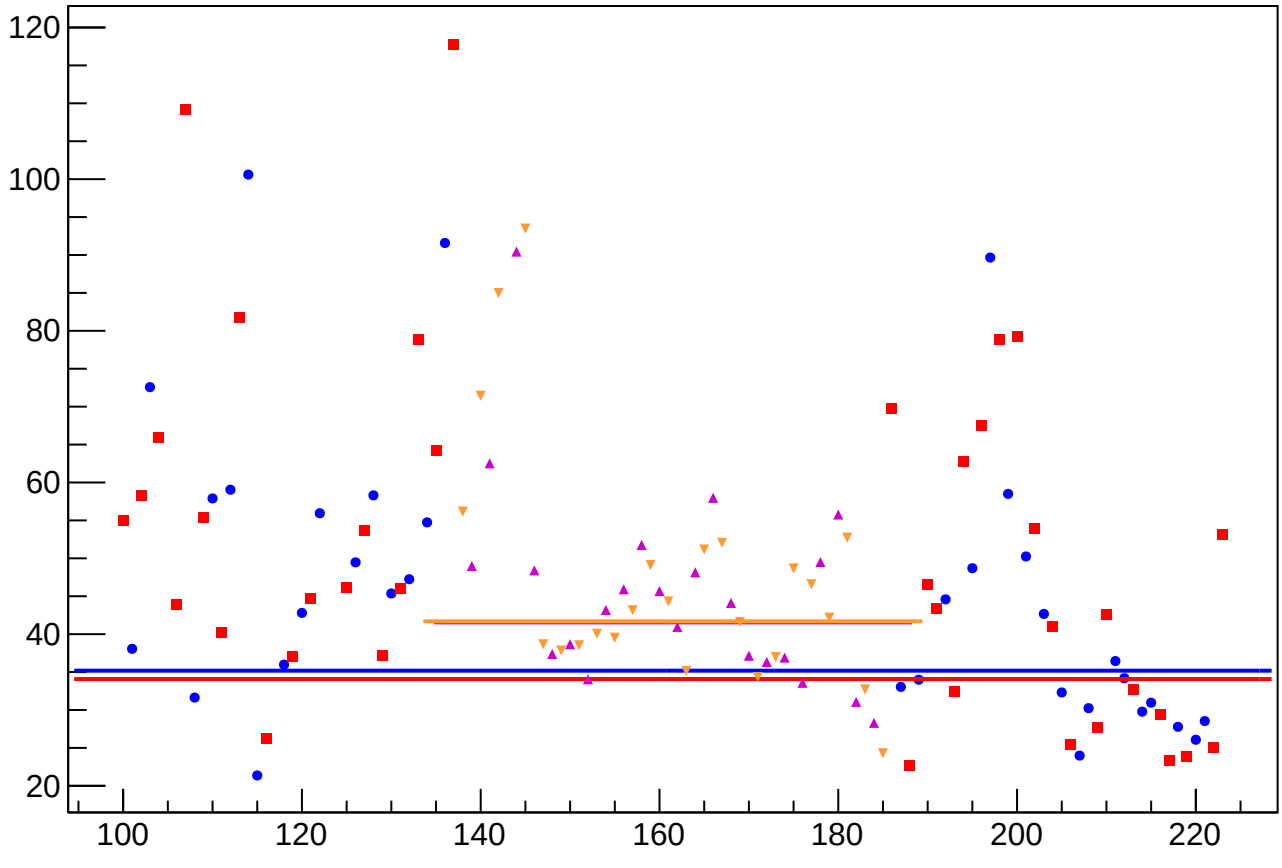
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.006+/-0.006 χ^2/NDF: 101.4/71

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.009+/-0.007 χ^2/NDF:78.4/61

All: -0.008+/-0.005 χ^2/NDF: 145.6/118



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

Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

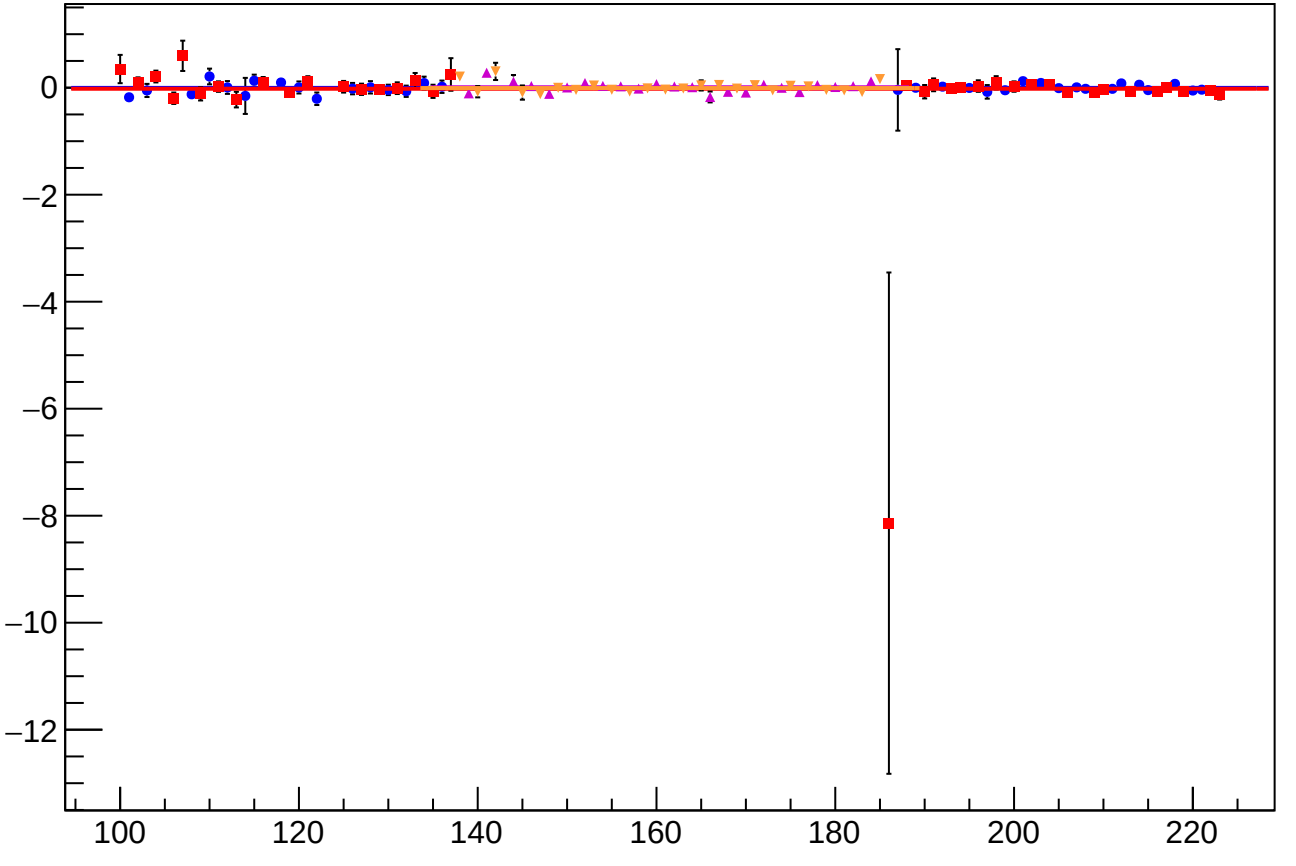
Right: 34.624+/-0.004 χ^2/NDF: 9445996.8/71

In: 37.754+/-0.005 χ^2/NDF:5831242.4/56

Out: 37.084+/-0.005 χ^2/NDF:8110523.1/61

All: 37.416+/-0.003 χ^2/NDF: 13951991.6/118

asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

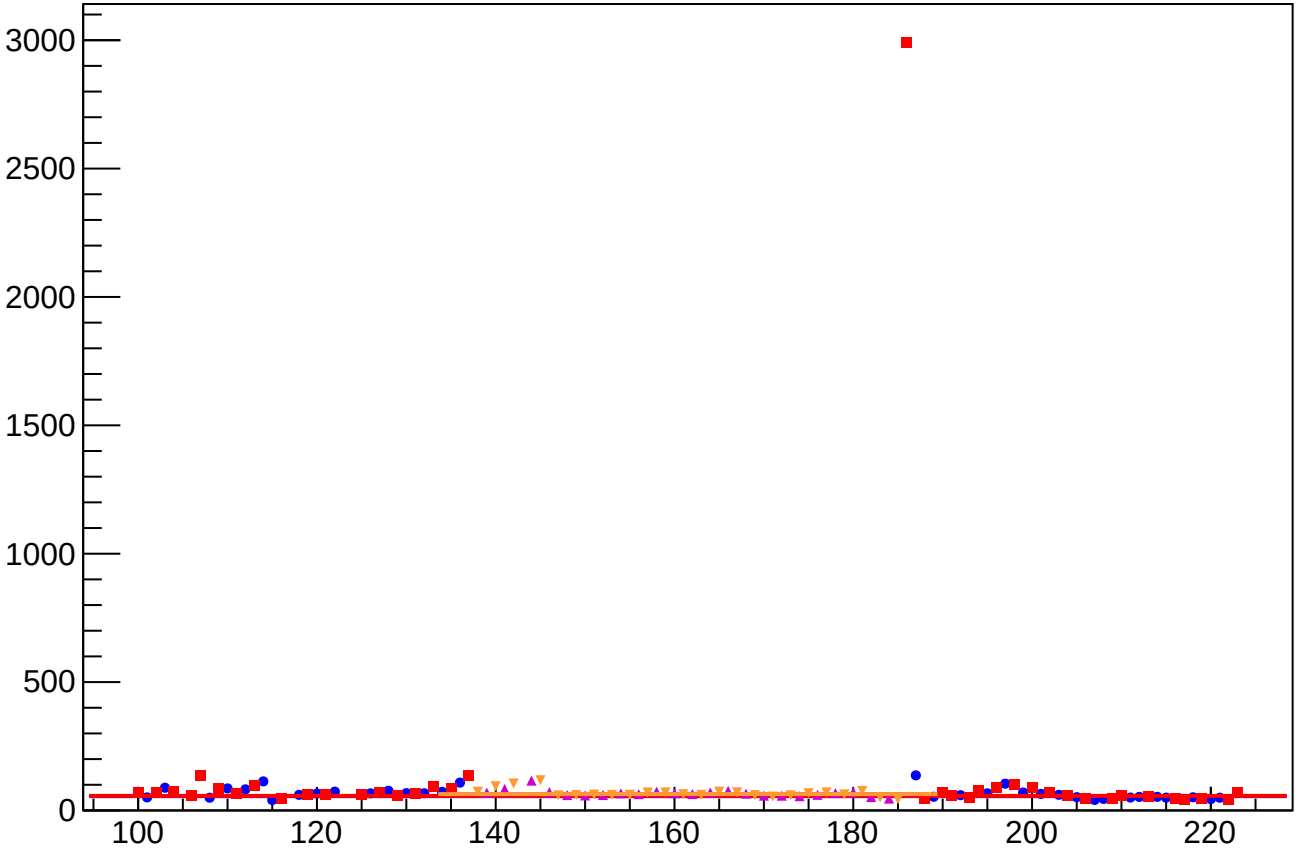
Right: -0.012+/-0.009 χ^2/NDF: 73.0/71

In: 0.001+/-0.010 χ^2/NDF:59.9/56

Out: -0.014+/-0.010 χ^2/NDF:64.8/61

All: -0.007+/-0.007 χ^2/NDF: 125.9/118

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

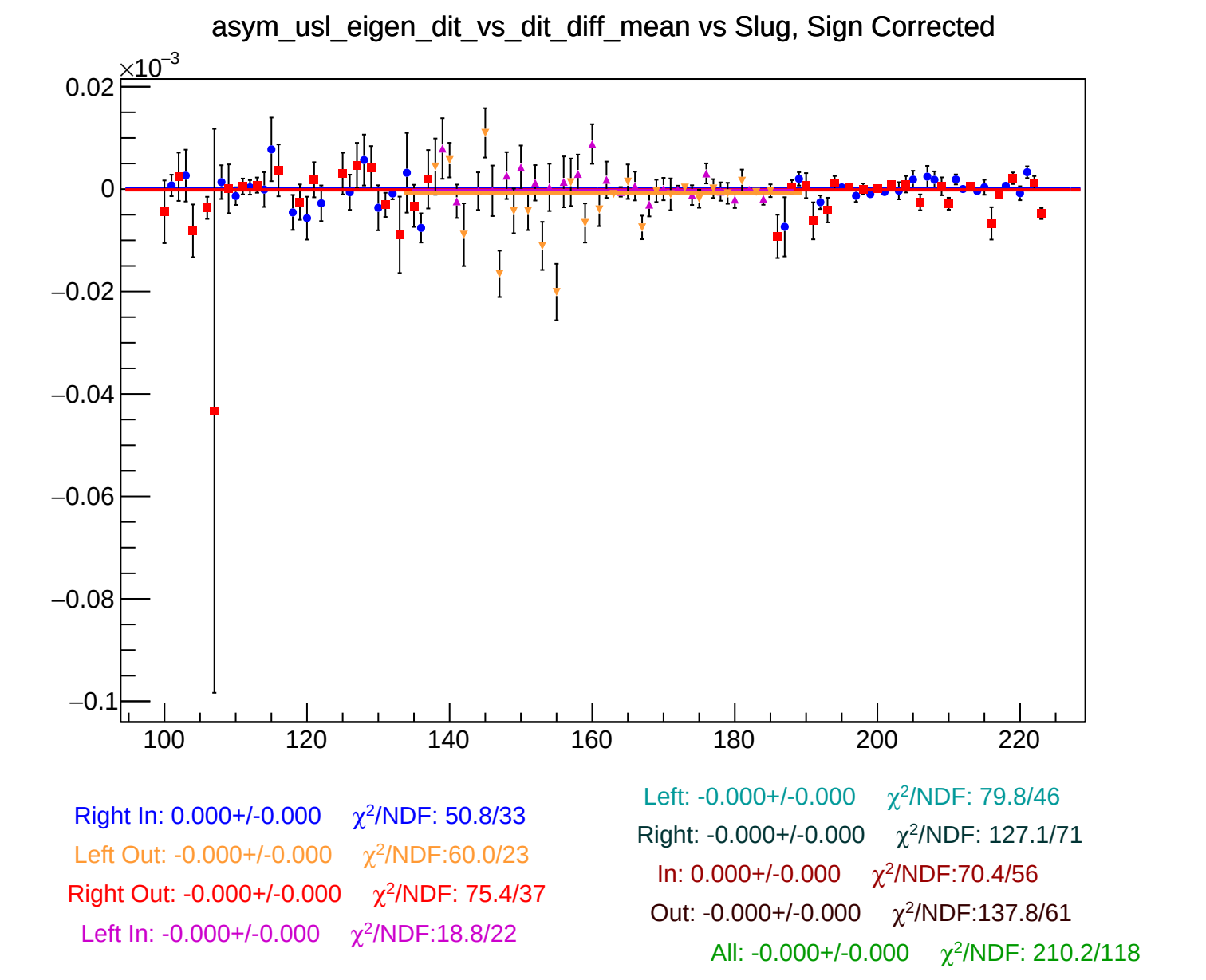
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

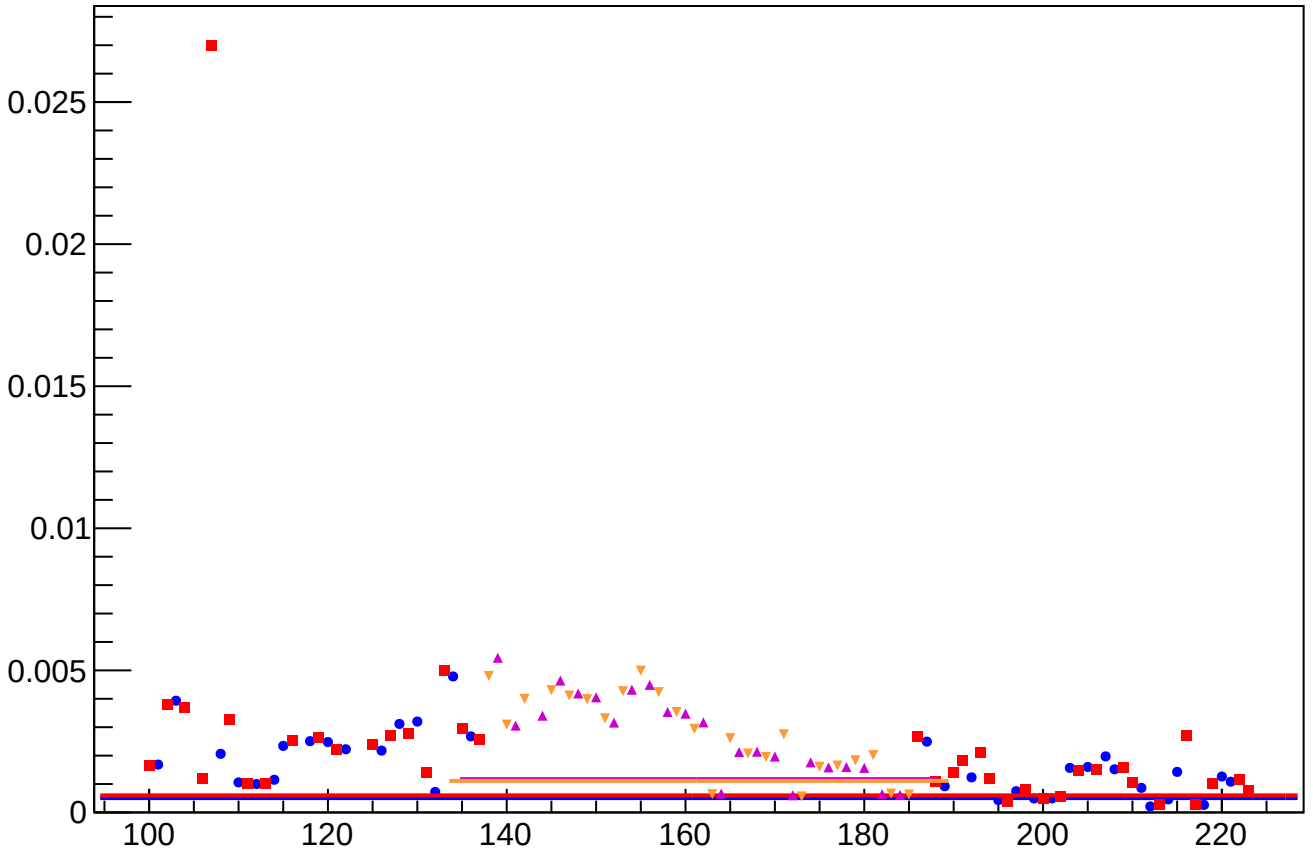
Right: 56.232+/-0.006 χ^2/NDF: 5487003.4/71

In: 59.097+/-0.007 χ^2/NDF:3265186.1/56

Out: 59.661+/-0.007 χ^2/NDF:4719022.5/61

All: 59.377+/-0.005 χ^2/NDF: 7987456.3/118


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 50.8/33
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 75.4/37
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 79.8/46
Right: -0.000+/-0.000 χ²/NDF: 127.1/71
In: 0.000+/-0.000 χ²/NDF:70.4/56
Out: -0.000+/-0.000 χ²/NDF:137.8/61
All: -0.000+/-0.000 χ²/NDF: 210.2/118



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

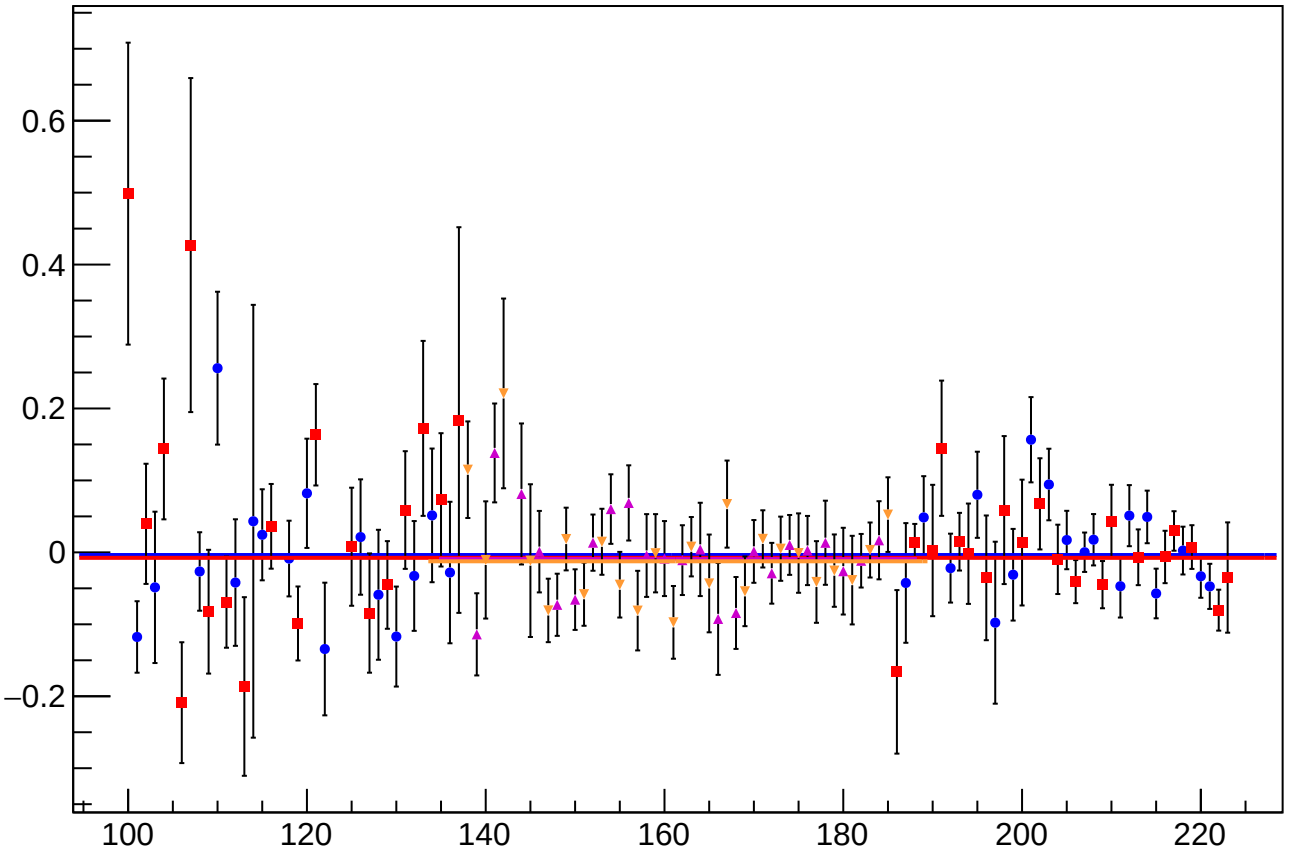
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 35797487.6/71

In: 0.001+/-0.000 χ^2/NDF:37971077.2/56

Out: 0.001+/-0.000 χ^2/NDF:36252650.6/61

All: 0.001+/-0.000 χ^2/NDF: 74704248.5/118



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

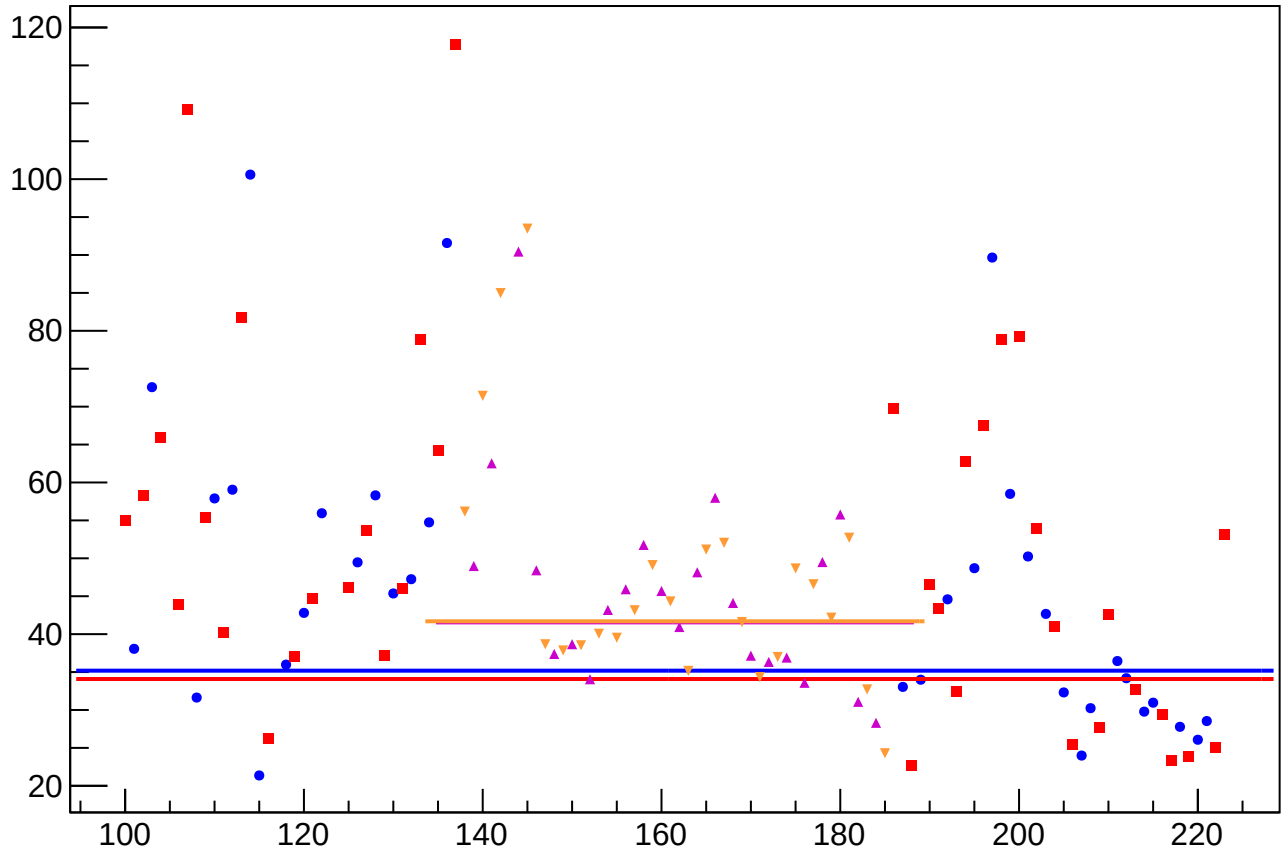
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.006+/-0.006 χ^2/NDF: 101.4/71

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.009+/-0.007 χ^2/NDF:78.4/61

All: -0.008+/-0.005 χ^2/NDF: 145.6/118



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

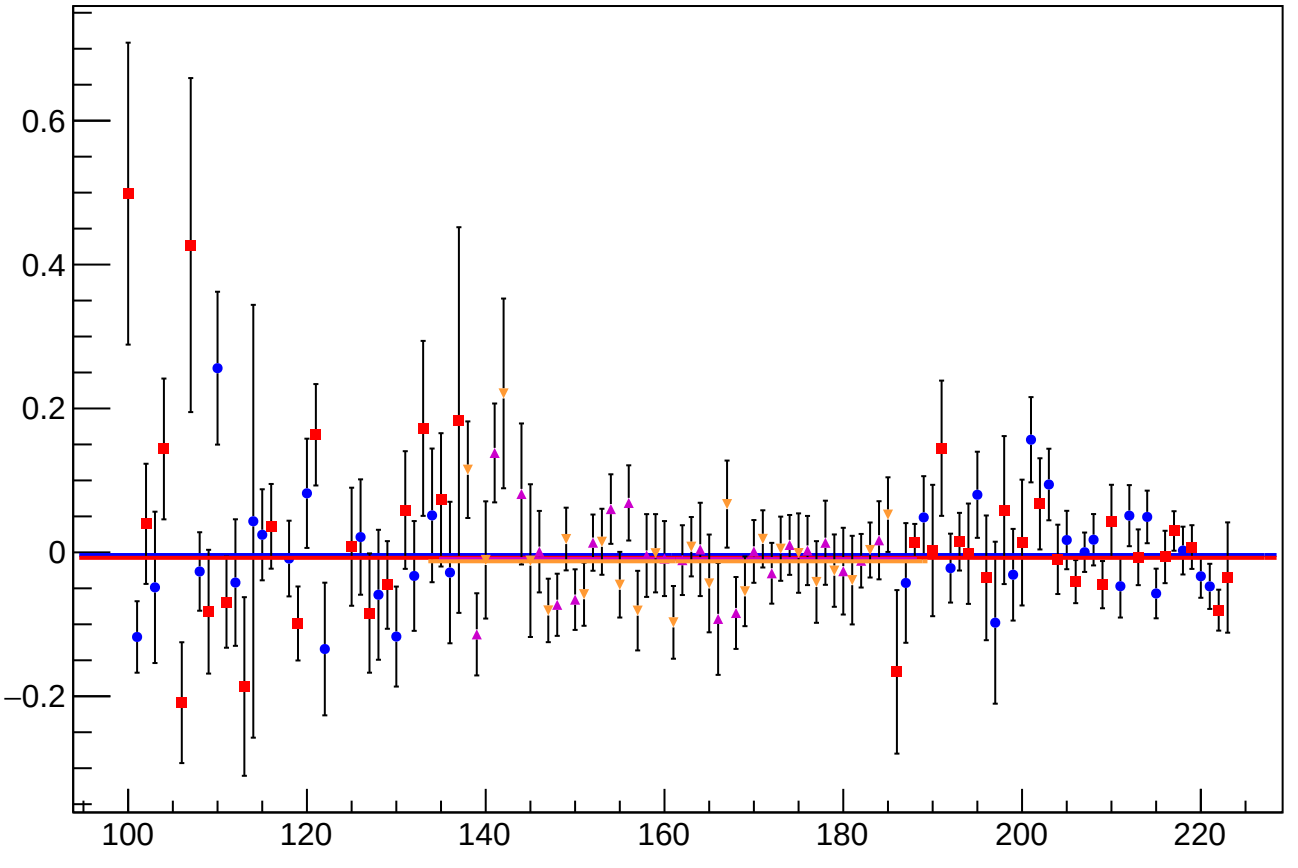
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 34.624+/-0.004 χ^2/NDF: 9445790.1/71

In: 37.754+/-0.005 χ^2/NDF:5831230.6/56

Out: 37.084+/-0.005 χ^2/NDF:8110318.0/61

All: 37.416+/-0.003 χ^2/NDF: 13951771.8/118



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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

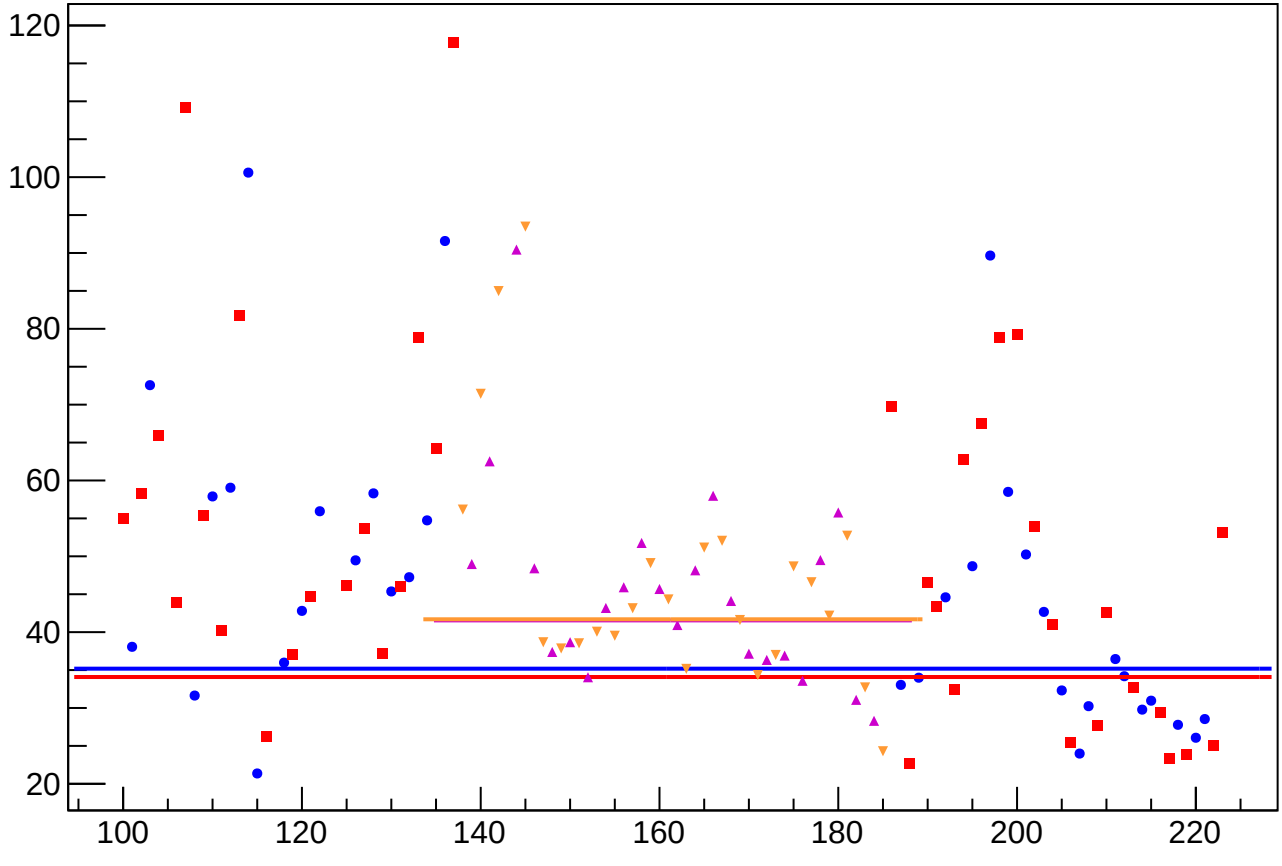
Right: -0.006+/-0.006 χ^2/NDF: 101.4/71

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.009+/-0.007 χ^2/NDF:78.4/61

All: -0.008+/-0.005 χ^2/NDF: 145.6/118

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

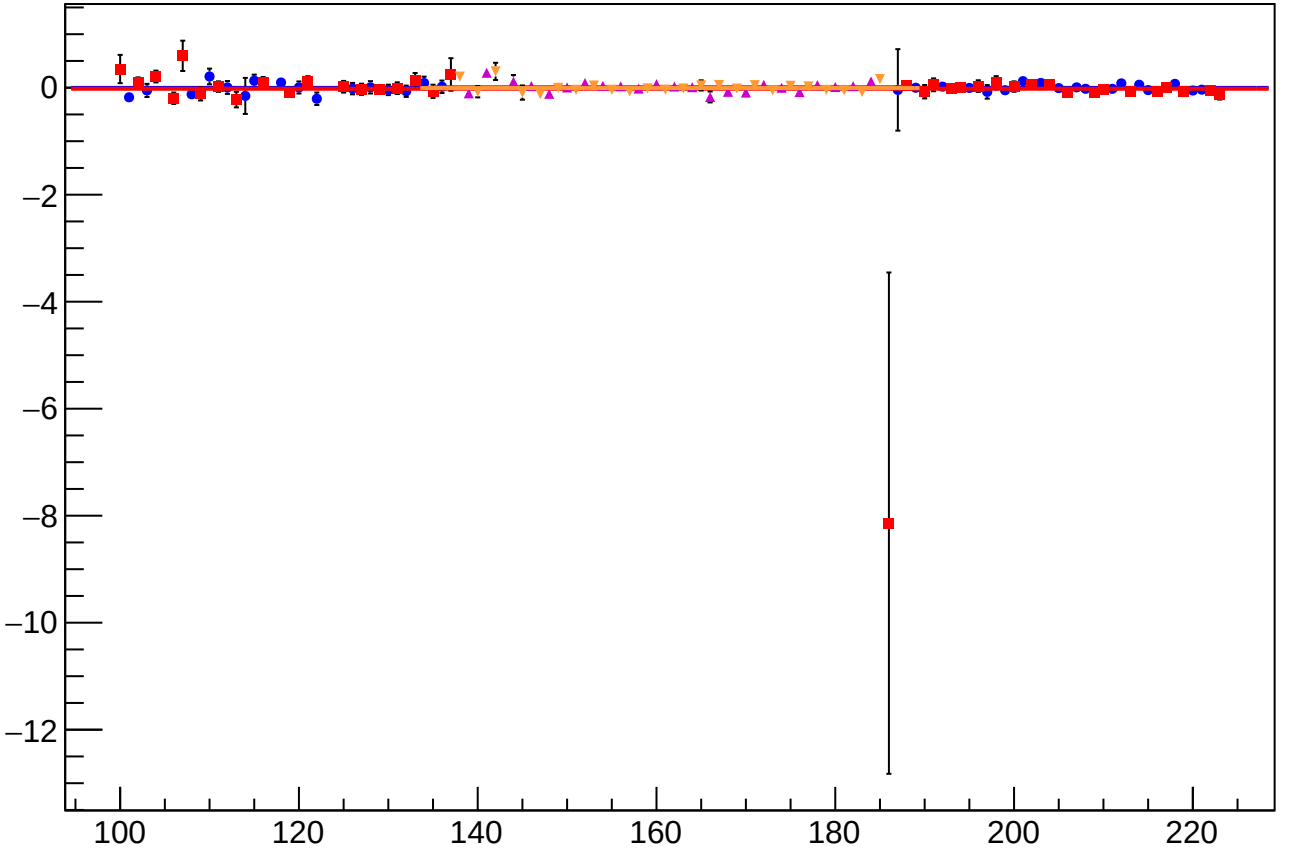
Right: 34.624+/-0.004 χ^2/NDF: 9445790.1/71

In: 37.754+/-0.005 χ^2/NDF:5831230.6/56

Out: 37.084+/-0.005 χ^2/NDF:8110318.0/61

All: 37.416+/-0.003 χ^2/NDF: 13951771.8/118

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

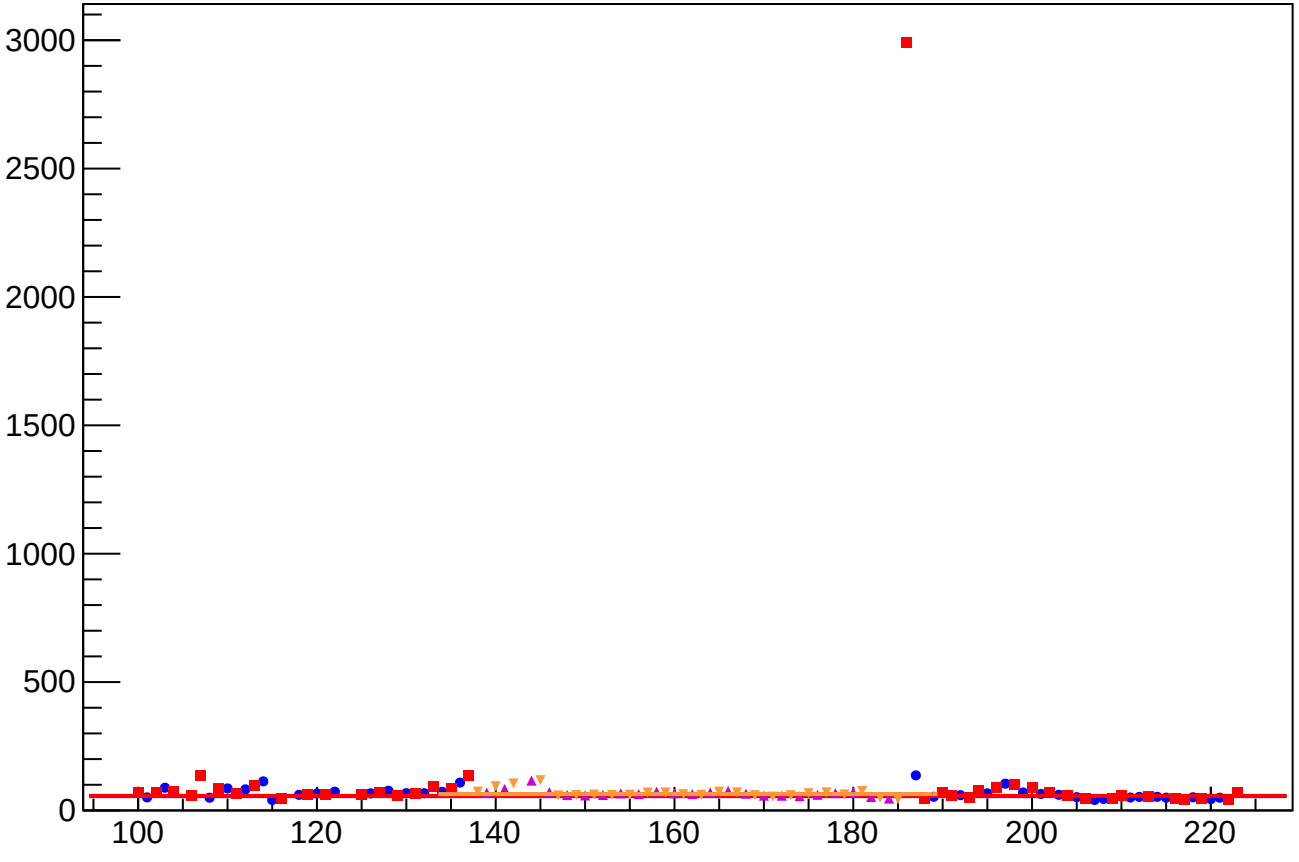
Right: -0.012+/-0.009 χ^2/NDF: 73.0/71

In: 0.001+/-0.010 χ^2/NDF:59.9/56

Out: -0.014+/-0.010 χ^2/NDF:64.8/61

All: -0.007+/-0.007 χ^2/NDF: 125.9/118

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

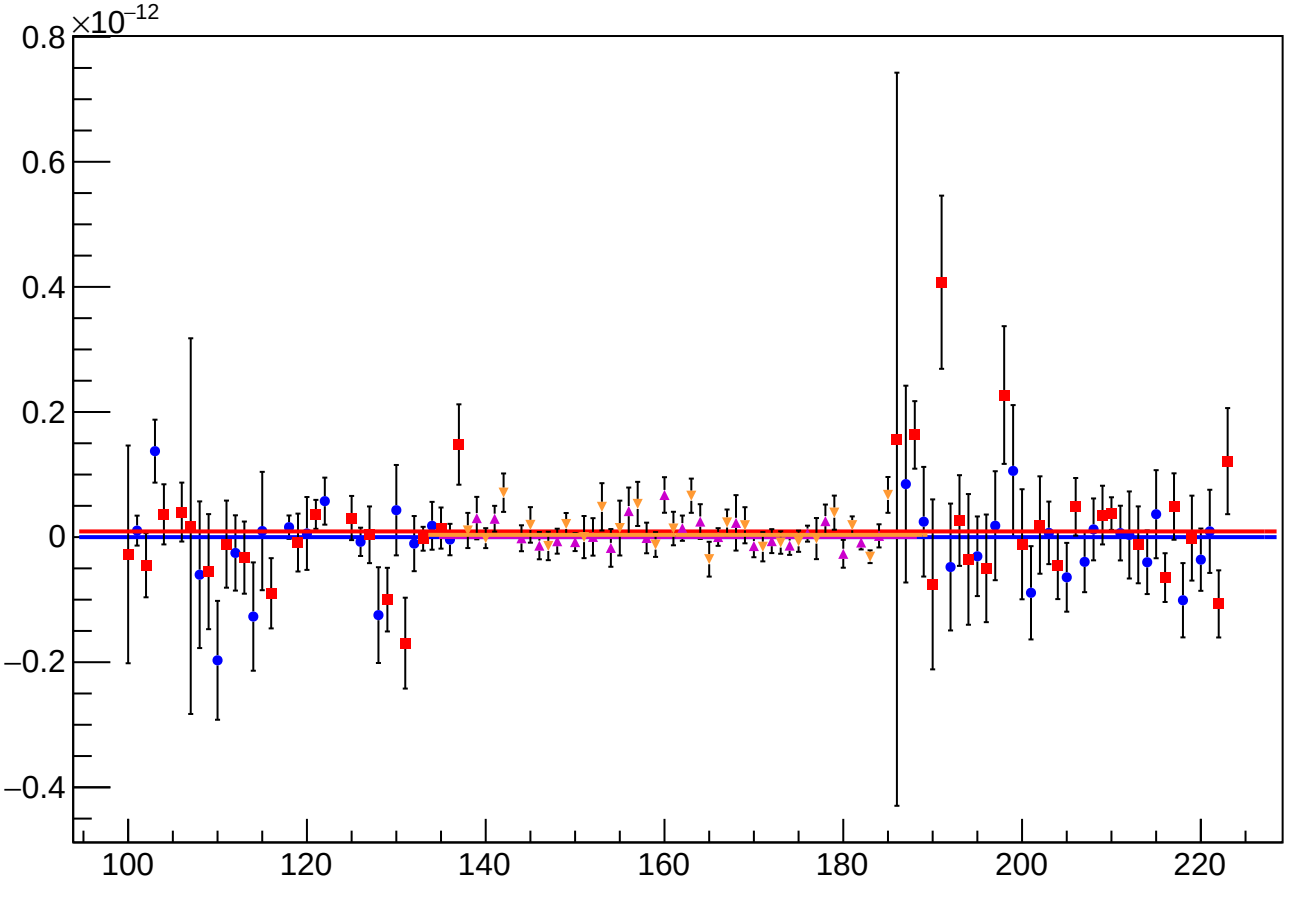
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 56.232+/-0.006 χ^2/NDF: 5486967.1/71

In: 59.097+/-0.007 χ^2/NDF:3265194.4/56

Out: 59.661+/-0.007 χ^2/NDF:4719002.4/61

All: 59.377+/-0.005 χ^2/NDF: 7987443.9/118



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

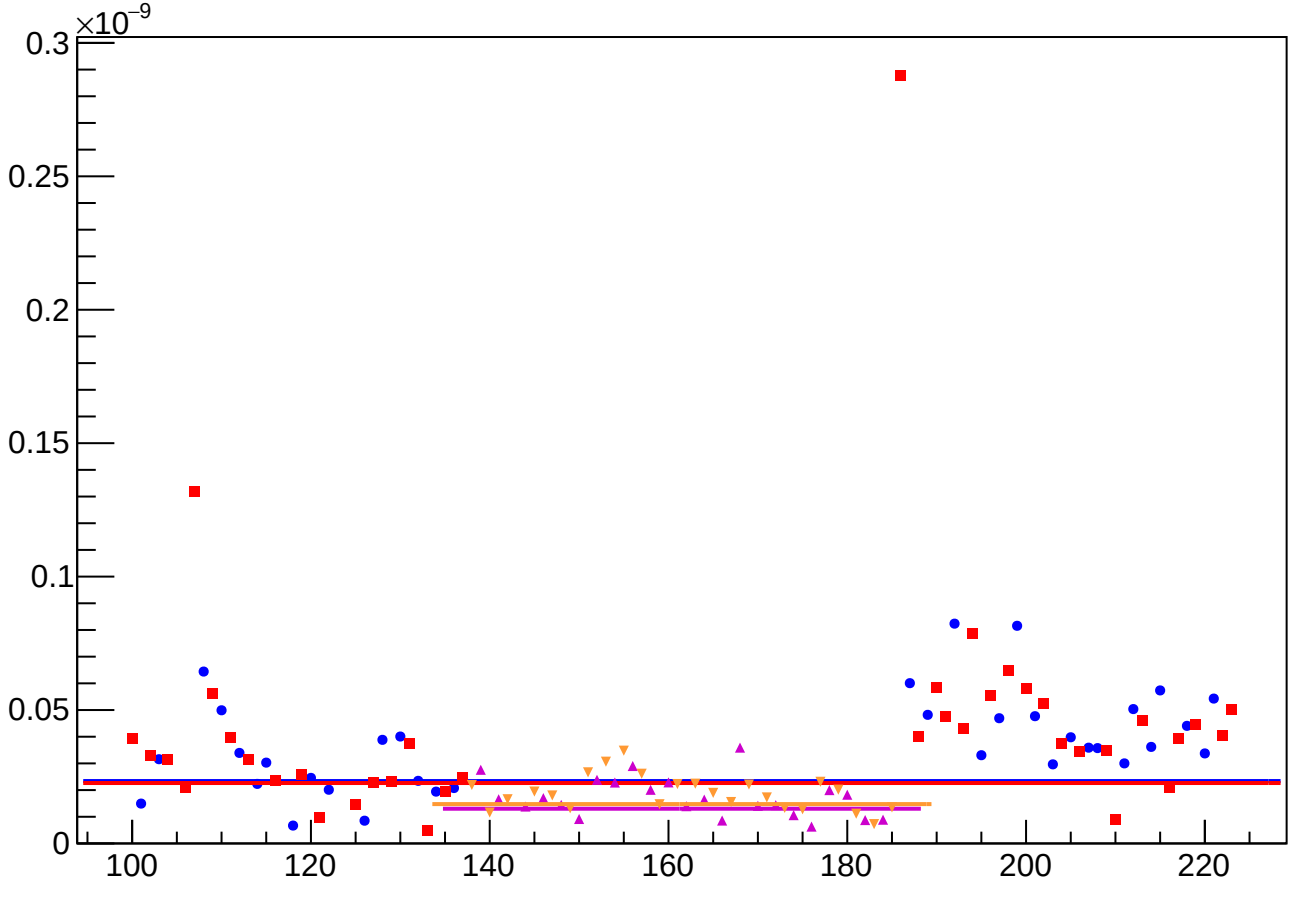
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 90.8/71

In: 0.000+/-0.000 χ^2/NDF:47.9/56

Out: 0.000+/-0.000 χ^2/NDF:100.3/61

All: 0.000+/-0.000 χ^2/NDF: 149.1/118



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

Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

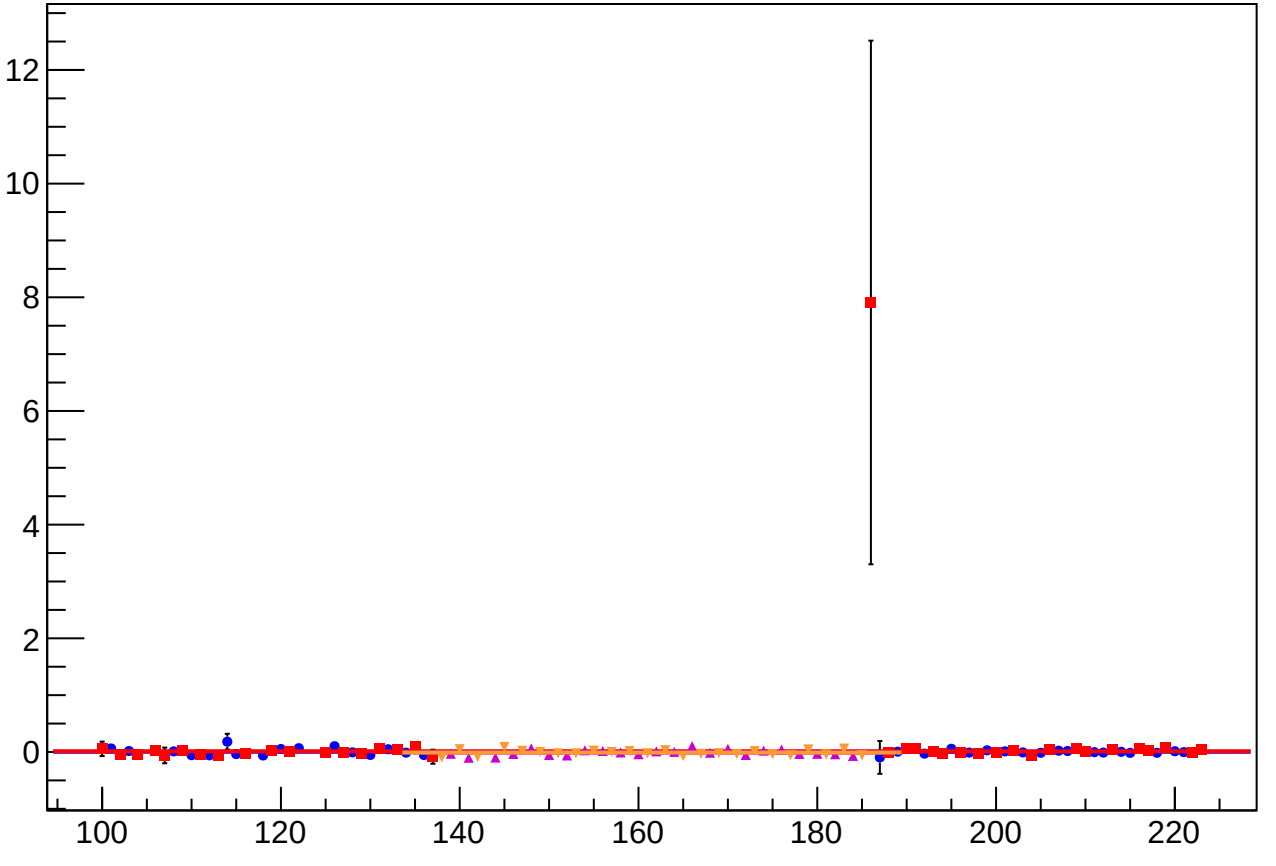
Right: 0.000+/-0.000 χ^2/NDF: 15906127.6/71

In: 0.000+/-0.000 χ^2/NDF:14329718.7/56

Out: 0.000+/-0.000 χ^2/NDF:13373176.2/61

All: 0.000+/-0.000 χ^2/NDF: 27847905.9/118

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

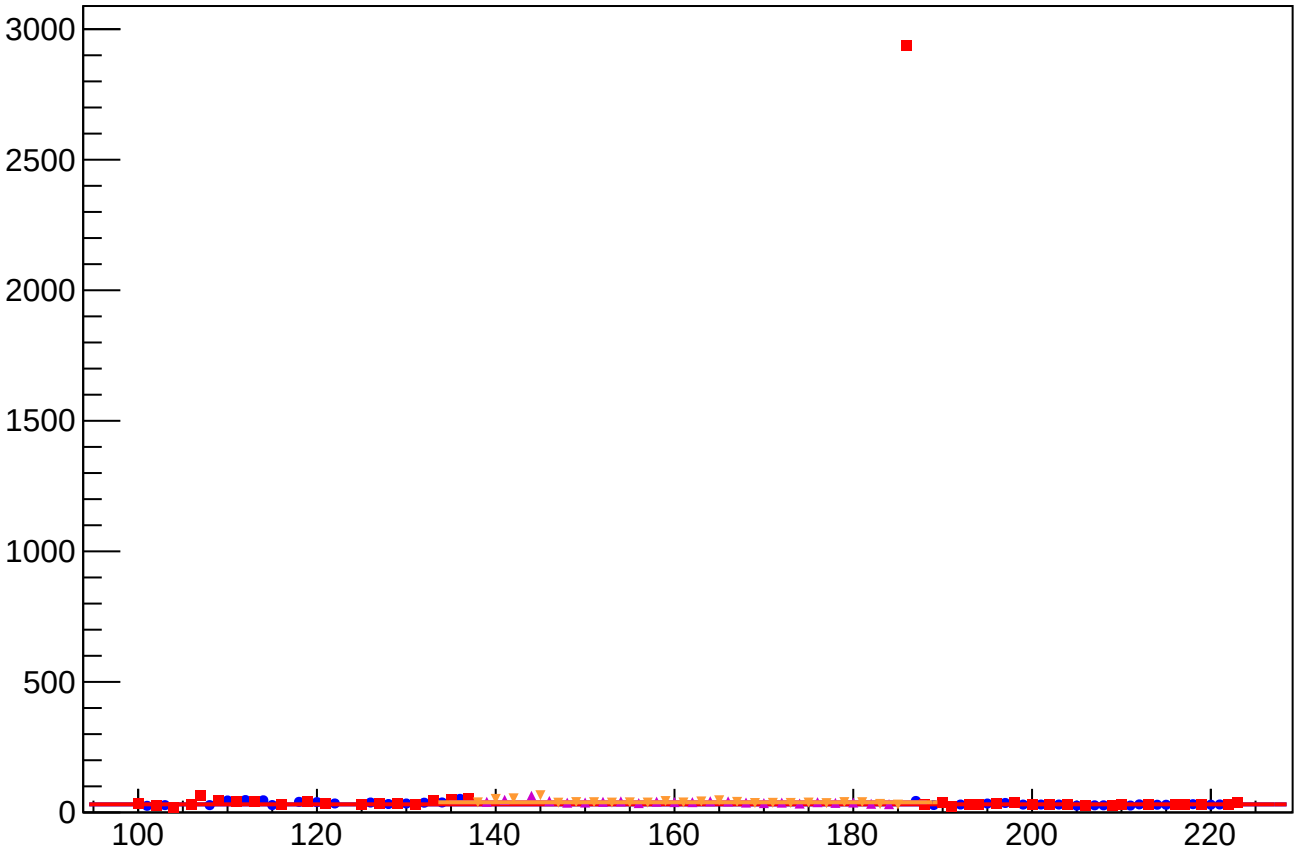
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.008+/-0.005 χ^2/NDF: 58.8/71

In: -0.001+/-0.006 χ^2/NDF:46.0/56

Out: 0.004+/-0.006 χ^2/NDF:60.1/61

All: 0.001+/-0.004 χ^2/NDF: 106.3/118



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

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

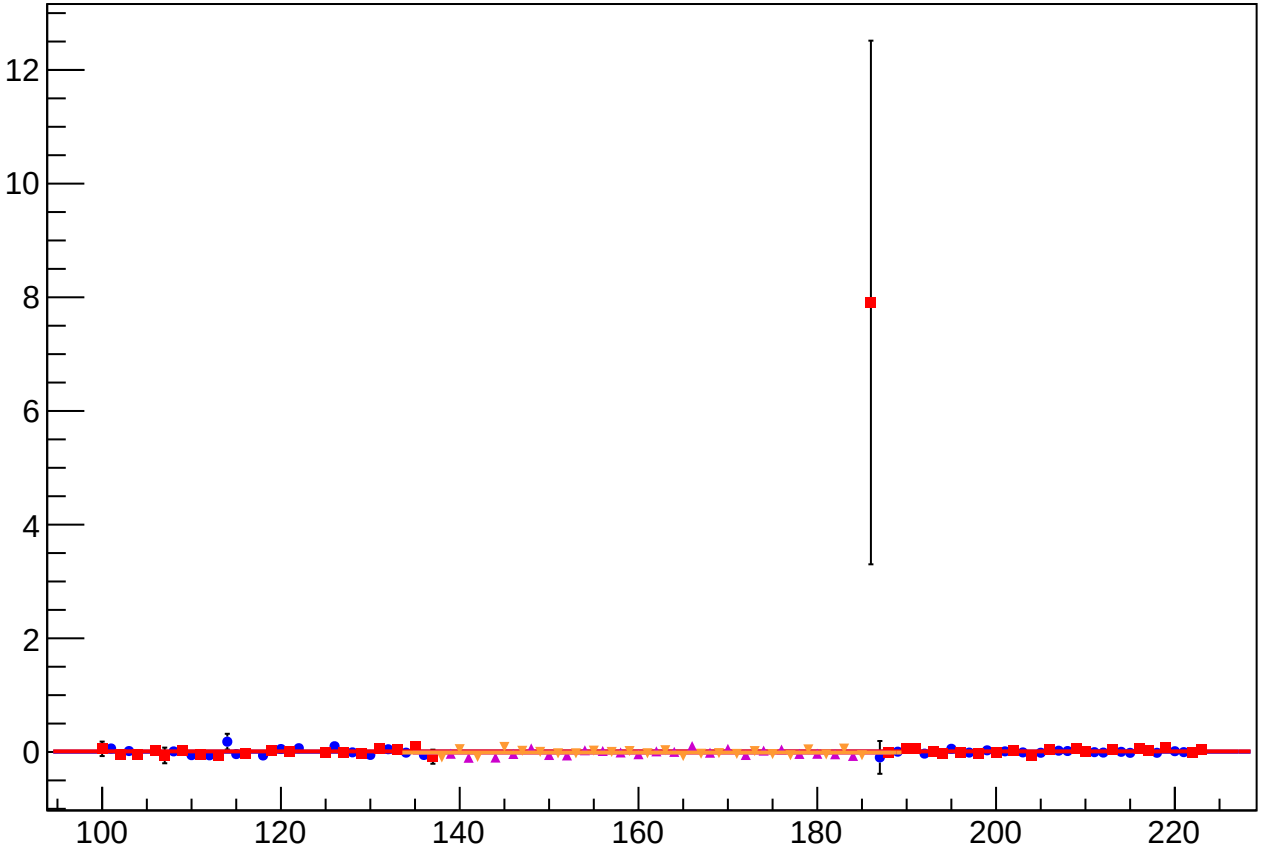
Right: 31.001+/-0.003 χ^2/NDF: 3045014.7/71

In: 33.763+/-0.004 χ^2/NDF:2482369.0/56

Out: 33.900+/-0.004 χ^2/NDF:3580100.0/61

All: 33.832+/-0.003 χ^2/NDF: 6063065.5/118

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

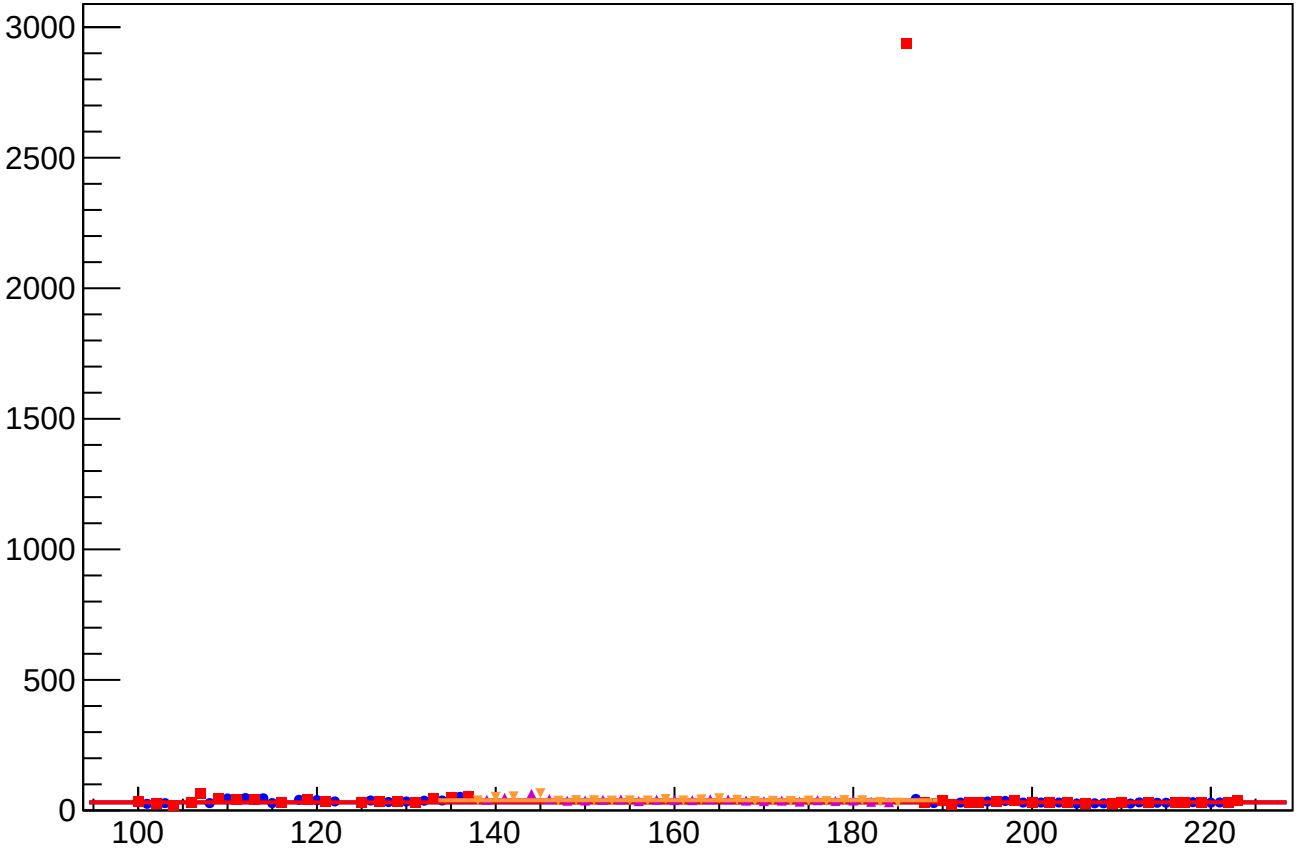
Right: 0.008+/-0.005 χ^2/NDF: 58.8/71

In: -0.001+/-0.006 χ^2/NDF:46.0/56

Out: 0.004+/-0.006 χ^2/NDF:60.1/61

All: 0.001+/-0.004 χ^2/NDF: 106.3/118

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

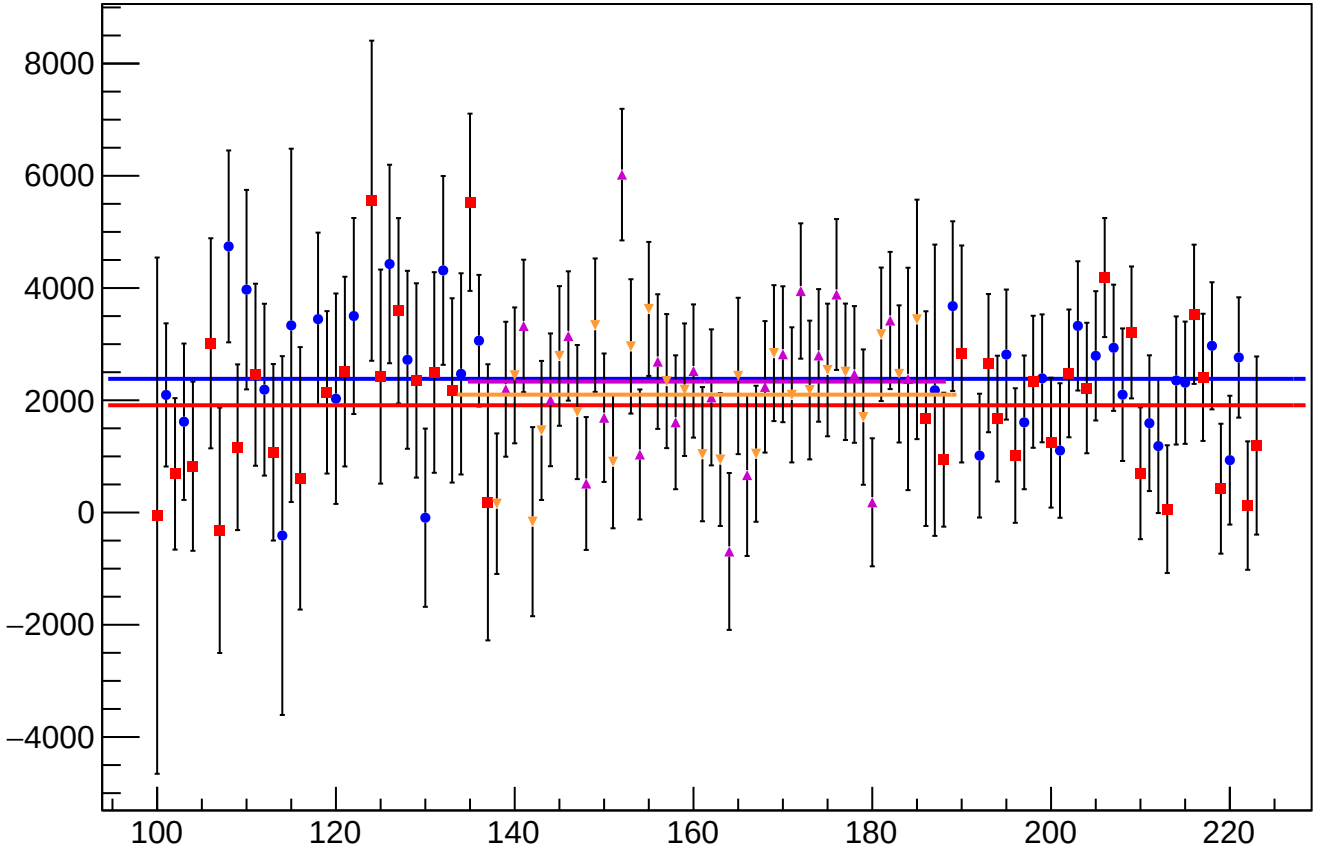
Right: 31.001+/-0.003 χ^2/NDF: 3045014.7/71

In: 33.763+/-0.004 χ^2/NDF:2482369.0/56

Out: 33.900+/-0.004 χ^2/NDF:3580100.0/61

All: 33.832+/-0.003 χ^2/NDF: 6063065.5/118

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

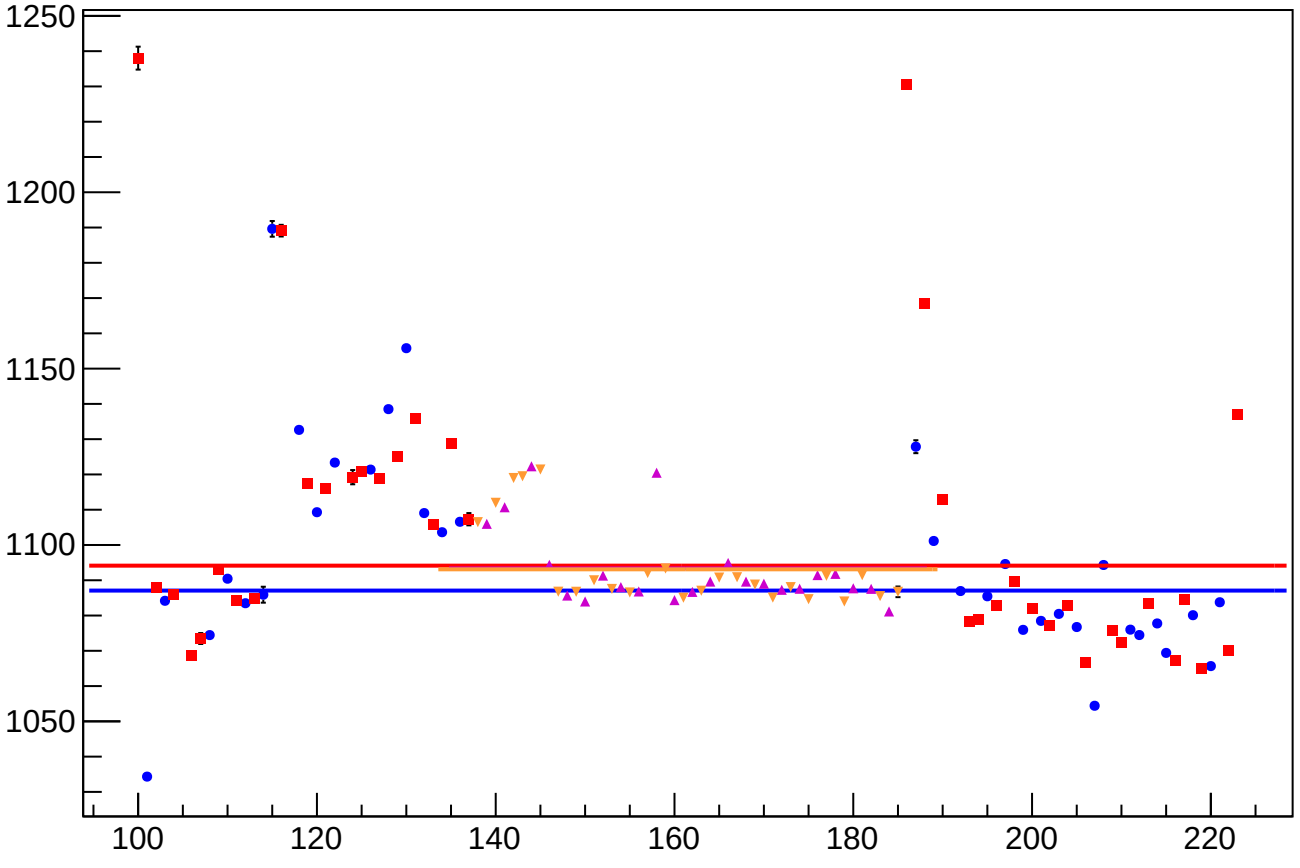
Right: 2145.110+/-162.976 χ^2/NDF: 52.0/71

In: 2359.910+/-171.396 χ^2/NDF:48.3/56

Out: 1998.552+/-168.617 χ^2/NDF:45.2/62

All: 2176.278+/-120.201 χ^2/NDF: 95.8/119

reg_asym_usr_rms vs Slug, Sign Corrected



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

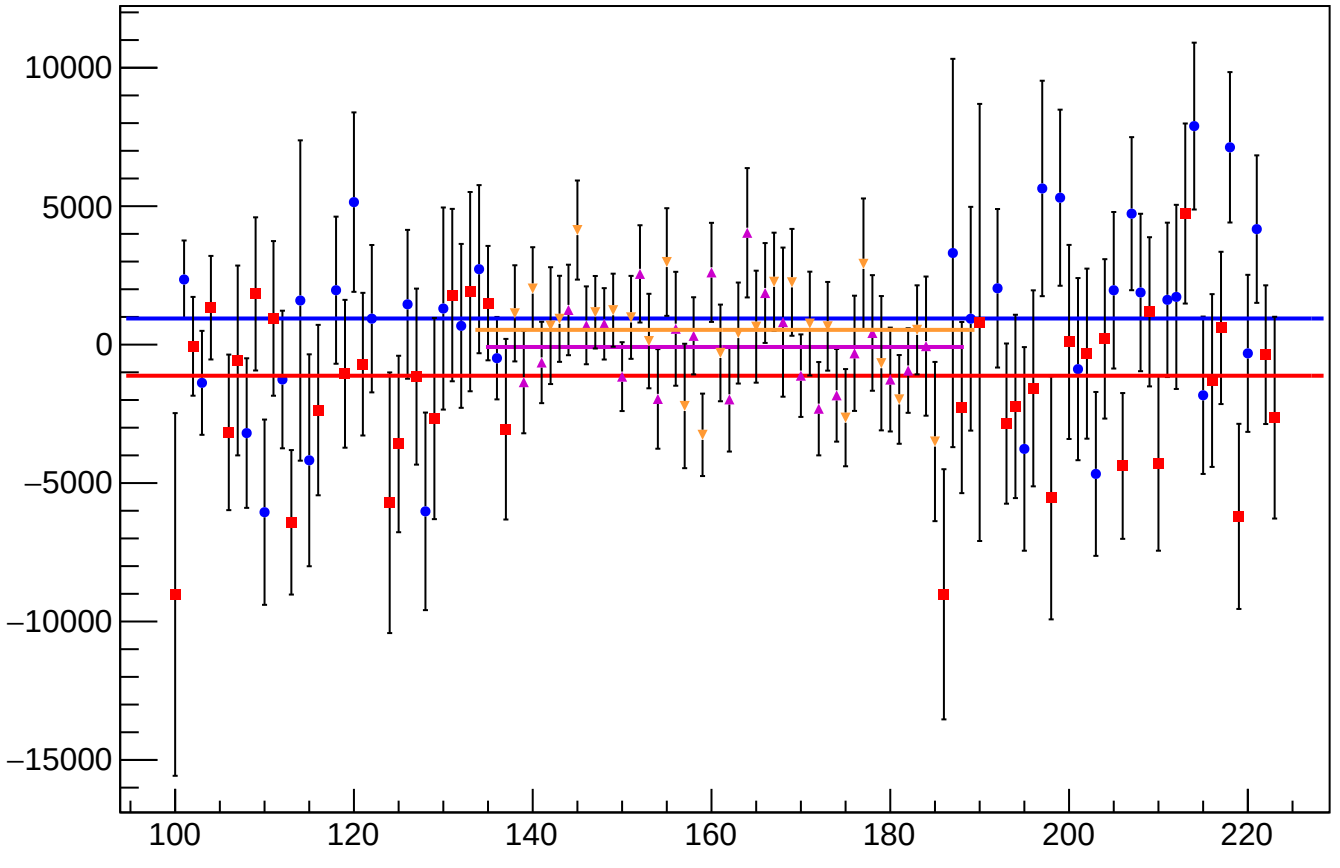
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.632+/-0.115 χ^2/NDF: 60063.2/71

In: 1089.898+/-0.121 χ^2/NDF:25500.3/56

Out: 1093.662+/-0.119 χ^2/NDF:42011.8/62

All: 1091.811+/-0.085 χ^2/NDF: 68002.5/119



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

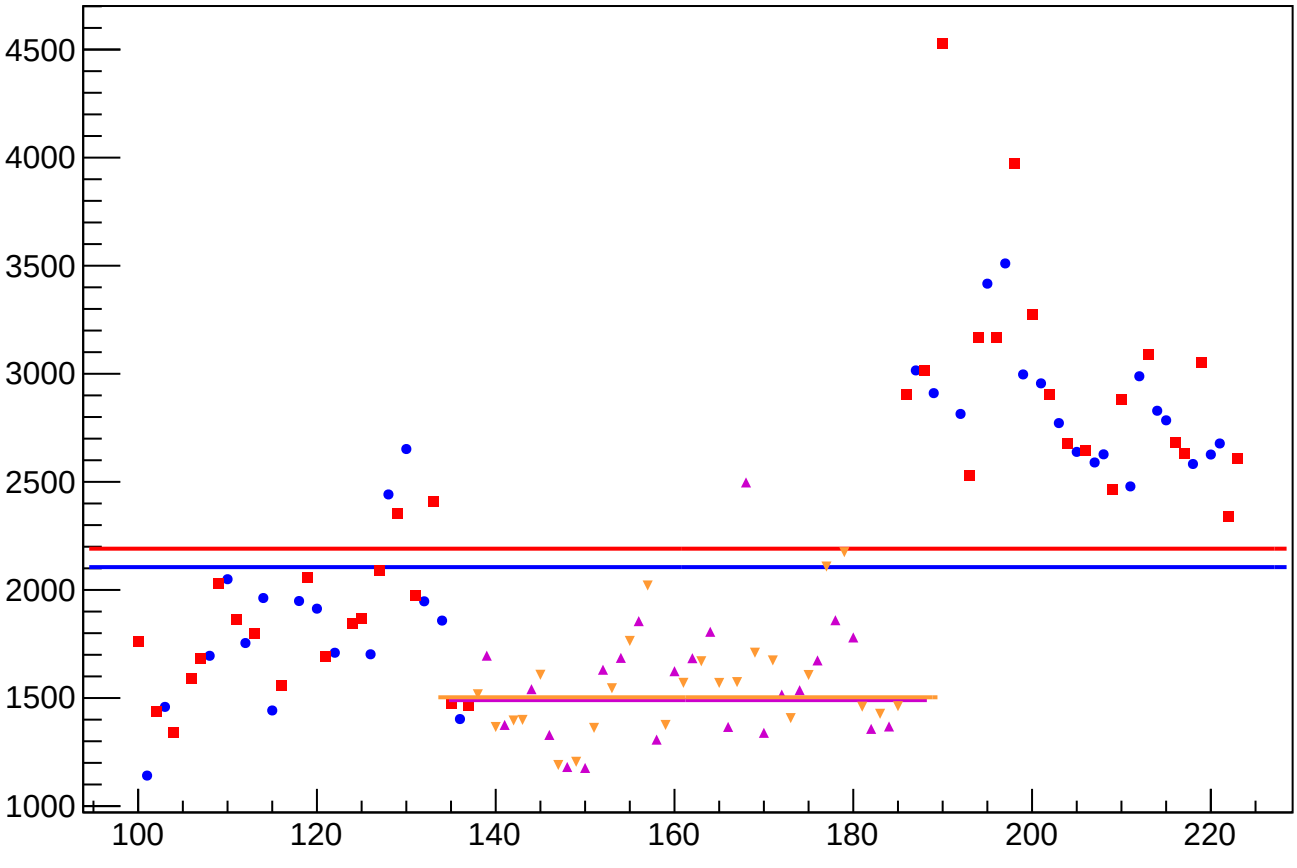
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -68.743+/-336.702 χ^2/NDF: 82.7/71

In: 285.691+/-283.033 χ^2/NDF:64.4/56

Out: -34.333+/-281.552 χ^2/NDF:64.2/62

All: 124.839+/-199.609 χ^2/NDF: 129.3/119



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

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

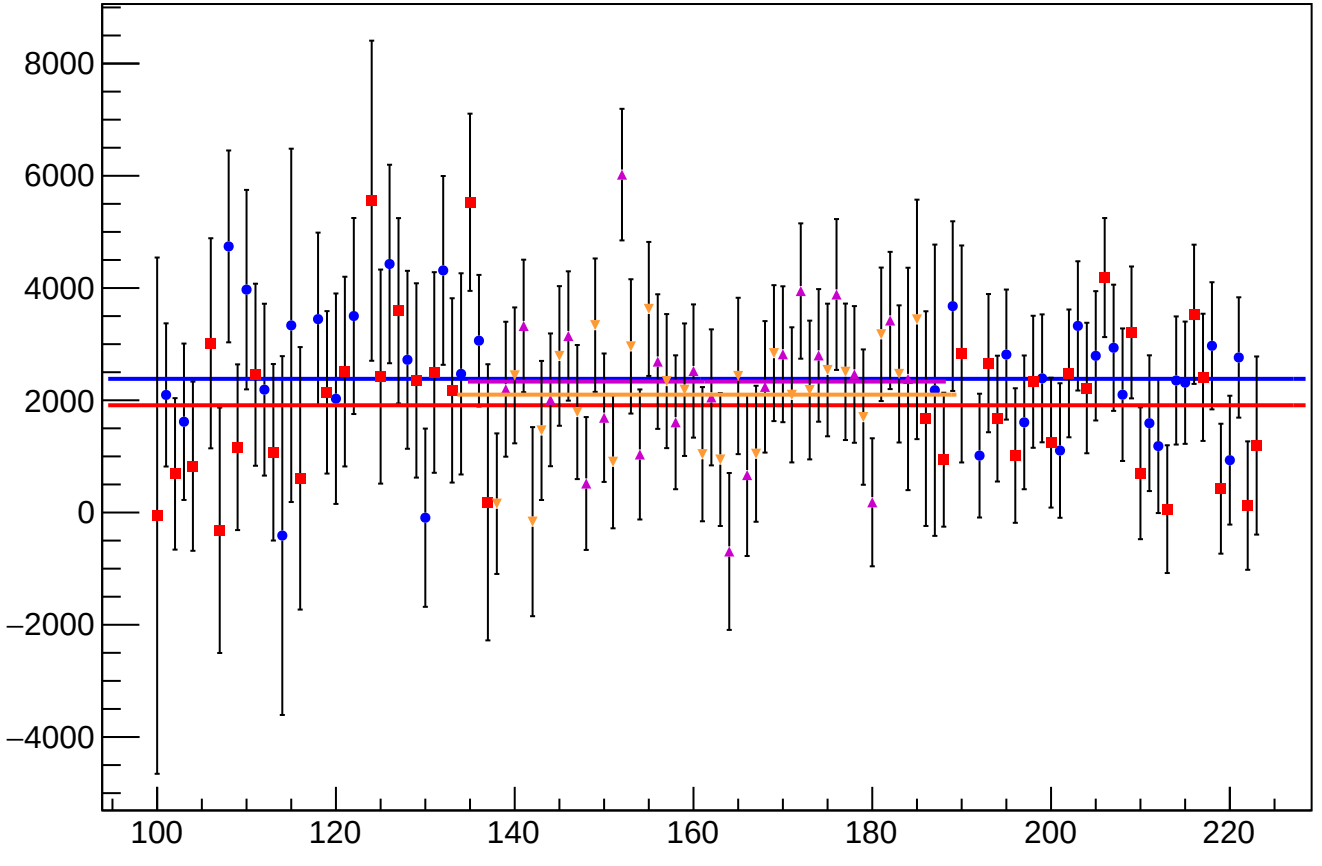
Right: 2147.380+/-0.238 χ^2/NDF: 7510218.5/71

In: 1712.126+/-0.200 χ^2/NDF:7069714.9/56

Out: 1738.893+/-0.199 χ^2/NDF:7040432.9/62

All: 1725.580+/-0.141 χ^2/NDF: 14119138.3/1

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

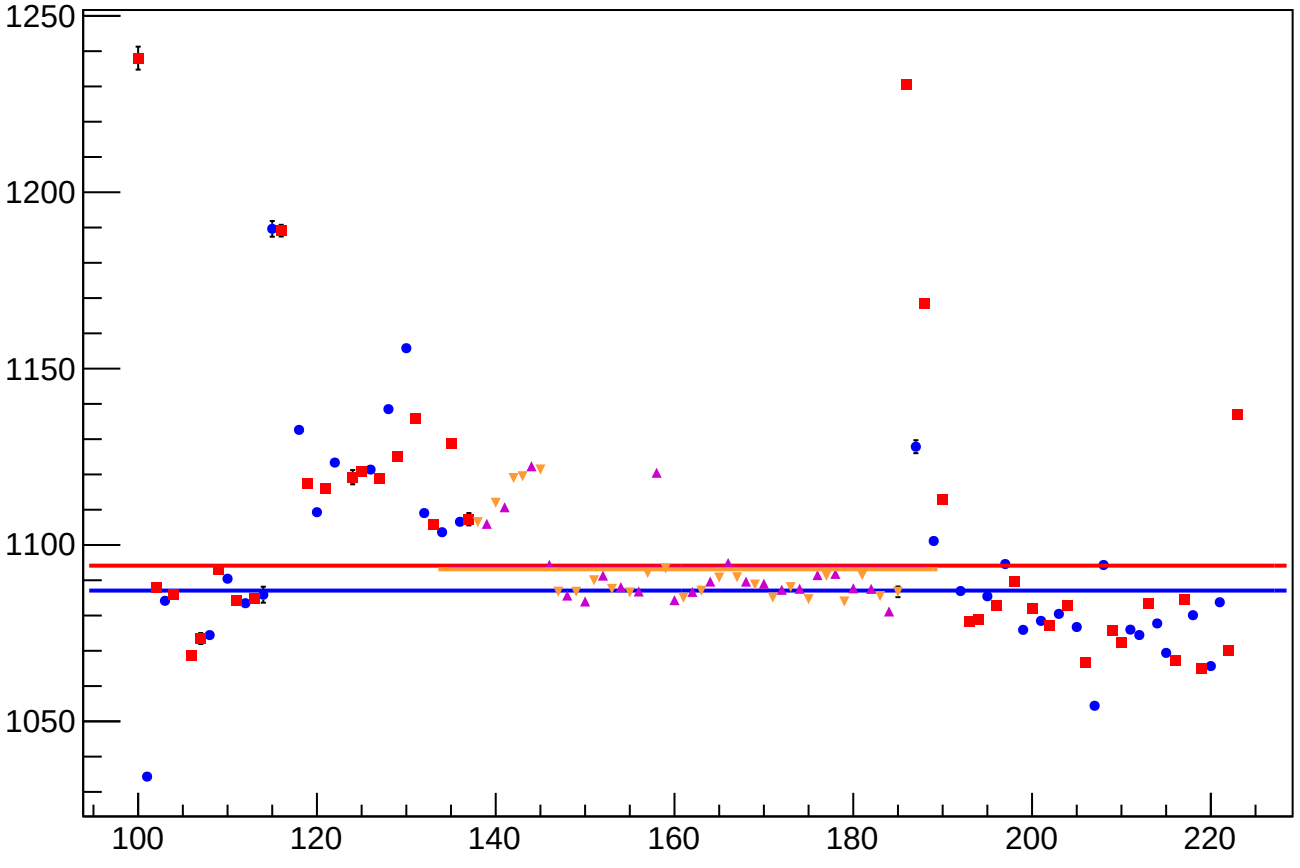
Right: 2145.110+/-162.976 χ^2/NDF: 52.0/71

In: 2359.910+/-171.396 χ^2/NDF:48.3/56

Out: 1998.552+/-168.617 χ^2/NDF:45.2/62

All: 2176.278+/-120.201 χ^2/NDF: 95.8/119

cor_asym_usr_rms vs Slug, Sign Corrected



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

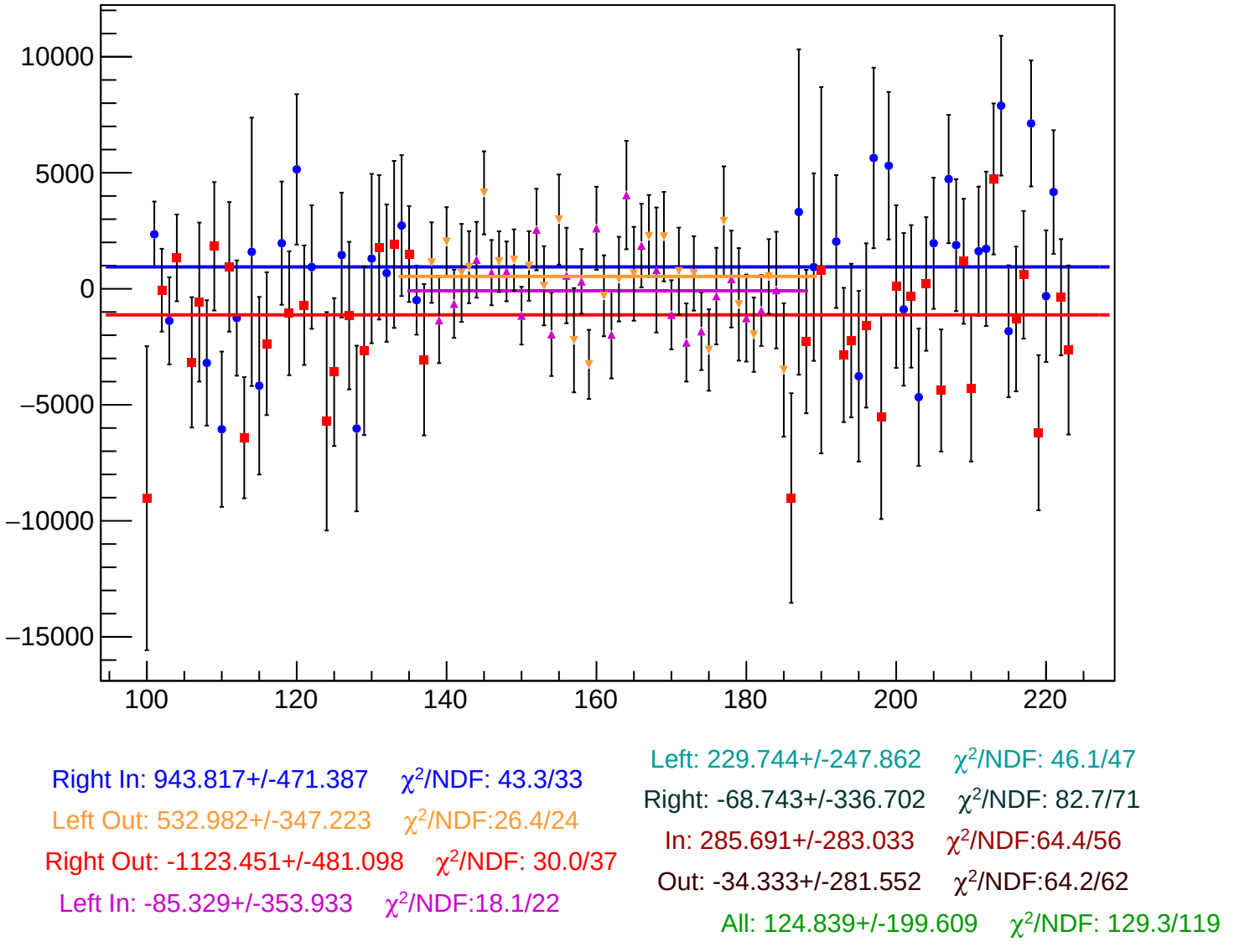
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.632+/-0.115 χ^2/NDF: 60063.2/71

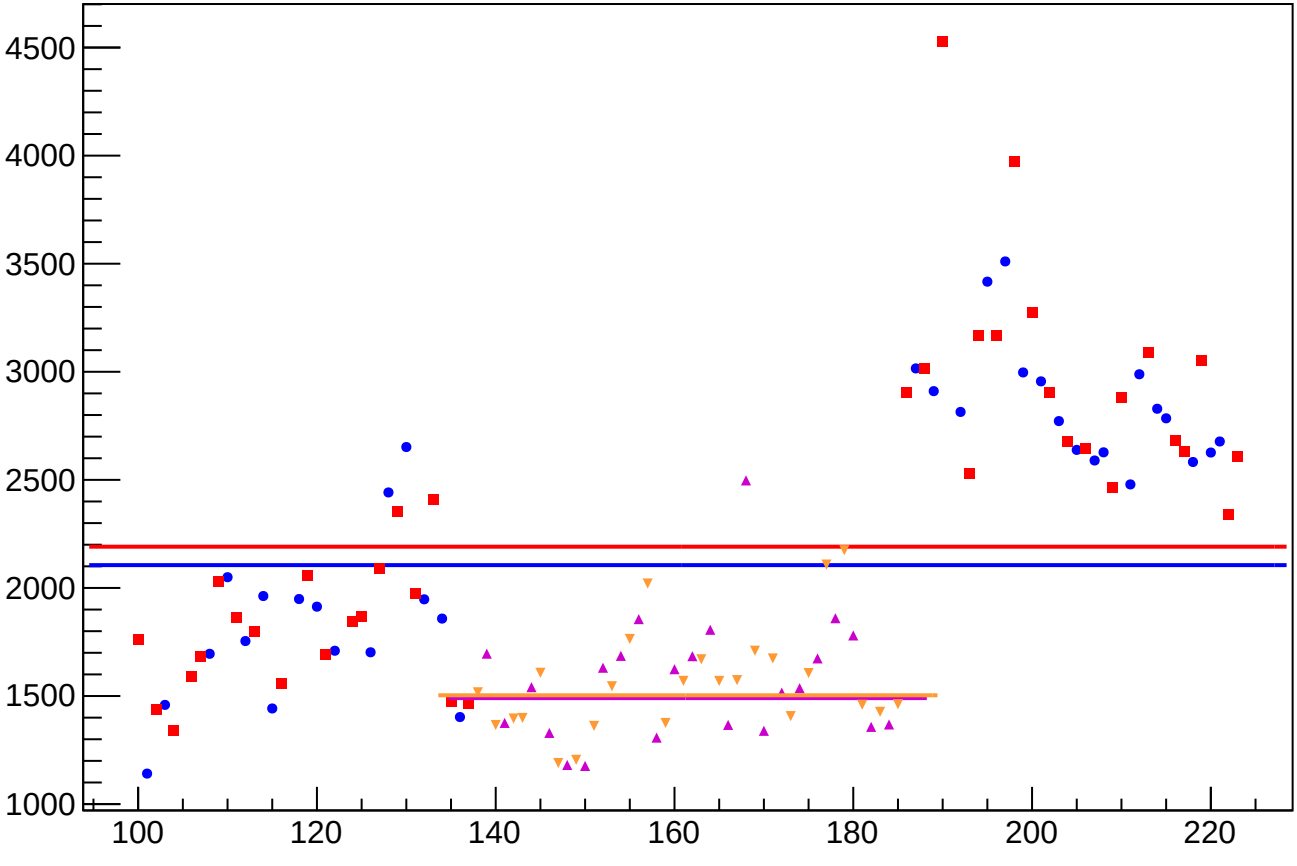
In: 1089.898+/-0.121 χ^2/NDF:25500.3/56

Out: 1093.662+/-0.119 χ^2/NDF:42011.8/62

All: 1091.811+/-0.085 χ^2/NDF: 68002.5/119


asym_usr_cor_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 943.817+/-471.387 χ²/NDF: 43.3/33
Left Out: 532.982+/-347.223 χ²/NDF:26.4/24
Right Out: -1123.451+/-481.098 χ²/NDF: 30.0/37
Left In: -85.329+/-353.933 χ²/NDF:18.1/22
Left: 229.744+/-247.862 χ²/NDF: 46.1/47
Right: -68.743+/-336.702 χ²/NDF: 82.7/71
In: 285.691+/-283.033 χ²/NDF:64.4/56
Out: -34.333+/-281.552 χ²/NDF:64.2/62
All: 124.839+/-199.609 χ²/NDF: 129.3/119

asym_usr_cor_correction_rms vs Slug, Sign Corrected



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

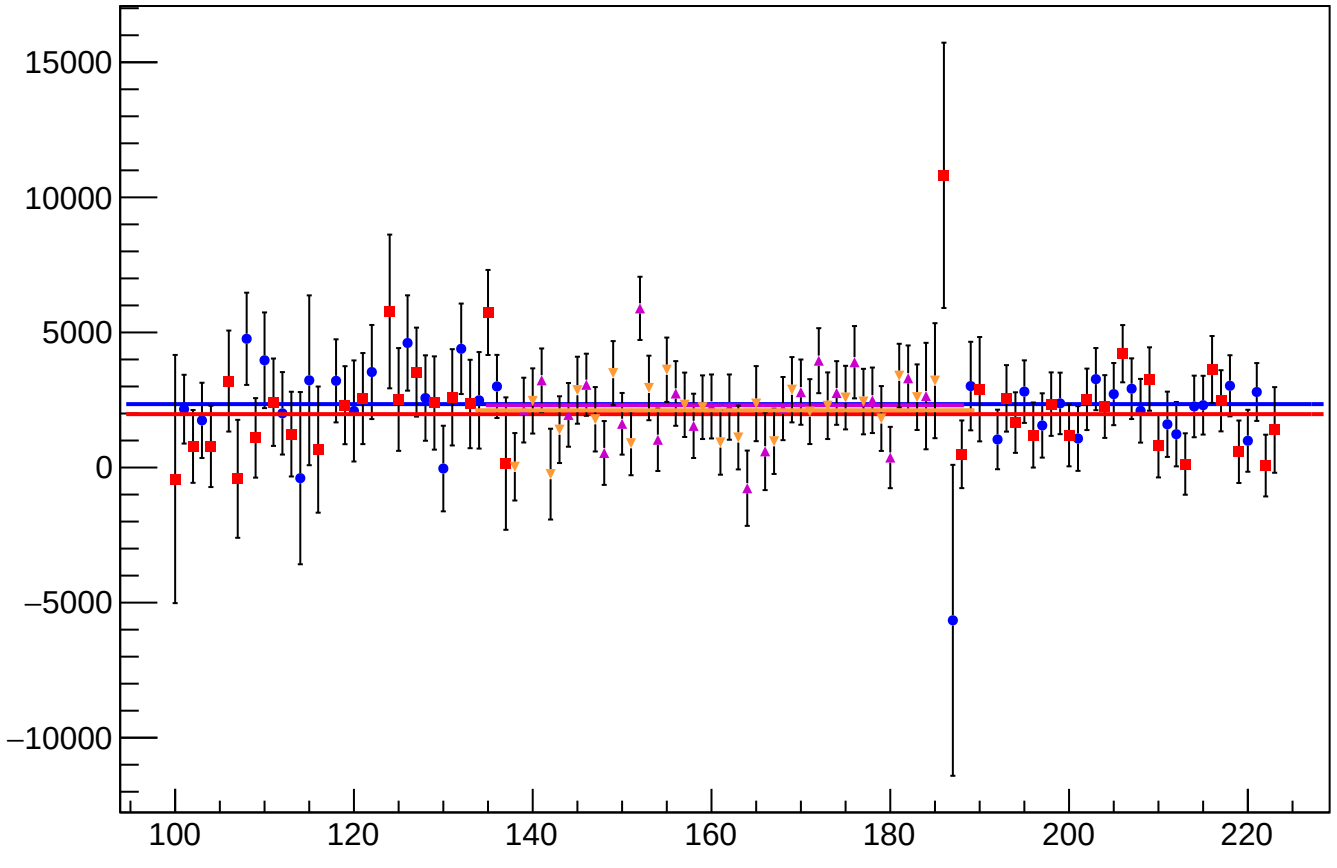
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2147.380+/-0.238 χ^2/NDF: 7510218.5/71

In: 1712.126+/-0.200 χ^2/NDF:7069714.9/56

Out: 1738.893+/-0.199 χ^2/NDF:7040432.9/62

All: 1725.580+/-0.141 χ^2/NDF: 14119138.3/1



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

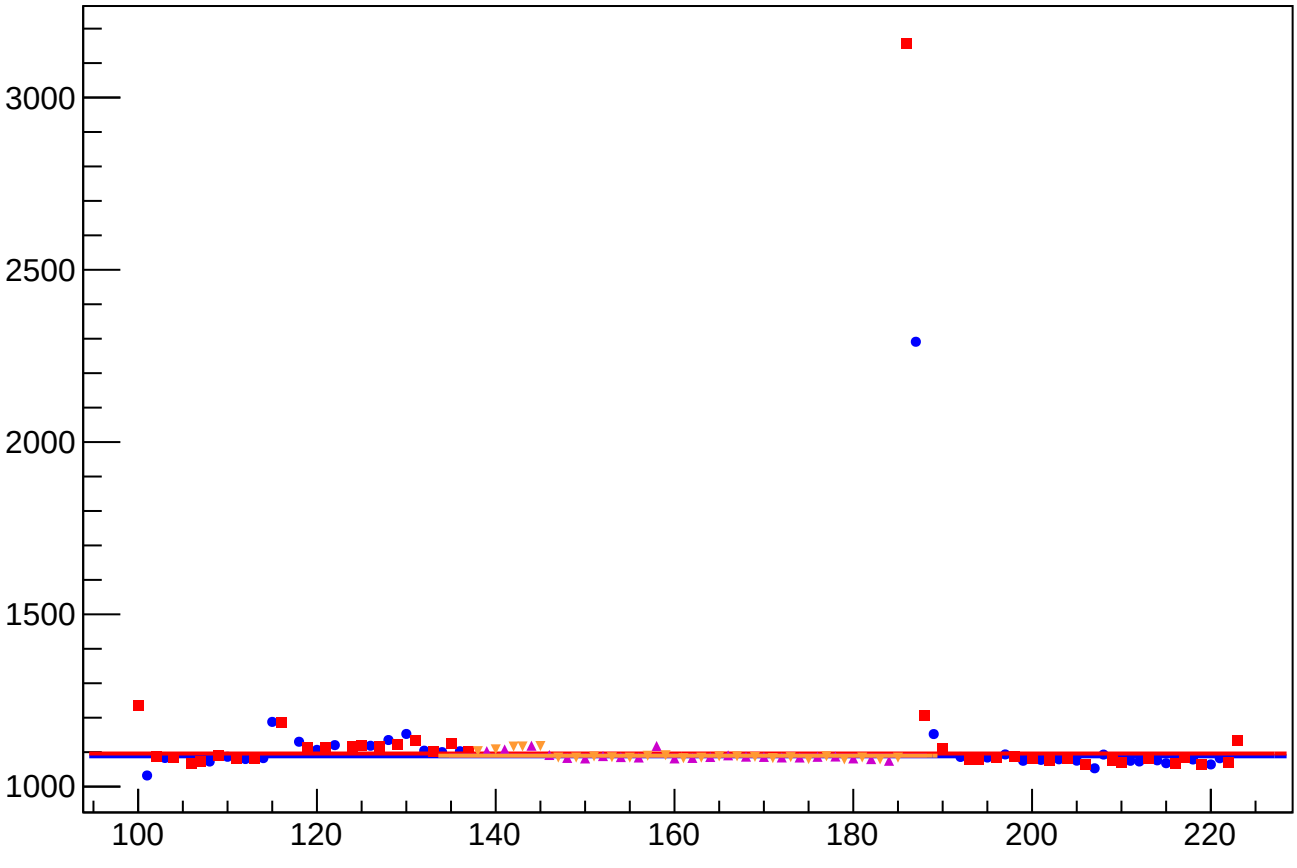
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2161.005+/-163.781 χ^2/NDF: 57.0/71

In: 2328.233+/-171.468 χ^2/NDF:48.4/56

Out: 2043.156+/-168.967 χ^2/NDF:51.1/62

All: 2183.601+/-120.352 χ^2/NDF: 100.9/119



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

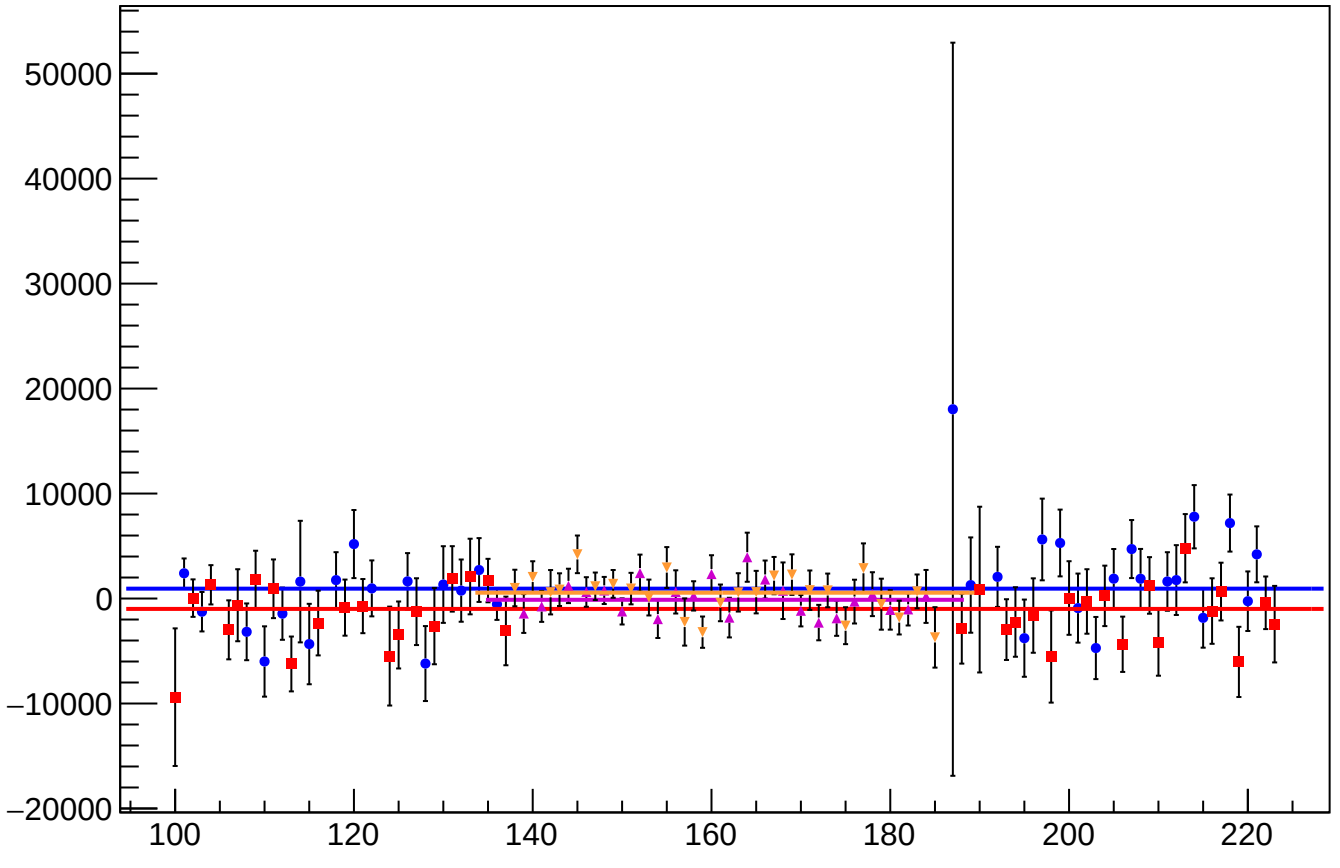
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1092.013+/-0.116 χ^2/NDF: 500015.3/71

In: 1088.856+/-0.121 χ^2/NDF:114605.3/56

Out: 1093.118+/-0.119 χ^2/NDF:392897.9/62

All: 1091.018+/-0.085 χ^2/NDF: 508130.0/119



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

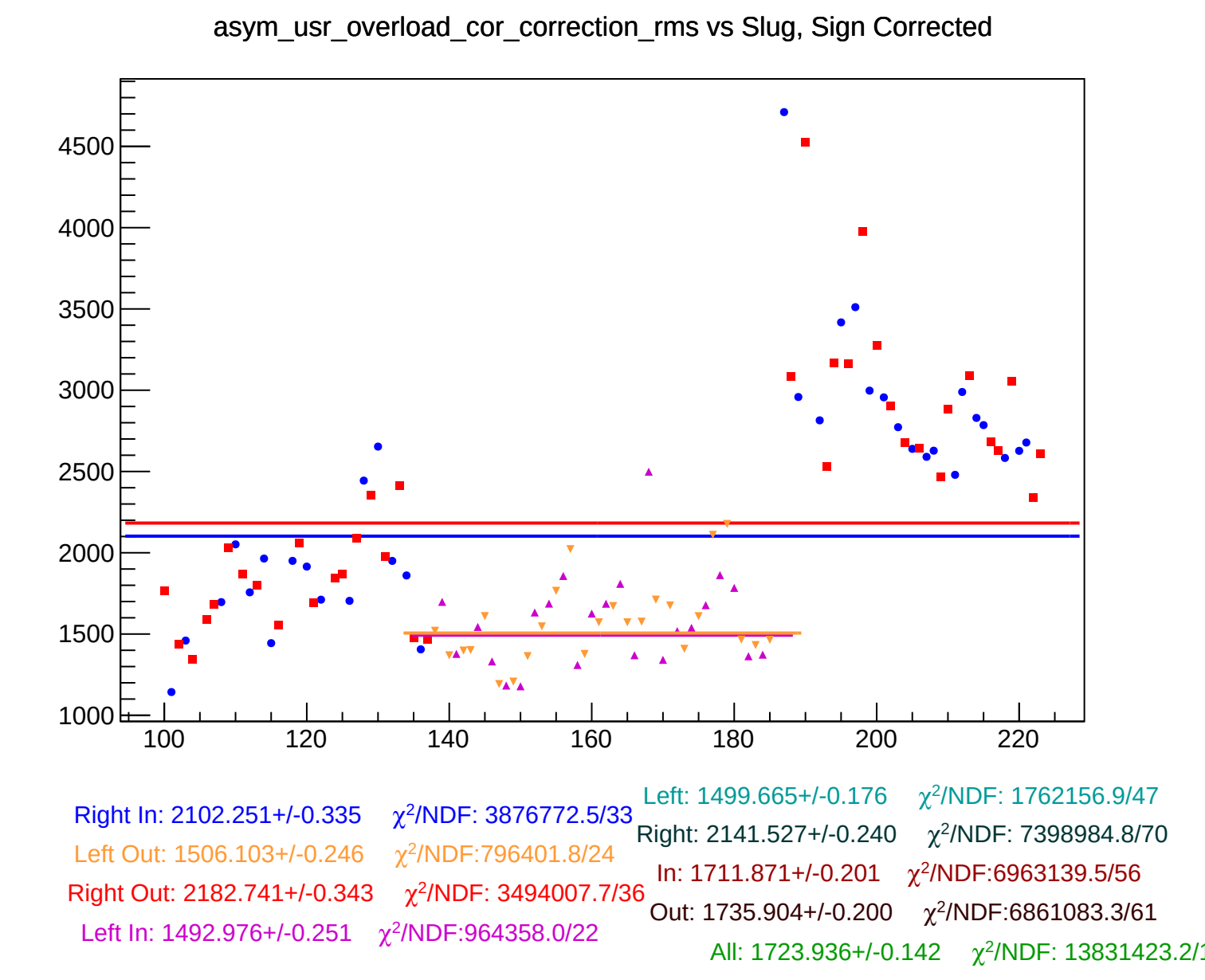
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -1.461+/-338.797 χ^2/NDF: 78.7/70

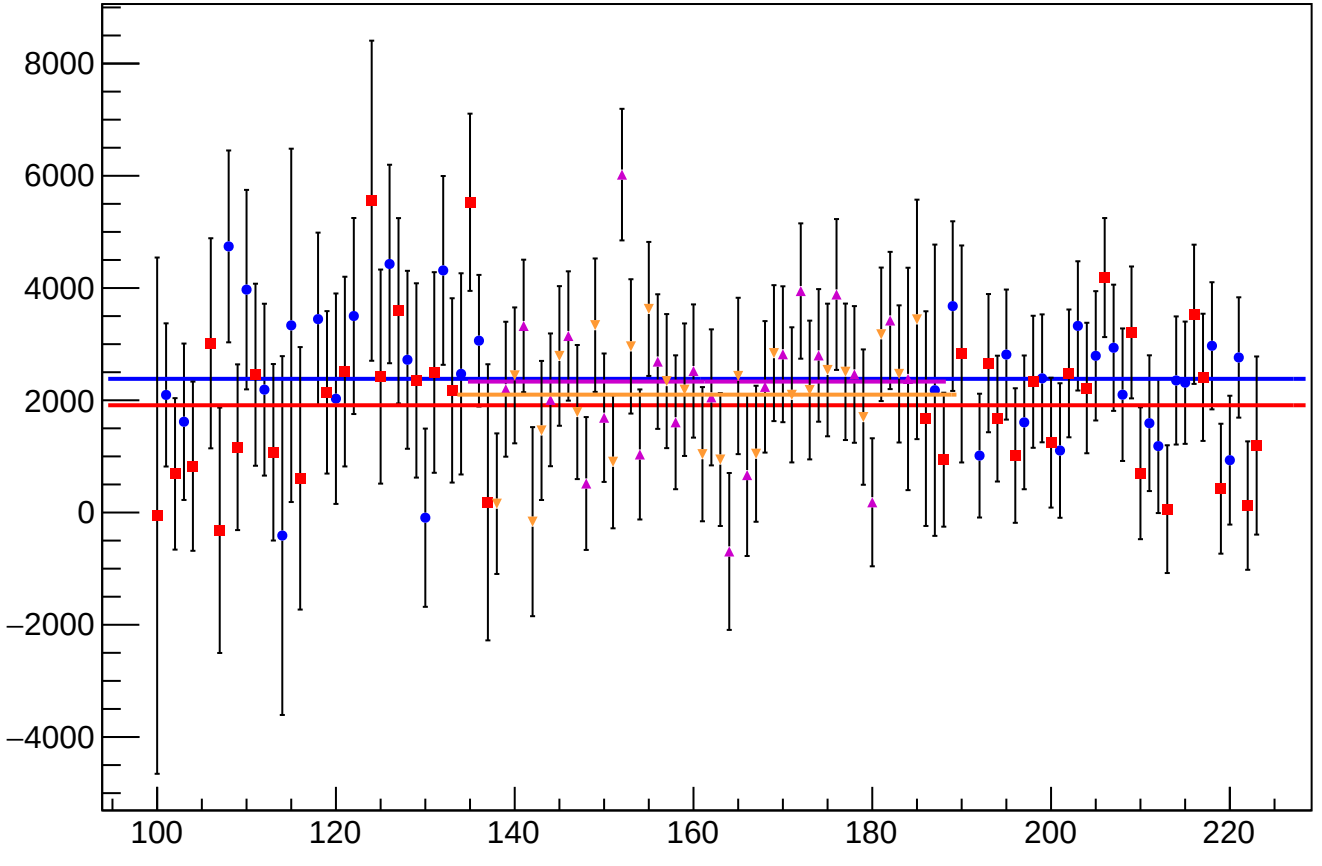
In: 260.038+/-283.794 χ^2/NDF:64.0/56

Out: 29.568+/-282.645 χ^2/NDF:59.7/61

All: 144.335+/-200.265 χ^2/NDF: 124.1/118


asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 2102.251+/-0.335 χ²/NDF: 3876772.5/33
Left Out: 1506.103+/-0.246 χ²/NDF:796401.8/24
Right Out: 2182.741+/-0.343 χ²/NDF: 3494007.7/36
Left In: 1492.976+/-0.251 χ²/NDF:964358.0/22
Left: 1499.665+/-0.176 χ²/NDF: 1762156.9/47
Right: 2141.527+/-0.240 χ²/NDF: 7398984.8/70
In: 1711.871+/-0.201 χ²/NDF:6963139.5/56
Out: 1735.904+/-0.200 χ²/NDF:6861083.3/61
All: 1723.936+/-0.142 χ²/NDF: 13831423.2/

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



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

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

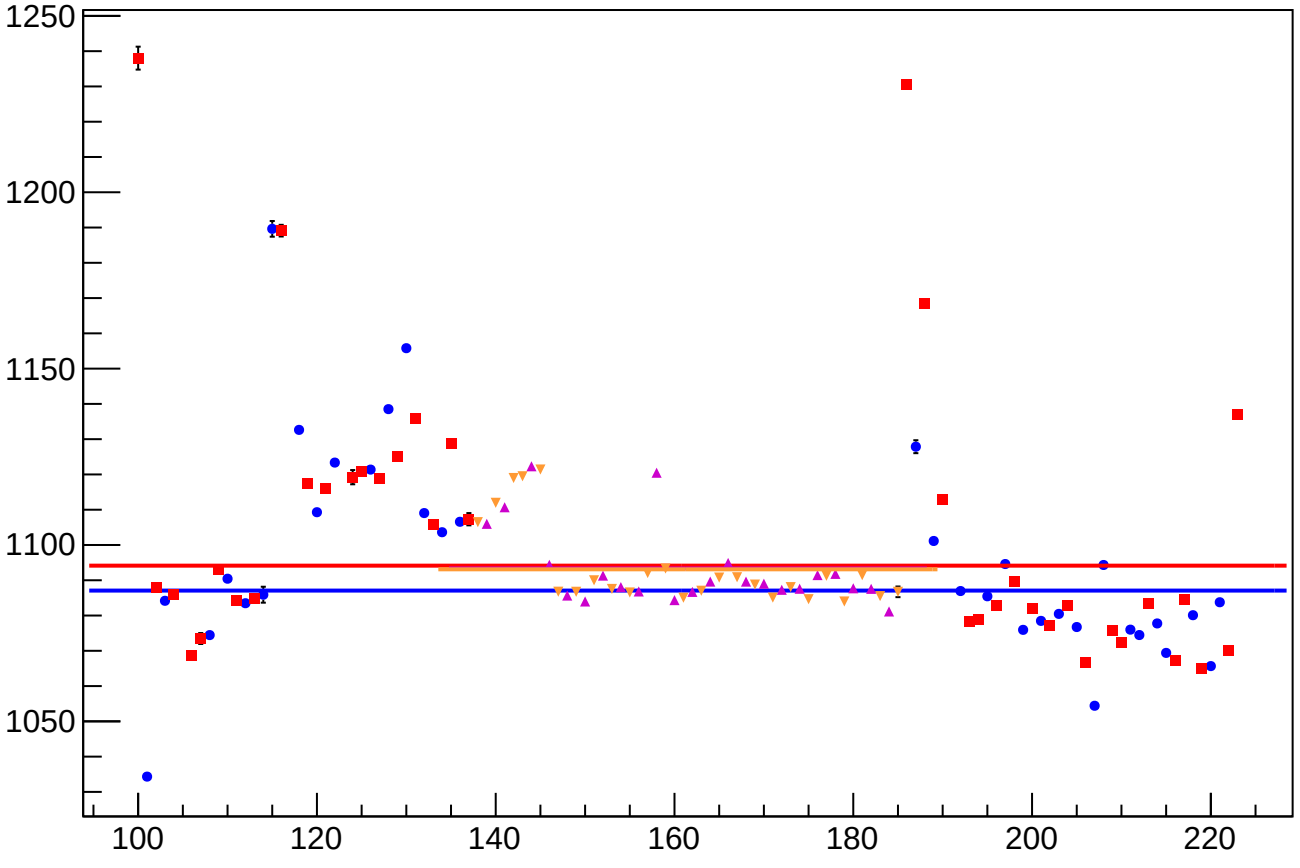
Right: 2145.110+/-162.976 χ^2/NDF: 52.0/71

In: 2359.910+/-171.396 χ^2/NDF:48.3/56

Out: 1998.552+/-168.617 χ^2/NDF:45.2/62

All: 2176.278+/-120.201 χ^2/NDF: 95.8/119

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



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

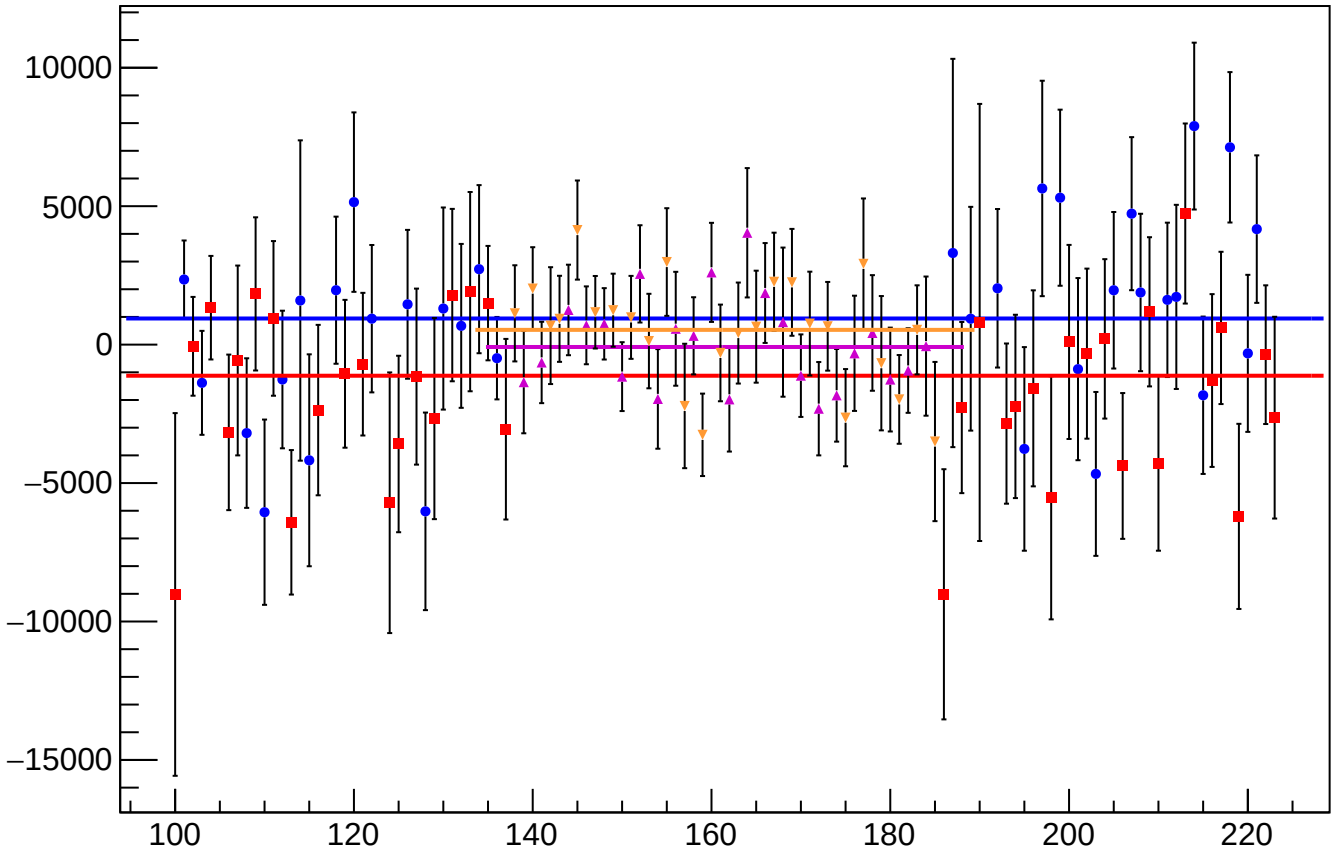
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.632+/-0.115 χ^2/NDF: 60063.2/71

In: 1089.898+/-0.121 χ^2/NDF:25500.3/56

Out: 1093.662+/-0.119 χ^2/NDF:42011.8/62

All: 1091.811+/-0.085 χ^2/NDF: 68002.5/119



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

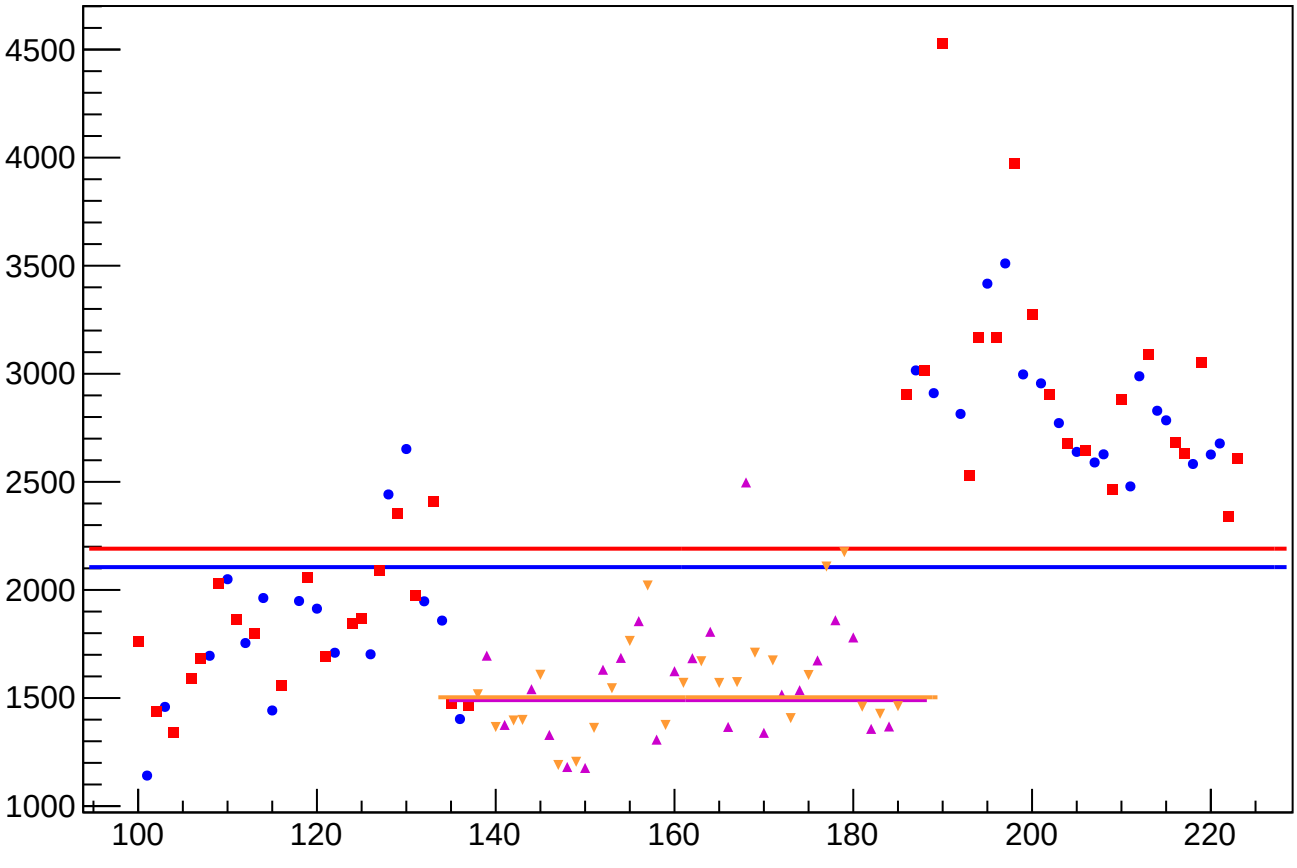
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -68.743+/-336.702 χ^2/NDF: 82.7/71

In: 285.691+/-283.033 χ^2/NDF:64.4/56

Out: -34.333+/-281.552 χ^2/NDF:64.2/62

All: 124.839+/-199.609 χ^2/NDF: 129.3/119



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

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

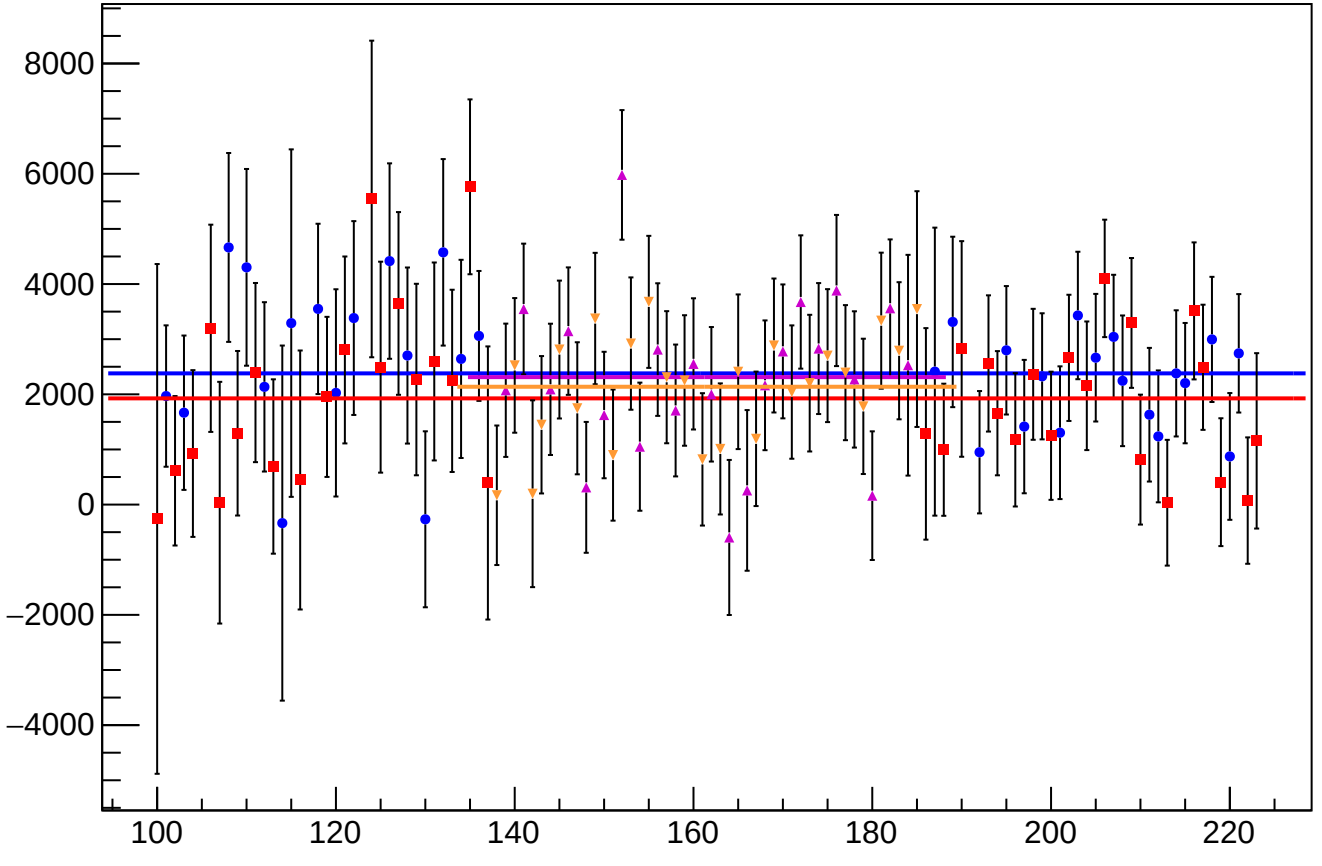
Right: 2147.380+/-0.238 χ^2/NDF: 7510218.5/71

In: 1712.126+/-0.200 χ^2/NDF:7069714.9/56

Out: 1738.893+/-0.199 χ^2/NDF:7040432.9/62

All: 1725.580+/-0.141 χ^2/NDF: 14119138.3/1

dit_asym_usr_mean vs Slug, Sign Corrected



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

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

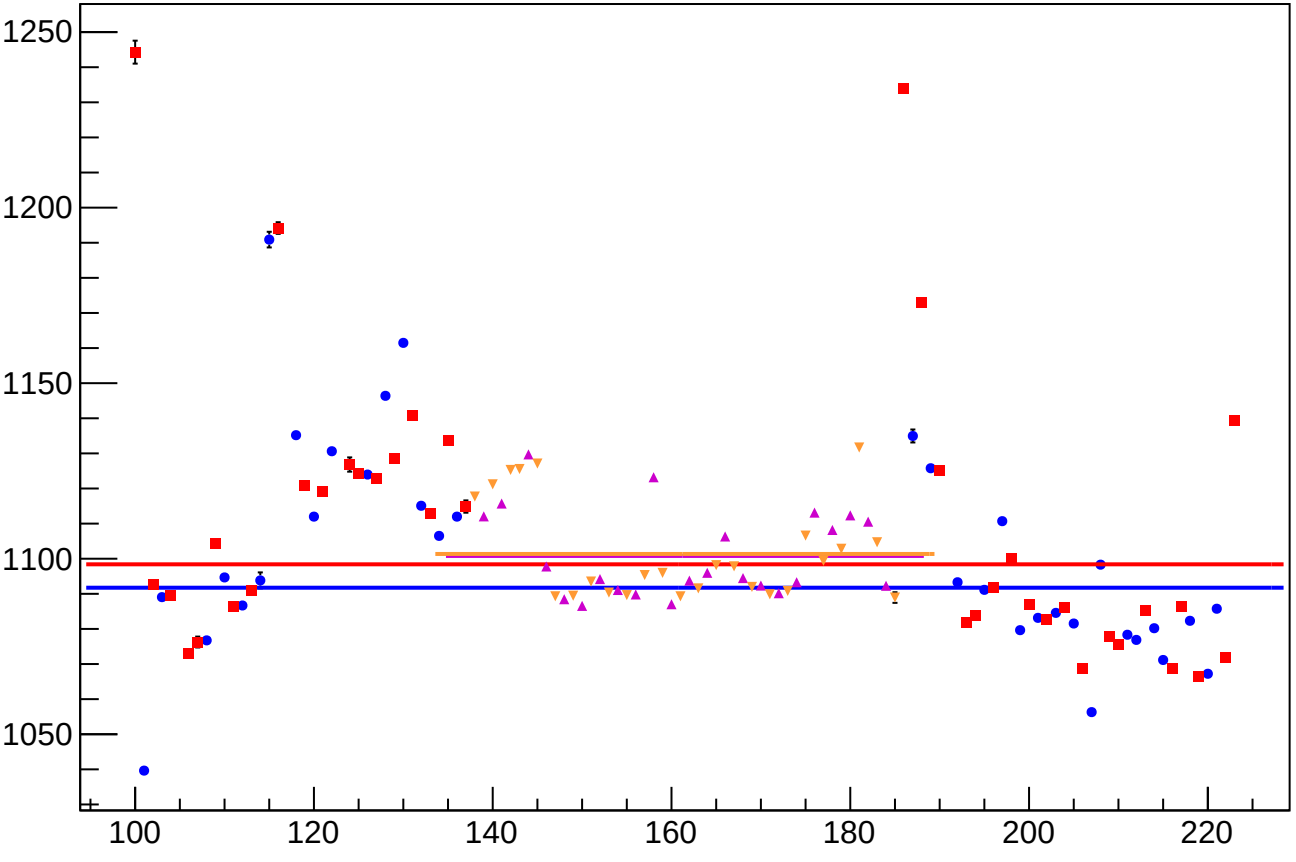
Right: 2151.539+/-163.658 χ^2/NDF: 53.1/71

In: 2349.290+/-172.335 χ^2/NDF:49.5/56

Out: 2023.216+/-169.573 χ^2/NDF:46.0/62

All: 2183.619+/-120.871 χ^2/NDF: 97.3/119

dit_asym_usr_rms vs Slug, Sign Corrected



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

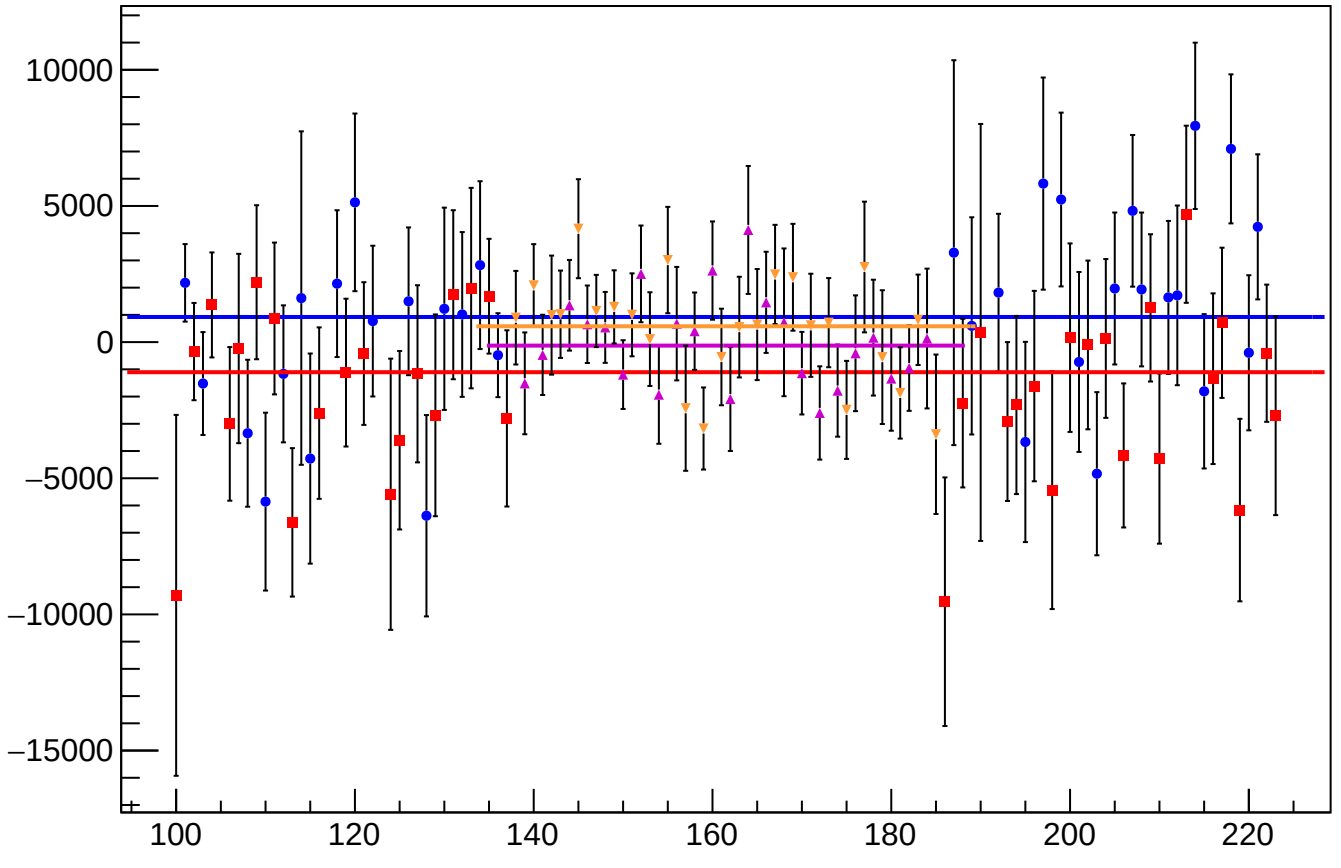
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1095.096+/-0.116 χ^2/NDF: 63220.9/71

In: 1095.810+/-0.122 χ^2/NDF:29391.2/56

Out: 1099.758+/-0.120 χ^2/NDF:45109.1/62

All: 1097.816+/-0.085 χ^2/NDF: 75033.8/119



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

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

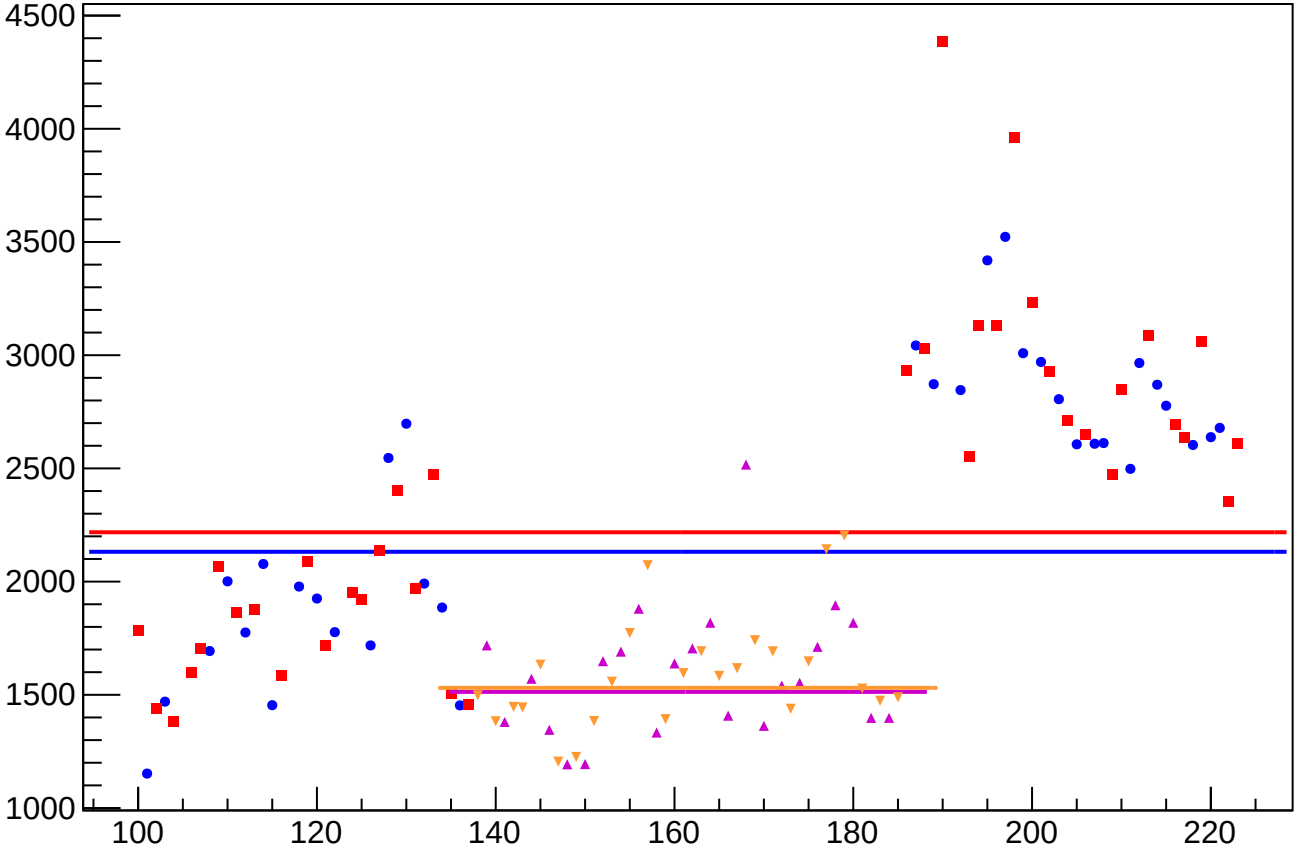
Right: -70.647+/-340.141 χ^2/NDF: 82.3/71

In: 252.345+/-286.737 χ^2/NDF:64.3/56

Out: -1.838+/-285.812 χ^2/NDF:63.3/62

All: 124.843+/-202.426 χ^2/NDF: 128.1/119

asym_usr_dit_correction_rms vs Slug, Sign Corrected



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

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

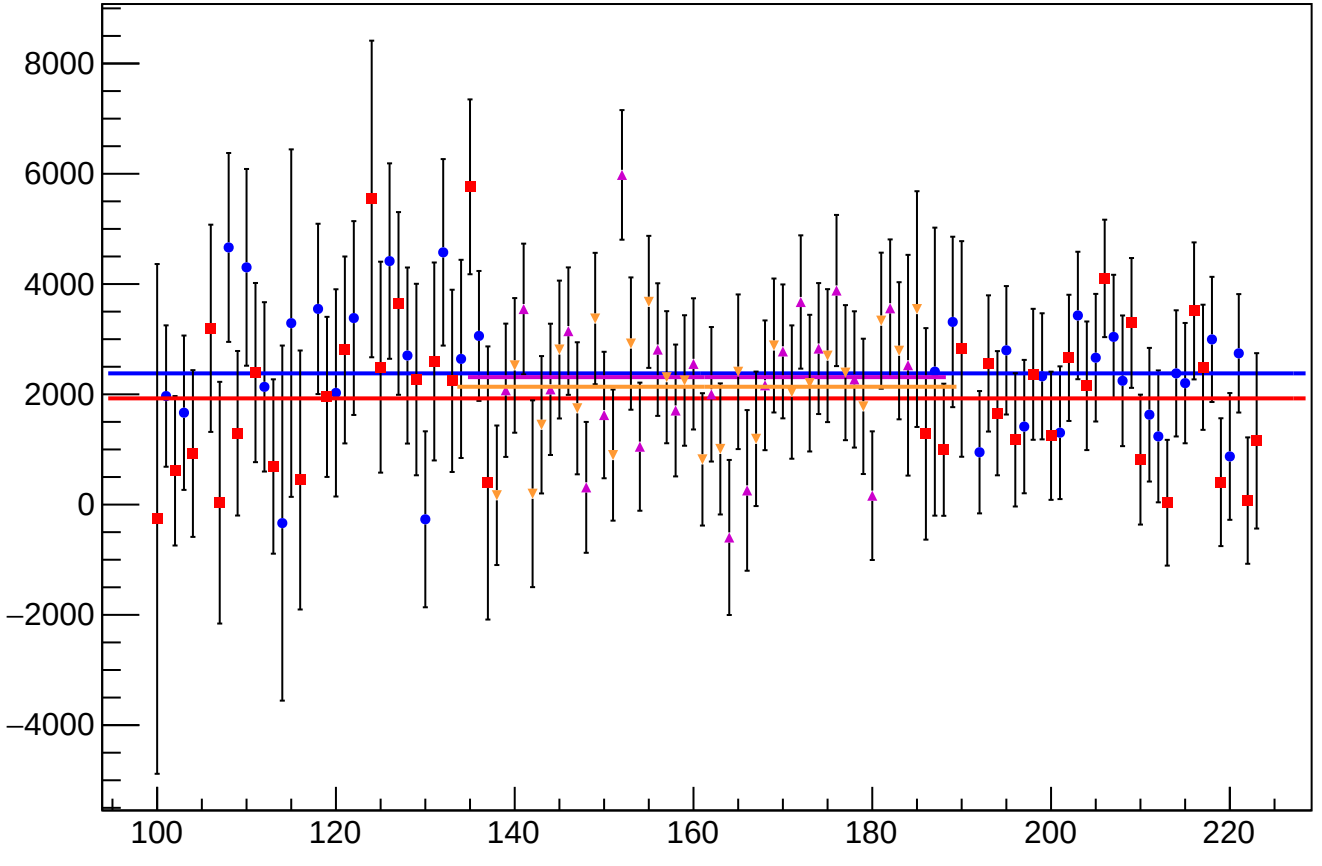
Right: 2173.975+/-0.241 χ^2/NDF: 7204141.2/71

In: 1737.263+/-0.203 χ^2/NDF:6897966.7/56

Out: 1768.459+/-0.202 χ^2/NDF:6795100.8/62

All: 1752.911+/-0.143 χ^2/NDF: 13704942.4/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



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

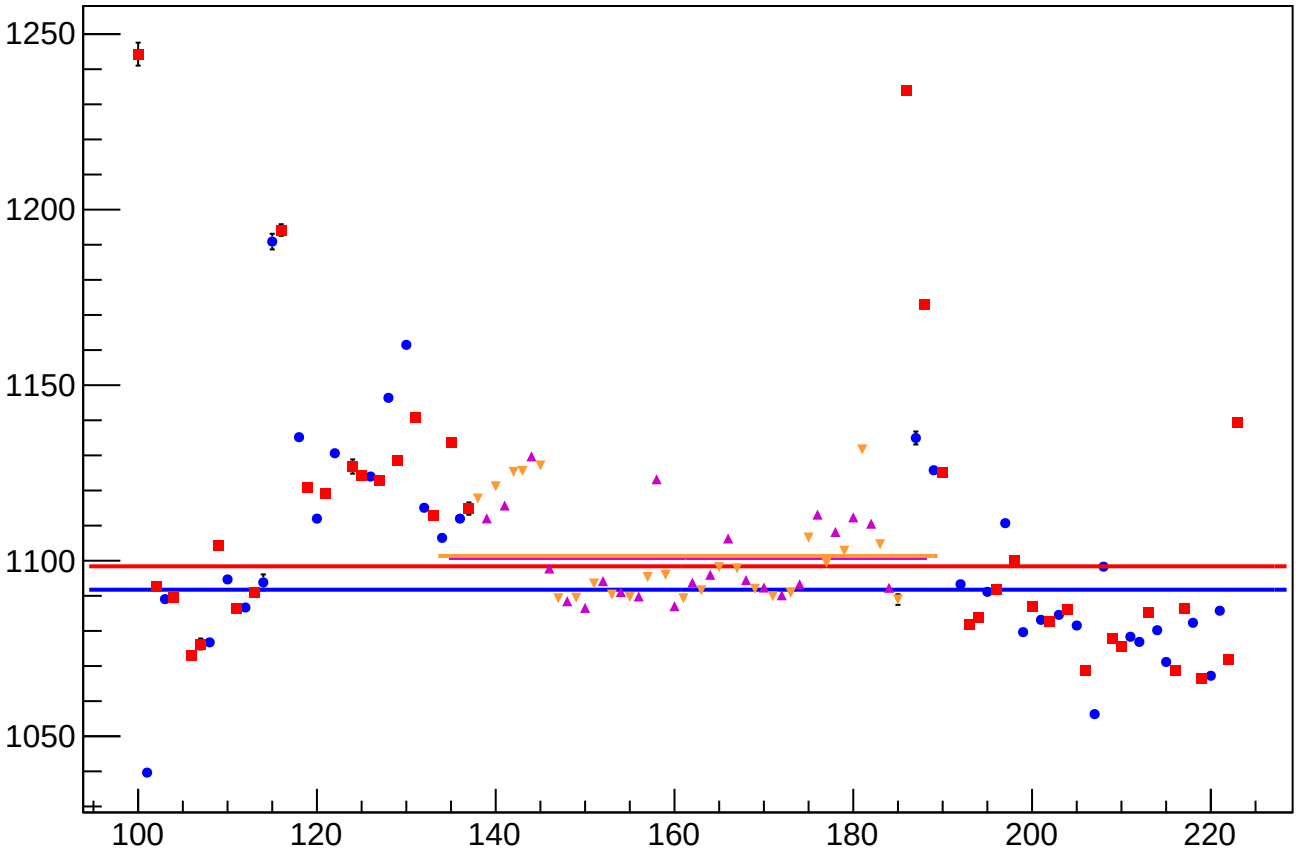
Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

Right: 2151.541+/-163.658 χ^2/NDF: 53.1/71

In: 2349.290+/-172.335 χ^2/NDF:49.5/56

Out: 2023.218+/-169.573 χ^2/NDF:46.0/62

All: 2183.620+/-120.871 χ^2/NDF: 97.3/119



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

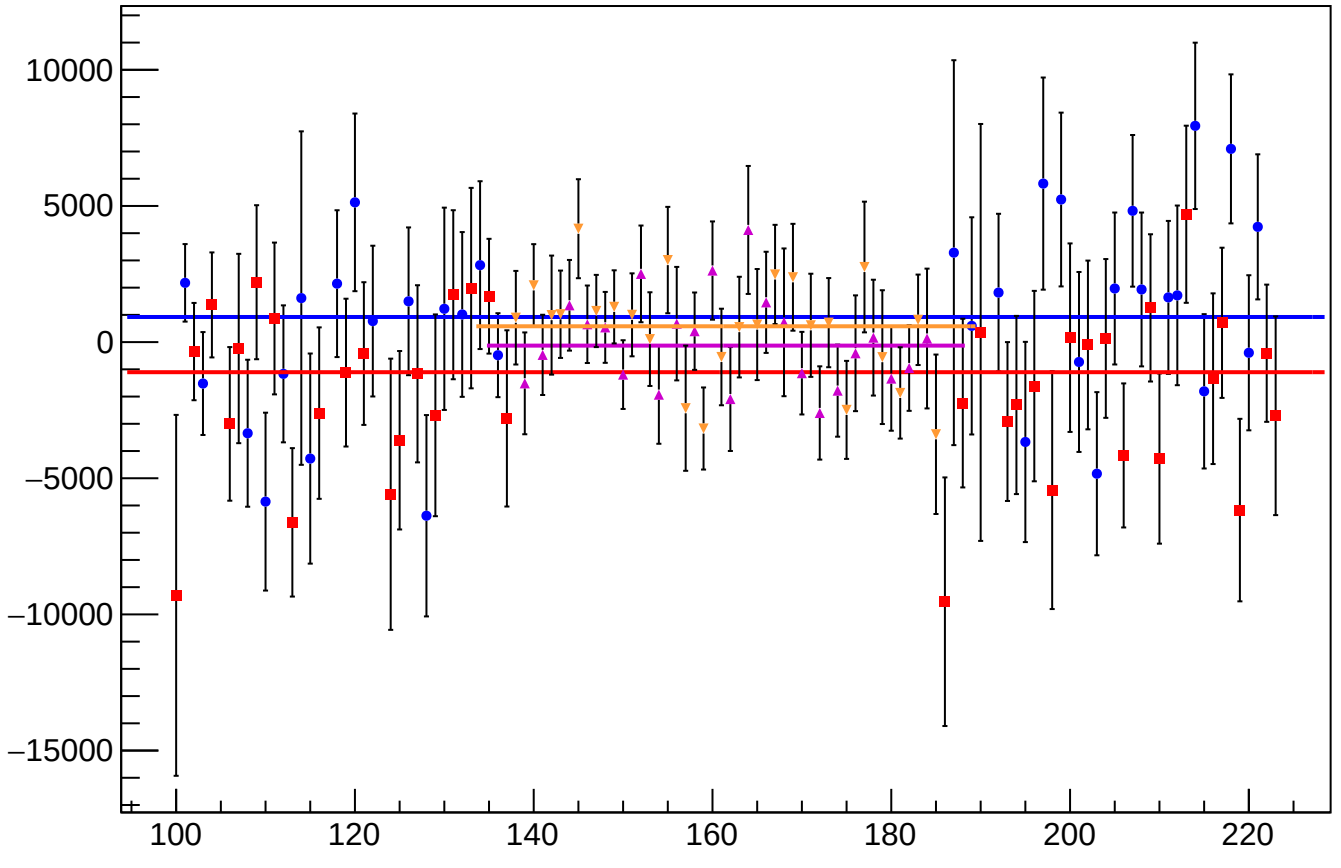
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1095.095+/-0.116 χ^2/NDF: 63220.6/71

In: 1095.810+/-0.122 χ^2/NDF:29391.1/56

Out: 1099.758+/-0.120 χ^2/NDF:45109.0/62

All: 1097.816+/-0.085 χ^2/NDF: 75033.5/119



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

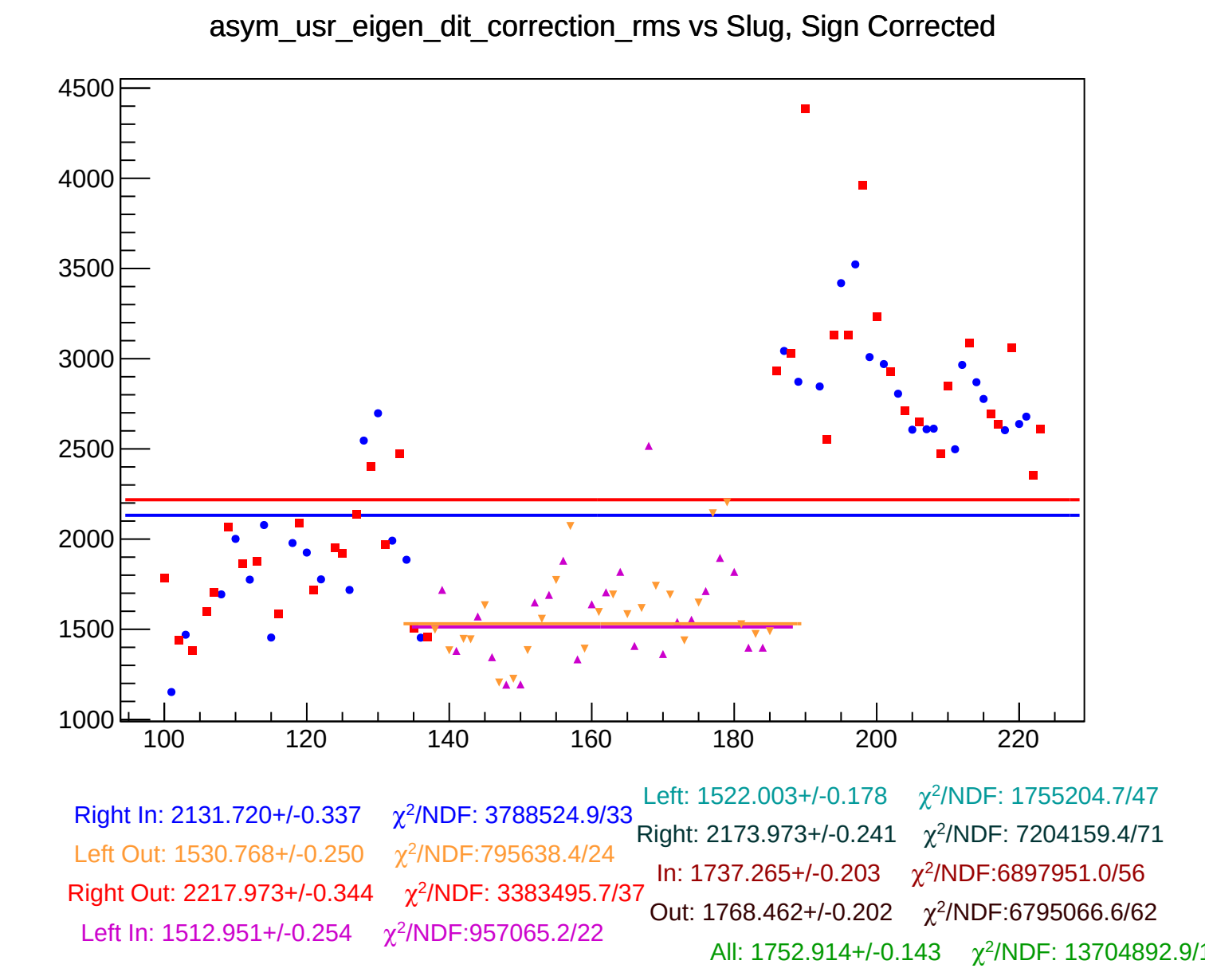
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

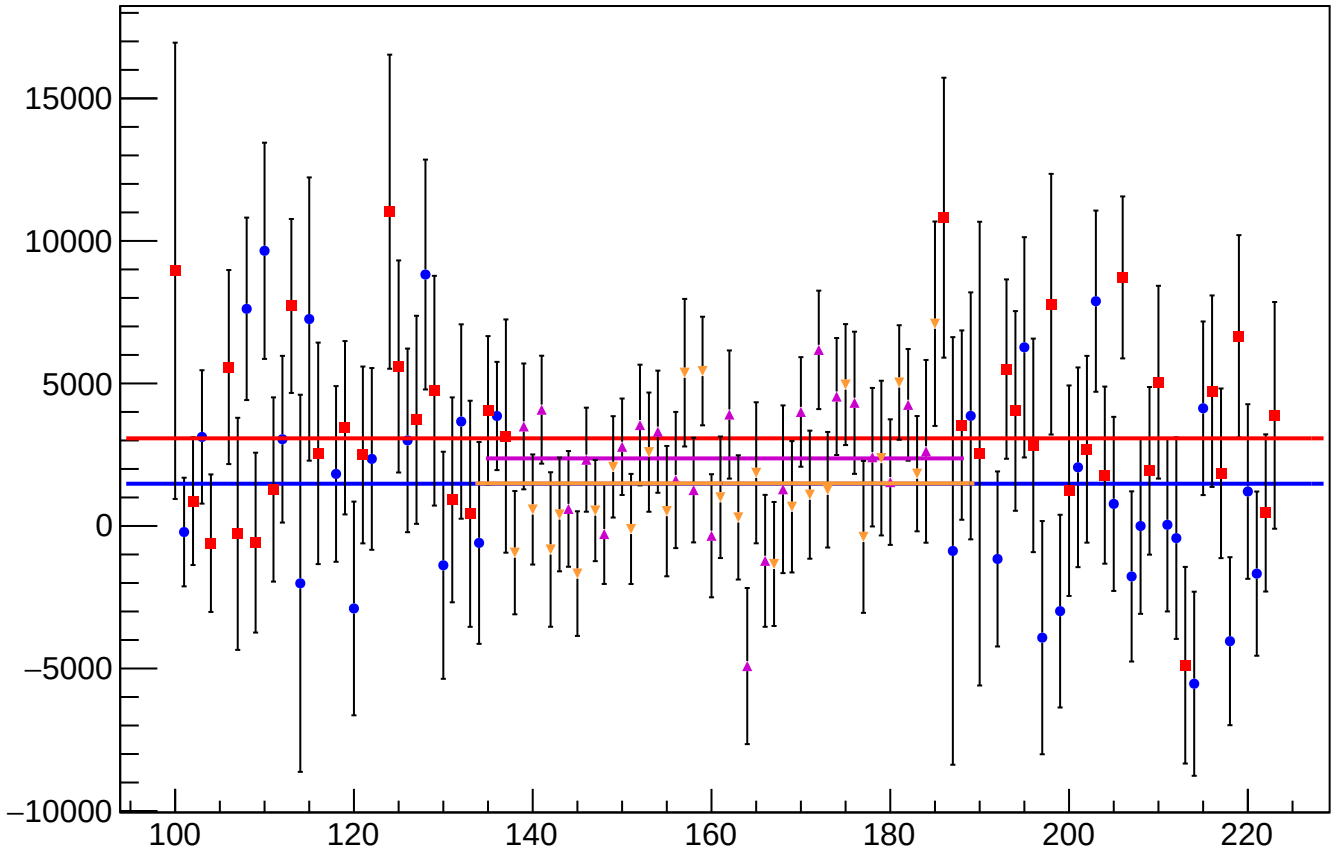
Right: -70.650+/-340.140 χ^2/NDF: 82.3/71

In: 252.344+/-286.738 χ^2/NDF:64.3/56

Out: -1.841+/-285.812 χ^2/NDF:63.3/62

All: 124.841+/-202.426 χ^2/NDF: 128.1/119


asym_usr_eigen_dit_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 2131.720+/-0.337 χ²/NDF: 3788524.9/33
Left Out: 1530.768+/-0.250 χ²/NDF:795638.4/24
Right Out: 2217.973+/-0.344 χ²/NDF: 3383495.7/37
Left In: 1512.951+/-0.254 χ²/NDF:957065.2/22
Left: 1522.003+/-0.178 χ²/NDF: 1755204.7/47
Right: 2173.973+/-0.241 χ²/NDF: 7204159.4/71
In: 1737.265+/-0.203 χ²/NDF:6897951.0/56
Out: 1768.462+/-0.202 χ²/NDF:6795066.6/62
All: 1752.914+/-0.143 χ²/NDF: 13704892.9/1



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

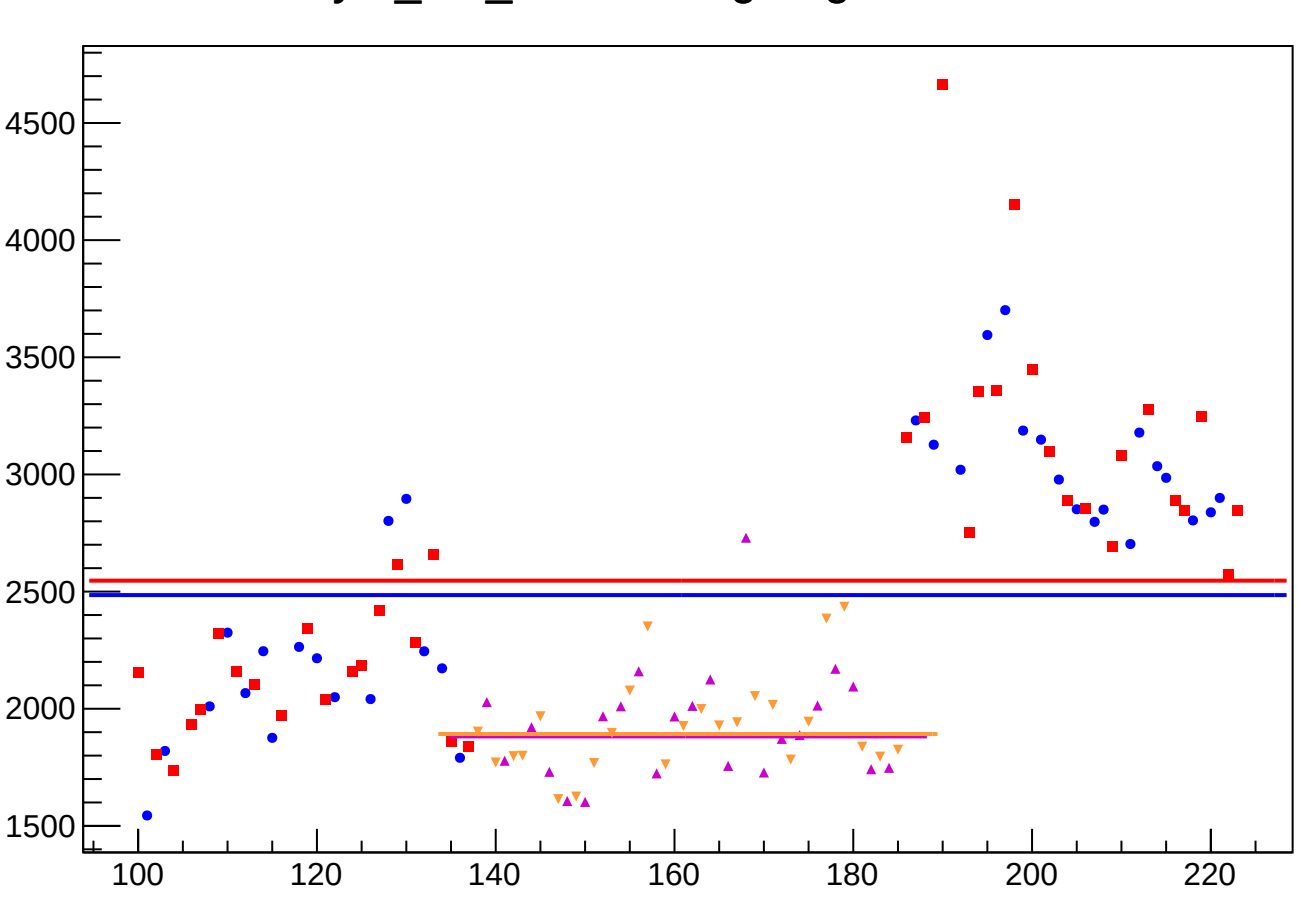
Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

Right: 2270.762+/-386.721 χ^2/NDF: 75.6/71

In: 2016.711+/-343.562 χ^2/NDF:67.1/56

Out: 2100.378+/-340.206 χ^2/NDF:58.5/62

All: 2058.955+/-241.740 χ^2/NDF: 125.6/119



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

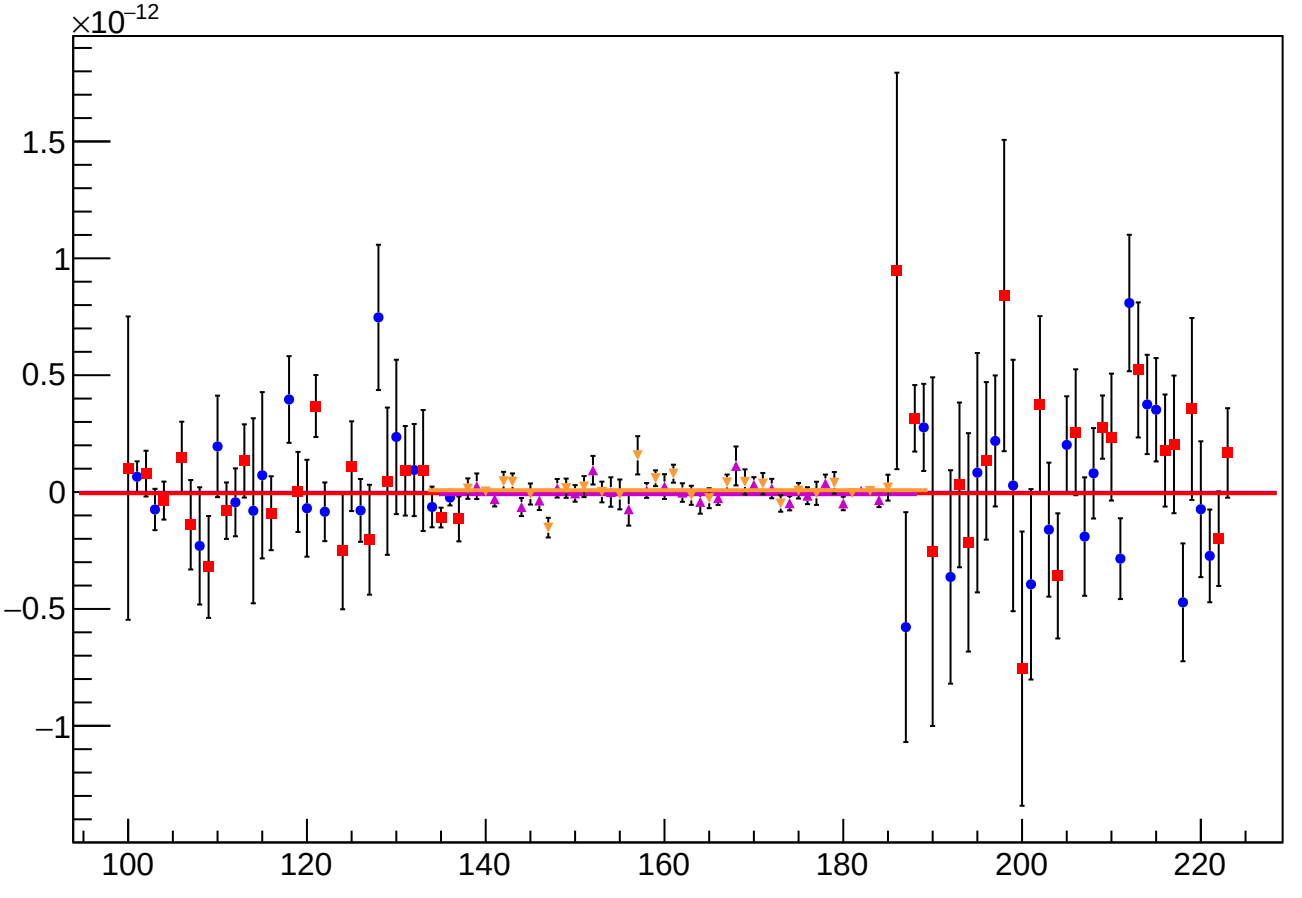
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2515.625+/-0.273 χ^2/NDF: 4437807.1/71

In: 2122.246+/-0.243 χ^2/NDF:4175489.1/56

Out: 2142.969+/-0.241 χ^2/NDF:4329965.1/62

All: 2132.709+/-0.171 χ^2/NDF: 8509128.2/11



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

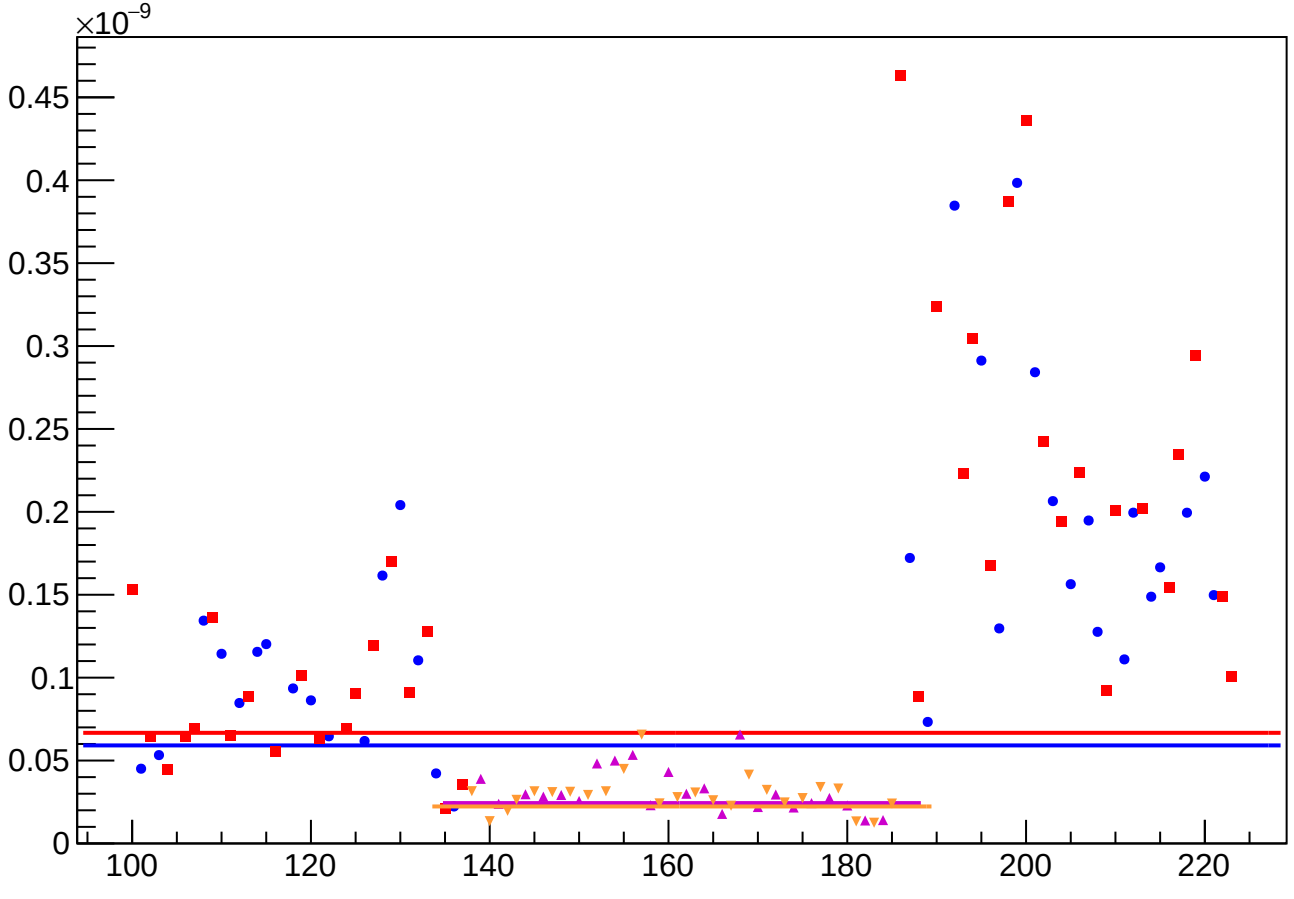
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 95.4/71

In: -0.000+/-0.000 χ^2/NDF:65.0/56

Out: 0.000+/-0.000 χ^2/NDF:82.2/62

All: -0.000+/-0.000 χ^2/NDF: 149.7/119



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

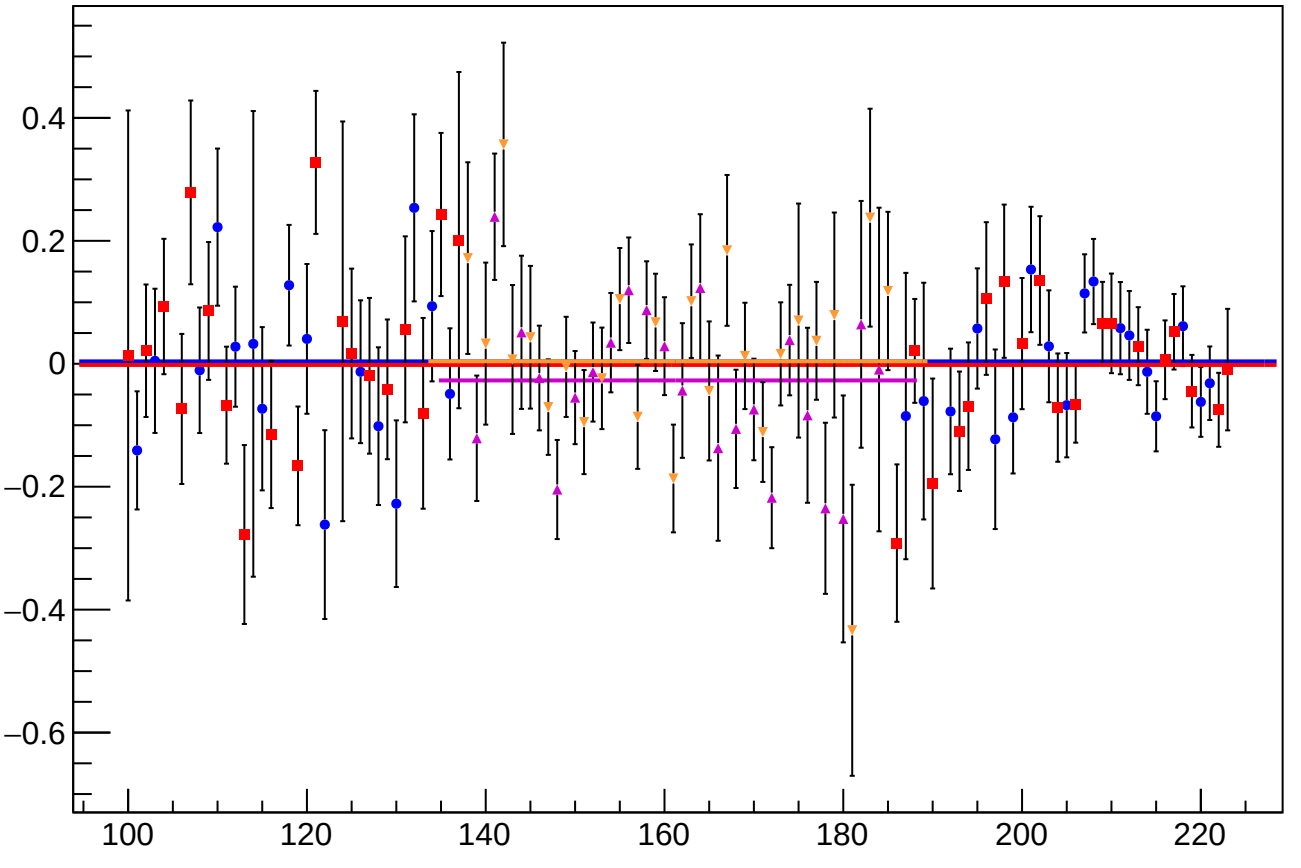
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 23159636.3/71

In: 0.000+/-0.000 χ^2/NDF:19334713.2/56

Out: 0.000+/-0.000 χ^2/NDF:20822223.3/62

All: 0.000+/-0.000 χ^2/NDF: 40269170.3/119



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

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

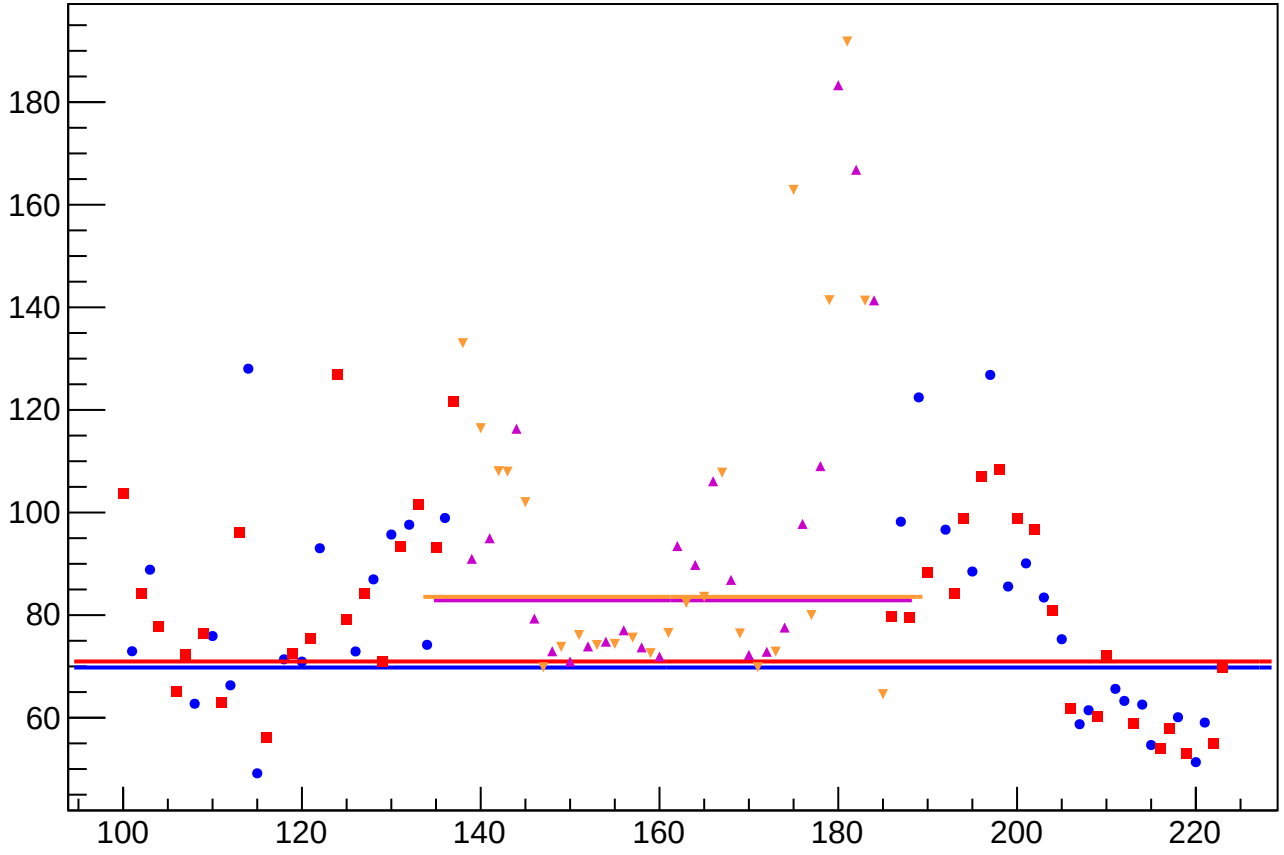
Right: 0.001+/-0.011 χ^2/NDF: 79.7/71

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.000+/-0.012 χ^2/NDF:72.2/62

All: -0.004+/-0.009 χ^2/NDF: 141.5/119

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

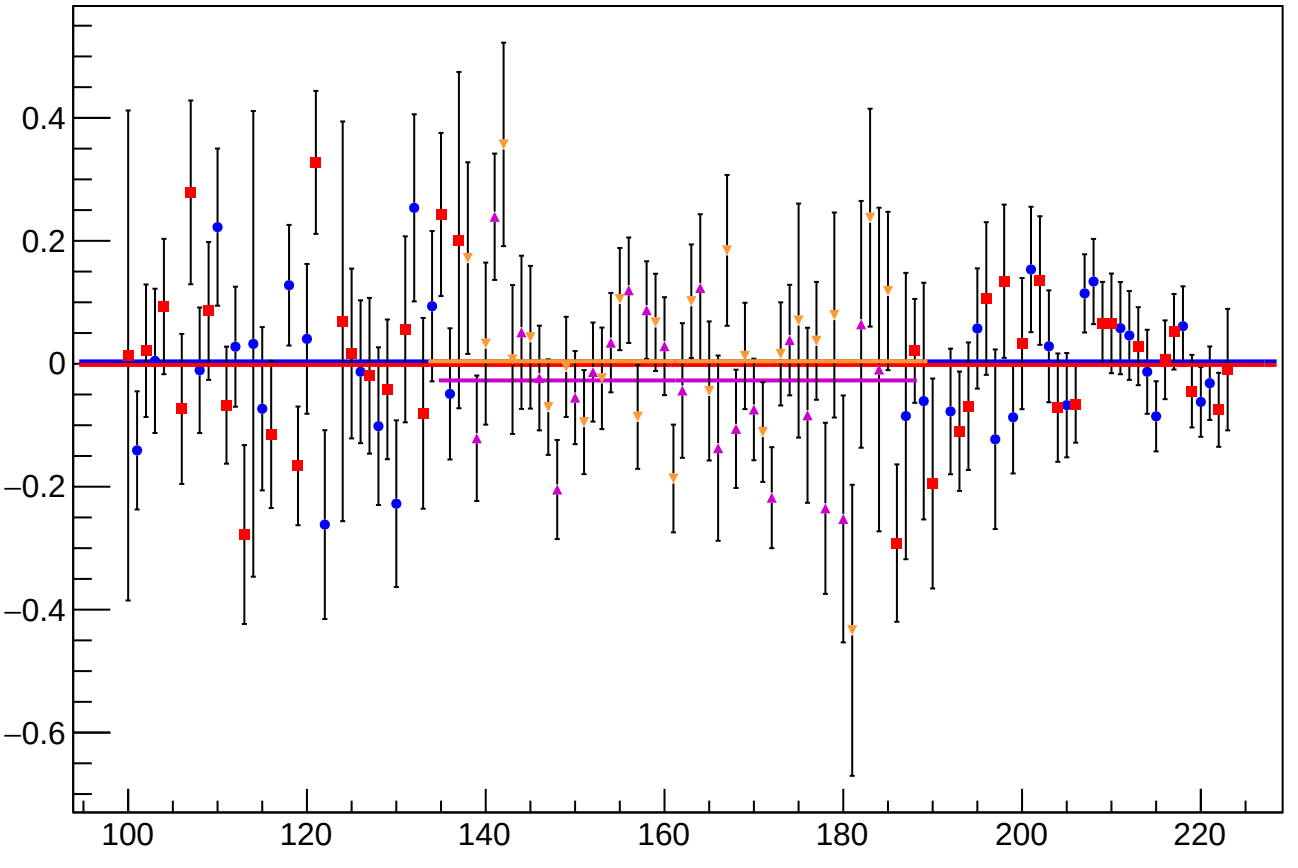
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 70.379+/-0.008 χ^2/NDF: 4121453.7/71

In: 74.625+/-0.009 χ^2/NDF:4111338.3/56

Out: 75.683+/-0.009 χ^2/NDF:4745064.9/62

All: 75.157+/-0.006 χ^2/NDF: 8863627.4/119



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

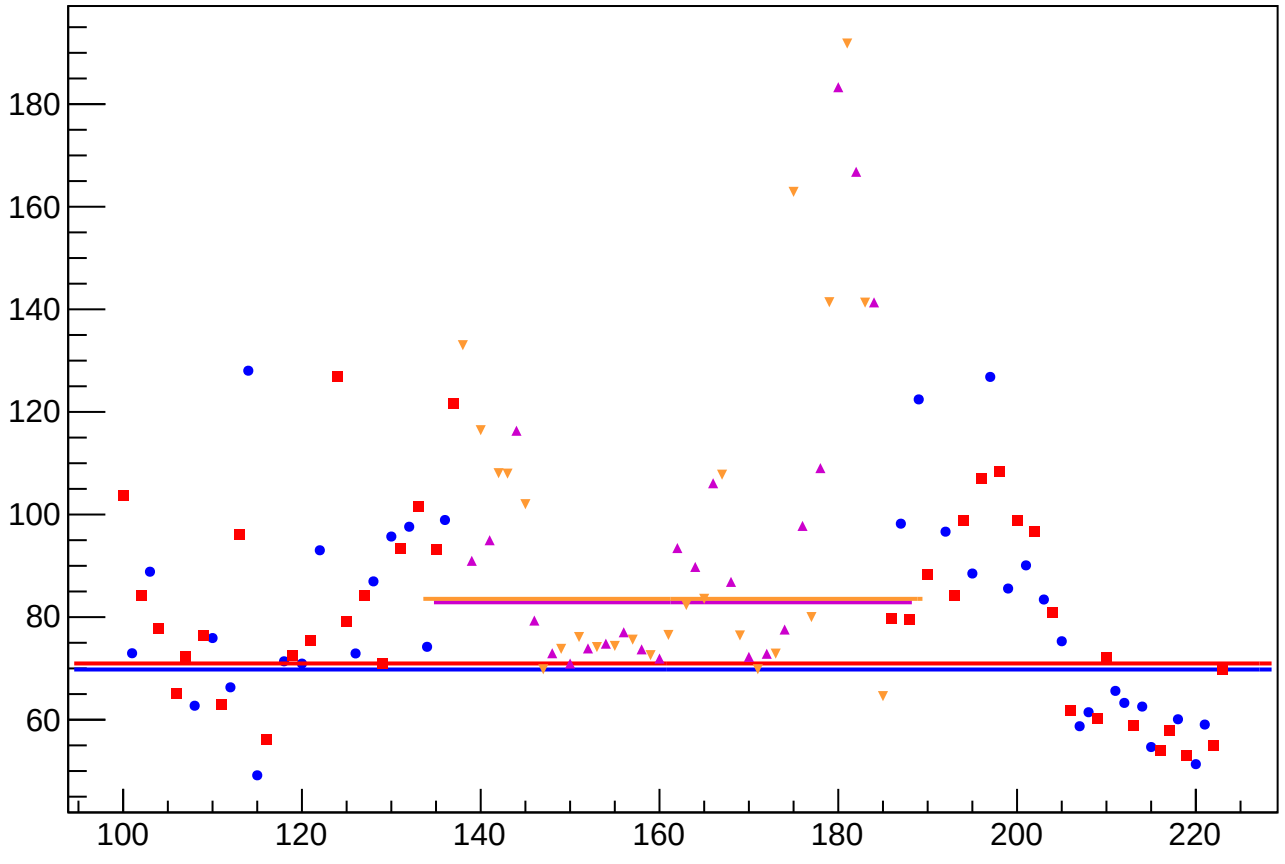
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.001+/-0.011 χ^2/NDF: 79.7/71

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.000+/-0.012 χ^2/NDF:72.2/62

All: -0.004+/-0.009 χ^2/NDF: 141.5/119



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

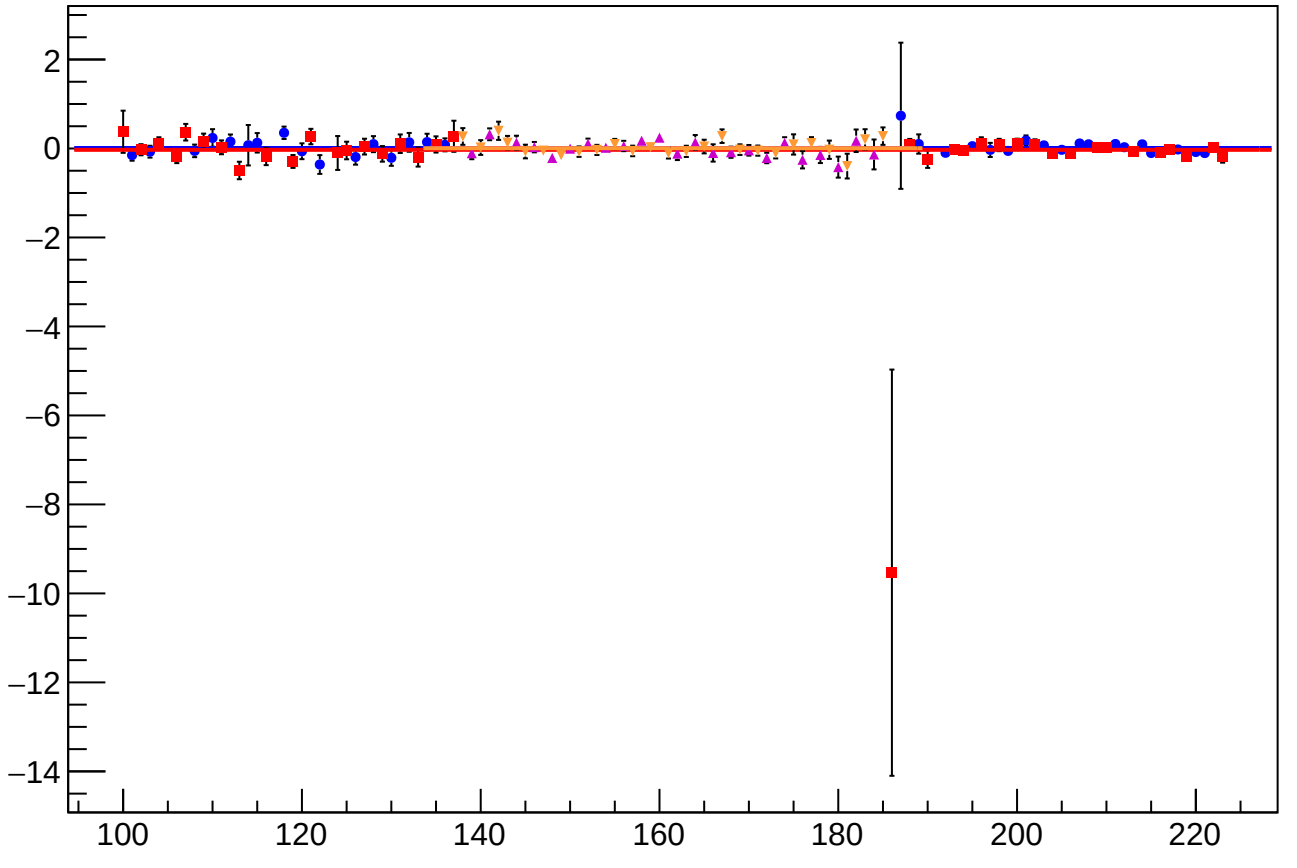
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 70.379+/-0.008 χ^2/NDF: 4121453.7/71

In: 74.625+/-0.009 χ^2/NDF:4111338.3/56

Out: 75.683+/-0.009 χ^2/NDF:4745064.9/62

All: 75.157+/-0.006 χ^2/NDF: 8863627.4/119



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

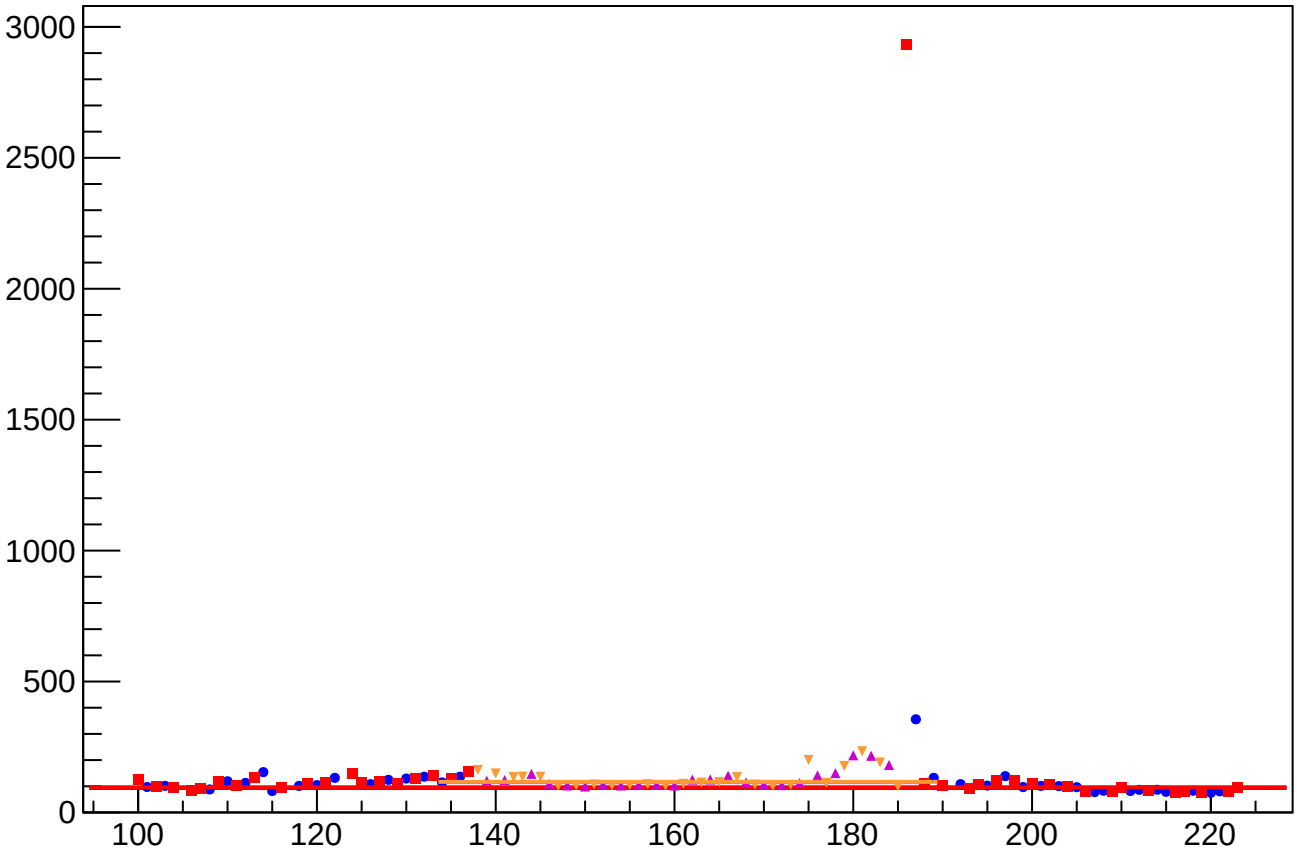
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: -0.010+/-0.015 χ^2/NDF: 75.9/71

In: 0.010+/-0.017 χ^2/NDF:63.3/56

Out: -0.017+/-0.017 χ^2/NDF:64.5/62

All: -0.003+/-0.012 χ^2/NDF: 129.1/119



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

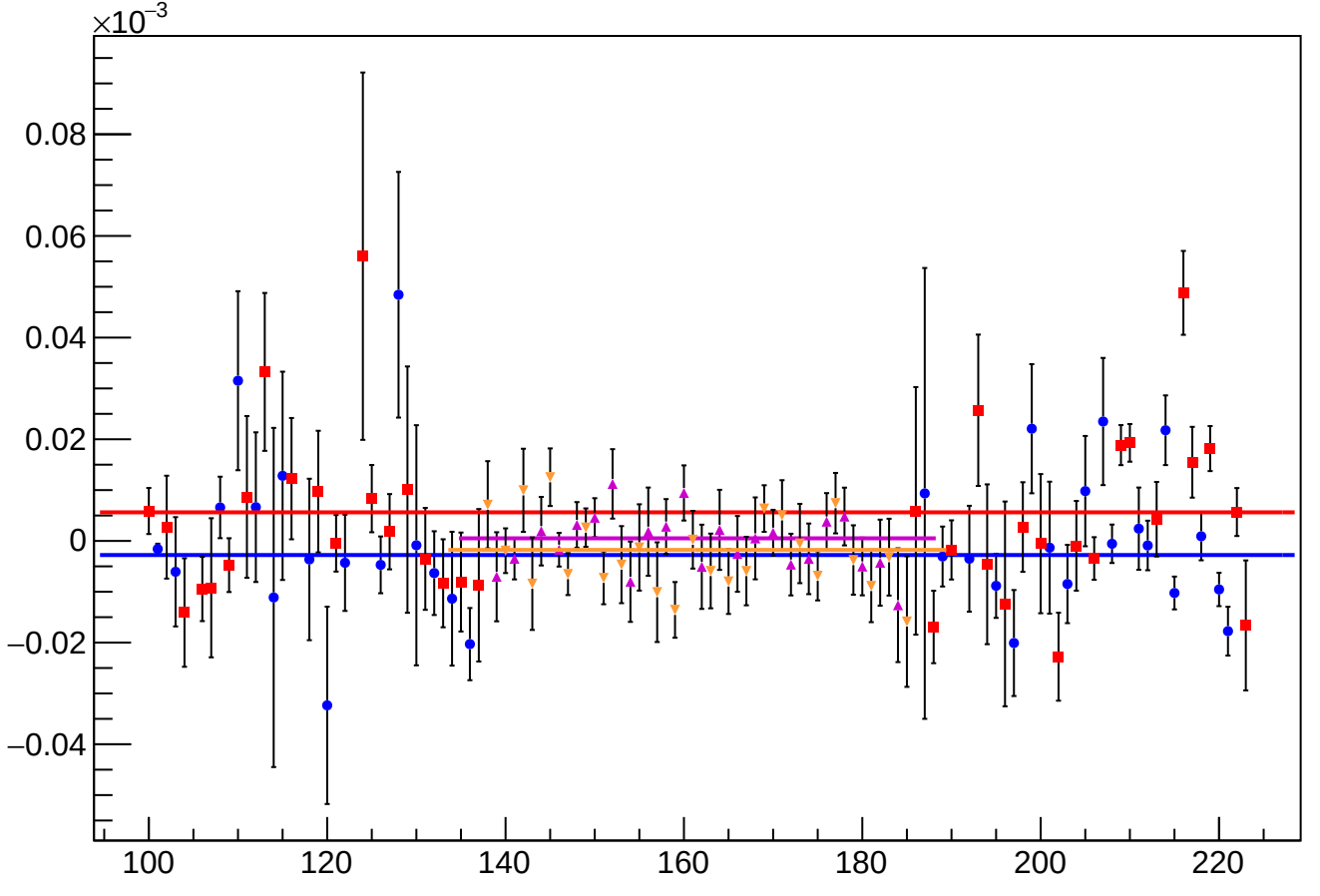
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 94.970+/-0.010 χ^2/NDF: 3440367.2/71

In: 101.784+/-0.012 χ^2/NDF:3376218.4/56

Out: 103.517+/-0.012 χ^2/NDF:4386229.5/62

All: 102.651+/-0.008 χ^2/NDF: 7773164.9/119



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

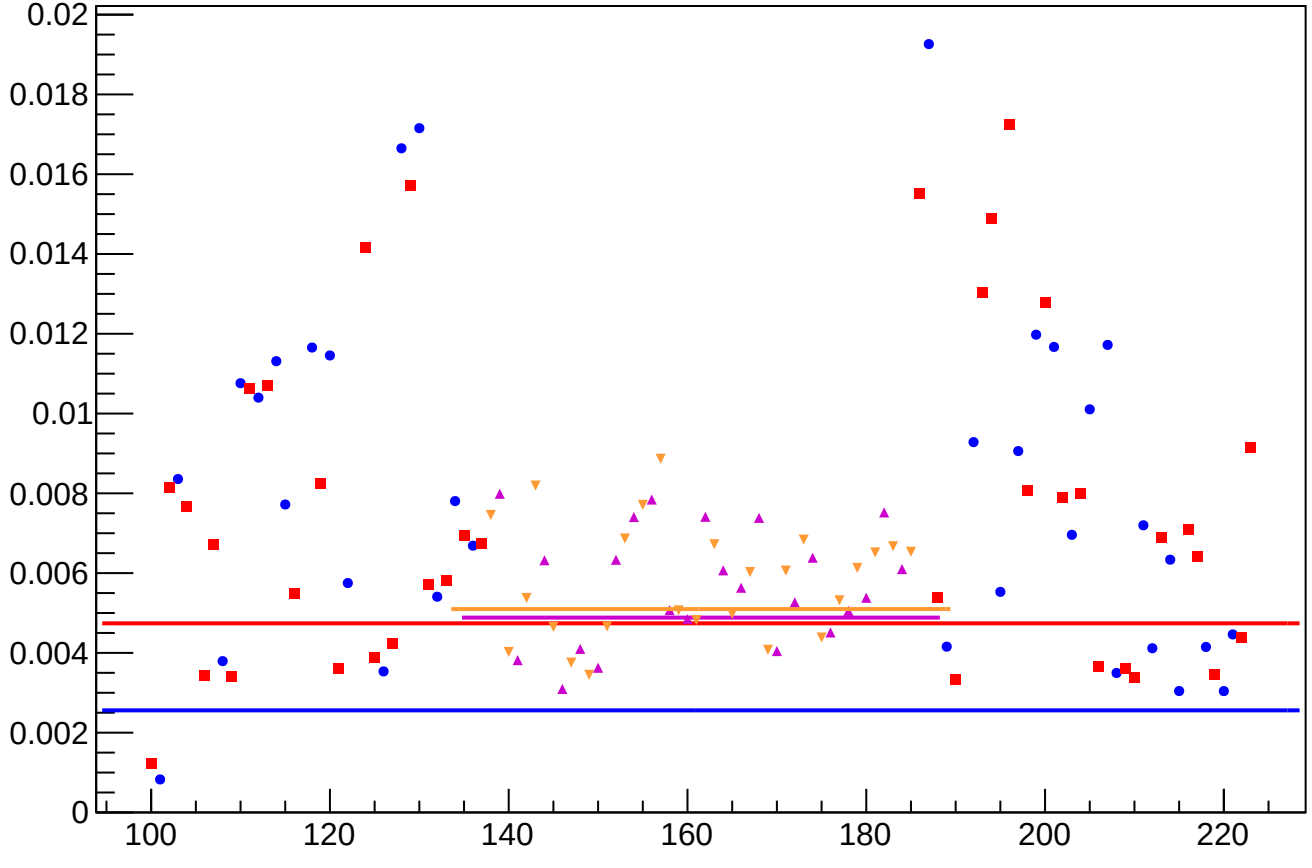
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 229.3/71

In: -0.000+/-0.000 χ^2/NDF:90.7/56

Out: 0.000+/-0.000 χ^2/NDF:174.4/62

All: -0.000+/-0.000 χ^2/NDF: 277.9/119



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

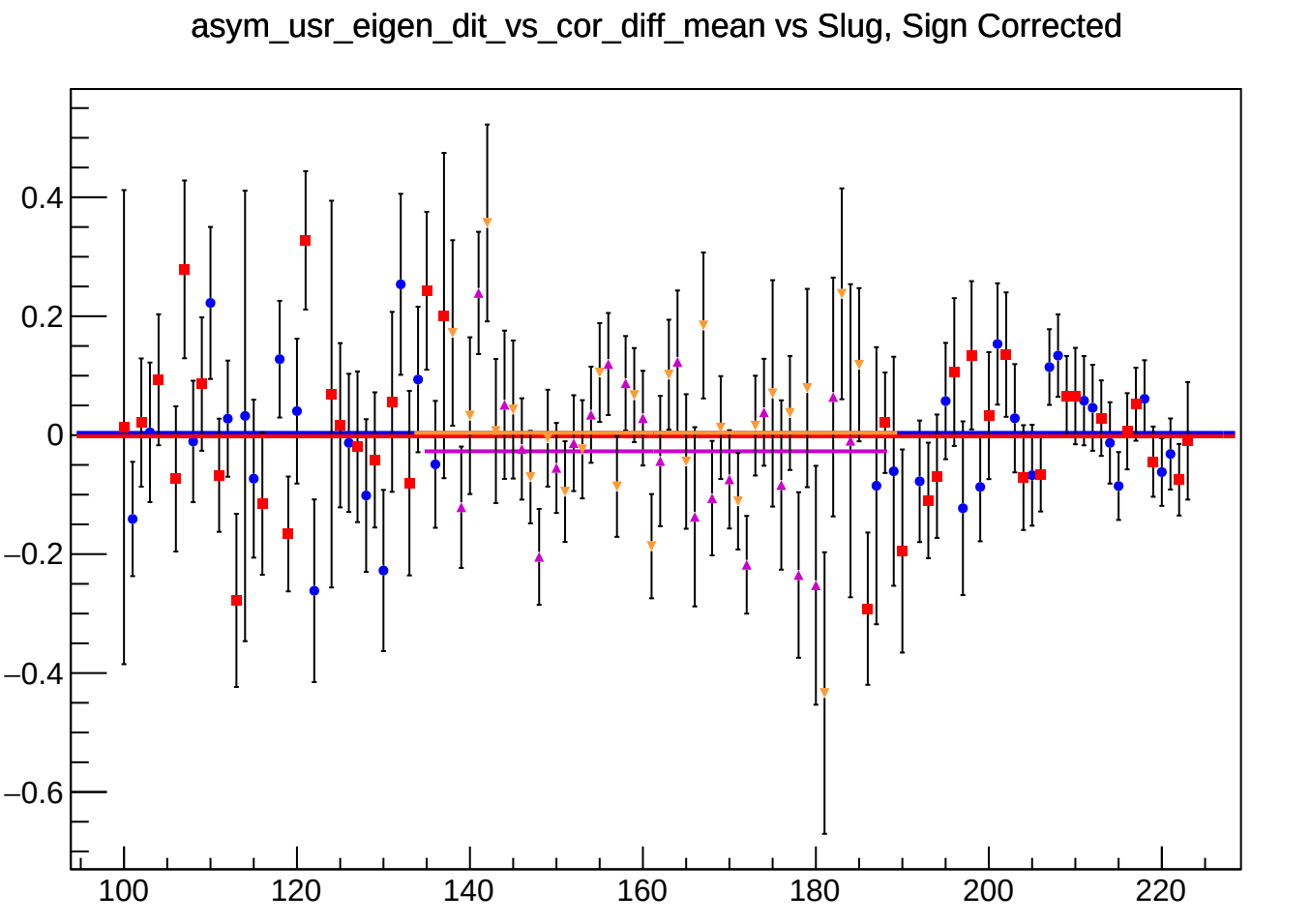
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 34849920.5/71

In: 0.003+/-0.000 χ^2/NDF:28938687.1/56

Out: 0.005+/-0.000 χ^2/NDF:11614648.8/62

All: 0.004+/-0.000 χ^2/NDF: 45291346.5/119



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

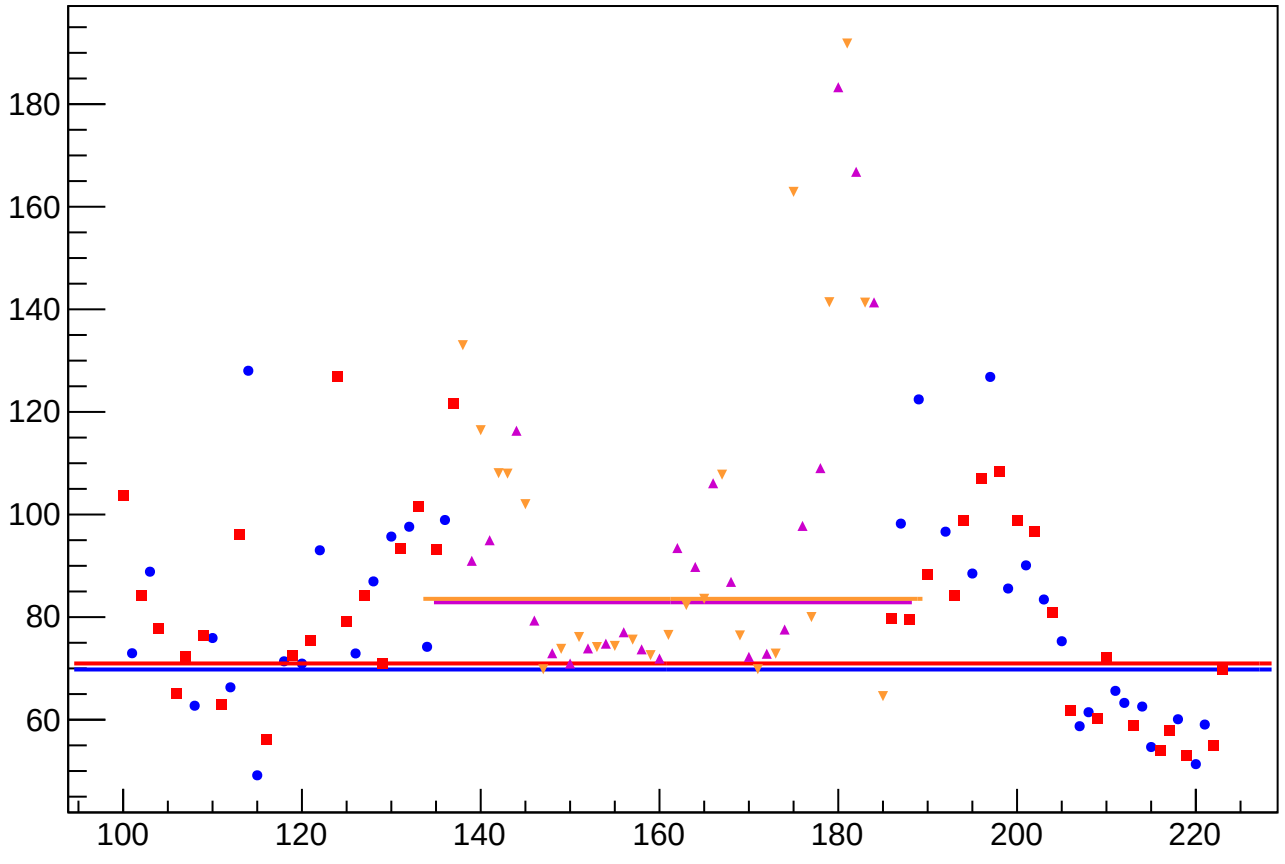
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.001+/-0.011 χ^2/NDF: 79.7/71

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.000+/-0.012 χ^2/NDF:72.2/62

All: -0.004+/-0.009 χ^2/NDF: 141.5/119



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

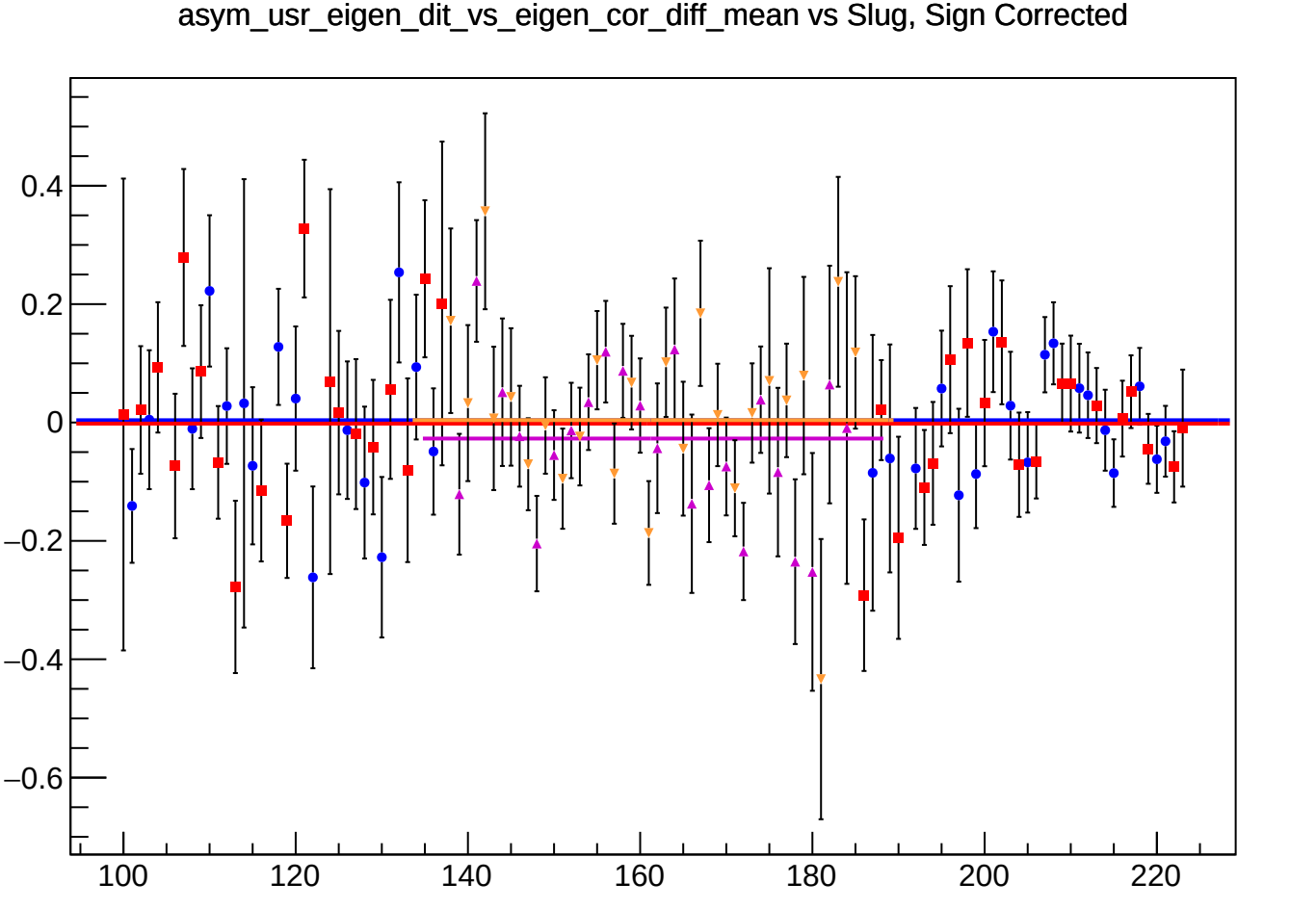
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 70.379+/-0.008 χ^2/NDF: 4121214.3/71

In: 74.625+/-0.009 χ^2/NDF:4111148.4/56

Out: 75.683+/-0.009 χ^2/NDF:4745061.7/62

All: 75.157+/-0.006 χ^2/NDF: 8863425.7/119



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

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

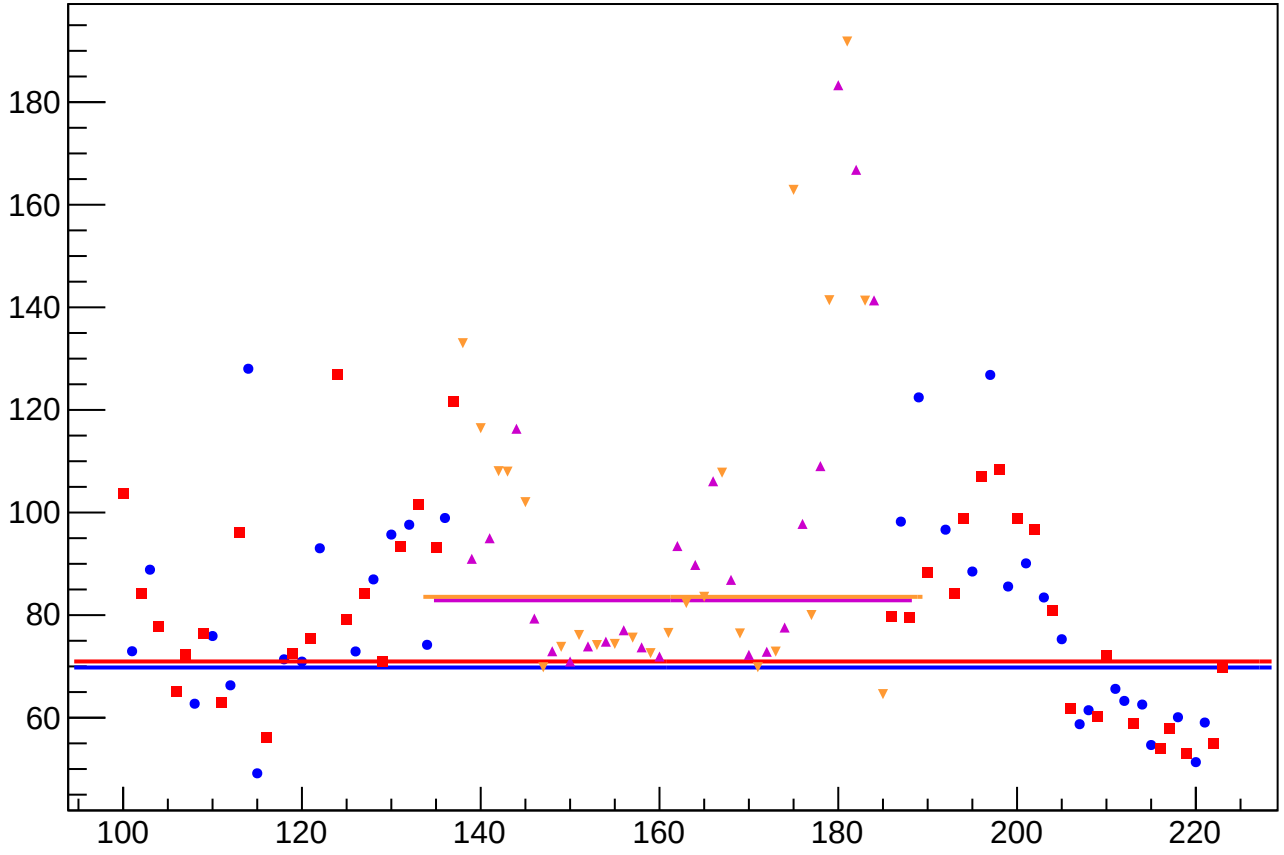
Right: 0.001+/-0.011 χ^2/NDF: 79.7/71

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.000+/-0.012 χ^2/NDF:72.2/62

All: -0.004+/-0.009 χ^2/NDF: 141.5/119

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

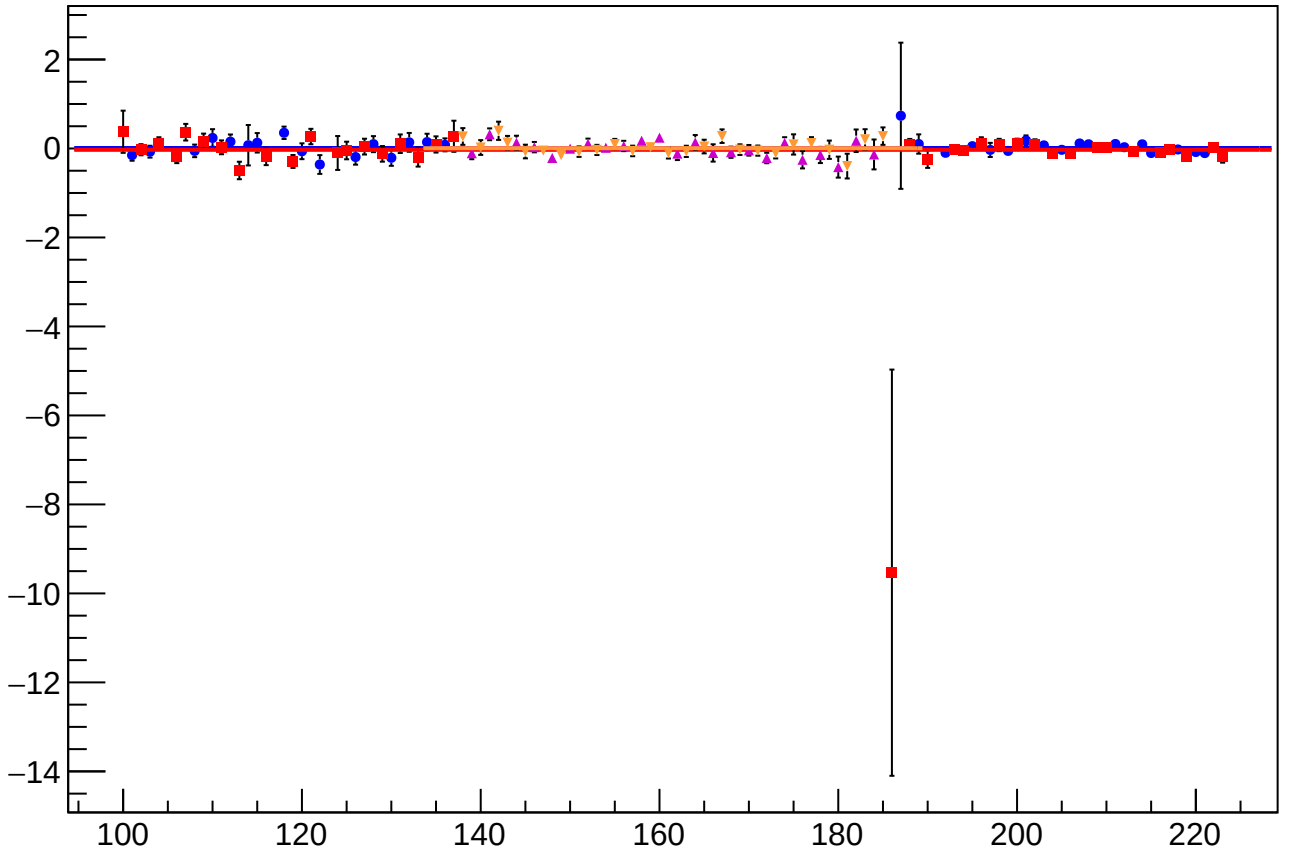
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 70.379+/-0.008 χ^2/NDF: 4121214.3/71

In: 74.625+/-0.009 χ^2/NDF:4111148.4/56

Out: 75.683+/-0.009 χ^2/NDF:4745061.7/62

All: 75.157+/-0.006 χ^2/NDF: 8863425.7/119



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

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

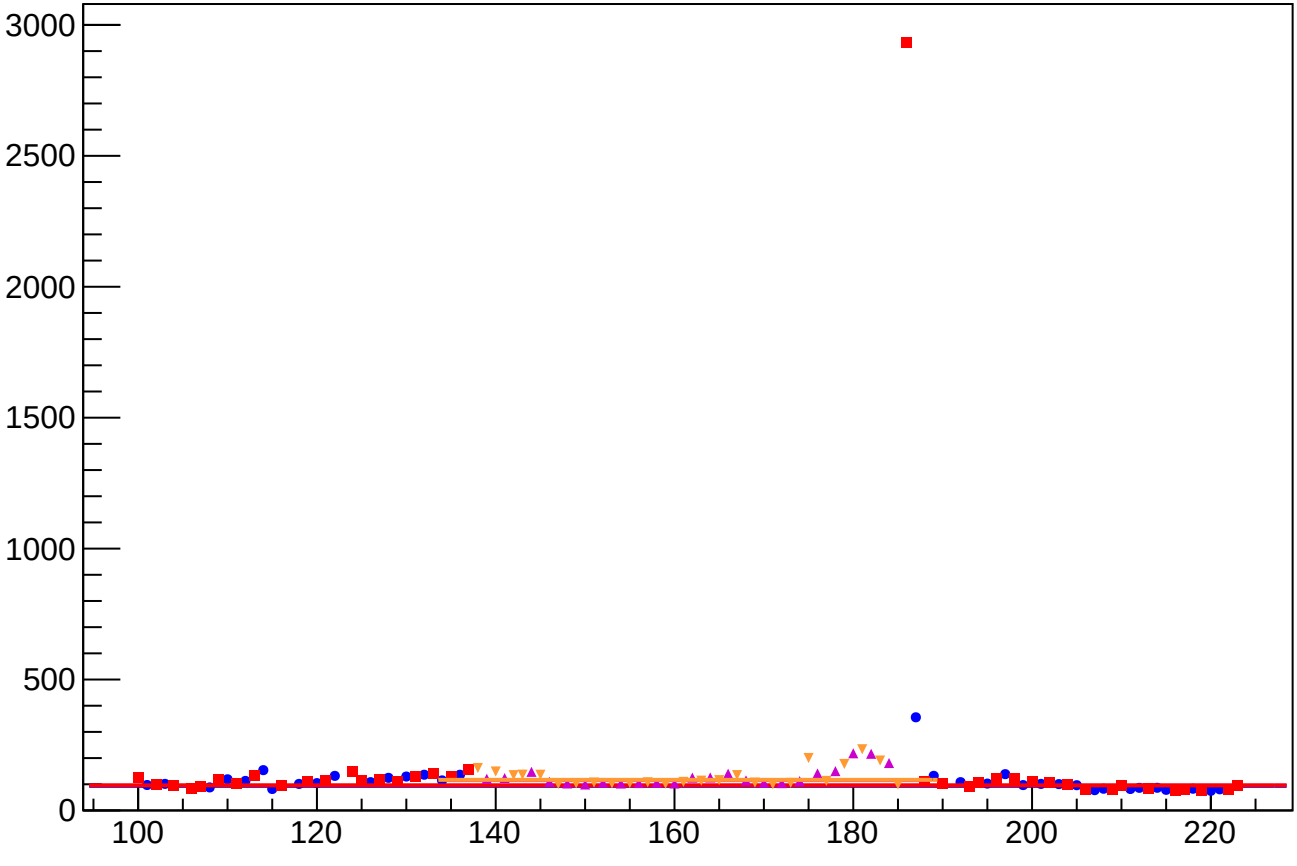
Right: -0.010+/-0.015 χ^2/NDF: 75.9/71

In: 0.010+/-0.017 χ^2/NDF:63.3/56

Out: -0.017+/-0.017 χ^2/NDF:64.5/62

All: -0.003+/-0.012 χ^2/NDF: 129.1/119

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

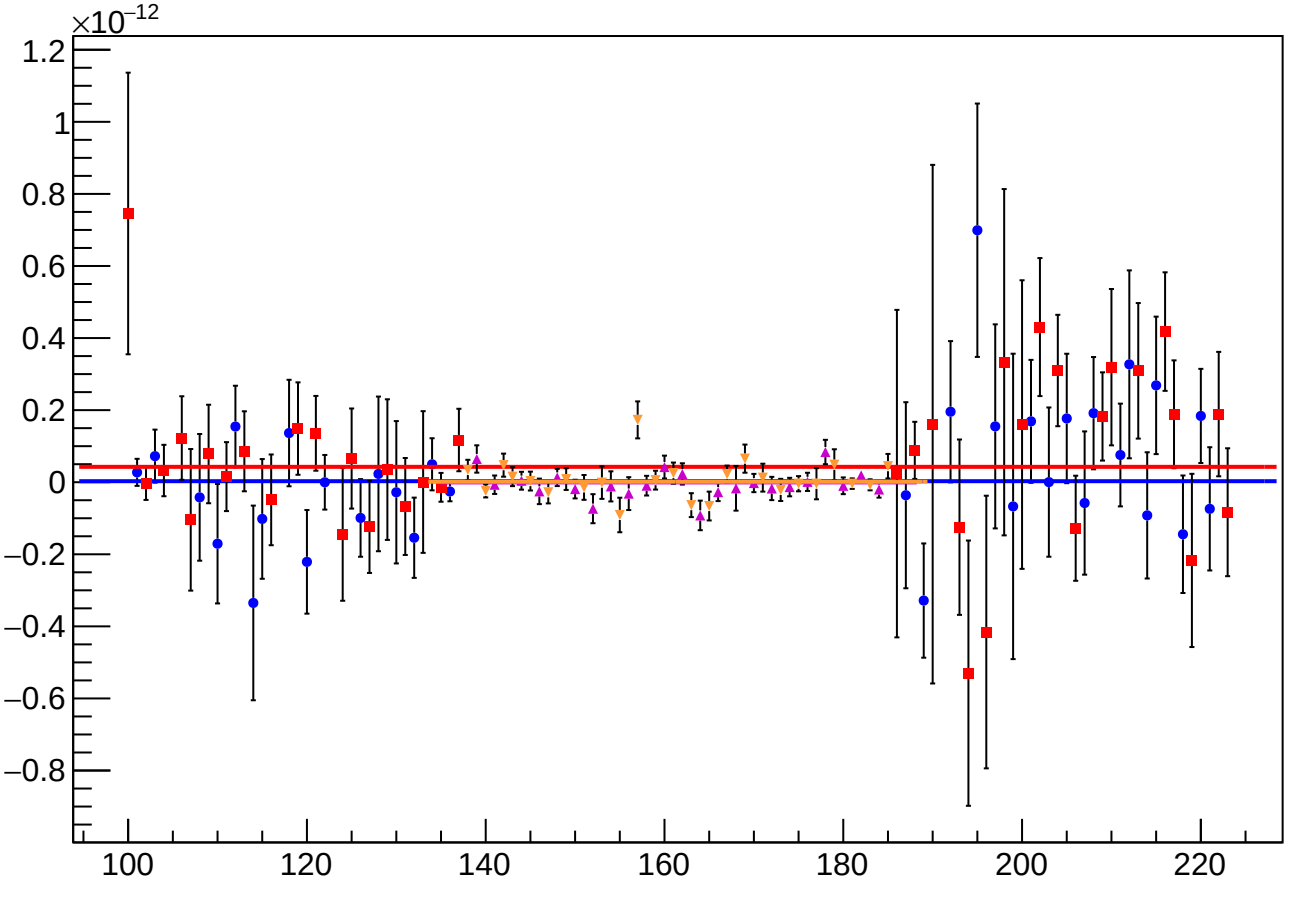
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 94.970+/-0.010 χ^2/NDF: 3440171.8/71

In: 101.784+/-0.012 χ^2/NDF:3376065.2/56

Out: 103.517+/-0.012 χ^2/NDF:4386208.0/62

All: 102.651+/-0.008 χ^2/NDF: 7772984.4/119



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

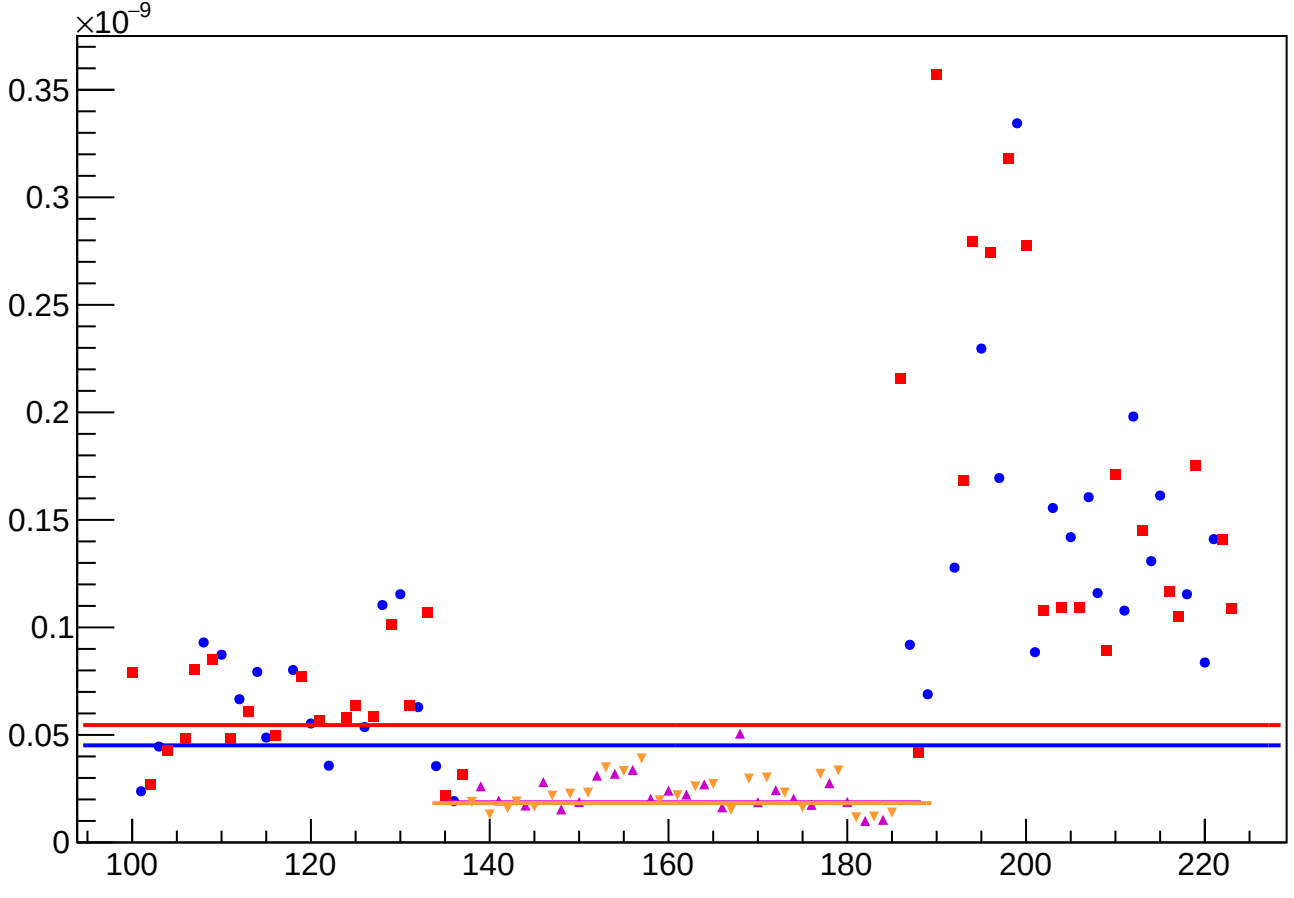
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 77.4/71

In: -0.000+/-0.000 χ^2/NDF:60.7/56

Out: 0.000+/-0.000 χ^2/NDF:82.0/62

All: 0.000+/-0.000 χ^2/NDF: 143.2/119



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

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

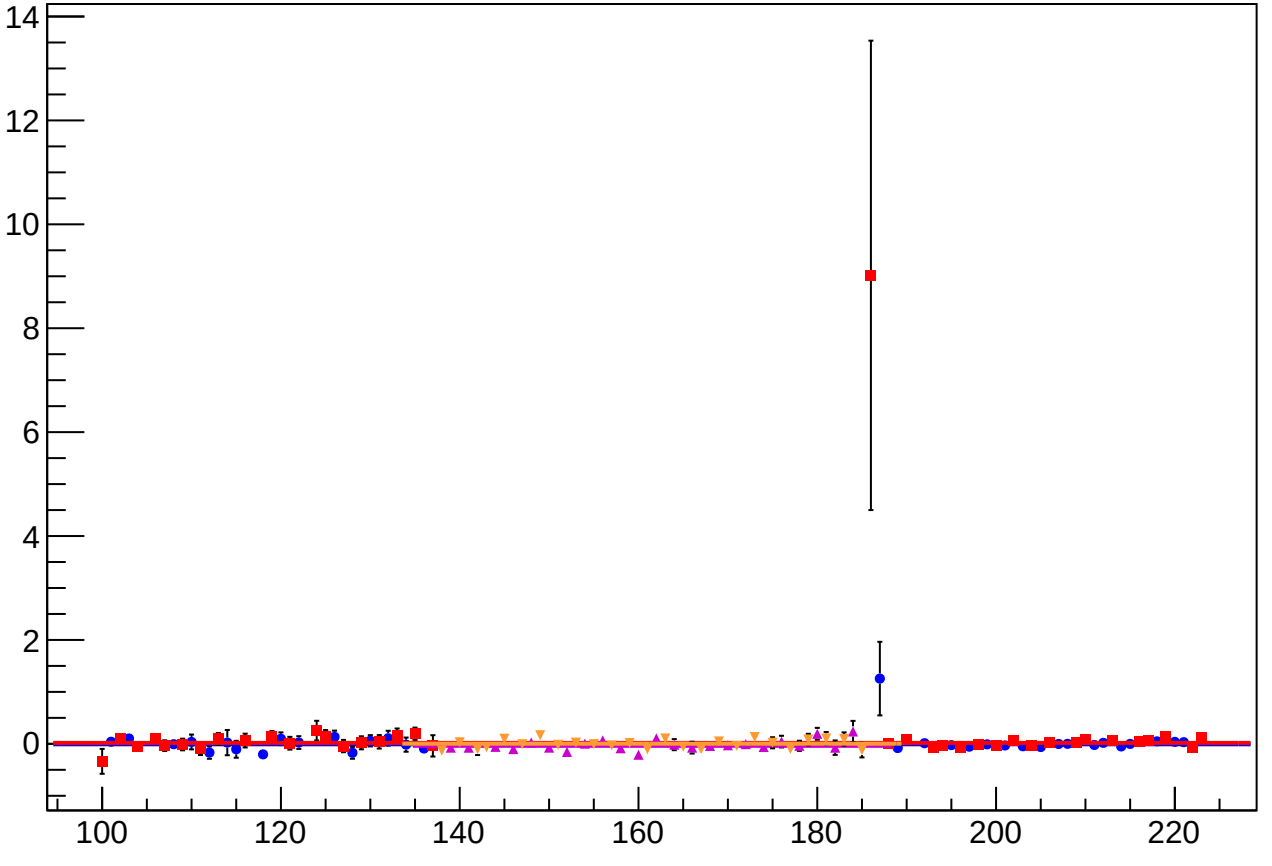
Right: 0.000+/-0.000 χ^2/NDF: 22100597.2/71

In: 0.000+/-0.000 χ^2/NDF:19168988.6/56

Out: 0.000+/-0.000 χ^2/NDF:20058205.7/62

All: 0.000+/-0.000 χ^2/NDF: 39231303.2/119

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

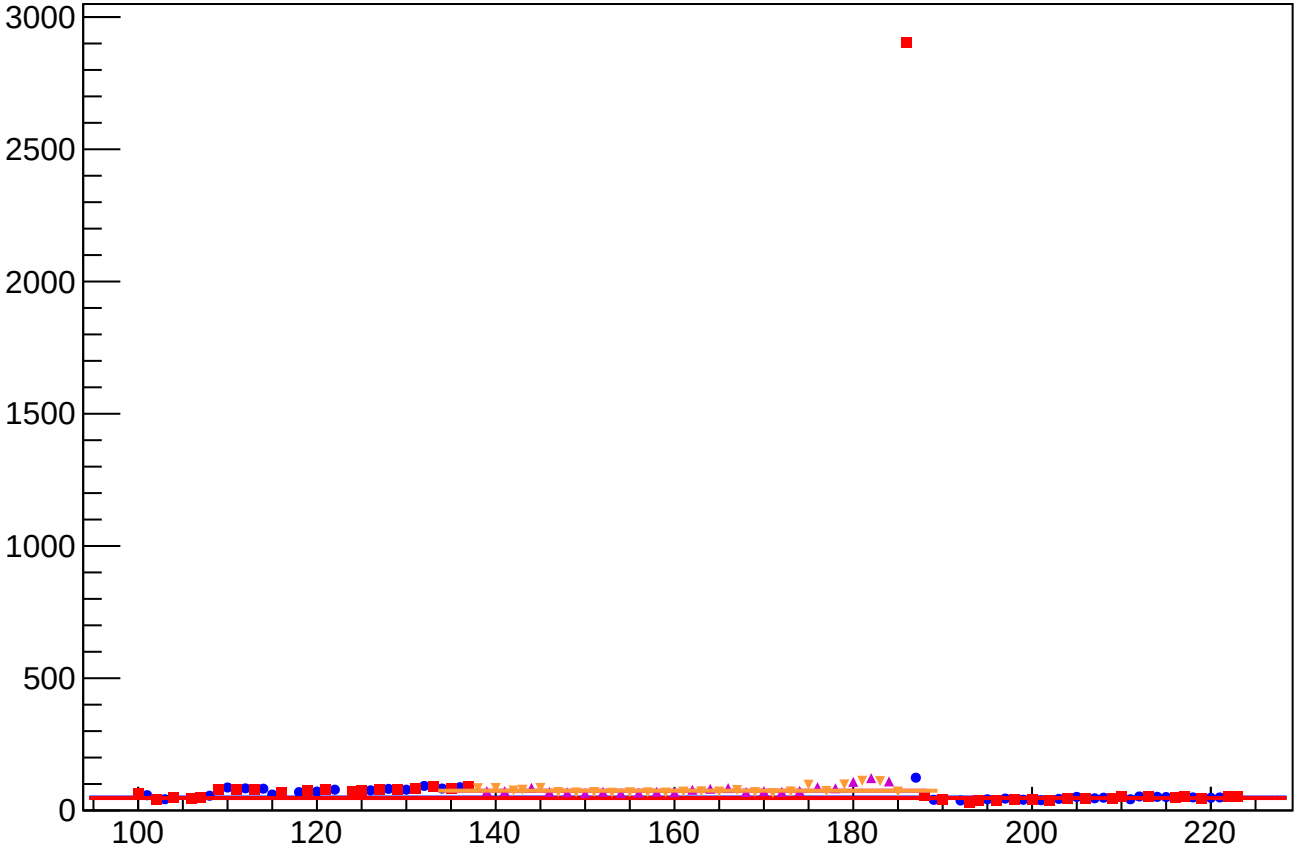
Right: 0.005+/-0.008 χ^2/NDF: 82.8/71

In: -0.017+/-0.009 χ^2/NDF:51.5/56

Out: 0.014+/-0.009 χ^2/NDF:73.8/62

All: -0.001+/-0.007 χ^2/NDF: 131.0/119

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

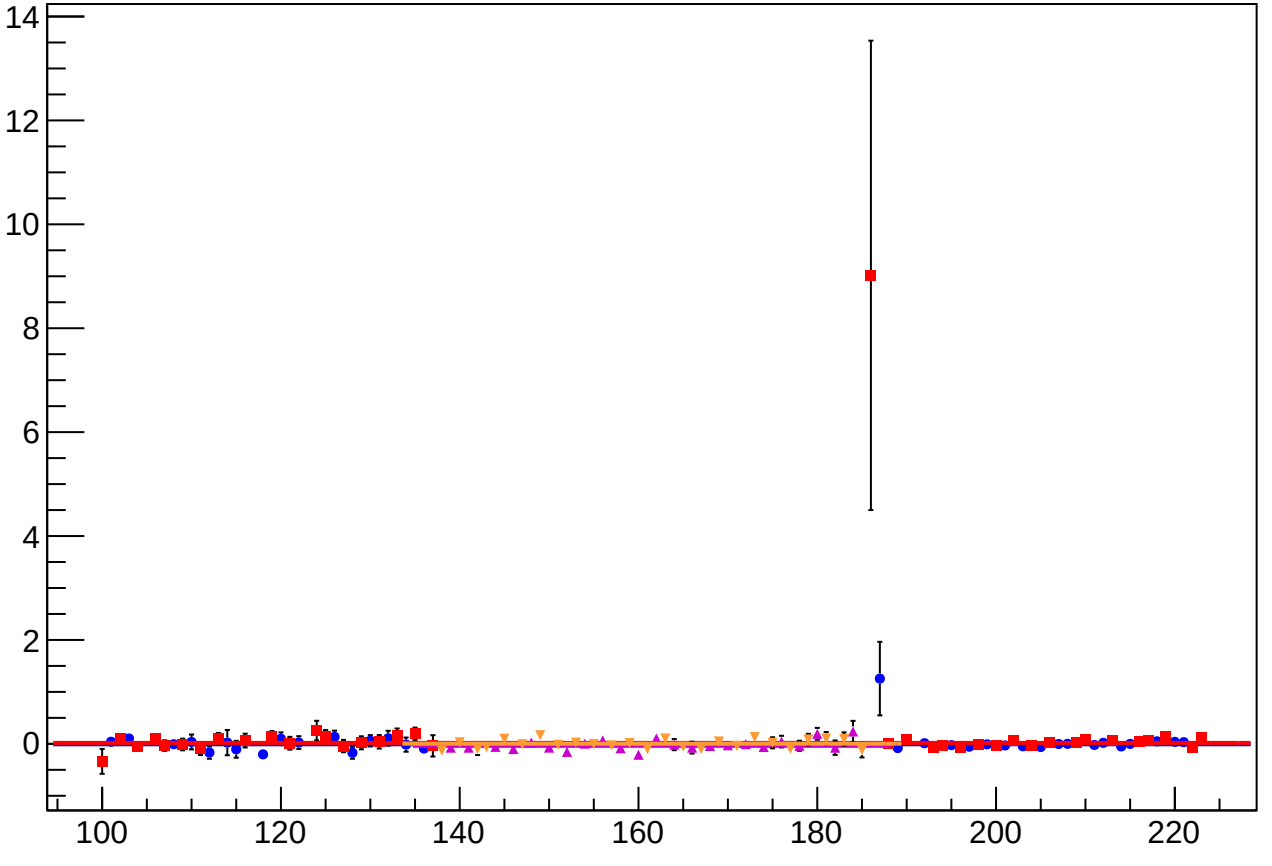
Right: 47.859+/-0.005 χ^2/NDF: 6074617.6/71

In: 55.984+/-0.007 χ^2/NDF:6007147.5/56

Out: 54.436+/-0.006 χ^2/NDF:8212317.2/62

All: 55.184+/-0.005 χ^2/NDF: 14247611.1/119

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

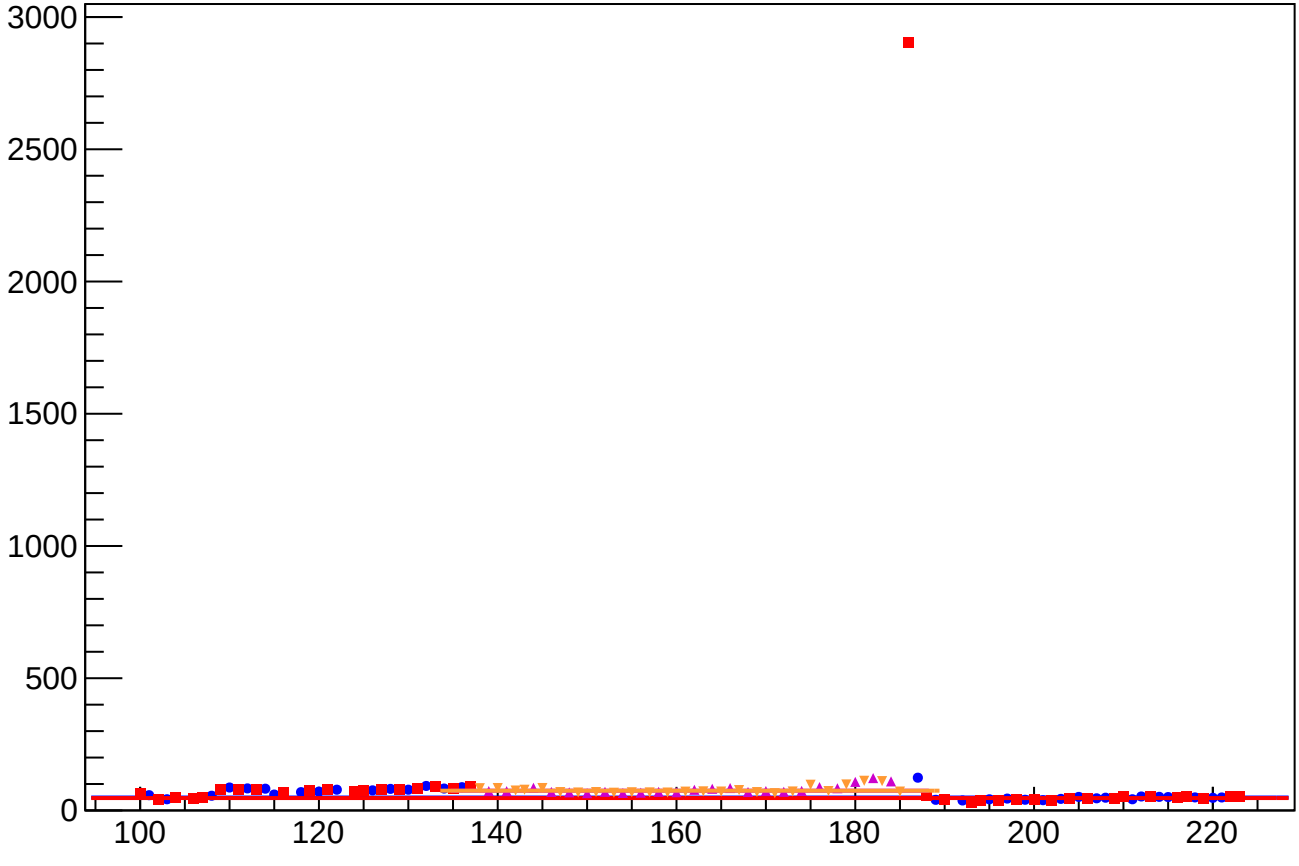
Right: 0.005+/-0.008 χ^2/NDF: 82.8/71

In: -0.017+/-0.009 χ^2/NDF:51.5/56

Out: 0.014+/-0.009 χ^2/NDF:73.8/62

All: -0.001+/-0.007 χ^2/NDF: 131.0/119

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

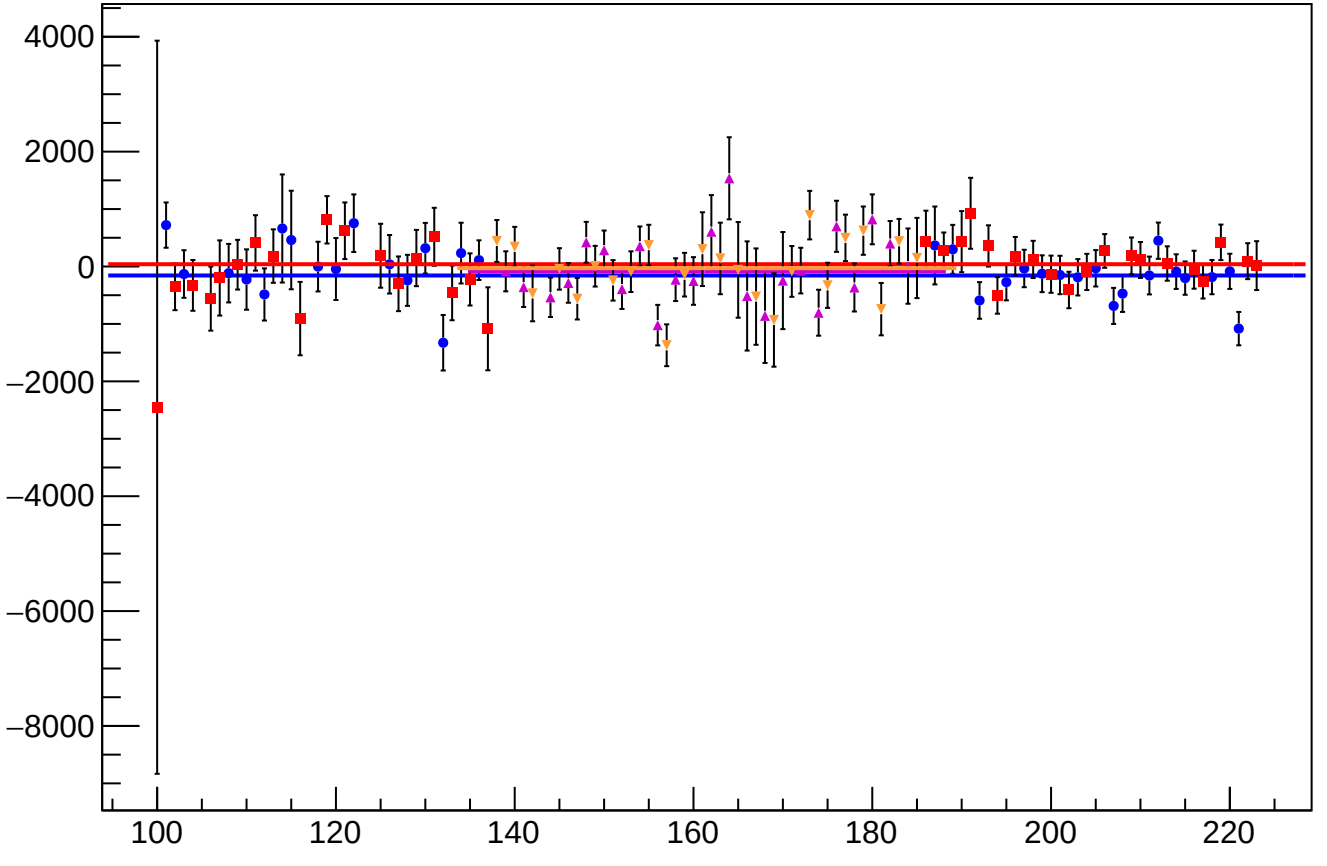
Right: 47.859+/-0.005 χ^2/NDF: 6074617.6/71

In: 55.984+/-0.007 χ^2/NDF:6007147.5/56

Out: 54.436+/-0.006 χ^2/NDF:8212317.2/62

All: 55.184+/-0.005 χ^2/NDF: 14247611.1/119

asym_dsl_mean vs Slug, Sign Corrected



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

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

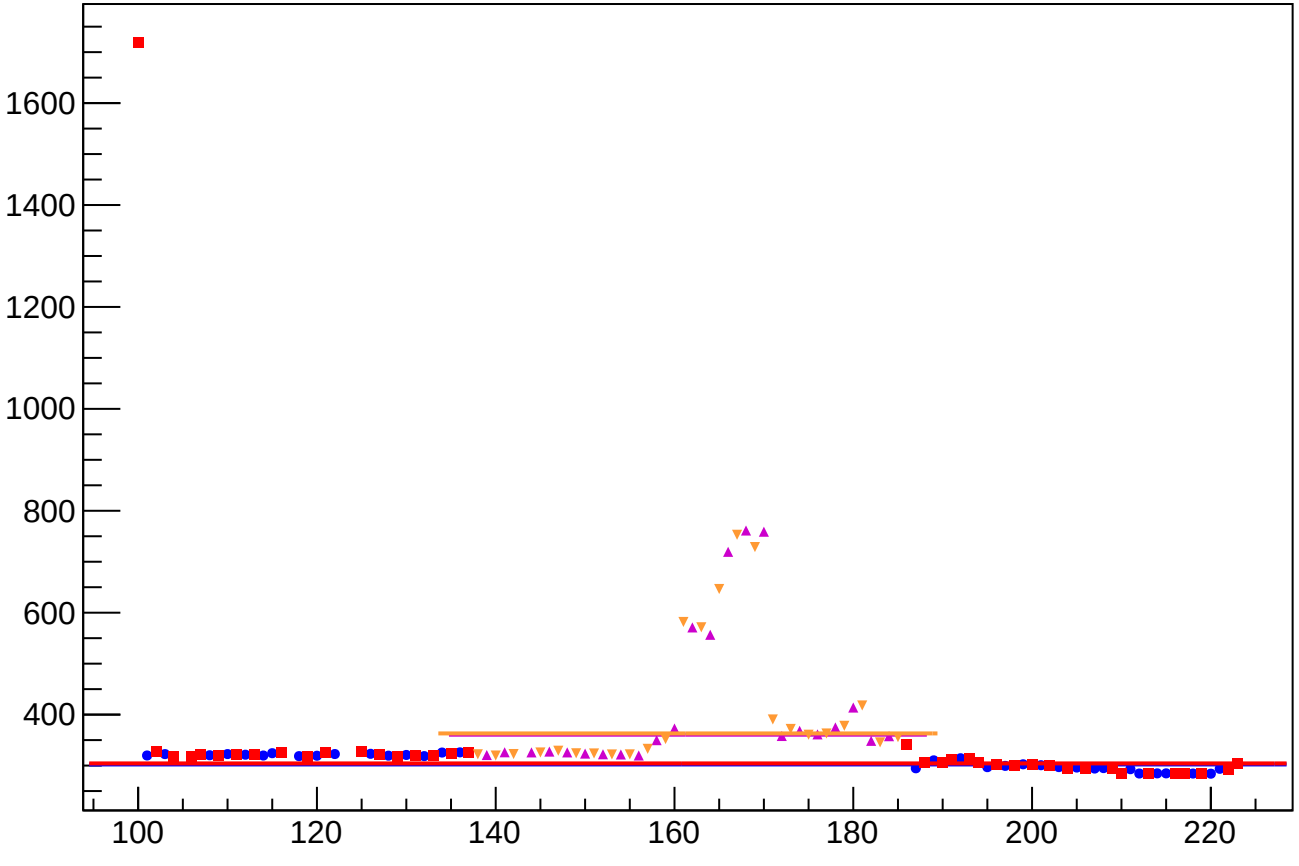
Right: -57.685+/-45.326 χ^2/NDF: 75.1/71

In: -130.627+/-51.626 χ^2/NDF:76.7/56

Out: 15.360+/-51.378 χ^2/NDF:66.9/61

All: -57.283+/-36.417 χ^2/NDF: 147.7/118

asym_dsl_rms vs Slug, Sign Corrected



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

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

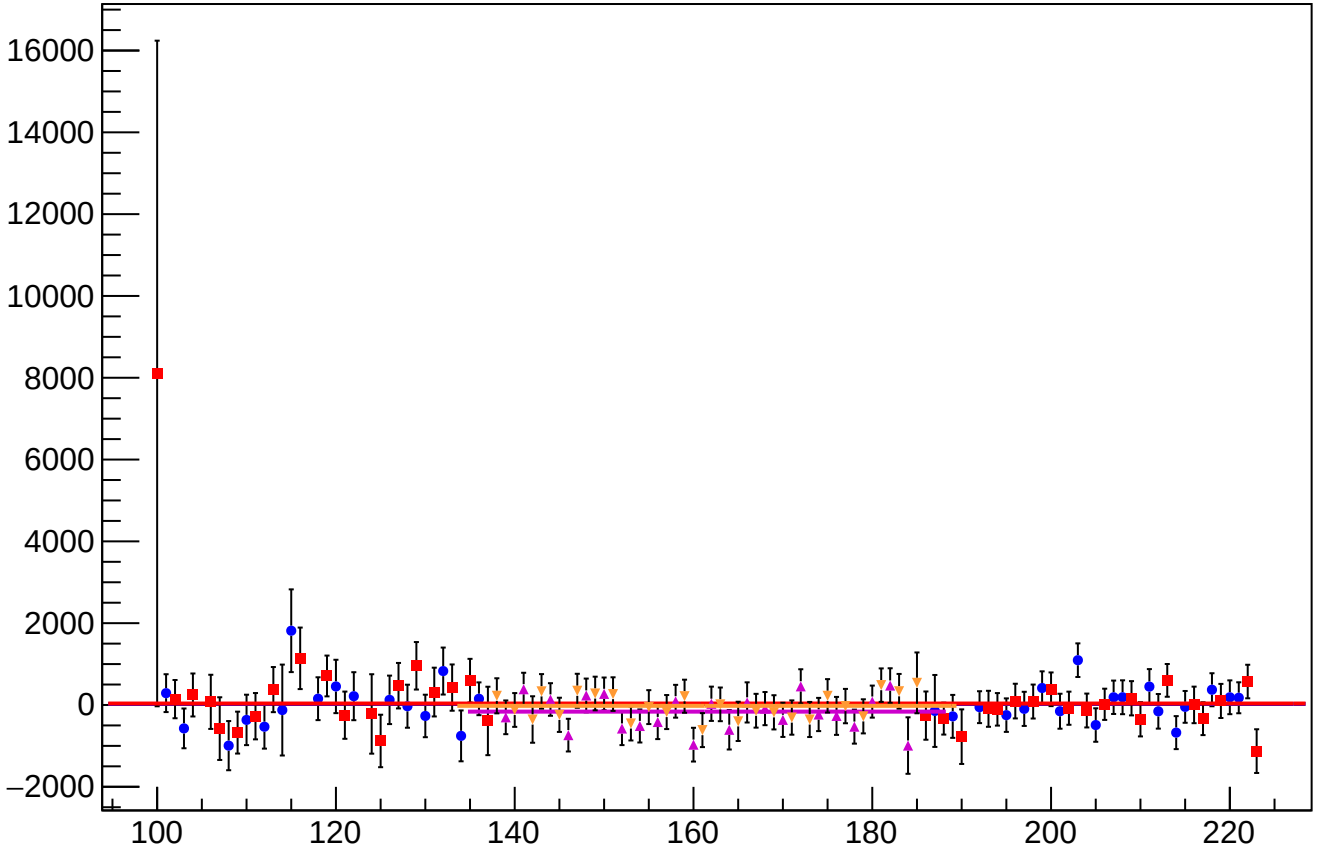
Right: 303.220+/-0.032 χ^2/NDF: 306769.9/71

In: 322.997+/-0.037 χ^2/NDF:2504453.0/56

Out: 324.985+/-0.036 χ^2/NDF:2600373.0/61

All: 323.996+/-0.026 χ^2/NDF: 5106316.0/118

asym_dsr_mean vs Slug, Sign Corrected



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

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

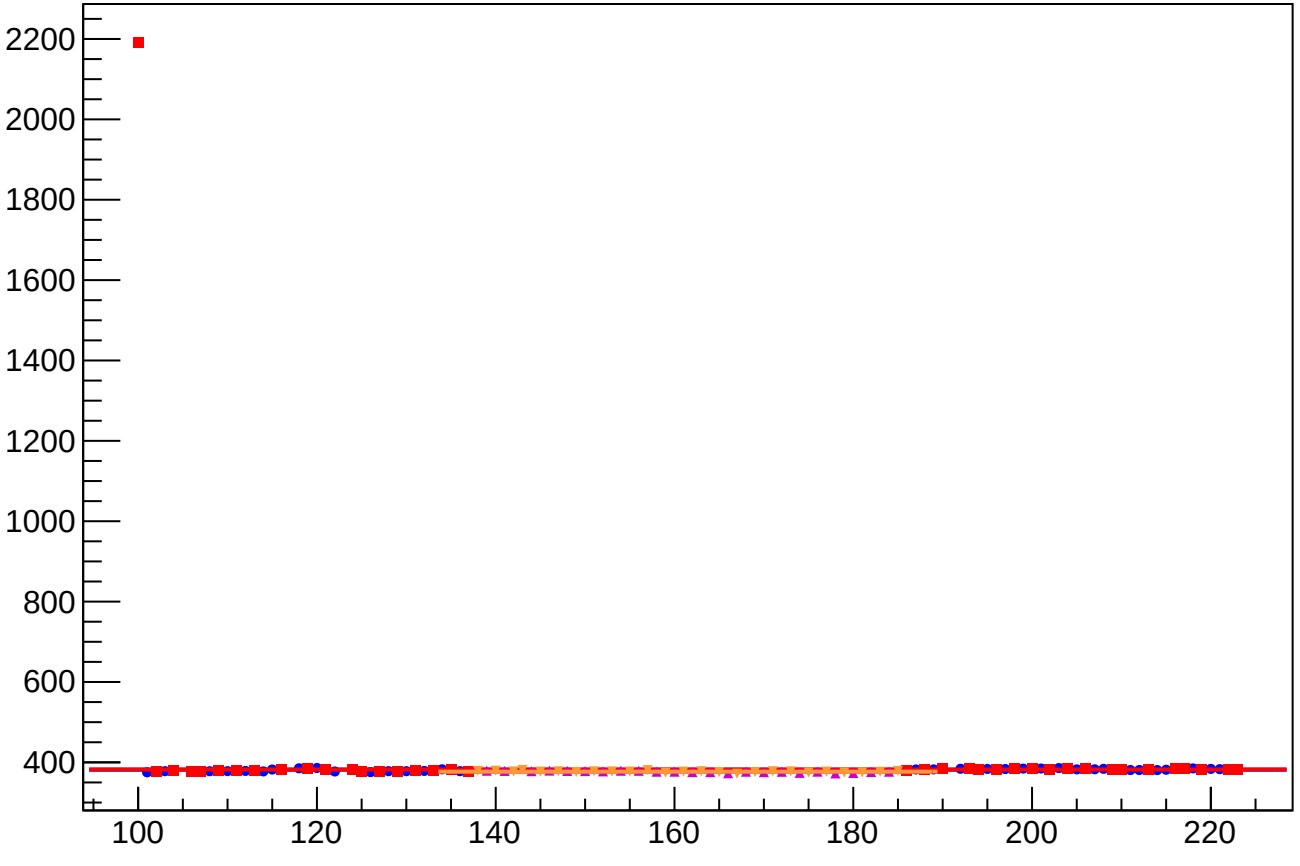
Right: 29.648+/-57.092 χ^2/NDF: 60.0/71

In: -62.009+/-59.671 χ^2/NDF:54.1/56

Out: 8.872+/-58.569 χ^2/NDF:42.9/62

All: -25.908+/-41.799 χ^2/NDF: 97.8/119

asym_dsr_rms vs Slug, Sign Corrected



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

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

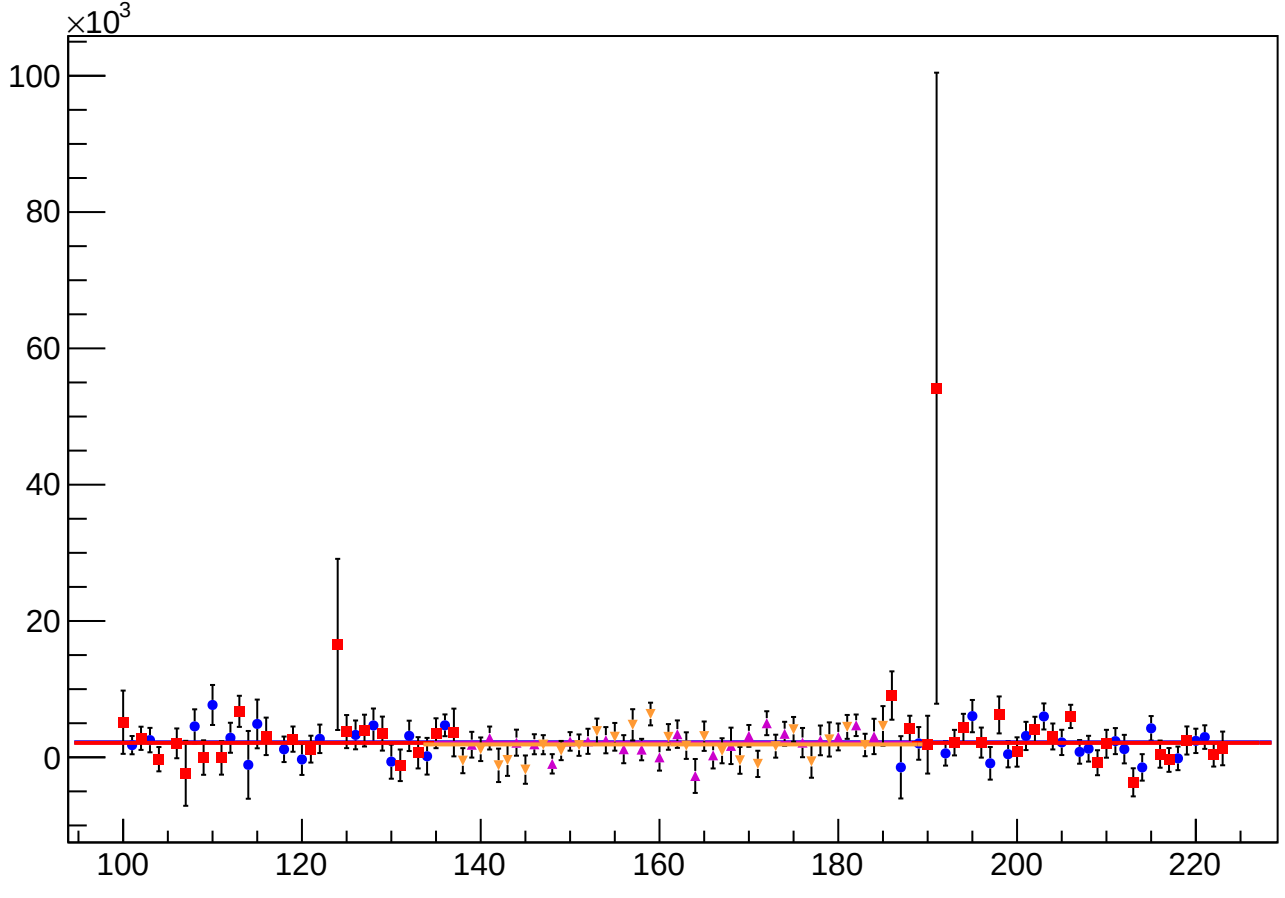
Right: 381.998+/-0.040 χ^2/NDF: 103350.6/71

In: 379.491+/-0.042 χ^2/NDF:6896.0/56

Out: 379.747+/-0.041 χ^2/NDF:106034.9/62

All: 379.622+/-0.030 χ^2/NDF: 112949.7/119

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

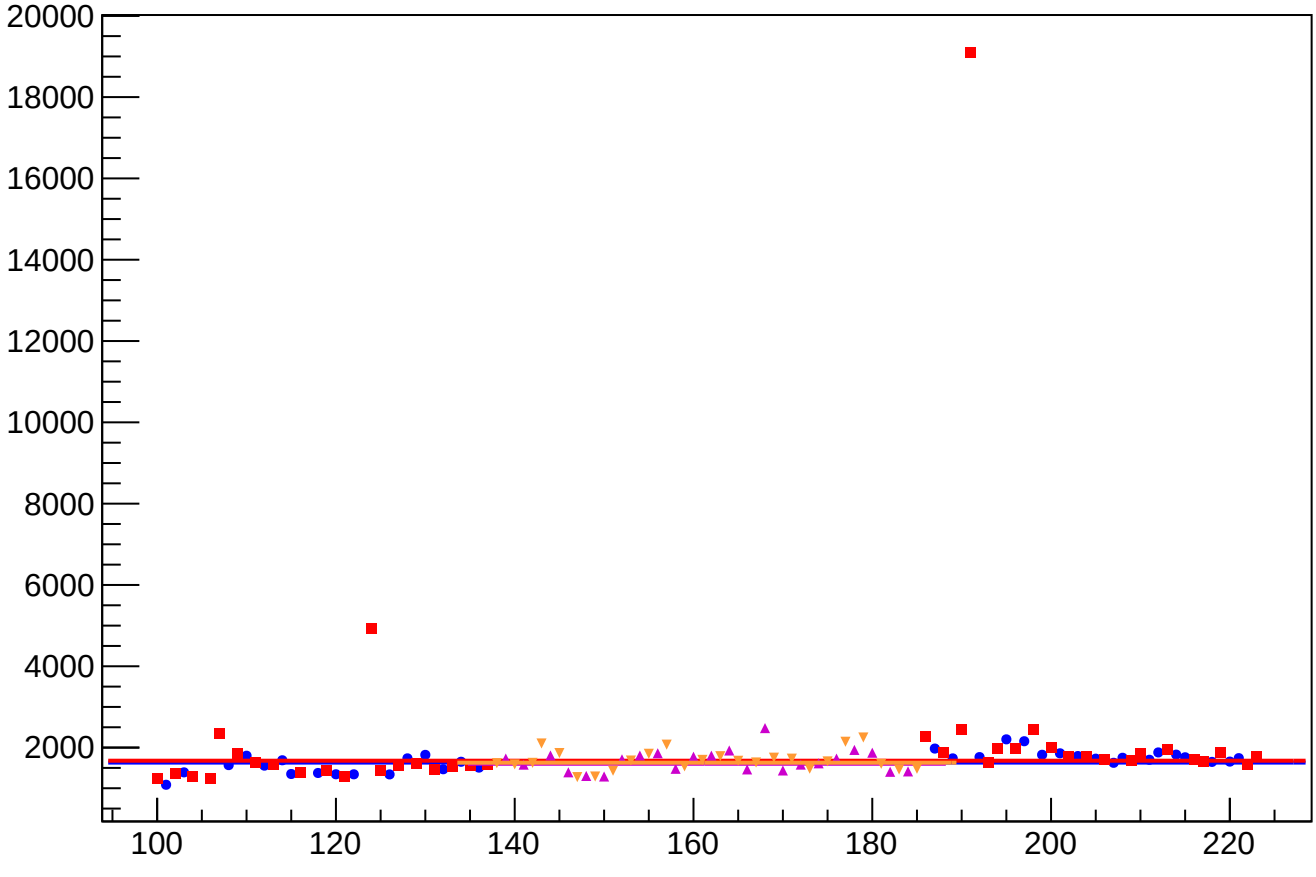
Right: 2158.815+/-250.818 χ^2/NDF: 77.7/72

In: 2157.094+/-257.894 χ^2/NDF:50.4/56

Out: 2008.291+/-258.887 χ^2/NDF:74.5/63

All: 2082.978+/-182.709 χ^2/NDF: 125.0/120

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

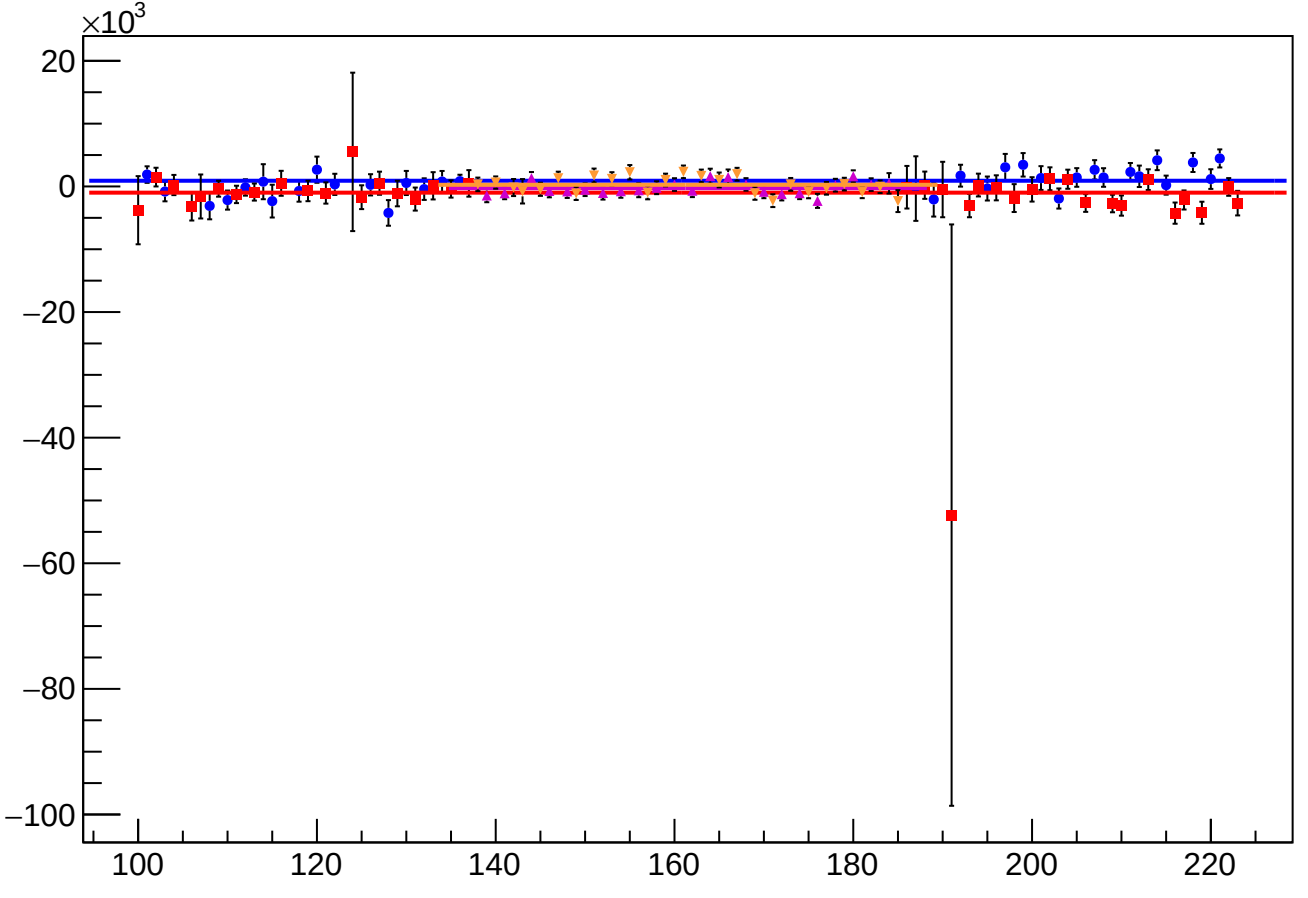
Right: 1653.818+/-0.177 χ^2/NDF: 2421978.3/72

In: 1617.389+/-0.182 χ^2/NDF:1755038.1/56

Out: 1654.063+/-0.183 χ^2/NDF:2247074.5/63

All: 1635.656+/-0.129 χ^2/NDF: 4022256.6/12

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

Right: -29.428+/-203.335 χ^2/NDF: 97.0/72

In: 164.114+/-173.184 χ^2/NDF:77.4/56

Out: -182.829+/-172.544 χ^2/NDF:75.8/63

All: -10.000+/-122.233 χ^2/NDF: 155.2/120

asym_us_agg_dd_rms vs Slug, Sign Corrected

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

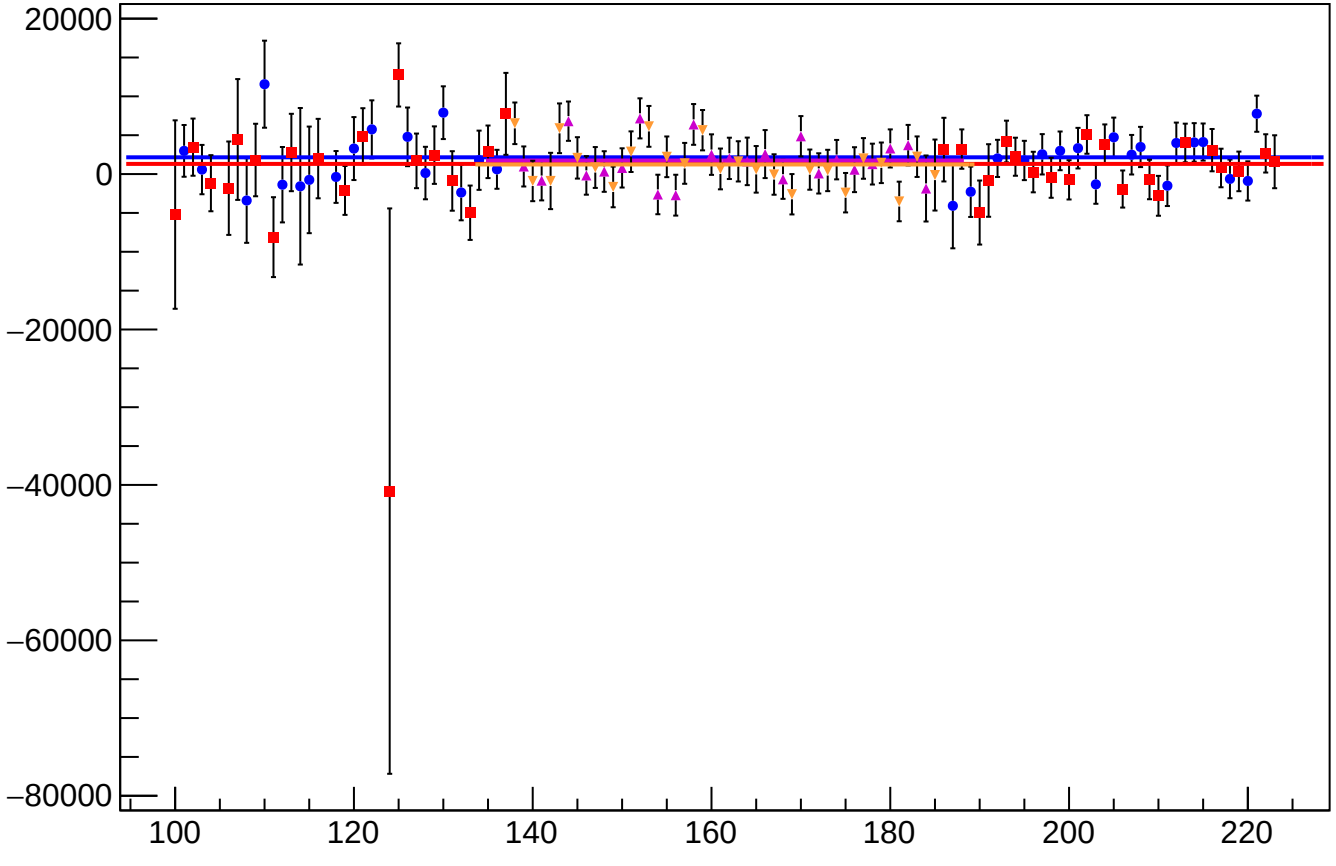
Right: 1325.755+/-0.144 χ^2/NDF: 4615945.3/72

In: 1071.676+/-0.122 χ^2/NDF:4138112.7/56

Out: 1082.419+/-0.122 χ^2/NDF:5627034.3/63

All: 1077.067+/-0.086 χ^2/NDF: 9769008.7/12

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

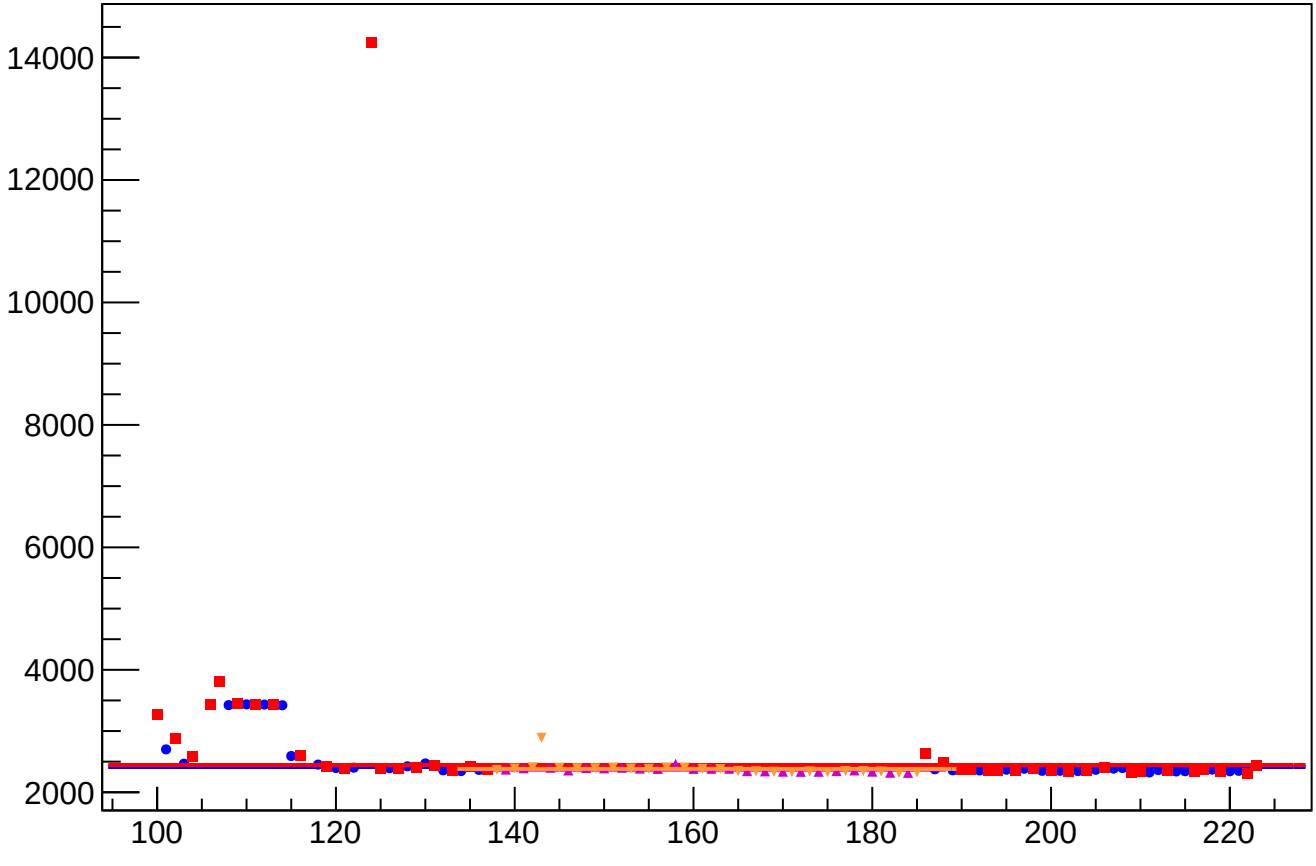
Right: 1731.457+/-363.952 χ^2/NDF: 70.9/72

In: 1963.689+/-376.925 χ^2/NDF:56.0/56

Out: 1273.036+/-372.917 χ^2/NDF:62.0/63

All: 1614.671+/-265.098 χ^2/NDF: 119.8/120

reg_asym_atl1_rms vs Slug, Sign Corrected



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

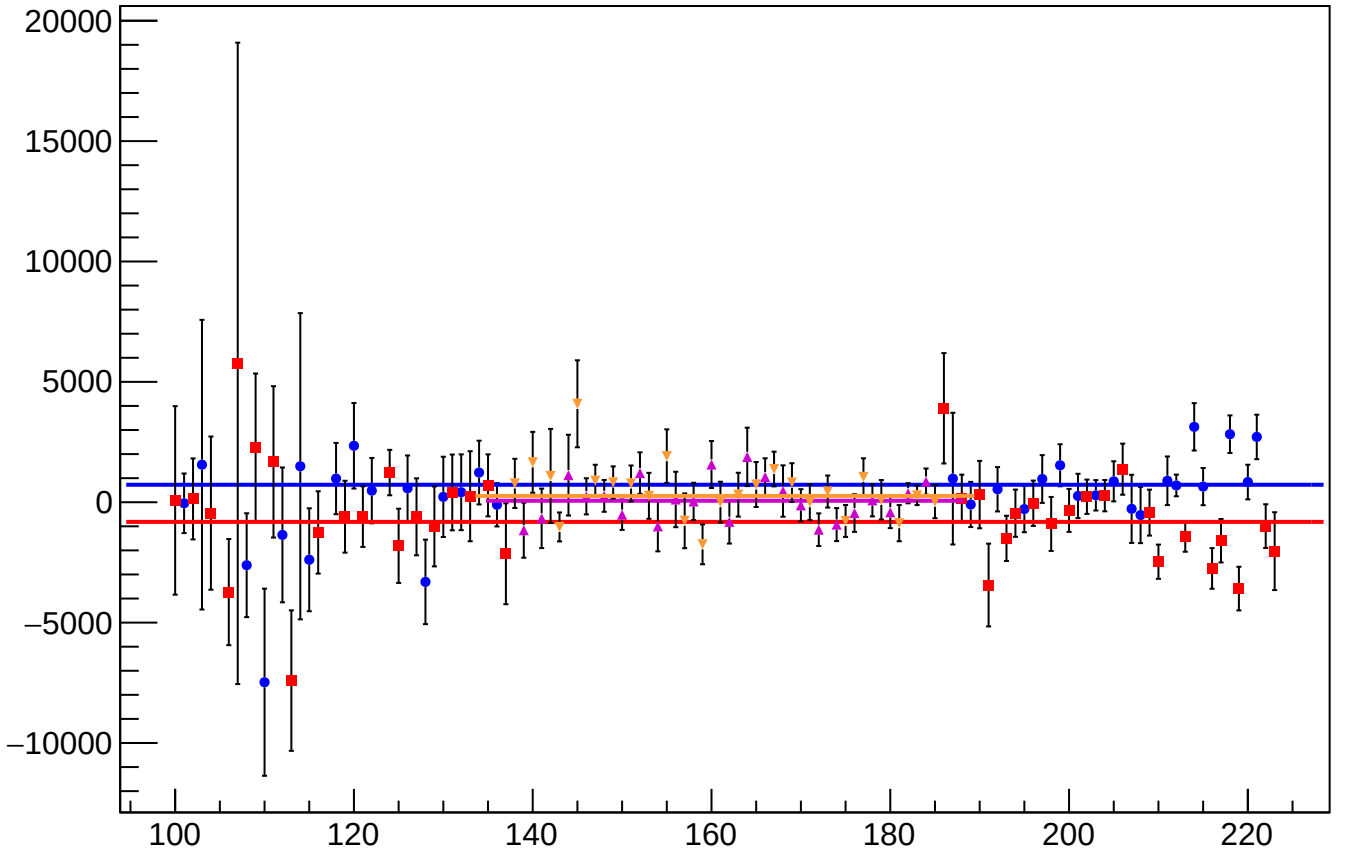
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2429.228+/-0.257 χ^2/NDF: 952389.8/72

In: 2392.771+/-0.267 χ^2/NDF:294793.6/56

Out: 2414.945+/-0.264 χ^2/NDF:739731.7/63

All: 2403.977+/-0.187 χ^2/NDF: 1038023.3/12



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

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

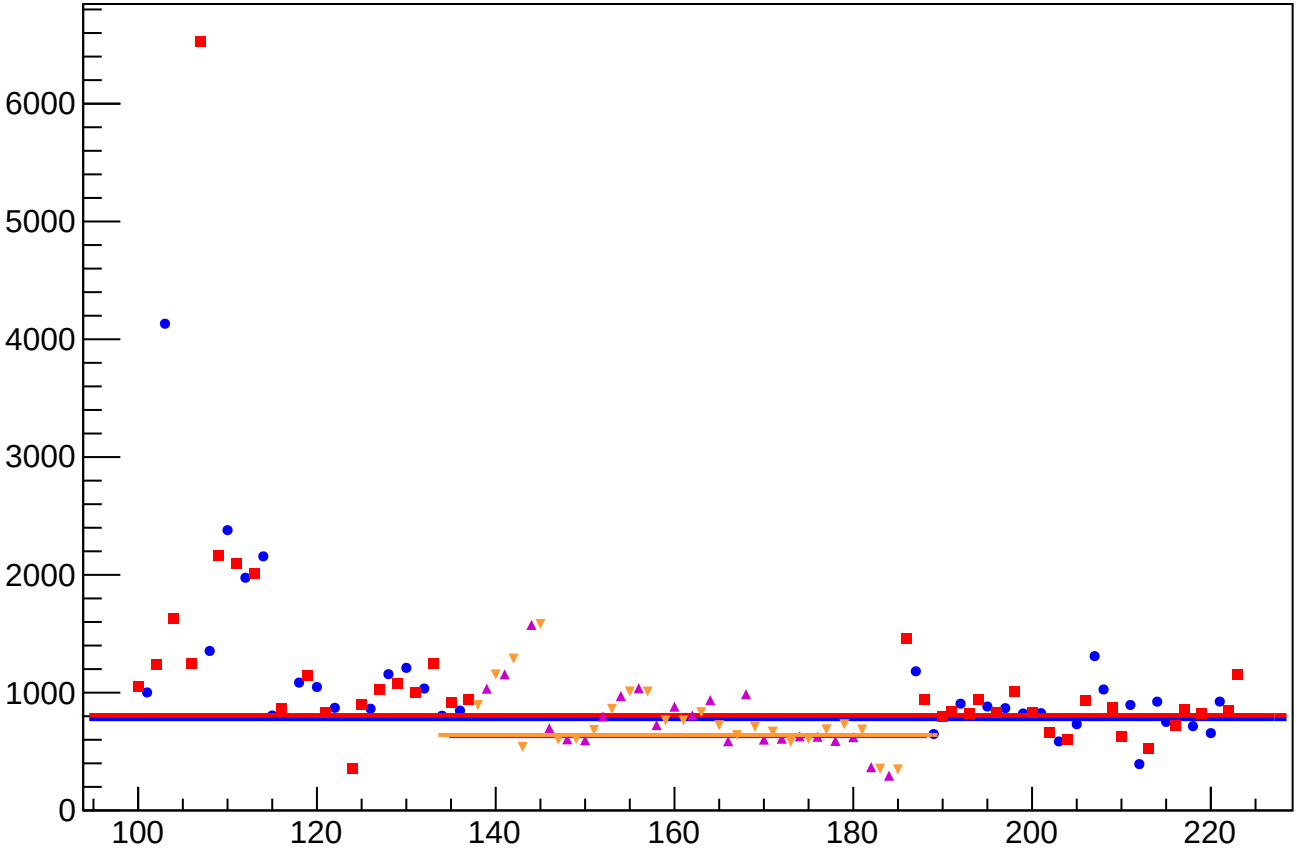
Right: -25.834+/-127.270 χ^2/NDF: 135.9/72

In: 353.779+/-117.847 χ^2/NDF:70.3/56

Out: -187.194+/-117.639 χ^2/NDF:110.3/63

All: 82.813+/-83.257 χ^2/NDF: 191.1/120

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



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

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

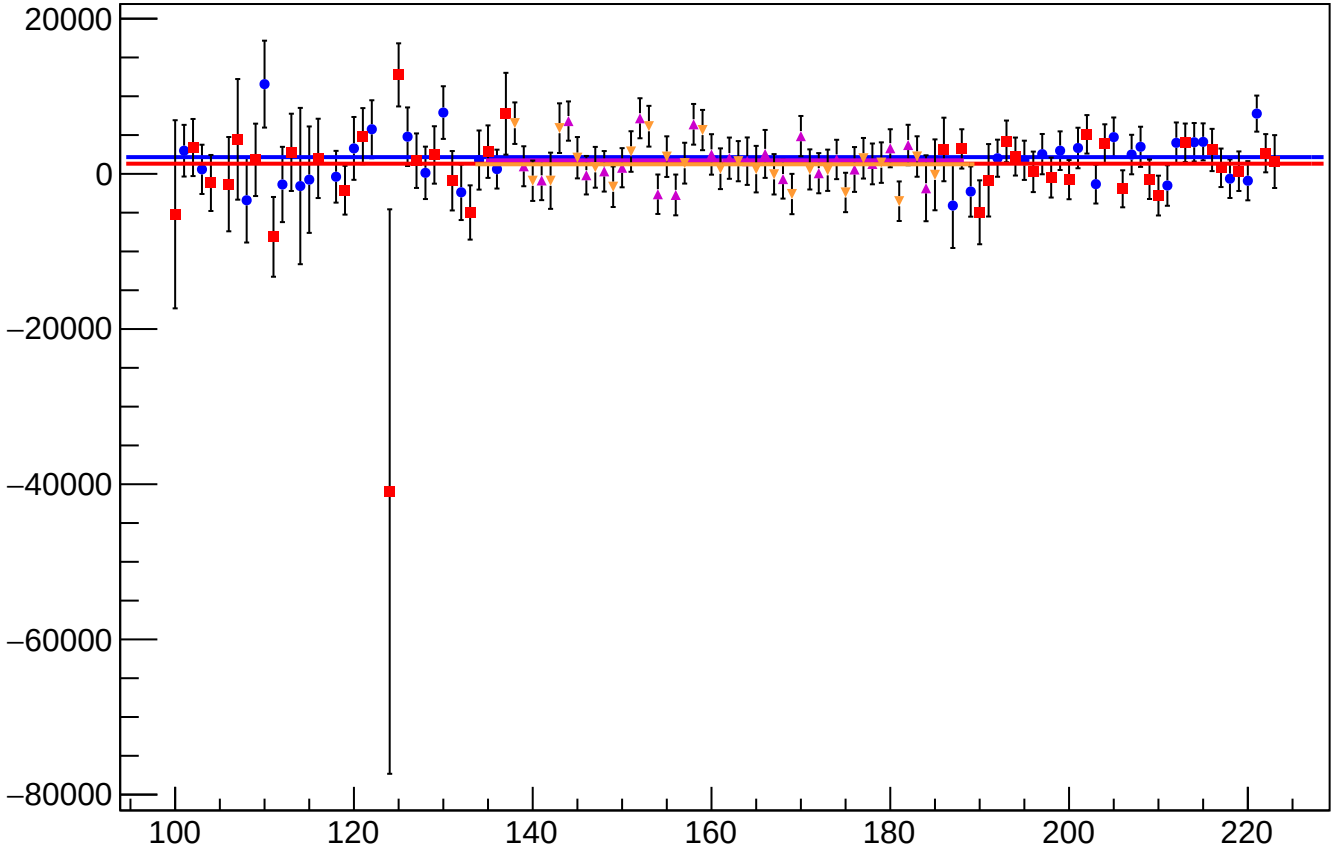
Right: 792.259+/-0.090 χ^2/NDF: 8401976.3/72

In: 694.474+/-0.083 χ^2/NDF:9167611.9/56

Out: 711.563+/-0.083 χ^2/NDF:8386065.7/63

All: 703.034+/-0.059 χ^2/NDF: 17574741.9/12

cor_asym_atl1_mean vs Slug, Sign Corrected



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

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

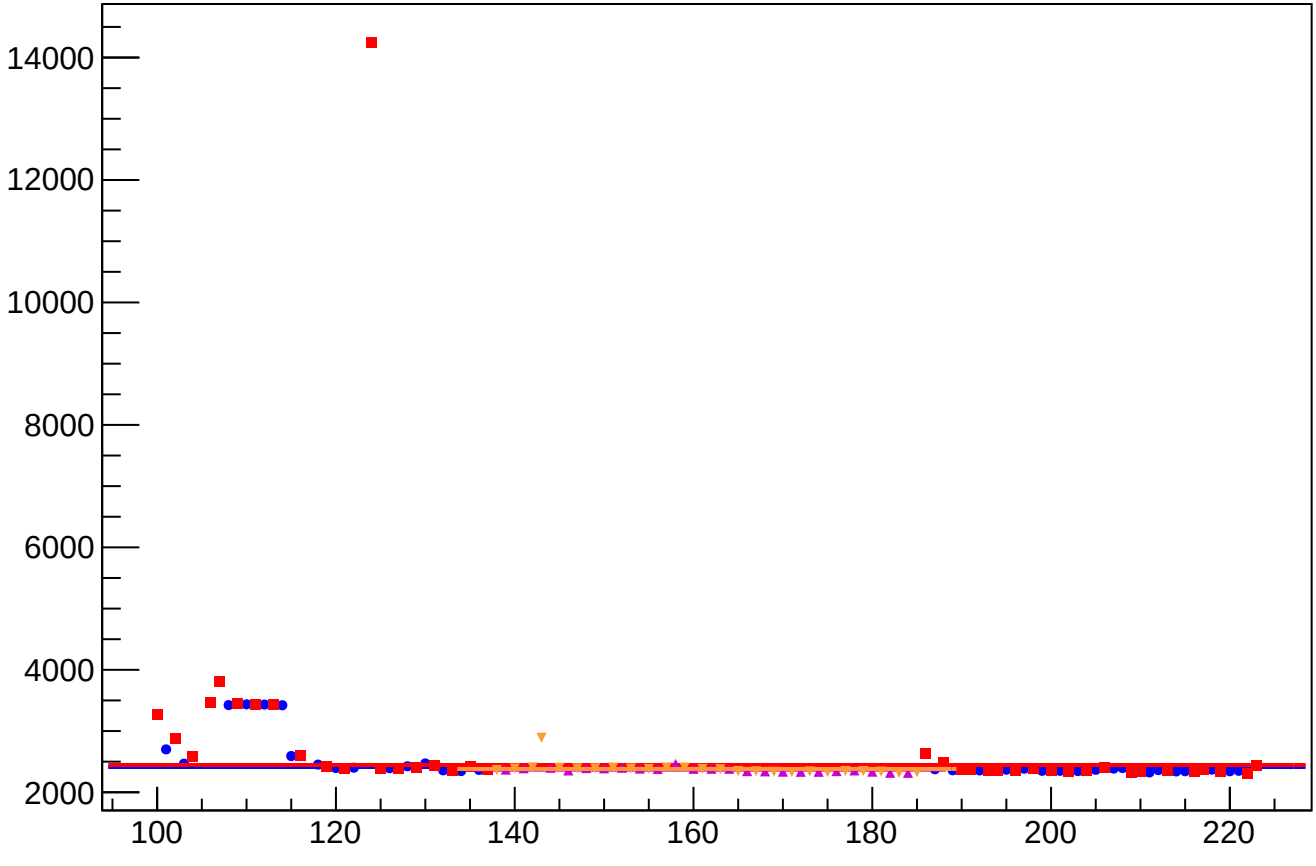
Right: 1732.892+/-363.968 χ^2/NDF: 70.8/72

In: 1963.796+/-376.925 χ^2/NDF:56.0/56

Out: 1274.411+/-372.934 χ^2/NDF:61.9/63

All: 1615.434+/-265.104 χ^2/NDF: 119.7/120

cor_asym_atl1_rms vs Slug, Sign Corrected



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

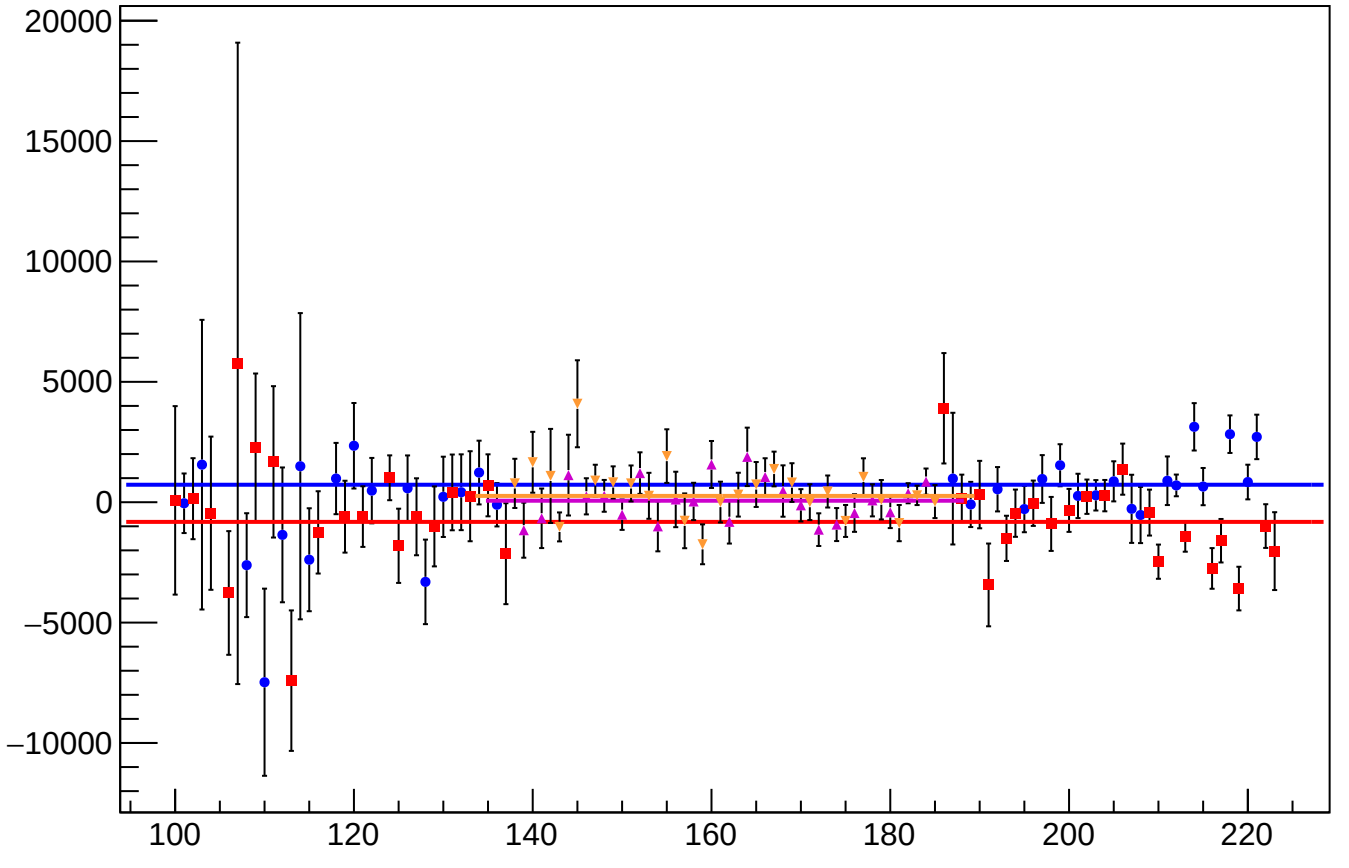
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2429.286+/-0.257 χ^2/NDF: 955409.0/72

In: 2392.771+/-0.267 χ^2/NDF:294793.7/56

Out: 2415.005+/-0.264 χ^2/NDF:742775.5/63

All: 2404.006+/-0.187 χ^2/NDF: 1041085.8/12



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

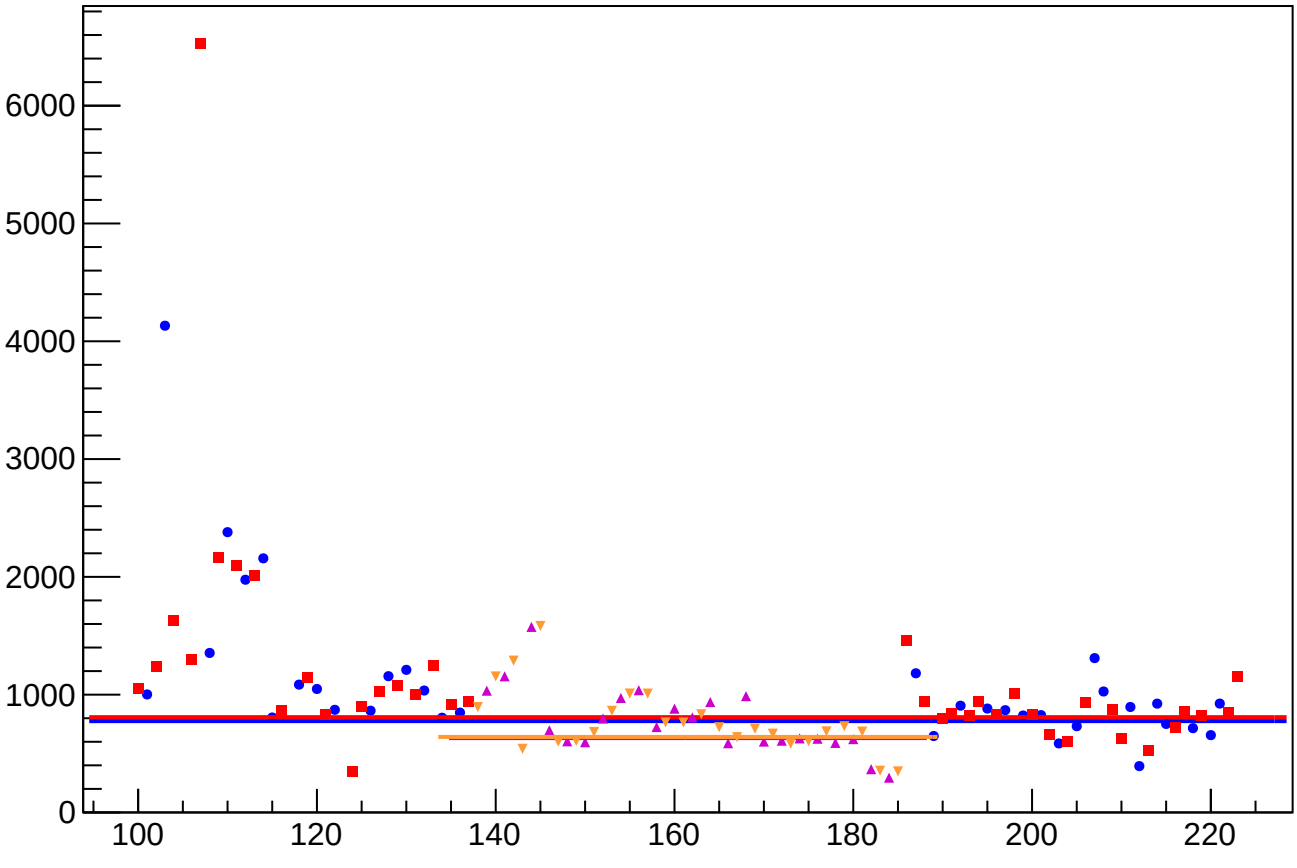
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -26.034+/-127.294 χ^2/NDF: 134.6/72

In: 353.768+/-117.847 χ^2/NDF:70.2/56

Out: -187.239+/-117.659 χ^2/NDF:109.0/63

All: 82.832+/-83.264 χ^2/NDF: 189.8/120



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

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

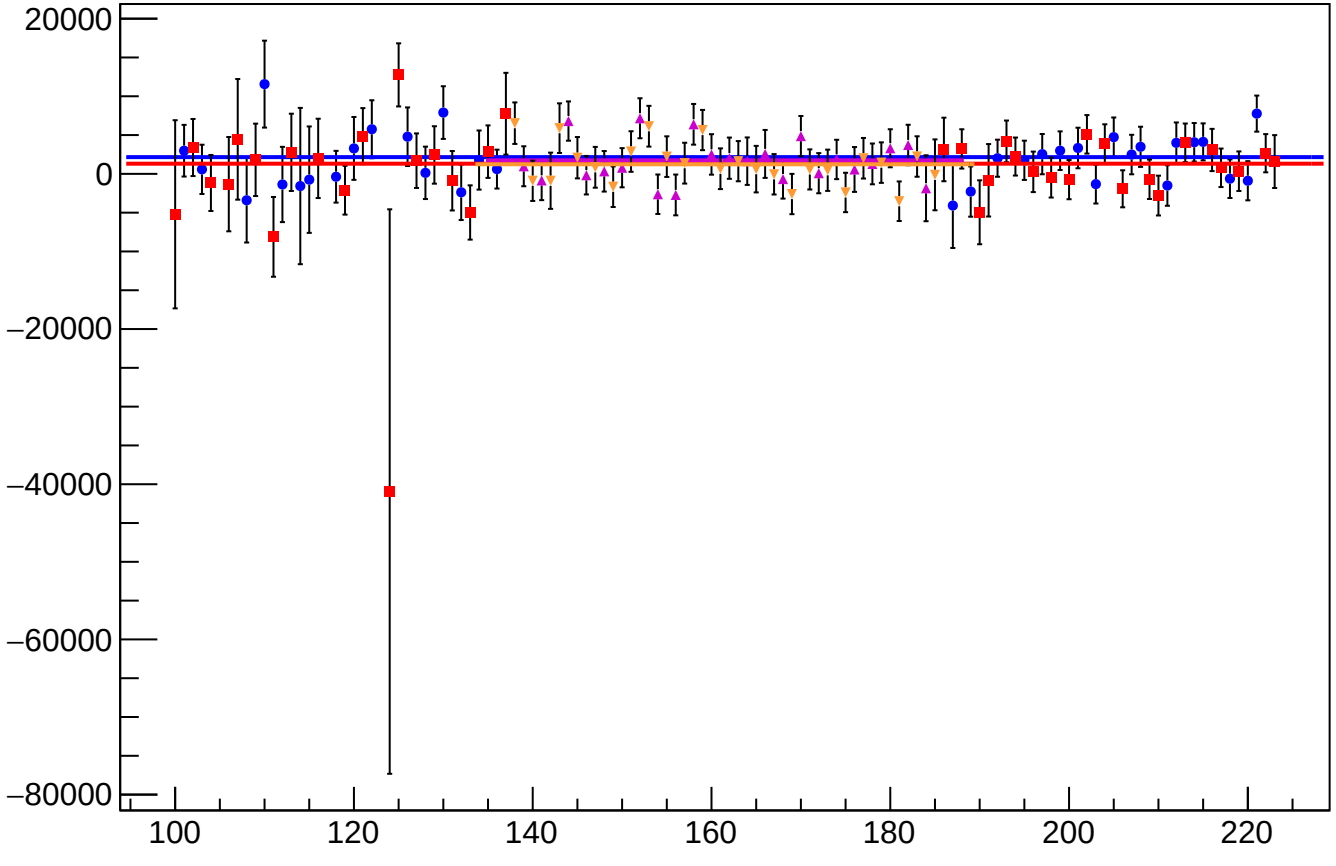
Right: 791.679+/-0.090 χ^2/NDF: 8413946.9/72

In: 694.476+/-0.083 χ^2/NDF:9167421.8/56

Out: 711.046+/-0.083 χ^2/NDF:8386089.9/63

All: 702.774+/-0.059 χ^2/NDF: 17573313.1/12

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



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

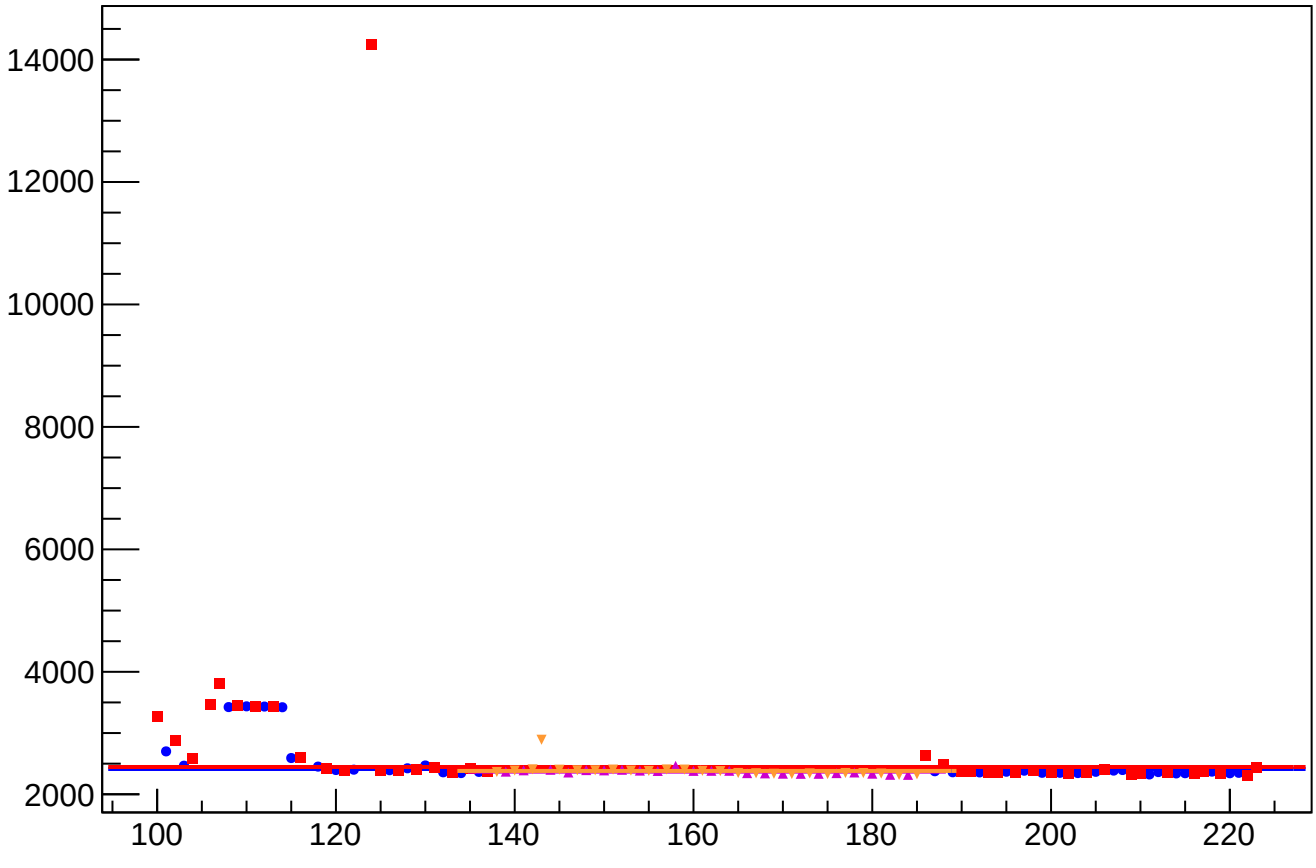
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

Right: 1732.892+/-363.968 χ^2/NDF: 70.8/72

In: 1963.796+/-376.925 χ^2/NDF:56.0/56

Out: 1274.411+/-372.934 χ^2/NDF:61.9/63

All: 1615.434+/-265.104 χ^2/NDF: 119.7/120



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

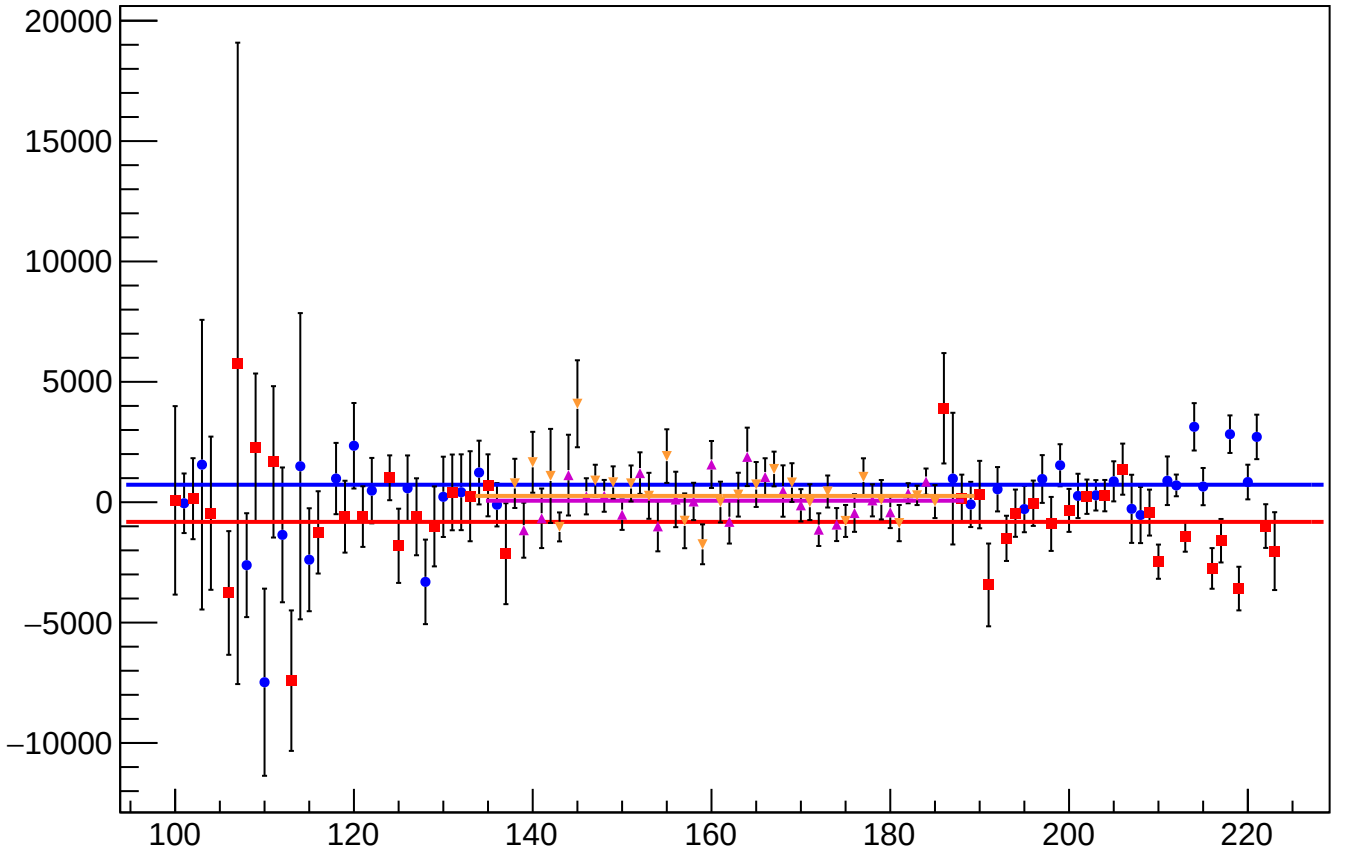
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2429.286+/-0.257 χ^2/NDF: 955409.0/72

In: 2392.771+/-0.267 χ^2/NDF:294793.7/56

Out: 2415.005+/-0.264 χ^2/NDF:742775.5/63

All: 2404.006+/-0.187 χ^2/NDF: 1041085.8/12



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

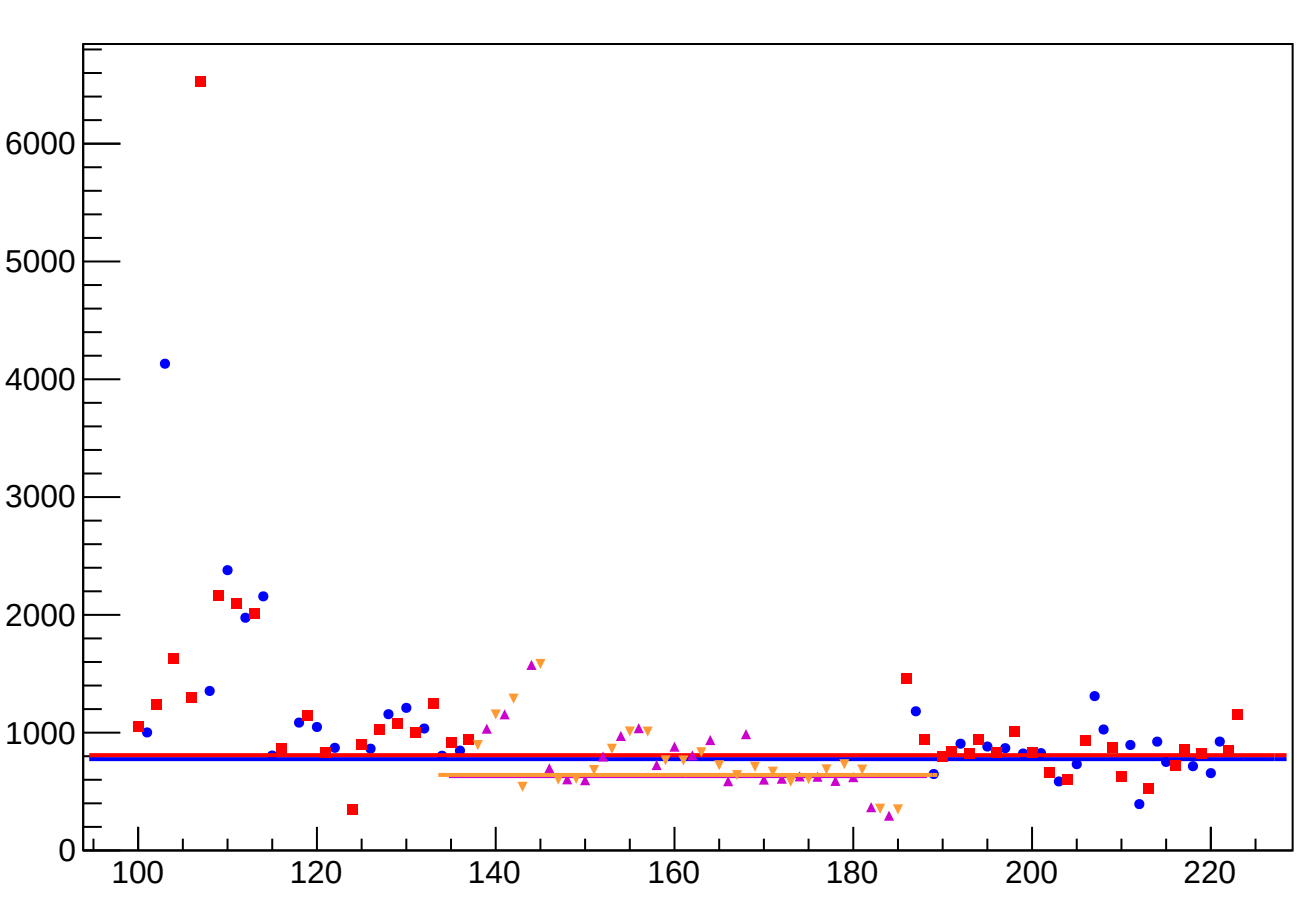
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -26.034+/-127.294 χ^2/NDF: 134.6/72

In: 353.768+/-117.847 χ^2/NDF:70.2/56

Out: -187.239+/-117.659 χ^2/NDF:109.0/63

All: 82.832+/-83.264 χ^2/NDF: 189.8/120



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

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

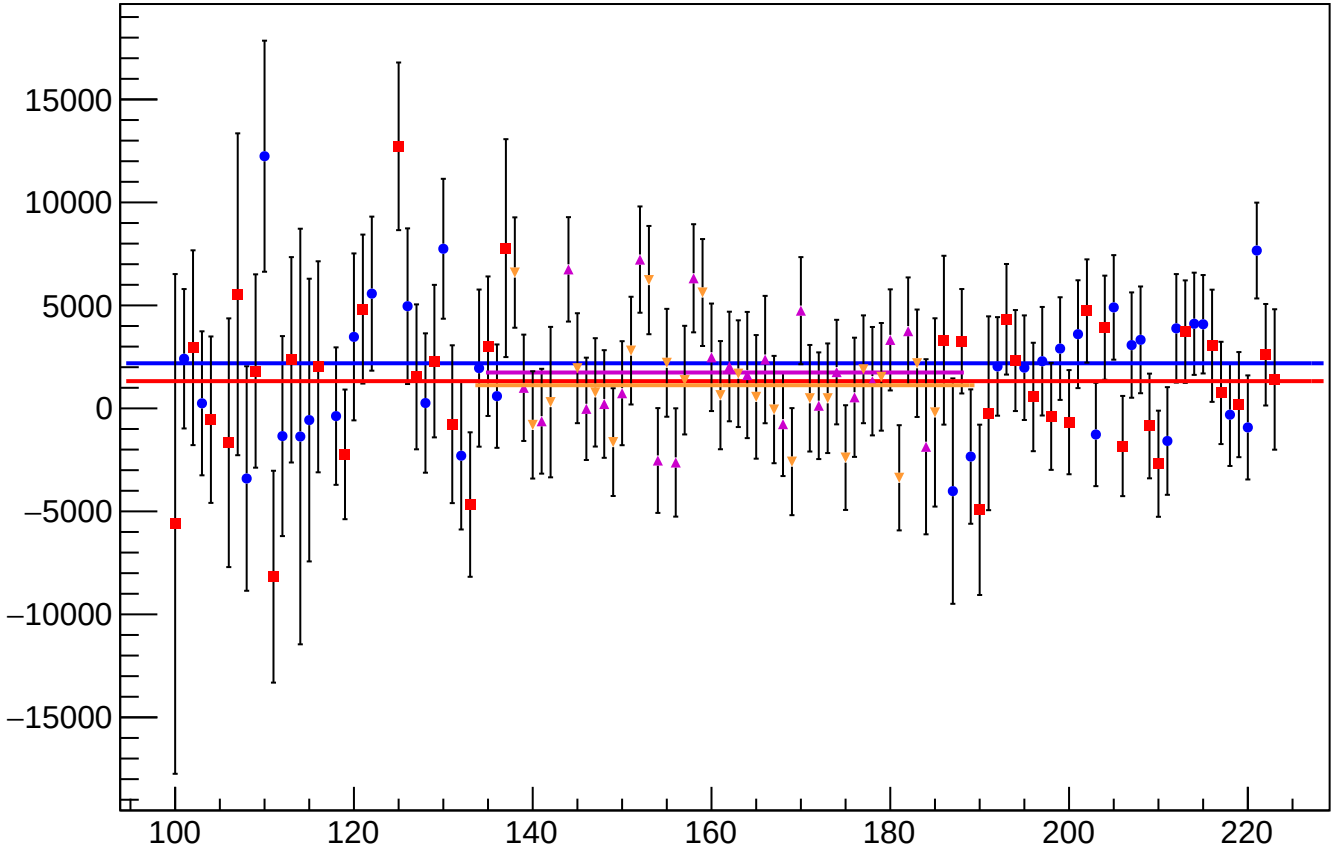
Right: 791.679+/-0.090 χ^2/NDF: 8413946.9/72

In: 694.476+/-0.083 χ^2/NDF:9167421.8/56

Out: 711.046+/-0.083 χ^2/NDF:8386089.9/63

All: 702.774+/-0.059 χ^2/NDF: 17573313.1/12

dit_asym_atl1_mean vs Slug, Sign Corrected



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

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

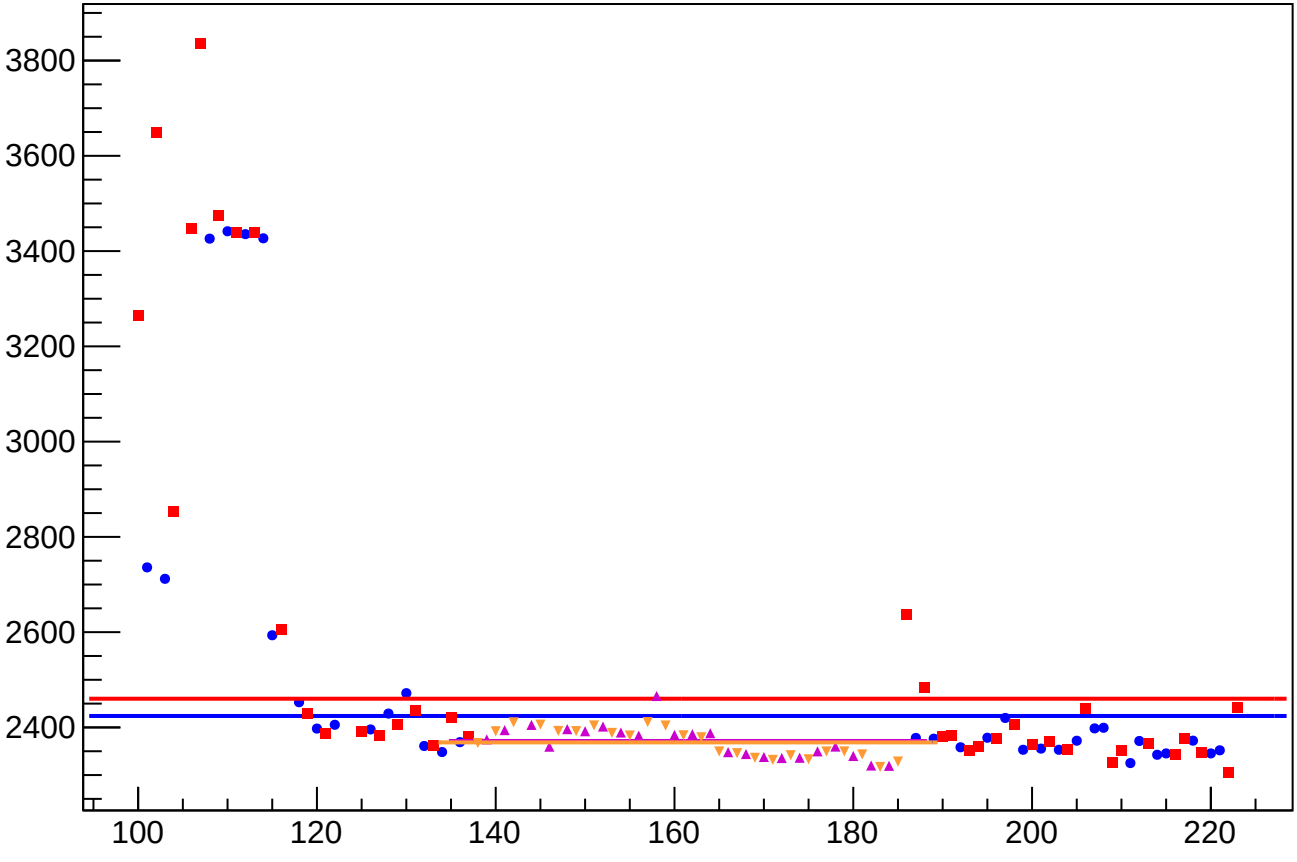
Right: 1758.058+/-366.546 χ^2/NDF: 67.7/71

In: 1981.423+/-378.069 χ^2/NDF:55.3/56

Out: 1229.782+/-377.542 χ^2/NDF:56.4/61

All: 1605.077+/-267.149 χ^2/NDF: 113.7/118

dit_asym_atl1_rms vs Slug, Sign Corrected



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

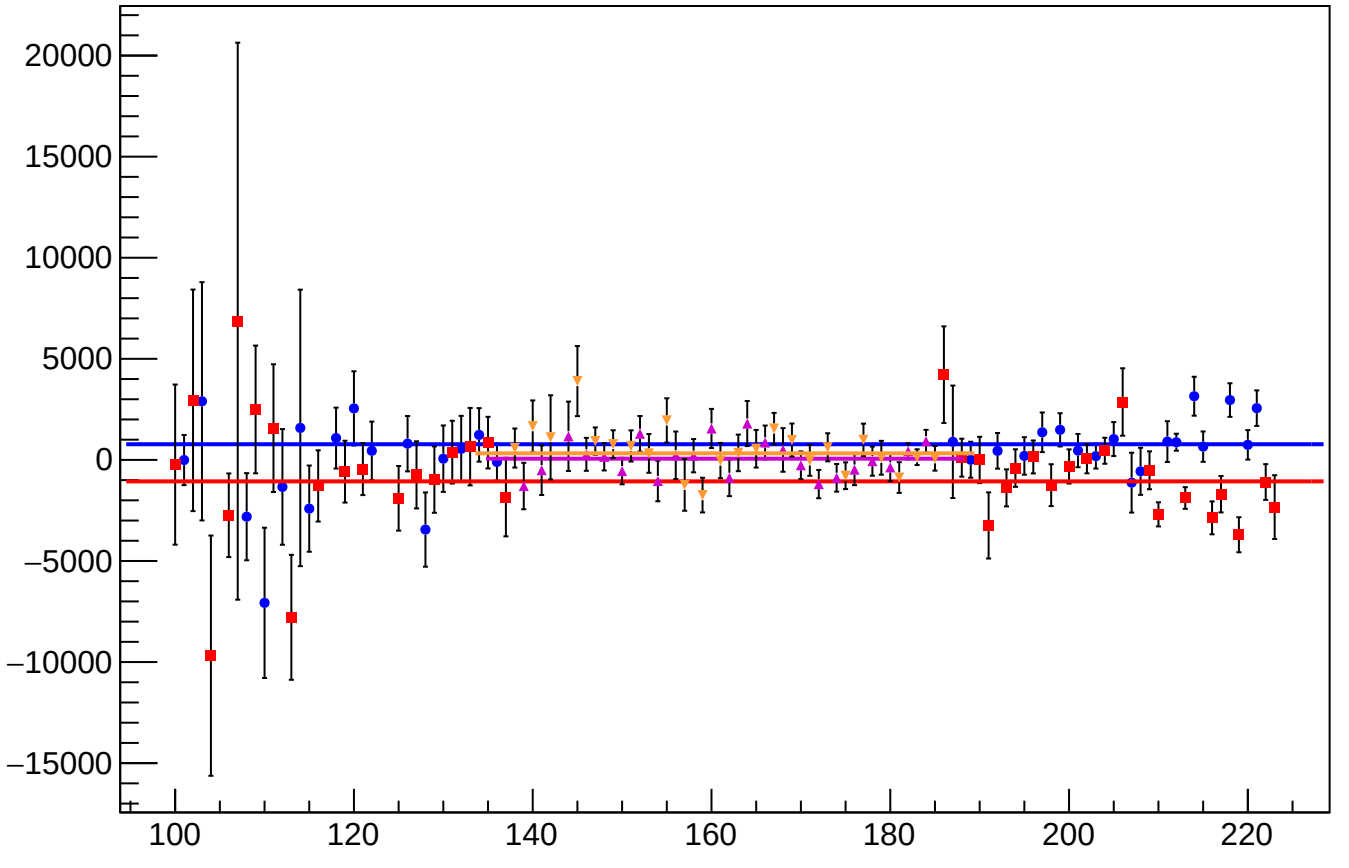
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

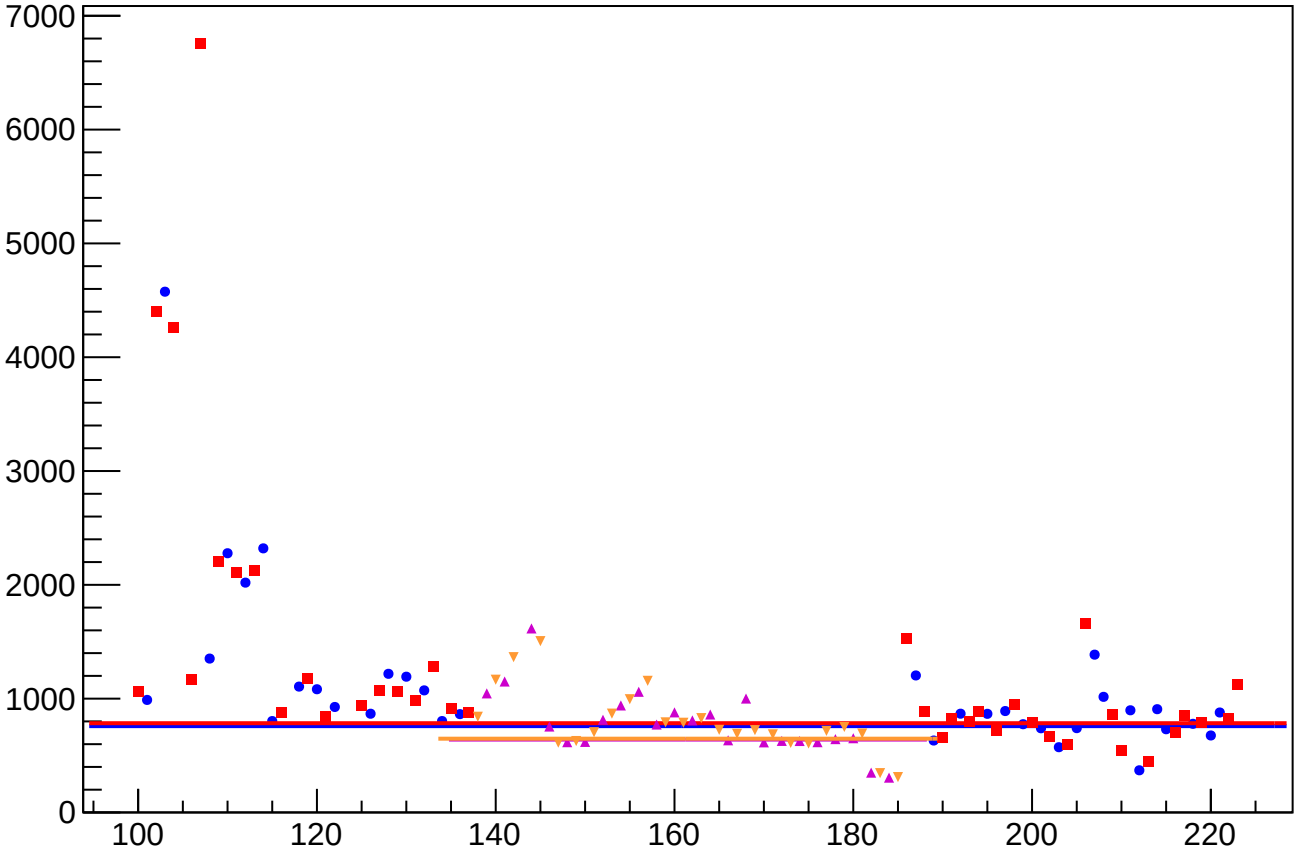
Right: 2442.089+/-0.259 χ^2/NDF: 873818.4/71

In: 2399.557+/-0.267 χ^2/NDF:312862.4/56

Out: 2417.035+/-0.267 χ^2/NDF:607703.0/61

All: 2408.309+/-0.189 χ^2/NDF: 922705.6/118


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 774.674+/-173.854 χ²/NDF: 41.9/33
Left Out: 325.955+/-160.041 χ²/NDF:26.8/23
Right Out: -1062.135+/-178.874 χ²/NDF: 66.8/37
Left In: 59.619+/-159.669 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: -117.599+/-124.670 χ²/NDF: 162.9/71
In: 386.789+/-117.599 χ²/NDF:73.7/56
Out: -291.196+/-119.271 χ²/NDF:127.1/61
All: 52.581+/-83.740 χ²/NDF: 217.2/118



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

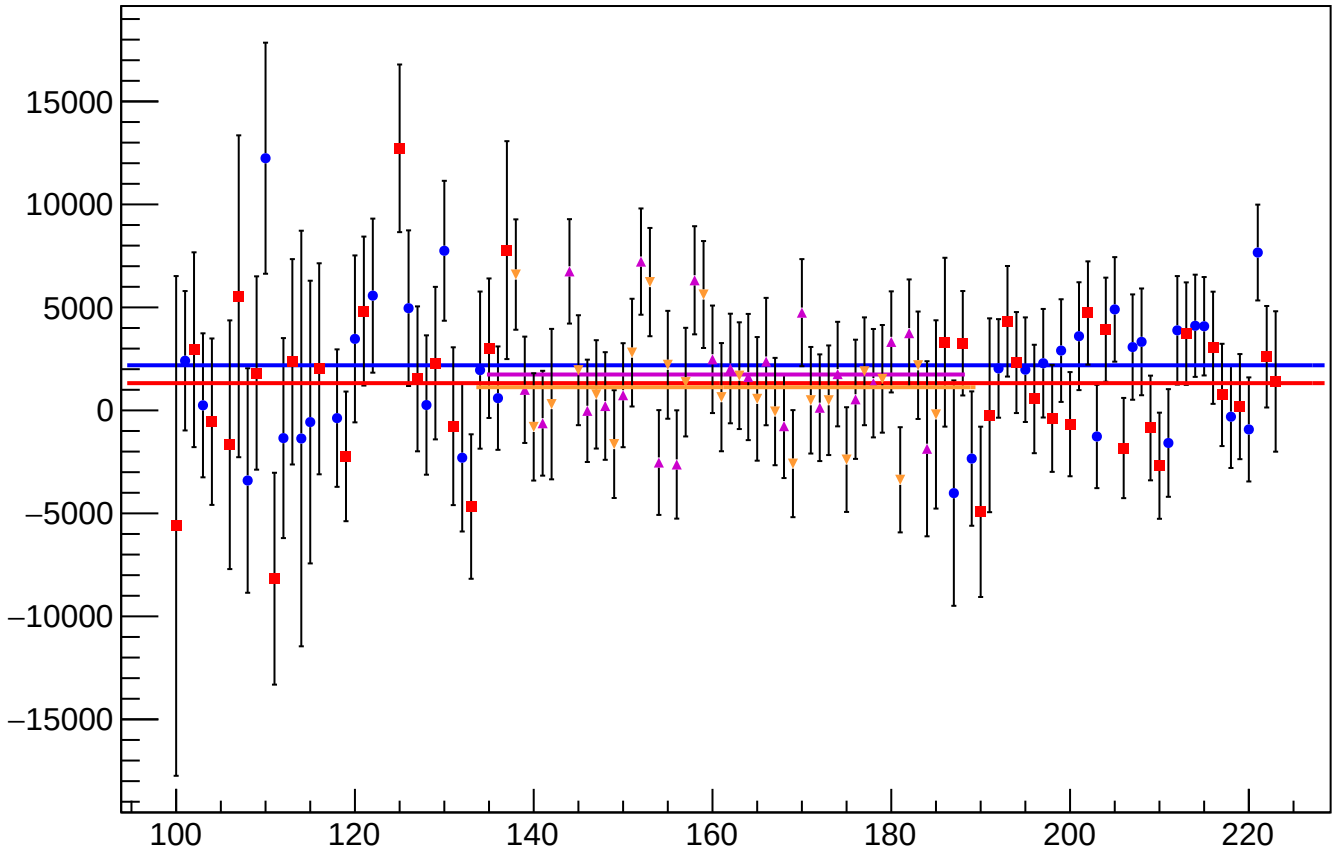
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 770.991+/-0.088 χ^2/NDF: 11164117.7/71

In: 694.443+/-0.083 χ^2/NDF:9773606.3/56

Out: 708.622+/-0.084 χ^2/NDF:10528623.7/61

All: 701.432+/-0.059 χ^2/NDF: 20316563.2/11



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

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

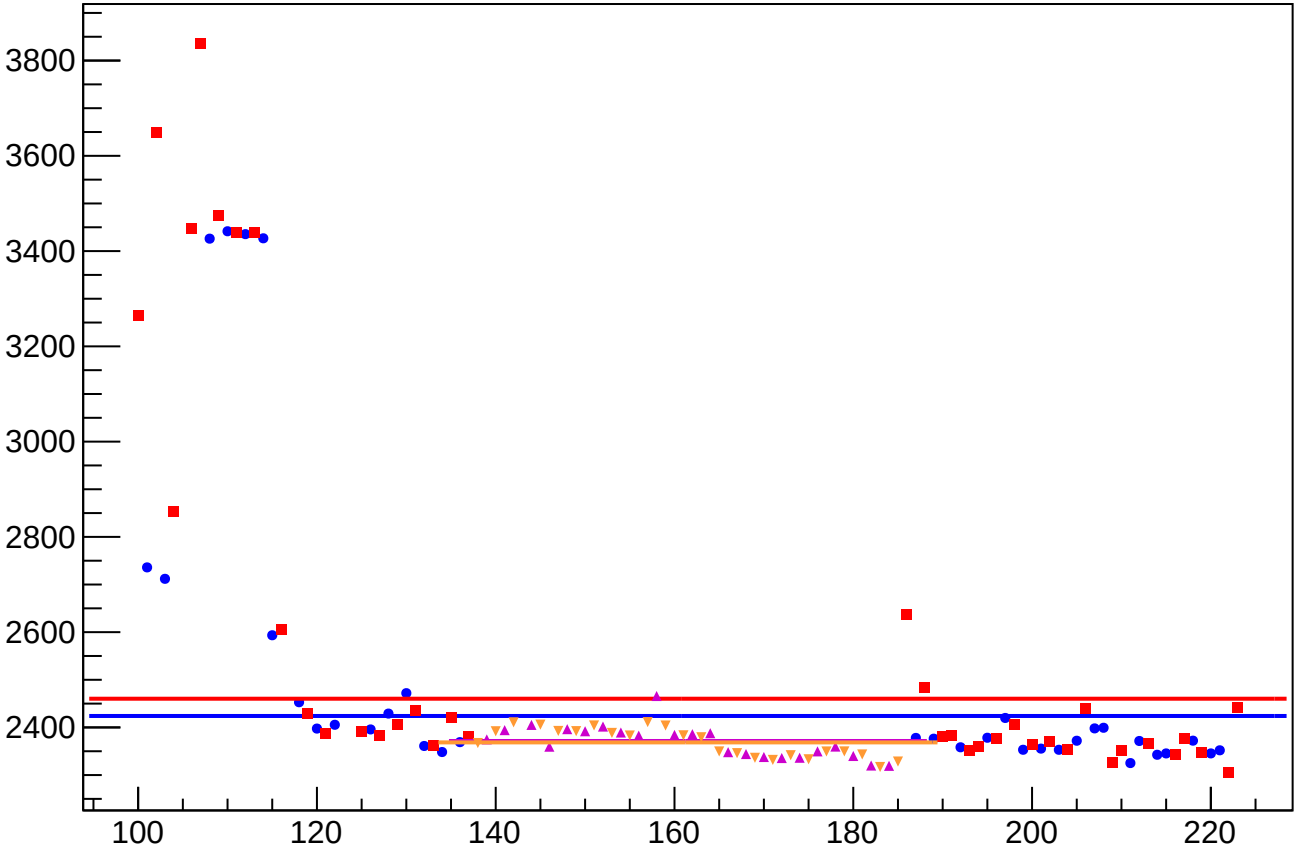
Right: 1758.057+/-366.546 χ^2/NDF: 67.7/71

In: 1981.422+/-378.069 χ^2/NDF:55.3/56

Out: 1229.782+/-377.542 χ^2/NDF:56.4/61

All: 1605.077+/-267.149 χ^2/NDF: 113.7/118

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



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

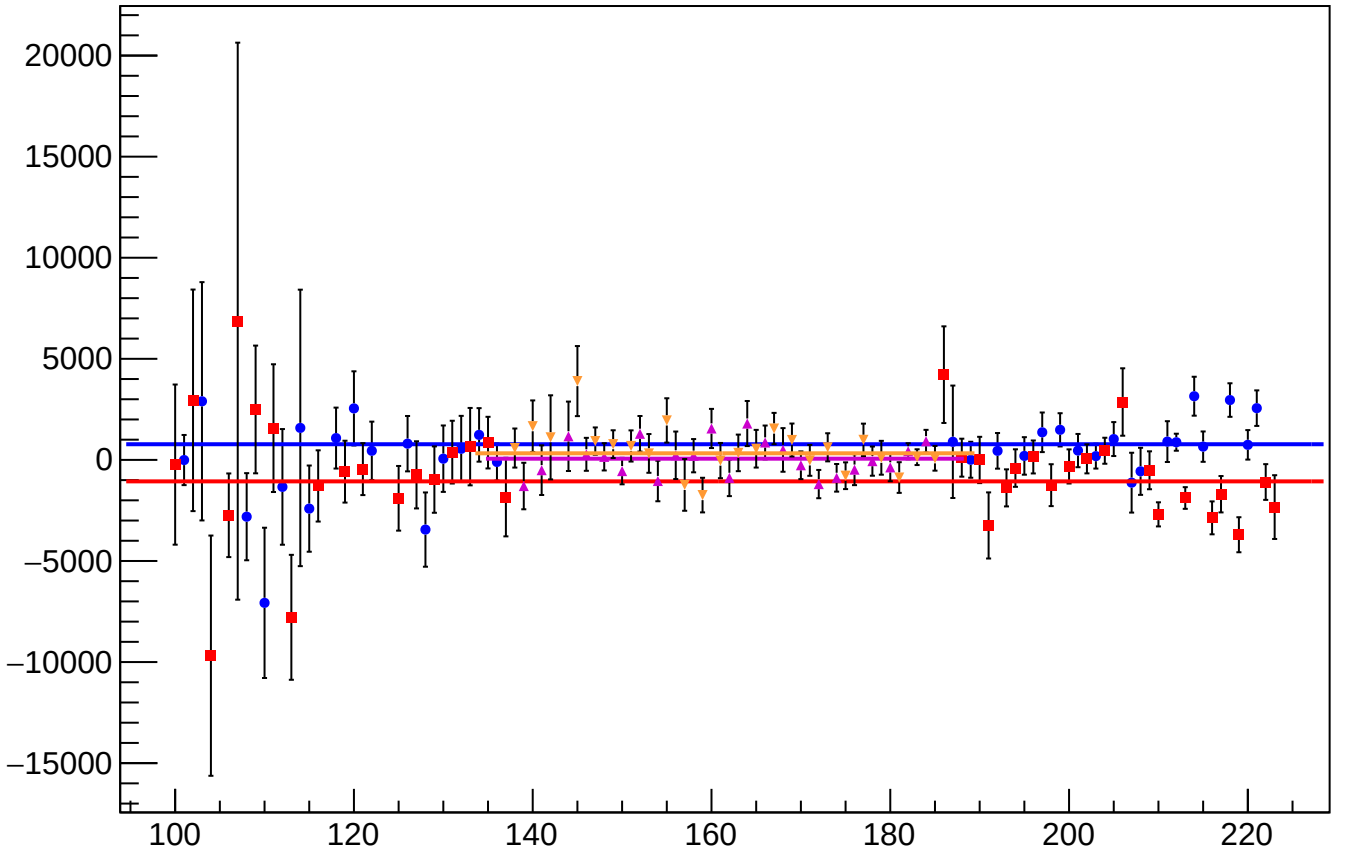
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2442.089+/-0.259 χ^2/NDF: 873816.9/71

In: 2399.557+/-0.267 χ^2/NDF:312861.9/56

Out: 2417.035+/-0.267 χ^2/NDF:607702.0/61

All: 2408.308+/-0.189 χ^2/NDF: 922704.0/118



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

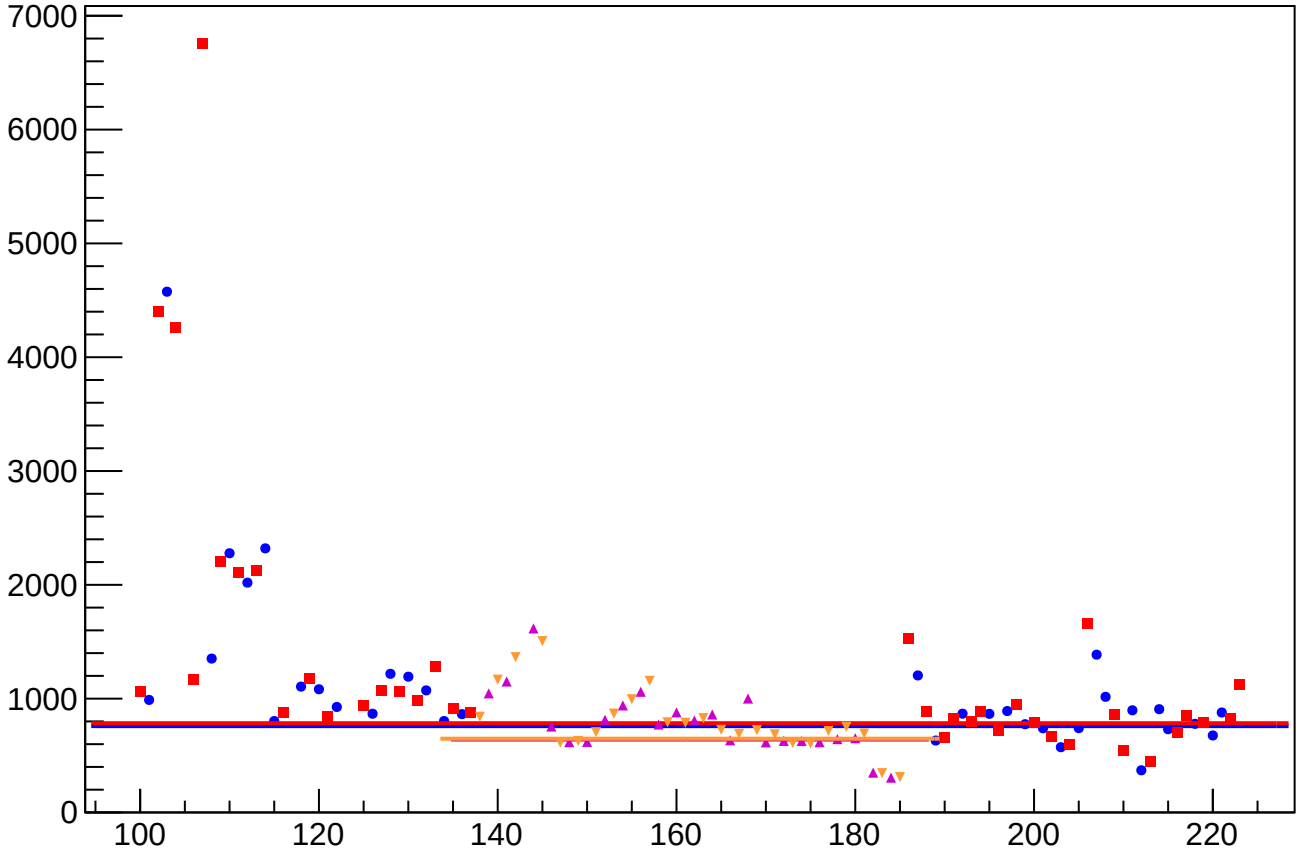
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -117.599+/-124.670 χ^2/NDF: 162.9/71

In: 386.790+/-117.599 χ^2/NDF:73.7/56

Out: -291.198+/-119.271 χ^2/NDF:127.1/61

All: 52.581+/-83.740 χ^2/NDF: 217.2/118



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

Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

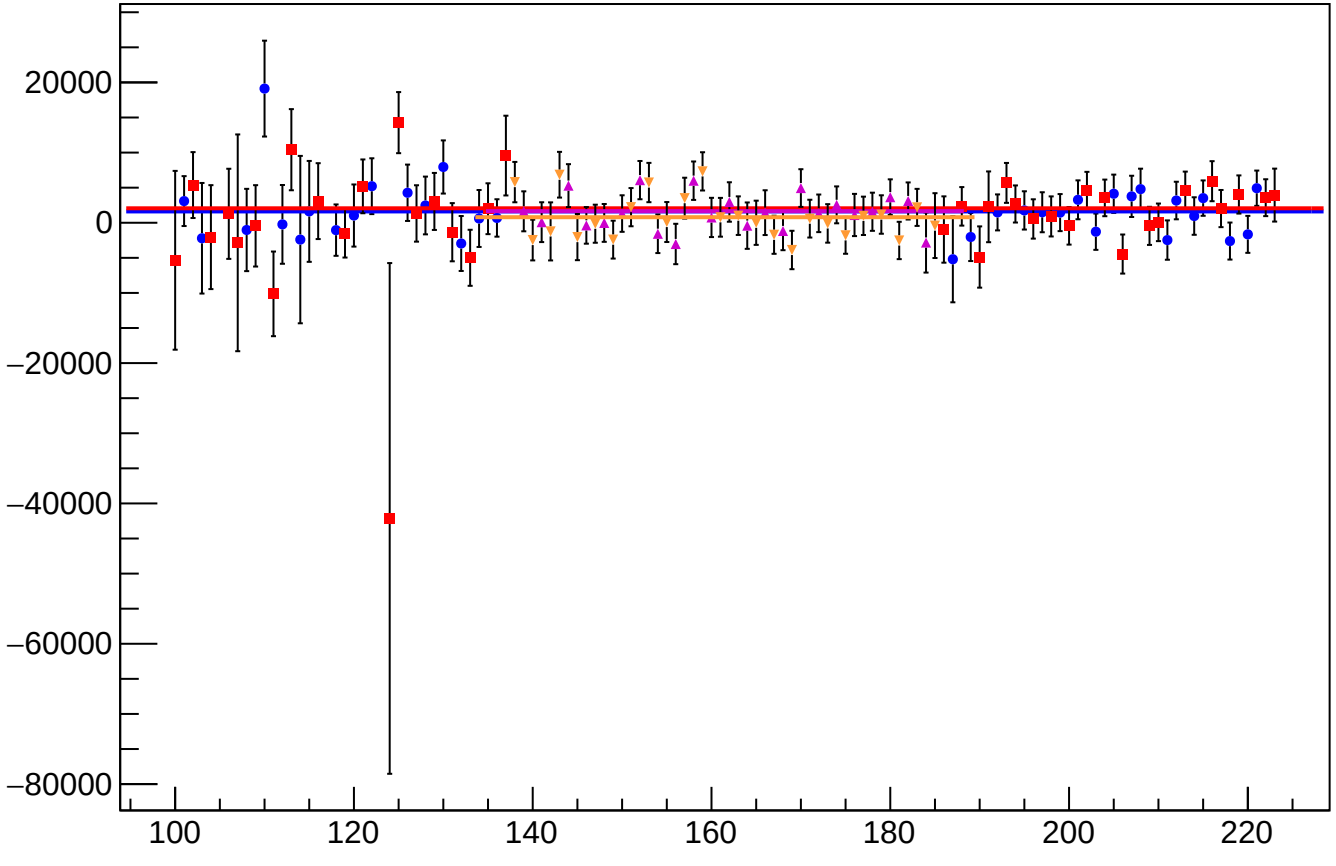
Right: 770.990+/-0.088 χ^2/NDF: 11164136.4/71

In: 694.443+/-0.083 χ^2/NDF:9773614.9/56

Out: 708.623+/-0.084 χ^2/NDF:10528630.4/61

All: 701.433+/-0.059 χ^2/NDF: 20316578.9/1

asym_atl1_mean vs Slug, Sign Corrected



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

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

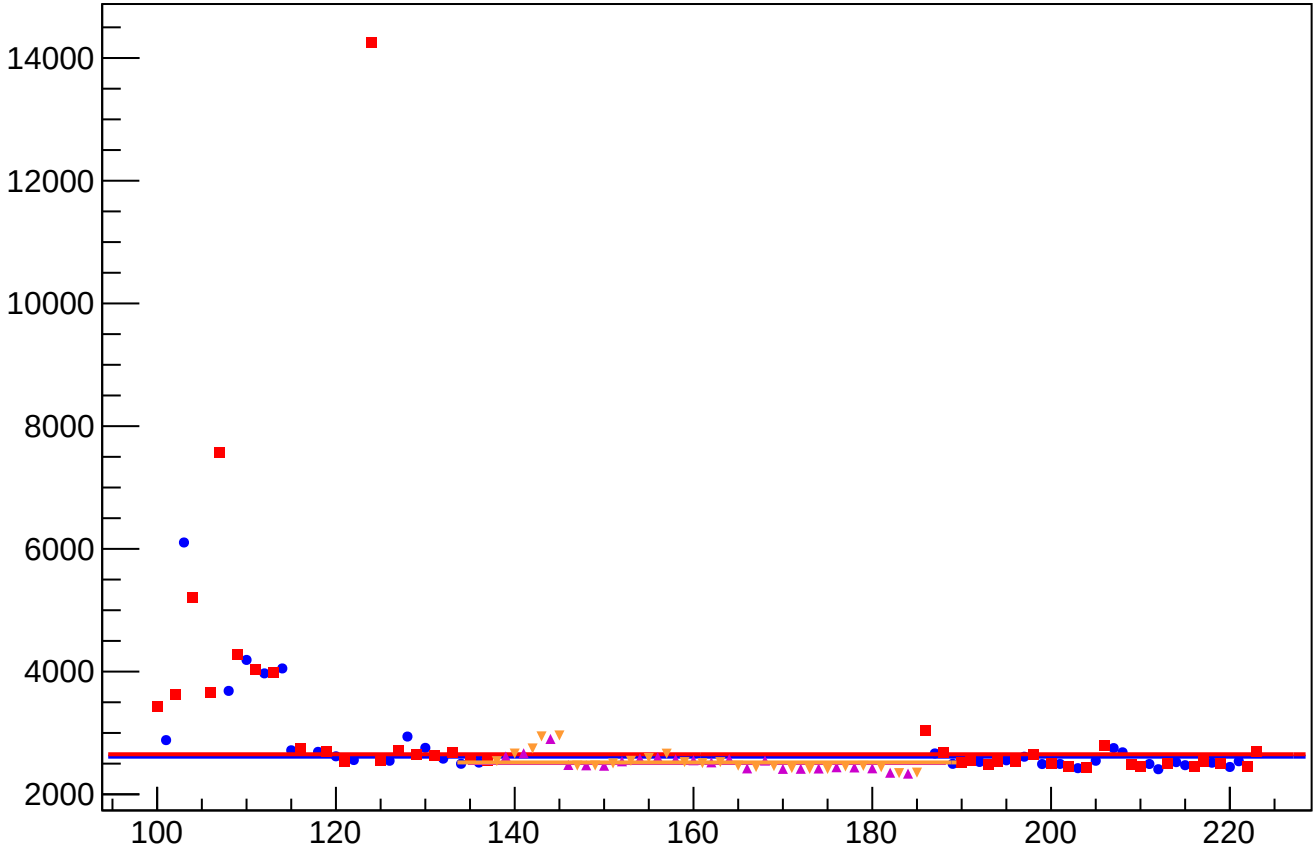
Right: 1836.425+/-397.469 χ^2/NDF: 71.8/72

In: 1633.144+/-405.665 χ^2/NDF:46.4/56

Out: 1437.664+/-401.591 χ^2/NDF:72.0/63

All: 1534.417+/-285.397 χ^2/NDF: 118.5/120

asym_atl1_rms vs Slug, Sign Corrected



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

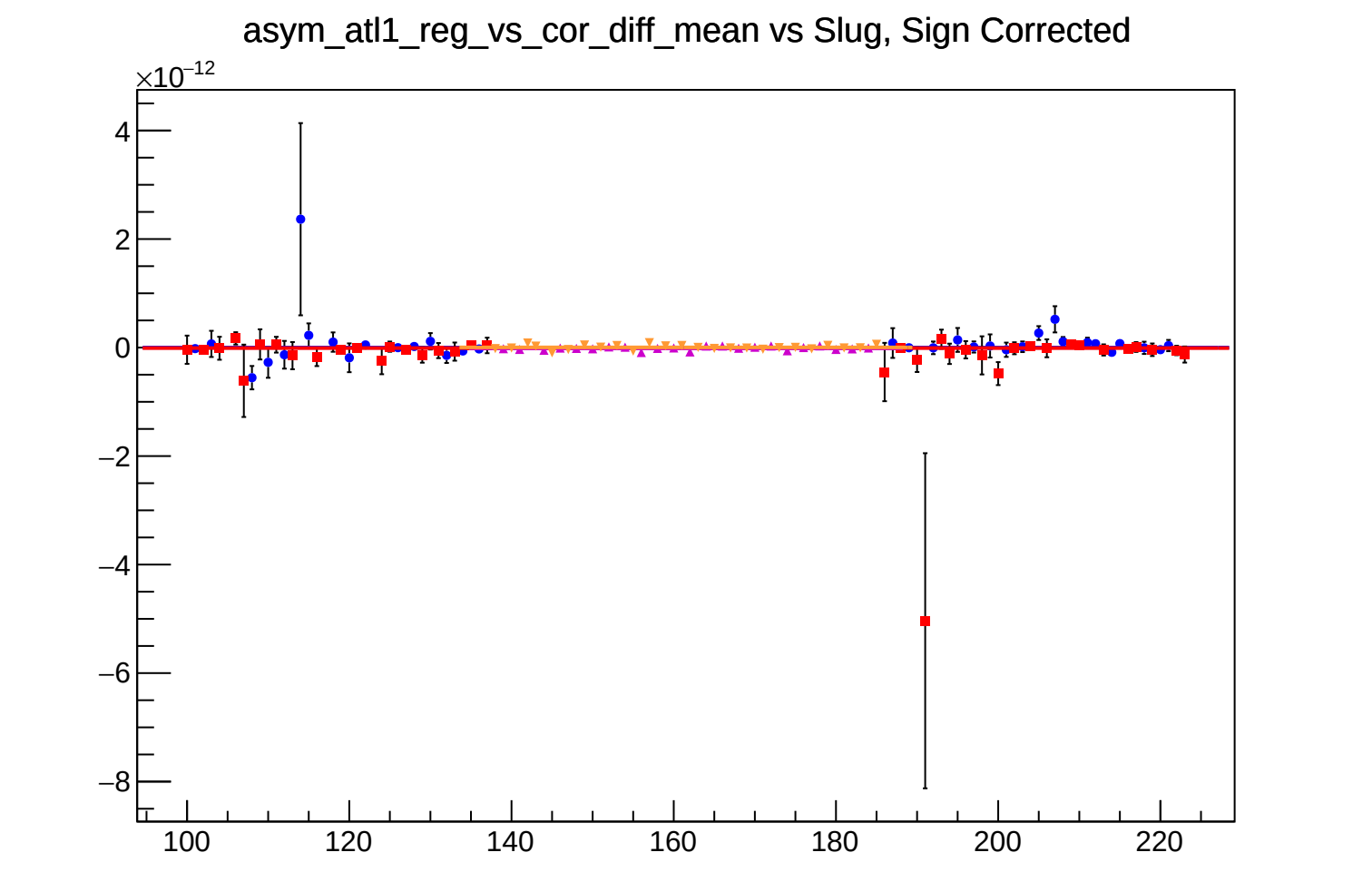
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2633.072+/-0.281 χ^2/NDF: 2102754.9/72

In: 2564.090+/-0.287 χ^2/NDF:918828.6/56

Out: 2587.372+/-0.284 χ^2/NDF:1455411.3/63

All: 2575.848+/-0.202 χ^2/NDF: 2377566.9/12



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

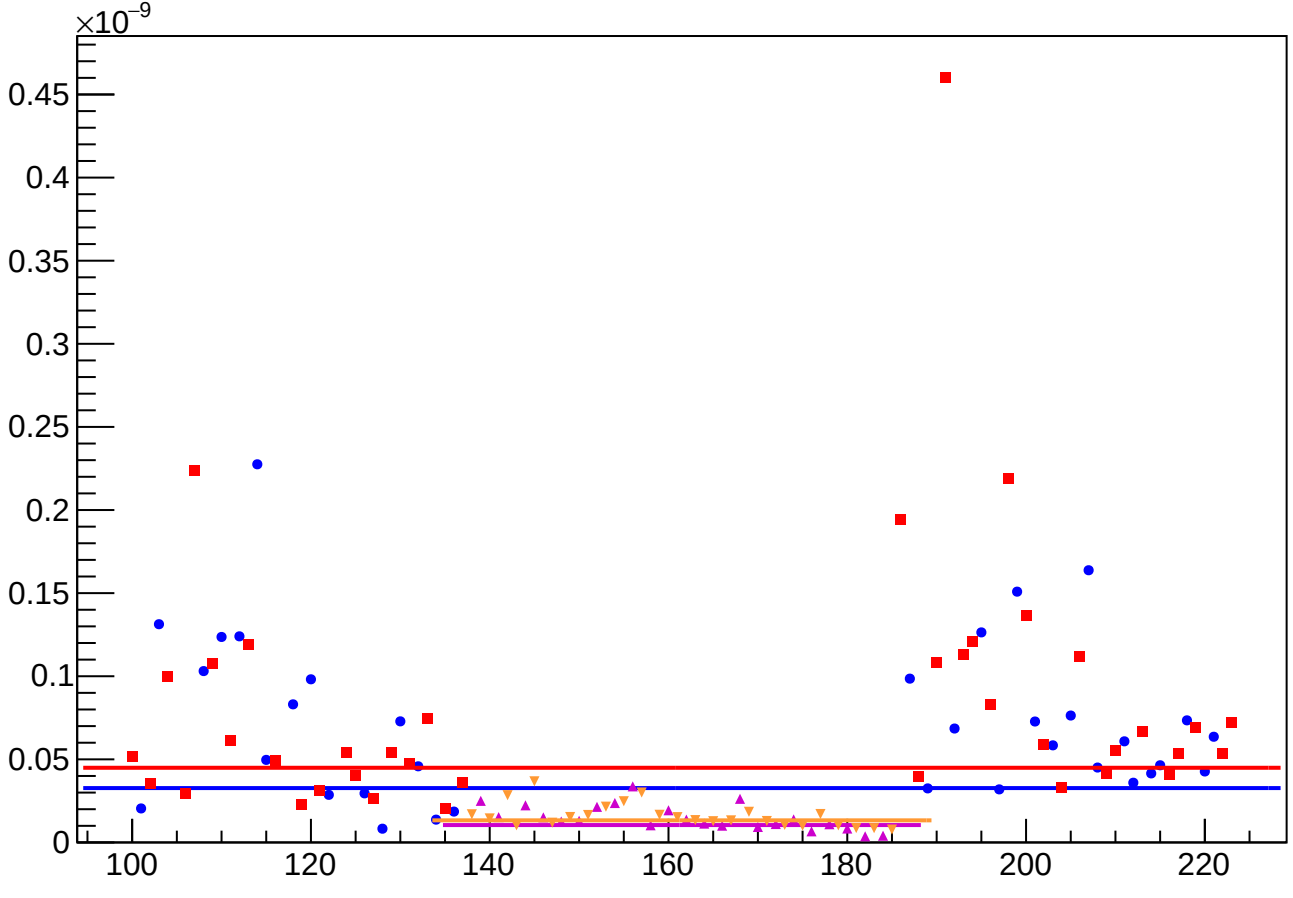
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 55.5/72

In: -0.000+/-0.000 χ^2/NDF:66.3/56

Out: 0.000+/-0.000 χ^2/NDF:51.3/63

All: -0.000+/-0.000 χ^2/NDF: 121.6/120



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

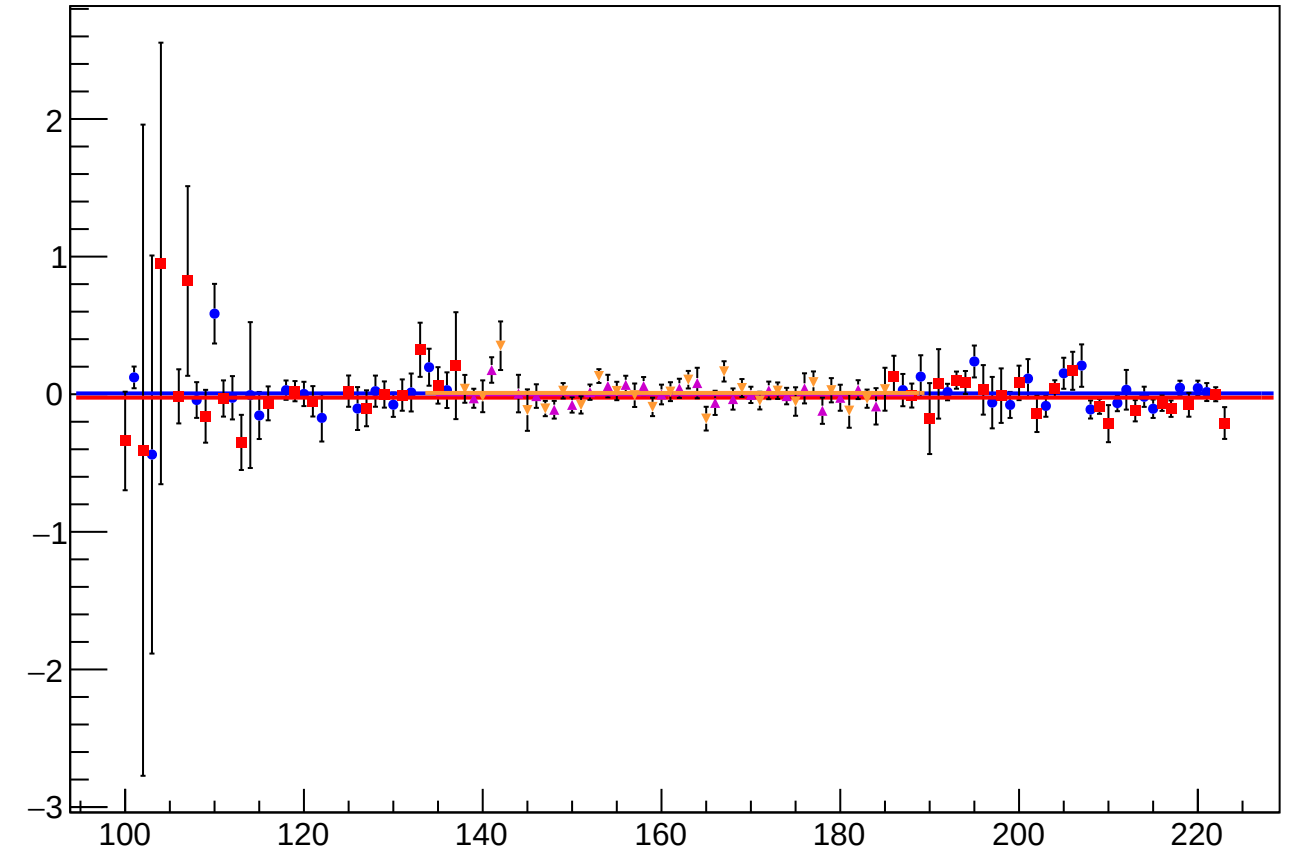
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11310074.0/72

In: 0.000+/-0.000 χ^2/NDF:13873837.8/56

Out: 0.000+/-0.000 χ^2/NDF:12199179.1/63

All: 0.000+/-0.000 χ^2/NDF: 26521418.0/120



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

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

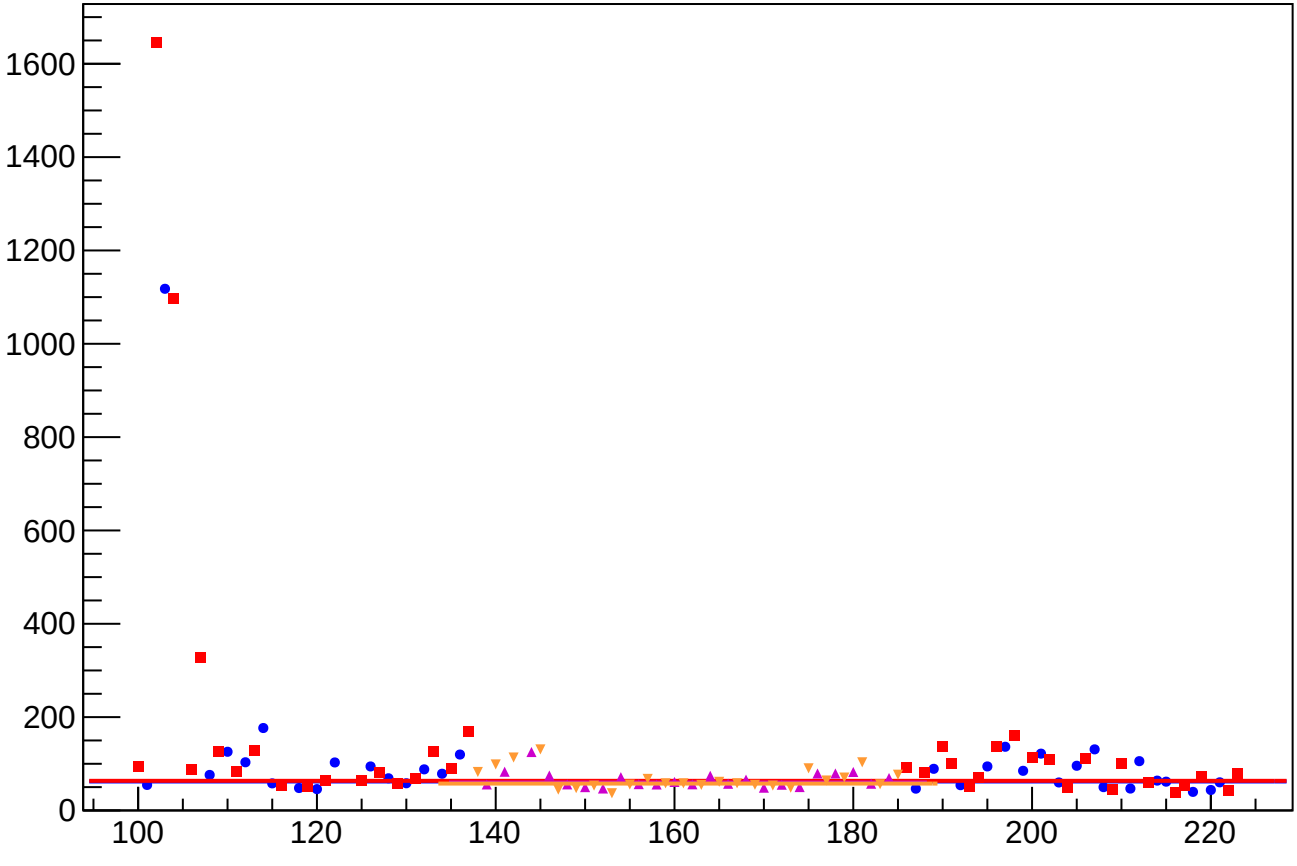
Right: -0.009+/-0.011 χ^2/NDF: 70.0/71

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.006+/-0.011 χ^2/NDF:70.5/61

All: -0.002+/-0.008 χ^2/NDF: 121.2/118

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

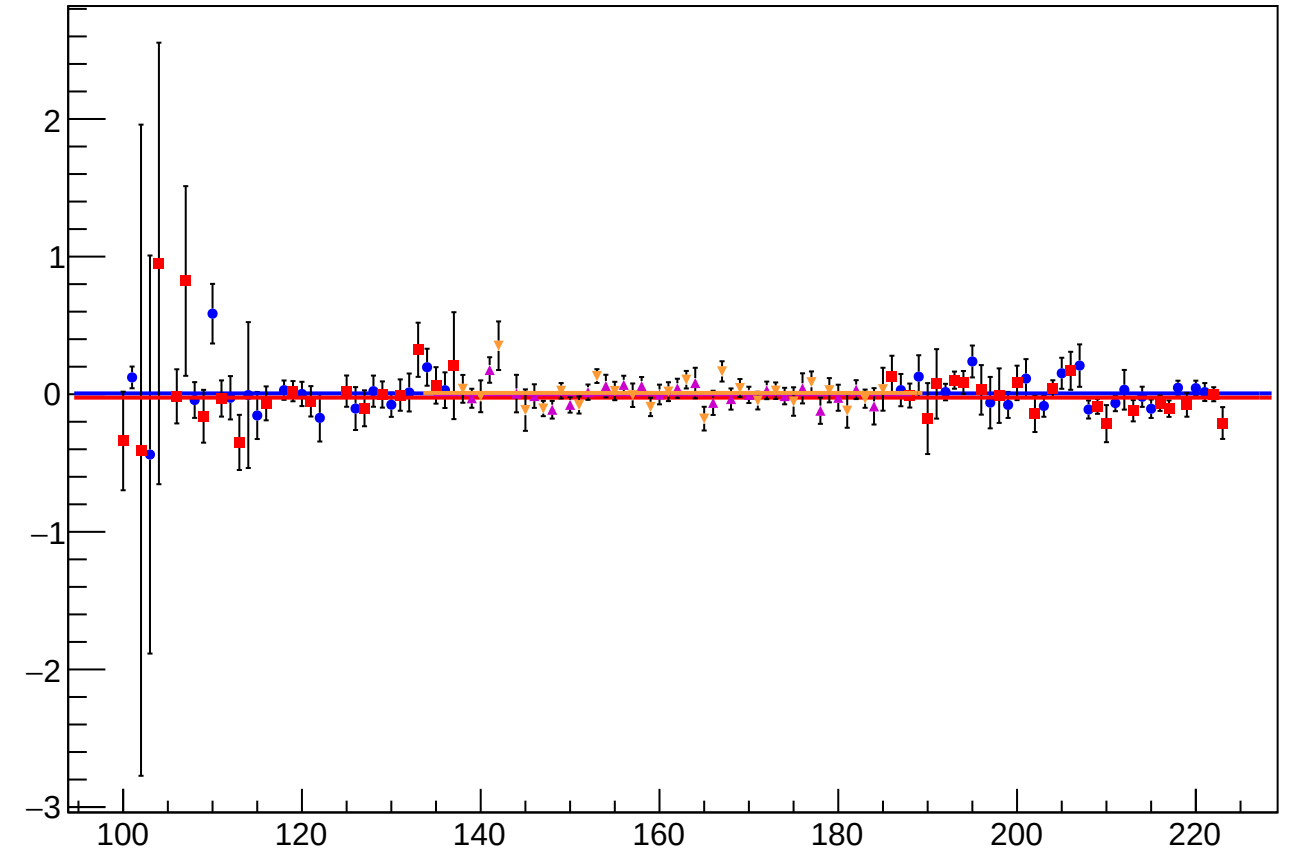
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 62.774+/-0.008 χ^2/NDF: 11497865.1/71

In: 60.937+/-0.008 χ^2/NDF:6373257.0/56

Out: 60.318+/-0.008 χ^2/NDF:8831808.3/61

All: 60.628+/-0.006 χ^2/NDF: 15208186.8/118



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

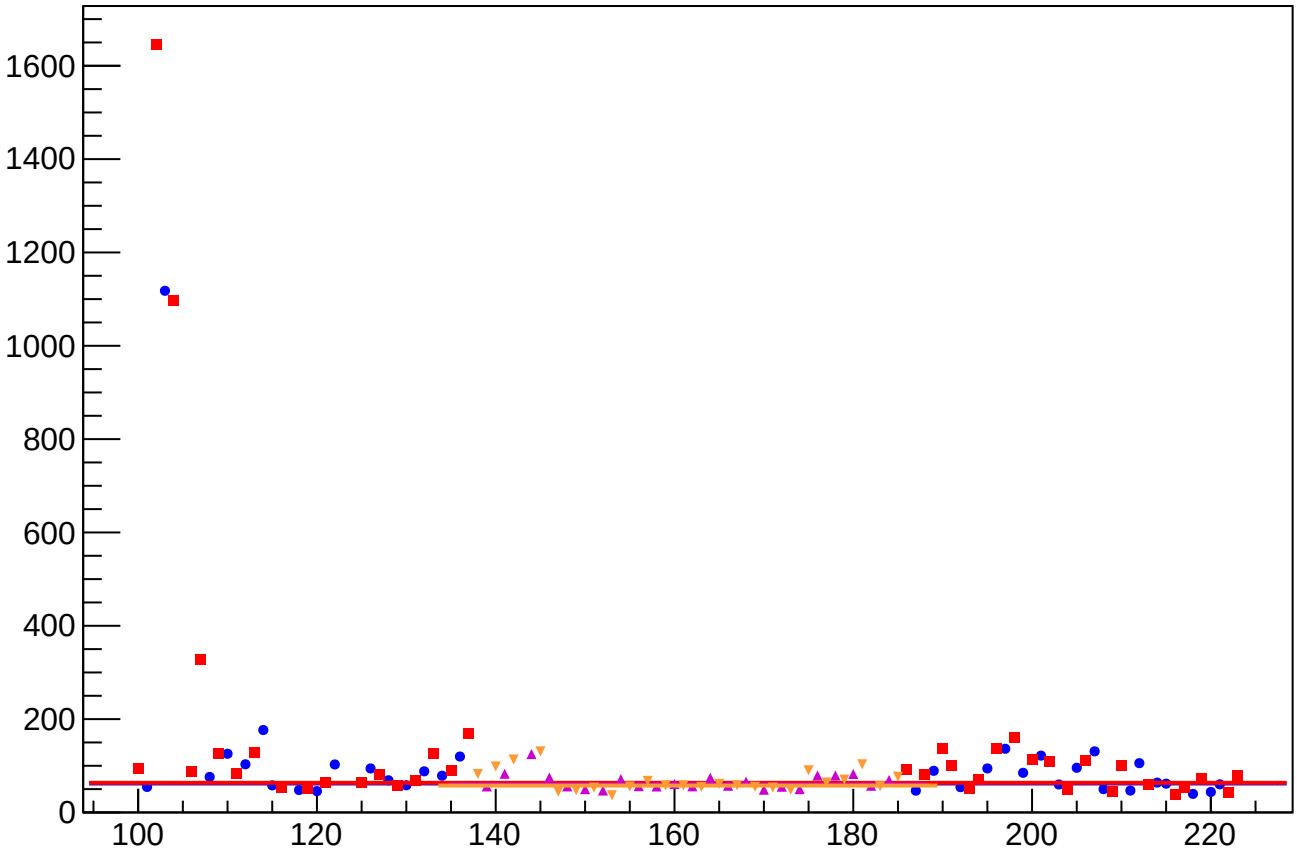
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.009+/-0.011 χ^2/NDF: 70.0/71

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.006+/-0.011 χ^2/NDF:70.5/61

All: -0.002+/-0.008 χ^2/NDF: 121.2/118



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

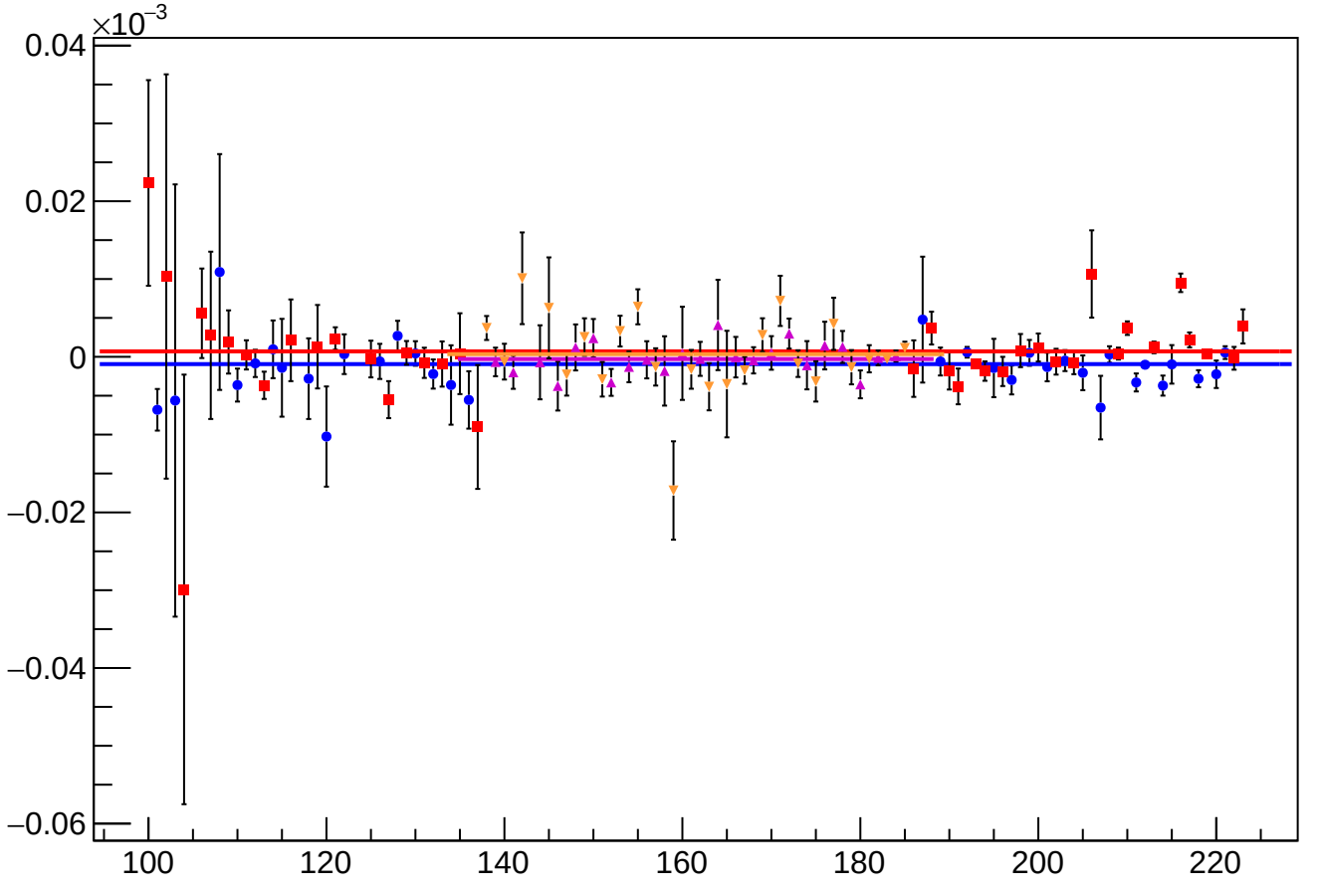
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 62.774+/-0.008 χ^2/NDF: 11497865.1/71

In: 60.937+/-0.008 χ^2/NDF:6373257.0/56

Out: 60.318+/-0.008 χ^2/NDF:8831808.3/61

All: 60.628+/-0.006 χ^2/NDF: 15208186.8/118



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

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

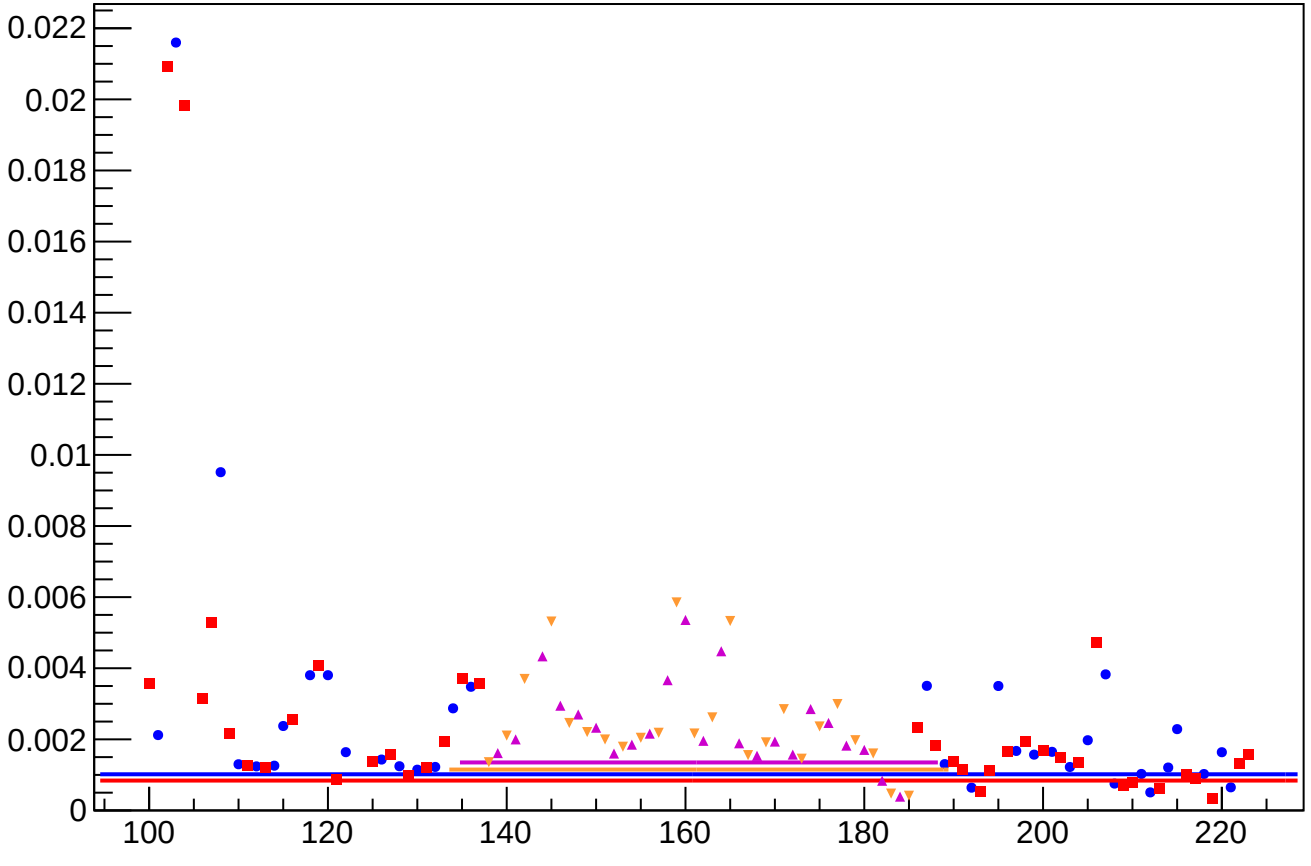
Right: 0.000+/-0.000 χ^2/NDF: 185.6/71

In: -0.000+/-0.000 χ^2/NDF:59.9/56

Out: 0.000+/-0.000 χ^2/NDF:167.5/61

All: 0.000+/-0.000 χ^2/NDF: 248.8/118

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

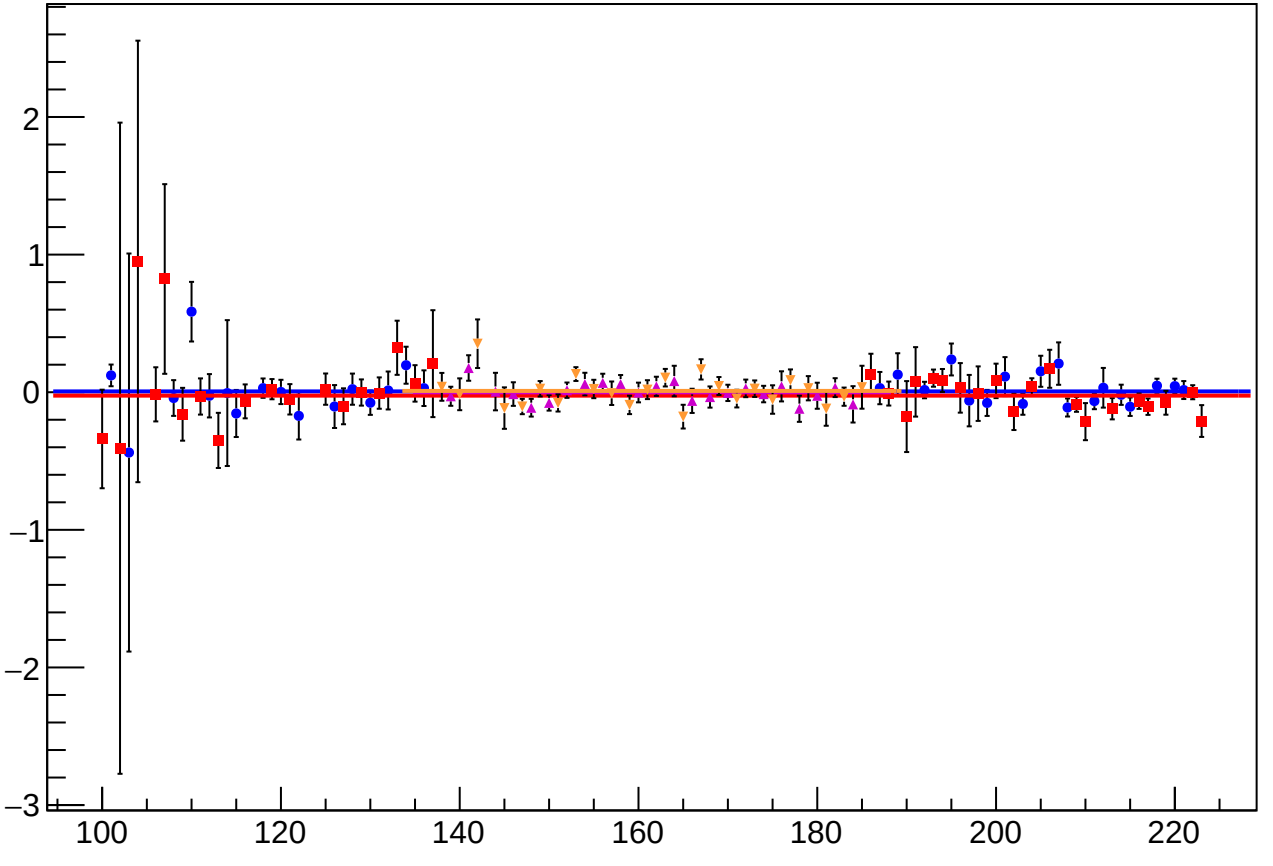
Right: 0.001+/-0.000 χ^2/NDF: 25025513.6/71

In: 0.001+/-0.000 χ^2/NDF:22504624.2/56

Out: 0.001+/-0.000 χ^2/NDF:27662664.1/61

All: 0.001+/-0.000 χ^2/NDF: 51062561.1/118

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

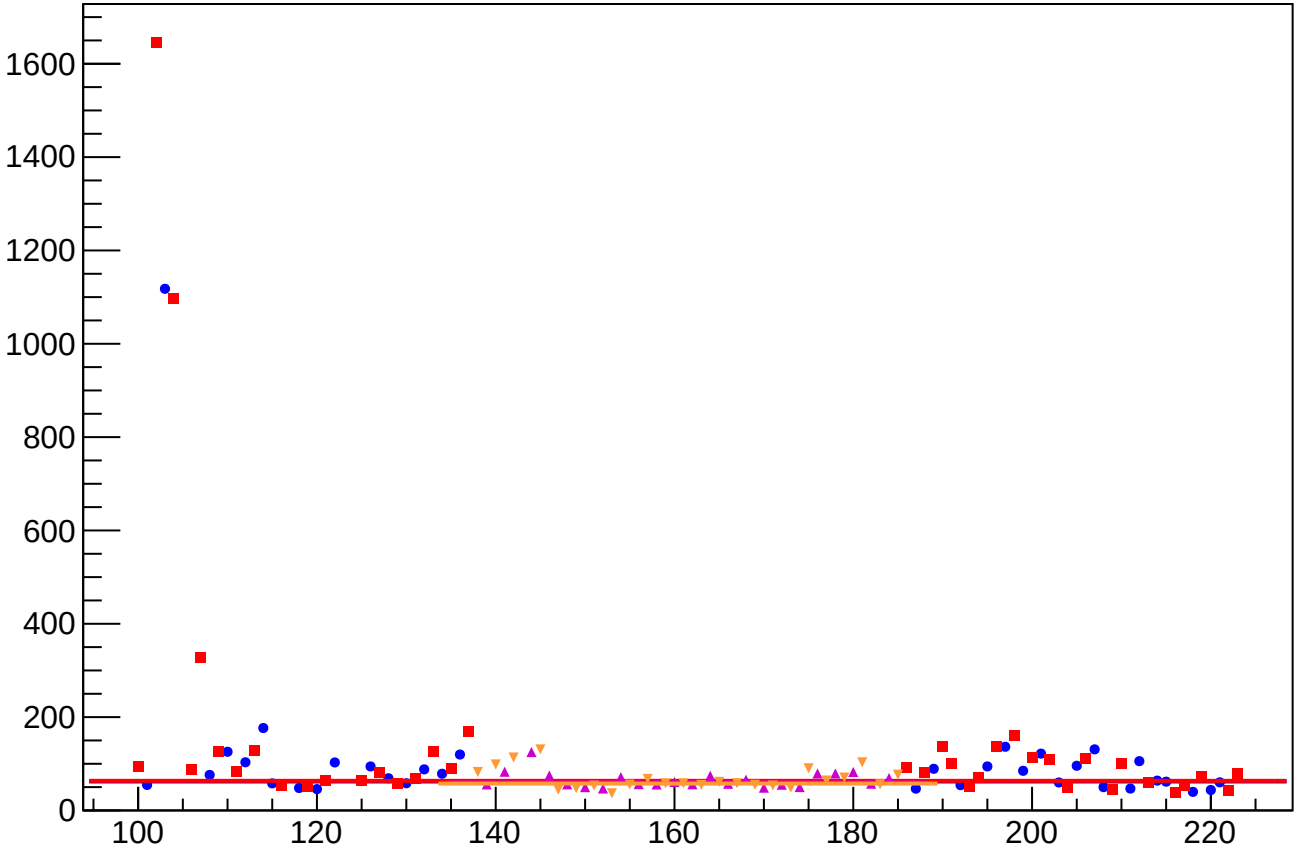
Right: -0.009+/-0.011 χ^2/NDF: 70.0/71

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.006+/-0.011 χ^2/NDF:70.5/61

All: -0.002+/-0.008 χ^2/NDF: 121.2/118

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

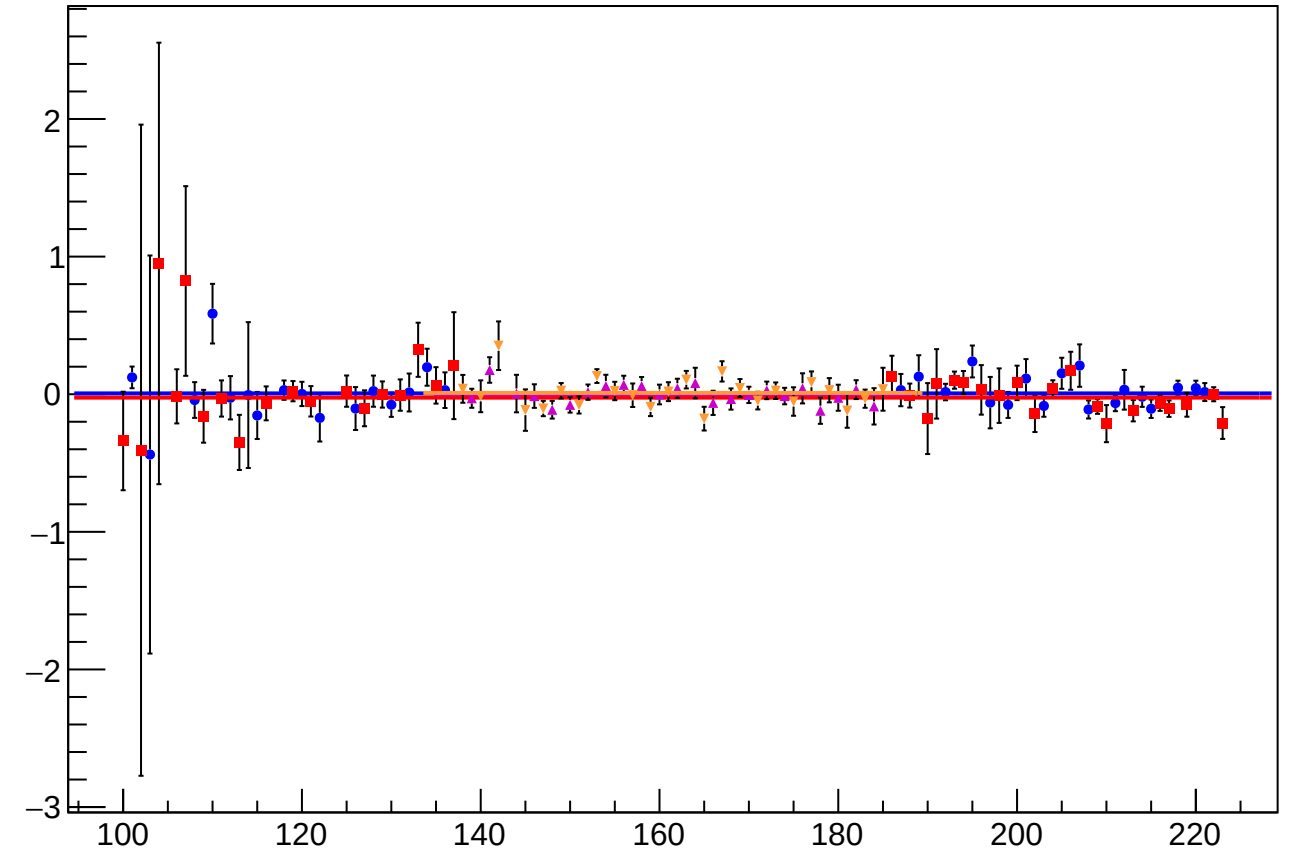
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 62.773+/-0.008 χ^2/NDF: 11497976.7/71

In: 60.937+/-0.008 χ^2/NDF:6373351.3/56

Out: 60.318+/-0.008 χ^2/NDF:8831877.6/61

All: 60.628+/-0.006 χ^2/NDF: 15208349.4/118



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

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

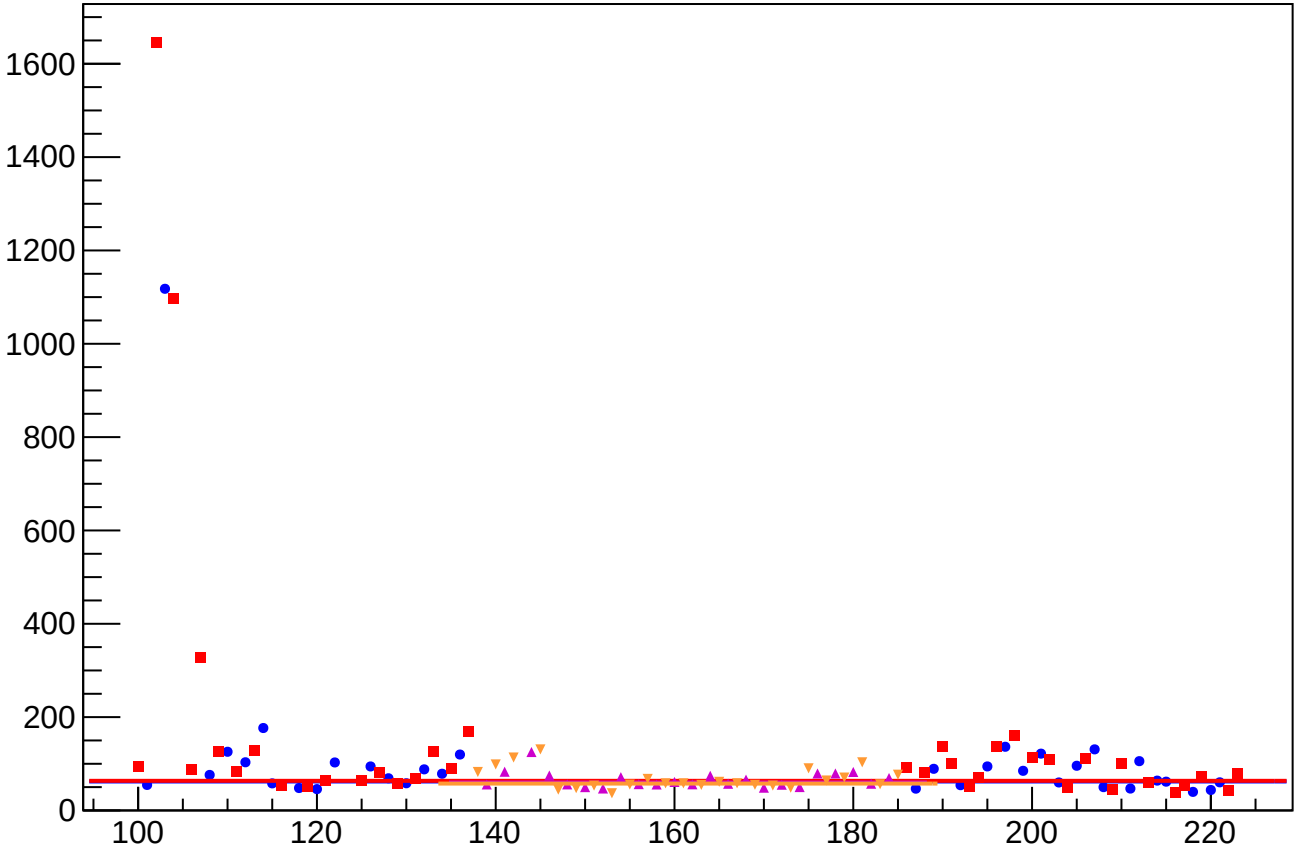
Right: -0.009+/-0.011 χ^2/NDF: 70.0/71

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.006+/-0.011 χ^2/NDF:70.5/61

All: -0.002+/-0.008 χ^2/NDF: 121.2/118

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

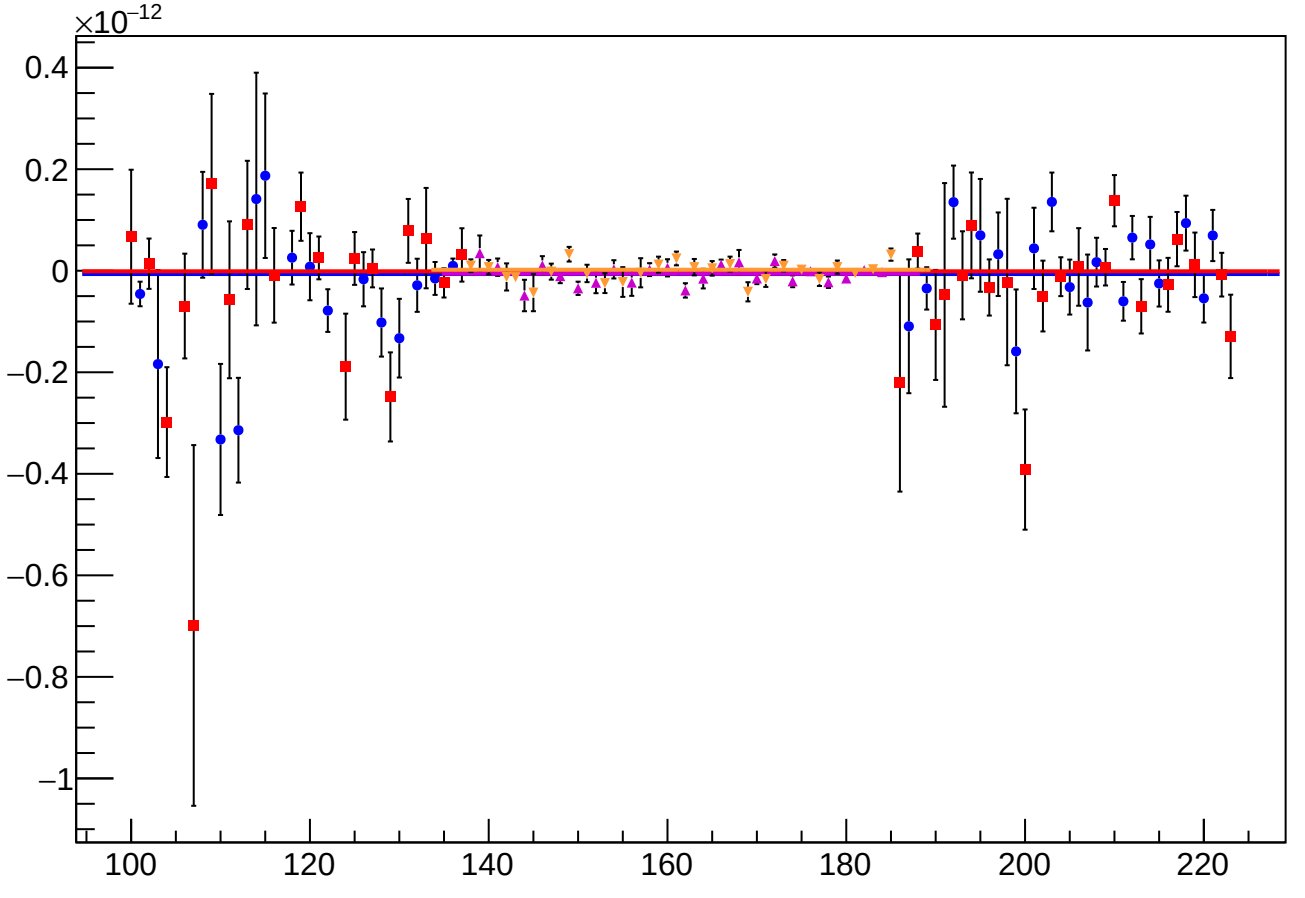
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 62.773+/-0.008 χ^2/NDF: 11497976.7/71

In: 60.937+/-0.008 χ^2/NDF:6373351.3/56

Out: 60.318+/-0.008 χ^2/NDF:8831877.6/61

All: 60.628+/-0.006 χ^2/NDF: 15208349.4/118



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

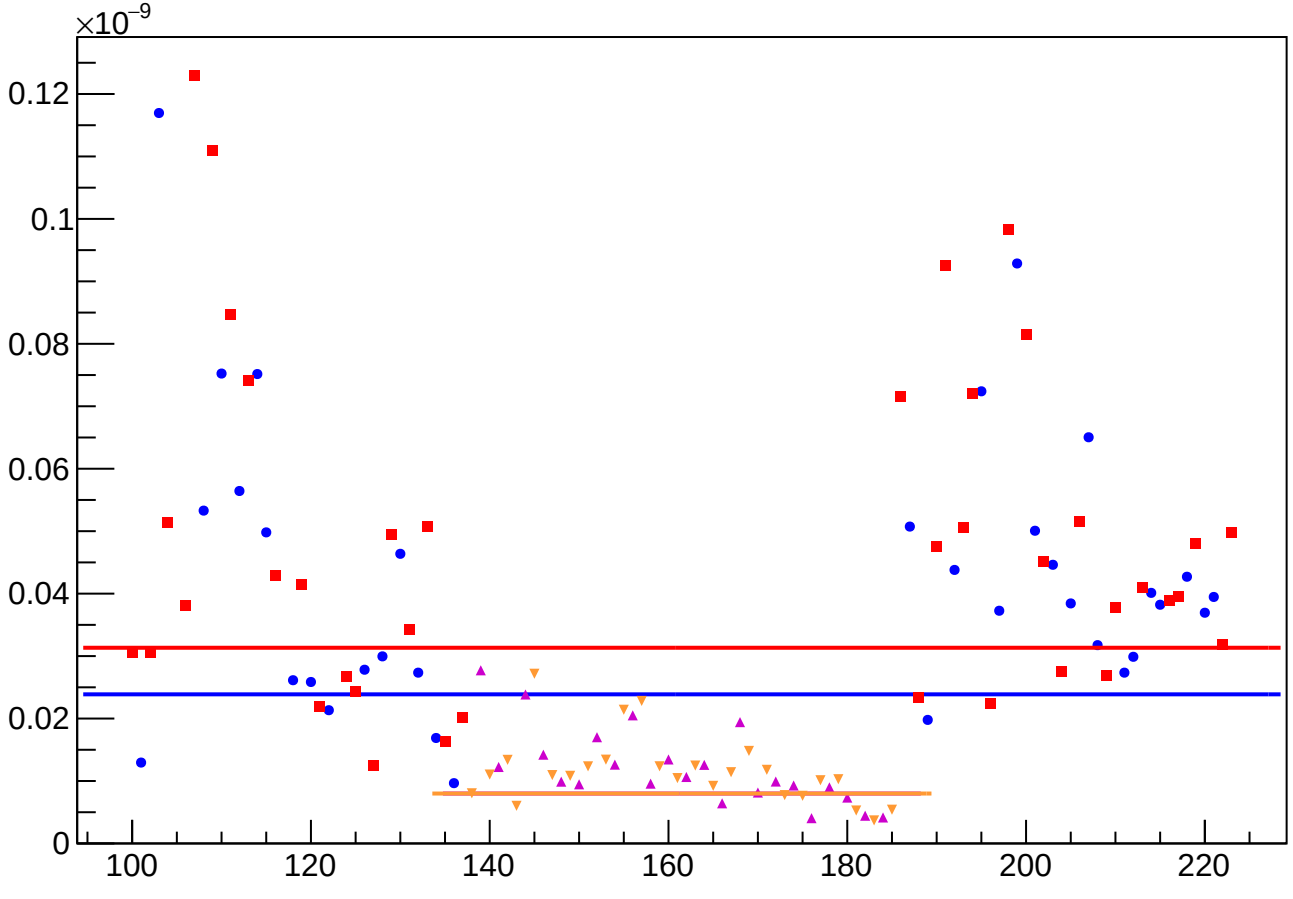
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 118.5/72

In: -0.000+/-0.000 χ^2/NDF:89.3/56

Out: 0.000+/-0.000 χ^2/NDF:93.7/63

All: -0.000+/-0.000 χ^2/NDF: 188.1/120



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

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

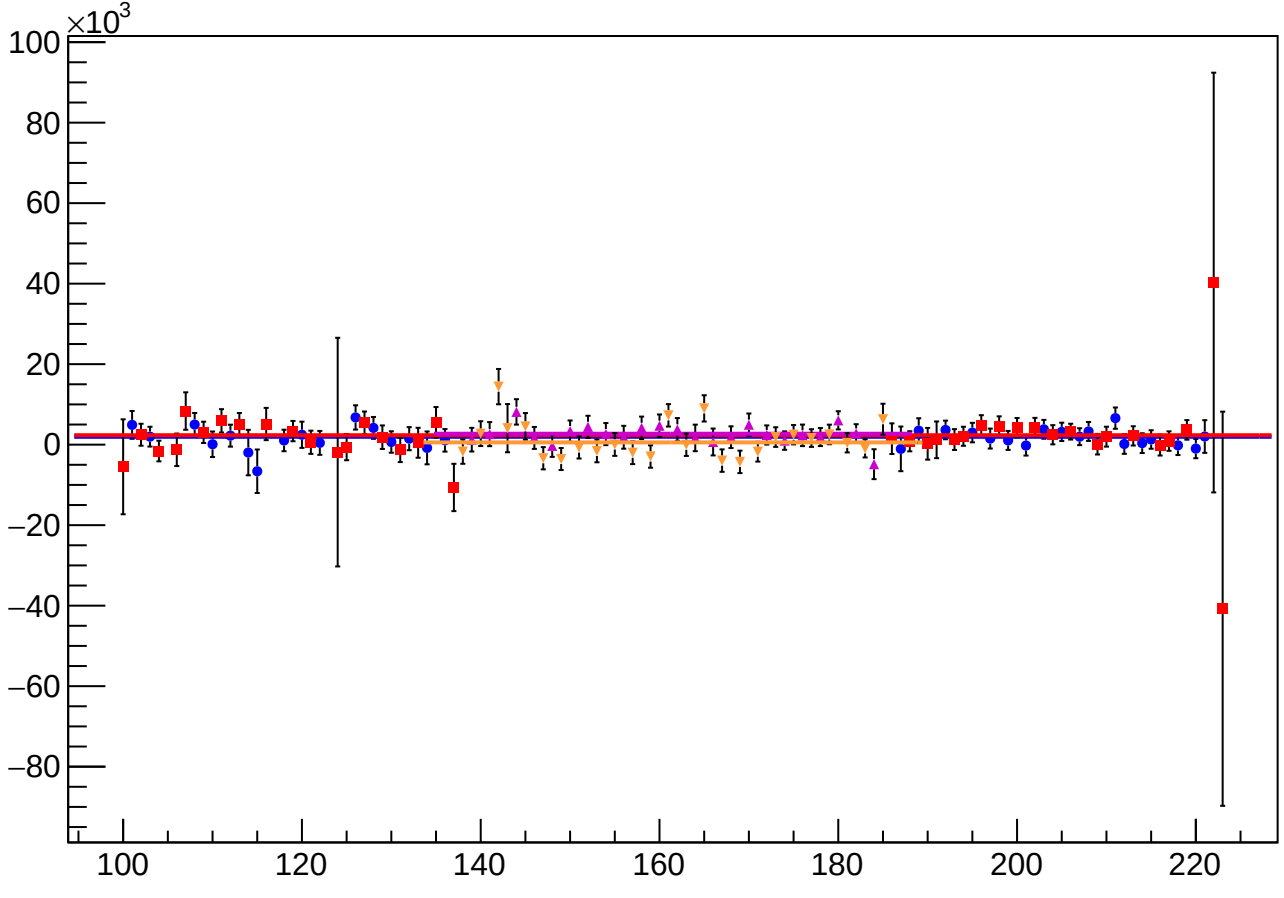
Right: 0.000+/-0.000 χ^2/NDF: 12825979.5/72

In: 0.000+/-0.000 χ^2/NDF:19680893.0/56

Out: 0.000+/-0.000 χ^2/NDF:20725035.3/63

All: 0.000+/-0.000 χ^2/NDF: 40406138.0/120

reg_asym_atl2_mean vs Slug, Sign Corrected



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

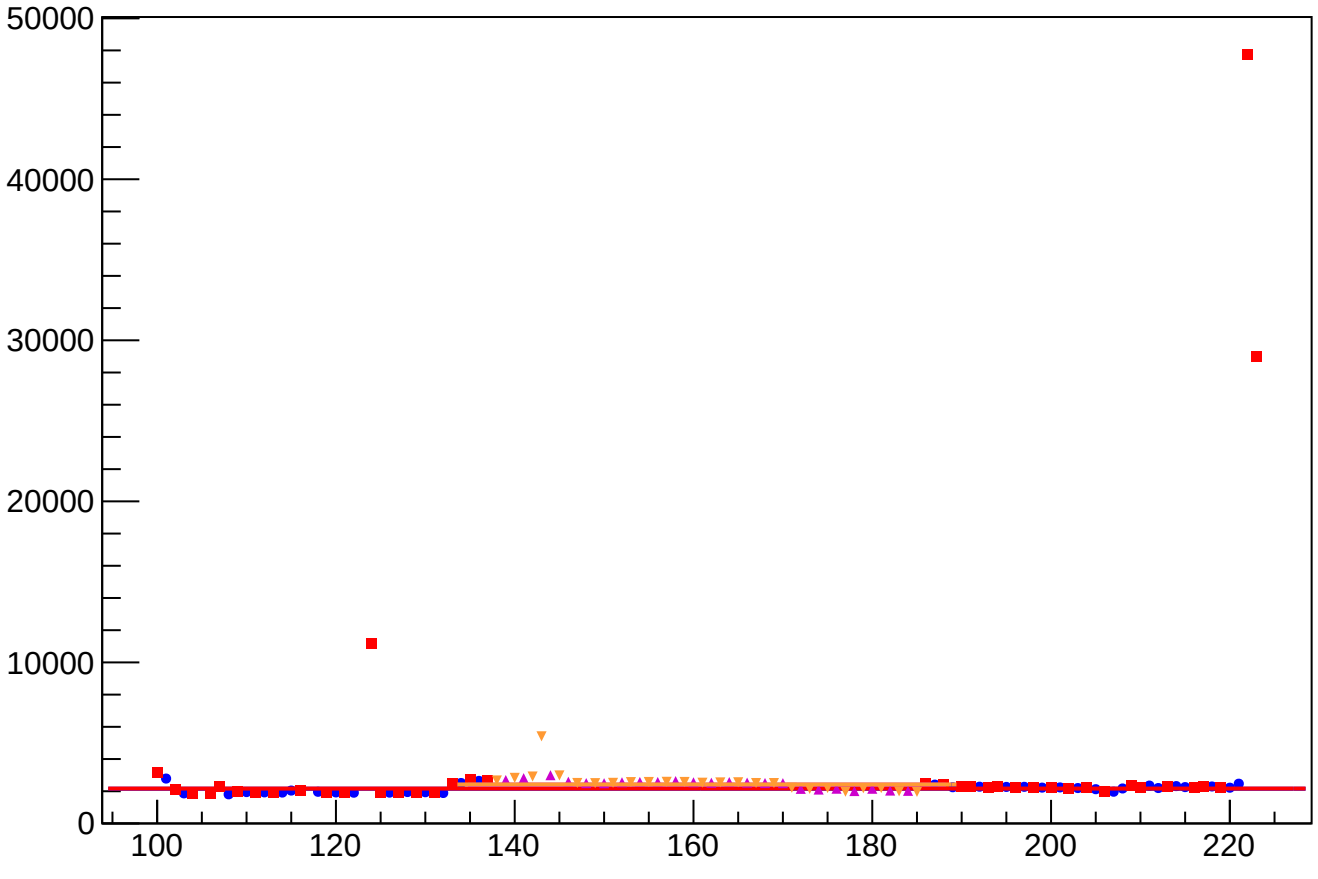
Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

Right: 2149.690+/-331.660 χ^2/NDF: 46.0/72

In: 2265.111+/-360.728 χ^2/NDF:34.8/56

Out: 1603.493+/-359.327 χ^2/NDF:76.1/63

All: 1933.014+/-254.576 χ^2/NDF: 112.6/120



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

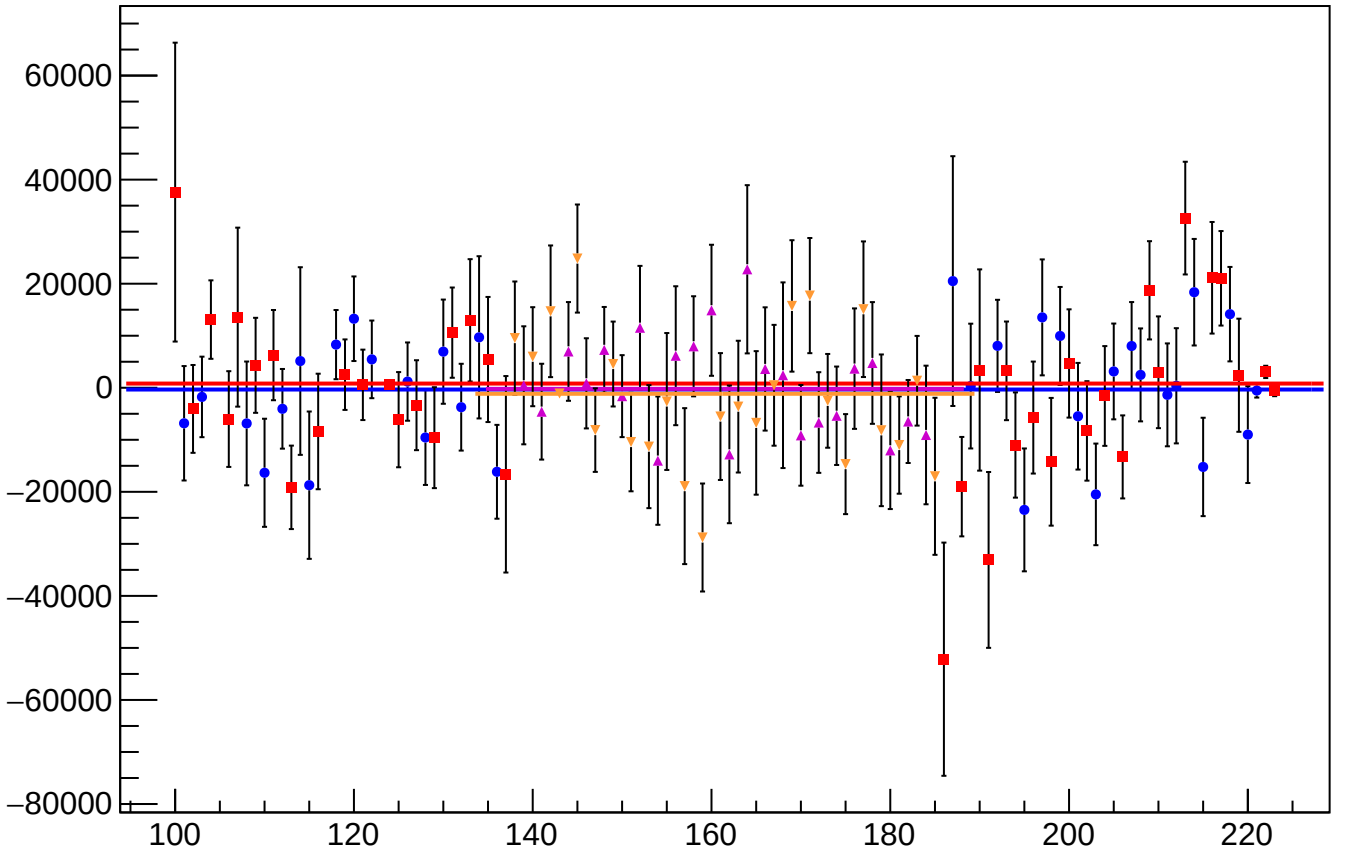
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2160.652+/-0.235 χ^2/NDF: 3164581.1/72

In: 2258.478+/-0.255 χ^2/NDF:1068399.3/56

Out: 2272.641+/-0.254 χ^2/NDF:3963686.5/63

All: 2265.587+/-0.180 χ^2/NDF: 5033633.2/12



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

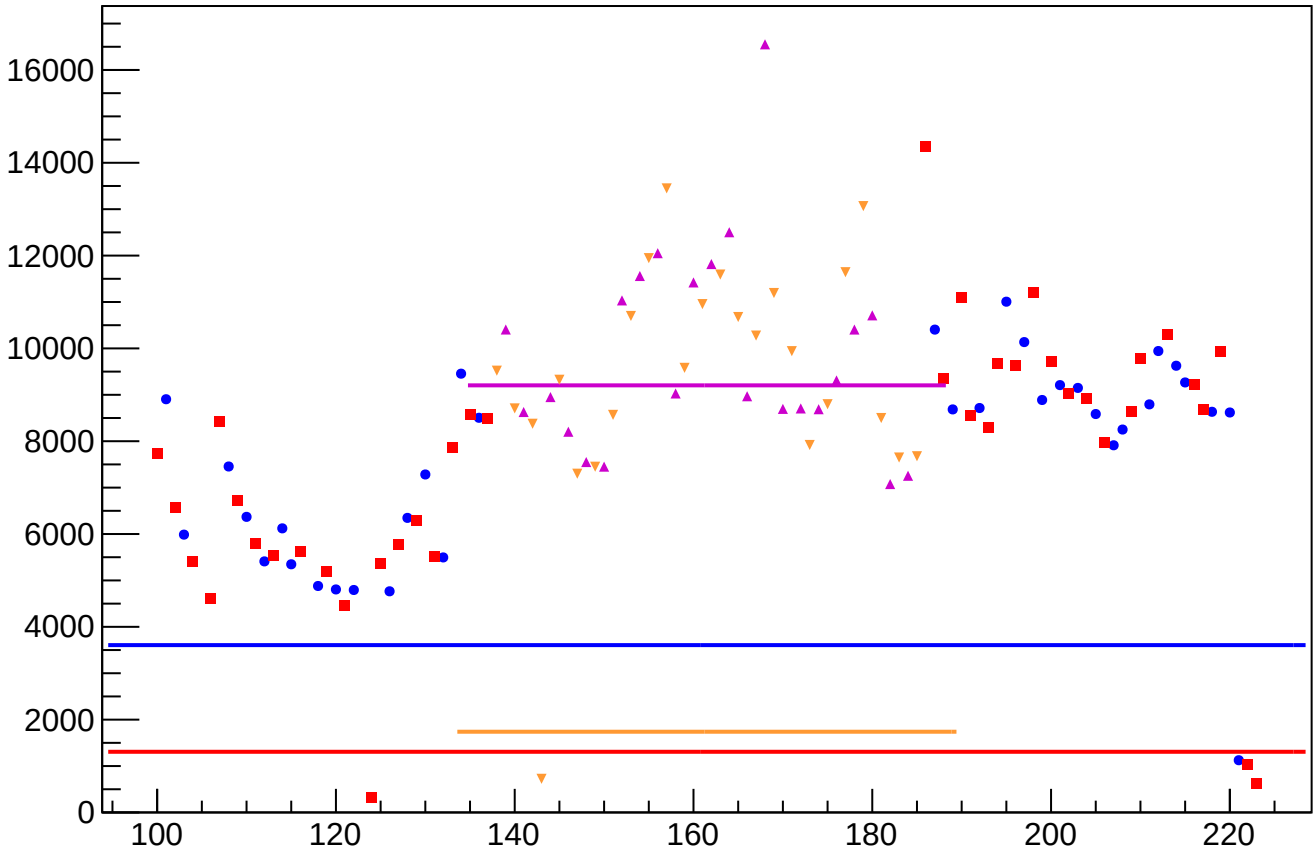
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 561.409+/-484.085 χ^2/NDF: 105.4/72

In: -315.010+/-945.184 χ^2/NDF:52.0/56

Out: 134.969+/-442.941 χ^2/NDF:102.2/63

All: 53.942+/-401.084 χ^2/NDF: 154.4/120



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

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

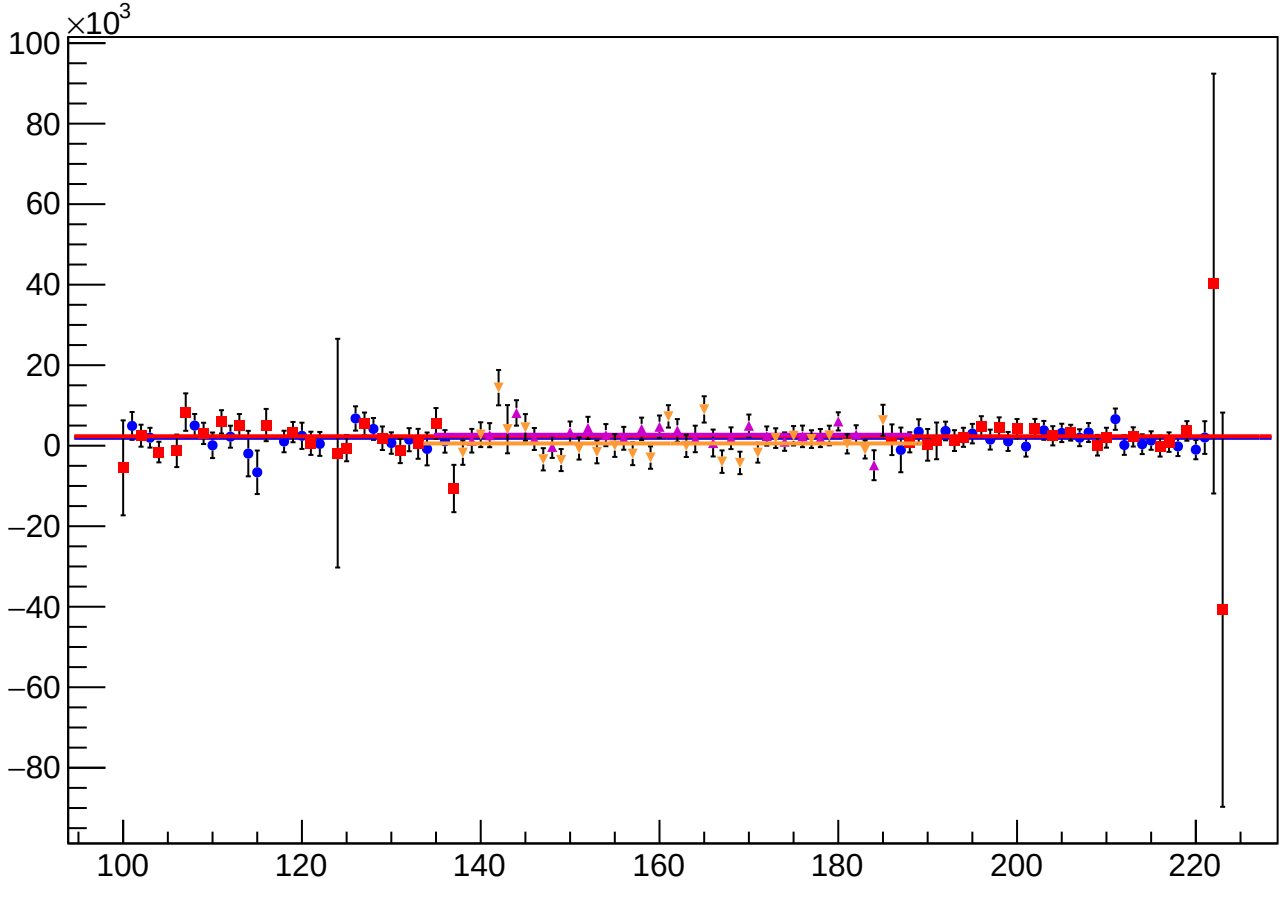
Right: 1798.656+/-0.342 χ^2/NDF: 60457068.4/72

In: 4643.923+/-0.668 χ^2/NDF:31445305.6/56

Out: 1455.181+/-0.313 χ^2/NDF:61465264.5/63

All: 2029.373+/-0.284 χ^2/NDF: 111574957.6

cor_asym_atl2_mean vs Slug, Sign Corrected



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

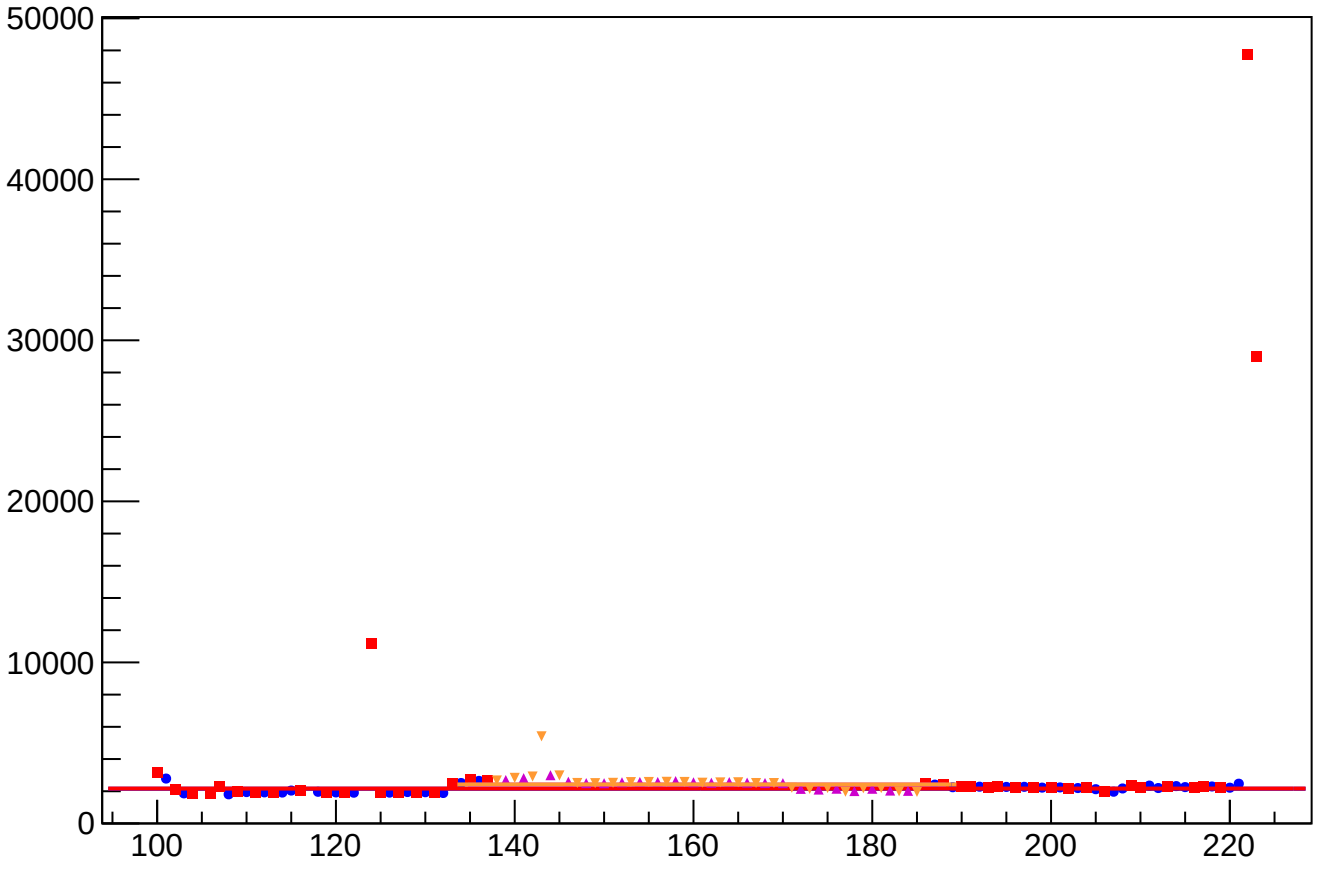
Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

Right: 2150.034+/-331.660 χ^2/NDF: 46.0/72

In: 2265.079+/-360.728 χ^2/NDF:34.8/56

Out: 1603.911+/-359.327 χ^2/NDF:76.1/63

All: 1933.209+/-254.577 χ^2/NDF: 112.6/120



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

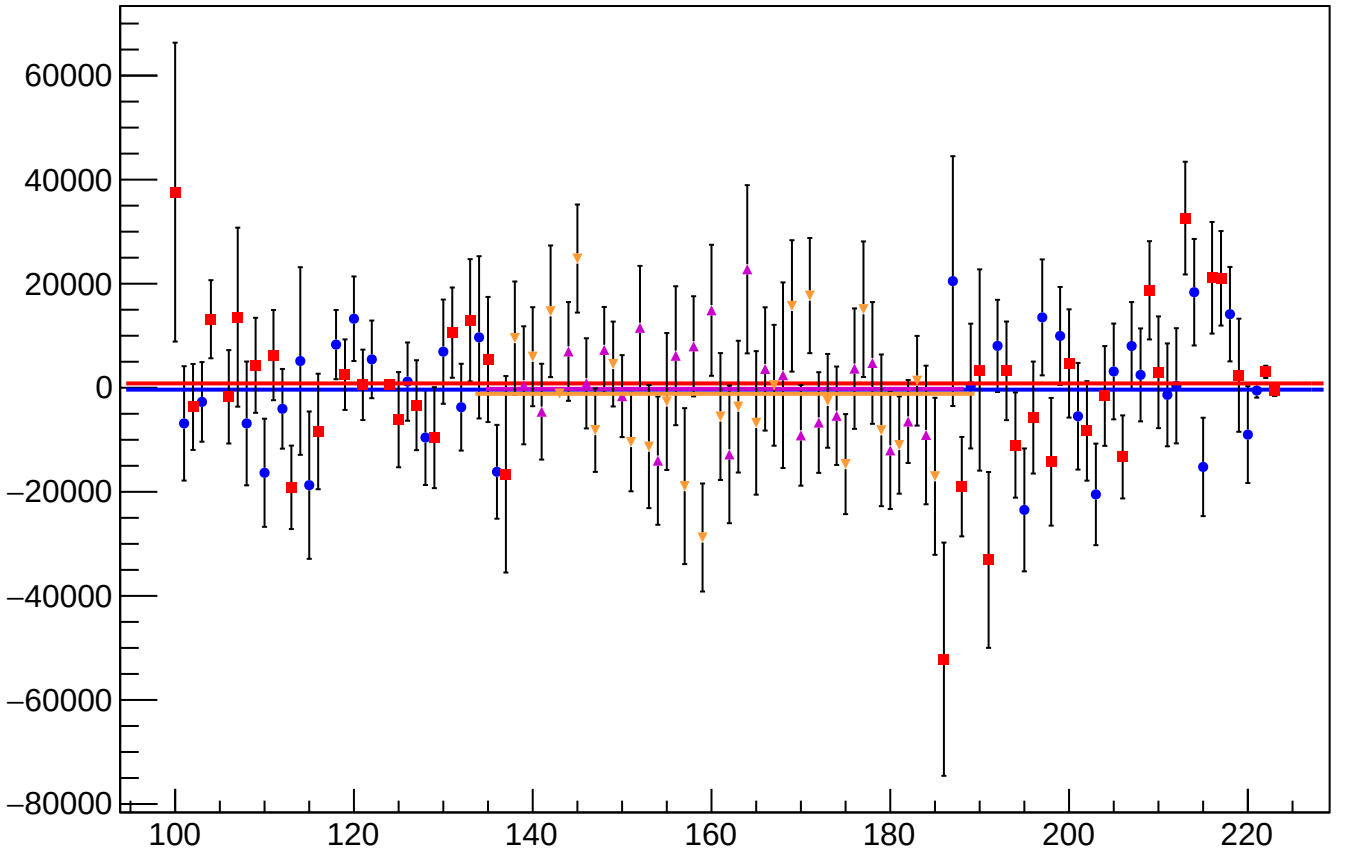
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2160.657+/-0.235 χ^2/NDF: 3164570.5/72

In: 2258.478+/-0.255 χ^2/NDF:1068399.4/56

Out: 2272.647+/-0.254 χ^2/NDF:3963656.0/63

All: 2265.590+/-0.180 χ^2/NDF: 5033604.2/12



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

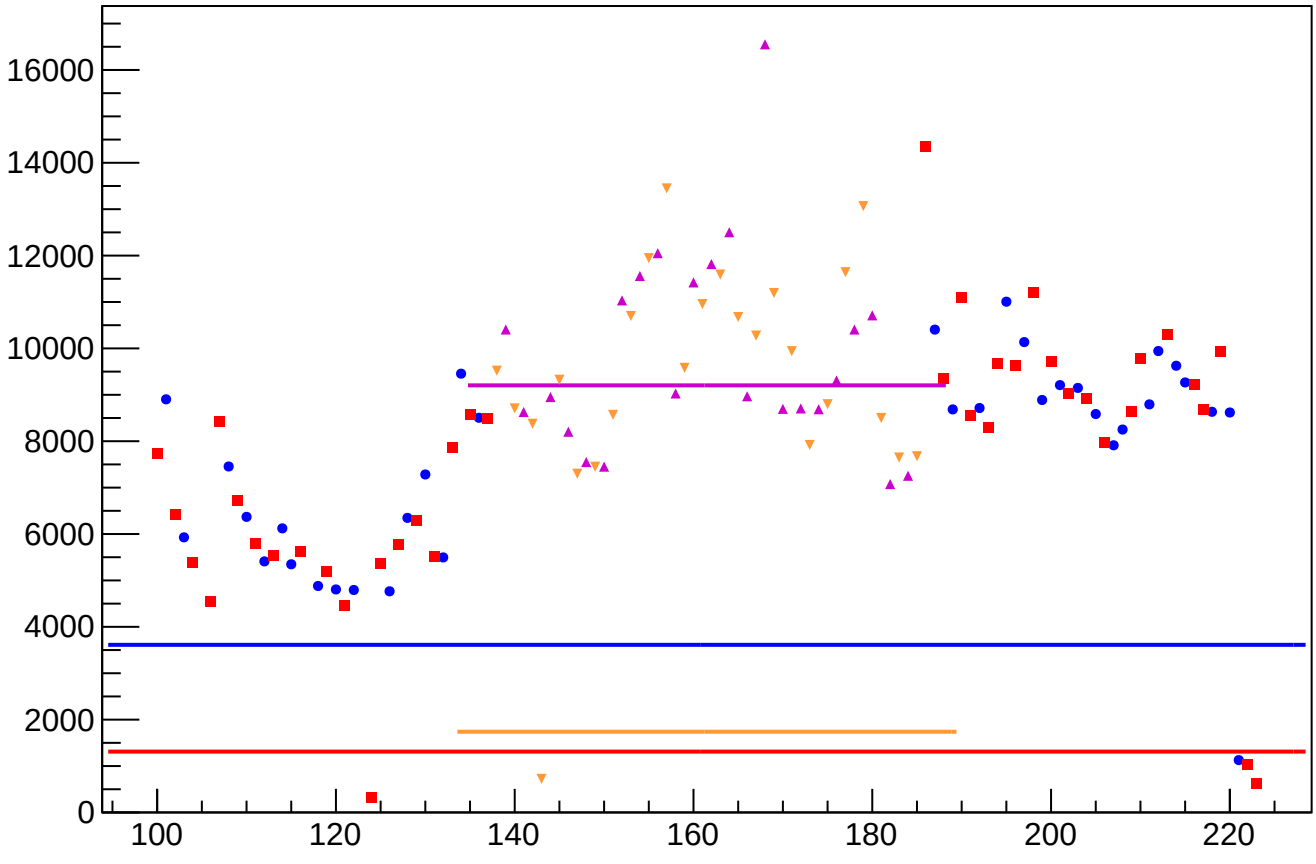
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 579.871+/-484.539 χ^2/NDF: 105.0/72

In: -332.095+/-945.743 χ^2/NDF:52.1/56

Out: 153.394+/-443.219 χ^2/NDF:101.8/63

All: 65.968+/-401.333 χ^2/NDF: 154.1/120



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

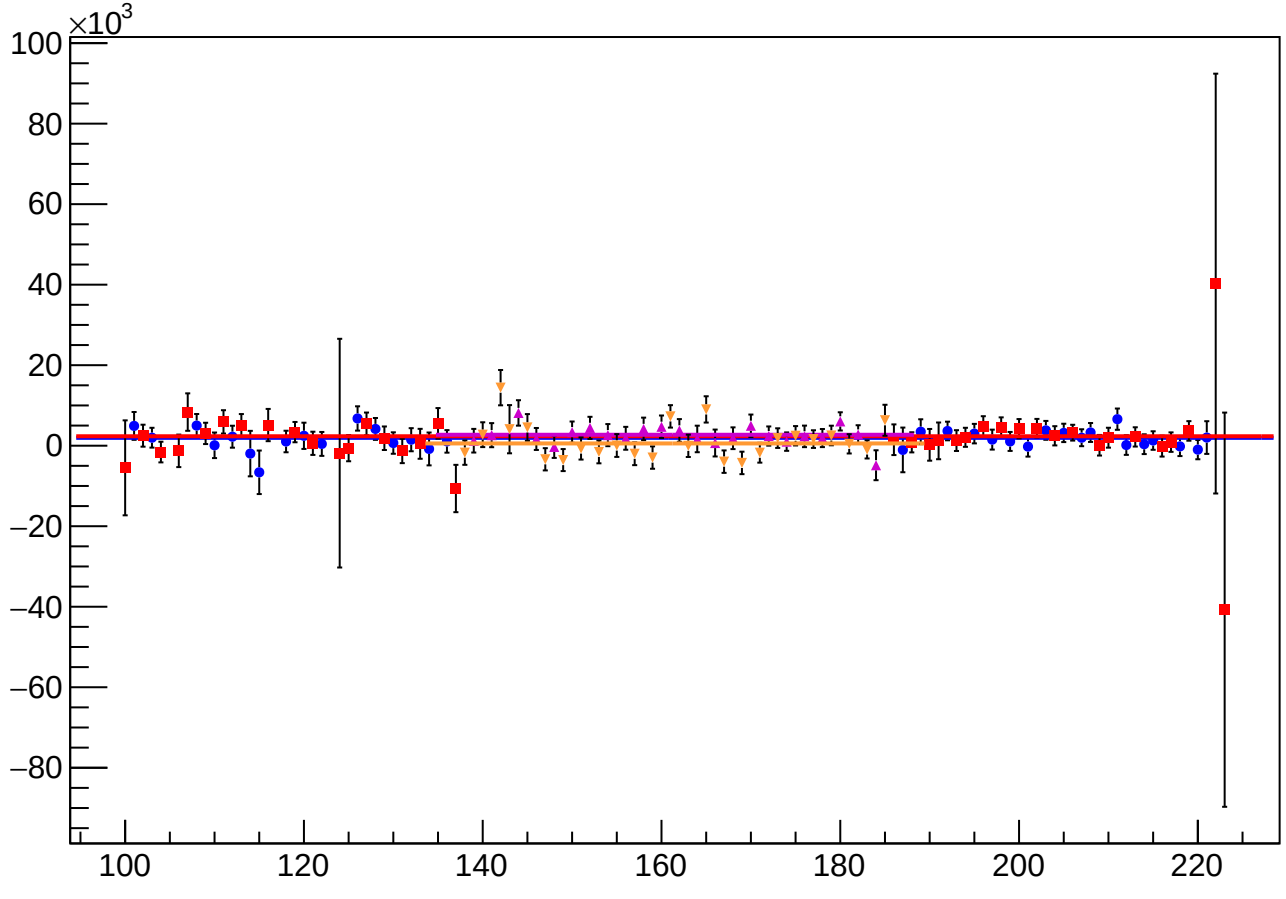
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1803.014+/-0.343 χ^2/NDF: 60395489.1/72

In: 4650.133+/-0.669 χ^2/NDF:31379464.4/56

Out: 1457.689+/-0.313 χ^2/NDF:61432109.9/63

All: 2032.581+/-0.284 χ^2/NDF: 111496981.7



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

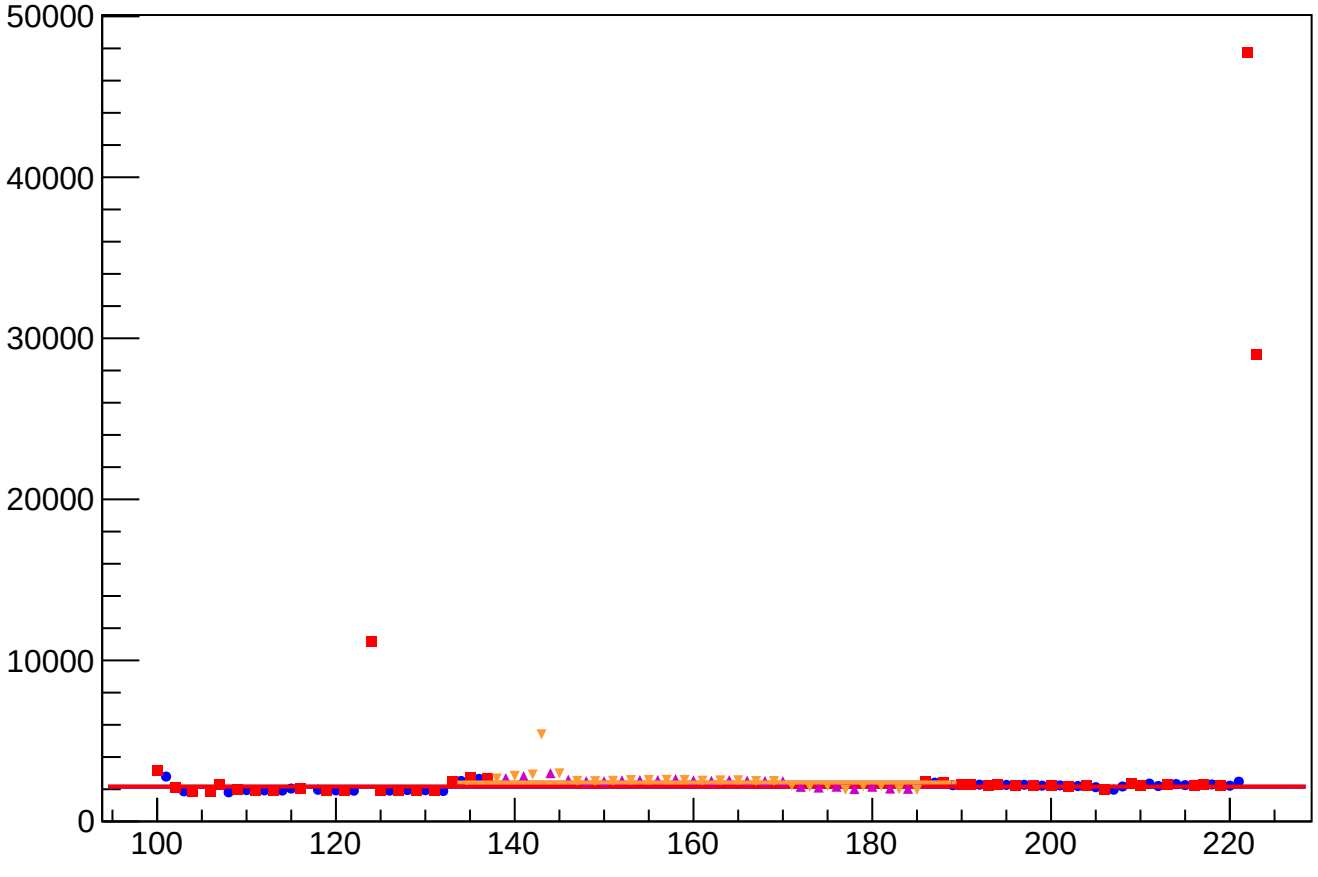
Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

Right: 2150.034+/-331.660 χ^2/NDF: 46.0/72

In: 2265.079+/-360.728 χ^2/NDF:34.8/56

Out: 1603.911+/-359.327 χ^2/NDF:76.1/63

All: 1933.209+/-254.577 χ^2/NDF: 112.6/120



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

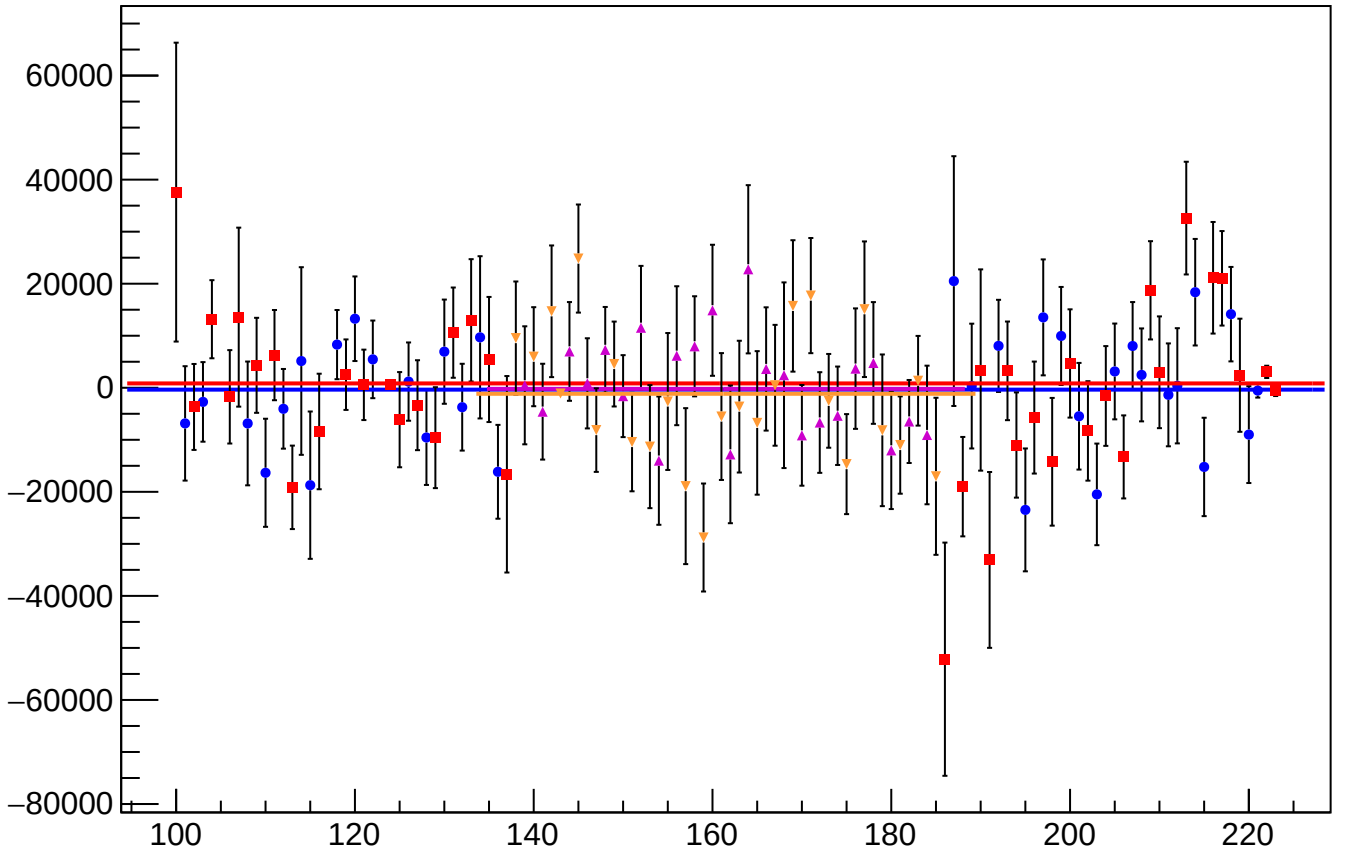
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2160.657+/-0.235 χ^2/NDF: 3164570.5/72

In: 2258.478+/-0.255 χ^2/NDF:1068399.4/56

Out: 2272.647+/-0.254 χ^2/NDF:3963656.0/63

All: 2265.590+/-0.180 χ^2/NDF: 5033604.2/12



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

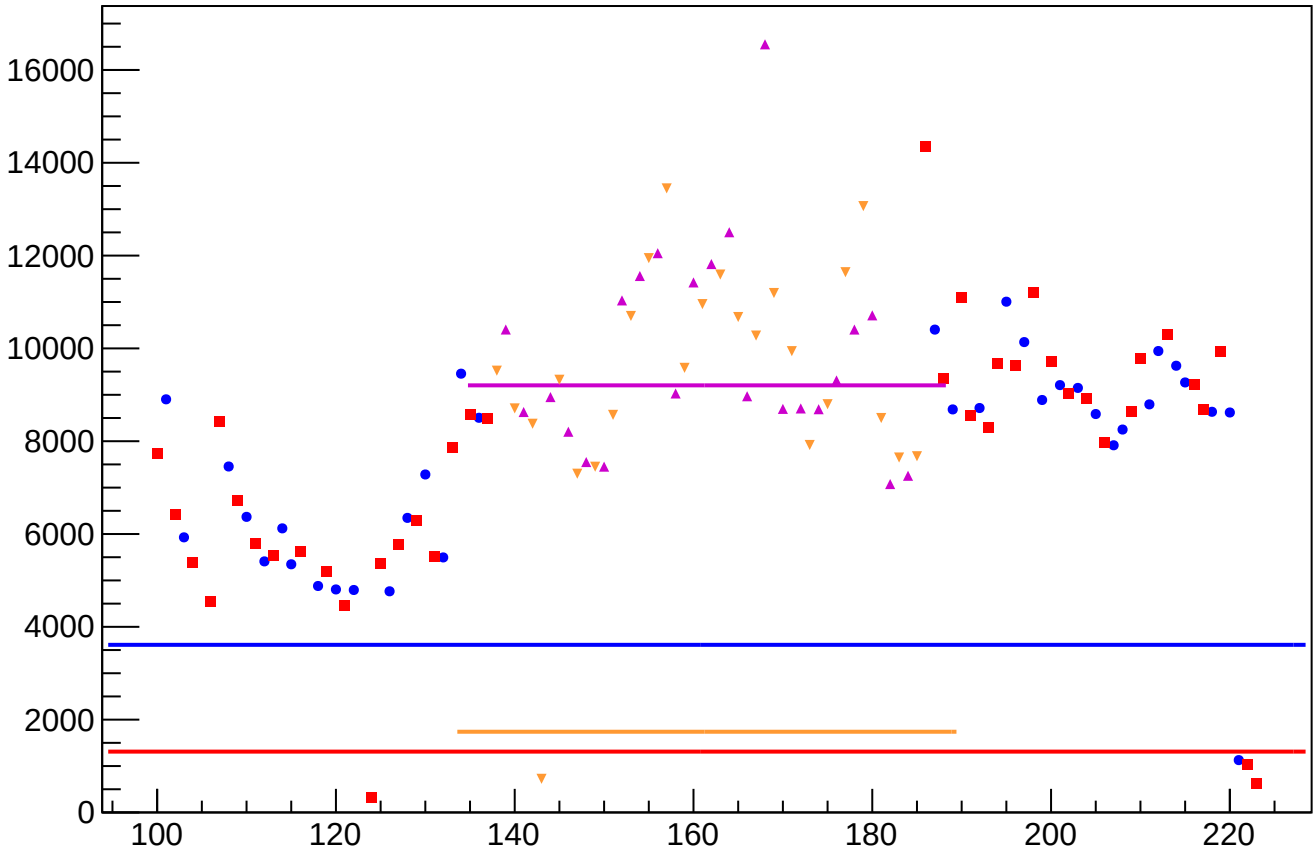
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 579.871+/-484.539 χ^2/NDF: 105.0/72

In: -332.095+/-945.743 χ^2/NDF:52.1/56

Out: 153.394+/-443.219 χ^2/NDF:101.8/63

All: 65.968+/-401.333 χ^2/NDF: 154.1/120



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

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

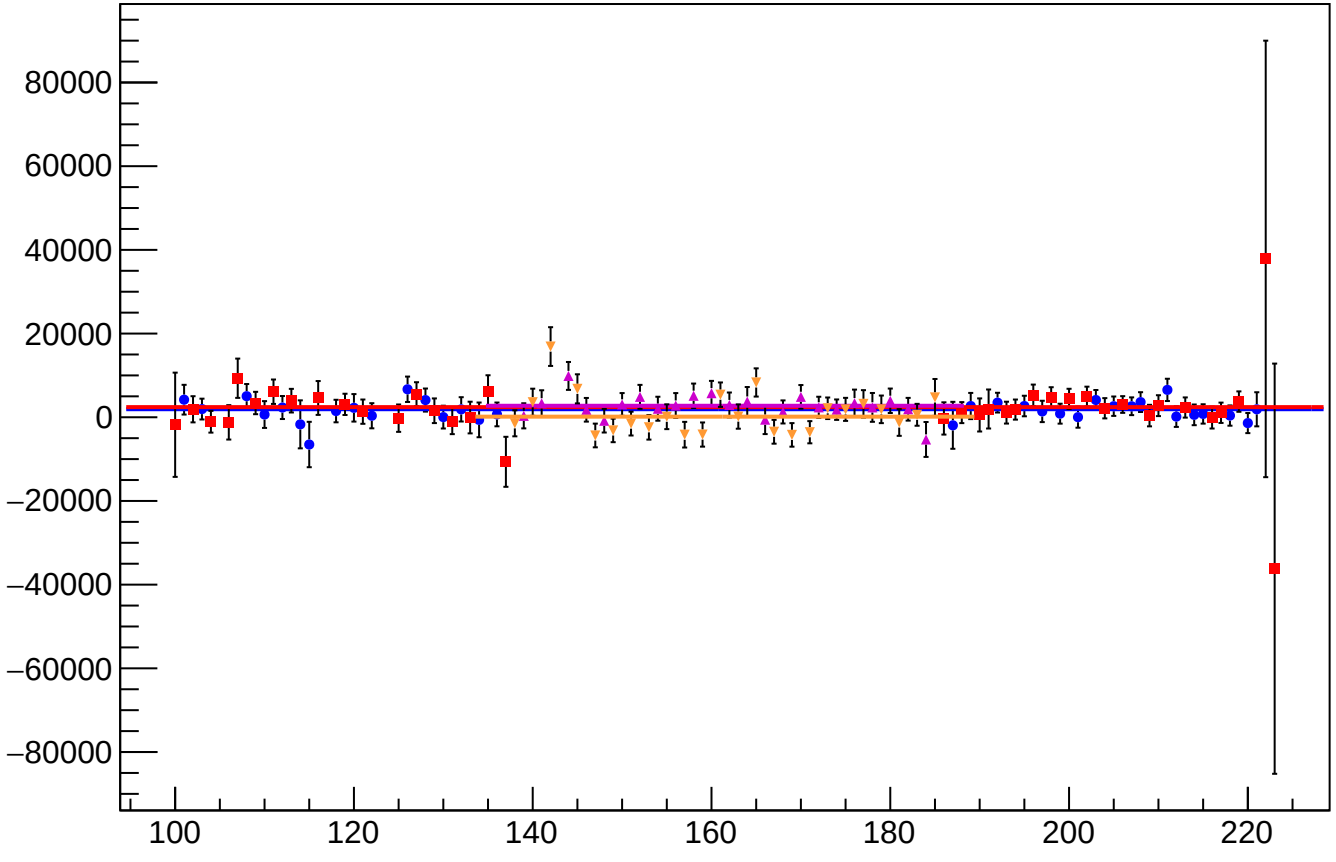
Right: 1803.014+/-0.343 χ^2/NDF: 60395489.1/72

In: 4650.133+/-0.669 χ^2/NDF:31379464.4/56

Out: 1457.689+/-0.313 χ^2/NDF:61432109.9/63

All: 2032.581+/-0.284 χ^2/NDF: 111496981.7

dit_asym_atl2_mean vs Slug, Sign Corrected



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

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

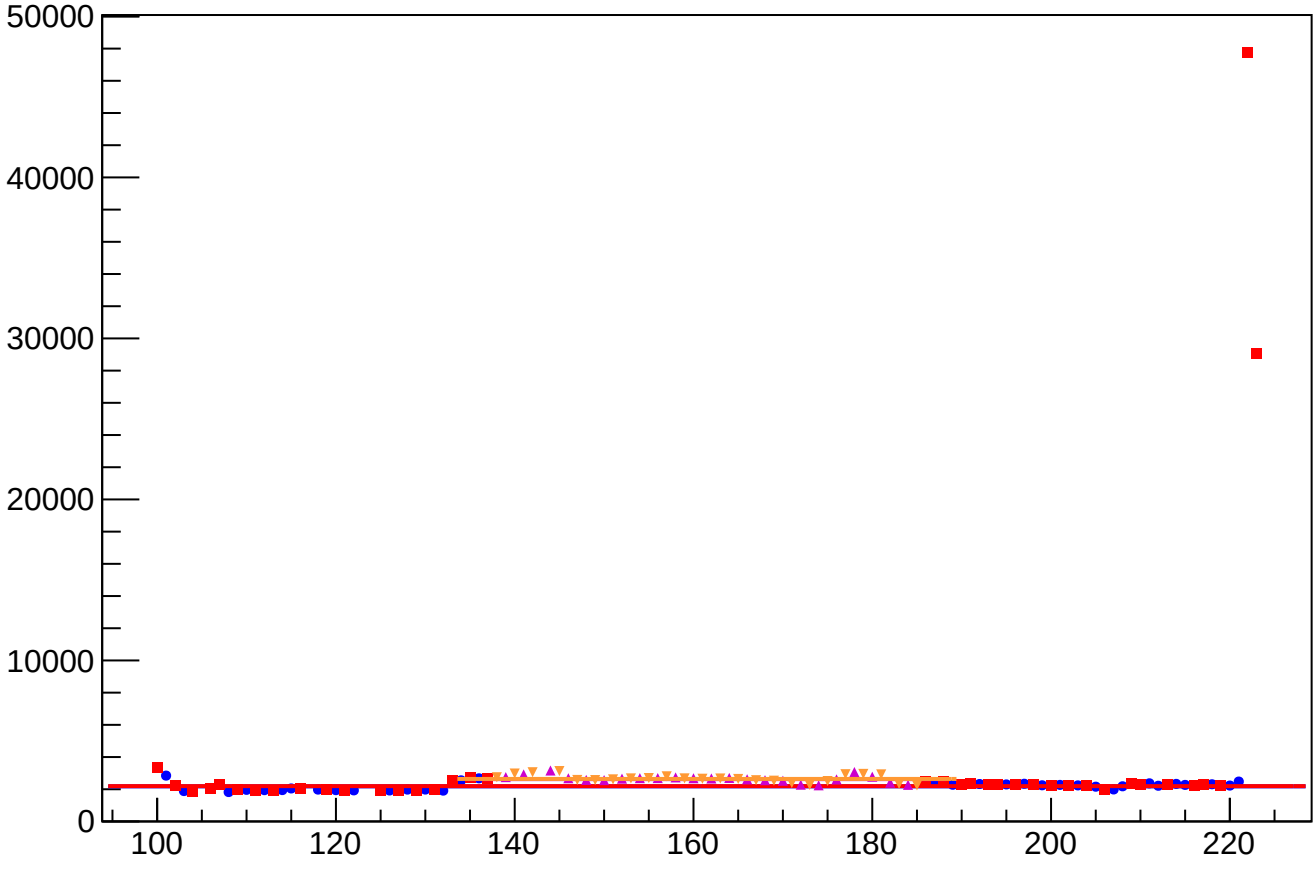
Right: 2170.927+/-336.073 χ^2/NDF: 44.6/71

In: 2228.664+/-375.400 χ^2/NDF:35.4/56

Out: 1567.055+/-377.161 χ^2/NDF:79.6/61

All: 1899.408+/-266.068 χ^2/NDF: 116.5/118

dit_asym_atl2_rms vs Slug, Sign Corrected



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

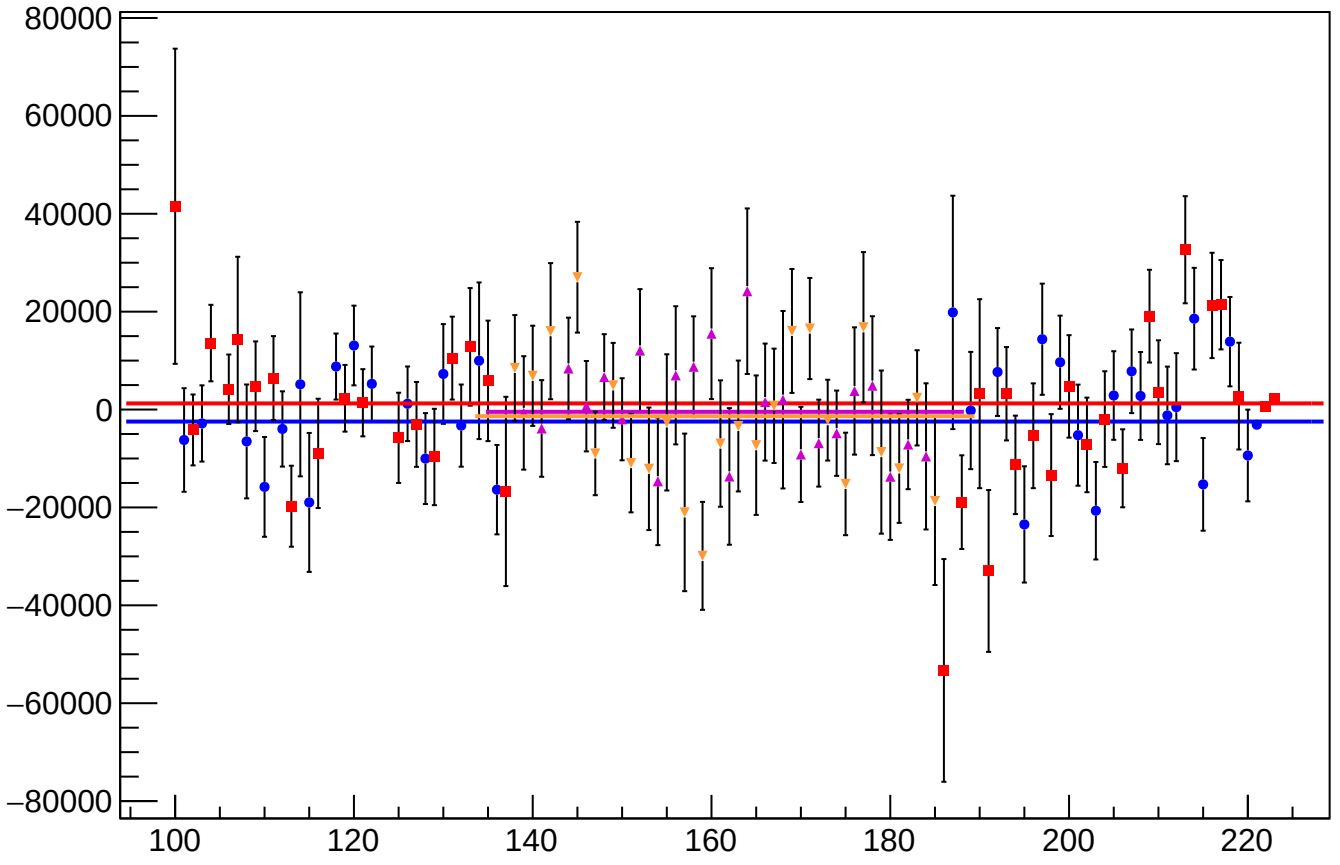
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

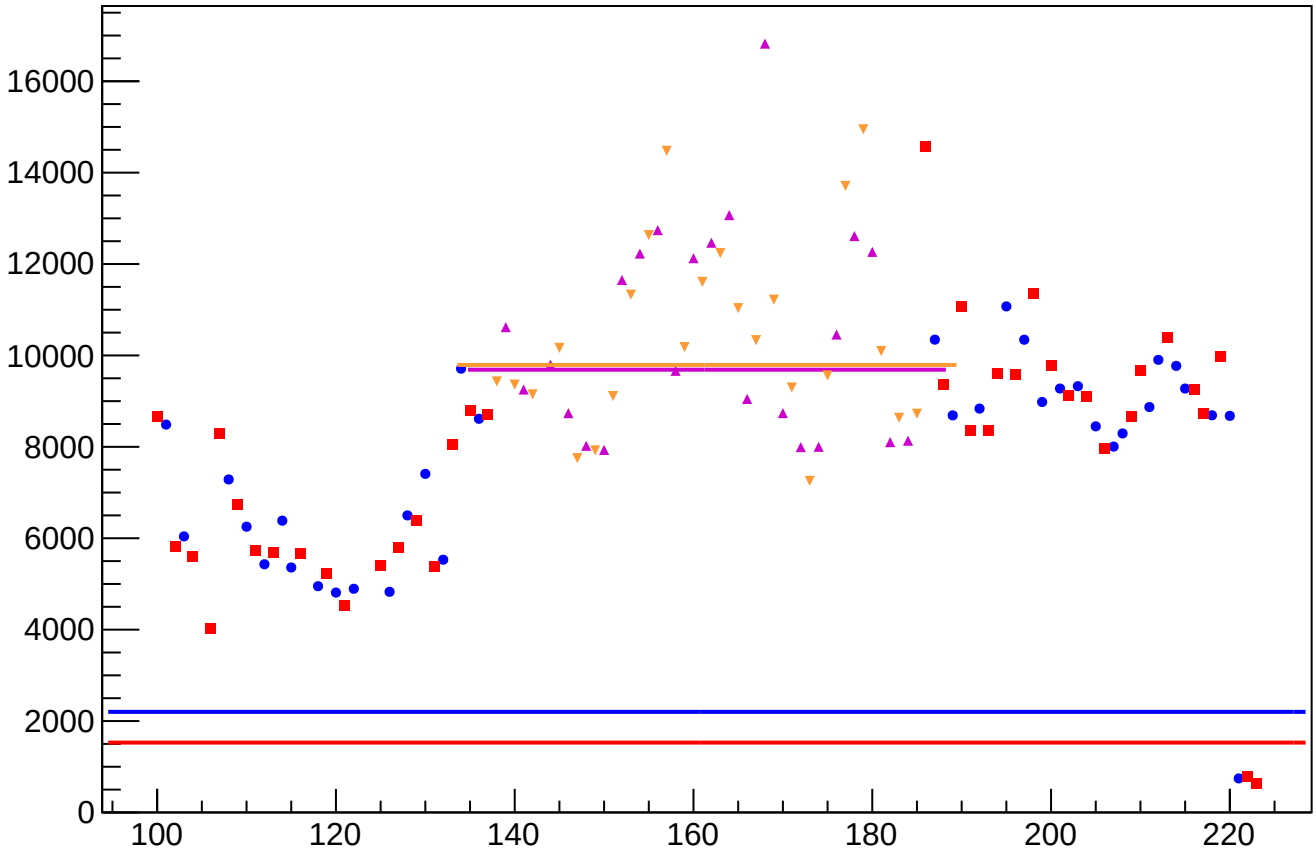
Right: 2186.313+/-0.238 χ^2/NDF: 2970308.1/71

In: 2345.926+/-0.265 χ^2/NDF:1312834.8/56

Out: 2361.225+/-0.267 χ^2/NDF:3475299.3/61

All: 2353.543+/-0.188 χ^2/NDF: 4789787.8/11


asym_atl2_dit_correction_mean vs Slug, Sign Corrected
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -2454.537+/-781.427 χ²/NDF: 40.7/33
Left Out: -1366.840+/-2326.289 χ²/NDF:31.3/23
Right Out: 1255.890+/-576.475 χ²/NDF: 61.9/37
Left In: -463.775+/-2314.478 χ²/NDF:13.1/22
Left: -913.009+/-1640.743 χ²/NDF: 44.4/46
Right: -51.771+/-463.900 χ²/NDF: 117.2/71
In: -2250.829+/-740.368 χ²/NDF:54.4/56
Out: 1104.149+/-559.550 χ²/NDF:94.4/61
All: -115.523+/-446.400 χ²/NDF: 161.9/118



Right In: 2201.572+/-0.553 χ^2/NDF: 27438678.0/33

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 1528.709+/-0.408 χ^2/NDF: 31212213.9/37

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

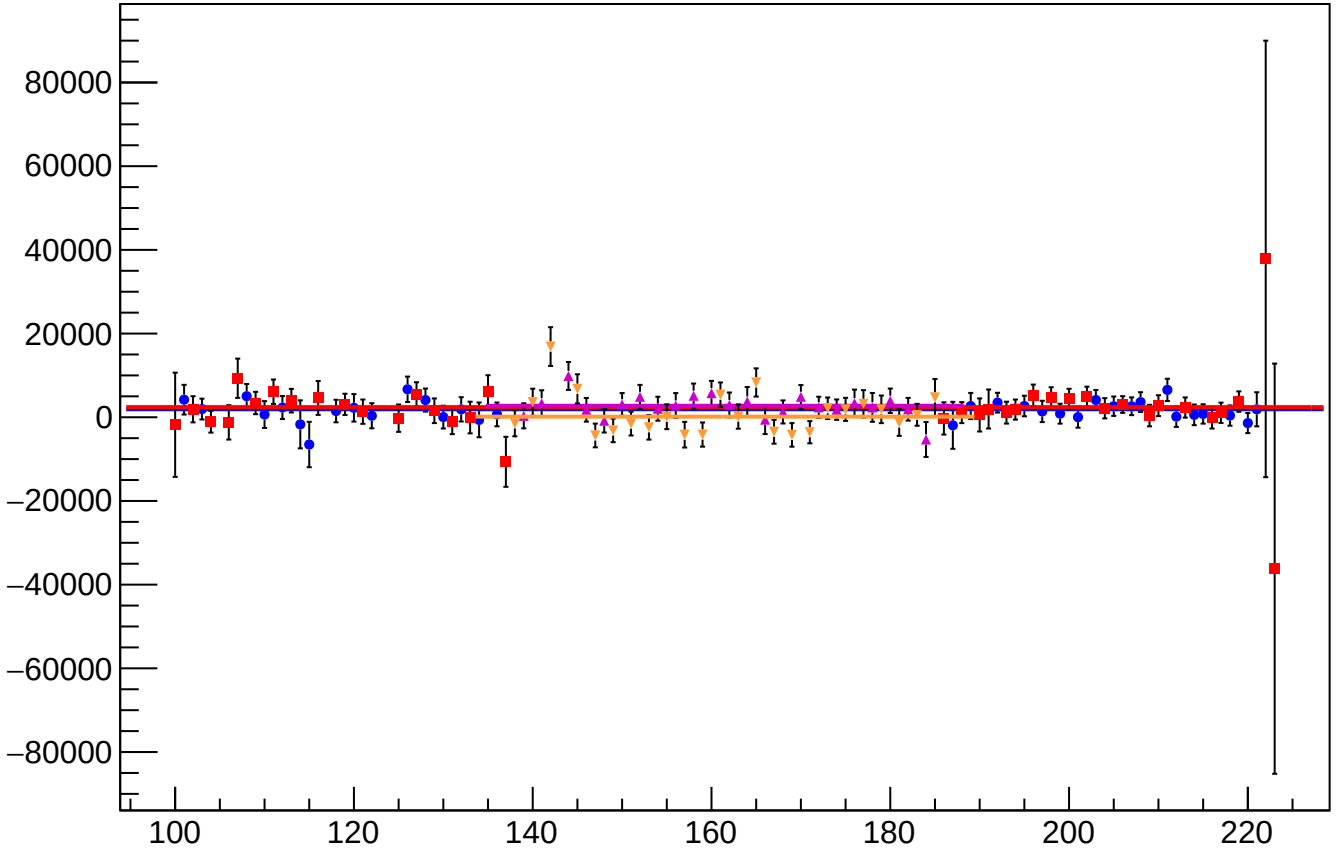
Right: 1765.846+/-0.328 χ^2/NDF: 59611162.7/71

In: 2967.652+/-0.524 χ^2/NDF:47601896.3/56

Out: 2006.806+/-0.396 χ^2/NDF:56207908.6/61

All: 2356.113+/-0.316 χ^2/NDF: 105953745.6

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



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

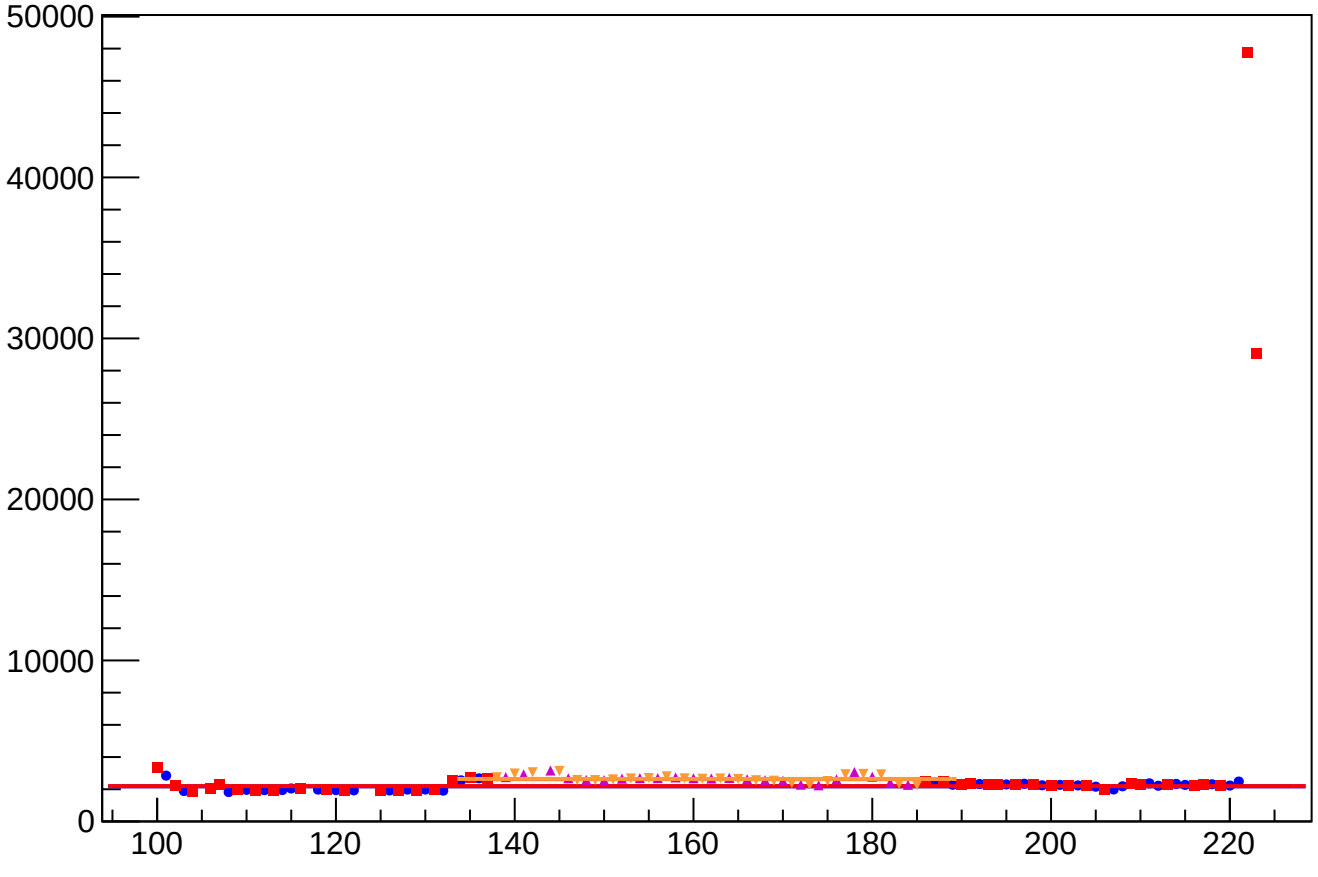
Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

Right: 2170.926+/-336.073 χ^2/NDF: 44.6/71

In: 2228.665+/-375.400 χ^2/NDF:35.4/56

Out: 1567.049+/-377.161 χ^2/NDF:79.6/61

All: 1899.406+/-266.068 χ^2/NDF: 116.5/118



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

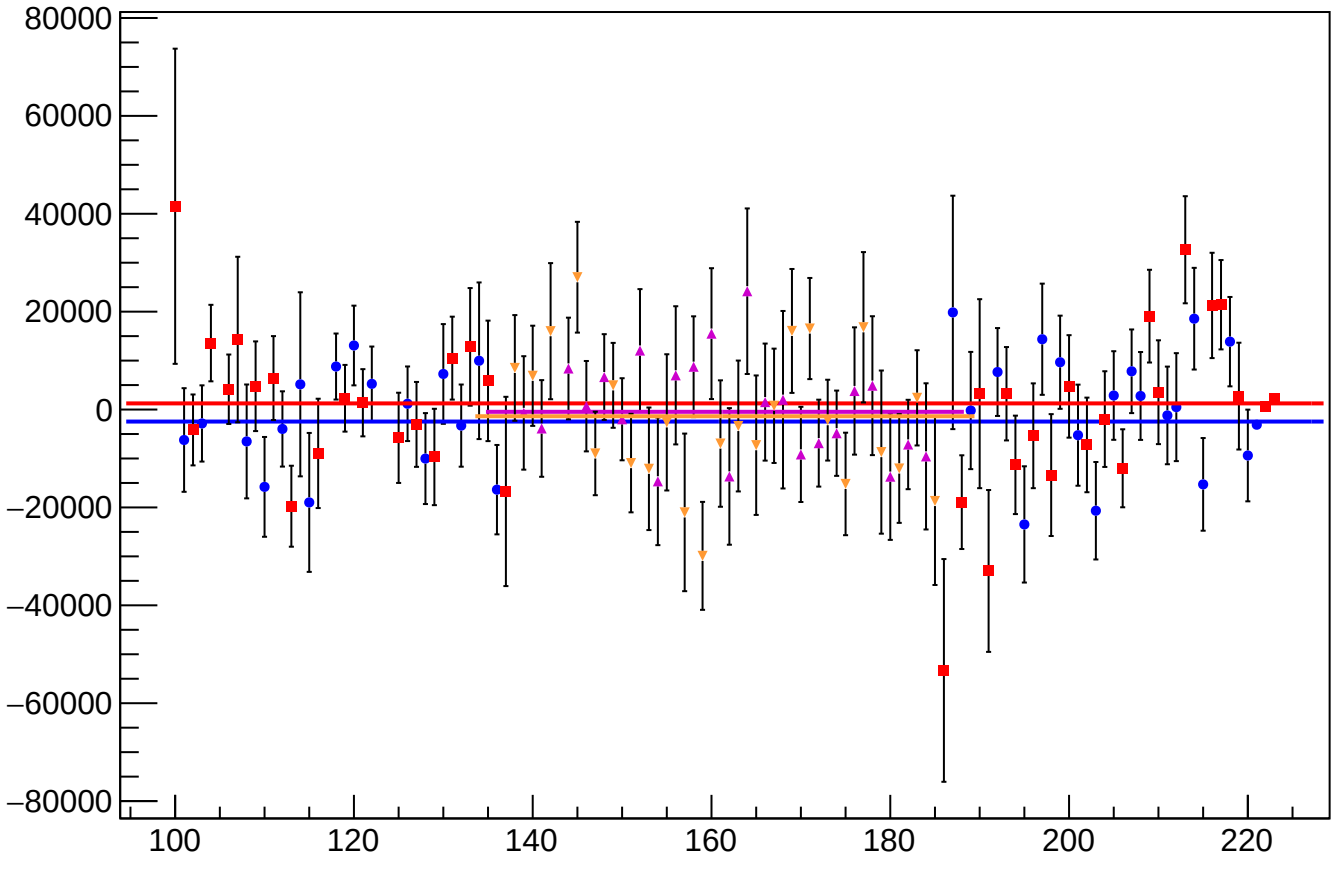
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2186.313+/-0.238 χ^2/NDF: 2970308.6/71

In: 2345.927+/-0.265 χ^2/NDF:1312849.1/56

Out: 2361.226+/-0.267 χ^2/NDF:3475315.3/61

All: 2353.544+/-0.188 χ^2/NDF: 4789818.1/11



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

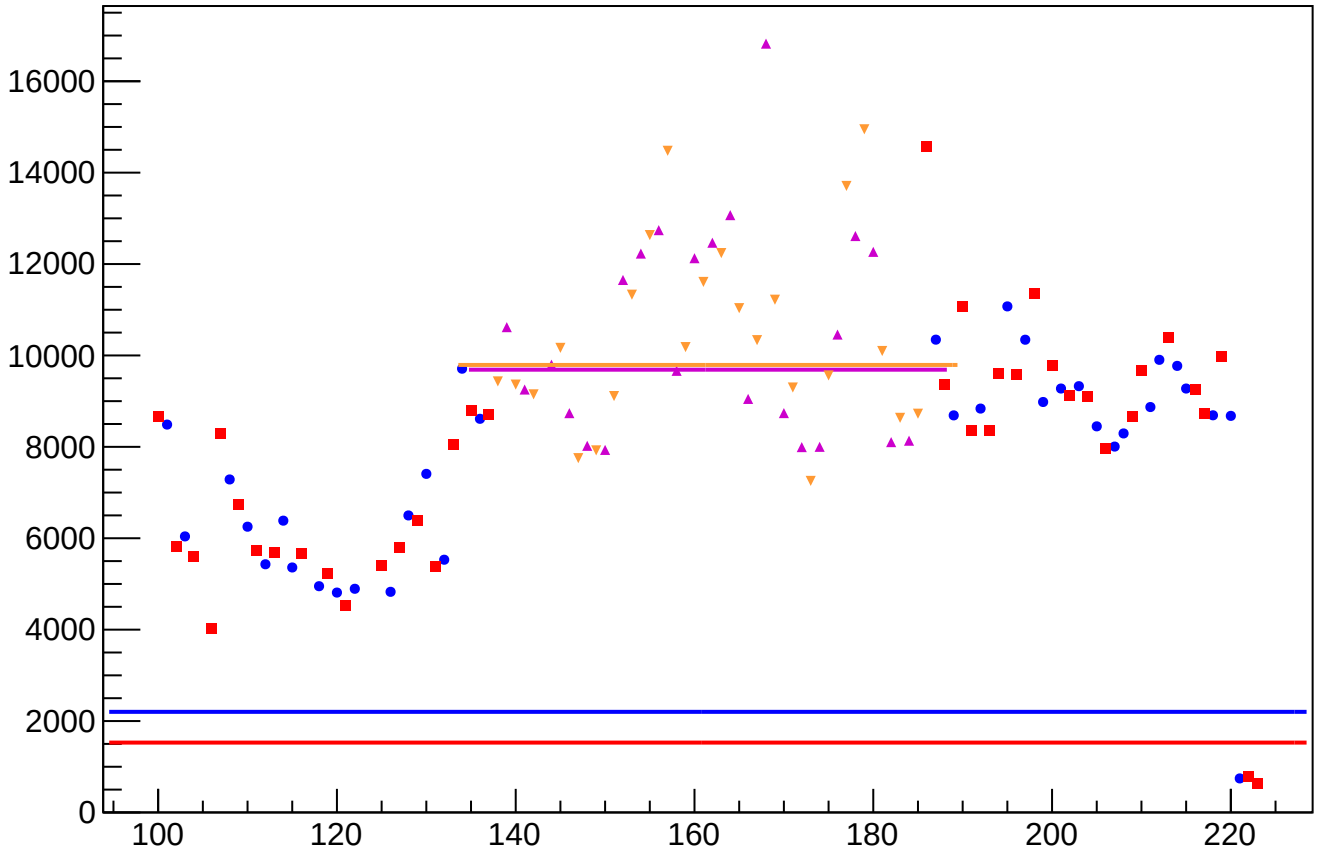
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -51.772+/-463.901 χ^2/NDF: 117.2/71

In: -2250.828+/-740.369 χ^2/NDF:54.4/56

Out: 1104.146+/-559.551 χ^2/NDF:94.4/61

All: -115.524+/-446.401 χ^2/NDF: 161.9/118



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

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

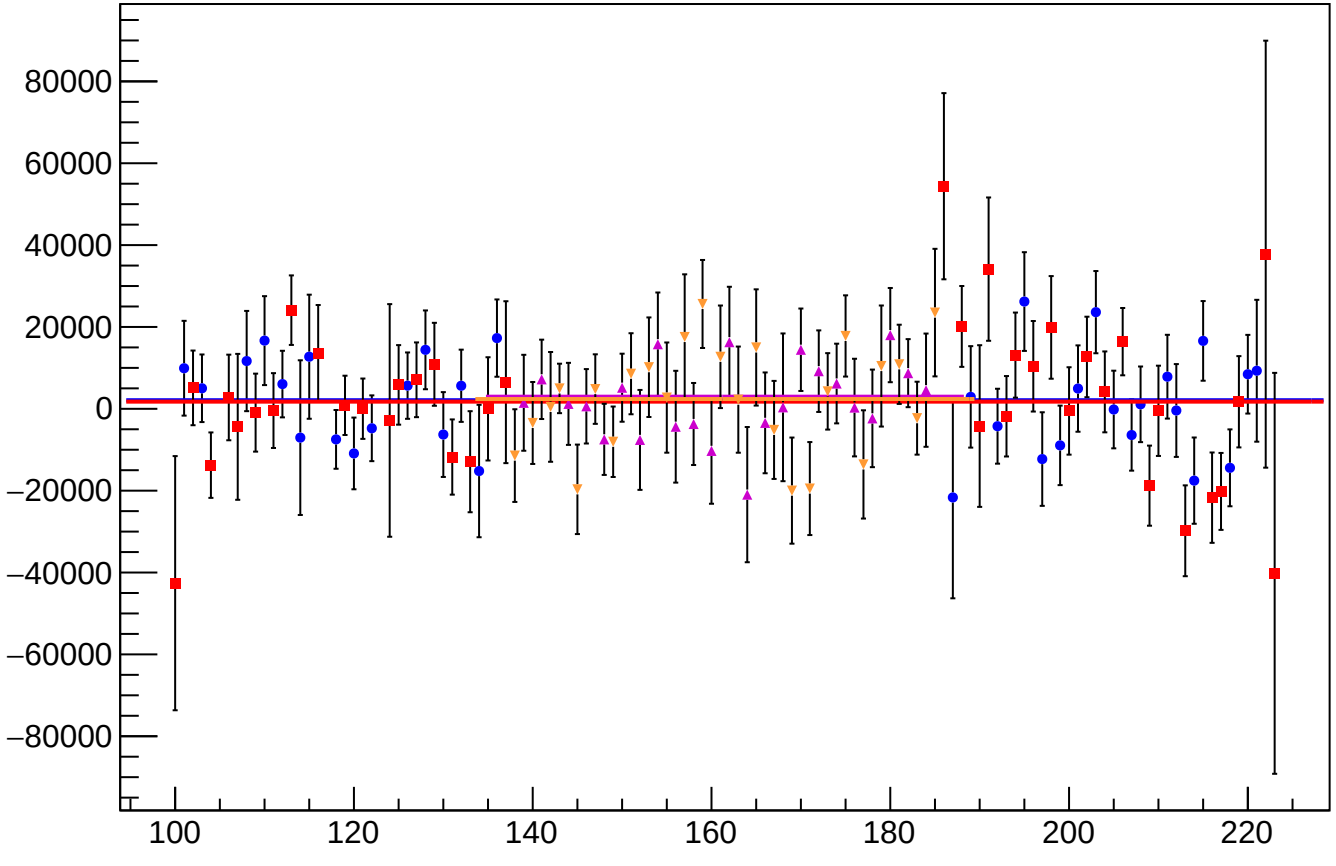
Right: 1765.851+/-0.328 χ^2/NDF: 59611092.3/71

In: 2967.661+/-0.524 χ^2/NDF:47601834.3/56

Out: 2006.811+/-0.396 χ^2/NDF:56207860.7/61

All: 2356.119+/-0.316 χ^2/NDF: 105953645.2

asym_atl2_mean vs Slug, Sign Corrected



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

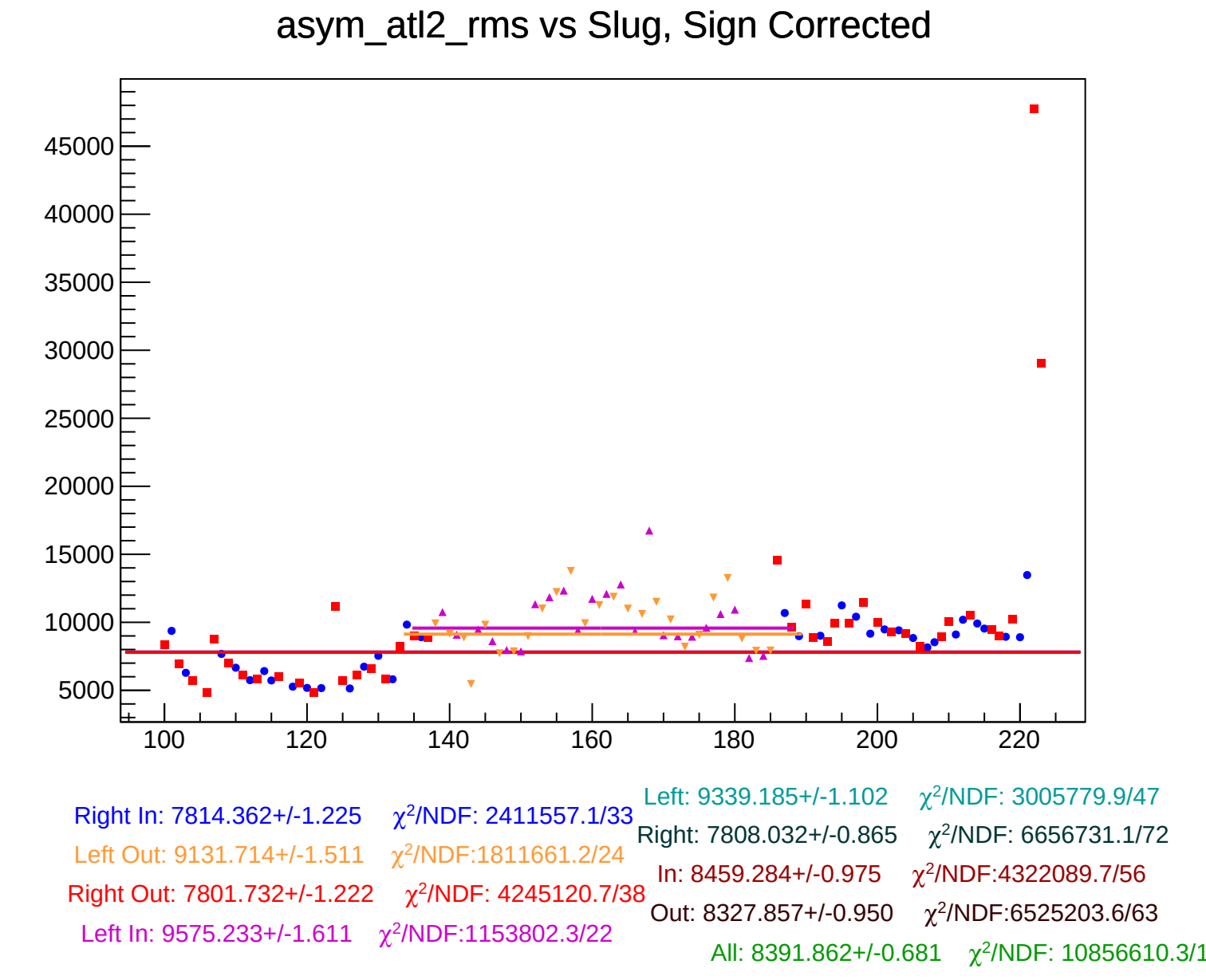
Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

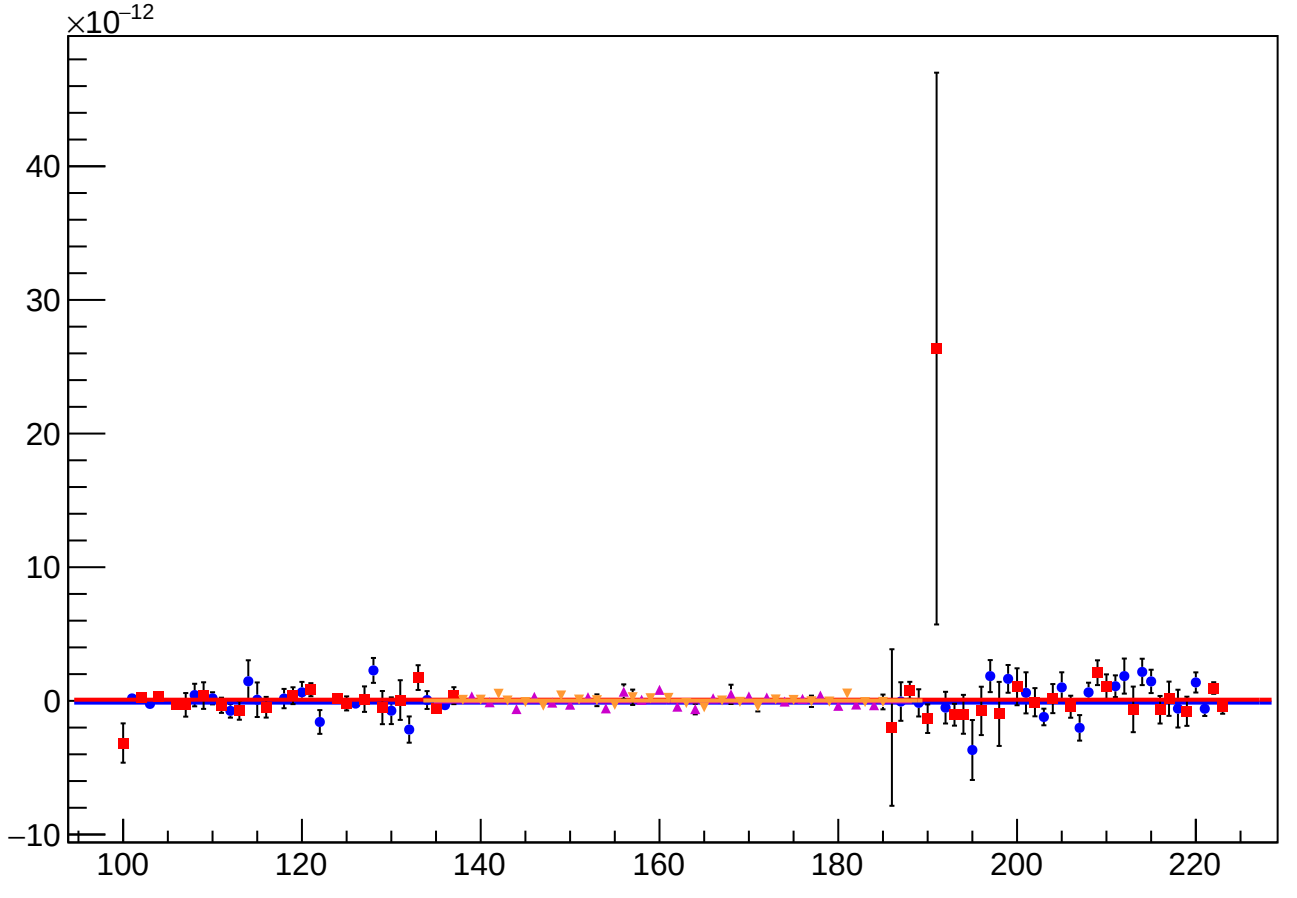
Right: 1928.370+/-1223.651 χ^2/NDF: 102.6/72

In: 2418.822+/-1379.193 χ^2/NDF:51.8/56

Out: 2004.469+/-1343.812 χ^2/NDF:93.6/63

All: 2206.263+/-962.484 χ^2/NDF: 145.4/120


asym_atl2_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 7814.362+/-1.225 χ²/NDF: 2411557.1/33
Left Out: 9131.714+/-1.511 χ²/NDF:1811661.2/24
Right Out: 7801.732+/-1.222 χ²/NDF: 4245120.7/38
Left In: 9575.233+/-1.611 χ²/NDF:1153802.3/22
Left: 9339.185+/-1.102 χ²/NDF: 3005779.9/47
Right: 7808.032+/-0.865 χ²/NDF: 6656731.1/72
In: 8459.284+/-0.975 χ²/NDF:4322089.7/56
Out: 8327.857+/-0.950 χ²/NDF:6525203.6/63
All: 8391.862+/-0.681 χ²/NDF: 10856610.3/1



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

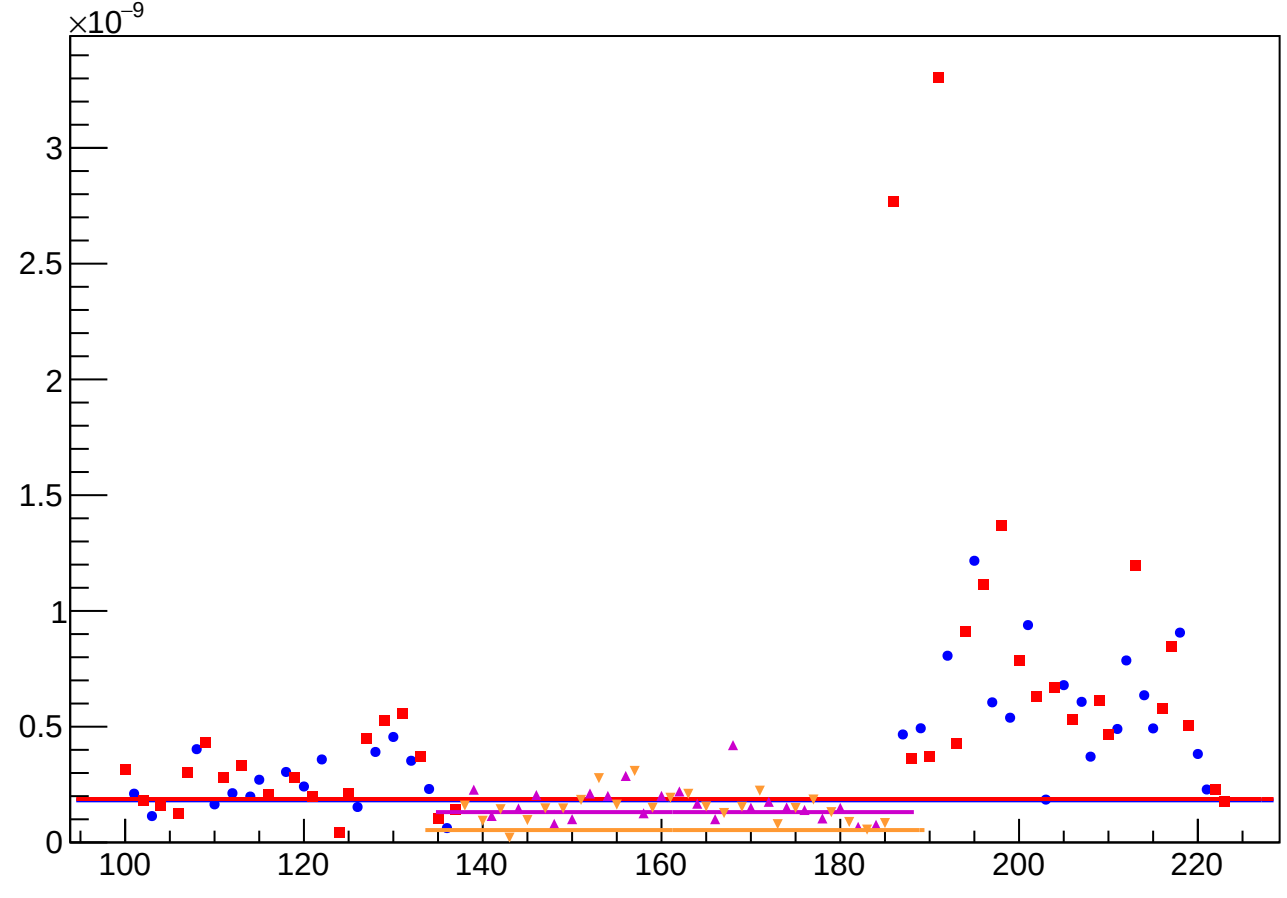
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 102.3/72

In: -0.000+/-0.000 χ^2/NDF:94.7/56

Out: 0.000+/-0.000 χ^2/NDF:60.2/63

All: 0.000+/-0.000 χ^2/NDF: 158.6/120



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

Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

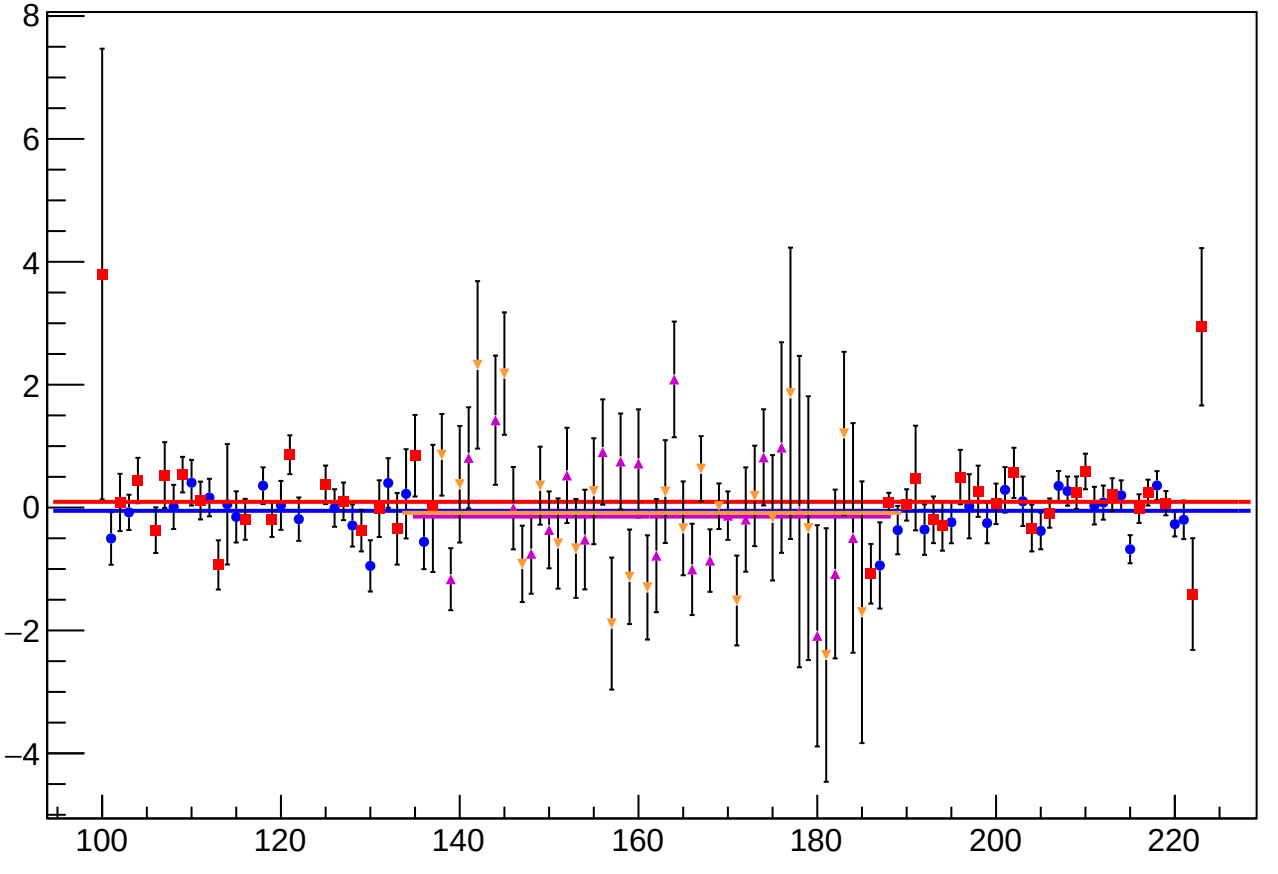
Right: 0.000+/-0.000 χ^2/NDF: 16576940.9/72

In: 0.000+/-0.000 χ^2/NDF:9932509.6/56

Out: 0.000+/-0.000 χ^2/NDF:20565164.3/63

All: 0.000+/-0.000 χ^2/NDF: 34635995.6/120

asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

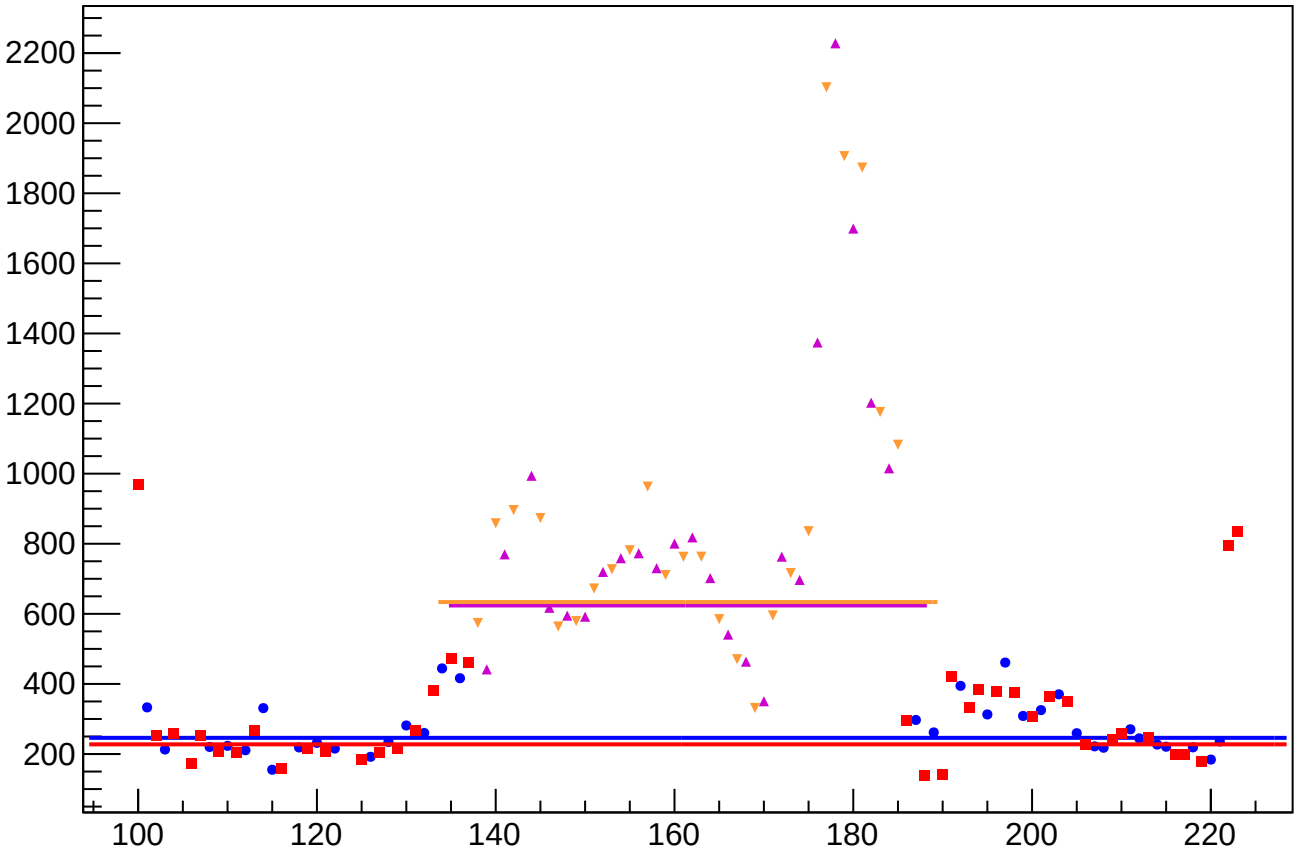
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.025+/-0.038 χ^2/NDF: 89.2/71

In: -0.063+/-0.053 χ^2/NDF:63.4/56

Out: 0.076+/-0.050 χ^2/NDF:80.3/61

All: 0.010+/-0.036 χ^2/NDF: 147.4/118



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

Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

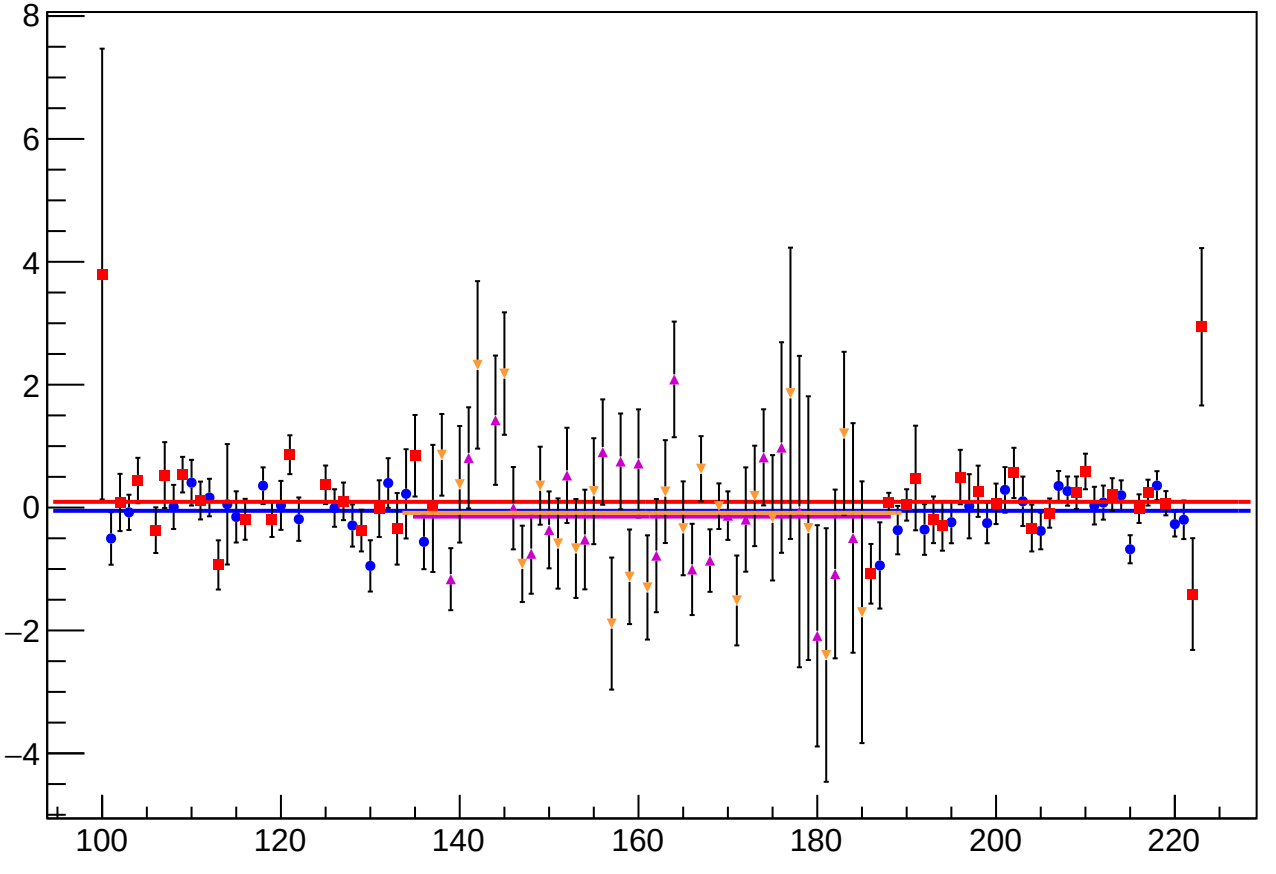
Right: 236.362+/-0.027 χ^2/NDF: 7166068.8/71

In: 287.953+/-0.037 χ^2/NDF:16865950.4/56

Out: 266.701+/-0.035 χ^2/NDF:21294797.0/61

All: 276.805+/-0.026 χ^2/NDF: 38331903.4/11

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

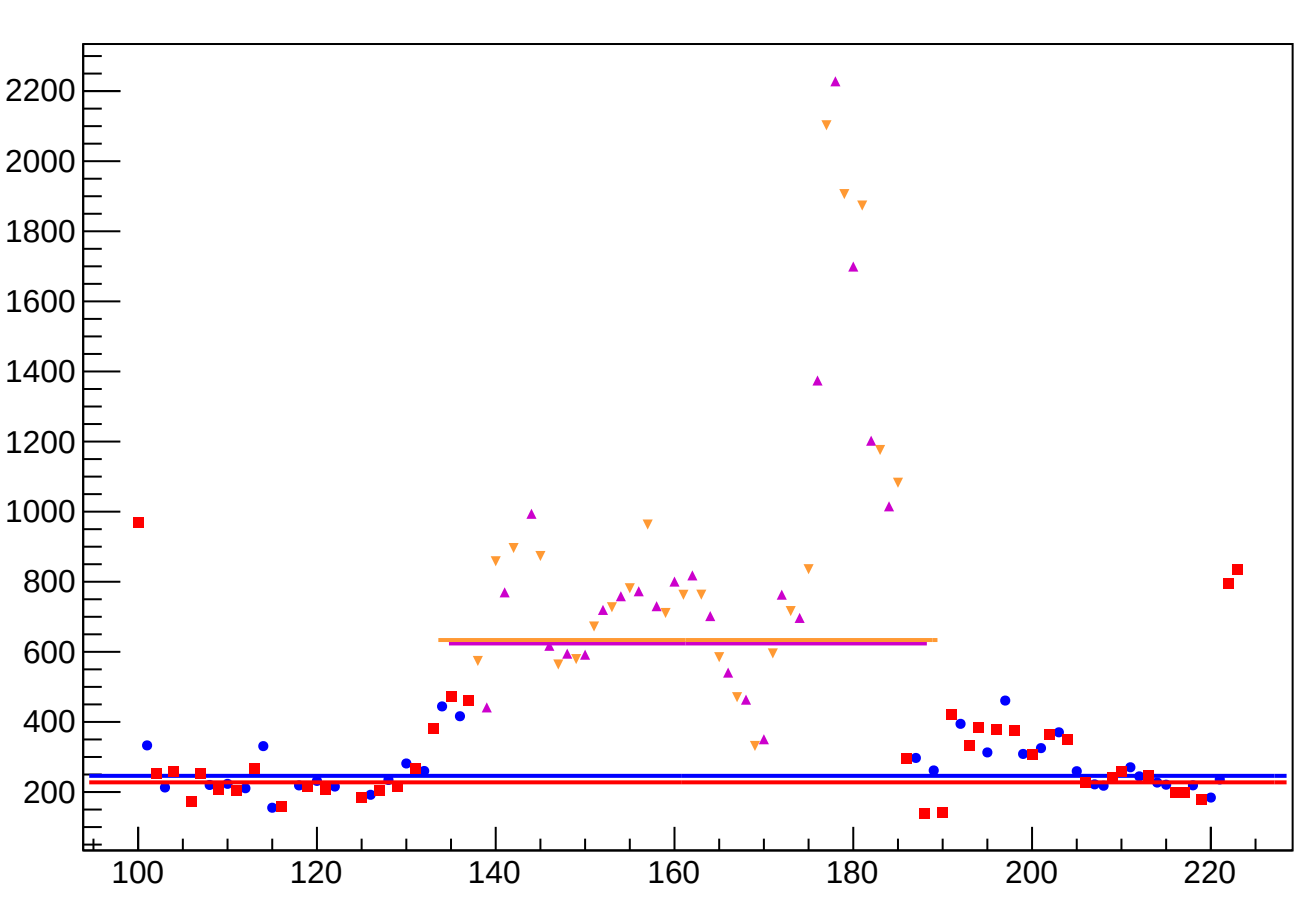
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.025+/-0.038 χ^2/NDF: 89.2/71

In: -0.063+/-0.053 χ^2/NDF:63.4/56

Out: 0.076+/-0.050 χ^2/NDF:80.3/61

All: 0.010+/-0.036 χ^2/NDF: 147.4/118



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

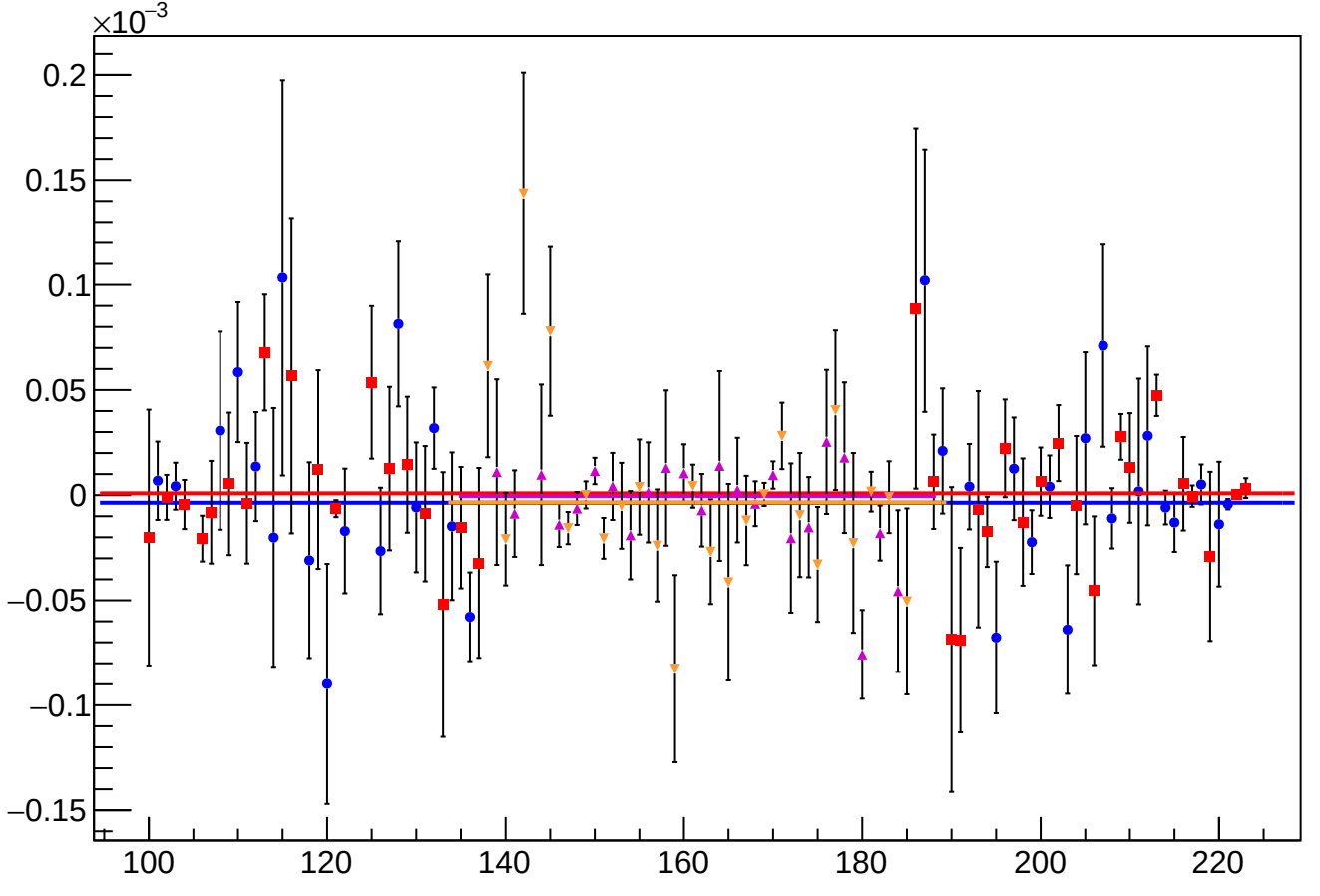
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 236.362+/-0.027 χ^2/NDF: 7166068.8/71

In: 287.953+/-0.037 χ^2/NDF:16865950.4/56

Out: 266.701+/-0.035 χ^2/NDF:21294797.0/61

All: 276.805+/-0.026 χ^2/NDF: 38331903.4/11



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

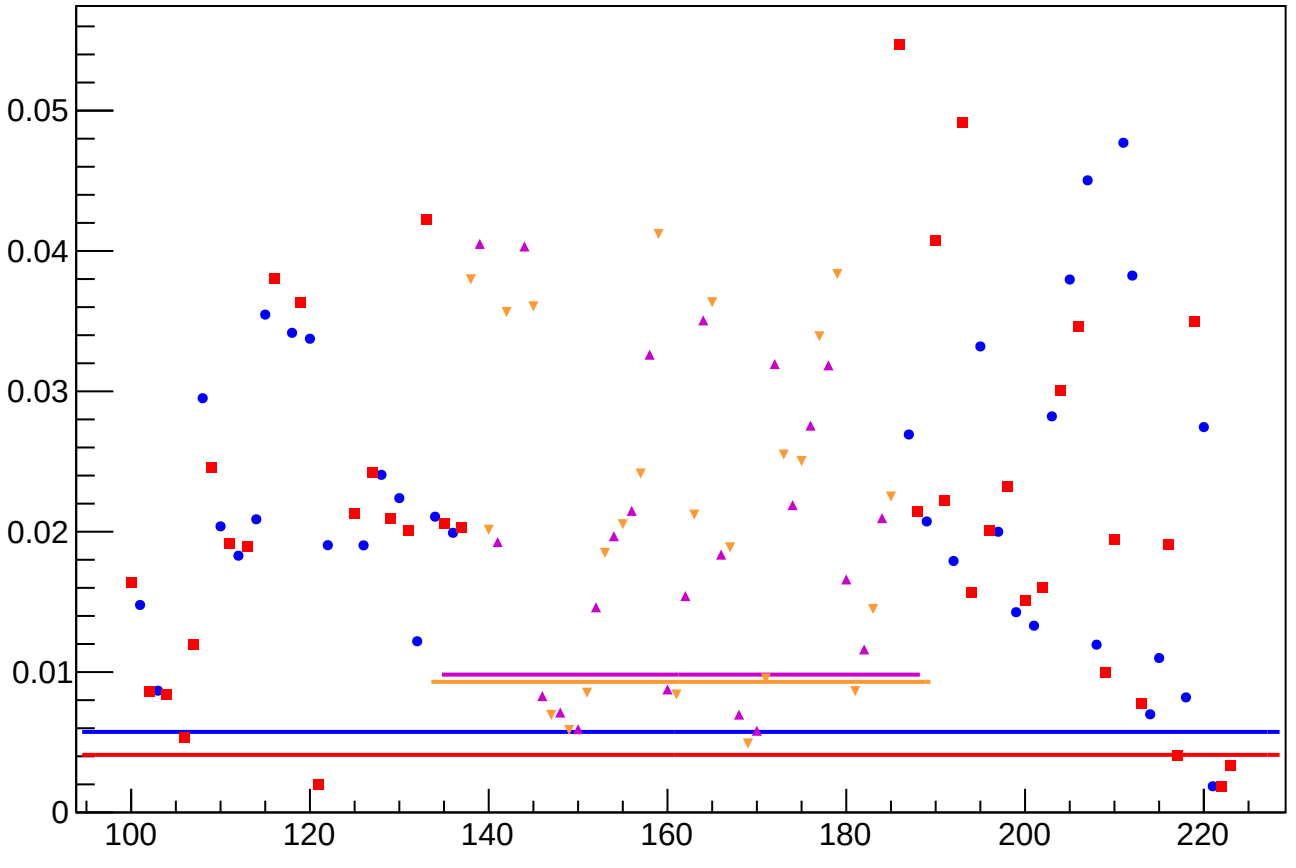
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 104.9/71

In: -0.000+/-0.000 χ^2/NDF:71.9/56

Out: -0.000+/-0.000 χ^2/NDF:94.7/61

All: -0.000+/-0.000 χ^2/NDF: 168.0/118



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

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

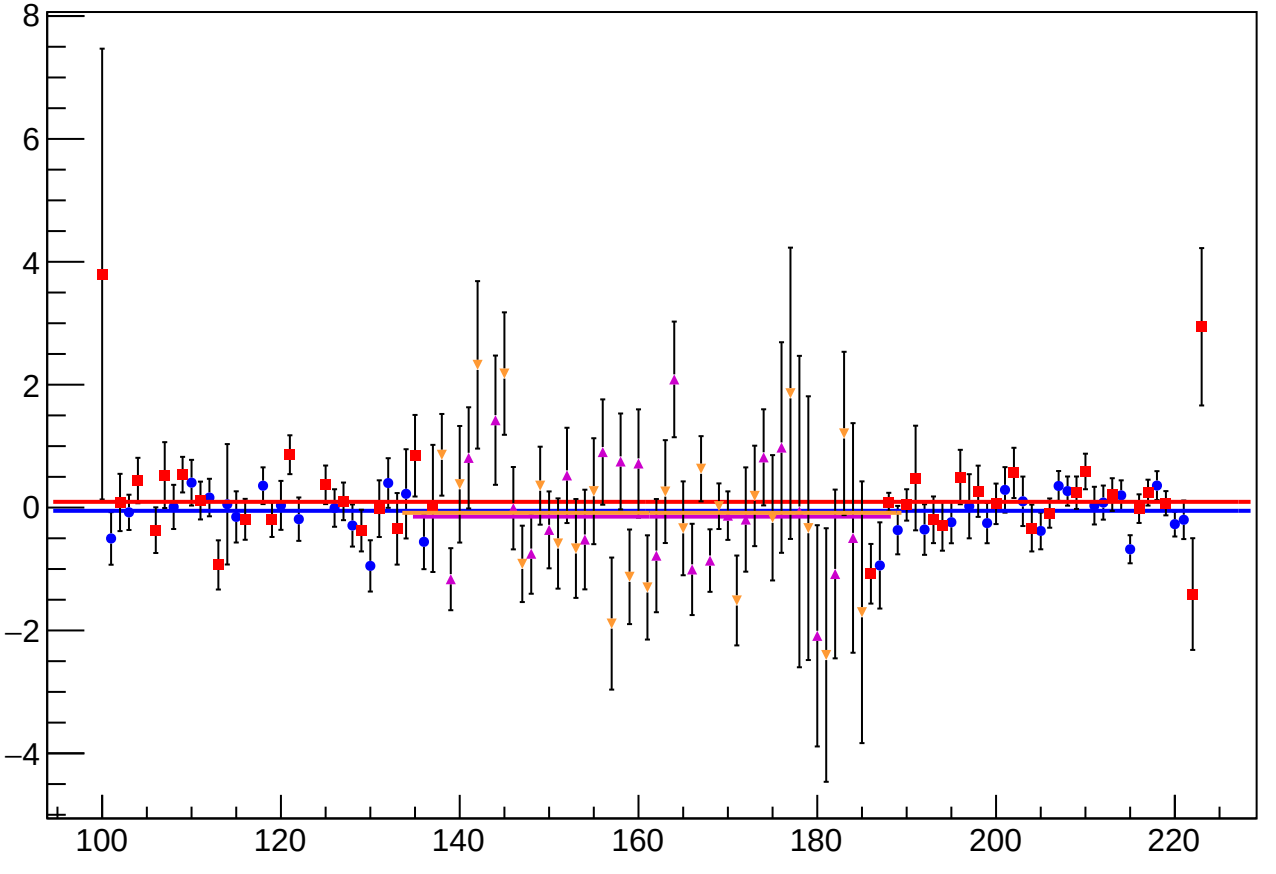
Right: 0.005+/-0.000 χ^2/NDF: 50846388.8/71

In: 0.007+/-0.000 χ^2/NDF:37143554.4/56

Out: 0.005+/-0.000 χ^2/NDF:43617038.2/61

All: 0.006+/-0.000 χ^2/NDF: 82285830.9/118

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

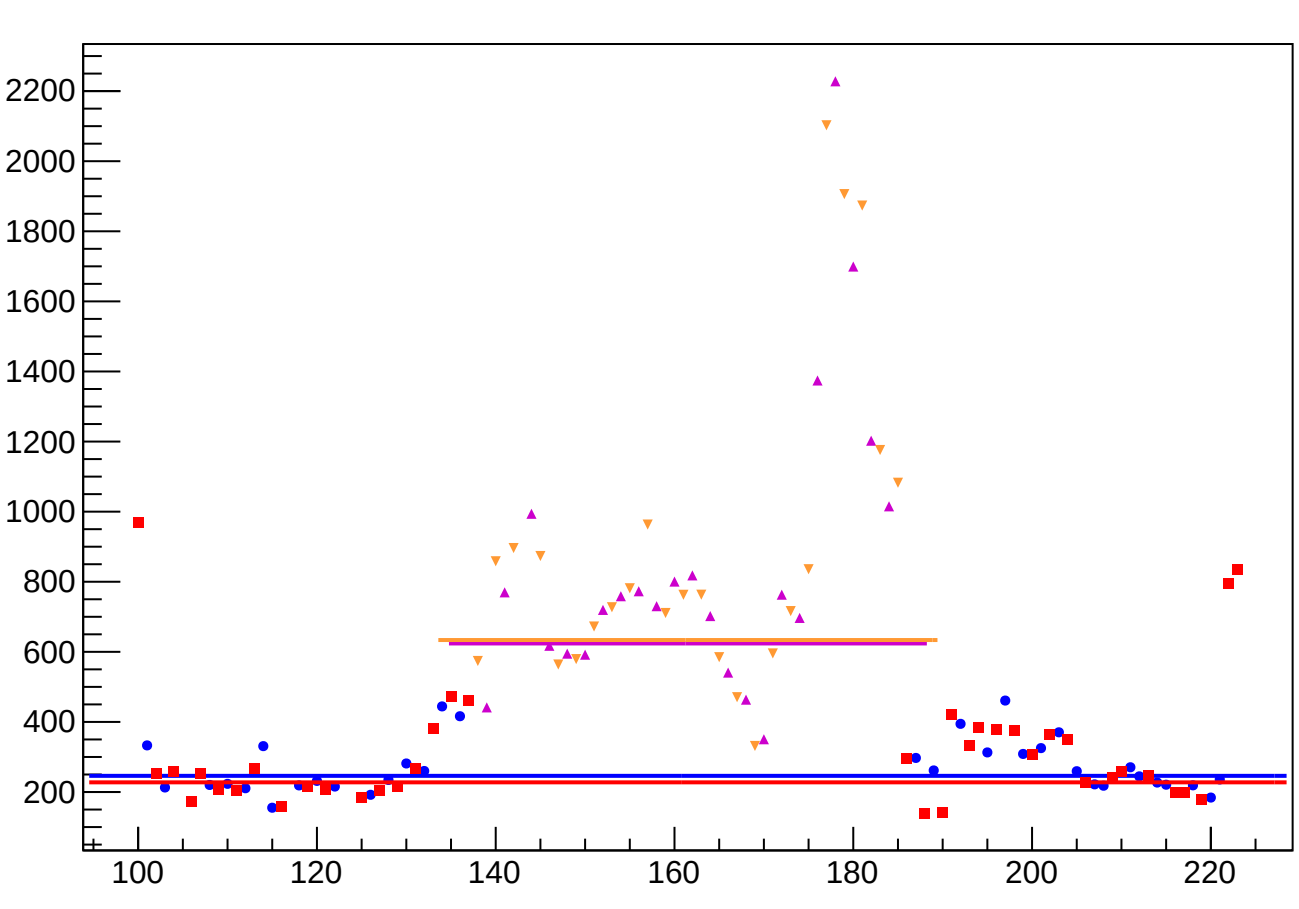
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

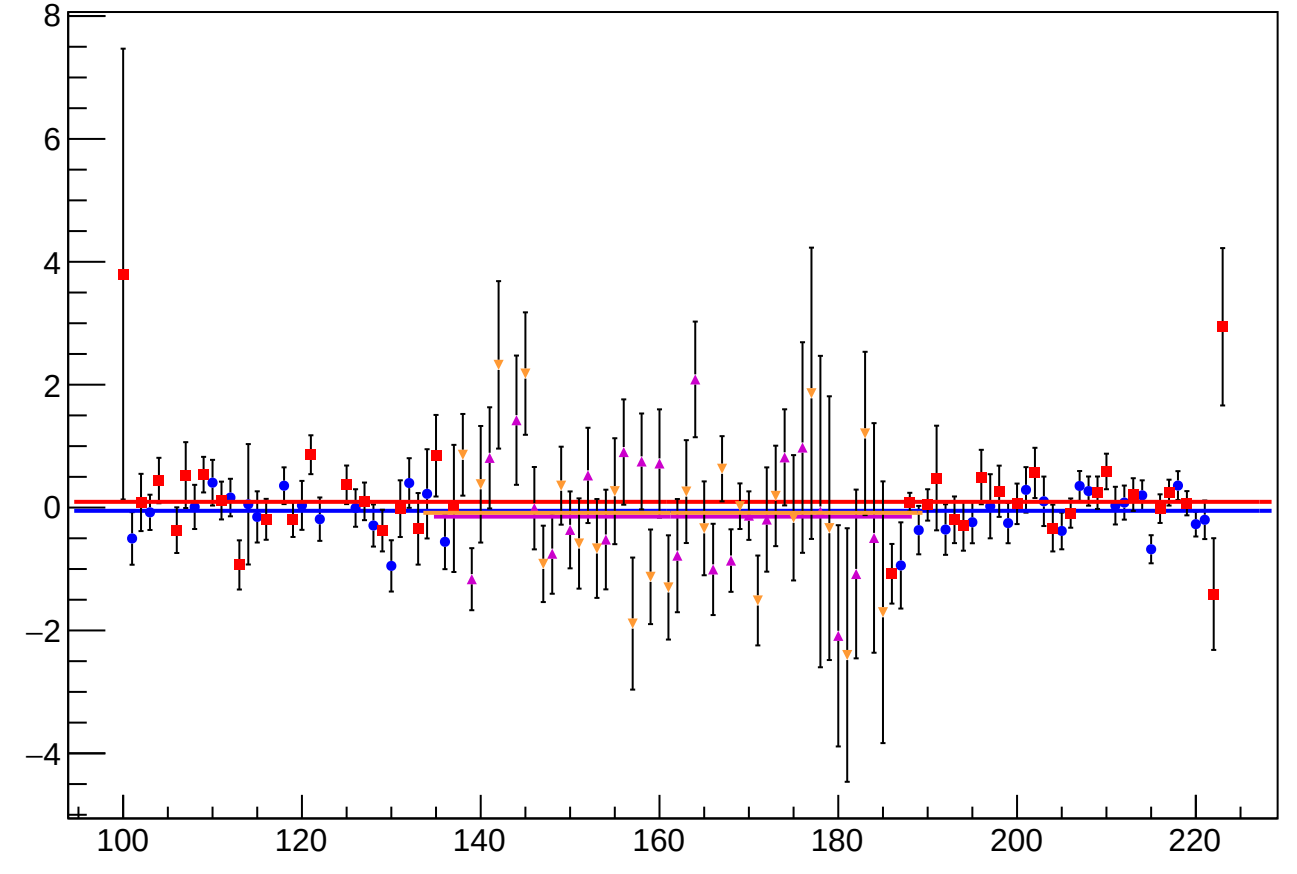
Right: 0.025+/-0.038 χ^2/NDF: 89.2/71

In: -0.063+/-0.053 χ^2/NDF:63.4/56

Out: 0.076+/-0.050 χ^2/NDF:80.3/61

All: 0.010+/-0.036 χ^2/NDF: 147.4/118


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 246.178+/-0.039 χ²/NDF: 2184511.5/33
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 227.606+/-0.037 χ²/NDF: 4864507.2/37
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 236.362+/-0.027 χ²/NDF: 7166172.1/71
In: 287.954+/-0.037 χ²/NDF:16865989.0/56
Out: 266.700+/-0.035 χ²/NDF:21295116.2/61
All: 276.805+/-0.026 χ²/NDF: 38332304.6/11



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

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

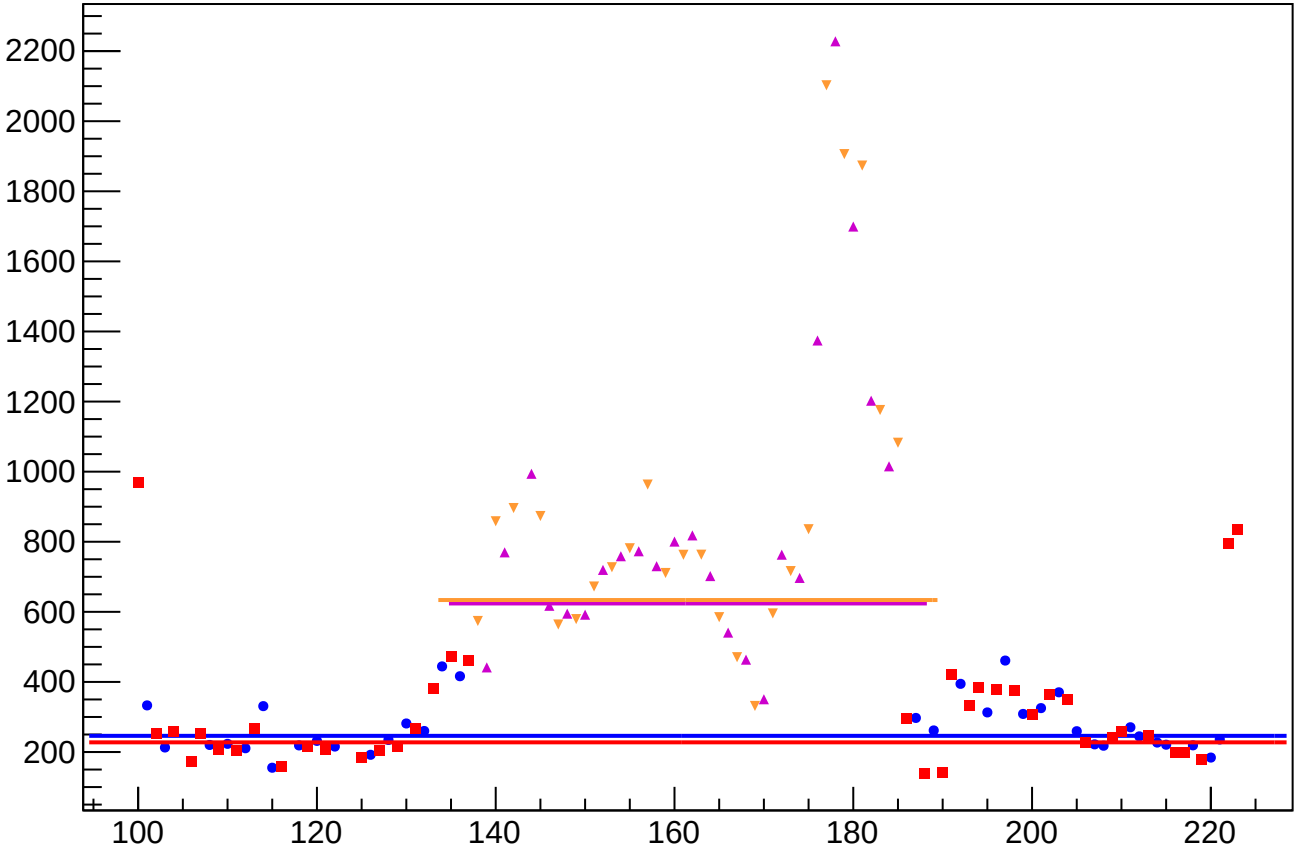
Right: 0.025+/-0.038 χ^2/NDF: 89.2/71

In: -0.063+/-0.053 χ^2/NDF:63.4/56

Out: 0.076+/-0.050 χ^2/NDF:80.3/61

All: 0.010+/-0.036 χ^2/NDF: 147.4/118

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

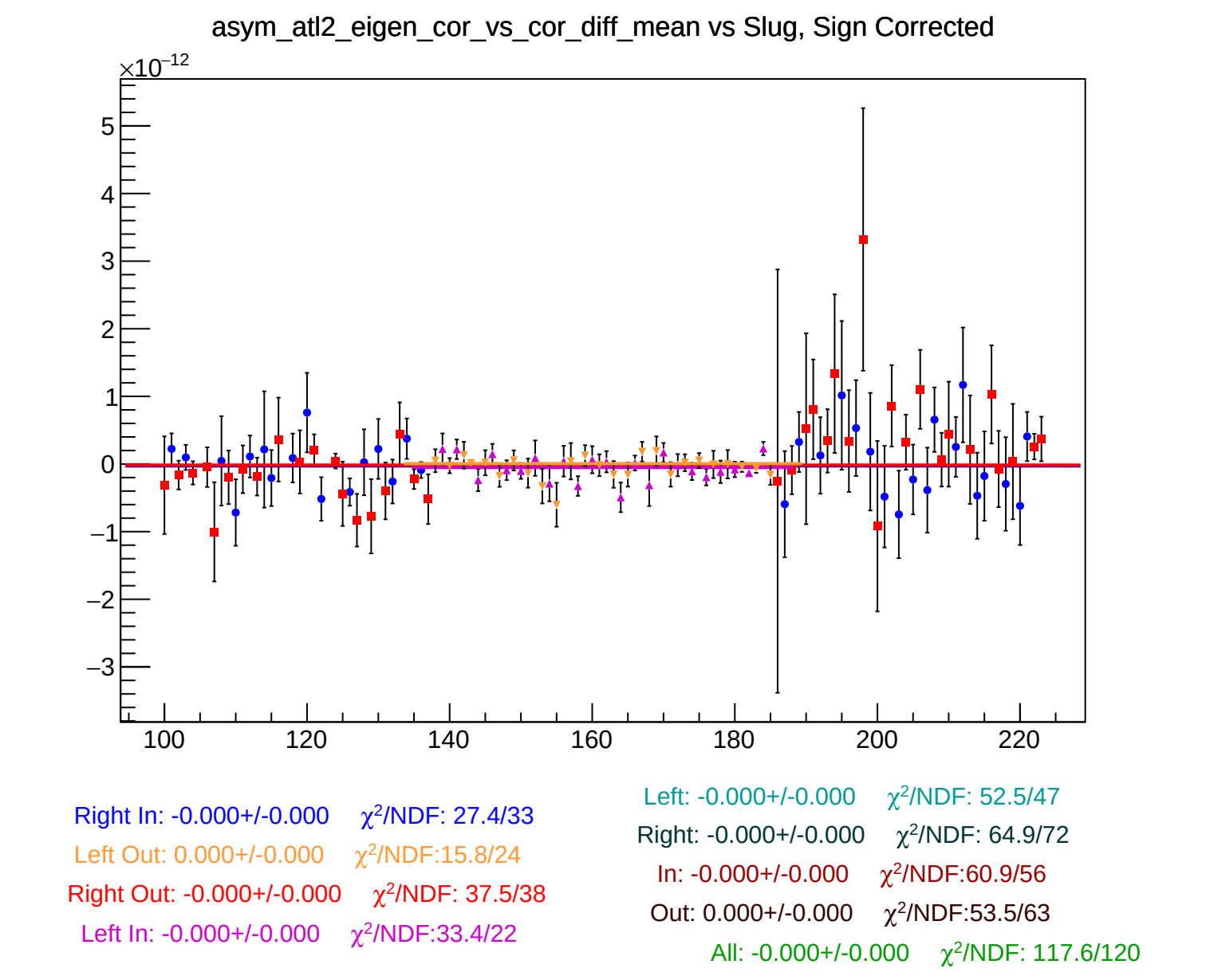
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

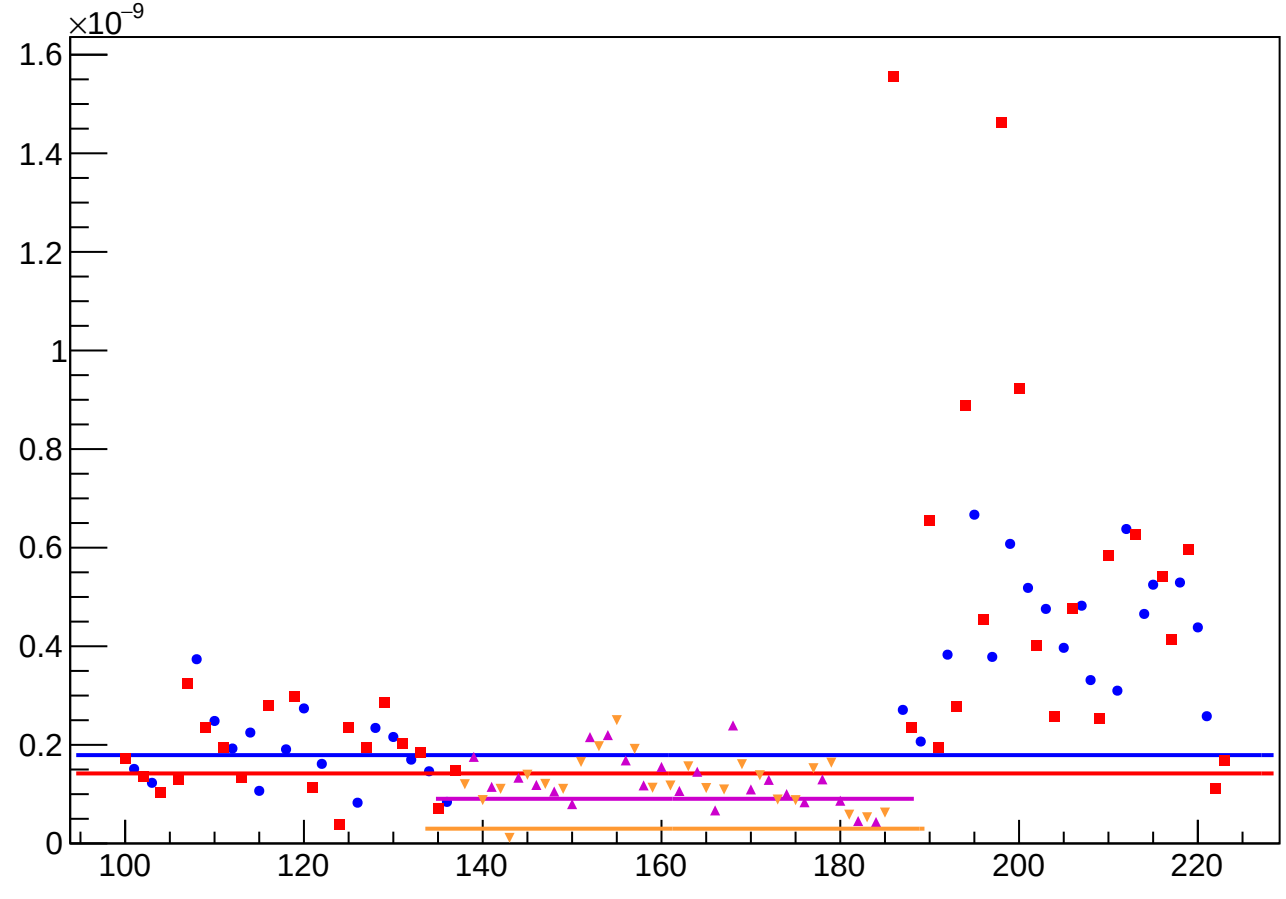
Right: 236.362+/-0.027 χ^2/NDF: 7166172.1/71

In: 287.954+/-0.037 χ^2/NDF:16865989.0/56

Out: 266.700+/-0.035 χ^2/NDF:21295116.2/61

All: 276.805+/-0.026 χ^2/NDF: 38332304.6/11


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.4/33
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 37.5/38
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 64.9/72
In: -0.000+/-0.000 χ²/NDF:60.9/56
Out: 0.000+/-0.000 χ²/NDF:53.5/63
All: -0.000+/-0.000 χ²/NDF: 117.6/120



Right In: 0.000+/-0.000 χ^2/NDF: 8297089.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11632355.9/38

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

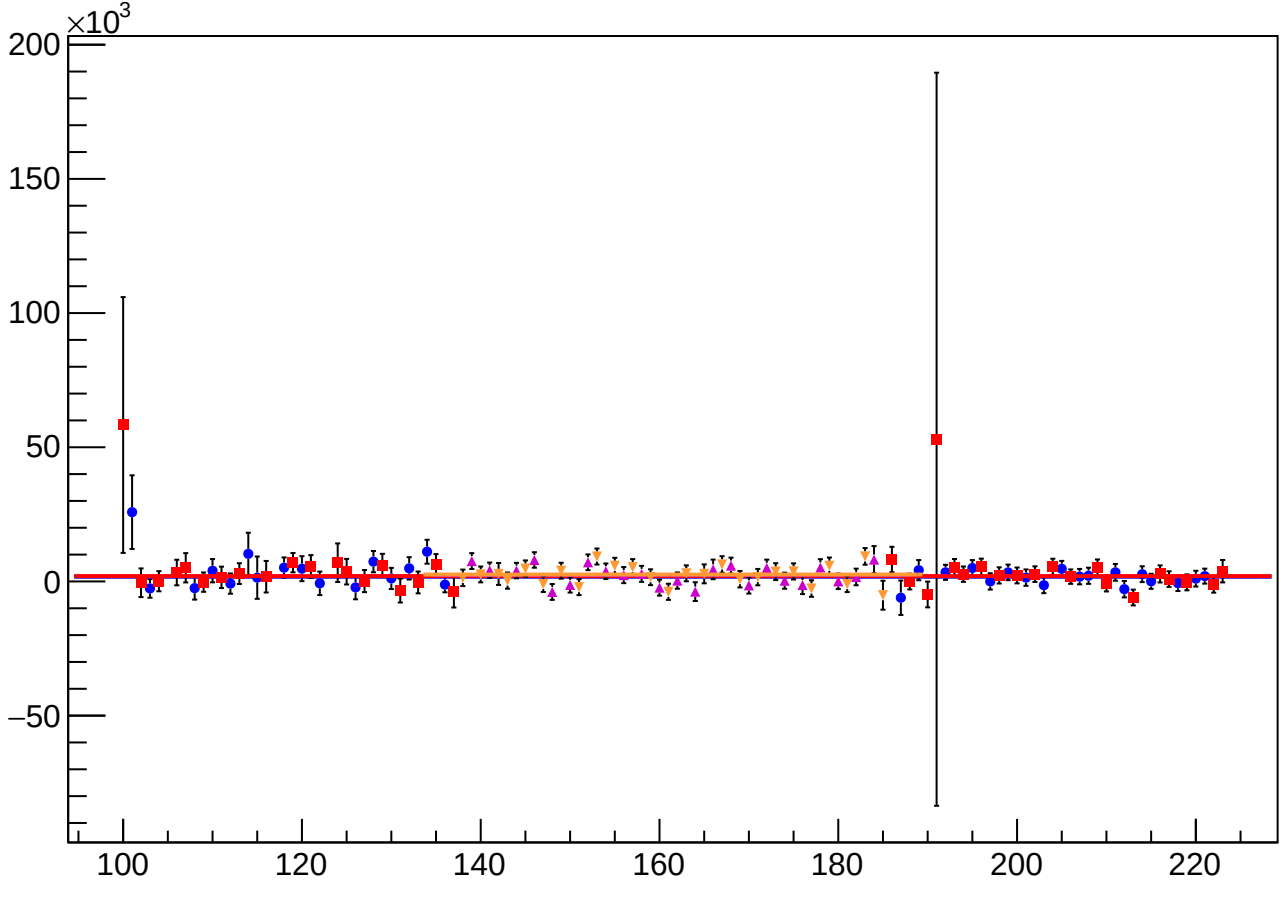
Right: 0.000+/-0.000 χ^2/NDF: 20363079.0/72

In: 0.000+/-0.000 χ^2/NDF:16540080.6/56

Out: 0.000+/-0.000 χ^2/NDF:37594999.3/63

All: 0.000+/-0.000 χ^2/NDF: 65770517.1/120

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

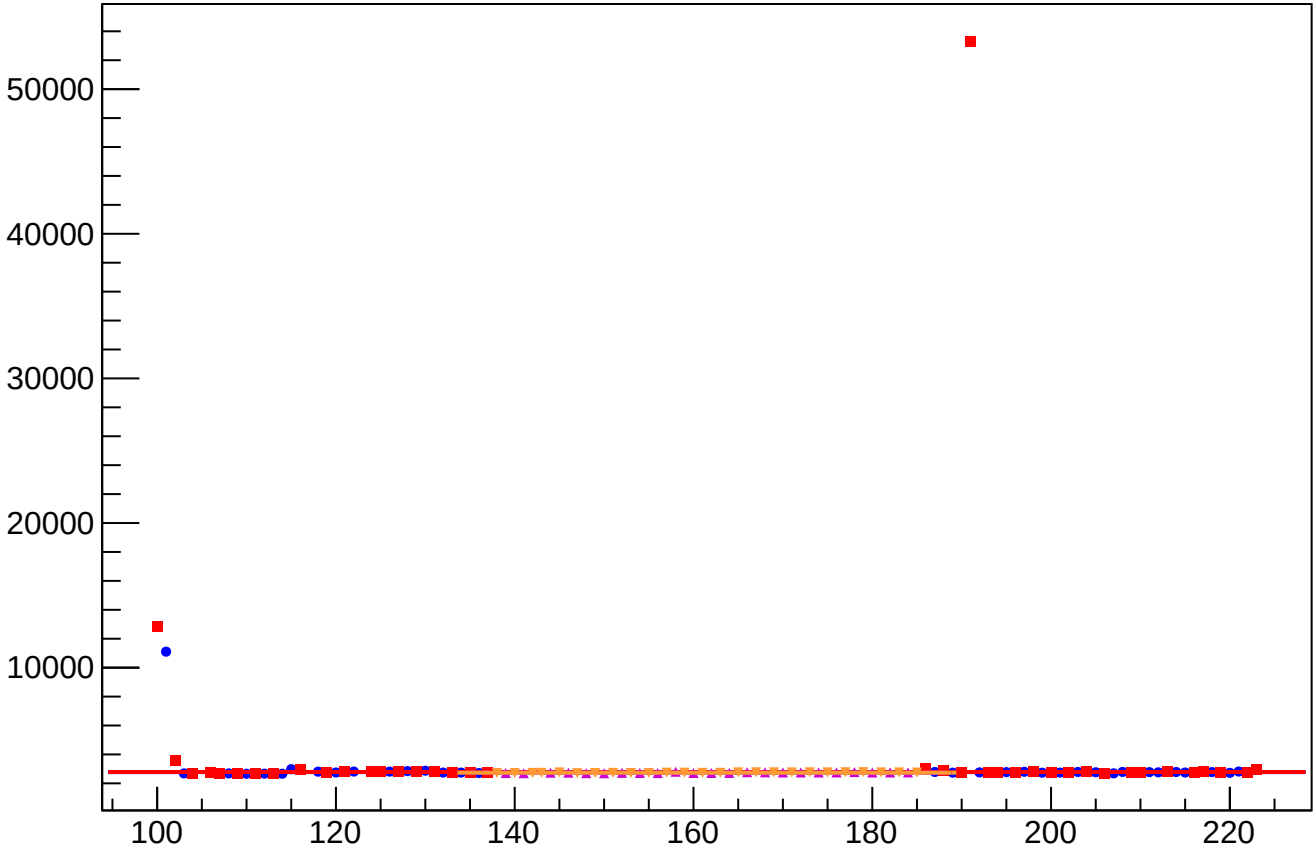
Right: 1878.047+/-418.594 χ^2/NDF: 58.5/72

In: 2065.874+/-436.048 χ^2/NDF:59.8/56

Out: 2254.743+/-427.280 χ^2/NDF:62.6/63

All: 2162.226+/-305.185 χ^2/NDF: 122.4/120

reg_asym_atr1_rms vs Slug, Sign Corrected



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

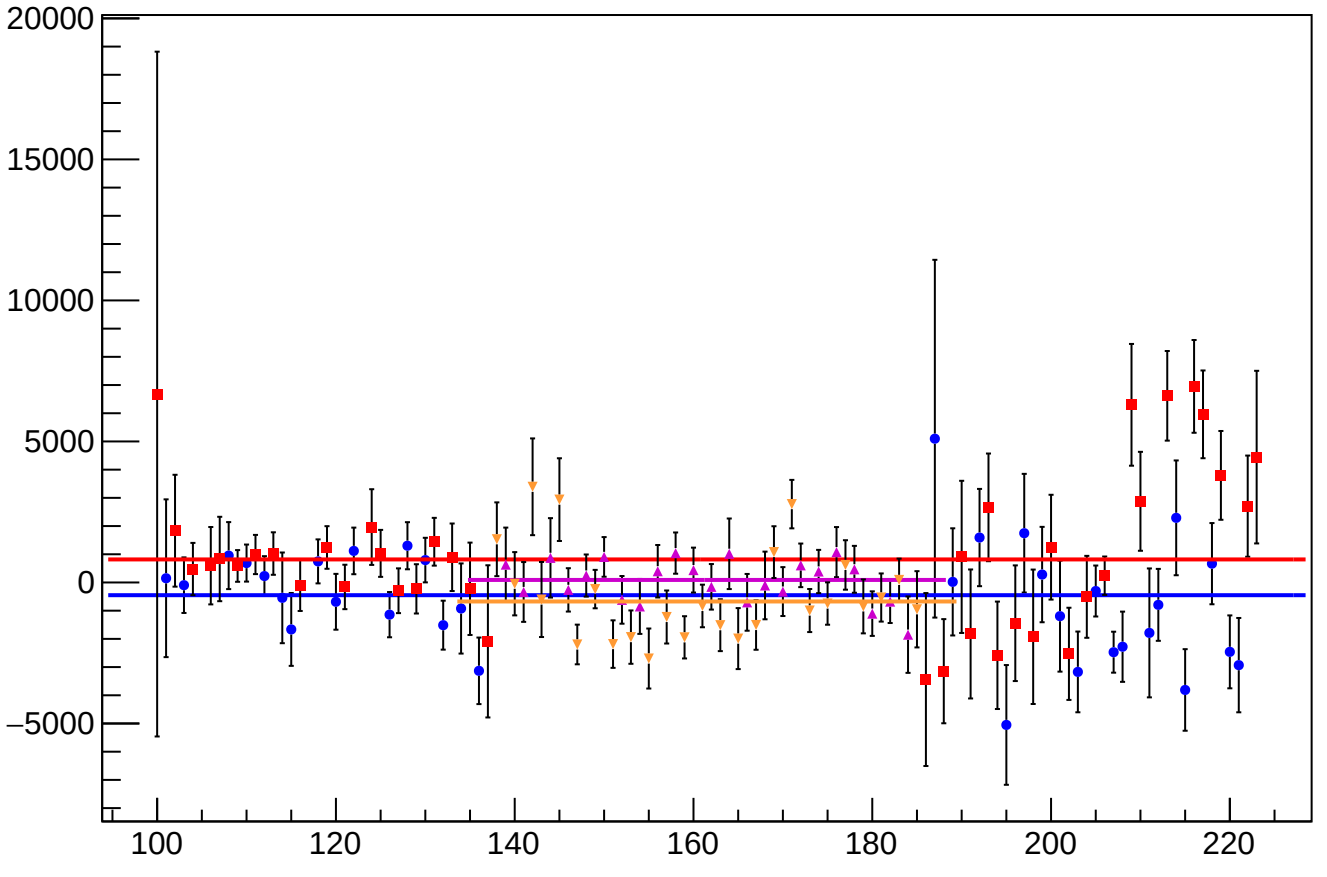
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.016+/-0.296 χ^2/NDF: 1239166.1/72

In: 2759.953+/-0.308 χ^2/NDF:758735.2/56

Out: 2763.386+/-0.302 χ^2/NDF:496112.9/63

All: 2761.704+/-0.216 χ^2/NDF: 1254911.3/12



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

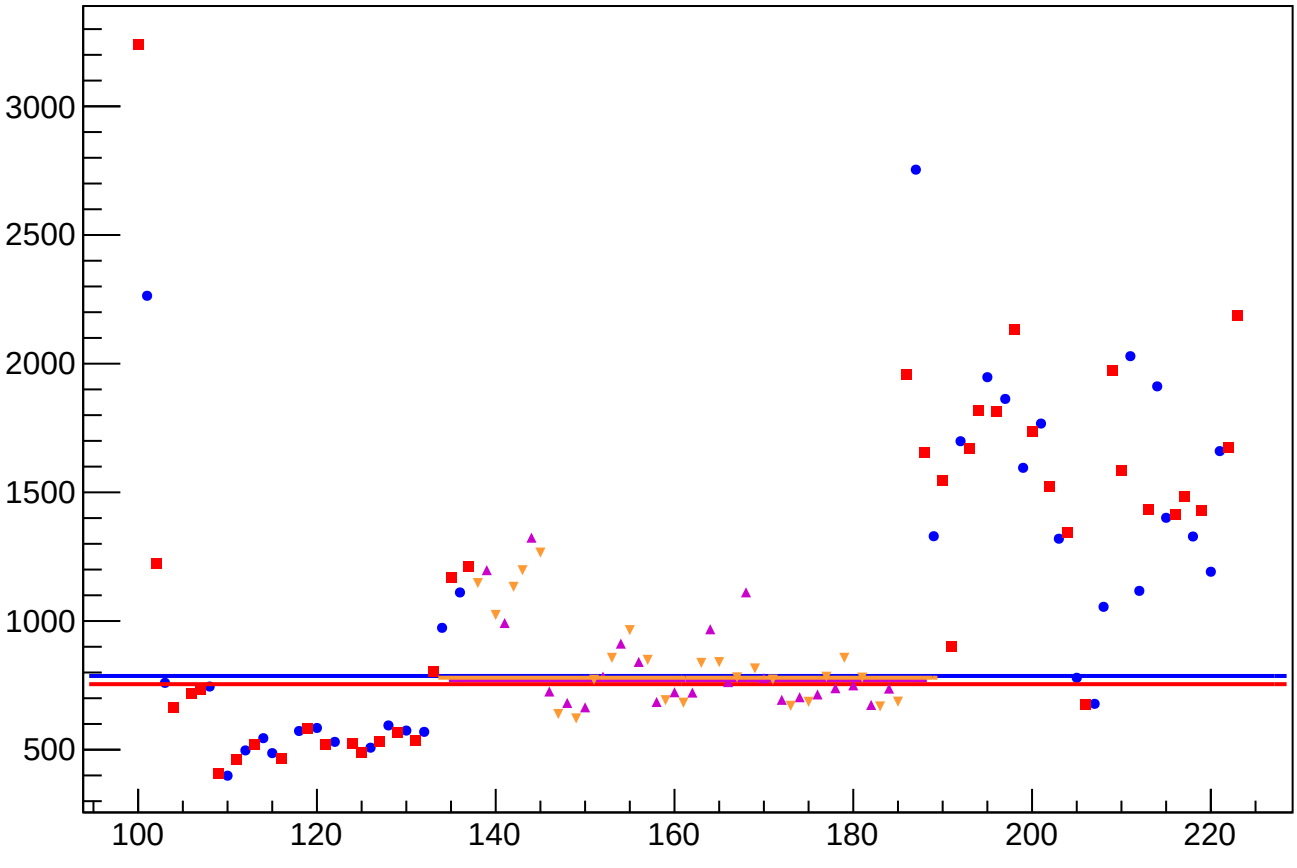
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 202.244+/-133.357 χ^2/NDF: 166.6/72

In: -169.166+/-132.503 χ^2/NDF:80.5/56

Out: 53.092+/-129.728 χ^2/NDF:173.9/63

All: -55.686+/-92.697 χ^2/NDF: 255.8/120



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

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

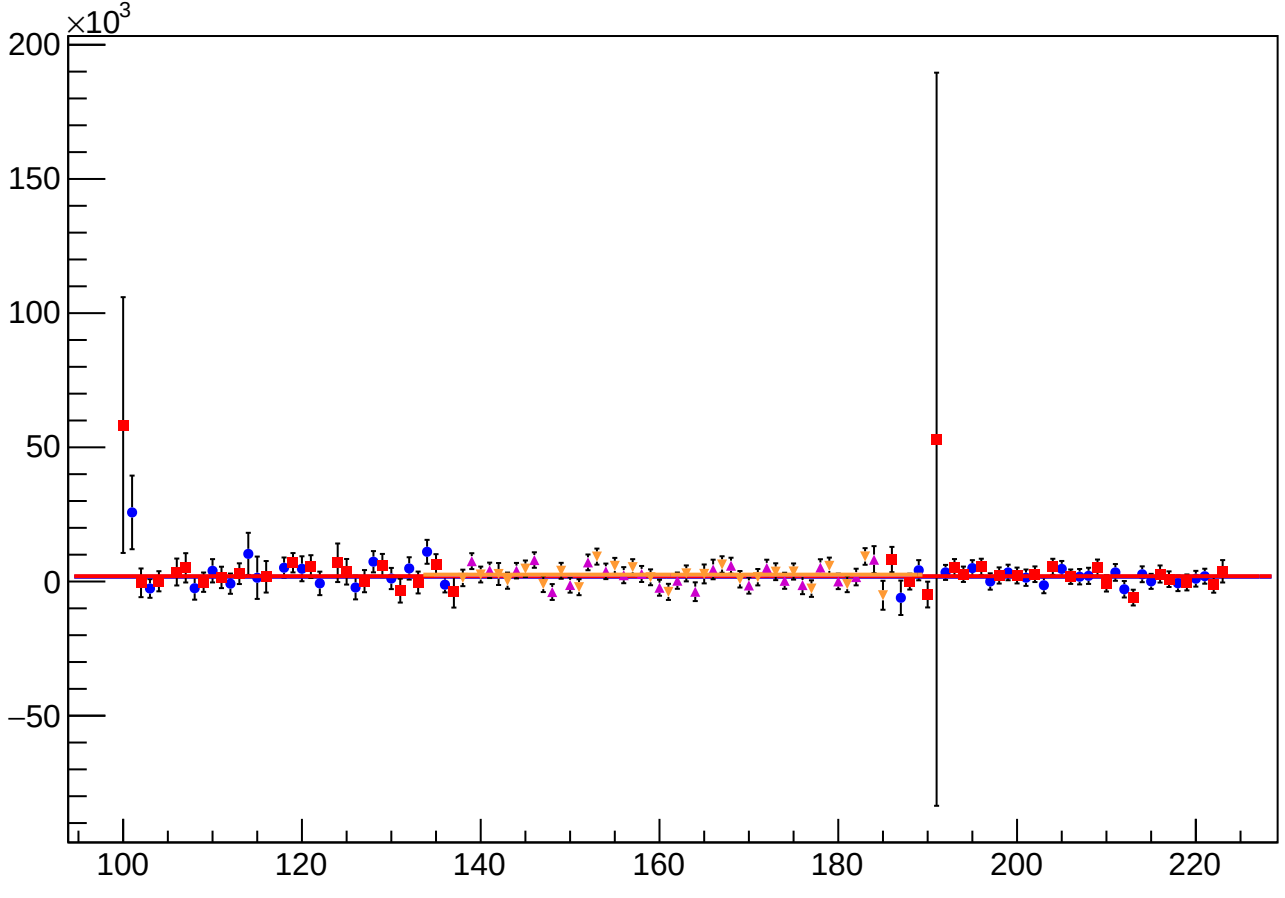
Right: 770.107+/-0.094 χ^2/NDF: 20114849.3/72

In: 778.325+/-0.094 χ^2/NDF:10184597.9/56

Out: 767.497+/-0.092 χ^2/NDF:12247495.9/63

All: 772.796+/-0.066 χ^2/NDF: 22438913.7/12

cor_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

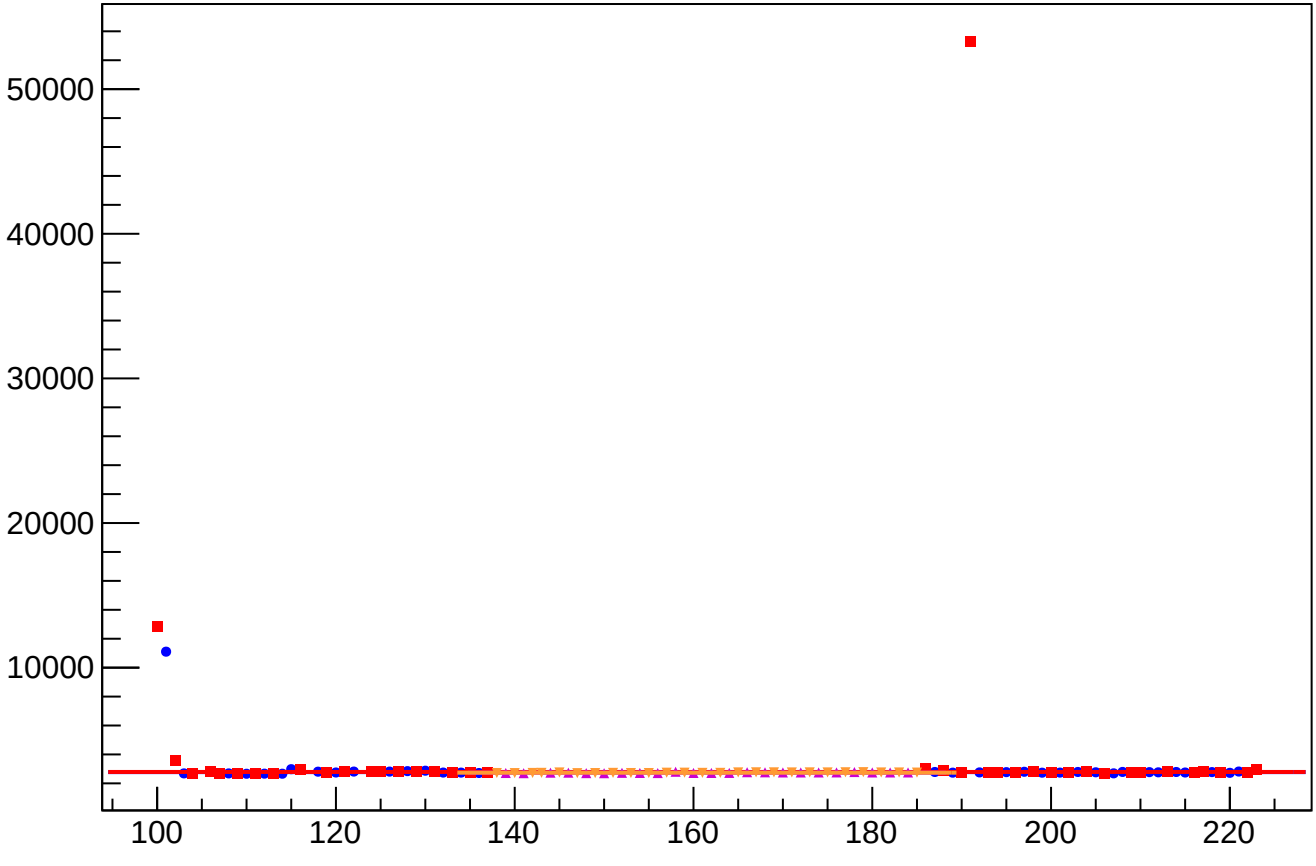
Right: 1878.432+/-418.751 χ^2/NDF: 58.5/72

In: 2065.748+/-436.049 χ^2/NDF:59.8/56

Out: 2255.604+/-427.447 χ^2/NDF:62.6/63

All: 2162.567+/-305.246 χ^2/NDF: 122.5/120

cor_asym_atr1_rms vs Slug, Sign Corrected



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

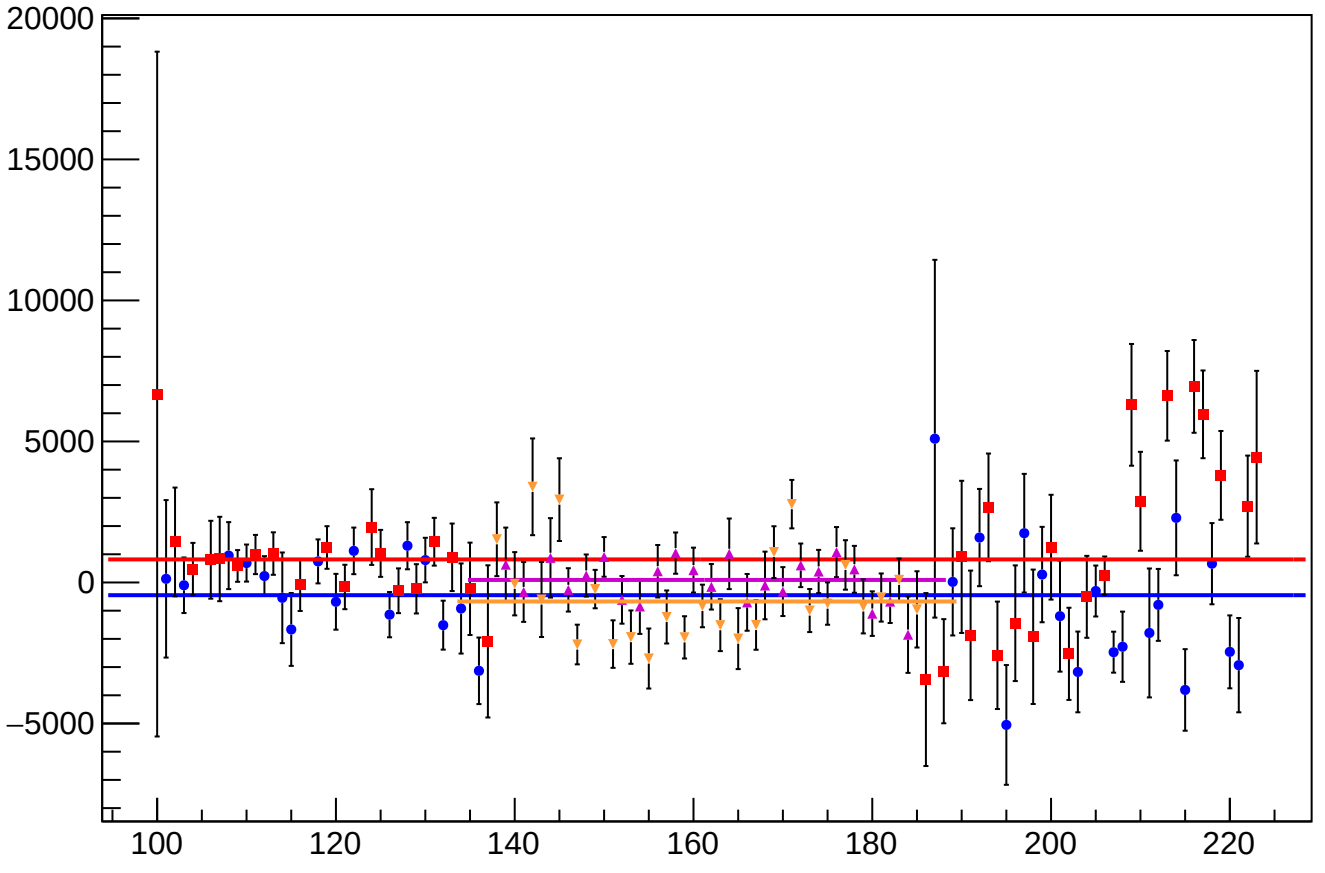
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.879+/-0.296 χ^2/NDF: 1239090.0/72

In: 2759.953+/-0.308 χ^2/NDF:758734.3/56

Out: 2764.271+/-0.302 χ^2/NDF:496401.7/63

All: 2762.155+/-0.216 χ^2/NDF: 1255236.0/12



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

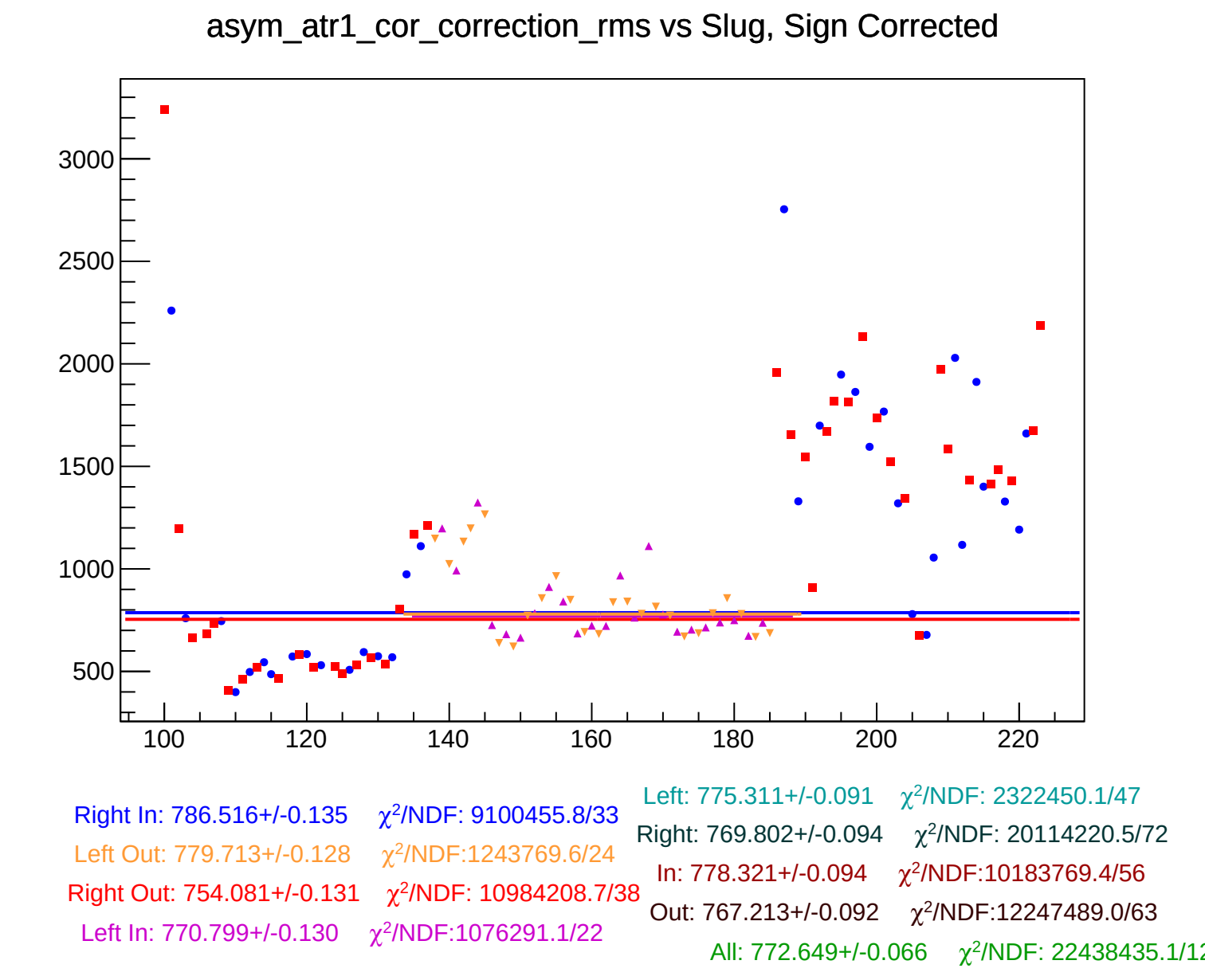
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

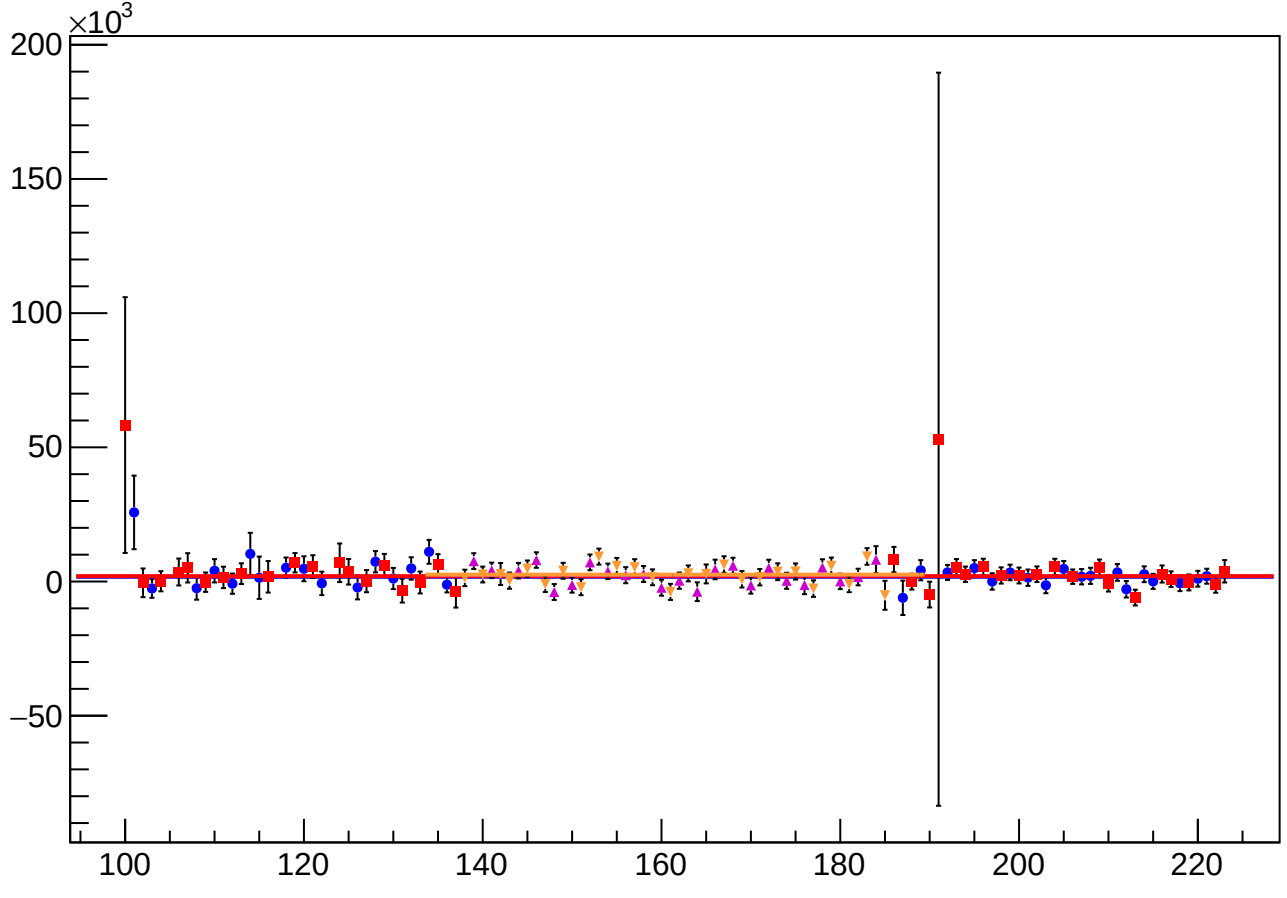
Right: 202.624+/-133.346 χ^2/NDF: 166.5/72

In: -169.107+/-132.501 χ^2/NDF:80.5/56

Out: 53.528+/-129.719 χ^2/NDF:173.8/63

All: -55.428+/-92.693 χ^2/NDF: 255.7/120


asym_atr1_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 786.516+/-0.135 χ²/NDF: 9100455.8/33
Left Out: 779.713+/-0.128 χ²/NDF:1243769.6/24
Right Out: 754.081+/-0.131 χ²/NDF: 10984208.7/38
Left In: 770.799+/-0.130 χ²/NDF:1076291.1/22
Left: 775.311+/-0.091 χ²/NDF: 2322450.1/47
Right: 769.802+/-0.094 χ²/NDF: 20114220.5/72
In: 778.321+/-0.094 χ²/NDF:10183769.4/56
Out: 767.213+/-0.092 χ²/NDF:12247489.0/63
All: 772.649+/-0.066 χ²/NDF: 22438435.1/12



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

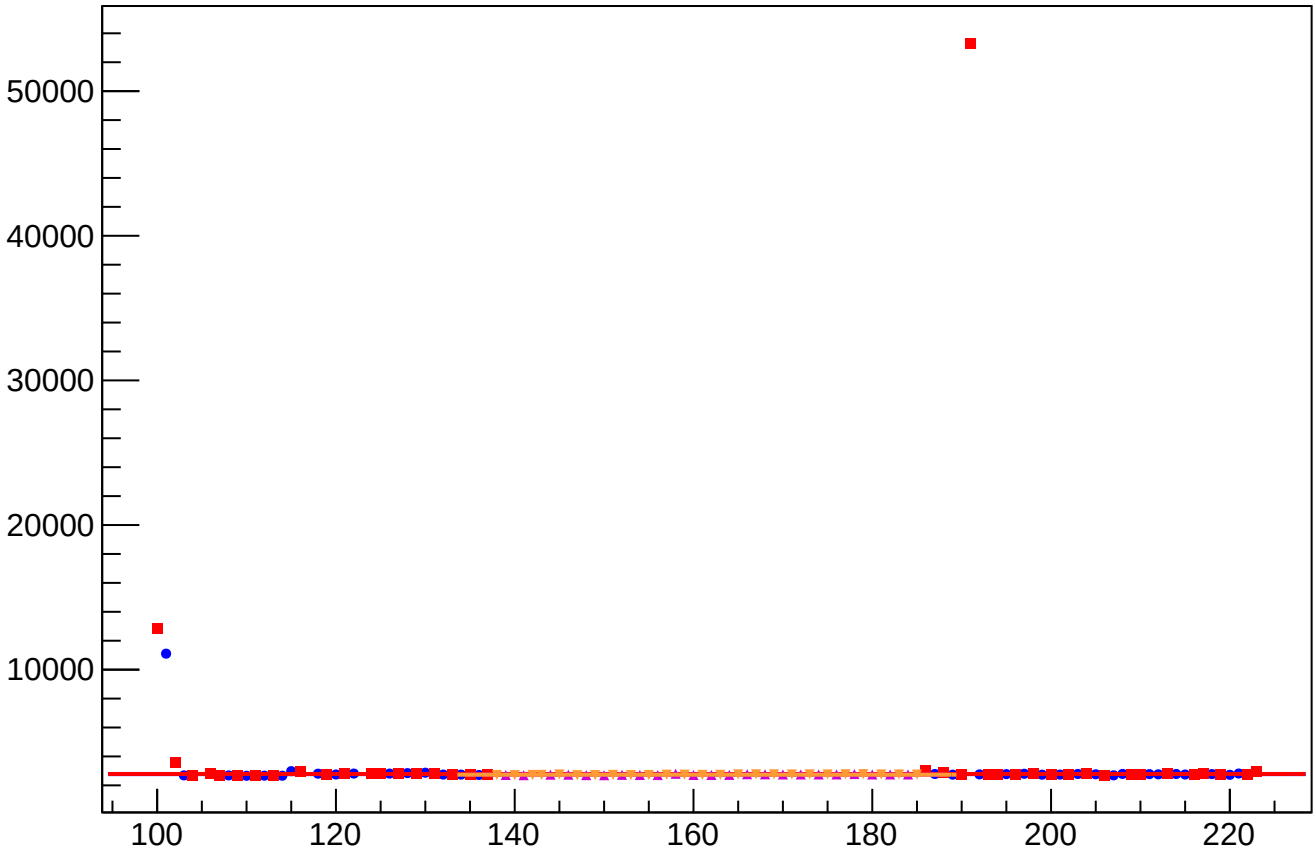
Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

Right: 1878.432+/-418.751 χ^2/NDF: 58.5/72

In: 2065.748+/-436.049 χ^2/NDF:59.8/56

Out: 2255.604+/-427.447 χ^2/NDF:62.6/63

All: 2162.567+/-305.246 χ^2/NDF: 122.5/120



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

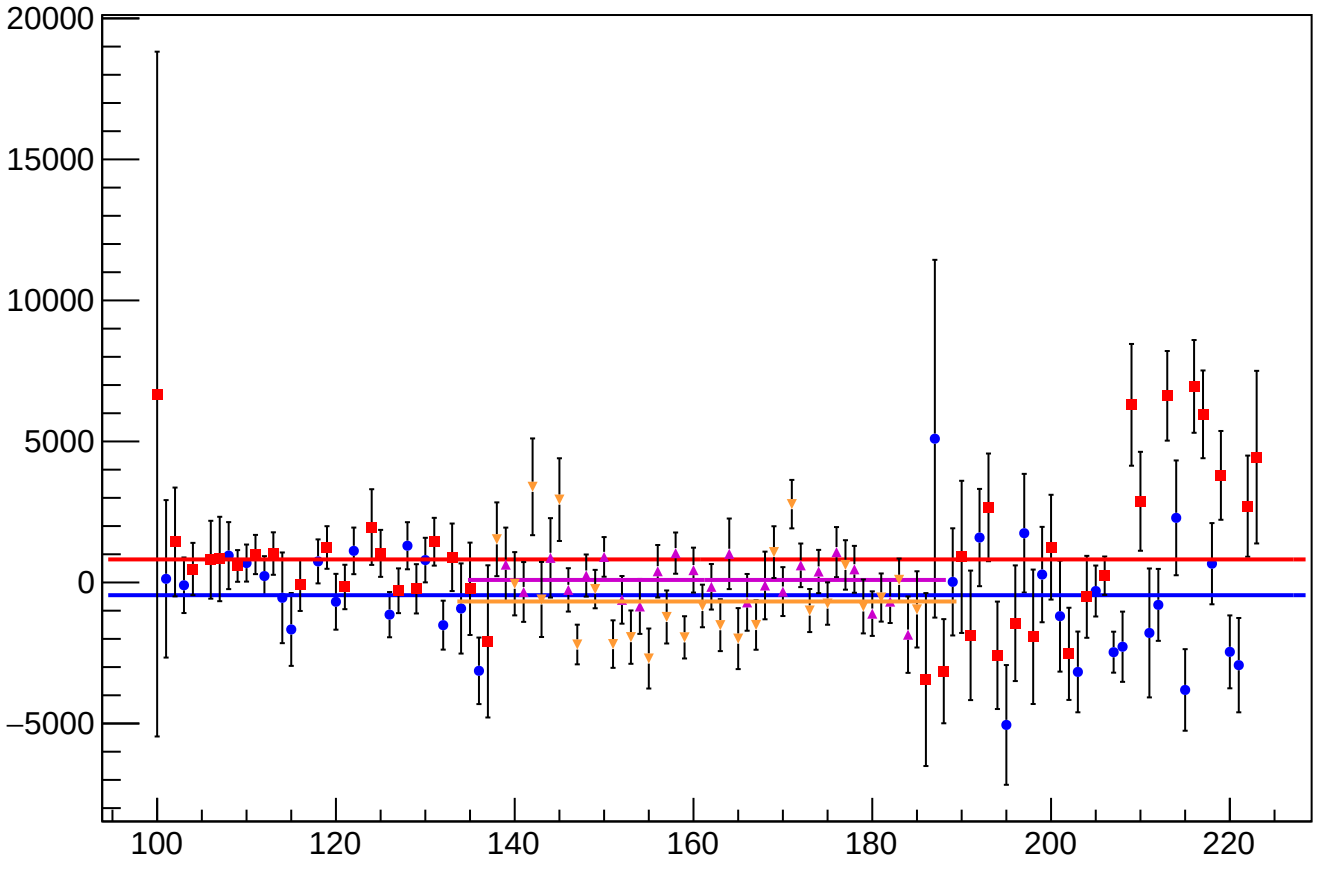
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.879+/-0.296 χ^2/NDF: 1239090.0/72

In: 2759.953+/-0.308 χ^2/NDF:758734.3/56

Out: 2764.271+/-0.302 χ^2/NDF:496401.7/63

All: 2762.155+/-0.216 χ^2/NDF: 1255236.0/12



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

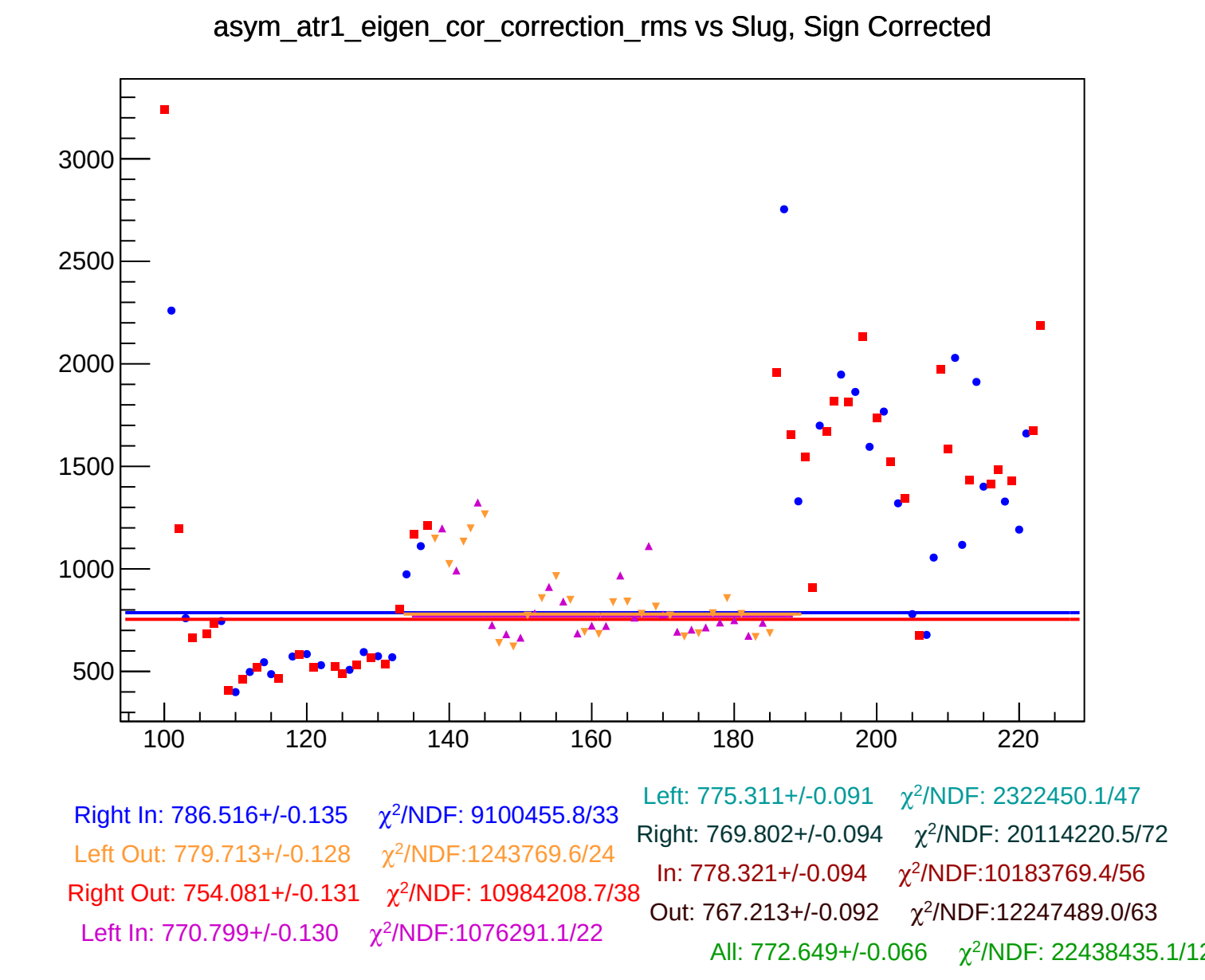
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 202.624+/-133.346 χ^2/NDF: 166.5/72

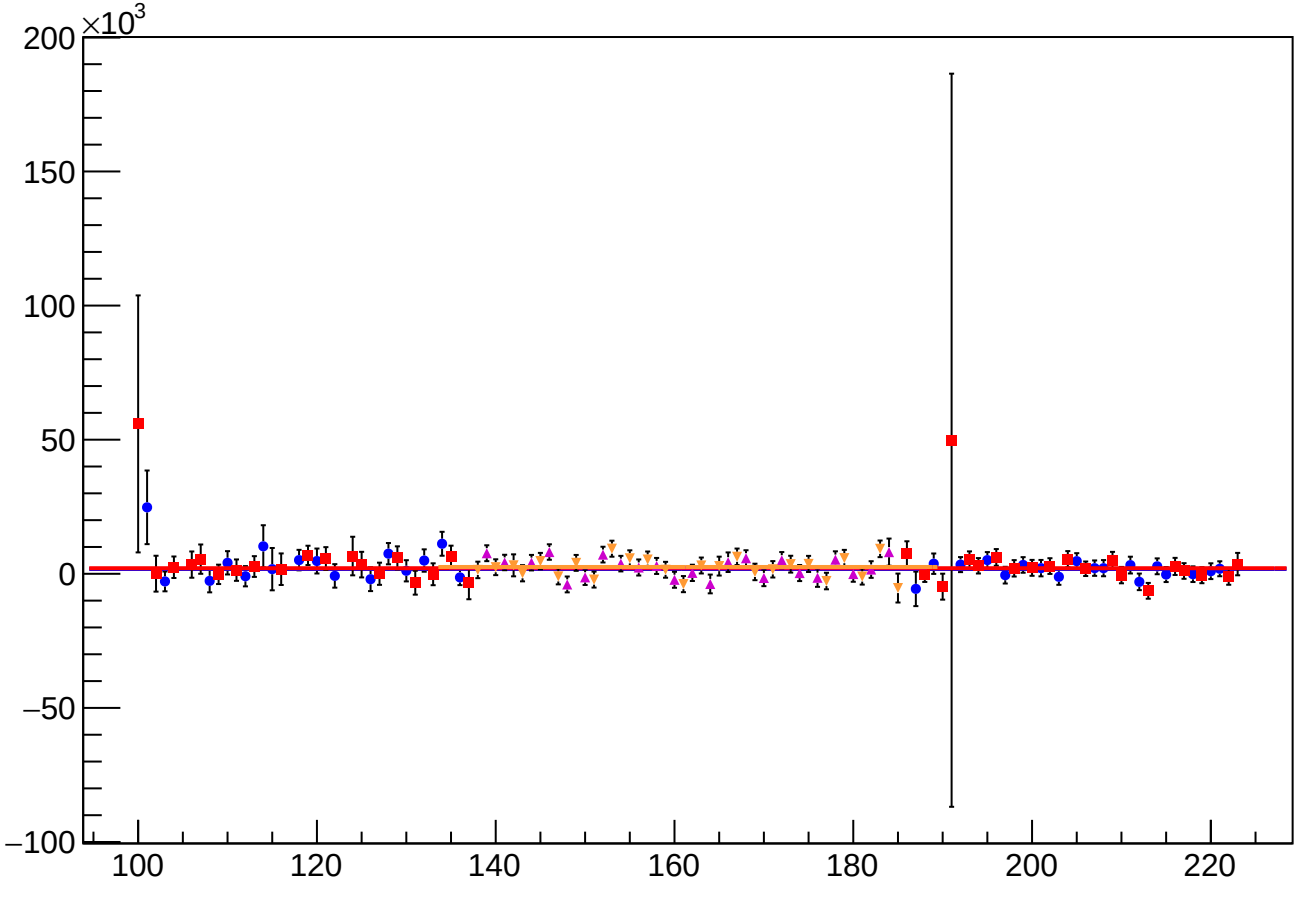
In: -169.107+/-132.501 χ^2/NDF:80.5/56

Out: 53.528+/-129.719 χ^2/NDF:173.8/63

All: -55.428+/-92.693 χ^2/NDF: 255.7/120


asym_atr1_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 786.516+/-0.135 χ²/NDF: 9100455.8/33
Left Out: 779.713+/-0.128 χ²/NDF:1243769.6/24
Right Out: 754.081+/-0.131 χ²/NDF: 10984208.7/38
Left In: 770.799+/-0.130 χ²/NDF:1076291.1/22
Left: 775.311+/-0.091 χ²/NDF: 2322450.1/47
Right: 769.802+/-0.094 χ²/NDF: 20114220.5/72
In: 778.321+/-0.094 χ²/NDF:10183769.4/56
Out: 767.213+/-0.092 χ²/NDF:12247489.0/63
All: 772.649+/-0.066 χ²/NDF: 22438435.1/12

dit_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

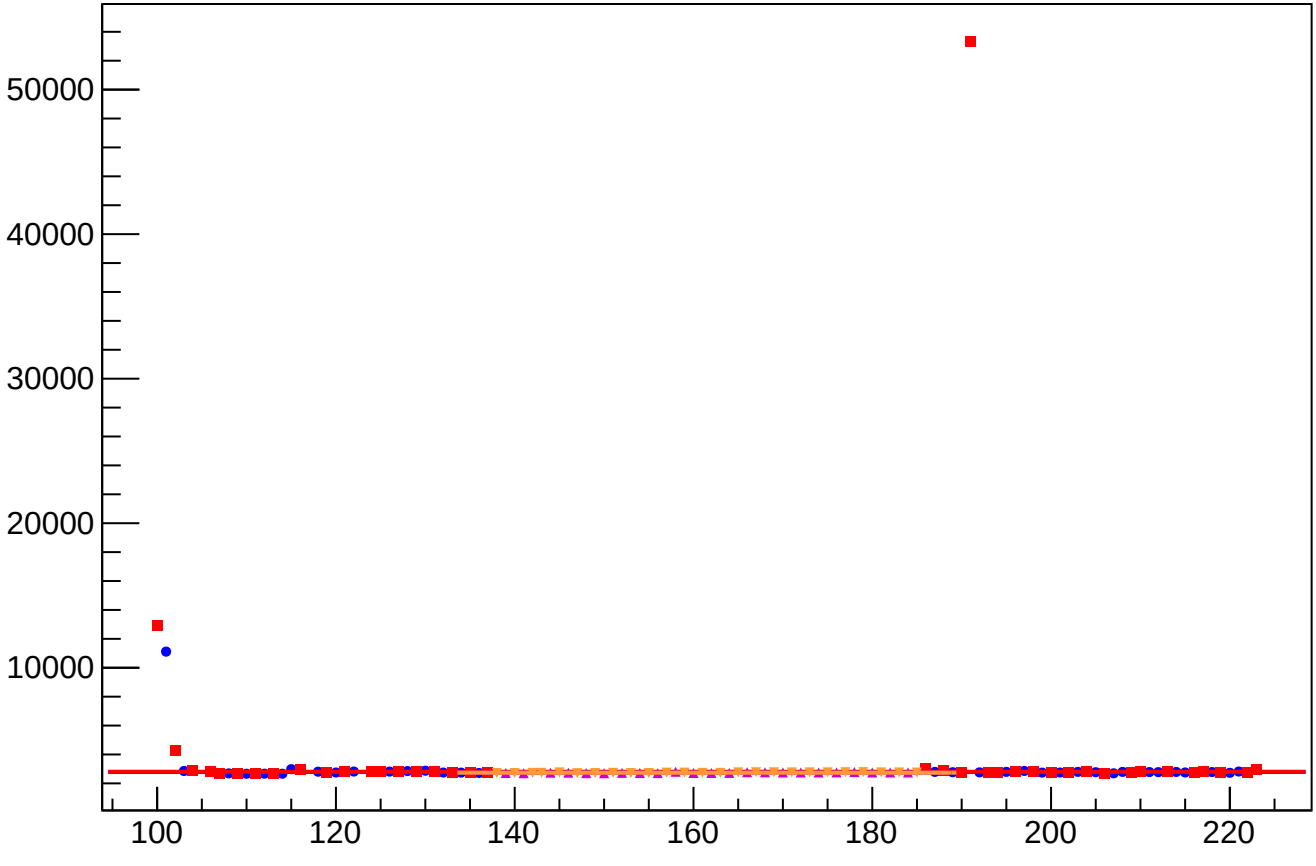
Right: 1939.315+/-421.080 χ^2/NDF: 58.2/72

In: 2082.980+/-437.223 χ^2/NDF:60.0/56

Out: 2299.033+/-429.049 χ^2/NDF:62.6/63

All: 2193.045+/-306.233 χ^2/NDF: 122.8/120

dit_asym_atr1_rms vs Slug, Sign Corrected



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

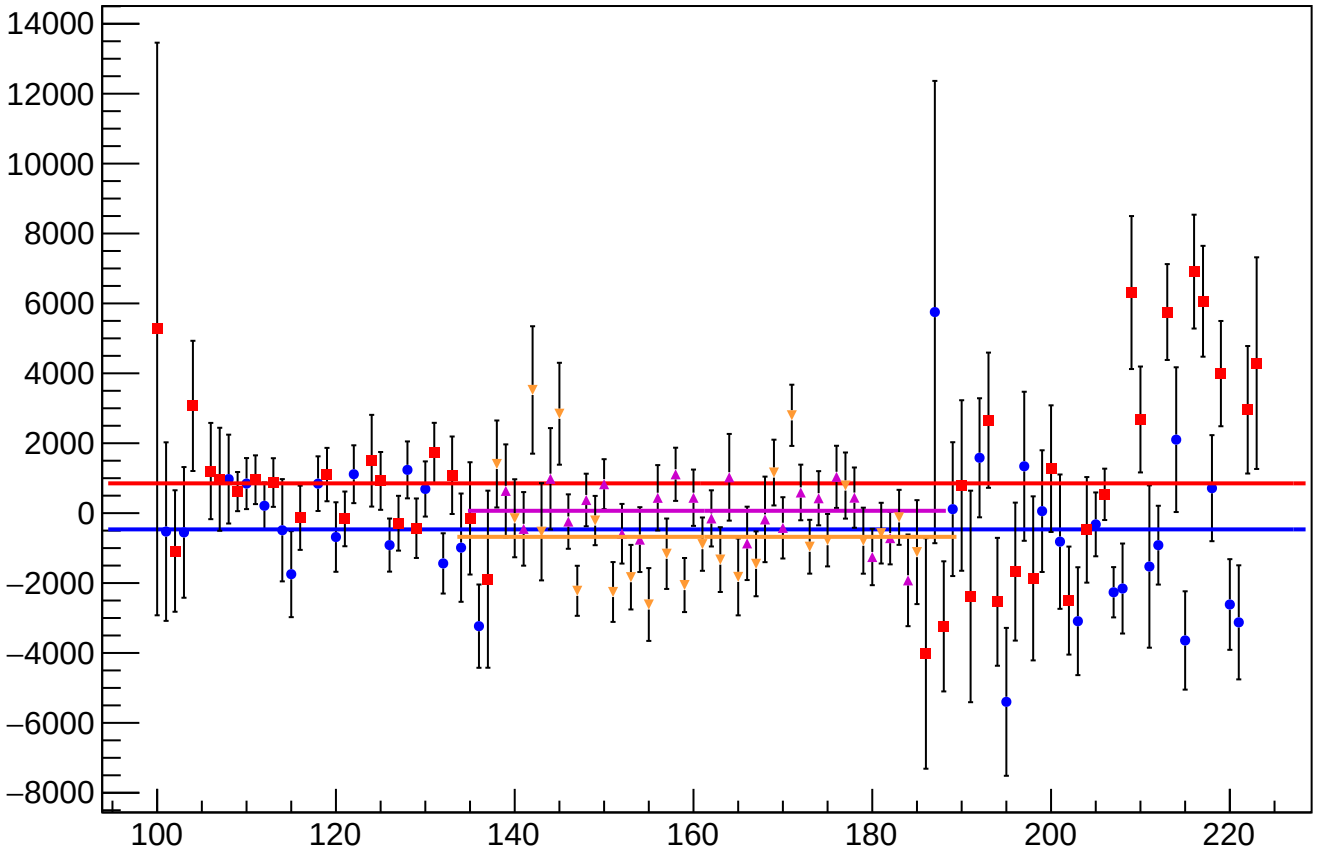
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2796.062+/-0.298 χ^2/NDF: 1292710.8/72

In: 2767.273+/-0.309 χ^2/NDF:761070.5/56

Out: 2772.235+/-0.303 χ^2/NDF:553724.4/63

All: 2769.801+/-0.217 χ^2/NDF: 1314926.1/12



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

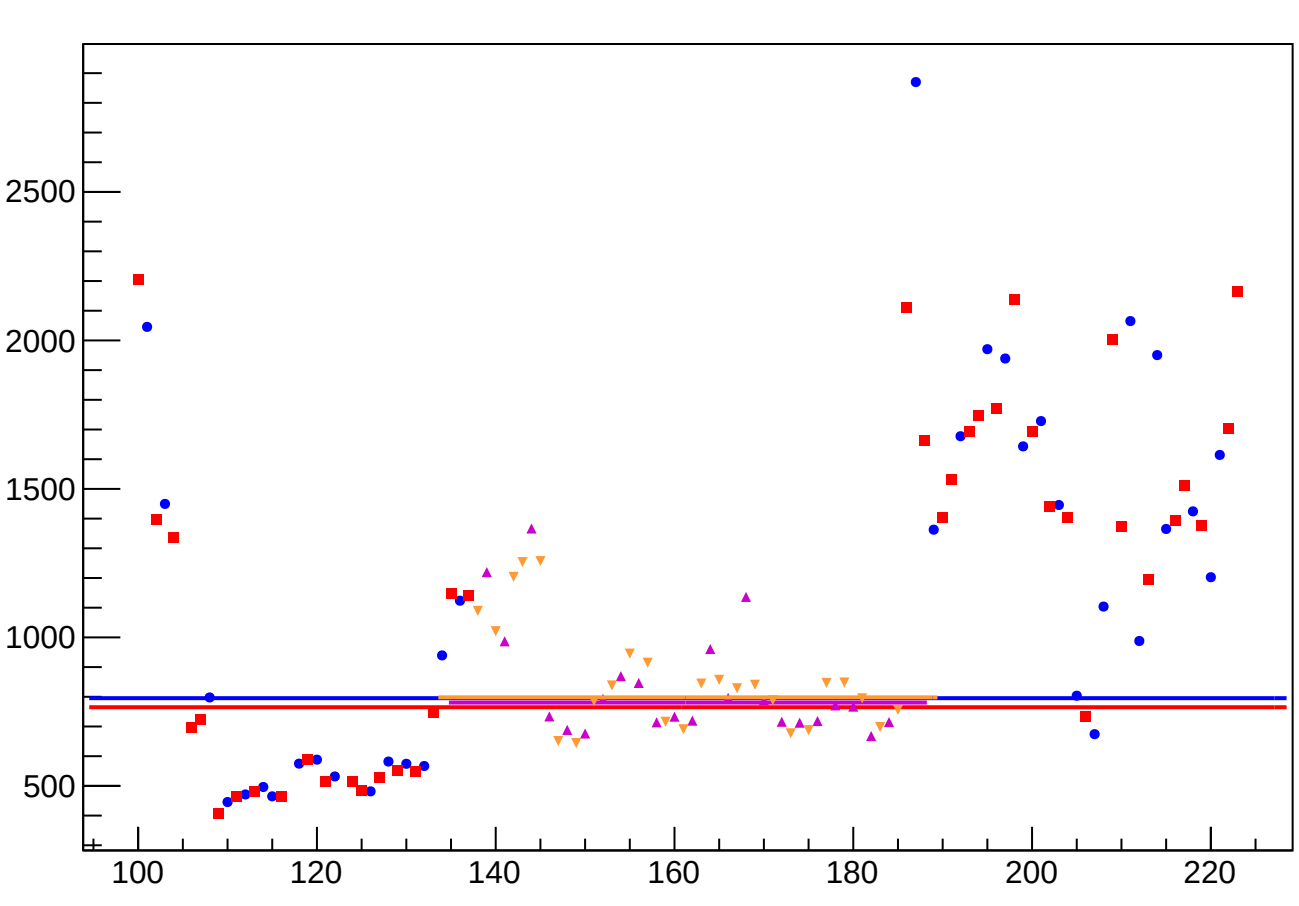
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 217.433+/-134.369 χ^2/NDF: 170.0/72

In: -187.460+/-133.905 χ^2/NDF:79.1/56

Out: 80.030+/-131.404 χ^2/NDF:176.7/63

All: -51.194+/-93.788 χ^2/NDF: 257.9/120



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

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

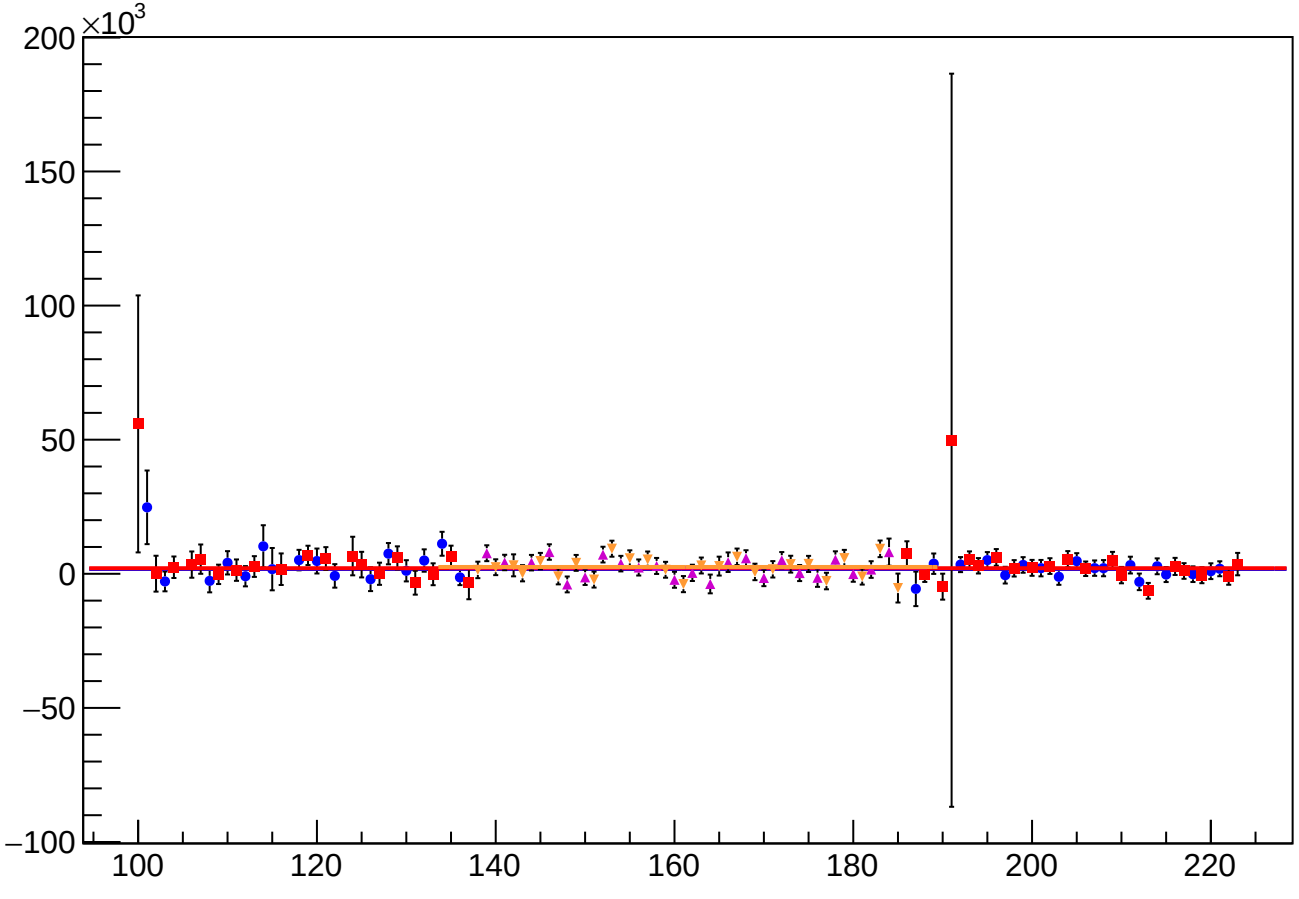
Right: 779.531+/-0.095 χ^2/NDF: 20752672.0/72

In: 787.611+/-0.095 χ^2/NDF:10576177.8/56

Out: 781.613+/-0.093 χ^2/NDF:12422077.1/63

All: 784.556+/-0.066 χ^2/NDF: 23000298.7/12

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

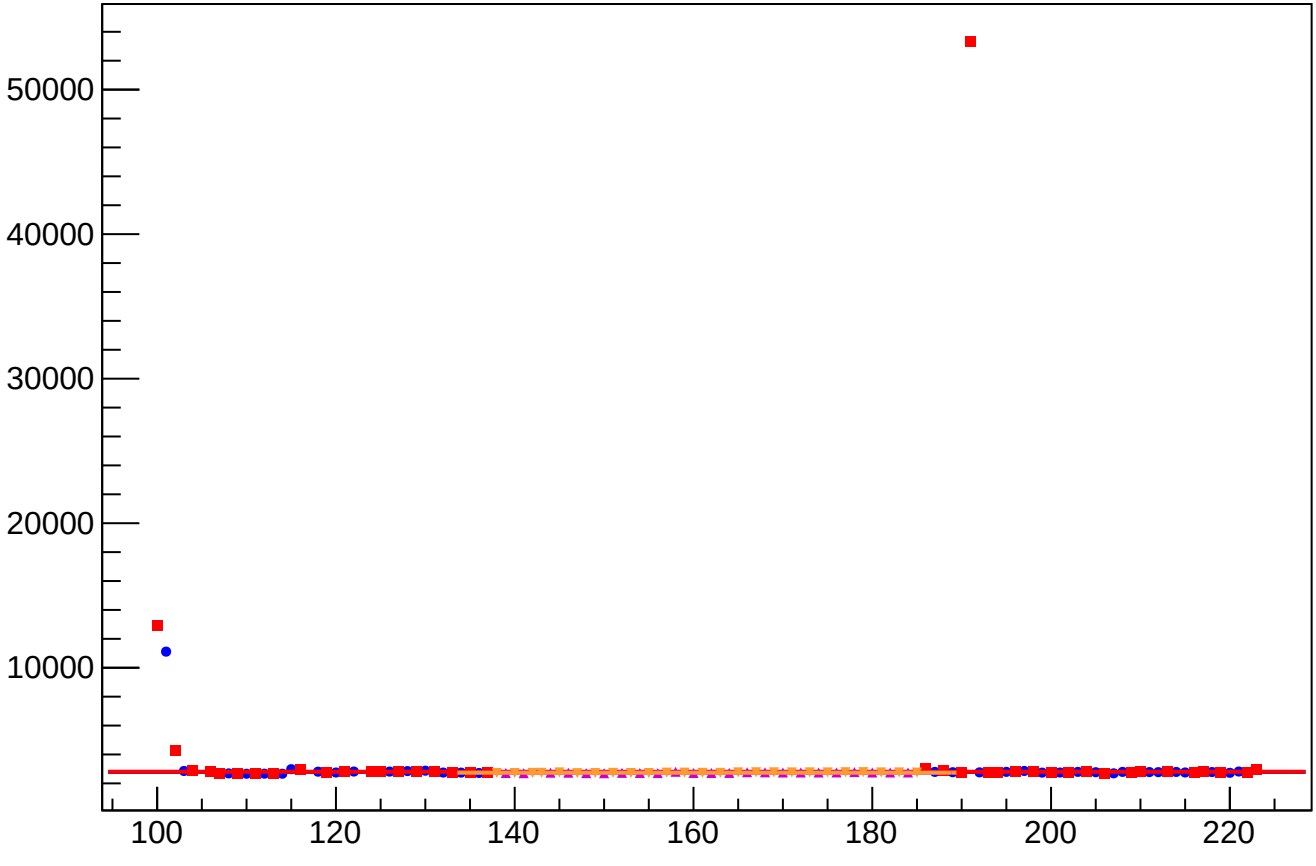
Right: 1939.314+/-421.080 χ^2/NDF: 58.2/72

In: 2082.981+/-437.223 χ^2/NDF:60.0/56

Out: 2299.031+/-429.049 χ^2/NDF:62.6/63

All: 2193.045+/-306.233 χ^2/NDF: 122.8/120

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



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

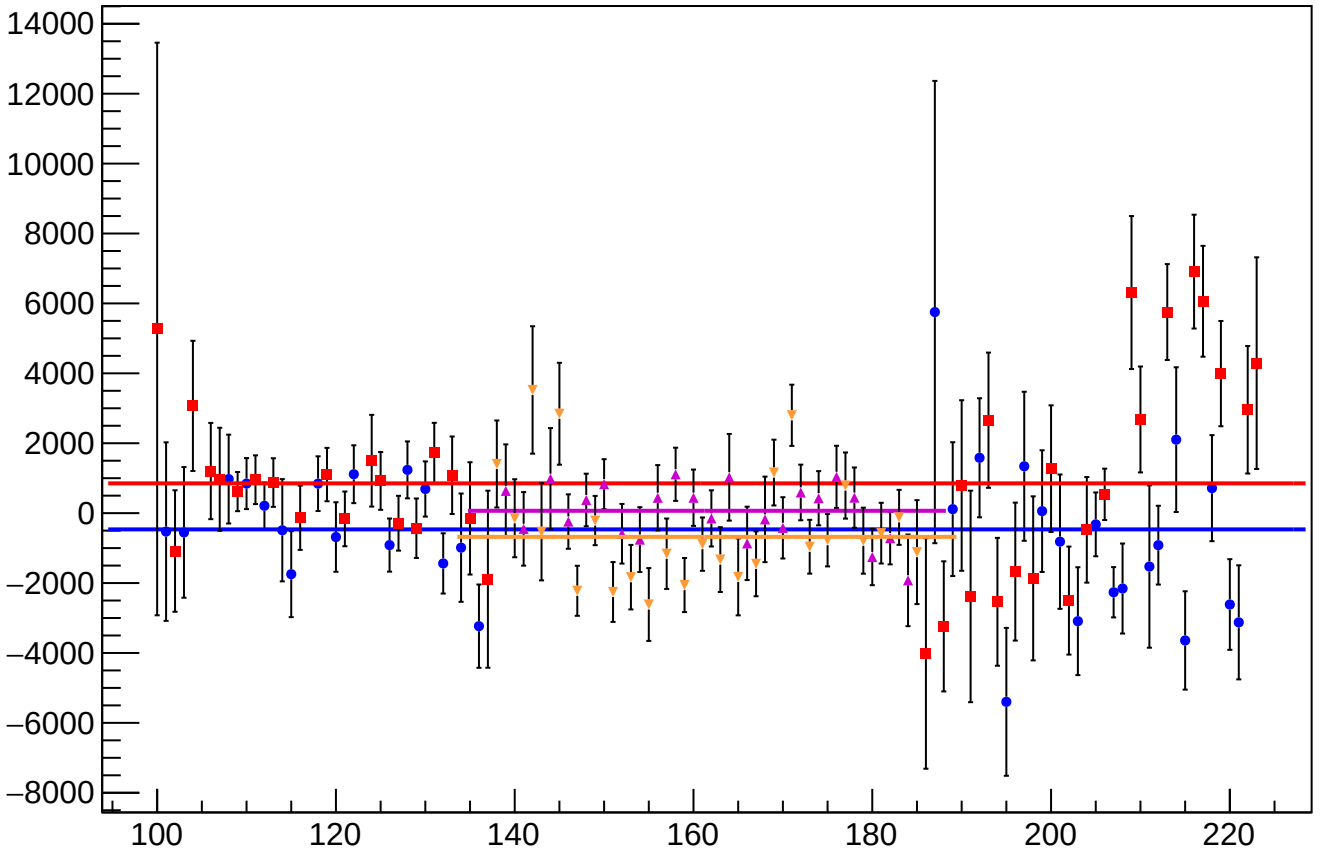
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2796.062+/-0.298 χ^2/NDF: 1292710.6/72

In: 2767.273+/-0.309 χ^2/NDF:761070.4/56

Out: 2772.235+/-0.303 χ^2/NDF:553724.2/63

All: 2769.801+/-0.217 χ^2/NDF: 1314925.8/12



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

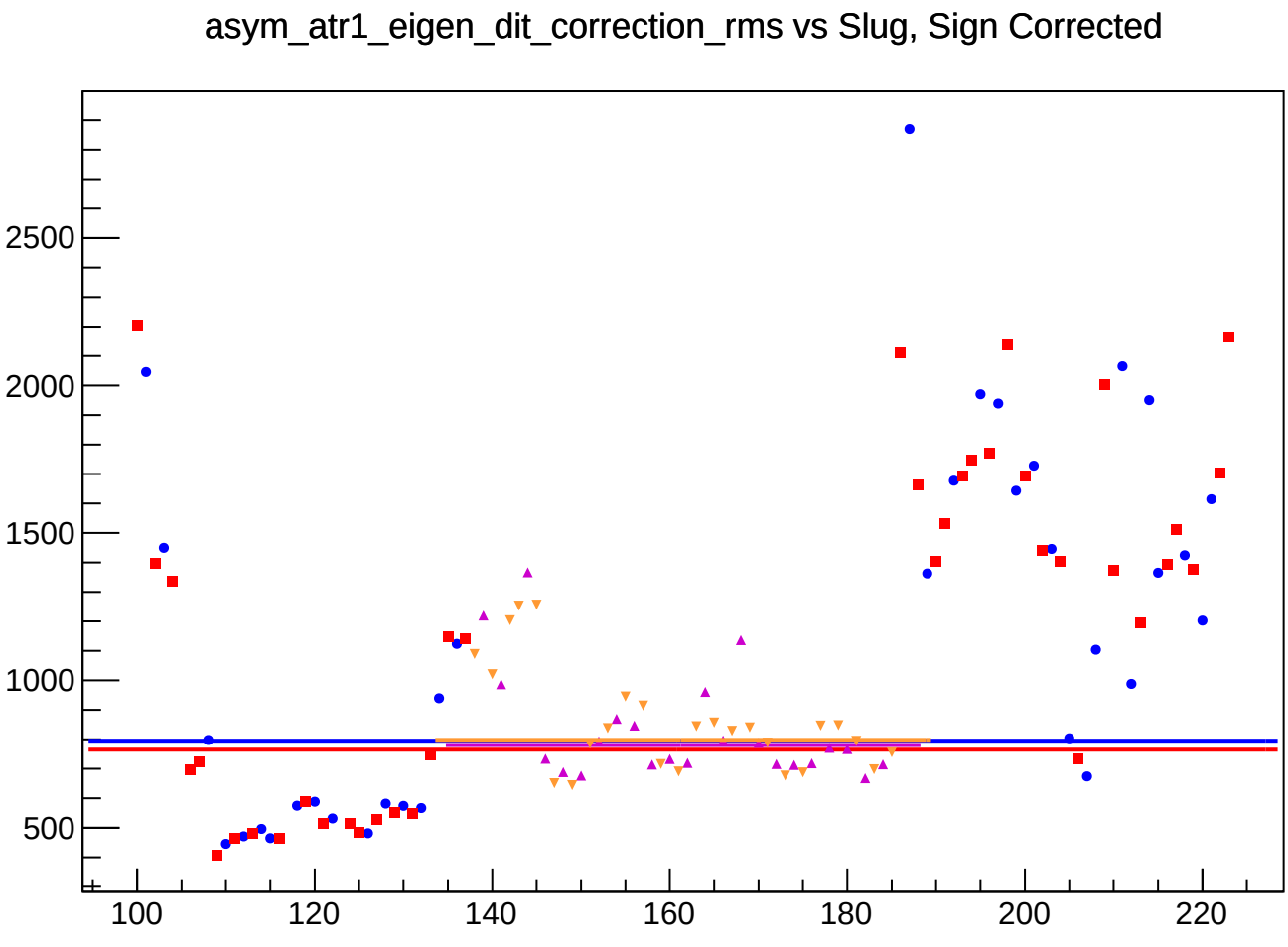
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 217.433+/-134.369 χ^2/NDF: 170.0/72

In: -187.459+/-133.905 χ^2/NDF:79.1/56

Out: 80.029+/-131.404 χ^2/NDF:176.7/63

All: -51.194+/-93.789 χ^2/NDF: 257.9/120



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

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

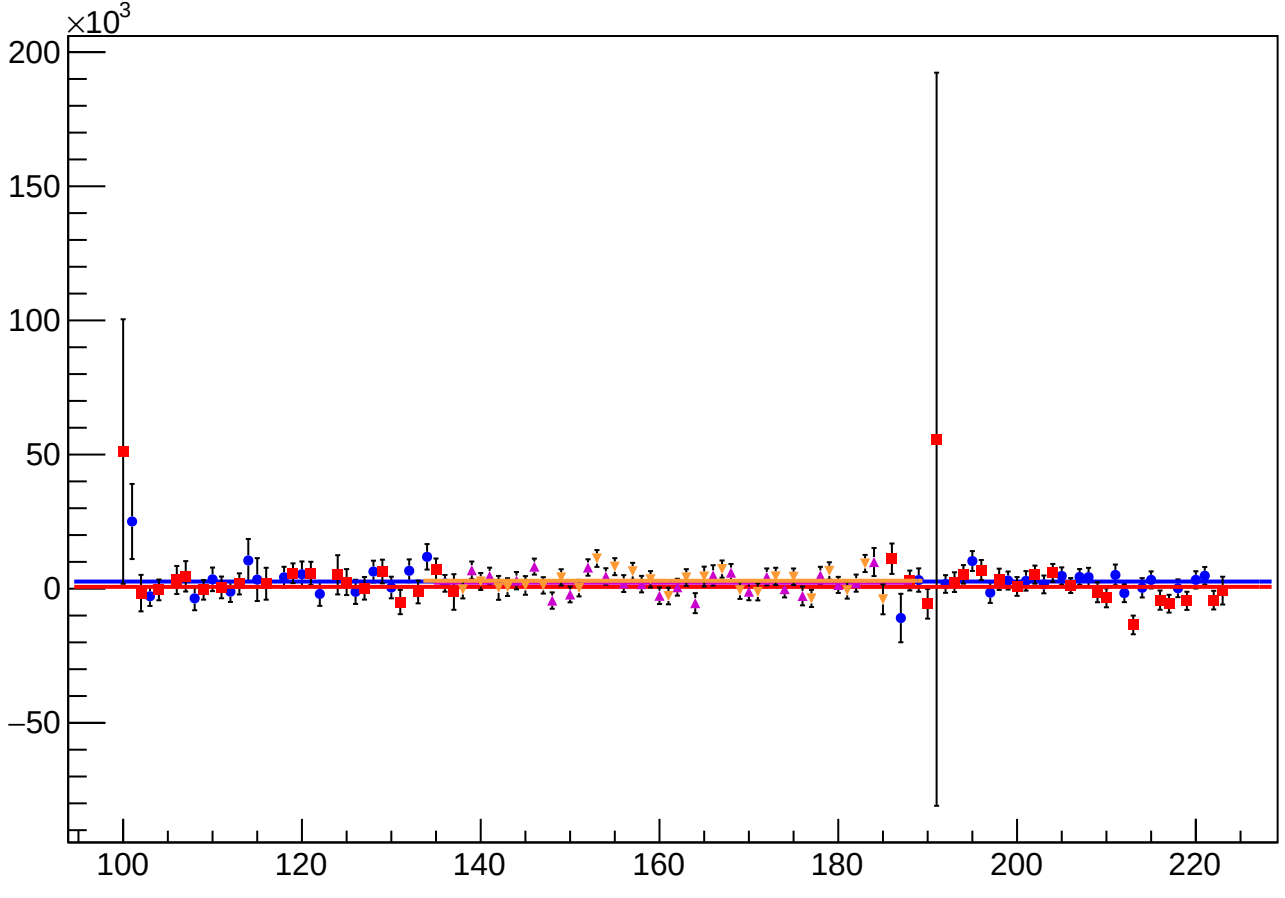
Right: 779.532+/-0.095 χ^2/NDF: 20752700.6/72

In: 787.611+/-0.095 χ^2/NDF:10576192.3/56

Out: 781.614+/-0.093 χ^2/NDF:12422095.9/63

All: 784.556+/-0.066 χ^2/NDF: 23000332.1/12

asym_atr1_mean vs Slug, Sign Corrected



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

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

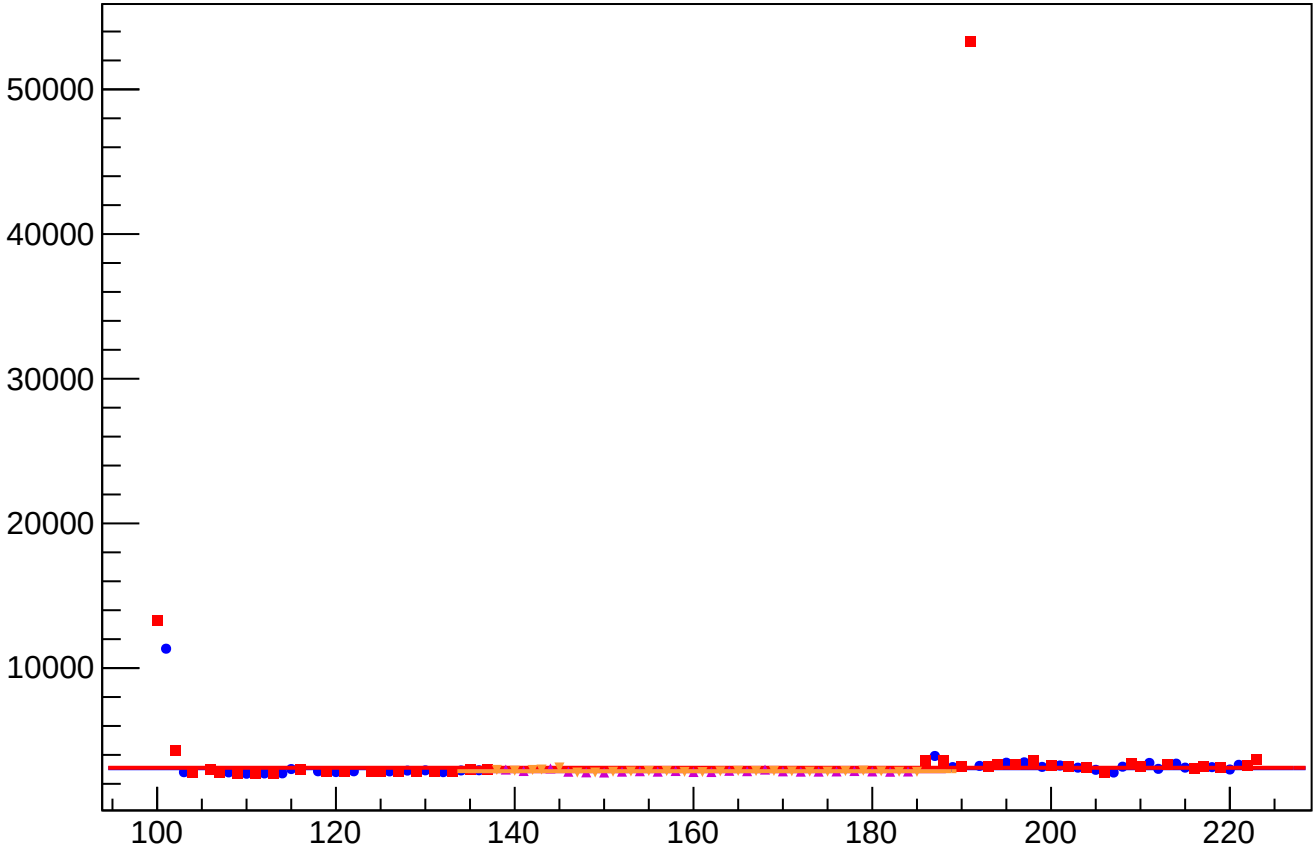
Right: 1673.401+/-467.727 χ^2/NDF: 88.7/72

In: 2455.821+/-471.239 χ^2/NDF:63.3/56

Out: 1839.162+/-464.414 χ^2/NDF:96.7/63

All: 2142.993+/-330.777 χ^2/NDF: 160.9/120

asym_atr1_rms vs Slug, Sign Corrected



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

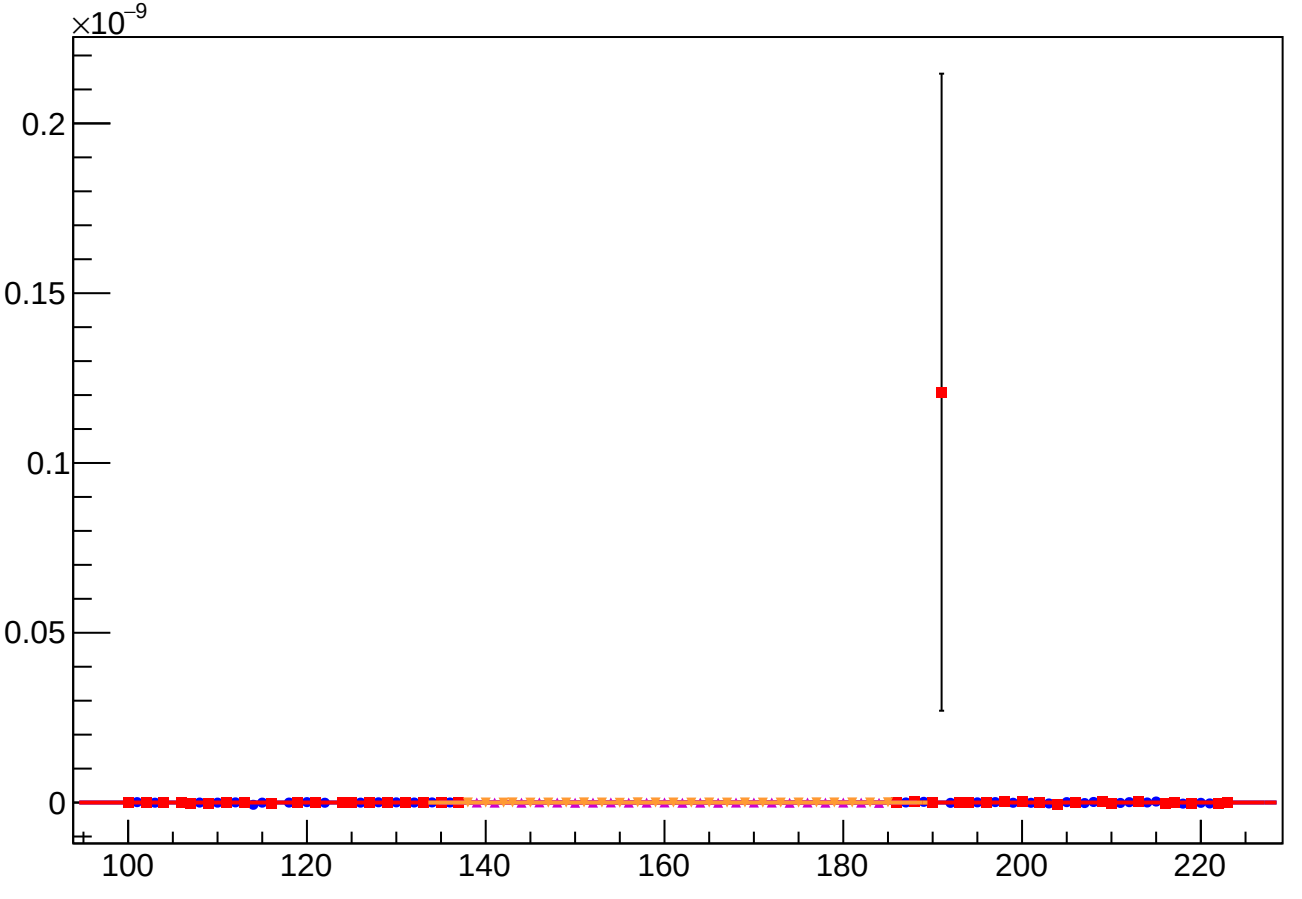
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3094.290+/-0.331 χ^2/NDF: 1737003.7/72

In: 2975.373+/-0.333 χ^2/NDF:1055344.1/56

Out: 2991.348+/-0.328 χ^2/NDF:944603.9/63

All: 2983.477+/-0.234 χ^2/NDF: 2001114.1/12



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

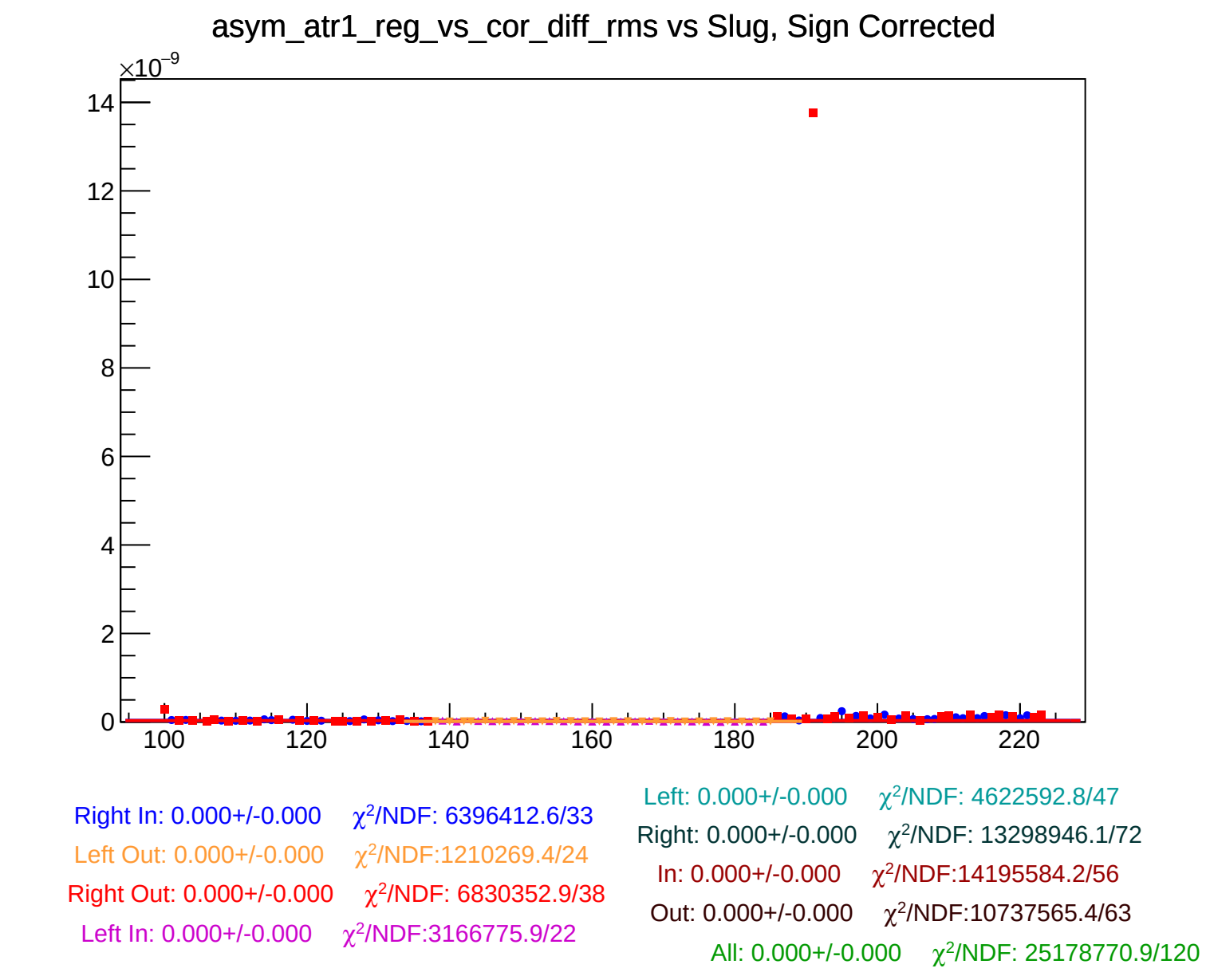
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

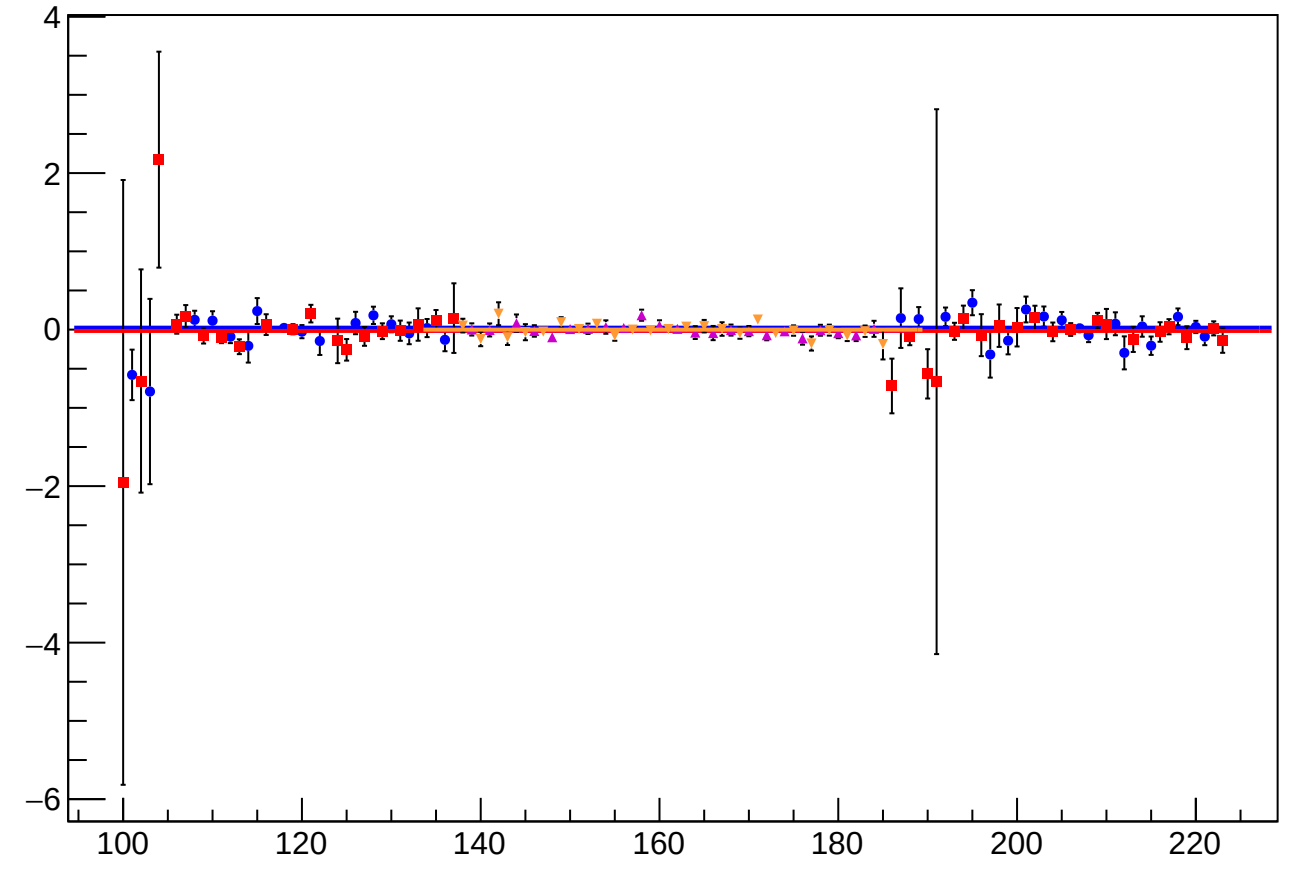
Right: 0.000+/-0.000 χ^2/NDF: 78.1/72

In: -0.000+/-0.000 χ^2/NDF:59.8/56

Out: 0.000+/-0.000 χ^2/NDF:62.9/63

All: -0.000+/-0.000 χ^2/NDF: 123.4/120


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6396412.6/33
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6830352.9/38
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 13298946.1/72
In: 0.000+/-0.000 χ²/NDF:14195584.2/56
Out: 0.000+/-0.000 χ²/NDF:10737565.4/63
All: 0.000+/-0.000 χ²/NDF: 25178770.9/120



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

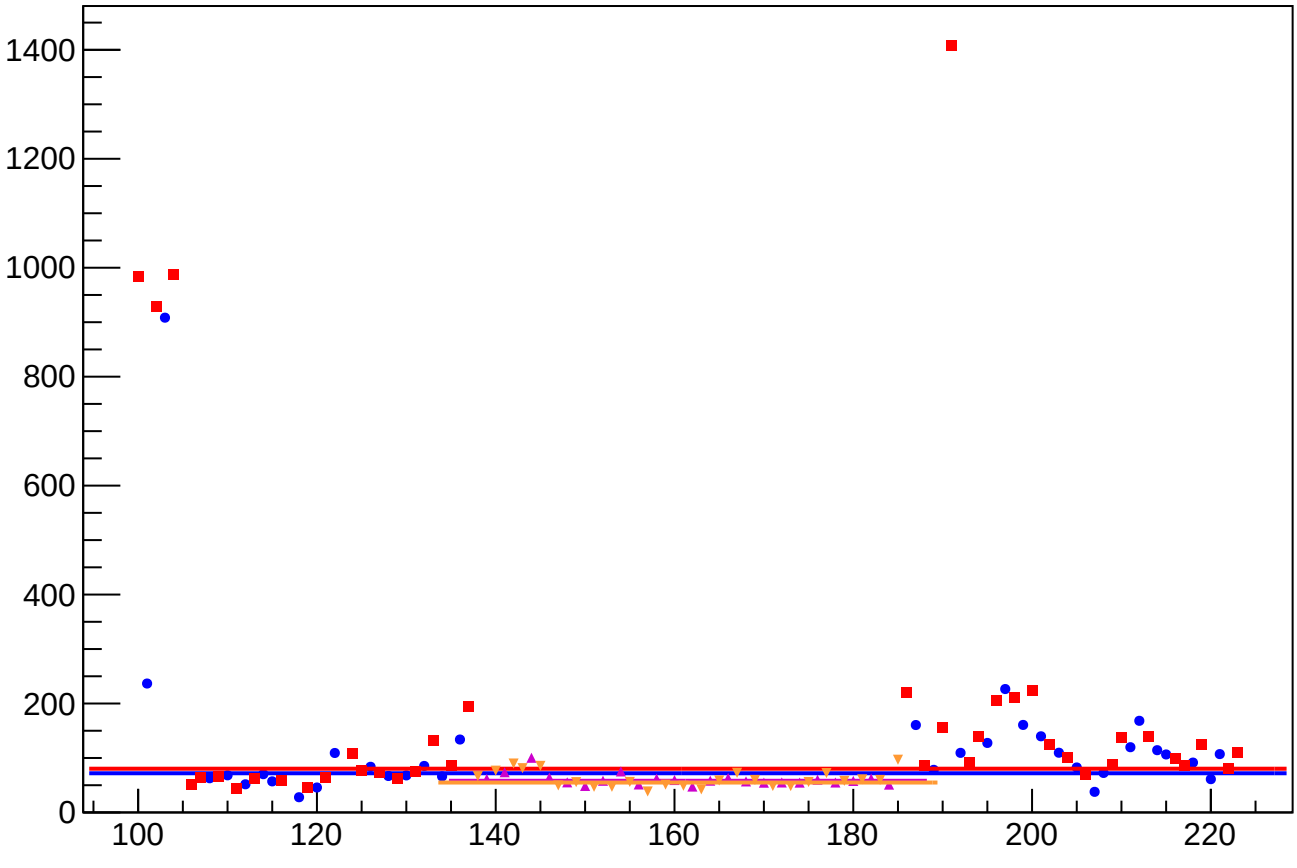
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.005+/-0.014 χ^2/NDF: 74.5/72

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.006+/-0.012 χ^2/NDF:57.6/63

All: -0.001+/-0.008 χ^2/NDF: 113.0/120



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

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

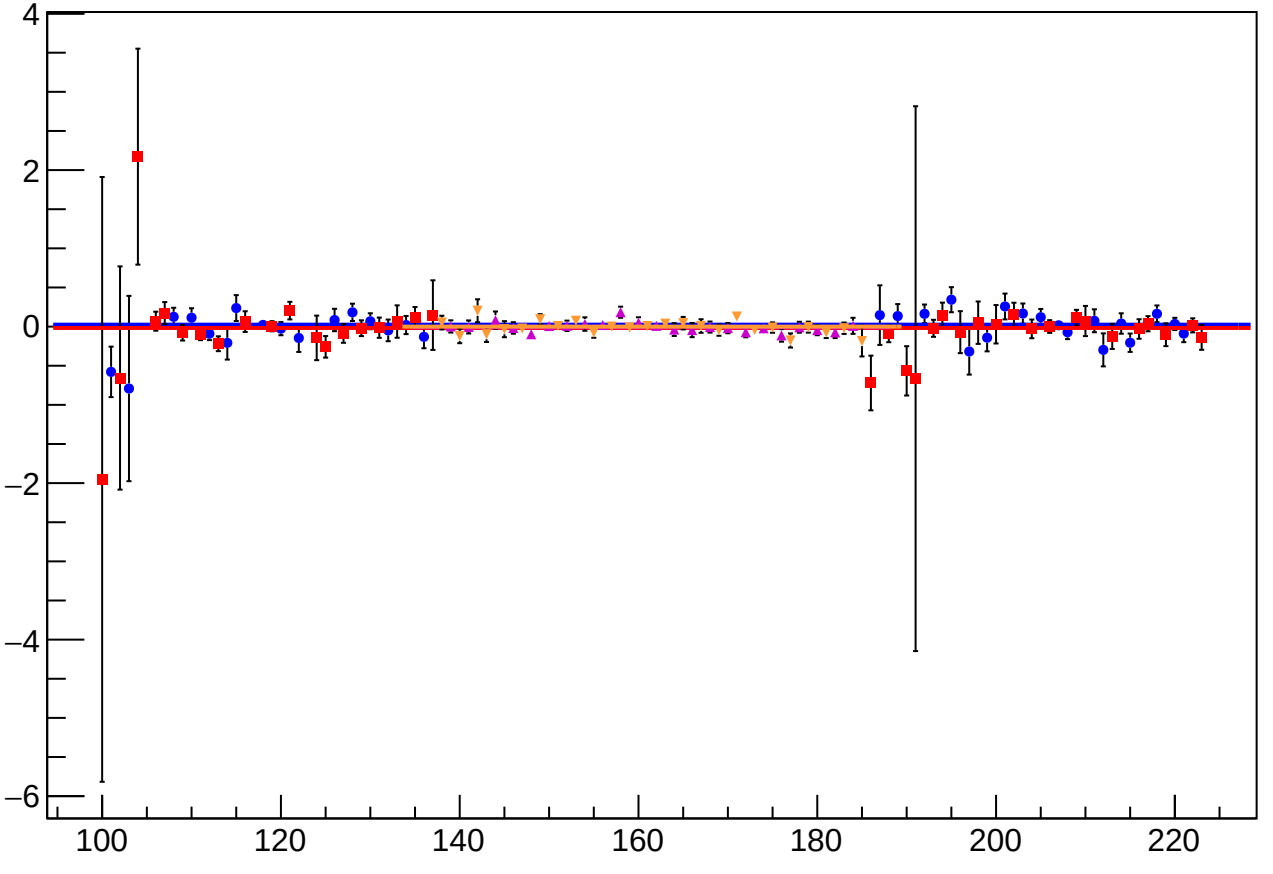
Right: 75.874+/-0.010 χ^2/NDF: 15229600.2/72

In: 63.244+/-0.008 χ^2/NDF:9249710.4/56

Out: 63.018+/-0.008 χ^2/NDF:10467828.5/63

All: 63.130+/-0.006 χ^2/NDF: 19717912.1/120

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

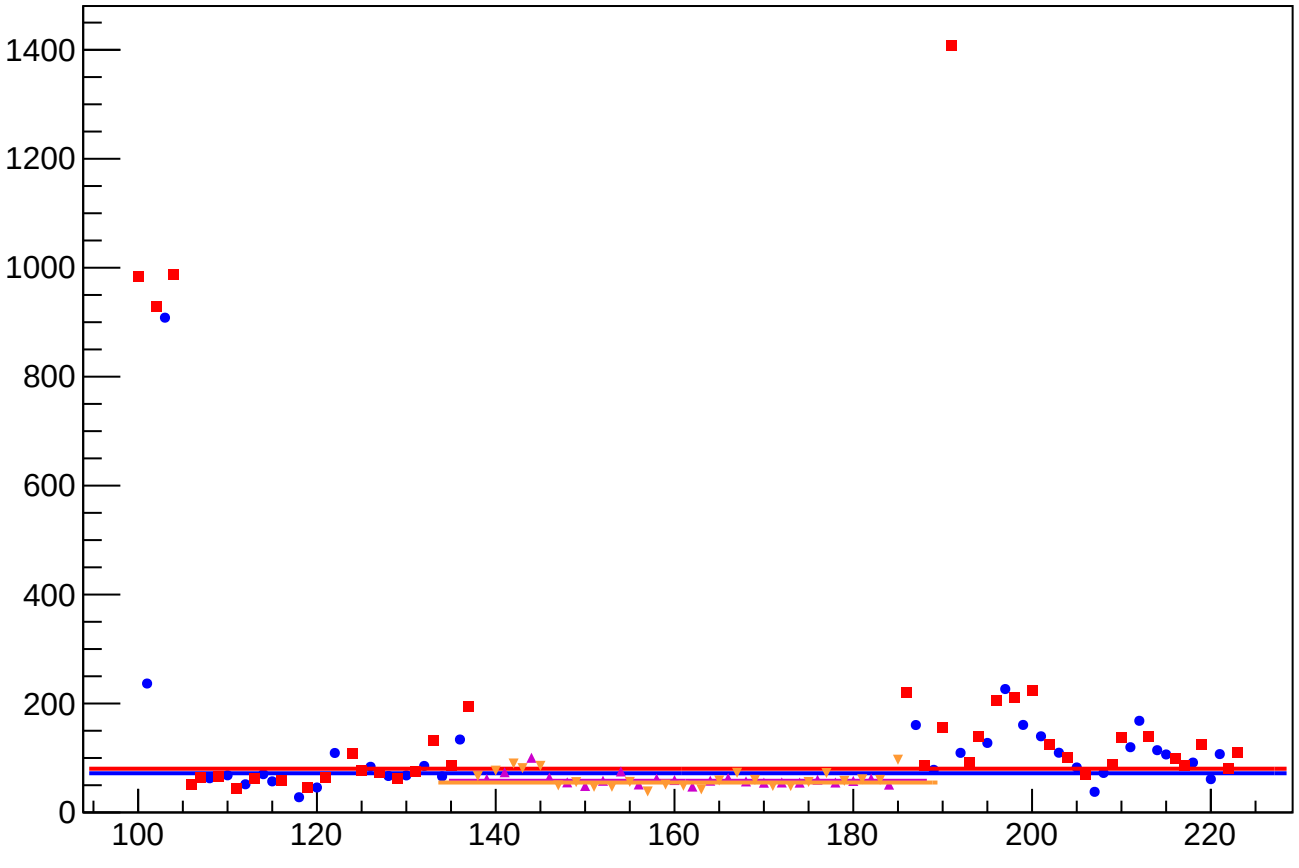
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.005+/-0.014 χ^2/NDF: 74.5/72

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.006+/-0.012 χ^2/NDF:57.6/63

All: -0.001+/-0.008 χ^2/NDF: 113.0/120



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

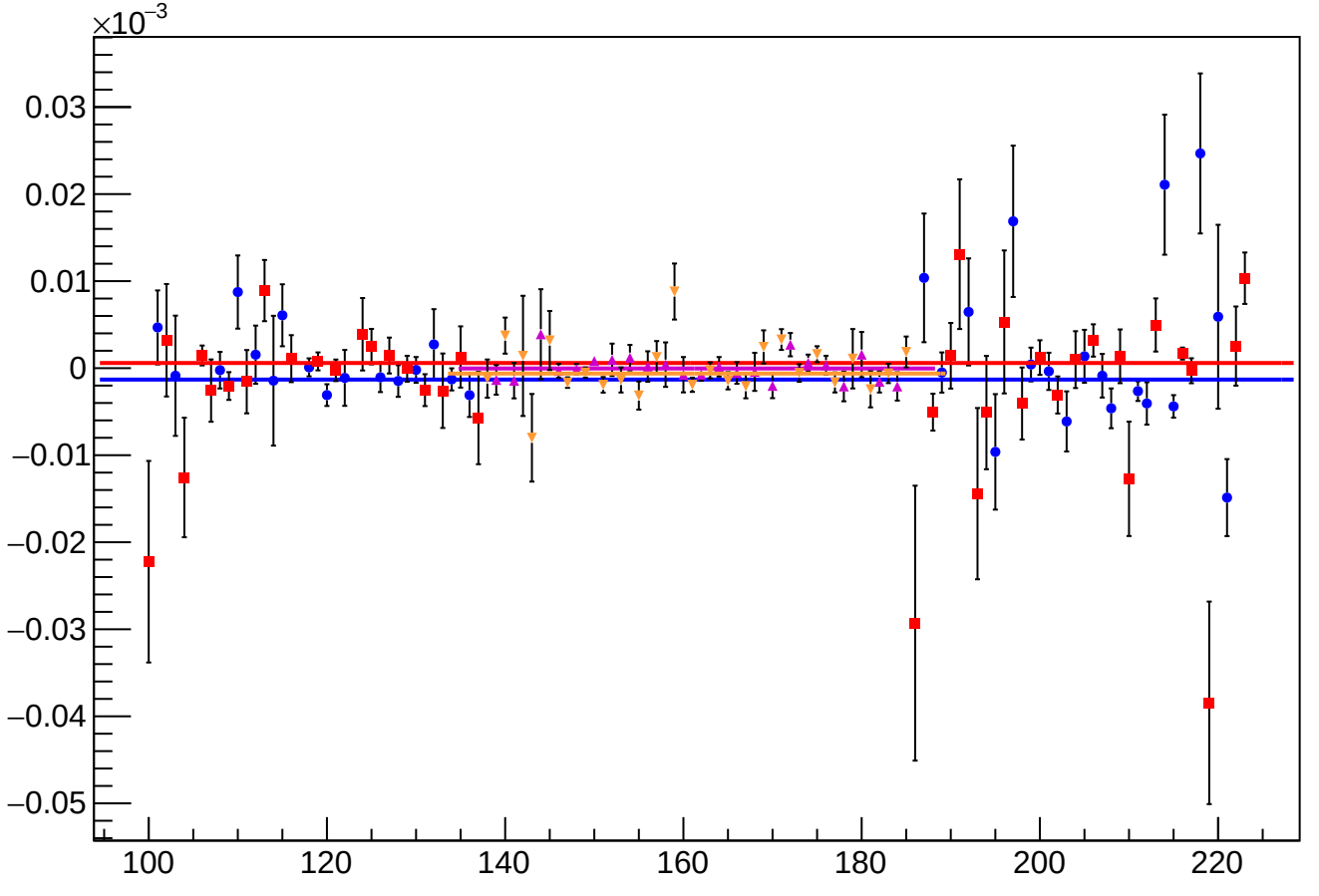
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 75.874+/-0.010 χ^2/NDF: 15229600.2/72

In: 63.244+/-0.008 χ^2/NDF:9249710.4/56

Out: 63.018+/-0.008 χ^2/NDF:10467828.5/63

All: 63.130+/-0.006 χ^2/NDF: 19717912.1/120



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

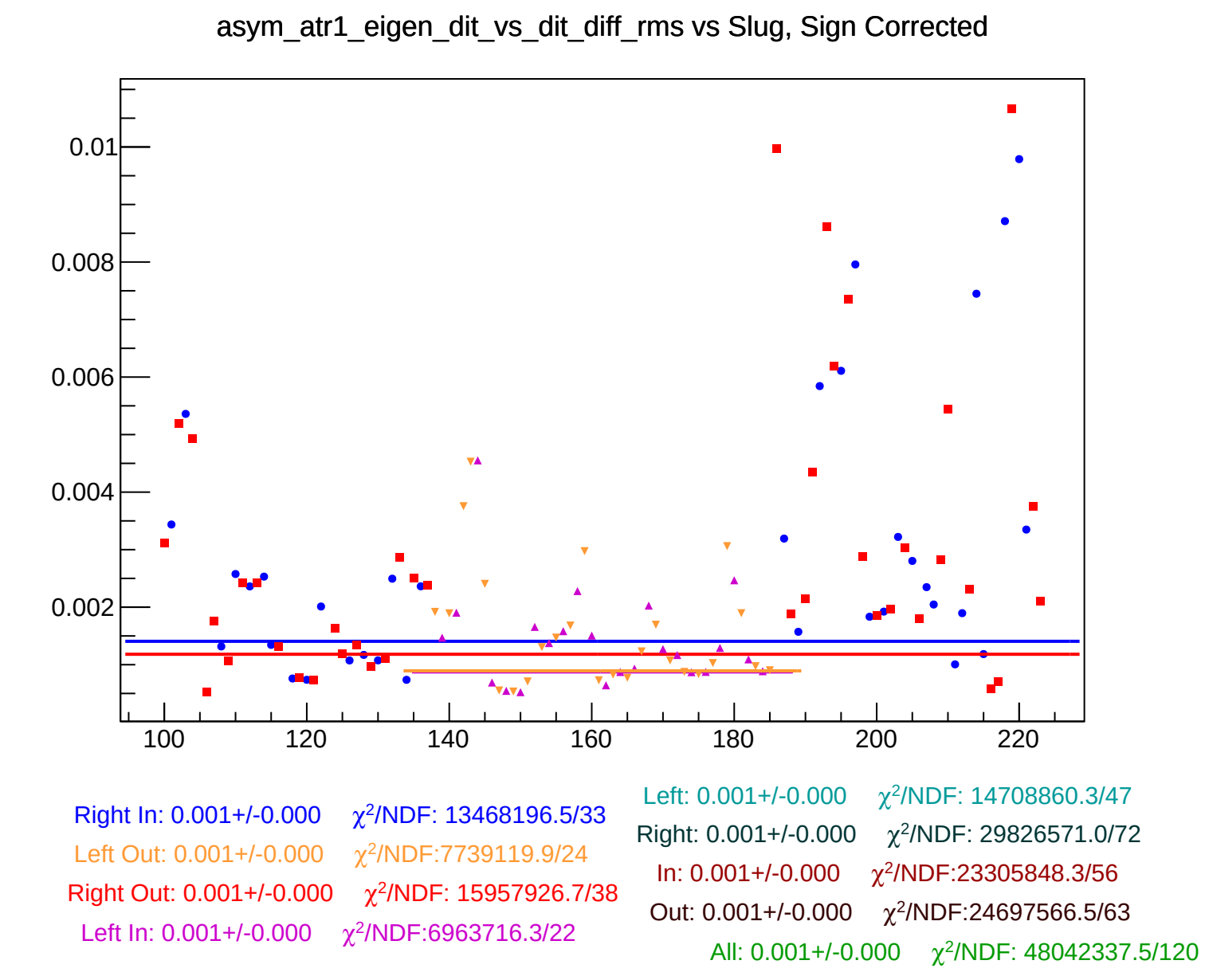
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

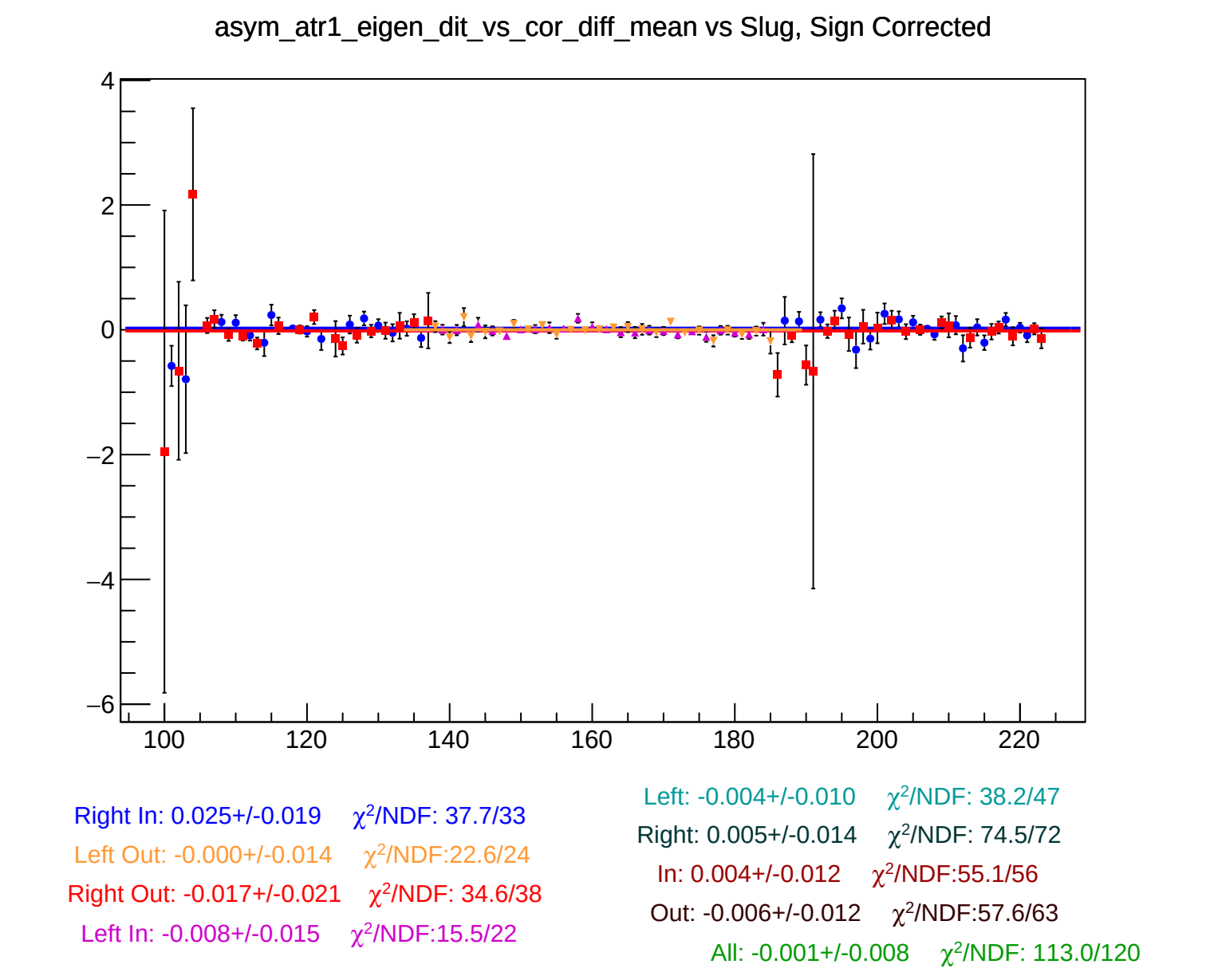
Right: -0.000+/-0.000 χ^2/NDF: 162.3/72

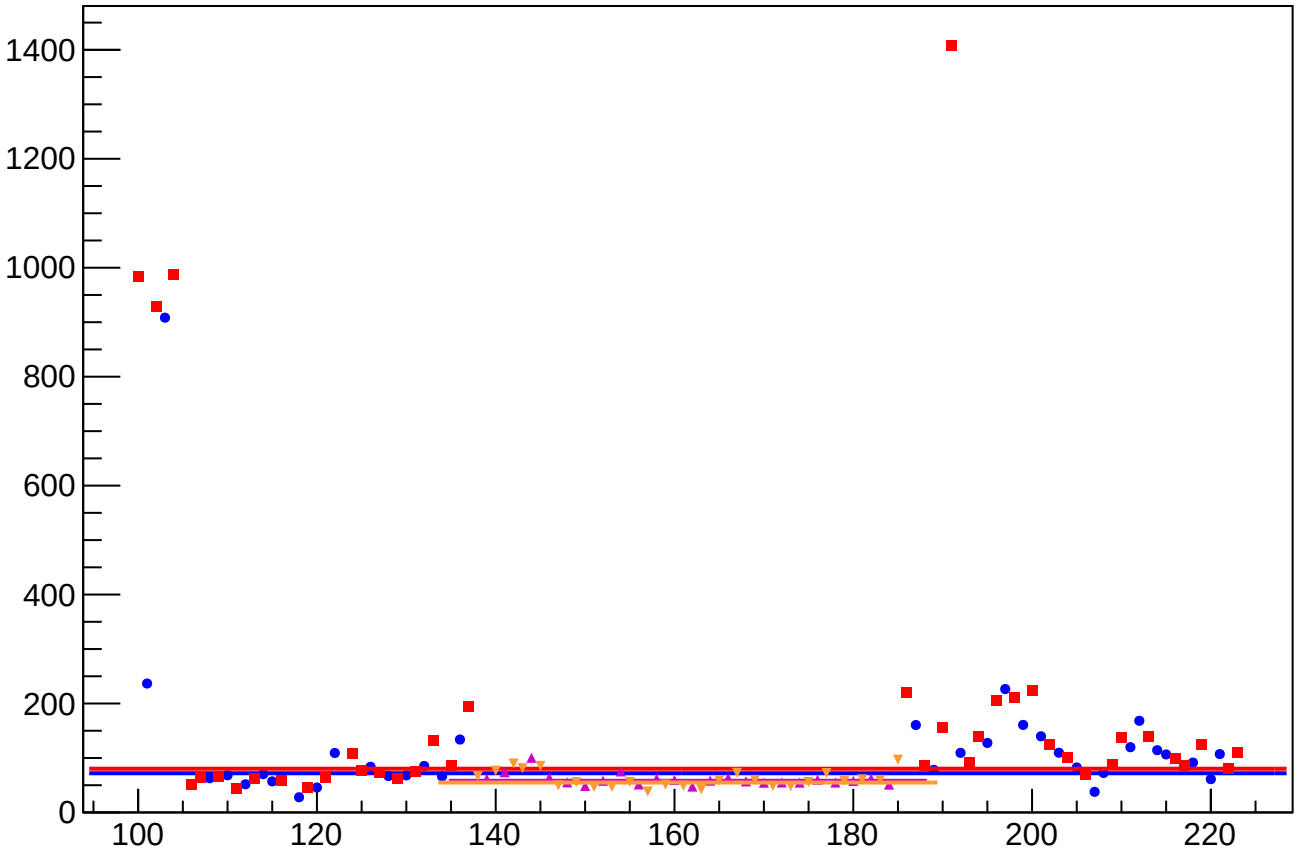
In: -0.000+/-0.000 χ^2/NDF:95.4/56

Out: -0.000+/-0.000 χ^2/NDF:140.6/63

All: -0.000+/-0.000 χ^2/NDF: 236.4/120


asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 13468196.5/33
Left Out: 0.001+/-0.000 χ²/NDF:7739119.9/24
Right Out: 0.001+/-0.000 χ²/NDF: 15957926.7/38
Left In: 0.001+/-0.000 χ²/NDF:6963716.3/22
Left: 0.001+/-0.000 χ²/NDF: 14708860.3/47
Right: 0.001+/-0.000 χ²/NDF: 29826571.0/72
In: 0.001+/-0.000 χ²/NDF:23305848.3/56
Out: 0.001+/-0.000 χ²/NDF:24697566.5/63
All: 0.001+/-0.000 χ²/NDF: 48042337.5/120


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.025+/-0.019 χ²/NDF: 37.7/33
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.017+/-0.021 χ²/NDF: 34.6/38
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.005+/-0.014 χ²/NDF: 74.5/72
In: 0.004+/-0.012 χ²/NDF:55.1/56
Out: -0.006+/-0.012 χ²/NDF:57.6/63
All: -0.001+/-0.008 χ²/NDF: 113.0/120



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

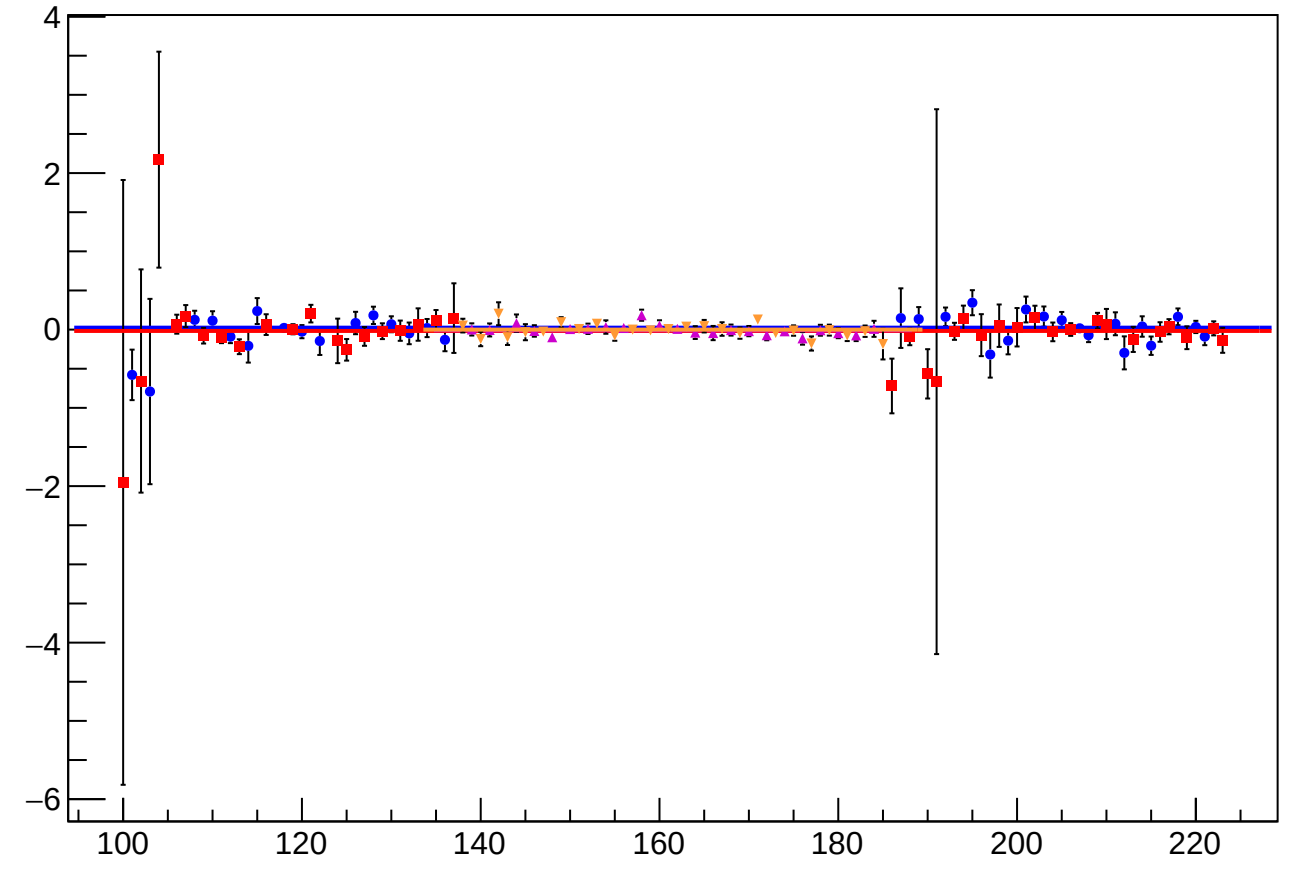
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 75.874+/-0.010 χ^2/NDF: 15229967.0/72

In: 63.244+/-0.008 χ^2/NDF:9249950.9/56

Out: 63.018+/-0.008 χ^2/NDF:10467939.7/63

All: 63.129+/-0.006 χ^2/NDF: 19718263.9/120



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

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

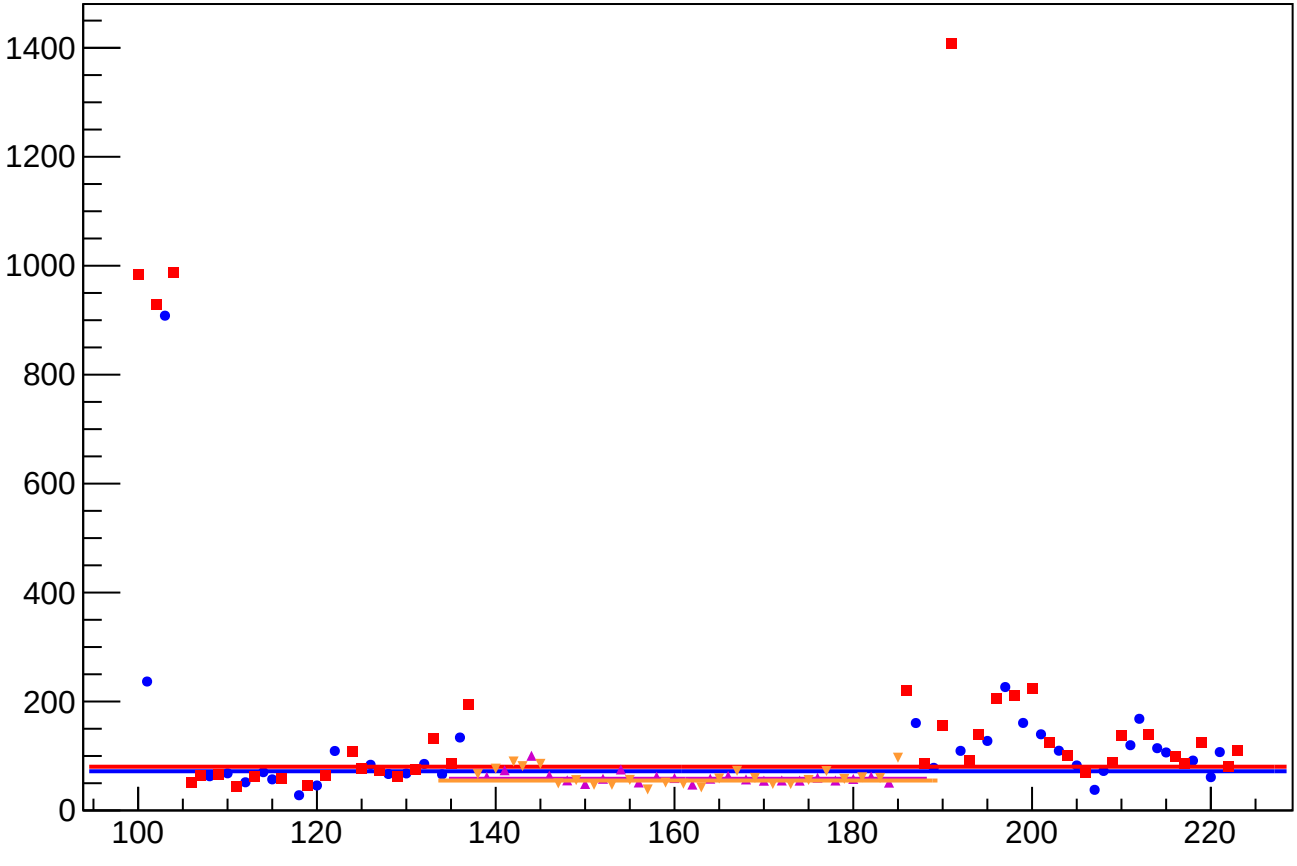
Right: 0.005+/-0.014 χ^2/NDF: 74.5/72

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.006+/-0.012 χ^2/NDF:57.6/63

All: -0.001+/-0.008 χ^2/NDF: 113.0/120

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

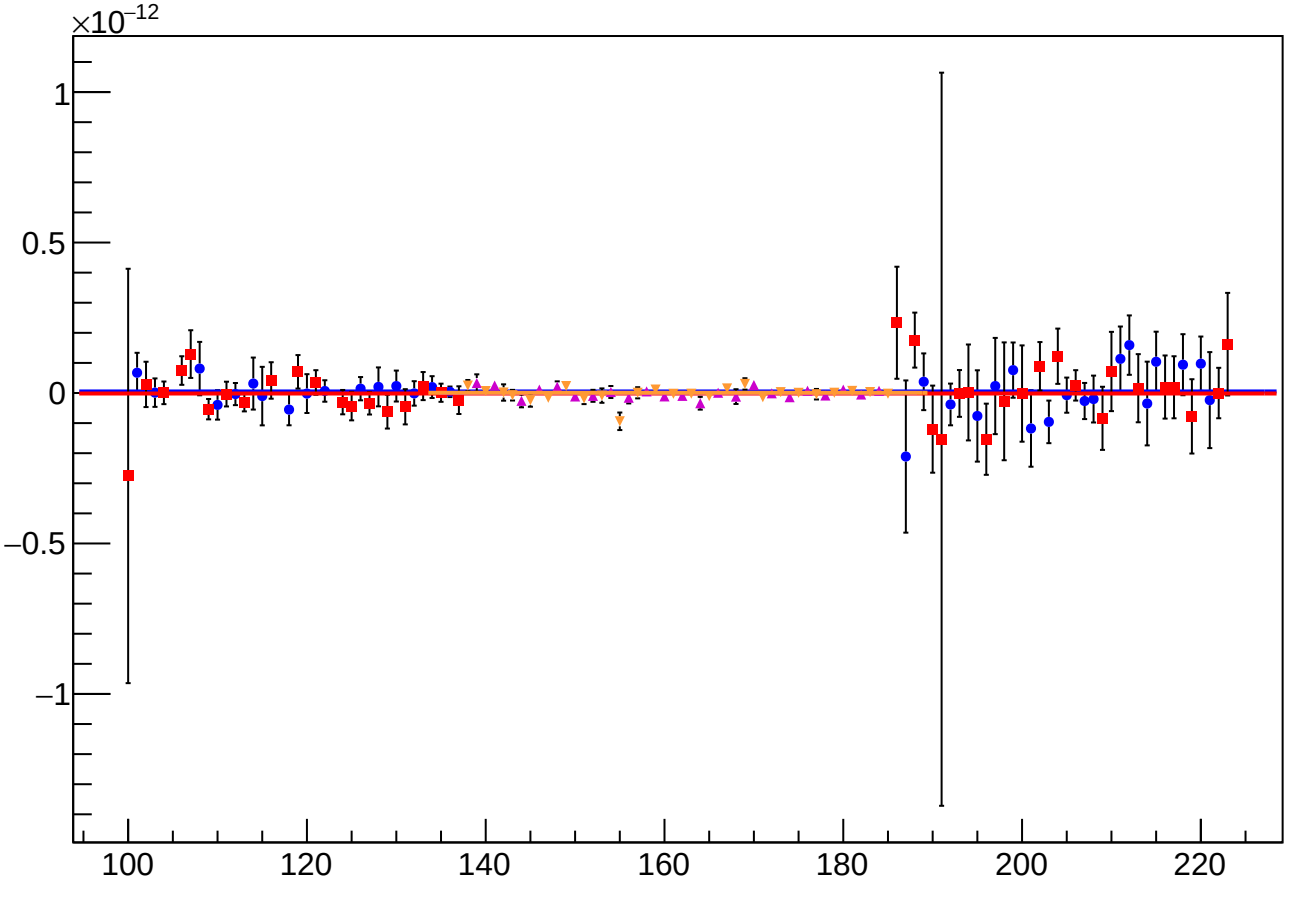
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 75.874+/-0.010 χ^2/NDF: 15229967.0/72

In: 63.244+/-0.008 χ^2/NDF:9249950.9/56

Out: 63.018+/-0.008 χ^2/NDF:10467939.7/63

All: 63.129+/-0.006 χ^2/NDF: 19718263.9/120



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

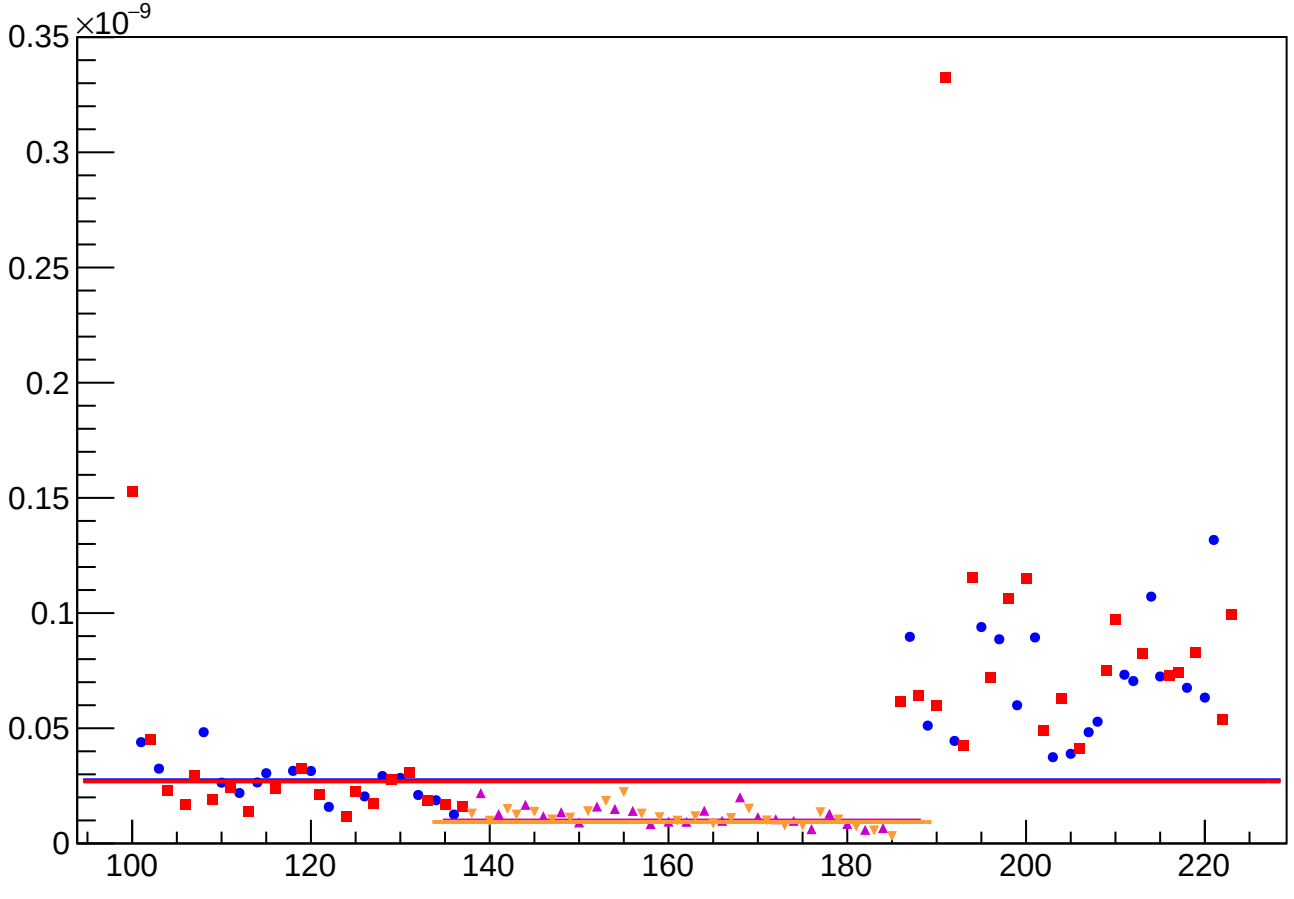
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 46.4/72

In: 0.000+/-0.000 χ^2/NDF:36.8/56

Out: 0.000+/-0.000 χ^2/NDF:55.2/63

All: 0.000+/-0.000 χ^2/NDF: 92.0/120



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

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

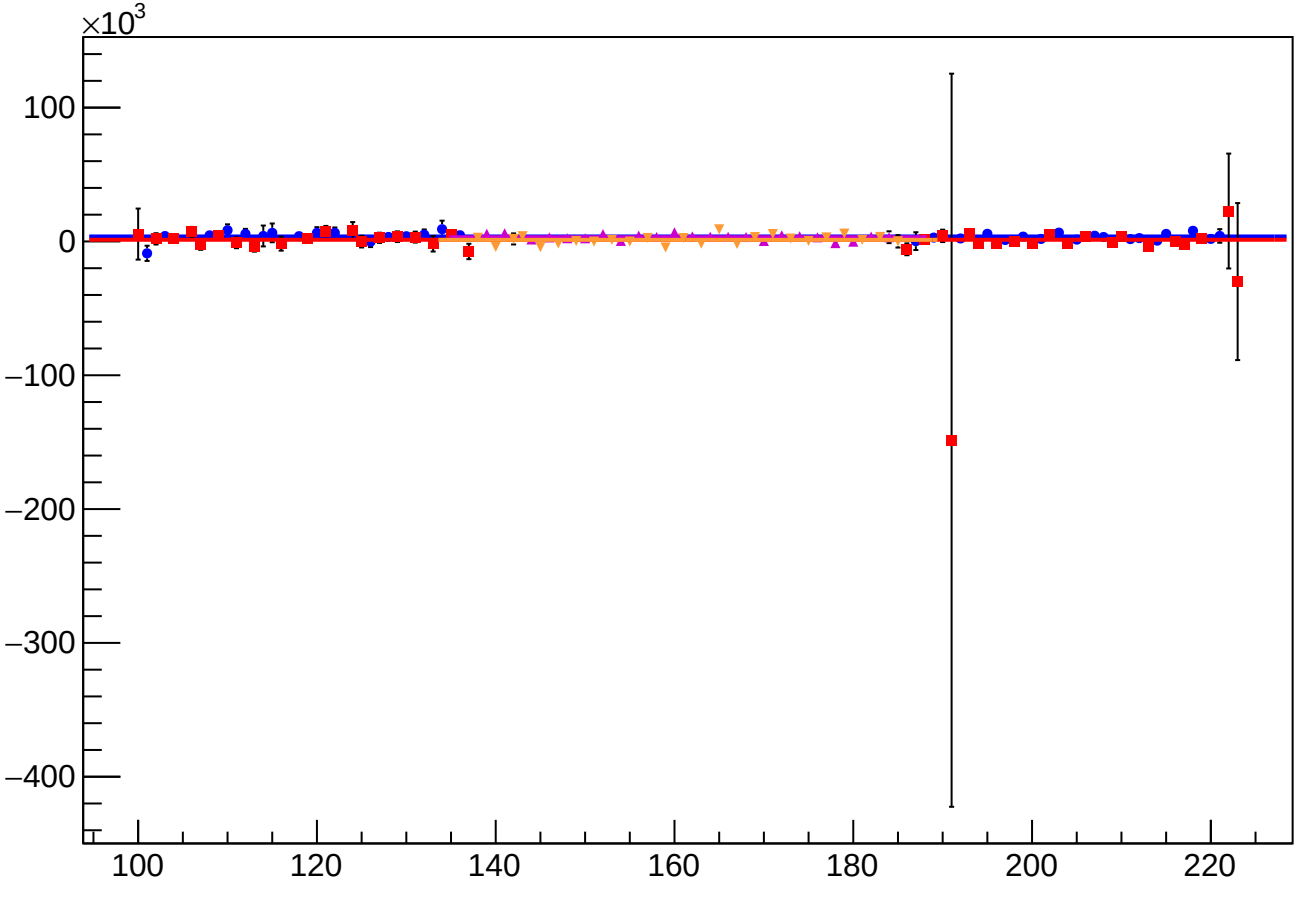
Right: 0.000+/-0.000 χ^2/NDF: 16014461.3/72

In: 0.000+/-0.000 χ^2/NDF:16880218.5/56

Out: 0.000+/-0.000 χ^2/NDF:17860176.4/63

All: 0.000+/-0.000 χ^2/NDF: 34824555.6/120

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

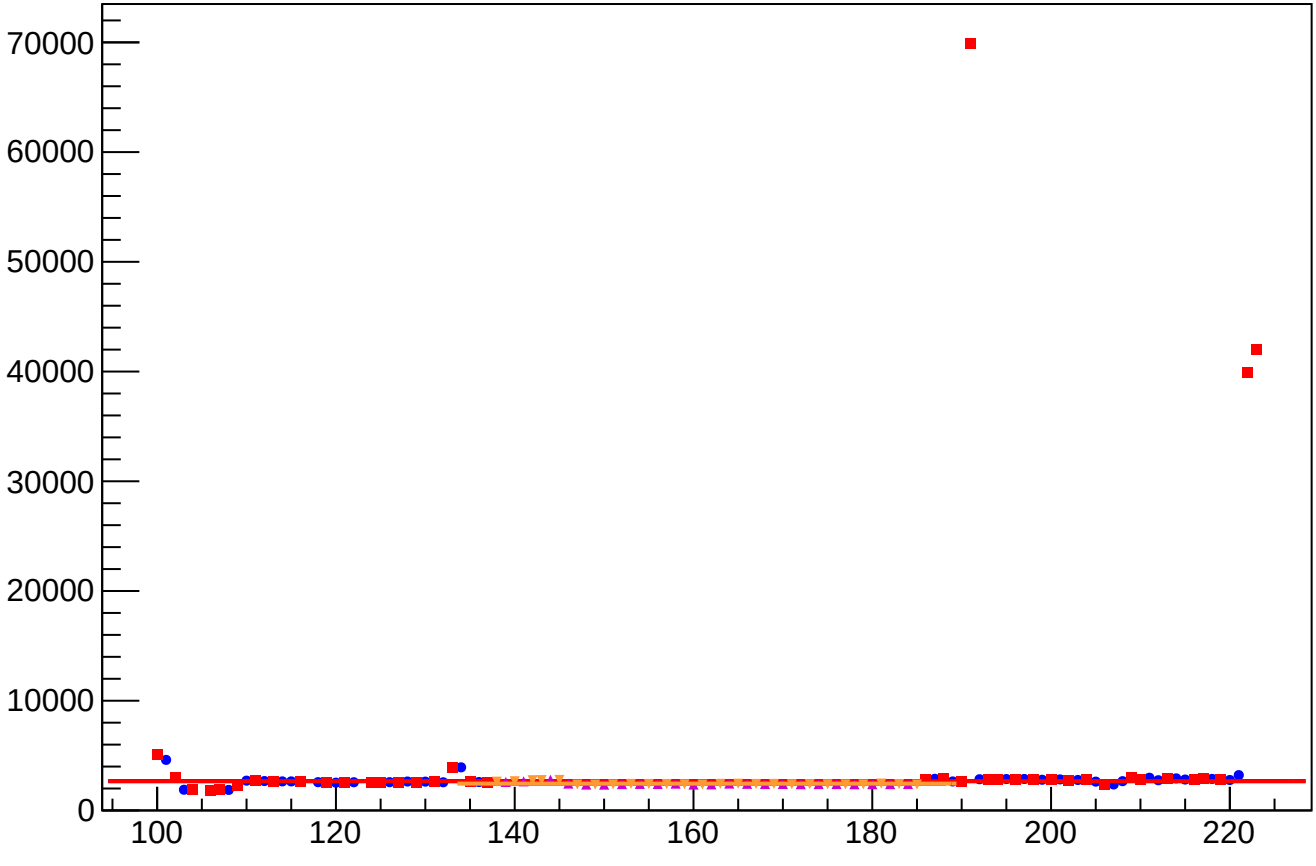
Right: 2483.419+/-412.177 χ^2/NDF: 59.9/72

In: 3423.534+/-407.224 χ^2/NDF:30.4/56

Out: 1219.470+/-402.447 χ^2/NDF:64.8/63

All: 2308.499+/-286.247 χ^2/NDF: 110.1/120

reg_asym_atr2_rms vs Slug, Sign Corrected



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

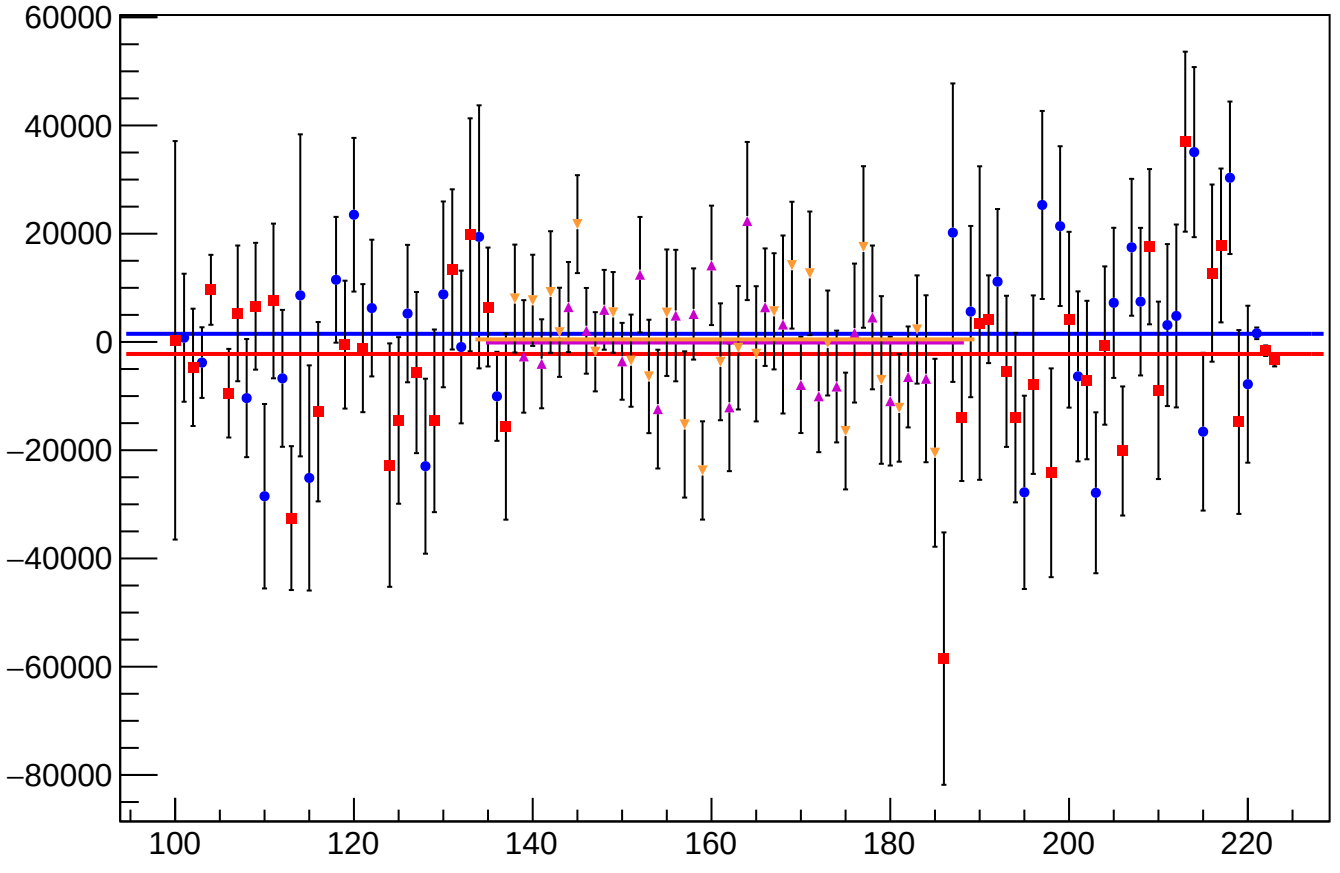
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2670.100+/-0.291 χ^2/NDF: 4059372.6/72

In: 2552.517+/-0.288 χ^2/NDF:1038872.0/56

Out: 2550.496+/-0.285 χ^2/NDF:3489868.8/63

All: 2551.495+/-0.202 χ^2/NDF: 4528765.7/12



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

Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

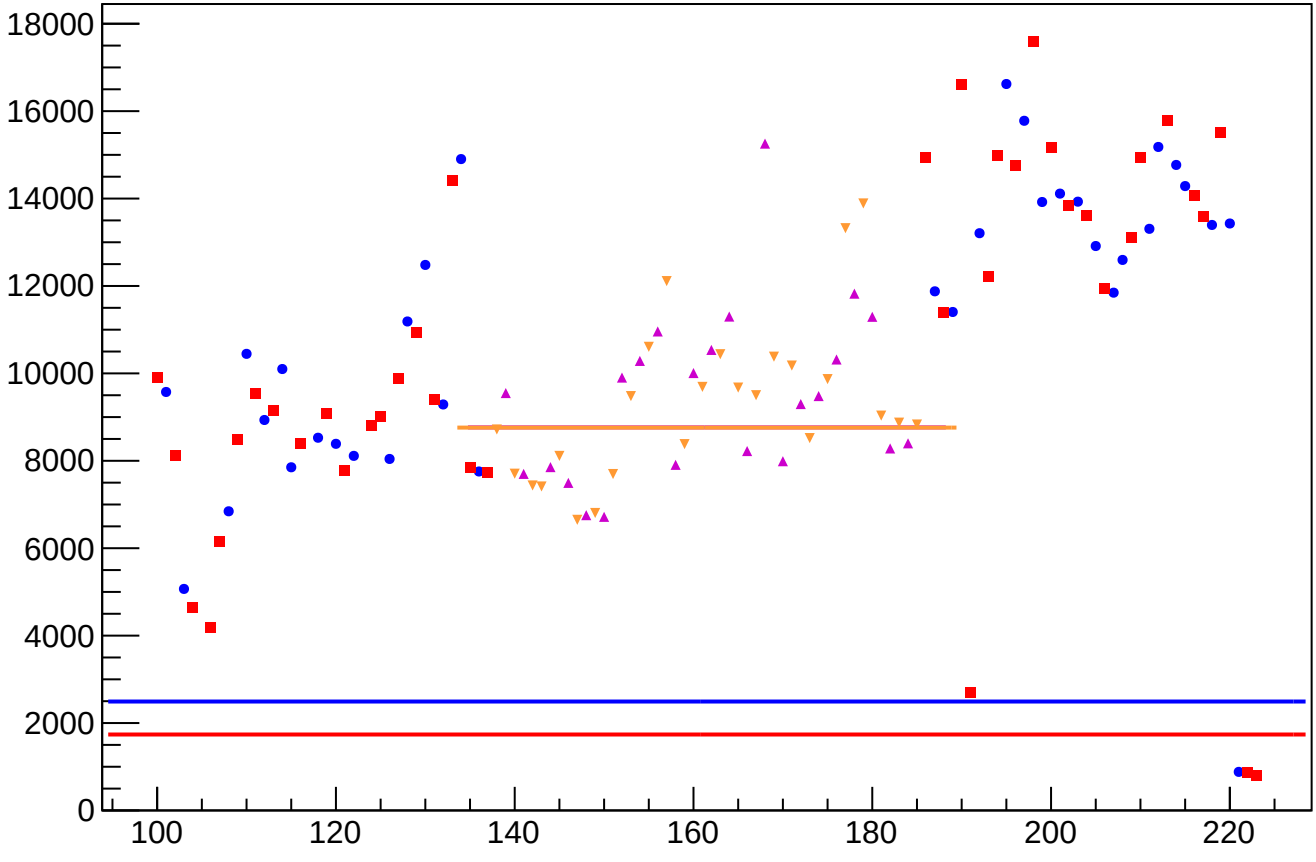
Right: -918.522+/-577.293 χ^2/NDF: 90.2/72

In: 1215.415+/-884.732 χ^2/NDF:54.7/56

Out: -1923.251+/-675.270 χ^2/NDF:69.9/63

All: -767.885+/-536.784 χ^2/NDF: 132.6/120

asym_atr2_reg_correction_rms vs Slug, Sign Corrected



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

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

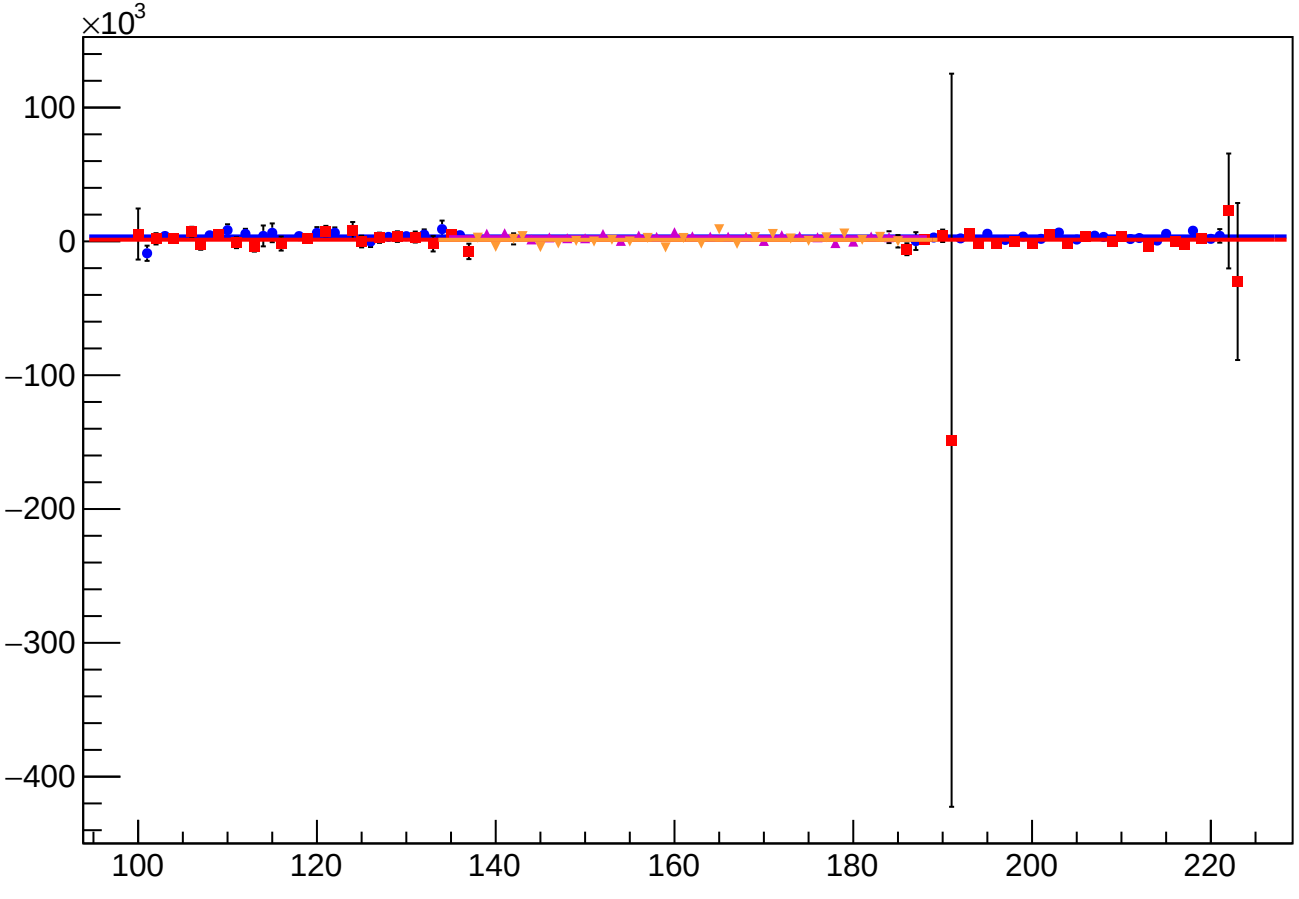
Right: 2001.531+/-0.408 χ^2/NDF: 63888337.4/72

In: 3615.289+/-0.626 χ^2/NDF:46261123.9/56

Out: 2510.215+/-0.477 χ^2/NDF:55309933.0/63

All: 2917.001+/-0.380 χ^2/NDF: 103542717.1

cor_asym_atr2_mean vs Slug, Sign Corrected



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

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

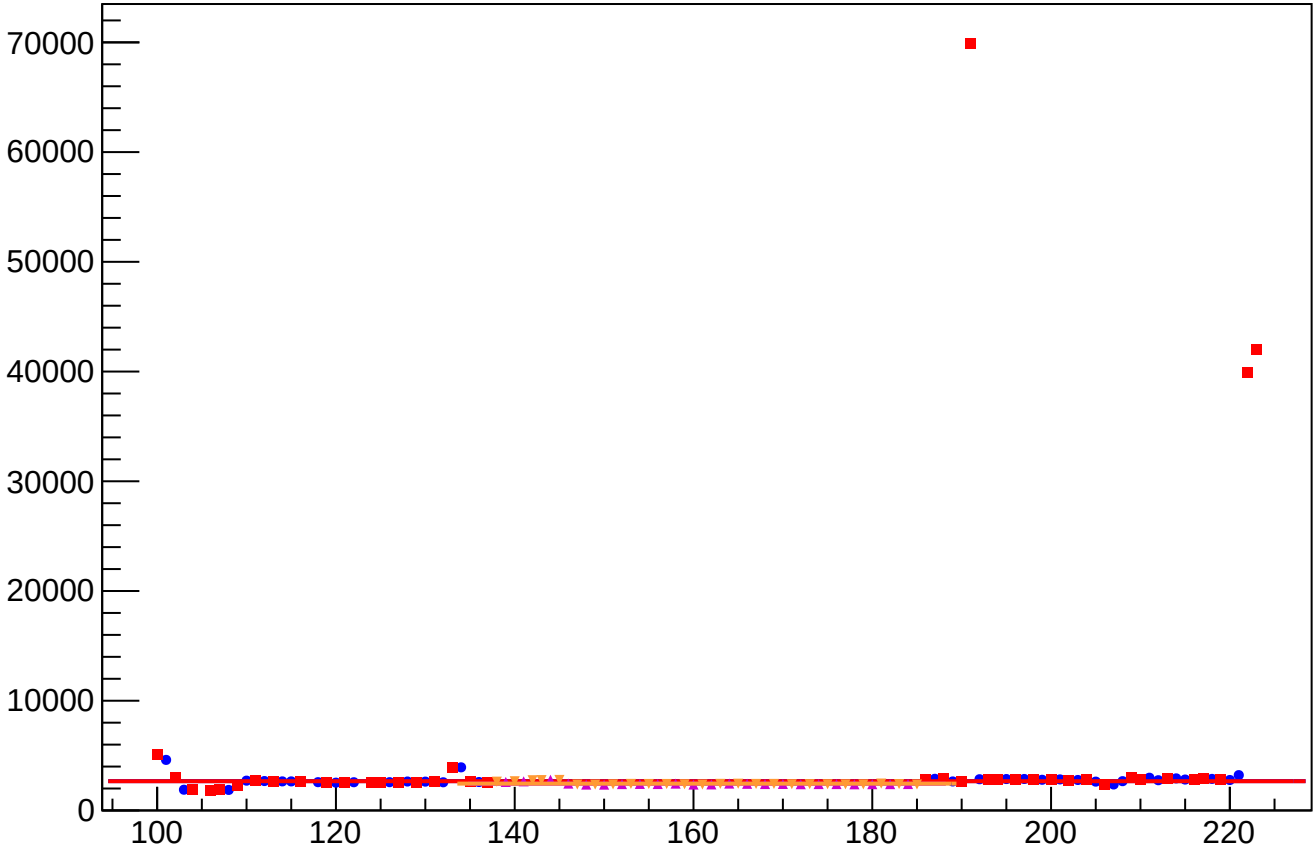
Right: 2483.509+/-412.178 χ^2/NDF: 59.9/72

In: 3423.361+/-407.224 χ^2/NDF:30.4/56

Out: 1219.533+/-402.447 χ^2/NDF:64.8/63

All: 2308.447+/-286.247 χ^2/NDF: 110.1/120

cor_asym_atr2_rms vs Slug, Sign Corrected



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

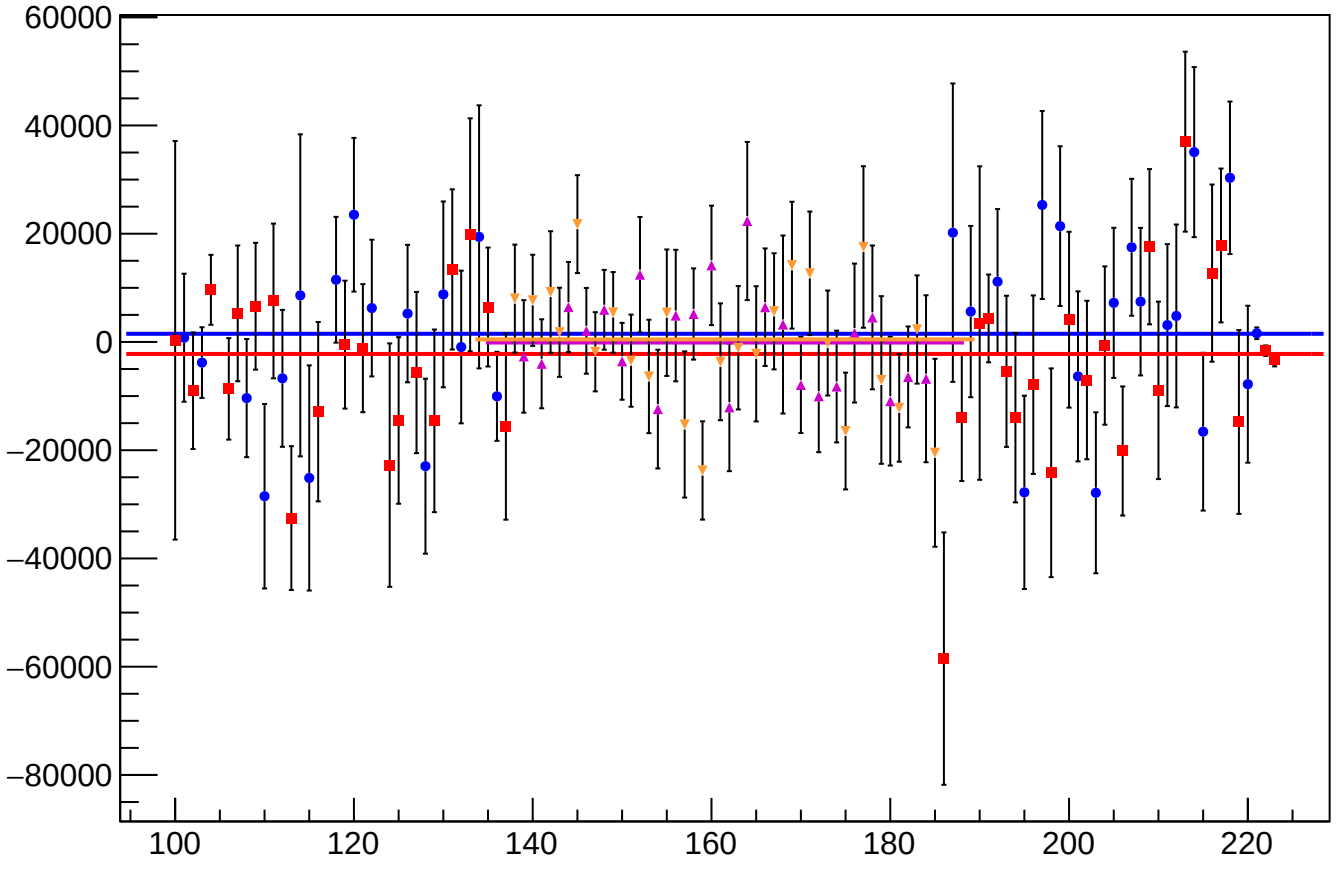
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2670.106+/-0.291 χ^2/NDF: 4059288.1/72

In: 2552.517+/-0.288 χ^2/NDF:1038869.5/56

Out: 2550.501+/-0.285 χ^2/NDF:3489802.4/63

All: 2551.497+/-0.202 χ^2/NDF: 4528696.7/12



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

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

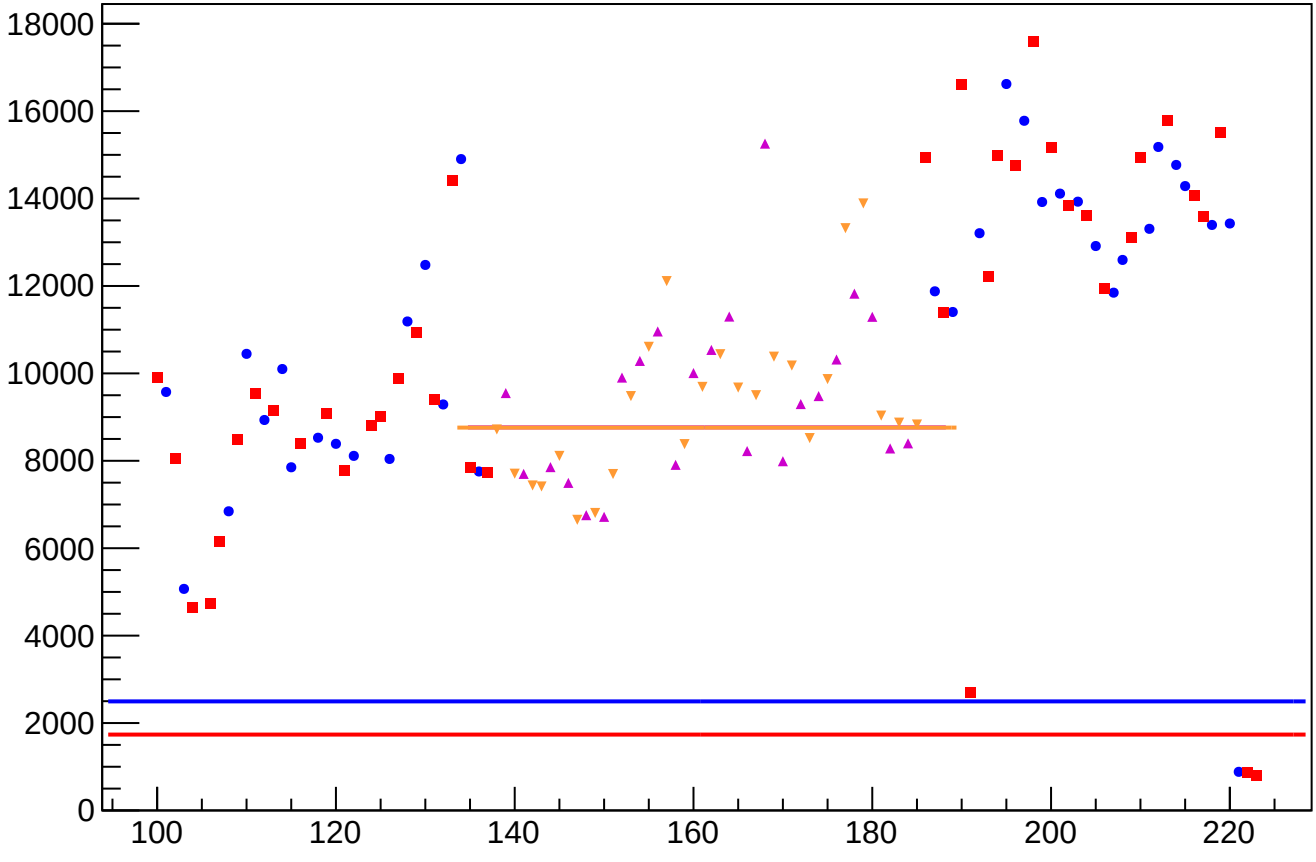
Right: -913.471+/-577.689 χ^2/NDF: 90.3/72

In: 1220.540+/-885.245 χ^2/NDF:54.7/56

Out: -1919.101+/-675.677 χ^2/NDF:70.0/63

All: -763.343+/-537.102 χ^2/NDF: 132.7/120

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



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

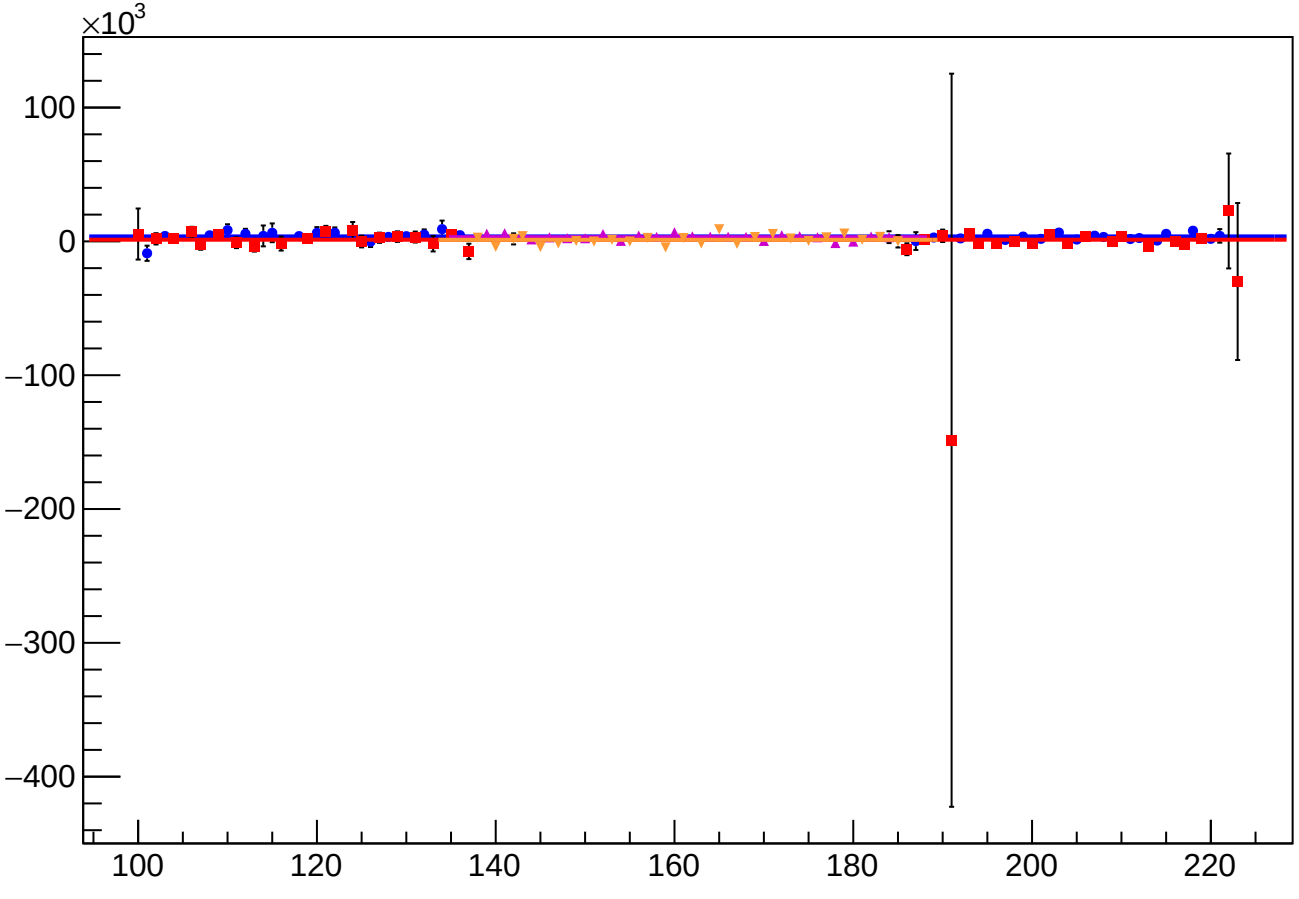
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 2001.440+/-0.408 χ^2/NDF: 63905543.5/72

In: 3619.138+/-0.626 χ^2/NDF:46229546.3/56

Out: 2509.551+/-0.478 χ^2/NDF:55338981.1/63

All: 2918.009+/-0.380 χ^2/NDF: 103553992.8



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

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

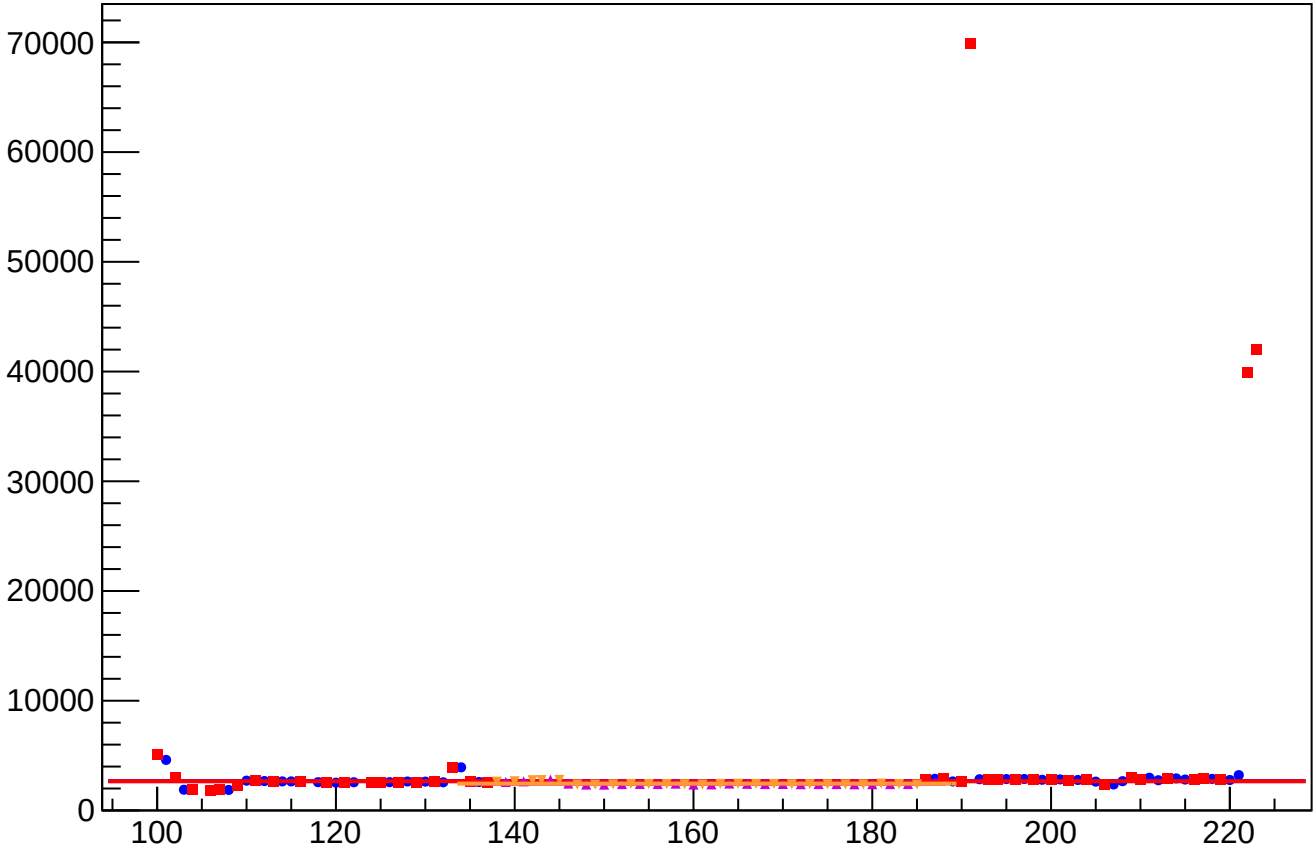
Right: 2483.509+/-412.178 χ^2/NDF: 59.9/72

In: 3423.361+/-407.224 χ^2/NDF:30.4/56

Out: 1219.533+/-402.447 χ^2/NDF:64.8/63

All: 2308.447+/-286.247 χ^2/NDF: 110.1/120

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



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

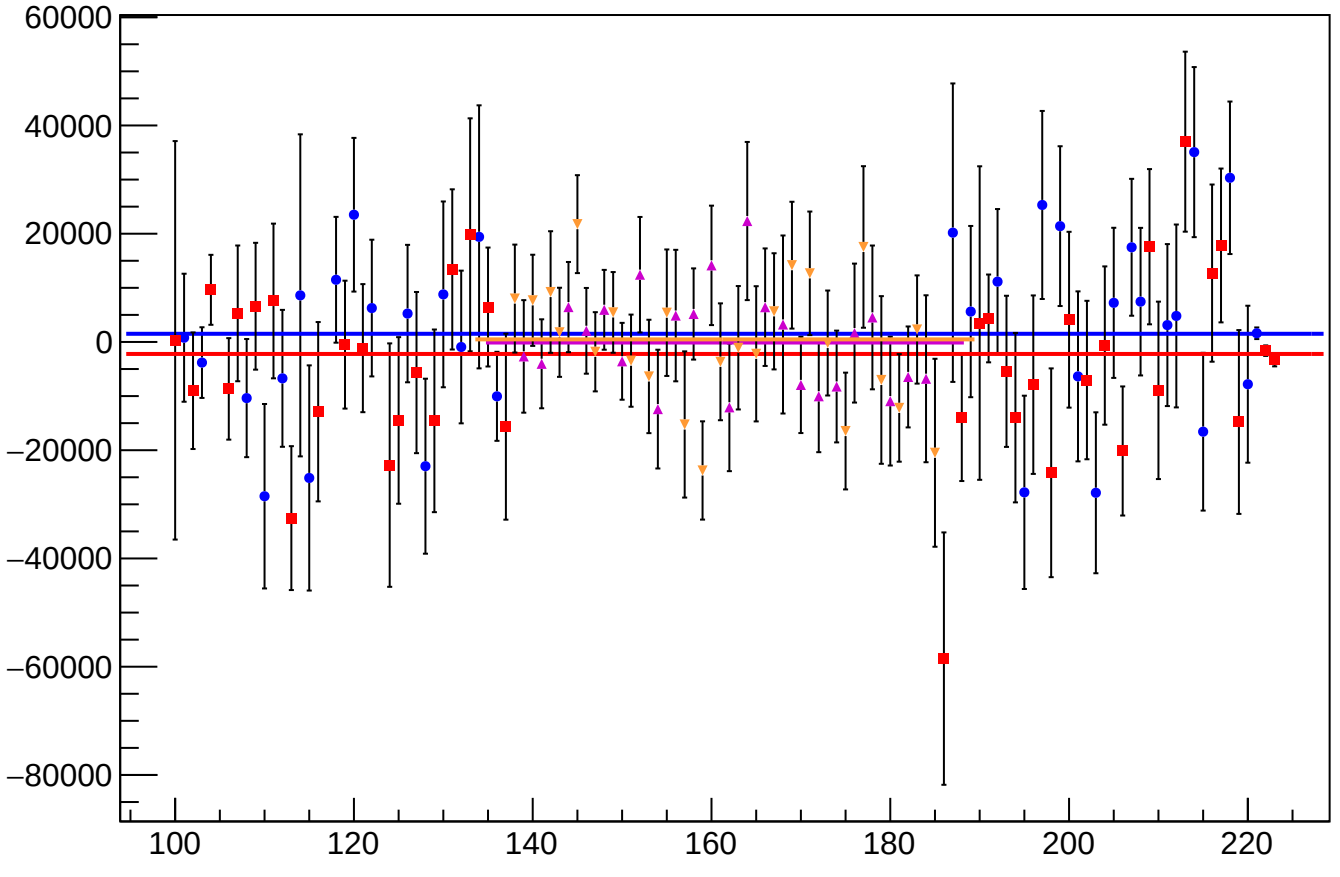
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2670.106+/-0.291 χ^2/NDF: 4059288.1/72

In: 2552.517+/-0.288 χ^2/NDF:1038869.5/56

Out: 2550.501+/-0.285 χ^2/NDF:3489802.4/63

All: 2551.497+/-0.202 χ^2/NDF: 4528696.7/12



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

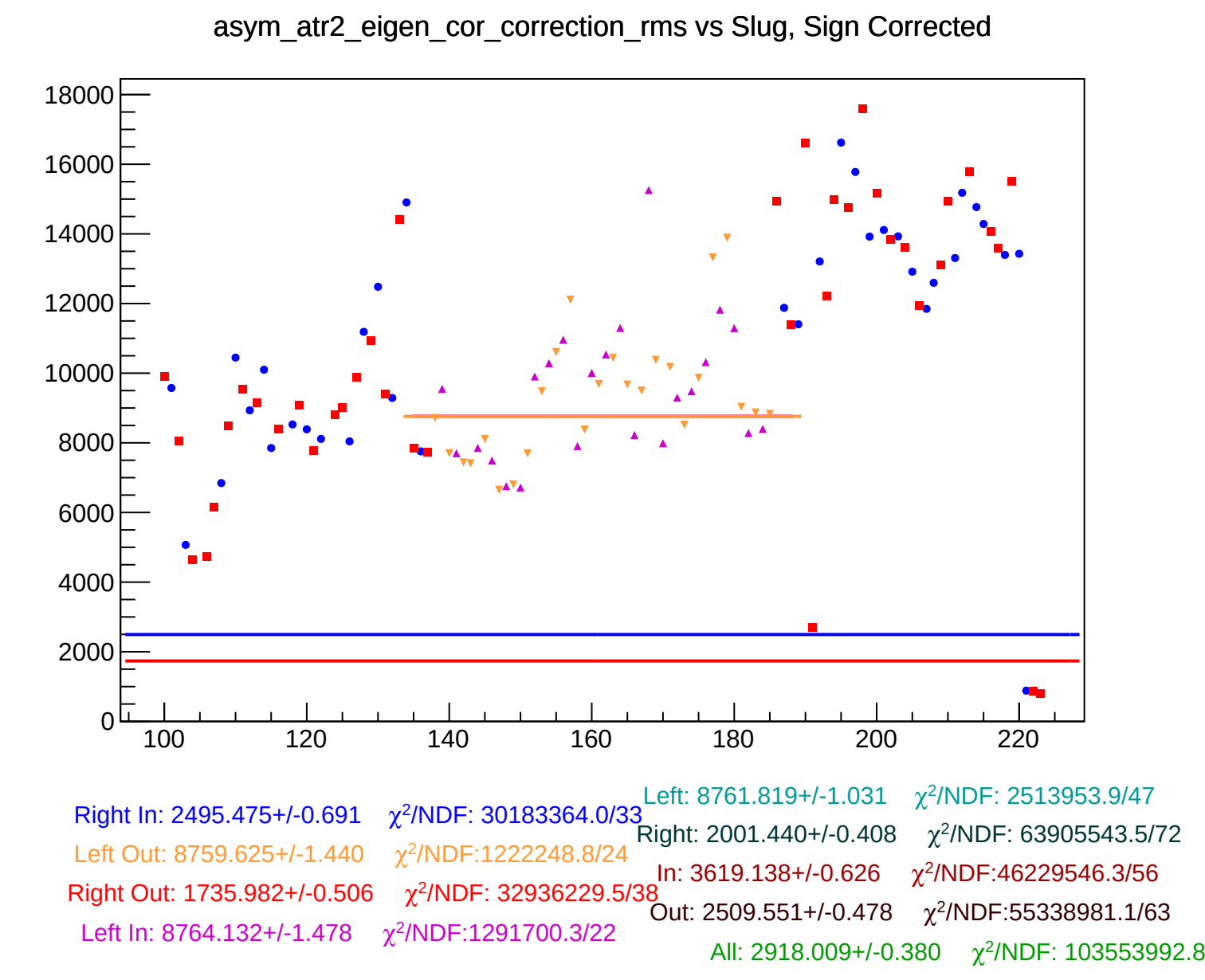
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -913.471+/-577.689 χ^2/NDF: 90.3/72

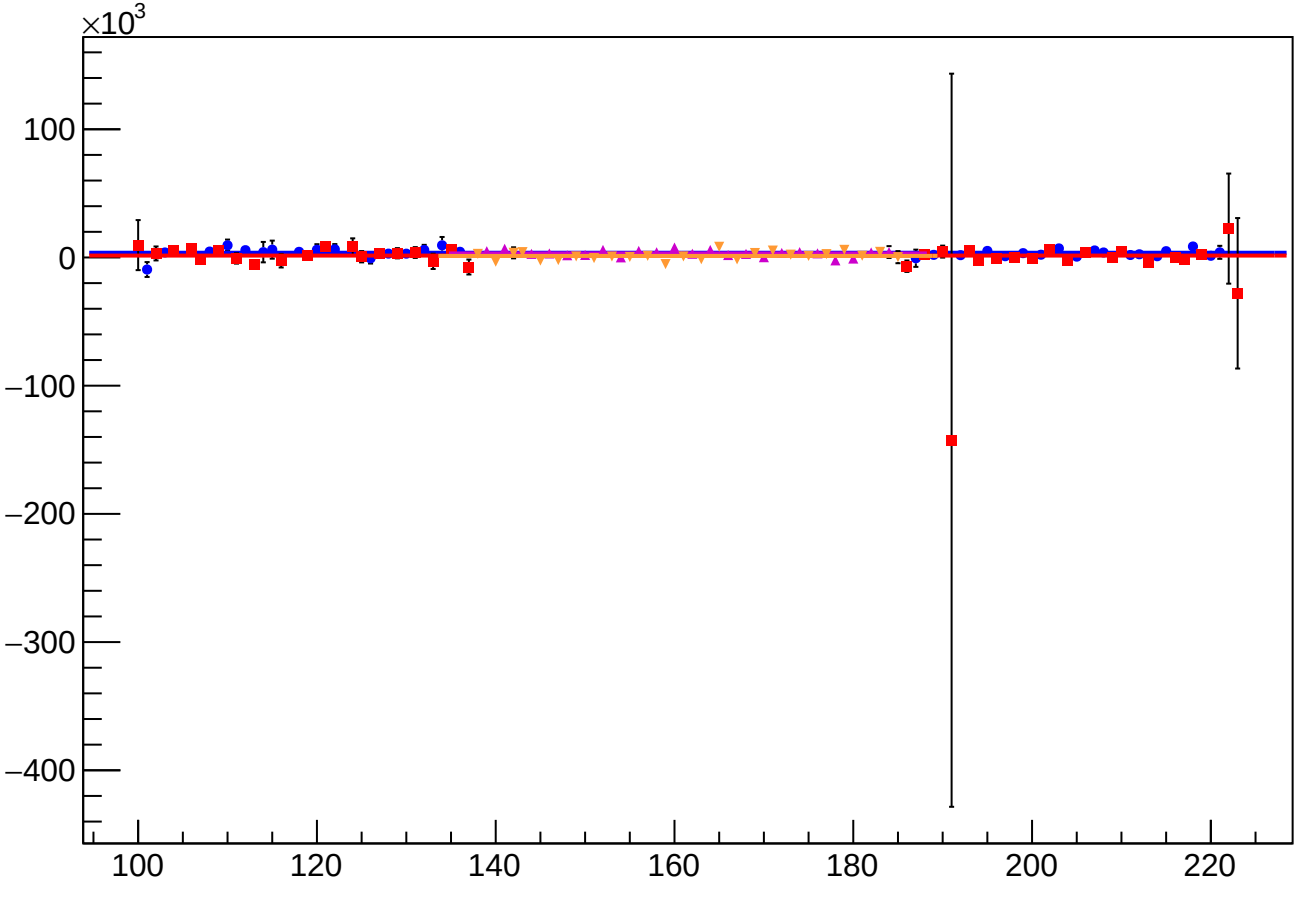
In: 1220.540+/-885.245 χ^2/NDF:54.7/56

Out: -1919.101+/-675.677 χ^2/NDF:70.0/63

All: -763.343+/-537.102 χ^2/NDF: 132.7/120


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
220
Right In: 2495.475+/-0.691 χ²/NDF: 30183364.0/33
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 1735.982+/-0.506 χ²/NDF: 32936229.5/38
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 2001.440+/-0.408 χ²/NDF: 63905543.5/72
In: 3619.138+/-0.626 χ²/NDF:46229546.3/56
Out: 2509.551+/-0.478 χ²/NDF:55338981.1/63
All: 2918.009+/-0.380 χ²/NDF: 103553992.8

dit_asym_atr2_mean vs Slug, Sign Corrected



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

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

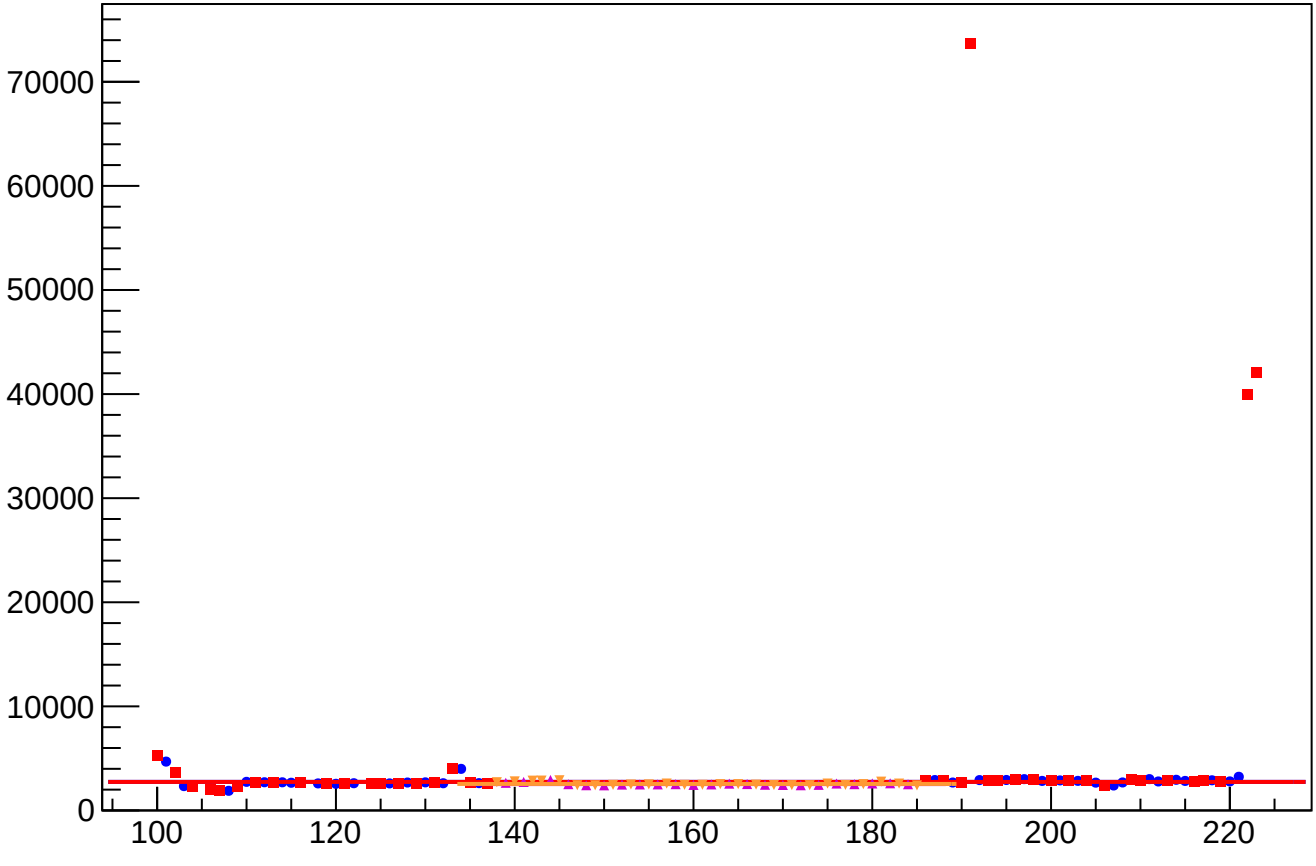
Right: 2592.307+/-423.080 χ^2/NDF: 64.6/72

In: 3420.803+/-420.455 χ^2/NDF:36.8/56

Out: 1342.403+/-416.737 χ^2/NDF:64.7/63

All: 2372.371+/-295.983 χ^2/NDF: 113.9/120

dit_asym_atr2_rms vs Slug, Sign Corrected



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

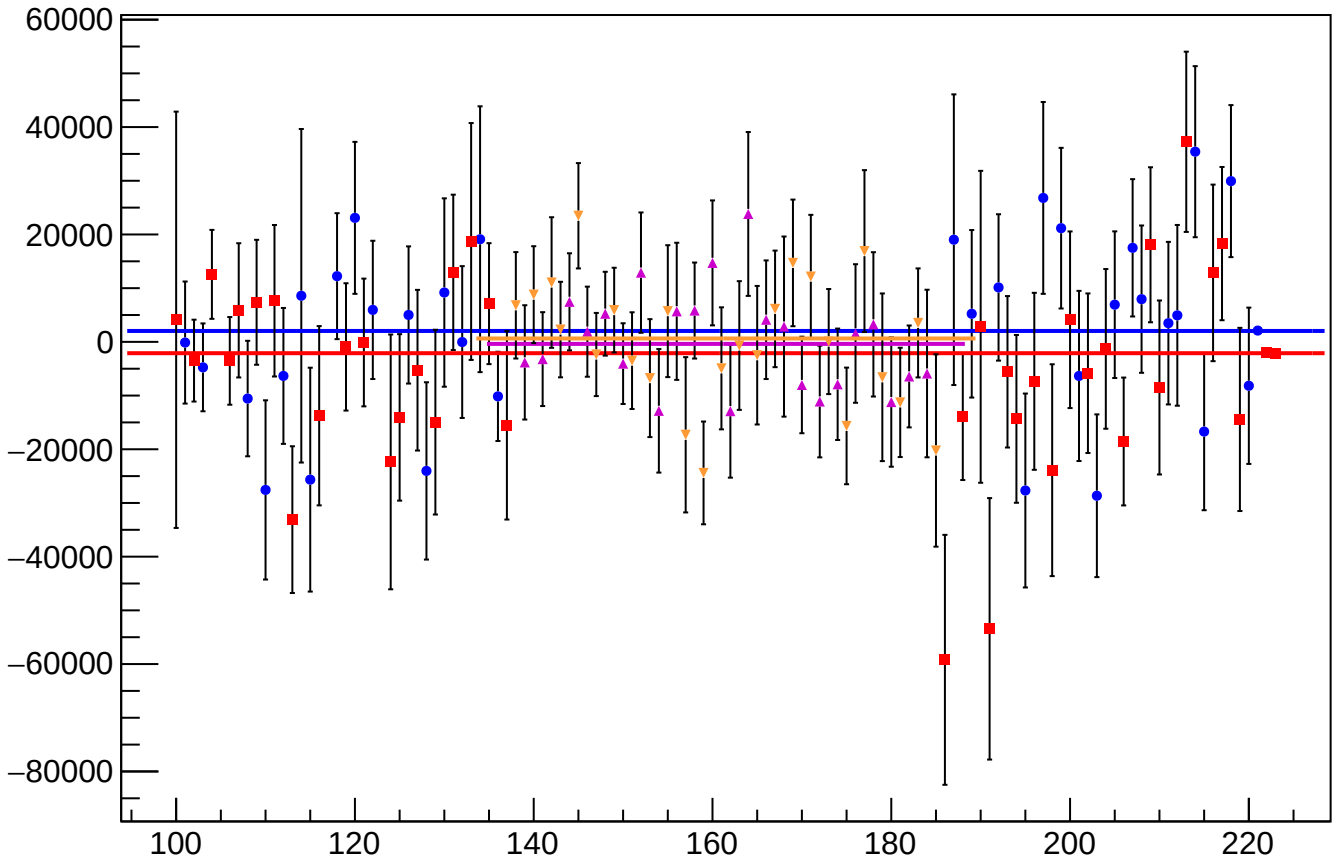
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2743.407+/-0.299 χ^2/NDF: 3762782.8/72

In: 2638.236+/-0.297 χ^2/NDF:836079.7/56

Out: 2640.986+/-0.295 χ^2/NDF:3348794.2/63

All: 2639.624+/-0.209 χ^2/NDF: 4184917.1/12



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

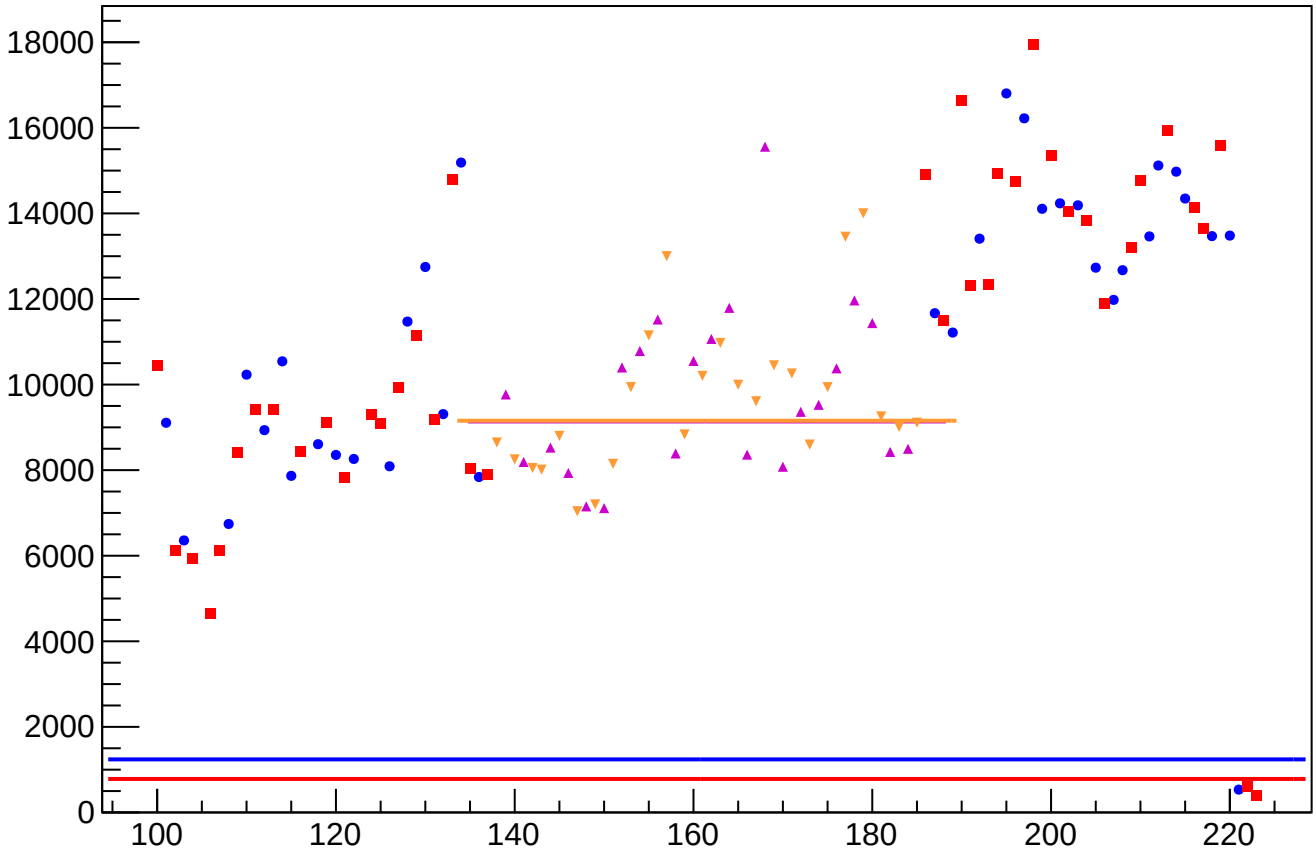
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -908.085+/-344.935 χ^2/NDF: 111.7/72

In: 1839.209+/-614.332 χ^2/NDF:55.0/56

Out: -2011.180+/-401.998 χ^2/NDF:70.7/63

All: -856.775+/-336.380 χ^2/NDF: 153.1/120



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

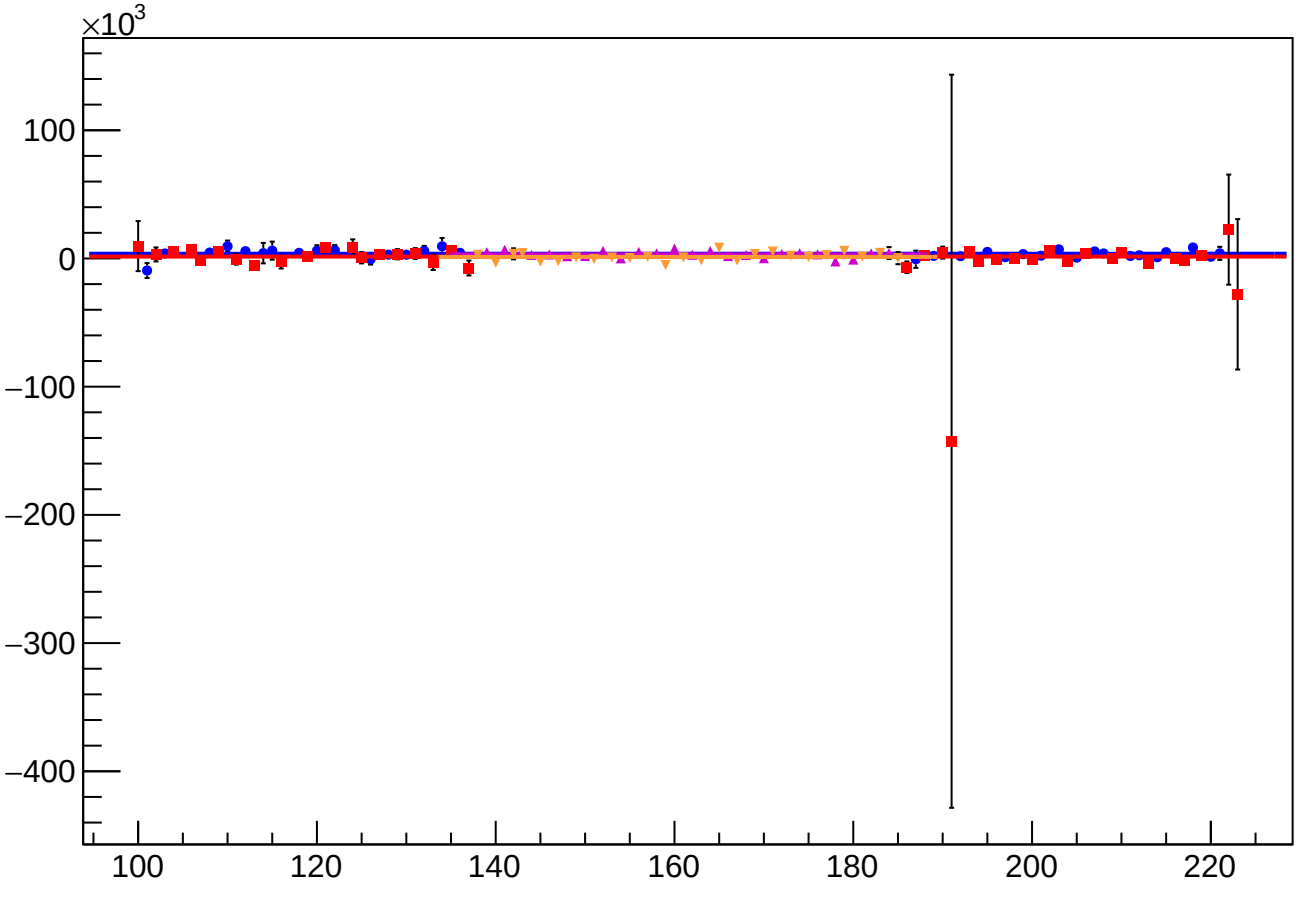
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 915.696+/-0.244 χ^2/NDF: 74601575.9/72

In: 1869.673+/-0.434 χ^2/NDF:61042513.7/56

Out: 1083.107+/-0.284 χ^2/NDF:69297105.0/63

All: 1318.931+/-0.238 χ^2/NDF: 132635273.8



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

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

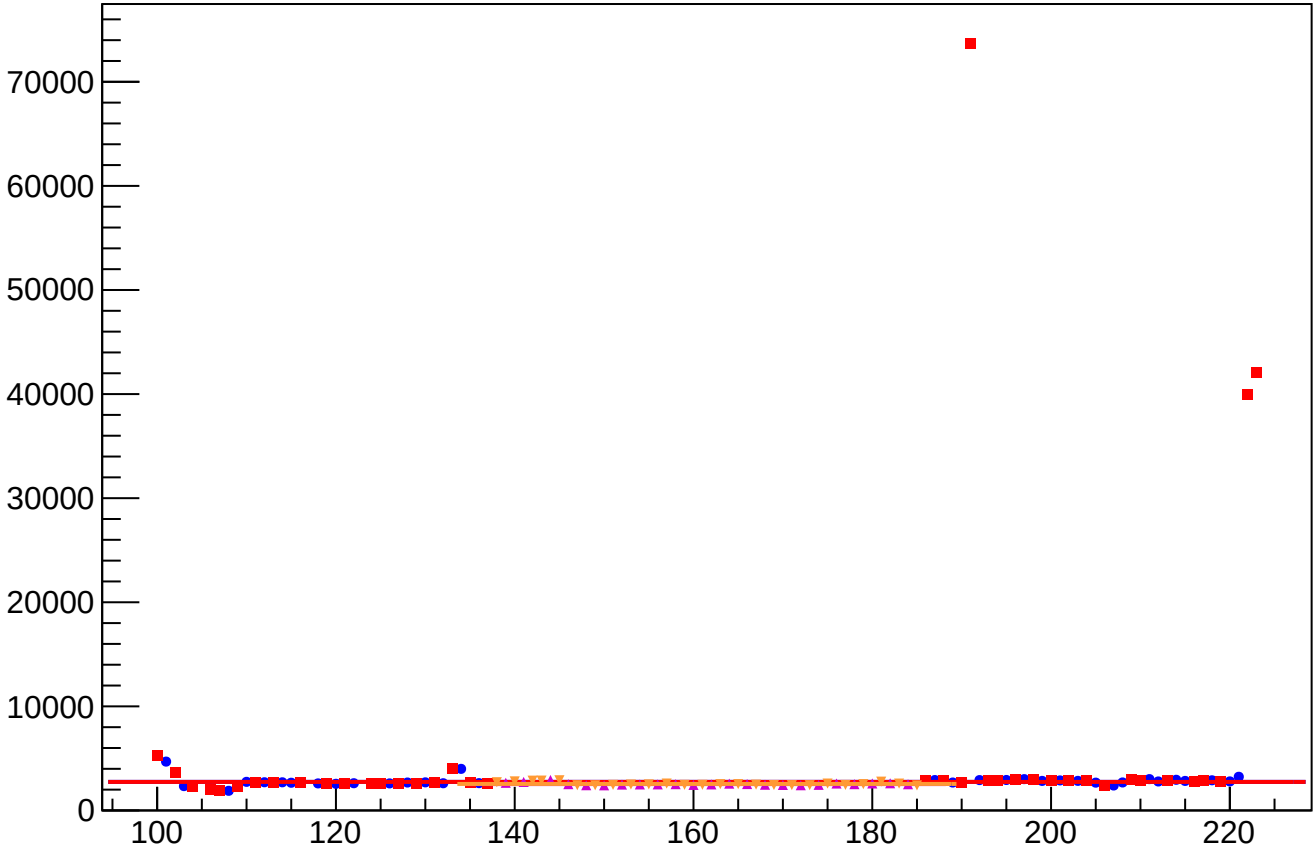
Right: 2592.303+/-423.080 χ^2/NDF: 64.6/72

In: 3420.797+/-420.455 χ^2/NDF:36.8/56

Out: 1342.399+/-416.737 χ^2/NDF:64.7/63

All: 2372.366+/-295.983 χ^2/NDF: 113.9/120

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



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

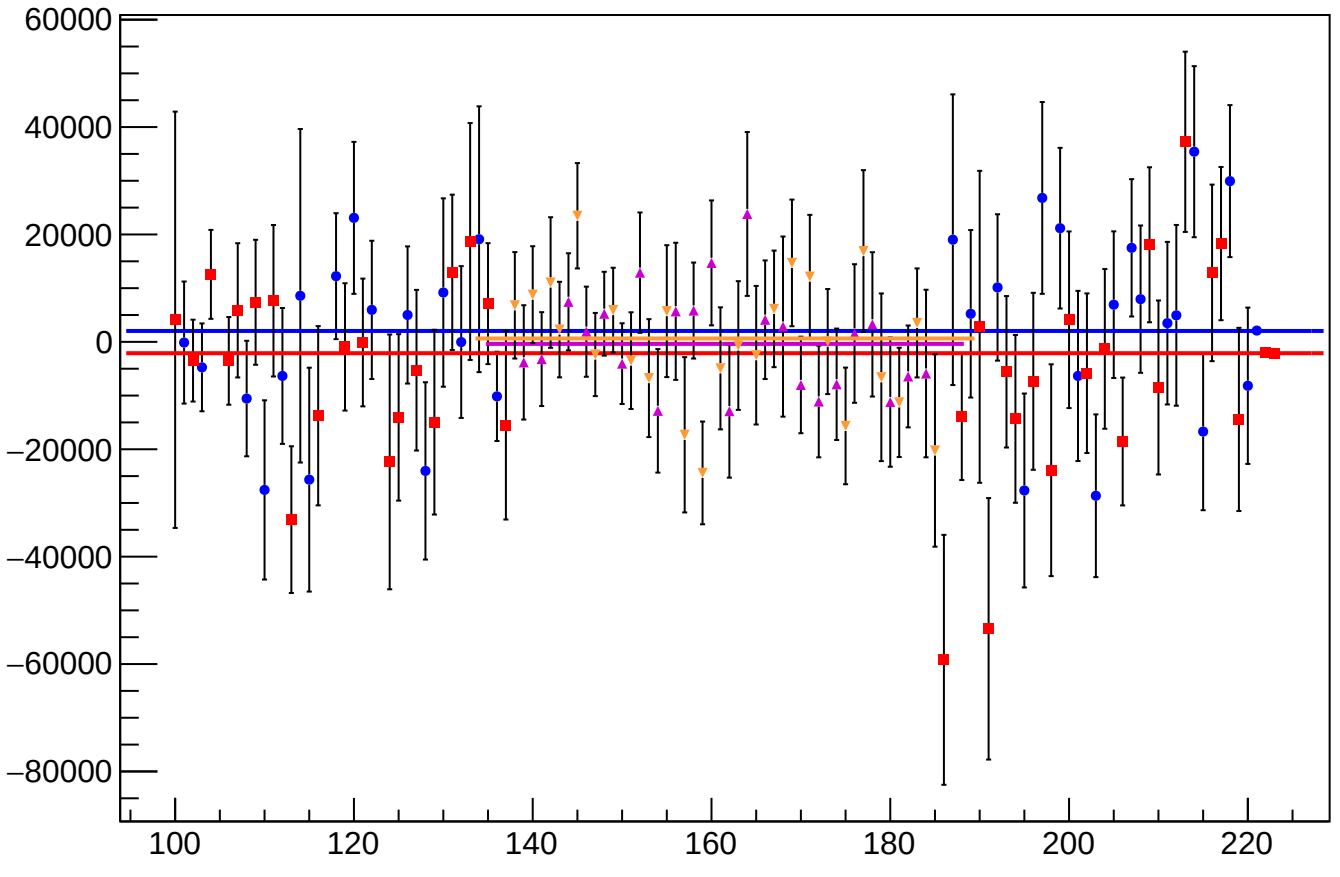
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2743.407+/-0.299 χ^2/NDF: 3762783.6/72

In: 2638.237+/-0.297 χ^2/NDF:836077.7/56

Out: 2640.987+/-0.295 χ^2/NDF:3348792.3/63

All: 2639.624+/-0.209 χ^2/NDF: 4184913.1/12



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

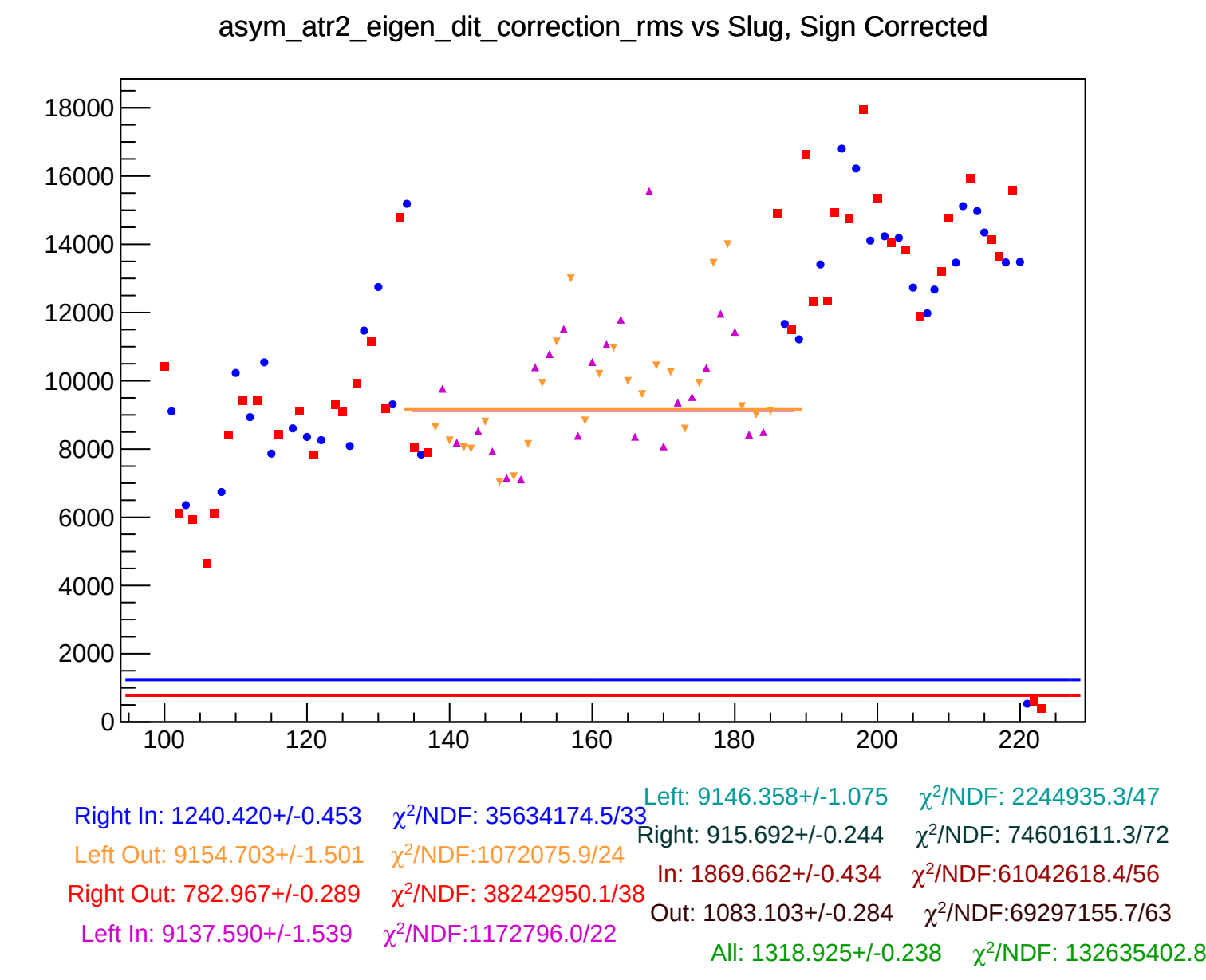
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -908.080+/-344.934 χ^2/NDF: 111.7/72

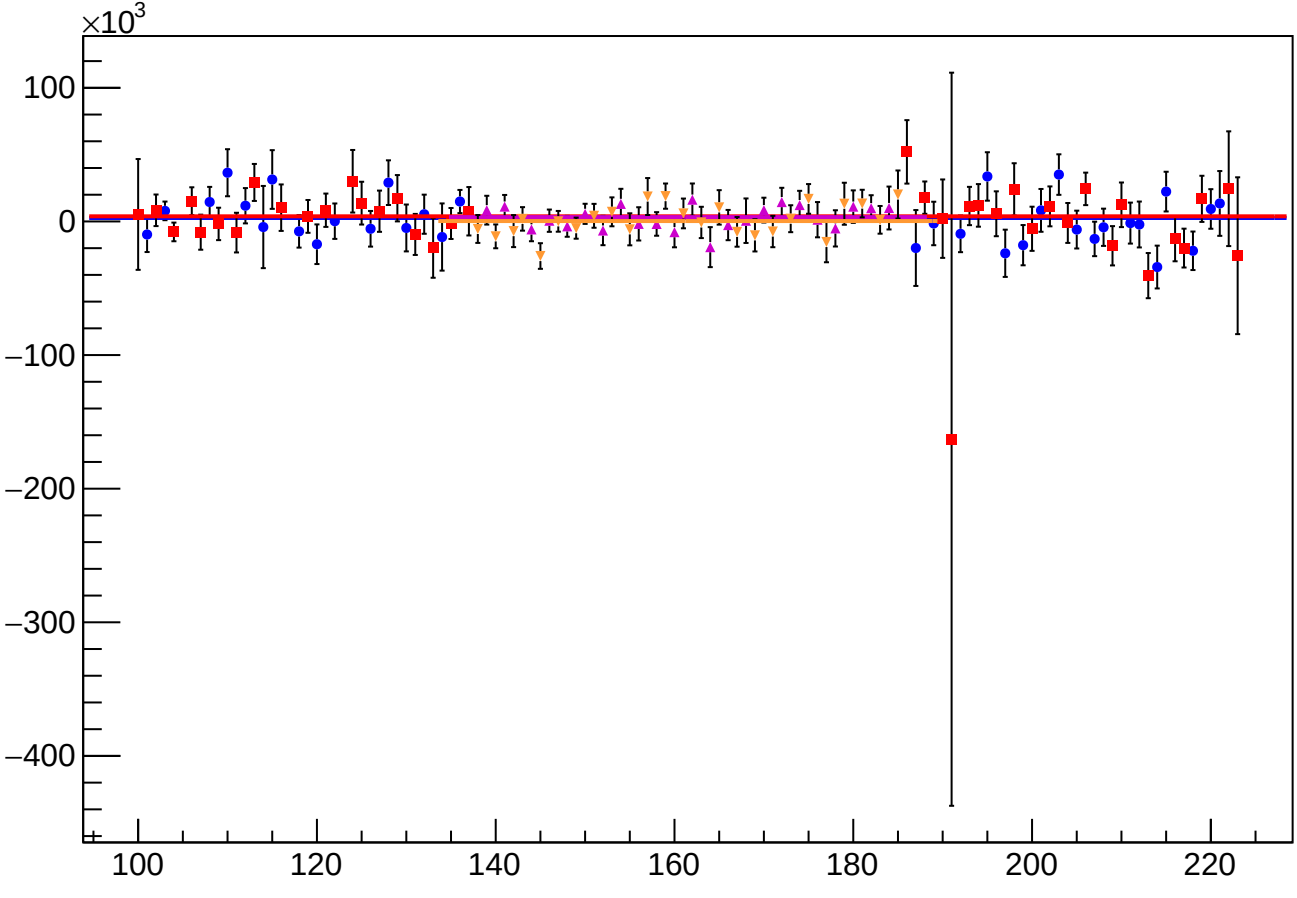
In: 1839.204+/-614.330 χ^2/NDF:55.0/56

Out: -2011.174+/-401.997 χ^2/NDF:70.7/63

All: -856.772+/-336.379 χ^2/NDF: 153.1/120


asym_atr2_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
220
Right In: 1240.420+/-0.453 χ²/NDF: 35634174.5/33
Left Out: 9154.703+/-1.501 χ²/NDF:1072075.9/24
Right Out: 782.967+/-0.289 χ²/NDF: 38242950.1/38
Left In: 9137.590+/-1.539 χ²/NDF:1172796.0/22
Left: 9146.358+/-1.075 χ²/NDF: 2244935.3/47
Right: 915.692+/-0.244 χ²/NDF: 74601611.3/72
In: 1869.662+/-0.434 χ²/NDF:61042618.4/56
Out: 1083.103+/-0.284 χ²/NDF:69297155.7/63
All: 1318.925+/-0.238 χ²/NDF: 132635402.8

asym_atr2_mean vs Slug, Sign Corrected



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

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

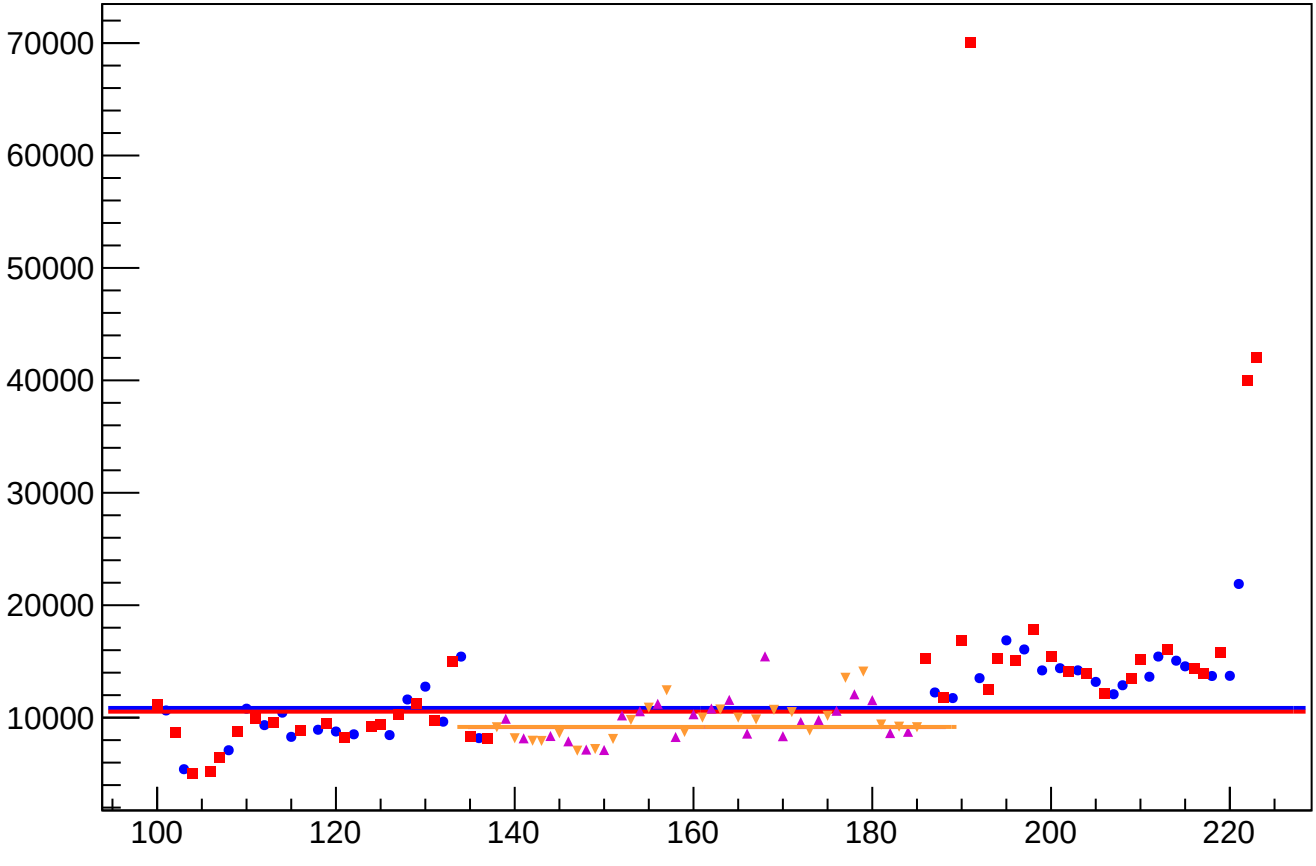
Right: 3234.484+/-1709.067 χ^2/NDF: 81.4/72

In: 2956.048+/-1625.973 χ^2/NDF:55.7/56

Out: 1856.565+/-1589.229 χ^2/NDF:66.7/63

All: 2393.743+/-1136.523 χ^2/NDF: 122.6/120

asym_atr2_rms vs Slug, Sign Corrected



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

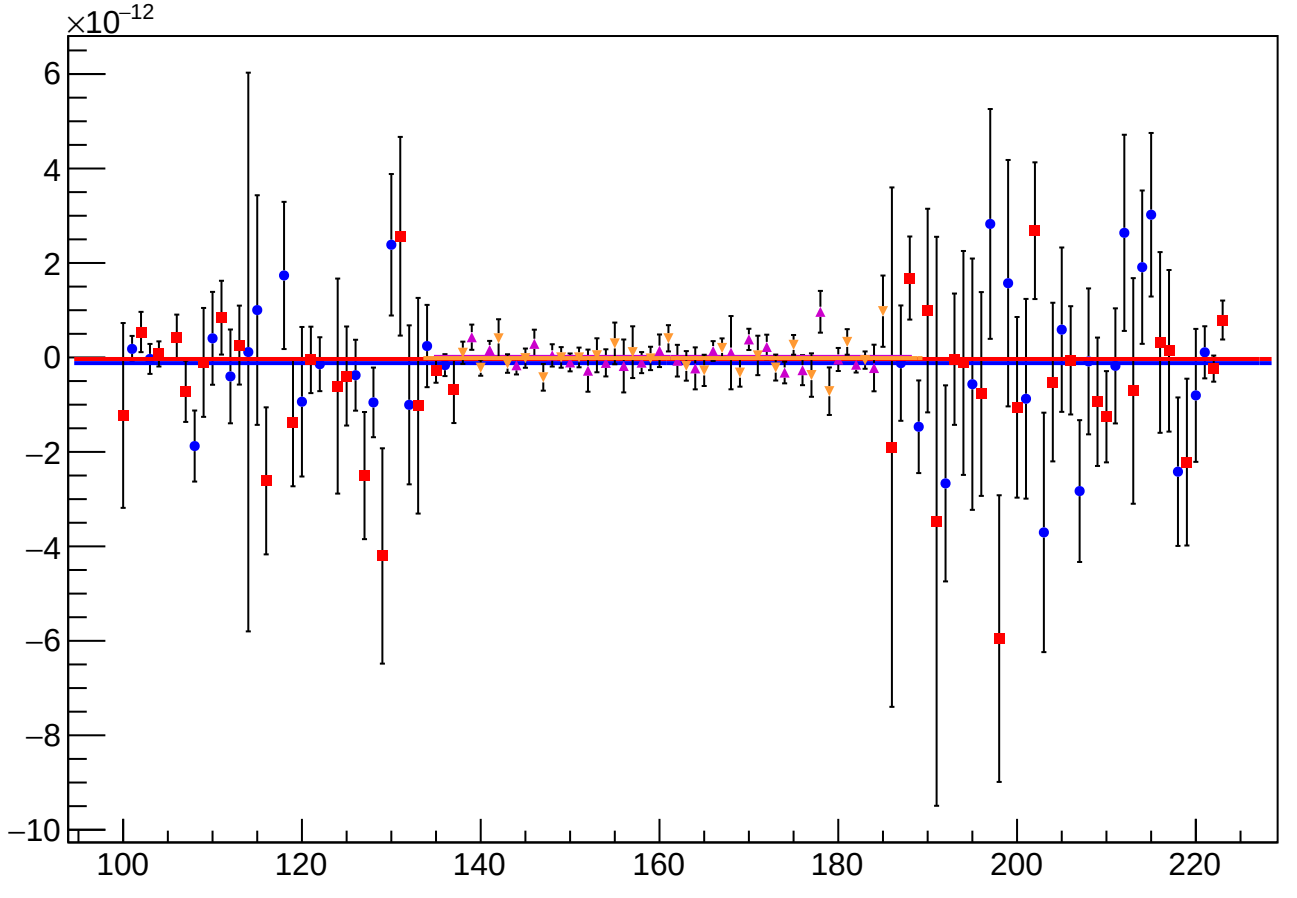
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10693.865+/-1.208 χ^2/NDF: 10102034.6/72

In: 9916.093+/-1.150 χ^2/NDF:5602725.5/56

Out: 9772.404+/-1.124 χ^2/NDF:7565426.1/63

All: 9842.606+/-0.804 χ^2/NDF: 13176139.7/1



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

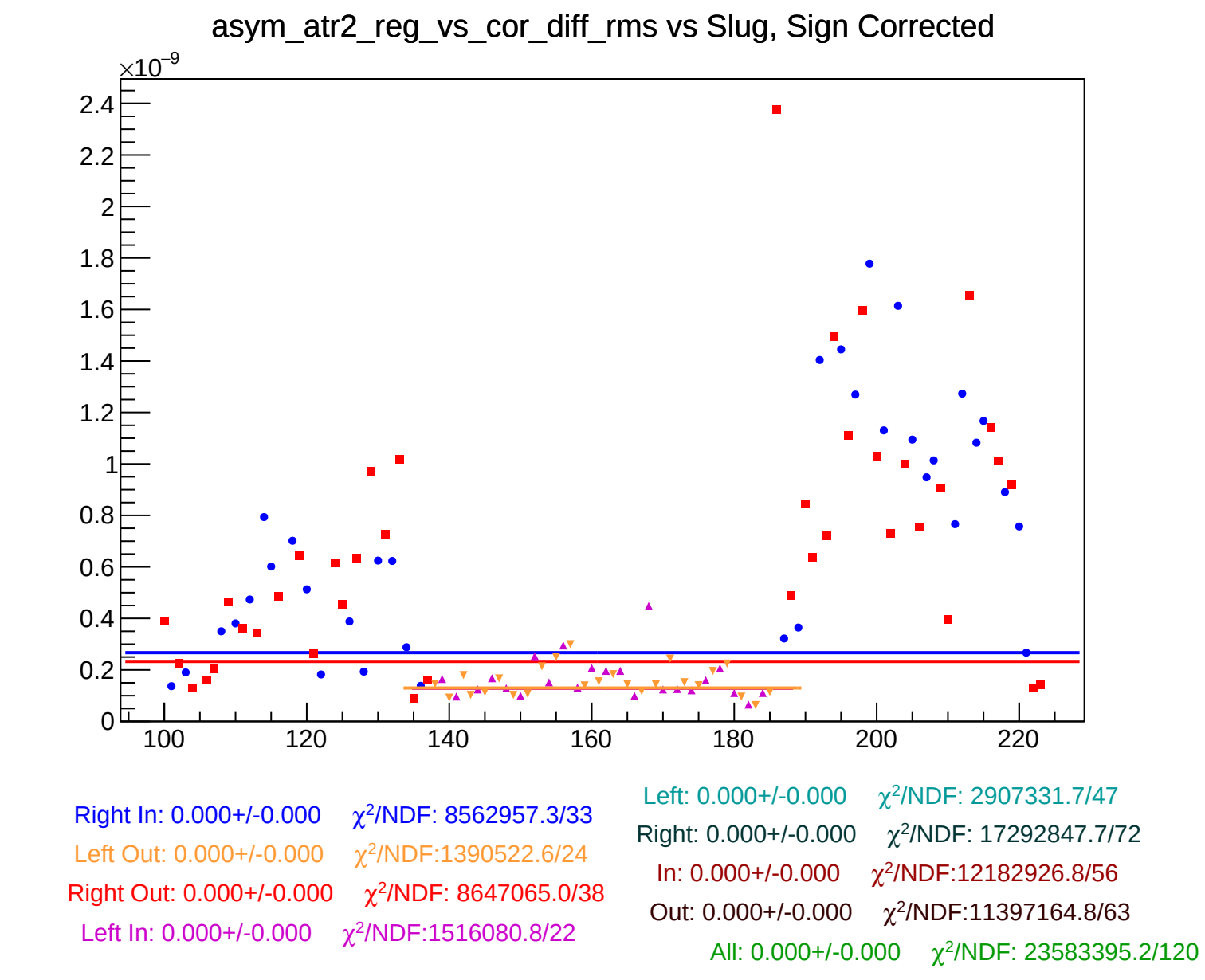
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

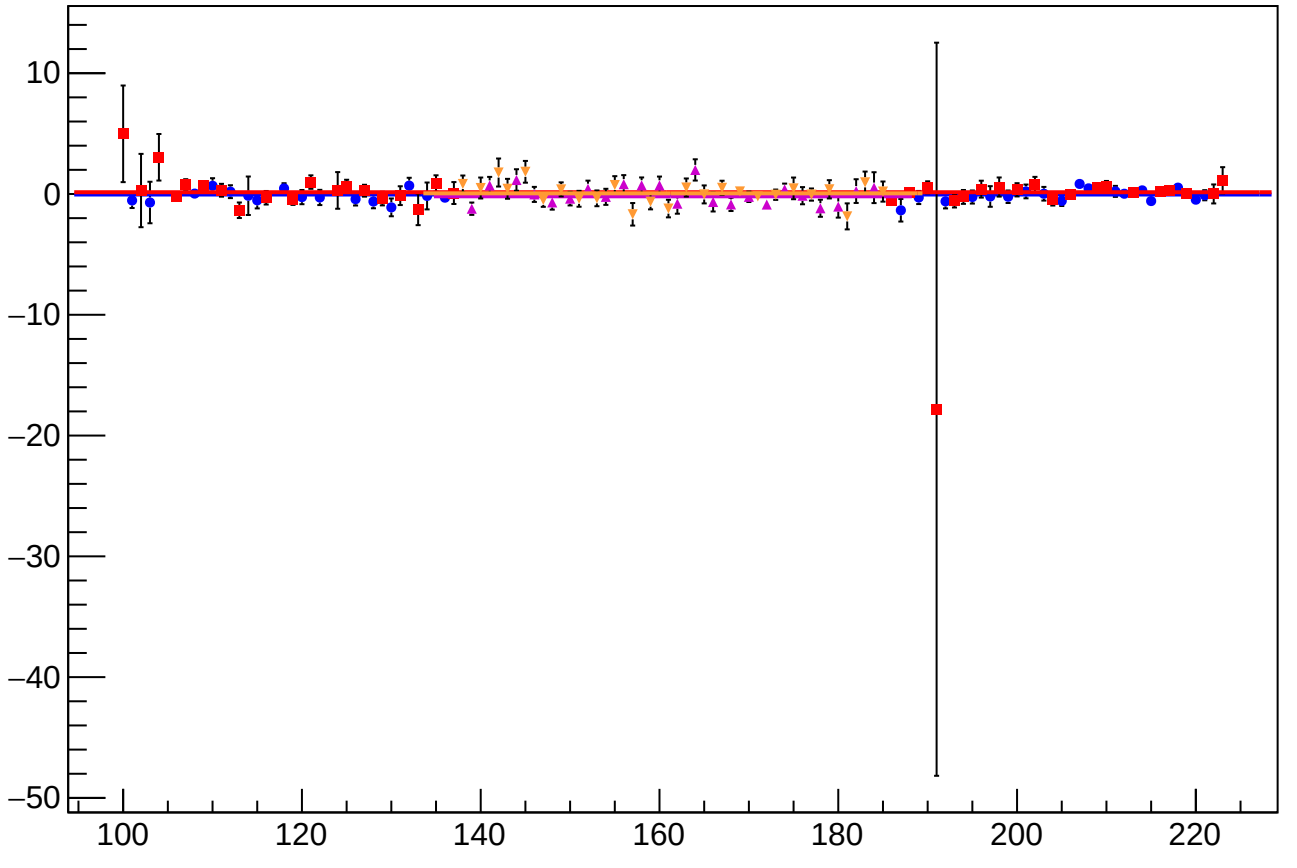
Right: -0.000+/-0.000 χ^2/NDF: 74.2/72

In: -0.000+/-0.000 χ^2/NDF:53.8/56

Out: -0.000+/-0.000 χ^2/NDF:59.6/63

All: -0.000+/-0.000 χ^2/NDF: 113.4/120


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8562957.3/33
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 8647065.0/38
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 17292847.7/72
In: 0.000+/-0.000 χ²/NDF:12182926.8/56
Out: 0.000+/-0.000 χ²/NDF:11397164.8/63
All: 0.000+/-0.000 χ²/NDF: 23583395.2/120



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

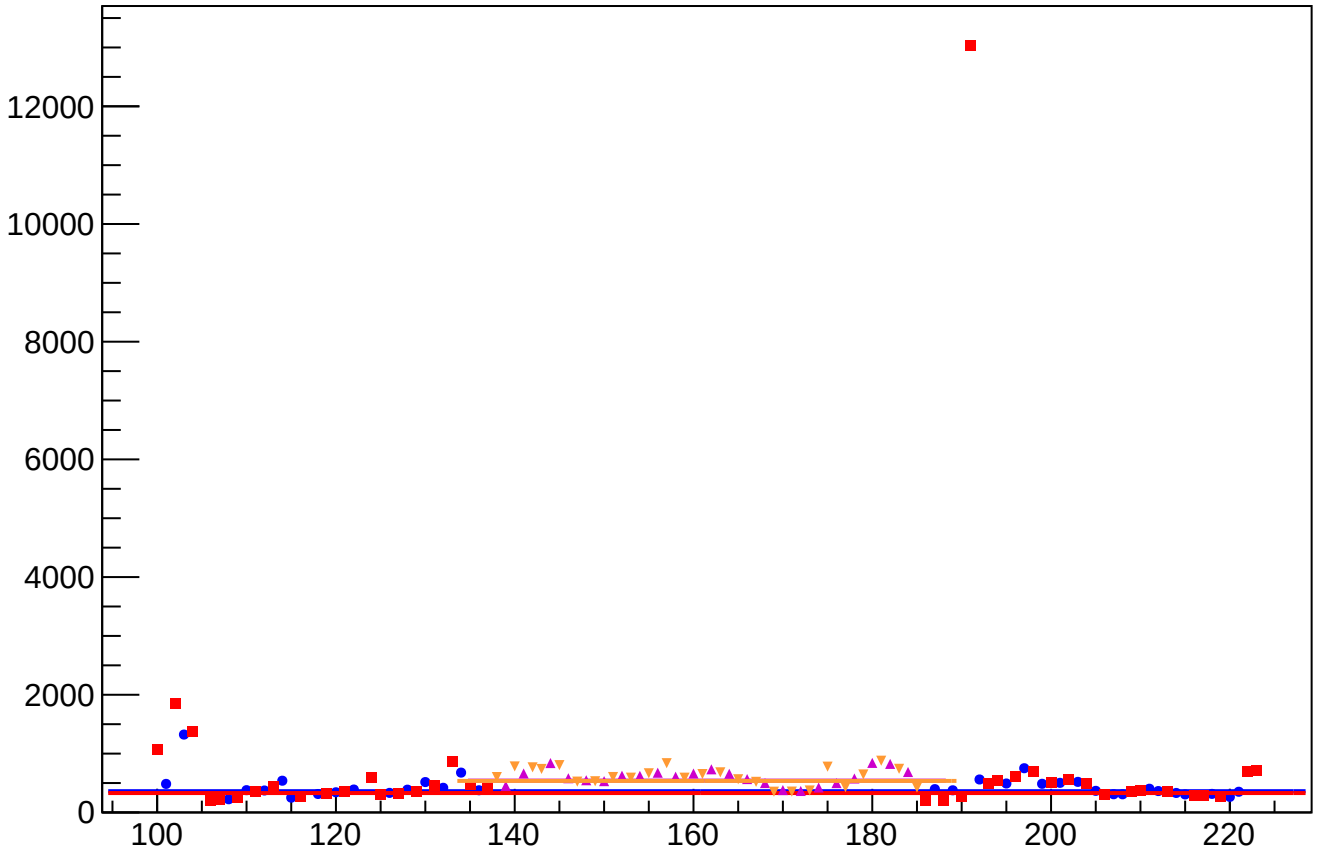
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.057+/-0.056 χ^2/NDF: 74.5/72

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.122+/-0.066 χ^2/NDF:63.4/63

All: 0.025+/-0.048 χ^2/NDF: 133.3/120



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

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

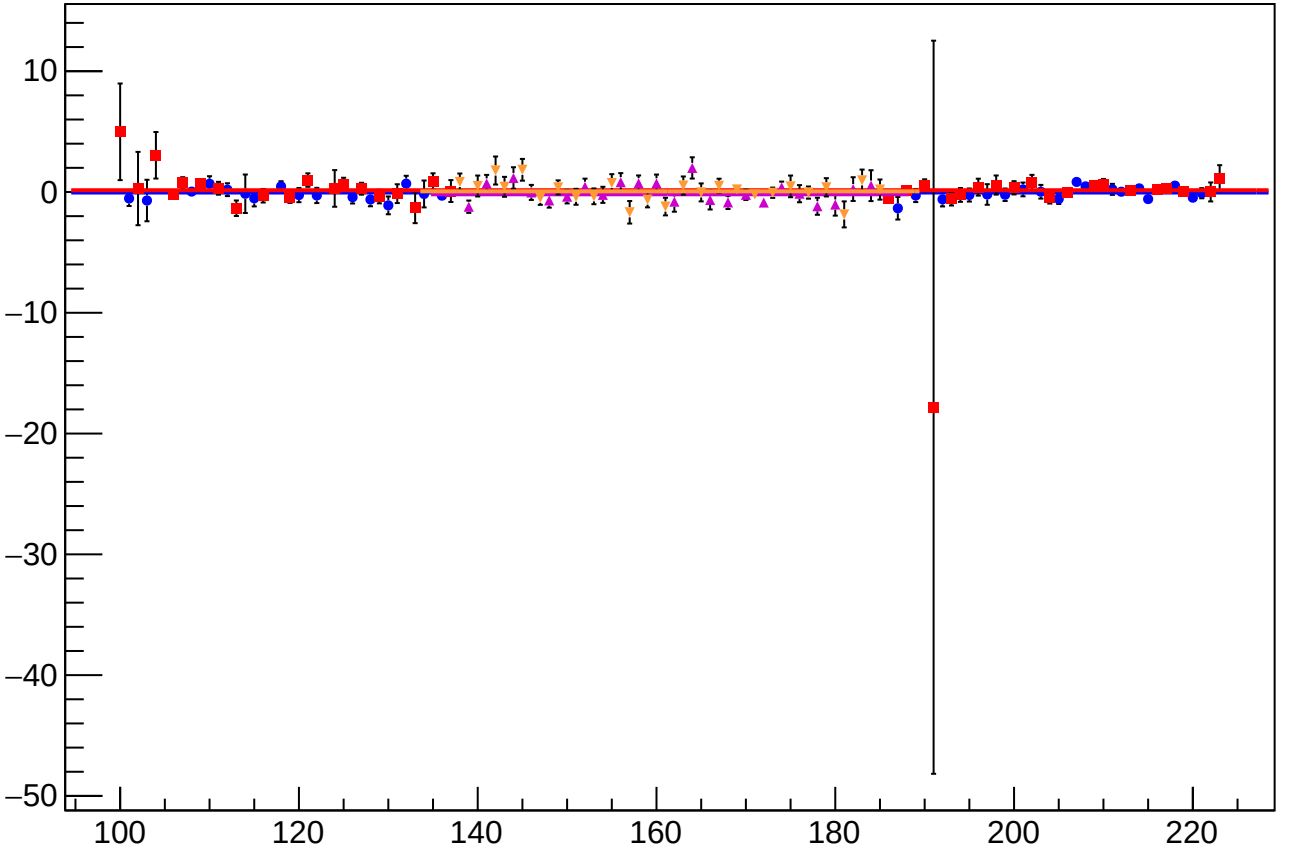
Right: 344.641+/-0.040 χ^2/NDF: 9519212.4/72

In: 410.955+/-0.049 χ^2/NDF:7524496.5/56

Out: 383.763+/-0.047 χ^2/NDF:12859373.4/63

All: 396.636+/-0.034 χ^2/NDF: 20543216.7/12

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

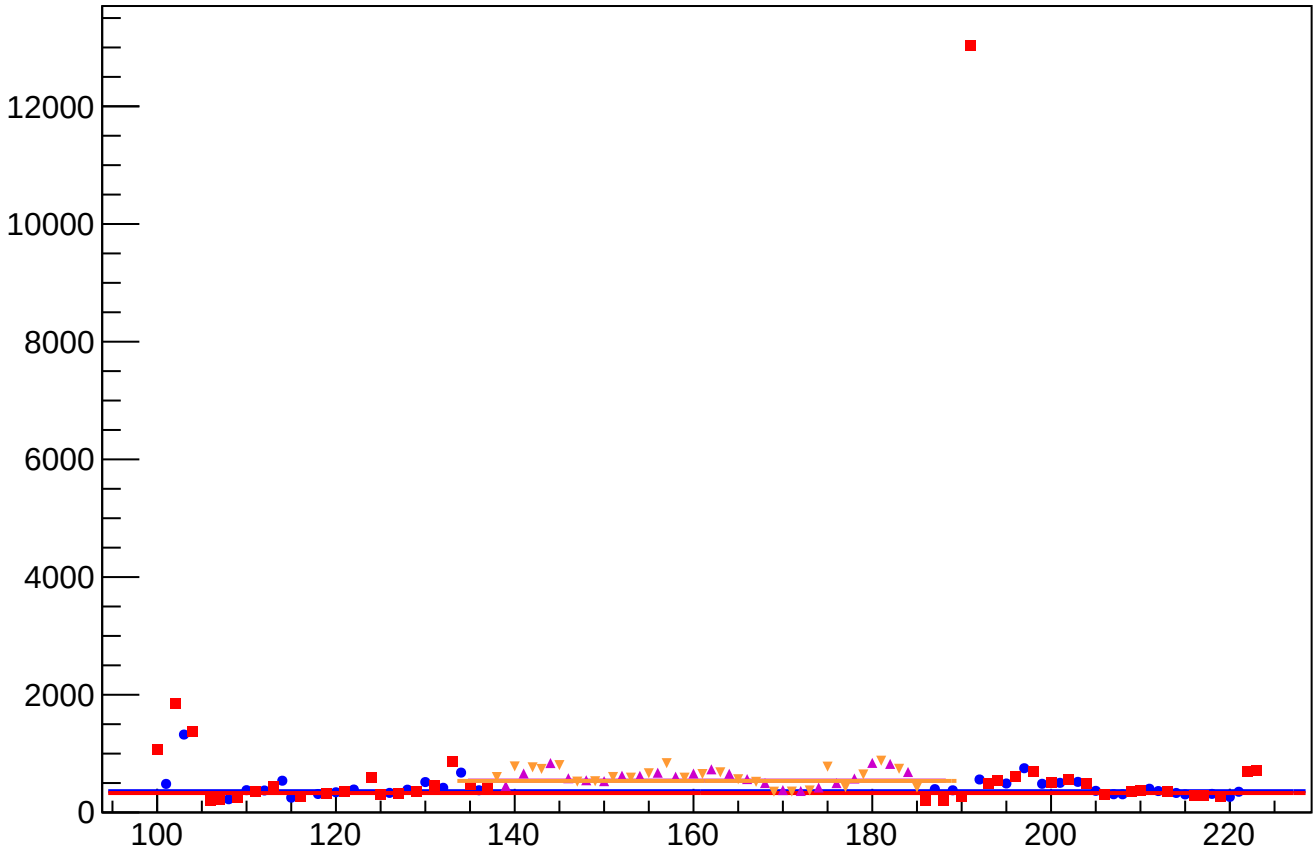
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.057+/-0.056 χ^2/NDF: 74.5/72

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.122+/-0.066 χ^2/NDF:63.4/63

All: 0.025+/-0.048 χ^2/NDF: 133.3/120



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

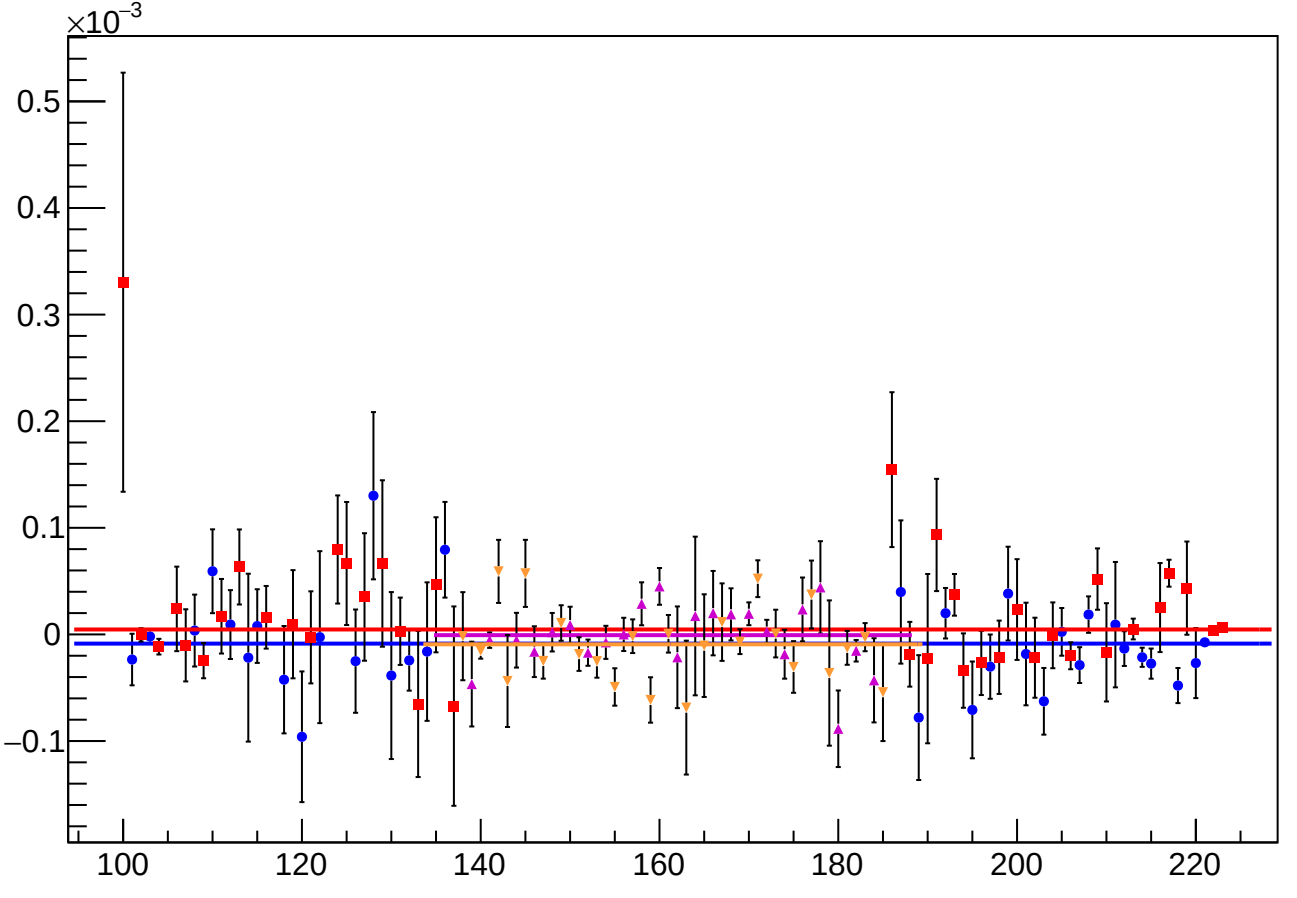
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 344.641+/-0.040 χ^2/NDF: 9519212.4/72

In: 410.955+/-0.049 χ^2/NDF:7524496.5/56

Out: 383.763+/-0.047 χ^2/NDF:12859373.4/63

All: 396.636+/-0.034 χ^2/NDF: 20543216.7/12



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

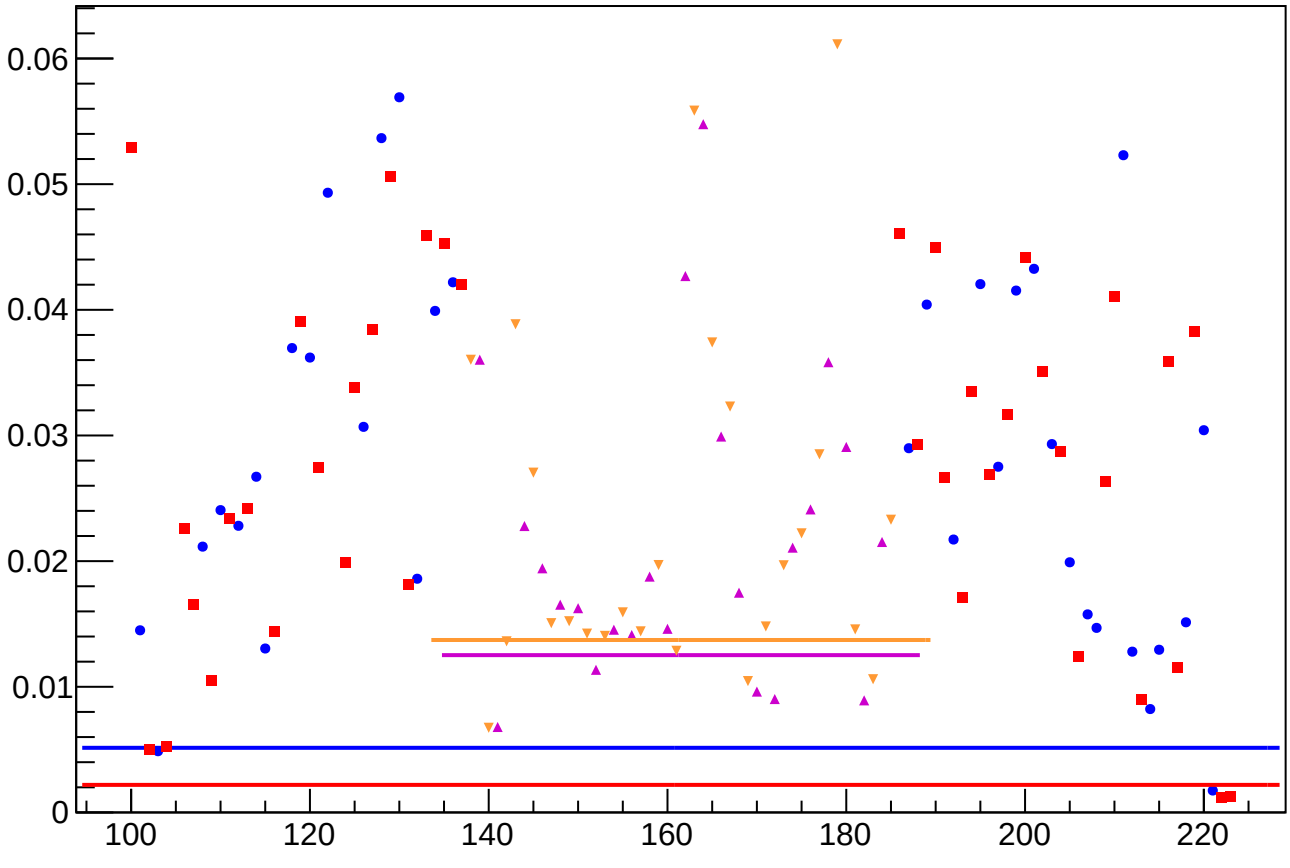
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: 0.000+/-0.000 χ^2/NDF: 136.9/72

In: -0.000+/-0.000 χ^2/NDF:73.6/56

Out: 0.000+/-0.000 χ^2/NDF:121.7/63

All: 0.000+/-0.000 χ^2/NDF: 221.4/120



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

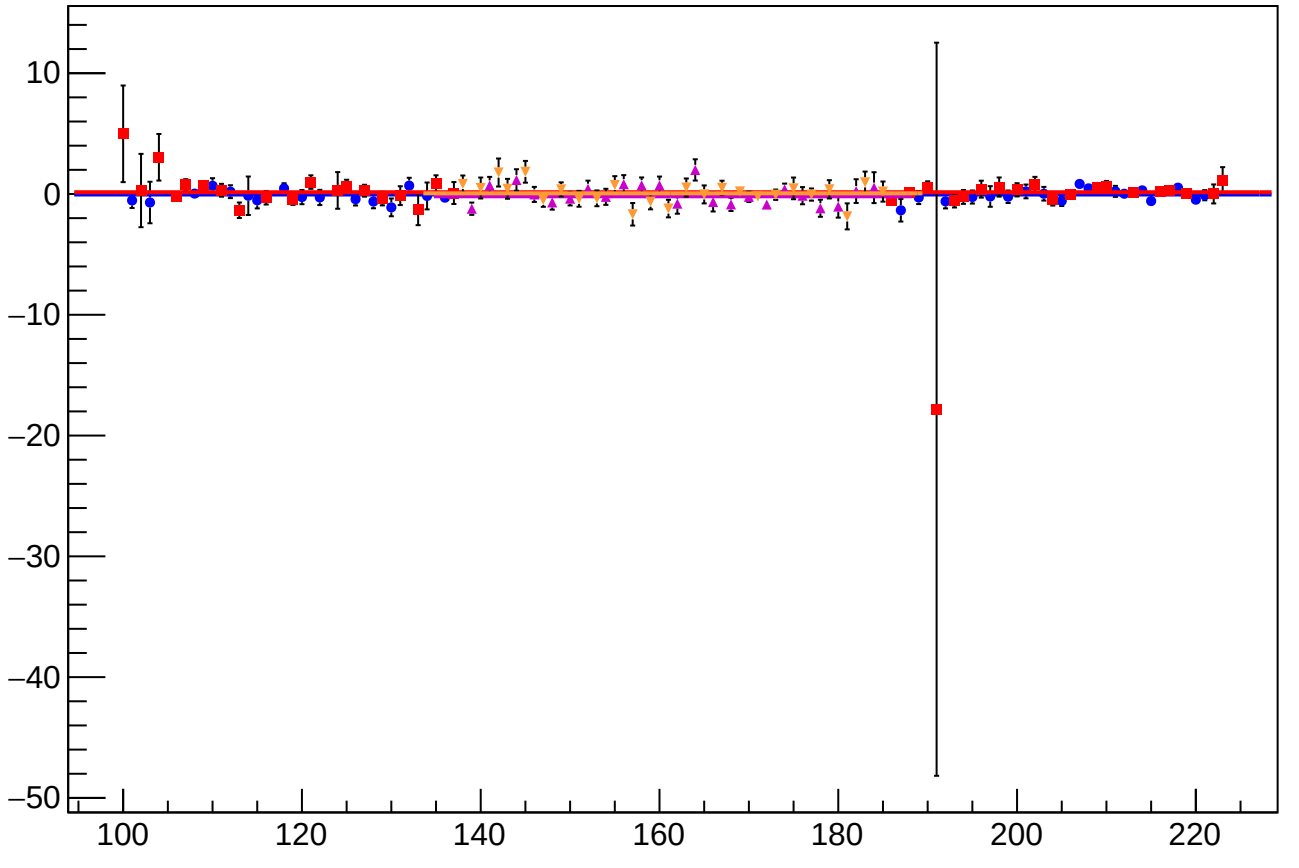
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.003+/-0.000 χ^2/NDF: 65939929.7/72

In: 0.007+/-0.000 χ^2/NDF:41527393.6/56

Out: 0.003+/-0.000 χ^2/NDF:61676663.5/63

All: 0.004+/-0.000 χ^2/NDF: 111098381.8/120



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

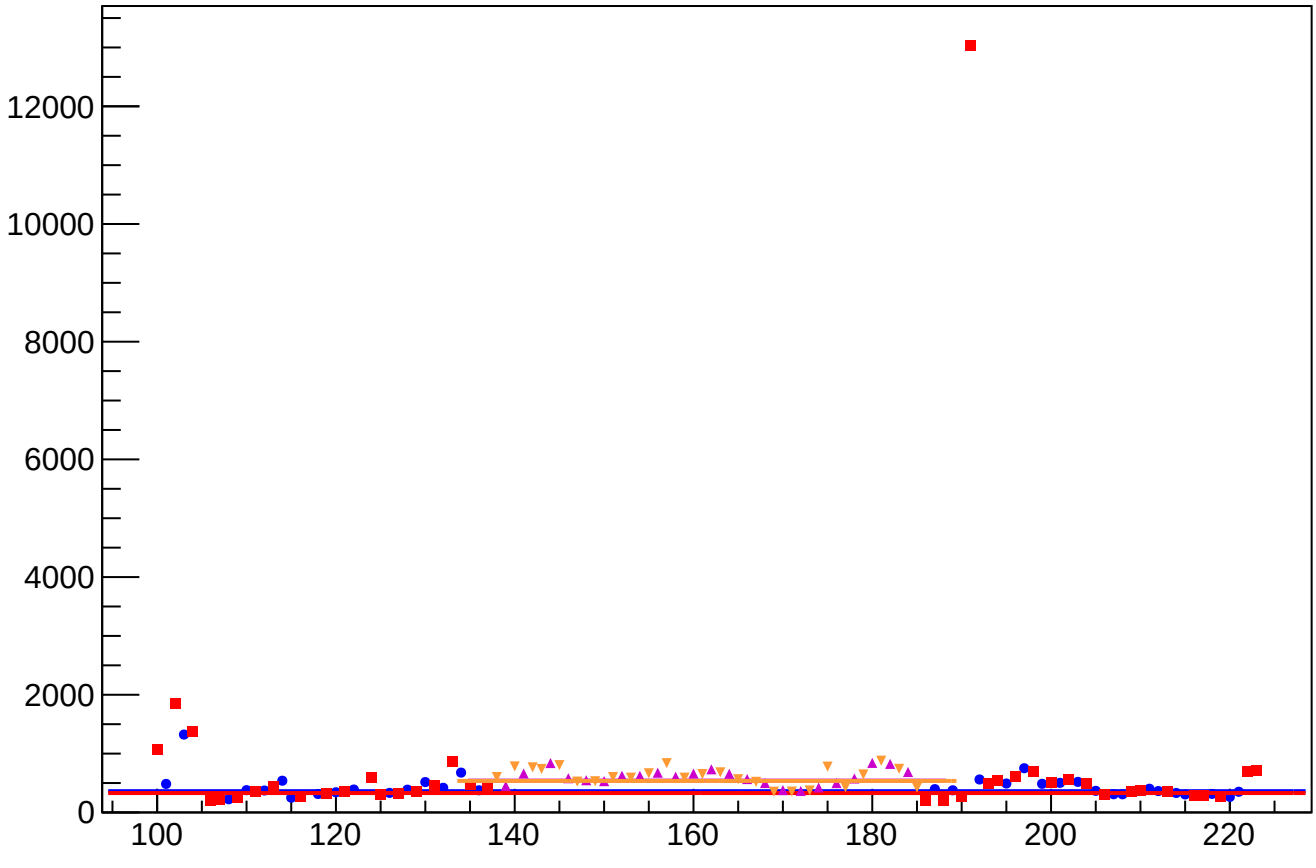
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.057+/-0.056 χ^2/NDF: 74.5/72

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.122+/-0.066 χ^2/NDF:63.4/63

All: 0.025+/-0.048 χ^2/NDF: 133.3/120



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

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

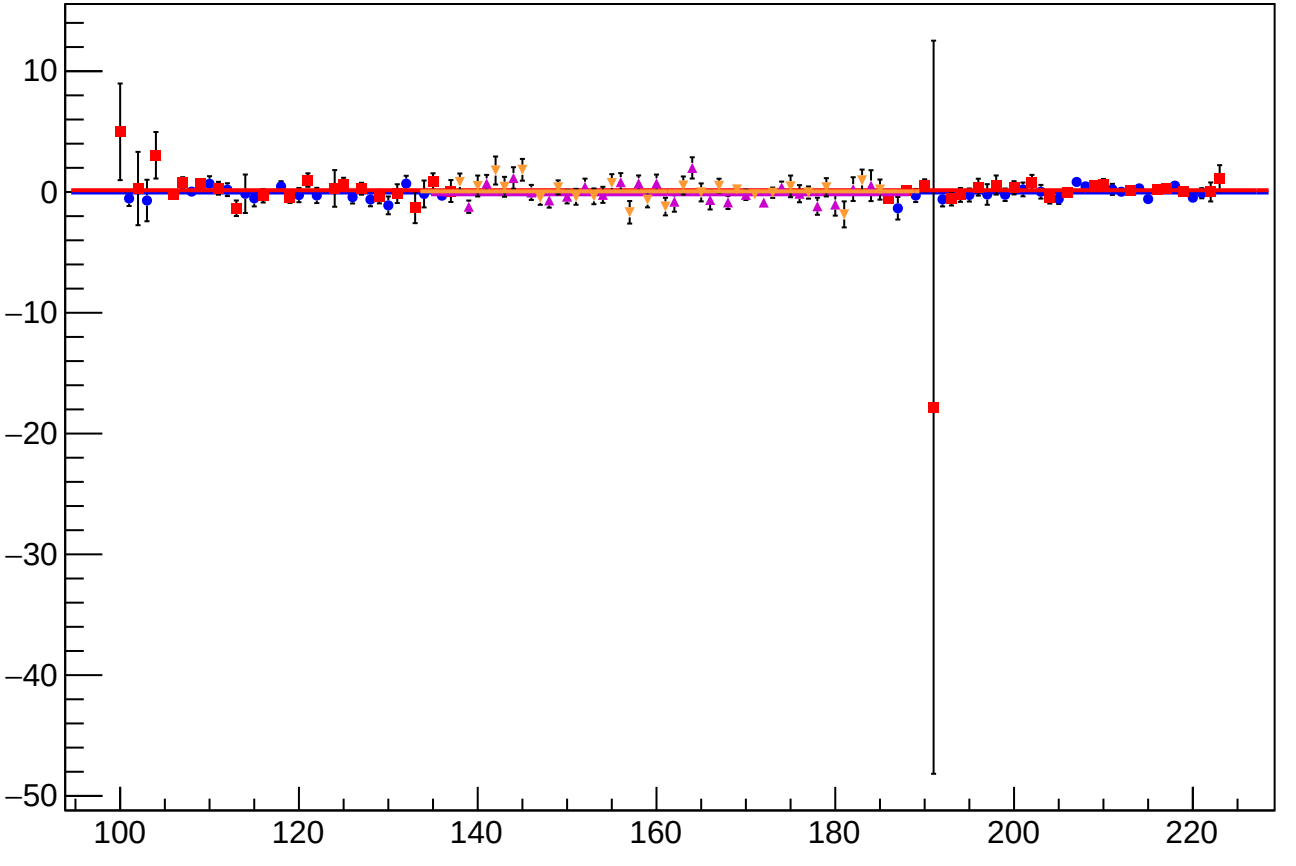
Right: 344.640+/-0.040 χ^2/NDF: 9519160.1/72

In: 410.954+/-0.049 χ^2/NDF:7524743.0/56

Out: 383.764+/-0.047 χ^2/NDF:12859492.7/63

All: 396.636+/-0.034 χ^2/NDF: 20543563.2/12

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

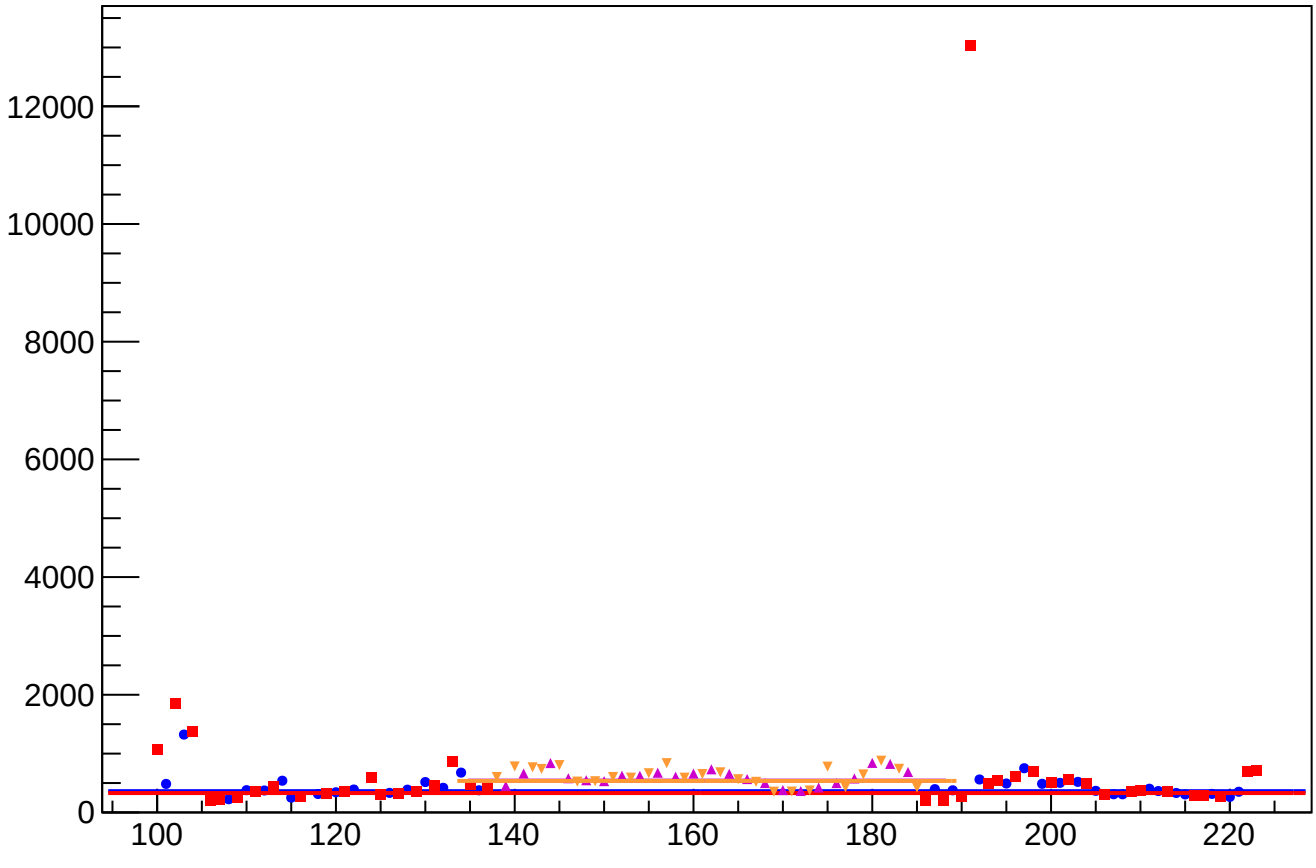
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.057+/-0.056 χ^2/NDF: 74.5/72

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.122+/-0.066 χ^2/NDF:63.4/63

All: 0.025+/-0.048 χ^2/NDF: 133.3/120



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: 540.811+/-0.094 χ^2/NDF:1905035.9/22

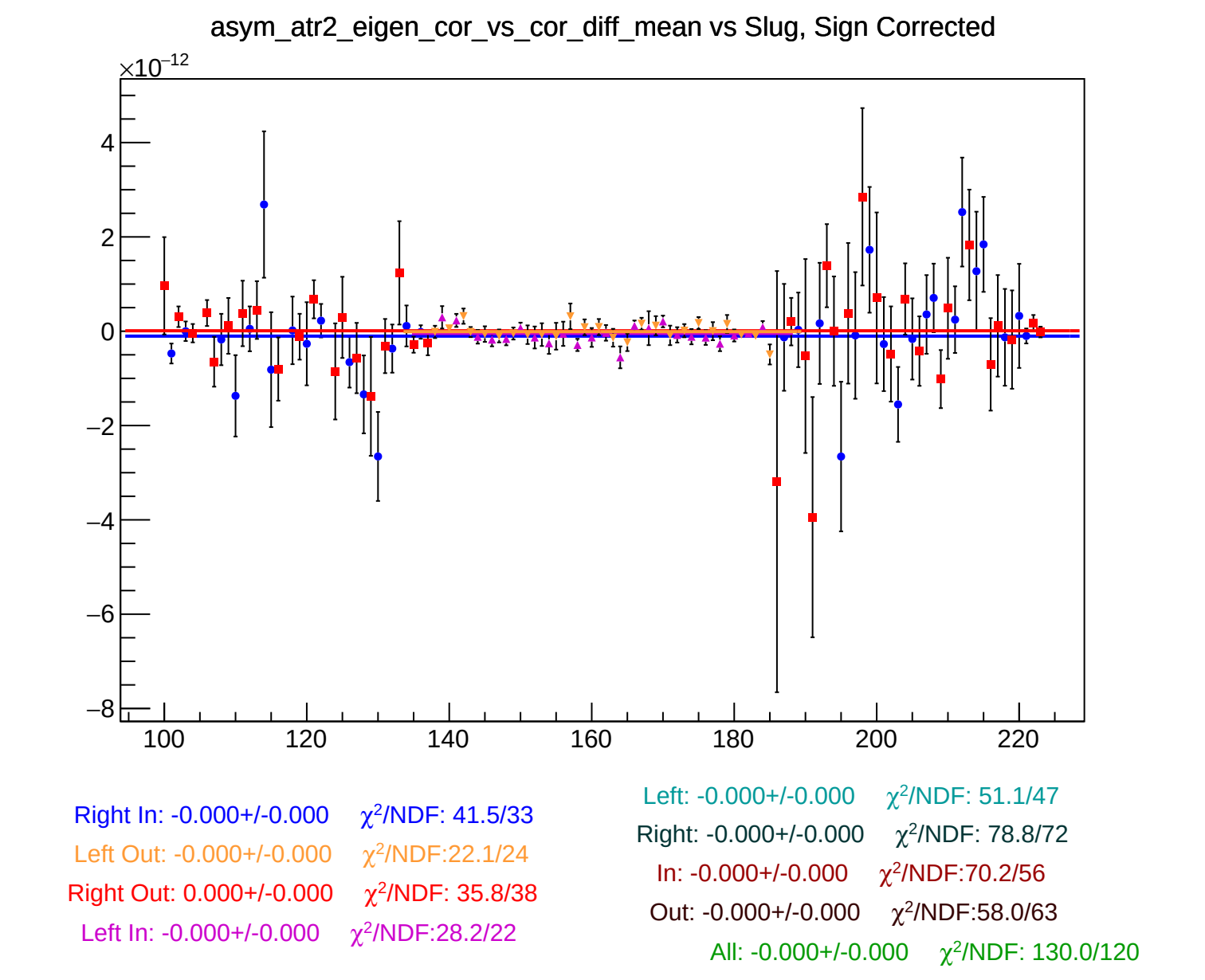
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

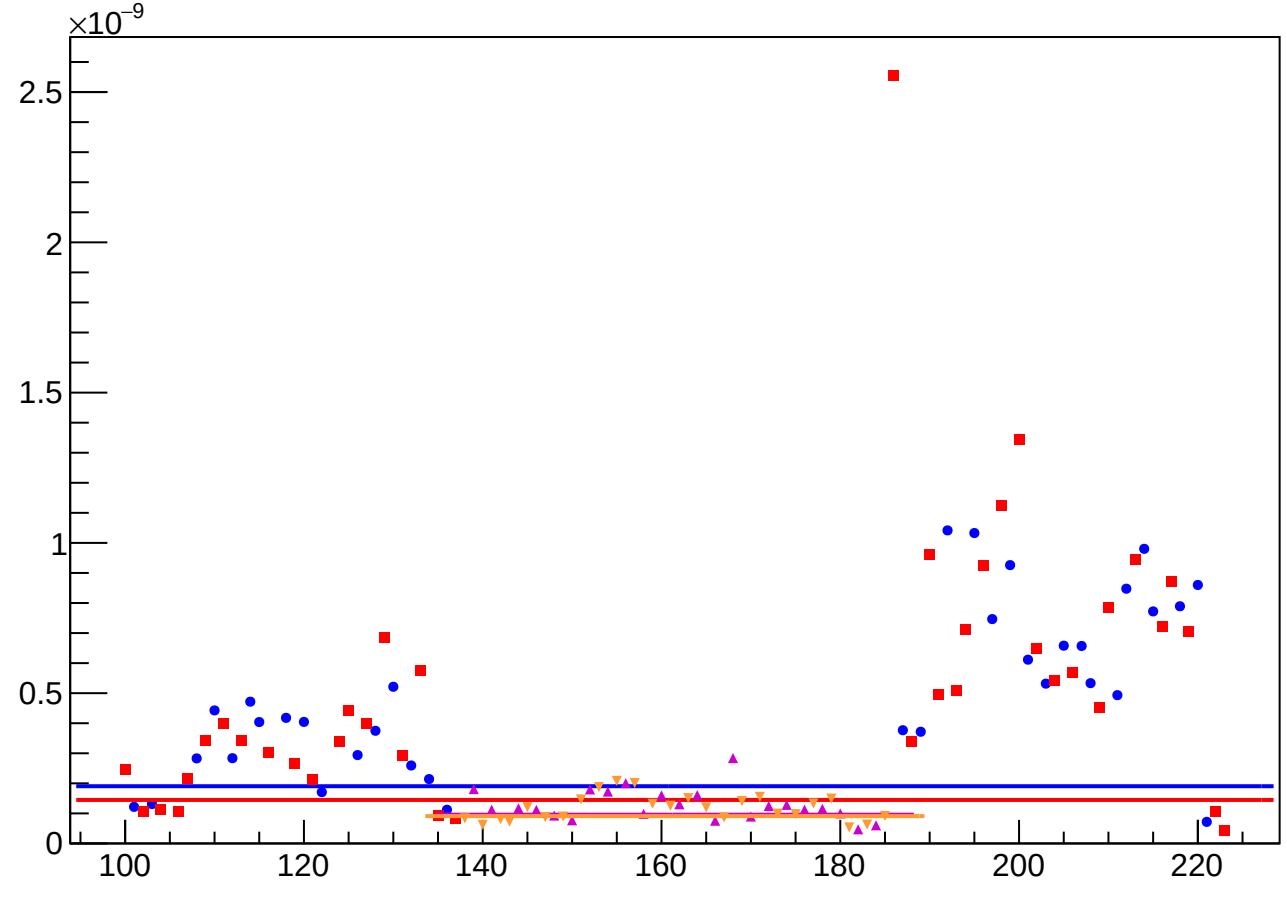
Right: 344.640+/-0.040 χ^2/NDF: 9519160.1/72

In: 410.954+/-0.049 χ^2/NDF:7524743.0/56

Out: 383.764+/-0.047 χ^2/NDF:12859492.7/63

All: 396.636+/-0.034 χ^2/NDF: 20543563.2/12


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 41.5/33
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.8/38
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 78.8/72
In: -0.000+/-0.000 χ²/NDF:70.2/56
Out: -0.000+/-0.000 χ²/NDF:58.0/63
All: -0.000+/-0.000 χ²/NDF: 130.0/120



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

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

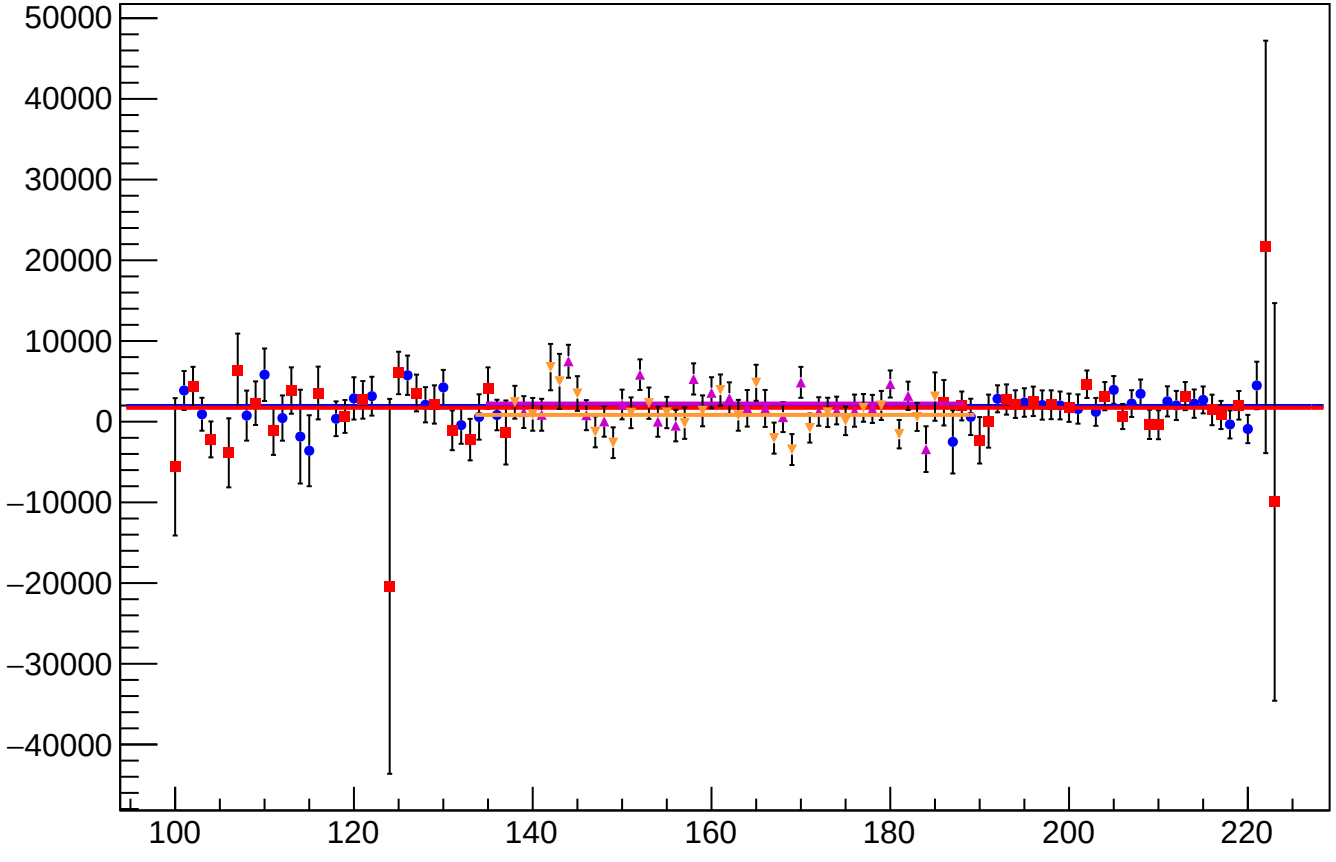
Right: 0.000+/-0.000 χ^2/NDF: 27250963.1/72

In: 0.000+/-0.000 χ^2/NDF:18963501.0/56

Out: 0.000+/-0.000 χ^2/NDF:19322097.2/63

All: 0.000+/-0.000 χ^2/NDF: 38395153.6/120

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

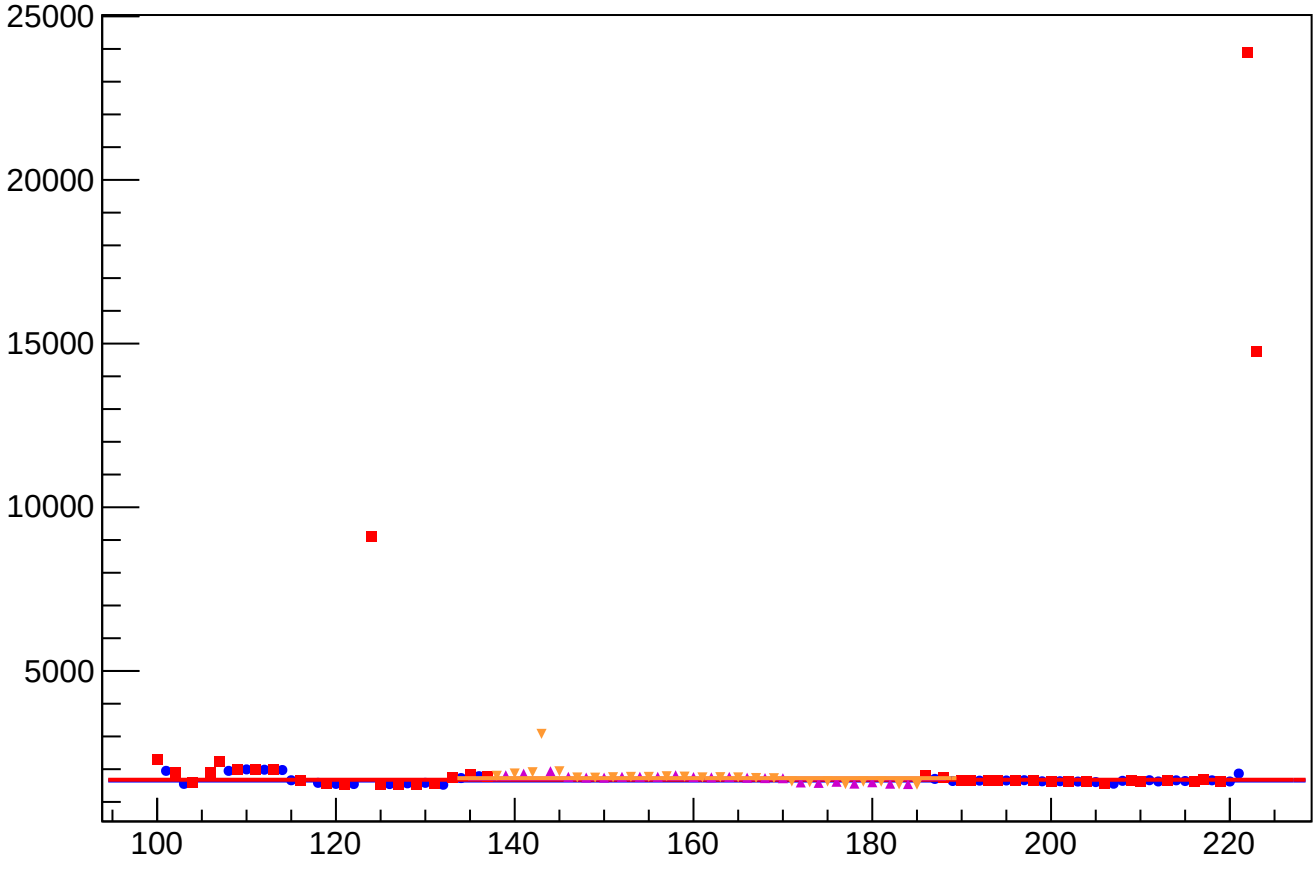
Right: 1833.344+/-254.637 χ^2/NDF: 51.7/72

In: 2077.009+/-266.798 χ^2/NDF:50.4/56

Out: 1317.644+/-266.997 χ^2/NDF:64.0/63

All: 1697.608+/-188.725 χ^2/NDF: 118.4/120

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

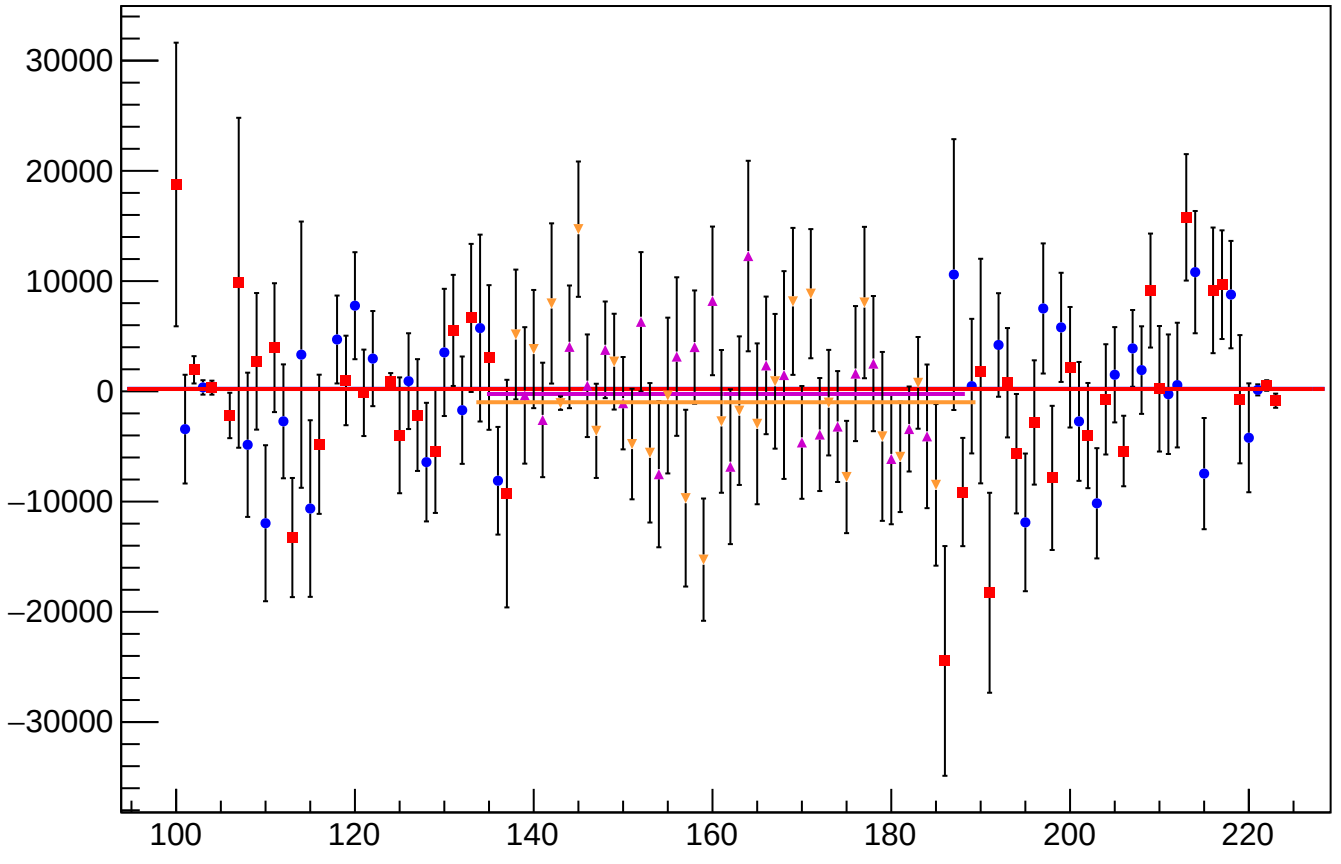
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1665.031+/-0.180 χ^2/NDF: 2668955.0/72

In: 1679.524+/-0.189 χ^2/NDF:321192.8/56

Out: 1699.781+/-0.189 χ^2/NDF:2968862.2/63

All: 1689.654+/-0.133 χ^2/NDF: 3295820.2/12



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

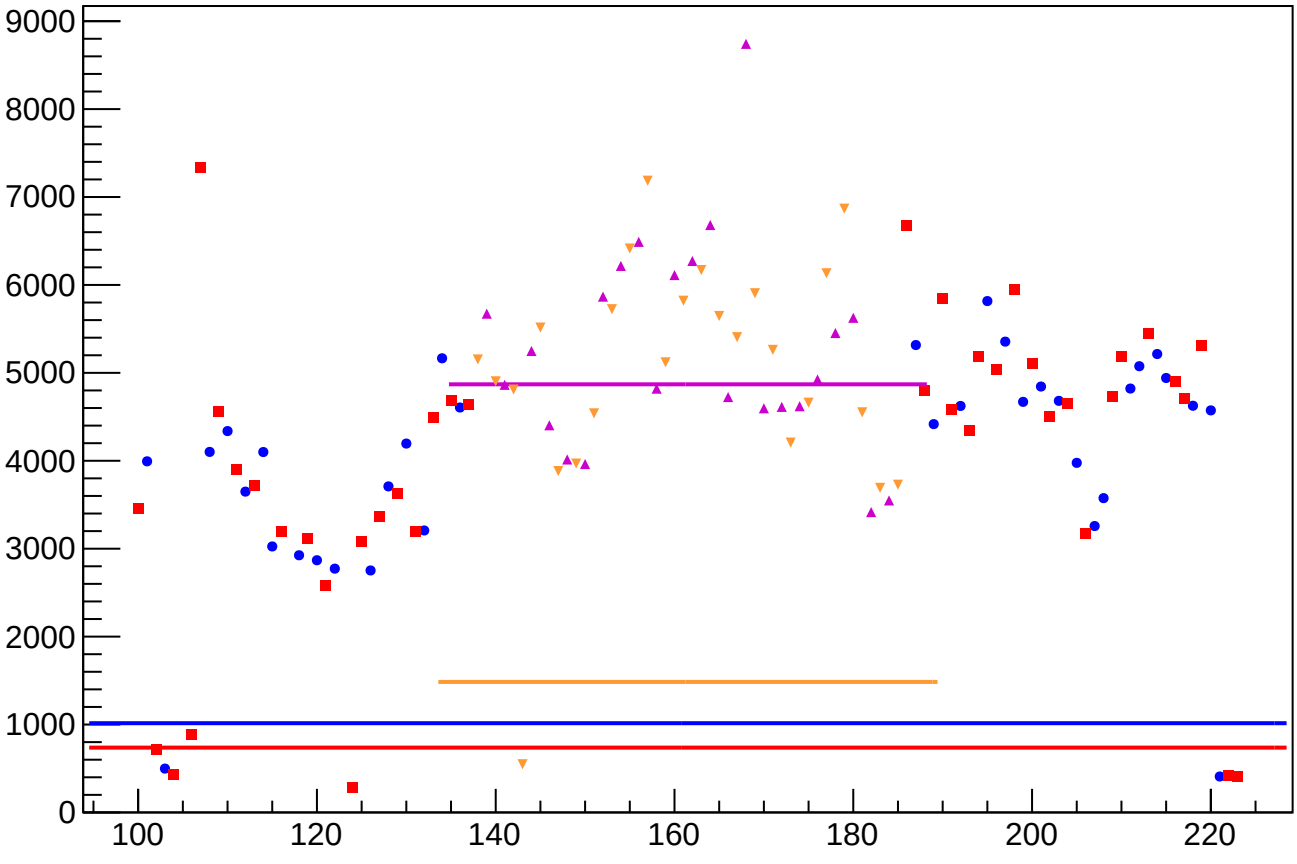
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 218.133+/-221.224 χ^2/NDF: 98.9/72

In: 187.614+/-349.127 χ^2/NDF:53.4/56

Out: -38.455+/-247.089 χ^2/NDF:93.9/63

All: 36.990+/-201.687 χ^2/NDF: 147.6/120



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

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

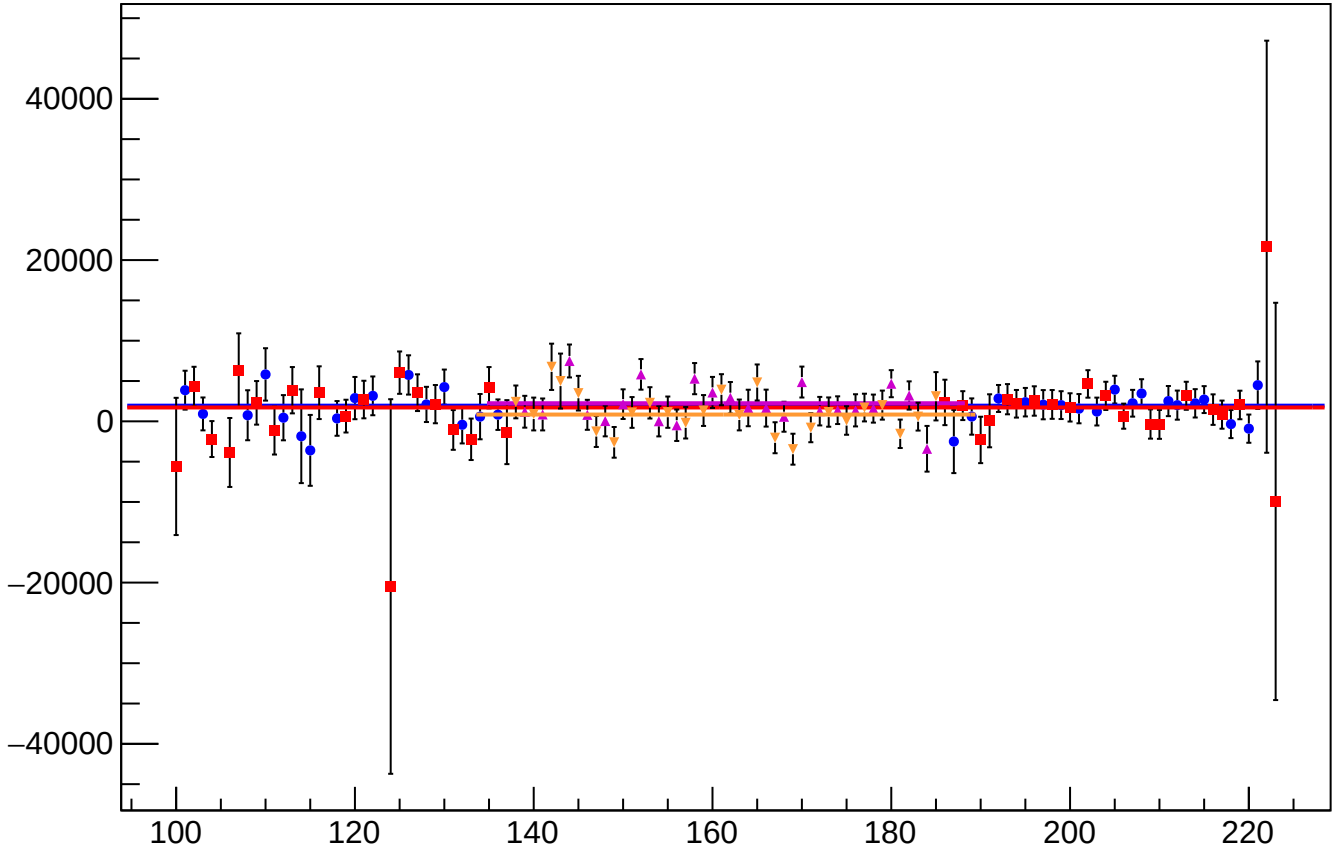
Right: 838.953+/-0.156 χ^2/NDF: 58364345.5/72

In: 1361.336+/-0.247 χ^2/NDF:49009225.4/56

Out: 893.151+/-0.175 χ^2/NDF:56265668.9/63

All: 1049.397+/-0.143 χ^2/NDF: 107671250.5

cor_asym_atl_avg_mean vs Slug, Sign Corrected



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

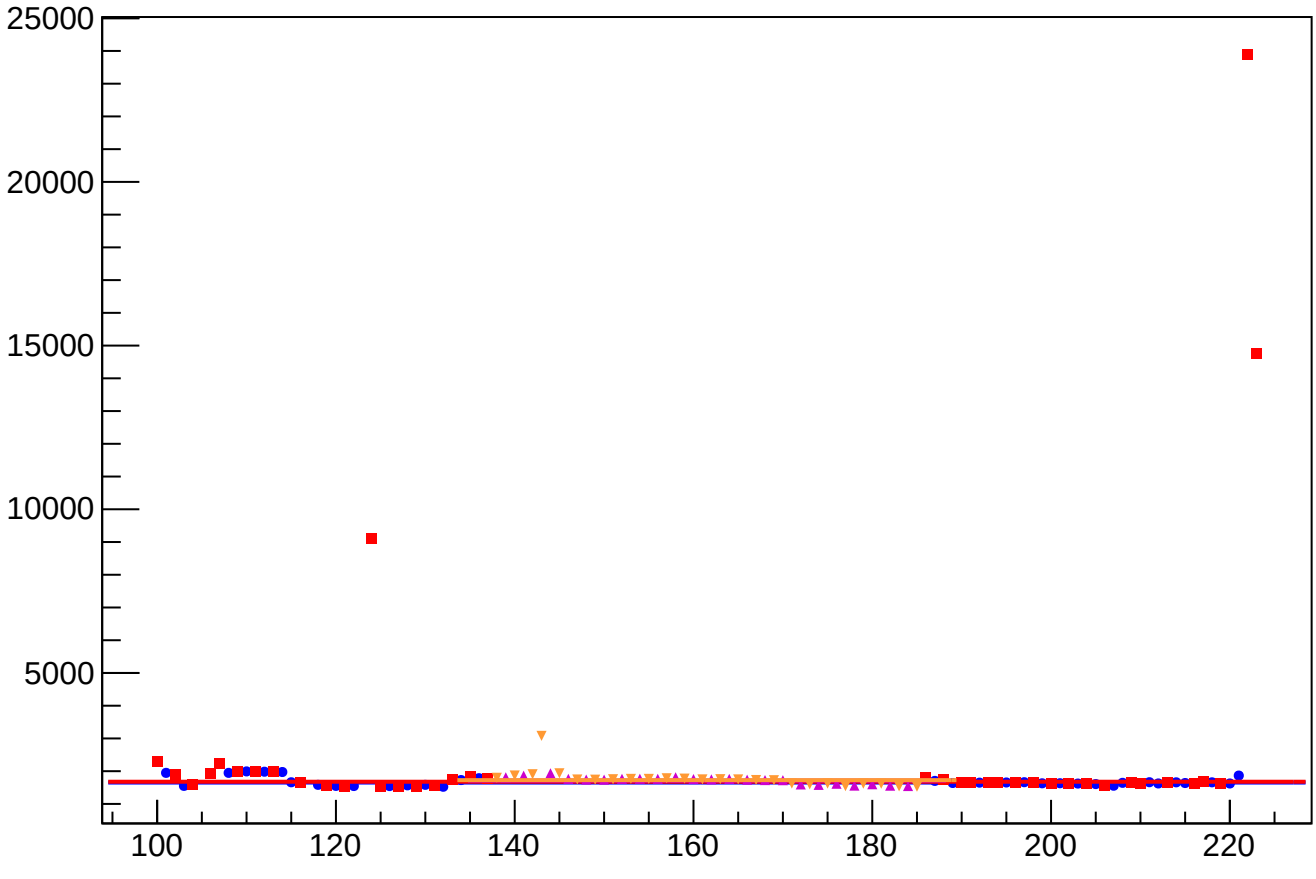
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1832.980+/-254.637 χ^2/NDF: 51.7/72

In: 2077.035+/-266.798 χ^2/NDF:50.4/56

Out: 1317.221+/-266.997 χ^2/NDF:64.0/63

All: 1697.410+/-188.725 χ^2/NDF: 118.4/120



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

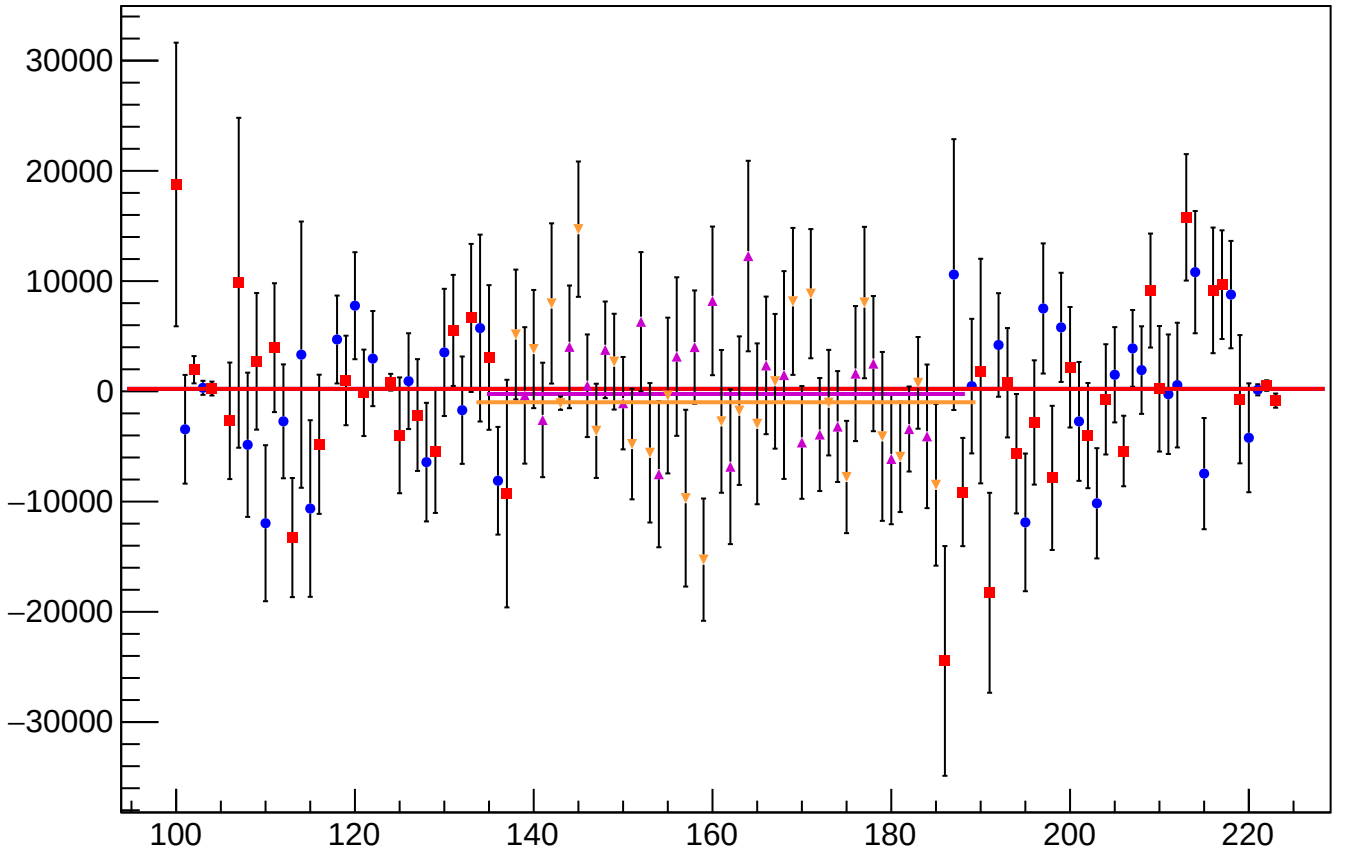
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1665.154+/-0.180 χ^2/NDF: 2671122.1/72

In: 1679.524+/-0.189 χ^2/NDF:321192.9/56

Out: 1699.923+/-0.189 χ^2/NDF:2970757.6/63

All: 1689.724+/-0.133 χ^2/NDF: 3297796.3/12



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

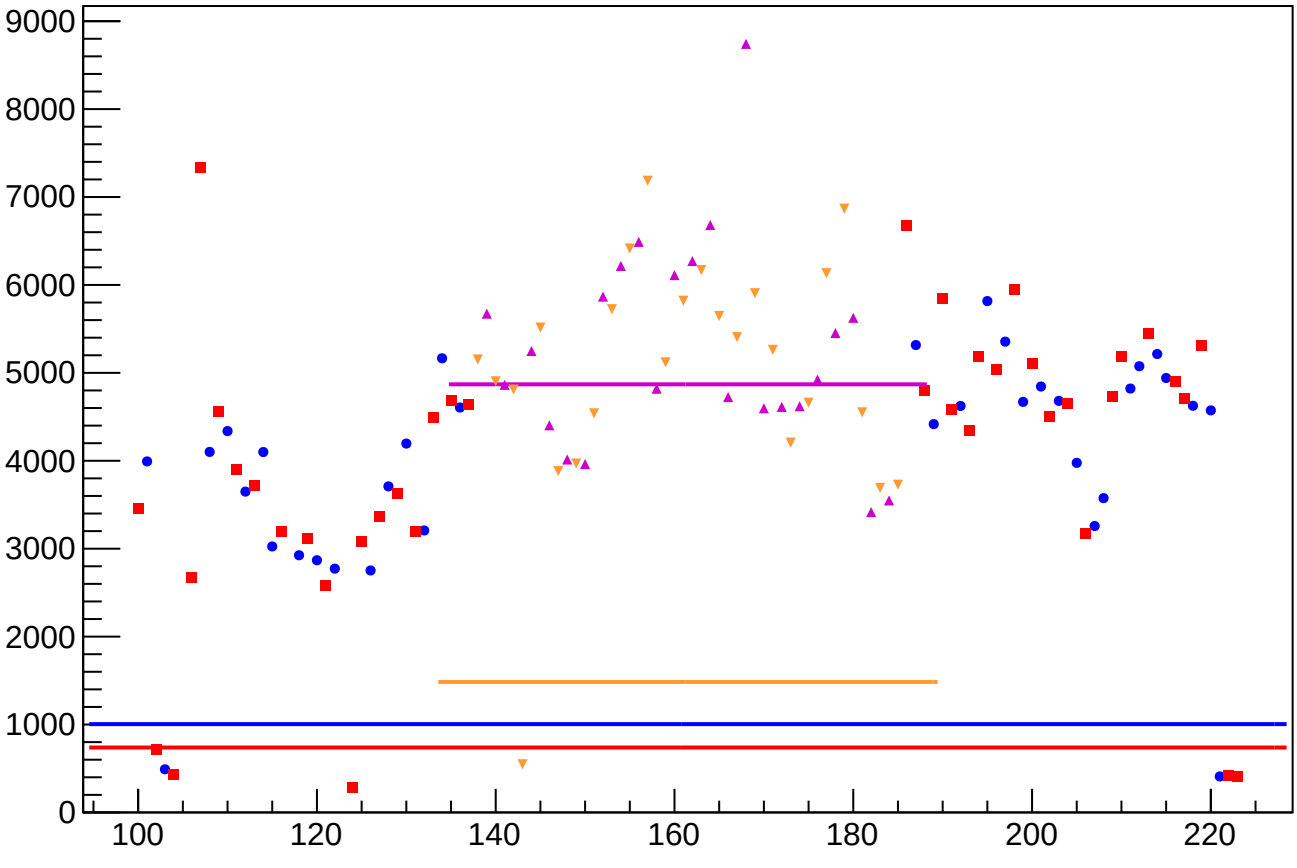
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 223.975+/-221.383 χ^2/NDF: 97.7/72

In: 182.809+/-346.644 χ^2/NDF:53.4/56

Out: -30.693+/-248.205 χ^2/NDF:92.7/63

All: 41.668+/-201.807 χ^2/NDF: 146.4/120



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

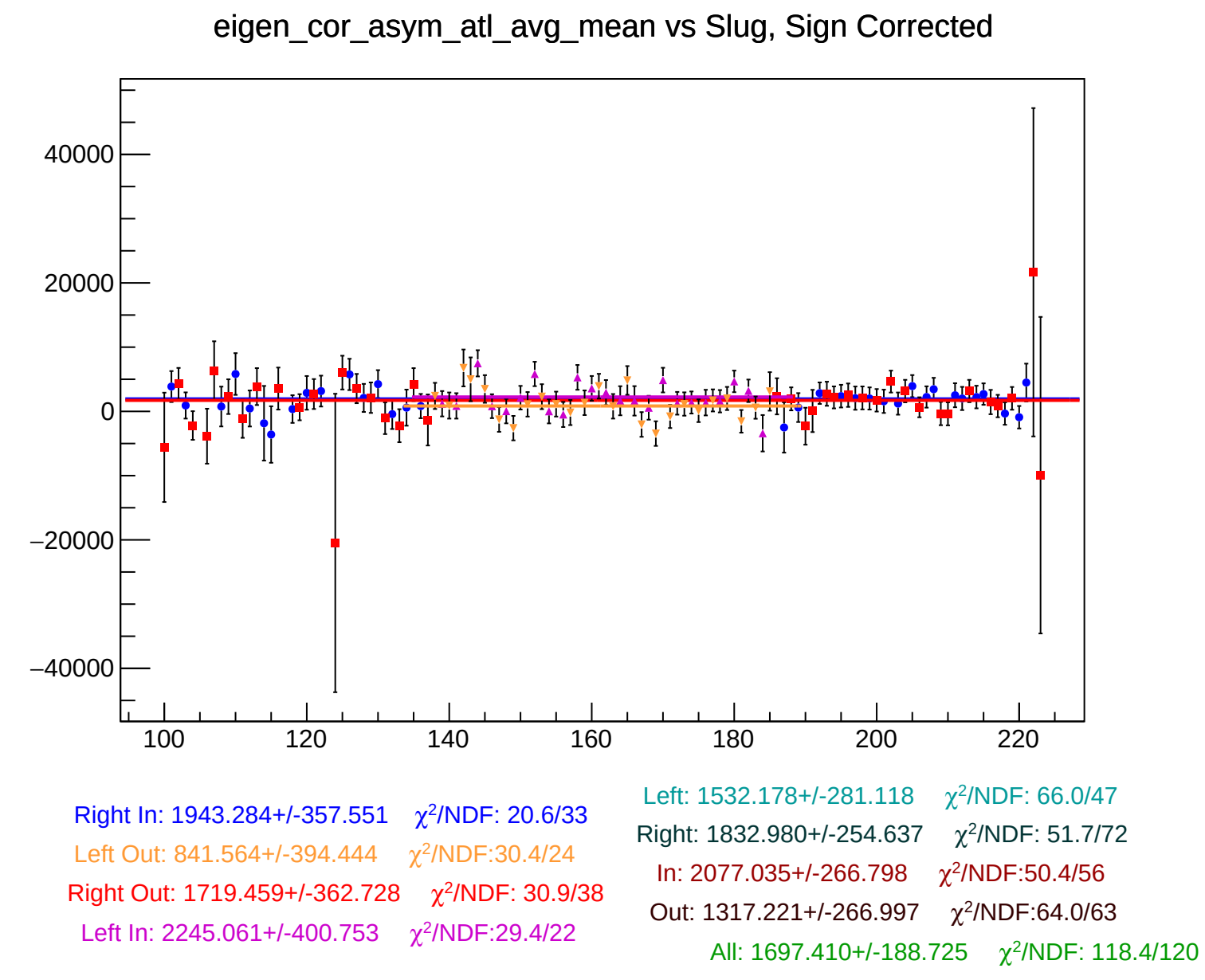
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

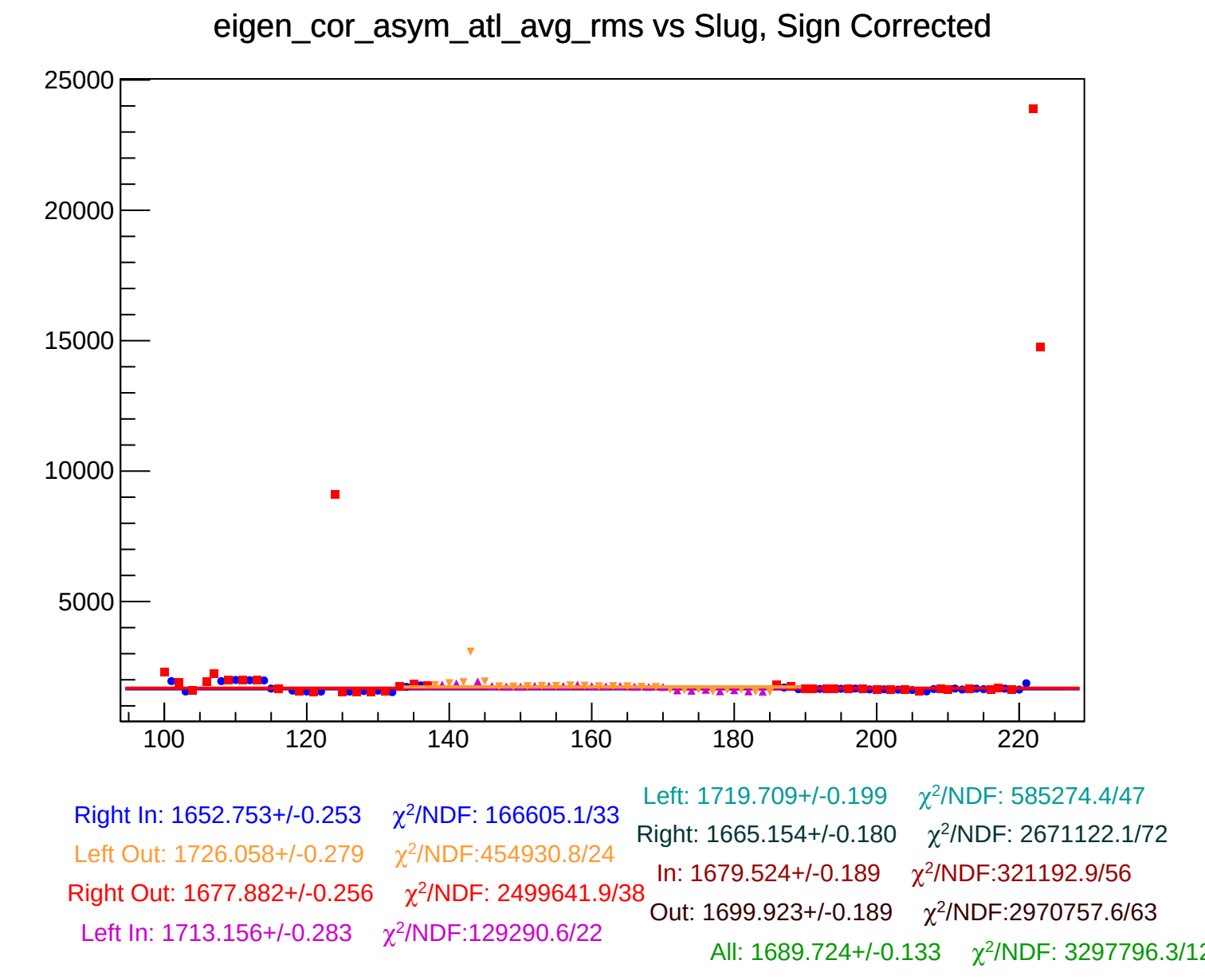
Right: 837.573+/-0.157 χ^2/NDF: 58684641.5/72

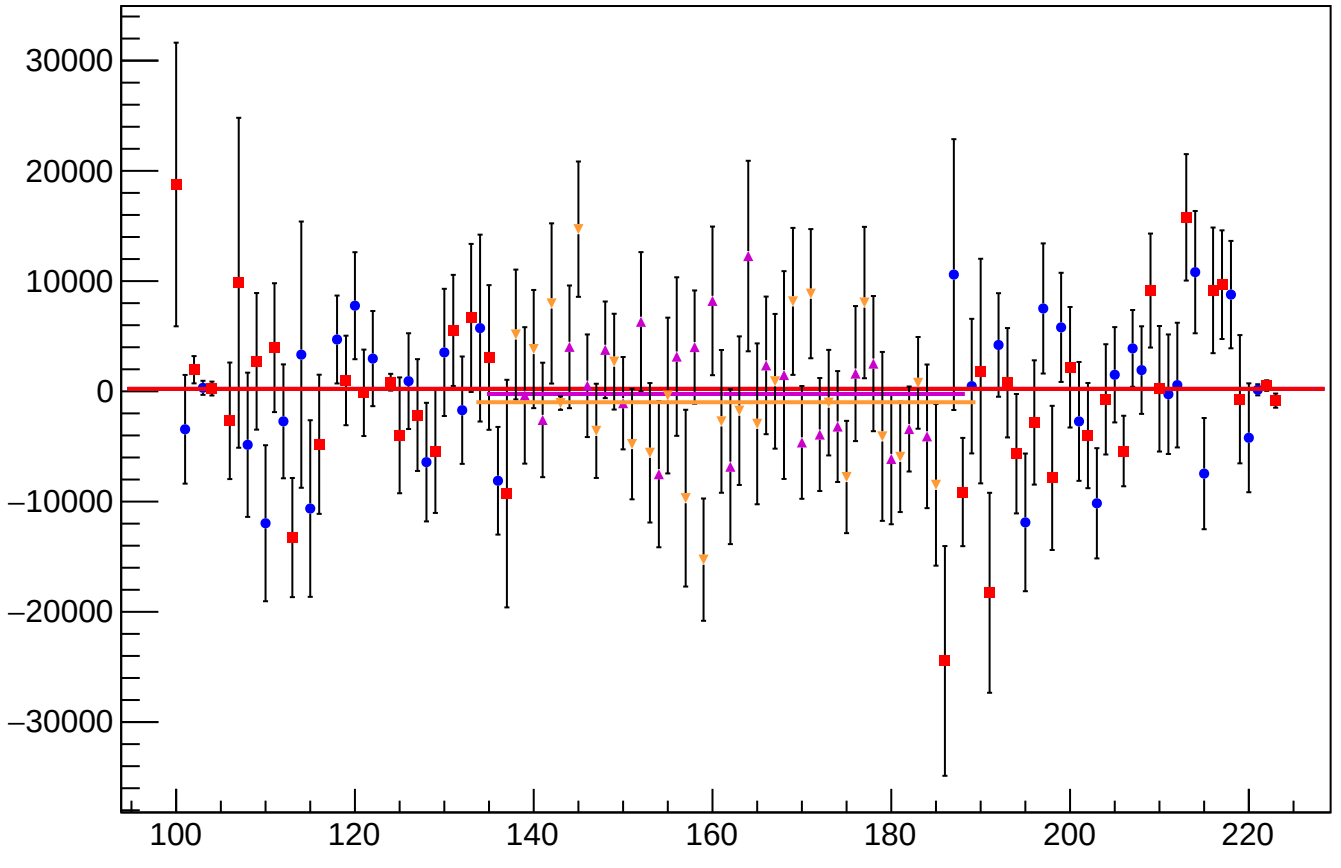
In: 1346.894+/-0.245 χ^2/NDF:49244695.9/56

Out: 895.508+/-0.176 χ^2/NDF:56526376.6/63

All: 1048.494+/-0.143 χ^2/NDF: 108012929.9


eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
120
140
160
180
200
220
Right In: 1943.284+/-357.551 χ²/NDF: 20.6/33
Left Out: 841.564+/-394.444 χ²/NDF:30.4/24
Right Out: 1719.459+/-362.728 χ²/NDF: 30.9/38
Left In: 2245.061+/-400.753 χ²/NDF:29.4/22
Left: 1532.178+/-281.118 χ²/NDF: 66.0/47
Right: 1832.980+/-254.637 χ²/NDF: 51.7/72
In: 2077.035+/-266.798 χ²/NDF:50.4/56
Out: 1317.221+/-266.997 χ²/NDF:64.0/63
All: 1697.410+/-188.725 χ²/NDF: 118.4/120


eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 1652.753+/-0.253 χ²/NDF: 166605.1/33
Left Out: 1726.058+/-0.279 χ²/NDF:454930.8/24
Right Out: 1677.882+/-0.256 χ²/NDF: 2499641.9/38
Left In: 1713.156+/-0.283 χ²/NDF:129290.6/22
Left: 1719.709+/-0.199 χ²/NDF: 585274.4/47
Right: 1665.154+/-0.180 χ²/NDF: 2671122.1/72
In: 1679.524+/-0.189 χ²/NDF:321192.9/56
Out: 1699.923+/-0.189 χ²/NDF:2970757.6/63
All: 1689.724+/-0.133 χ²/NDF: 3297796.3/12



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

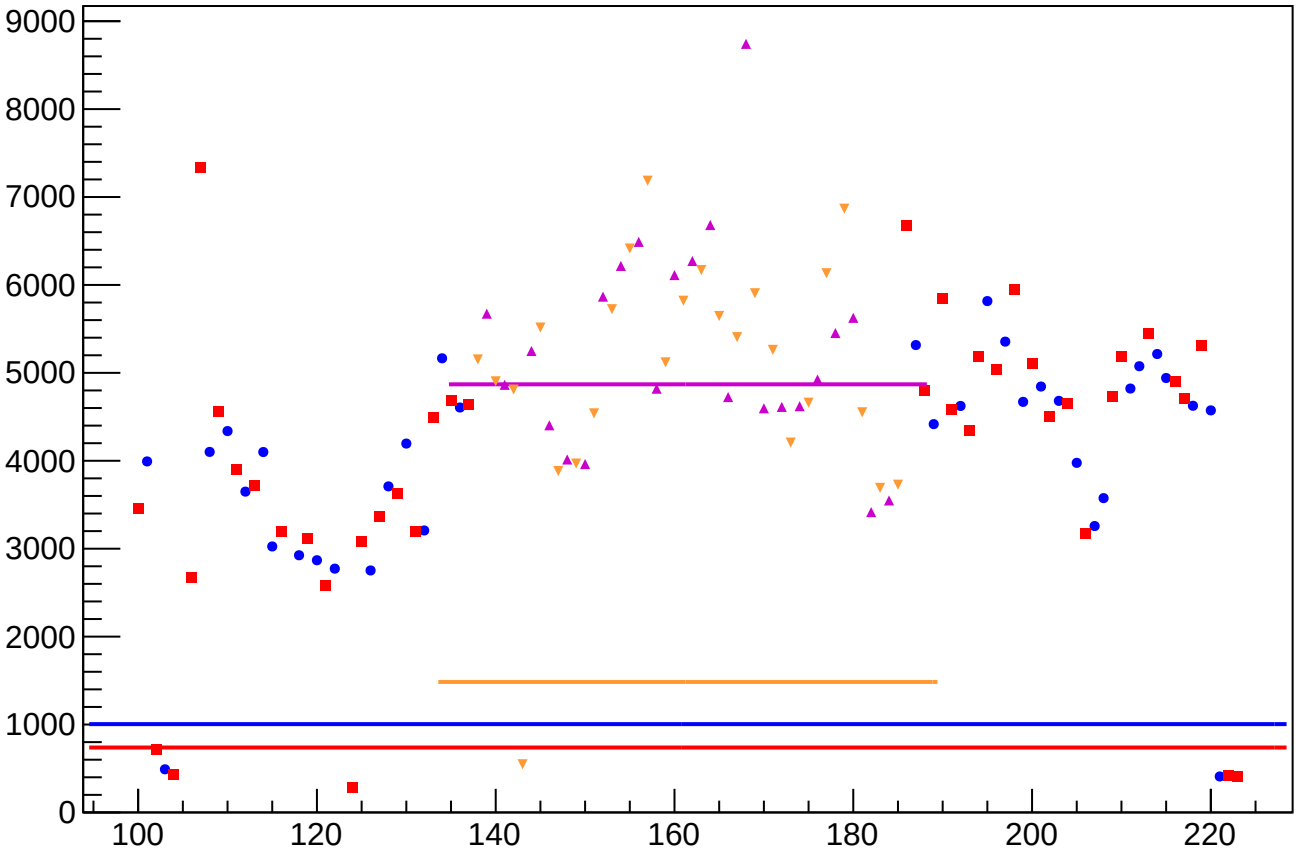
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 223.975+/-221.383 χ^2/NDF: 97.7/72

In: 182.809+/-346.644 χ^2/NDF:53.4/56

Out: -30.693+/-248.205 χ^2/NDF:92.7/63

All: 41.668+/-201.807 χ^2/NDF: 146.4/120



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

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

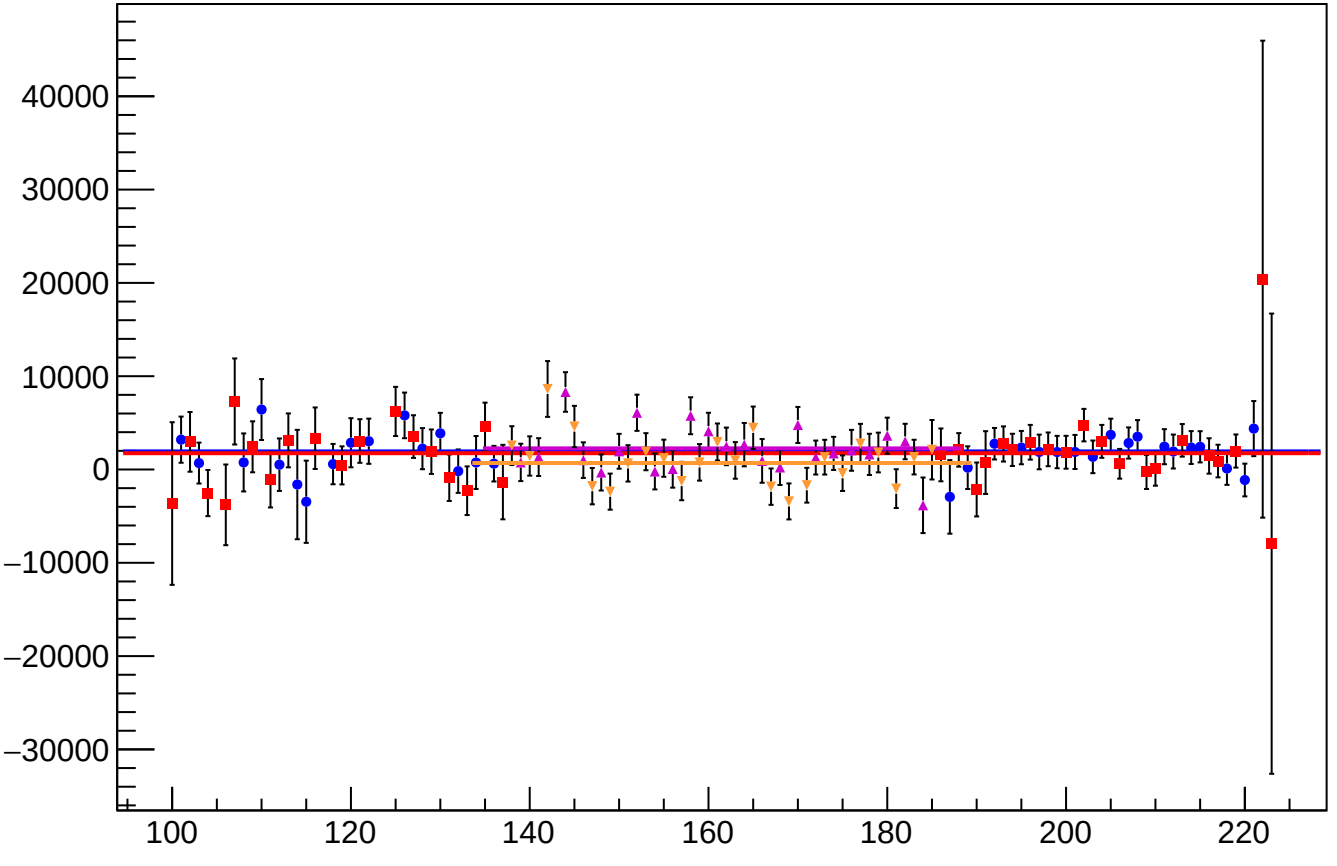
Right: 837.573+/-0.157 χ^2/NDF: 58684641.5/72

In: 1346.894+/-0.245 χ^2/NDF:49244695.9/56

Out: 895.508+/-0.176 χ^2/NDF:56526376.6/63

All: 1048.494+/-0.143 χ^2/NDF: 108012929.9

dit_asym_atl_avg_mean vs Slug, Sign Corrected



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

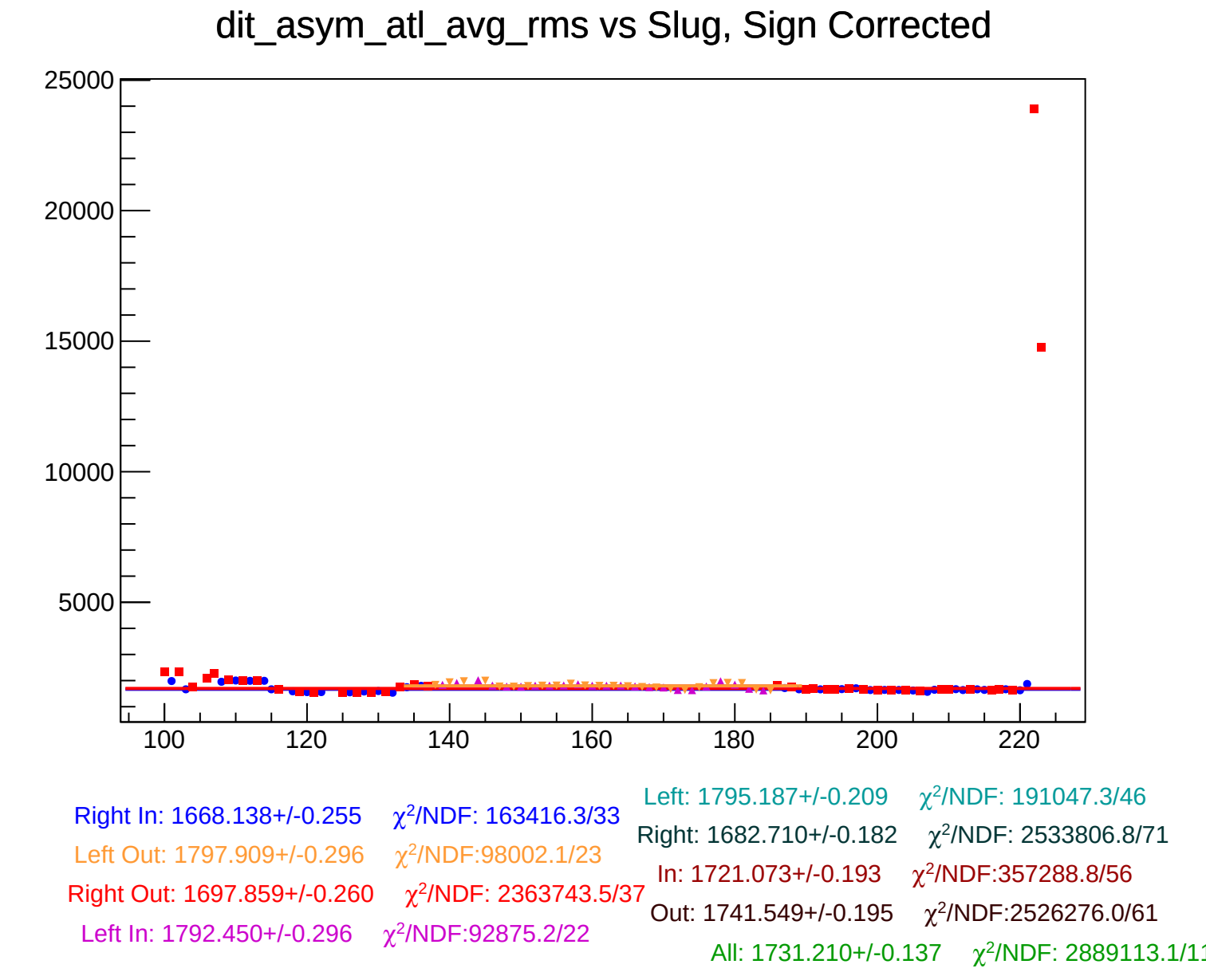
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

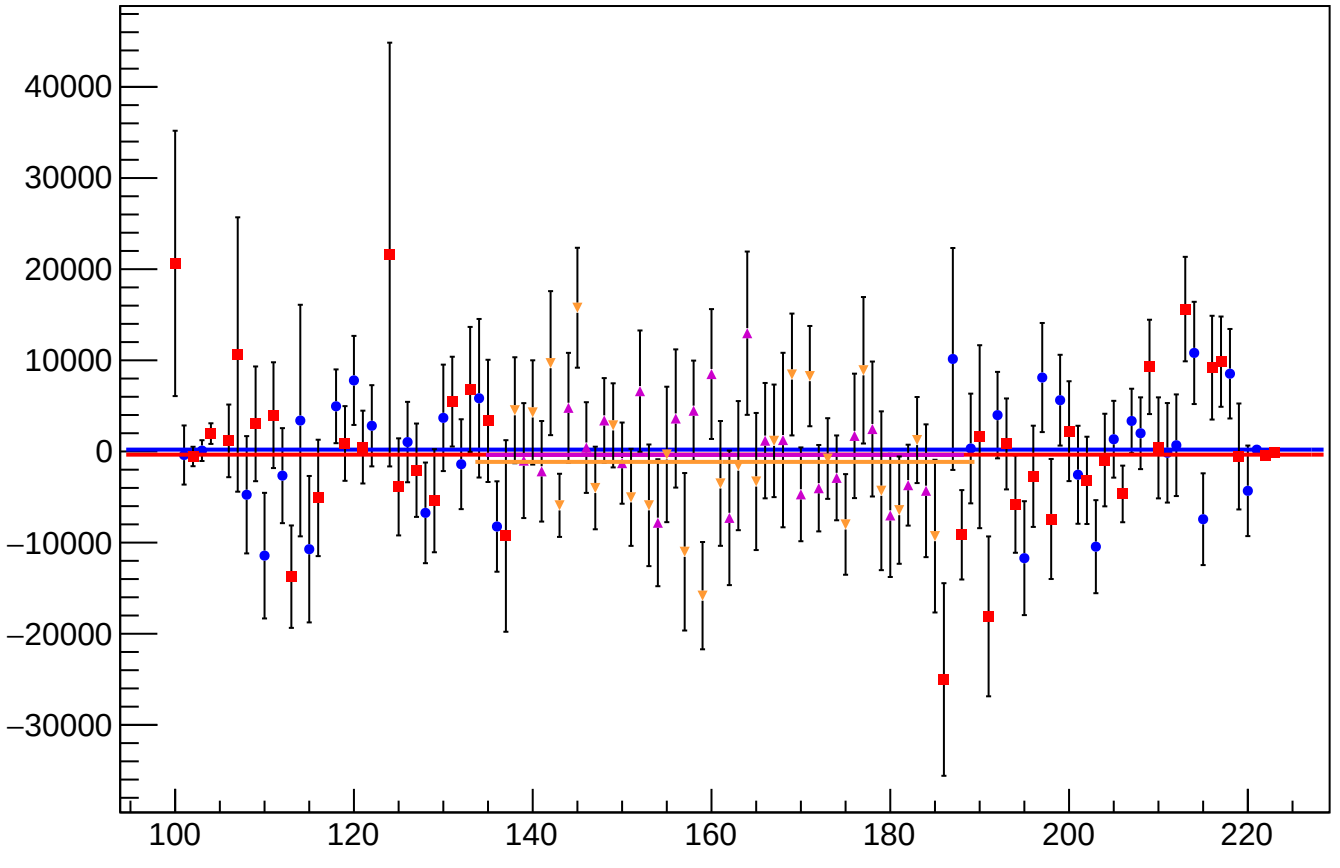
Right: 1843.685+/-257.812 χ^2/NDF: 48.0/71

In: 2075.246+/-273.533 χ^2/NDF:50.7/56

Out: 1286.733+/-276.365 χ^2/NDF:63.7/61

All: 1685.050+/-194.411 χ^2/NDF: 118.5/118


dit_asym_atl_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 1668.138+/-0.255 χ²/NDF: 163416.3/33
Left Out: 1797.909+/-0.296 χ²/NDF:98002.1/23
Right Out: 1697.859+/-0.260 χ²/NDF: 2363743.5/37
Left In: 1792.450+/-0.296 χ²/NDF:92875.2/22
Left: 1795.187+/-0.209 χ²/NDF: 191047.3/46
Right: 1682.710+/-0.182 χ²/NDF: 2533806.8/71
In: 1721.073+/-0.193 χ²/NDF:357288.8/56
Out: 1741.549+/-0.195 χ²/NDF:2526276.0/61
All: 1731.210+/-0.137 χ²/NDF: 2889113.1/11



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

Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

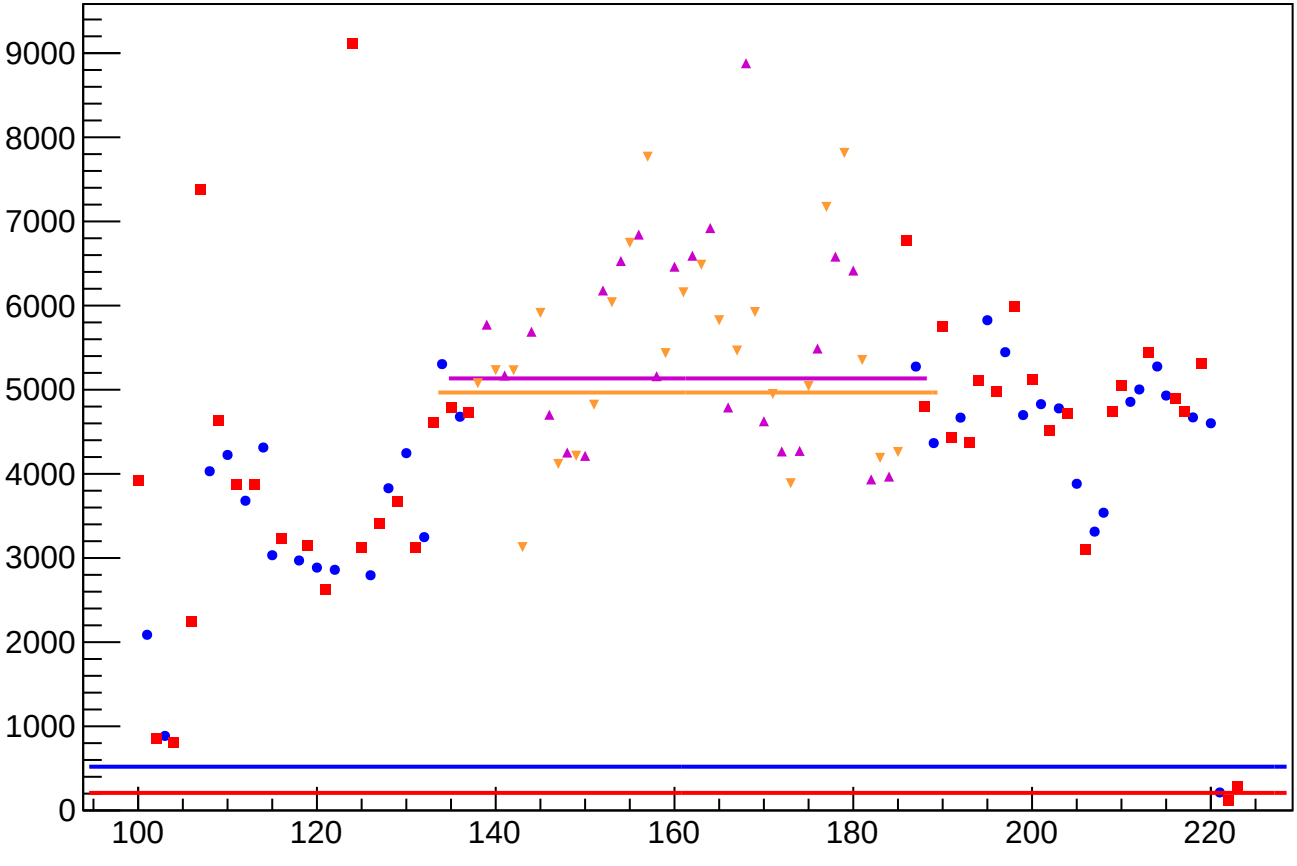
Right: -245.681+/-106.393 χ^2/NDF: 99.0/72

In: 180.714+/-241.146 χ^2/NDF:51.9/56

Out: -357.071+/-117.407 χ^2/NDF:89.6/63

All: -254.021+/-105.560 χ^2/NDF: 145.5/120

asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected



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

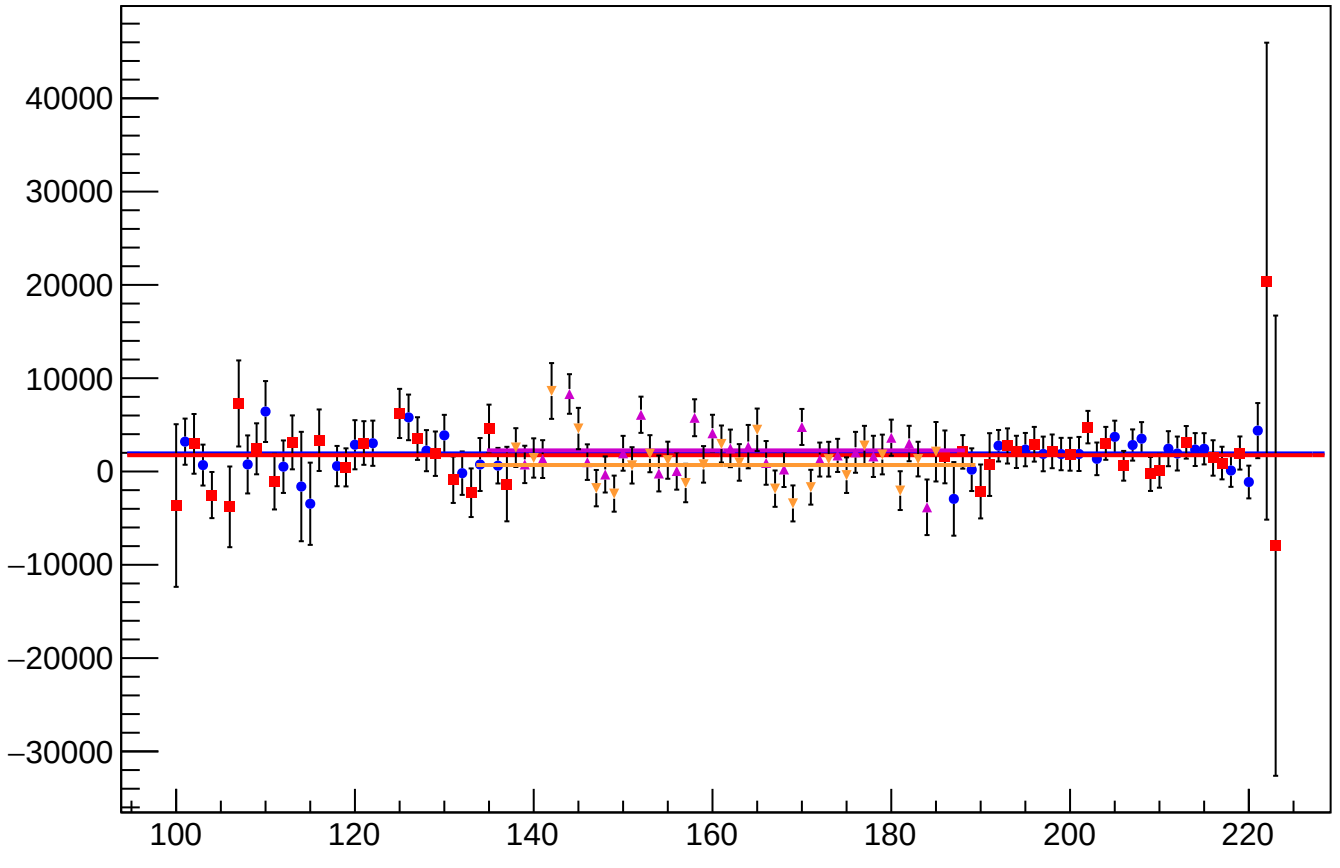
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 267.029+/-0.075 χ^2/NDF: 75471144.3/72

In: 697.784+/-0.171 χ^2/NDF:62268296.7/56

Out: 257.141+/-0.083 χ^2/NDF:74177989.2/63

All: 341.577+/-0.075 χ^2/NDF: 141844589.0/1



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

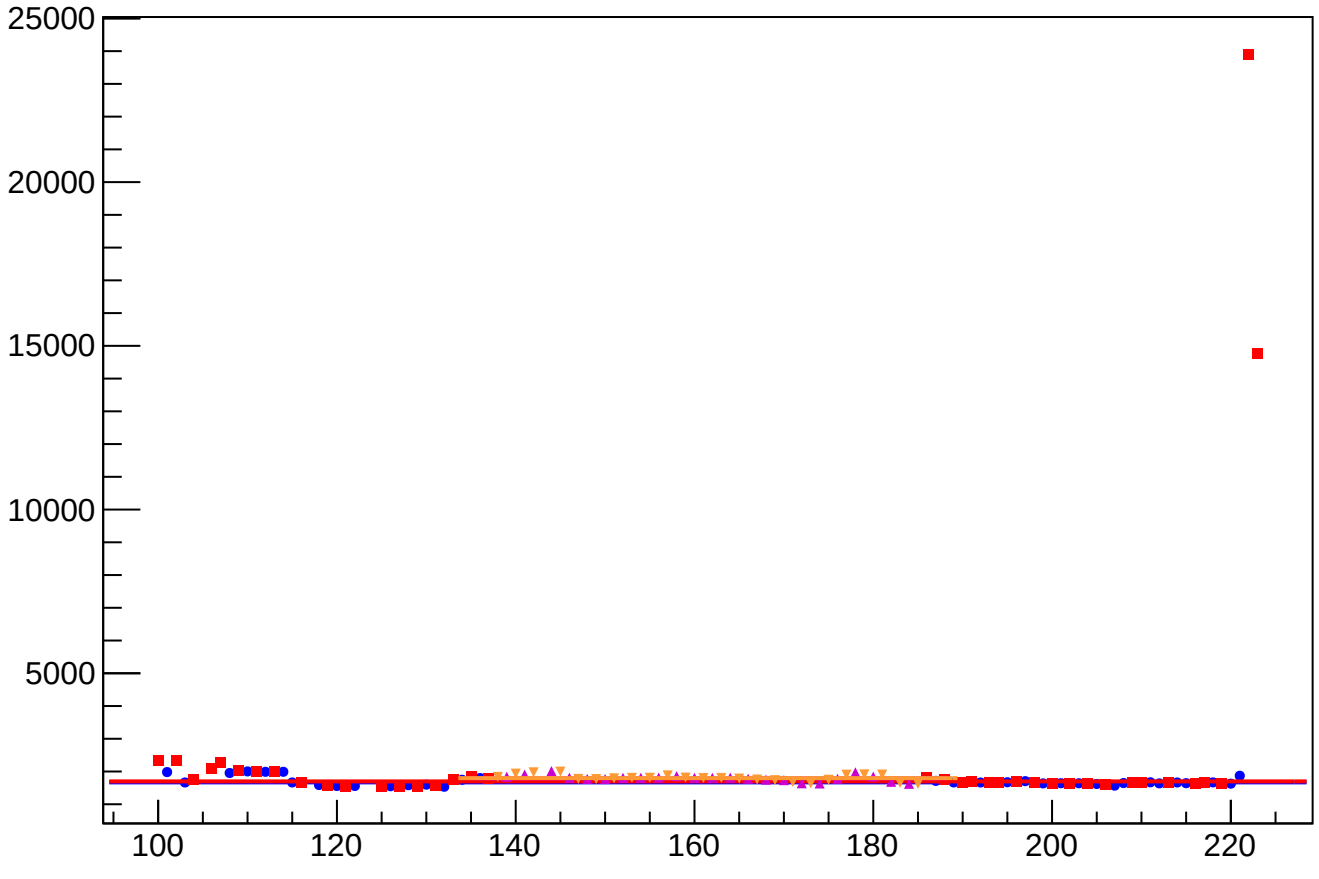
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1843.682+/-257.812 χ^2/NDF: 48.0/71

In: 2075.245+/-273.533 χ^2/NDF:50.7/56

Out: 1286.729+/-276.365 χ^2/NDF:63.7/61

All: 1685.047+/-194.411 χ^2/NDF: 118.5/118



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

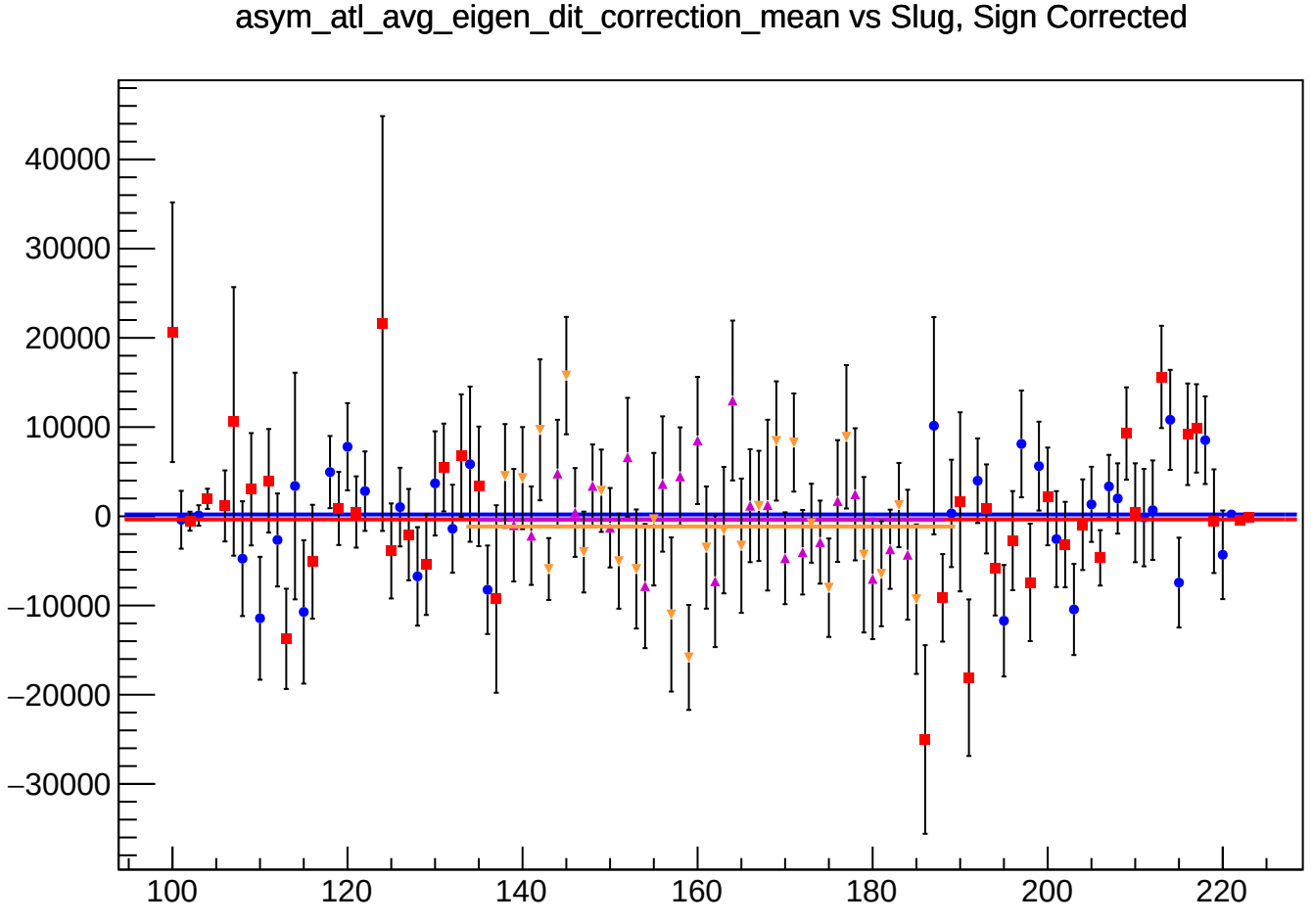
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1682.710+/-0.182 χ^2/NDF: 2533806.4/71

In: 1721.073+/-0.193 χ^2/NDF:357294.4/56

Out: 1741.549+/-0.195 χ^2/NDF:2526280.8/61

All: 1731.210+/-0.137 χ^2/NDF: 2889123.5/11



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

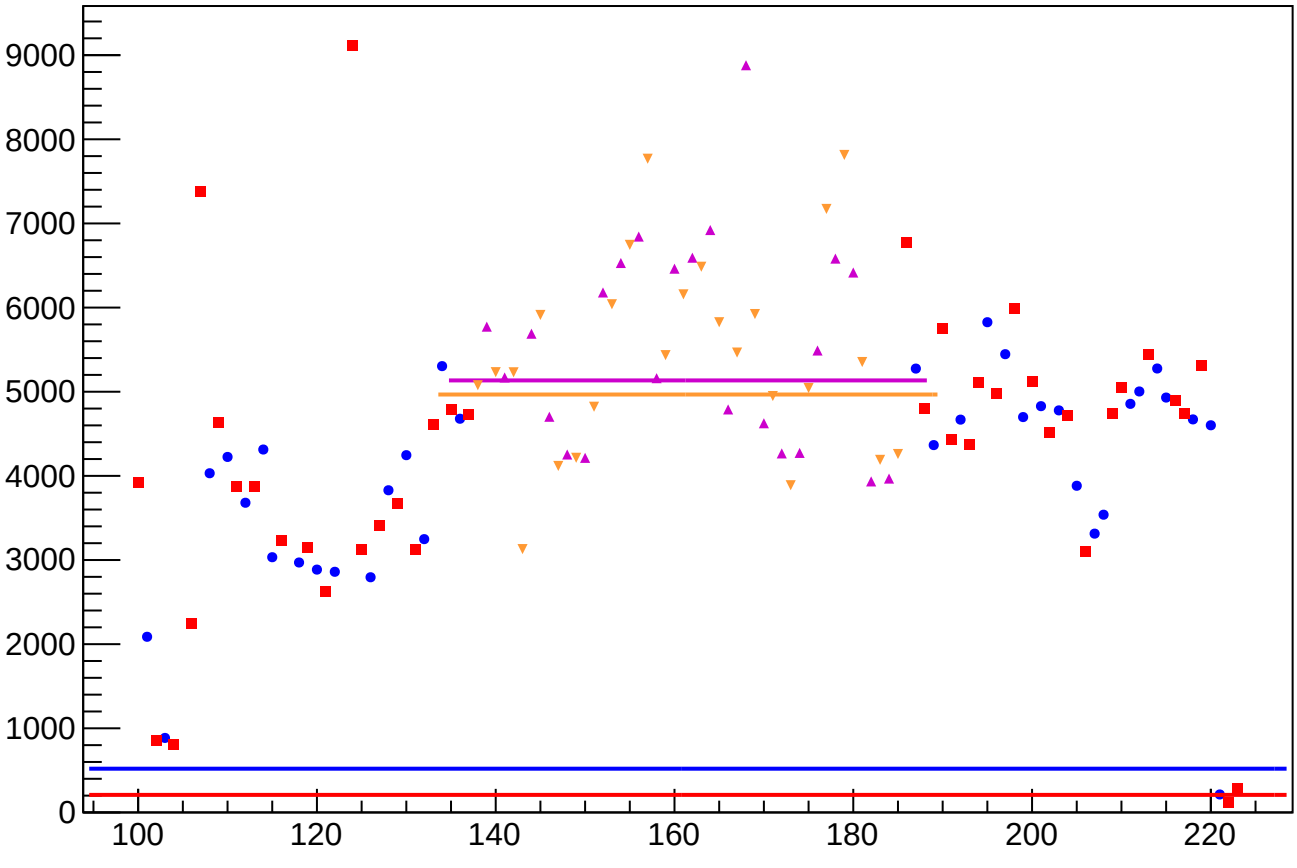
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: -245.681+/-106.393 χ^2/NDF: 99.0/72

In: 180.711+/-241.146 χ^2/NDF:51.9/56

Out: -357.070+/-117.407 χ^2/NDF:89.6/63

All: -254.021+/-105.560 χ^2/NDF: 145.5/120



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

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

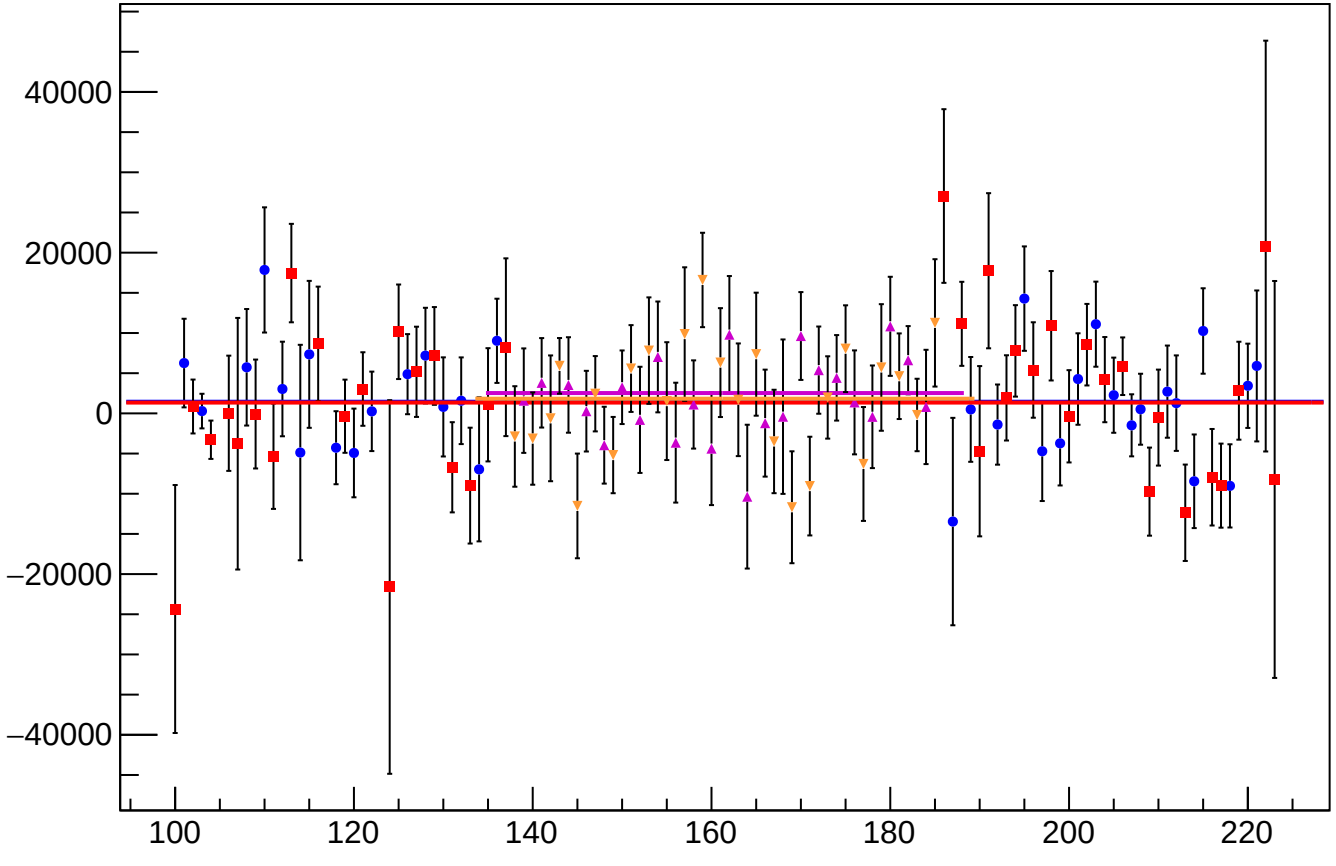
Right: 267.028+/-0.075 χ^2/NDF: 75471143.4/72

In: 697.783+/-0.171 χ^2/NDF:62268331.5/56

Out: 257.141+/-0.083 χ^2/NDF:74177995.5/63

All: 341.576+/-0.075 χ^2/NDF: 141844617.9/

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

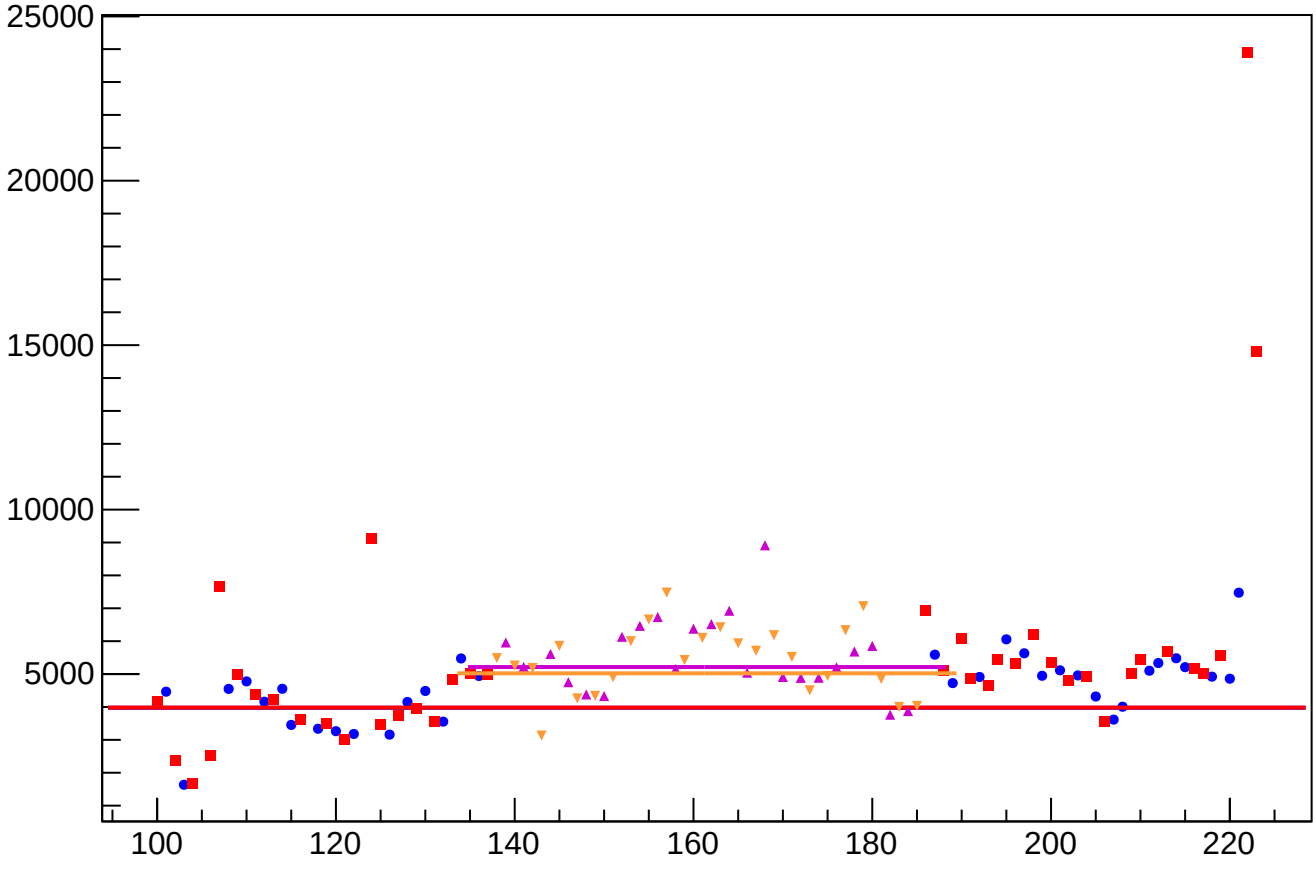
Right: 1397.602+/-642.602 χ^2/NDF: 97.6/72

In: 1823.559+/-730.508 χ^2/NDF:49.5/56

Out: 1526.175+/-721.047 χ^2/NDF:92.9/63

All: 1672.929+/-513.169 χ^2/NDF: 142.5/120

asym_atl_avg_rms vs Slug, Sign Corrected



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

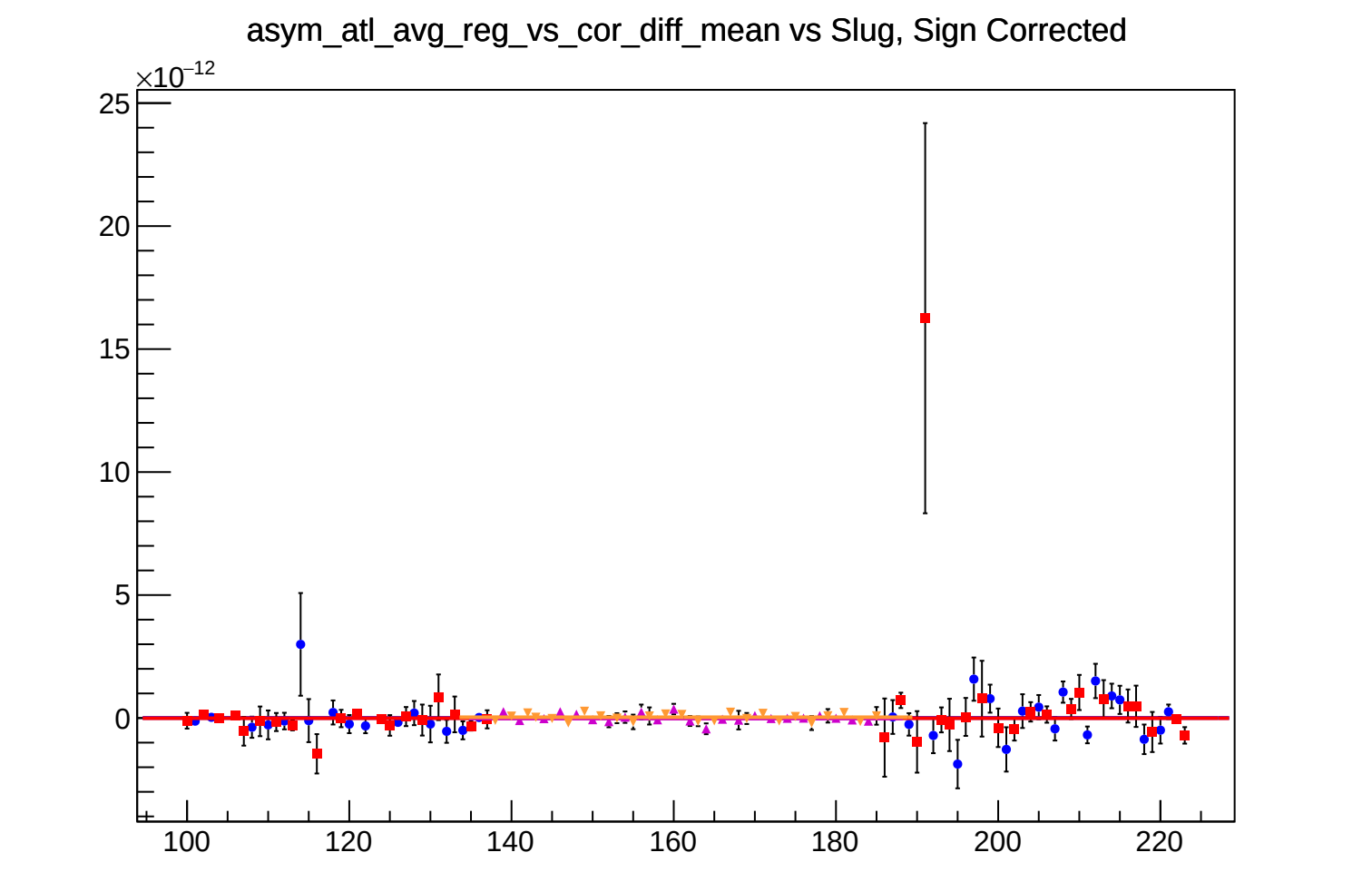
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3977.623+/-0.452 χ^2/NDF: 10618829.2/72

In: 4403.568+/-0.517 χ^2/NDF:6825120.2/56

Out: 4370.107+/-0.507 χ^2/NDF:8983276.9/63

All: 4386.530+/-0.362 χ^2/NDF: 15810533.7/1



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

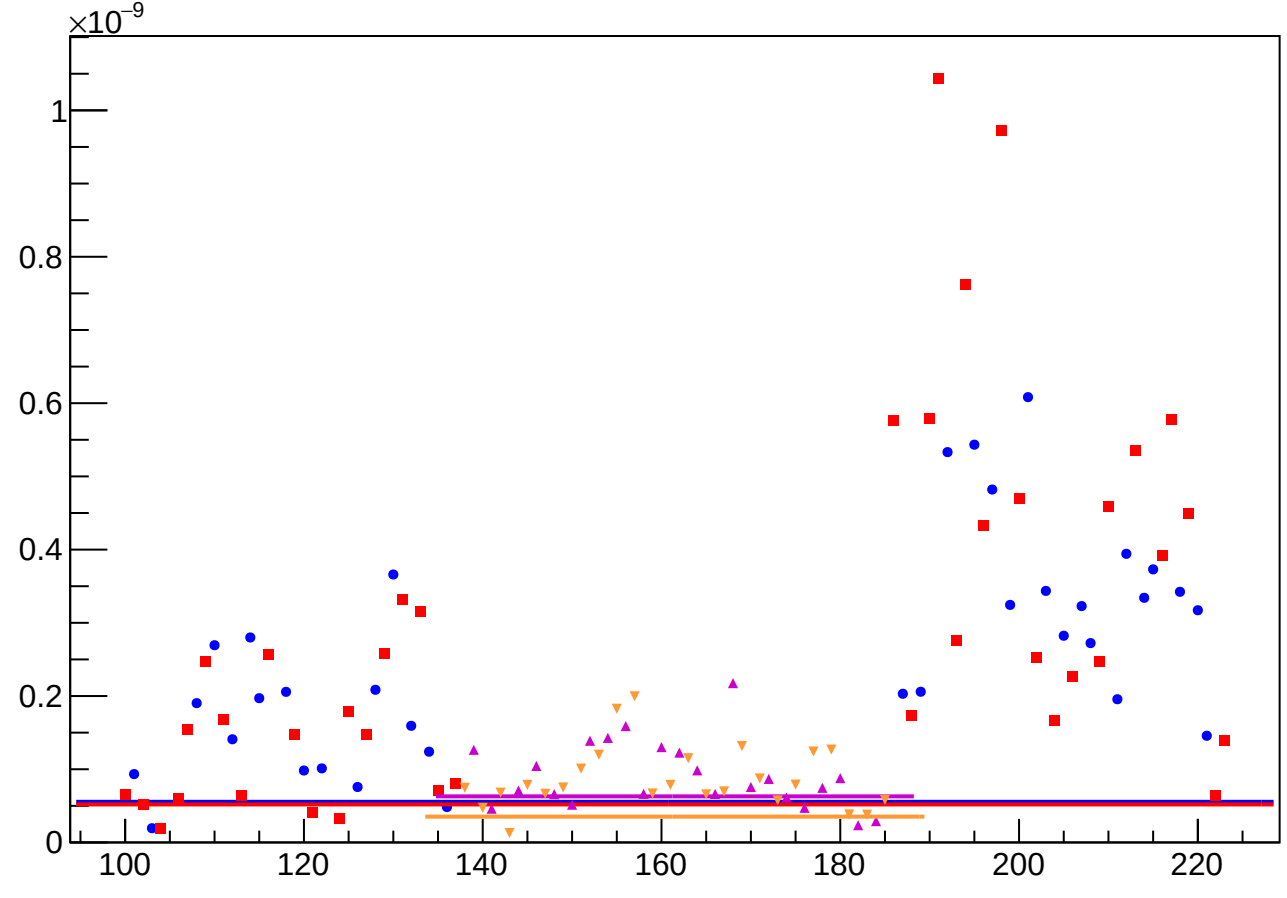
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 85.1/72

In: -0.000+/-0.000 χ^2/NDF:67.1/56

Out: 0.000+/-0.000 χ^2/NDF:63.5/63

All: 0.000+/-0.000 χ^2/NDF: 132.0/120



Right In: 0.000+/-0.000 χ^2/NDF: 11820781.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12001317.8/38

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

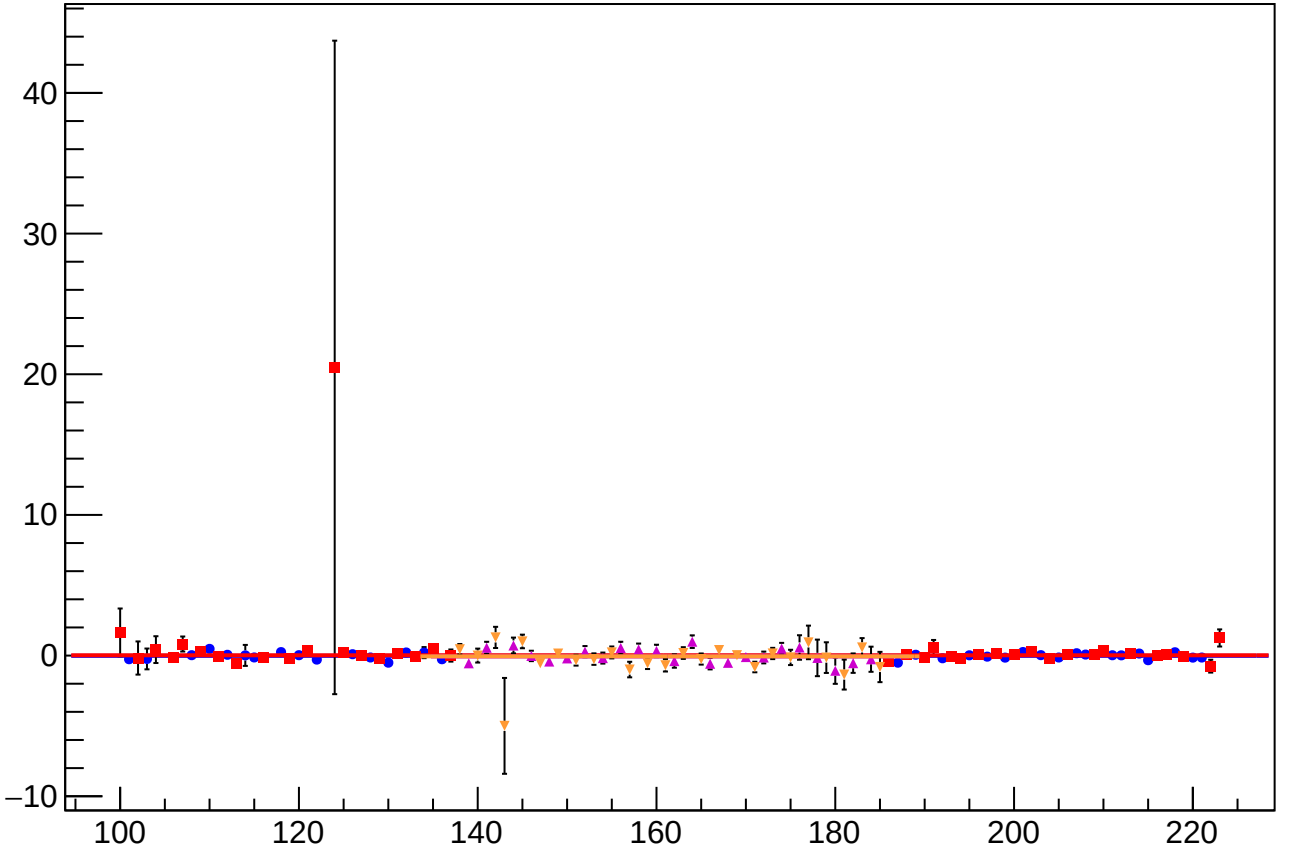
Right: 0.000+/-0.000 χ^2/NDF: 23835007.6/72

In: 0.000+/-0.000 χ^2/NDF:14815423.4/56

Out: 0.000+/-0.000 χ^2/NDF:18942770.2/63

All: 0.000+/-0.000 χ^2/NDF: 34939869.1/120

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

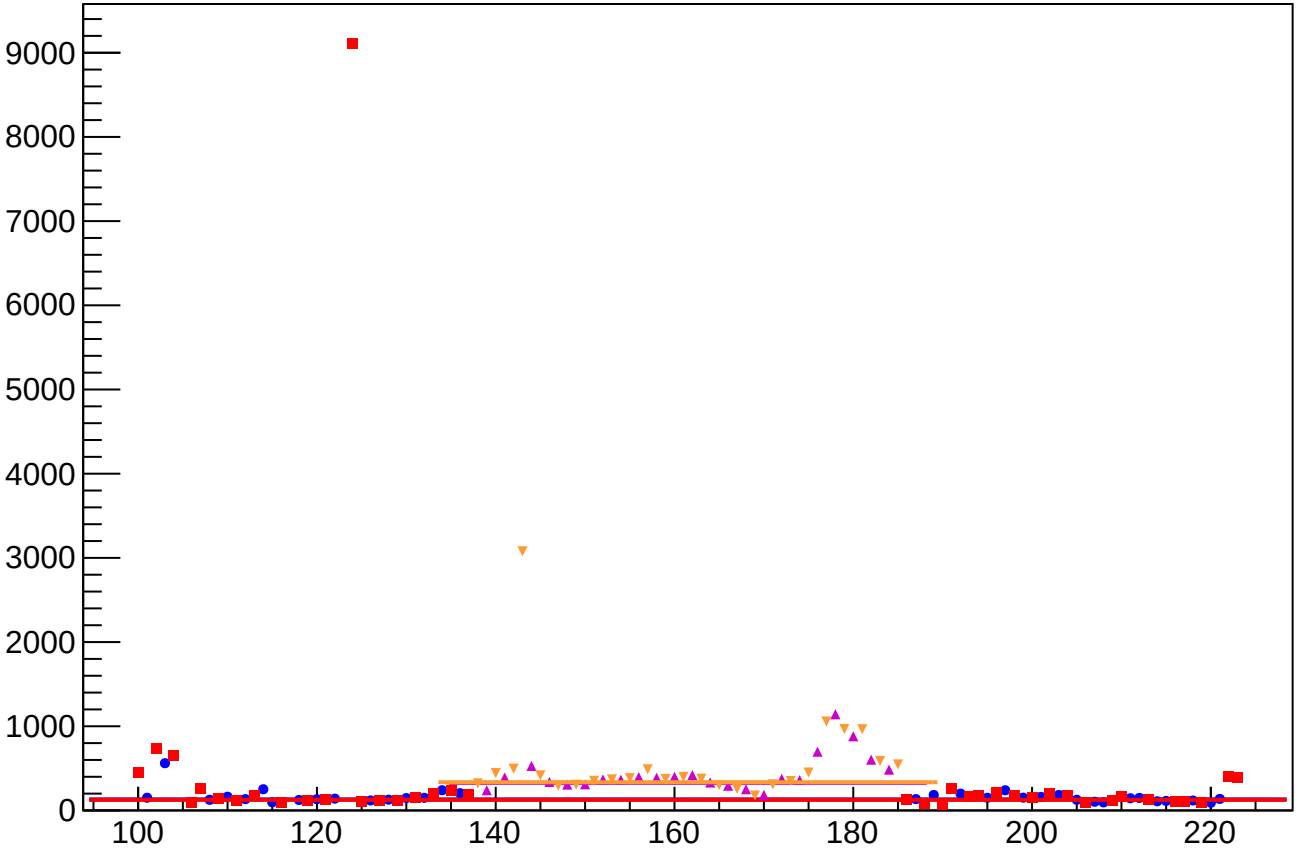
Right: 0.002+/-0.021 χ^2/NDF: 86.8/72

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.013+/-0.028 χ^2/NDF:78.2/63

All: -0.005+/-0.020 χ^2/NDF: 148.8/120

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

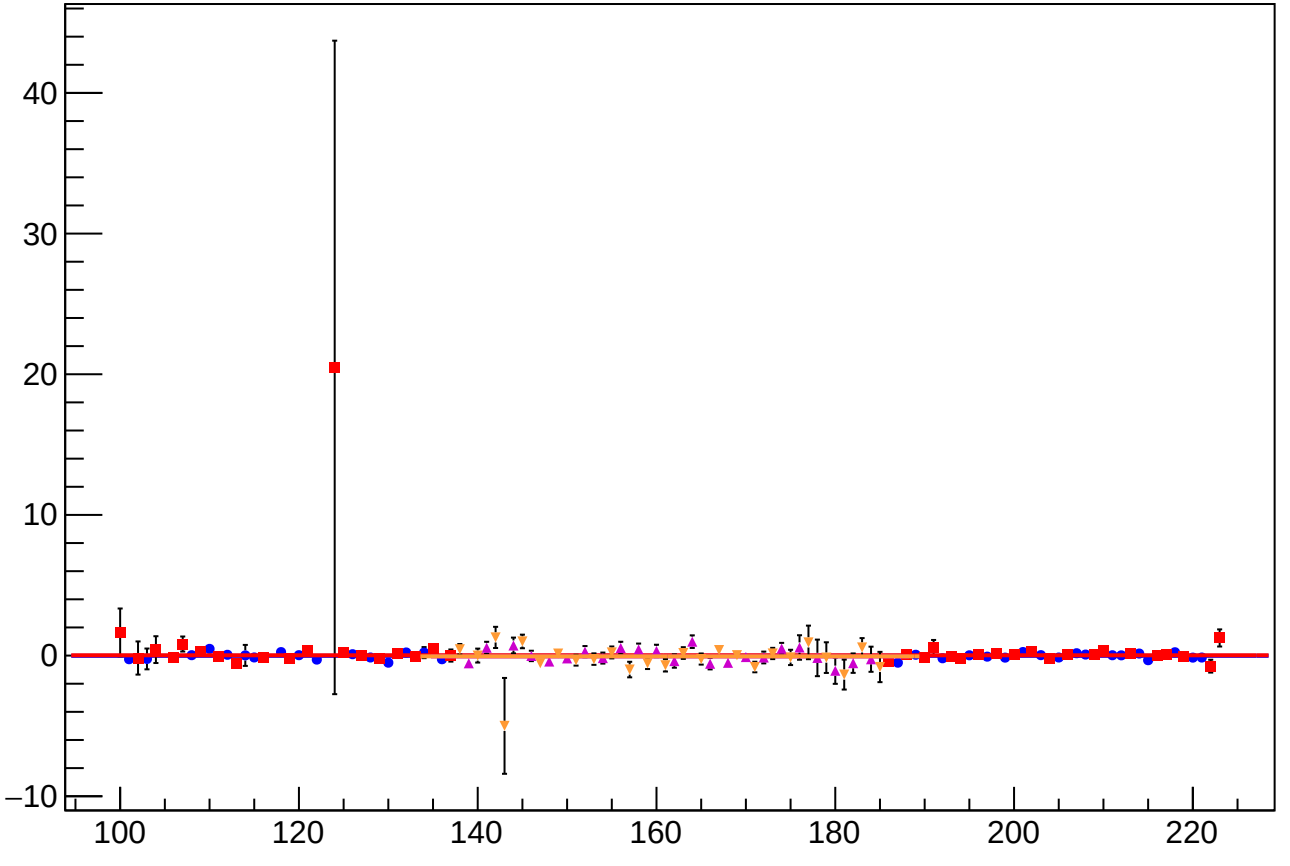
Right: 128.595+/-0.015 χ^2/NDF: 8484873.7/72

In: 154.615+/-0.020 χ^2/NDF:16910040.3/56

Out: 149.362+/-0.020 χ^2/NDF:22328042.2/63

All: 151.954+/-0.014 χ^2/NDF: 39272282.2/12

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

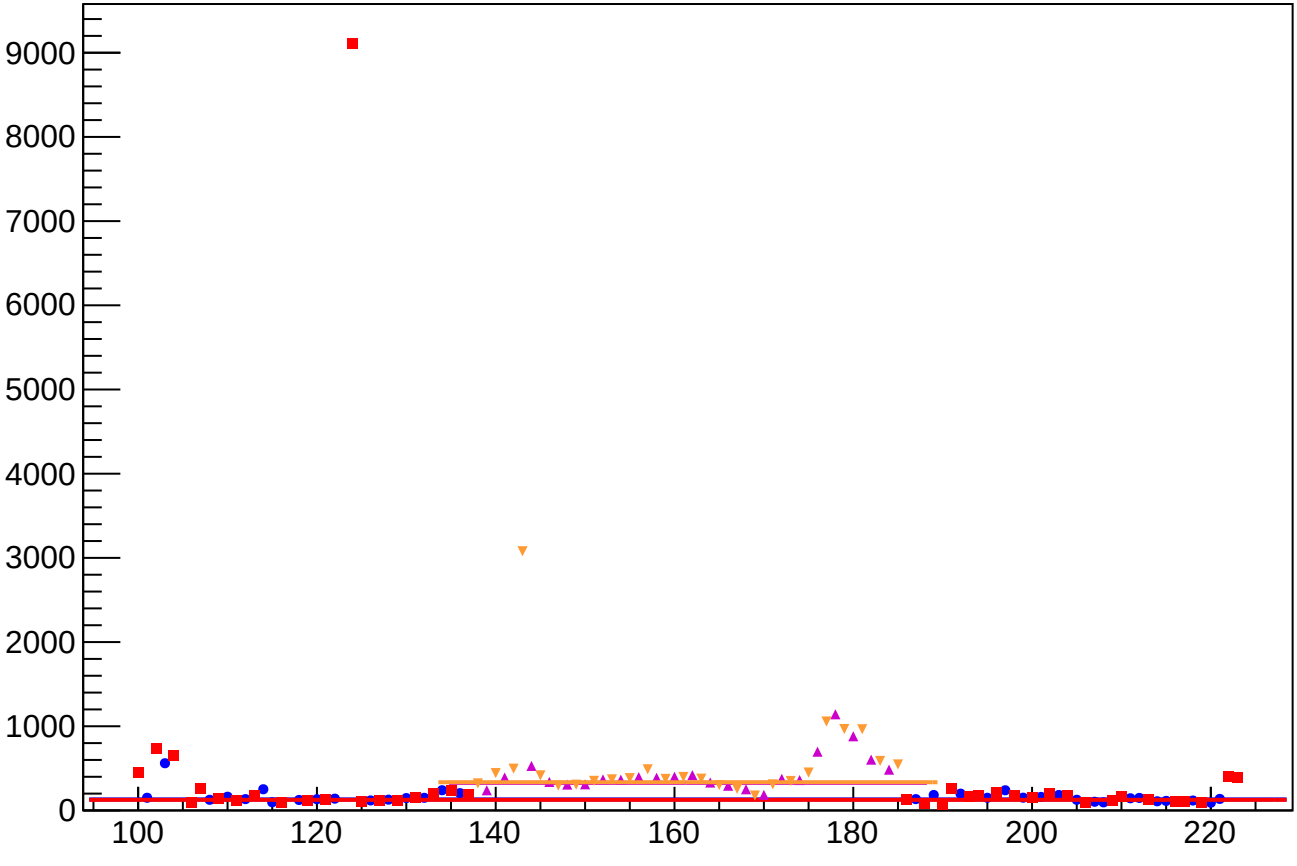
Right: 0.002+/-0.021 χ^2/NDF: 86.8/72

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.013+/-0.028 χ^2/NDF:78.2/63

All: -0.005+/-0.020 χ^2/NDF: 148.8/120

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

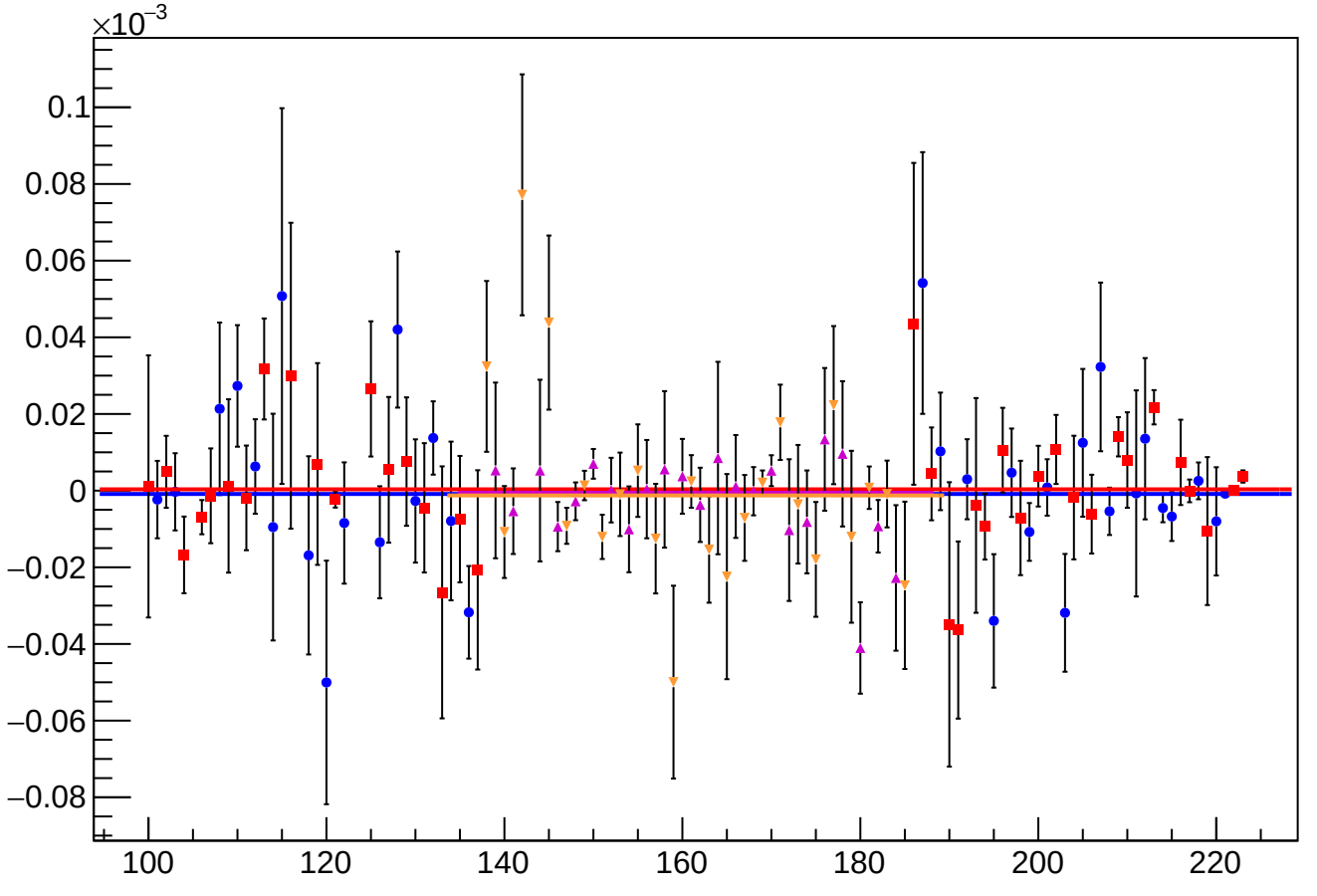
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 128.595+/-0.015 χ^2/NDF: 8484873.7/72

In: 154.615+/-0.020 χ^2/NDF:16910040.3/56

Out: 149.362+/-0.020 χ^2/NDF:22328042.2/63

All: 151.954+/-0.014 χ^2/NDF: 39272282.2/12



Right In: -0.000+/-0.000 χ^2/NDF: 42.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 62.9/37

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

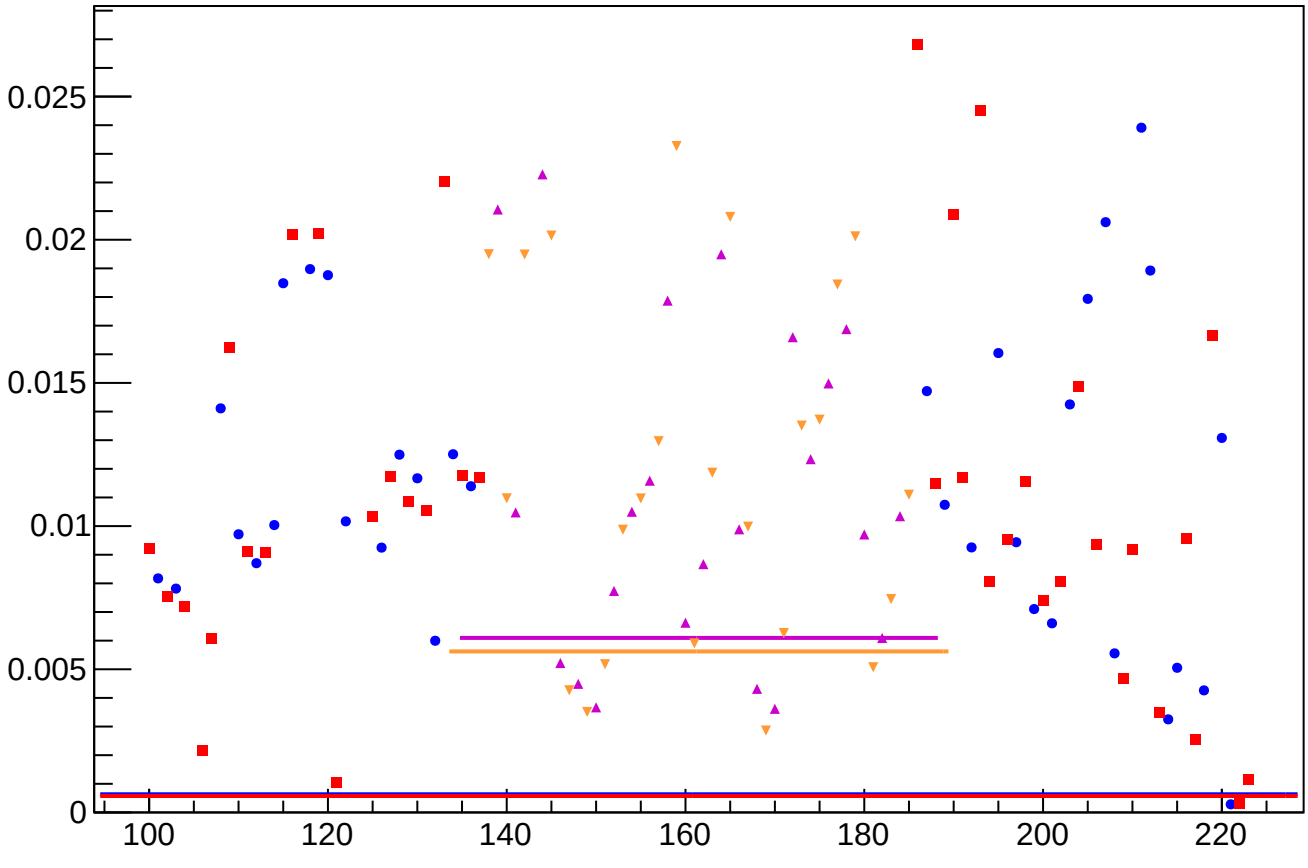
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 110.5/71

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: 0.000+/-0.000 χ^2/NDF:99.5/61

All: -0.000+/-0.000 χ^2/NDF: 172.3/118



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

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

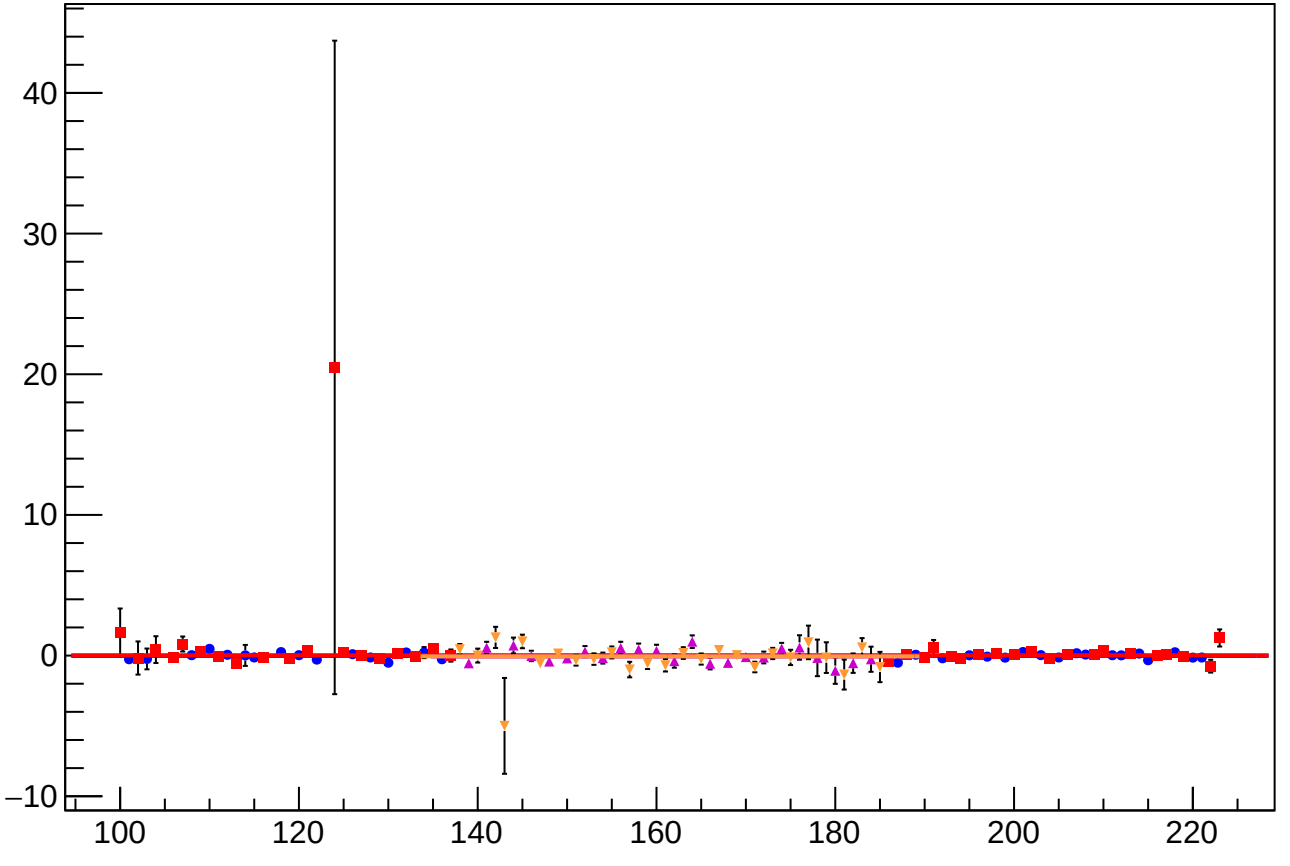
Right: 0.001+/-0.000 χ^2/NDF: 70546971.6/71

In: 0.001+/-0.000 χ^2/NDF:63328418.3/56

Out: 0.001+/-0.000 χ^2/NDF:64833578.0/61

All: 0.001+/-0.000 χ^2/NDF: 128369531.2/118

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

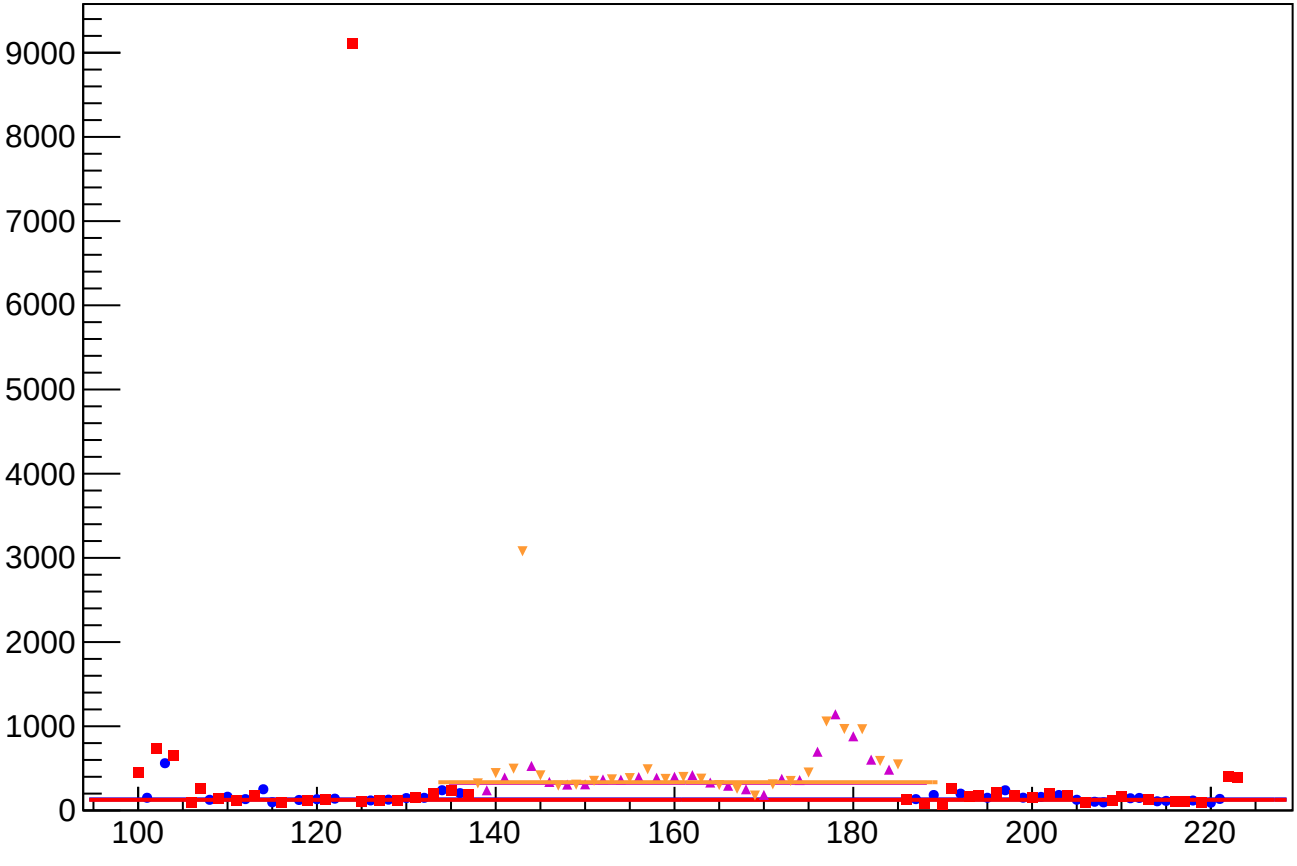
Right: 0.002+/-0.021 χ^2/NDF: 86.8/72

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.013+/-0.028 χ^2/NDF:78.2/63

All: -0.005+/-0.020 χ^2/NDF: 148.8/120

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

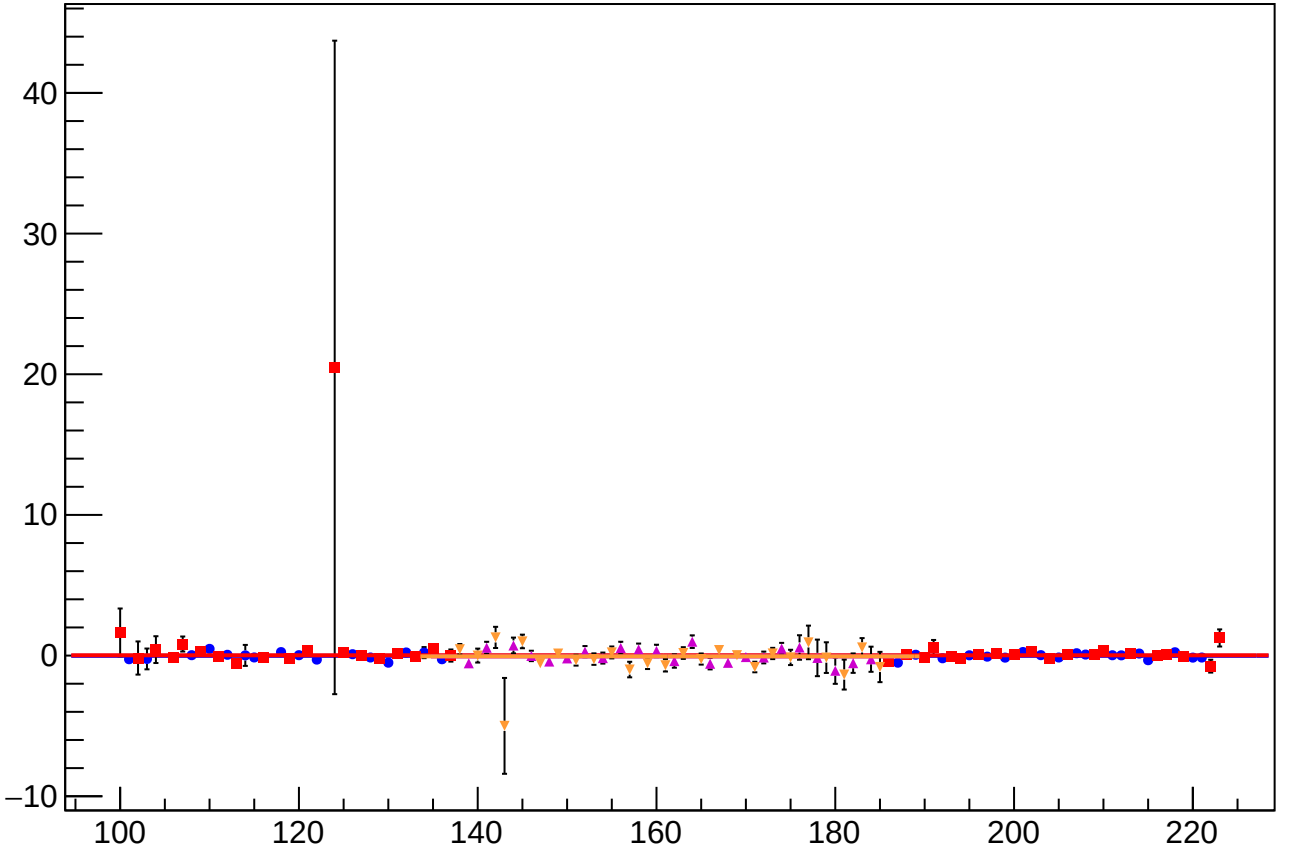
Right: 128.593+/-0.015 χ^2/NDF: 8485197.1/72

In: 154.612+/-0.020 χ^2/NDF:16910620.6/56

Out: 149.360+/-0.020 χ^2/NDF:22328615.8/63

All: 151.951+/-0.014 χ^2/NDF: 39273435.4/12

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

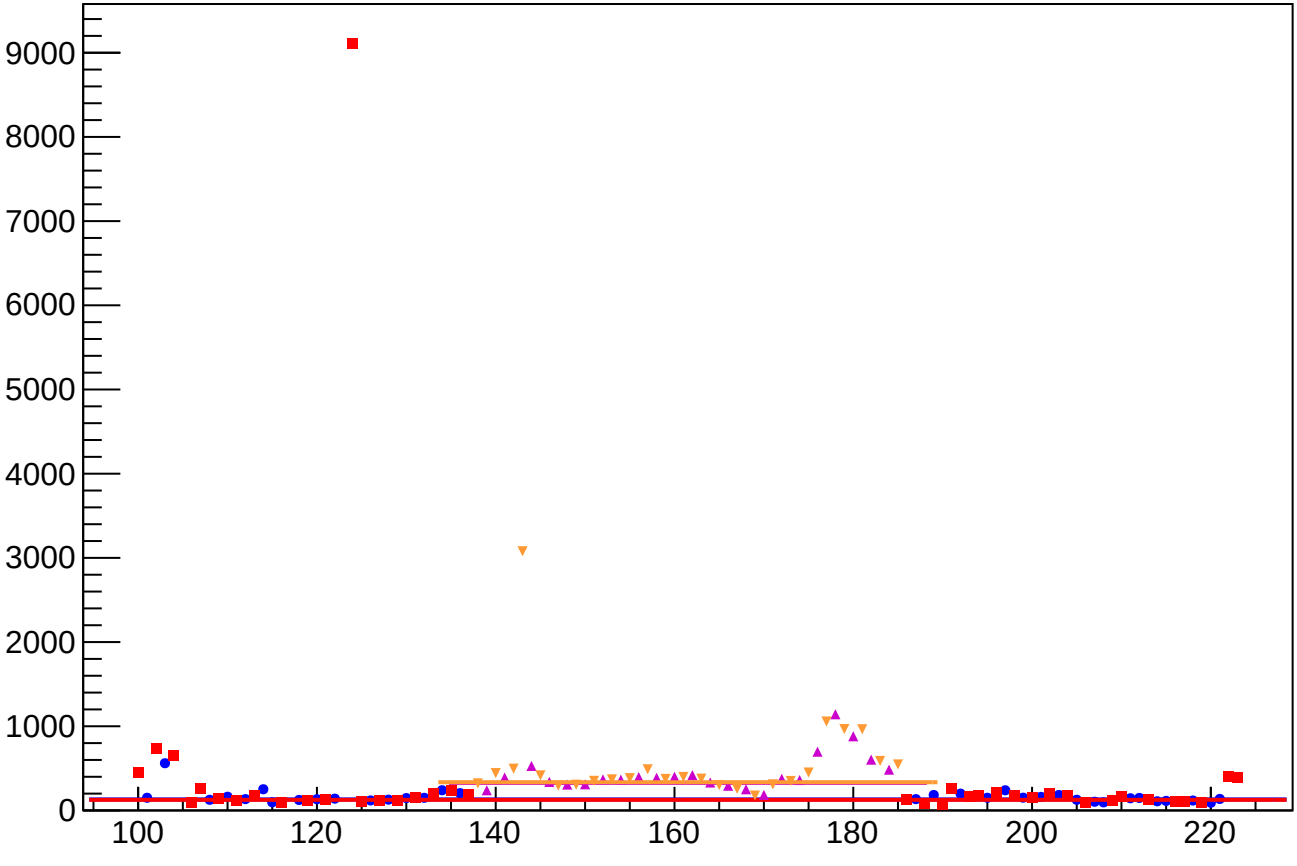
Right: 0.002+/-0.021 χ^2/NDF: 86.8/72

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.013+/-0.028 χ^2/NDF:78.2/63

All: -0.005+/-0.020 χ^2/NDF: 148.8/120

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

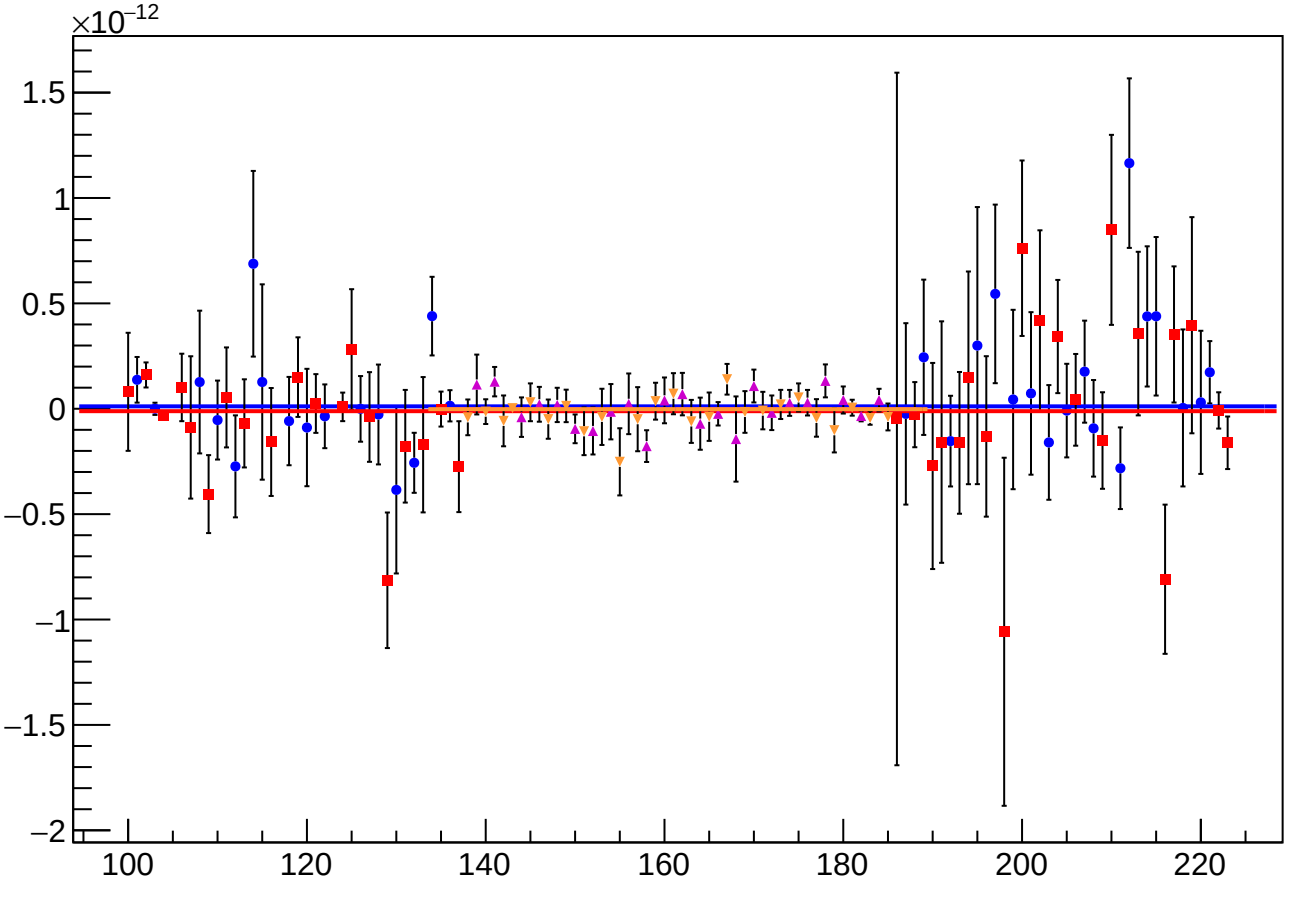
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 128.593+/-0.015 χ^2/NDF: 8485197.1/72

In: 154.612+/-0.020 χ^2/NDF:16910620.6/56

Out: 149.360+/-0.020 χ^2/NDF:22328615.8/63

All: 151.951+/-0.014 χ^2/NDF: 39273435.4/12



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

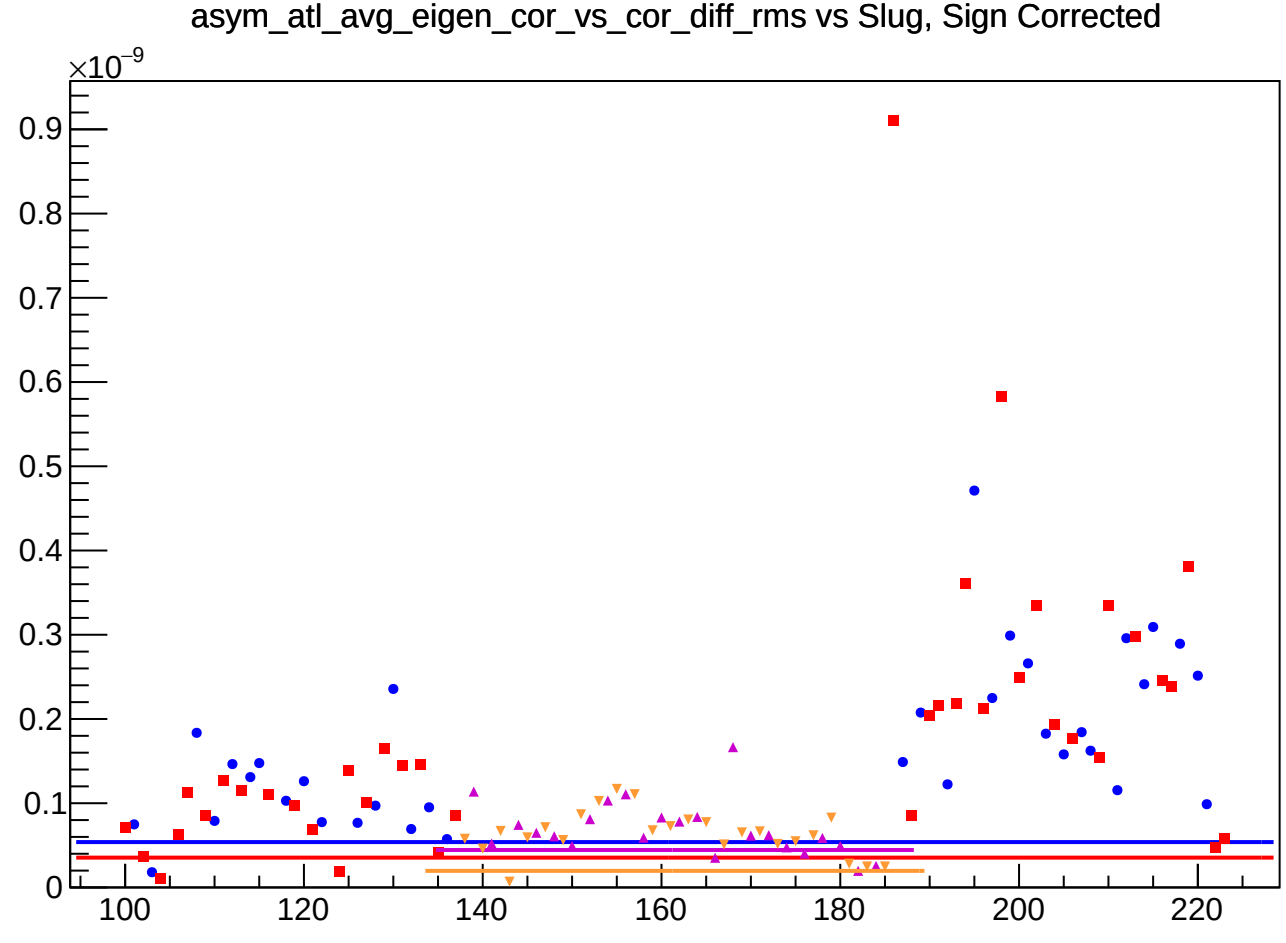
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 82.0/72

In: 0.000+/-0.000 χ^2/NDF:57.0/56

Out: -0.000+/-0.000 χ^2/NDF:60.9/63

All: -0.000+/-0.000 χ^2/NDF: 118.1/120



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

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

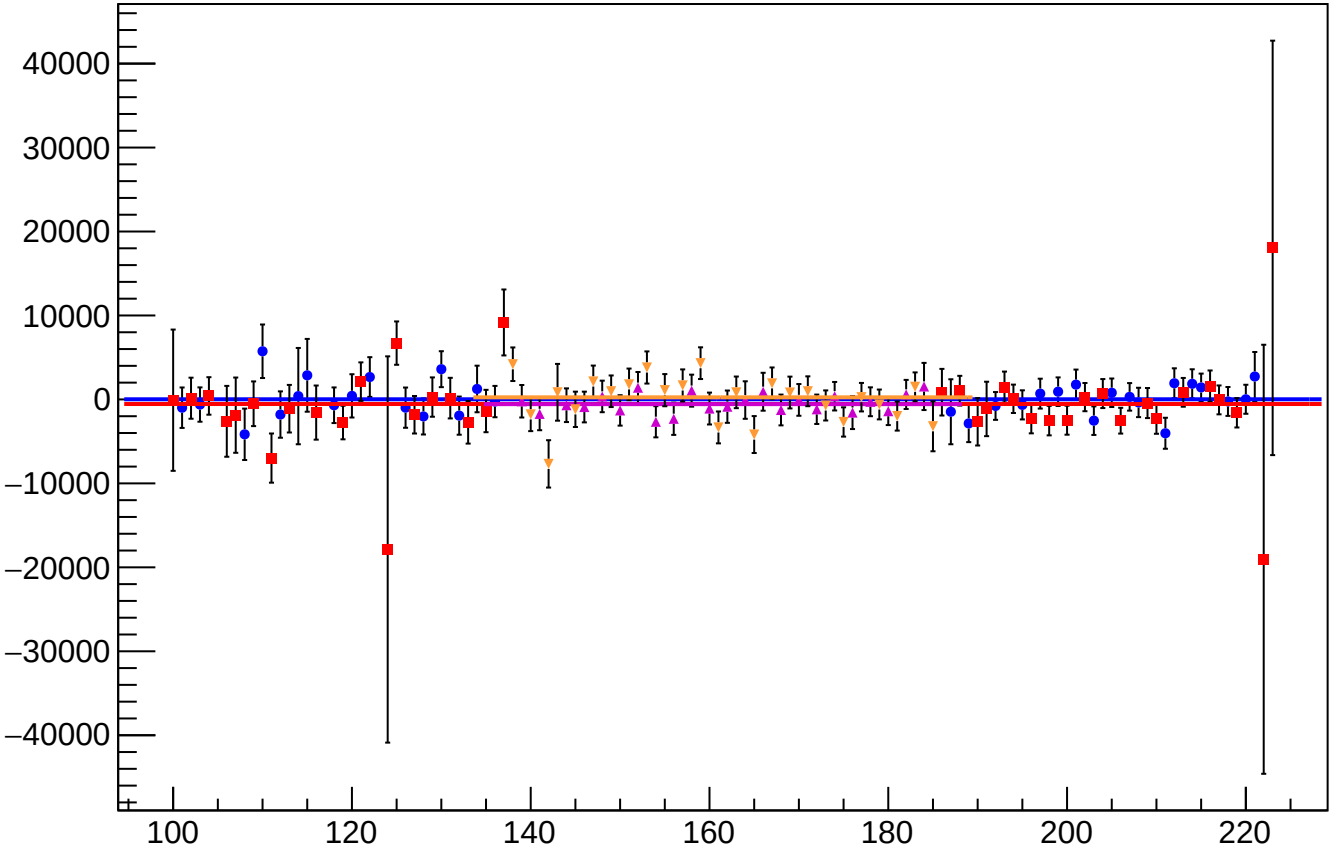
Right: 0.000+/-0.000 χ^2/NDF: 31964203.3/72

In: 0.000+/-0.000 χ^2/NDF:20127326.0/56

Out: 0.000+/-0.000 χ^2/NDF:33374398.4/63

All: 0.000+/-0.000 χ^2/NDF: 59528925.8/120

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

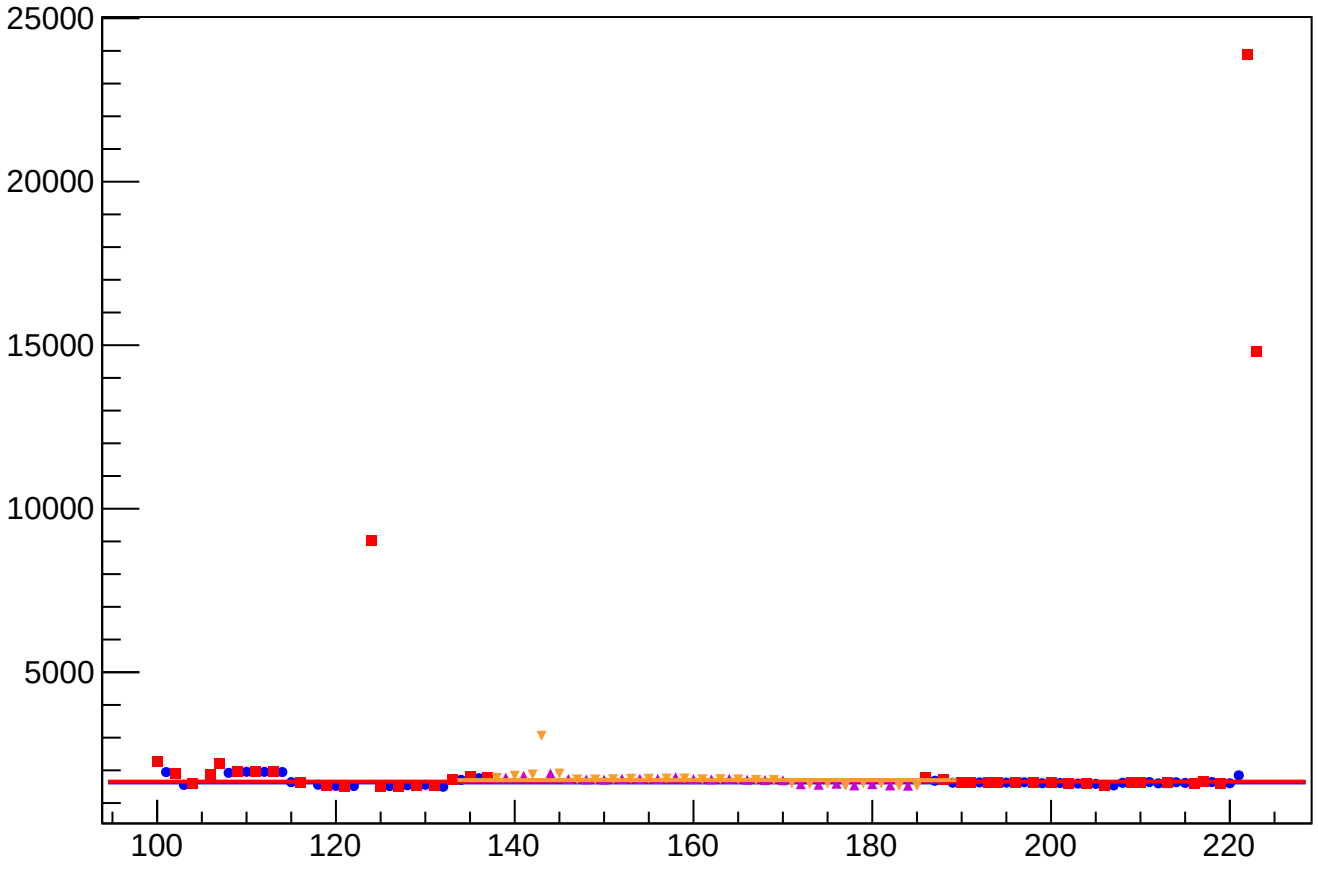
Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

Right: -260.706+/-251.236 χ^2/NDF: 65.9/72

In: -238.982+/-263.176 χ^2/NDF:35.9/56

Out: -181.986+/-263.296 χ^2/NDF:79.3/63

All: -210.497+/-186.136 χ^2/NDF: 115.2/120



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

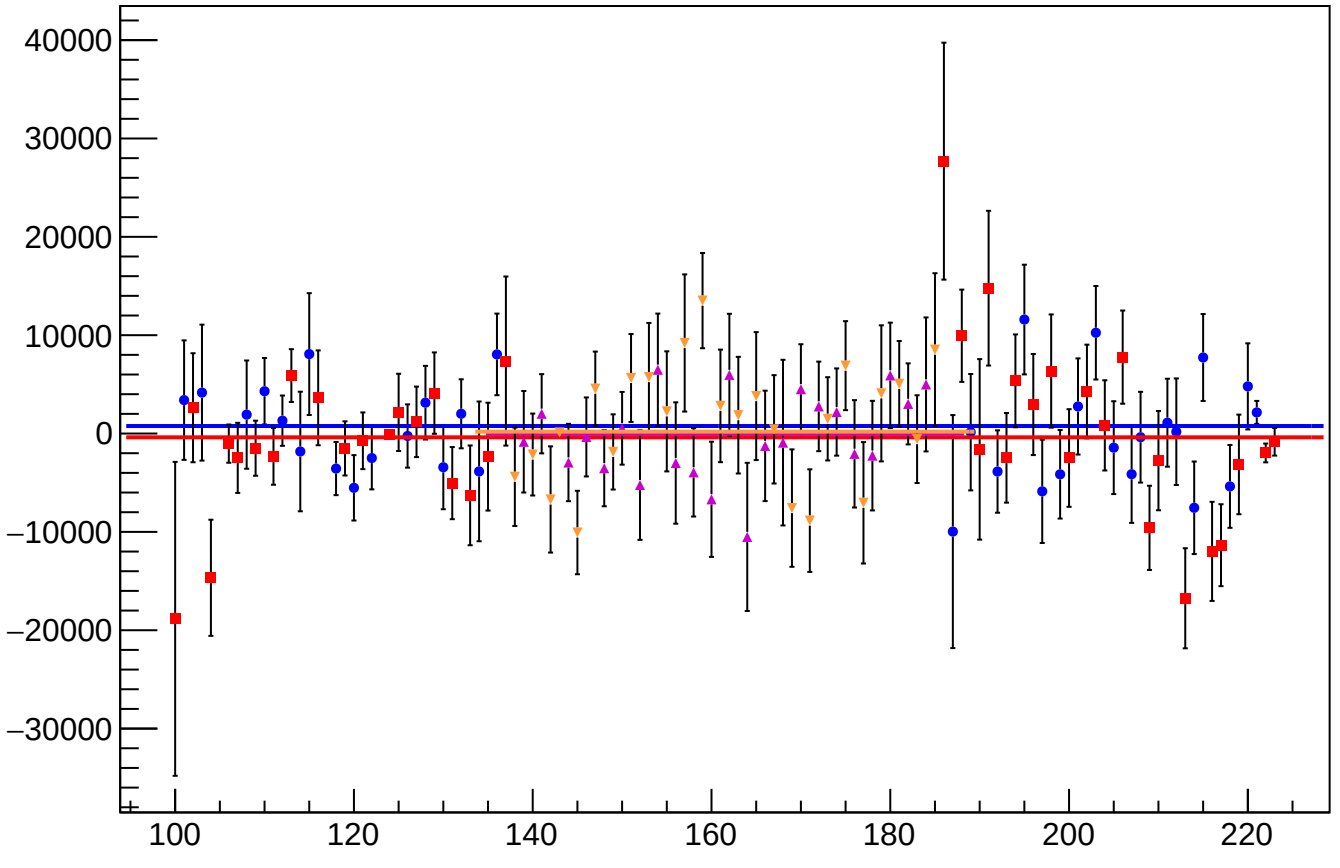
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1642.752+/-0.178 χ^2/NDF: 2681569.5/72

In: 1656.801+/-0.186 χ^2/NDF:315951.0/56

Out: 1676.266+/-0.186 χ^2/NDF:2975656.1/63

All: 1666.536+/-0.132 χ^2/NDF: 3297079.2/12



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

Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

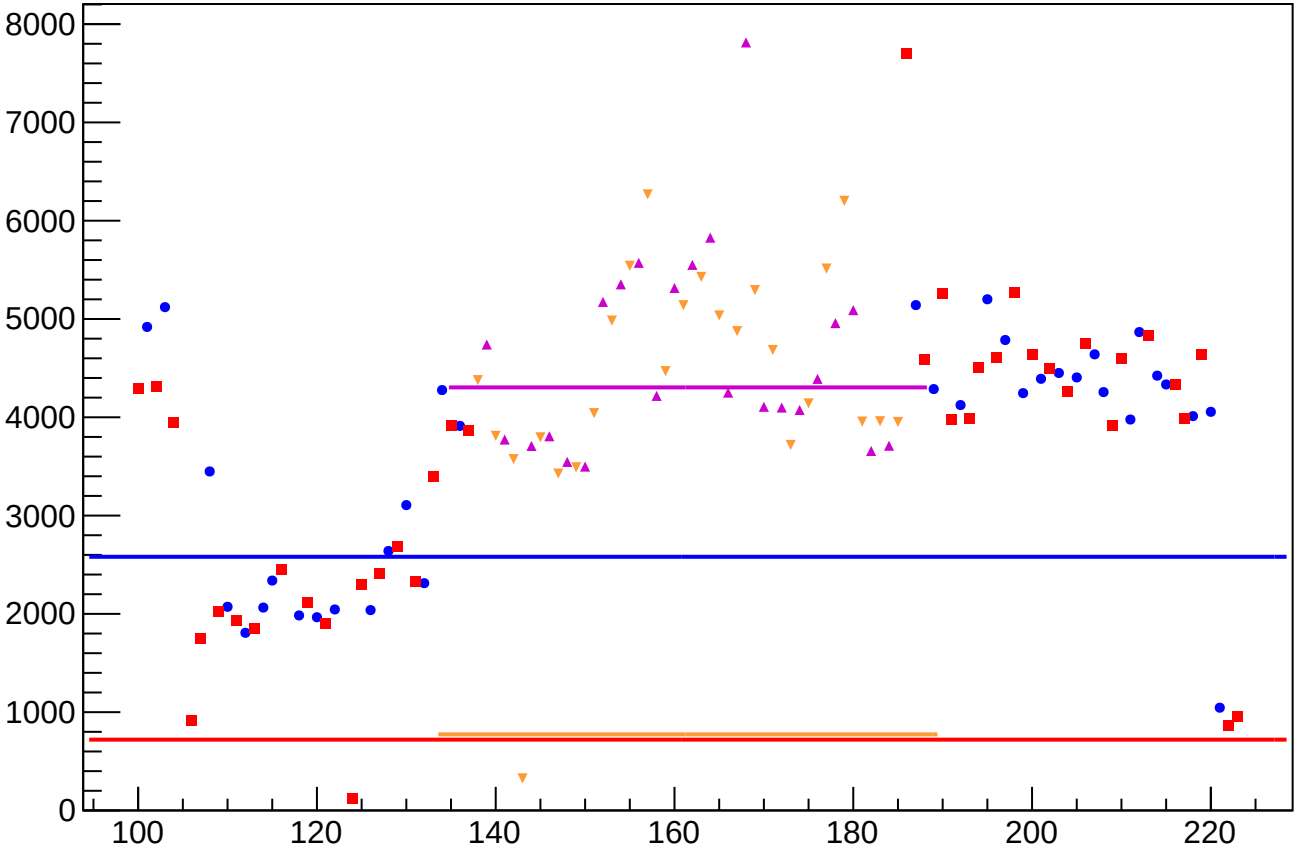
Right: -182.239+/-263.815 χ^2/NDF: 116.0/72

In: 547.951+/-535.722 χ^2/NDF:53.2/56

Out: -143.226+/-221.795 χ^2/NDF:109.3/63

All: -42.090+/-204.927 χ^2/NDF: 163.9/120

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



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

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

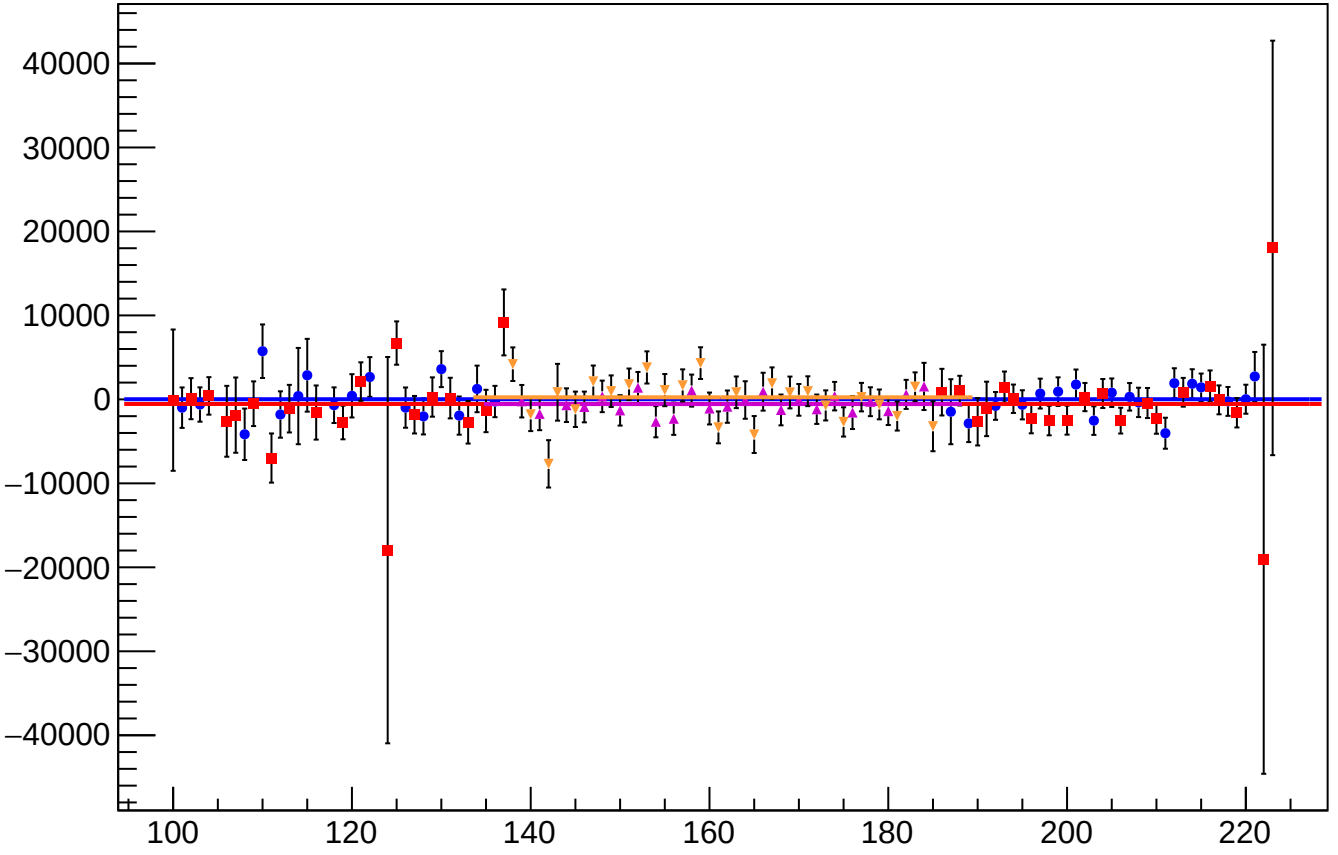
Right: 1048.408+/-0.187 χ^2/NDF: 56783985.4/72

In: 3051.087+/-0.379 χ^2/NDF:15003063.0/56

Out: 742.876+/-0.157 χ^2/NDF:60772794.5/63

All: 1080.624+/-0.145 χ^2/NDF: 107471142.9

cor_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

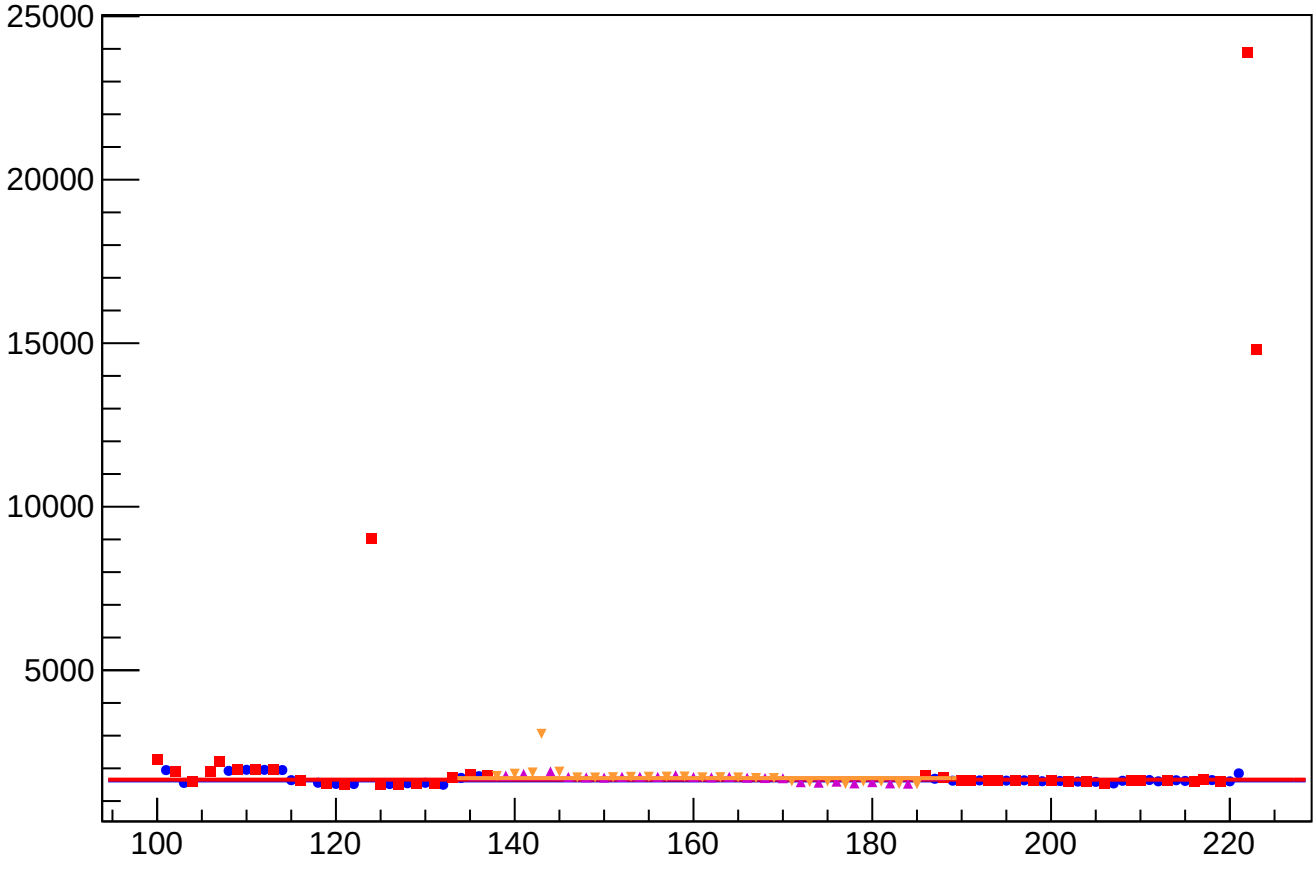
Right: -261.364+/-251.236 χ^2/NDF: 65.9/72

In: -238.943+/-263.176 χ^2/NDF:35.9/56

Out: -182.739+/-263.297 χ^2/NDF:79.3/63

All: -210.854+/-186.136 χ^2/NDF: 115.2/120

cor_asym_atl_dd_rms vs Slug, Sign Corrected



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

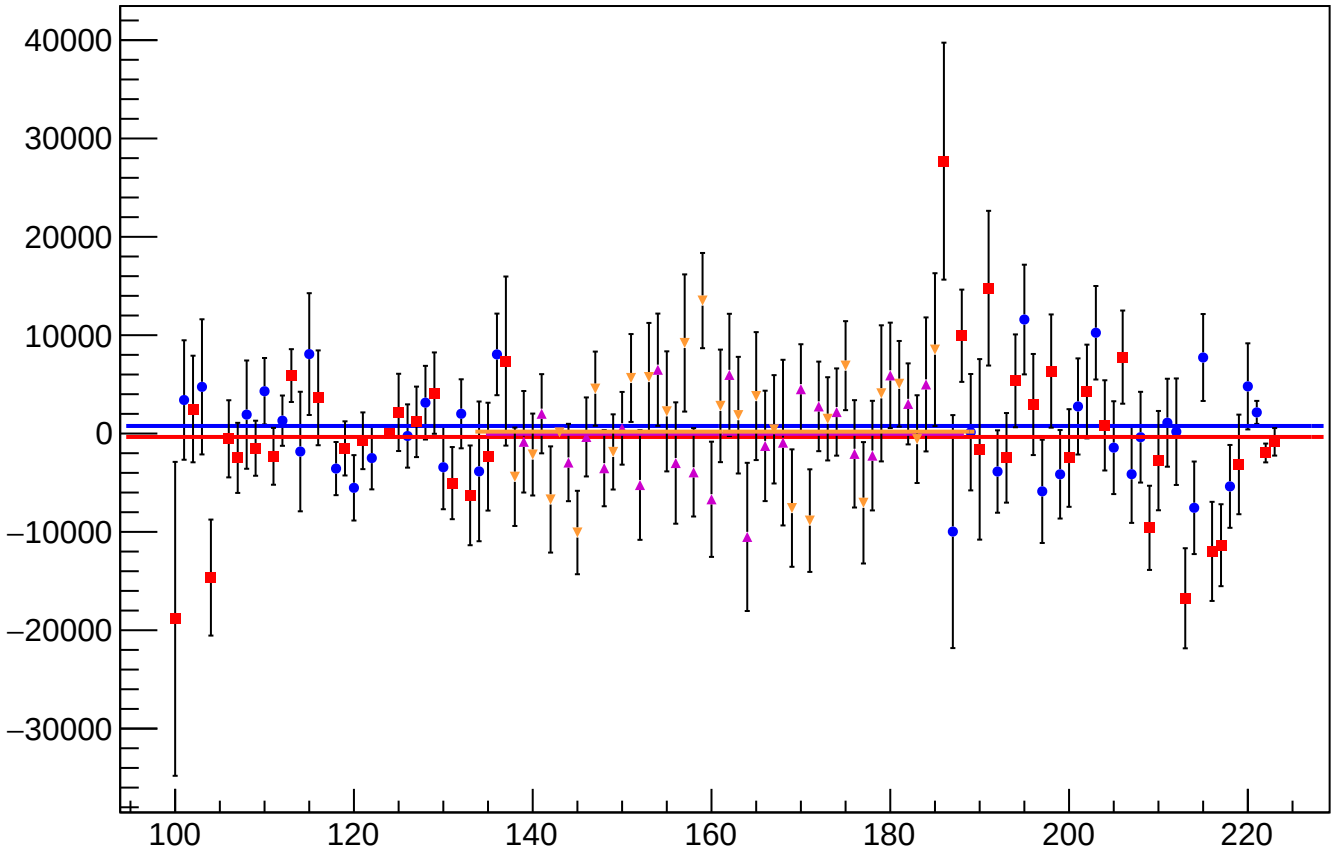
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1642.870+/-0.178 χ^2/NDF: 2683738.5/72

In: 1656.801+/-0.186 χ^2/NDF:315951.0/56

Out: 1676.400+/-0.186 χ^2/NDF:2977569.7/63

All: 1666.603+/-0.132 χ^2/NDF: 3299068.4/12



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

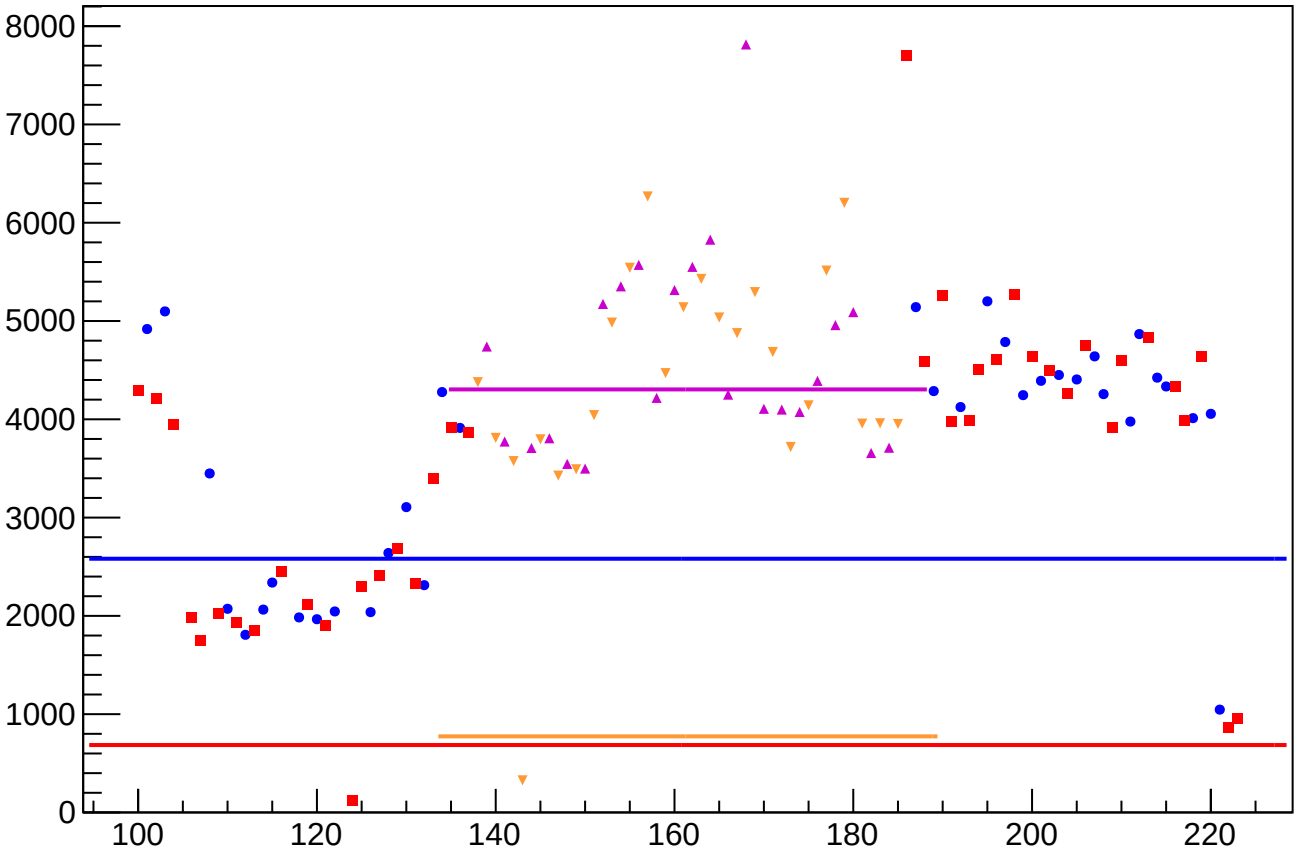
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -157.282+/-259.459 χ^2/NDF: 115.9/72

In: 551.698+/-535.751 χ^2/NDF:53.3/56

Out: -126.757+/-219.180 χ^2/NDF:109.1/63

All: -29.485+/-202.860 χ^2/NDF: 163.8/120



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

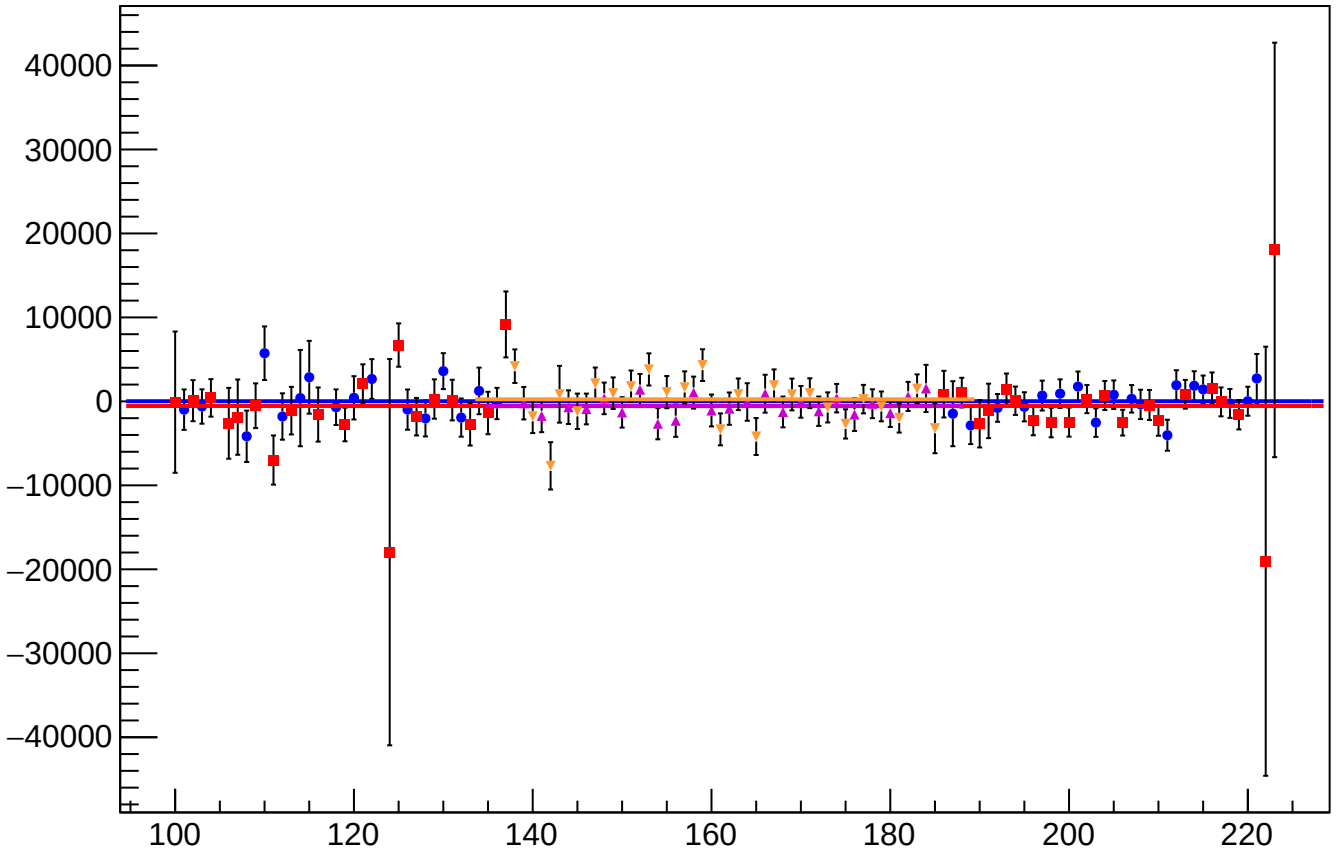
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 1009.228+/-0.183 χ^2/NDF: 58178462.0/72

In: 3051.587+/-0.379 χ^2/NDF:14992406.5/56

Out: 721.980+/-0.155 χ^2/NDF:61573573.1/63

All: 1055.983+/-0.143 χ^2/NDF: 108959719.9



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

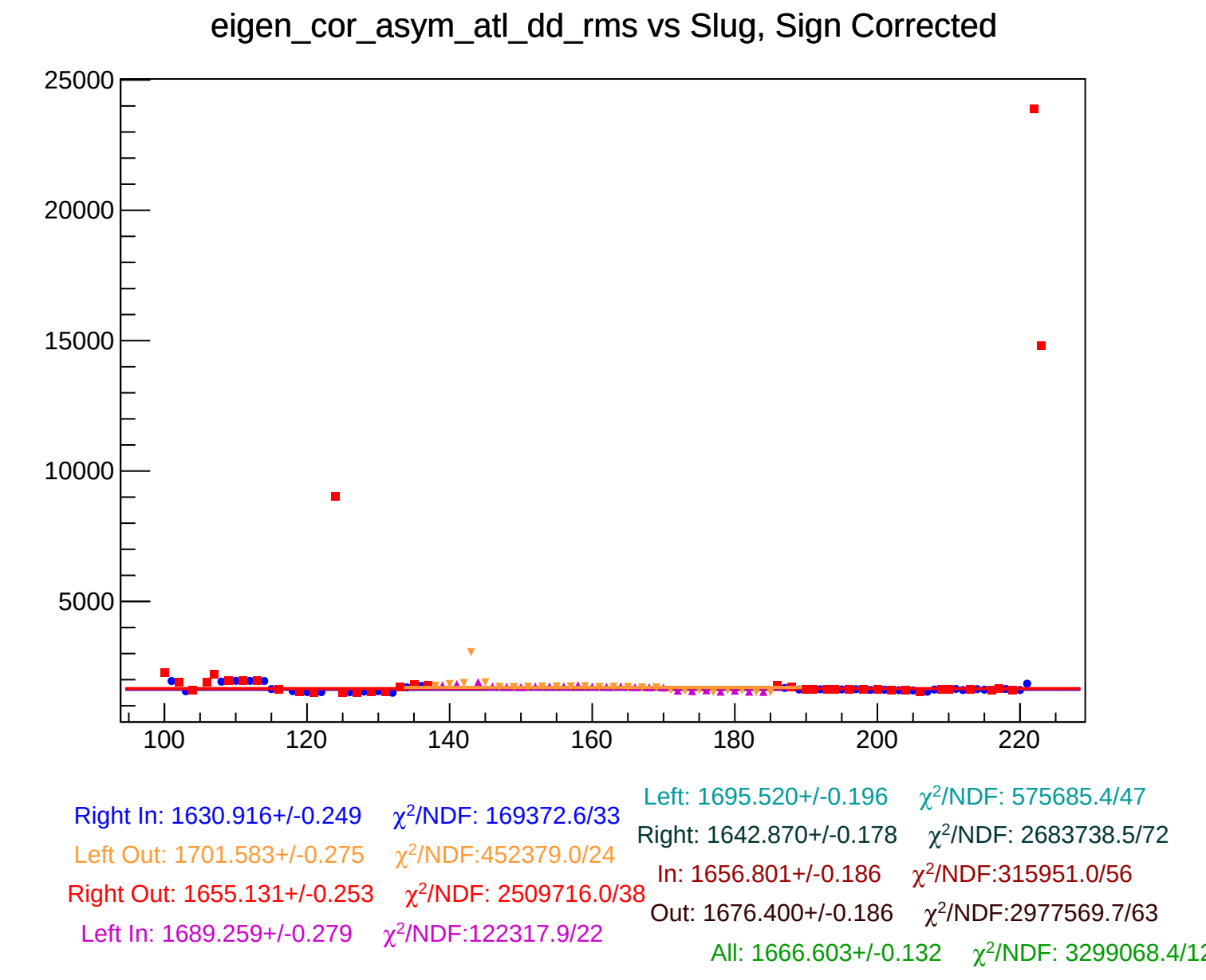
Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

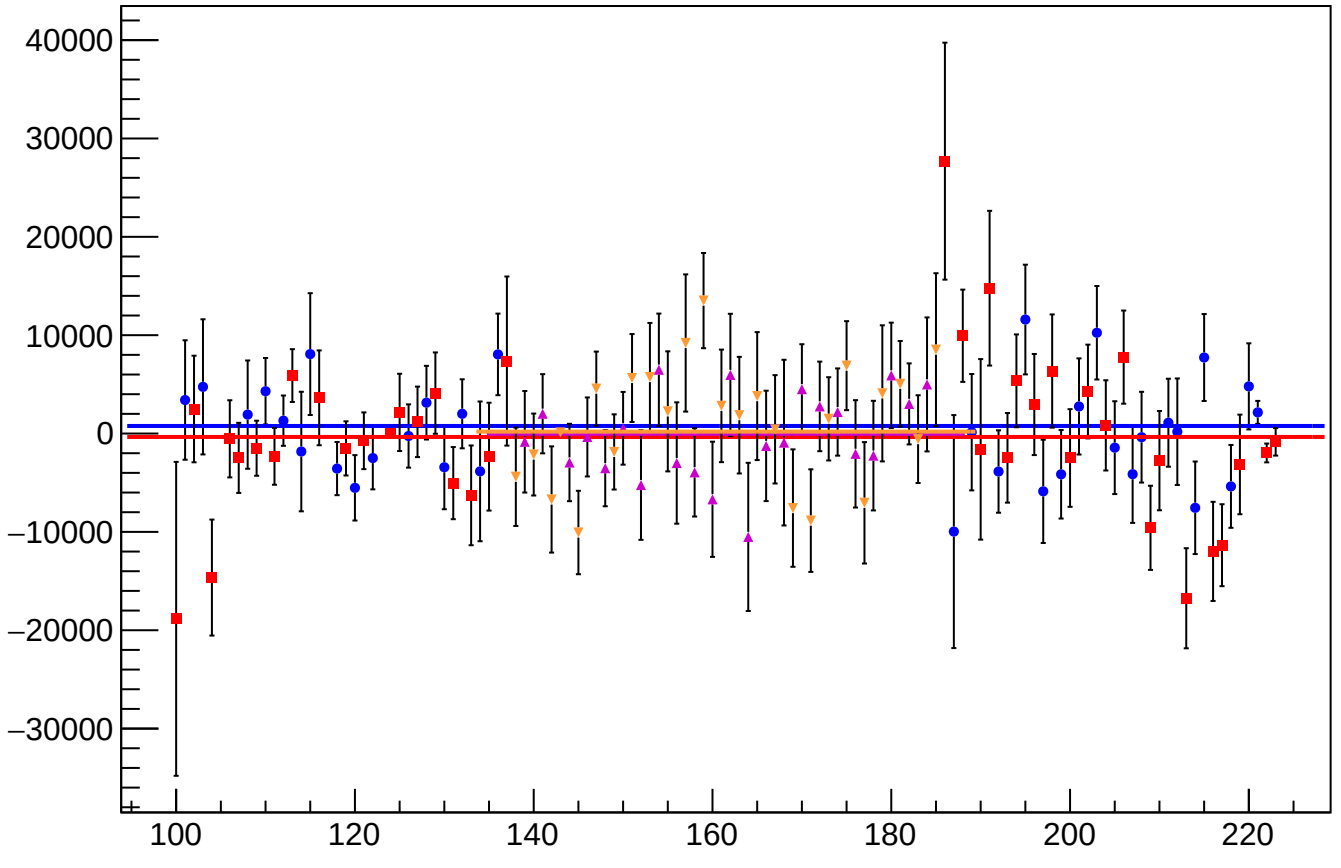
Right: -261.364+/-251.236 χ^2/NDF: 65.9/72

In: -238.943+/-263.176 χ^2/NDF:35.9/56

Out: -182.739+/-263.297 χ^2/NDF:79.3/63

All: -210.854+/-186.136 χ^2/NDF: 115.2/120


eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 1630.916+/-0.249 χ²/NDF: 169372.6/33
Left Out: 1701.583+/-0.275 χ²/NDF:452379.0/24
Right Out: 1655.131+/-0.253 χ²/NDF: 2509716.0/38
Left In: 1689.259+/-0.279 χ²/NDF:122317.9/22
Left: 1695.520+/-0.196 χ²/NDF: 575685.4/47
Right: 1642.870+/-0.178 χ²/NDF: 2683738.5/72
In: 1656.801+/-0.186 χ²/NDF:315951.0/56
Out: 1676.400+/-0.186 χ²/NDF:2977569.7/63
All: 1666.603+/-0.132 χ²/NDF: 3299068.4/12



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

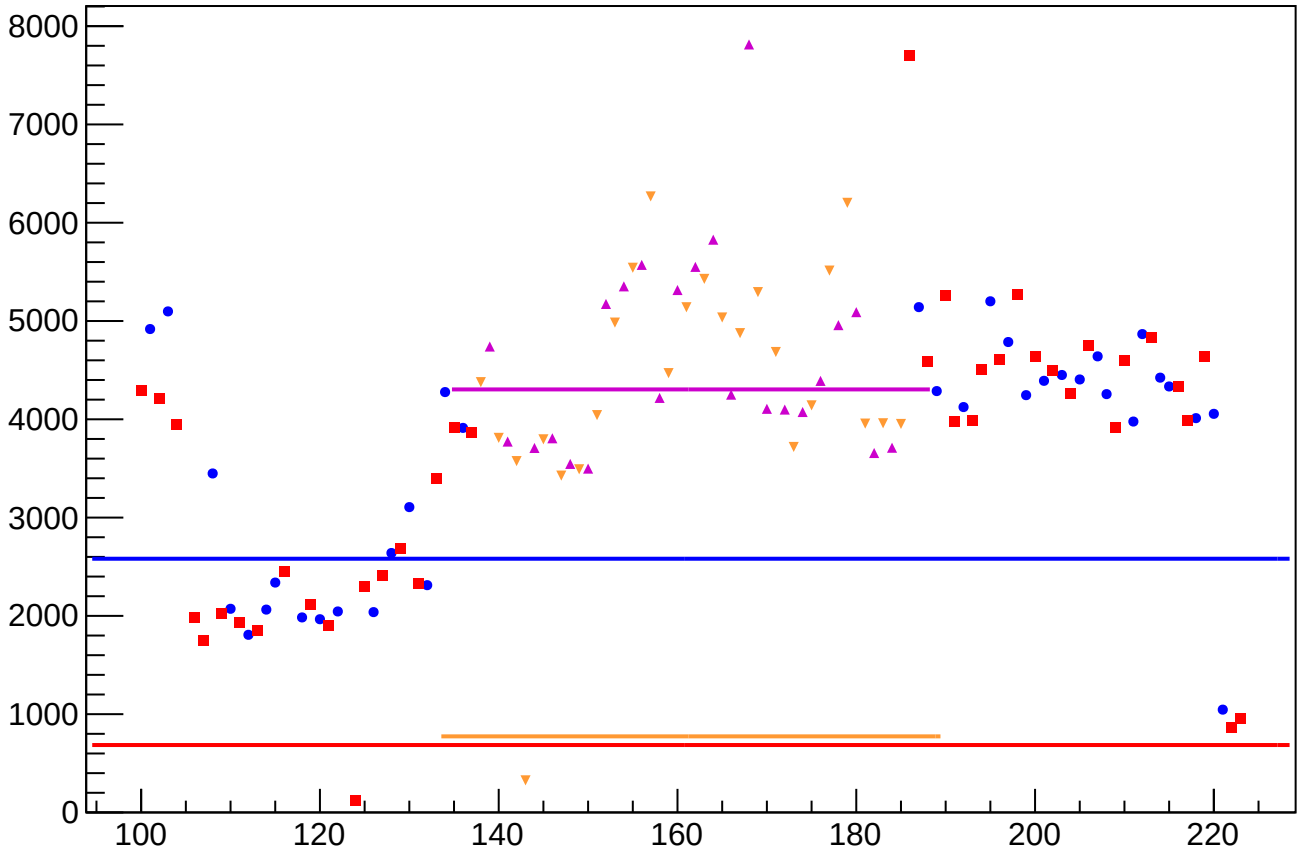
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -157.282+/-259.459 χ^2/NDF: 115.9/72

In: 551.698+/-535.751 χ^2/NDF:53.3/56

Out: -126.757+/-219.180 χ^2/NDF:109.1/63

All: -29.485+/-202.860 χ^2/NDF: 163.8/120



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

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

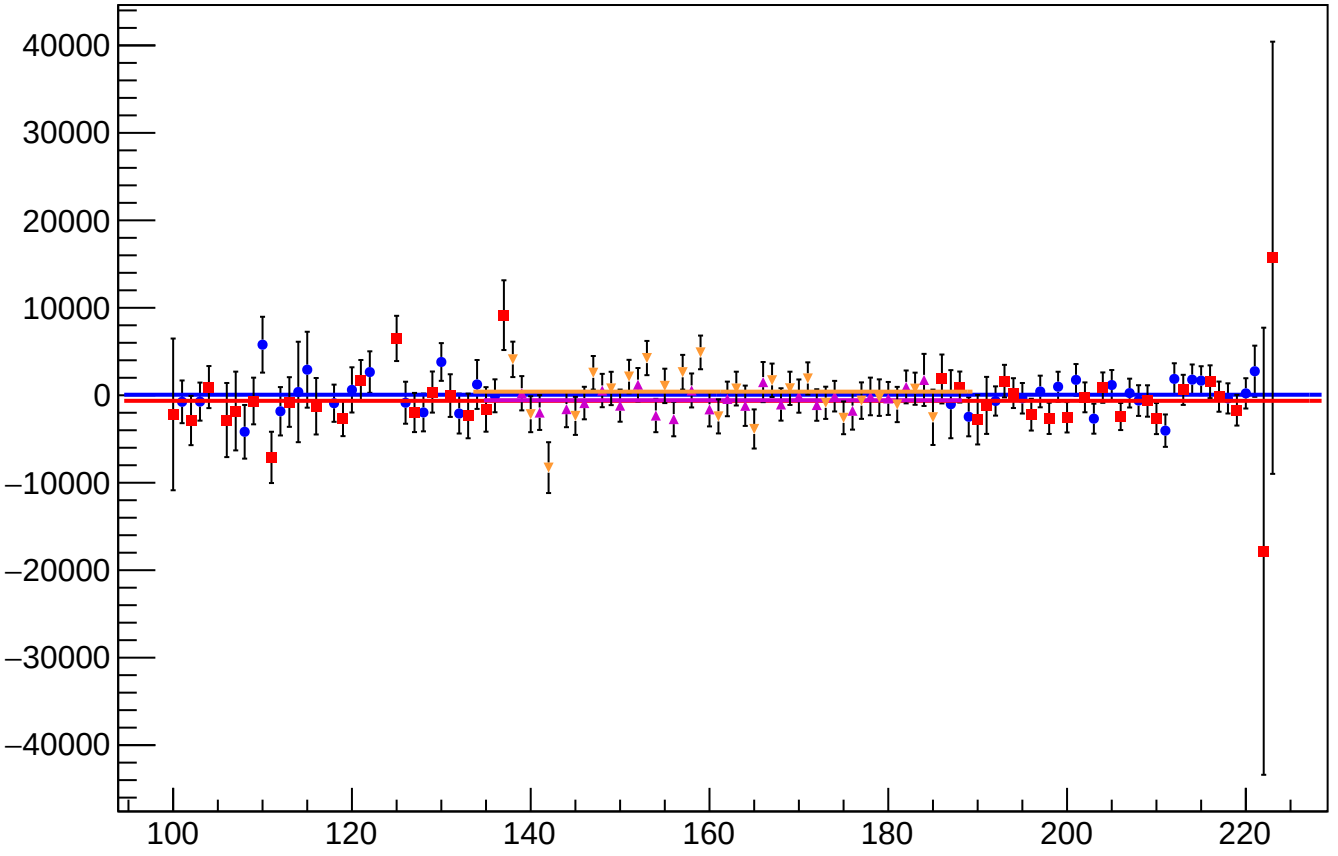
Right: 1009.228+/-0.183 χ^2/NDF: 58178462.0/72

In: 3051.587+/-0.379 χ^2/NDF:14992406.5/56

Out: 721.980+/-0.155 χ^2/NDF:61573573.1/63

All: 1055.983+/-0.143 χ^2/NDF: 108959719.9

dit_asym_atl_dd_mean vs Slug, Sign Corrected



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

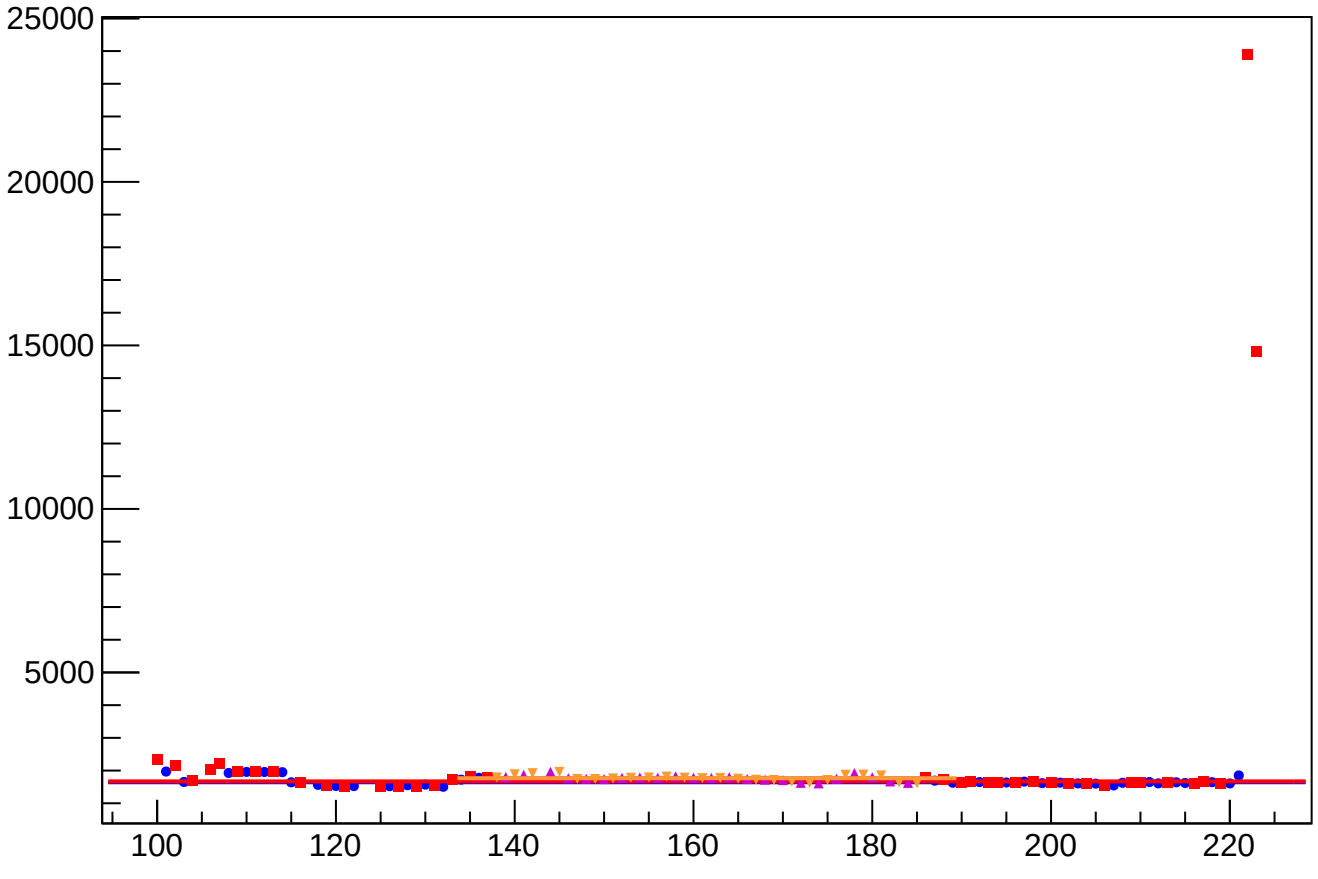
Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

Right: -280.833+/-253.447 χ^2/NDF: 66.5/71

In: -207.359+/-269.131 χ^2/NDF:36.6/56

Out: -177.188+/-271.316 χ^2/NDF:80.7/61

All: -192.395+/-191.072 χ^2/NDF: 117.3/118



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

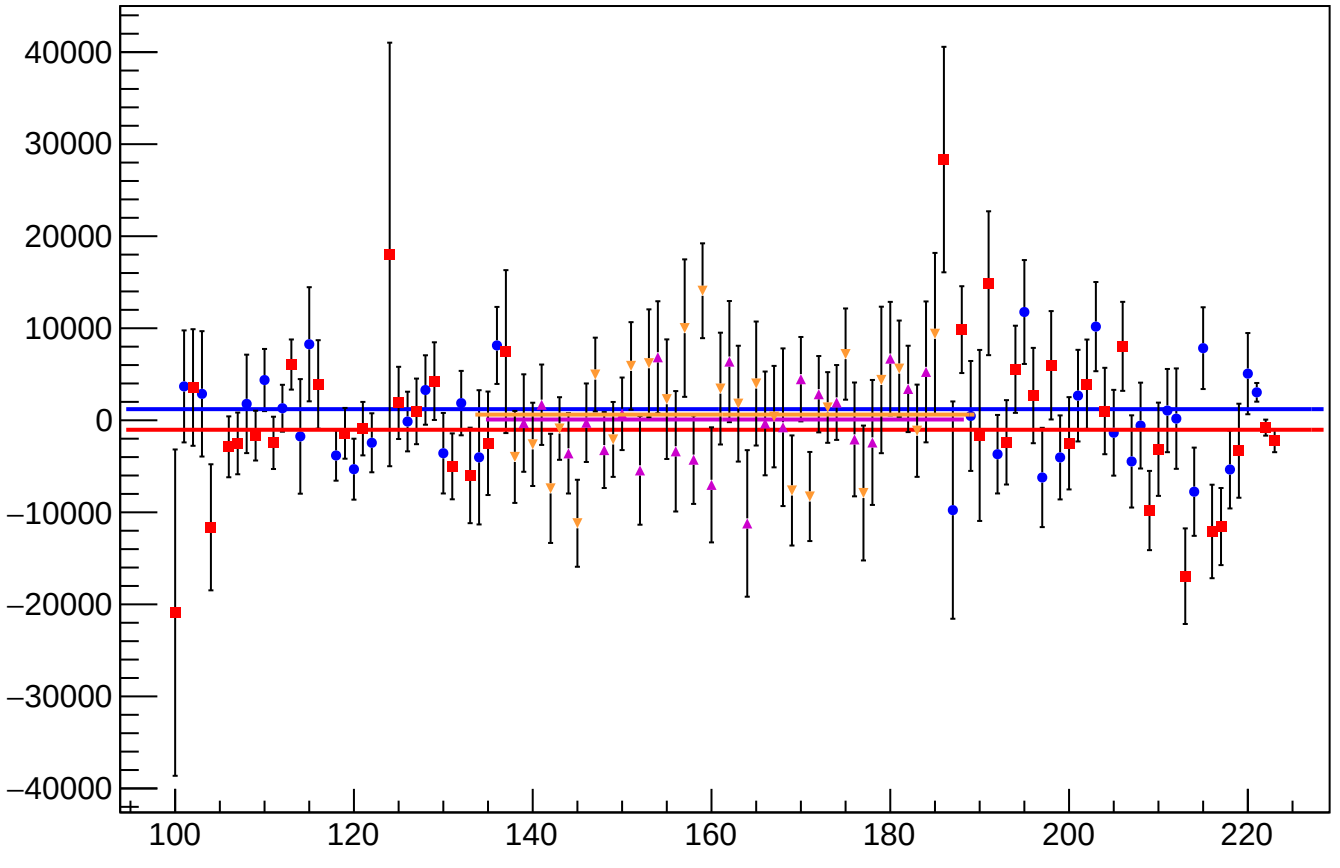
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1655.579+/-0.179 χ^2/NDF: 2524077.0/71

In: 1693.791+/-0.190 χ^2/NDF:344894.0/56

Out: 1711.292+/-0.192 χ^2/NDF:2497220.4/61

All: 1702.475+/-0.135 χ^2/NDF: 2846310.5/11



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

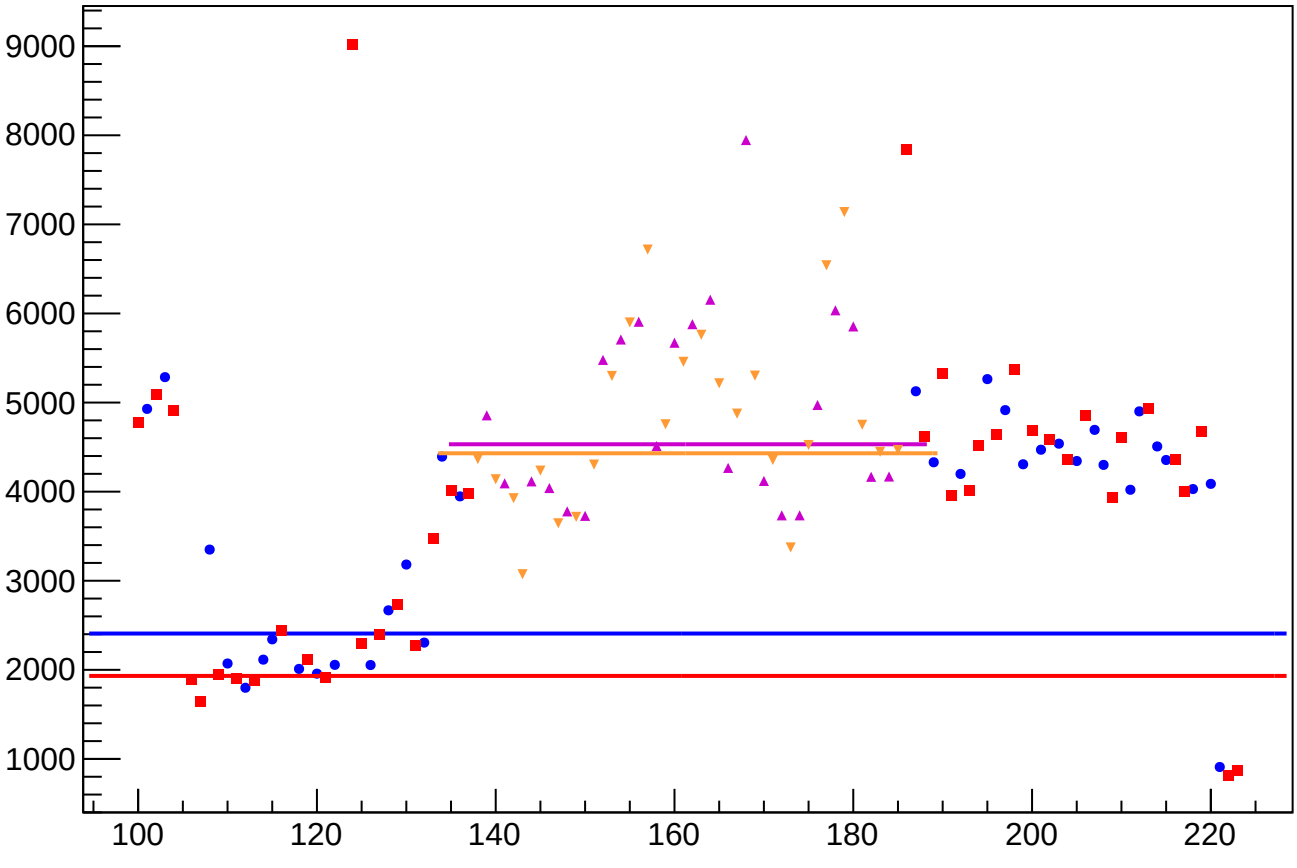
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: -111.530+/-386.414 χ^2/NDF: 119.7/72

In: 942.810+/-526.968 χ^2/NDF:56.2/56

Out: -714.683+/-452.510 χ^2/NDF:104.2/63

All: -11.211+/-343.306 χ^2/NDF: 166.1/120



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

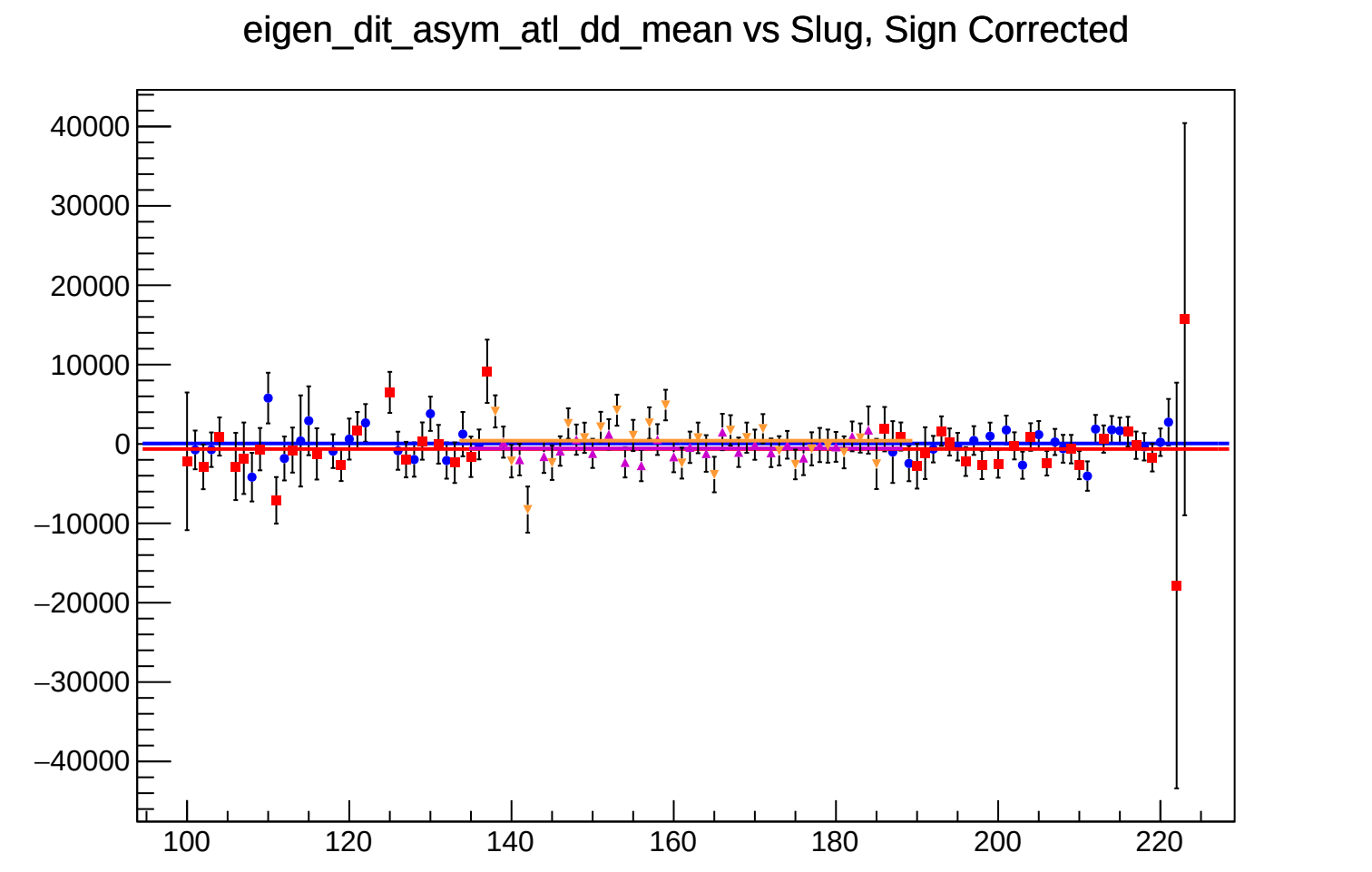
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2126.975+/-0.273 χ^2/NDF: 28533526.0/72

In: 2910.978+/-0.373 χ^2/NDF:18934824.8/56

Out: 2409.786+/-0.320 χ^2/NDF:27167892.4/63

All: 2622.502+/-0.243 χ^2/NDF: 47144018.8/1



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

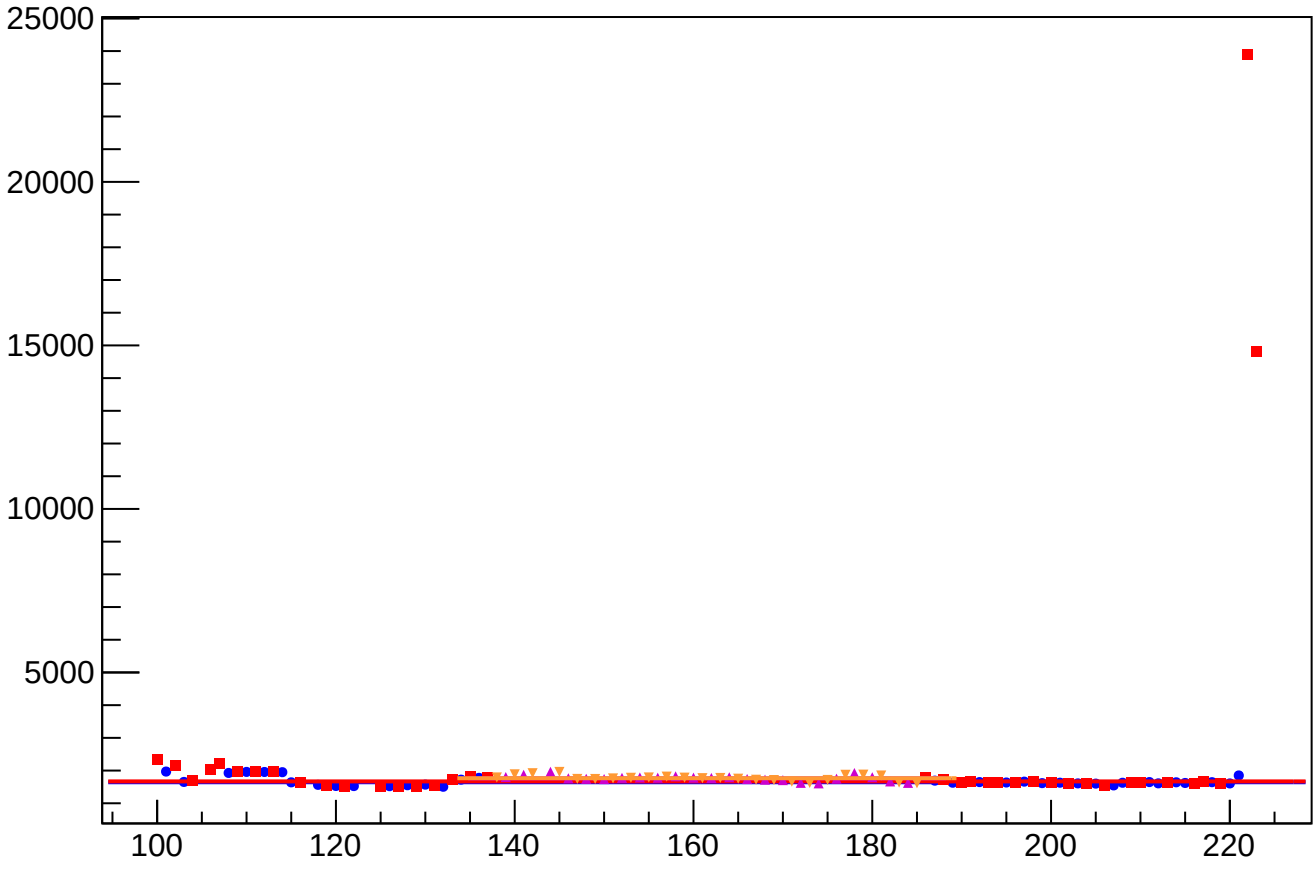
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -280.833+/-253.447 χ^2/NDF: 66.5/71

In: -207.360+/-269.131 χ^2/NDF:36.6/56

Out: -177.185+/-271.316 χ^2/NDF:80.7/61

All: -192.395+/-191.072 χ^2/NDF: 117.3/118



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

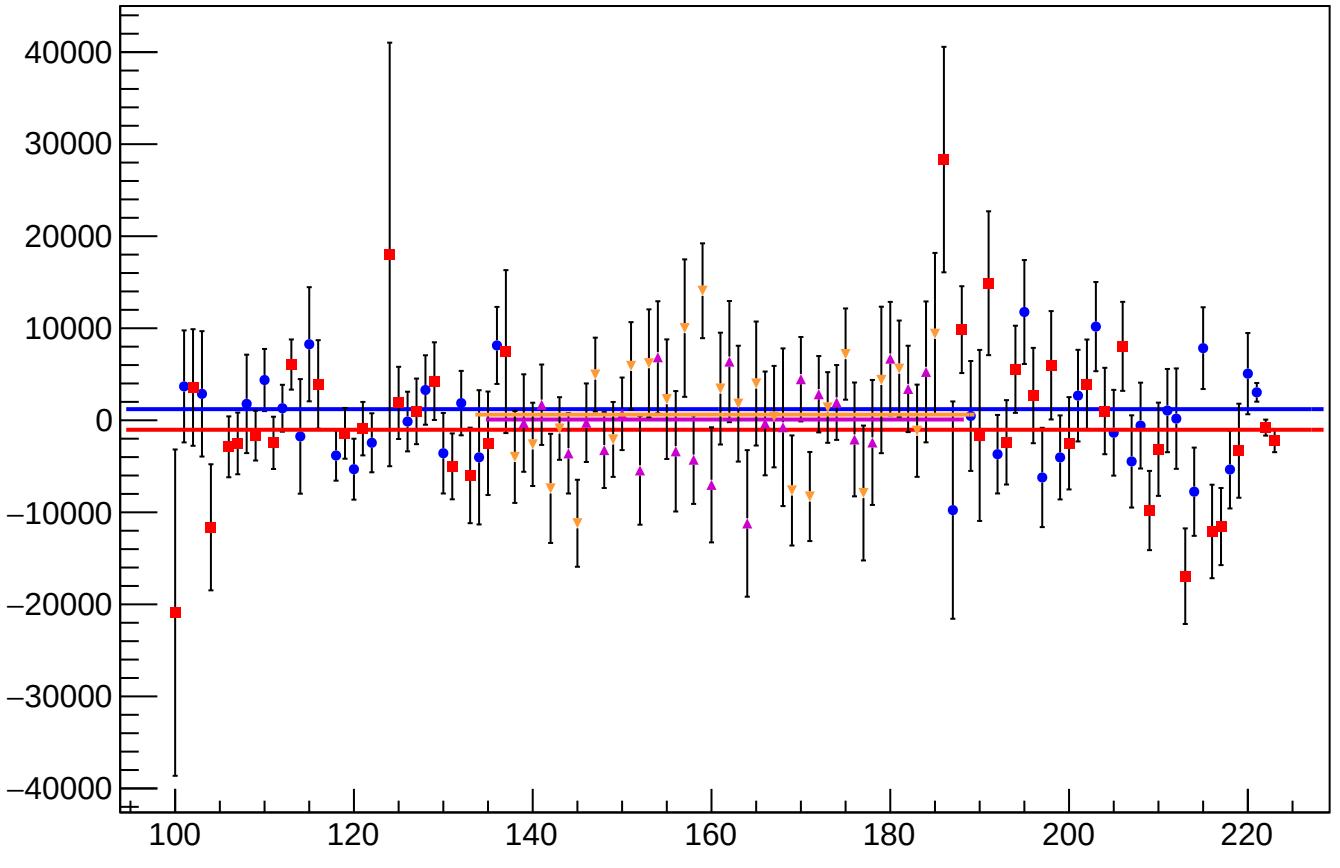
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1655.580+/-0.179 χ^2/NDF: 2524075.6/71

In: 1693.792+/-0.190 χ^2/NDF:344898.0/56

Out: 1711.293+/-0.192 χ^2/NDF:2497223.1/61

All: 1702.475+/-0.135 χ^2/NDF: 2846317.3/11



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

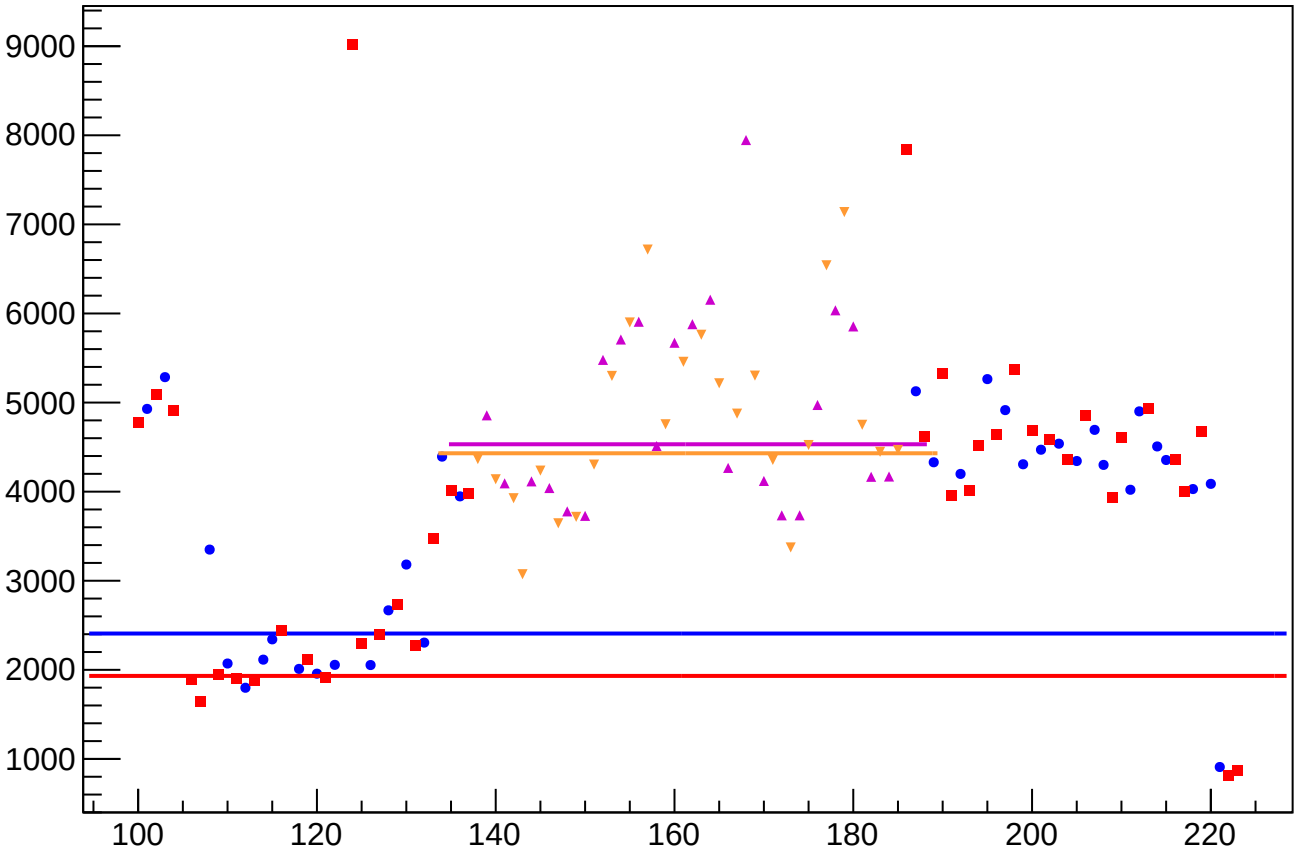
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: -111.532+/-386.414 χ^2/NDF: 119.7/72

In: 942.806+/-526.968 χ^2/NDF:56.2/56

Out: -714.682+/-452.510 χ^2/NDF:104.2/63

All: -11.213+/-343.306 χ^2/NDF: 166.1/120



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

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

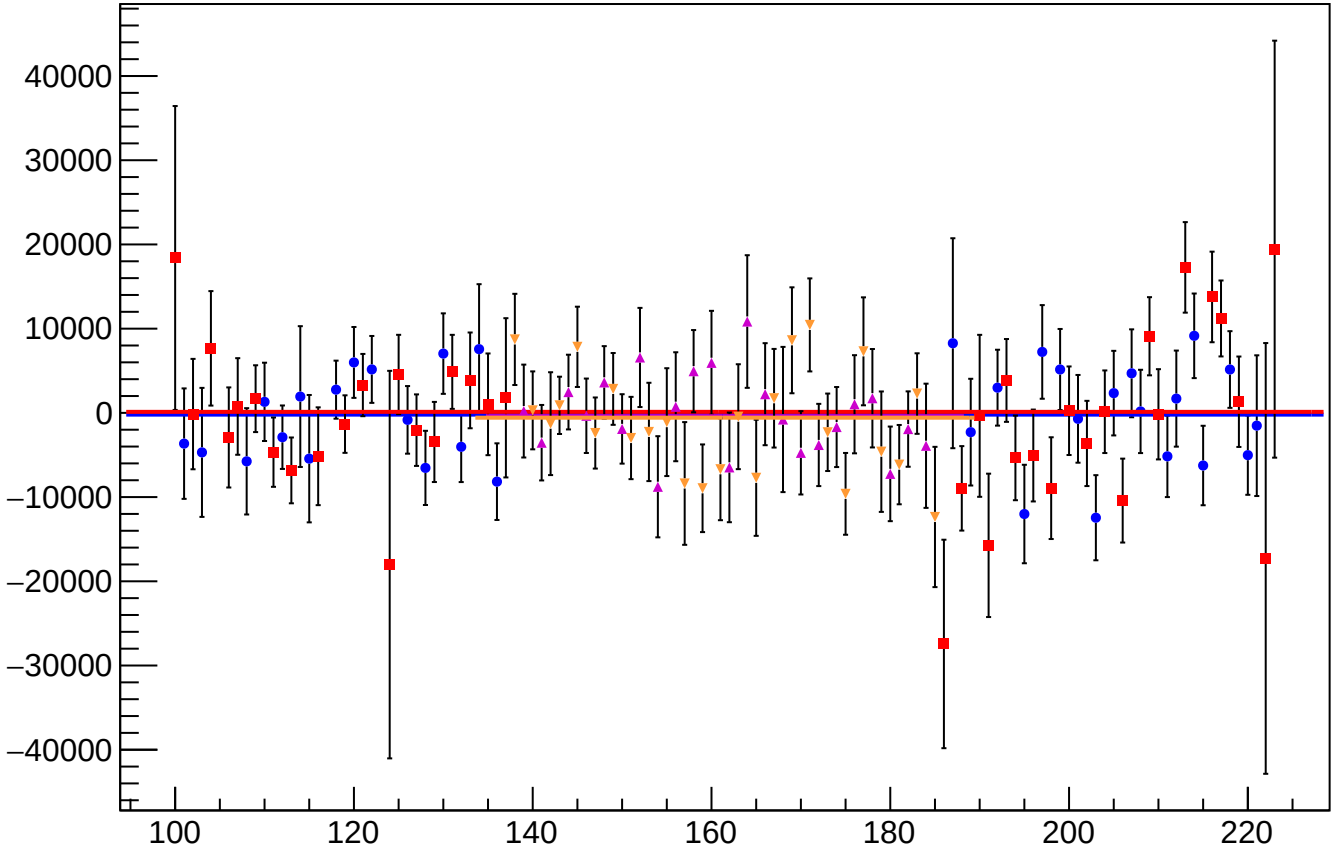
Right: 2126.974+/-0.273 χ^2/NDF: 28533553.5/72

In: 2910.978+/-0.373 χ^2/NDF:18934874.2/56

Out: 2409.784+/-0.320 χ^2/NDF:27167945.3/63

All: 2622.500+/-0.243 χ^2/NDF: 47144126.5/

asym_atl_dd_mean vs Slug, Sign Corrected



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

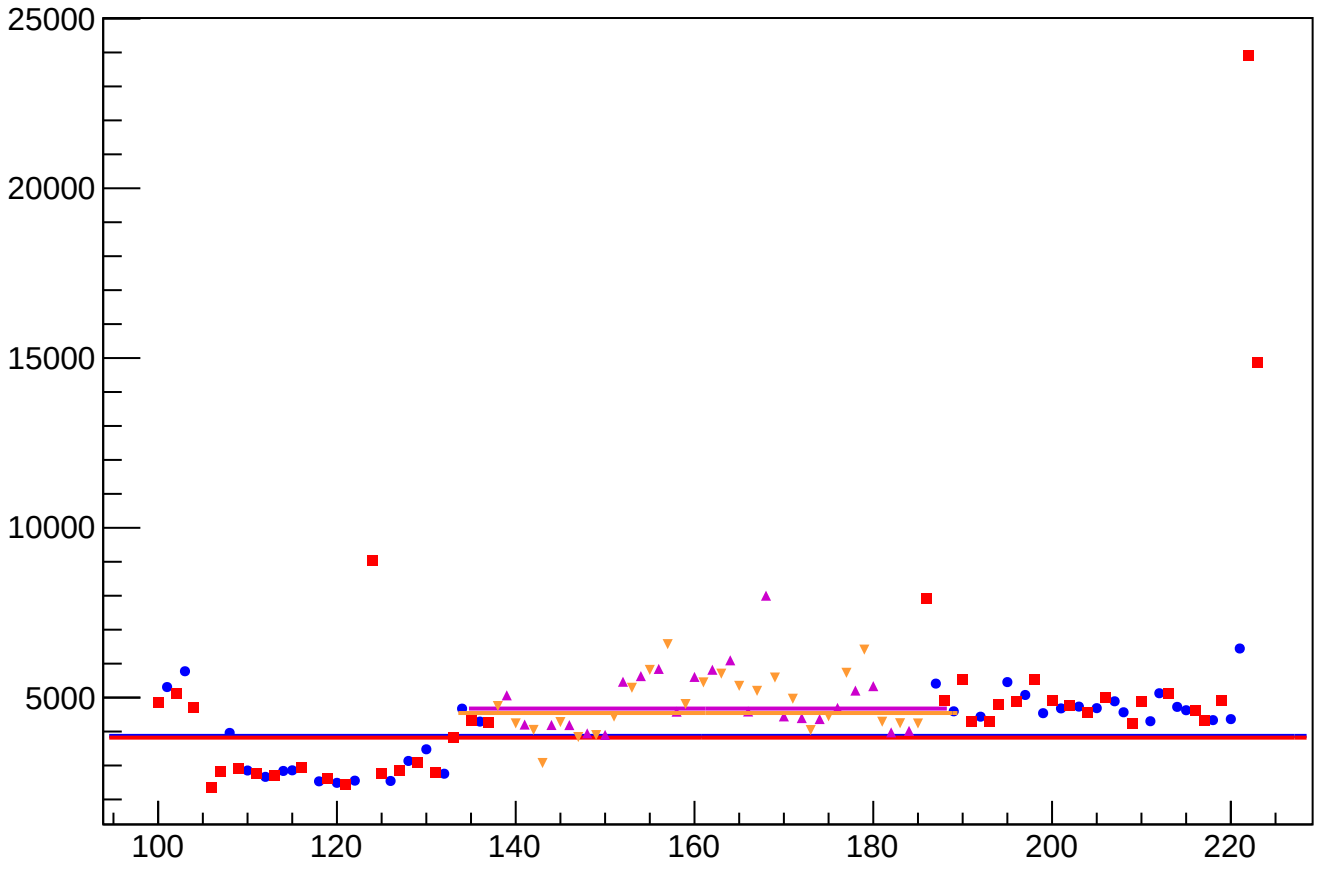
Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

Right: -42.079+/-608.523 χ^2/NDF: 102.7/72

In: -279.578+/-681.332 χ^2/NDF:54.5/56

Out: -155.091+/-665.569 χ^2/NDF:91.2/63

All: -215.878+/-476.104 χ^2/NDF: 145.7/120



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

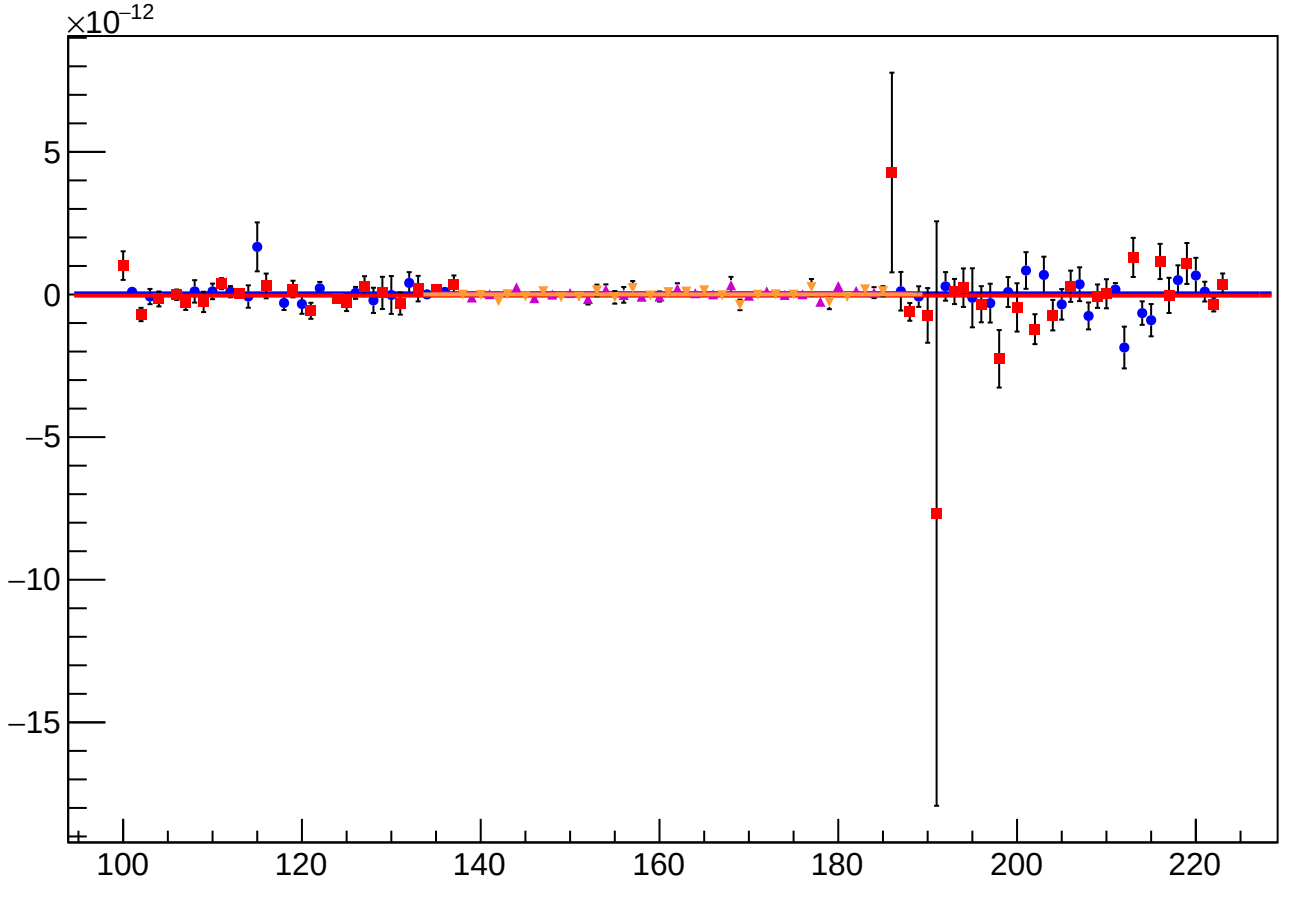
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3845.938+/-0.429 χ^2/NDF: 7769855.3/72

In: 4175.529+/-0.482 χ^2/NDF:4508340.2/56

Out: 4106.627+/-0.468 χ^2/NDF:6704191.7/63

All: 4140.115+/-0.336 χ^2/NDF: 11223044.9/1



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

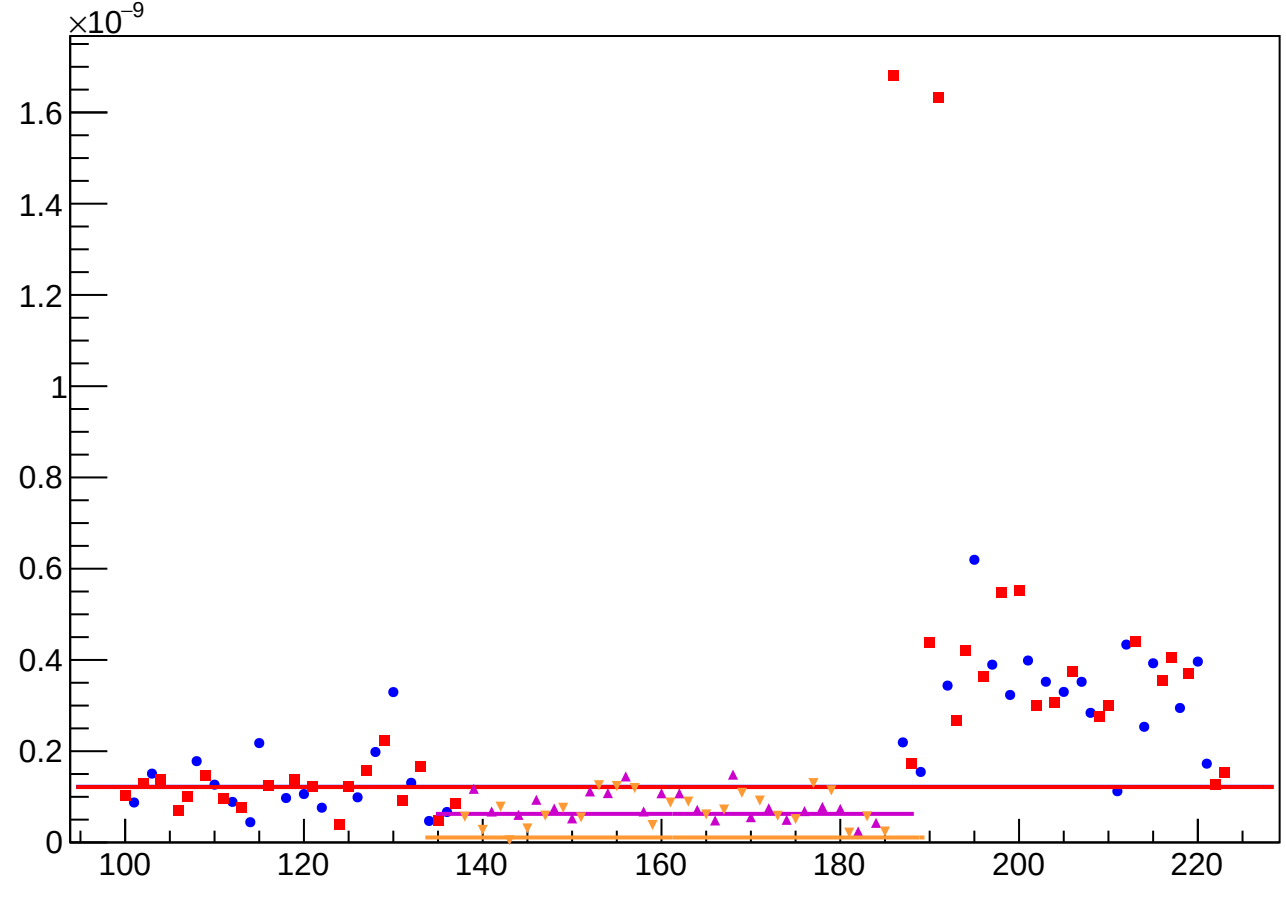
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 93.7/72

In: 0.000+/-0.000 χ^2/NDF:51.4/56

Out: 0.000+/-0.000 χ^2/NDF:80.6/63

All: 0.000+/-0.000 χ^2/NDF: 134.6/120



Right In: 0.000+/-0.000 χ^2/NDF: 6289685.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7038301.3/38

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

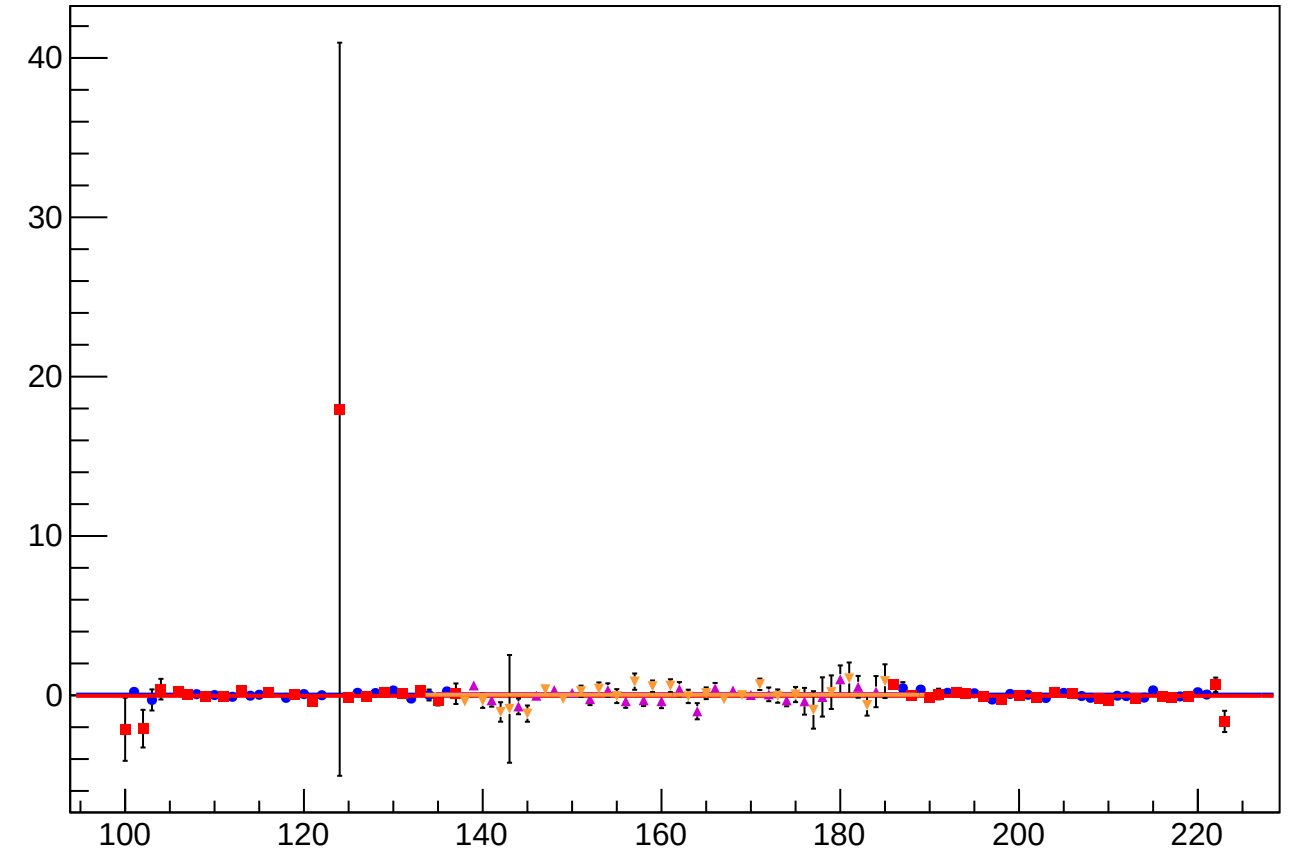
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13328128.7/72

In: 0.000+/-0.000 χ^2/NDF:10572801.8/56

Out: 0.000+/-0.000 χ^2/NDF:26223787.7/63

All: 0.000+/-0.000 χ^2/NDF: 49271668.1/120



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

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

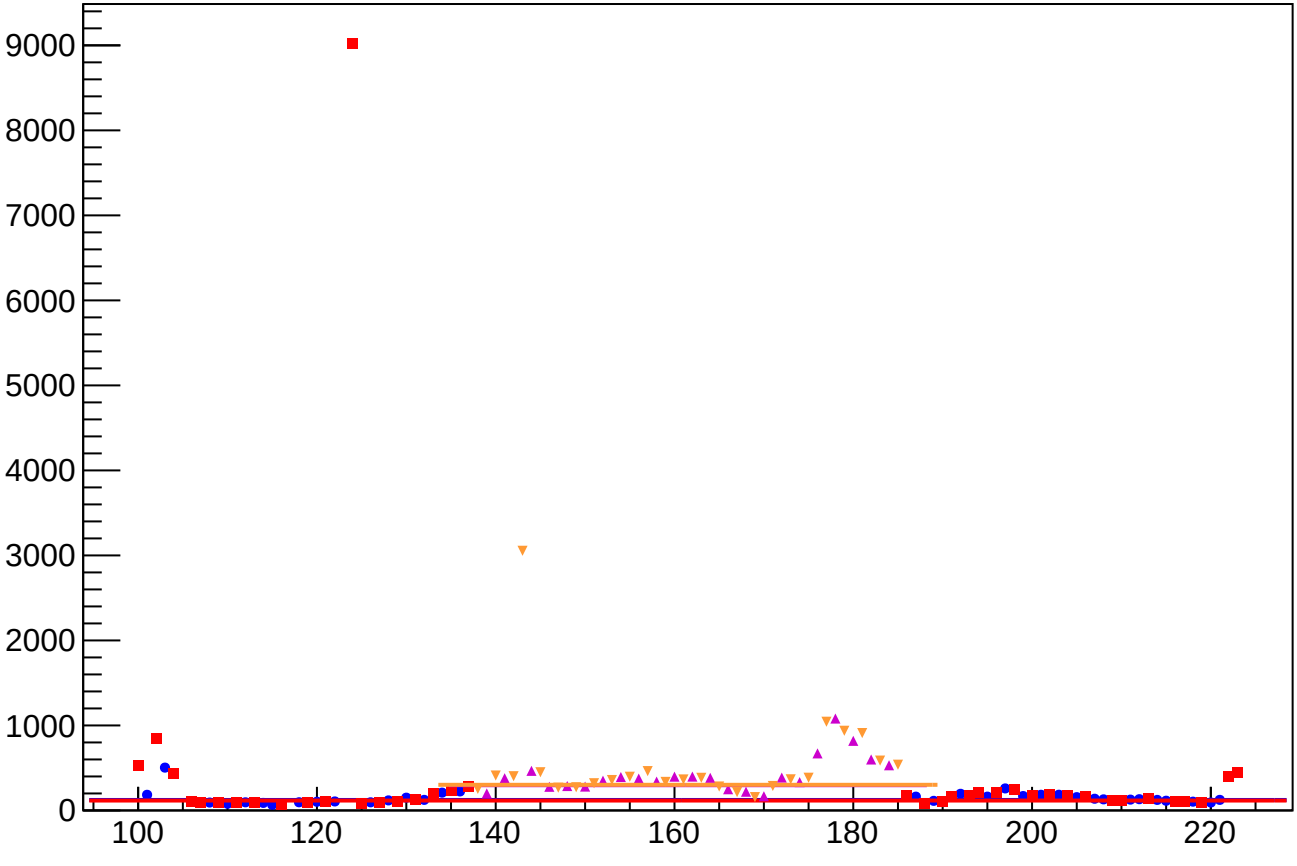
Right: 0.005+/-0.020 χ^2/NDF: 86.9/72

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.025+/-0.026 χ^2/NDF:83.1/63

All: 0.011+/-0.019 χ^2/NDF: 141.6/120

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

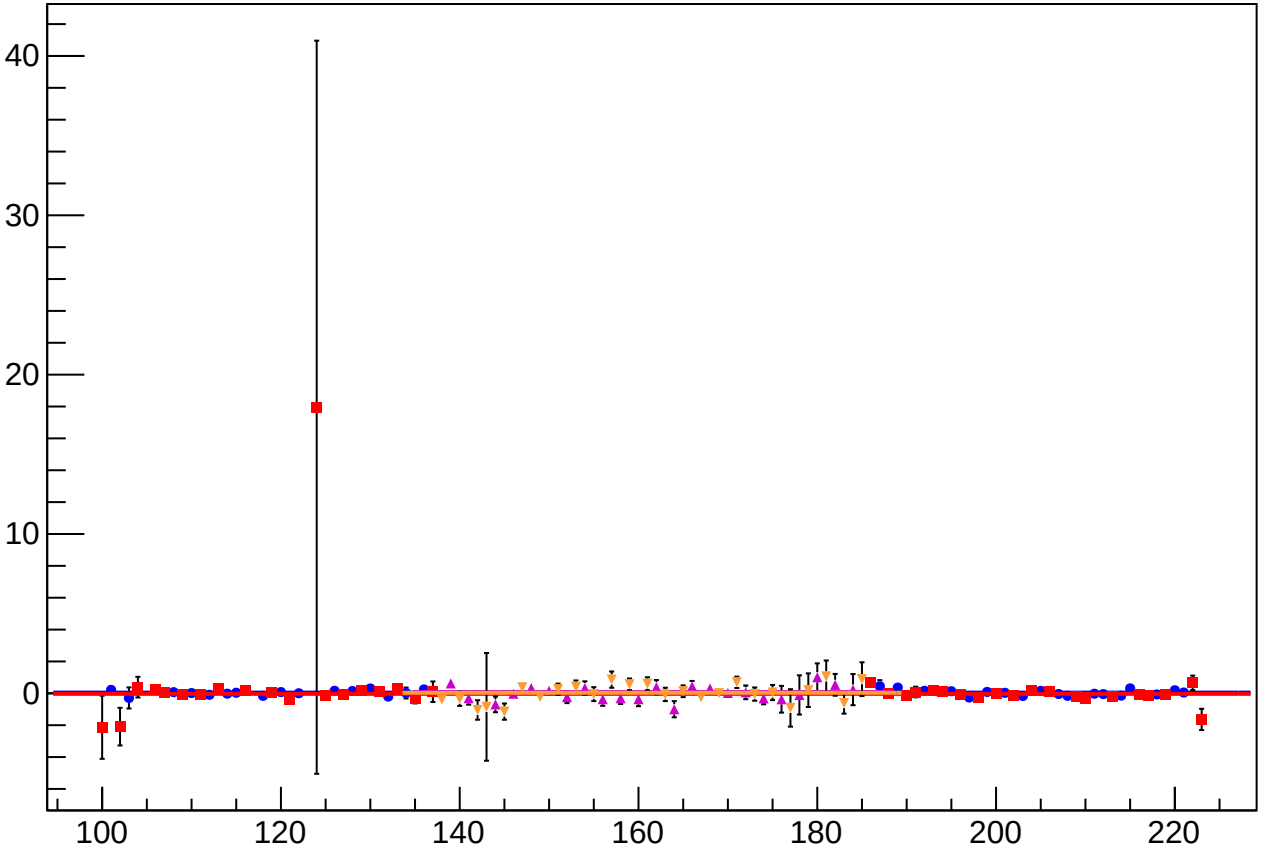
Right: 119.854+/-0.014 χ^2/NDF: 10655130.6/72

In: 144.698+/-0.019 χ^2/NDF:17874373.2/56

Out: 137.591+/-0.018 χ^2/NDF:23812674.1/63

All: 141.045+/-0.013 χ^2/NDF: 41760402.2/12

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

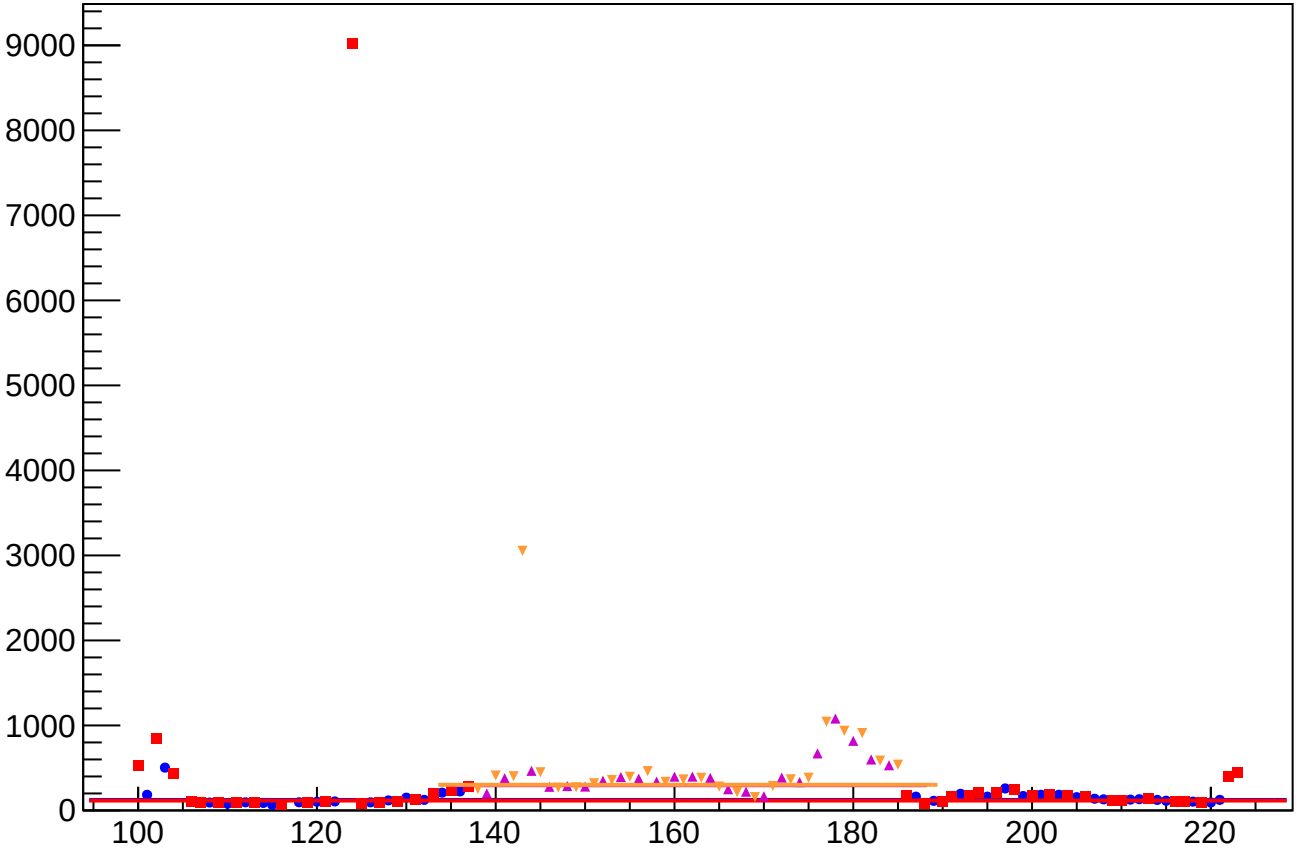
Right: 0.005+/-0.020 χ^2/NDF: 86.9/72

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.025+/-0.026 χ^2/NDF:83.1/63

All: 0.011+/-0.019 χ^2/NDF: 141.6/120

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

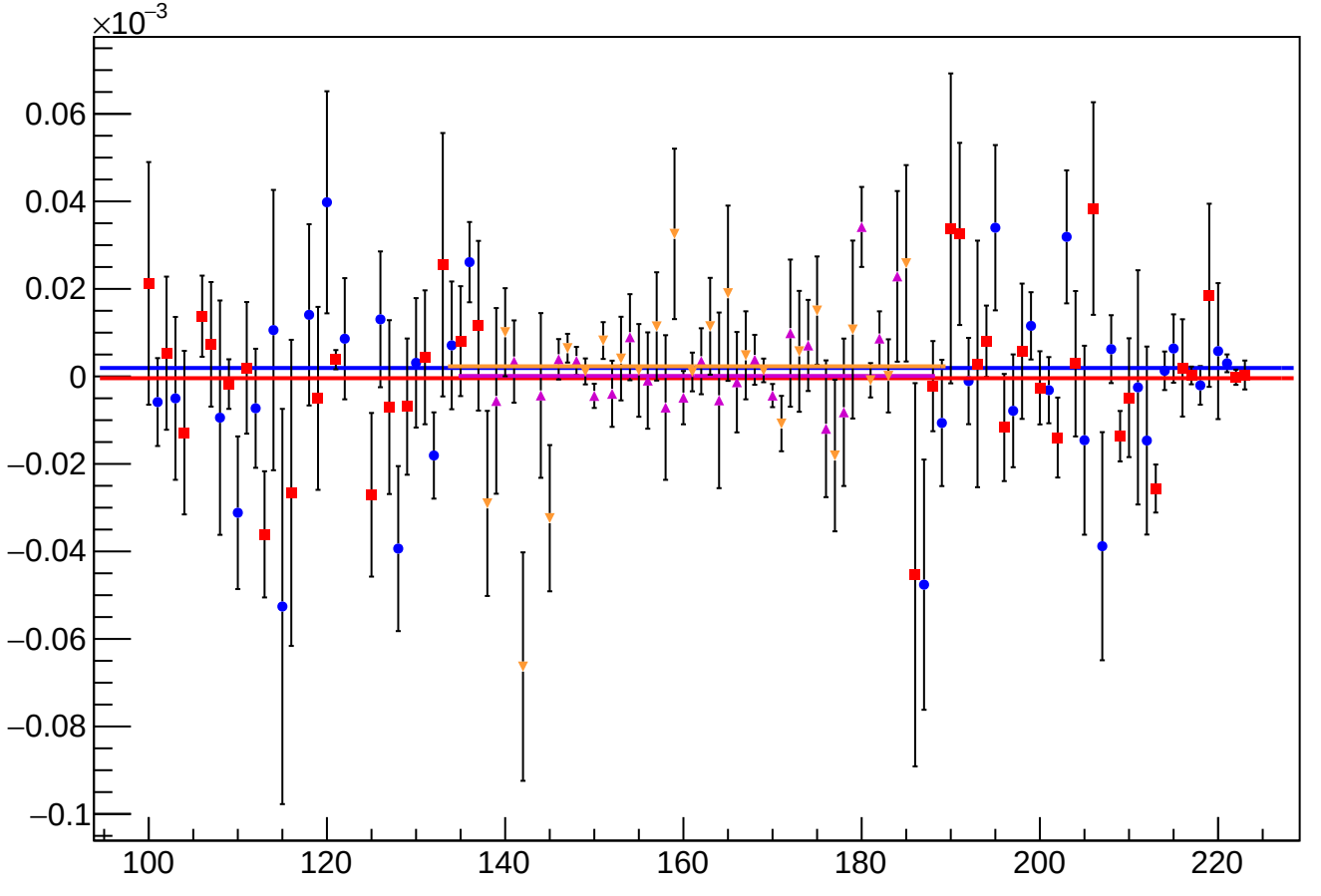
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 119.854+/-0.014 χ^2/NDF: 10655130.6/72

In: 144.698+/-0.019 χ^2/NDF:17874373.2/56

Out: 137.591+/-0.018 χ^2/NDF:23812674.1/63

All: 141.045+/-0.013 χ^2/NDF: 41760402.2/12



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

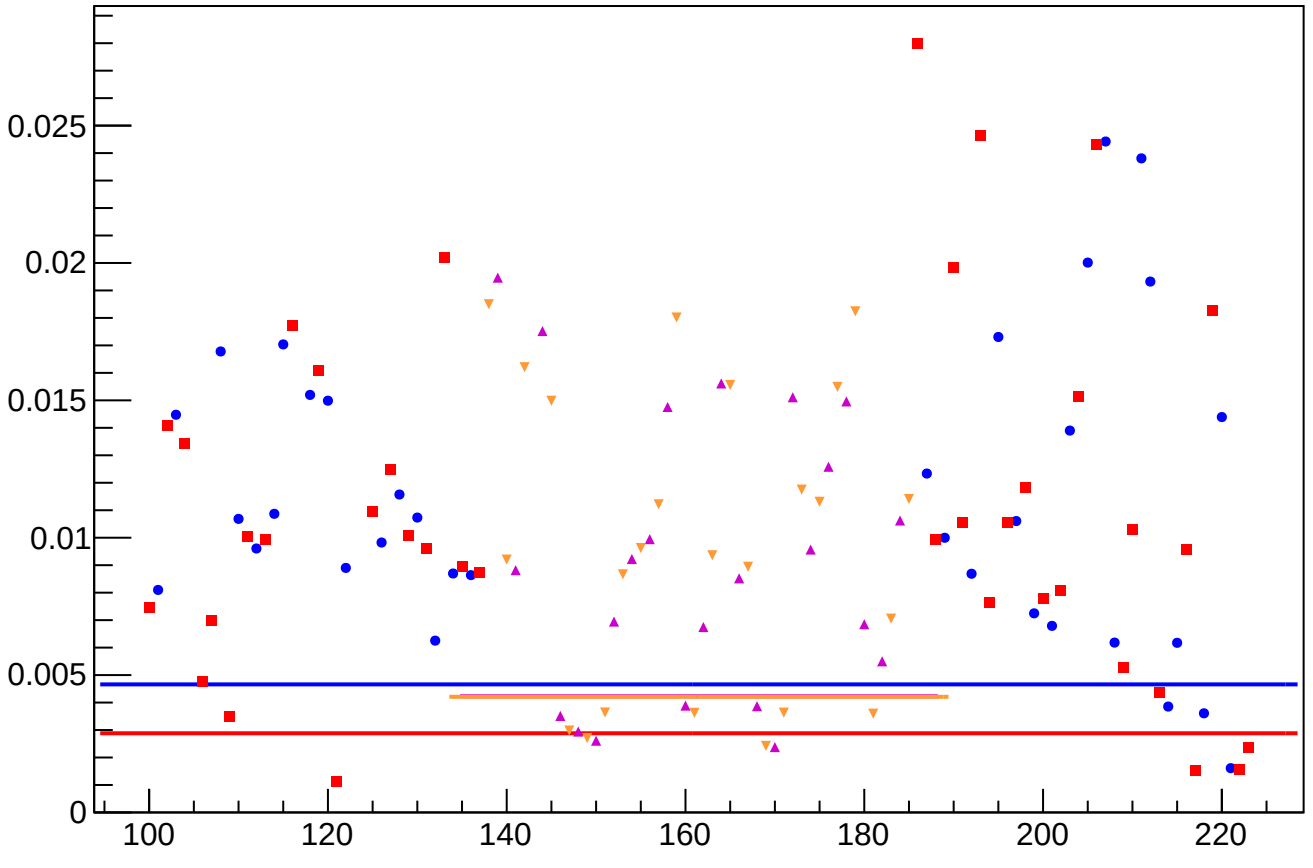
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 103.8/71

In: 0.000+/-0.000 χ^2/NDF:74.5/56

Out: 0.000+/-0.000 χ^2/NDF:91.5/61

All: 0.000+/-0.000 χ^2/NDF: 166.1/118



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

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

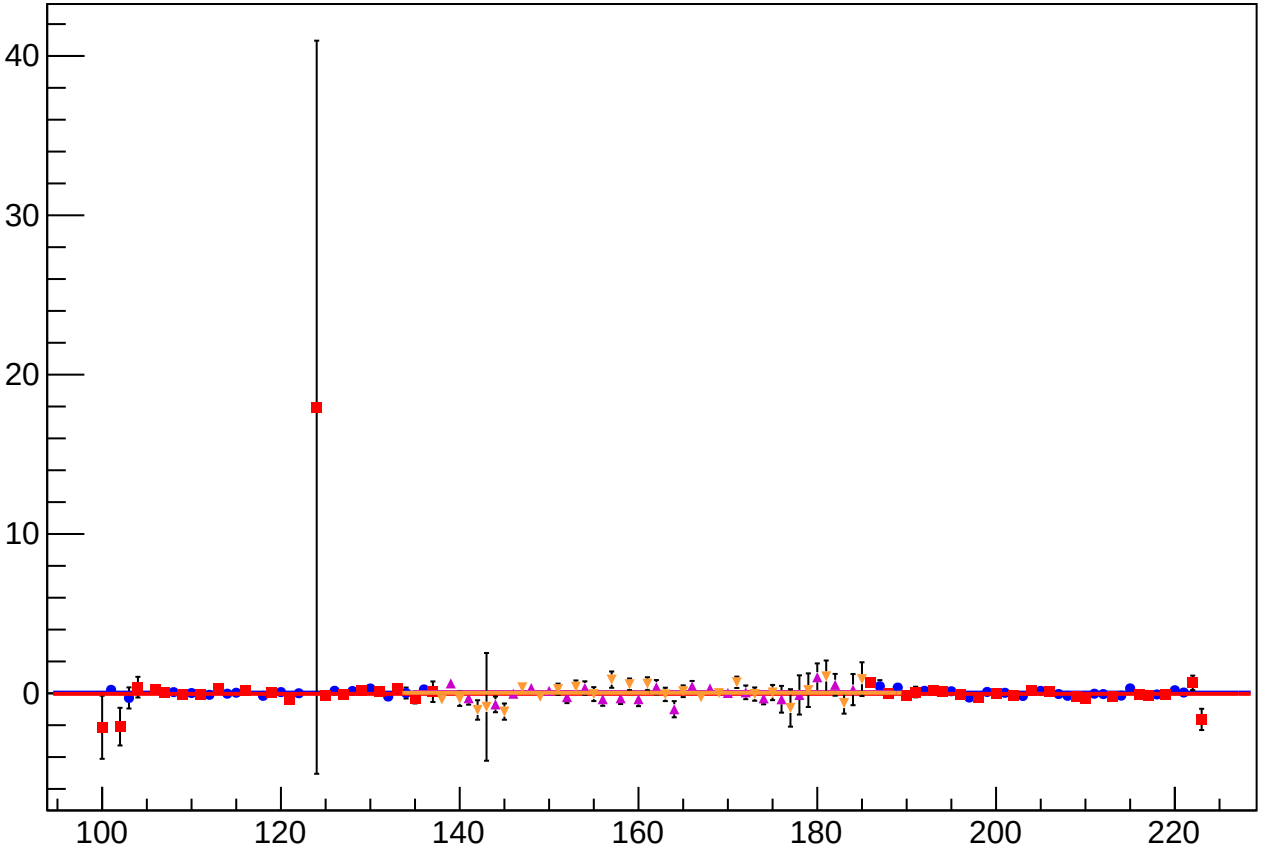
Right: 0.003+/-0.000 χ^2/NDF: 42304436.8/71

In: 0.004+/-0.000 χ^2/NDF:28429422.3/56

Out: 0.003+/-0.000 χ^2/NDF:36272095.9/61

All: 0.004+/-0.000 χ^2/NDF: 66261711.7/118

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

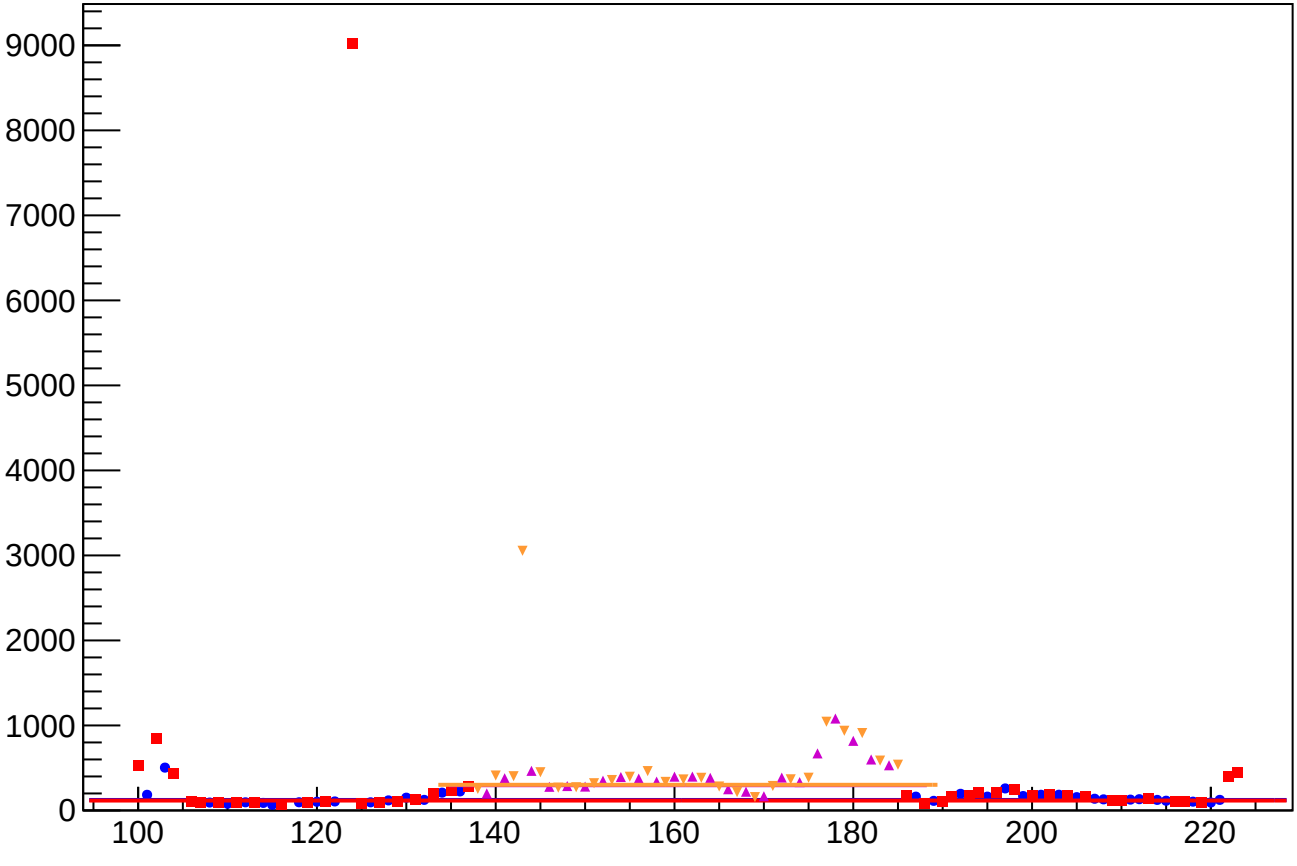
Right: 0.005+/-0.020 χ^2/NDF: 86.9/72

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.025+/-0.026 χ^2/NDF:83.1/63

All: 0.011+/-0.019 χ^2/NDF: 141.6/120

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

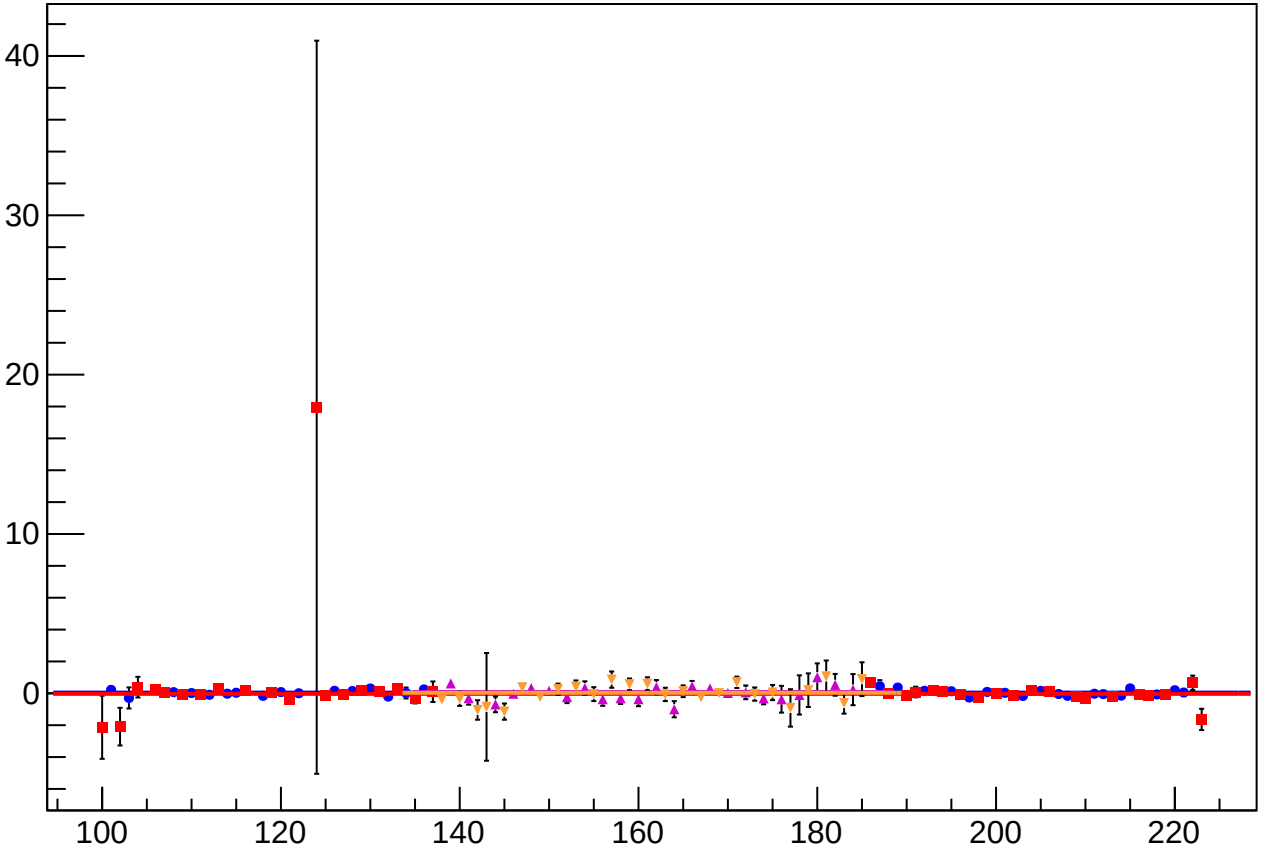
Right: 119.856+/-0.014 χ^2/NDF: 10654948.0/72

In: 144.700+/-0.019 χ^2/NDF:17874242.4/56

Out: 137.592+/-0.018 χ^2/NDF:23812505.9/63

All: 141.047+/-0.013 χ^2/NDF: 41760109.3/12

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

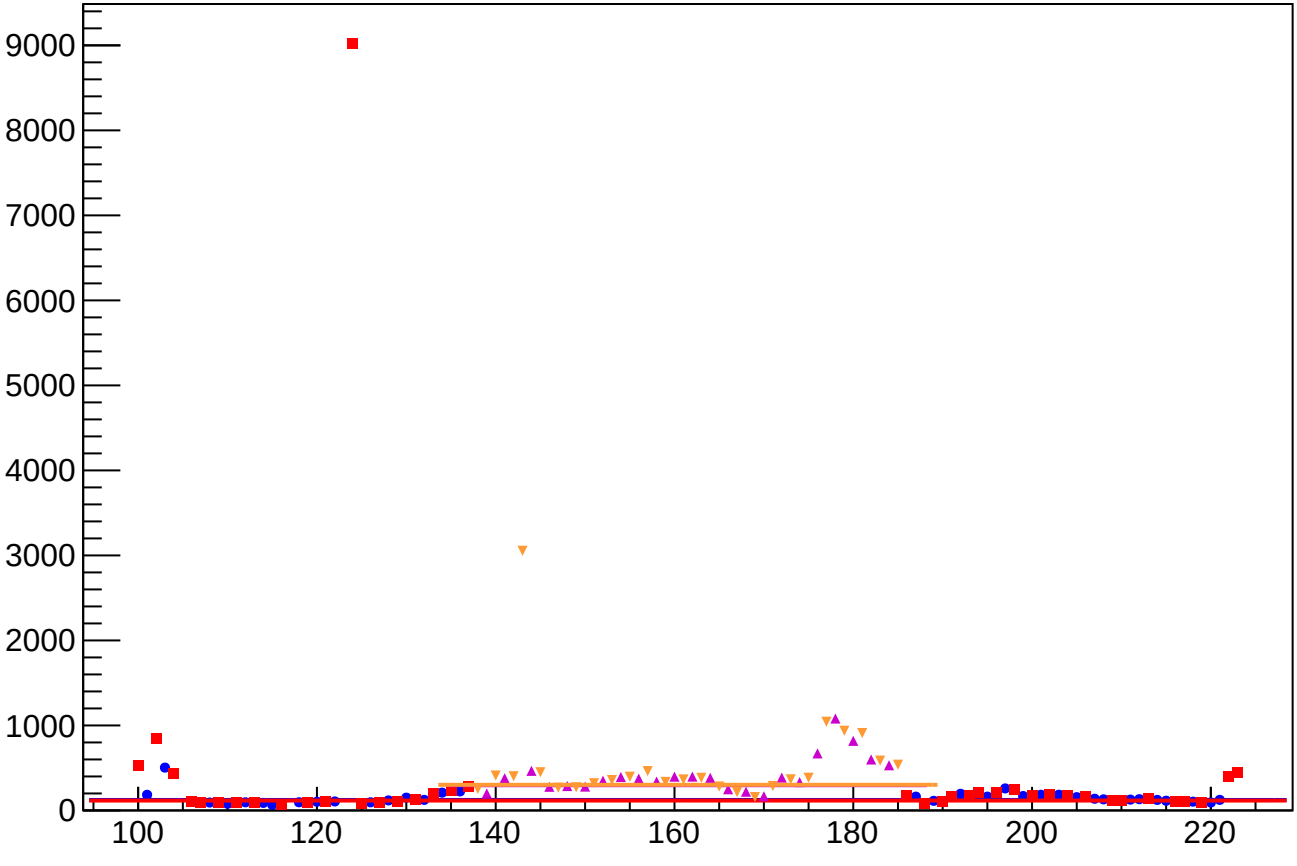
Right: 0.005+/-0.020 χ^2/NDF: 86.9/72

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.025+/-0.026 χ^2/NDF:83.1/63

All: 0.011+/-0.019 χ^2/NDF: 141.6/120

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

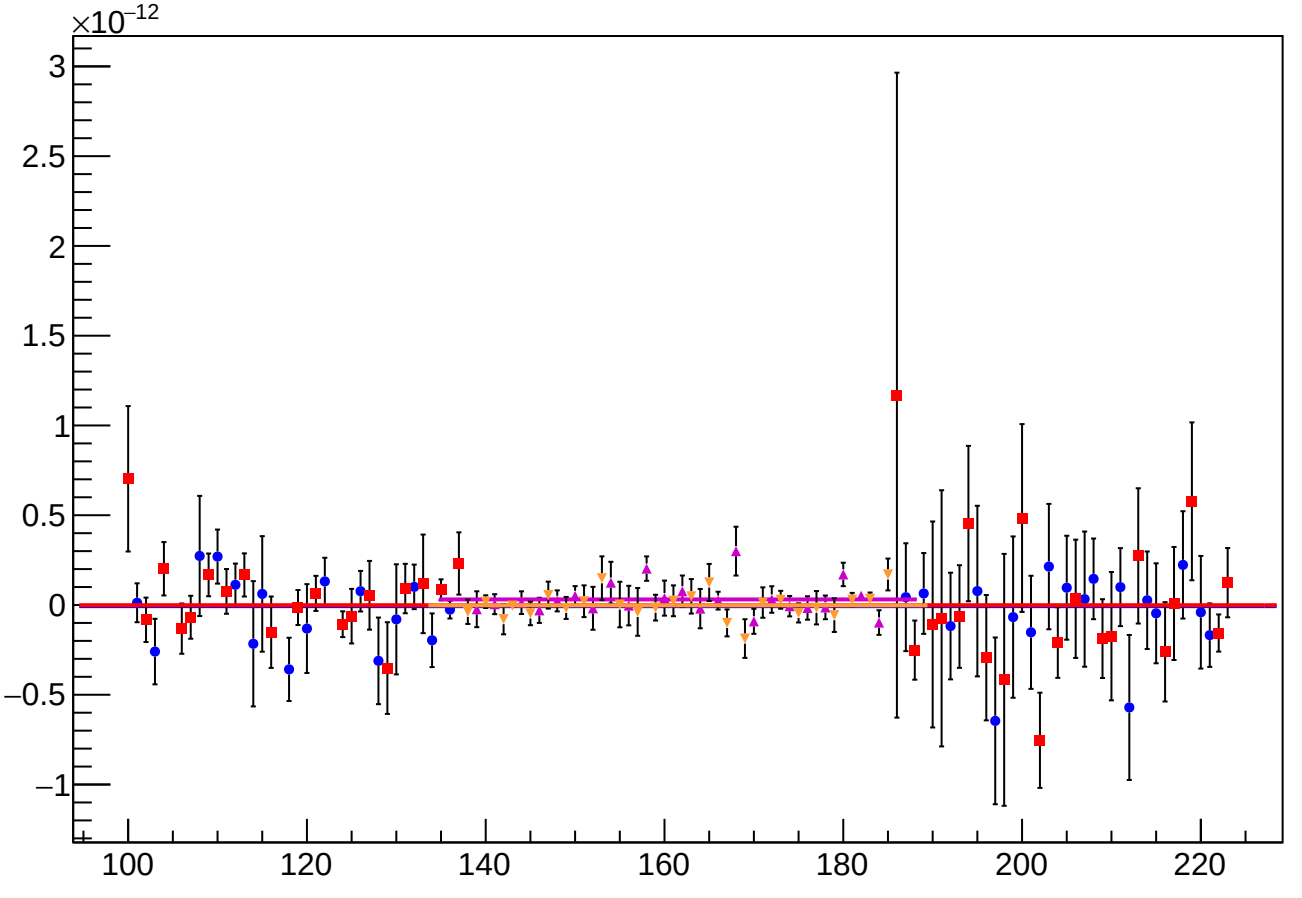
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 119.856+/-0.014 χ^2/NDF: 10654948.0/72

In: 144.700+/-0.019 χ^2/NDF:17874242.4/56

Out: 137.592+/-0.018 χ^2/NDF:23812505.9/63

All: 141.047+/-0.013 χ^2/NDF: 41760109.3/12



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

Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

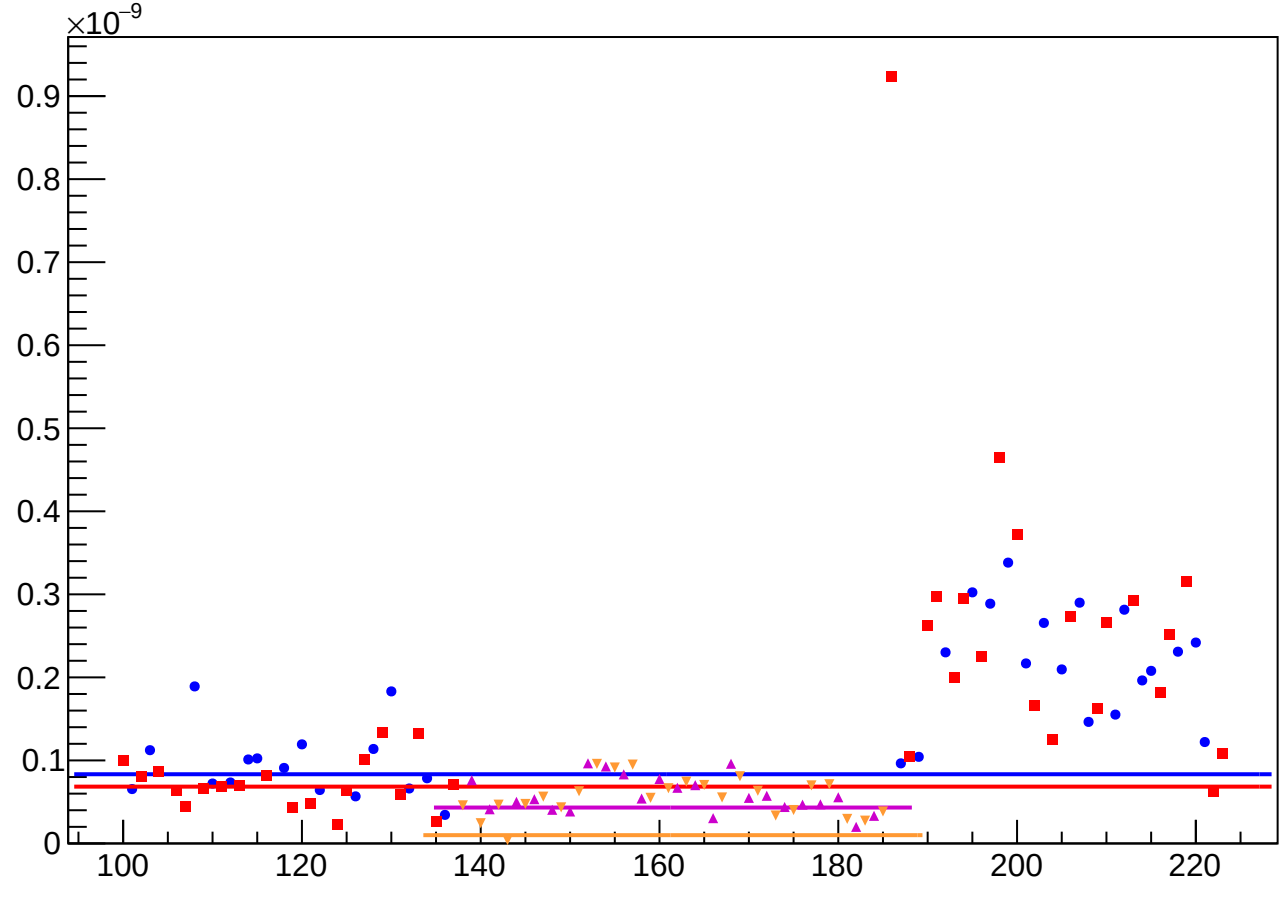
Right: -0.000+/-0.000 χ^2/NDF: 67.2/72

In: 0.000+/-0.000 χ^2/NDF:52.3/56

Out: -0.000+/-0.000 χ^2/NDF:60.3/63

All: 0.000+/-0.000 χ^2/NDF: 116.6/120

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

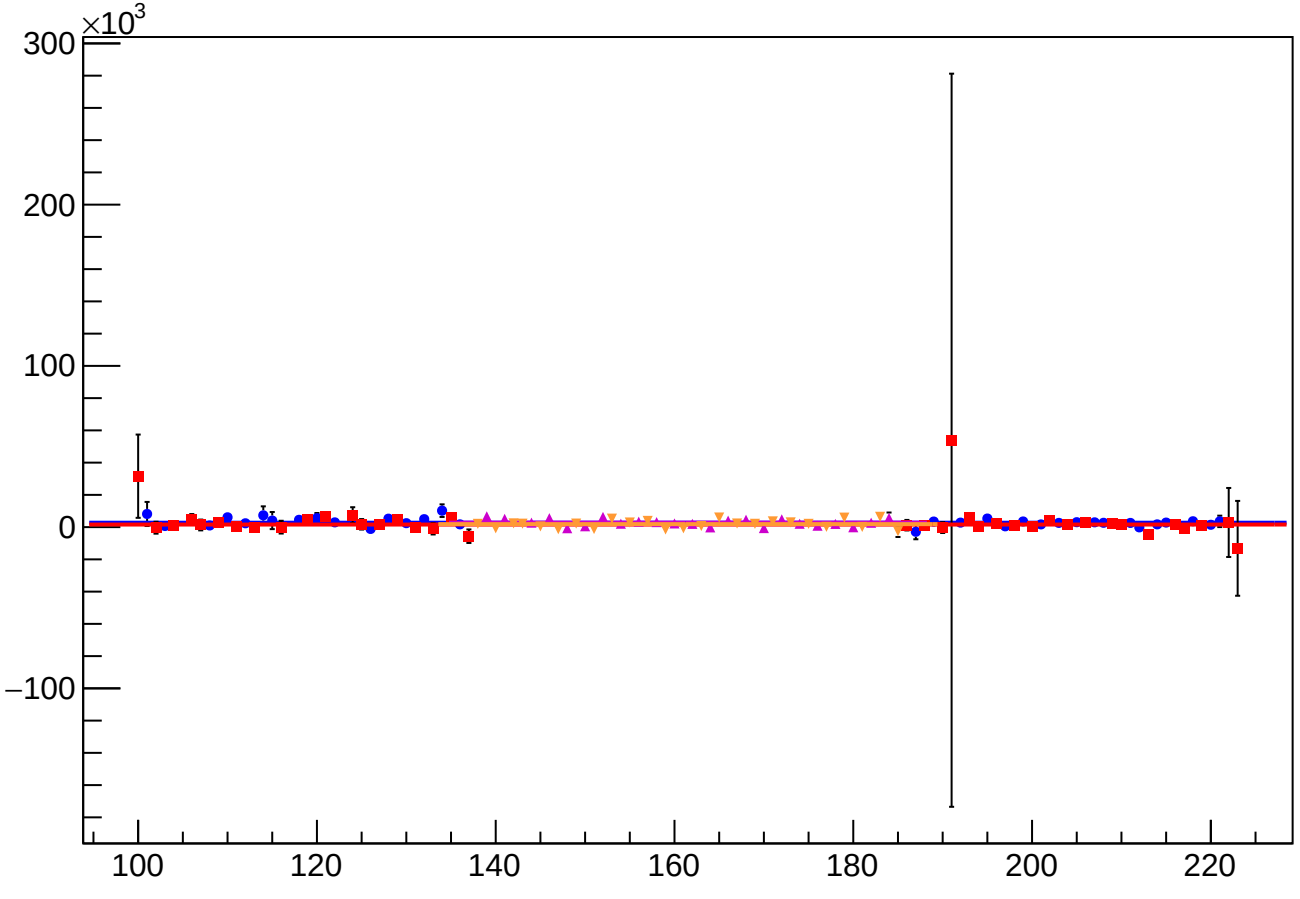
Right: 0.000+/-0.000 χ^2/NDF: 20471927.4/72

In: 0.000+/-0.000 χ^2/NDF:16614764.0/56

Out: 0.000+/-0.000 χ^2/NDF:40180766.3/63

All: 0.000+/-0.000 χ^2/NDF: 73582543.7/120

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

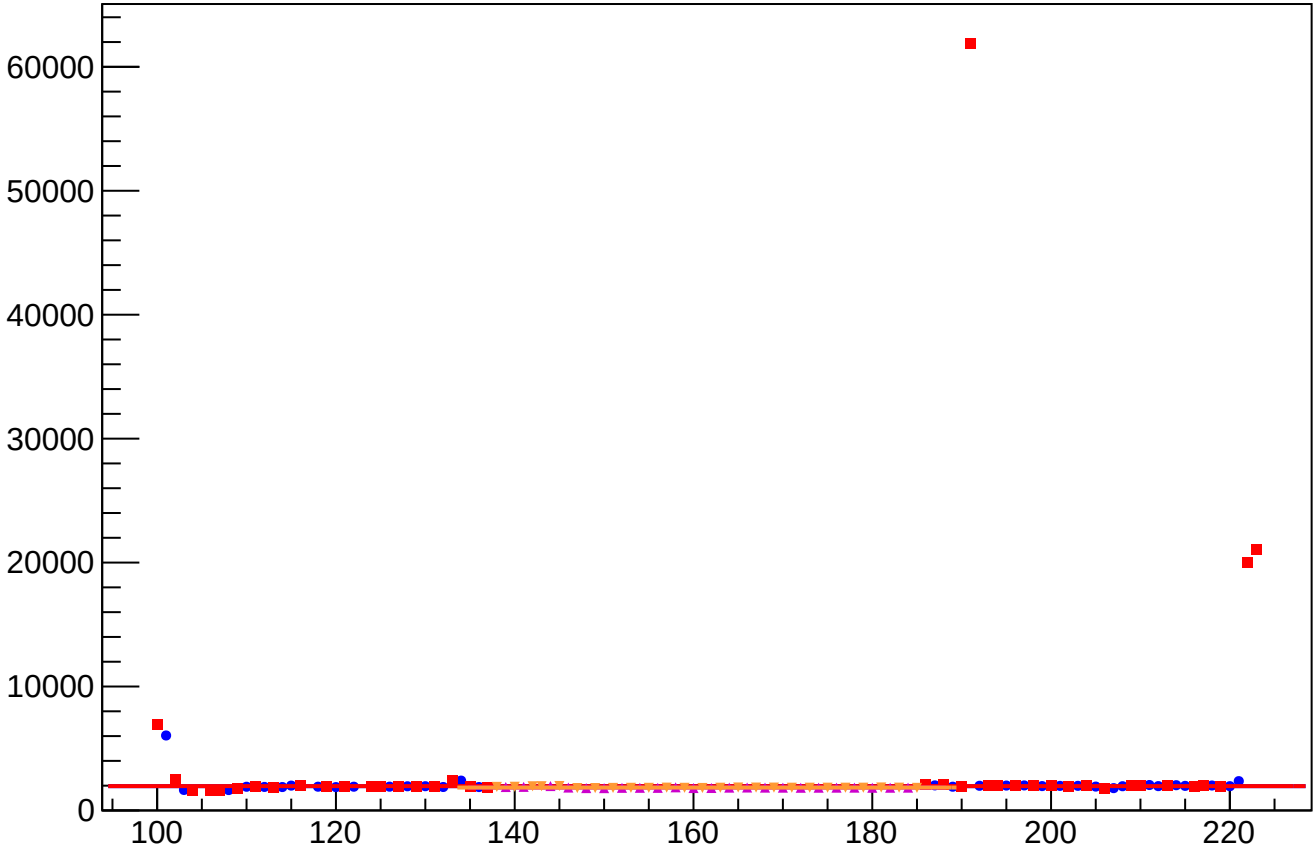
Right: 2171.318+/-301.679 χ^2/NDF: 57.1/72

In: 2756.405+/-302.986 χ^2/NDF:44.6/56

Out: 1729.365+/-299.478 χ^2/NDF:66.1/63

All: 2236.905+/-212.993 χ^2/NDF: 116.5/120

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

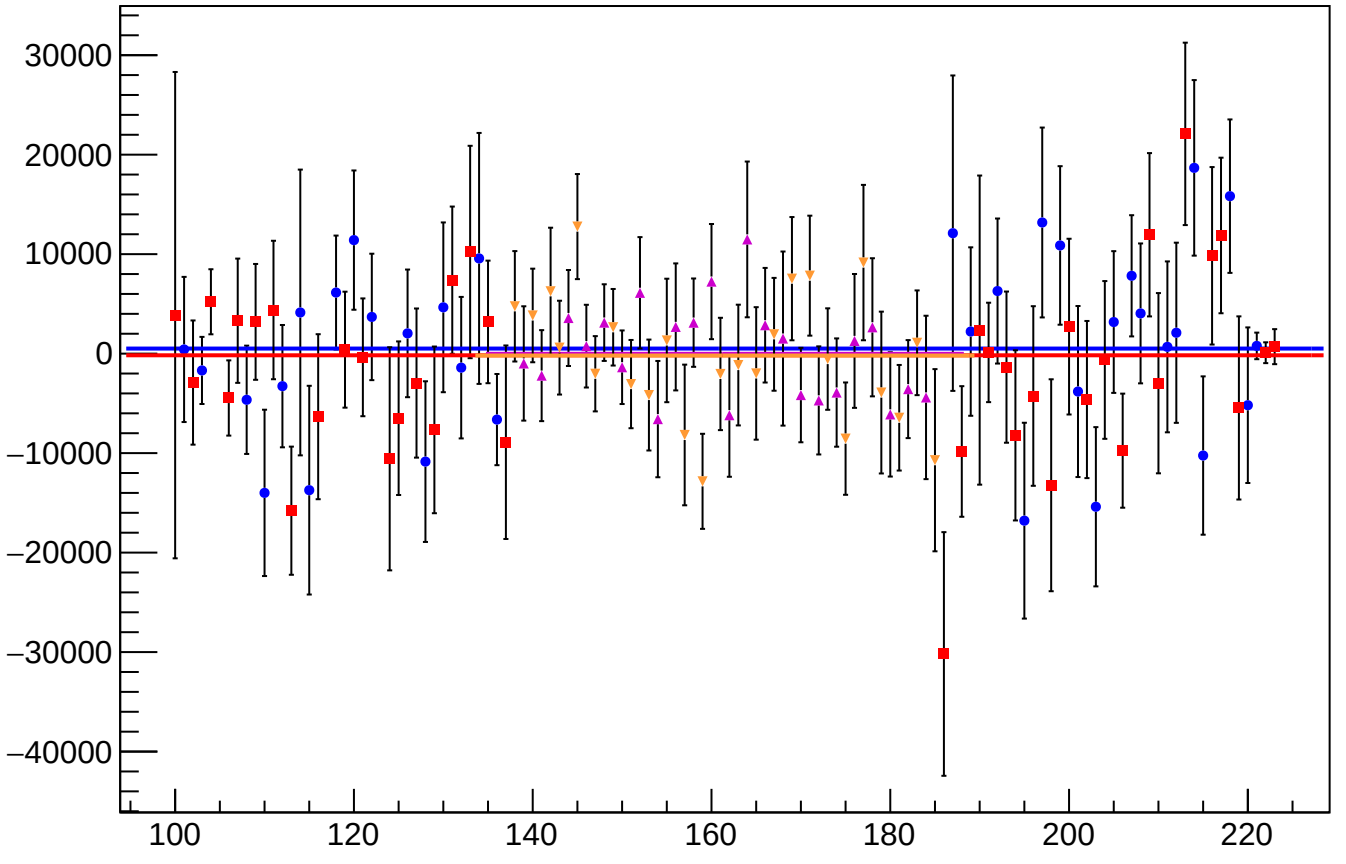
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1961.402+/-0.213 χ^2/NDF: 3451050.7/72

In: 1902.790+/-0.214 χ^2/NDF:840427.6/56

Out: 1905.139+/-0.212 χ^2/NDF:2790293.3/63

All: 1903.979+/-0.151 χ^2/NDF: 3630781.7/12



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

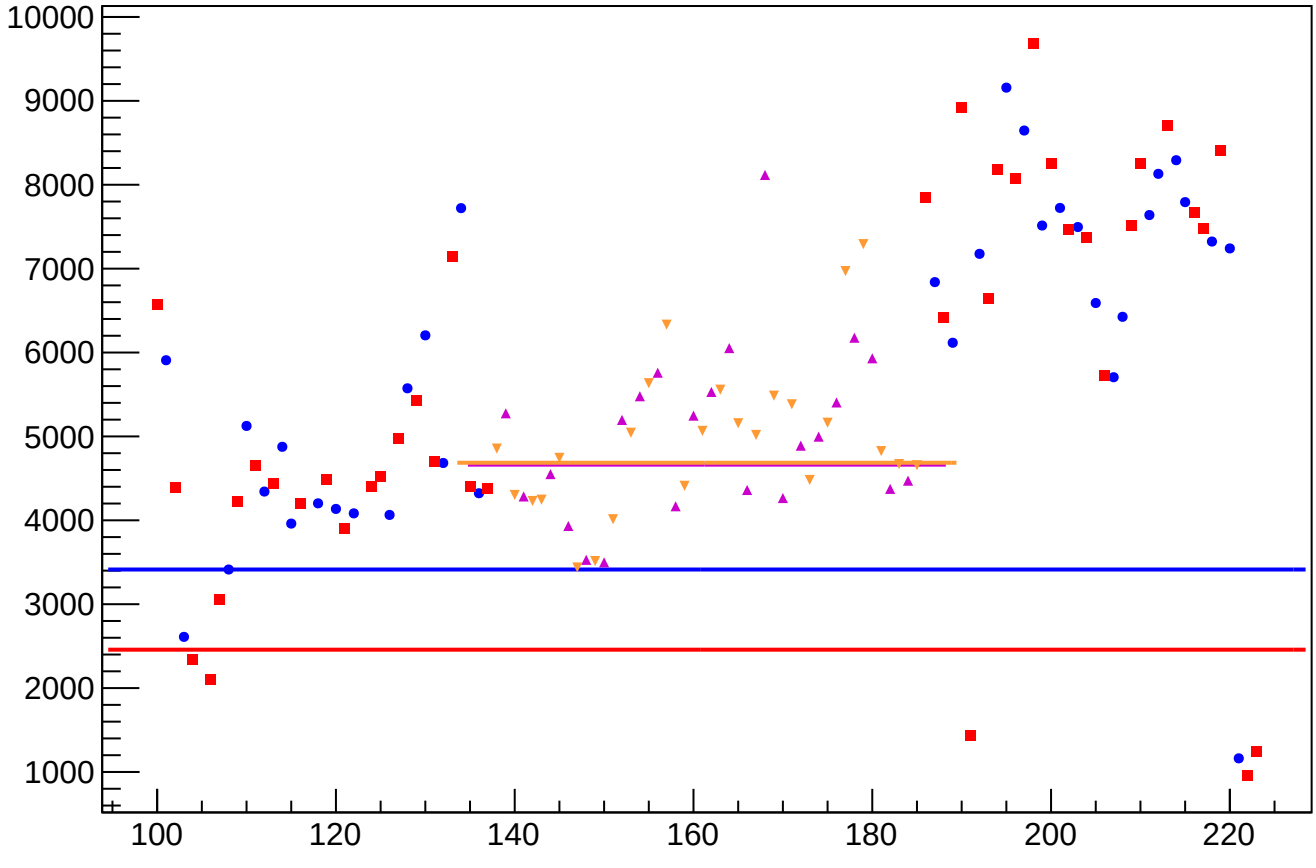
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: 89.188+/-557.596 χ^2/NDF: 84.1/72

In: 298.648+/-702.988 χ^2/NDF:53.8/56

Out: -173.313+/-592.920 χ^2/NDF:72.7/63

All: 22.868+/-453.236 χ^2/NDF: 126.8/120



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

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

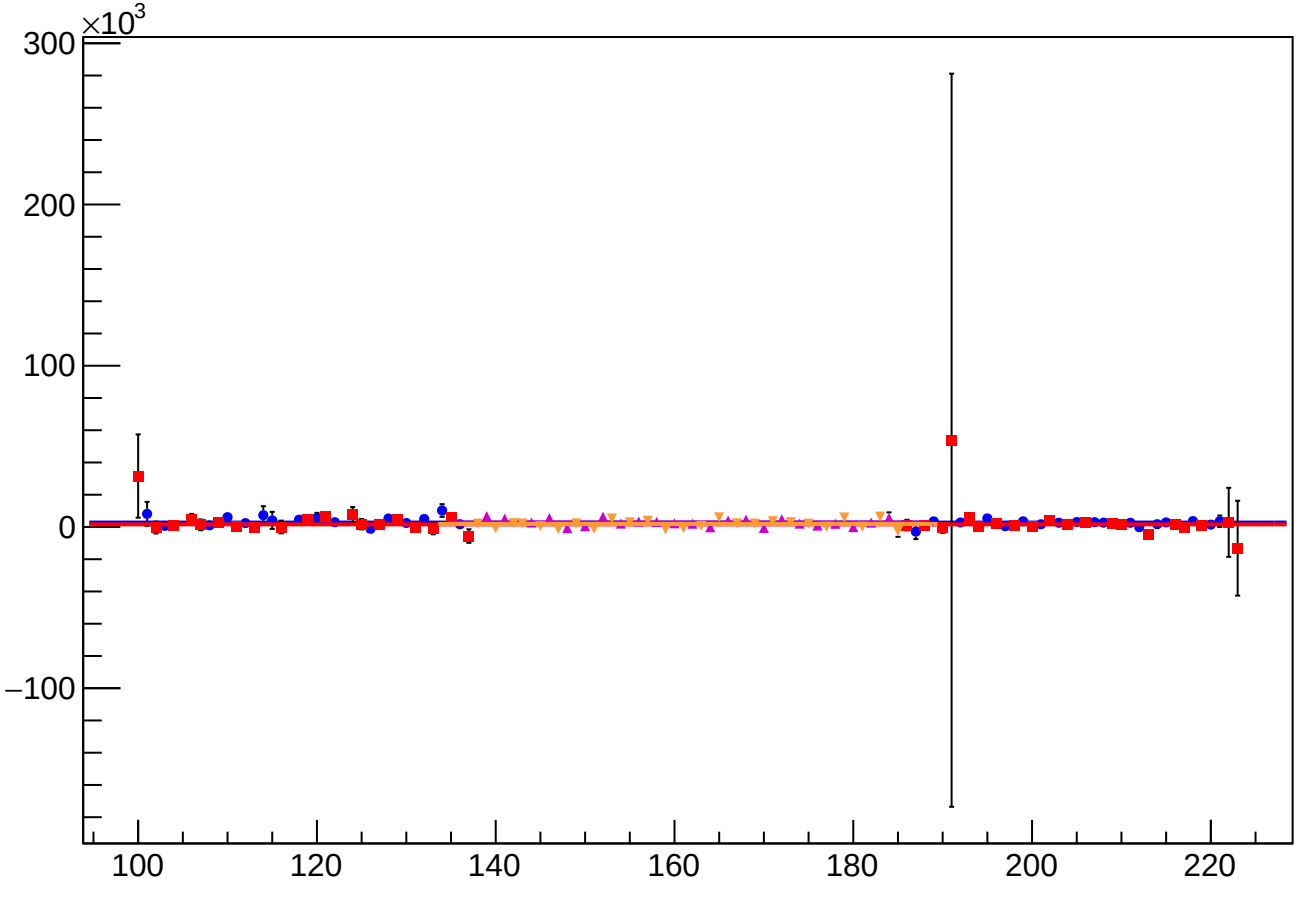
Right: 2819.066+/-0.394 χ^2/NDF: 36933112.5/72

In: 3912.461+/-0.497 χ^2/NDF:17769938.1/56

Out: 3118.957+/-0.419 χ^2/NDF:27664763.6/63

All: 3448.795+/-0.320 χ^2/NDF: 46923678.0/

cor_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

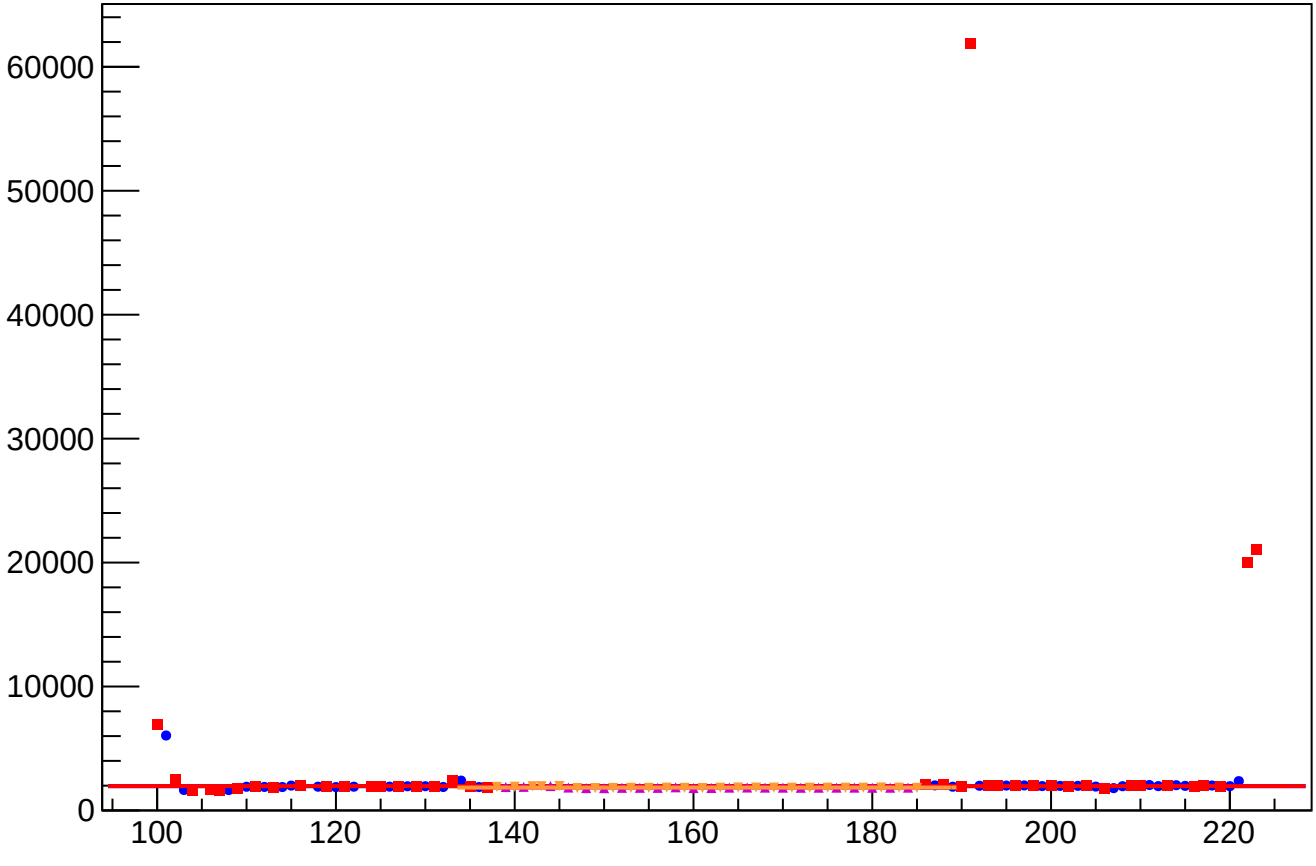
Right: 2171.394+/-301.680 χ^2/NDF: 57.1/72

In: 2756.249+/-302.986 χ^2/NDF:44.5/56

Out: 1729.524+/-299.479 χ^2/NDF:66.1/63

All: 2236.909+/-212.993 χ^2/NDF: 116.5/120

cor_asym_atr_avg_rms vs Slug, Sign Corrected



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

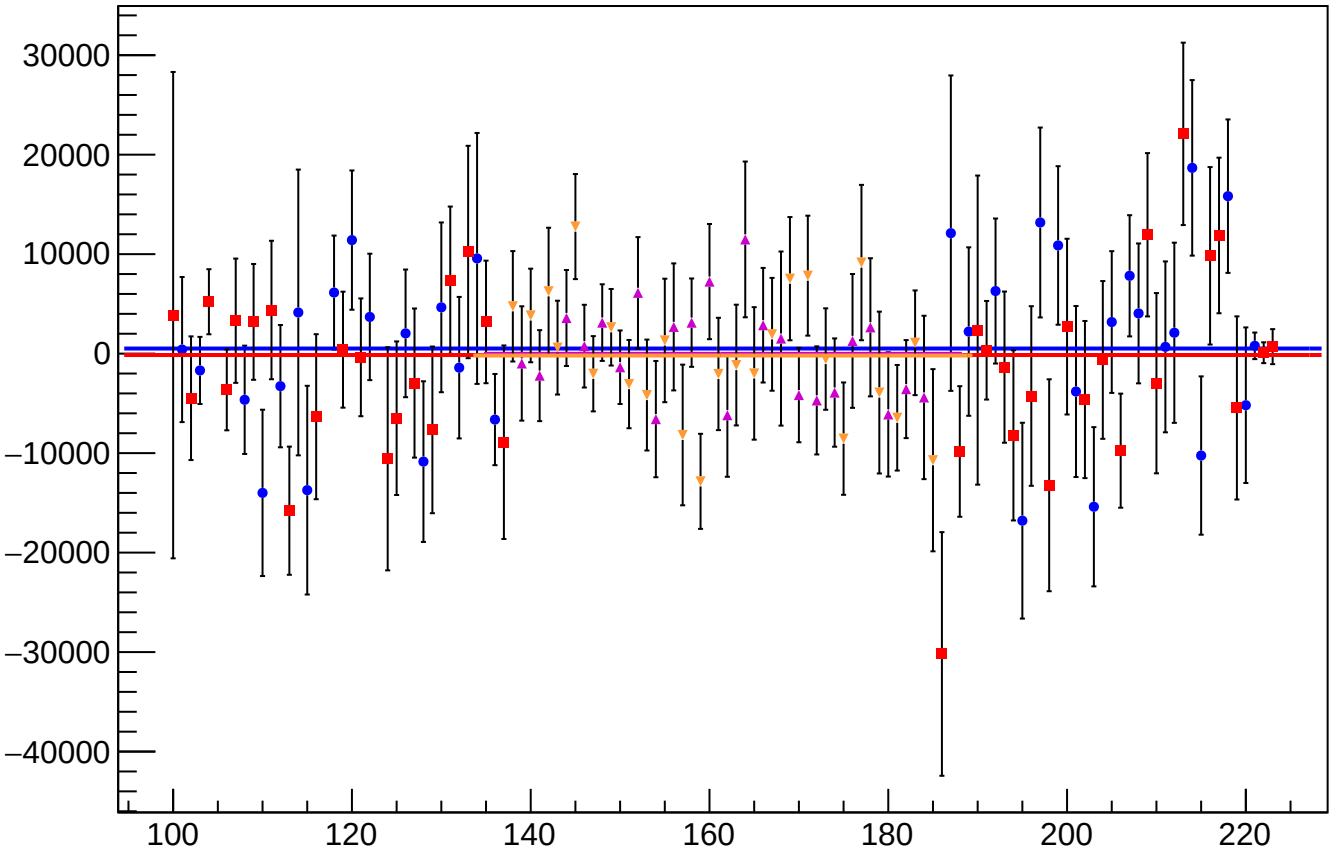
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1962.170+/-0.213 χ^2/NDF: 3442316.3/72

In: 1902.790+/-0.214 χ^2/NDF:840426.7/56

Out: 1905.858+/-0.212 χ^2/NDF:2783413.4/63

All: 1904.342+/-0.151 χ^2/NDF: 3623943.9/12



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

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

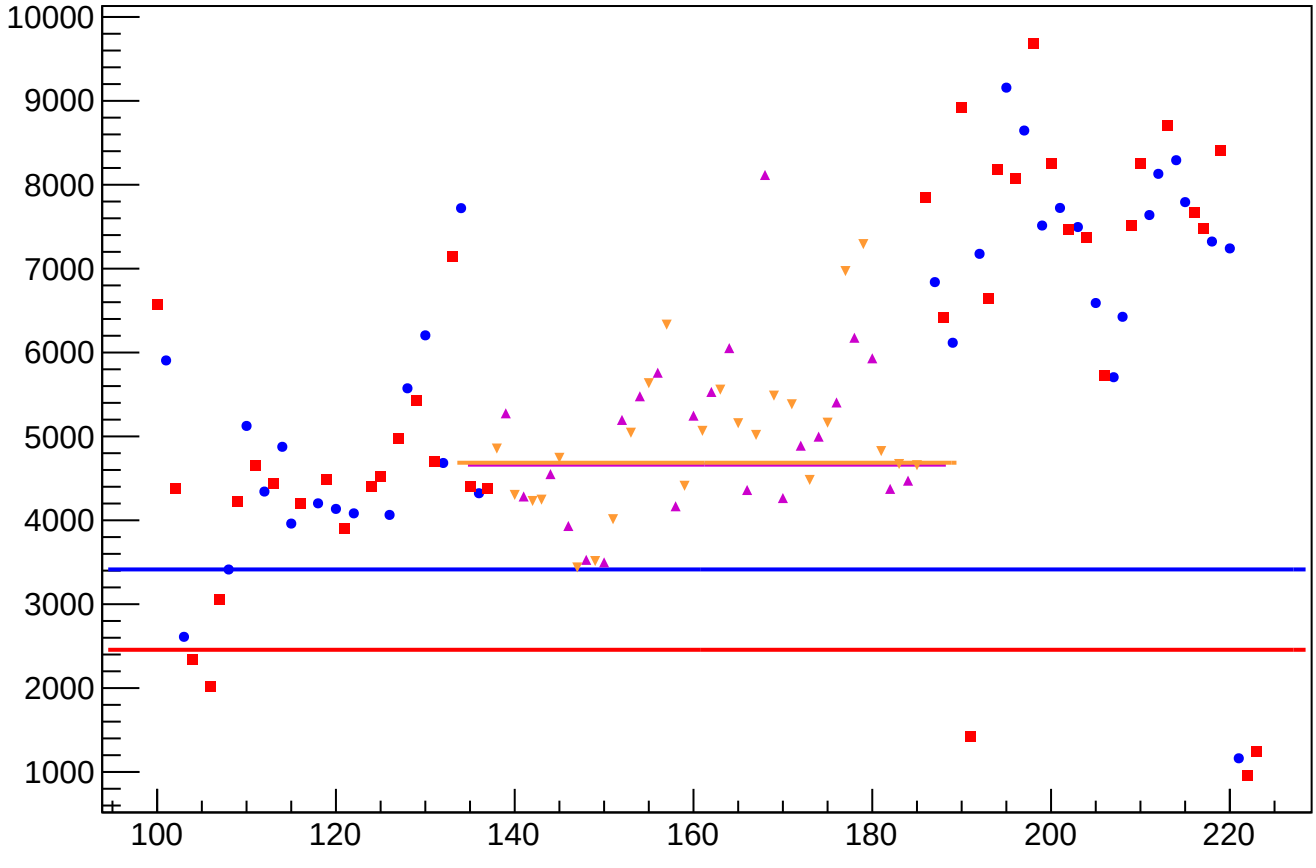
Right: 109.431+/-558.367 χ^2/NDF: 83.8/72

In: 300.499+/-703.048 χ^2/NDF:53.8/56

Out: -152.524+/-593.811 χ^2/NDF:72.4/63

All: 36.098+/-453.649 χ^2/NDF: 126.5/120

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



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

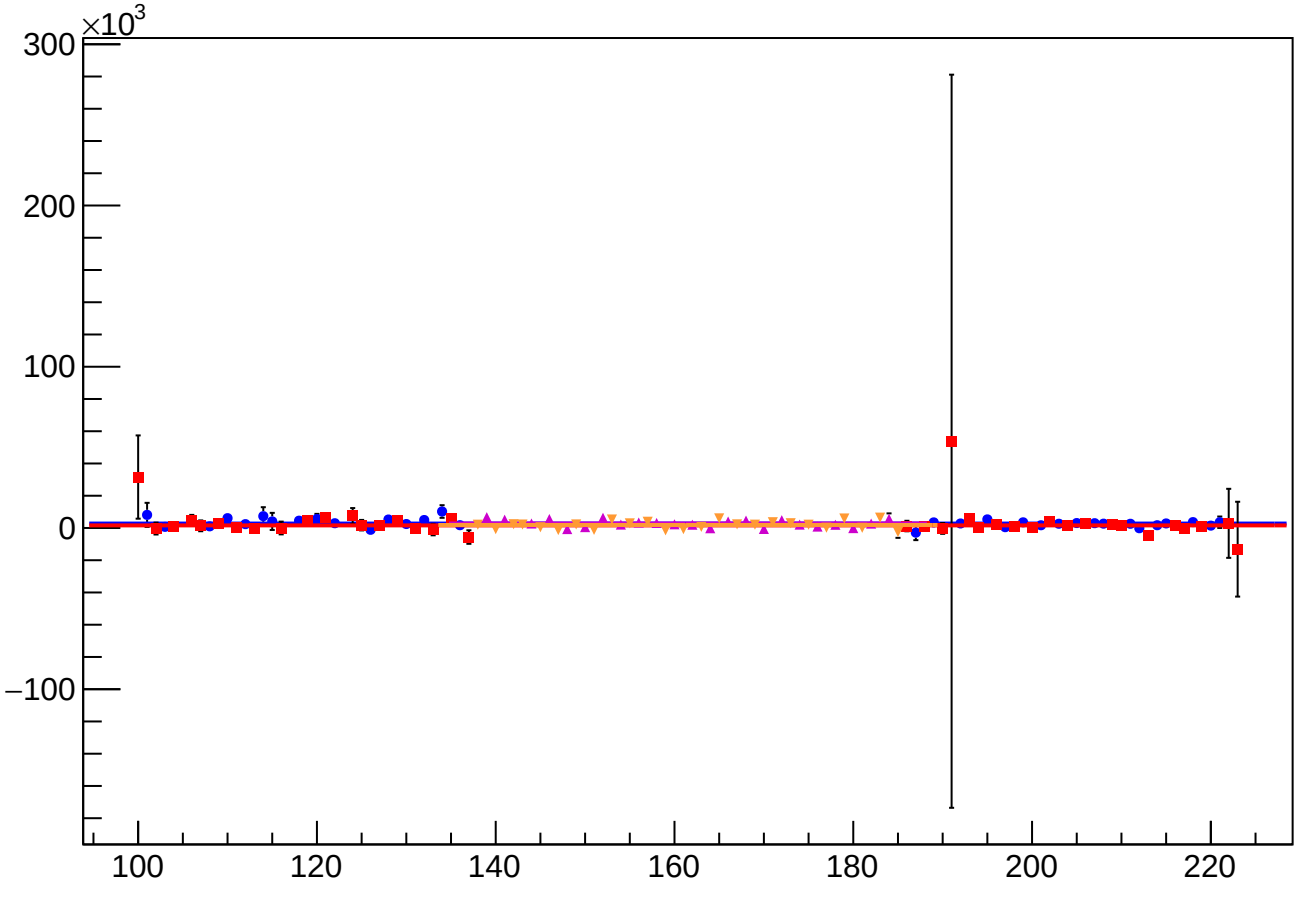
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 2819.402+/-0.395 χ^2/NDF: 36938782.1/72

In: 3913.051+/-0.497 χ^2/NDF:17761875.0/56

Out: 3119.950+/-0.420 χ^2/NDF:27672237.4/63

All: 3450.166+/-0.321 χ^2/NDF: 46919573.8/1



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

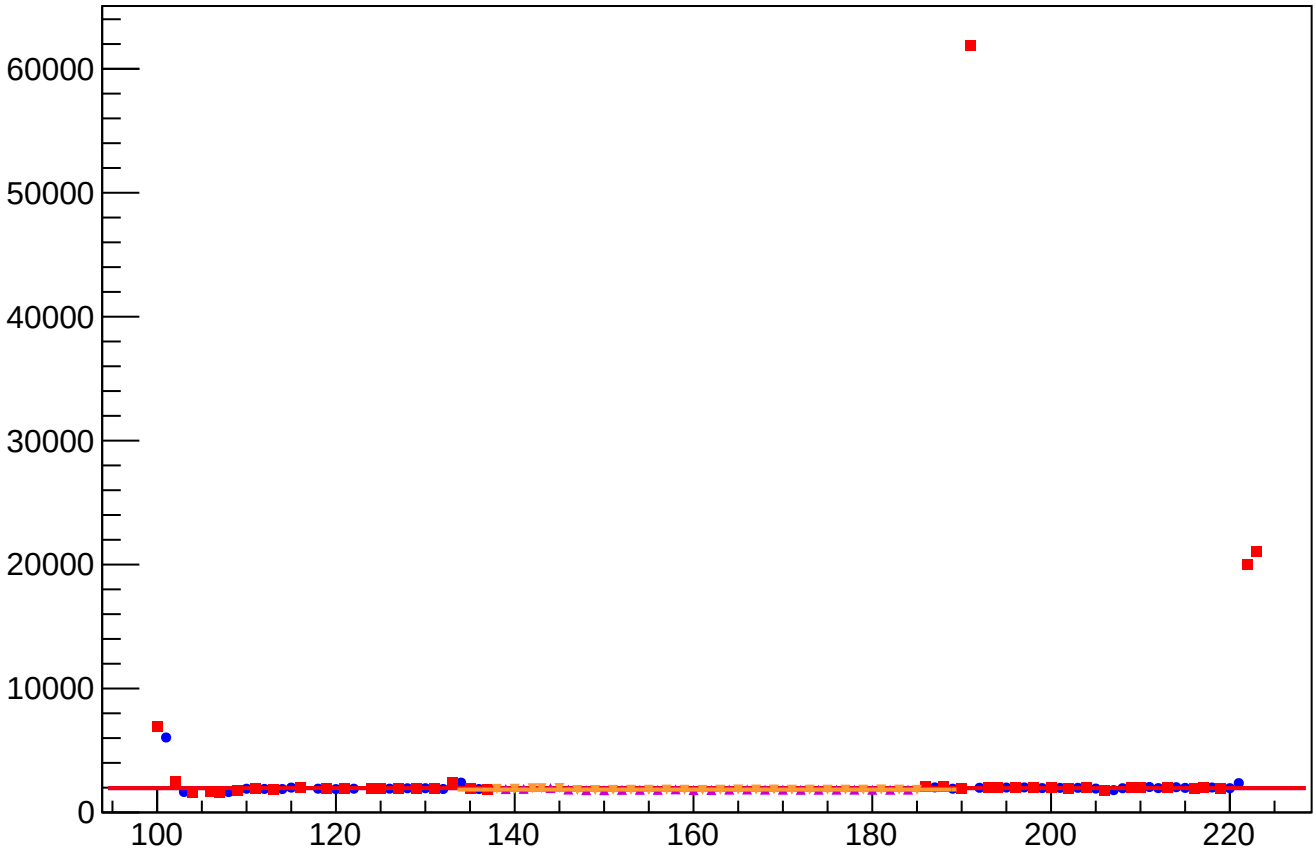
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2171.394+/-301.680 χ^2/NDF: 57.1/72

In: 2756.249+/-302.986 χ^2/NDF:44.5/56

Out: 1729.524+/-299.479 χ^2/NDF:66.1/63

All: 2236.909+/-212.993 χ^2/NDF: 116.5/120



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

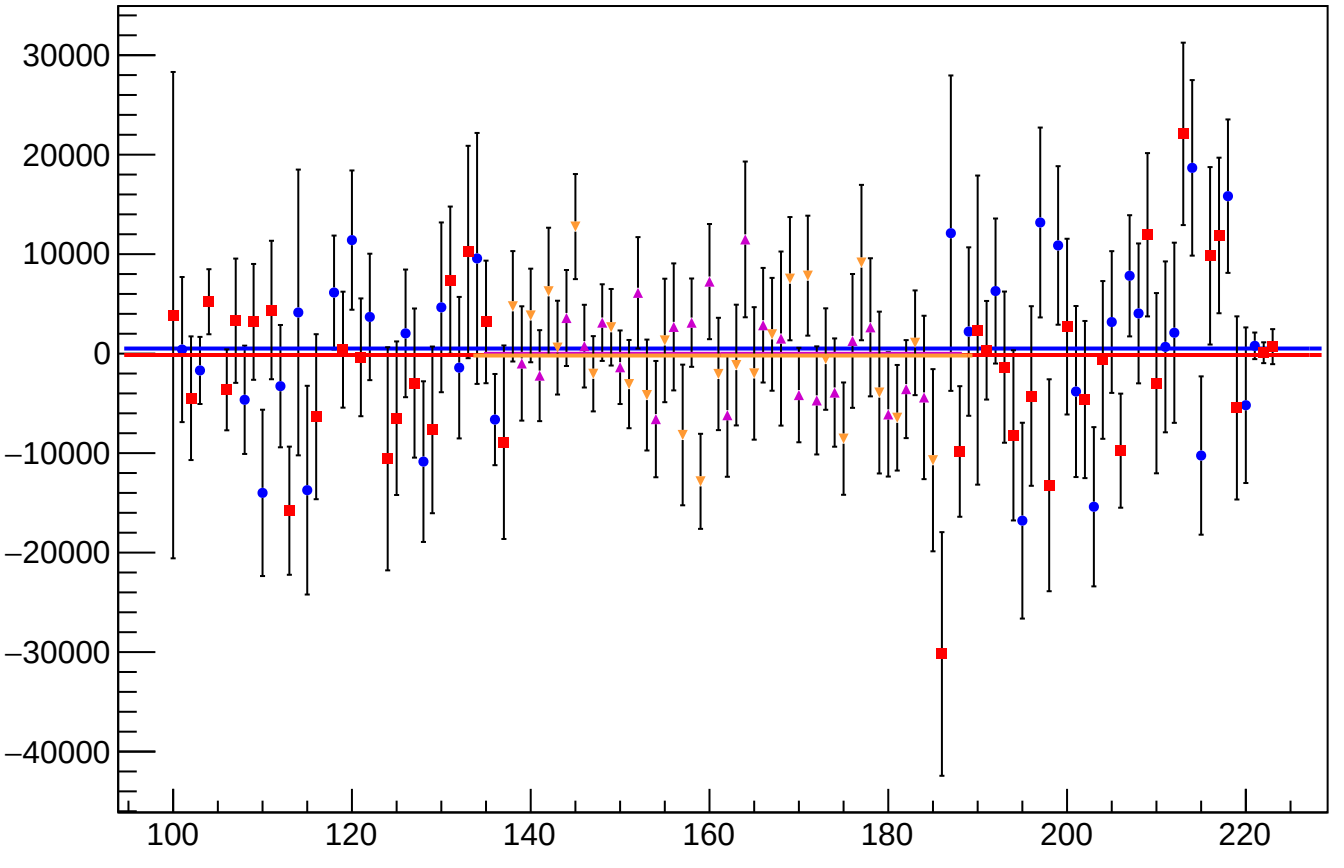
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1962.170+/-0.213 χ^2/NDF: 3442316.3/72

In: 1902.790+/-0.214 χ^2/NDF:840426.7/56

Out: 1905.858+/-0.212 χ^2/NDF:2783413.4/63

All: 1904.342+/-0.151 χ^2/NDF: 3623943.9/12



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

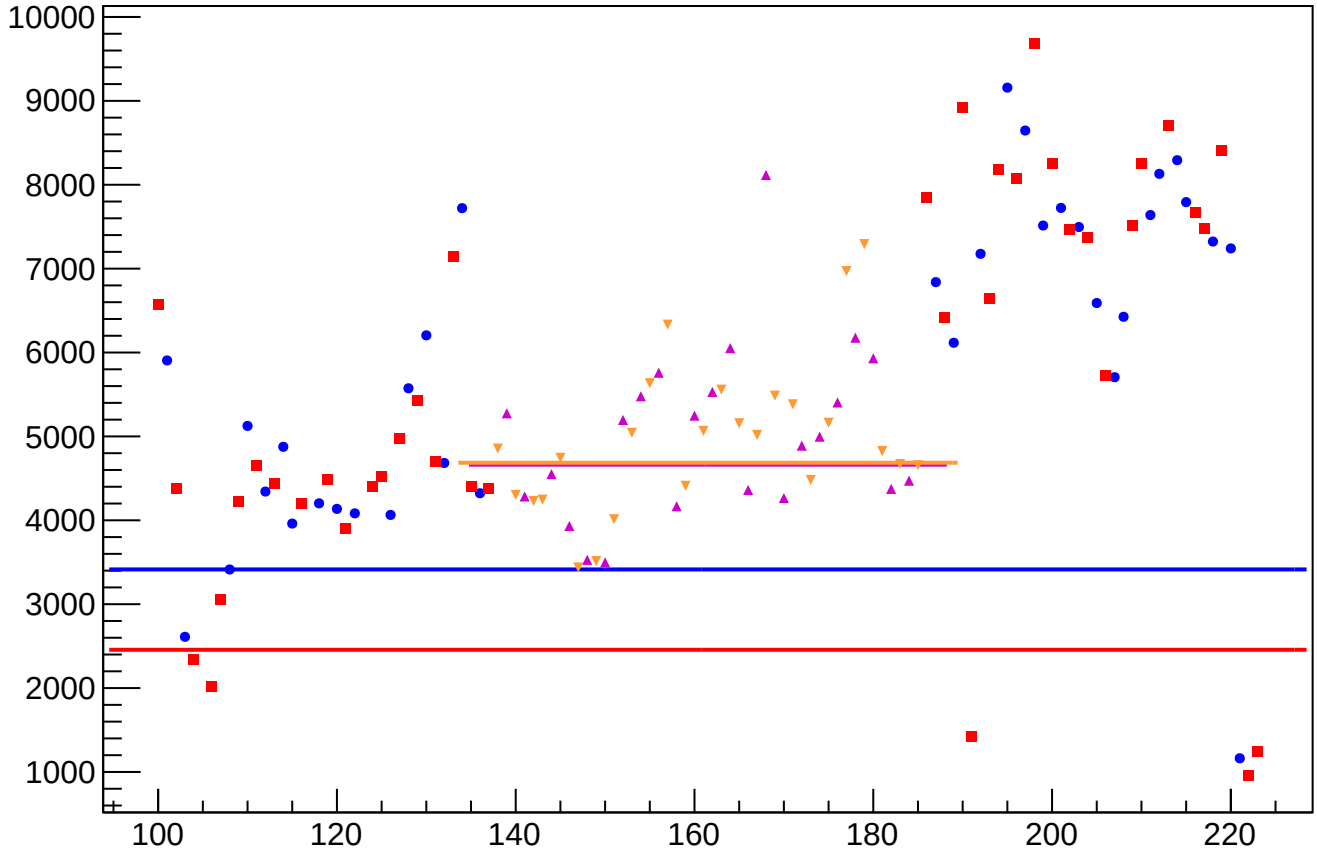
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: 109.431+/-558.367 χ^2/NDF: 83.8/72

In: 300.499+/-703.048 χ^2/NDF:53.8/56

Out: -152.524+/-593.811 χ^2/NDF:72.4/63

All: 36.098+/-453.649 χ^2/NDF: 126.5/120



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

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

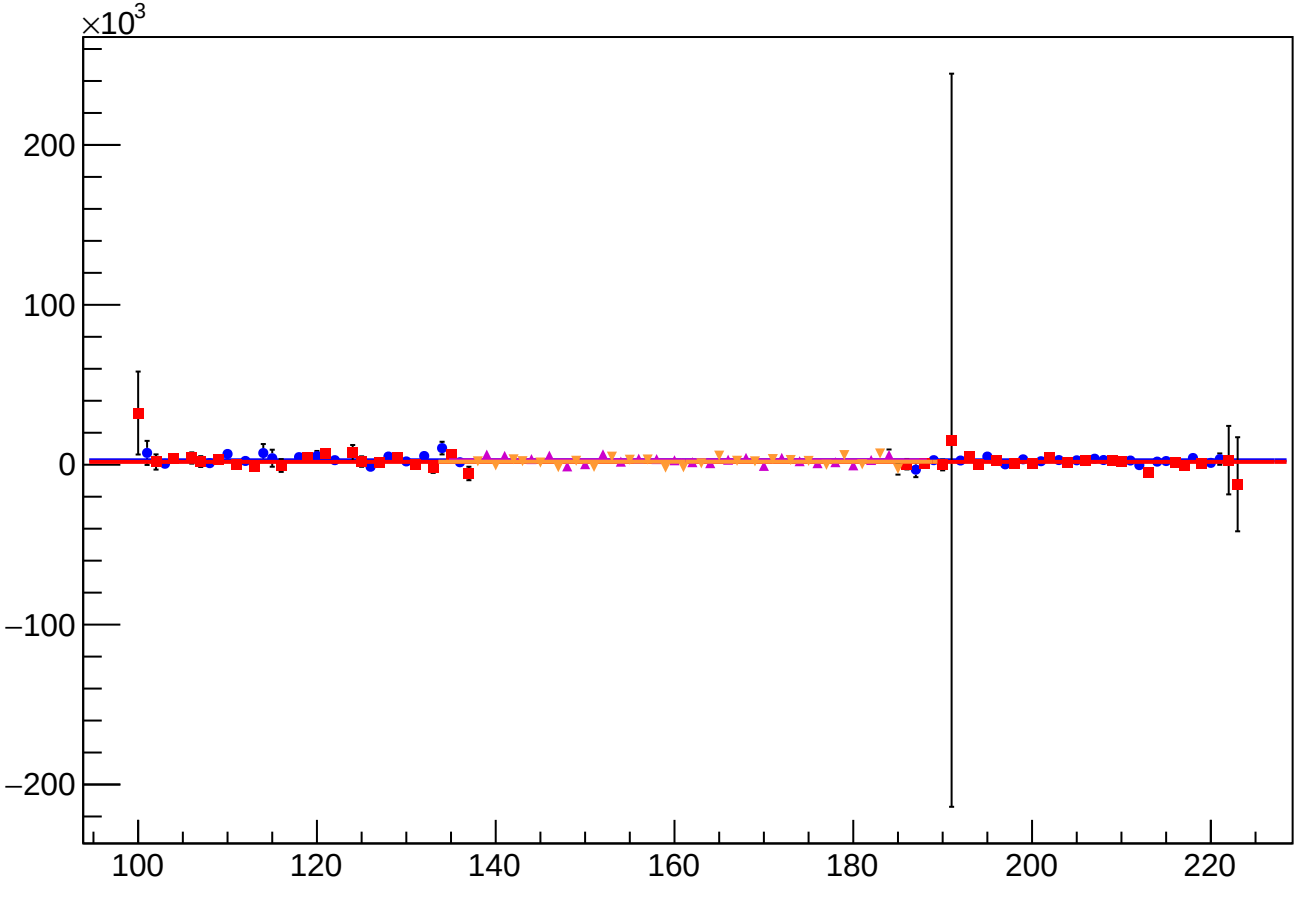
Right: 2819.402+/-0.395 χ^2/NDF: 36938782.1/72

In: 3913.051+/-0.497 χ^2/NDF:17761875.0/56

Out: 3119.950+/-0.420 χ^2/NDF:27672237.4/63

All: 3450.166+/-0.321 χ^2/NDF: 46919573.8/1

dit_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

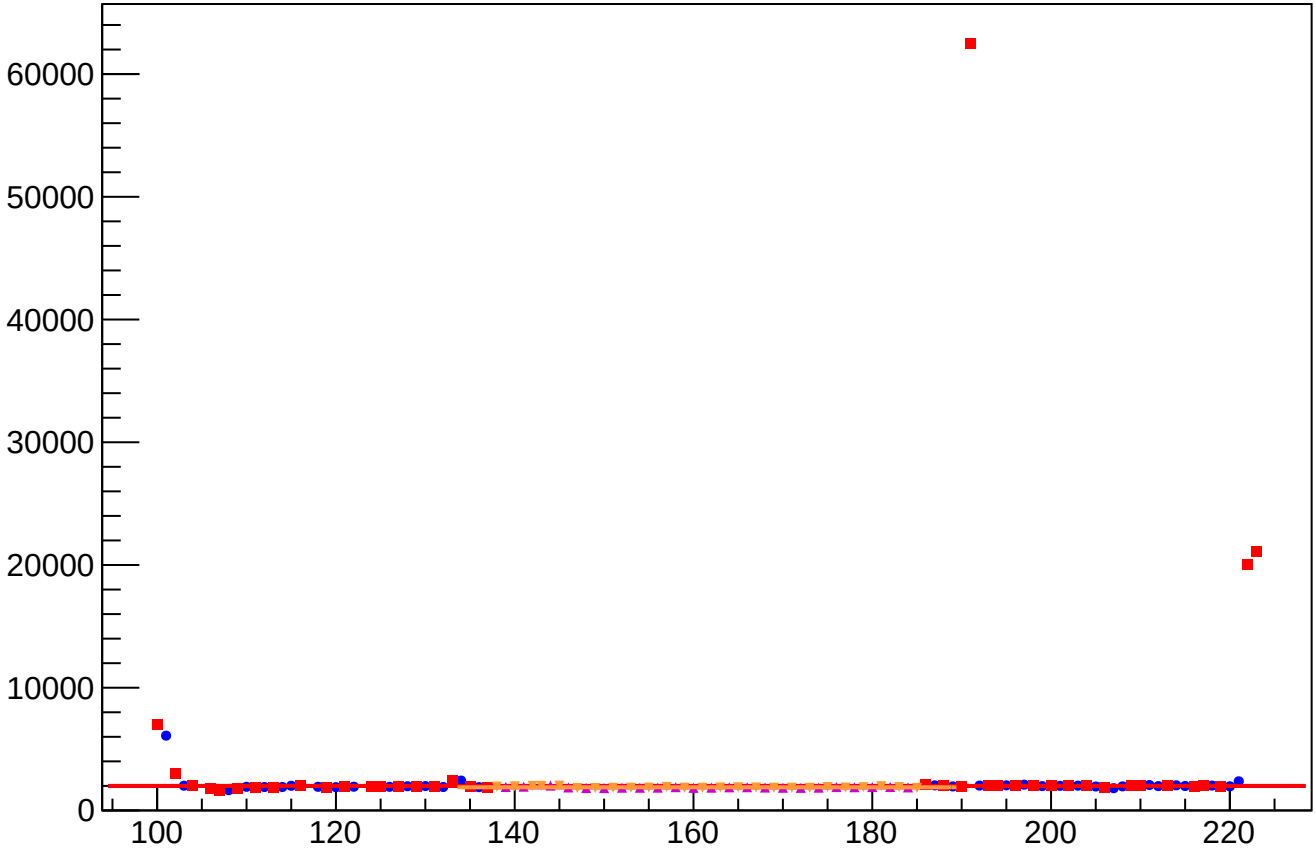
Right: 2276.204+/-307.199 χ^2/NDF: 58.7/72

In: 2786.370+/-308.500 χ^2/NDF:45.5/56

Out: 1827.735+/-305.616 χ^2/NDF:68.9/63

All: 2302.551+/-217.115 χ^2/NDF: 119.3/120

dit_asym_atr_avg_rms vs Slug, Sign Corrected



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

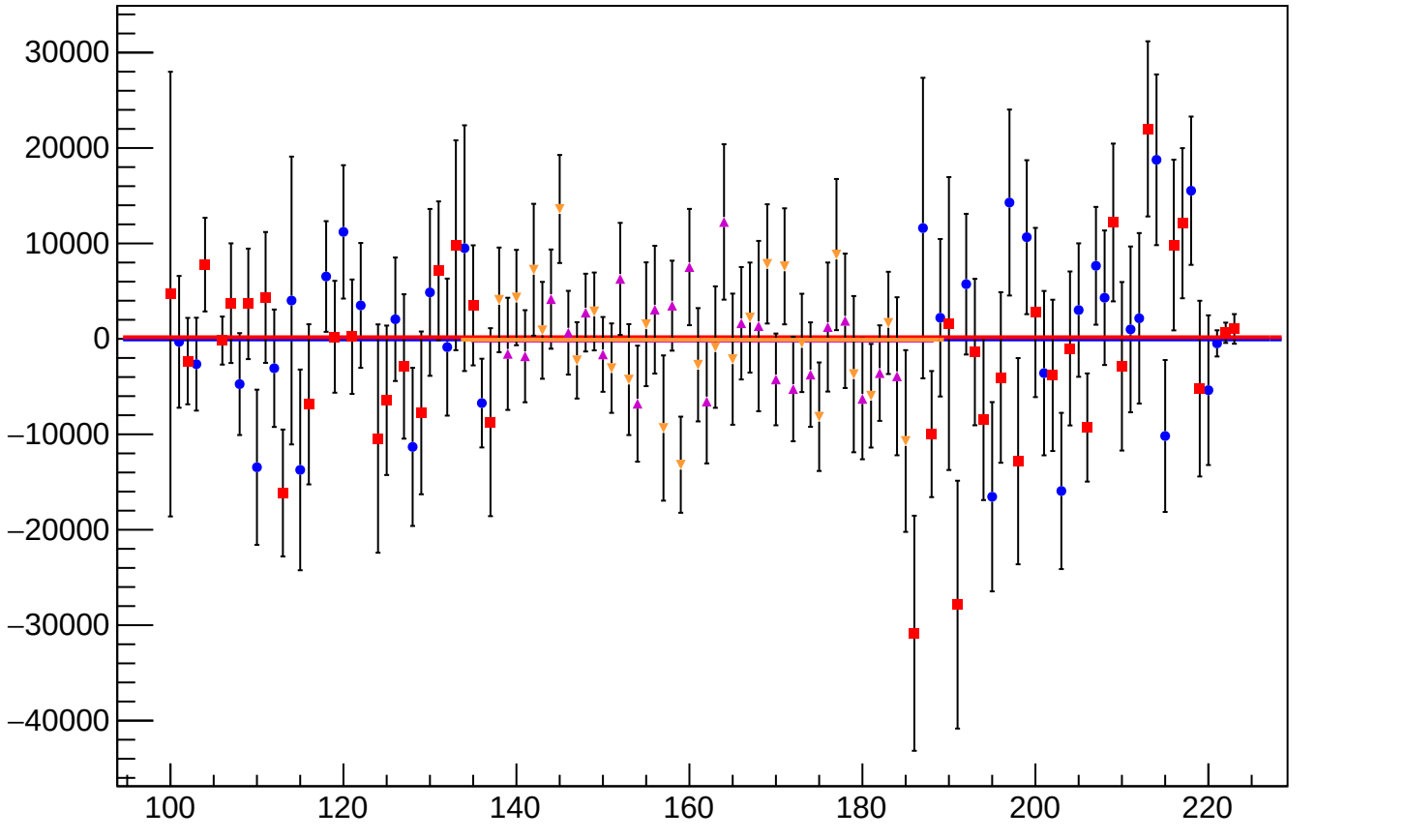
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

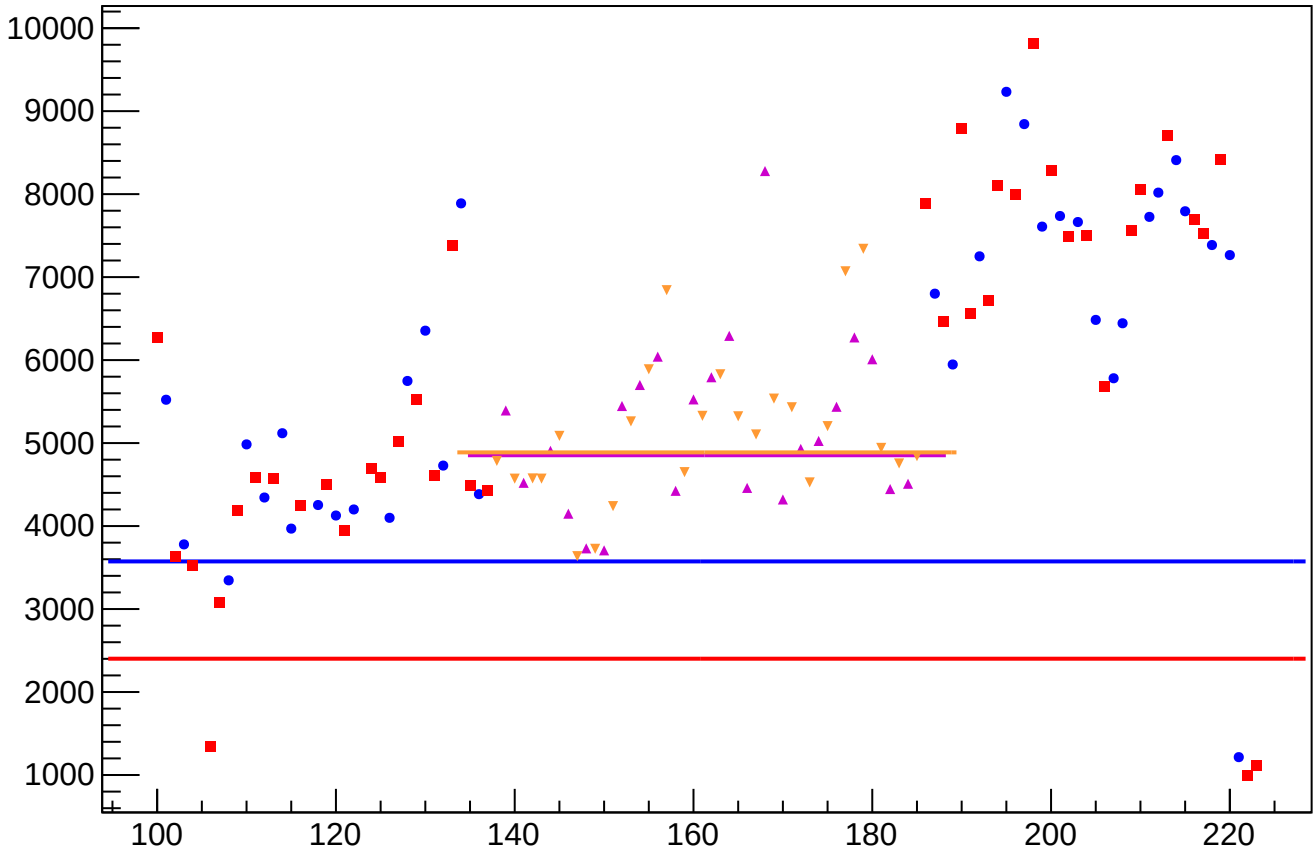
Right: 1996.953+/-0.217 χ^2/NDF: 3415966.3/72

In: 1937.663+/-0.218 χ^2/NDF:804963.0/56

Out: 1943.285+/-0.216 χ^2/NDF:2796926.2/63

All: 1940.501+/-0.154 χ^2/NDF: 3602224.4/12


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -57.055+/-938.409 χ²/NDF: 39.6/33
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: 170.634+/-692.299 χ²/NDF: 47.3/38
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: 90.387+/-557.101 χ²/NDF: 86.9/72
In: -104.751+/-728.587 χ²/NDF:53.1/56
Out: 99.286+/-590.780 χ²/NDF:75.5/63
All: 18.349+/-458.881 χ²/NDF: 128.6/120



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

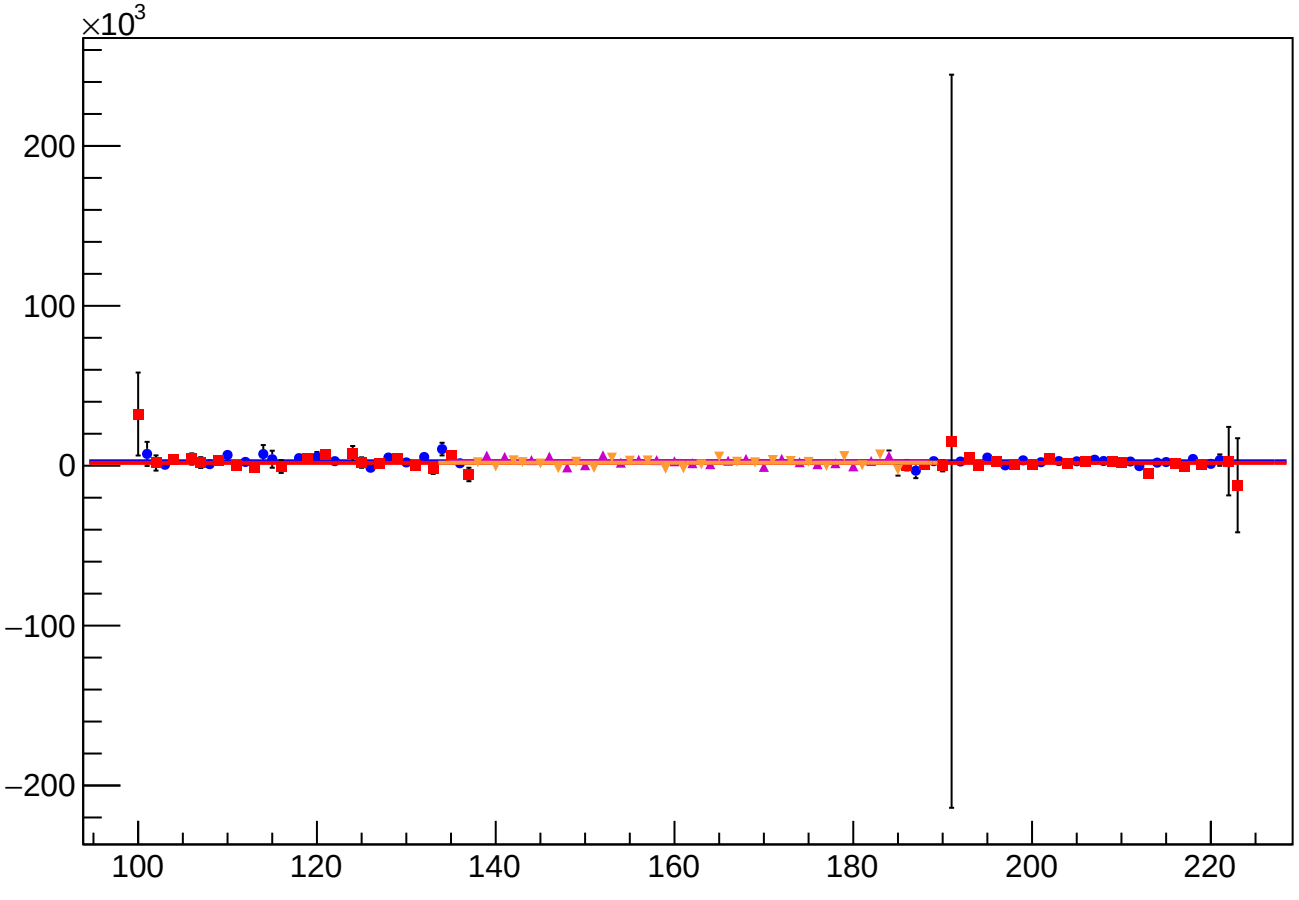
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 2814.699+/-0.394 χ^2/NDF: 37770460.4/72

In: 4082.107+/-0.515 χ^2/NDF:16991956.6/56

Out: 3077.217+/-0.418 χ^2/NDF:29486408.9/63

All: 3475.835+/-0.324 χ^2/NDF: 48773737.5/1



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

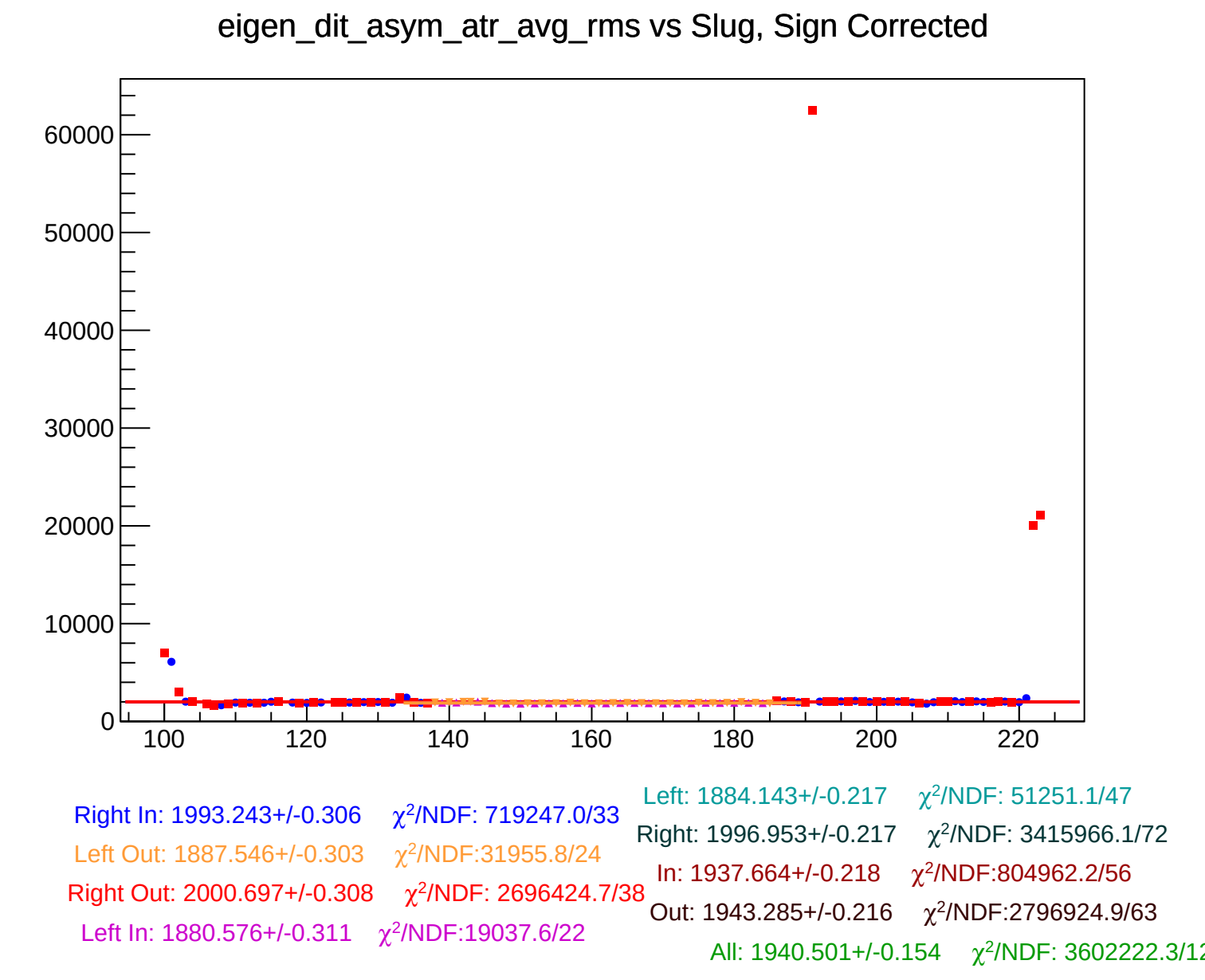
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

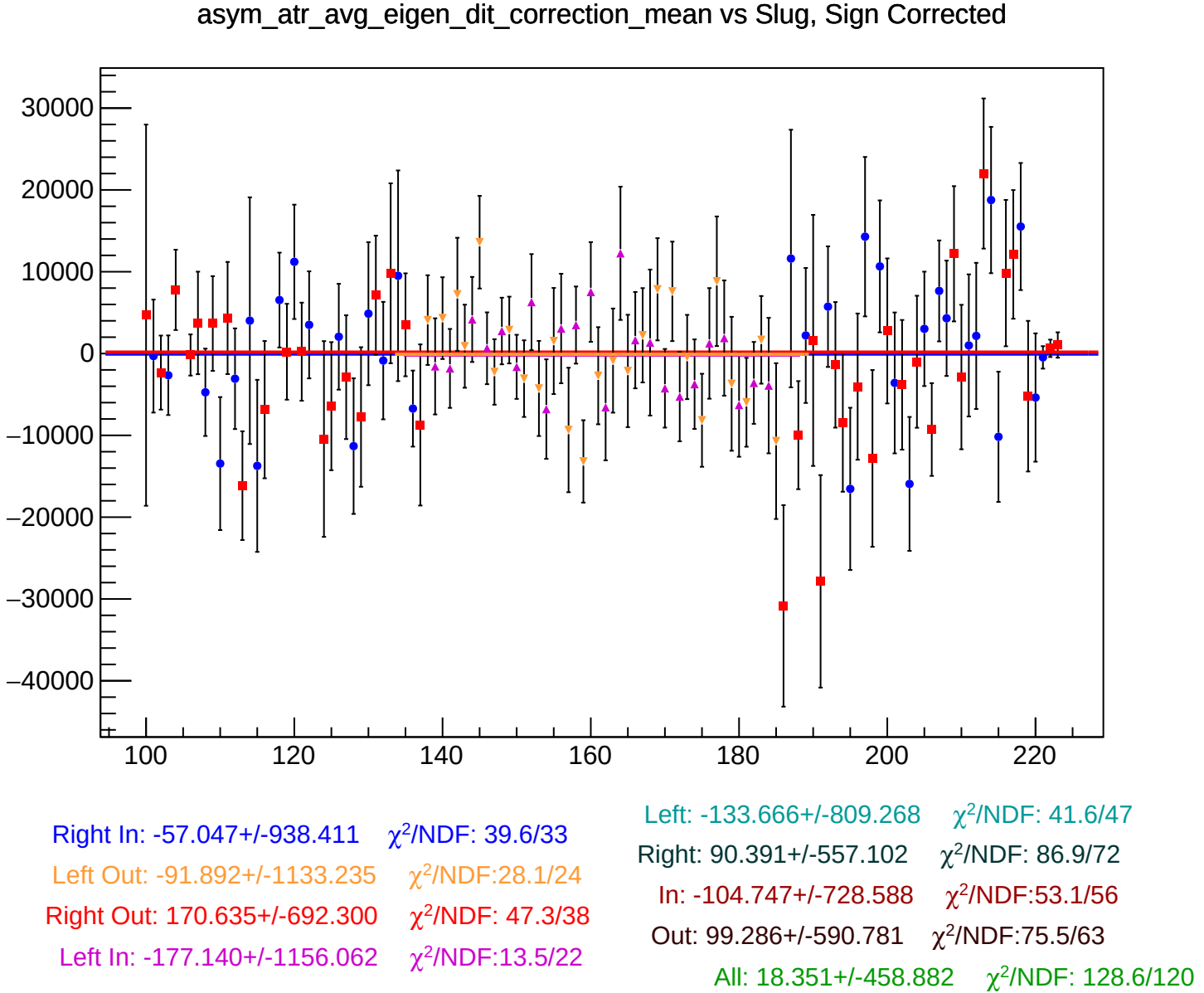
Right: 2276.202+/-307.199 χ^2/NDF: 58.7/72

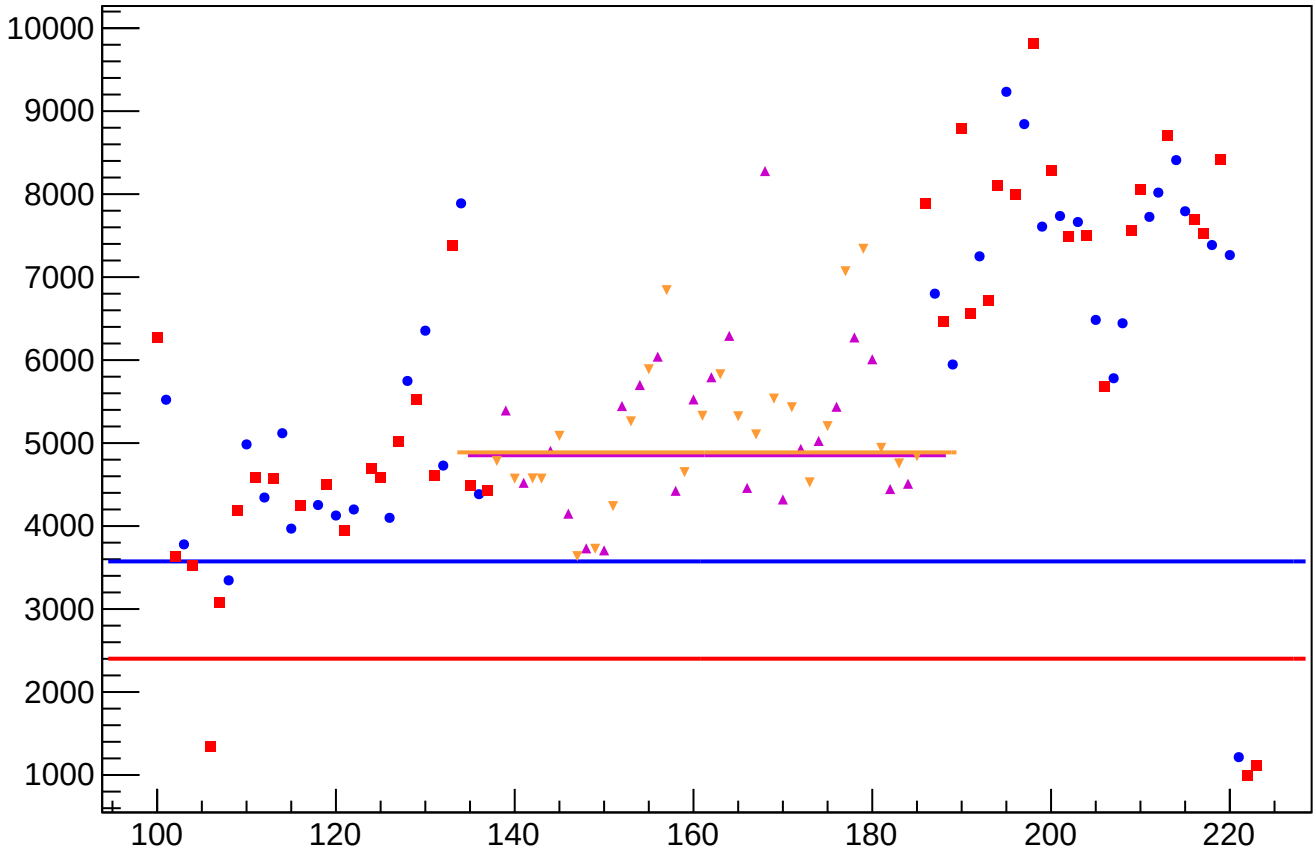
In: 2786.368+/-308.500 χ^2/NDF:45.5/56

Out: 1827.733+/-305.616 χ^2/NDF:68.9/63

All: 2302.549+/-217.115 χ^2/NDF: 119.3/120


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
100
120
140
160
180
200
220
Right In: 1993.243+/-0.306 χ²/NDF: 719247.0/33
Left Out: 1887.546+/-0.303 χ²/NDF:31955.8/24
Right Out: 2000.697+/-0.308 χ²/NDF: 2696424.7/38
Left In: 1880.576+/-0.311 χ²/NDF:19037.6/22
Left: 1884.143+/-0.217 χ²/NDF: 51251.1/47
Right: 1996.953+/-0.217 χ²/NDF: 3415966.1/72
In: 1937.664+/-0.218 χ²/NDF:804962.2/56
Out: 1943.285+/-0.216 χ²/NDF:2796924.9/63
All: 1940.501+/-0.154 χ²/NDF: 3602222.3/12


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -57.047+/-938.411 χ²/NDF: 39.6/33
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: 170.635+/-692.300 χ²/NDF: 47.3/38
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: 90.391+/-557.102 χ²/NDF: 86.9/72
In: -104.747+/-728.588 χ²/NDF:53.1/56
Out: 99.286+/-590.781 χ²/NDF:75.5/63
All: 18.351+/-458.882 χ²/NDF: 128.6/120



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

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

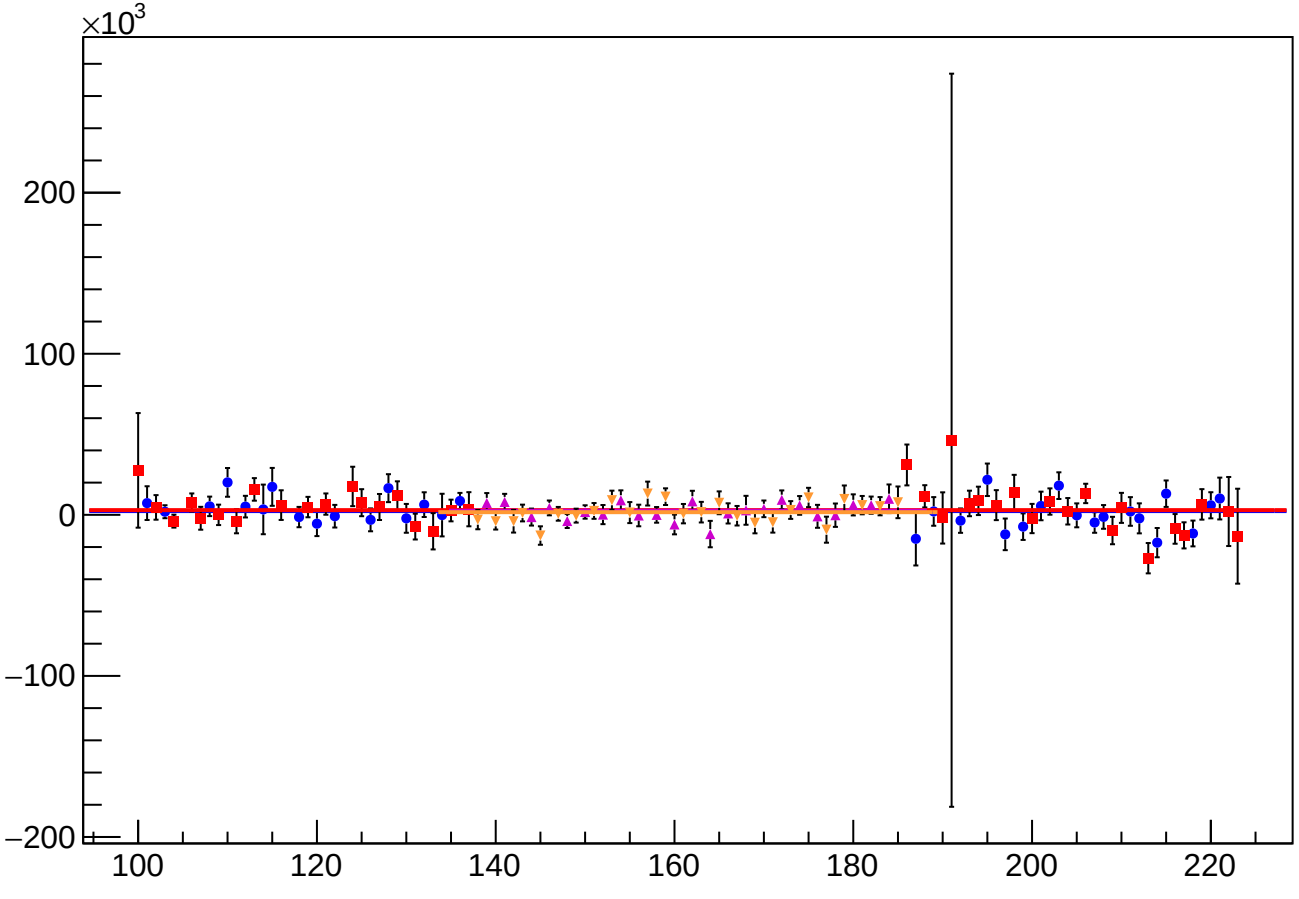
Right: 2814.704+/-0.394 χ^2/NDF: 37770387.0/72

In: 4082.115+/-0.515 χ^2/NDF:16991895.5/56

Out: 3077.221+/-0.418 χ^2/NDF:29486386.0/63

All: 3475.840+/-0.324 χ^2/NDF: 48773665.9/

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

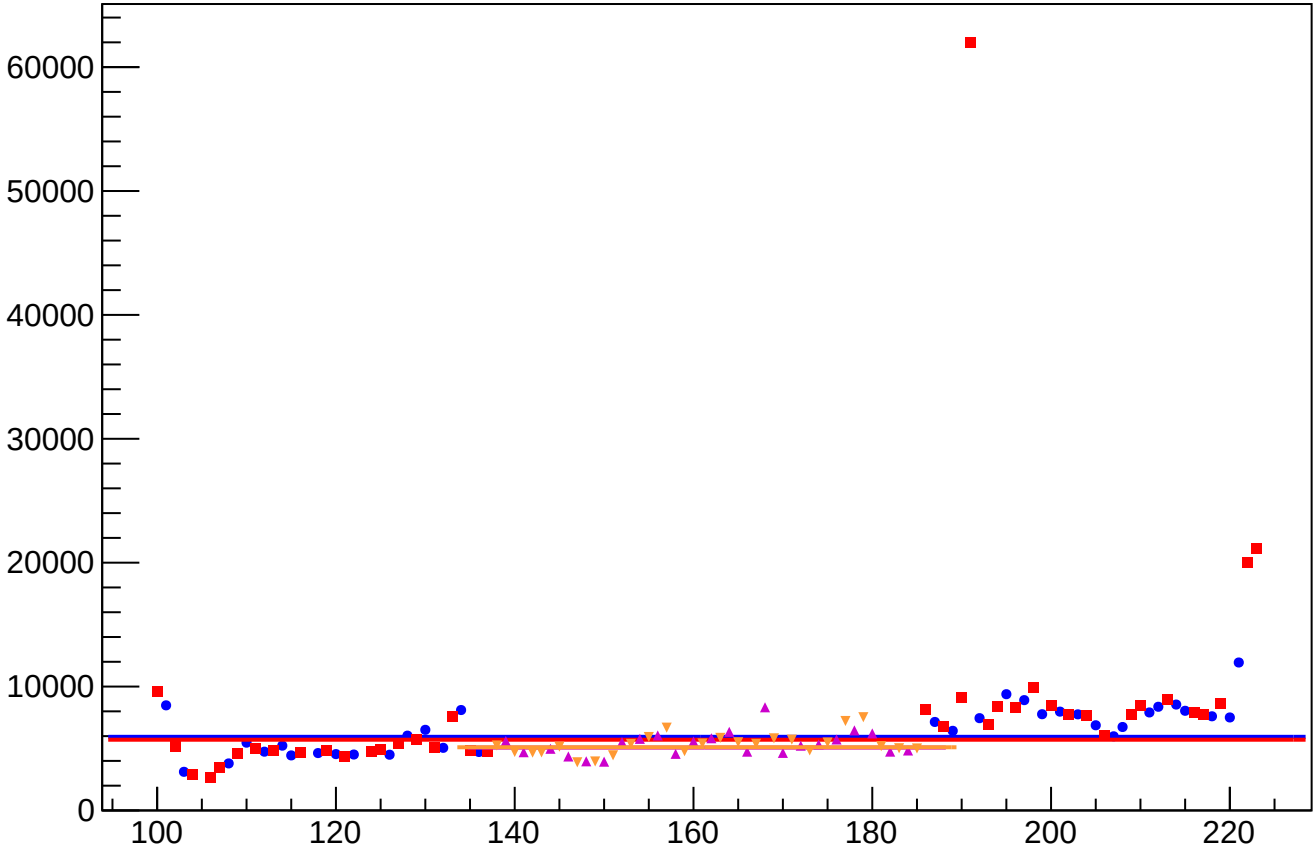
Right: 2632.771+/-934.470 χ^2/NDF: 83.5/72

In: 2458.683+/-894.719 χ^2/NDF:53.7/56

Out: 2223.377+/-875.331 χ^2/NDF:72.1/63

All: 2338.453+/-625.695 χ^2/NDF: 125.9/120

asym_atr_avg_rms vs Slug, Sign Corrected



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

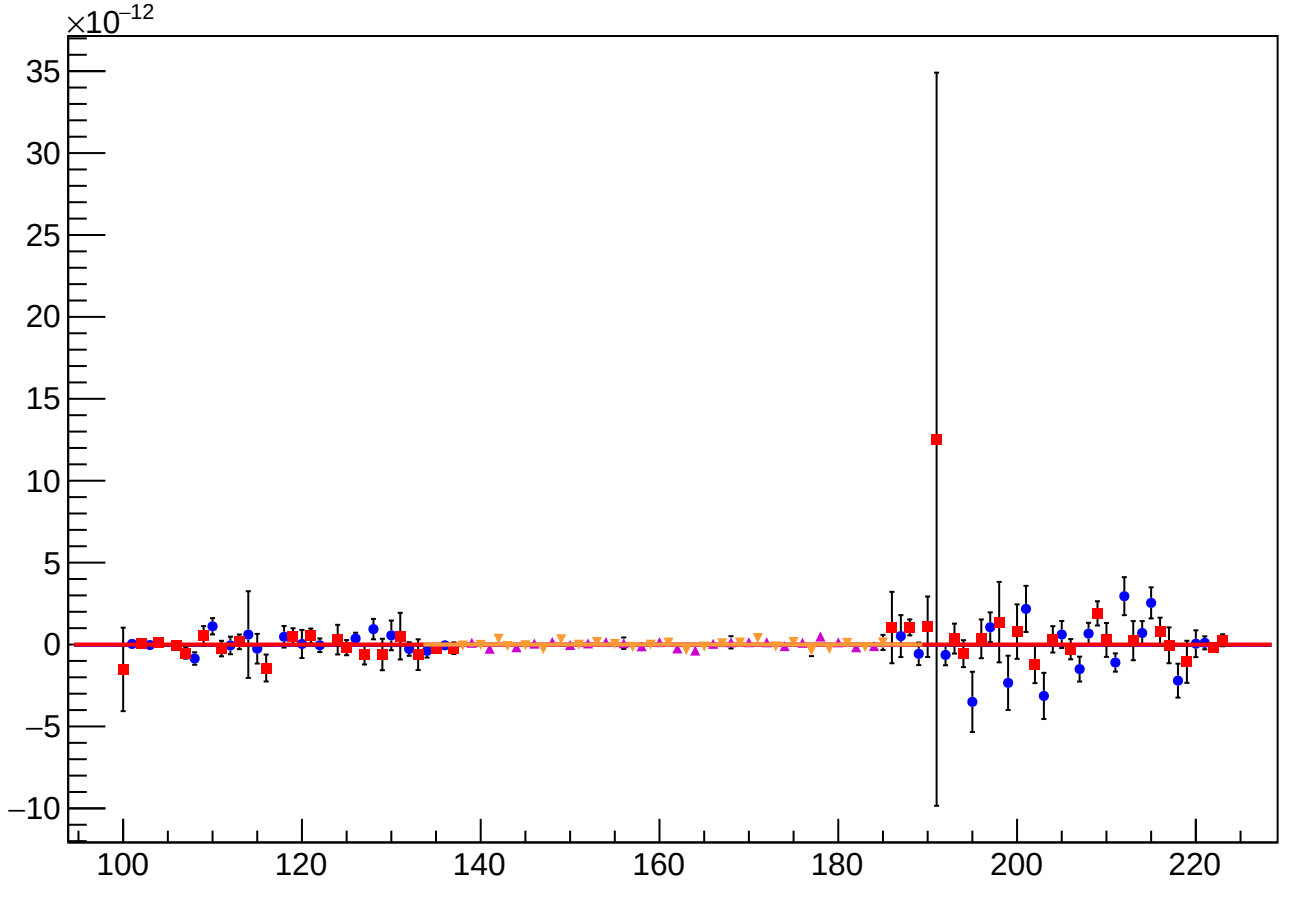
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5823.538+/-0.659 χ^2/NDF: 10206034.9/72

In: 5463.675+/-0.633 χ^2/NDF:5427511.8/56

Out: 5375.306+/-0.617 χ^2/NDF:7357085.4/63

All: 5418.417+/-0.442 χ^2/NDF: 12794589.3/1



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

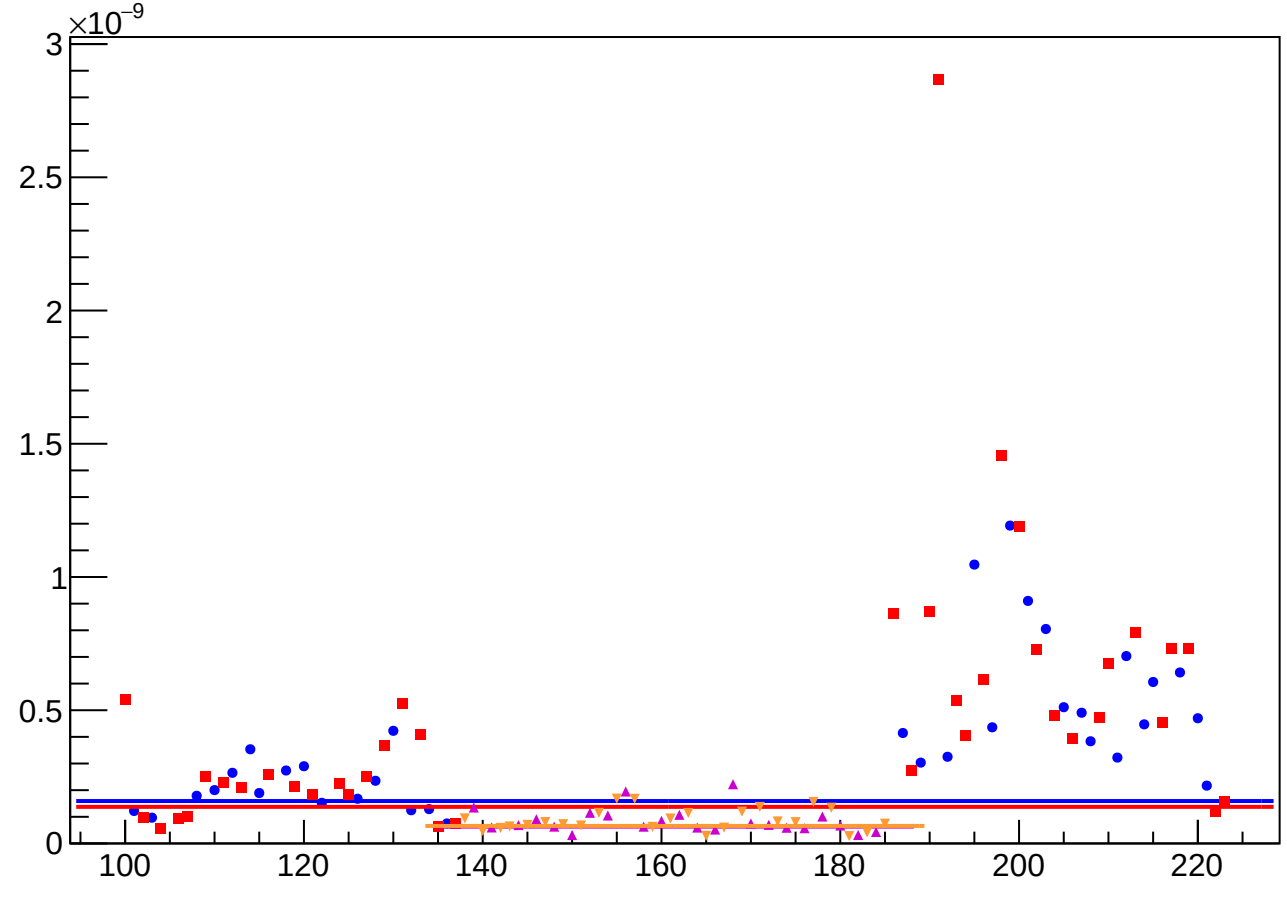
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 93.4/72

In: -0.000+/-0.000 χ^2/NDF:92.9/56

Out: 0.000+/-0.000 χ^2/NDF:66.1/63

All: -0.000+/-0.000 χ^2/NDF: 159.4/120



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

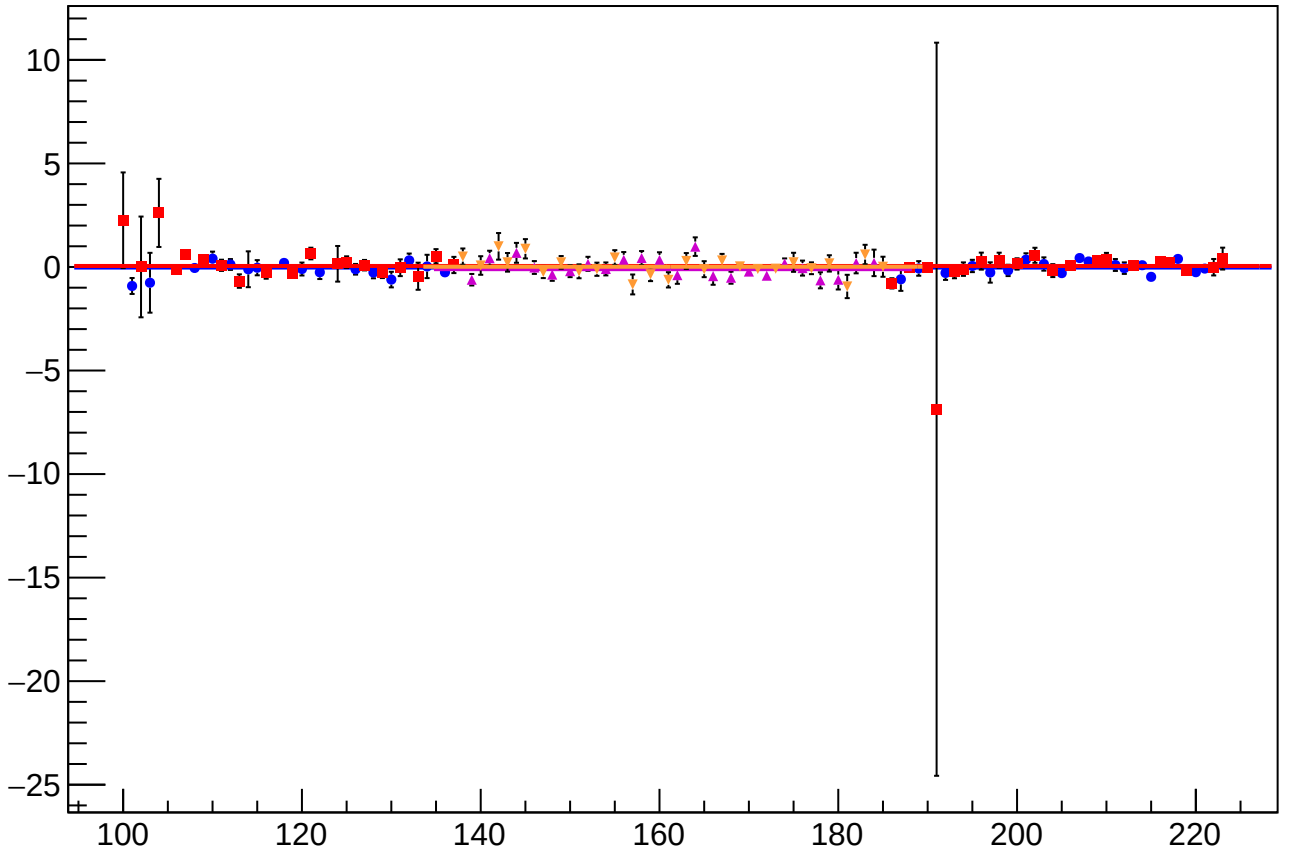
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 17151908.9/72

In: 0.000+/-0.000 χ^2/NDF:13023331.5/56

Out: 0.000+/-0.000 χ^2/NDF:14030681.4/63

All: 0.000+/-0.000 χ^2/NDF: 27054560.6/120



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

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

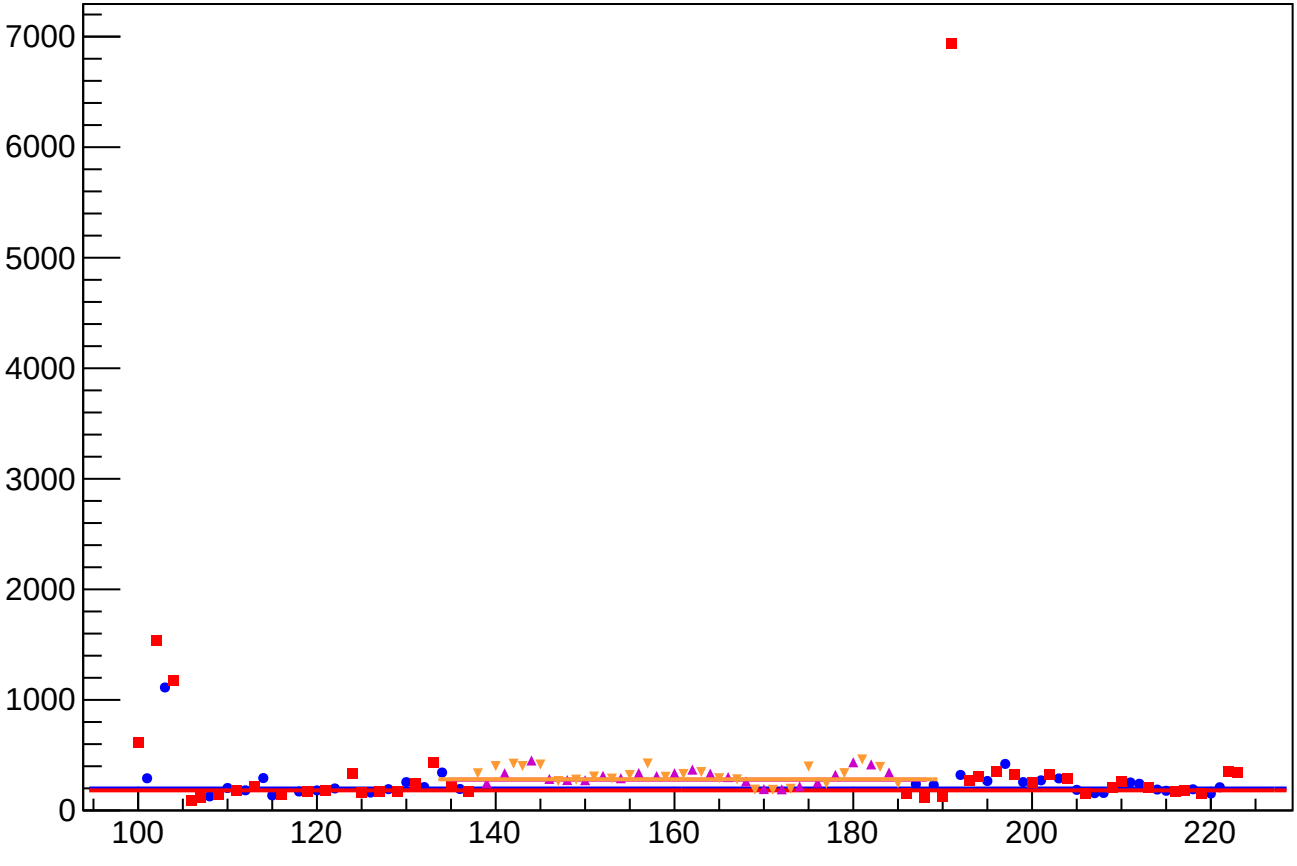
Right: 0.013+/-0.031 χ^2/NDF: 95.6/72

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.038+/-0.036 χ^2/NDF:77.6/63

All: -0.005+/-0.026 χ^2/NDF: 154.7/120

asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

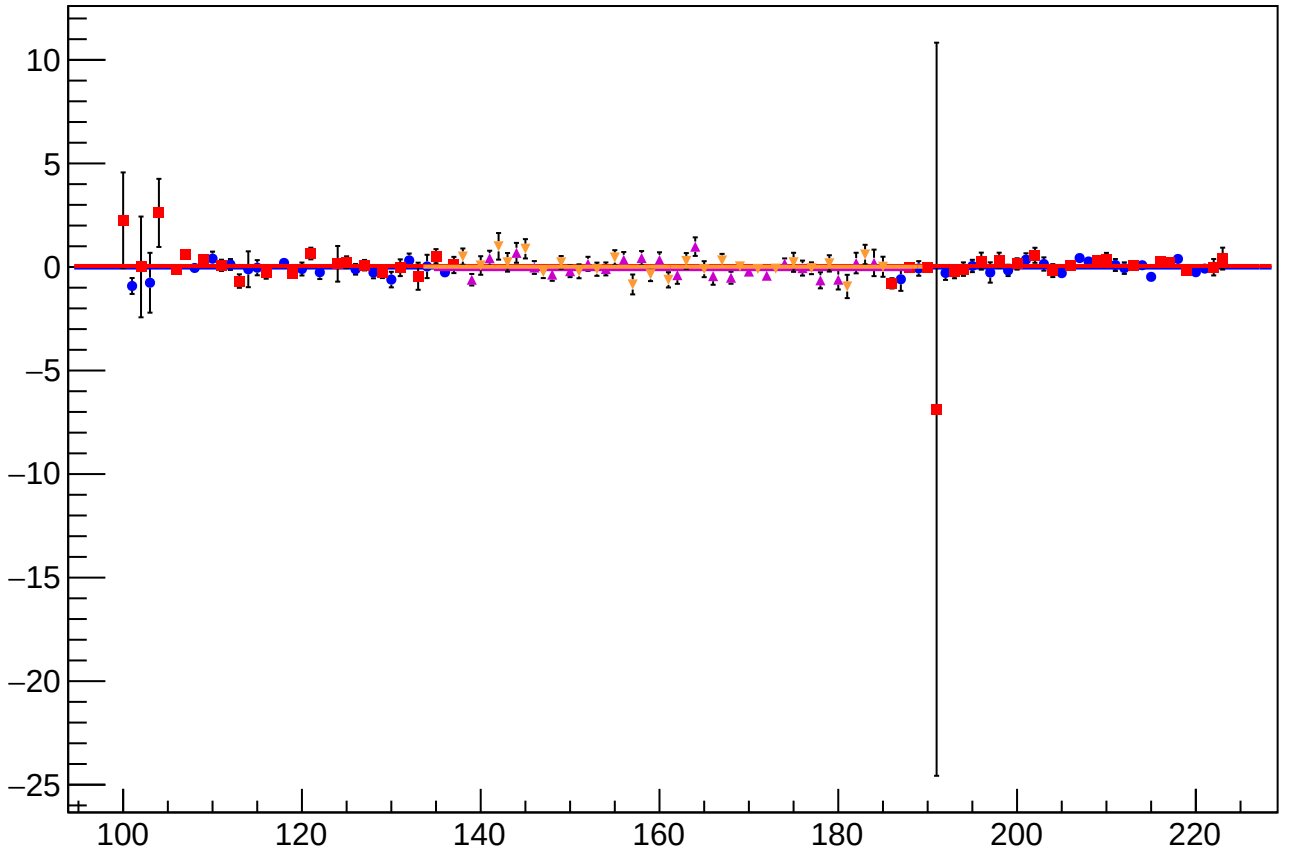
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 189.614+/-0.022 χ^2/NDF: 9606729.8/72

In: 223.055+/-0.027 χ^2/NDF:6876291.7/56

Out: 210.313+/-0.026 χ^2/NDF:11880180.7/63

All: 216.388+/-0.019 χ^2/NDF: 18873806.5/12



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

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

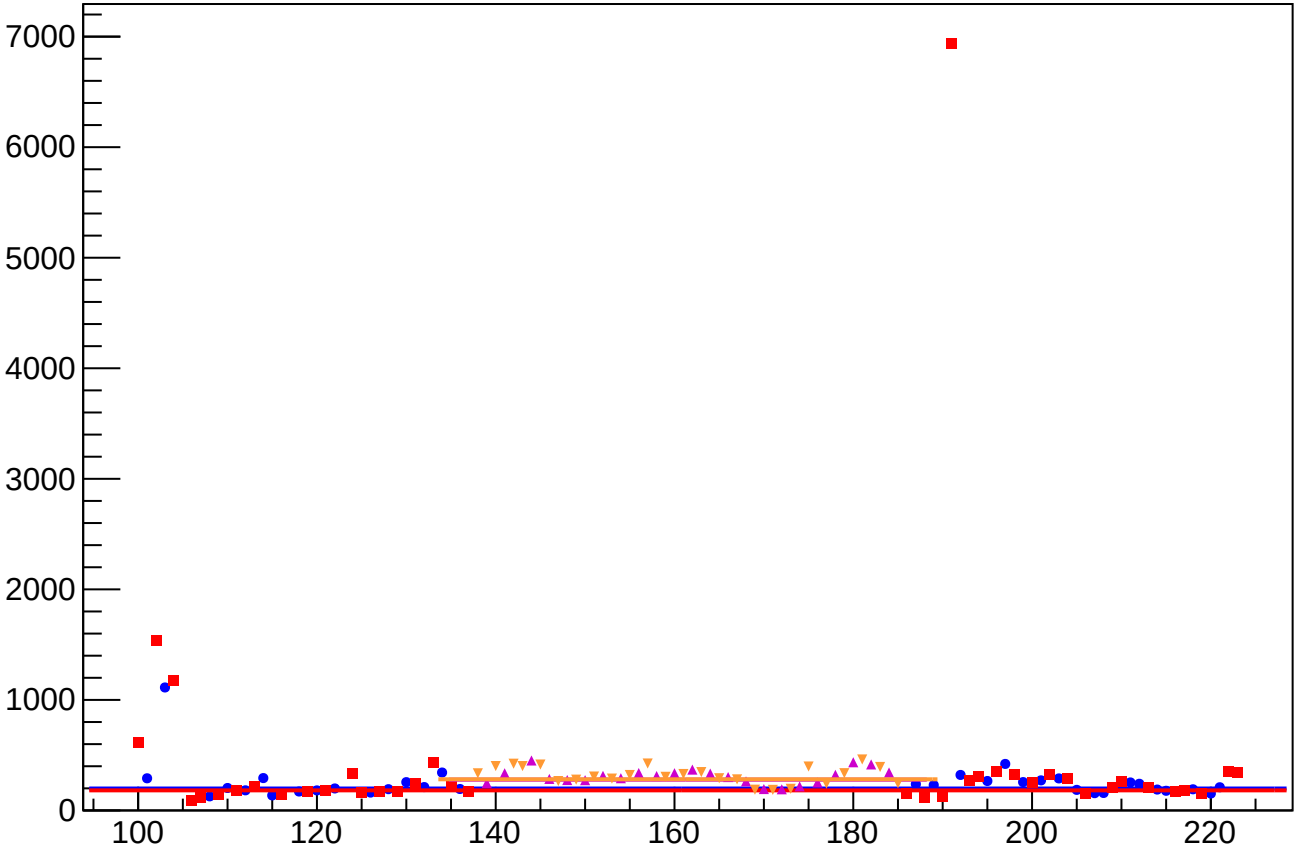
Right: 0.013+/-0.031 χ^2/NDF: 95.6/72

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.038+/-0.036 χ^2/NDF:77.6/63

All: -0.005+/-0.026 χ^2/NDF: 154.7/120

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

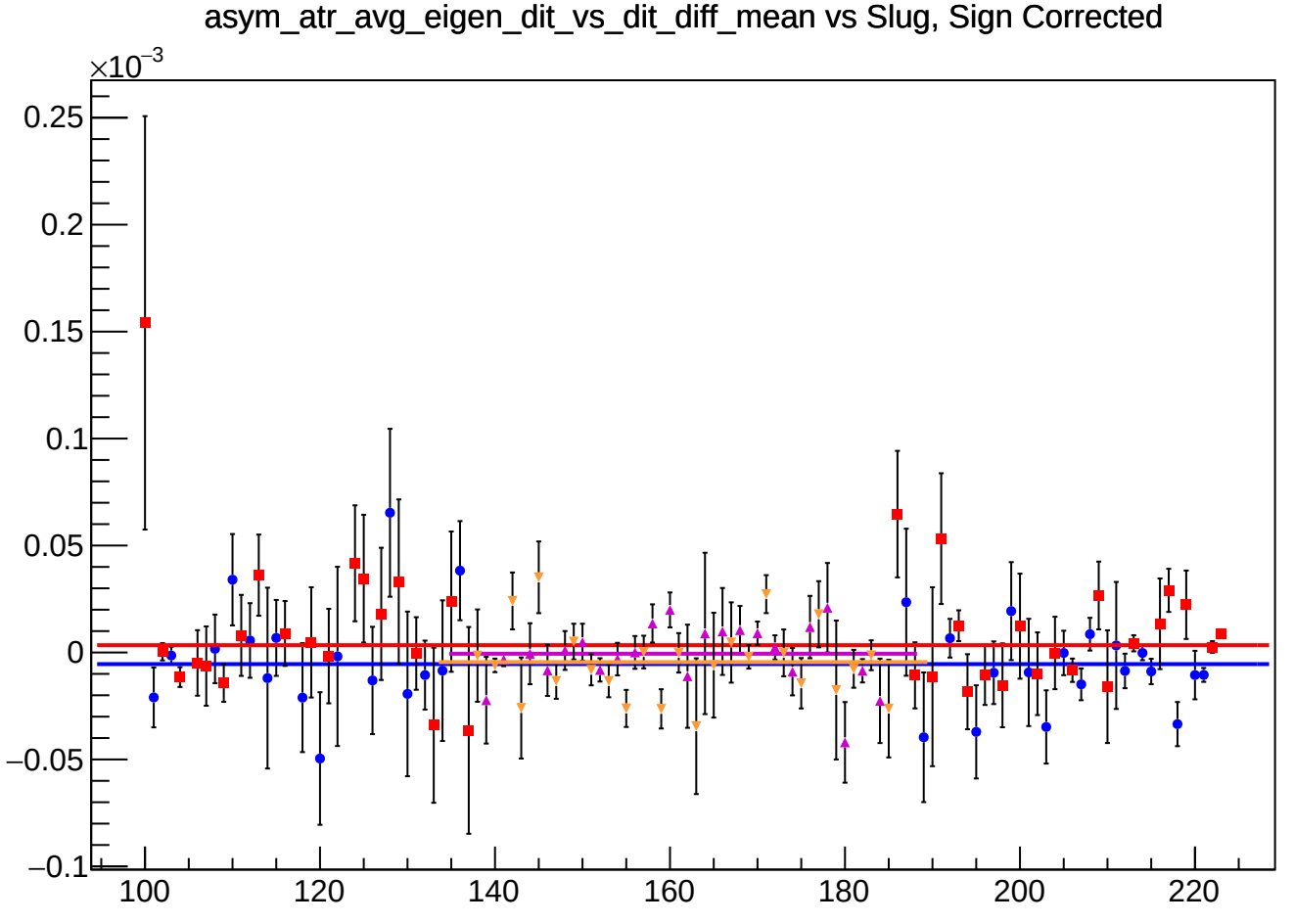
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 189.614+/-0.022 χ^2/NDF: 9606729.8/72

In: 223.055+/-0.027 χ^2/NDF:6876291.7/56

Out: 210.313+/-0.026 χ^2/NDF:11880180.7/63

All: 216.388+/-0.019 χ^2/NDF: 18873806.5/12



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

Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

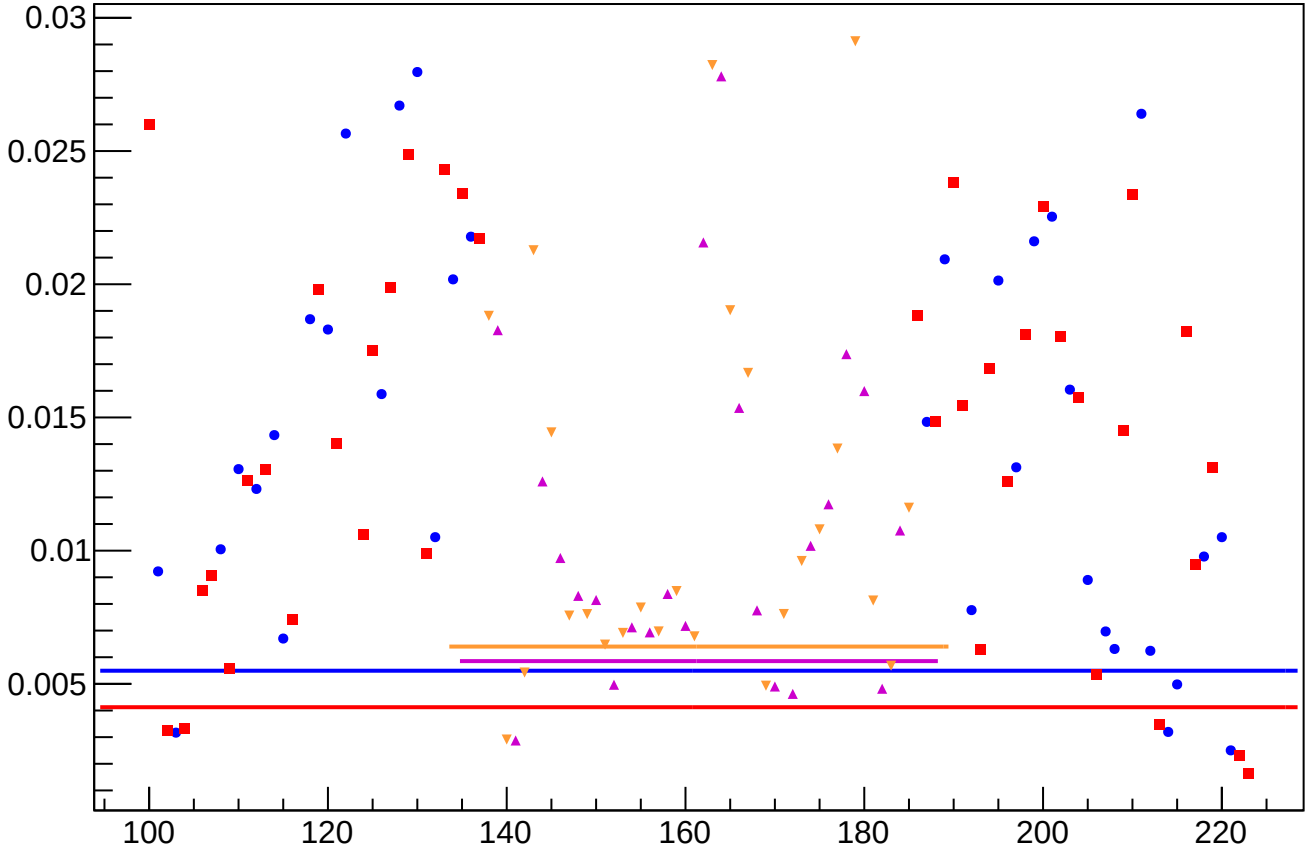
Right: 0.000+/-0.000 χ^2/NDF: 125.9/72

In: -0.000+/-0.000 χ^2/NDF:78.2/56

Out: 0.000+/-0.000 χ^2/NDF:122.1/63

All: -0.000+/-0.000 χ^2/NDF: 206.7/120

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

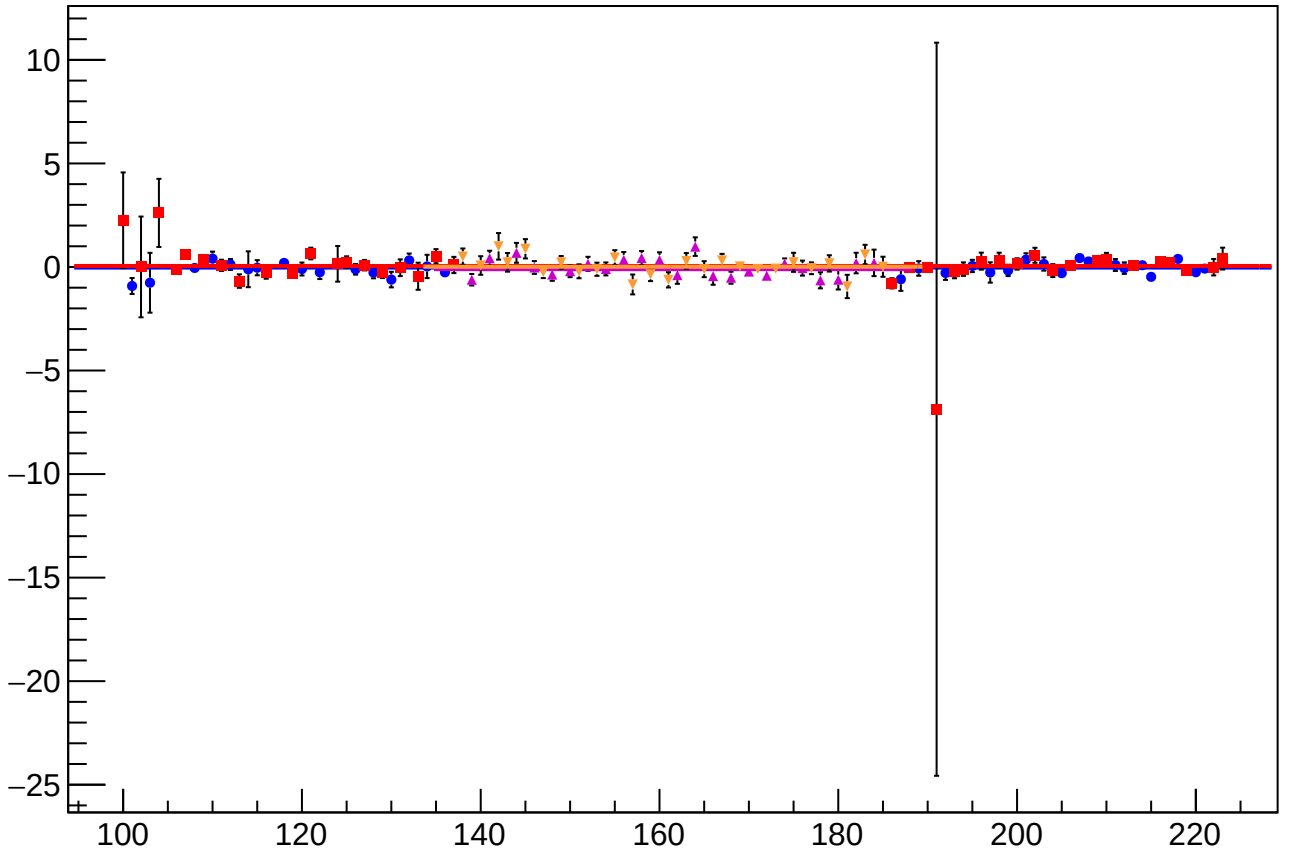
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.005+/-0.000 χ^2/NDF: 38582696.5/72

In: 0.006+/-0.000 χ^2/NDF:23947180.1/56

Out: 0.005+/-0.000 χ^2/NDF:33163293.7/63

All: 0.005+/-0.000 χ^2/NDF: 57618022.2/120



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

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

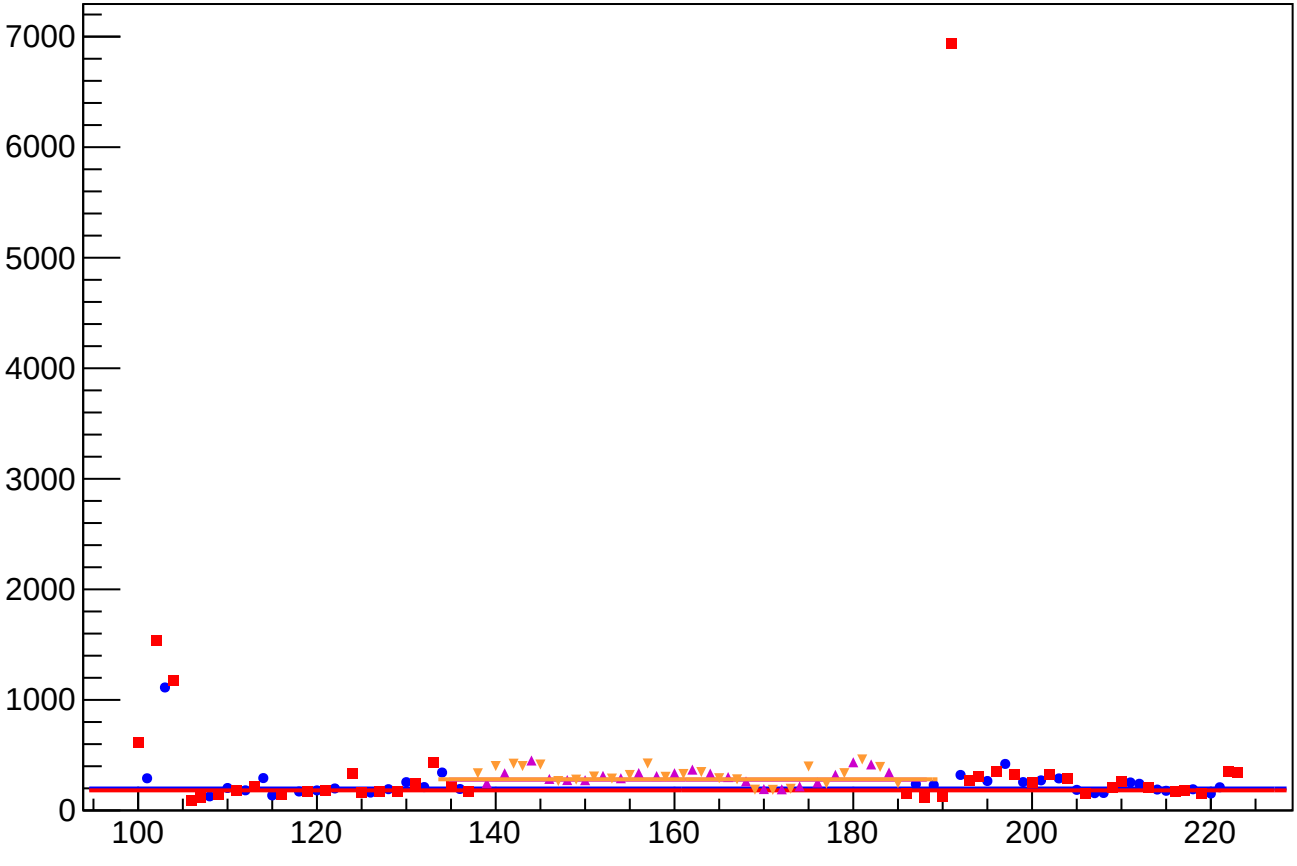
Right: 0.013+/-0.031 χ^2/NDF: 95.6/72

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.038+/-0.036 χ^2/NDF:77.6/63

All: -0.005+/-0.026 χ^2/NDF: 154.7/120

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

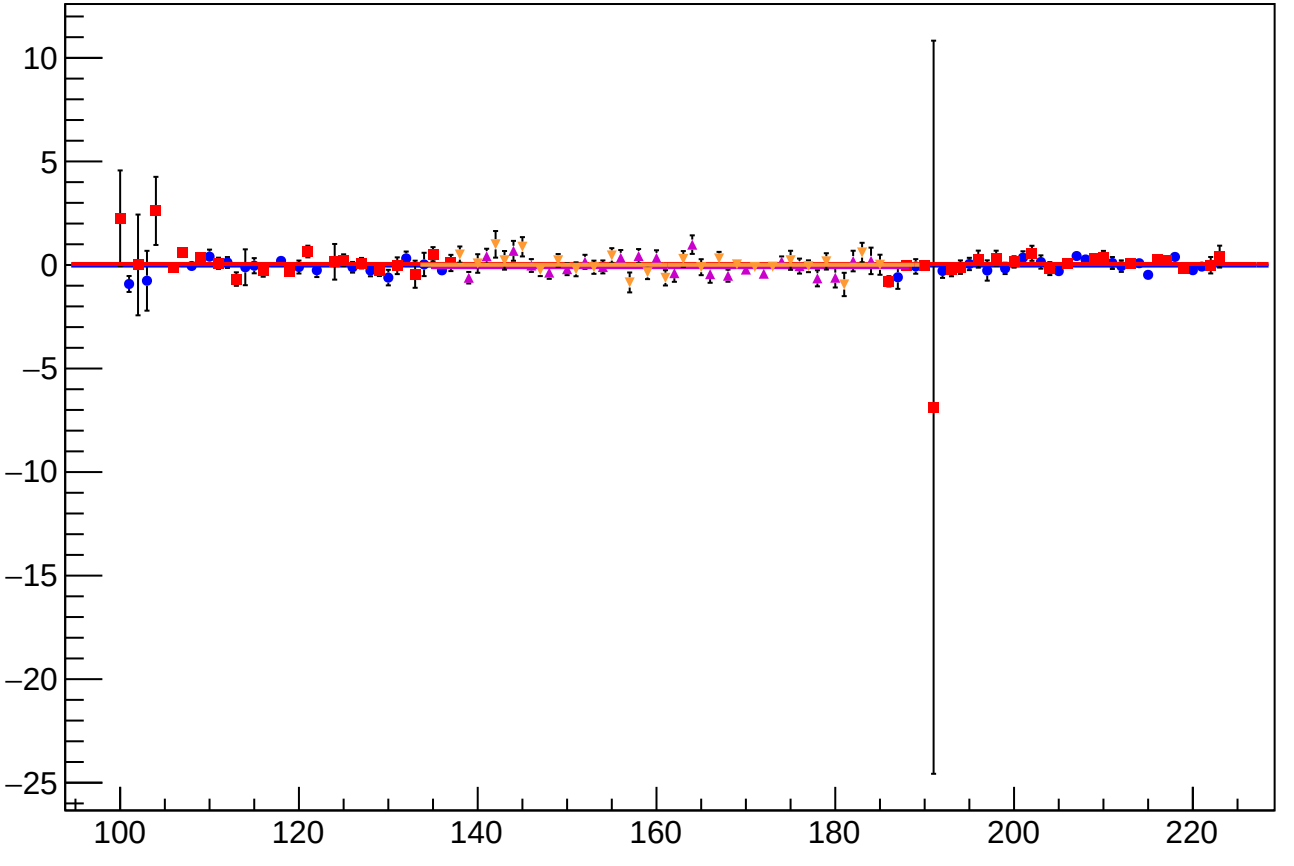
Right: 189.612+/-0.022 χ^2/NDF: 9606953.8/72

In: 223.055+/-0.027 χ^2/NDF:6876454.3/56

Out: 210.311+/-0.026 χ^2/NDF:11880695.4/63

All: 216.387+/-0.019 χ^2/NDF: 18874525.4/12

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

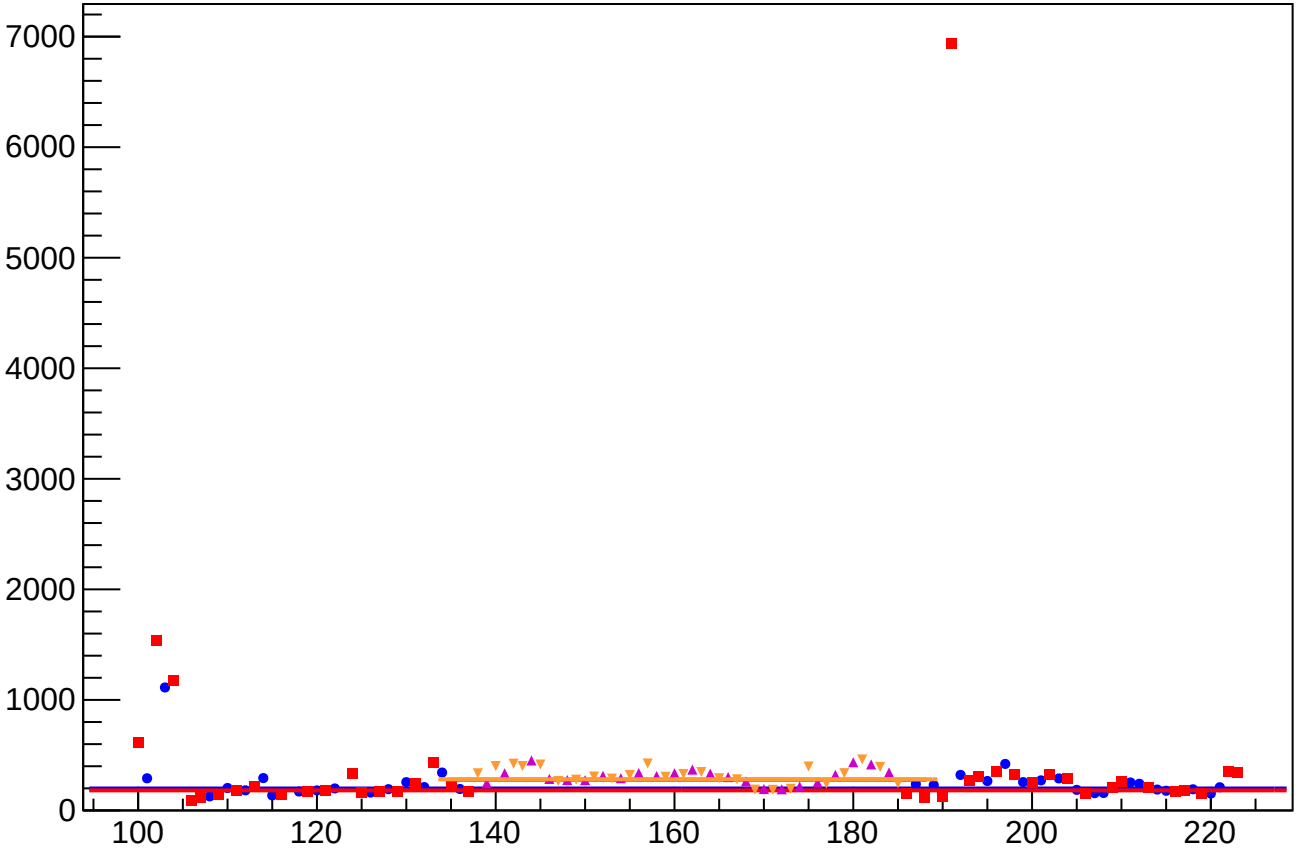
Right: 0.013+/-0.031 χ^2/NDF: 95.6/72

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.038+/-0.036 χ^2/NDF:77.6/63

All: -0.005+/-0.026 χ^2/NDF: 154.7/120

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

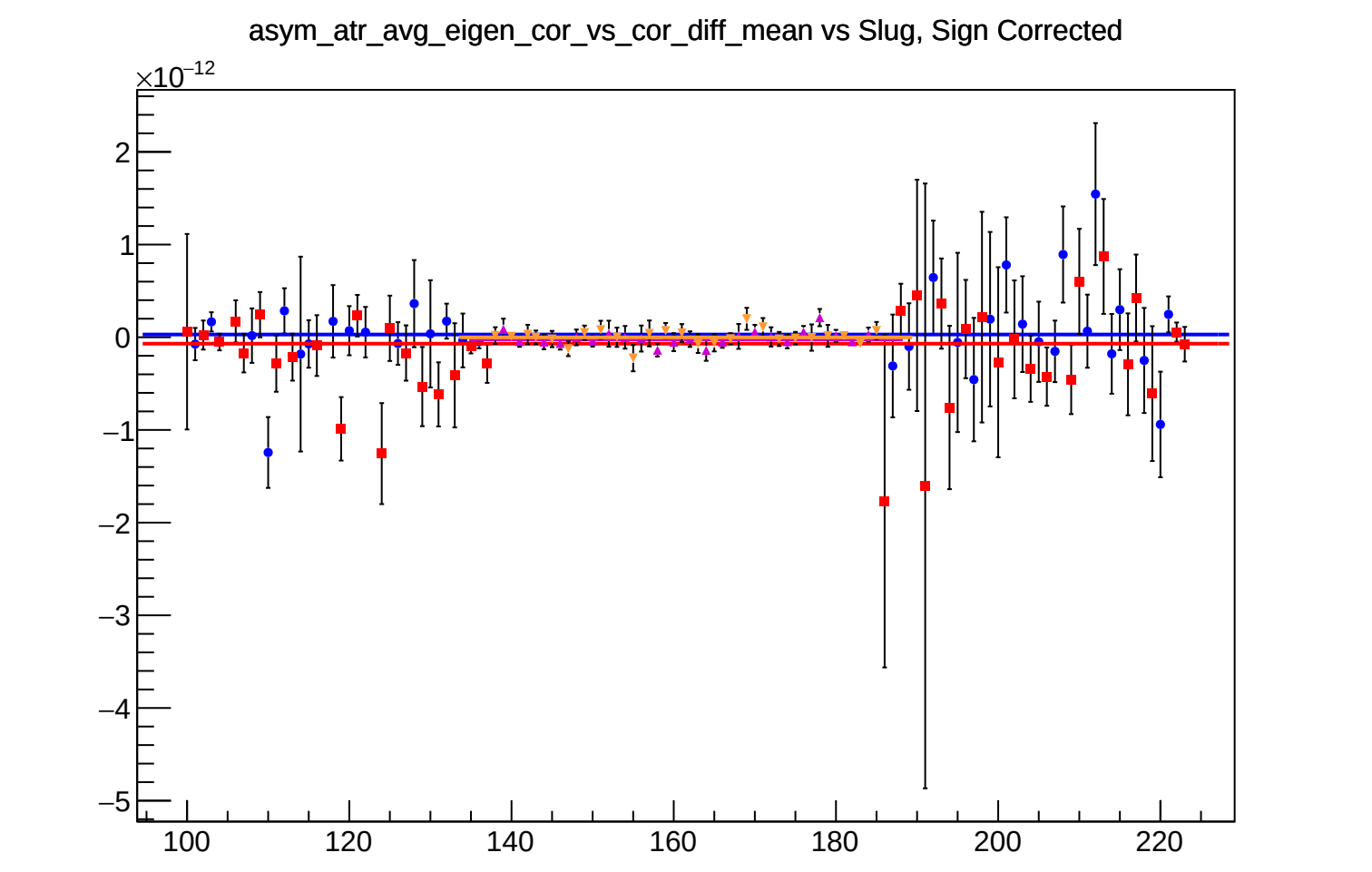
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 189.612+/-0.022 χ^2/NDF: 9606953.8/72

In: 223.055+/-0.027 χ^2/NDF:6876454.3/56

Out: 210.311+/-0.026 χ^2/NDF:11880695.4/63

All: 216.387+/-0.019 χ^2/NDF: 18874525.4/12



Right In: 0.000+/-0.000 χ^2/NDF: 33.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/38

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

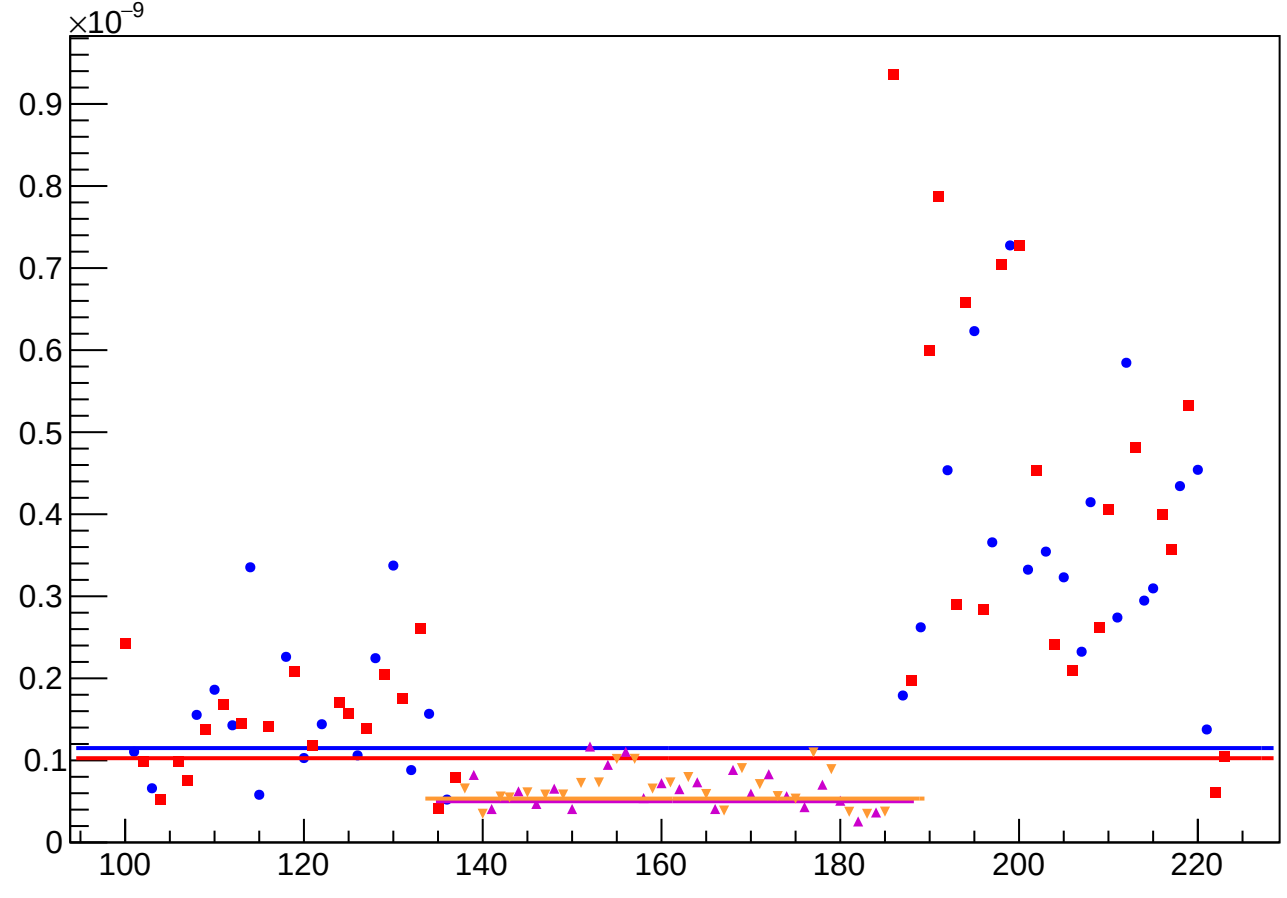
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 74.3/72

In: -0.000+/-0.000 χ^2/NDF:51.6/56

Out: -0.000+/-0.000 χ^2/NDF:55.9/63

All: -0.000+/-0.000 χ^2/NDF: 107.6/120



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

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

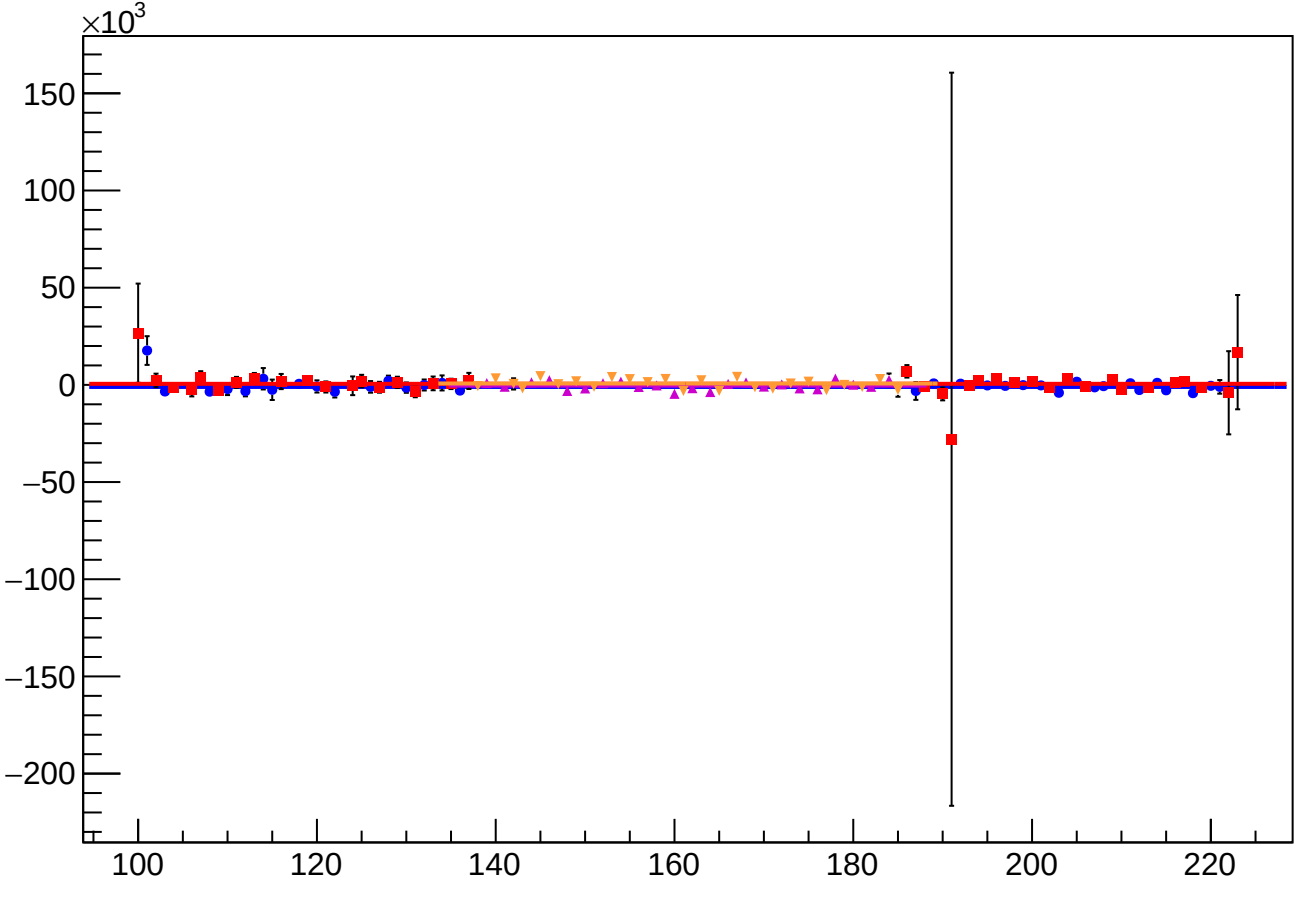
Right: 0.000+/-0.000 χ^2/NDF: 22406566.6/72

In: 0.000+/-0.000 χ^2/NDF:18540778.9/56

Out: 0.000+/-0.000 χ^2/NDF:17016109.8/63

All: 0.000+/-0.000 χ^2/NDF: 35589478.6/120

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

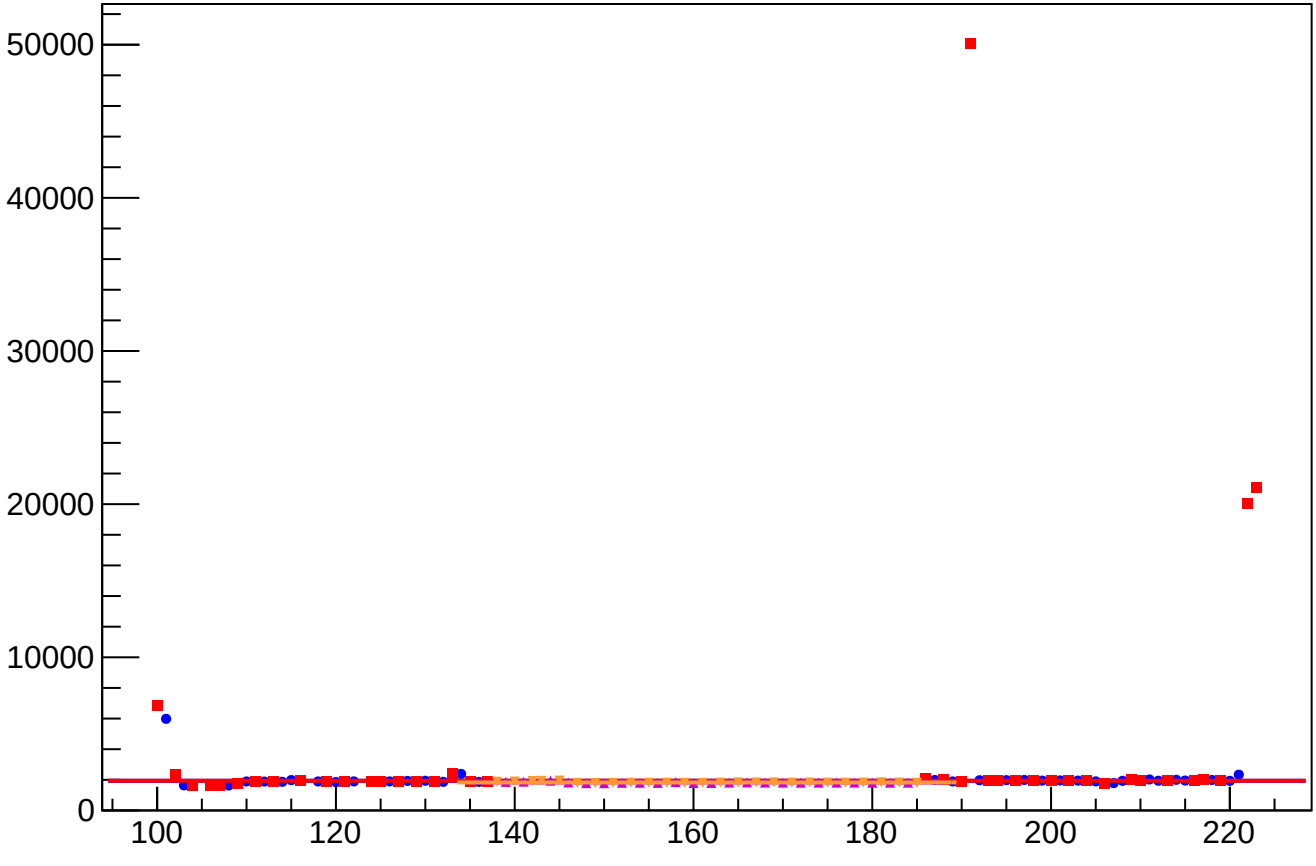
Right: -269.476+/-297.963 χ^2/NDF: 60.2/72

In: -740.244+/-299.484 χ^2/NDF:47.0/56

Out: 621.057+/-295.986 χ^2/NDF:60.0/63

All: -51.598+/-210.519 χ^2/NDF: 117.4/120

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

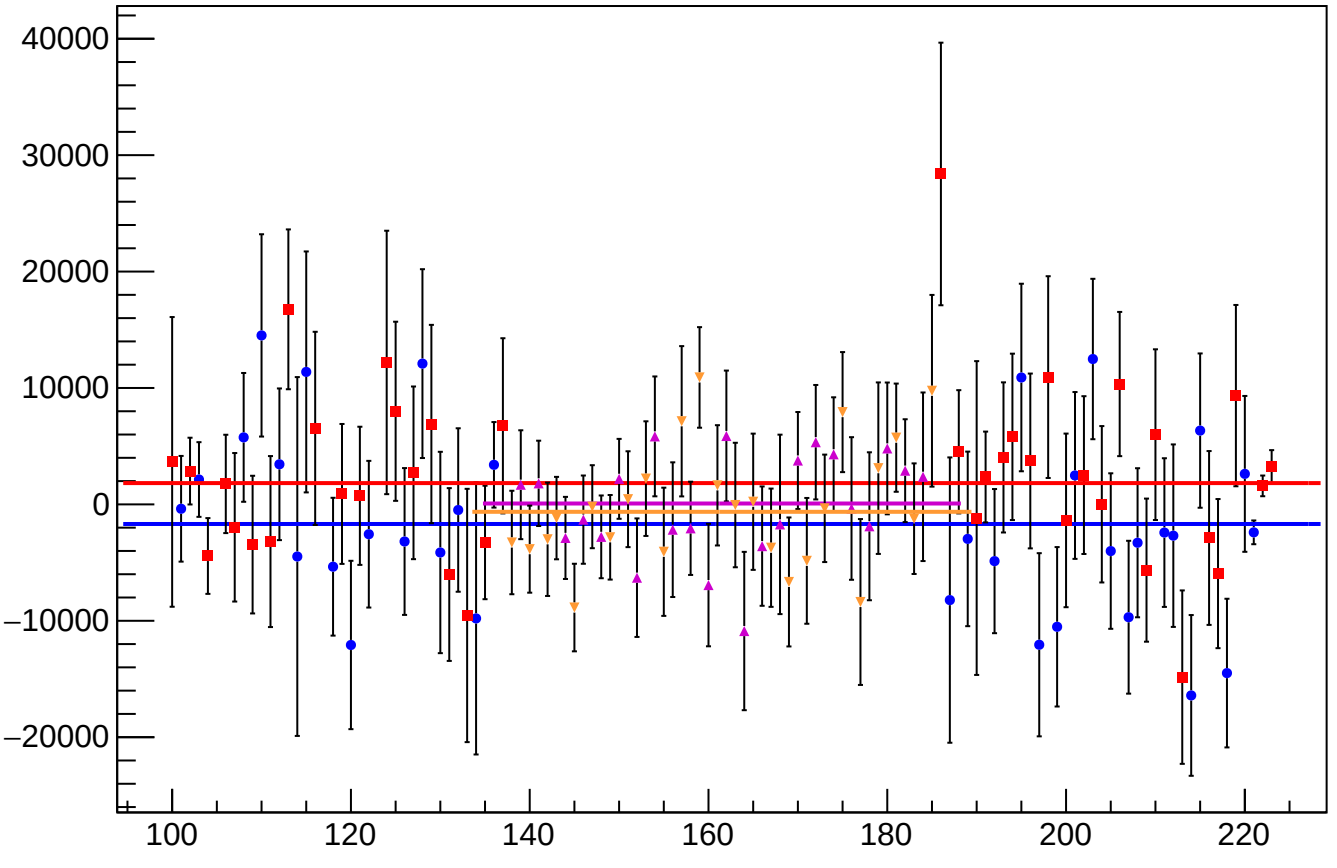
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1937.464+/-0.211 χ^2/NDF: 3421818.6/72

In: 1880.895+/-0.212 χ^2/NDF:833225.0/56

Out: 1883.171+/-0.209 χ^2/NDF:2759669.8/63

All: 1882.047+/-0.149 χ^2/NDF: 3592953.4/12



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

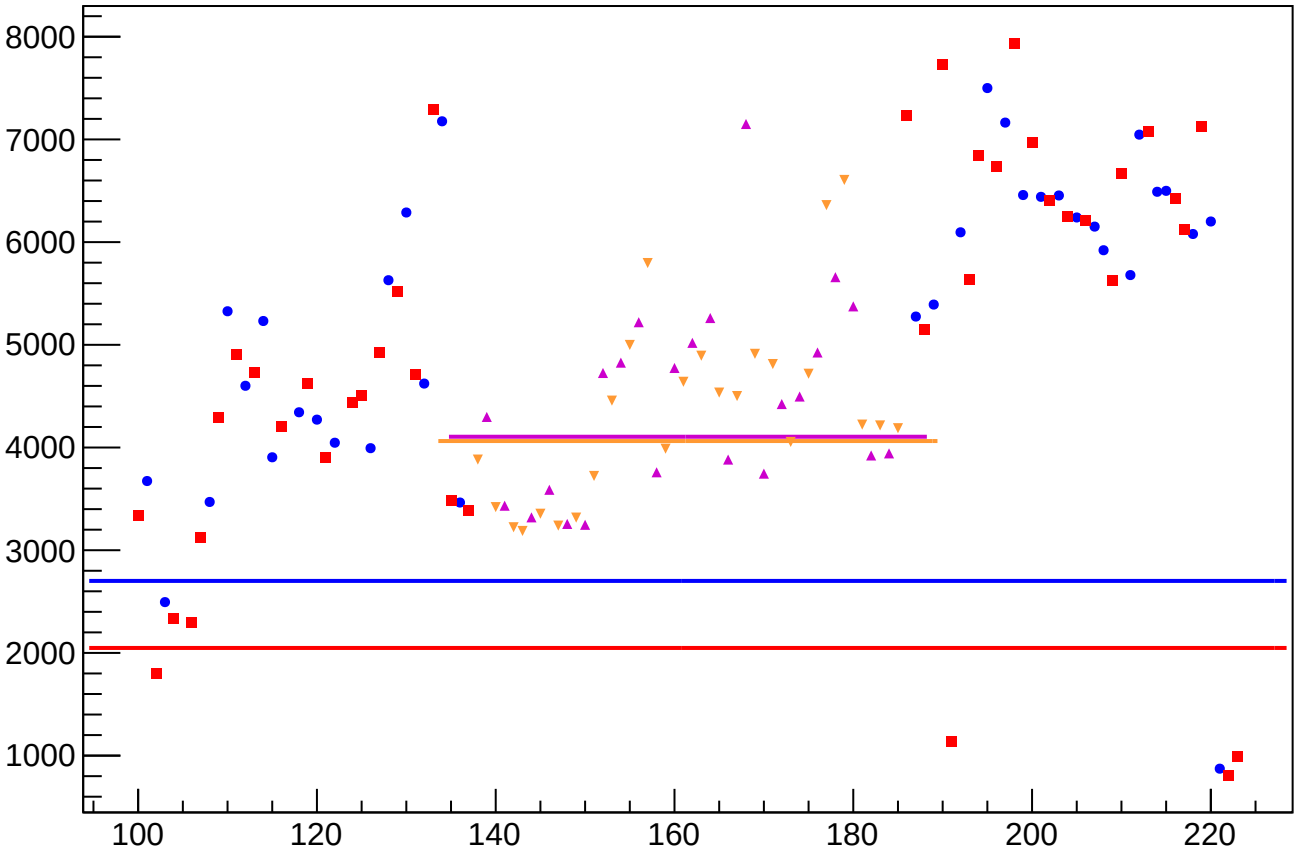
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 454.220+/-471.051 χ^2/NDF: 90.3/72

In: -1031.025+/-597.123 χ^2/NDF:58.1/56

Out: 1116.115+/-509.102 χ^2/NDF:67.2/63

All: 212.315+/-387.409 χ^2/NDF: 132.8/120



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

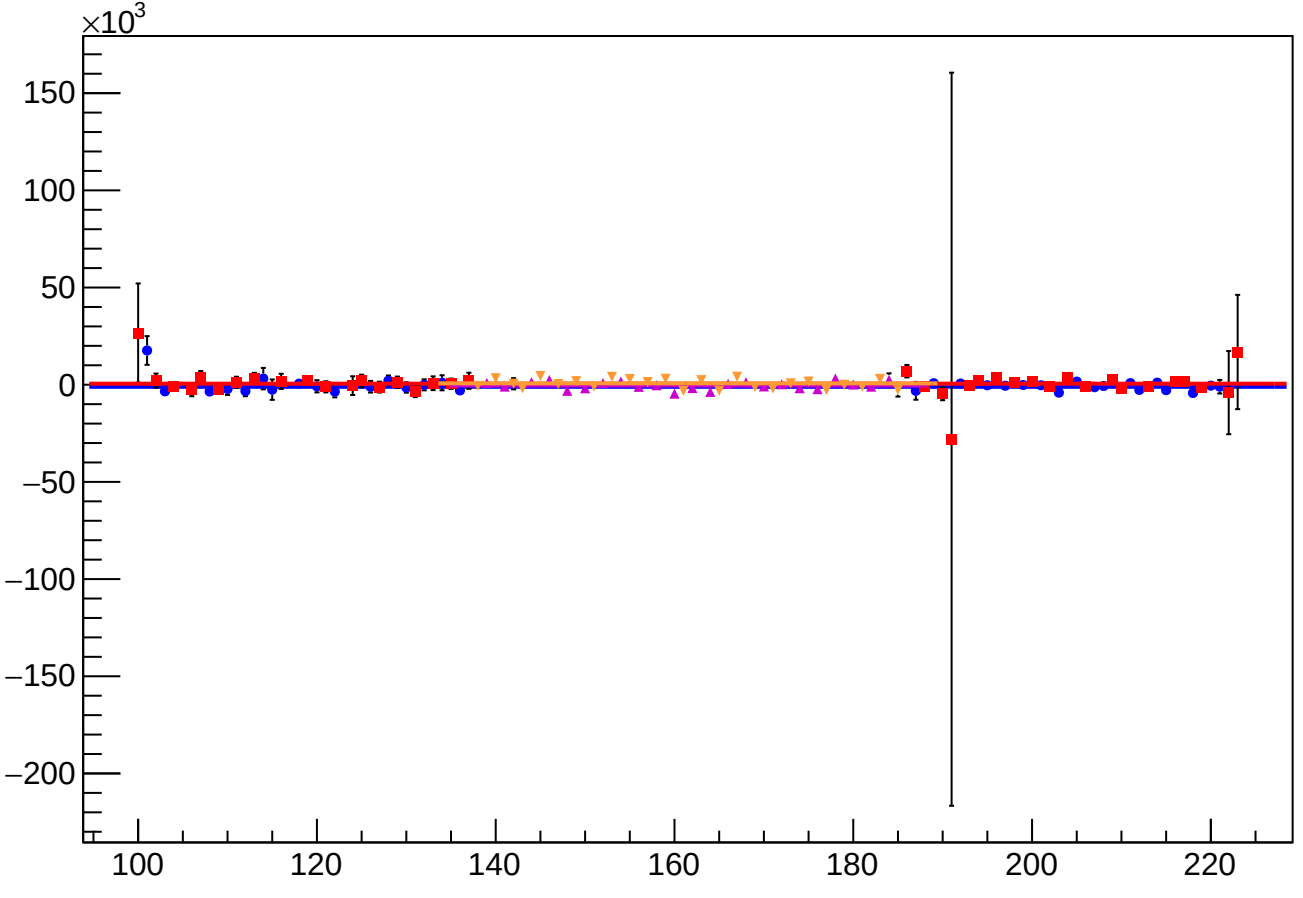
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 2303.858+/-0.333 χ^2/NDF: 40057537.4/72

In: 3222.097+/-0.422 χ^2/NDF:21573316.3/56

Out: 2630.812+/-0.360 χ^2/NDF:29351326.7/63

All: 2879.703+/-0.274 χ^2/NDF: 52060244.7/



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

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

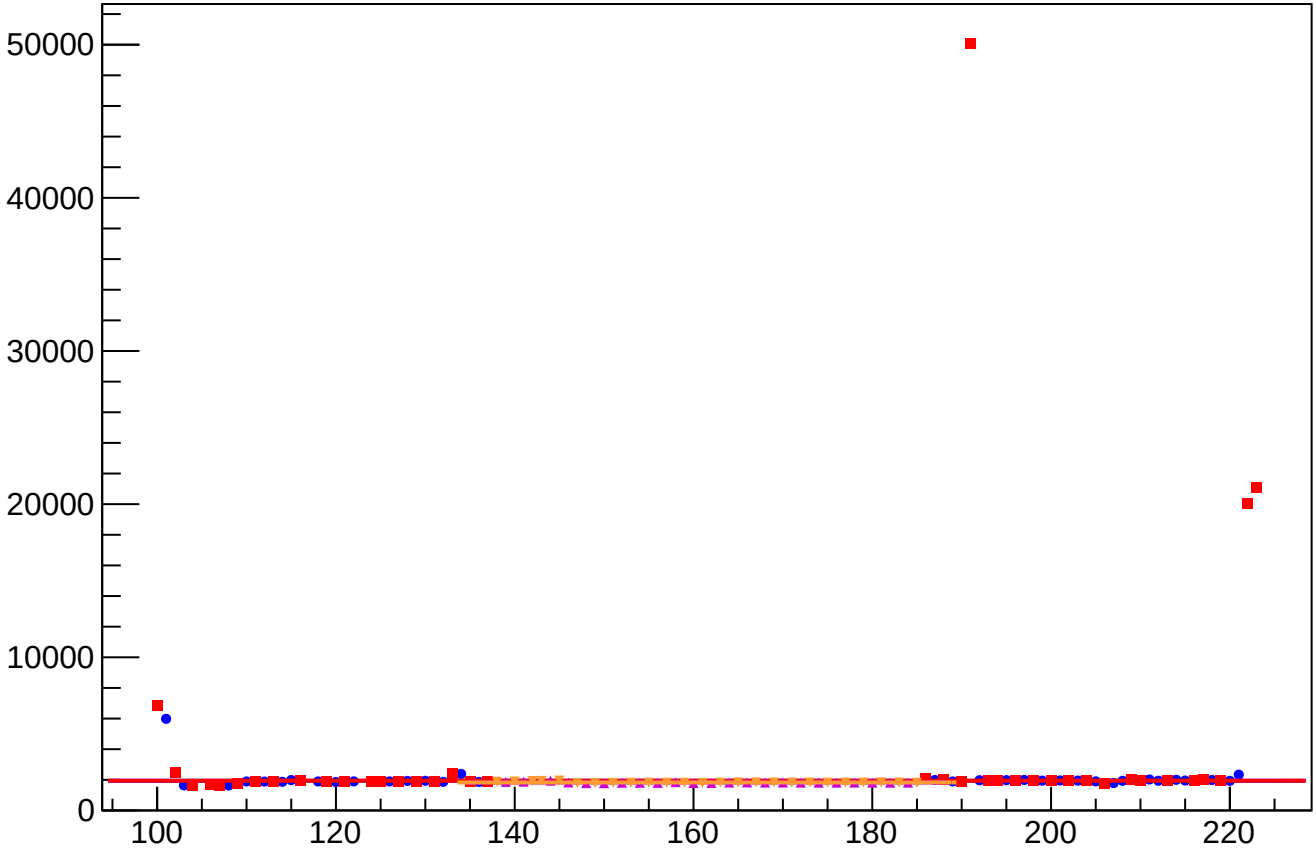
Right: -271.767+/-298.035 χ^2/NDF: 60.1/72

In: -740.267+/-299.484 χ^2/NDF:47.0/56

Out: 619.353+/-296.057 χ^2/NDF:60.0/63

All: -52.634+/-210.545 χ^2/NDF: 117.3/120

cor_asym_atr_dd_rms vs Slug, Sign Corrected



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

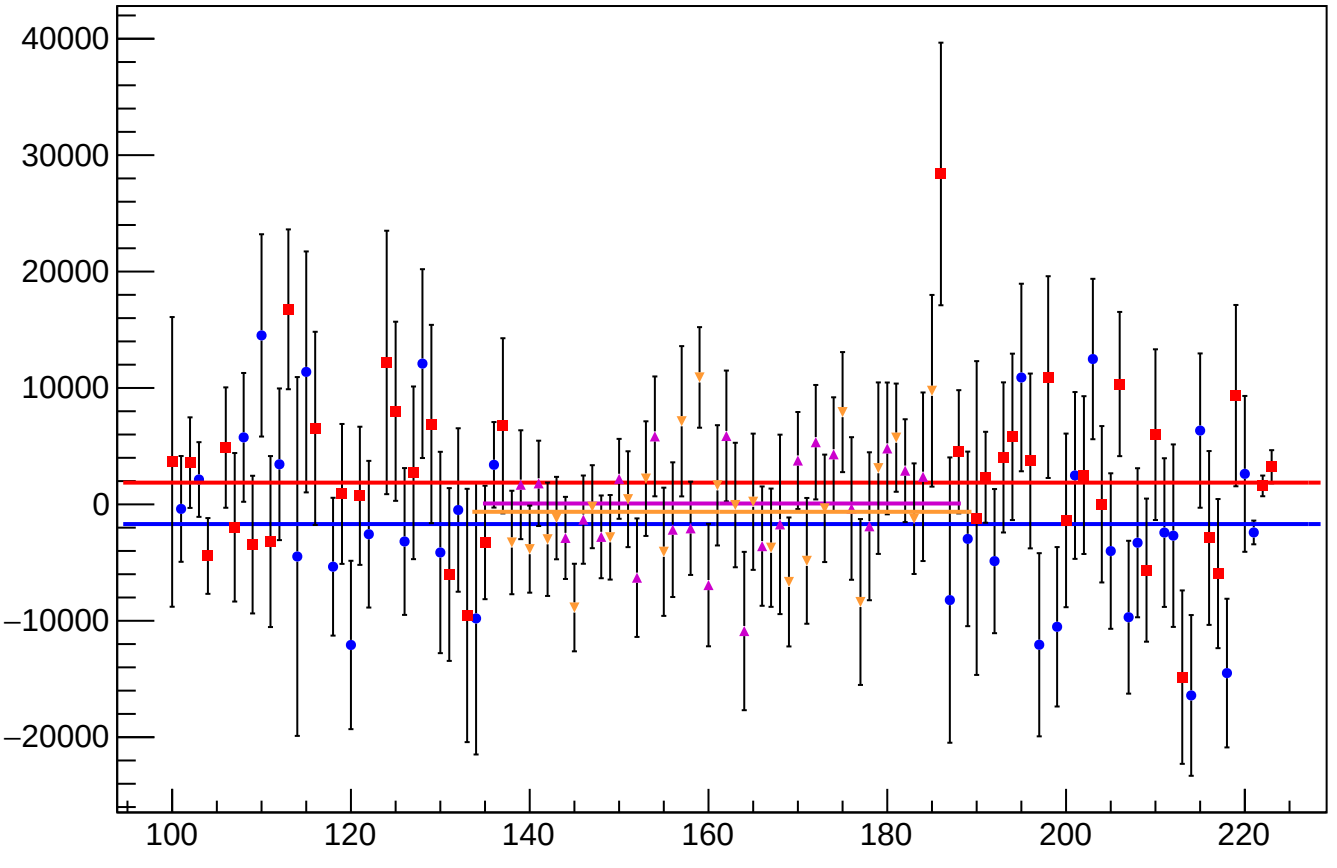
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1938.752+/-0.211 χ^2/NDF: 3427308.2/72

In: 1880.895+/-0.212 χ^2/NDF:833225.2/56

Out: 1884.380+/-0.209 χ^2/NDF:2768237.5/63

All: 1882.658+/-0.149 χ^2/NDF: 3601599.8/12



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

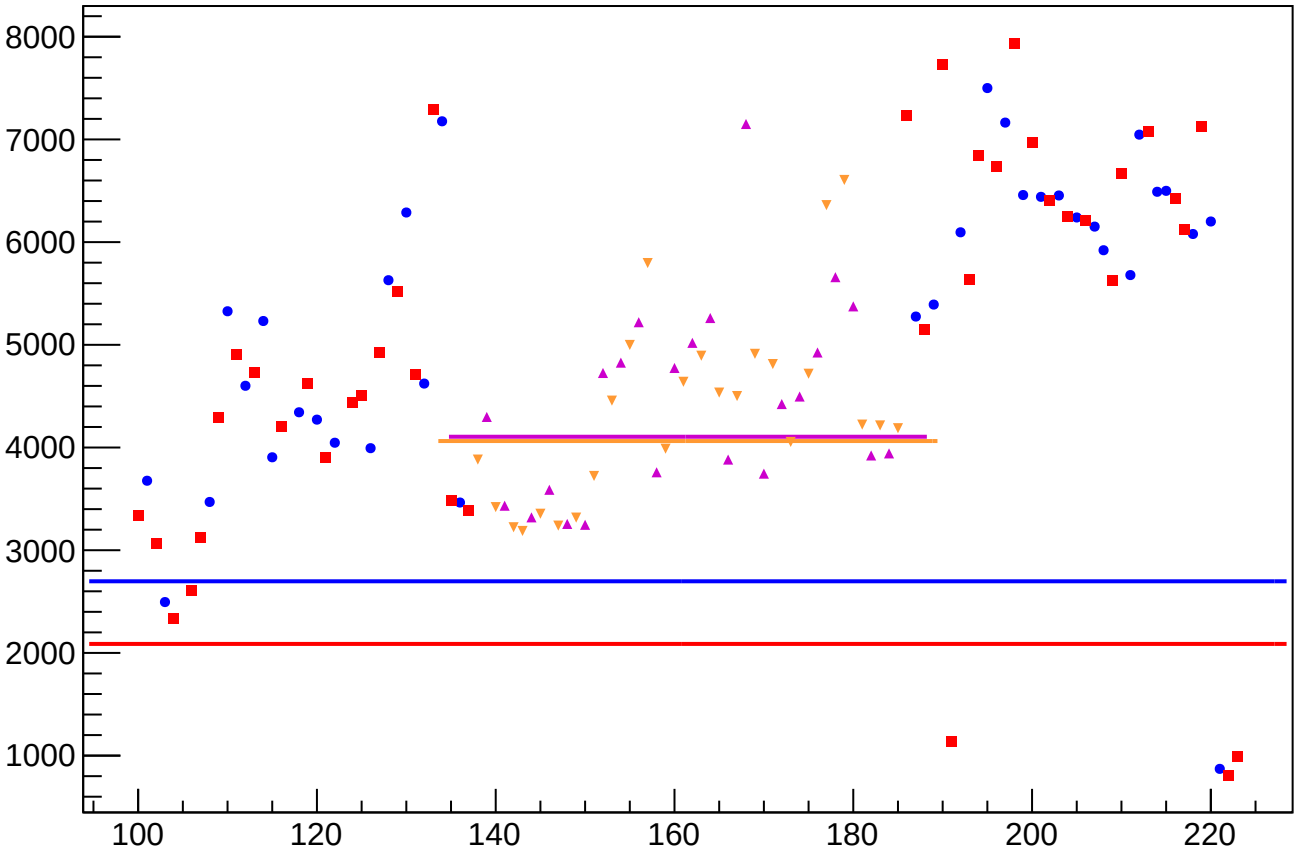
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 450.829+/-474.844 χ^2/NDF: 90.9/72

In: -1035.816+/-596.853 χ^2/NDF:58.1/56

Out: 1129.682+/-514.073 χ^2/NDF:67.8/63

All: 207.402+/-389.511 χ^2/NDF: 133.4/120



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

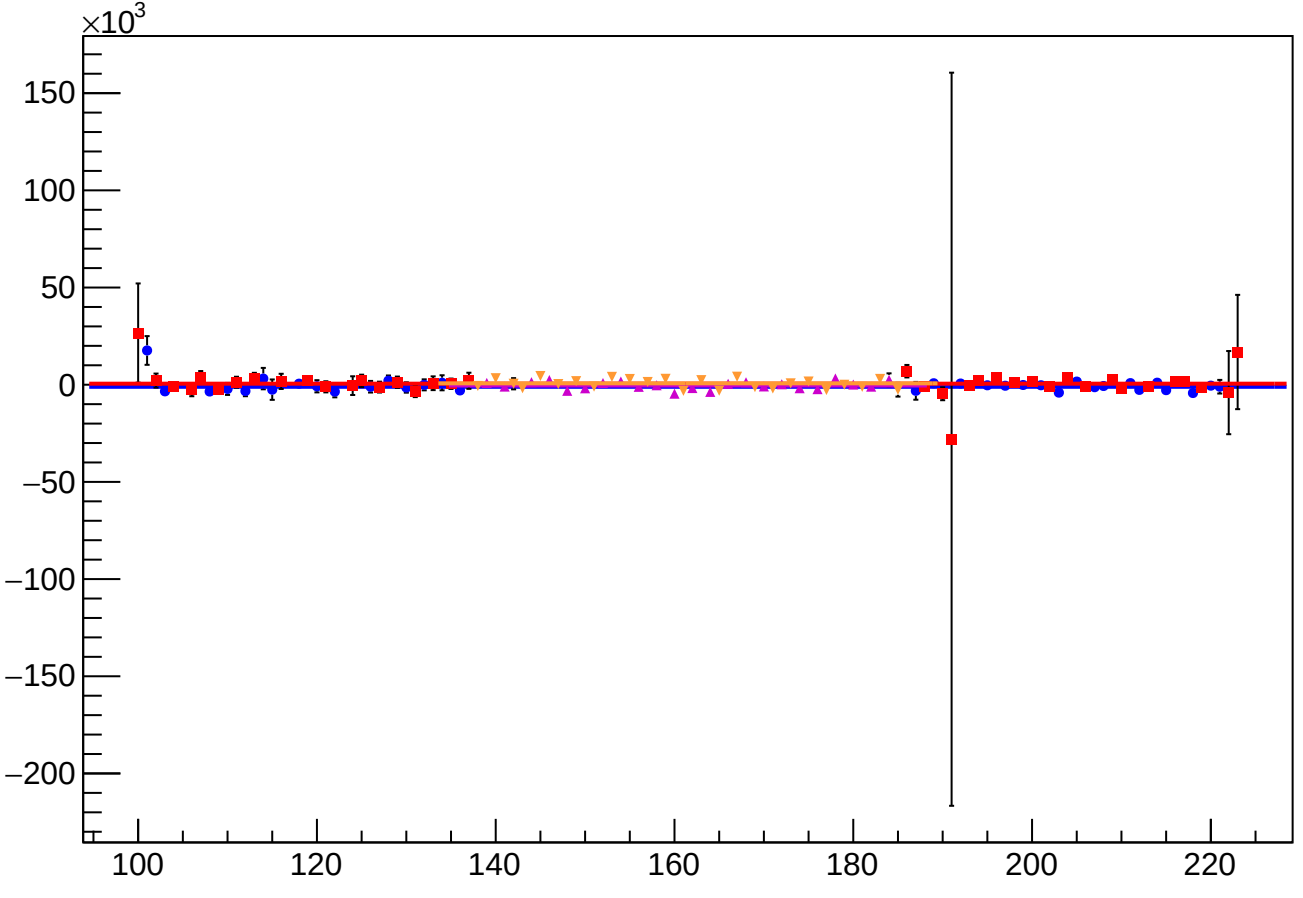
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 2330.530+/-0.336 χ^2/NDF: 40093684.6/72

In: 3219.325+/-0.422 χ^2/NDF:21618882.2/56

Out: 2669.929+/-0.364 χ^2/NDF:29183154.7/63

All: 2903.915+/-0.275 χ^2/NDF: 51774907.8/



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

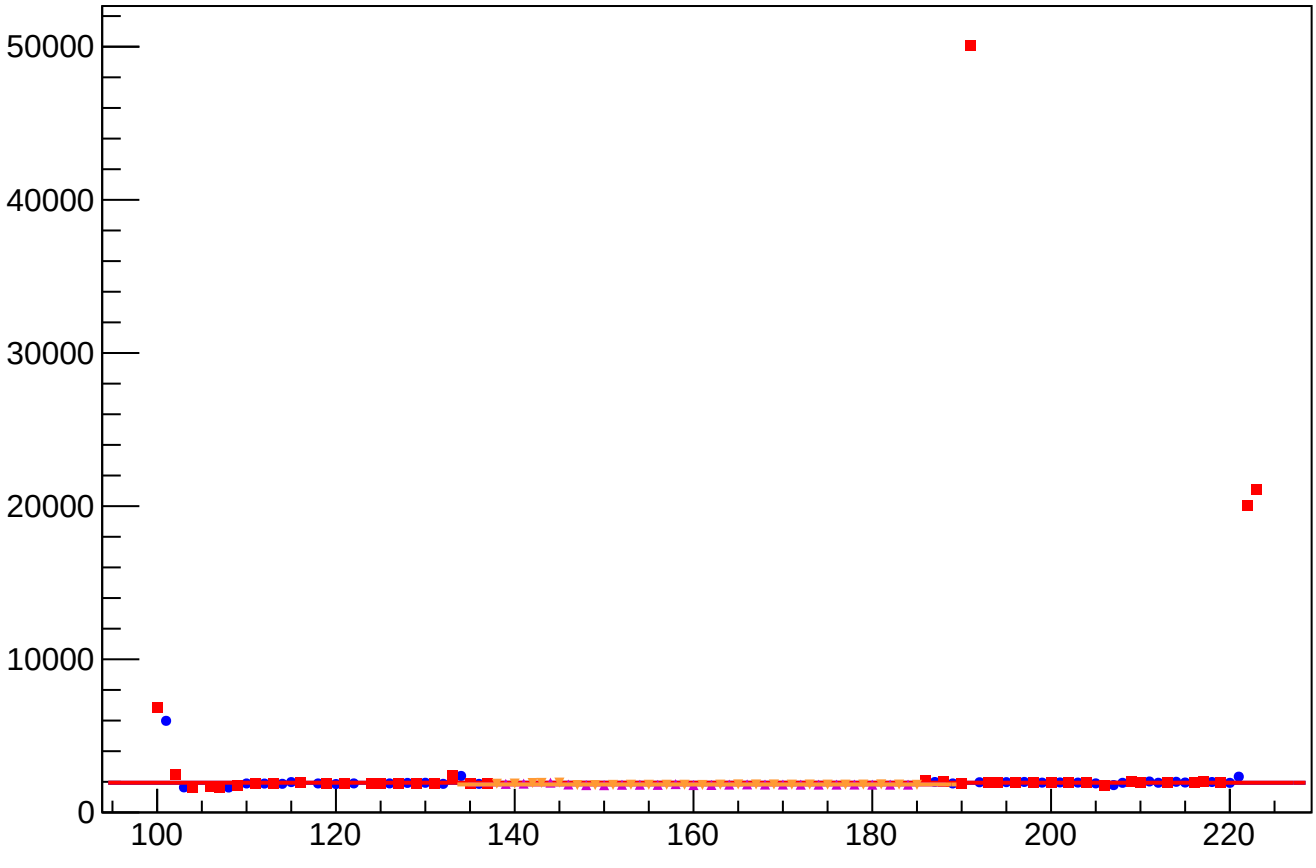
Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

Right: -271.767+/-298.035 χ^2/NDF: 60.1/72

In: -740.267+/-299.484 χ^2/NDF:47.0/56

Out: 619.353+/-296.057 χ^2/NDF:60.0/63

All: -52.634+/-210.545 χ^2/NDF: 117.3/120



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

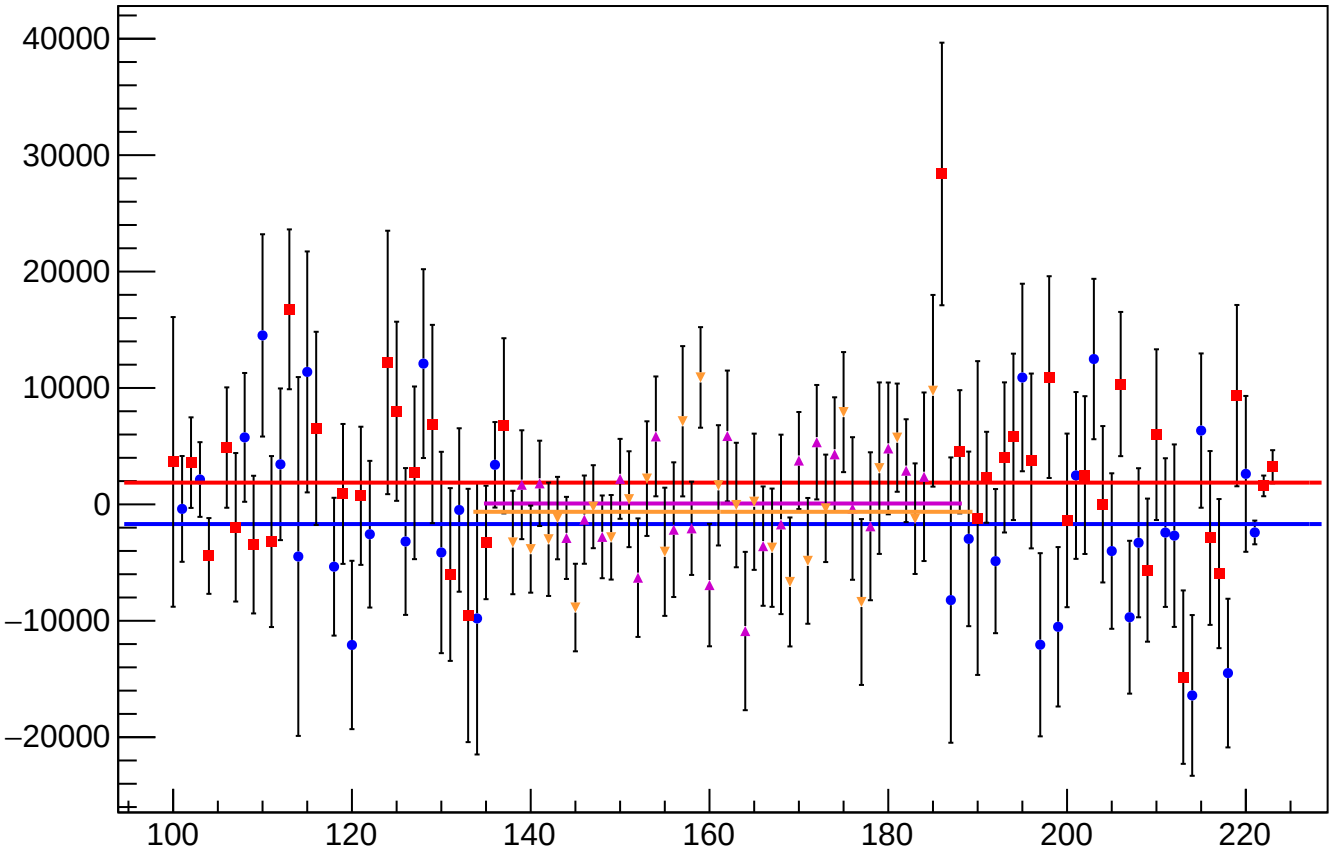
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1938.752+/-0.211 χ^2/NDF: 3427308.2/72

In: 1880.895+/-0.212 χ^2/NDF:833225.2/56

Out: 1884.380+/-0.209 χ^2/NDF:2768237.5/63

All: 1882.658+/-0.149 χ^2/NDF: 3601599.8/12



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

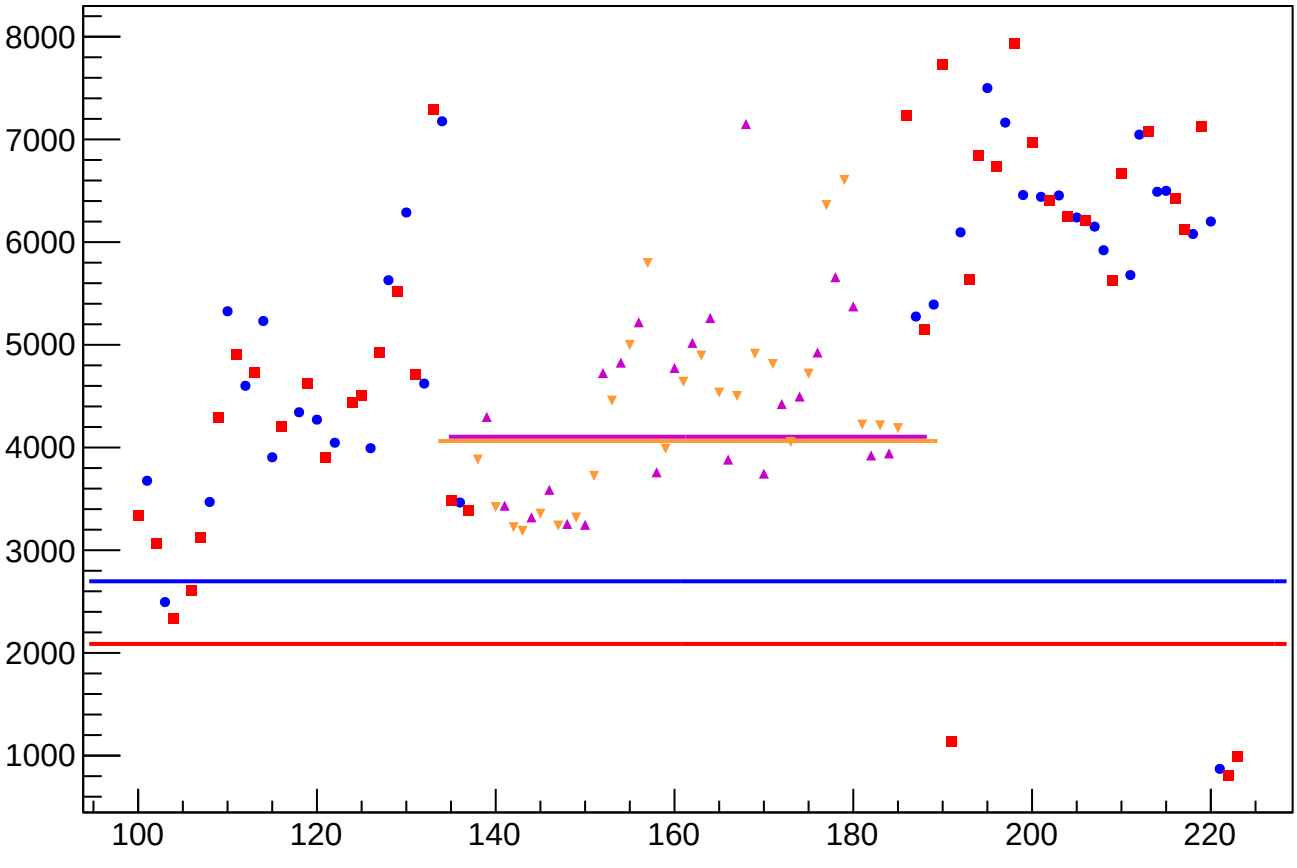
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 450.829+/-474.844 χ^2/NDF: 90.9/72

In: -1035.816+/-596.853 χ^2/NDF:58.1/56

Out: 1129.682+/-514.073 χ^2/NDF:67.8/63

All: 207.402+/-389.511 χ^2/NDF: 133.4/120



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

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

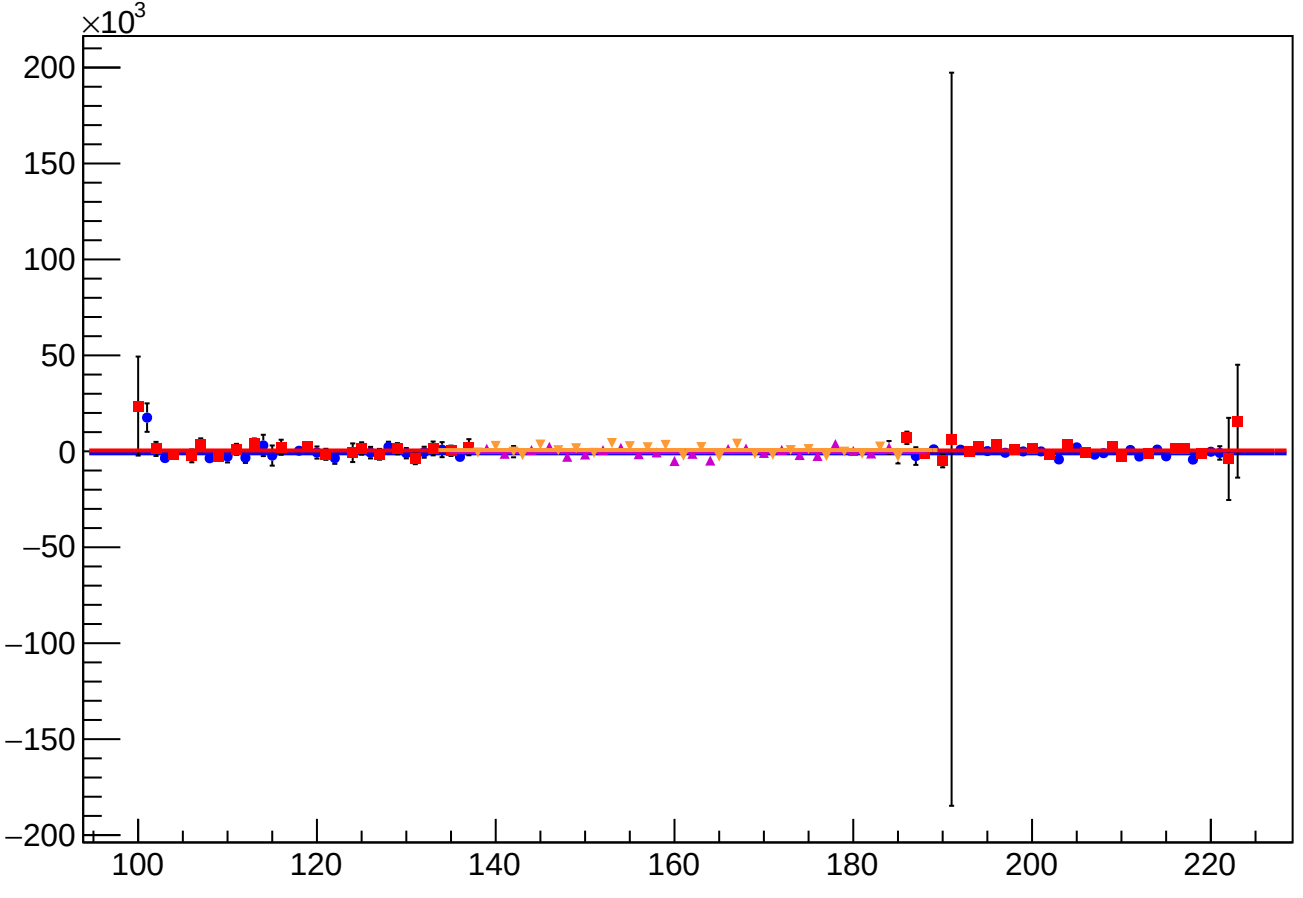
Right: 2330.530+/-0.336 χ^2/NDF: 40093684.6/72

In: 3219.325+/-0.422 χ^2/NDF:21618882.2/56

Out: 2669.929+/-0.364 χ^2/NDF:29183154.7/63

All: 2903.915+/-0.275 χ^2/NDF: 51774907.8/

dit_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

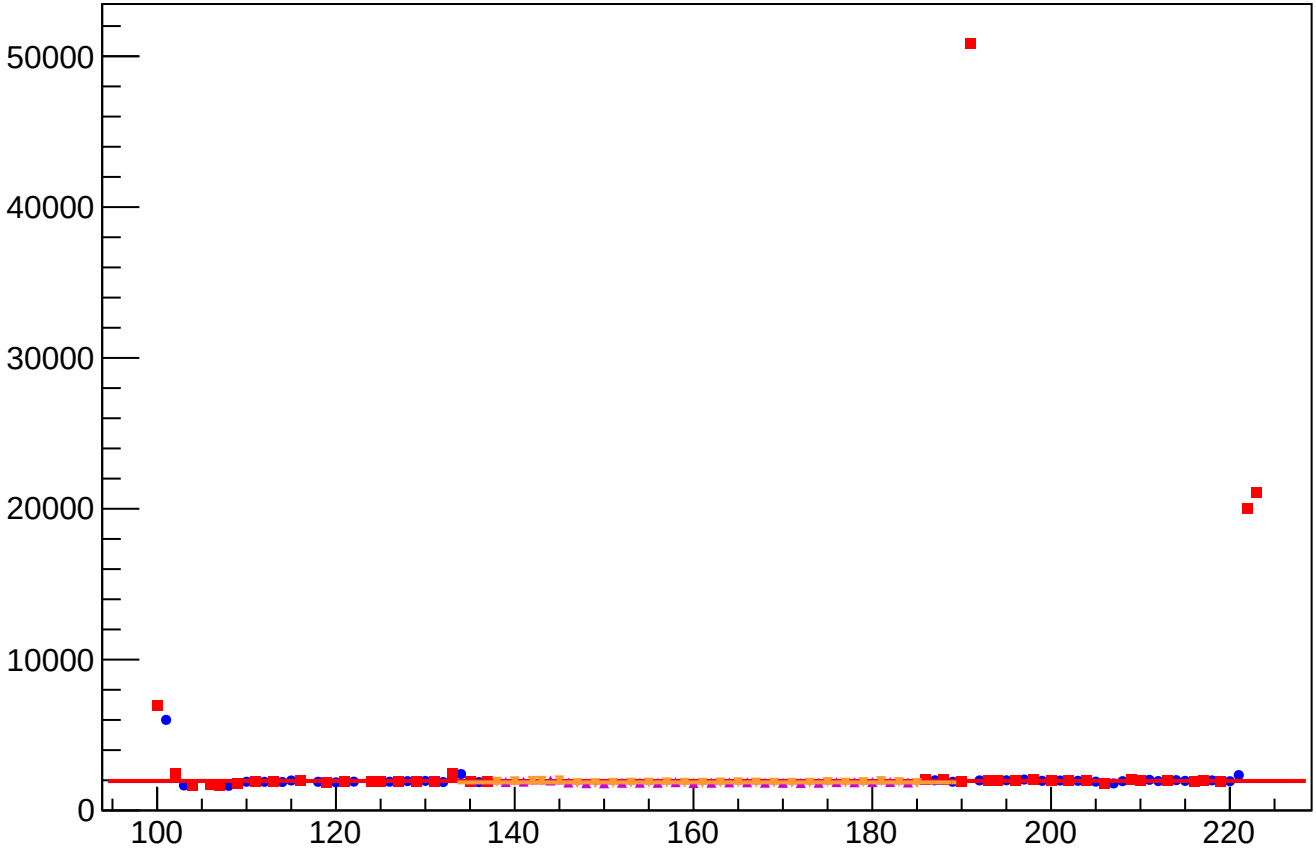
Right: -304.551+/-300.328 χ^2/NDF: 62.5/72

In: -736.583+/-303.208 χ^2/NDF:51.0/56

Out: 551.507+/-300.024 χ^2/NDF:57.3/63

All: -85.739+/-213.265 χ^2/NDF: 117.4/120

dit_asym_atr_dd_rms vs Slug, Sign Corrected



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

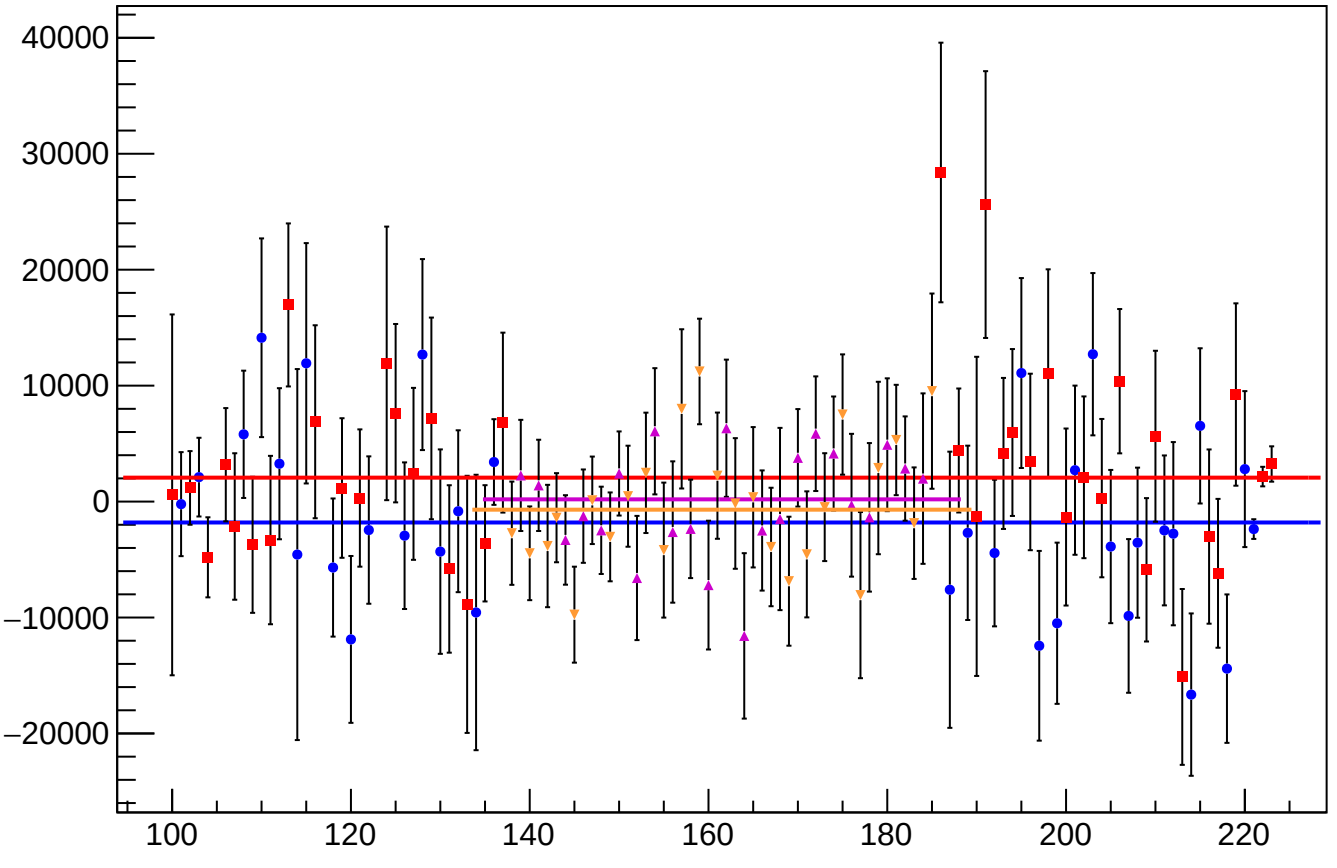
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1953.463+/-0.212 χ^2/NDF: 3432375.2/72

In: 1904.409+/-0.214 χ^2/NDF:815010.5/56

Out: 1909.561+/-0.212 χ^2/NDF:2756121.3/63

All: 1907.013+/-0.151 χ^2/NDF: 3571423.7/12



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

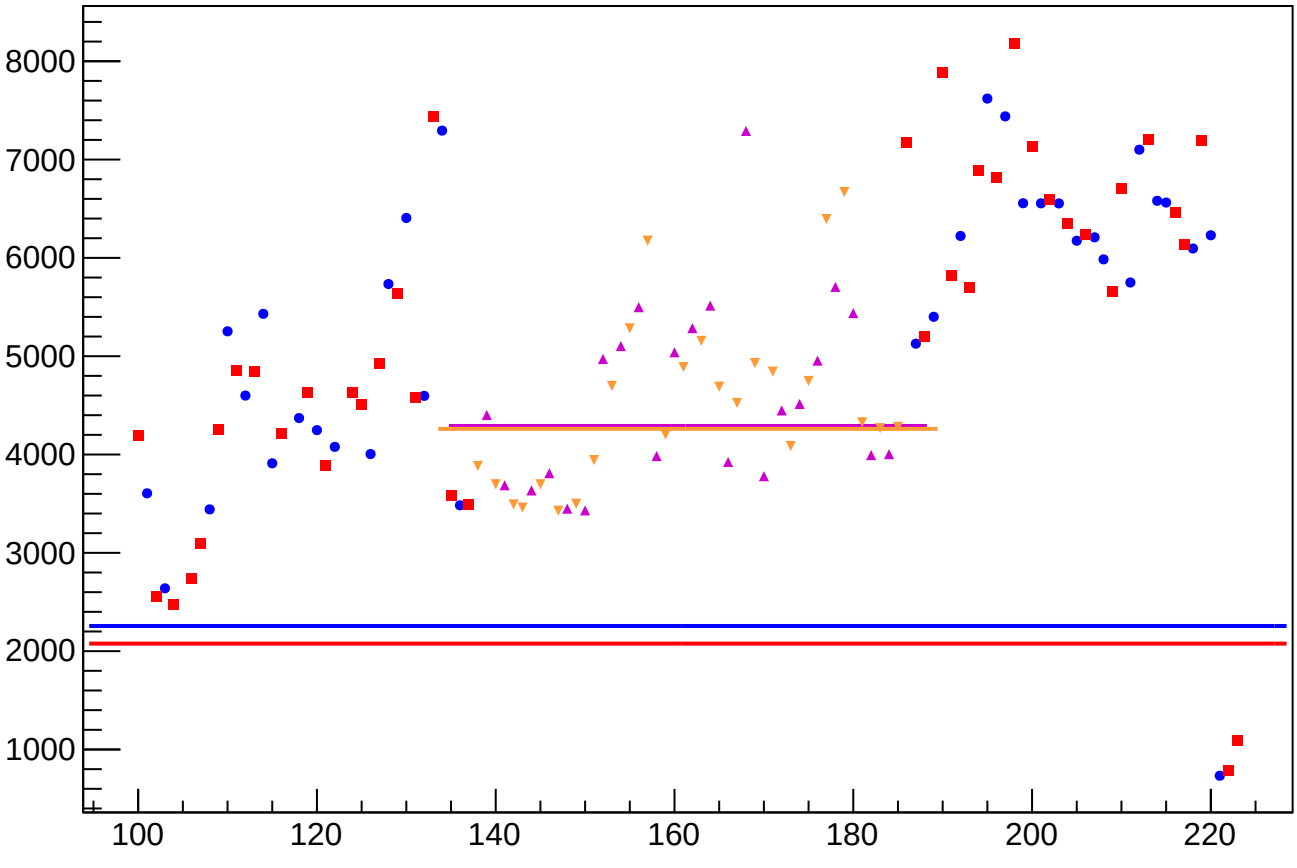
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 342.363+/-452.771 χ^2/NDF: 99.0/72

In: -1192.976+/-565.345 χ^2/NDF:58.4/56

Out: 1308.177+/-518.057 χ^2/NDF:71.4/63

All: 166.563+/-381.947 χ^2/NDF: 140.5/120



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

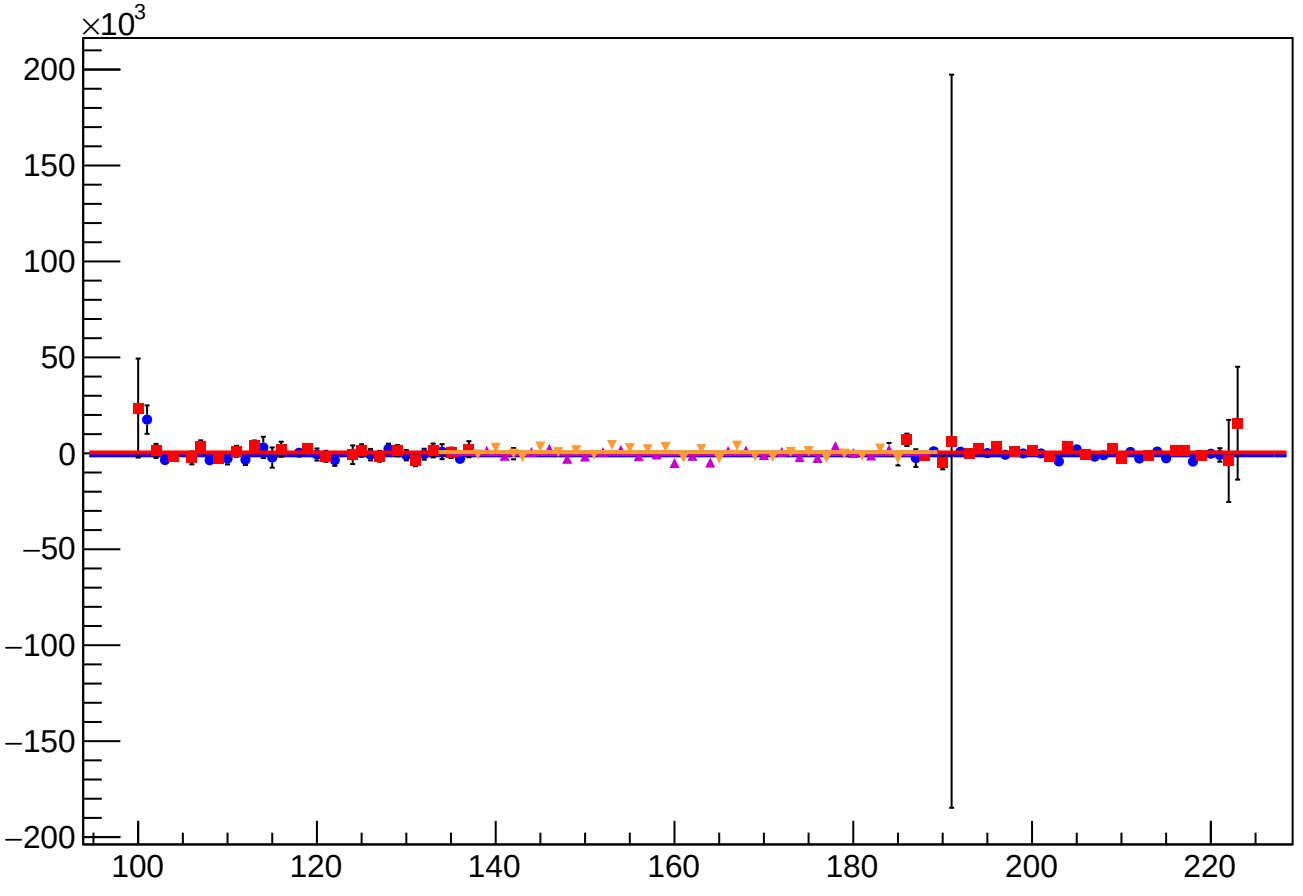
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 2156.729+/-0.320 χ^2/NDF: 43505616.1/72

In: 2878.010+/-0.400 χ^2/NDF:27962562.3/56

Out: 2675.025+/-0.366 χ^2/NDF:30435740.8/63

All: 2767.674+/-0.270 χ^2/NDF: 58538449.6/



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

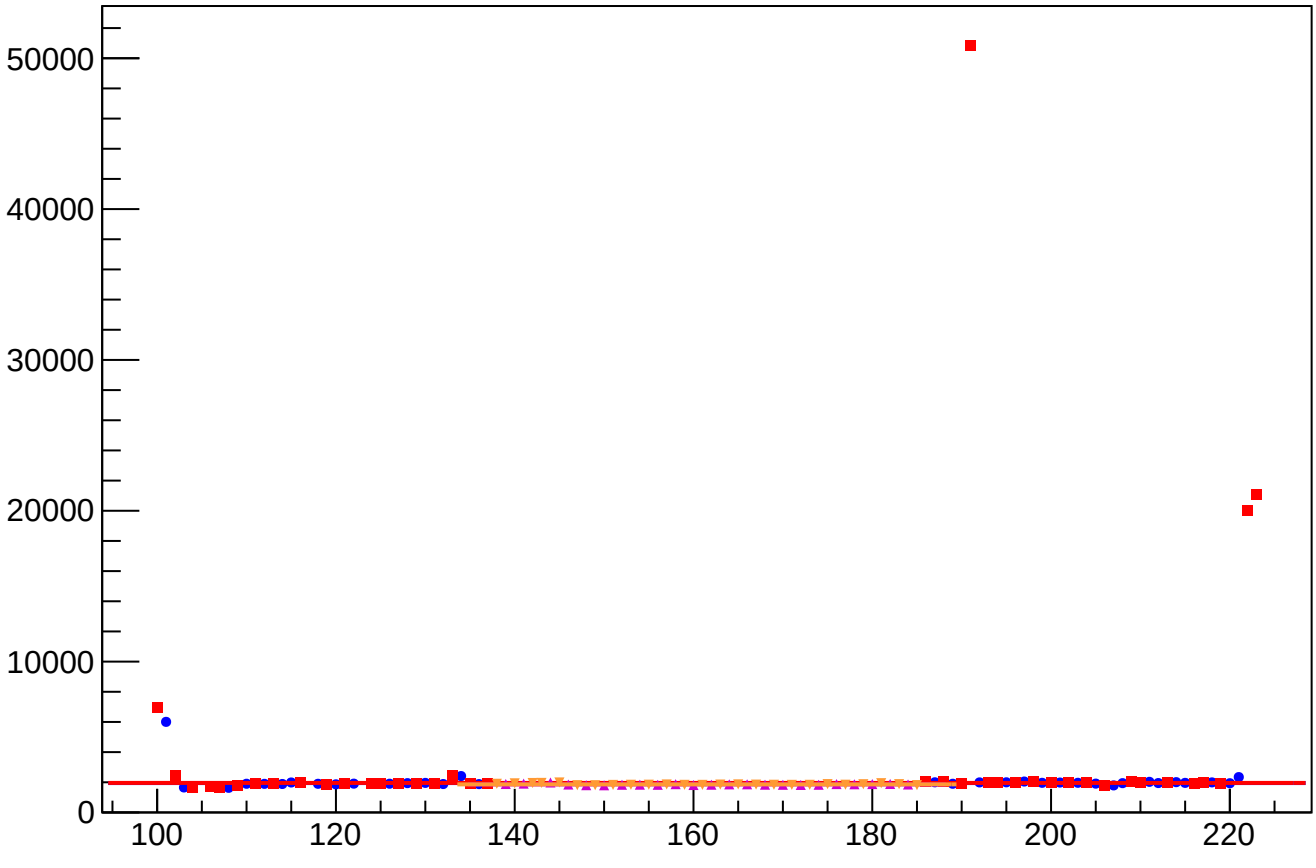
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -304.549+/-300.328 χ^2/NDF: 62.5/72

In: -736.580+/-303.208 χ^2/NDF:51.0/56

Out: 551.508+/-300.024 χ^2/NDF:57.3/63

All: -85.737+/-213.266 χ^2/NDF: 117.4/120



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

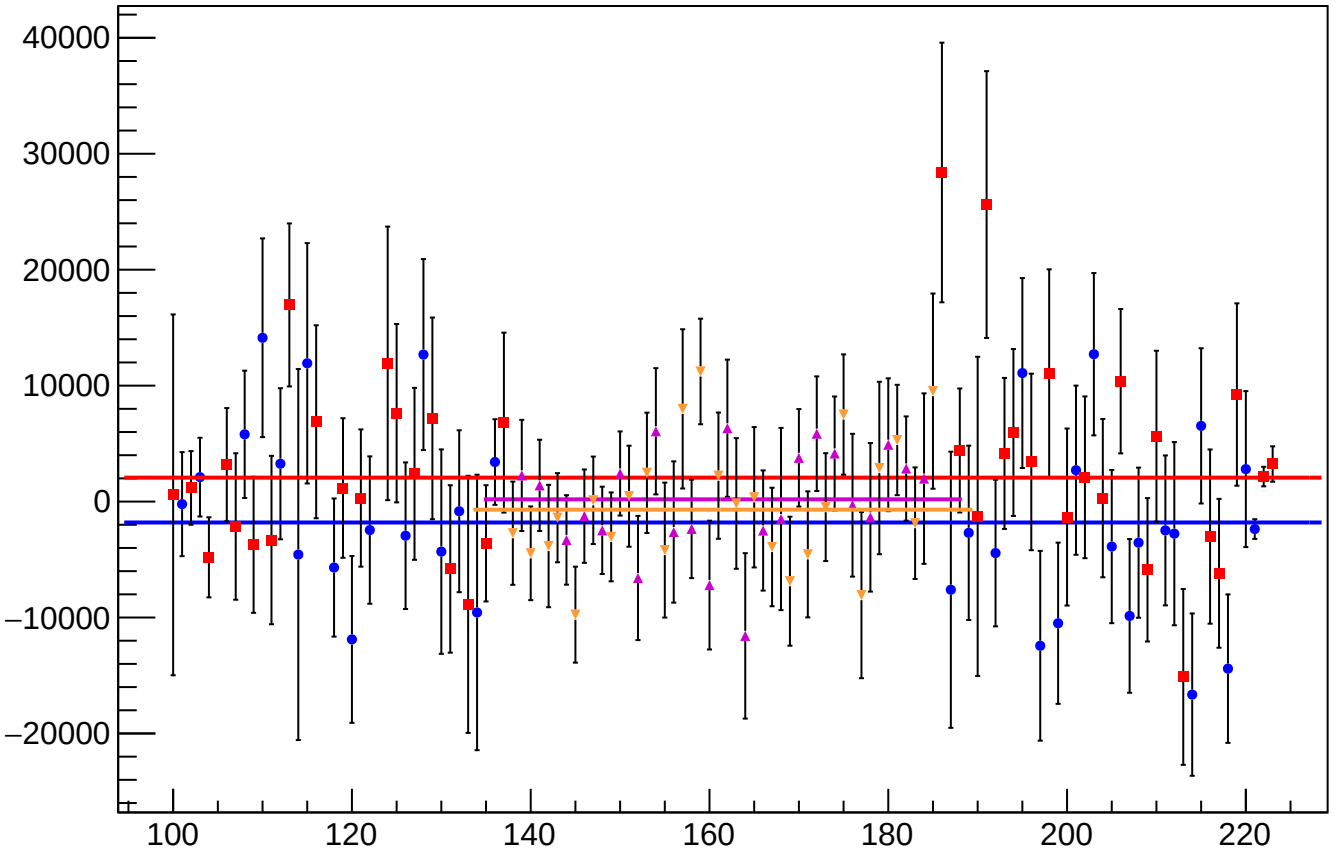
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1953.463+/-0.212 χ^2/NDF: 3432375.2/72

In: 1904.409+/-0.214 χ^2/NDF:815009.6/56

Out: 1909.562+/-0.212 χ^2/NDF:2756121.0/63

All: 1907.013+/-0.151 χ^2/NDF: 3571422.5/12



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

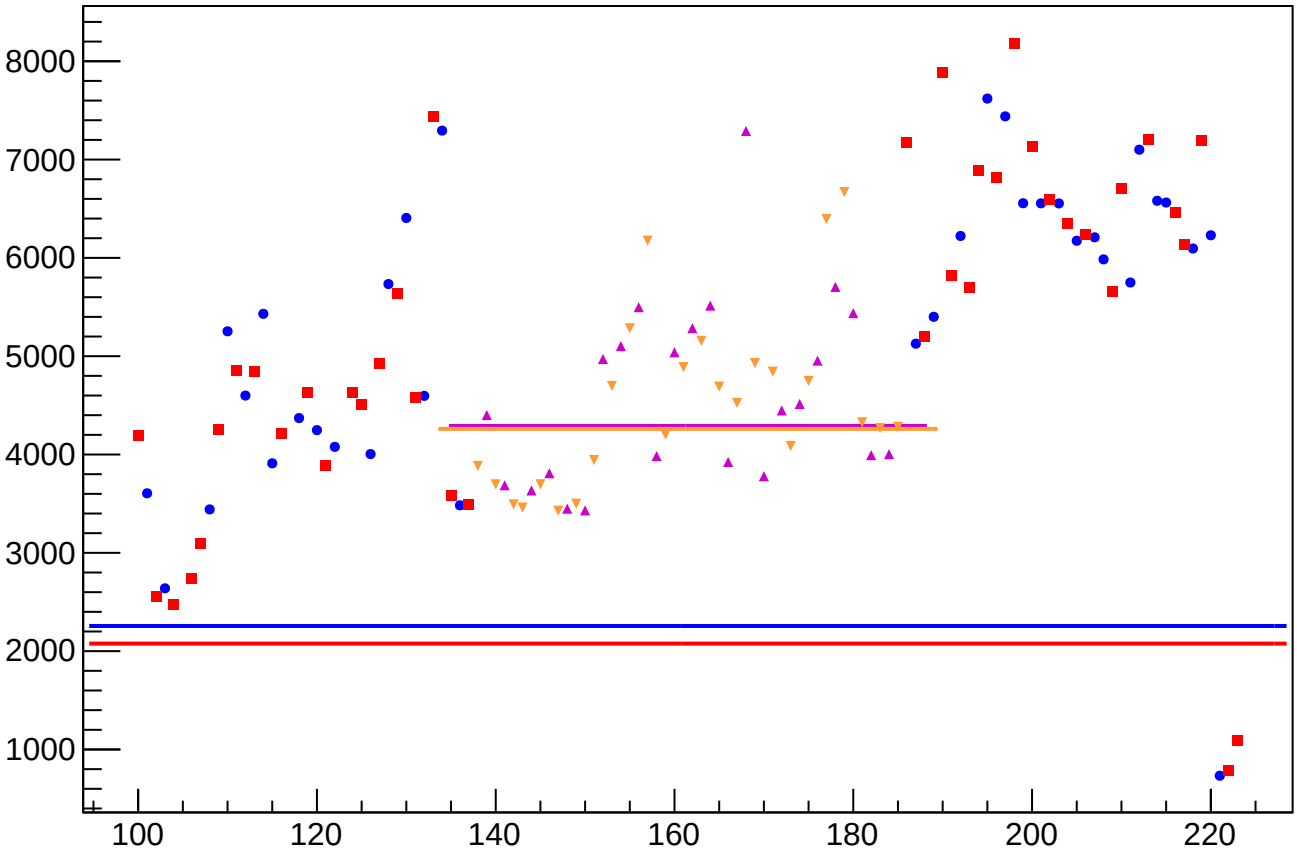
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 342.369+/-452.771 χ^2/NDF: 99.0/72

In: -1192.965+/-565.346 χ^2/NDF:58.4/56

Out: 1308.177+/-518.058 χ^2/NDF:71.4/63

All: 166.568+/-381.948 χ^2/NDF: 140.5/120



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

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

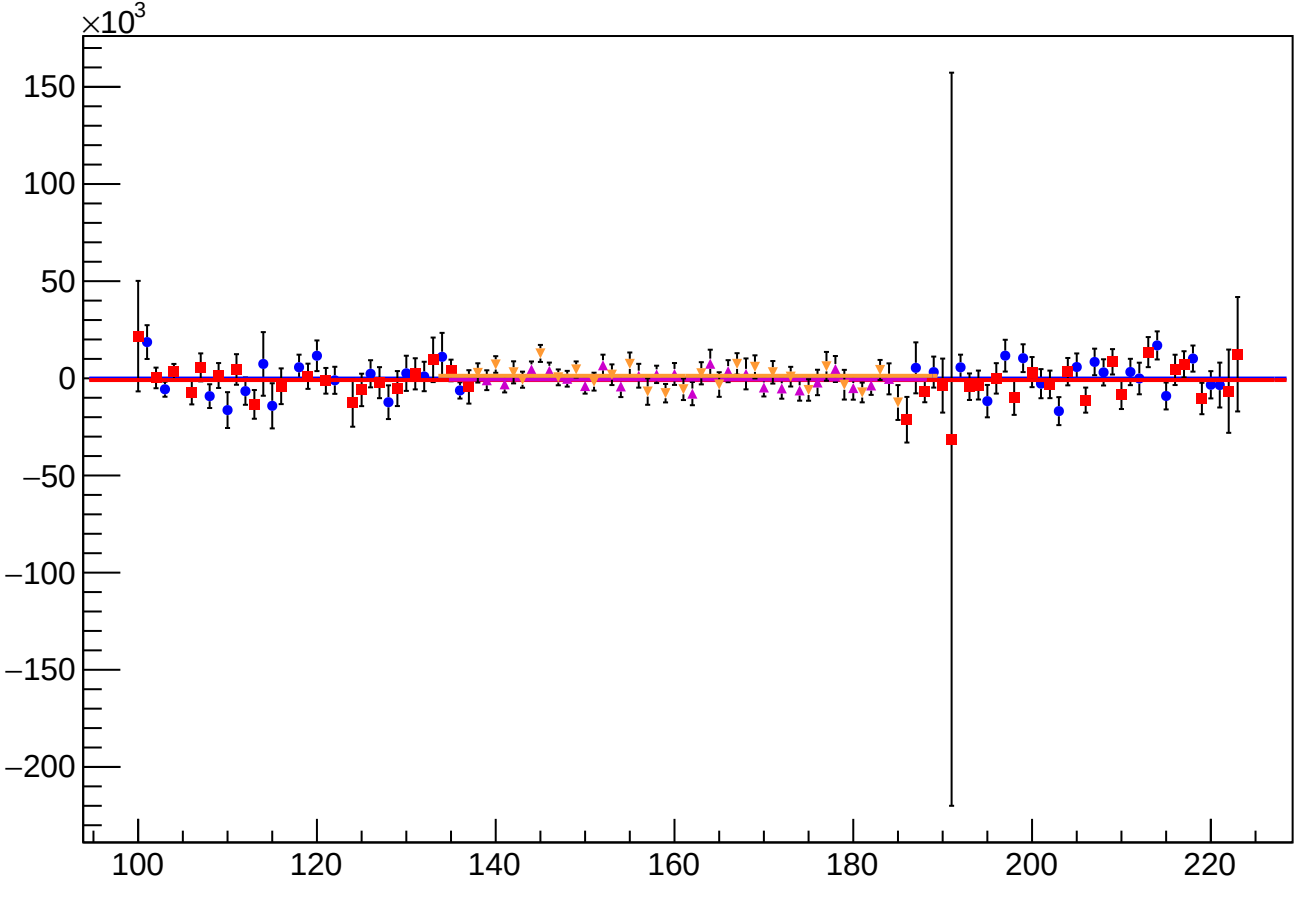
Right: 2156.734+/-0.320 χ^2/NDF: 43505541.0/72

In: 2878.015+/-0.400 χ^2/NDF:27962522.4/56

Out: 2675.029+/-0.366 χ^2/NDF:30435704.6/63

All: 2767.679+/-0.270 χ^2/NDF: 58538374.2/

asym_atr_dd_mean vs Slug, Sign Corrected



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

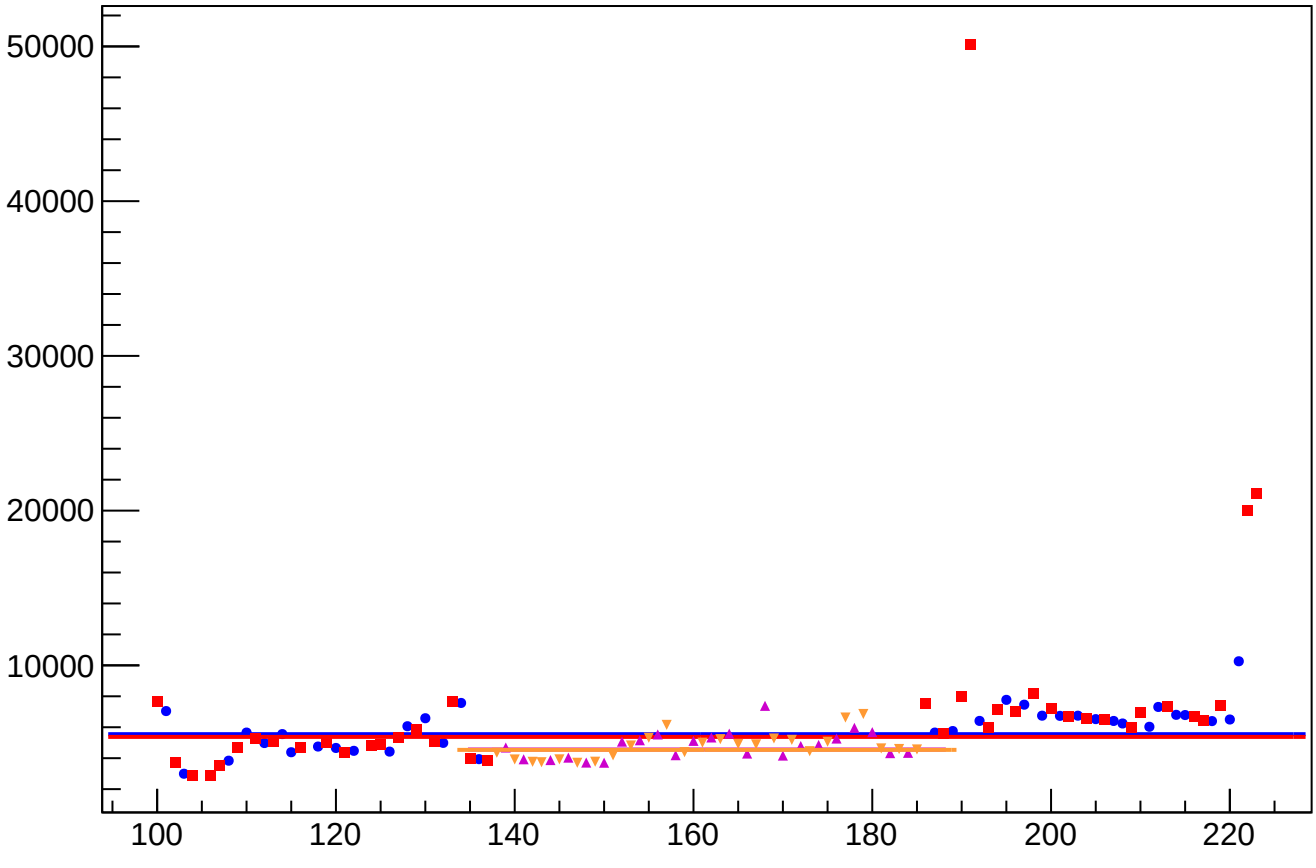
Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

Right: -508.063+/-861.920 χ^2/NDF: 78.0/72

In: -375.587+/-812.741 χ^2/NDF:62.7/56

Out: 358.301+/-792.071 χ^2/NDF:59.9/63

All: 0.808+/-567.246 χ^2/NDF: 123.0/120



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

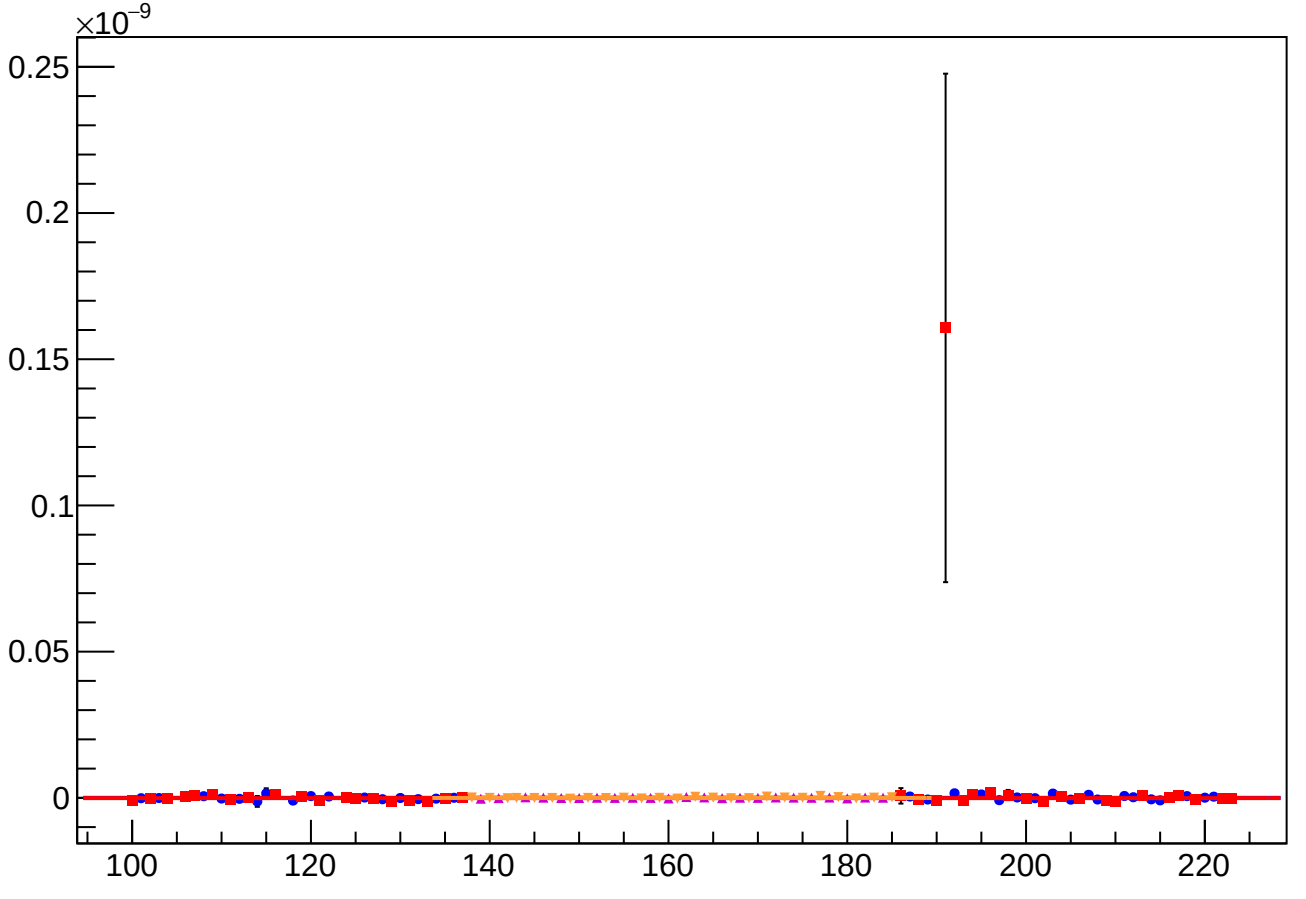
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5462.223+/-0.608 χ^2/NDF: 7720733.4/72

In: 4992.818+/-0.575 χ^2/NDF:4559862.2/56

Out: 4900.749+/-0.559 χ^2/NDF:6397686.3/63

All: 4945.507+/-0.401 χ^2/NDF: 10970737.0/1



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

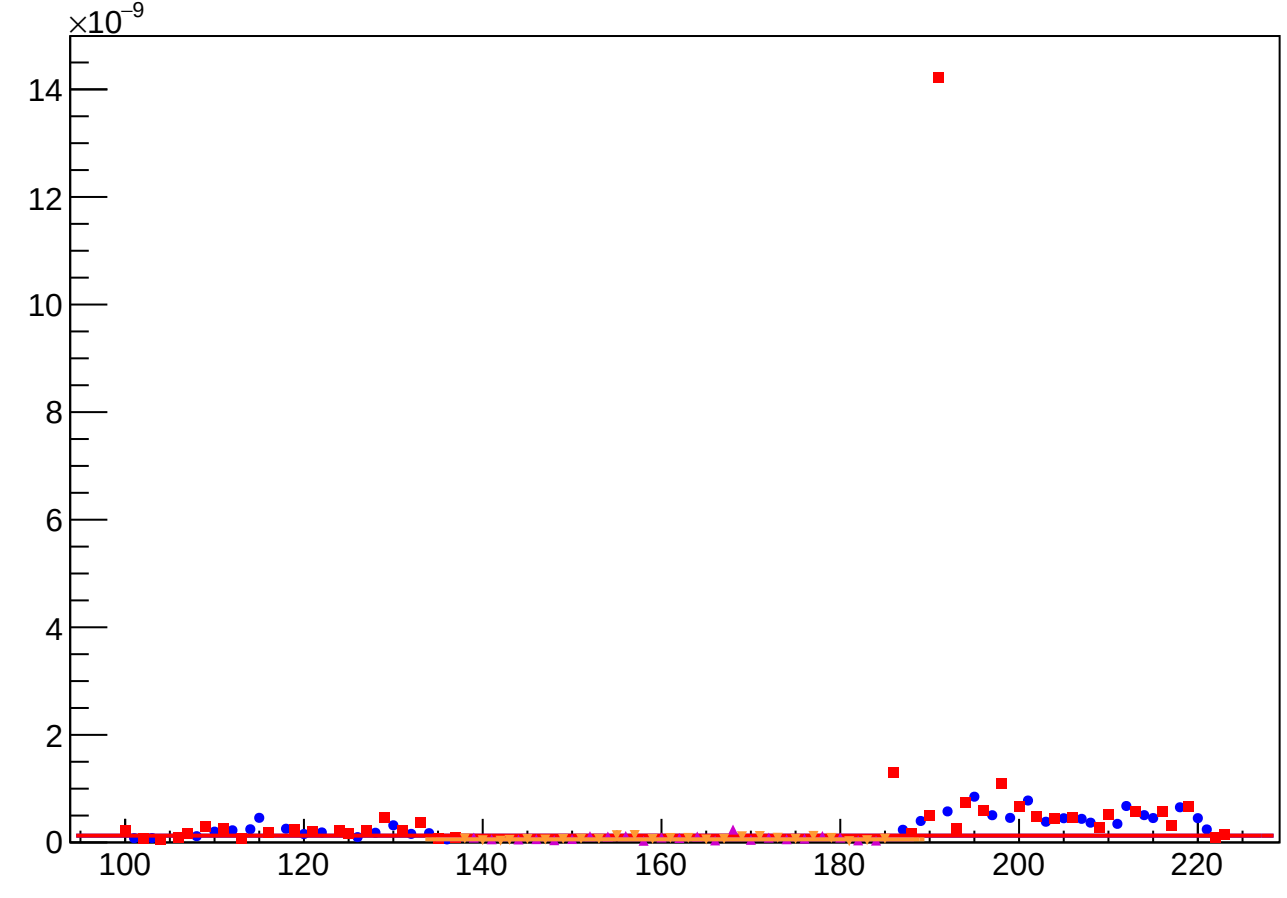
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 76.4/72

In: 0.000+/-0.000 χ^2/NDF:50.4/56

Out: -0.000+/-0.000 χ^2/NDF:84.2/63

All: -0.000+/-0.000 χ^2/NDF: 137.0/120



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

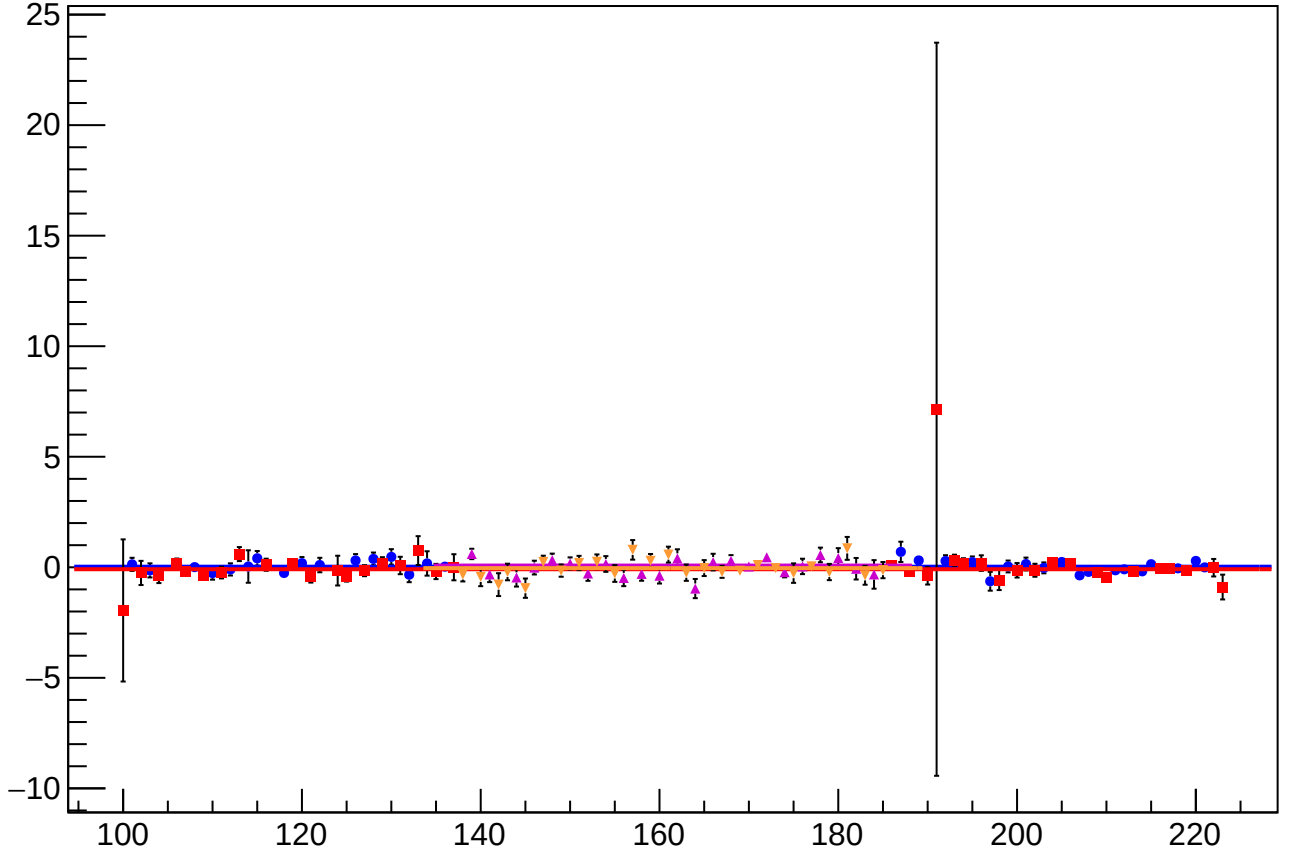
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 17293366.3/72

In: 0.000+/-0.000 χ^2/NDF:13100189.1/56

Out: 0.000+/-0.000 χ^2/NDF:12744207.5/63

All: 0.000+/-0.000 χ^2/NDF: 25848942.4/120



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

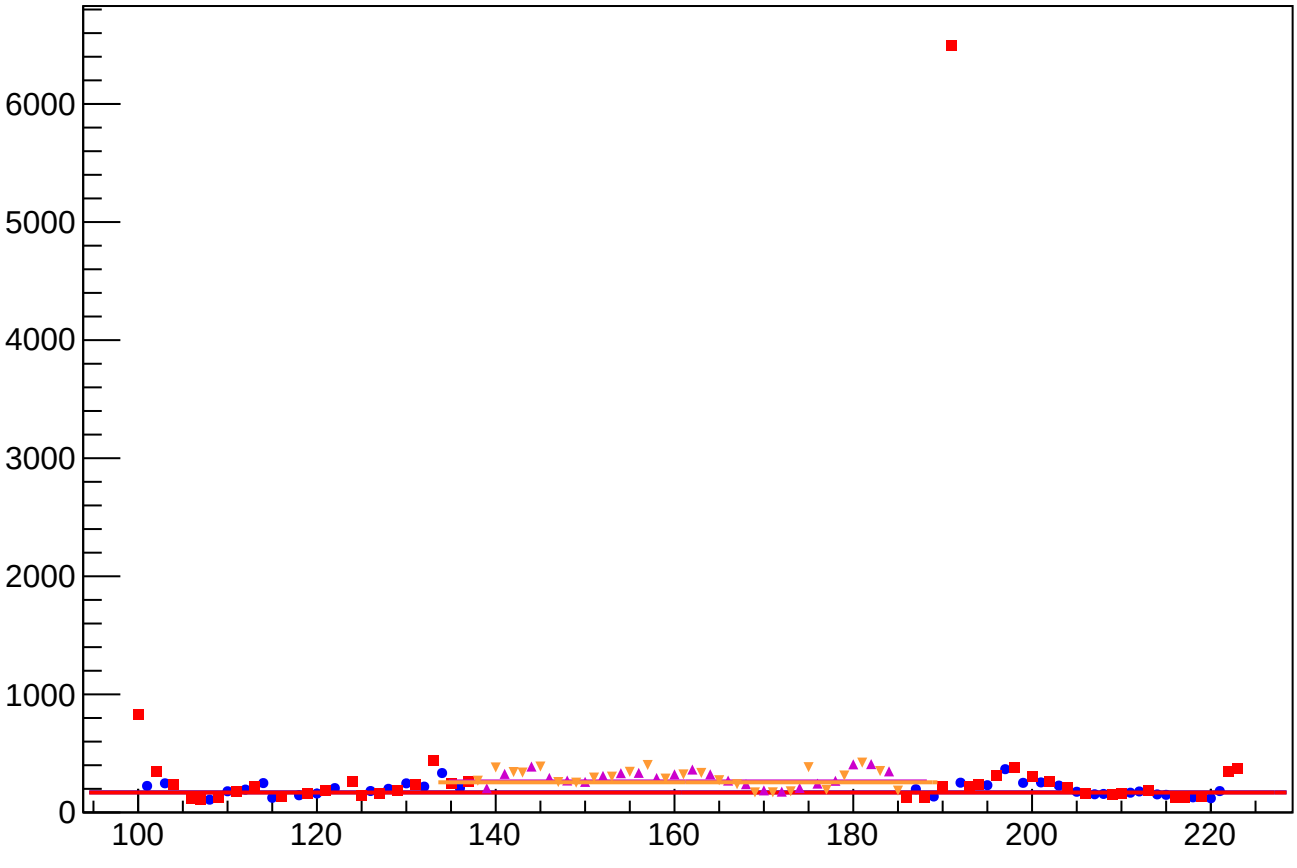
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.030+/-0.027 χ^2/NDF: 74.9/72

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.074+/-0.033 χ^2/NDF:60.4/63

All: -0.018+/-0.023 χ^2/NDF: 132.9/120



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

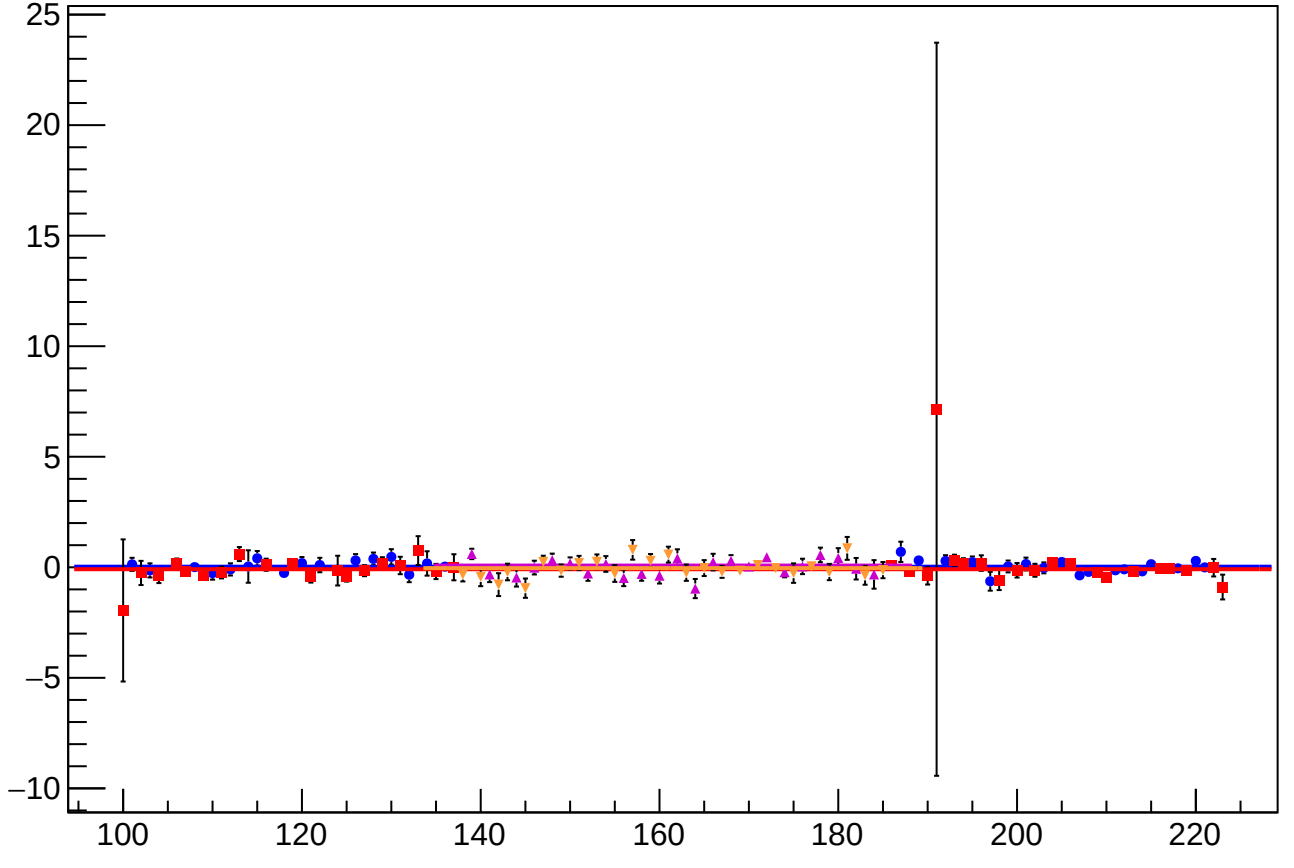
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 169.595+/-0.019 χ^2/NDF: 7591983.8/72

In: 194.700+/-0.023 χ^2/NDF:7800447.4/56

Out: 193.010+/-0.023 χ^2/NDF:10553314.2/63

All: 193.844+/-0.017 χ^2/NDF: 18356382.6/12



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

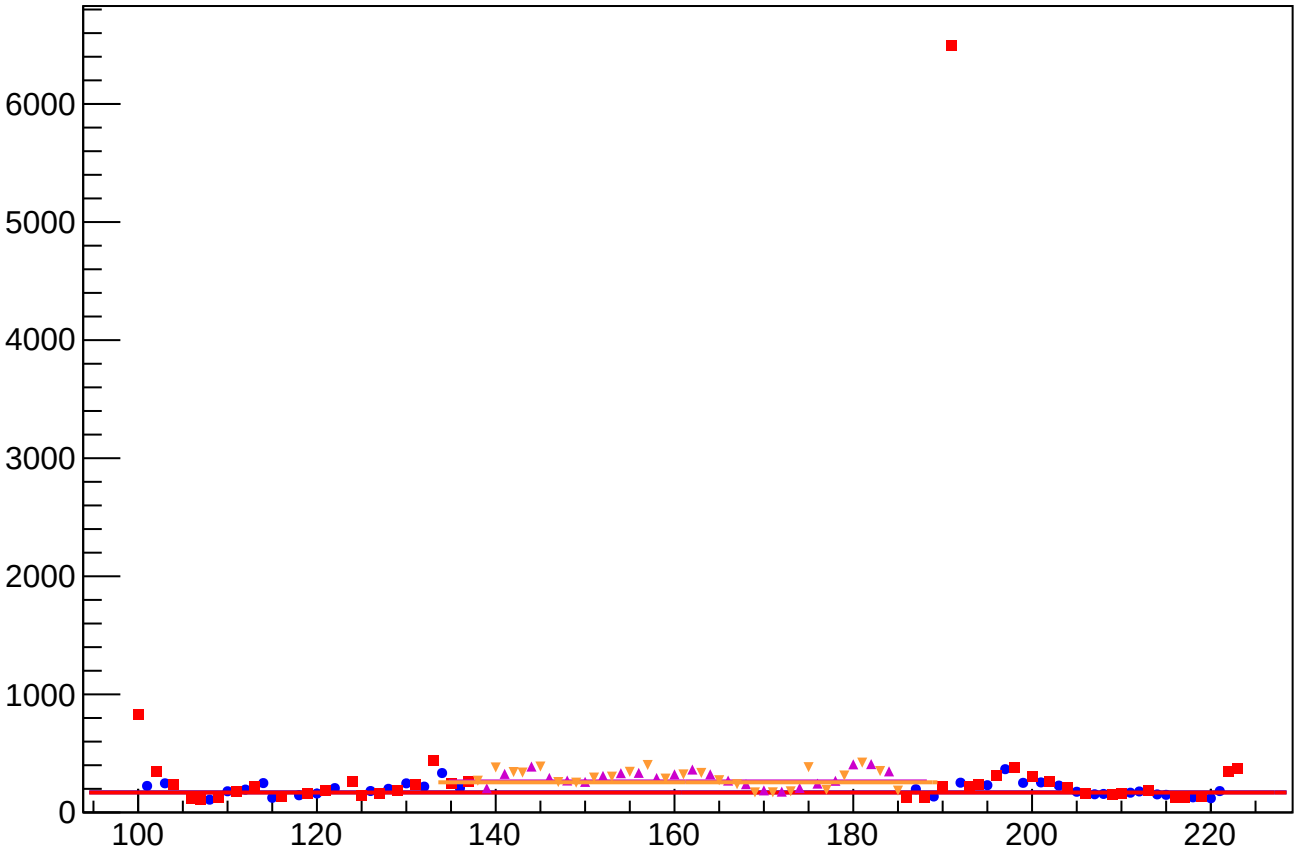
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.030+/-0.027 χ^2/NDF: 74.9/72

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.074+/-0.033 χ^2/NDF:60.4/63

All: -0.018+/-0.023 χ^2/NDF: 132.9/120



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

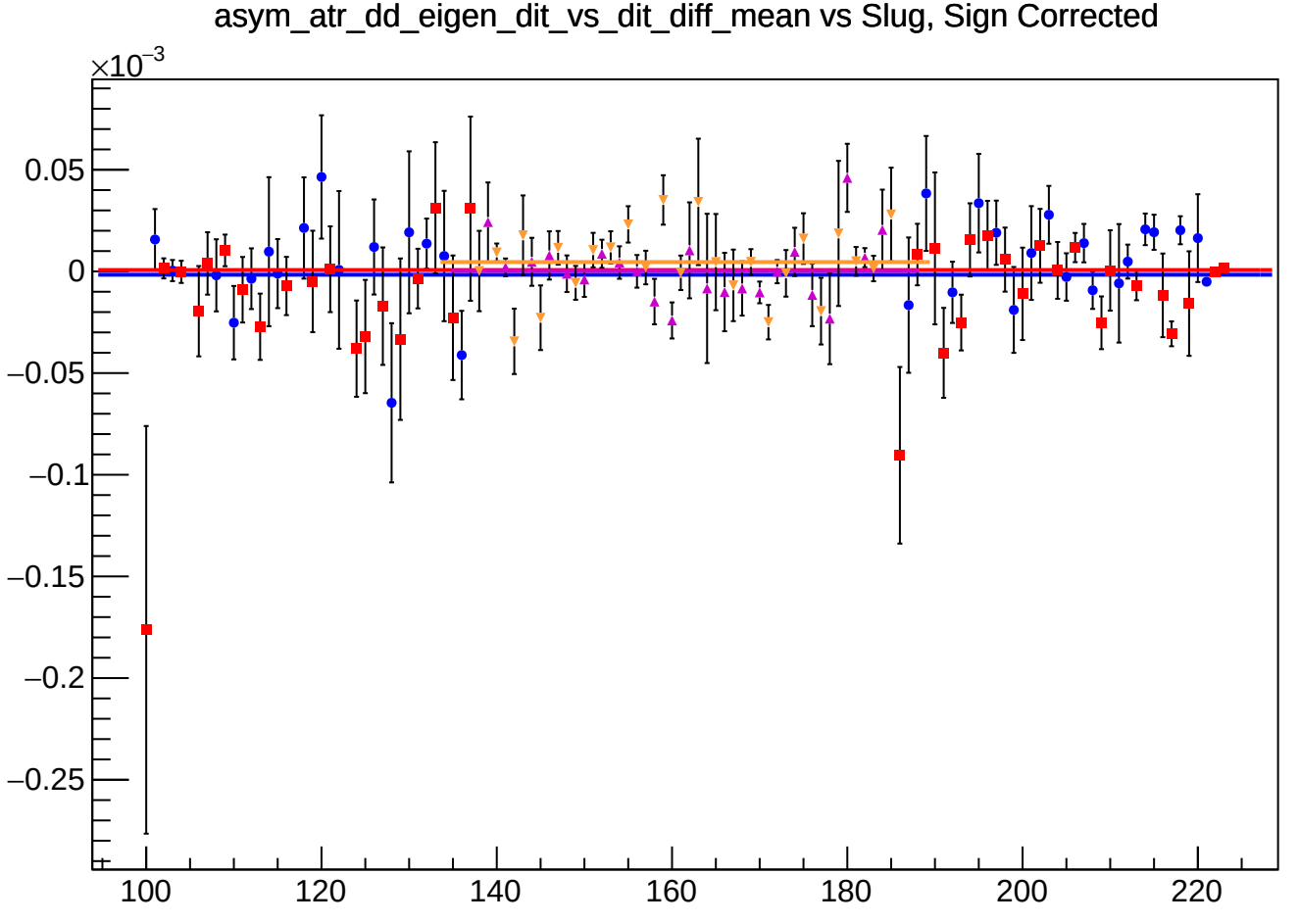
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 169.595+/-0.019 χ^2/NDF: 7591983.8/72

In: 194.700+/-0.023 χ^2/NDF:7800447.4/56

Out: 193.010+/-0.023 χ^2/NDF:10553314.2/63

All: 193.844+/-0.017 χ^2/NDF: 18356382.6/12



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

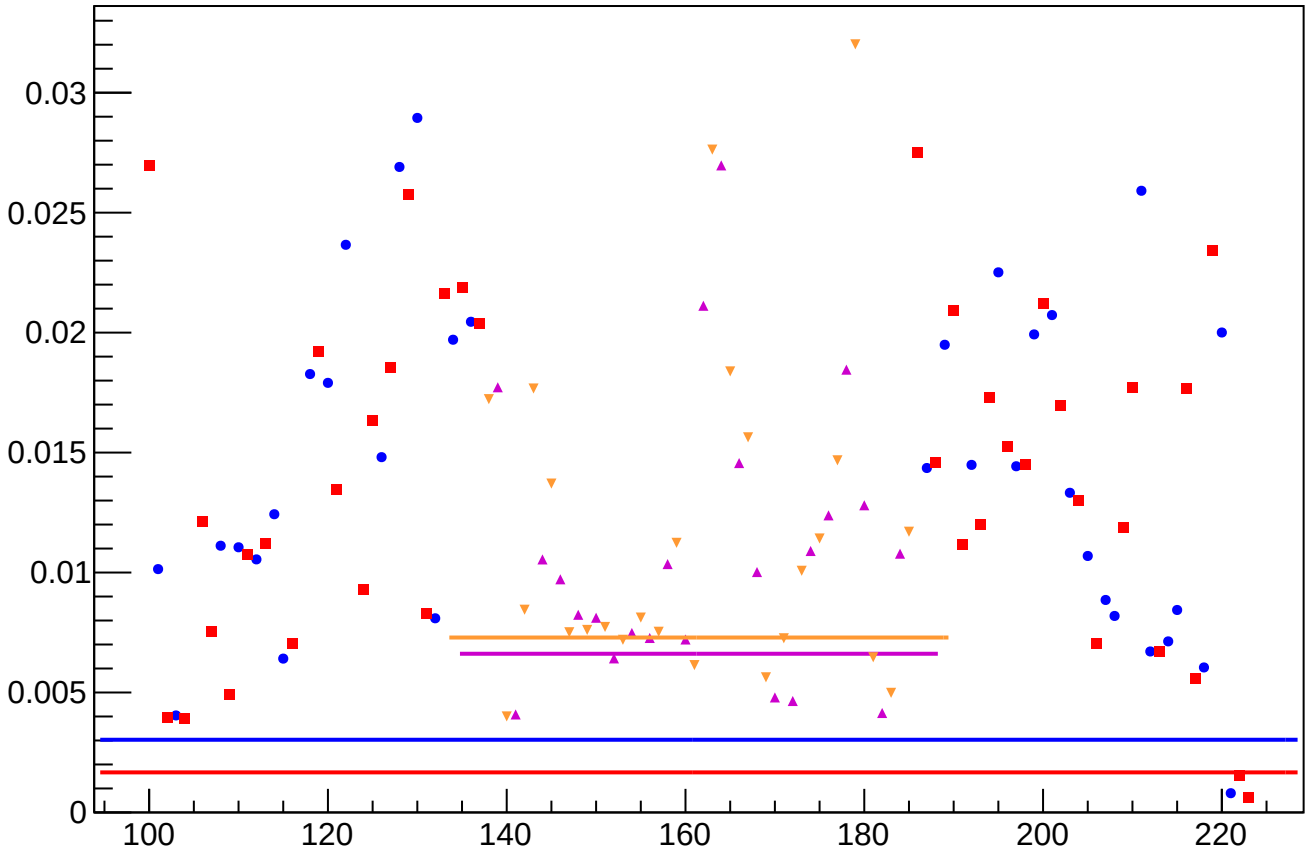
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 131.0/72

In: -0.000+/-0.000 χ^2/NDF:93.4/56

Out: 0.000+/-0.000 χ^2/NDF:114.0/63

All: 0.000+/-0.000 χ^2/NDF: 210.9/120



Right In: 0.003+/-0.000 χ^2/NDF: 27987952.6/33

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.002+/-0.000 χ^2/NDF: 33539307.2/38

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

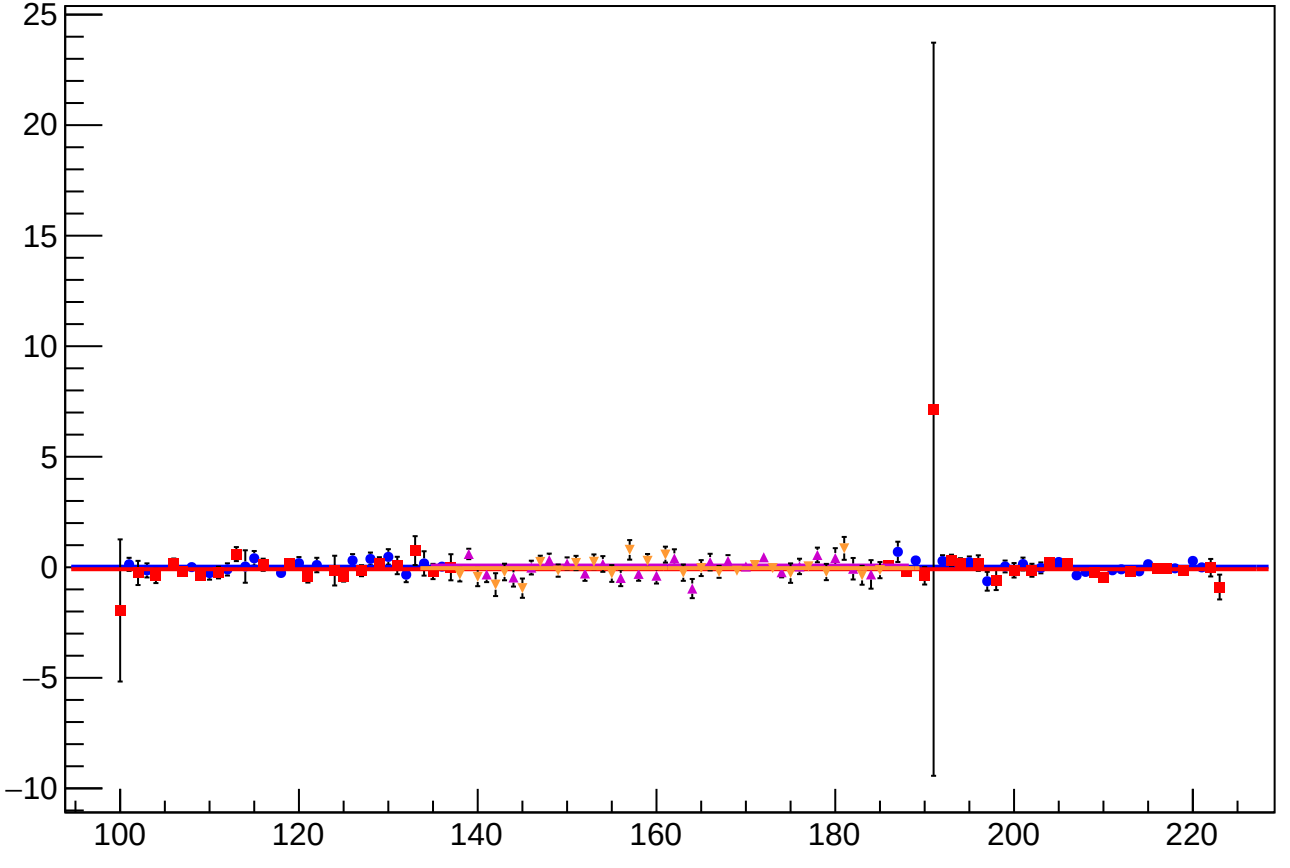
Right: 0.002+/-0.000 χ^2/NDF: 63435796.4/72

In: 0.004+/-0.000 χ^2/NDF:39942081.3/56

Out: 0.002+/-0.000 χ^2/NDF:55889237.4/63

All: 0.003+/-0.000 χ^2/NDF: 99914549.3/120

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

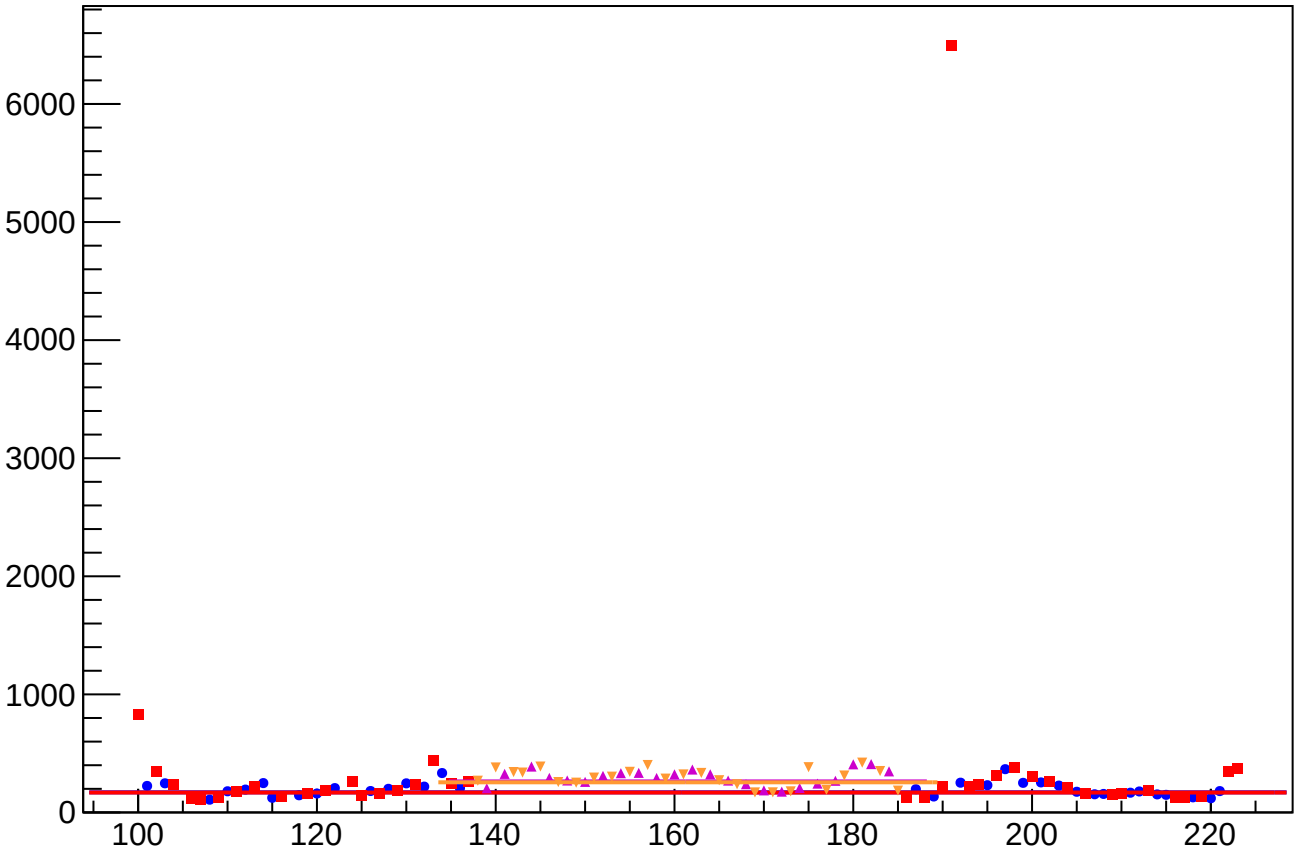
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.030+/-0.027 χ^2/NDF: 74.9/72

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.074+/-0.033 χ^2/NDF:60.4/63

All: -0.018+/-0.023 χ^2/NDF: 132.9/120



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

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

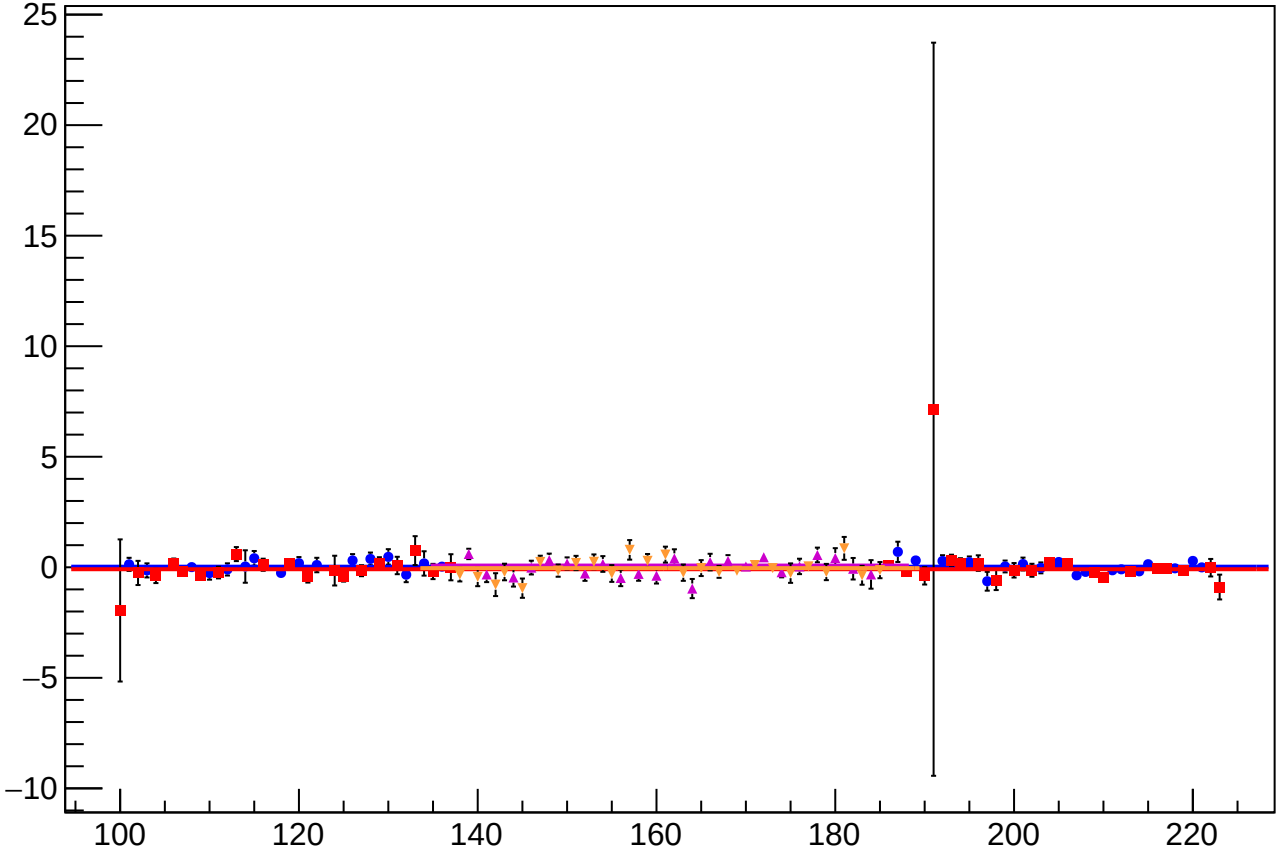
Right: 169.595+/-0.019 χ^2/NDF: 7591980.4/72

In: 194.700+/-0.023 χ^2/NDF:7800713.7/56

Out: 193.011+/-0.023 χ^2/NDF:10553344.0/63

All: 193.845+/-0.017 χ^2/NDF: 18356673.7/12

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

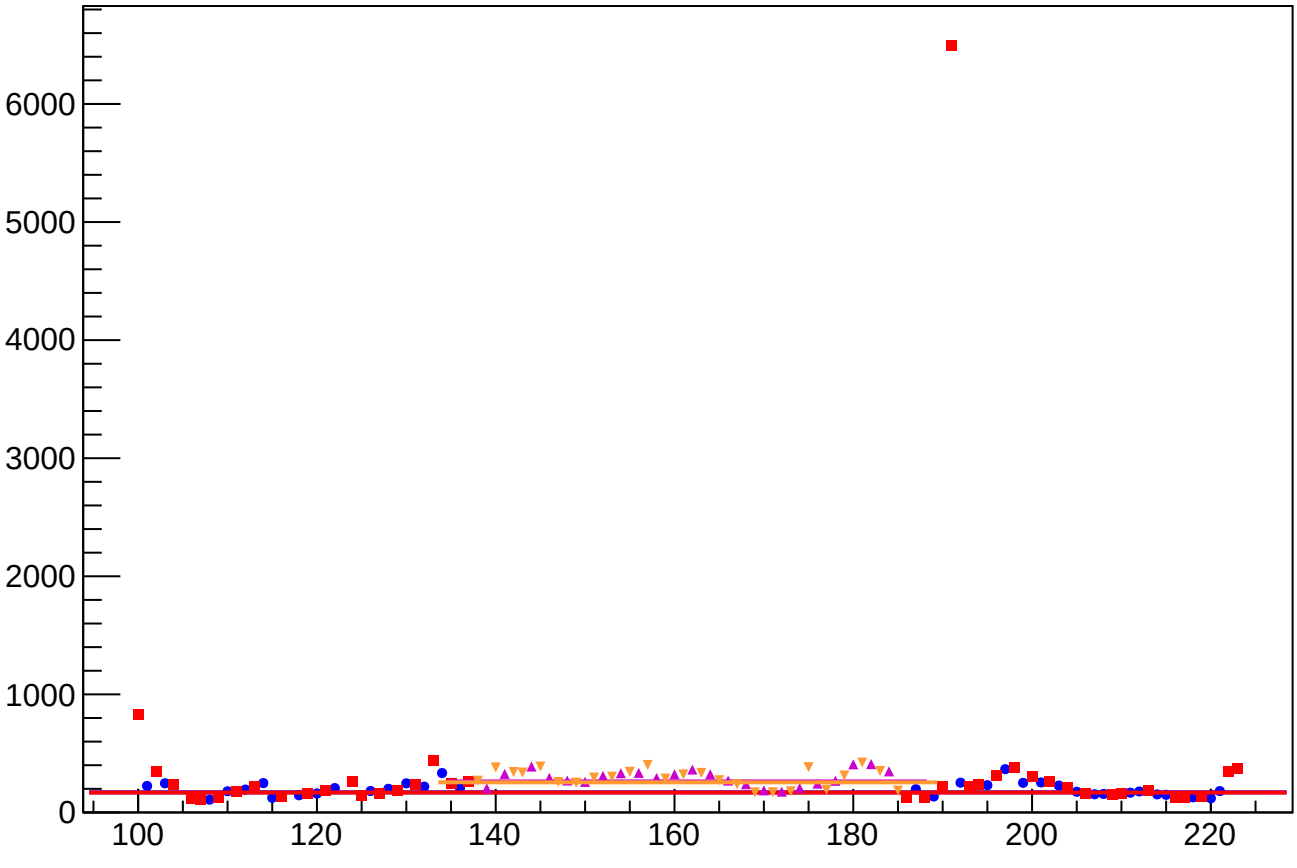
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.030+/-0.027 χ^2/NDF: 74.9/72

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.074+/-0.033 χ^2/NDF:60.4/63

All: -0.018+/-0.023 χ^2/NDF: 132.9/120



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

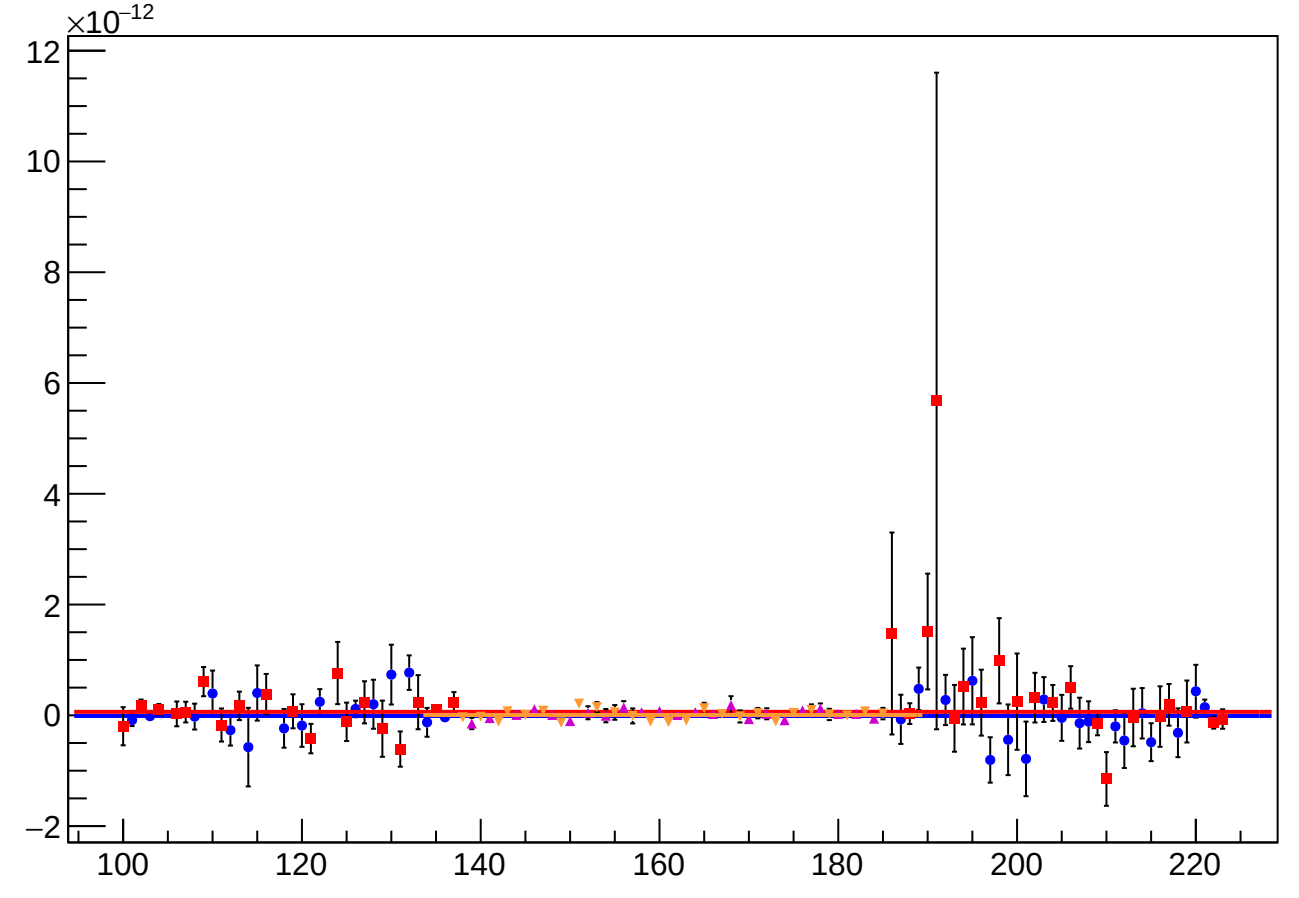
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 169.595+/-0.019 χ^2/NDF: 7591980.4/72

In: 194.700+/-0.023 χ^2/NDF:7800713.7/56

Out: 193.011+/-0.023 χ^2/NDF:10553344.0/63

All: 193.845+/-0.017 χ^2/NDF: 18356673.7/12



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

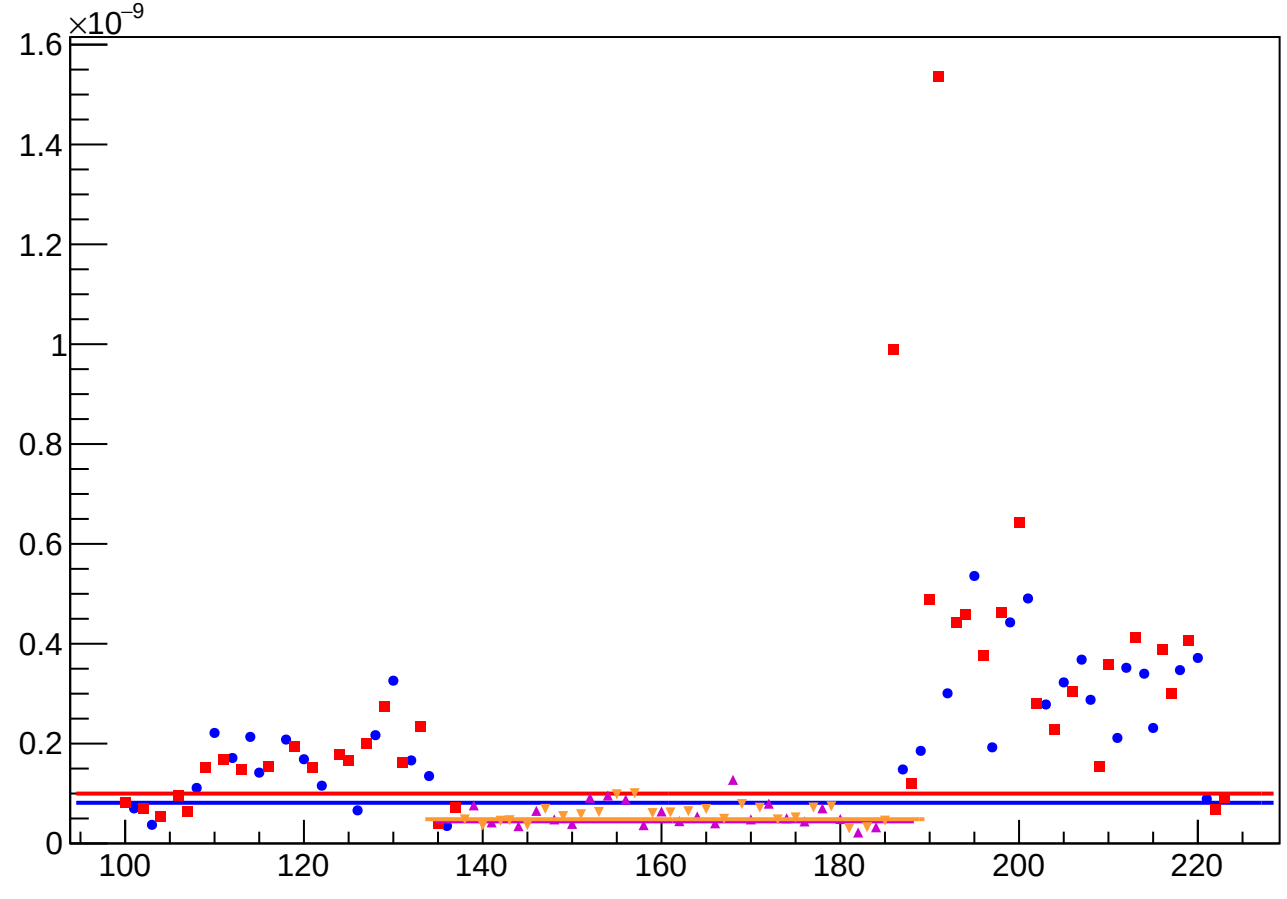
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 70.0/72

In: 0.000+/-0.000 χ^2/NDF:51.4/56

Out: 0.000+/-0.000 χ^2/NDF:70.5/63

All: 0.000+/-0.000 χ^2/NDF: 122.0/120



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

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

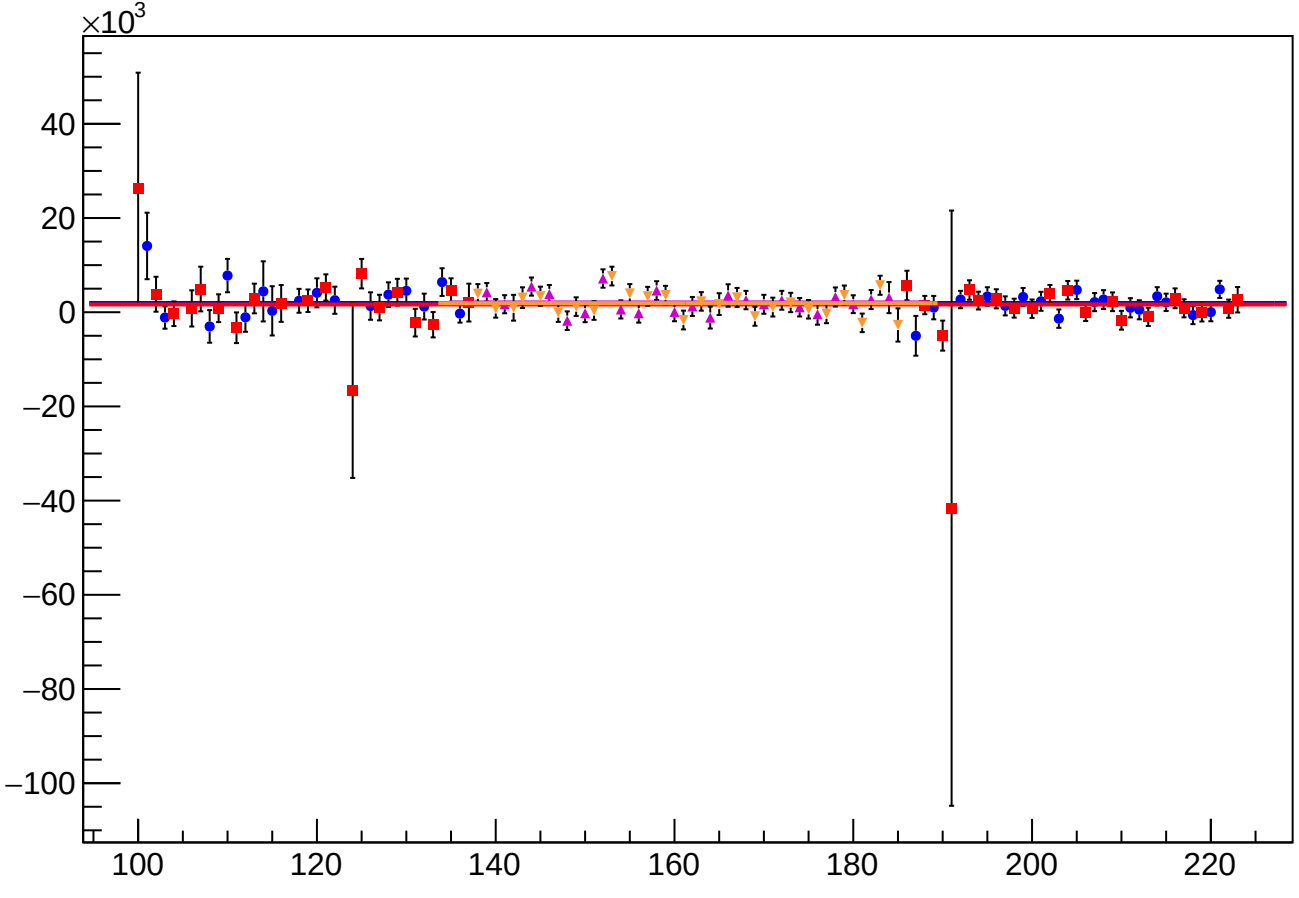
Right: 0.000+/-0.000 χ^2/NDF: 24944204.1/72

In: 0.000+/-0.000 χ^2/NDF:18970697.8/56

Out: 0.000+/-0.000 χ^2/NDF:17616813.6/63

All: 0.000+/-0.000 χ^2/NDF: 36779434.7/120

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

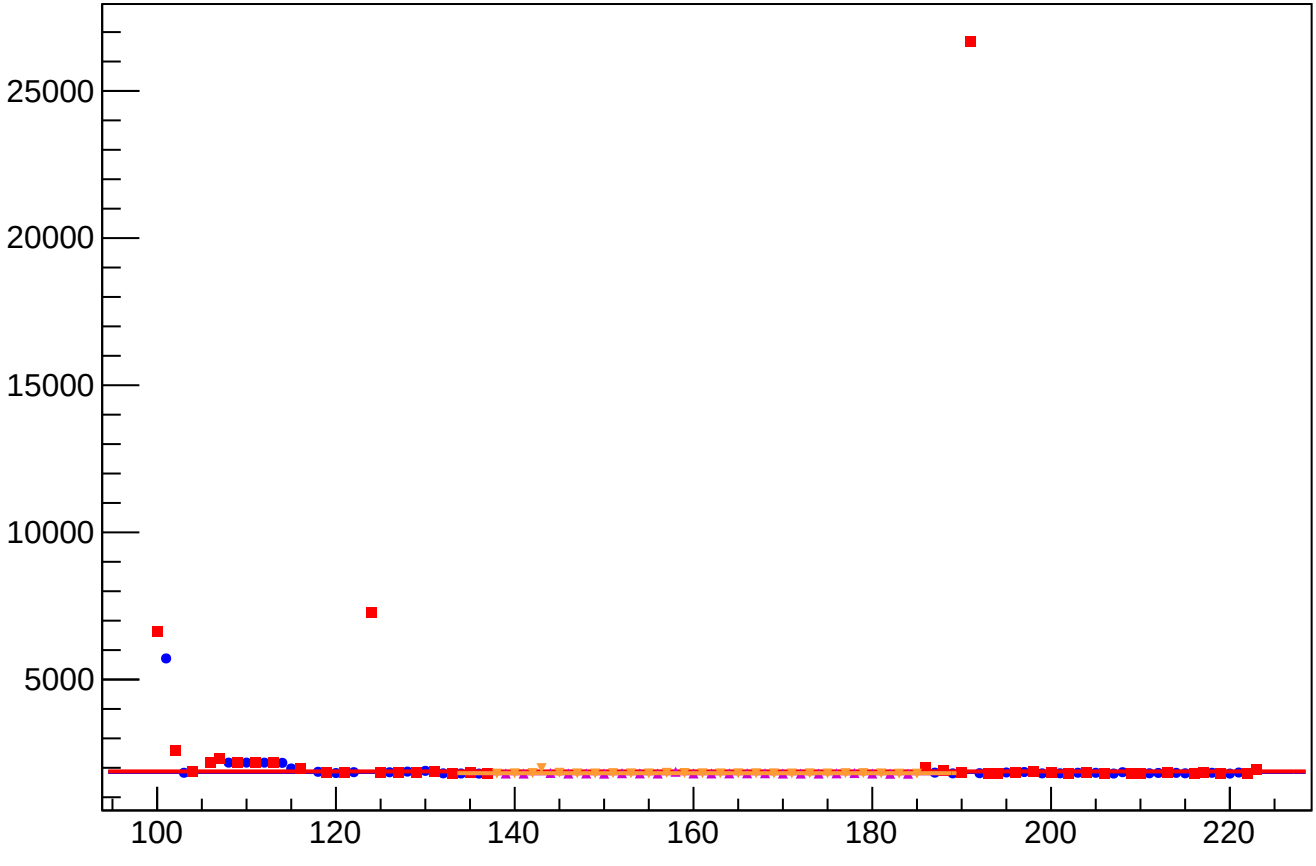
Right: 1804.263+/-281.236 χ^2/NDF: 71.7/72

In: 2016.251+/-290.052 χ^2/NDF:58.8/56

Out: 1777.220+/-286.235 χ^2/NDF:71.9/63

All: 1895.152+/-203.735 χ^2/NDF: 131.0/120

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

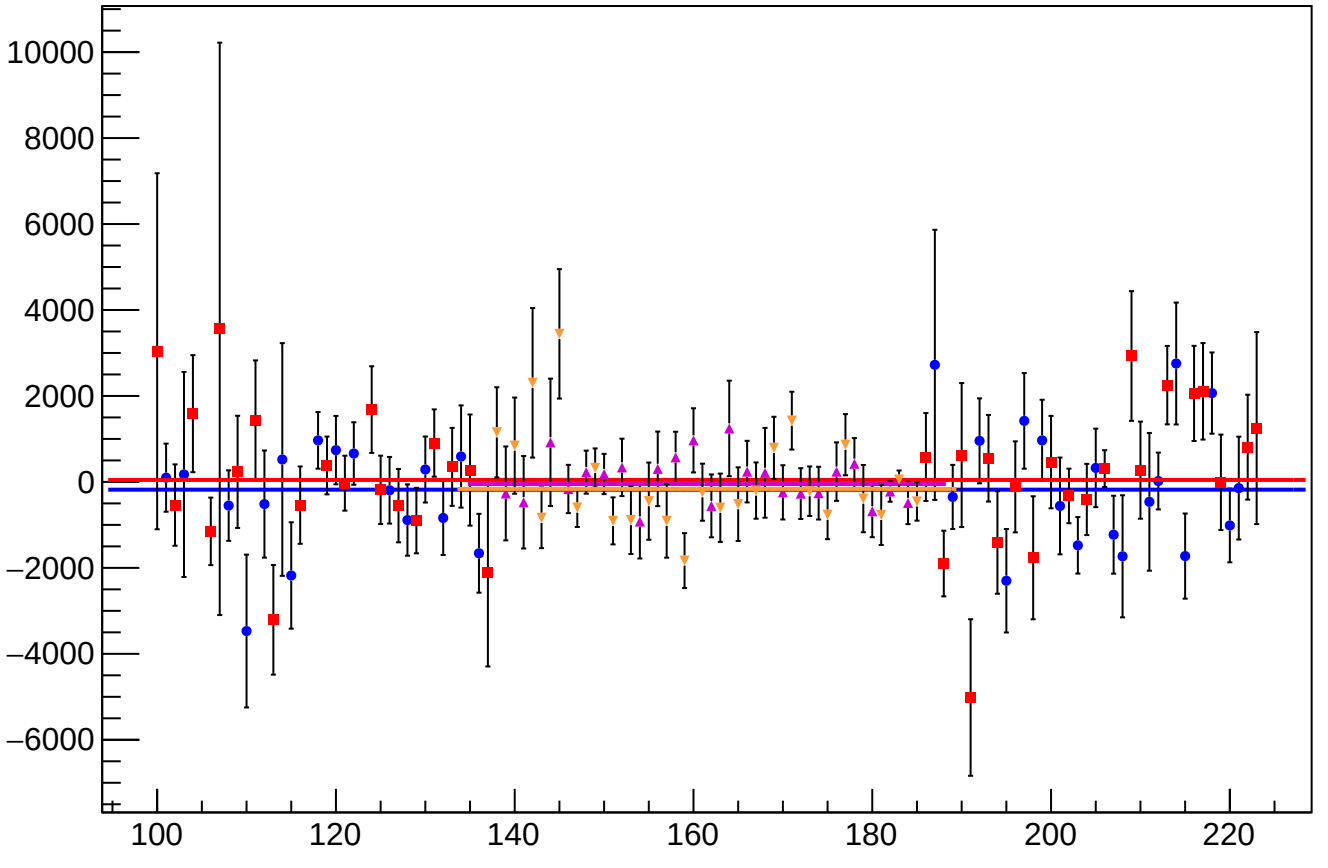
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1867.795+/-0.199 χ^2/NDF: 1426589.9/72

In: 1836.691+/-0.205 χ^2/NDF:687124.1/56

Out: 1848.654+/-0.202 χ^2/NDF:786224.2/63

All: 1842.752+/-0.144 χ^2/NDF: 1475071.9/12



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

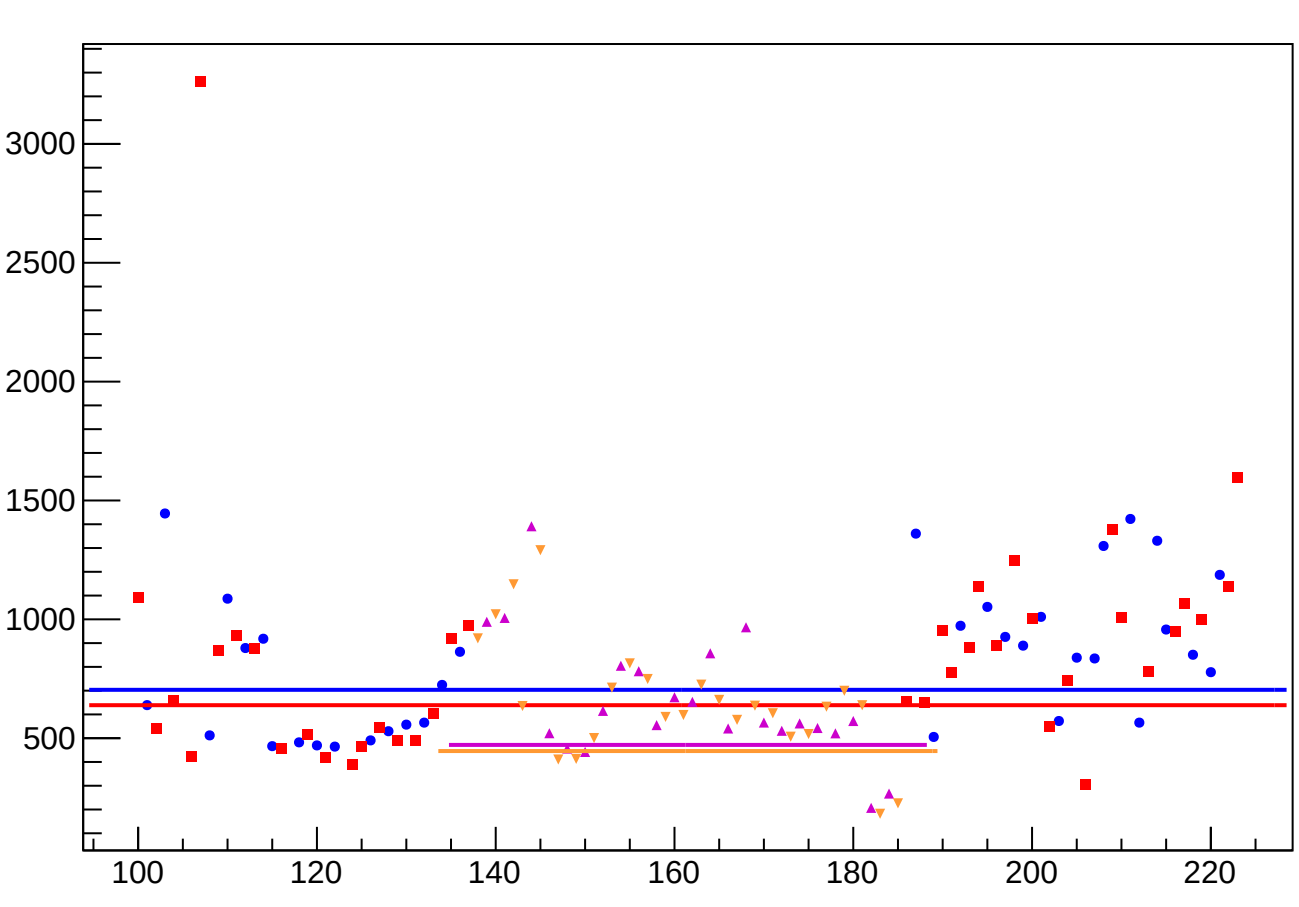
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -60.277+/-111.509 χ^2/NDF: 103.2/72

In: -96.753+/-97.969 χ^2/NDF:57.8/56

Out: -87.395+/-92.099 χ^2/NDF:94.2/63

All: -91.785+/-67.103 χ^2/NDF: 152.0/120



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

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

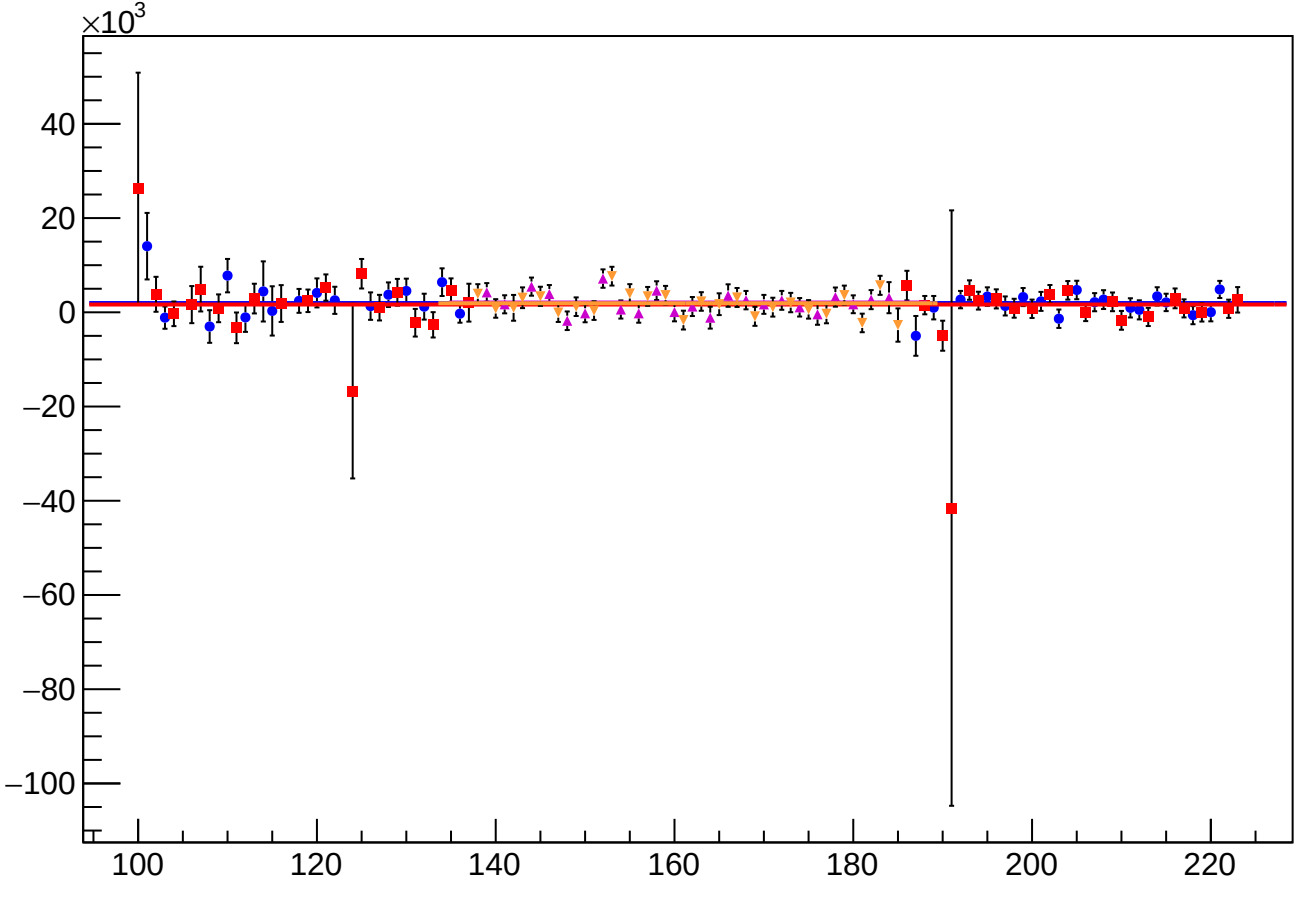
Right: 669.204+/-0.079 χ^2/NDF: 10796898.2/72

In: 555.735+/-0.069 χ^2/NDF:13354992.8/56

Out: 515.722+/-0.065 χ^2/NDF:16284188.6/63

All: 534.494+/-0.047 χ^2/NDF: 29816280.7/12

cor_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

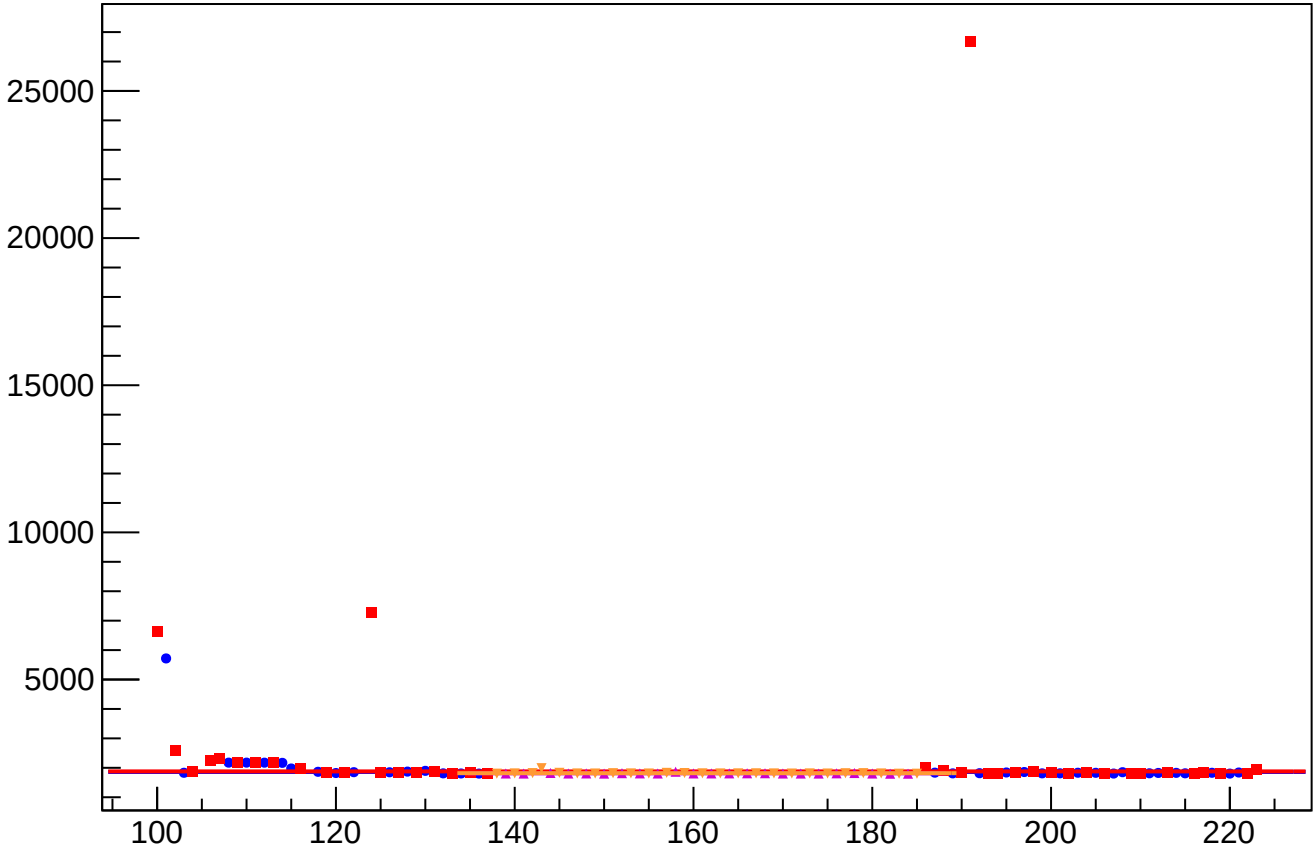
Right: 1808.686+/-281.273 χ^2/NDF: 71.6/72

In: 2016.226+/-290.052 χ^2/NDF:58.8/56

Out: 1781.847+/-286.273 χ^2/NDF:71.8/63

All: 1897.500+/-203.749 χ^2/NDF: 130.9/120

cor_asym_at1_avg_rms vs Slug, Sign Corrected



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

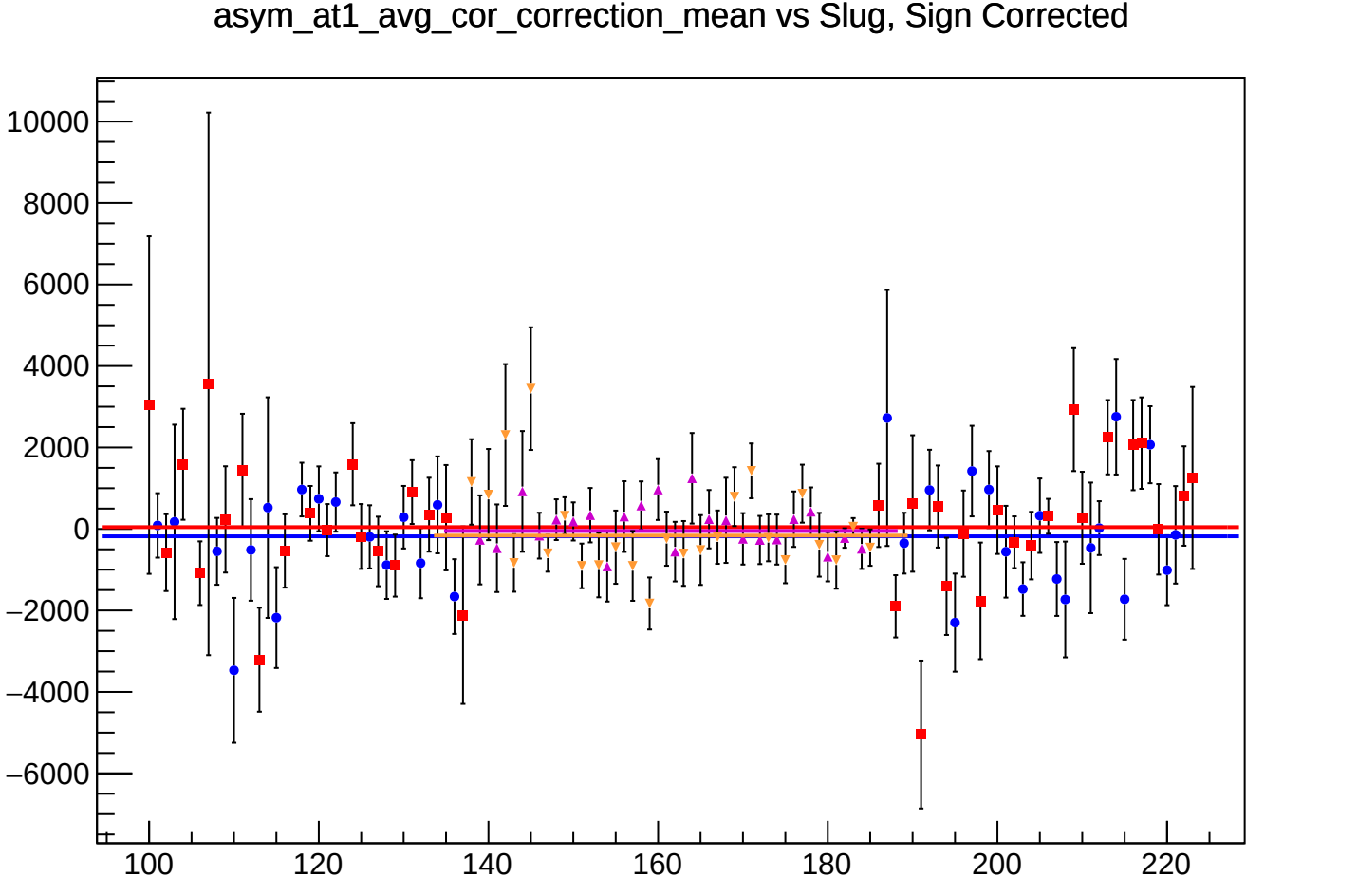
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1867.971+/-0.199 χ^2/NDF: 1430495.3/72

In: 1836.691+/-0.205 χ^2/NDF:687124.0/56

Out: 1848.832+/-0.202 χ^2/NDF:790297.6/63

All: 1842.841+/-0.144 χ^2/NDF: 1479196.5/12



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

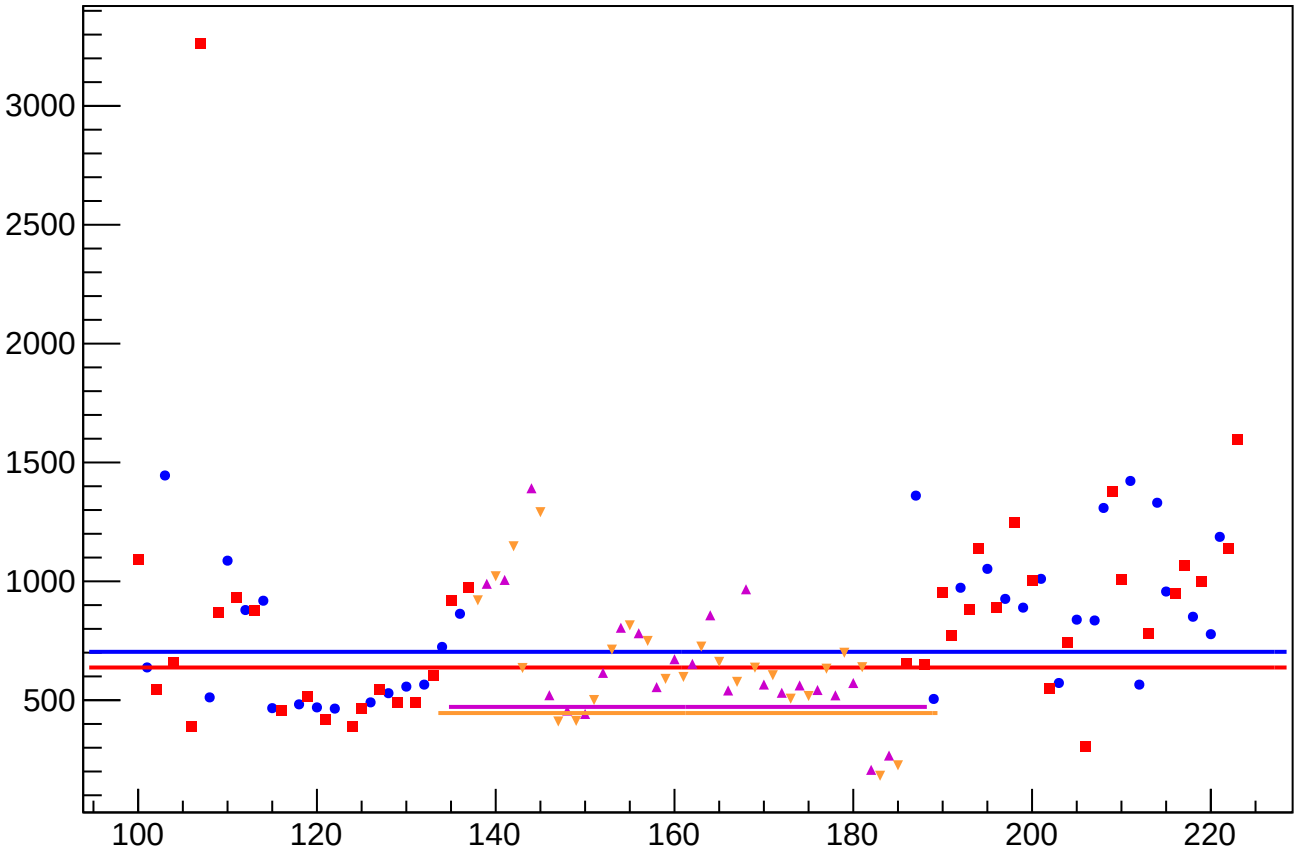
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -61.376+/-111.484 χ^2/NDF: 102.9/72

In: -96.932+/-97.967 χ^2/NDF:57.8/56

Out: -87.939+/-92.086 χ^2/NDF:93.8/63

All: -92.157+/-67.097 χ^2/NDF: 151.7/120



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

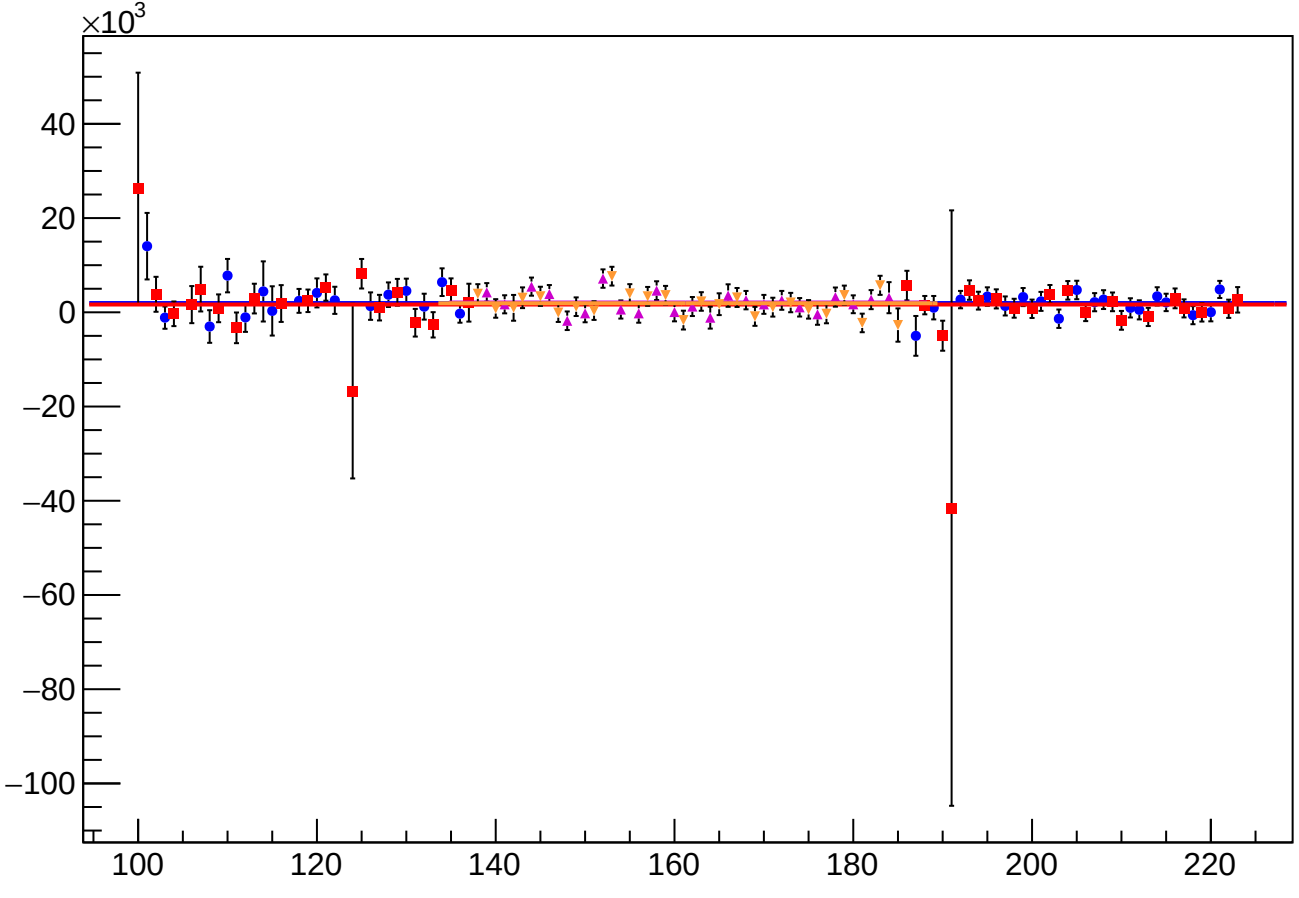
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 668.465+/-0.079 χ^2/NDF: 10855986.3/72

In: 555.730+/-0.069 χ^2/NDF:13353917.1/56

Out: 515.256+/-0.065 χ^2/NDF:16311316.7/63

All: 534.242+/-0.047 χ^2/NDF: 29846467.2/12



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

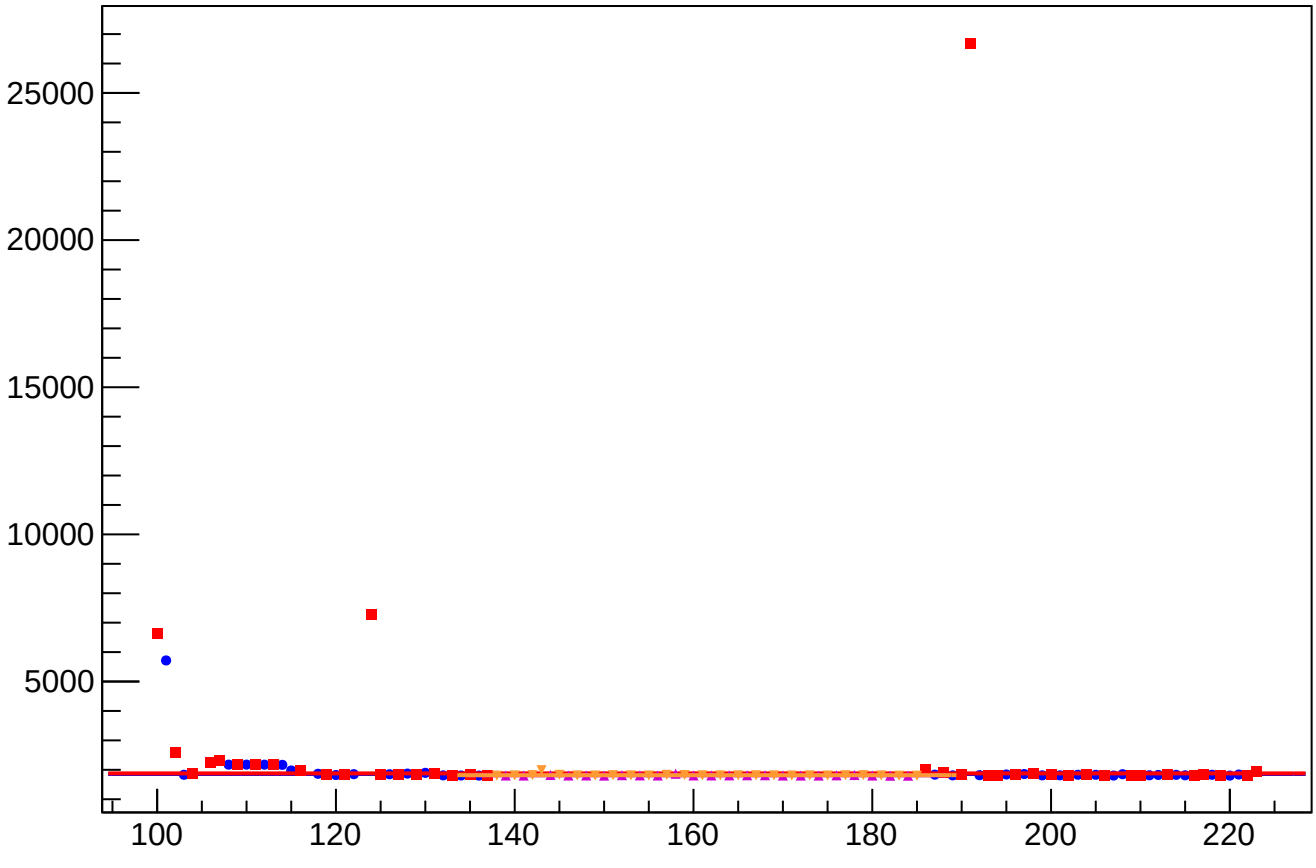
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1808.686+/-281.273 χ^2/NDF: 71.6/72

In: 2016.226+/-290.052 χ^2/NDF:58.8/56

Out: 1781.847+/-286.273 χ^2/NDF:71.8/63

All: 1897.500+/-203.749 χ^2/NDF: 130.9/120



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

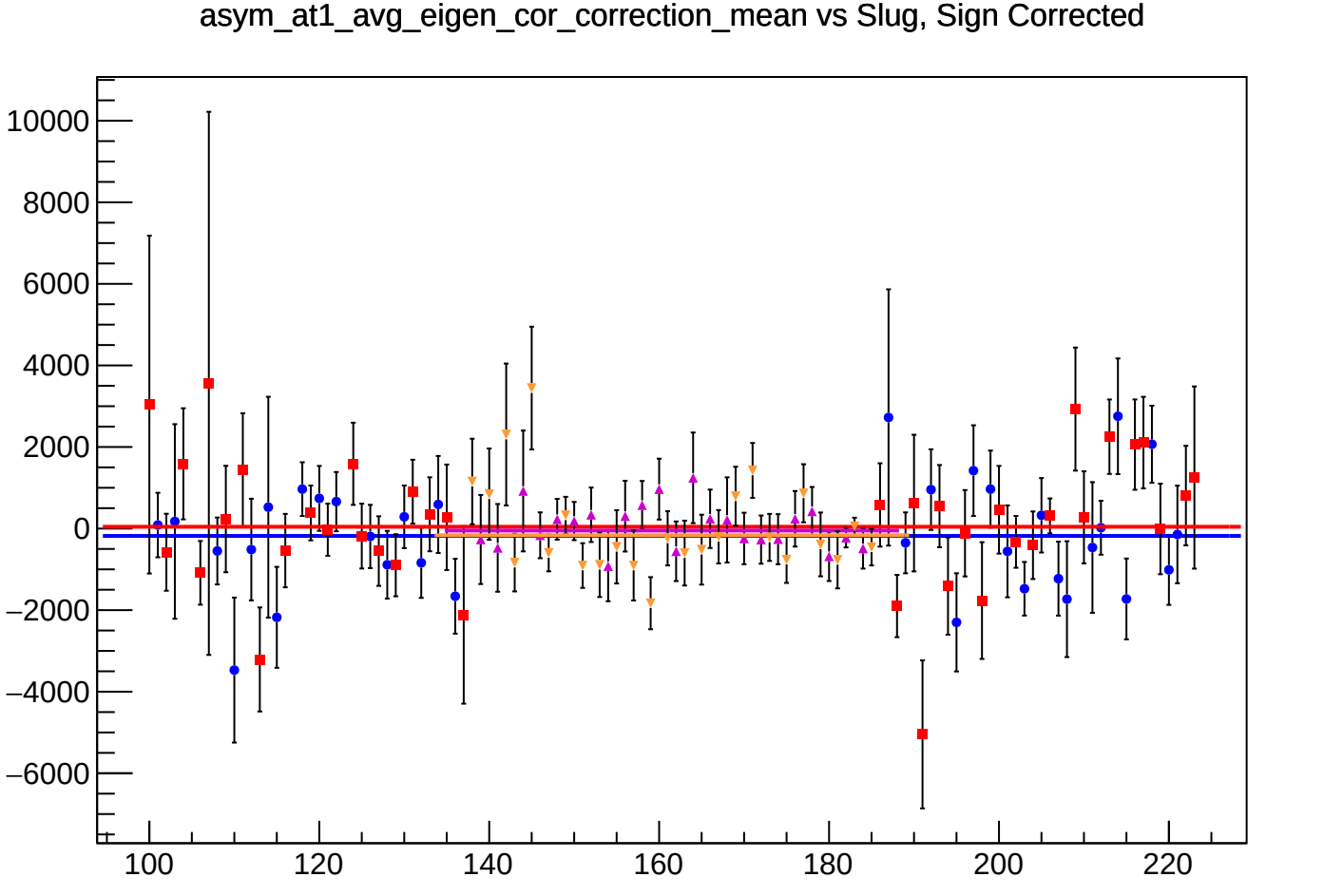
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1867.971+/-0.199 χ^2/NDF: 1430495.3/72

In: 1836.691+/-0.205 χ^2/NDF:687124.0/56

Out: 1848.832+/-0.202 χ^2/NDF:790297.6/63

All: 1842.841+/-0.144 χ^2/NDF: 1479196.5/12



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

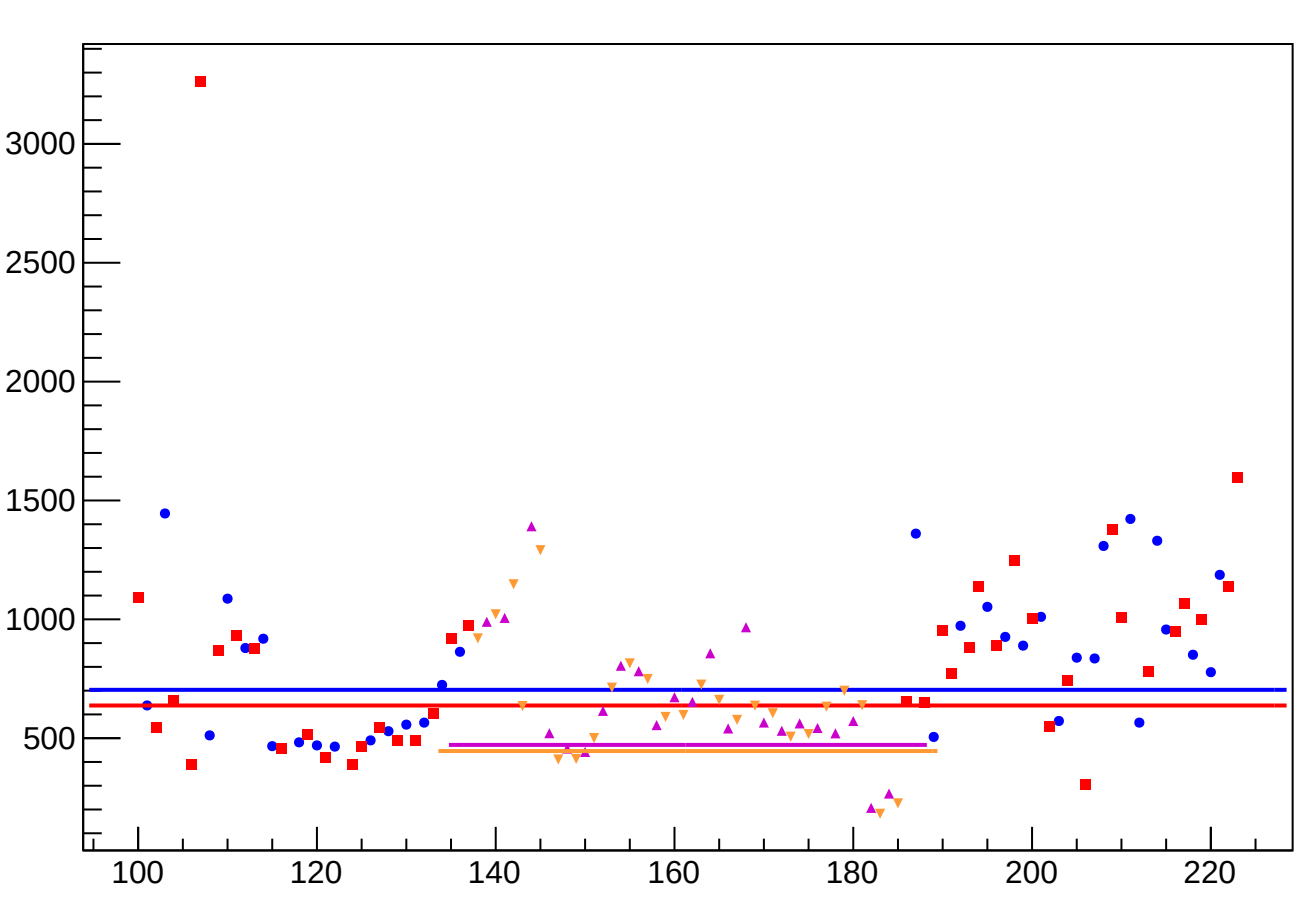
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -61.376+/-111.484 χ^2/NDF: 102.9/72

In: -96.932+/-97.967 χ^2/NDF:57.8/56

Out: -87.939+/-92.086 χ^2/NDF:93.8/63

All: -92.157+/-67.097 χ^2/NDF: 151.7/120



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

Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

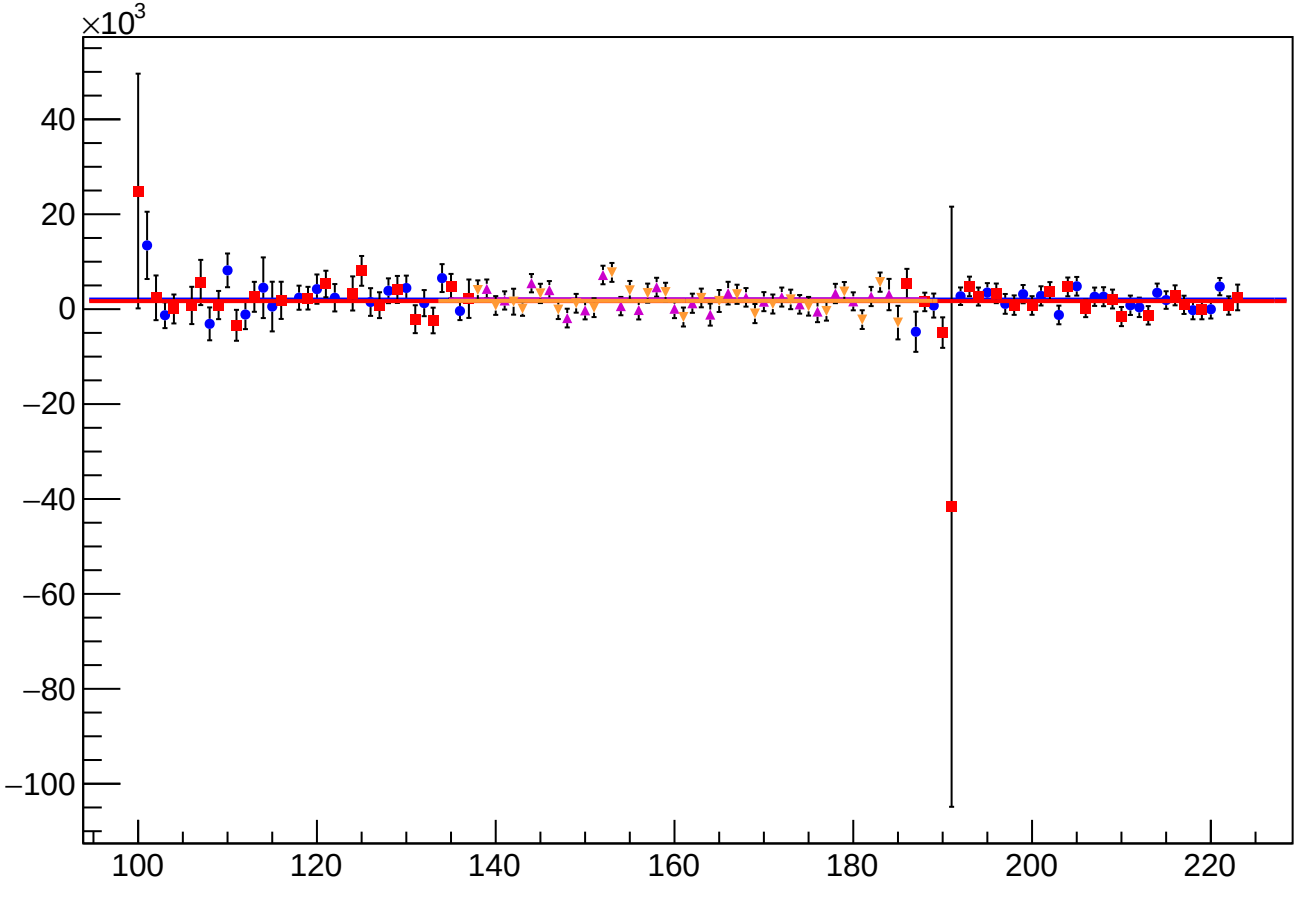
Right: 668.465+/-0.079 χ^2/NDF: 10855986.3/72

In: 555.730+/-0.069 χ^2/NDF:13353917.1/56

Out: 515.256+/-0.065 χ^2/NDF:16311316.7/63

All: 534.242+/-0.047 χ^2/NDF: 29846467.2/12

dit_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

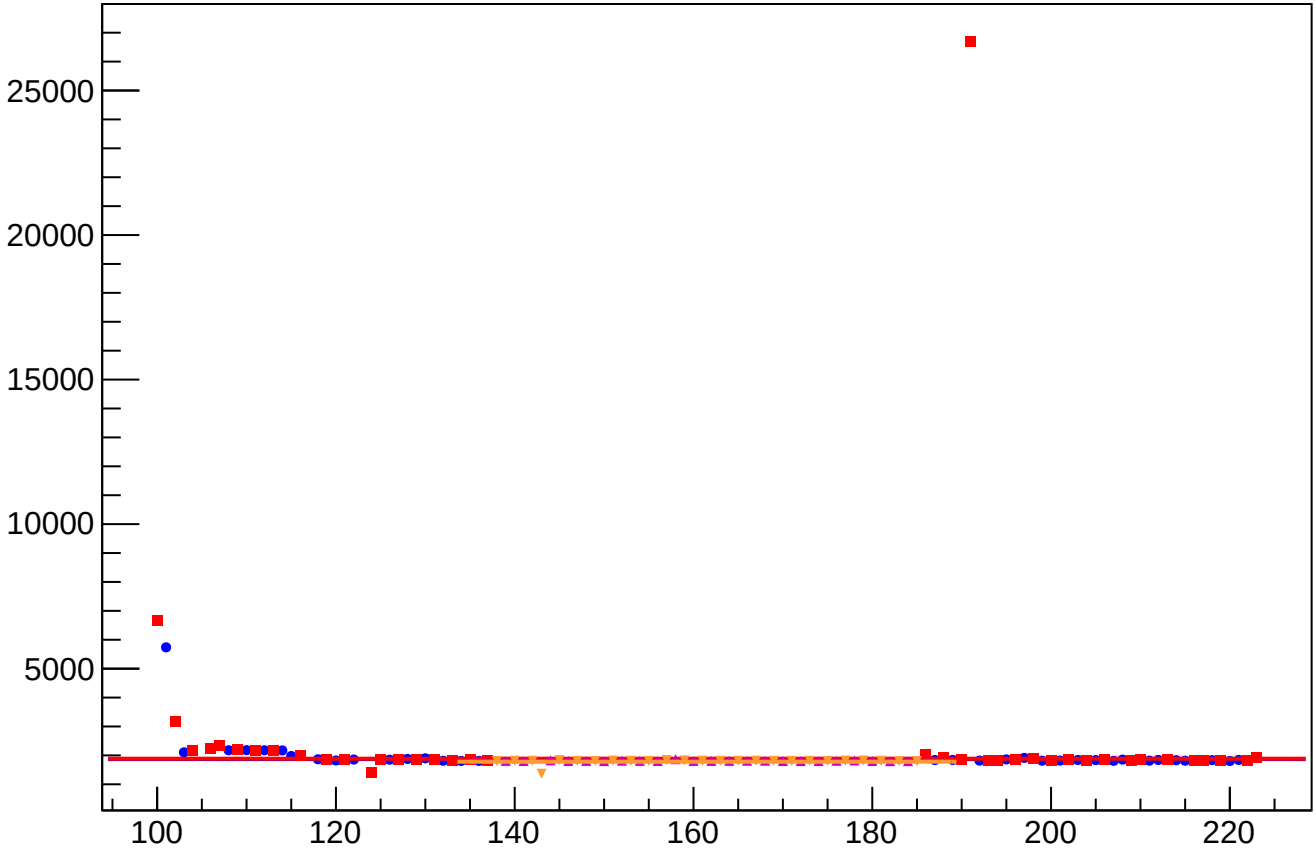
Right: 1859.178+/-283.032 χ^2/NDF: 69.6/72

In: 2048.892+/-291.398 χ^2/NDF:58.9/56

Out: 1723.992+/-284.408 χ^2/NDF:71.1/63

All: 1882.498+/-203.533 χ^2/NDF: 130.7/120

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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

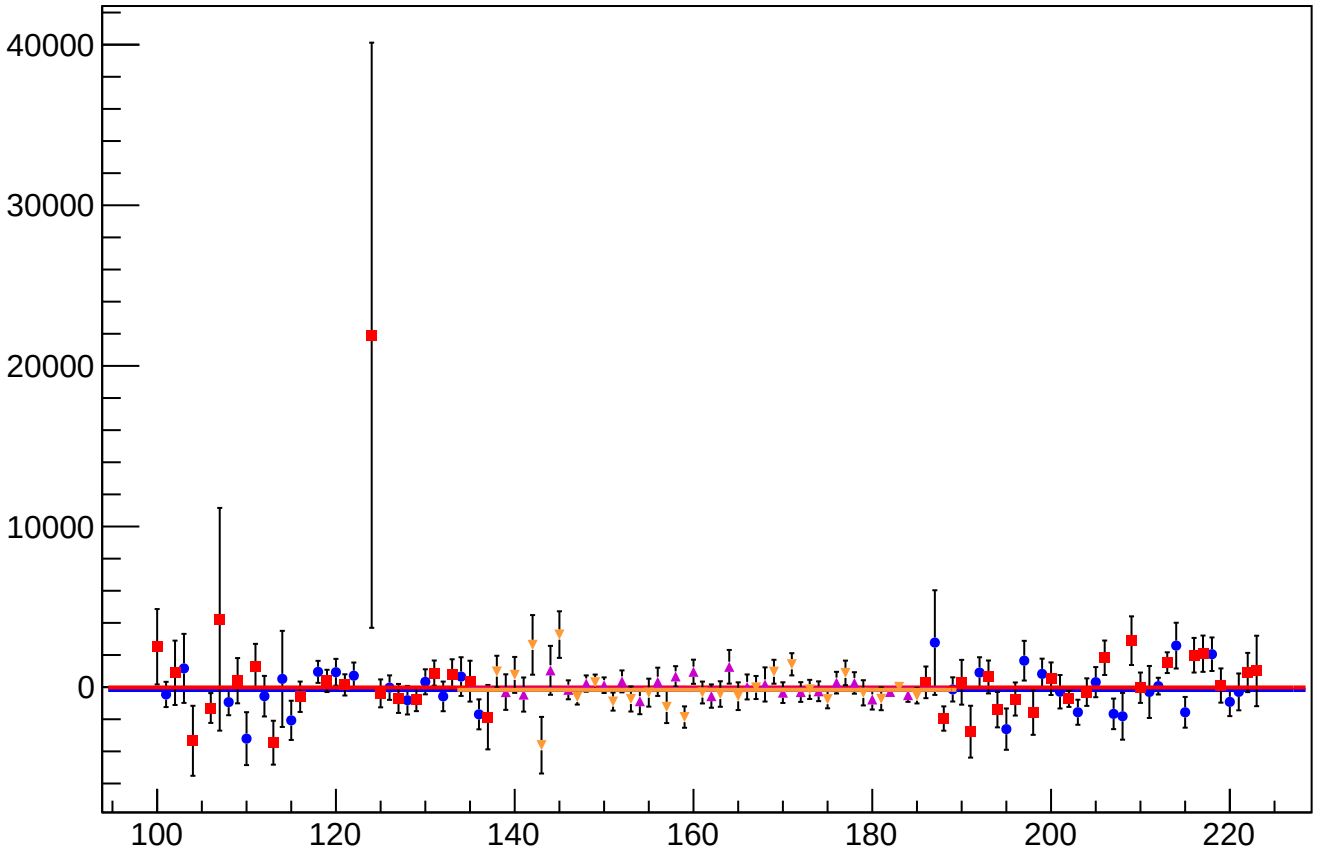
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1878.881+/-0.200 χ^2/NDF: 1397940.4/72

In: 1844.863+/-0.206 χ^2/NDF:708887.5/56

Out: 1834.025+/-0.201 χ^2/NDF:942156.9/63

All: 1839.312+/-0.144 χ^2/NDF: 1652461.2/12



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

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

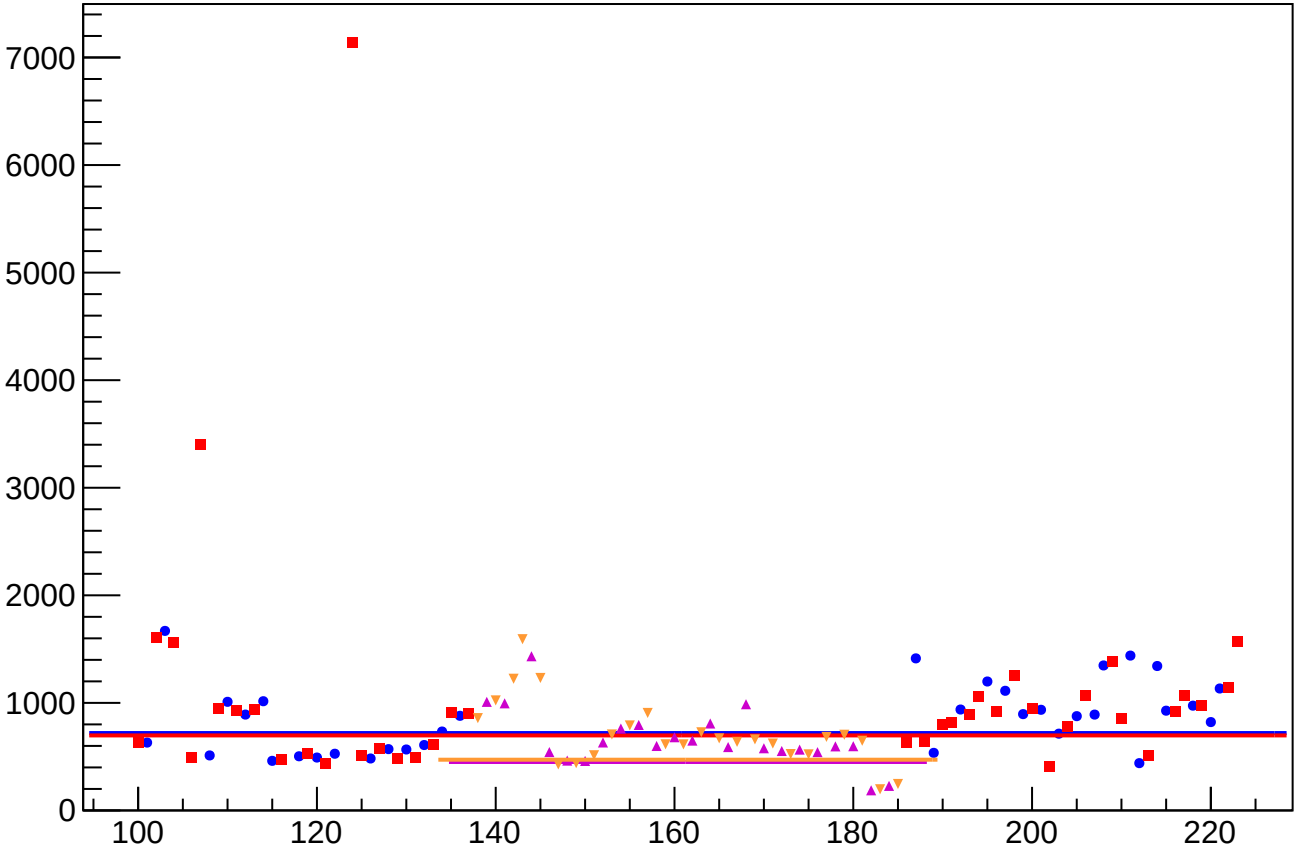
Right: -98.082+/-115.071 χ^2/NDF: 101.5/72

In: -138.742+/-96.796 χ^2/NDF:57.1/56

Out: -114.237+/-97.083 χ^2/NDF:95.1/63

All: -126.526+/-68.547 χ^2/NDF: 152.3/120

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



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

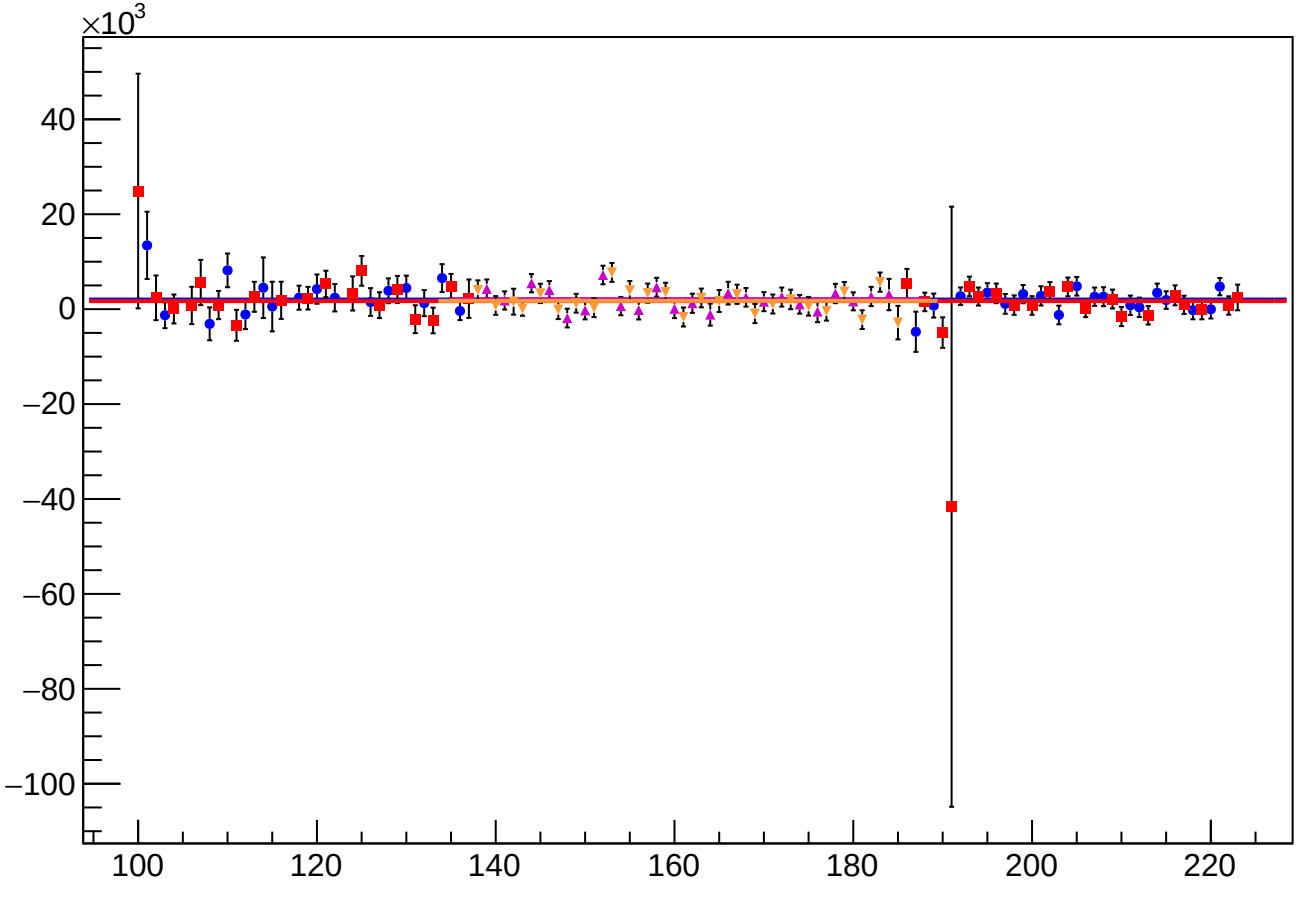
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 708.335+/-0.081 χ^2/NDF: 11043097.7/72

In: 543.912+/-0.068 χ^2/NDF:16349828.8/56

Out: 553.715+/-0.069 χ^2/NDF:16713338.3/63

All: 548.799+/-0.048 χ^2/NDF: 33073394.6/12



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

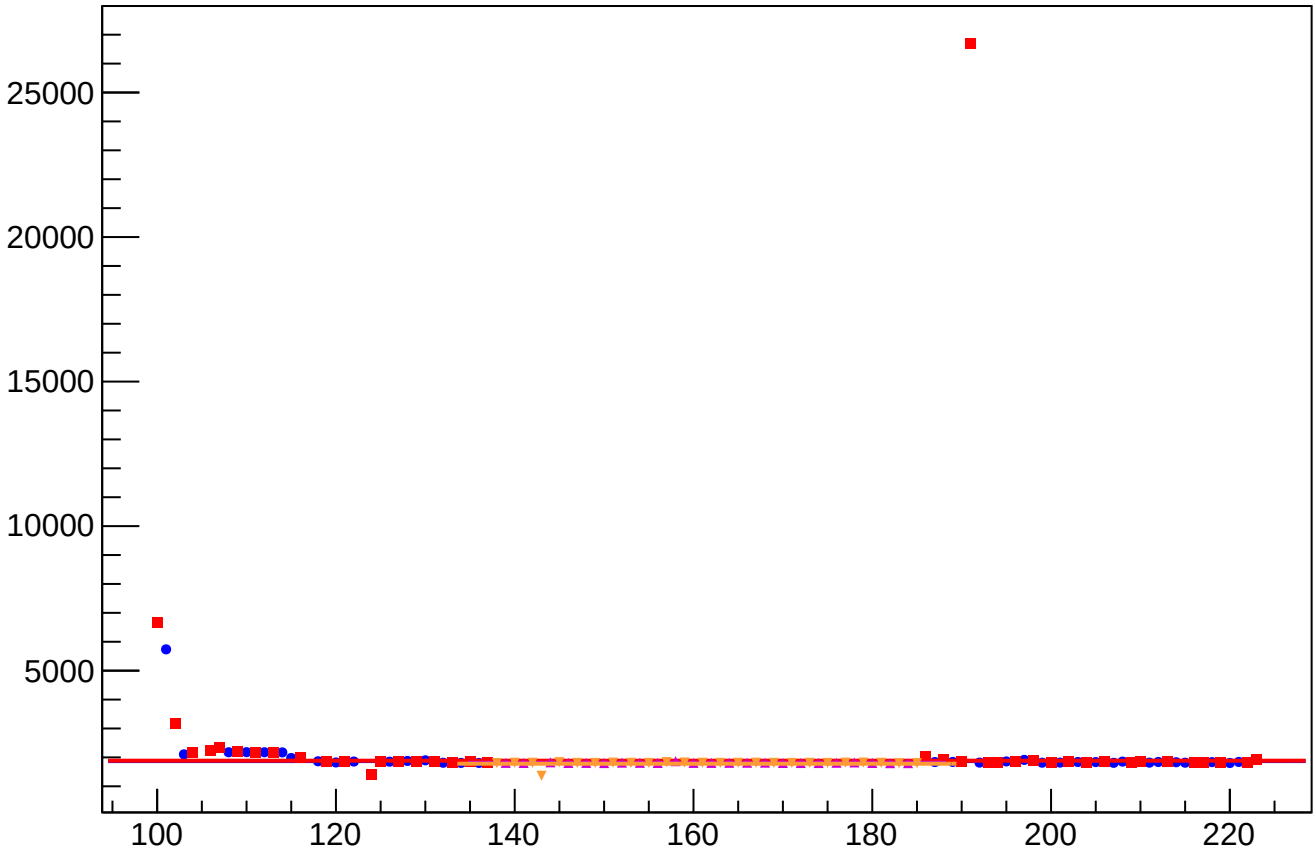
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1859.177+/-283.032 χ^2/NDF: 69.6/72

In: 2048.892+/-291.398 χ^2/NDF:58.9/56

Out: 1723.991+/-284.408 χ^2/NDF:71.1/63

All: 1882.498+/-203.533 χ^2/NDF: 130.7/120



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

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

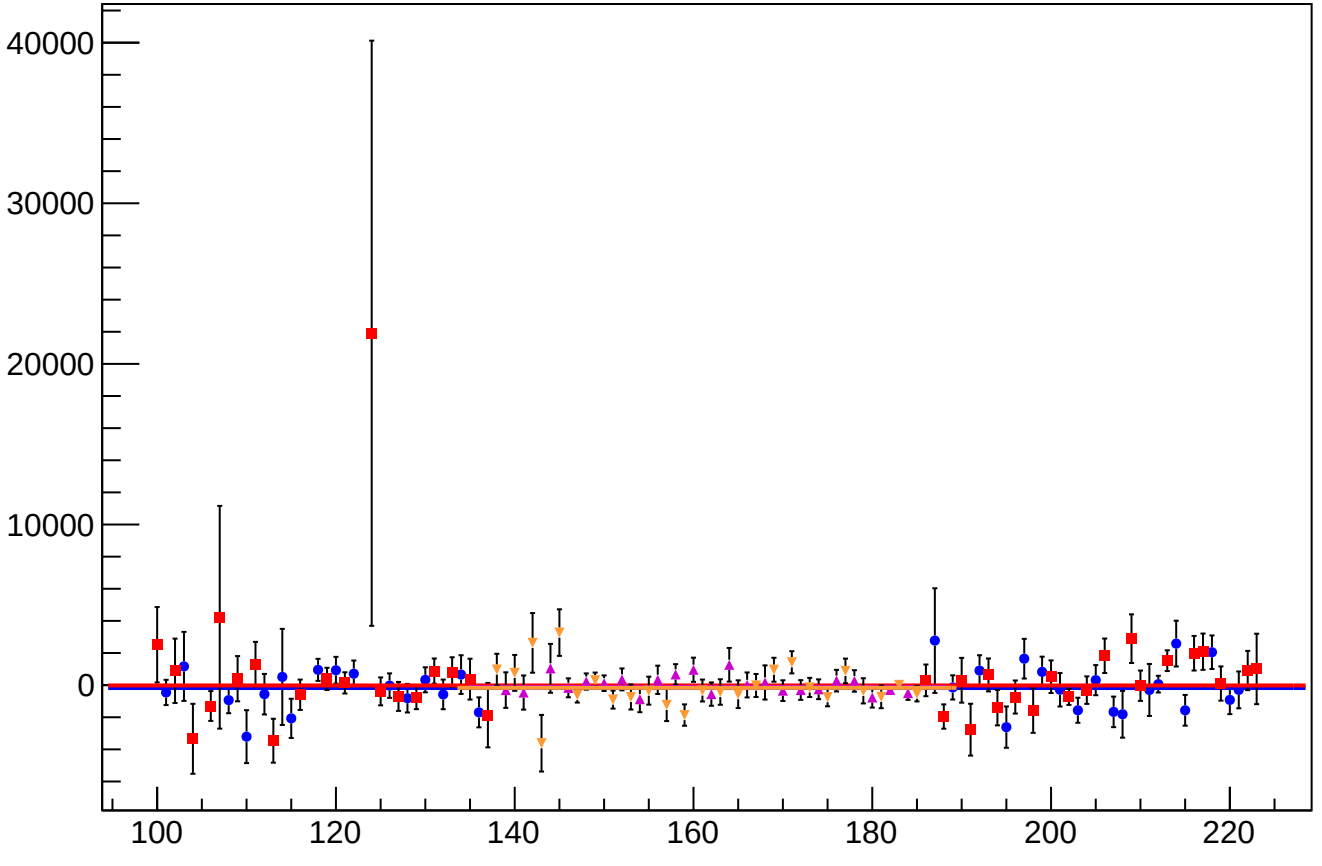
Right: 1878.881+/-0.200 χ^2/NDF: 1397938.5/72

In: 1844.863+/-0.206 χ^2/NDF:708887.1/56

Out: 1834.025+/-0.201 χ^2/NDF:942155.4/63

All: 1839.312+/-0.144 χ^2/NDF: 1652459.1/12

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

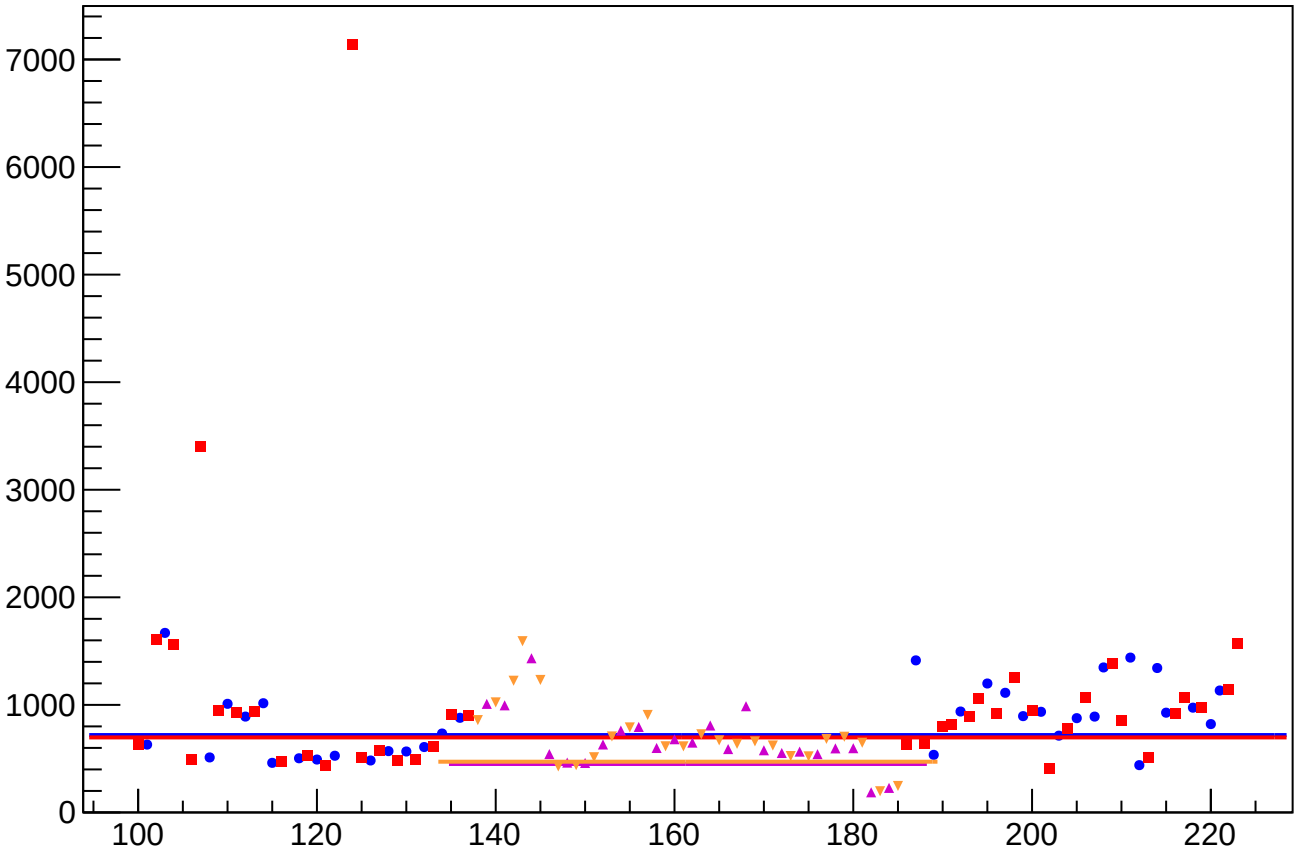
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -98.083+/-115.071 χ^2/NDF: 101.5/72

In: -138.742+/-96.796 χ^2/NDF:57.1/56

Out: -114.238+/-97.083 χ^2/NDF:95.1/63

All: -126.526+/-68.547 χ^2/NDF: 152.3/120



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

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

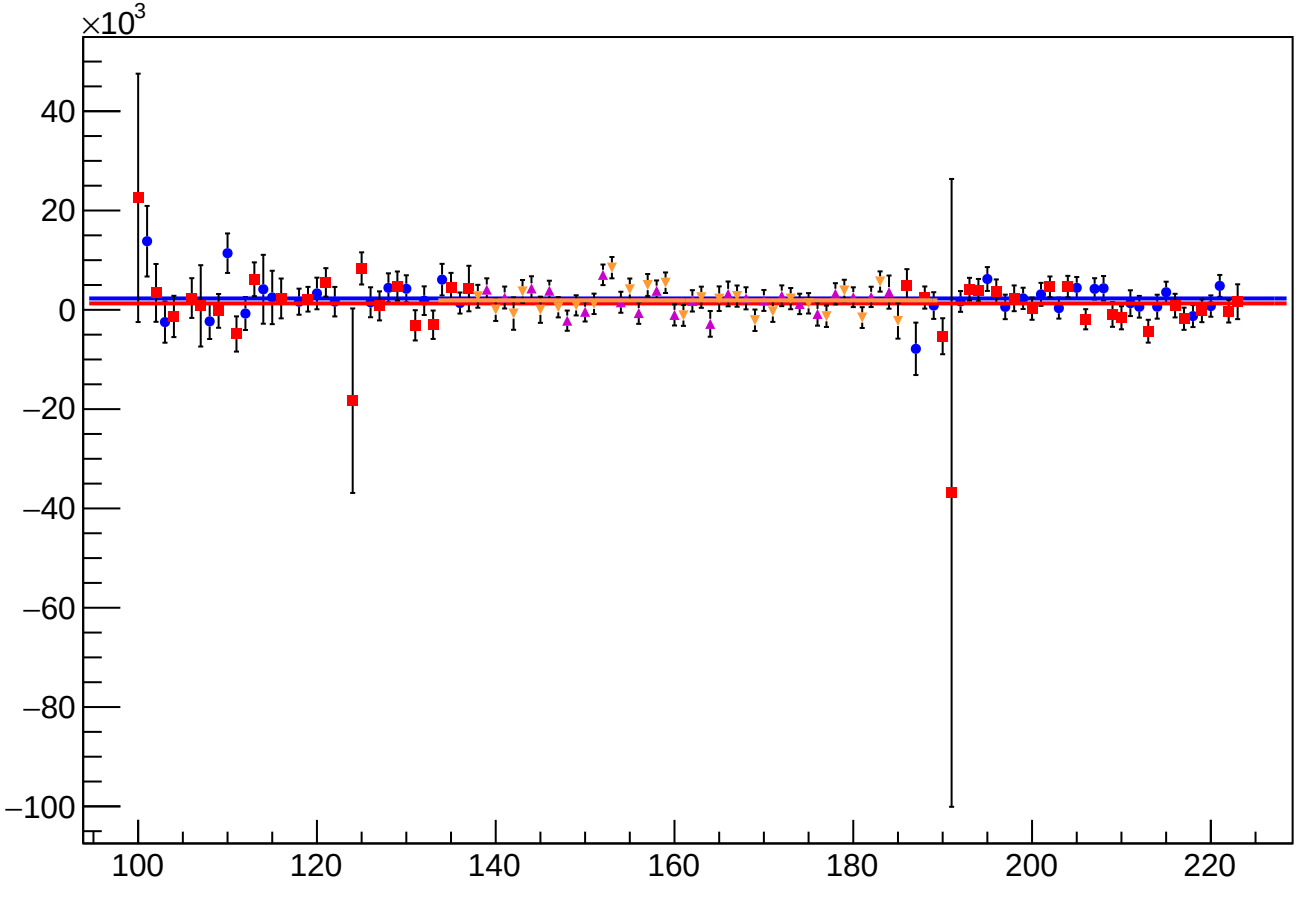
Right: 708.335+/-0.081 χ^2/NDF: 11043161.2/72

In: 543.913+/-0.068 χ^2/NDF:16349818.1/56

Out: 553.716+/-0.069 χ^2/NDF:16713344.8/63

All: 548.800+/-0.048 χ^2/NDF: 33073390.1/12

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

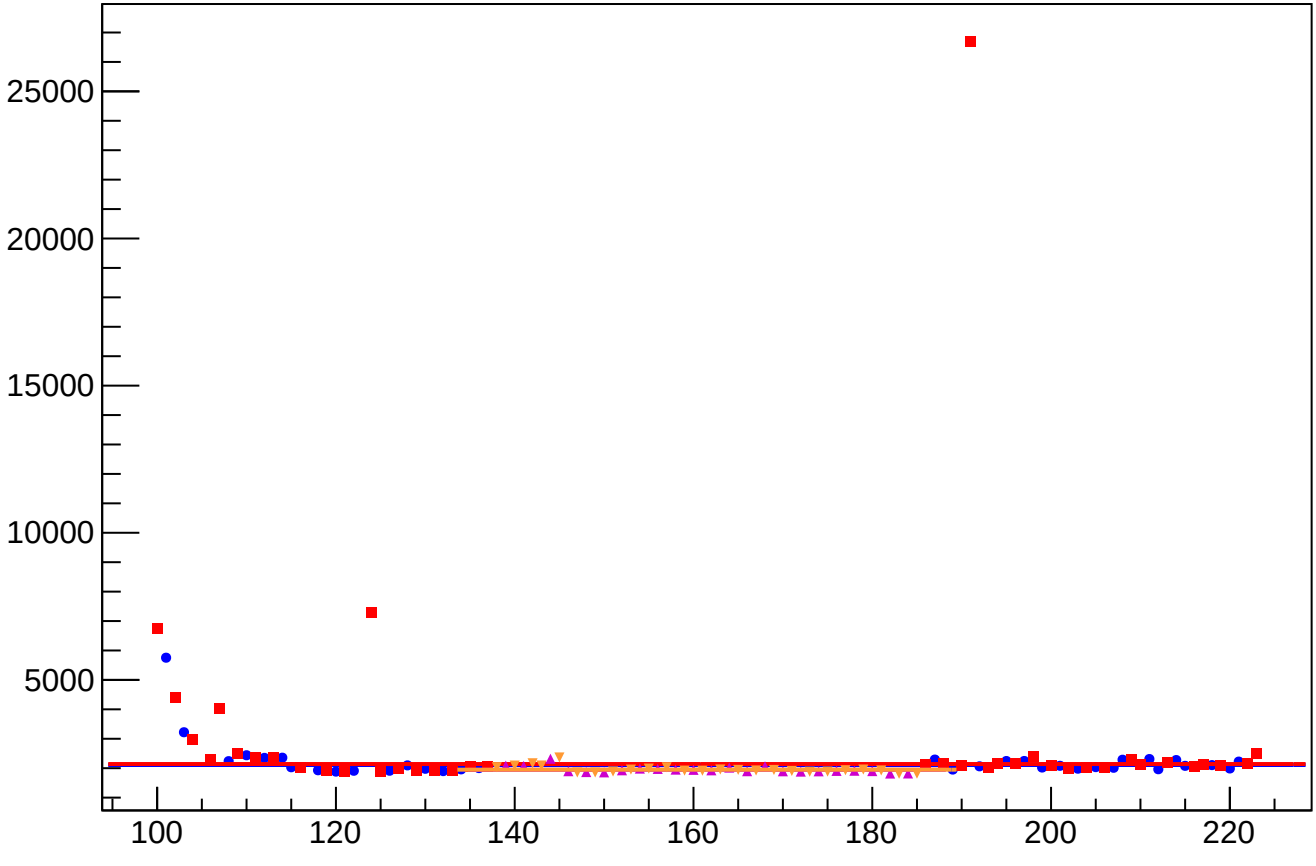
Right: 1793.679+/-321.285 χ^2/NDF: 84.0/72

In: 2109.164+/-321.160 χ^2/NDF:56.4/56

Out: 1608.139+/-317.678 χ^2/NDF:87.5/63

All: 1855.921+/-225.853 χ^2/NDF: 145.1/120

asym_at1_avg_rms vs Slug, Sign Corrected



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

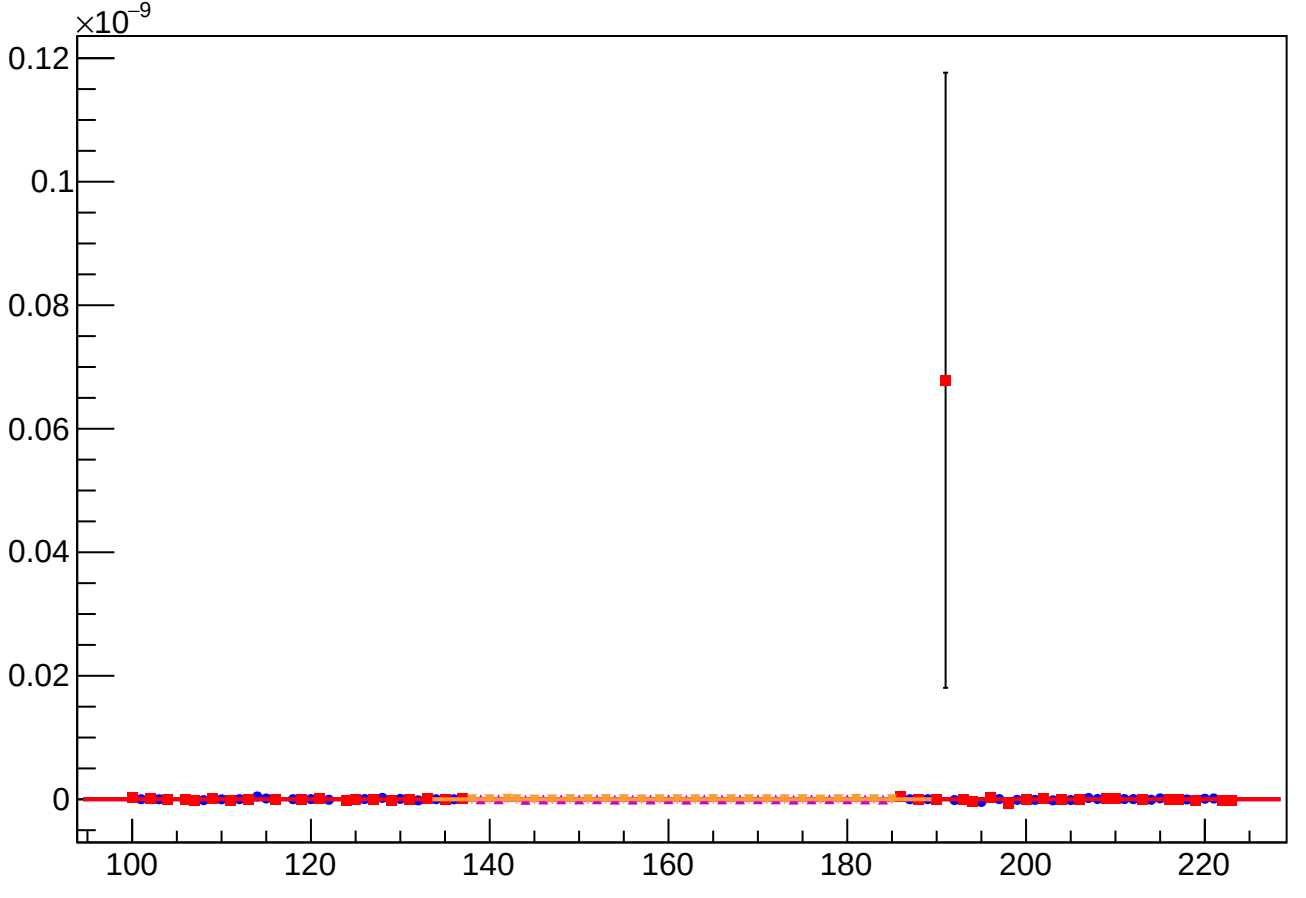
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2124.871+/-0.227 χ^2/NDF: 2070481.1/72

In: 2027.128+/-0.227 χ^2/NDF:1077822.9/56

Out: 2042.615+/-0.225 χ^2/NDF:1504533.7/63

All: 2034.956+/-0.160 χ^2/NDF: 2584707.4/12



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

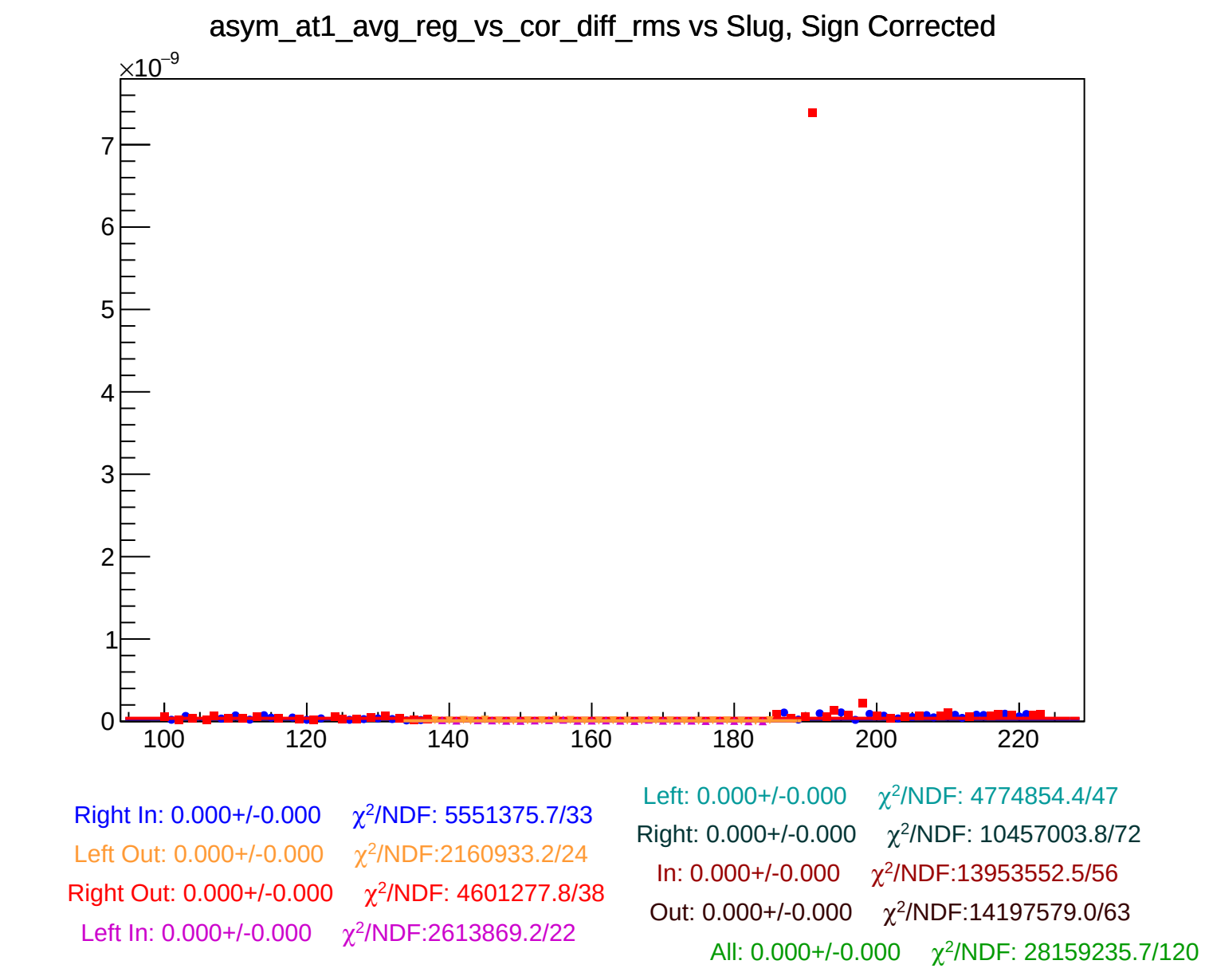
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

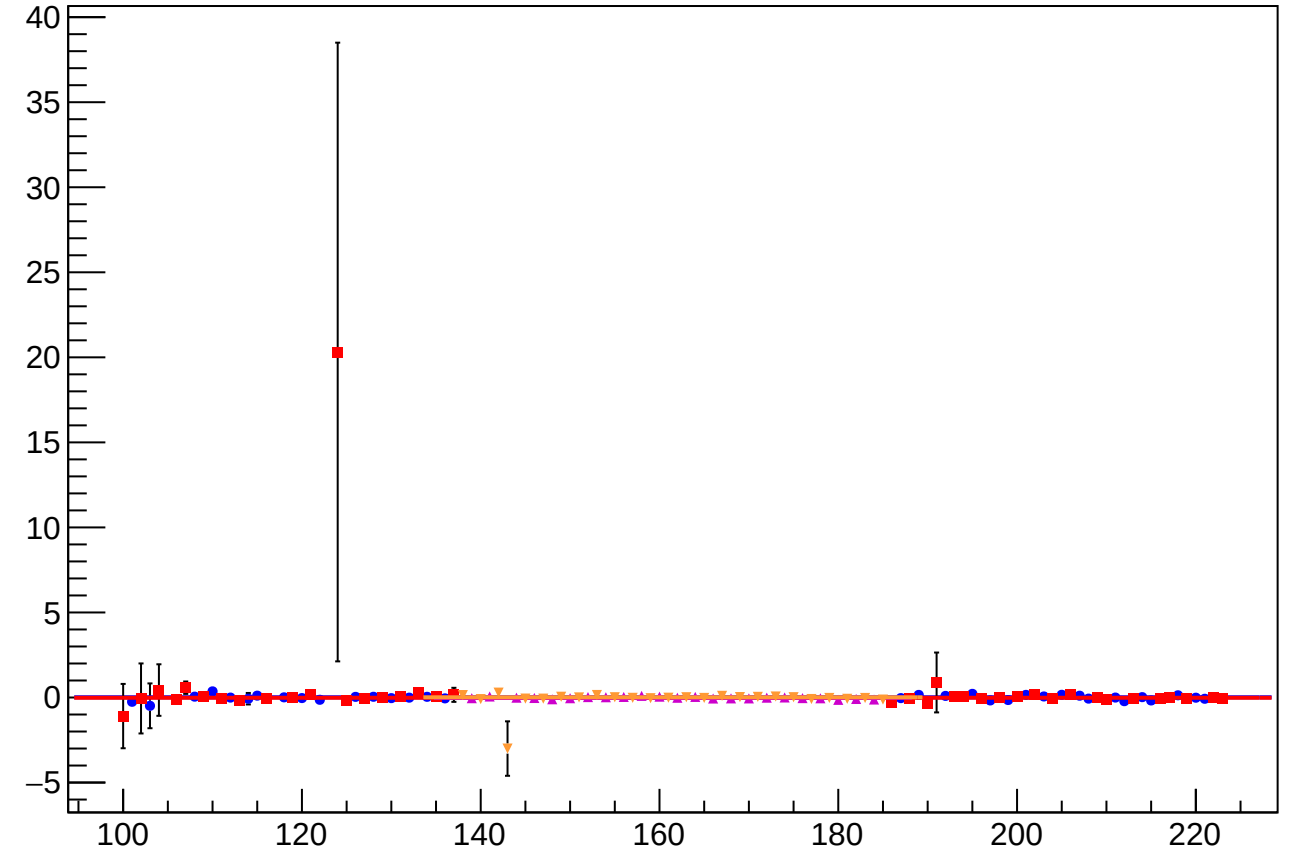
Right: 0.000+/-0.000 χ^2/NDF: 74.4/72

In: -0.000+/-0.000 χ^2/NDF:69.2/56

Out: 0.000+/-0.000 χ^2/NDF:66.2/63

All: -0.000+/-0.000 χ^2/NDF: 135.9/120


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5551375.7/33
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4601277.8/38
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 10457003.8/72
In: 0.000+/-0.000 χ²/NDF:13953552.5/56
Out: 0.000+/-0.000 χ²/NDF:14197579.0/63
All: 0.000+/-0.000 χ²/NDF: 28159235.7/120



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

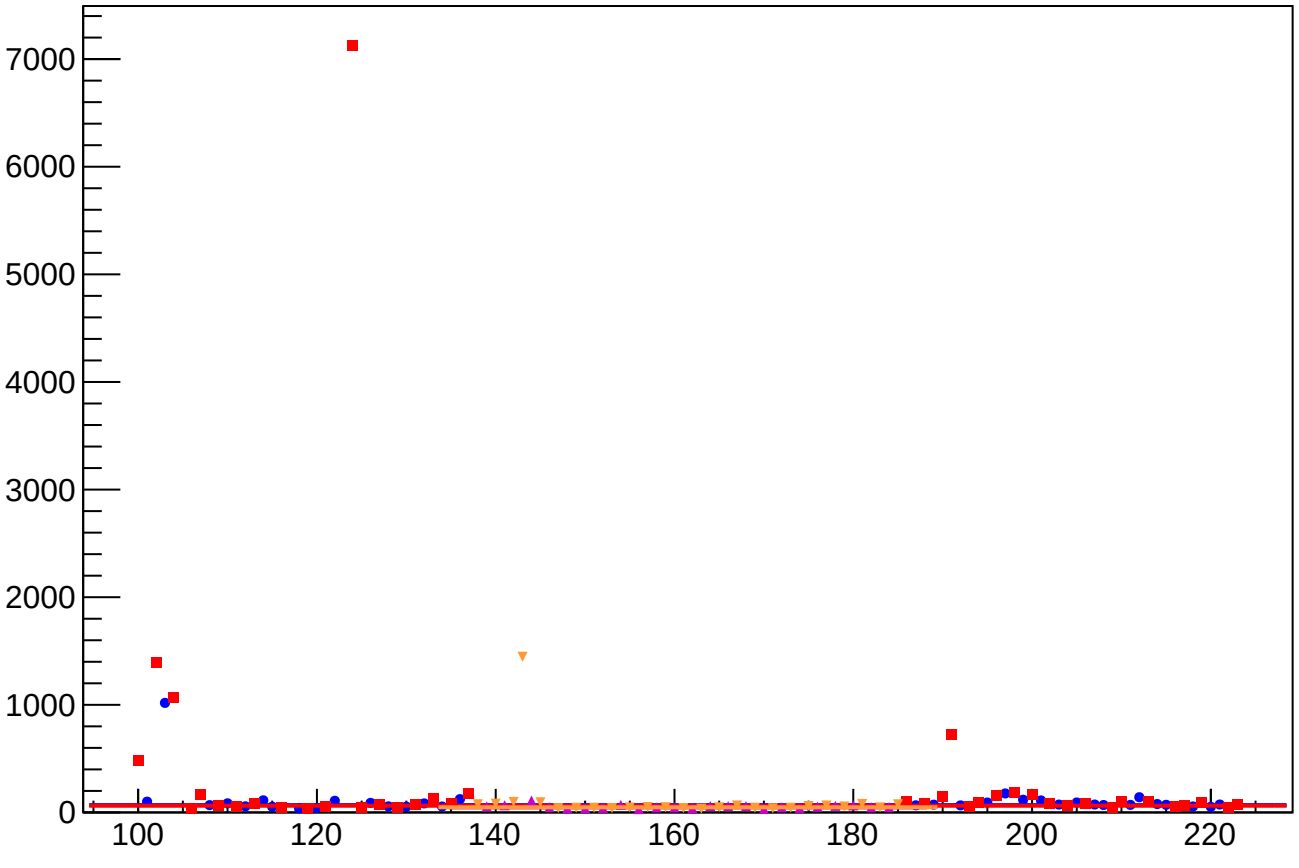
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.001+/-0.012 χ^2/NDF: 69.2/72

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.002+/-0.010 χ^2/NDF:63.5/63

All: -0.003+/-0.007 χ^2/NDF: 122.0/120



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

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

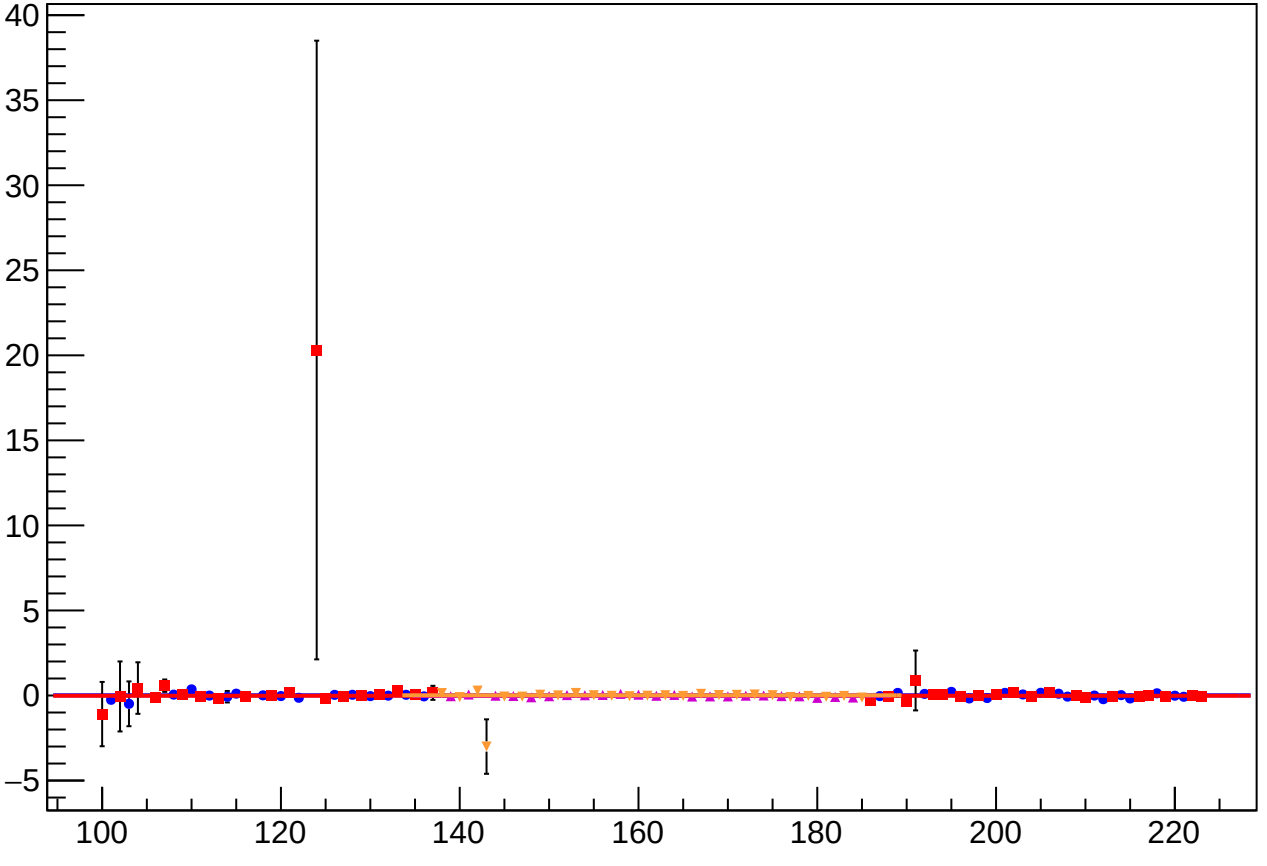
Right: 65.355+/-0.008 χ^2/NDF: 11617695.4/72

In: 53.982+/-0.007 χ^2/NDF:8424421.6/56

Out: 53.396+/-0.007 χ^2/NDF:11647764.5/63

All: 53.688+/-0.005 χ^2/NDF: 20075664.2/120

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

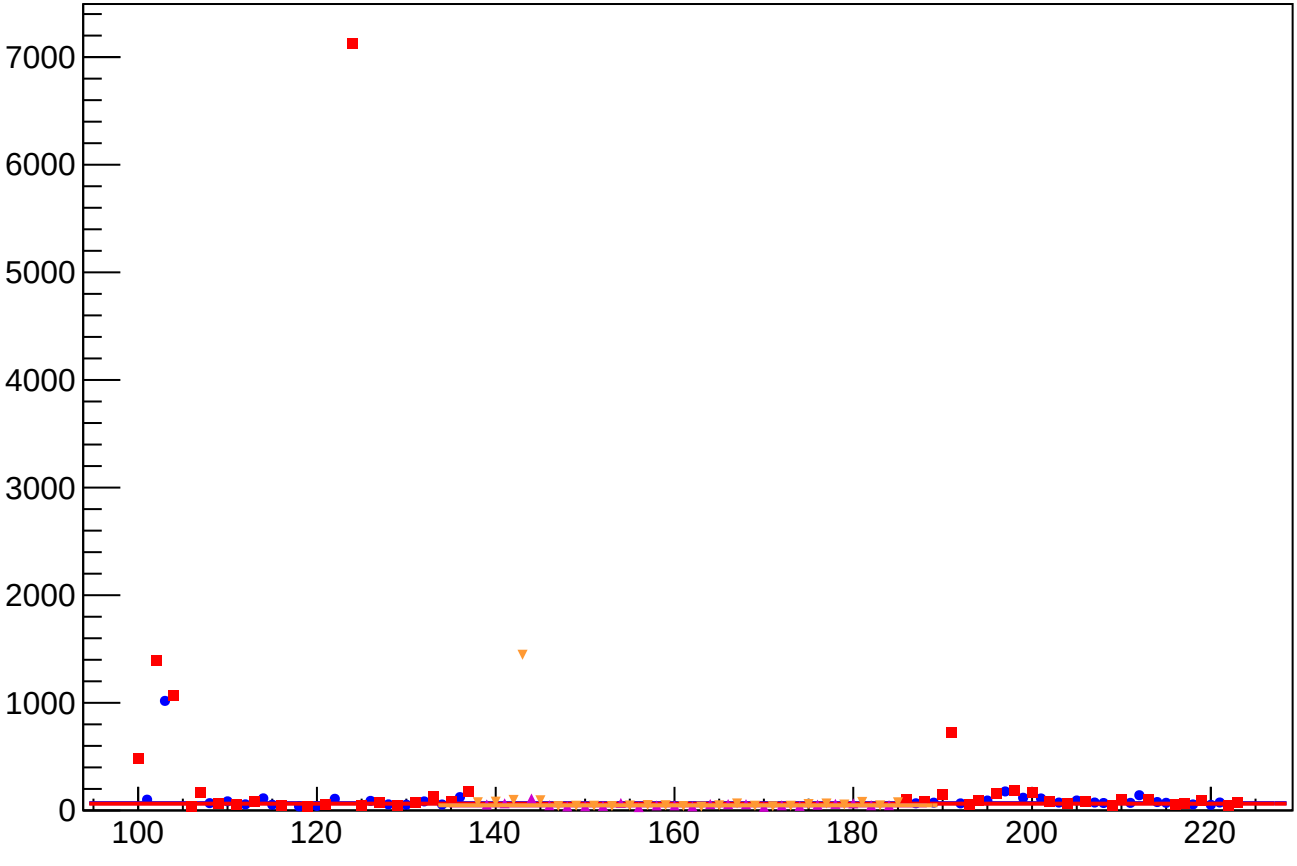
Right: -0.001+/-0.012 χ^2/NDF: 69.2/72

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.002+/-0.010 χ^2/NDF:63.5/63

All: -0.003+/-0.007 χ^2/NDF: 122.0/120

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

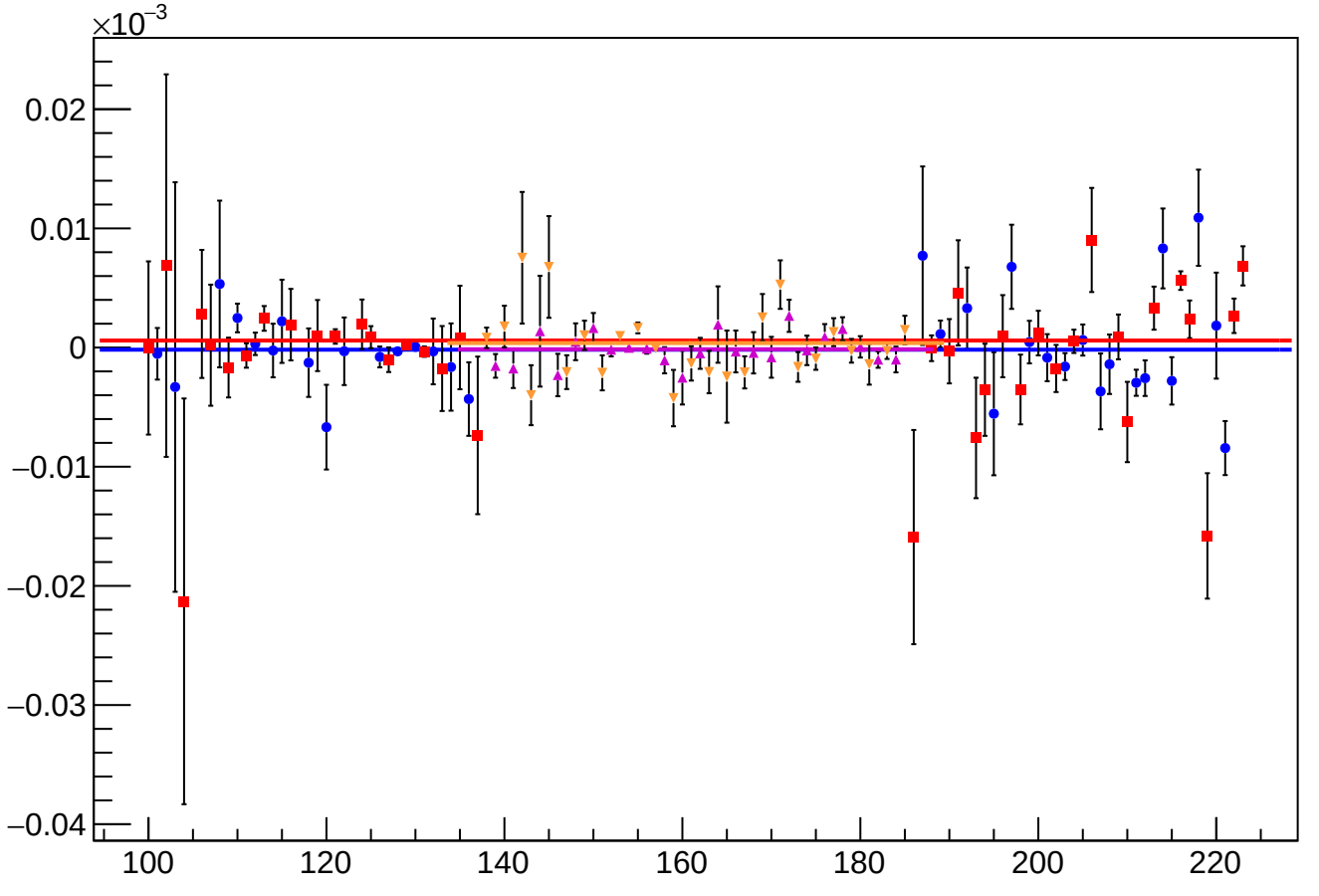
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.355+/-0.008 χ^2/NDF: 11617695.4/72

In: 53.982+/-0.007 χ^2/NDF:8424421.6/56

Out: 53.396+/-0.007 χ^2/NDF:11647764.5/63

All: 53.688+/-0.005 χ^2/NDF: 20075664.2/120



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

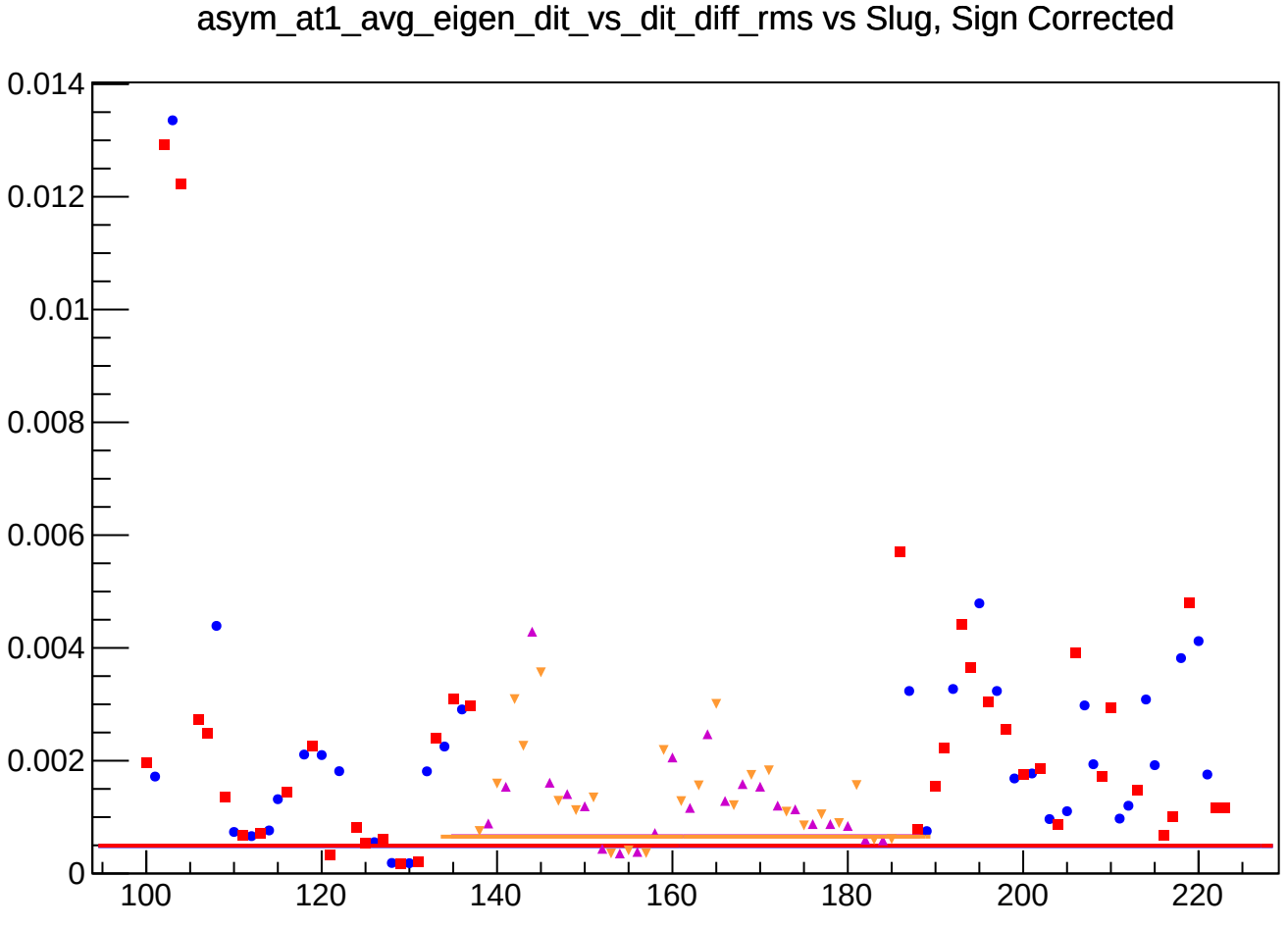
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 183.7/72

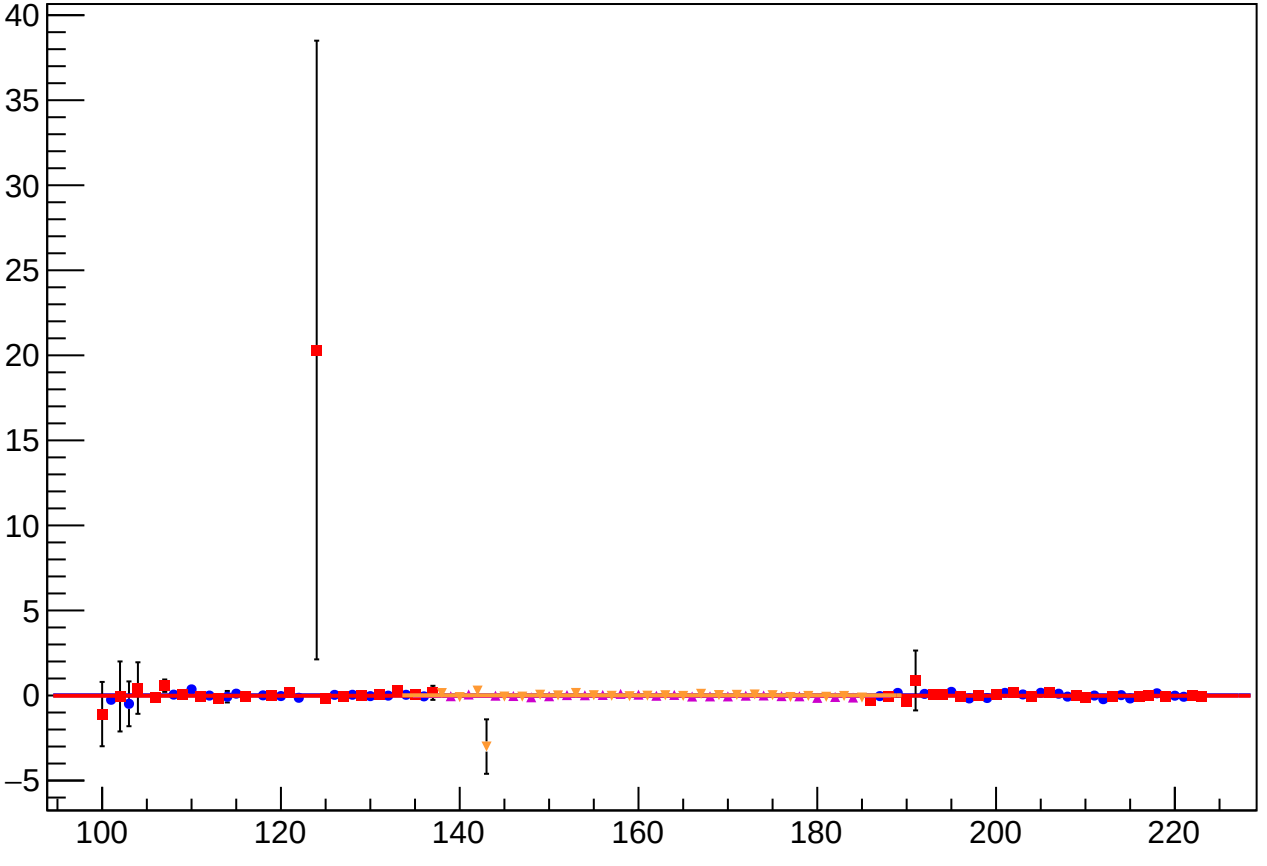
In: -0.000+/-0.000 χ^2/NDF:83.4/56

Out: 0.000+/-0.000 χ^2/NDF:163.0/63

All: 0.000+/-0.000 χ^2/NDF: 259.6/120


asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 25648296.3/33
Left Out: 0.001+/-0.000 χ²/NDF:12083891.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 24031399.1/38
Left In: 0.001+/-0.000 χ²/NDF:9695095.3/22
Left: 0.001+/-0.000 χ²/NDF: 21780521.8/47
Right: 0.000+/-0.000 χ²/NDF: 49681148.6/72
In: 0.001+/-0.000 χ²/NDF:36253314.0/56
Out: 0.001+/-0.000 χ²/NDF:36930239.9/63
All: 0.001+/-0.000 χ²/NDF: 73183566.6/120

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

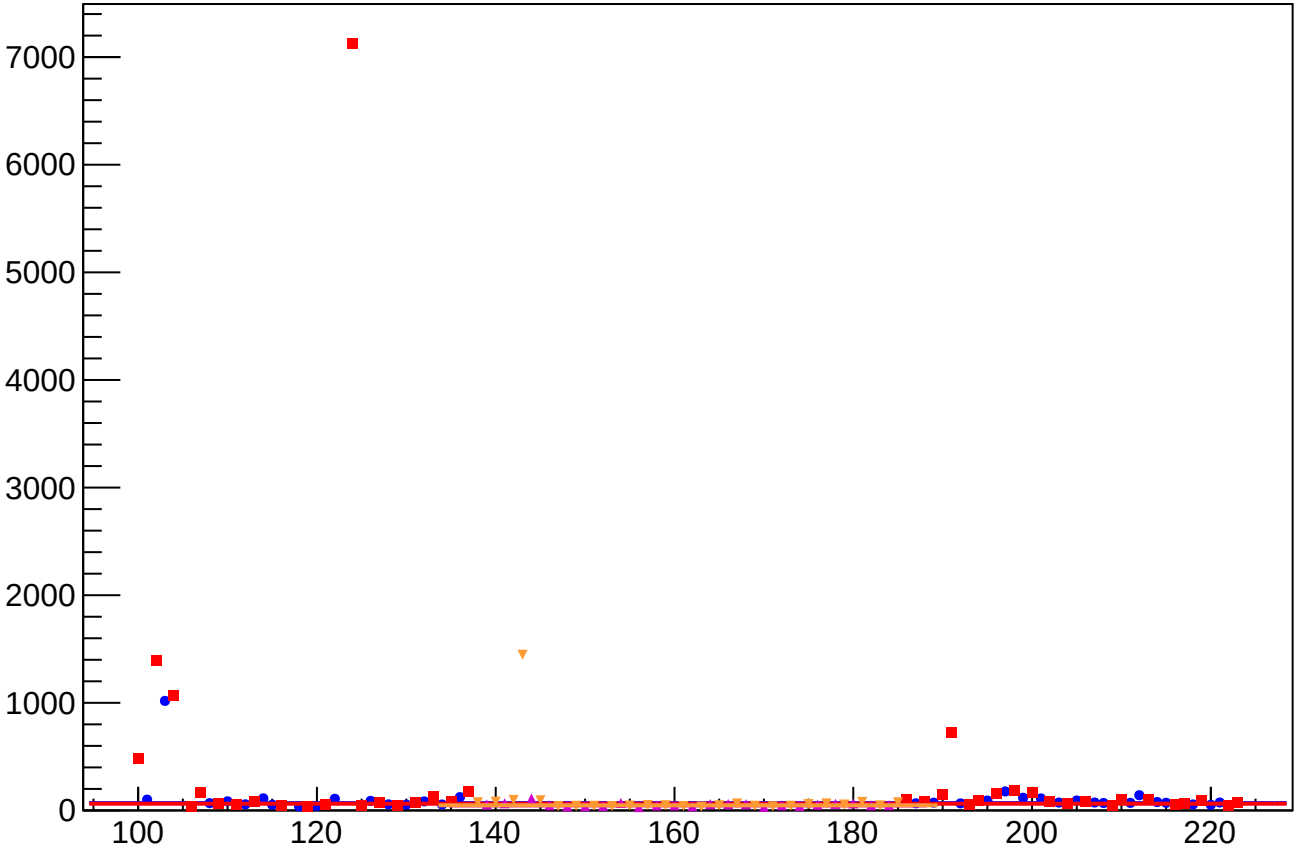
Right: -0.001+/-0.012 χ^2/NDF: 69.2/72

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.002+/-0.010 χ^2/NDF:63.5/63

All: -0.003+/-0.007 χ^2/NDF: 122.0/120

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

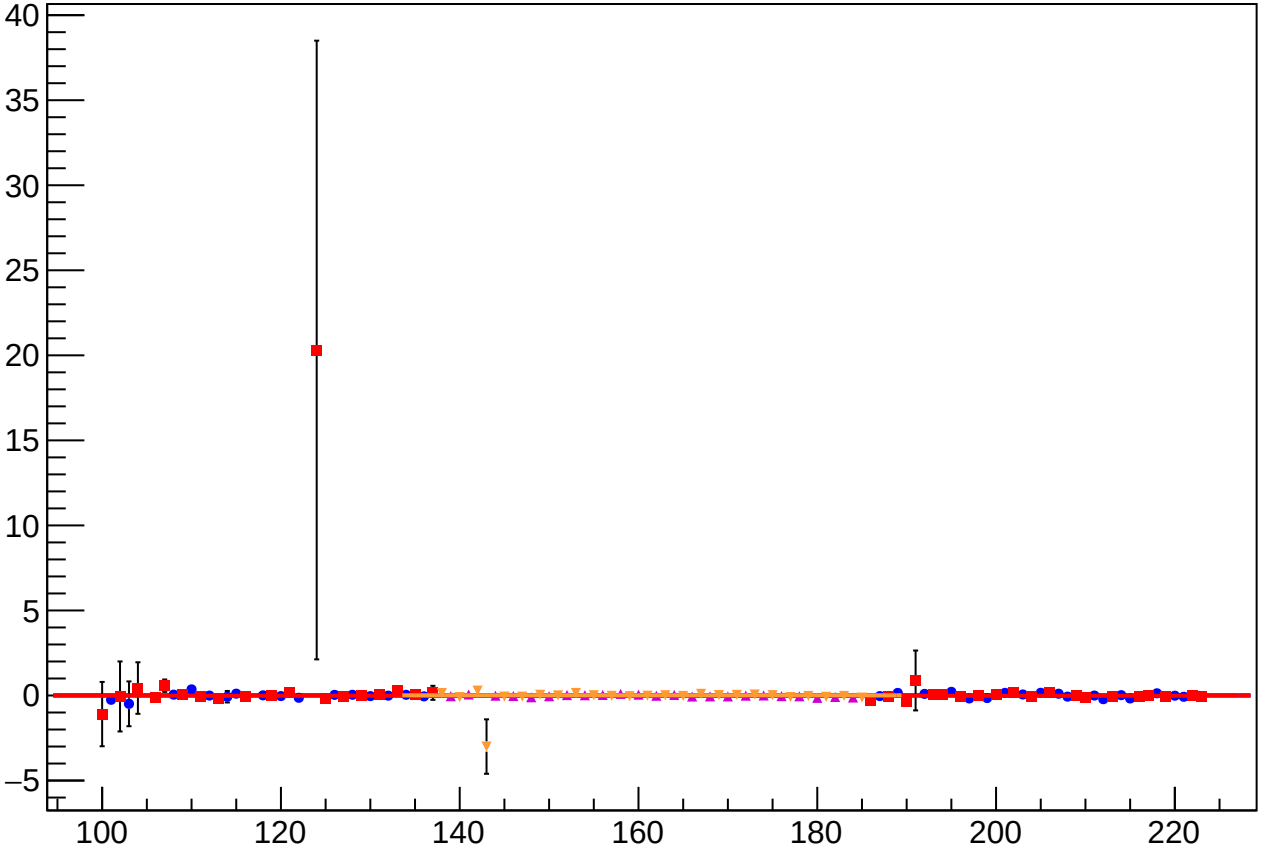
Right: 65.354+/-0.008 χ^2/NDF: 11618004.7/72

In: 53.982+/-0.007 χ^2/NDF:8424507.2/56

Out: 53.396+/-0.007 χ^2/NDF:11647805.1/63

All: 53.688+/-0.005 χ^2/NDF: 20075790.9/120

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

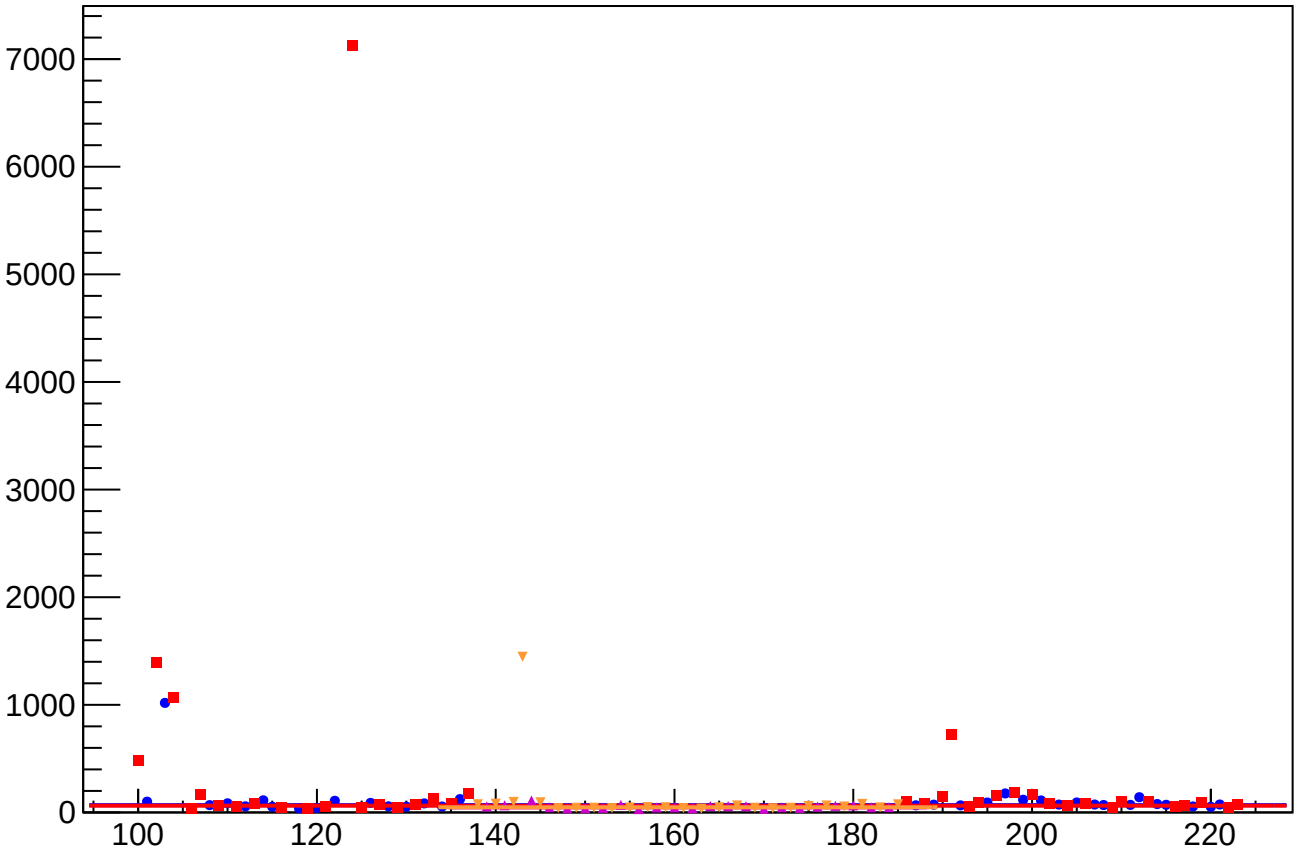
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.001+/-0.012 χ^2/NDF: 69.2/72

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.002+/-0.010 χ^2/NDF:63.5/63

All: -0.003+/-0.007 χ^2/NDF: 122.0/120



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

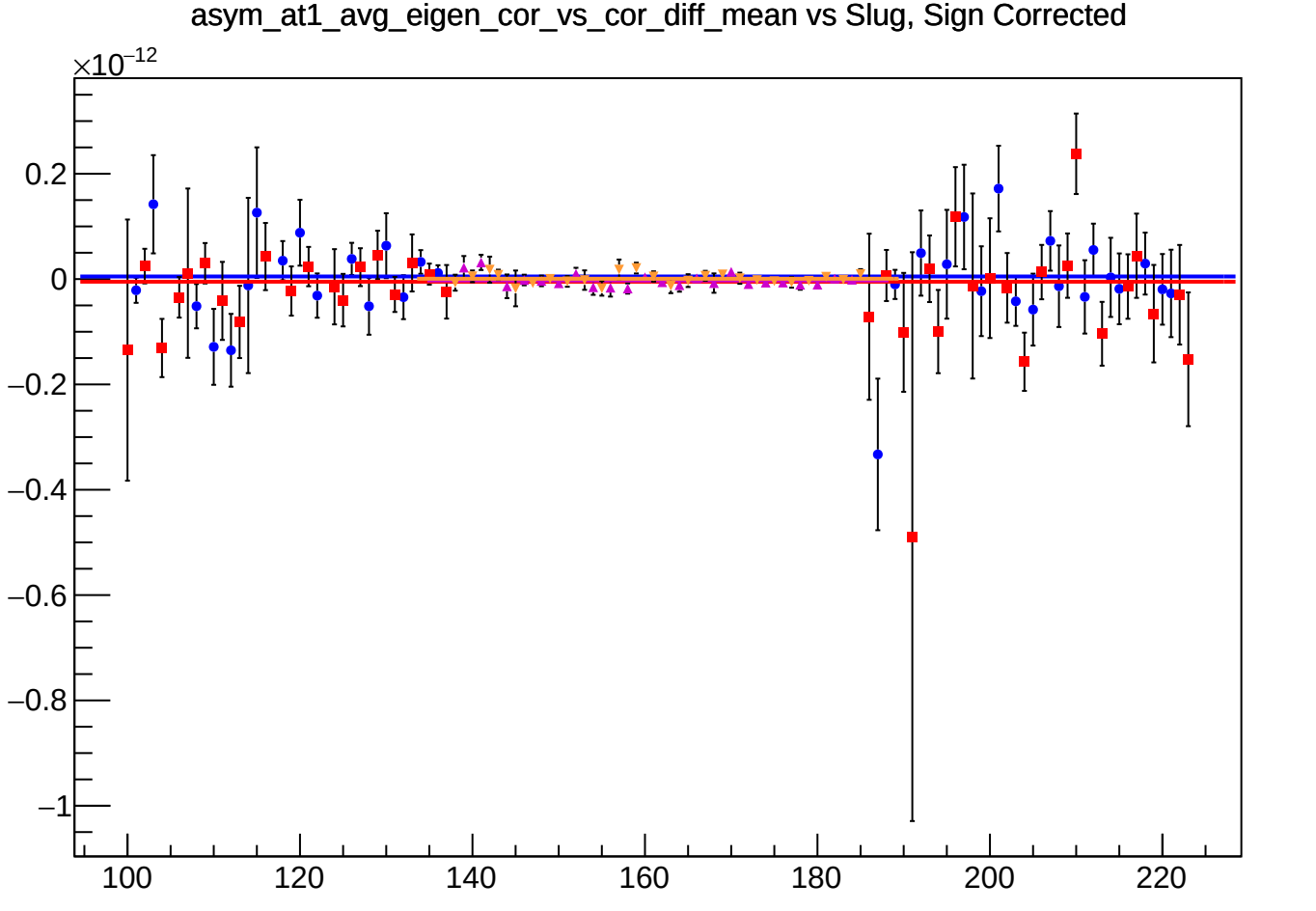
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 65.354+/-0.008 χ^2/NDF: 11618004.7/72

In: 53.982+/-0.007 χ^2/NDF:8424507.2/56

Out: 53.396+/-0.007 χ^2/NDF:11647805.1/63

All: 53.688+/-0.005 χ^2/NDF: 20075790.9/120



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

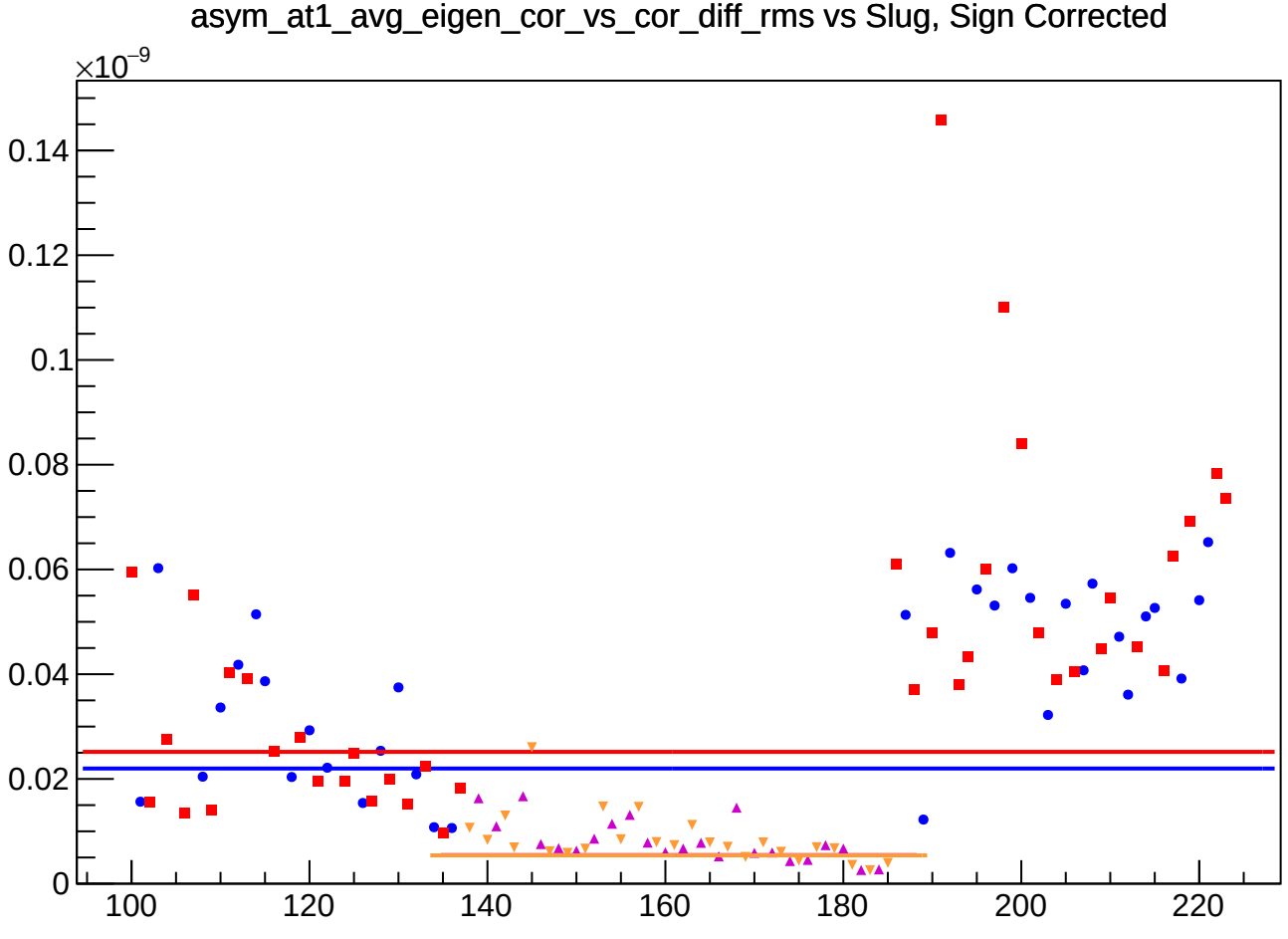
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 82.9/72

In: -0.000+/-0.000 χ^2/NDF:62.4/56

Out: 0.000+/-0.000 χ^2/NDF:58.0/63

All: -0.000+/-0.000 χ^2/NDF: 121.7/120



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

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

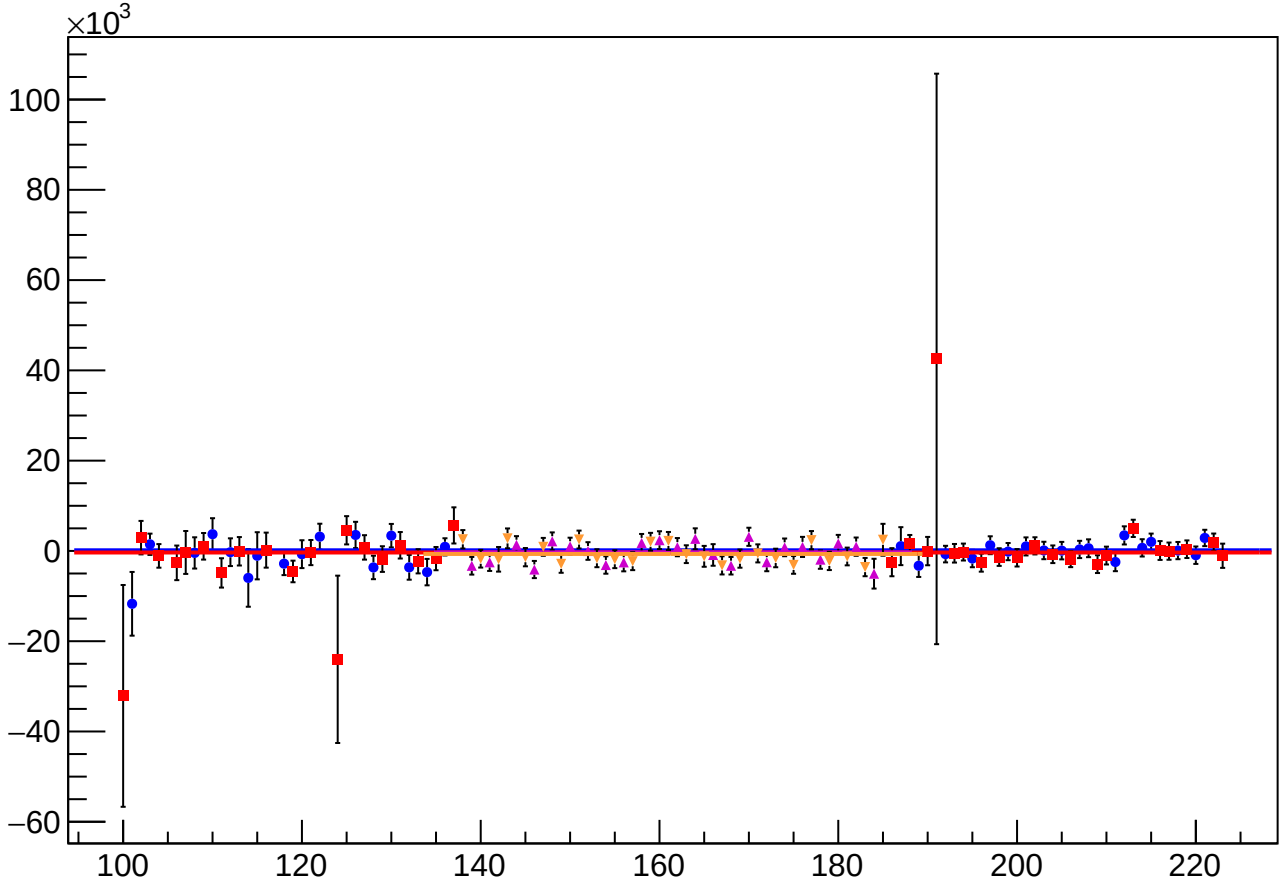
Right: 0.000+/-0.000 χ^2/NDF: 15890551.9/72

In: 0.000+/-0.000 χ^2/NDF:22516939.2/56

Out: 0.000+/-0.000 χ^2/NDF:23167484.6/63

All: 0.000+/-0.000 χ^2/NDF: 45694898.8/120

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

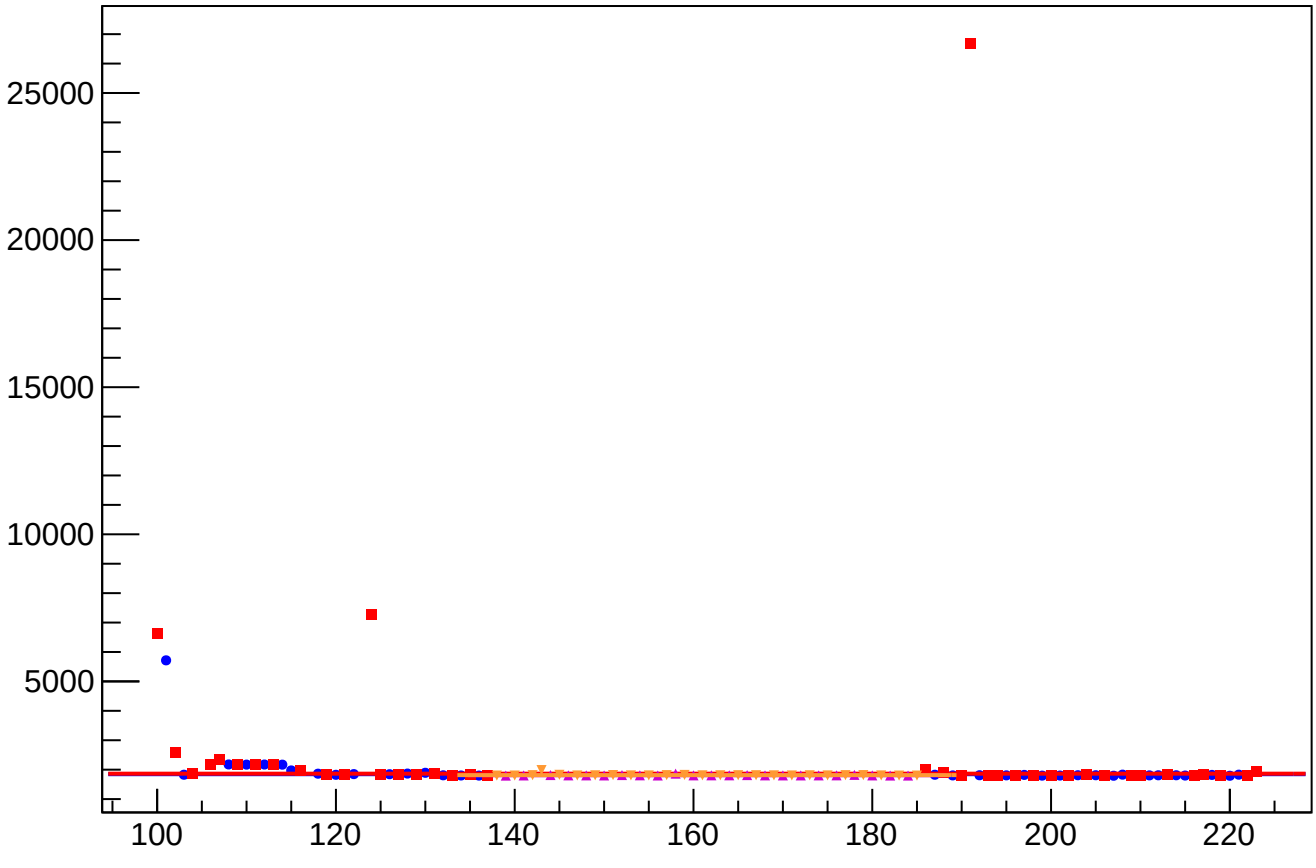
Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

Right: -104.310+/-279.290 χ^2/NDF: 62.5/72

In: -85.434+/-288.874 χ^2/NDF:60.0/56

Out: -501.380+/-284.921 χ^2/NDF:57.6/63

All: -296.272+/-202.853 χ^2/NDF: 118.6/120



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

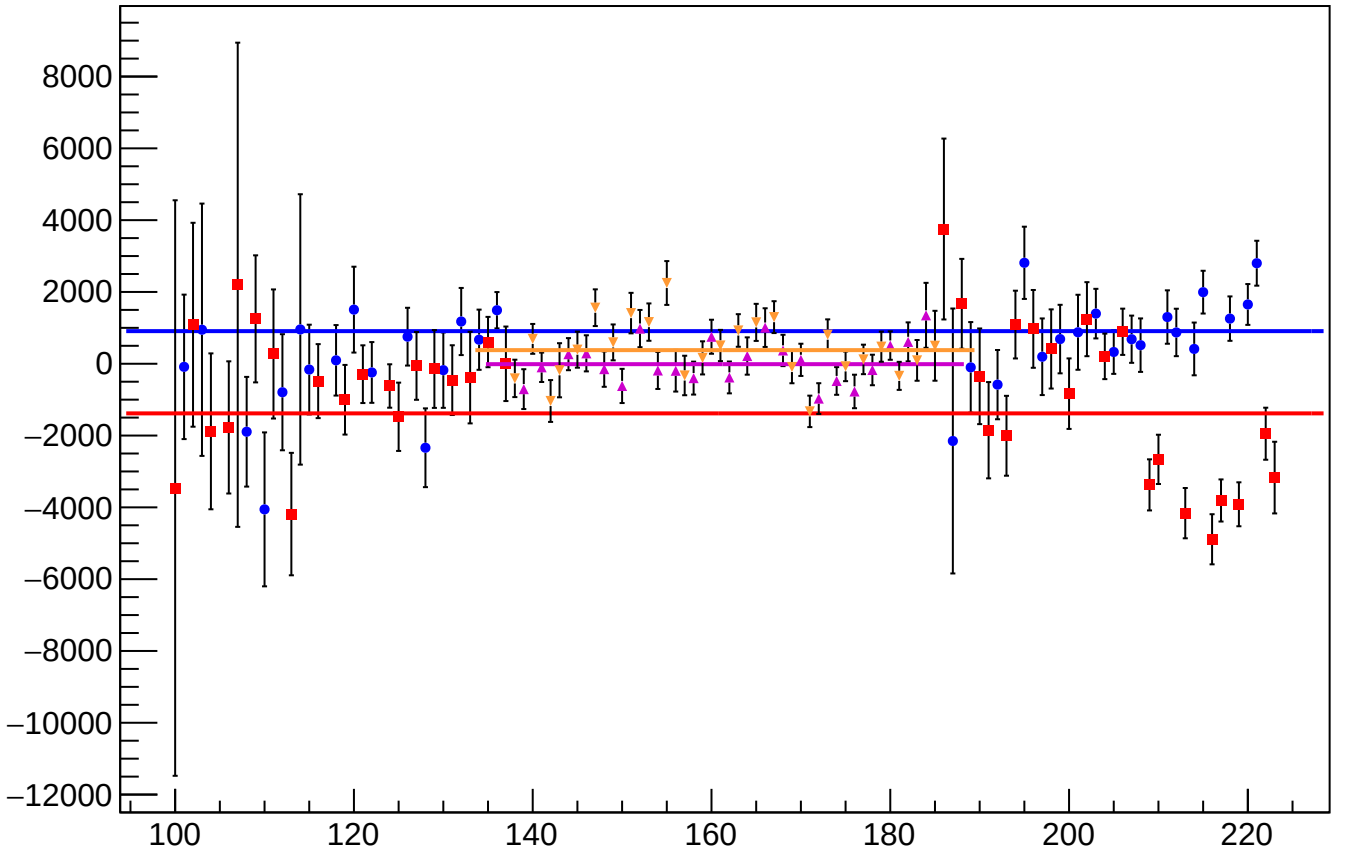
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1854.692+/-0.197 χ^2/NDF: 1448163.2/72

In: 1829.225+/-0.204 χ^2/NDF:691294.5/56

Out: 1840.136+/-0.201 χ^2/NDF:792151.5/63

All: 1834.756+/-0.143 χ^2/NDF: 1484892.1/12



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

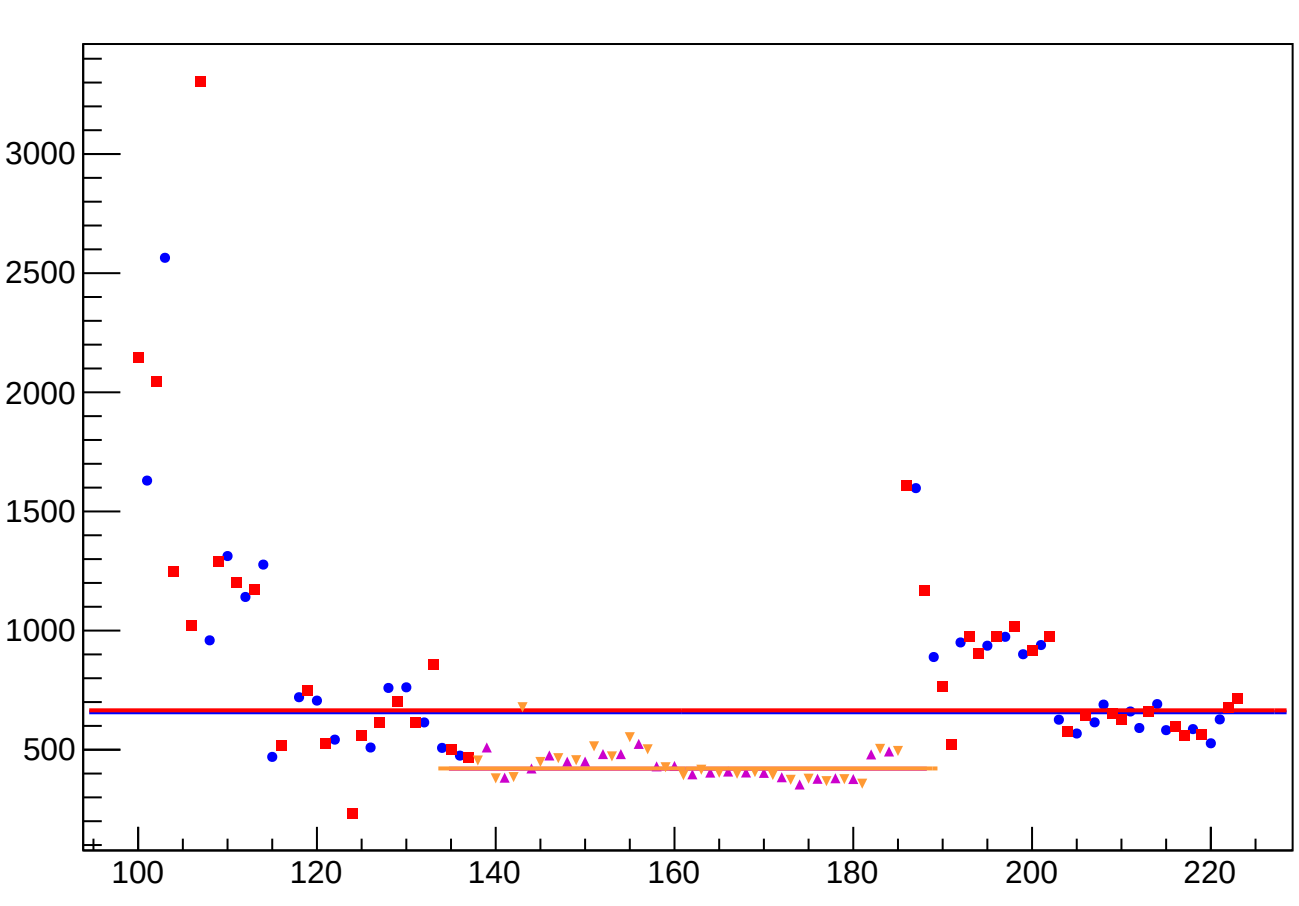
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -213.753+/-104.675 χ^2/NDF: 336.7/72

In: 276.686+/-82.025 χ^2/NDF:108.0/56

Out: -142.432+/-81.387 χ^2/NDF:327.1/63

All: 65.493+/-57.774 χ^2/NDF: 448.3/120



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

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

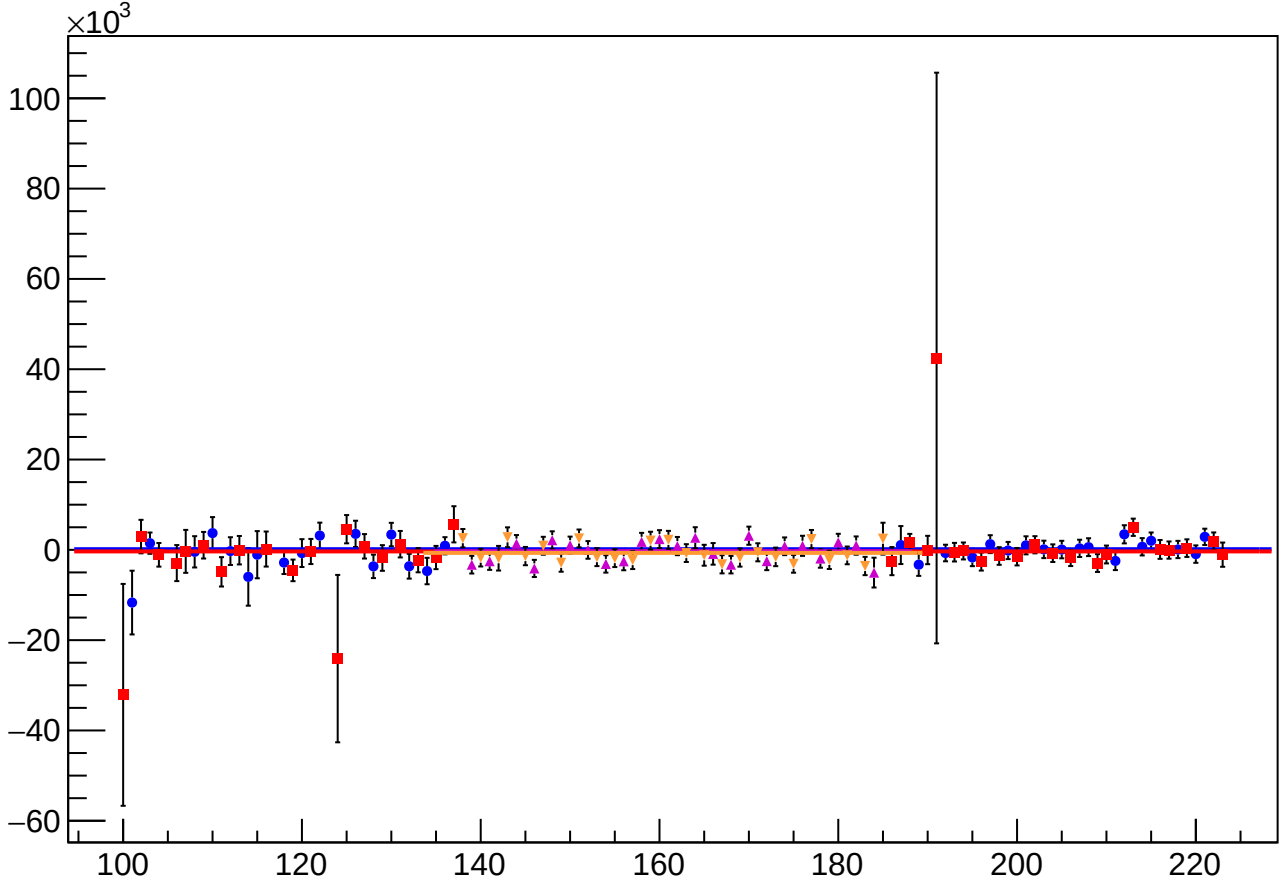
Right: 661.189+/-0.074 χ^2/NDF: 8189550.0/72

In: 494.447+/-0.058 χ^2/NDF:7322777.9/56

Out: 493.664+/-0.058 χ^2/NDF:9355967.2/63

All: 494.052+/-0.041 χ^2/NDF: 16678836.9/12

cor_asym_at1_dd_mean vs Slug, Sign Corrected



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

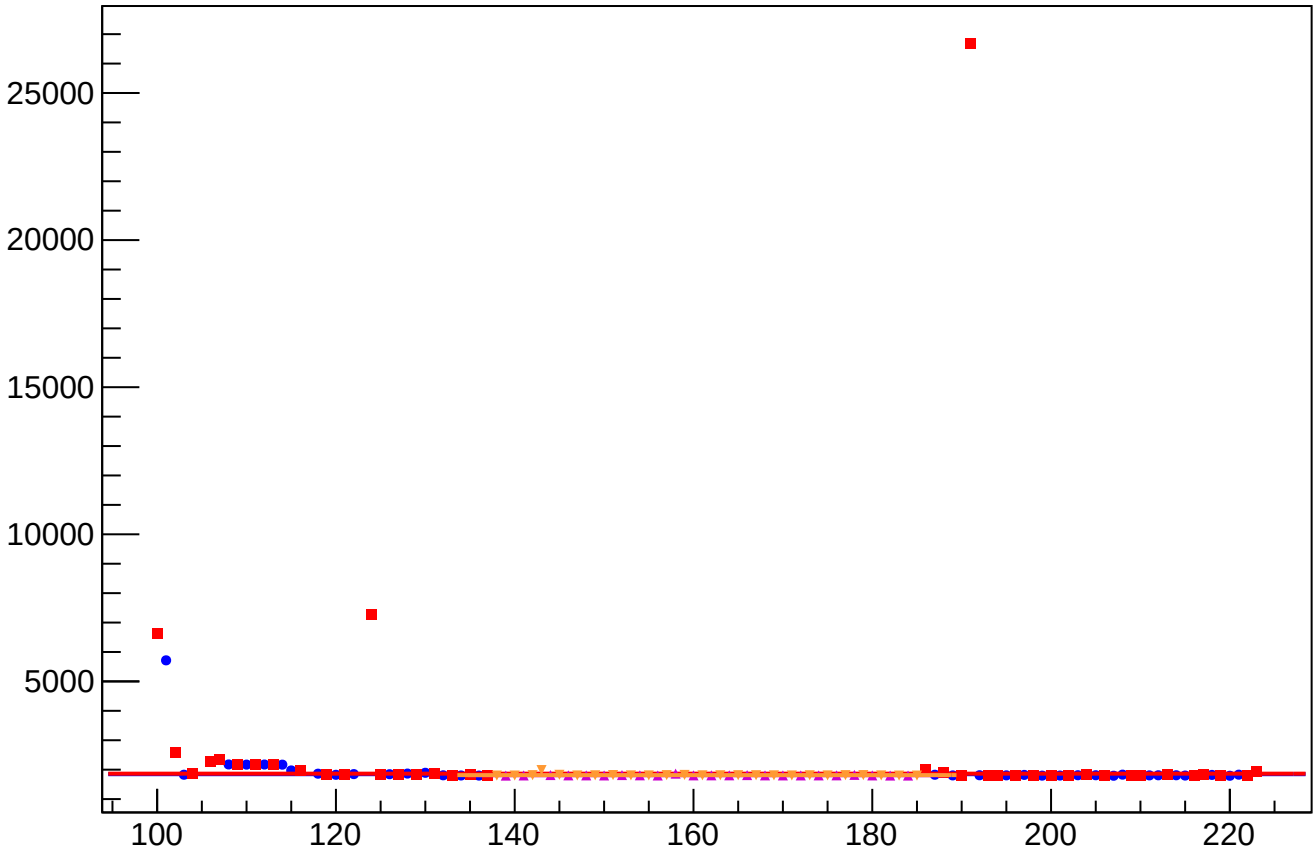
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -104.595+/-279.349 χ^2/NDF: 62.6/72

In: -85.286+/-288.874 χ^2/NDF:60.0/56

Out: -502.009+/-284.983 χ^2/NDF:57.7/63

All: -296.473+/-202.875 χ^2/NDF: 118.7/120



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

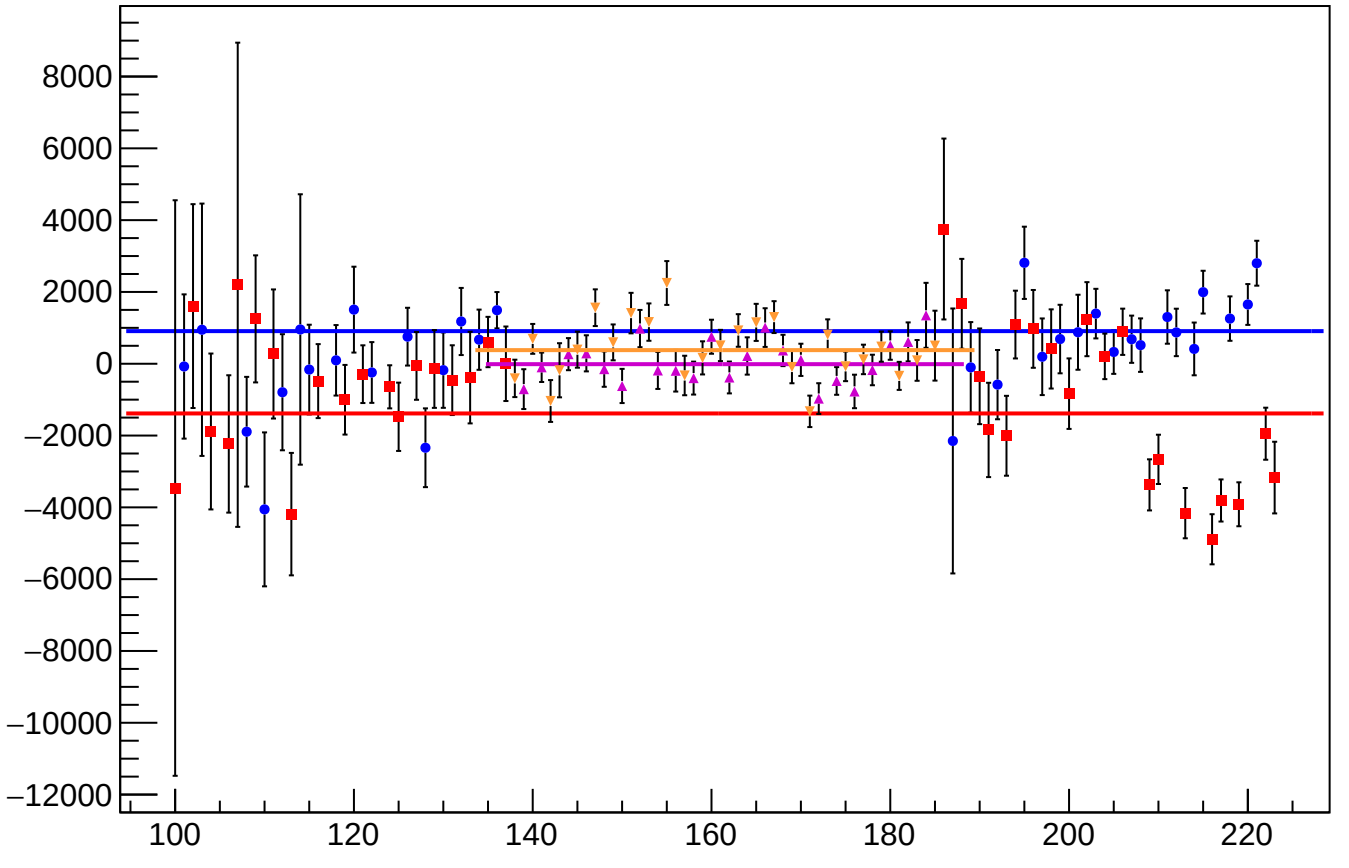
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1854.953+/-0.198 χ^2/NDF: 1454652.8/72

In: 1829.225+/-0.204 χ^2/NDF:691294.4/56

Out: 1840.402+/-0.202 χ^2/NDF:798834.1/63

All: 1834.889+/-0.143 χ^2/NDF: 1491645.7/12



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

Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

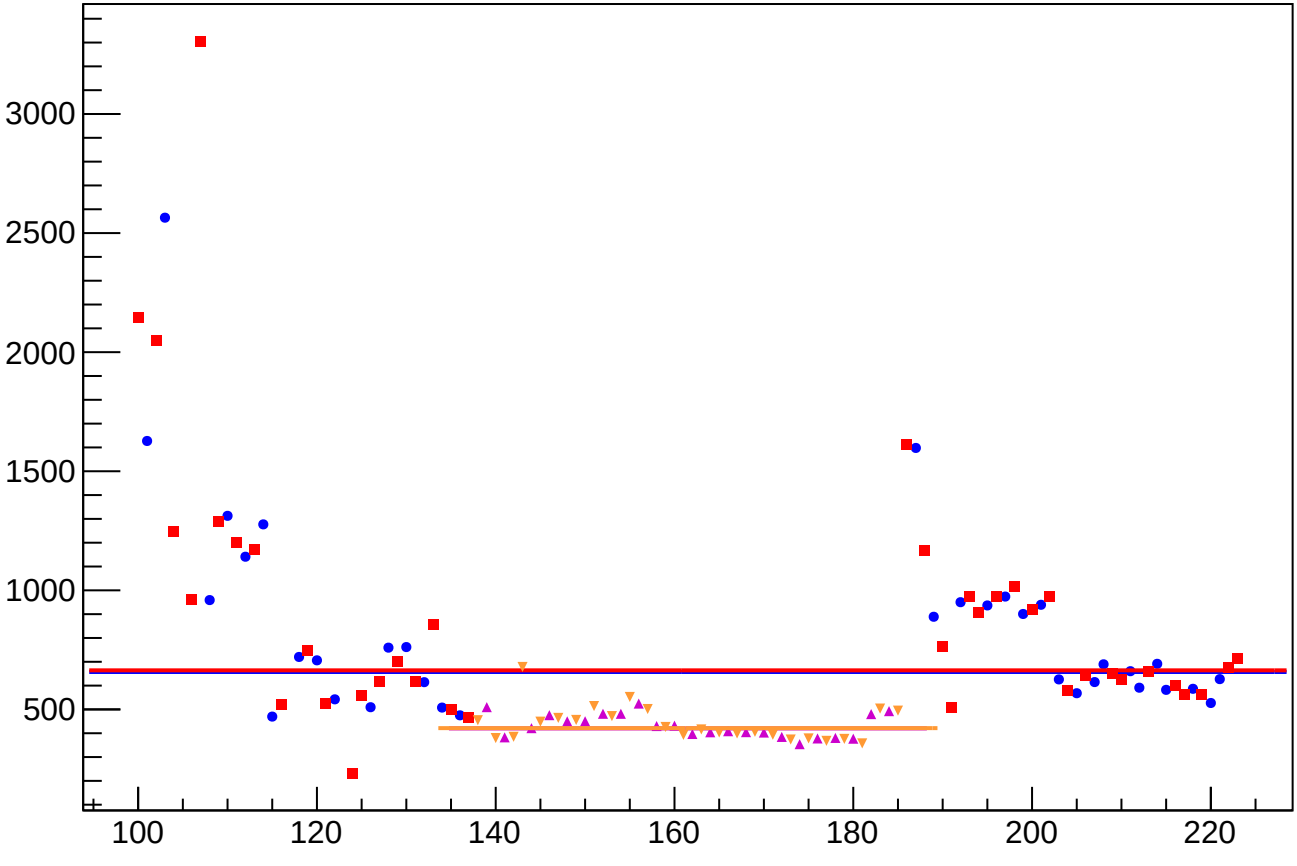
Right: -215.290+/-104.650 χ^2/NDF: 337.4/72

In: 276.687+/-82.024 χ^2/NDF:108.0/56

Out: -143.407+/-81.376 χ^2/NDF:327.9/63

All: 64.975+/-57.769 χ^2/NDF: 449.1/120

asym_at1_dd_cor_correction_rms vs Slug, Sign Corrected



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

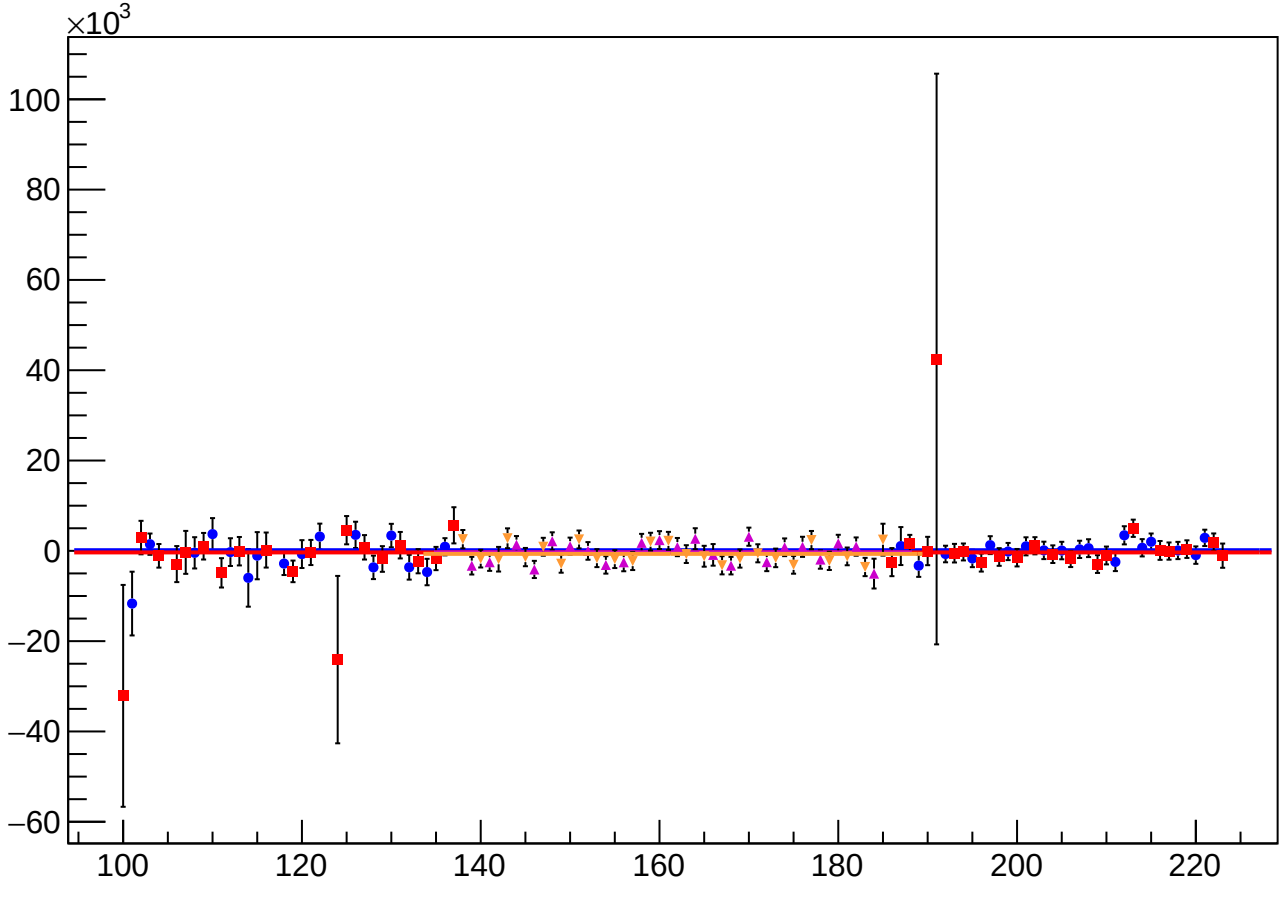
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 660.573+/-0.074 χ^2/NDF: 8192000.3/72

In: 494.445+/-0.058 χ^2/NDF:7322202.7/56

Out: 493.340+/-0.058 χ^2/NDF:9323725.7/63

All: 493.888+/-0.041 χ^2/NDF: 16646111.2/12



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

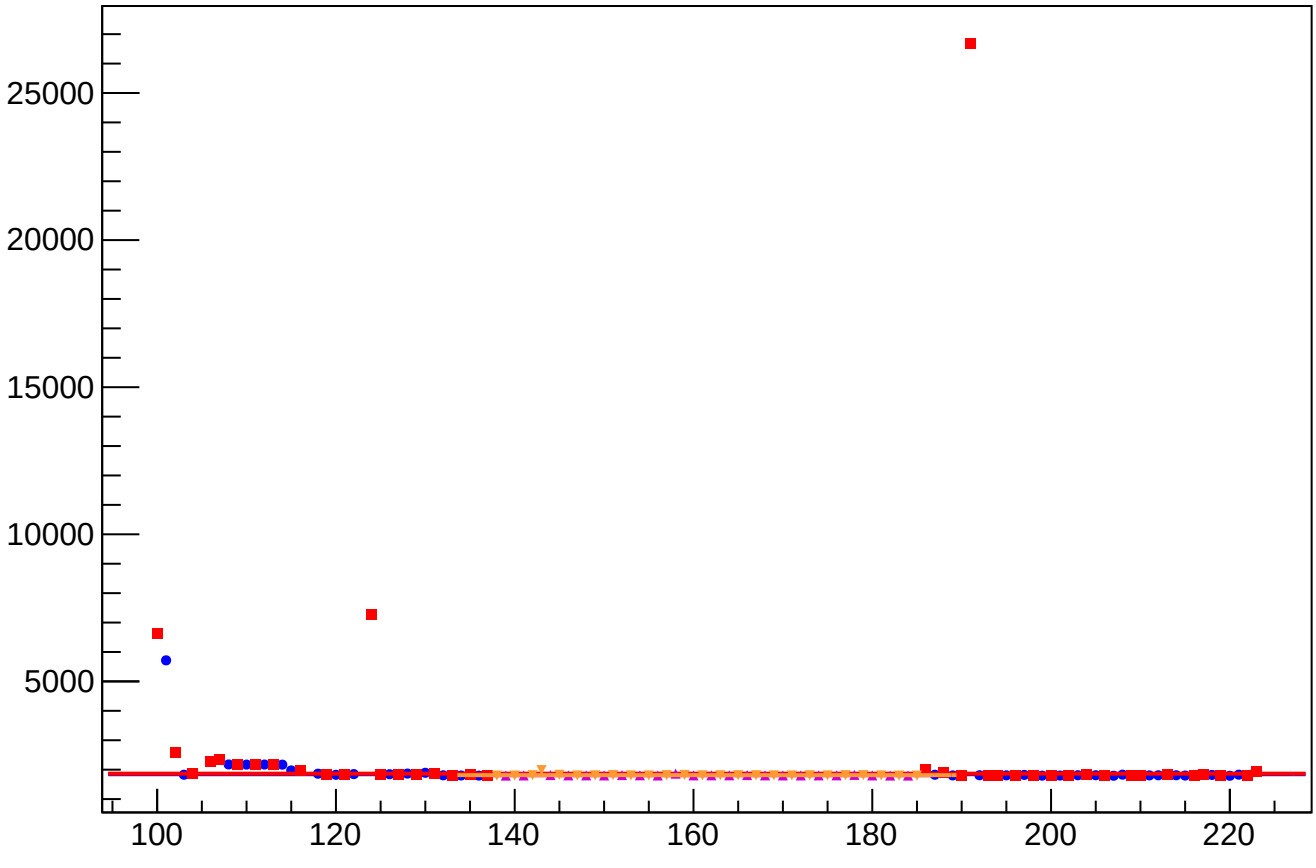
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -104.595+/-279.349 χ^2/NDF: 62.6/72

In: -85.286+/-288.874 χ^2/NDF:60.0/56

Out: -502.009+/-284.983 χ^2/NDF:57.7/63

All: -296.473+/-202.875 χ^2/NDF: 118.7/120



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

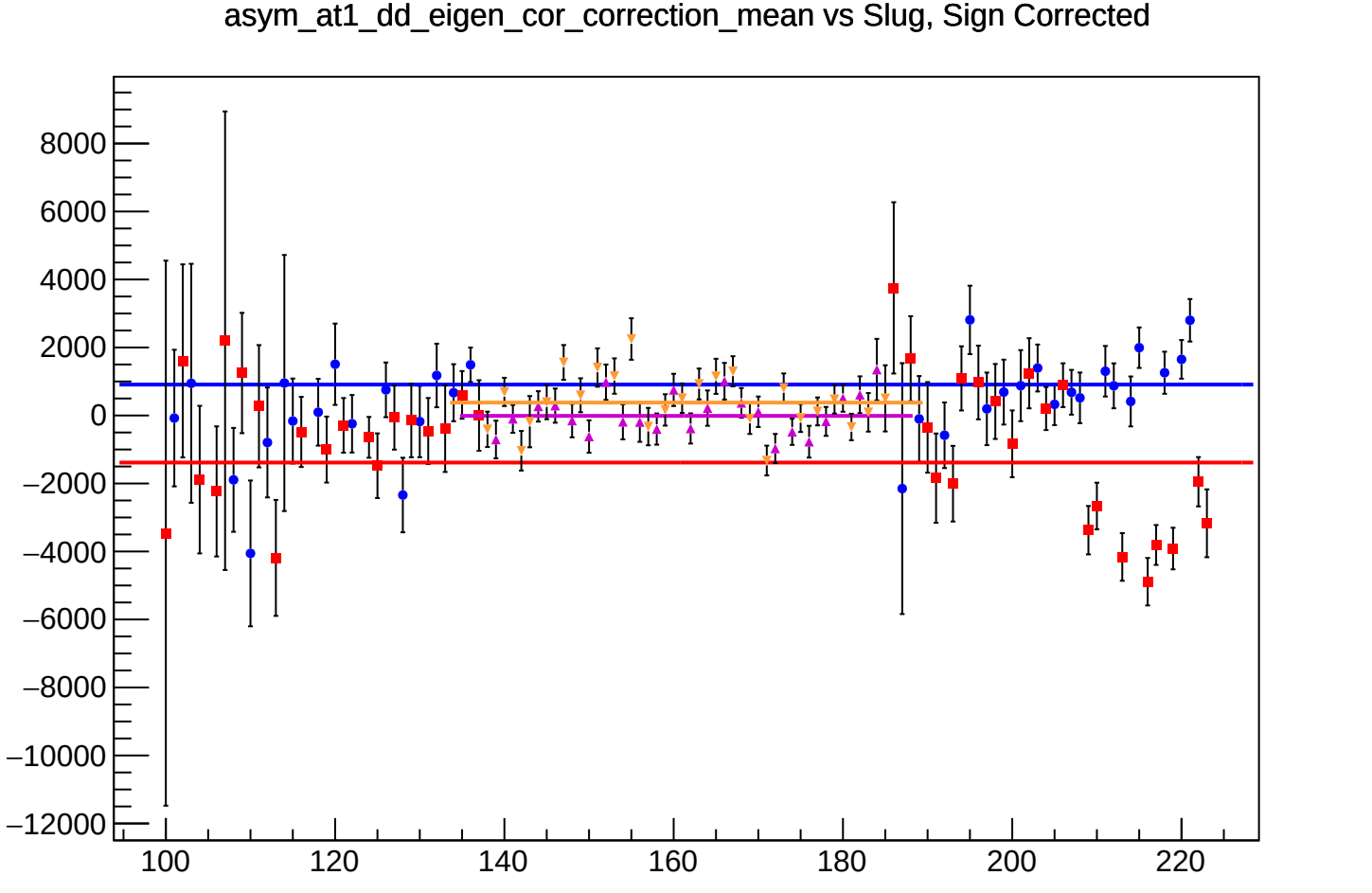
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1854.953+/-0.198 χ^2/NDF: 1454652.8/72

In: 1829.225+/-0.204 χ^2/NDF:691294.4/56

Out: 1840.402+/-0.202 χ^2/NDF:798834.1/63

All: 1834.889+/-0.143 χ^2/NDF: 1491645.7/12



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

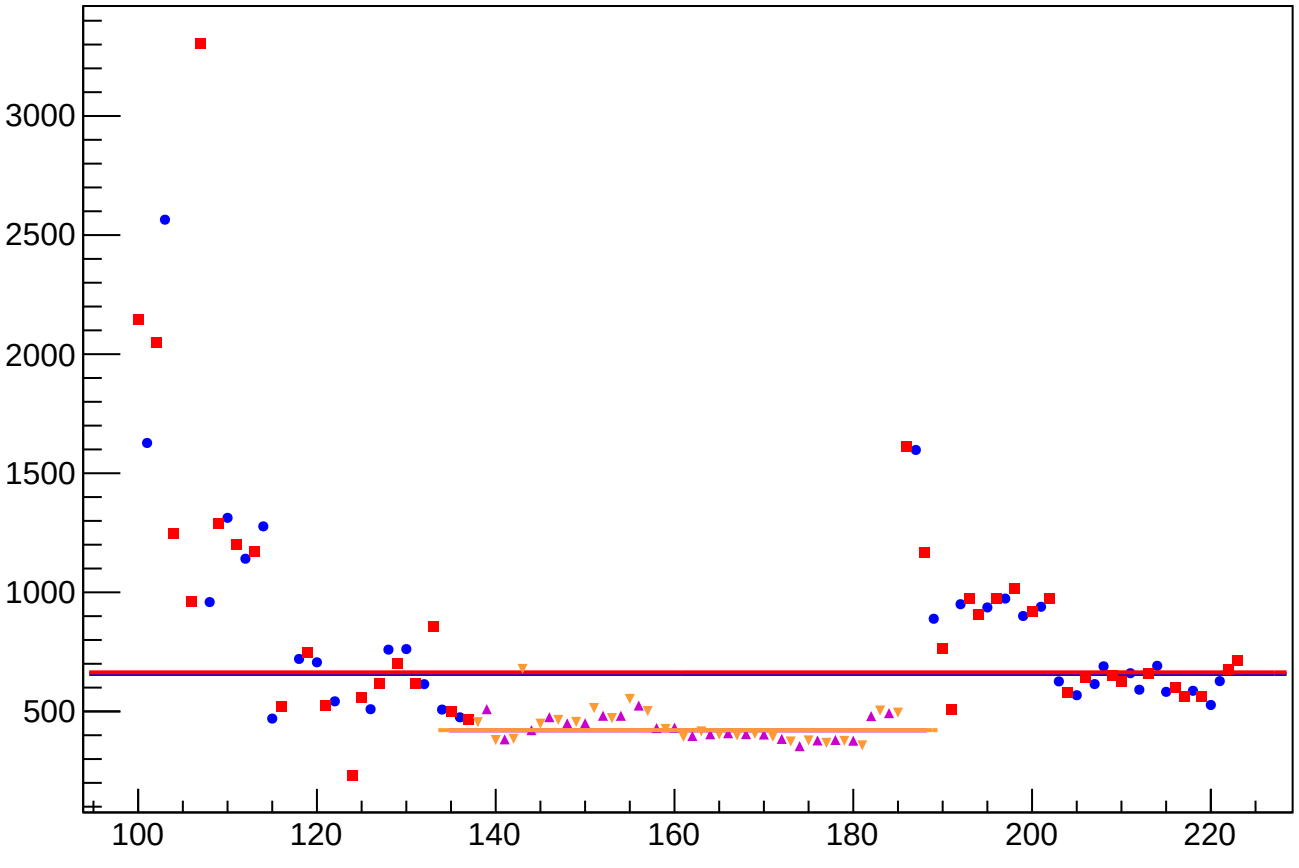
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -215.290+/-104.650 χ^2/NDF: 337.4/72

In: 276.687+/-82.024 χ^2/NDF:108.0/56

Out: -143.407+/-81.376 χ^2/NDF:327.9/63

All: 64.975+/-57.769 χ^2/NDF: 449.1/120



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

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

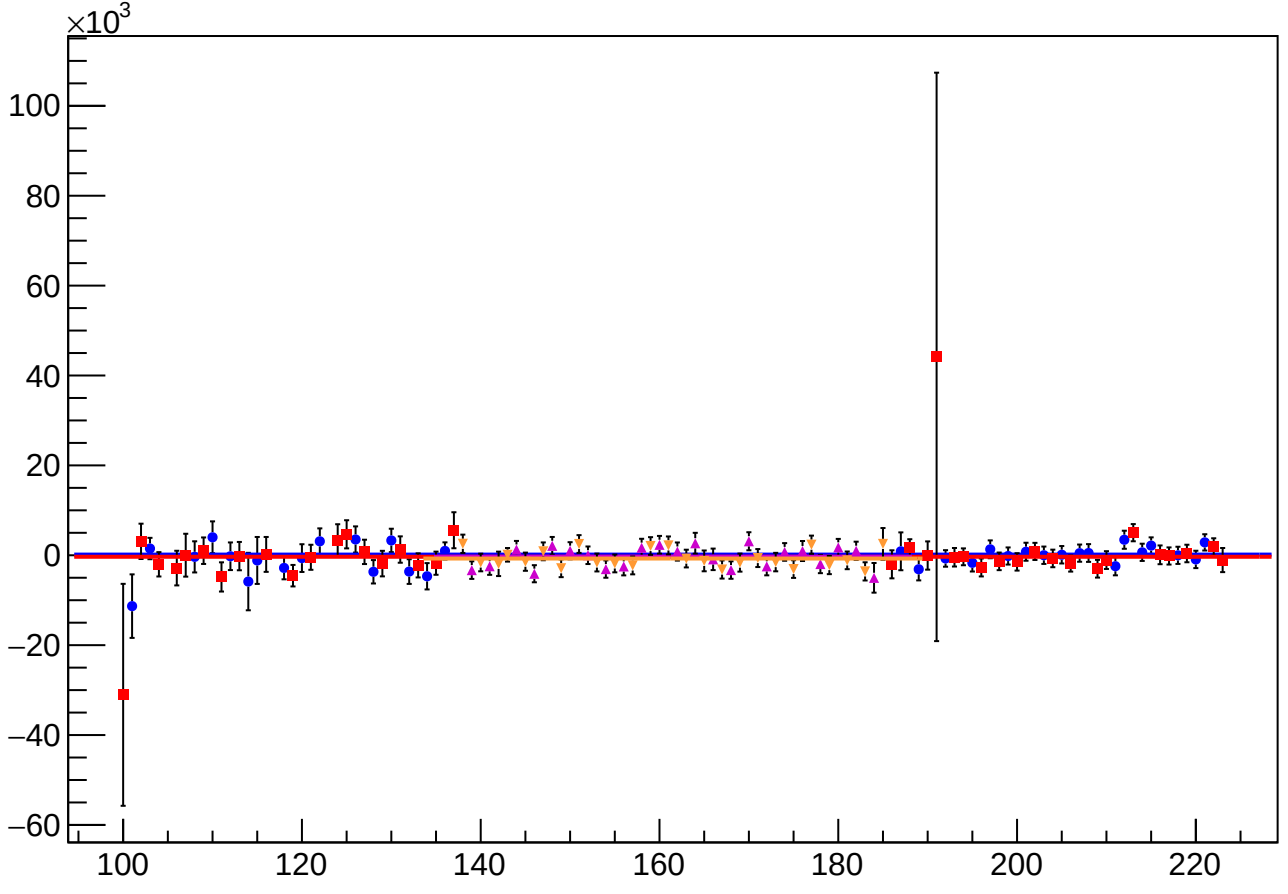
Right: 660.573+/-0.074 χ^2/NDF: 8192000.3/72

In: 494.445+/-0.058 χ^2/NDF:7322202.7/56

Out: 493.340+/-0.058 χ^2/NDF:9323725.7/63

All: 493.888+/-0.041 χ^2/NDF: 16646111.2/12

dit_asym_at1_dd_mean vs Slug, Sign Corrected



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

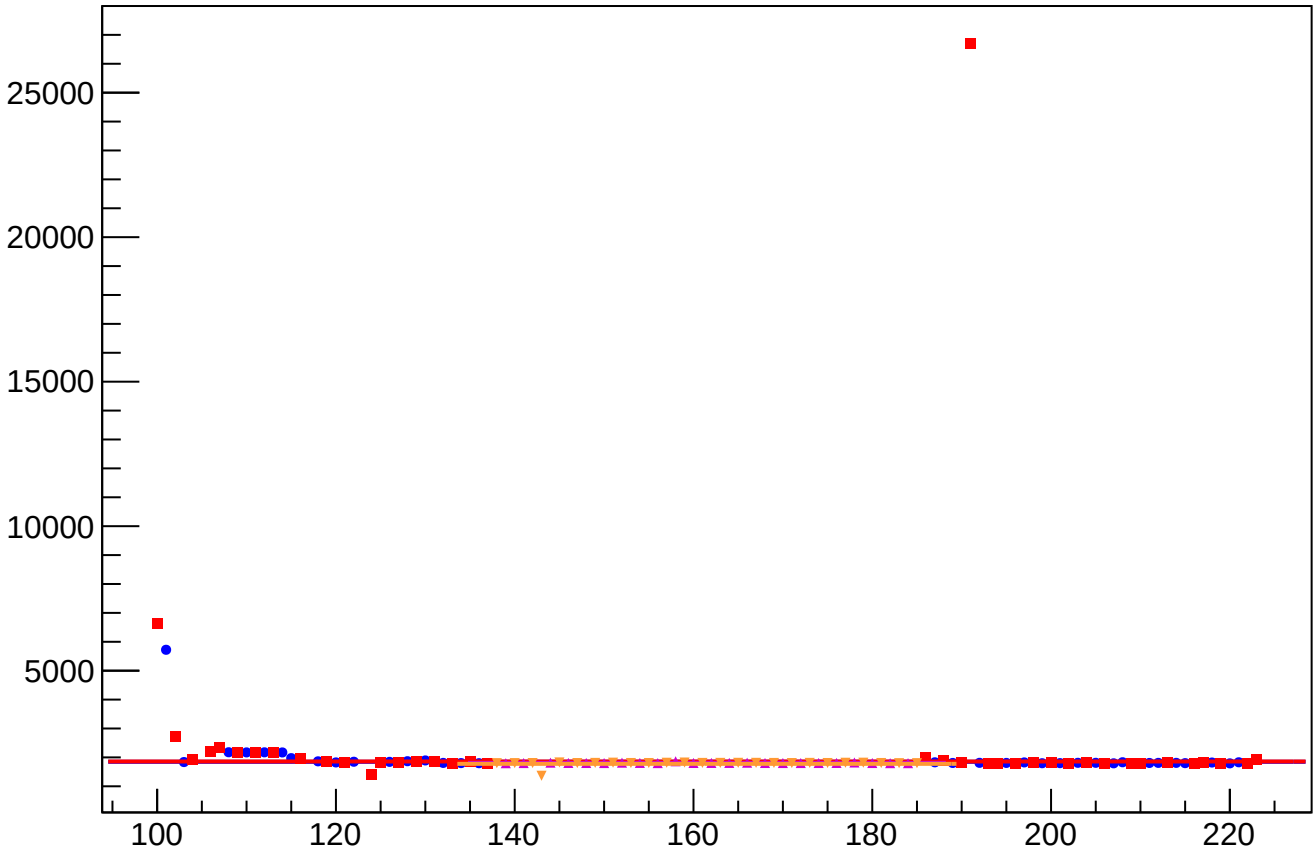
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -91.383+/-278.945 χ^2/NDF: 61.7/72

In: -78.800+/-289.062 χ^2/NDF:59.2/56

Out: -521.782+/-281.822 χ^2/NDF:54.7/63

All: -305.908+/-201.790 χ^2/NDF: 115.2/120



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

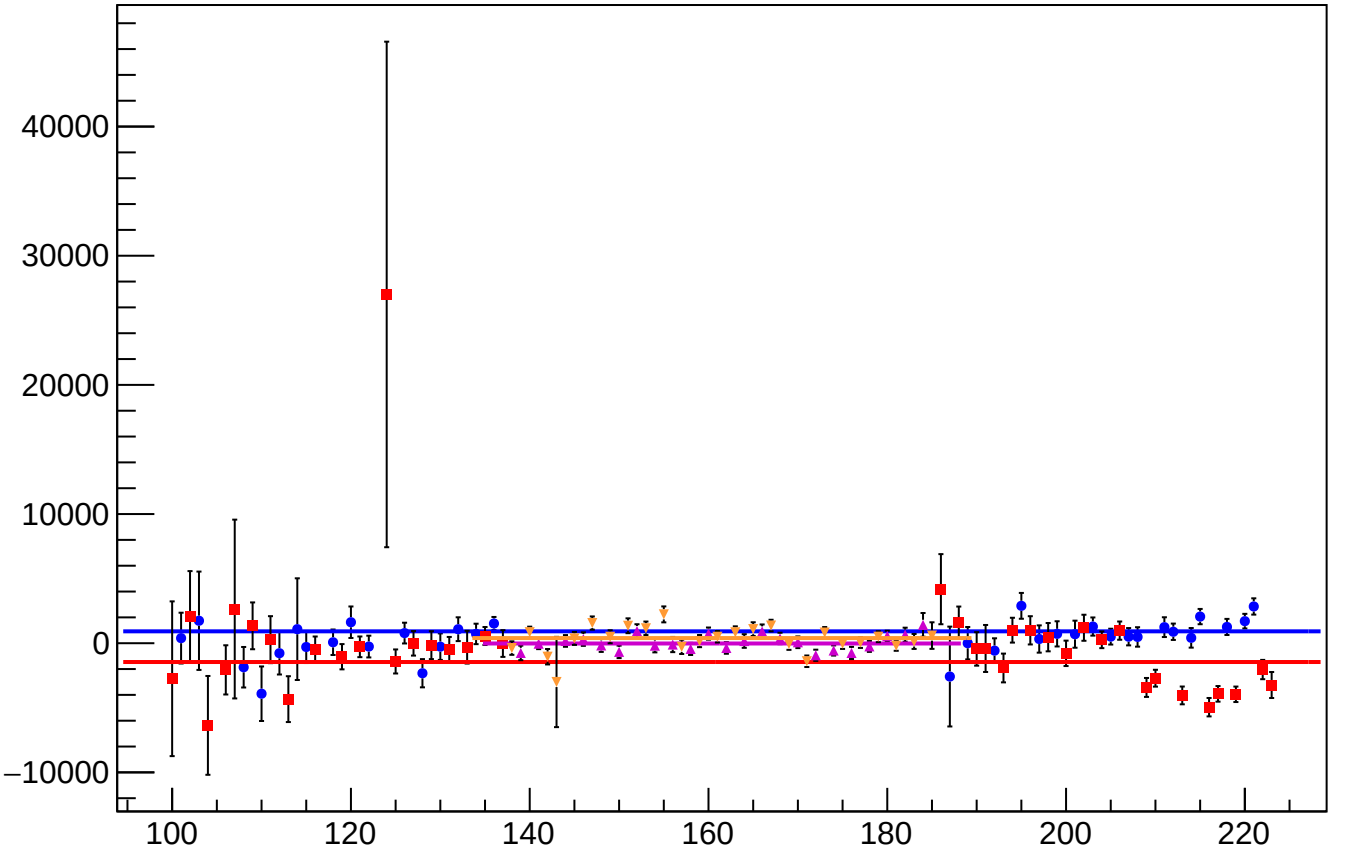
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1852.990+/-0.197 χ^2/NDF: 1326772.7/72

In: 1830.364+/-0.204 χ^2/NDF:691664.4/56

Out: 1818.845+/-0.199 χ^2/NDF:847531.3/63

All: 1824.459+/-0.143 χ^2/NDF: 1540824.0/12



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

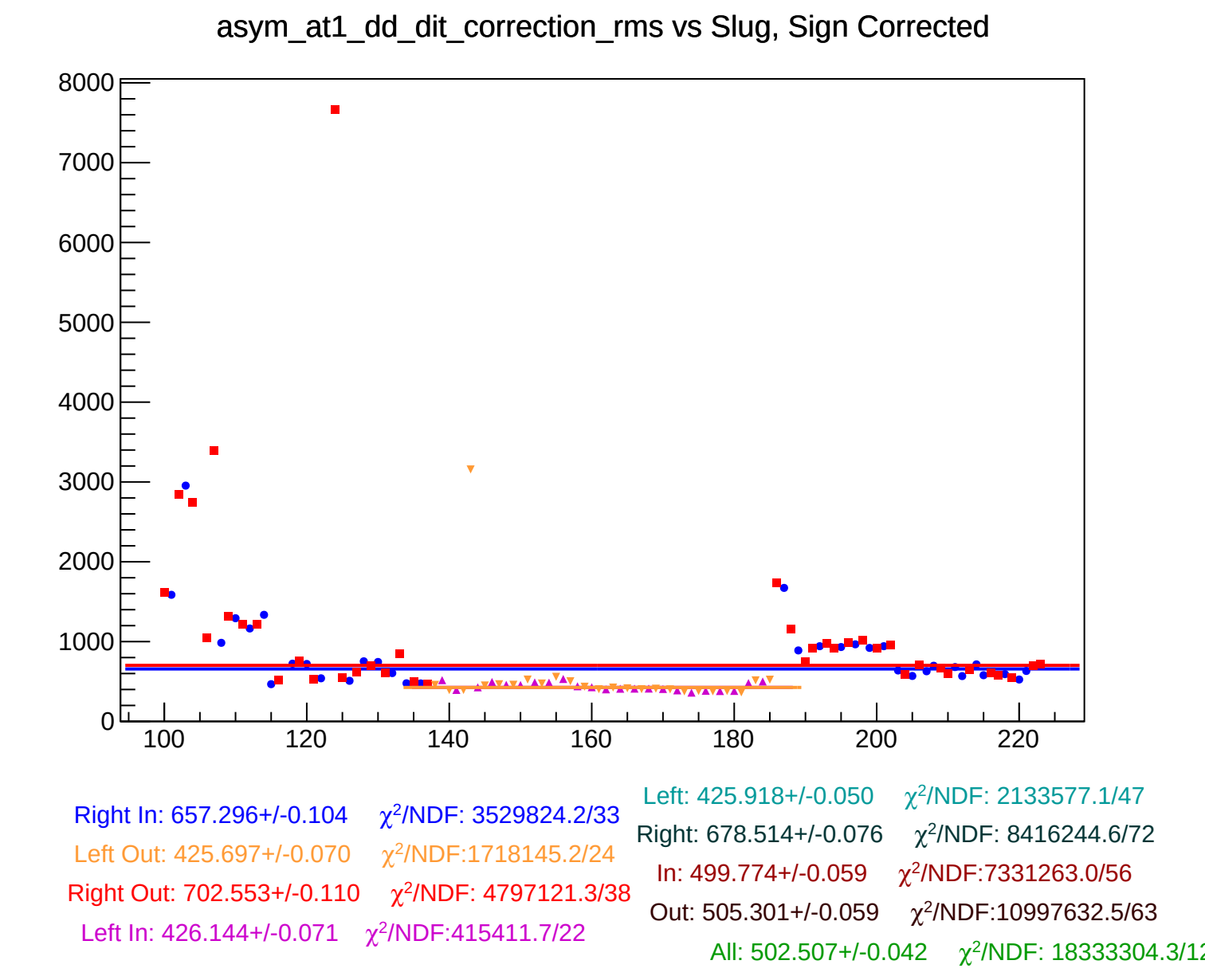
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

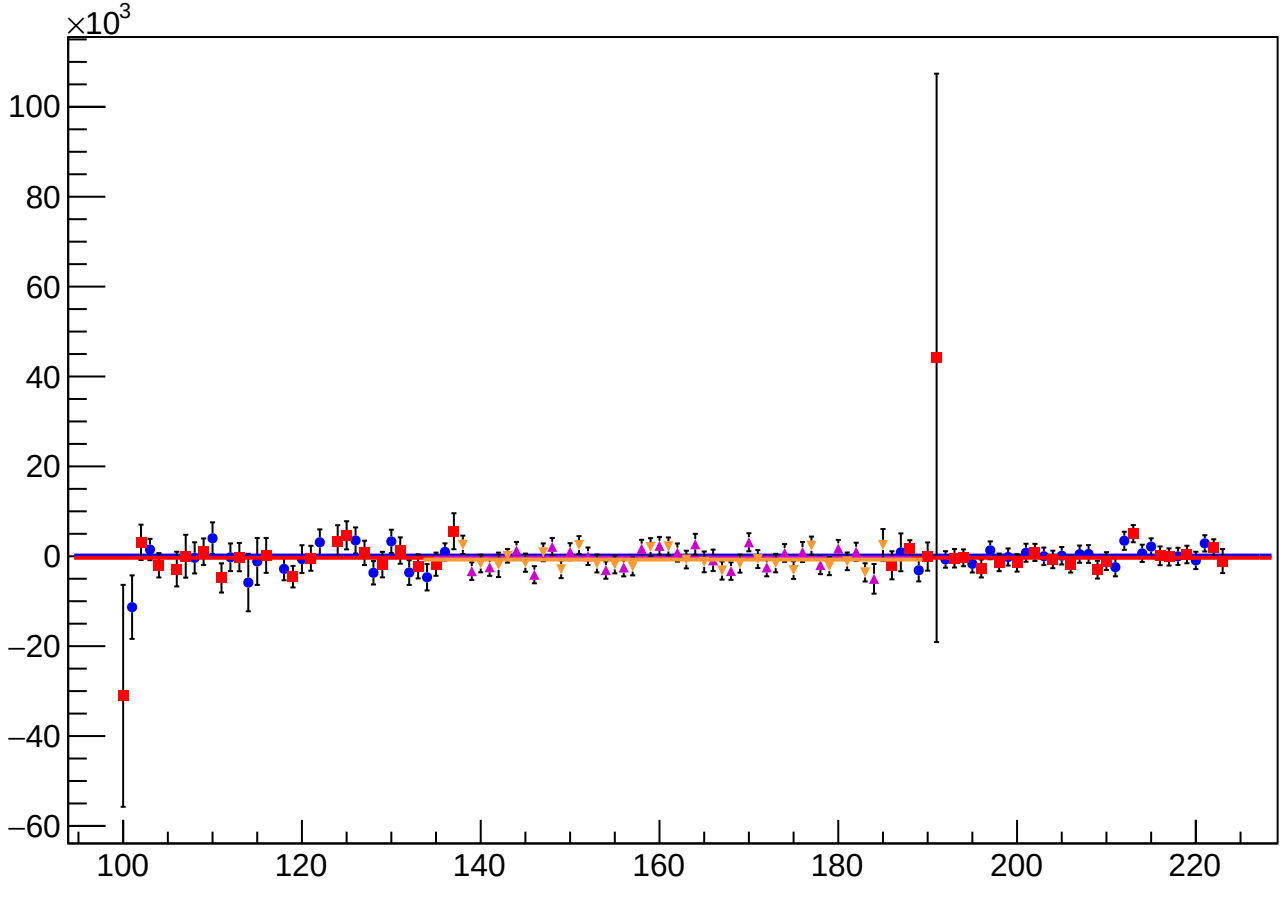
Right: -193.850+/-106.882 χ^2/NDF: 343.3/72

In: 278.374+/-82.769 χ^2/NDF:109.6/56

Out: -134.776+/-83.703 χ^2/NDF:330.6/63

All: 74.117+/-58.854 χ^2/NDF: 452.5/120


asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 657.296+/-0.104 χ²/NDF: 3529824.2/33
Left Out: 425.697+/-0.070 χ²/NDF:1718145.2/24
Right Out: 702.553+/-0.110 χ²/NDF: 4797121.3/38
Left In: 426.144+/-0.071 χ²/NDF:415411.7/22
Left: 425.918+/-0.050 χ²/NDF: 2133577.1/47
Right: 678.514+/-0.076 χ²/NDF: 8416244.6/72
In: 499.774+/-0.059 χ²/NDF:7331263.0/56
Out: 505.301+/-0.059 χ²/NDF:10997632.5/63
All: 502.507+/-0.042 χ²/NDF: 18333304.3/12



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

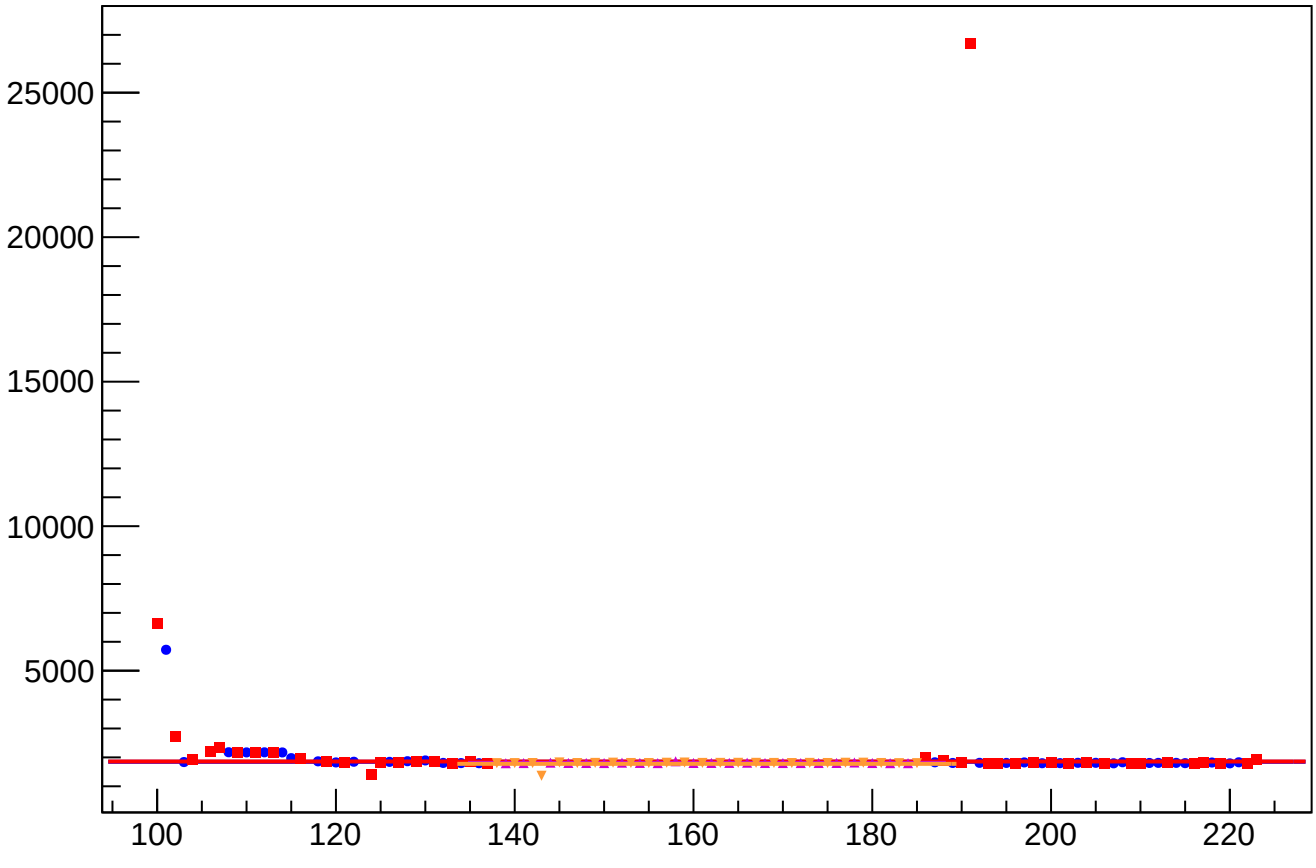
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -91.383+/-278.945 χ^2/NDF: 61.7/72

In: -78.801+/-289.062 χ^2/NDF:59.2/56

Out: -521.782+/-281.822 χ^2/NDF:54.7/63

All: -305.908+/-201.790 χ^2/NDF: 115.2/120



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

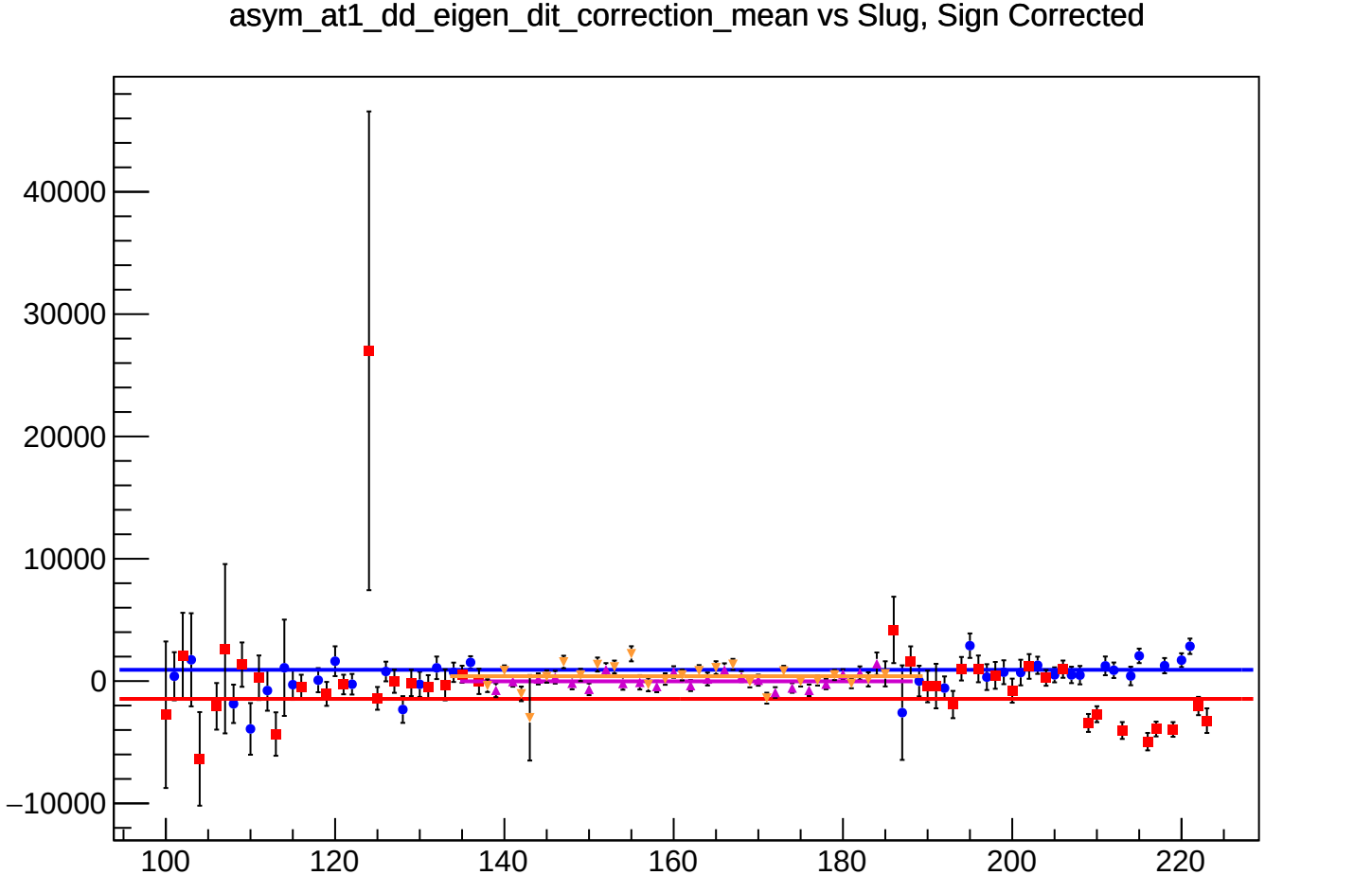
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1852.990+/-0.197 χ^2/NDF: 1326772.5/72

In: 1830.364+/-0.204 χ^2/NDF:691664.4/56

Out: 1818.845+/-0.199 χ^2/NDF:847531.0/63

All: 1824.459+/-0.143 χ^2/NDF: 1540823.8/12



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

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

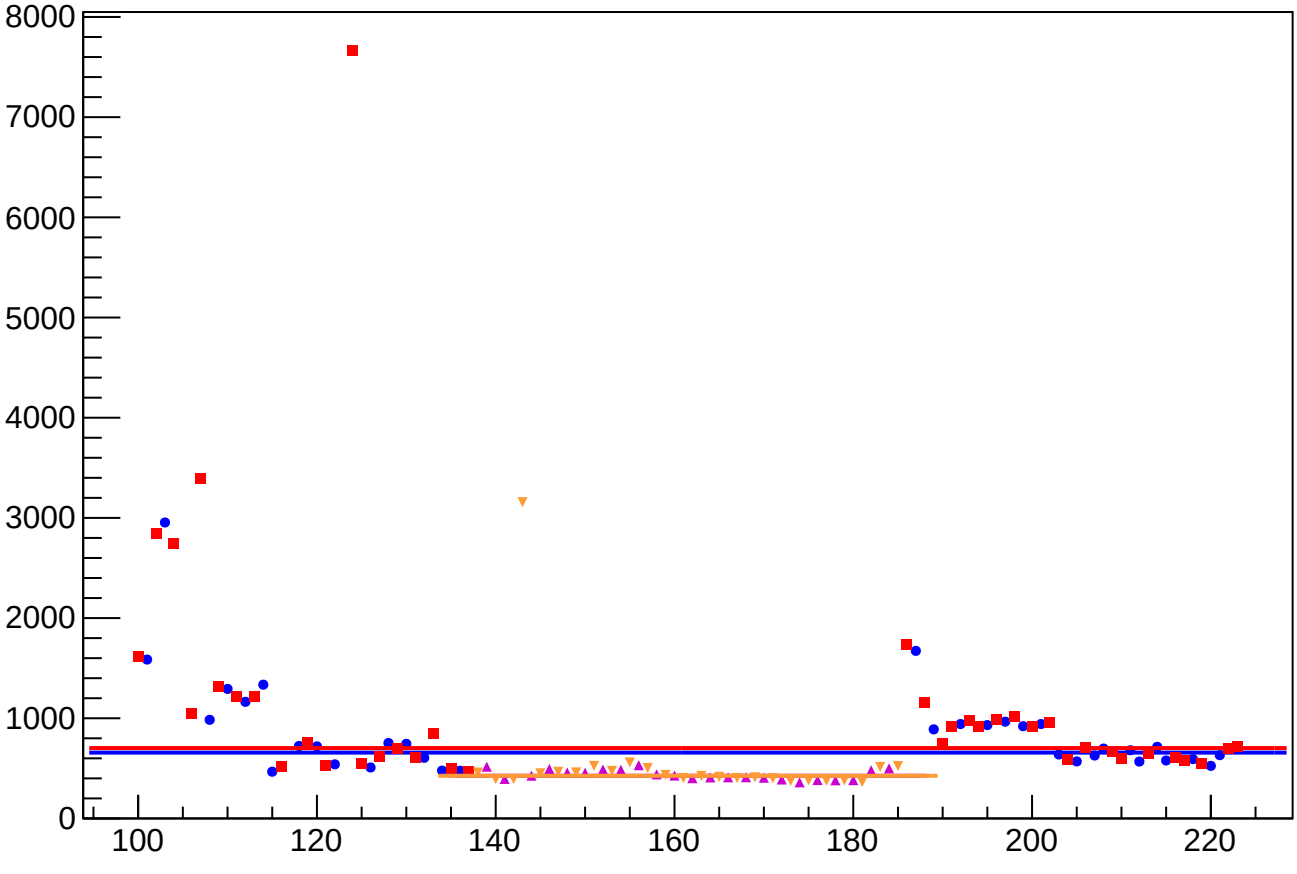
Right: -193.850+/-106.883 χ^2/NDF: 343.3/72

In: 278.373+/-82.769 χ^2/NDF:109.6/56

Out: -134.774+/-83.703 χ^2/NDF:330.6/63

All: 74.117+/-58.854 χ^2/NDF: 452.5/120

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

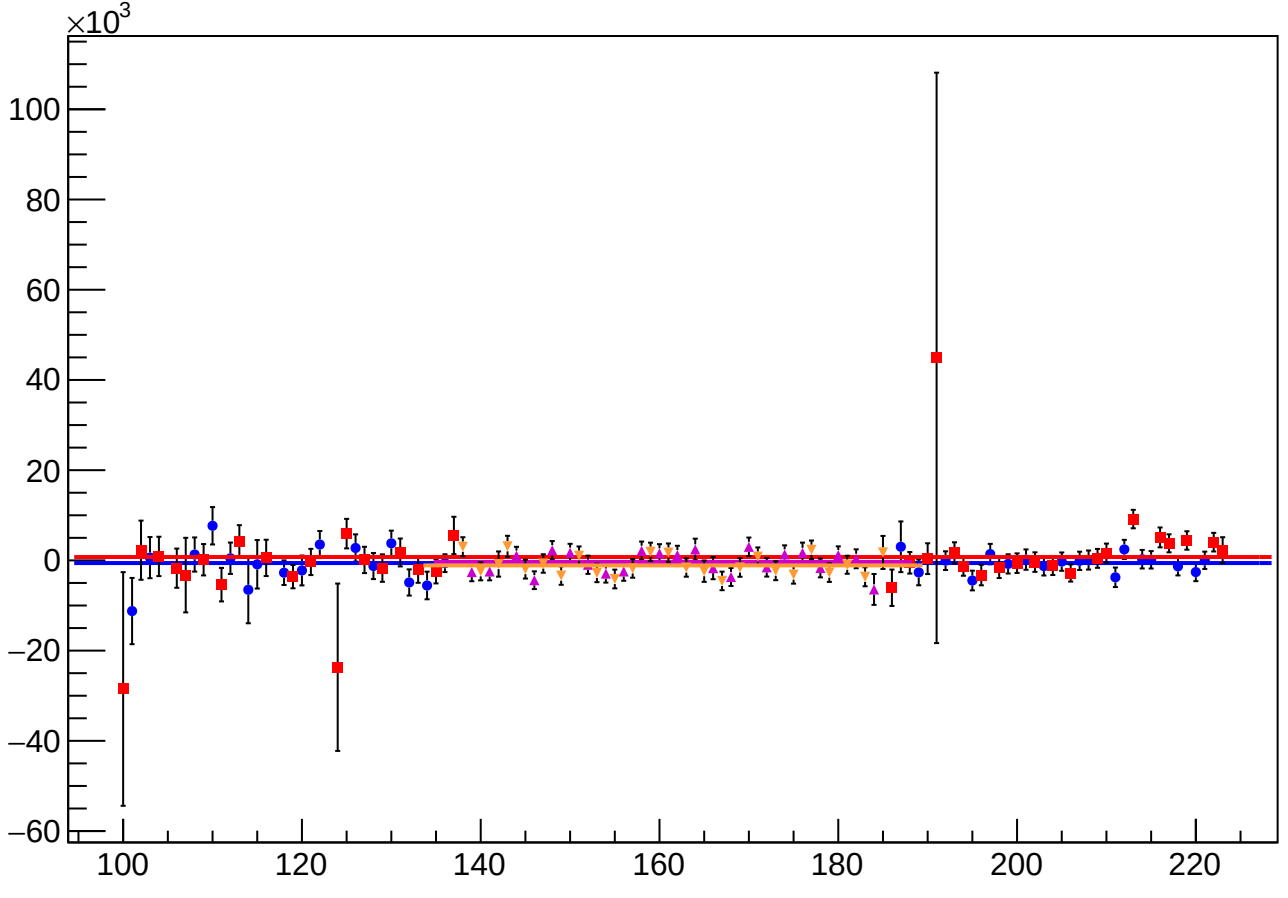
Right: 678.514+/-0.076 χ^2/NDF: 8416239.2/72

In: 499.774+/-0.059 χ^2/NDF:7331280.6/56

Out: 505.301+/-0.059 χ^2/NDF:10997654.2/63

All: 502.507+/-0.042 χ^2/NDF: 18333343.5/12

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

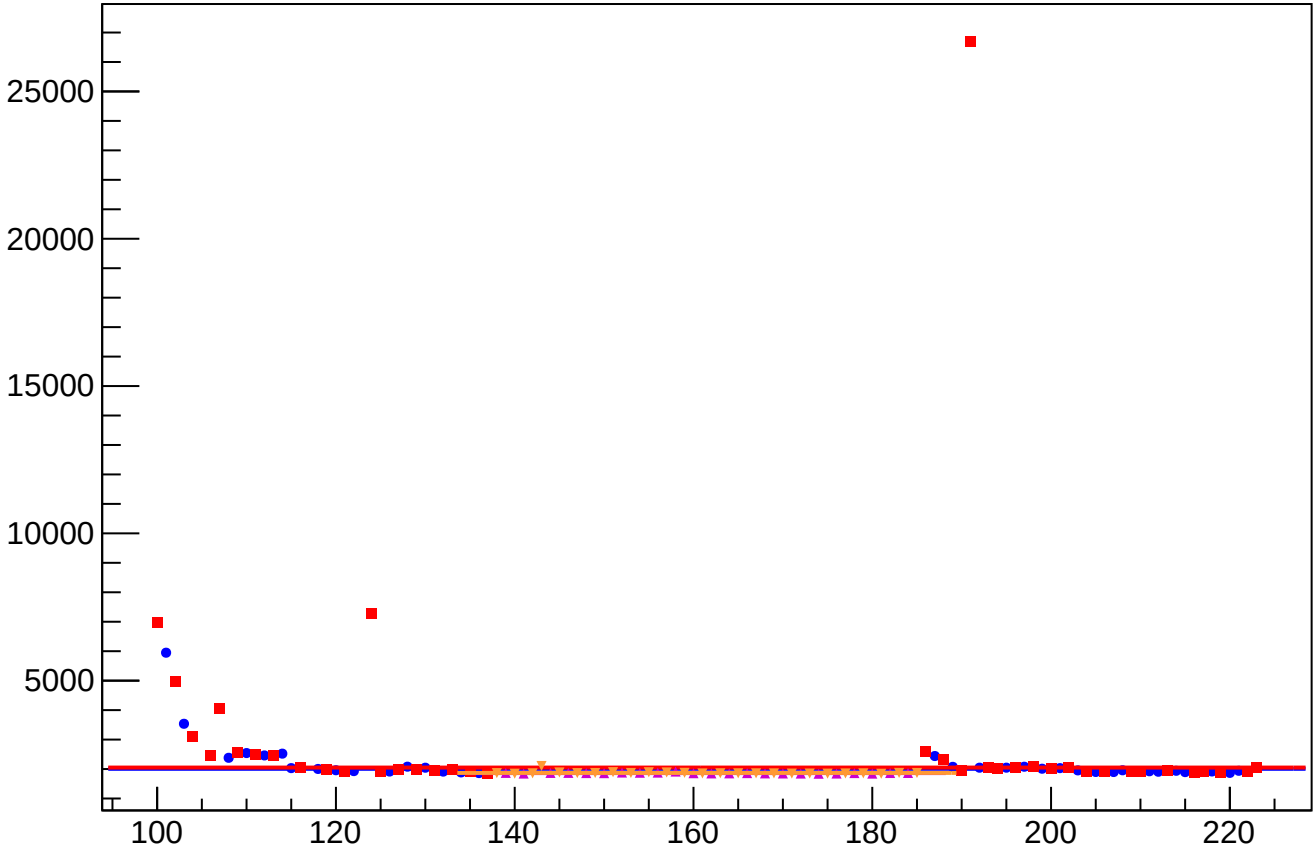
Right: 71.981+/-307.066 χ^2/NDF: 94.7/72

In: -467.926+/-306.527 χ^2/NDF:58.3/56

Out: -205.904+/-304.371 χ^2/NDF:97.8/63

All: -335.990+/-215.981 χ^2/NDF: 156.5/120

asym_at1_dd_rms vs Slug, Sign Corrected



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

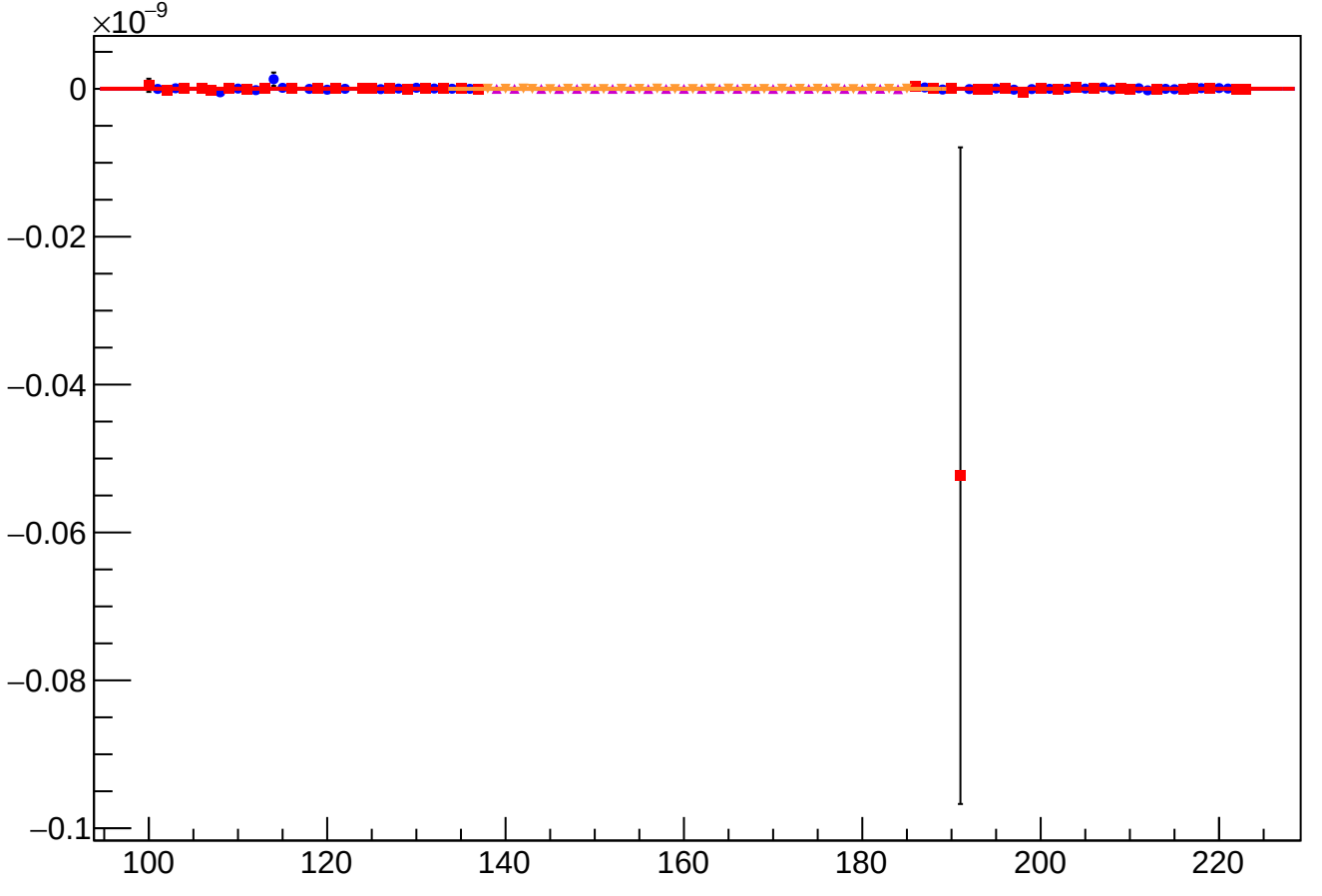
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2028.717+/-0.217 χ^2/NDF: 2442173.7/72

In: 1935.886+/-0.217 χ^2/NDF:1094960.4/56

Out: 1956.925+/-0.215 χ^2/NDF:1652610.9/63

All: 1946.480+/-0.153 χ^2/NDF: 2752315.5/12



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

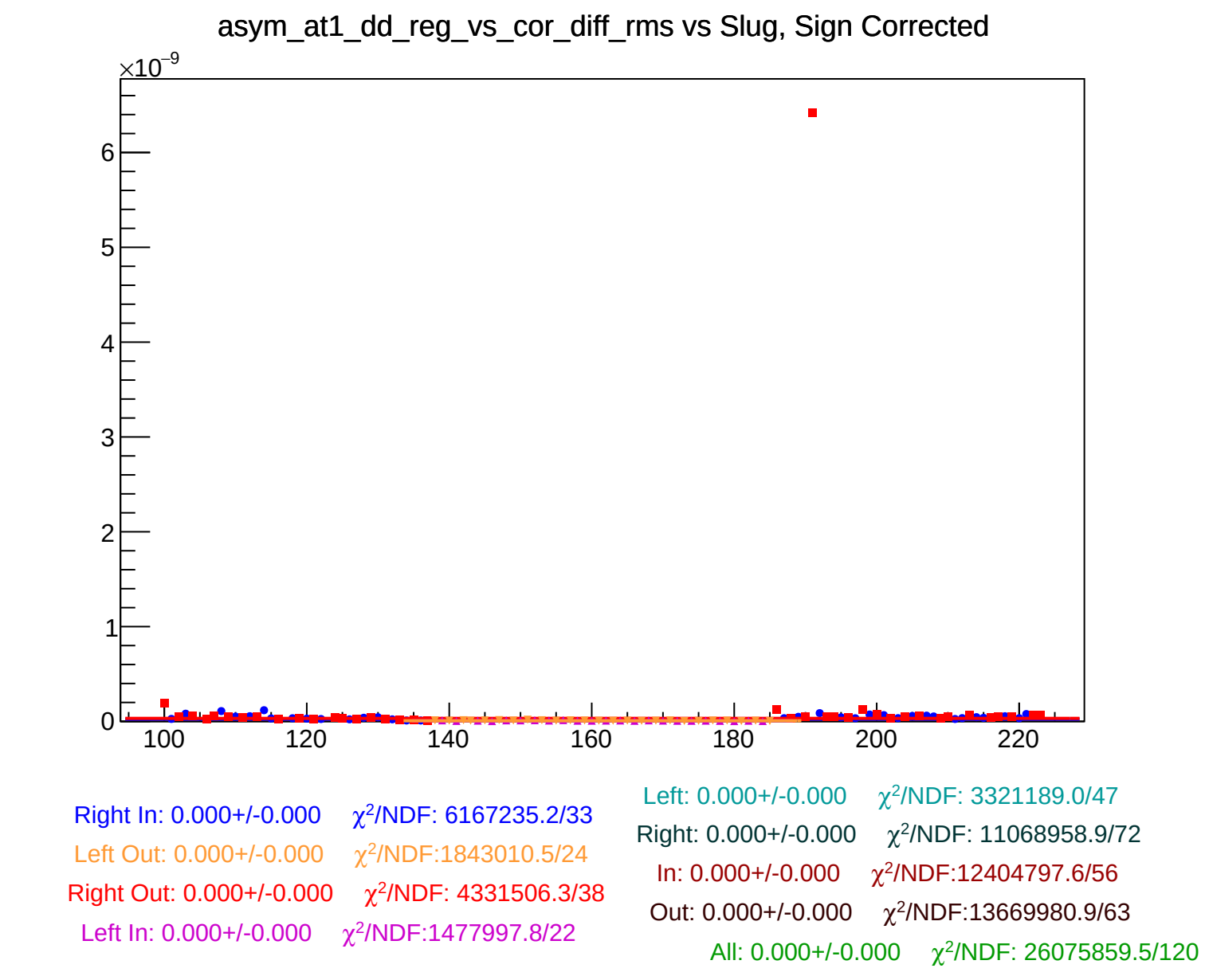
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

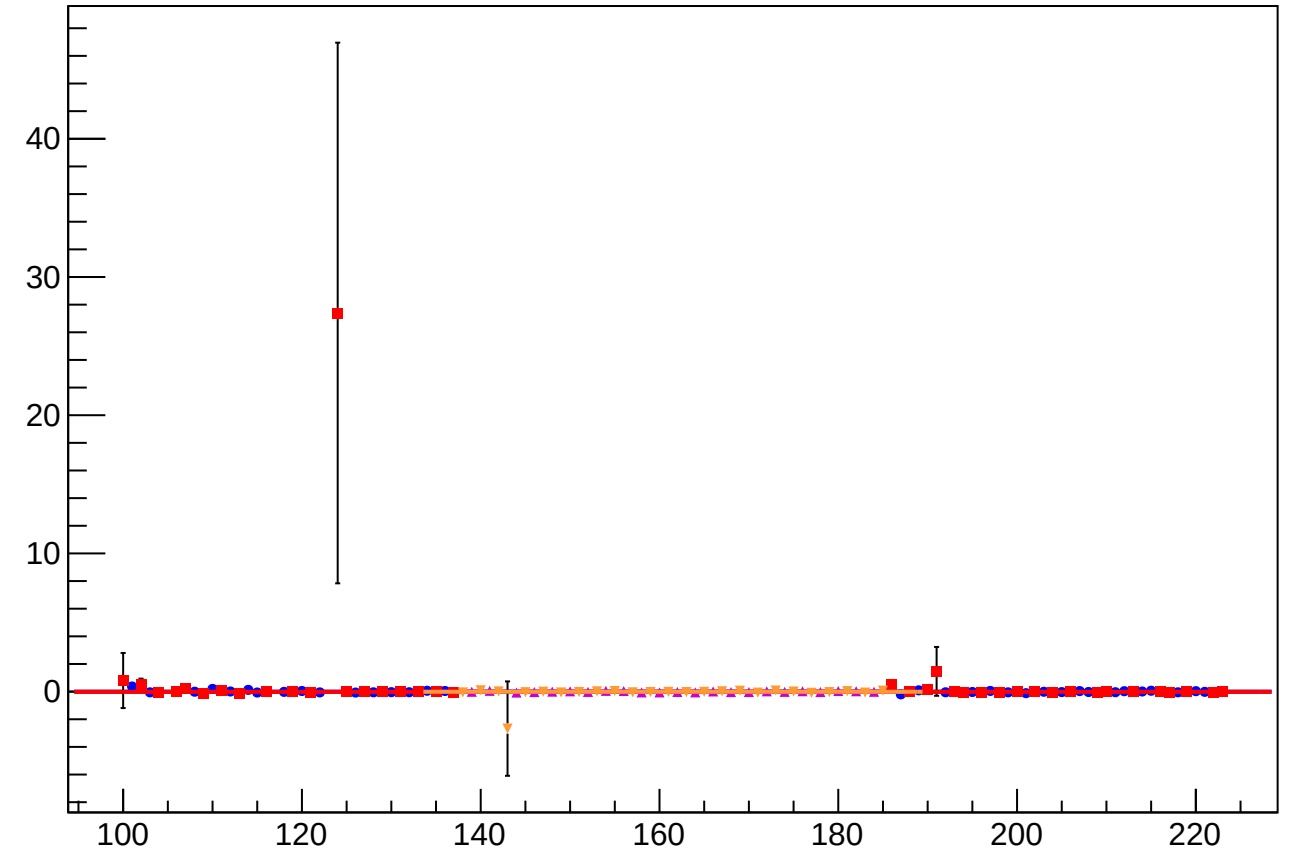
Right: 0.000+/-0.000 χ^2/NDF: 76.8/72

In: -0.000+/-0.000 χ^2/NDF:58.6/56

Out: 0.000+/-0.000 χ^2/NDF:78.6/63

All: -0.000+/-0.000 χ^2/NDF: 139.0/120


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0
1
2
3
4
5
6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6167235.2/33
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4331506.3/38
Left In: 0.000+/-0.000 χ²/NDF:1477997.8/22
Left: 0.000+/-0.000 χ²/NDF: 3321189.0/47
Right: 0.000+/-0.000 χ²/NDF: 11068958.9/72
In: 0.000+/-0.000 χ²/NDF:12404797.6/56
Out: 0.000+/-0.000 χ²/NDF:13669980.9/63
All: 0.000+/-0.000 χ²/NDF: 26075859.5/120



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

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

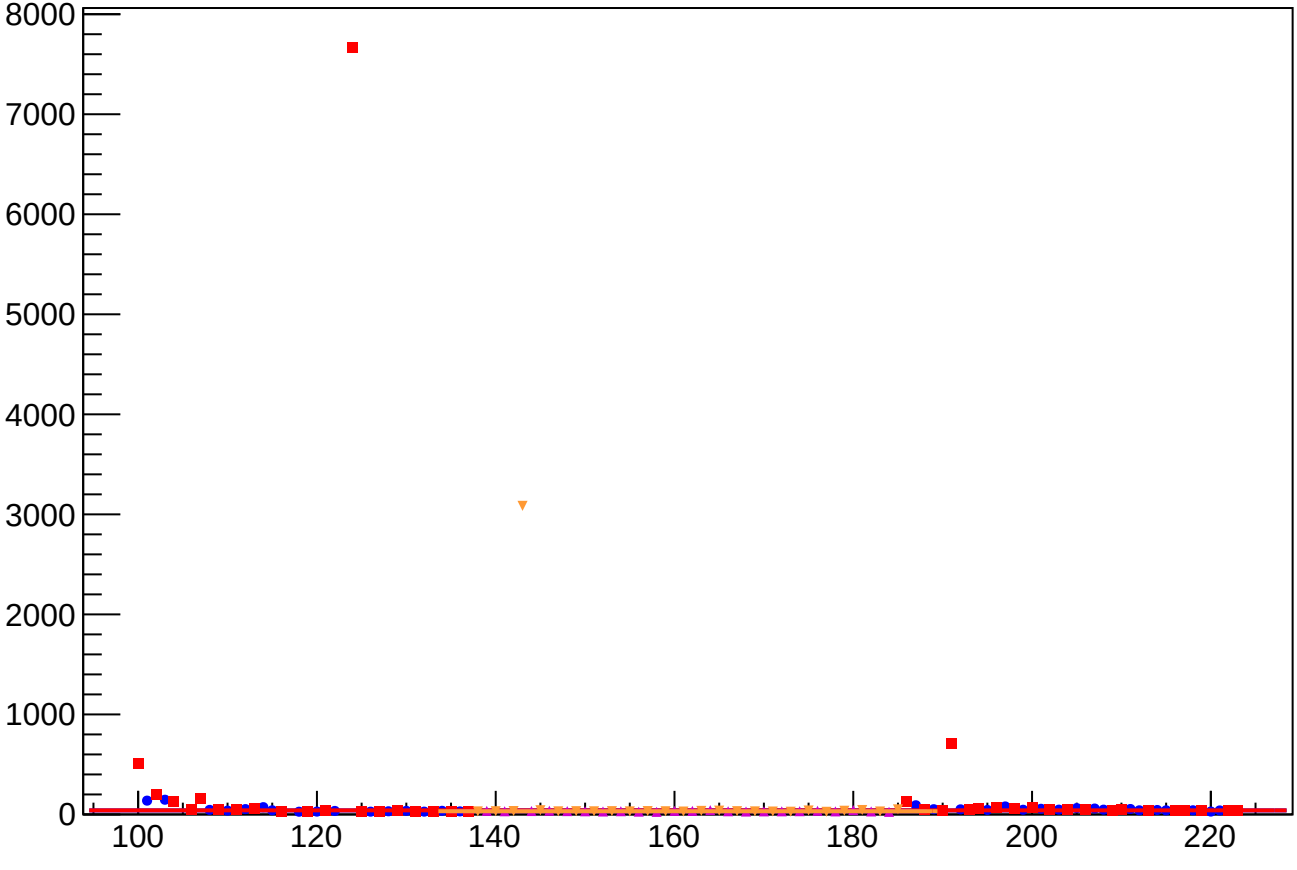
Right: -0.009+/-0.007 χ^2/NDF: 66.4/72

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.012+/-0.006 χ^2/NDF:71.4/63

All: -0.007+/-0.004 χ^2/NDF: 127.1/120

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

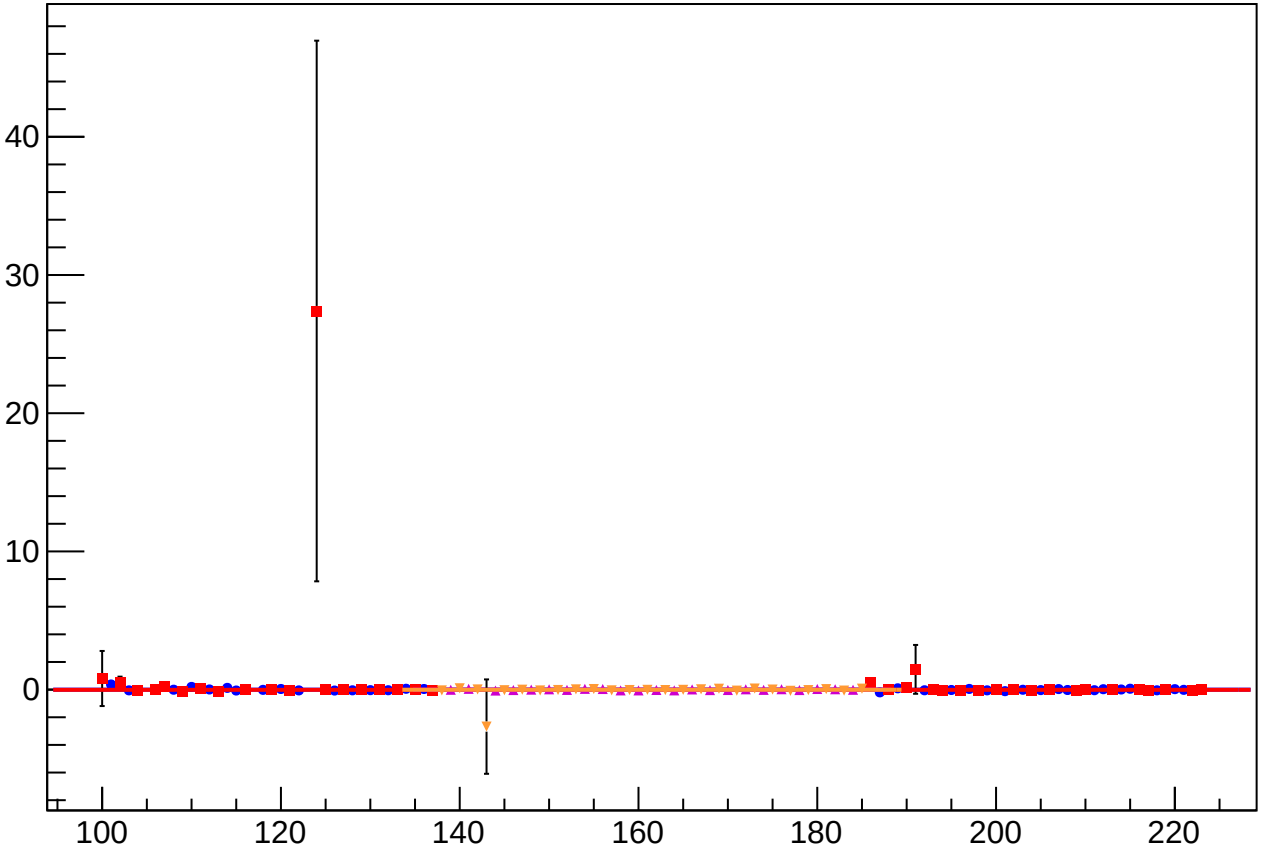
Right: 40.691+/-0.005 χ^2/NDF: 7960815.5/72

In: 35.746+/-0.004 χ^2/NDF:4784457.7/56

Out: 35.836+/-0.004 χ^2/NDF:7407046.1/63

All: 35.790+/-0.003 χ^2/NDF: 12191705.0/120

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

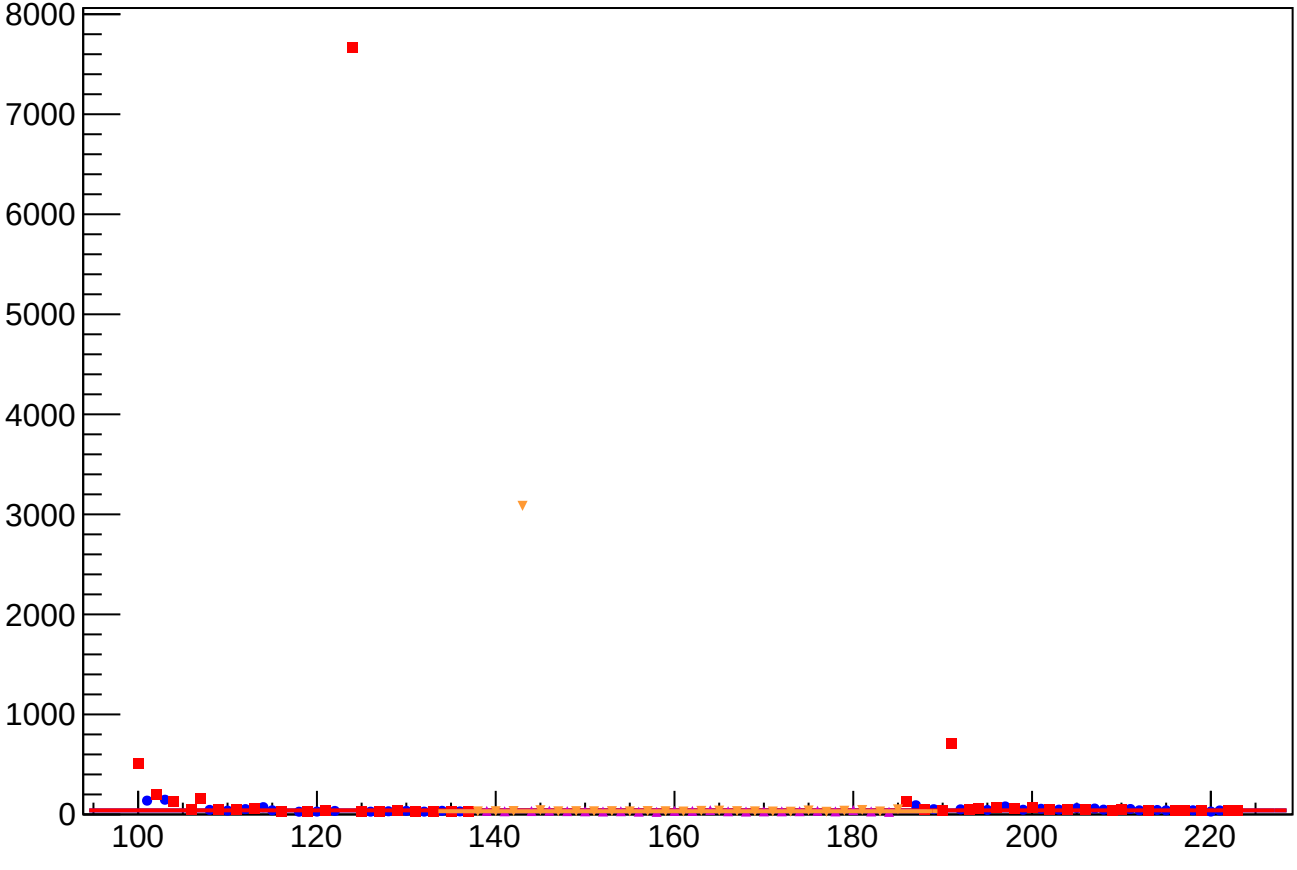
Right: -0.009+/-0.007 χ^2/NDF: 66.4/72

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.012+/-0.006 χ^2/NDF:71.4/63

All: -0.007+/-0.004 χ^2/NDF: 127.1/120

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

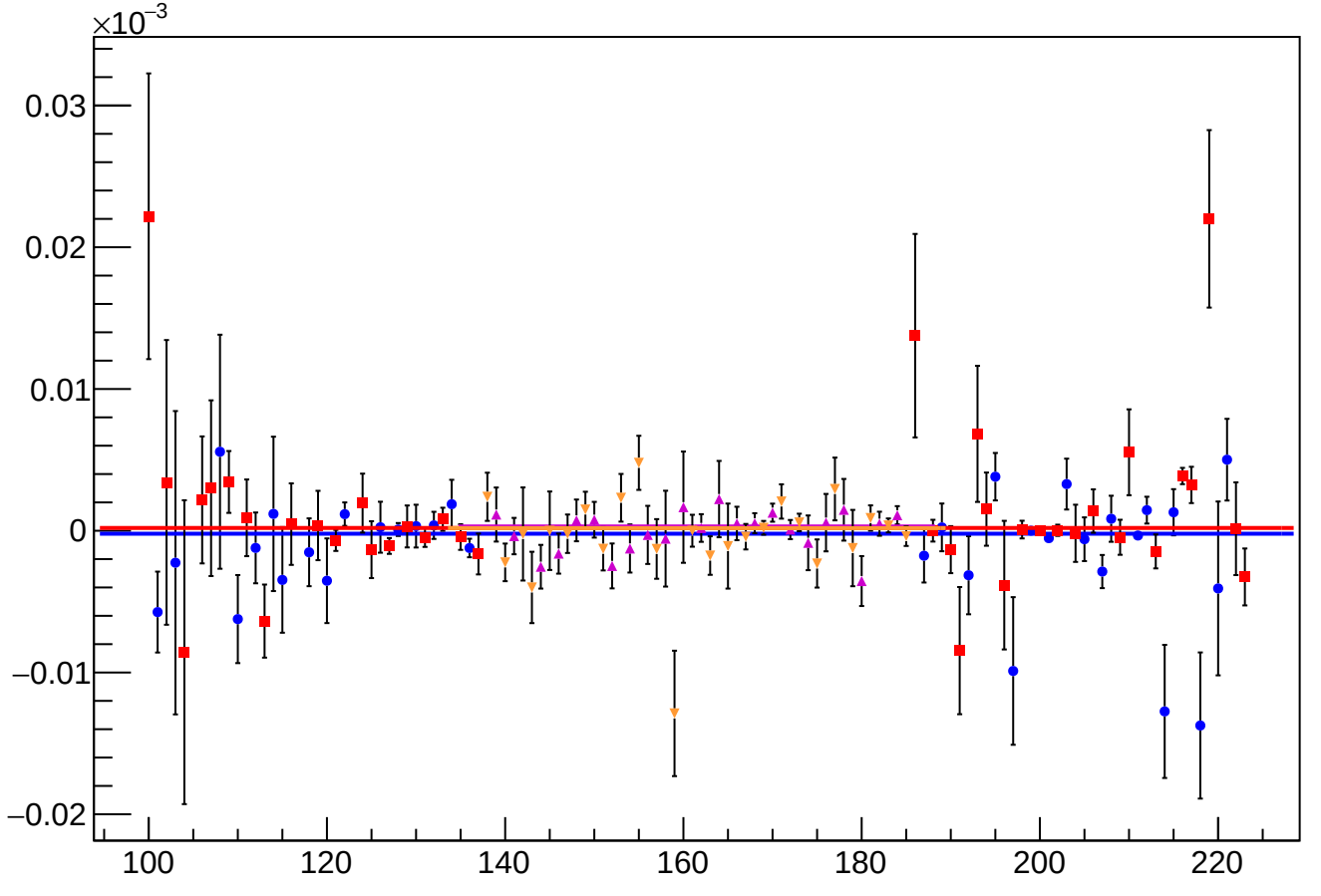
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.691+/-0.005 χ^2/NDF: 7960815.5/72

In: 35.746+/-0.004 χ^2/NDF:4784457.7/56

Out: 35.836+/-0.004 χ^2/NDF:7407046.1/63

All: 35.790+/-0.003 χ^2/NDF: 12191705.0/120



Right In: -0.000+/-0.000 χ^2/NDF: 62.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 105.6/38

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

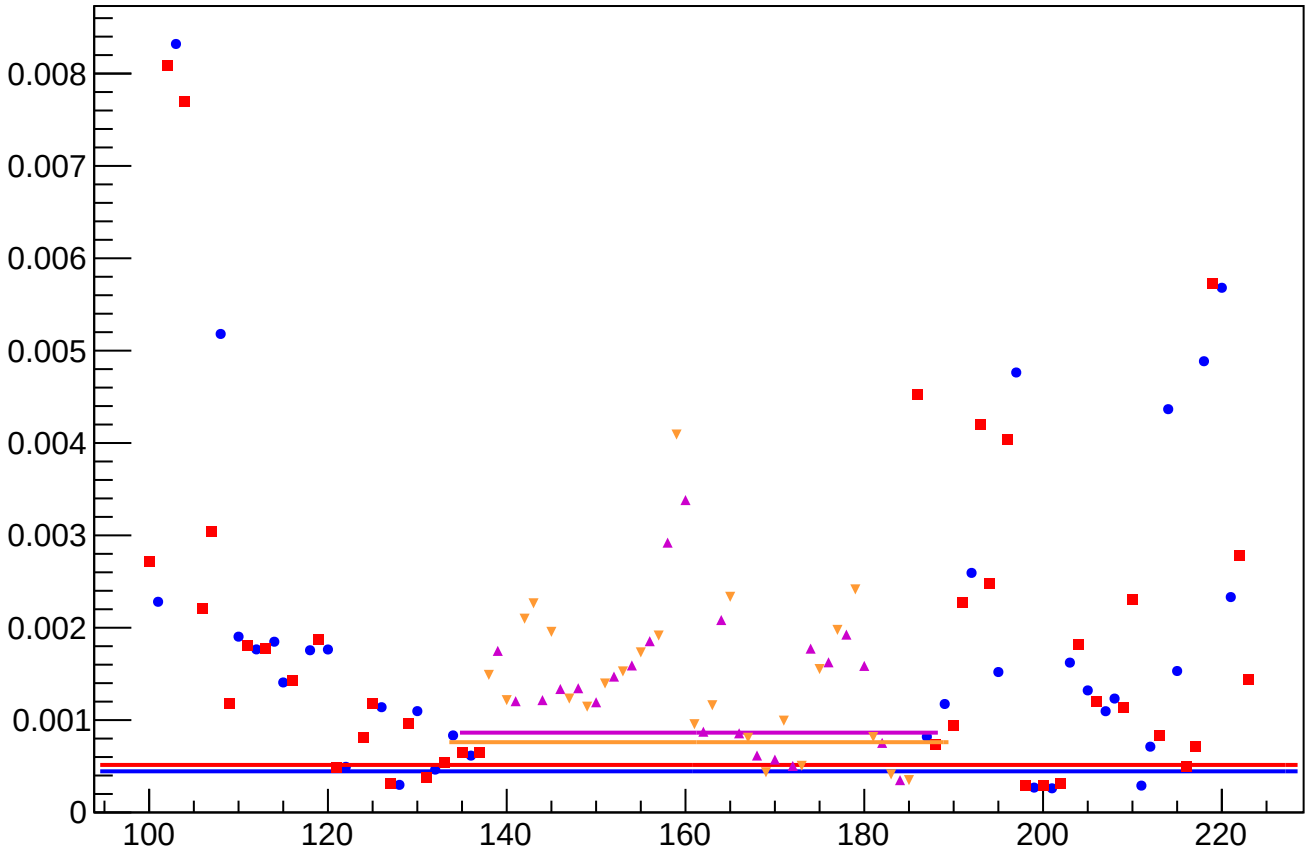
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 171.6/72

In: -0.000+/-0.000 χ^2/NDF:86.0/56

Out: 0.000+/-0.000 χ^2/NDF:143.2/63

All: 0.000+/-0.000 χ^2/NDF: 231.4/120



Right In: 0.000+/-0.000 χ^2/NDF: 20654408.7/33

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 17580905.2/38

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

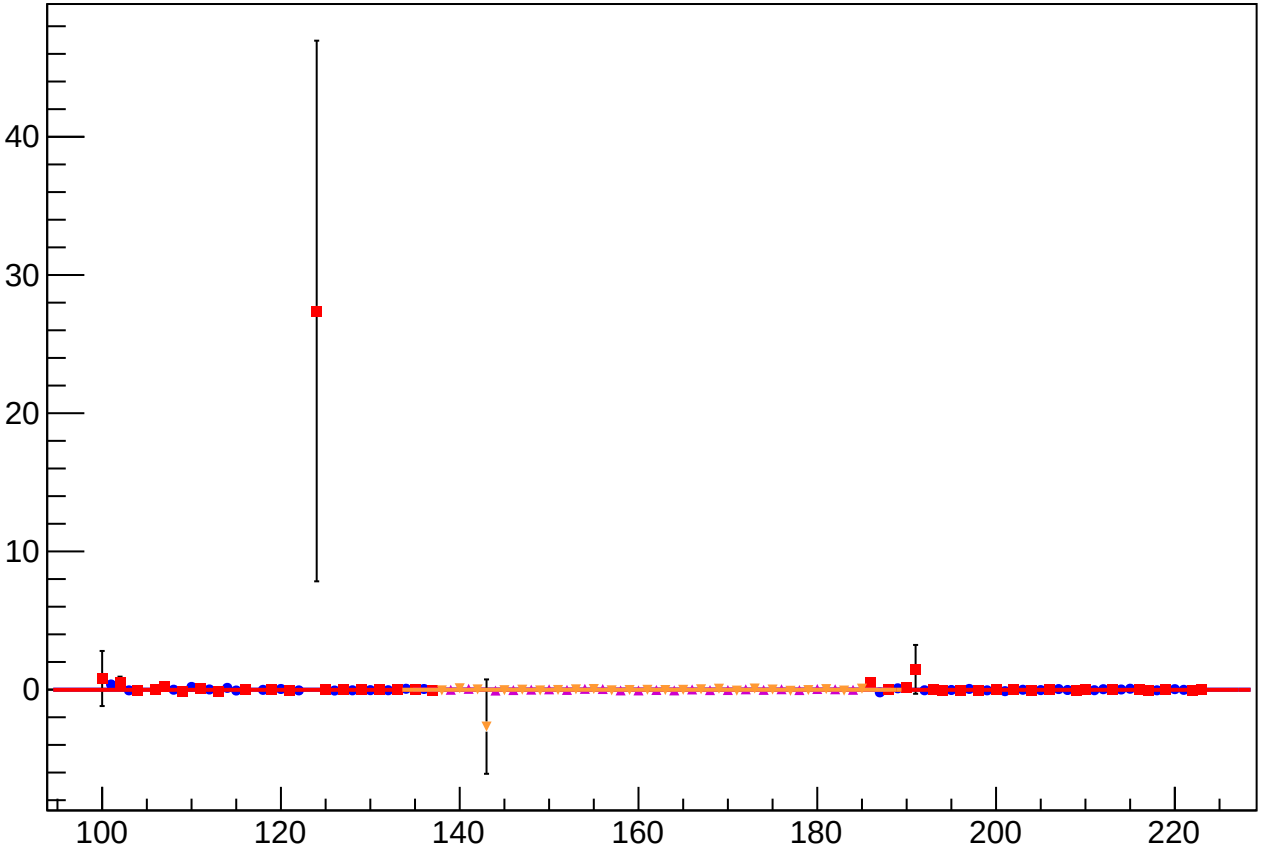
Right: 0.000+/-0.000 χ^2/NDF: 38447925.3/72

In: 0.001+/-0.000 χ^2/NDF:33617441.1/56

Out: 0.001+/-0.000 χ^2/NDF:30402212.9/63

All: 0.001+/-0.000 χ^2/NDF: 64167364.3/120

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

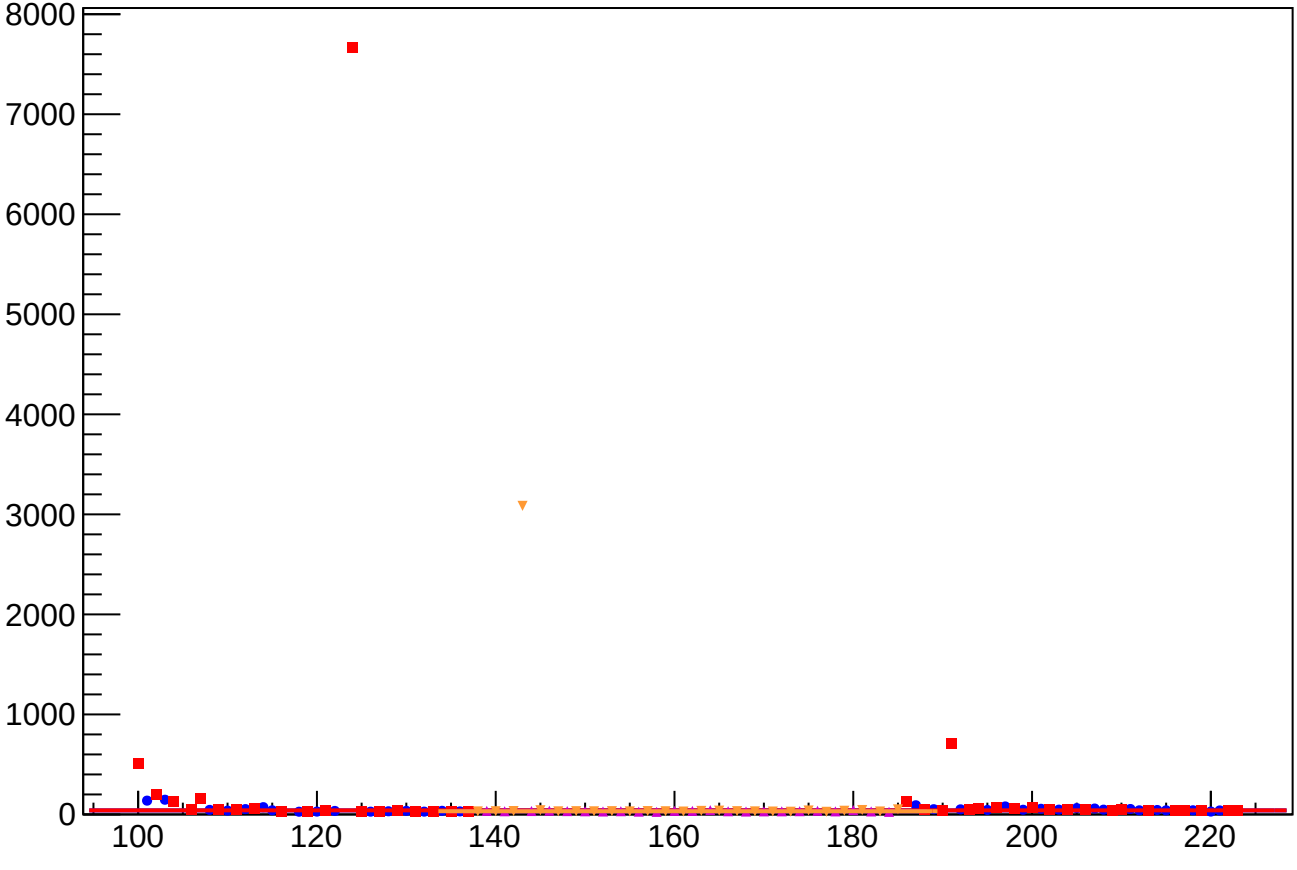
Right: -0.009+/-0.007 χ^2/NDF: 66.4/72

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.012+/-0.006 χ^2/NDF:71.4/63

All: -0.007+/-0.004 χ^2/NDF: 127.1/120

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

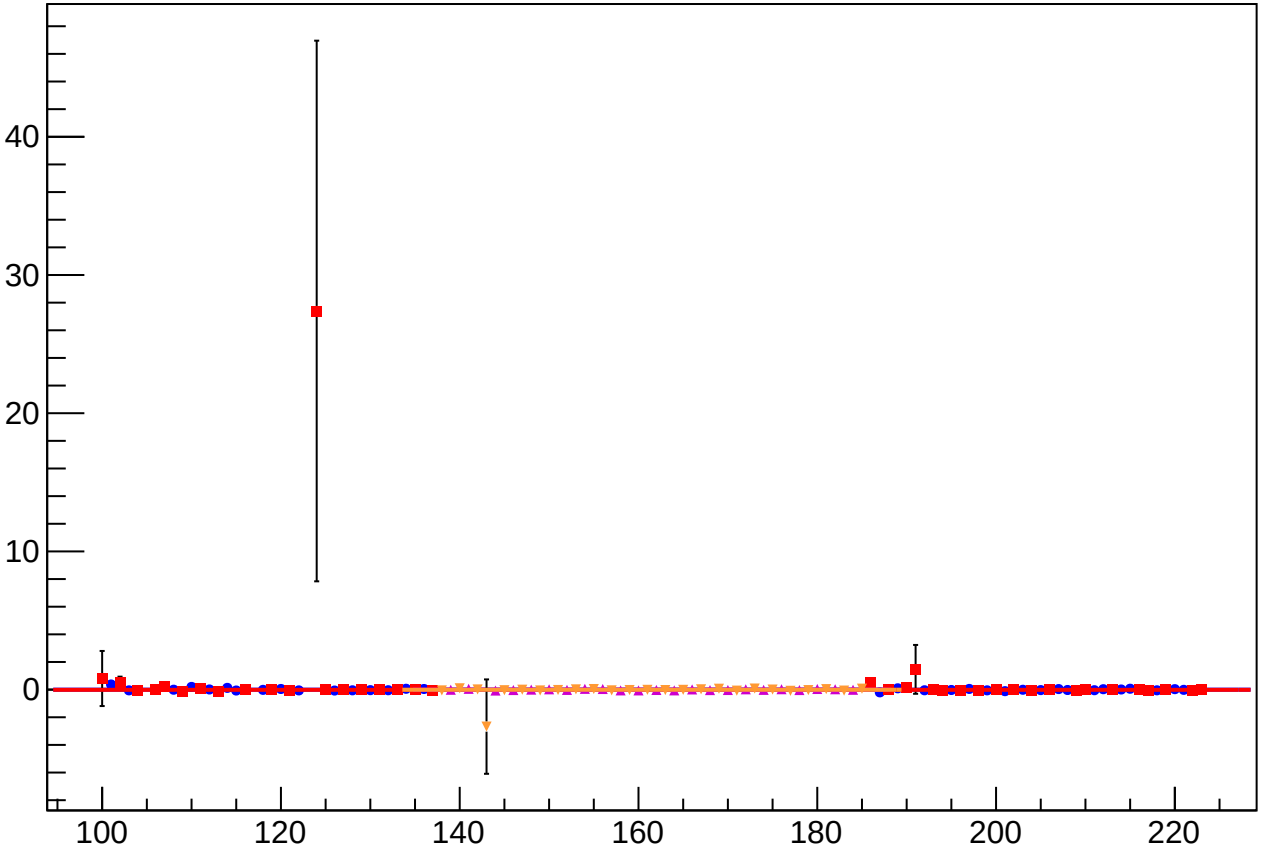
Right: 40.691+/-0.005 χ^2/NDF: 7960688.5/72

In: 35.746+/-0.004 χ^2/NDF:4784257.7/56

Out: 35.835+/-0.004 χ^2/NDF:7407107.2/63

All: 35.791+/-0.003 χ^2/NDF: 12191564.5/120

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

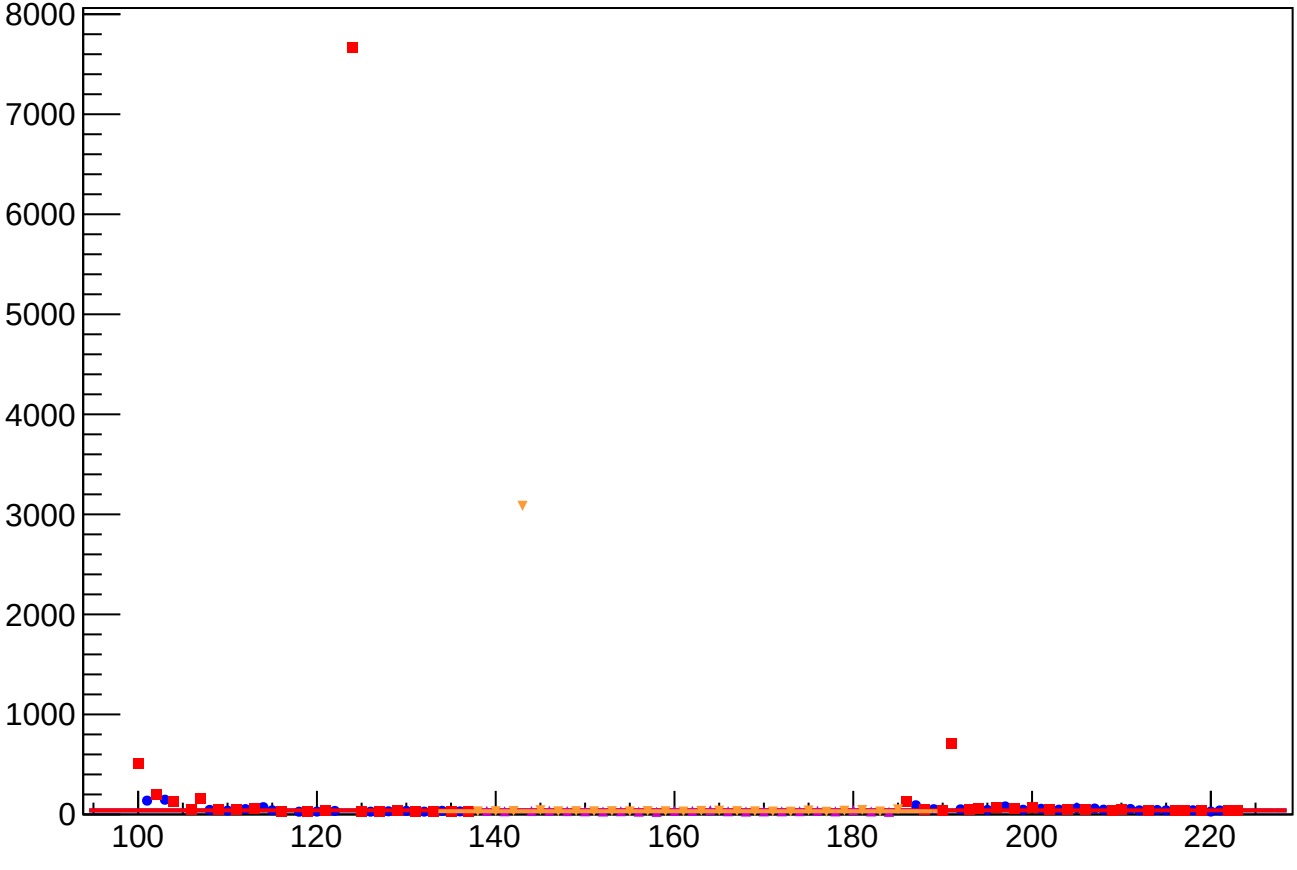
Right: -0.009+/-0.007 χ^2/NDF: 66.4/72

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.012+/-0.006 χ^2/NDF:71.4/63

All: -0.007+/-0.004 χ^2/NDF: 127.1/120

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

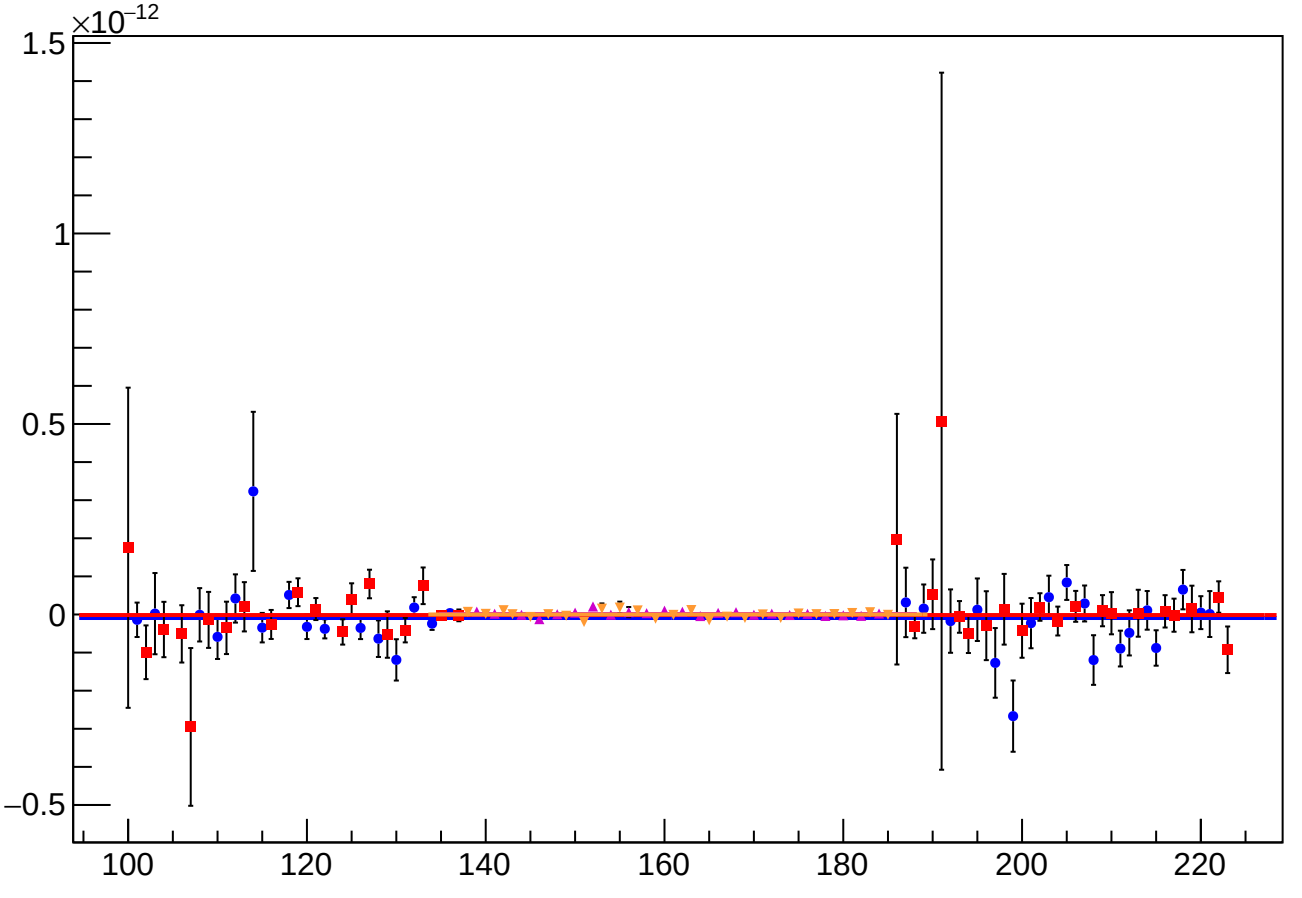
Right: 40.691+/-0.005 χ^2/NDF: 7960688.5/72

In: 35.746+/-0.004 χ^2/NDF:4784257.7/56

Out: 35.835+/-0.004 χ^2/NDF:7407107.2/63

All: 35.791+/-0.003 χ^2/NDF: 12191564.5/120

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

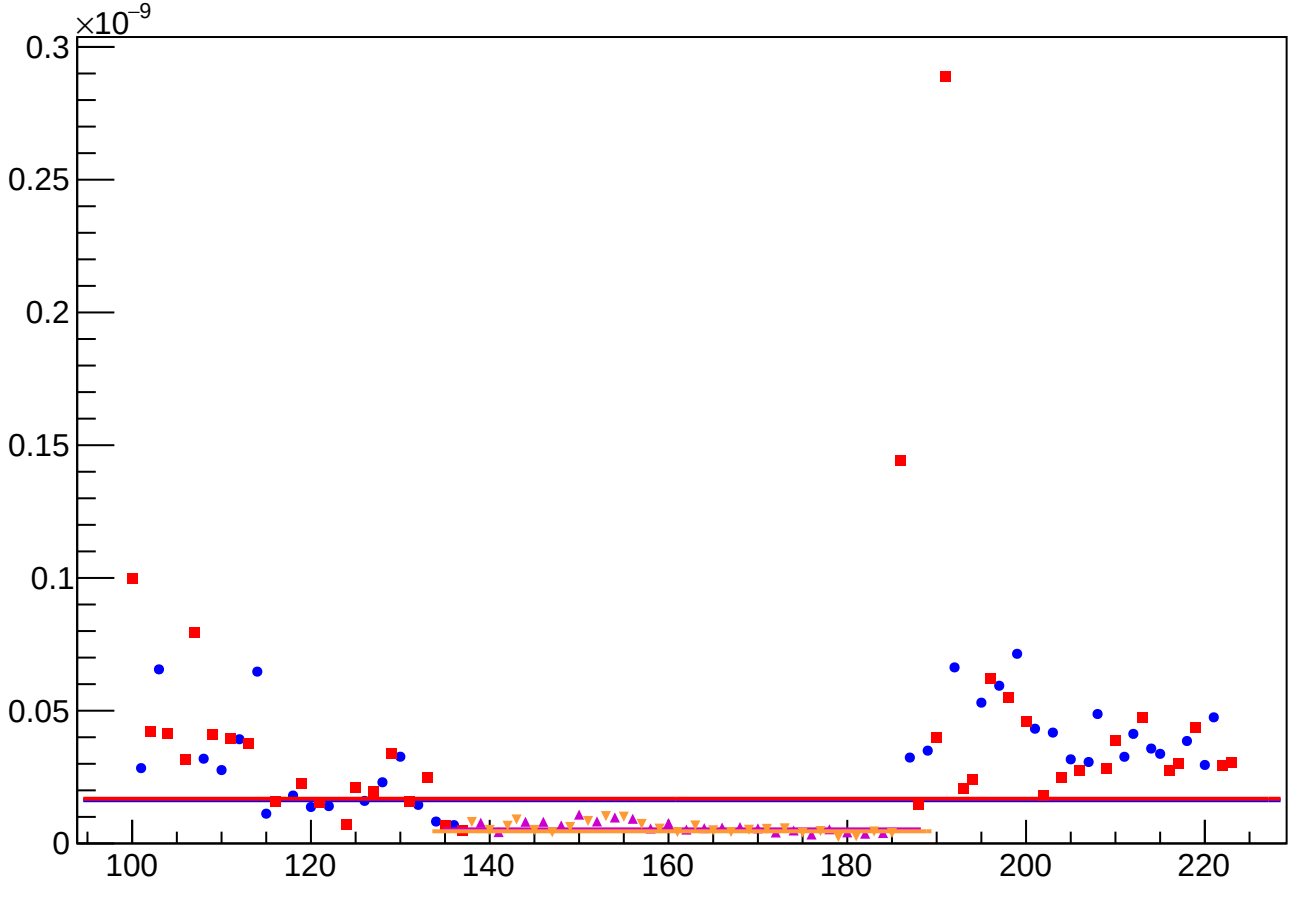
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 76.0/72

In: 0.000+/-0.000 χ^2/NDF:58.3/56

Out: -0.000+/-0.000 χ^2/NDF:50.1/63

All: 0.000+/-0.000 χ^2/NDF: 108.4/120



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

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

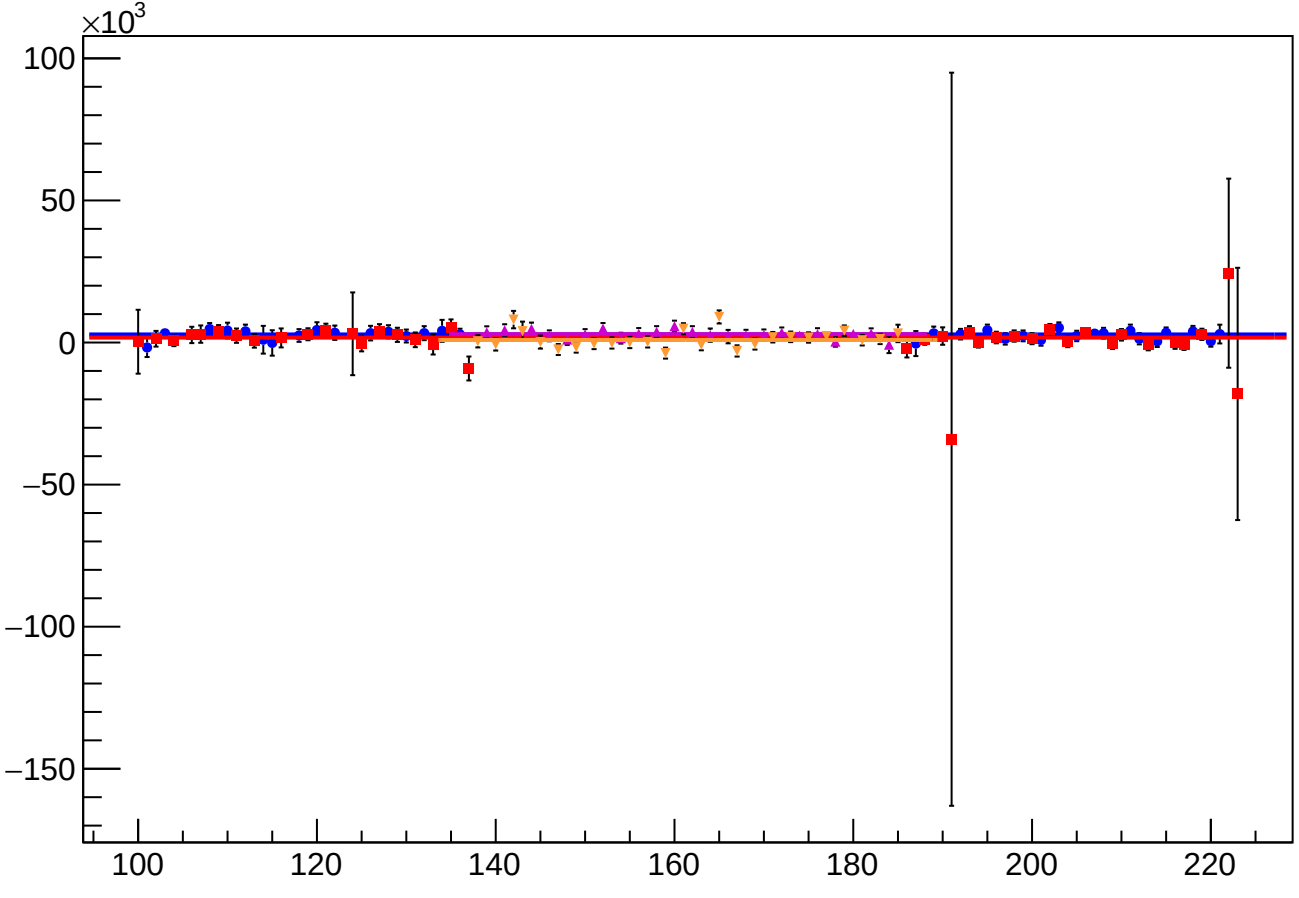
Right: 0.000+/-0.000 χ^2/NDF: 19043260.1/72

In: 0.000+/-0.000 χ^2/NDF:19326490.6/56

Out: 0.000+/-0.000 χ^2/NDF:19113094.6/63

All: 0.000+/-0.000 χ^2/NDF: 38768789.9/120

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

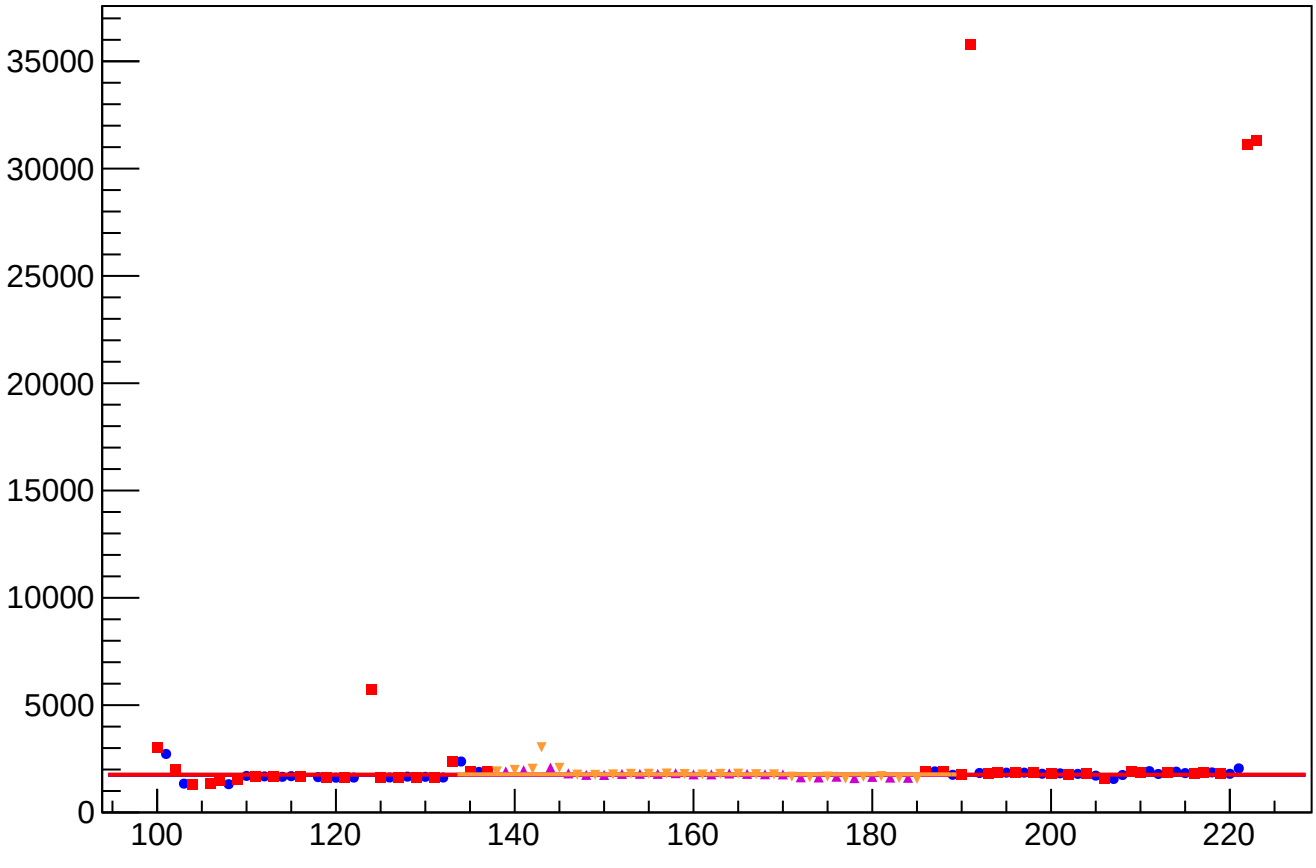
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

Right: 2294.009+/-270.683 χ^2/NDF: 45.7/72

In: 2889.321+/-279.758 χ^2/NDF:23.8/56

Out: 1338.822+/-279.064 χ^2/NDF:75.8/63

All: 2112.147+/-197.573 χ^2/NDF: 115.0/120



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

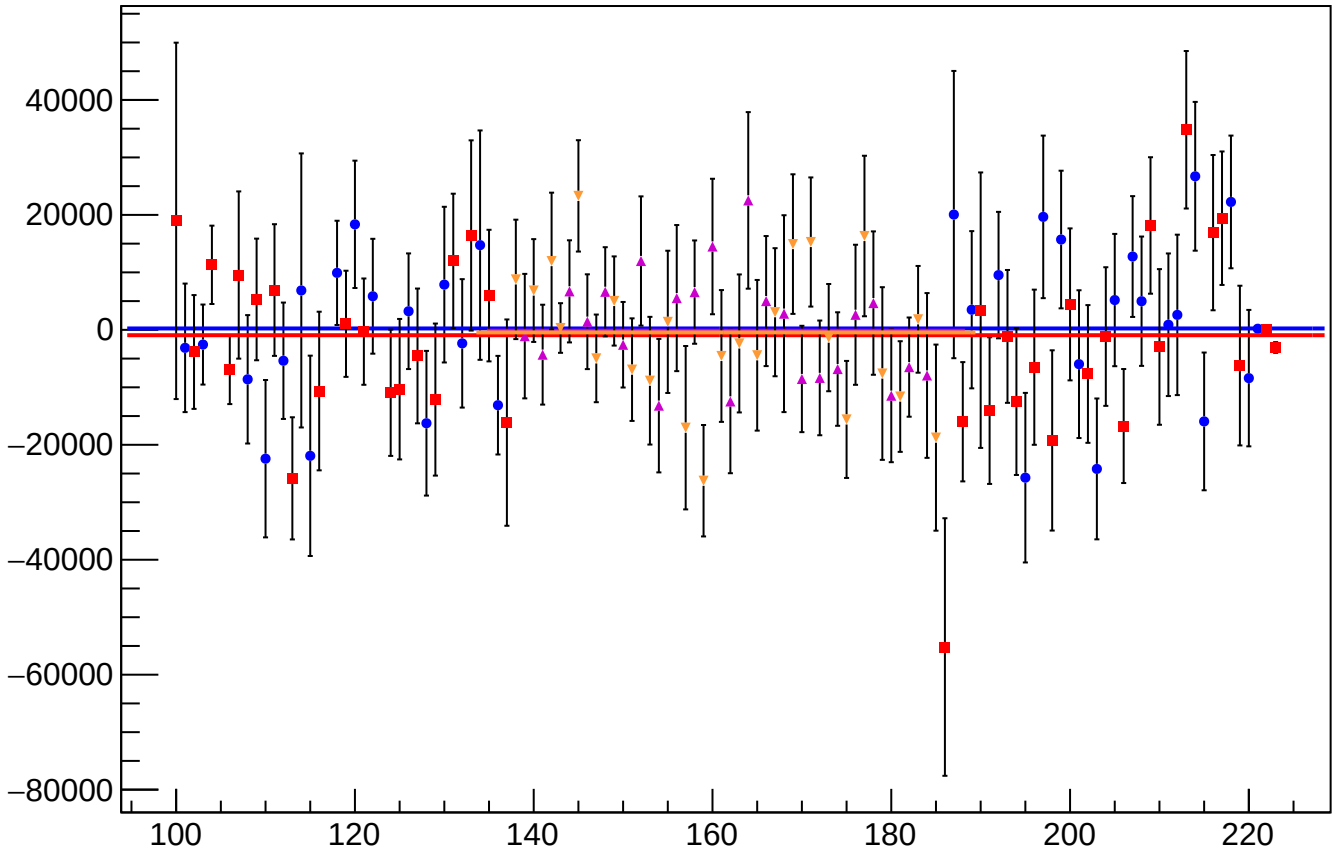
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1755.634+/-0.191 χ^2/NDF: 3742240.6/72

In: 1756.158+/-0.198 χ^2/NDF:705701.2/56

Out: 1766.657+/-0.197 χ^2/NDF:3631359.8/63

All: 1761.420+/-0.140 χ^2/NDF: 4338472.8/12



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

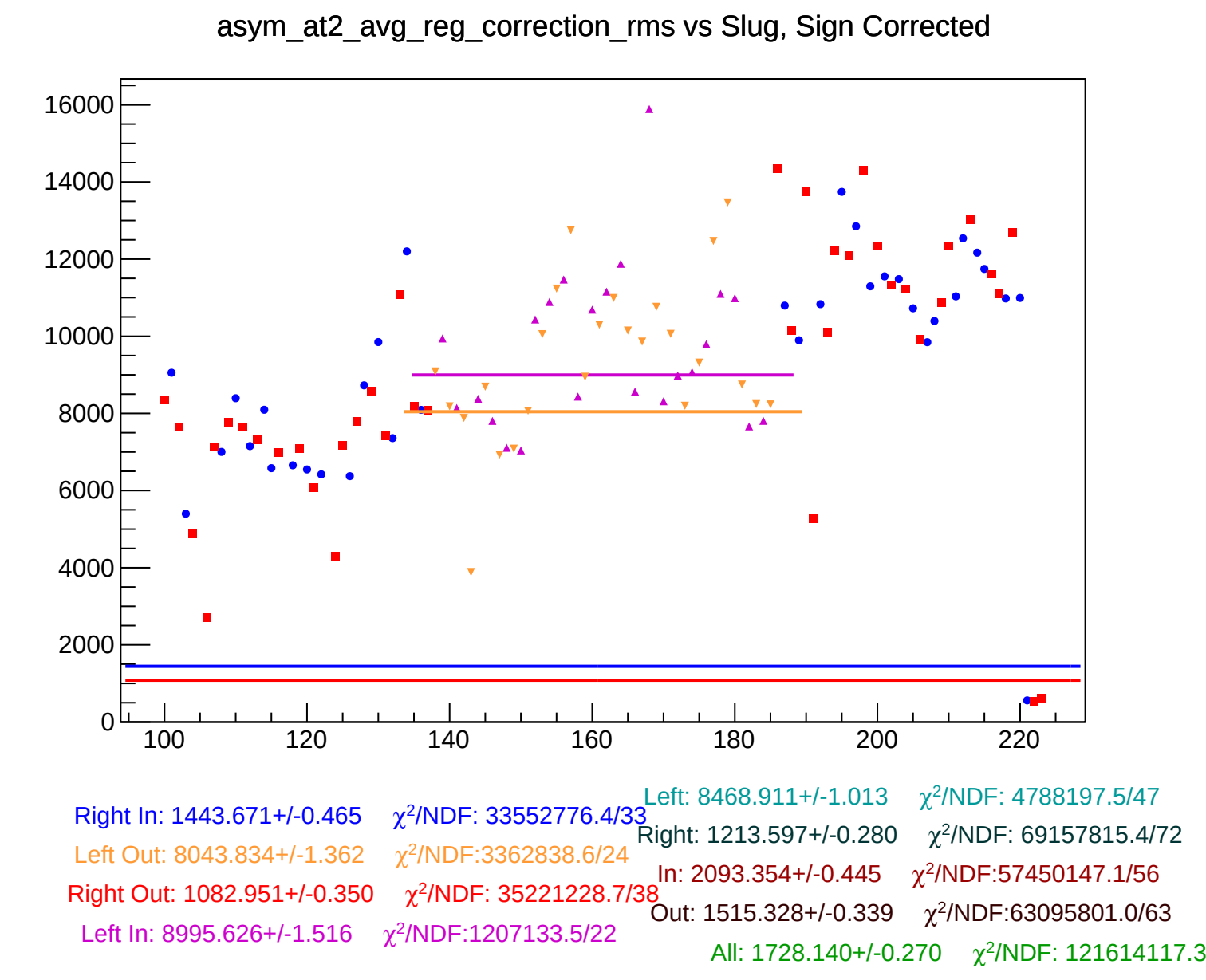
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -507.403+/-395.767 χ^2/NDF: 95.8/72

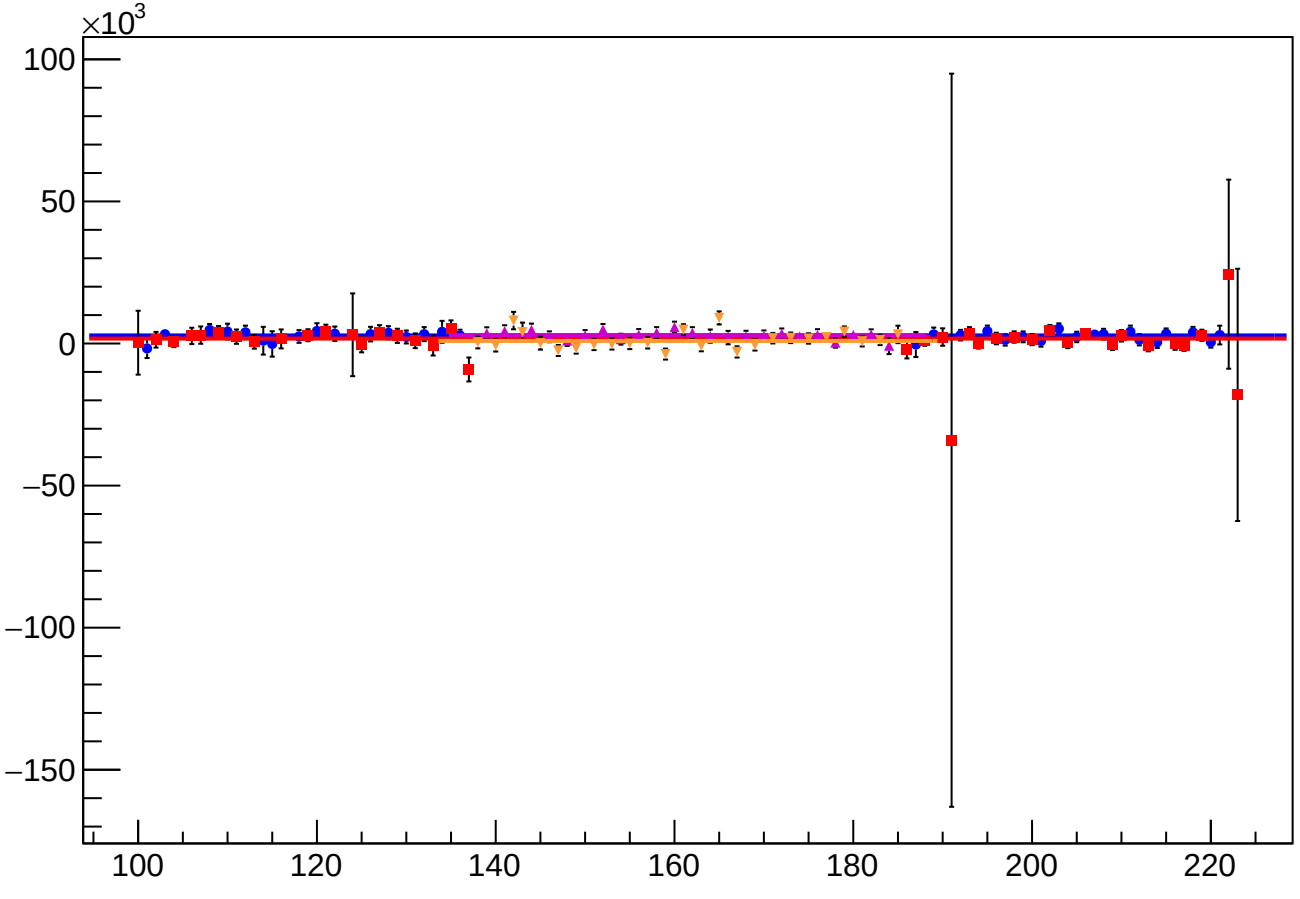
In: 207.304+/-628.698 χ^2/NDF:52.9/56

Out: -902.235+/-479.917 χ^2/NDF:84.2/63

All: -493.736+/-381.475 χ^2/NDF: 139.1/120


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
220
Right In: 1443.671+/-0.465 χ²/NDF: 33552776.4/33
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 1082.951+/-0.350 χ²/NDF: 35221228.7/38
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 1213.597+/-0.280 χ²/NDF: 69157815.4/72
In: 2093.354+/-0.445 χ²/NDF:57450147.1/56
Out: 1515.328+/-0.339 χ²/NDF:63095801.0/63
All: 1728.140+/-0.270 χ²/NDF: 121614117.3

cor_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

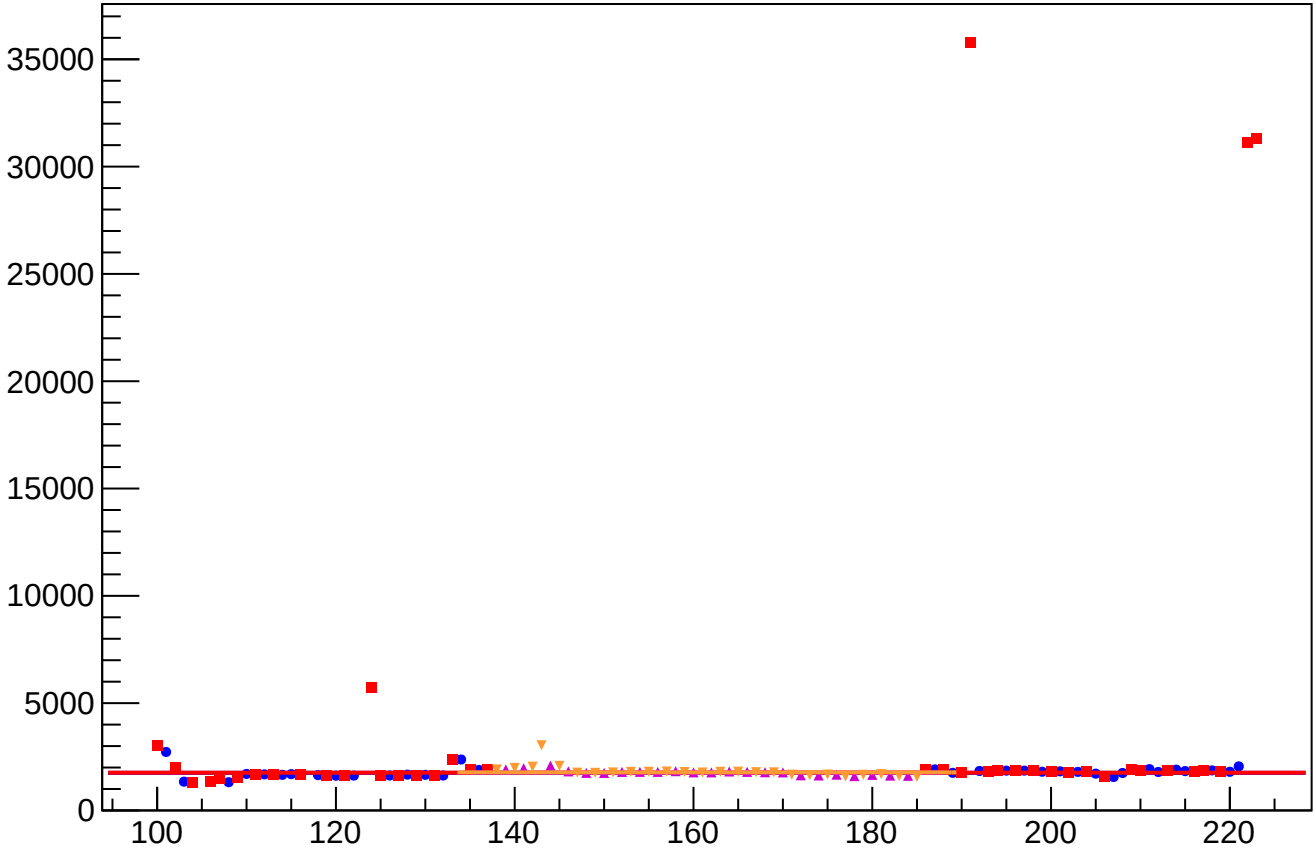
Right: 2294.003+/-270.683 χ^2/NDF: 45.7/72

In: 2889.277+/-279.758 χ^2/NDF:23.8/56

Out: 1338.770+/-279.064 χ^2/NDF:75.8/63

All: 2112.099+/-197.573 χ^2/NDF: 115.0/120

cor_asym_at2_avg_rms vs Slug, Sign Corrected



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

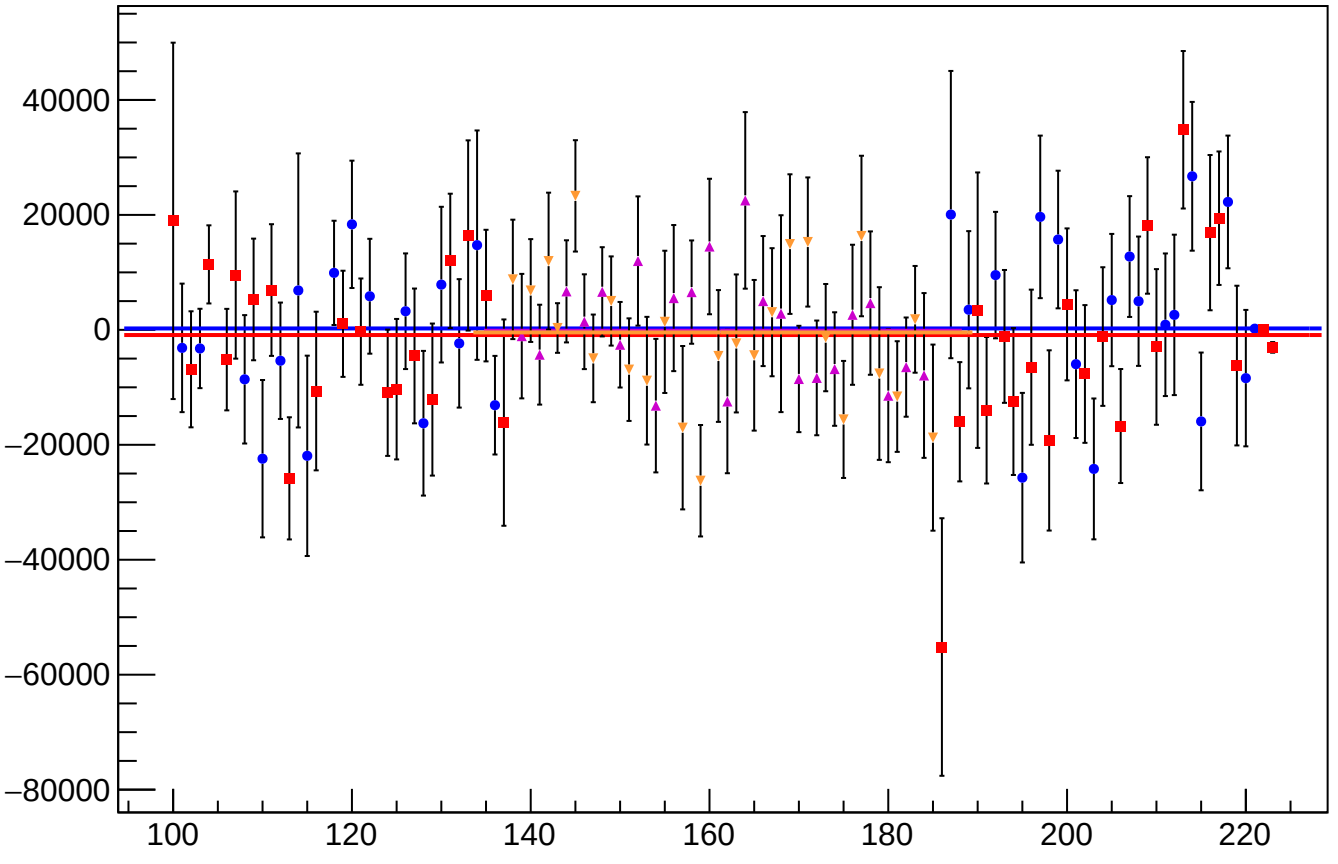
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1755.634+/-0.191 χ^2/NDF: 3742241.3/72

In: 1756.158+/-0.198 χ^2/NDF:705701.7/56

Out: 1766.656+/-0.197 χ^2/NDF:3631360.0/63

All: 1761.420+/-0.140 χ^2/NDF: 4338473.5/12



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

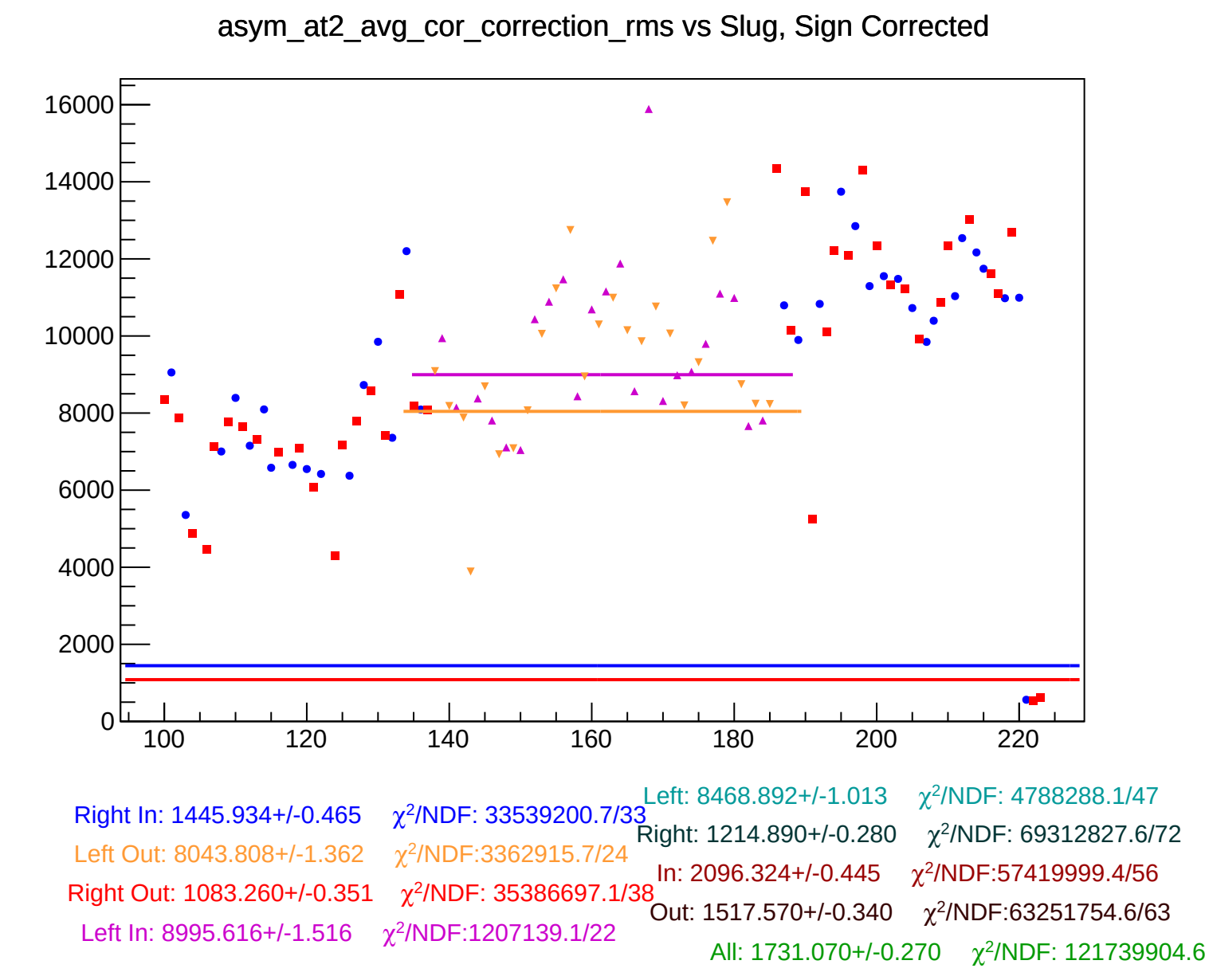
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

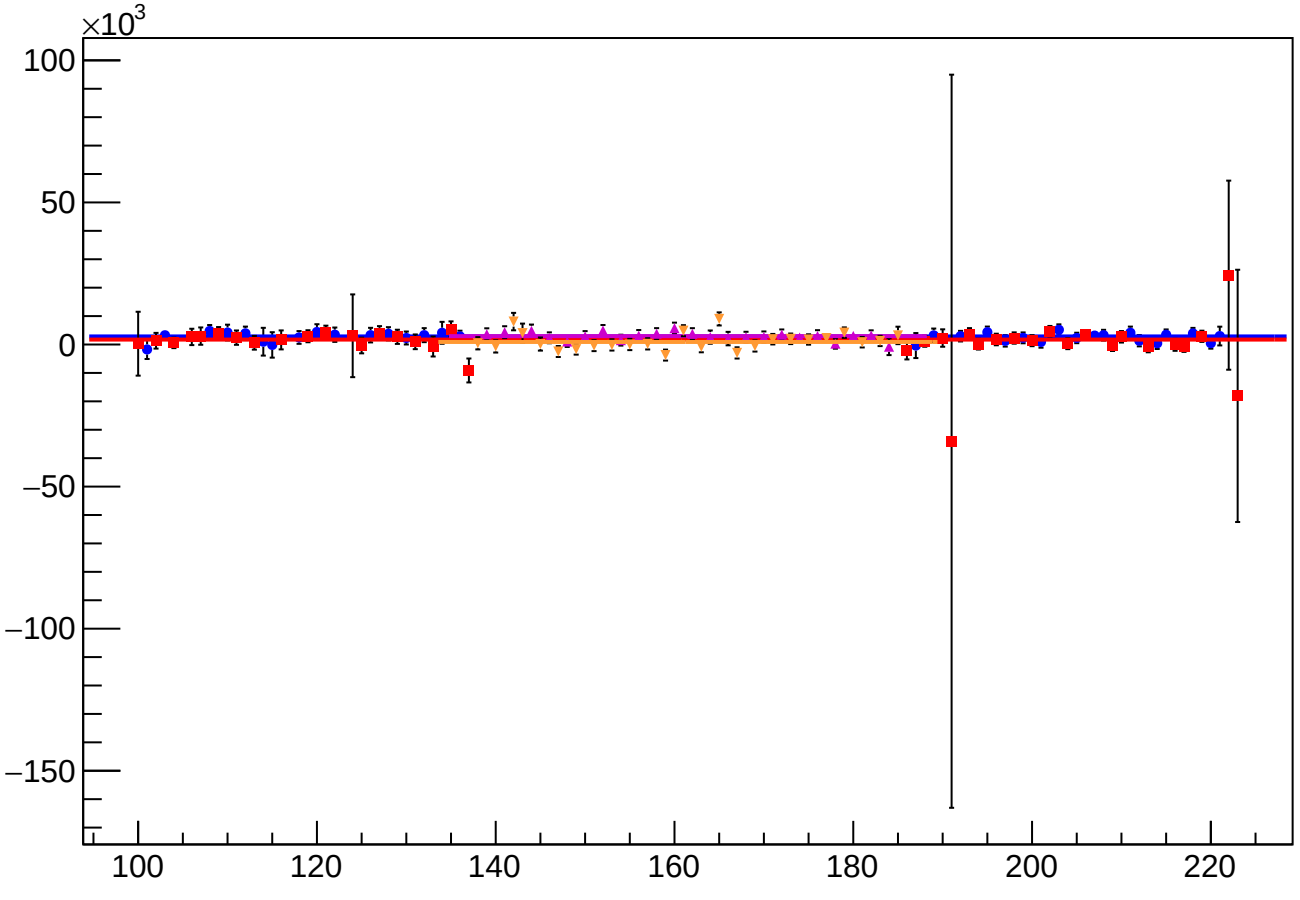
Right: -486.248+/-396.483 χ^2/NDF: 95.3/72

In: 209.513+/-629.134 χ^2/NDF:53.0/56

Out: -873.595+/-480.999 χ^2/NDF:83.7/63

All: -474.041+/-382.116 χ^2/NDF: 138.6/120


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
220
Right In: 1445.934+/-0.465 χ²/NDF: 33539200.7/33
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 1083.260+/-0.351 χ²/NDF: 35386697.1/38
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 1214.890+/-0.280 χ²/NDF: 69312827.6/72
In: 2096.324+/-0.445 χ²/NDF:57419999.4/56
Out: 1517.570+/-0.340 χ²/NDF:63251754.6/63
All: 1731.070+/-0.270 χ²/NDF: 121739904.6



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

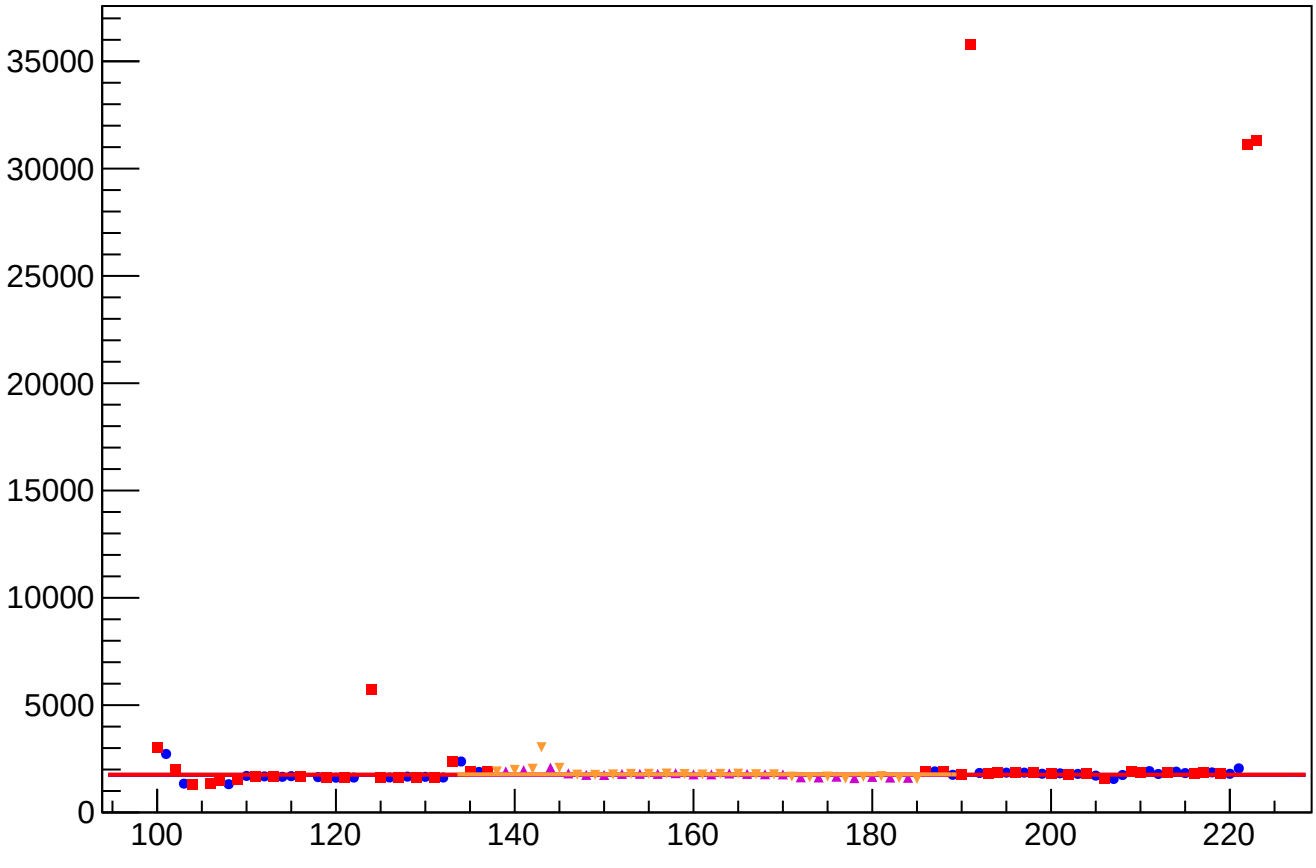
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2294.003+/-270.683 χ^2/NDF: 45.7/72

In: 2889.277+/-279.758 χ^2/NDF:23.8/56

Out: 1338.770+/-279.064 χ^2/NDF:75.8/63

All: 2112.099+/-197.573 χ^2/NDF: 115.0/120



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

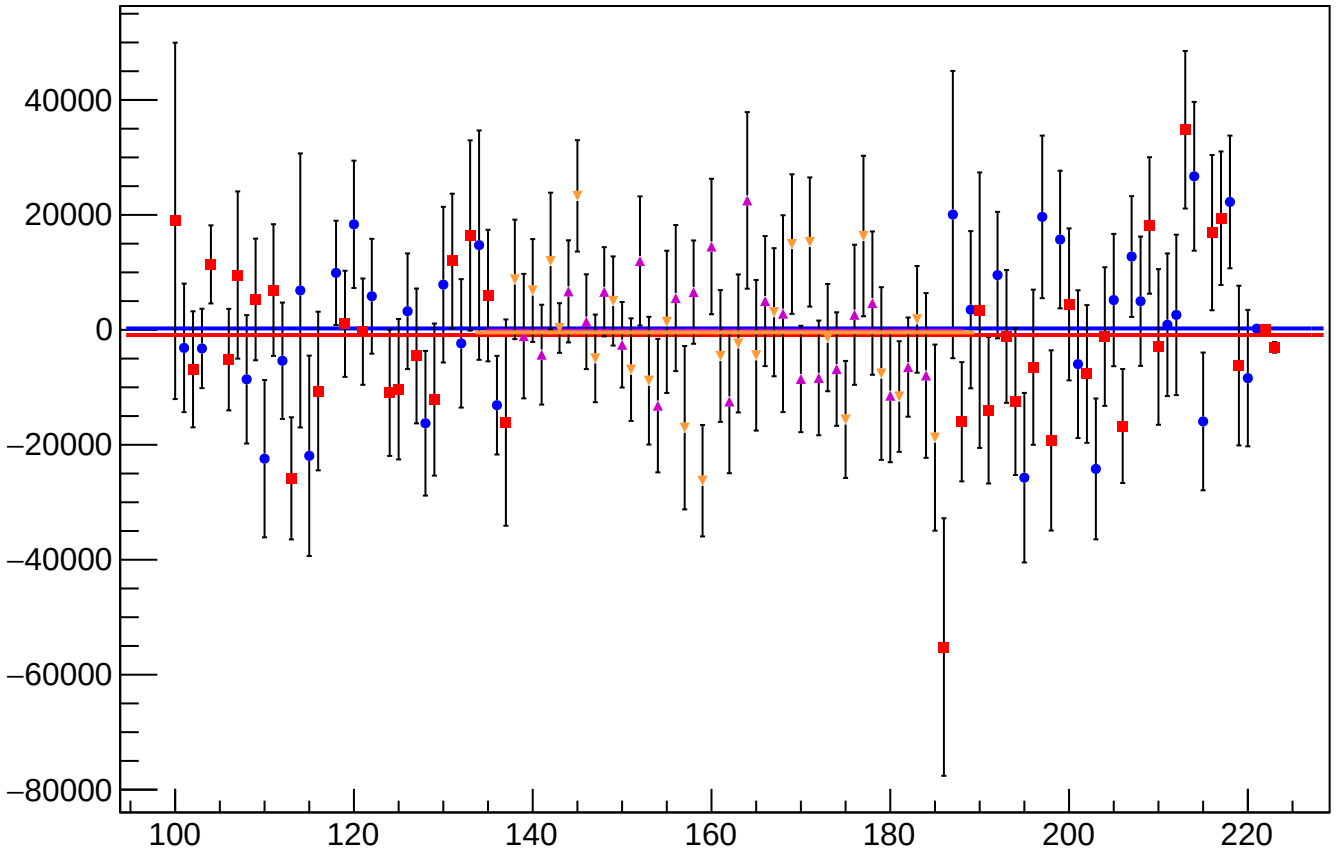
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1755.634+/-0.191 χ^2/NDF: 3742241.3/72

In: 1756.158+/-0.198 χ^2/NDF:705701.7/56

Out: 1766.656+/-0.197 χ^2/NDF:3631360.0/63

All: 1761.420+/-0.140 χ^2/NDF: 4338473.5/12



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

Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

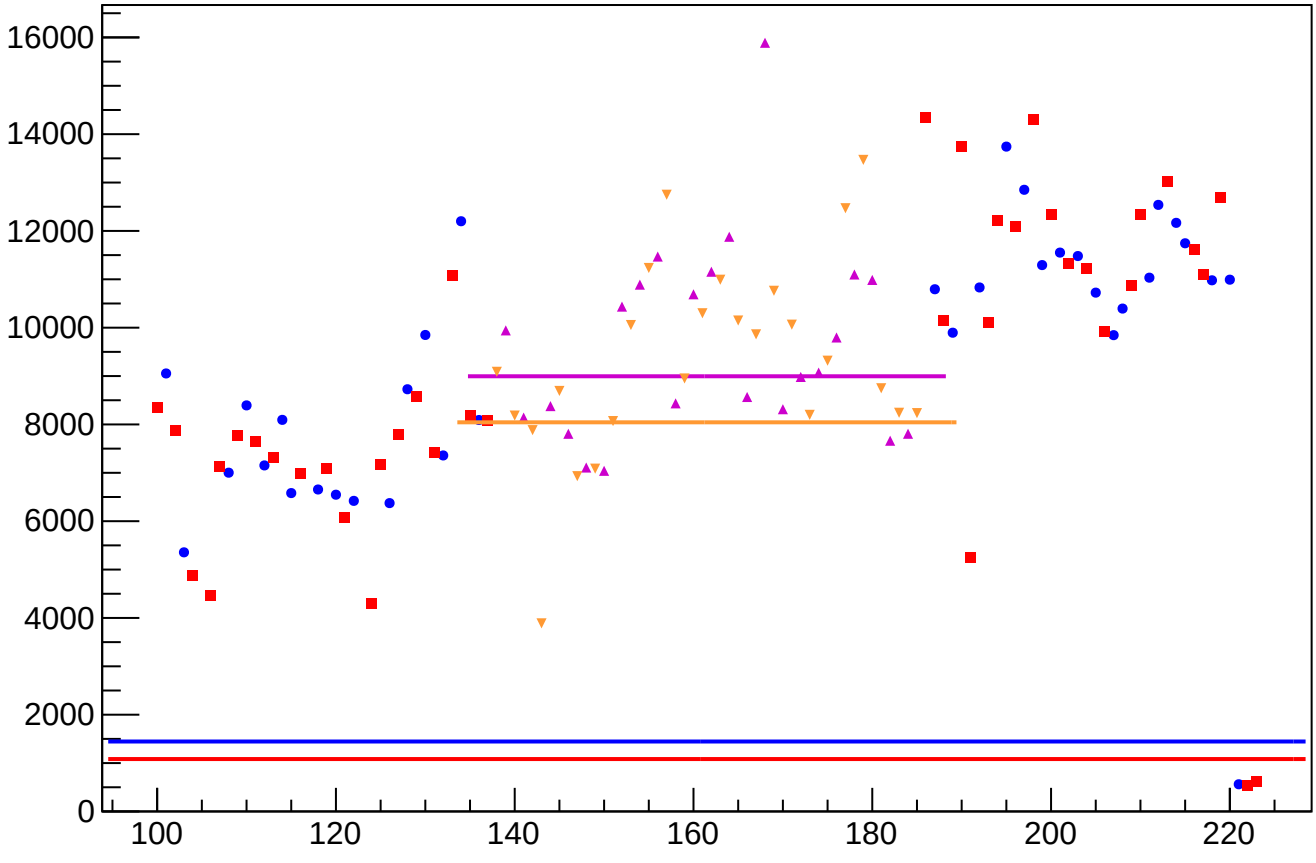
Right: -486.248+/-396.483 χ^2/NDF: 95.3/72

In: 209.513+/-629.134 χ^2/NDF:53.0/56

Out: -873.595+/-480.999 χ^2/NDF:83.7/63

All: -474.041+/-382.116 χ^2/NDF: 138.6/120

asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

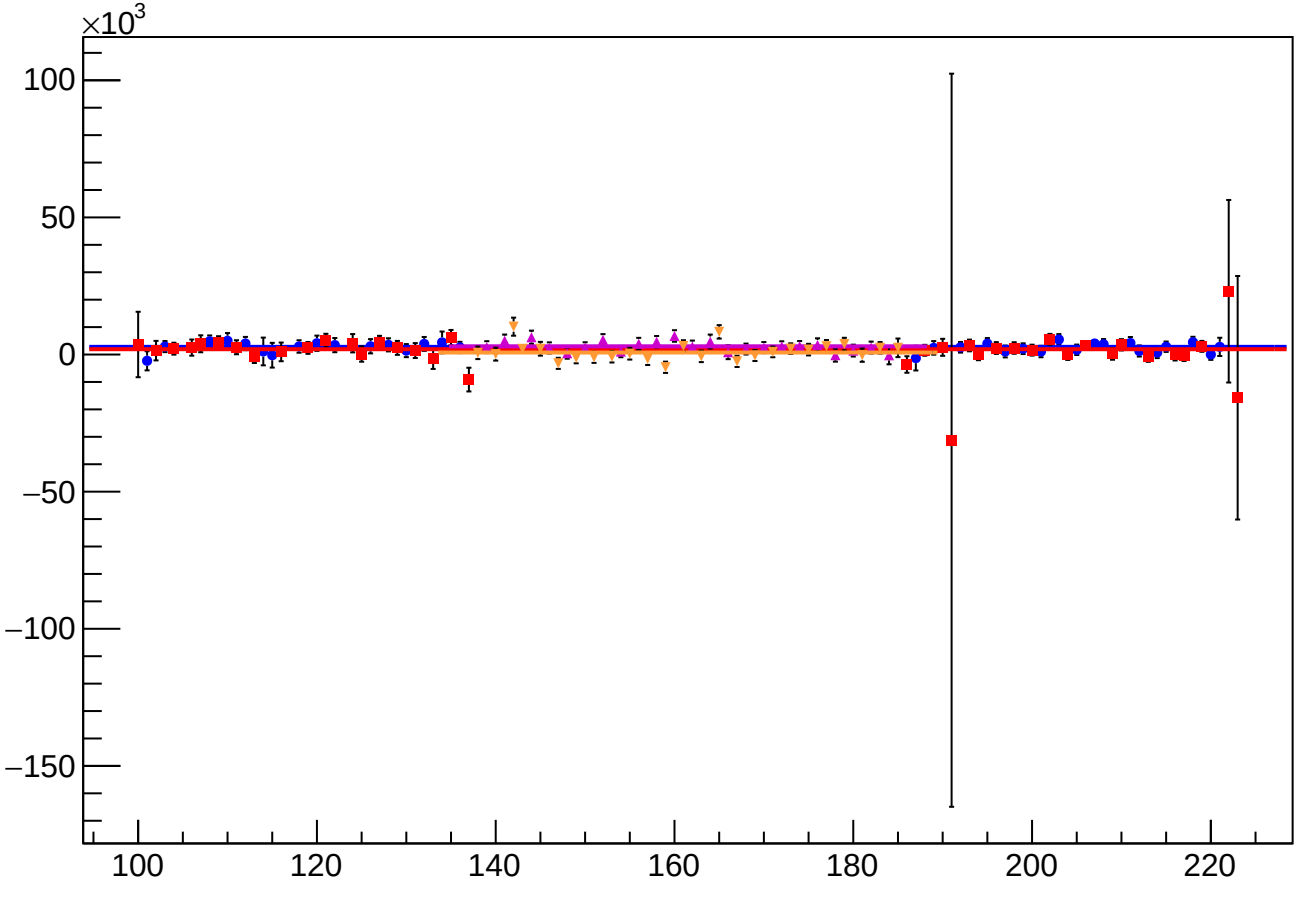
Right: 1214.890+/-0.280 χ^2/NDF: 69312827.6/72

In: 2096.324+/-0.445 χ^2/NDF:57419999.4/56

Out: 1517.570+/-0.340 χ^2/NDF:63251754.6/63

All: 1731.070+/-0.270 χ^2/NDF: 121739904.6

dit_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

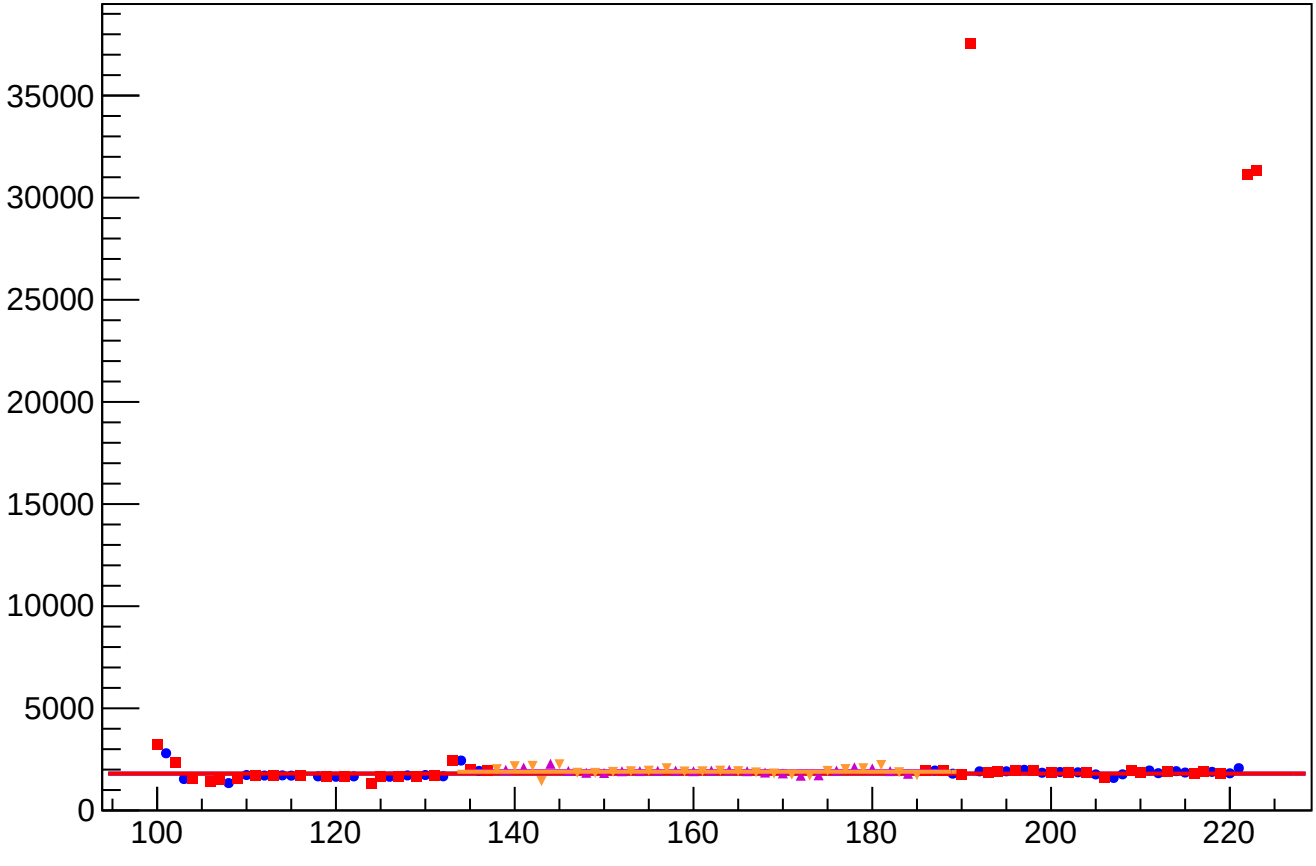
Right: 2374.342+/-278.213 χ^2/NDF: 50.8/72

In: 2877.736+/-295.733 χ^2/NDF:31.4/56

Out: 1395.843+/-291.693 χ^2/NDF:78.5/63

All: 2126.598+/-207.672 χ^2/NDF: 122.7/120

dit_asym_at2_avg_rms vs Slug, Sign Corrected



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

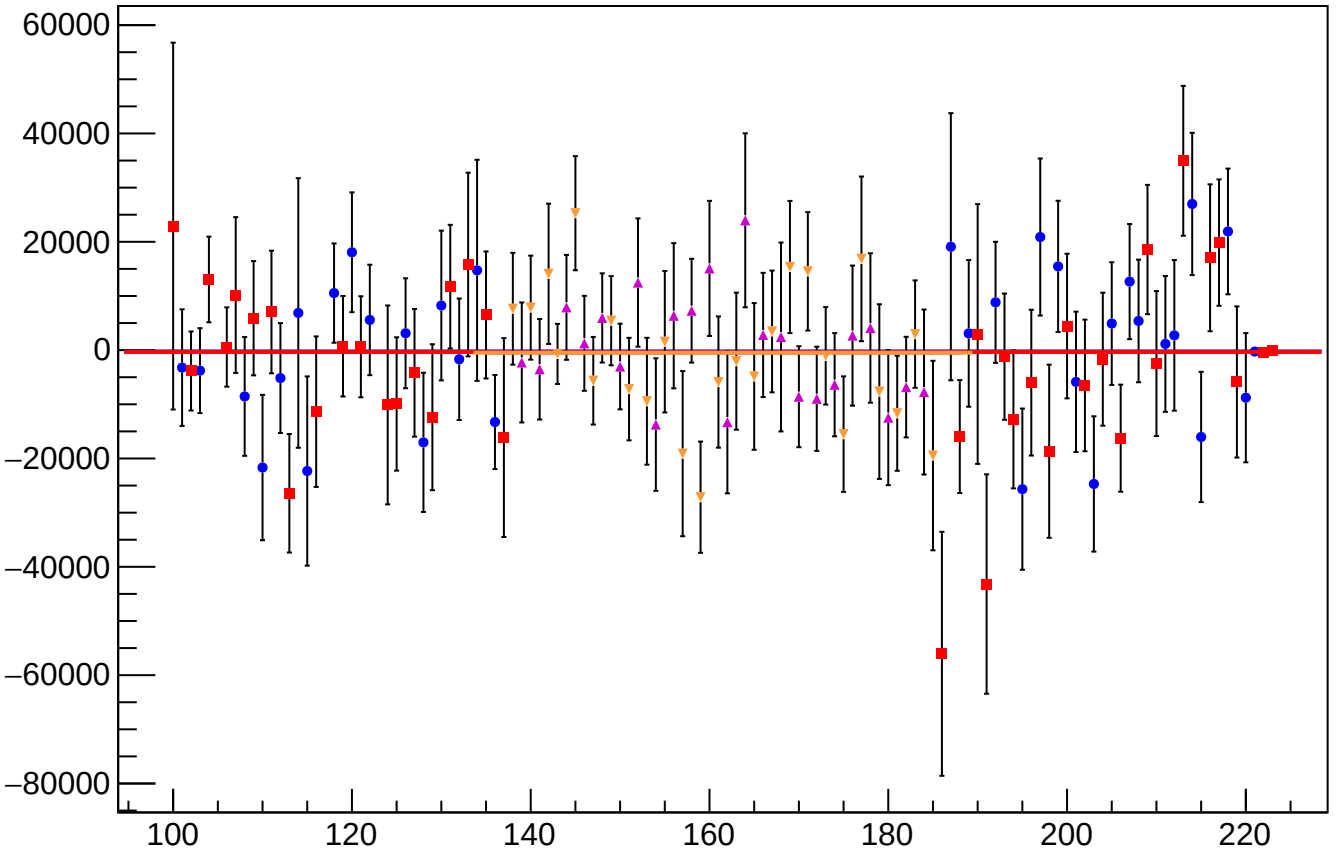
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1804.306+/-0.197 χ^2/NDF: 3526500.9/72

In: 1855.182+/-0.209 χ^2/NDF:727862.9/56

Out: 1845.655+/-0.206 χ^2/NDF:3445023.4/63

All: 1850.353+/-0.147 χ^2/NDF: 4173938.4/12



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

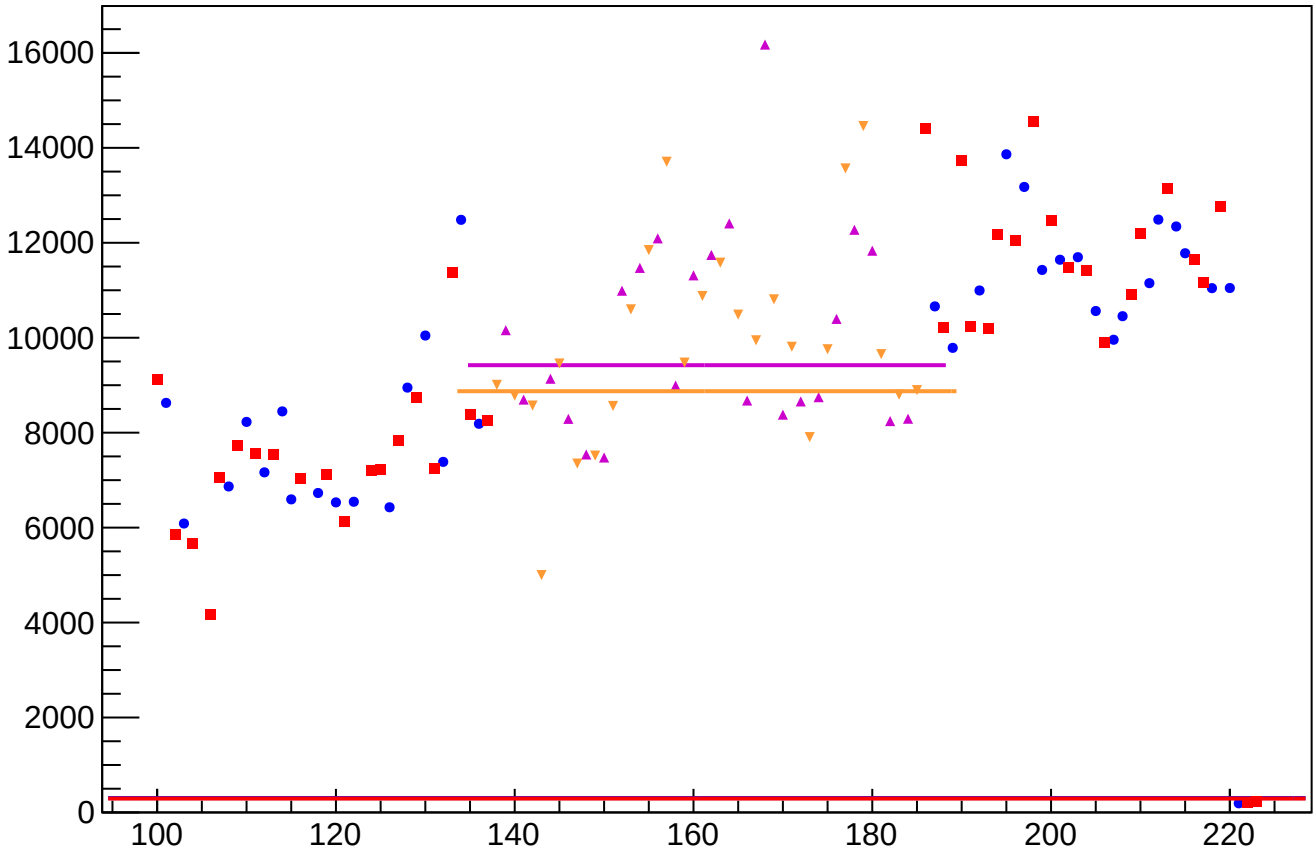
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -293.255+/-145.250 χ^2/NDF: 88.3/72

In: -252.970+/-227.112 χ^2/NDF:52.6/56

Out: -323.218+/-187.519 χ^2/NDF:78.0/63

All: -294.741+/-144.600 χ^2/NDF: 130.7/120



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

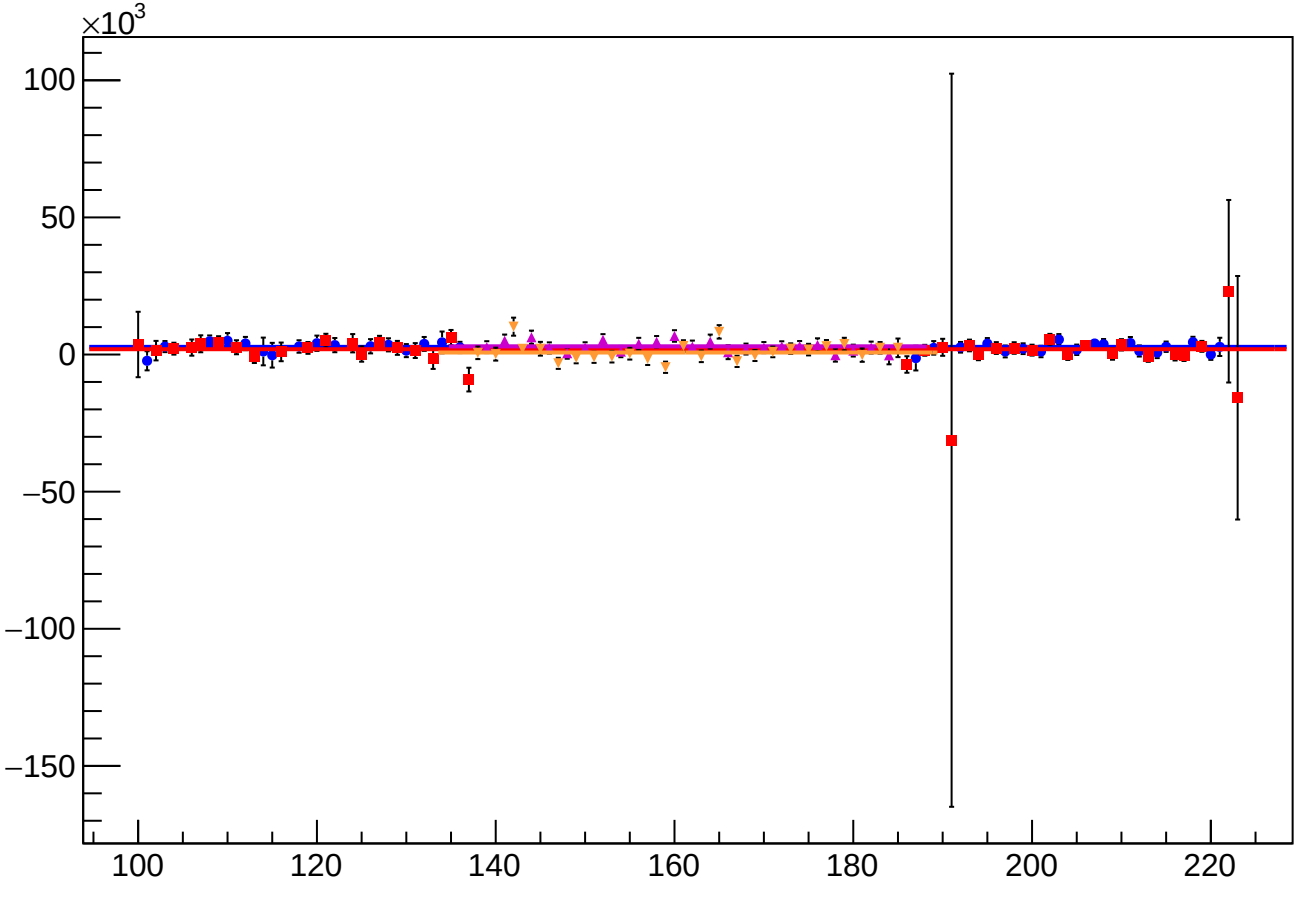
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 296.958+/-0.103 χ^2/NDF: 80356402.3/72

In: 395.687+/-0.161 χ^2/NDF:73628500.2/56

Out: 362.396+/-0.133 χ^2/NDF:76253739.9/63

All: 375.891+/-0.102 χ^2/NDF: 149907793.3/1



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

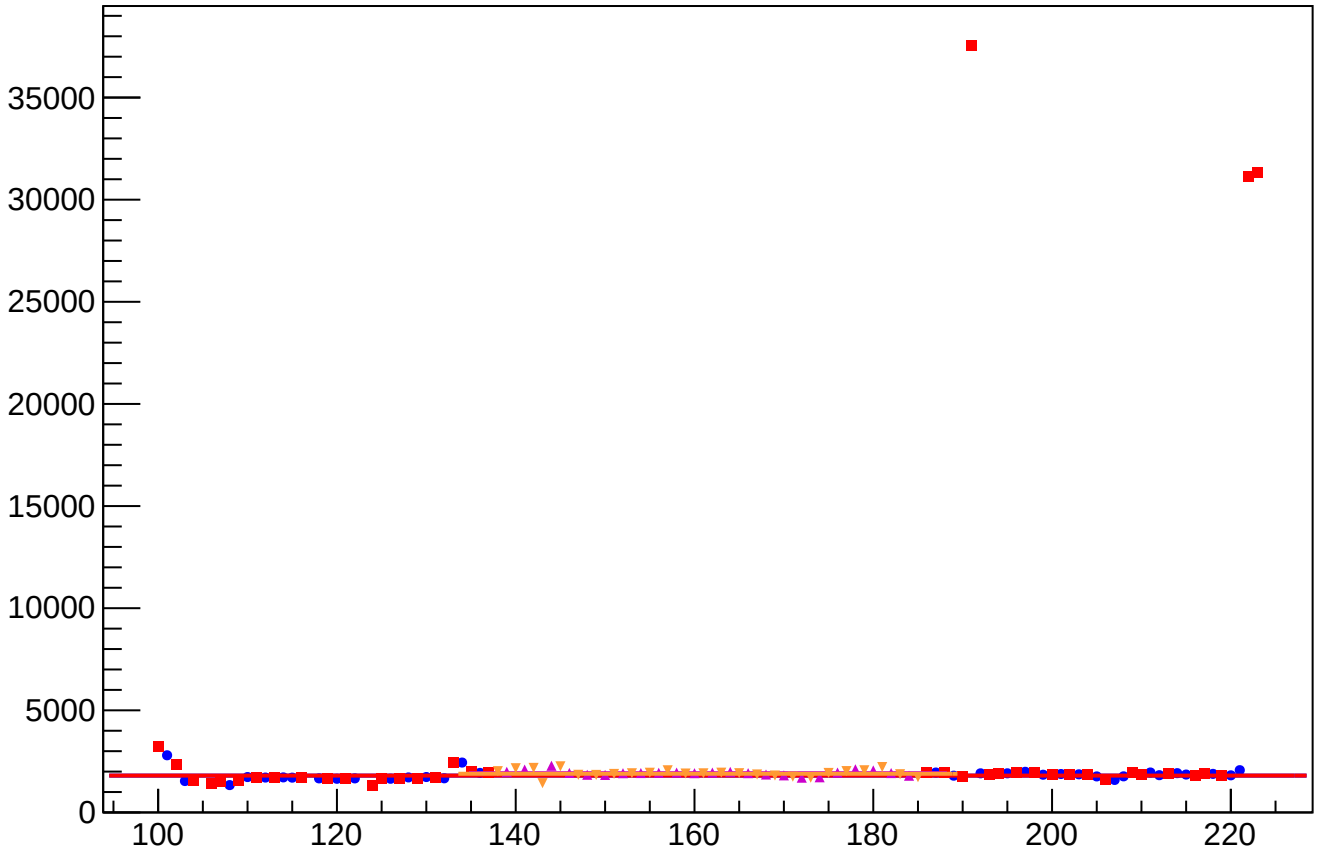
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2374.339+/-278.213 χ^2/NDF: 50.8/72

In: 2877.733+/-295.733 χ^2/NDF:31.4/56

Out: 1395.838+/-291.693 χ^2/NDF:78.5/63

All: 2126.595+/-207.672 χ^2/NDF: 122.7/120



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

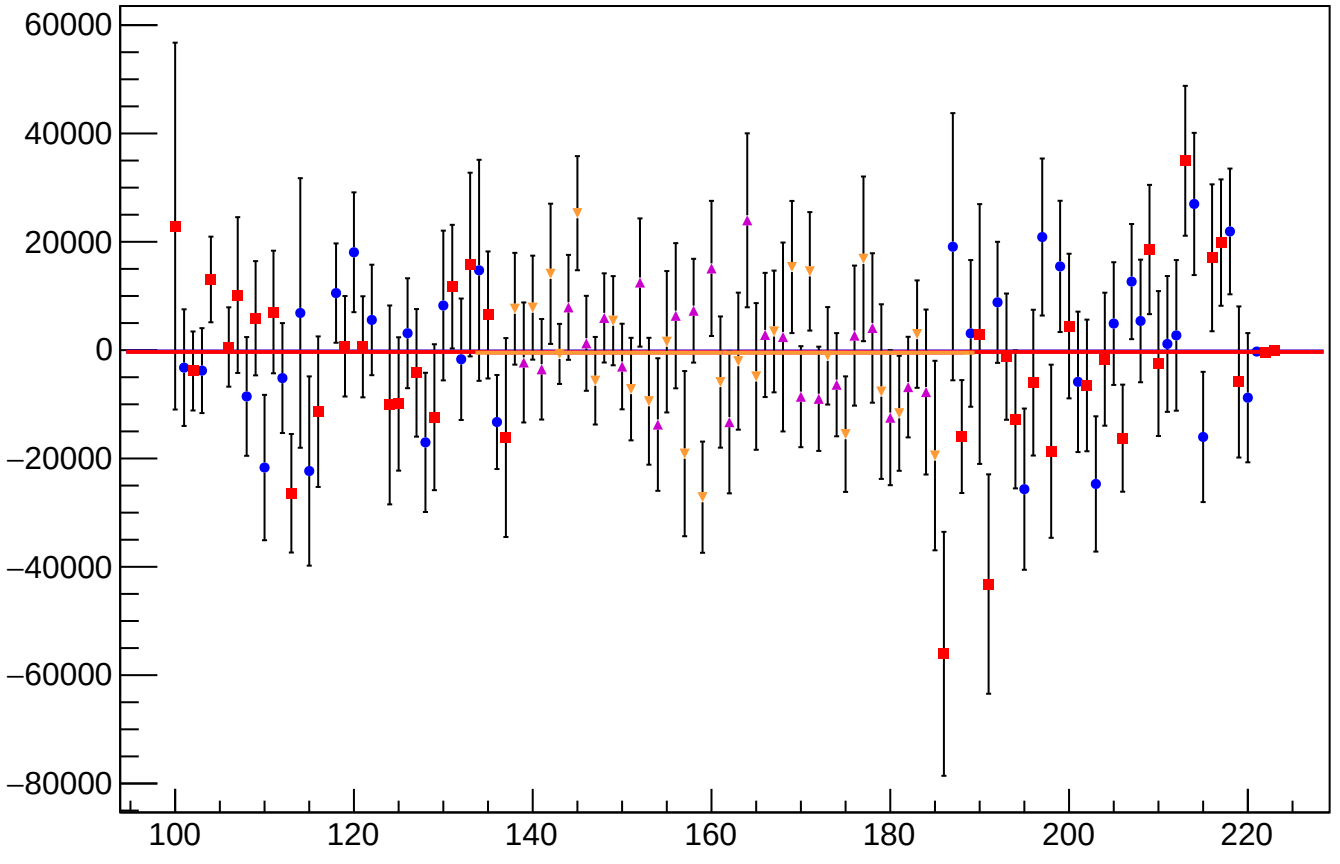
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1804.306+/-0.197 χ^2/NDF: 3526503.0/72

In: 1855.183+/-0.209 χ^2/NDF:727875.3/56

Out: 1845.657+/-0.206 χ^2/NDF:3445035.6/63

All: 1850.354+/-0.147 χ^2/NDF: 4173963.0/12



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

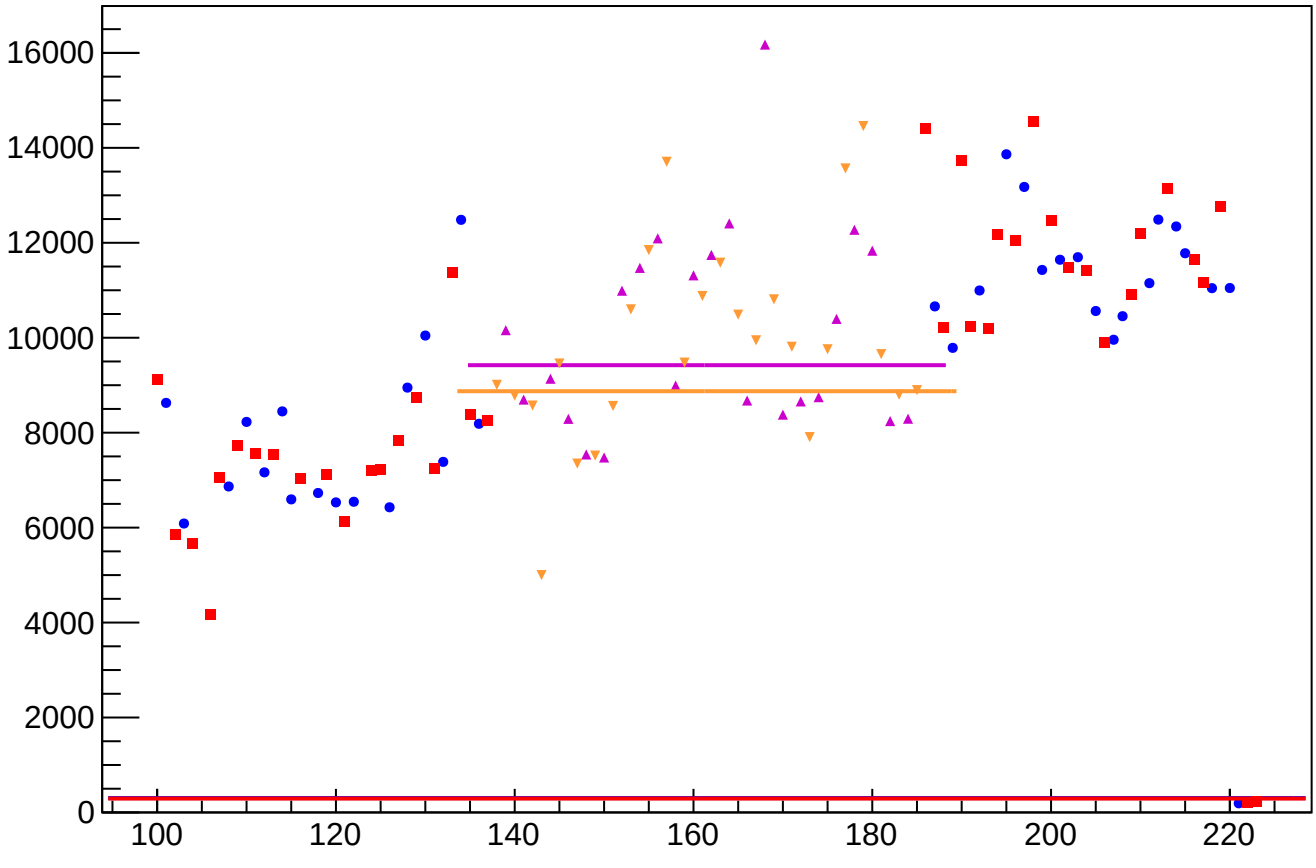
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -293.258+/-145.251 χ^2/NDF: 88.3/72

In: -252.979+/-227.112 χ^2/NDF:52.6/56

Out: -323.217+/-187.520 χ^2/NDF:78.0/63

All: -294.744+/-144.600 χ^2/NDF: 130.7/120



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

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

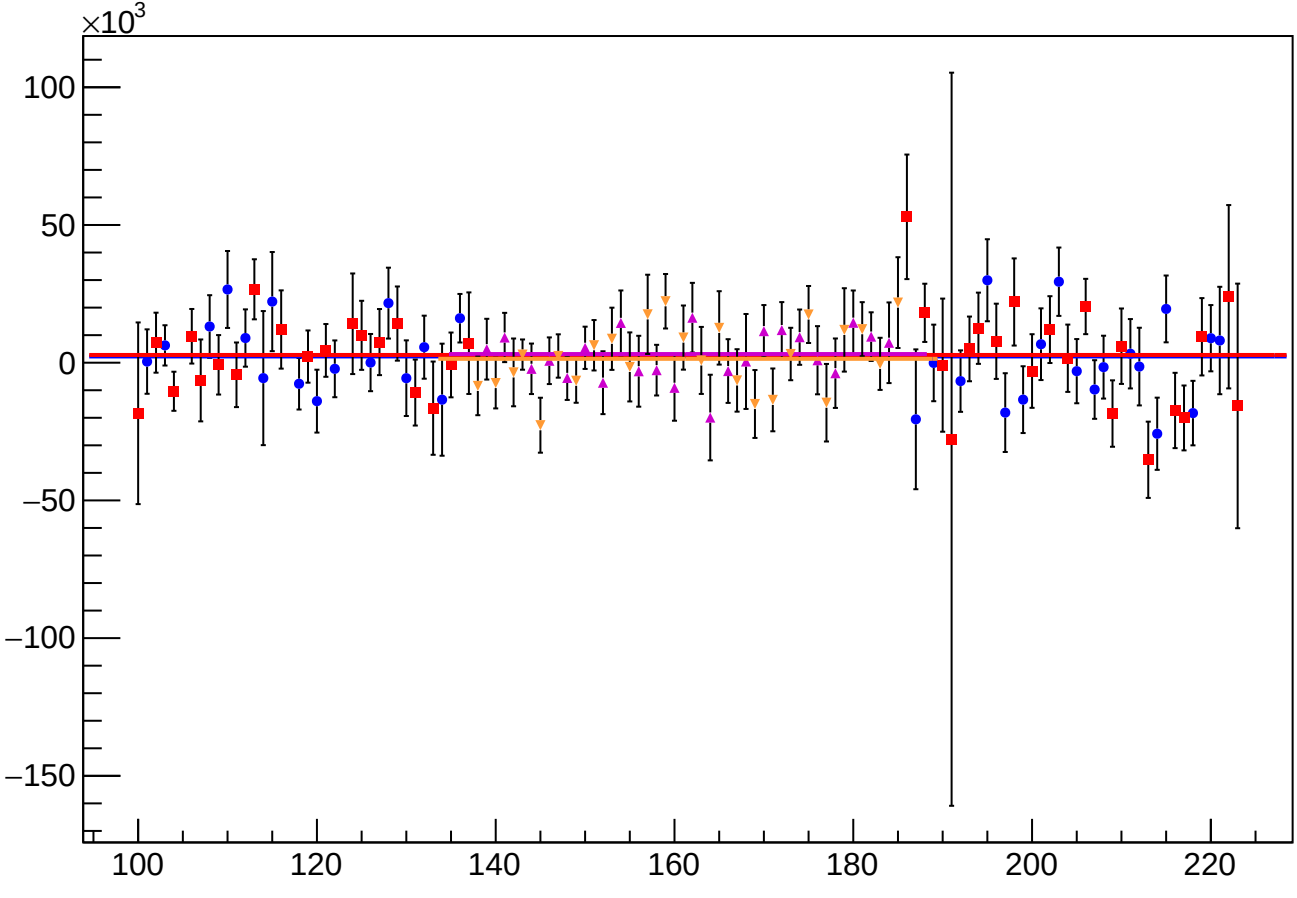
Right: 296.958+/-0.103 χ^2/NDF: 80356393.4/72

In: 395.688+/-0.161 χ^2/NDF:73628495.3/56

Out: 362.397+/-0.133 χ^2/NDF:76253731.3/63

All: 375.892+/-0.102 χ^2/NDF: 149907779.5/

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

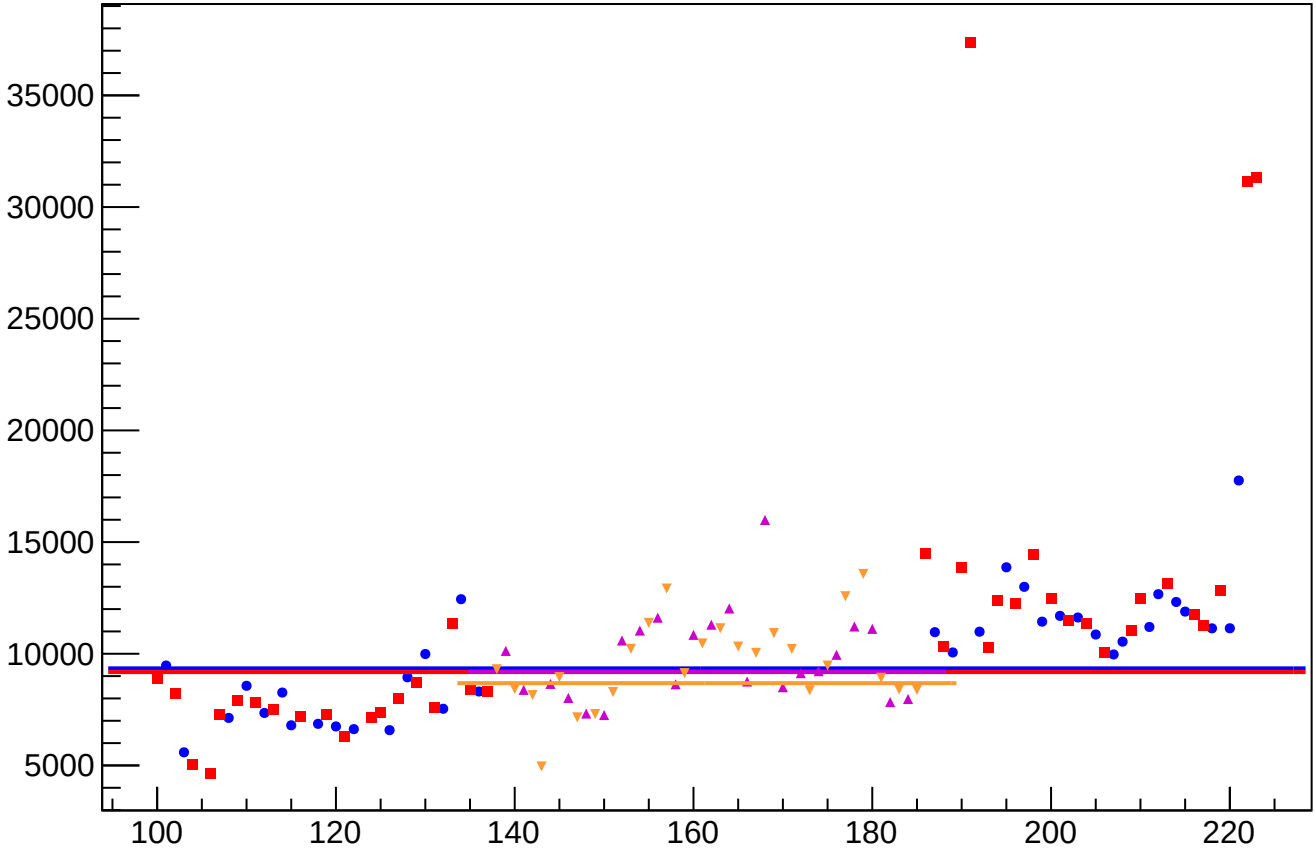
Right: 2542.751+/-1456.567 χ^2/NDF: 86.0/72

In: 2680.091+/-1504.857 χ^2/NDF:53.5/56

Out: 2106.488+/-1445.359 χ^2/NDF:73.2/63

All: 2381.726+/-1042.423 χ^2/NDF: 126.8/120

asym_at2_avg_rms vs Slug, Sign Corrected



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

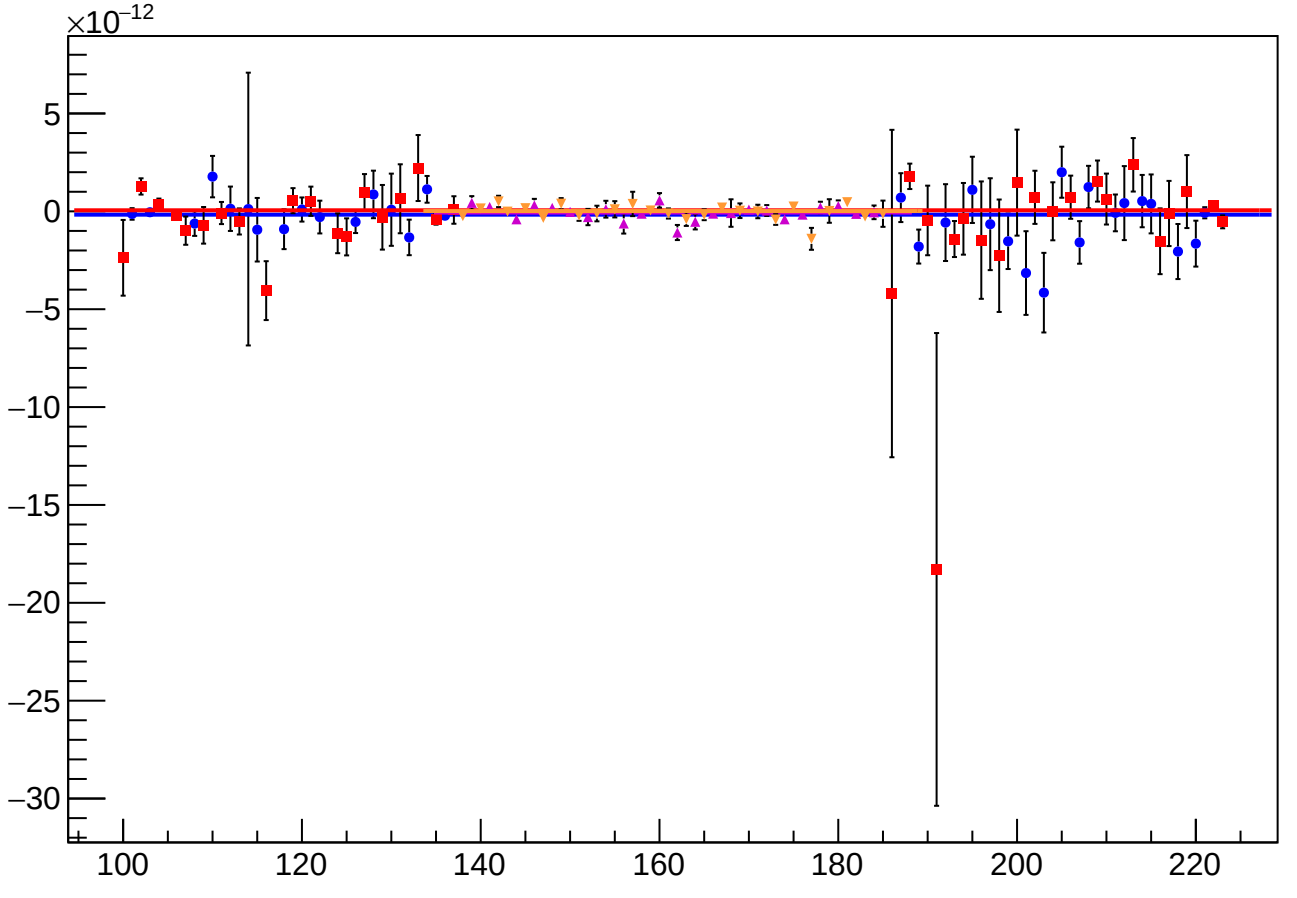
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 9262.203+/-1.030 χ^2/NDF: 7539903.1/72

In: 9277.647+/-1.064 χ^2/NDF:3954603.9/56

Out: 8931.211+/-1.022 χ^2/NDF:6823193.1/63

All: 9097.441+/-0.737 χ^2/NDF: 10832932.8/1



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

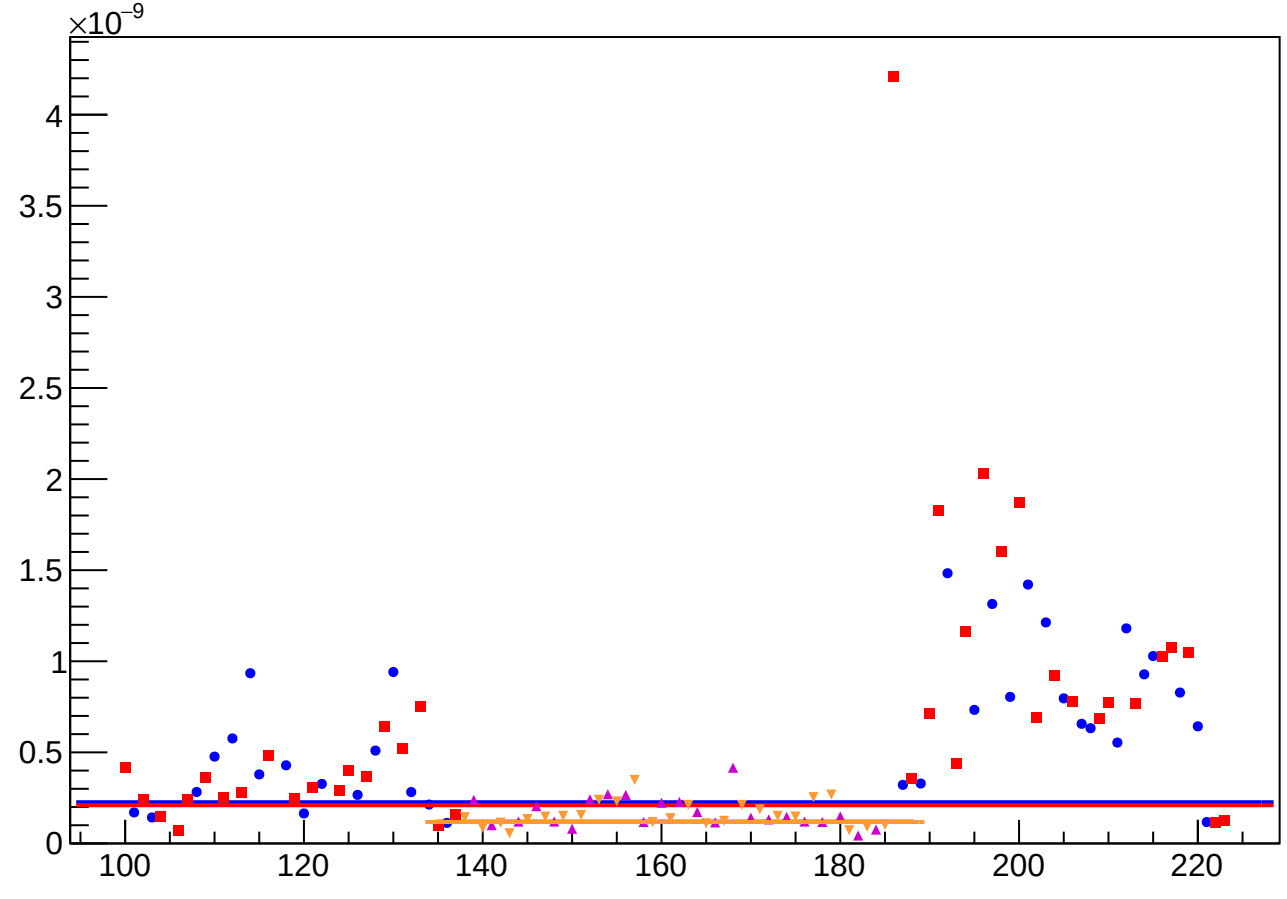
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 93.3/72

In: -0.000+/-0.000 χ^2/NDF:61.8/56

Out: 0.000+/-0.000 χ^2/NDF:86.7/63

All: -0.000+/-0.000 χ^2/NDF: 151.2/120



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

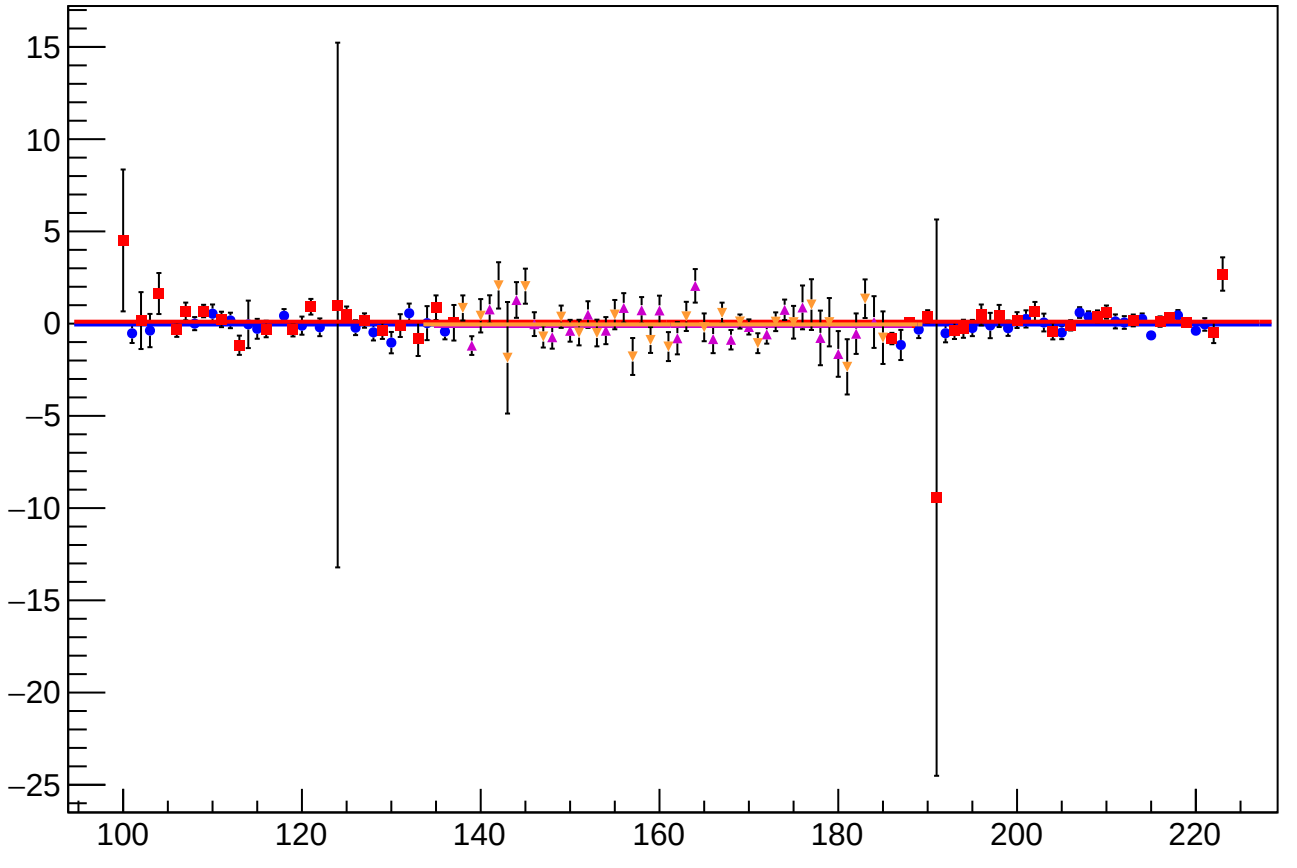
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17960111.0/72

In: 0.000+/-0.000 χ^2/NDF:12837469.7/56

Out: 0.000+/-0.000 χ^2/NDF:13135845.7/63

All: 0.000+/-0.000 χ^2/NDF: 25987038.6/120



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

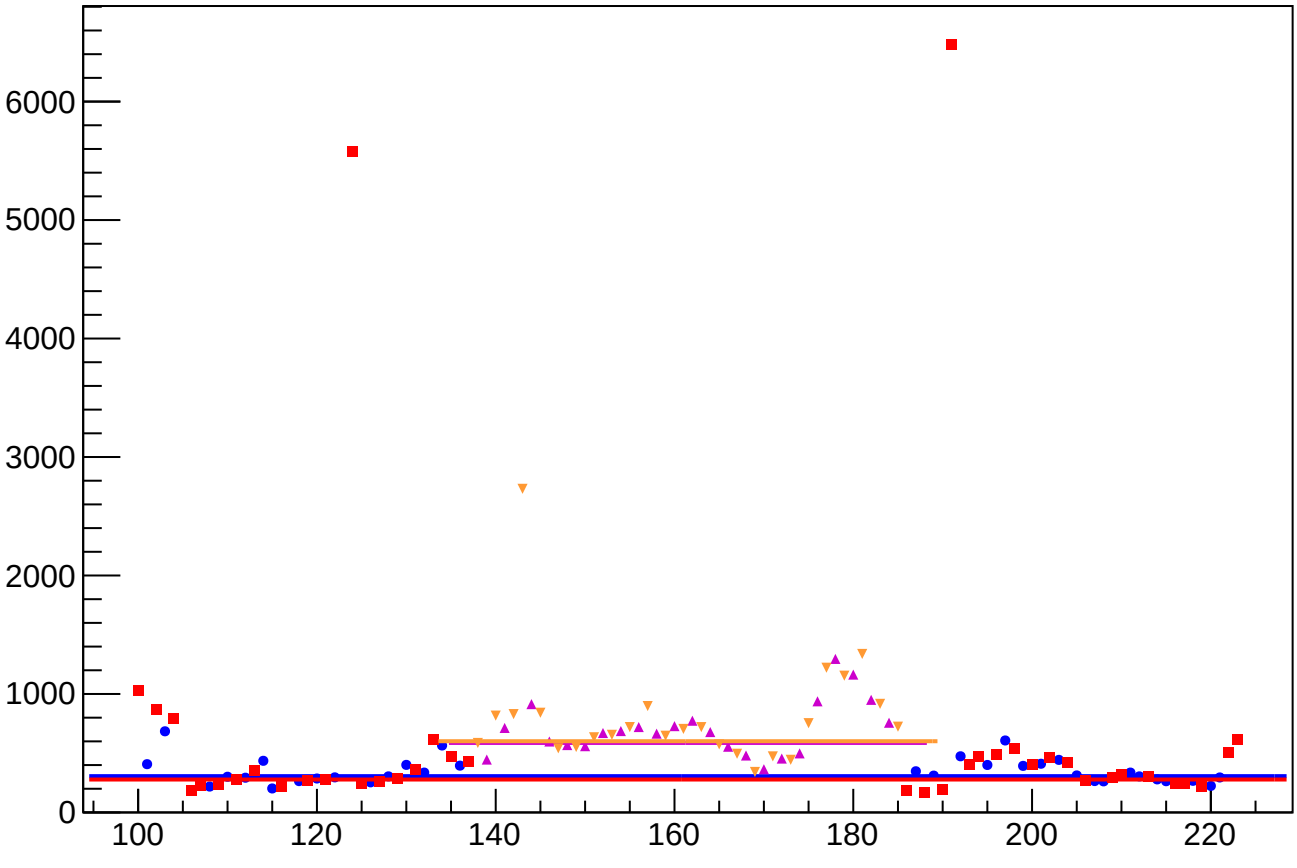
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.034+/-0.047 χ^2/NDF: 90.6/72

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.082+/-0.059 χ^2/NDF:84.3/63

All: 0.014+/-0.043 χ^2/NDF: 151.0/120



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

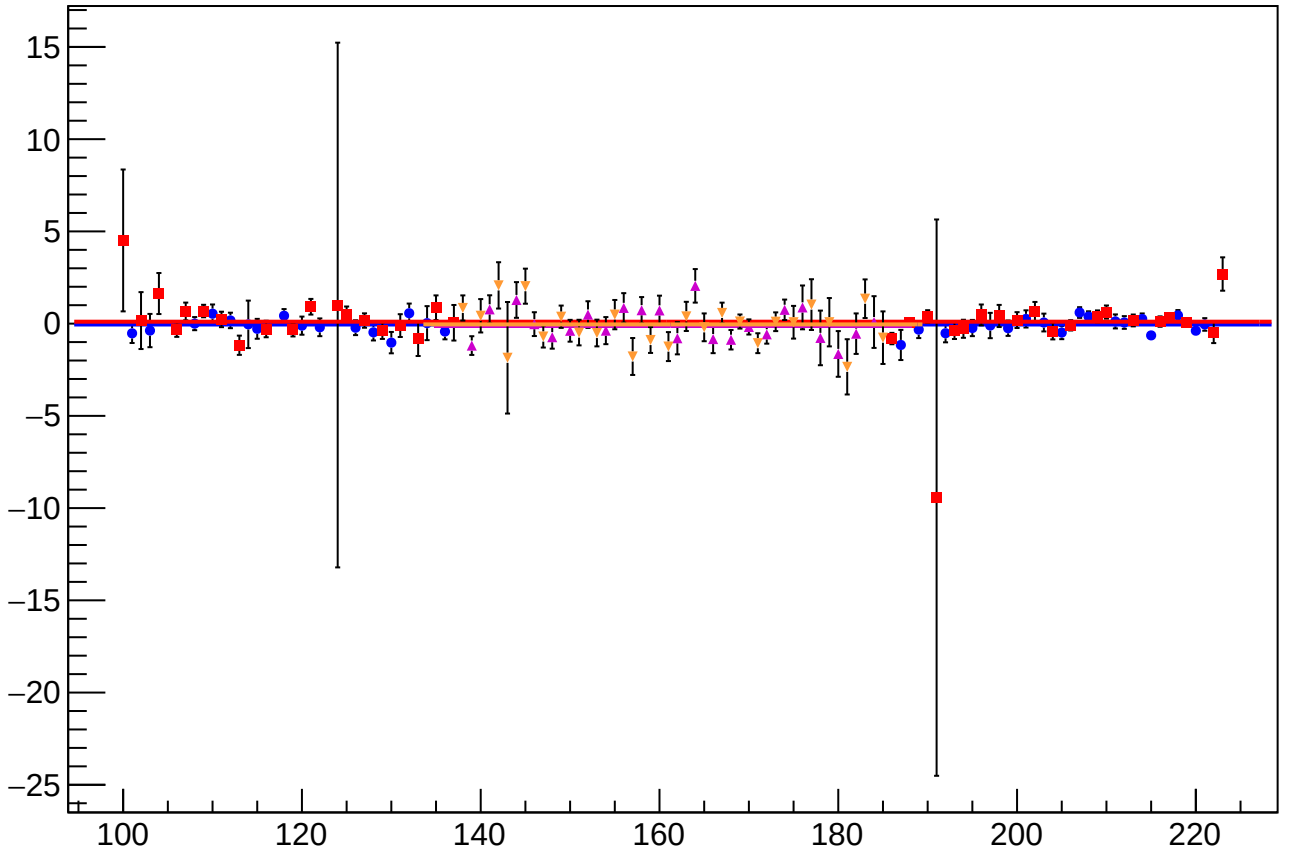
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 291.231+/-0.033 χ^2/NDF: 8474297.6/72

In: 358.247+/-0.044 χ^2/NDF:11526500.8/56

Out: 329.948+/-0.042 χ^2/NDF:18299674.8/63

All: 343.349+/-0.030 χ^2/NDF: 30042714.7/12



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

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

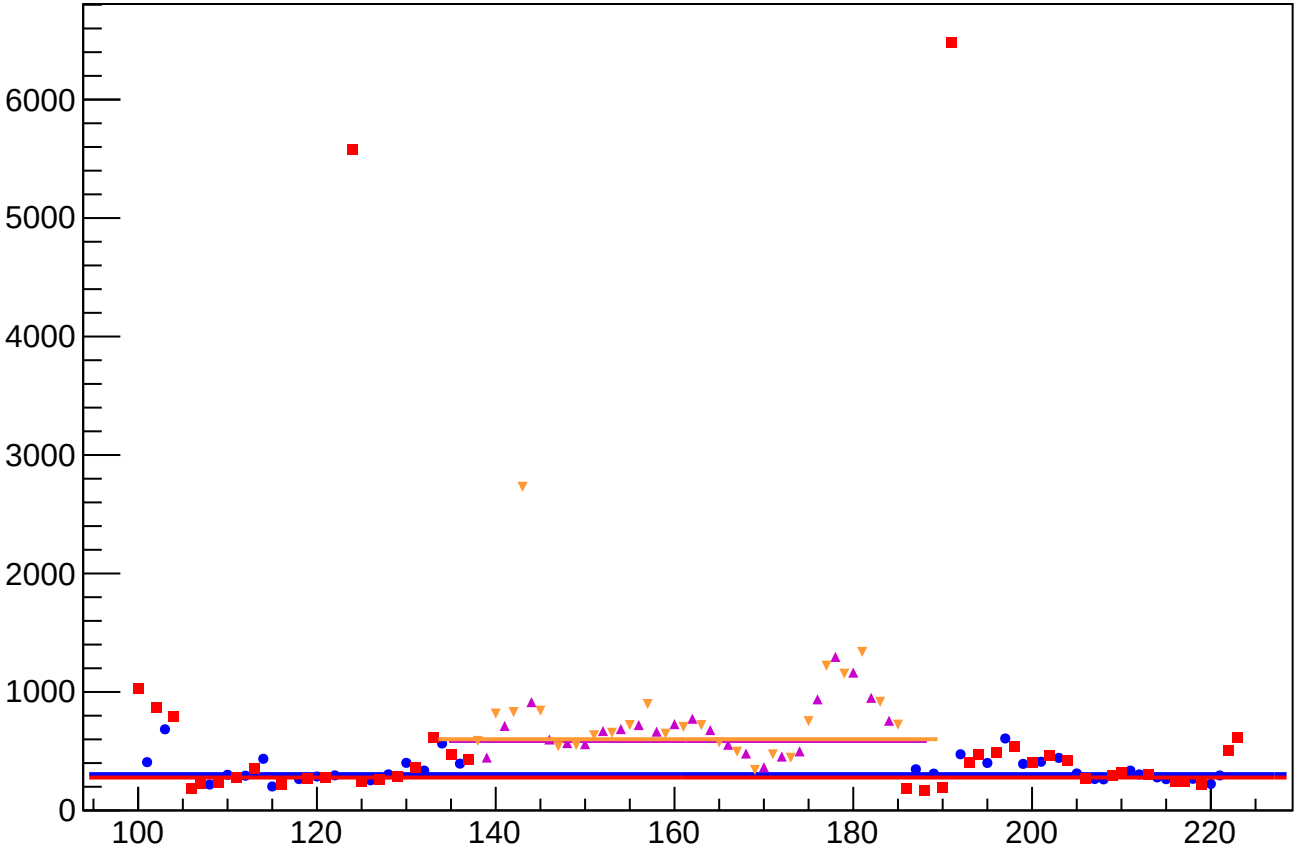
Right: 0.034+/-0.047 χ^2/NDF: 90.6/72

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.082+/-0.059 χ^2/NDF:84.3/63

All: 0.014+/-0.043 χ^2/NDF: 151.0/120

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

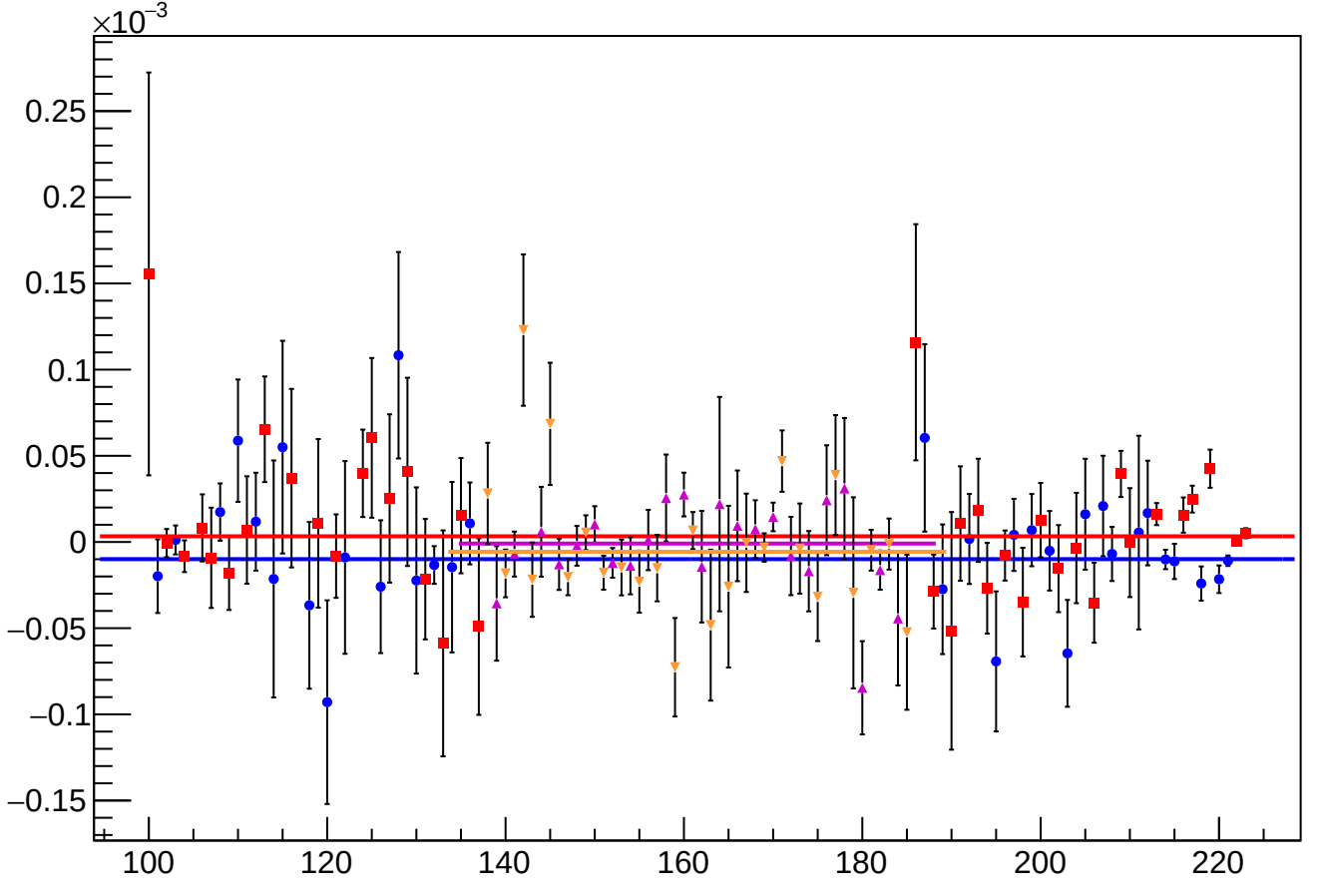
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 291.231+/-0.033 χ^2/NDF: 8474297.6/72

In: 358.247+/-0.044 χ^2/NDF:11526500.8/56

Out: 329.948+/-0.042 χ^2/NDF:18299674.8/63

All: 343.349+/-0.030 χ^2/NDF: 30042714.7/12



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

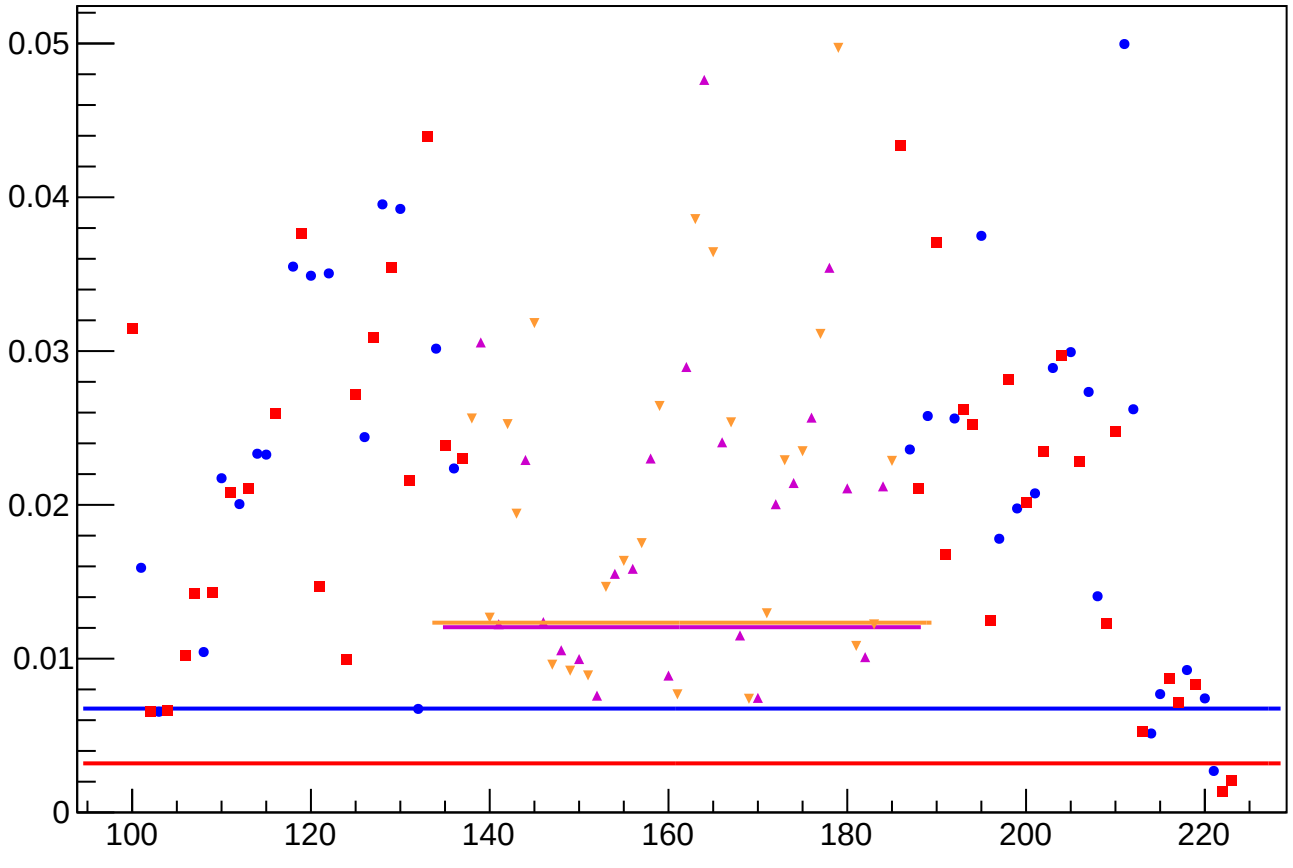
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 128.6/72

In: -0.000+/-0.000 χ^2/NDF:68.4/56

Out: 0.000+/-0.000 χ^2/NDF:115.0/63

All: -0.000+/-0.000 χ^2/NDF: 204.1/120



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

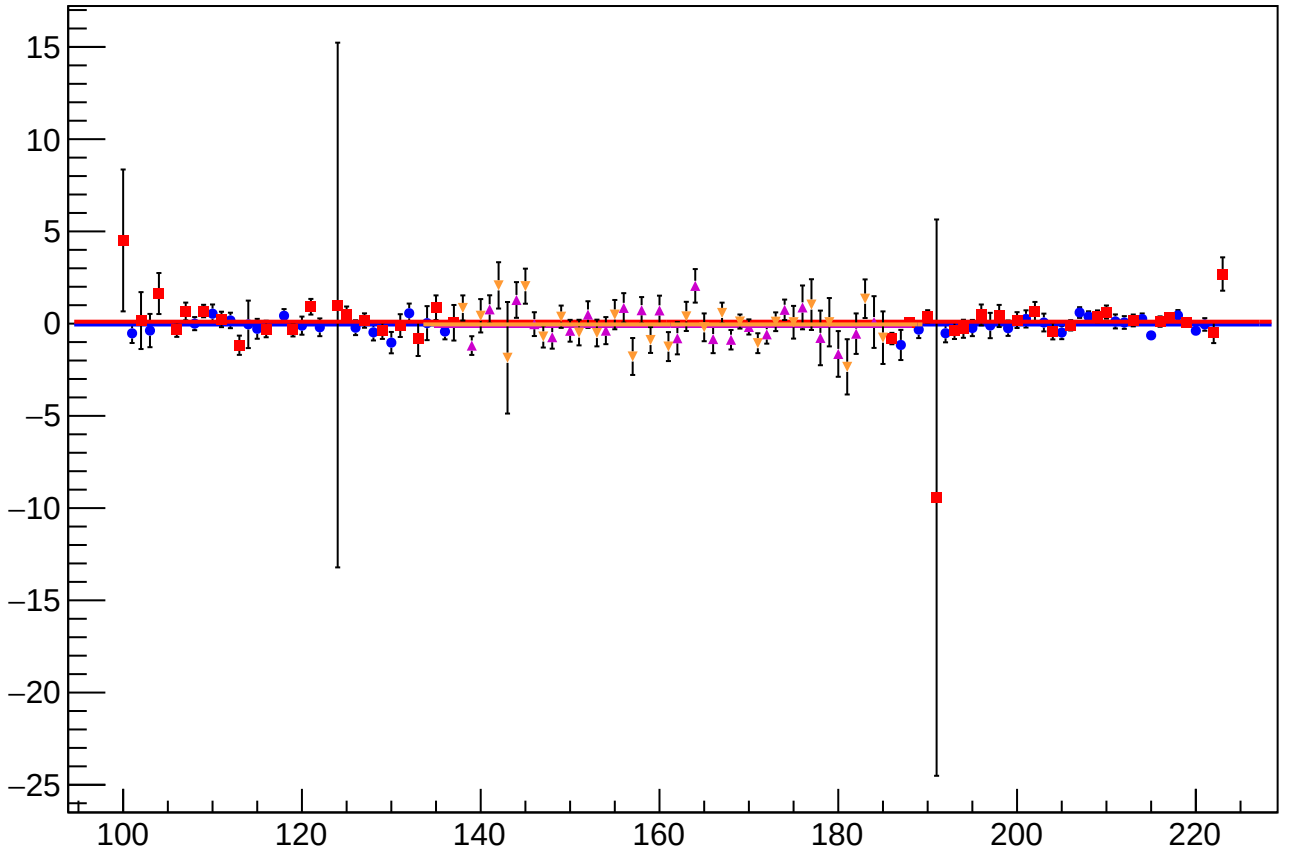
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.004+/-0.000 χ^2/NDF: 54041685.7/72

In: 0.008+/-0.000 χ^2/NDF:30665058.5/56

Out: 0.004+/-0.000 χ^2/NDF:50867041.5/63

All: 0.005+/-0.000 χ^2/NDF: 88686272.2/120



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

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

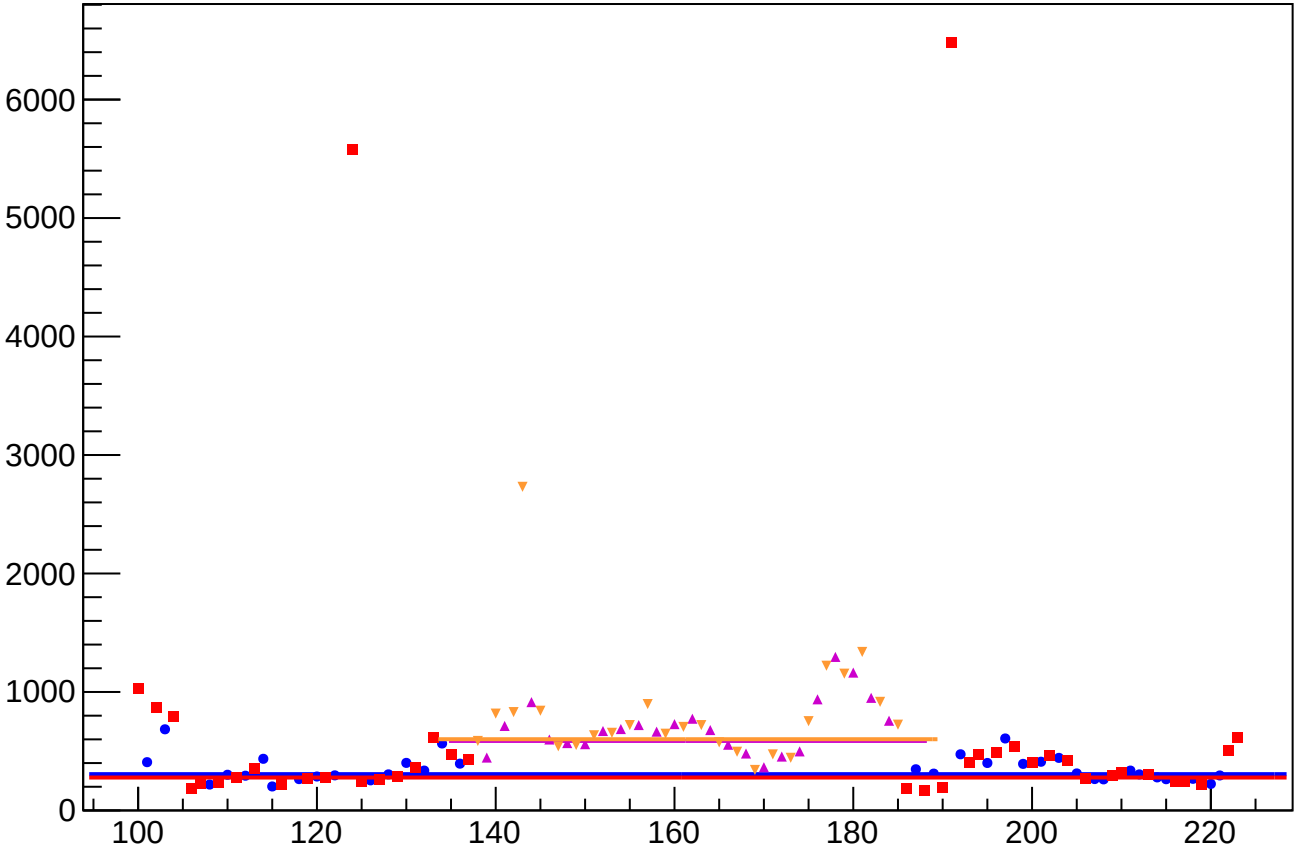
Right: 0.034+/-0.047 χ^2/NDF: 90.6/72

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.082+/-0.059 χ^2/NDF:84.3/63

All: 0.014+/-0.043 χ^2/NDF: 151.0/120

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

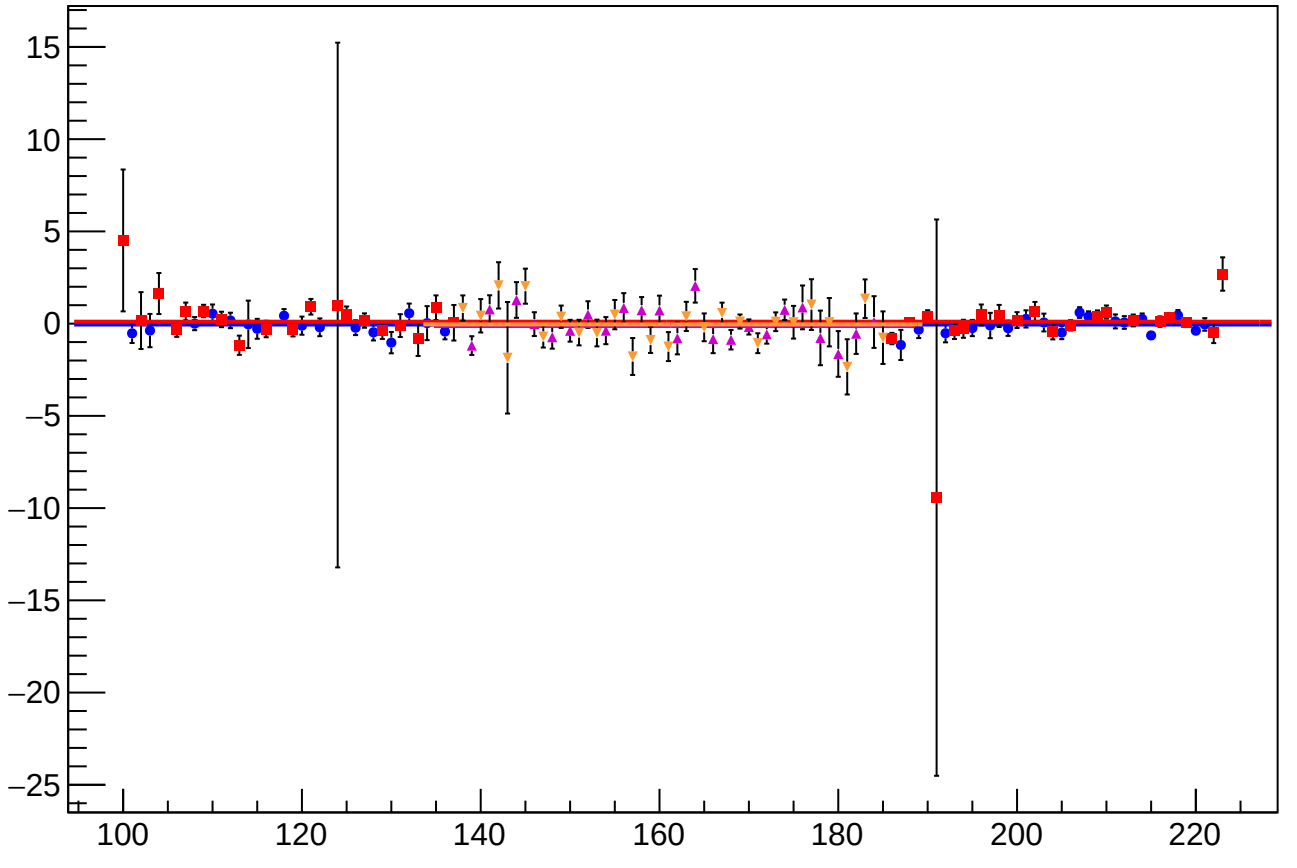
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 291.229+/-0.033 χ^2/NDF: 8474610.0/72

In: 358.246+/-0.044 χ^2/NDF:11526705.2/56

Out: 329.944+/-0.042 χ^2/NDF:18300346.0/63

All: 343.346+/-0.030 χ^2/NDF: 30043651.5/12



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

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

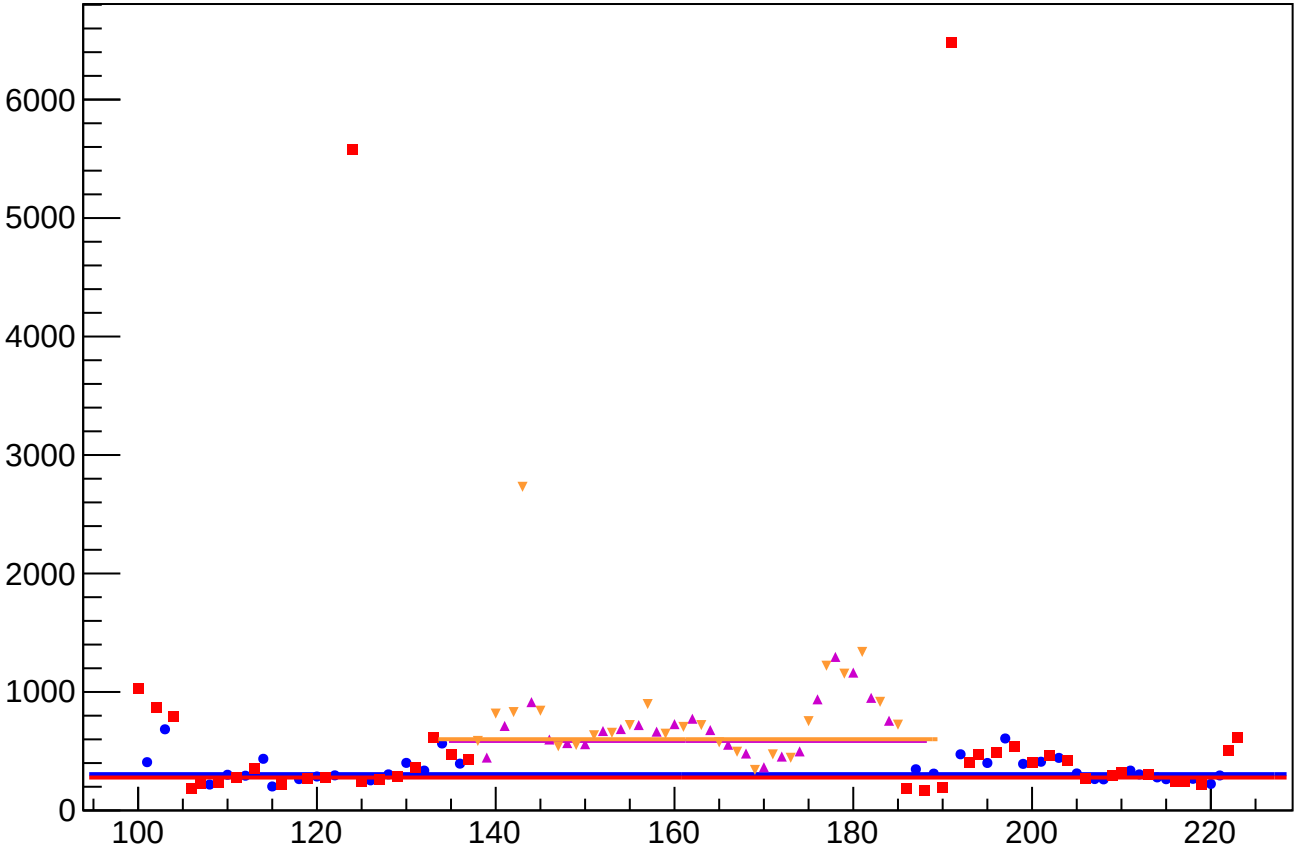
Right: 0.034+/-0.047 χ^2/NDF: 90.6/72

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.082+/-0.059 χ^2/NDF:84.3/63

All: 0.014+/-0.043 χ^2/NDF: 151.0/120

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

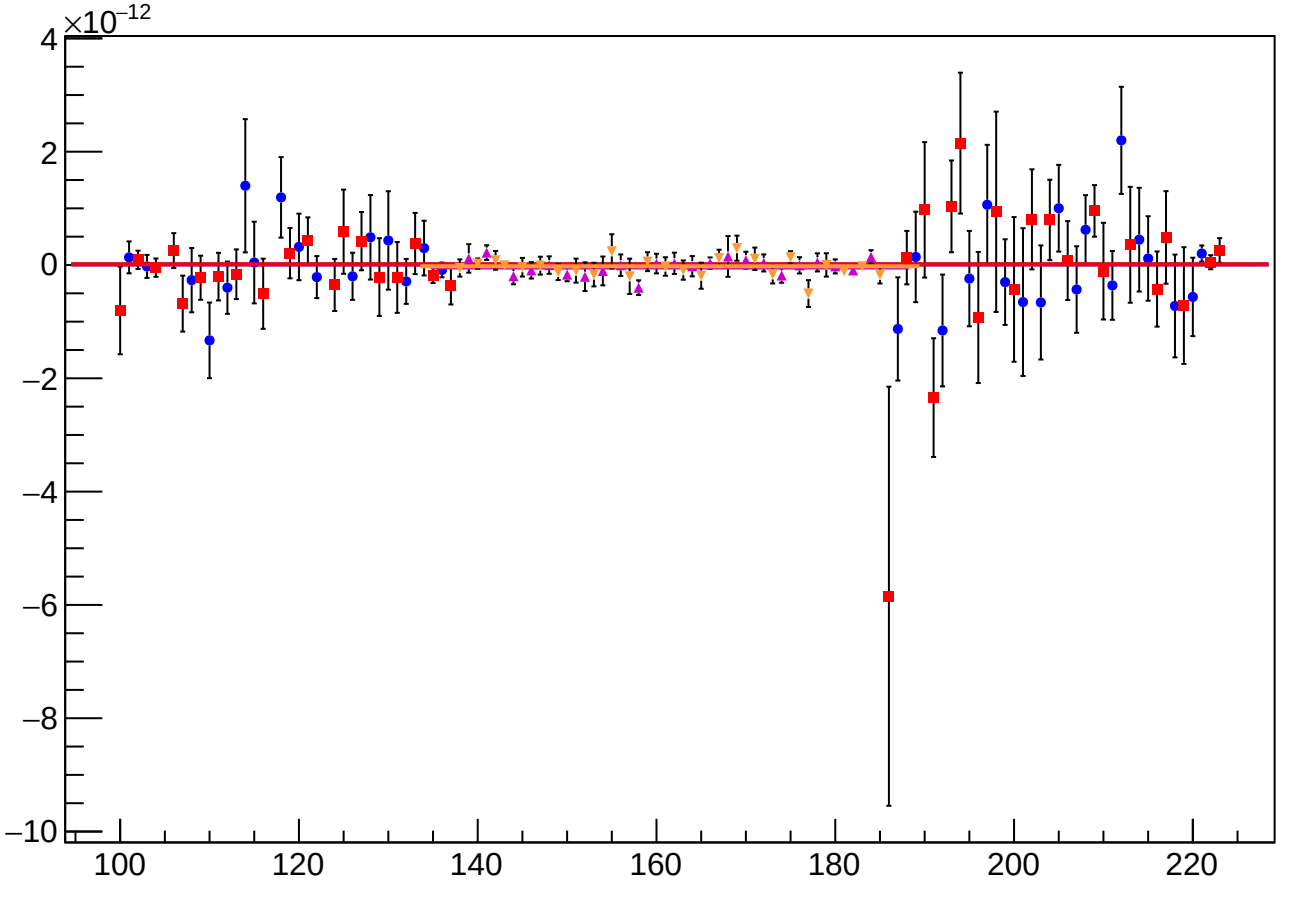
Right: 291.229+/-0.033 χ^2/NDF: 8474610.0/72

In: 358.246+/-0.044 χ^2/NDF:11526705.2/56

Out: 329.944+/-0.042 χ^2/NDF:18300346.0/63

All: 343.346+/-0.030 χ^2/NDF: 30043651.5/12

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

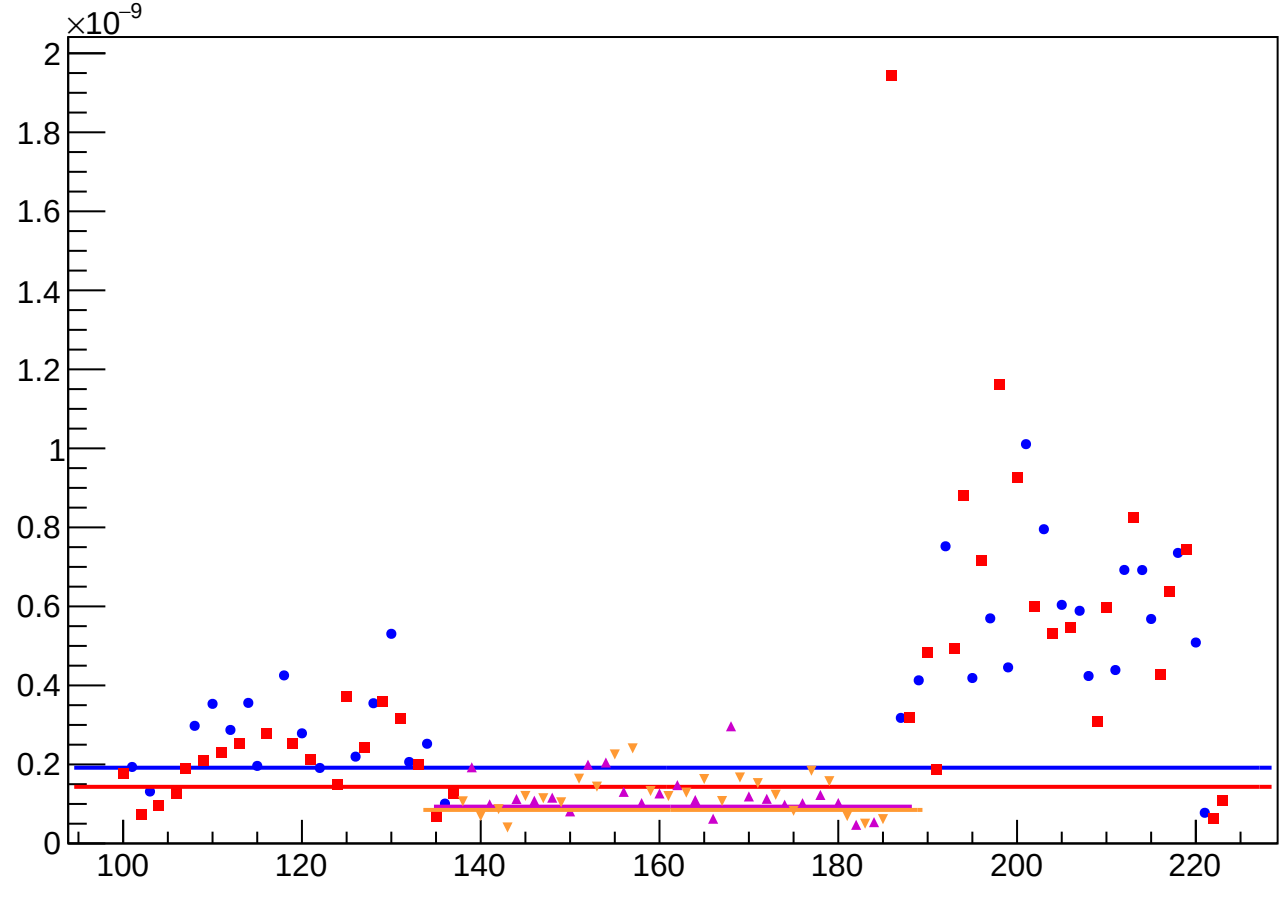
Right: 0.000+/-0.000 χ^2/NDF: 65.0/72

In: -0.000+/-0.000 χ^2/NDF:52.1/56

Out: -0.000+/-0.000 χ^2/NDF:52.1/63

All: -0.000+/-0.000 χ^2/NDF: 104.5/120

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 9340725.7/47

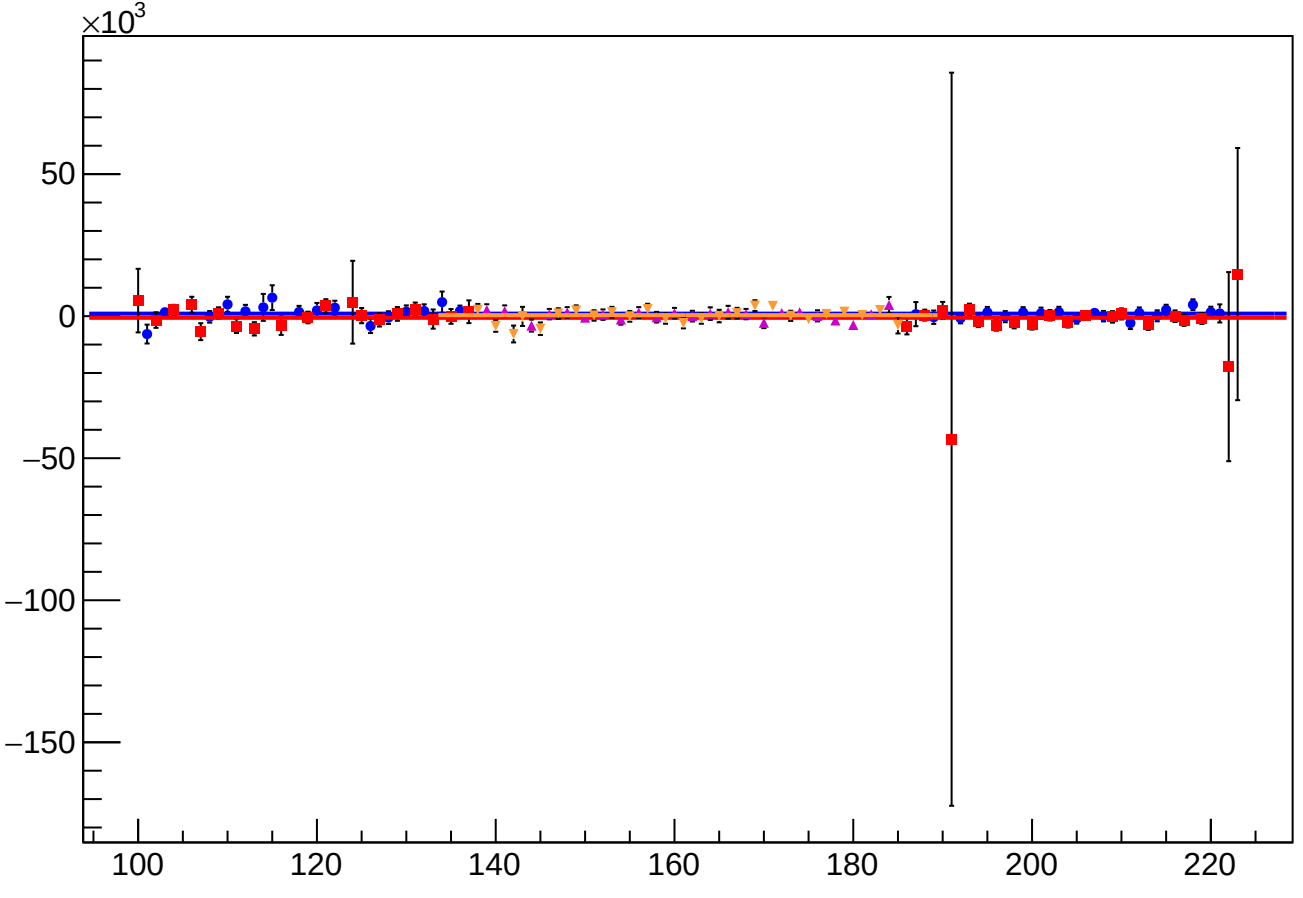
Right: 0.000+/-0.000 χ^2/NDF: 23963081.3/72

In: 0.000+/-0.000 χ^2/NDF:18363715.0/56

Out: 0.000+/-0.000 χ^2/NDF:19578700.2/63

All: 0.000+/-0.000 χ^2/NDF: 38190019.2/120

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

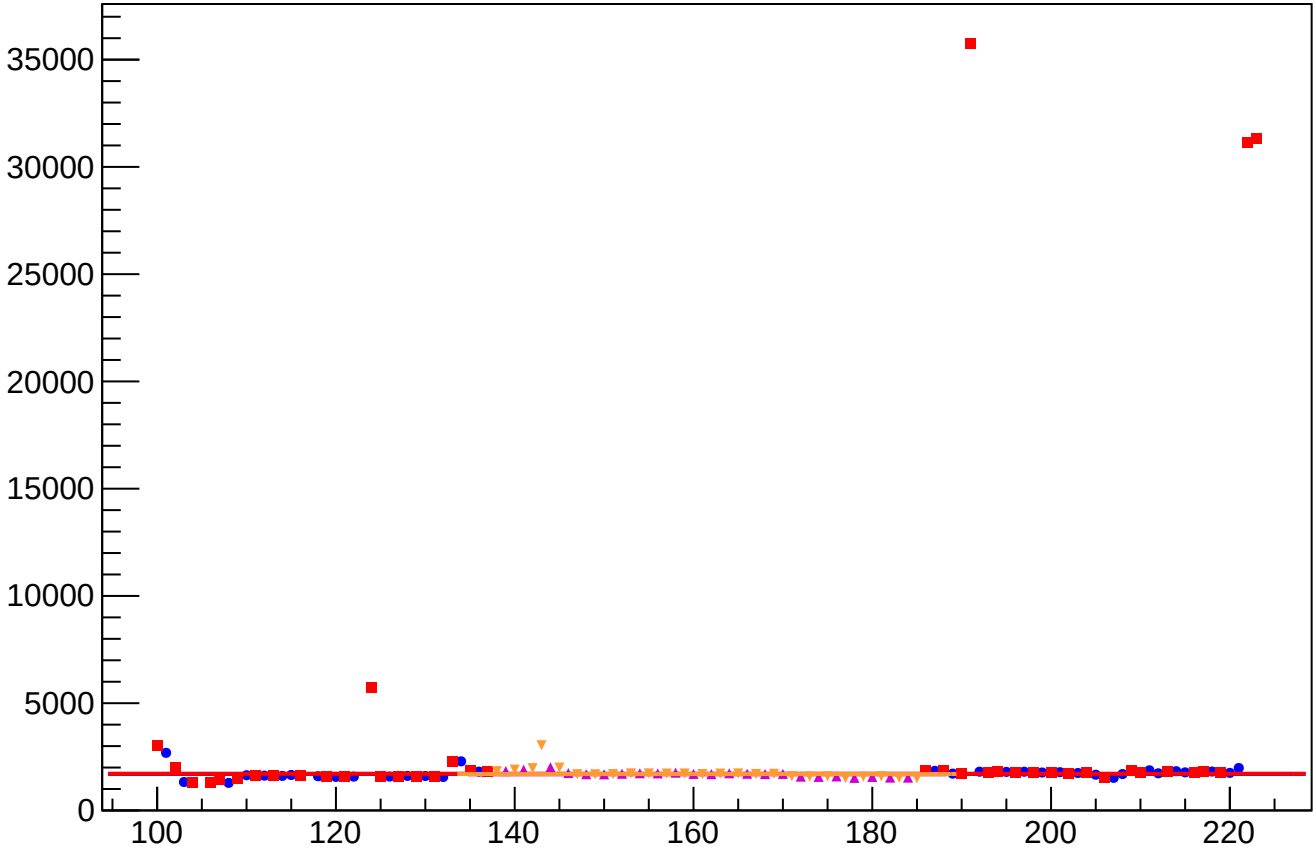
Right: 162.120+/-263.053 χ^2/NDF: 63.0/72

In: 548.637+/-269.871 χ^2/NDF:41.3/56

Out: -129.012+/-269.265 χ^2/NDF:64.4/63

All: 209.052+/-190.613 χ^2/NDF: 108.8/120

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

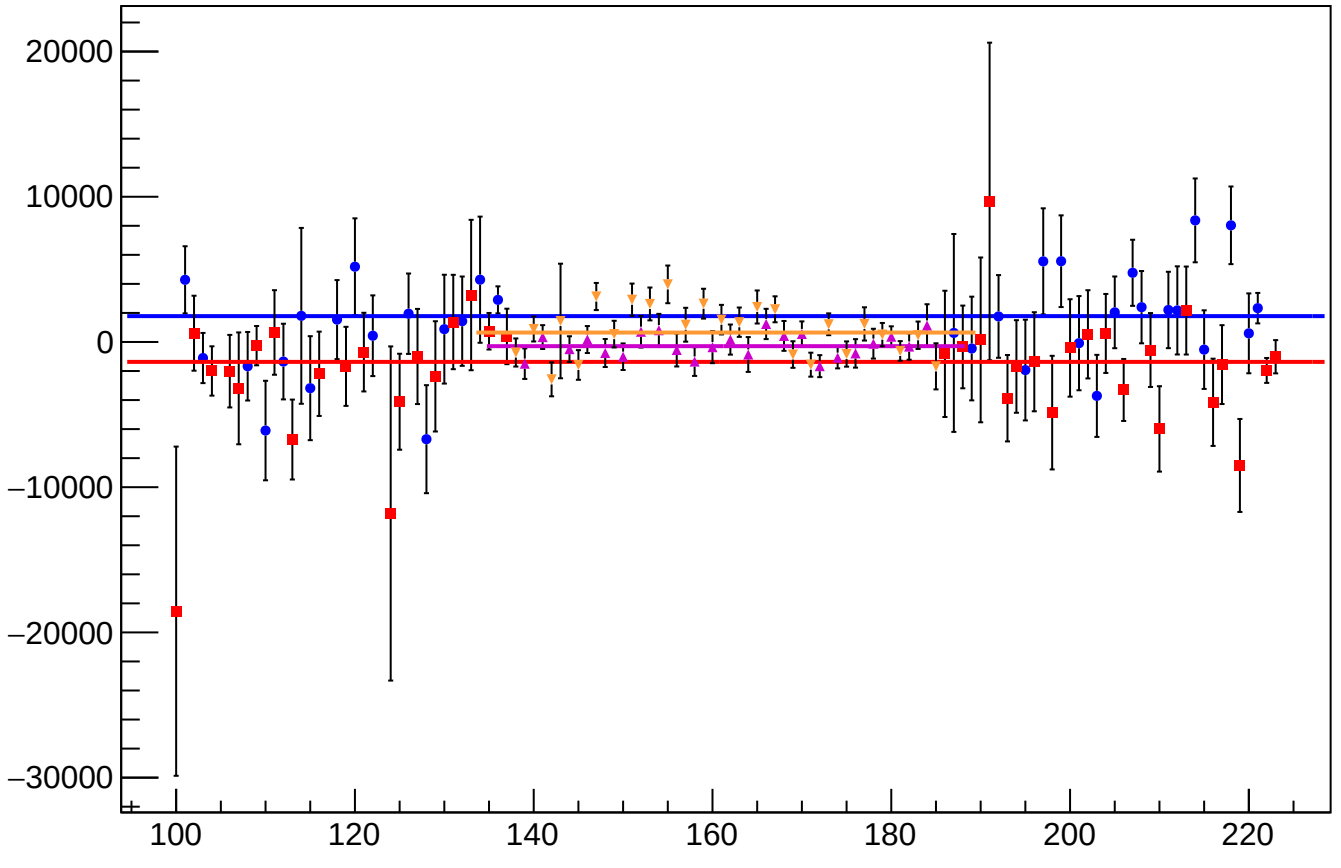
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1706.252+/-0.186 χ^2/NDF: 3736161.3/72

In: 1693.999+/-0.191 χ^2/NDF:715751.7/56

Out: 1704.125+/-0.190 χ^2/NDF:3683978.5/63

All: 1699.074+/-0.135 χ^2/NDF: 4401141.3/12



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

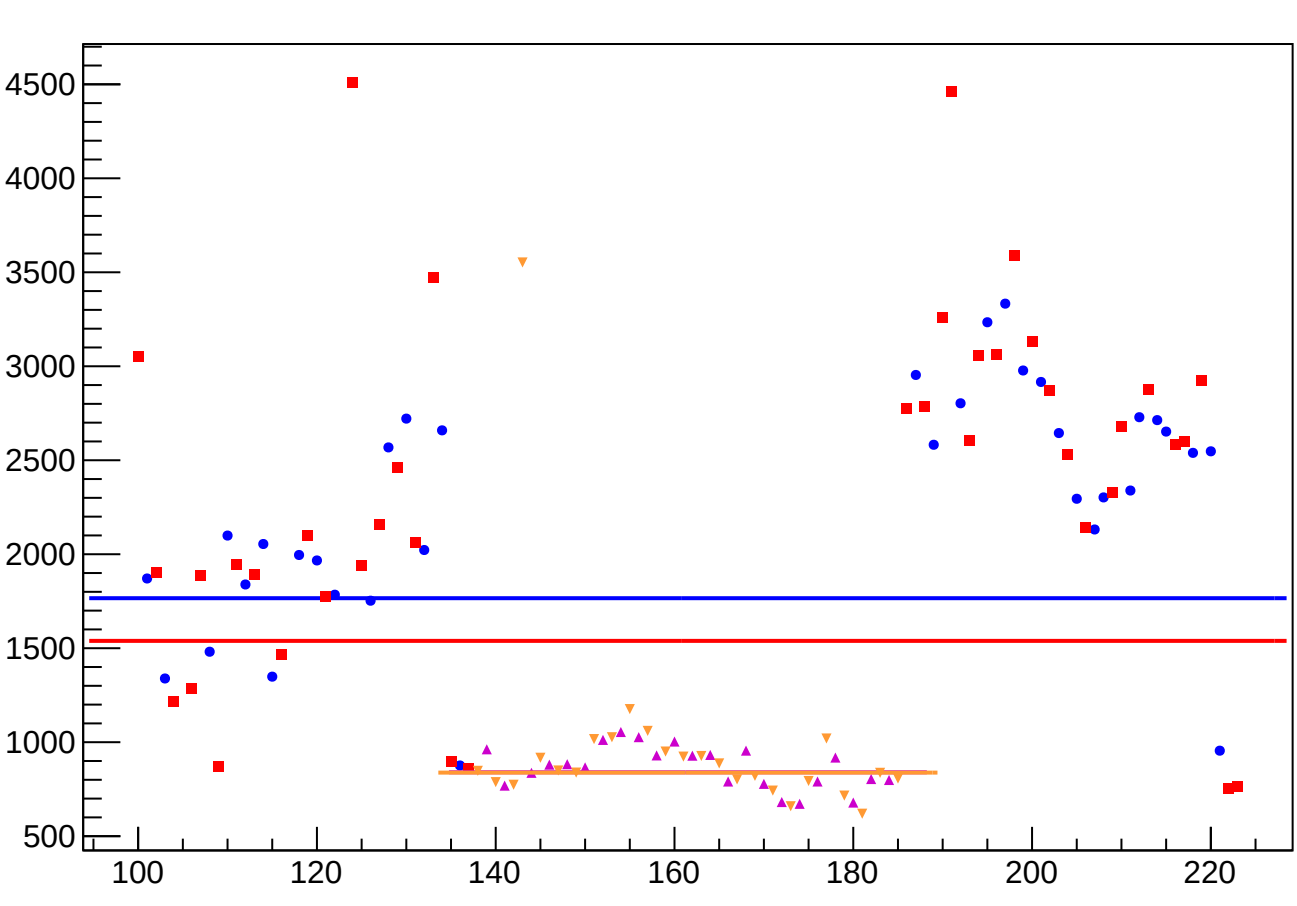
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 48.009+/-276.435 χ^2/NDF: 107.2/72

In: 101.158+/-178.815 χ^2/NDF:82.0/56

Out: 212.979+/-173.263 χ^2/NDF:118.6/63

All: 158.831+/-124.432 χ^2/NDF: 200.8/120



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

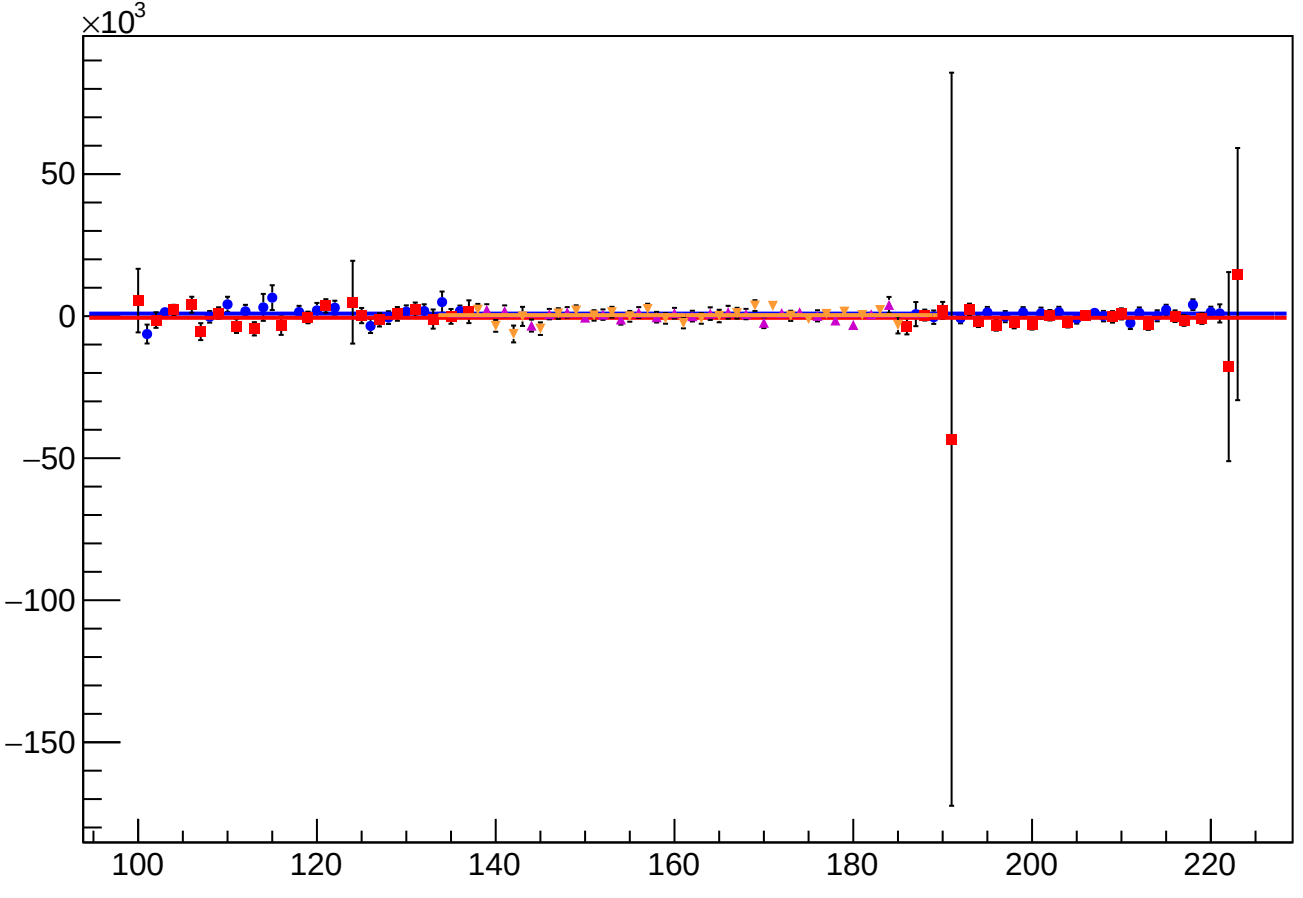
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1641.324+/-0.195 χ^2/NDF: 17579594.7/72

In: 1014.510+/-0.126 χ^2/NDF:15639364.3/56

Out: 989.563+/-0.123 χ^2/NDF:17820721.1/63

All: 1001.643+/-0.088 χ^2/NDF: 33480163.1/1



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

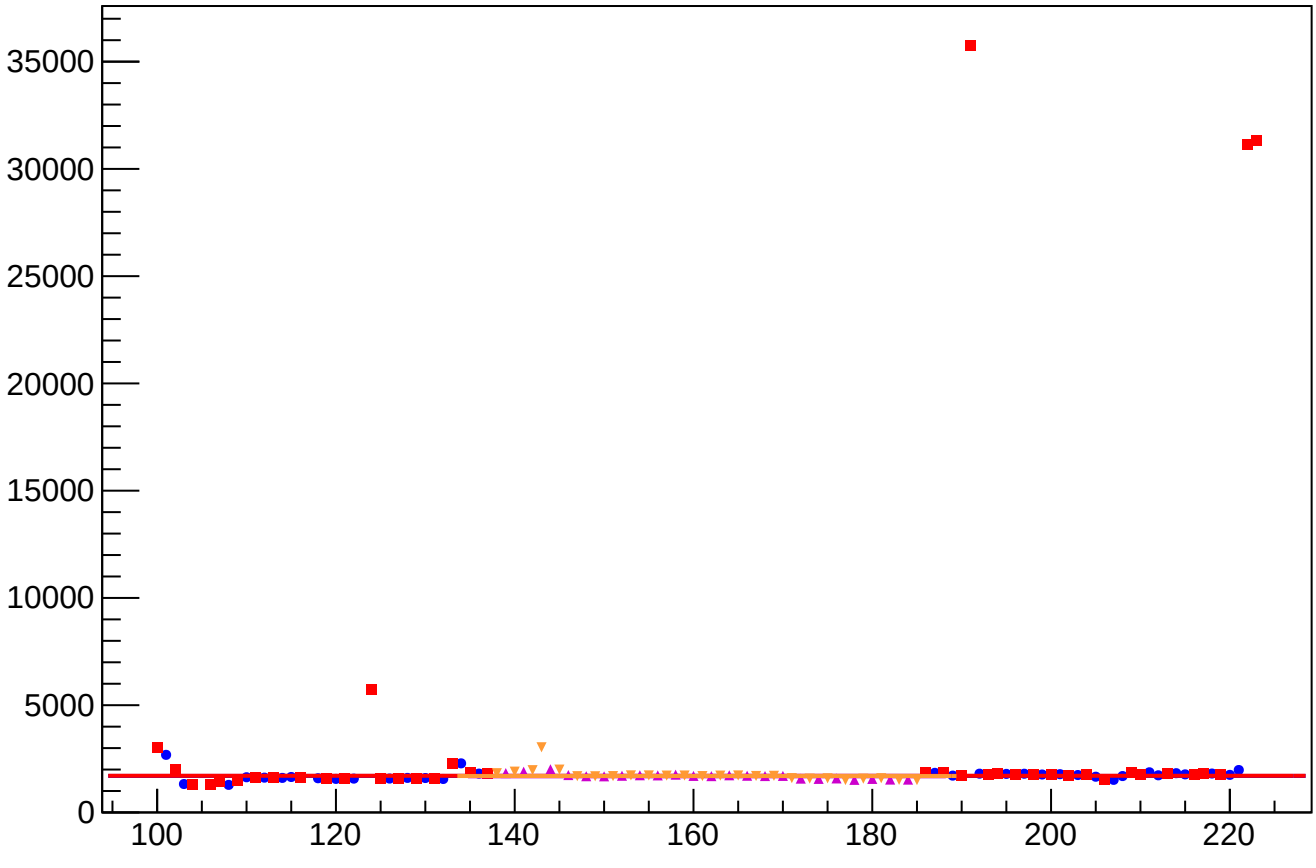
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 162.085+/-263.053 χ^2/NDF: 63.0/72

In: 548.603+/-269.871 χ^2/NDF:41.3/56

Out: -129.100+/-269.265 χ^2/NDF:64.4/63

All: 208.991+/-190.613 χ^2/NDF: 108.8/120



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

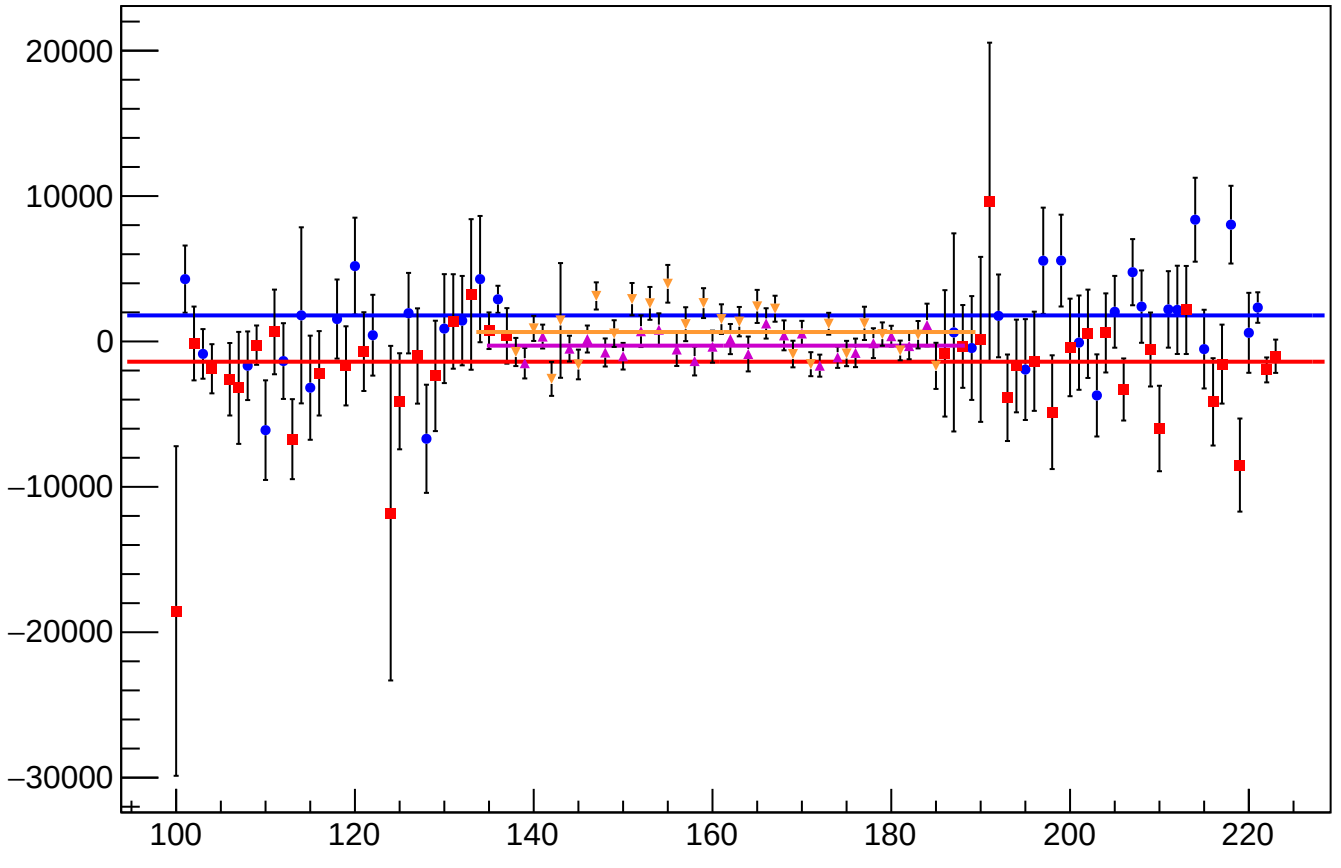
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1706.252+/-0.186 χ^2/NDF: 3736161.8/72

In: 1693.999+/-0.191 χ^2/NDF:715752.0/56

Out: 1704.125+/-0.190 χ^2/NDF:3683978.7/63

All: 1699.074+/-0.135 χ^2/NDF: 4401141.8/12



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

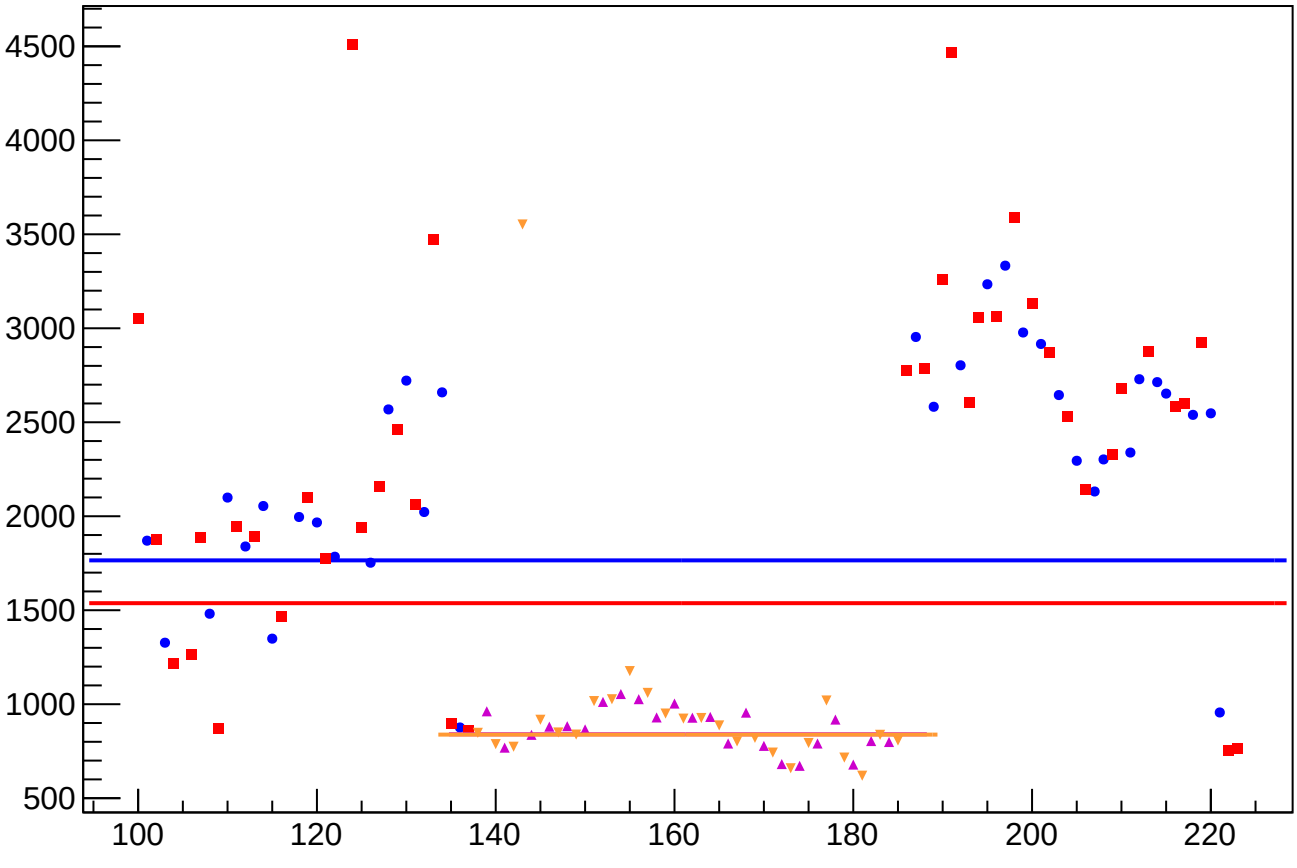
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 40.412+/-276.242 χ^2/NDF: 107.3/72

In: 103.641+/-178.796 χ^2/NDF:81.8/56

Out: 207.596+/-173.235 χ^2/NDF:118.9/63

All: 157.261+/-124.415 χ^2/NDF: 200.9/120



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

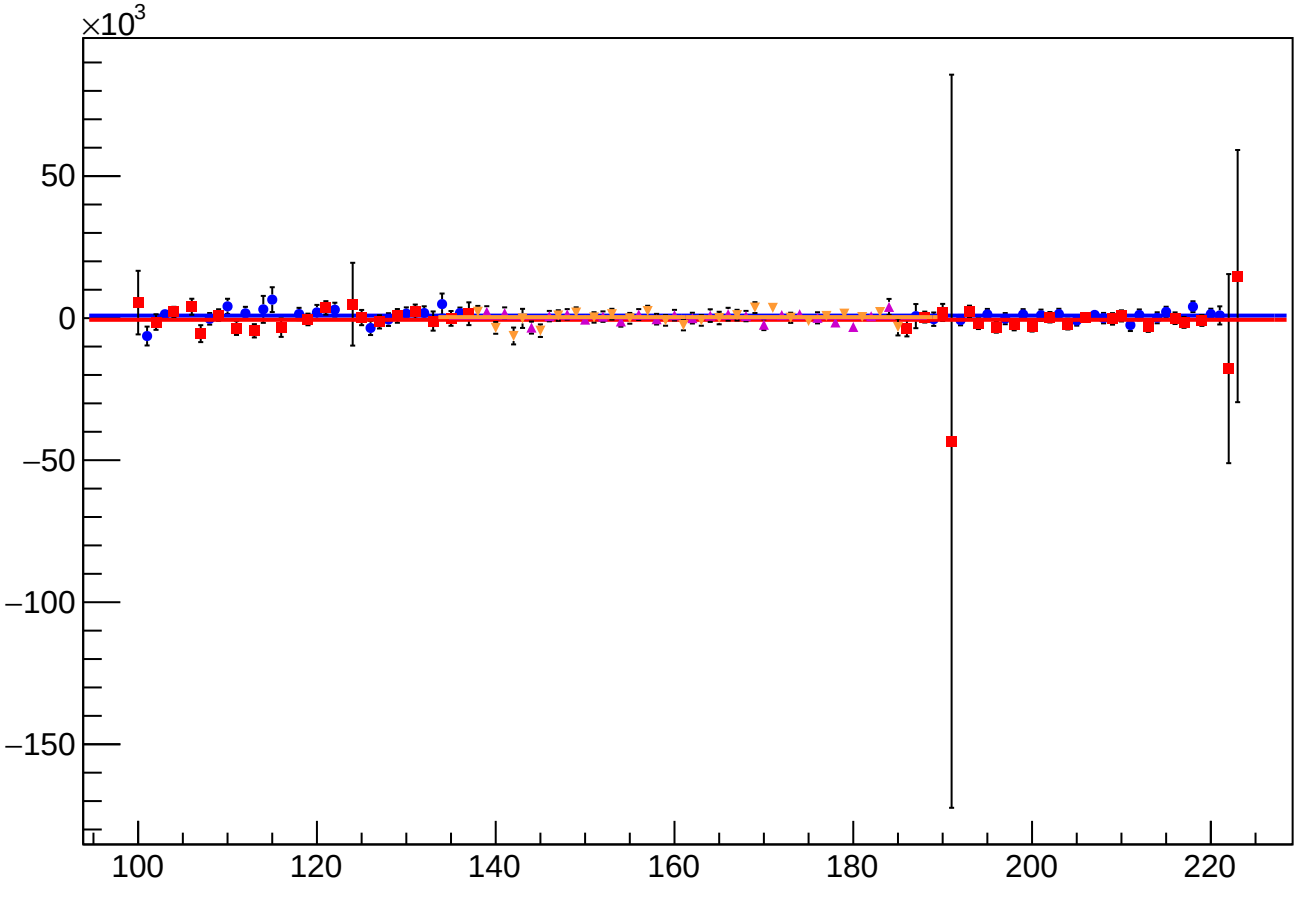
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1640.028+/-0.195 χ^2/NDF: 17594130.5/72

In: 1014.506+/-0.126 χ^2/NDF:15635304.1/56

Out: 989.424+/-0.122 χ^2/NDF:17810297.8/63

All: 1001.569+/-0.088 χ^2/NDF: 33465901.6/1



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

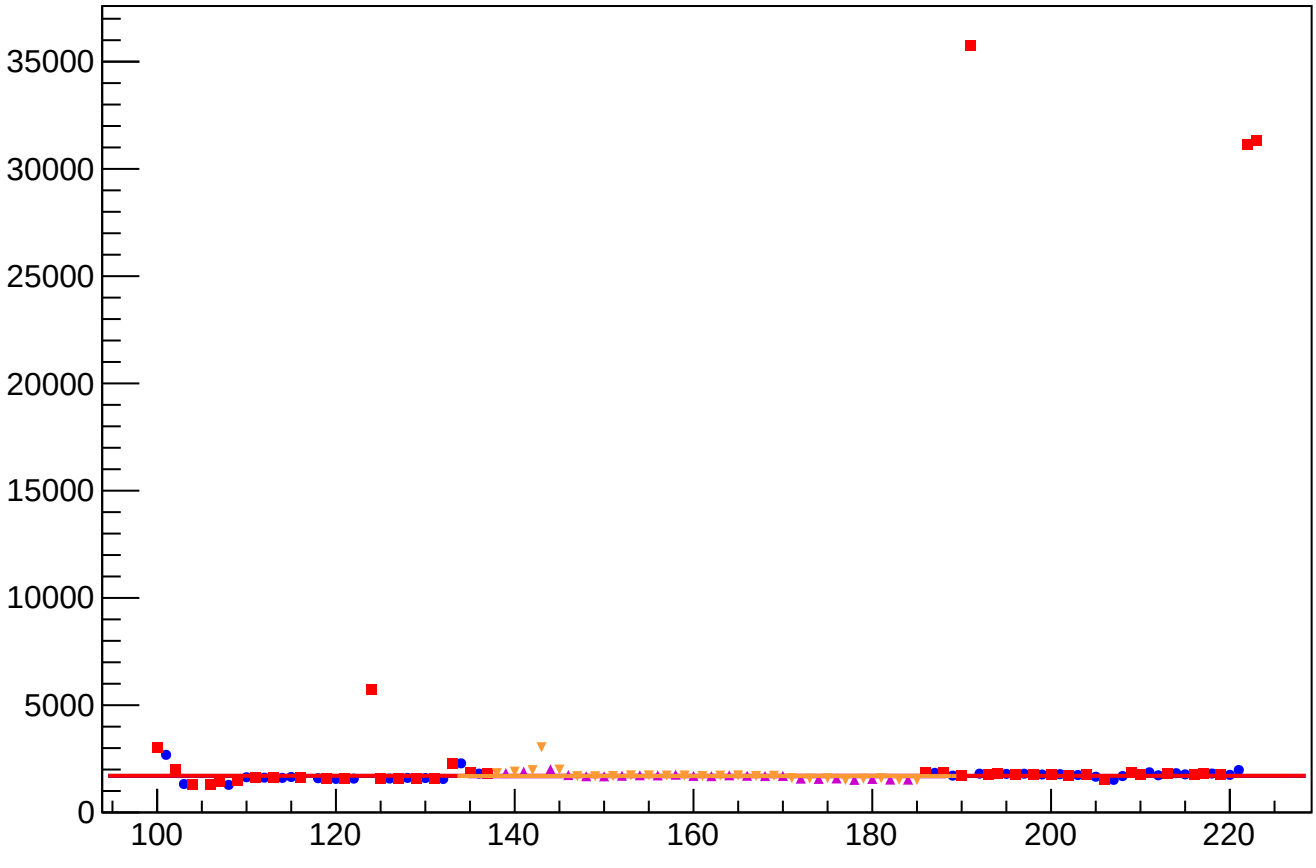
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 162.085+/-263.053 χ^2/NDF: 63.0/72

In: 548.603+/-269.871 χ^2/NDF:41.3/56

Out: -129.100+/-269.265 χ^2/NDF:64.4/63

All: 208.991+/-190.613 χ^2/NDF: 108.8/120



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

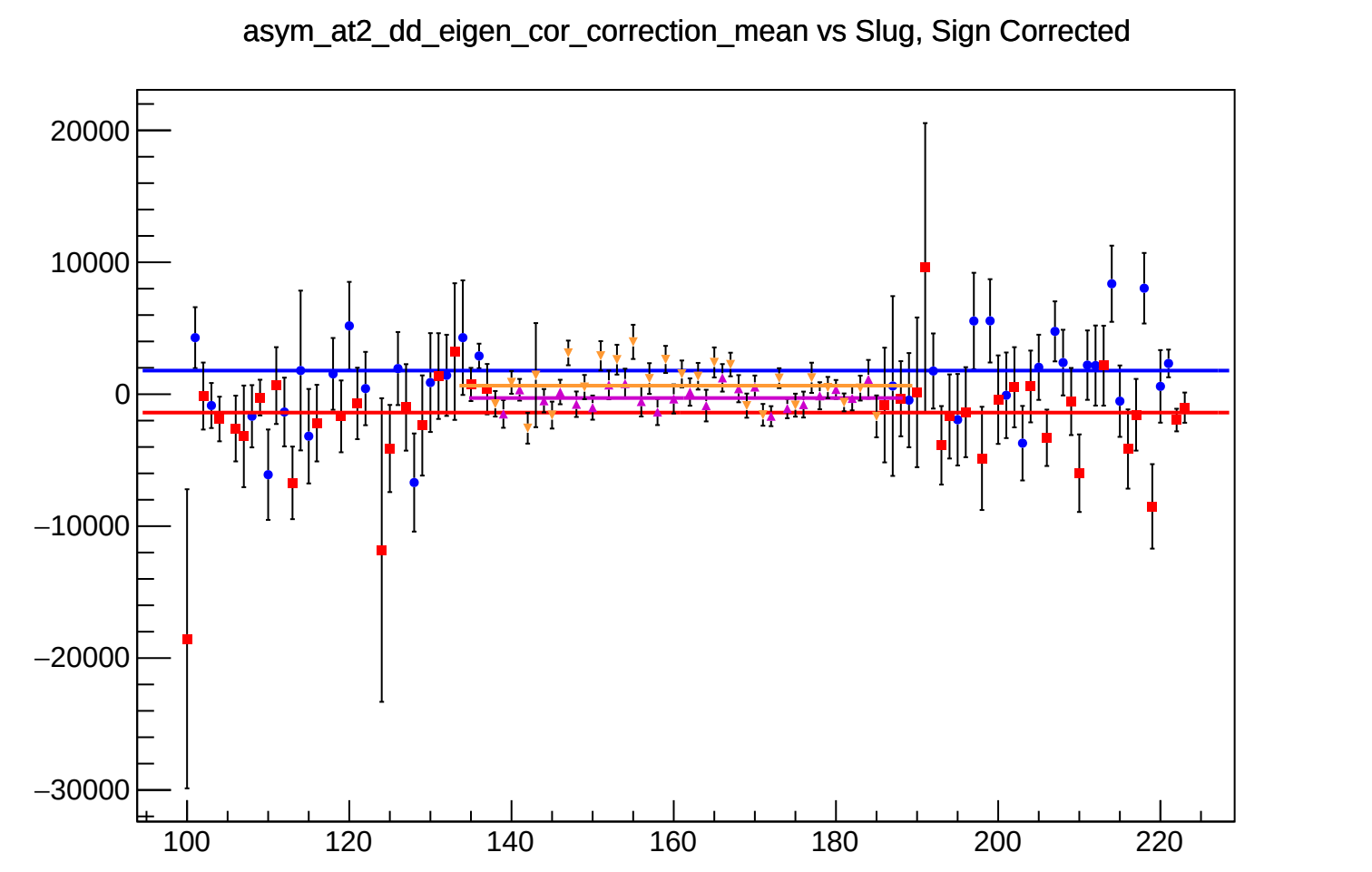
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1706.252+/-0.186 χ^2/NDF: 3736161.8/72

In: 1693.999+/-0.191 χ^2/NDF:715752.0/56

Out: 1704.125+/-0.190 χ^2/NDF:3683978.7/63

All: 1699.074+/-0.135 χ^2/NDF: 4401141.8/12



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

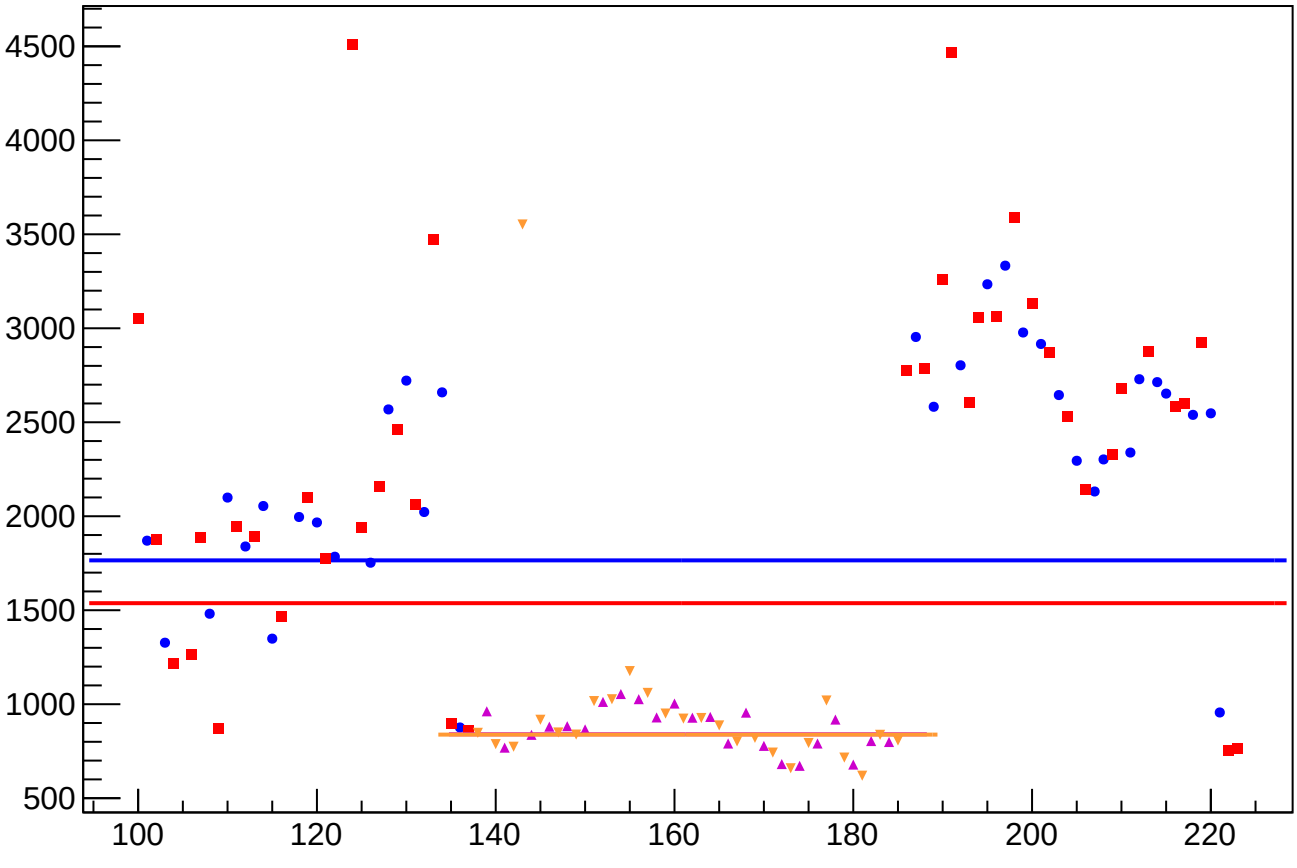
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 40.412+/-276.242 χ^2/NDF: 107.3/72

In: 103.641+/-178.796 χ^2/NDF:81.8/56

Out: 207.596+/-173.235 χ^2/NDF:118.9/63

All: 157.261+/-124.415 χ^2/NDF: 200.9/120



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

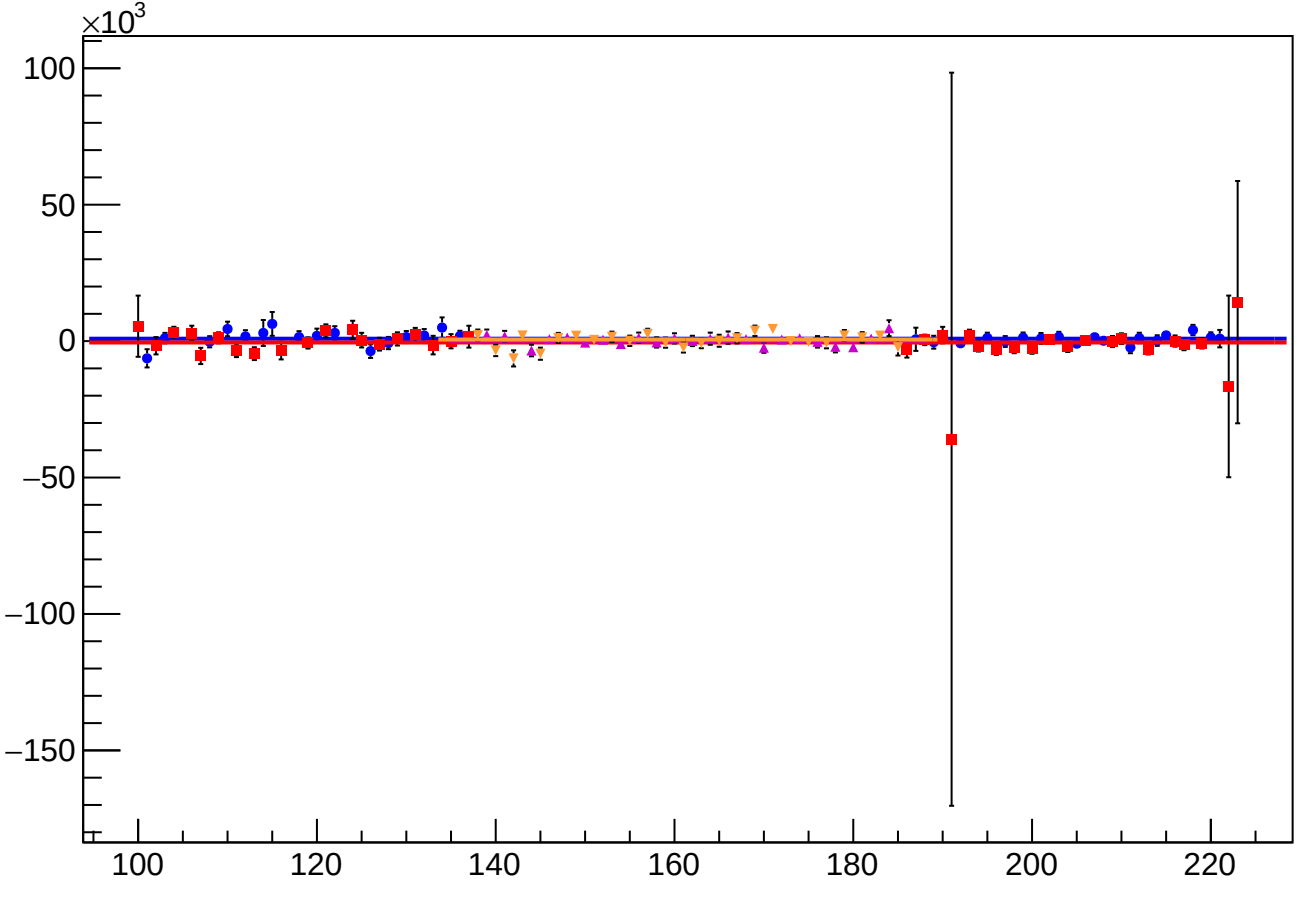
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1640.028+/-0.195 χ^2/NDF: 17594130.5/72

In: 1014.506+/-0.126 χ^2/NDF:15635304.1/56

Out: 989.424+/-0.122 χ^2/NDF:17810297.8/63

All: 1001.569+/-0.088 χ^2/NDF: 33465901.6/1



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

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

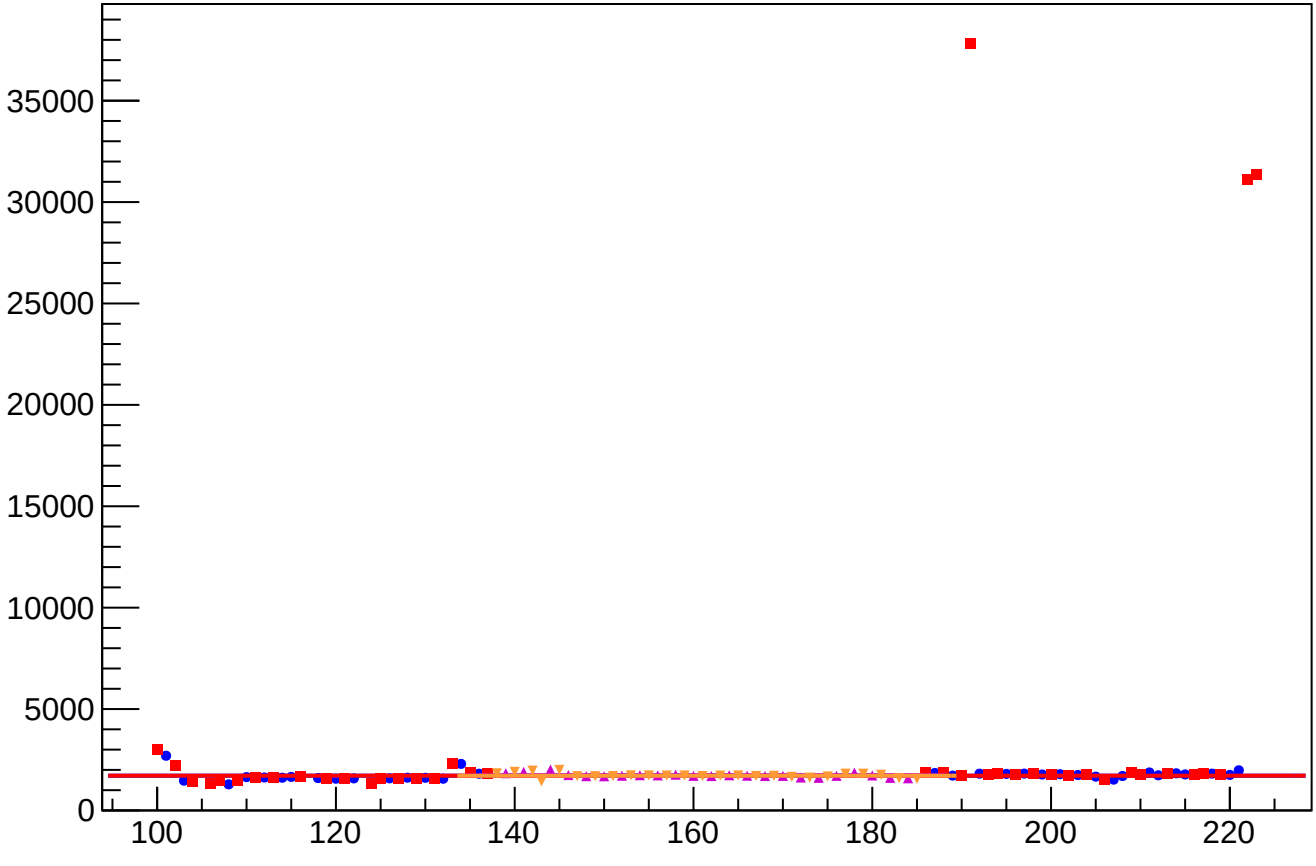
Right: 195.749+/-263.990 χ^2/NDF: 64.8/72

In: 564.610+/-273.835 χ^2/NDF:39.9/56

Out: 17.279+/-269.978 χ^2/NDF:70.0/63

All: 287.064+/-192.252 χ^2/NDF: 111.9/120

dit_asym_at2_dd_rms vs Slug, Sign Corrected



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

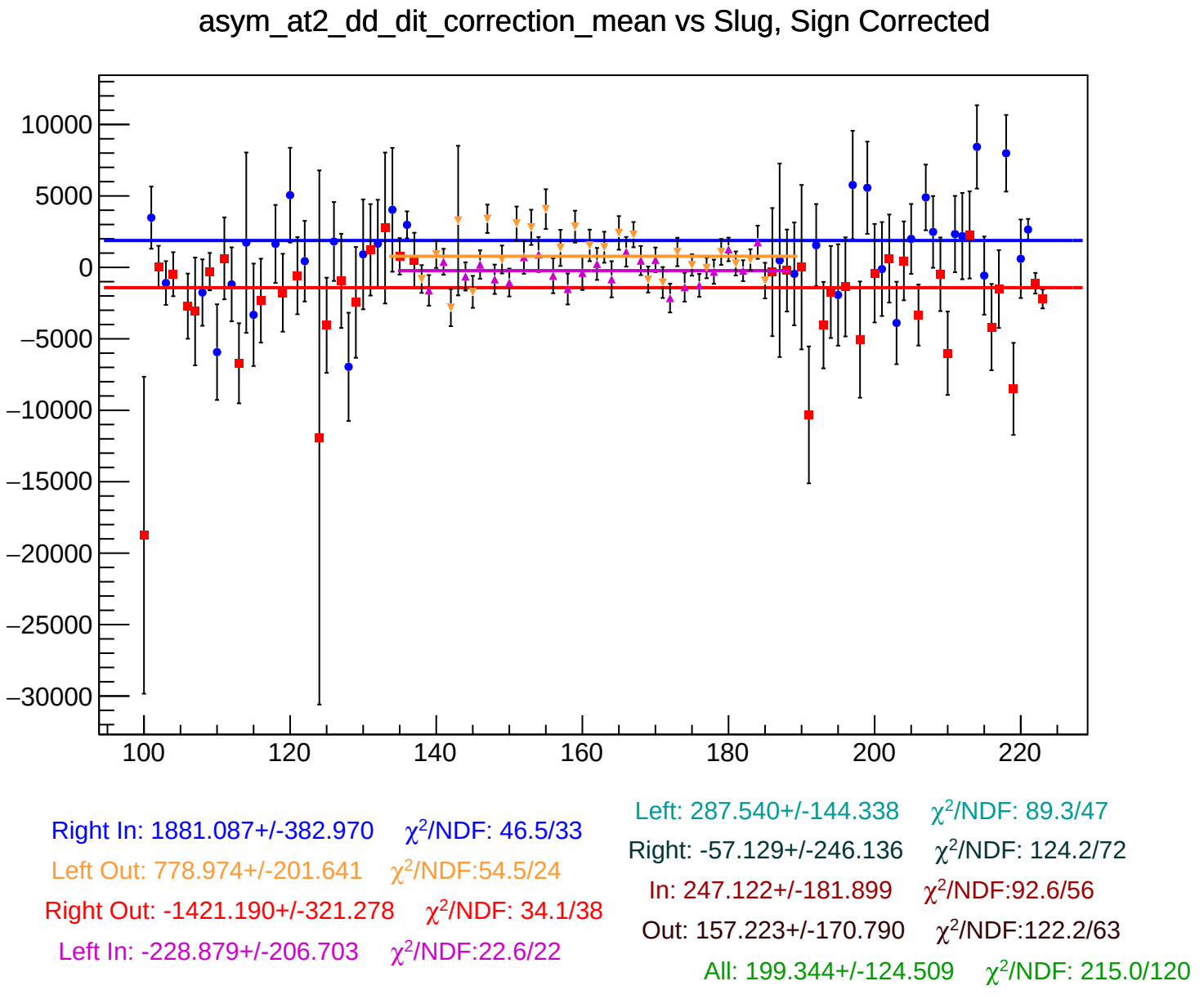
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

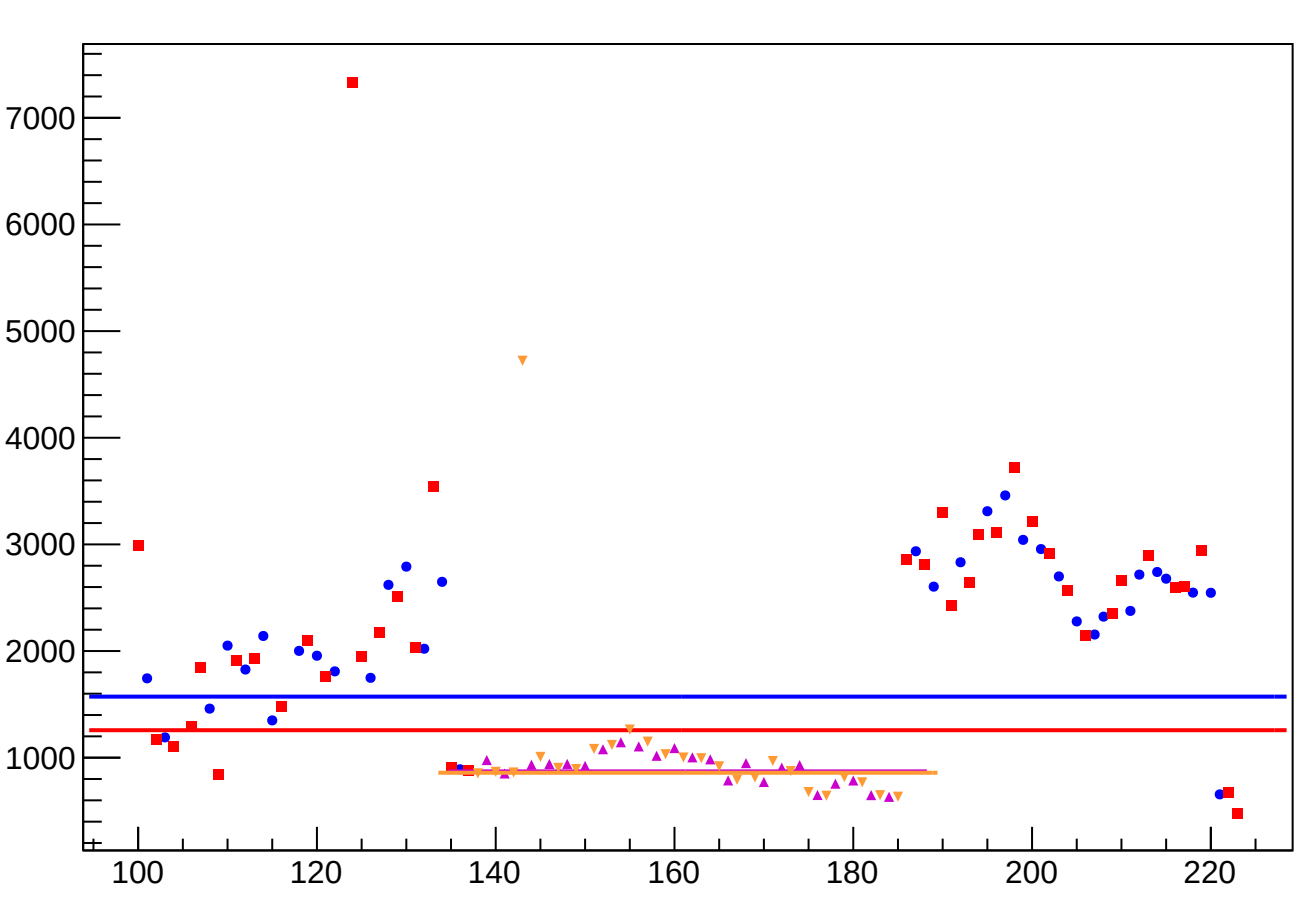
Right: 1714.228+/-0.187 χ^2/NDF: 3531925.3/72

In: 1720.173+/-0.194 χ^2/NDF:588147.1/56

Out: 1713.351+/-0.191 χ^2/NDF:3213424.6/63

All: 1716.713+/-0.136 χ^2/NDF: 3802201.1/12


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
220
Right In: 1881.087+/-382.970 χ²/NDF: 46.5/33
Left Out: 778.974+/-201.641 χ²/NDF:54.5/24
Right Out: -1421.190+/-321.278 χ²/NDF: 34.1/38
Left In: -228.879+/-206.703 χ²/NDF:22.6/22
Left: 287.540+/-144.338 χ²/NDF: 89.3/47
Right: -57.129+/-246.136 χ²/NDF: 124.2/72
In: 247.122+/-181.899 χ²/NDF:92.6/56
Out: 157.223+/-170.790 χ²/NDF:122.2/63
All: 199.344+/-124.509 χ²/NDF: 215.0/120



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

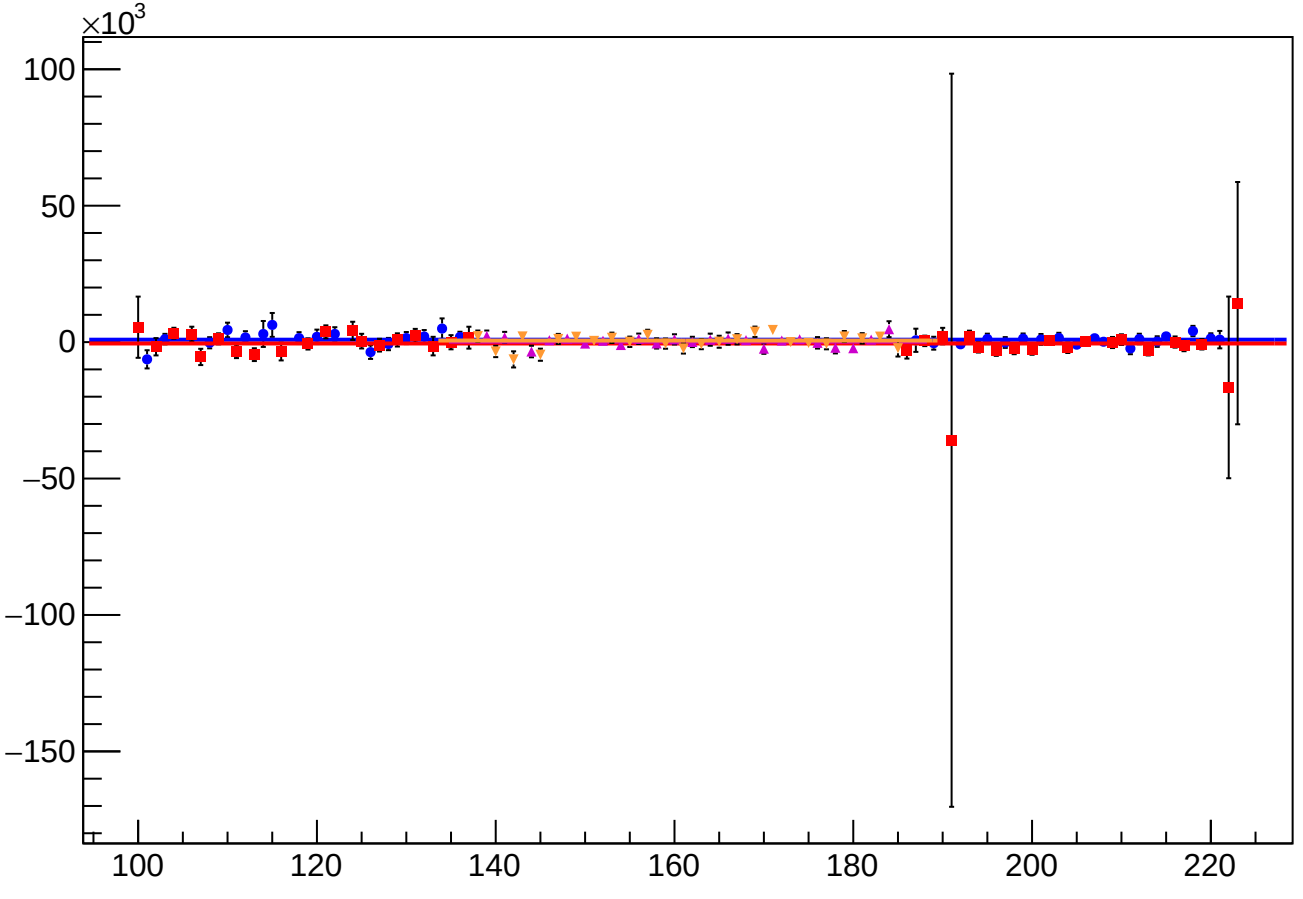
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1387.707+/-0.174 χ^2/NDF: 25199038.5/72

In: 1029.673+/-0.129 χ^2/NDF:15846107.6/56

Out: 971.357+/-0.121 χ^2/NDF:19221145.0/63

All: 998.680+/-0.088 χ^2/NDF: 35176500.9/12



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

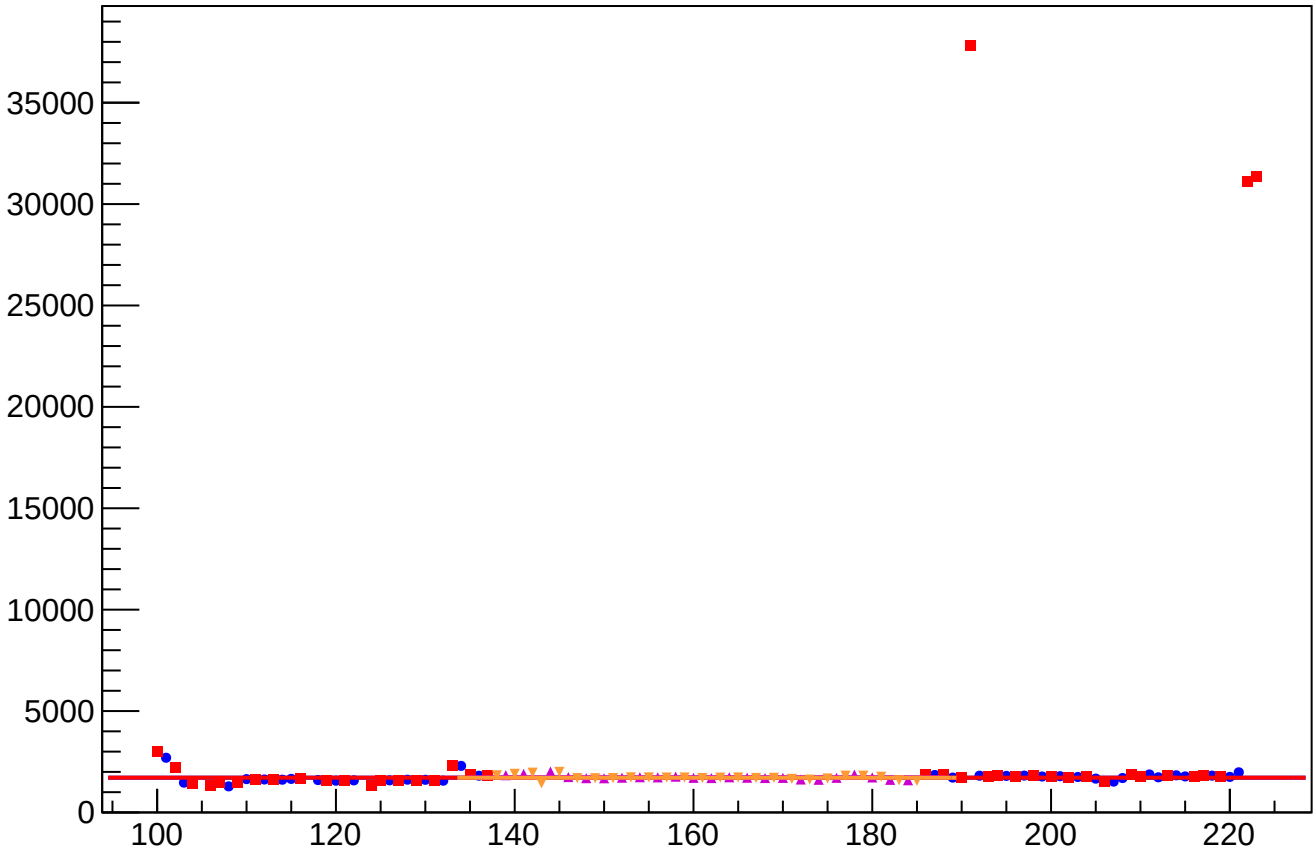
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 195.747+/-263.990 χ^2/NDF: 64.8/72

In: 564.606+/-273.835 χ^2/NDF:39.9/56

Out: 17.280+/-269.978 χ^2/NDF:70.0/63

All: 287.062+/-192.252 χ^2/NDF: 111.9/120



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

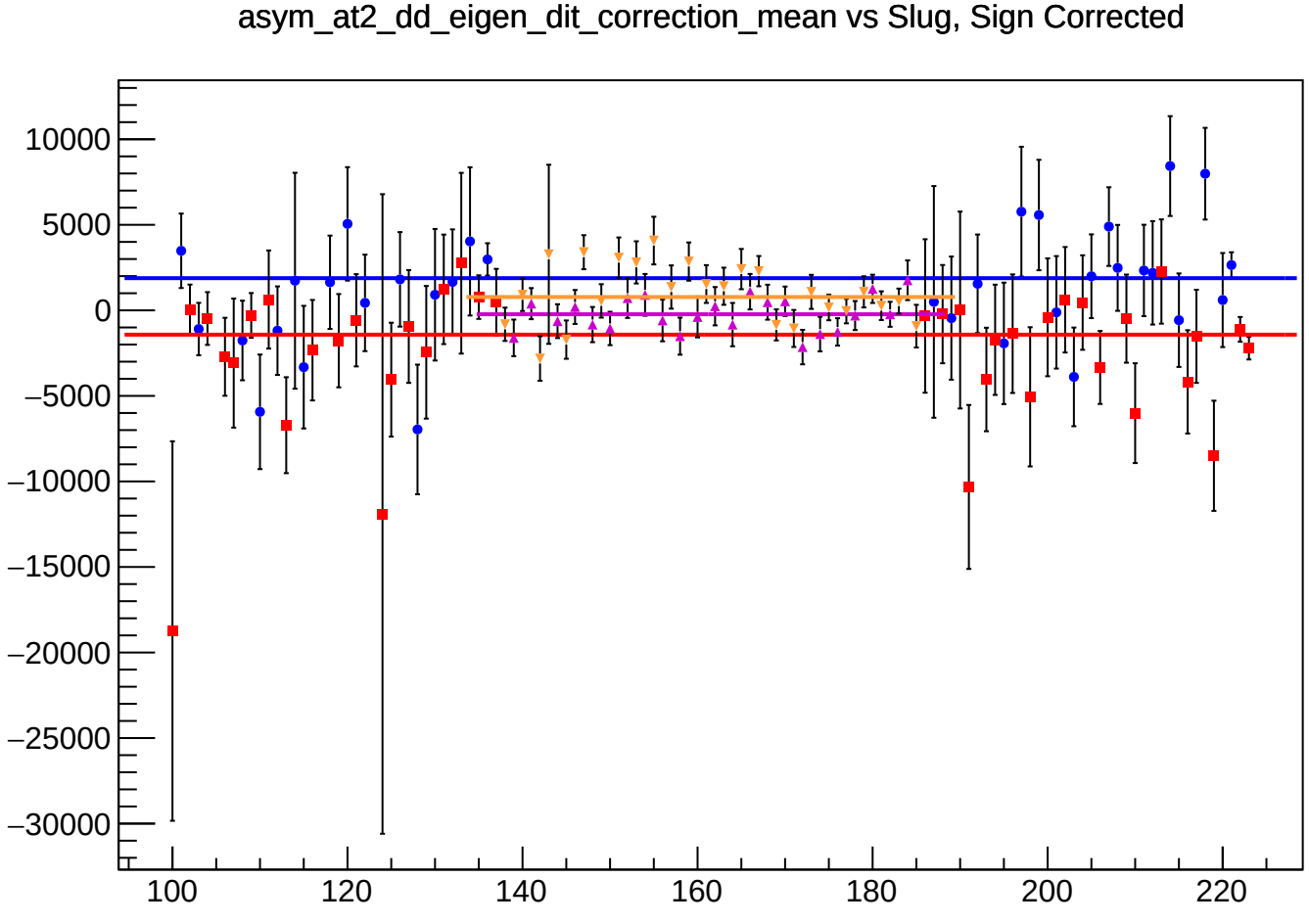
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1714.228+/-0.187 χ^2/NDF: 3531925.4/72

In: 1720.172+/-0.194 χ^2/NDF:588146.9/56

Out: 1713.351+/-0.191 χ^2/NDF:3213423.6/63

All: 1716.713+/-0.136 χ^2/NDF: 3802199.9/12



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

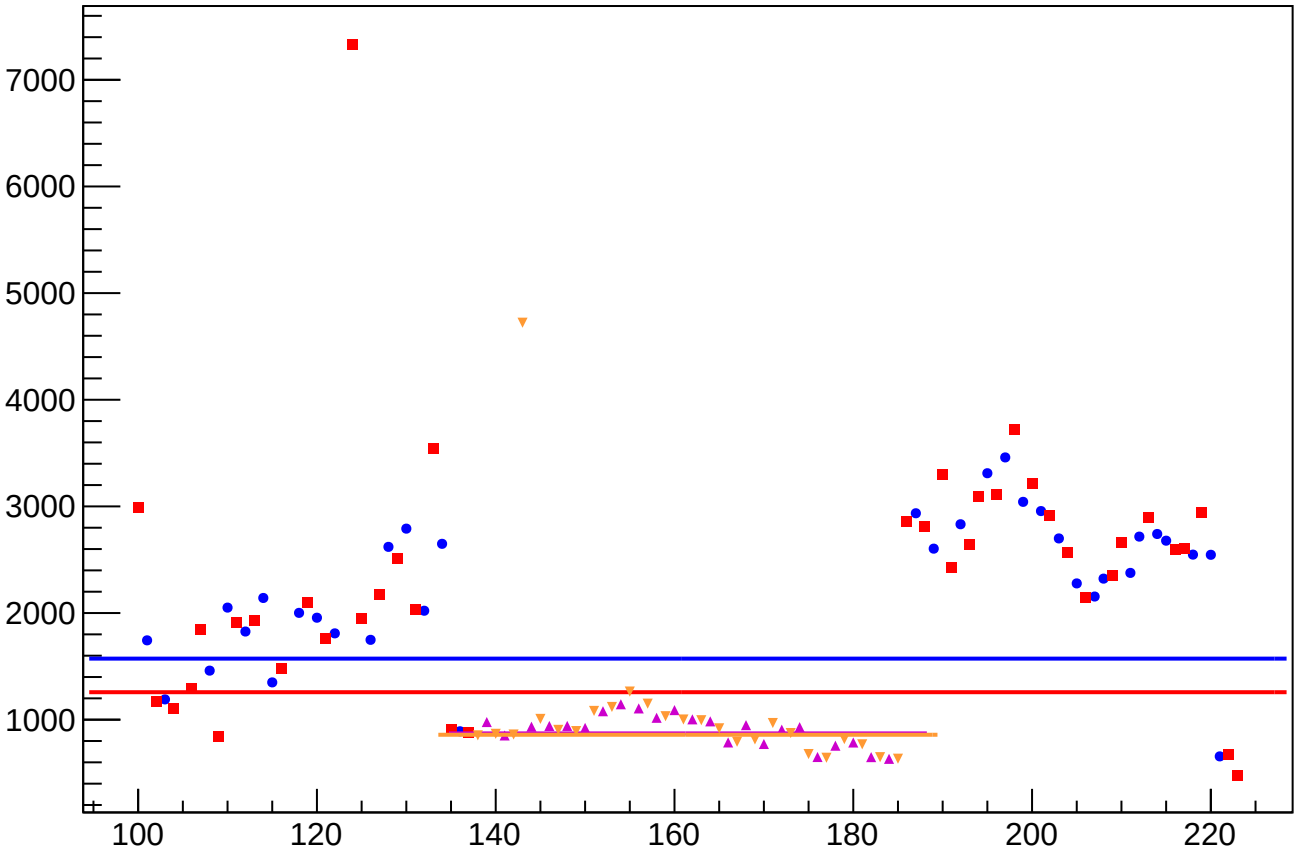
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: -57.132+/-246.137 χ^2/NDF: 124.2/72

In: 247.121+/-181.899 χ^2/NDF:92.6/56

Out: 157.226+/-170.790 χ^2/NDF:122.2/63

All: 199.345+/-124.509 χ^2/NDF: 215.0/120



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

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

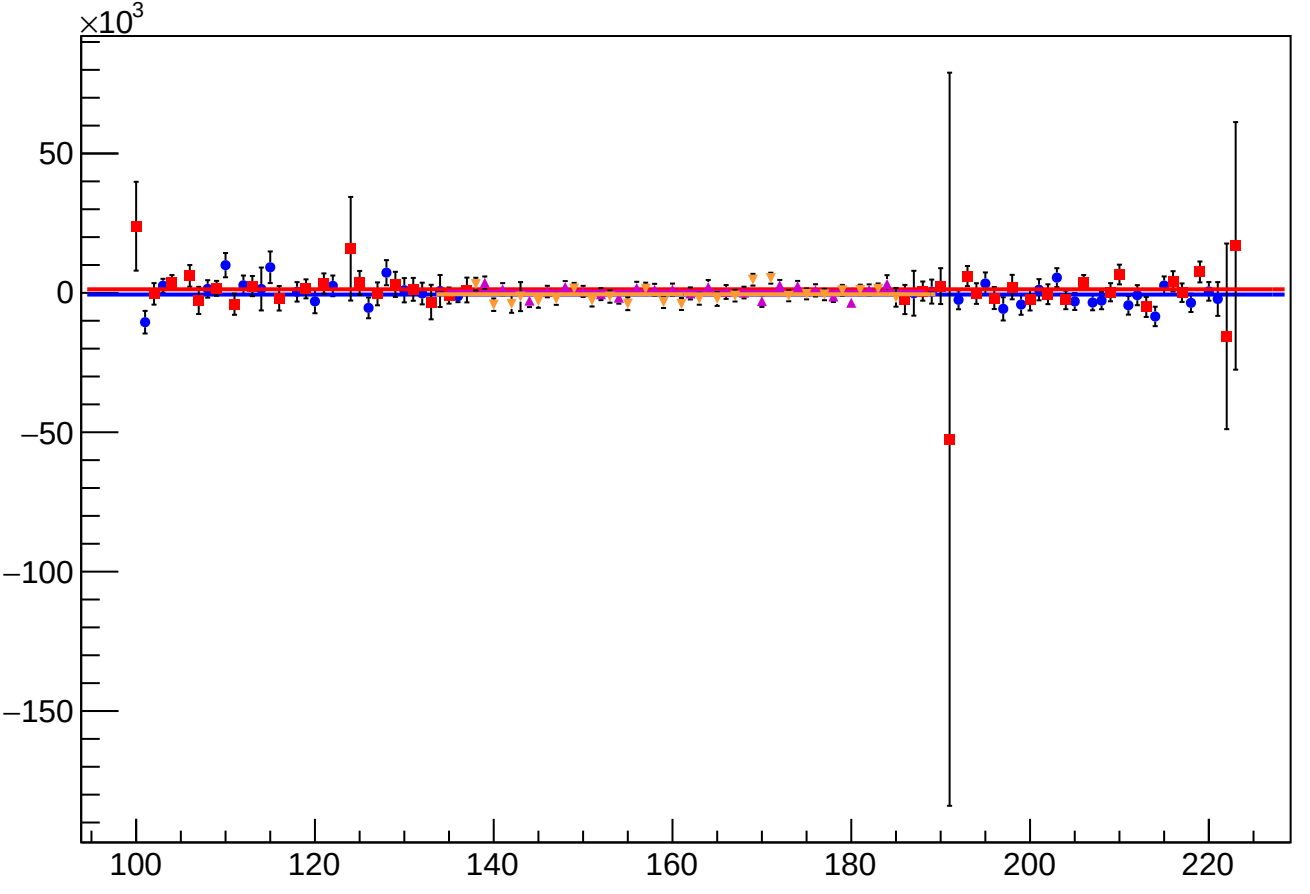
Right: 1387.713+/-0.174 χ^2/NDF: 25198842.8/72

In: 1029.673+/-0.129 χ^2/NDF:15846073.3/56

Out: 971.358+/-0.121 χ^2/NDF:19221118.4/63

All: 998.680+/-0.088 χ^2/NDF: 35176435.9/12

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

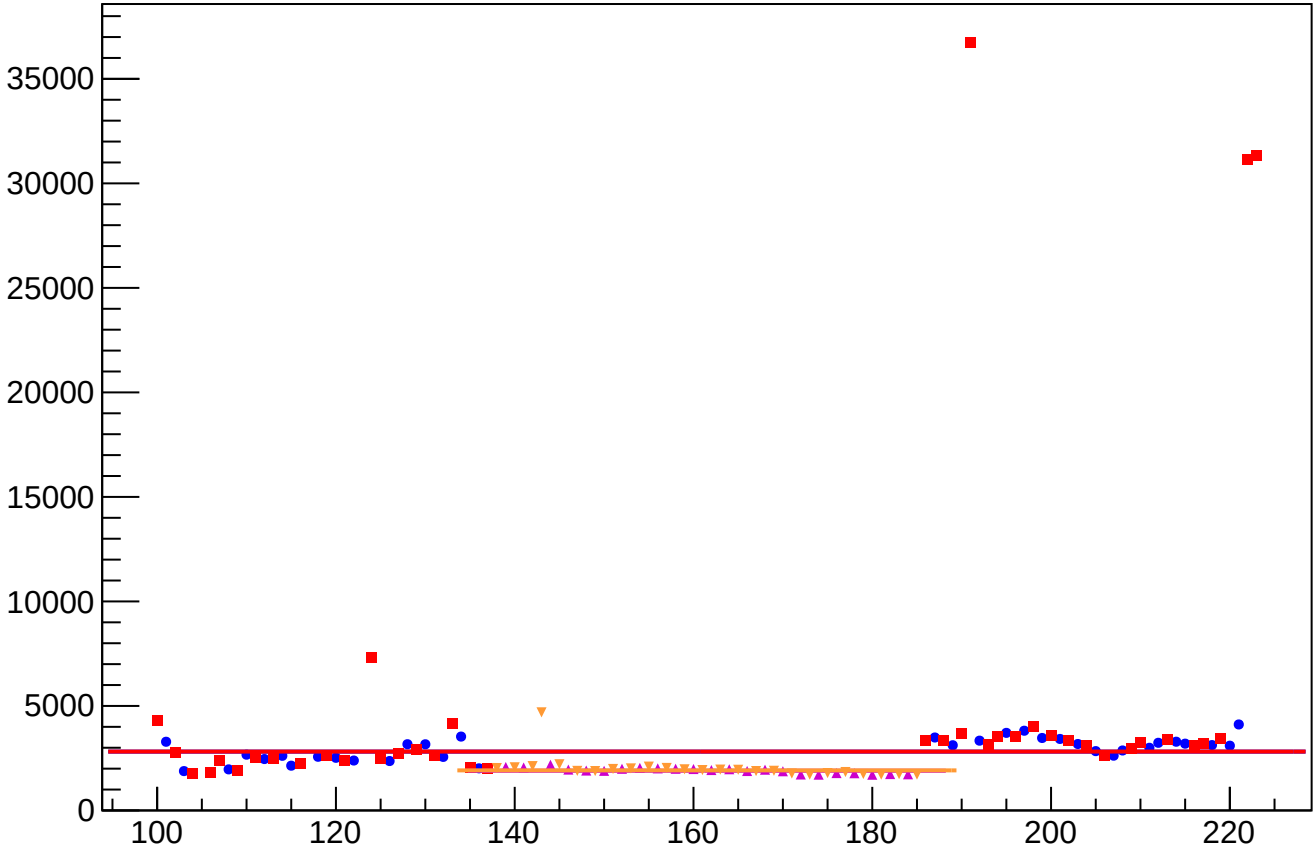
Right: 328.726+/-440.609 χ^2/NDF: 73.2/72

In: 66.450+/-361.176 χ^2/NDF:62.3/56

Out: 87.336+/-360.095 χ^2/NDF:68.2/63

All: 76.924+/-255.007 χ^2/NDF: 130.6/120

asym_at2_dd_rms vs Slug, Sign Corrected



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

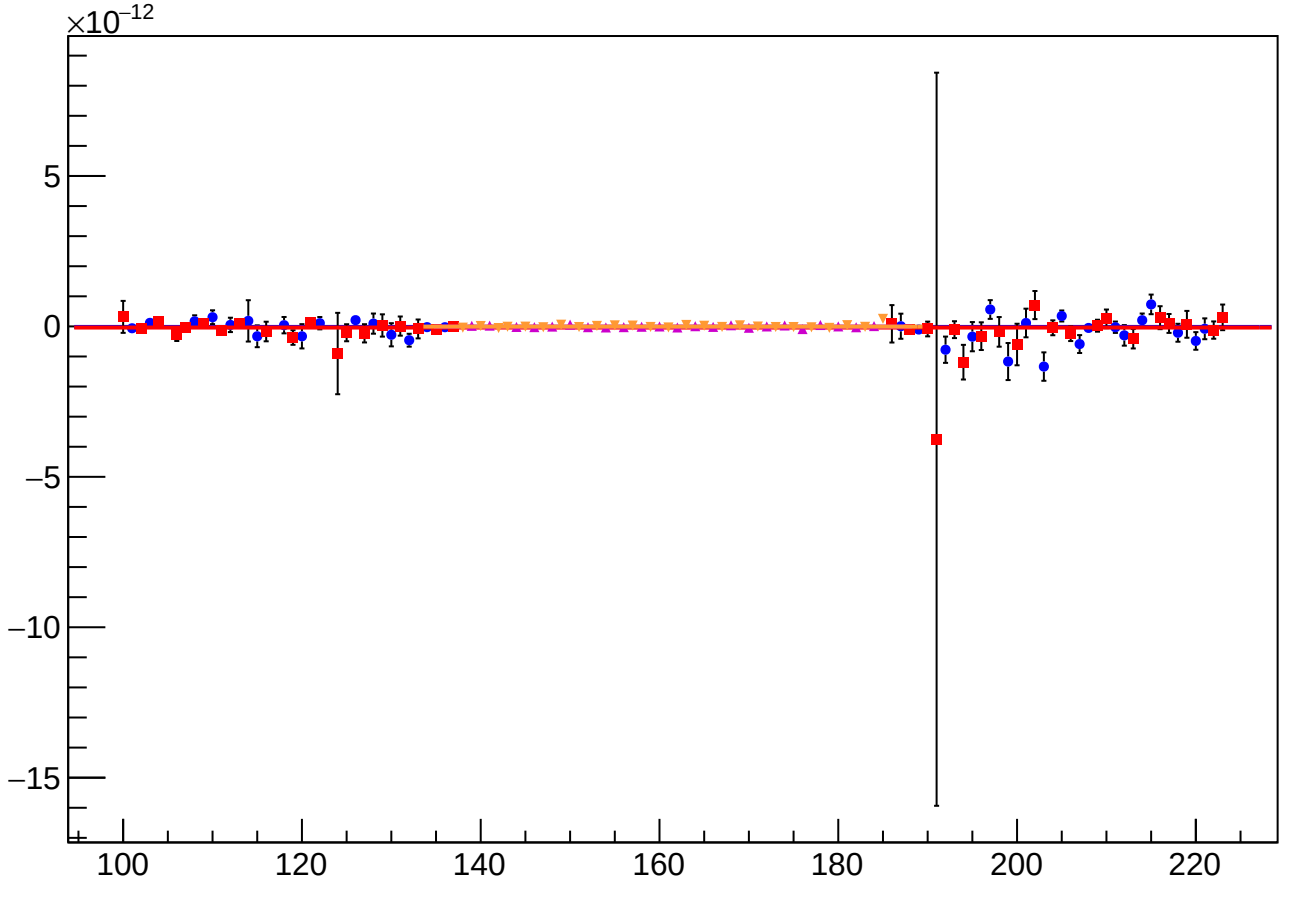
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2815.999+/-0.312 χ^2/NDF: 6039525.1/72

In: 2210.449+/-0.255 χ^2/NDF:4645383.0/56

Out: 2214.230+/-0.255 χ^2/NDF:7970368.6/63

All: 2212.345+/-0.180 χ^2/NDF: 12615861.5/



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

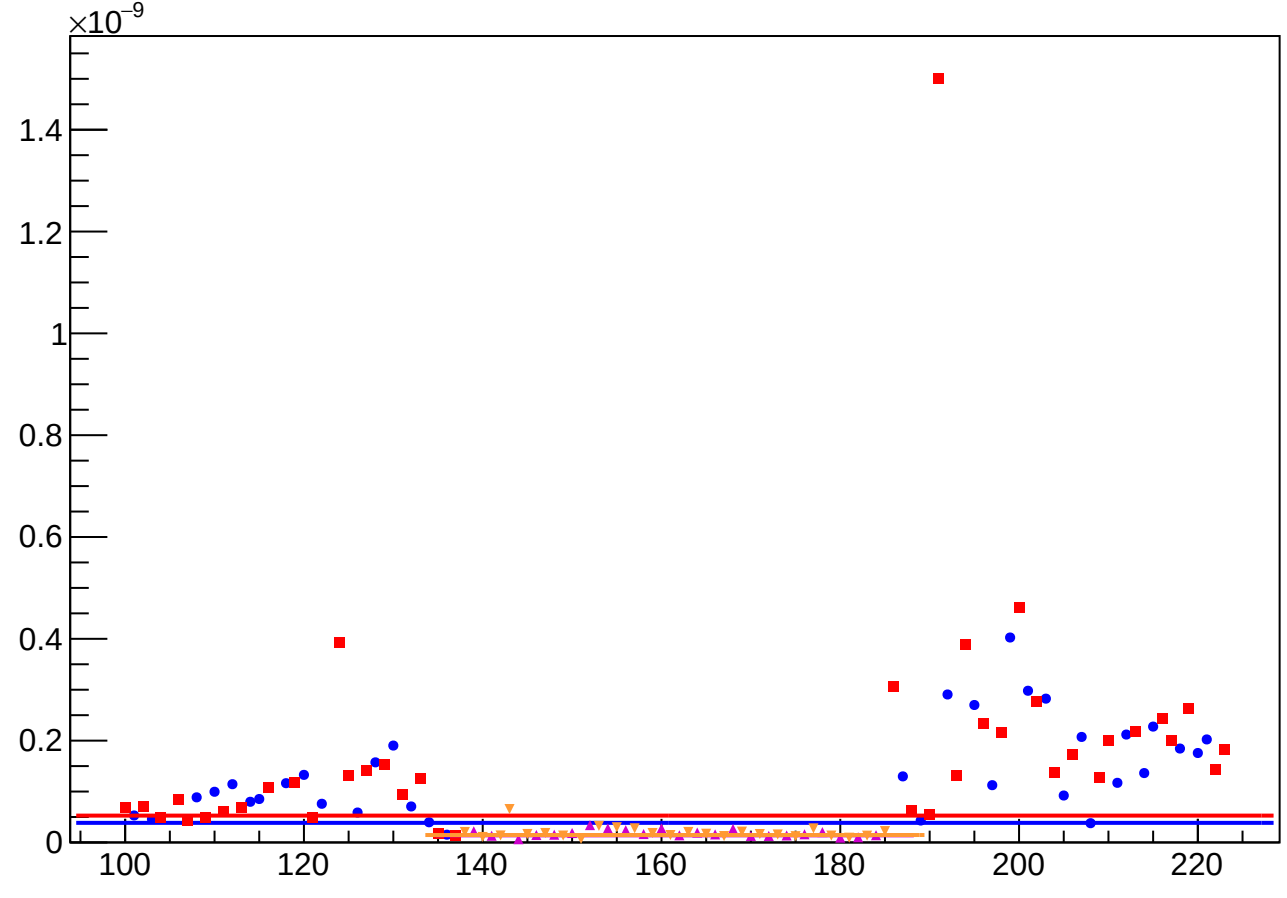
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 79.6/72

In: -0.000+/-0.000 χ^2/NDF:76.4/56

Out: -0.000+/-0.000 χ^2/NDF:58.1/63

All: -0.000+/-0.000 χ^2/NDF: 134.5/120



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

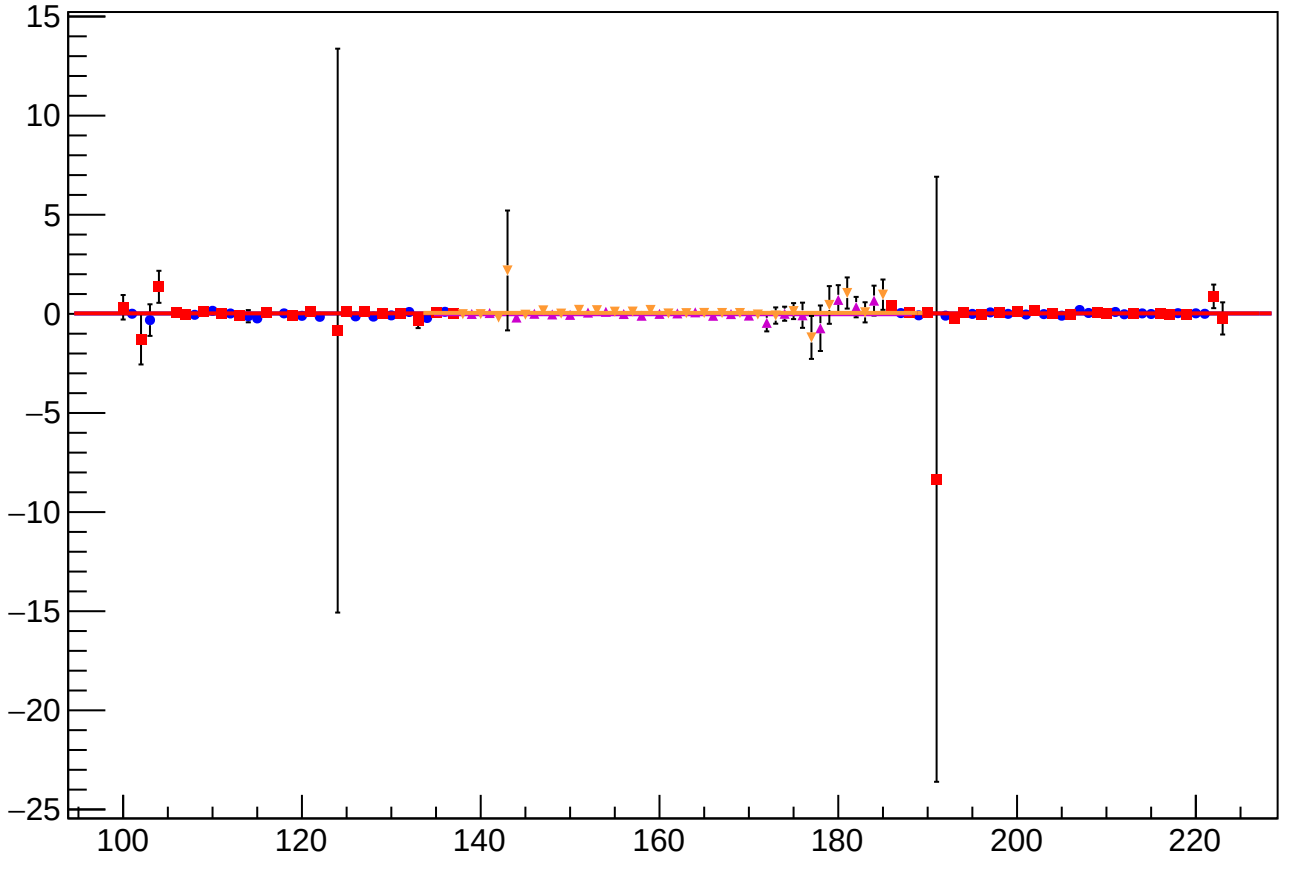
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 20610131.4/72

In: 0.000+/-0.000 χ^2/NDF:15049790.3/56

Out: 0.000+/-0.000 χ^2/NDF:15798531.3/63

All: 0.000+/-0.000 χ^2/NDF: 30862973.5/120



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

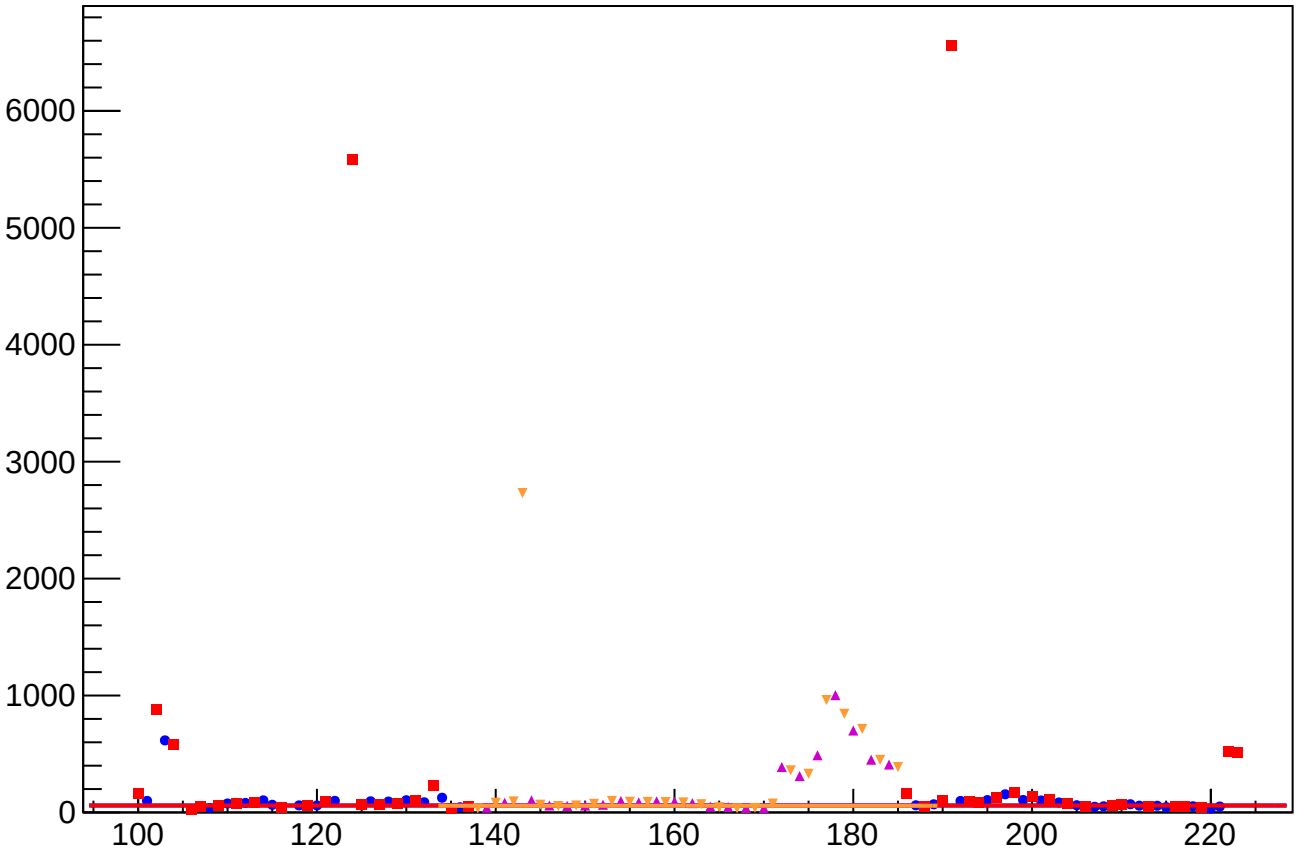
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.010 χ^2/NDF: 61.6/72

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:56.4/63

All: 0.019+/-0.008 χ^2/NDF: 109.8/120



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

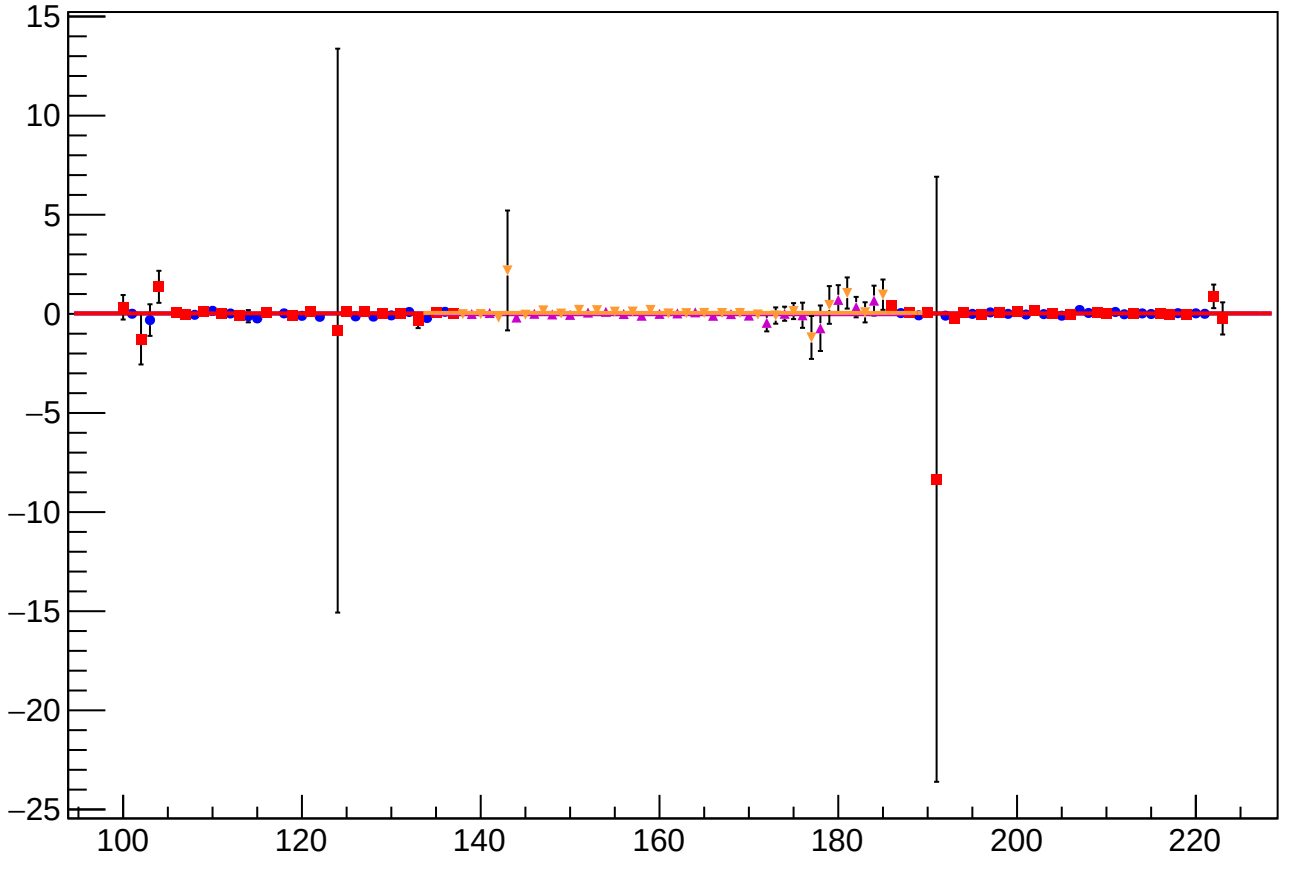
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 59.391+/-0.007 χ^2/NDF: 14790595.7/72

In: 59.004+/-0.008 χ^2/NDF:15678814.6/56

Out: 58.507+/-0.008 χ^2/NDF:21702523.9/63

All: 58.759+/-0.006 χ^2/NDF: 37383317.3/120



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

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

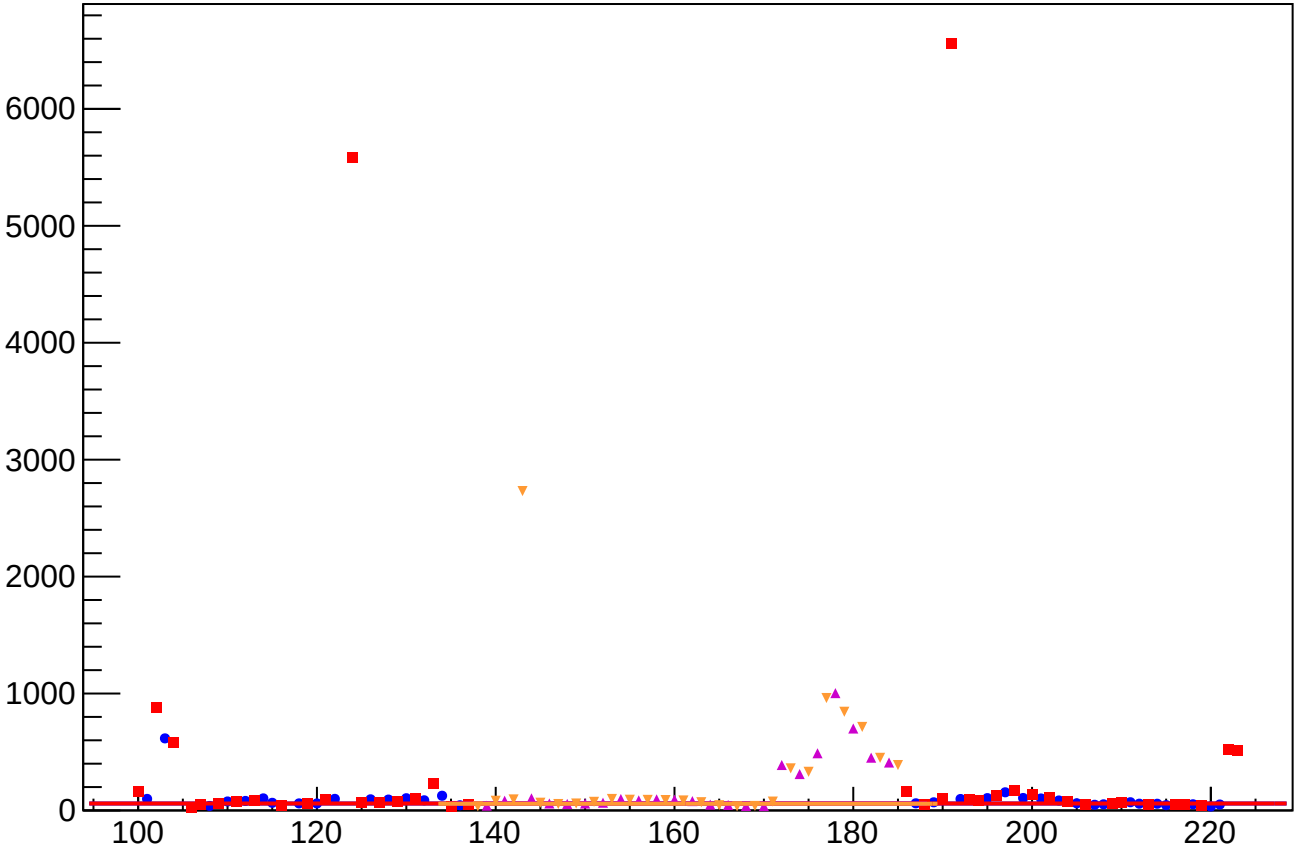
Right: 0.022+/-0.010 χ^2/NDF: 61.6/72

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:56.4/63

All: 0.019+/-0.008 χ^2/NDF: 109.8/120

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

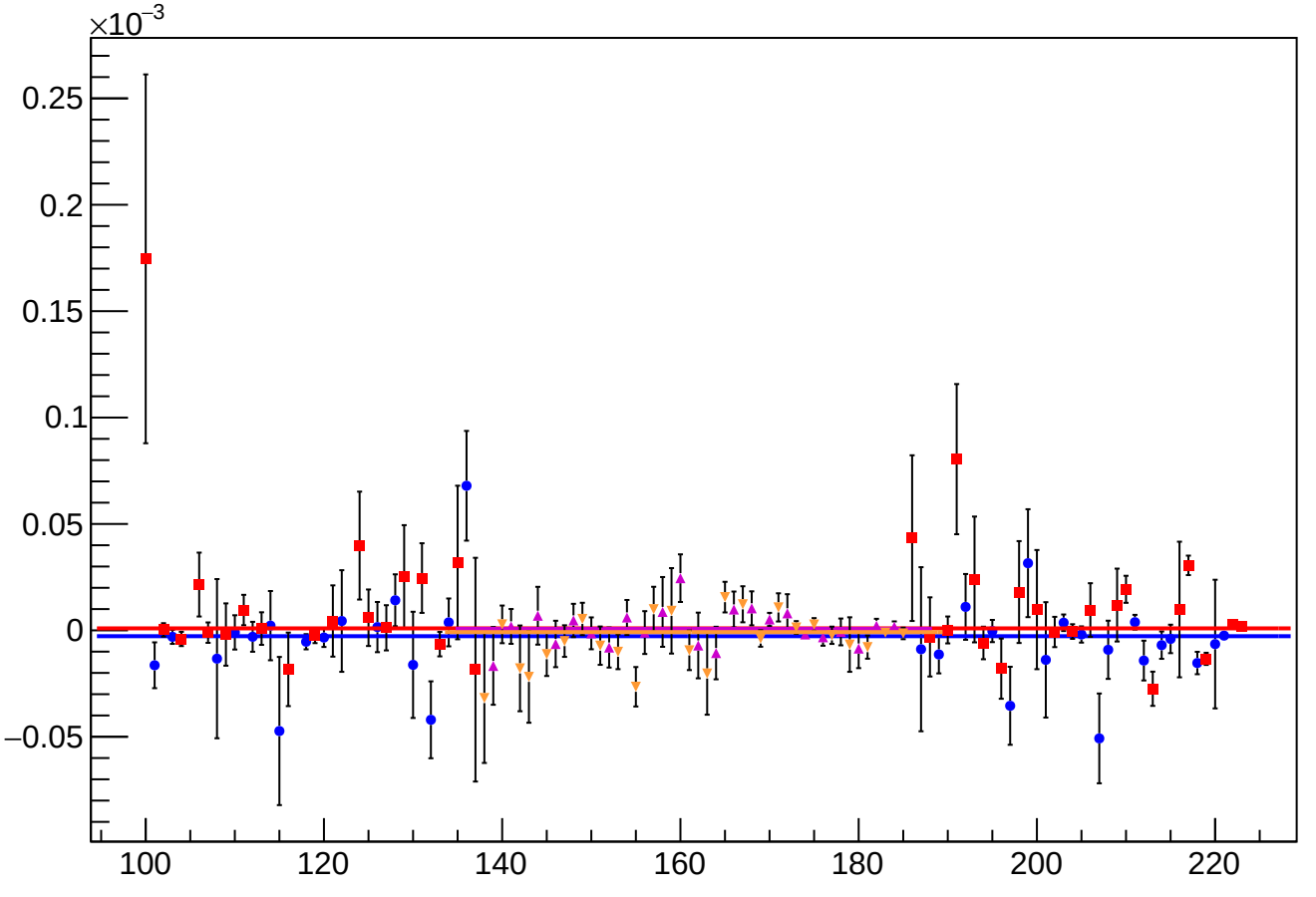
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 59.391+/-0.007 χ^2/NDF: 14790595.7/72

In: 59.004+/-0.008 χ^2/NDF:15678814.6/56

Out: 58.507+/-0.008 χ^2/NDF:21702523.9/63

All: 58.759+/-0.006 χ^2/NDF: 37383317.3/120



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

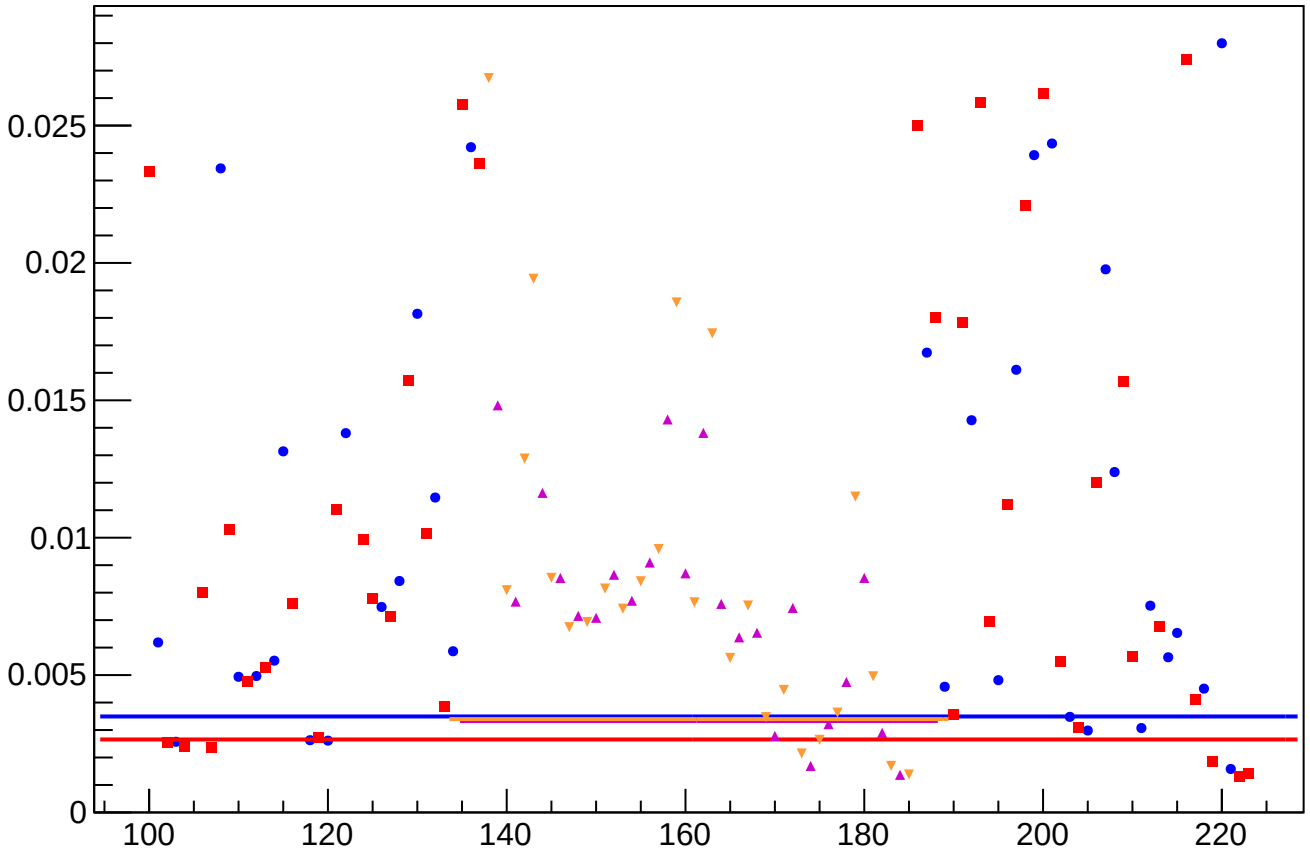
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 175.0/72

In: -0.000+/-0.000 χ^2/NDF:70.0/56

Out: 0.000+/-0.000 χ^2/NDF:155.9/63

All: -0.000+/-0.000 χ^2/NDF: 227.9/120



Right In: 0.003+/-0.000 χ^2/NDF: 16141210.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20516432.7/38

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

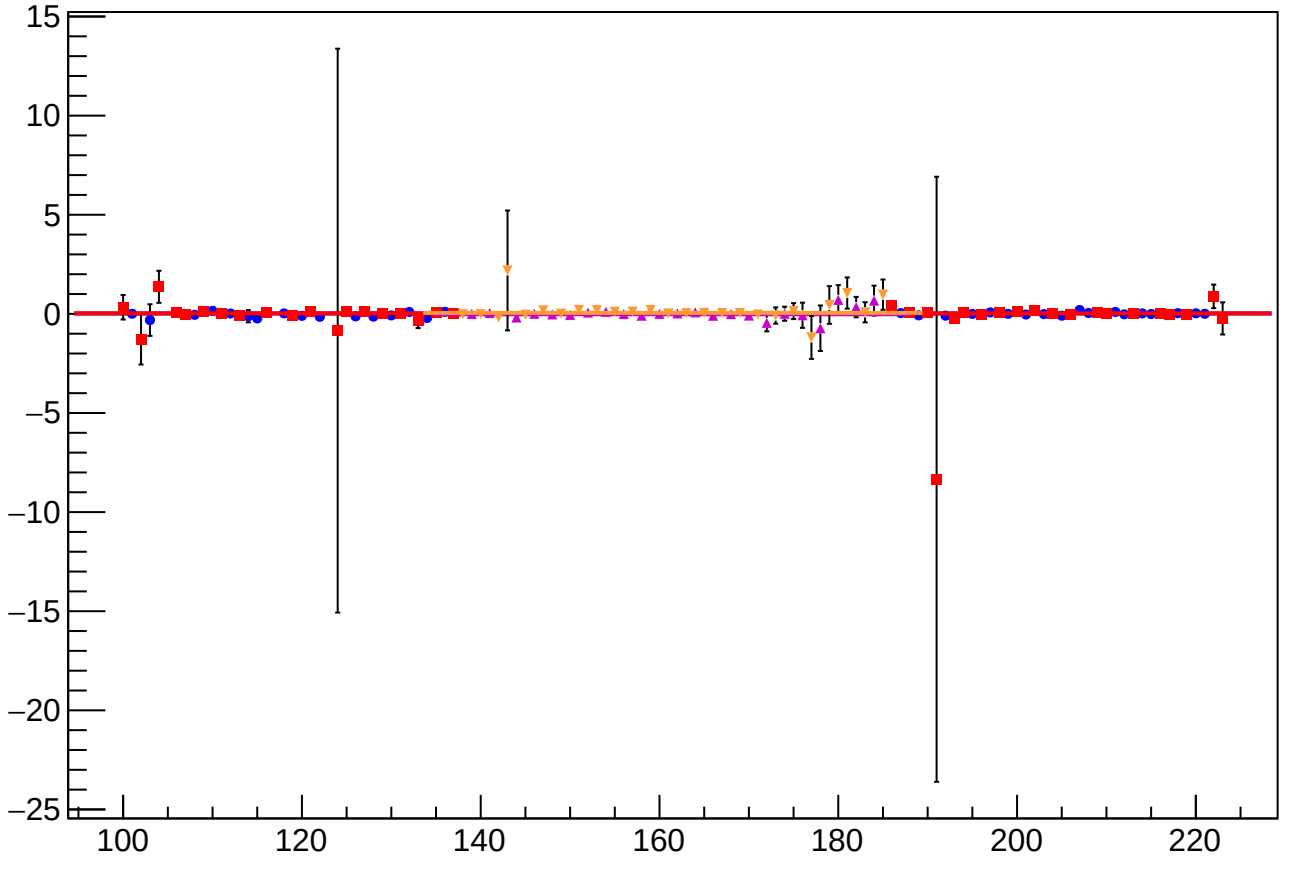
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.003+/-0.000 χ^2/NDF: 37492537.9/72

In: 0.003+/-0.000 χ^2/NDF:28733538.8/56

Out: 0.003+/-0.000 χ^2/NDF:35416100.5/63

All: 0.003+/-0.000 χ^2/NDF: 64632943.7/120



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

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

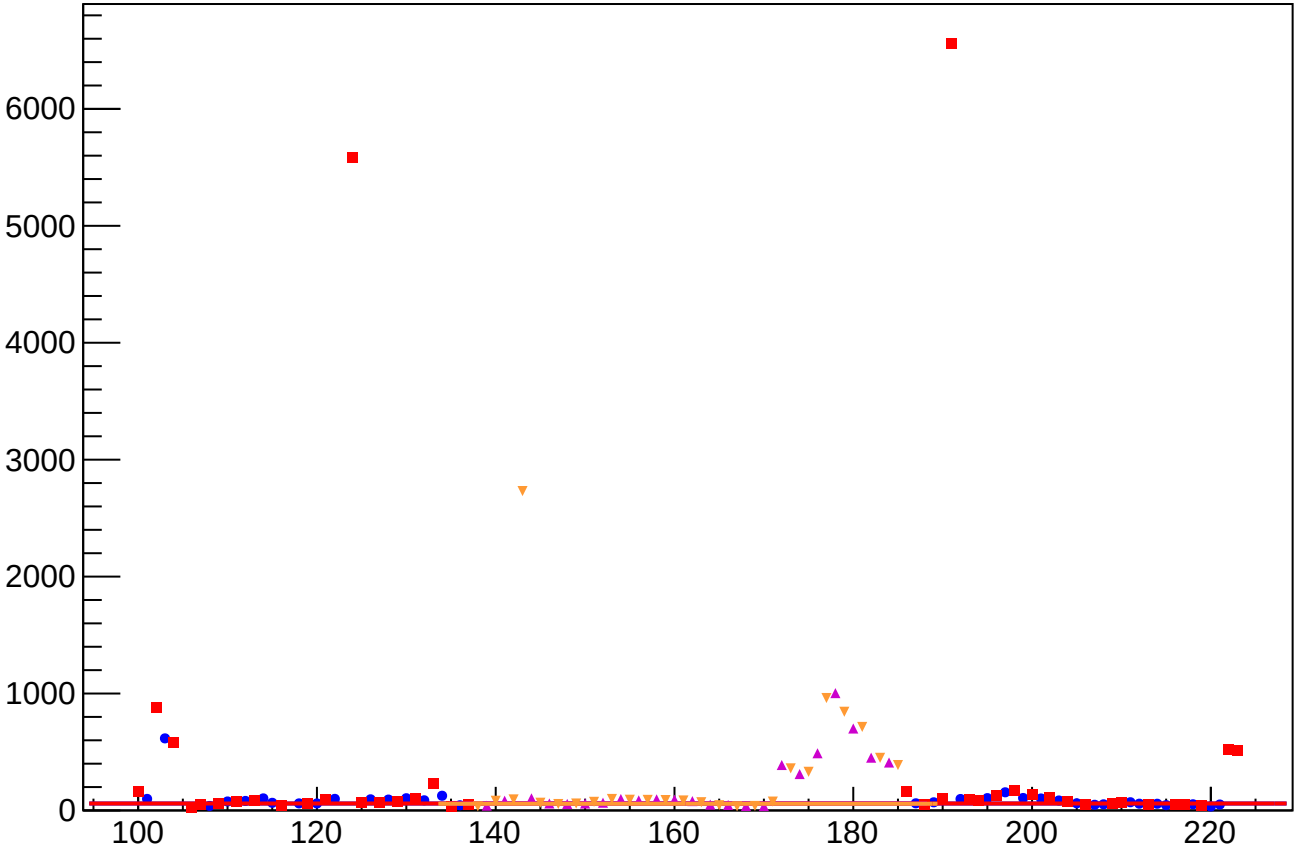
Right: 0.022+/-0.010 χ^2/NDF: 61.6/72

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:56.4/63

All: 0.019+/-0.008 χ^2/NDF: 109.8/120

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

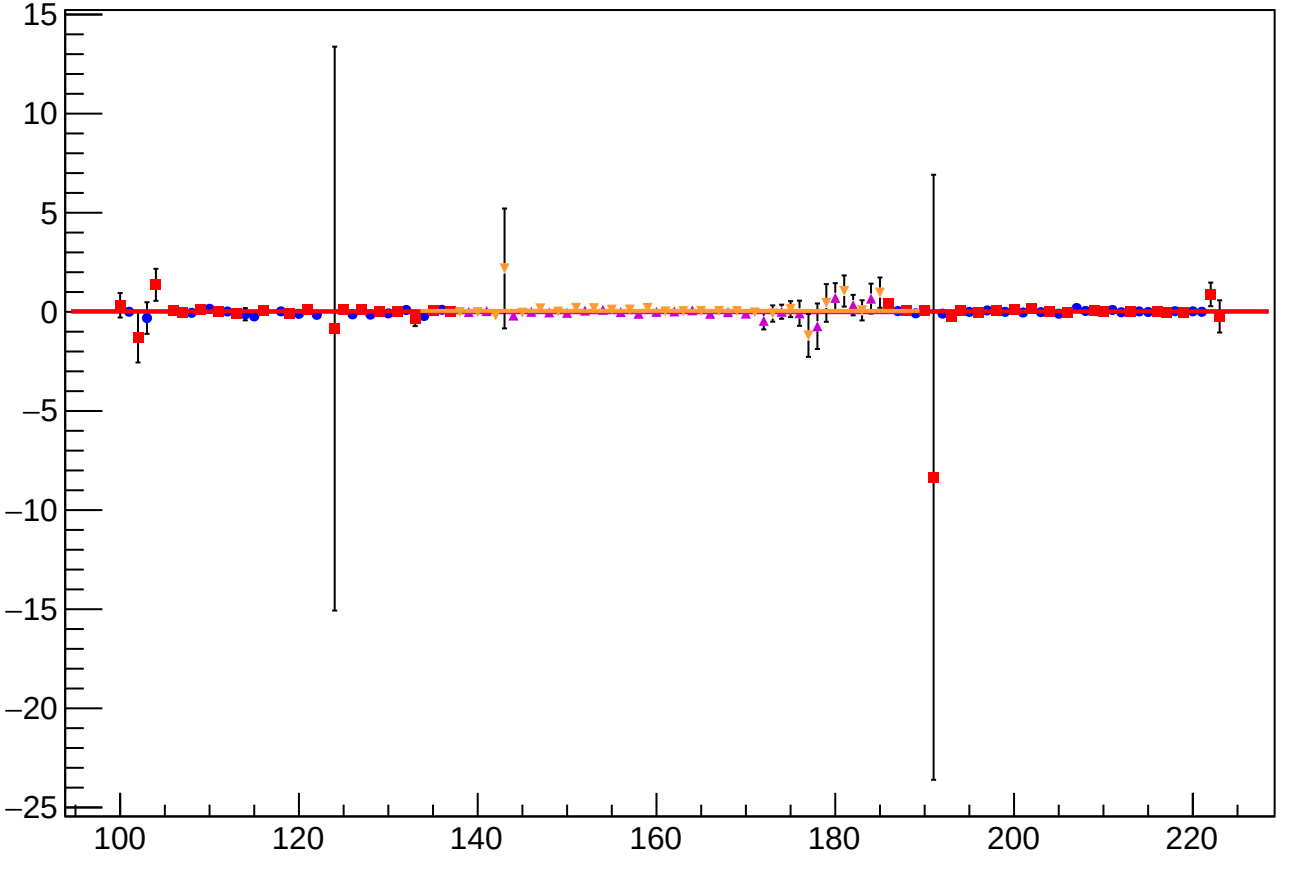
Right: 59.396+/-0.007 χ^2/NDF: 14786755.2/72

In: 59.012+/-0.008 χ^2/NDF:15673688.0/56

Out: 58.505+/-0.008 χ^2/NDF:21703110.3/63

All: 58.763+/-0.006 χ^2/NDF: 37378855.8/120

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

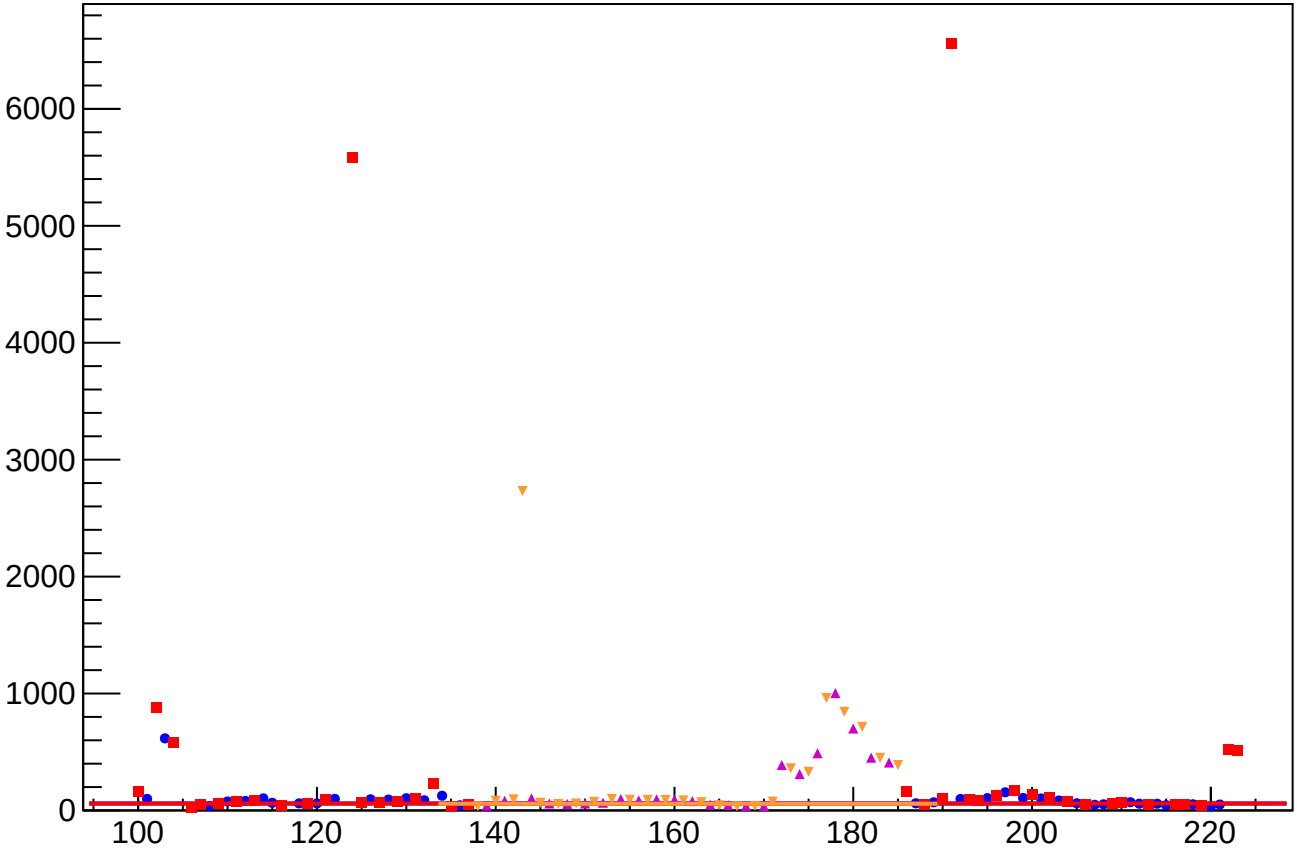
Right: 0.022+/-0.010 χ^2/NDF: 61.6/72

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:56.4/63

All: 0.019+/-0.008 χ^2/NDF: 109.8/120

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

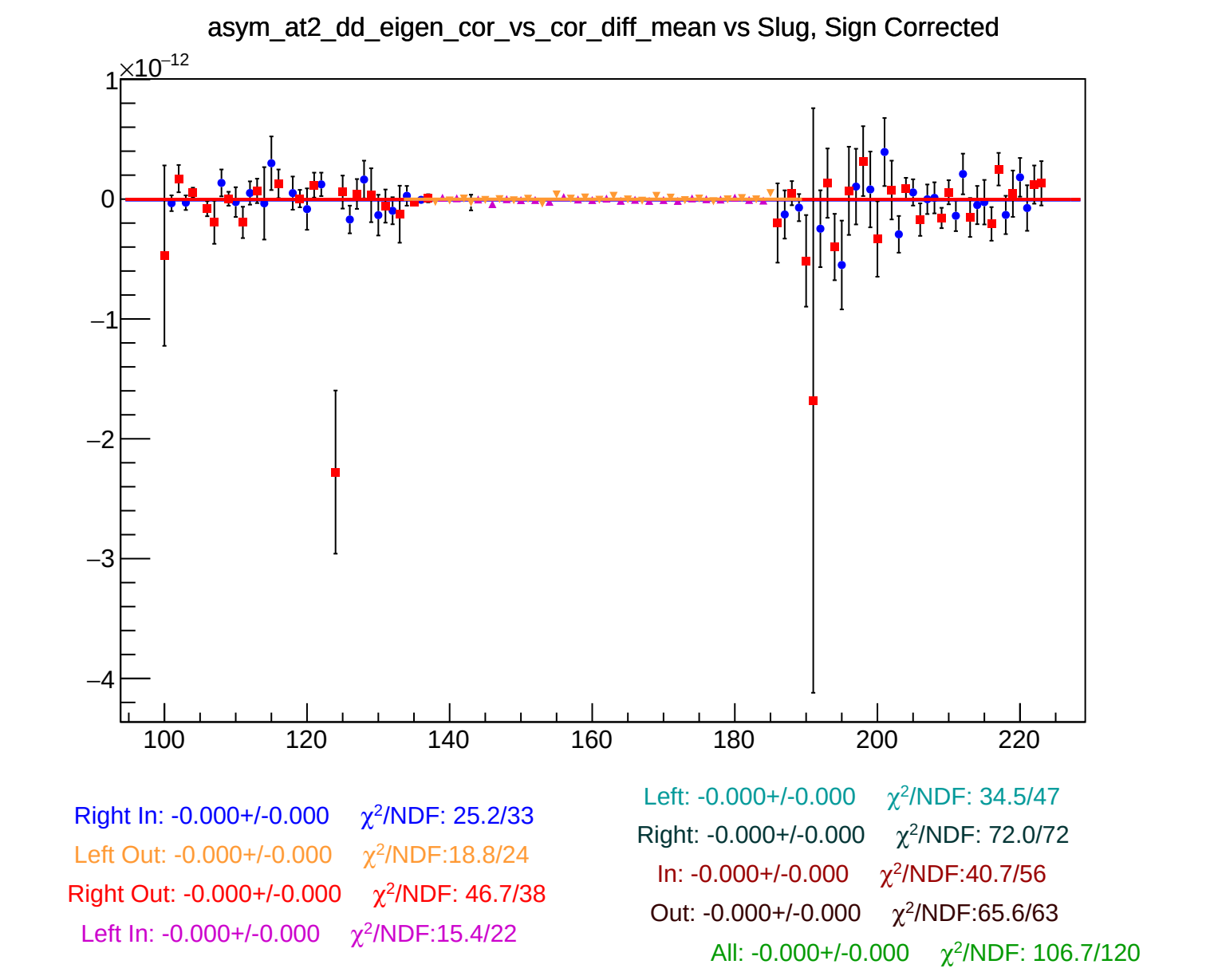
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

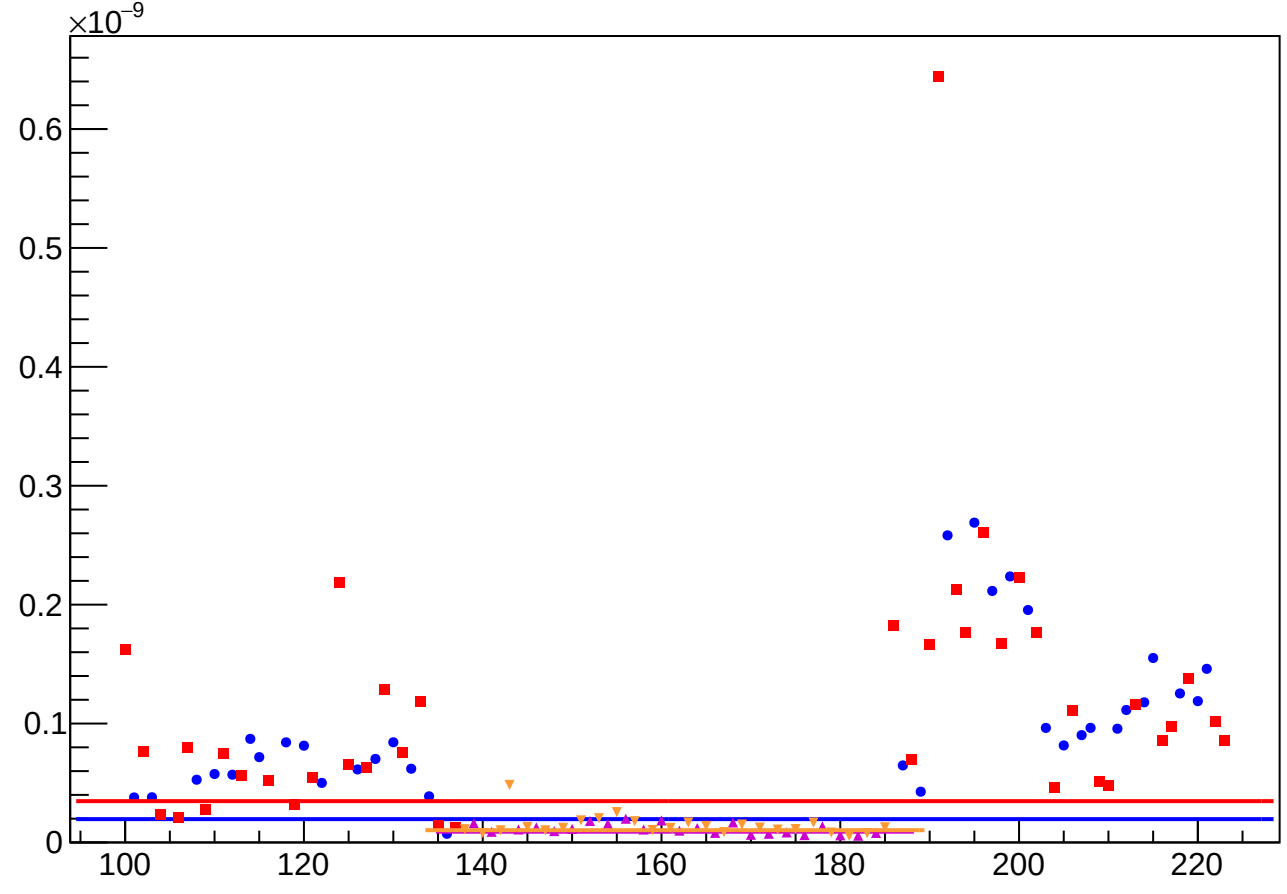
Right: 59.396+/-0.007 χ^2/NDF: 14786755.2/72

In: 59.012+/-0.008 χ^2/NDF:15673688.0/56

Out: 58.505+/-0.008 χ^2/NDF:21703110.3/63

All: 58.763+/-0.006 χ^2/NDF: 37378855.8/120


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 25.2/33
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.7/38
Left In: -0.000+/-0.000 χ²/NDF:15.4/22
Left: -0.000+/-0.000 χ²/NDF: 34.5/47
Right: -0.000+/-0.000 χ²/NDF: 72.0/72
In: -0.000+/-0.000 χ²/NDF:40.7/56
Out: -0.000+/-0.000 χ²/NDF:65.6/63
All: -0.000+/-0.000 χ²/NDF: 106.7/120



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

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

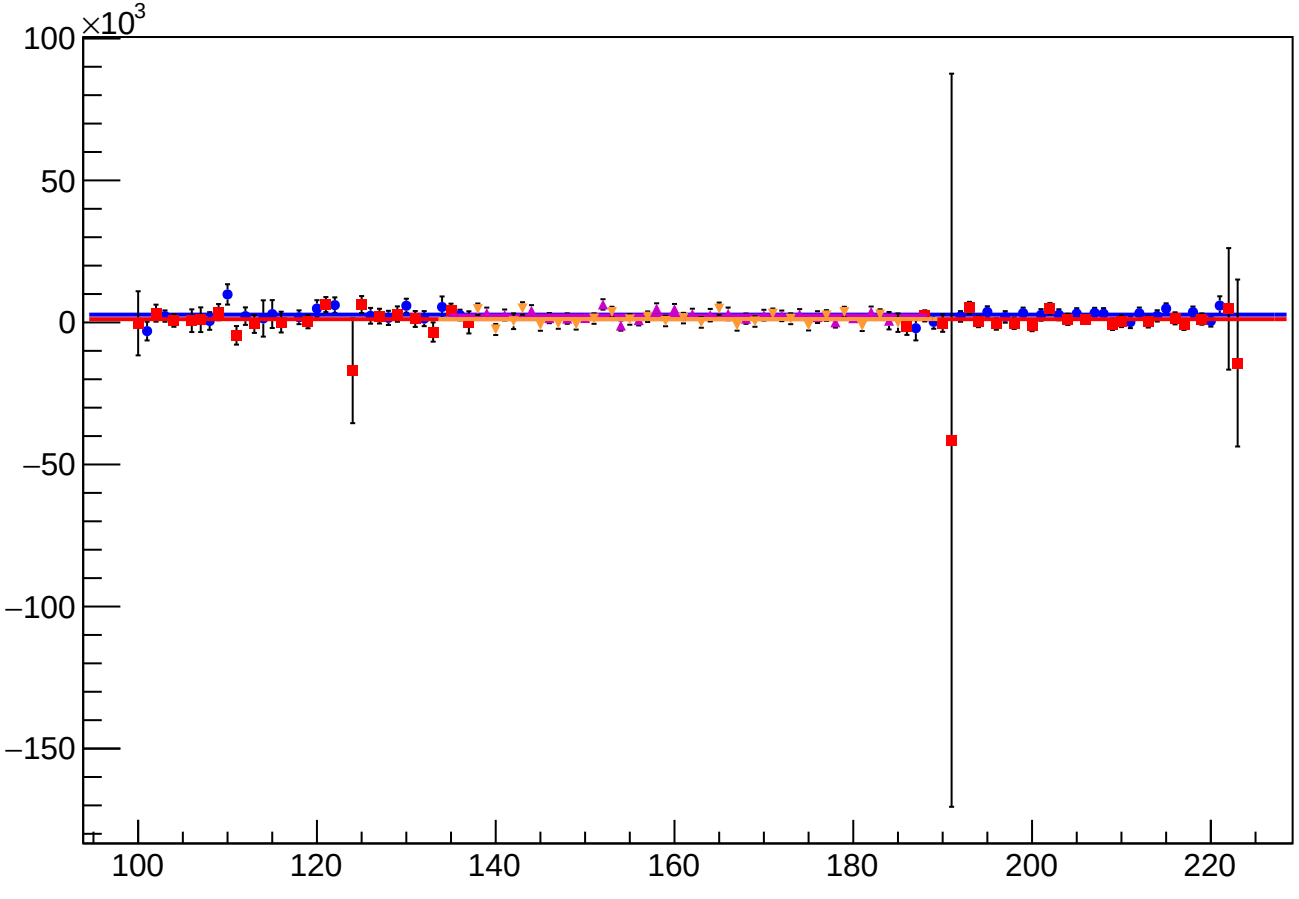
Right: 0.000+/-0.000 χ^2/NDF: 32231888.3/72

In: 0.000+/-0.000 χ^2/NDF:23506245.5/56

Out: 0.000+/-0.000 χ^2/NDF:21928268.2/63

All: 0.000+/-0.000 χ^2/NDF: 45753678.9/120

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

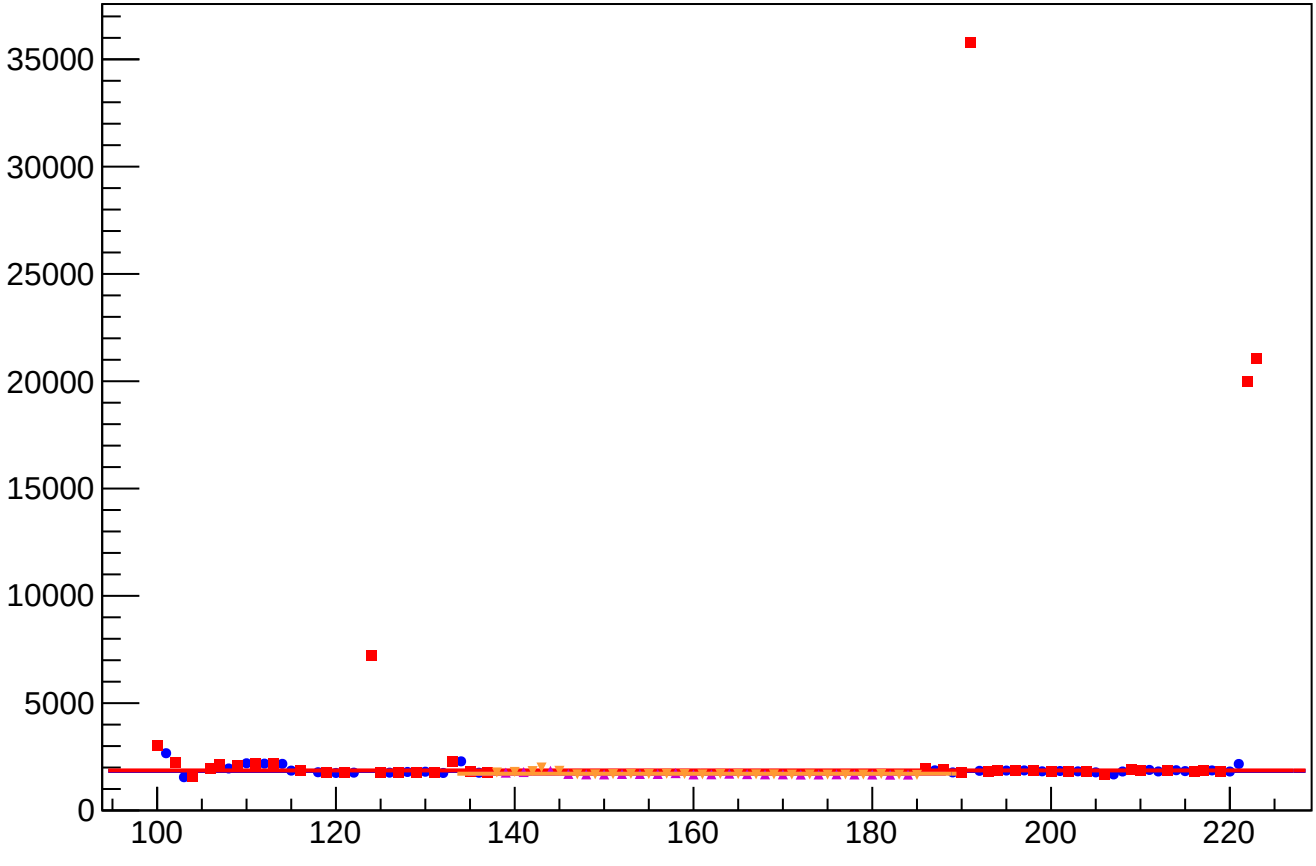
Right: 1960.609+/-283.858 χ^2/NDF: 59.3/72

In: 2591.235+/-281.363 χ^2/NDF:38.8/56

Out: 1176.755+/-280.642 χ^2/NDF:56.7/63

All: 1882.181+/-198.699 χ^2/NDF: 108.2/120

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

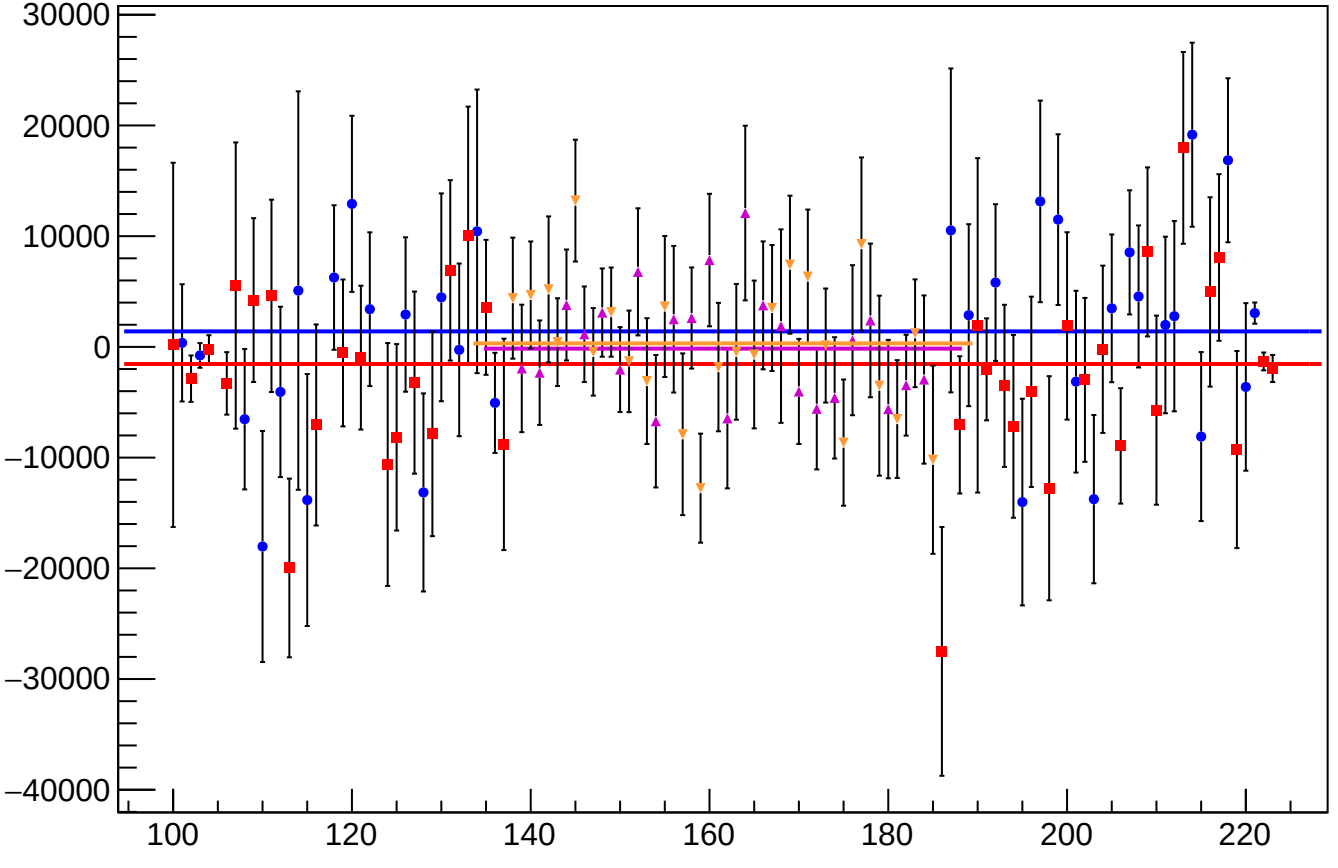
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1851.515+/-0.201 χ^2/NDF: 3148568.1/72

In: 1771.334+/-0.199 χ^2/NDF:444943.1/56

Out: 1785.281+/-0.198 χ^2/NDF:3045172.7/63

All: 1778.328+/-0.140 χ^2/NDF: 3492580.2/12



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

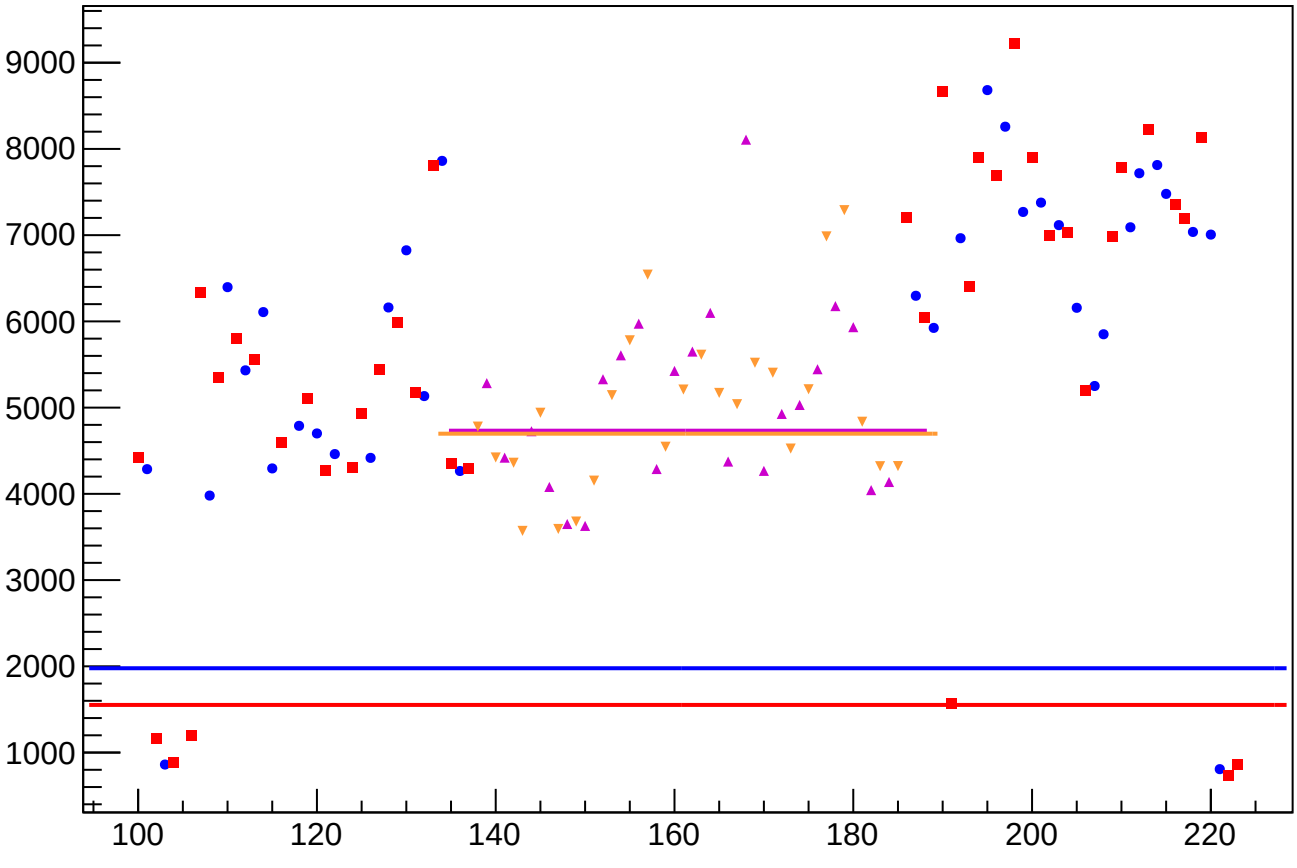
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -373.713+/-402.198 χ^2/NDF: 93.8/72

In: 1023.871+/-555.275 χ^2/NDF:62.5/56

Out: -1203.633+/-468.162 χ^2/NDF:64.0/63

All: -278.116+/-357.924 χ^2/NDF: 135.9/120



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

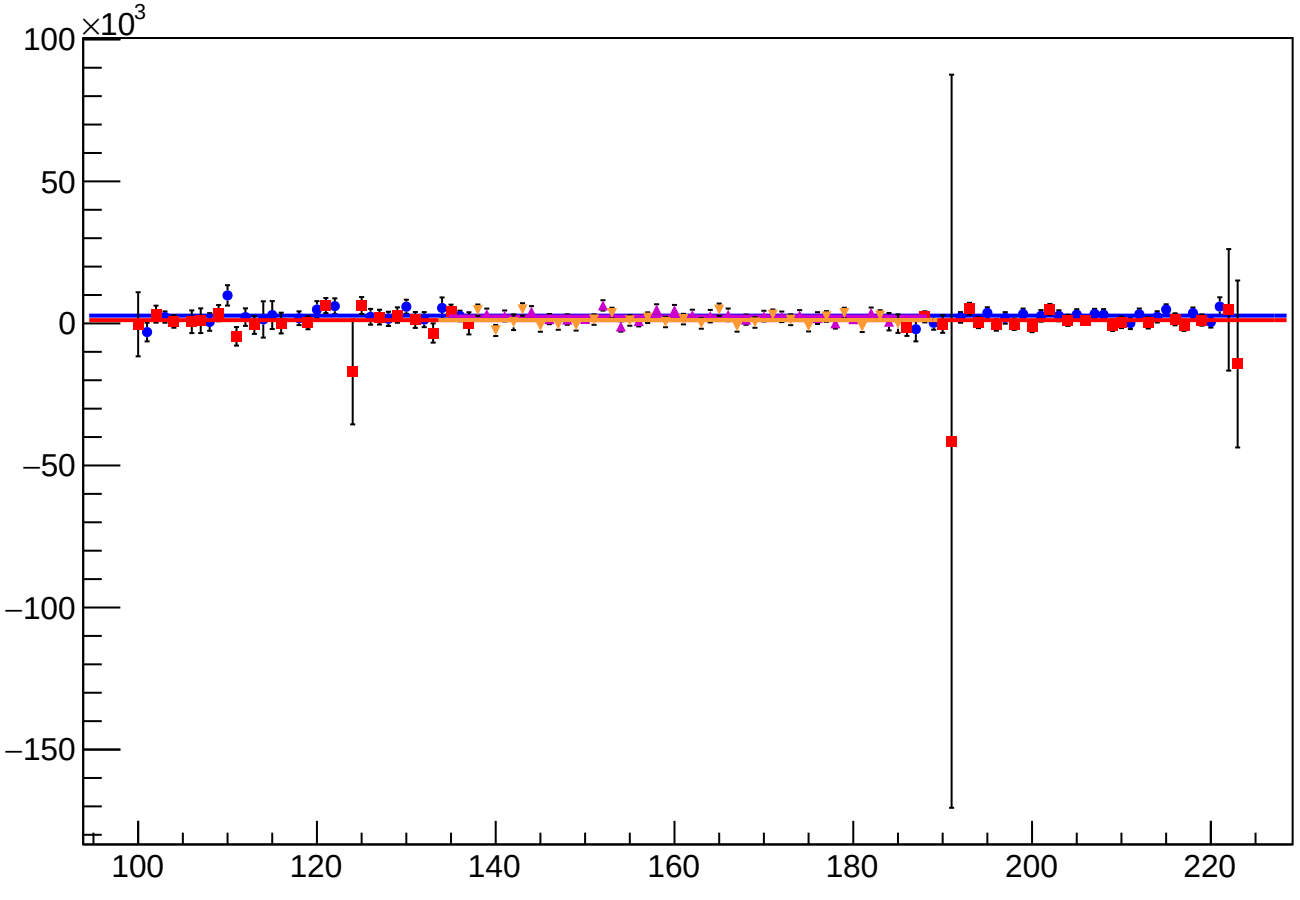
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 1721.405+/-0.284 χ^2/NDF: 50635114.7/72

In: 2644.724+/-0.393 χ^2/NDF:34229870.8/56

Out: 2130.379+/-0.331 χ^2/NDF:40927893.7/63

All: 2344.087+/-0.253 χ^2/NDF: 76160789.5/1



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

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

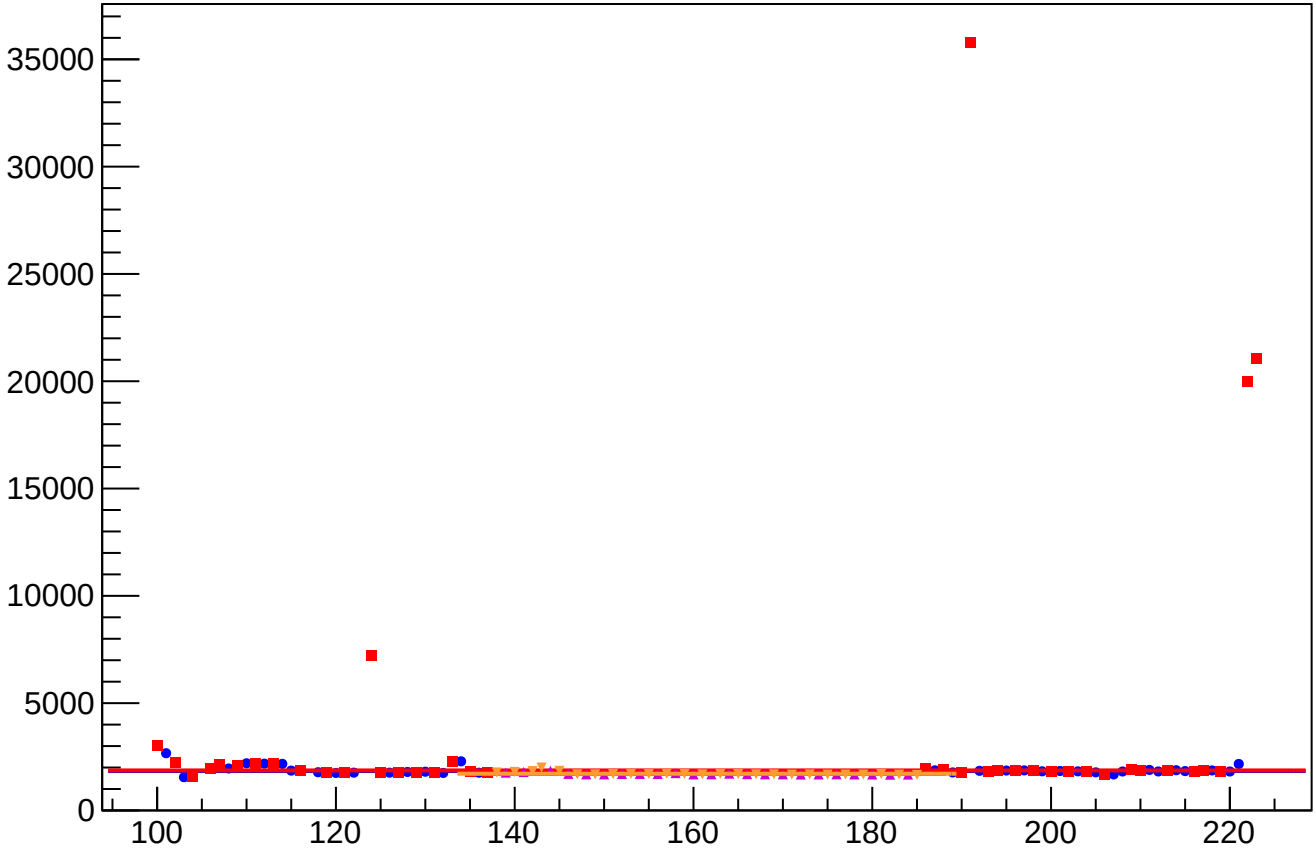
Right: 1960.456+/-283.858 χ^2/NDF: 59.3/72

In: 2591.243+/-281.363 χ^2/NDF:38.8/56

Out: 1176.513+/-280.642 χ^2/NDF:56.8/63

All: 1882.063+/-198.699 χ^2/NDF: 108.2/120

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

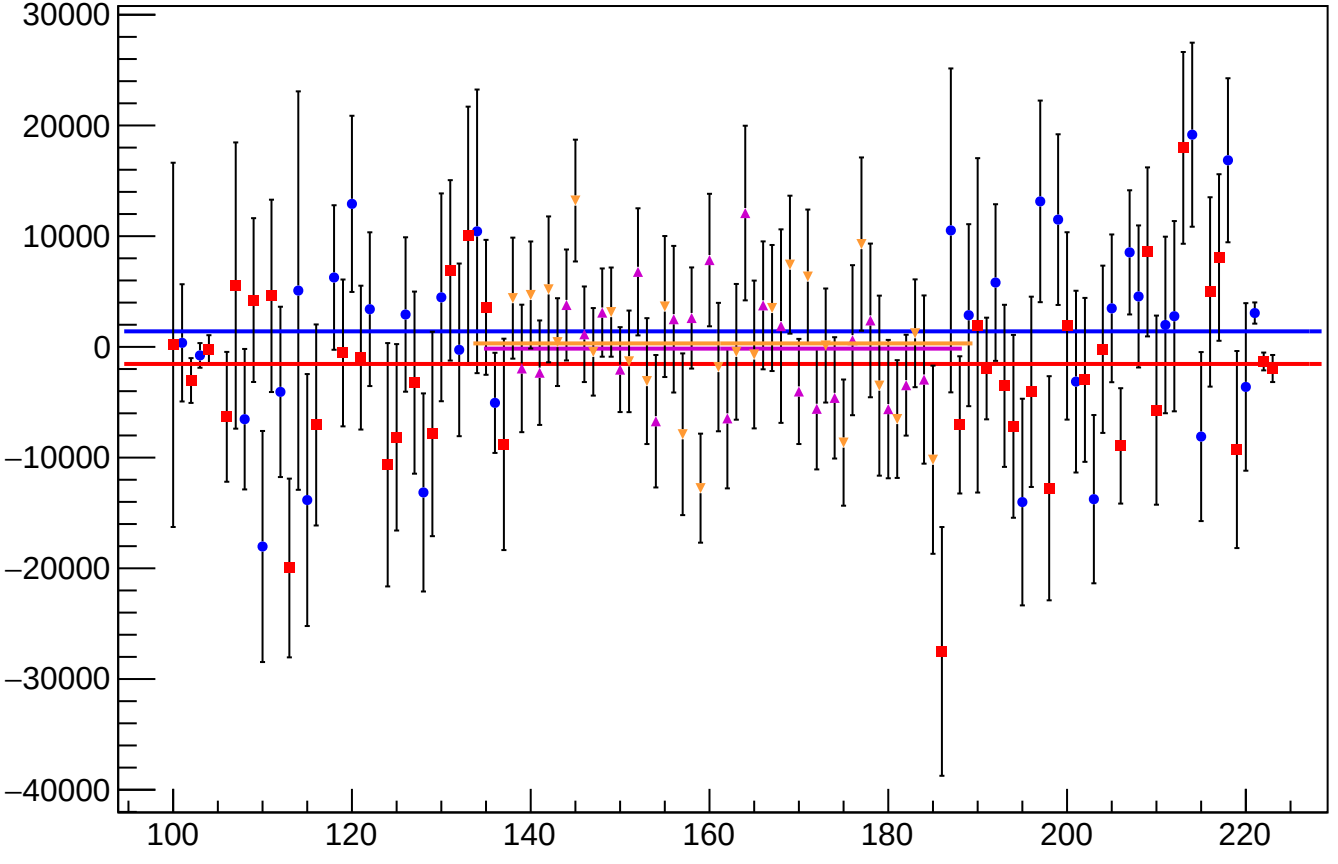
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1851.587+/-0.201 χ^2/NDF: 3148954.6/72

In: 1771.334+/-0.199 χ^2/NDF:444943.0/56

Out: 1785.346+/-0.198 χ^2/NDF:3045785.7/63

All: 1778.360+/-0.140 χ^2/NDF: 3493215.9/12



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

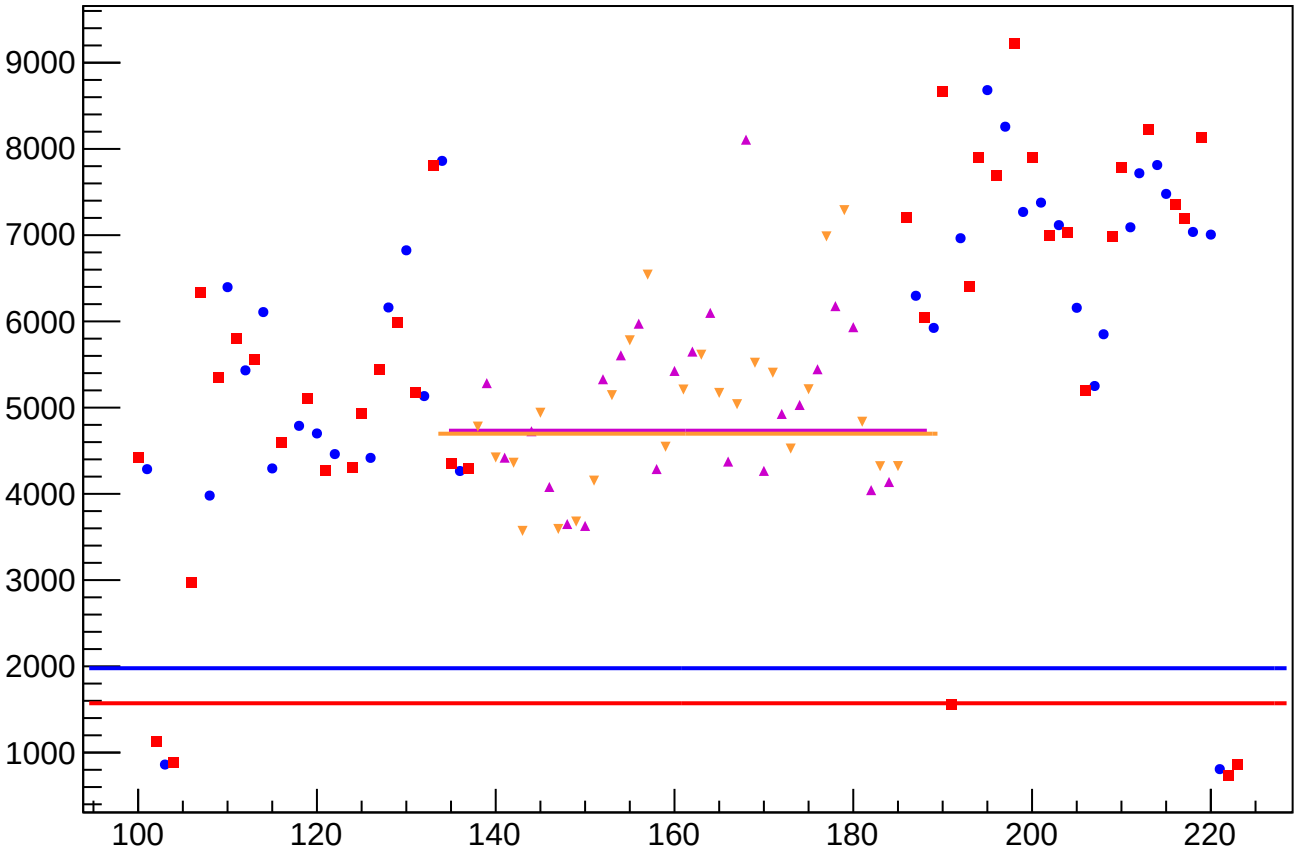
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -355.152+/-404.834 χ^2/NDF: 94.2/72

In: 1025.647+/-555.320 χ^2/NDF:62.6/56

Out: -1194.241+/-472.307 χ^2/NDF:64.4/63

All: -262.461+/-359.778 χ^2/NDF: 136.2/120



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

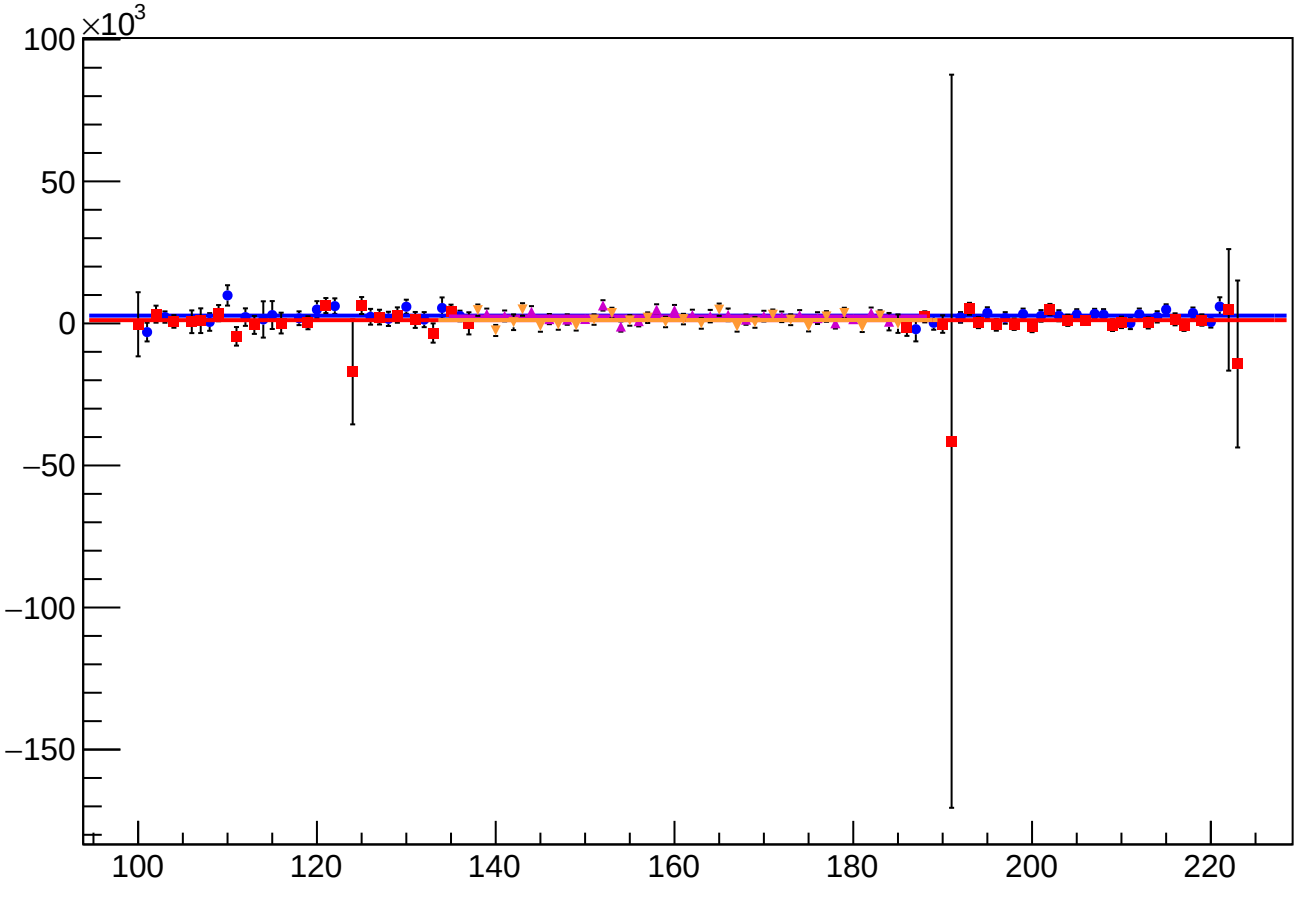
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1735.325+/-0.286 χ^2/NDF: 50681933.3/72

In: 2645.093+/-0.393 χ^2/NDF:34224696.0/56

Out: 2156.443+/-0.334 χ^2/NDF:40808190.0/63

All: 2361.550+/-0.254 χ^2/NDF: 75931471.2/



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

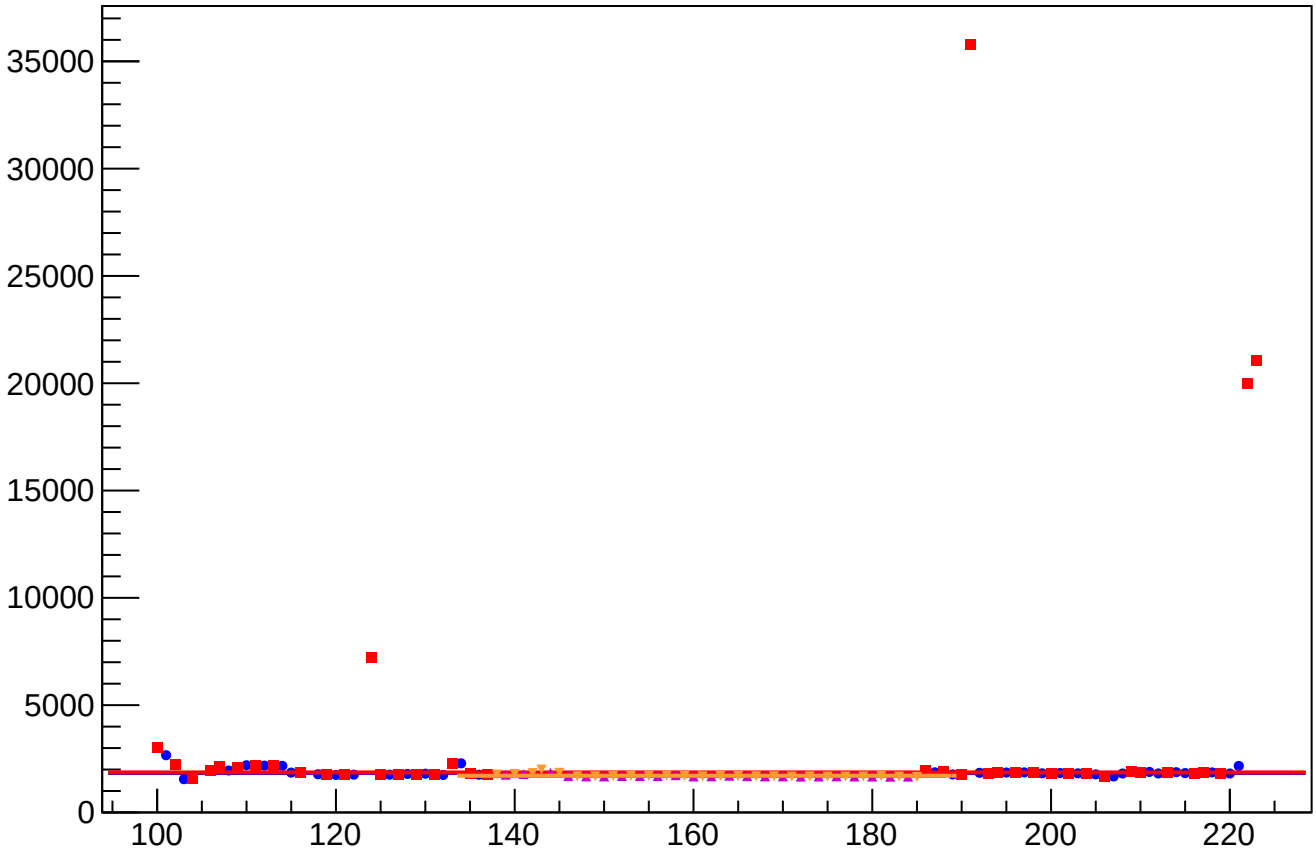
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1960.456+/-283.858 χ^2/NDF: 59.3/72

In: 2591.243+/-281.363 χ^2/NDF:38.8/56

Out: 1176.513+/-280.642 χ^2/NDF:56.8/63

All: 1882.063+/-198.699 χ^2/NDF: 108.2/120



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

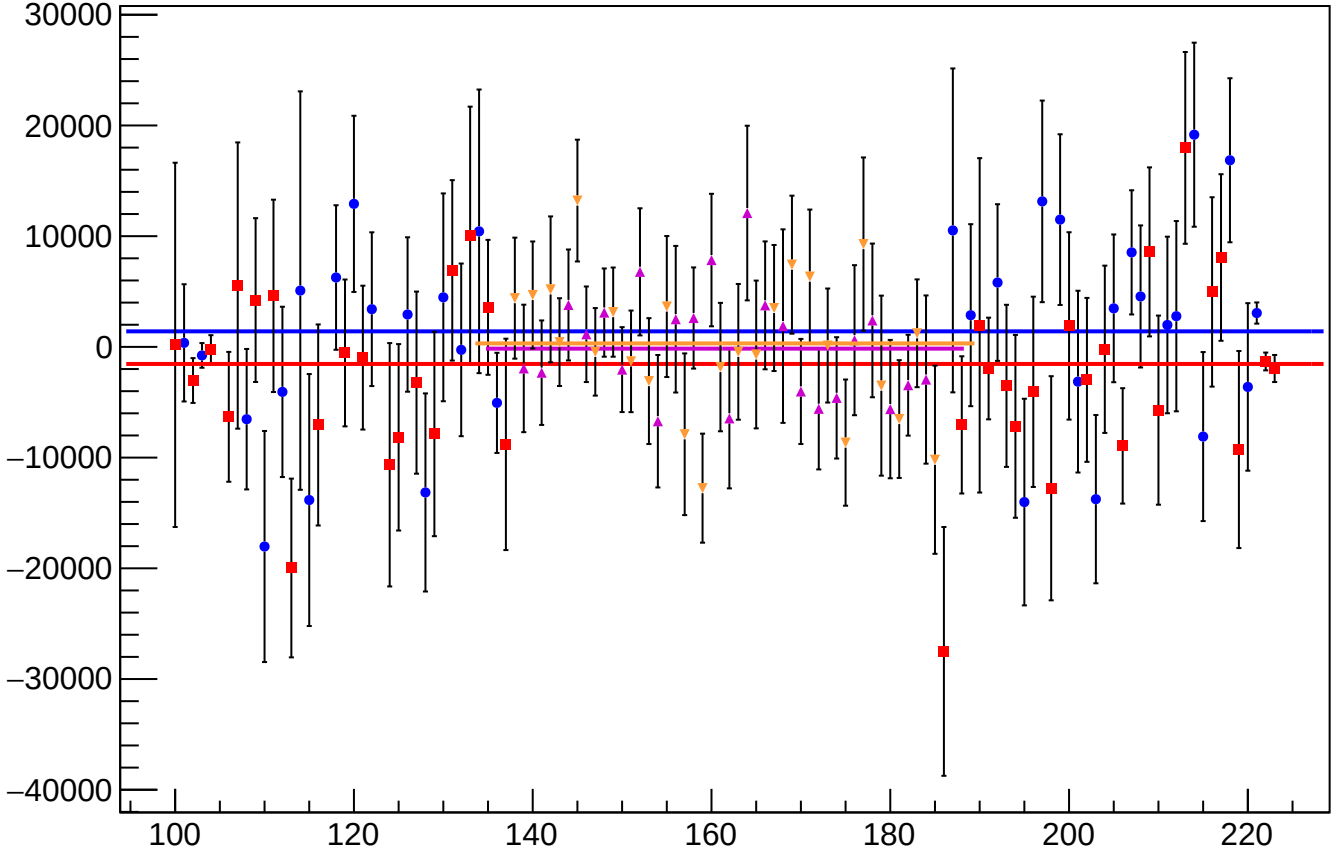
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1851.587+/-0.201 χ^2/NDF: 3148954.6/72

In: 1771.334+/-0.199 χ^2/NDF:444943.0/56

Out: 1785.346+/-0.198 χ^2/NDF:3045785.7/63

All: 1778.360+/-0.140 χ^2/NDF: 3493215.9/12



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

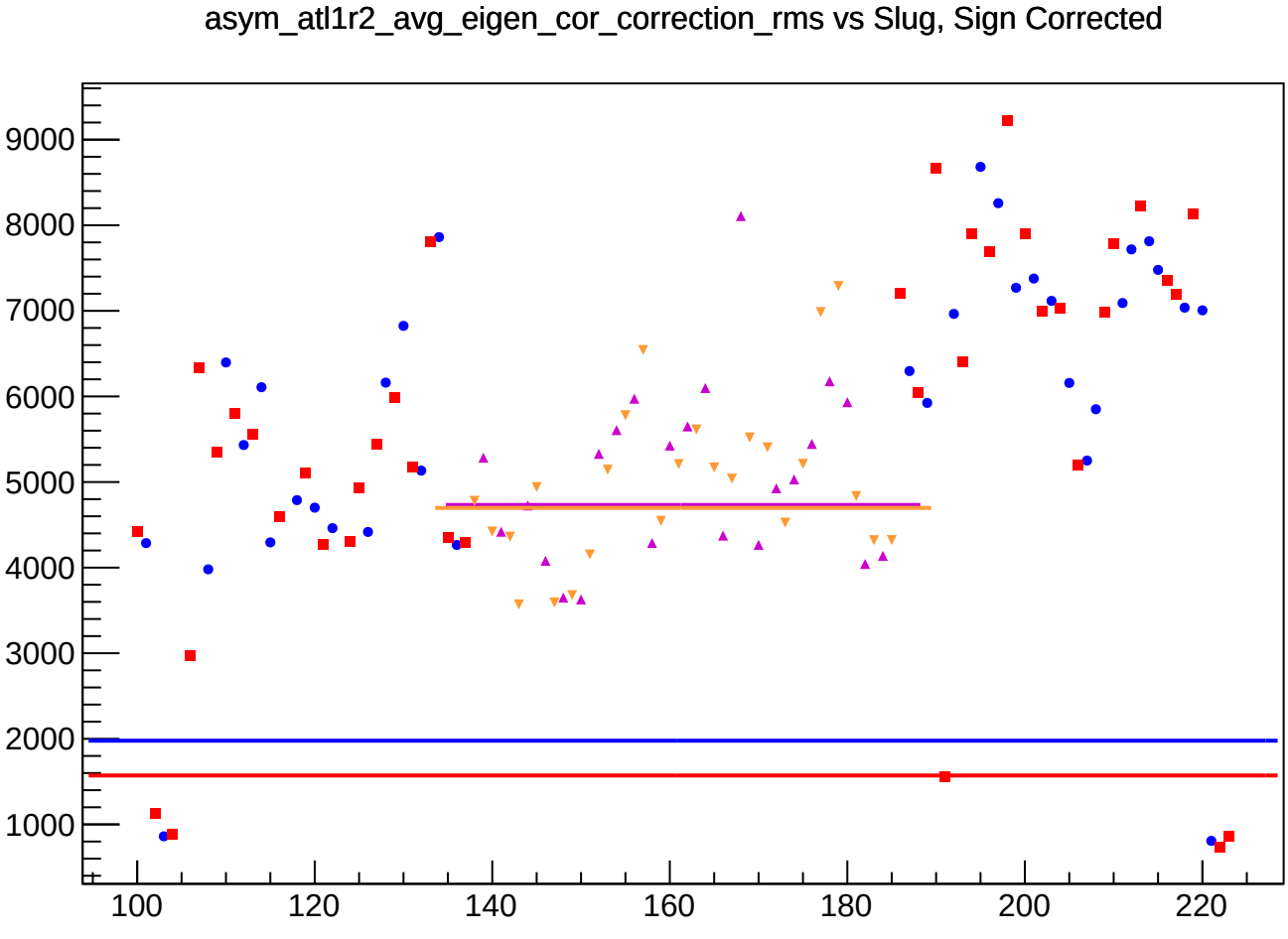
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -355.152+/-404.834 χ^2/NDF: 94.2/72

In: 1025.647+/-555.320 χ^2/NDF:62.6/56

Out: -1194.241+/-472.307 χ^2/NDF:64.4/63

All: -262.461+/-359.778 χ^2/NDF: 136.2/120



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

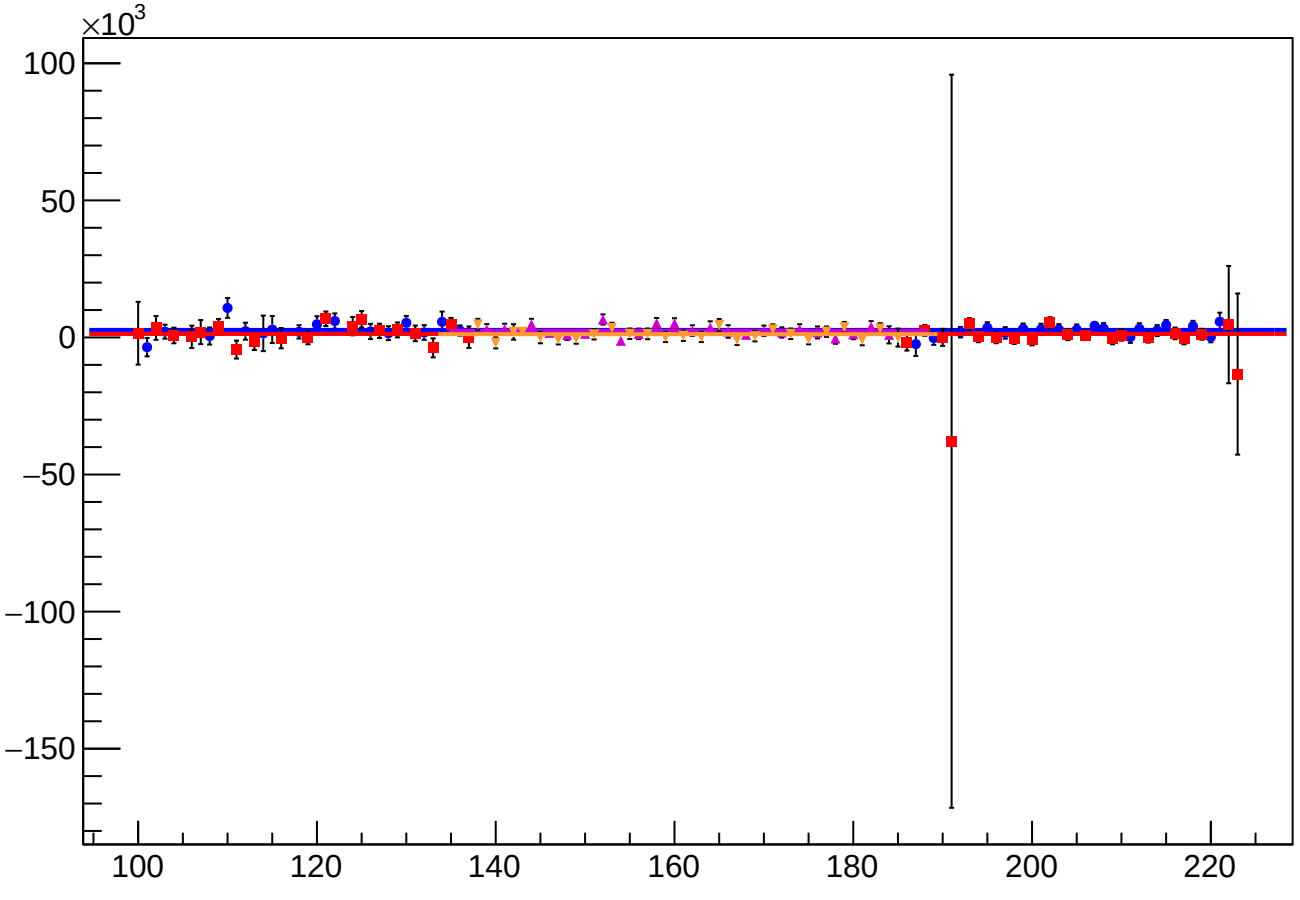
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1735.325+/-0.286 χ^2/NDF: 50681933.3/72

In: 2645.093+/-0.393 χ^2/NDF:34224696.0/56

Out: 2156.443+/-0.334 χ^2/NDF:40808190.0/63

All: 2361.550+/-0.254 χ^2/NDF: 75931471.2/1



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

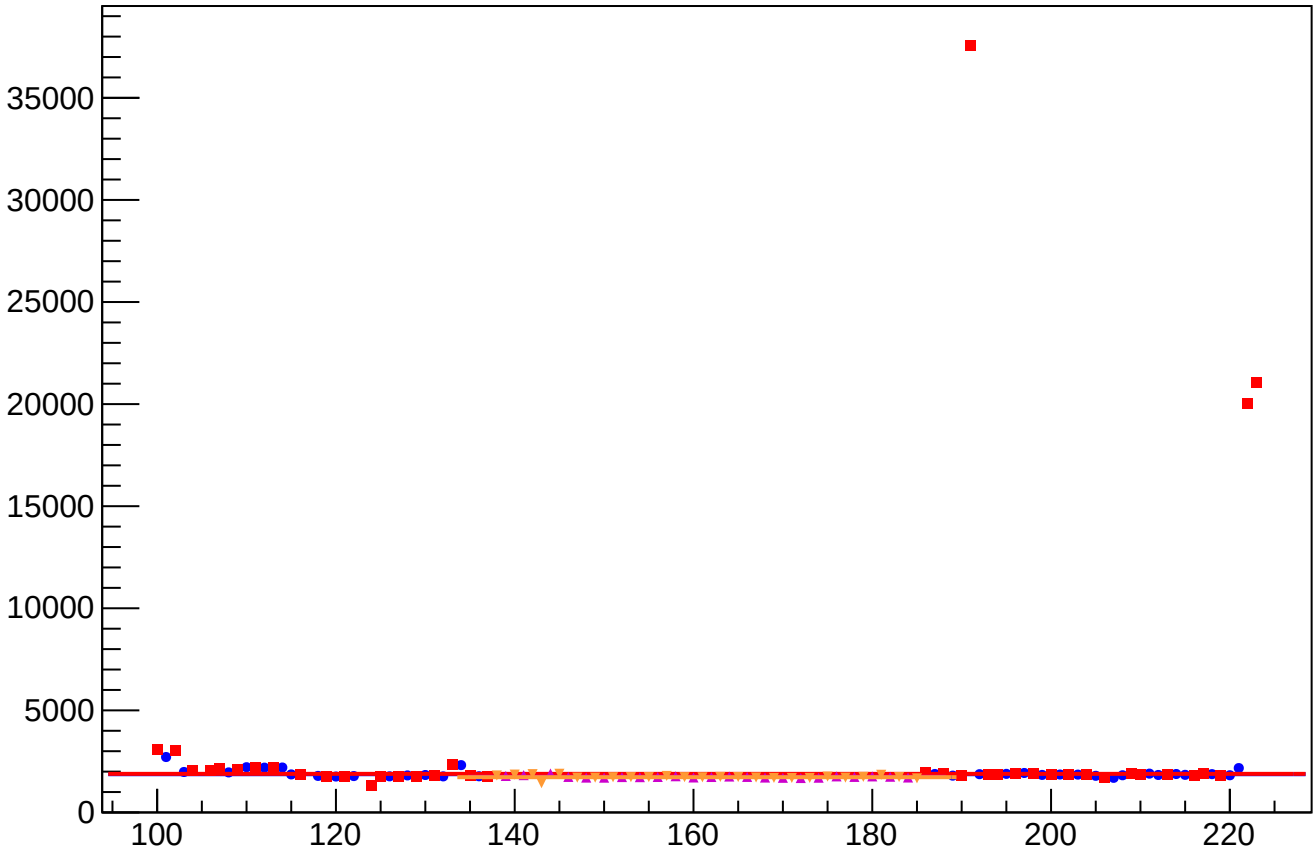
Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

Right: 2024.538+/-288.561 χ^2/NDF: 61.2/72

In: 2597.621+/-287.292 χ^2/NDF:43.6/56

Out: 1232.745+/-284.102 χ^2/NDF:51.4/63

All: 1907.562+/-202.009 χ^2/NDF: 106.4/120



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

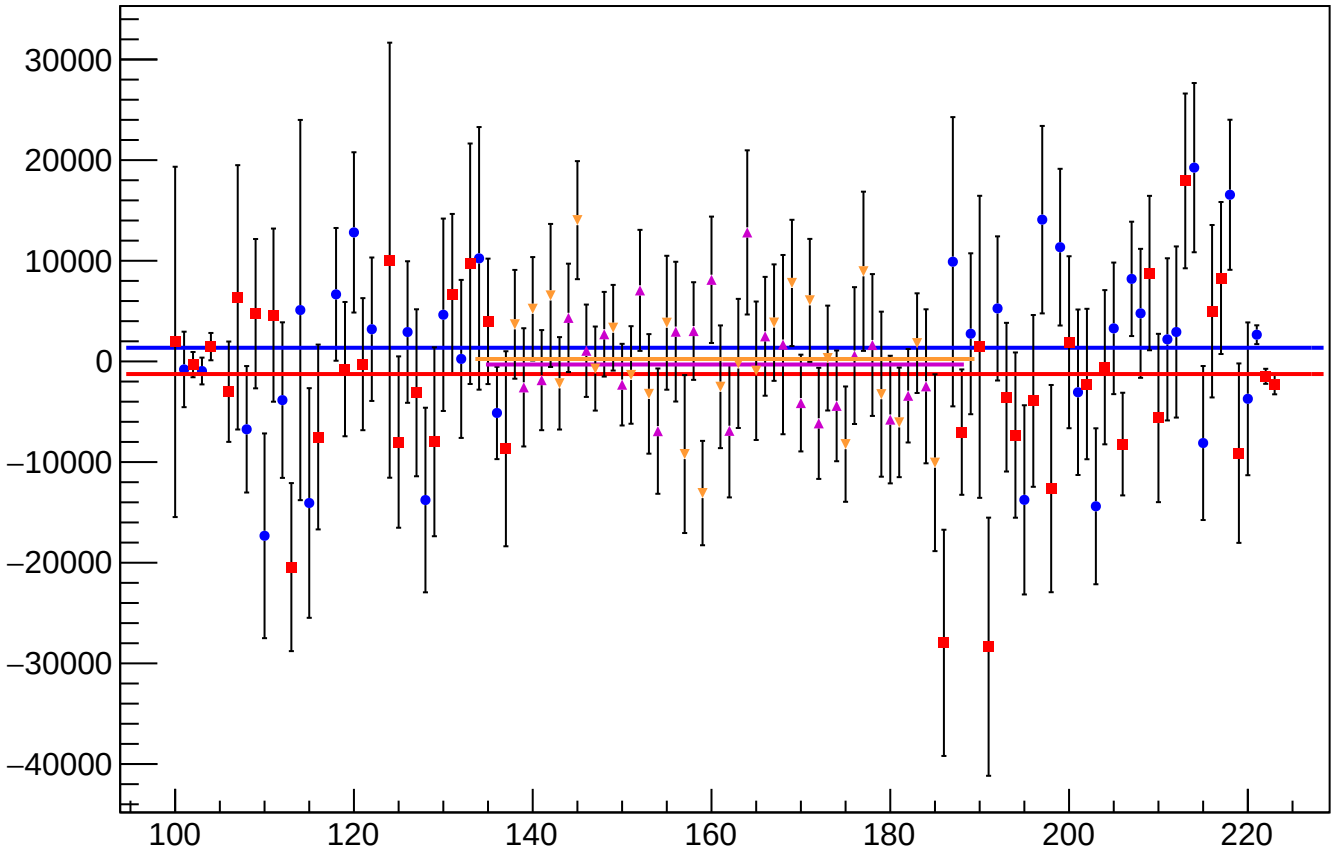
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1881.169+/-0.204 χ^2/NDF: 3082759.1/72

In: 1808.842+/-0.203 χ^2/NDF:396762.7/56

Out: 1805.117+/-0.201 χ^2/NDF:3084291.5/63

All: 1806.958+/-0.143 χ^2/NDF: 3481224.2/12



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

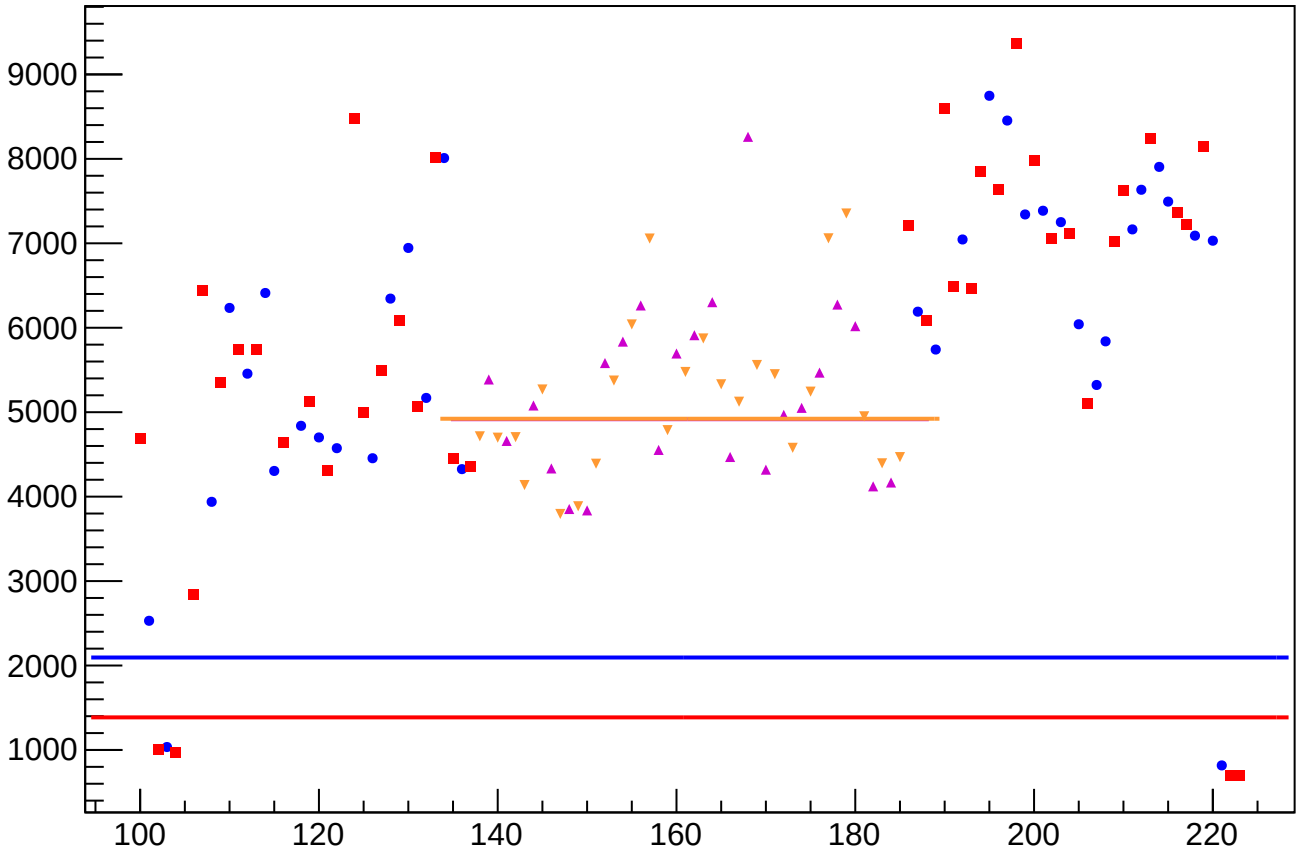
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -379.603+/-381.754 χ^2/NDF: 97.5/72

In: 956.454+/-574.786 χ^2/NDF:60.5/56

Out: -1038.528+/-433.055 χ^2/NDF:70.7/63

All: -316.148+/-345.875 χ^2/NDF: 139.0/120



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

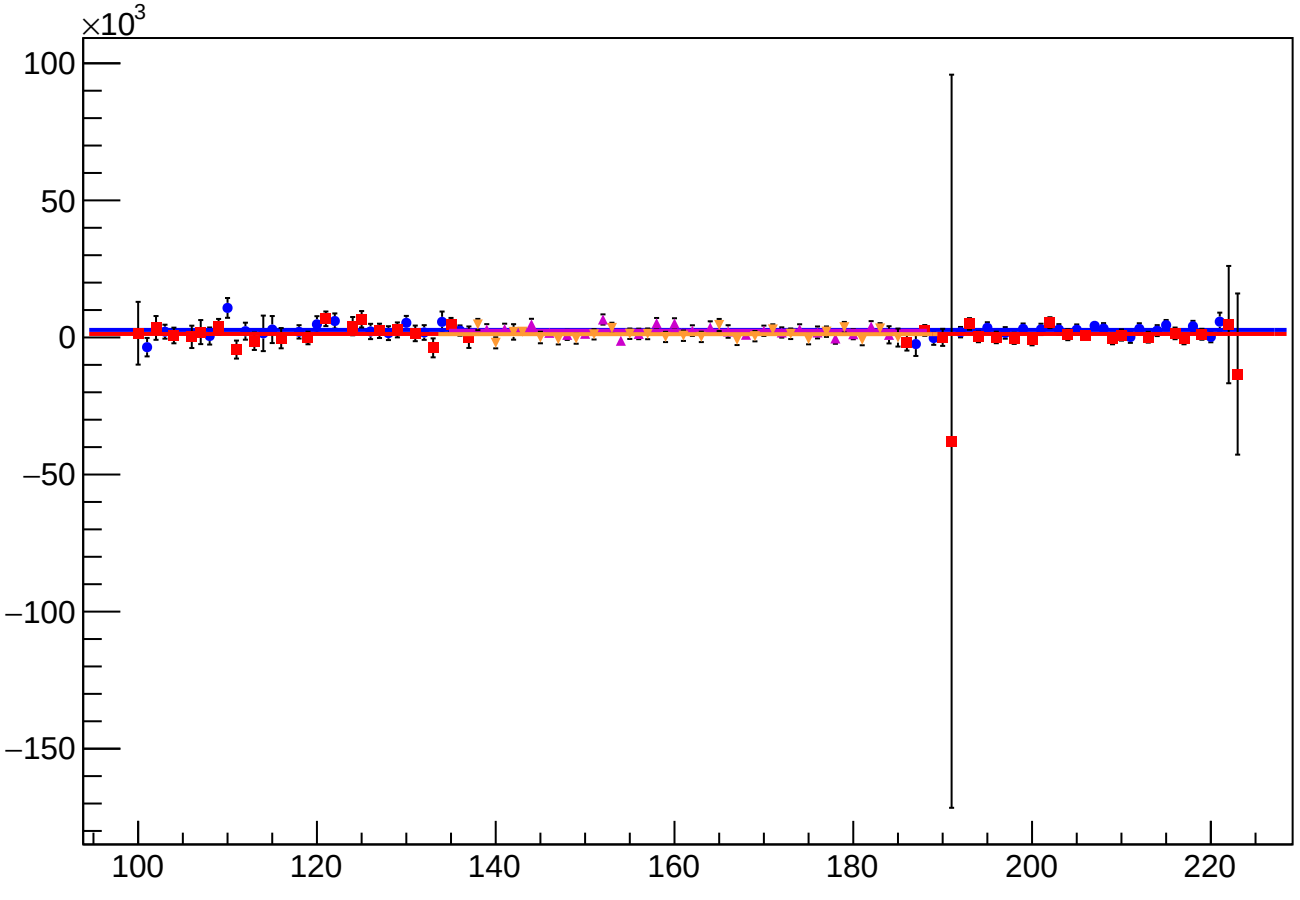
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 1623.317+/-0.270 χ^2/NDF: 52288649.0/72

In: 2774.840+/-0.406 χ^2/NDF:32717190.6/56

Out: 1895.368+/-0.306 χ^2/NDF:45510143.3/63

All: 2213.823+/-0.245 χ^2/NDF: 81214199.1/



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

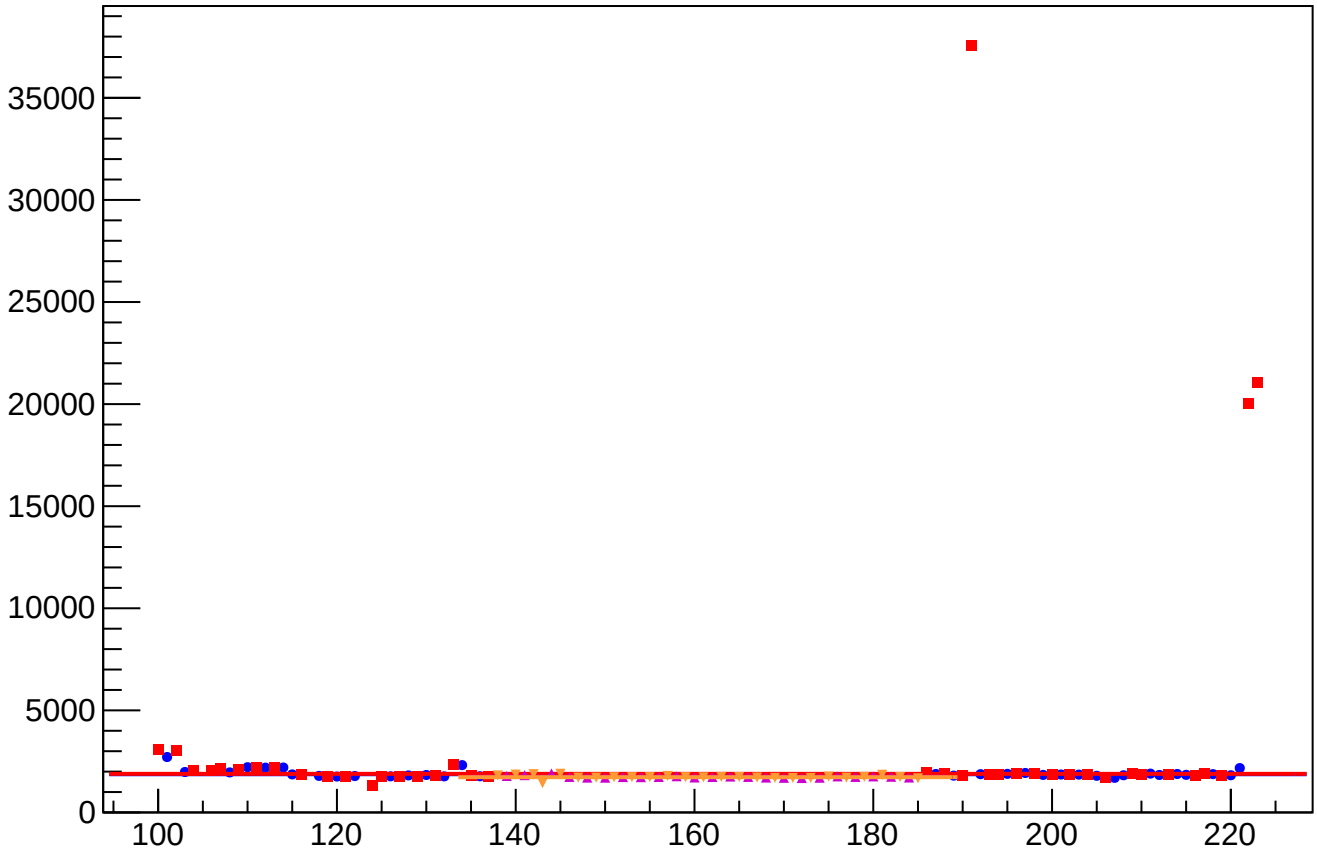
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2024.535+/-288.561 χ^2/NDF: 61.2/72

In: 2597.617+/-287.292 χ^2/NDF:43.6/56

Out: 1232.743+/-284.102 χ^2/NDF:51.4/63

All: 1907.559+/-202.009 χ^2/NDF: 106.4/120



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

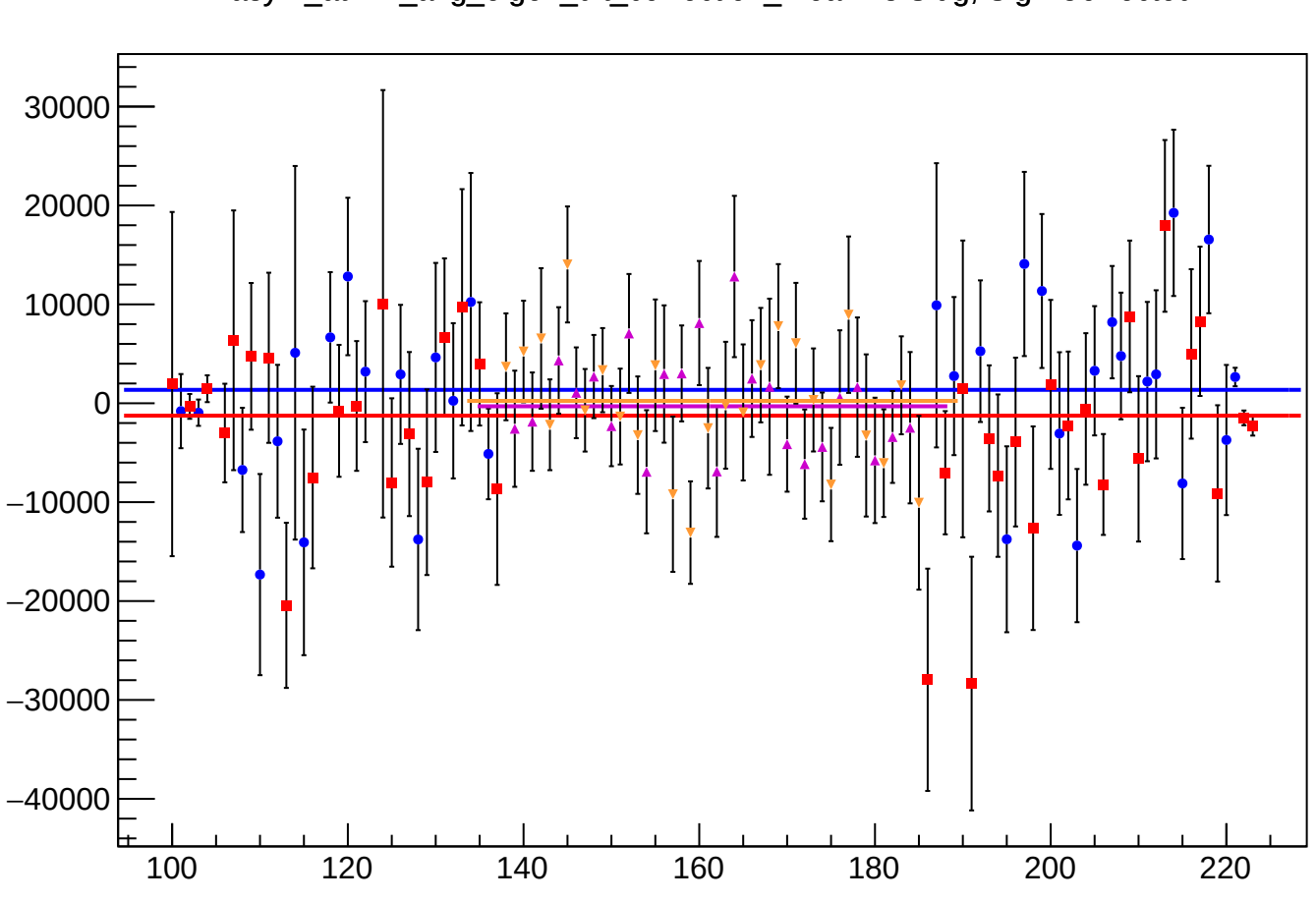
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

Right: 1881.169+/-0.204 χ^2/NDF: 3082758.0/72

In: 1808.842+/-0.203 χ^2/NDF:396761.2/56

Out: 1805.118+/-0.201 χ^2/NDF:3084287.3/63

All: 1806.959+/-0.143 χ^2/NDF: 3481218.5/12



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

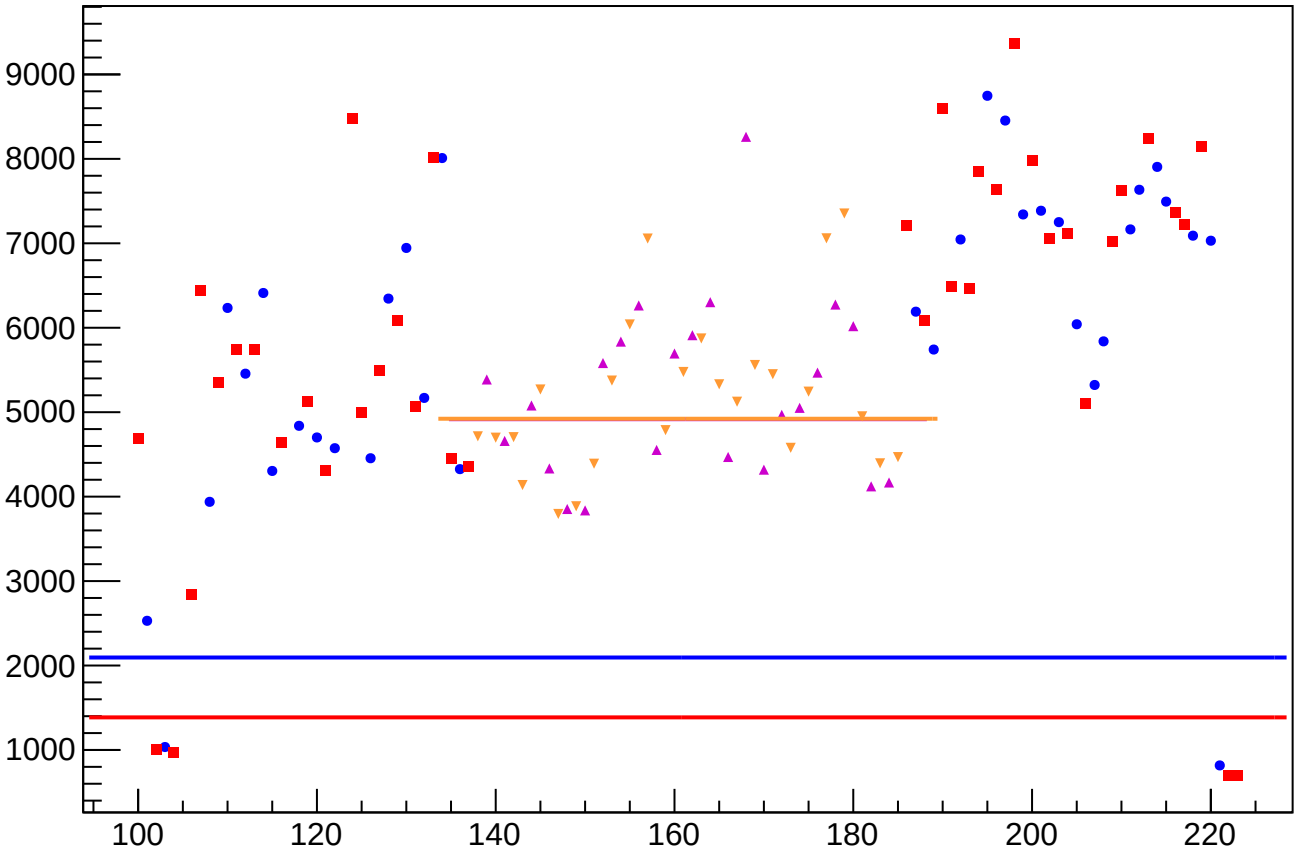
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -379.604+/-381.754 χ^2/NDF: 97.5/72

In: 956.453+/-574.786 χ^2/NDF:60.5/56

Out: -1038.528+/-433.054 χ^2/NDF:70.7/63

All: -316.149+/-345.875 χ^2/NDF: 139.0/120



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

Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

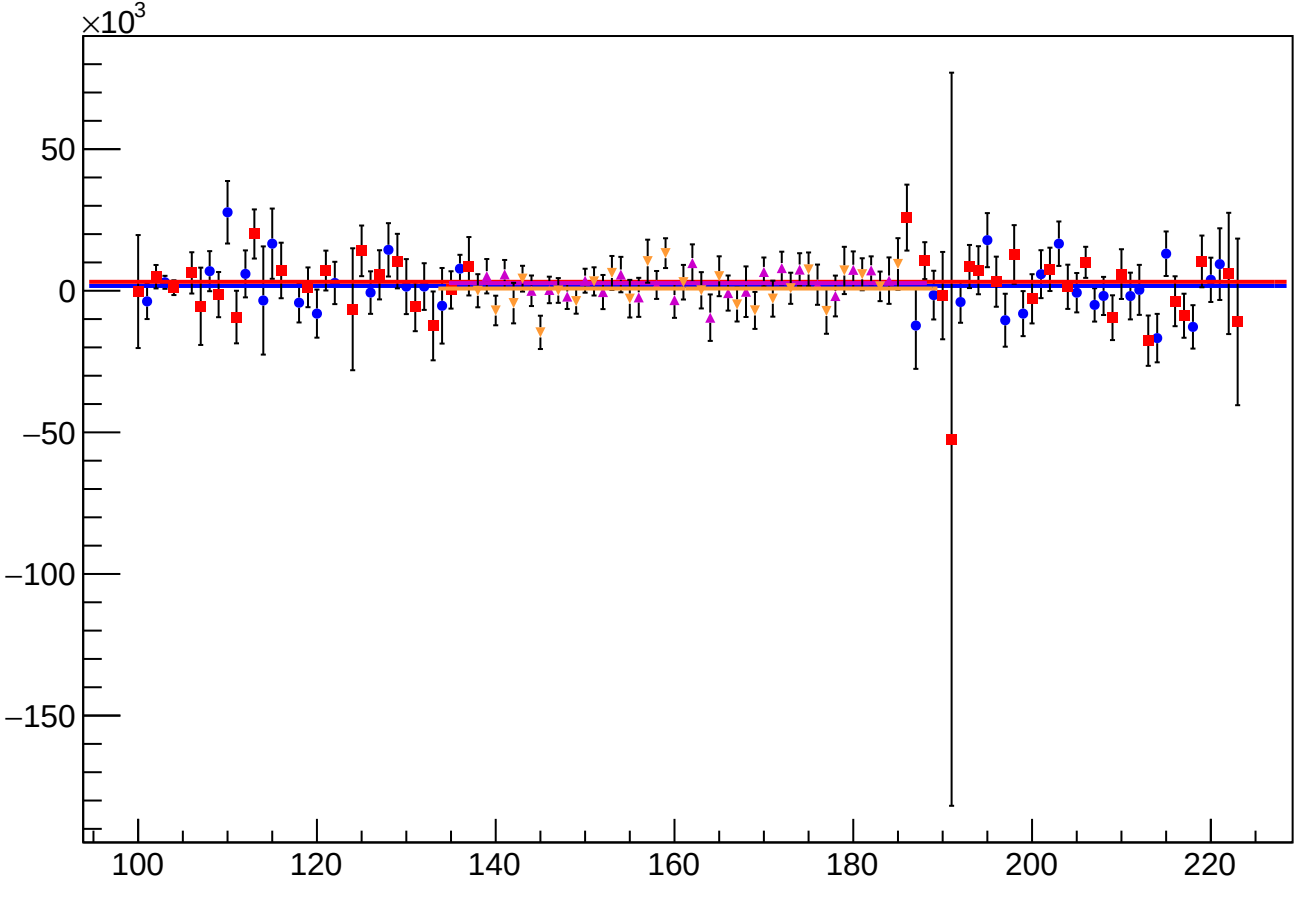
Right: 1623.315+/-0.270 χ^2/NDF: 52288670.2/72

In: 2774.838+/-0.406 χ^2/NDF:32717248.8/56

Out: 1895.366+/-0.306 χ^2/NDF:45510197.5/63

All: 2213.821+/-0.245 χ^2/NDF: 81214312.5/

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

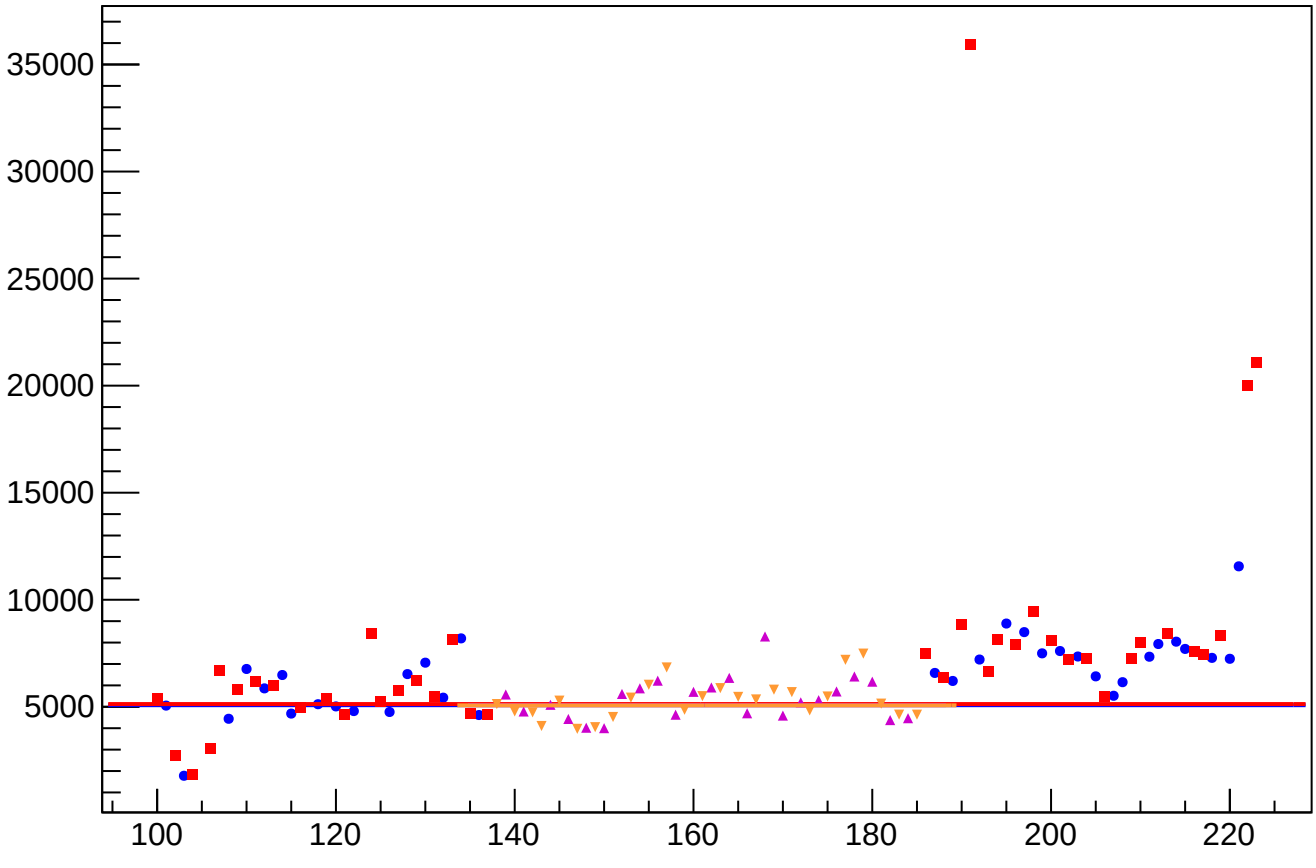
Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

Right: 2411.378+/-855.781 χ^2/NDF: 74.5/72

In: 2195.095+/-850.395 χ^2/NDF:51.2/56

Out: 1924.431+/-845.774 χ^2/NDF:64.4/63

All: 2059.026+/-599.680 χ^2/NDF: 115.6/120



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

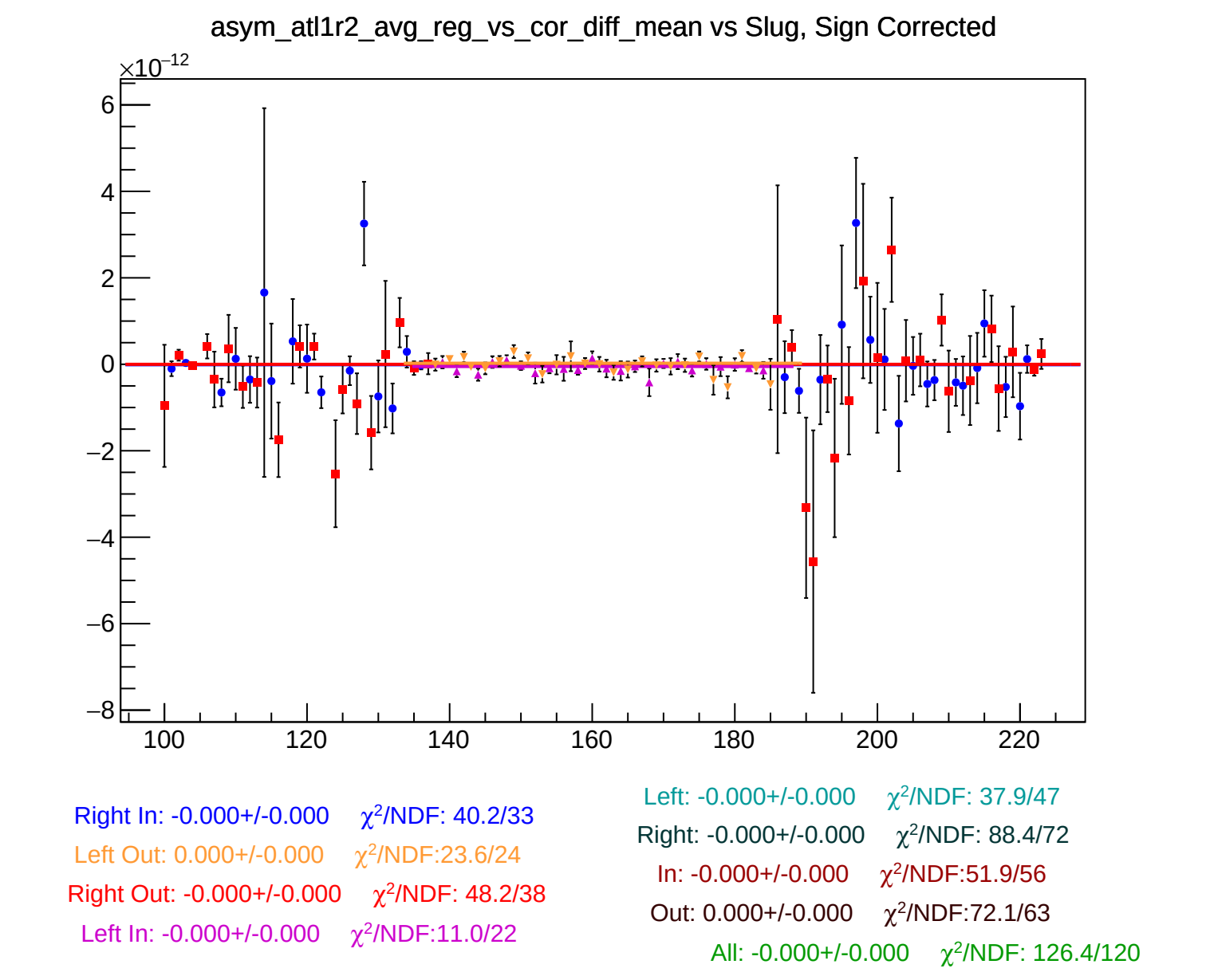
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

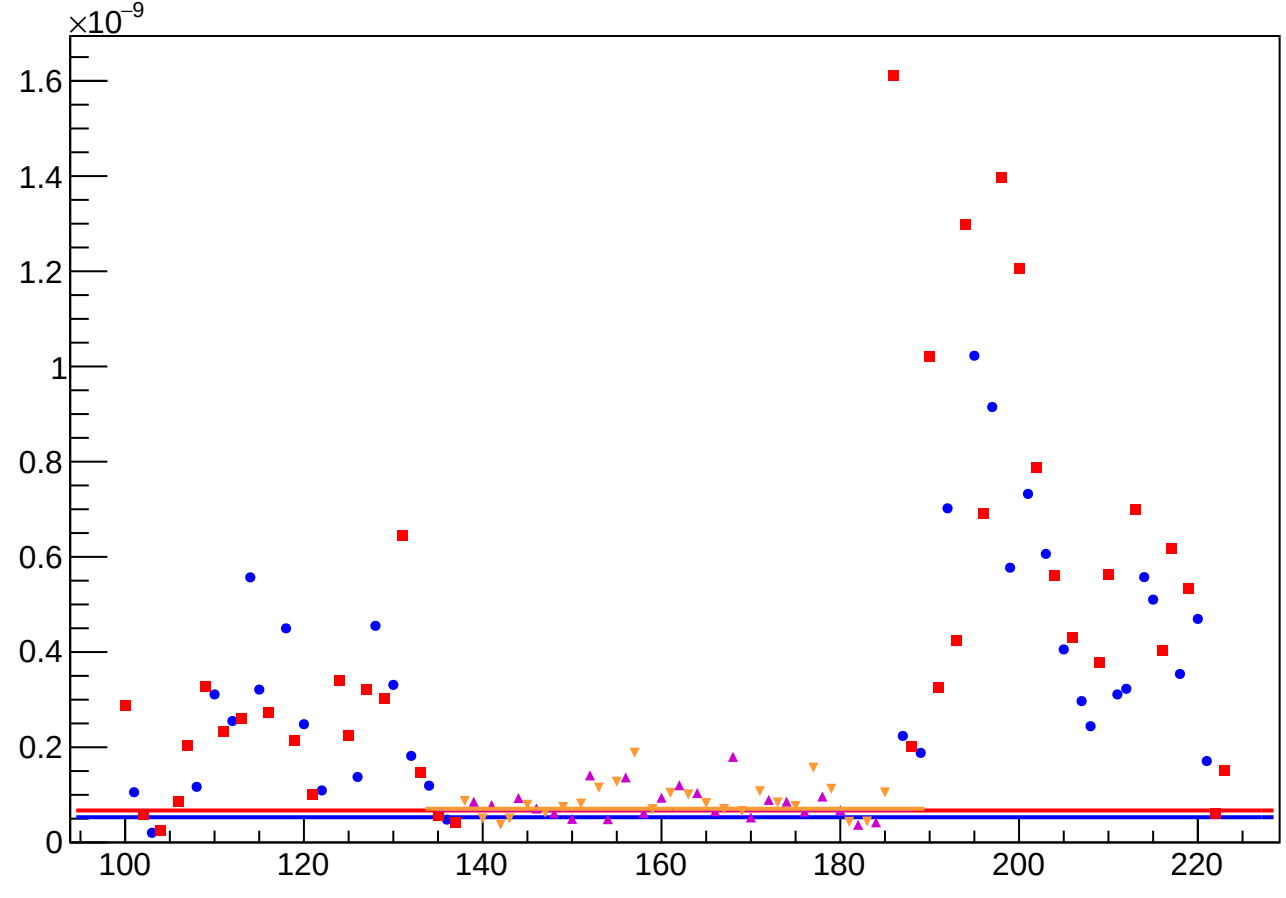
Right: 5101.651+/-0.603 χ^2/NDF: 16627858.5/72

In: 5077.773+/-0.601 χ^2/NDF:8648773.6/56

Out: 5096.936+/-0.596 χ^2/NDF:9935261.2/63

All: 5087.435+/-0.423 χ^2/NDF: 18584546.9/1


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 40.2/33
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 48.2/38
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 88.4/72
In: -0.000+/-0.000 χ²/NDF:51.9/56
Out: 0.000+/-0.000 χ²/NDF:72.1/63
All: -0.000+/-0.000 χ²/NDF: 126.4/120



Right In: 0.000+/-0.000 χ^2/NDF: 12260461.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13160597.9/38

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

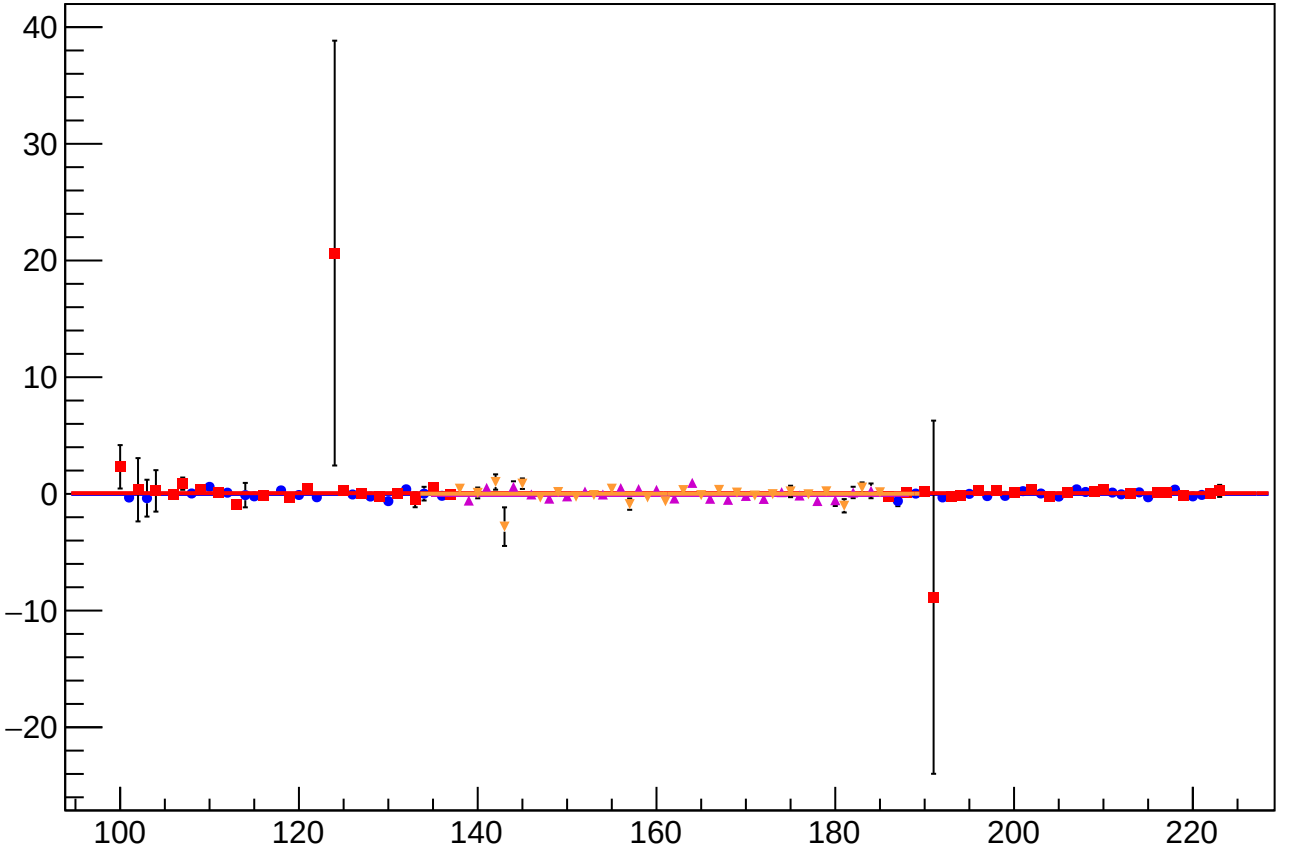
Right: 0.000+/-0.000 χ^2/NDF: 25556817.6/72

In: 0.000+/-0.000 χ^2/NDF:13931717.3/56

Out: 0.000+/-0.000 χ^2/NDF:14660344.6/63

All: 0.000+/-0.000 χ^2/NDF: 28690581.2/120

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

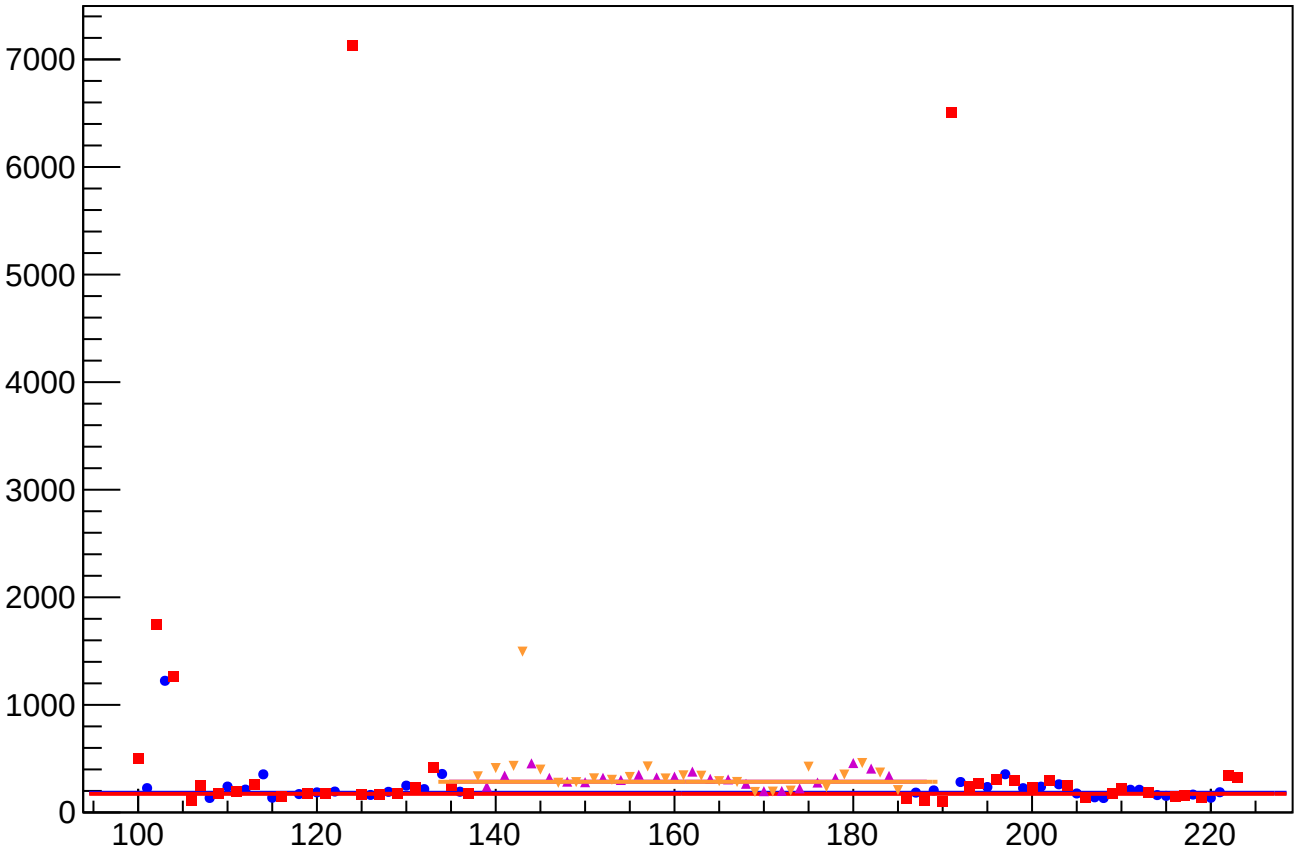
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.031+/-0.029 χ^2/NDF: 70.4/72

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.051+/-0.035 χ^2/NDF:62.7/63

All: 0.013+/-0.025 χ^2/NDF: 132.1/120



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

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

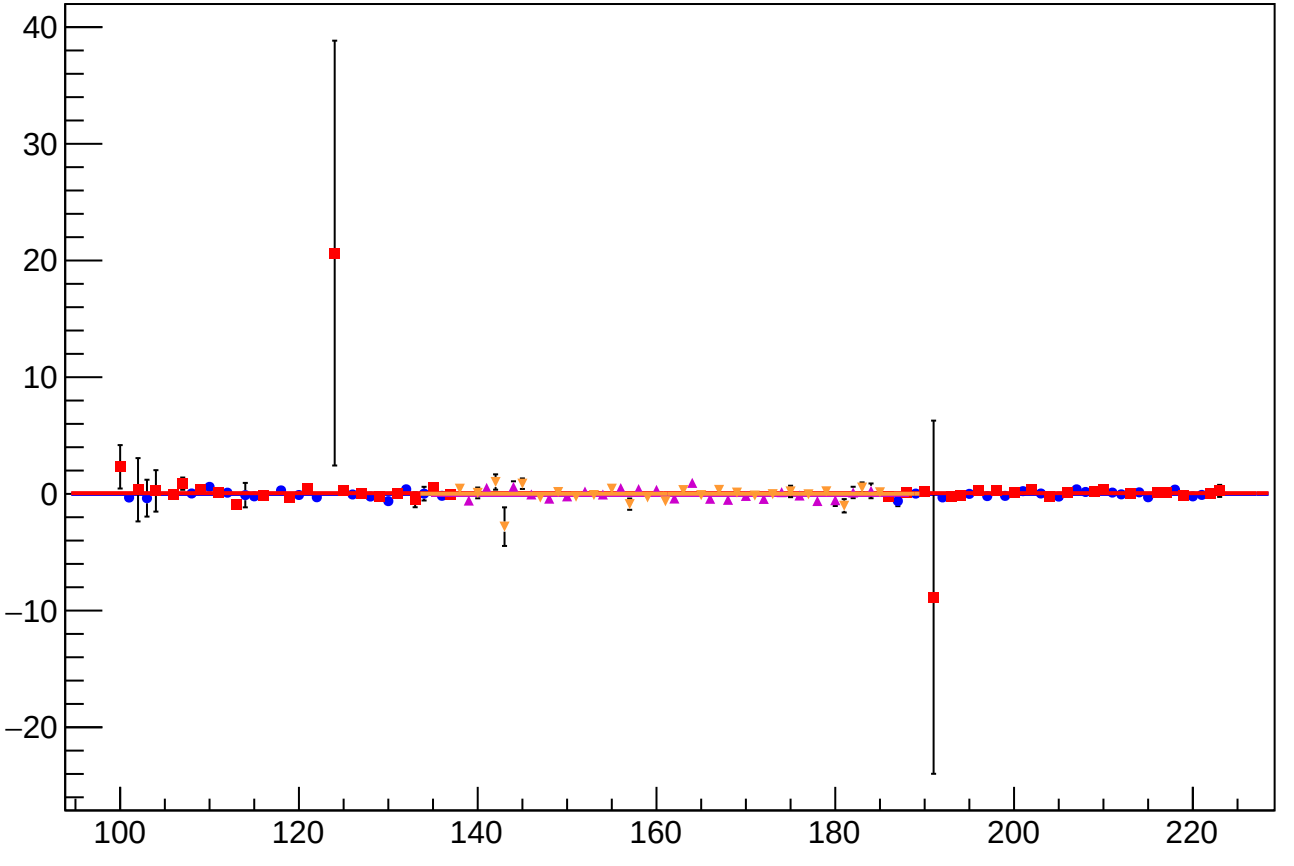
Right: 177.871+/-0.021 χ^2/NDF: 9353143.6/72

In: 210.049+/-0.026 χ^2/NDF:8011993.2/56

Out: 201.631+/-0.025 χ^2/NDF:13414271.0/63

All: 205.736+/-0.018 χ^2/NDF: 21481883.3/12

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

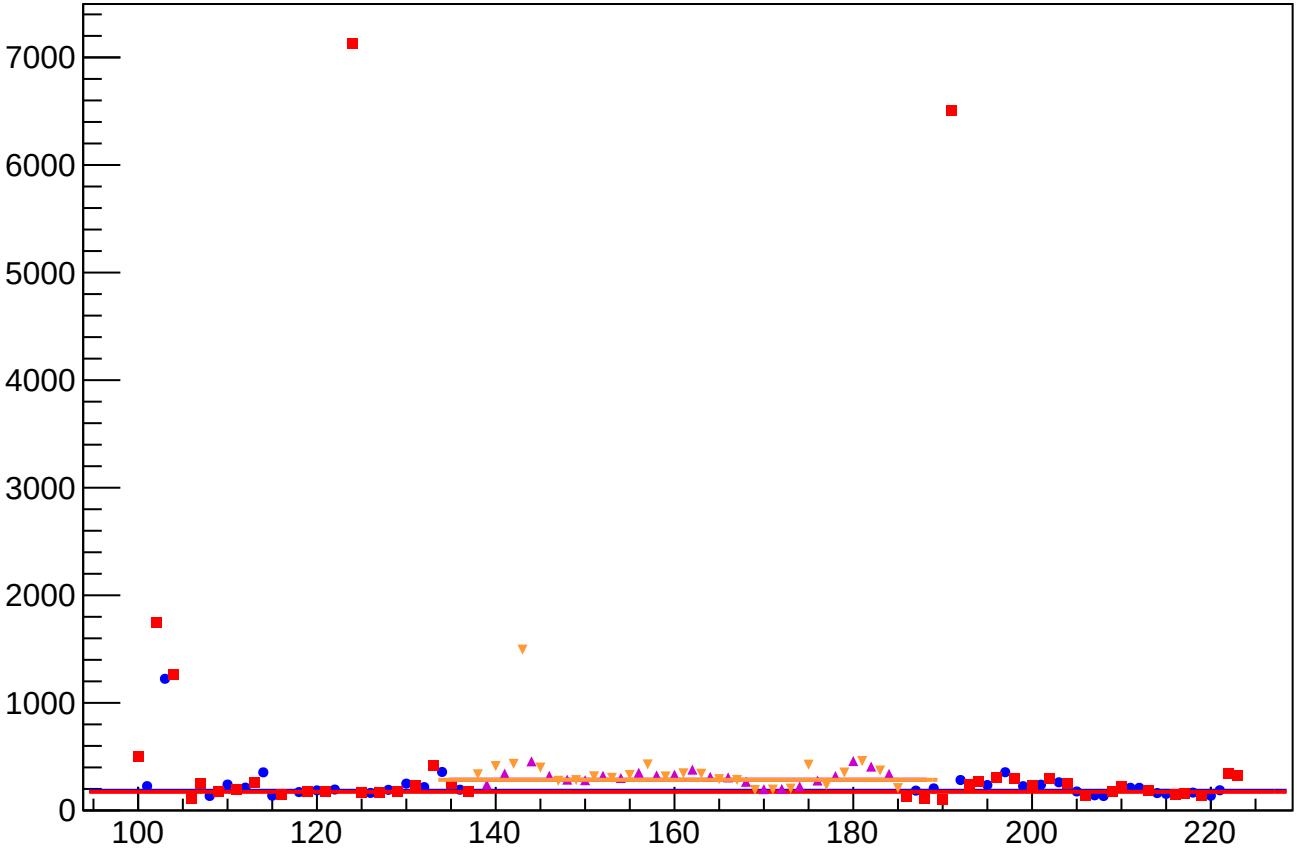
Right: 0.031+/-0.029 χ^2/NDF: 70.4/72

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.051+/-0.035 χ^2/NDF:62.7/63

All: 0.013+/-0.025 χ^2/NDF: 132.1/120

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

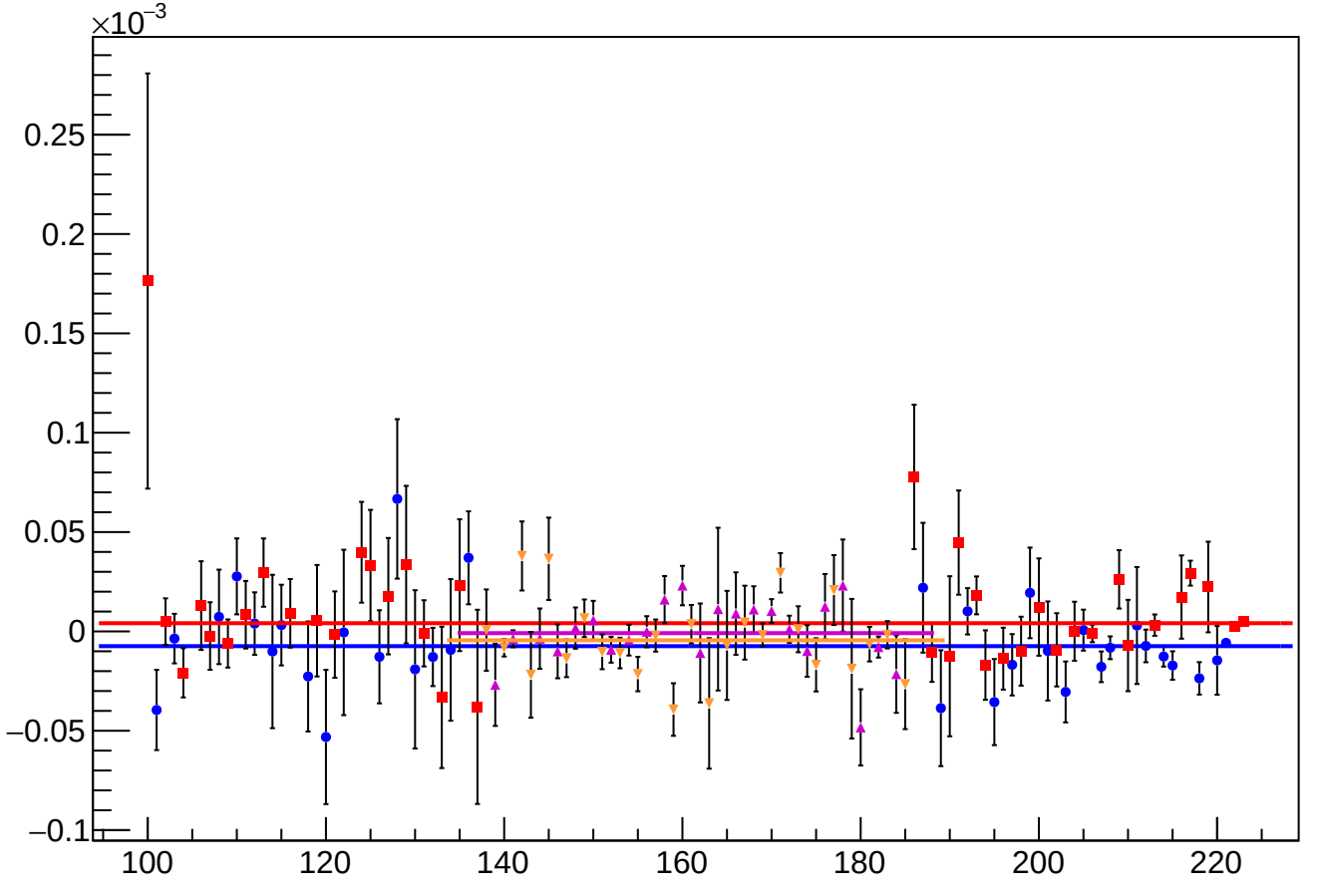
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 177.871+/-0.021 χ^2/NDF: 9353143.6/72

In: 210.049+/-0.026 χ^2/NDF:8011993.2/56

Out: 201.631+/-0.025 χ^2/NDF:13414271.0/63

All: 205.736+/-0.018 χ^2/NDF: 21481883.3/12



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

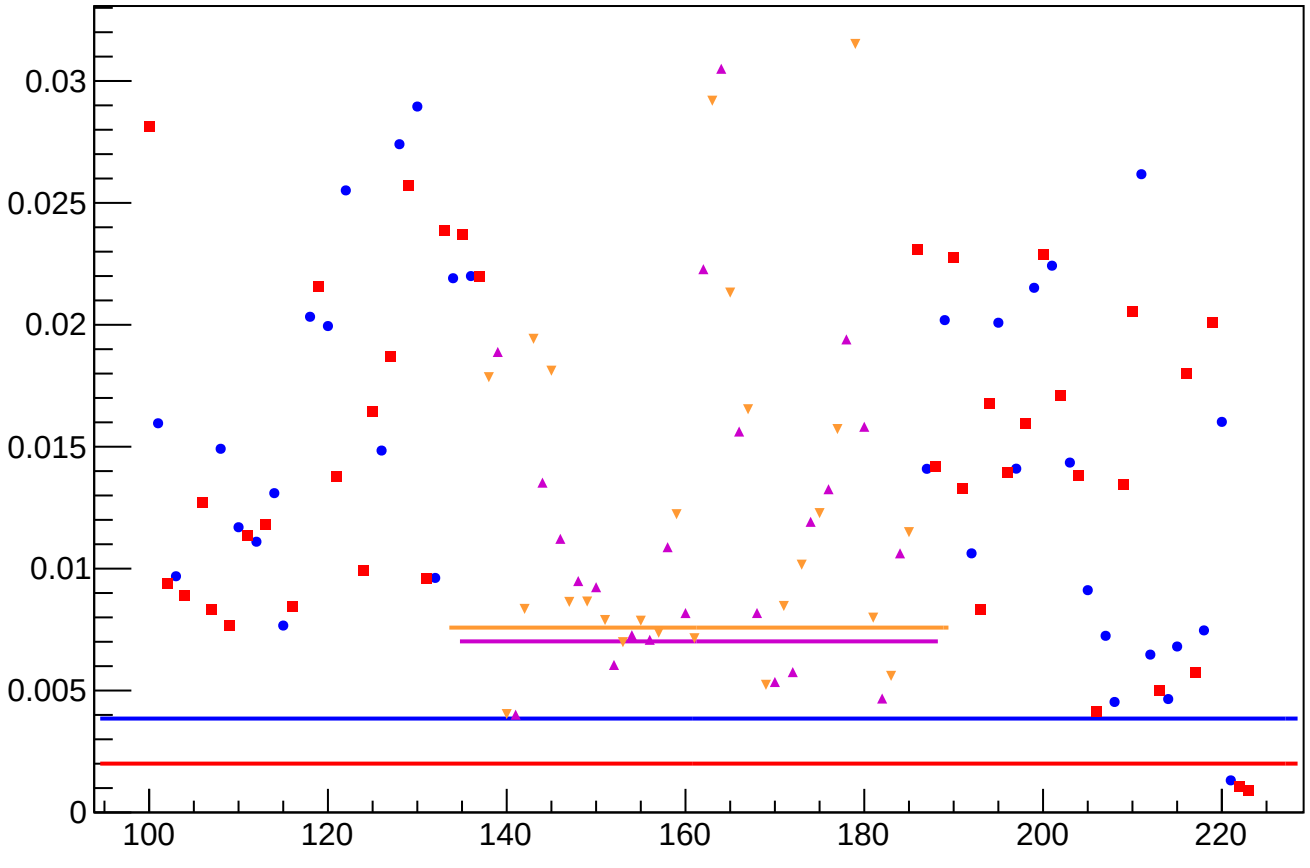
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 147.9/72

In: -0.000+/-0.000 χ^2/NDF:74.3/56

Out: 0.000+/-0.000 χ^2/NDF:113.8/63

All: 0.000+/-0.000 χ^2/NDF: 228.0/120



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

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

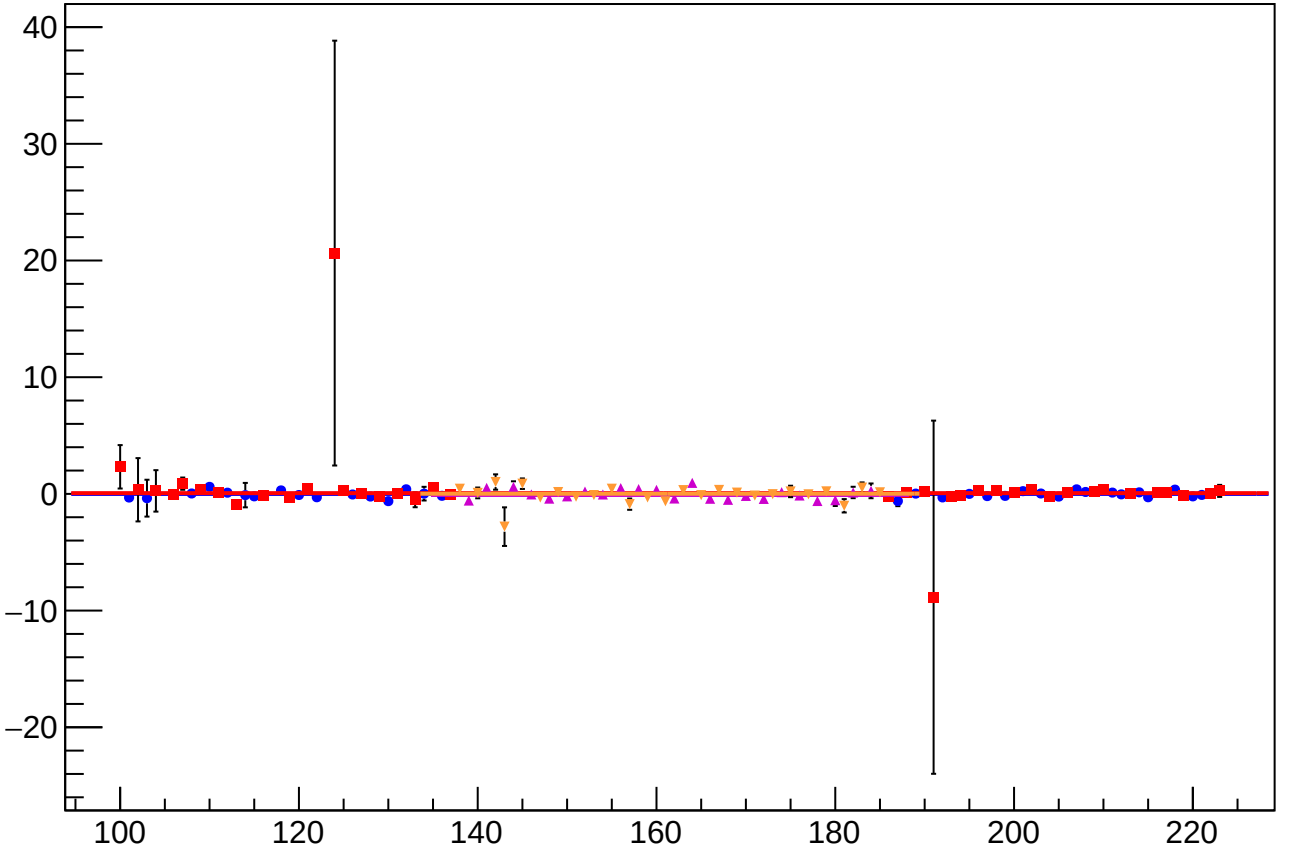
Right: 0.003+/-0.000 χ^2/NDF: 58454320.7/72

In: 0.005+/-0.000 χ^2/NDF:34404012.9/56

Out: 0.003+/-0.000 χ^2/NDF:52727766.5/63

All: 0.003+/-0.000 χ^2/NDF: 92155408.8/120

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

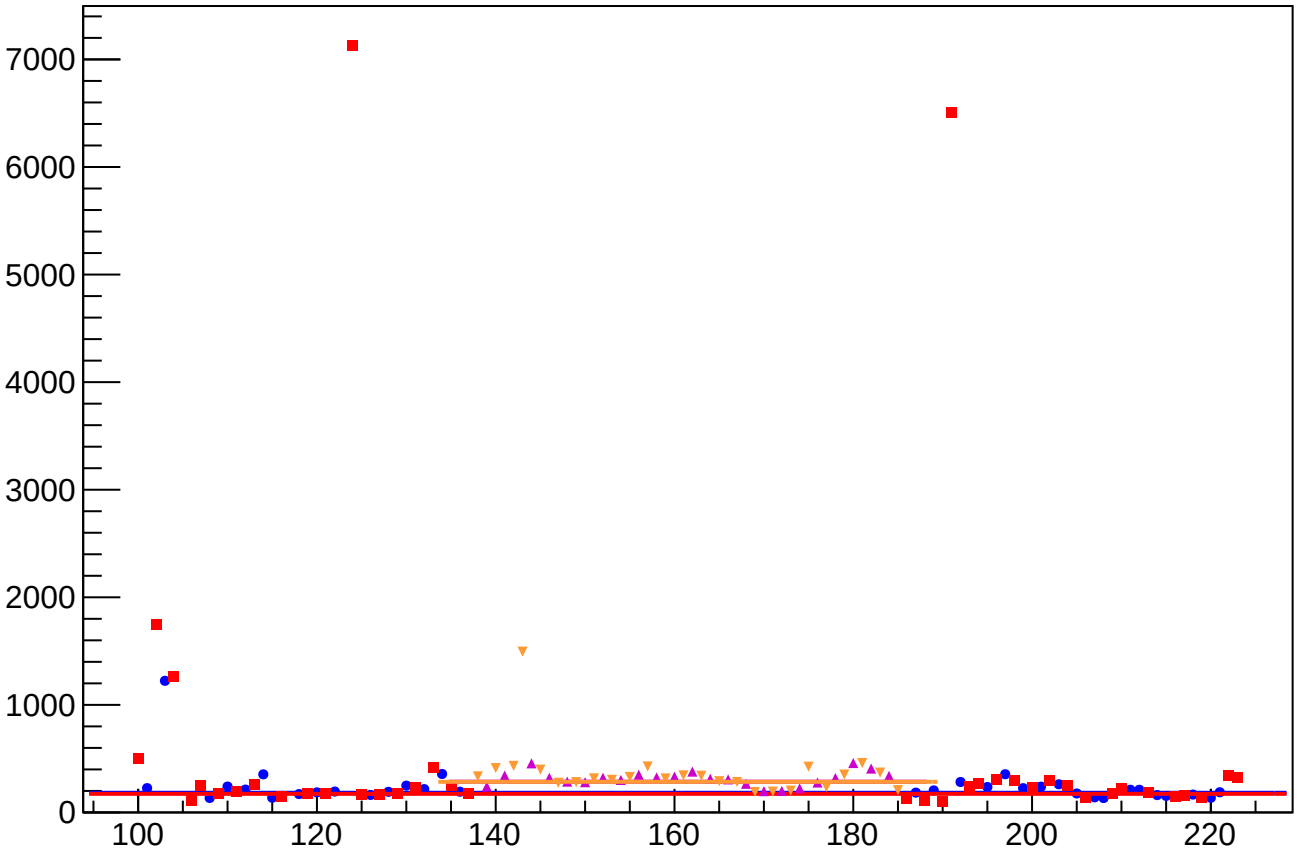
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.031+/-0.029 χ^2/NDF: 70.4/72

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.051+/-0.035 χ^2/NDF:62.7/63

All: 0.013+/-0.025 χ^2/NDF: 132.1/120



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

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

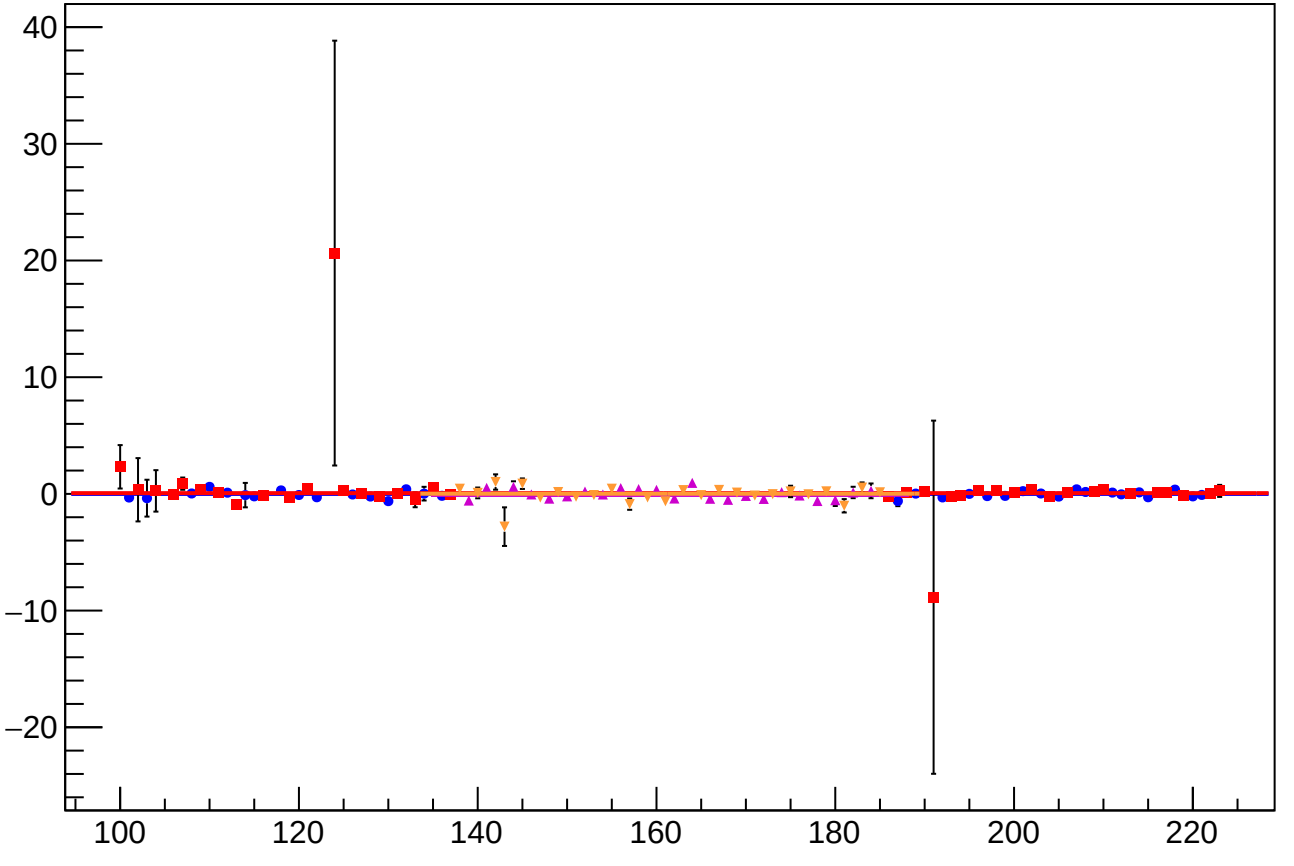
Right: 177.870+/-0.021 χ^2/NDF: 9353288.5/72

In: 210.049+/-0.026 χ^2/NDF:8012183.3/56

Out: 201.629+/-0.025 χ^2/NDF:13414697.2/63

All: 205.735+/-0.018 χ^2/NDF: 21482515.5/12

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

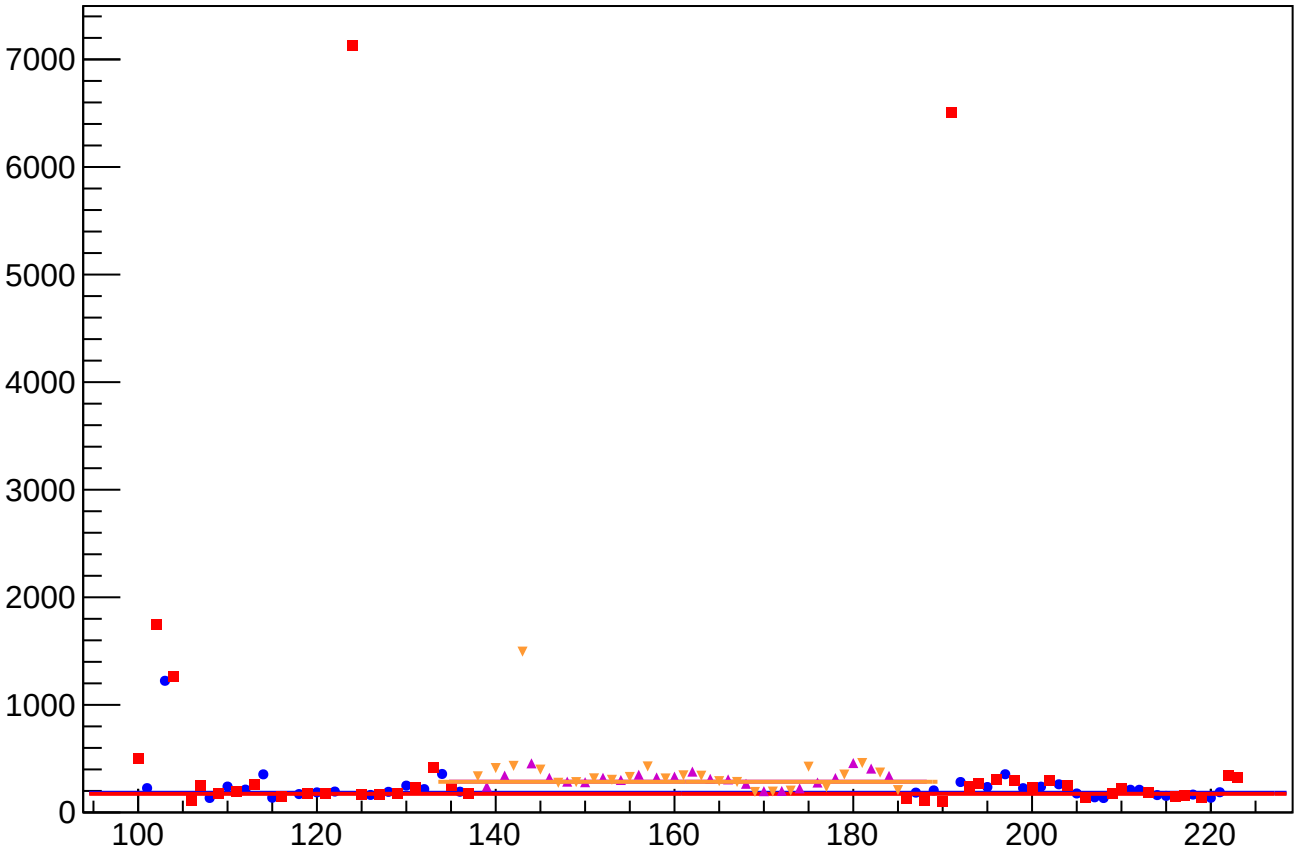
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.031+/-0.029 χ^2/NDF: 70.4/72

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.051+/-0.035 χ^2/NDF:62.7/63

All: 0.013+/-0.025 χ^2/NDF: 132.1/120



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

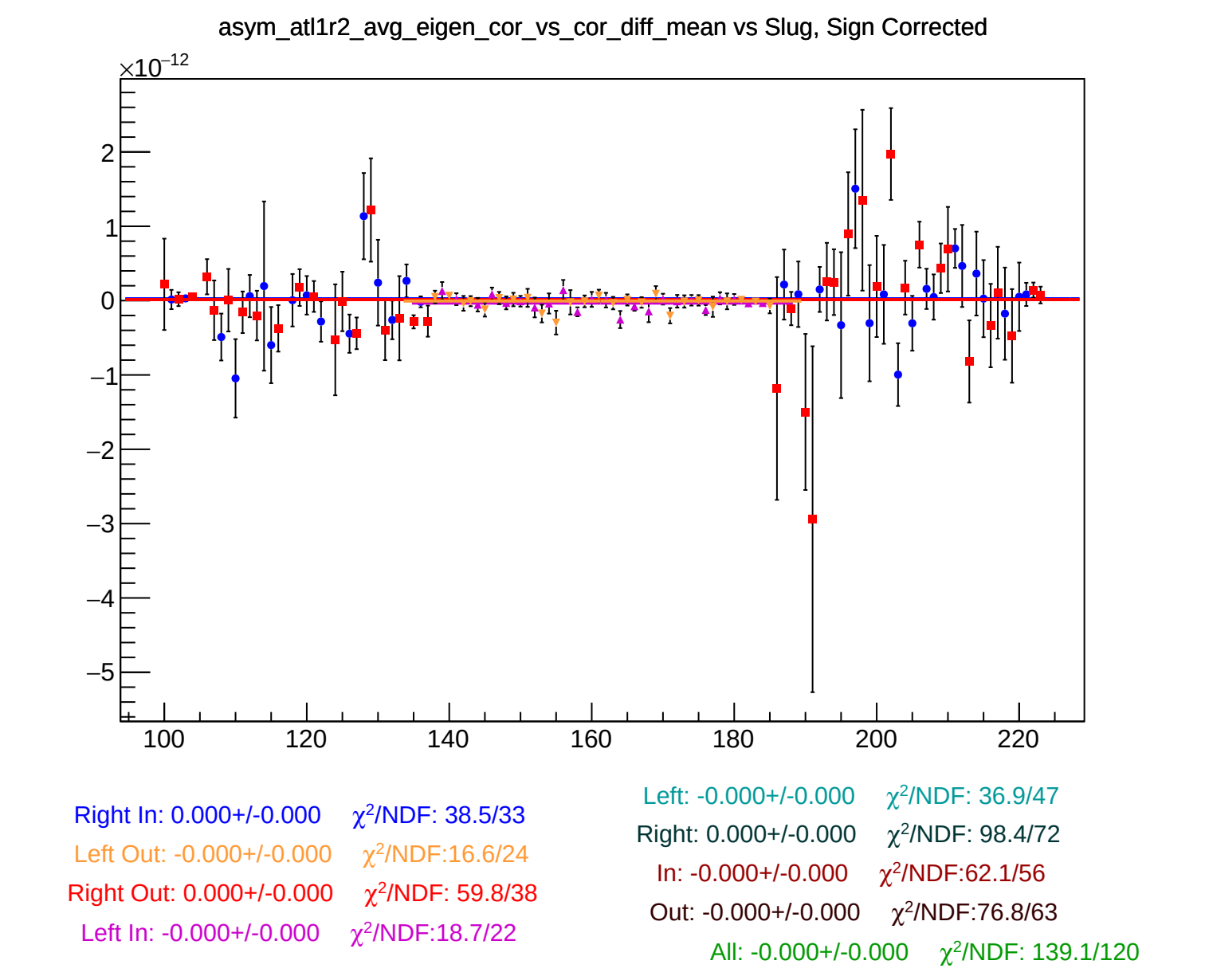
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 177.870+/-0.021 χ^2/NDF: 9353288.5/72

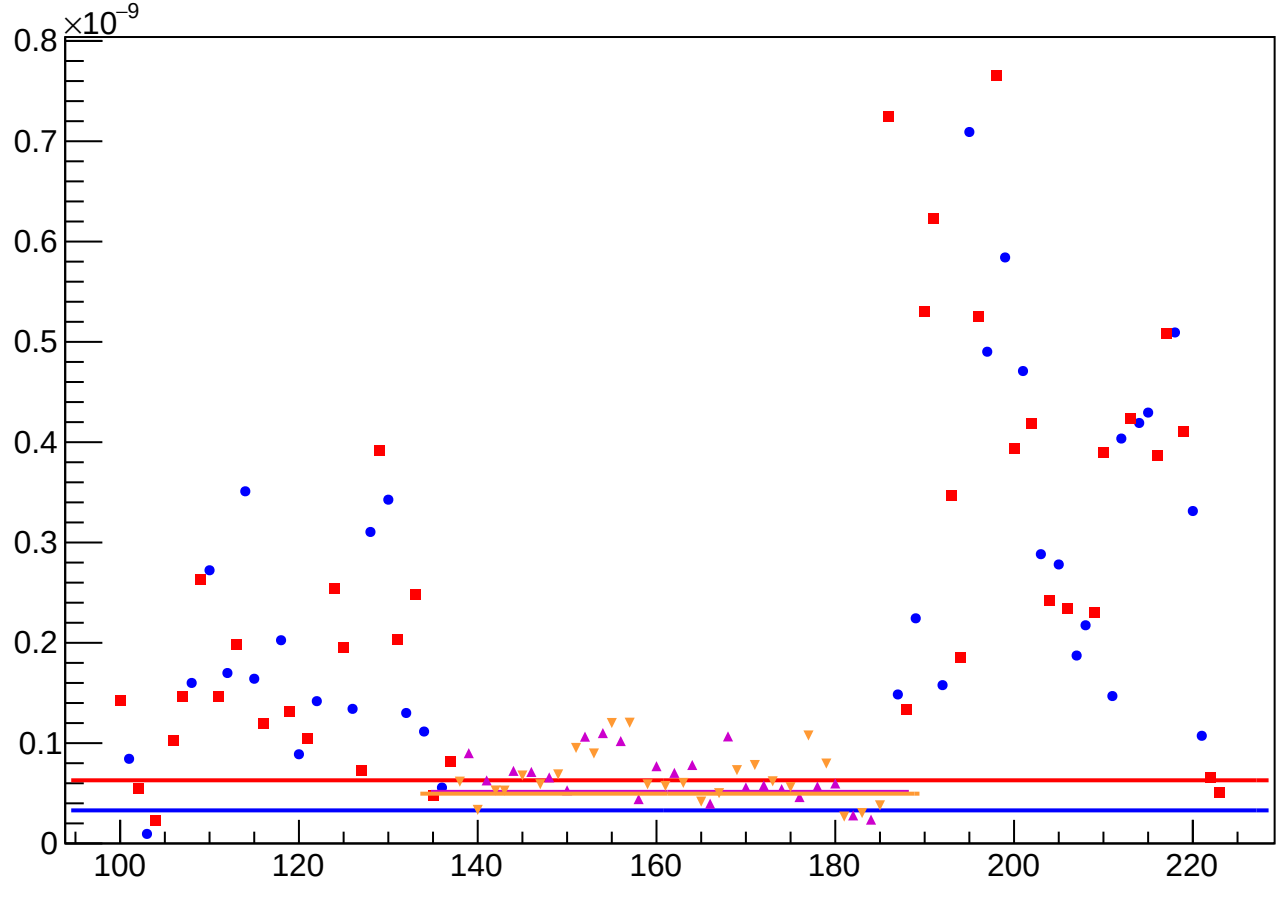
In: 210.049+/-0.026 χ^2/NDF:8012183.3/56

Out: 201.629+/-0.025 χ^2/NDF:13414697.2/63

All: 205.735+/-0.018 χ^2/NDF: 21482515.5/12


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
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
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 98.4/72
In: -0.000+/-0.000 χ²/NDF:62.1/56
Out: -0.000+/-0.000 χ²/NDF:76.8/63
All: -0.000+/-0.000 χ²/NDF: 139.1/120

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

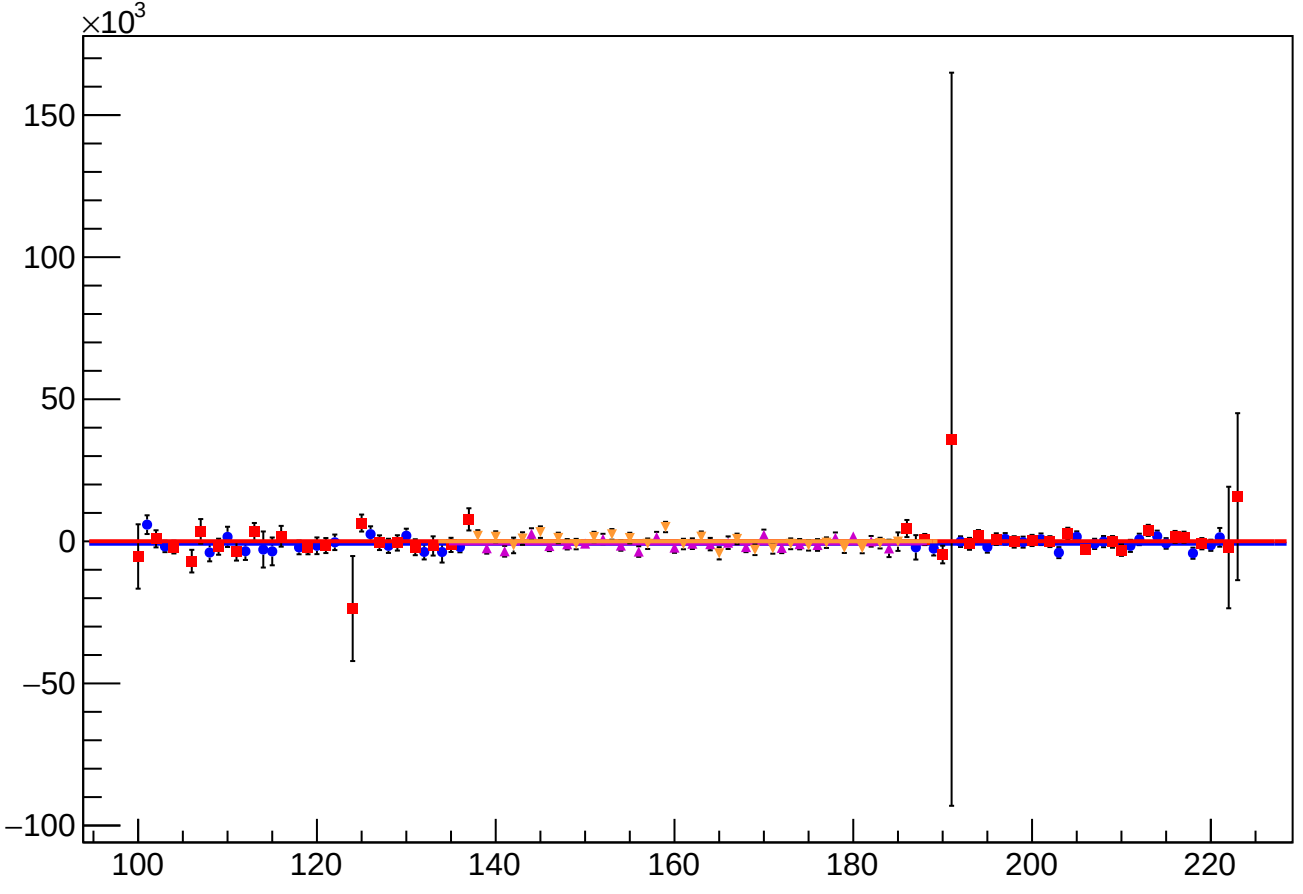
Right: 0.000+/-0.000 χ^2/NDF: 36080147.4/72

In: 0.000+/-0.000 χ^2/NDF:24807362.6/56

Out: 0.000+/-0.000 χ^2/NDF:18694597.0/63

All: 0.000+/-0.000 χ^2/NDF: 43916878.9/120

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

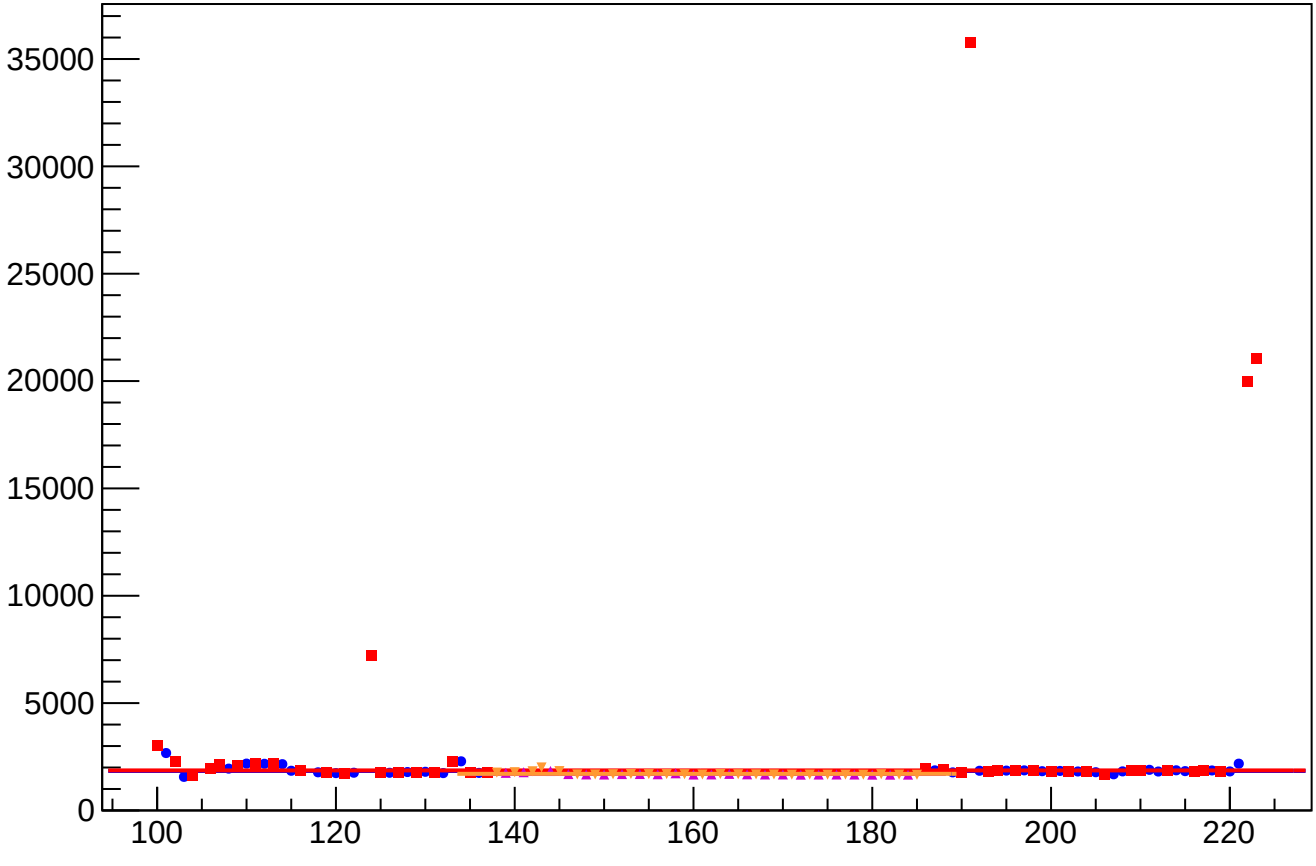
Right: -407.934+/-283.782 χ^2/NDF: 67.0/72

In: -779.973+/-280.790 χ^2/NDF:44.3/56

Out: 31.624+/-280.075 χ^2/NDF:68.8/63

All: -373.140+/-198.295 χ^2/NDF: 117.3/120

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

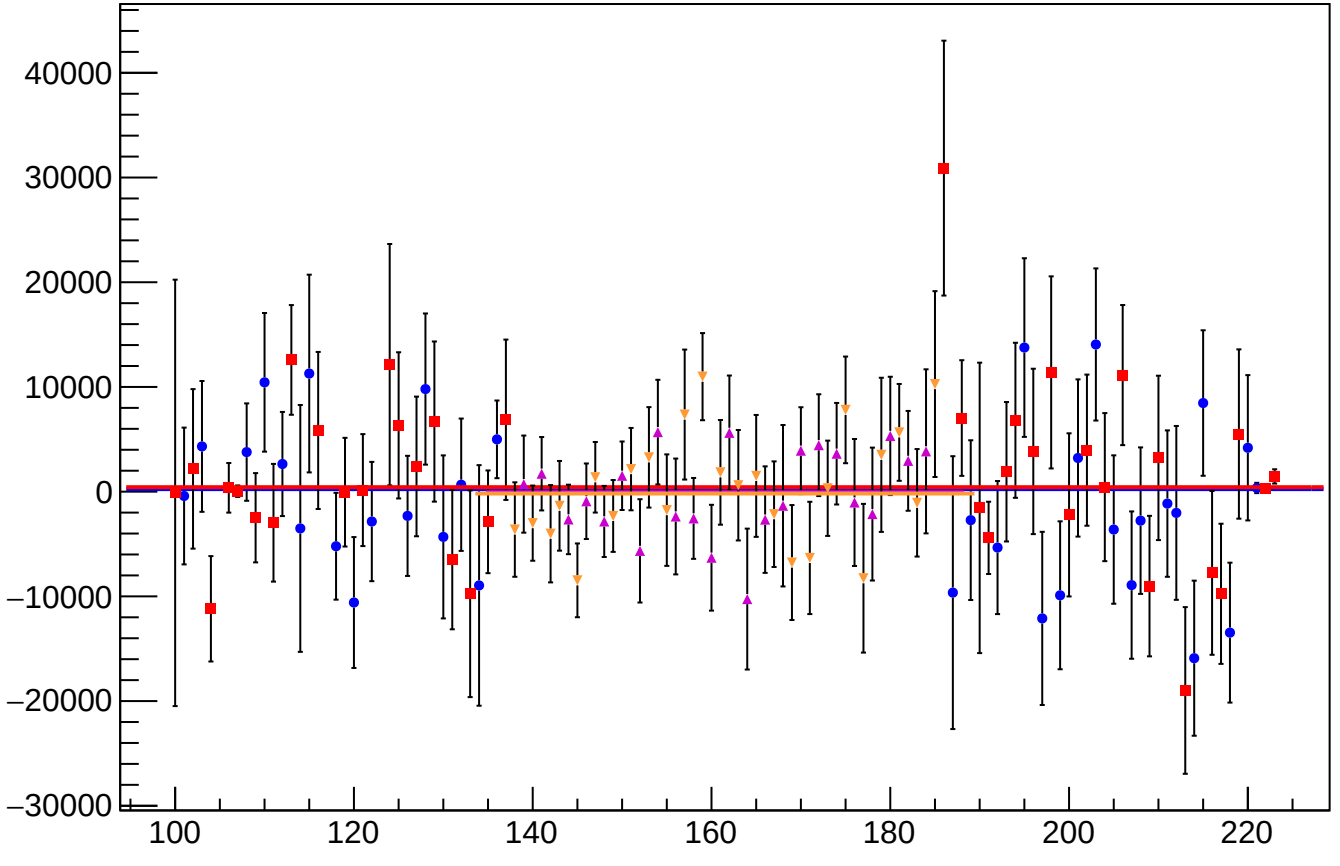
Right: 1851.250+/-0.201 χ^2/NDF: 3137108.5/72

In: 1767.713+/-0.199 χ^2/NDF:450779.2/56

Out: 1781.707+/-0.198 χ^2/NDF:3049823.6/63

All: 1774.730+/-0.140 χ^2/NDF: 3503093.7/12

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



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

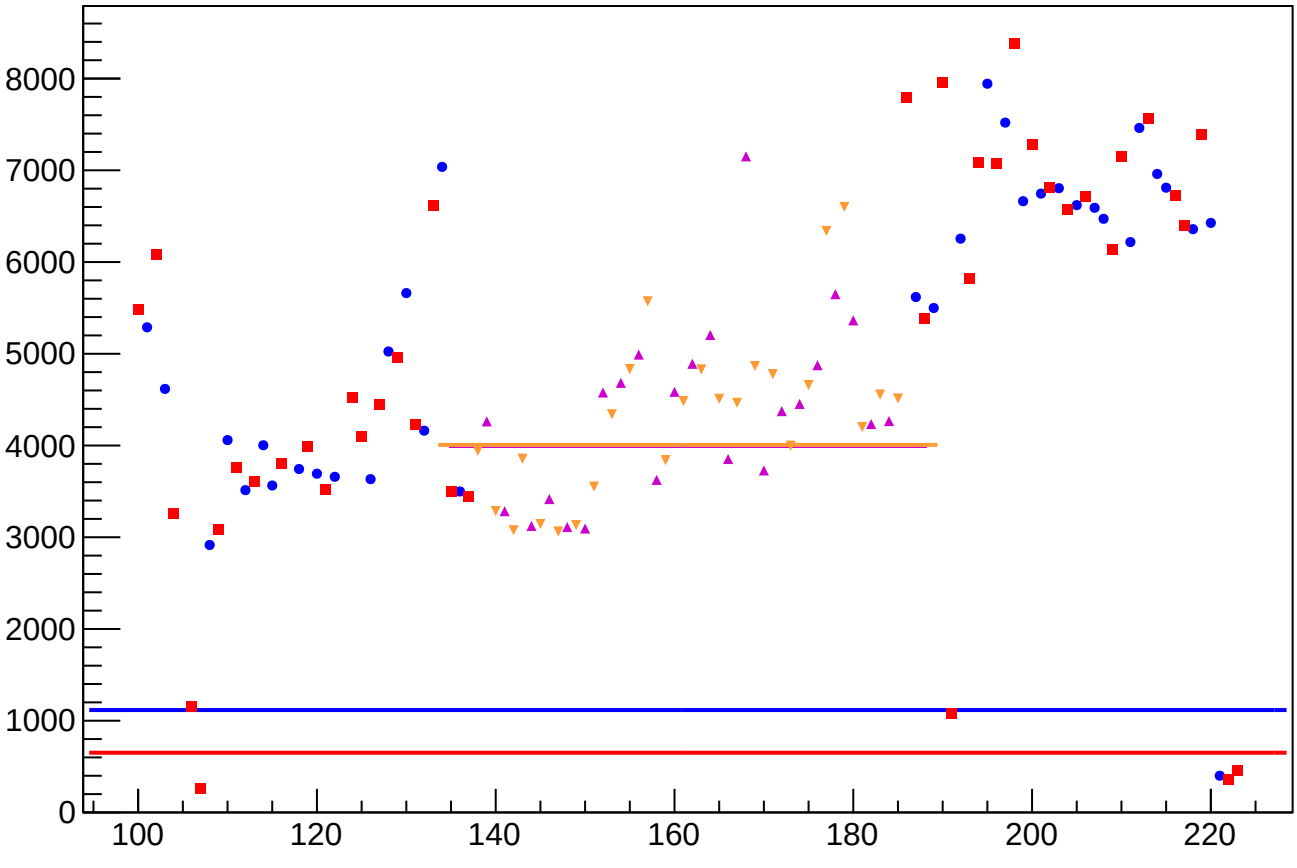
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 373.584+/-242.429 χ^2/NDF: 87.0/72

In: 188.123+/-408.788 χ^2/NDF:53.6/56

Out: 374.449+/-274.539 χ^2/NDF:76.0/63

All: 316.532+/-227.911 χ^2/NDF: 129.7/120



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

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

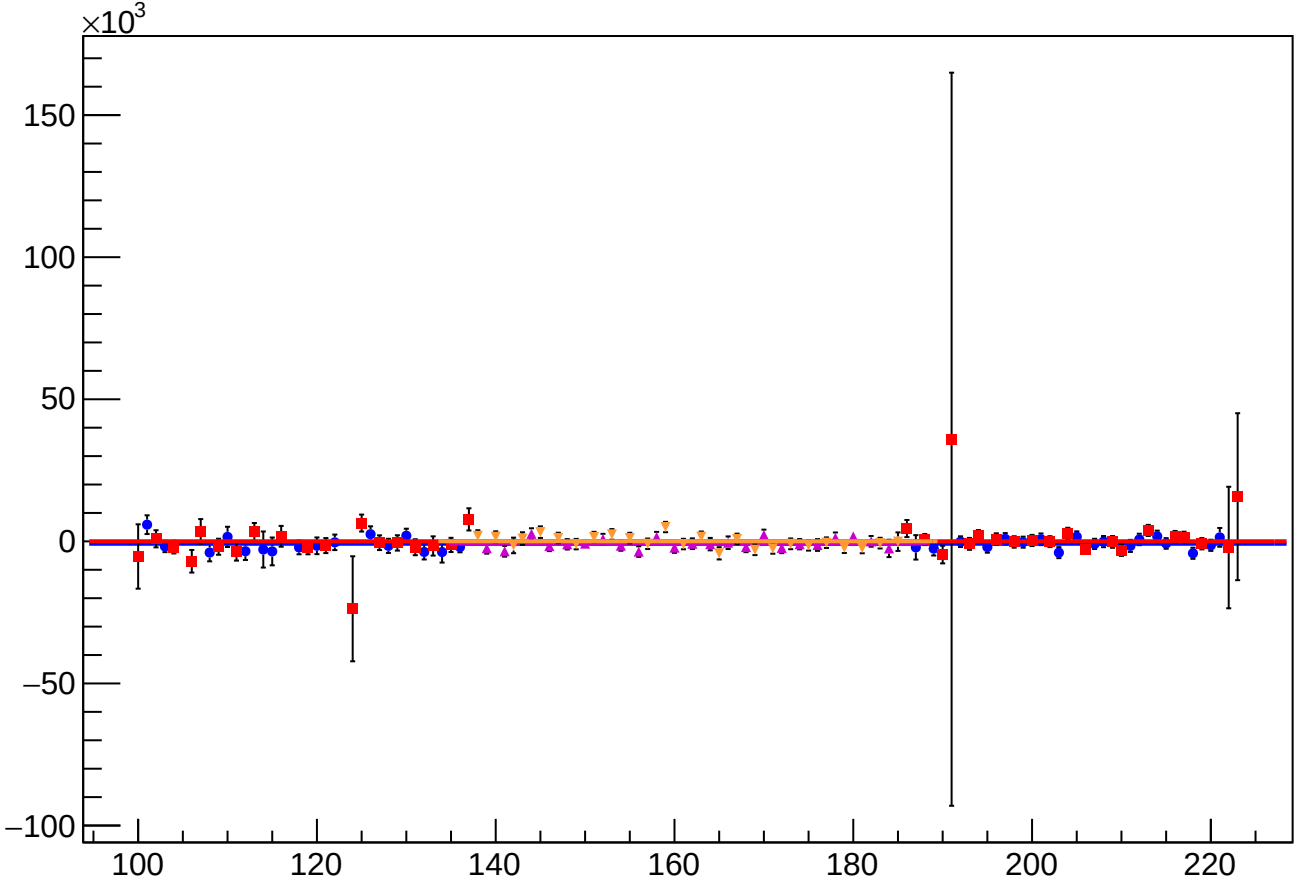
Right: 784.830+/-0.171 χ^2/NDF: 66641423.5/72

In: 1642.177+/-0.289 χ^2/NDF:47280945.5/56

Out: 940.375+/-0.194 χ^2/NDF:59240552.2/63

All: 1158.522+/-0.161 χ^2/NDF: 110583914.4/

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

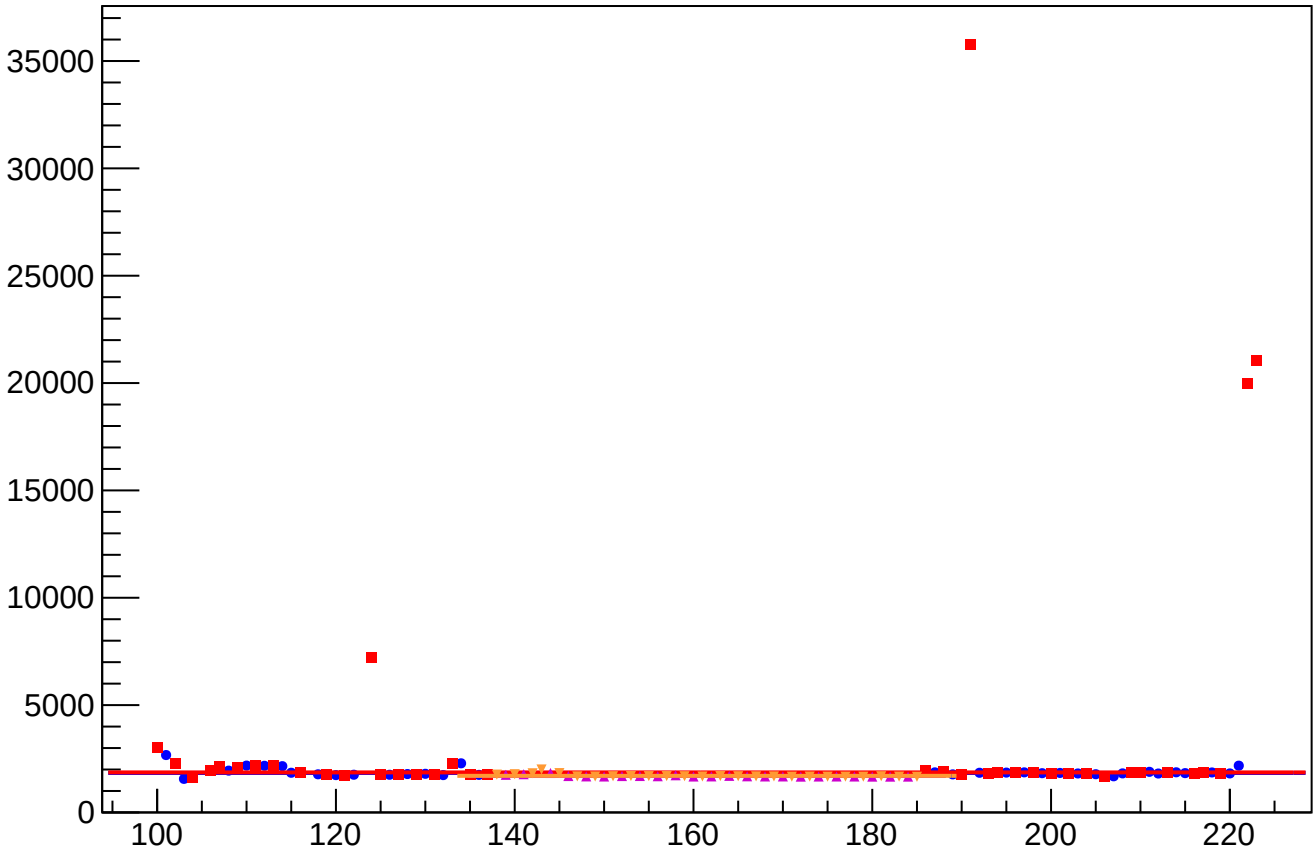
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -407.932+/-283.782 χ^2/NDF: 67.0/72

In: -779.834+/-280.790 χ^2/NDF:44.3/56

Out: 31.588+/-280.075 χ^2/NDF:68.8/63

All: -373.089+/-198.296 χ^2/NDF: 117.4/120



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

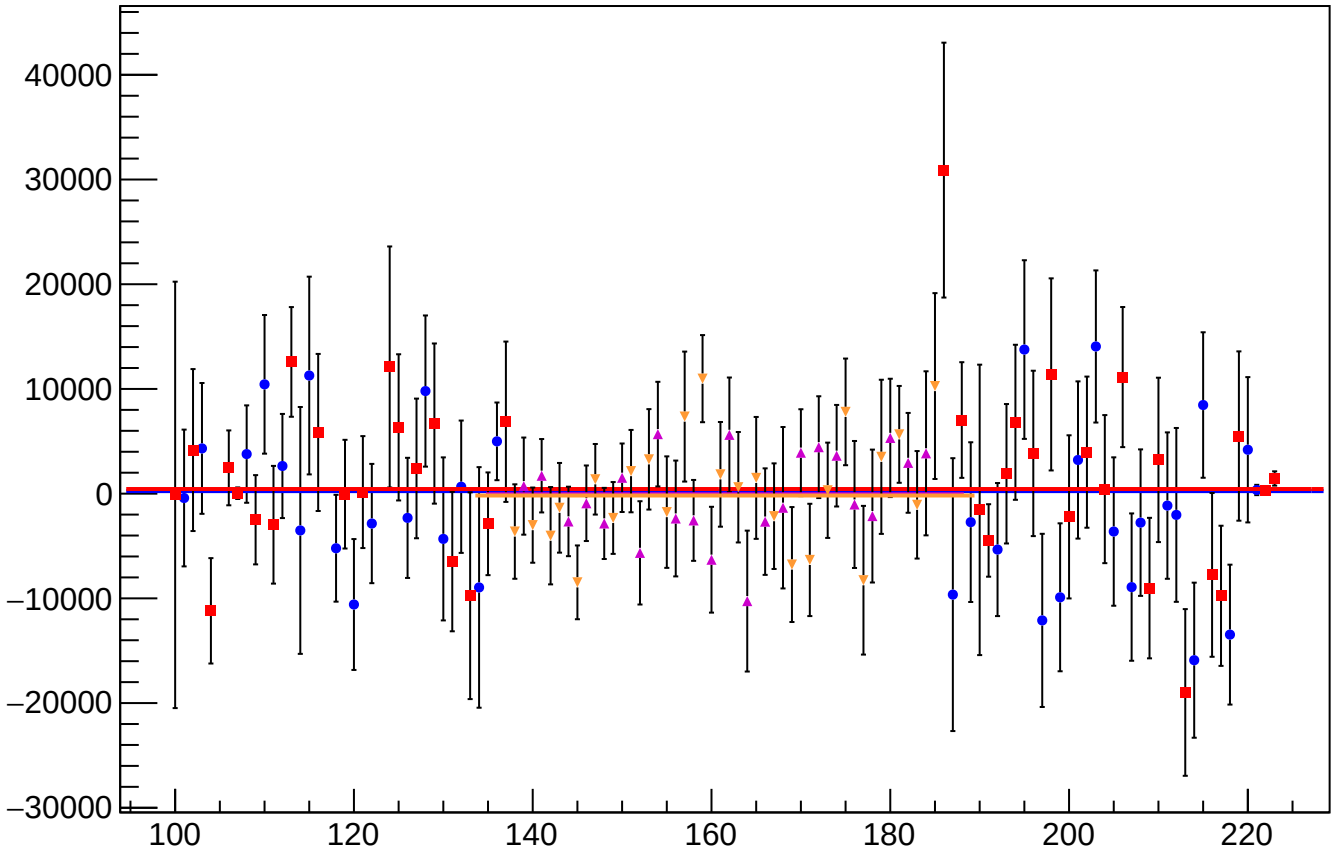
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1851.322+/-0.201 χ^2/NDF: 3137466.8/72

In: 1767.713+/-0.199 χ^2/NDF:450778.6/56

Out: 1781.771+/-0.198 χ^2/NDF:3050421.0/63

All: 1774.763+/-0.140 χ^2/NDF: 3503713.4/12



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

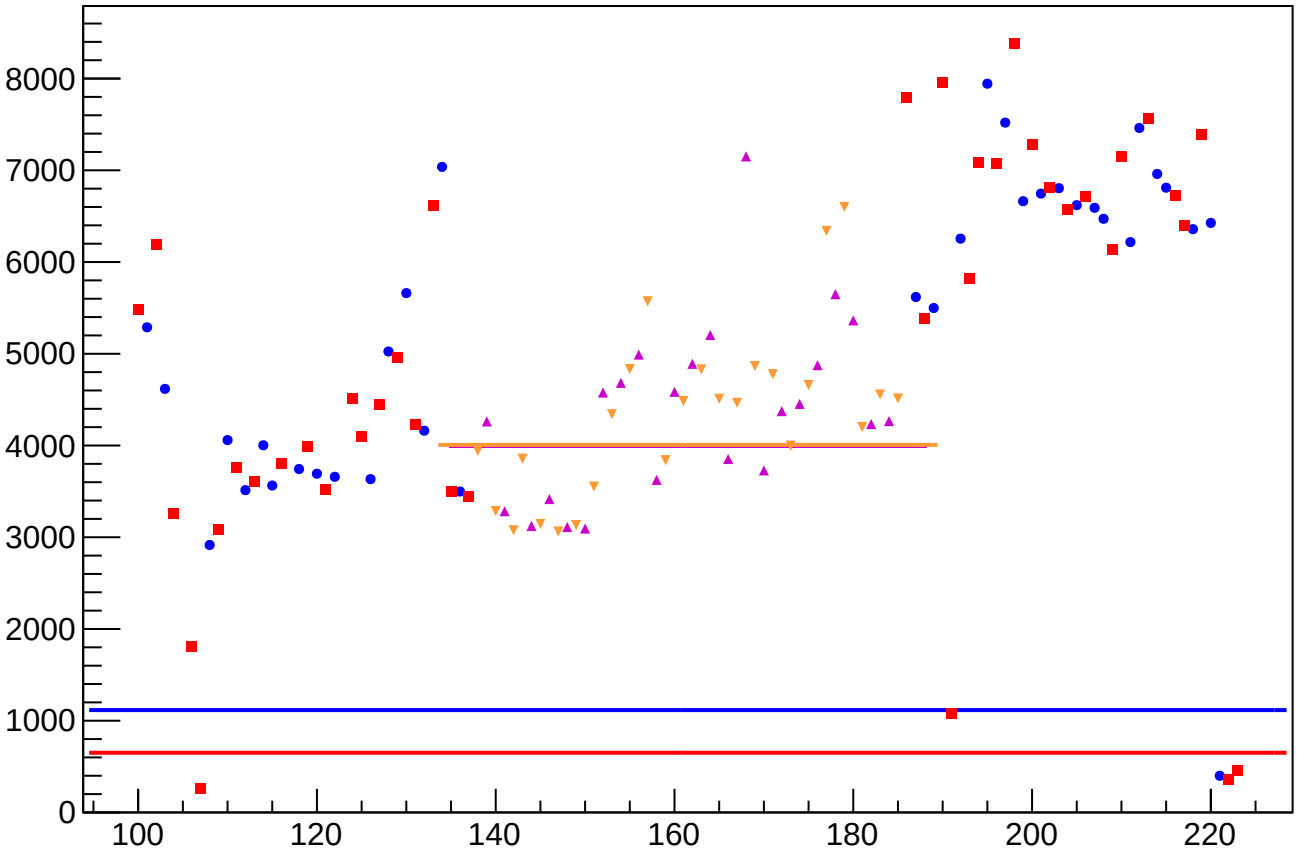
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 384.700+/-243.104 χ^2/NDF: 87.5/72

In: 187.396+/-408.709 χ^2/NDF:53.6/56

Out: 389.107+/-275.545 χ^2/NDF:76.5/63

All: 326.074+/-228.472 χ^2/NDF: 130.3/120



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

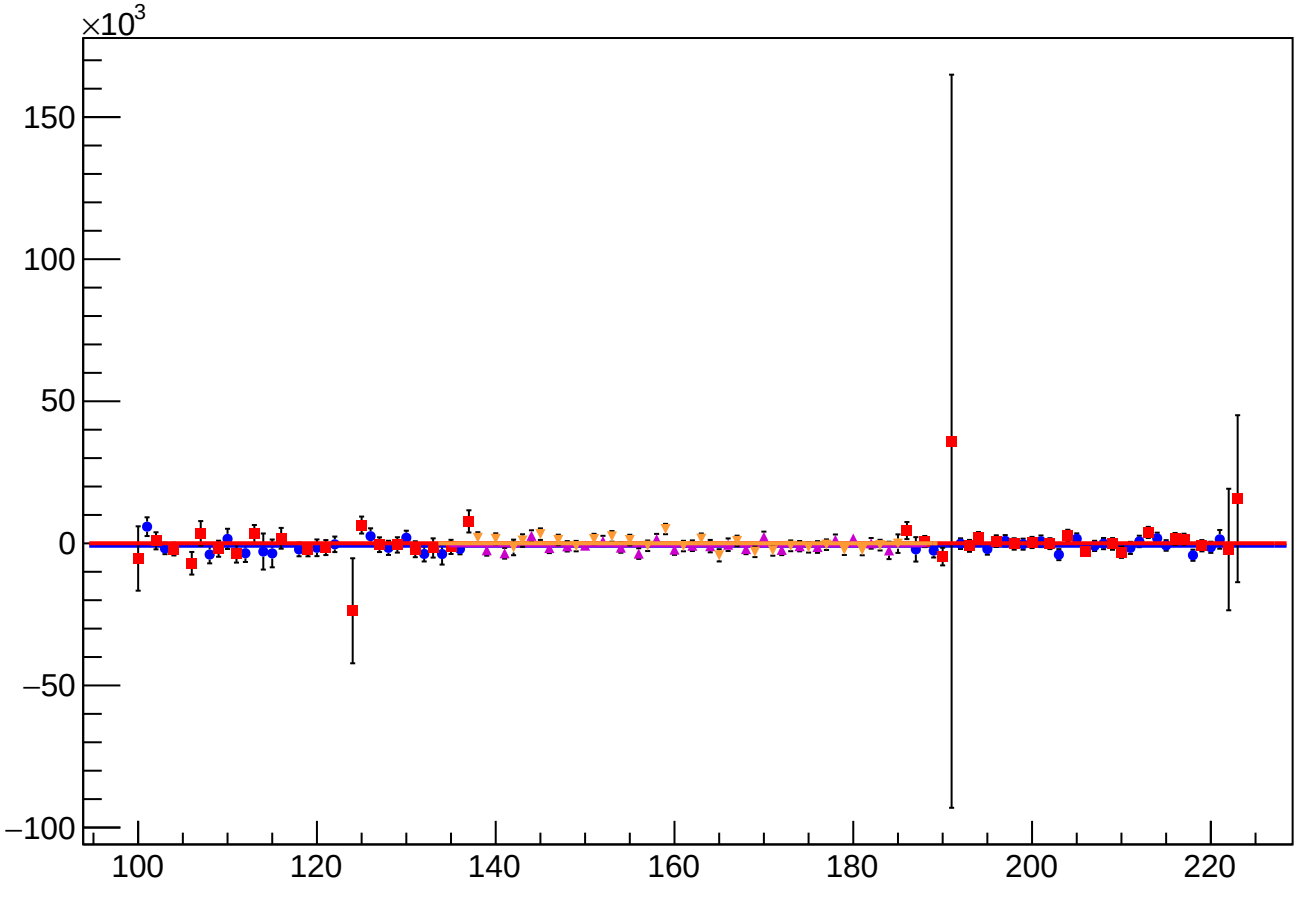
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 785.367+/-0.172 χ^2/NDF: 66771761.3/72

In: 1641.617+/-0.289 χ^2/NDF:47290426.4/56

Out: 942.311+/-0.195 χ^2/NDF:59358187.6/63

All: 1160.837+/-0.162 χ^2/NDF: 110674077.9



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

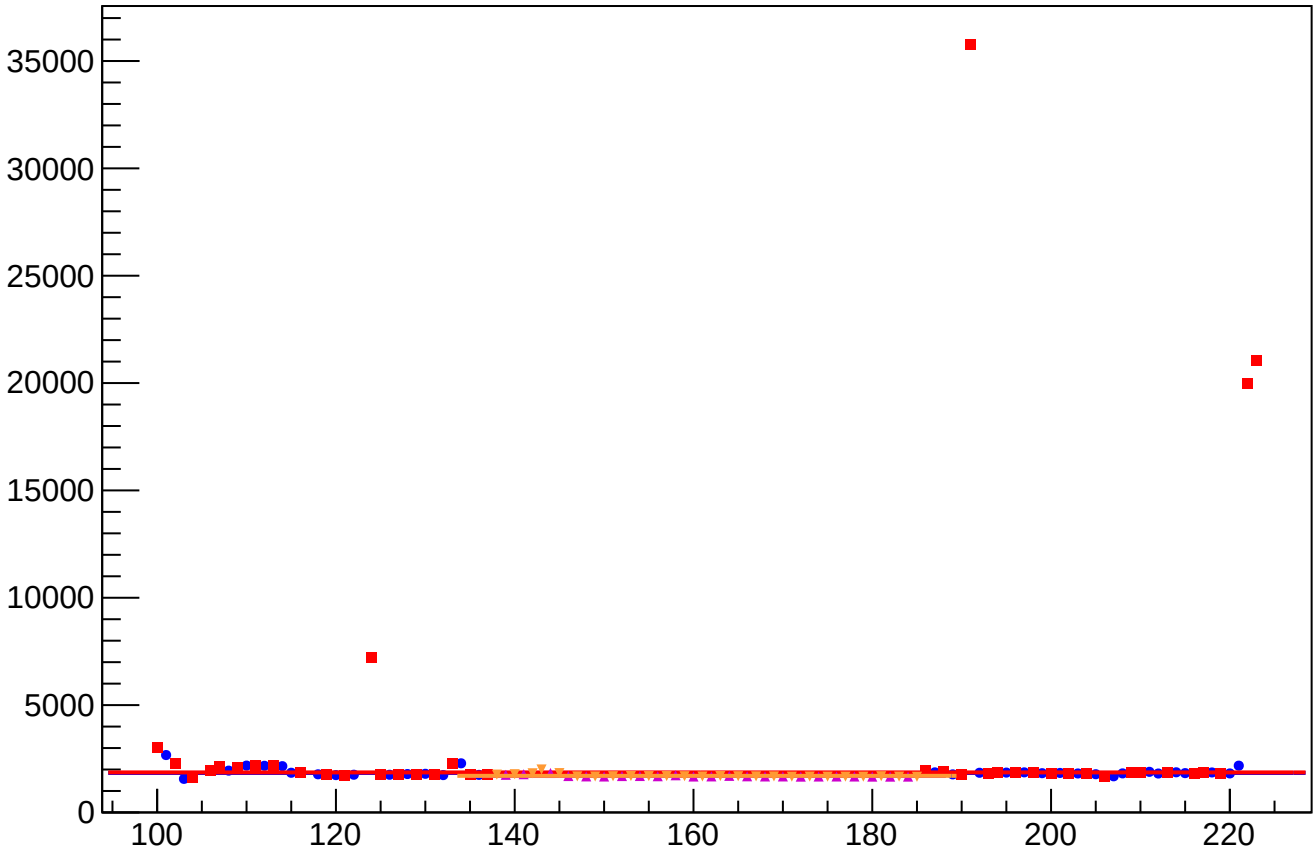
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -407.932+/-283.782 χ^2/NDF: 67.0/72

In: -779.834+/-280.790 χ^2/NDF:44.3/56

Out: 31.588+/-280.075 χ^2/NDF:68.8/63

All: -373.089+/-198.296 χ^2/NDF: 117.4/120



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

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

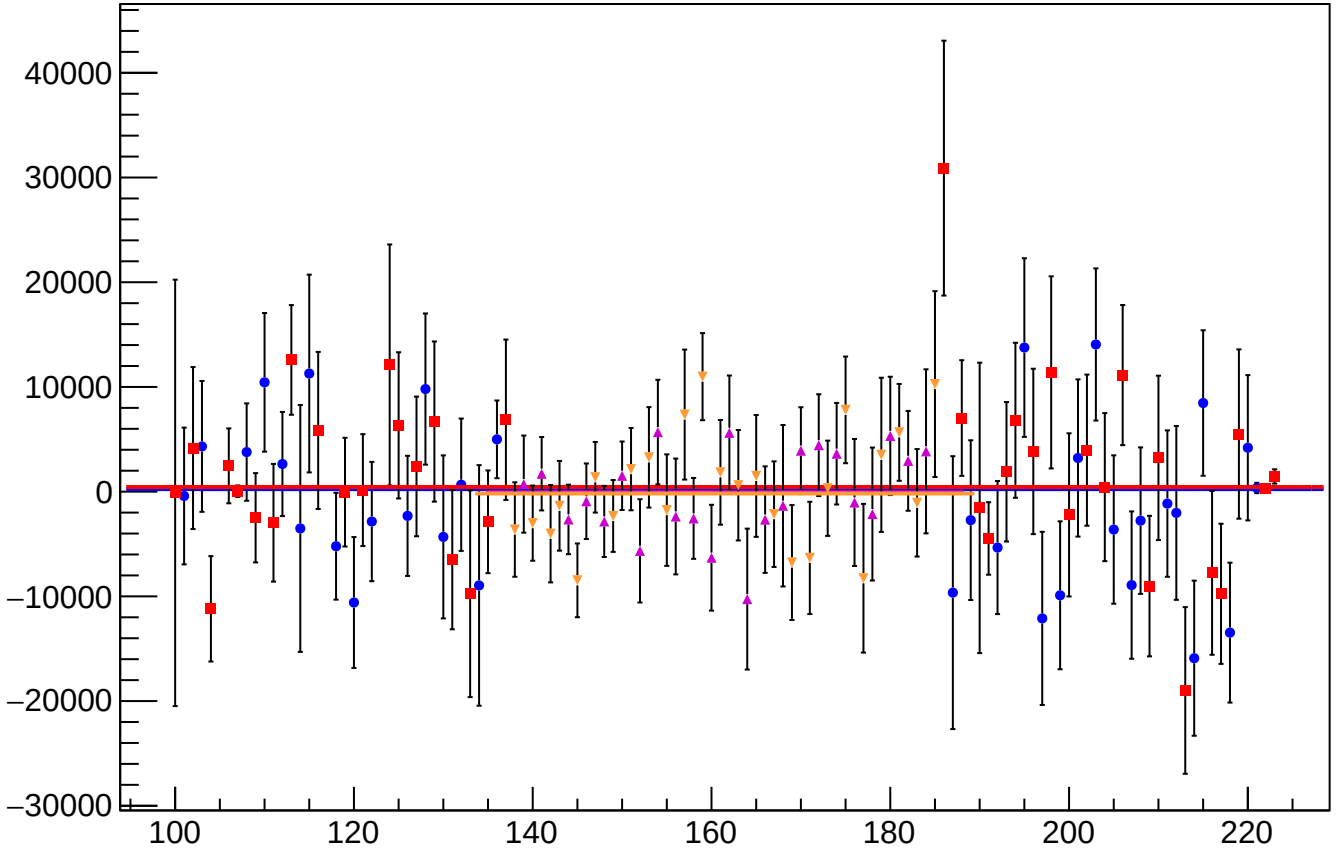
Right: 1851.322+/-0.201 χ^2/NDF: 3137466.8/72

In: 1767.713+/-0.199 χ^2/NDF:450778.6/56

Out: 1781.771+/-0.198 χ^2/NDF:3050421.0/63

All: 1774.763+/-0.140 χ^2/NDF: 3503713.4/12

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

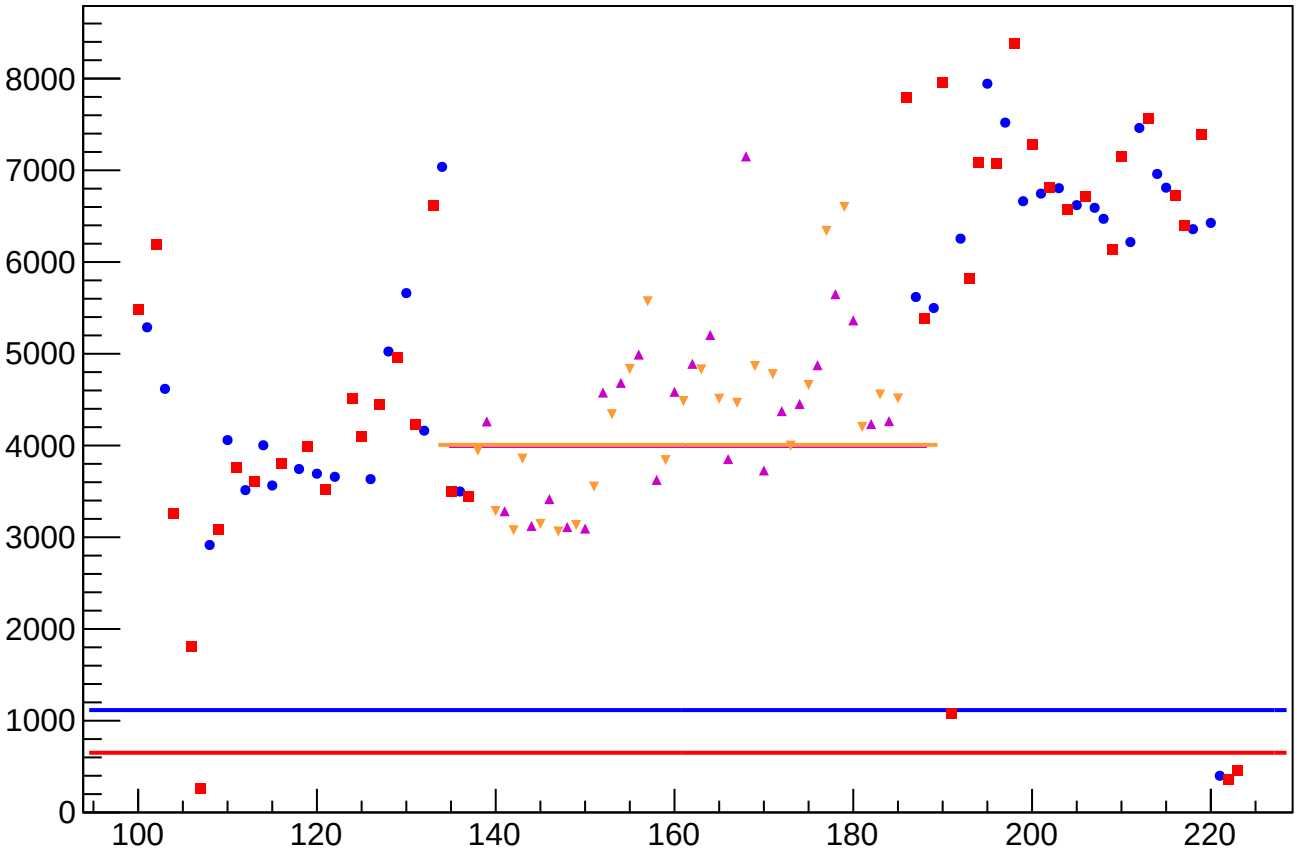
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 384.700+/-243.104 χ^2/NDF: 87.5/72

In: 187.396+/-408.709 χ^2/NDF:53.6/56

Out: 389.107+/-275.545 χ^2/NDF:76.5/63

All: 326.074+/-228.472 χ^2/NDF: 130.3/120



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

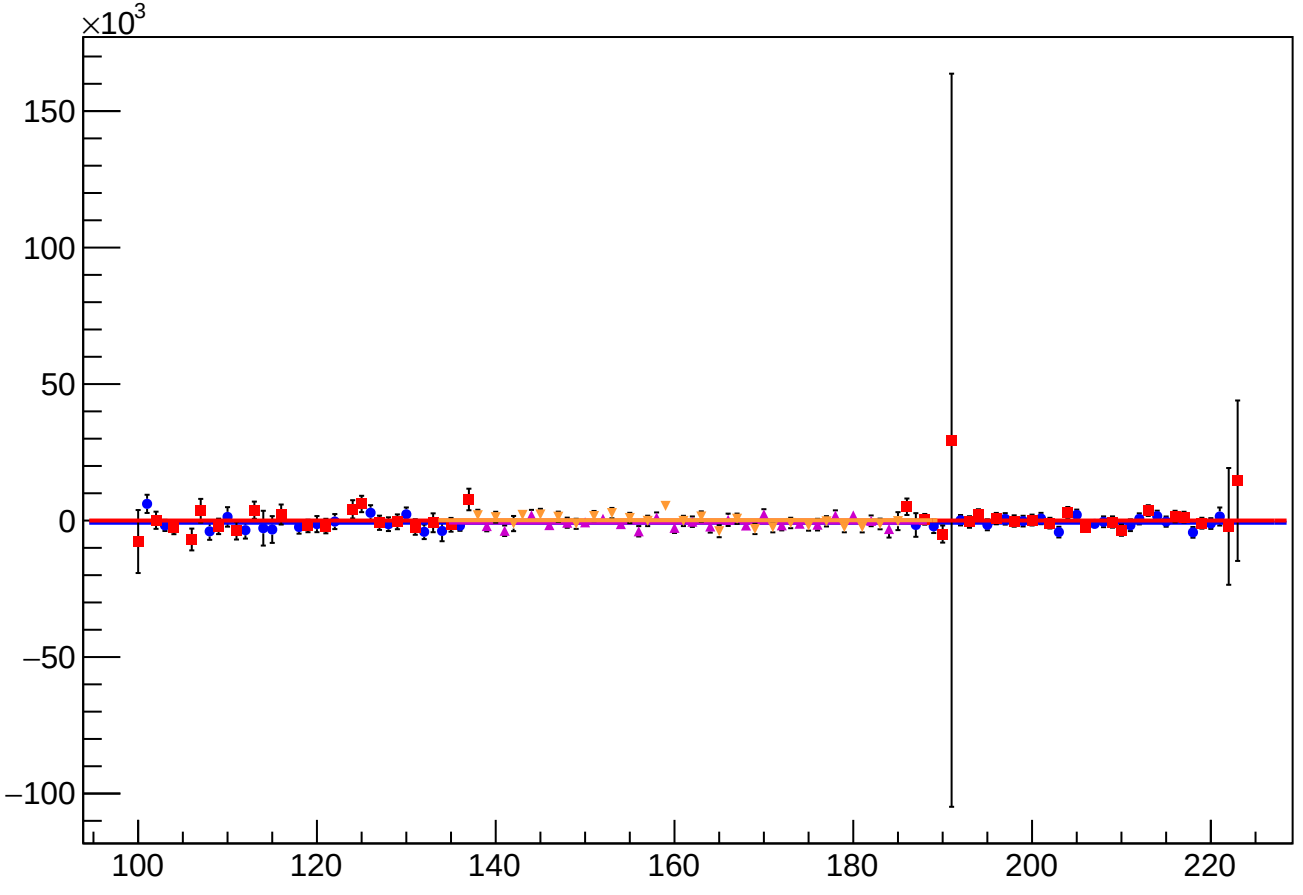
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 785.367+/-0.172 χ^2/NDF: 66771761.3/72

In: 1641.617+/-0.289 χ^2/NDF:47290426.4/56

Out: 942.311+/-0.195 χ^2/NDF:59358187.6/63

All: 1160.837+/-0.162 χ^2/NDF: 110674077.9



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

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

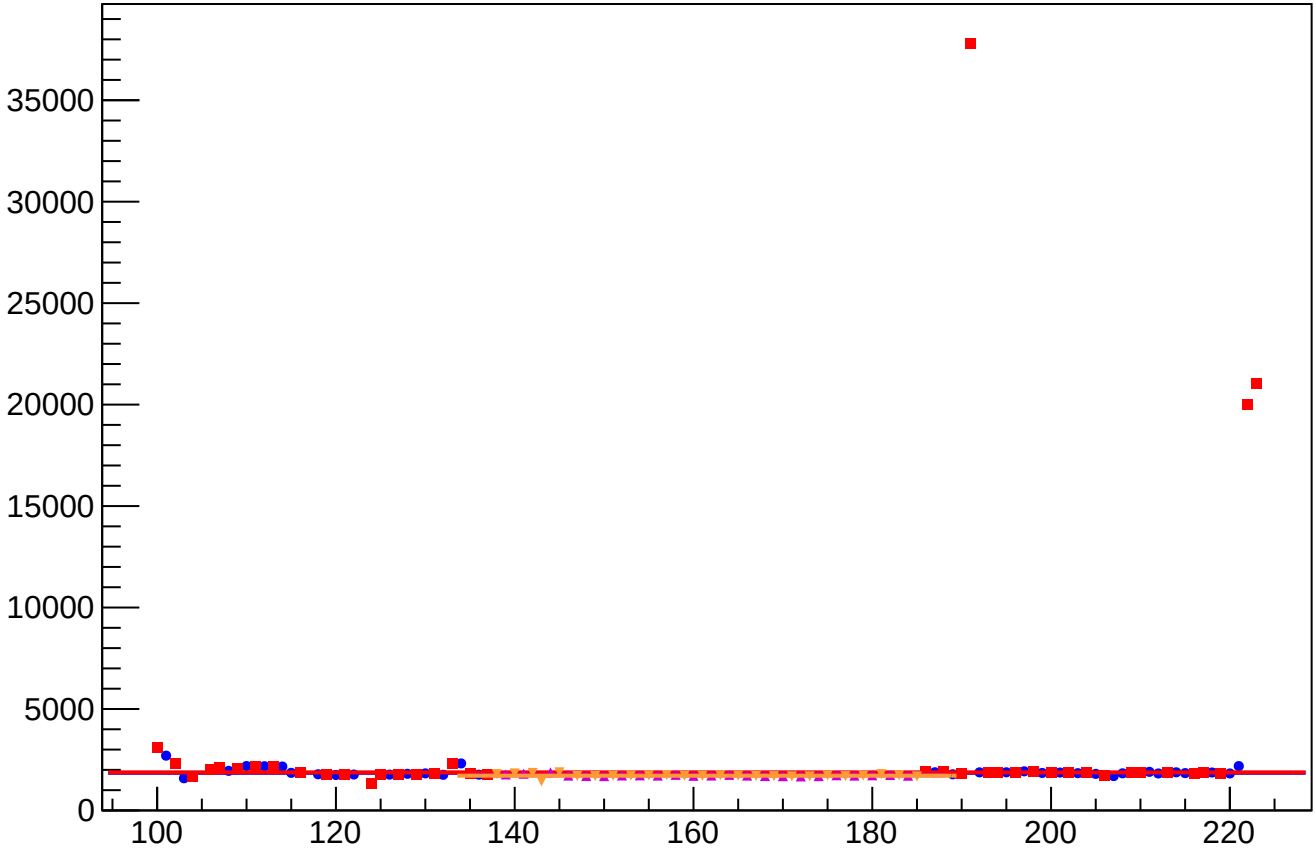
Right: -399.185+/-285.643 χ^2/NDF: 69.2/72

In: -771.525+/-284.792 χ^2/NDF:45.5/56

Out: 69.087+/-281.255 χ^2/NDF:70.5/63

All: -345.966+/-200.116 χ^2/NDF: 120.4/120

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

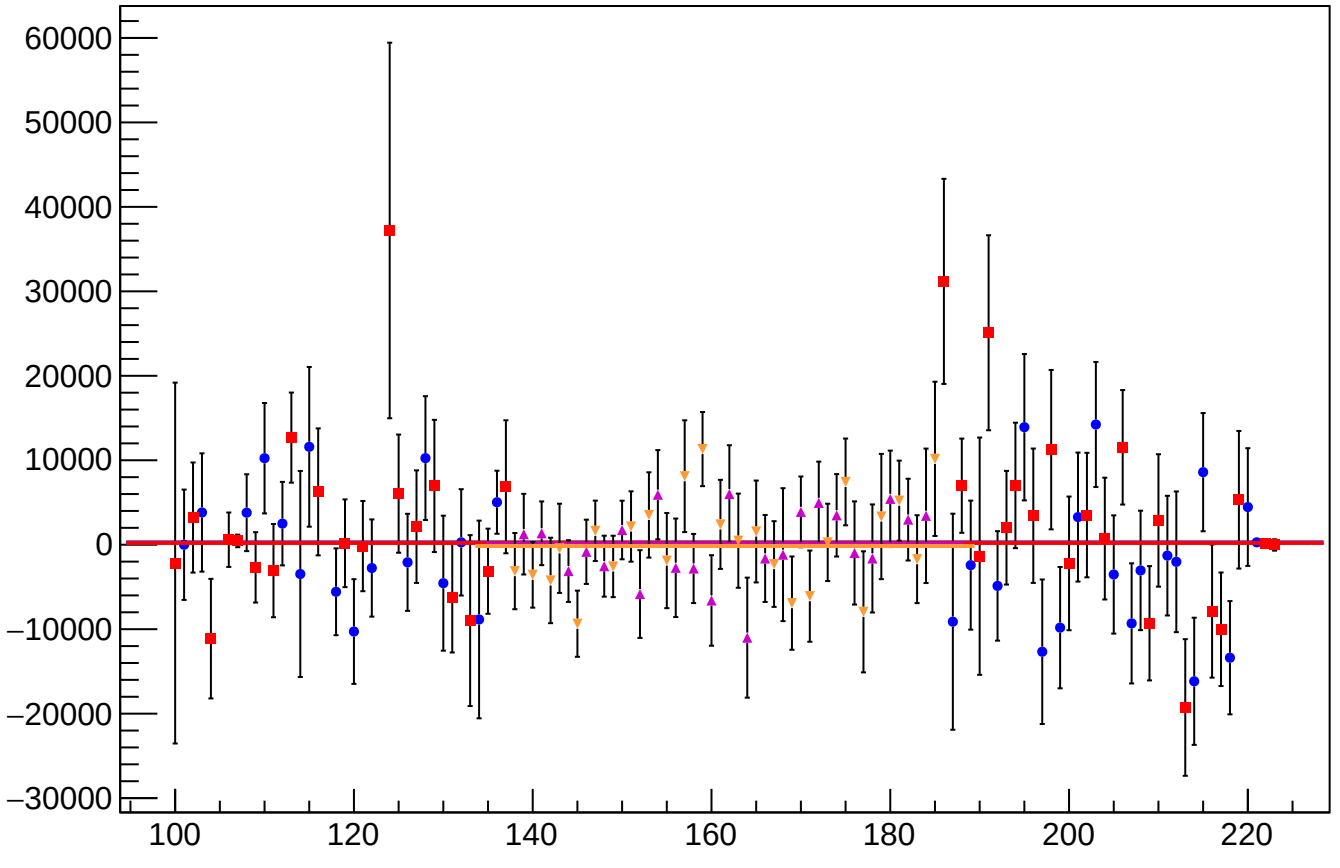
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1864.107+/-0.202 χ^2/NDF: 3025951.6/72

In: 1793.093+/-0.201 χ^2/NDF:420911.2/56

Out: 1789.442+/-0.199 χ^2/NDF:2980091.1/63

All: 1791.245+/-0.141 χ^2/NDF: 3401168.7/12



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

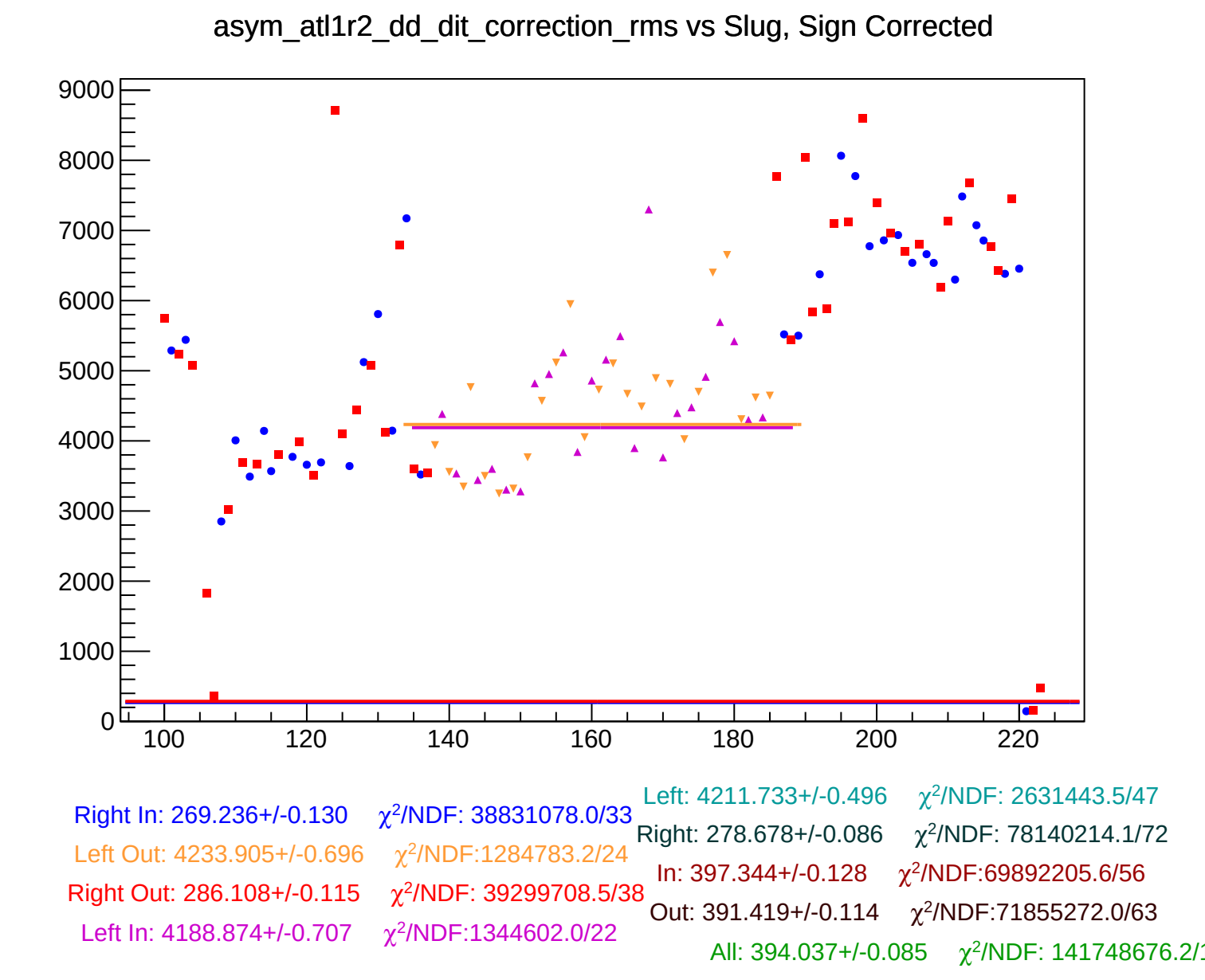
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

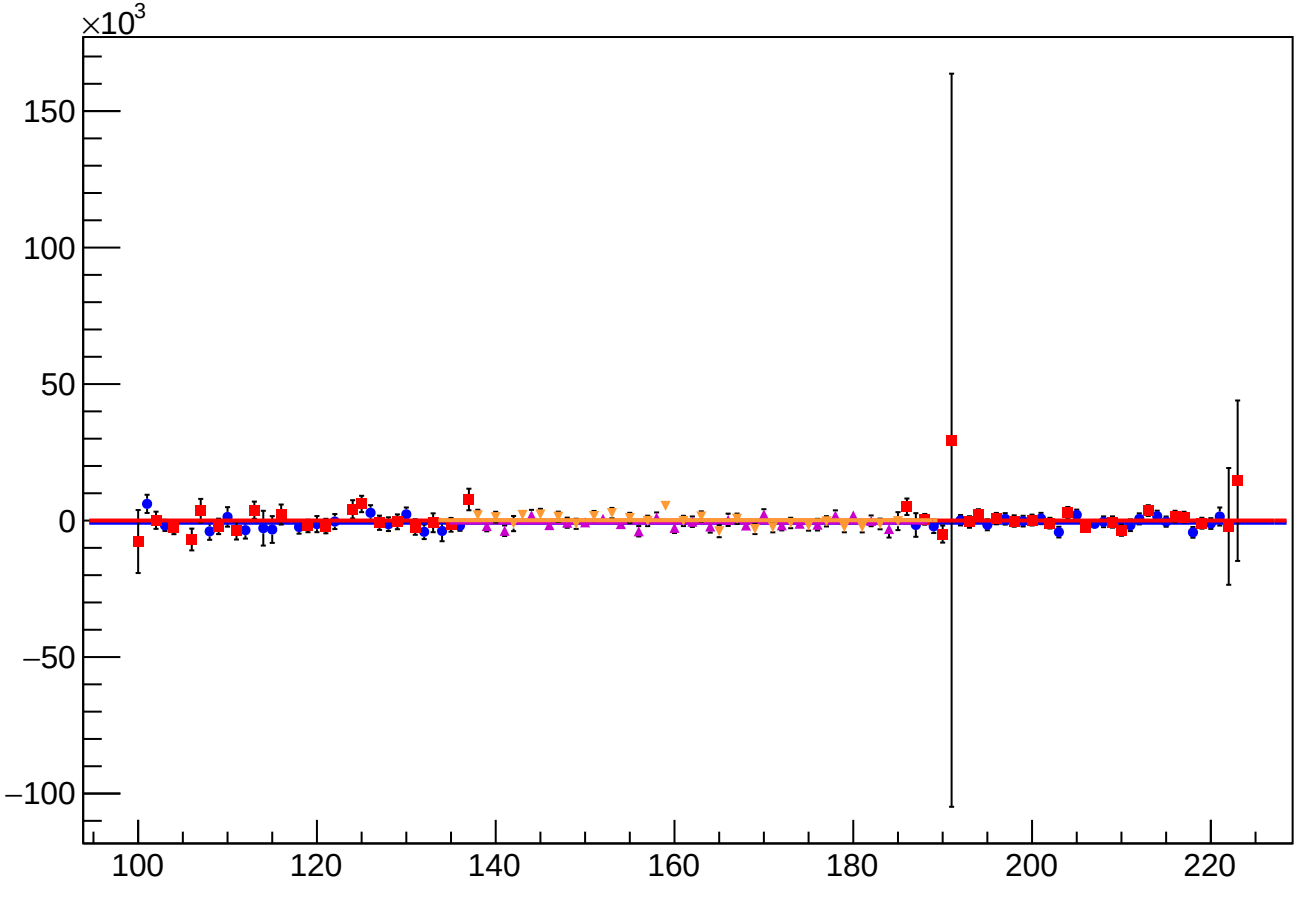
Right: 238.402+/-121.989 χ^2/NDF: 86.0/72

In: 261.756+/-180.805 χ^2/NDF:52.9/56

Out: 205.064+/-160.875 χ^2/NDF:74.1/63

All: 230.115+/-120.187 χ^2/NDF: 127.1/120


asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 269.236+/-0.130 χ²/NDF: 38831078.0/33
Left Out: 4233.905+/-0.696 χ²/NDF:1284783.2/24
Right Out: 286.108+/-0.115 χ²/NDF: 39299708.5/38
Left In: 4188.874+/-0.707 χ²/NDF:1344602.0/22
Left: 4211.733+/-0.496 χ²/NDF: 2631443.5/47
Right: 278.678+/-0.086 χ²/NDF: 78140214.1/72
In: 397.344+/-0.128 χ²/NDF:69892205.6/56
Out: 391.419+/-0.114 χ²/NDF:71855272.0/63
All: 394.037+/-0.085 χ²/NDF: 141748676.2/



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

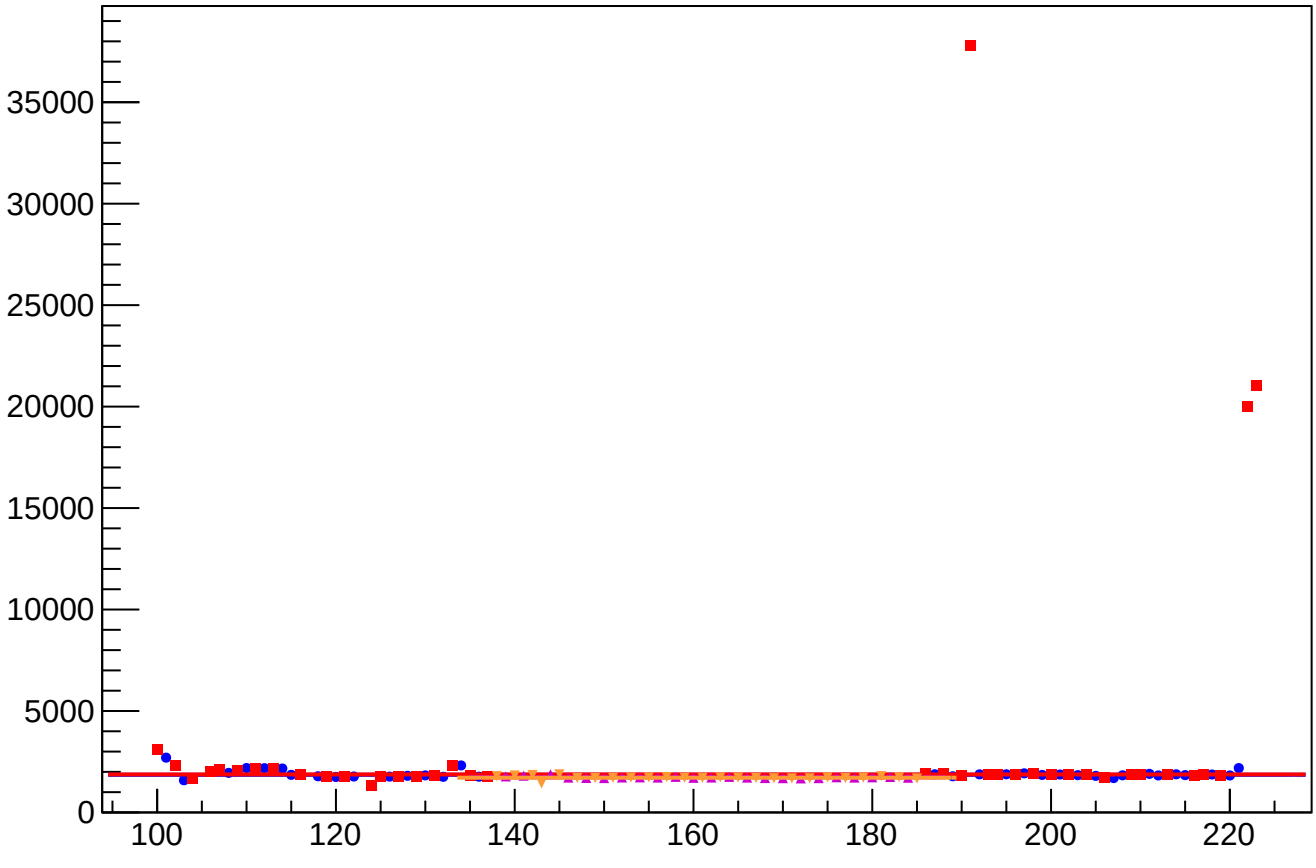
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -399.183+/-285.643 χ^2/NDF: 69.2/72

In: -771.522+/-284.792 χ^2/NDF:45.5/56

Out: 69.088+/-281.255 χ^2/NDF:70.5/63

All: -345.964+/-200.116 χ^2/NDF: 120.4/120



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

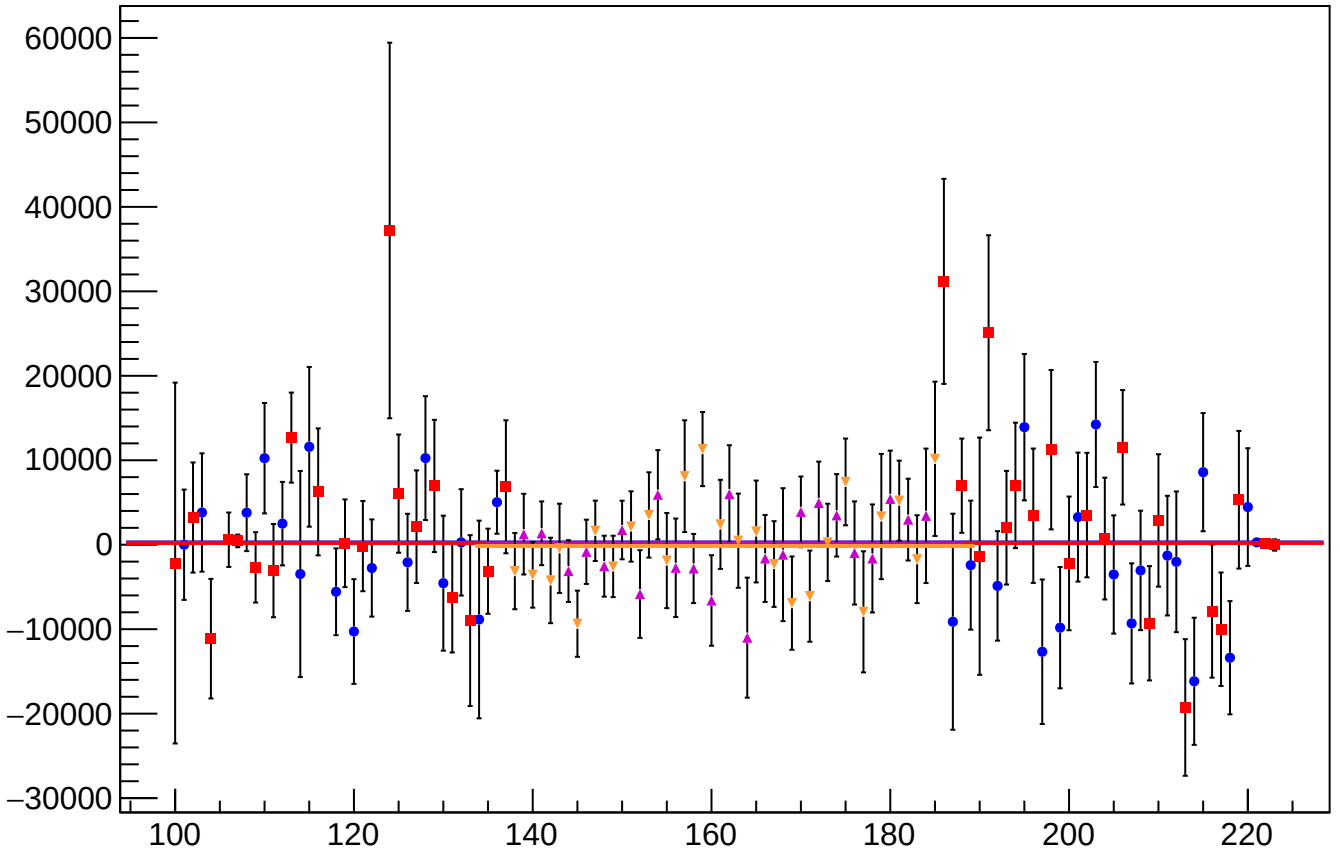
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1864.107+/-0.202 χ^2/NDF: 3025951.8/72

In: 1793.093+/-0.201 χ^2/NDF:420910.2/56

Out: 1789.443+/-0.199 χ^2/NDF:2980089.4/63

All: 1791.245+/-0.141 χ^2/NDF: 3401166.0/12



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

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

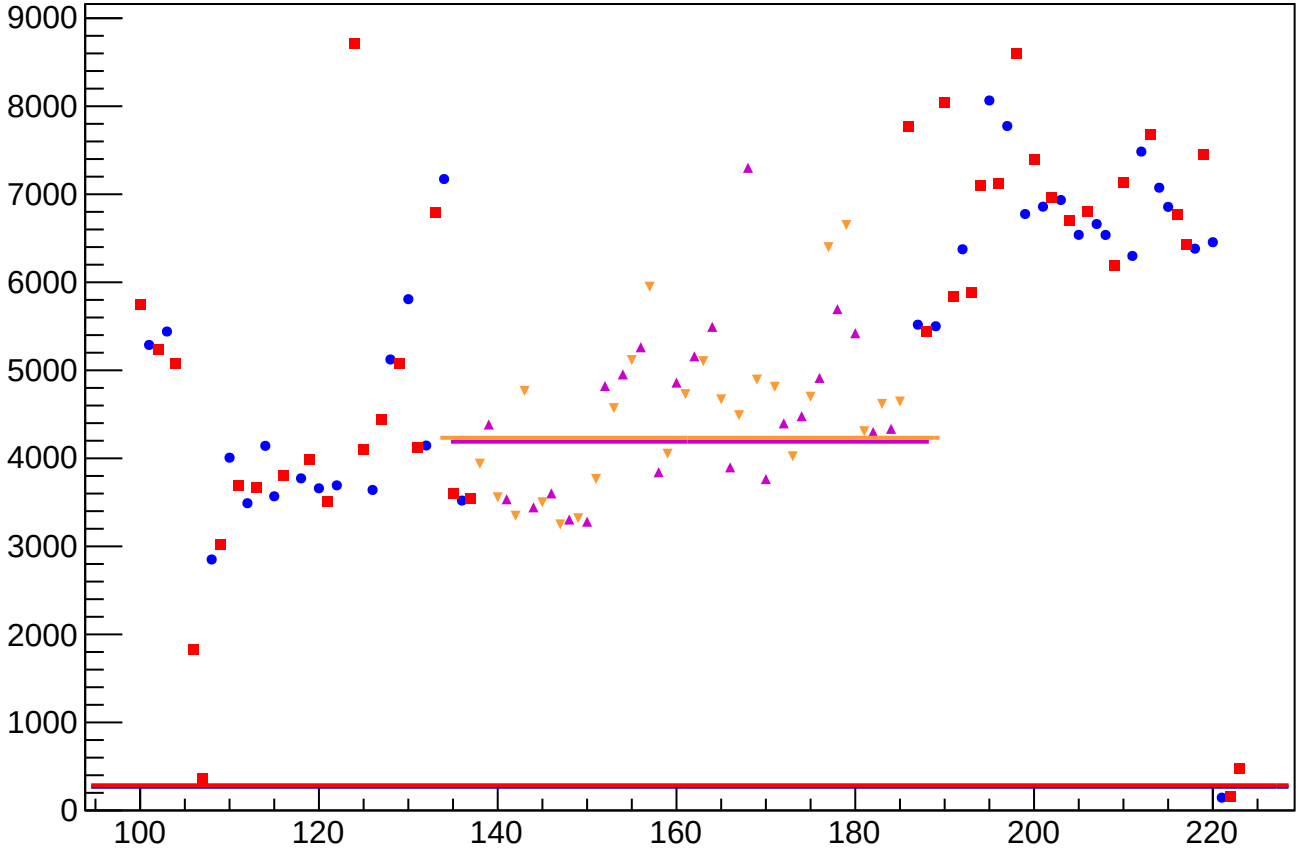
Right: 238.407+/-121.991 χ^2/NDF: 86.0/72

In: 261.761+/-180.808 χ^2/NDF:52.9/56

Out: 205.069+/-160.877 χ^2/NDF:74.1/63

All: 230.119+/-120.188 χ^2/NDF: 127.1/120

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

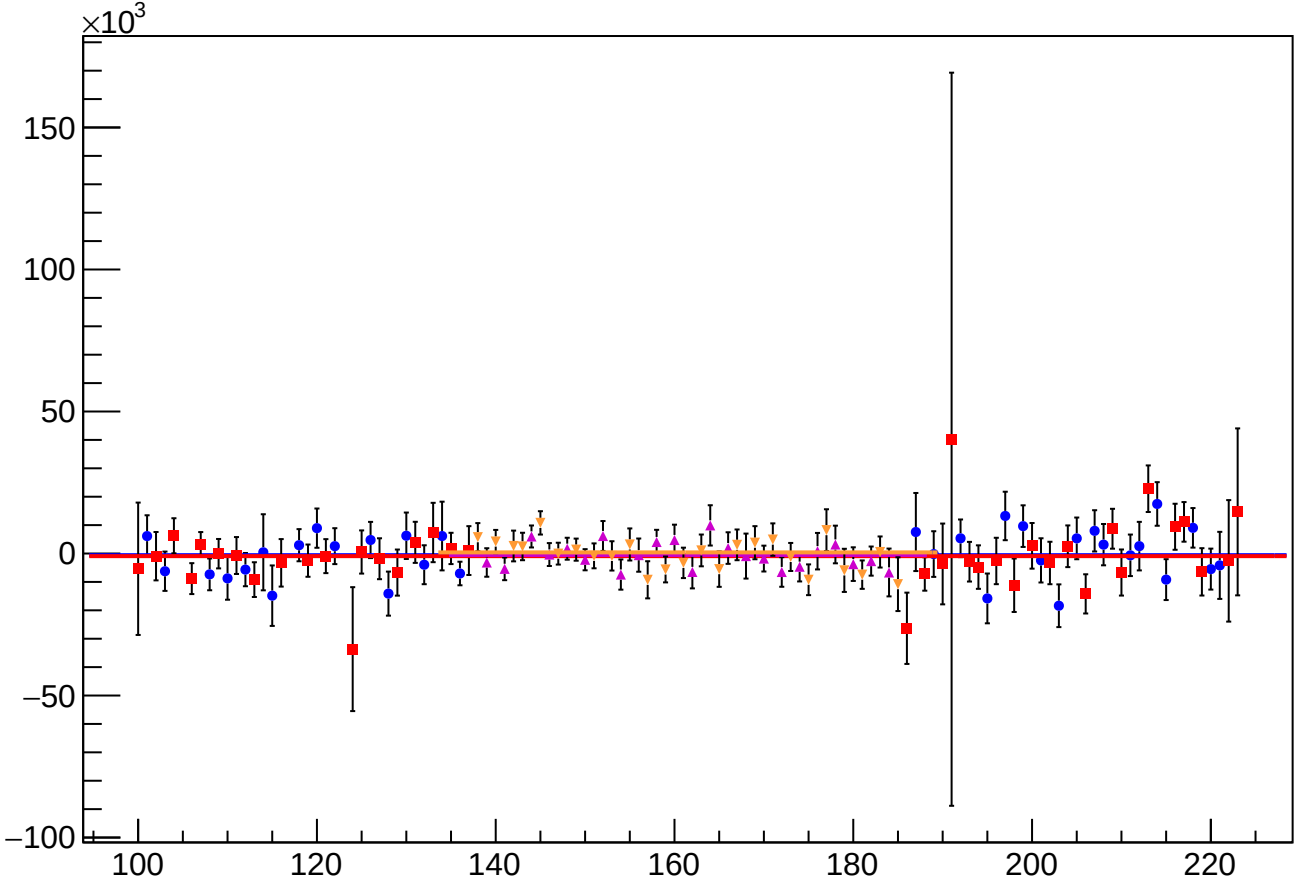
Right: 278.683+/-0.086 χ^2/NDF: 78140097.1/72

In: 397.354+/-0.128 χ^2/NDF:69892015.8/56

Out: 391.424+/-0.114 χ^2/NDF:71855159.8/63

All: 394.044+/-0.085 χ^2/NDF: 141748376.2/

asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

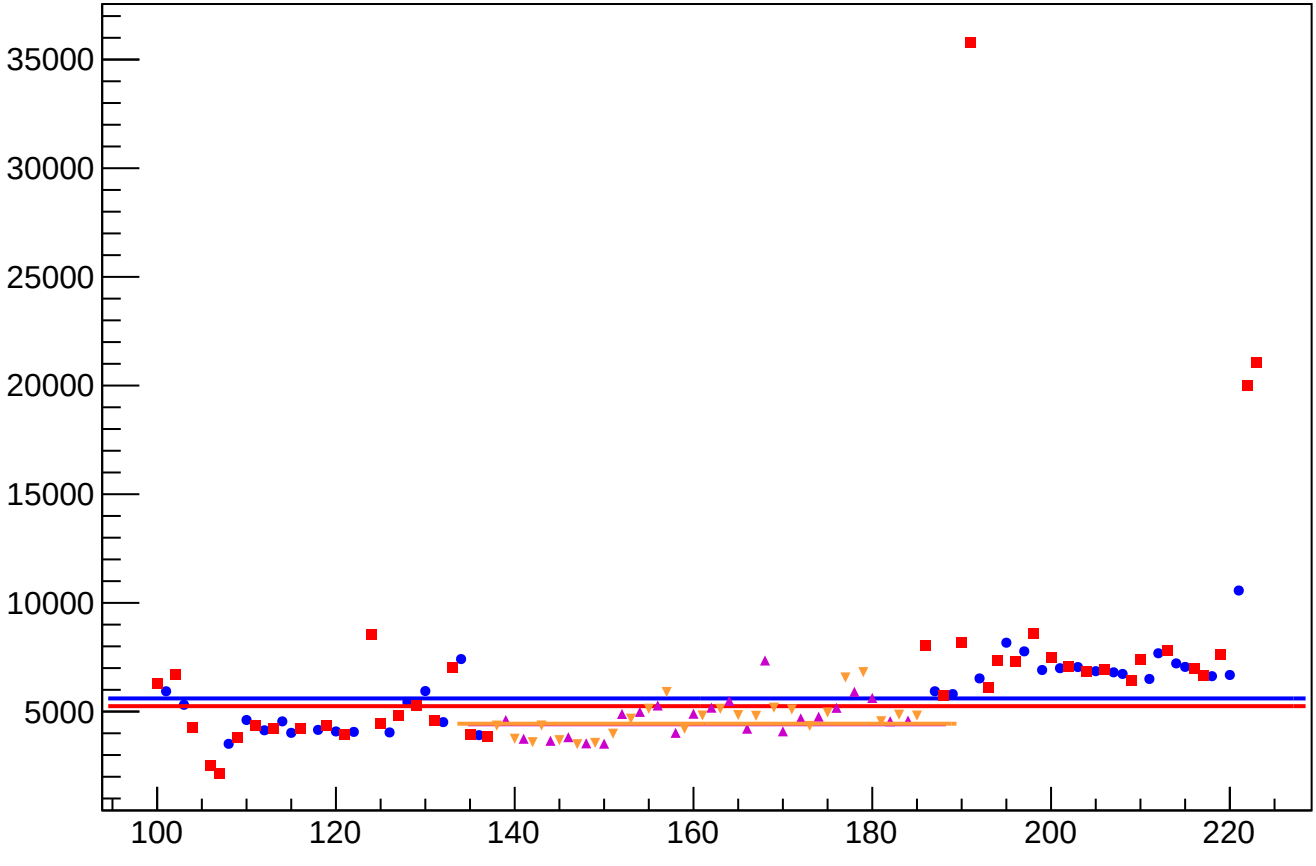
Right: -760.382+/-861.817 χ^2/NDF: 80.8/72

In: -535.859+/-801.893 χ^2/NDF:60.2/56

Out: -164.404+/-779.846 χ^2/NDF:63.3/63

All: -344.955+/-559.066 χ^2/NDF: 123.7/120

asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

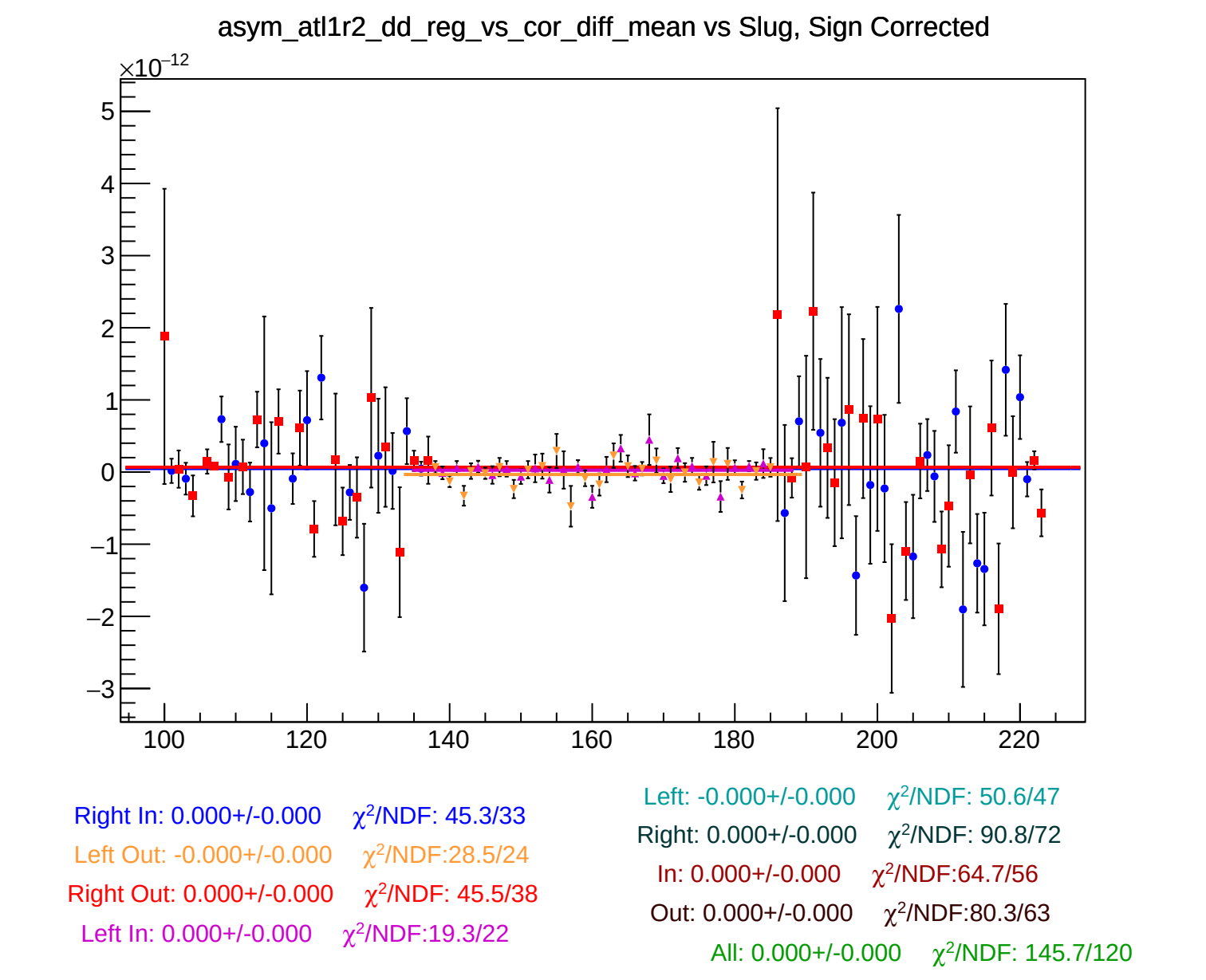
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

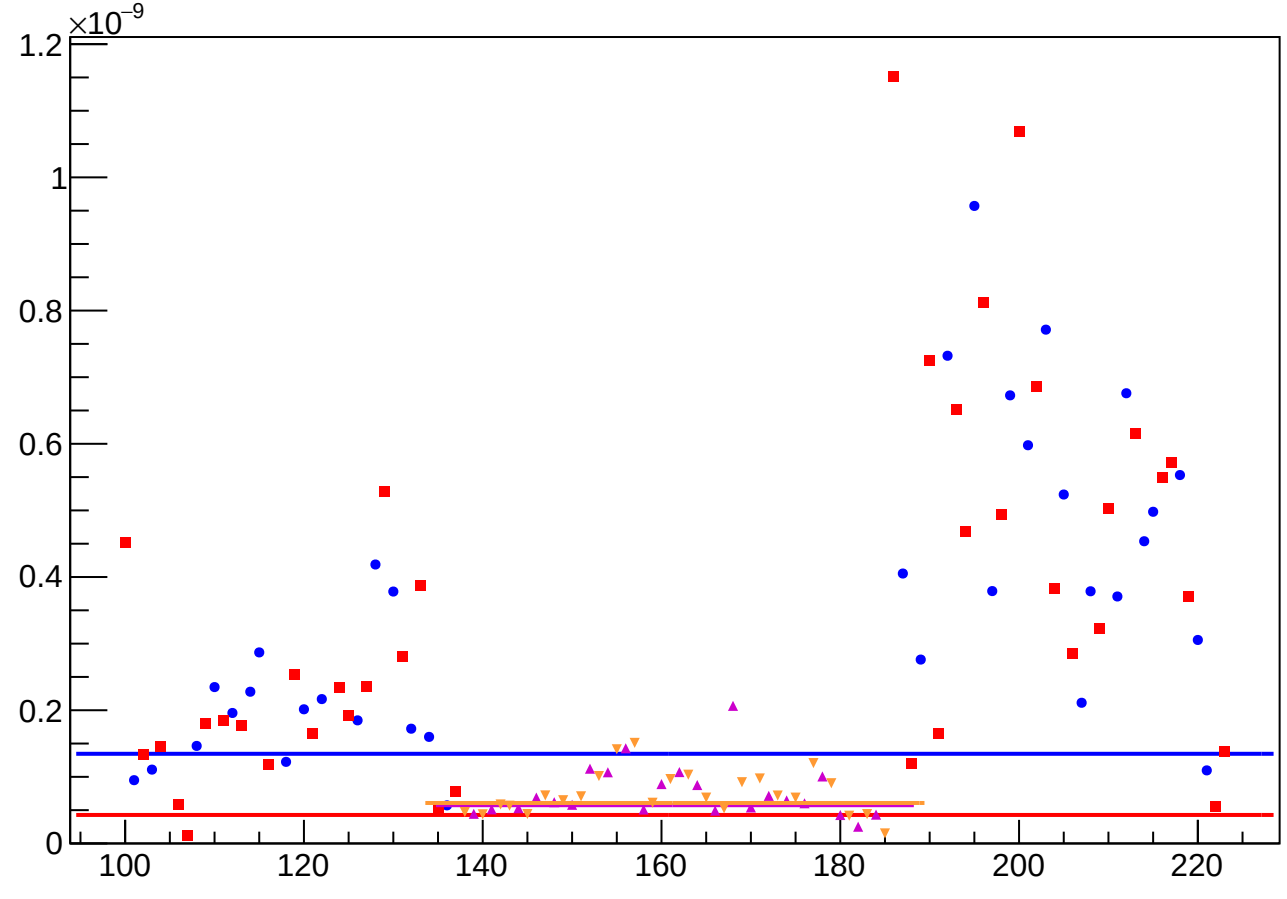
Right: 5418.034+/-0.608 χ^2/NDF: 9065695.6/72

In: 4910.142+/-0.567 χ^2/NDF:5042197.6/56

Out: 4786.287+/-0.550 χ^2/NDF:7717156.0/63

All: 4846.331+/-0.395 χ^2/NDF: 12783935.1/1


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 45.3/33
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.5/38
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: -0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 90.8/72
In: 0.000+/-0.000 χ²/NDF:64.7/56
Out: 0.000+/-0.000 χ²/NDF:80.3/63
All: 0.000+/-0.000 χ²/NDF: 145.7/120



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

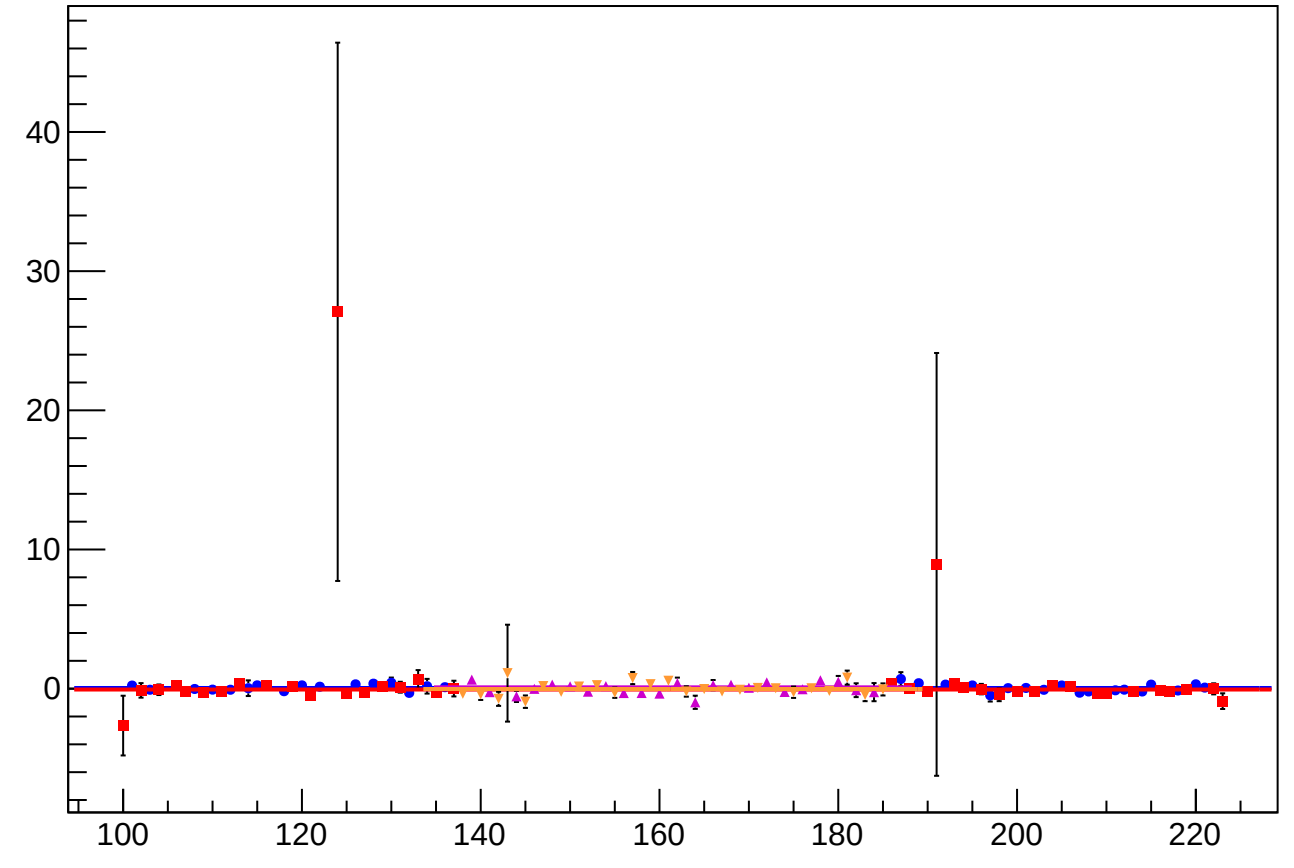
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 25767423.3/72

In: 0.000+/-0.000 χ^2/NDF:12717913.4/56

Out: 0.000+/-0.000 χ^2/NDF:16244079.7/63

All: 0.000+/-0.000 χ^2/NDF: 29399771.9/120



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

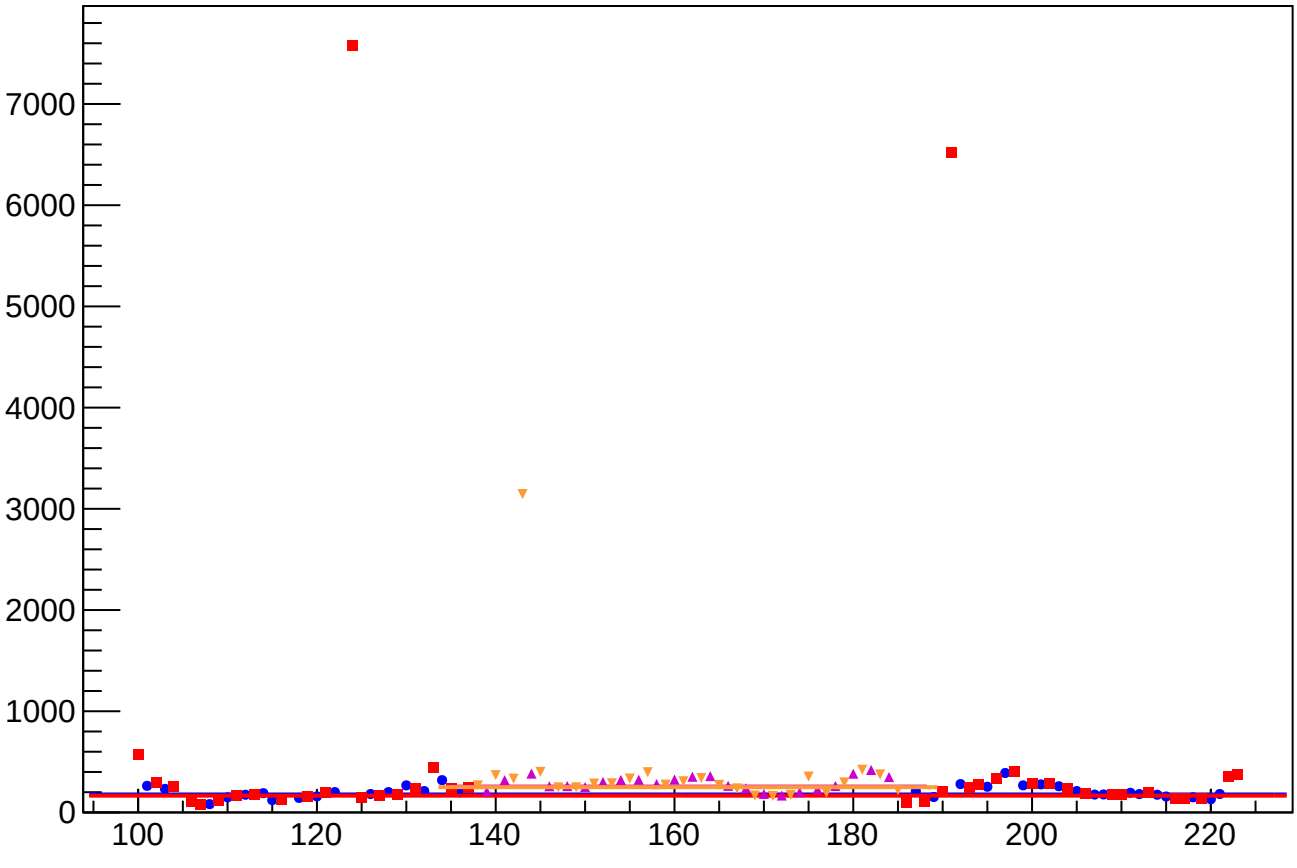
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.009+/-0.028 χ^2/NDF: 73.2/72

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.051+/-0.033 χ^2/NDF:63.7/63

All: 0.004+/-0.024 χ^2/NDF: 130.8/120



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

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

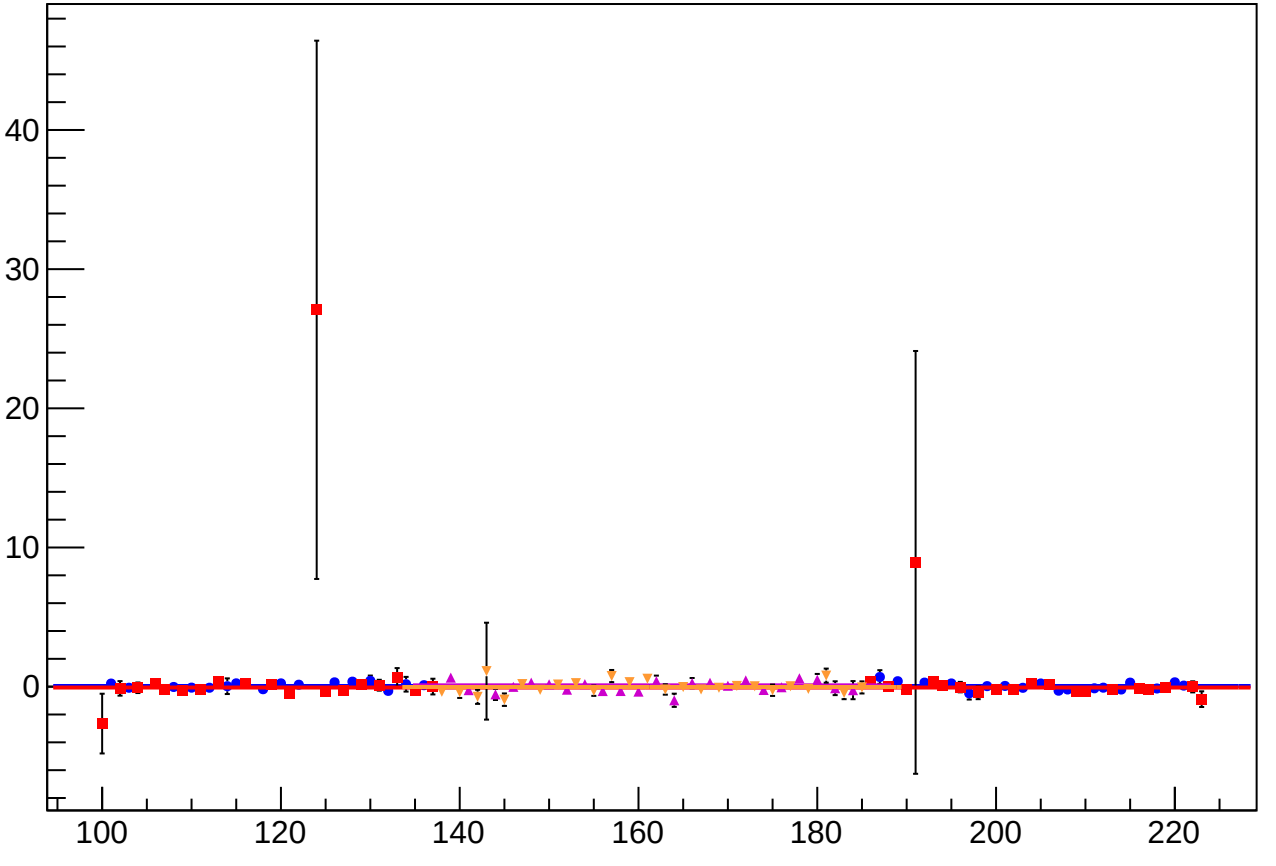
Right: 171.582+/-0.020 χ^2/NDF: 9682140.5/72

In: 200.329+/-0.024 χ^2/NDF:7620669.9/56

Out: 189.906+/-0.023 χ^2/NDF:13121322.7/63

All: 194.930+/-0.017 χ^2/NDF: 20838886.2/12

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

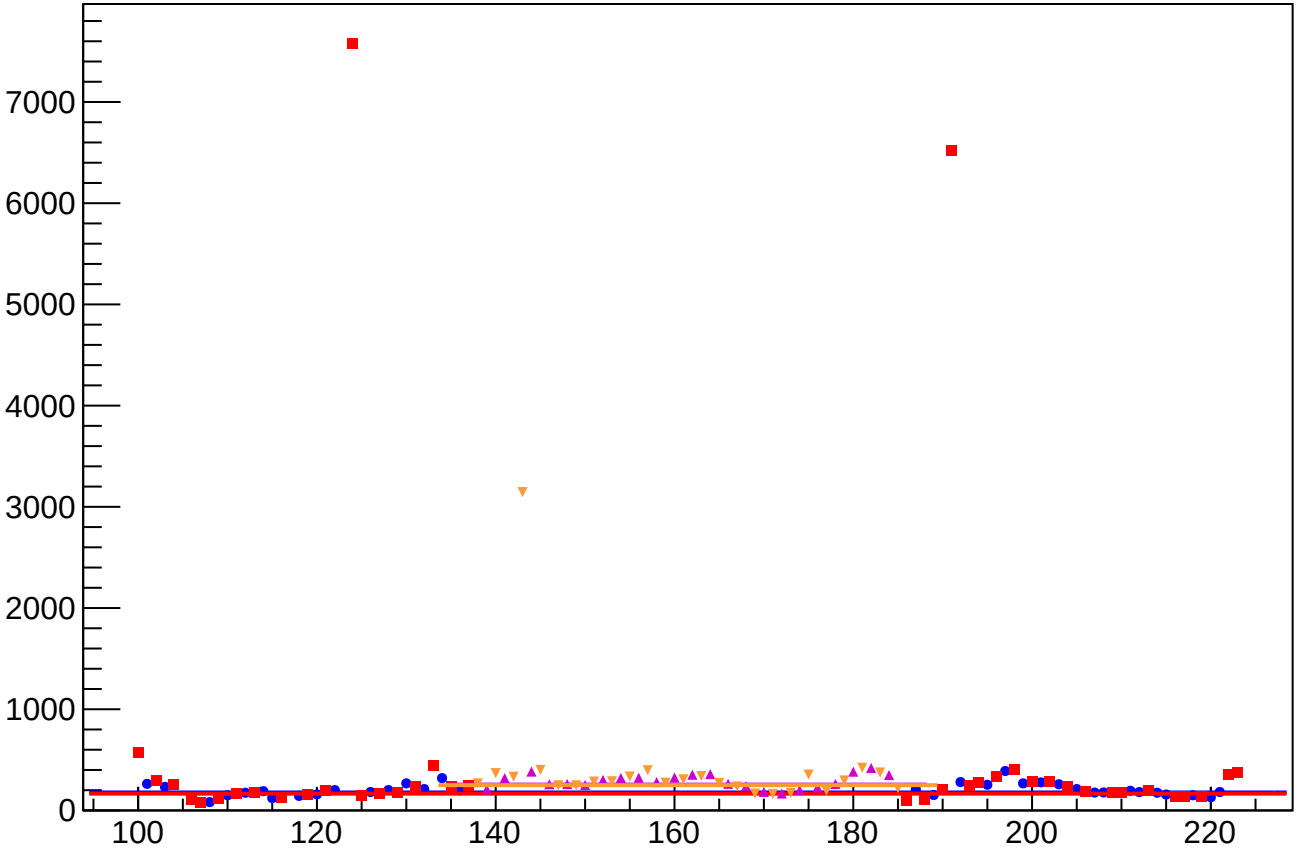
Right: -0.009+/-0.028 χ^2/NDF: 73.2/72

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.051+/-0.033 χ^2/NDF:63.7/63

All: 0.004+/-0.024 χ^2/NDF: 130.8/120

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

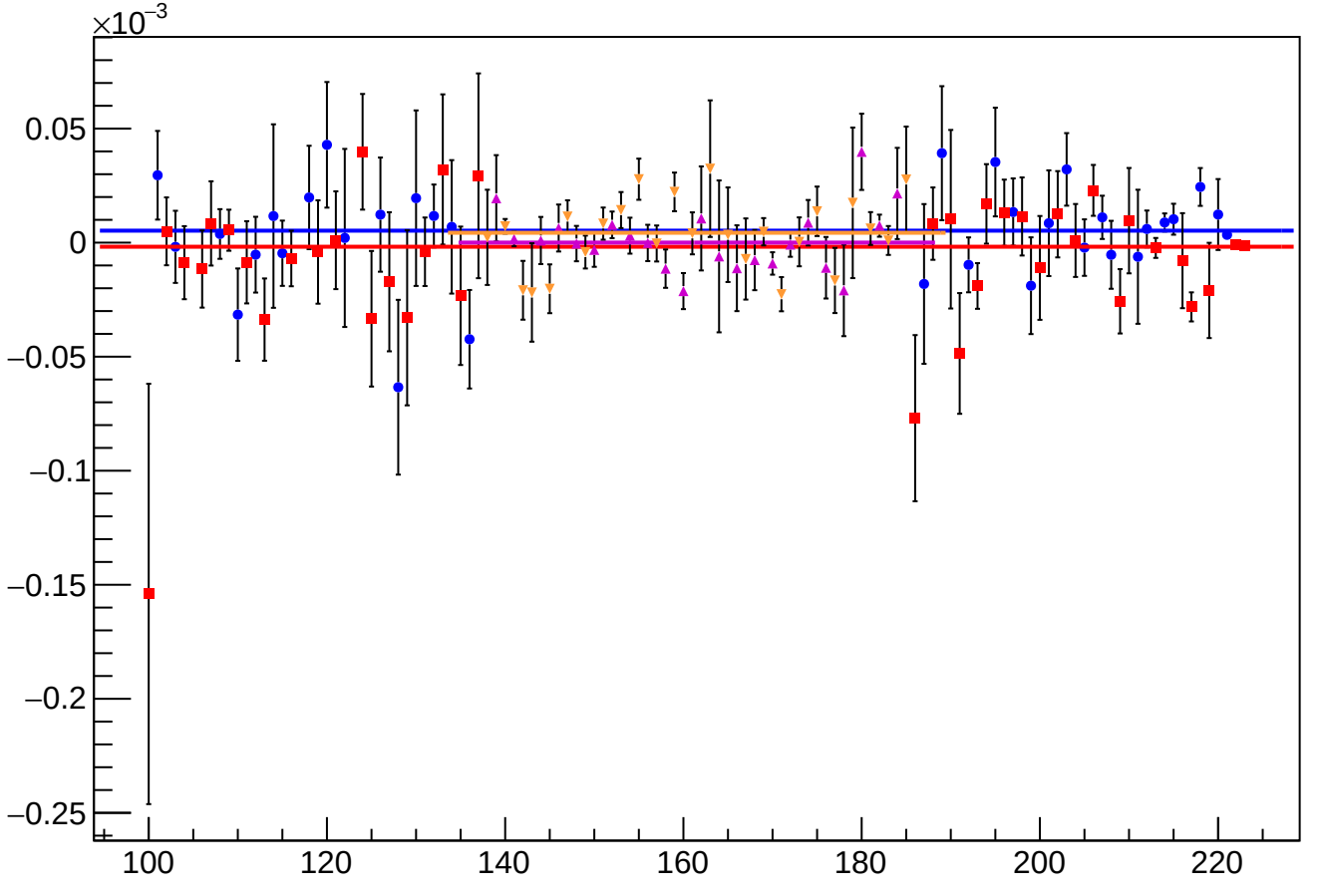
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 171.582+/-0.020 χ^2/NDF: 9682140.5/72

In: 200.329+/-0.024 χ^2/NDF:7620669.9/56

Out: 189.906+/-0.023 χ^2/NDF:13121322.7/63

All: 194.930+/-0.017 χ^2/NDF: 20838886.2/12



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

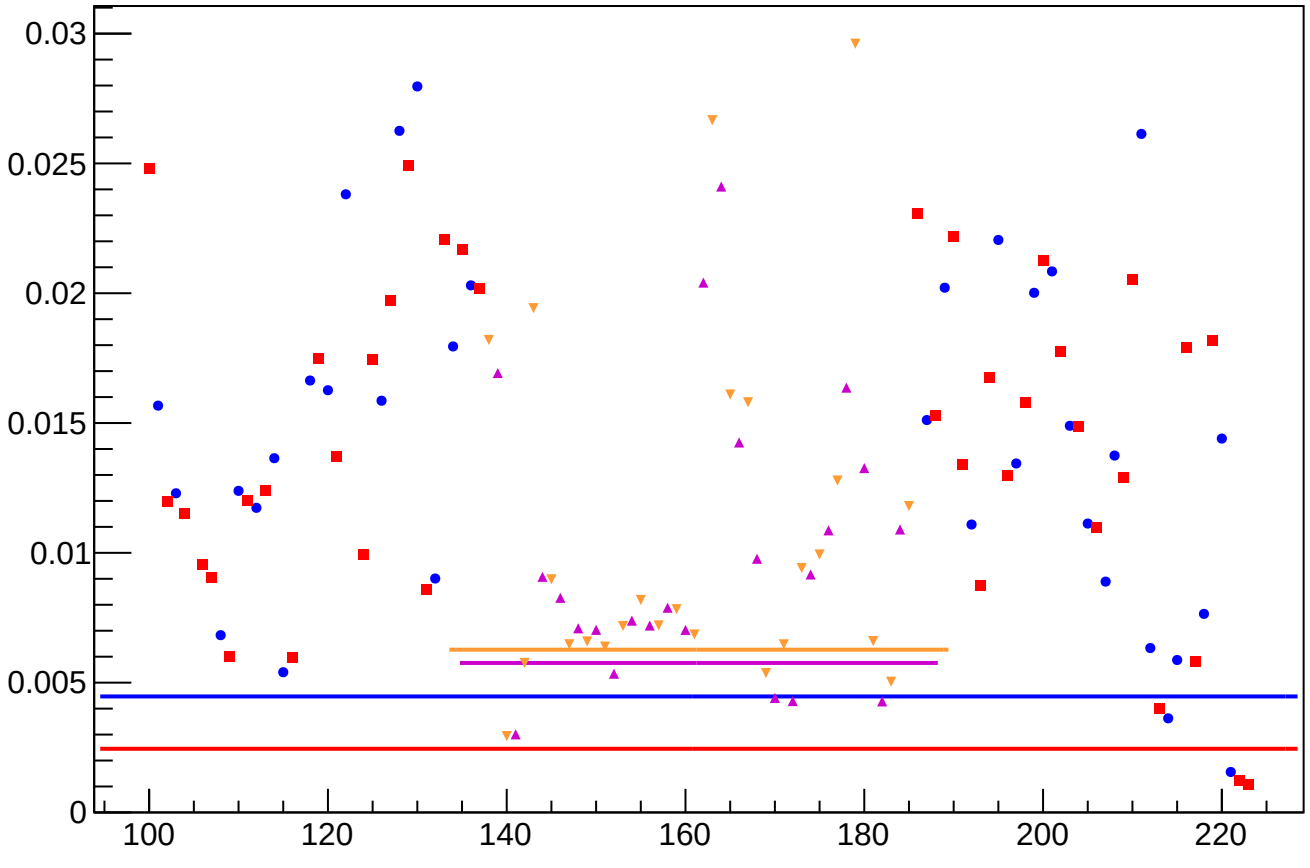
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 108.4/72

In: 0.000+/-0.000 χ^2/NDF:70.5/56

Out: -0.000+/-0.000 χ^2/NDF:112.4/63

All: 0.000+/-0.000 χ^2/NDF: 188.7/120



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

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

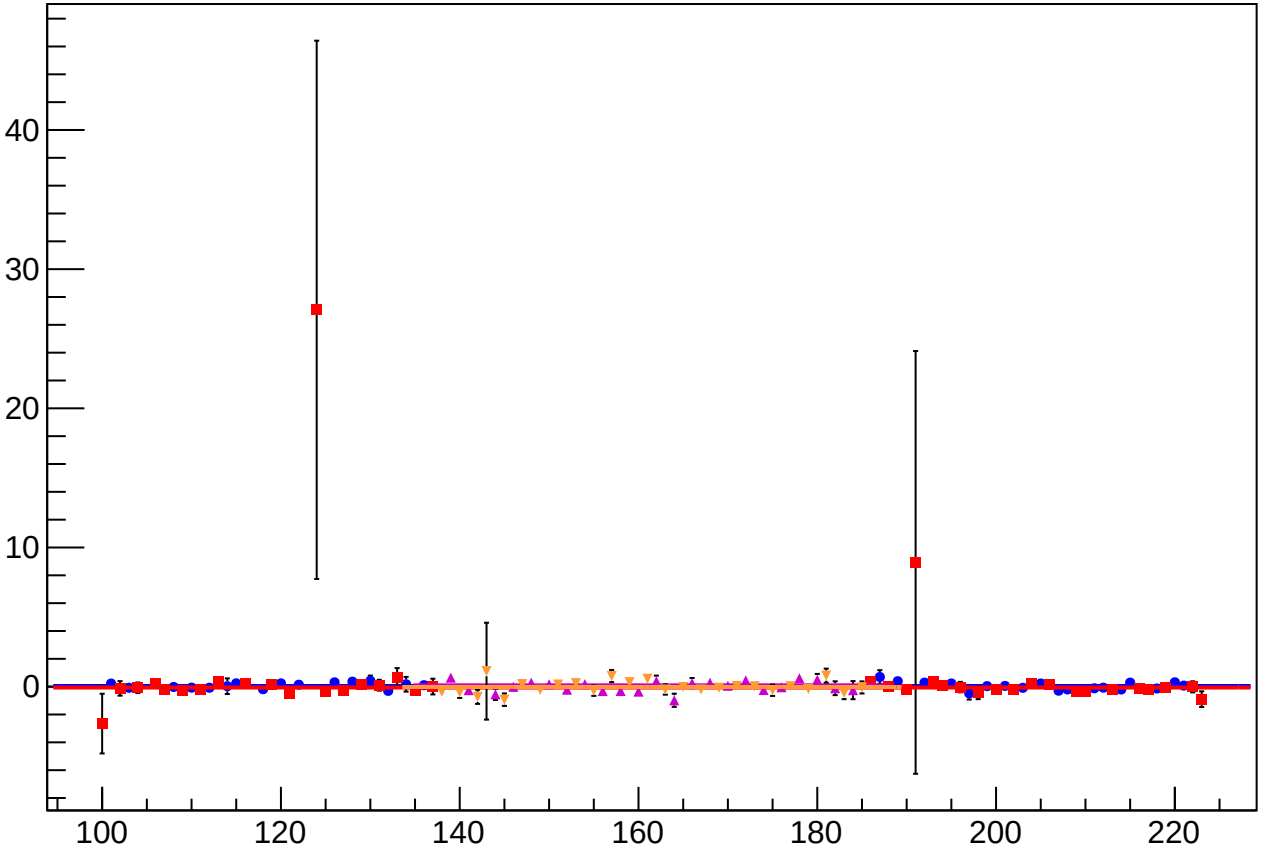
Right: 0.003+/-0.000 χ^2/NDF: 55276407.0/72

In: 0.005+/-0.000 χ^2/NDF:29957610.3/56

Out: 0.003+/-0.000 χ^2/NDF:46374057.6/63

All: 0.004+/-0.000 χ^2/NDF: 79503636.1/120

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

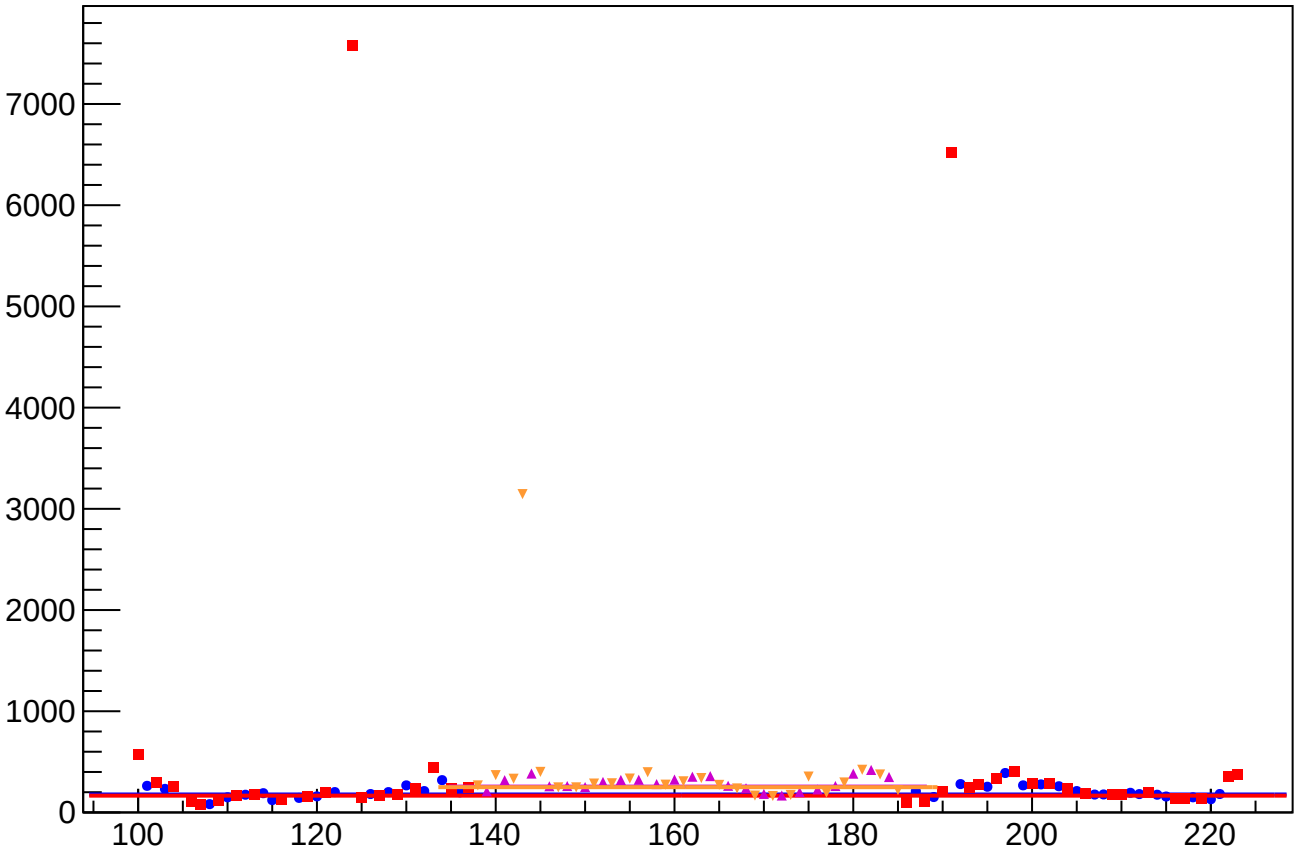
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.009+/-0.028 χ^2/NDF: 73.2/72

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.051+/-0.033 χ^2/NDF:63.6/63

All: 0.004+/-0.024 χ^2/NDF: 130.8/120



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

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

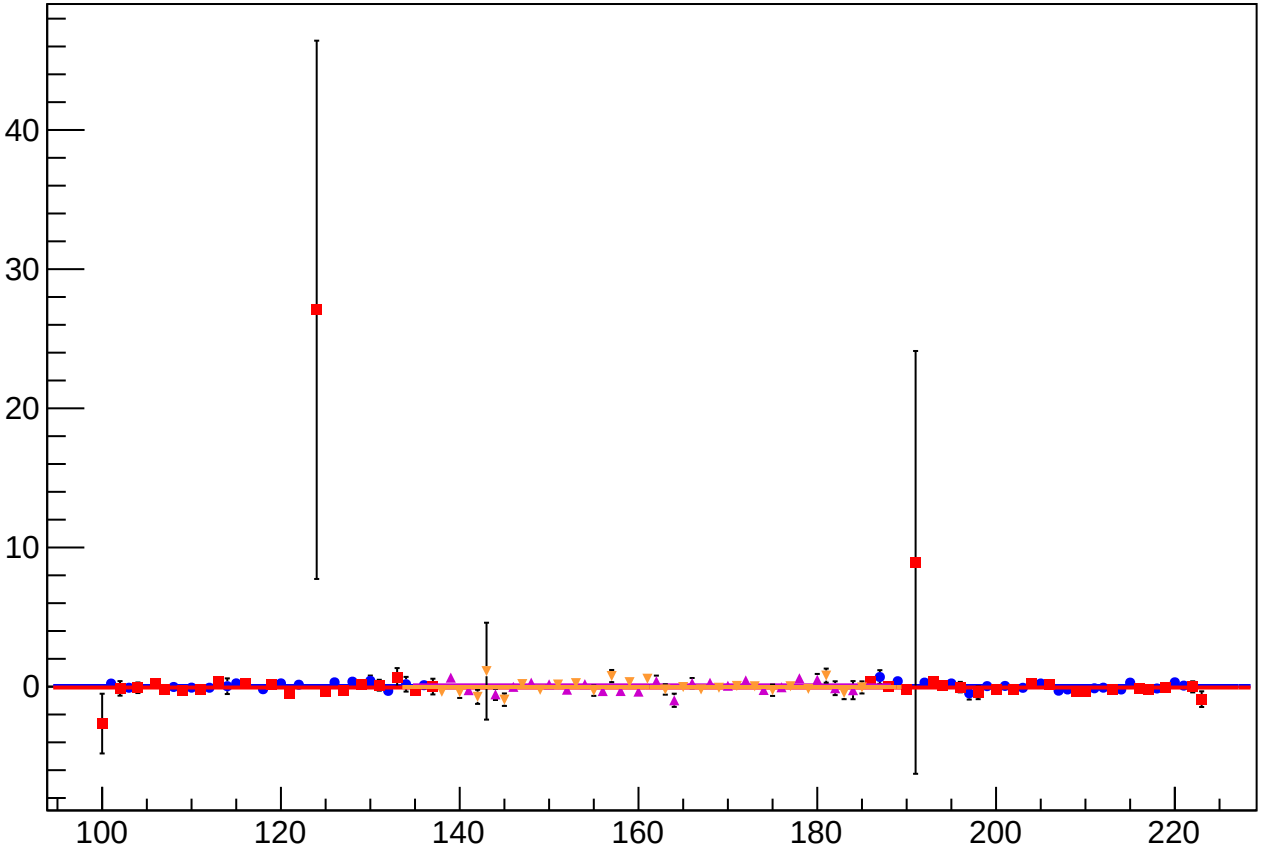
Right: 171.583+/-0.020 χ^2/NDF: 9682023.4/72

In: 200.328+/-0.024 χ^2/NDF:7620961.3/56

Out: 189.908+/-0.023 χ^2/NDF:13121173.4/63

All: 194.931+/-0.017 χ^2/NDF: 20838979.3/12

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

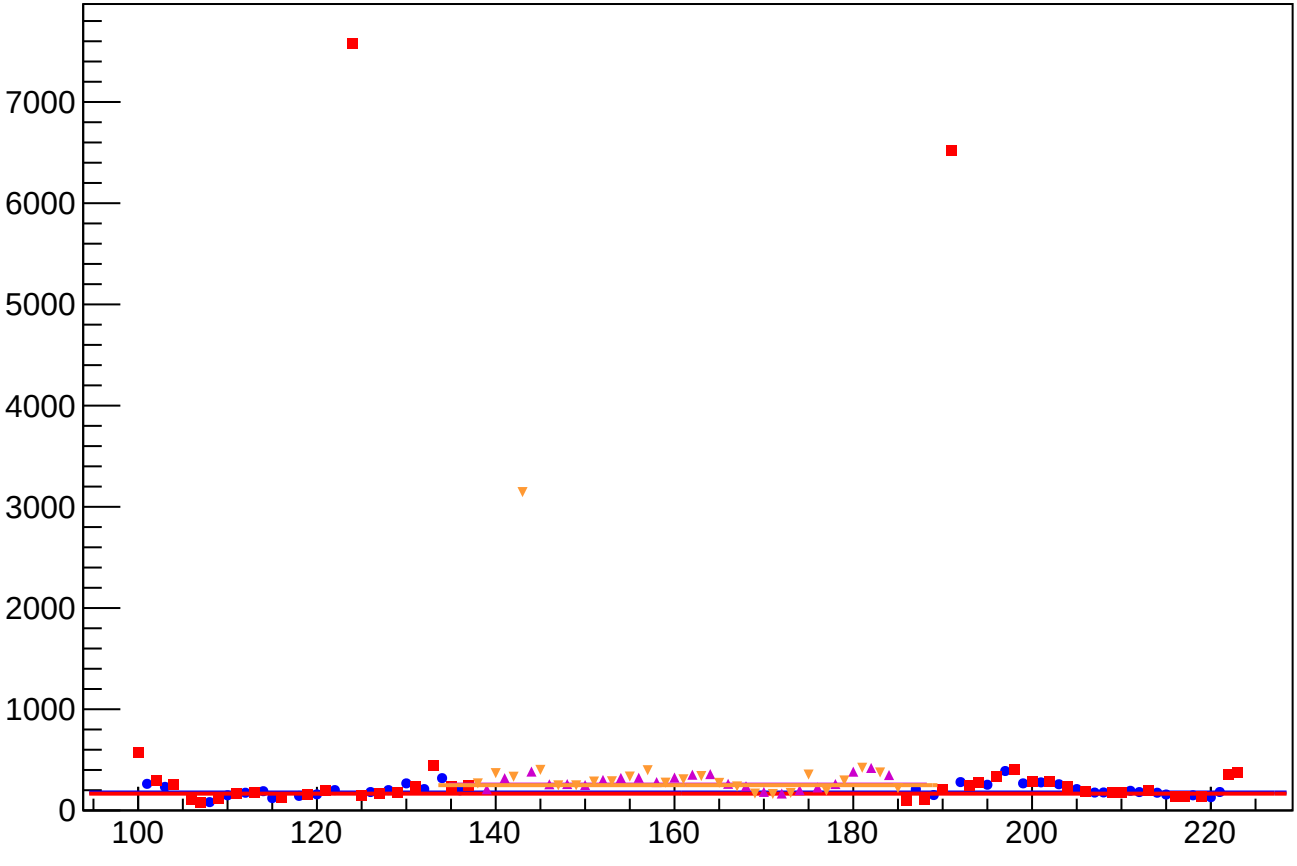
Right: -0.009+/-0.028 χ^2/NDF: 73.2/72

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.051+/-0.033 χ^2/NDF:63.6/63

All: 0.004+/-0.024 χ^2/NDF: 130.8/120

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

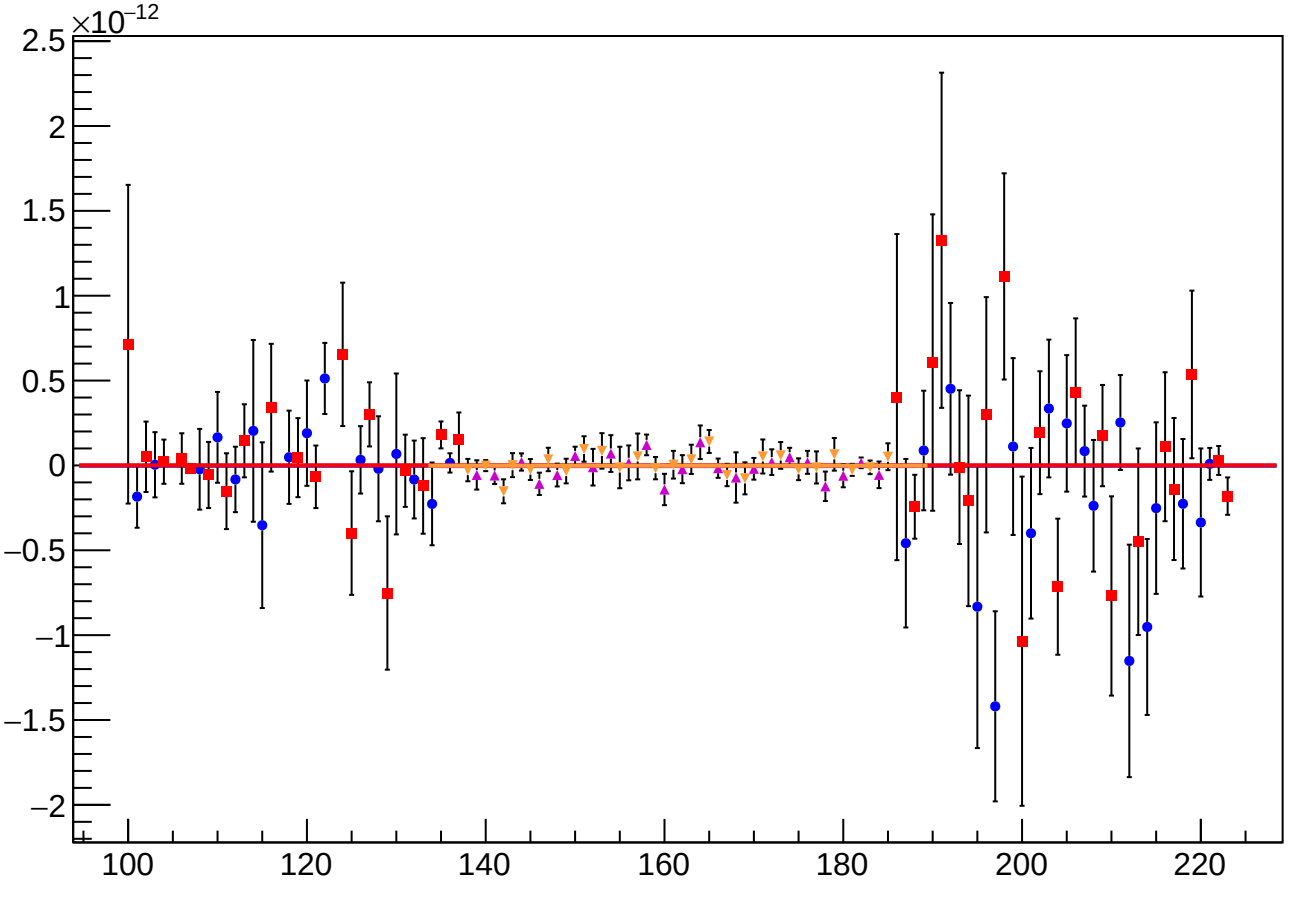
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 171.583+/-0.020 χ^2/NDF: 9682023.4/72

In: 200.328+/-0.024 χ^2/NDF:7620961.3/56

Out: 189.908+/-0.023 χ^2/NDF:13121173.4/63

All: 194.931+/-0.017 χ^2/NDF: 20838979.3/12



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

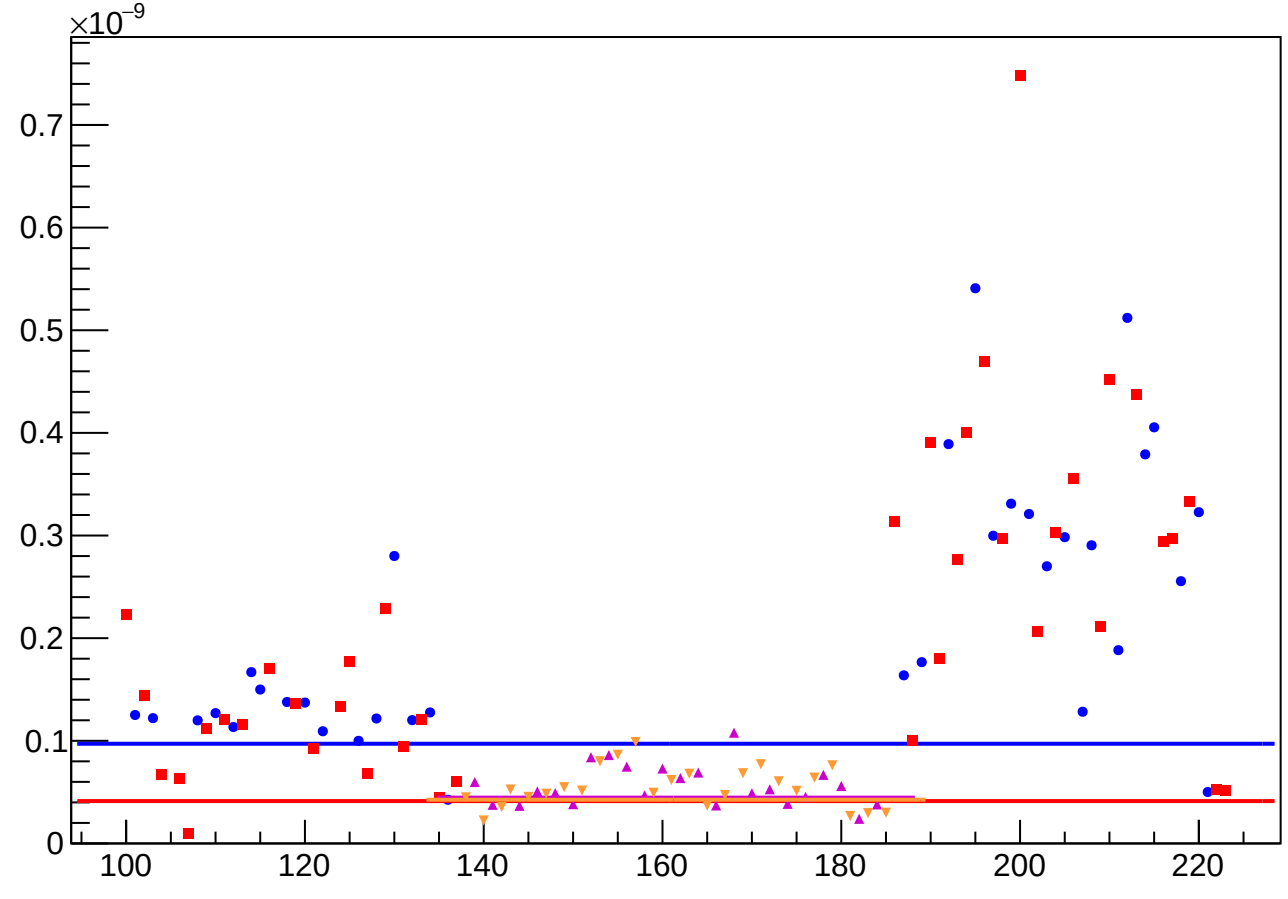
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 68.1/72

In: -0.000+/-0.000 χ^2/NDF:49.2/56

Out: -0.000+/-0.000 χ^2/NDF:55.1/63

All: -0.000+/-0.000 χ^2/NDF: 104.3/120



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

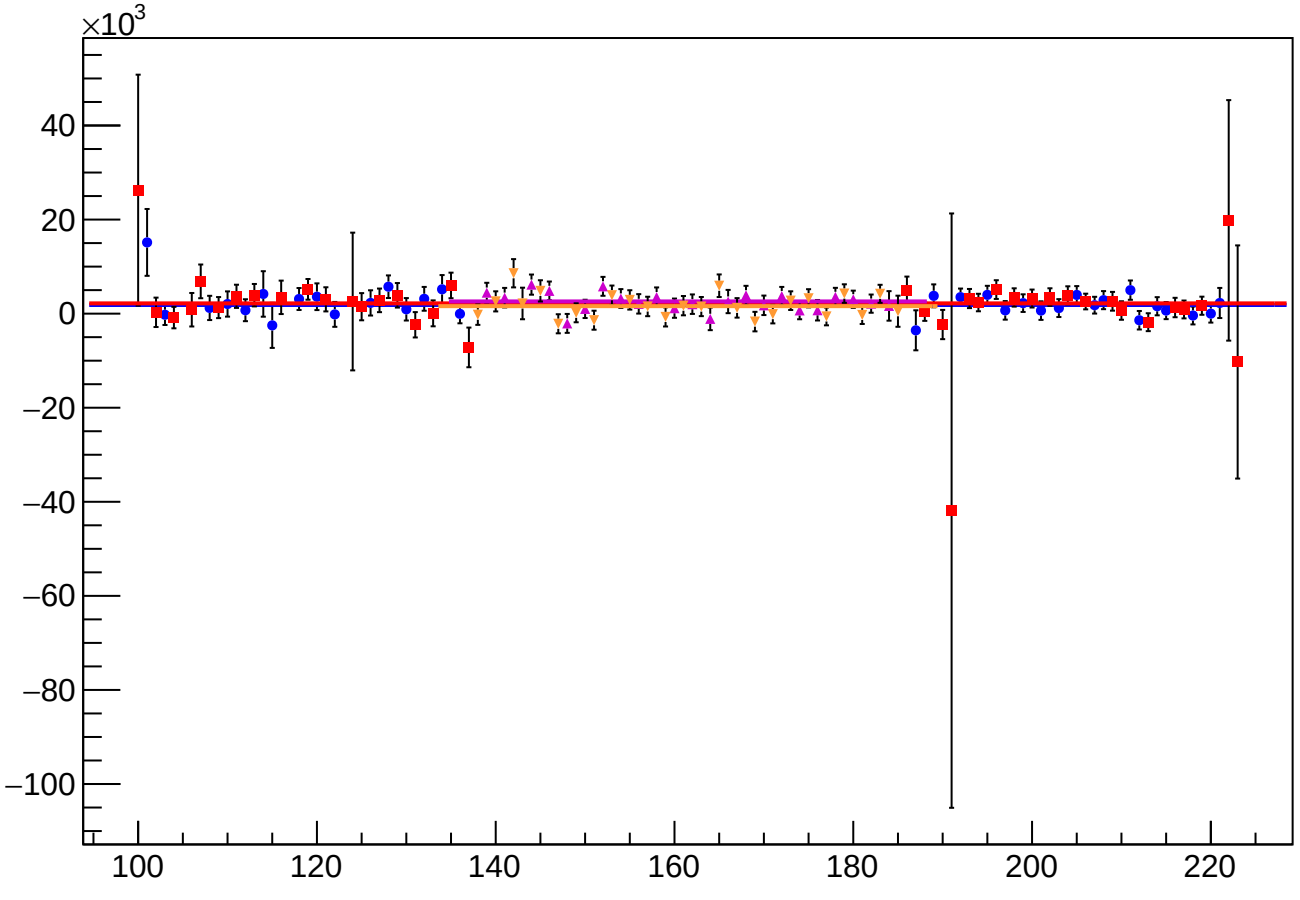
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 30786223.7/72

In: 0.000+/-0.000 χ^2/NDF:16538394.5/56

Out: 0.000+/-0.000 χ^2/NDF:20920034.8/63

All: 0.000+/-0.000 χ^2/NDF: 38014932.3/120



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

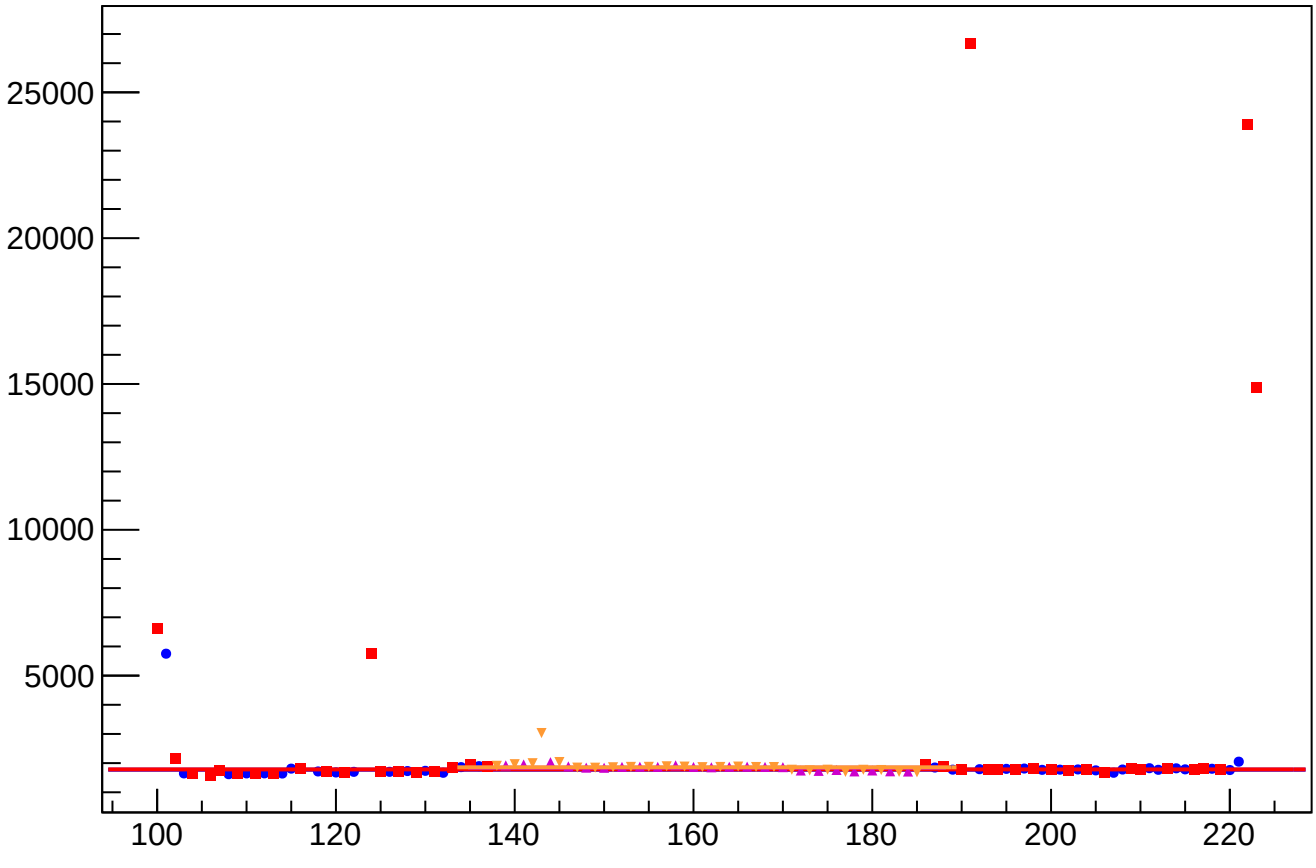
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2012.318+/-274.043 χ^2/NDF: 61.4/72

In: 2179.761+/-287.422 χ^2/NDF:48.6/56

Out: 1913.224+/-286.386 χ^2/NDF:66.5/63

All: 2046.011+/-202.871 χ^2/NDF: 115.6/120



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

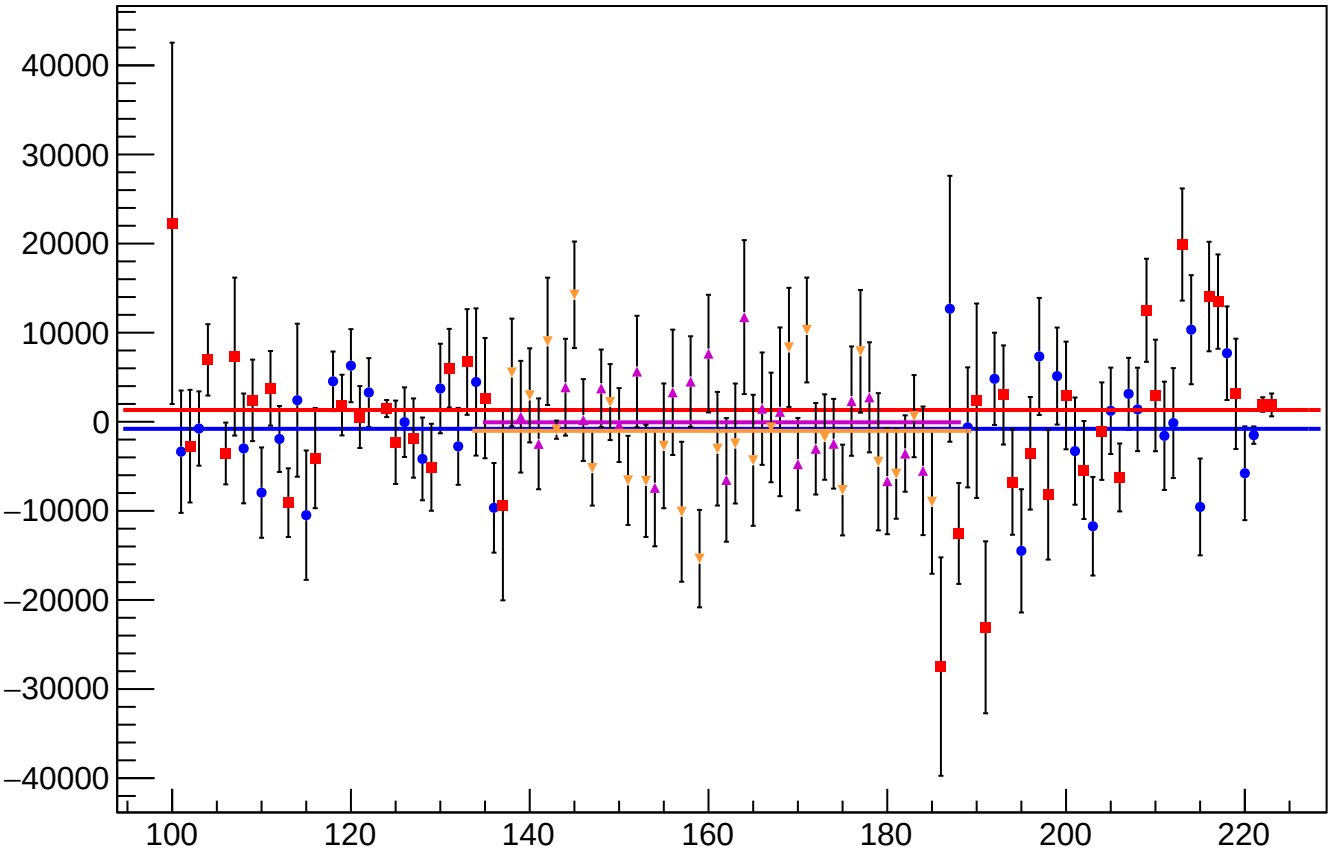
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1779.155+/-0.194 χ^2/NDF: 3408369.1/72

In: 1804.091+/-0.203 χ^2/NDF:797879.4/56

Out: 1816.652+/-0.202 χ^2/NDF:3062755.3/63

All: 1810.403+/-0.143 χ^2/NDF: 3862554.4/12



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

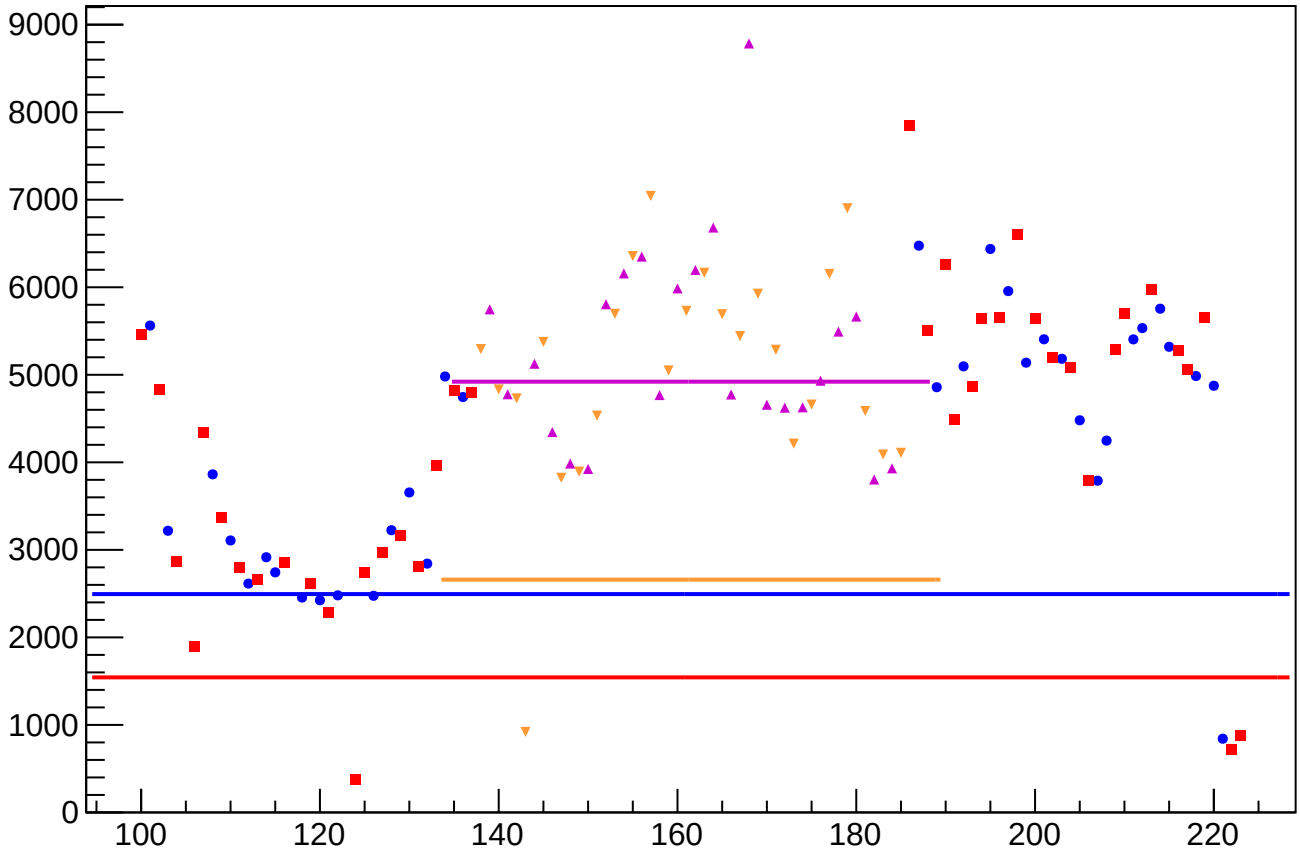
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 602.811+/-382.474 χ^2/NDF: 118.1/72

In: -618.975+/-572.935 χ^2/NDF:53.4/56

Out: 686.222+/-401.790 χ^2/NDF:111.7/63

All: 255.941+/-328.961 χ^2/NDF: 168.5/120



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

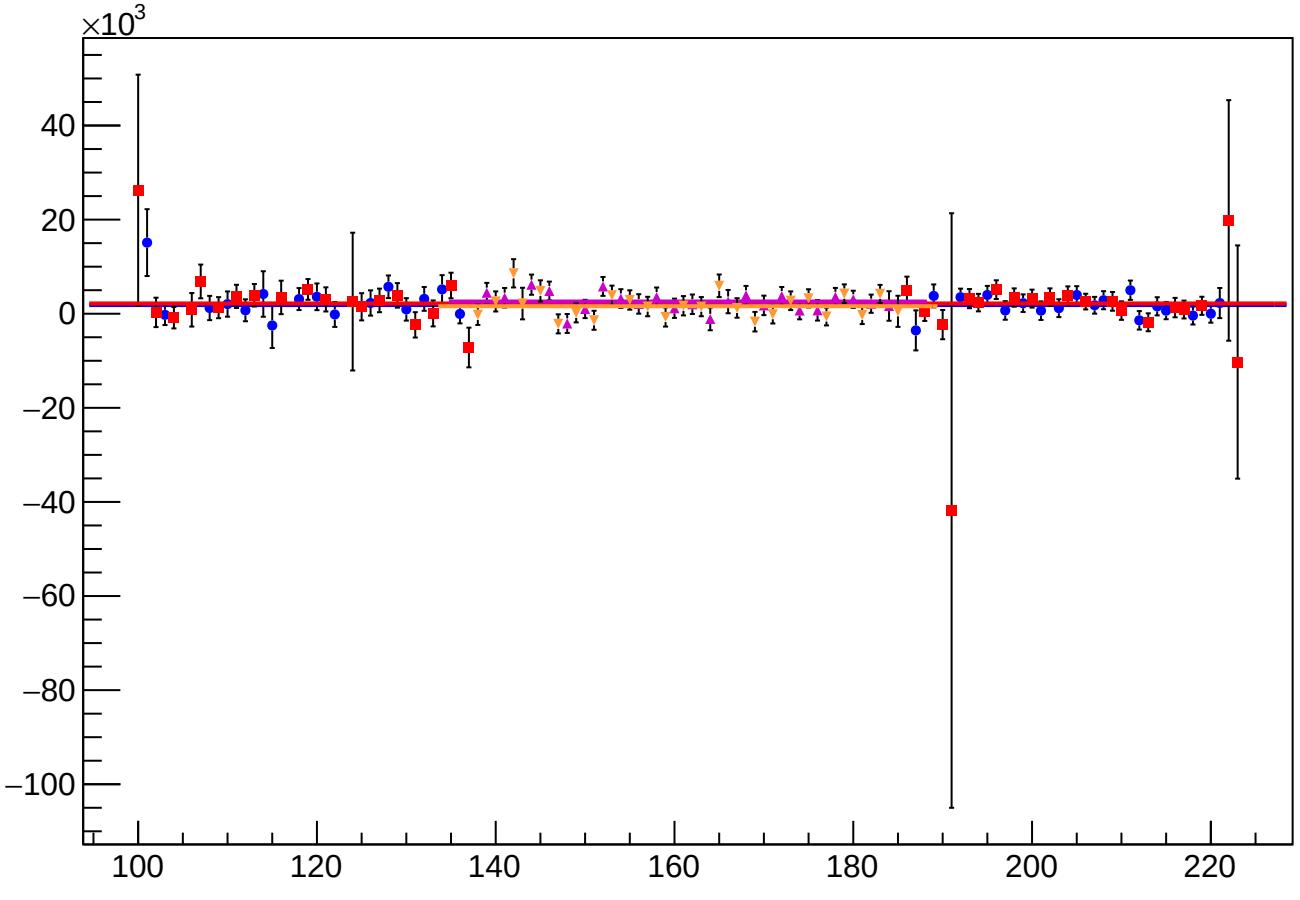
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 1866.223+/-0.270 χ^2/NDF: 40670470.2/72

In: 3073.277+/-0.405 χ^2/NDF:22128537.7/56

Out: 1845.899+/-0.284 χ^2/NDF:41119432.1/63

All: 2250.526+/-0.233 χ^2/NDF: 69400672.1/1



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

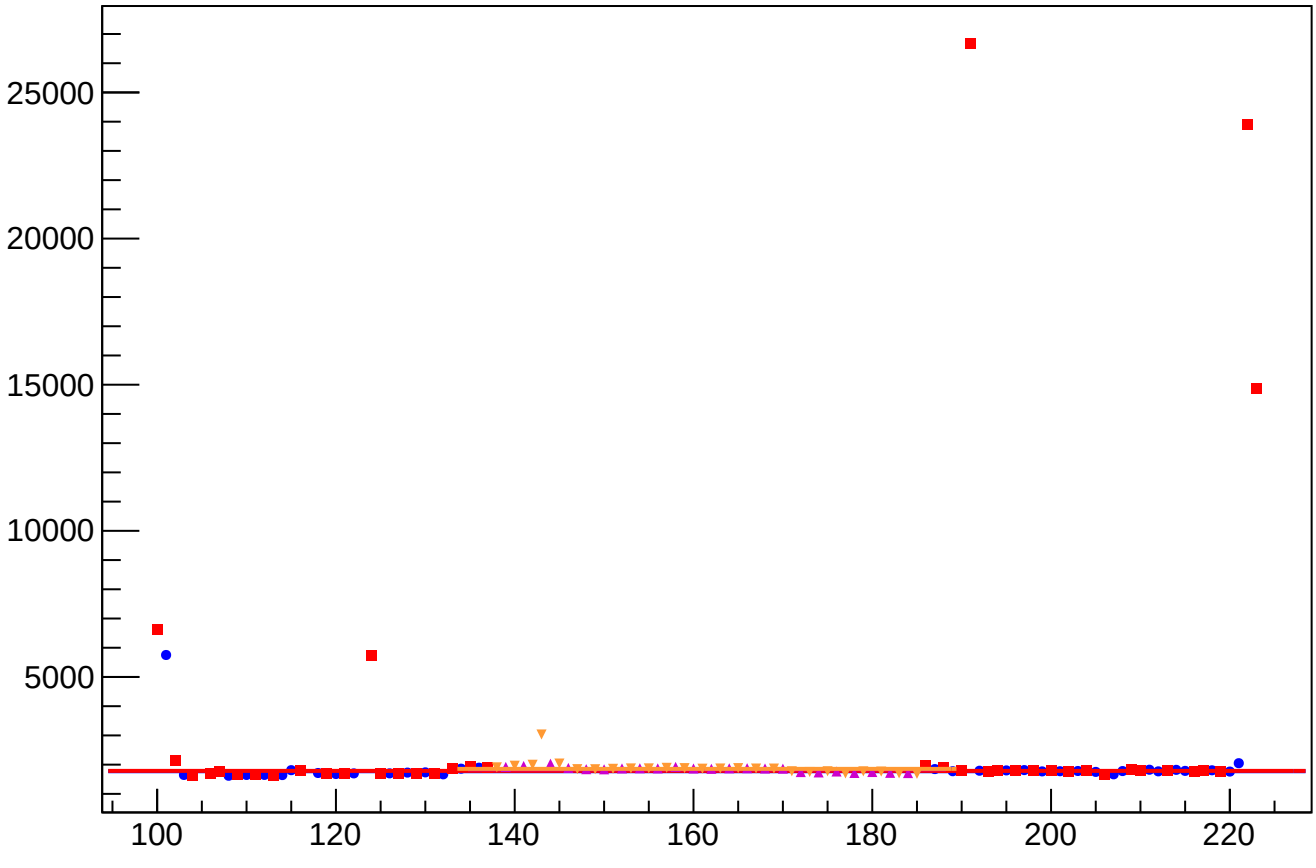
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2012.229+/-274.043 χ^2/NDF: 61.4/72

In: 2179.676+/-287.422 χ^2/NDF:48.6/56

Out: 1913.229+/-286.386 χ^2/NDF:66.5/63

All: 2045.971+/-202.871 χ^2/NDF: 115.5/120



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

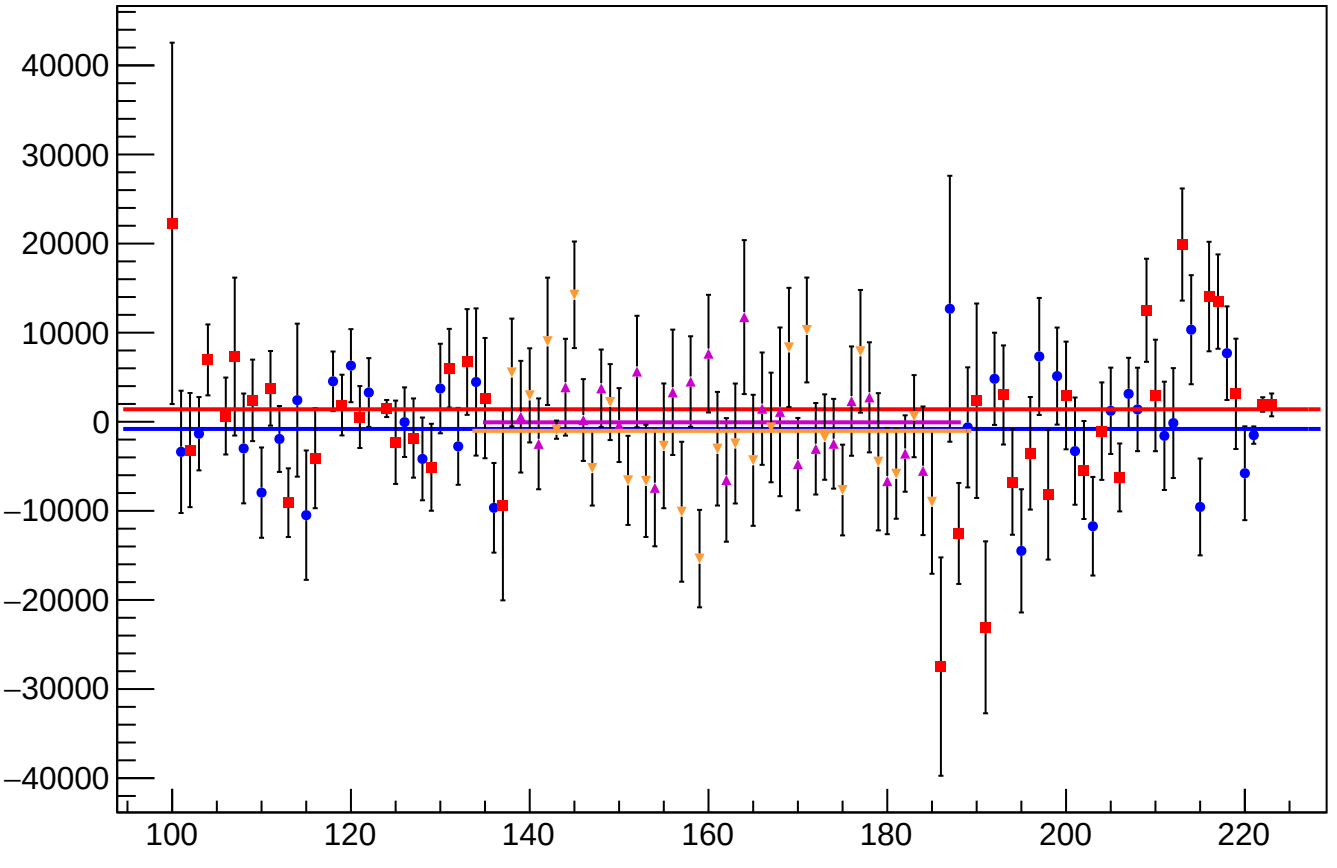
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1780.385+/-0.194 χ^2/NDF: 3399353.4/72

In: 1804.091+/-0.203 χ^2/NDF:797879.8/56

Out: 1818.048+/-0.202 χ^2/NDF:3051224.1/63

All: 1811.099+/-0.143 χ^2/NDF: 3851472.2/12



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

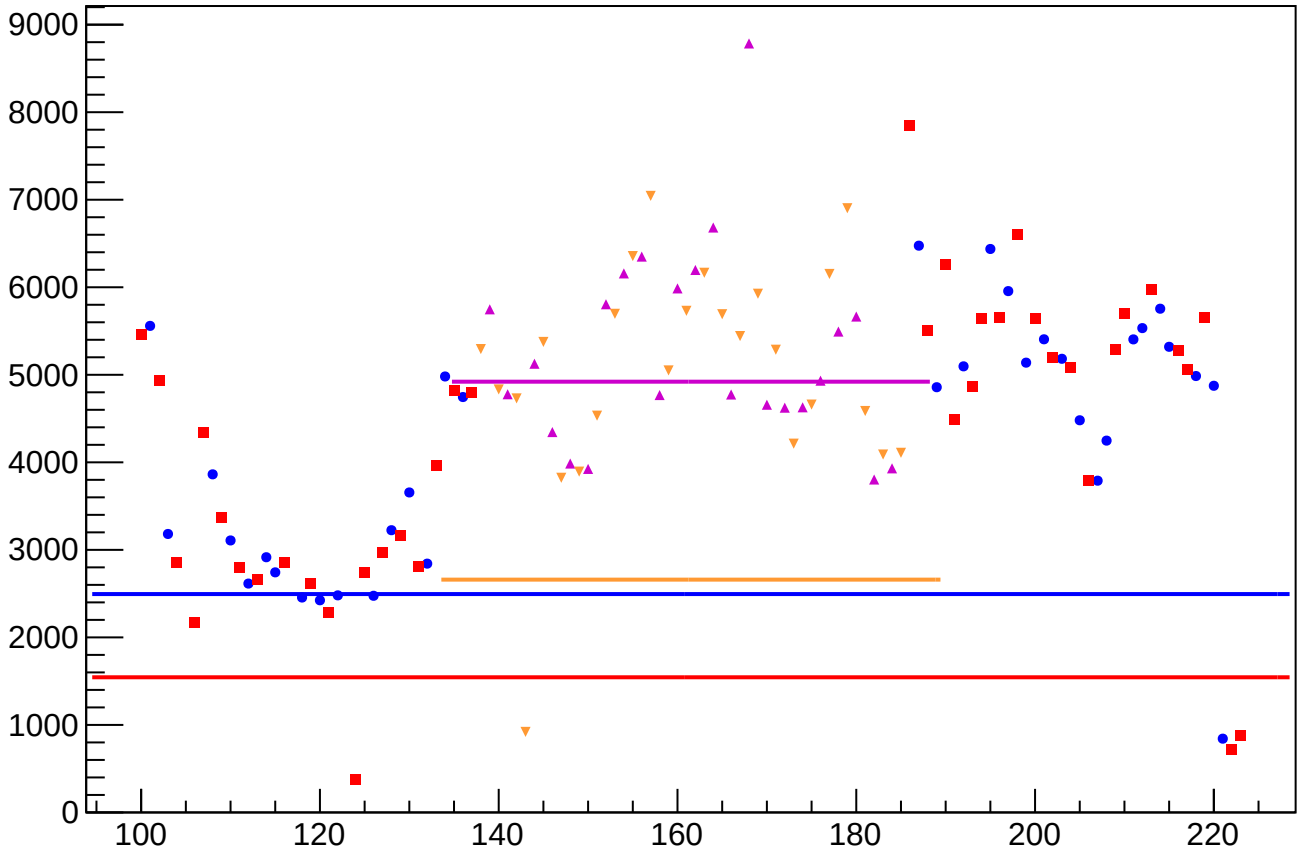
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 649.411+/-383.279 χ^2/NDF: 116.9/72

In: -628.793+/-572.859 χ^2/NDF:53.4/56

Out: 743.119+/-402.748 χ^2/NDF:110.3/63

All: 289.317+/-329.471 χ^2/NDF: 167.5/120



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

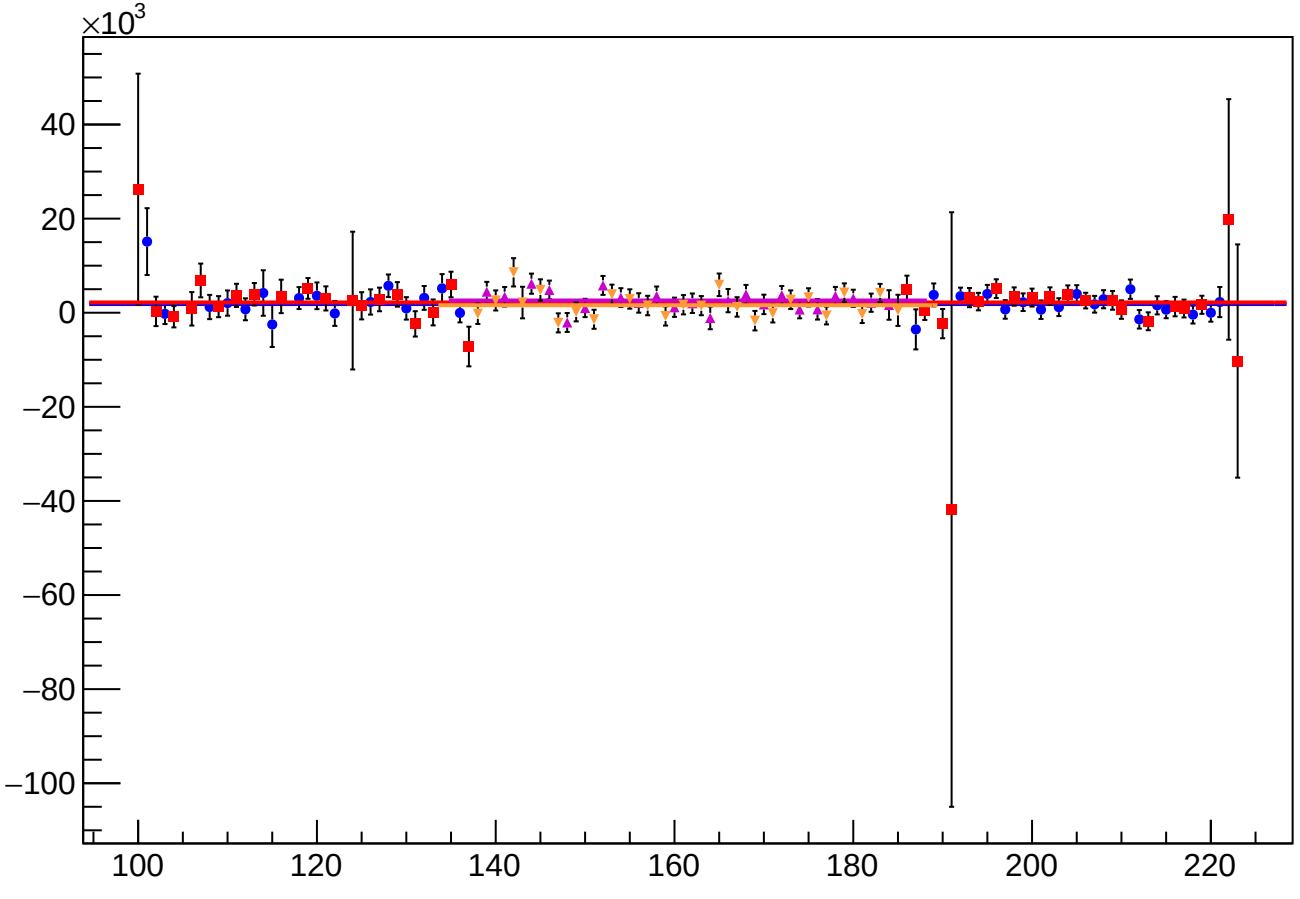
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1868.422+/-0.271 χ^2/NDF: 40686770.3/72

In: 3073.234+/-0.405 χ^2/NDF:22117441.6/56

Out: 1848.073+/-0.285 χ^2/NDF:41146489.3/63

All: 2253.333+/-0.233 χ^2/NDF: 69385882.9/



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

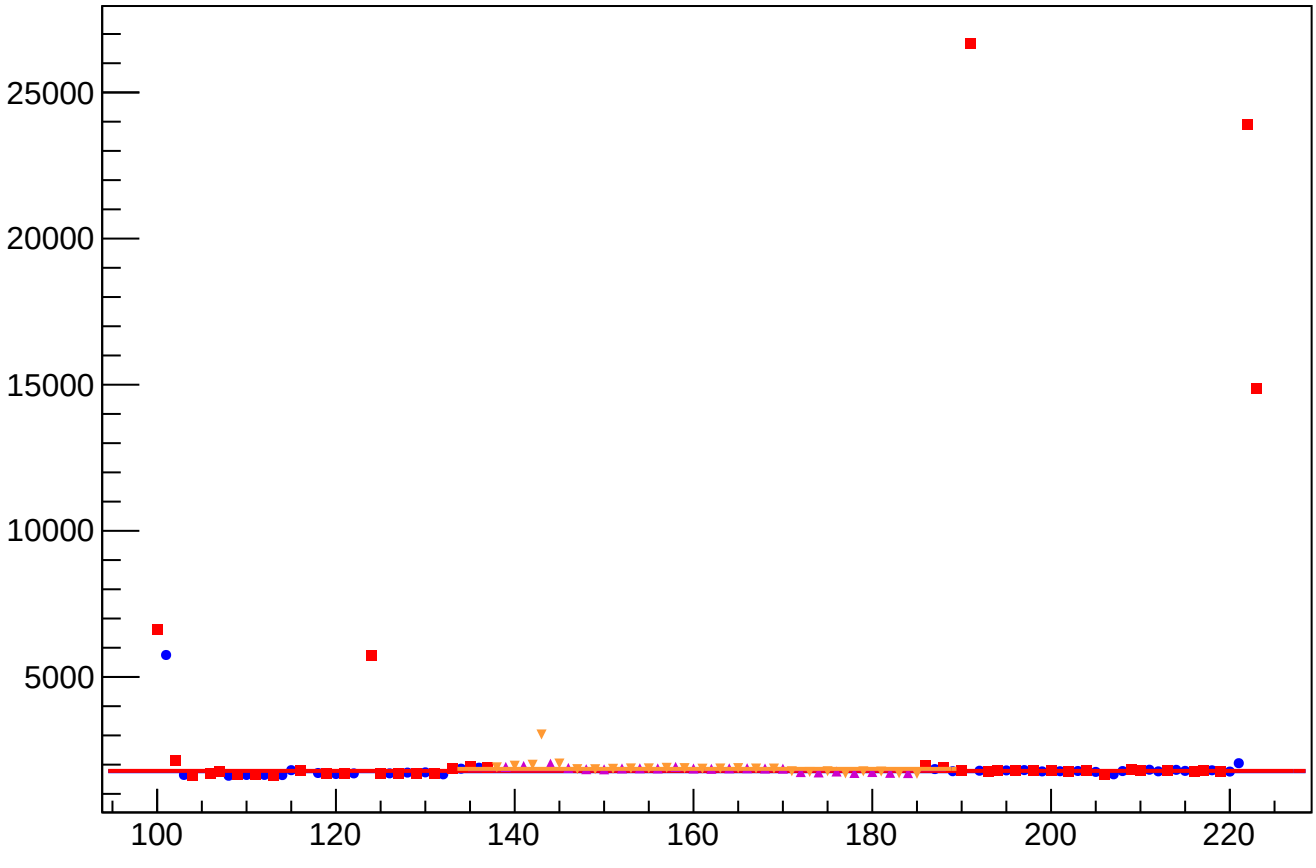
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2012.229+/-274.043 χ^2/NDF: 61.4/72

In: 2179.676+/-287.422 χ^2/NDF:48.6/56

Out: 1913.229+/-286.386 χ^2/NDF:66.5/63

All: 2045.971+/-202.871 χ^2/NDF: 115.5/120



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

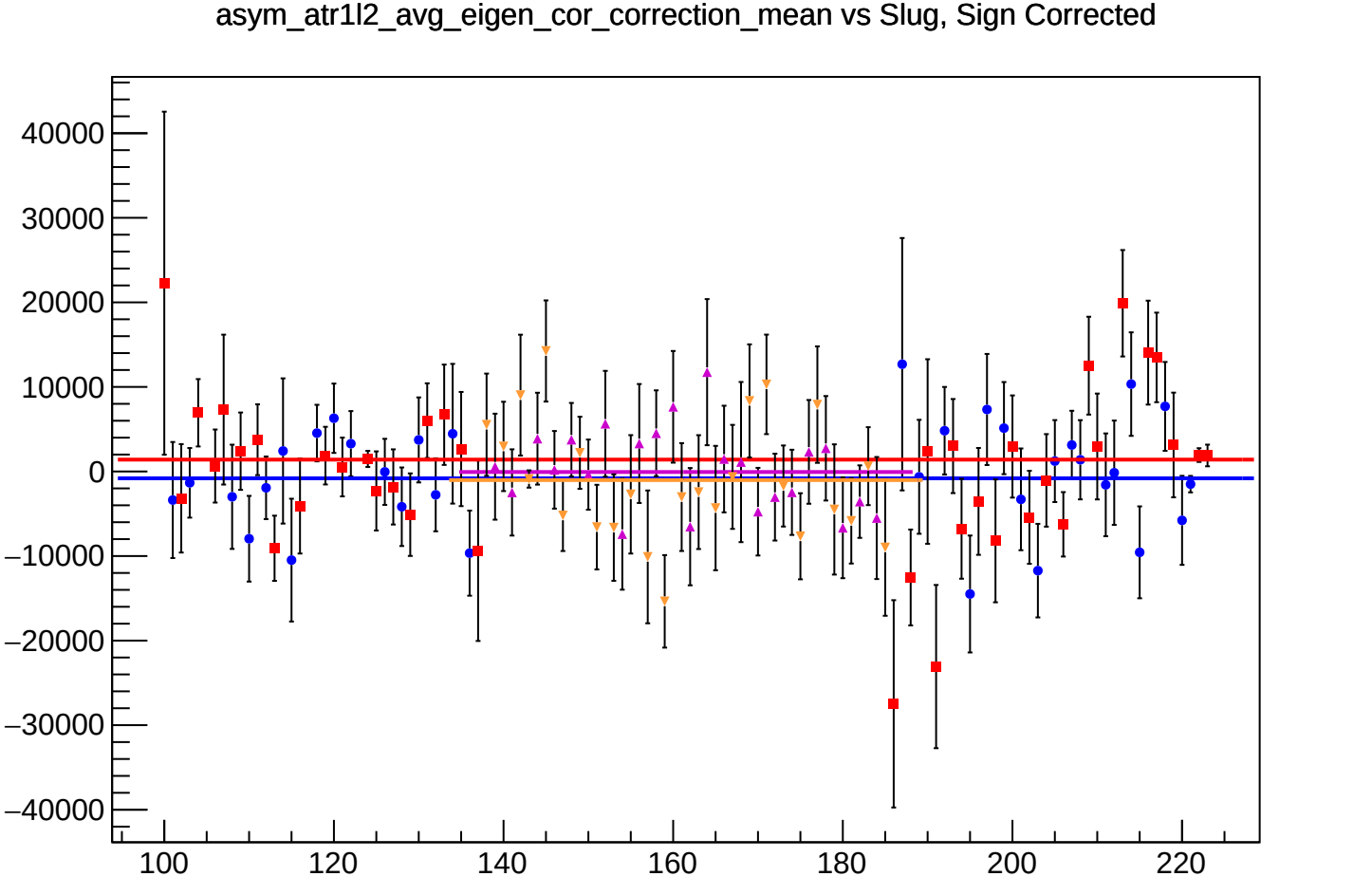
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1780.385+/-0.194 χ^2/NDF: 3399353.4/72

In: 1804.091+/-0.203 χ^2/NDF:797879.8/56

Out: 1818.048+/-0.202 χ^2/NDF:3051224.1/63

All: 1811.099+/-0.143 χ^2/NDF: 3851472.2/12



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

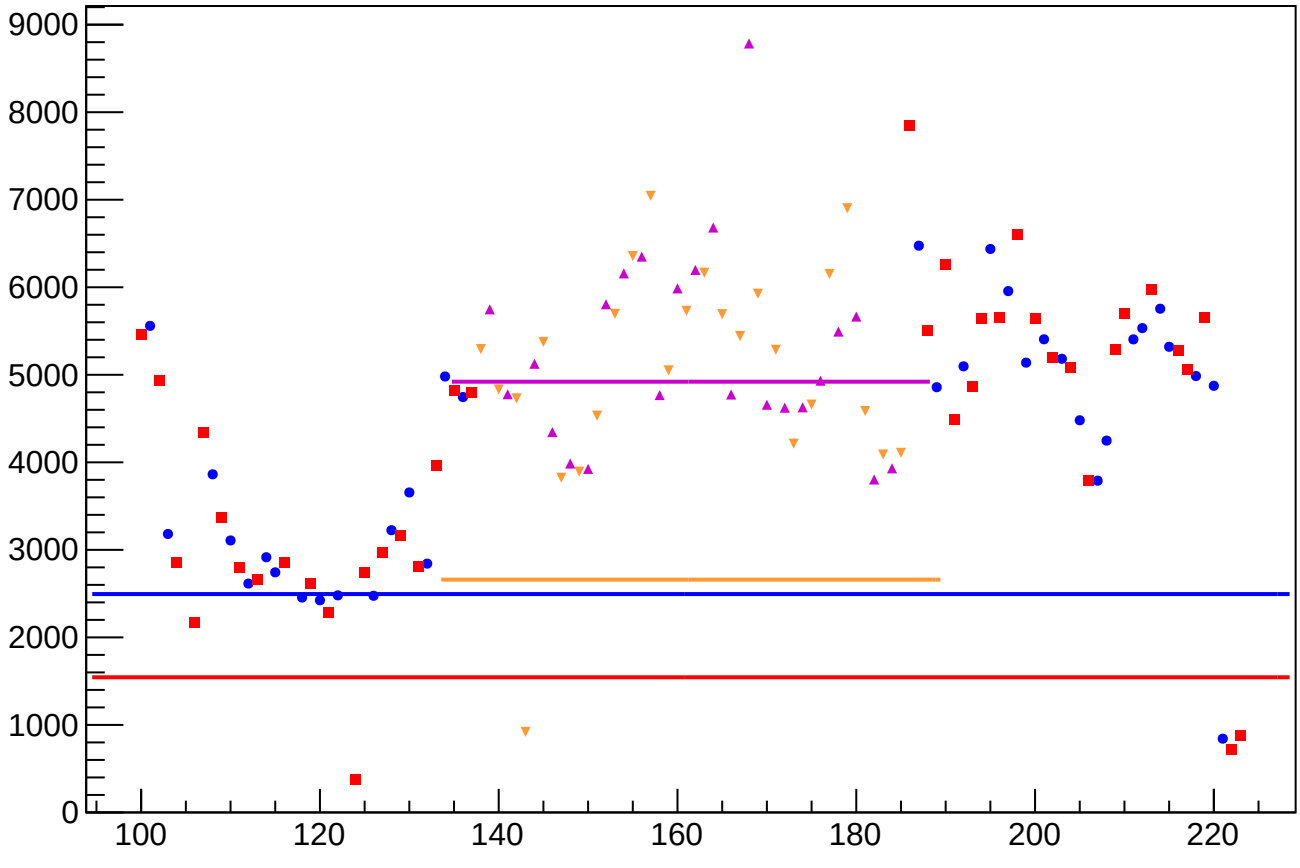
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 649.411+/-383.279 χ^2/NDF: 116.9/72

In: -628.793+/-572.859 χ^2/NDF:53.4/56

Out: 743.119+/-402.748 χ^2/NDF:110.3/63

All: 289.317+/-329.471 χ^2/NDF: 167.5/120



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

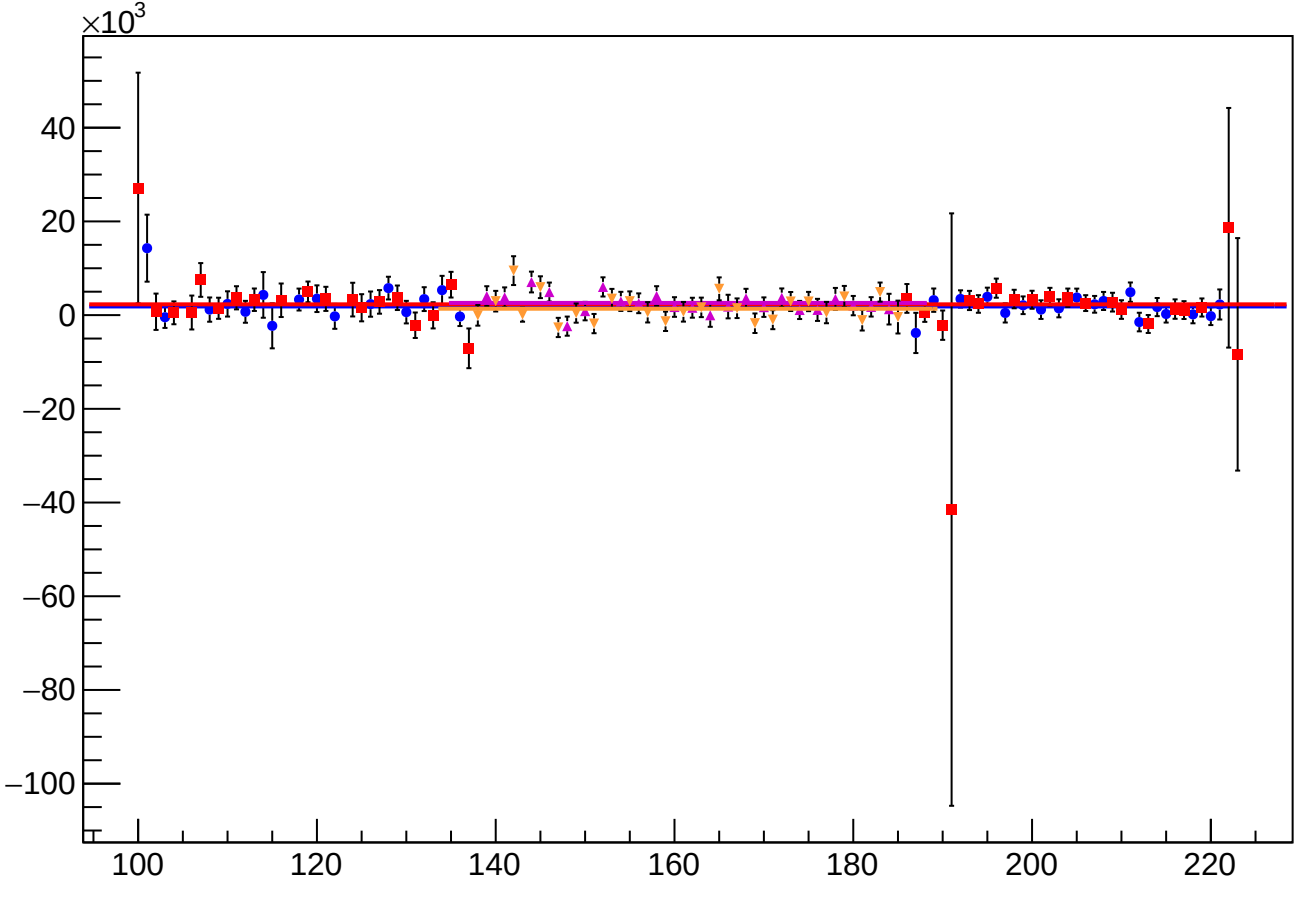
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1868.422+/-0.271 χ^2/NDF: 40686770.3/72

In: 3073.234+/-0.405 χ^2/NDF:22117441.6/56

Out: 1848.073+/-0.285 χ^2/NDF:41146489.3/63

All: 2253.333+/-0.233 χ^2/NDF: 69385882.9/1



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

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

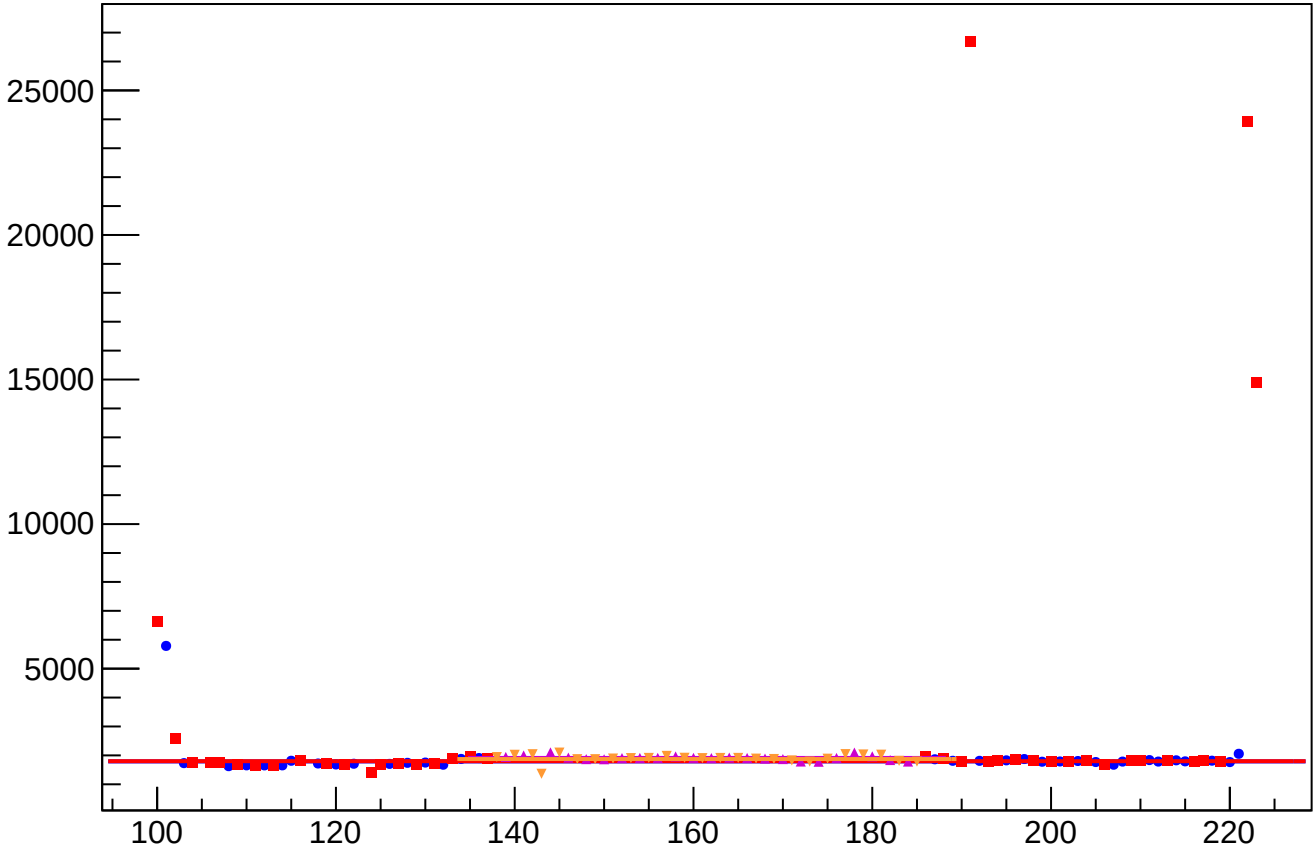
Right: 2074.229+/-276.289 χ^2/NDF: 59.4/72

In: 2176.010+/-293.729 χ^2/NDF:47.9/56

Out: 1872.415+/-288.723 χ^2/NDF:71.2/63

All: 2021.604+/-205.905 χ^2/NDF: 119.6/120

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

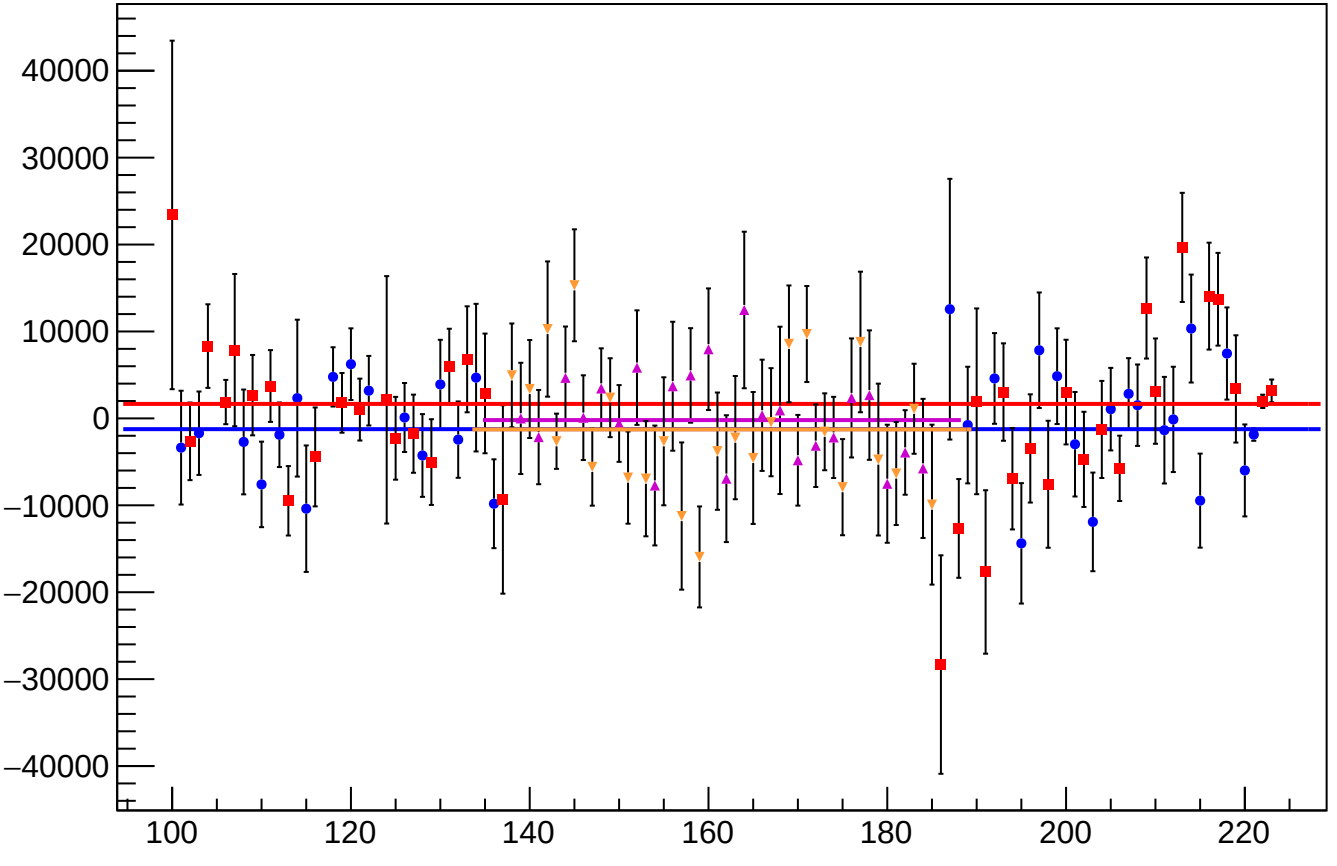
Right: 1795.115+/-0.195 χ^2/NDF: 3318557.5/72

In: 1842.984+/-0.208 χ^2/NDF:841002.4/56

Out: 1833.039+/-0.204 χ^2/NDF:2961069.9/63

All: 1837.924+/-0.146 χ^2/NDF: 3803238.9/12

asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected



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

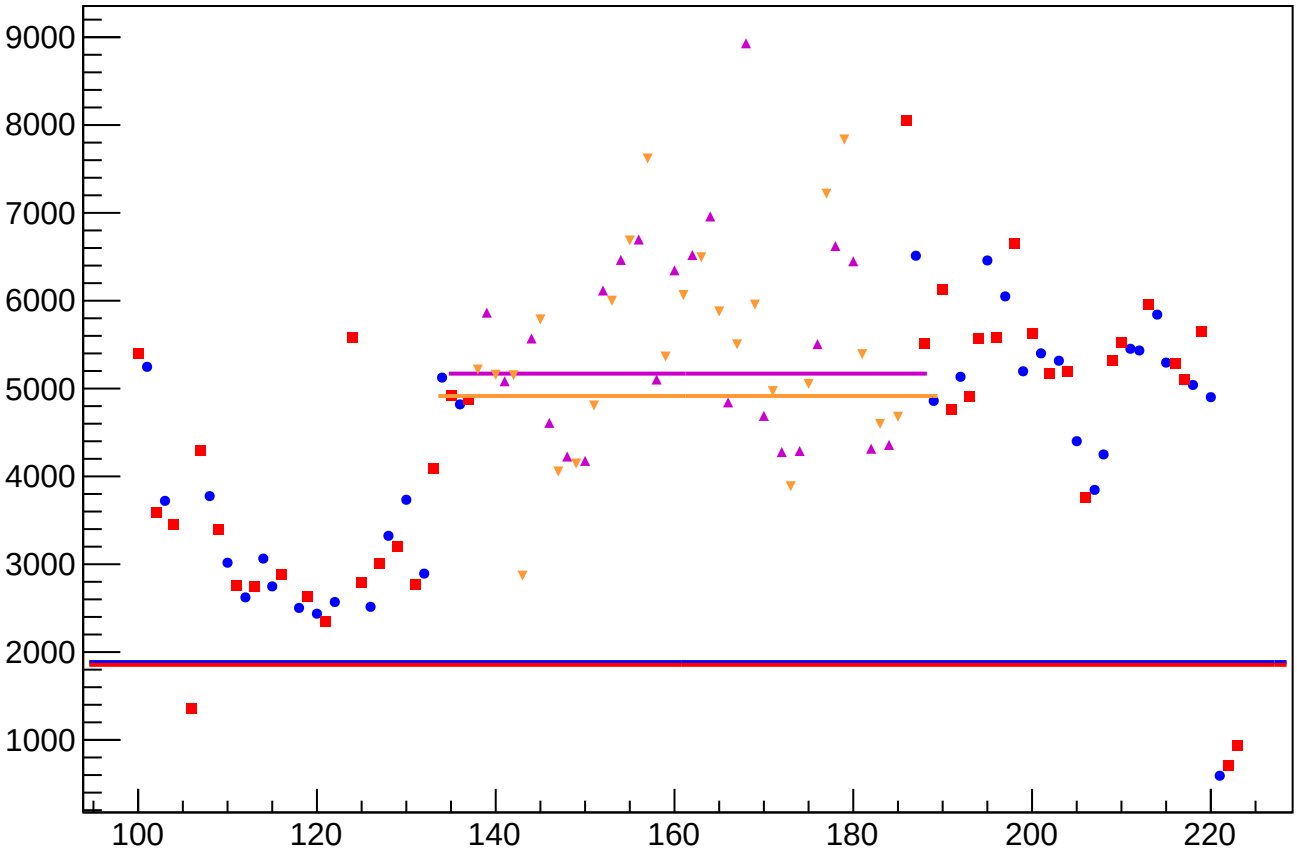
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: 315.747+/-382.091 χ^2/NDF: 123.2/72

In: -1061.535+/-510.412 χ^2/NDF:53.5/56

Out: 1168.239+/-475.899 χ^2/NDF:107.4/63

All: 131.281+/-348.073 χ^2/NDF: 171.1/120



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

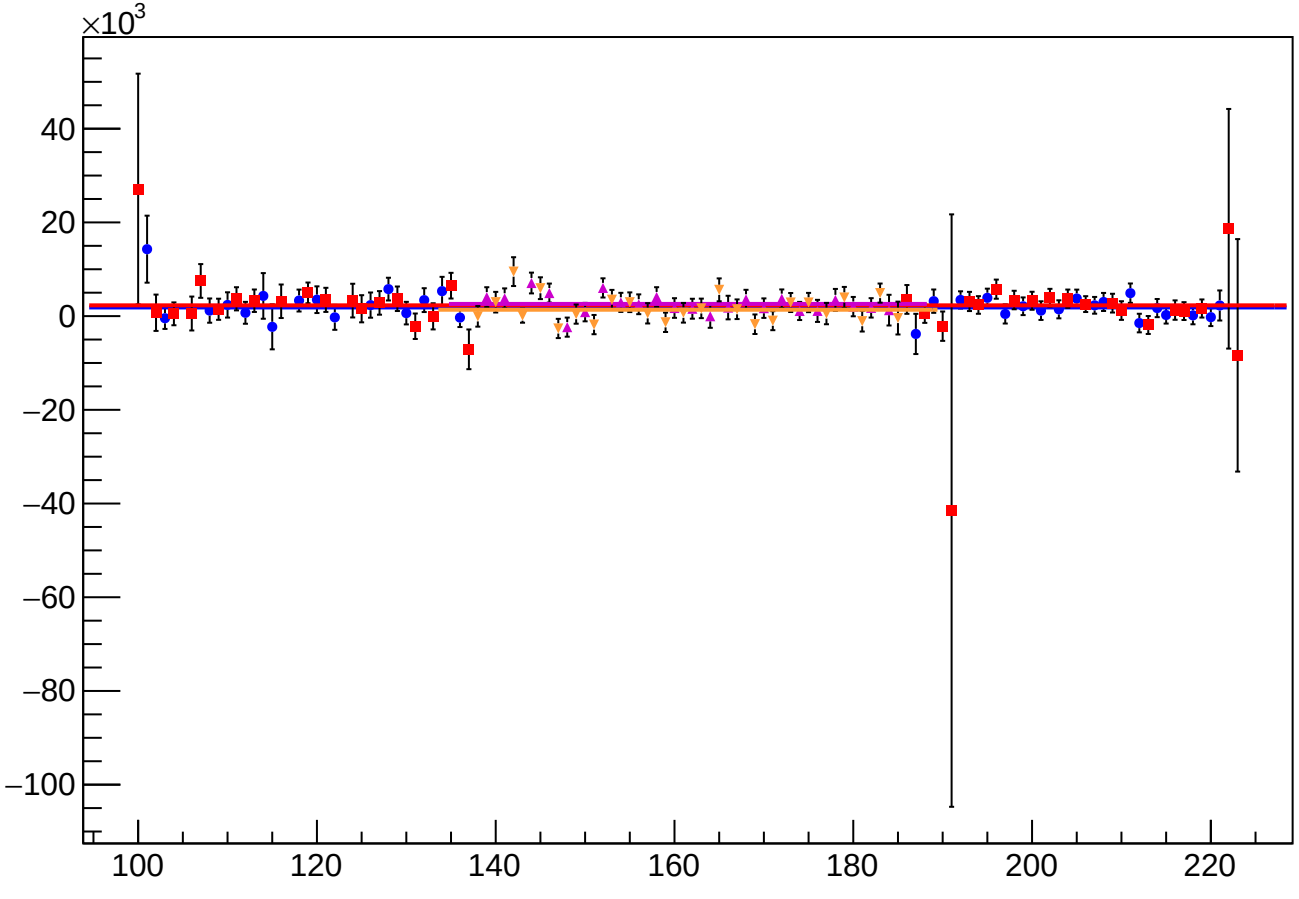
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 1869.349+/-0.270 χ^2/NDF: 40779418.3/72

In: 2447.302+/-0.361 χ^2/NDF:33598389.3/56

Out: 2373.491+/-0.337 χ^2/NDF:34065415.0/63

All: 2407.817+/-0.246 χ^2/NDF: 67686177.9/



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

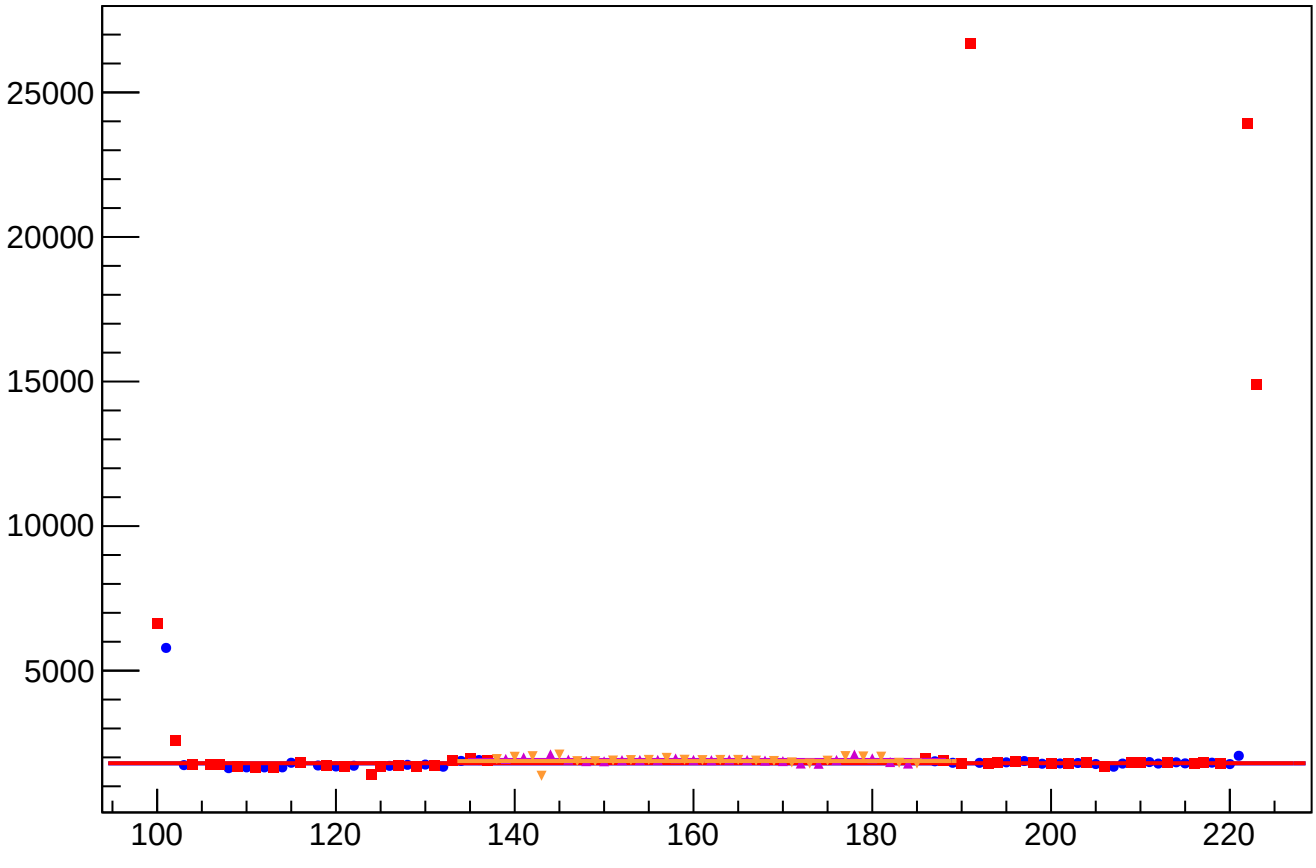
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2074.228+/-276.289 χ^2/NDF: 59.4/72

In: 2176.011+/-293.729 χ^2/NDF:47.9/56

Out: 1872.412+/-288.723 χ^2/NDF:71.2/63

All: 2021.602+/-205.905 χ^2/NDF: 119.6/120



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

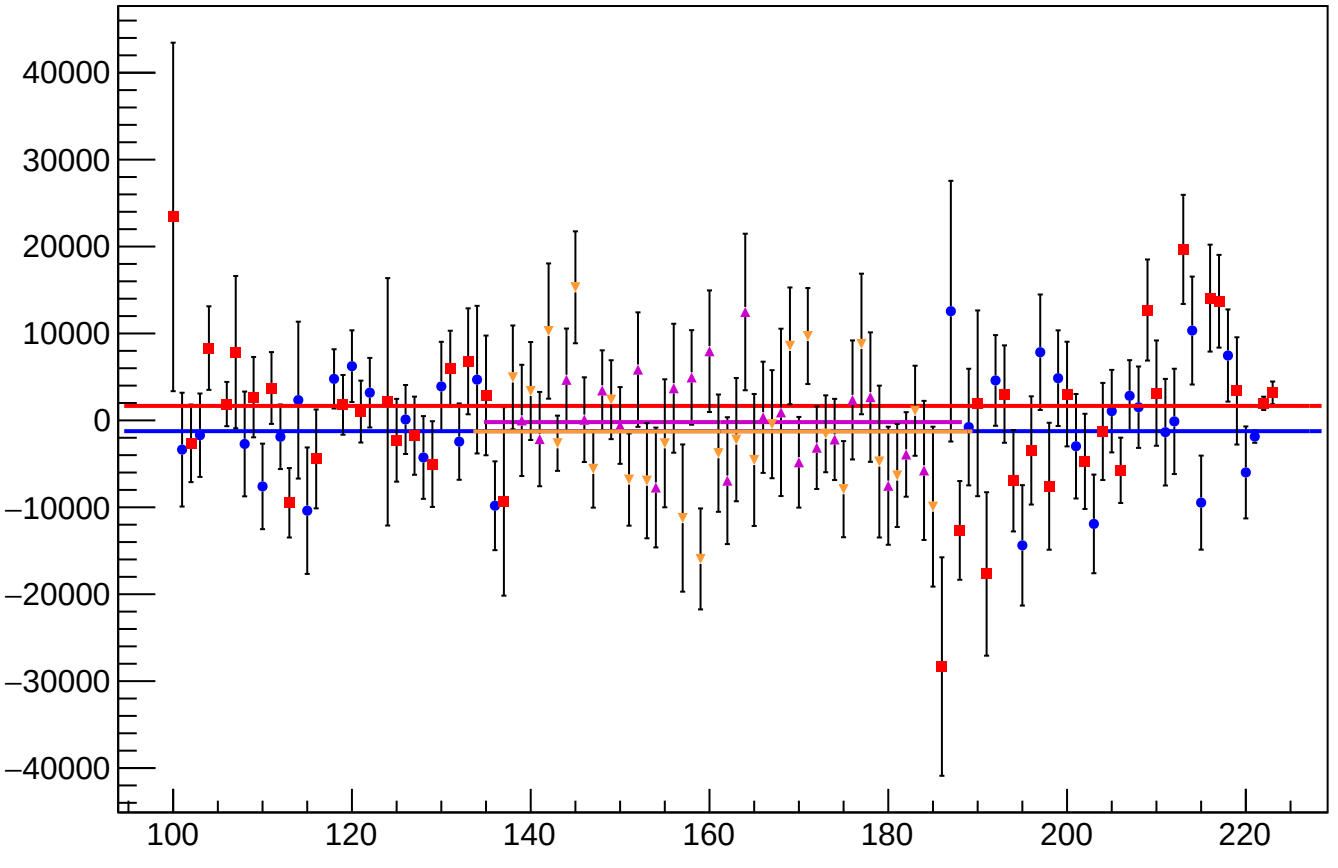
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1795.115+/-0.195 χ^2/NDF: 3318557.6/72

In: 1842.985+/-0.208 χ^2/NDF:841006.1/56

Out: 1833.040+/-0.204 χ^2/NDF:2961074.5/63

All: 1837.924+/-0.146 χ^2/NDF: 3803247.2/12



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

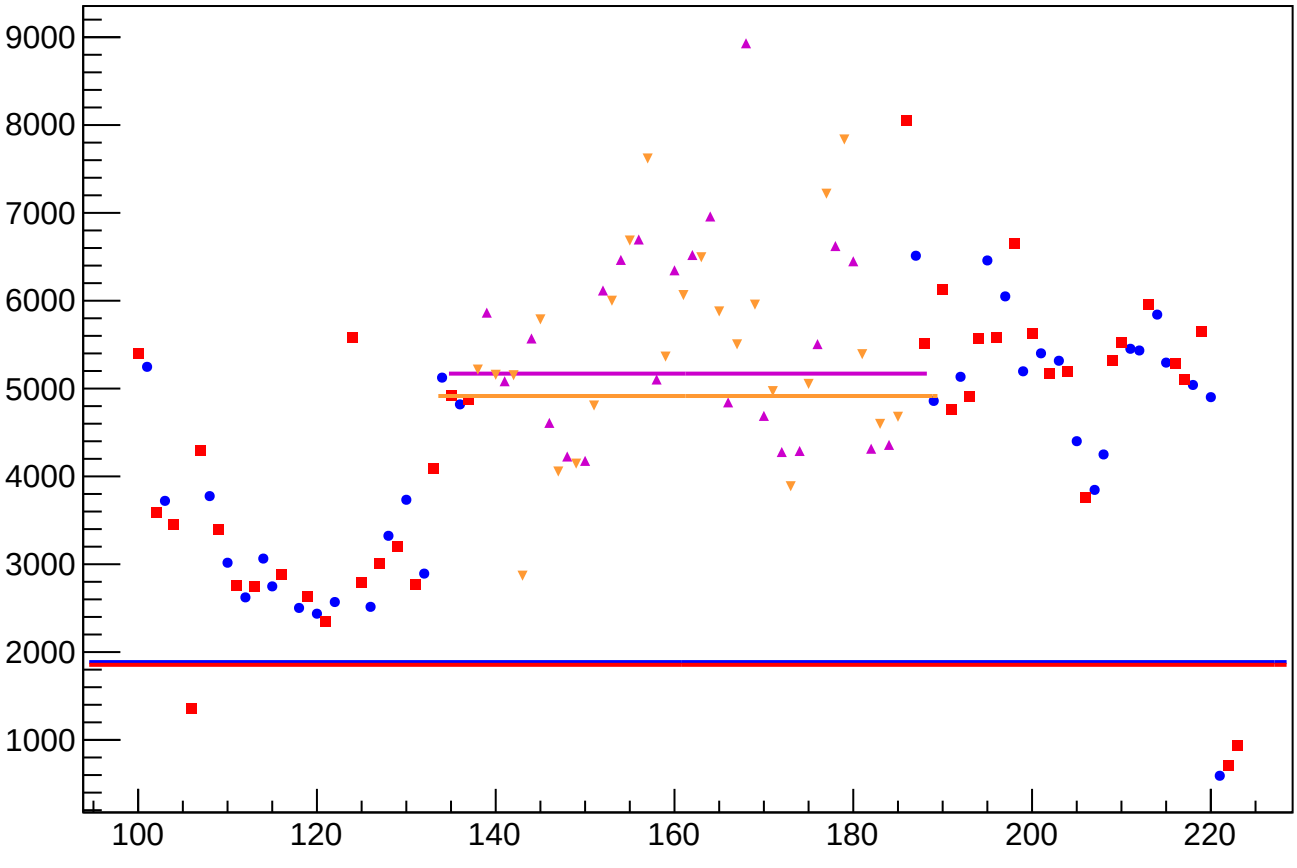
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: 315.745+/-382.091 χ^2/NDF: 123.2/72

In: -1061.536+/-510.411 χ^2/NDF:53.5/56

Out: 1168.240+/-475.899 χ^2/NDF:107.4/63

All: 131.279+/-348.073 χ^2/NDF: 171.1/120



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

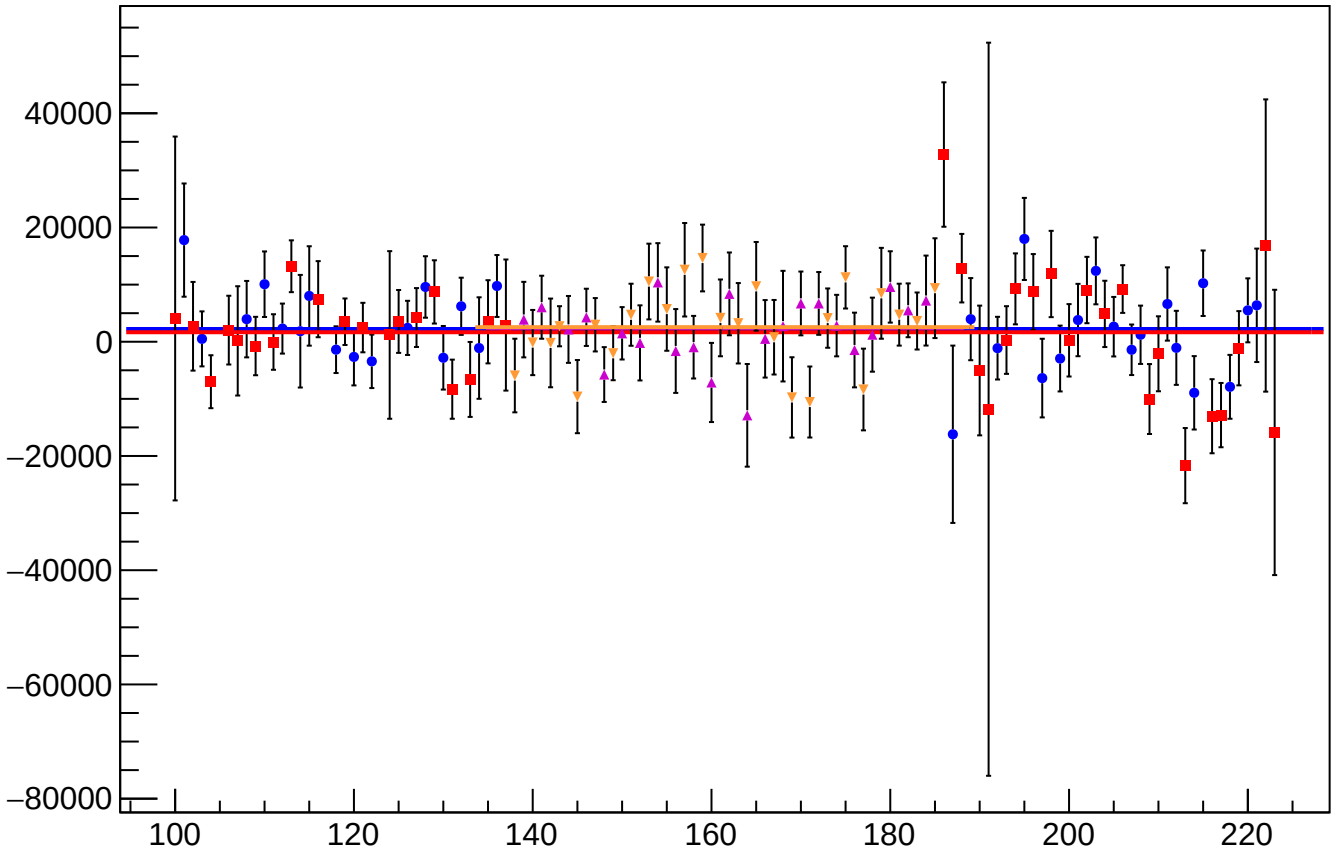
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 1869.346+/-0.270 χ^2/NDF: 40779490.2/72

In: 2447.295+/-0.361 χ^2/NDF:33598533.0/56

Out: 2373.490+/-0.337 χ^2/NDF:34065461.5/63

All: 2407.813+/-0.246 χ^2/NDF: 67686365.2/1



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

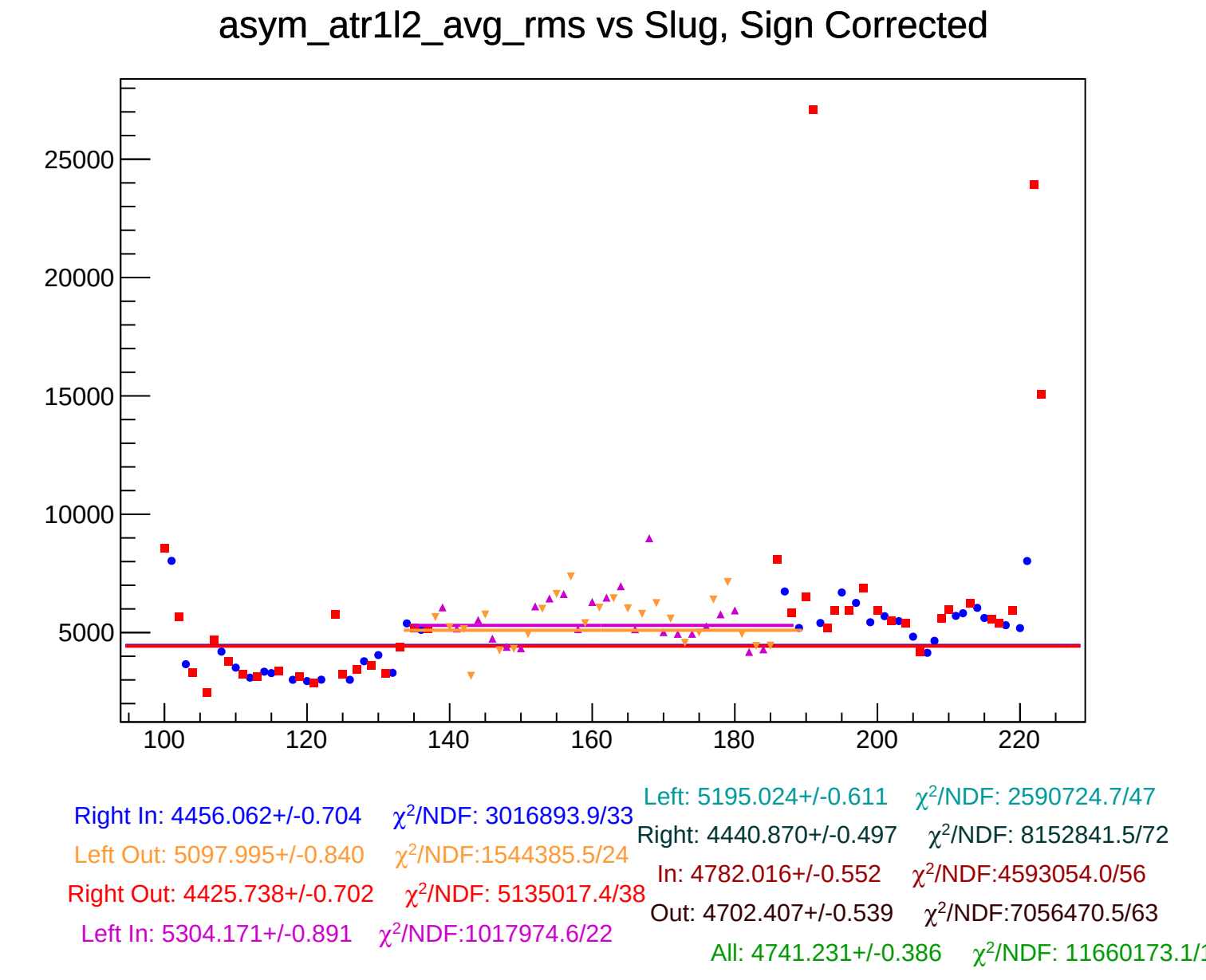
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

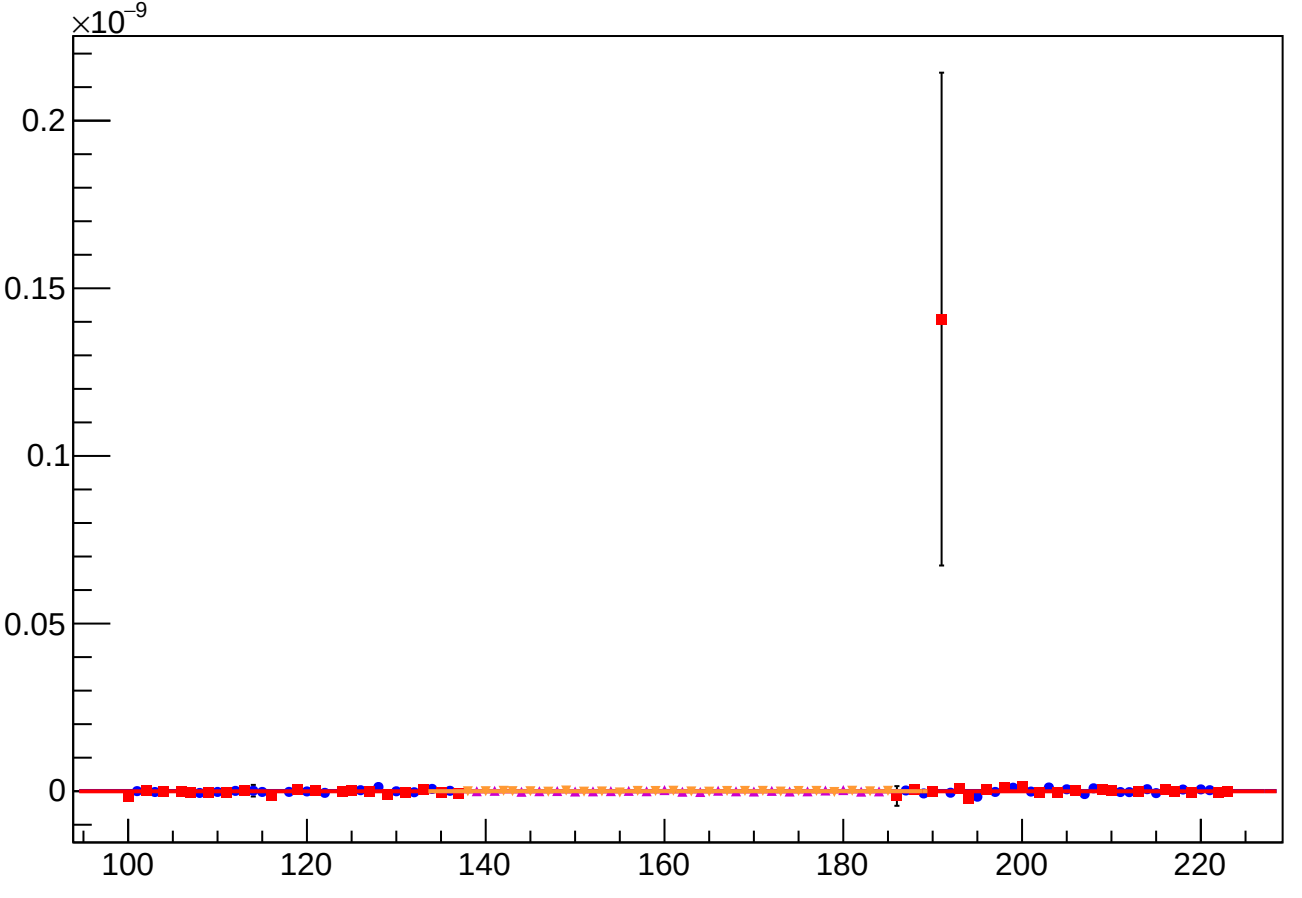
Right: 1950.810+/-706.093 χ^2/NDF: 103.9/72

In: 2305.757+/-780.915 χ^2/NDF:50.9/56

Out: 2031.900+/-765.814 χ^2/NDF:97.2/63

All: 2166.155+/-546.773 χ^2/NDF: 148.2/120


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4456.062+/-0.704 χ²/NDF: 3016893.9/33
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4425.738+/-0.702 χ²/NDF: 5135017.4/38
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4440.870+/-0.497 χ²/NDF: 8152841.5/72
In: 4782.016+/-0.552 χ²/NDF:4593054.0/56
Out: 4702.407+/-0.539 χ²/NDF:7056470.5/63
All: 4741.231+/-0.386 χ²/NDF: 11660173.1/



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

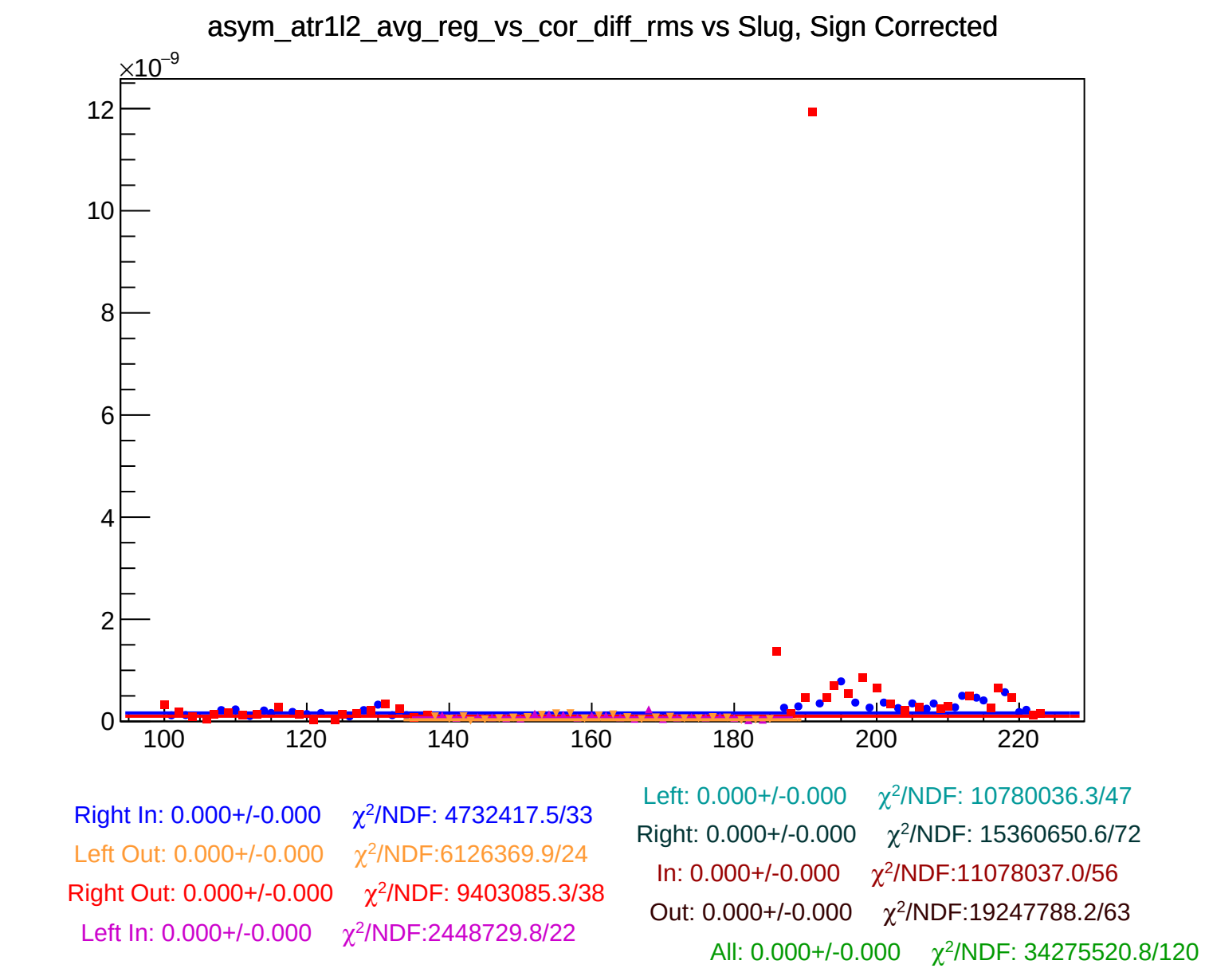
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: 0.000+/-0.000 χ^2/NDF: 85.5/72

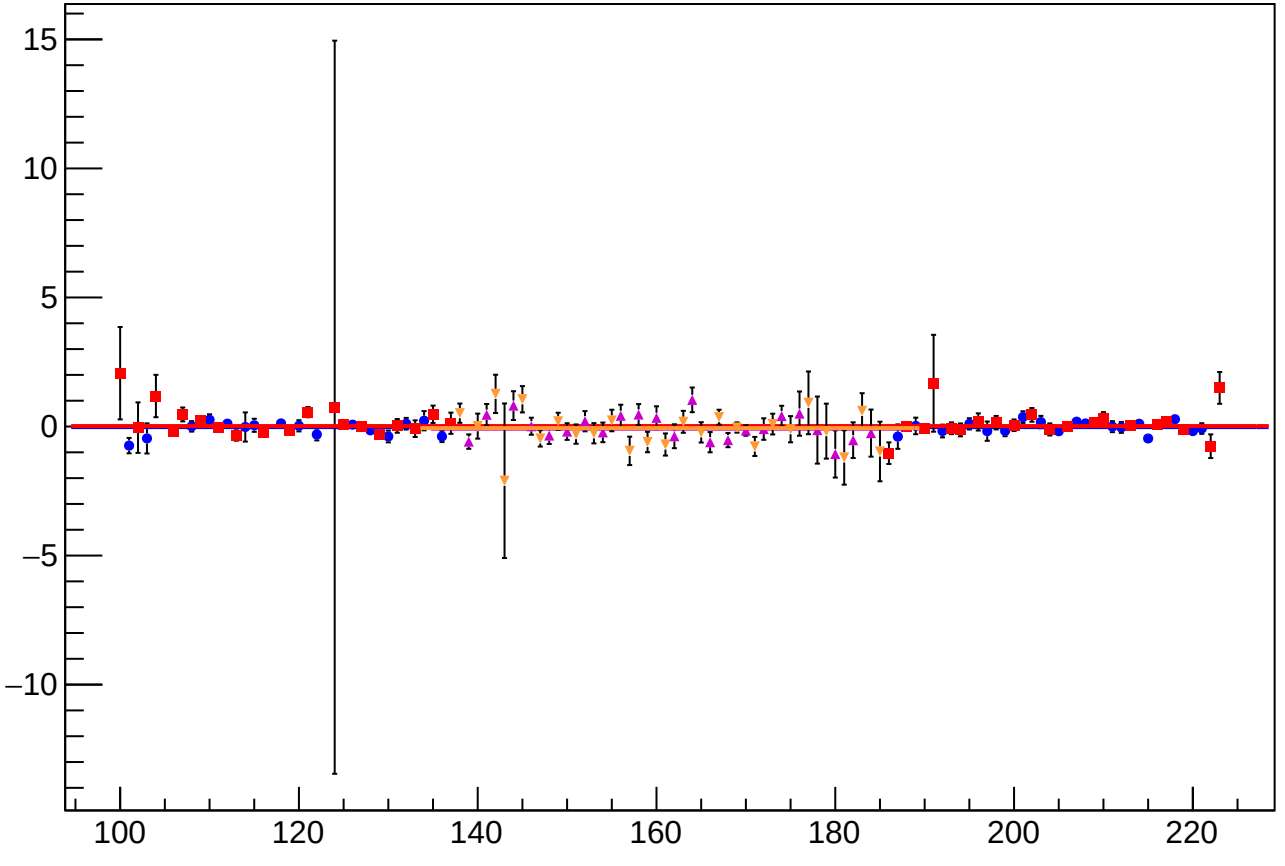
In: 0.000+/-0.000 χ^2/NDF:64.4/56

Out: 0.000+/-0.000 χ^2/NDF:59.3/63

All: 0.000+/-0.000 χ^2/NDF: 123.8/120


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 15360650.6/72
In: 0.000+/-0.000 χ²/NDF:11078037.0/56
Out: 0.000+/-0.000 χ²/NDF:19247788.2/63
All: 0.000+/-0.000 χ²/NDF: 34275520.8/120

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

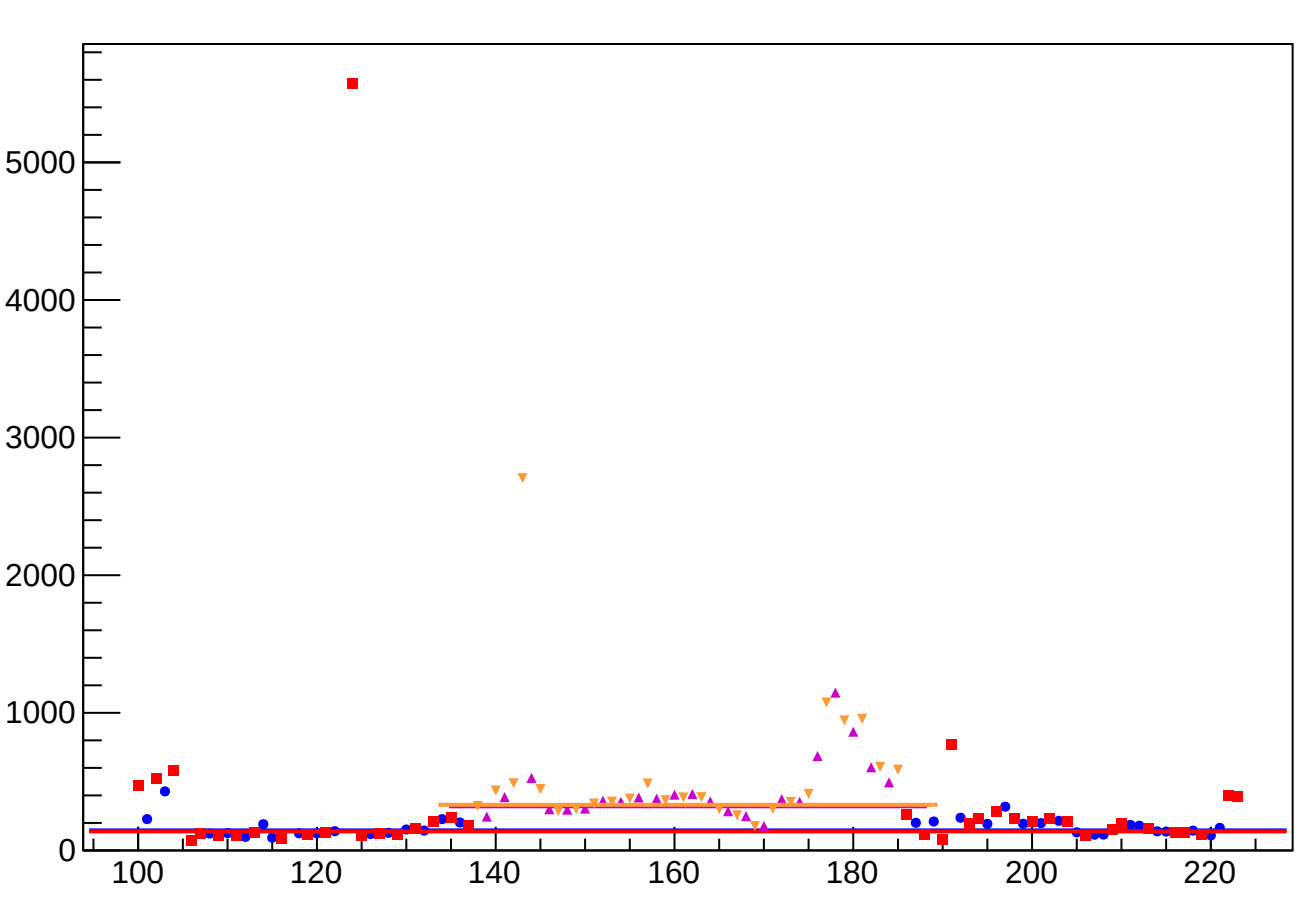
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.002+/-0.024 χ^2/NDF: 99.0/72

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.007+/-0.031 χ^2/NDF:85.8/63

All: -0.012+/-0.022 χ^2/NDF: 158.1/120



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

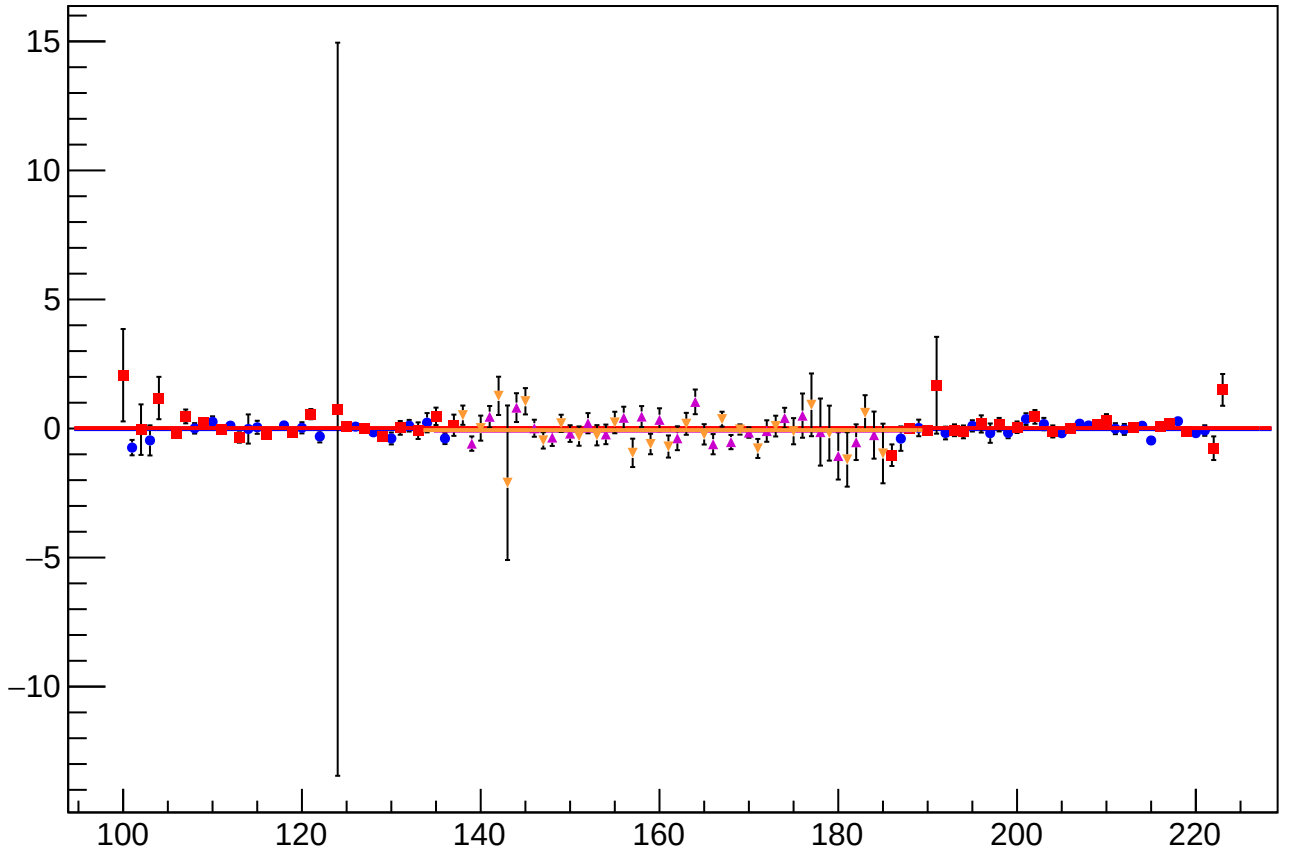
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 142.013+/-0.017 χ^2/NDF: 9368451.1/72

In: 171.860+/-0.022 χ^2/NDF:15332947.9/56

Out: 164.599+/-0.022 χ^2/NDF:21203432.7/63

All: 168.159+/-0.016 χ^2/NDF: 36591015.2/12



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

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

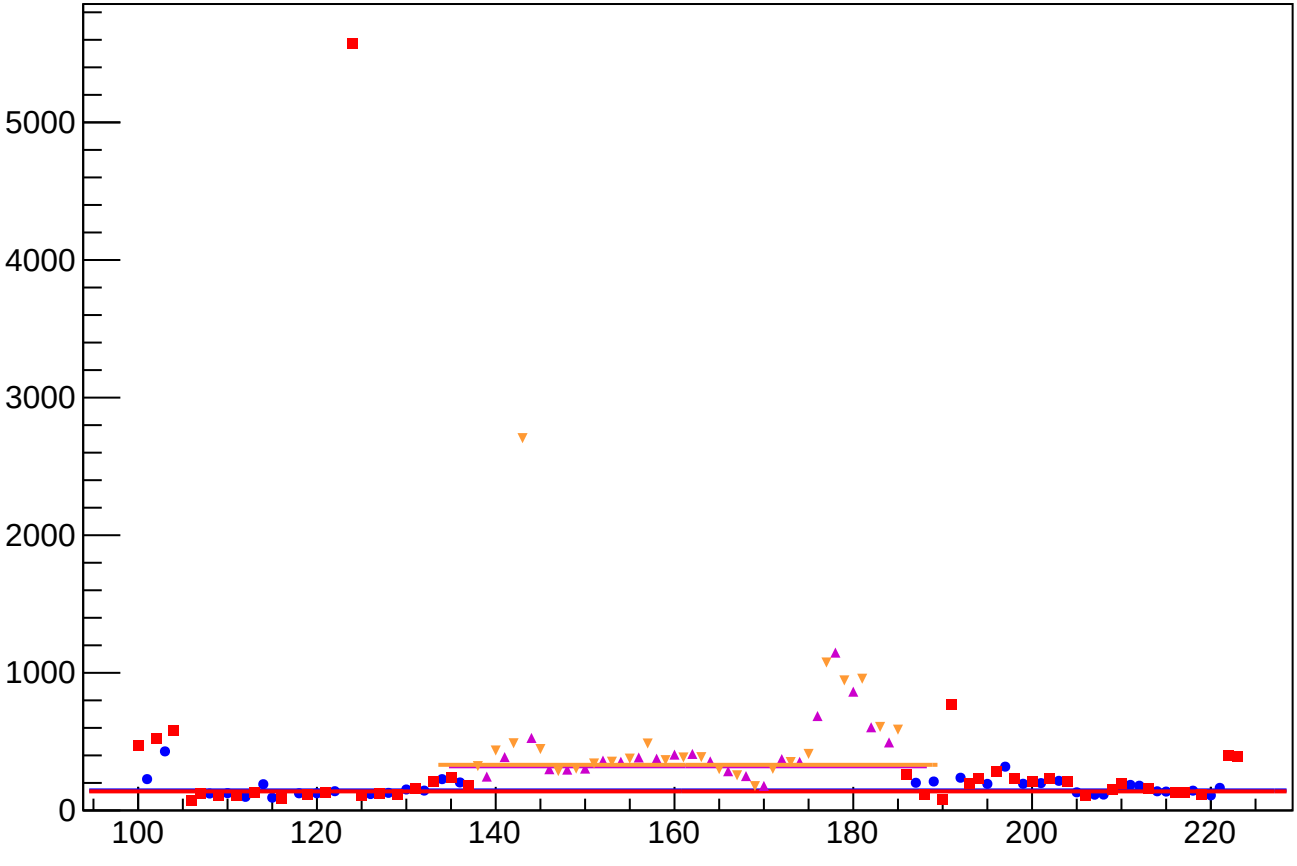
Right: -0.002+/-0.024 χ^2/NDF: 99.0/72

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.007+/-0.031 χ^2/NDF:85.8/63

All: -0.012+/-0.022 χ^2/NDF: 158.1/120

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

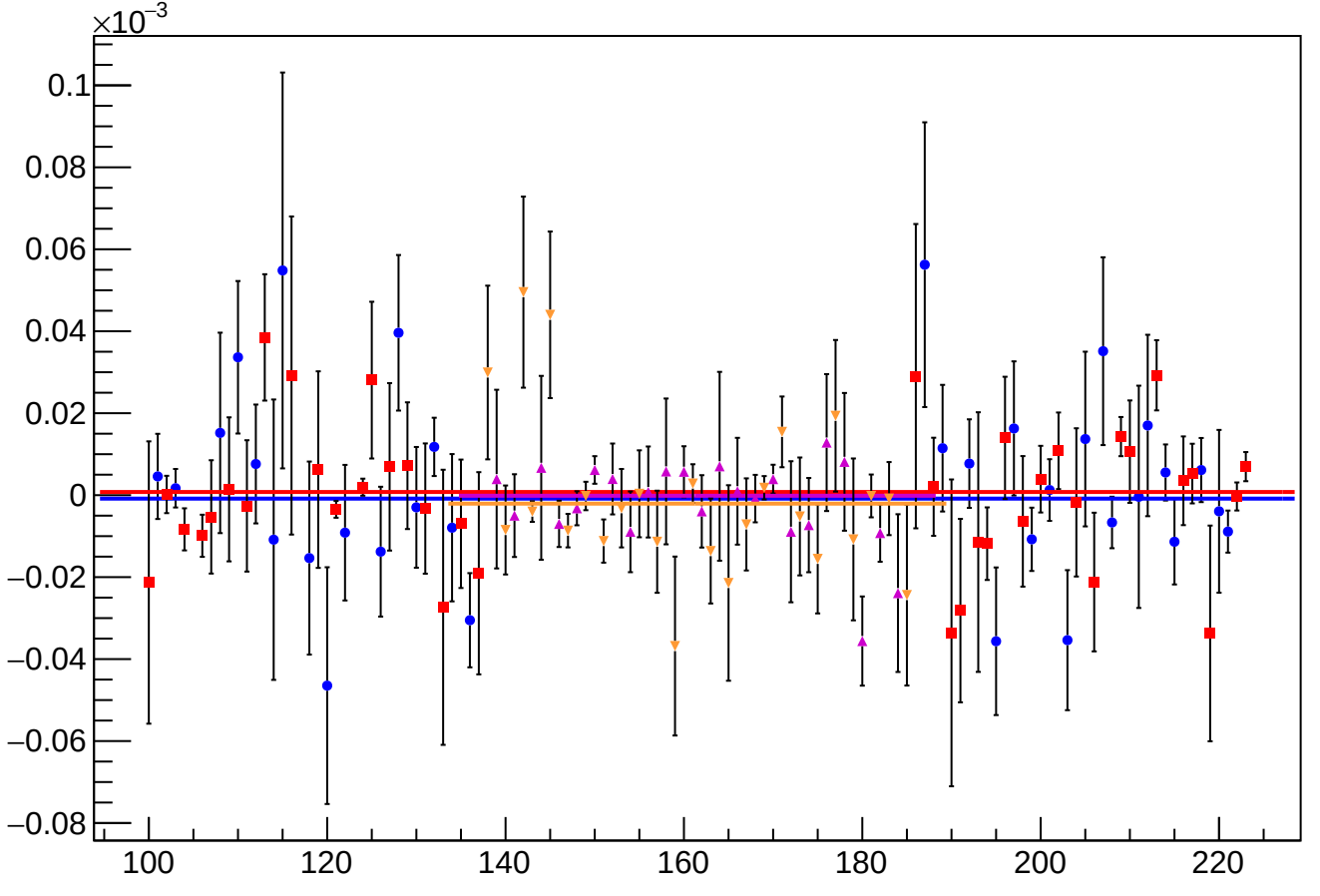
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 142.013+/-0.017 χ^2/NDF: 9368451.1/72

In: 171.860+/-0.022 χ^2/NDF:15332947.9/56

Out: 164.599+/-0.022 χ^2/NDF:21203432.7/63

All: 168.159+/-0.016 χ^2/NDF: 36591015.2/12



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

Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

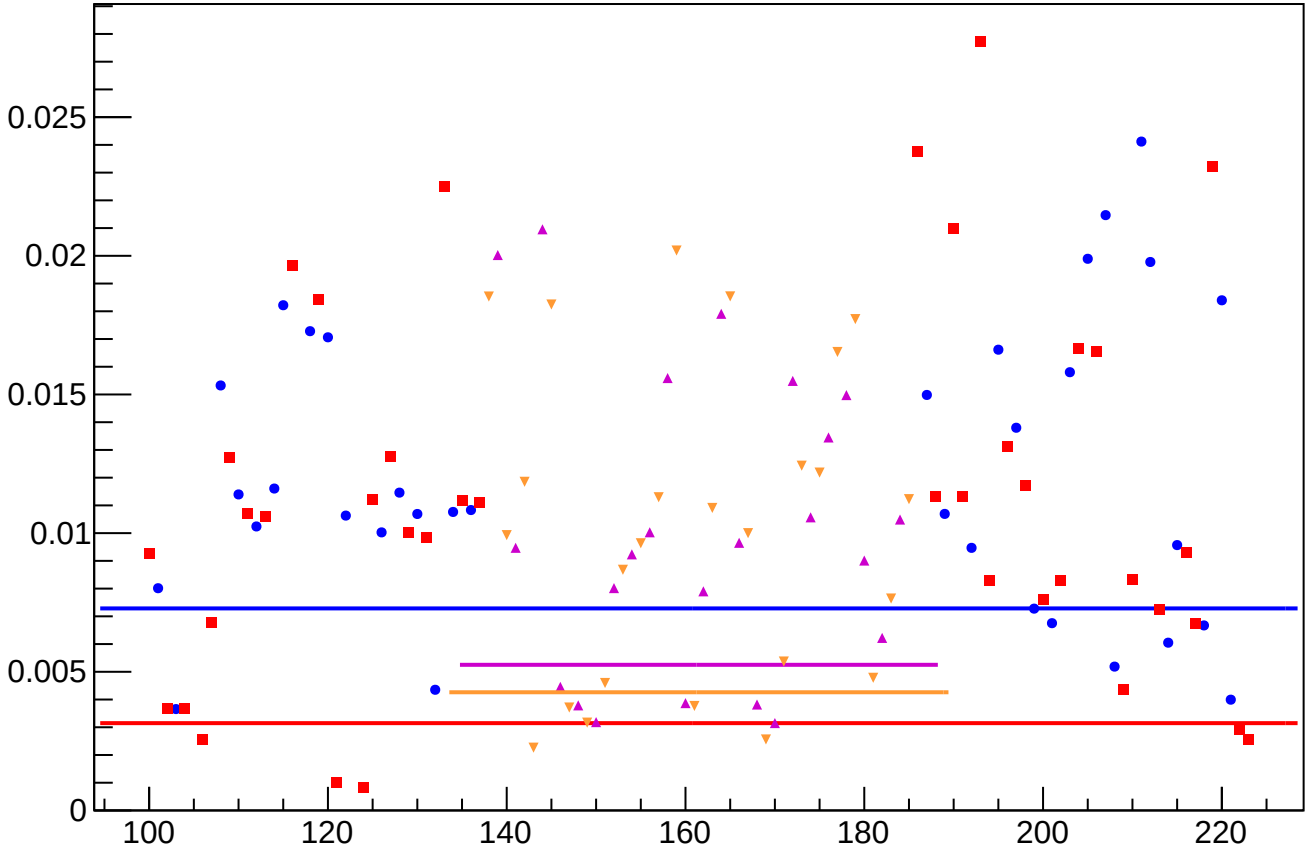
Right: 0.000+/-0.000 χ^2/NDF: 106.9/72

In: -0.000+/-0.000 χ^2/NDF:73.7/56

Out: -0.000+/-0.000 χ^2/NDF:95.4/63

All: -0.000+/-0.000 χ^2/NDF: 169.1/120

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

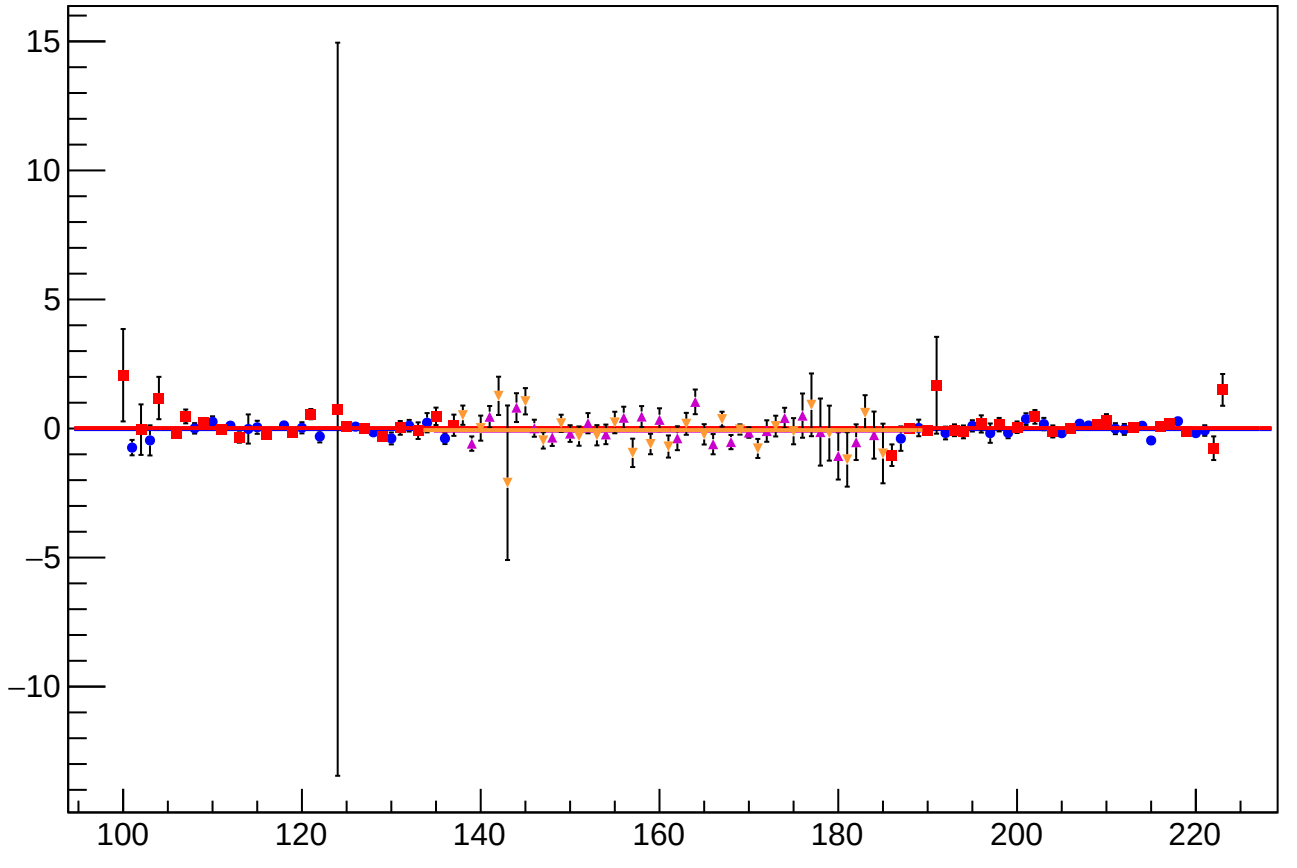
Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

Right: 0.004+/-0.000 χ^2/NDF: 40378081.2/72

In: 0.006+/-0.000 χ^2/NDF:20605564.0/56

Out: 0.004+/-0.000 χ^2/NDF:37012161.3/63

All: 0.004+/-0.000 χ^2/NDF: 63728035.1/120



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

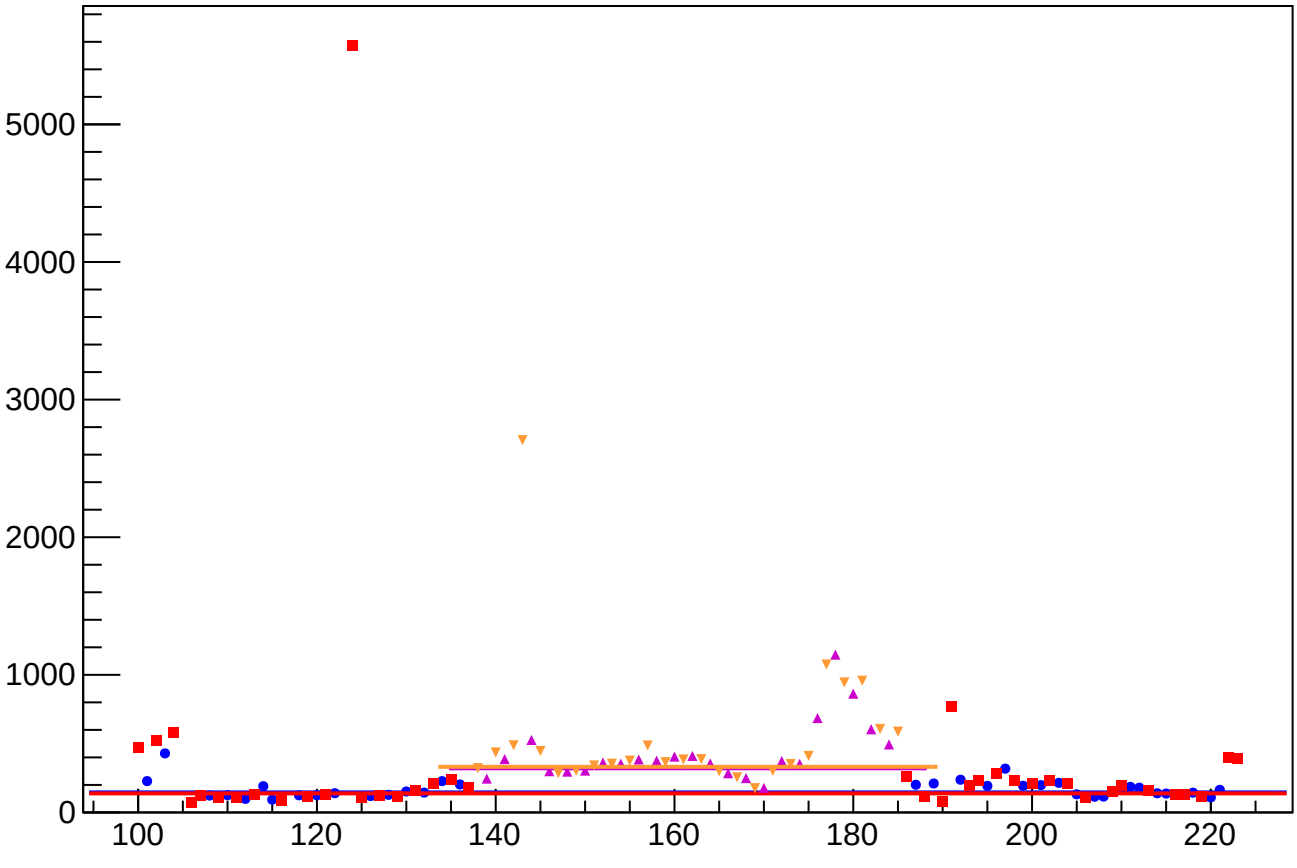
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.002+/-0.024 χ^2/NDF: 99.0/72

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.007+/-0.031 χ^2/NDF:85.8/63

All: -0.012+/-0.022 χ^2/NDF: 158.1/120



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

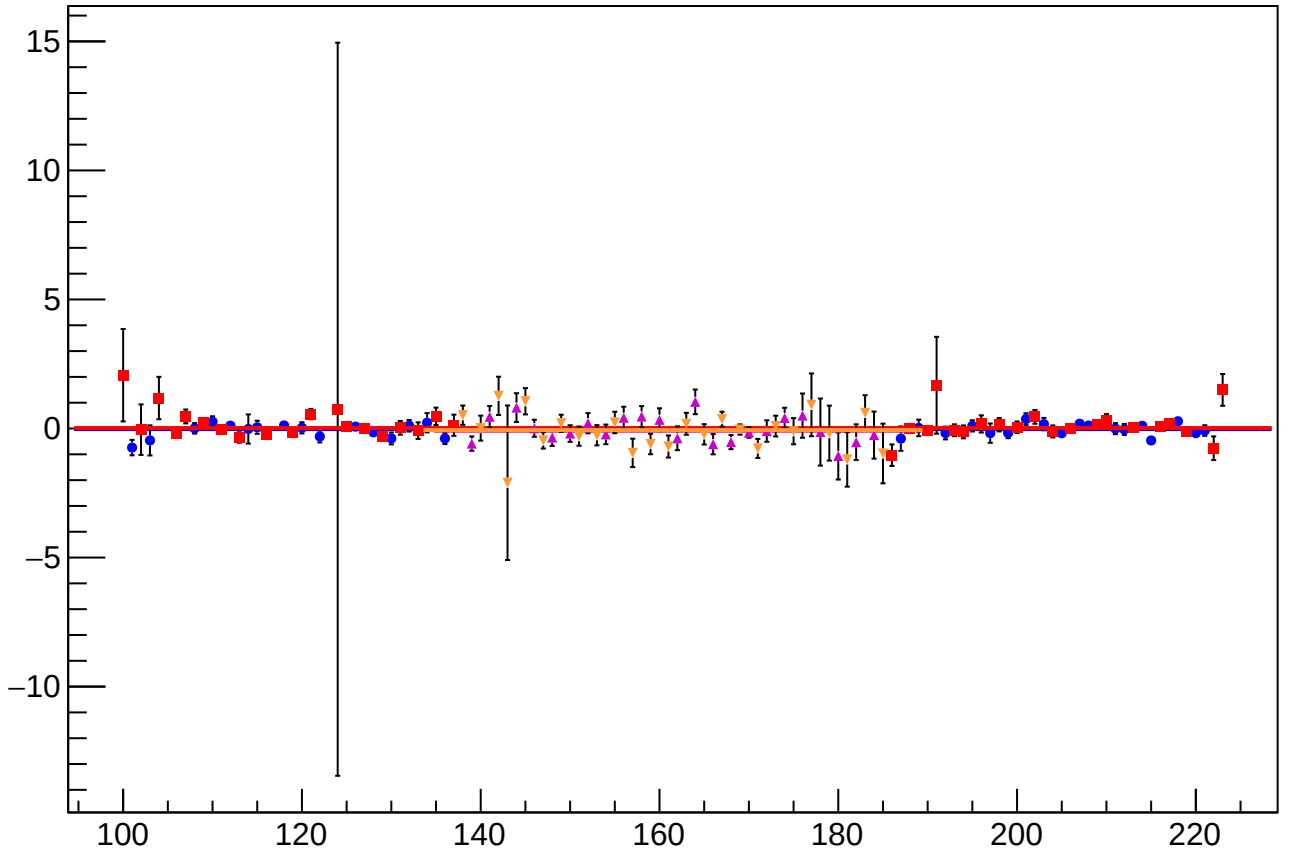
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 142.012+/-0.017 χ^2/NDF: 9368522.9/72

In: 171.859+/-0.022 χ^2/NDF:15333125.3/56

Out: 164.598+/-0.022 χ^2/NDF:21203776.3/63

All: 168.158+/-0.016 χ^2/NDF: 36591551.9/12



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

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

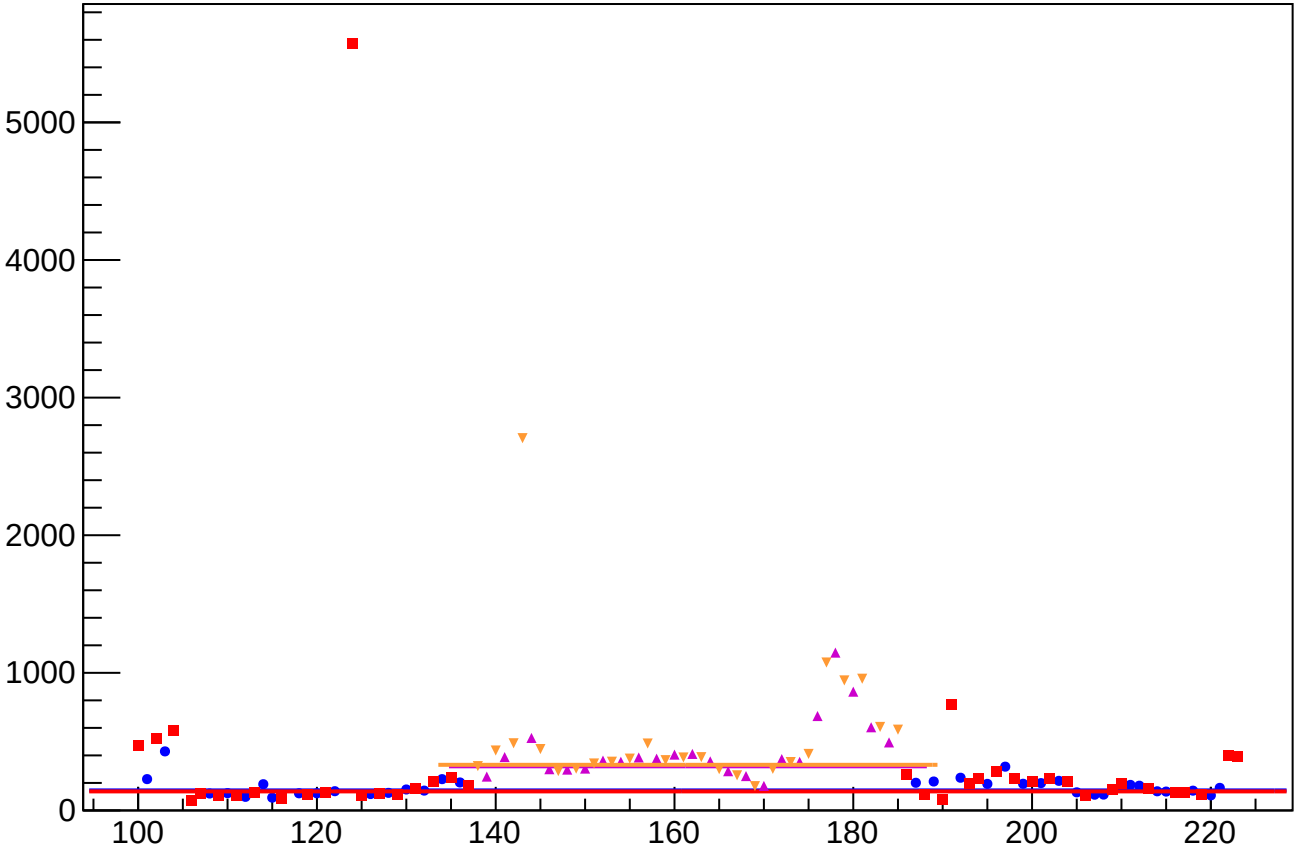
Right: -0.002+/-0.024 χ^2/NDF: 99.0/72

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.007+/-0.031 χ^2/NDF:85.8/63

All: -0.012+/-0.022 χ^2/NDF: 158.1/120

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

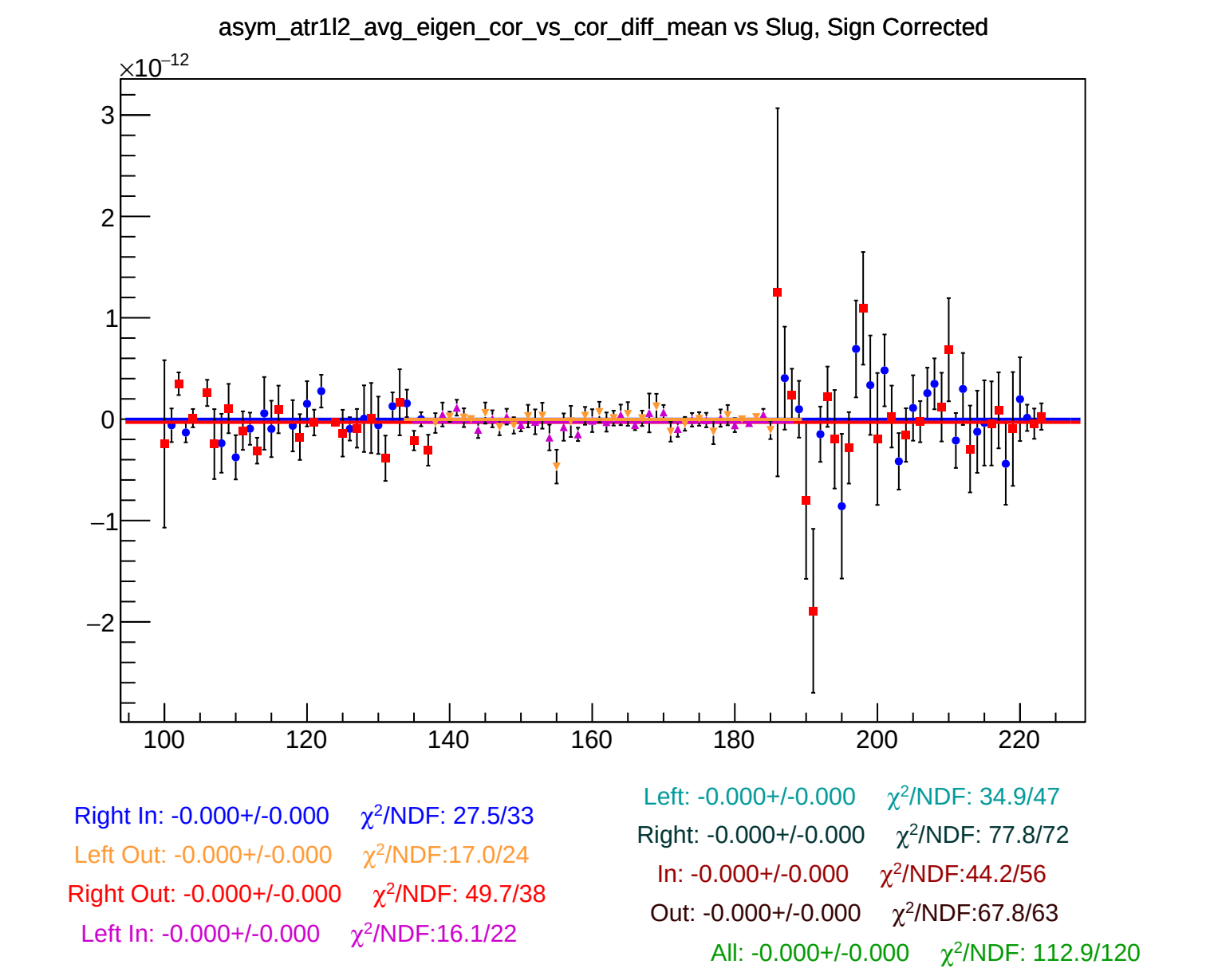
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 142.012+/-0.017 χ^2/NDF: 9368522.9/72

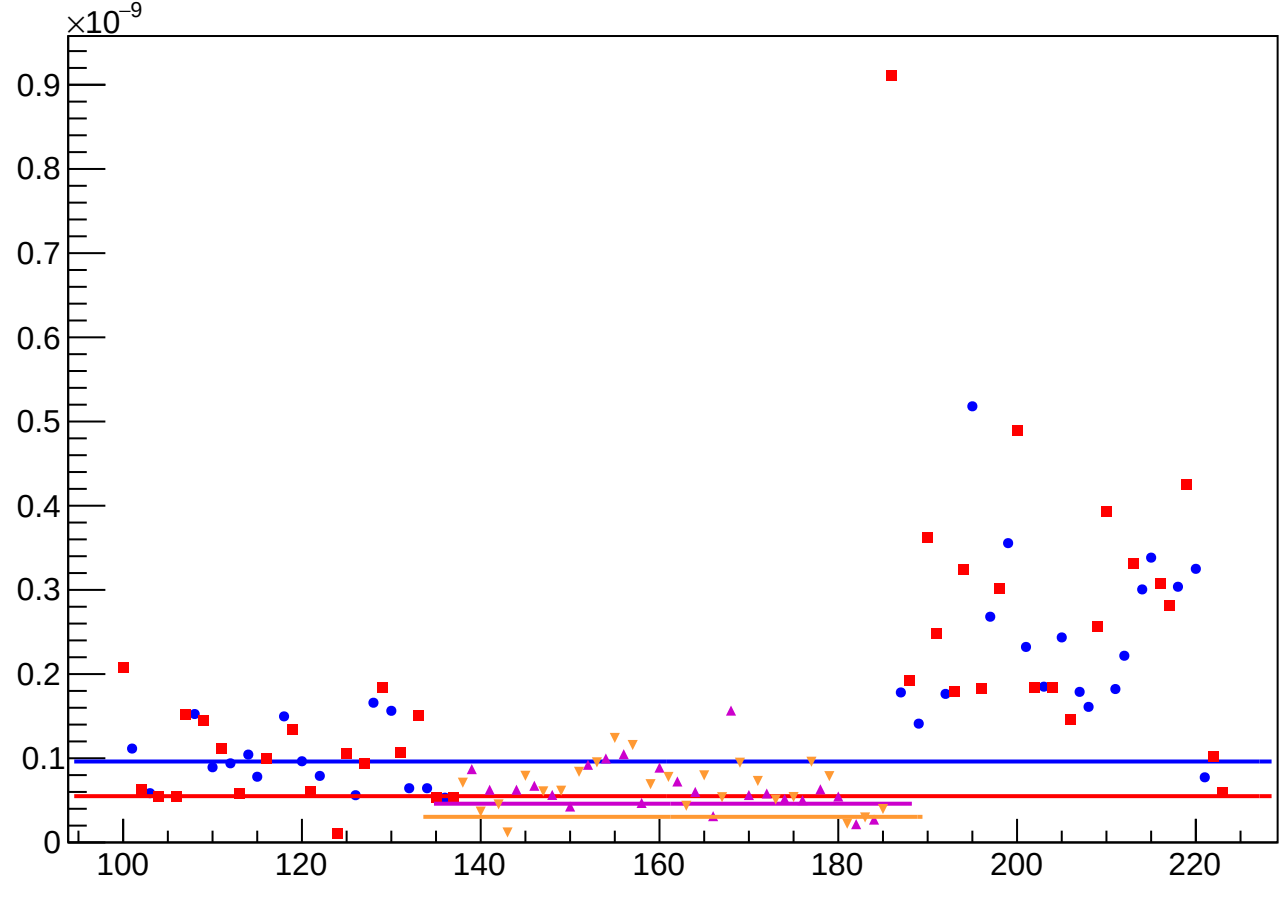
In: 171.859+/-0.022 χ^2/NDF:15333125.3/56

Out: 164.598+/-0.022 χ^2/NDF:21203776.3/63

All: 168.158+/-0.016 χ^2/NDF: 36591551.9/12


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
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
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 77.8/72
In: -0.000+/-0.000 χ²/NDF:44.2/56
Out: -0.000+/-0.000 χ²/NDF:67.8/63
All: -0.000+/-0.000 χ²/NDF: 112.9/120

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

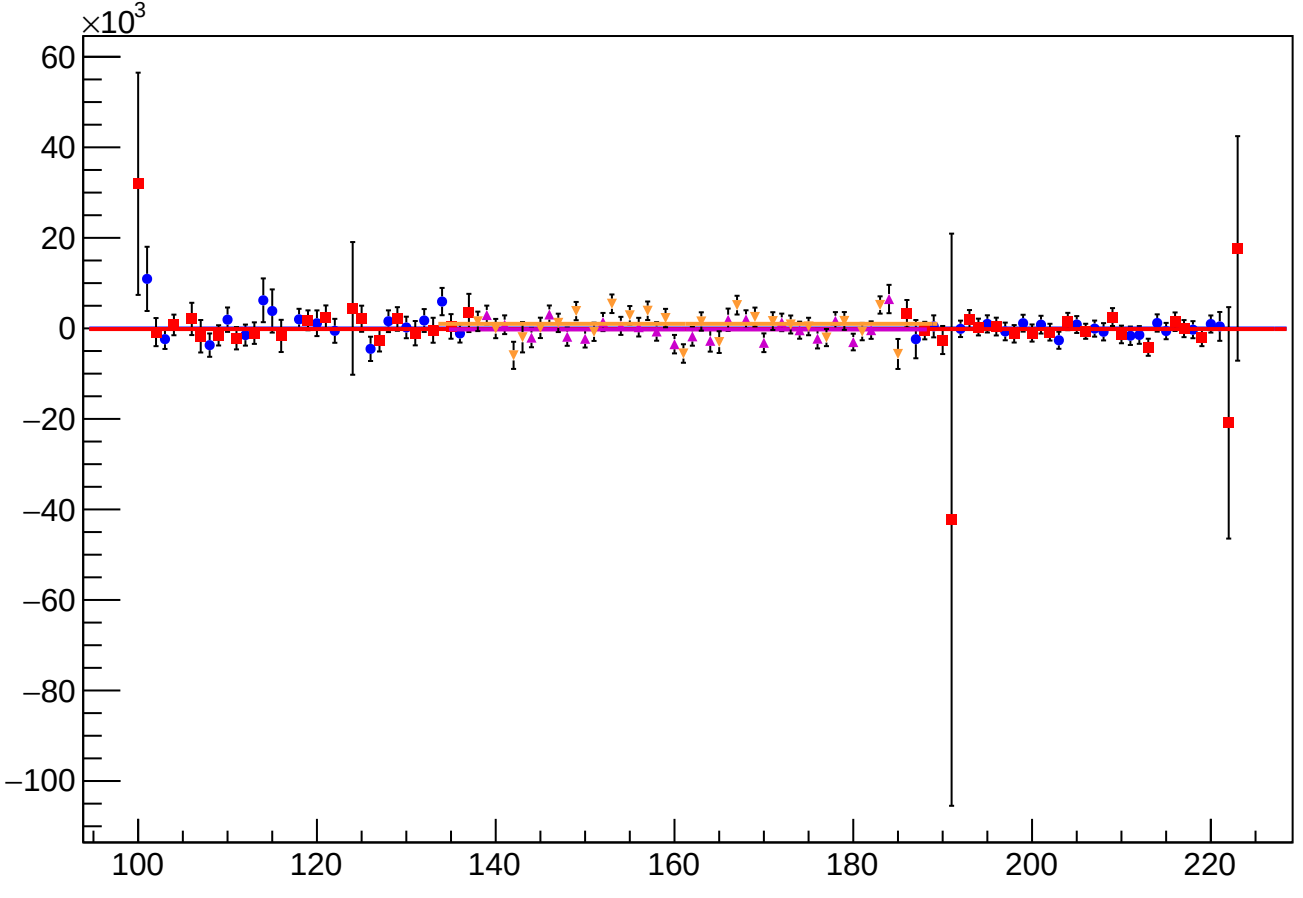
Right: 0.000+/-0.000 χ^2/NDF: 25106997.3/72

In: 0.000+/-0.000 χ^2/NDF:16597668.7/56

Out: 0.000+/-0.000 χ^2/NDF:27548923.0/63

All: 0.000+/-0.000 χ^2/NDF: 46960742.4/120

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

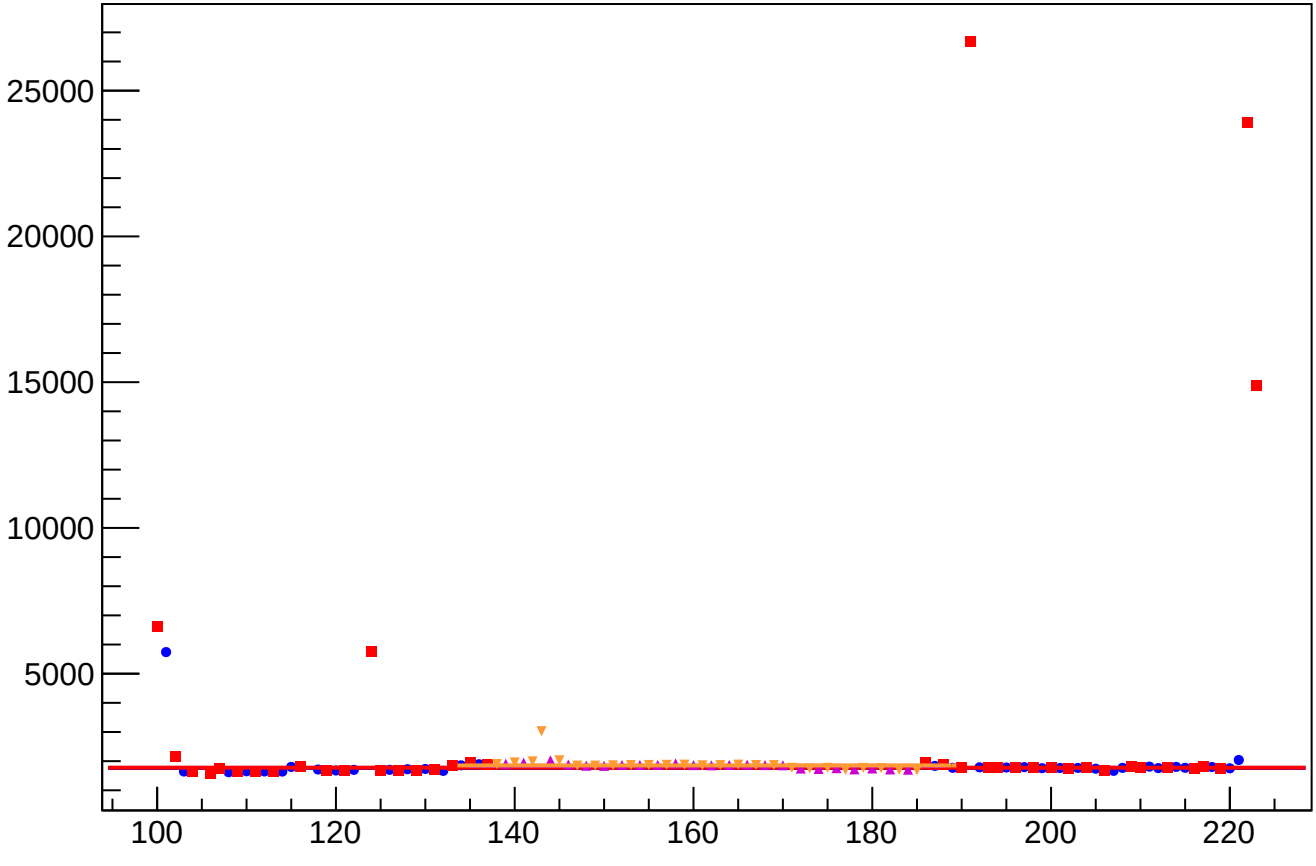
Right: -91.591+/-272.767 χ^2/NDF: 47.0/72

In: -120.087+/-286.515 χ^2/NDF:49.8/56

Out: 375.816+/-285.427 χ^2/NDF:75.1/63

All: 128.808+/-202.211 χ^2/NDF: 126.4/120

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

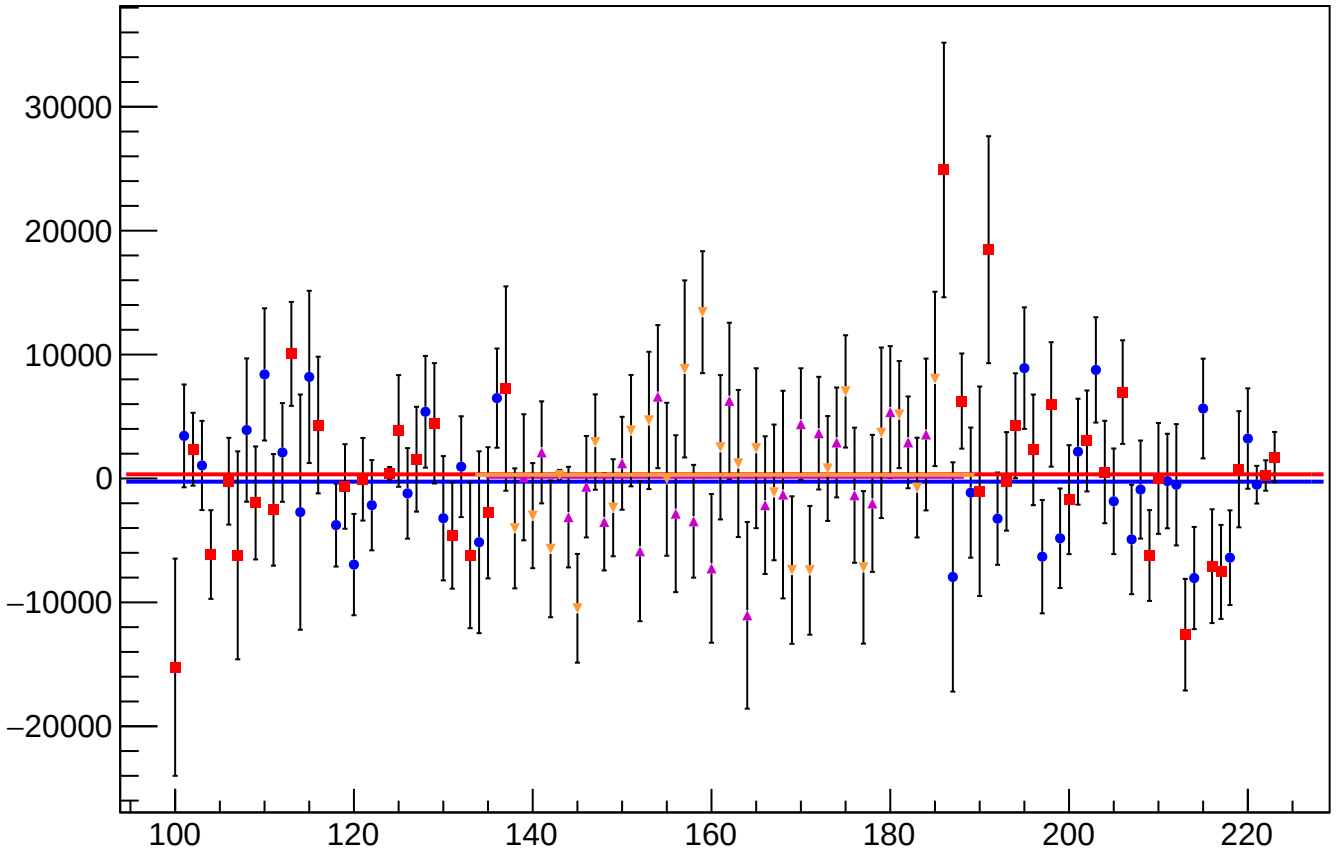
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1770.991+/-0.193 χ^2/NDF: 3403843.3/72

In: 1798.449+/-0.203 χ^2/NDF:795738.8/56

Out: 1810.629+/-0.202 χ^2/NDF:3064449.1/63

All: 1804.571+/-0.143 χ^2/NDF: 3862004.4/12



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

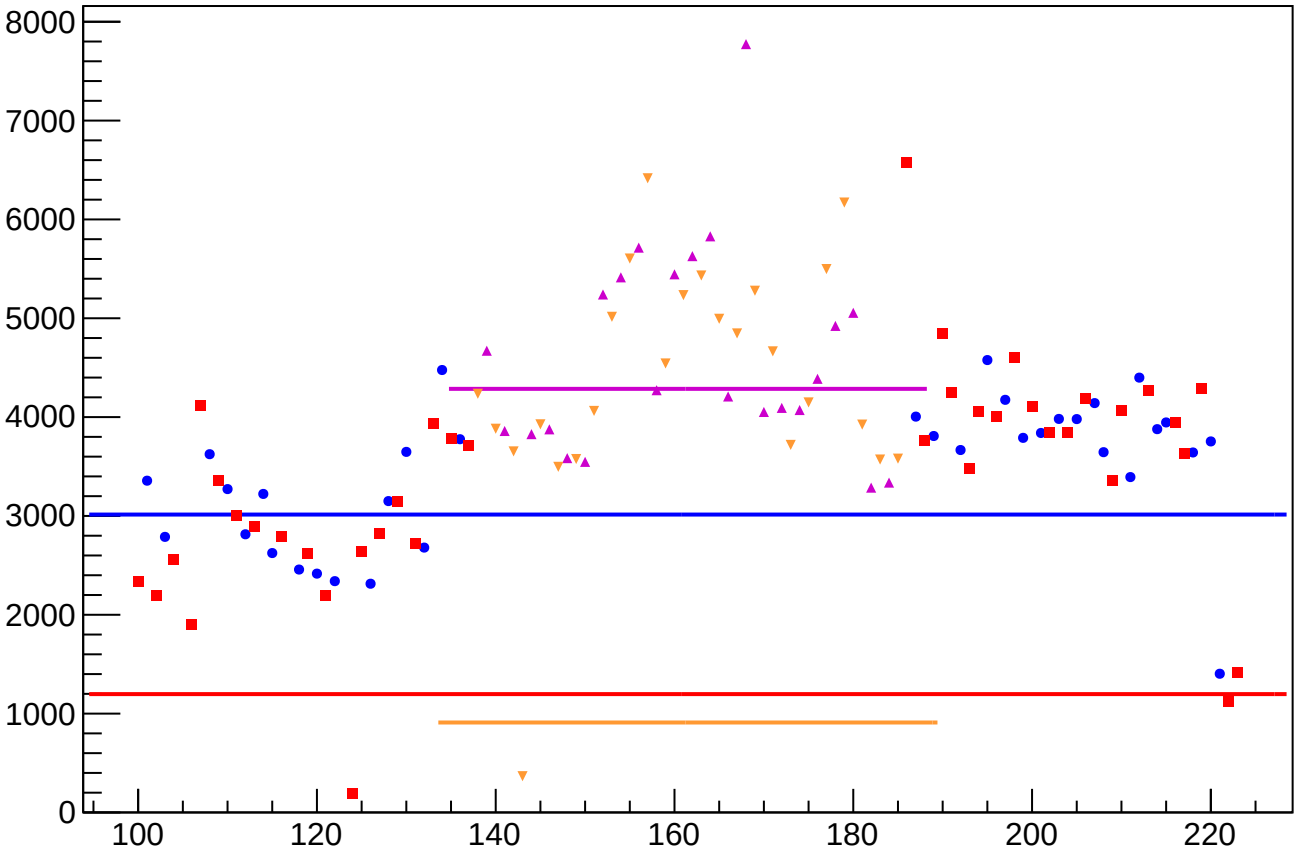
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 186.314+/-338.642 χ^2/NDF: 94.6/72

In: -136.682+/-565.771 χ^2/NDF:52.4/56

Out: 313.327+/-272.370 χ^2/NDF:85.6/63

All: 228.656+/-245.413 χ^2/NDF: 138.6/120



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

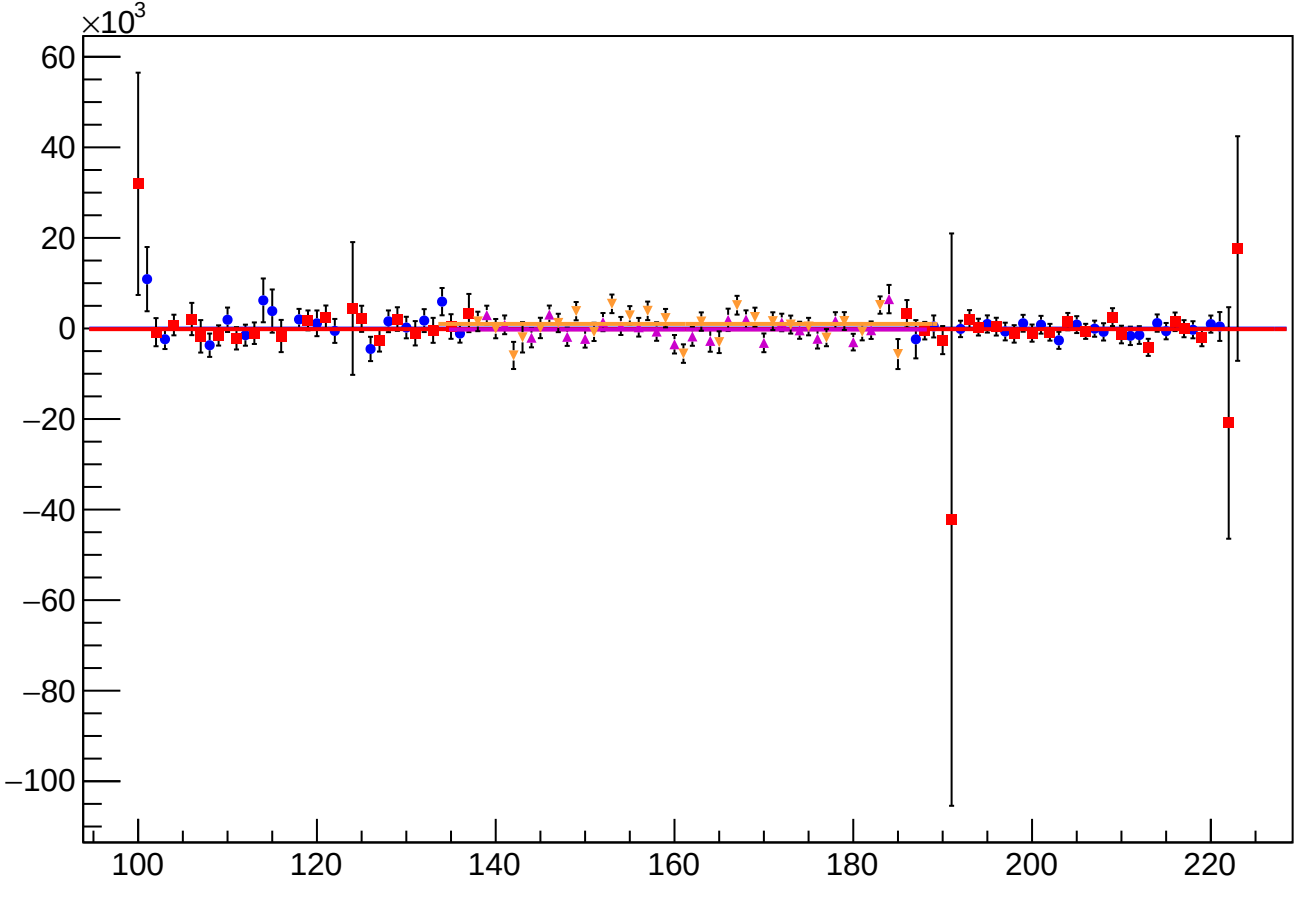
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1649.157+/-0.239 χ^2/NDF: 41378152.1/72

In: 3403.048+/-0.400 χ^2/NDF:7708605.8/56

Out: 1049.774+/-0.193 χ^2/NDF:53721257.6/63

All: 1492.551+/-0.174 χ^2/NDF: 89520836.6/1



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

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

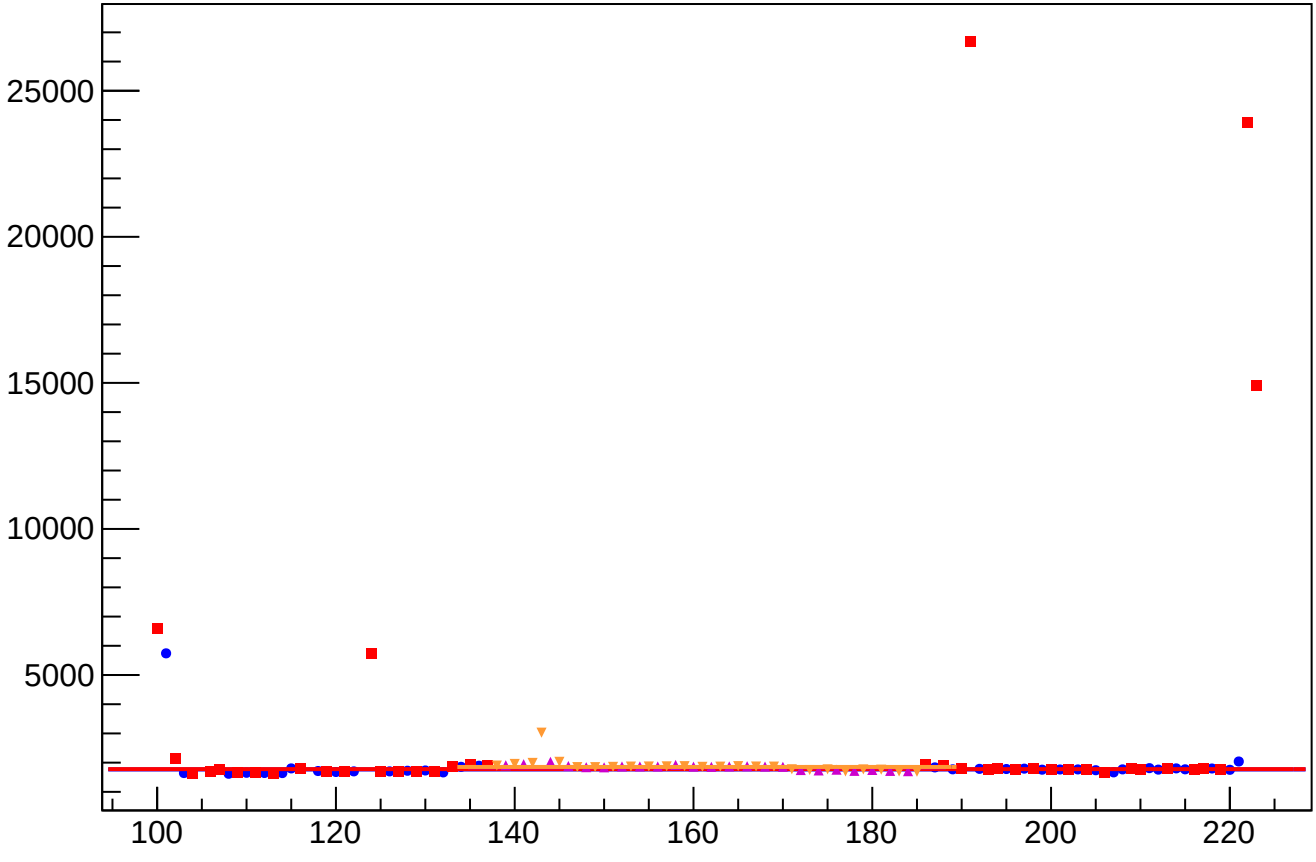
Right: -91.680+/-272.767 χ^2/NDF: 47.0/72

In: -120.146+/-286.515 χ^2/NDF:49.8/56

Out: 375.795+/-285.427 χ^2/NDF:75.1/63

All: 128.768+/-202.211 χ^2/NDF: 126.4/120

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

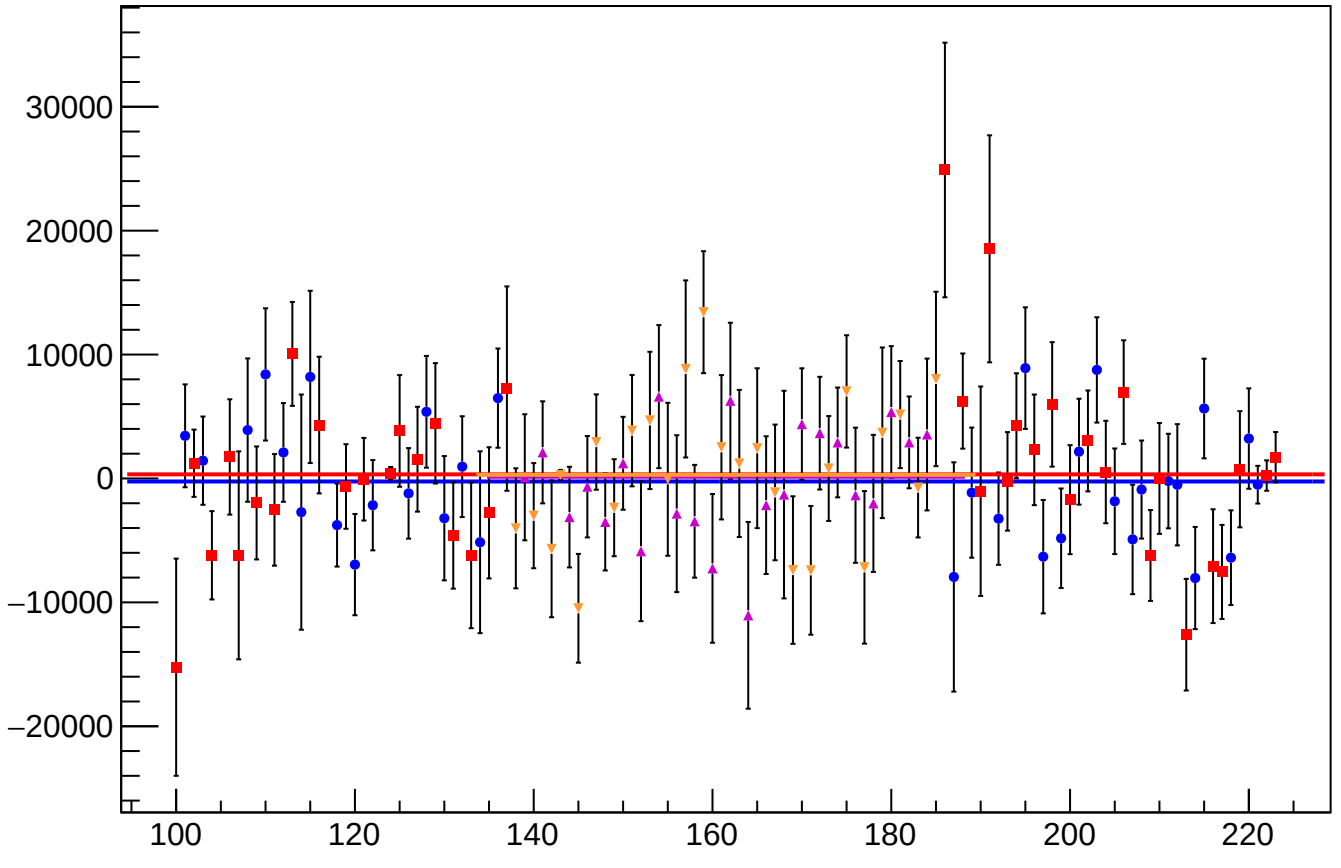
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1772.199+/-0.193 χ^2/NDF: 3395422.3/72

In: 1798.449+/-0.203 χ^2/NDF:795739.1/56

Out: 1812.007+/-0.202 χ^2/NDF:3053388.4/63

All: 1805.259+/-0.143 χ^2/NDF: 3851376.7/12



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

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

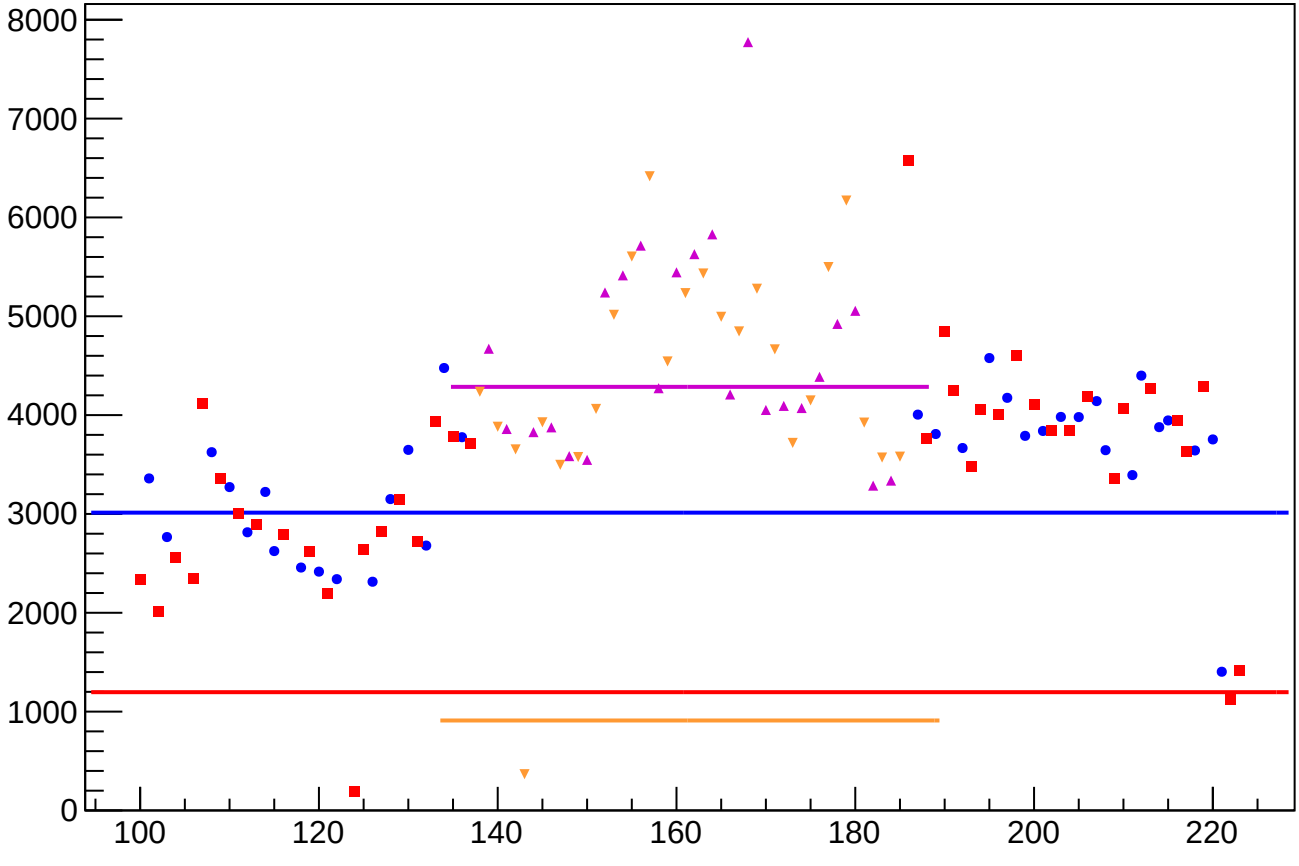
Right: 187.984+/-338.984 χ^2/NDF: 94.5/72

In: -126.351+/-565.632 χ^2/NDF:52.5/56

Out: 312.685+/-272.574 χ^2/NDF:85.5/63

All: 229.945+/-245.550 χ^2/NDF: 138.4/120

asym_atr1l2_dd_cor_correction_rms vs Slug, Sign Corrected



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

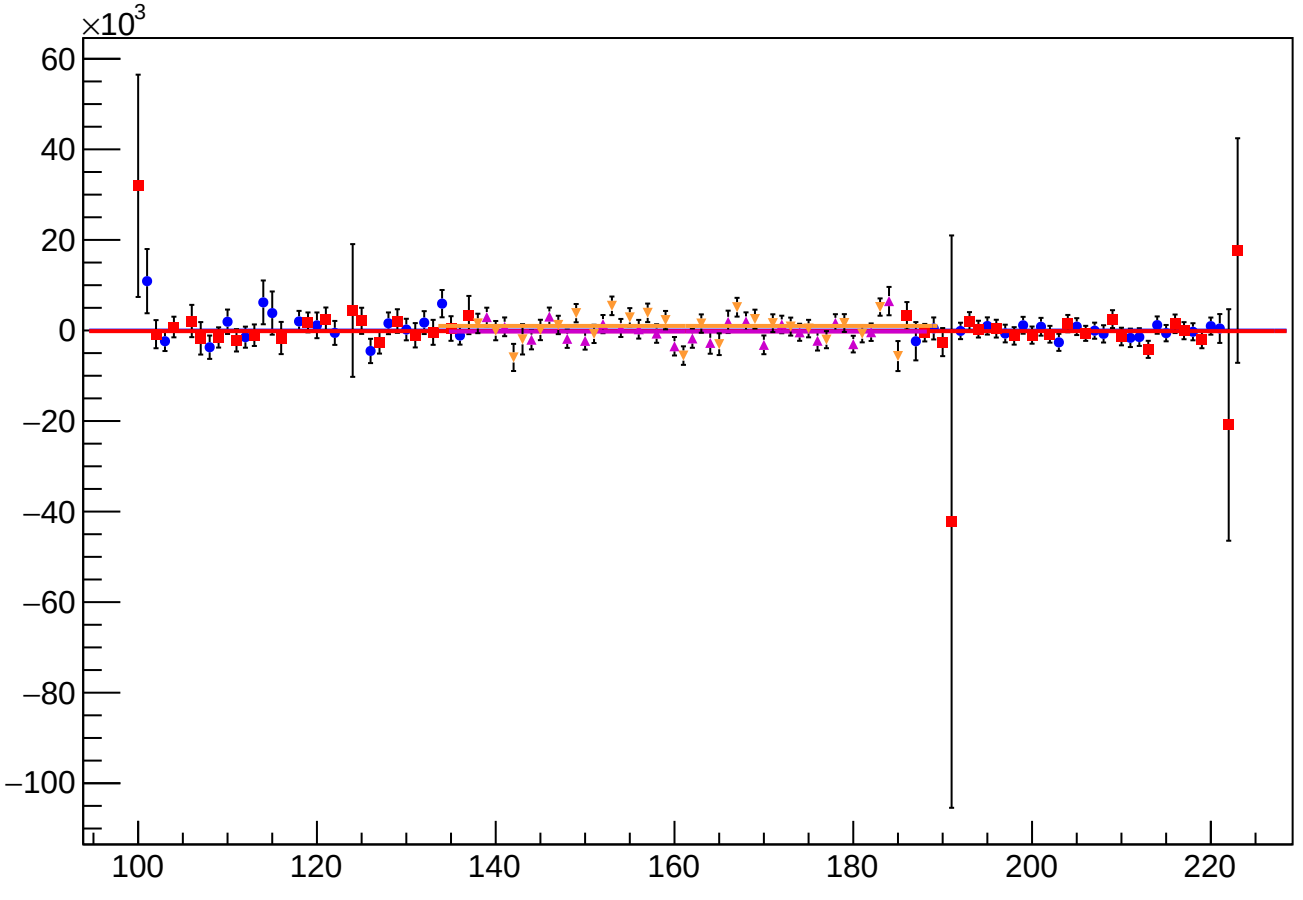
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1649.612+/-0.240 χ^2/NDF: 41352672.8/72

In: 3402.227+/-0.400 χ^2/NDF:7713991.4/56

Out: 1049.279+/-0.193 χ^2/NDF:53692622.1/63

All: 1492.710+/-0.174 χ^2/NDF: 89493158.1/1



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

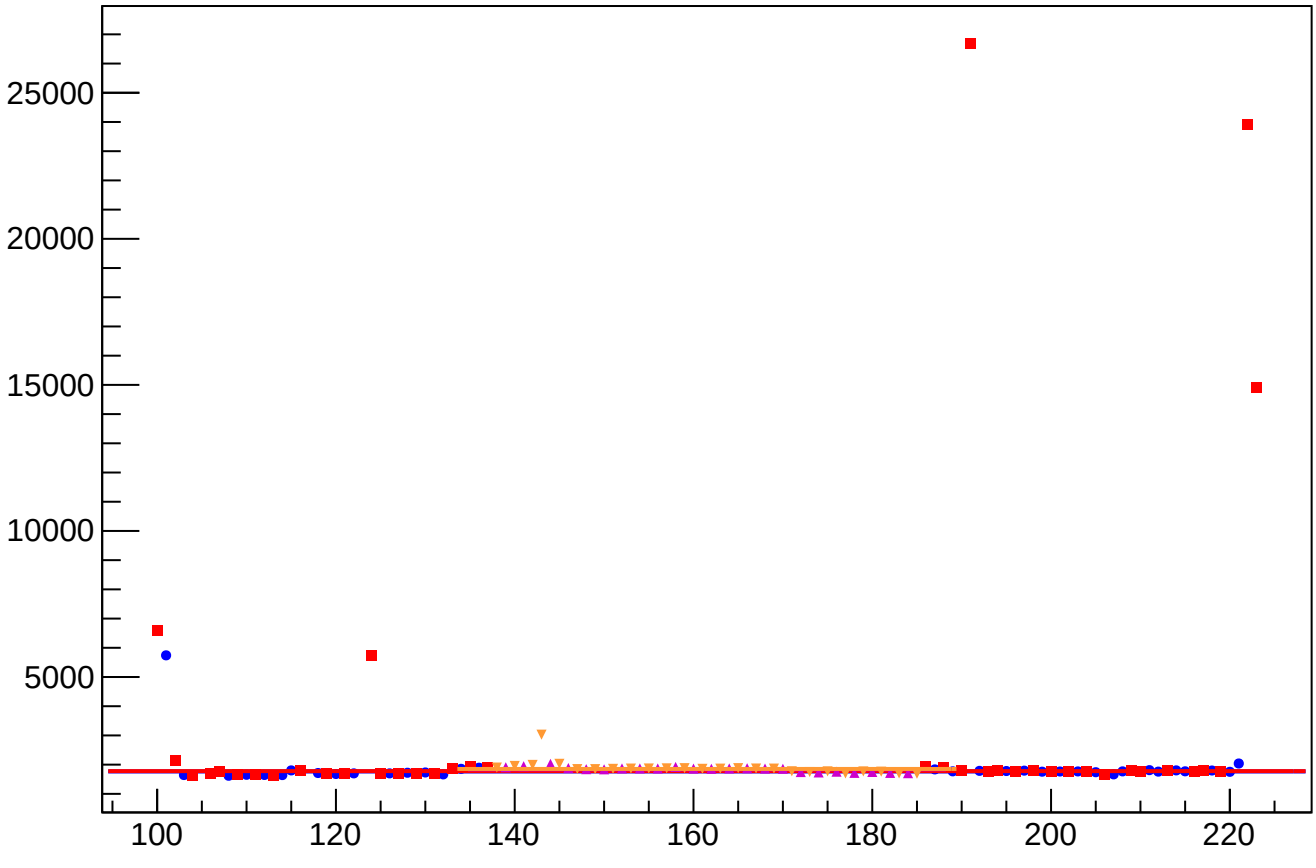
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -91.680+/-272.767 χ^2/NDF: 47.0/72

In: -120.146+/-286.515 χ^2/NDF:49.8/56

Out: 375.795+/-285.427 χ^2/NDF:75.1/63

All: 128.768+/-202.211 χ^2/NDF: 126.4/120



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

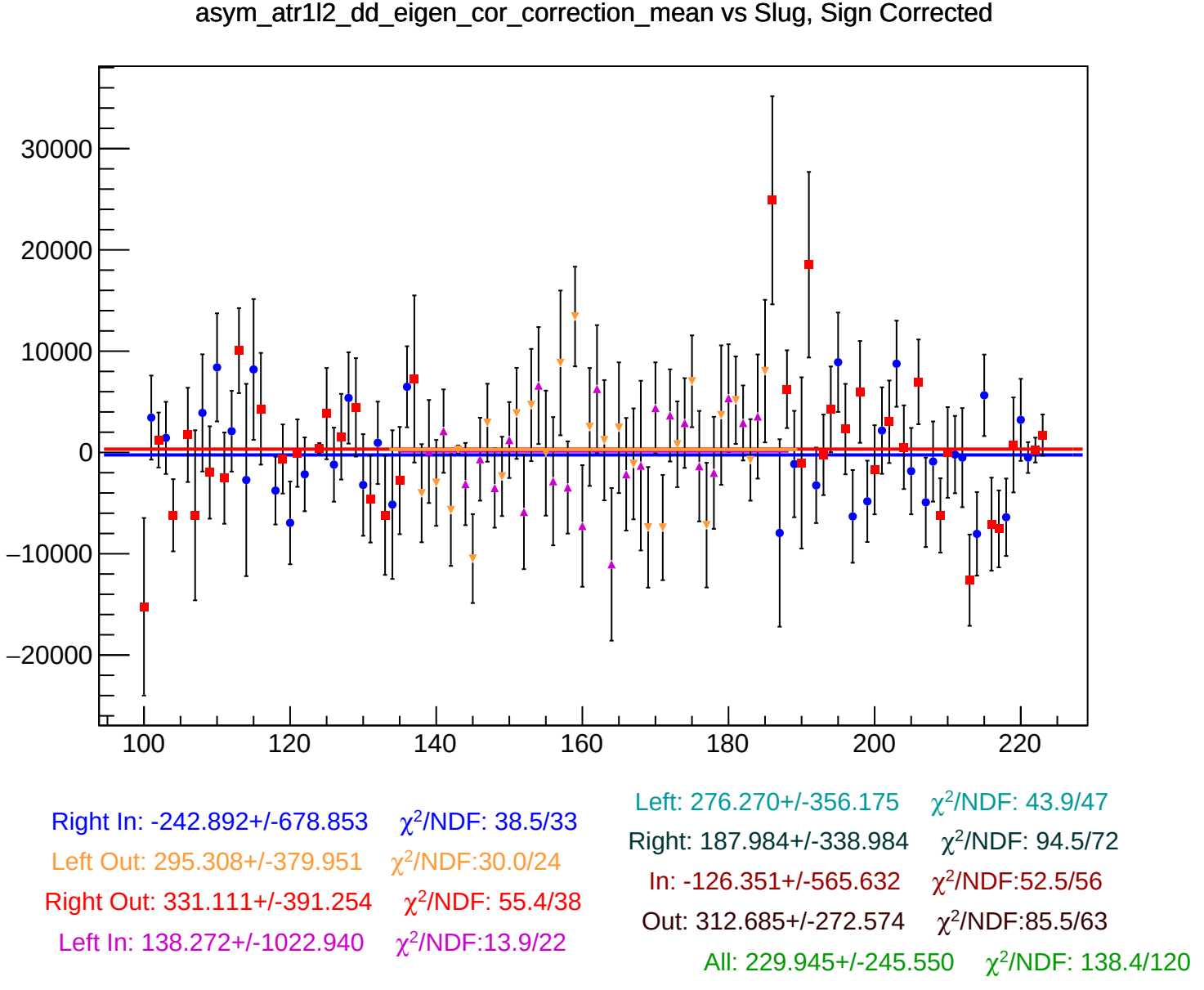
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1772.199+/-0.193 χ^2/NDF: 3395422.3/72

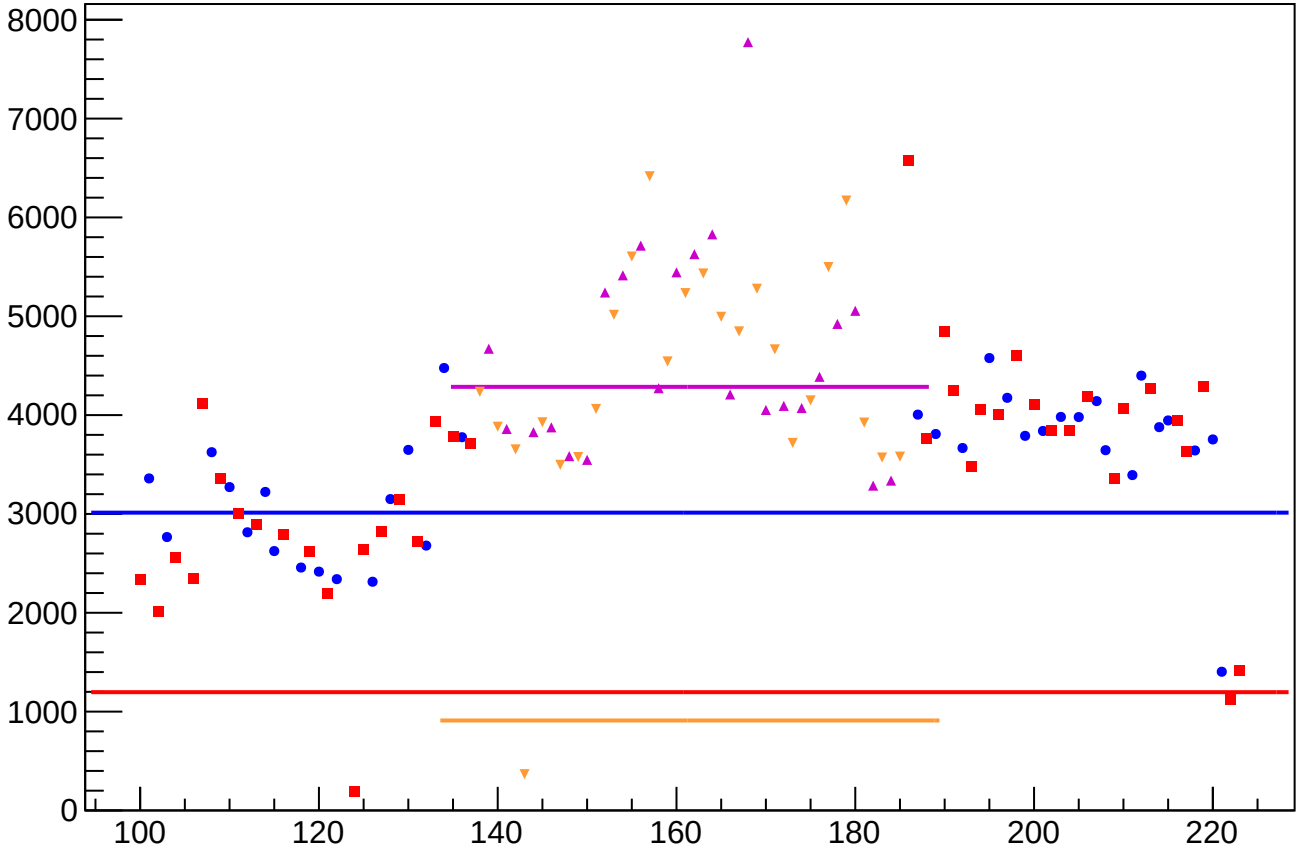
In: 1798.449+/-0.203 χ^2/NDF:795739.1/56

Out: 1812.007+/-0.202 χ^2/NDF:3053388.4/63

All: 1805.259+/-0.143 χ^2/NDF: 3851376.7/12


asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -242.892+/-678.853 χ²/NDF: 38.5/33
Left Out: 295.308+/-379.951 χ²/NDF:30.0/24
Right Out: 331.111+/-391.254 χ²/NDF: 55.4/38
Left In: 138.272+/-1022.940 χ²/NDF:13.9/22
Left: 276.270+/-356.175 χ²/NDF: 43.9/47
Right: 187.984+/-338.984 χ²/NDF: 94.5/72
In: -126.351+/-565.632 χ²/NDF:52.5/56
Out: 312.685+/-272.574 χ²/NDF:85.5/63
All: 229.945+/-245.550 χ²/NDF: 138.4/120

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

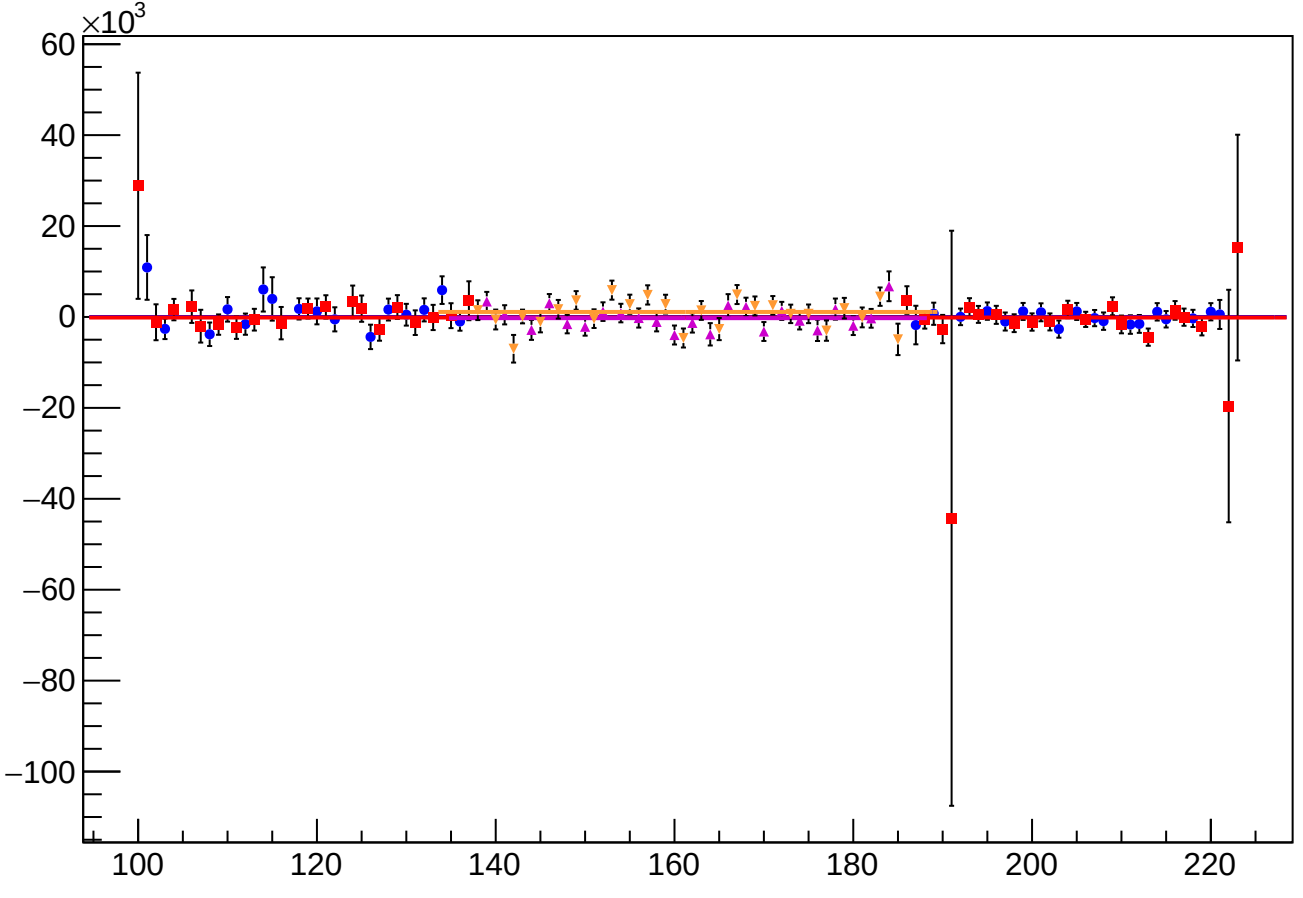
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1649.612+/-0.240 χ^2/NDF: 41352672.8/72

In: 3402.227+/-0.400 χ^2/NDF:7713991.4/56

Out: 1049.279+/-0.193 χ^2/NDF:53692622.1/63

All: 1492.710+/-0.174 χ^2/NDF: 89493158.1/1



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

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

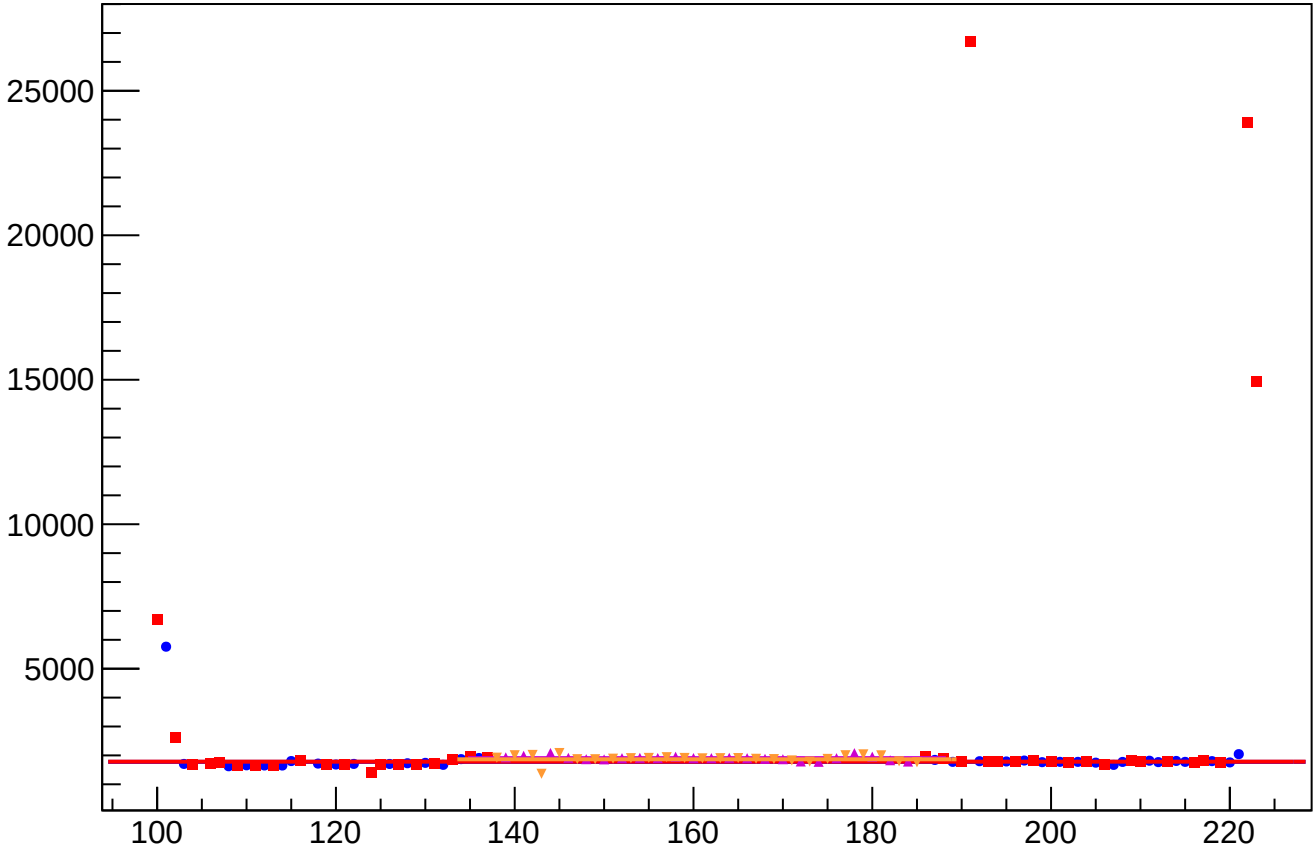
Right: -65.864+/-273.837 χ^2/NDF: 49.9/72

In: -118.444+/-291.863 χ^2/NDF:51.6/56

Out: 433.744+/-286.695 χ^2/NDF:75.4/63

All: 162.582+/-204.527 χ^2/NDF: 128.9/120

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

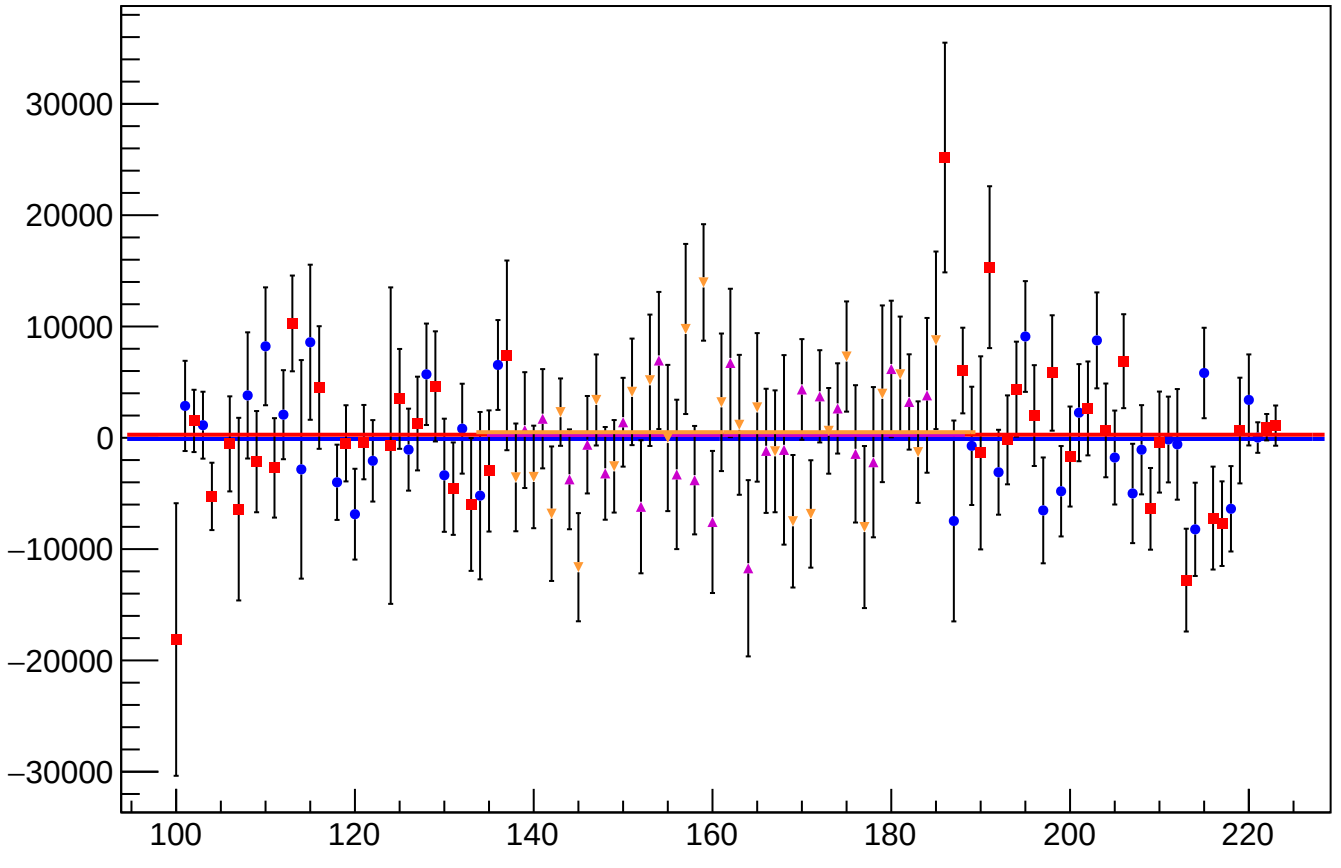
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1779.182+/-0.194 χ^2/NDF: 3324250.3/72

In: 1831.320+/-0.206 χ^2/NDF:844215.1/56

Out: 1820.150+/-0.203 χ^2/NDF:2965168.4/63

All: 1825.632+/-0.145 χ^2/NDF: 3810875.1/12



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

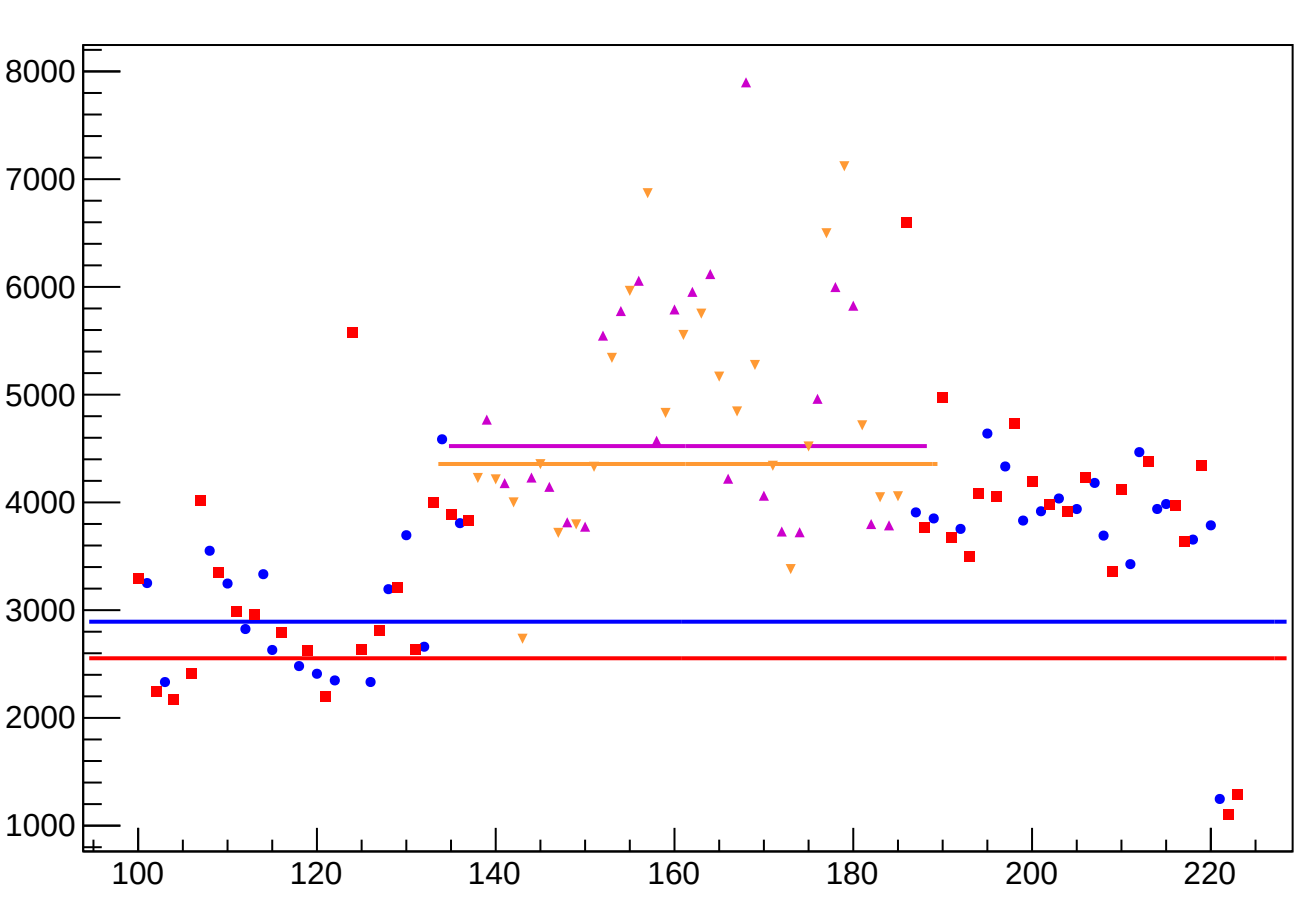
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 106.798+/-442.242 χ^2/NDF: 93.2/72

In: -5.226+/-565.109 χ^2/NDF:52.1/56

Out: 334.338+/-513.342 χ^2/NDF:84.8/63

All: 180.818+/-379.974 χ^2/NDF: 137.0/120



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

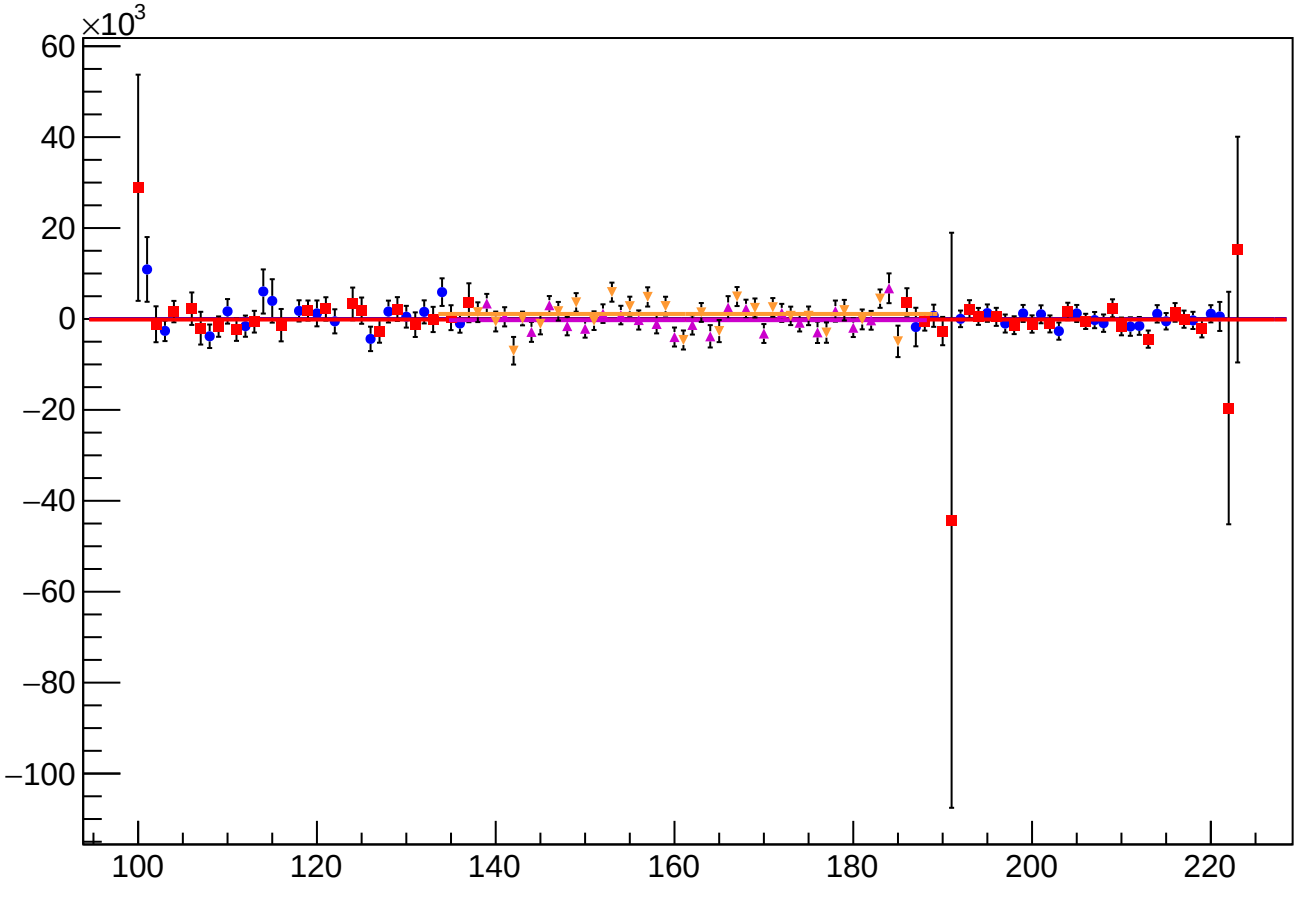
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2704.551+/-0.313 χ^2/NDF: 14347562.5/72

In: 3337.978+/-0.400 χ^2/NDF:10191681.9/56

Out: 3008.657+/-0.363 χ^2/NDF:15171094.7/63

All: 3157.546+/-0.269 χ^2/NDF: 25734908.8/1



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

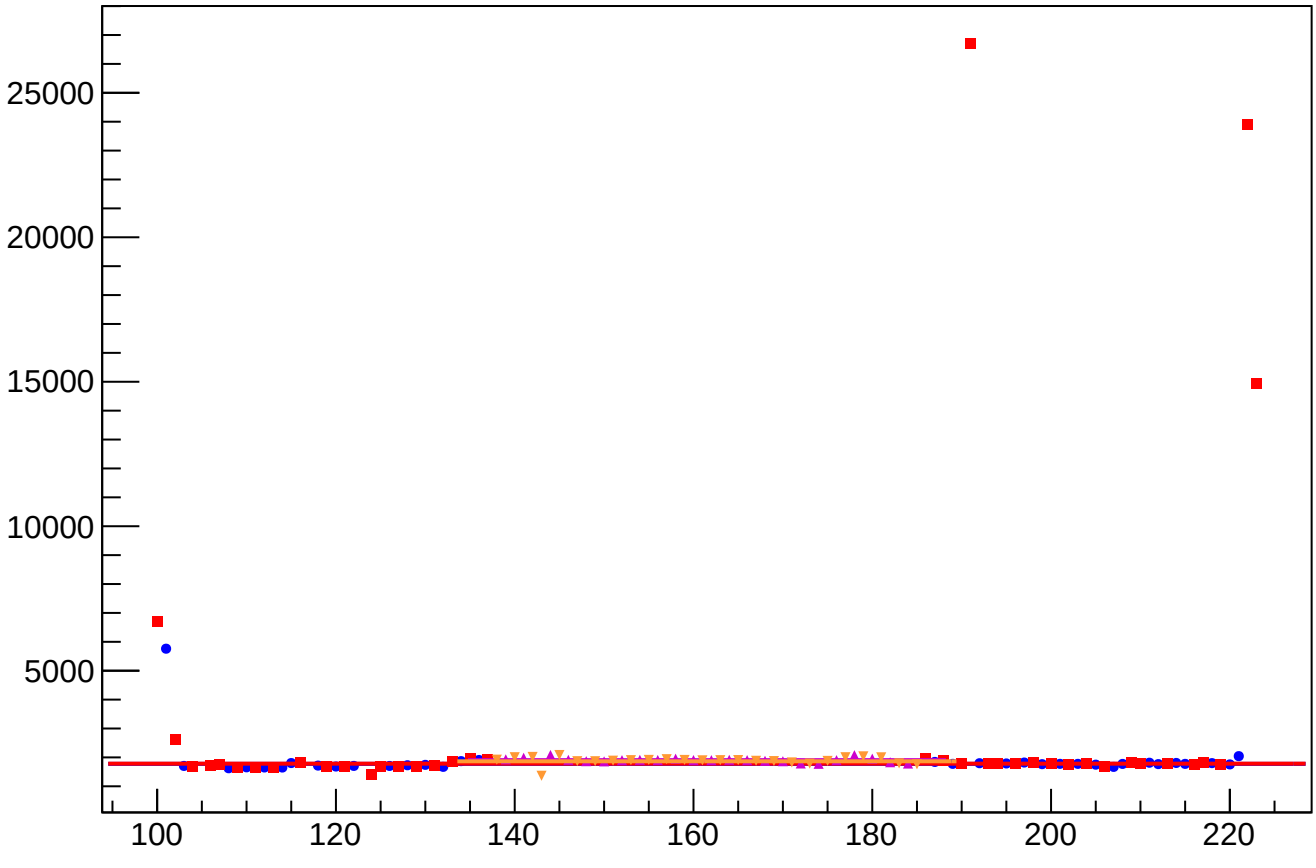
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -65.865+/-273.837 χ^2/NDF: 49.9/72

In: -118.445+/-291.863 χ^2/NDF:51.6/56

Out: 433.745+/-286.695 χ^2/NDF:75.4/63

All: 162.582+/-204.527 χ^2/NDF: 128.9/120



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

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

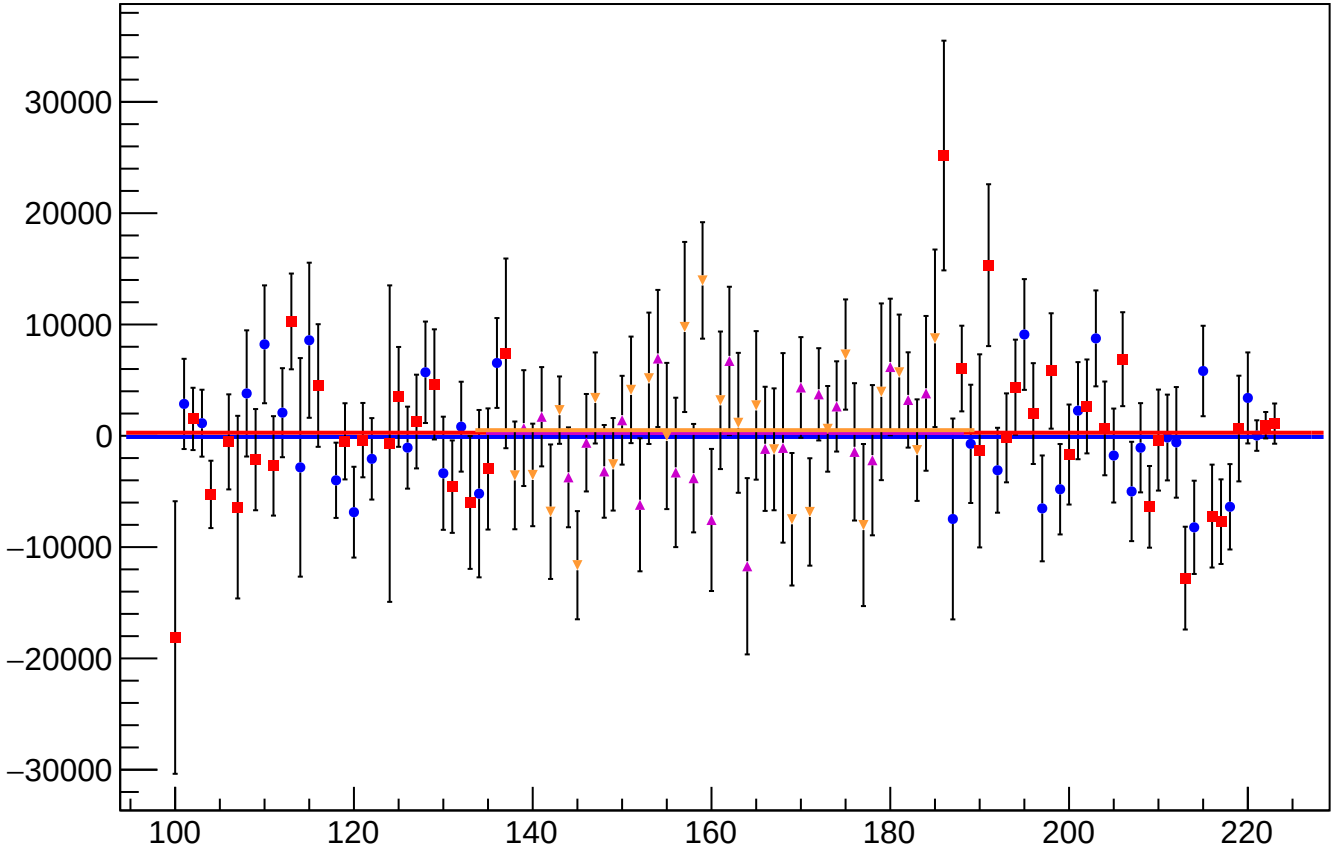
Right: 1779.182+/-0.194 χ^2/NDF: 3324250.3/72

In: 1831.320+/-0.206 χ^2/NDF:844218.8/56

Out: 1820.150+/-0.203 χ^2/NDF:2965172.5/63

All: 1825.632+/-0.145 χ^2/NDF: 3810883.0/12

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

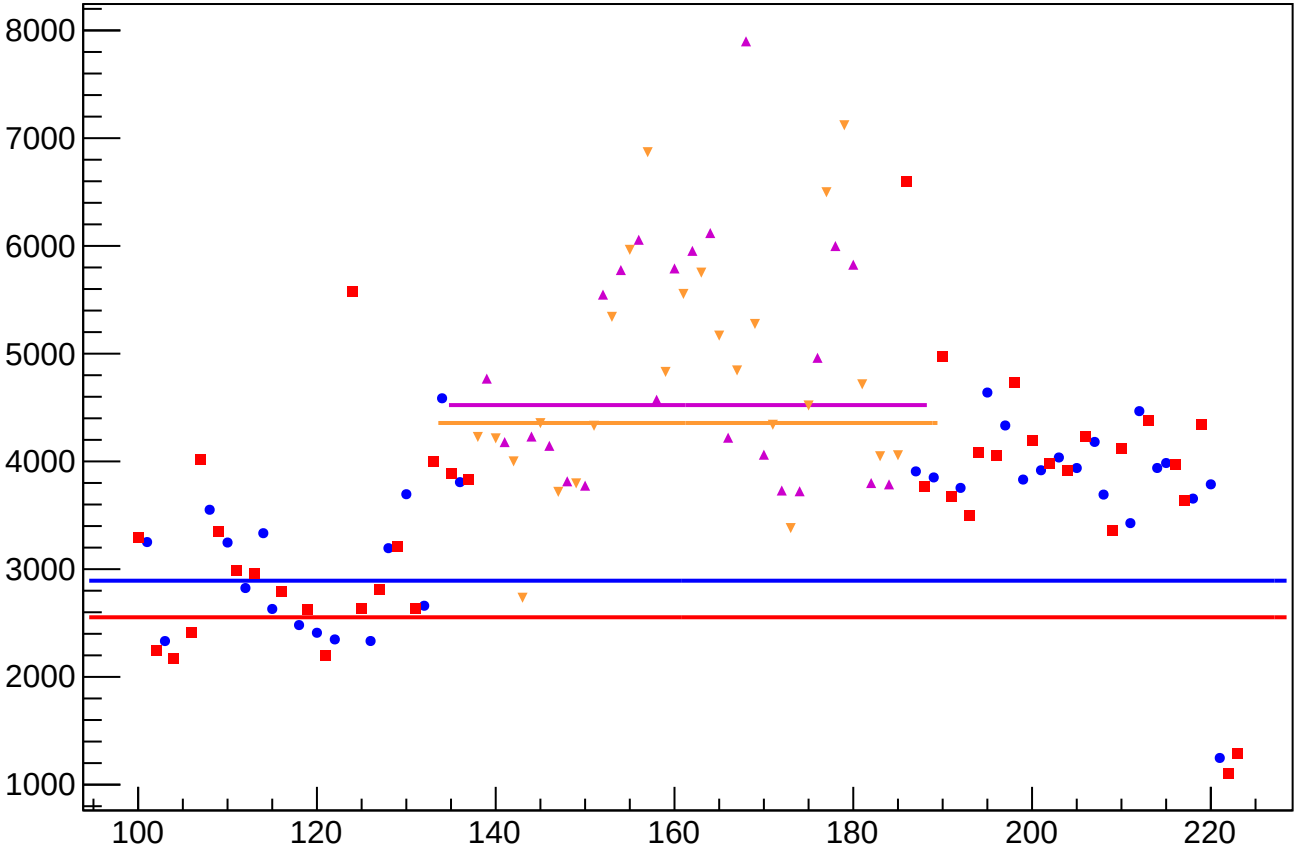
Right: 106.799+/-442.243 χ^2/NDF: 93.2/72

In: -5.223+/-565.110 χ^2/NDF:52.1/56

Out: 334.337+/-513.342 χ^2/NDF:84.8/63

All: 180.819+/-379.974 χ^2/NDF: 137.0/120

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

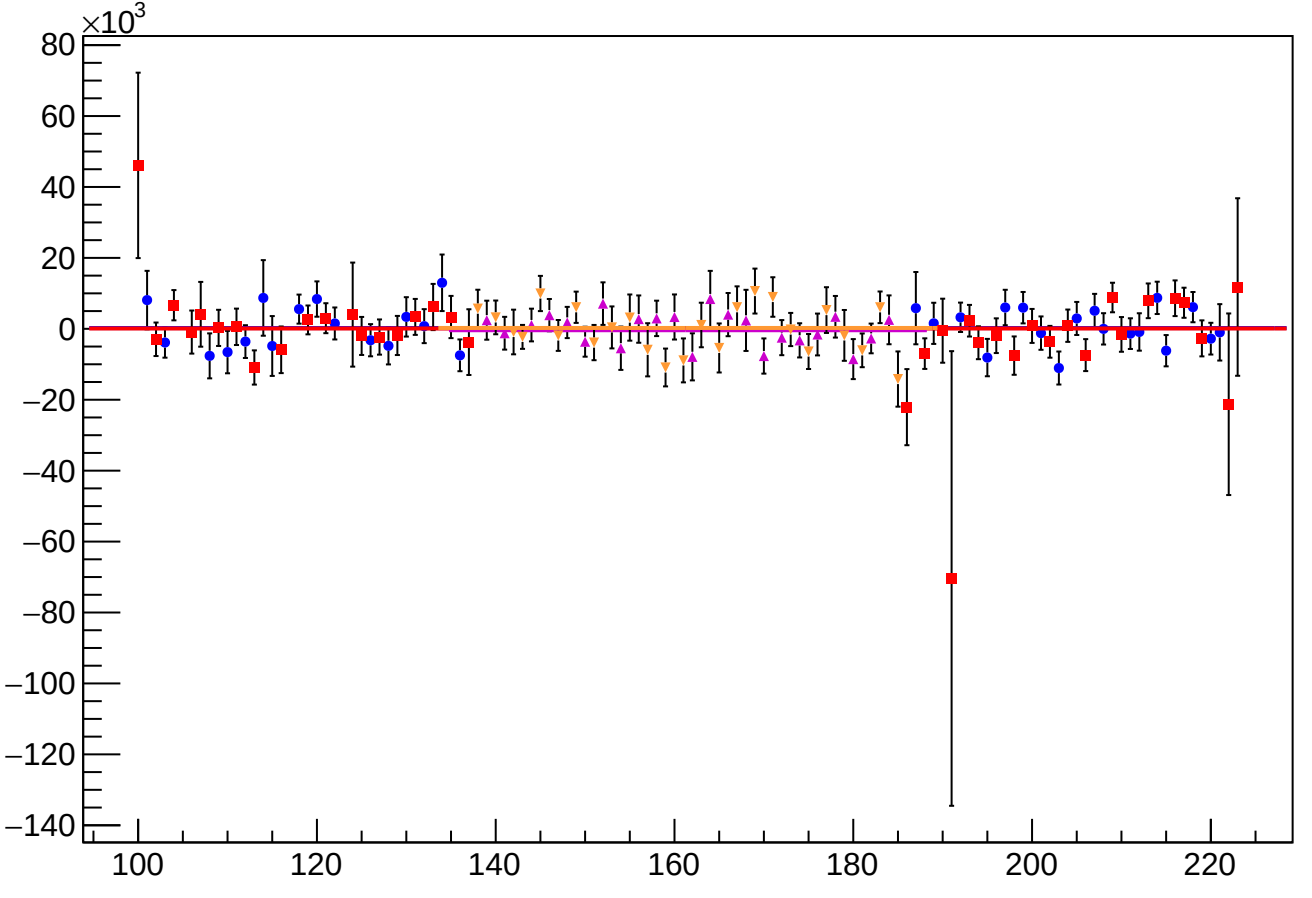
Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

Right: 2704.556+/-0.313 χ^2/NDF: 14347478.0/72

In: 3337.984+/-0.400 χ^2/NDF:10191636.5/56

Out: 3008.661+/-0.363 χ^2/NDF:15171057.0/63

All: 3157.551+/-0.269 χ^2/NDF: 25734829.8/



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

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

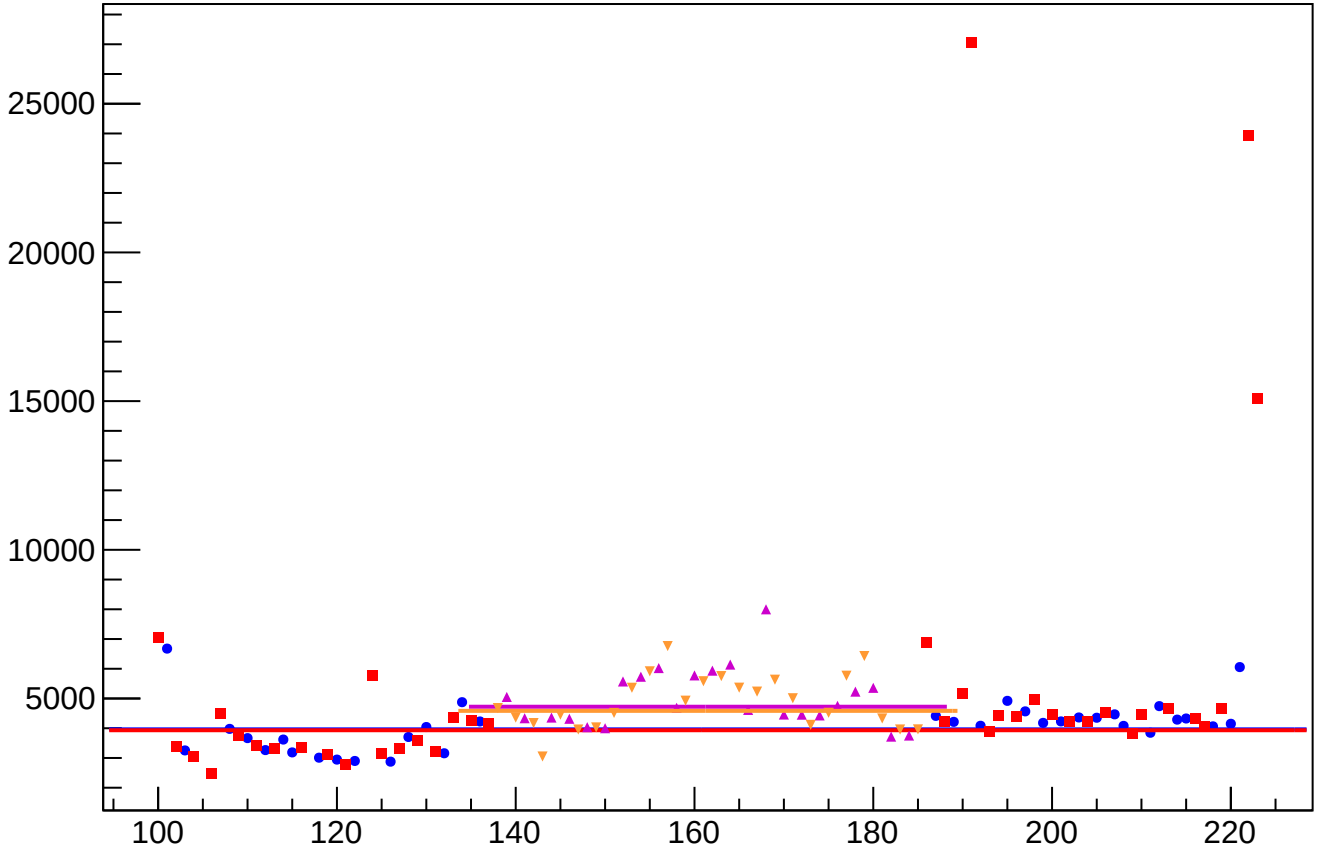
Right: 149.992+/-612.507 χ^2/NDF: 84.3/72

In: -18.965+/-685.225 χ^2/NDF:54.4/56

Out: 151.554+/-672.174 χ^2/NDF:76.4/63

All: 67.934+/-479.847 χ^2/NDF: 130.9/120

asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

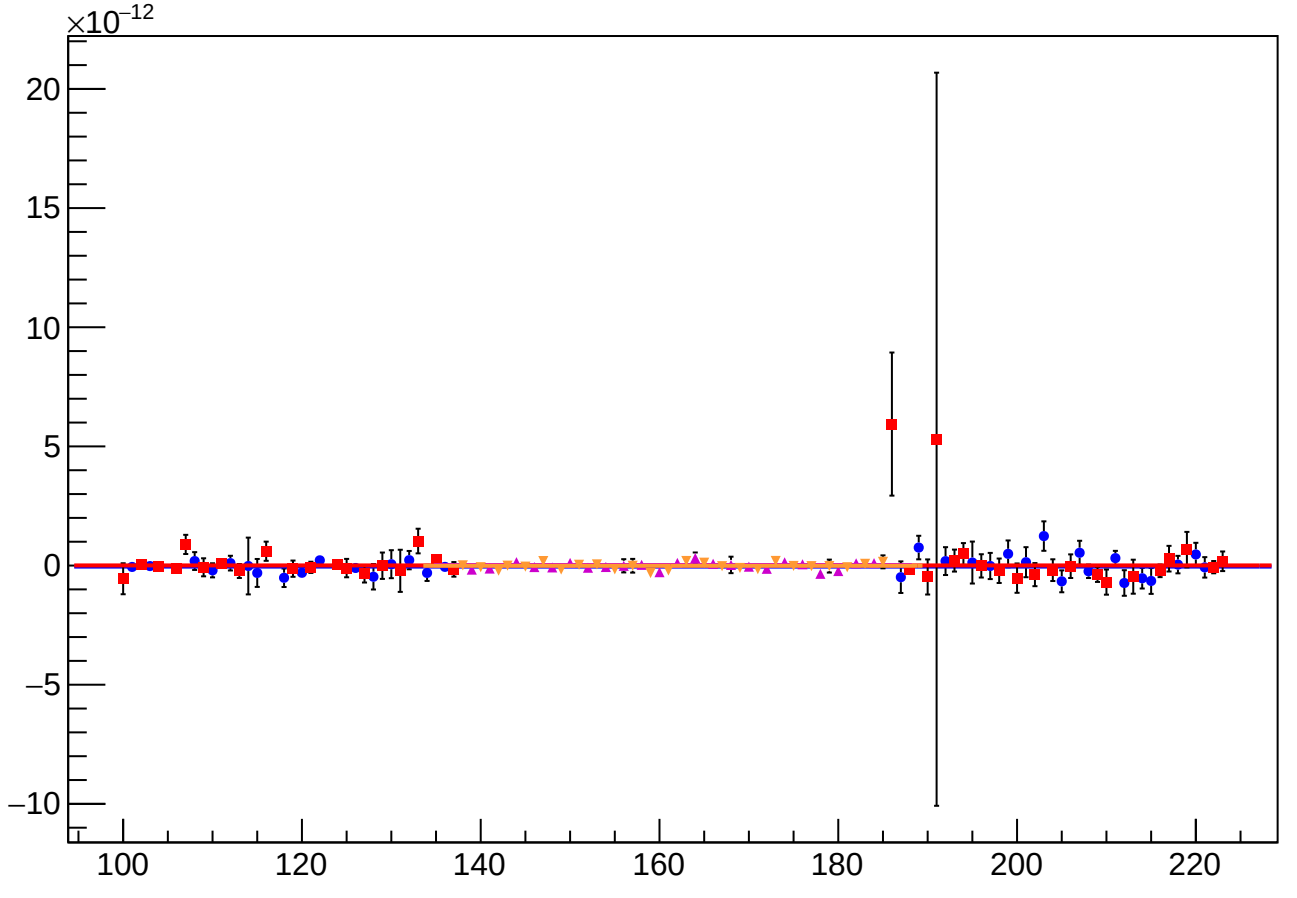
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3947.426+/-0.432 χ^2/NDF: 4430902.6/72

In: 4246.244+/-0.485 χ^2/NDF:2828313.7/56

Out: 4190.668+/-0.473 χ^2/NDF:4959931.7/63

All: 4217.813+/-0.339 χ^2/NDF: 7794975.9/12



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

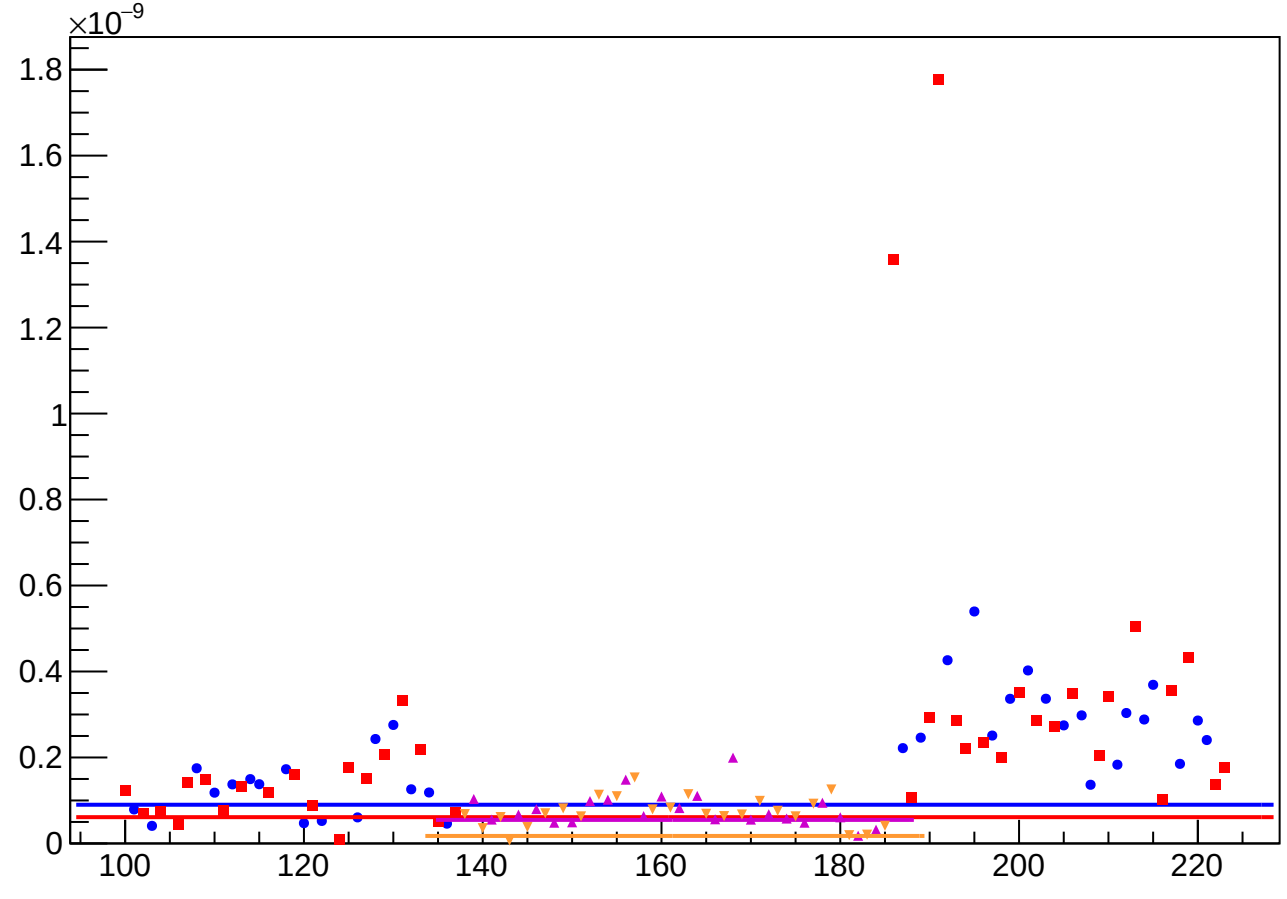
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 60.9/72

In: 0.000+/-0.000 χ^2/NDF:55.1/56

Out: -0.000+/-0.000 χ^2/NDF:55.5/63

All: -0.000+/-0.000 χ^2/NDF: 110.7/120



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

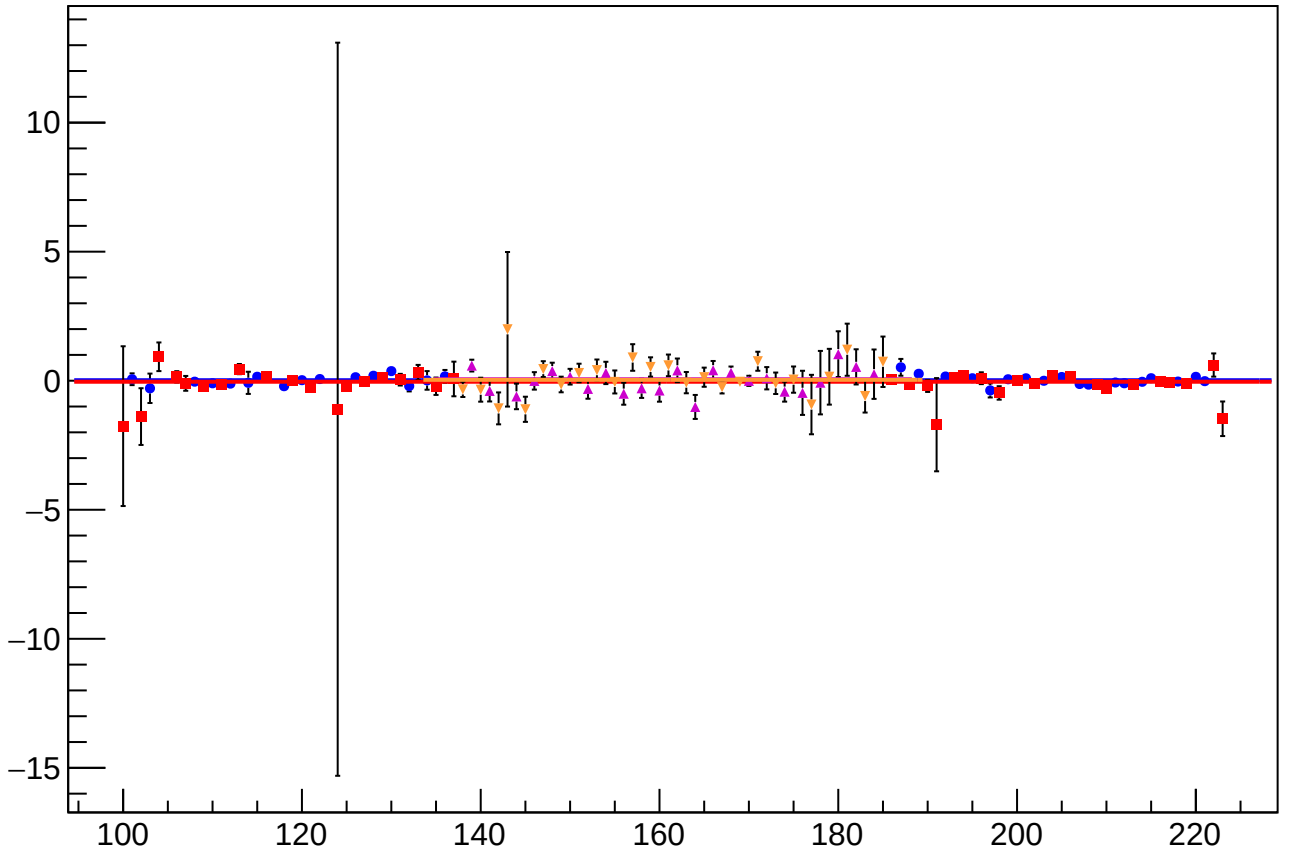
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 19336557.5/72

In: 0.000+/-0.000 χ^2/NDF:11764816.6/56

Out: 0.000+/-0.000 χ^2/NDF:22819591.2/63

All: 0.000+/-0.000 χ^2/NDF: 40990145.6/120



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

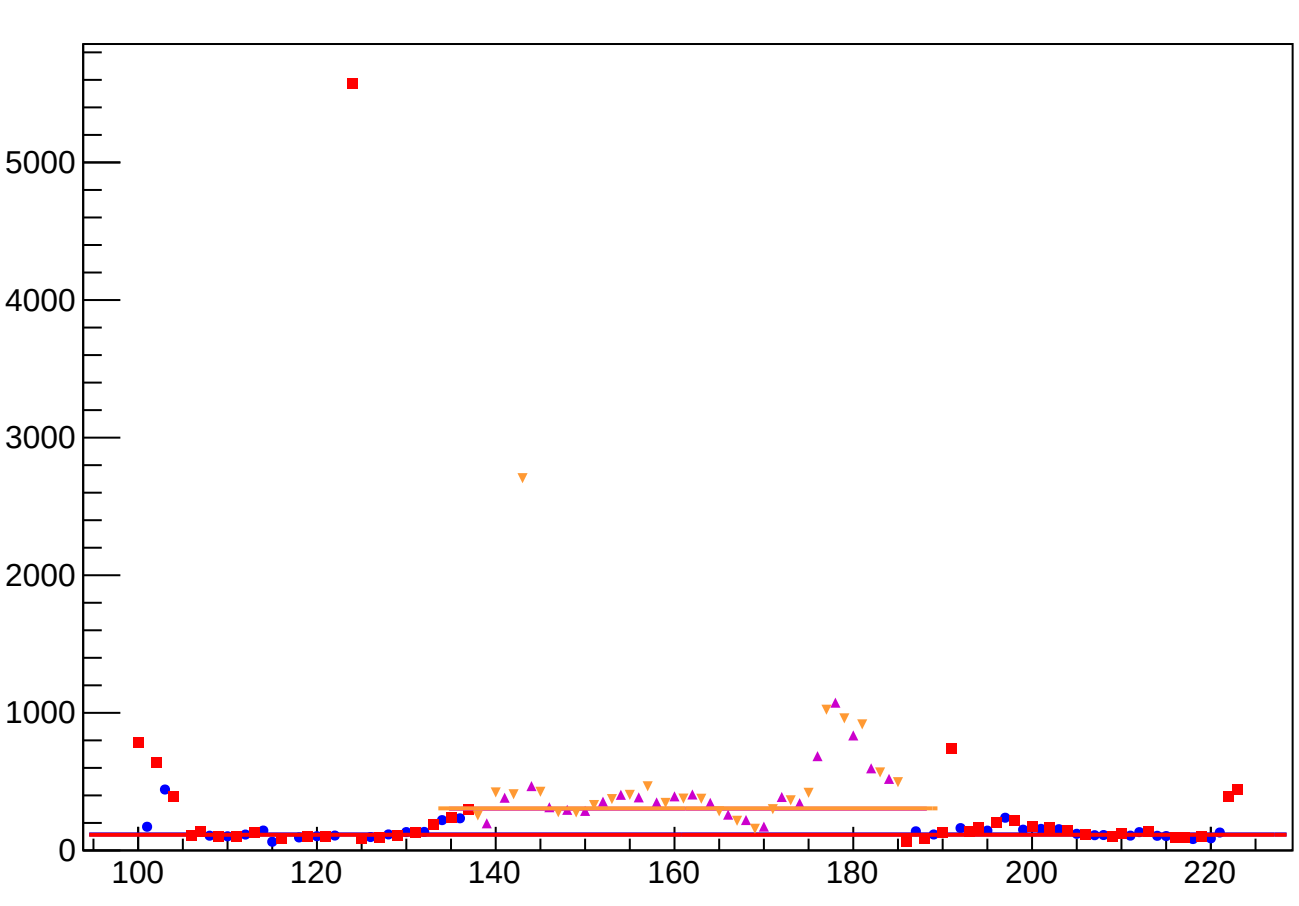
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.010+/-0.019 χ^2/NDF: 79.0/72

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.032+/-0.025 χ^2/NDF:79.7/63

All: -0.004+/-0.018 χ^2/NDF: 136.5/120



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

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

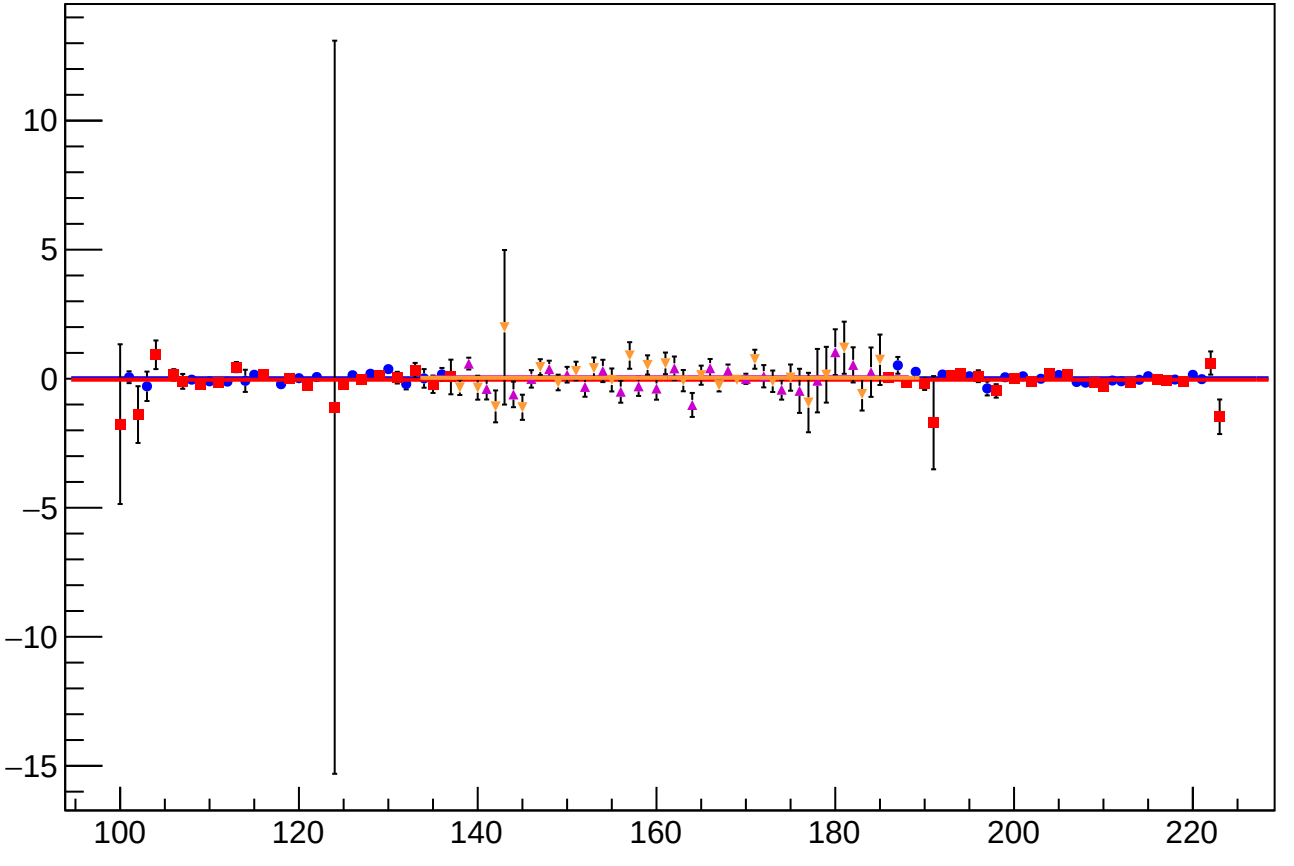
Right: 115.259+/-0.013 χ^2/NDF: 9091212.6/72

In: 136.622+/-0.018 χ^2/NDF:18394227.3/56

Out: 134.158+/-0.018 χ^2/NDF:23408980.6/63

All: 135.389+/-0.013 χ^2/NDF: 41812686.0/12

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

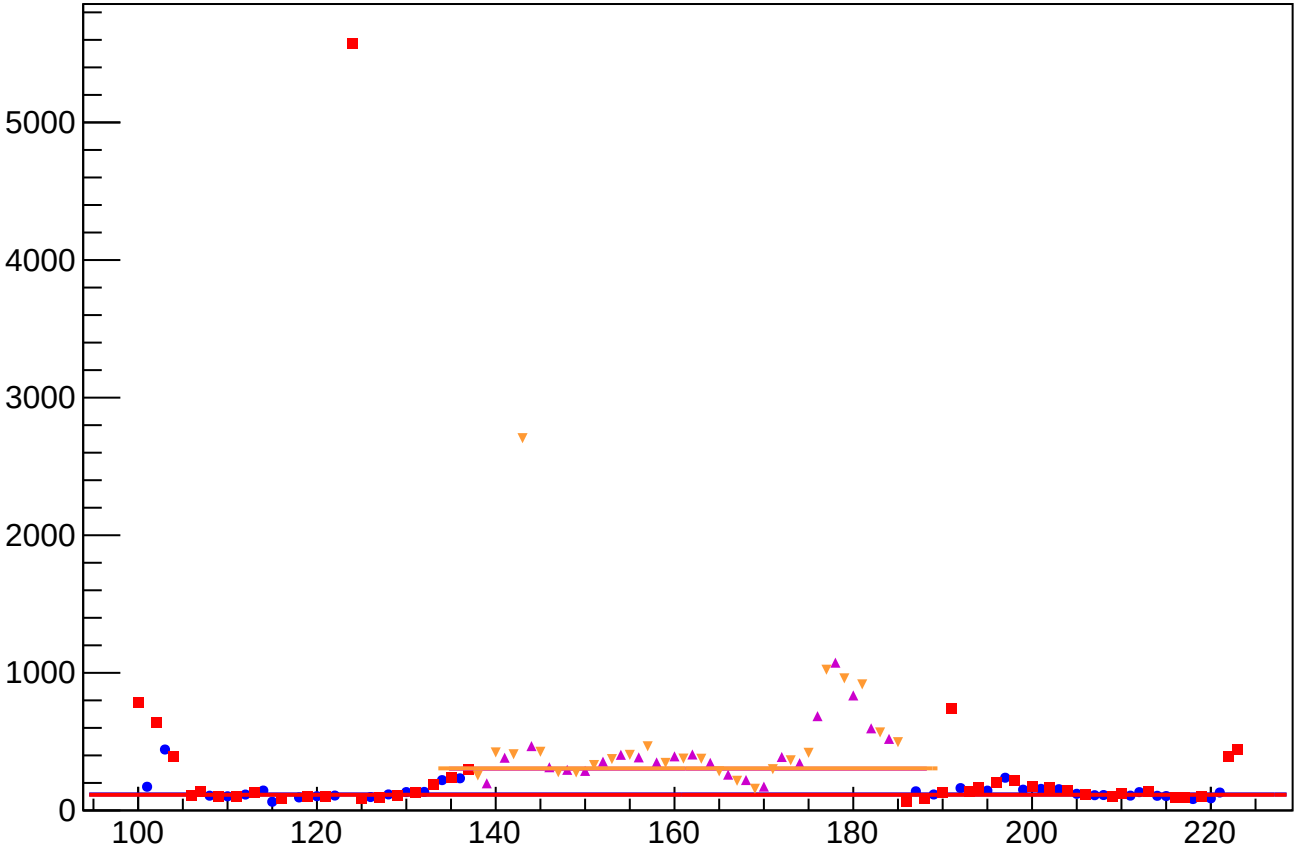
Right: -0.010+/-0.019 χ^2/NDF: 79.0/72

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.032+/-0.025 χ^2/NDF:79.7/63

All: -0.004+/-0.018 χ^2/NDF: 136.5/120

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

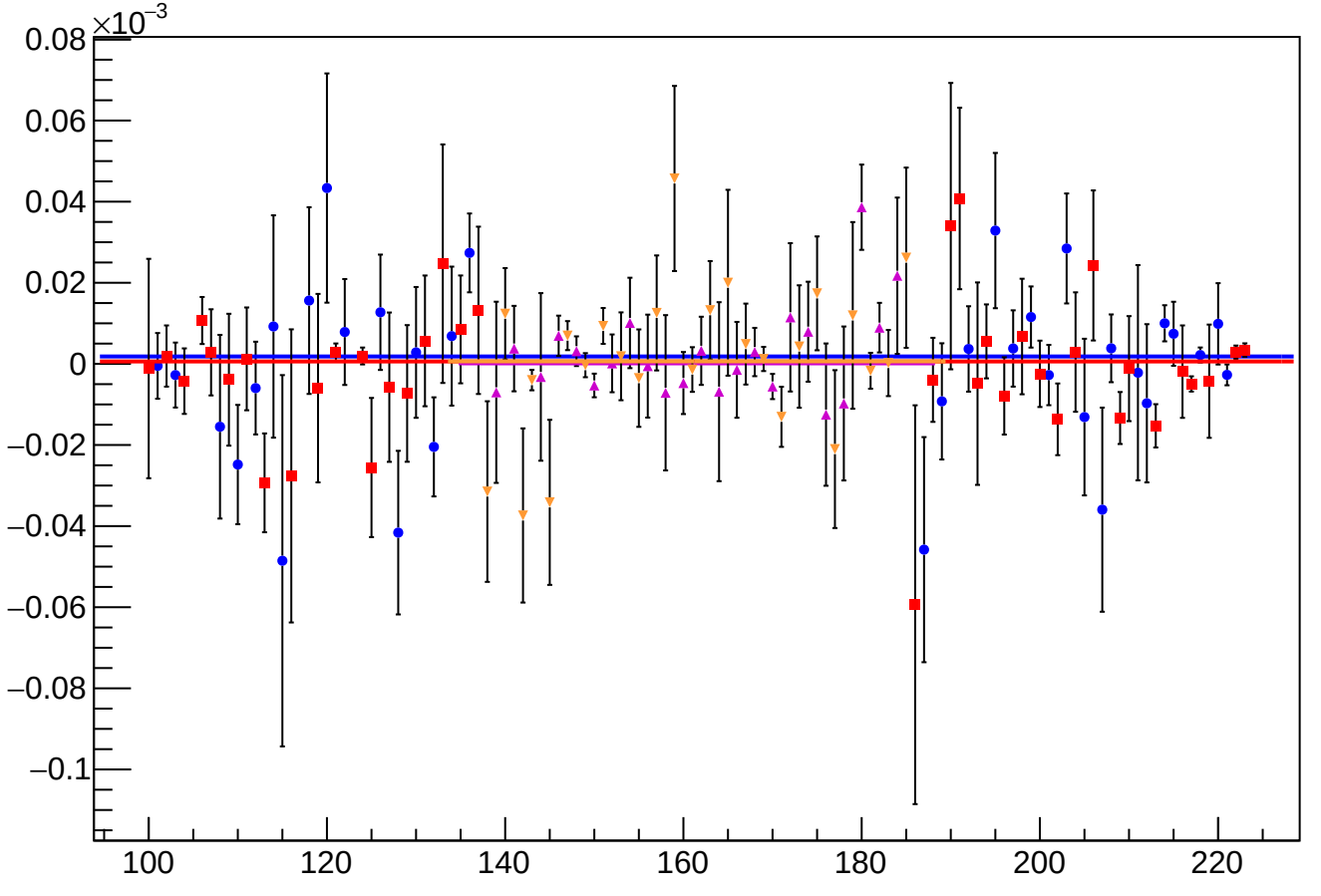
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 115.259+/-0.013 χ^2/NDF: 9091212.6/72

In: 136.622+/-0.018 χ^2/NDF:18394227.3/56

Out: 134.158+/-0.018 χ^2/NDF:23408980.6/63

All: 135.389+/-0.013 χ^2/NDF: 41812686.0/12



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

Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

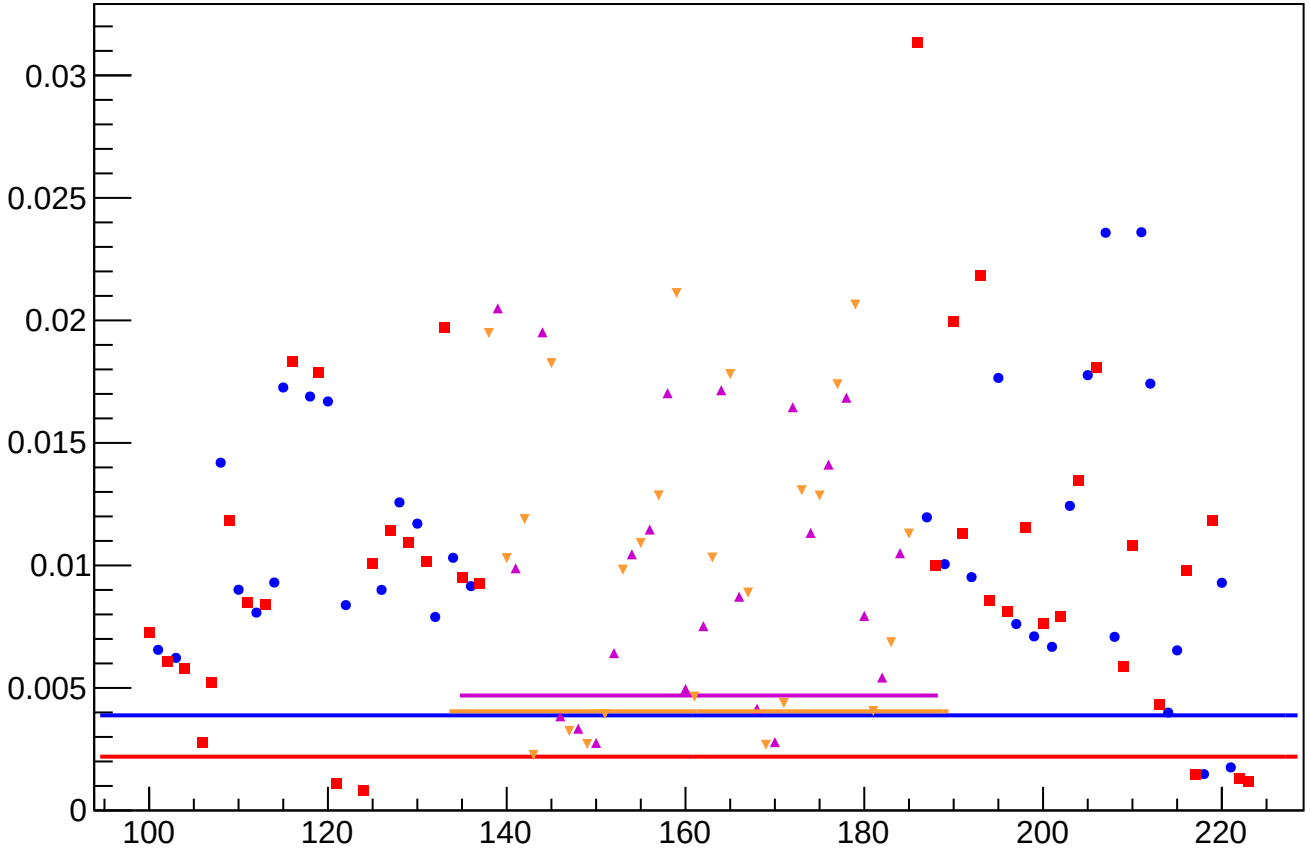
Right: 0.000+/-0.000 χ^2/NDF: 102.9/72

In: 0.000+/-0.000 χ^2/NDF:78.1/56

Out: 0.000+/-0.000 χ^2/NDF:89.3/63

All: 0.000+/-0.000 χ^2/NDF: 167.6/120

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

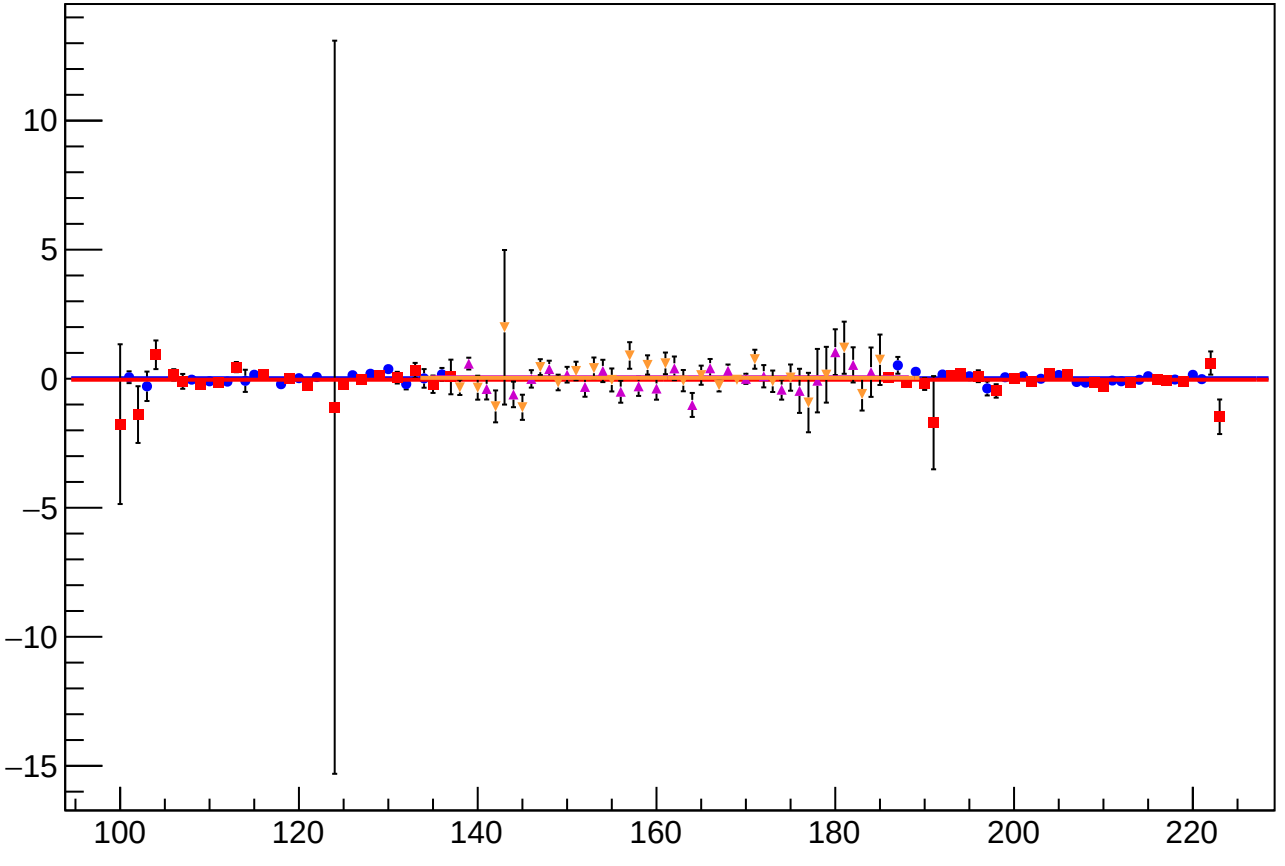
Right: 0.003+/-0.000 χ^2/NDF: 47183596.8/72

In: 0.004+/-0.000 χ^2/NDF:30341285.9/56

Out: 0.003+/-0.000 χ^2/NDF:42240201.8/63

All: 0.003+/-0.000 χ^2/NDF: 76180125.6/120

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

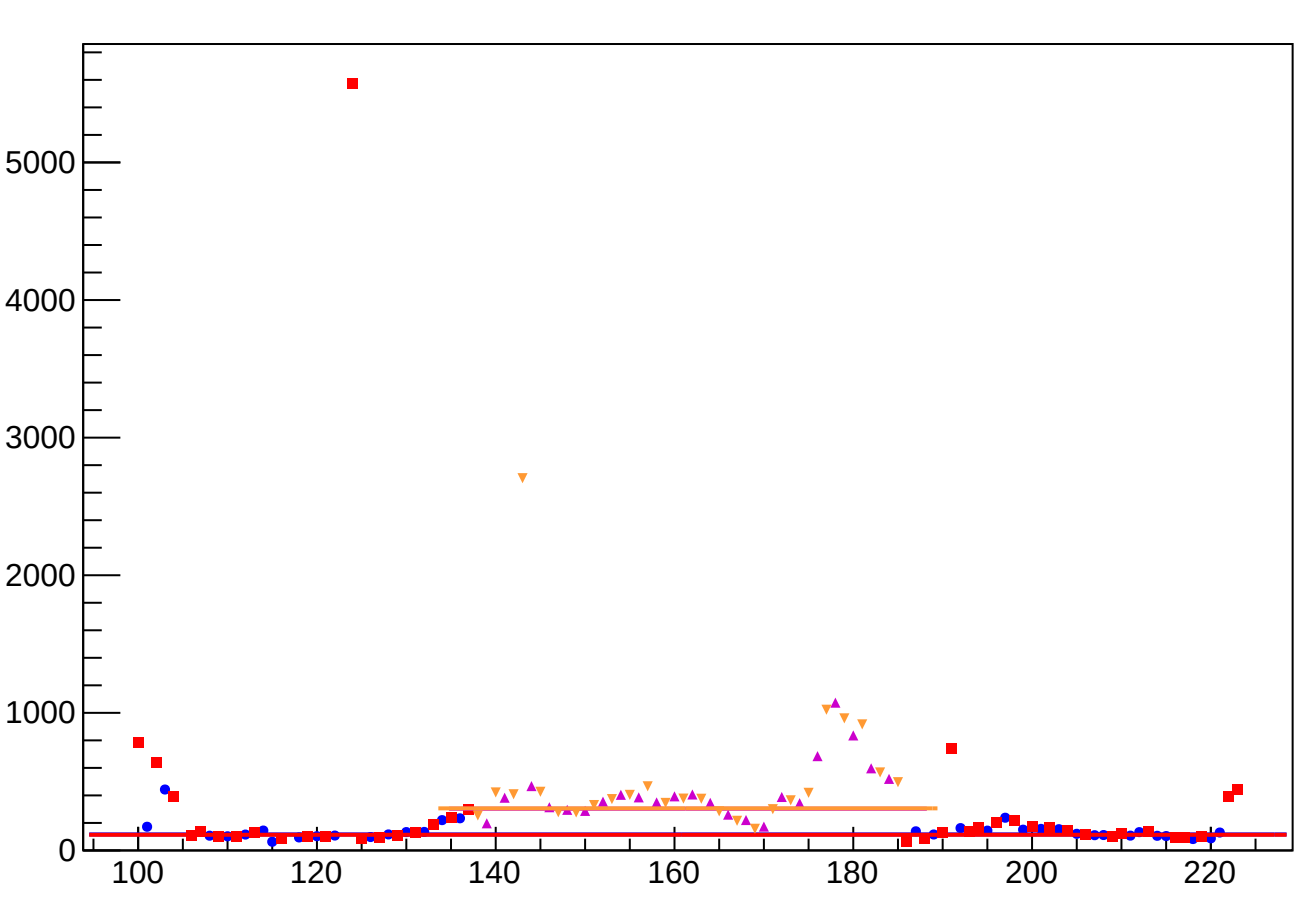
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.010+/-0.019 χ^2/NDF: 79.0/72

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.032+/-0.025 χ^2/NDF:79.7/63

All: -0.004+/-0.018 χ^2/NDF: 136.5/120



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

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

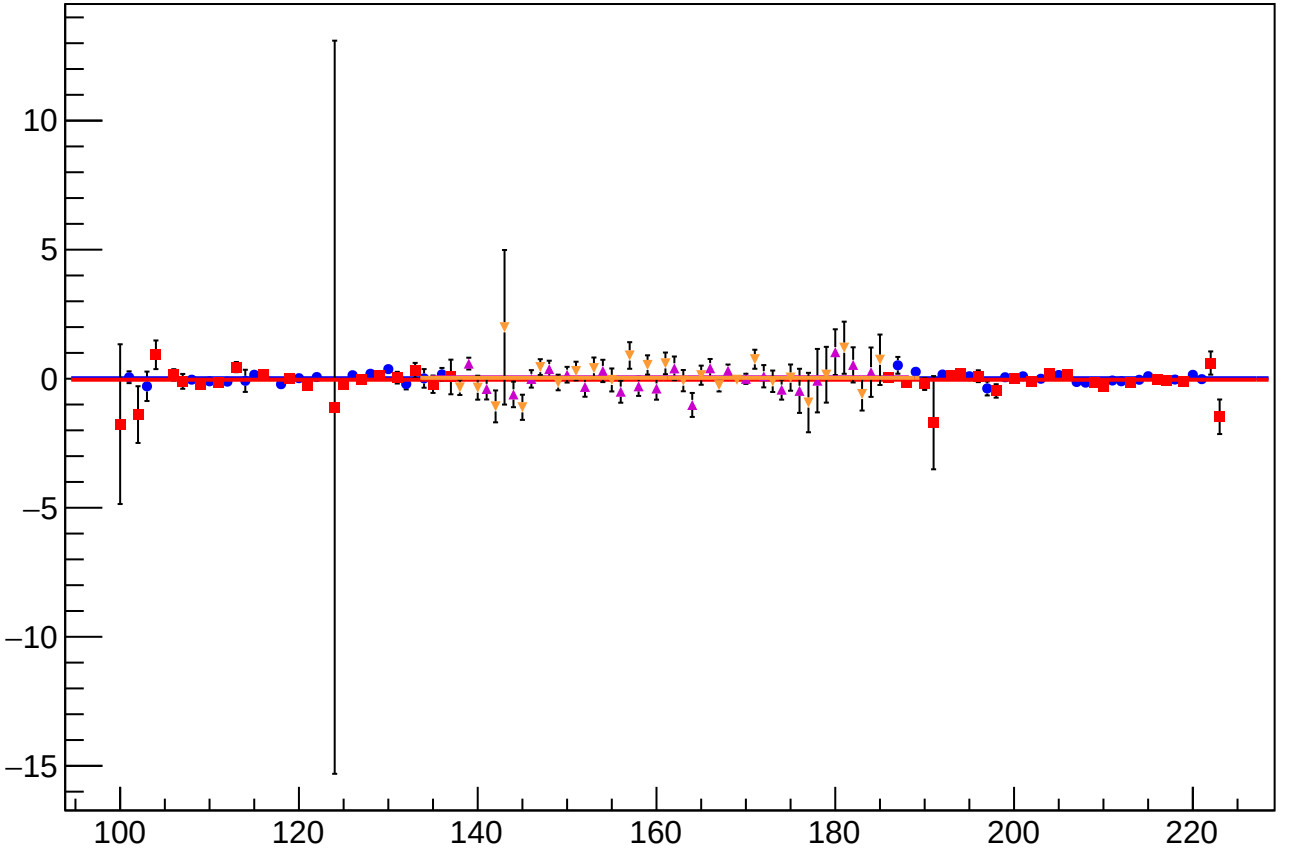
Right: 115.261+/-0.013 χ^2/NDF: 9091000.8/72

In: 136.623+/-0.018 χ^2/NDF:18394165.4/56

Out: 134.159+/-0.018 χ^2/NDF:23408745.4/63

All: 135.390+/-0.013 χ^2/NDF: 41812388.4/12

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

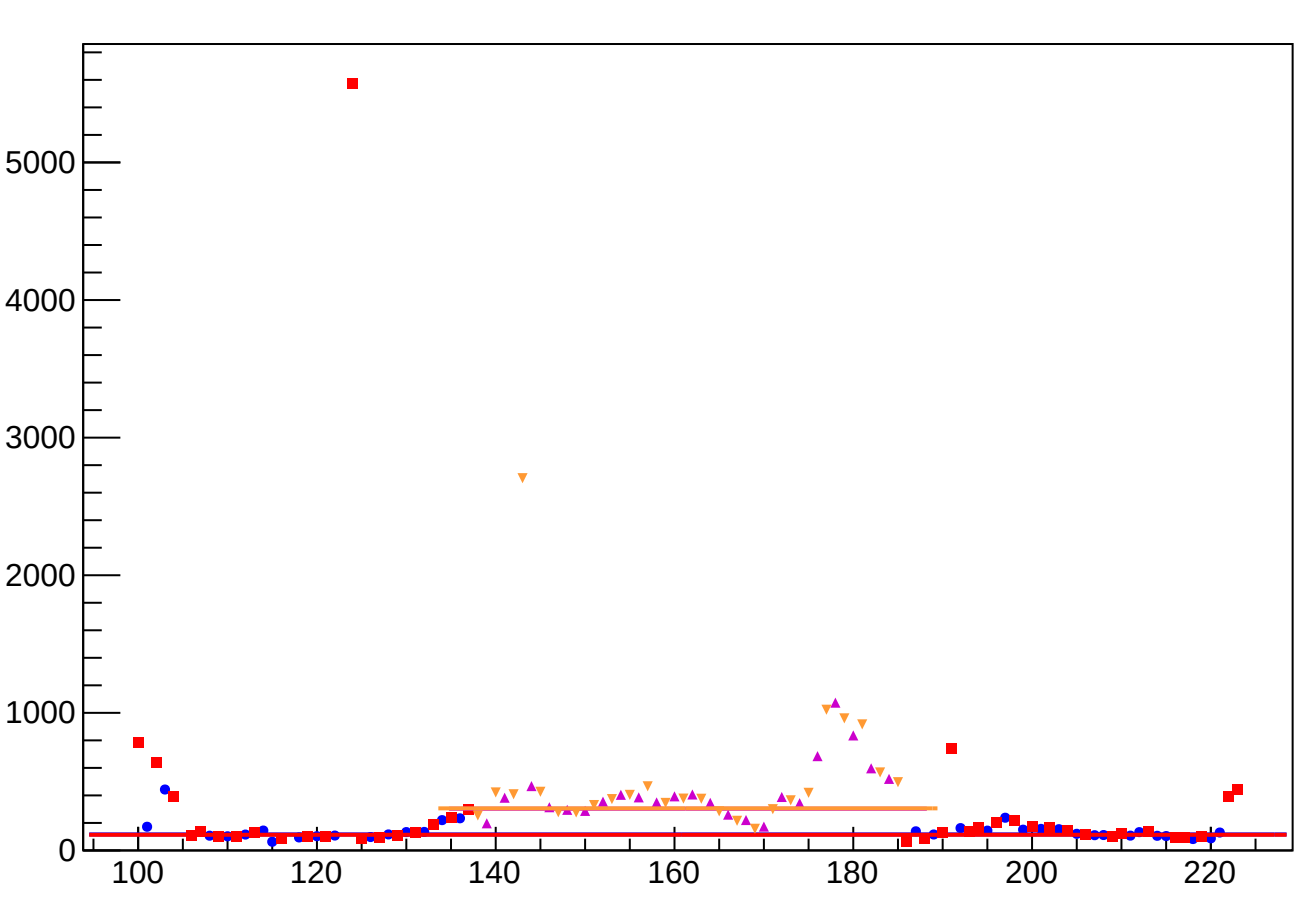
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.010+/-0.019 χ^2/NDF: 79.0/72

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.032+/-0.025 χ^2/NDF:79.7/63

All: -0.004+/-0.018 χ^2/NDF: 136.5/120



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

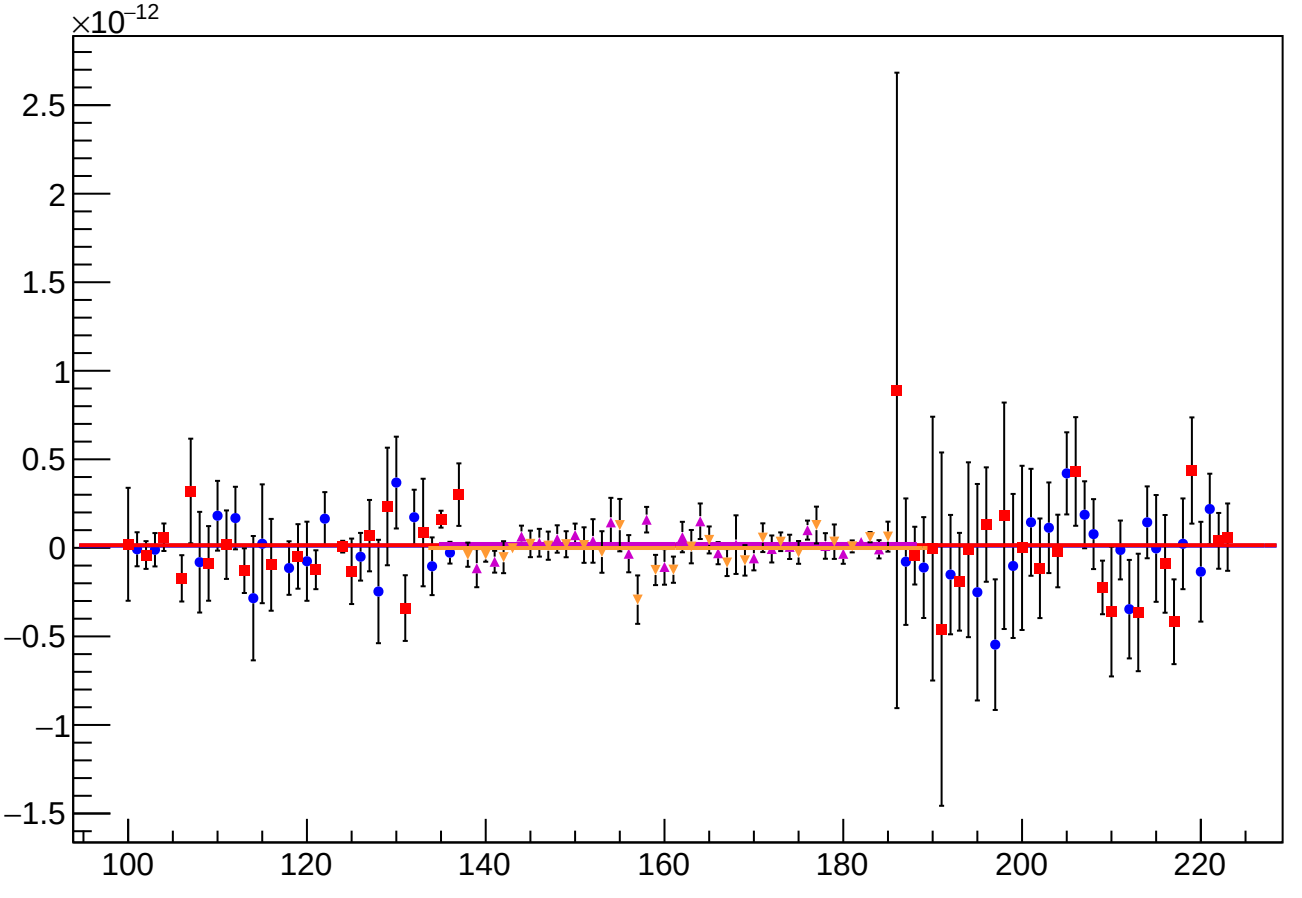
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 115.261+/-0.013 χ^2/NDF: 9091000.8/72

In: 136.623+/-0.018 χ^2/NDF:18394165.4/56

Out: 134.159+/-0.018 χ^2/NDF:23408745.4/63

All: 135.390+/-0.013 χ^2/NDF: 41812388.4/12



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

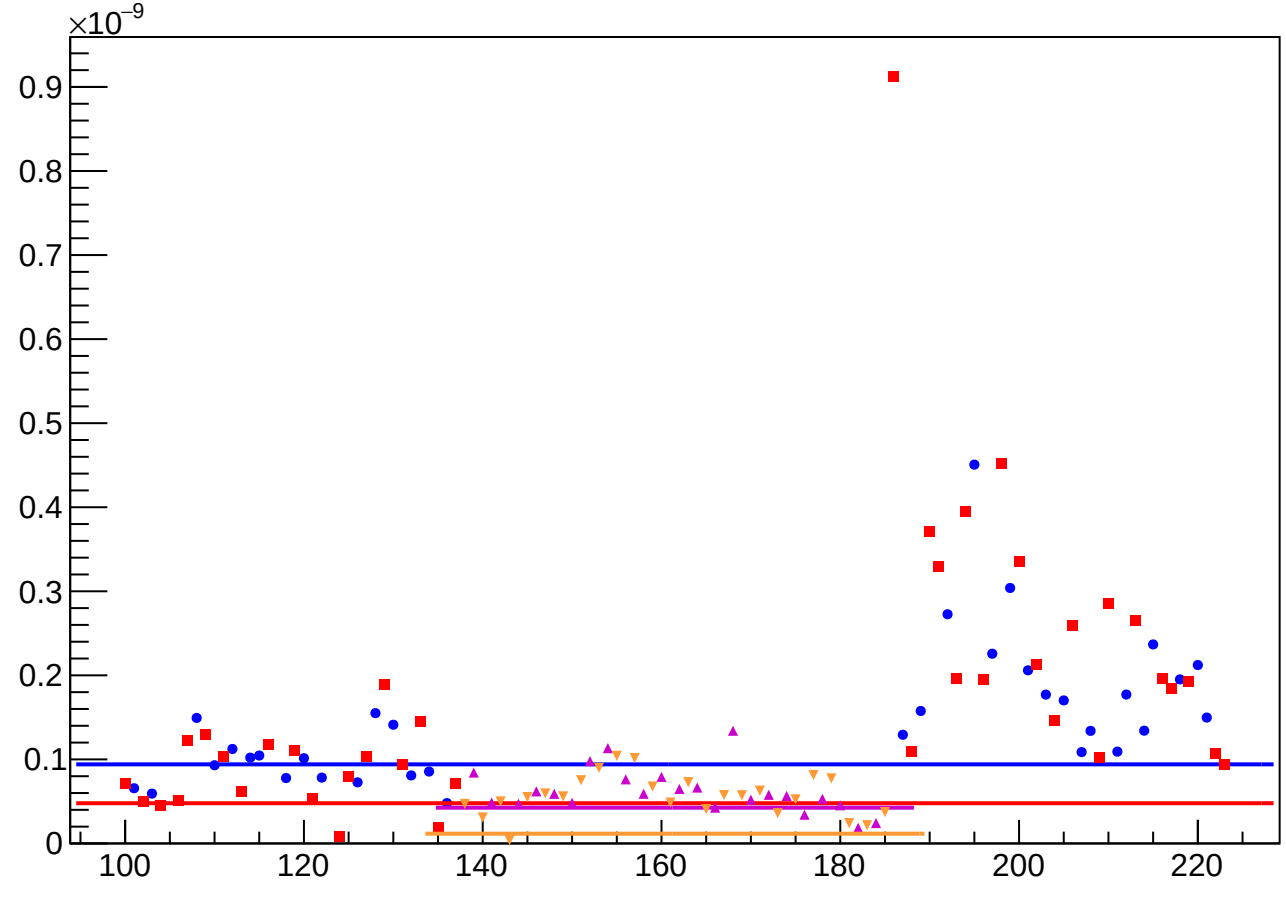
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 58.3/72

In: 0.000+/-0.000 χ^2/NDF:39.8/56

Out: 0.000+/-0.000 χ^2/NDF:60.7/63

All: 0.000+/-0.000 χ^2/NDF: 102.7/120



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

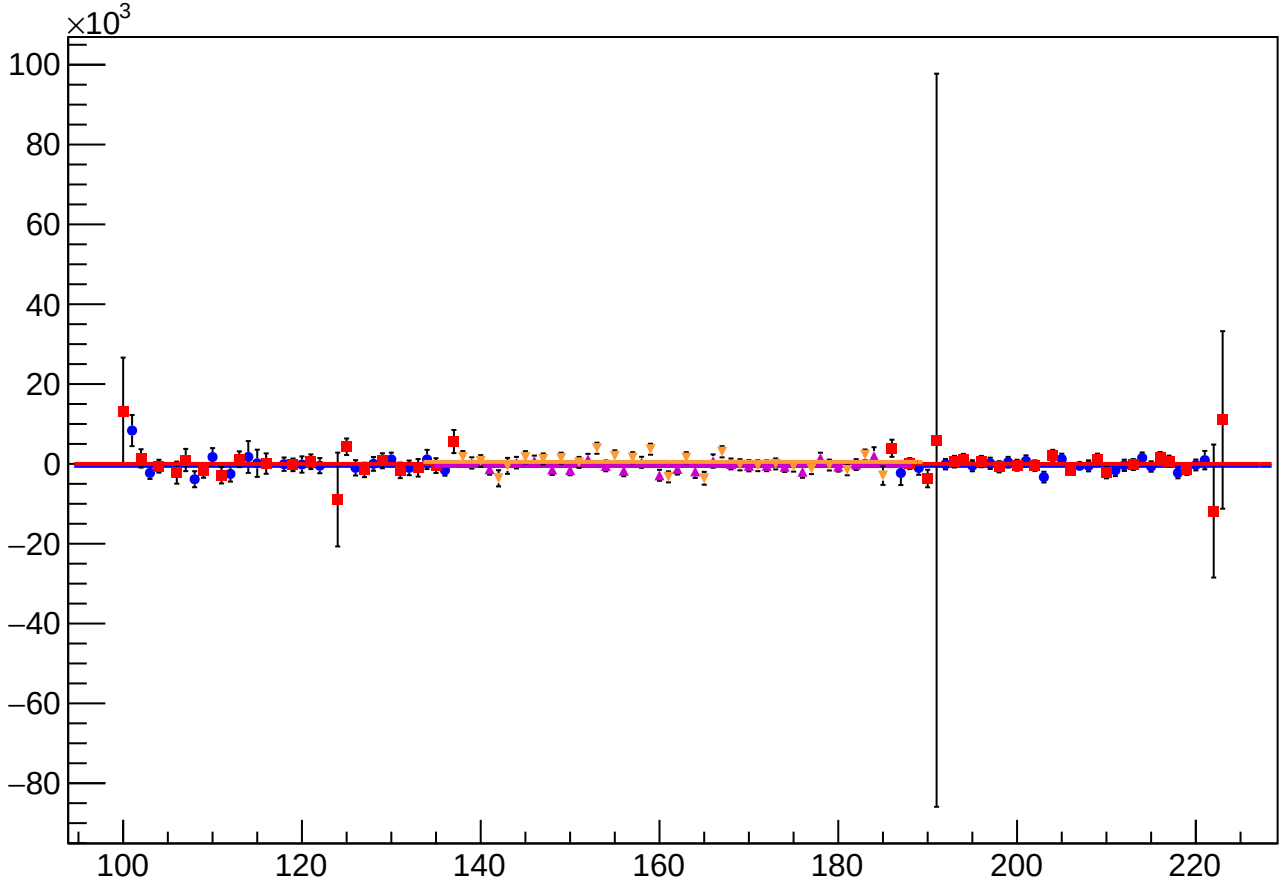
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 26182349.3/72

In: 0.000+/-0.000 χ^2/NDF:16841173.9/56

Out: 0.000+/-0.000 χ^2/NDF:40224788.0/63

All: 0.000+/-0.000 χ^2/NDF: 72061210.5/120



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

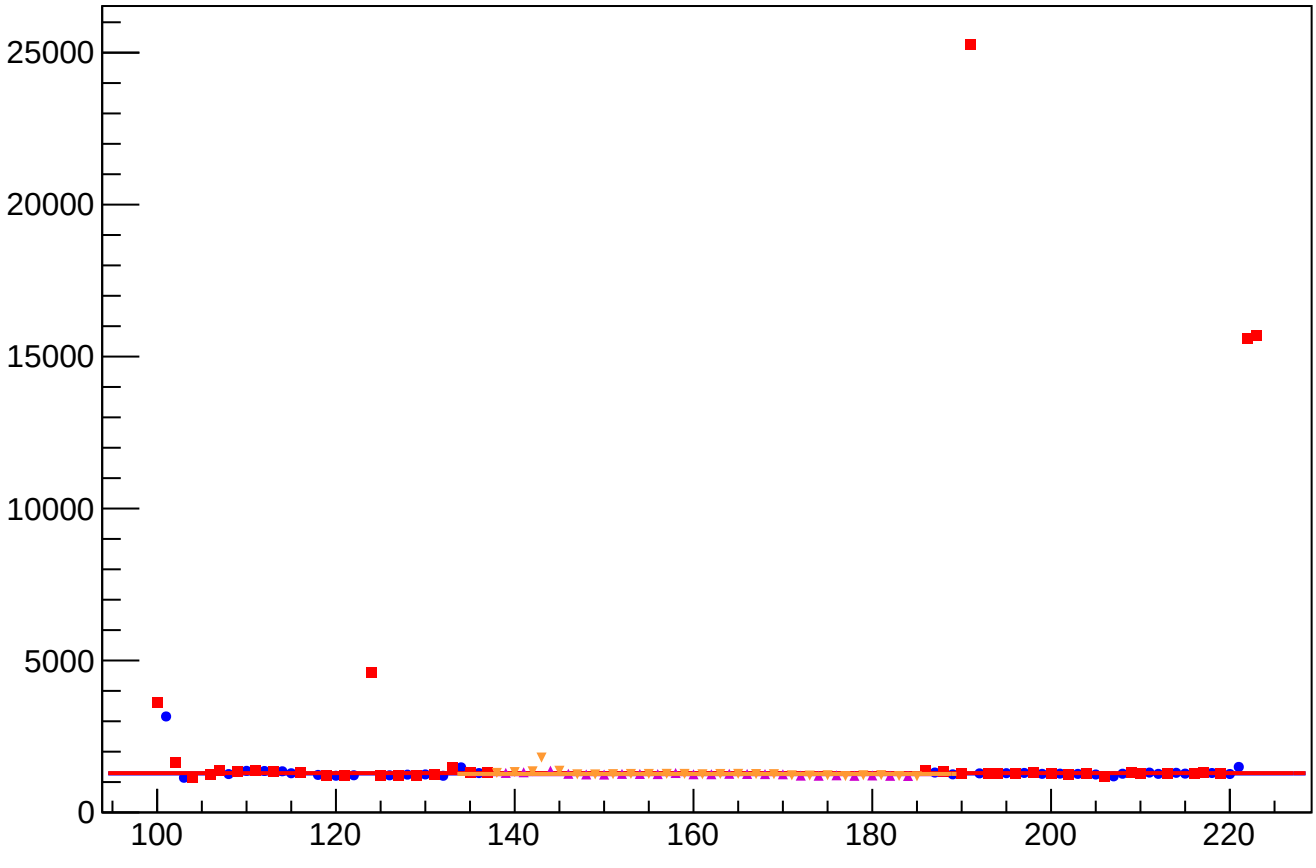
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -252.511+/-198.113 χ^2/NDF: 62.3/72

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 234.201+/-201.627 χ^2/NDF:82.7/63

All: -125.558+/-142.739 χ^2/NDF: 130.1/120



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

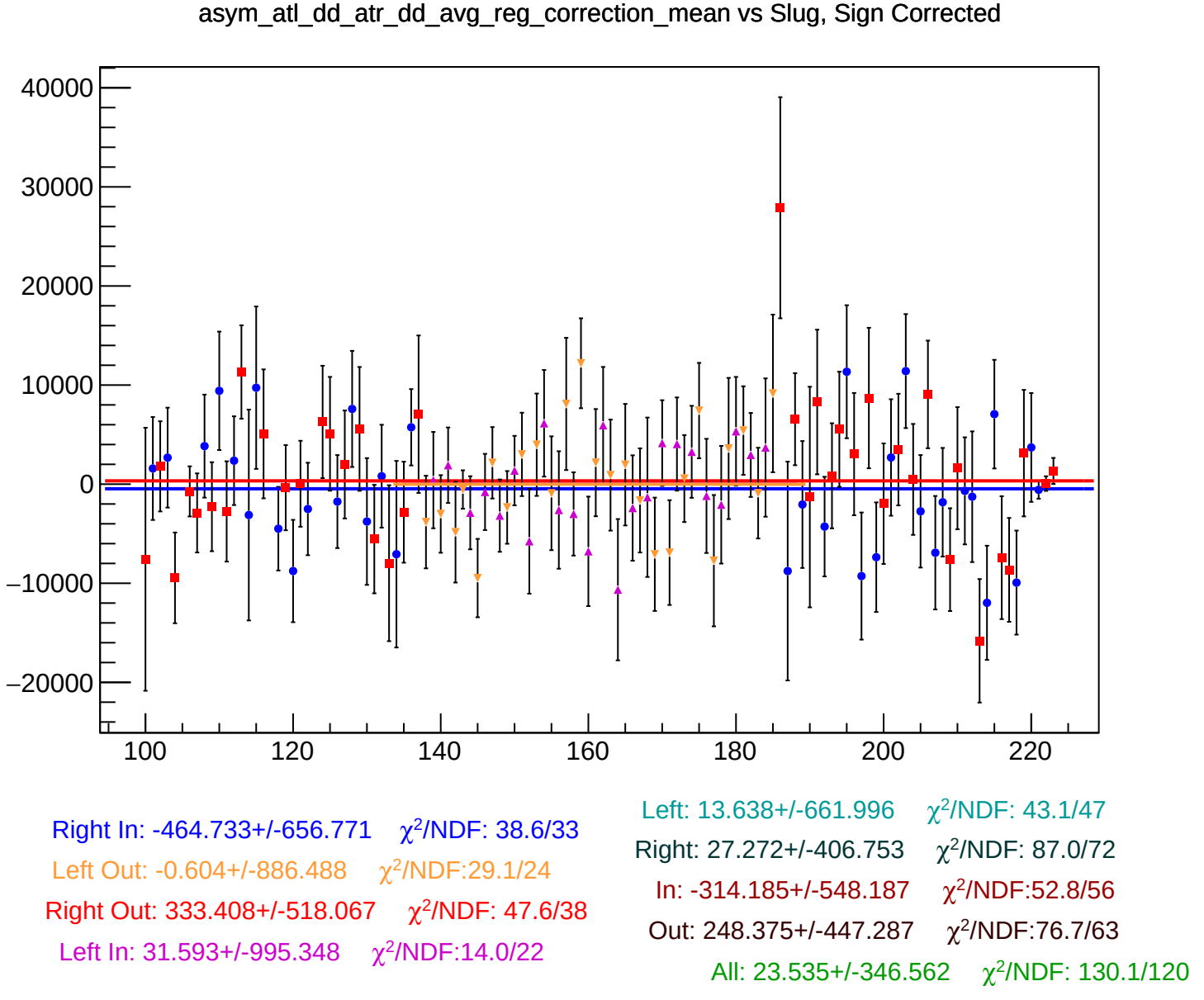
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

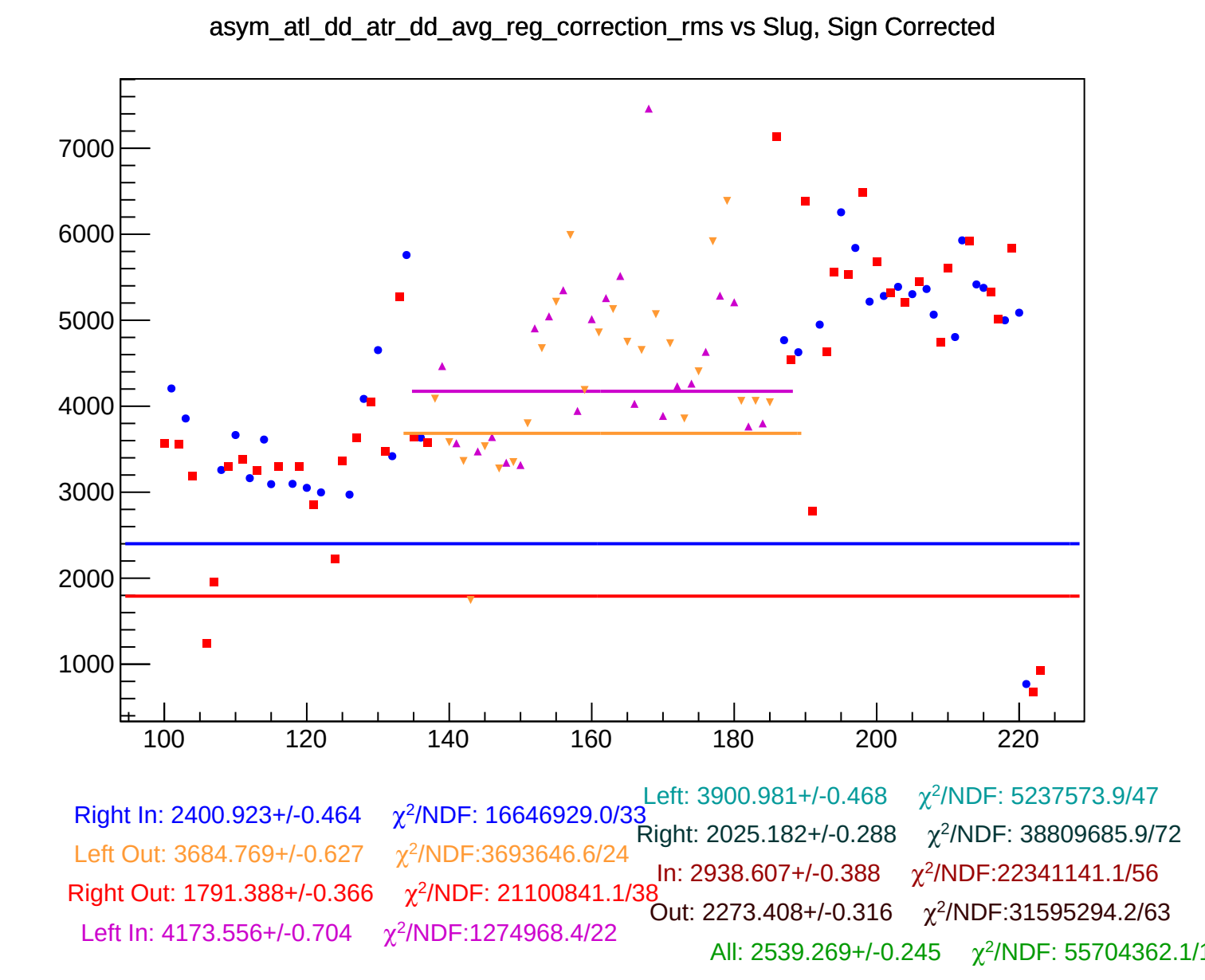
Right: 1288.427+/-0.140 χ^2/NDF: 3344948.1/72

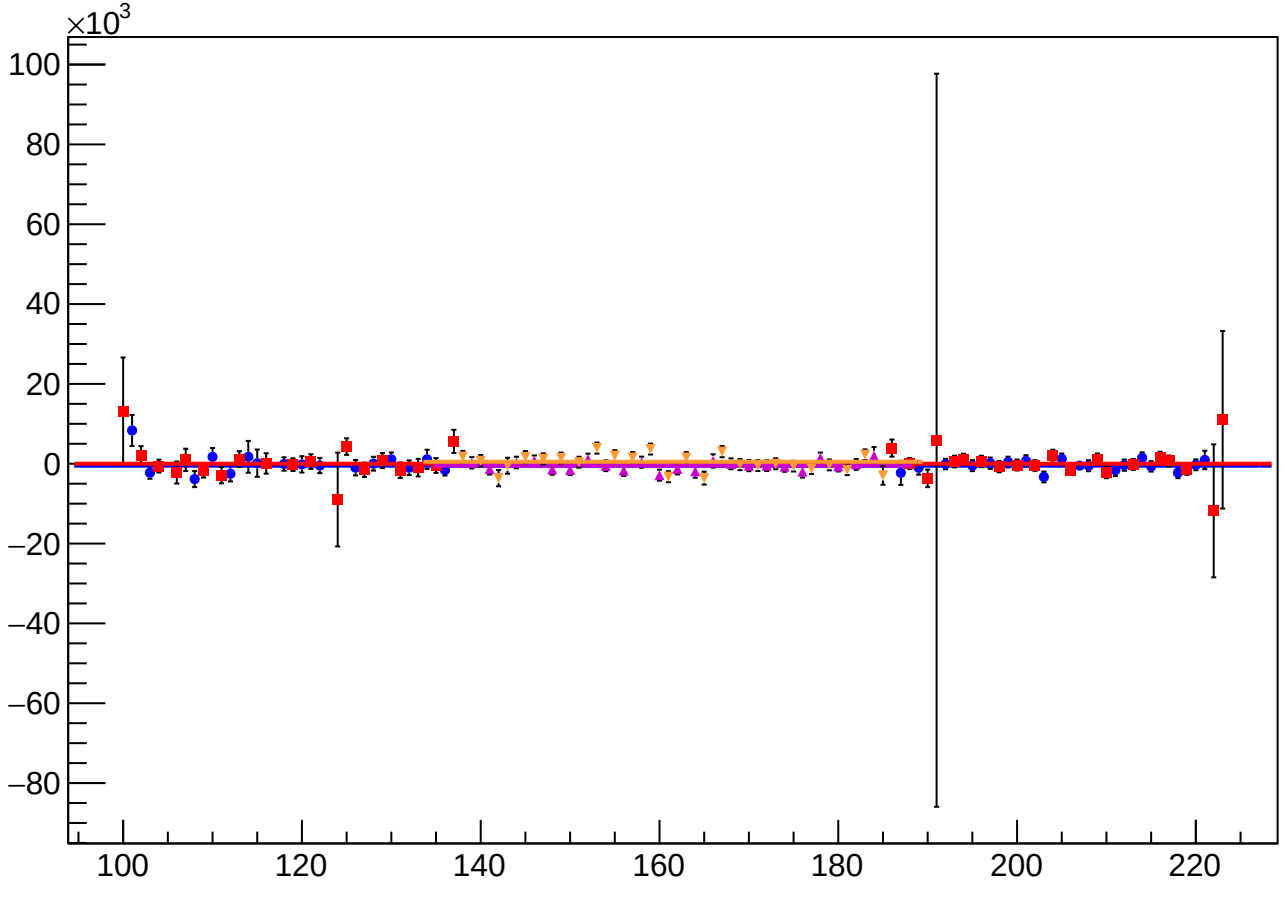
In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1281.262+/-0.143 χ^2/NDF:2991382.3/63

All: 1275.890+/-0.101 χ^2/NDF: 3587033.7/12


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -464.733+/-656.771 χ²/NDF: 38.6/33
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 333.408+/-518.067 χ²/NDF: 47.6/38
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 27.272+/-406.753 χ²/NDF: 87.0/72
In: -314.185+/-548.187 χ²/NDF:52.8/56
Out: 248.375+/-447.287 χ²/NDF:76.7/63
All: 23.535+/-346.562 χ²/NDF: 130.1/120


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.923+/-0.464 χ²/NDF: 16646929.0/33
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 1791.388+/-0.366 χ²/NDF: 21100841.1/38
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 2025.182+/-0.288 χ²/NDF: 38809685.9/72
In: 2938.607+/-0.388 χ²/NDF:22341141.1/56
Out: 2273.408+/-0.316 χ²/NDF:31595294.2/63
All: 2539.269+/-0.245 χ²/NDF: 55704362.1/



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

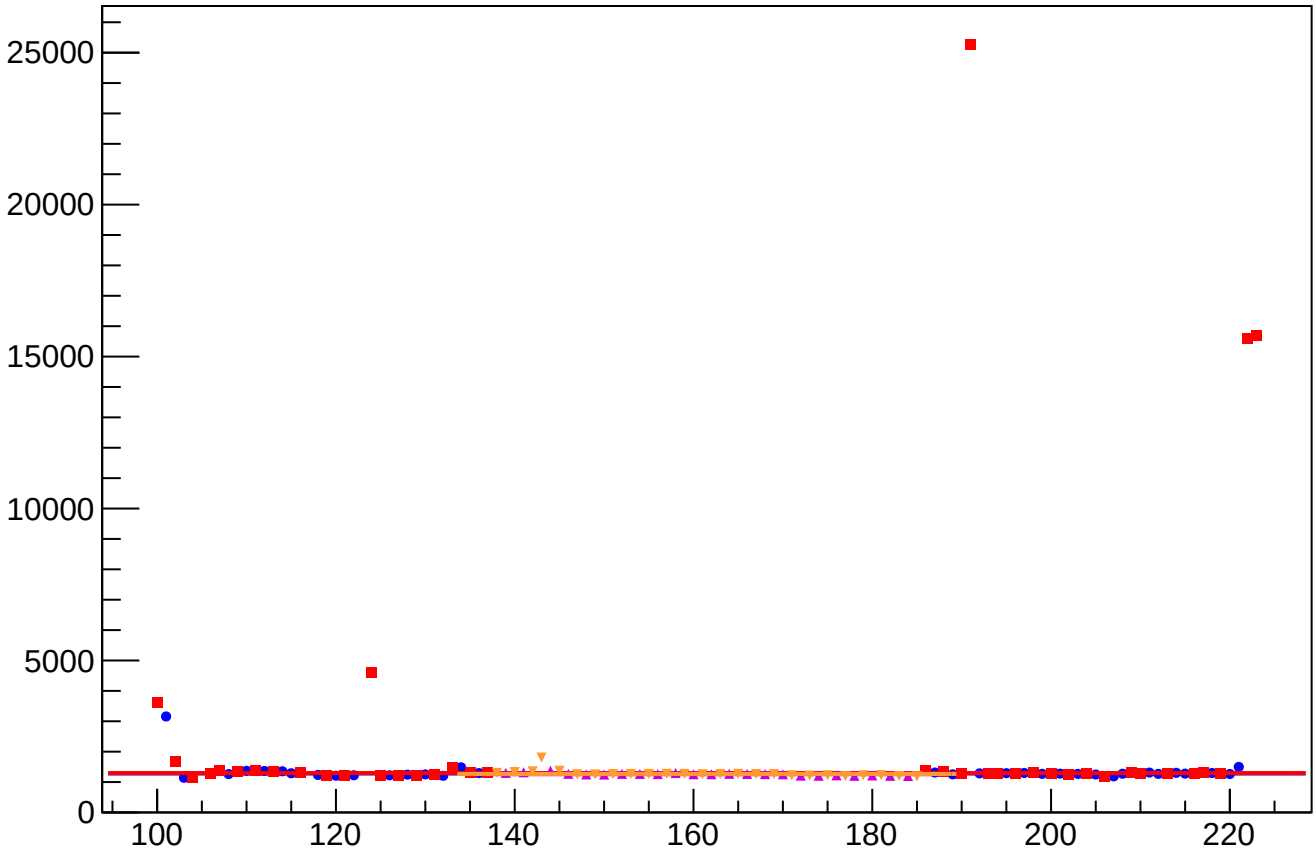
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.846+/-198.135 χ^2/NDF: 62.8/72

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 239.218+/-201.650 χ^2/NDF:83.1/63

All: -123.094+/-142.747 χ^2/NDF: 130.6/120



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

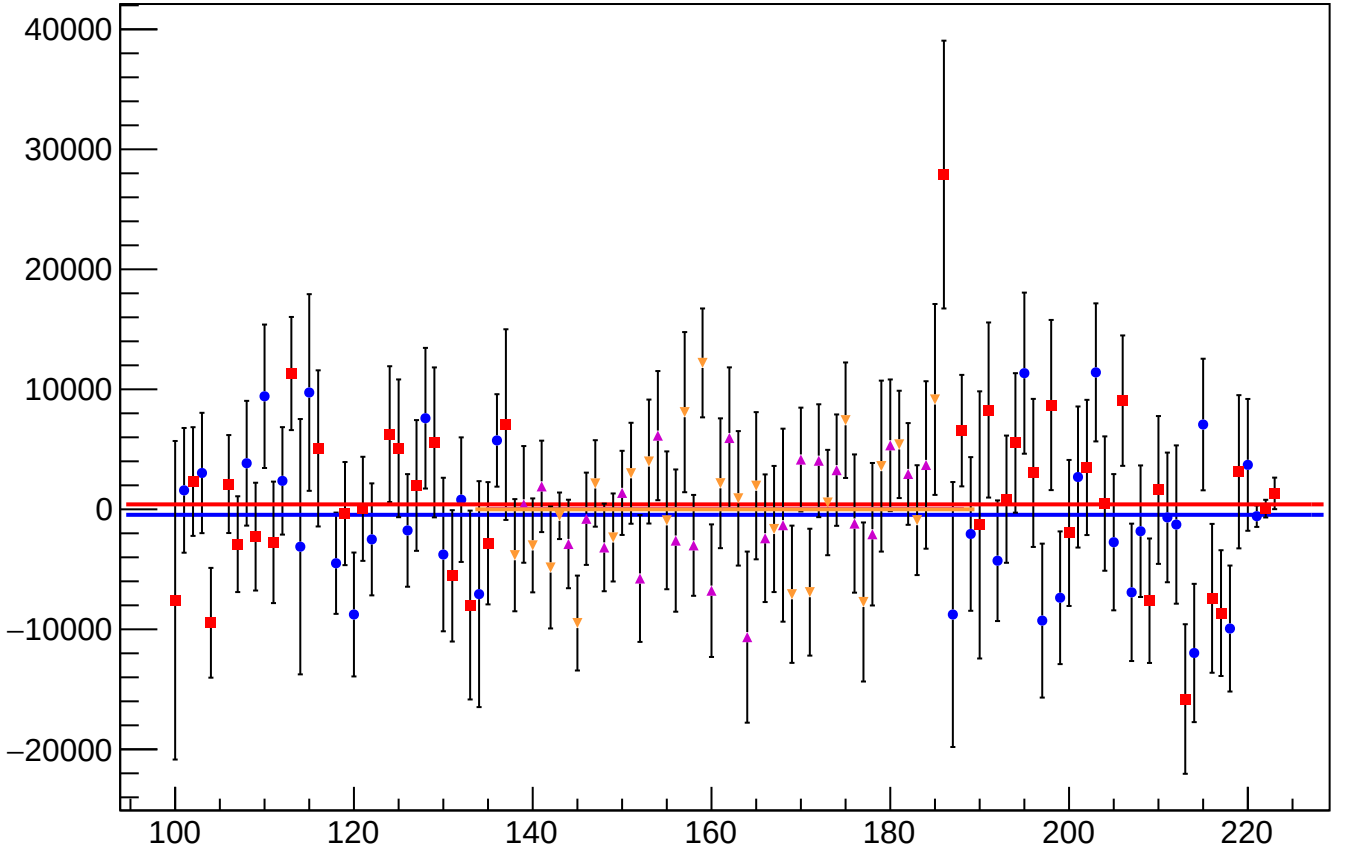
Right: 1288.758+/-0.140 χ^2/NDF: 3351858.6/72

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1281.601+/-0.143 χ^2/NDF:2998531.4/63

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



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

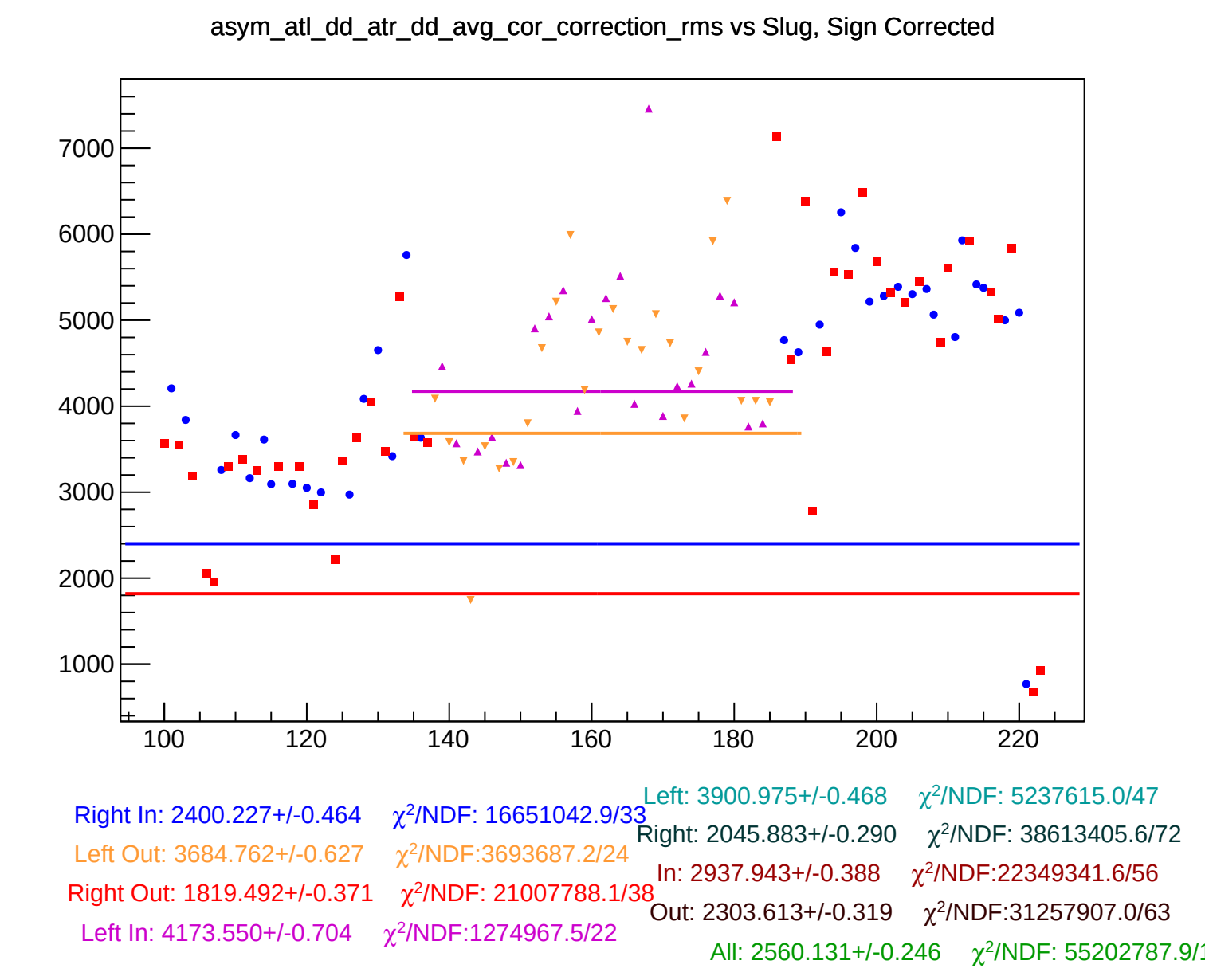
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

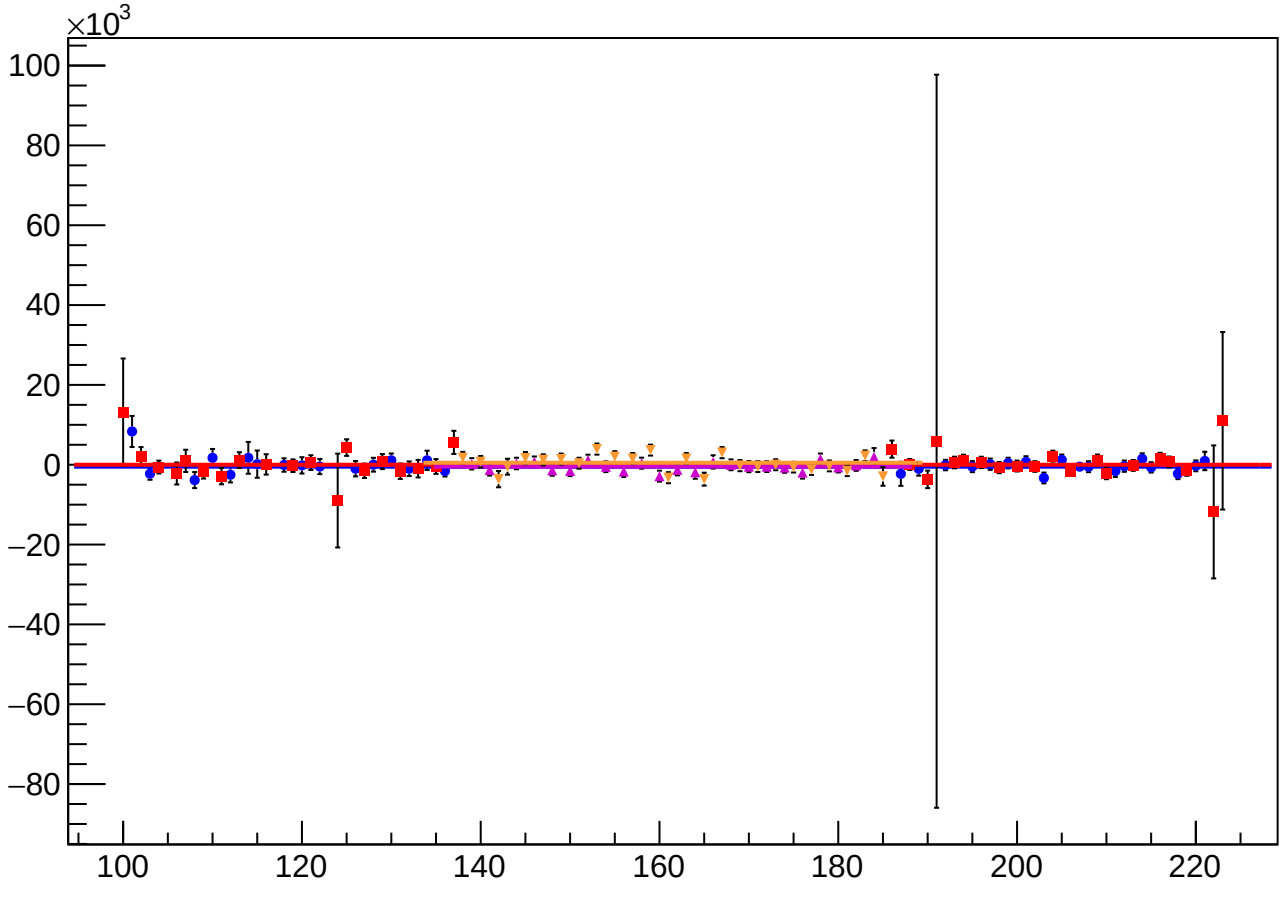
Right: 73.333+/-409.970 χ^2/NDF: 87.4/72

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 305.371+/-451.625 χ^2/NDF:76.8/63

All: 56.795+/-348.545 χ^2/NDF: 130.5/120


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 1819.492+/-0.371 χ²/NDF: 21007788.1/38
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 2045.883+/-0.290 χ²/NDF: 38613405.6/72
In: 2937.943+/-0.388 χ²/NDF:22349341.6/56
Out: 2303.613+/-0.319 χ²/NDF:31257907.0/63
All: 2560.131+/-0.246 χ²/NDF: 55202787.9/



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

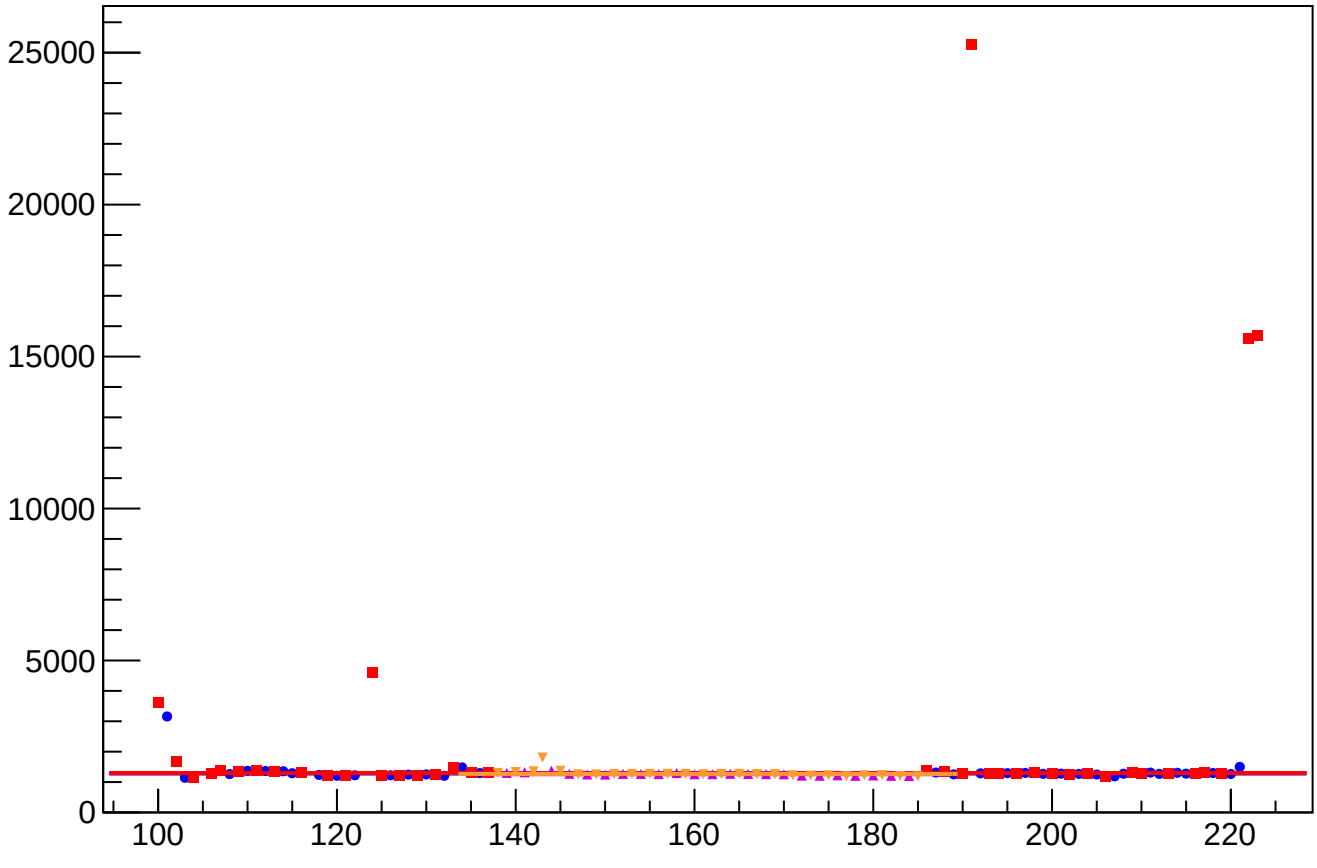
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.846+/-198.135 χ^2/NDF: 62.8/72

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 239.218+/-201.650 χ^2/NDF:83.1/63

All: -123.094+/-142.747 χ^2/NDF: 130.6/120



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

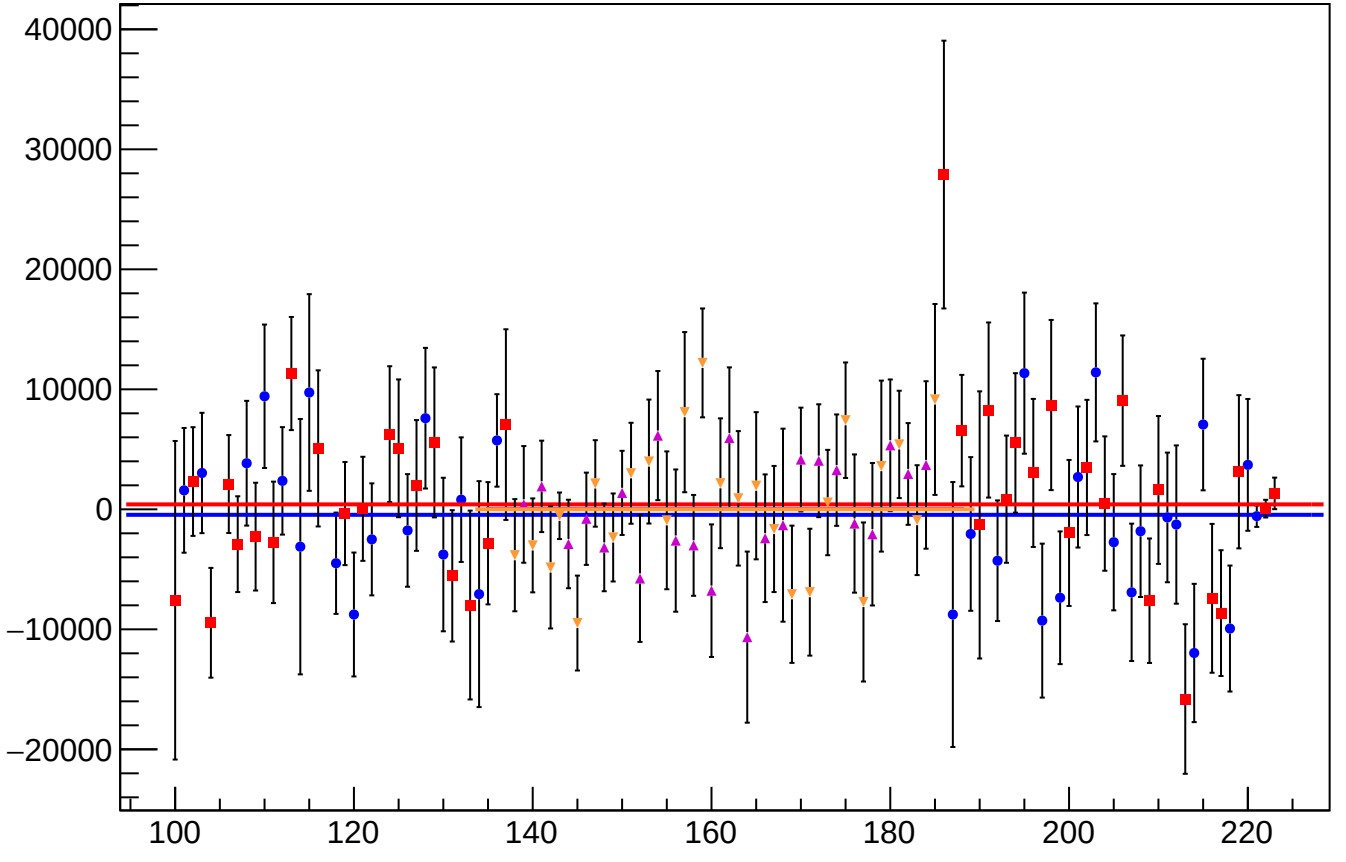
Right: 1288.758+/-0.140 χ^2/NDF: 3351858.6/72

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1281.601+/-0.143 χ^2/NDF:2998531.4/63

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

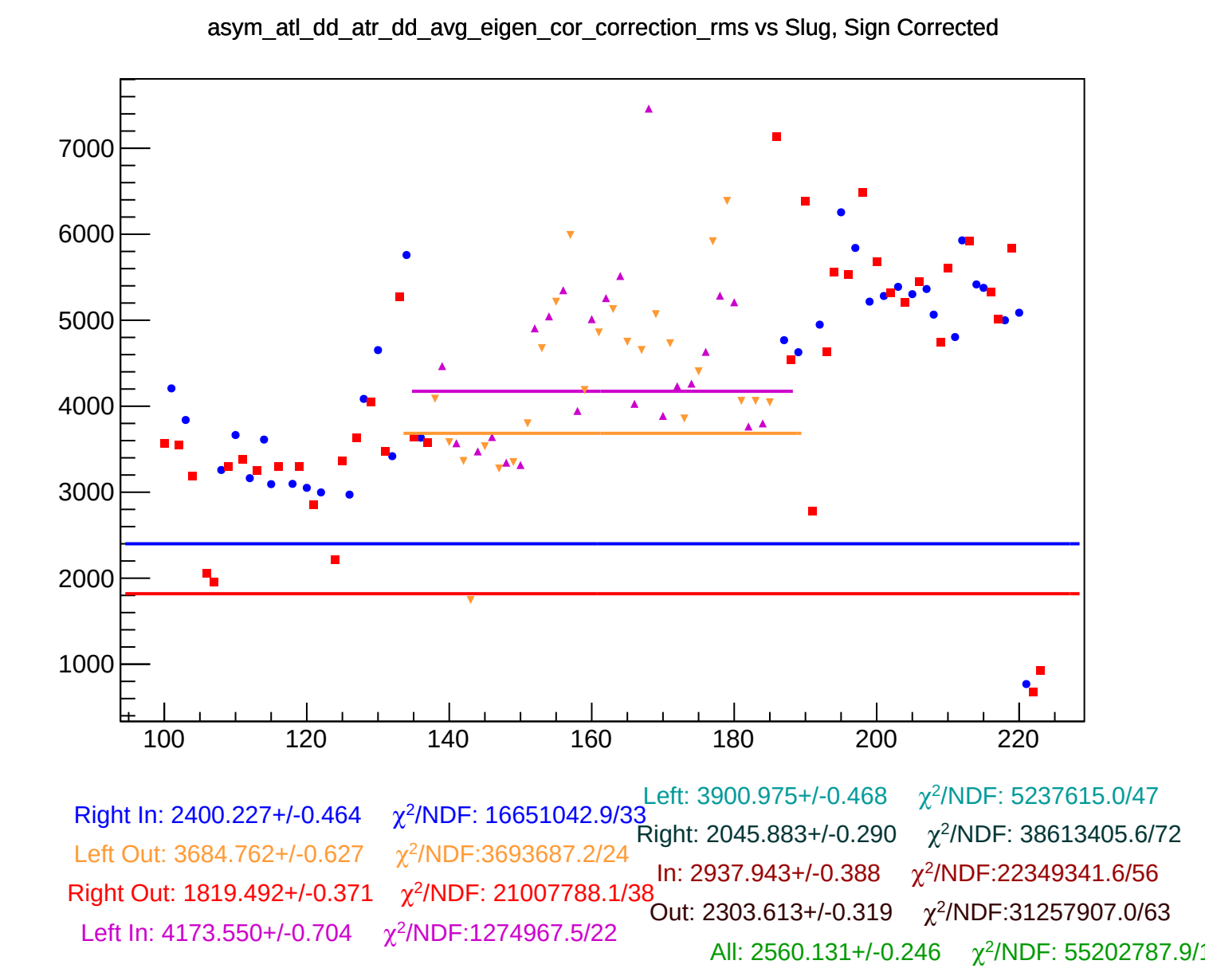
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

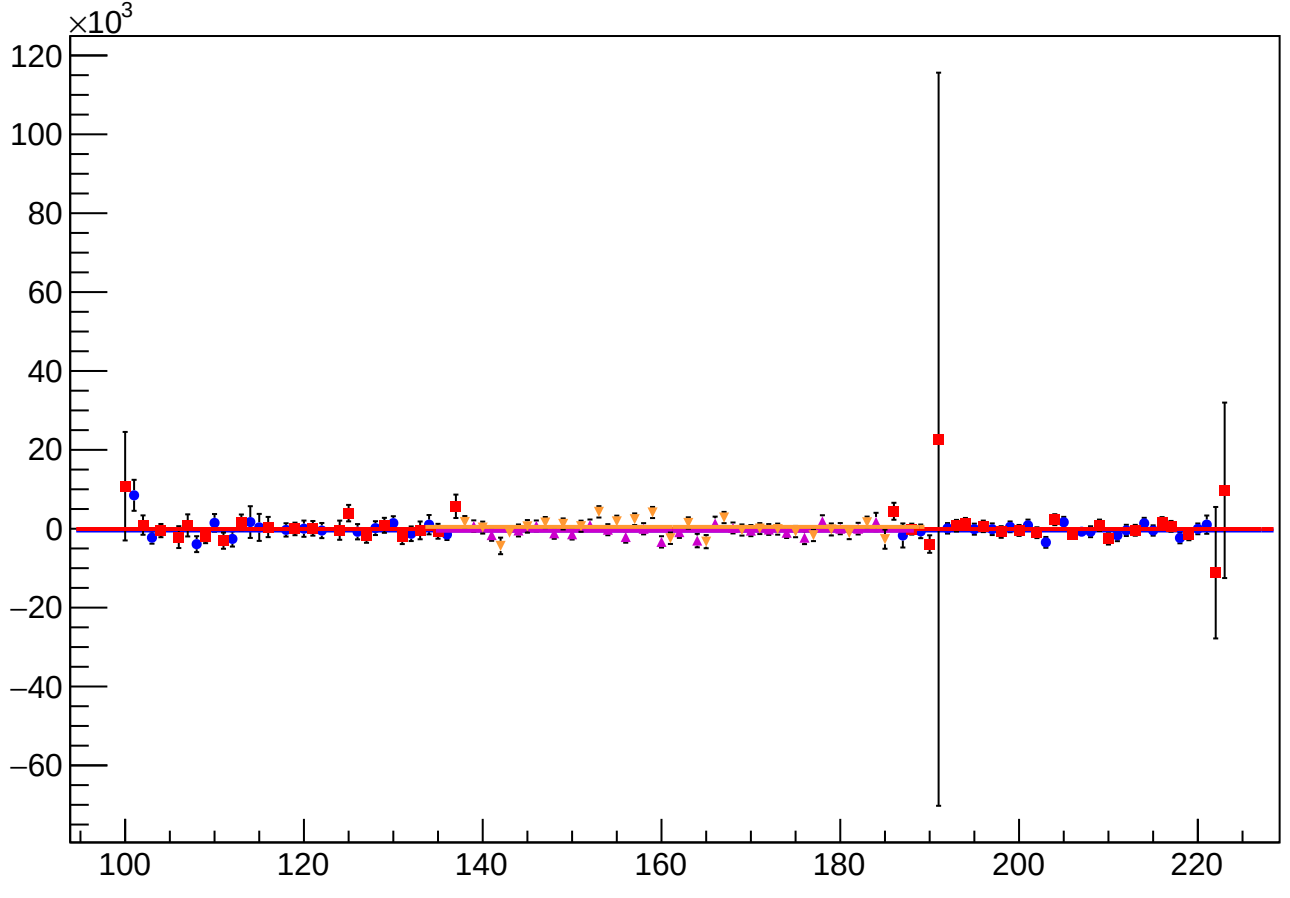
Right: 73.333+/-409.970 χ^2/NDF: 87.4/72

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 305.371+/-451.625 χ^2/NDF:76.8/63

All: 56.795+/-348.545 χ^2/NDF: 130.5/120


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 1819.492+/-0.371 χ²/NDF: 21007788.1/38
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 2045.883+/-0.290 χ²/NDF: 38613405.6/72
In: 2937.943+/-0.388 χ²/NDF:22349341.6/56
Out: 2303.613+/-0.319 χ²/NDF:31257907.0/63
All: 2560.131+/-0.246 χ²/NDF: 55202787.9/



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

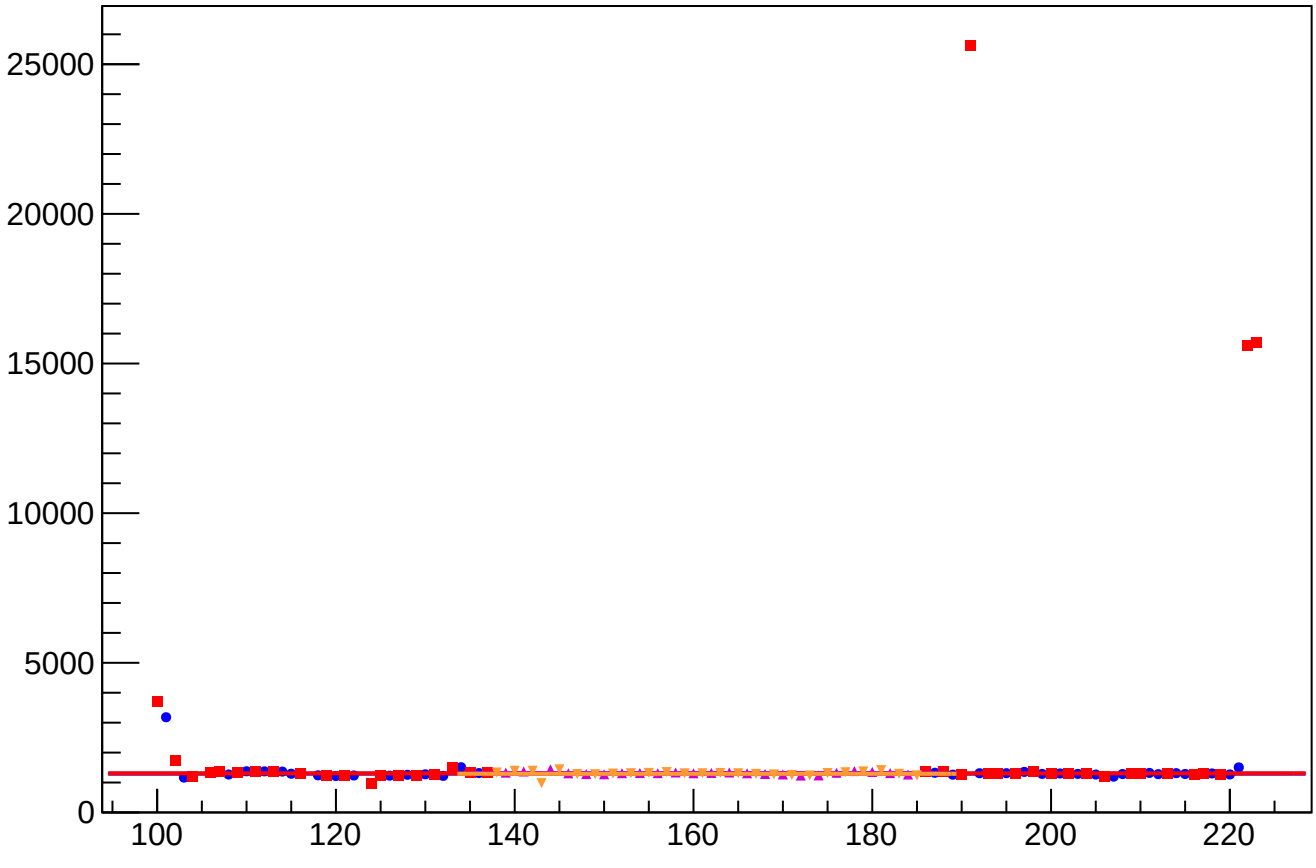
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -259.485+/-200.026 χ^2/NDF: 64.8/72

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 190.535+/-204.348 χ^2/NDF:81.6/63

All: -136.211+/-145.634 χ^2/NDF: 132.3/120



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

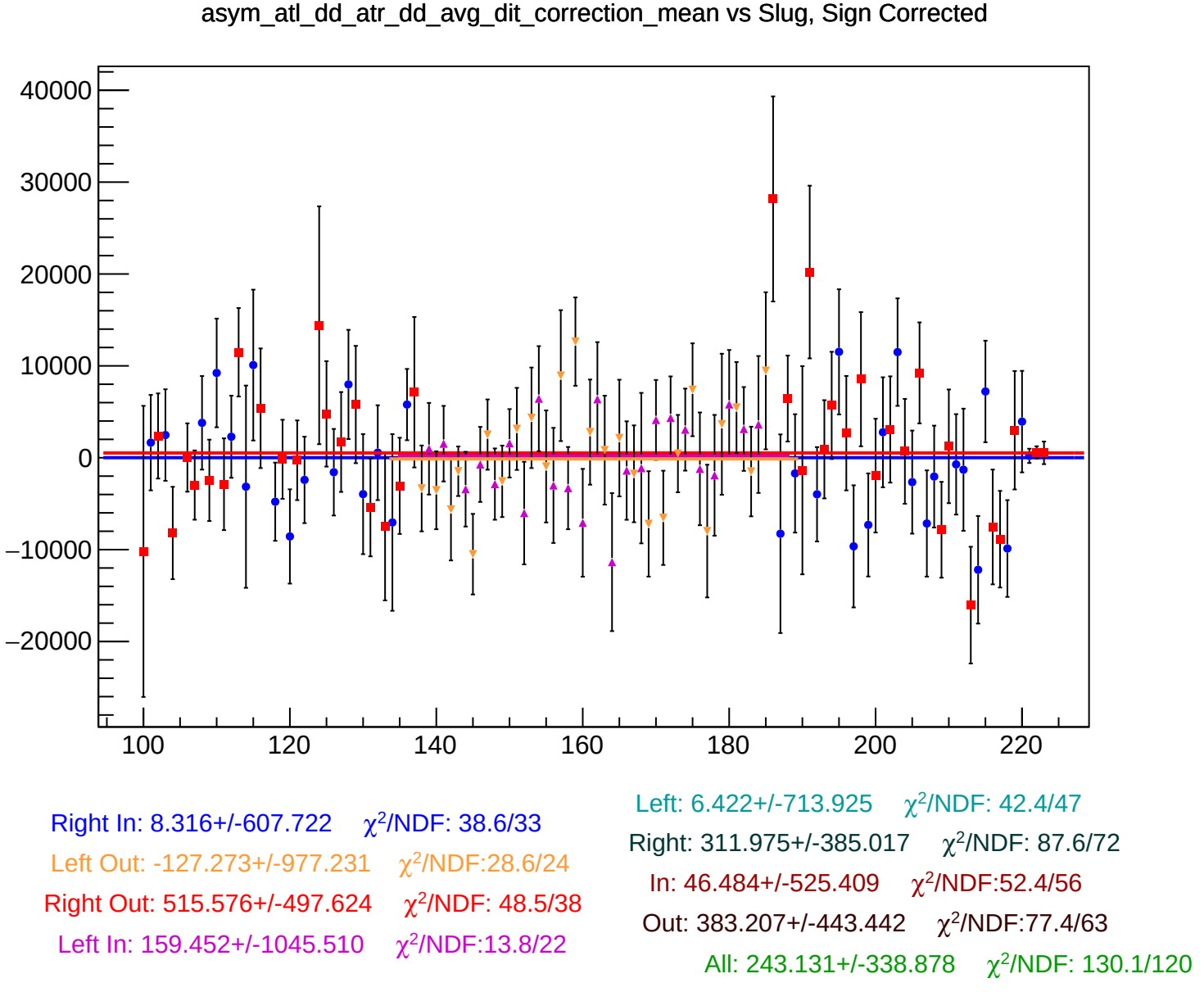
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

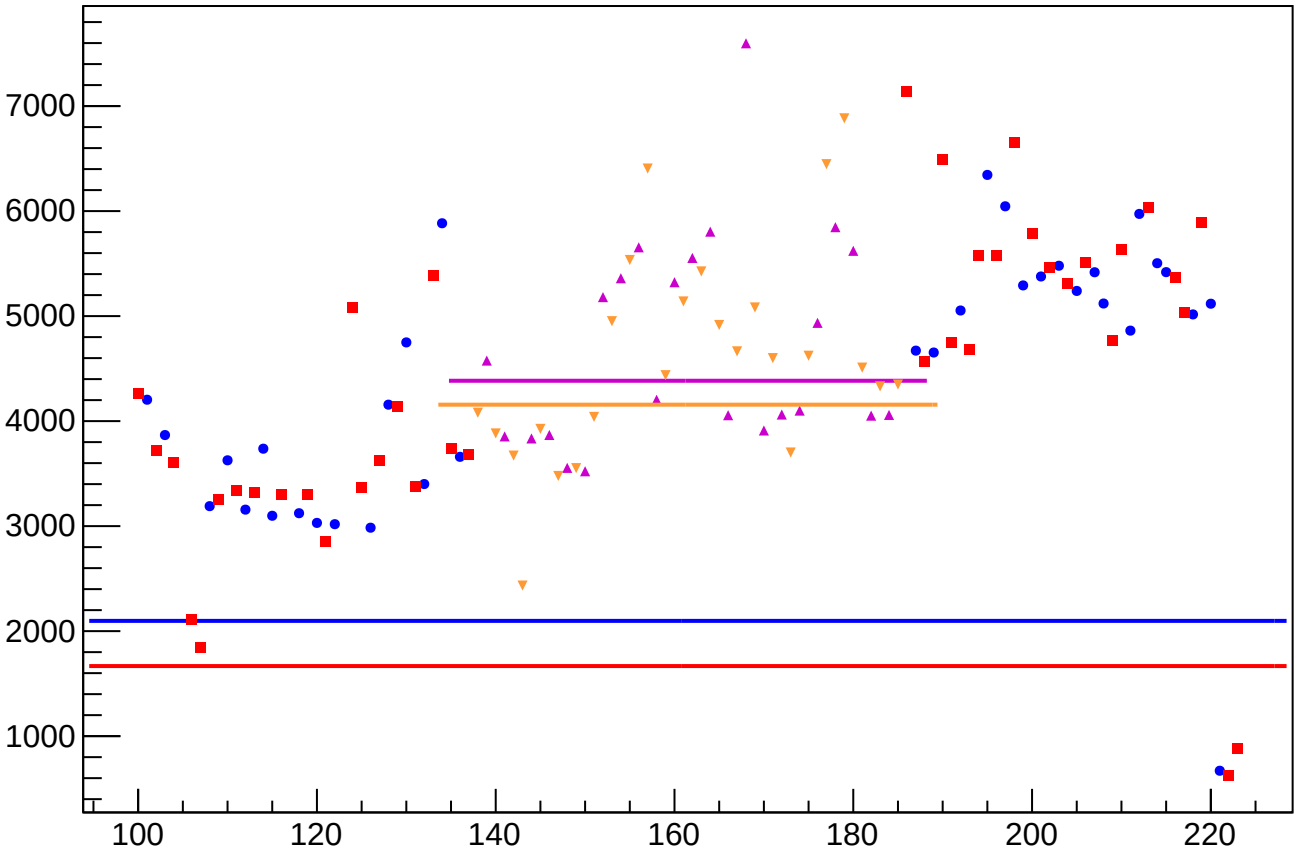
Right: 1301.602+/-0.141 χ^2/NDF: 3234892.4/72

In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1298.890+/-0.144 χ^2/NDF:2920021.1/63

All: 1301.847+/-0.103 χ^2/NDF: 3514424.4/12


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 8.316+/-607.722 χ²/NDF: 38.6/33
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 515.576+/-497.624 χ²/NDF: 48.5/38
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 311.975+/-385.017 χ²/NDF: 87.6/72
In: 46.484+/-525.409 χ²/NDF:52.4/56
Out: 383.207+/-443.442 χ²/NDF:77.4/63
All: 243.131+/-338.878 χ²/NDF: 130.1/120



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

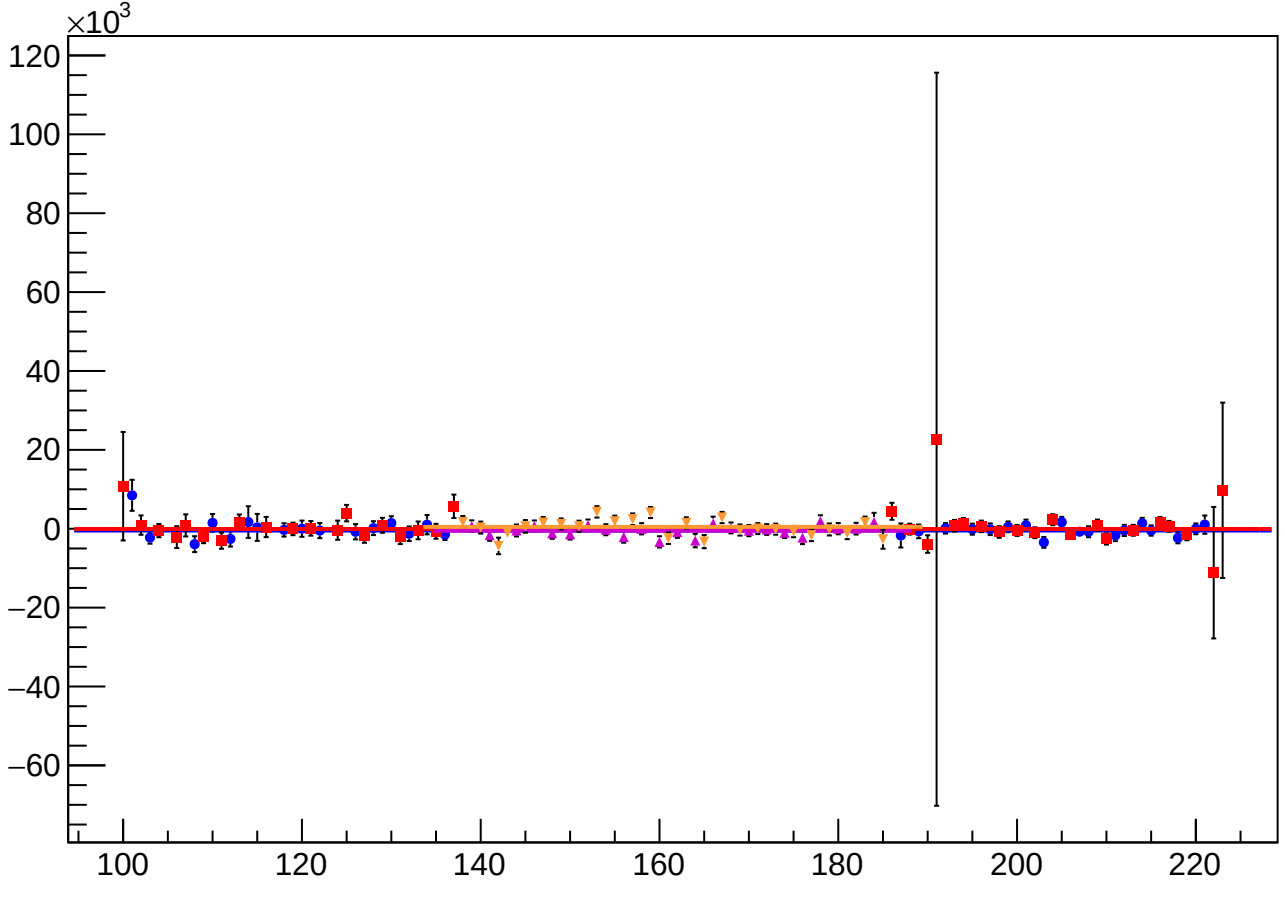
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 1840.090+/-0.272 χ^2/NDF: 43286353.6/72

In: 2675.167+/-0.372 χ^2/NDF:27977193.8/56

Out: 2179.927+/-0.314 χ^2/NDF:35500411.9/63

All: 2385.946+/-0.240 χ^2/NDF: 64515326.3/1



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

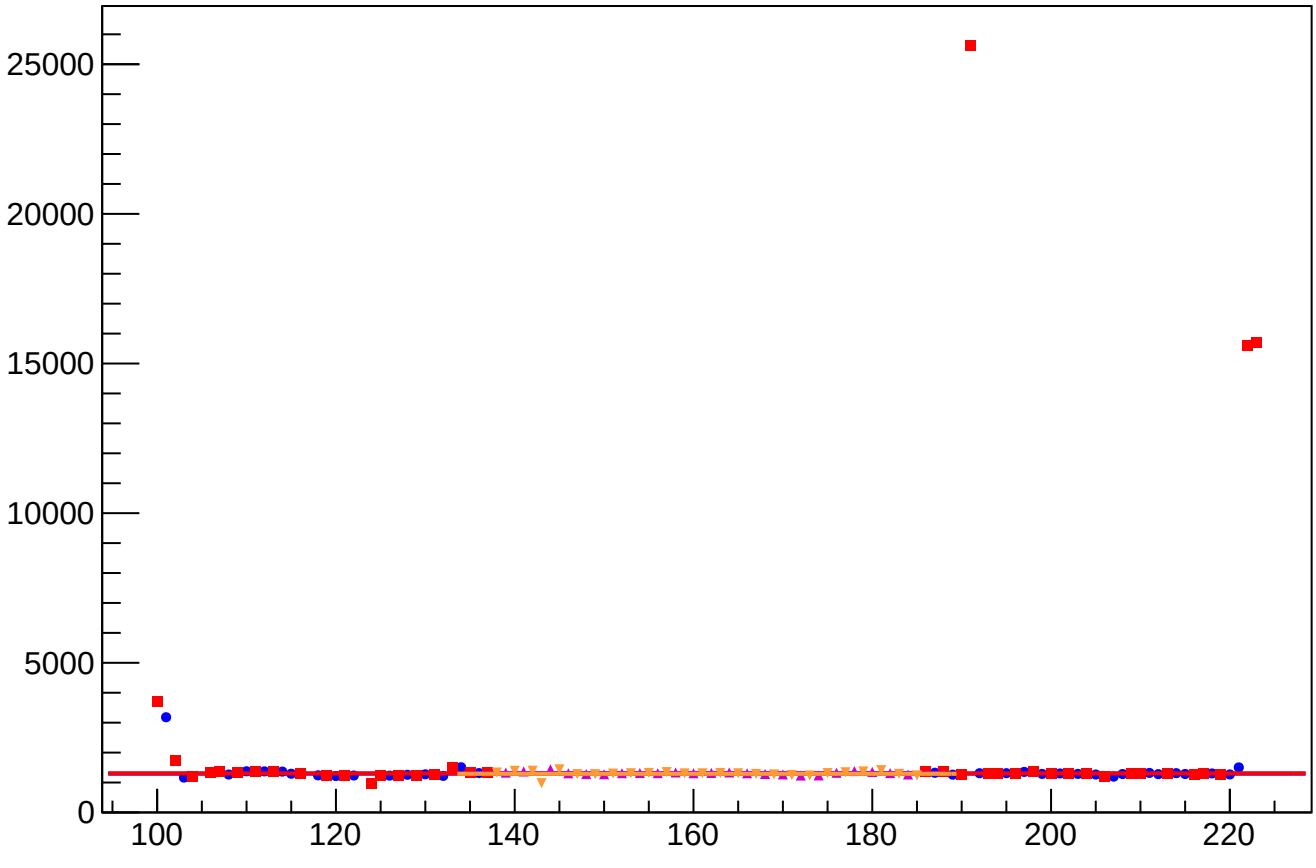
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -259.484+/-200.026 χ^2/NDF: 64.8/72

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 190.536+/-204.349 χ^2/NDF:81.6/63

All: -136.210+/-145.634 χ^2/NDF: 132.3/120



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

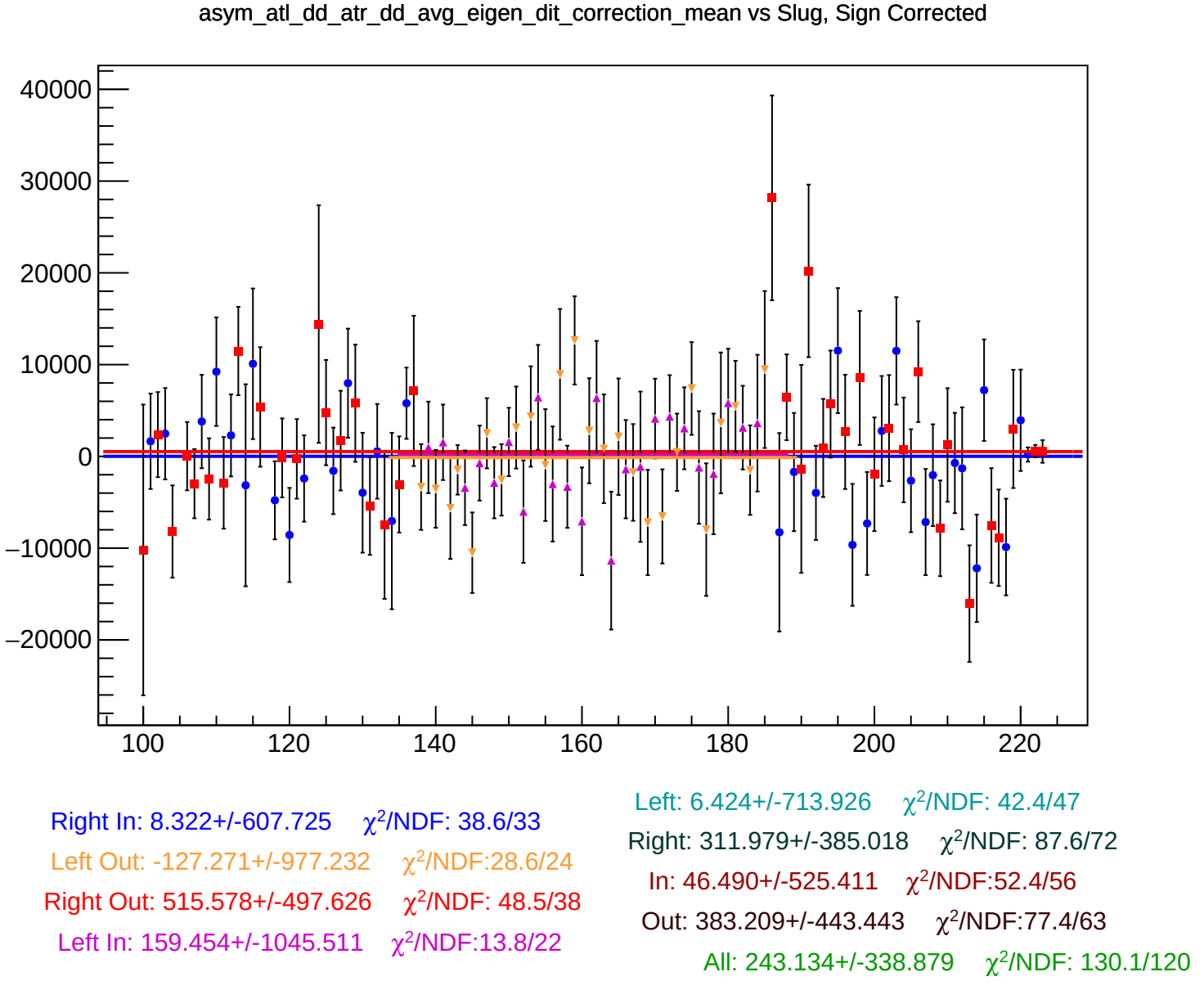
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

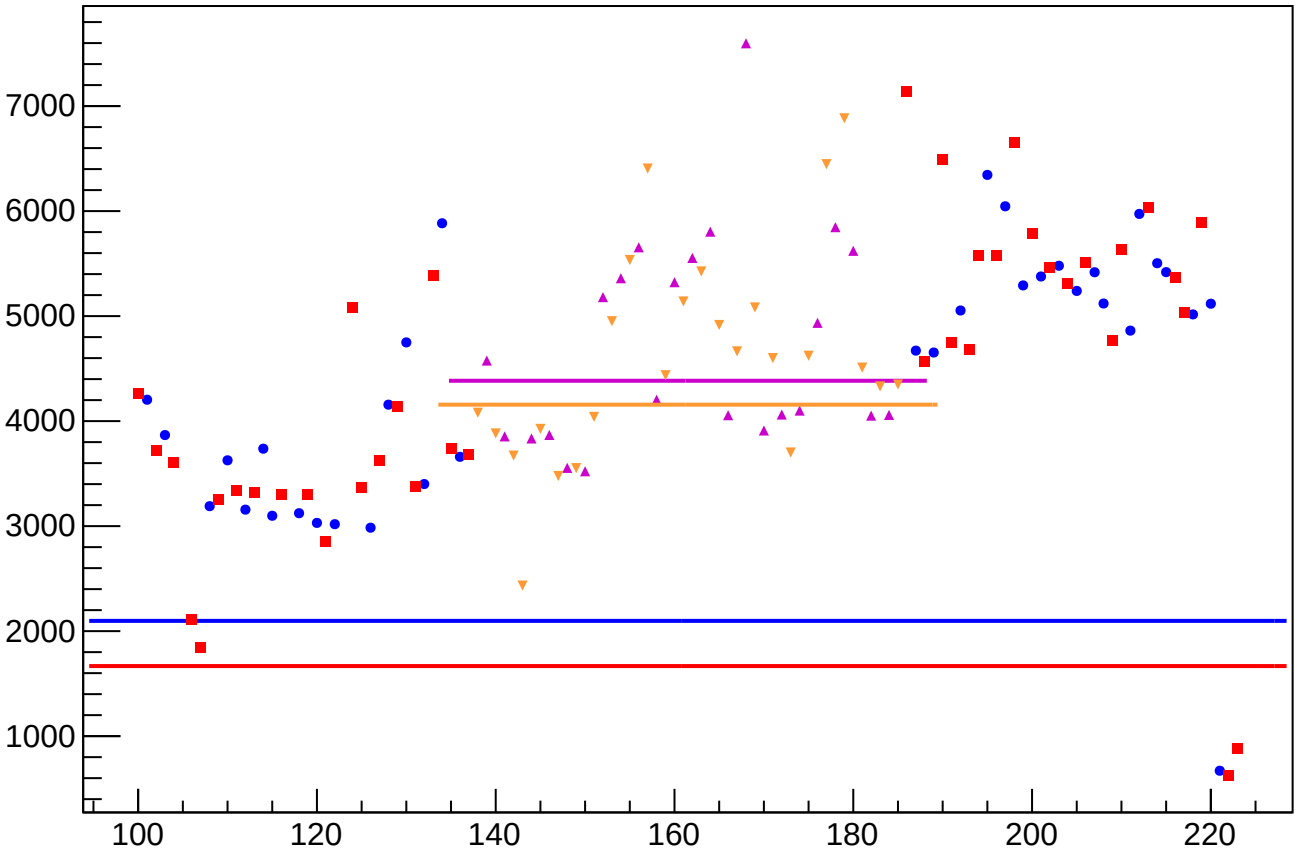
Right: 1301.602+/-0.141 χ^2/NDF: 3234892.6/72

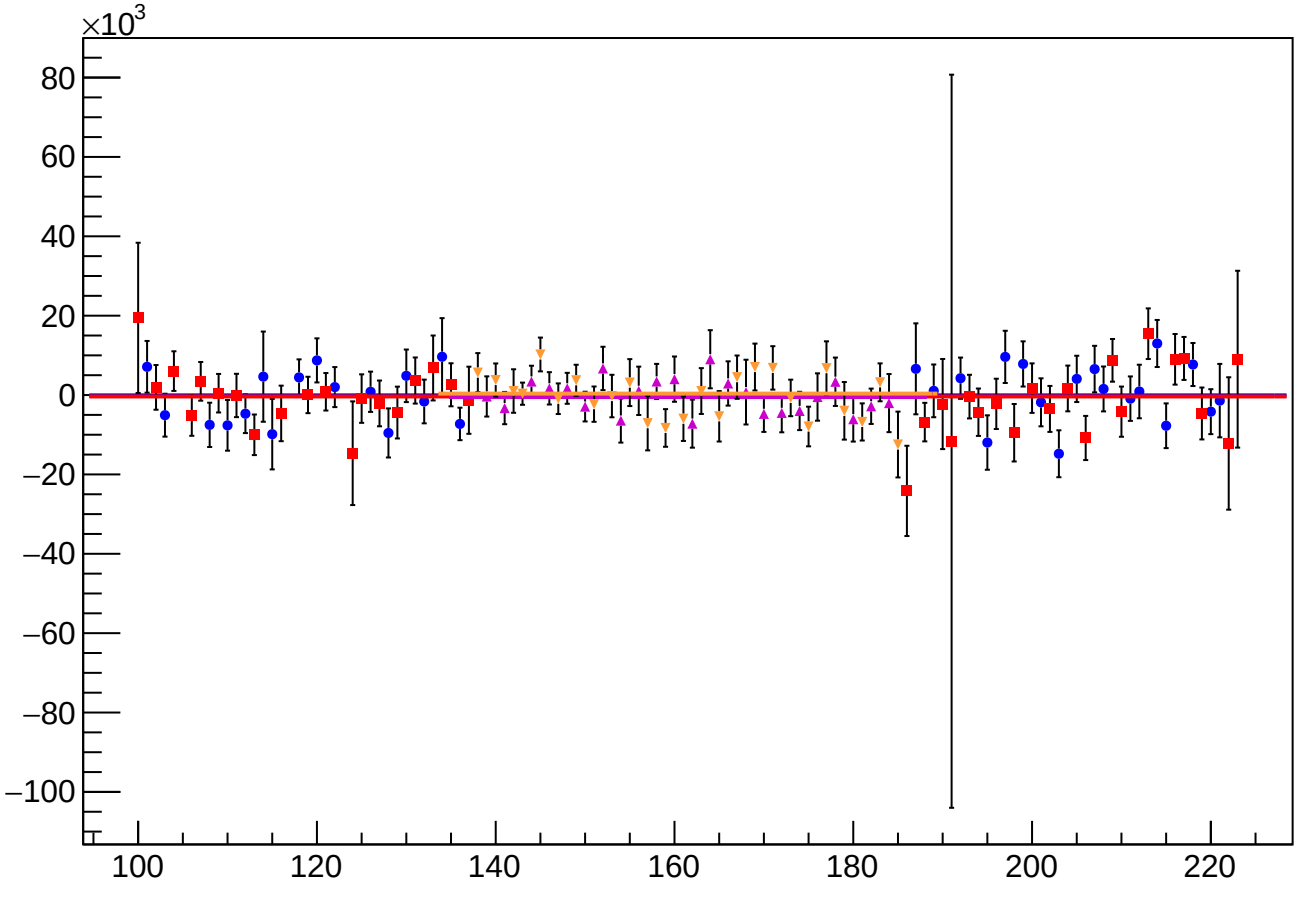
In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1298.891+/-0.144 χ^2/NDF:2920023.3/63

All: 1301.847+/-0.103 χ^2/NDF: 3514429.2/12


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 8.322+/-607.725 χ²/NDF: 38.6/33
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 515.578+/-497.626 χ²/NDF: 48.5/38
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 311.979+/-385.018 χ²/NDF: 87.6/72
In: 46.490+/-525.411 χ²/NDF:52.4/56
Out: 383.209+/-443.443 χ²/NDF:77.4/63
All: 243.134+/-338.879 χ²/NDF: 130.1/120


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2097.705+/-0.430 χ²/NDF: 19570803.2/33
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 1667.380+/-0.352 χ²/NDF: 23115034.3/38
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 1840.101+/-0.272 χ²/NDF: 43286133.1/72
In: 2675.184+/-0.372 χ²/NDF:27976943.3/56
Out: 2179.935+/-0.314 χ²/NDF:35500284.0/63
All: 2385.957+/-0.240 χ²/NDF: 64514977.8/



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

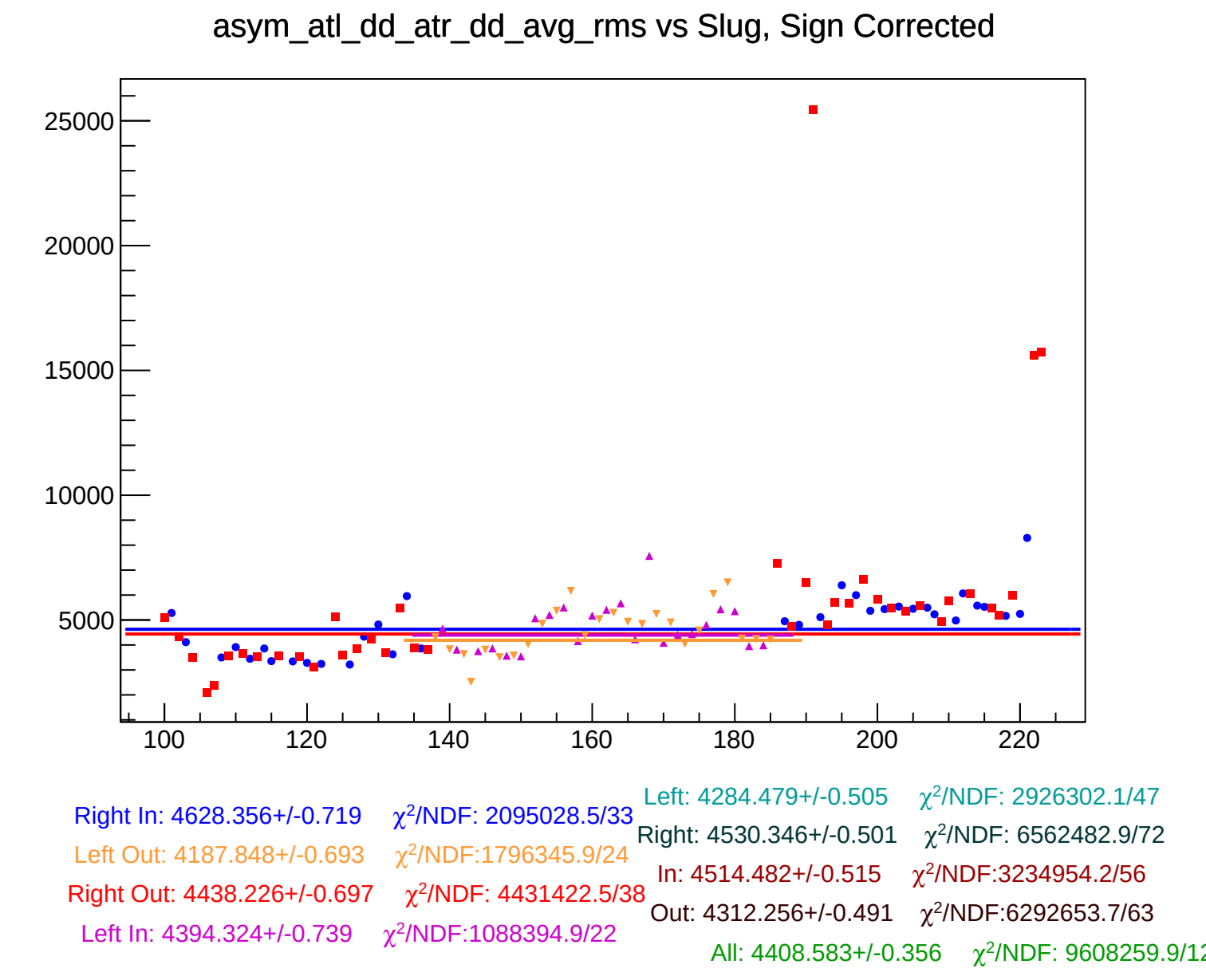
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

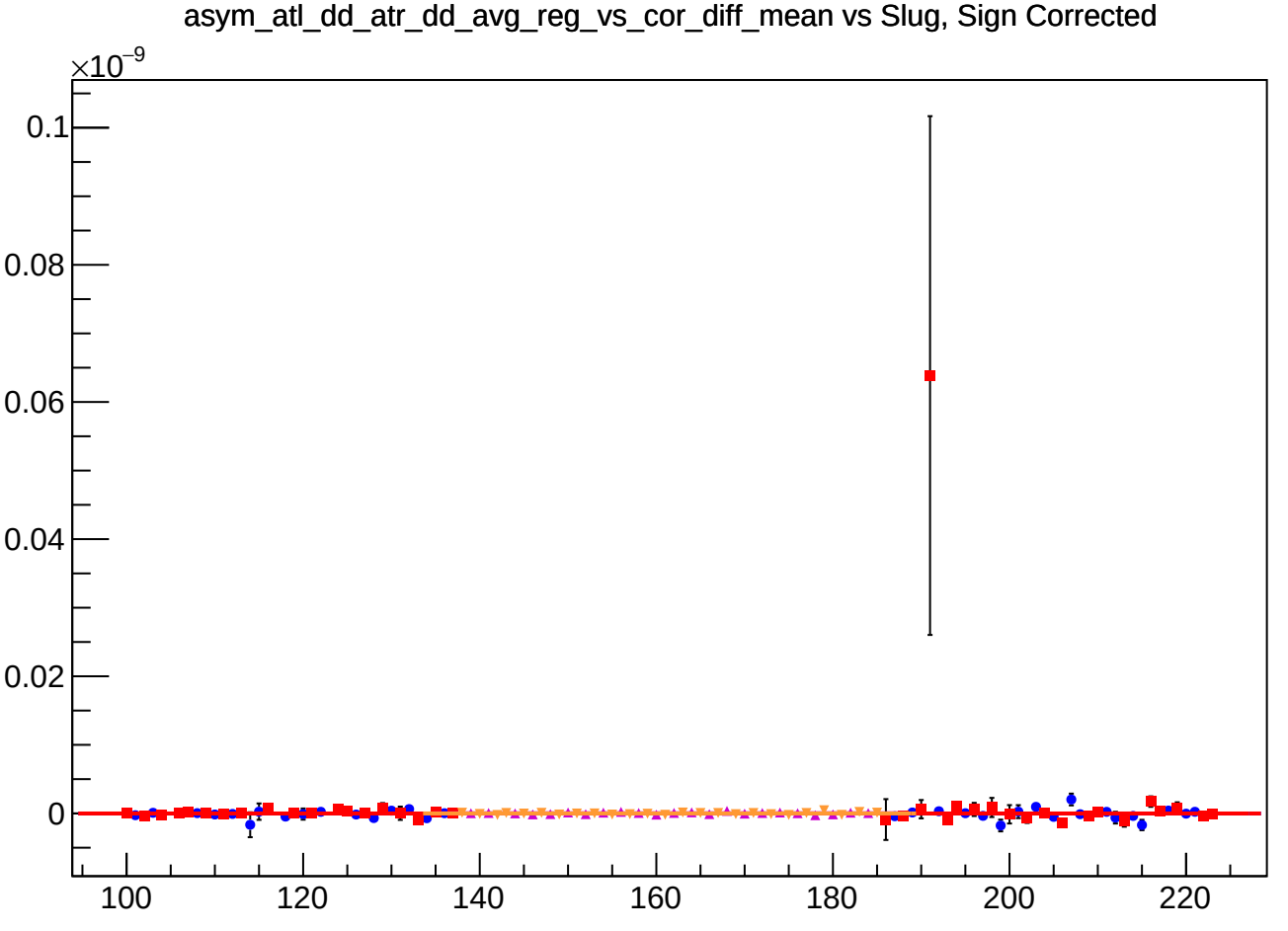
Right: -222.822+/-710.703 χ^2/NDF: 83.8/72

In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 9.083+/-697.656 χ^2/NDF:67.7/63

All: -131.912+/-503.947 χ^2/NDF: 125.8/120


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4628.356+/-0.719 χ²/NDF: 2095028.5/33
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4438.226+/-0.697 χ²/NDF: 4431422.5/38
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4530.346+/-0.501 χ²/NDF: 6562482.9/72
In: 4514.482+/-0.515 χ²/NDF:3234954.2/56
Out: 4312.256+/-0.491 χ²/NDF:6292653.7/63
All: 4408.583+/-0.356 χ²/NDF: 9608259.9/12



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

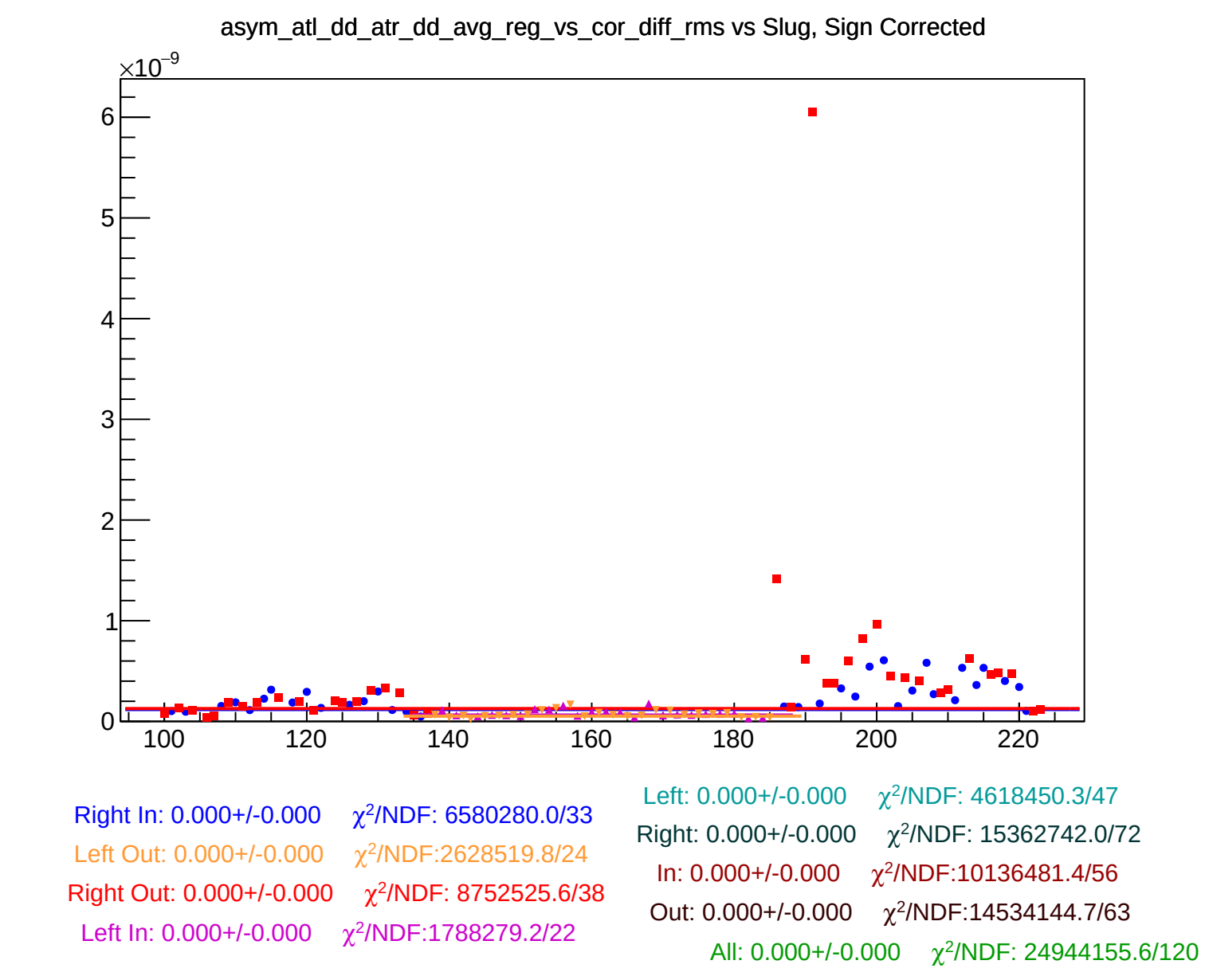
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

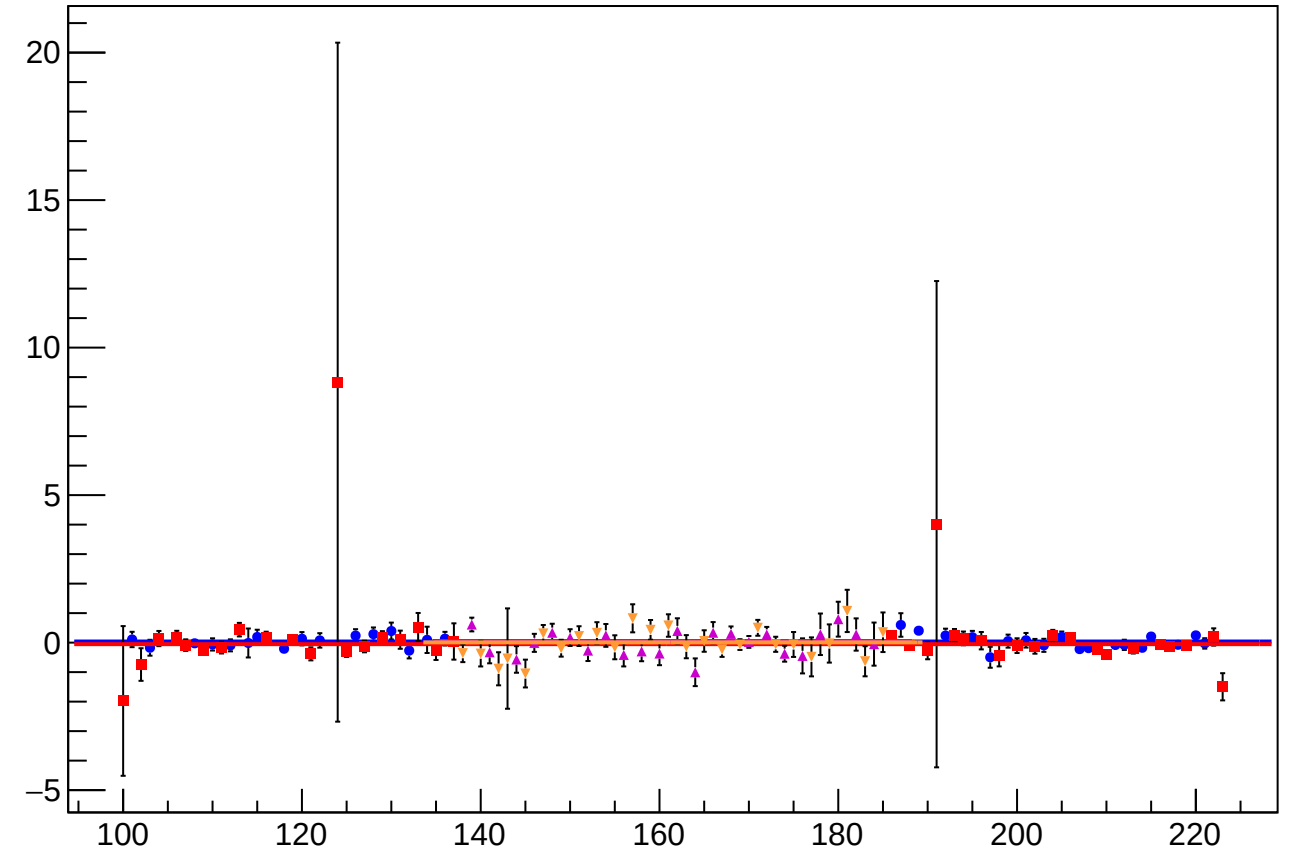
Right: -0.000+/-0.000 χ^2/NDF: 87.2/72

In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:75.4/63

All: 0.000+/-0.000 χ^2/NDF: 135.4/120


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 15362742.0/72
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14534144.7/63
All: 0.000+/-0.000 χ²/NDF: 24944155.6/120



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

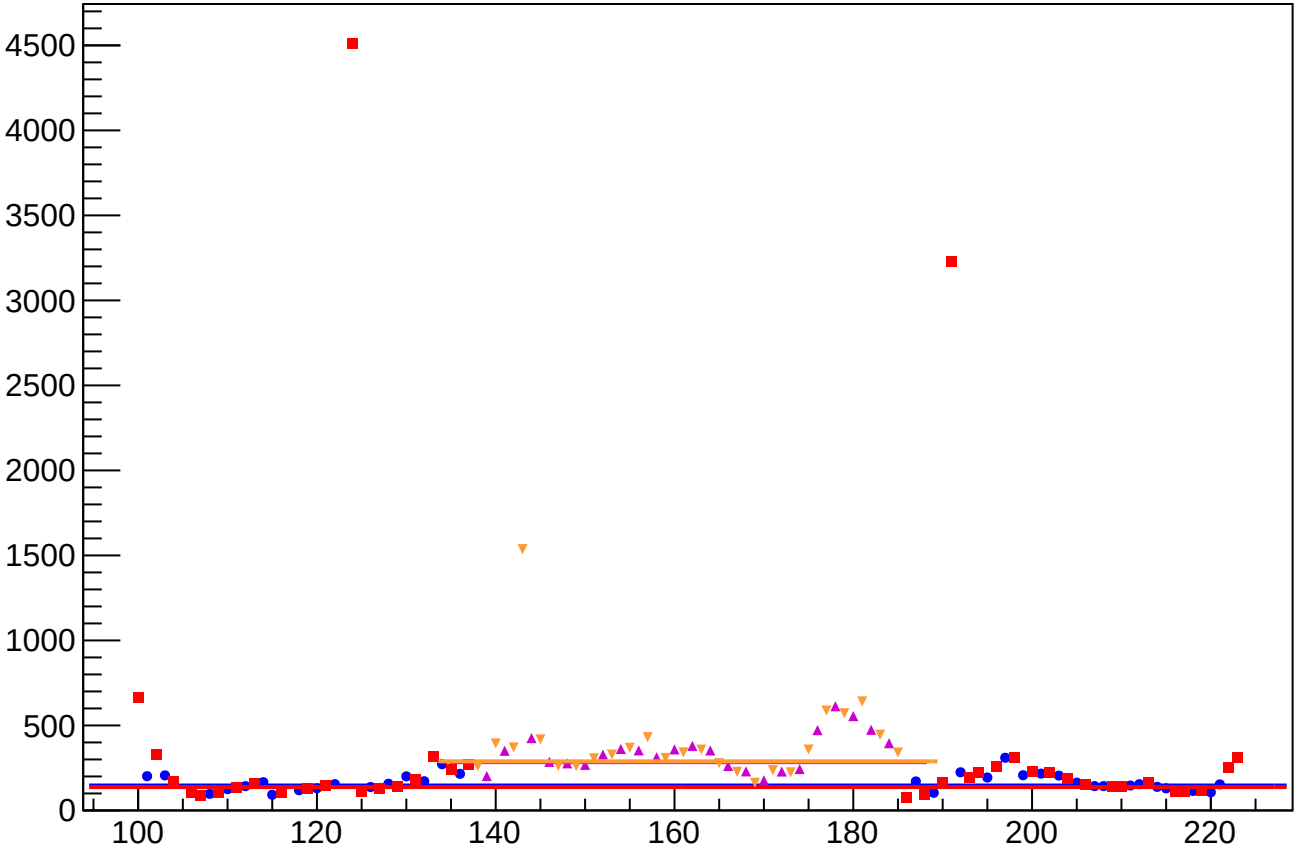
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

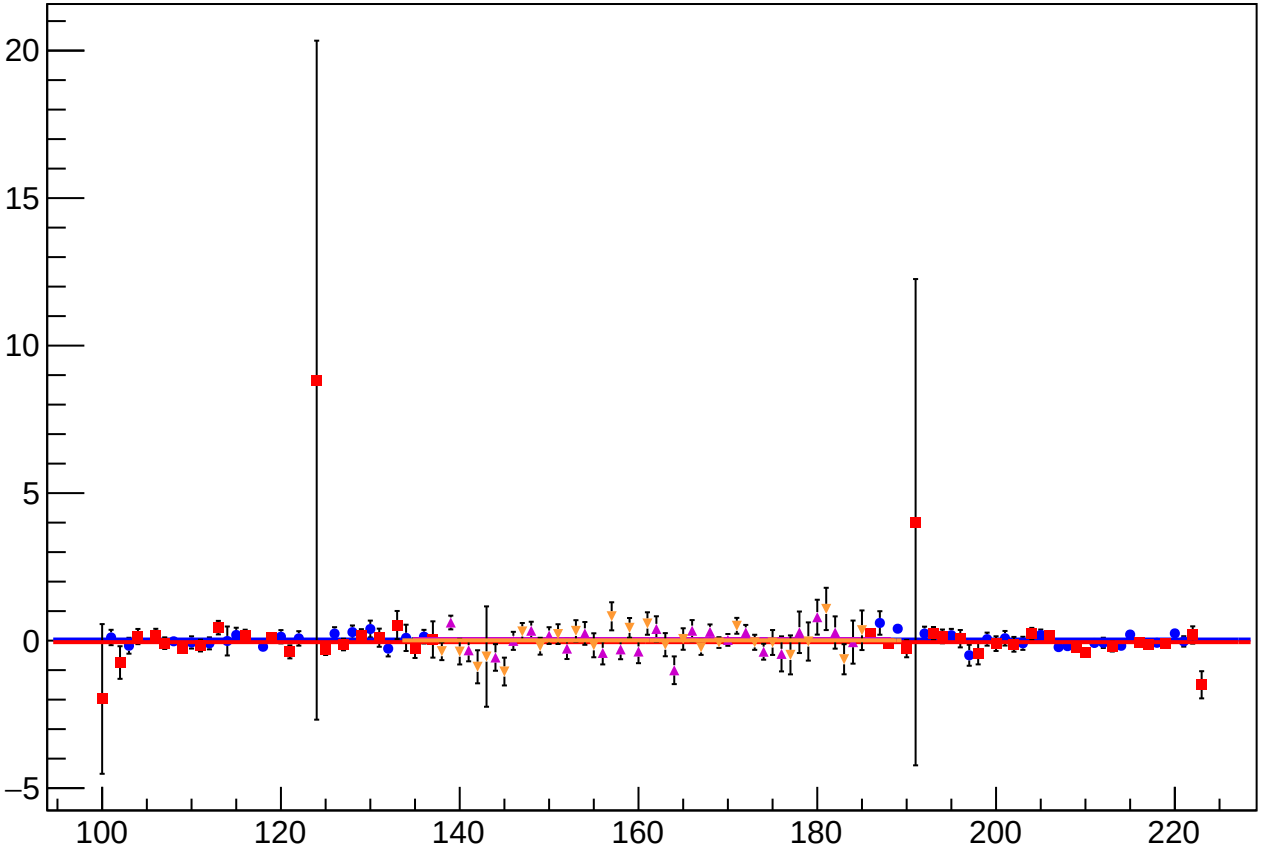
Right: 141.965+/-0.016 χ^2/NDF: 8409430.8/72

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.914+/-0.021 χ^2/NDF:17754436.1/63

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

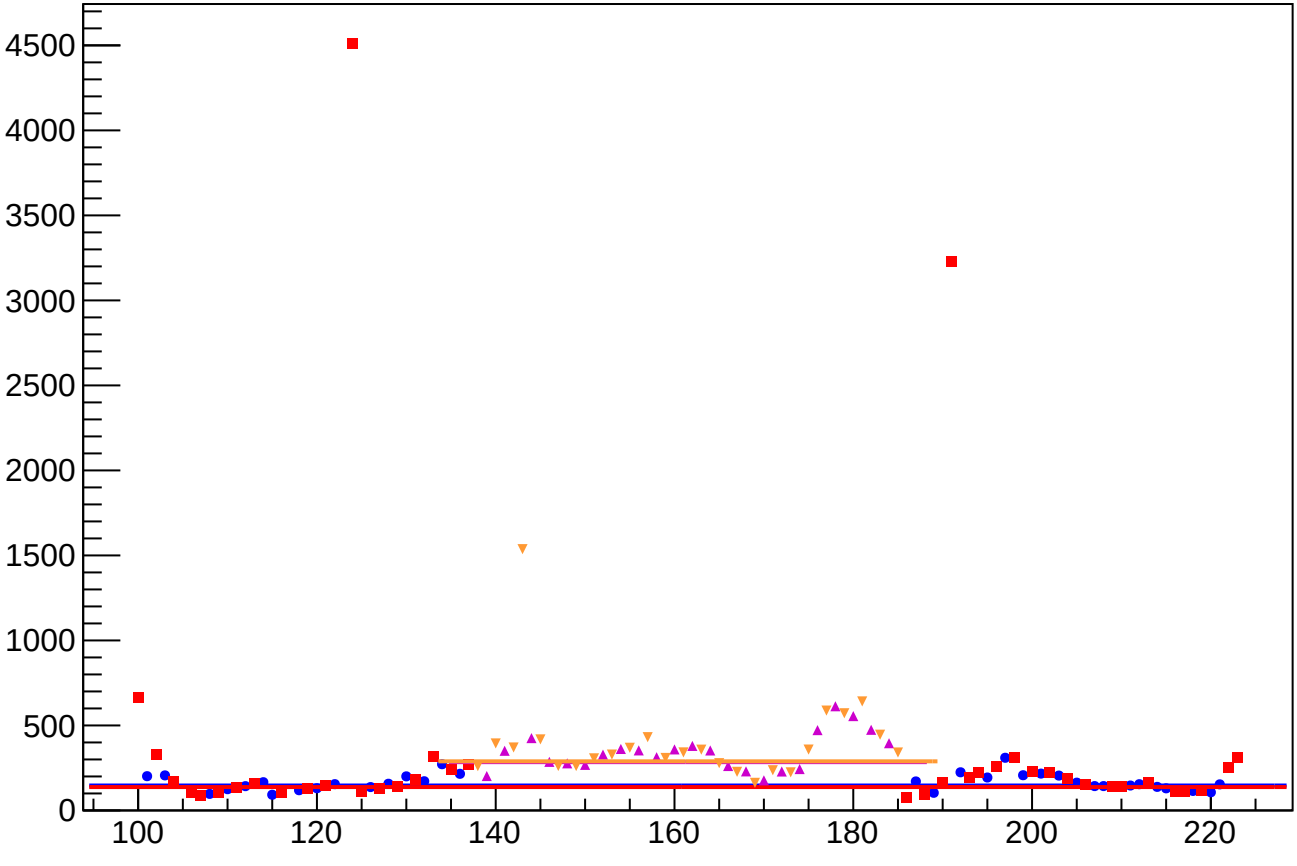
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

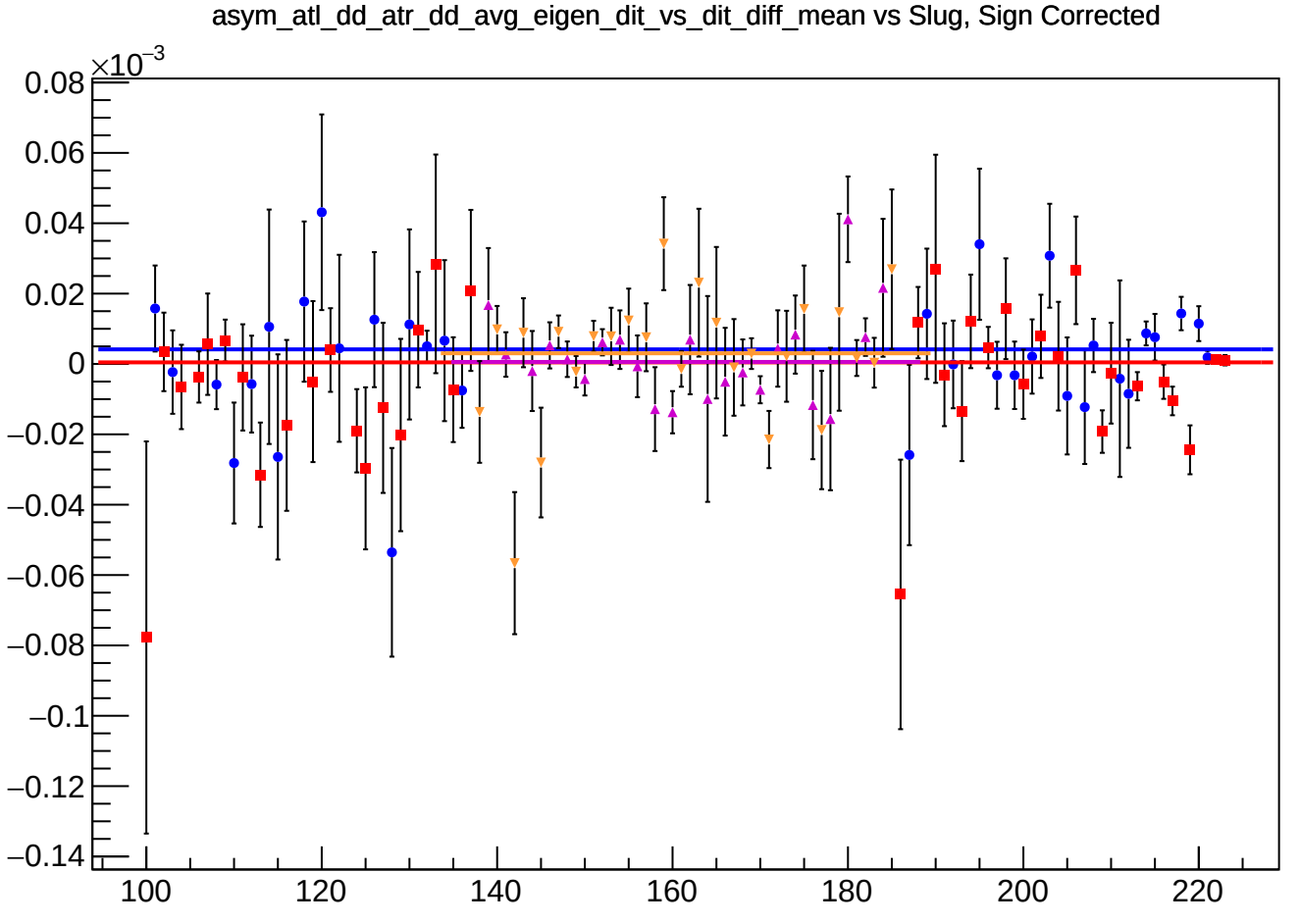
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 141.965+/-0.016 χ^2/NDF: 8409430.8/72

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.914+/-0.021 χ^2/NDF:17754436.1/63

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12



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

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

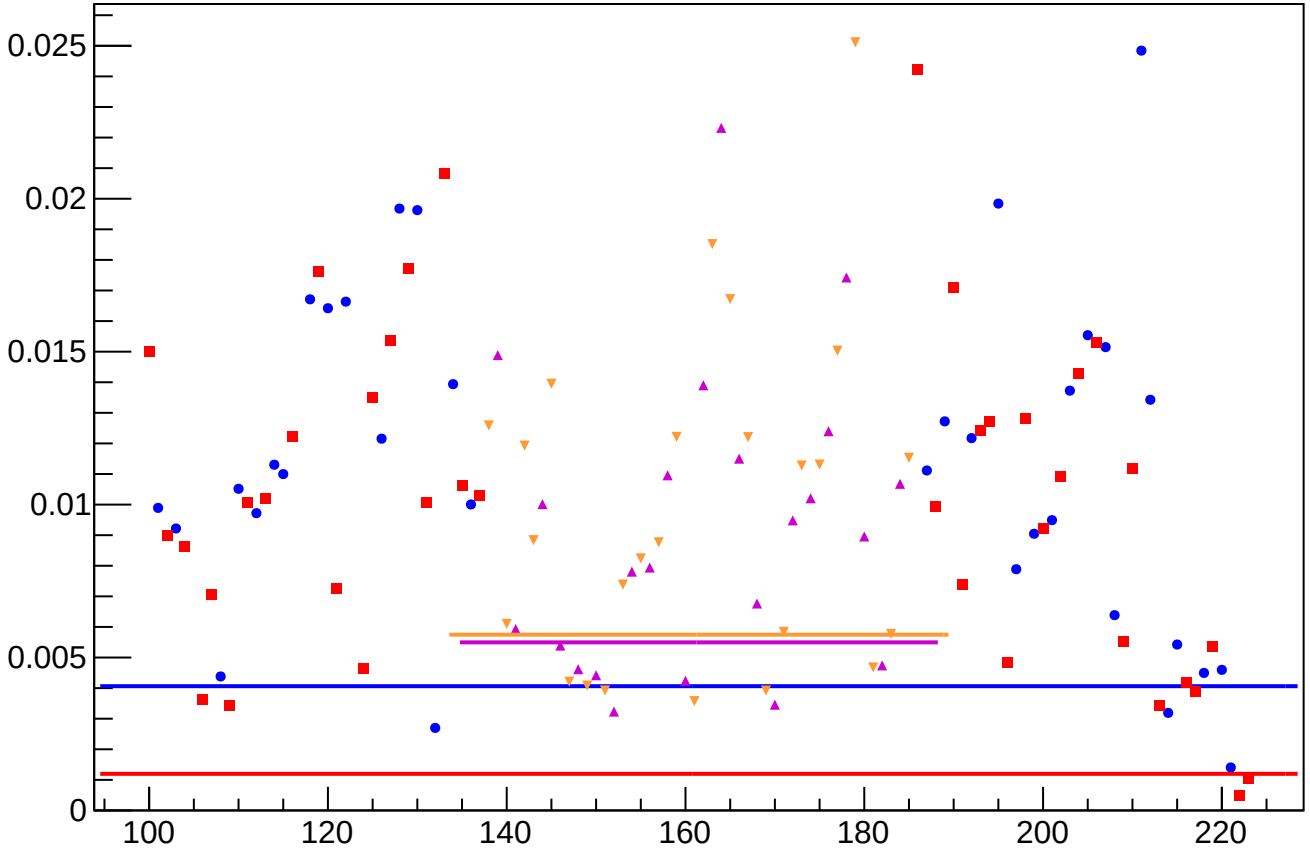
Right: 0.000+/-0.000 χ^2/NDF: 110.2/72

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: 0.000+/-0.000 χ^2/NDF:110.1/63

All: 0.000+/-0.000 χ^2/NDF: 187.3/120

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

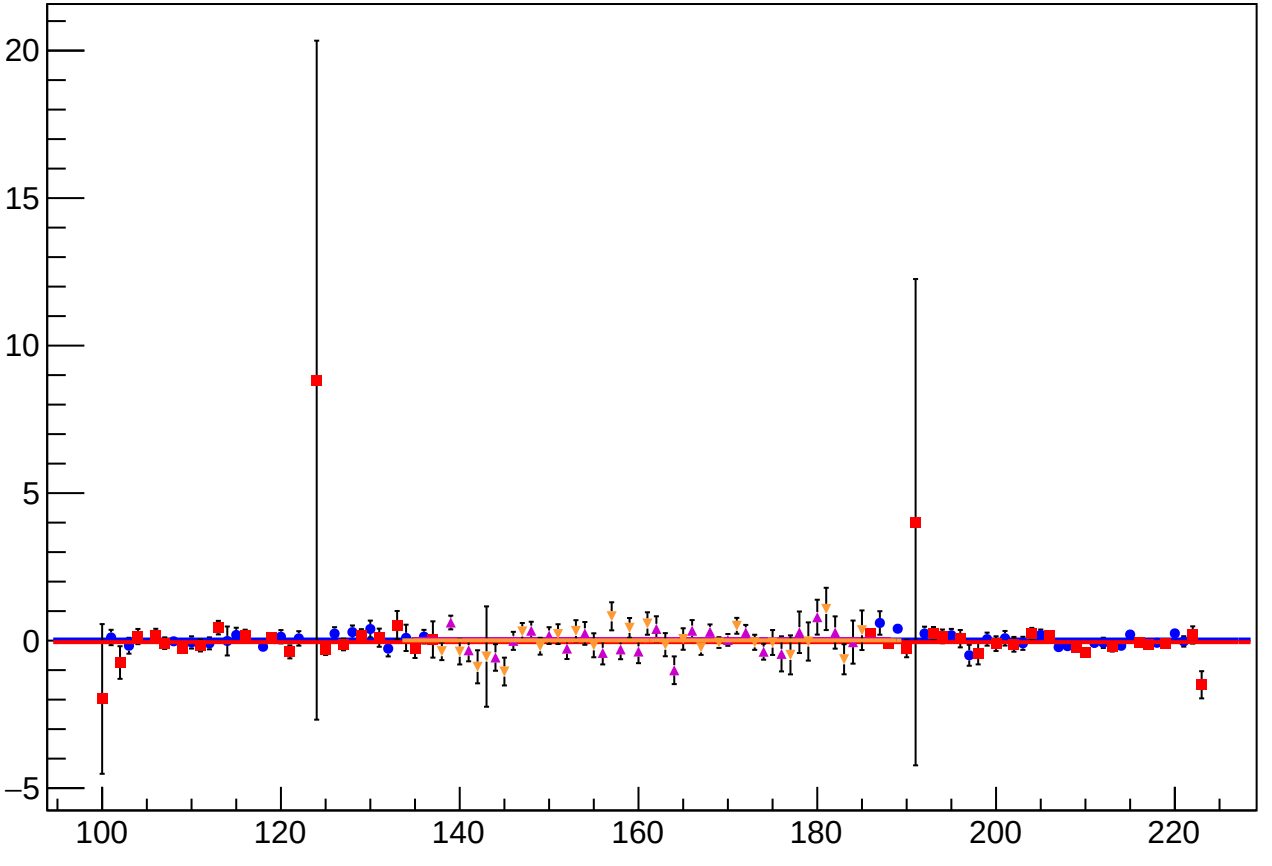
Right: 0.002+/-0.000 χ^2/NDF: 60530282.1/72

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.002+/-0.000 χ^2/NDF:56300032.4/63

All: 0.002+/-0.000 χ^2/NDF: 98287235.8/120

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

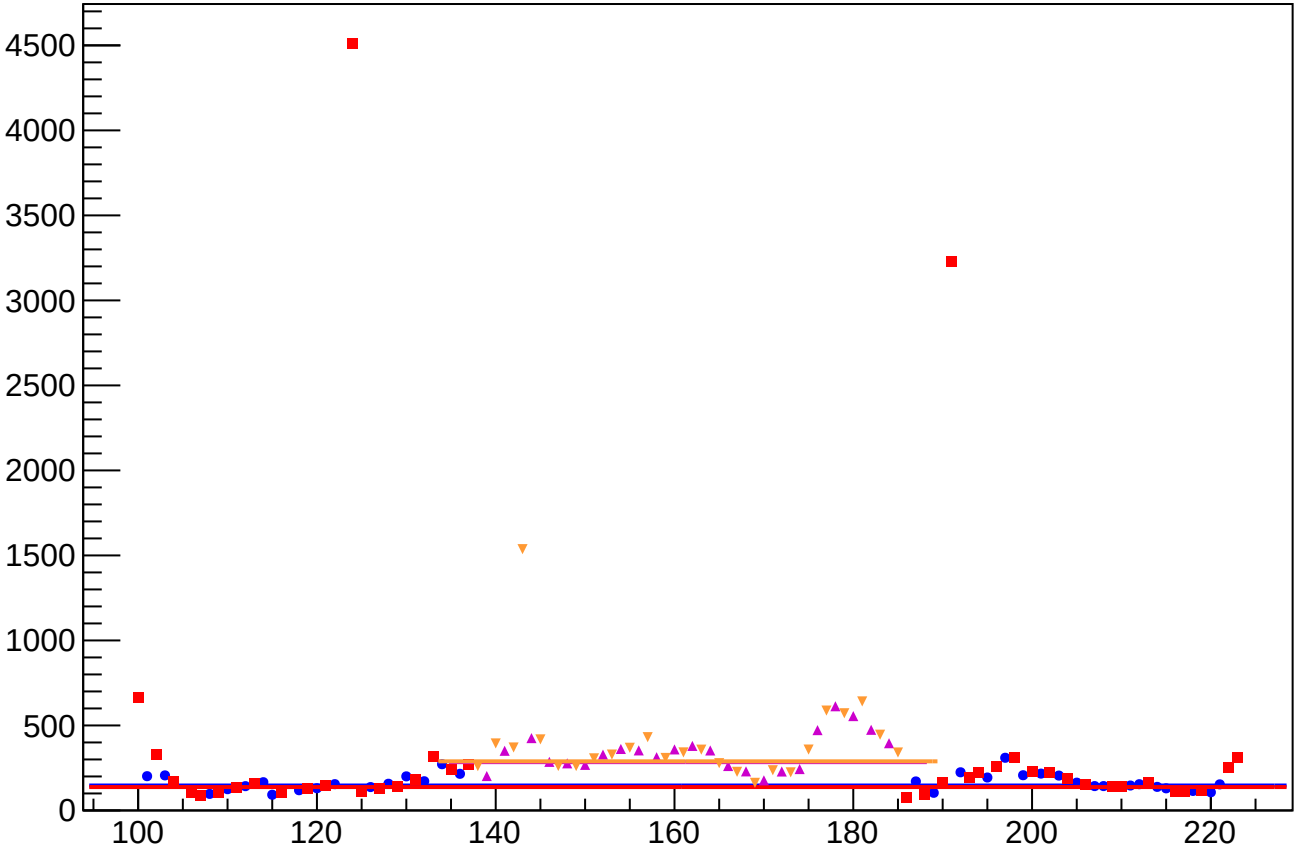
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

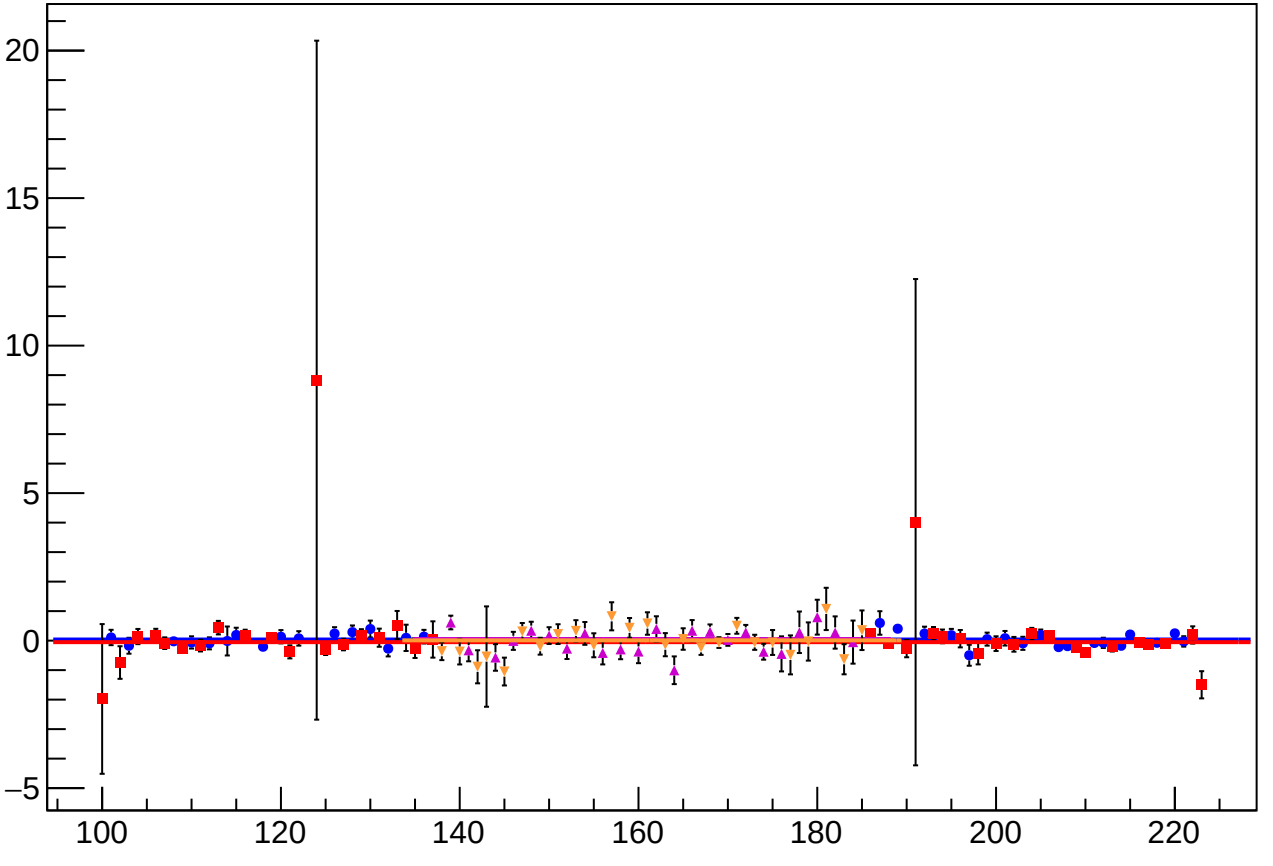
Right: 141.967+/-0.016 χ^2/NDF: 8409224.5/72

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.916+/-0.021 χ^2/NDF:17754201.0/63

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

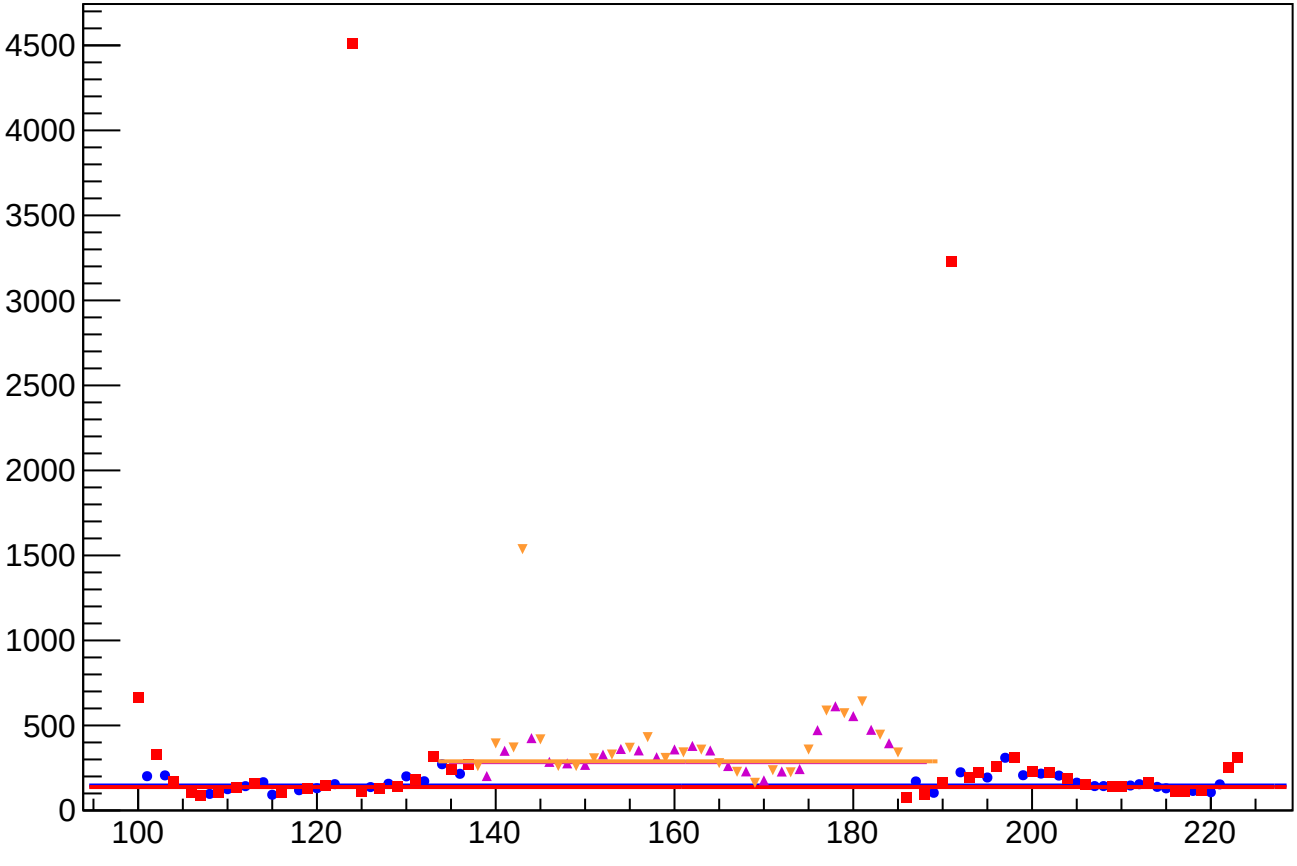
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

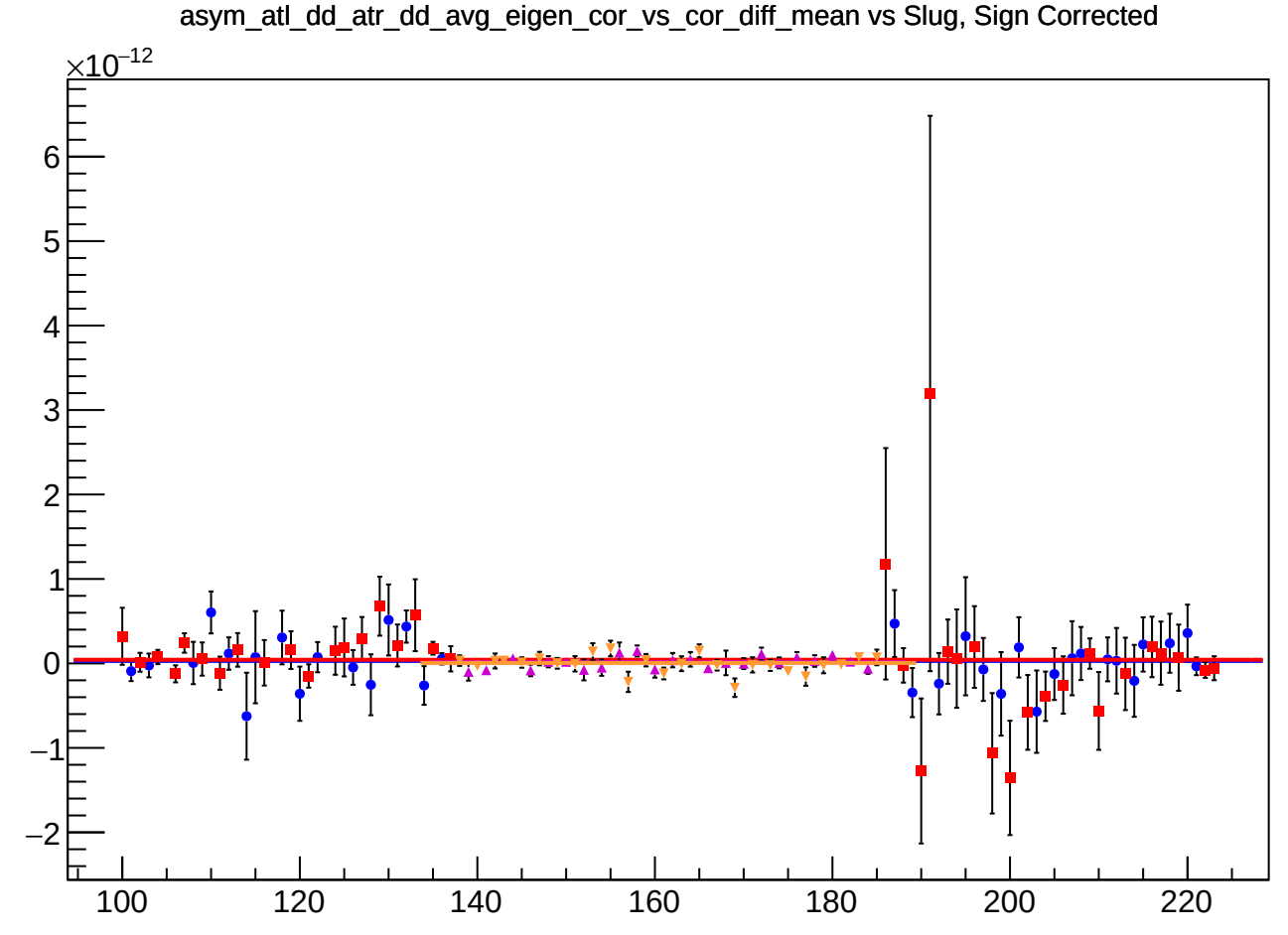
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 141.967+/-0.016 χ^2/NDF: 8409224.5/72

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.916+/-0.021 χ^2/NDF:17754201.0/63

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12



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

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

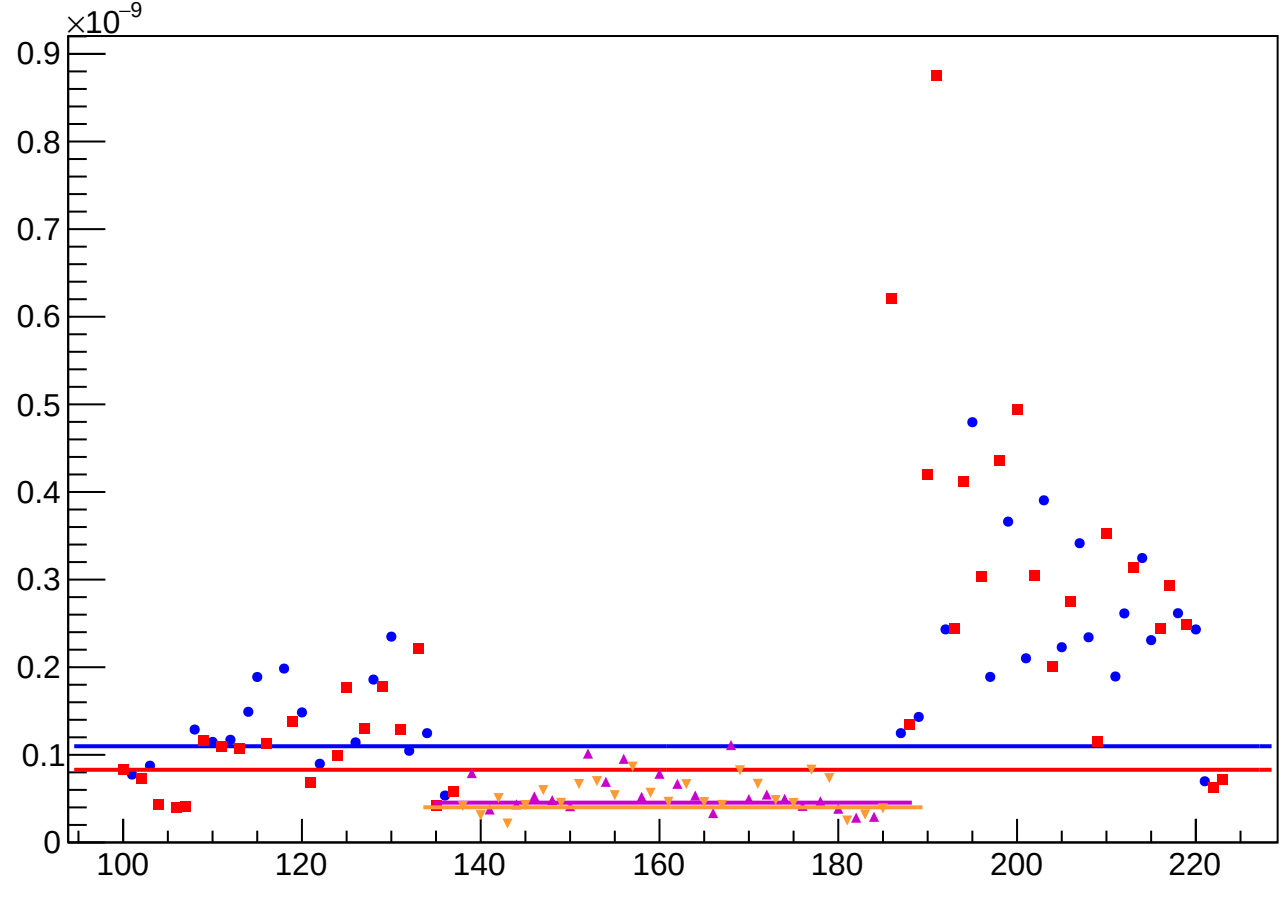
Right: 0.000+/-0.000 χ^2/NDF: 67.9/72

In: 0.000+/-0.000 χ^2/NDF:51.2/56

Out: 0.000+/-0.000 χ^2/NDF:75.6/63

All: 0.000+/-0.000 χ^2/NDF: 126.8/120

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

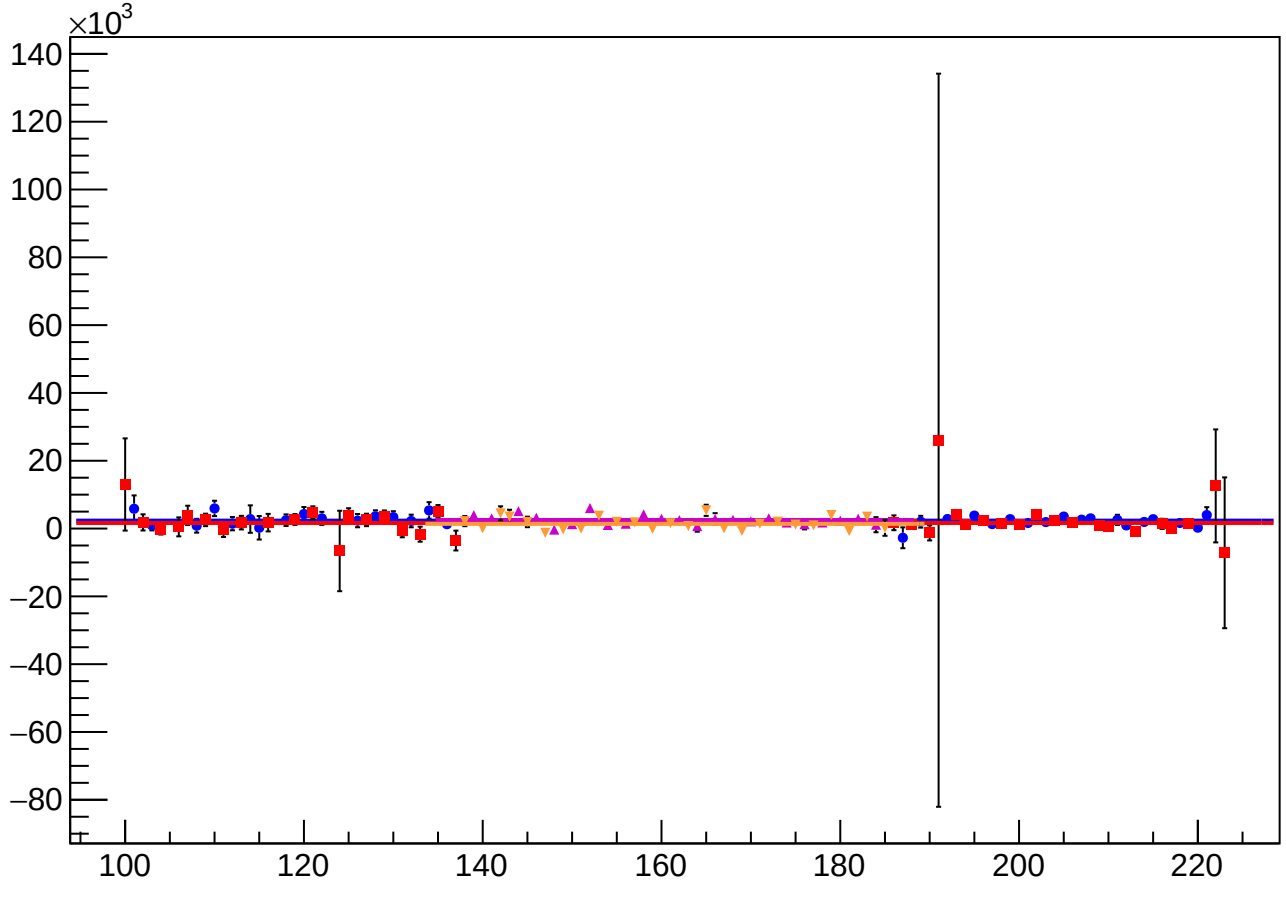
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19048757.1/72

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17713545.4/63

All: 0.000+/-0.000 χ^2/NDF: 34292033.4/120



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

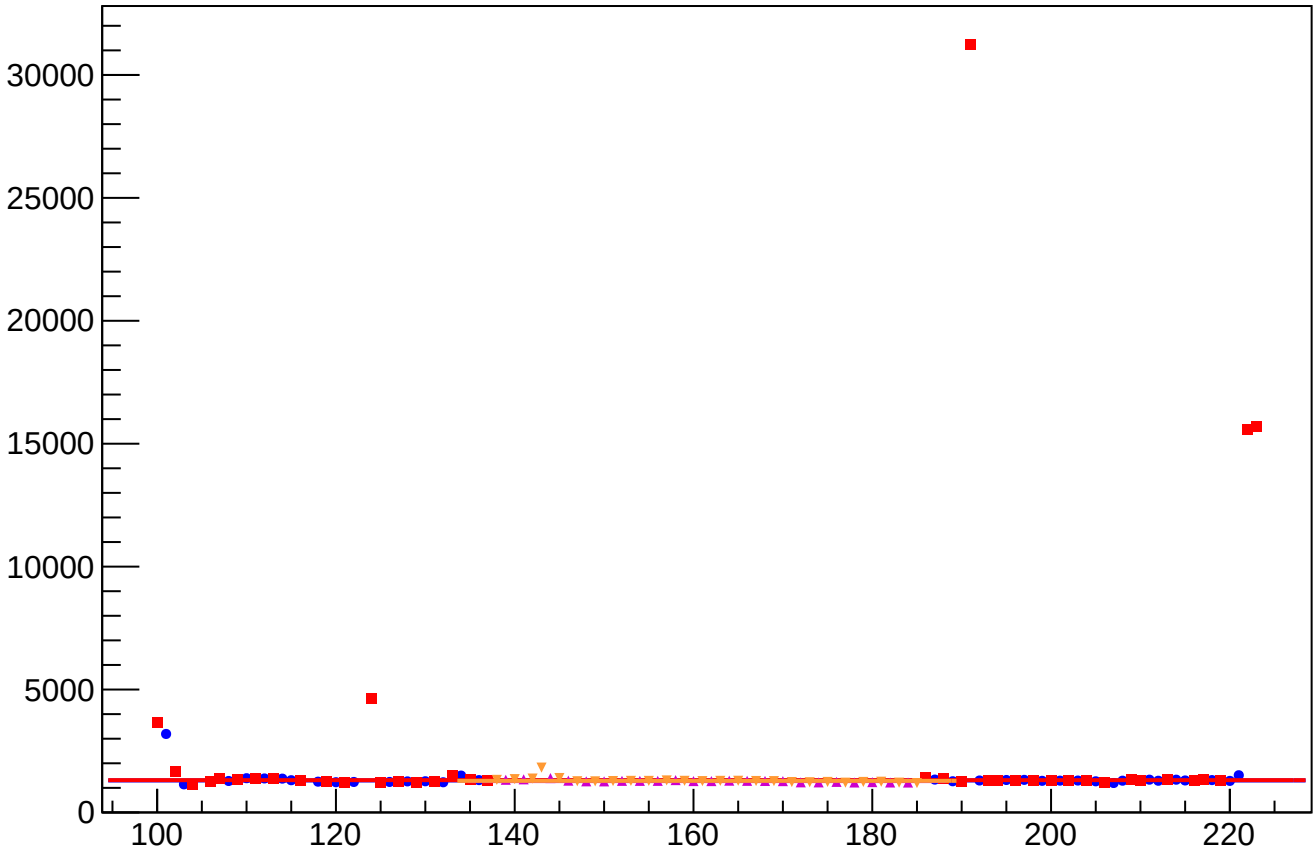
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 1994.879+/-201.131 χ^2/NDF: 57.5/72

In: 2424.011+/-205.119 χ^2/NDF:42.1/56

Out: 1515.957+/-204.673 χ^2/NDF:68.3/63

All: 1968.997+/-144.883 χ^2/NDF: 120.3/120



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

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

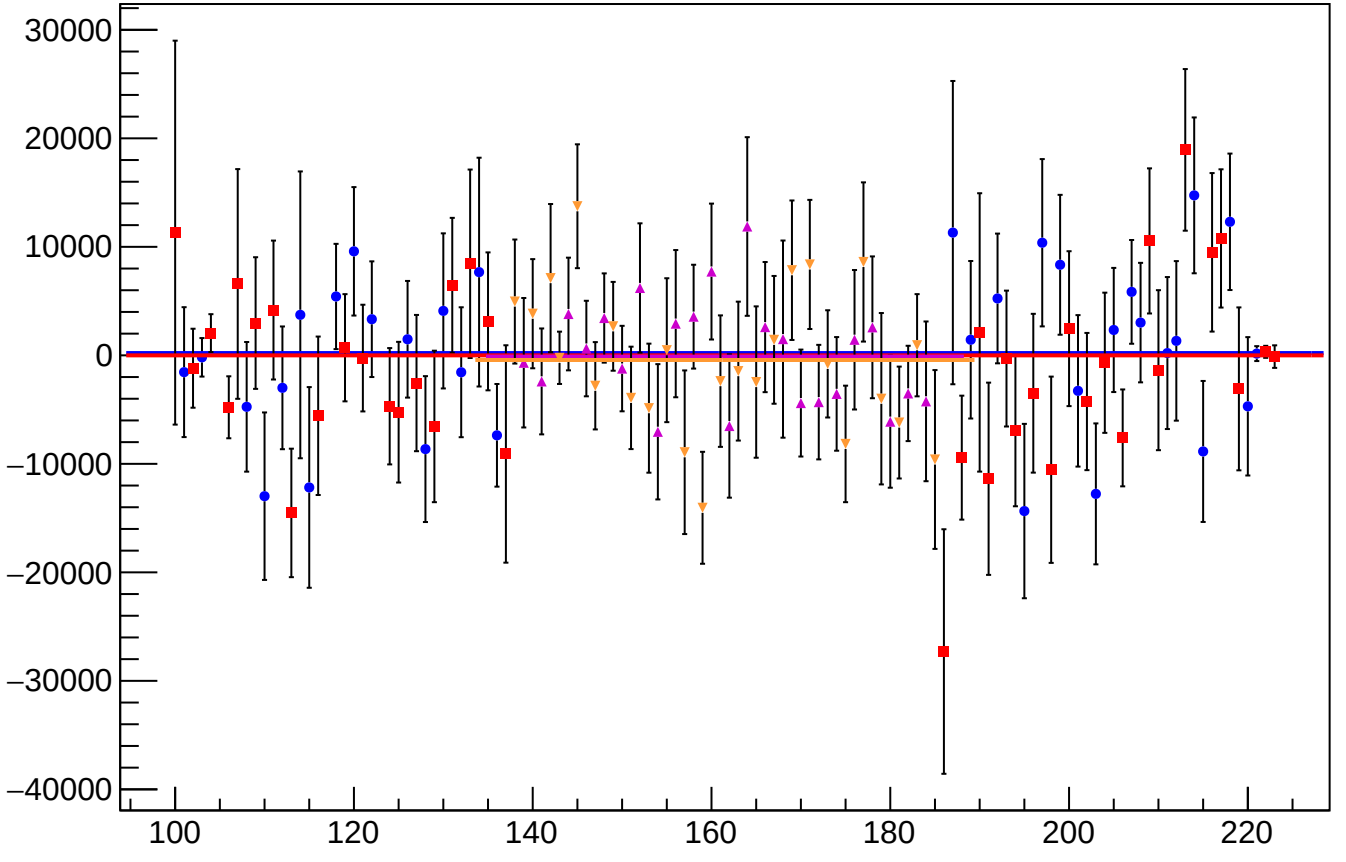
Right: 1307.771+/-0.142 χ^2/NDF: 3366046.8/72

In: 1289.329+/-0.145 χ^2/NDF:601372.2/56

Out: 1300.322+/-0.145 χ^2/NDF:3012505.0/63

All: 1294.840+/-0.102 χ^2/NDF: 3616756.9/12

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



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

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

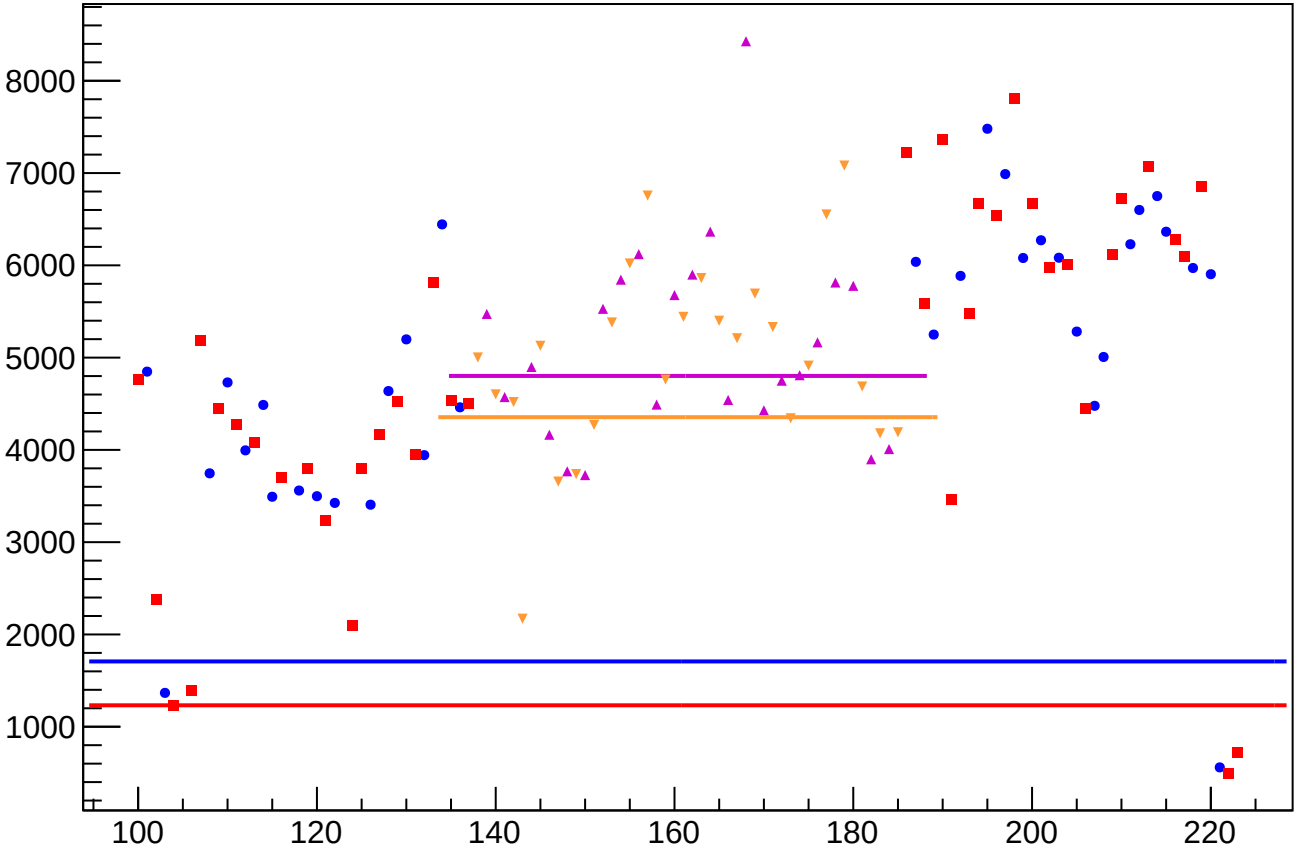
Right: 76.424+/-339.605 χ^2/NDF: 88.1/72

In: 146.447+/-501.405 χ^2/NDF:53.2/56

Out: -64.007+/-395.772 χ^2/NDF:78.4/63

All: 16.780+/-310.657 χ^2/NDF: 131.8/120

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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

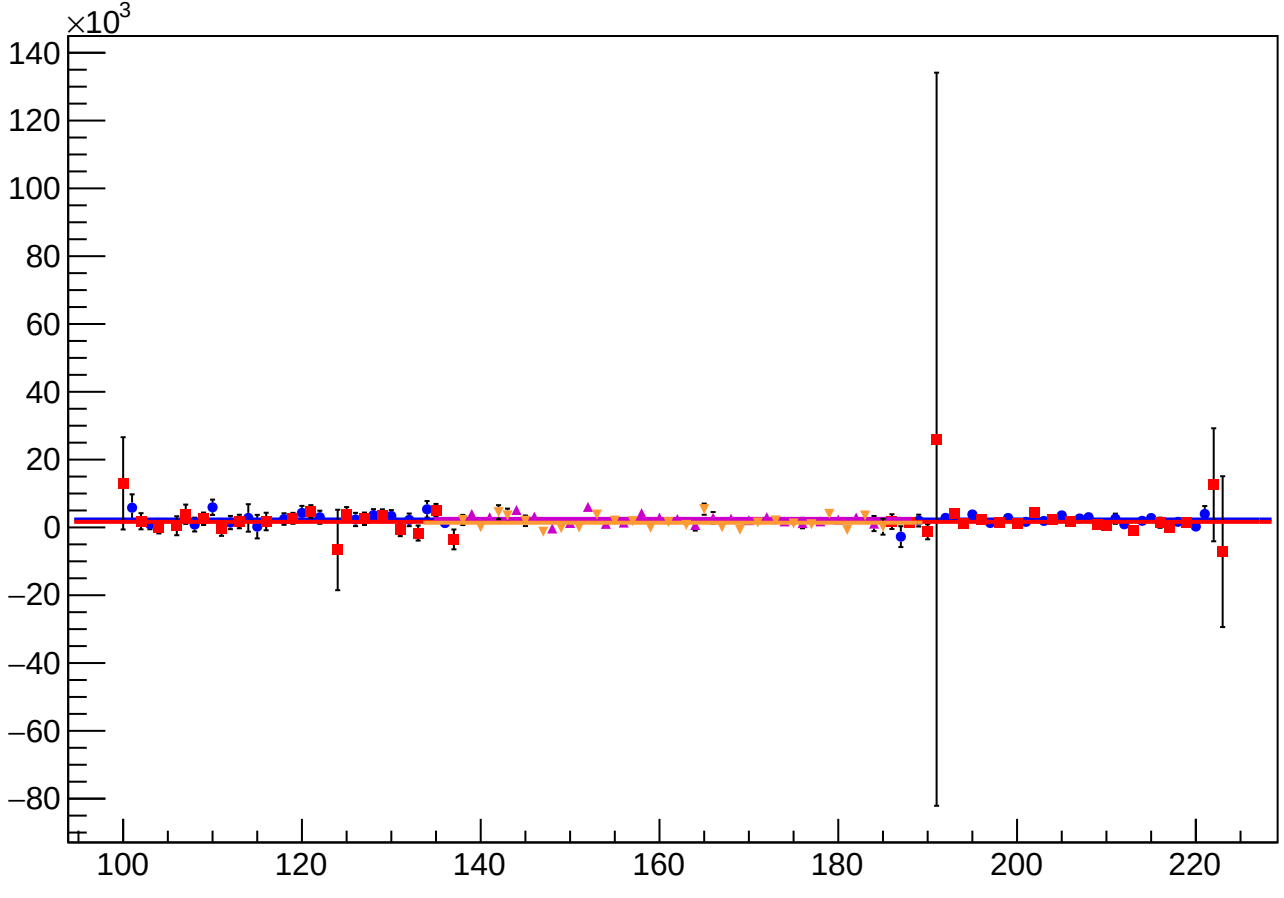
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 1408.462+/-0.240 χ^2/NDF: 53134641.2/72

In: 2301.184+/-0.355 χ^2/NDF:37369831.1/56

Out: 1686.132+/-0.280 χ^2/NDF:46426461.2/63

All: 1922.233+/-0.220 χ^2/NDF: 85650454.0/1



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

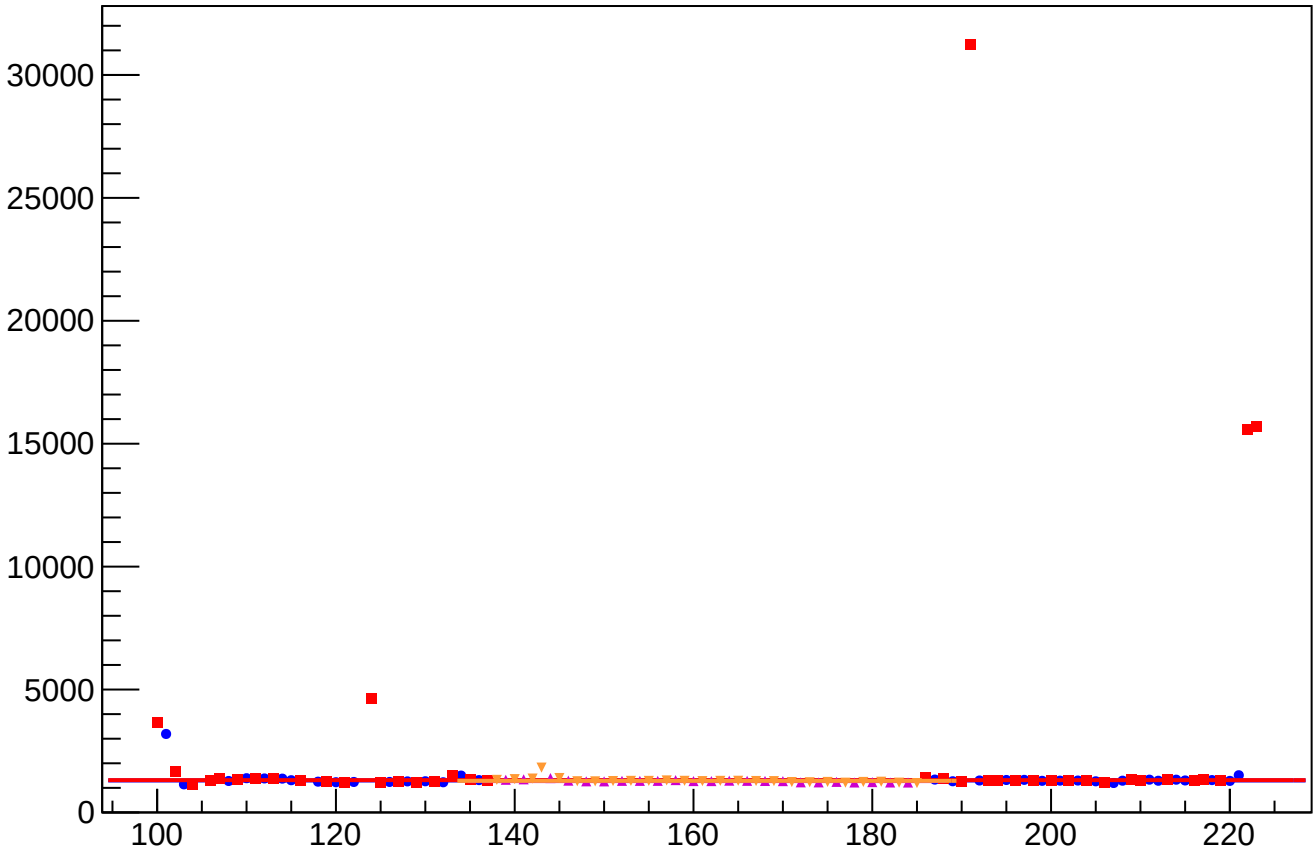
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 1994.792+/-201.131 χ^2/NDF: 57.5/72

In: 2423.952+/-205.119 χ^2/NDF:42.1/56

Out: 1515.895+/-204.673 χ^2/NDF:68.3/63

All: 1968.936+/-144.883 χ^2/NDF: 120.3/120



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

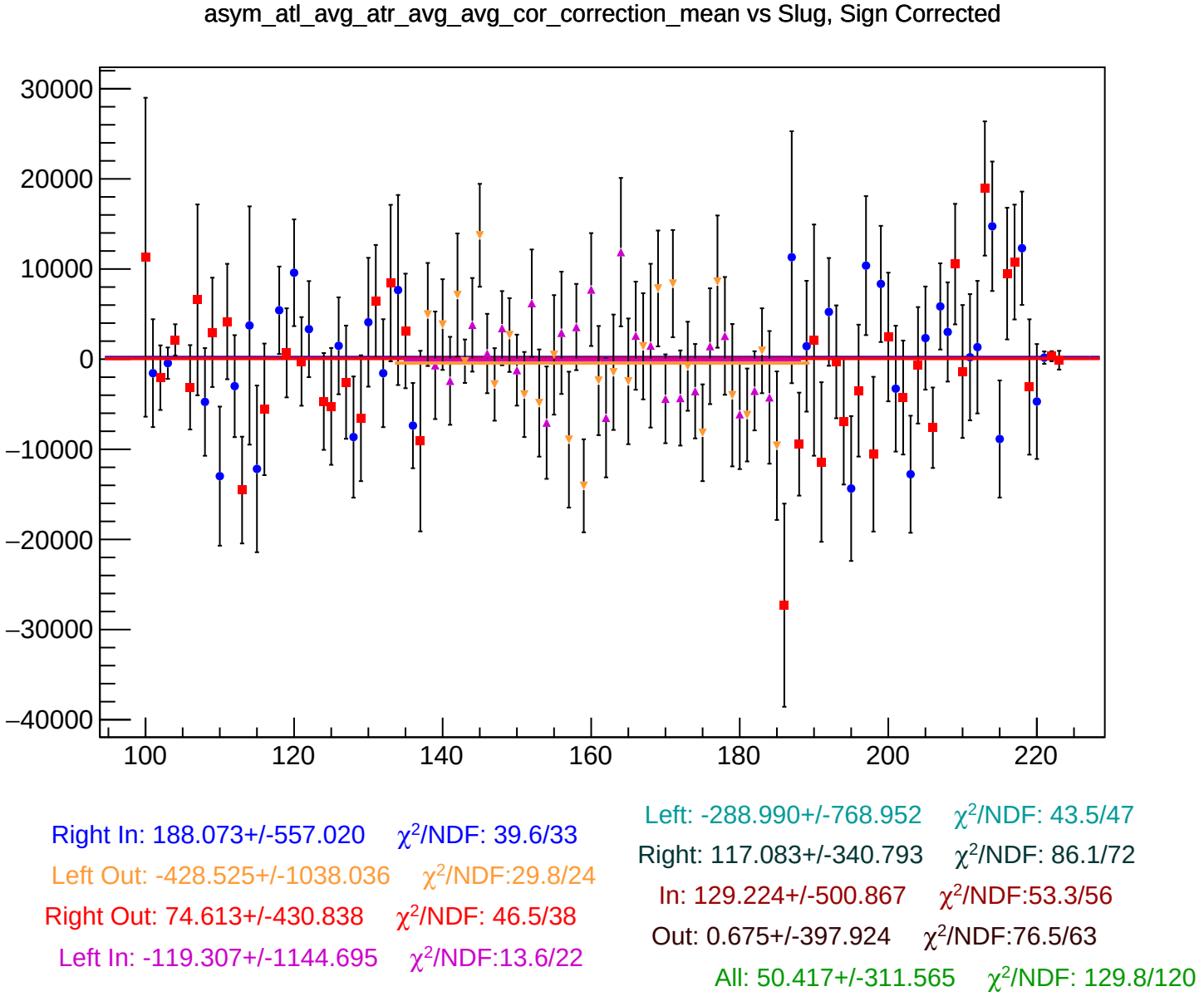
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1307.956+/-0.142 χ^2/NDF: 3365715.4/72

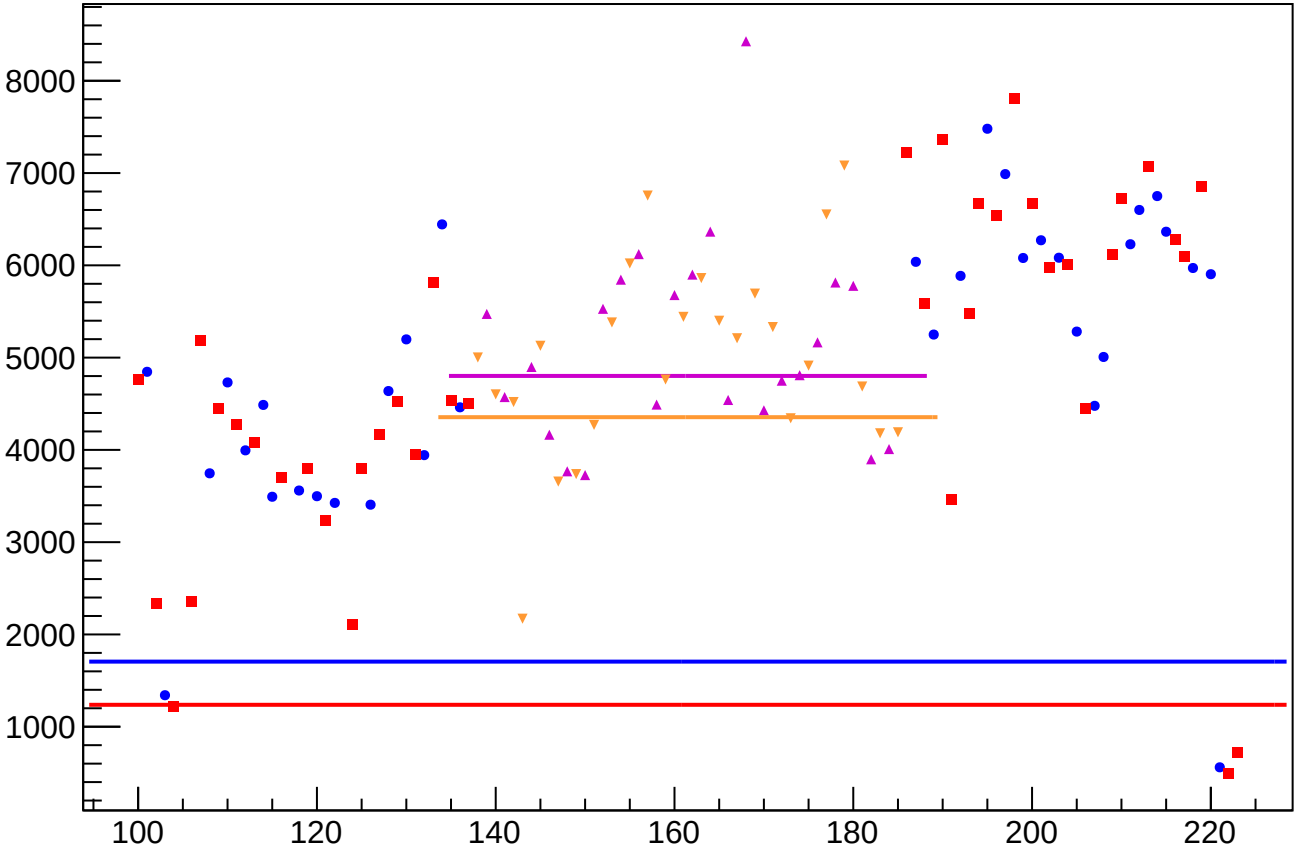
In: 1289.329+/-0.145 χ^2/NDF:601373.7/56

Out: 1300.512+/-0.145 χ^2/NDF:3012307.7/63

All: 1294.935+/-0.102 χ^2/NDF: 3616660.9/12


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
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
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: 117.083+/-340.793 χ²/NDF: 86.1/72
In: 129.224+/-500.867 χ²/NDF:53.3/56
Out: 0.675+/-397.924 χ²/NDF:76.5/63
All: 50.417+/-311.565 χ²/NDF: 129.8/120

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



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

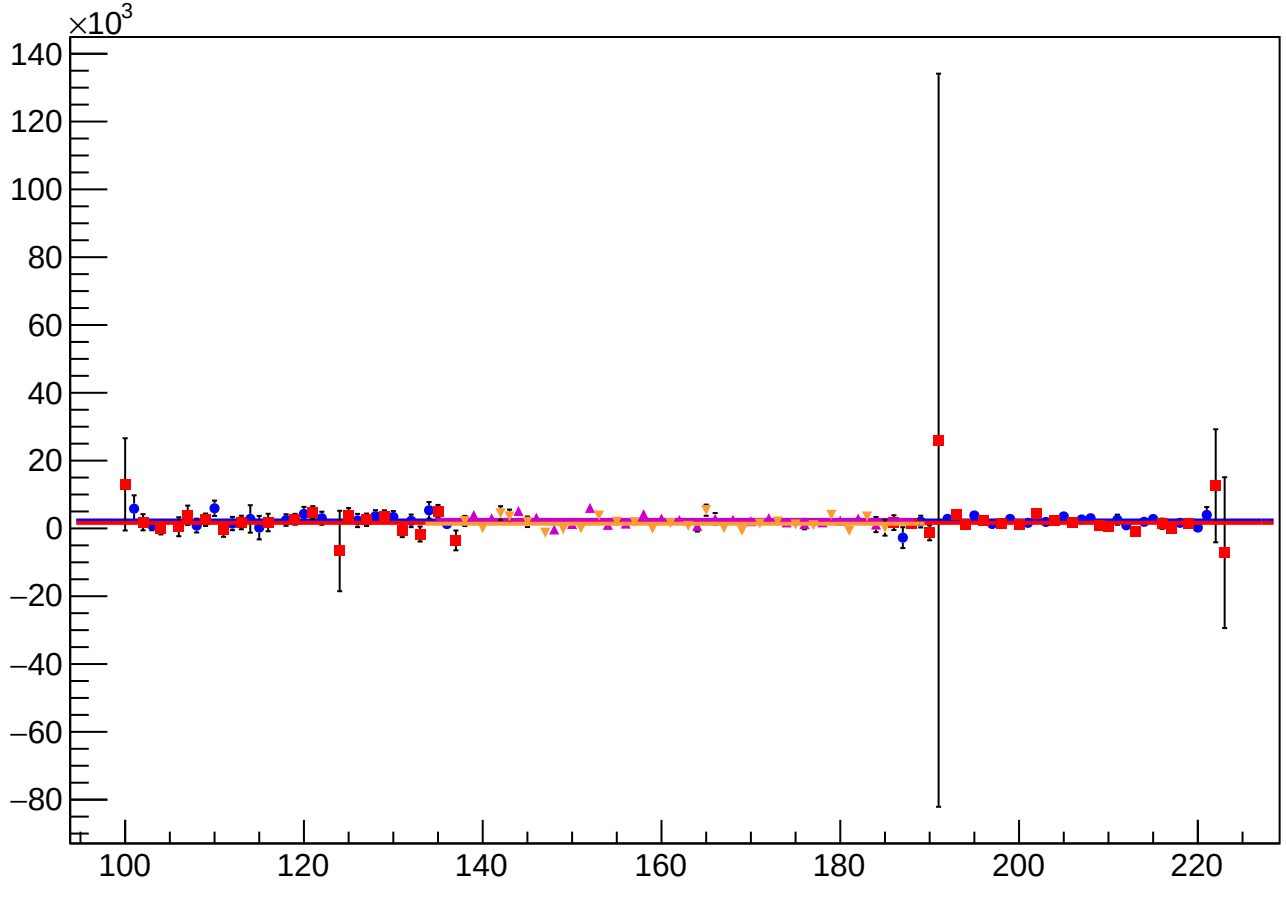
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 1412.734+/-0.241 χ^2/NDF: 53202844.8/72

In: 2298.298+/-0.354 χ^2/NDF:37387679.3/56

Out: 1695.598+/-0.281 χ^2/NDF:46447602.1/63

All: 1928.812+/-0.220 χ^2/NDF: 85610632.2/1



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

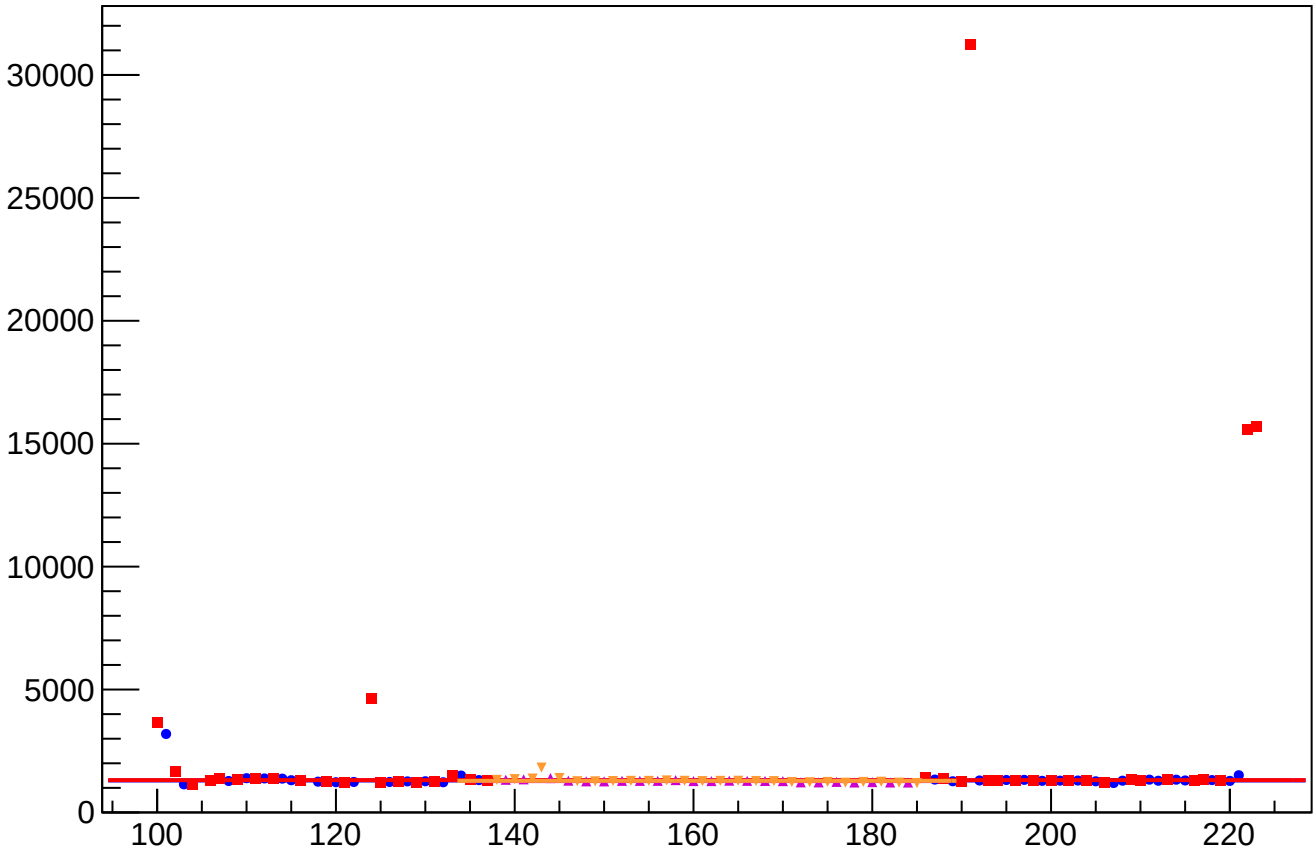
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 1994.792+/-201.131 χ^2/NDF: 57.5/72

In: 2423.952+/-205.119 χ^2/NDF:42.1/56

Out: 1515.895+/-204.673 χ^2/NDF:68.3/63

All: 1968.936+/-144.883 χ^2/NDF: 120.3/120



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

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

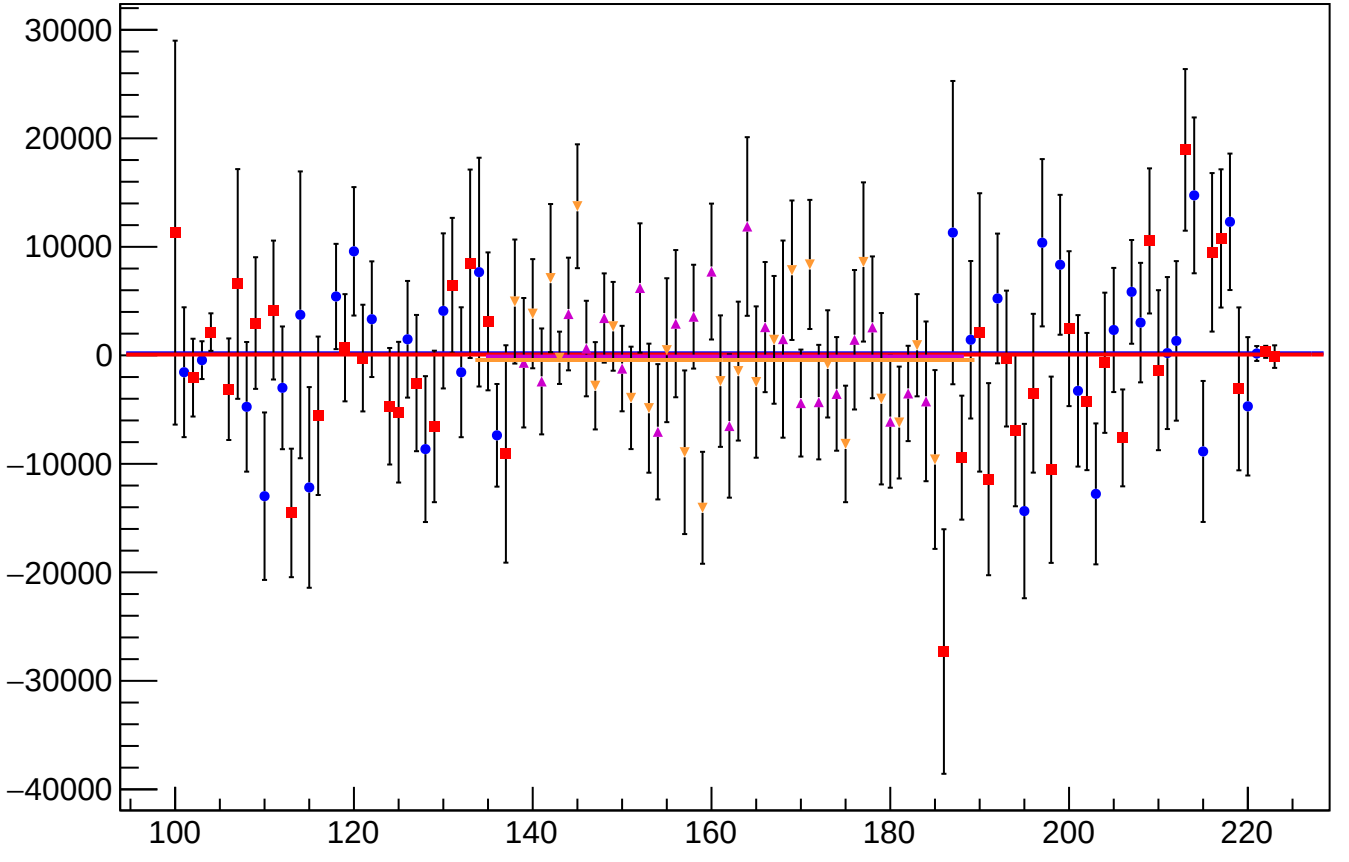
Right: 1307.956+/-0.142 χ^2/NDF: 3365715.4/72

In: 1289.329+/-0.145 χ^2/NDF:601373.7/56

Out: 1300.512+/-0.145 χ^2/NDF:3012307.7/63

All: 1294.935+/-0.102 χ^2/NDF: 3616660.9/12

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

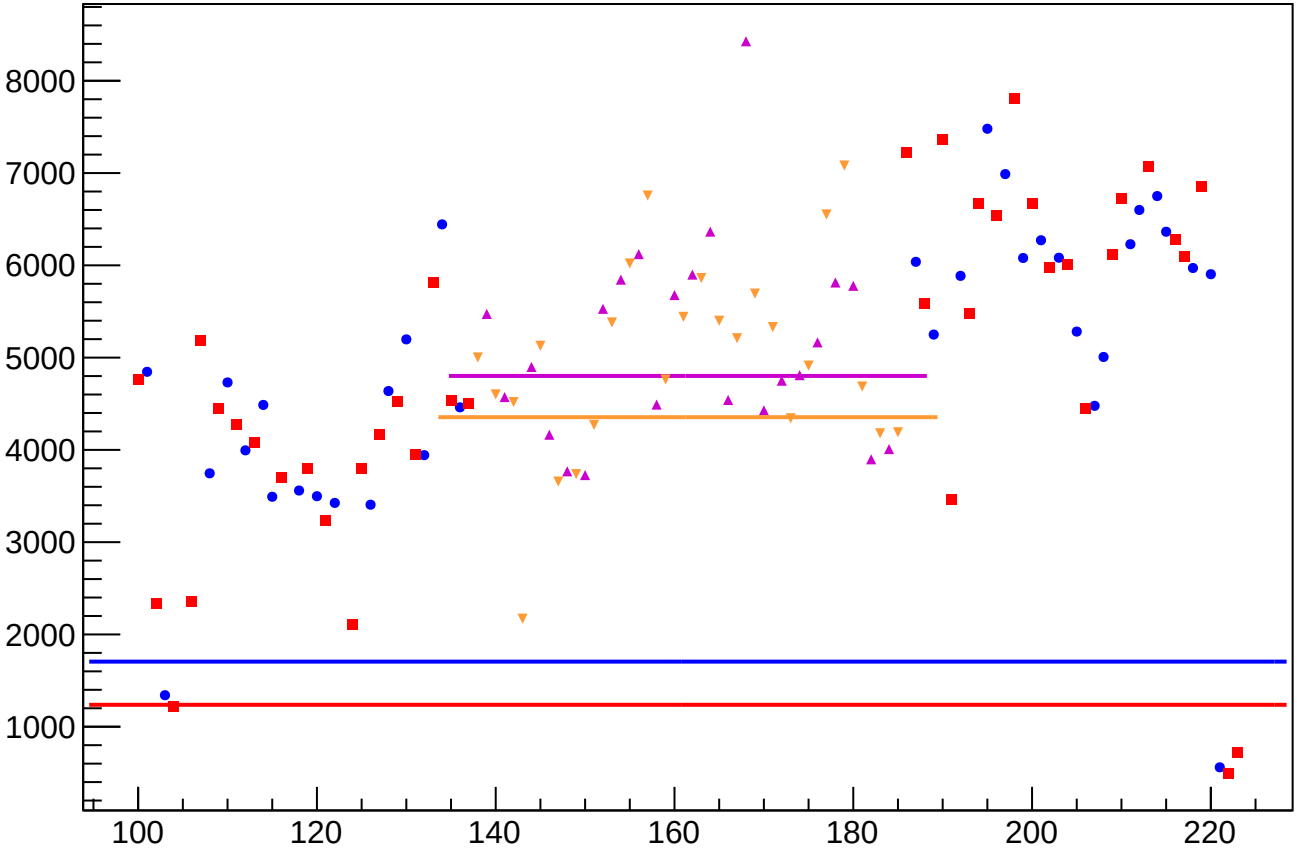
Right: 117.083+/-340.793 χ^2/NDF: 86.1/72

In: 129.224+/-500.867 χ^2/NDF:53.3/56

Out: 0.675+/-397.924 χ^2/NDF:76.5/63

All: 50.417+/-311.565 χ^2/NDF: 129.8/120

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

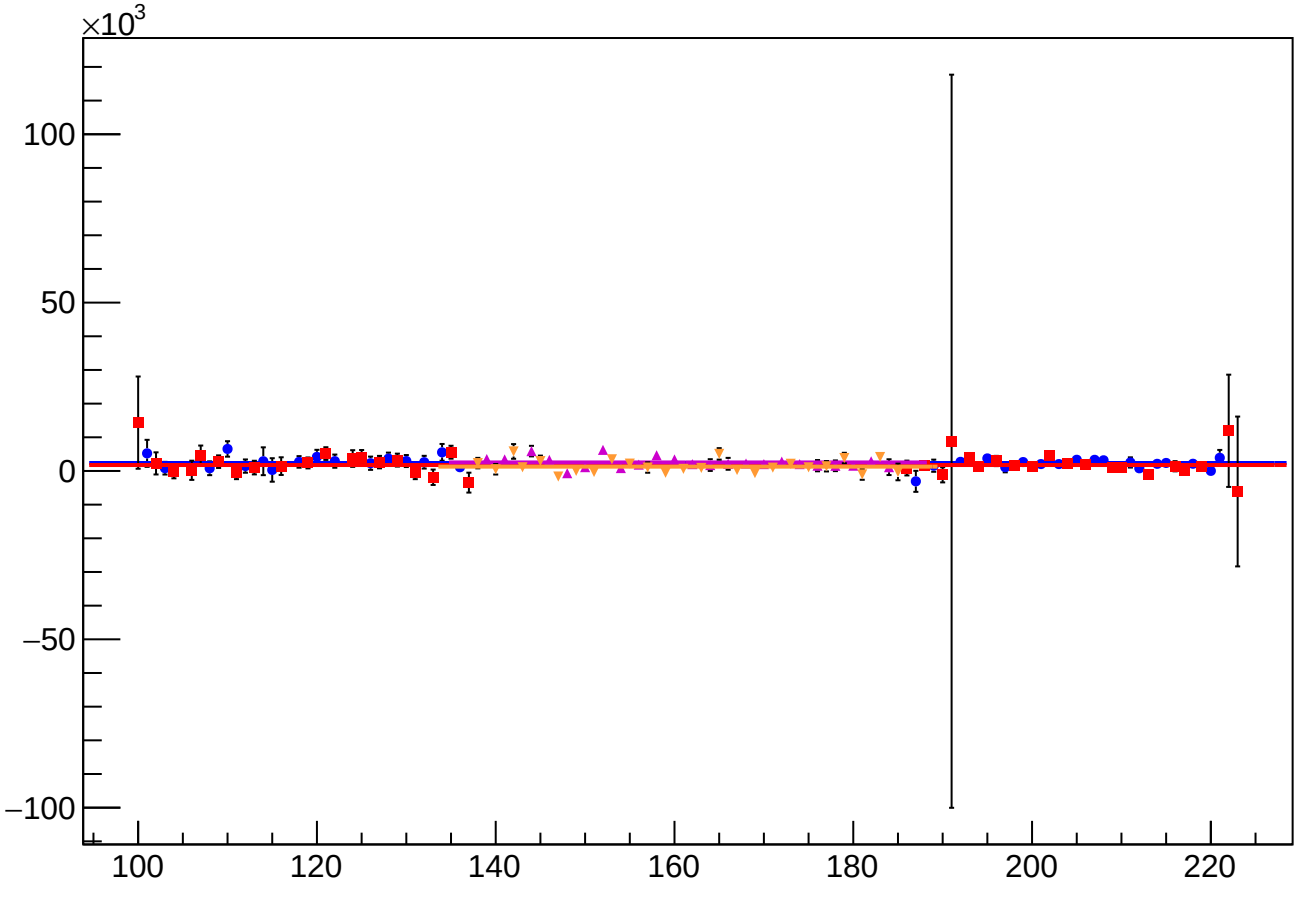
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 1412.734+/-0.241 χ^2/NDF: 53202844.8/72

In: 2298.298+/-0.354 χ^2/NDF:37387679.3/56

Out: 1695.598+/-0.281 χ^2/NDF:46447602.1/63

All: 1928.812+/-0.220 χ^2/NDF: 85610632.2/



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

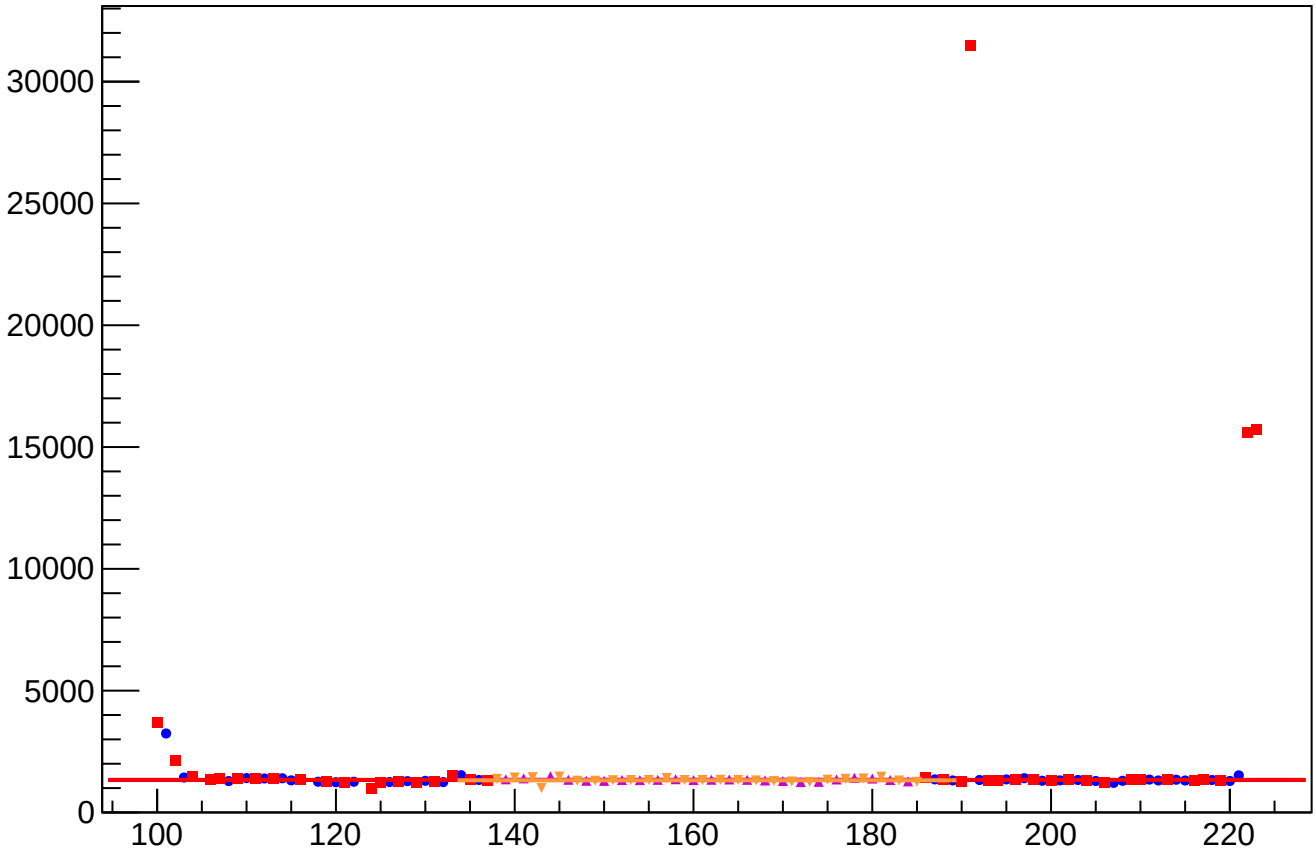
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2067.493+/-205.359 χ^2/NDF: 59.1/72

In: 2441.647+/-212.338 χ^2/NDF:45.6/56

Out: 1531.734+/-209.336 χ^2/NDF:71.3/63

All: 1980.213+/-149.073 χ^2/NDF: 126.1/120



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

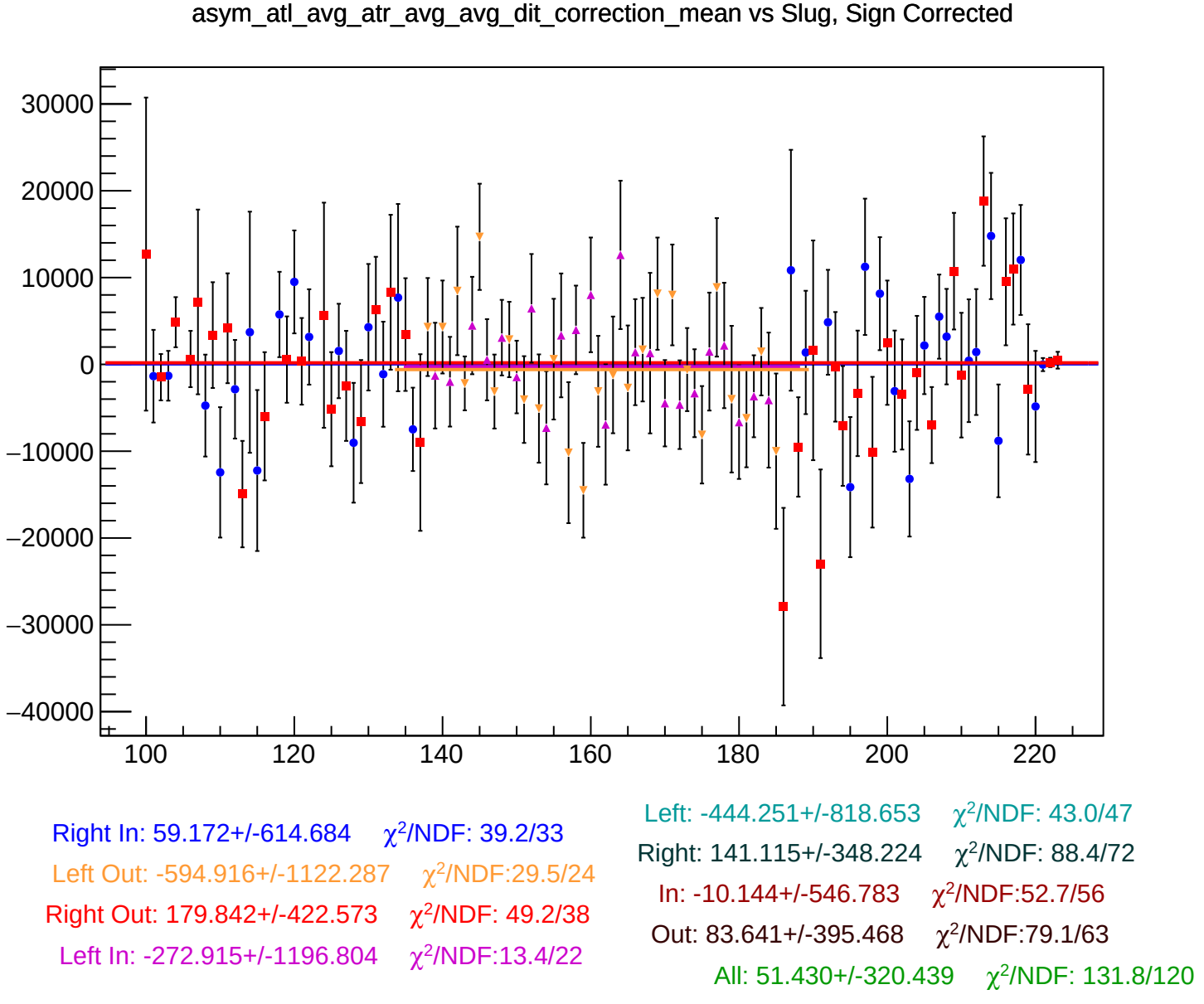
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1334.671+/-0.145 χ^2/NDF: 3285990.5/72

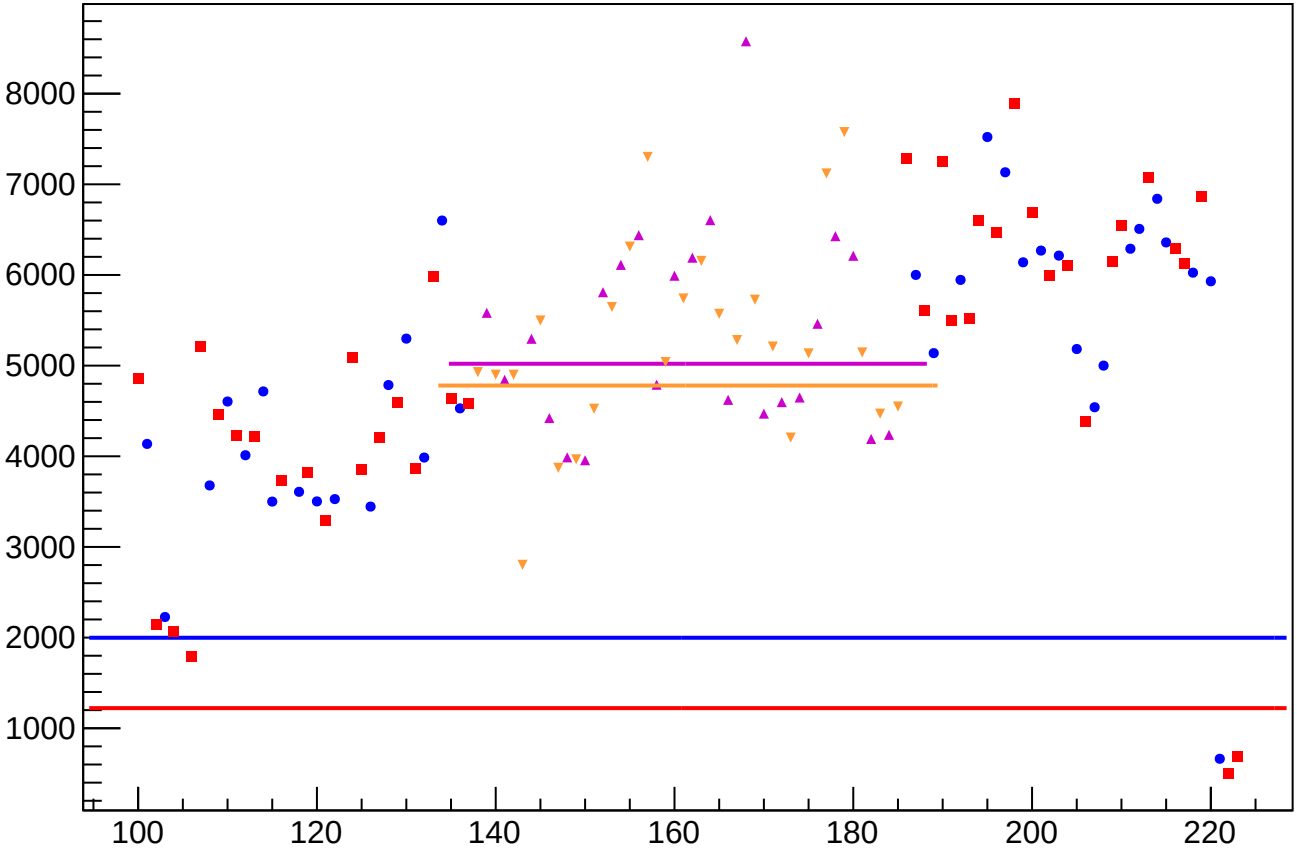
In: 1334.413+/-0.150 χ^2/NDF:593286.0/56

Out: 1328.679+/-0.148 χ^2/NDF:3000200.9/63

All: 1331.505+/-0.105 χ^2/NDF: 3594226.5/12


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 59.172+/-614.684 χ²/NDF: 39.2/33
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: 179.842+/-422.573 χ²/NDF: 49.2/38
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: 141.115+/-348.224 χ²/NDF: 88.4/72
In: -10.144+/-546.783 χ²/NDF:52.7/56
Out: 83.641+/-395.468 χ²/NDF:79.1/63
All: 51.430+/-320.439 χ²/NDF: 131.8/120

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



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

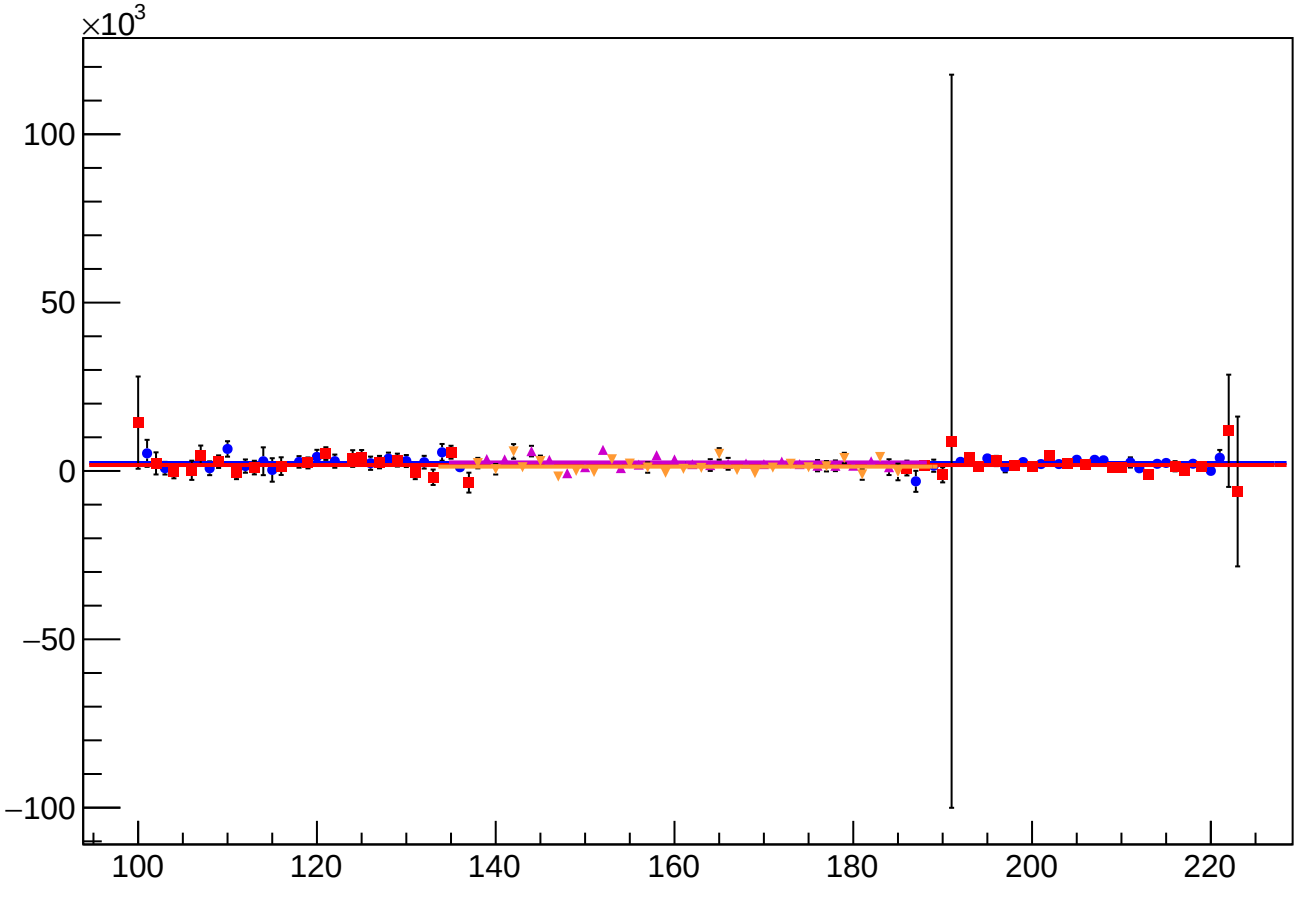
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 1471.200+/-0.246 χ^2/NDF: 53051580.7/72

In: 2629.126+/-0.387 χ^2/NDF:33406828.6/56

Out: 1663.928+/-0.280 χ^2/NDF:48411152.8/63

All: 1995.424+/-0.227 χ^2/NDF: 85909665.7/1



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

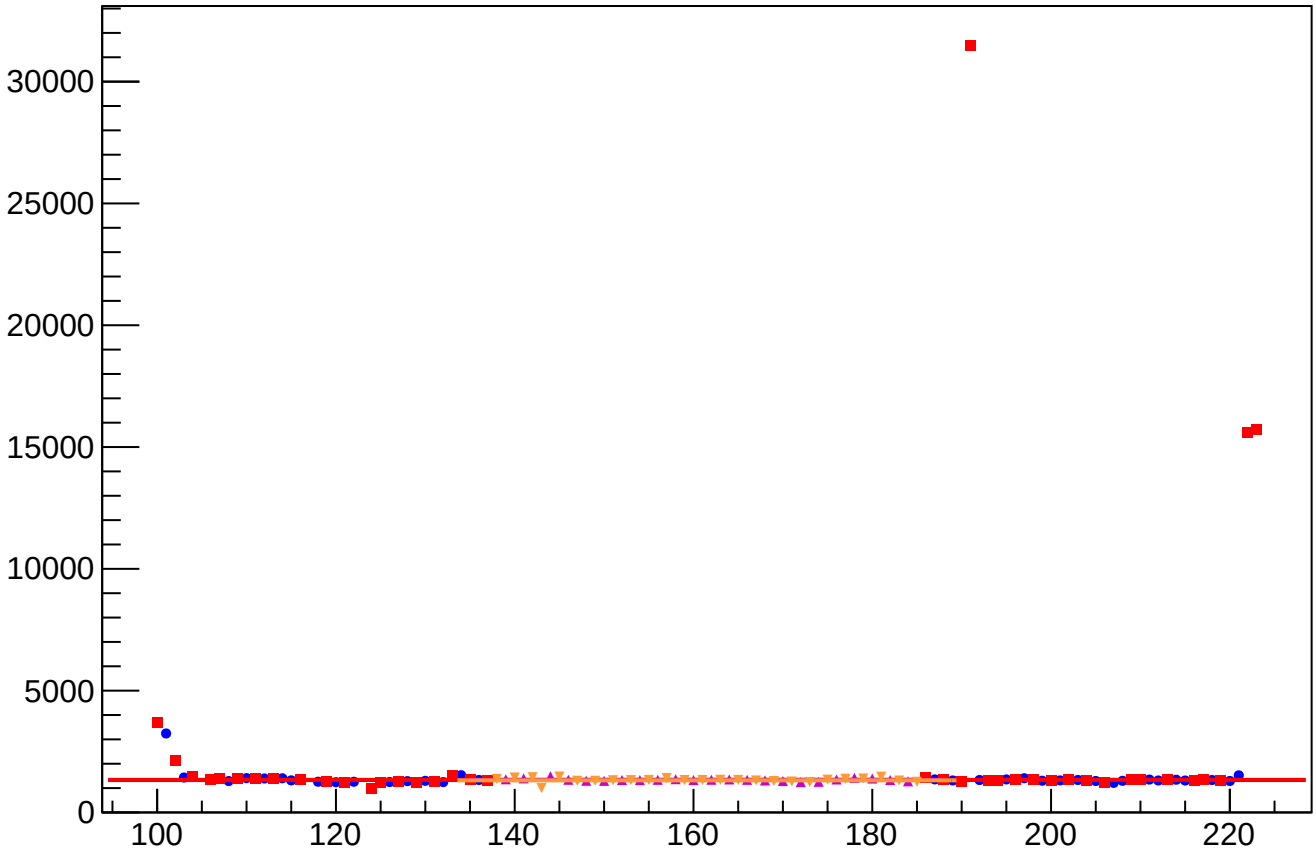
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2067.490+/-205.359 χ^2/NDF: 59.1/72

In: 2441.645+/-212.338 χ^2/NDF:45.6/56

Out: 1531.731+/-209.336 χ^2/NDF:71.3/63

All: 1980.211+/-149.073 χ^2/NDF: 126.1/120



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

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

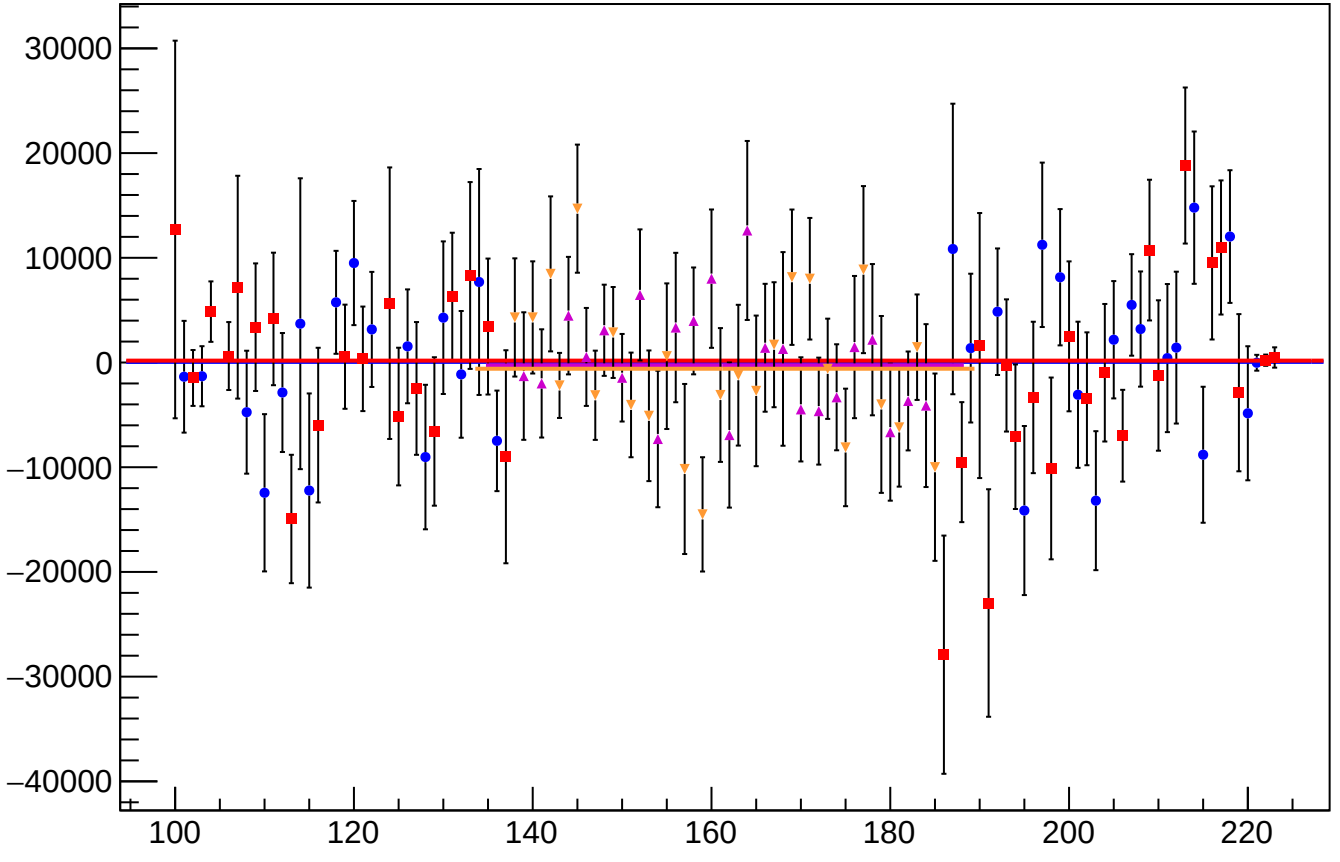
Right: 1334.671+/-0.145 χ^2/NDF: 3285989.7/72

In: 1334.413+/-0.150 χ^2/NDF:593289.0/56

Out: 1328.680+/-0.148 χ^2/NDF:3000201.8/63

All: 1331.505+/-0.105 χ^2/NDF: 3594230.3/12

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 59.175+/-614.685 χ^2/NDF: 39.2/33

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: 179.844+/-422.573 χ^2/NDF: 49.2/38

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

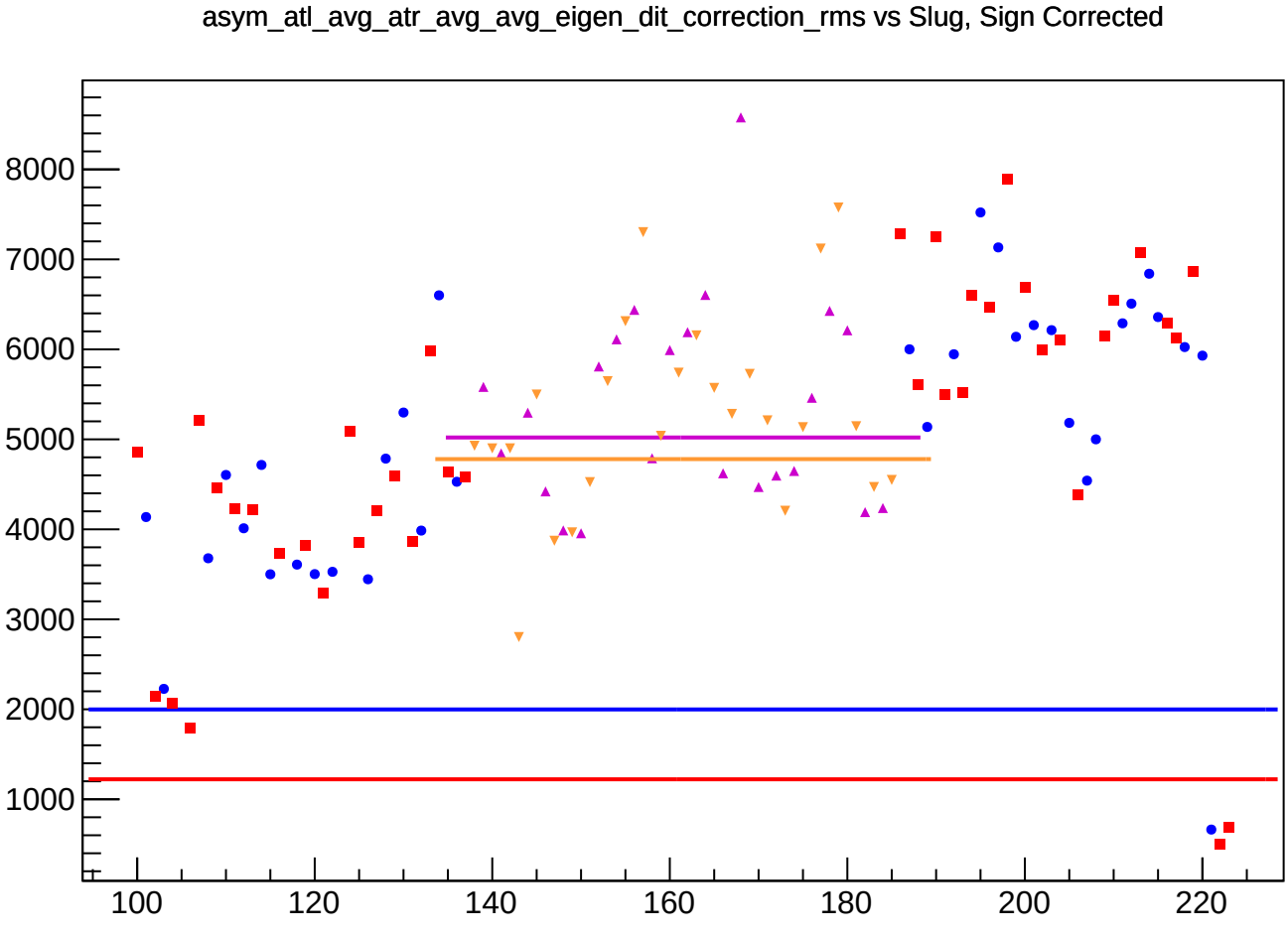
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: 141.118+/-348.224 χ^2/NDF: 88.4/72

In: -10.142+/-546.783 χ^2/NDF:52.7/56

Out: 83.642+/-395.468 χ^2/NDF:79.1/63

All: 51.432+/-320.440 χ^2/NDF: 131.8/120



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

Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

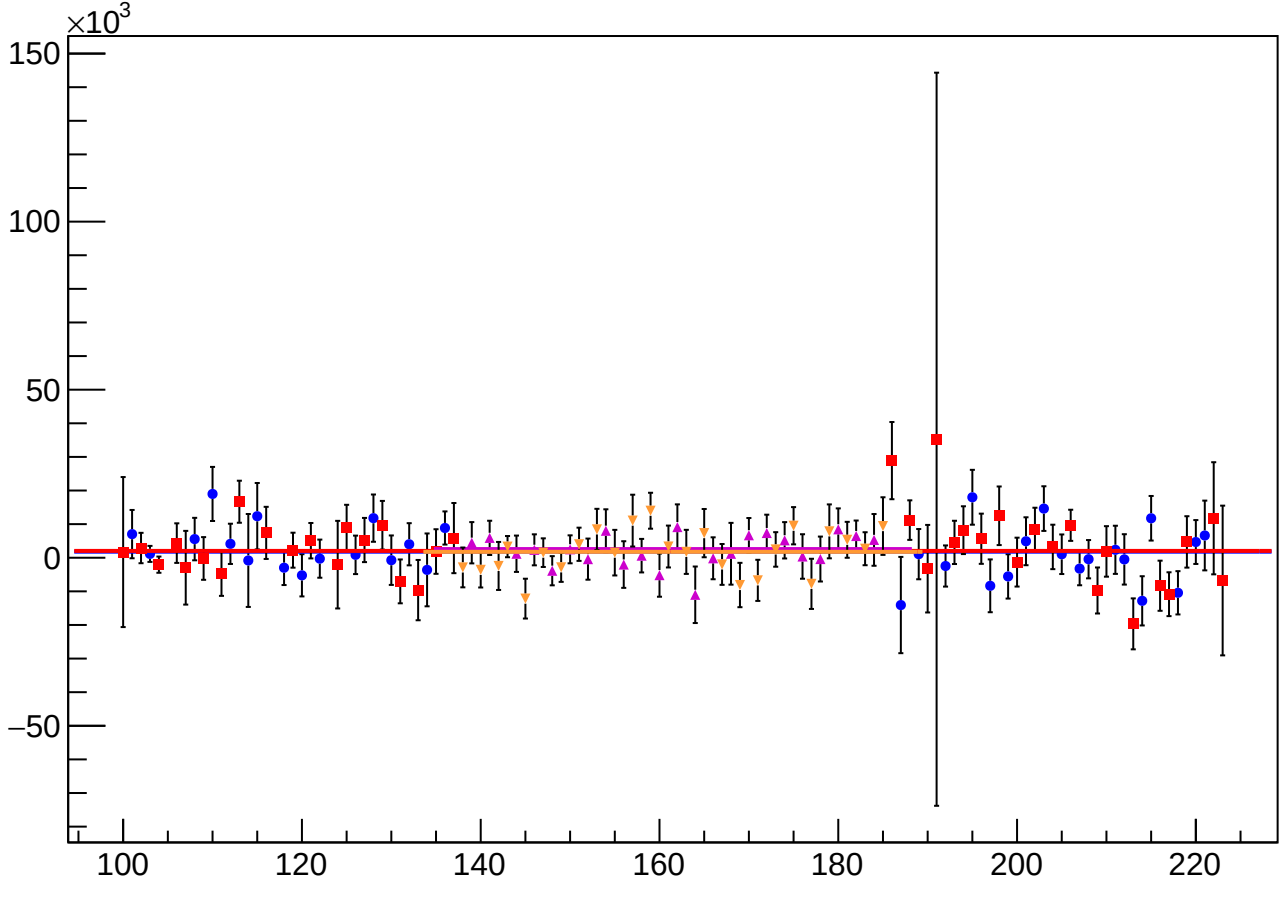
Right: 1471.203+/-0.246 χ^2/NDF: 53051522.3/72

In: 2629.129+/-0.387 χ^2/NDF:33406812.5/56

Out: 1663.930+/-0.280 χ^2/NDF:48411117.8/63

All: 1995.427+/-0.227 χ^2/NDF: 85909607.7/1

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

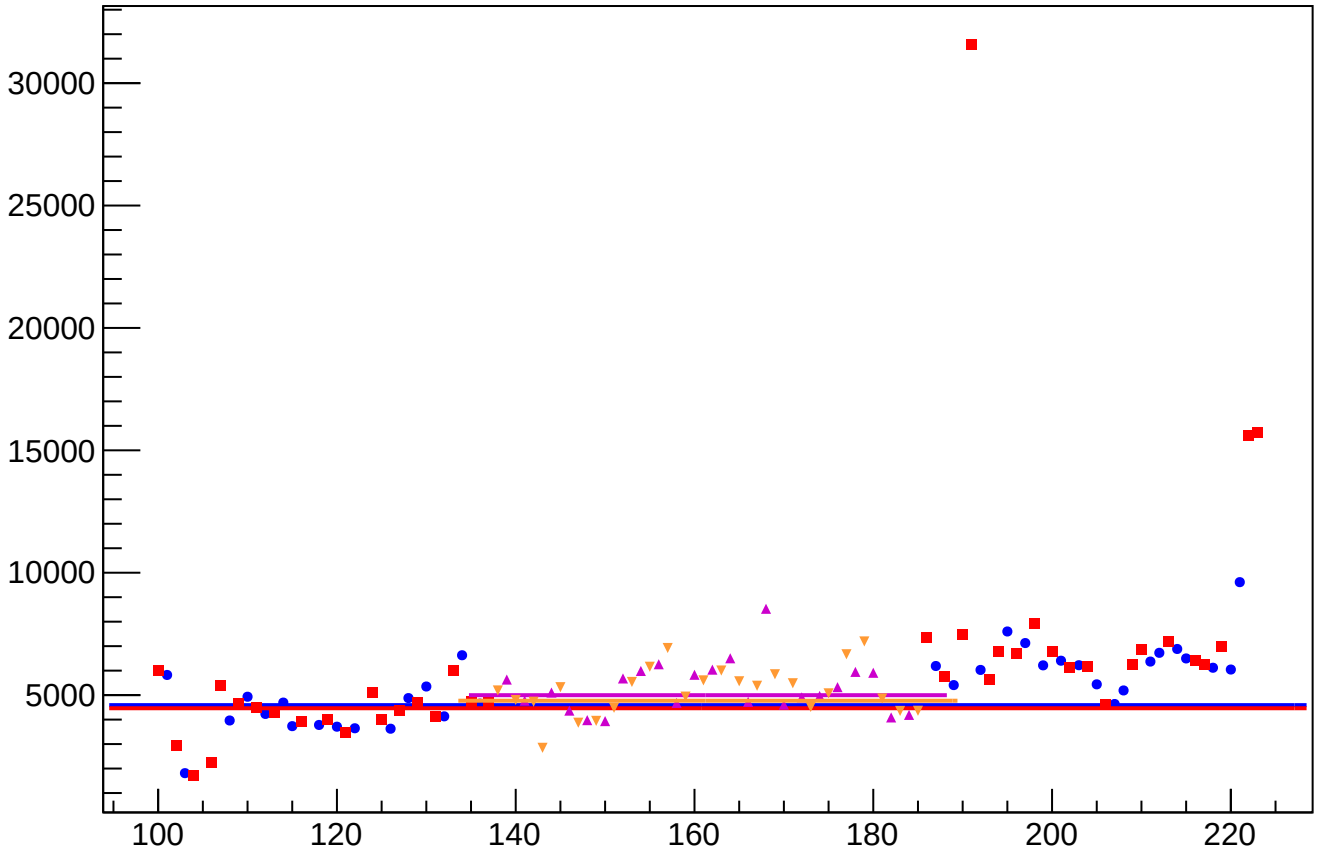
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 1921.542+/-743.316 χ^2/NDF: 86.9/72

In: 2149.309+/-788.592 χ^2/NDF:51.2/56

Out: 1904.962+/-764.171 χ^2/NDF:76.9/63

All: 2023.294+/-548.781 χ^2/NDF: 128.1/120



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

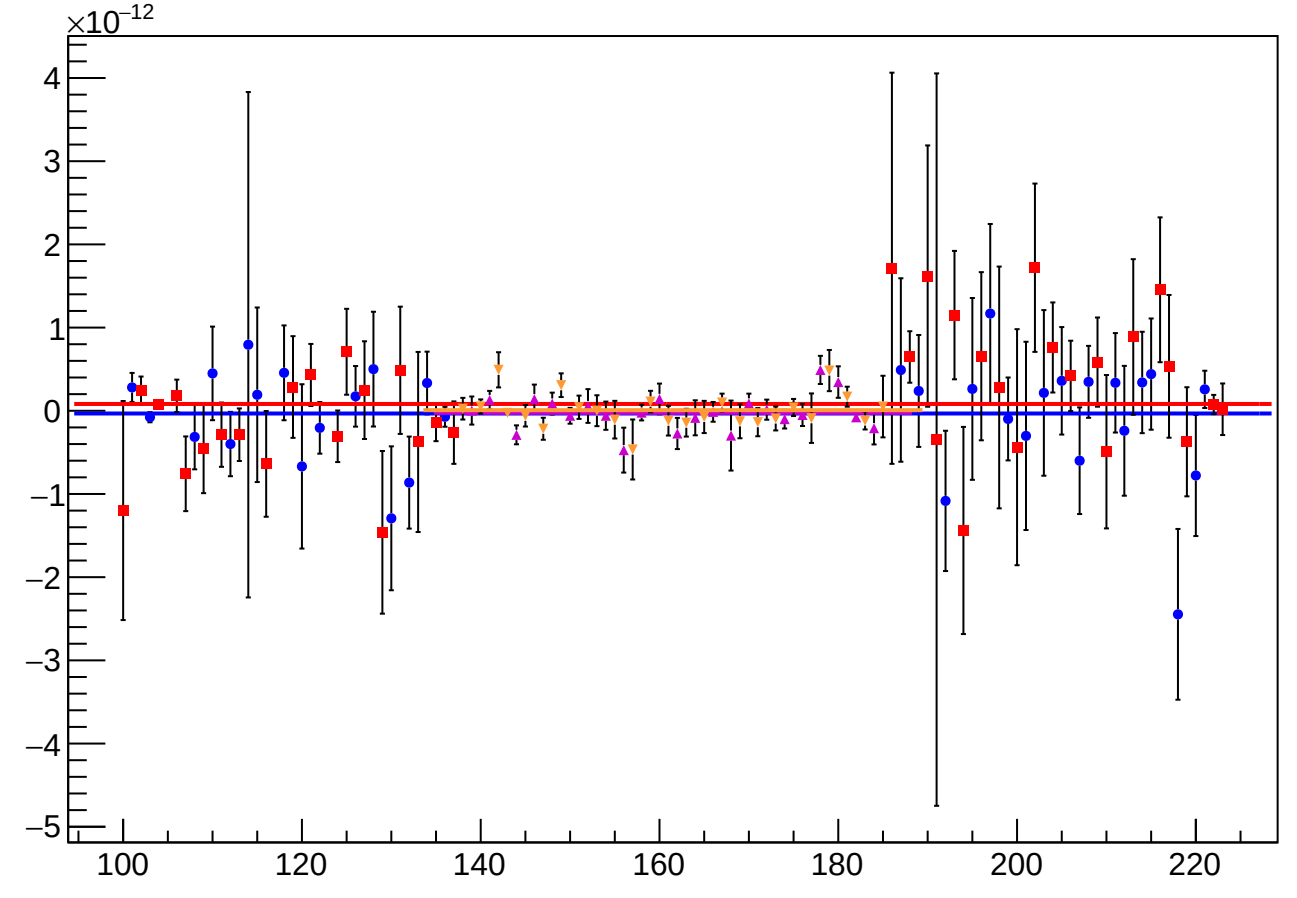
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

Right: 4526.088+/-0.523 χ^2/NDF: 13241632.9/72

In: 4769.486+/-0.558 χ^2/NDF:6766396.0/56

Out: 4606.250+/-0.538 χ^2/NDF:9555522.3/63

All: 4684.932+/-0.387 χ^2/NDF: 16366307.6/1



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

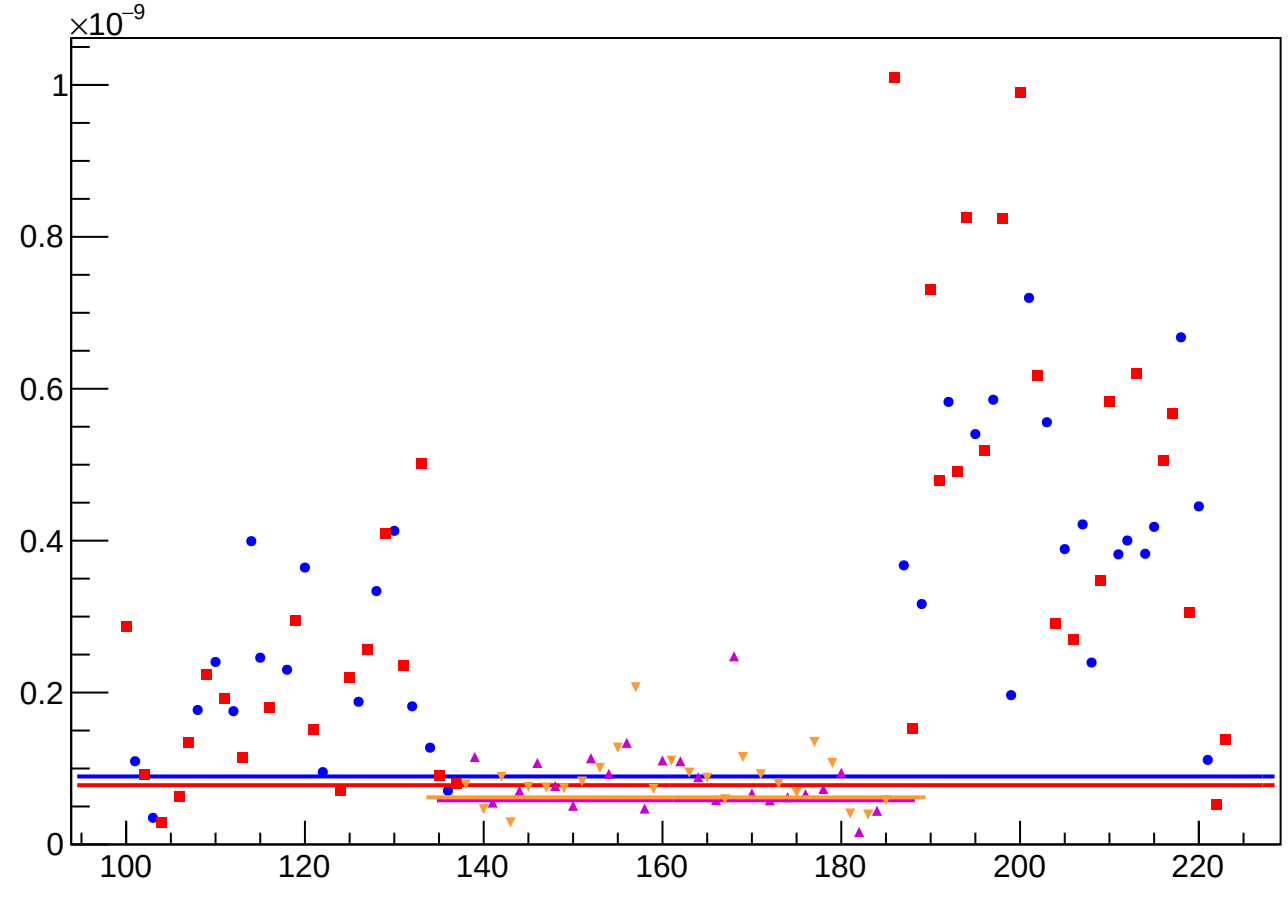
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 70.1/72

In: -0.000+/-0.000 χ^2/NDF:60.5/56

Out: 0.000+/-0.000 χ^2/NDF:67.3/63

All: 0.000+/-0.000 χ^2/NDF: 130.7/120



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

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

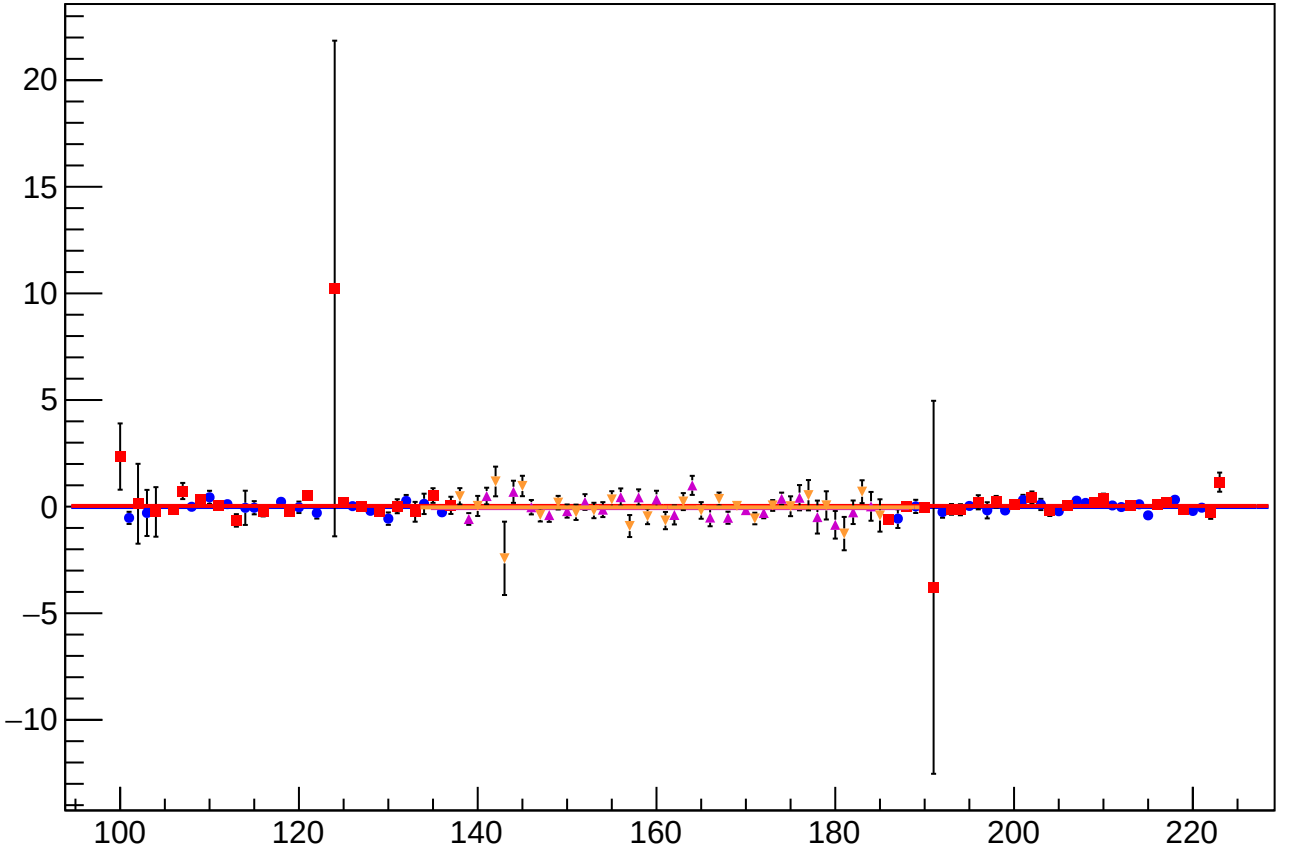
Right: 0.000+/-0.000 χ^2/NDF: 21842605.8/72

In: 0.000+/-0.000 χ^2/NDF:13821200.2/56

Out: 0.000+/-0.000 χ^2/NDF:14283409.8/63

All: 0.000+/-0.000 χ^2/NDF: 28105165.4/120

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

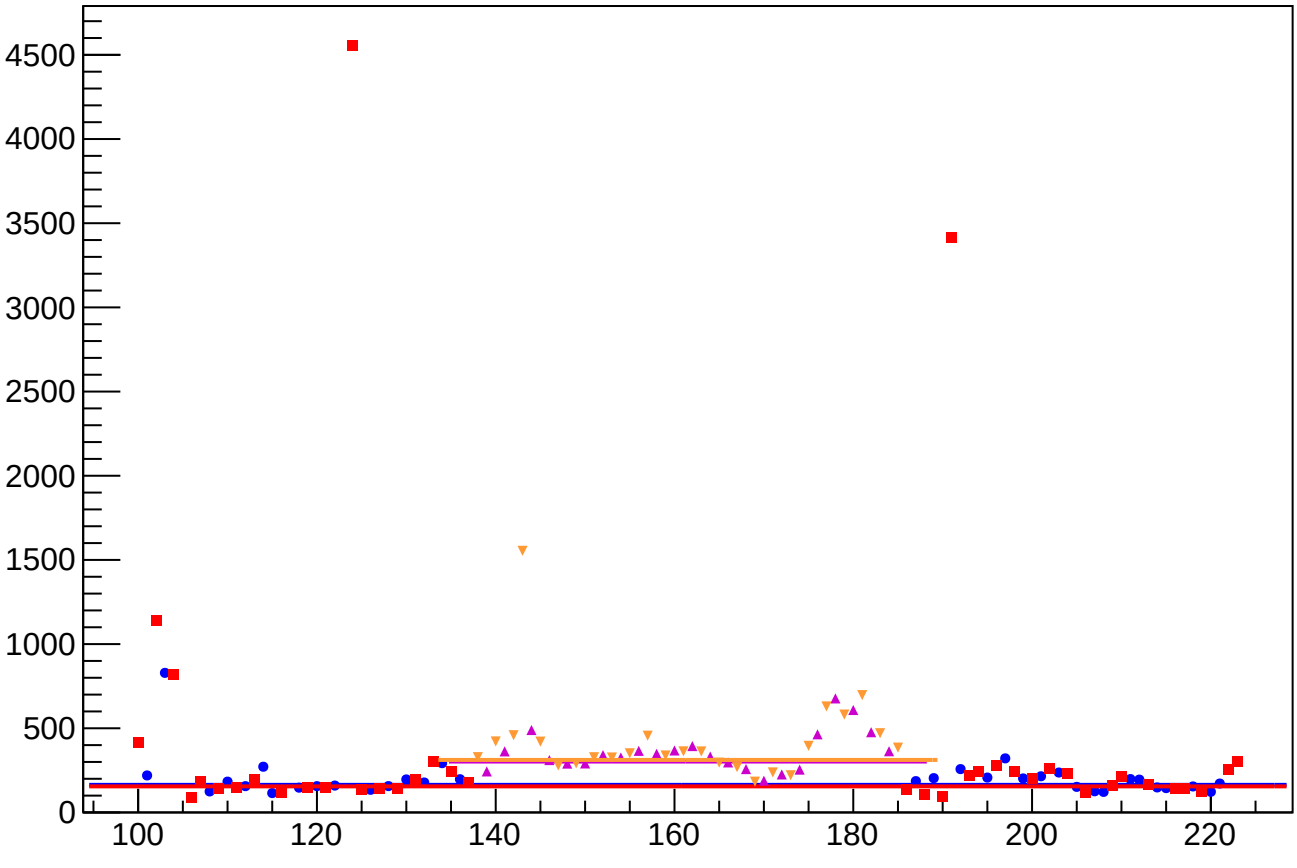
Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

Right: 0.008+/-0.026 χ^2/NDF: 95.0/72

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.021+/-0.033 χ^2/NDF:85.9/63

All: -0.004+/-0.023 χ^2/NDF: 158.6/120



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

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

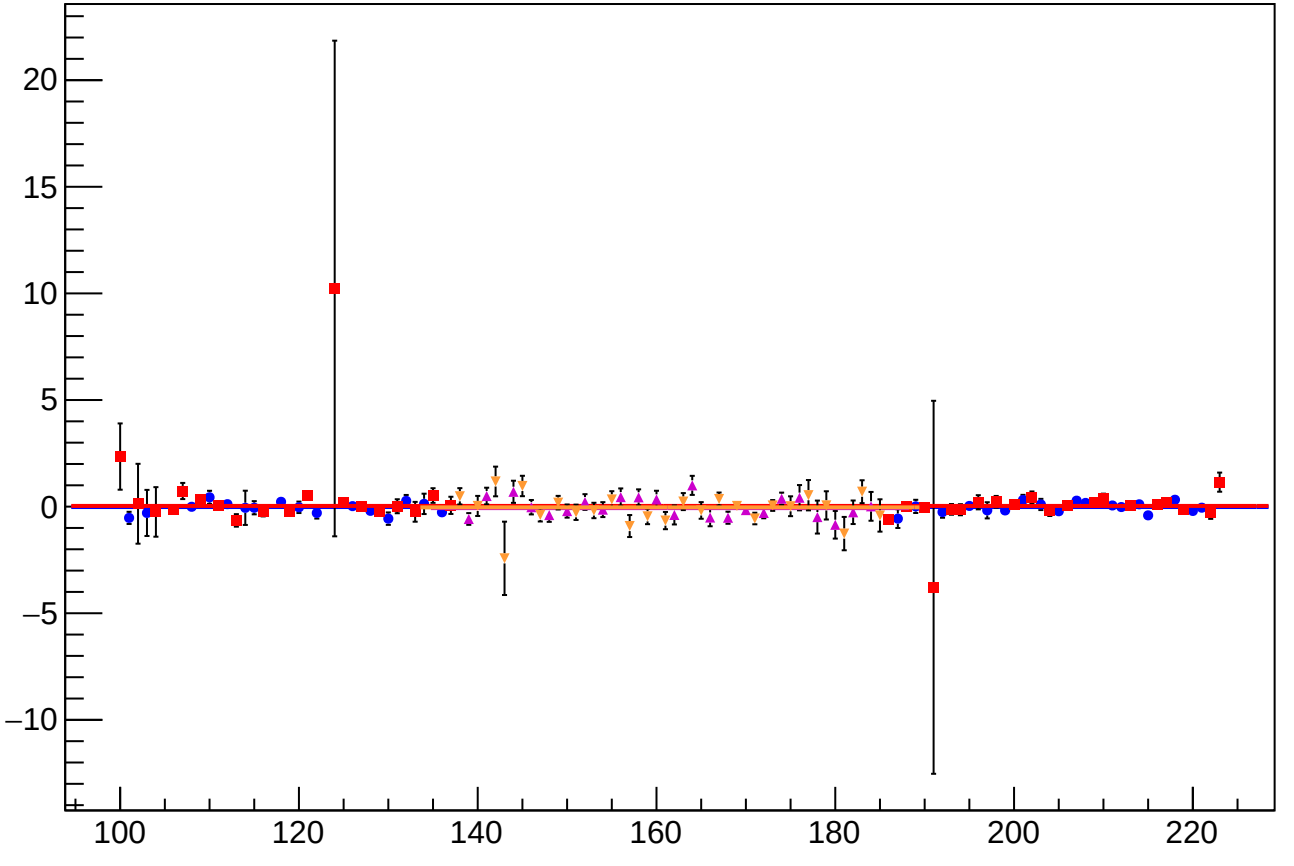
Right: 159.266+/-0.018 χ^2/NDF: 8470243.1/72

In: 191.822+/-0.024 χ^2/NDF:11227638.8/56

Out: 183.708+/-0.023 χ^2/NDF:16651812.8/63

All: 187.664+/-0.017 χ^2/NDF: 27939098.7/12

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

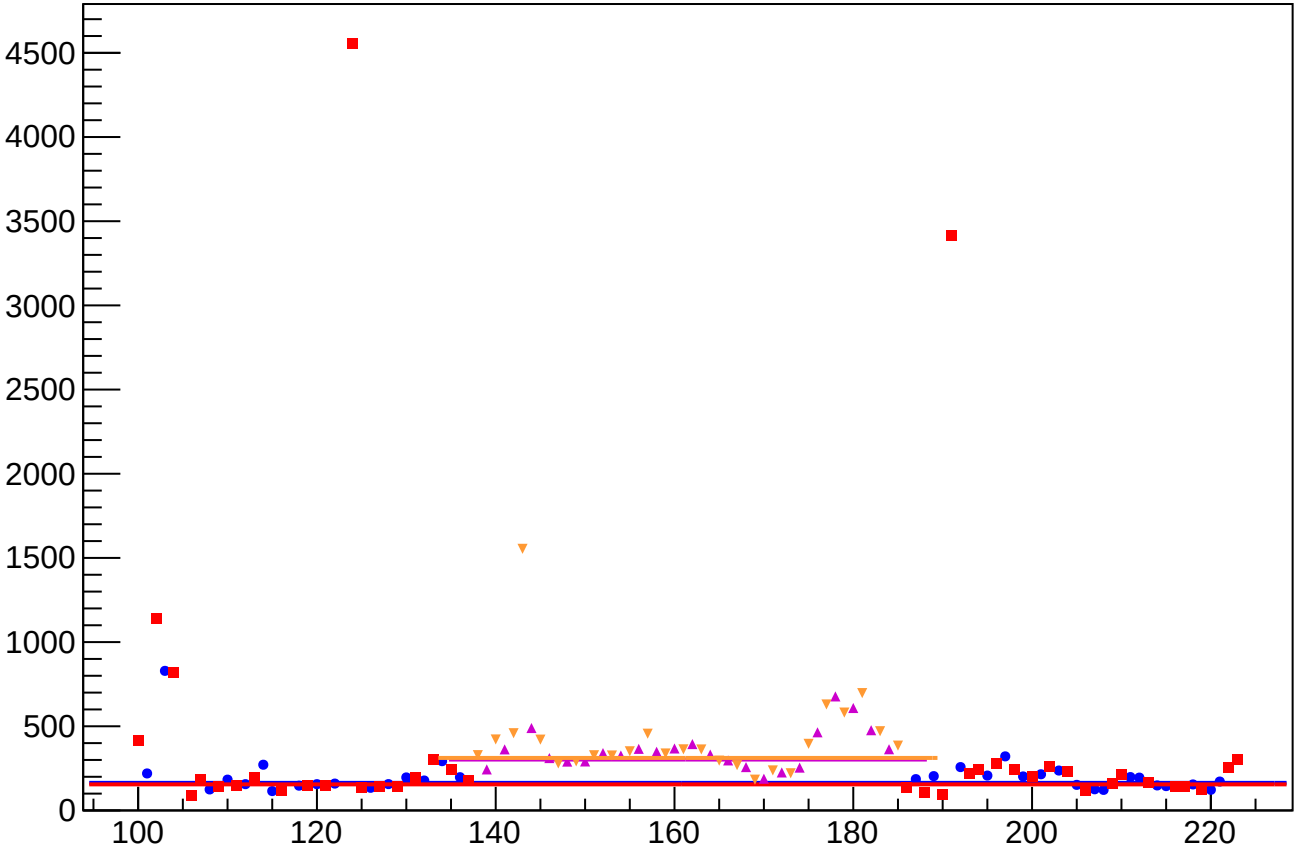
Right: 0.008+/-0.026 χ^2/NDF: 95.0/72

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.021+/-0.033 χ^2/NDF:85.9/63

All: -0.004+/-0.023 χ^2/NDF: 158.6/120

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

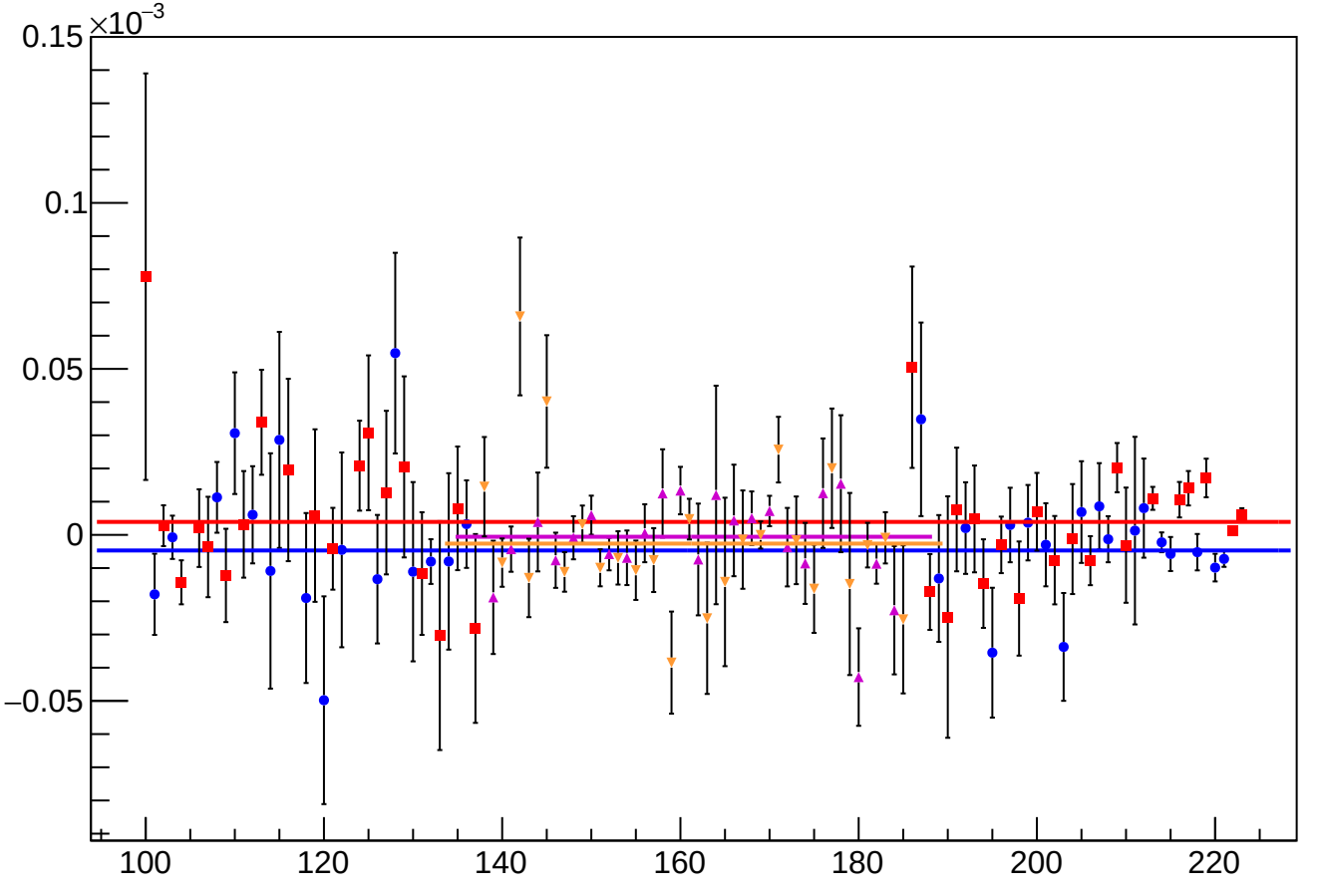
Right: 159.266+/-0.018 χ^2/NDF: 8470243.1/72

In: 191.822+/-0.024 χ^2/NDF:11227638.8/56

Out: 183.708+/-0.023 χ^2/NDF:16651812.8/63

All: 187.664+/-0.017 χ^2/NDF: 27939098.7/12

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

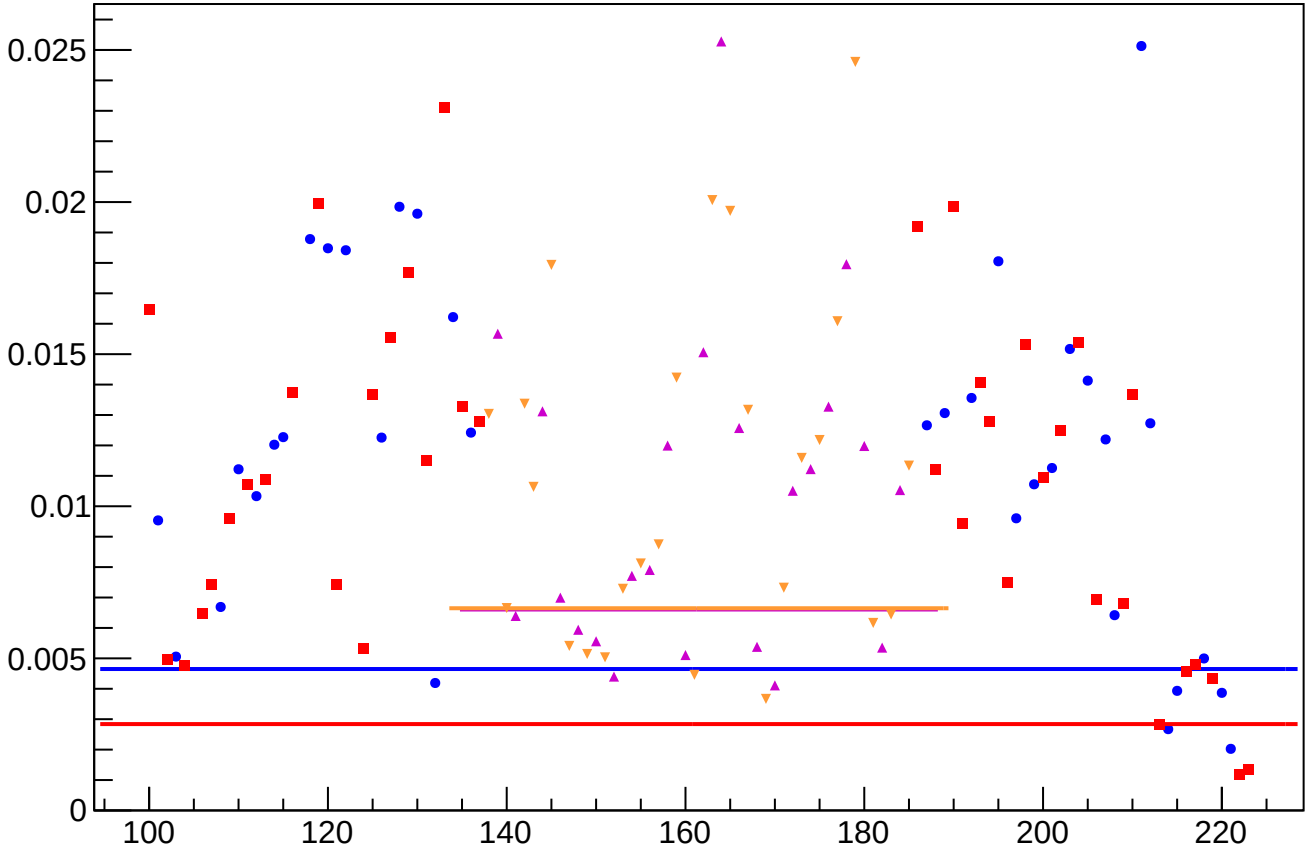
Right: 0.000+/-0.000 χ^2/NDF: 121.1/72

In: -0.000+/-0.000 χ^2/NDF:61.6/56

Out: 0.000+/-0.000 χ^2/NDF:114.4/63

All: 0.000+/-0.000 χ^2/NDF: 194.6/120

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

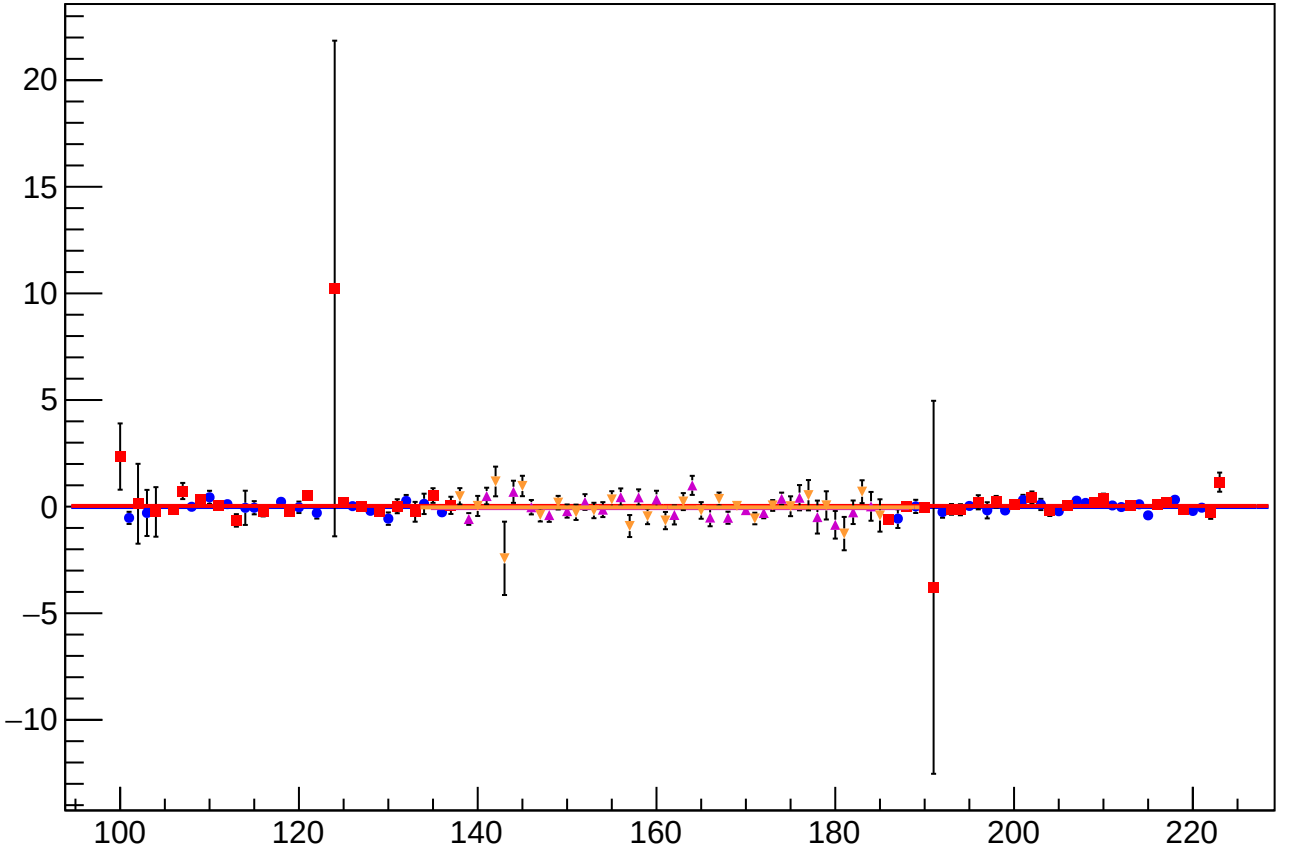
Right: 0.003+/-0.000 χ^2/NDF: 42473237.9/72

In: 0.005+/-0.000 χ^2/NDF:23833420.2/56

Out: 0.004+/-0.000 χ^2/NDF:38551052.3/63

All: 0.004+/-0.000 χ^2/NDF: 65566416.9/120

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

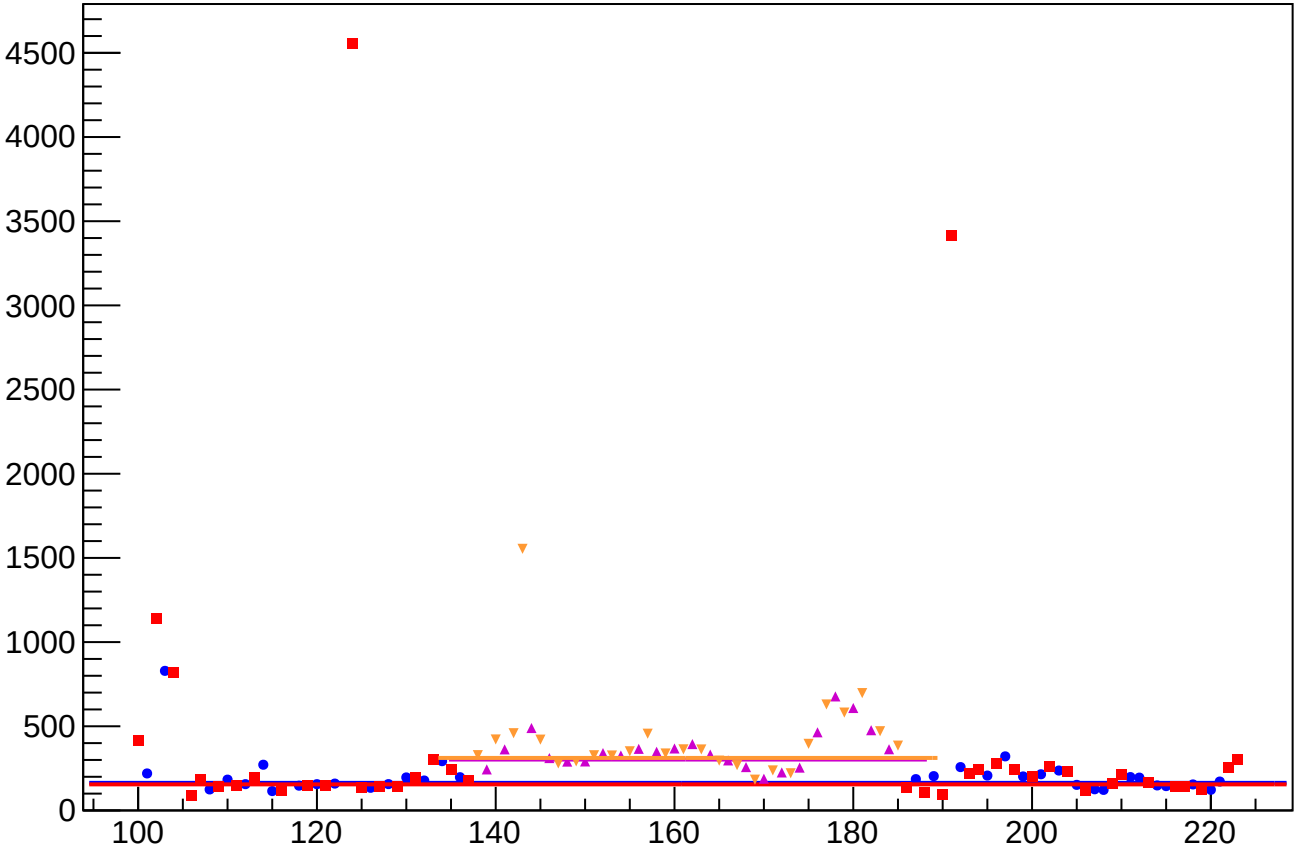
Right: 0.008+/-0.026 χ^2/NDF: 95.0/72

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.021+/-0.033 χ^2/NDF:85.9/63

All: -0.004+/-0.023 χ^2/NDF: 158.6/120

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

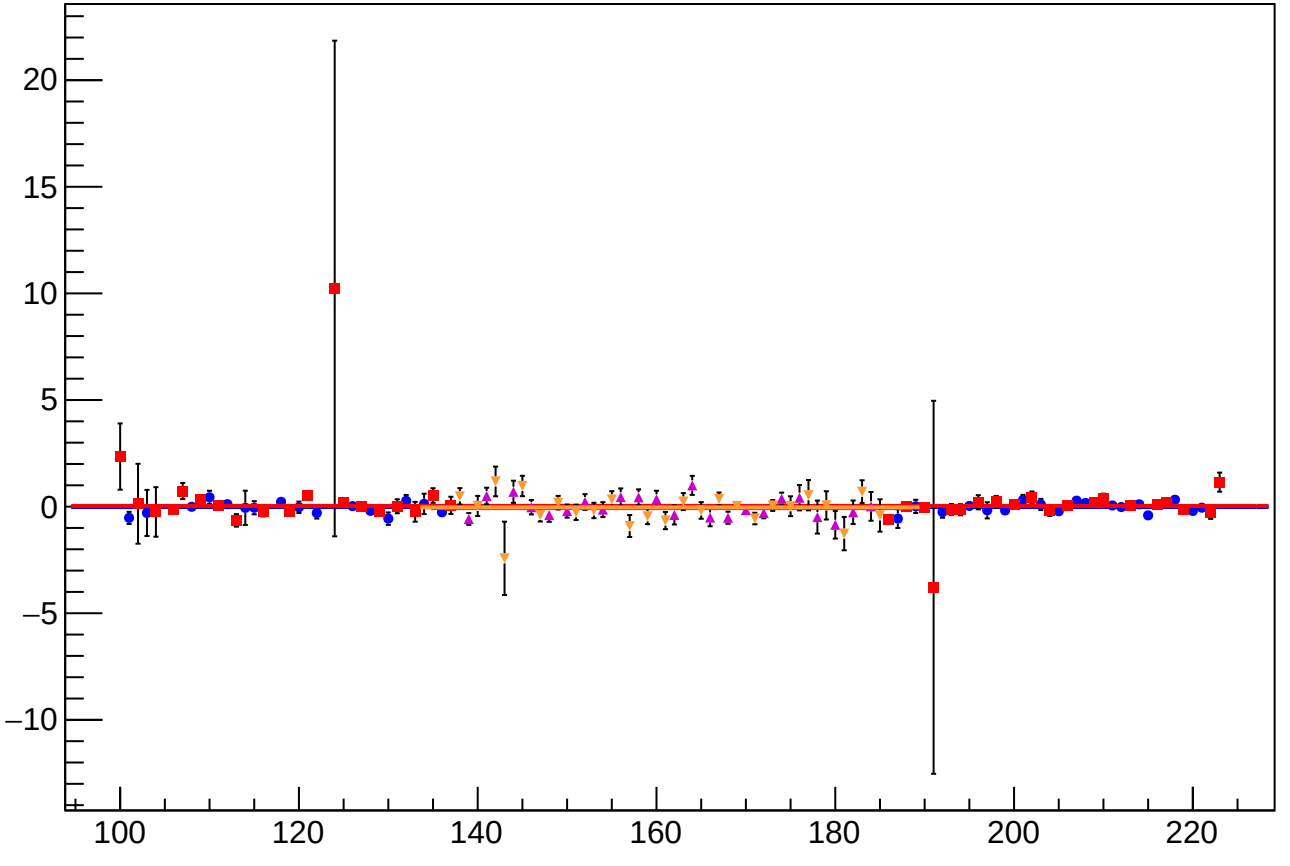
Right: 159.264+/-0.018 χ^2/NDF: 8470562.3/72

In: 191.821+/-0.024 χ^2/NDF:11227974.7/56

Out: 183.705+/-0.023 χ^2/NDF:16652490.9/63

All: 187.662+/-0.017 χ^2/NDF: 27940142.1/12

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

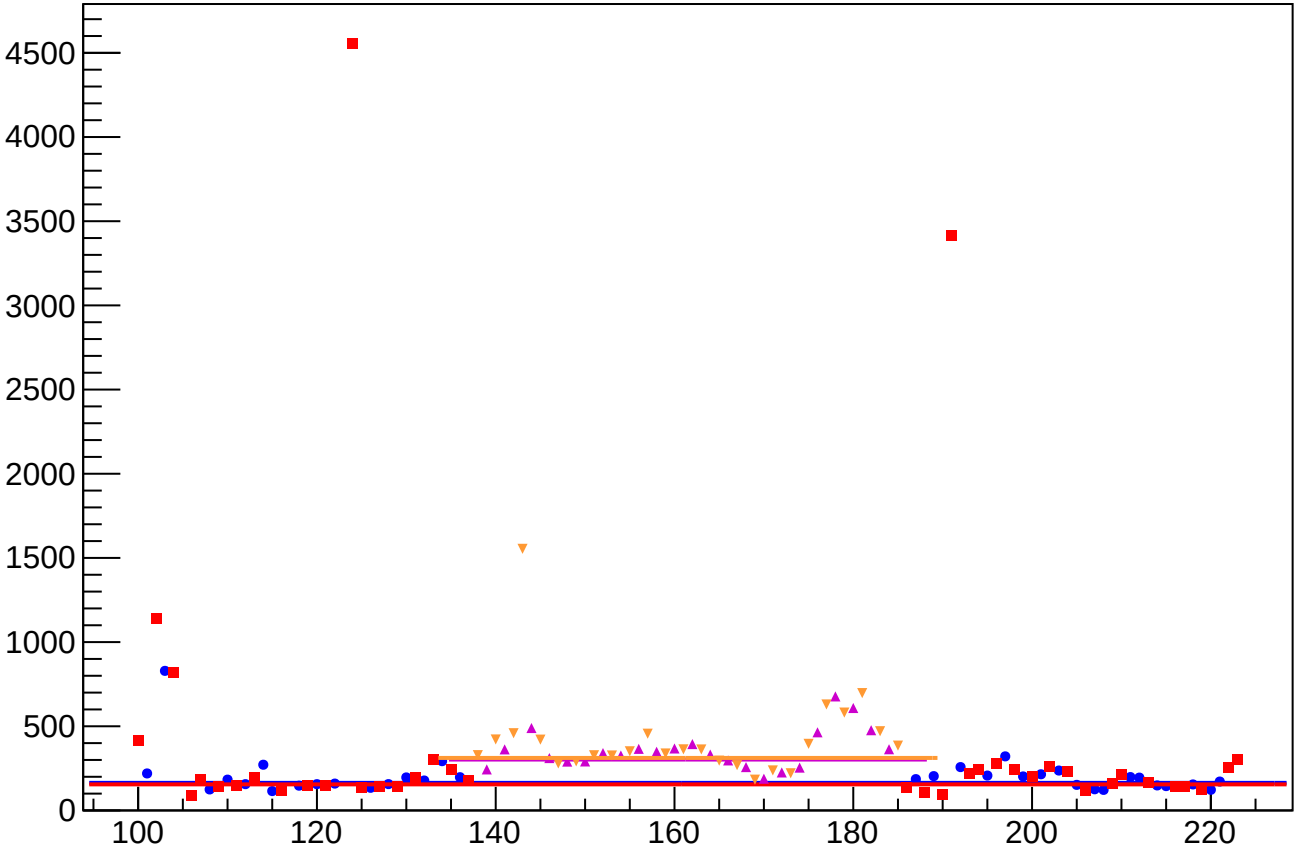
Right: 0.008+/-0.026 χ^2/NDF: 95.0/72

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.021+/-0.033 χ^2/NDF:85.9/63

All: -0.004+/-0.023 χ^2/NDF: 158.6/120

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

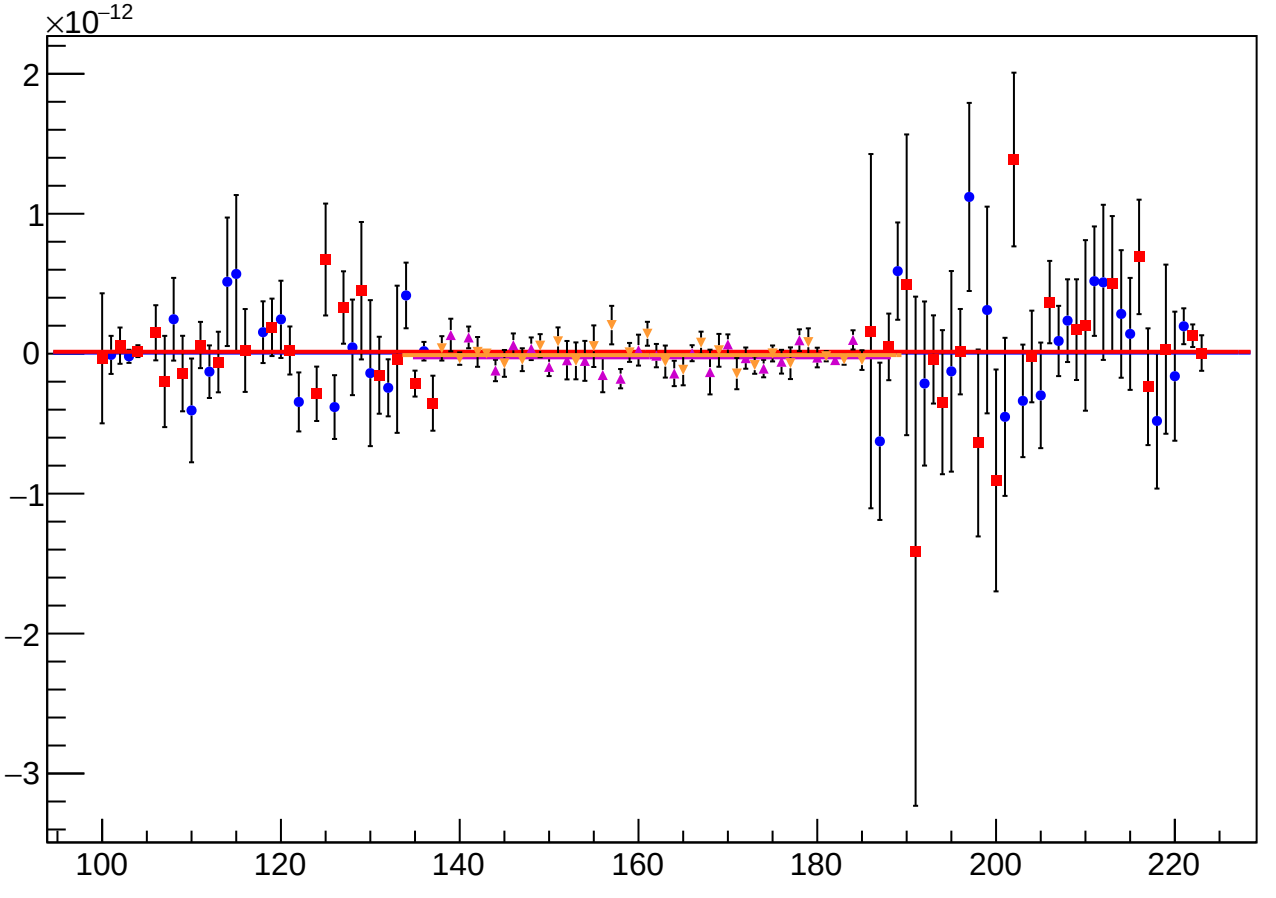
Right: 159.264+/-0.018 χ^2/NDF: 8470562.3/72

In: 191.821+/-0.024 χ^2/NDF:11227974.7/56

Out: 183.705+/-0.023 χ^2/NDF:16652490.9/63

All: 187.662+/-0.017 χ^2/NDF: 27940142.1/12

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

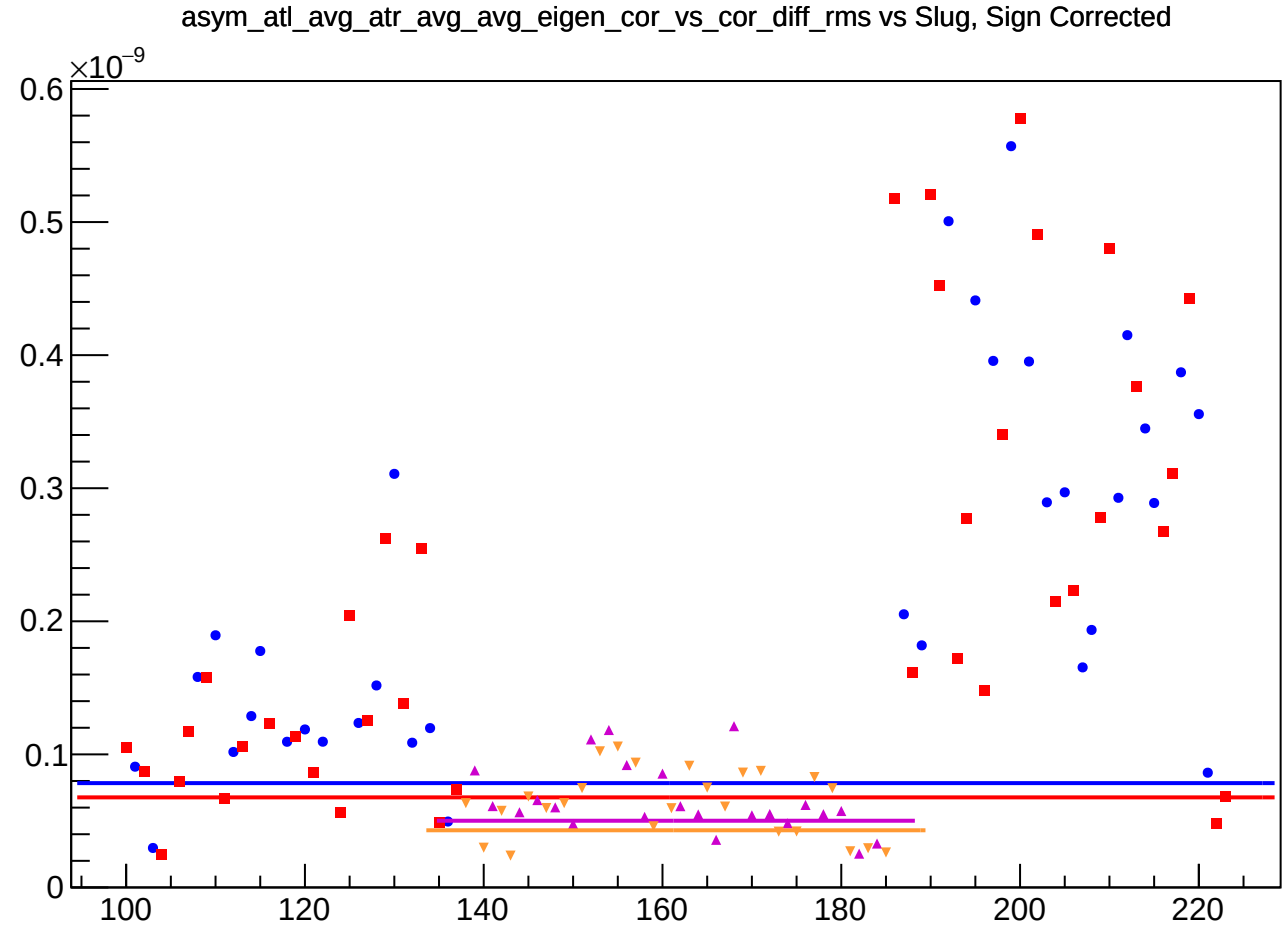
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: 0.000+/-0.000 χ^2/NDF: 68.8/72

In: -0.000+/-0.000 χ^2/NDF:61.3/56

Out: -0.000+/-0.000 χ^2/NDF:52.8/63

All: -0.000+/-0.000 χ^2/NDF: 114.8/120



Right In: 0.000+/-0.000 χ^2/NDF: 13439441.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12983127.7/38

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

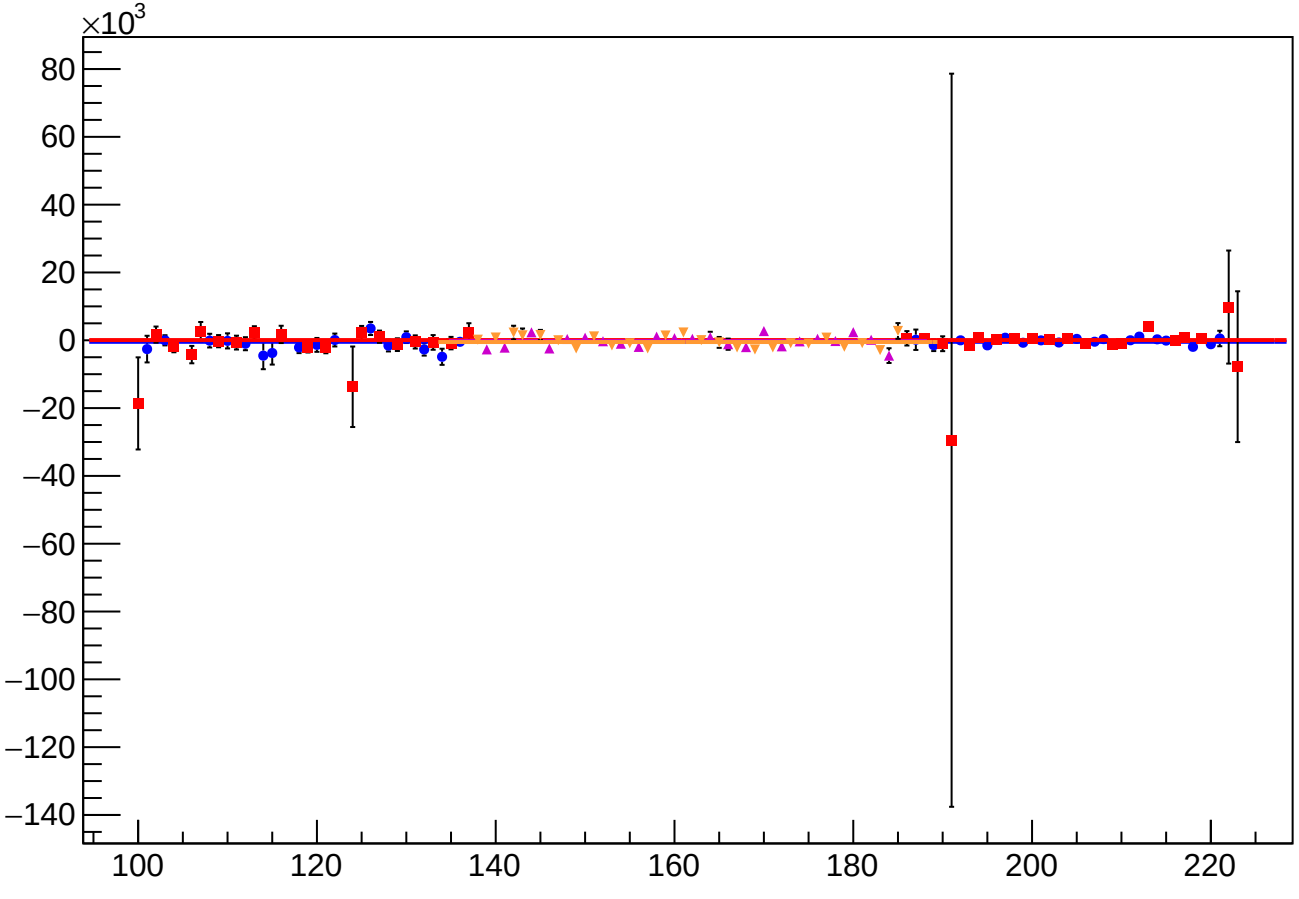
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 26558846.5/72

In: 0.000+/-0.000 χ^2/NDF:18428705.7/56

Out: 0.000+/-0.000 χ^2/NDF:19363908.8/63

All: 0.000+/-0.000 χ^2/NDF: 38184041.2/120



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

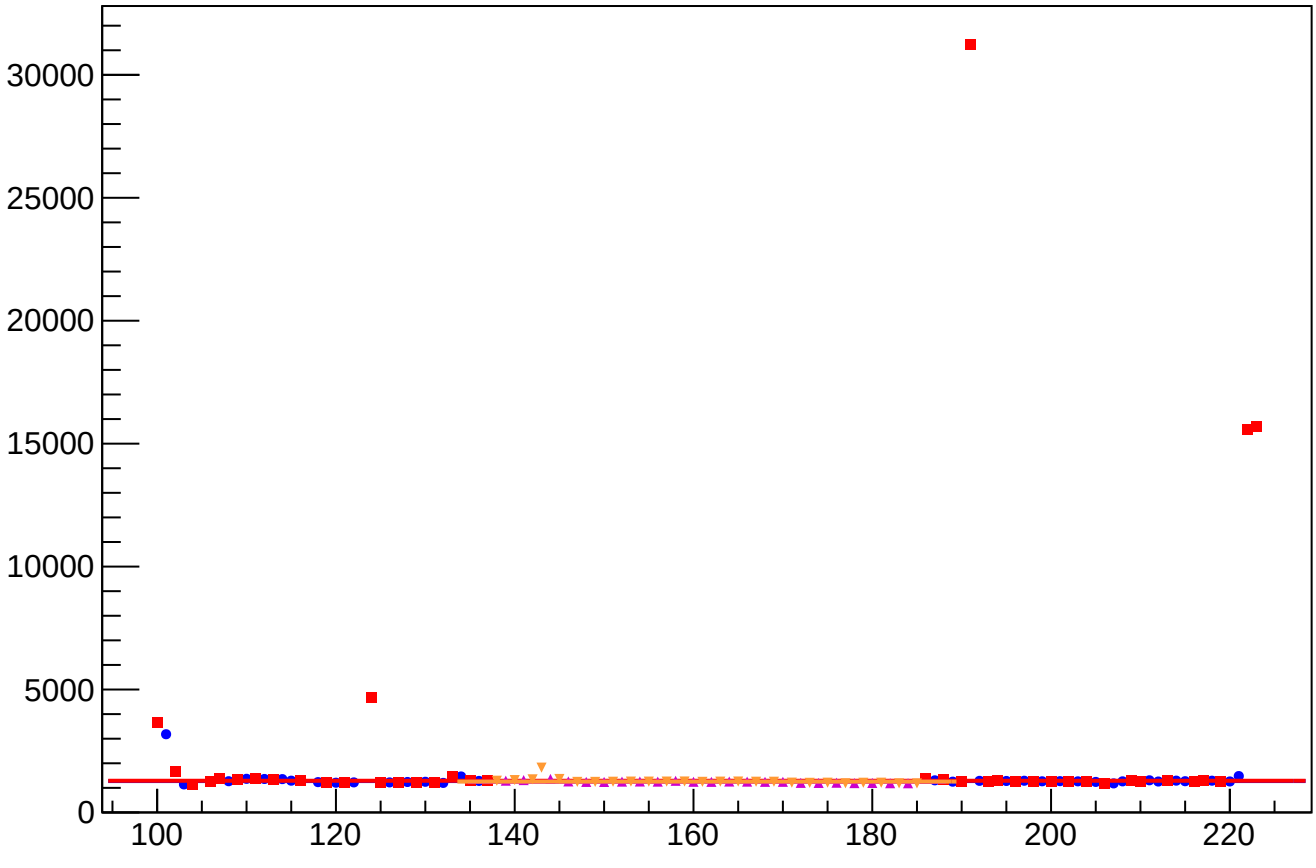
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -195.475+/-197.206 χ^2/NDF: 52.3/72

In: -350.013+/-200.804 χ^2/NDF:52.3/56

Out: -220.571+/-200.244 χ^2/NDF:63.7/63

All: -285.111+/-141.791 χ^2/NDF: 116.2/120



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

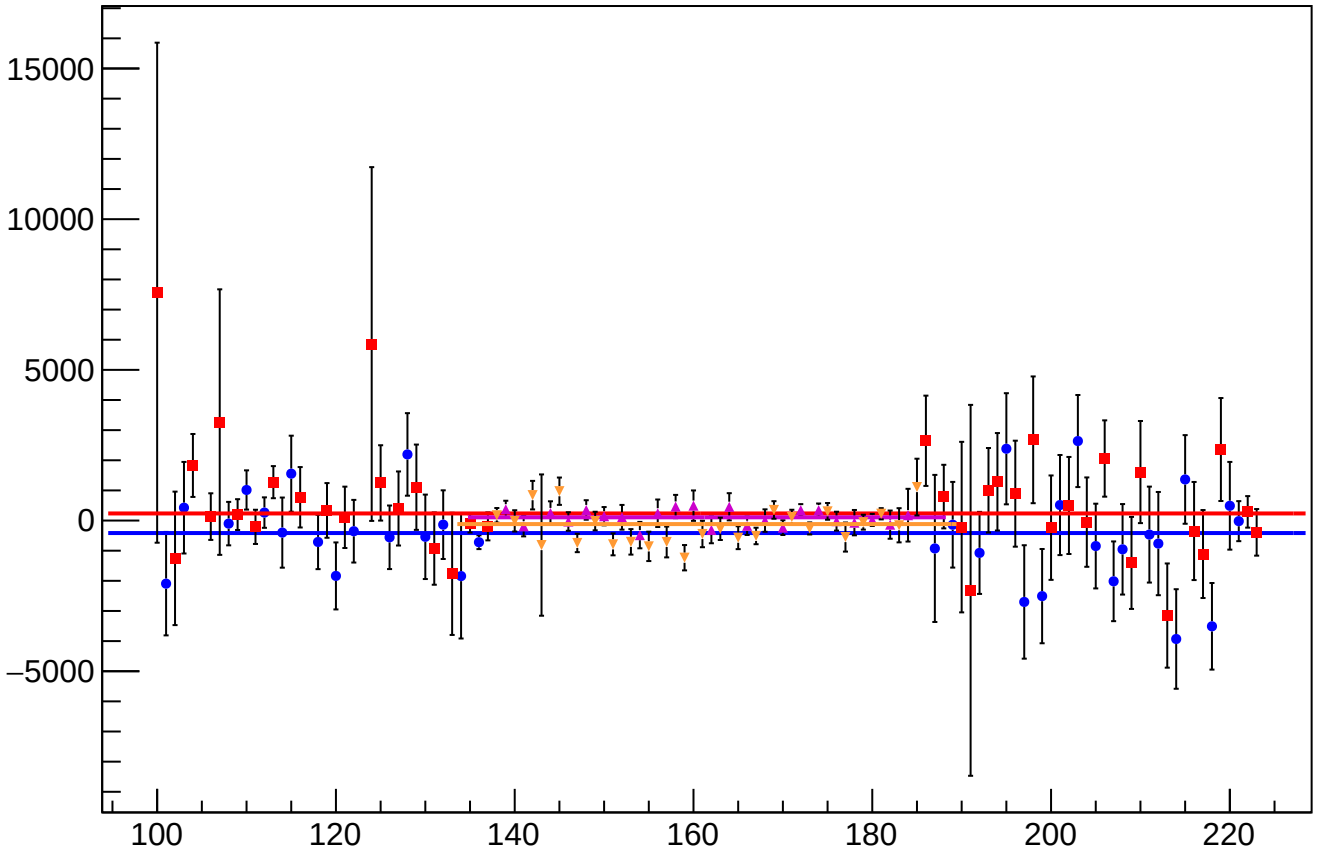
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1282.861+/-0.139 χ^2/NDF: 3374143.8/72

In: 1262.242+/-0.142 χ^2/NDF:602012.9/56

Out: 1272.688+/-0.142 χ^2/NDF:3038595.7/63

All: 1267.479+/-0.100 χ^2/NDF: 3643322.4/12



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

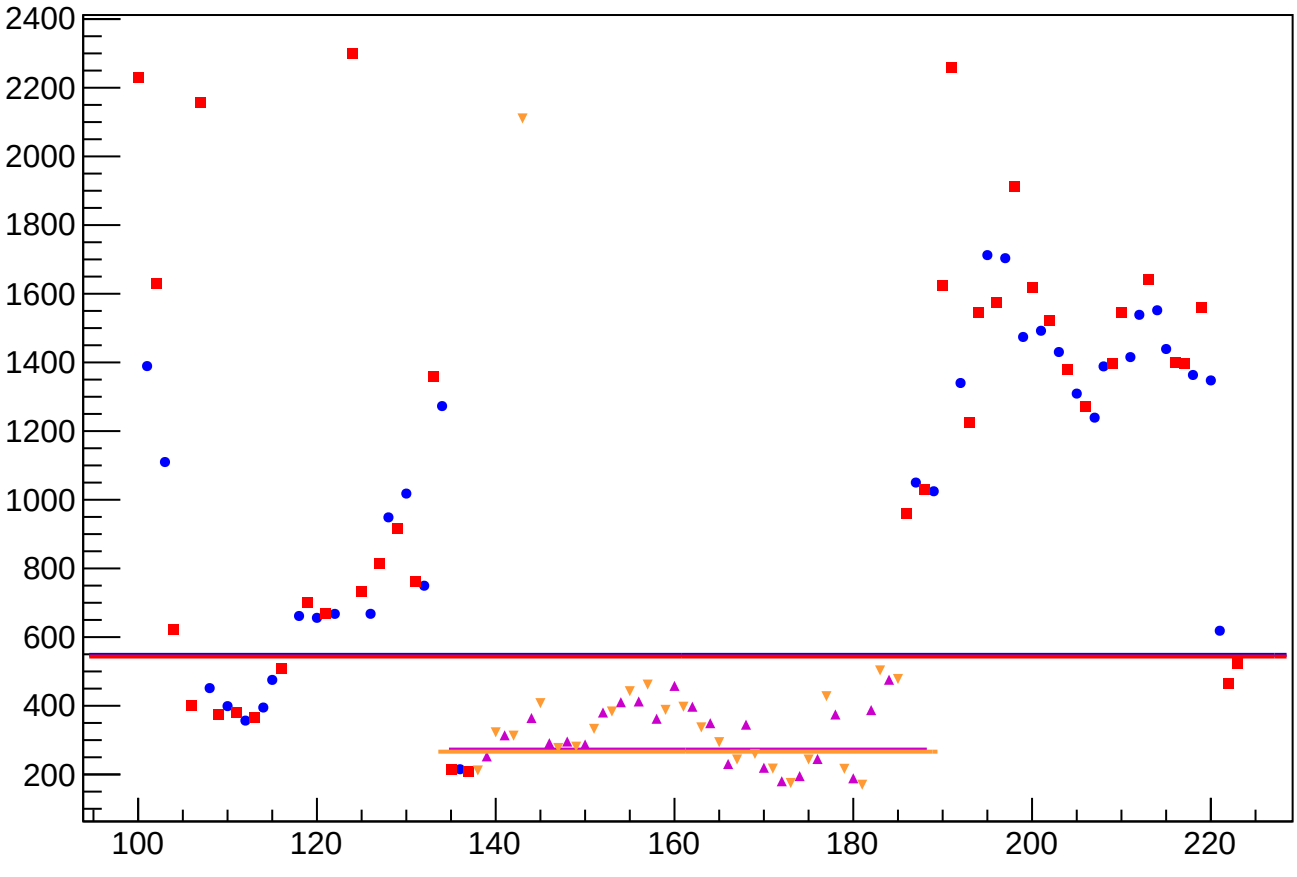
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -80.627+/-104.387 χ^2/NDF: 82.3/72

In: 20.220+/-61.154 χ^2/NDF:65.4/56

Out: -58.376+/-59.402 χ^2/NDF:84.4/63

All: -20.219+/-42.610 χ^2/NDF: 150.6/120



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

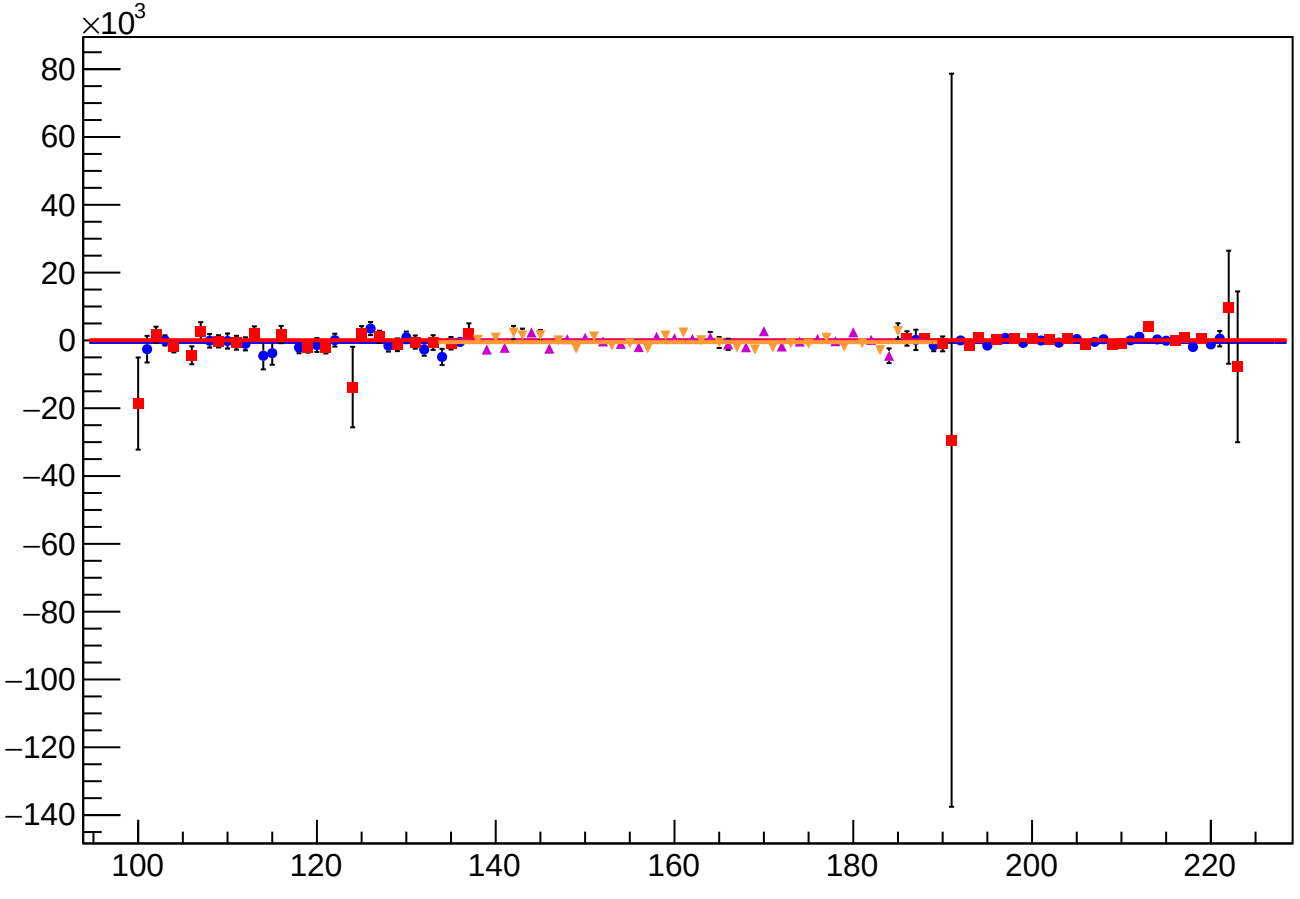
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 545.817+/-0.074 χ^2/NDF: 33148280.9/72

In: 318.425+/-0.043 χ^2/NDF:25129303.2/56

Out: 312.420+/-0.042 χ^2/NDF:27234921.3/63

All: 315.336+/-0.030 χ^2/NDF: 52374146.8/12



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

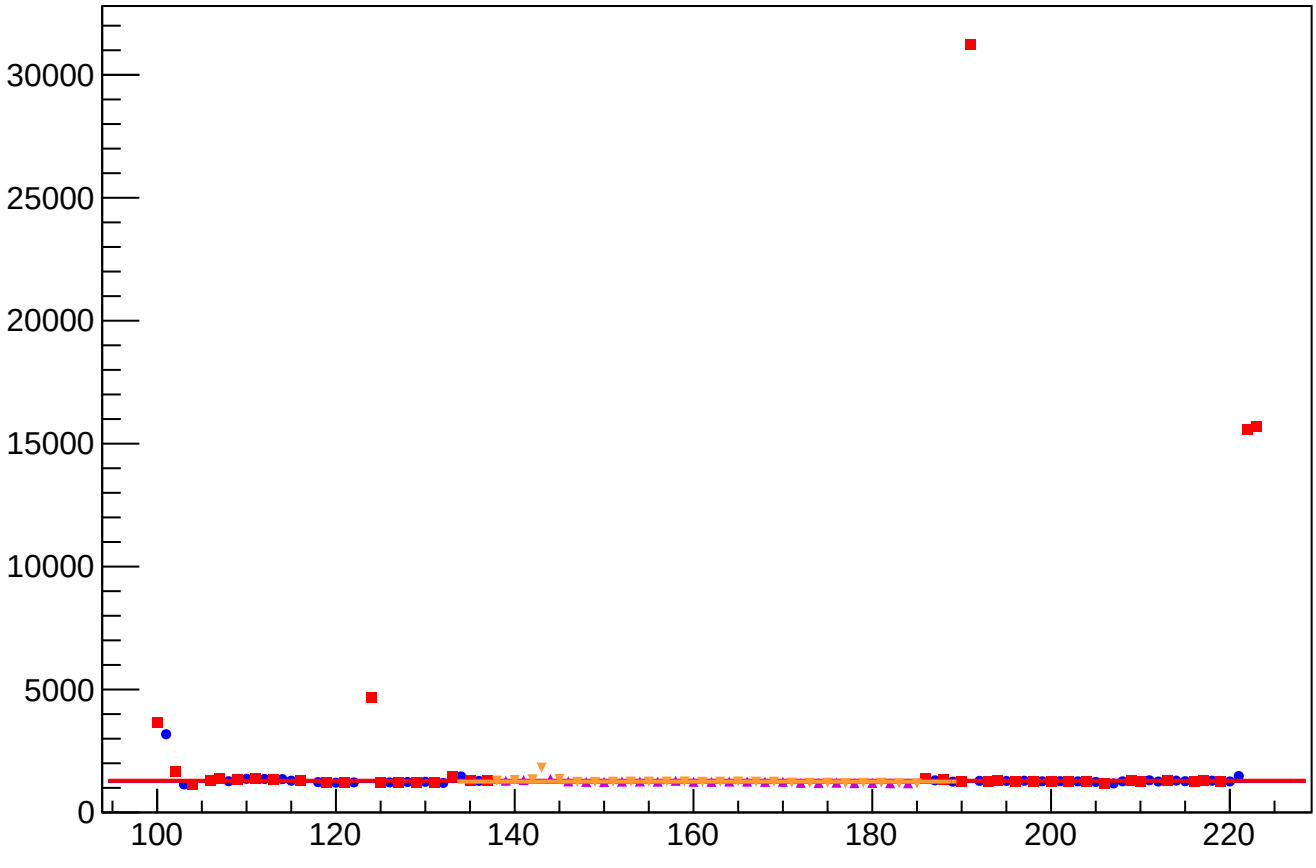
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -194.924+/-197.241 χ^2/NDF: 52.4/72

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -220.062+/-200.281 χ^2/NDF:63.7/63

All: -284.824+/-141.804 χ^2/NDF: 116.2/120



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

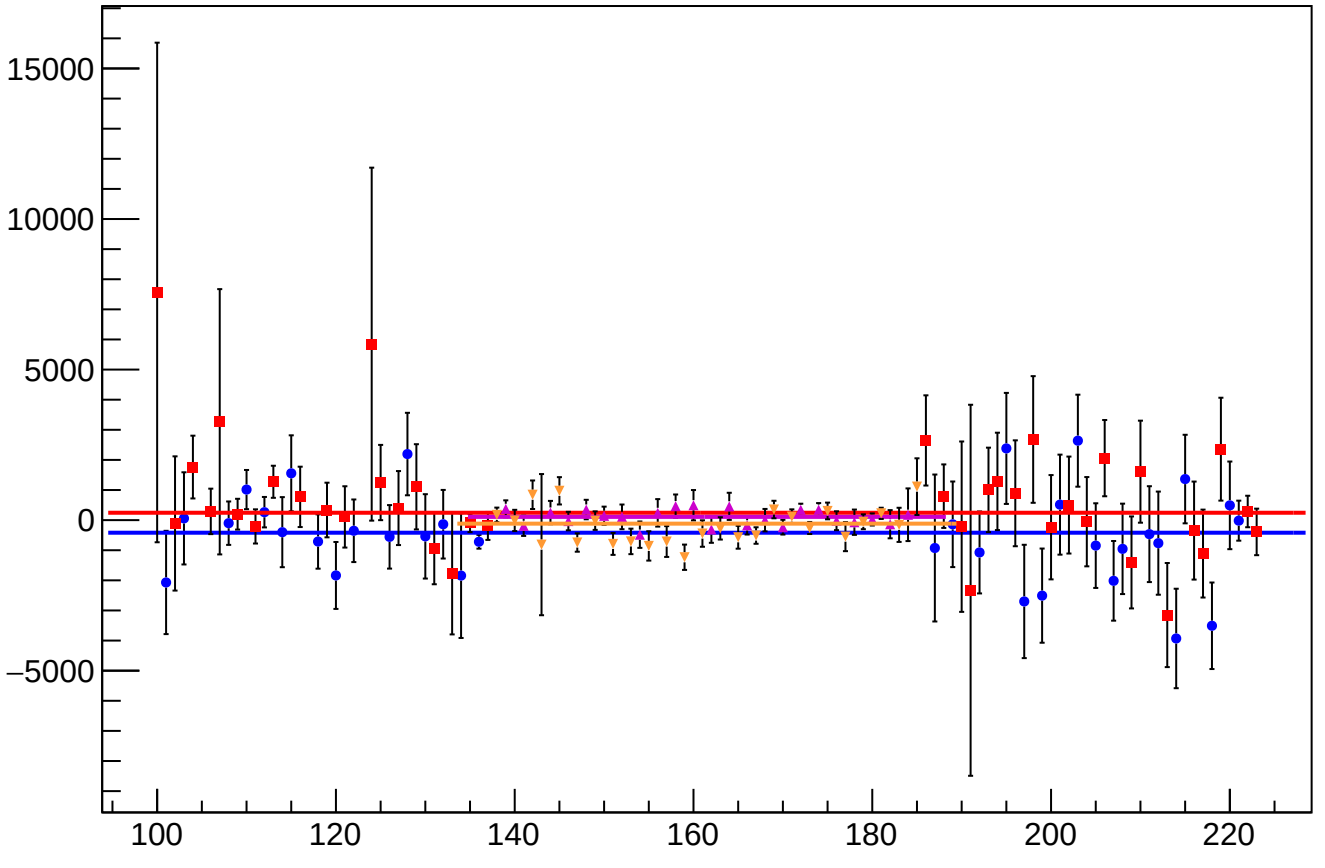
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1283.095+/-0.139 χ^2/NDF: 3374149.9/72

In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1272.926+/-0.142 χ^2/NDF:3038843.2/63

All: 1267.598+/-0.100 χ^2/NDF: 3643695.7/12



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

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

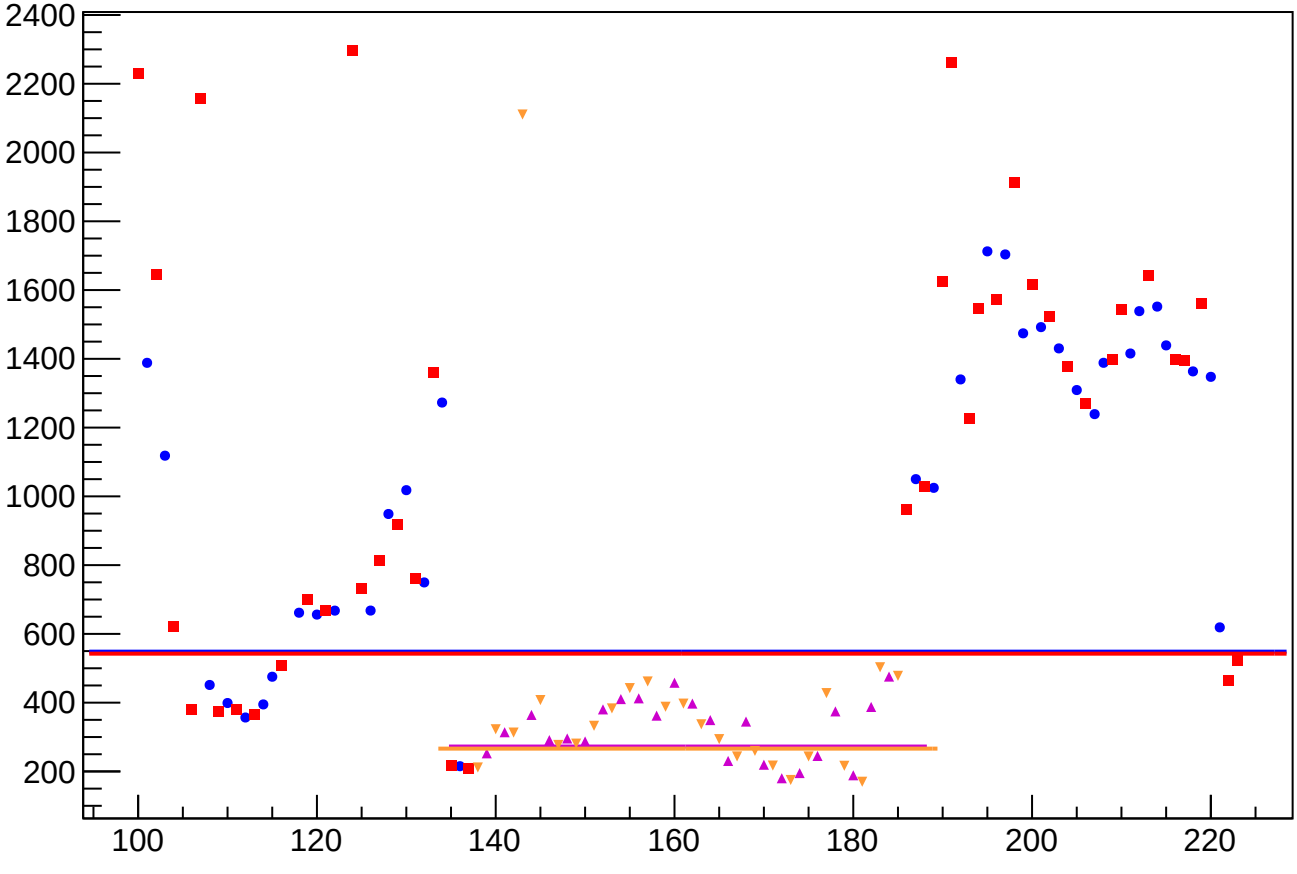
Right: -77.085+/-104.347 χ^2/NDF: 81.8/72

In: 19.757+/-61.157 χ^2/NDF:65.3/56

Out: -56.680+/-59.395 χ^2/NDF:84.0/63

All: -19.579+/-42.608 χ^2/NDF: 150.1/120

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

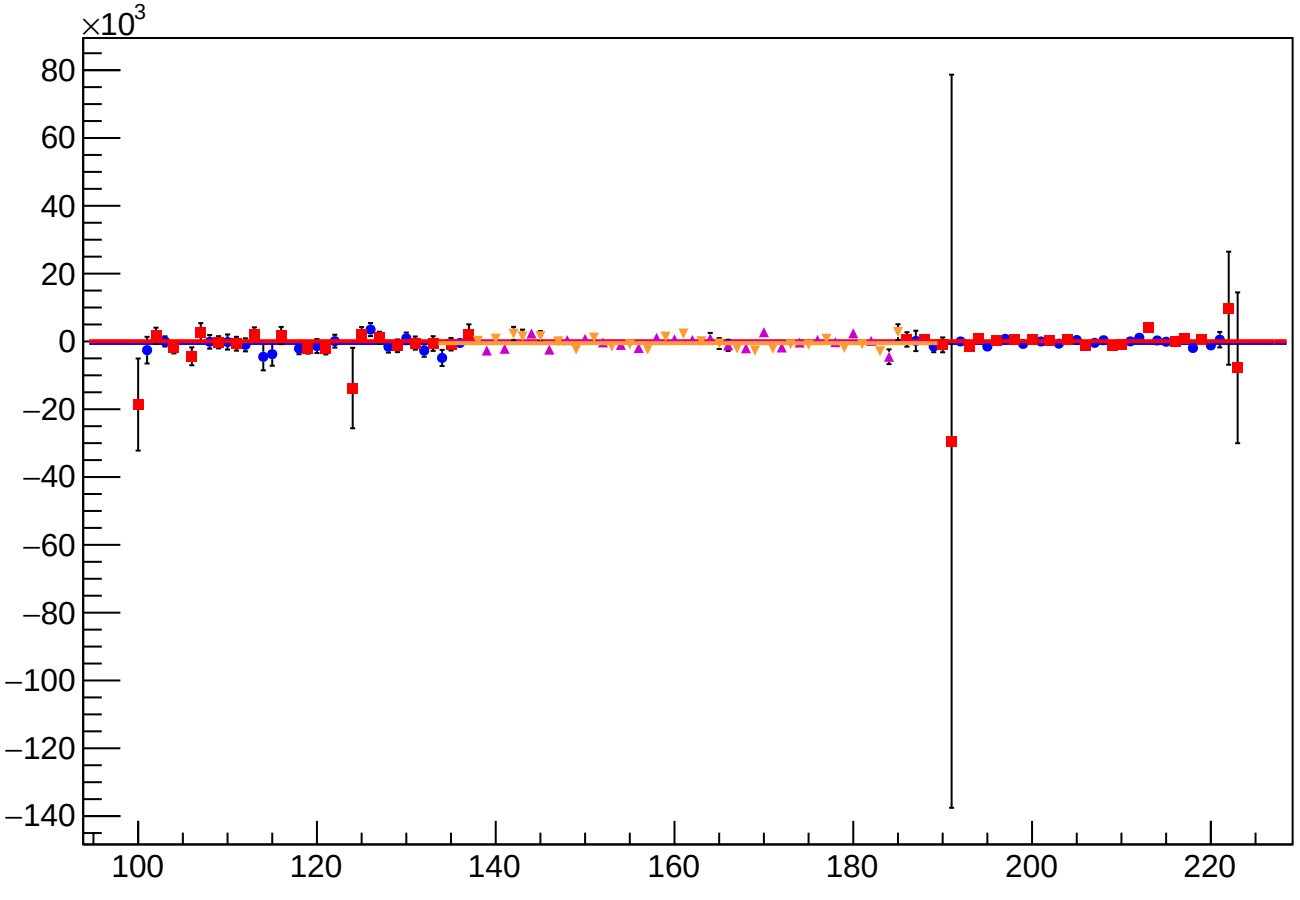
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 545.338+/-0.074 χ^2/NDF: 33182563.0/72

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 312.332+/-0.042 χ^2/NDF:27231808.3/63

All: 315.293+/-0.030 χ^2/NDF: 52374460.5/12



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

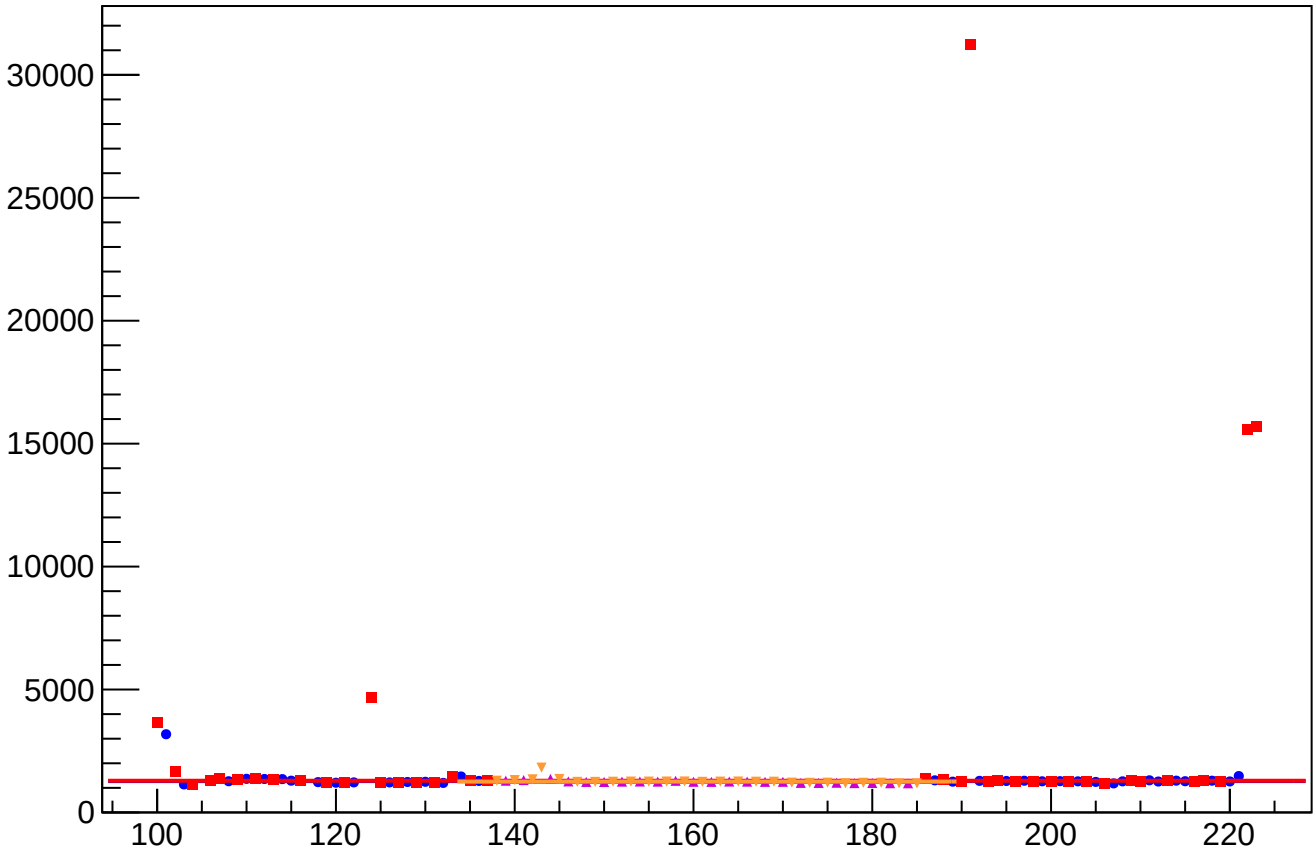
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -194.924+/-197.241 χ^2/NDF: 52.4/72

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -220.062+/-200.281 χ^2/NDF:63.7/63

All: -284.824+/-141.804 χ^2/NDF: 116.2/120



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

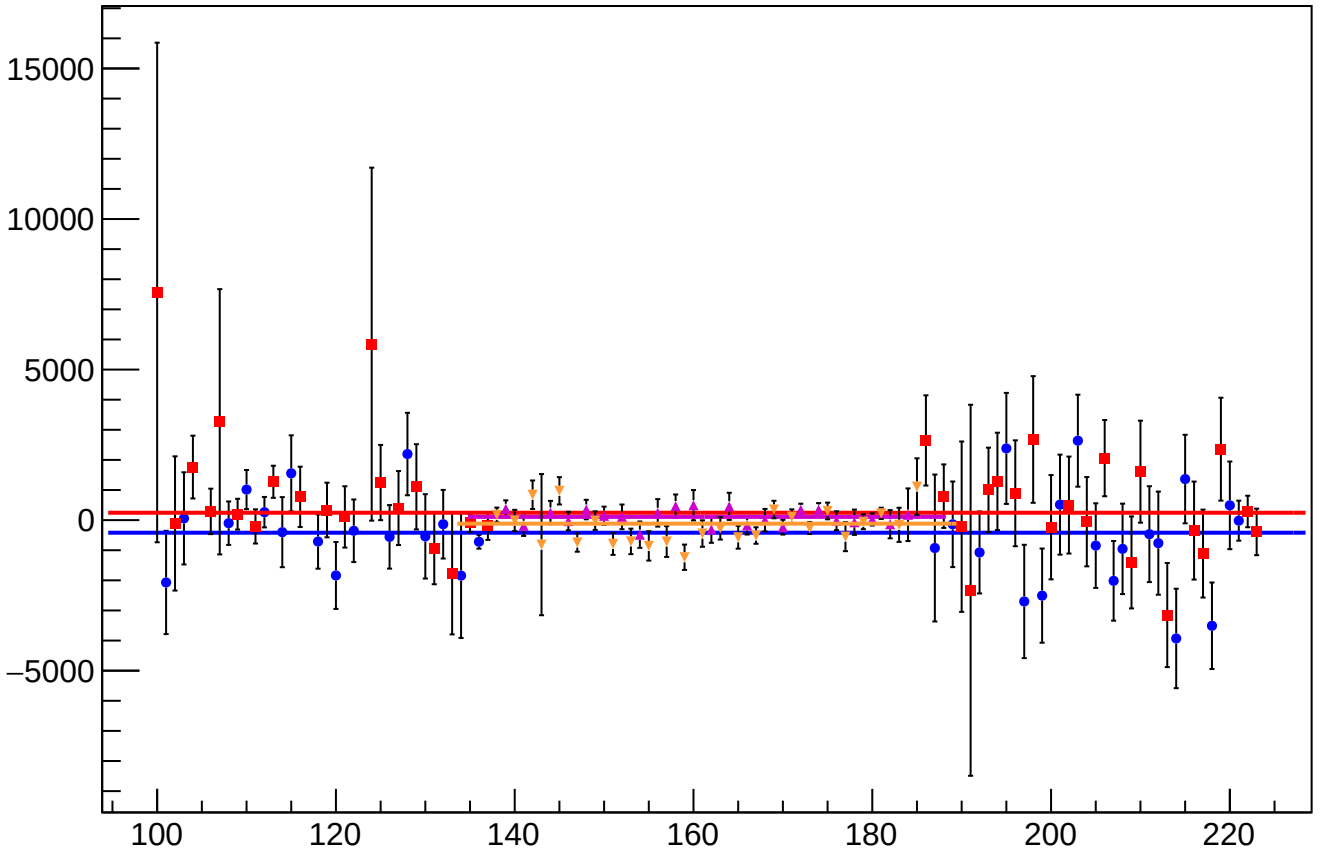
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1283.095+/-0.139 χ^2/NDF: 3374149.9/72

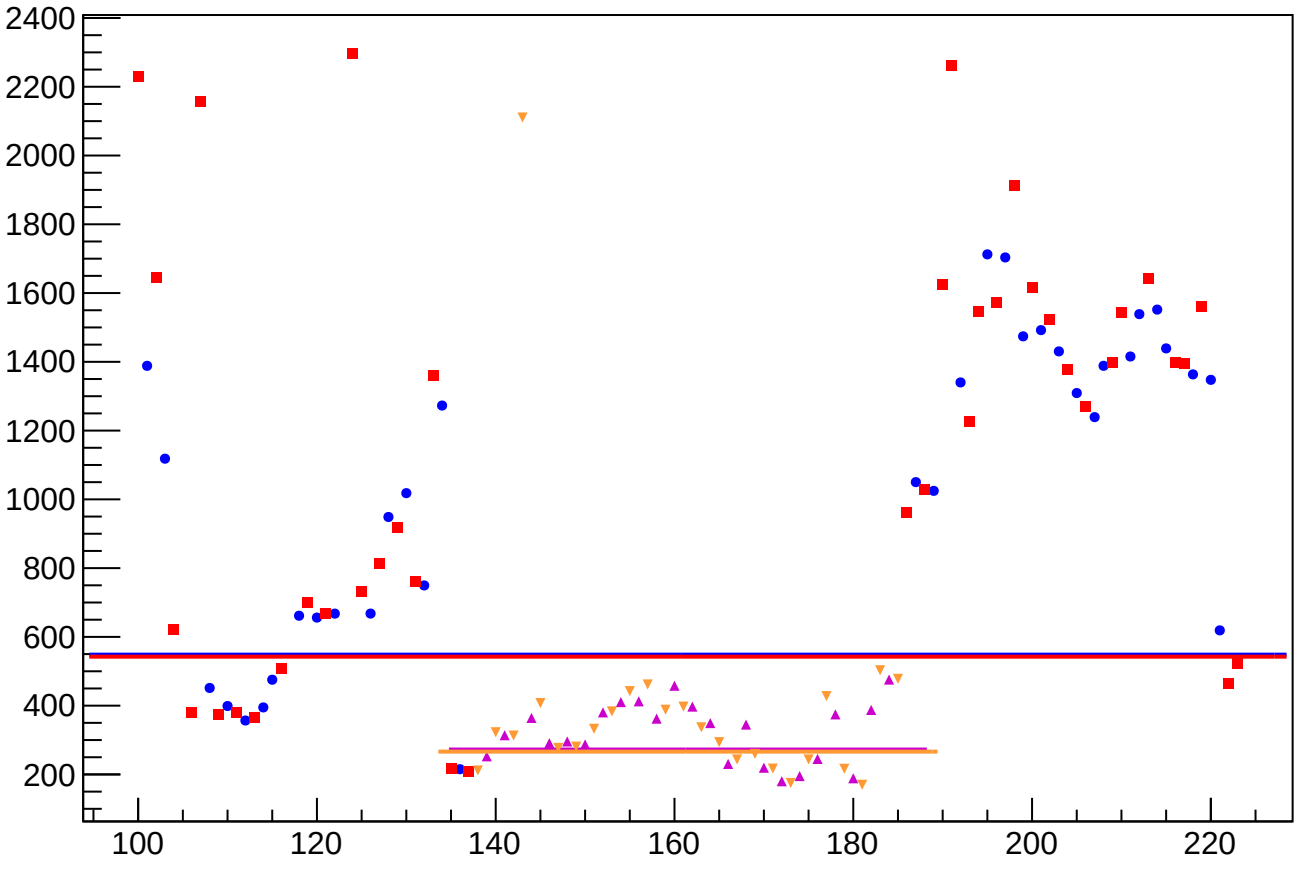
In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1272.926+/-0.142 χ^2/NDF:3038843.2/63

All: 1267.598+/-0.100 χ^2/NDF: 3643695.7/12


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
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
Left: -8.072+/-46.676 χ²/NDF: 68.0/47
Right: -77.085+/-104.347 χ²/NDF: 81.8/72
In: 19.757+/-61.157 χ²/NDF:65.3/56
Out: -56.680+/-59.395 χ²/NDF:84.0/63
All: -19.579+/-42.608 χ²/NDF: 150.1/120

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

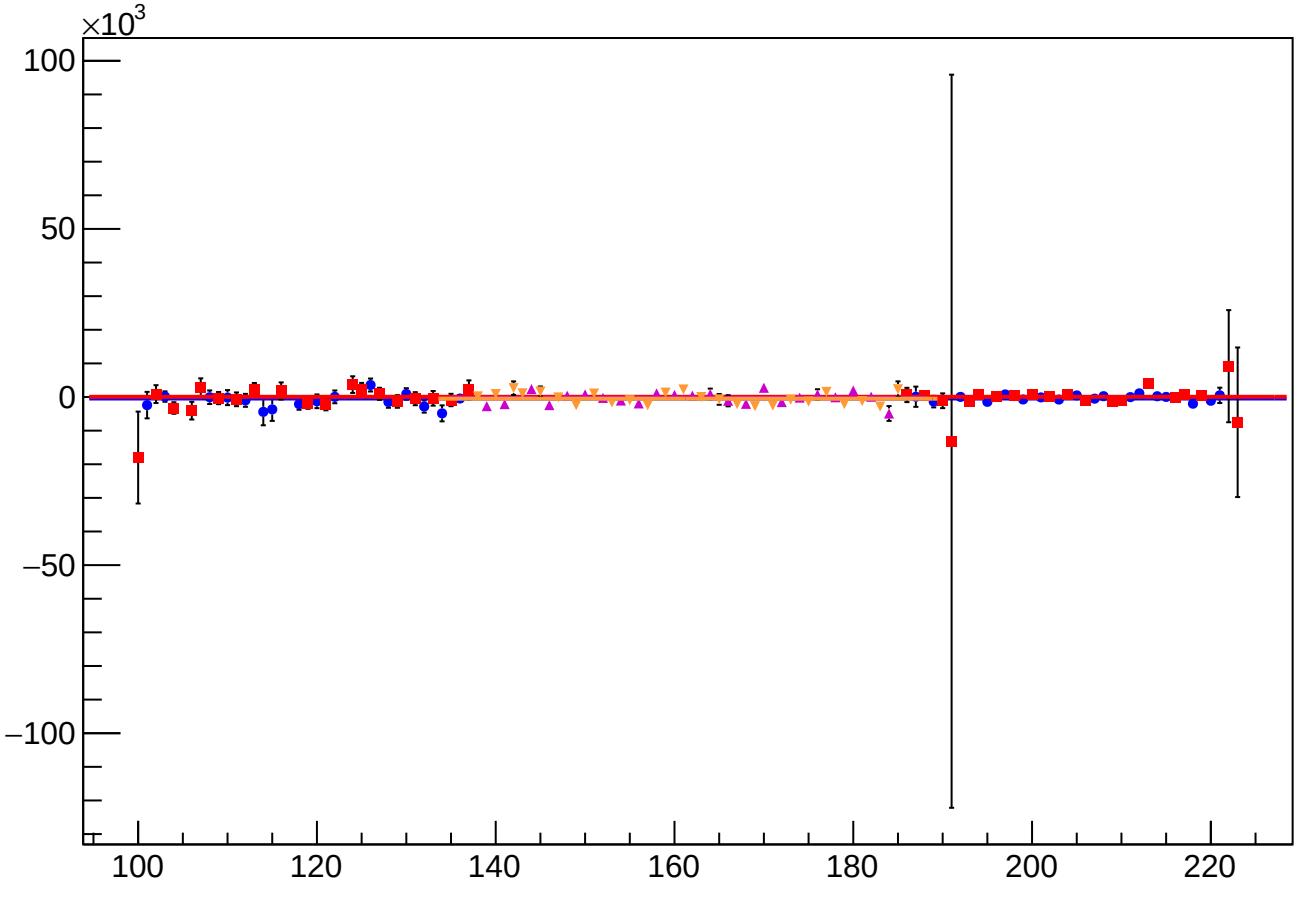
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 545.338+/-0.074 χ^2/NDF: 33182563.0/72

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 312.332+/-0.042 χ^2/NDF:27231808.3/63

All: 315.293+/-0.030 χ^2/NDF: 52374460.5/12



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

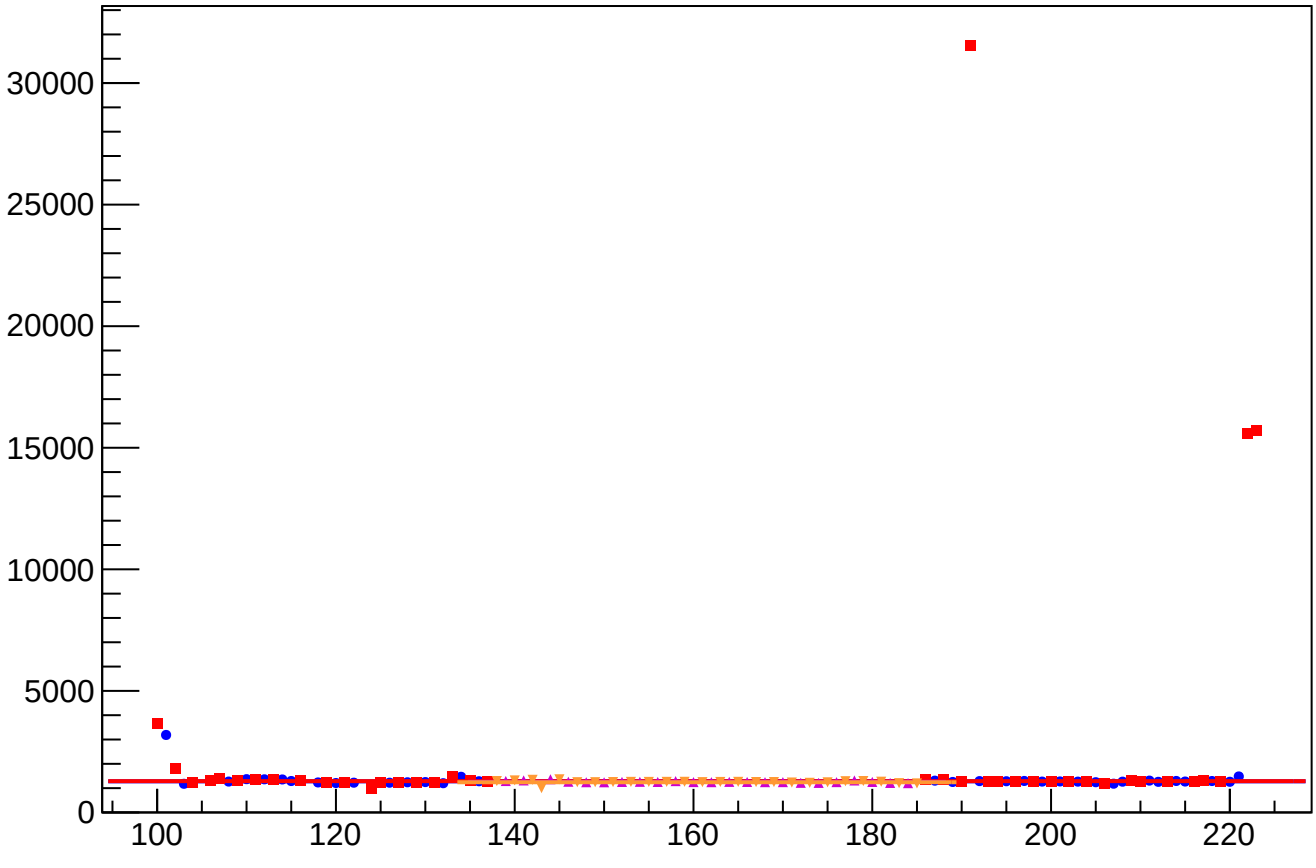
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -190.147+/-197.343 χ^2/NDF: 54.2/72

In: -346.637+/-202.100 χ^2/NDF:50.9/56

Out: -212.376+/-199.021 χ^2/NDF:68.8/63

All: -278.476+/-141.805 χ^2/NDF: 119.9/120



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

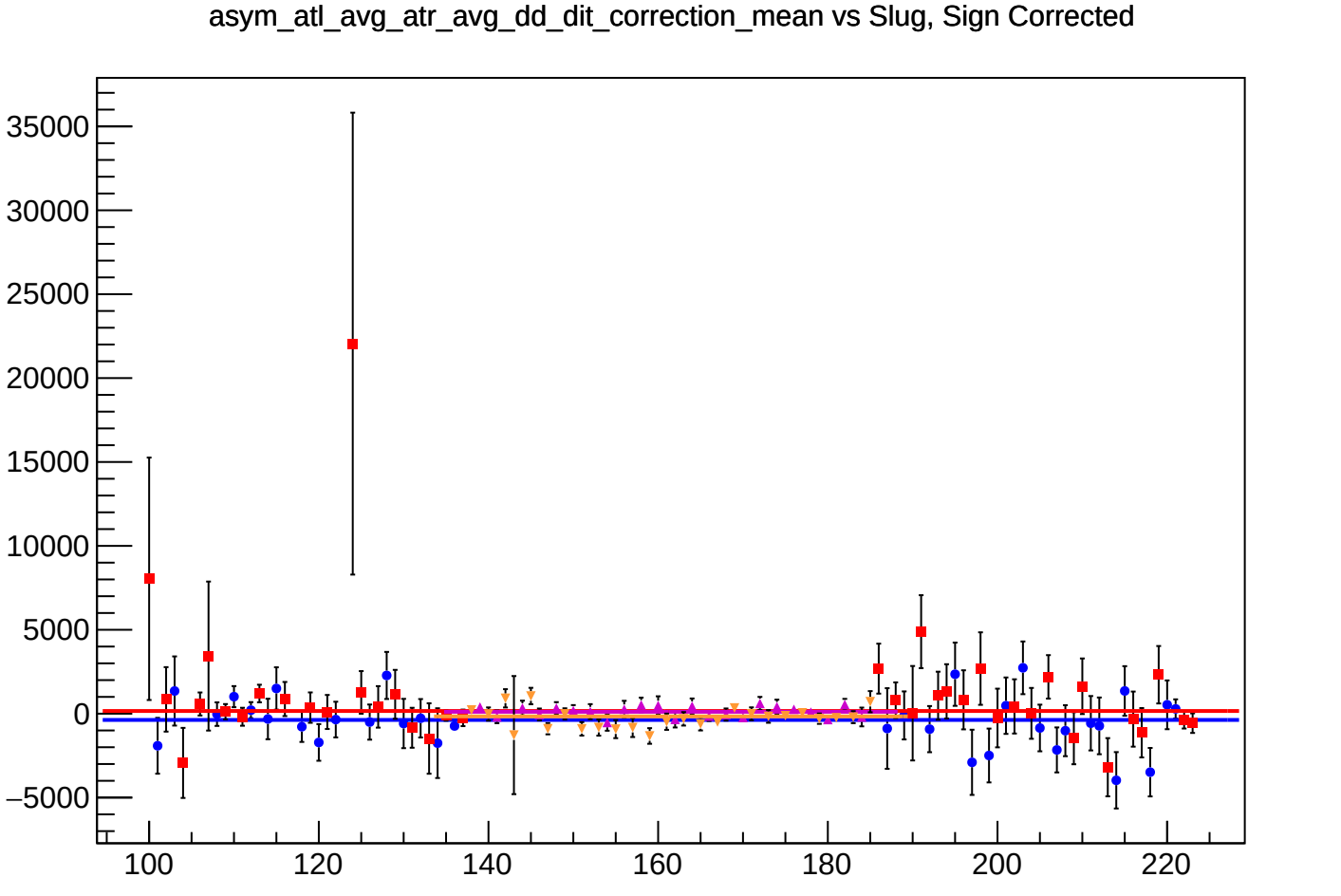
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1283.834+/-0.140 χ^2/NDF: 3246003.0/72

In: 1270.550+/-0.143 χ^2/NDF:575695.4/56

Out: 1265.401+/-0.141 χ^2/NDF:2858140.2/63

All: 1267.936+/-0.100 χ^2/NDF: 3434494.9/12



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

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

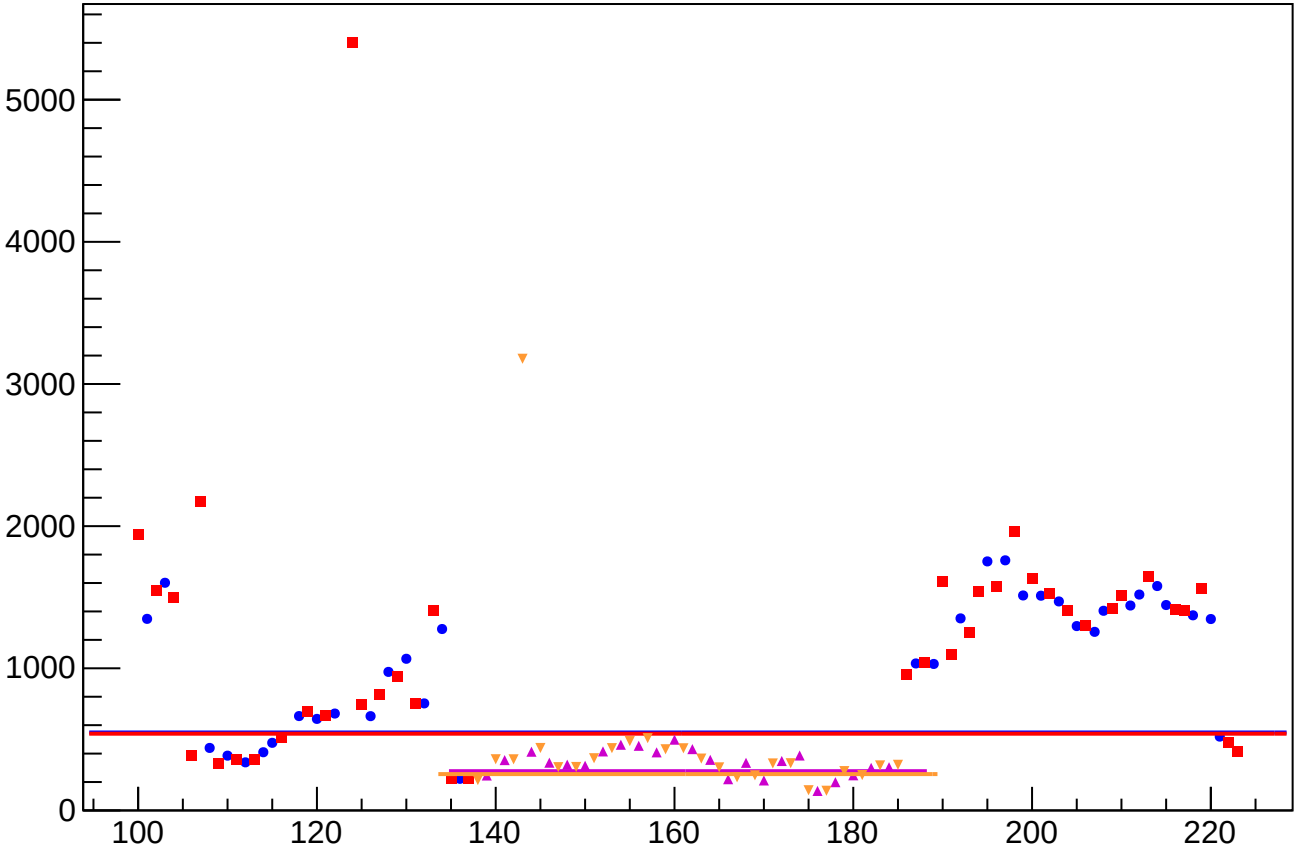
Right: -95.740+/-103.623 χ^2/NDF: 88.9/72

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -107.587+/-58.554 χ^2/NDF:87.4/63

All: -43.938+/-42.746 χ^2/NDF: 159.7/120

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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

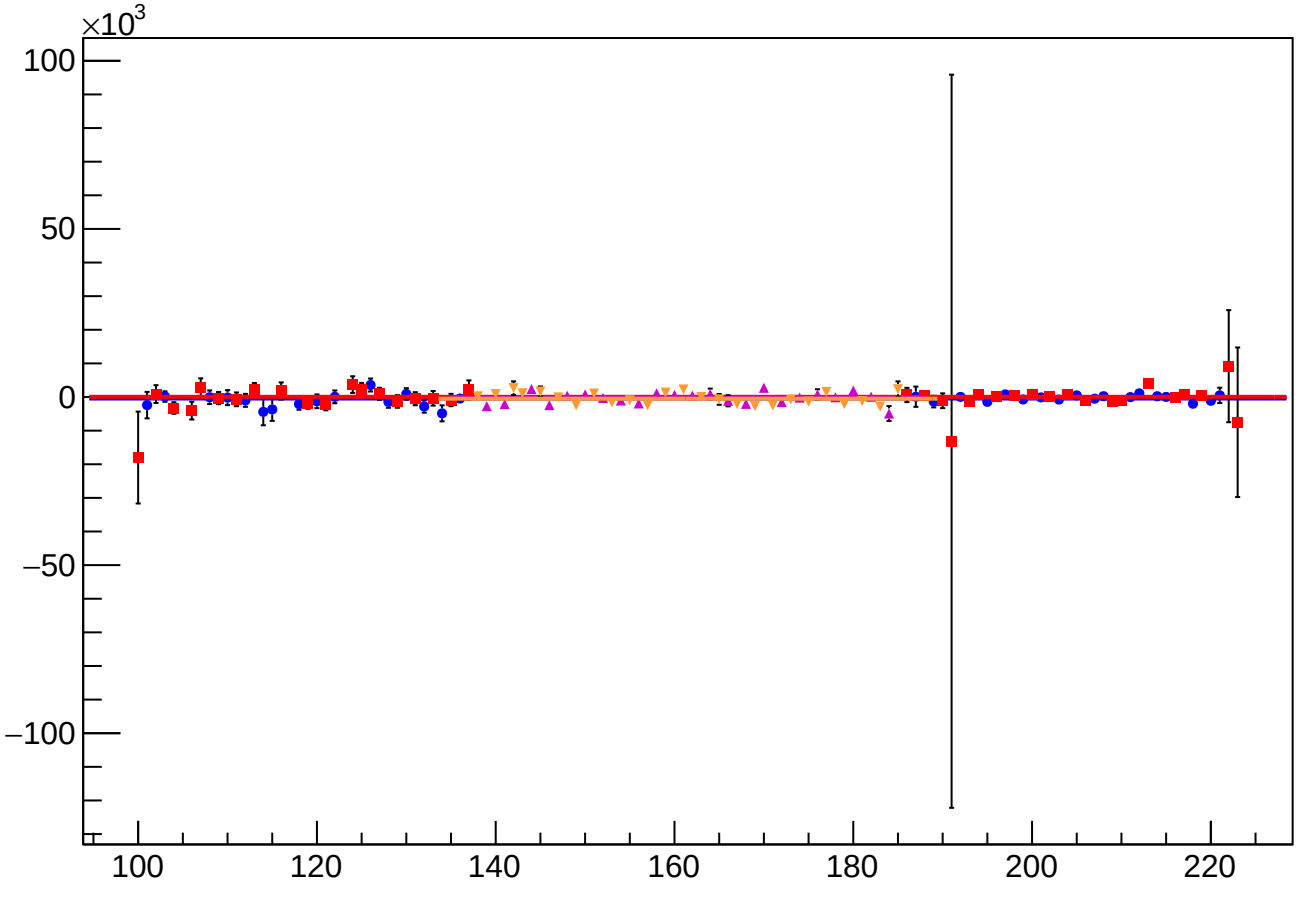
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 544.056+/-0.073 χ^2/NDF: 33880964.4/72

In: 323.777+/-0.044 χ^2/NDF:26170465.3/56

Out: 303.071+/-0.041 χ^2/NDF:30099949.3/63

All: 312.742+/-0.030 χ^2/NDF: 56387232.6/12



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

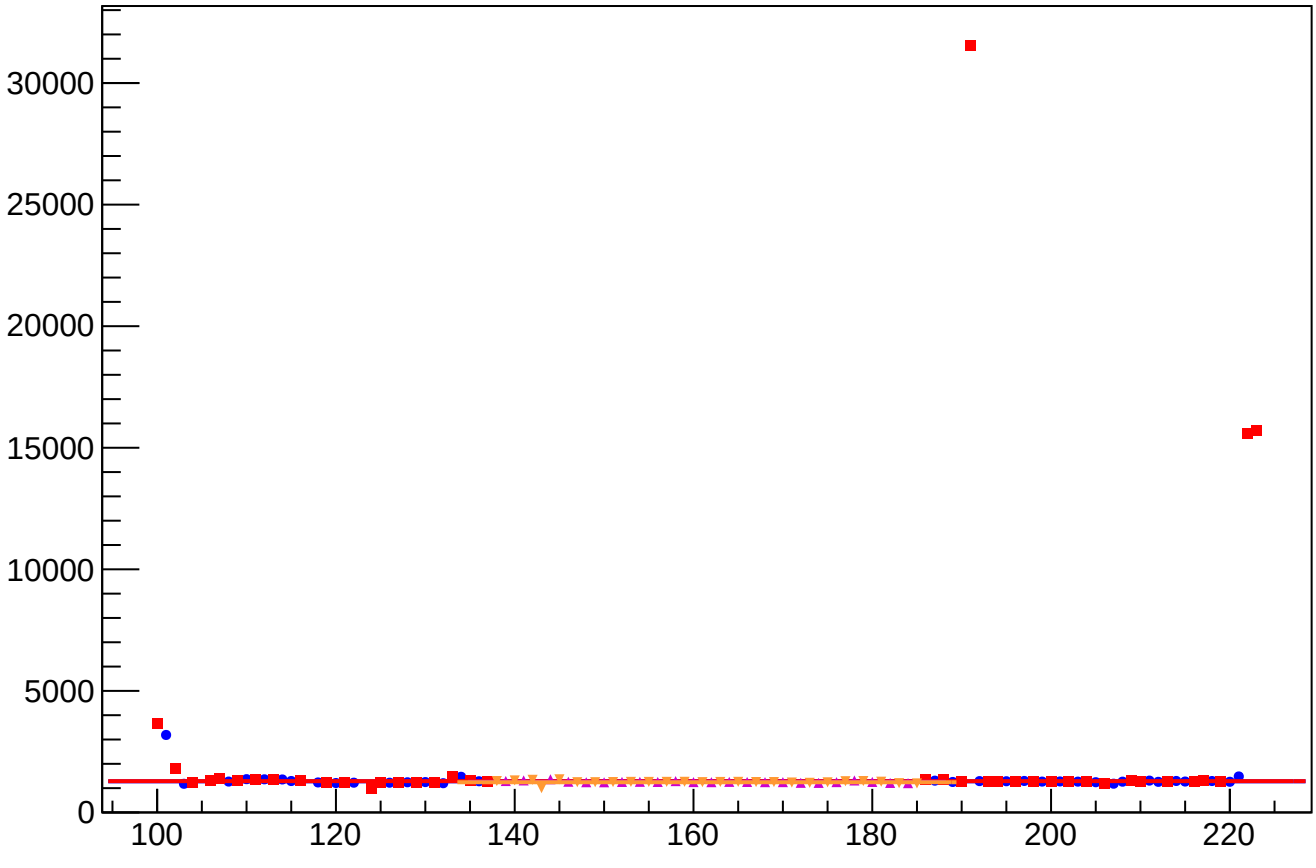
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -190.146+/-197.343 χ^2/NDF: 54.2/72

In: -346.635+/-202.100 χ^2/NDF:50.9/56

Out: -212.376+/-199.021 χ^2/NDF:68.8/63

All: -278.475+/-141.805 χ^2/NDF: 119.9/120



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

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

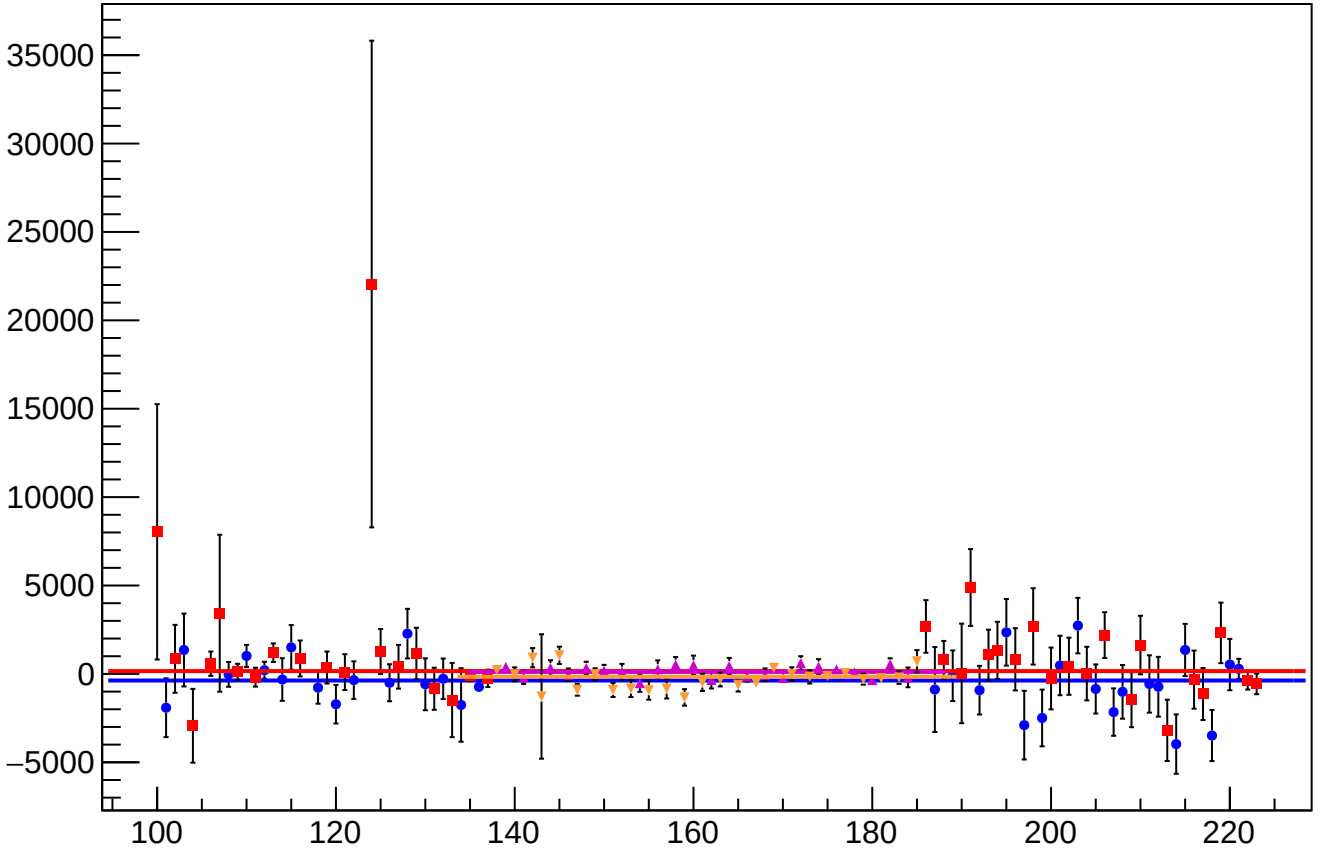
Right: 1283.834+/-0.140 χ^2/NDF: 3246003.3/72

In: 1270.550+/-0.143 χ^2/NDF:575695.5/56

Out: 1265.401+/-0.141 χ^2/NDF:2858139.6/63

All: 1267.936+/-0.100 χ^2/NDF: 3434494.4/12

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

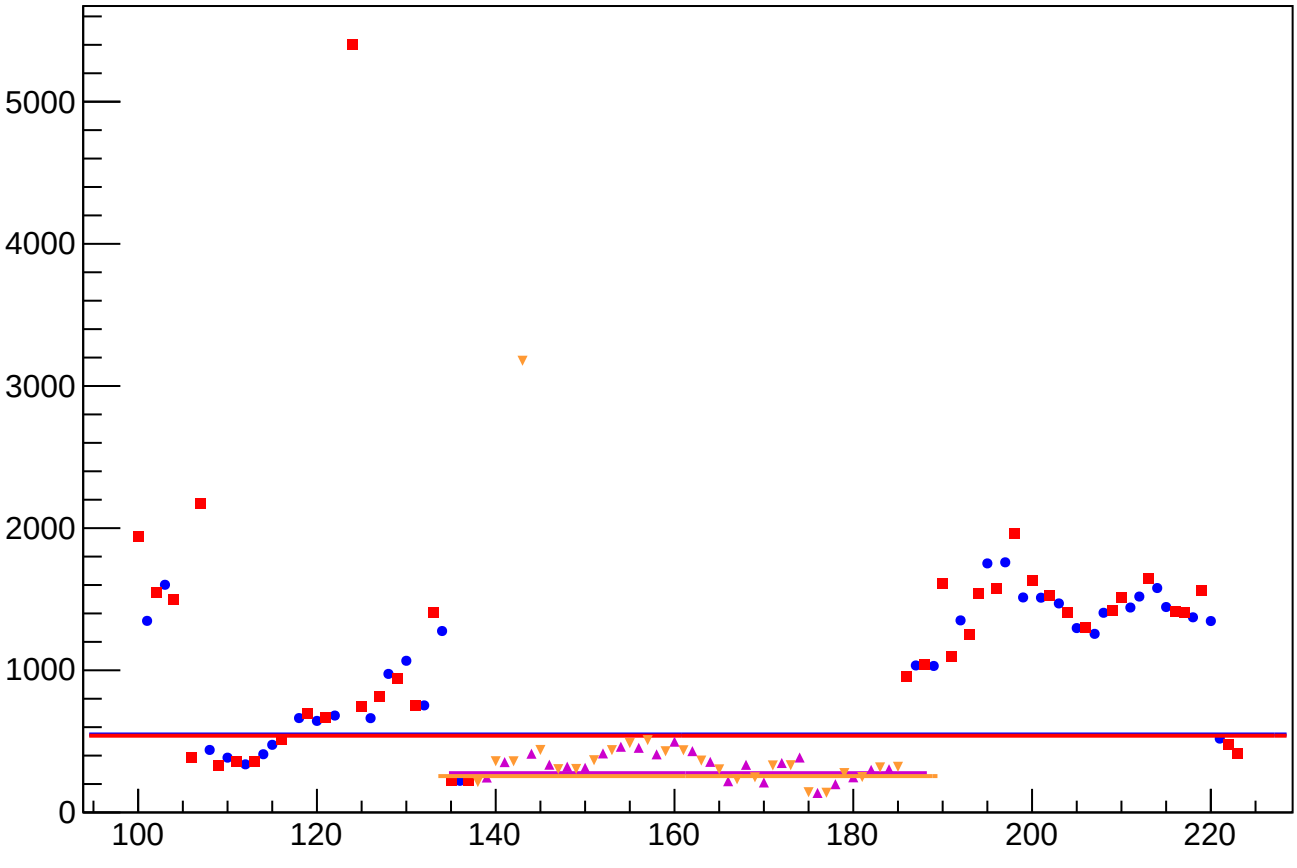
Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

Right: -95.737+/-103.624 χ^2/NDF: 88.9/72

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -107.590+/-58.554 χ^2/NDF:87.4/63

All: -43.940+/-42.746 χ^2/NDF: 159.7/120



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

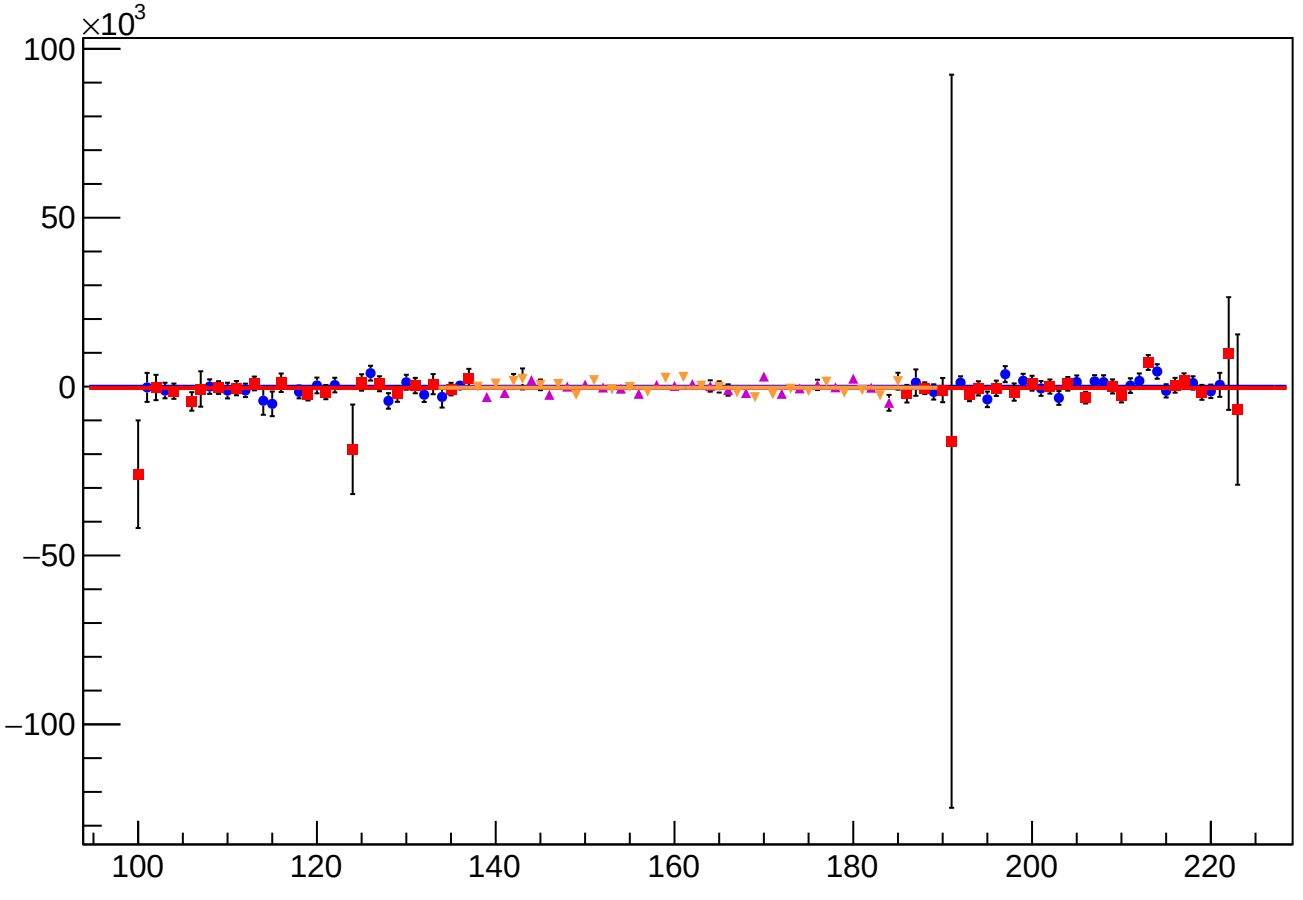
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 544.067+/-0.073 χ^2/NDF: 33880132.7/72

In: 323.779+/-0.044 χ^2/NDF:26170289.7/56

Out: 303.073+/-0.041 χ^2/NDF:30099734.7/63

All: 312.744+/-0.030 χ^2/NDF: 56386836.6/12



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

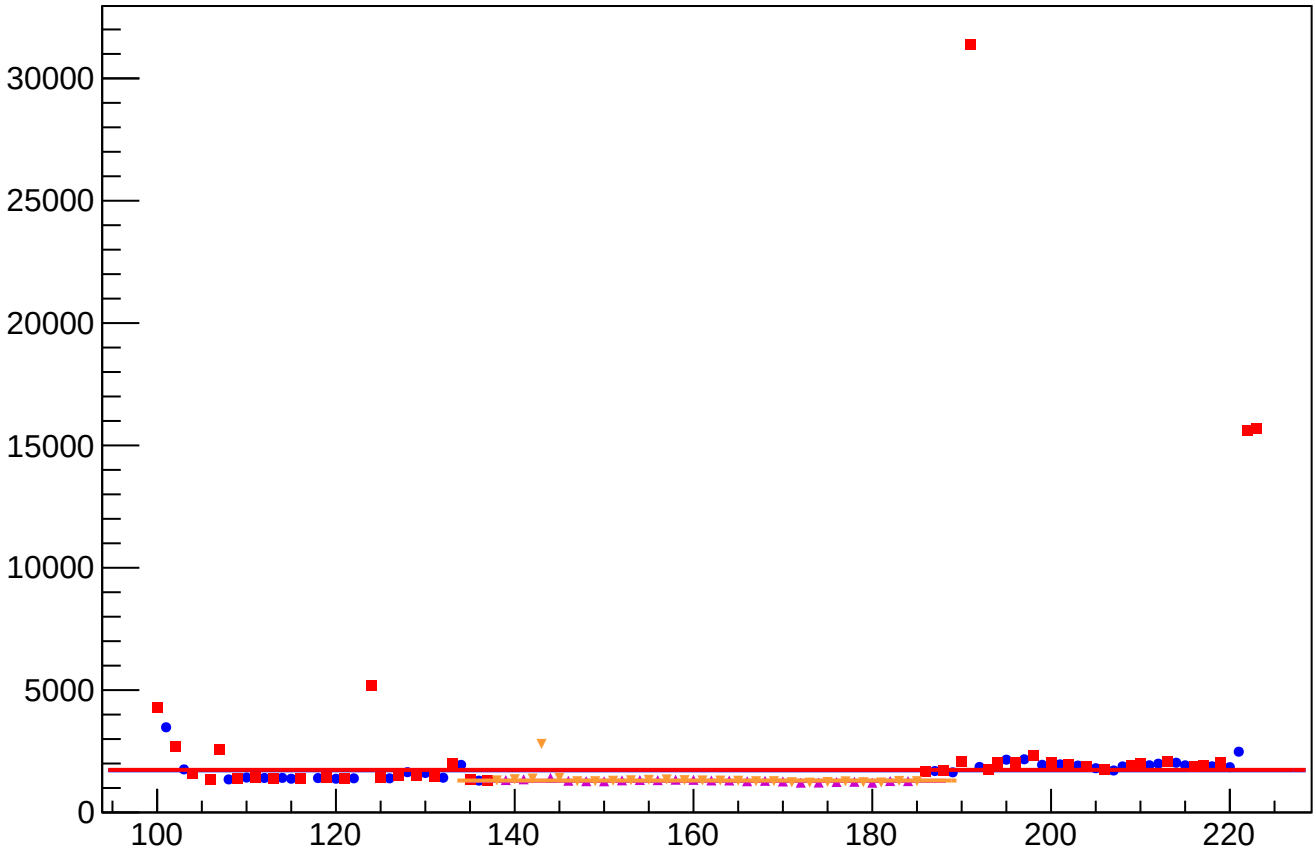
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -227.774+/-269.002 χ^2/NDF: 63.0/72

In: -236.106+/-235.803 χ^2/NDF:61.1/56

Out: -354.944+/-235.397 χ^2/NDF:63.1/63

All: -295.627+/-166.594 χ^2/NDF: 124.3/120



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

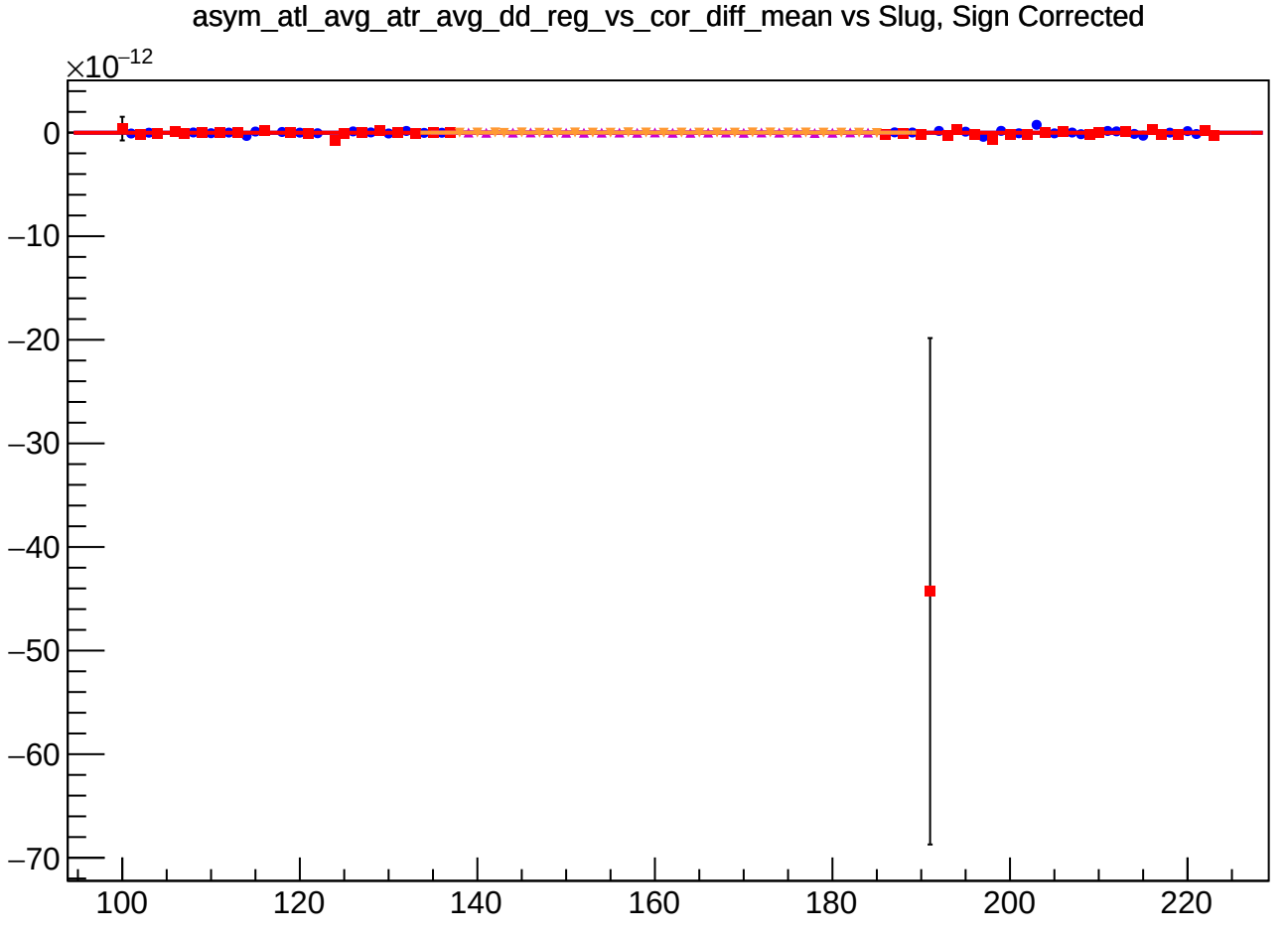
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1731.445+/-0.190 χ^2/NDF: 5146699.9/72

In: 1459.811+/-0.167 χ^2/NDF:3030274.5/56

Out: 1468.923+/-0.166 χ^2/NDF:5882416.5/63

All: 1464.375+/-0.118 χ^2/NDF: 8914186.7/12



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.4/38

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

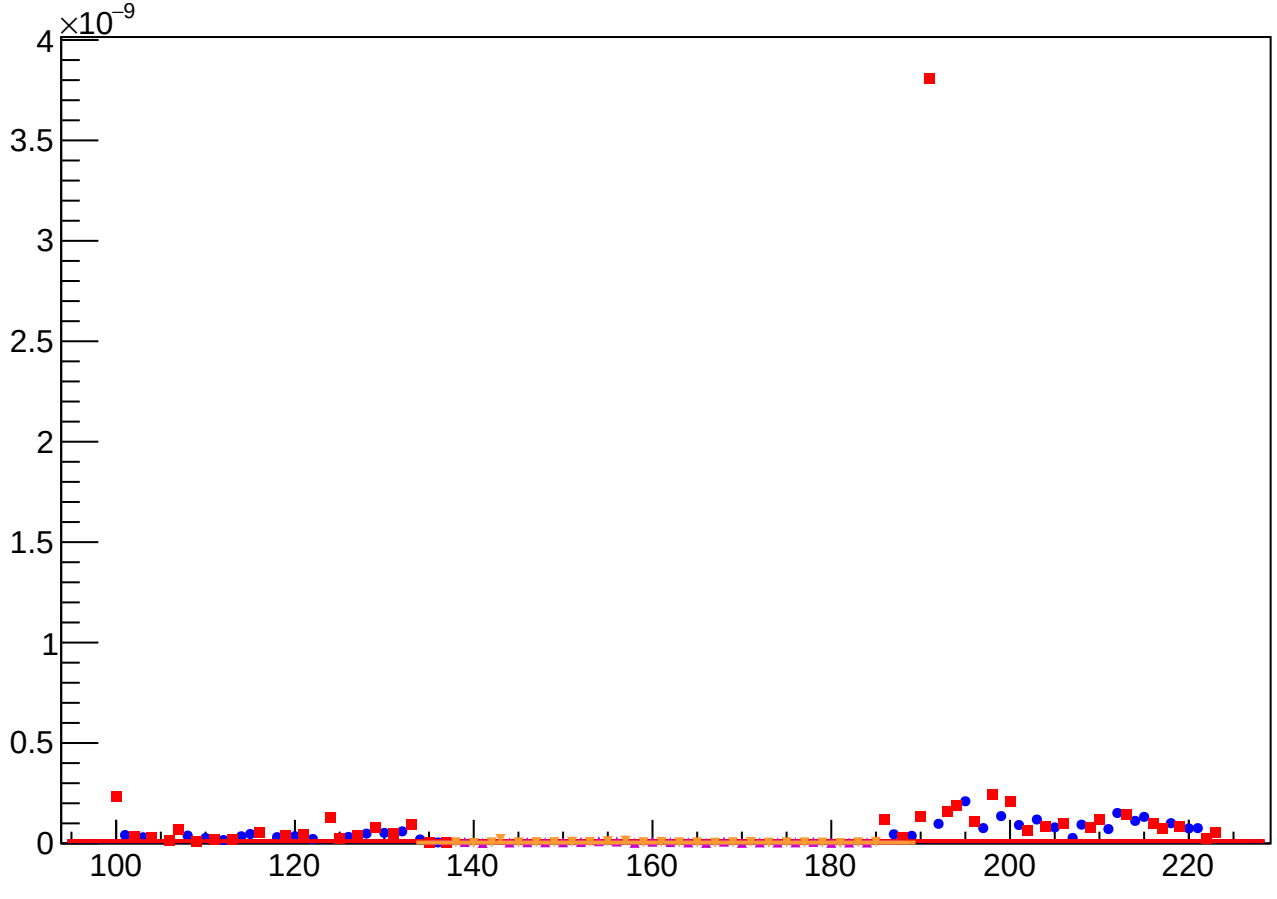
Right: -0.000+/-0.000 χ^2/NDF: 87.6/72

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: -0.000+/-0.000 χ^2/NDF:78.3/63

All: -0.000+/-0.000 χ^2/NDF: 146.4/120

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

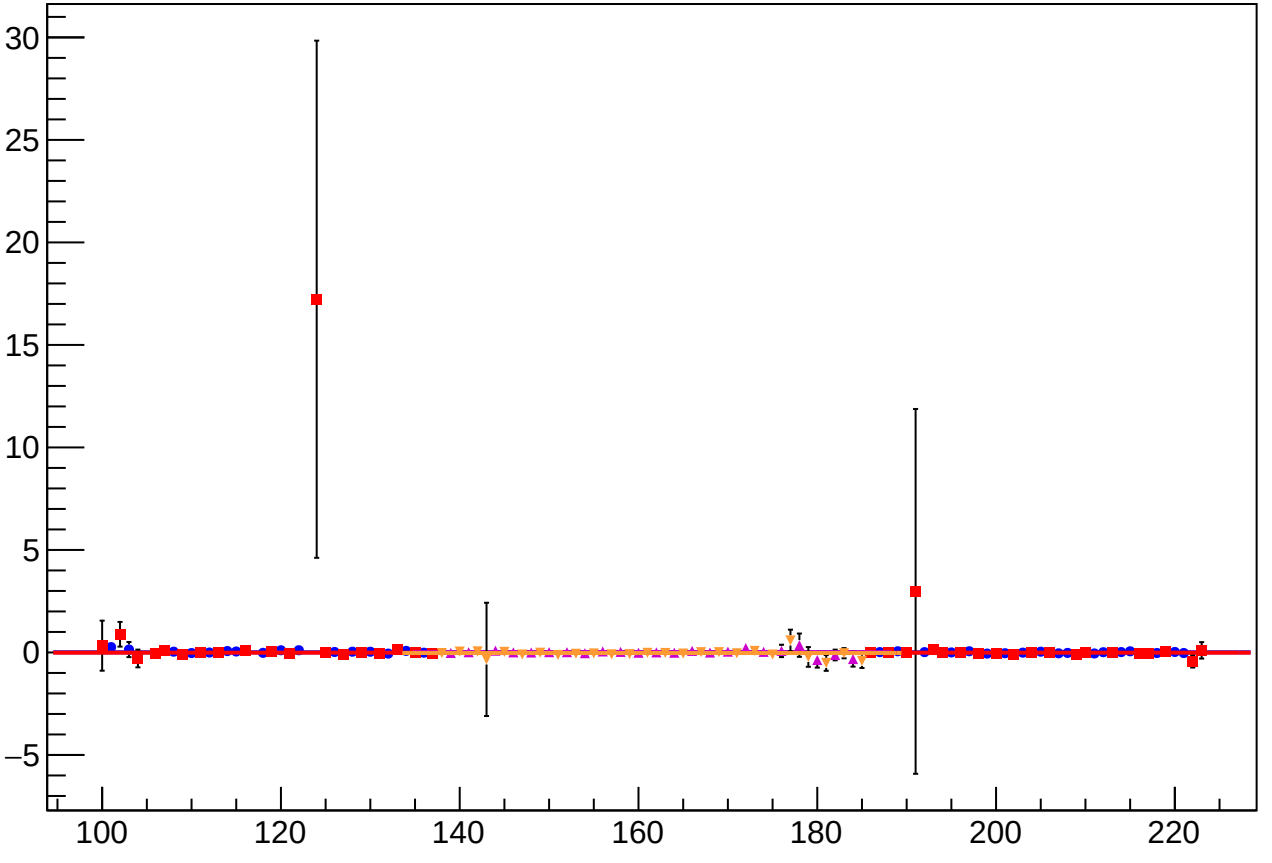
Right: 0.000+/-0.000 χ^2/NDF: 24396359.5/72

In: 0.000+/-0.000 χ^2/NDF:14894856.6/56

Out: 0.000+/-0.000 χ^2/NDF:17150477.1/63

All: 0.000+/-0.000 χ^2/NDF: 32076571.3/120

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

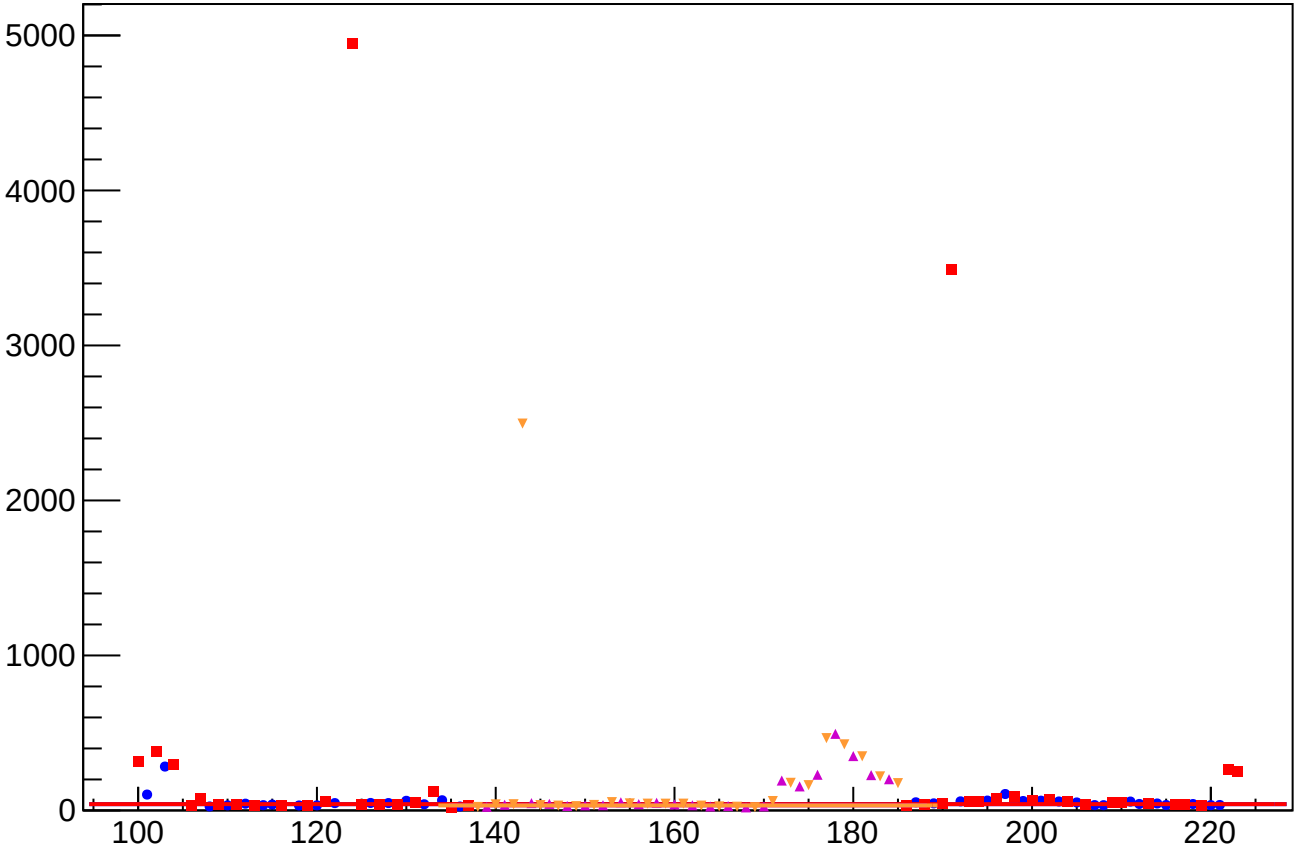
Right: -0.001+/-0.007 χ^2/NDF: 54.2/72

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.7/63

All: -0.005+/-0.005 χ^2/NDF: 104.3/120

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

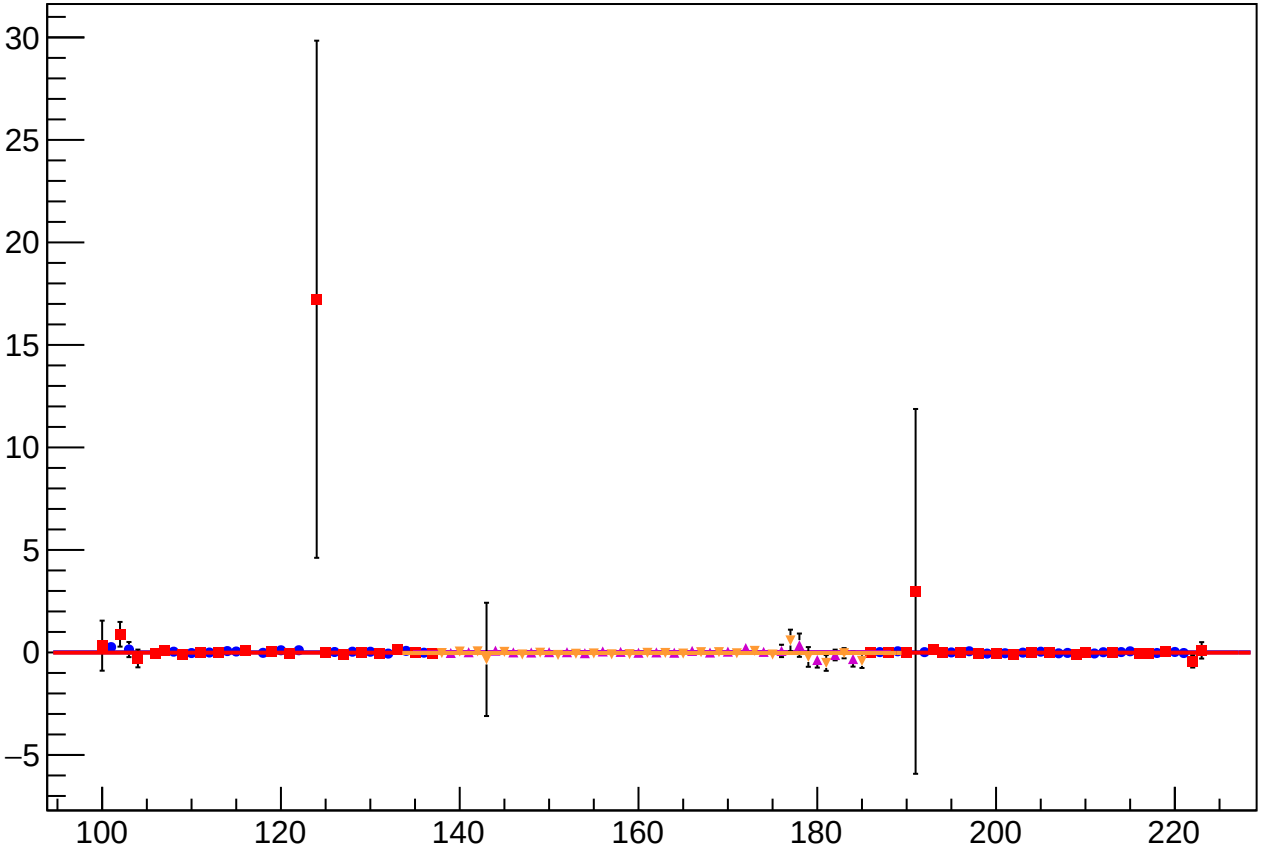
Right: 40.686+/-0.005 χ^2/NDF: 11679570.8/72

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.450+/-0.005 χ^2/NDF:18865306.4/63

All: 36.483+/-0.003 χ^2/NDF: 32880679.2/120

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

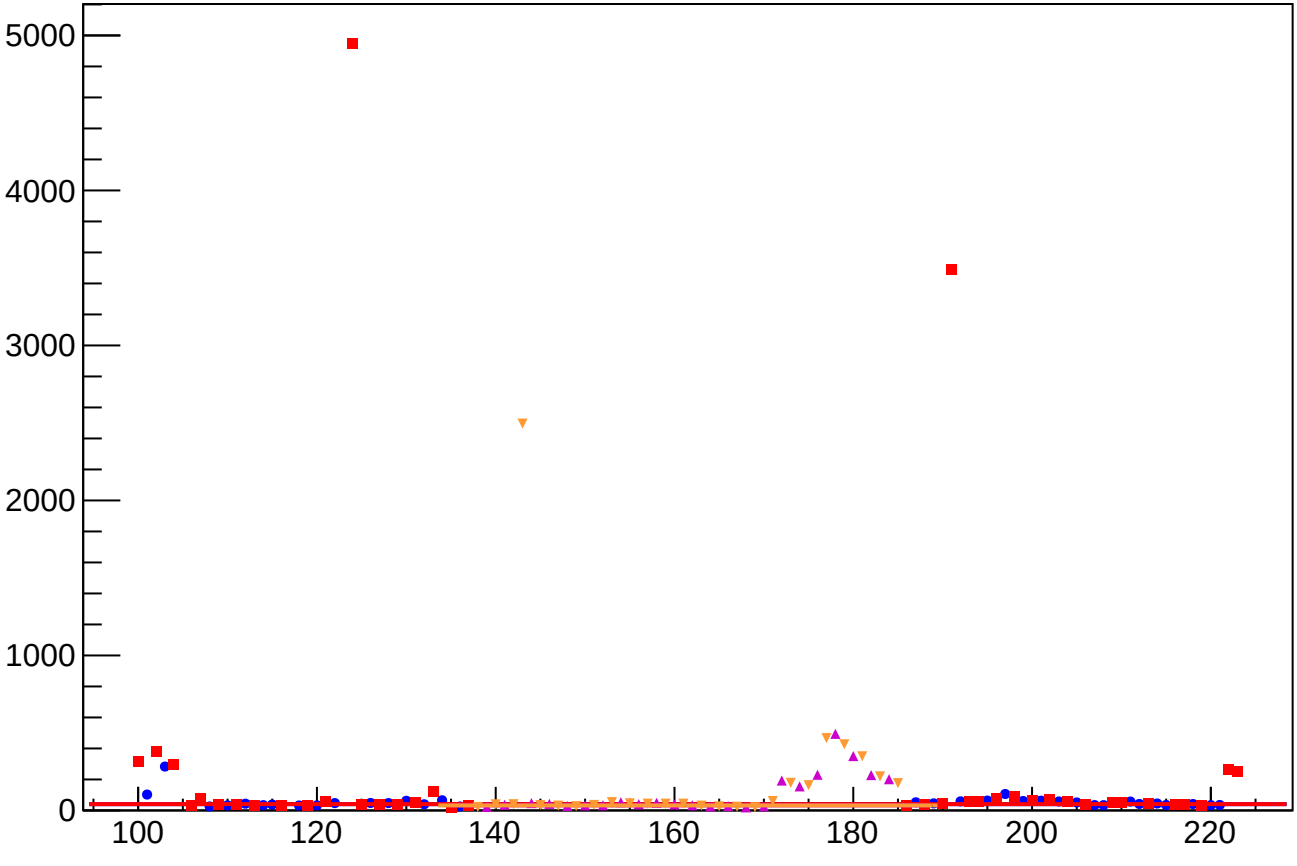
Right: -0.001+/-0.007 χ^2/NDF: 54.2/72

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.7/63

All: -0.005+/-0.005 χ^2/NDF: 104.3/120

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

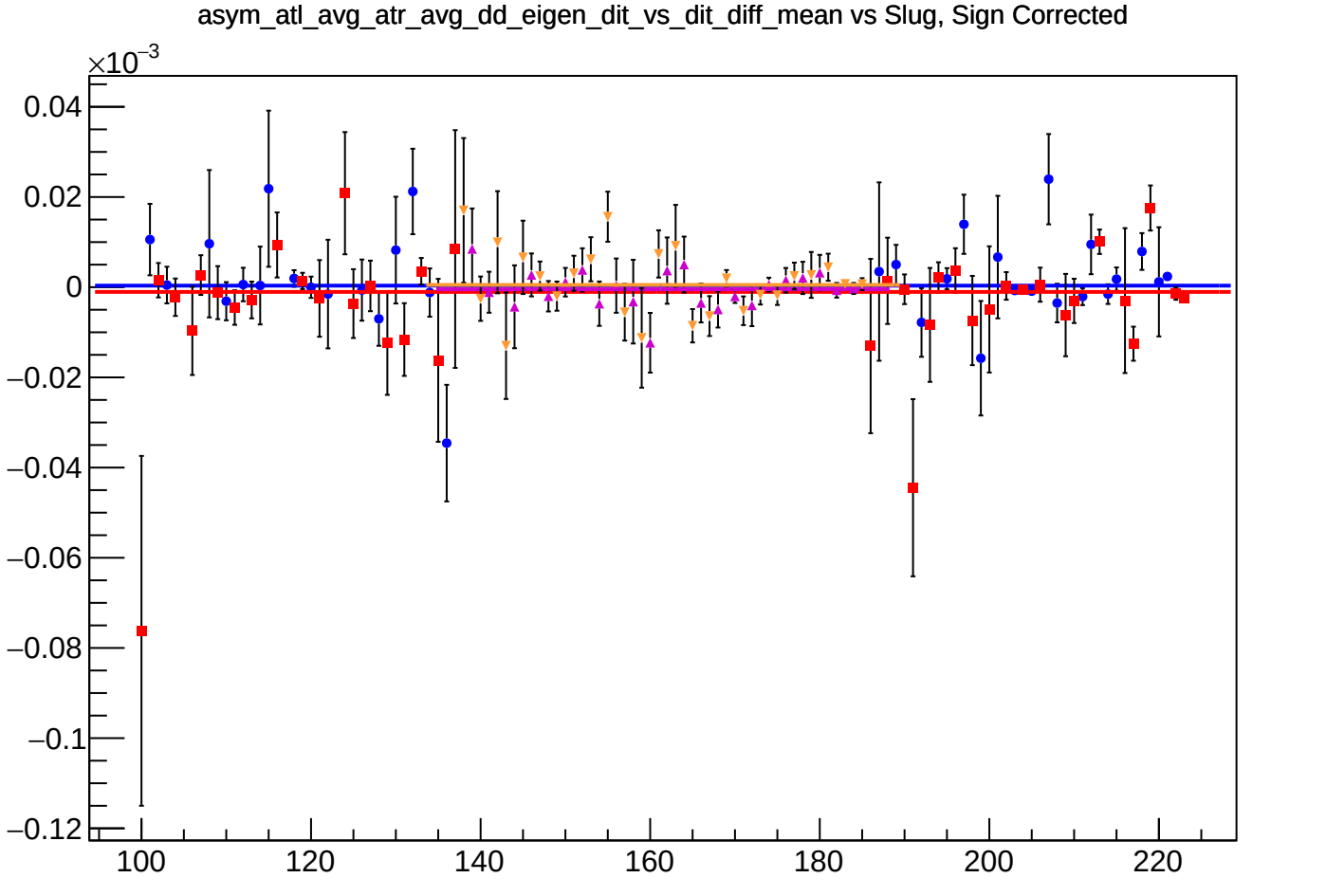
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.686+/-0.005 χ^2/NDF: 11679570.8/72

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.450+/-0.005 χ^2/NDF:18865306.4/63

All: 36.483+/-0.003 χ^2/NDF: 32880679.2/120



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

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

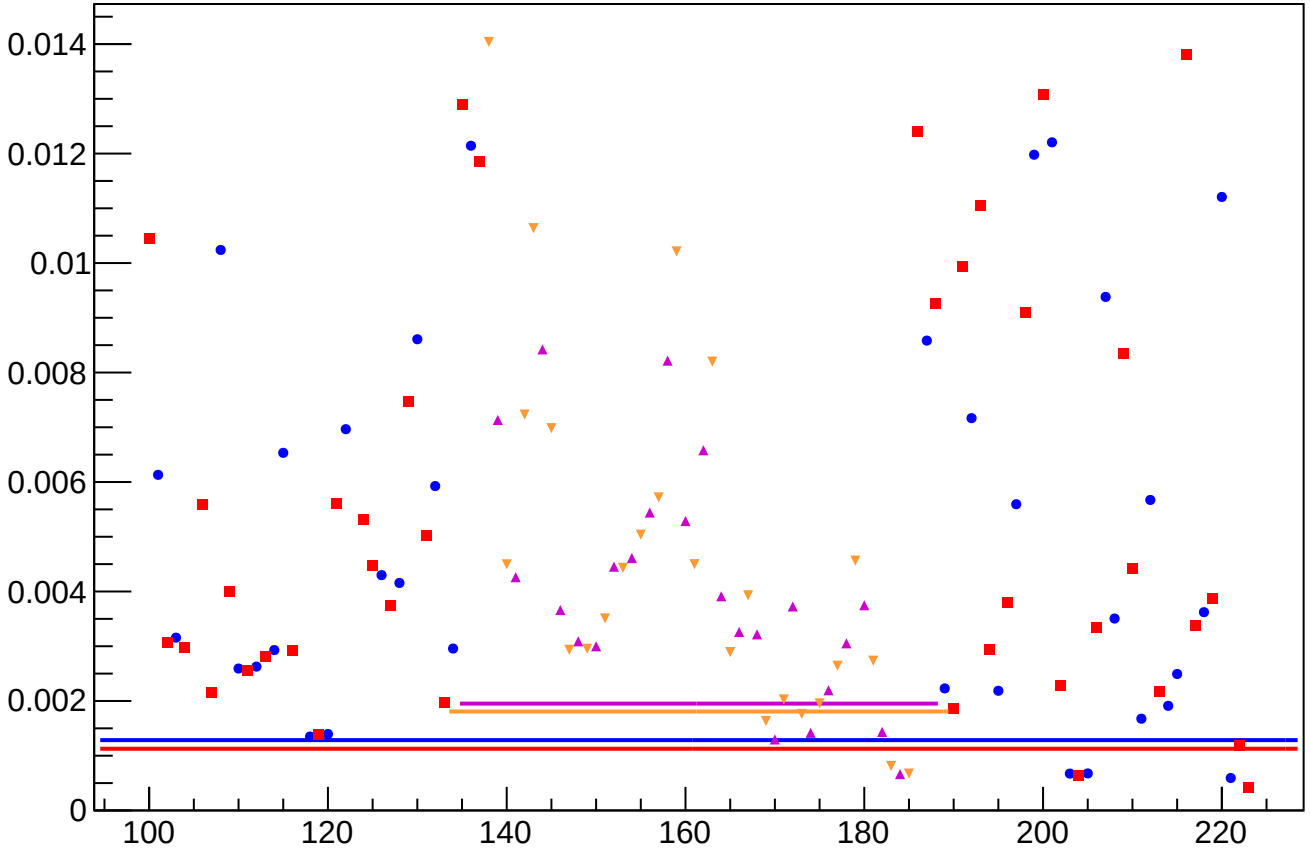
Right: -0.000+/-0.000 χ^2/NDF: 130.7/72

In: 0.000+/-0.000 χ^2/NDF:65.4/56

Out: -0.000+/-0.000 χ^2/NDF:115.3/63

All: -0.000+/-0.000 χ^2/NDF: 182.4/120

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

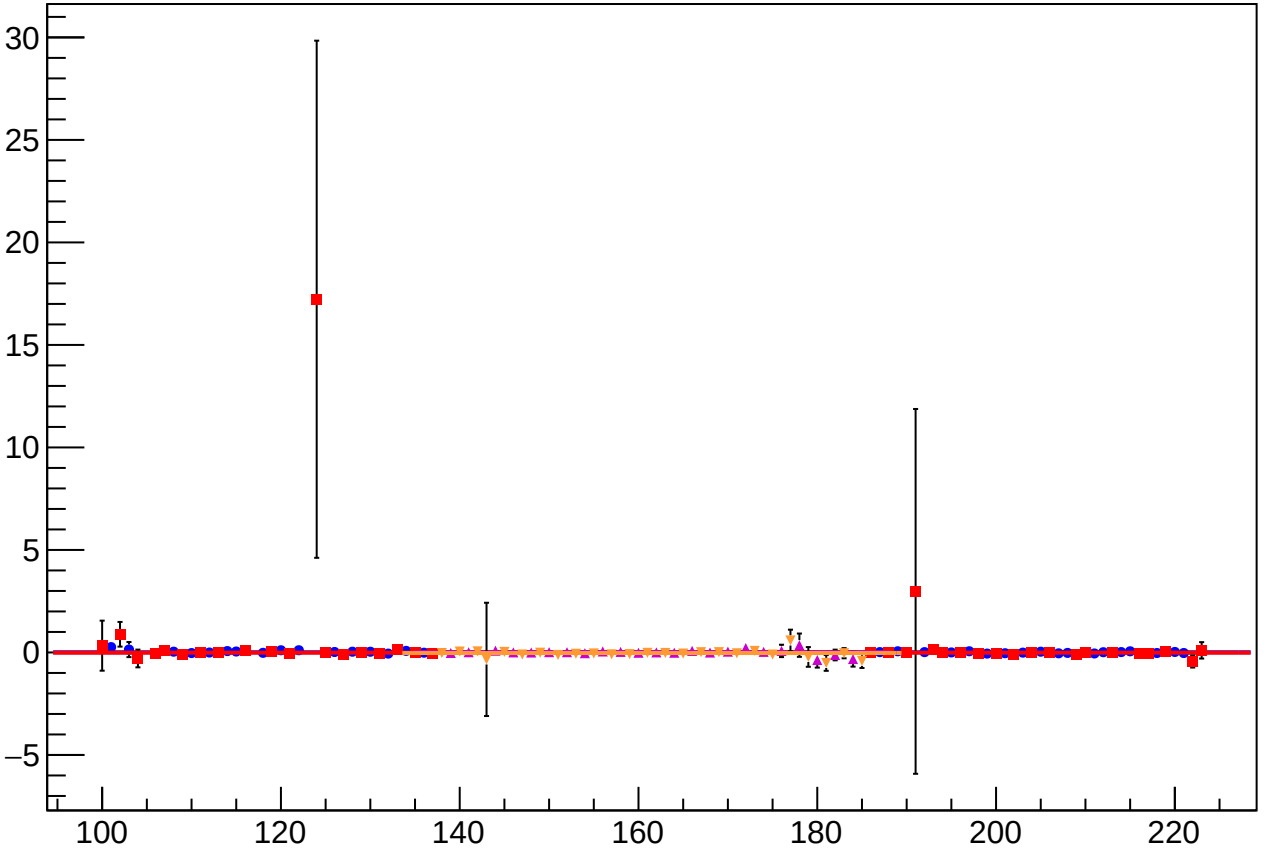
Right: 0.001+/-0.000 χ^2/NDF: 44945252.4/72

In: 0.002+/-0.000 χ^2/NDF:33673137.3/56

Out: 0.001+/-0.000 χ^2/NDF:41313859.7/63

All: 0.001+/-0.000 χ^2/NDF: 75223275.3/120

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

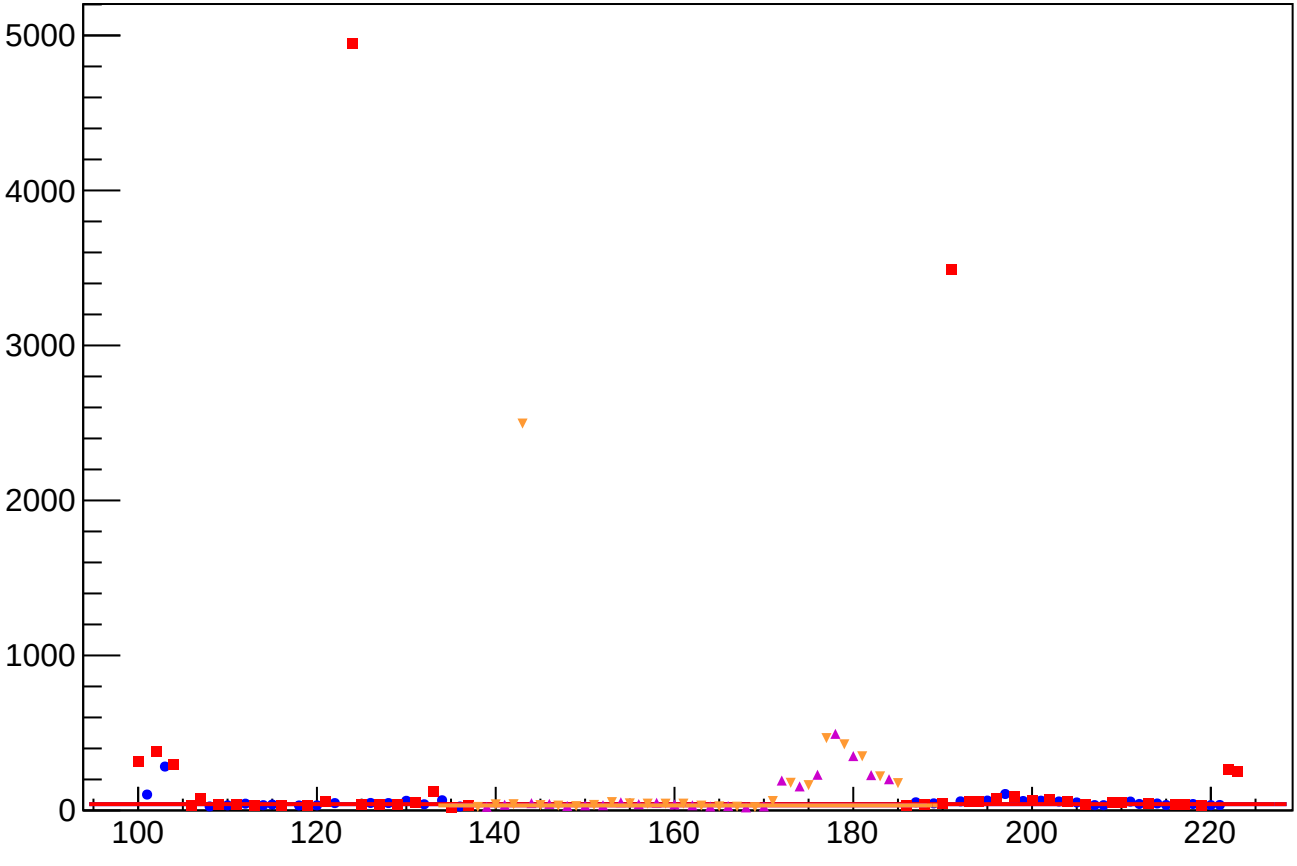
Right: -0.001+/-0.007 χ^2/NDF: 54.2/72

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.7/63

All: -0.005+/-0.005 χ^2/NDF: 104.3/120

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

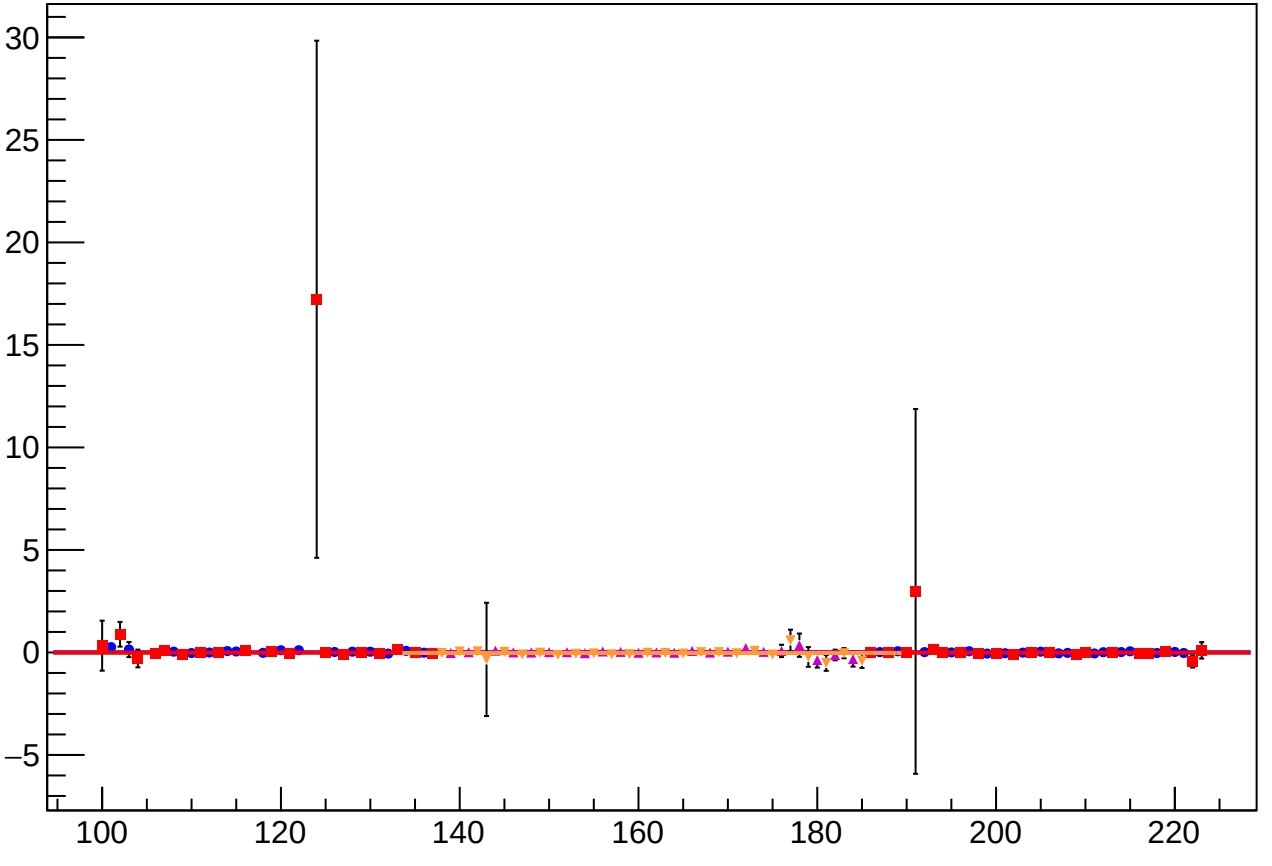
Right: 40.686+/-0.005 χ^2/NDF: 11678941.6/72

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.450+/-0.005 χ^2/NDF:18865377.4/63

All: 36.483+/-0.003 χ^2/NDF: 32881269.2/120

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

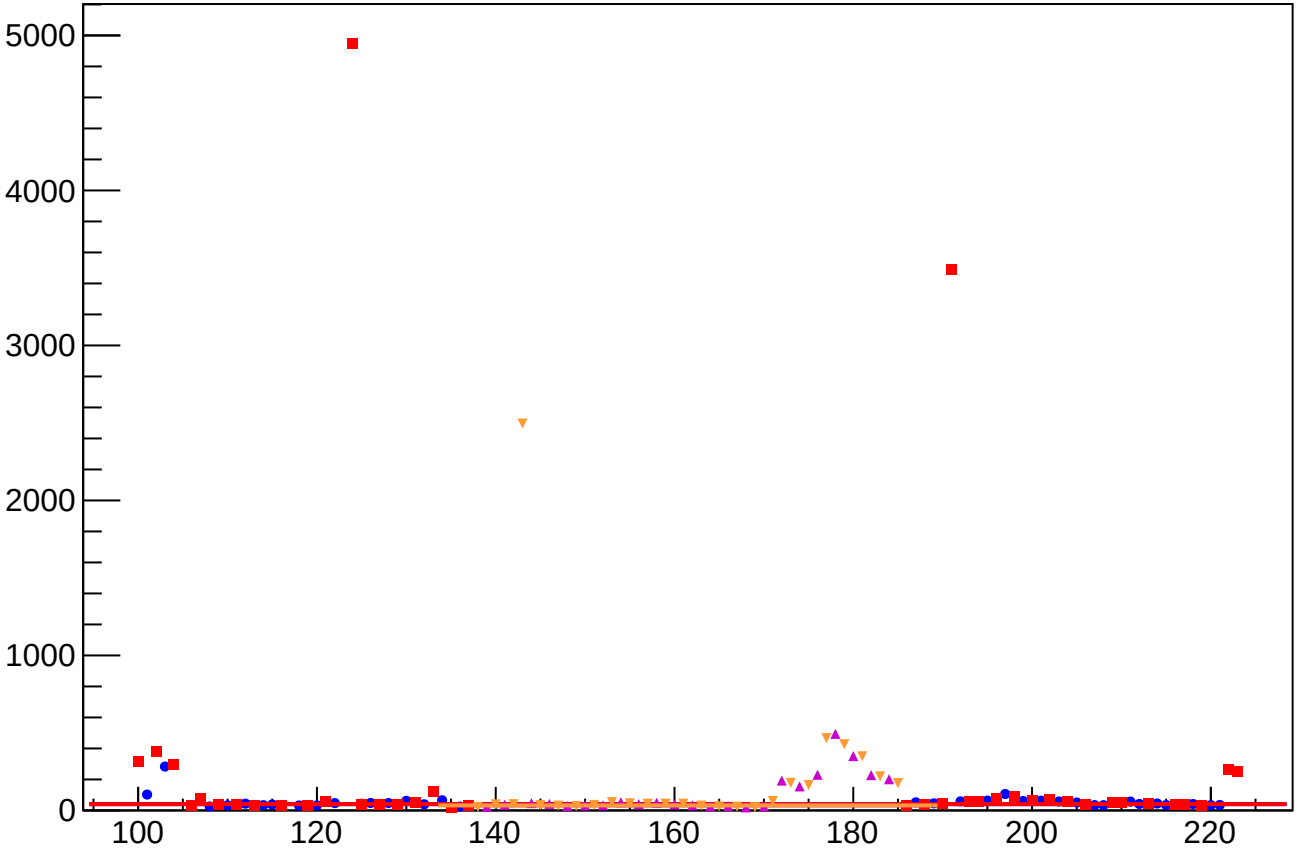
Right: -0.001+/-0.007 χ^2/NDF: 54.2/72

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.7/63

All: -0.005+/-0.005 χ^2/NDF: 104.3/120

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

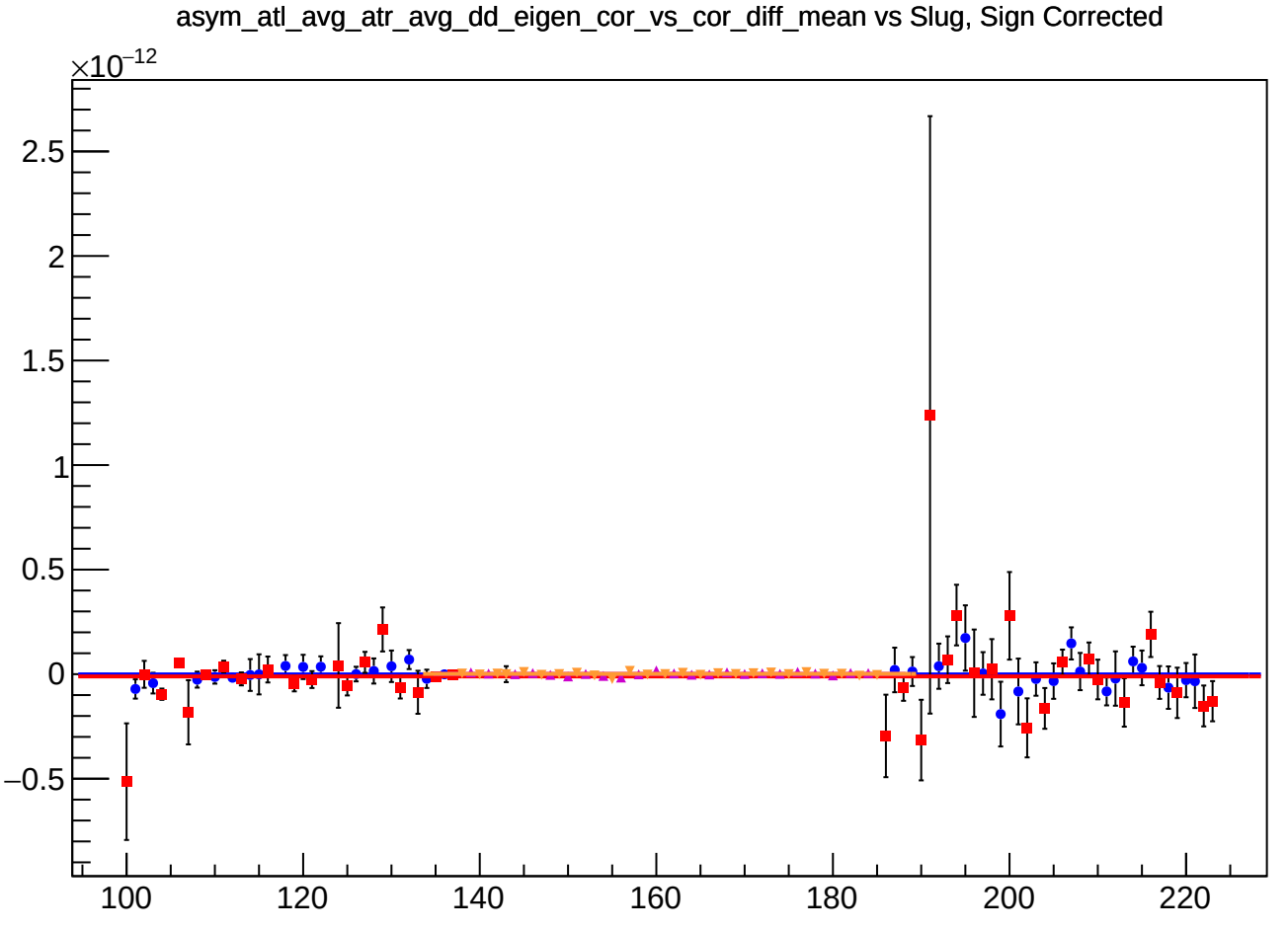
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.686+/-0.005 χ^2/NDF: 11678941.6/72

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.450+/-0.005 χ^2/NDF:18865377.4/63

All: 36.483+/-0.003 χ^2/NDF: 32881269.2/120



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

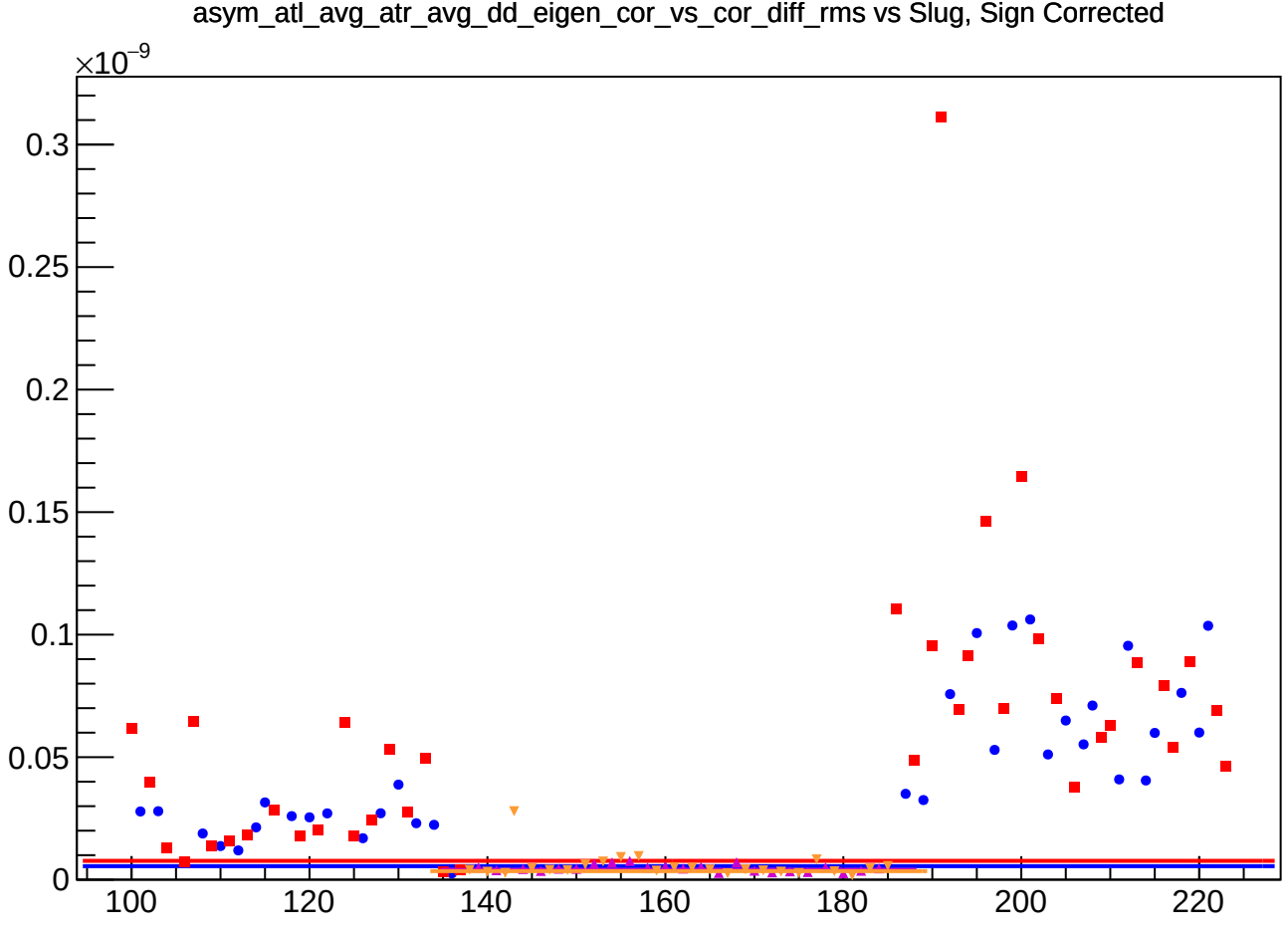
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 91.2/72

In: 0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:95.5/63

All: 0.000+/-0.000 χ^2/NDF: 143.5/120



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

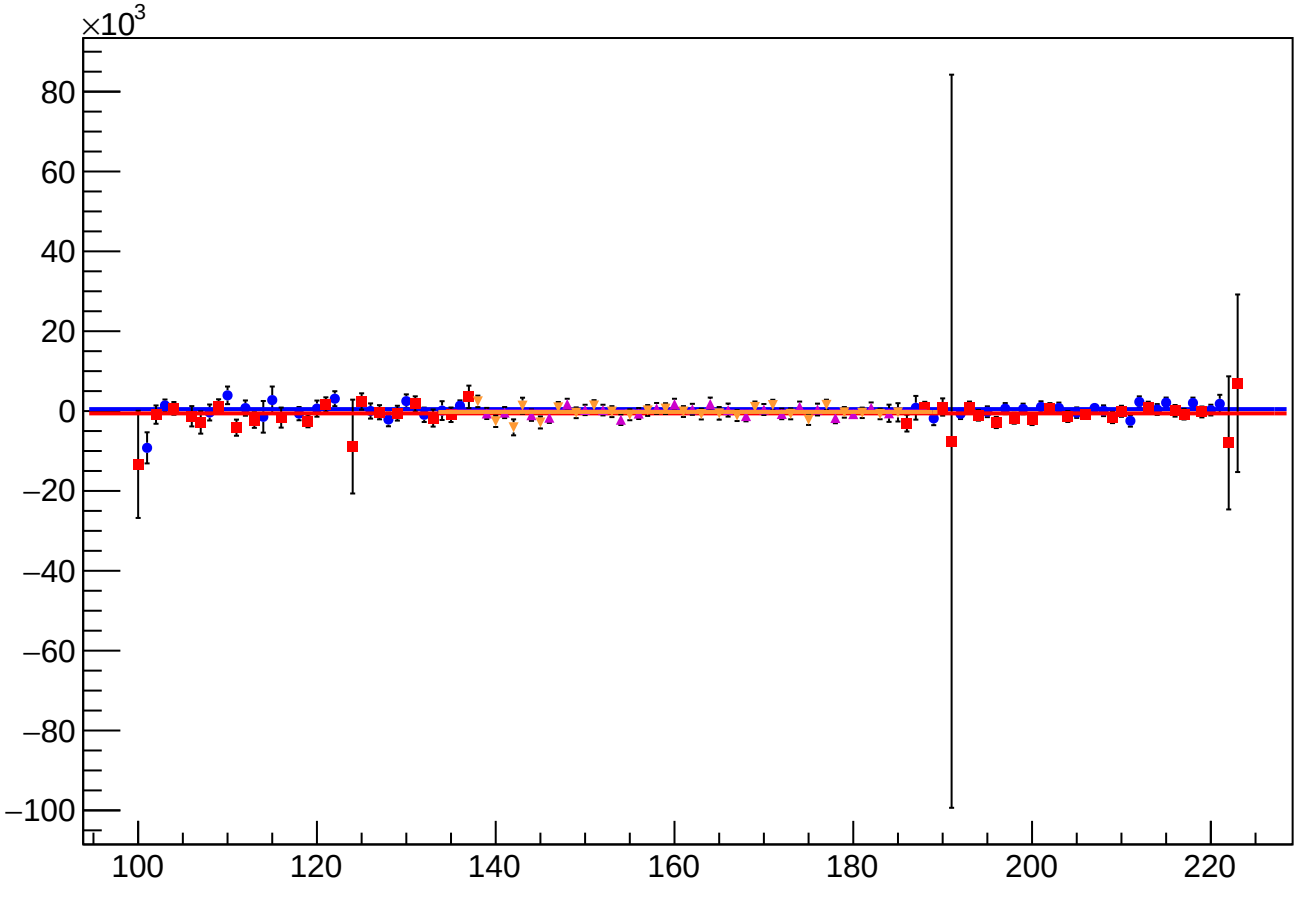
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 38309647.2/72

In: 0.000+/-0.000 χ^2/NDF:21388607.1/56

Out: 0.000+/-0.000 χ^2/NDF:25679348.0/63

All: 0.000+/-0.000 χ^2/NDF: 47197722.0/120



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

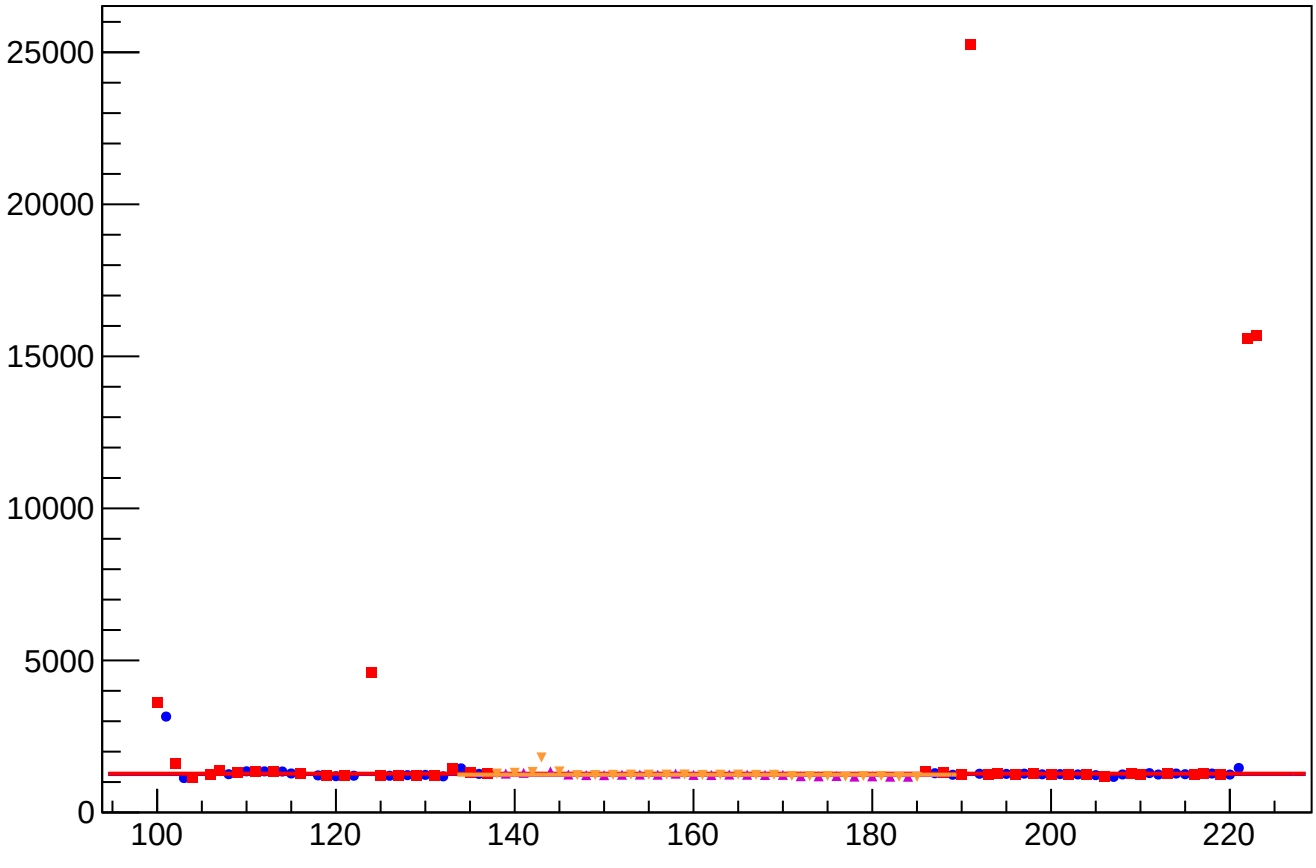
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -36.090+/-195.127 χ^2/NDF: 67.6/72

In: 214.755+/-198.727 χ^2/NDF:46.8/56

Out: -402.669+/-198.175 χ^2/NDF:54.8/63

All: -94.816+/-140.326 χ^2/NDF: 106.5/120



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

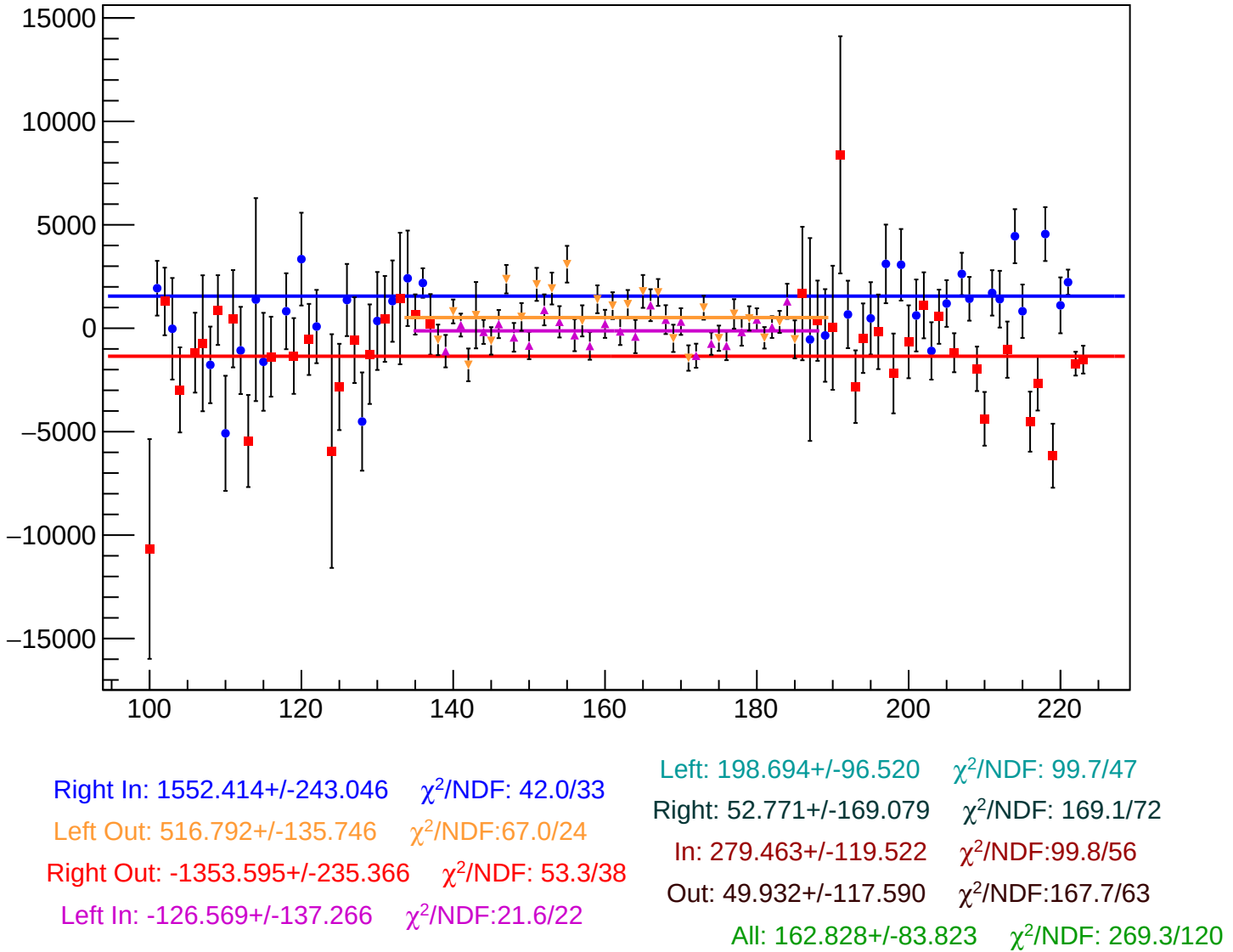
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

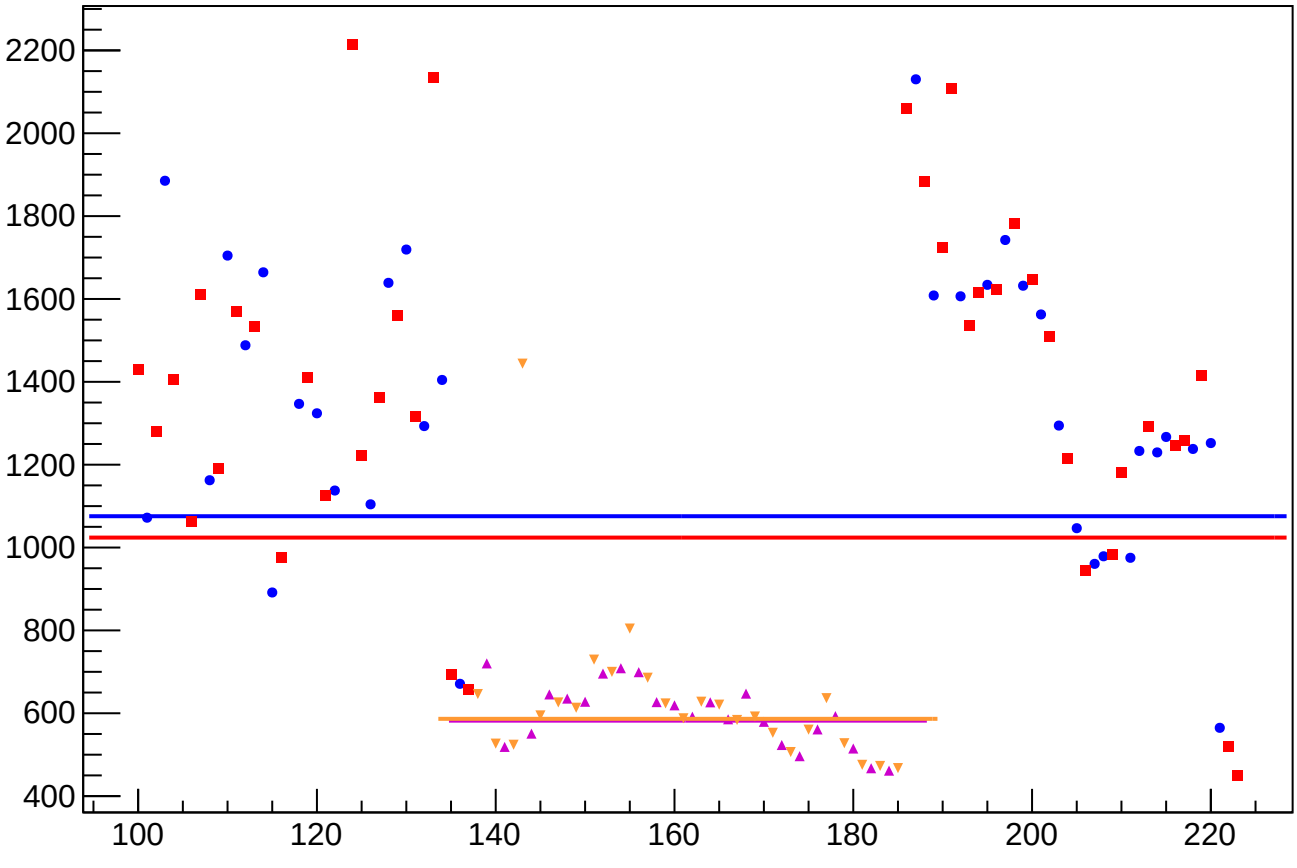
Right: 1269.382+/-0.138 χ^2/NDF: 3358648.1/72

In: 1249.172+/-0.141 χ^2/NDF:602233.4/56

Out: 1259.617+/-0.140 χ^2/NDF:3021624.8/63

All: 1254.409+/-0.099 χ^2/NDF: 3626628.8/12


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1552.414+/-243.046 χ²/NDF: 42.0/33
Left Out: 516.792+/-135.746 χ²/NDF:67.0/24
Right Out: -1353.595+/-235.366 χ²/NDF: 53.3/38
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 52.771+/-169.079 χ²/NDF: 169.1/72
In: 279.463+/-119.522 χ²/NDF:99.8/56
Out: 49.932+/-117.590 χ²/NDF:167.7/63
All: 162.828+/-83.823 χ²/NDF: 269.3/120



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

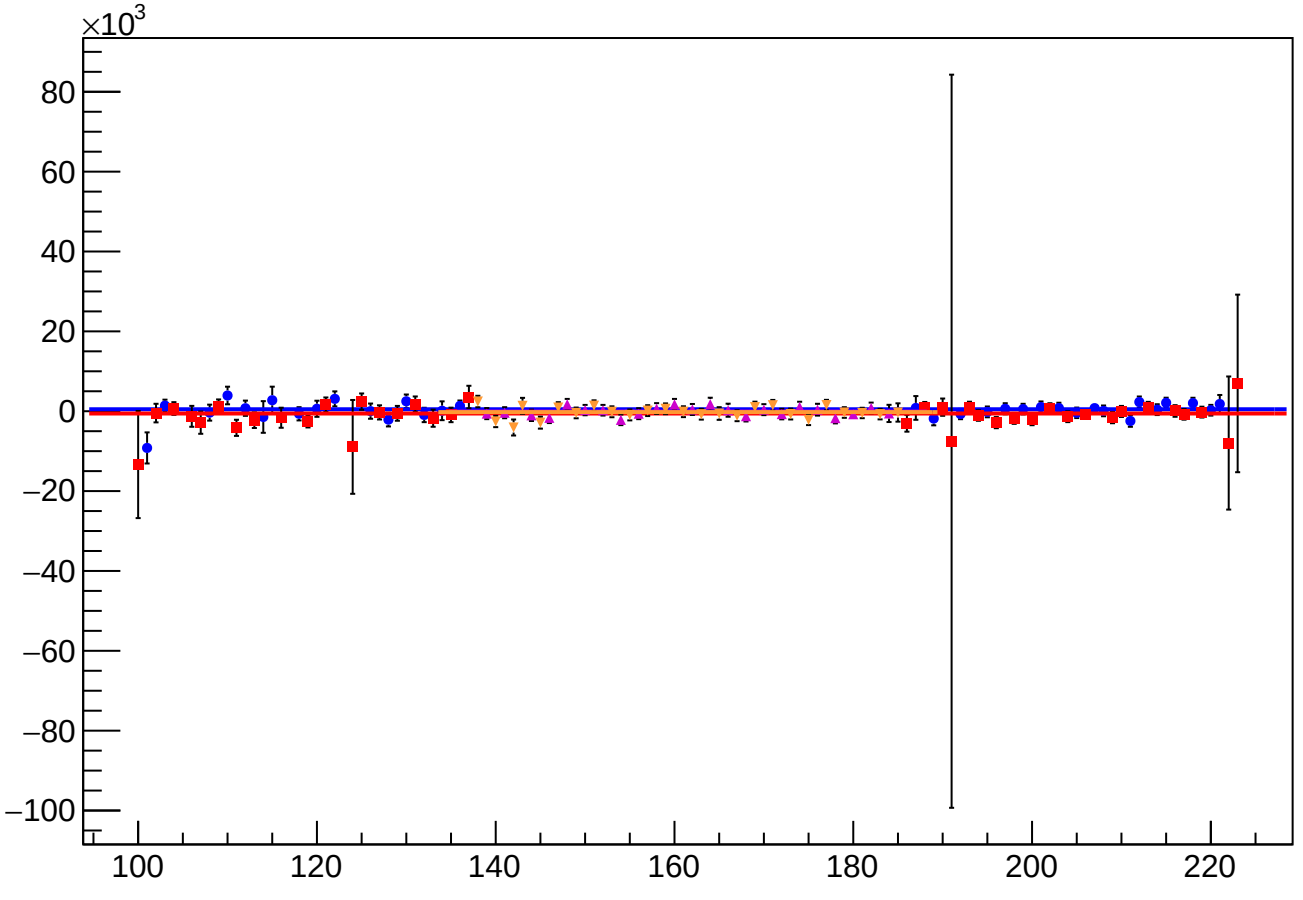
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1049.001+/-0.120 χ^2/NDF: 11421881.6/72

In: 701.518+/-0.085 χ^2/NDF:11201124.2/56

Out: 695.755+/-0.083 χ^2/NDF:13371223.0/63

All: 698.589+/-0.059 χ^2/NDF: 24574710.0/12



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

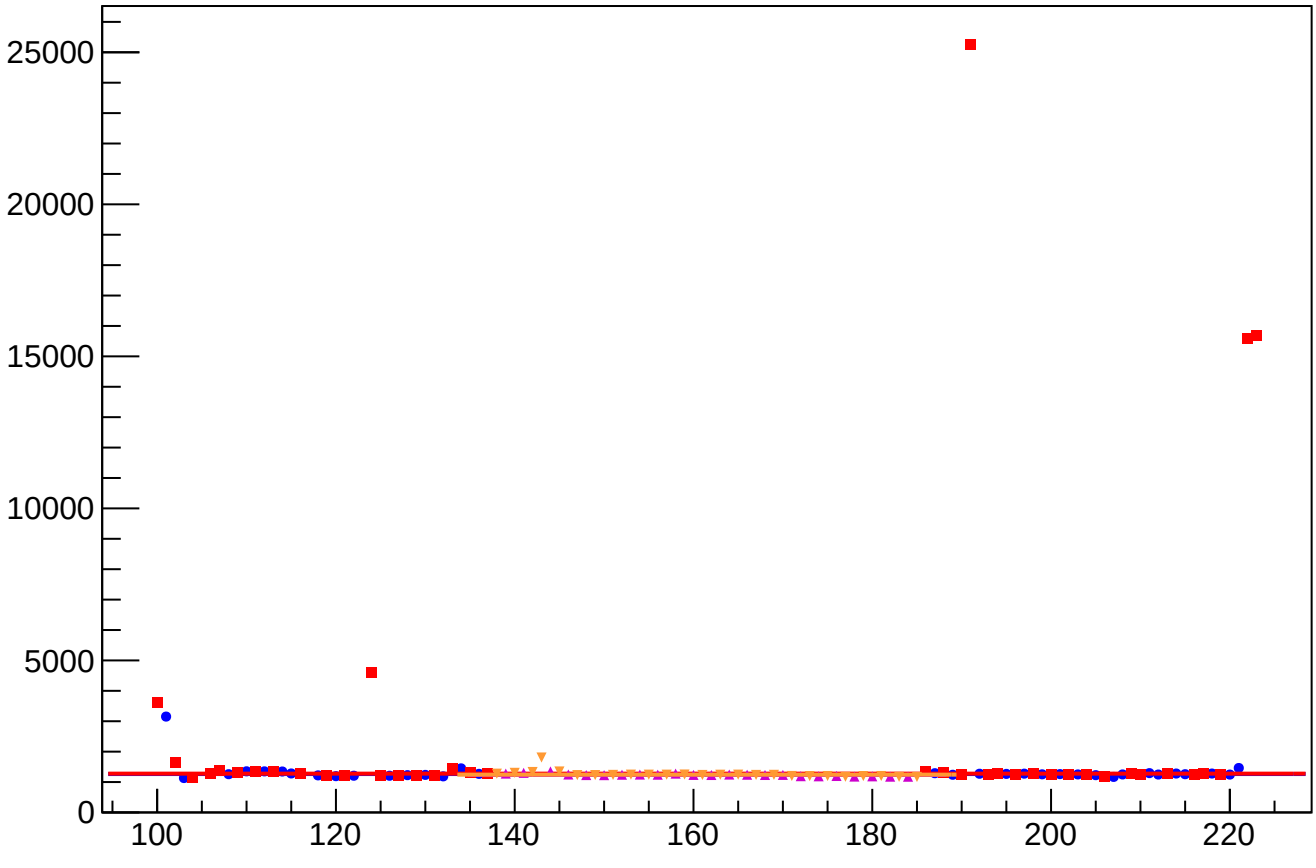
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -32.358+/-195.182 χ^2/NDF: 67.5/72

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -399.139+/-198.232 χ^2/NDF:54.8/63

All: -92.928+/-140.346 χ^2/NDF: 106.4/120



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

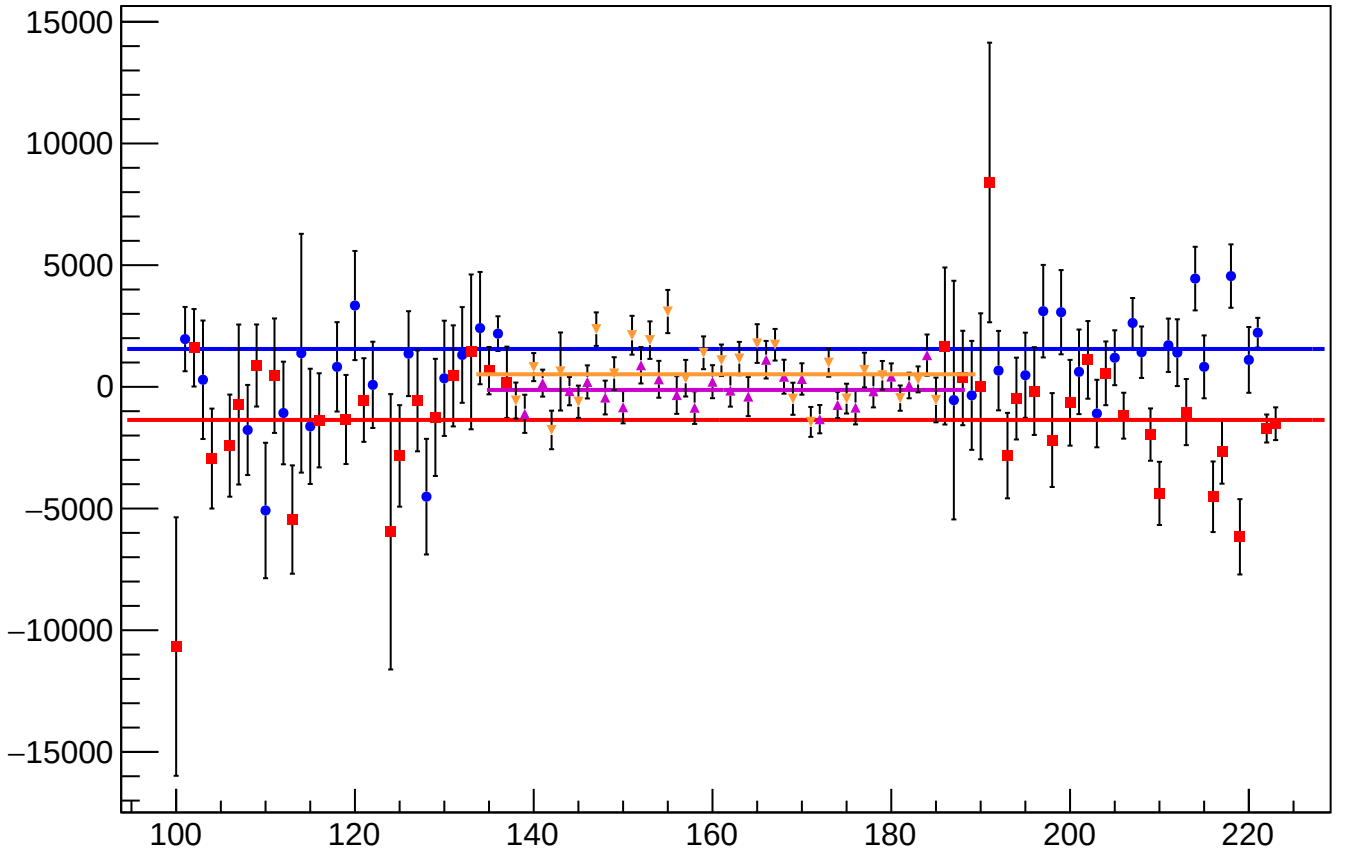
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1269.751+/-0.138 χ^2/NDF: 3365852.1/72

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1259.993+/-0.140 χ^2/NDF:3029203.0/63

All: 1254.596+/-0.099 χ^2/NDF: 3634410.1/12



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

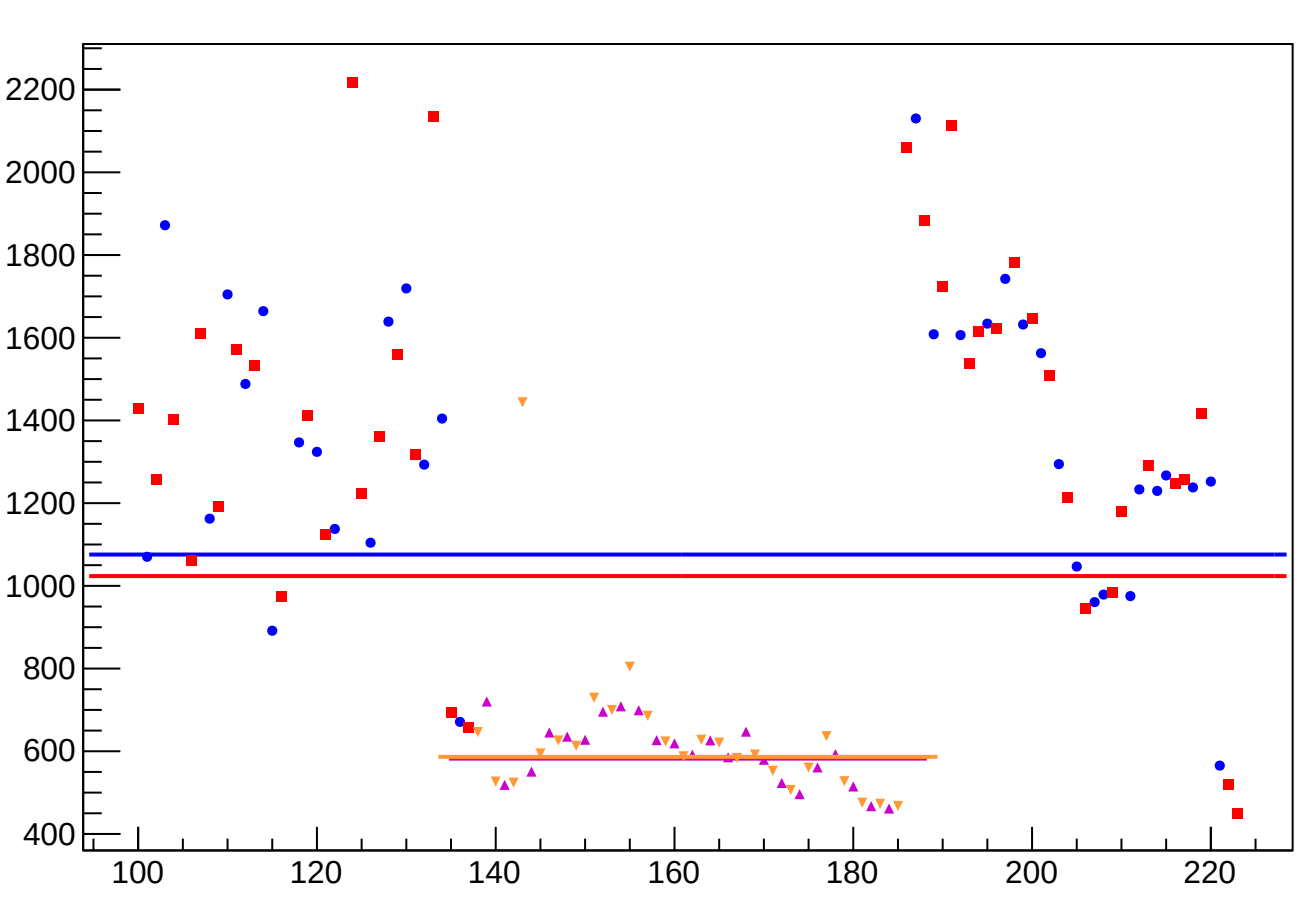
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 52.550+/-169.119 χ^2/NDF: 170.4/72

In: 280.398+/-119.520 χ^2/NDF:99.8/56

Out: 48.938+/-117.606 χ^2/NDF:169.0/63

All: 162.799+/-83.828 χ^2/NDF: 270.7/120



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

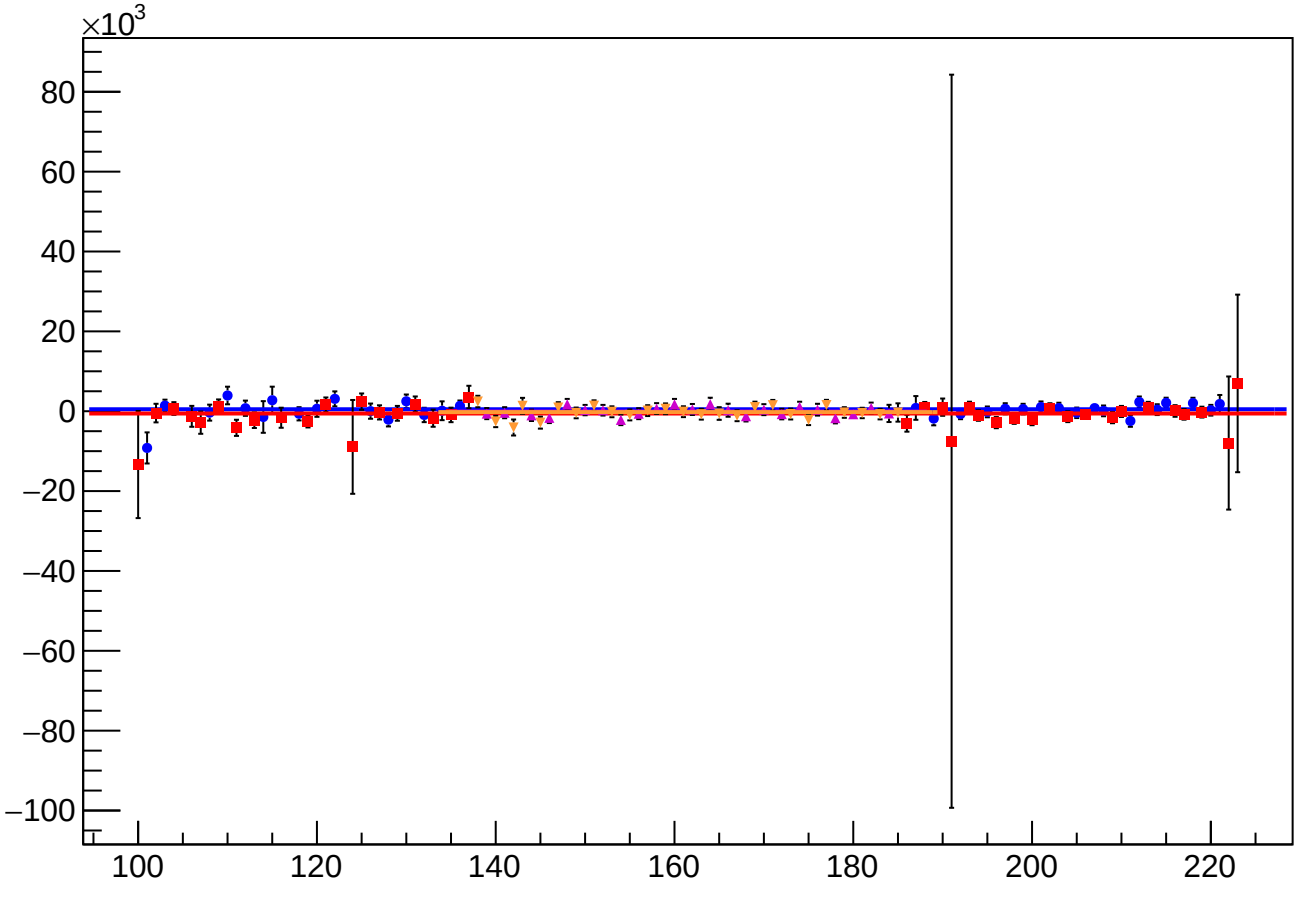
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1048.842+/-0.120 χ^2/NDF: 11412248.9/72

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 695.570+/-0.083 χ^2/NDF:13353841.9/63

All: 698.511+/-0.059 χ^2/NDF: 24553035.7/12



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

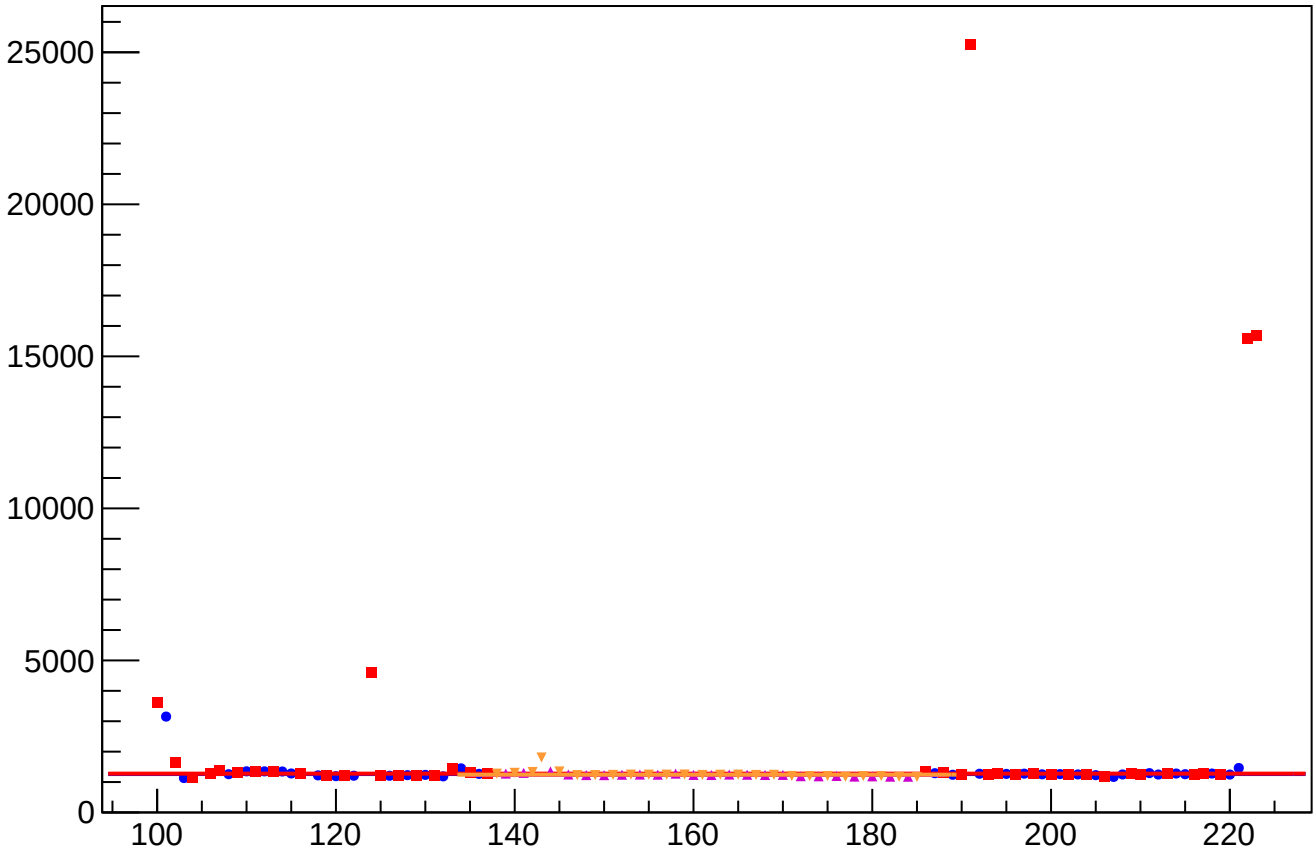
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -32.358+/-195.182 χ^2/NDF: 67.5/72

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -399.139+/-198.232 χ^2/NDF:54.8/63

All: -92.928+/-140.346 χ^2/NDF: 106.4/120



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

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

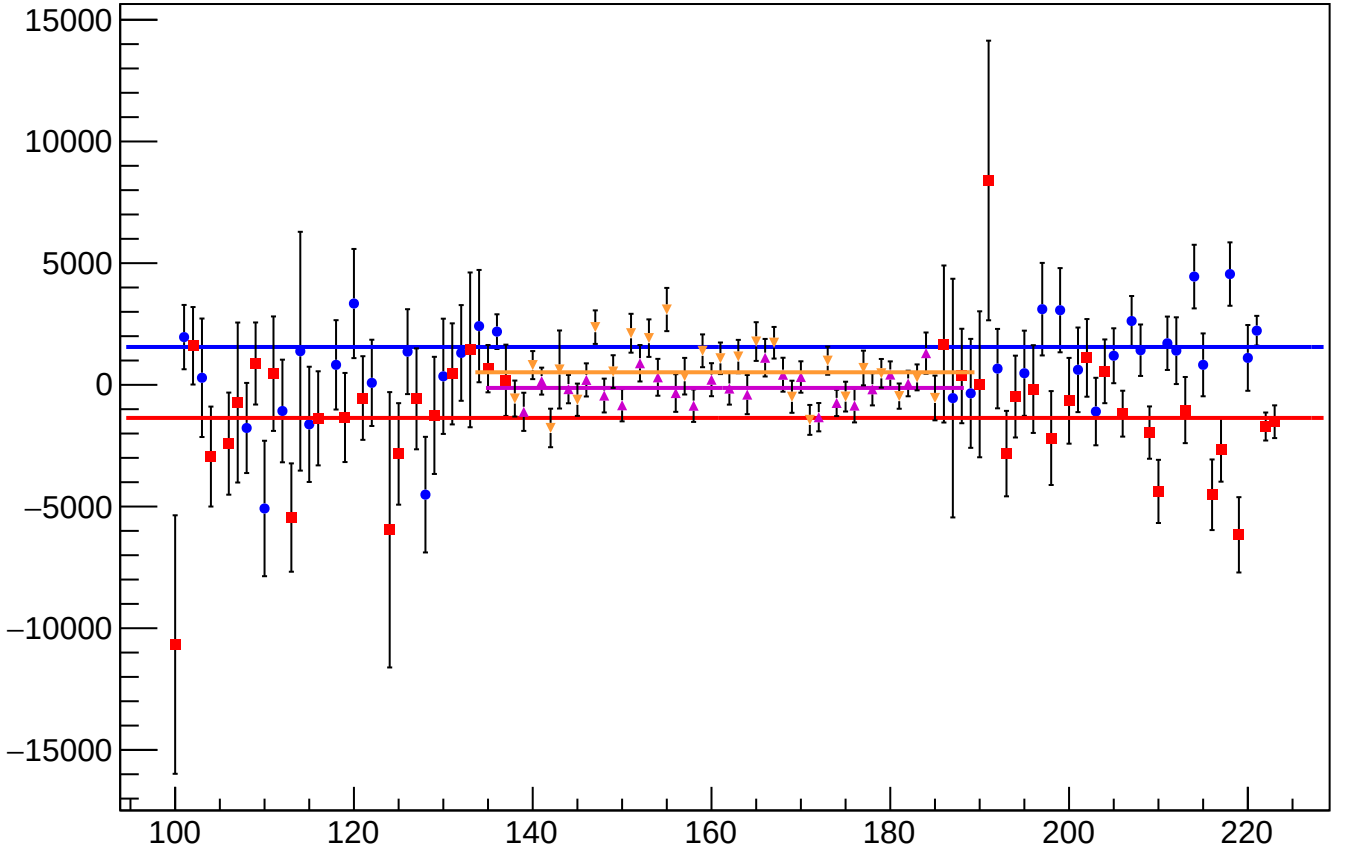
Right: 1269.751+/-0.138 χ^2/NDF: 3365852.1/72

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1259.993+/-0.140 χ^2/NDF:3029203.0/63

All: 1254.596+/-0.099 χ^2/NDF: 3634410.1/12

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

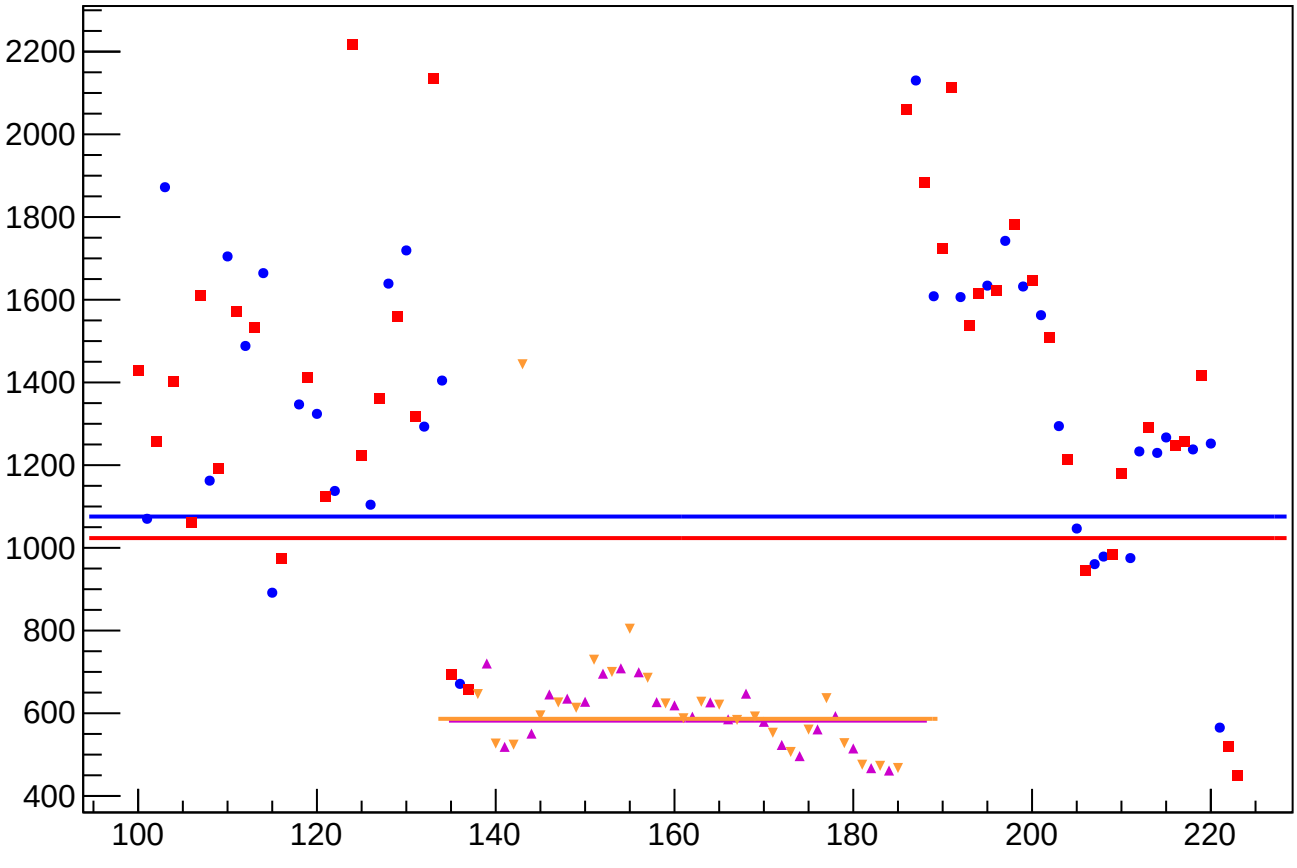
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 52.550+/-169.119 χ^2/NDF: 170.4/72

In: 280.398+/-119.520 χ^2/NDF:99.8/56

Out: 48.938+/-117.606 χ^2/NDF:169.0/63

All: 162.799+/-83.828 χ^2/NDF: 270.7/120



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

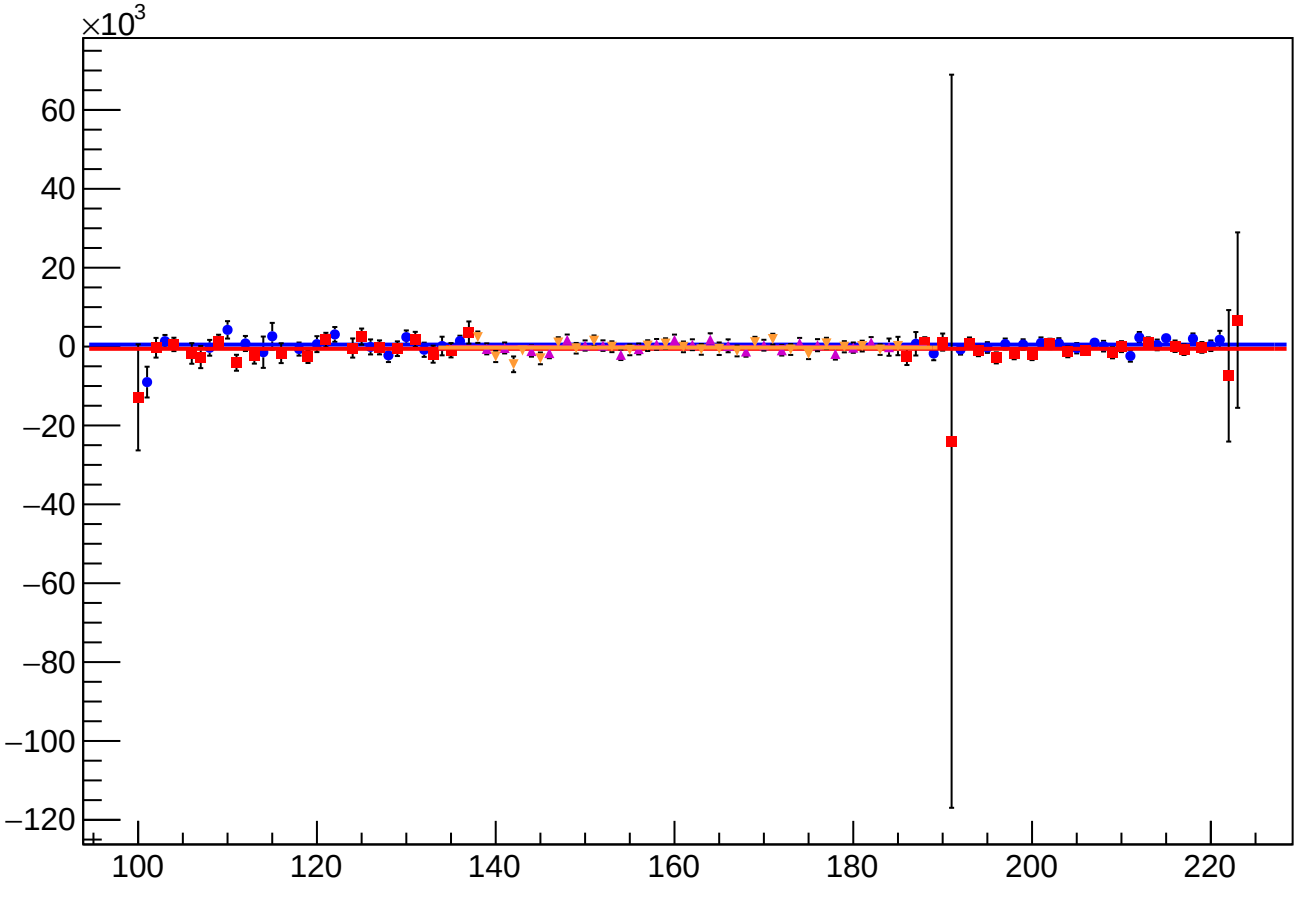
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1048.842+/-0.120 χ^2/NDF: 11412248.9/72

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 695.570+/-0.083 χ^2/NDF:13353841.9/63

All: 698.511+/-0.059 χ^2/NDF: 24553035.7/12



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

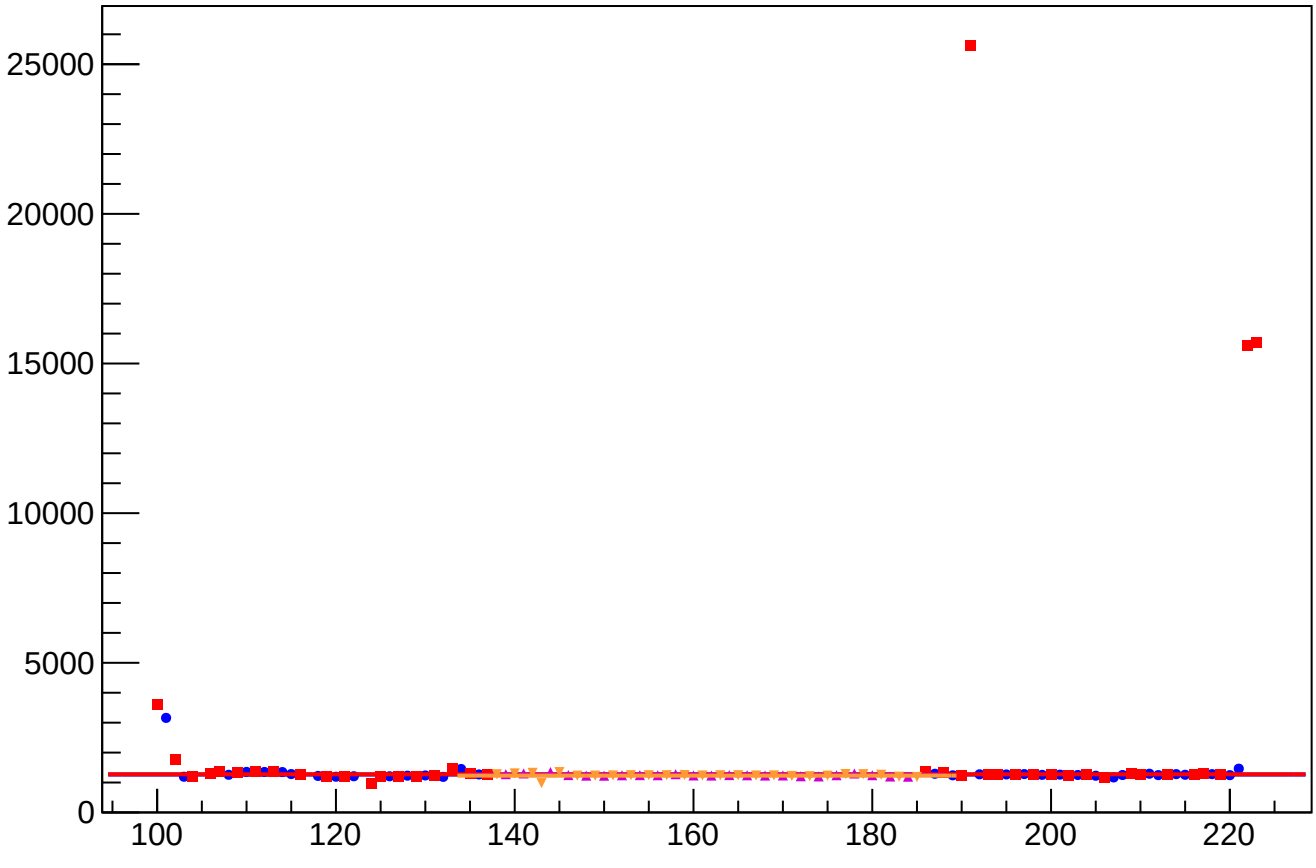
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -31.548+/-195.256 χ^2/NDF: 66.9/72

In: 227.508+/-200.067 χ^2/NDF:45.9/56

Out: -410.946+/-196.950 χ^2/NDF:54.3/63

All: -96.730+/-140.354 χ^2/NDF: 105.3/120



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

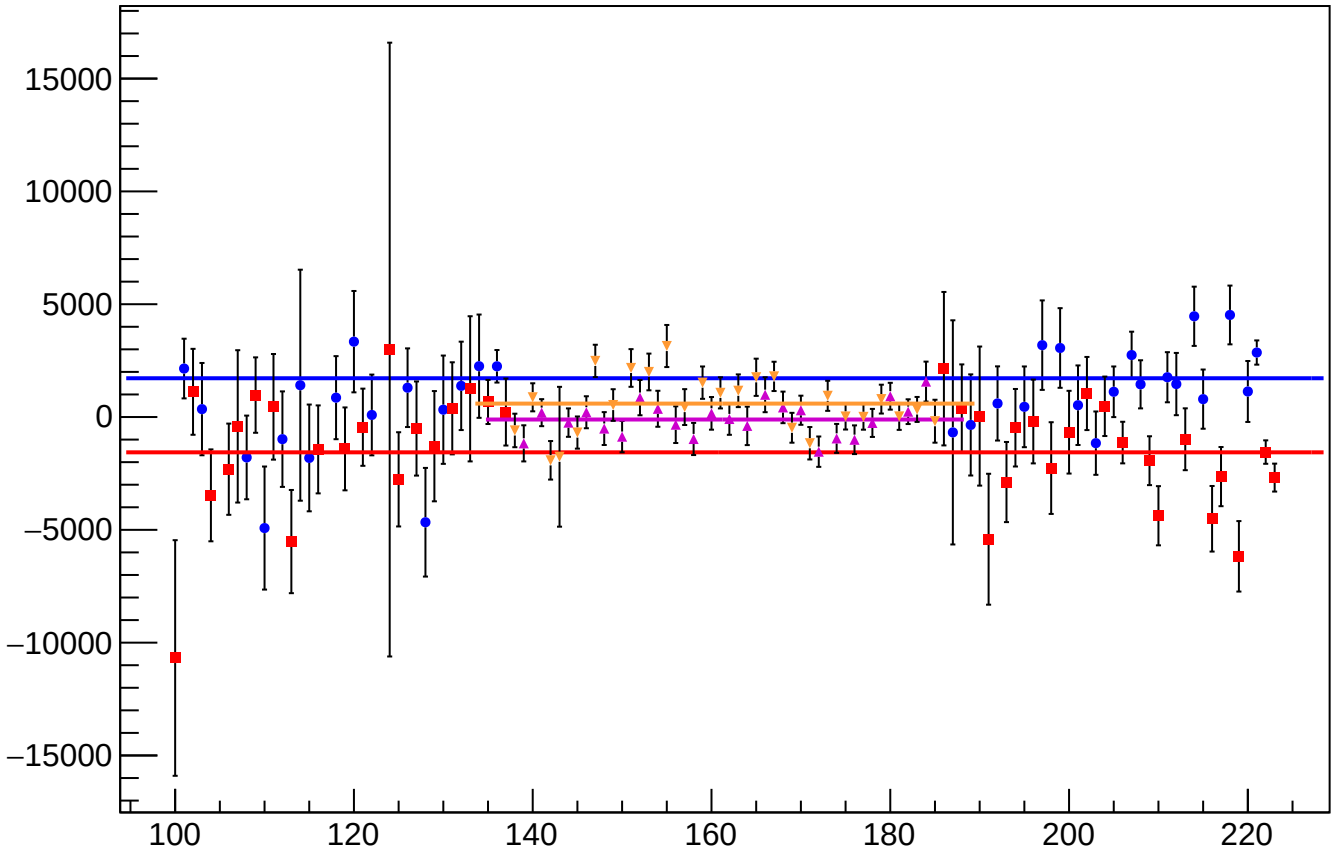
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1270.986+/-0.138 χ^2/NDF: 3245492.1/72

In: 1257.793+/-0.141 χ^2/NDF:573155.6/56

Out: 1252.882+/-0.139 χ^2/NDF:2871266.4/63

All: 1255.299+/-0.099 χ^2/NDF: 3445034.1/12



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

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

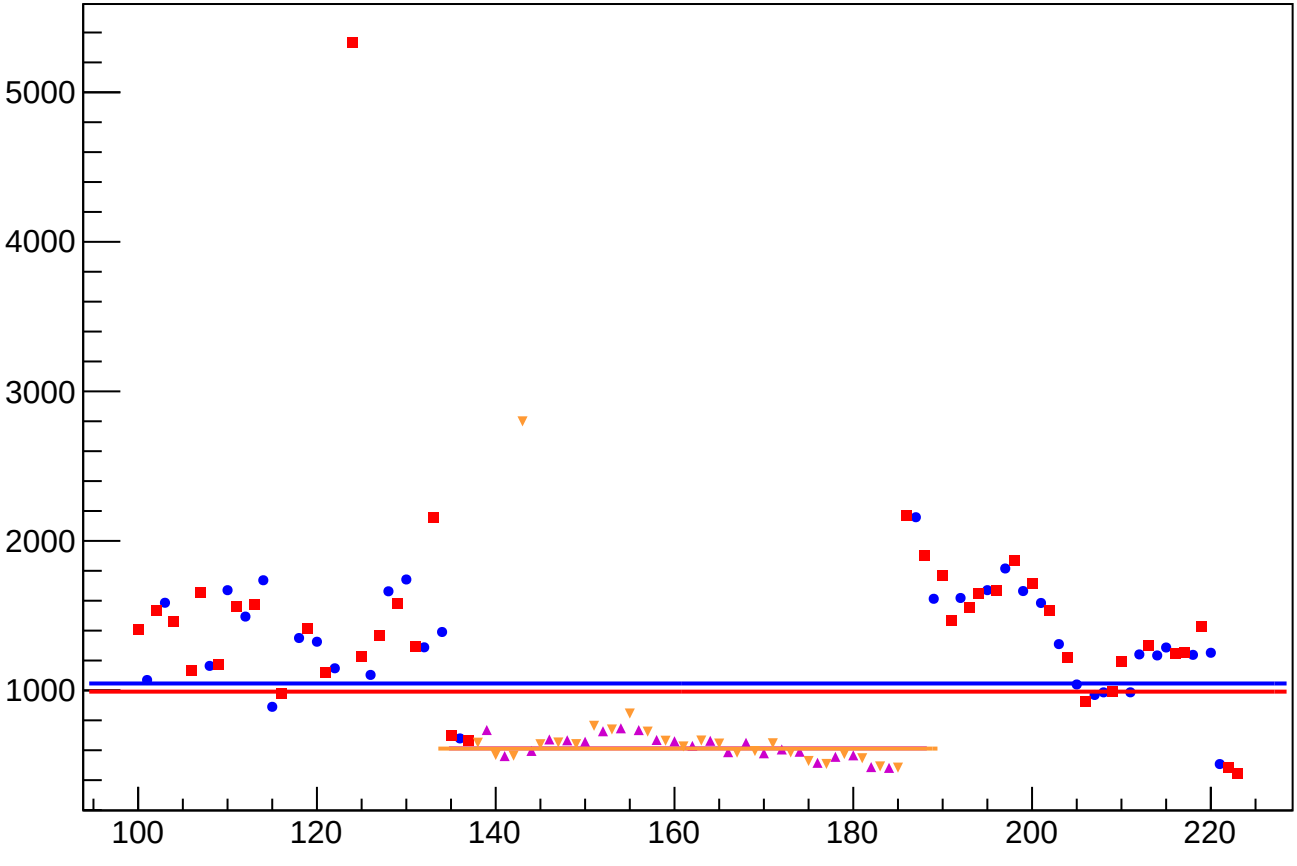
Right: 15.969+/-165.549 χ^2/NDF: 199.7/72

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: -2.262+/-120.891 χ^2/NDF:175.8/63

All: 184.520+/-86.367 χ^2/NDF: 296.3/120

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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

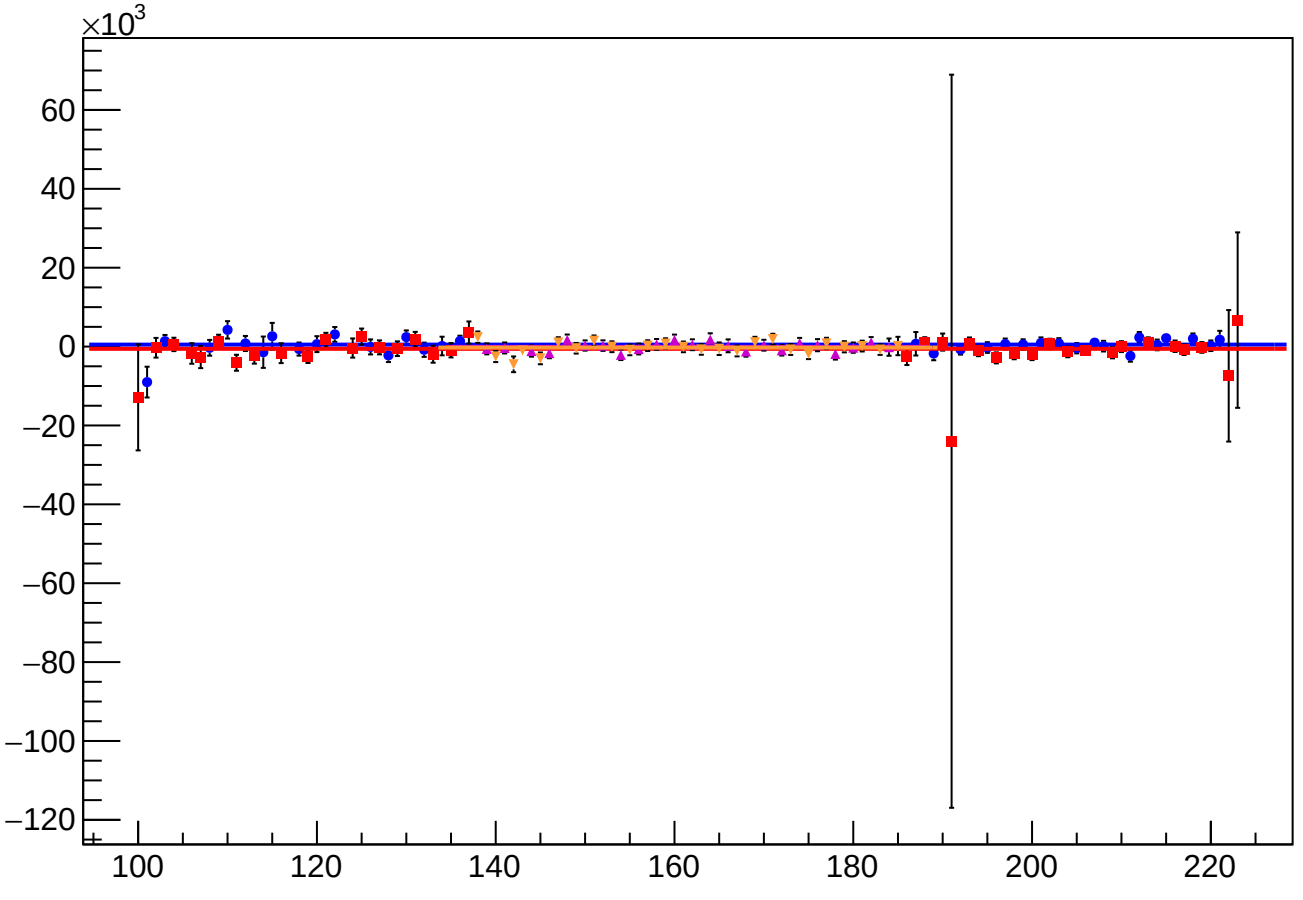
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1018.193+/-0.117 χ^2/NDF: 13486829.8/72

In: 728.568+/-0.087 χ^2/NDF:10521558.3/56

Out: 716.408+/-0.085 χ^2/NDF:13858231.1/63

All: 722.361+/-0.061 χ^2/NDF: 24389696.9/12



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

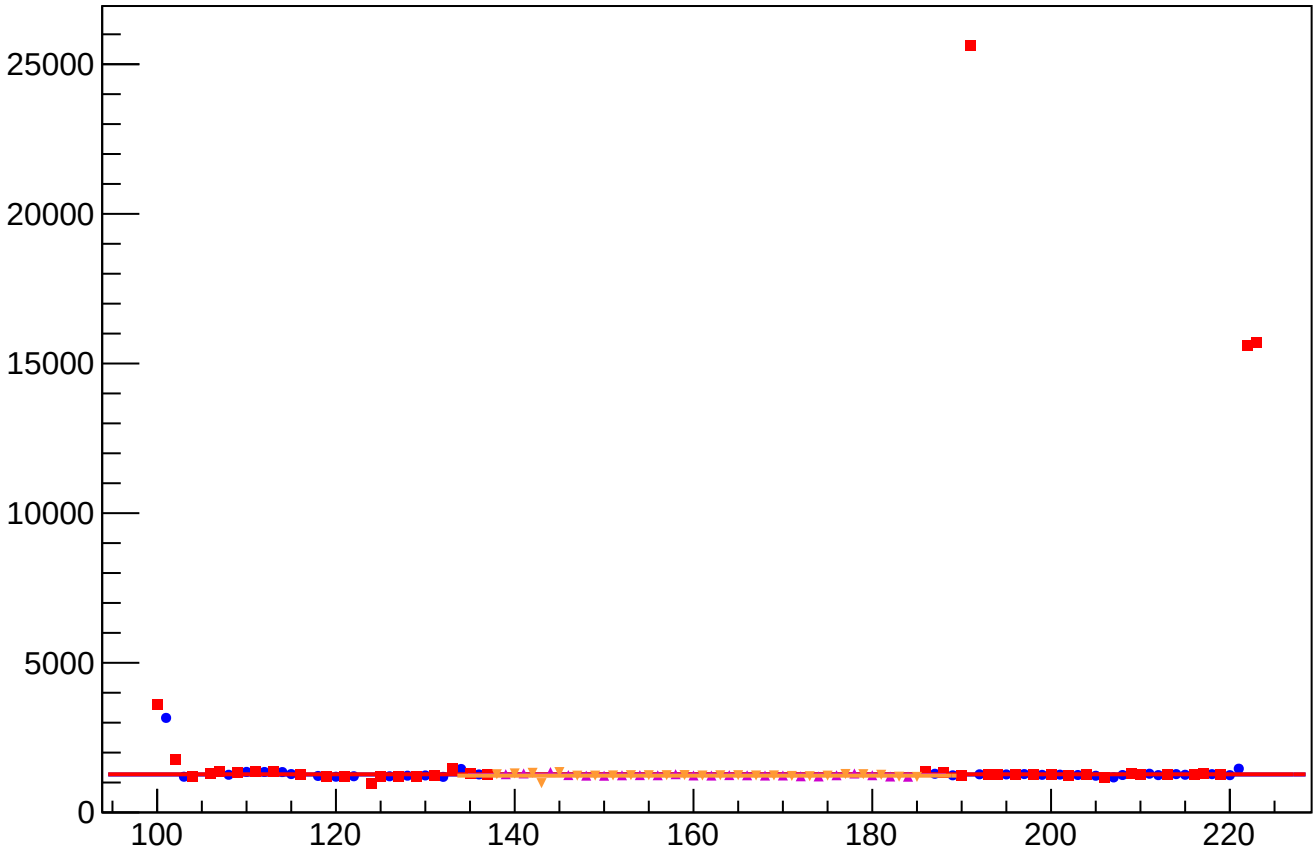
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -31.549+/-195.256 χ^2/NDF: 66.9/72

In: 227.506+/-200.067 χ^2/NDF:45.9/56

Out: -410.945+/-196.950 χ^2/NDF:54.3/63

All: -96.731+/-140.354 χ^2/NDF: 105.3/120



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

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

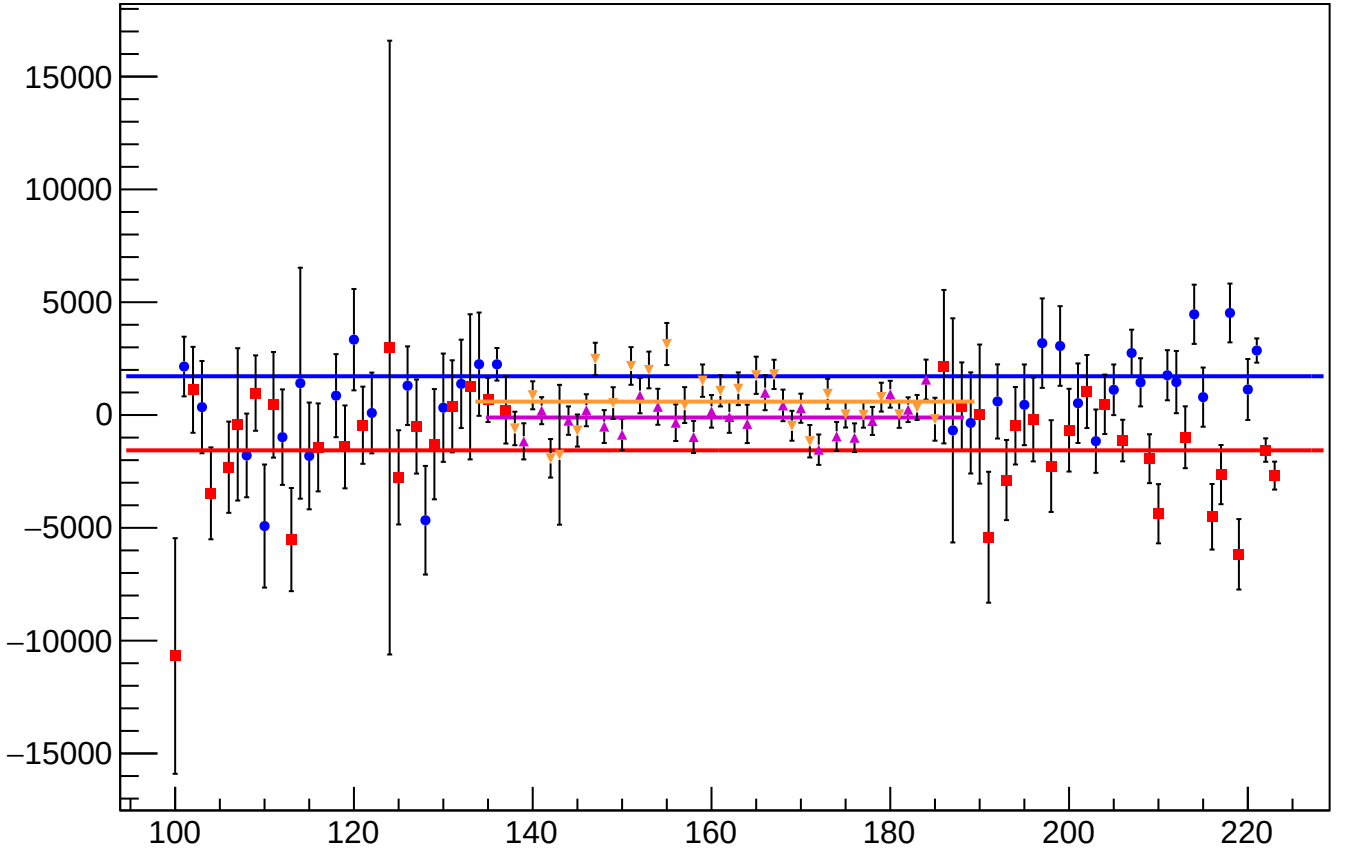
Right: 1270.986+/-0.138 χ^2/NDF: 3245492.0/72

In: 1257.793+/-0.141 χ^2/NDF:573155.7/56

Out: 1252.881+/-0.139 χ^2/NDF:2871265.3/63

All: 1255.298+/-0.099 χ^2/NDF: 3445033.0/12

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

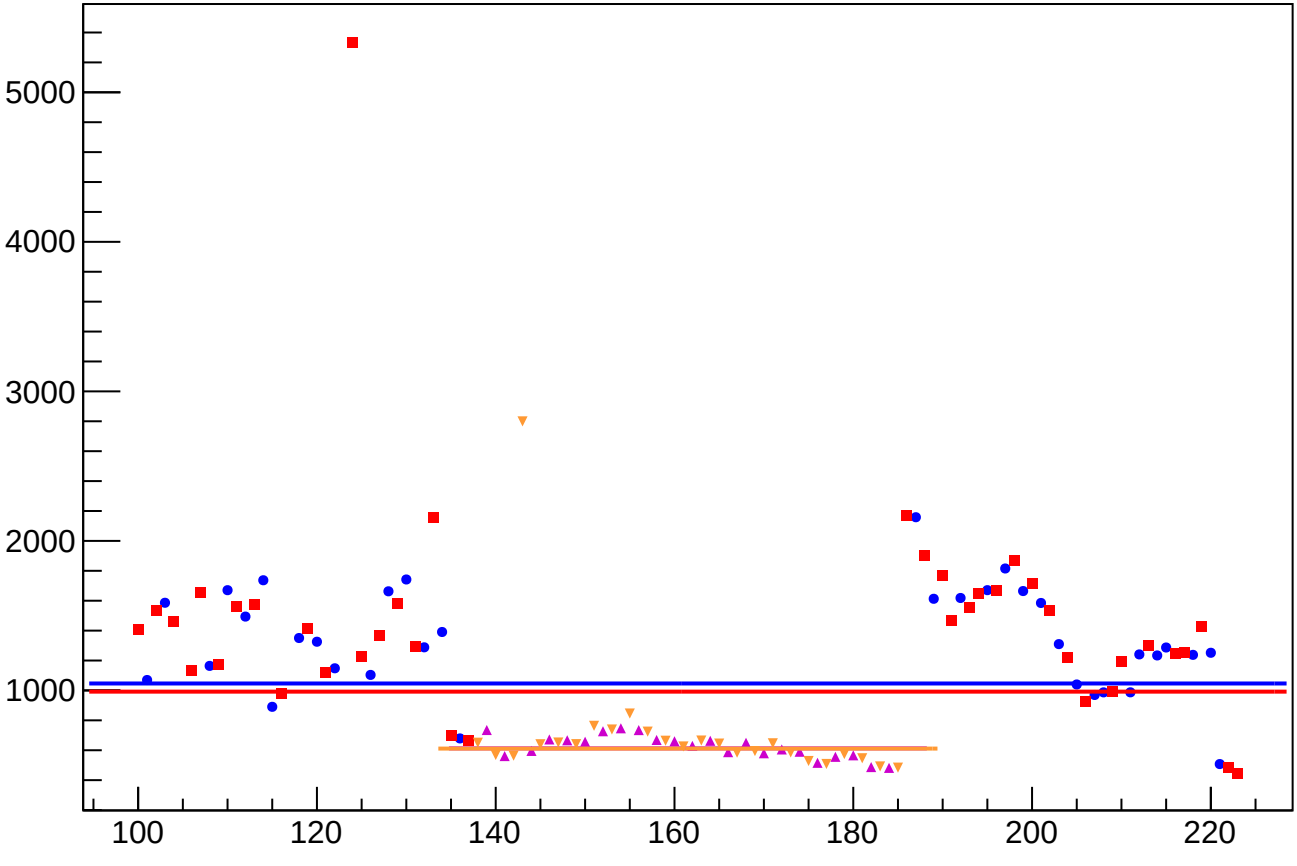
Right: 15.970+/-165.549 χ^2/NDF: 199.7/72

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: -2.262+/-120.891 χ^2/NDF:175.8/63

All: 184.520+/-86.367 χ^2/NDF: 296.3/120

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

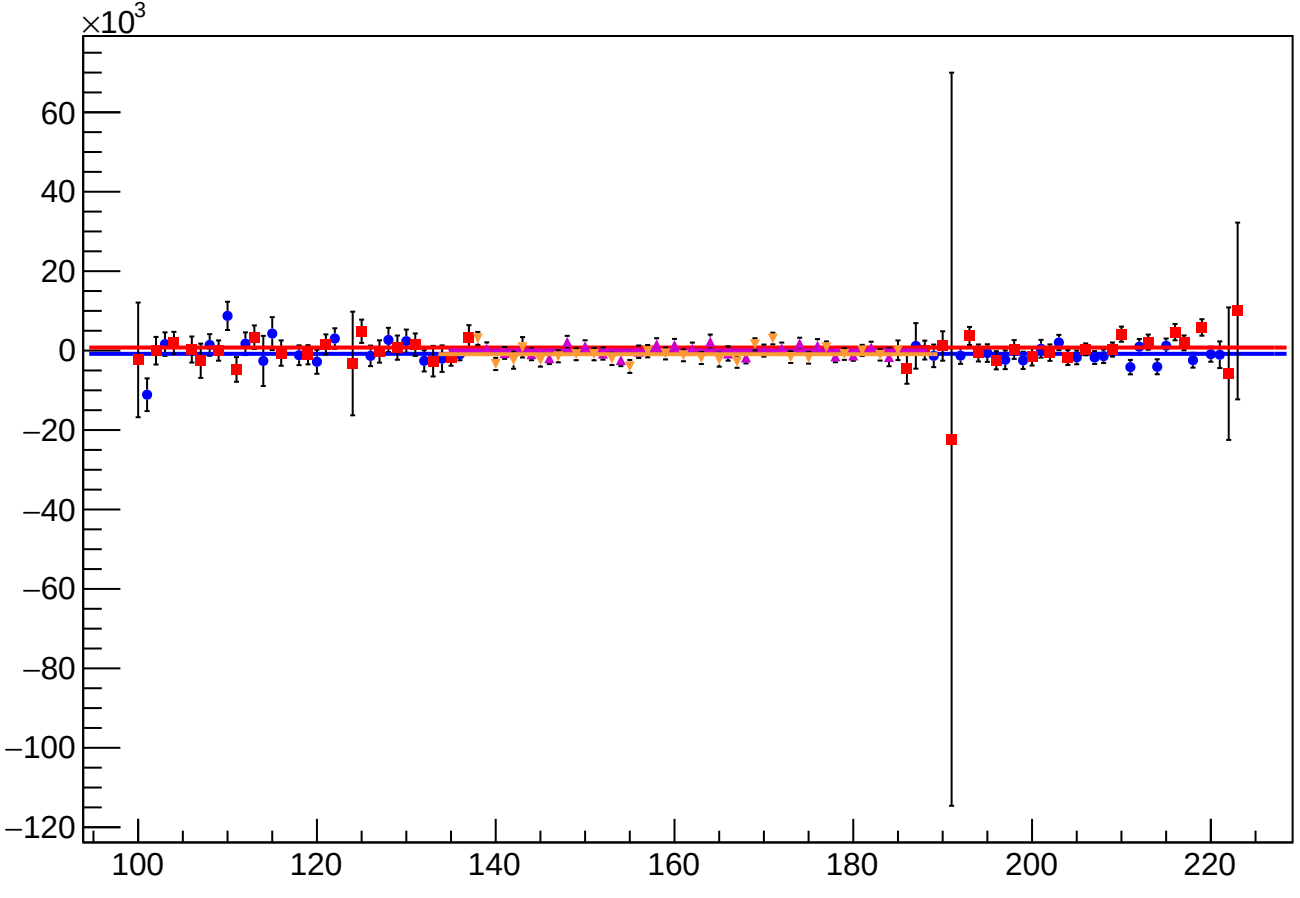
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1018.193+/-0.117 χ^2/NDF: 13486782.4/72

In: 728.567+/-0.087 χ^2/NDF:10521529.1/56

Out: 716.408+/-0.085 χ^2/NDF:13858232.9/63

All: 722.361+/-0.061 χ^2/NDF: 24389669.0/12



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

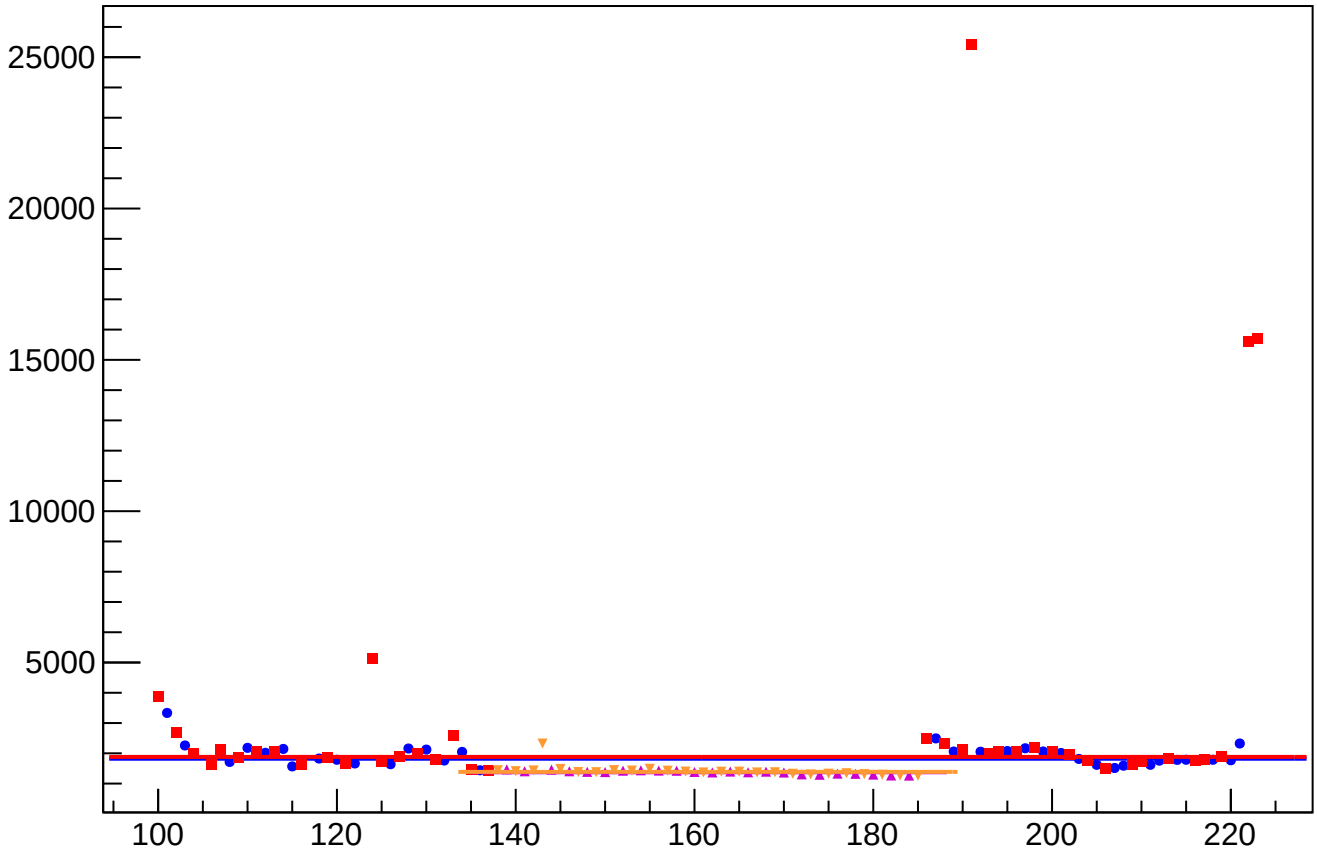
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -46.278+/-285.598 χ^2/NDF: 78.3/72

In: -290.545+/-249.639 χ^2/NDF:57.2/56

Out: -278.070+/-250.715 χ^2/NDF:74.4/63

All: -284.335+/-176.901 χ^2/NDF: 131.6/120



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

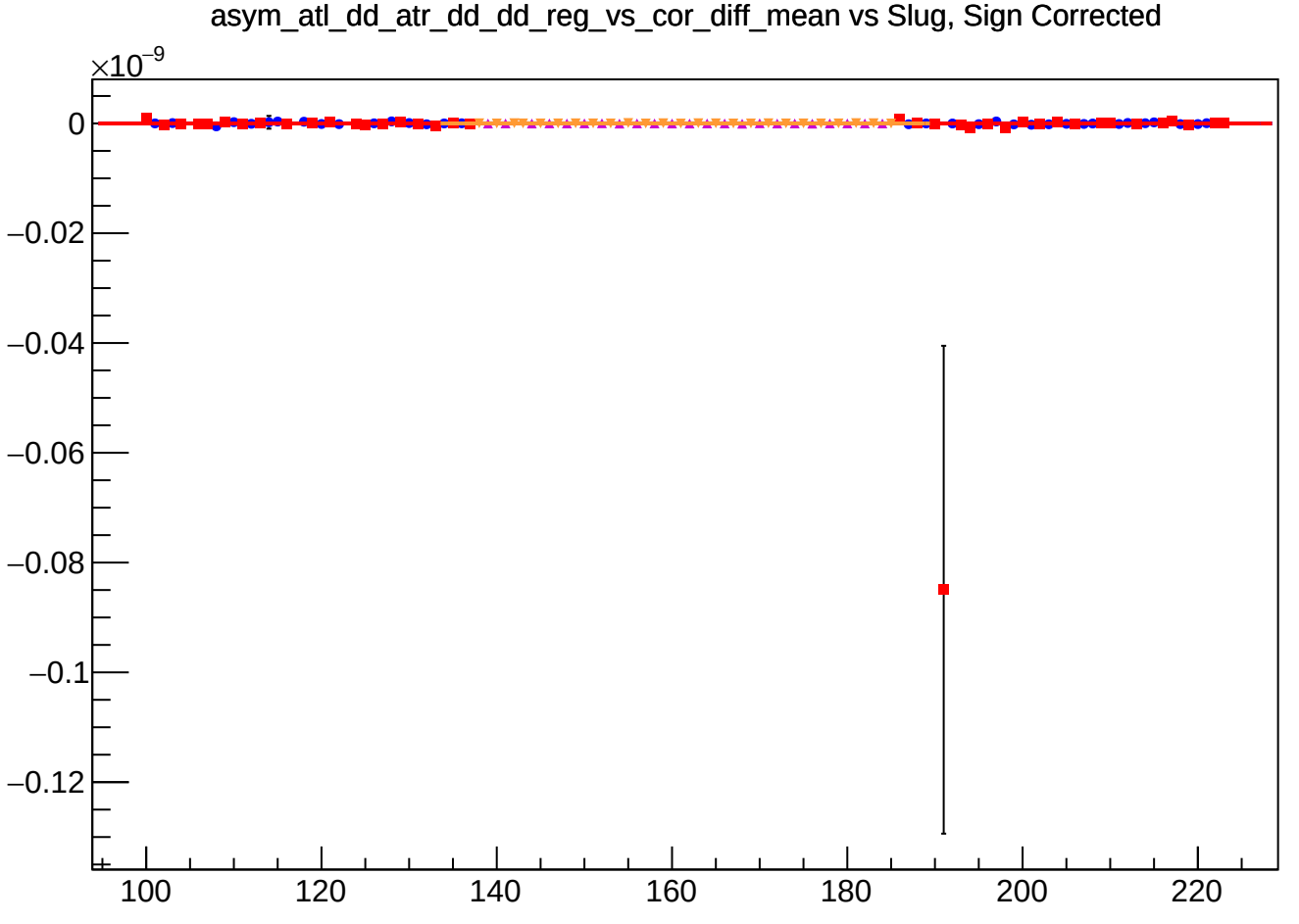
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1850.118+/-0.202 χ^2/NDF: 4149997.9/72

In: 1550.111+/-0.177 χ^2/NDF:2543799.4/56

Out: 1570.868+/-0.177 χ^2/NDF:5343666.7/63

All: 1560.445+/-0.125 χ^2/NDF: 7894349.9/12



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

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

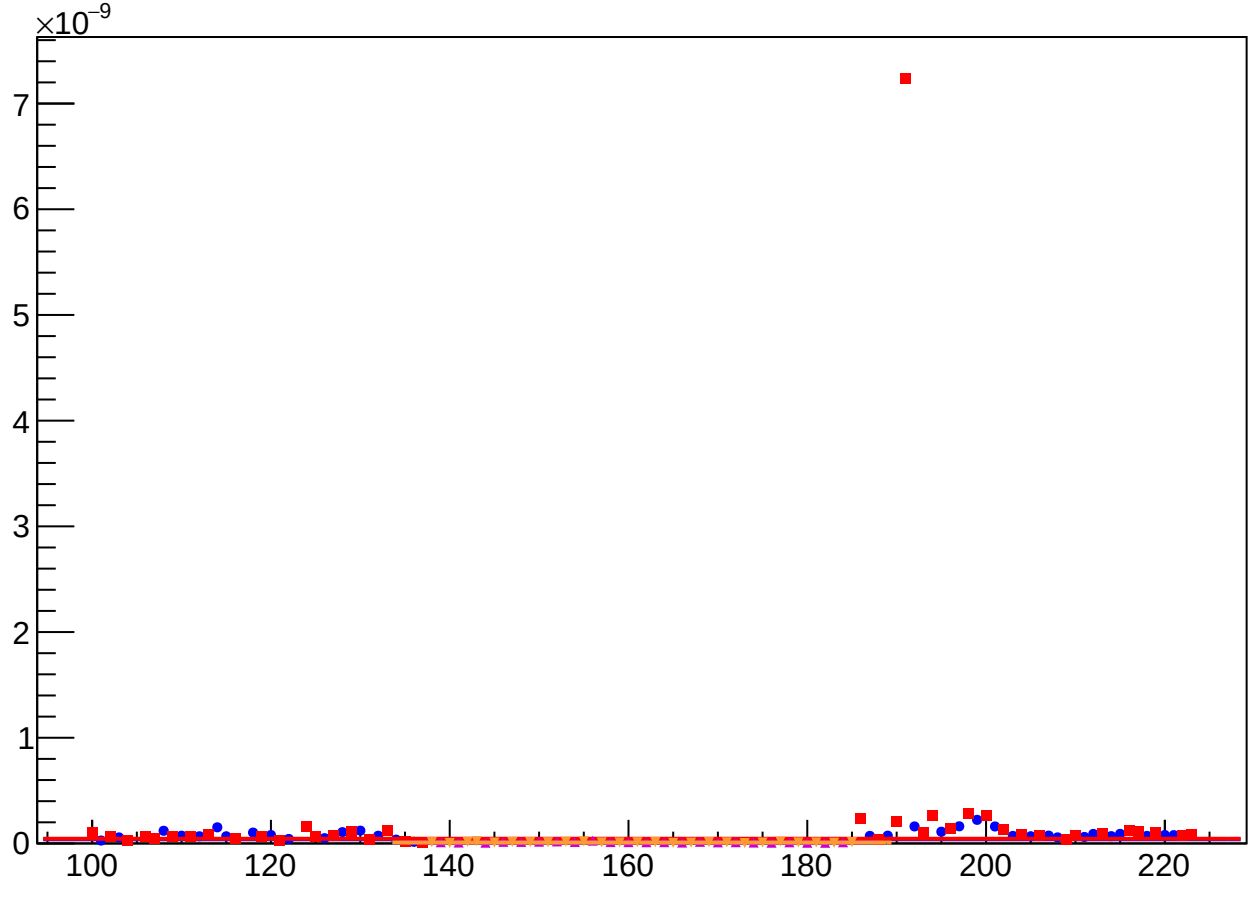
Right: -0.000+/-0.000 χ^2/NDF: 88.4/72

In: 0.000+/-0.000 χ^2/NDF:42.7/56

Out: 0.000+/-0.000 χ^2/NDF:84.1/63

All: 0.000+/-0.000 χ^2/NDF: 126.8/120

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

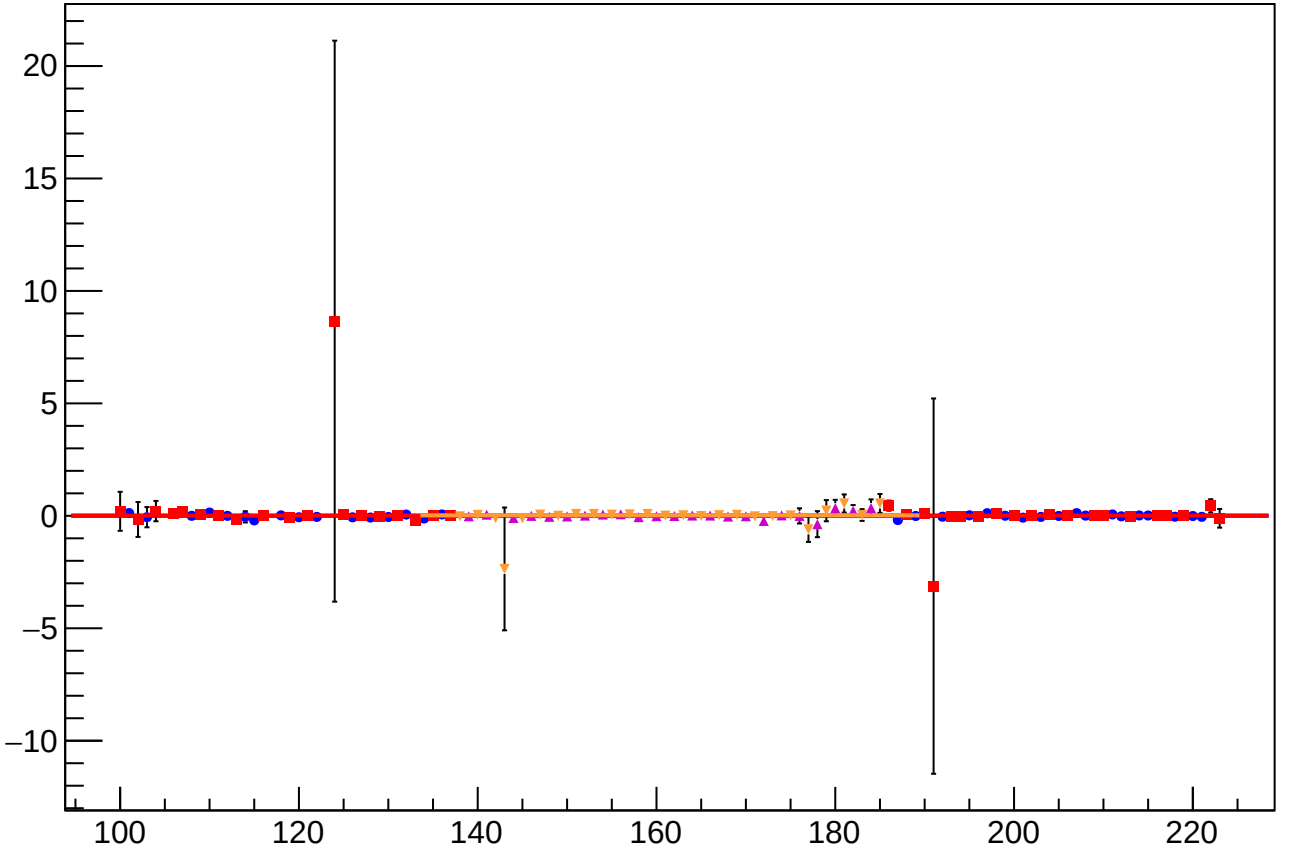
Right: 0.000+/-0.000 χ^2/NDF: 15626635.6/72

In: 0.000+/-0.000 χ^2/NDF:14574605.1/56

Out: 0.000+/-0.000 χ^2/NDF:17396089.6/63

All: 0.000+/-0.000 χ^2/NDF: 32333843.5/120

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

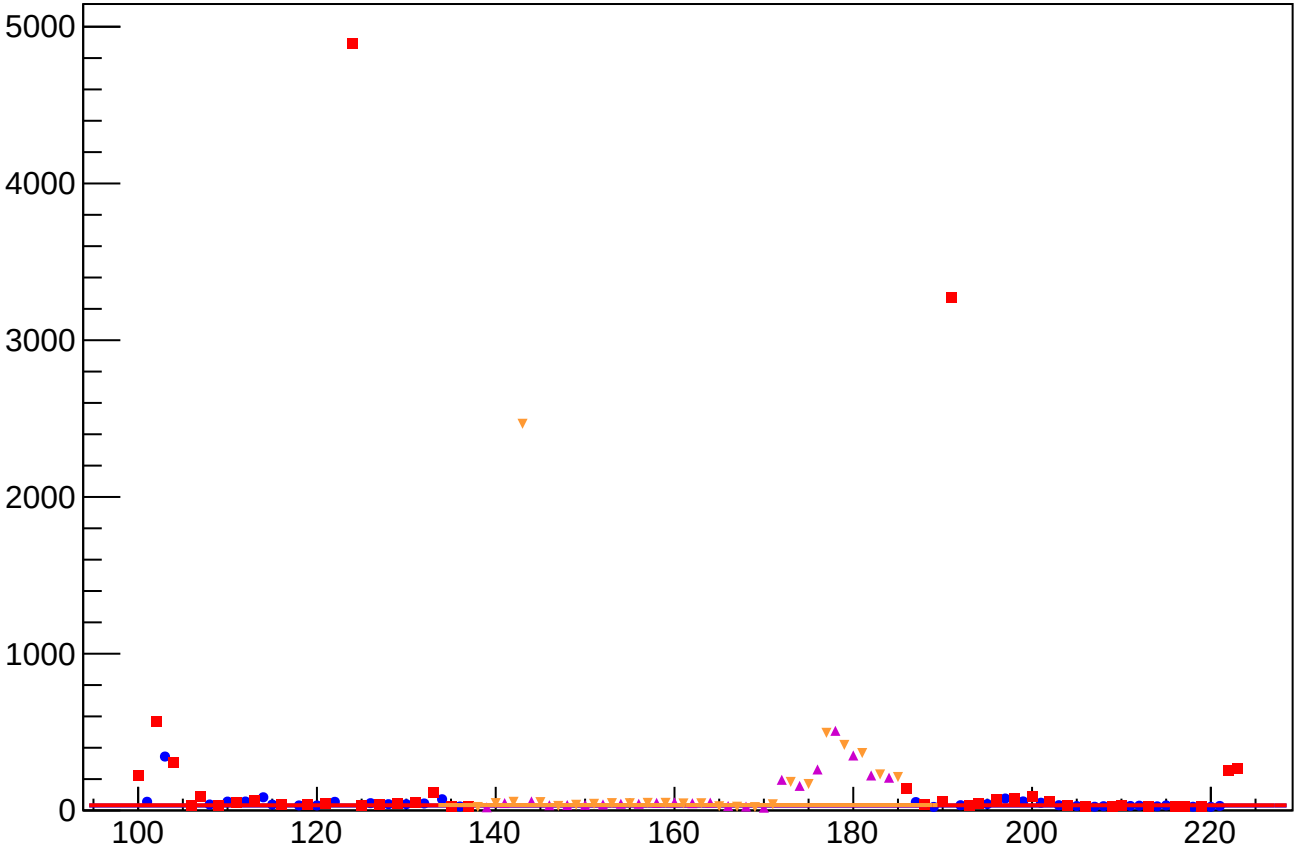
Right: 0.007+/-0.006 χ^2/NDF: 76.7/72

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.4/63

All: 0.007+/-0.004 χ^2/NDF: 119.8/120

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

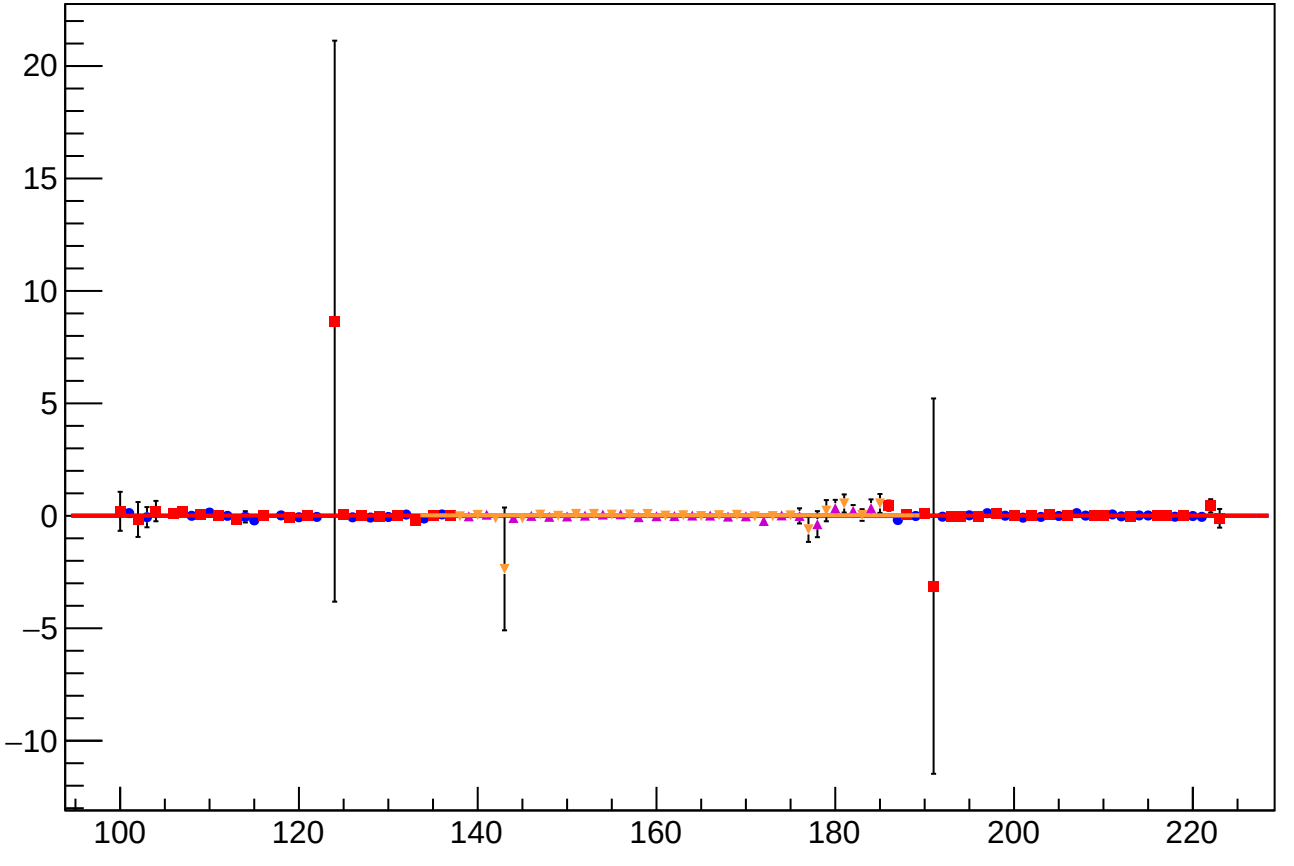
Right: 32.065+/-0.004 χ^2/NDF: 12869239.6/72

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.737+/-0.005 χ^2/NDF:20058949.0/63

All: 32.859+/-0.003 χ^2/NDF: 34448509.4/120

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

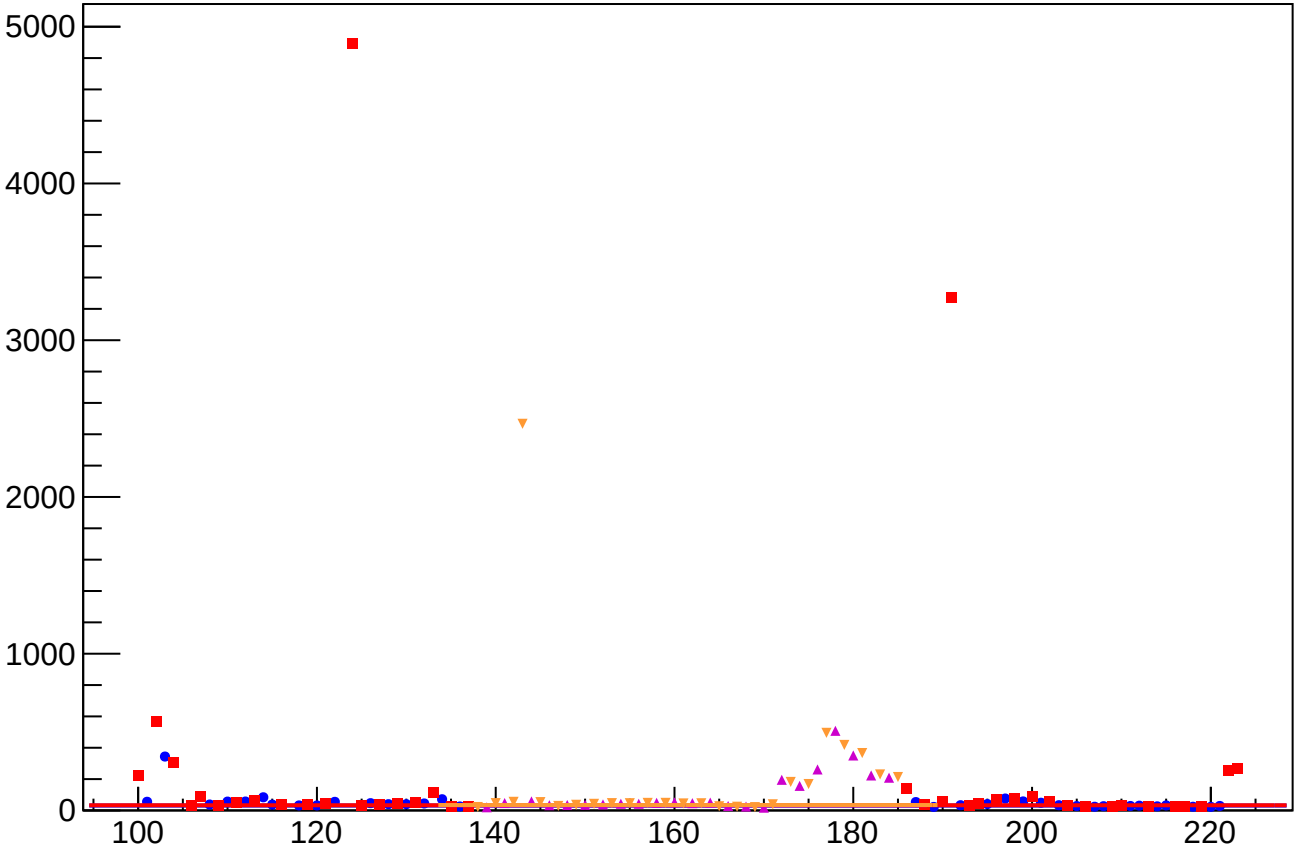
Right: 0.007+/-0.006 χ^2/NDF: 76.7/72

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.4/63

All: 0.007+/-0.004 χ^2/NDF: 119.8/120

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

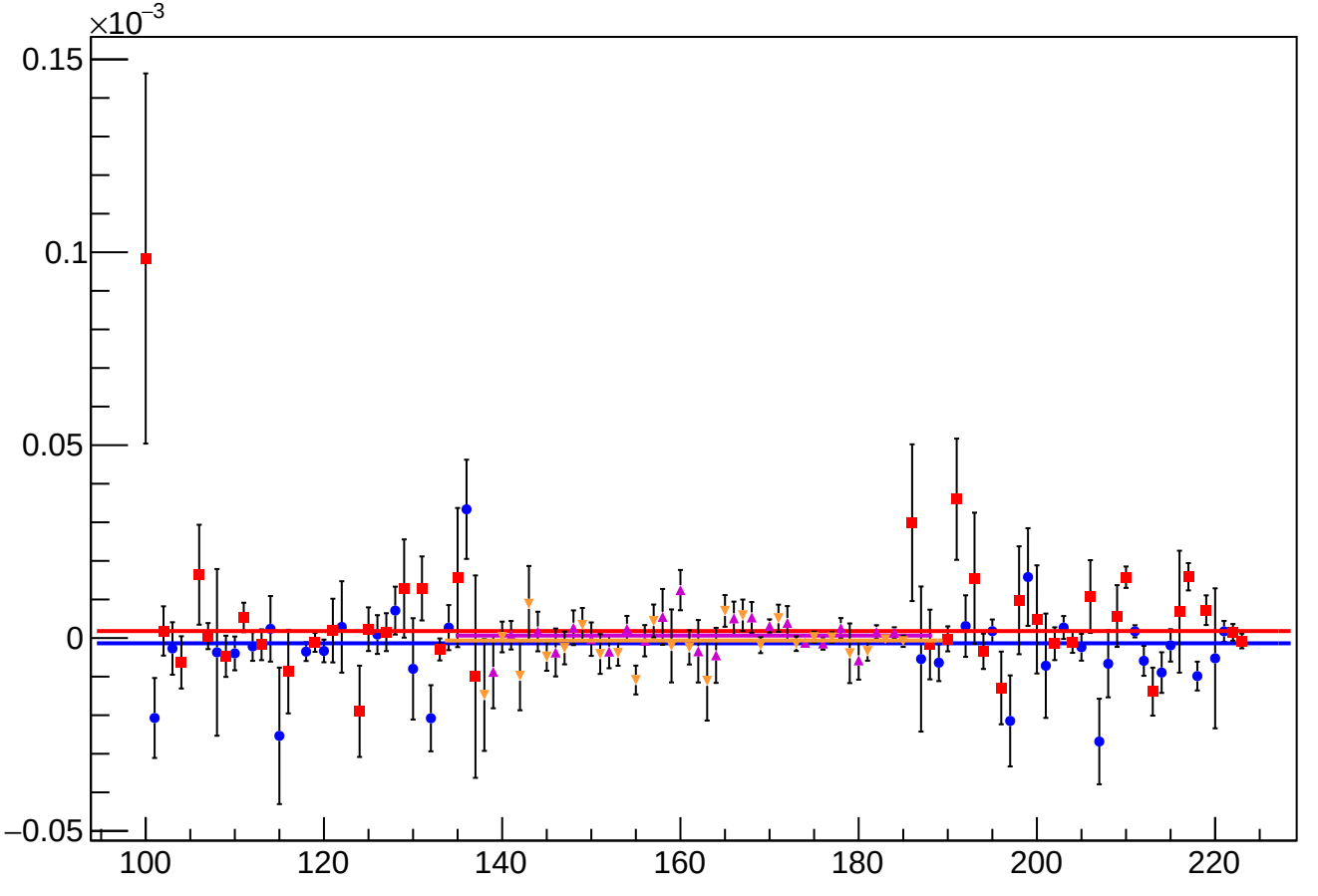
Right: 32.065+/-0.004 χ^2/NDF: 12869239.6/72

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.737+/-0.005 χ^2/NDF:20058949.0/63

All: 32.859+/-0.003 χ^2/NDF: 34448509.4/120

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

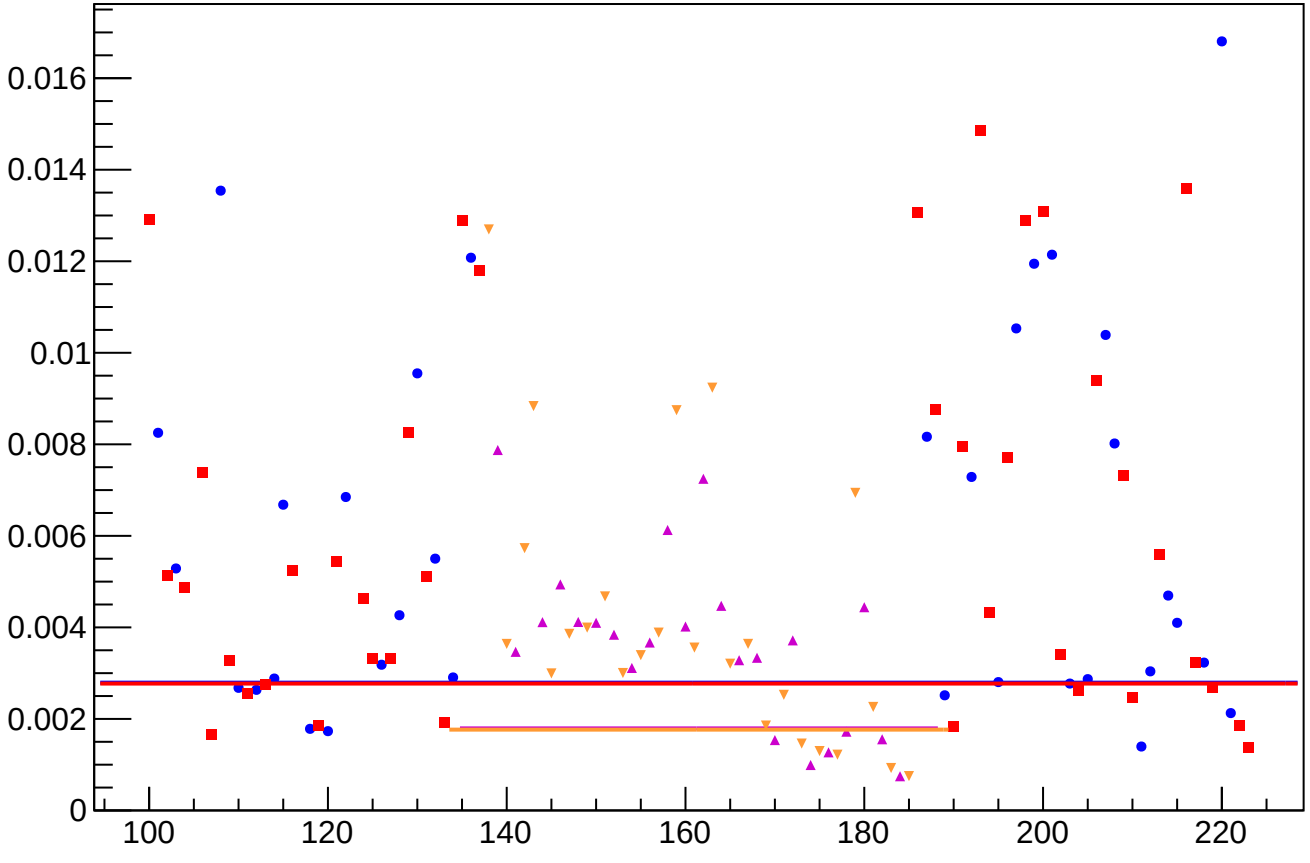
Right: 0.000+/-0.000 χ^2/NDF: 148.6/72

In: -0.000+/-0.000 χ^2/NDF:78.1/56

Out: 0.000+/-0.000 χ^2/NDF:123.8/63

All: 0.000+/-0.000 χ^2/NDF: 202.1/120

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

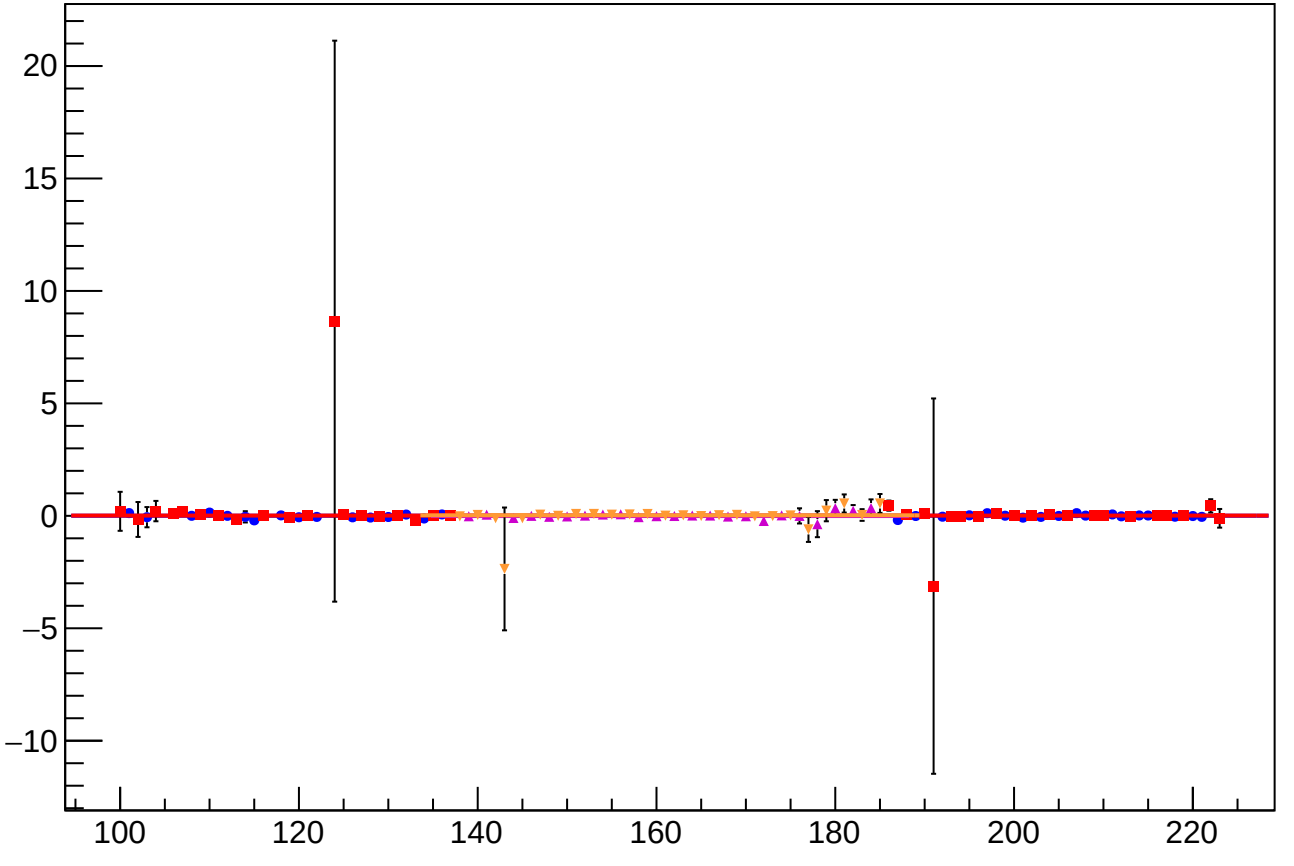
Right: 0.003+/-0.000 χ^2/NDF: 26411371.0/72

In: 0.002+/-0.000 χ^2/NDF:25947141.6/56

Out: 0.002+/-0.000 χ^2/NDF:29047387.7/63

All: 0.002+/-0.000 χ^2/NDF: 55000886.5/120

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

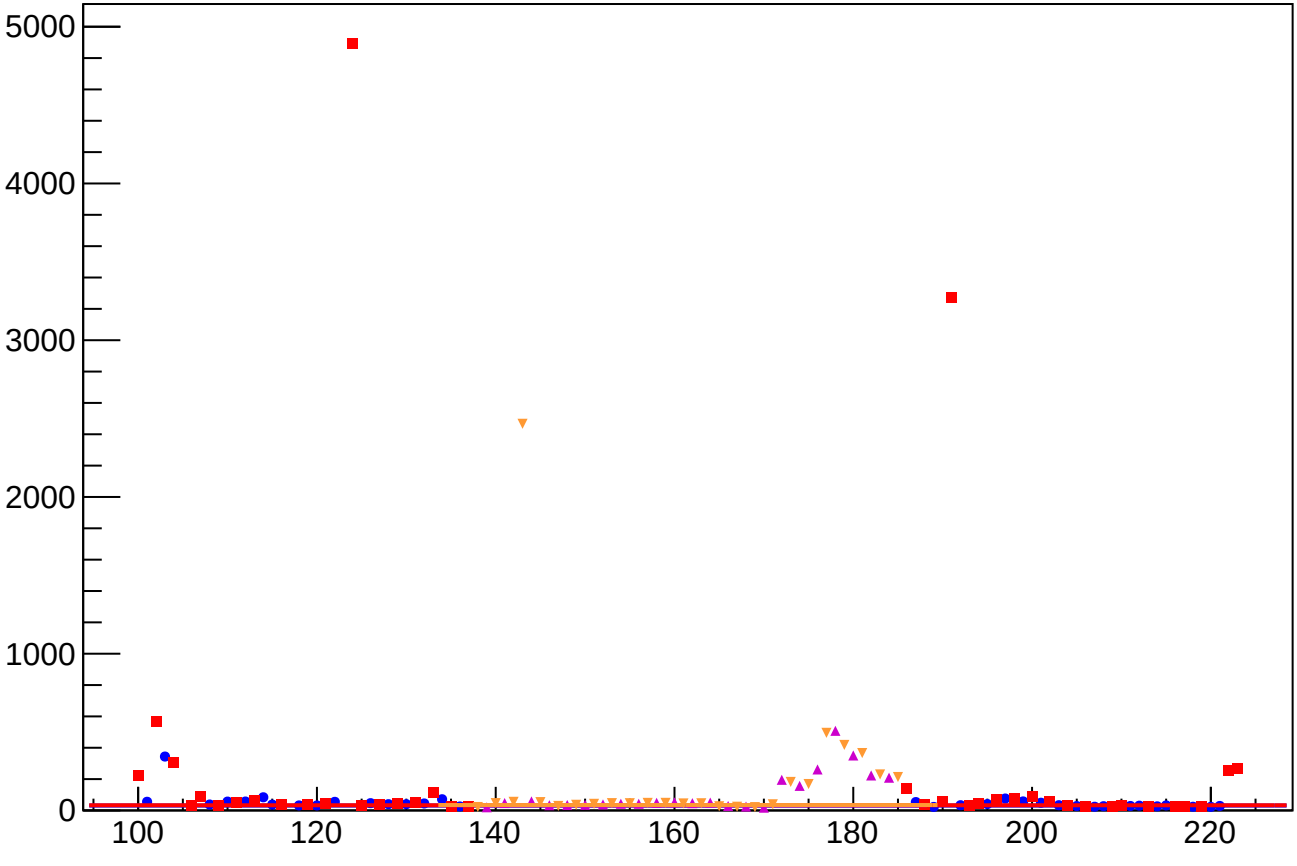
Right: 0.007+/-0.006 χ^2/NDF: 76.7/72

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.4/63

All: 0.007+/-0.004 χ^2/NDF: 119.8/120

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

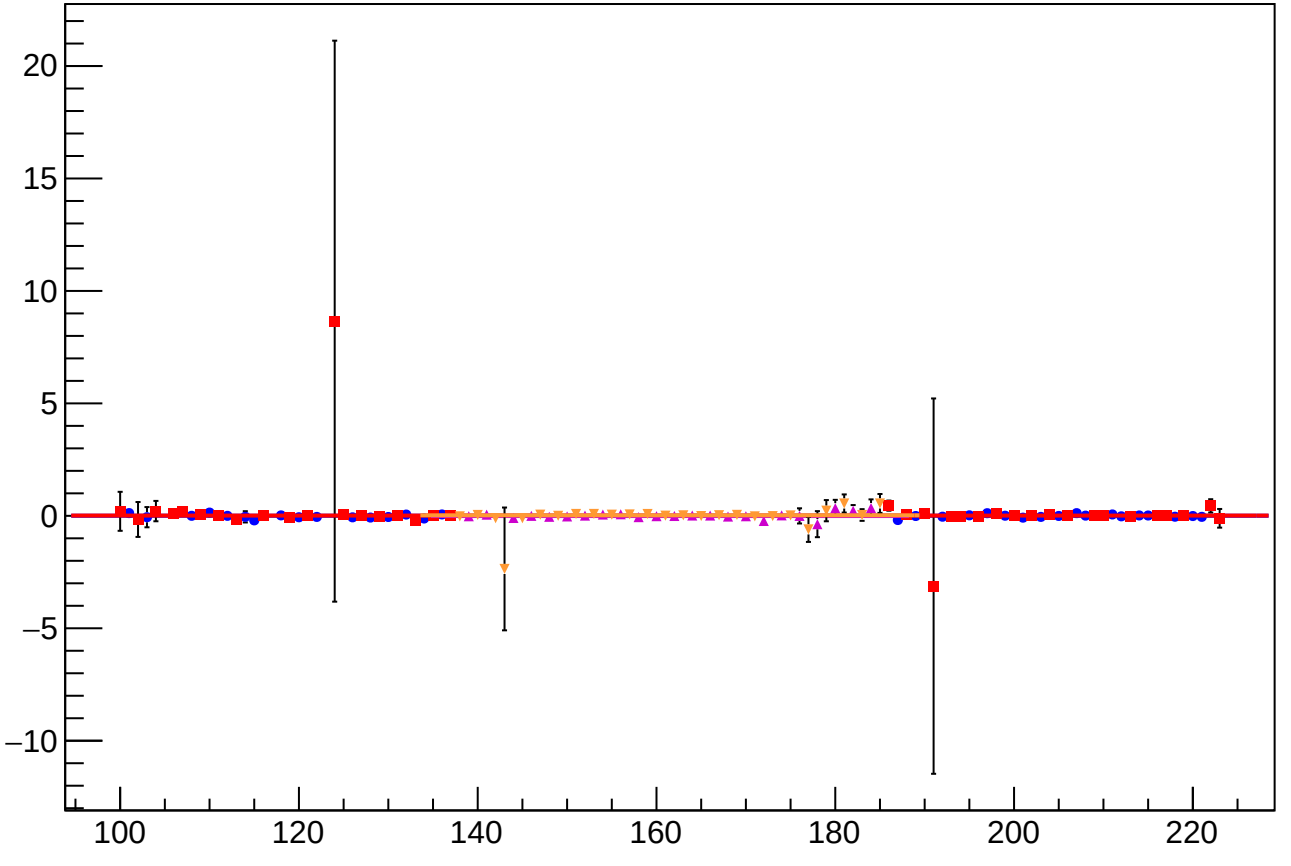
Right: 32.067+/-0.004 χ^2/NDF: 12867893.9/72

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.737+/-0.005 χ^2/NDF:20058954.7/63

All: 32.860+/-0.003 χ^2/NDF: 34445866.6/120

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

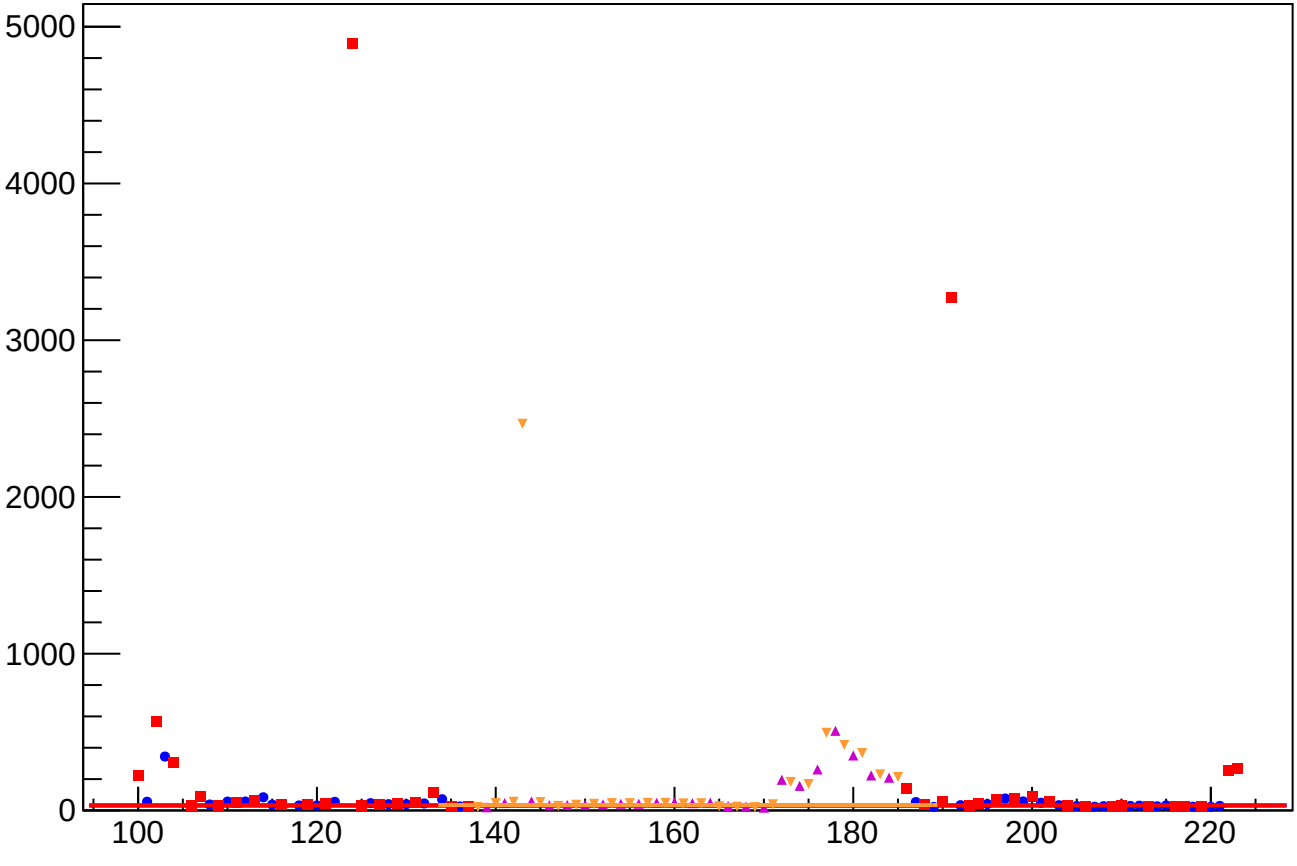
Right: 0.007+/-0.006 χ^2/NDF: 76.7/72

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.4/63

All: 0.007+/-0.004 χ^2/NDF: 119.8/120

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

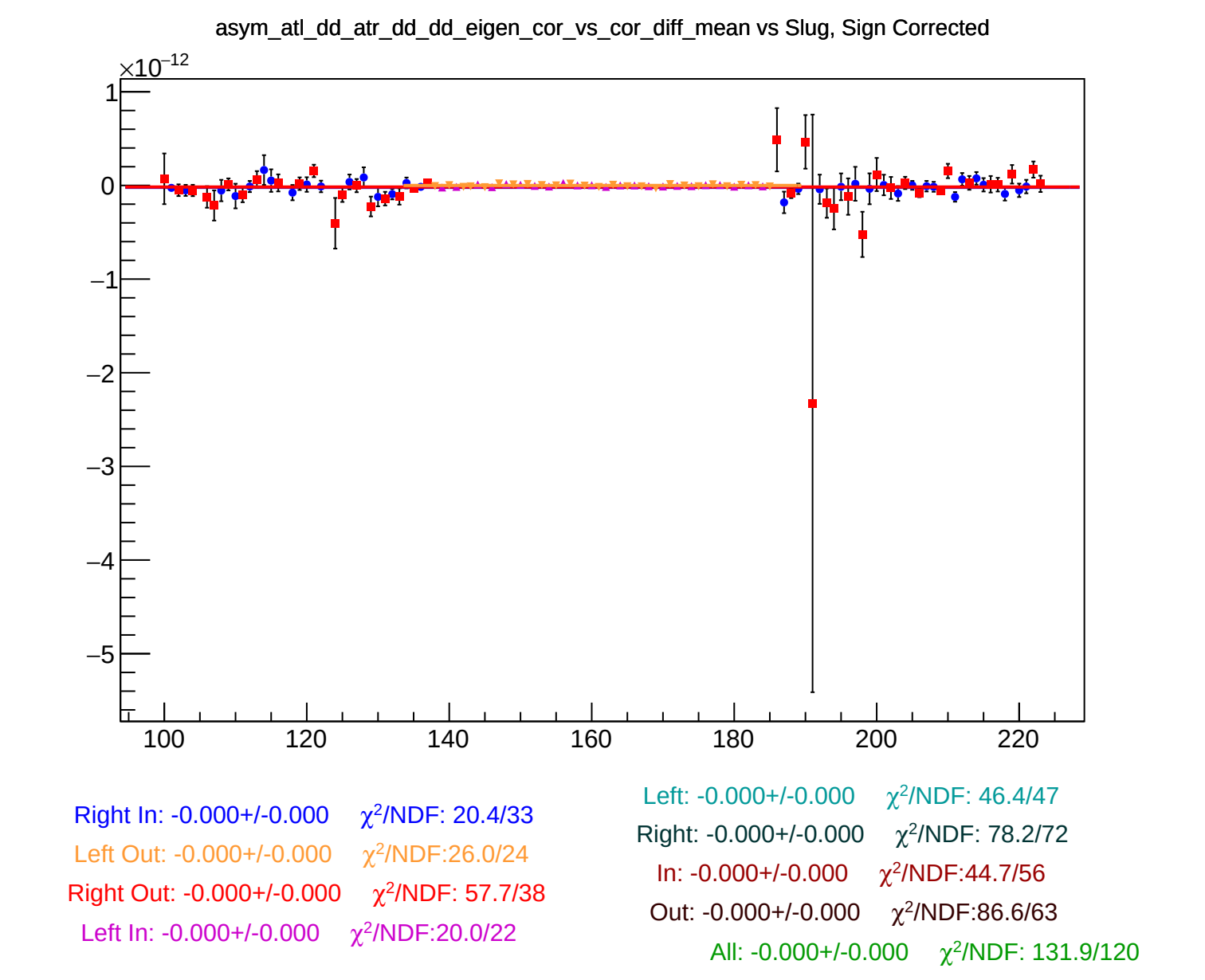
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 32.067+/-0.004 χ^2/NDF: 12867893.9/72

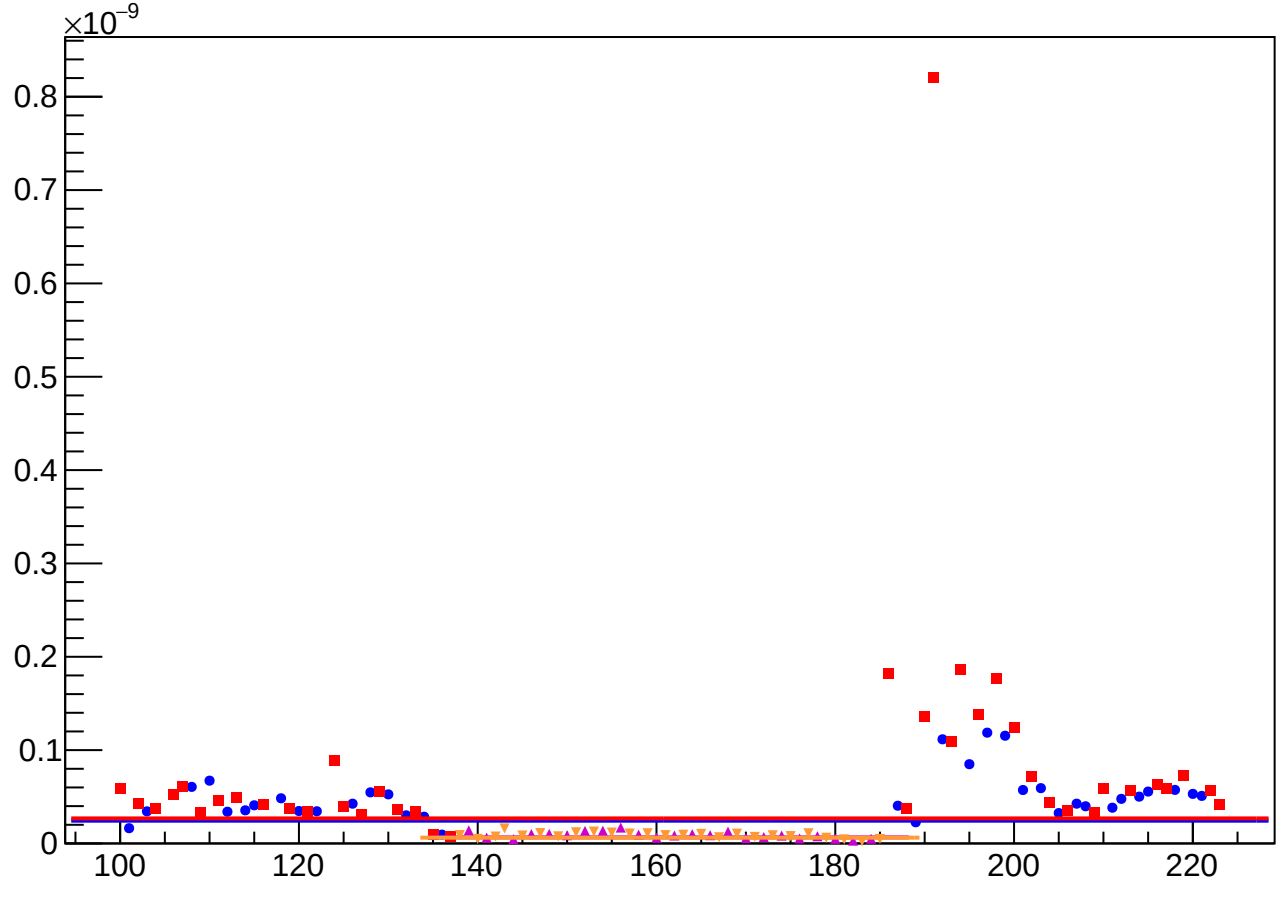
In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.737+/-0.005 χ^2/NDF:20058954.7/63

All: 32.860+/-0.003 χ^2/NDF: 34445866.6/120


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 20.4/33
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 57.7/38
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 78.2/72
In: -0.000+/-0.000 χ²/NDF:44.7/56
Out: -0.000+/-0.000 χ²/NDF:86.6/63
All: -0.000+/-0.000 χ²/NDF: 131.9/120

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

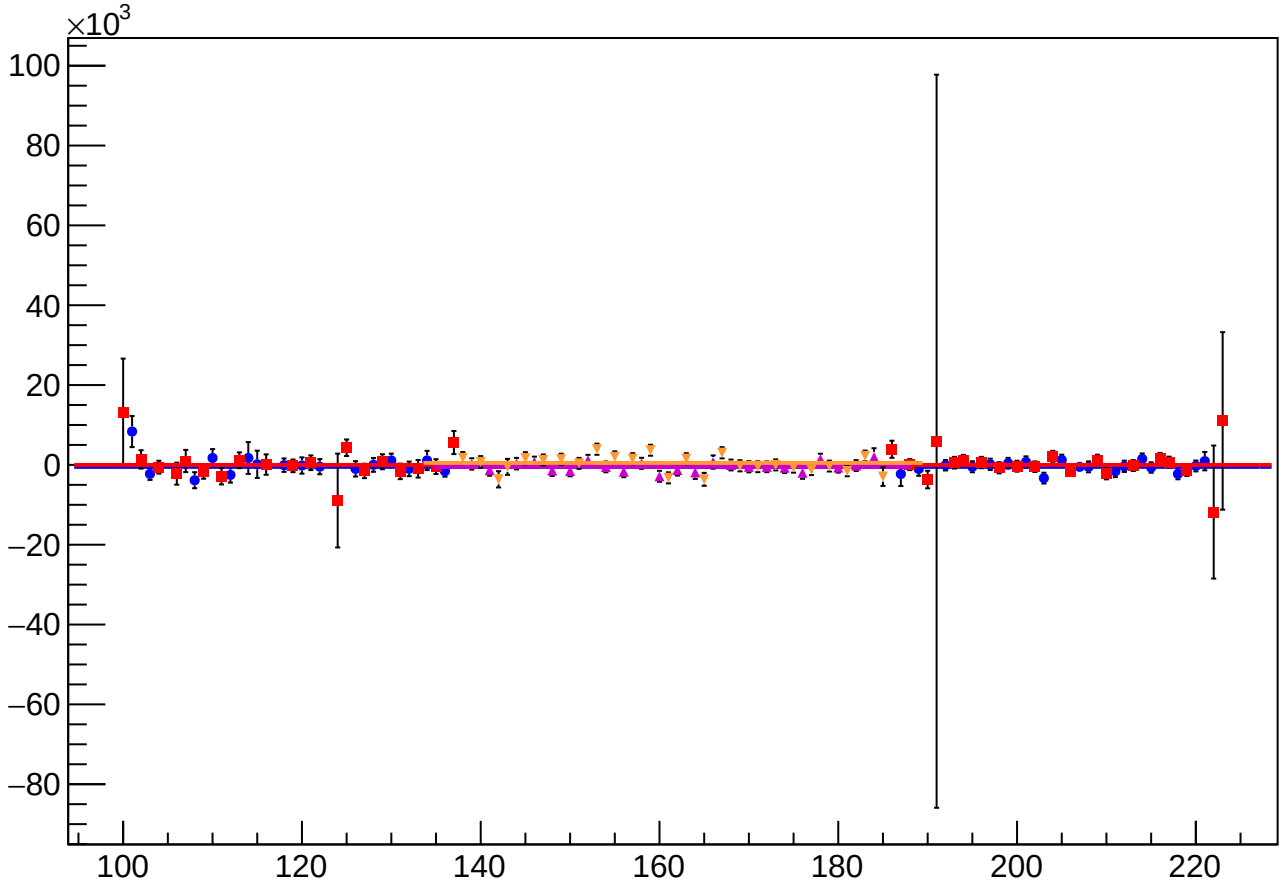
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 21691318.5/72

In: 0.000+/-0.000 χ^2/NDF:21914249.1/56

Out: 0.000+/-0.000 χ^2/NDF:26166533.9/63

All: 0.000+/-0.000 χ^2/NDF: 48125476.2/120



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

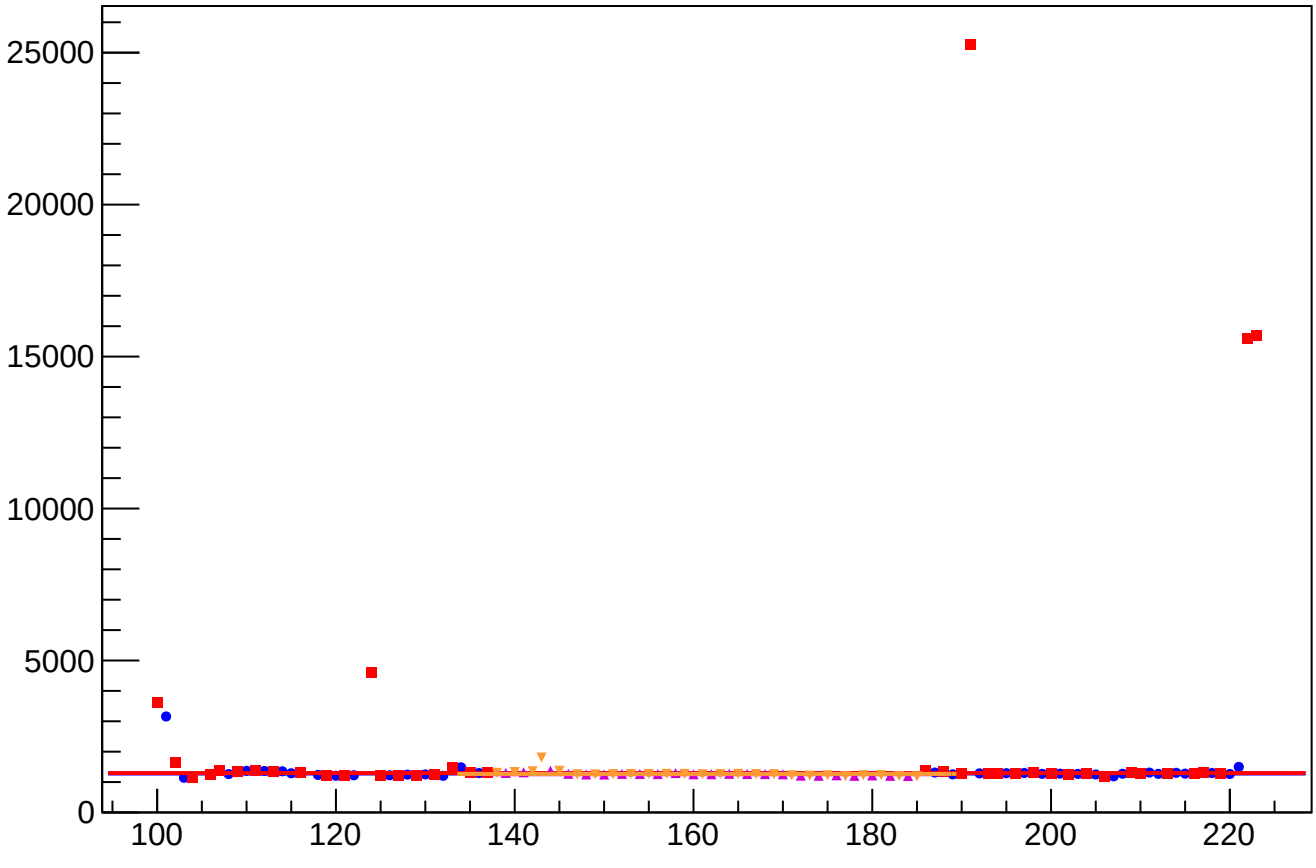
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -252.511+/-198.113 χ^2/NDF: 62.3/72

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 234.201+/-201.627 χ^2/NDF:82.7/63

All: -125.558+/-142.739 χ^2/NDF: 130.1/120



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

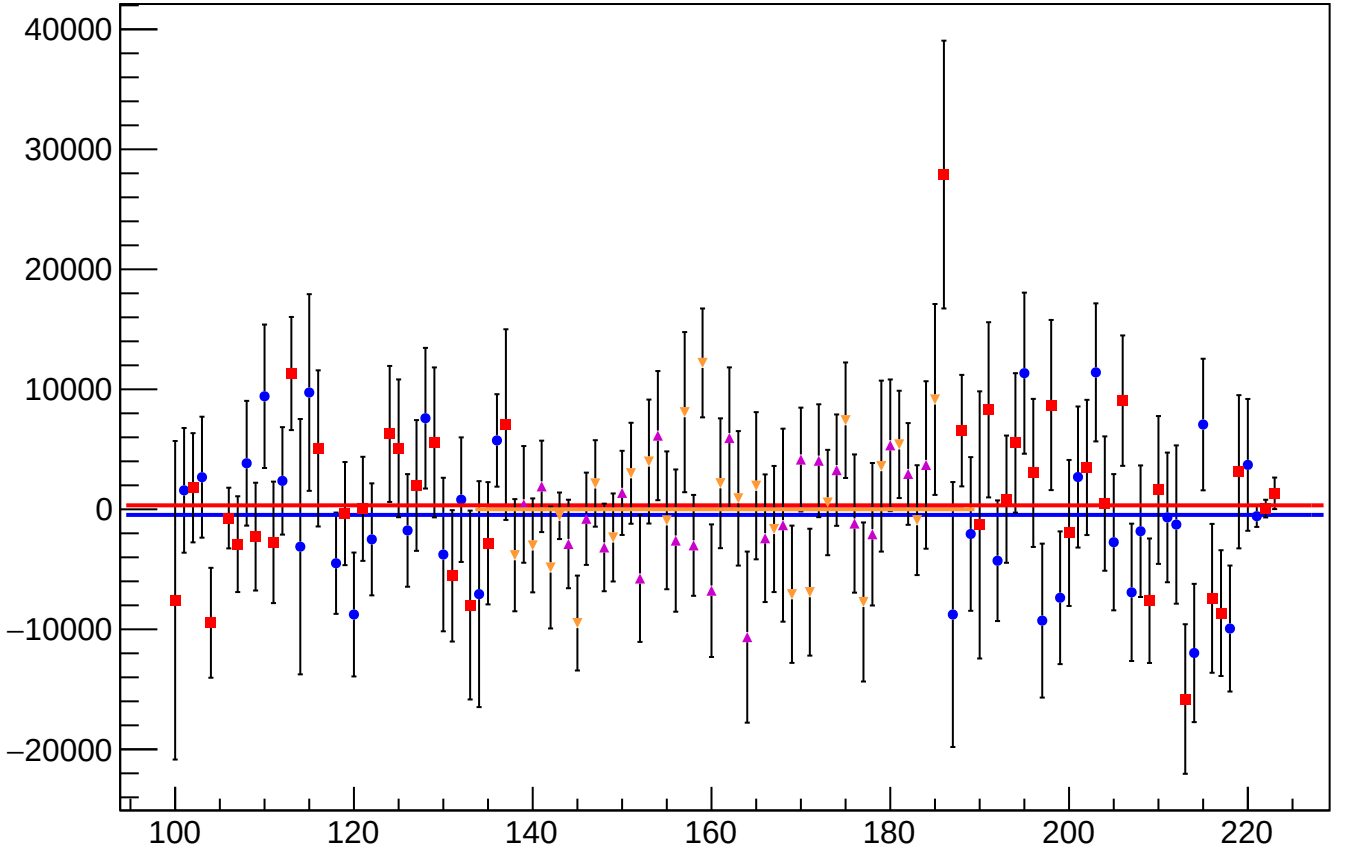
Right: 1288.427+/-0.140 χ^2/NDF: 3344948.1/72

In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1281.262+/-0.143 χ^2/NDF:2991382.3/63

All: 1275.890+/-0.101 χ^2/NDF: 3587033.7/12

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

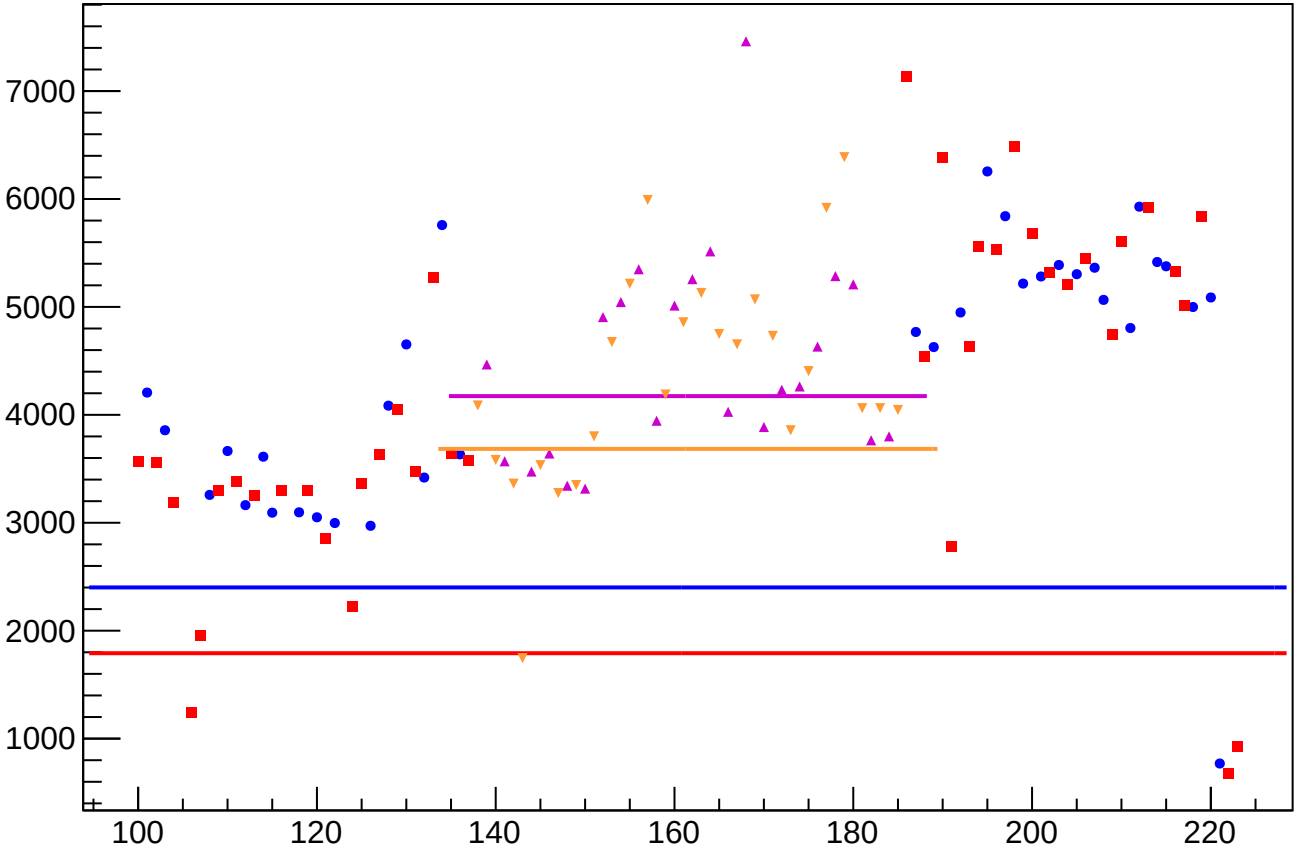
Right: 27.272+/-406.753 χ^2/NDF: 87.0/72

In: -314.185+/-548.187 χ^2/NDF:52.8/56

Out: 248.375+/-447.287 χ^2/NDF:76.7/63

All: 23.535+/-346.562 χ^2/NDF: 130.1/120

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



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

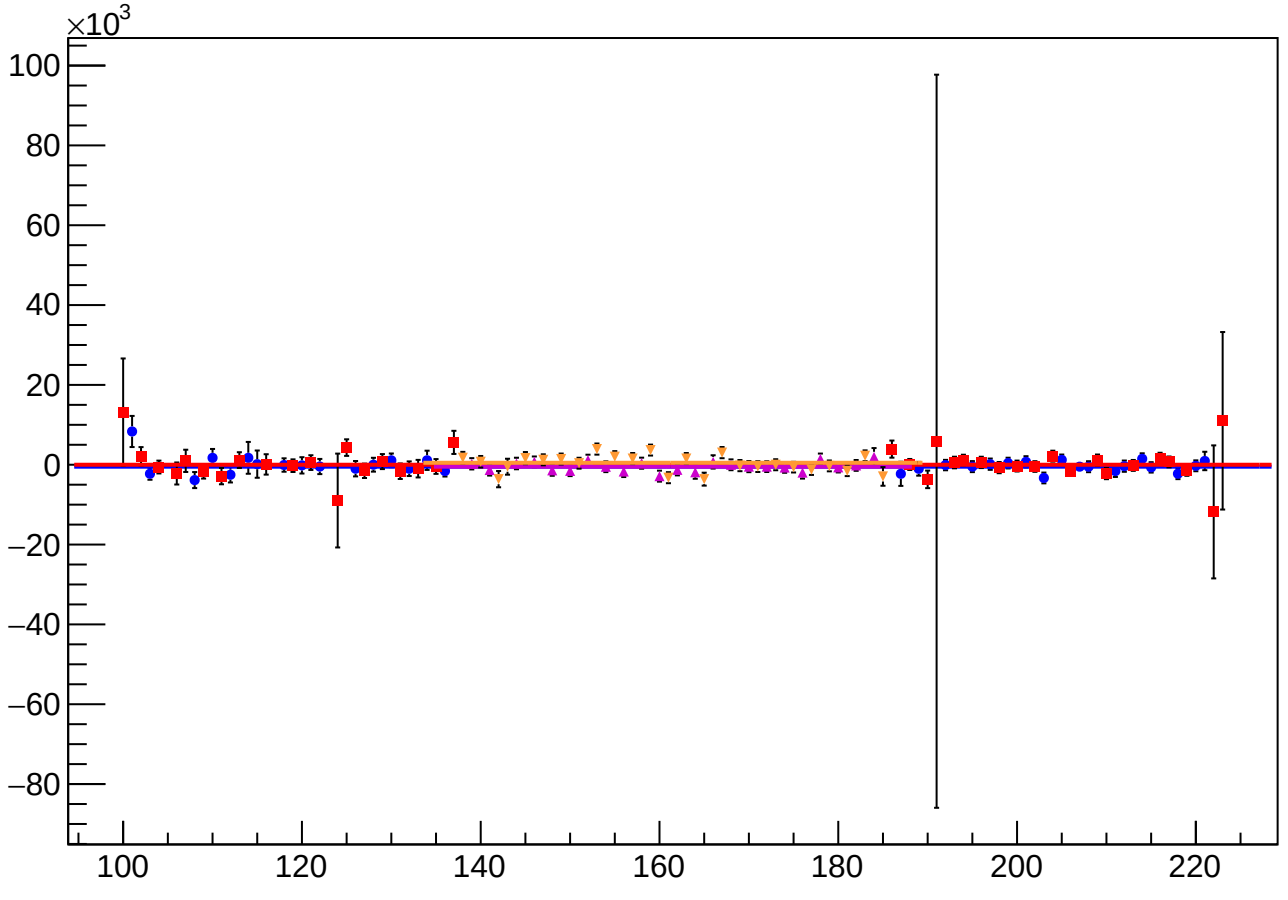
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 2025.182+/-0.288 χ^2/NDF: 38809685.9/72

In: 2938.607+/-0.388 χ^2/NDF:22341141.1/56

Out: 2273.408+/-0.316 χ^2/NDF:31595294.2/63

All: 2539.269+/-0.245 χ^2/NDF: 55704362.1/



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

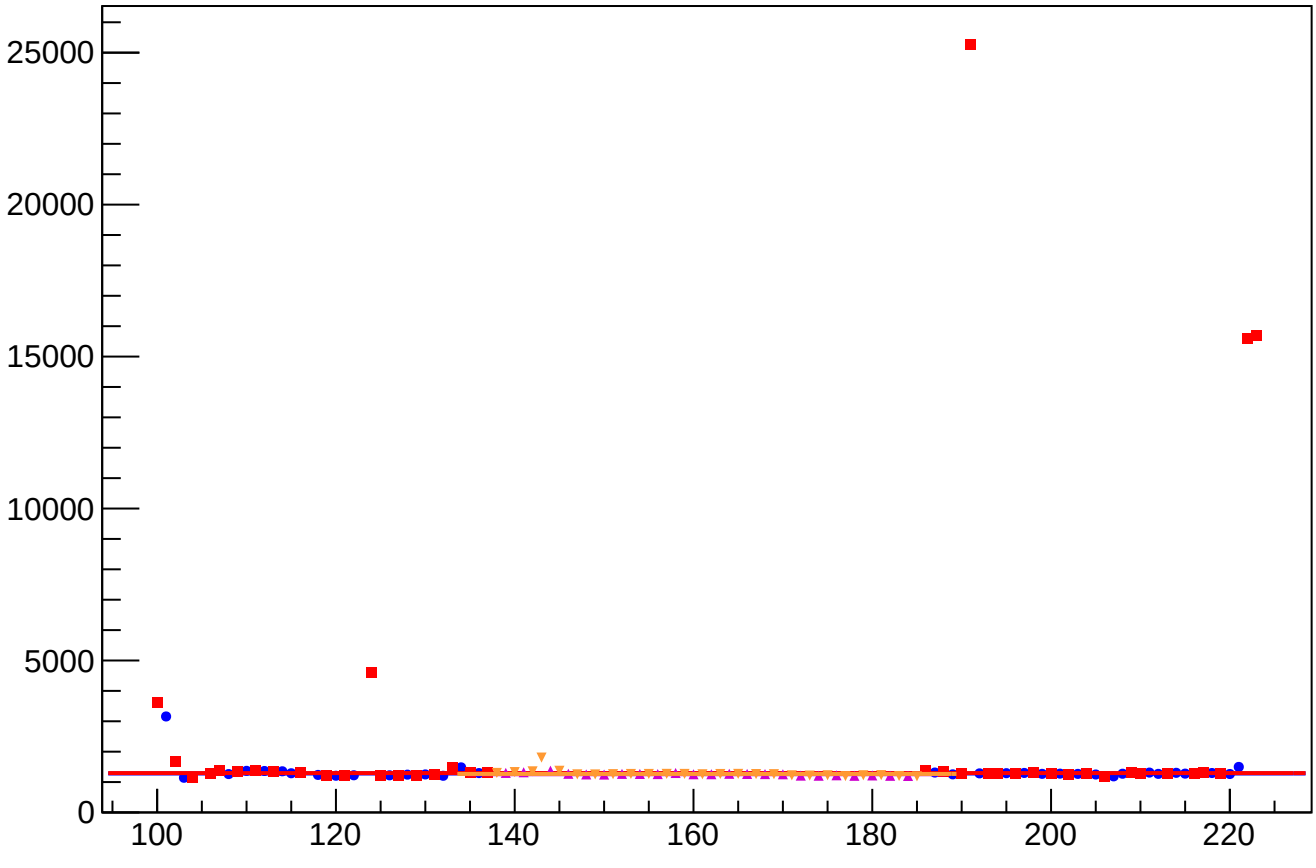
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.846+/-198.135 χ^2/NDF: 62.8/72

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 239.218+/-201.650 χ^2/NDF:83.1/63

All: -123.094+/-142.747 χ^2/NDF: 130.6/120



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

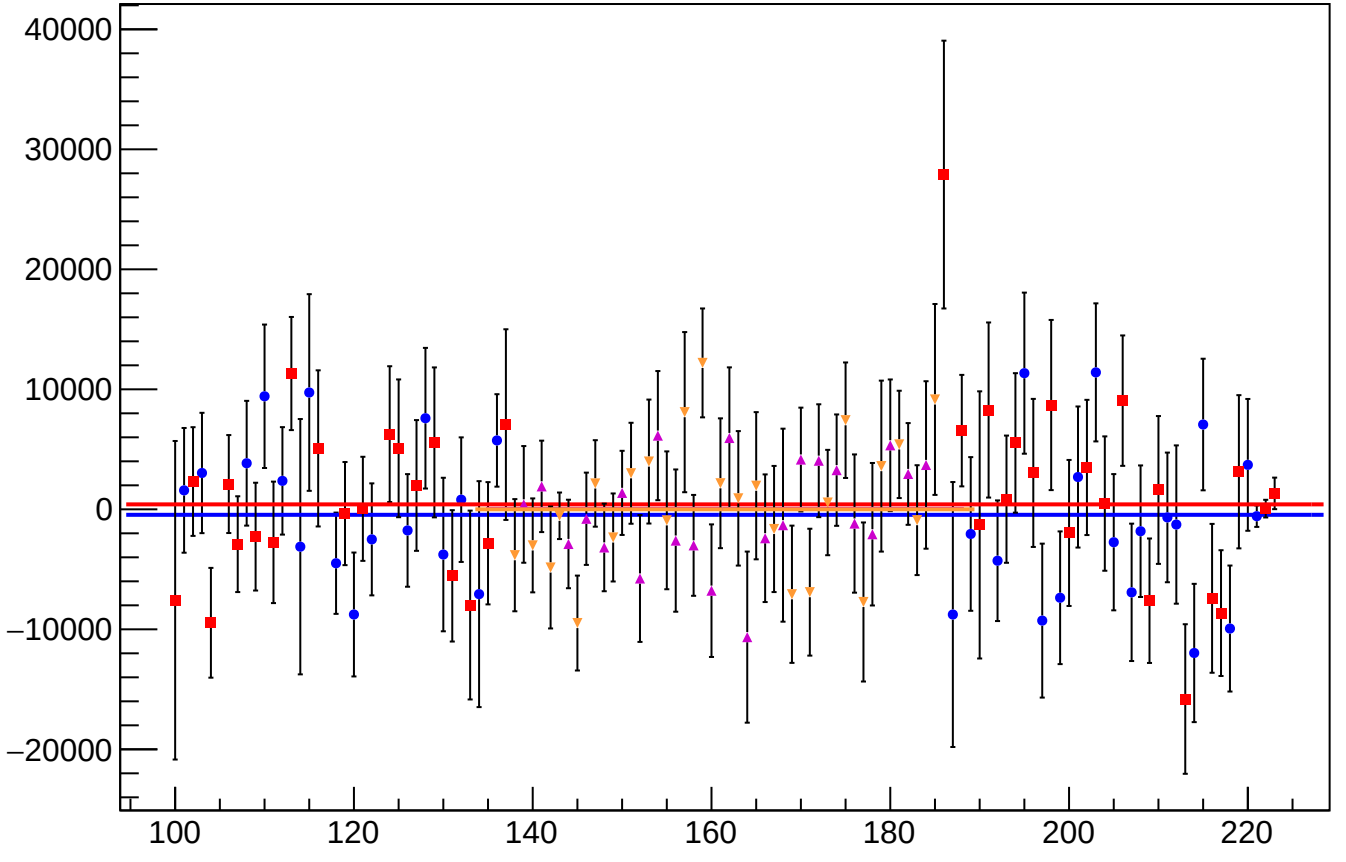
Right: 1288.758+/-0.140 χ^2/NDF: 3351858.6/72

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1281.601+/-0.143 χ^2/NDF:2998531.4/63

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

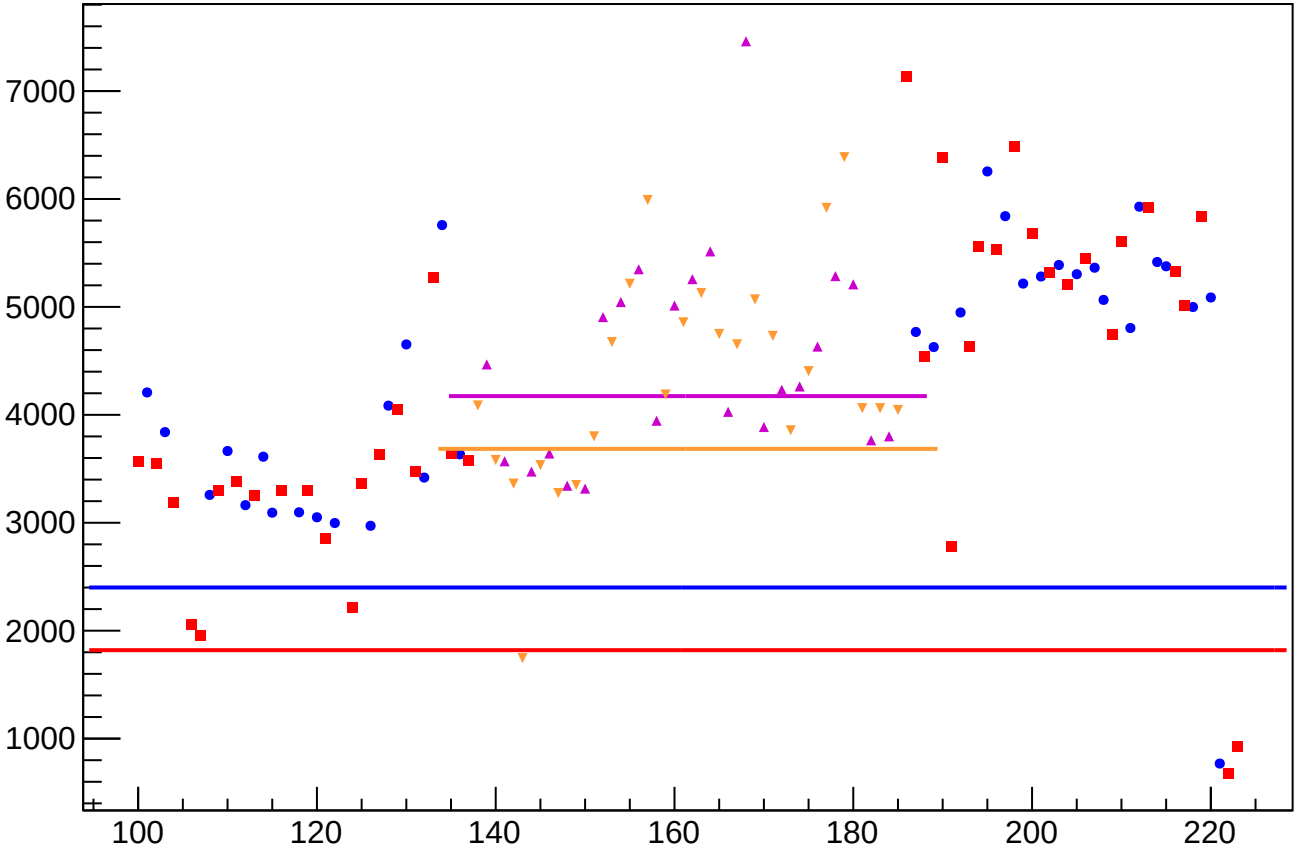
Right: 73.333+/-409.970 χ^2/NDF: 87.4/72

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 305.371+/-451.625 χ^2/NDF:76.8/63

All: 56.795+/-348.545 χ^2/NDF: 130.5/120

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

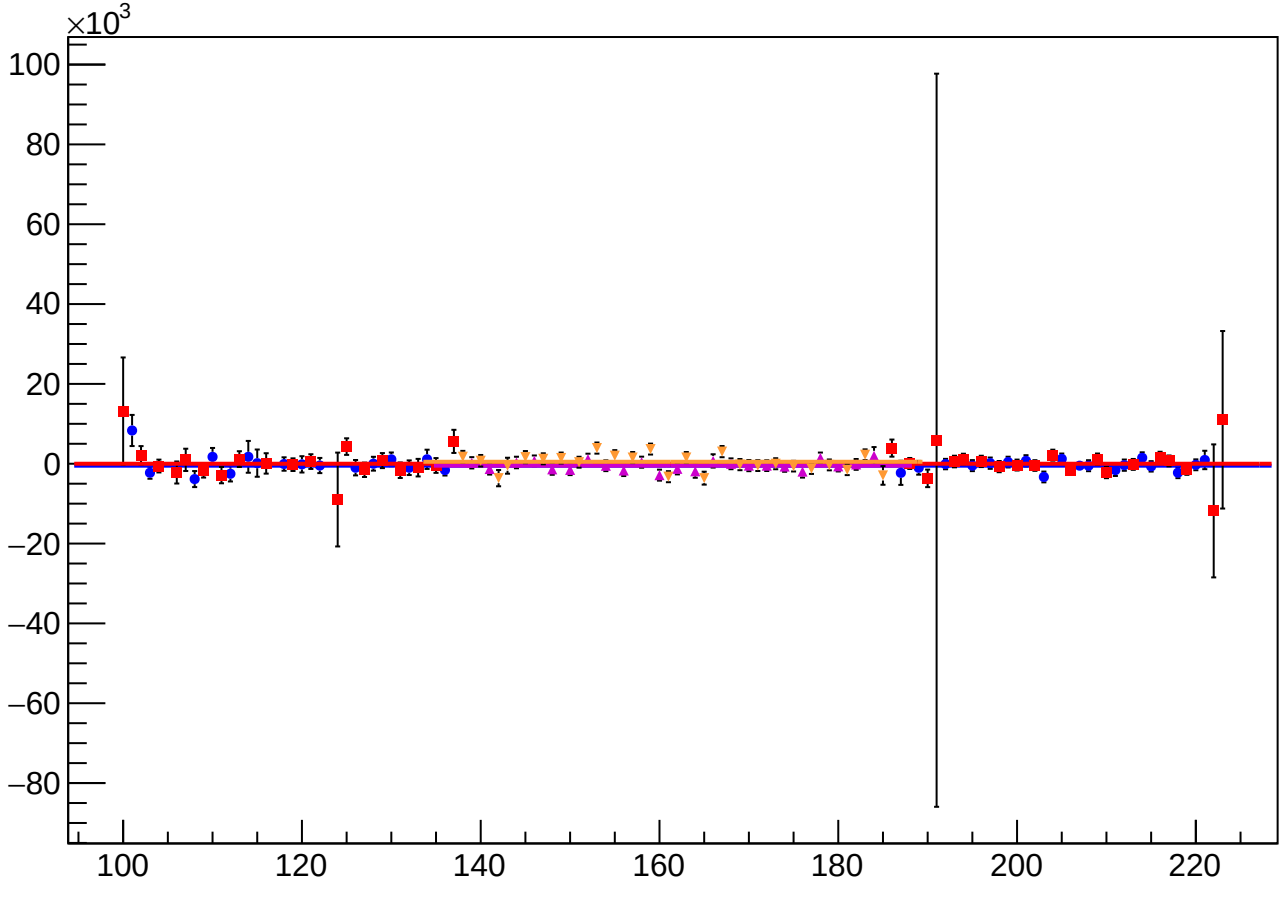
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2045.883+/-0.290 χ^2/NDF: 38613405.6/72

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 2303.613+/-0.319 χ^2/NDF:31257907.0/63

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/1



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

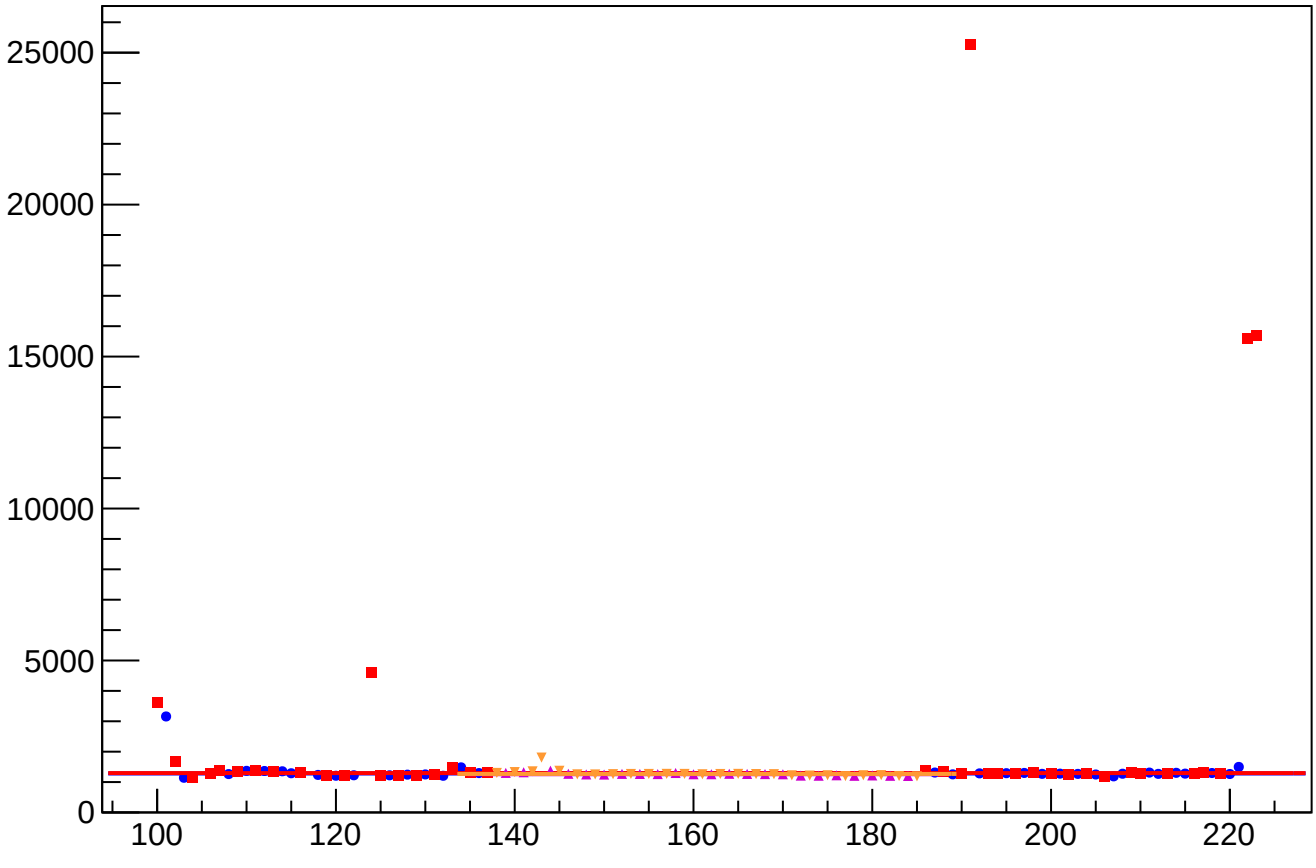
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.846+/-198.135 χ^2/NDF: 62.8/72

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 239.218+/-201.650 χ^2/NDF:83.1/63

All: -123.094+/-142.747 χ^2/NDF: 130.6/120



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

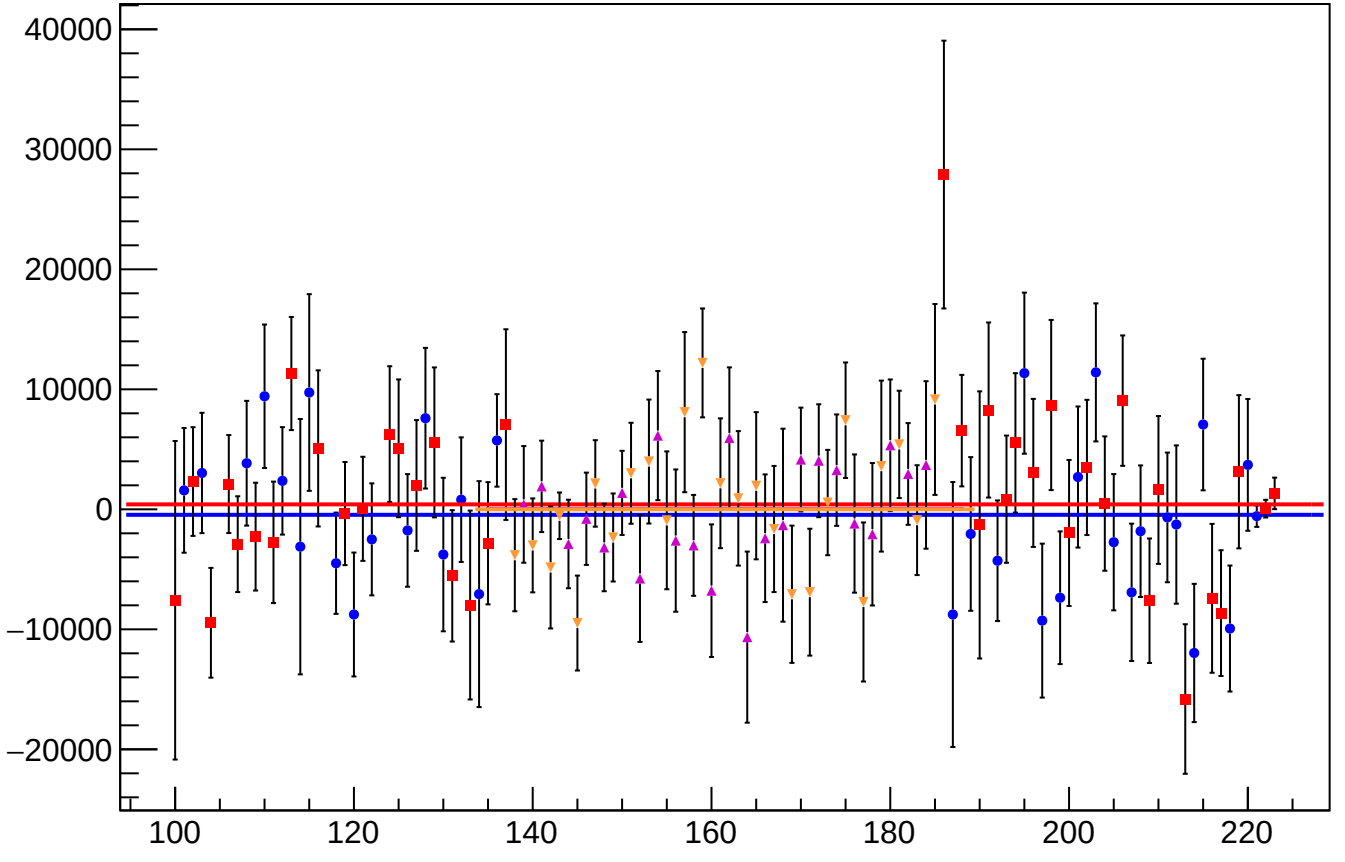
Right: 1288.758+/-0.140 χ^2/NDF: 3351858.6/72

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1281.601+/-0.143 χ^2/NDF:2998531.4/63

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

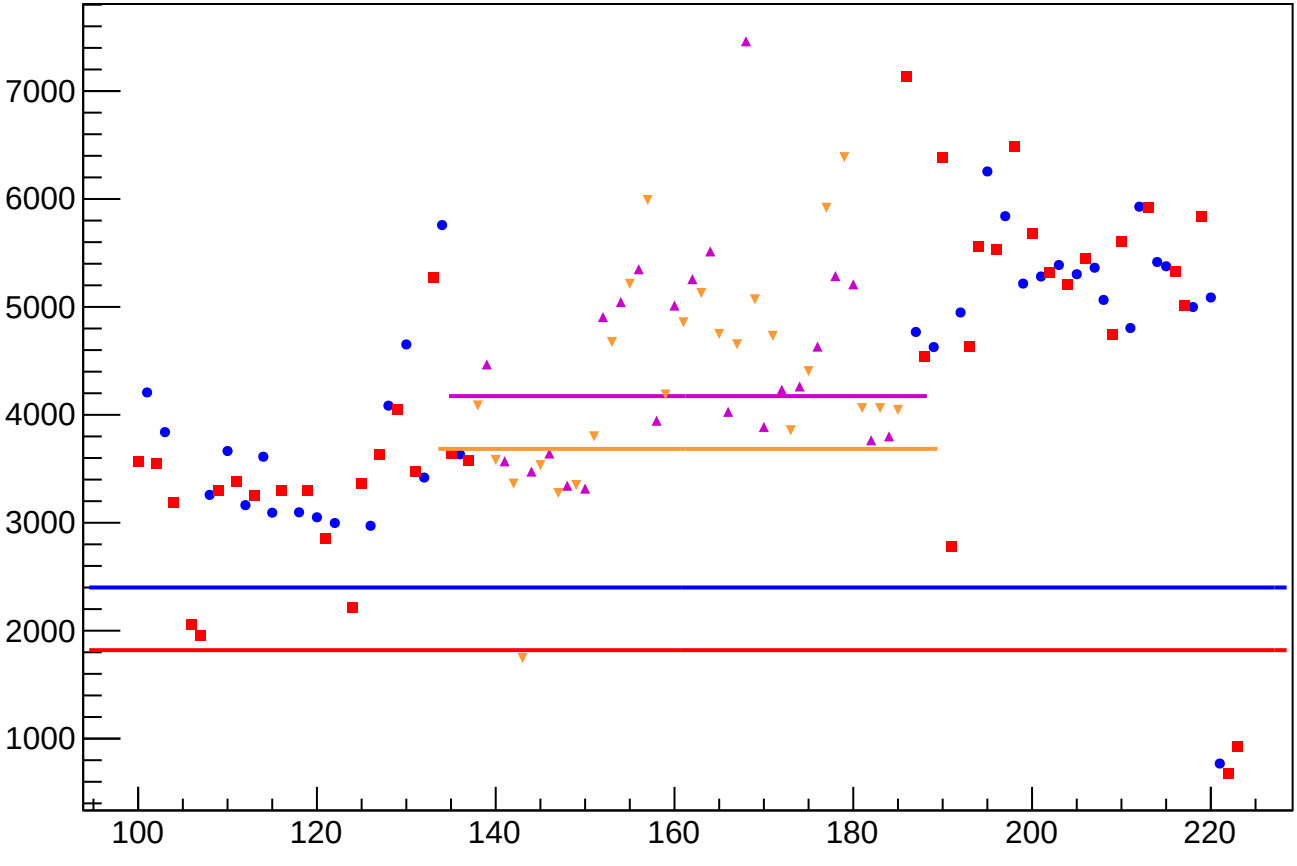
Right: 73.333+/-409.970 χ^2/NDF: 87.4/72

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 305.371+/-451.625 χ^2/NDF:76.8/63

All: 56.795+/-348.545 χ^2/NDF: 130.5/120

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

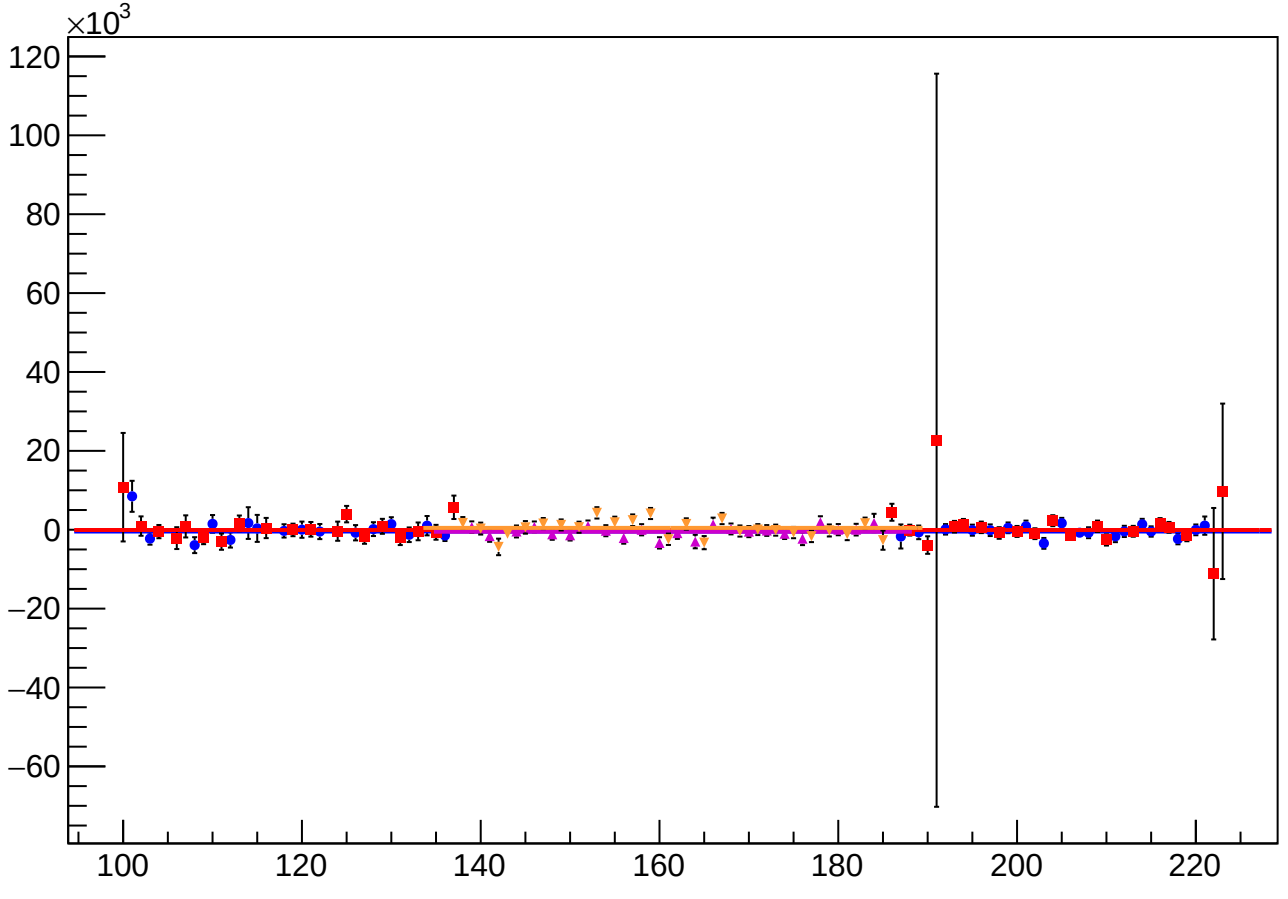
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2045.883+/-0.290 χ^2/NDF: 38613405.6/72

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 2303.613+/-0.319 χ^2/NDF:31257907.0/63

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/



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

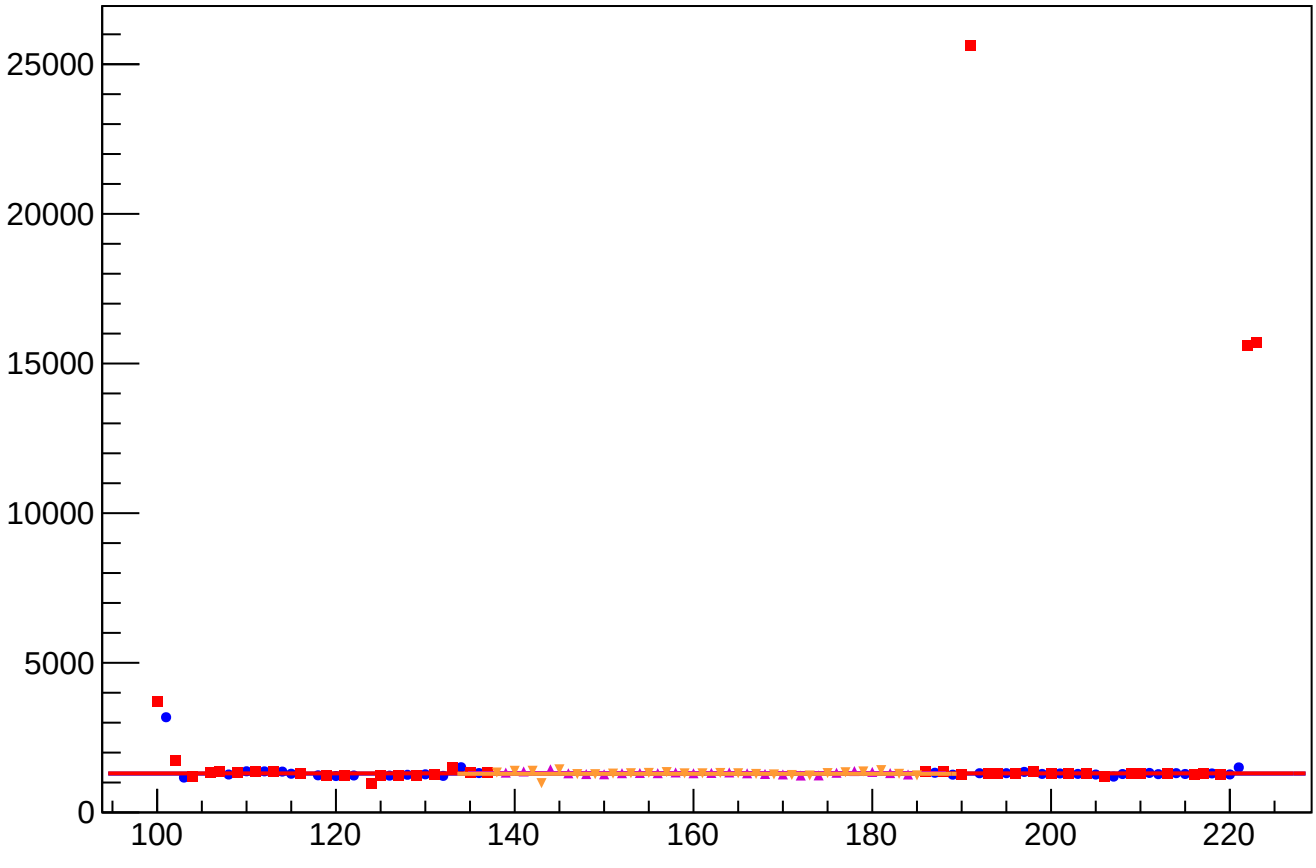
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -259.485+/-200.026 χ^2/NDF: 64.8/72

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 190.535+/-204.348 χ^2/NDF:81.6/63

All: -136.211+/-145.634 χ^2/NDF: 132.3/120



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

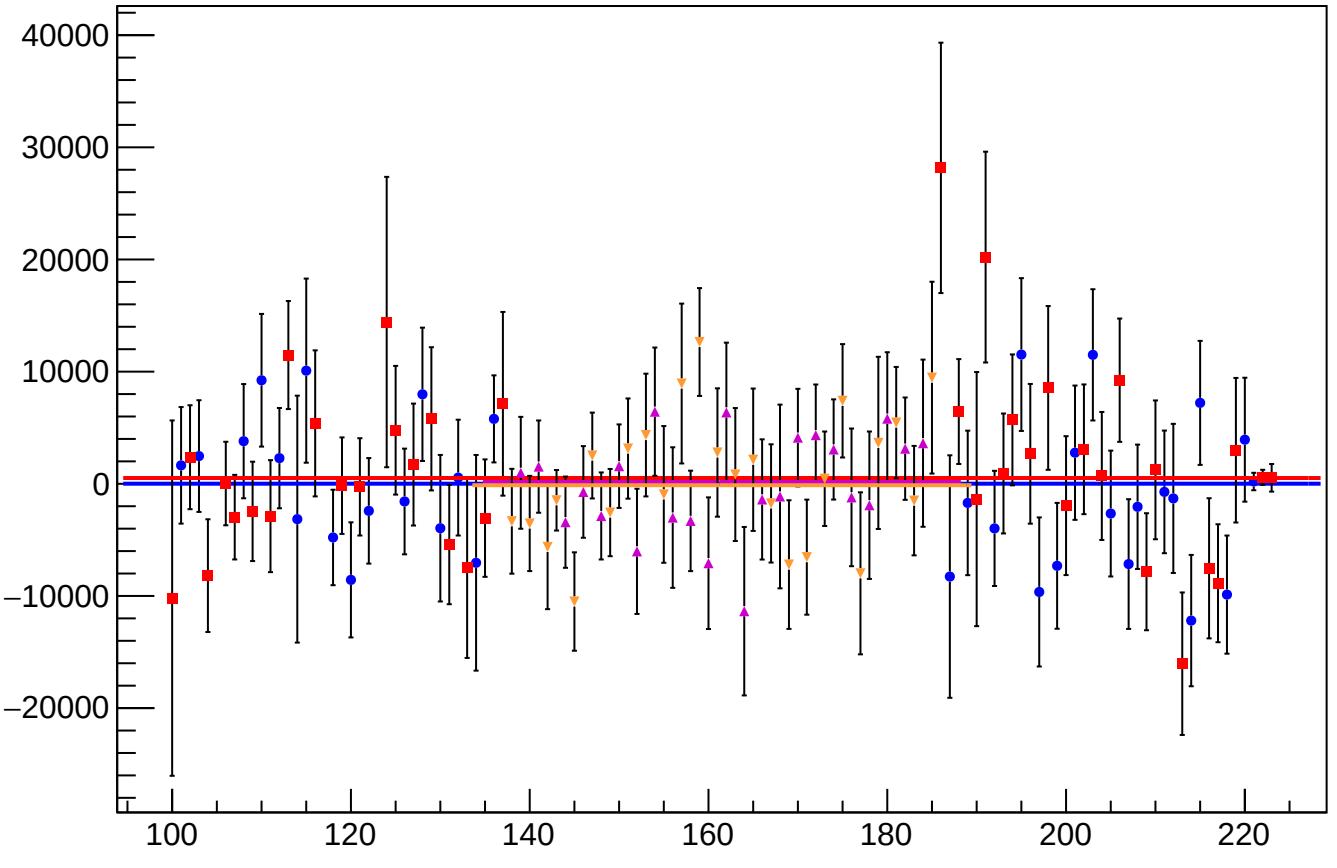
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1301.602+/-0.141 χ^2/NDF: 3234892.4/72

In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1298.890+/-0.144 χ^2/NDF:2920021.1/63

All: 1301.847+/-0.103 χ^2/NDF: 3514424.4/12



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

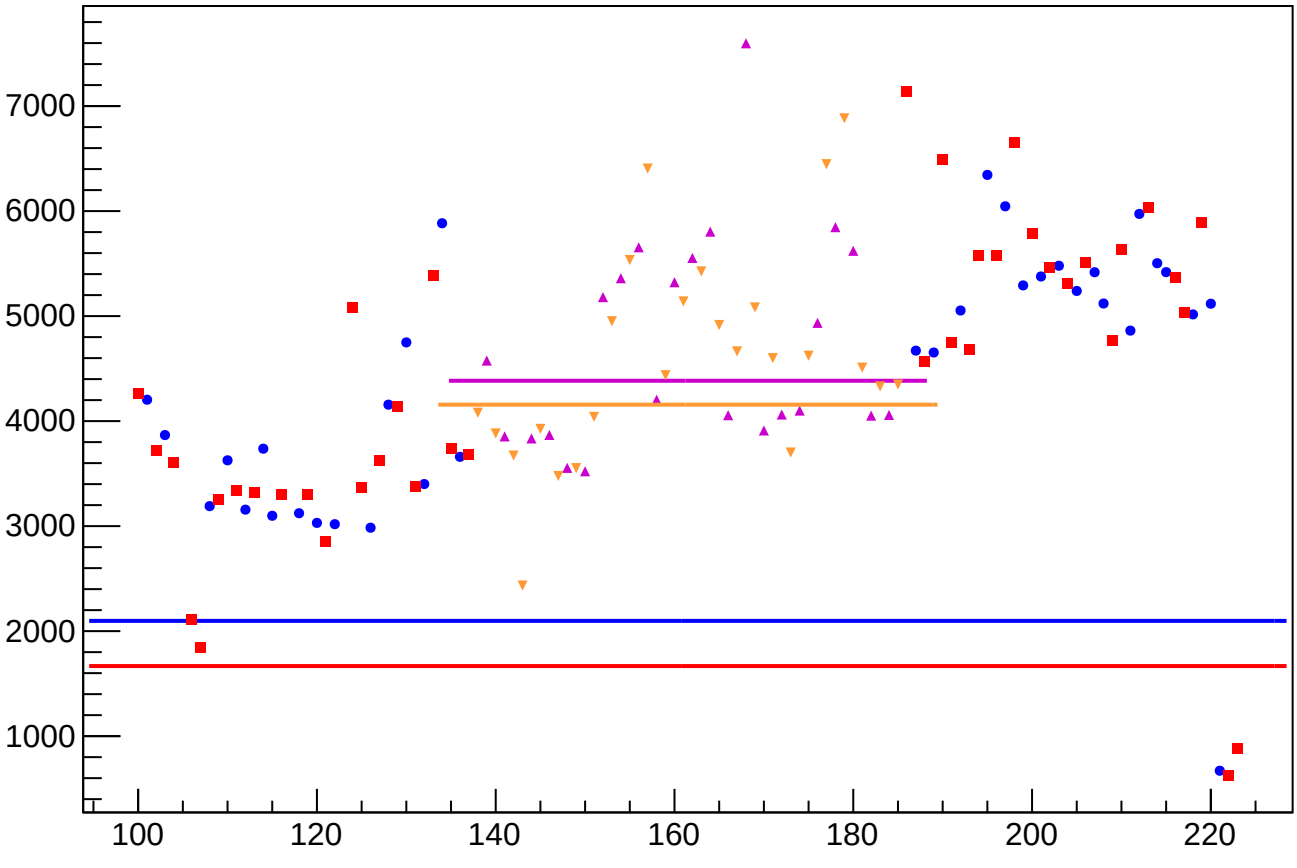
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 311.975+/-385.017 χ^2/NDF: 87.6/72

In: 46.484+/-525.409 χ^2/NDF:52.4/56

Out: 383.207+/-443.442 χ^2/NDF:77.4/63

All: 243.131+/-338.878 χ^2/NDF: 130.1/120



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

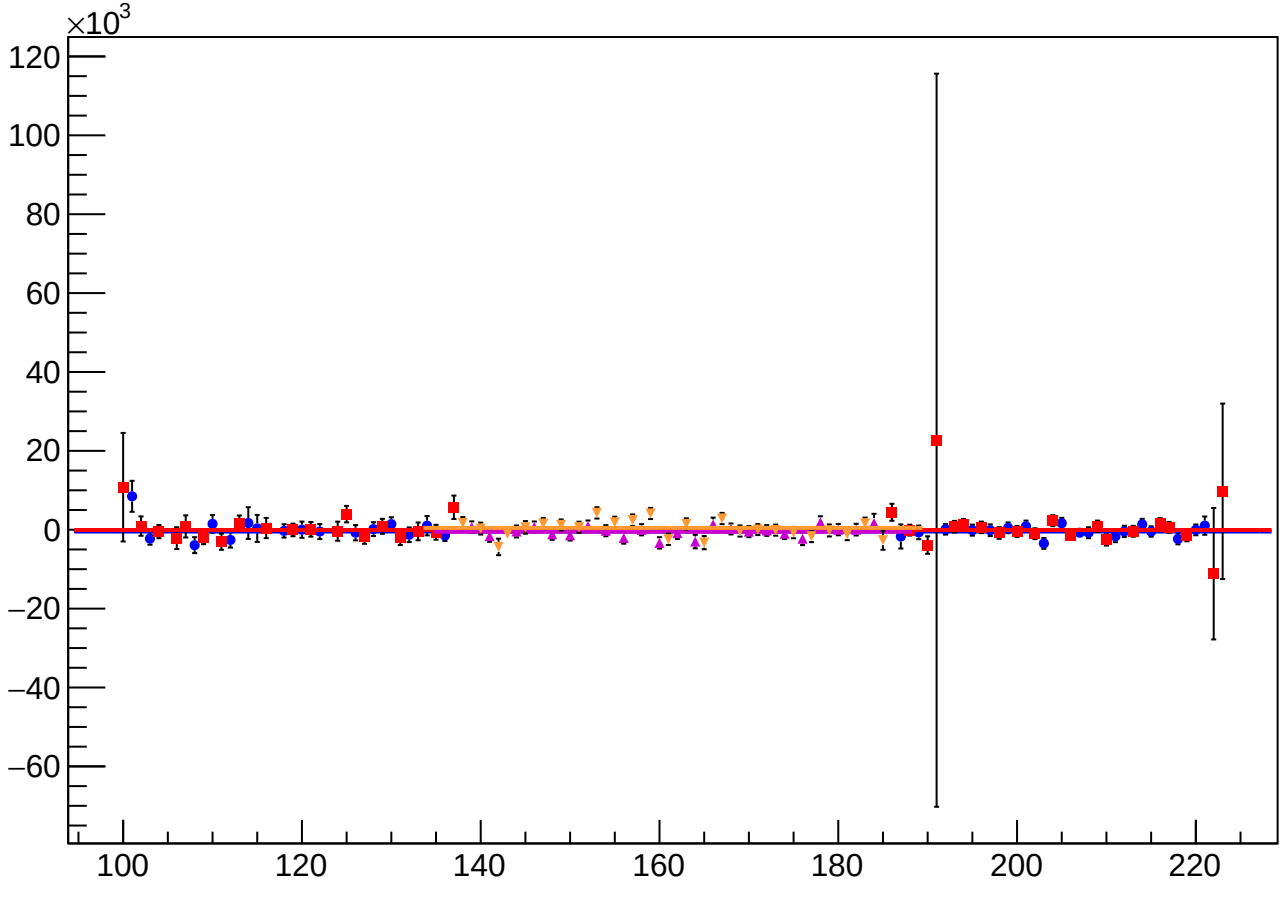
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 1840.090+/-0.272 χ^2/NDF: 43286353.6/72

In: 2675.167+/-0.372 χ^2/NDF:27977193.8/56

Out: 2179.927+/-0.314 χ^2/NDF:35500411.9/63

All: 2385.946+/-0.240 χ^2/NDF: 64515326.3/1



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

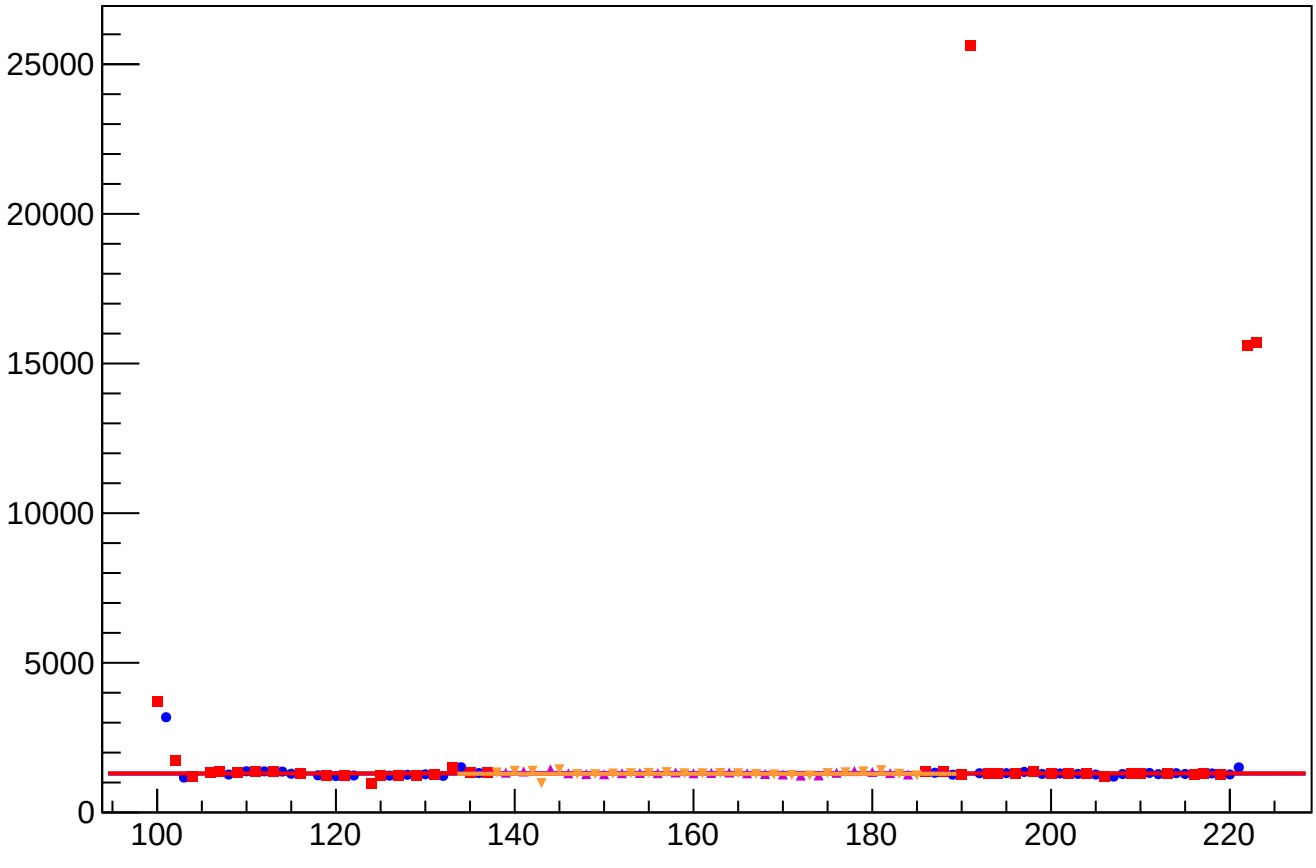
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -259.484+/-200.026 χ^2/NDF: 64.8/72

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 190.536+/-204.349 χ^2/NDF:81.6/63

All: -136.210+/-145.634 χ^2/NDF: 132.3/120



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

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

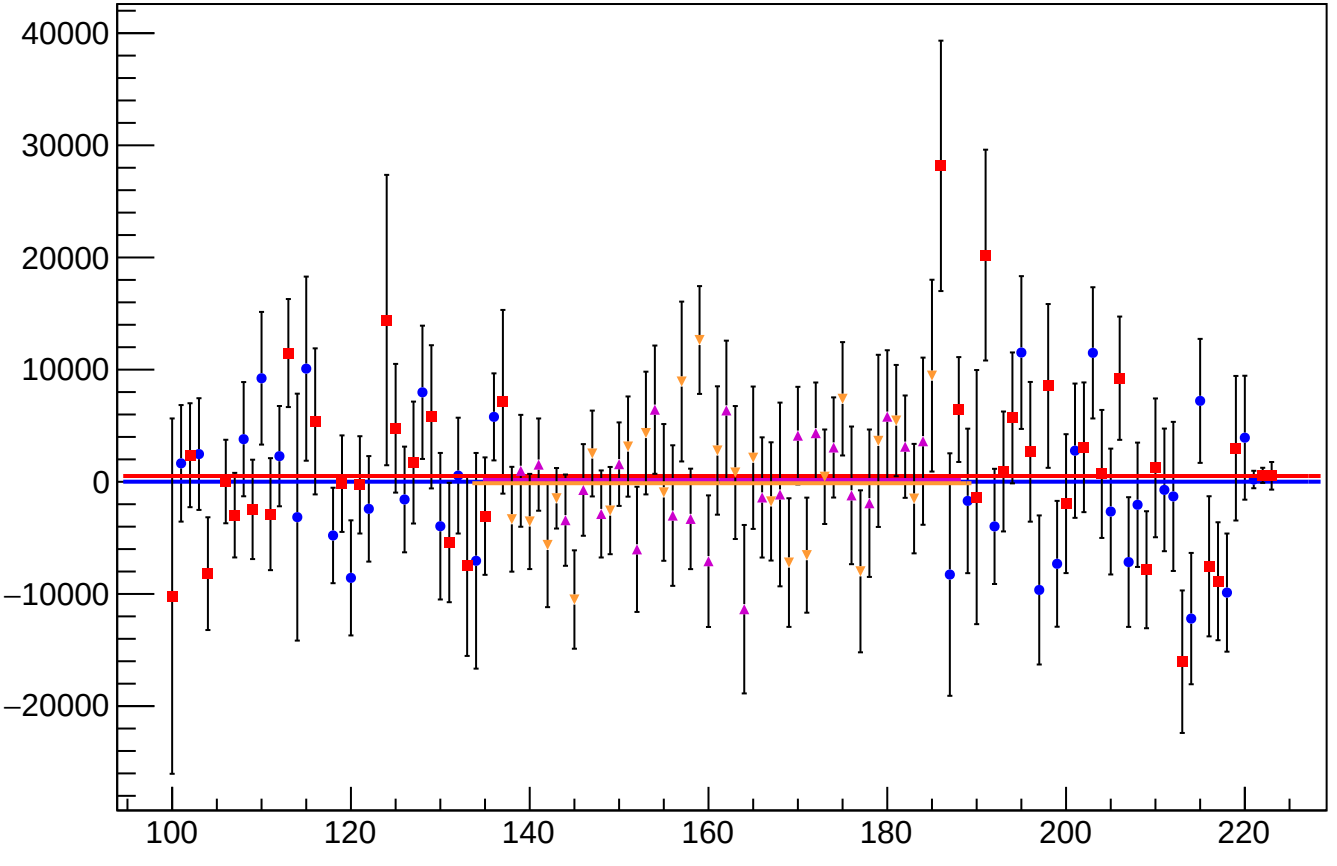
Right: 1301.602+/-0.141 χ^2/NDF: 3234892.6/72

In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1298.891+/-0.144 χ^2/NDF:2920023.3/63

All: 1301.847+/-0.103 χ^2/NDF: 3514429.2/12

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

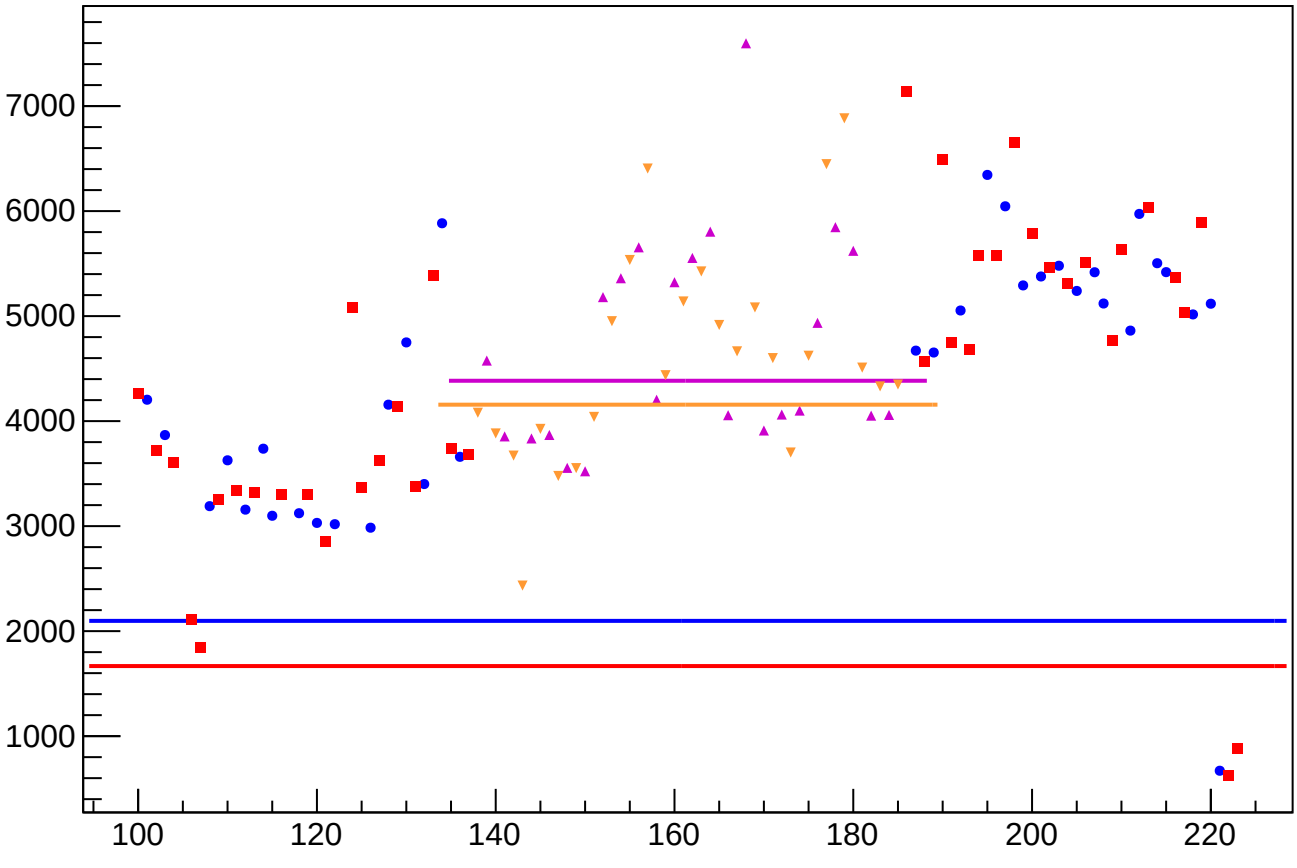
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

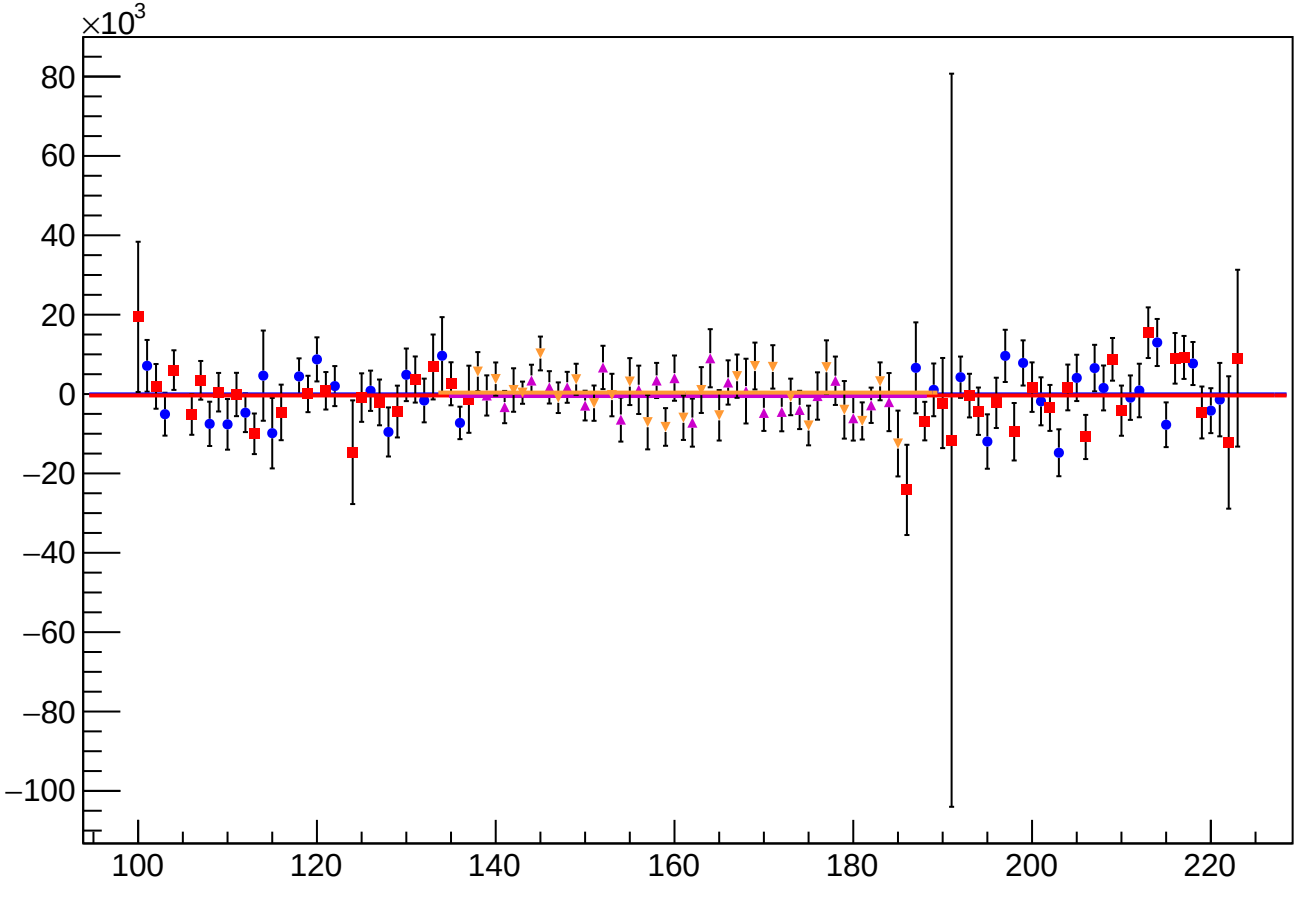
Right: 311.979+/-385.018 χ^2/NDF: 87.6/72

In: 46.490+/-525.411 χ^2/NDF:52.4/56

Out: 383.209+/-443.443 χ^2/NDF:77.4/63

All: 243.134+/-338.879 χ^2/NDF: 130.1/120


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2097.705+/-0.430 χ²/NDF: 19570803.2/33
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 1667.380+/-0.352 χ²/NDF: 23115034.3/38
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 1840.101+/-0.272 χ²/NDF: 43286133.1/72
In: 2675.184+/-0.372 χ²/NDF:27976943.3/56
Out: 2179.935+/-0.314 χ²/NDF:35500284.0/63
All: 2385.957+/-0.240 χ²/NDF: 64514977.8/



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

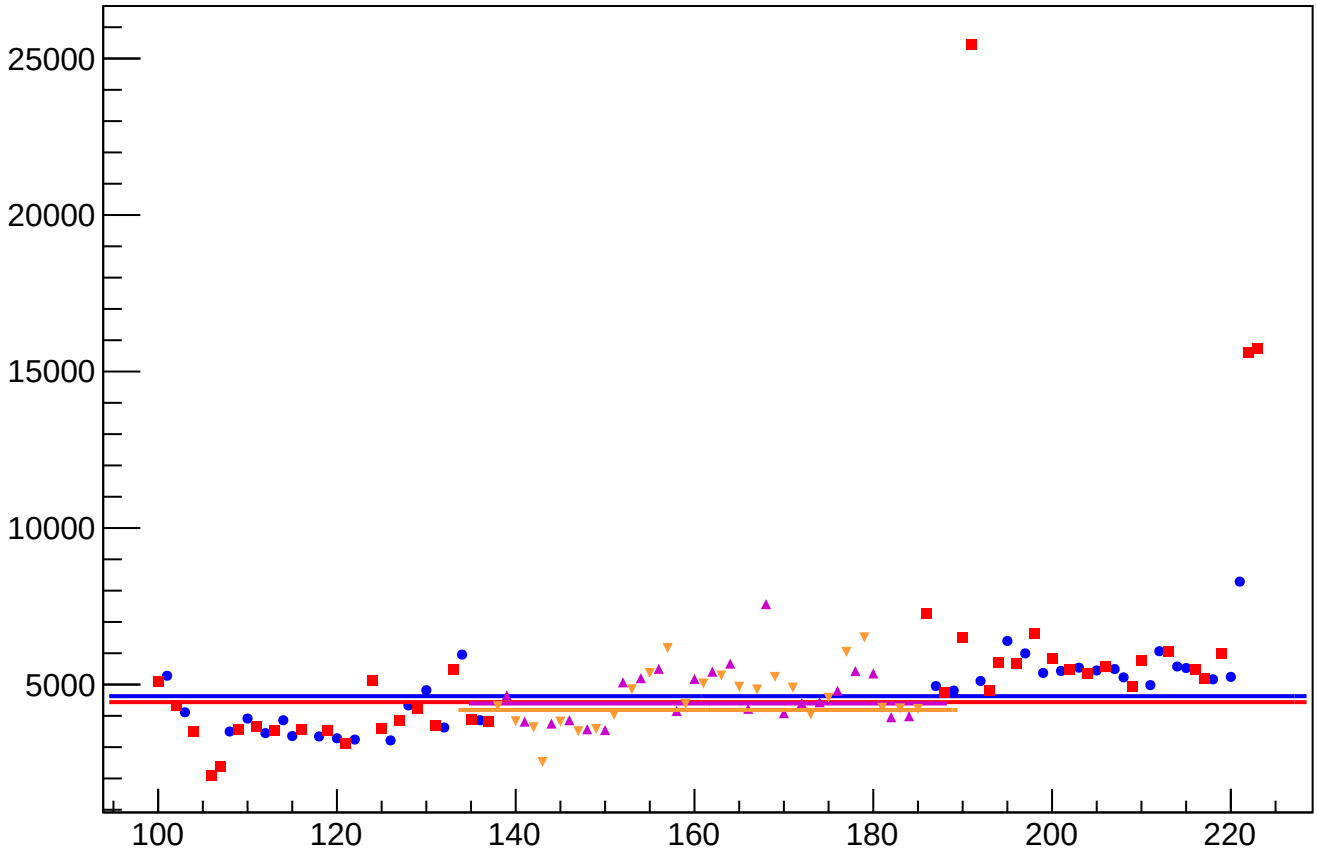
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -222.822+/-710.703 χ^2/NDF: 83.8/72

In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 9.083+/-697.656 χ^2/NDF:67.7/63

All: -131.912+/-503.947 χ^2/NDF: 125.8/120



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

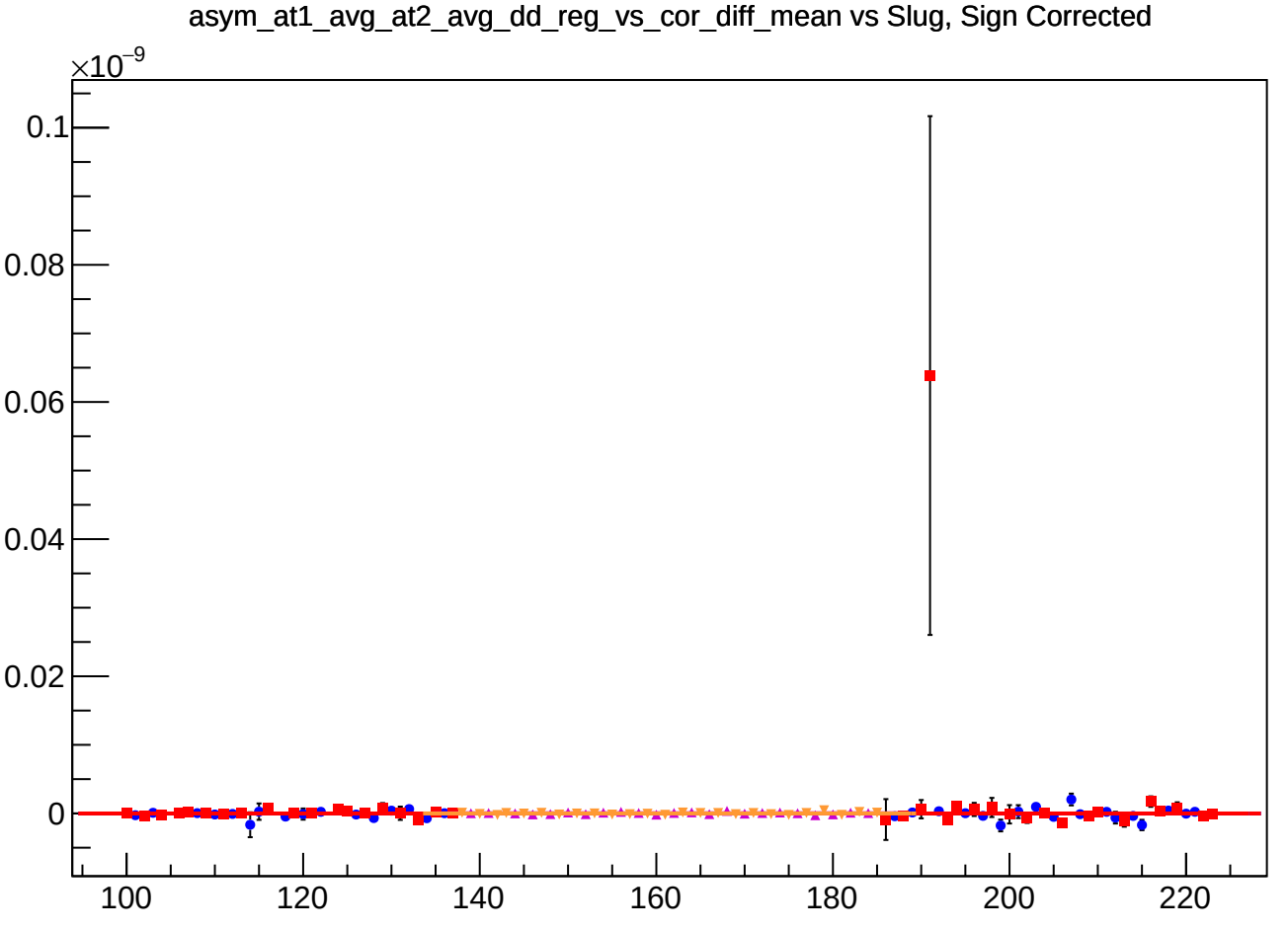
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4530.346+/-0.501 χ^2/NDF: 6562482.9/72

In: 4514.482+/-0.515 χ^2/NDF:3234954.2/56

Out: 4312.256+/-0.491 χ^2/NDF:6292653.7/63

All: 4408.583+/-0.356 χ^2/NDF: 9608259.9/12



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

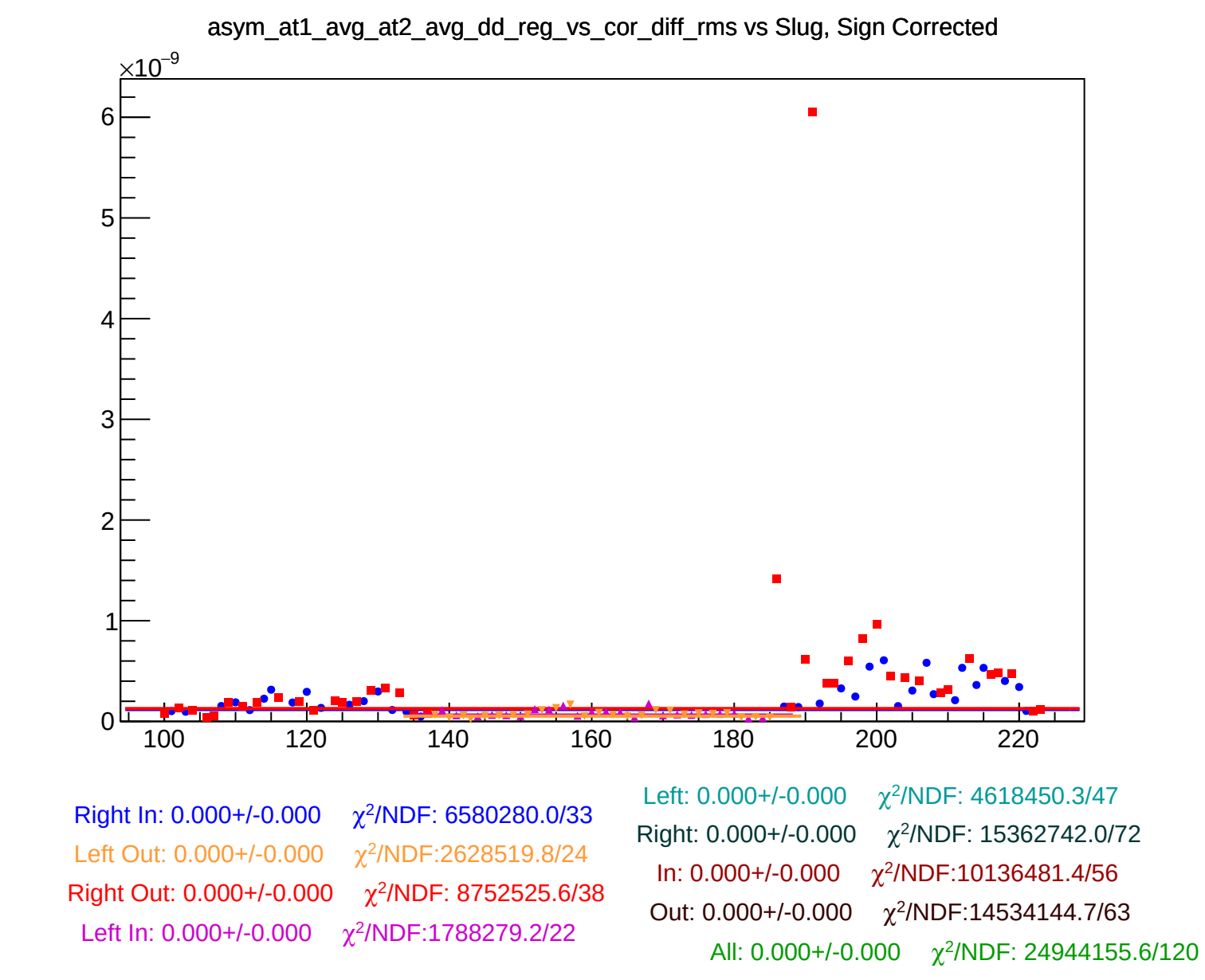
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 87.2/72

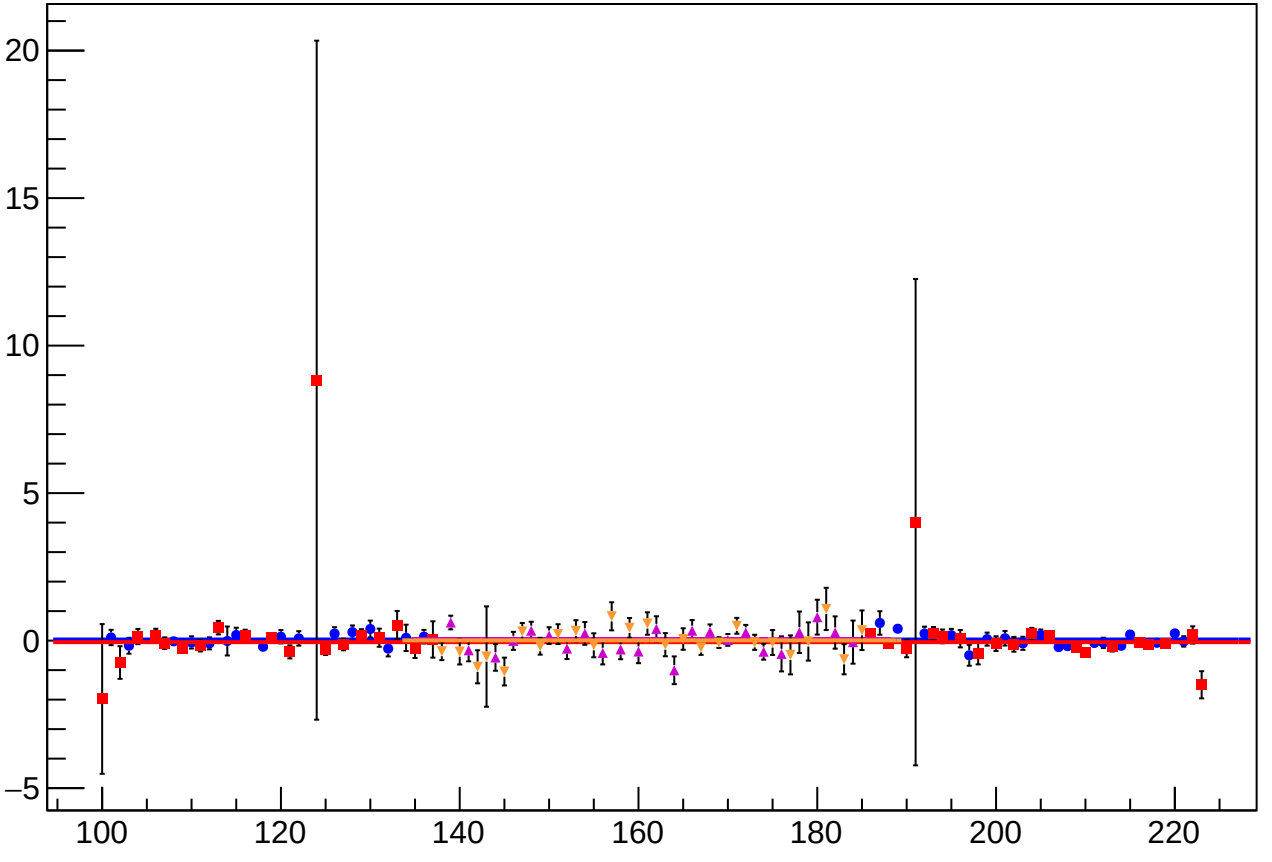
In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:75.4/63

All: 0.000+/-0.000 χ^2/NDF: 135.4/120


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 15362742.0/72
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14534144.7/63
All: 0.000+/-0.000 χ²/NDF: 24944155.6/120

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

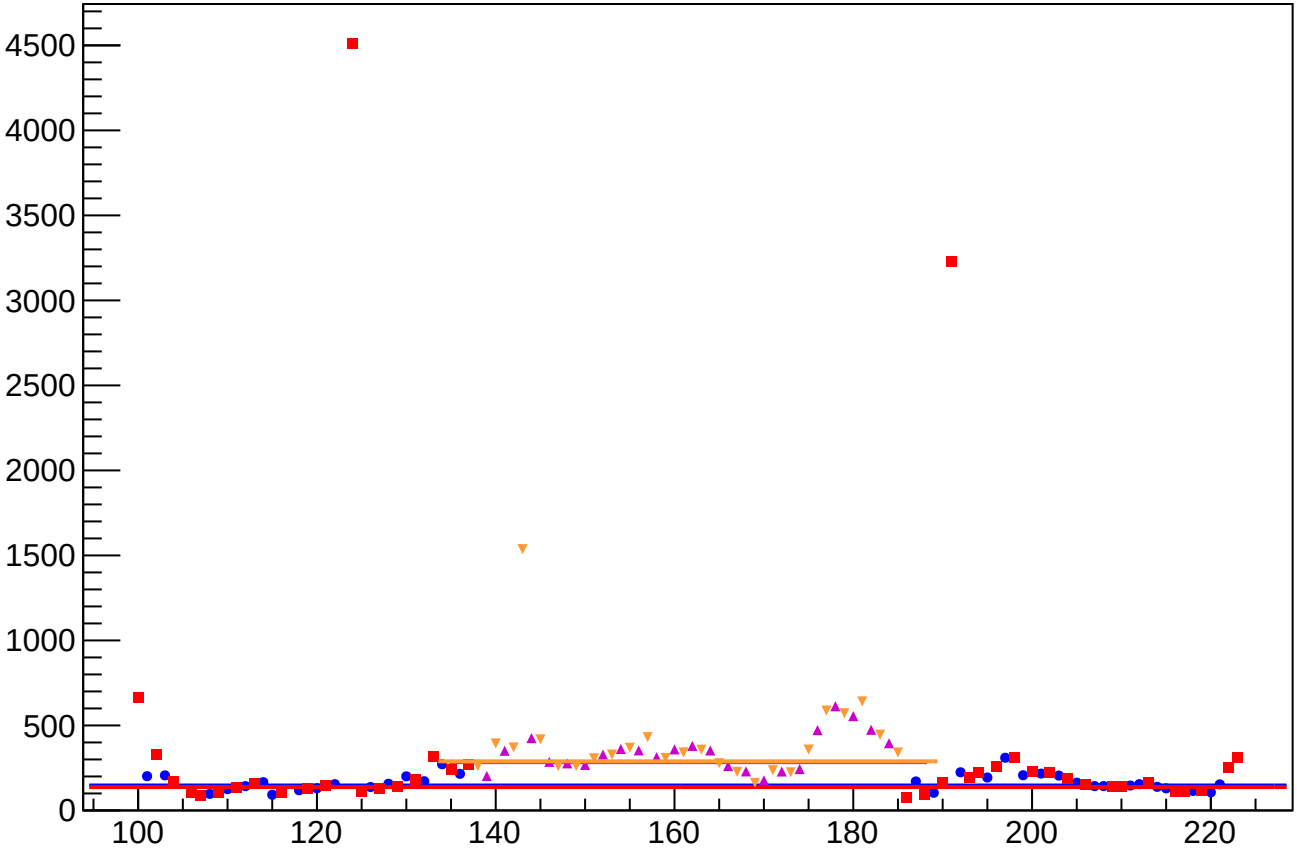
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

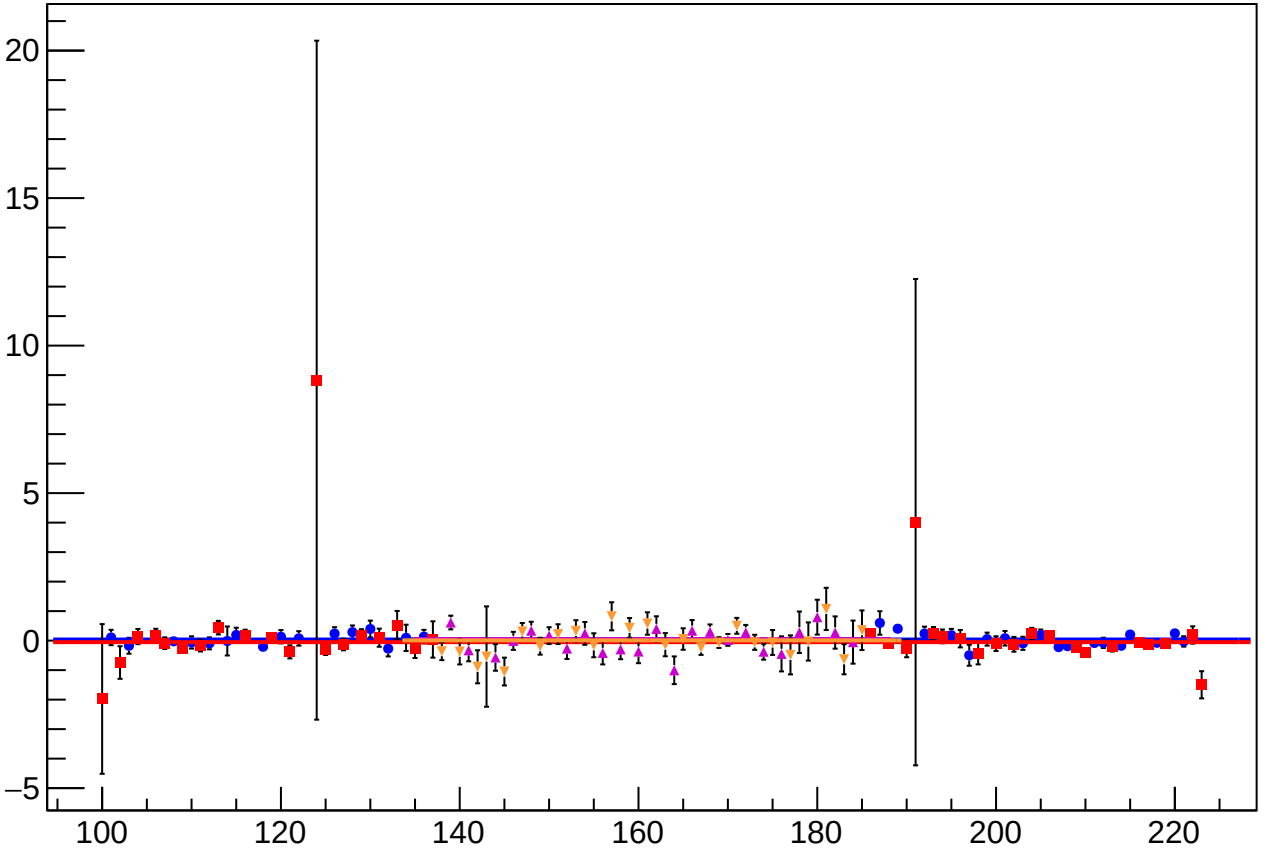
Right: 141.965+/-0.016 χ^2/NDF: 8409430.8/72

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.914+/-0.021 χ^2/NDF:17754436.1/63

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

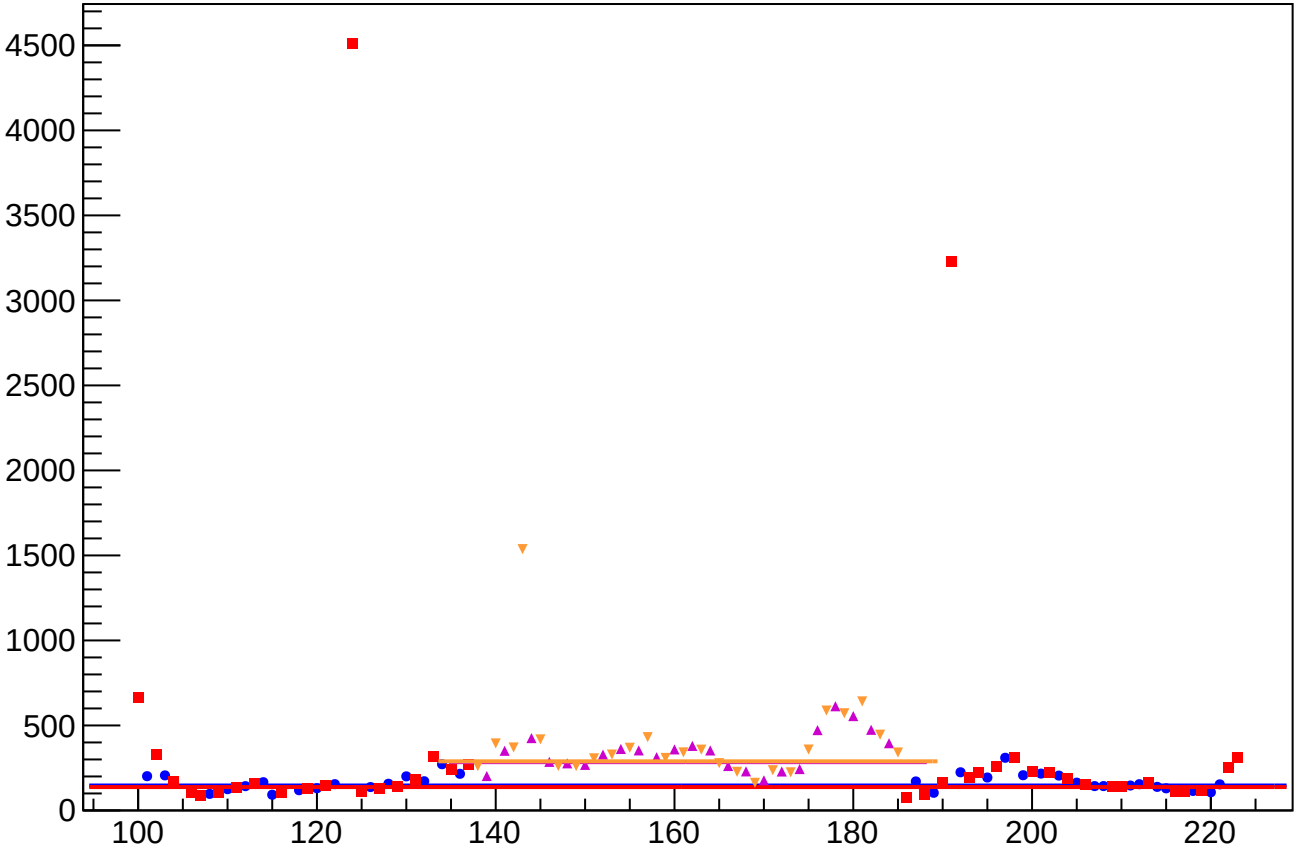
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

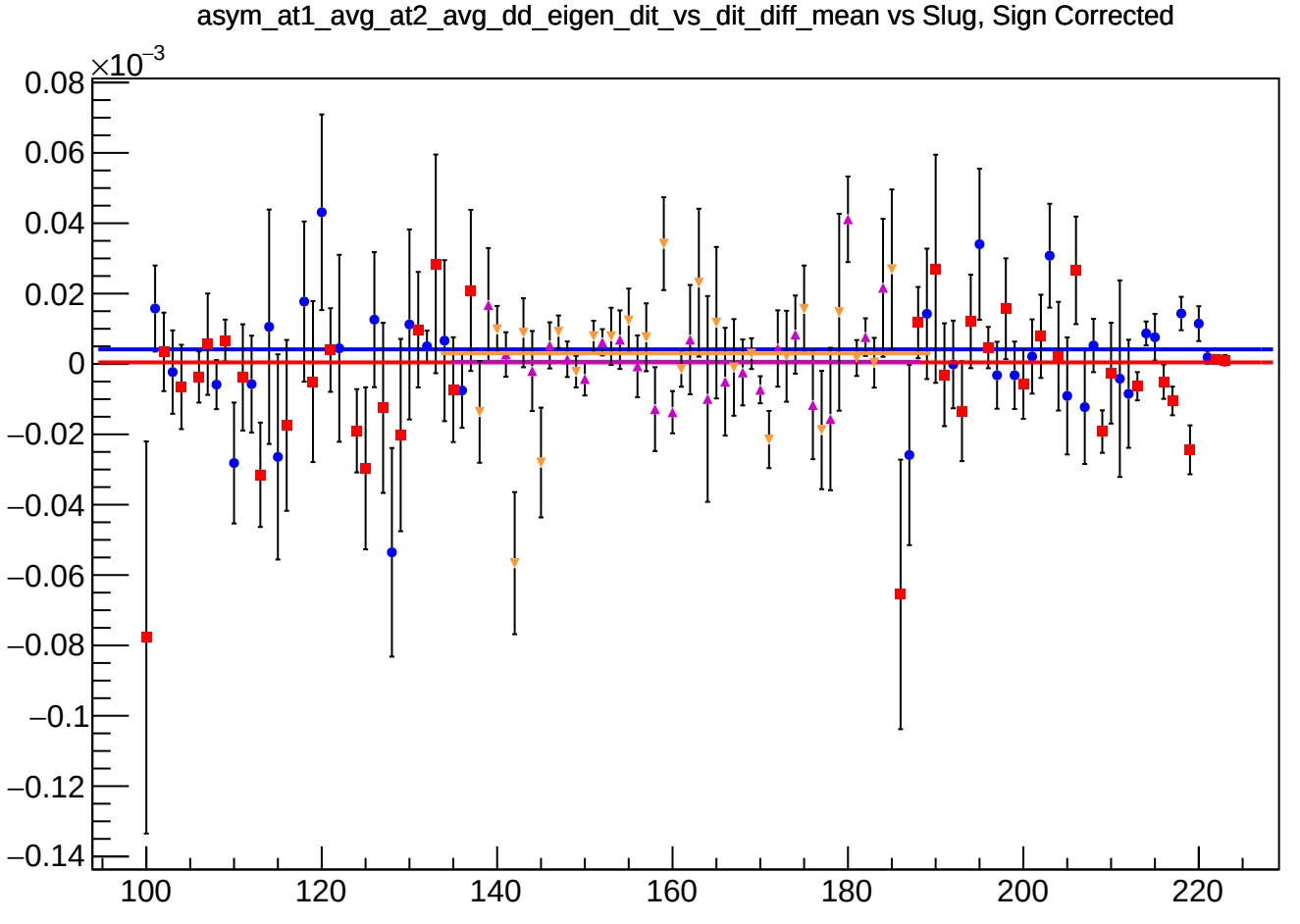
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 141.965+/-0.016 χ^2/NDF: 8409430.8/72

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.914+/-0.021 χ^2/NDF:17754436.1/63

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12



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

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

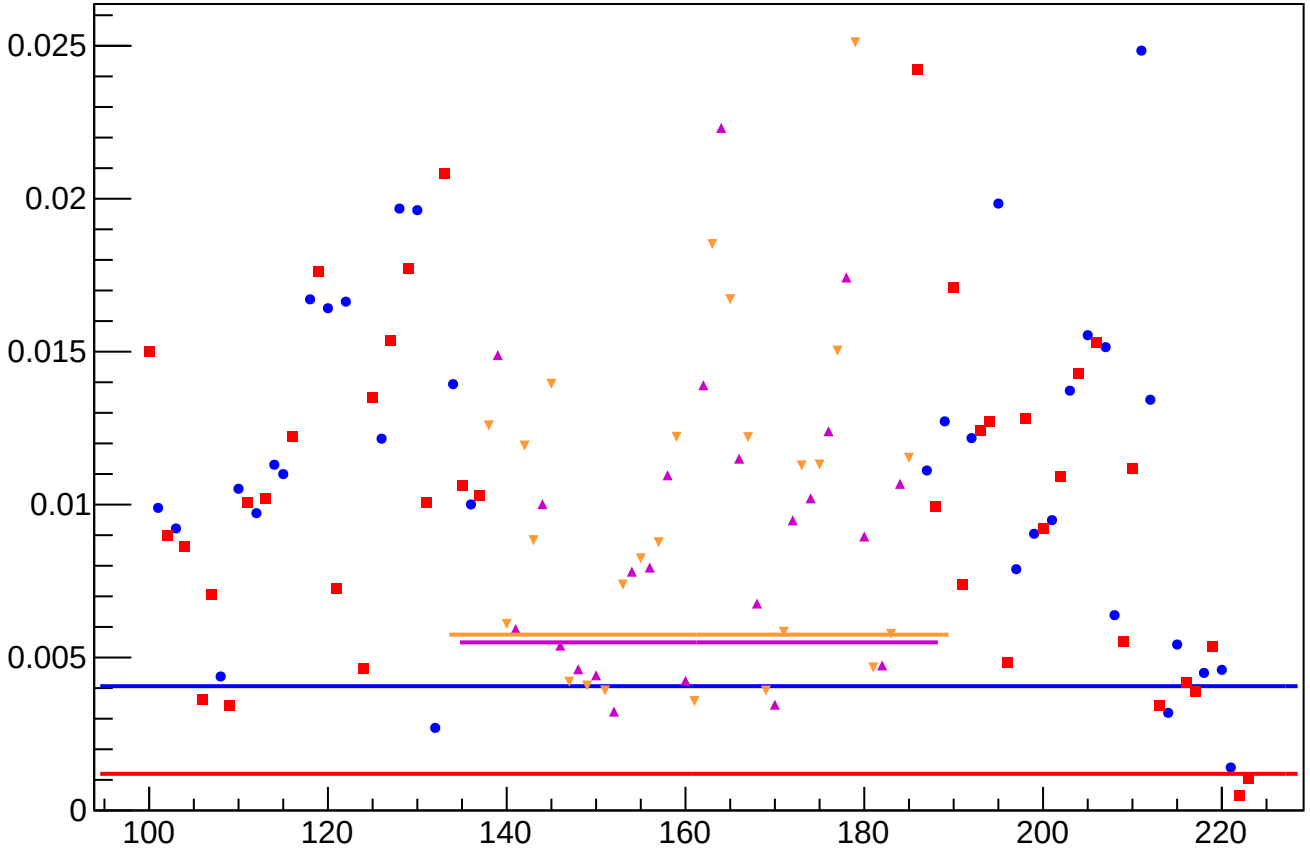
Right: 0.000+/-0.000 χ^2/NDF: 110.2/72

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: 0.000+/-0.000 χ^2/NDF:110.1/63

All: 0.000+/-0.000 χ^2/NDF: 187.3/120

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

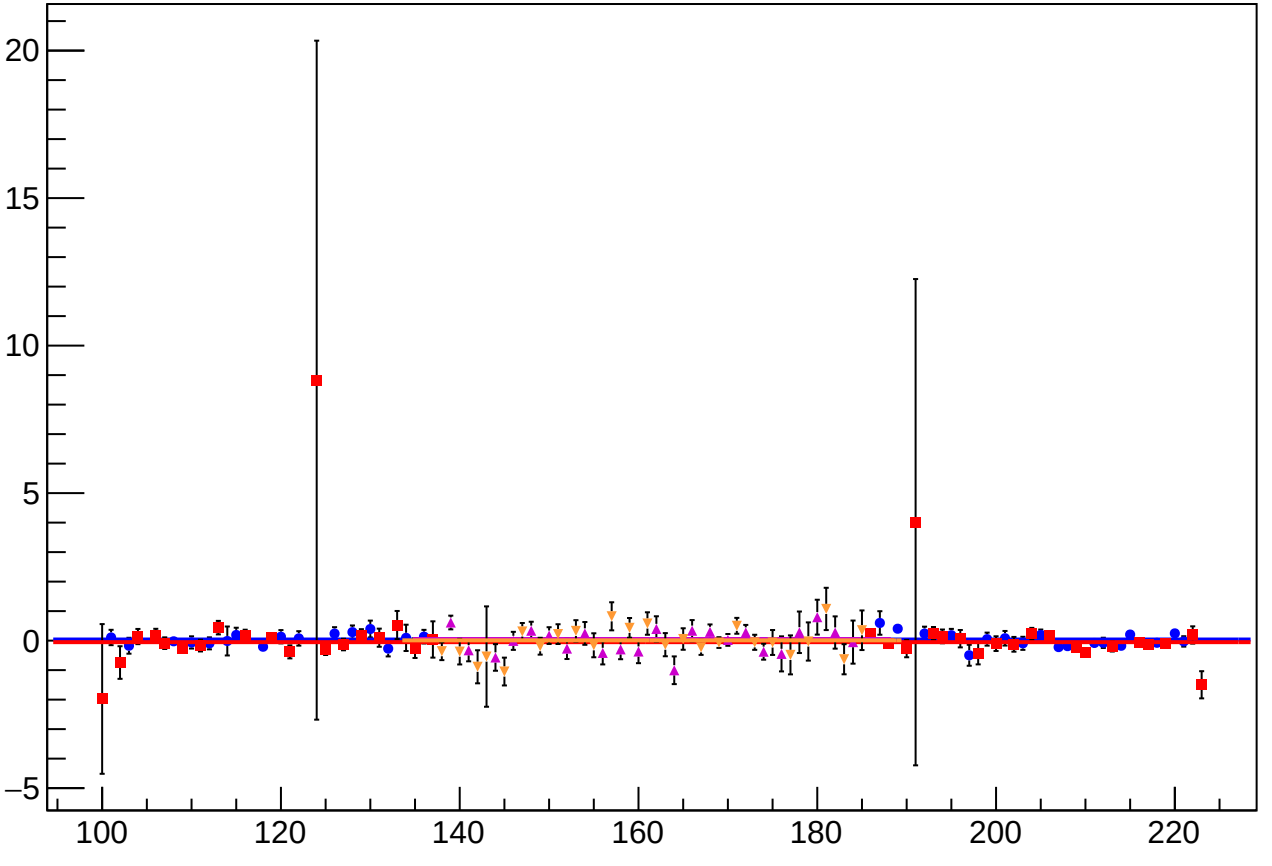
Right: 0.002+/-0.000 χ^2/NDF: 60530282.1/72

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.002+/-0.000 χ^2/NDF:56300032.4/63

All: 0.002+/-0.000 χ^2/NDF: 98287235.8/120

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

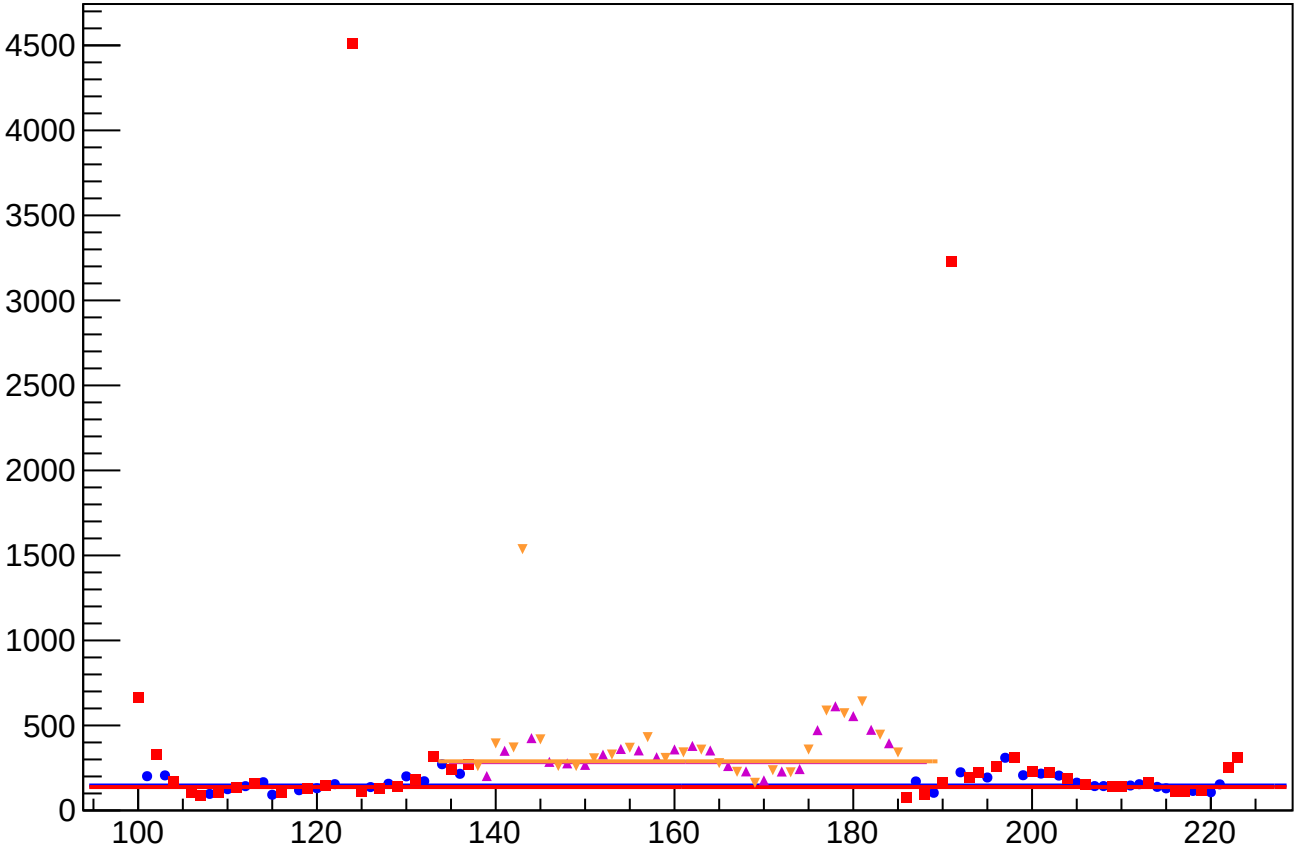
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

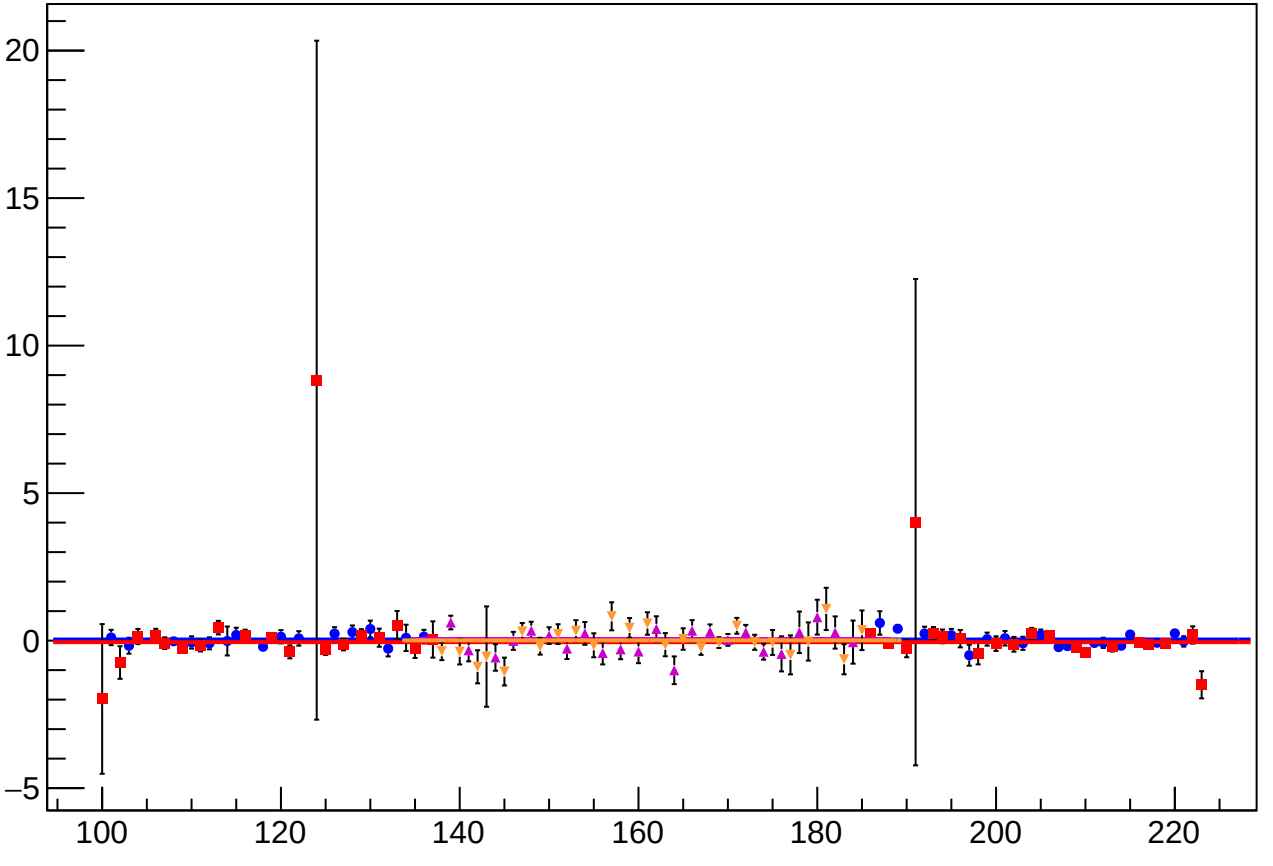
Right: 141.967+/-0.016 χ^2/NDF: 8409224.5/72

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.916+/-0.021 χ^2/NDF:17754201.0/63

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

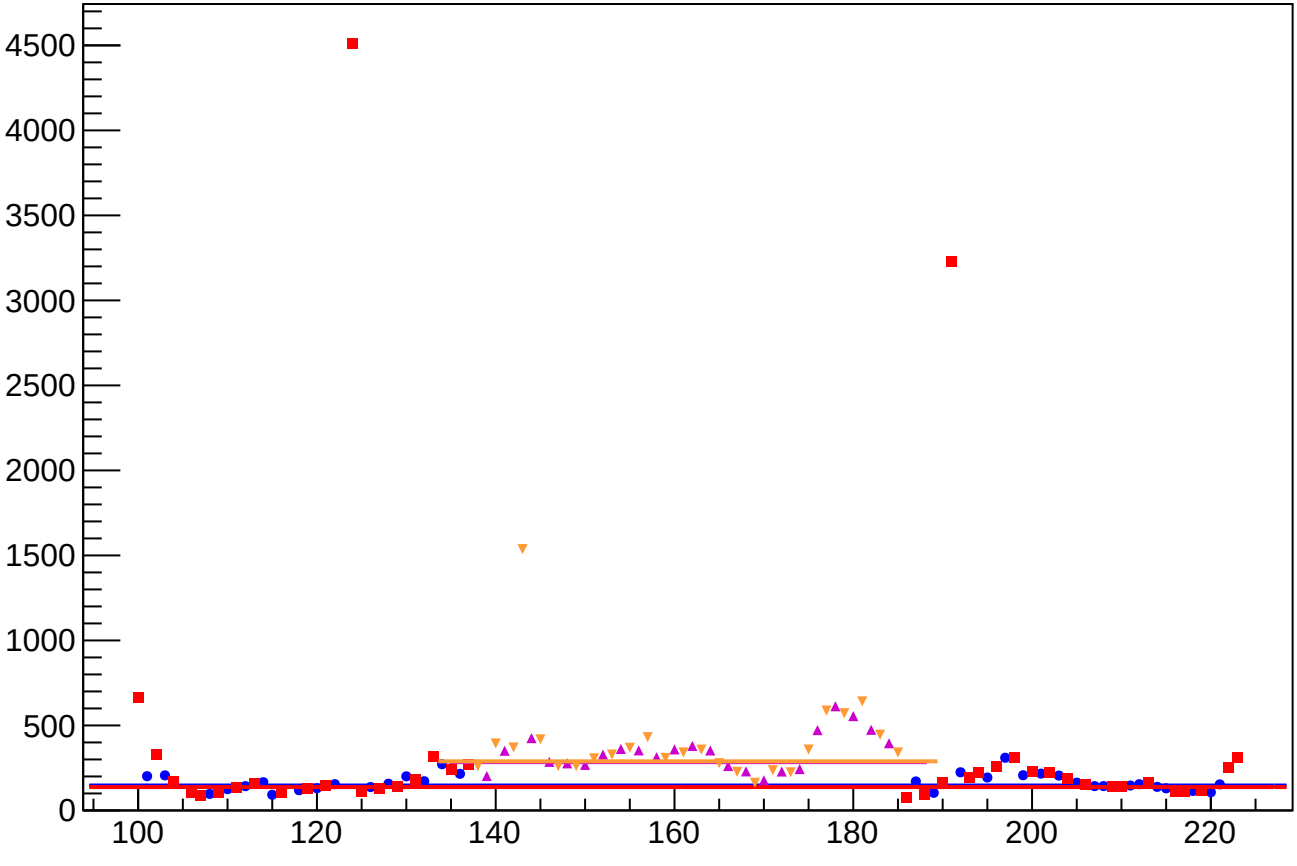
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

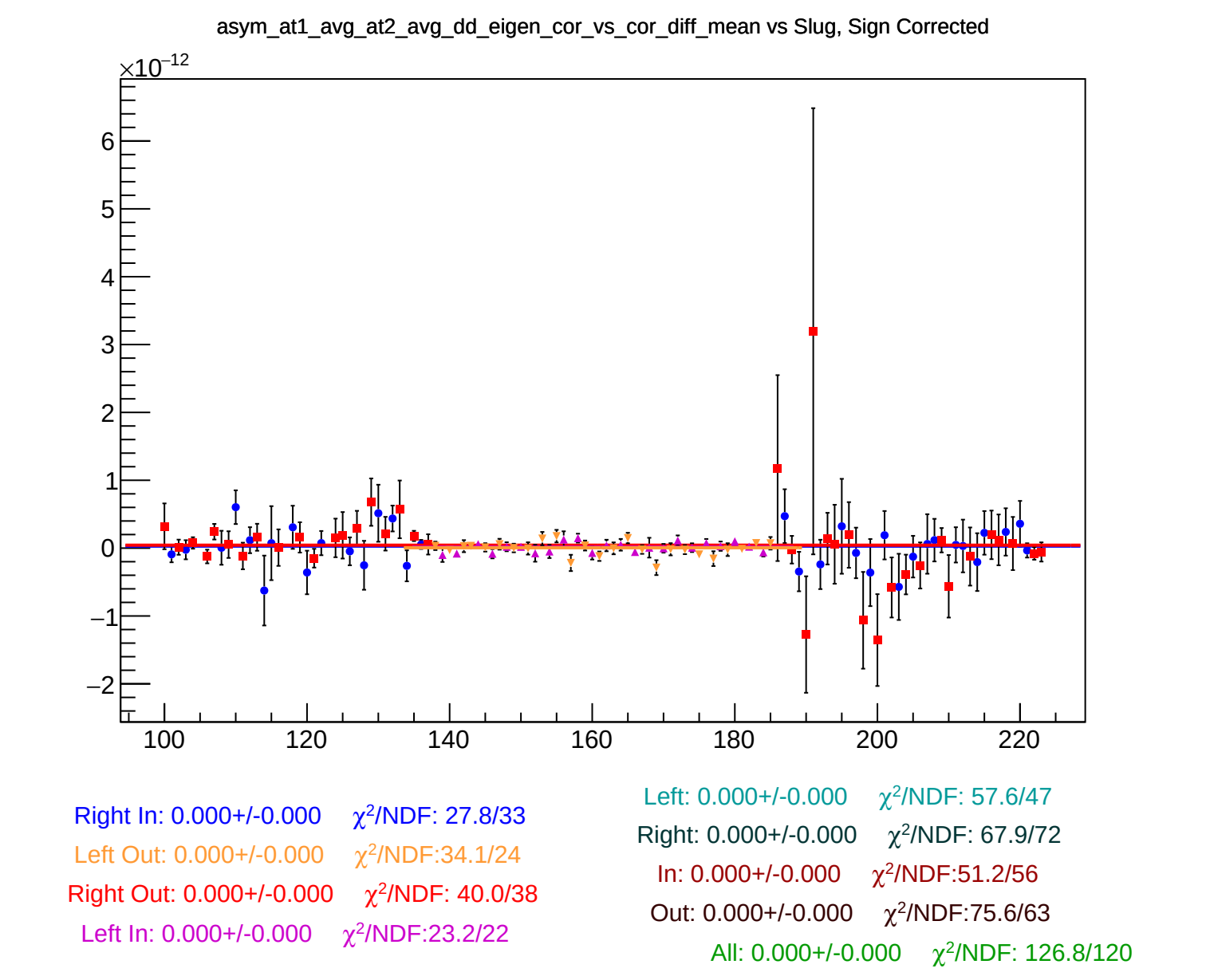
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

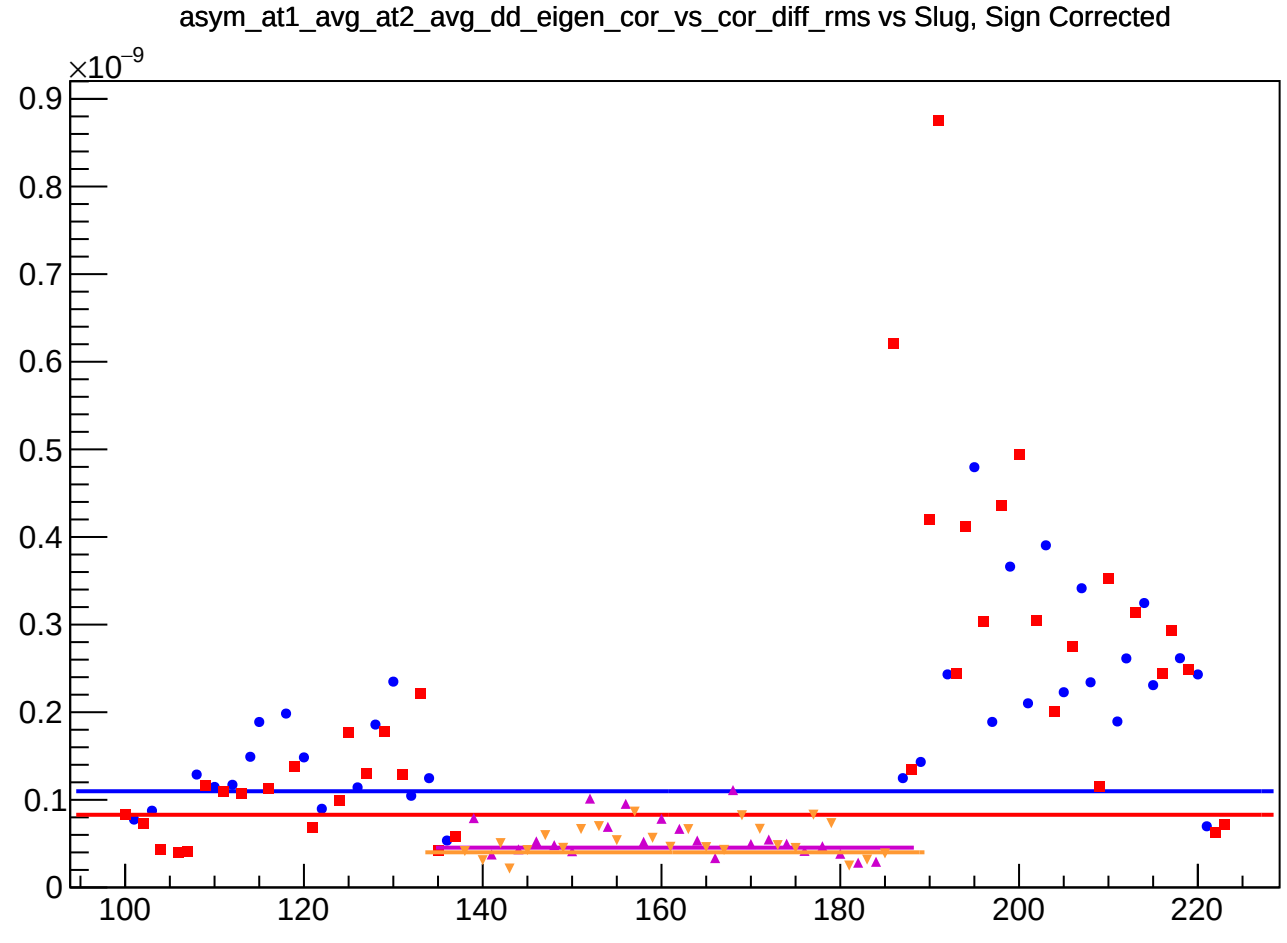
Right: 141.967+/-0.016 χ^2/NDF: 8409224.5/72

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.916+/-0.021 χ^2/NDF:17754201.0/63

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 27.8/33
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 40.0/38
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 67.9/72
In: 0.000+/-0.000 χ²/NDF:51.2/56
Out: 0.000+/-0.000 χ²/NDF:75.6/63
All: 0.000+/-0.000 χ²/NDF: 126.8/120



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

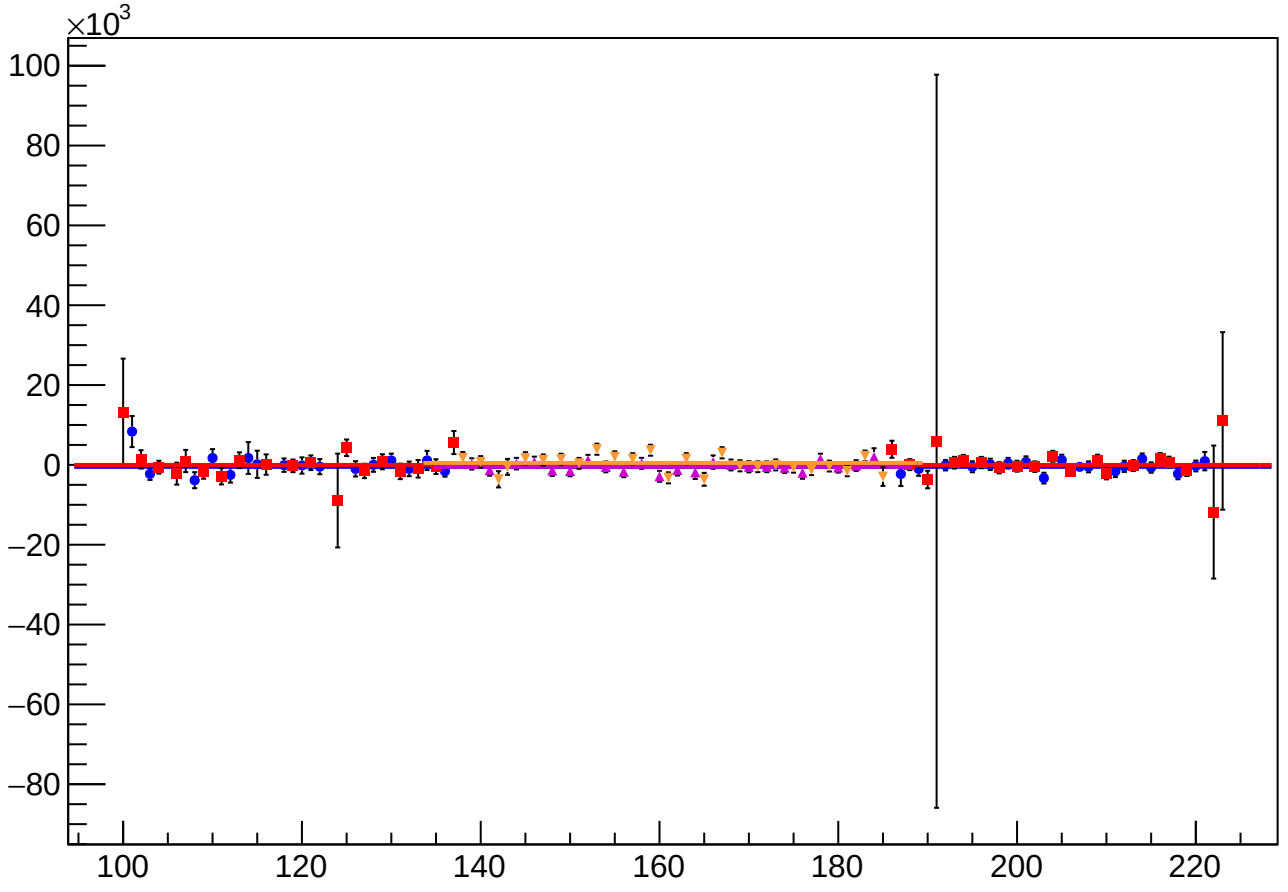
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19048757.1/72

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17713545.4/63

All: 0.000+/-0.000 χ^2/NDF: 34292033.4/120



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

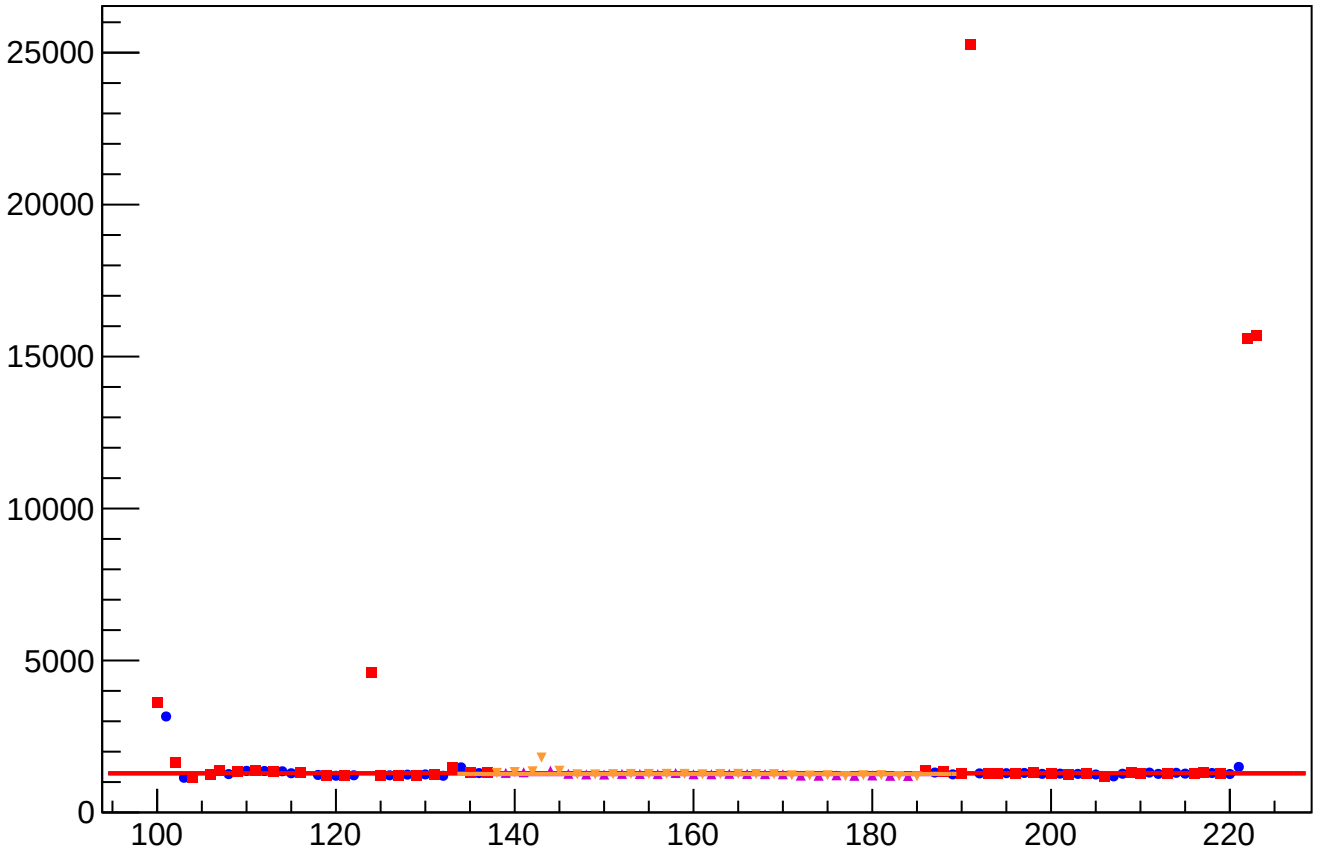
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -252.511+/-198.113 χ^2/NDF: 62.3/72

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 234.201+/-201.627 χ^2/NDF:82.7/63

All: -125.558+/-142.739 χ^2/NDF: 130.1/120



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

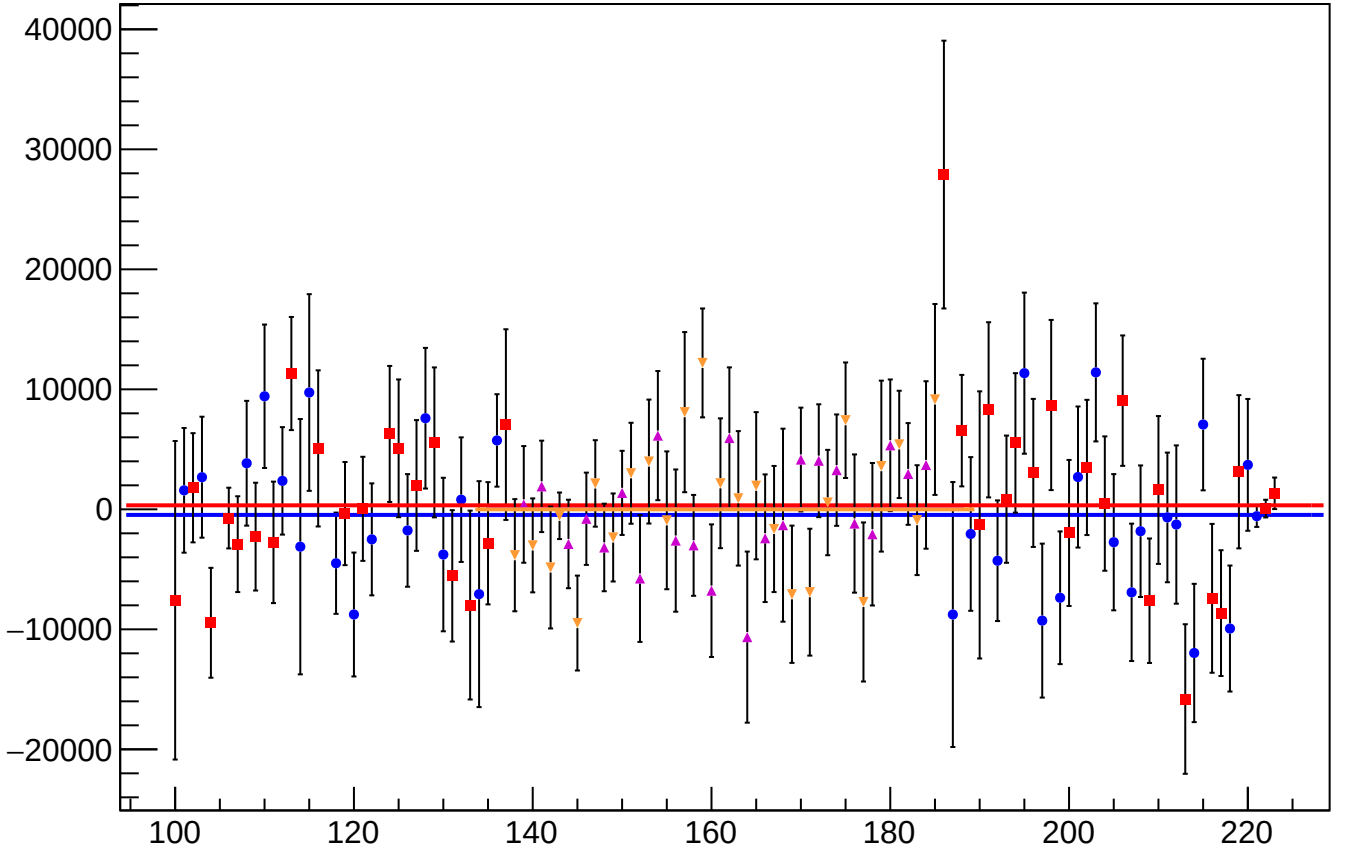
Right: 1288.427+/-0.140 χ^2/NDF: 3344948.1/72

In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1281.262+/-0.143 χ^2/NDF:2991382.3/63

All: 1275.890+/-0.101 χ^2/NDF: 3587033.7/12

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

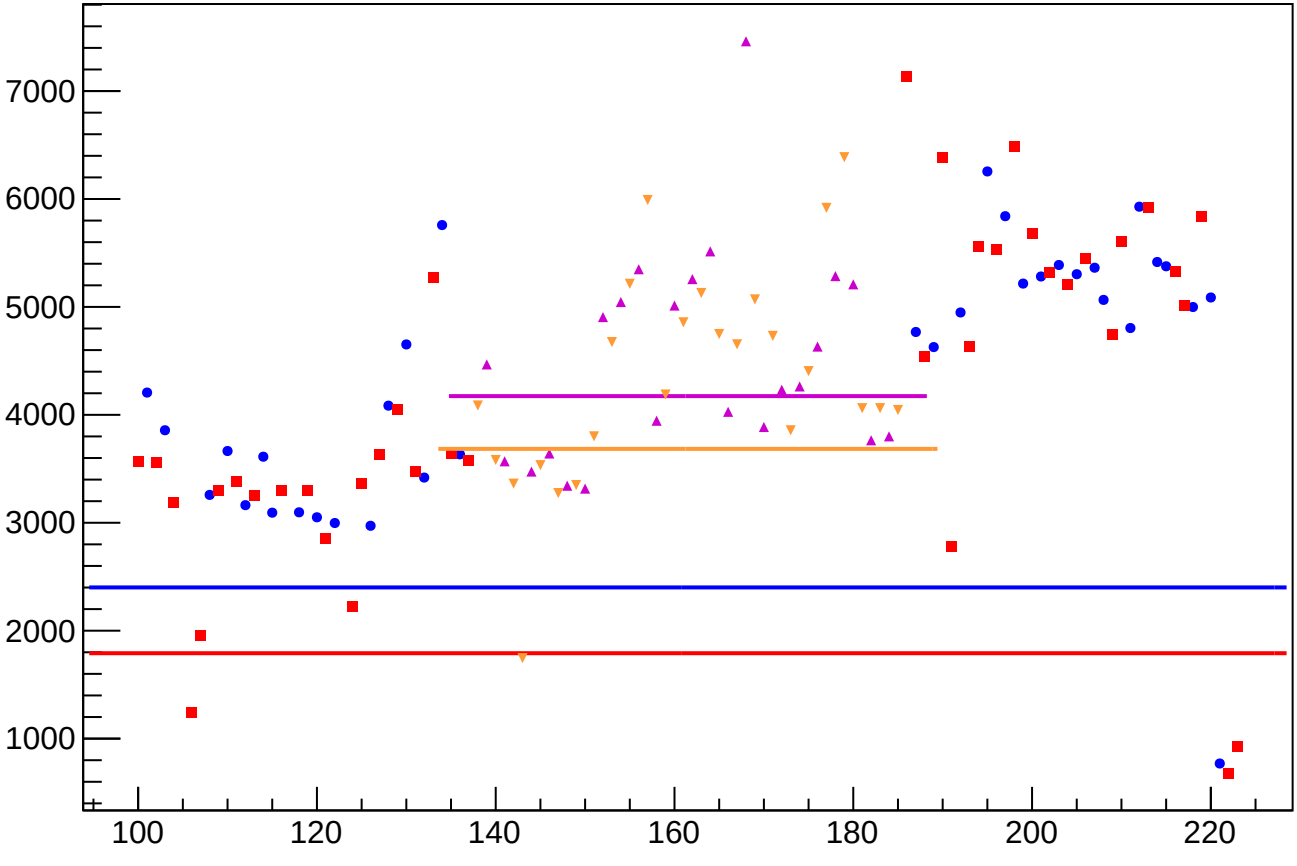
Right: 27.272+/-406.753 χ^2/NDF: 87.0/72

In: -314.185+/-548.187 χ^2/NDF:52.8/56

Out: 248.375+/-447.287 χ^2/NDF:76.7/63

All: 23.535+/-346.562 χ^2/NDF: 130.1/120

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



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

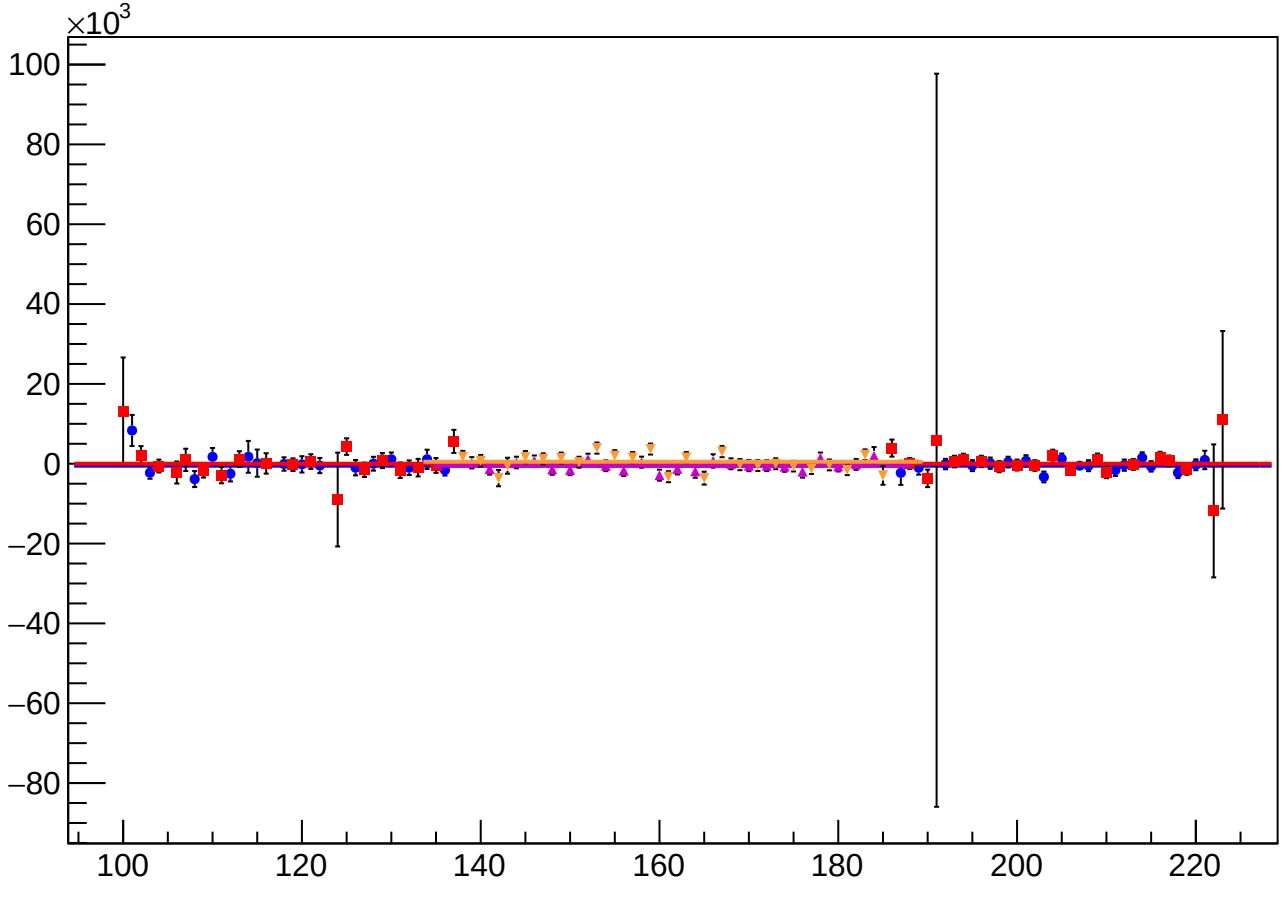
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 2025.182+/-0.288 χ^2/NDF: 38809685.9/72

In: 2938.607+/-0.388 χ^2/NDF:22341141.1/56

Out: 2273.408+/-0.316 χ^2/NDF:31595294.2/63

All: 2539.269+/-0.245 χ^2/NDF: 55704362.1/



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

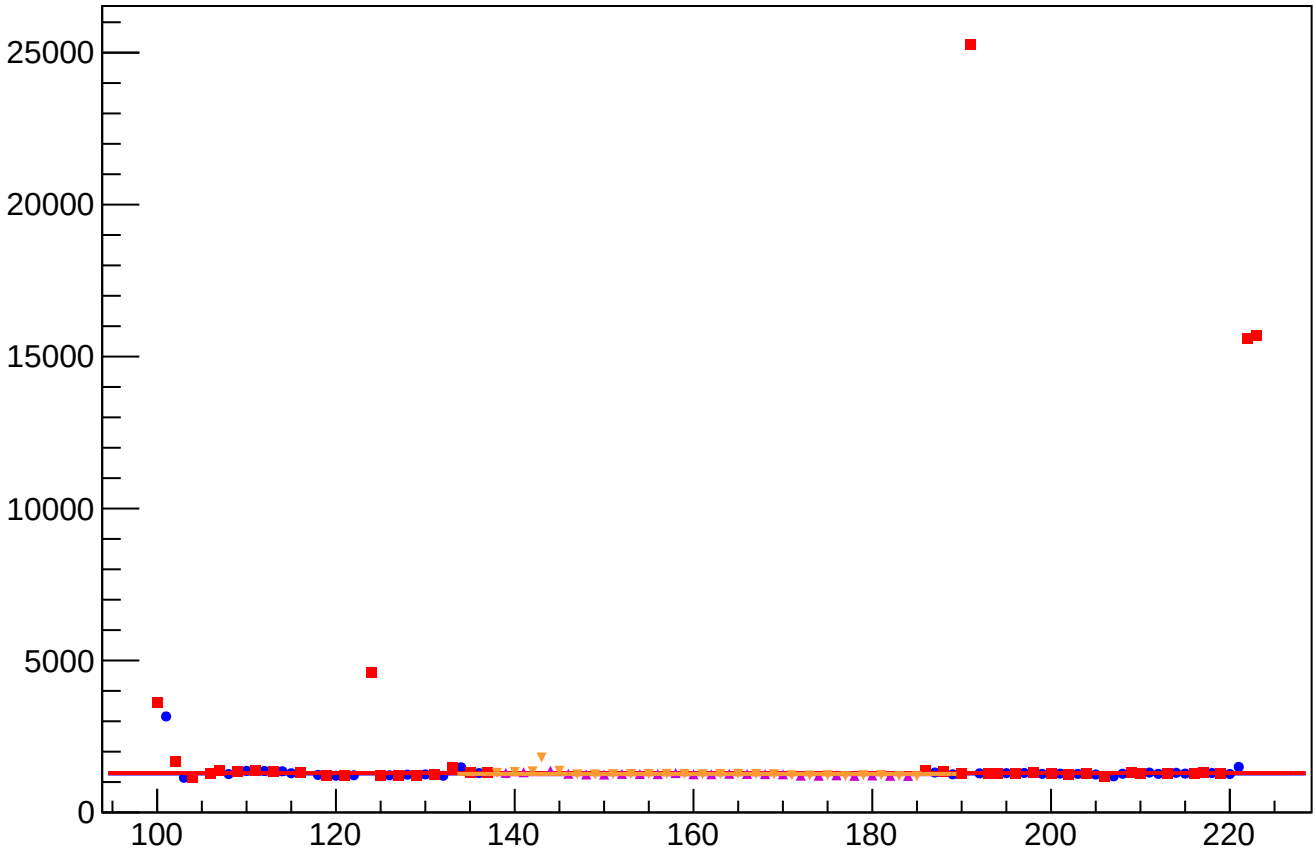
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.846+/-198.135 χ^2/NDF: 62.8/72

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 239.218+/-201.650 χ^2/NDF:83.1/63

All: -123.094+/-142.747 χ^2/NDF: 130.6/120



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

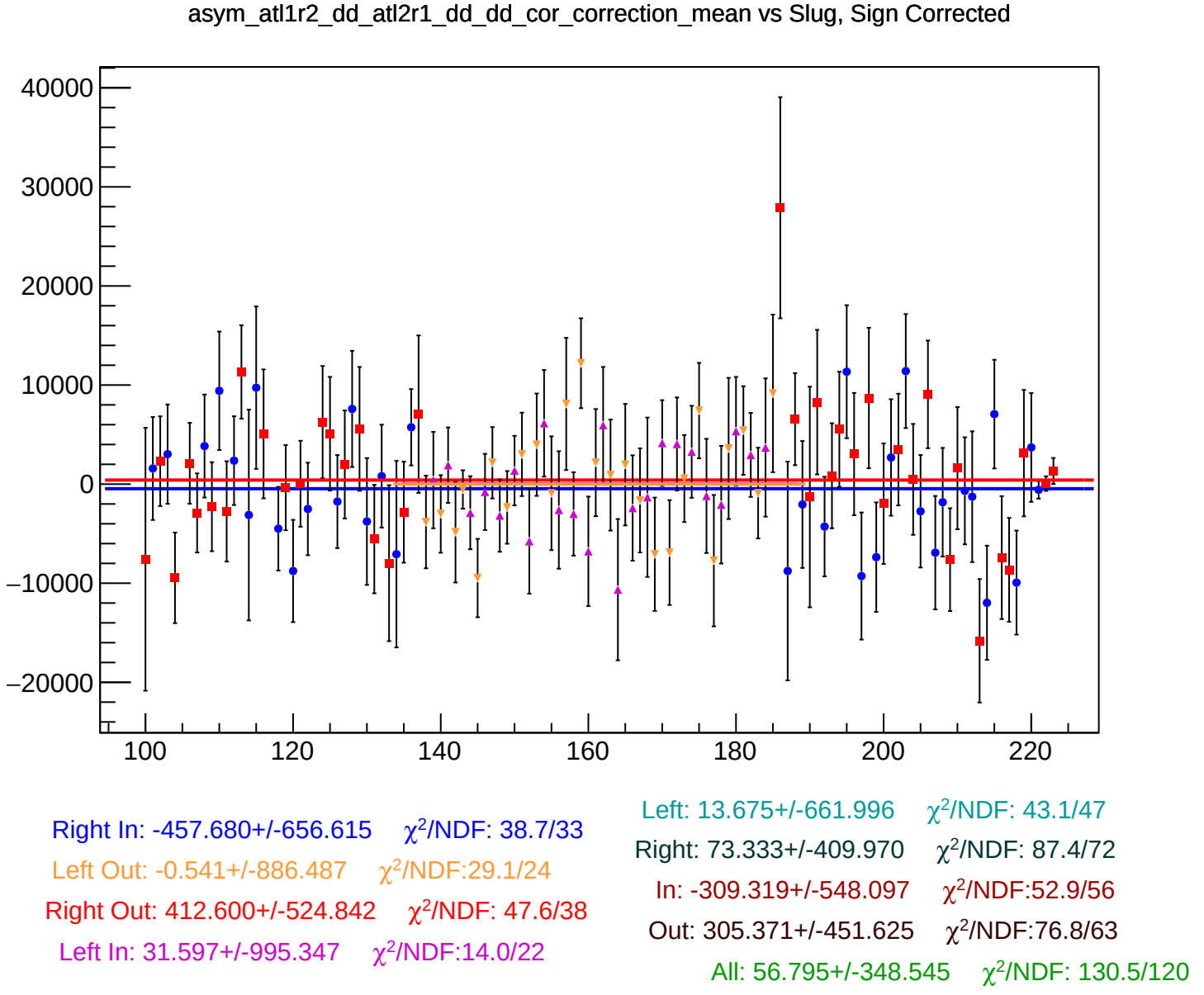
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

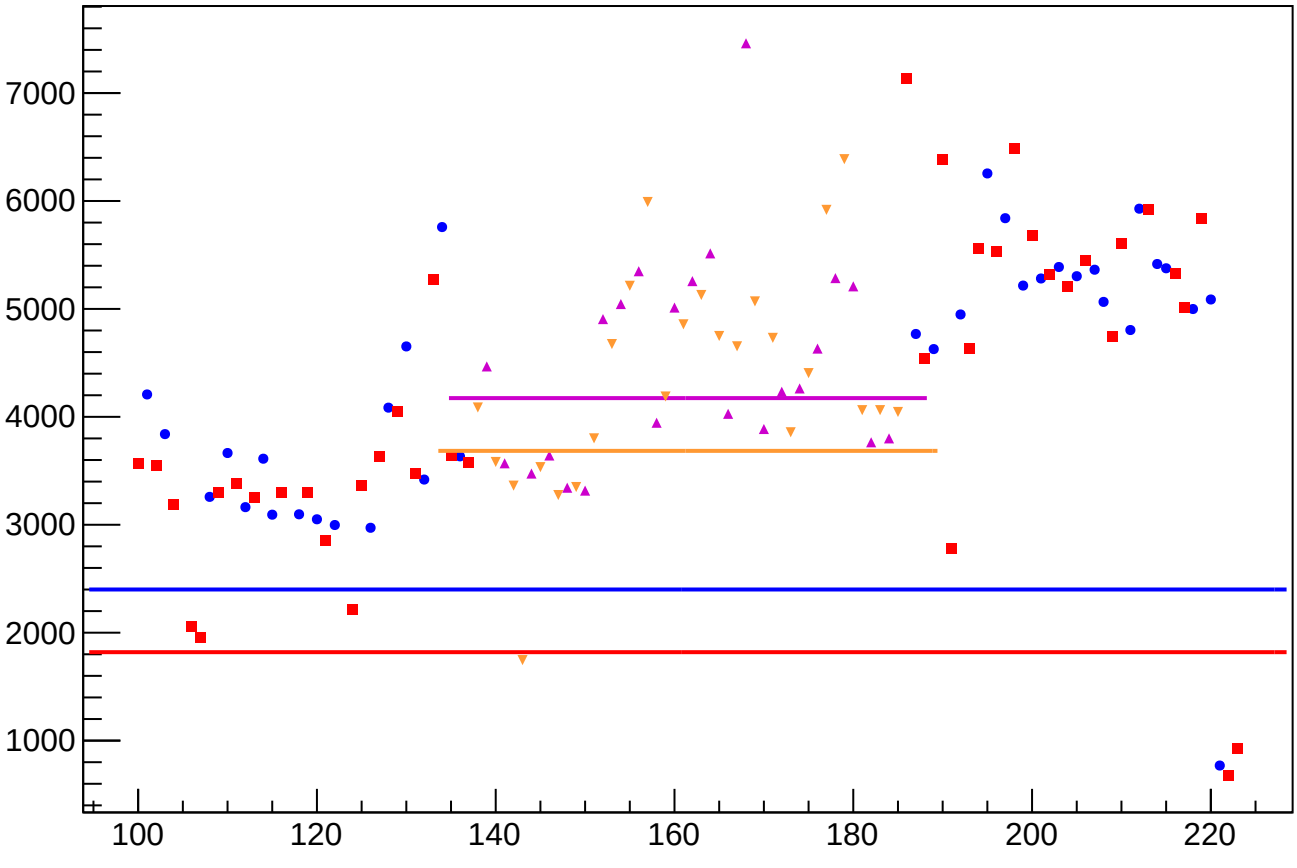
Right: 1288.758+/-0.140 χ^2/NDF: 3351858.6/72

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1281.601+/-0.143 χ^2/NDF:2998531.4/63

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
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
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 73.333+/-409.970 χ²/NDF: 87.4/72
In: -309.319+/-548.097 χ²/NDF:52.9/56
Out: 305.371+/-451.625 χ²/NDF:76.8/63
All: 56.795+/-348.545 χ²/NDF: 130.5/120



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

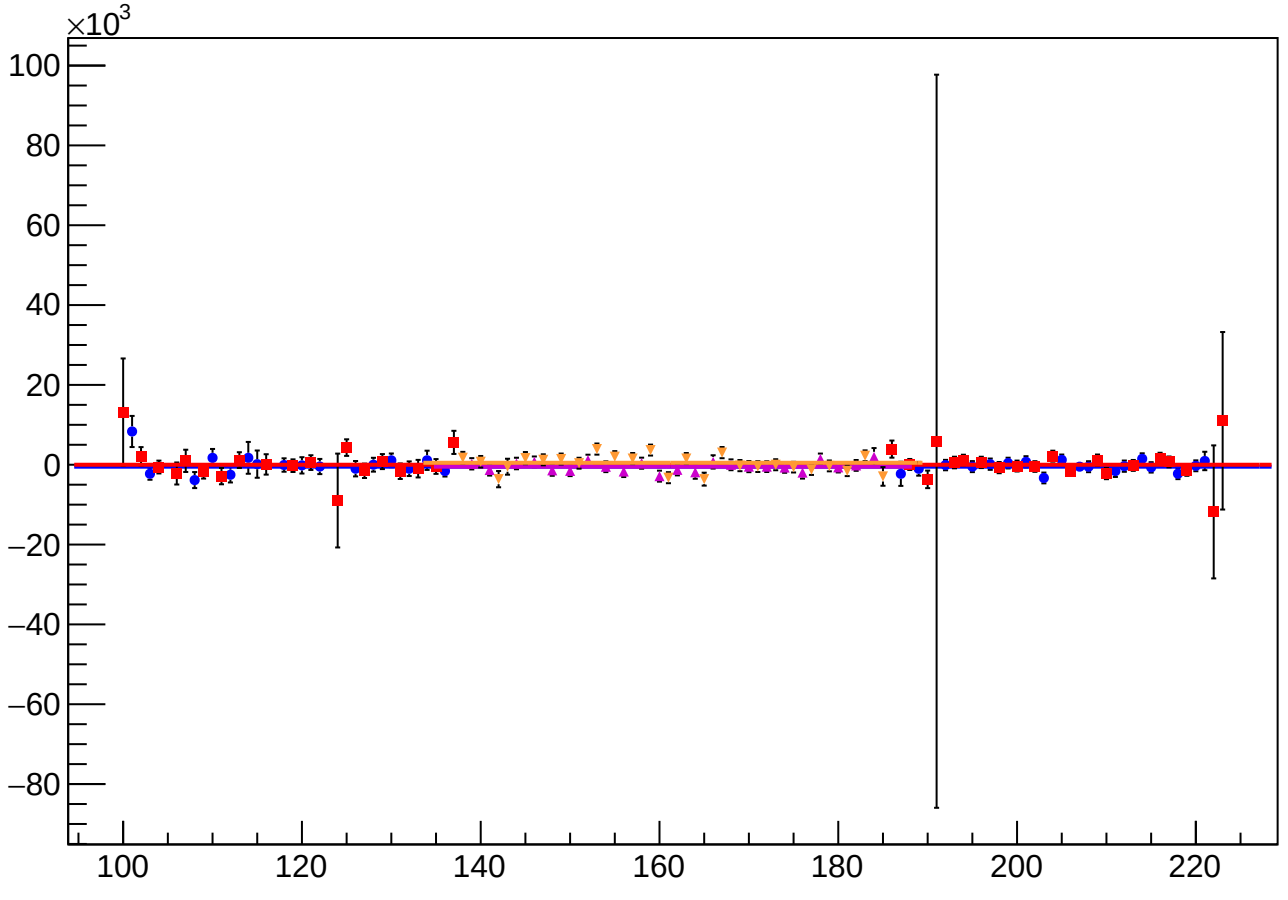
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2045.883+/-0.290 χ^2/NDF: 38613405.6/72

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 2303.613+/-0.319 χ^2/NDF:31257907.0/63

All: 2560.131+/-0.246 χ^2/NDF: 55202787.9/



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

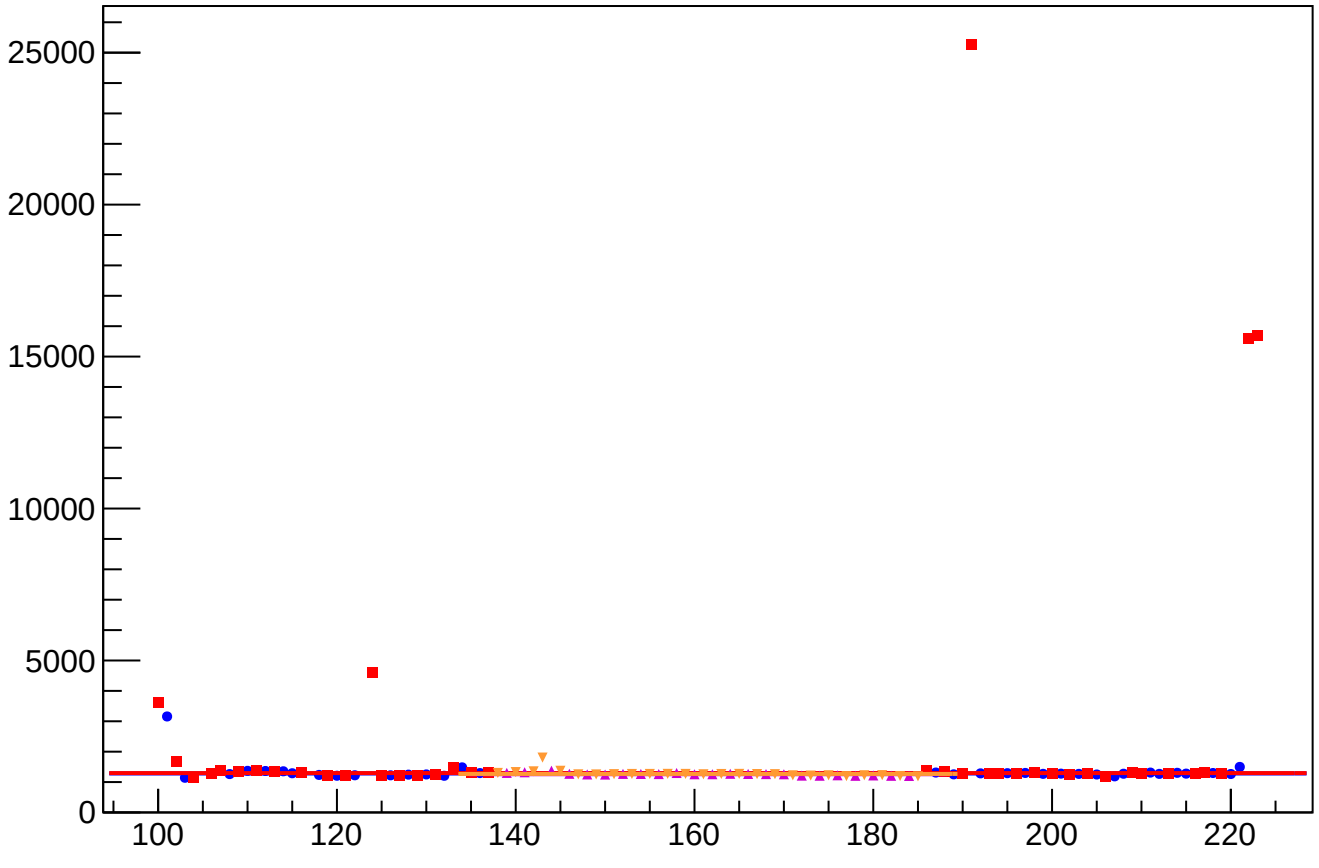
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.846+/-198.135 χ^2/NDF: 62.8/72

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 239.218+/-201.650 χ^2/NDF:83.1/63

All: -123.094+/-142.747 χ^2/NDF: 130.6/120



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

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

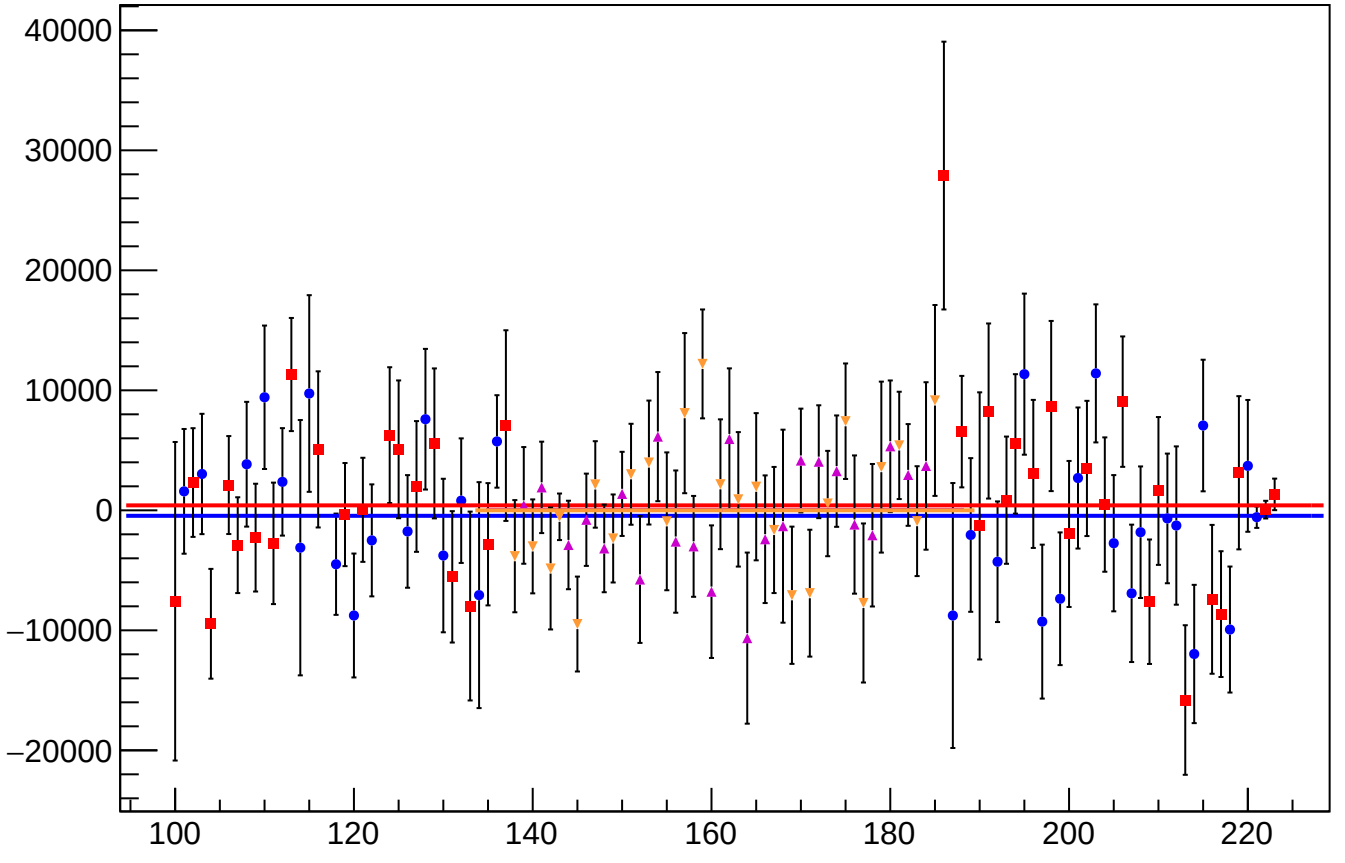
Right: 1288.758+/-0.140 χ^2/NDF: 3351858.6/72

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1281.601+/-0.143 χ^2/NDF:2998531.4/63

All: 1276.059+/-0.101 χ^2/NDF: 3594365.5/12

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

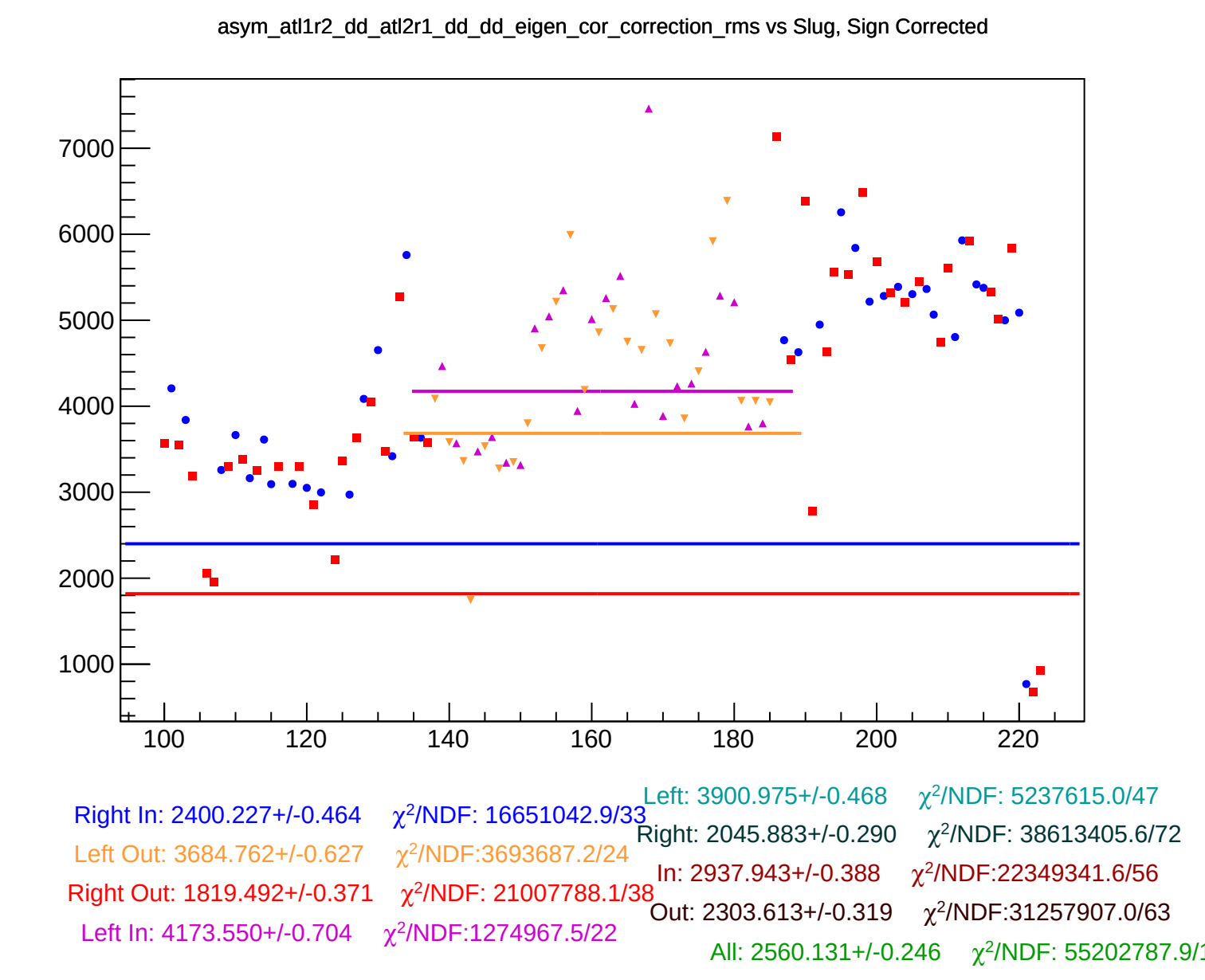
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

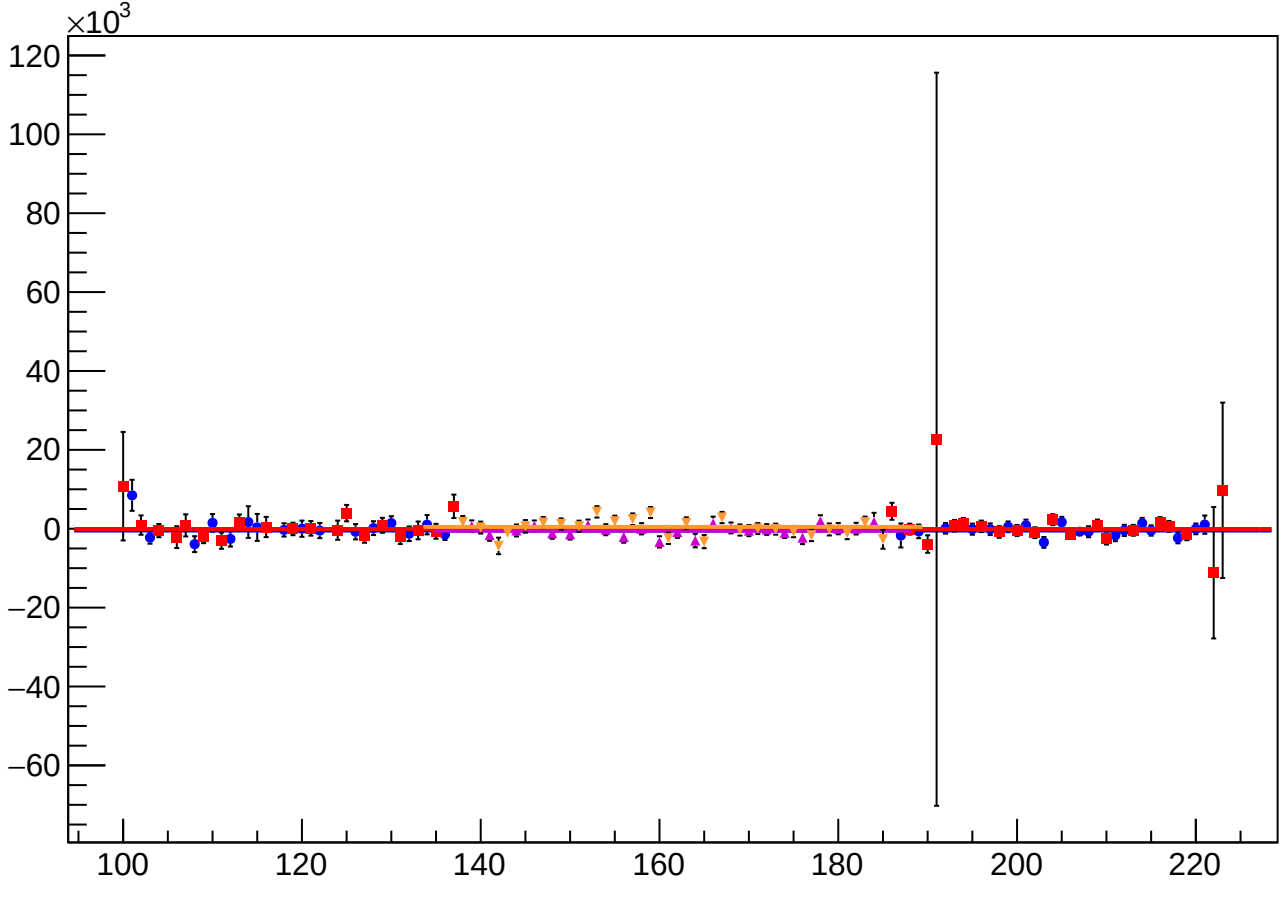
Right: 73.333+/-409.970 χ^2/NDF: 87.4/72

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 305.371+/-451.625 χ^2/NDF:76.8/63

All: 56.795+/-348.545 χ^2/NDF: 130.5/120


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 1819.492+/-0.371 χ²/NDF: 21007788.1/38
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 2045.883+/-0.290 χ²/NDF: 38613405.6/72
In: 2937.943+/-0.388 χ²/NDF:22349341.6/56
Out: 2303.613+/-0.319 χ²/NDF:31257907.0/63
All: 2560.131+/-0.246 χ²/NDF: 55202787.9/



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

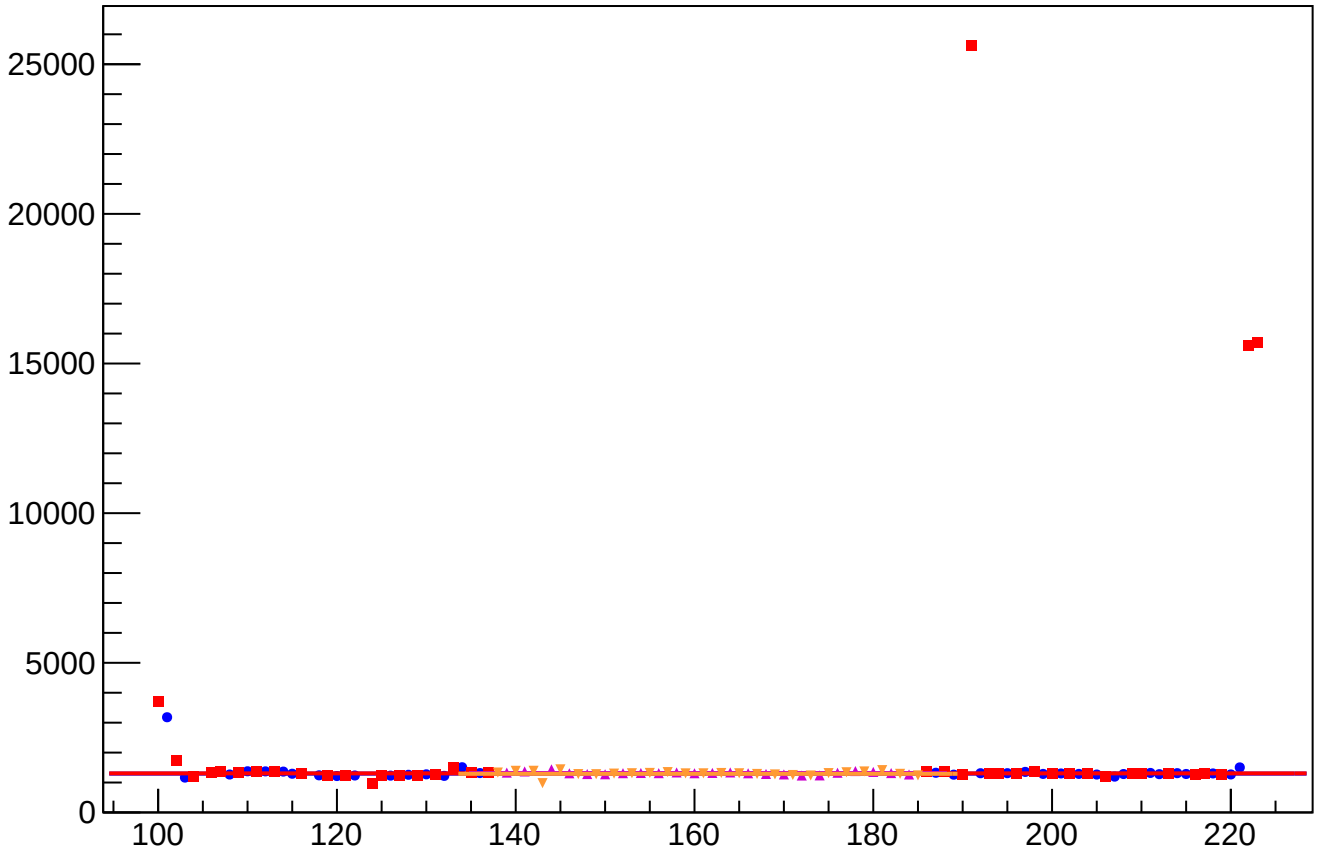
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -259.485+/-200.026 χ^2/NDF: 64.8/72

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 190.535+/-204.348 χ^2/NDF:81.6/63

All: -136.211+/-145.634 χ^2/NDF: 132.3/120



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

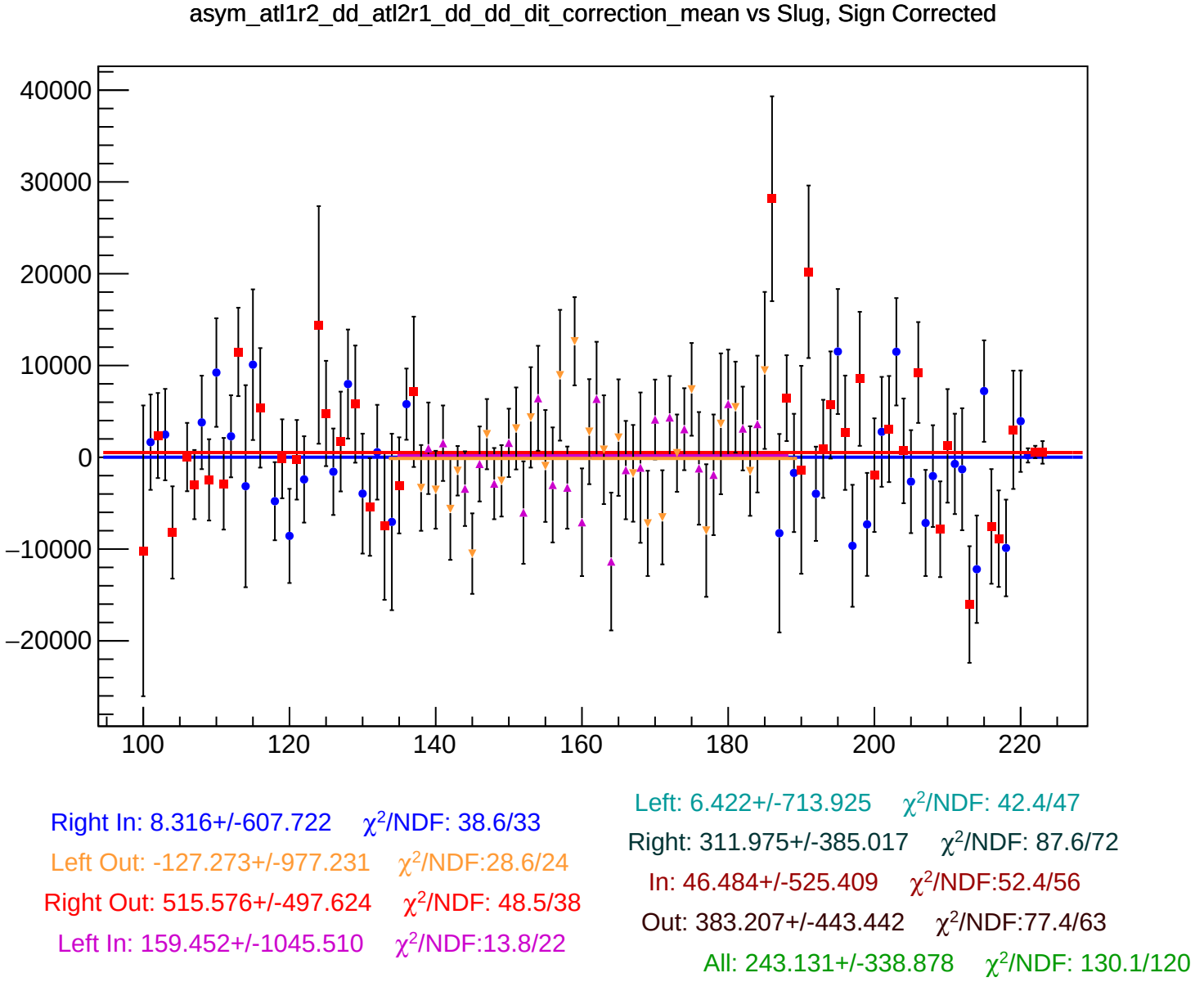
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

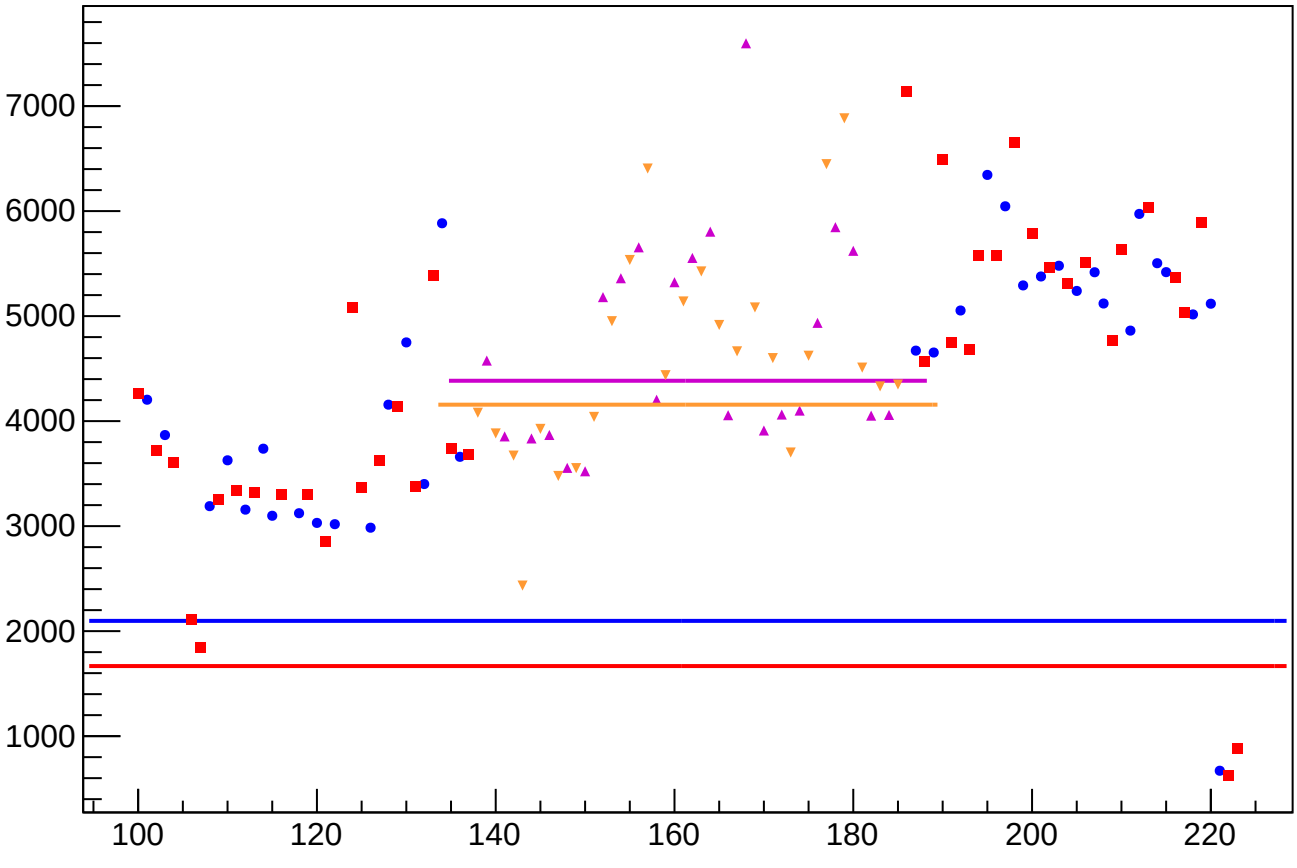
Right: 1301.602+/-0.141 χ^2/NDF: 3234892.4/72

In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1298.890+/-0.144 χ^2/NDF:2920021.1/63

All: 1301.847+/-0.103 χ^2/NDF: 3514424.4/12


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 8.316+/-607.722 χ²/NDF: 38.6/33
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 515.576+/-497.624 χ²/NDF: 48.5/38
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 311.975+/-385.017 χ²/NDF: 87.6/72
In: 46.484+/-525.409 χ²/NDF:52.4/56
Out: 383.207+/-443.442 χ²/NDF:77.4/63
All: 243.131+/-338.878 χ²/NDF: 130.1/120



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

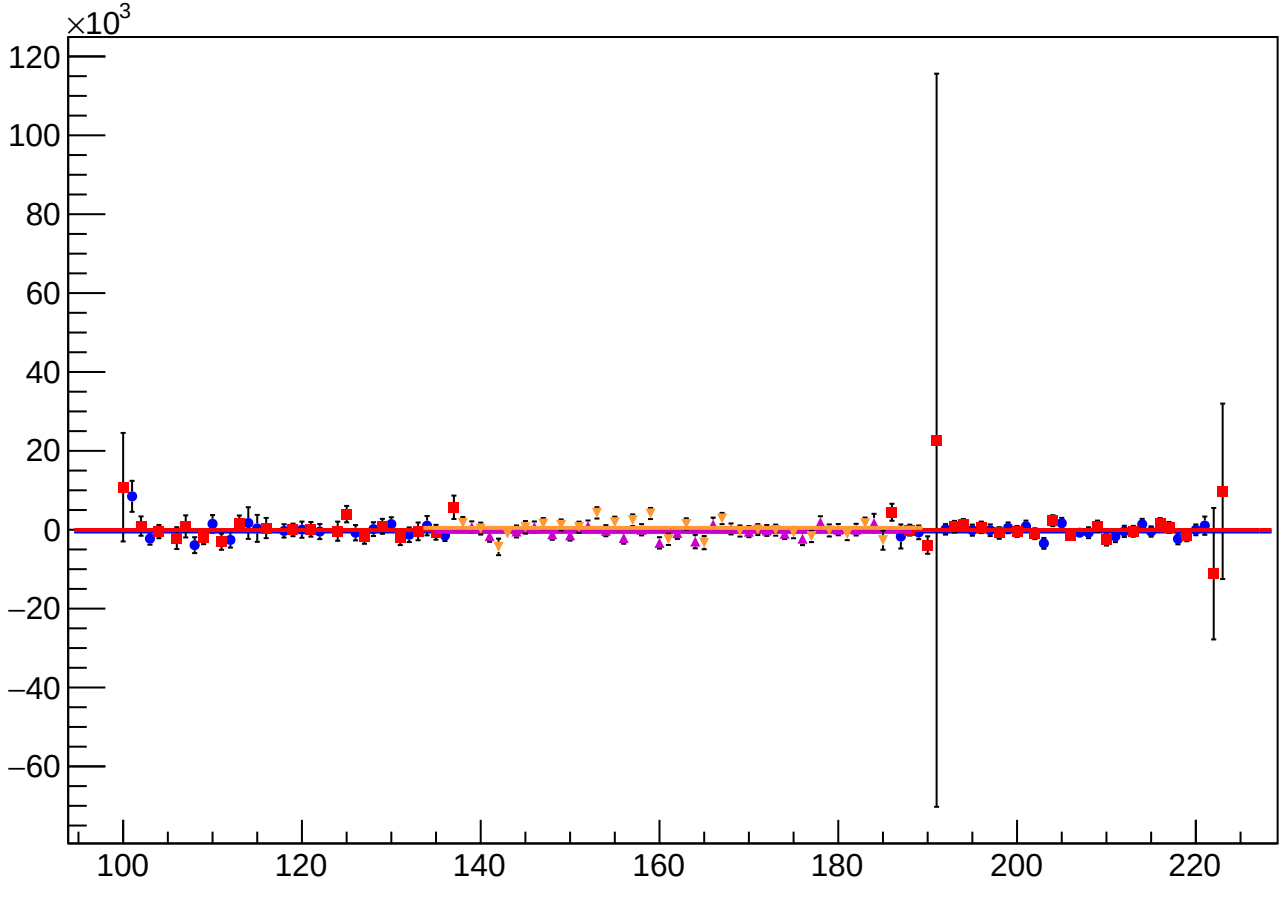
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 1840.090+/-0.272 χ^2/NDF: 43286353.6/72

In: 2675.167+/-0.372 χ^2/NDF:27977193.8/56

Out: 2179.927+/-0.314 χ^2/NDF:35500411.9/63

All: 2385.946+/-0.240 χ^2/NDF: 64515326.3/1



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

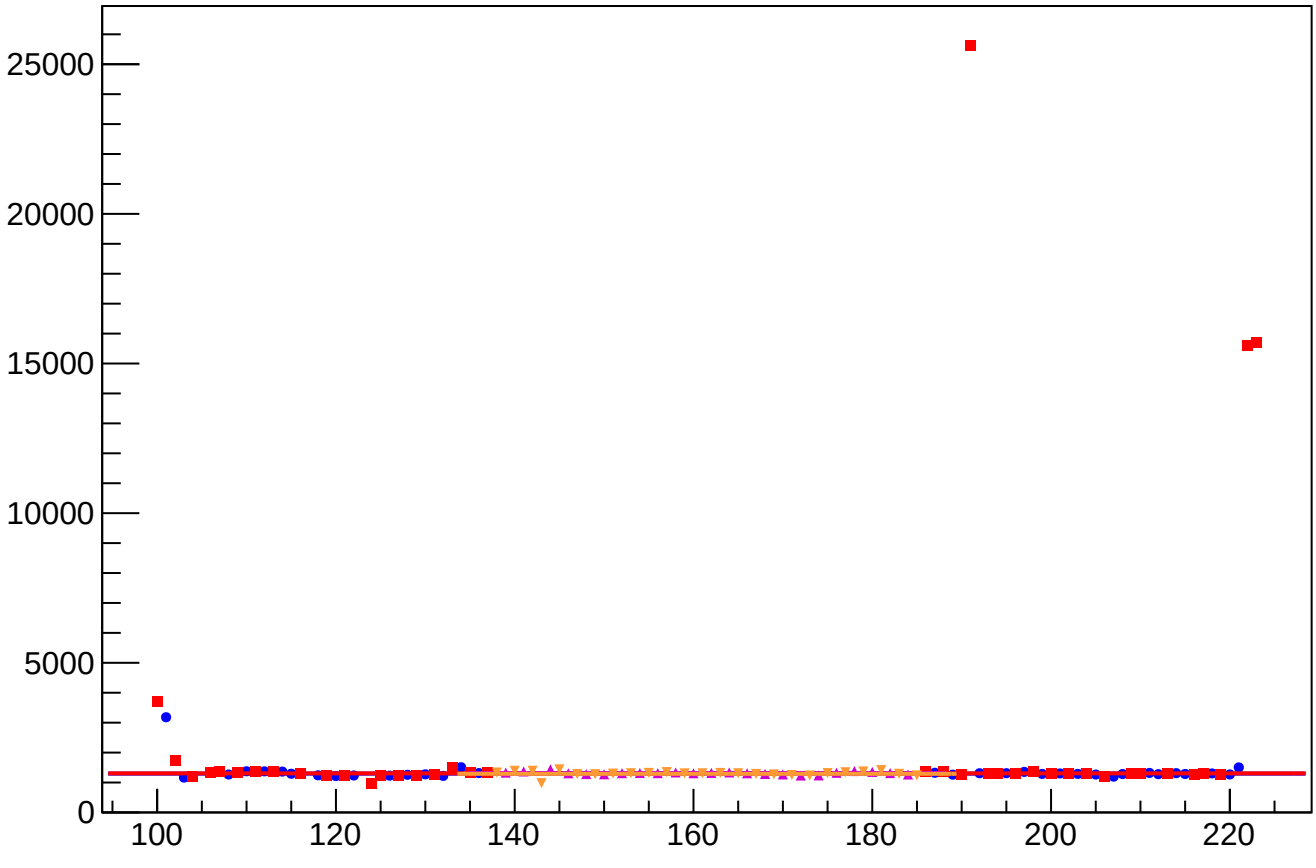
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -259.484+/-200.026 χ^2/NDF: 64.8/72

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 190.536+/-204.349 χ^2/NDF:81.6/63

All: -136.210+/-145.634 χ^2/NDF: 132.3/120



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

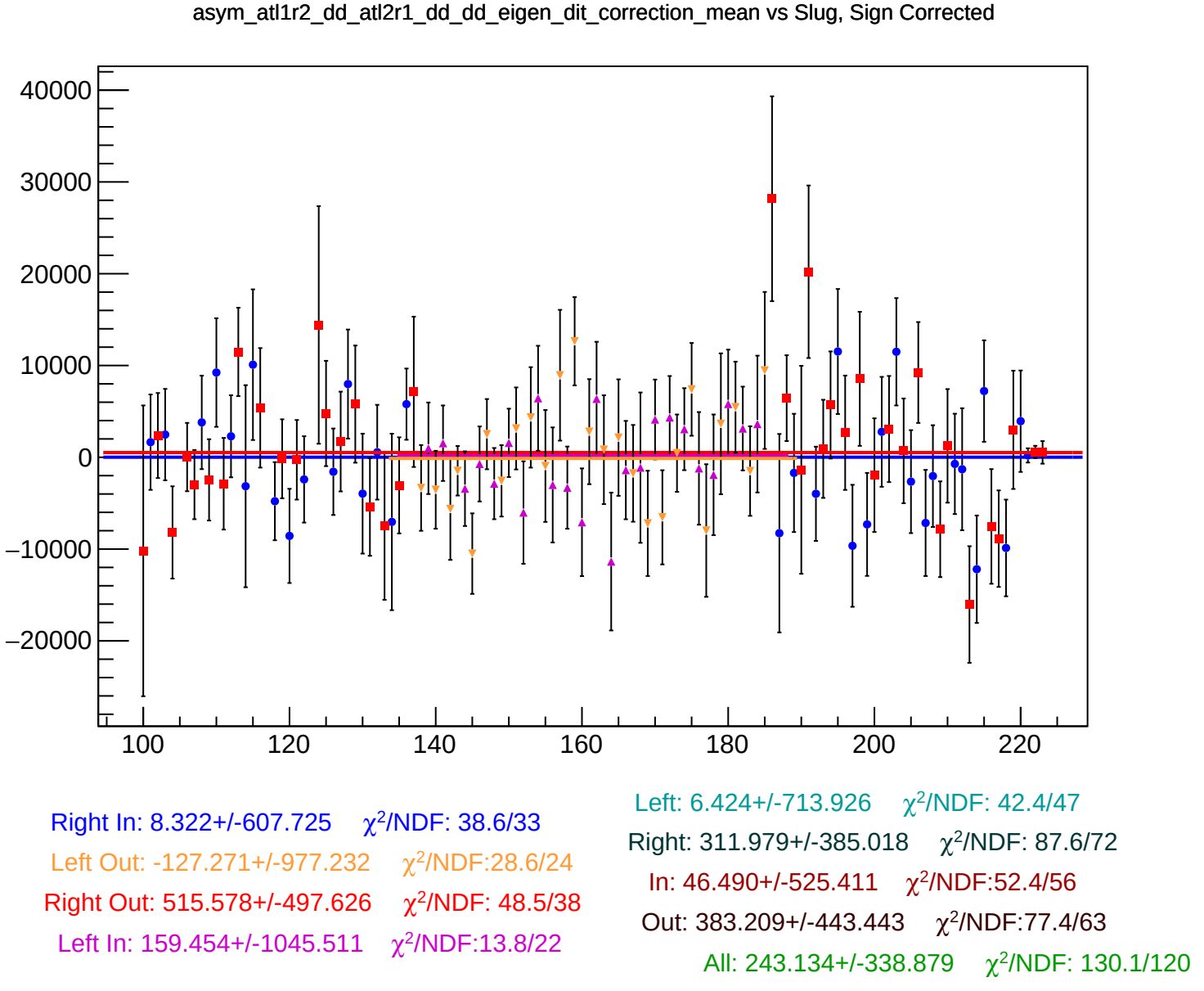
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

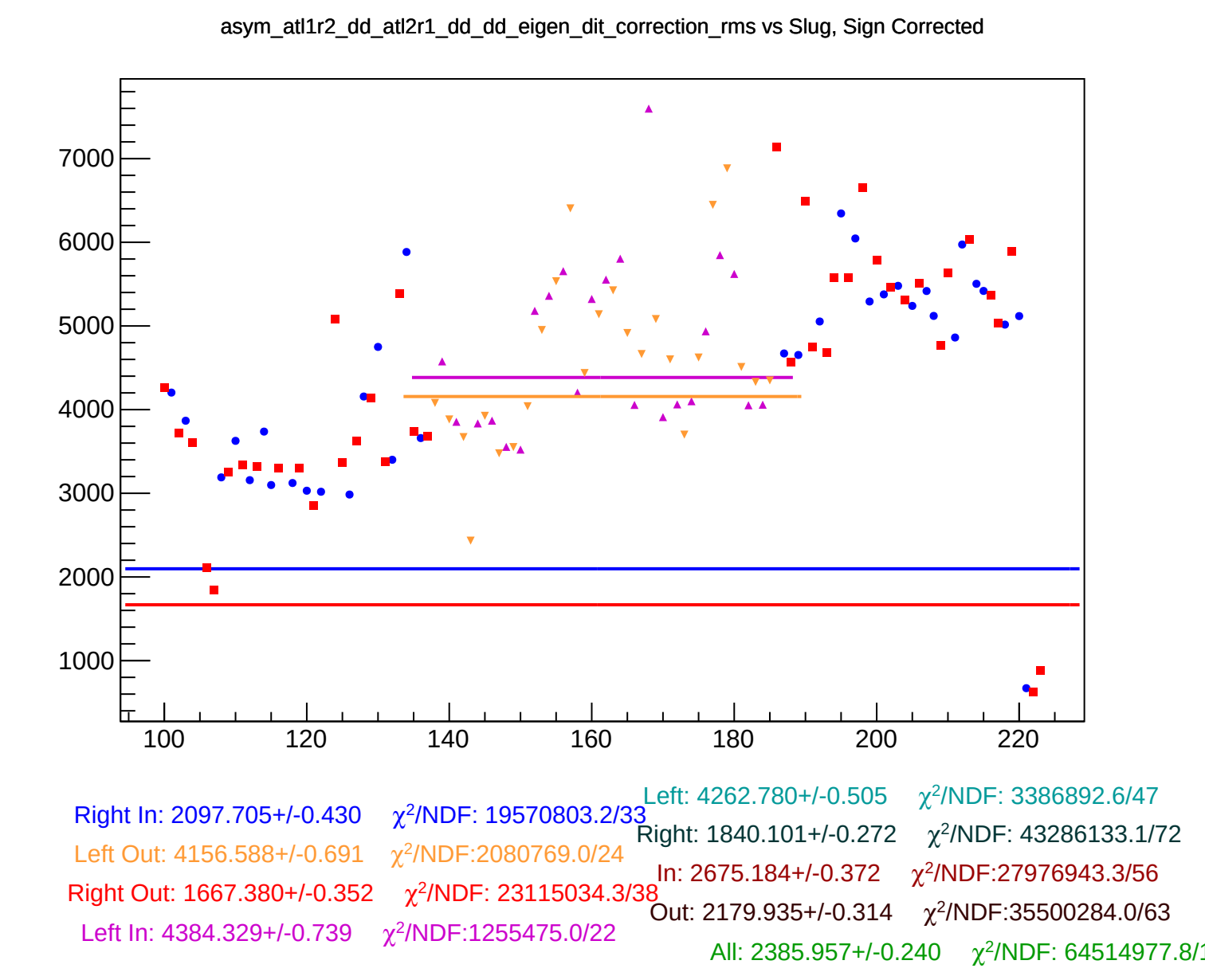
Right: 1301.602+/-0.141 χ^2/NDF: 3234892.6/72

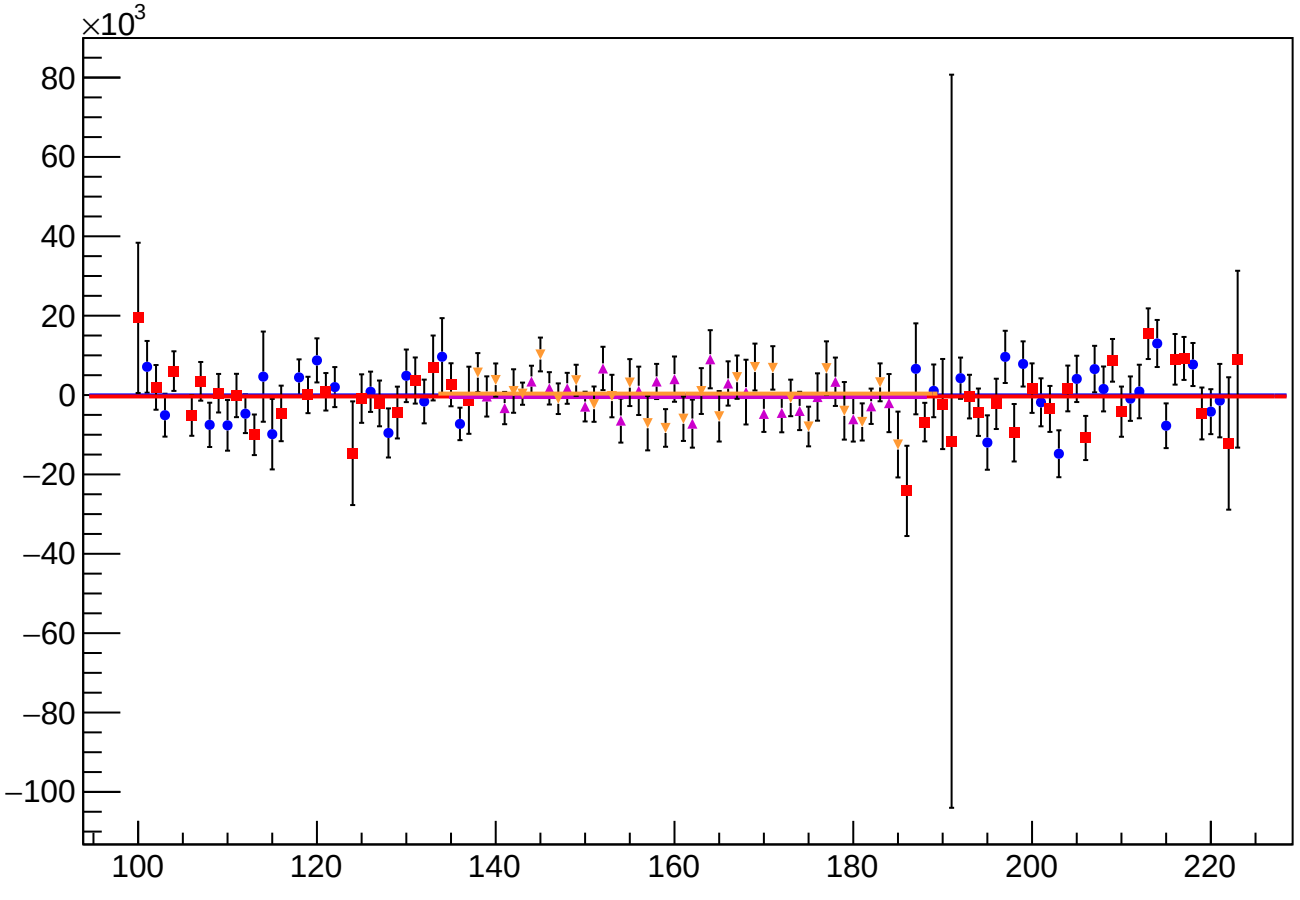
In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1298.891+/-0.144 χ^2/NDF:2920023.3/63

All: 1301.847+/-0.103 χ^2/NDF: 3514429.2/12


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 8.322+/-607.725 χ²/NDF: 38.6/33
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 515.578+/-497.626 χ²/NDF: 48.5/38
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 311.979+/-385.018 χ²/NDF: 87.6/72
In: 46.490+/-525.411 χ²/NDF:52.4/56
Out: 383.209+/-443.443 χ²/NDF:77.4/63
All: 243.134+/-338.879 χ²/NDF: 130.1/120


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2097.705+/-0.430 χ²/NDF: 19570803.2/33
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 1667.380+/-0.352 χ²/NDF: 23115034.3/38
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 1840.101+/-0.272 χ²/NDF: 43286133.1/72
In: 2675.184+/-0.372 χ²/NDF:27976943.3/56
Out: 2179.935+/-0.314 χ²/NDF:35500284.0/63
All: 2385.957+/-0.240 χ²/NDF: 64514977.8/



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

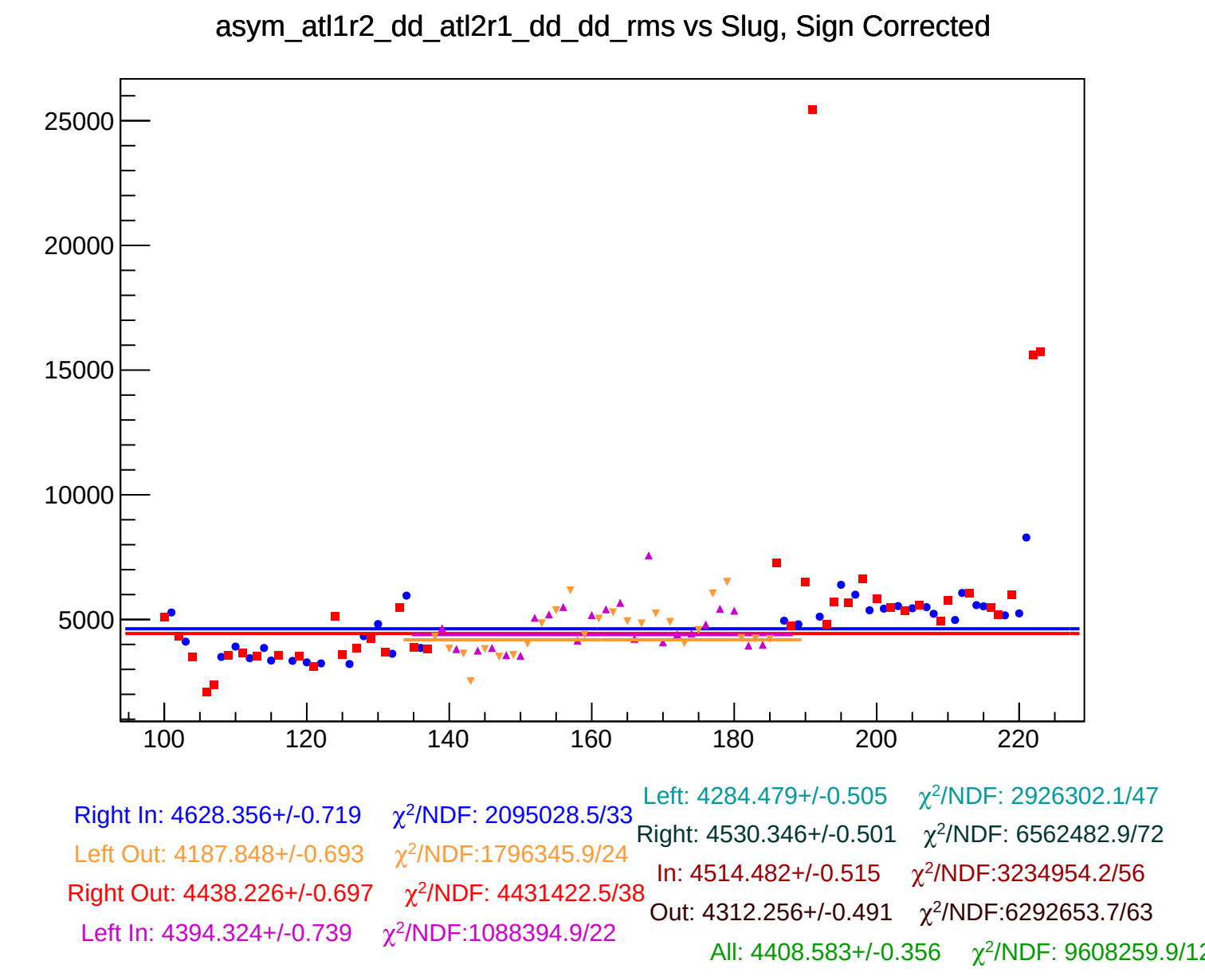
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

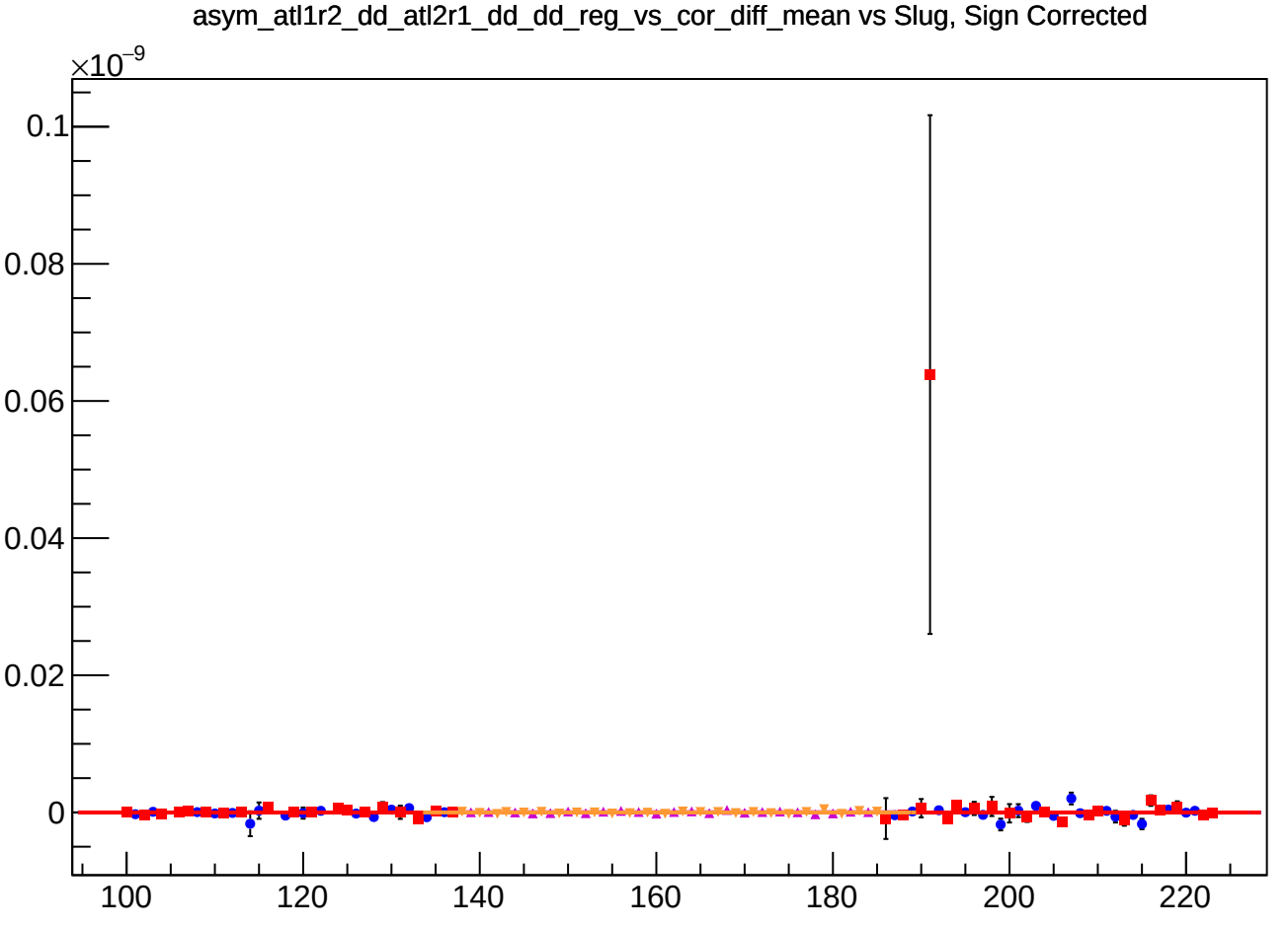
Right: -222.822+/-710.703 χ^2/NDF: 83.8/72

In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 9.083+/-697.656 χ^2/NDF:67.7/63

All: -131.912+/-503.947 χ^2/NDF: 125.8/120


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4628.356+/-0.719 χ²/NDF: 2095028.5/33
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4438.226+/-0.697 χ²/NDF: 4431422.5/38
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4530.346+/-0.501 χ²/NDF: 6562482.9/72
In: 4514.482+/-0.515 χ²/NDF:3234954.2/56
Out: 4312.256+/-0.491 χ²/NDF:6292653.7/63
All: 4408.583+/-0.356 χ²/NDF: 9608259.9/12



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

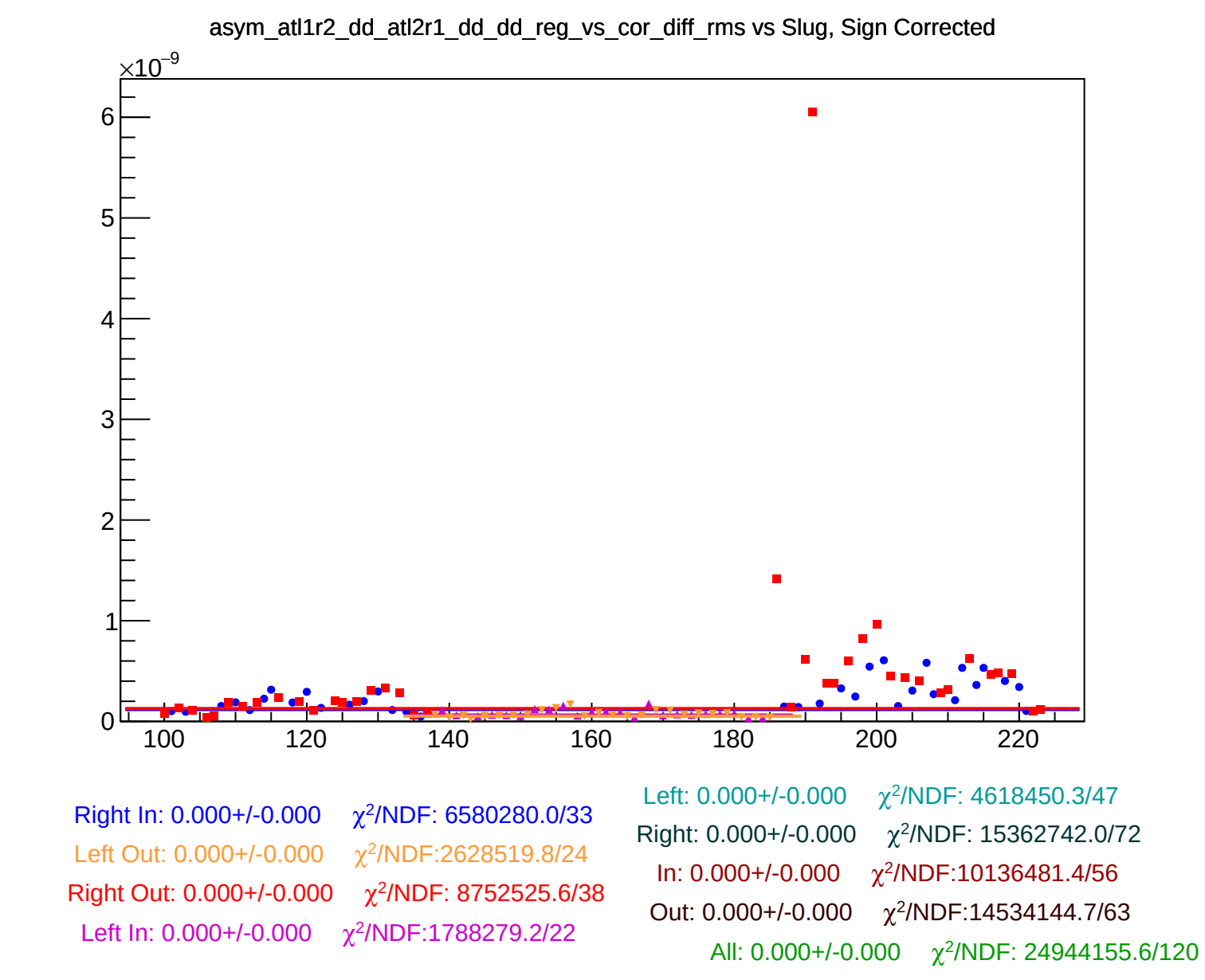
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 87.2/72

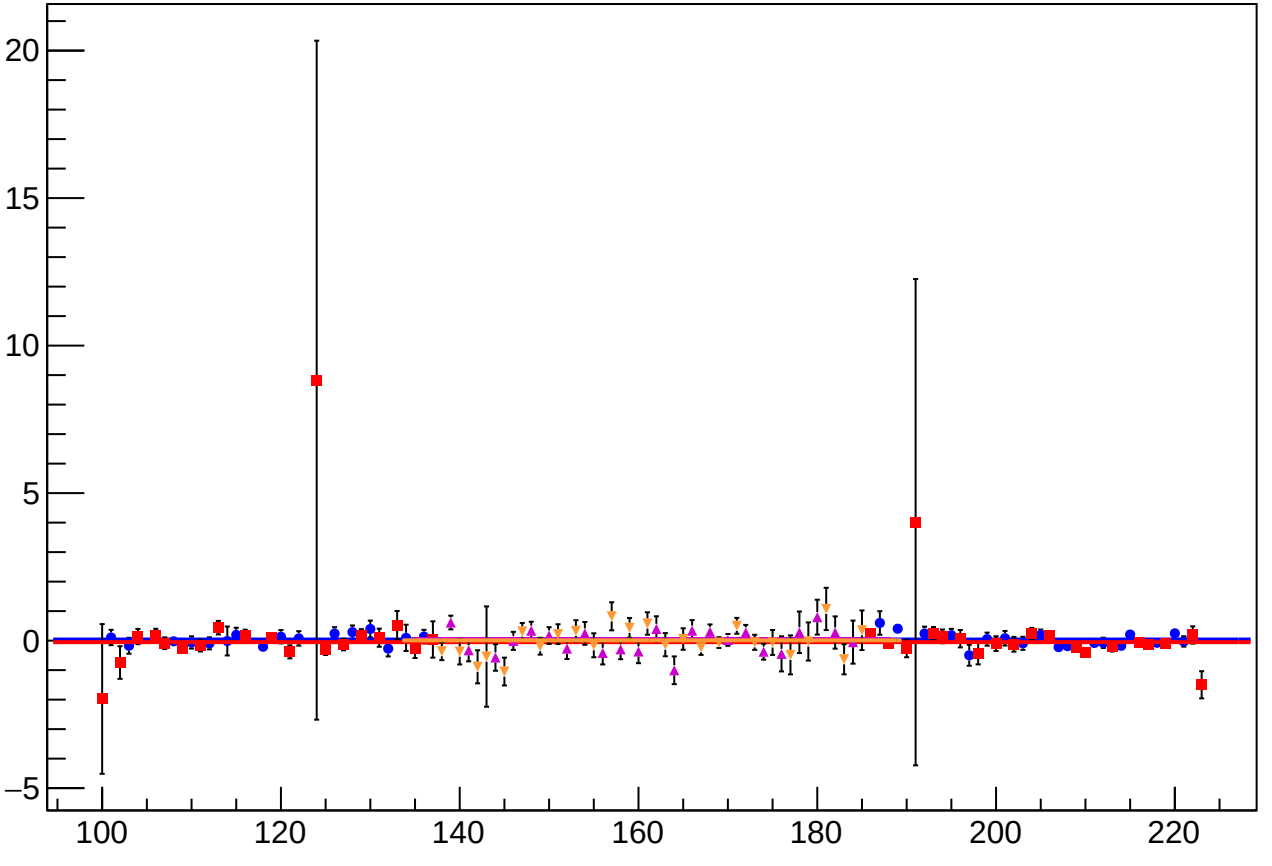
In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:75.4/63

All: 0.000+/-0.000 χ^2/NDF: 135.4/120


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 15362742.0/72
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14534144.7/63
All: 0.000+/-0.000 χ²/NDF: 24944155.6/120

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

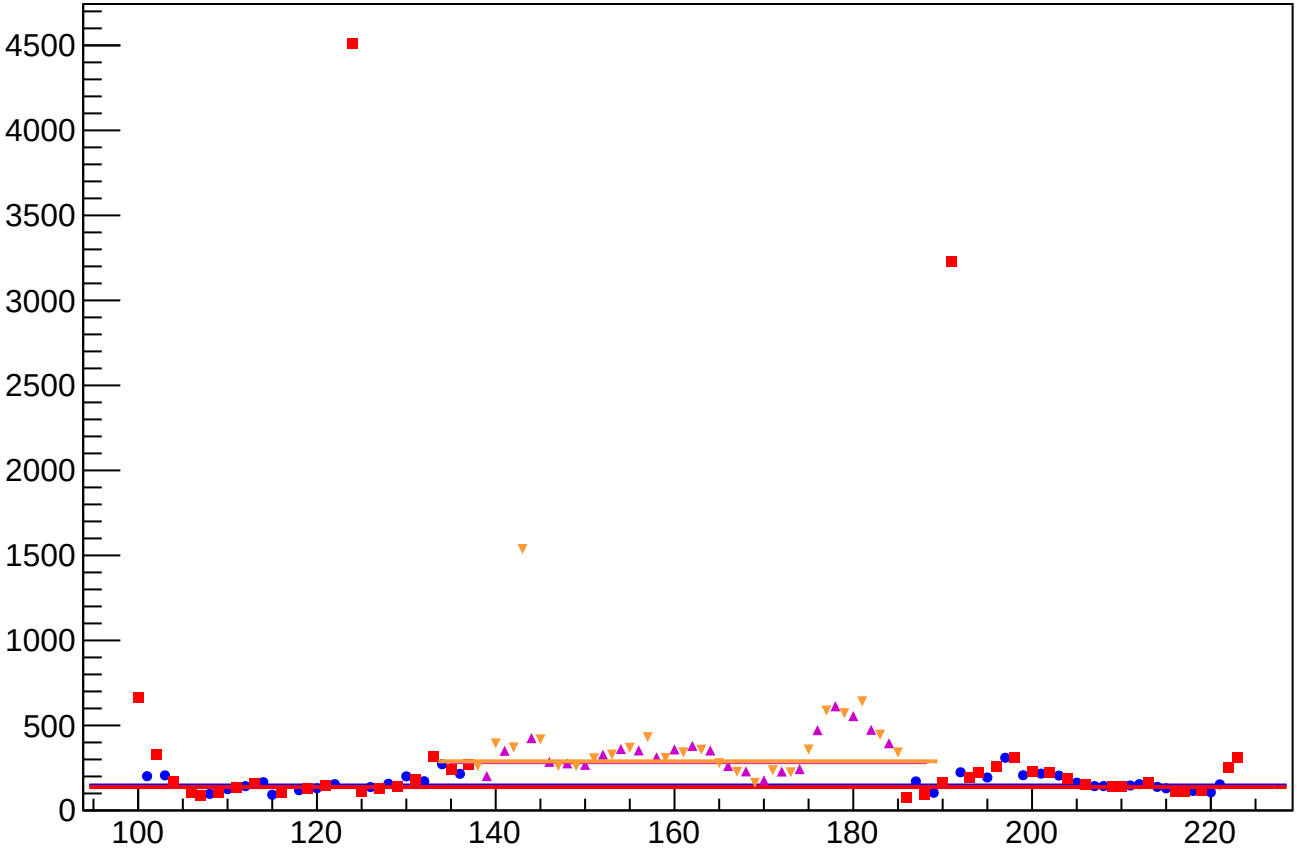
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

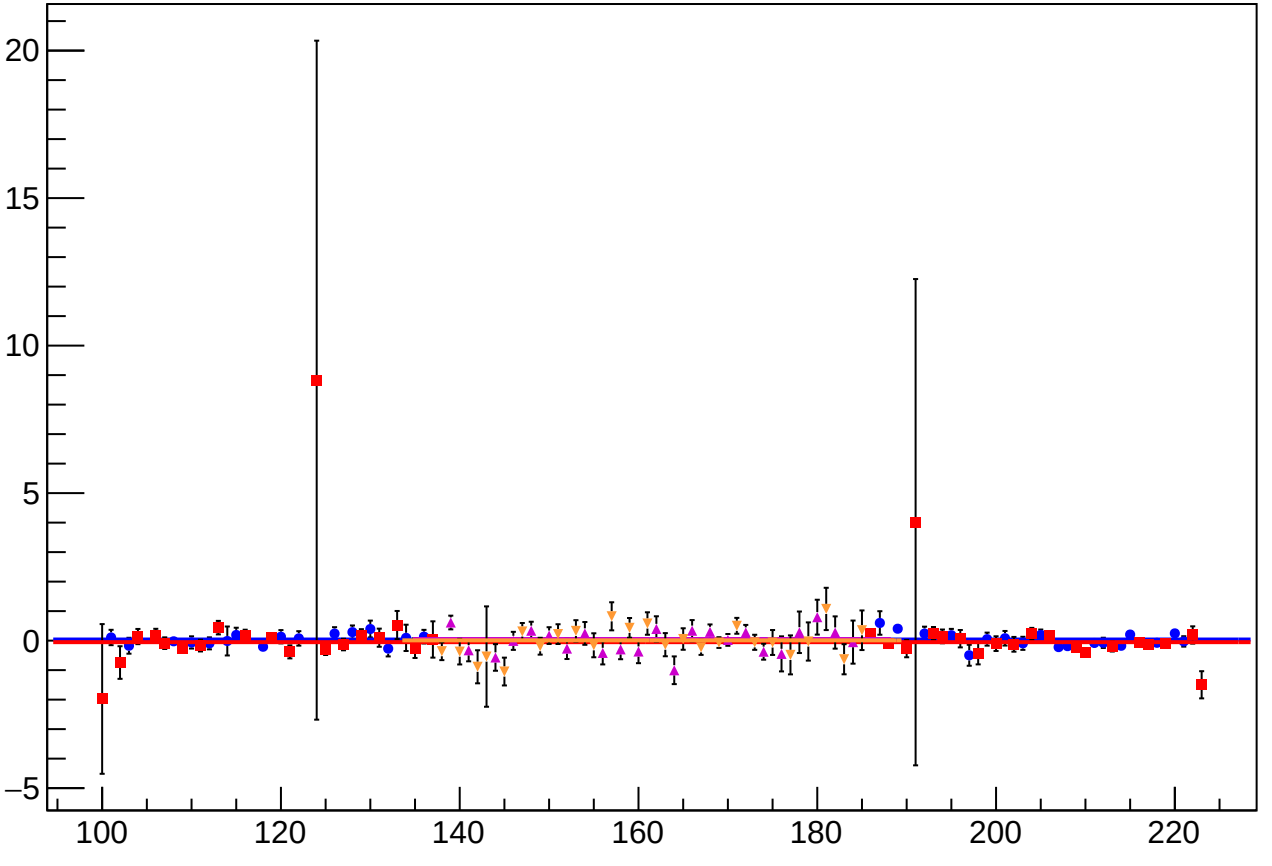
Right: 141.965+/-0.016 χ^2/NDF: 8409430.8/72

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.914+/-0.021 χ^2/NDF:17754436.1/63

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

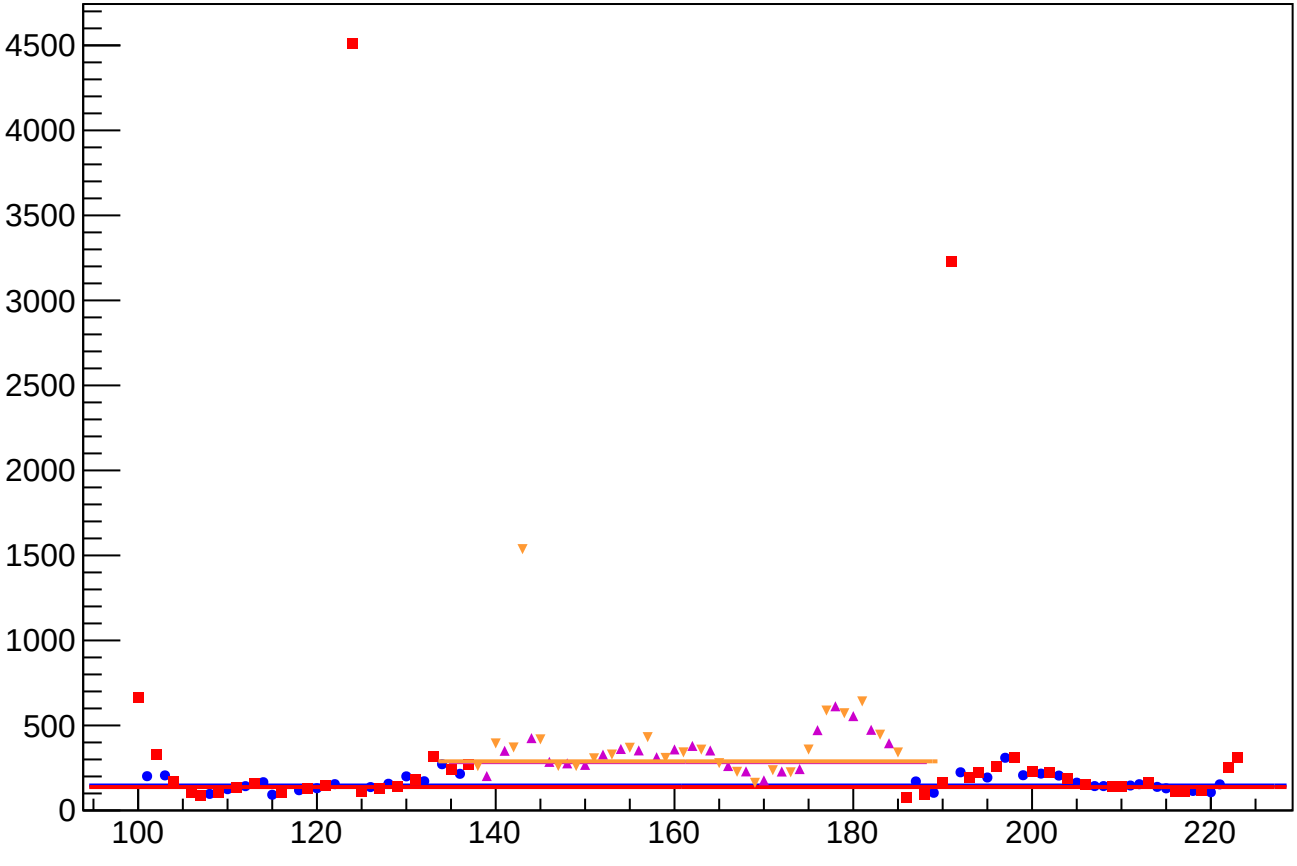
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

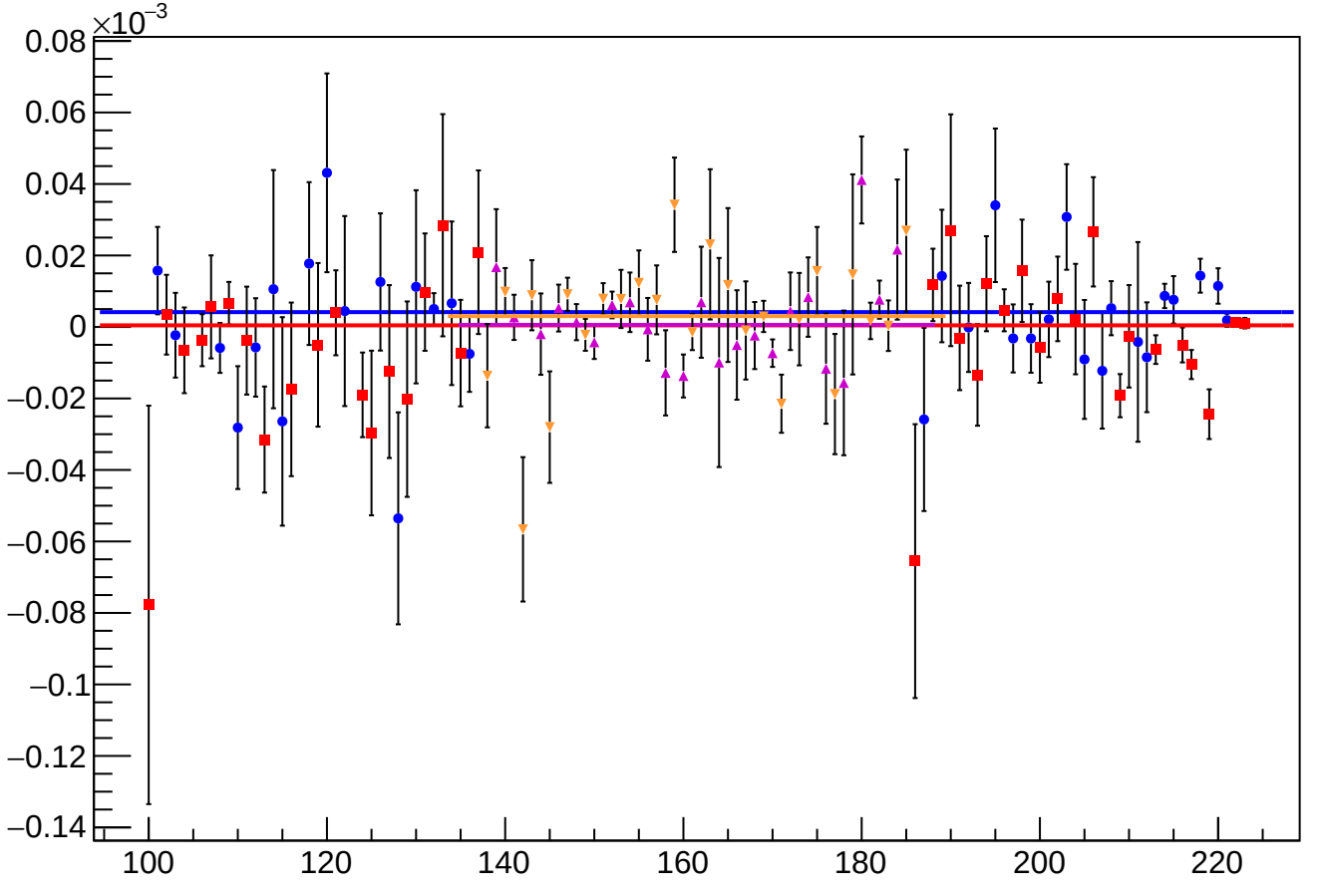
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 141.965+/-0.016 χ^2/NDF: 8409430.8/72

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 162.914+/-0.021 χ^2/NDF:17754436.1/63

All: 167.126+/-0.015 χ^2/NDF: 29948208.7/12



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

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

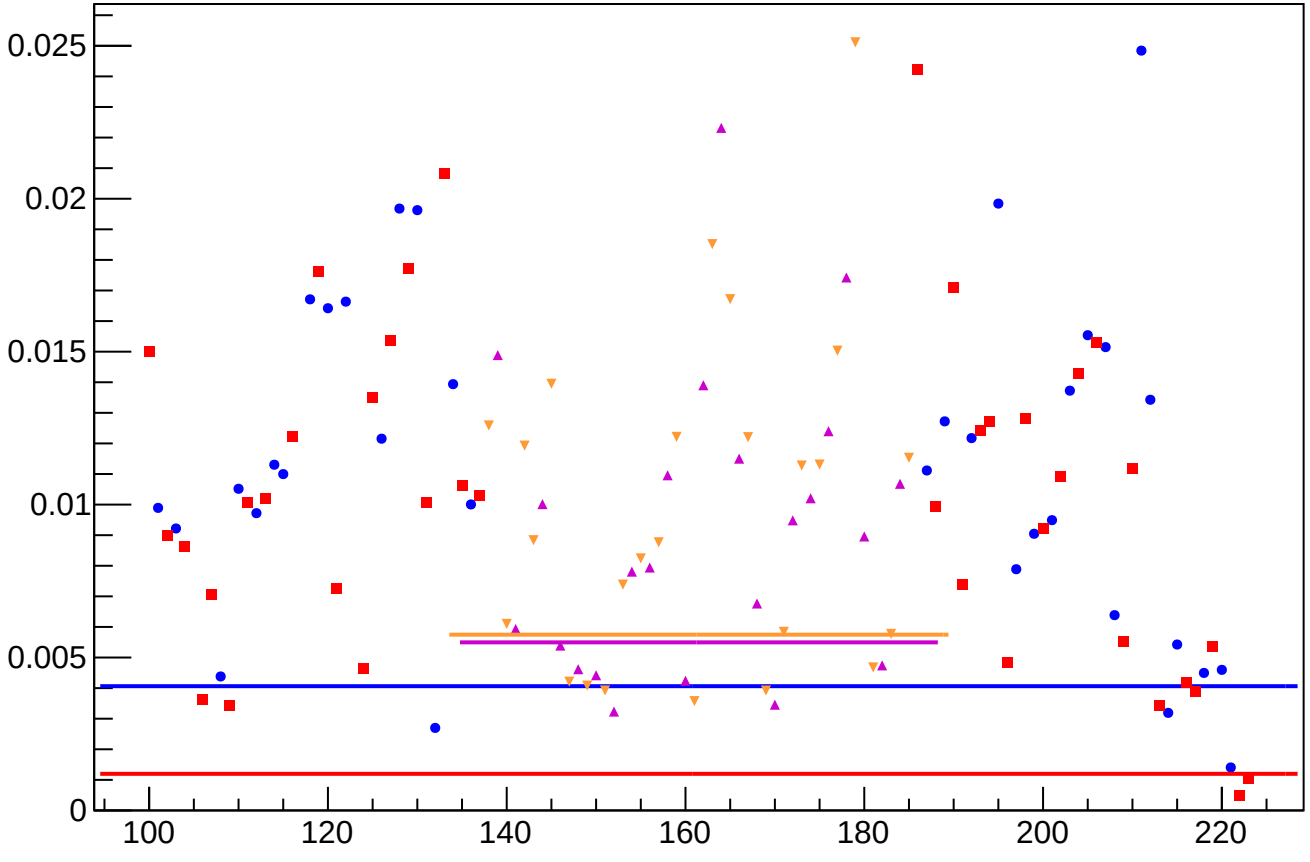
Right: 0.000+/-0.000 χ^2/NDF: 110.2/72

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: 0.000+/-0.000 χ^2/NDF:110.1/63

All: 0.000+/-0.000 χ^2/NDF: 187.3/120

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

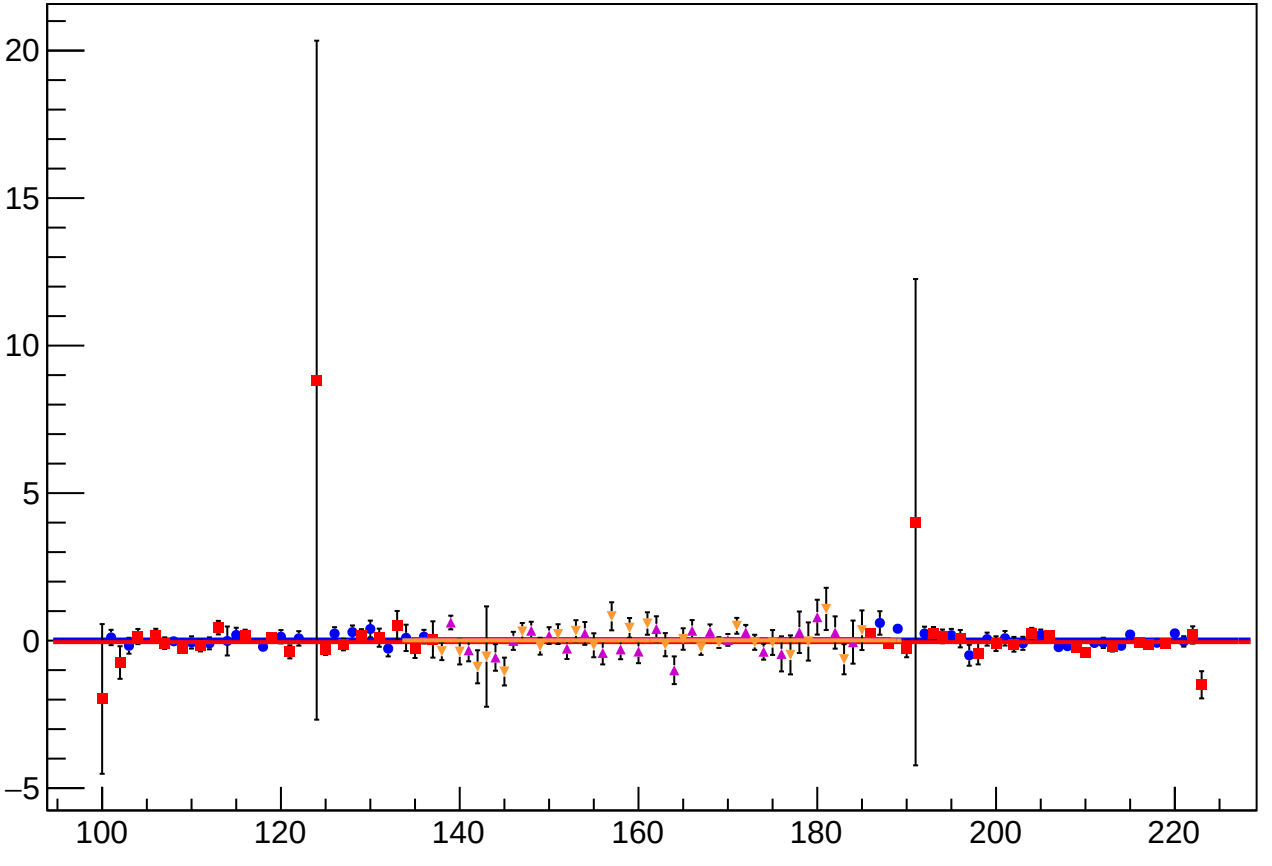
Right: 0.002+/-0.000 χ^2/NDF: 60530282.1/72

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.002+/-0.000 χ^2/NDF:56300032.4/63

All: 0.002+/-0.000 χ^2/NDF: 98287235.8/120

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

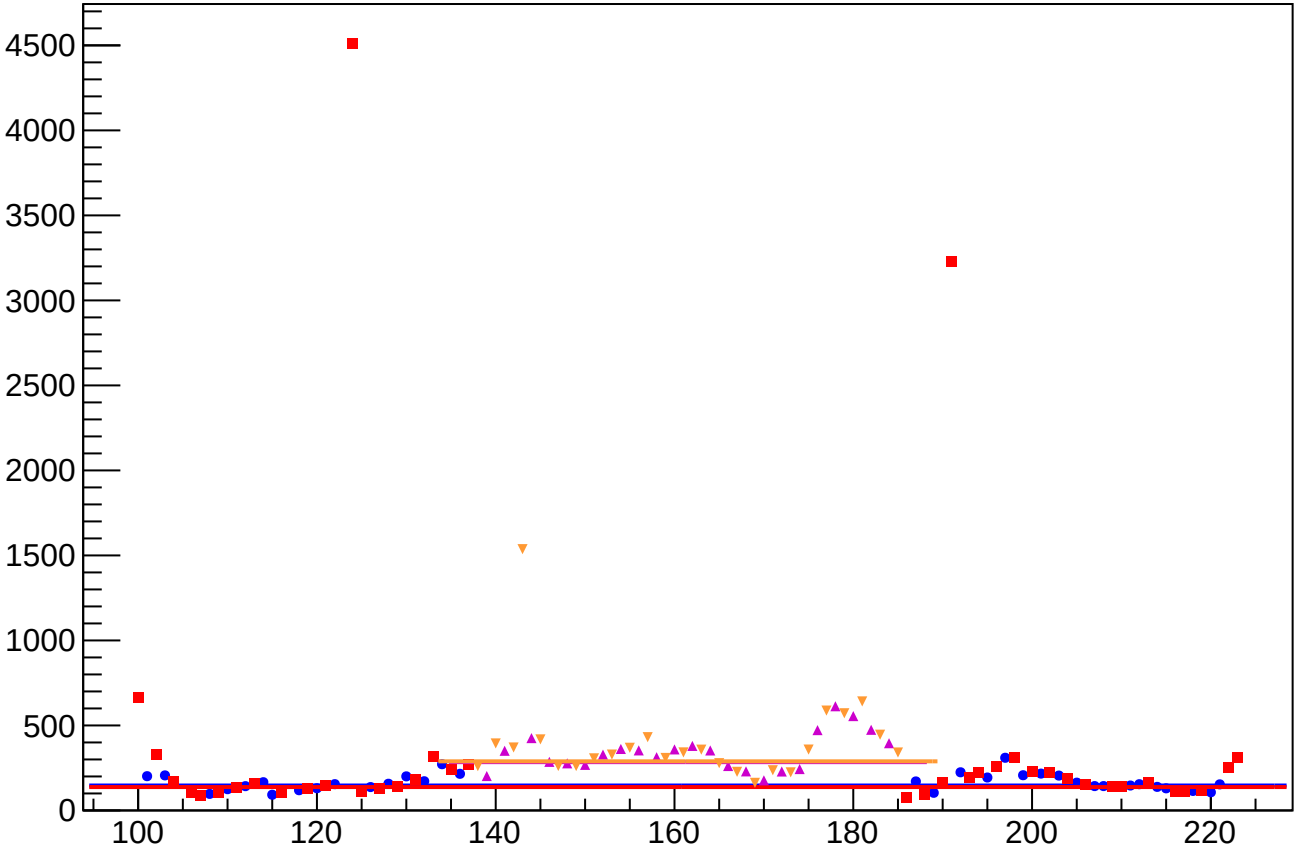
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

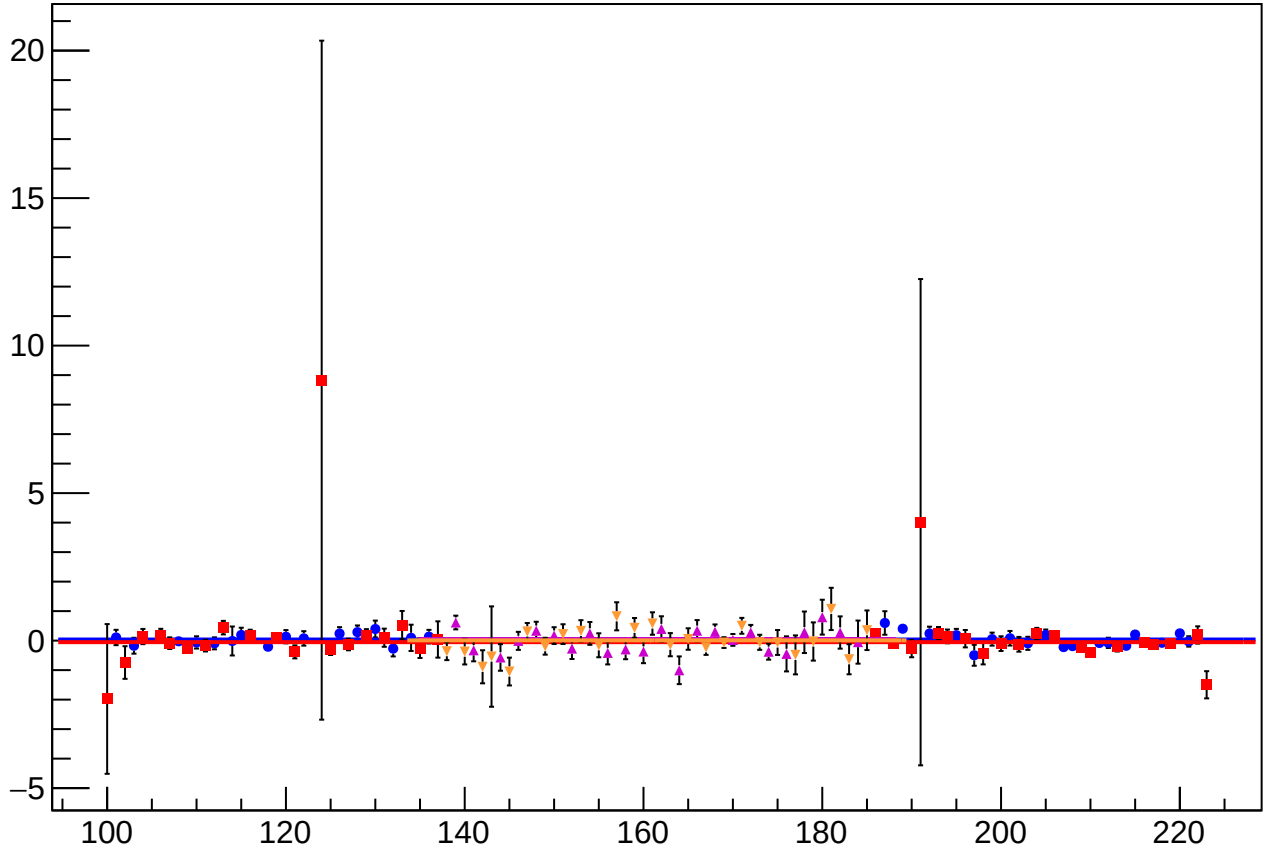
Right: 141.967+/-0.016 χ^2/NDF: 8409224.5/72

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.916+/-0.021 χ^2/NDF:17754201.0/63

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

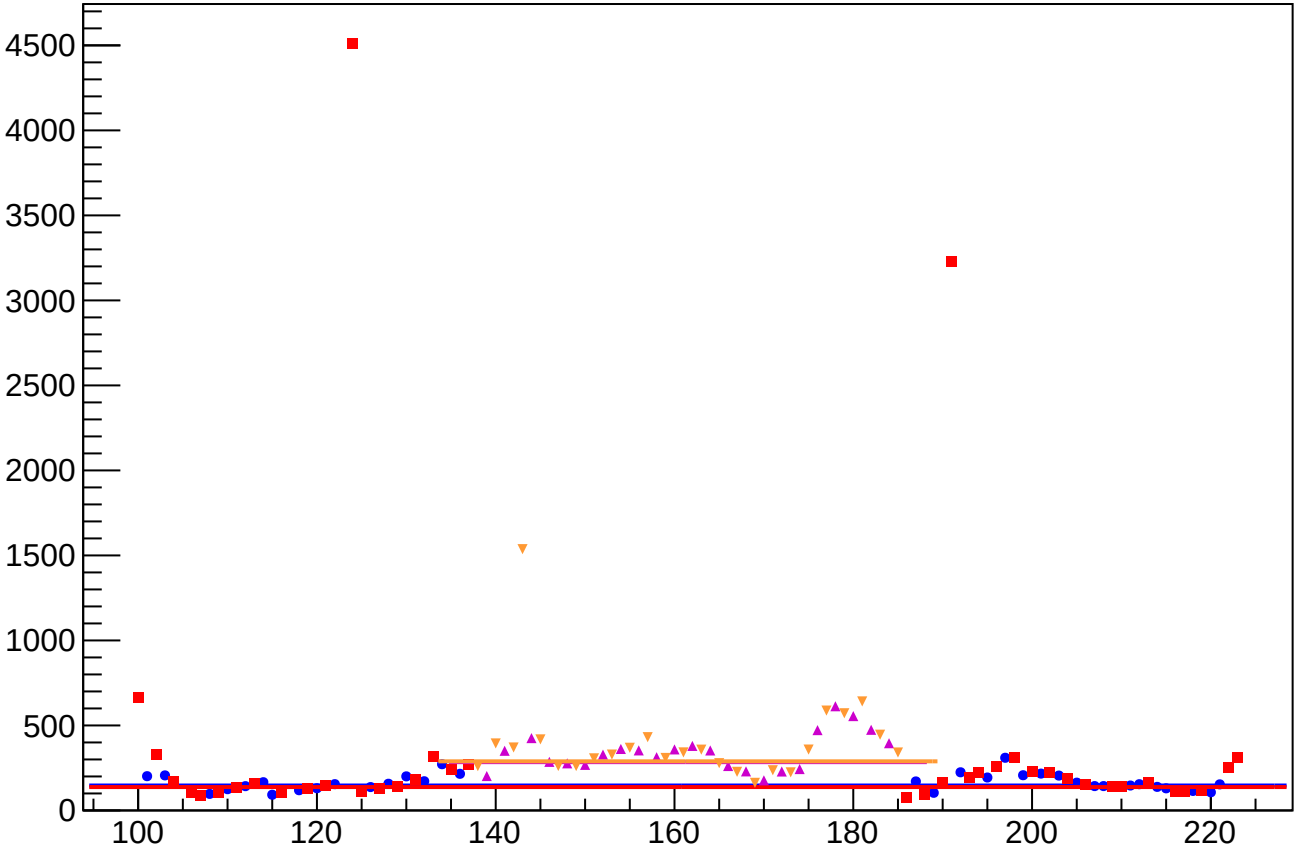
Right: -0.009+/-0.023 χ^2/NDF: 91.3/72

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.042+/-0.029 χ^2/NDF:81.6/63

All: -0.002+/-0.021 χ^2/NDF: 148.7/120

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

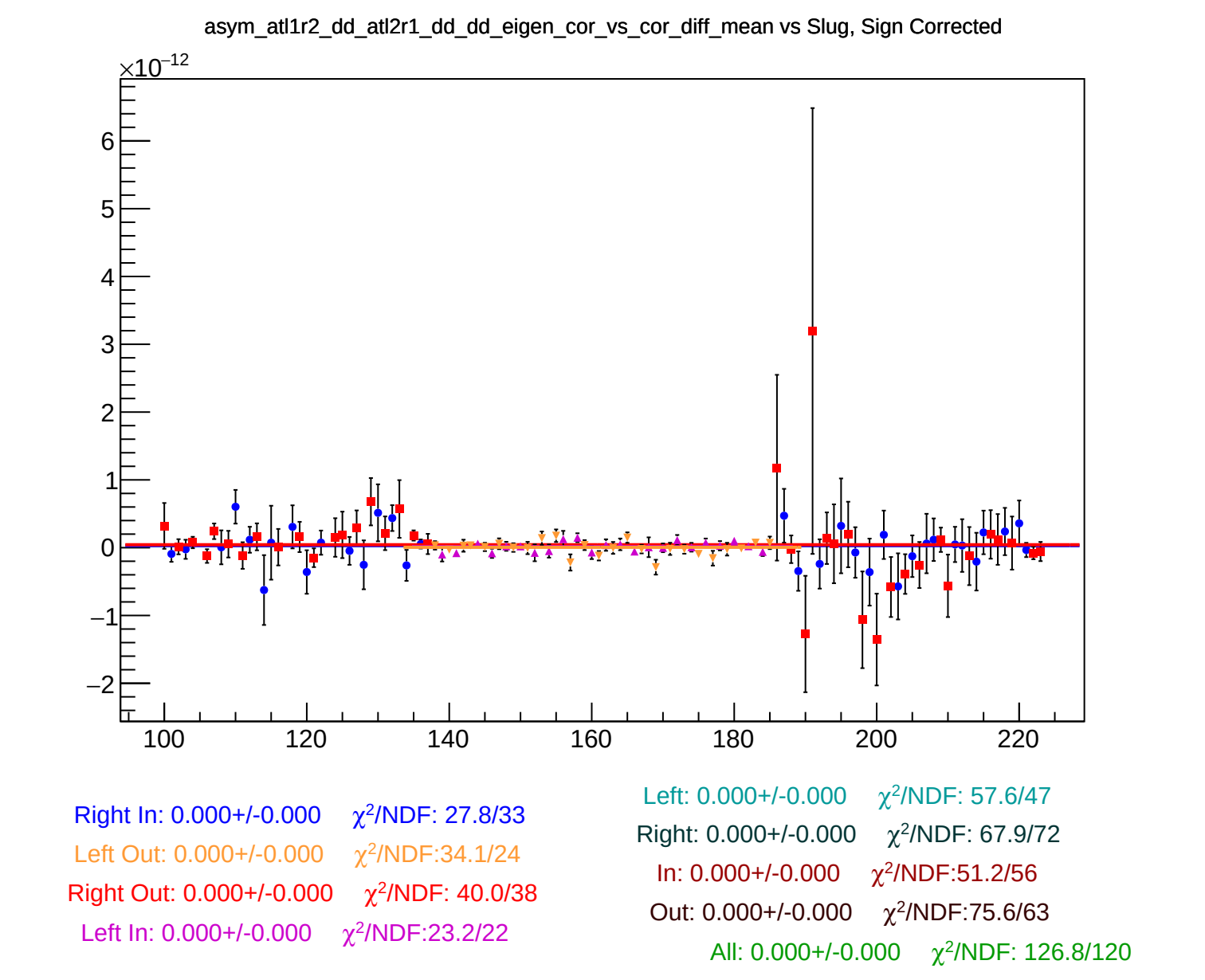
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 141.967+/-0.016 χ^2/NDF: 8409224.5/72

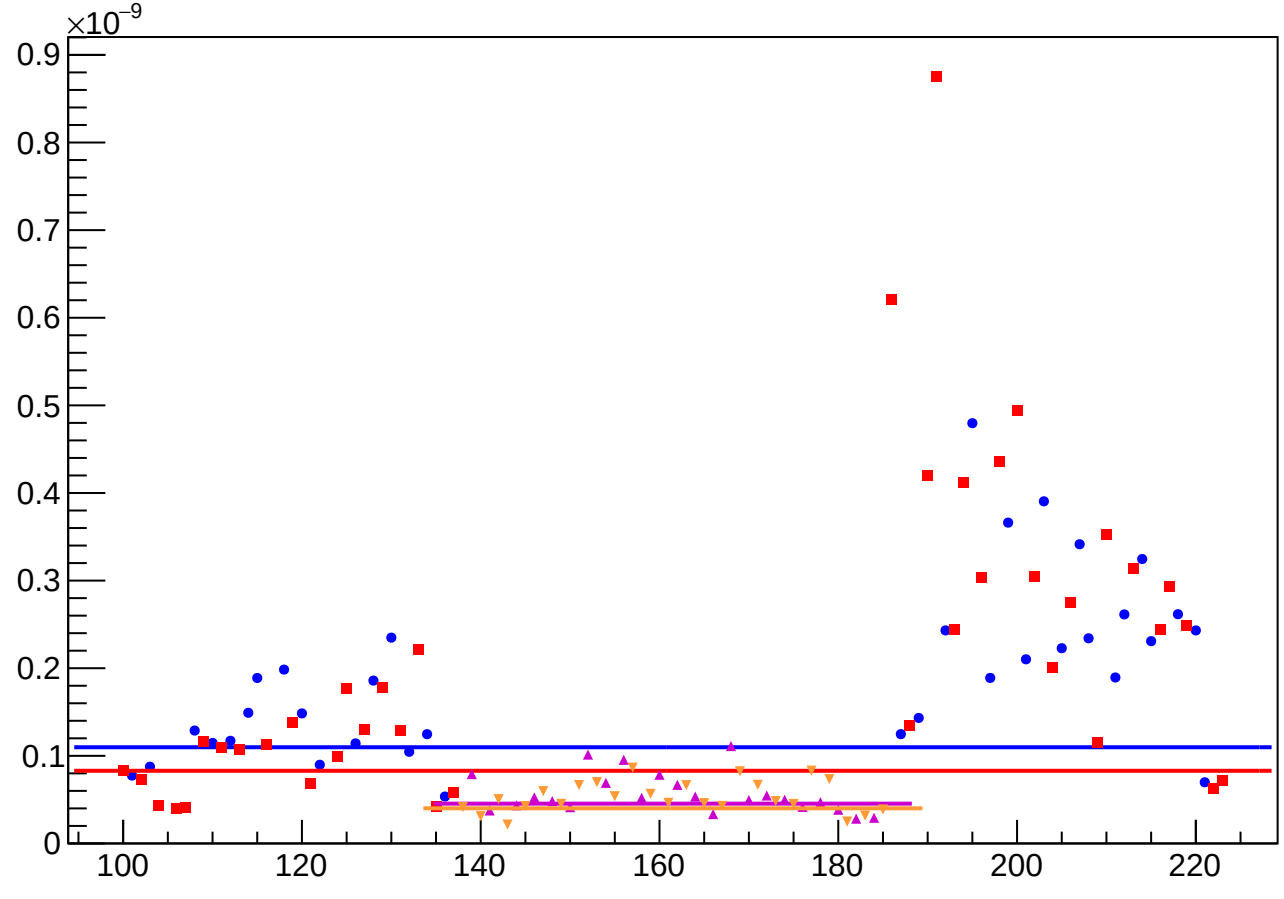
In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 162.916+/-0.021 χ^2/NDF:17754201.0/63

All: 167.127+/-0.015 χ^2/NDF: 29948082.4/12


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 27.8/33
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 40.0/38
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 67.9/72
In: 0.000+/-0.000 χ²/NDF:51.2/56
Out: 0.000+/-0.000 χ²/NDF:75.6/63
All: 0.000+/-0.000 χ²/NDF: 126.8/120

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

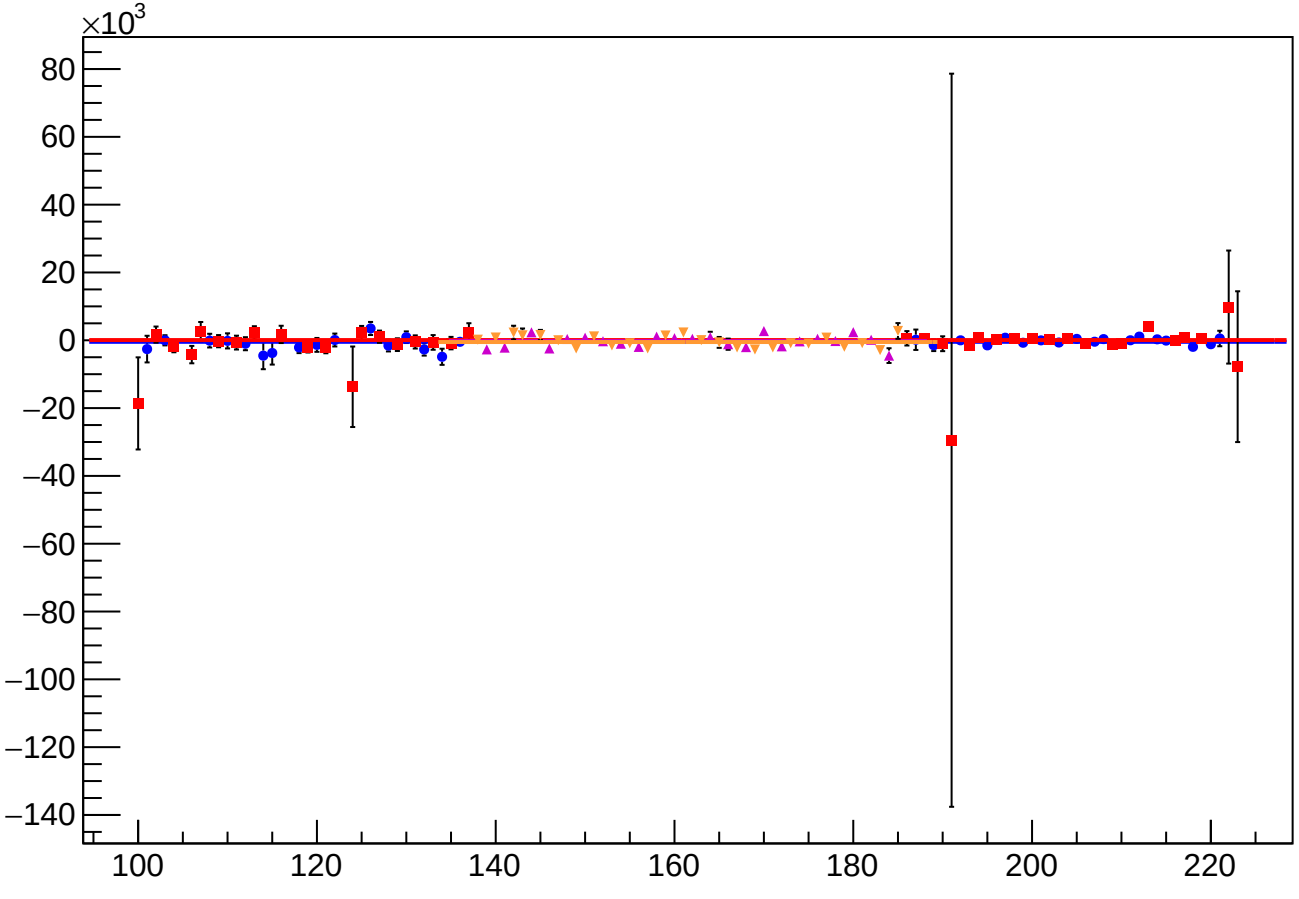
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19048757.1/72

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17713545.4/63

All: 0.000+/-0.000 χ^2/NDF: 34292033.4/120



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

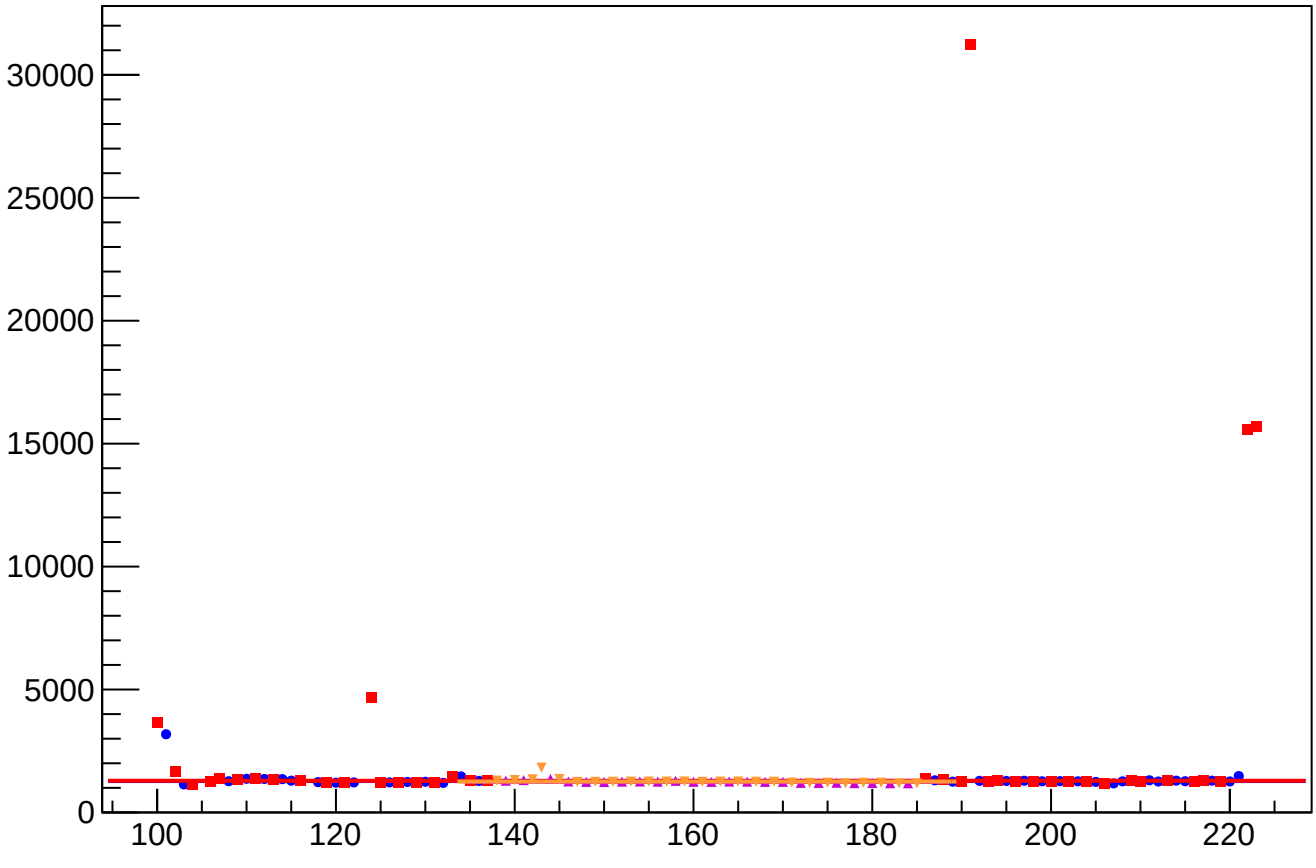
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -195.475+/-197.206 χ^2/NDF: 52.3/72

In: -350.013+/-200.804 χ^2/NDF:52.3/56

Out: -220.571+/-200.244 χ^2/NDF:63.7/63

All: -285.111+/-141.791 χ^2/NDF: 116.2/120



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

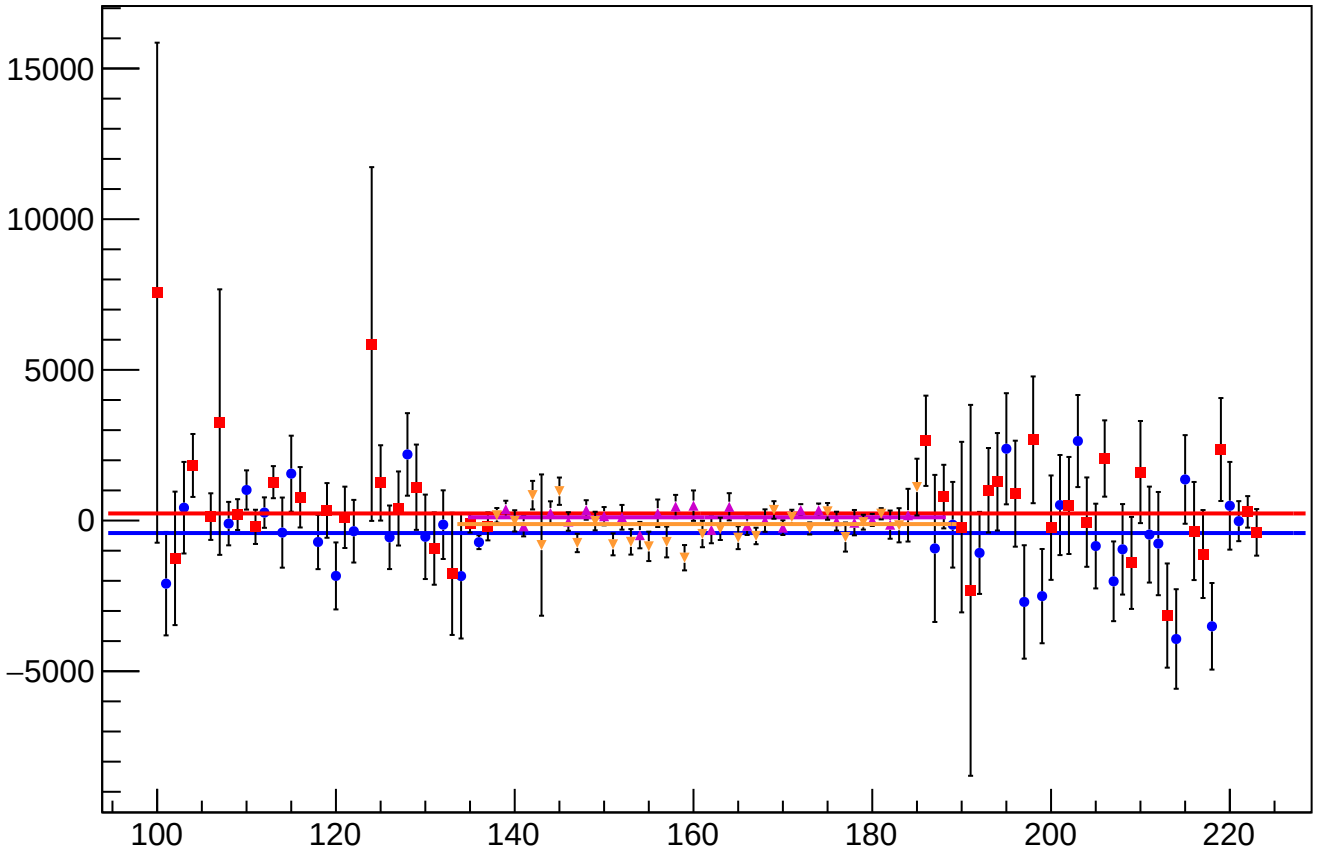
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1282.861+/-0.139 χ^2/NDF: 3374143.8/72

In: 1262.242+/-0.142 χ^2/NDF:602012.9/56

Out: 1272.688+/-0.142 χ^2/NDF:3038595.7/63

All: 1267.479+/-0.100 χ^2/NDF: 3643322.4/12



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

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

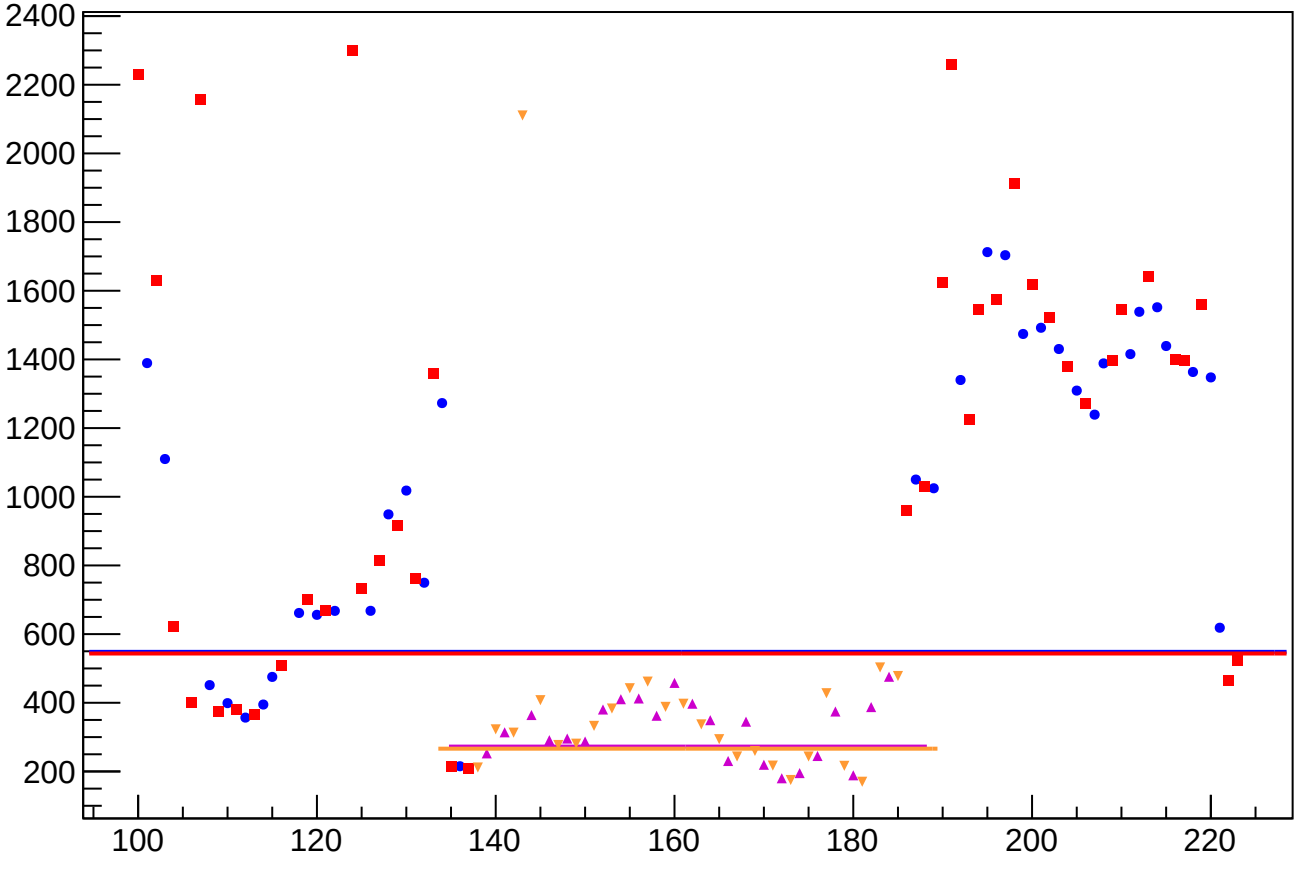
Right: -80.627+/-104.387 χ^2/NDF: 82.3/72

In: 20.220+/-61.154 χ^2/NDF:65.4/56

Out: -58.376+/-59.402 χ^2/NDF:84.4/63

All: -20.219+/-42.610 χ^2/NDF: 150.6/120

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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

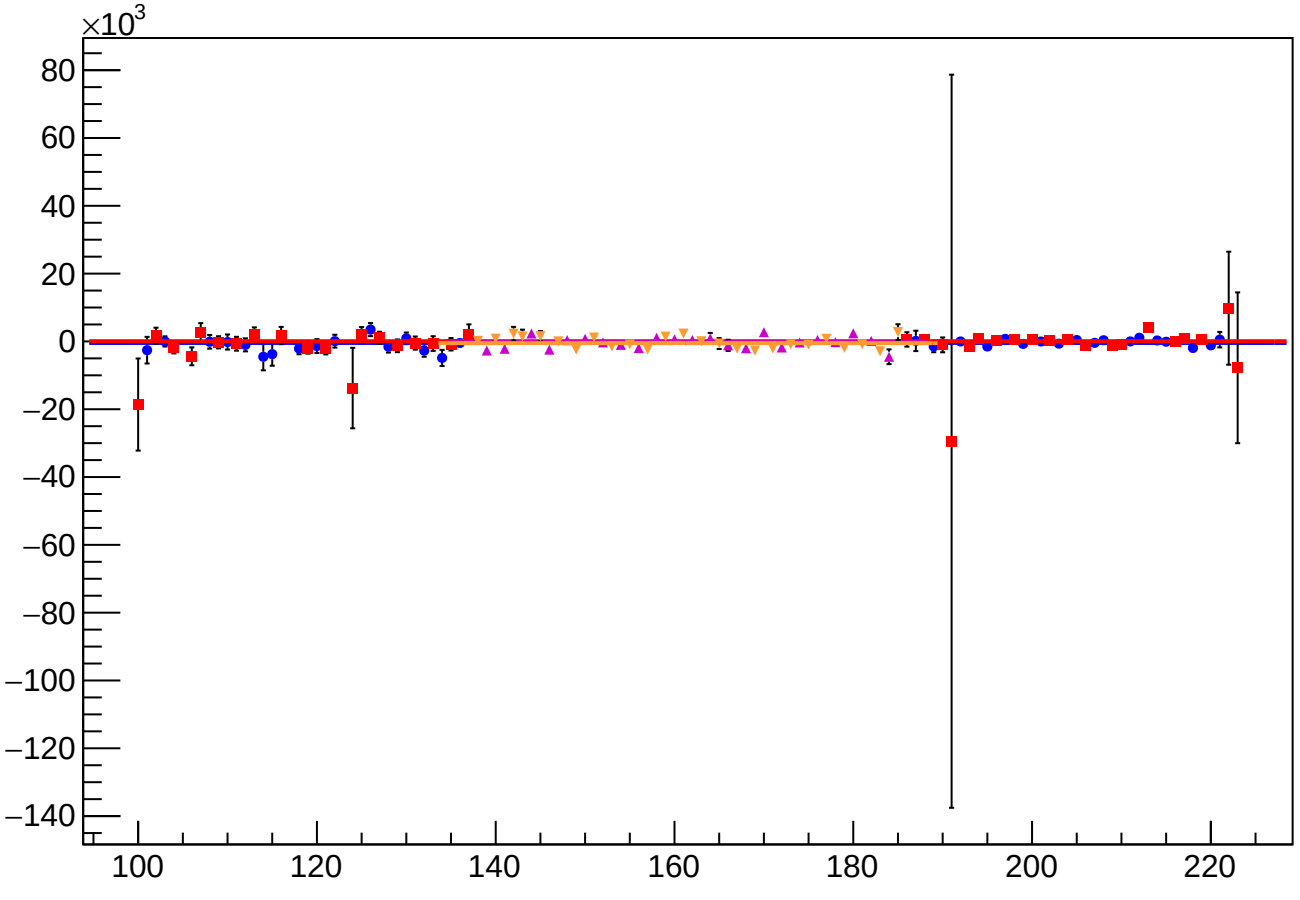
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 545.817+/-0.074 χ^2/NDF: 33148280.9/72

In: 318.425+/-0.043 χ^2/NDF:25129303.2/56

Out: 312.420+/-0.042 χ^2/NDF:27234921.3/63

All: 315.336+/-0.030 χ^2/NDF: 52374146.8/12



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

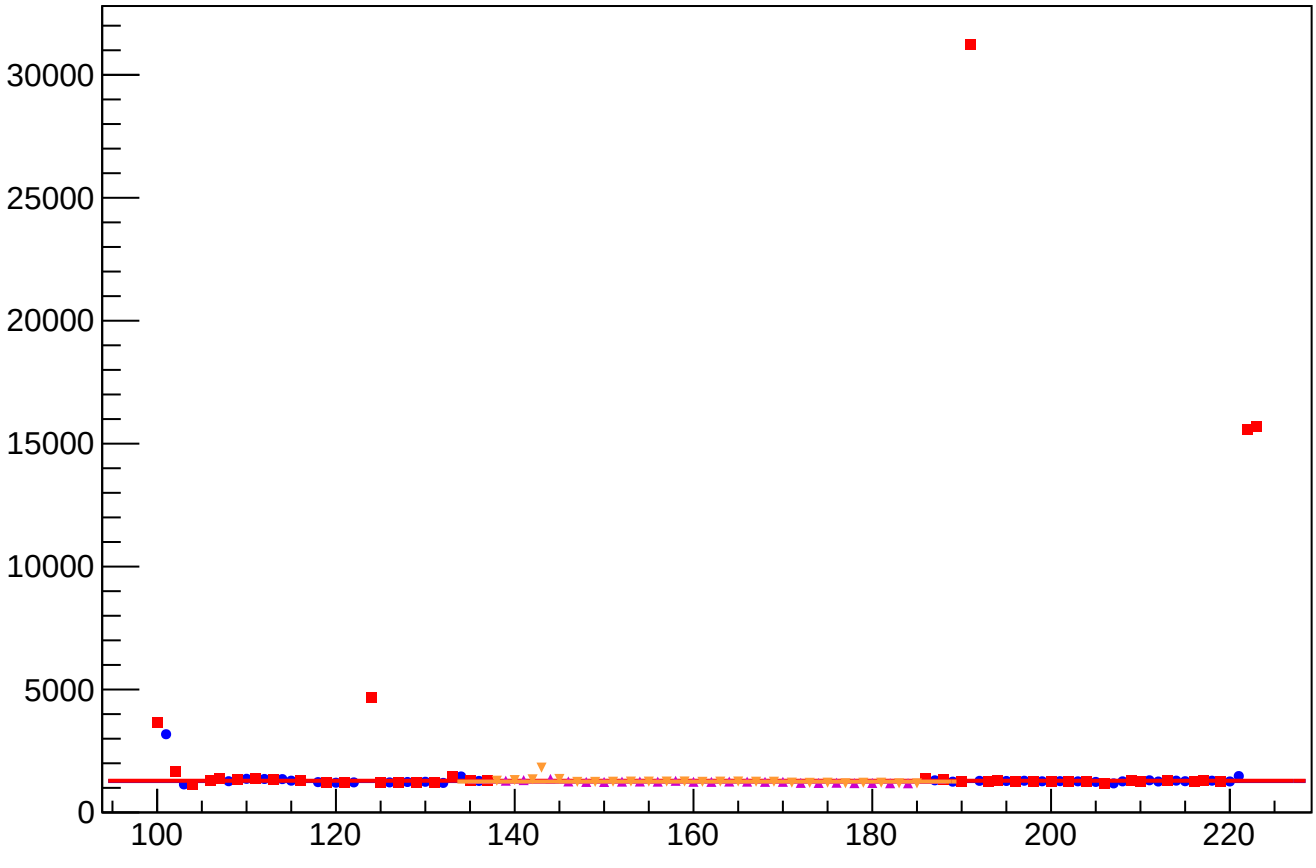
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -194.924+/-197.241 χ^2/NDF: 52.4/72

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -220.062+/-200.281 χ^2/NDF:63.7/63

All: -284.824+/-141.804 χ^2/NDF: 116.2/120



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

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

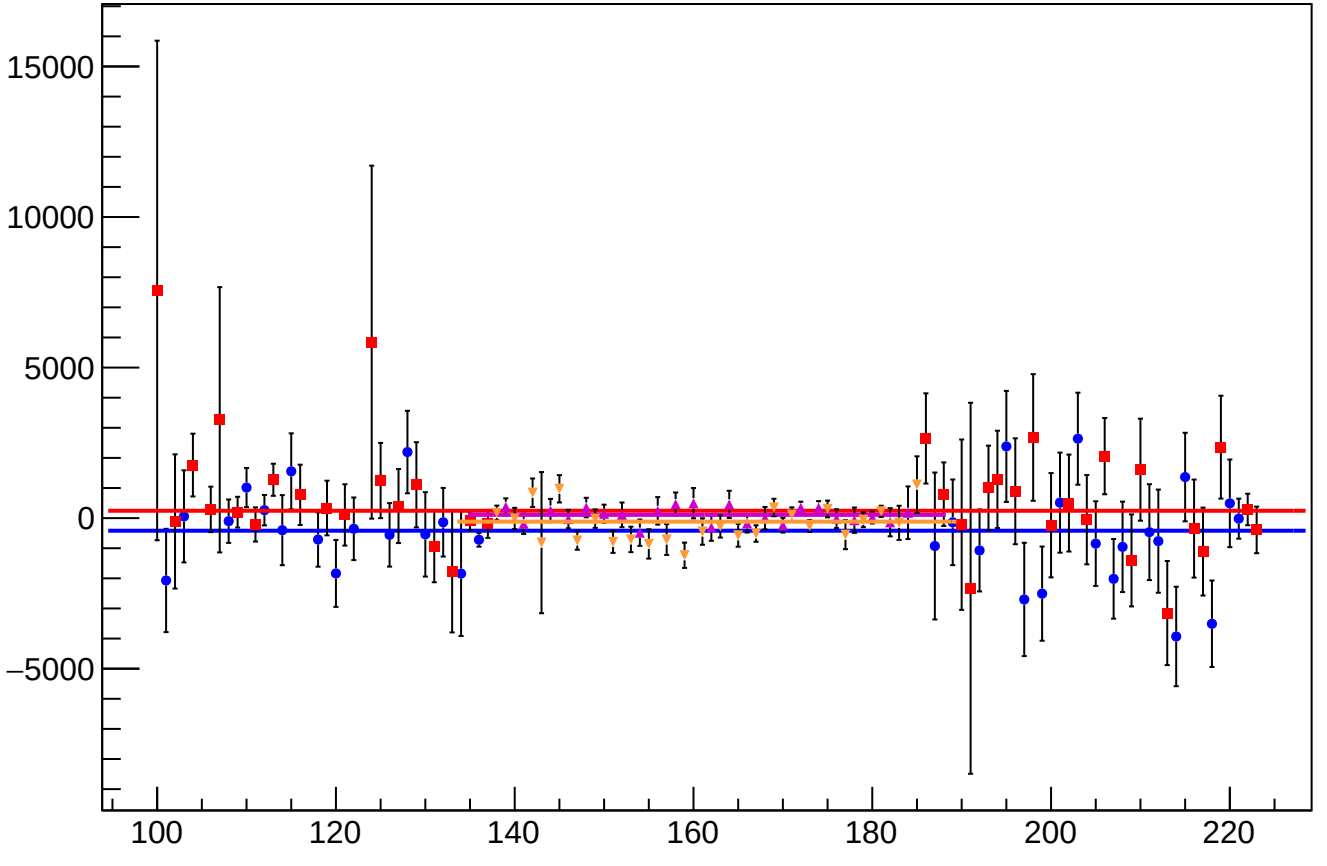
Right: 1283.095+/-0.139 χ^2/NDF: 3374149.9/72

In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1272.926+/-0.142 χ^2/NDF:3038843.2/63

All: 1267.598+/-0.100 χ^2/NDF: 3643695.7/12

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



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

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

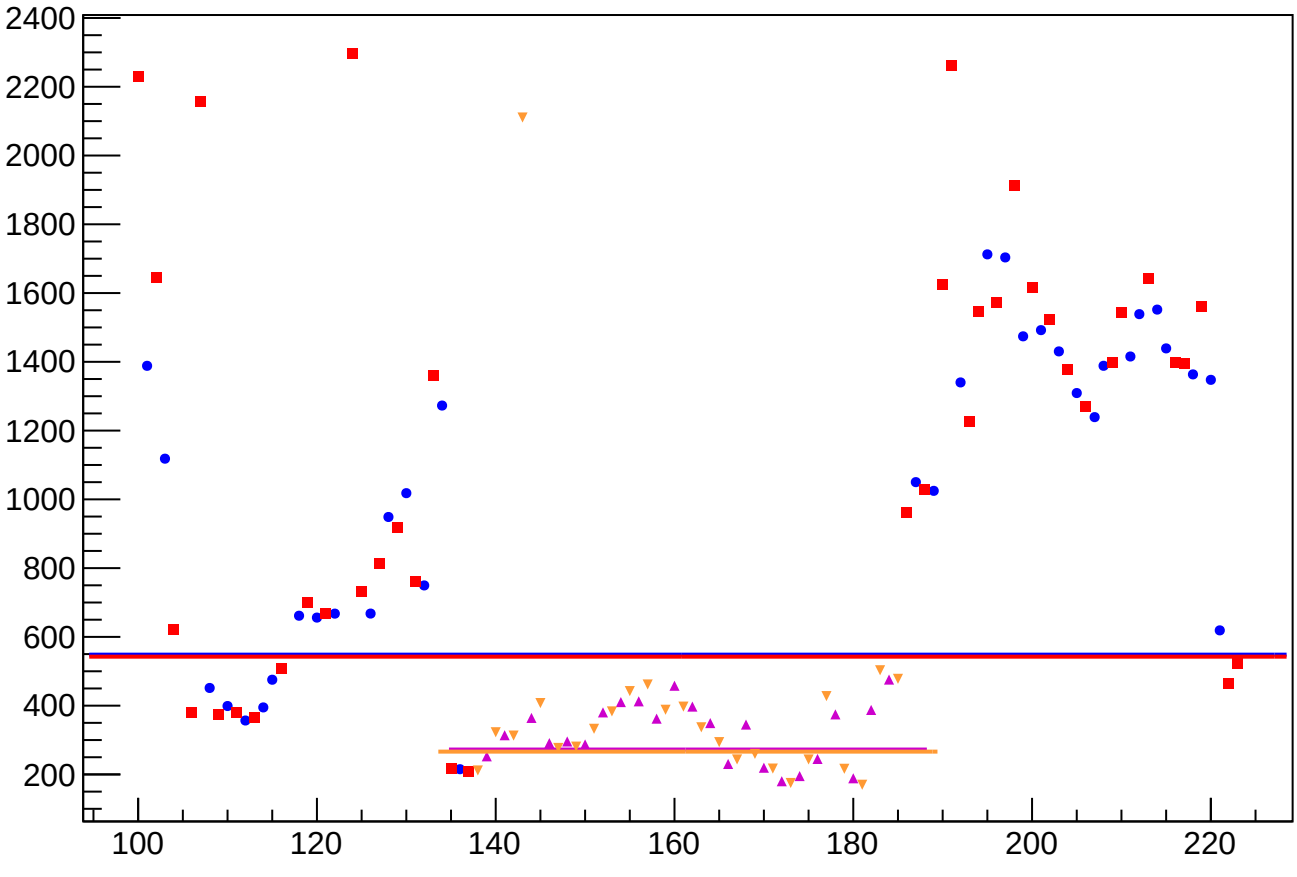
Right: -77.085+/-104.347 χ^2/NDF: 81.8/72

In: 19.757+/-61.157 χ^2/NDF:65.3/56

Out: -56.680+/-59.395 χ^2/NDF:84.0/63

All: -19.579+/-42.608 χ^2/NDF: 150.1/120

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



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

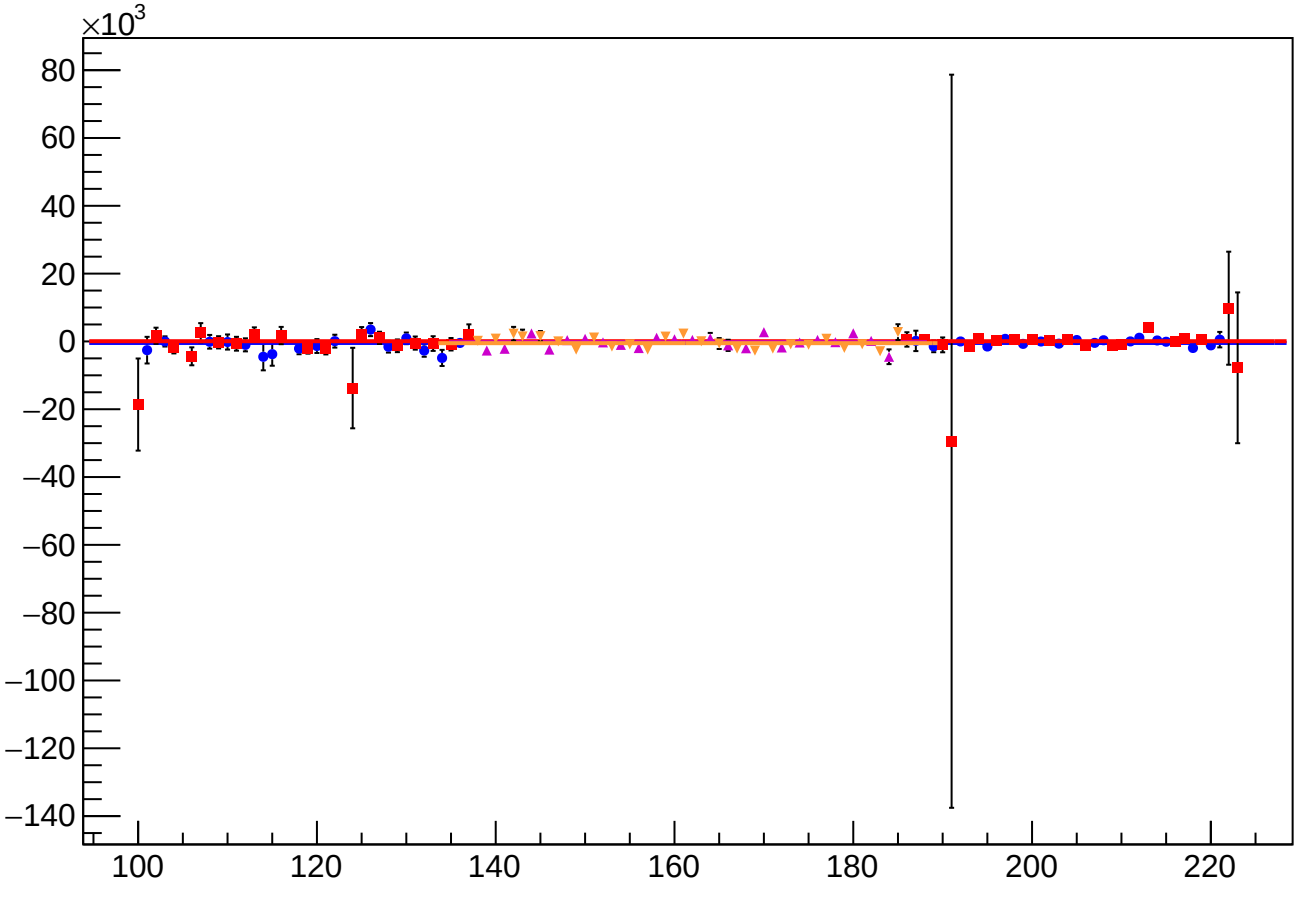
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 545.338+/-0.074 χ^2/NDF: 33182563.0/72

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 312.332+/-0.042 χ^2/NDF:27231808.3/63

All: 315.293+/-0.030 χ^2/NDF: 52374460.5/12



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

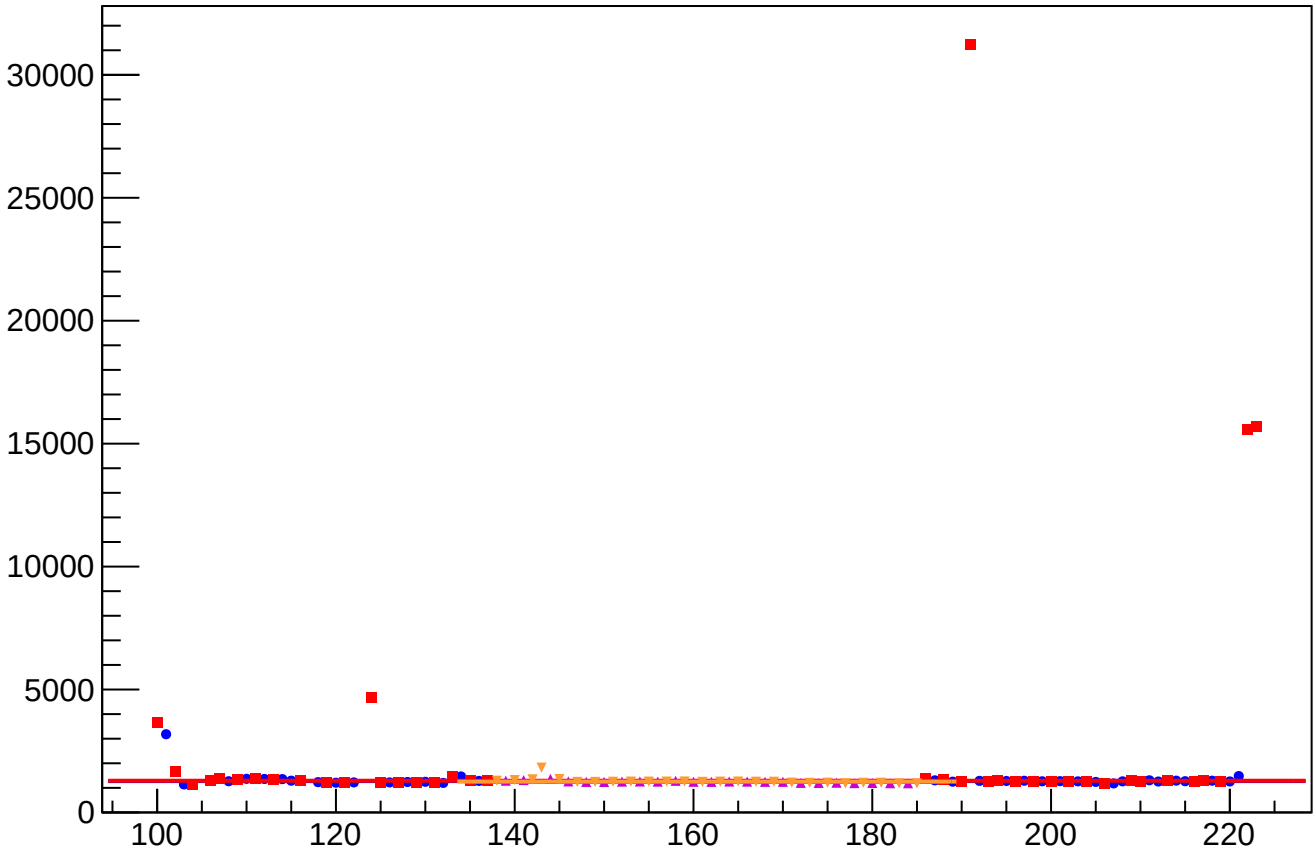
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -194.924+/-197.241 χ^2/NDF: 52.4/72

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -220.062+/-200.281 χ^2/NDF:63.7/63

All: -284.824+/-141.804 χ^2/NDF: 116.2/120



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

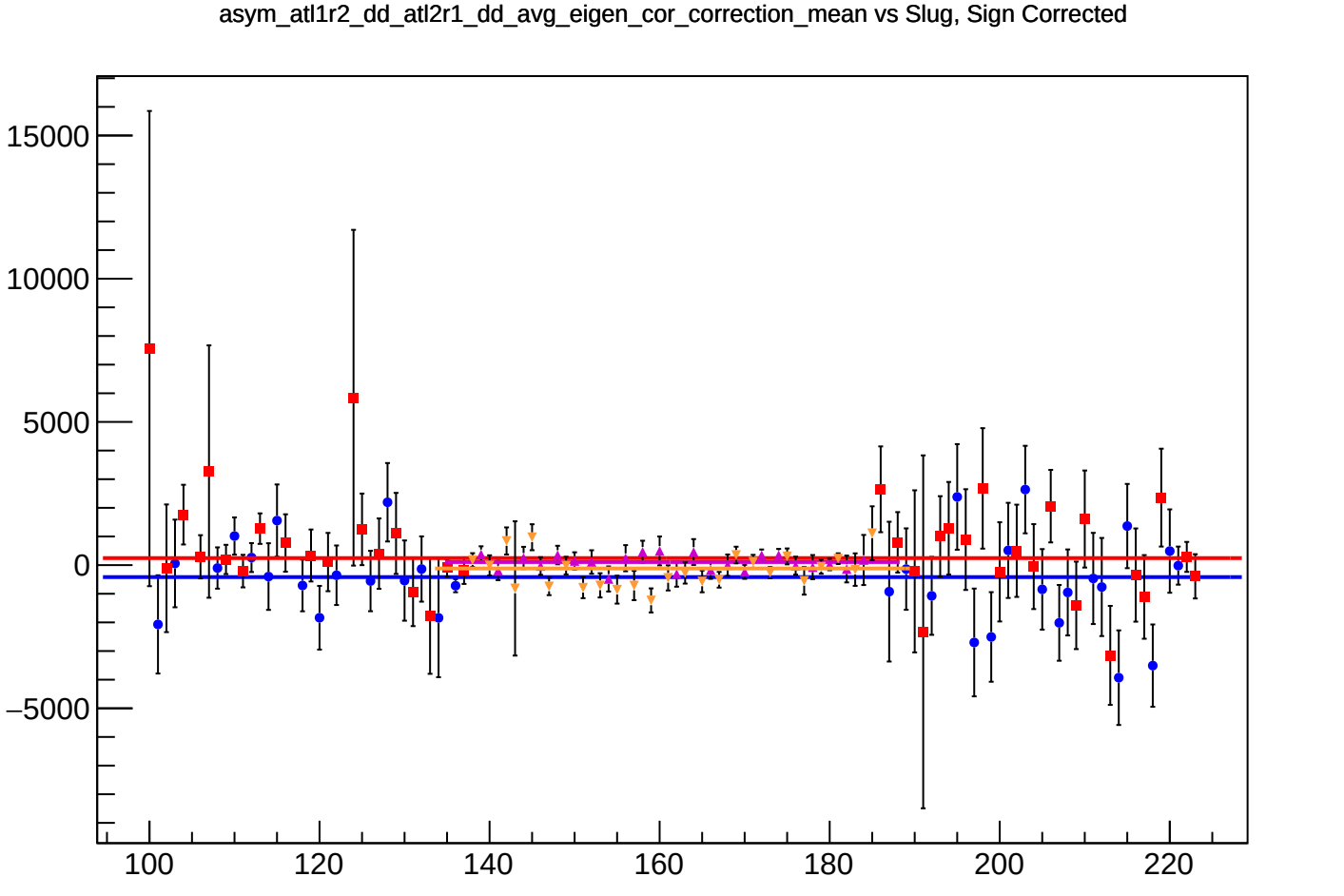
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1283.095+/-0.139 χ^2/NDF: 3374149.9/72

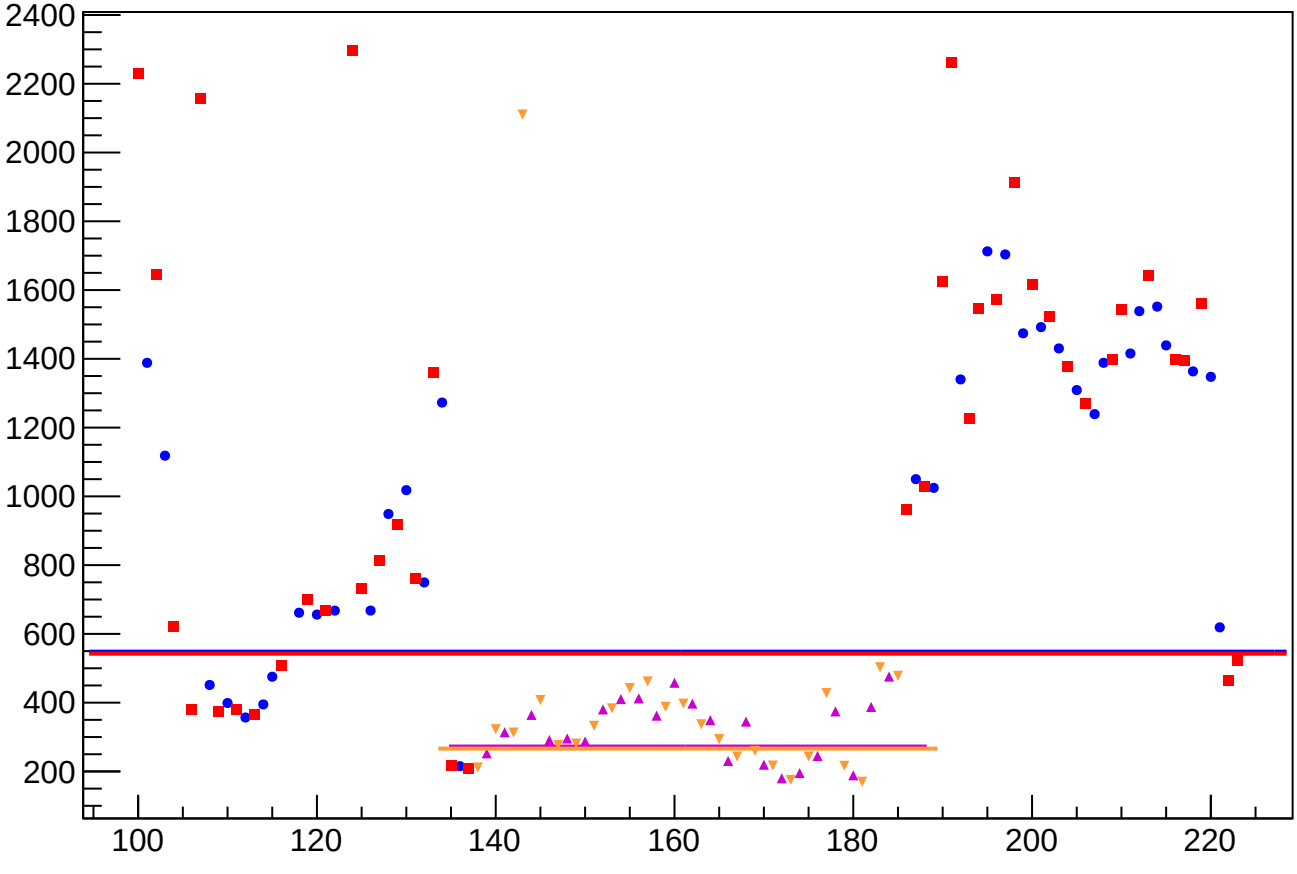
In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1272.926+/-0.142 χ^2/NDF:3038843.2/63

All: 1267.598+/-0.100 χ^2/NDF: 3643695.7/12


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
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
Left: -8.072+/-46.676 χ²/NDF: 68.0/47
Right: -77.085+/-104.347 χ²/NDF: 81.8/72
In: 19.757+/-61.157 χ²/NDF:65.3/56
Out: -56.680+/-59.395 χ²/NDF:84.0/63
All: -19.579+/-42.608 χ²/NDF: 150.1/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

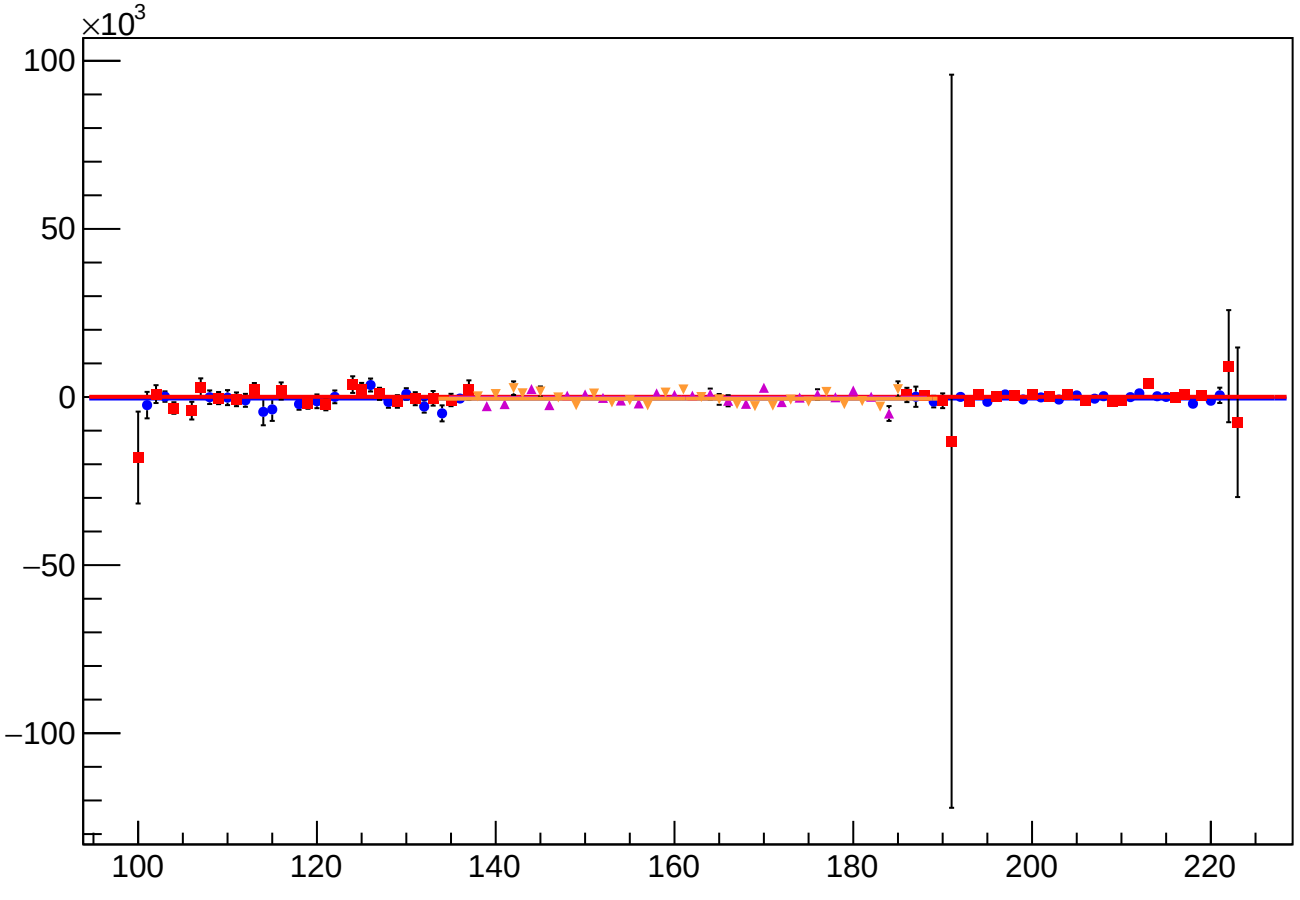
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 545.338+/-0.074 χ^2/NDF: 33182563.0/72

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 312.332+/-0.042 χ^2/NDF:27231808.3/63

All: 315.293+/-0.030 χ^2/NDF: 52374460.5/12



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

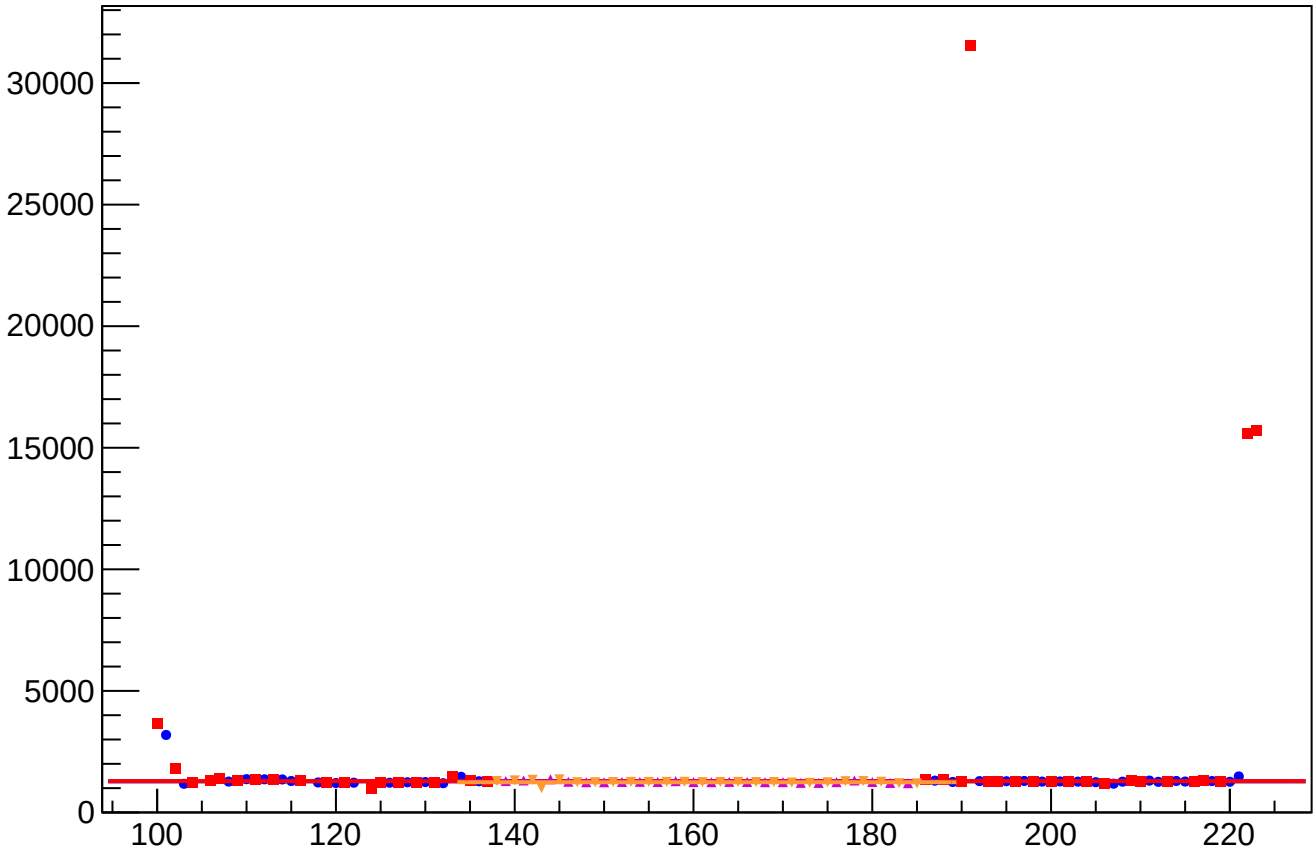
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -190.147+/-197.343 χ^2/NDF: 54.2/72

In: -346.637+/-202.100 χ^2/NDF:50.9/56

Out: -212.376+/-199.021 χ^2/NDF:68.8/63

All: -278.476+/-141.805 χ^2/NDF: 119.9/120



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

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

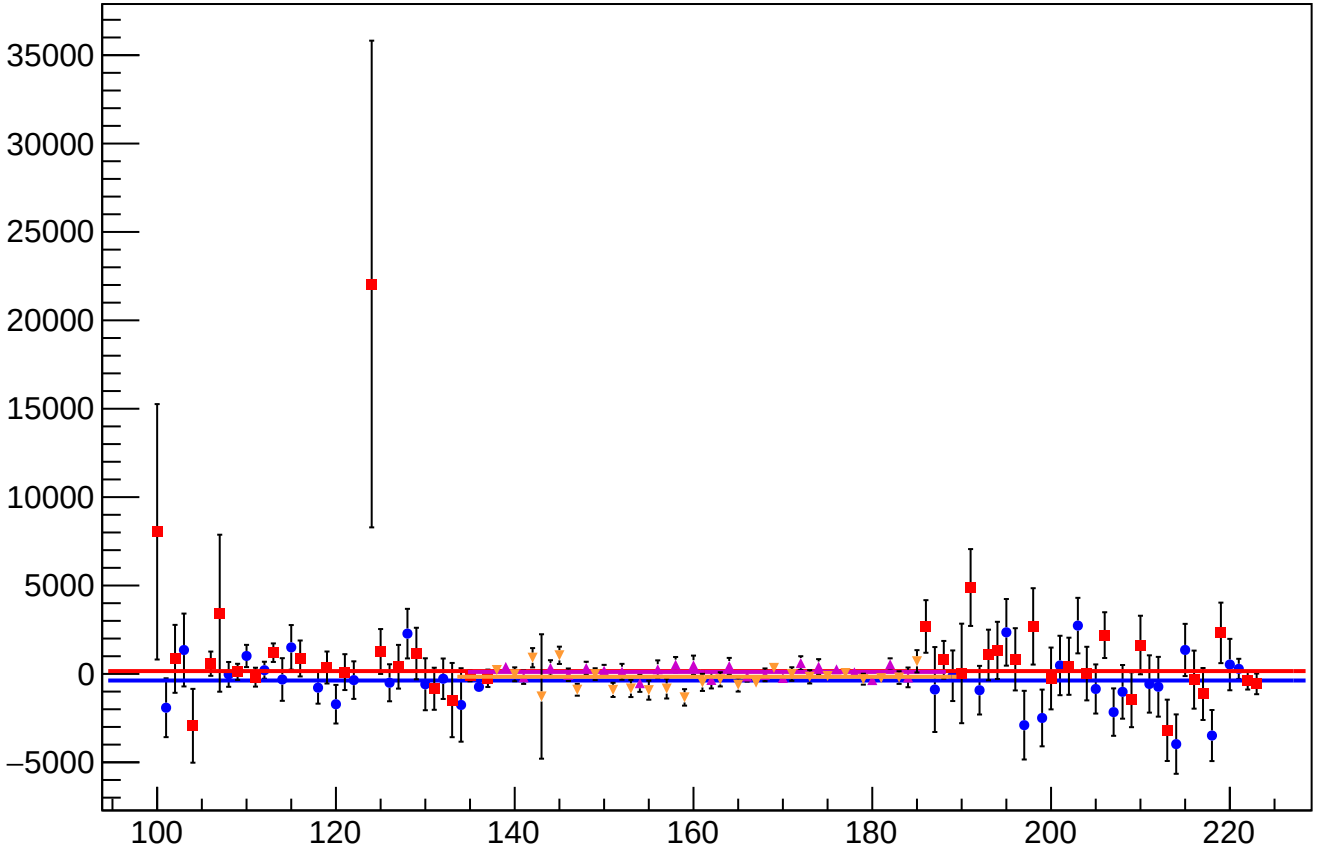
Right: 1283.834+/-0.140 χ^2/NDF: 3246003.0/72

In: 1270.550+/-0.143 χ^2/NDF:575695.4/56

Out: 1265.401+/-0.141 χ^2/NDF:2858140.2/63

All: 1267.936+/-0.100 χ^2/NDF: 3434494.9/12

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



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

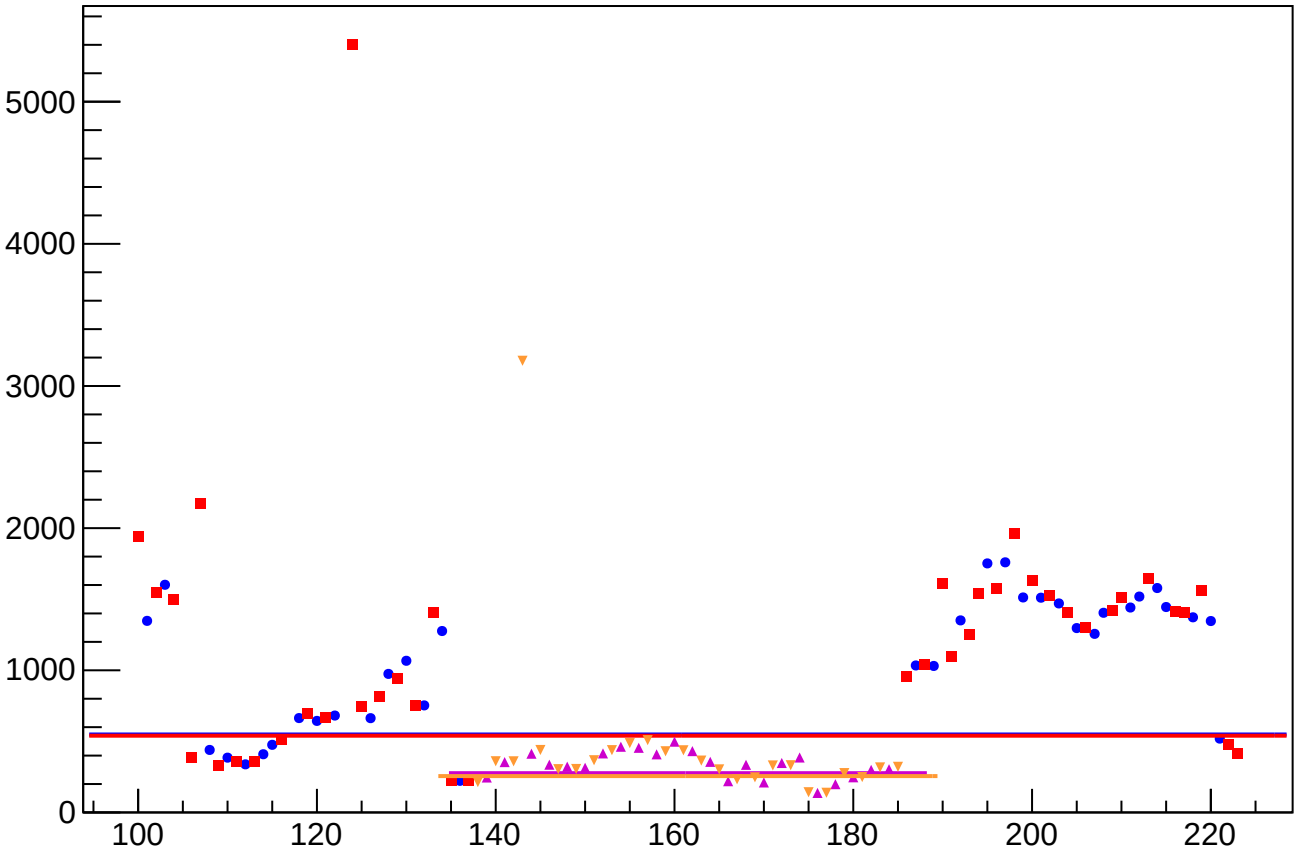
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -95.740+/-103.623 χ^2/NDF: 88.9/72

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -107.587+/-58.554 χ^2/NDF:87.4/63

All: -43.938+/-42.746 χ^2/NDF: 159.7/120



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

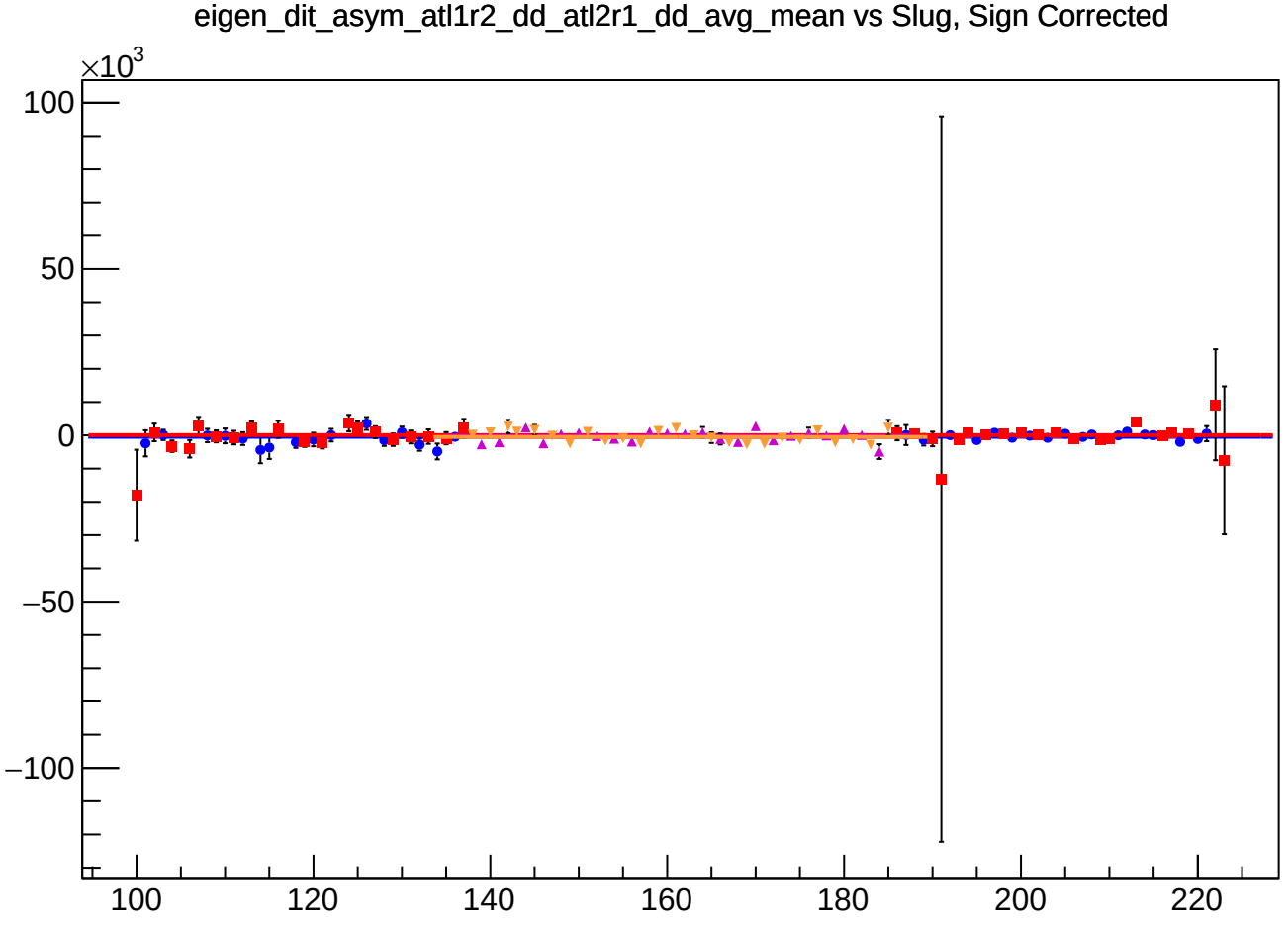
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 544.056+/-0.073 χ^2/NDF: 33880964.4/72

In: 323.777+/-0.044 χ^2/NDF:26170465.3/56

Out: 303.071+/-0.041 χ^2/NDF:30099949.3/63

All: 312.742+/-0.030 χ^2/NDF: 56387232.6/12



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

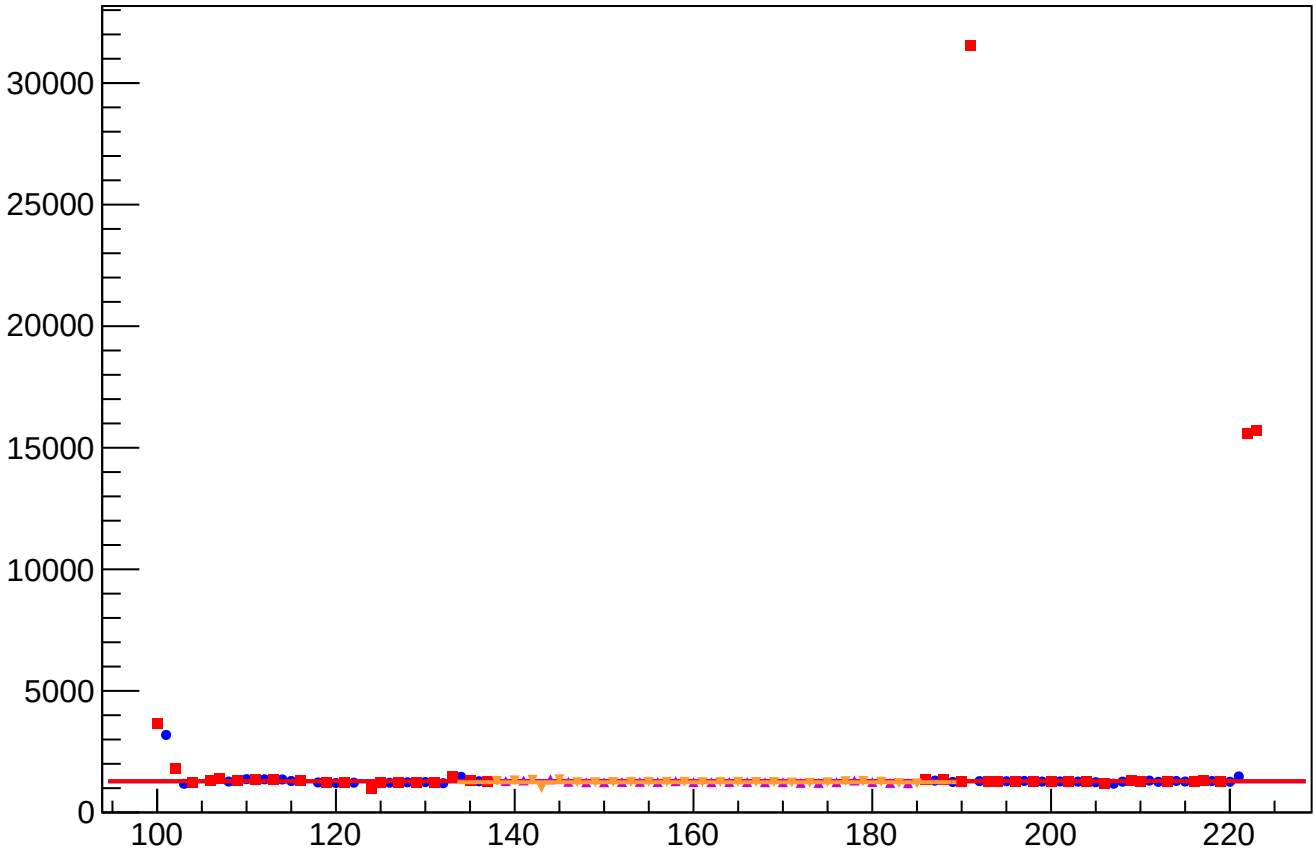
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -190.146+/-197.343 χ^2/NDF: 54.2/72

In: -346.635+/-202.100 χ^2/NDF:50.9/56

Out: -212.376+/-199.021 χ^2/NDF:68.8/63

All: -278.475+/-141.805 χ^2/NDF: 119.9/120



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

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

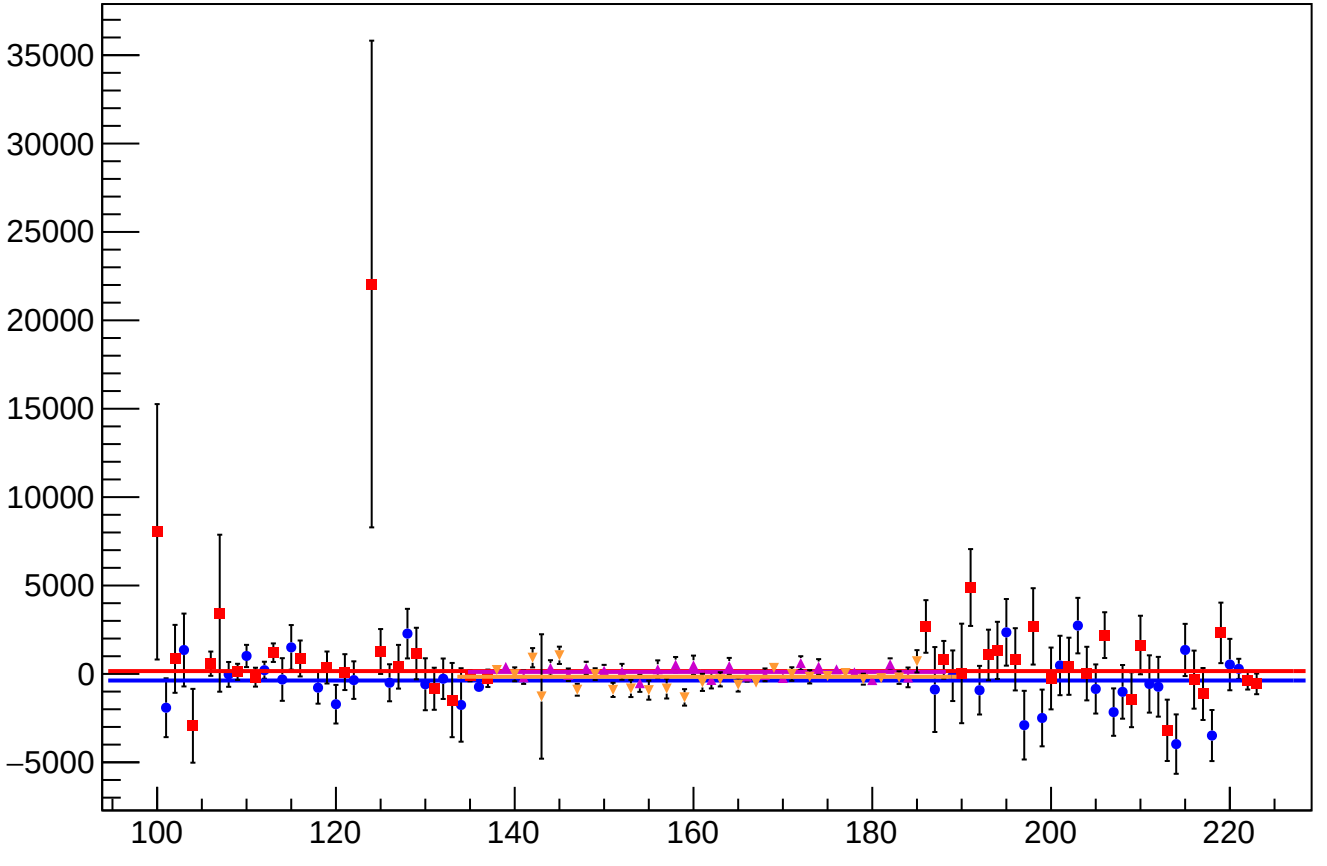
Right: 1283.834+/-0.140 χ^2/NDF: 3246003.3/72

In: 1270.550+/-0.143 χ^2/NDF:575695.5/56

Out: 1265.401+/-0.141 χ^2/NDF:2858139.6/63

All: 1267.936+/-0.100 χ^2/NDF: 3434494.4/12

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

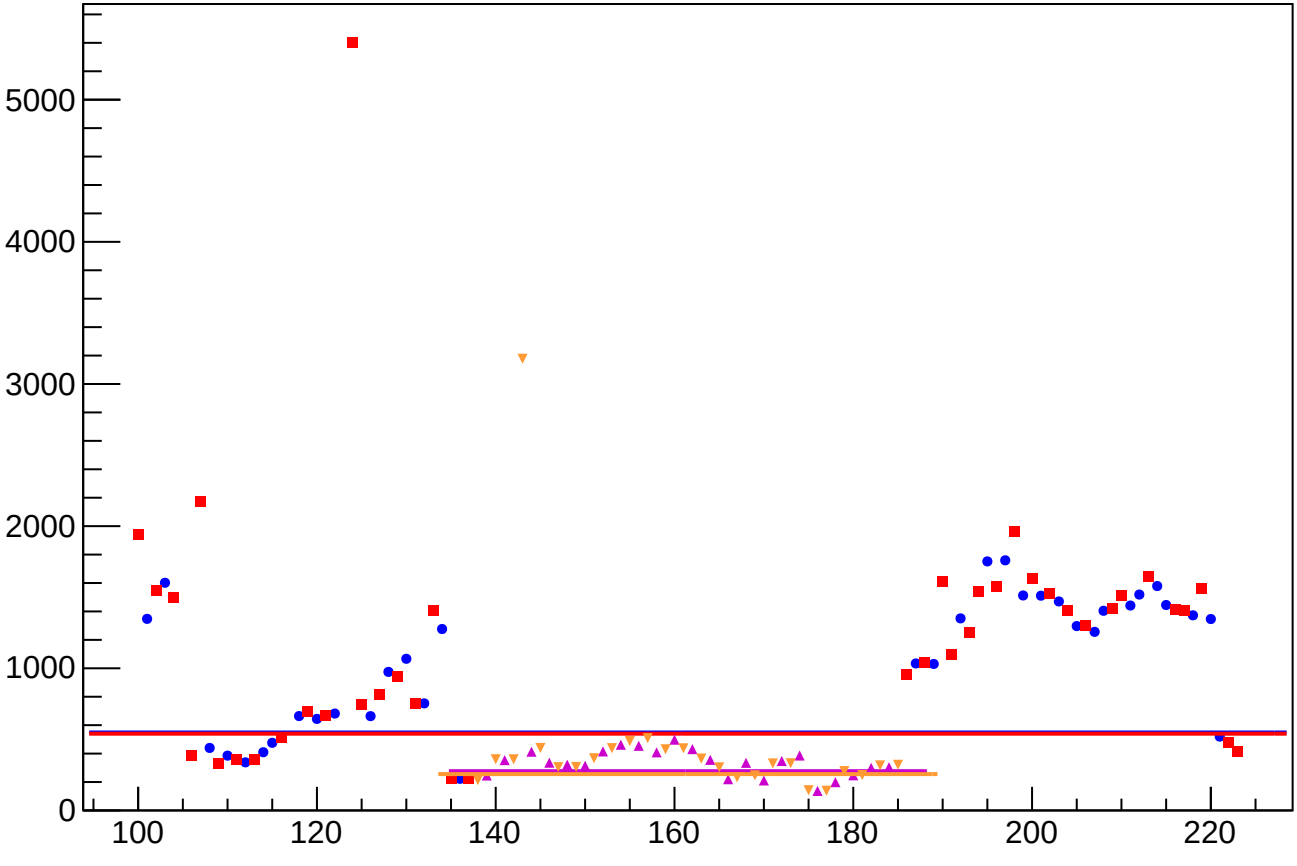
Right: -95.737+/-103.624 χ^2/NDF: 88.9/72

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -107.590+/-58.554 χ^2/NDF:87.4/63

All: -43.940+/-42.746 χ^2/NDF: 159.7/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

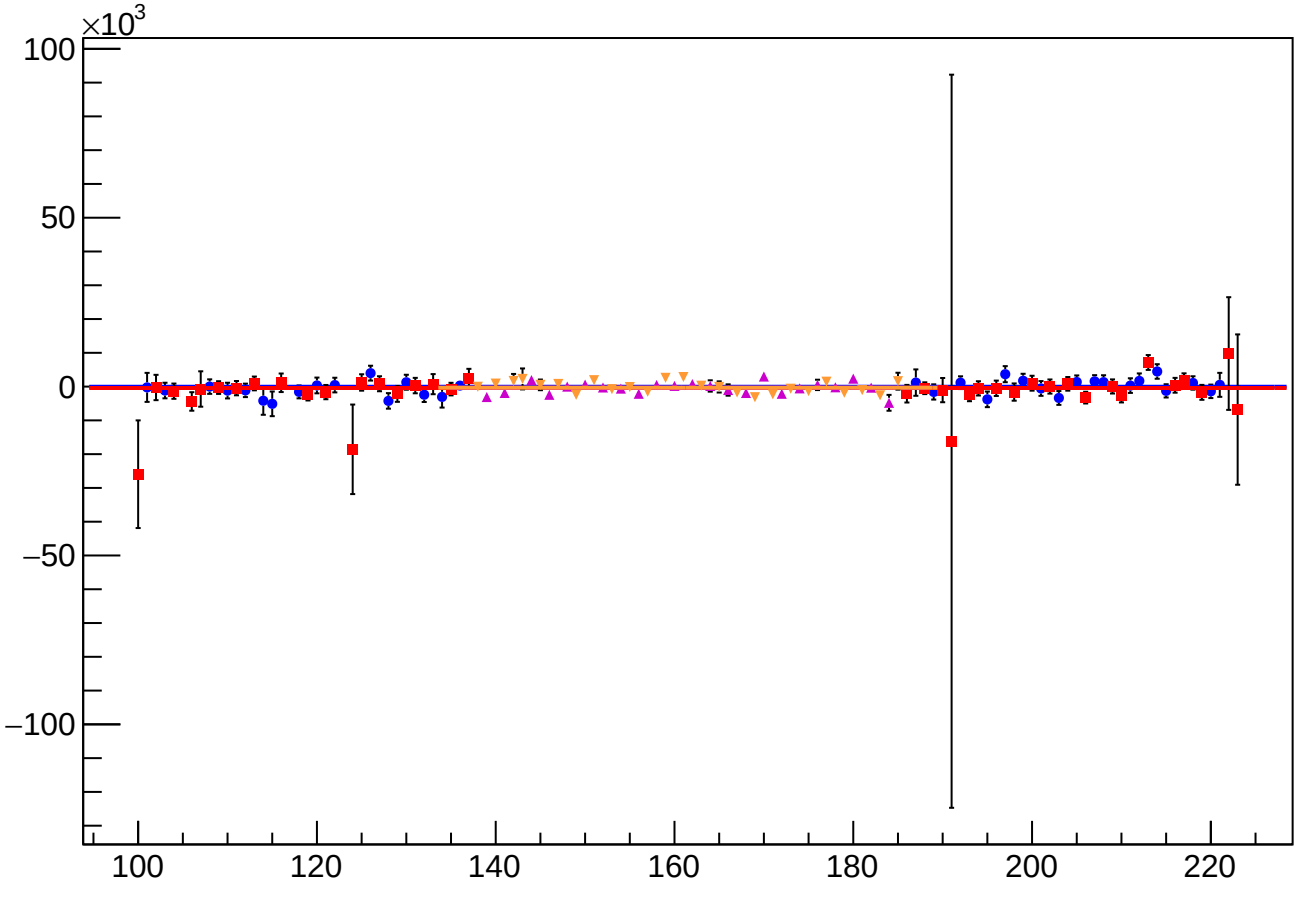
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 544.067+/-0.073 χ^2/NDF: 33880132.7/72

In: 323.779+/-0.044 χ^2/NDF:26170289.7/56

Out: 303.073+/-0.041 χ^2/NDF:30099734.7/63

All: 312.744+/-0.030 χ^2/NDF: 56386836.6/12



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

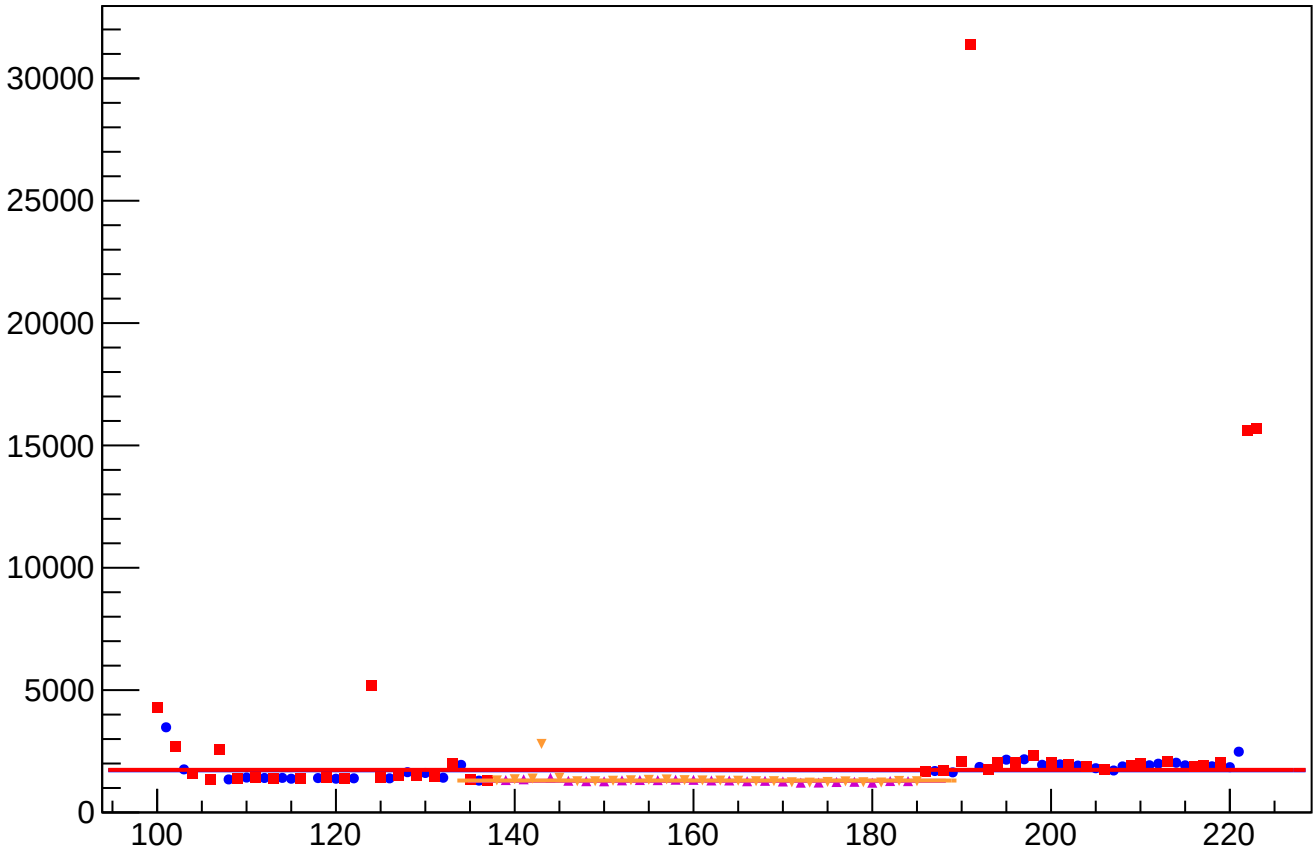
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -227.774+/-269.002 χ^2/NDF: 63.0/72

In: -236.106+/-235.803 χ^2/NDF:61.1/56

Out: -354.944+/-235.397 χ^2/NDF:63.1/63

All: -295.627+/-166.594 χ^2/NDF: 124.3/120



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

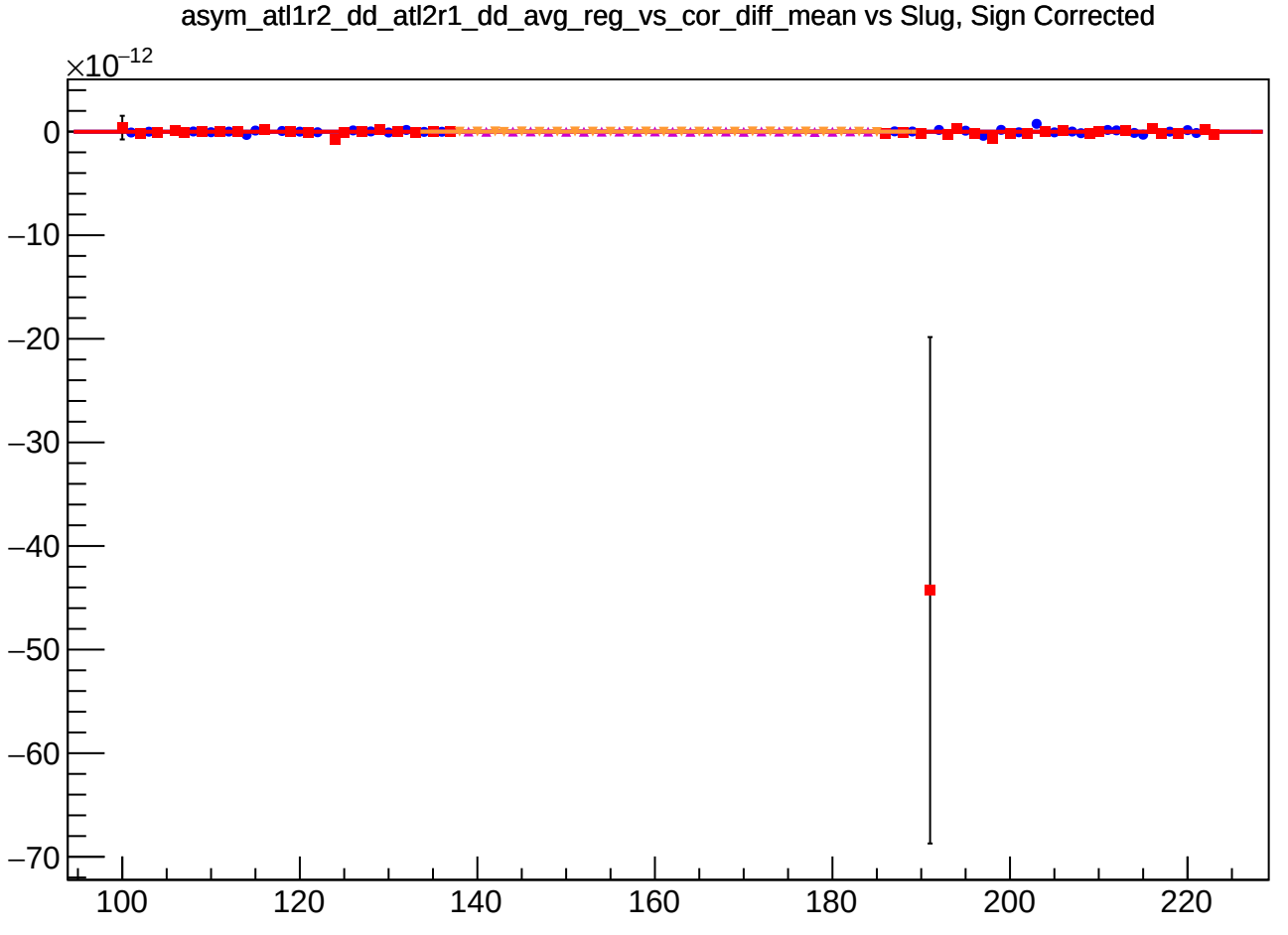
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1731.445+/-0.190 χ^2/NDF: 5146699.9/72

In: 1459.811+/-0.167 χ^2/NDF:3030274.5/56

Out: 1468.923+/-0.166 χ^2/NDF:5882416.5/63

All: 1464.375+/-0.118 χ^2/NDF: 8914186.7/12



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.4/38

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

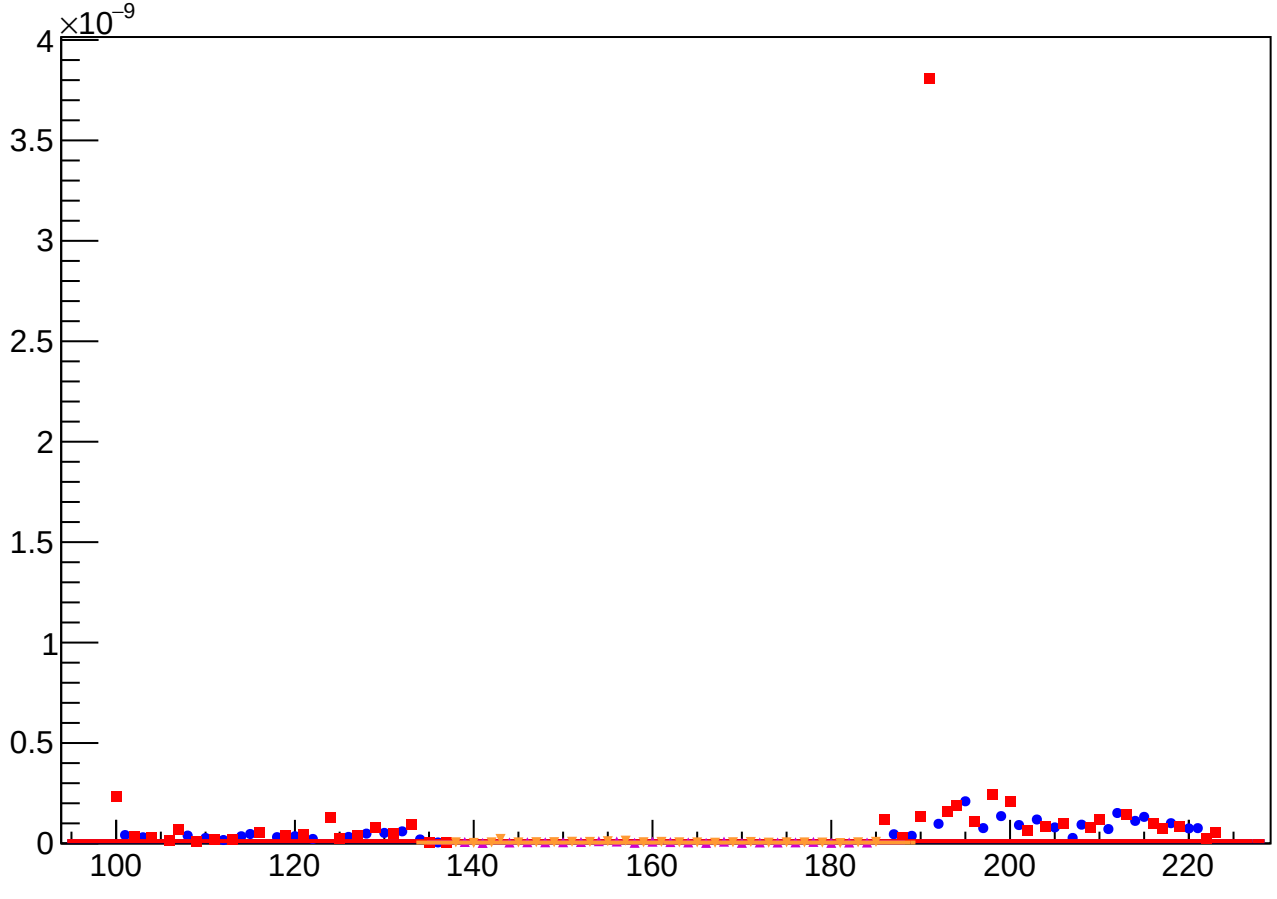
Right: -0.000+/-0.000 χ^2/NDF: 87.6/72

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: -0.000+/-0.000 χ^2/NDF:78.3/63

All: -0.000+/-0.000 χ^2/NDF: 146.4/120

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

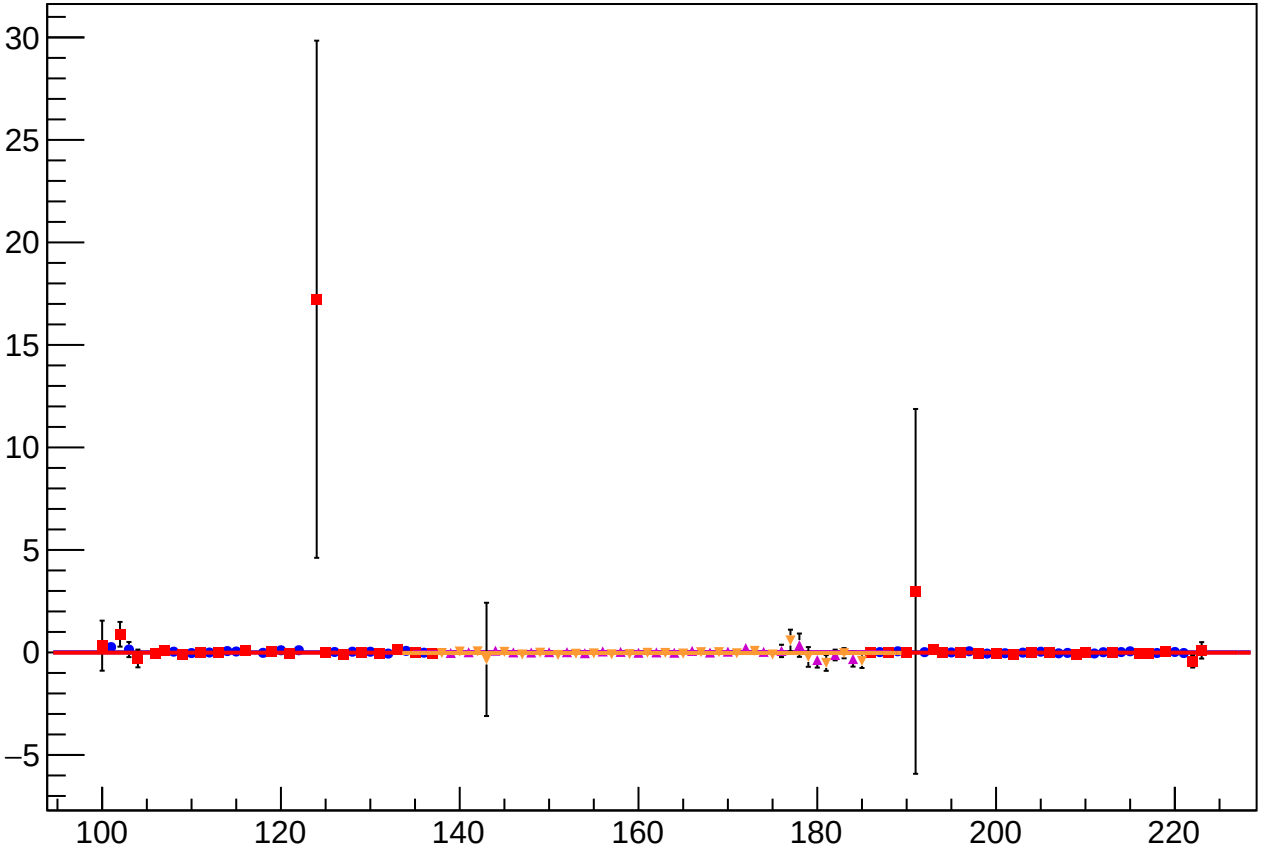
Right: 0.000+/-0.000 χ^2/NDF: 24396359.5/72

In: 0.000+/-0.000 χ^2/NDF:14894856.6/56

Out: 0.000+/-0.000 χ^2/NDF:17150477.1/63

All: 0.000+/-0.000 χ^2/NDF: 32076571.3/120

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

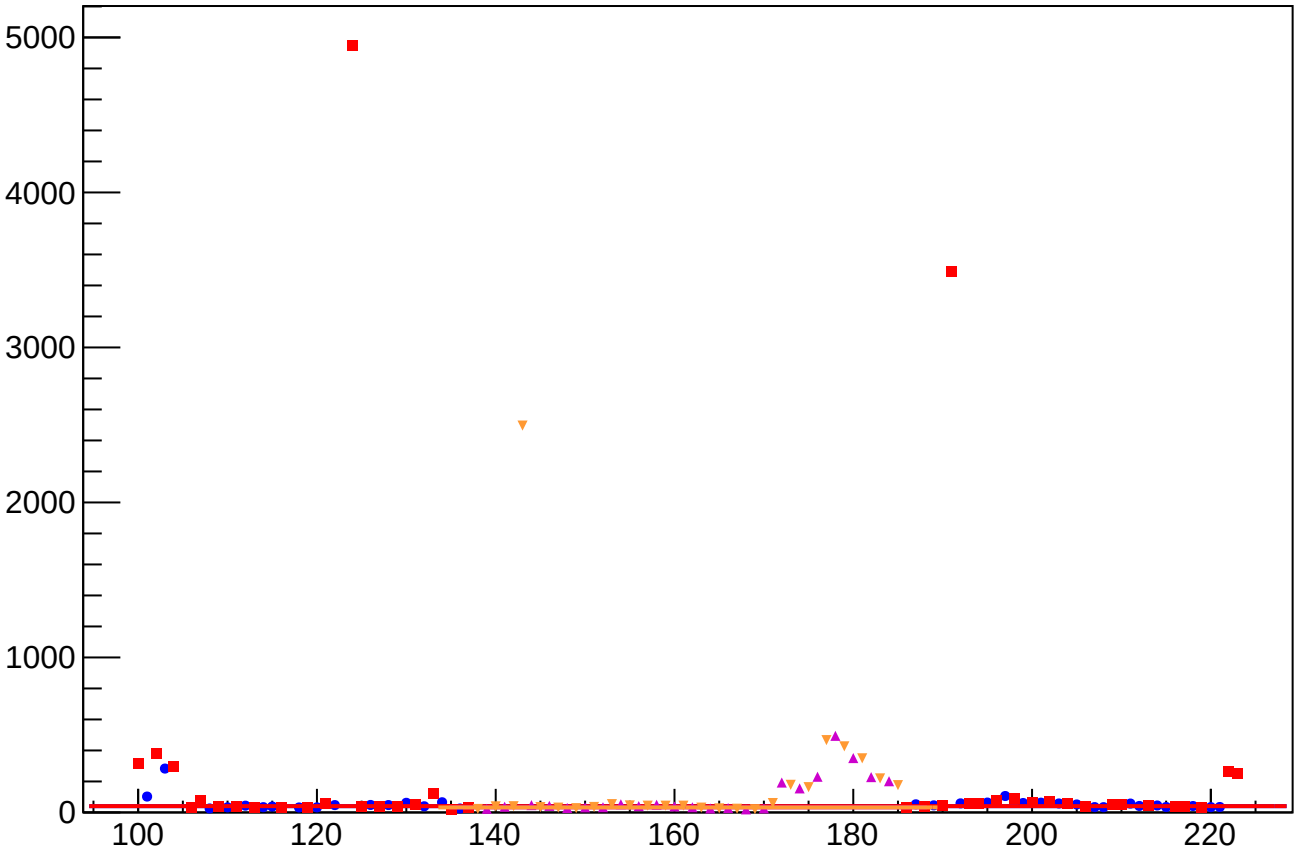
Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

Right: -0.001+/-0.007 χ^2/NDF: 54.2/72

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.7/63

All: -0.005+/-0.005 χ^2/NDF: 104.3/120



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

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

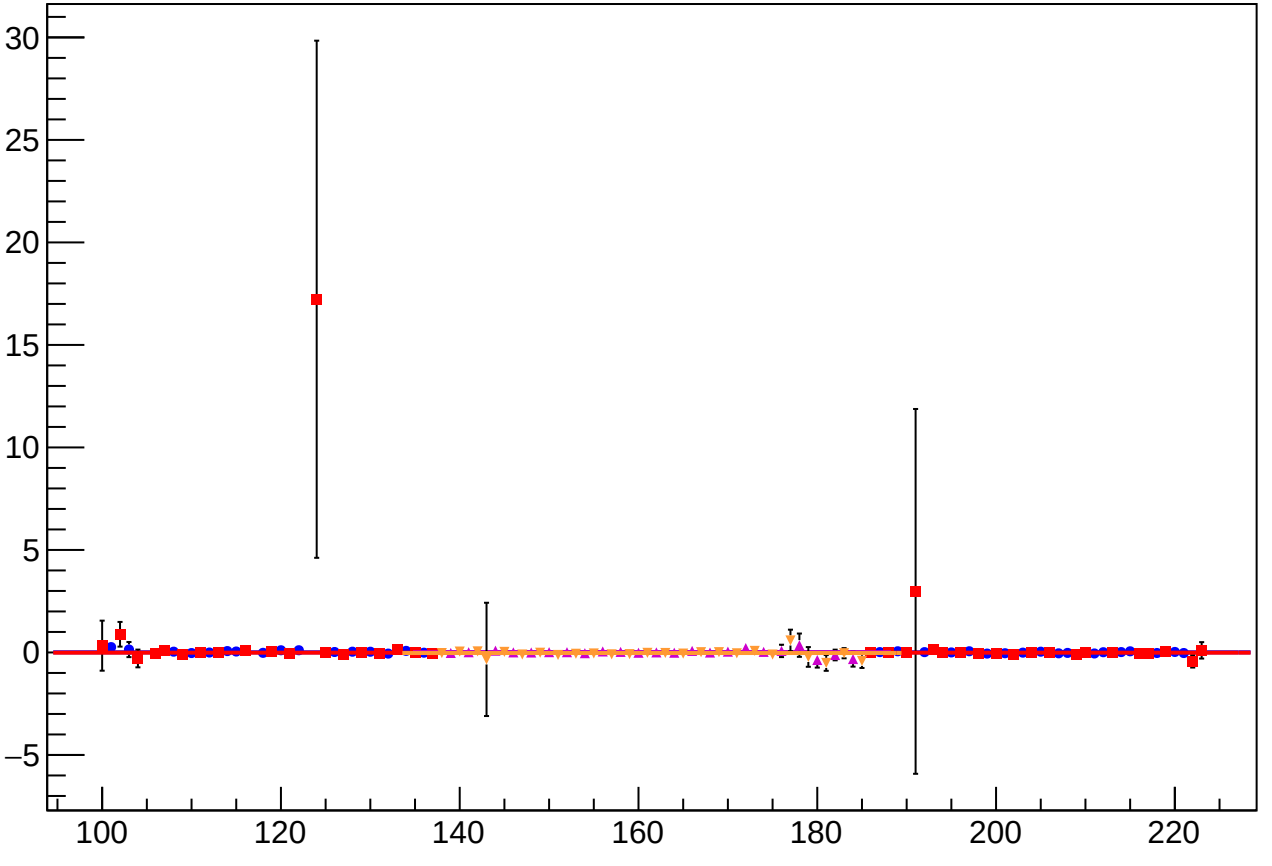
Right: 40.686+/-0.005 χ^2/NDF: 11679570.8/72

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.450+/-0.005 χ^2/NDF:18865306.4/63

All: 36.483+/-0.003 χ^2/NDF: 32880679.2/120

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

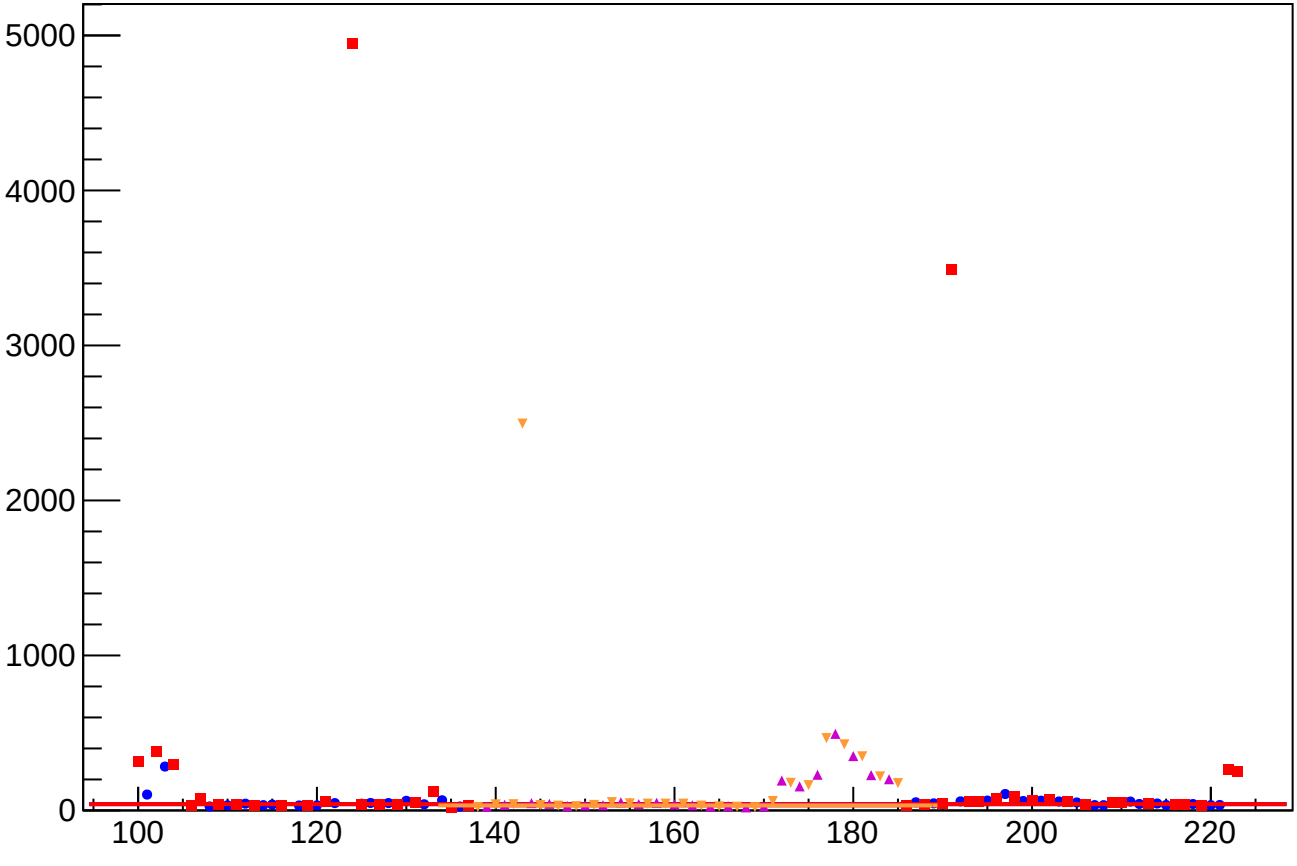
Right: -0.001+/-0.007 χ^2/NDF: 54.2/72

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.7/63

All: -0.005+/-0.005 χ^2/NDF: 104.3/120

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

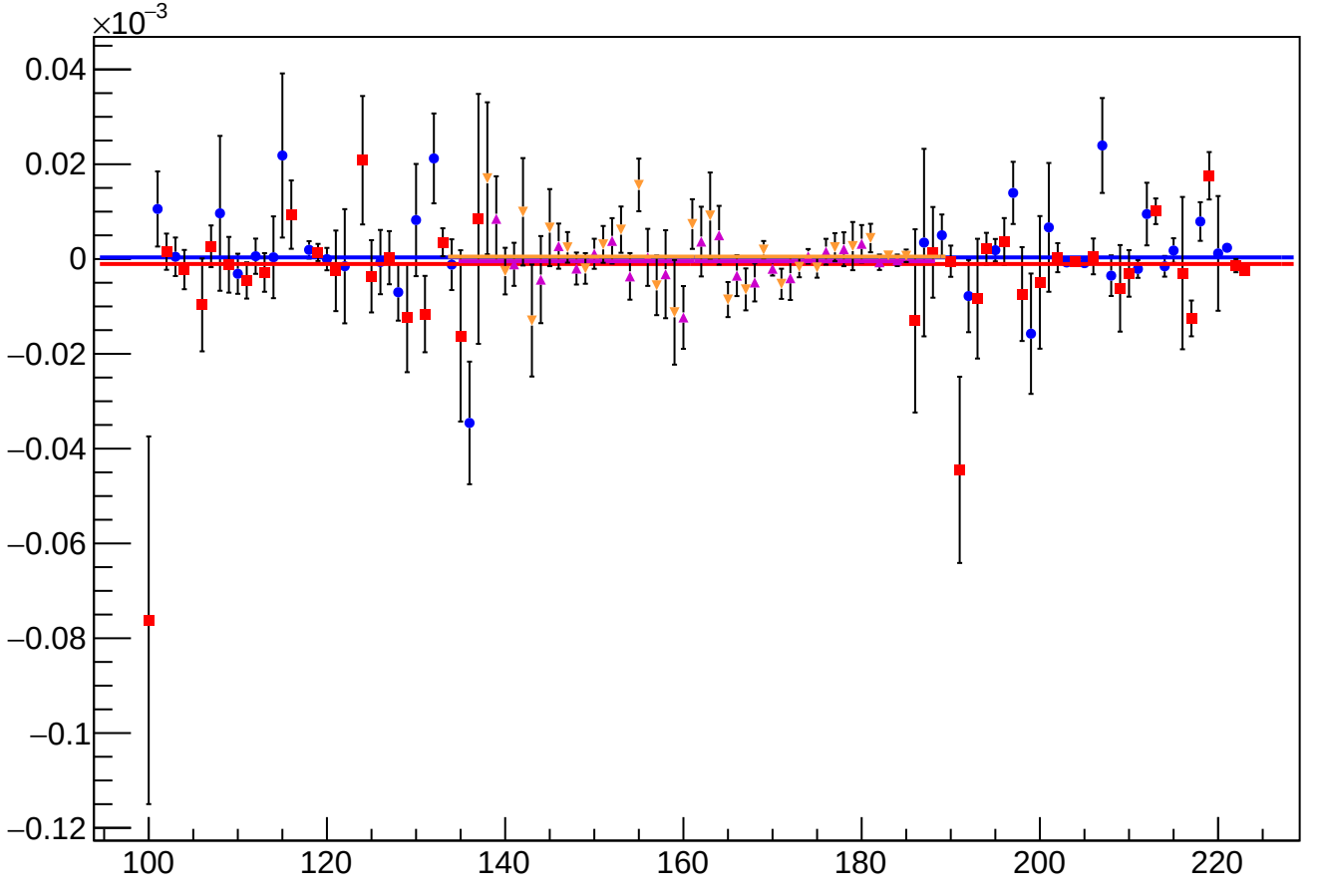
Right: 40.686+/-0.005 χ^2/NDF: 11679570.8/72

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.450+/-0.005 χ^2/NDF:18865306.4/63

All: 36.483+/-0.003 χ^2/NDF: 32880679.2/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

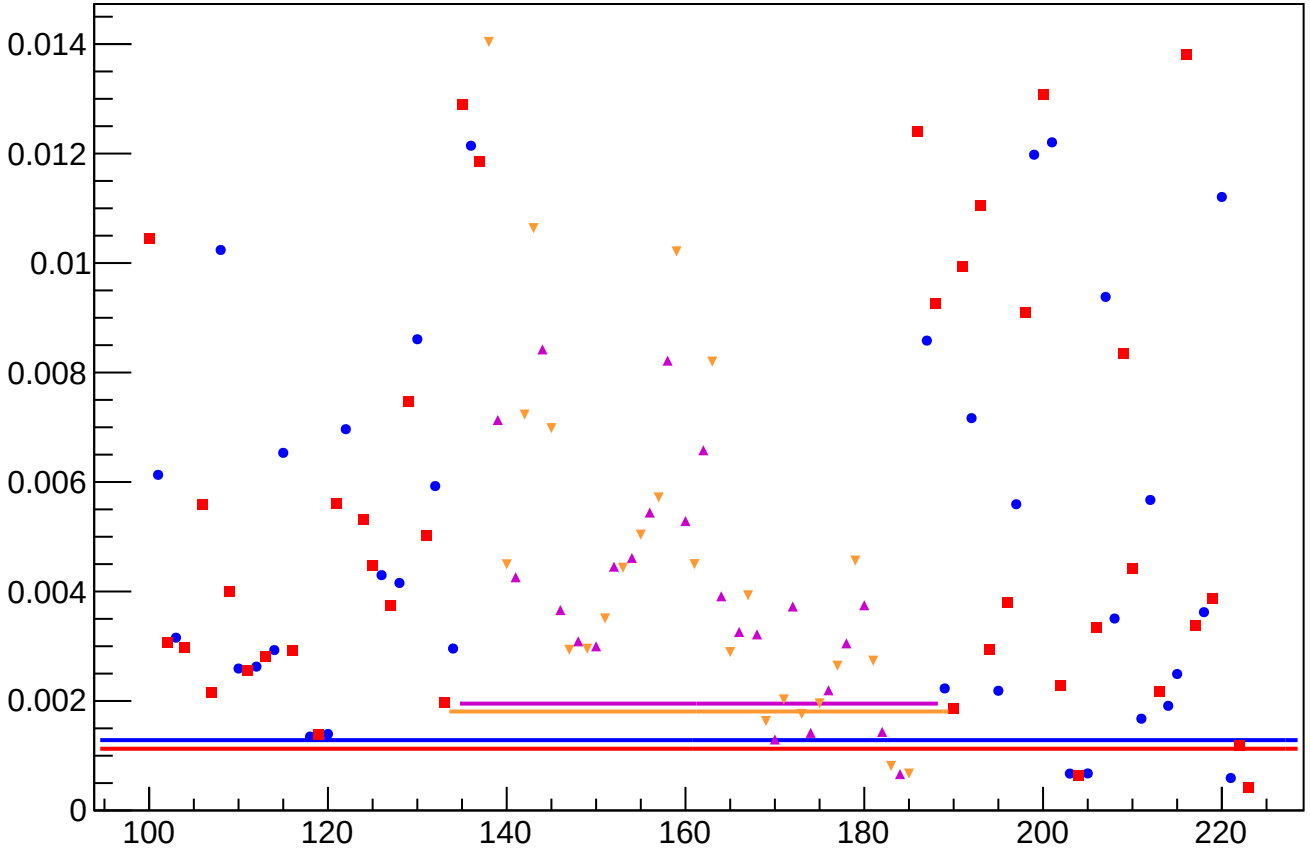
Right: -0.000+/-0.000 χ^2/NDF: 130.7/72

In: 0.000+/-0.000 χ^2/NDF:65.4/56

Out: -0.000+/-0.000 χ^2/NDF:115.3/63

All: -0.000+/-0.000 χ^2/NDF: 182.4/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

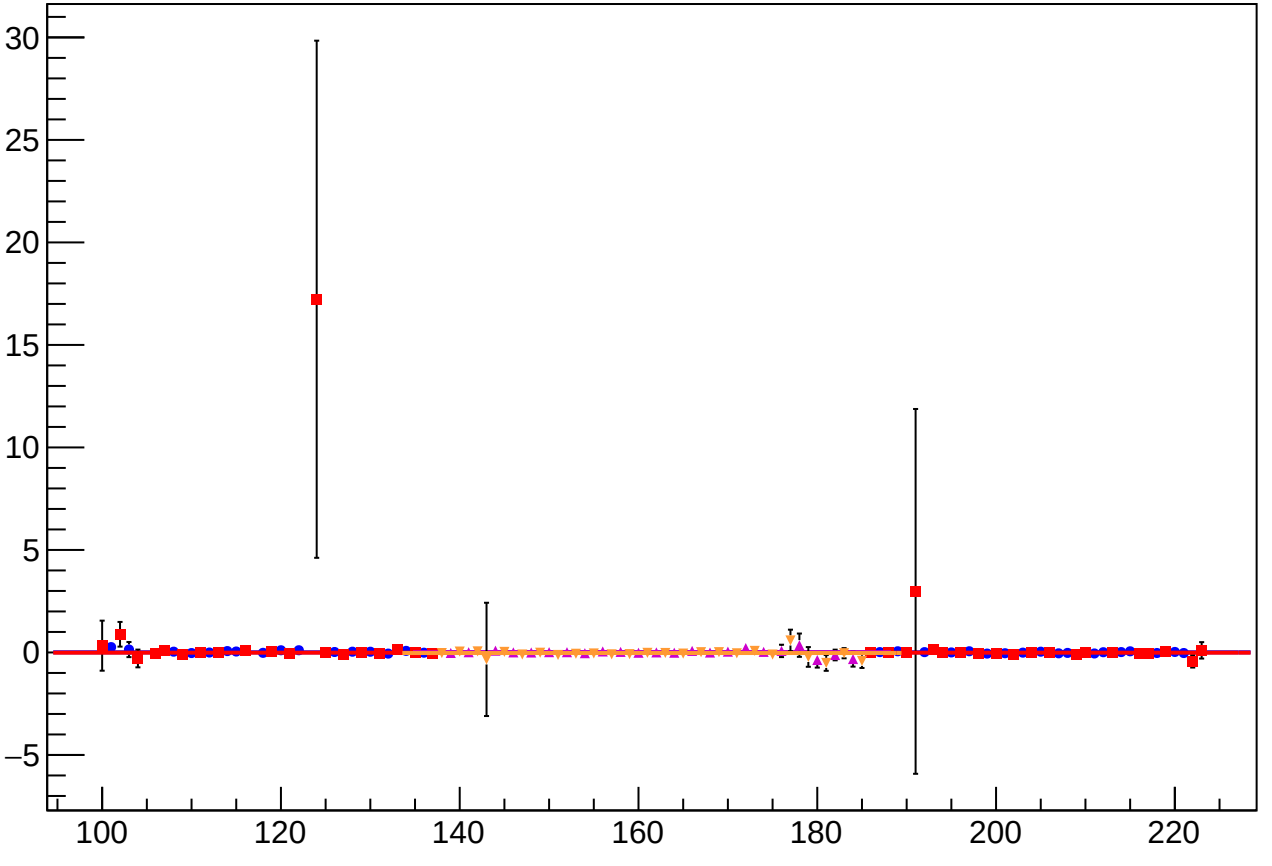
Right: 0.001+/-0.000 χ^2/NDF: 44945252.4/72

In: 0.002+/-0.000 χ^2/NDF:33673137.3/56

Out: 0.001+/-0.000 χ^2/NDF:41313859.7/63

All: 0.001+/-0.000 χ^2/NDF: 75223275.3/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

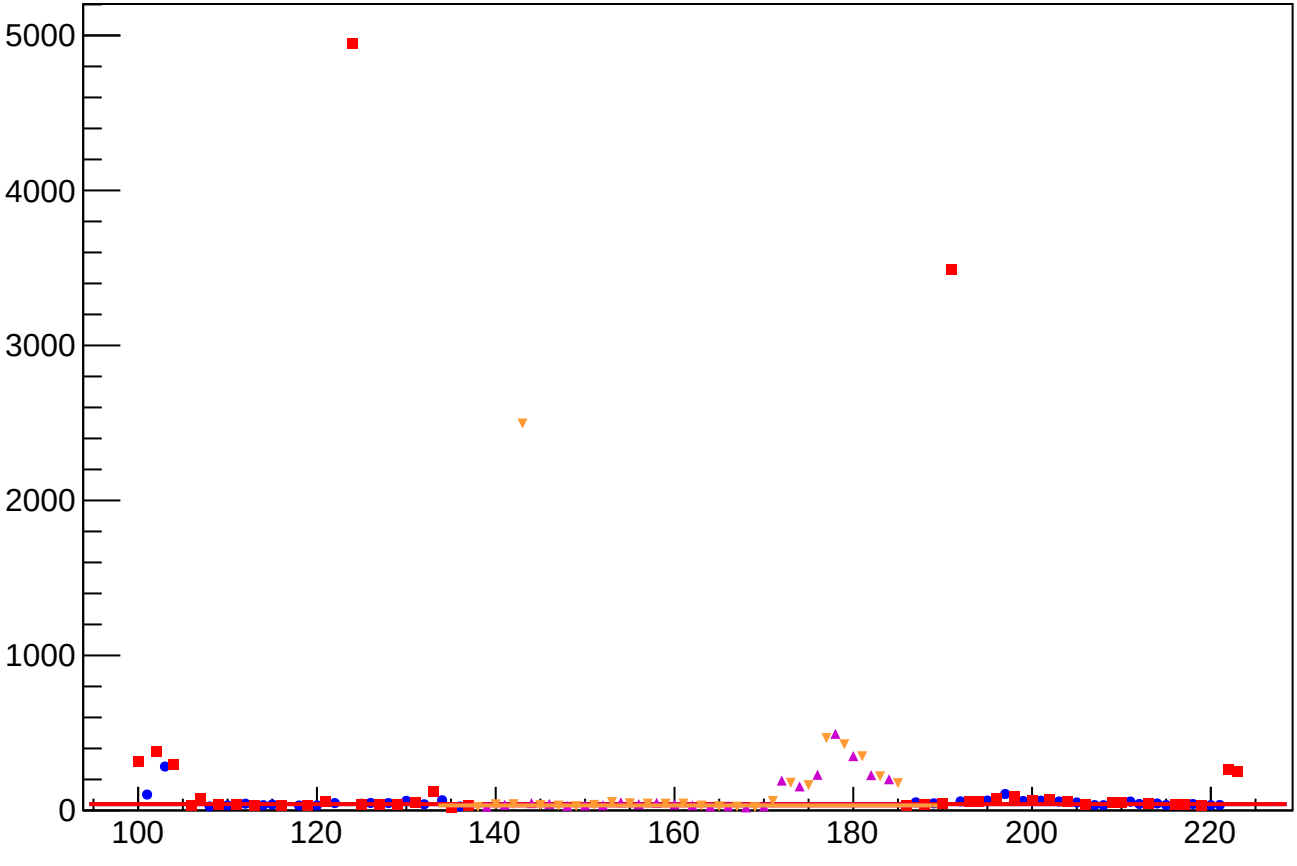
Right: -0.001+/-0.007 χ^2/NDF: 54.2/72

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.7/63

All: -0.005+/-0.005 χ^2/NDF: 104.3/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

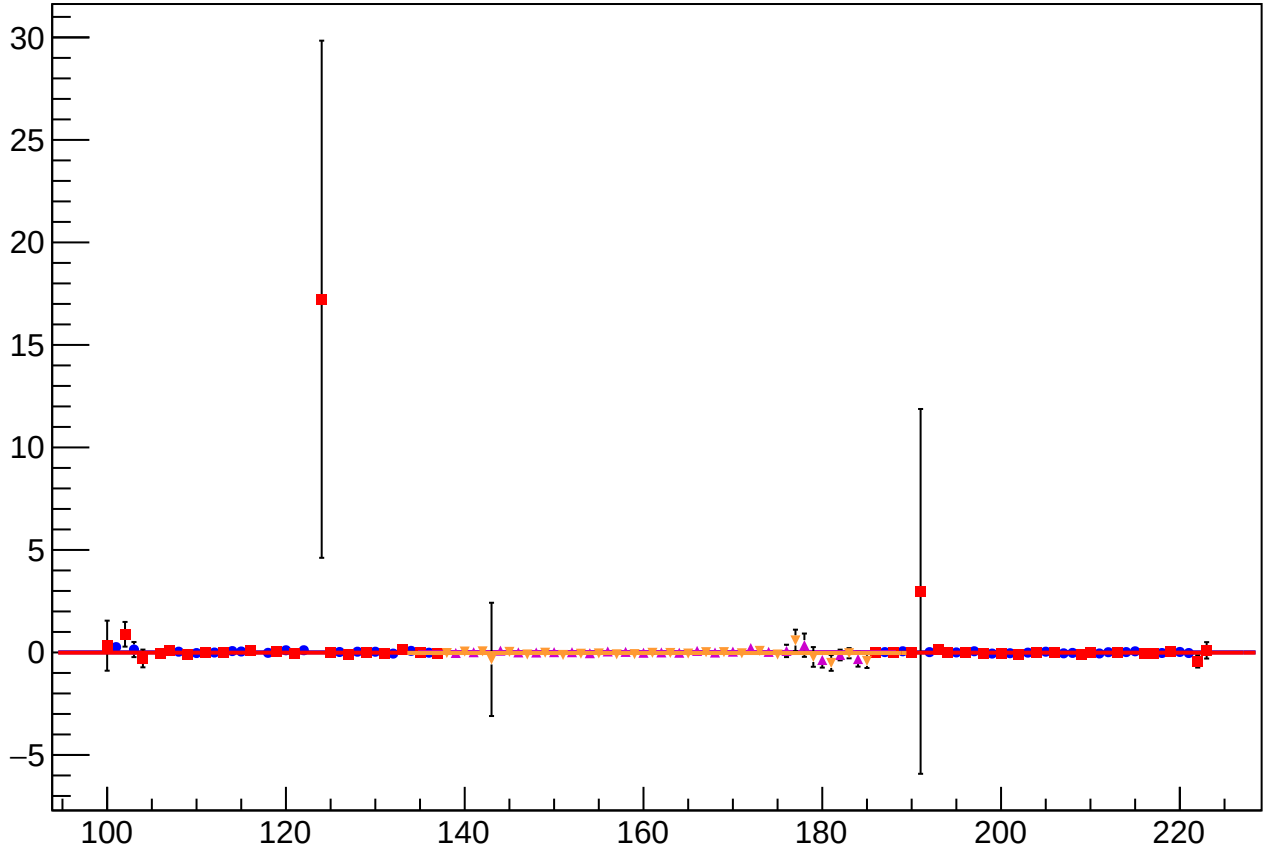
Right: 40.686+/-0.005 χ^2/NDF: 11678941.6/72

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.450+/-0.005 χ^2/NDF:18865377.4/63

All: 36.483+/-0.003 χ^2/NDF: 32881269.2/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

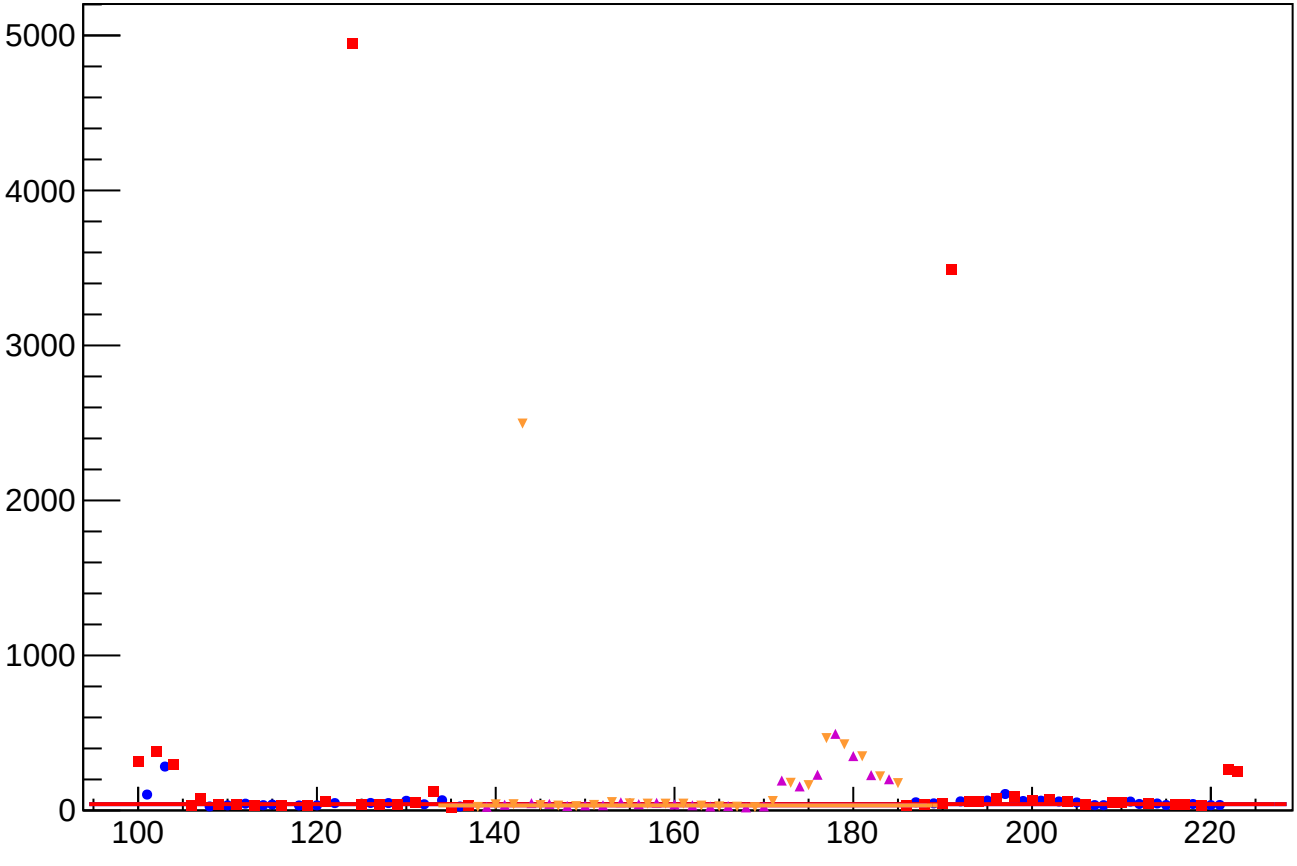
Right: -0.001+/-0.007 χ^2/NDF: 54.2/72

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.020+/-0.007 χ^2/NDF:62.7/63

All: -0.005+/-0.005 χ^2/NDF: 104.3/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

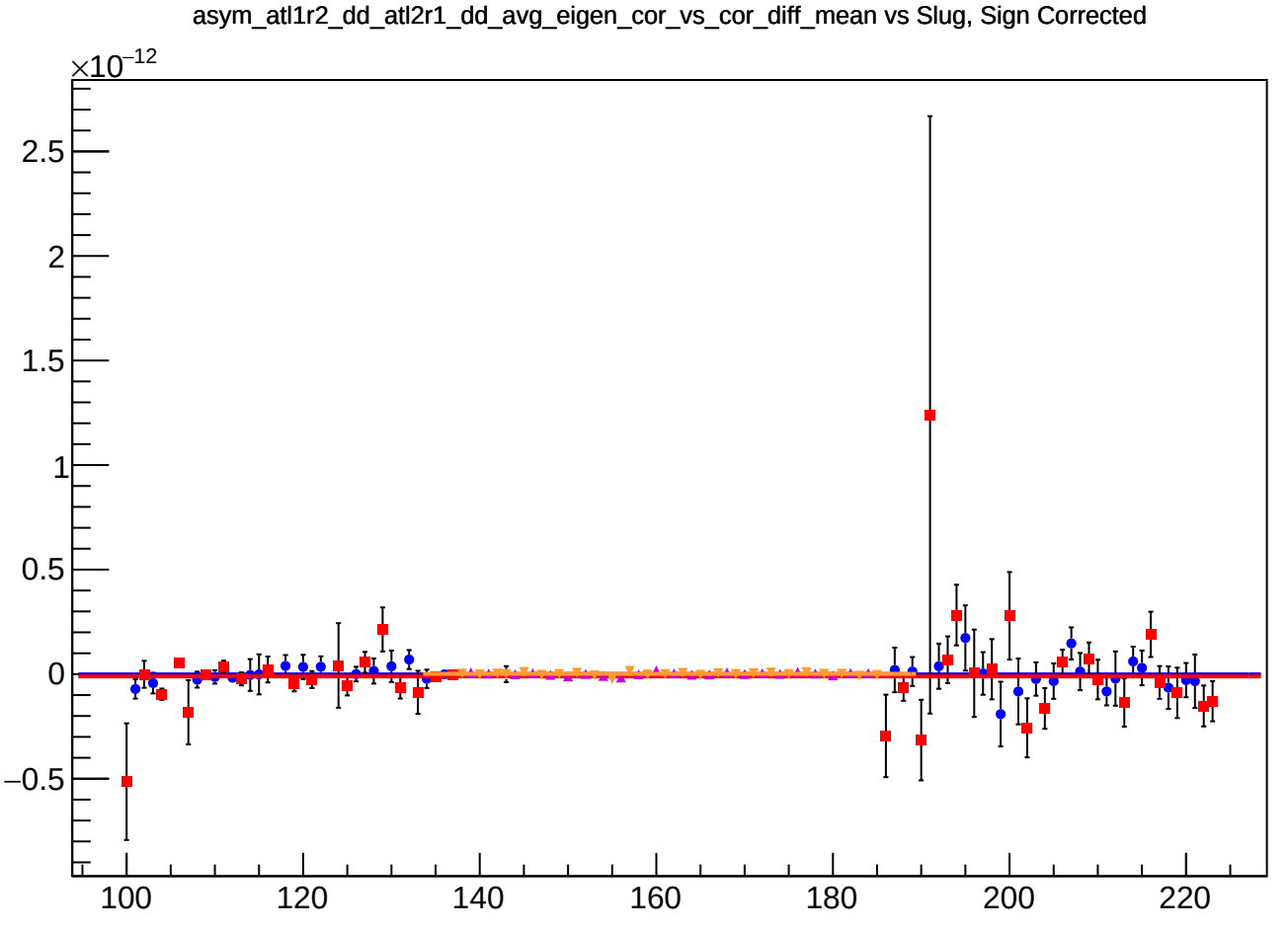
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.686+/-0.005 χ^2/NDF: 11678941.6/72

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.450+/-0.005 χ^2/NDF:18865377.4/63

All: 36.483+/-0.003 χ^2/NDF: 32881269.2/120



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

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

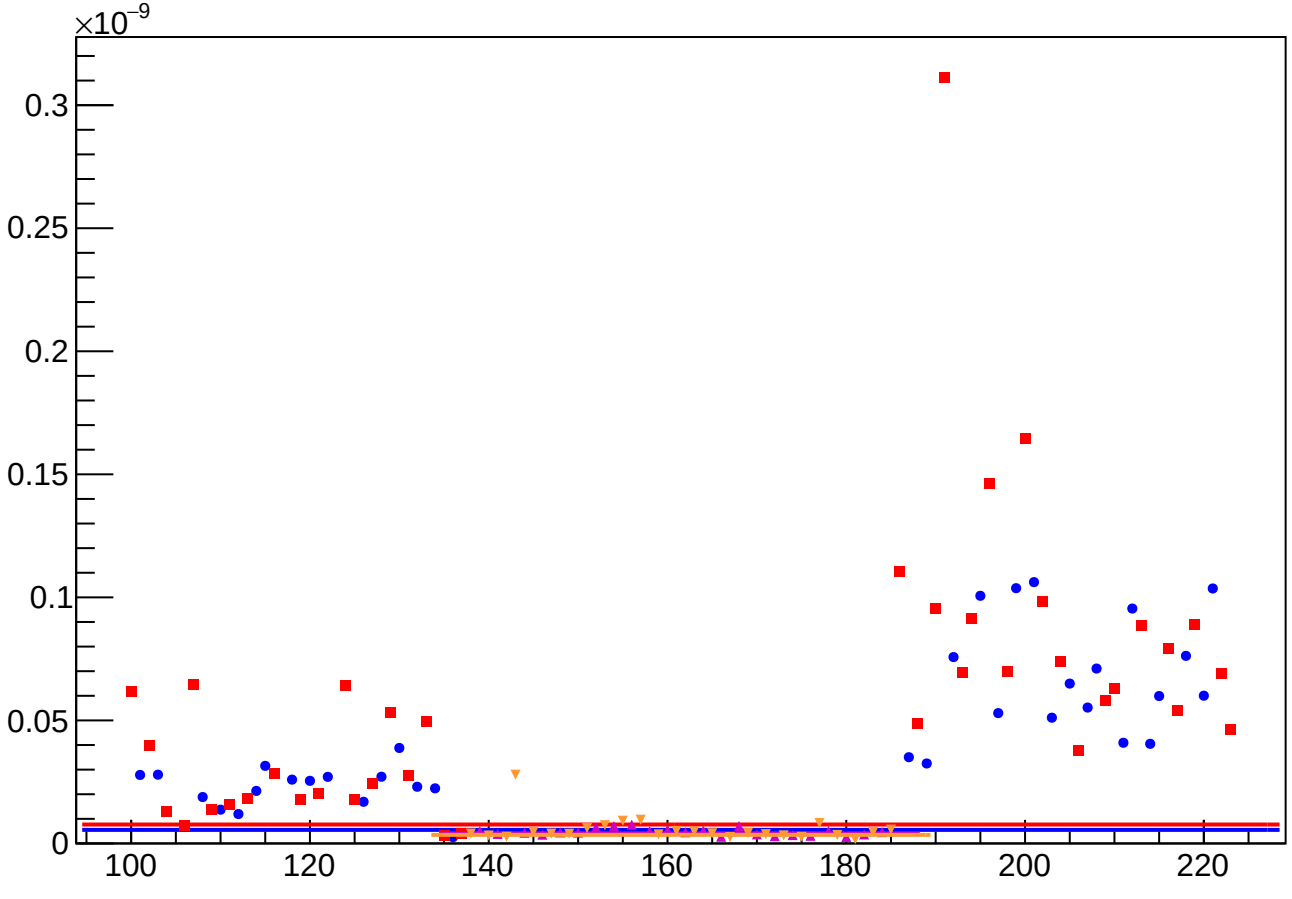
Right: -0.000+/-0.000 χ^2/NDF: 91.2/72

In: 0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:95.5/63

All: 0.000+/-0.000 χ^2/NDF: 143.5/120

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

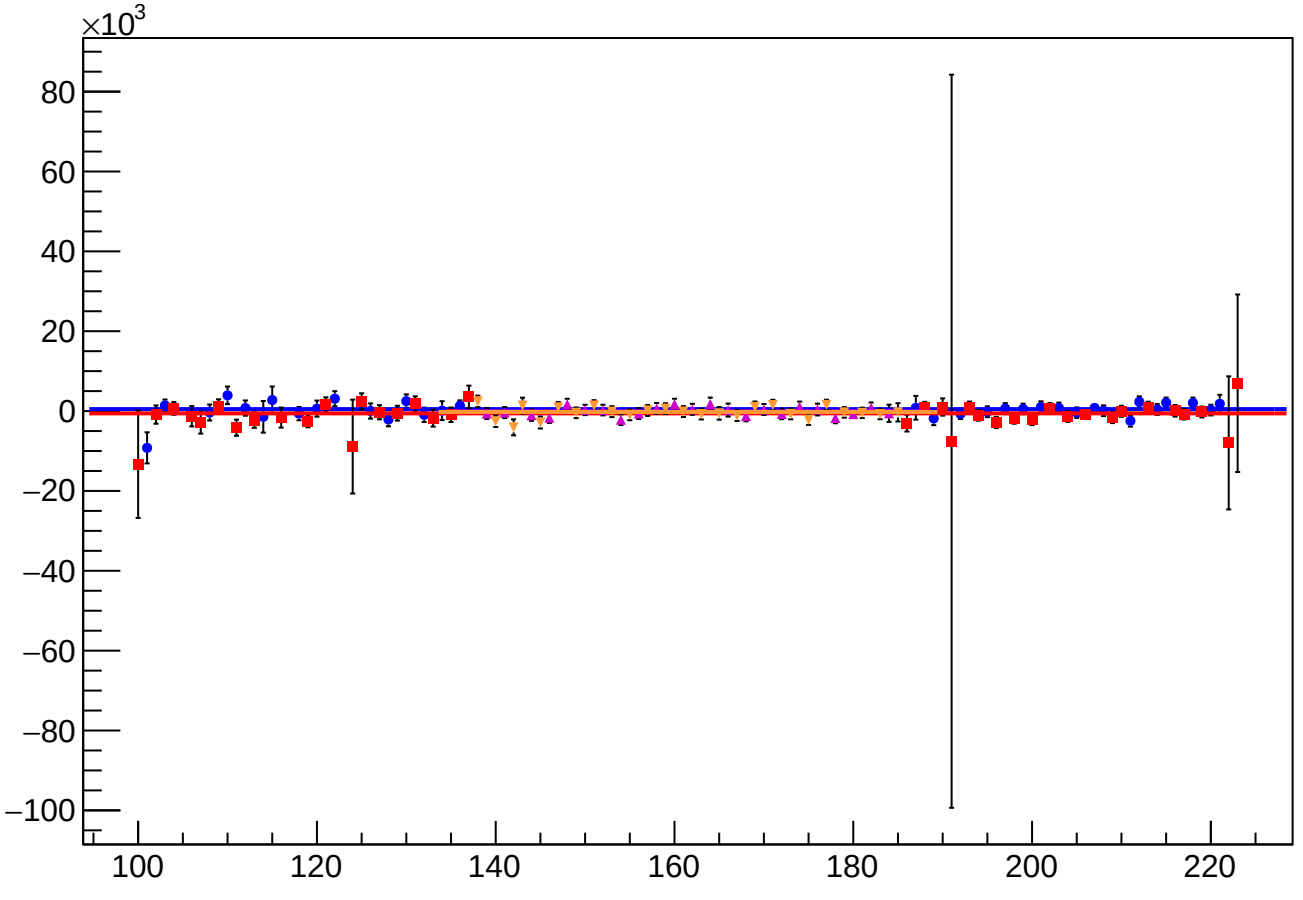
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 38309647.2/72

In: 0.000+/-0.000 χ^2/NDF:21388607.1/56

Out: 0.000+/-0.000 χ^2/NDF:25679348.0/63

All: 0.000+/-0.000 χ^2/NDF: 47197722.0/120



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

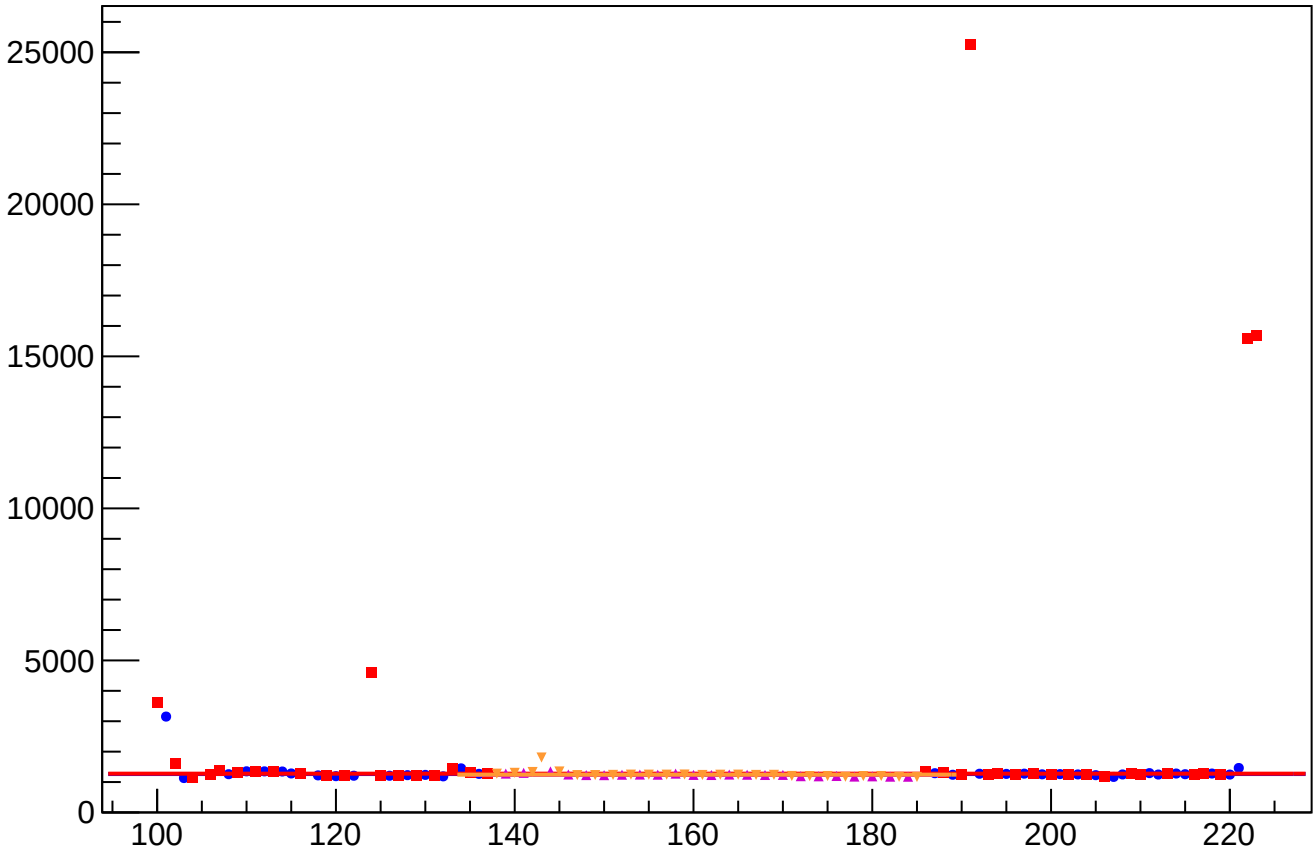
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -36.090+/-195.127 χ^2/NDF: 67.6/72

In: 214.755+/-198.727 χ^2/NDF:46.8/56

Out: -402.669+/-198.175 χ^2/NDF:54.8/63

All: -94.816+/-140.326 χ^2/NDF: 106.5/120



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

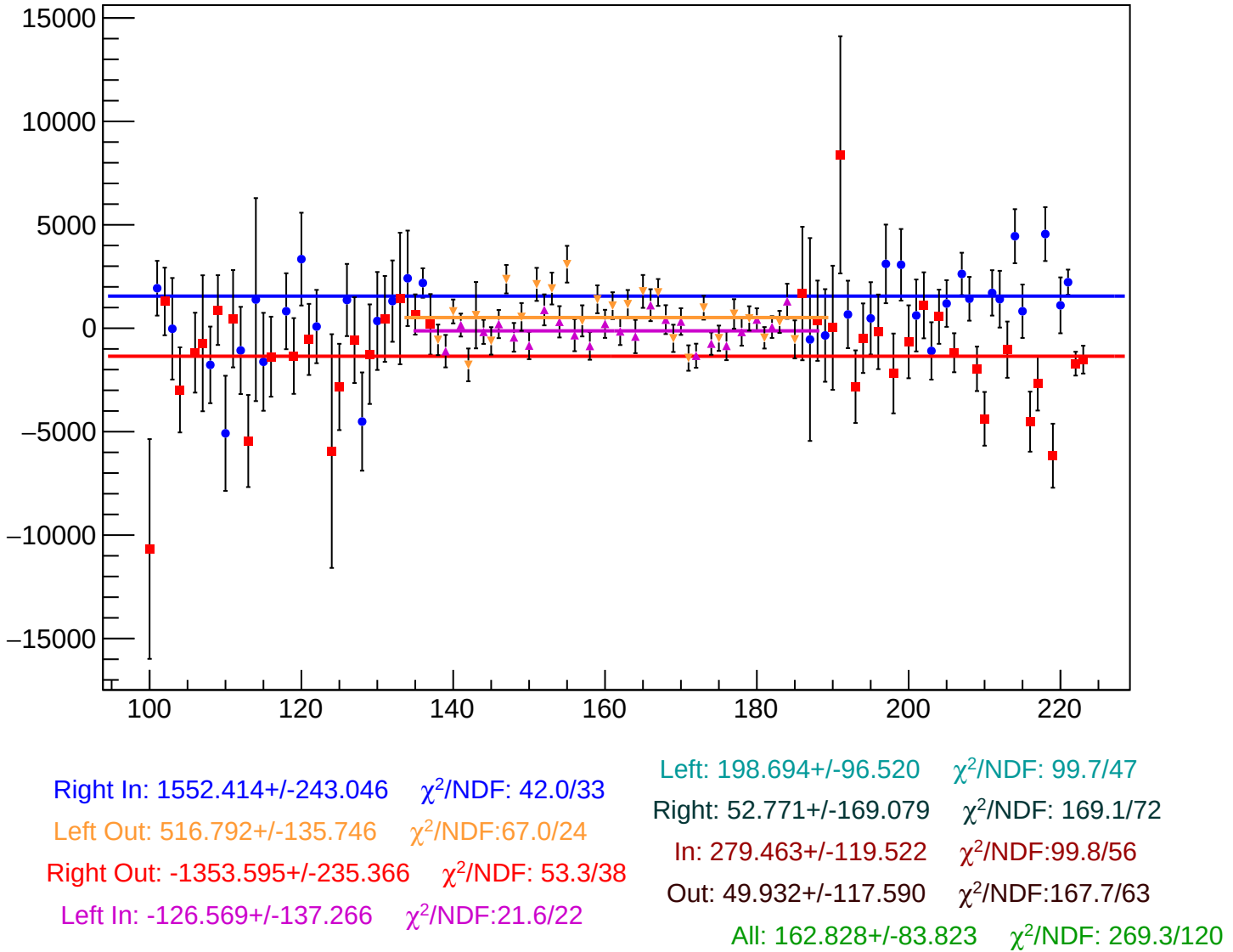
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1269.382+/-0.138 χ^2/NDF: 3358648.1/72

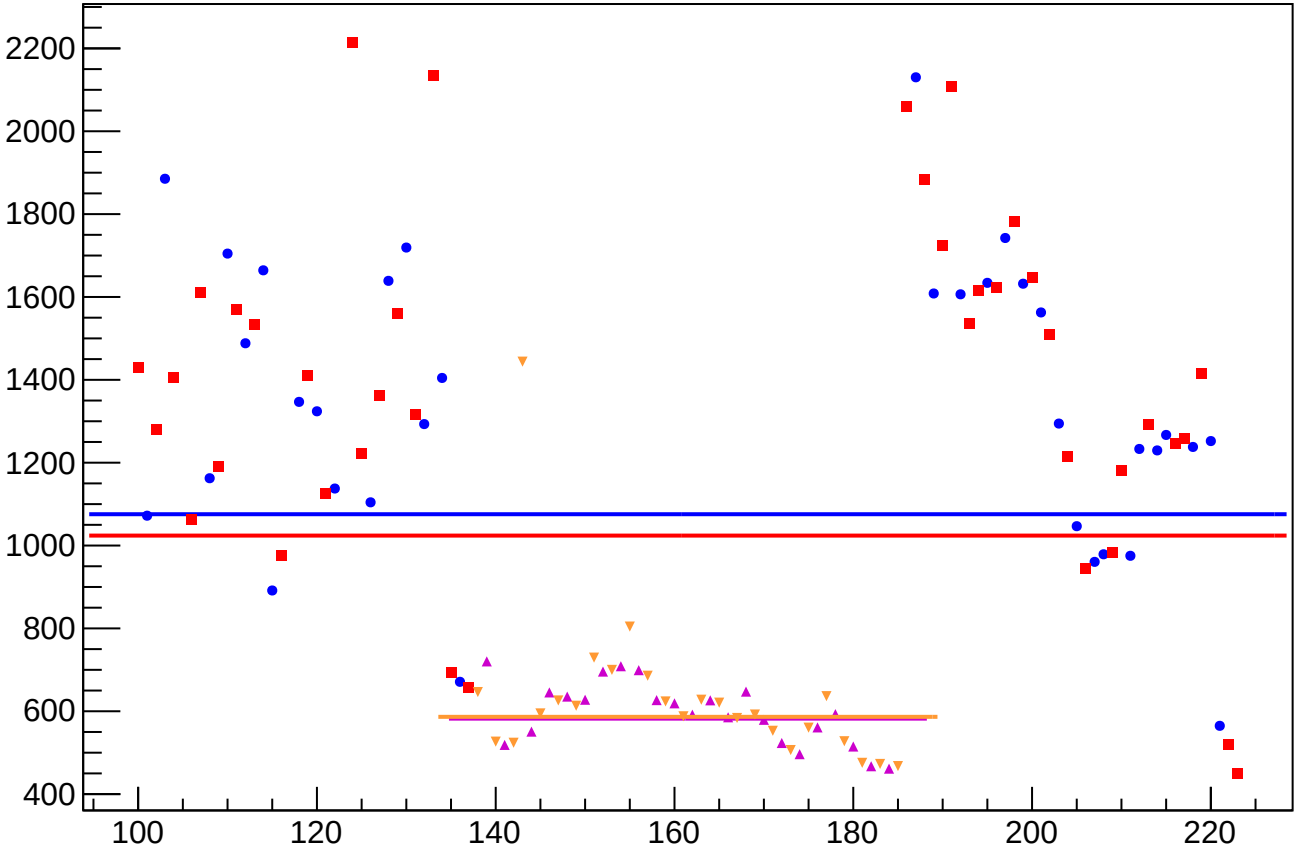
In: 1249.172+/-0.141 χ^2/NDF:602233.4/56

Out: 1259.617+/-0.140 χ^2/NDF:3021624.8/63

All: 1254.409+/-0.099 χ^2/NDF: 3626628.8/12


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1552.414+/-243.046 χ²/NDF: 42.0/33
Left Out: 516.792+/-135.746 χ²/NDF:67.0/24
Right Out: -1353.595+/-235.366 χ²/NDF: 53.3/38
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 52.771+/-169.079 χ²/NDF: 169.1/72
In: 279.463+/-119.522 χ²/NDF:99.8/56
Out: 49.932+/-117.590 χ²/NDF:167.7/63
All: 162.828+/-83.823 χ²/NDF: 269.3/120

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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

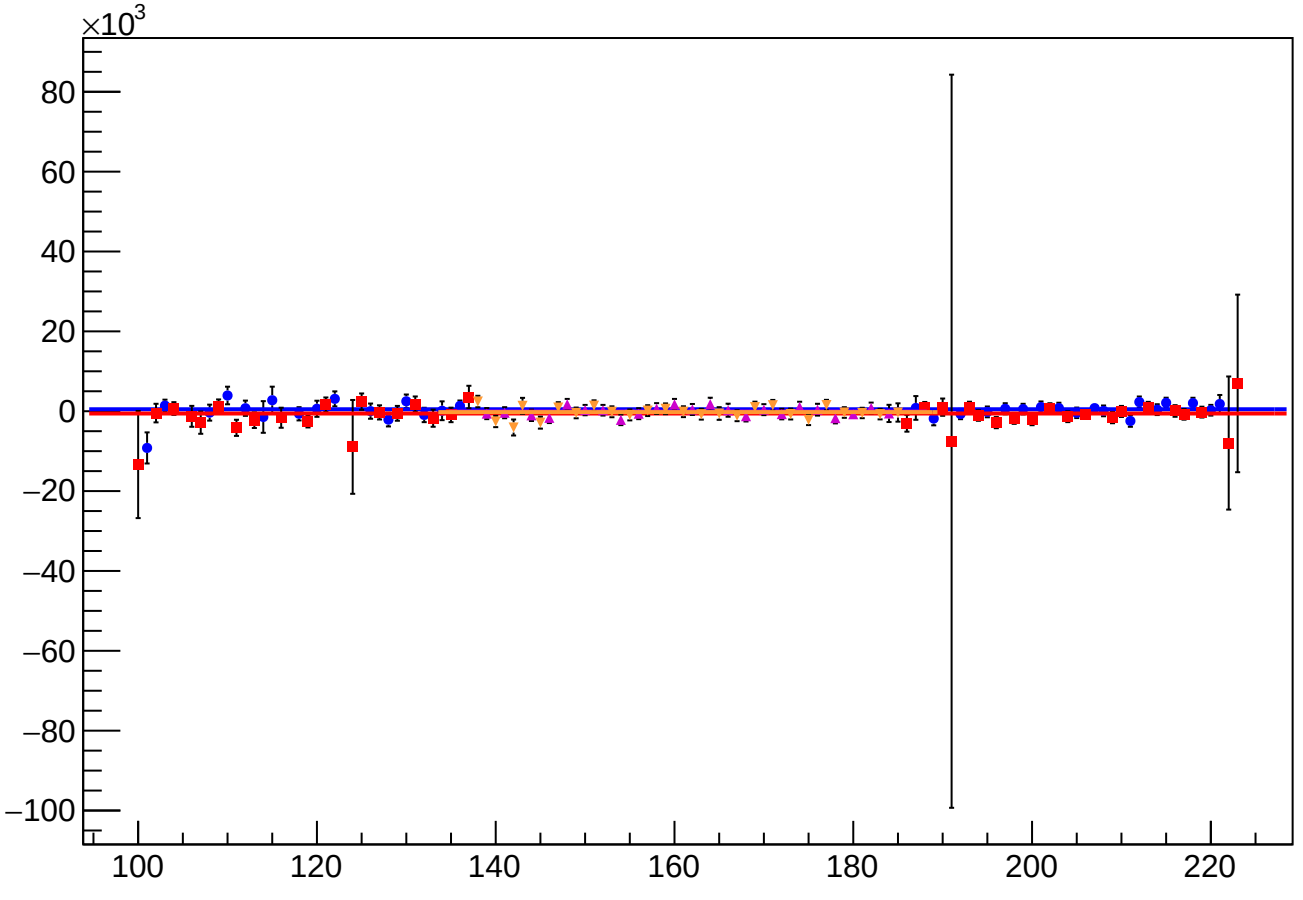
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1049.001+/-0.120 χ^2/NDF: 11421881.6/72

In: 701.518+/-0.085 χ^2/NDF:11201124.2/56

Out: 695.755+/-0.083 χ^2/NDF:13371223.0/63

All: 698.589+/-0.059 χ^2/NDF: 24574710.0/12



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

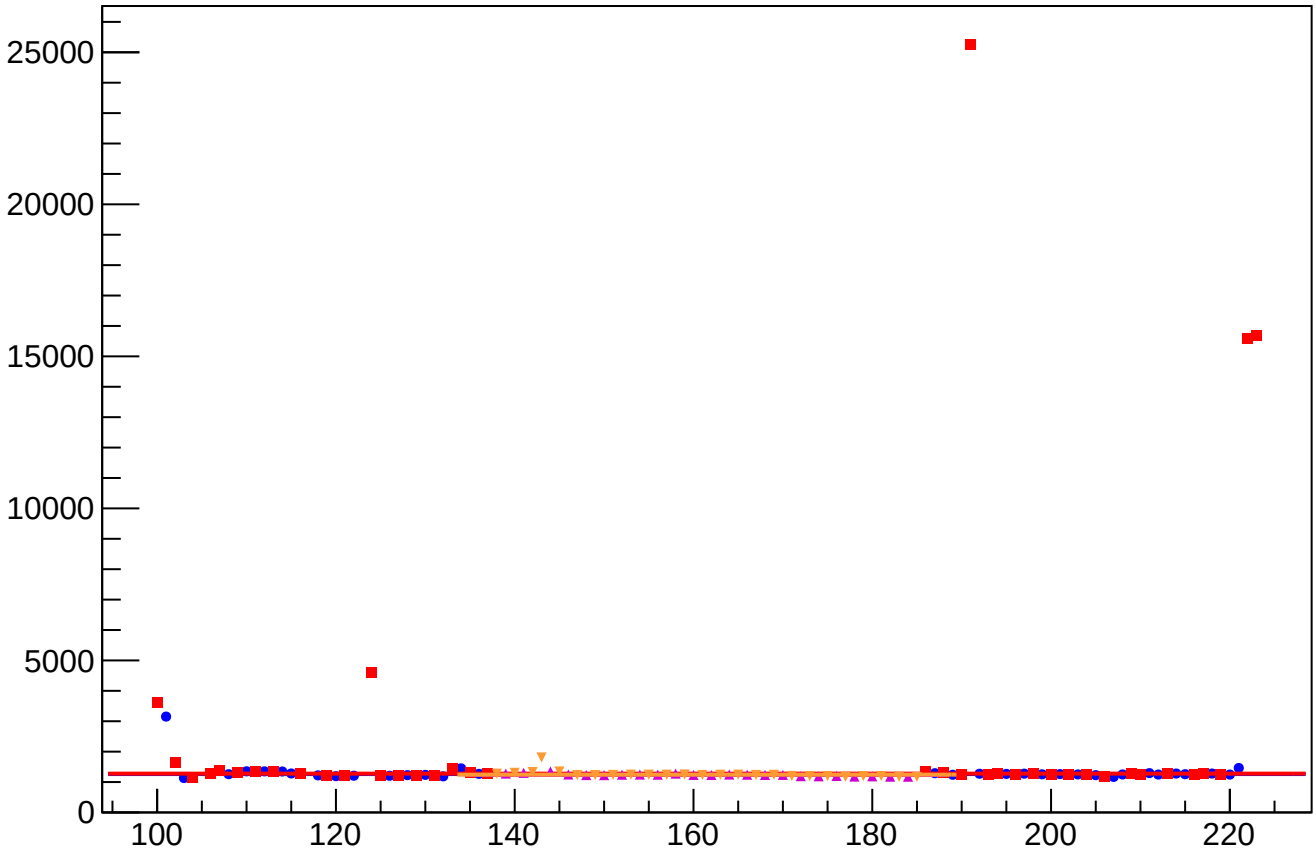
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -32.358+/-195.182 χ^2/NDF: 67.5/72

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -399.139+/-198.232 χ^2/NDF:54.8/63

All: -92.928+/-140.346 χ^2/NDF: 106.4/120



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

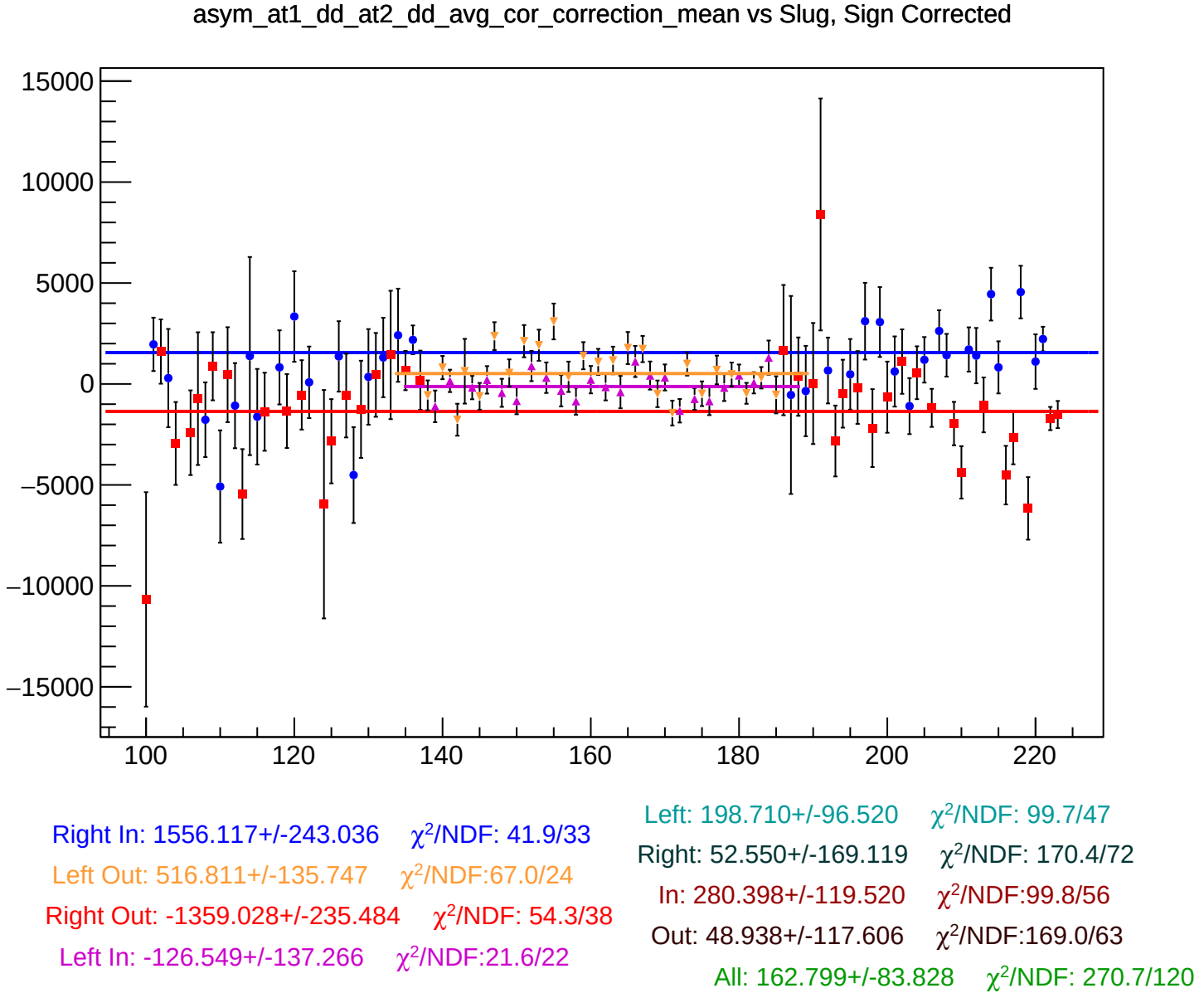
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1269.751+/-0.138 χ^2/NDF: 3365852.1/72

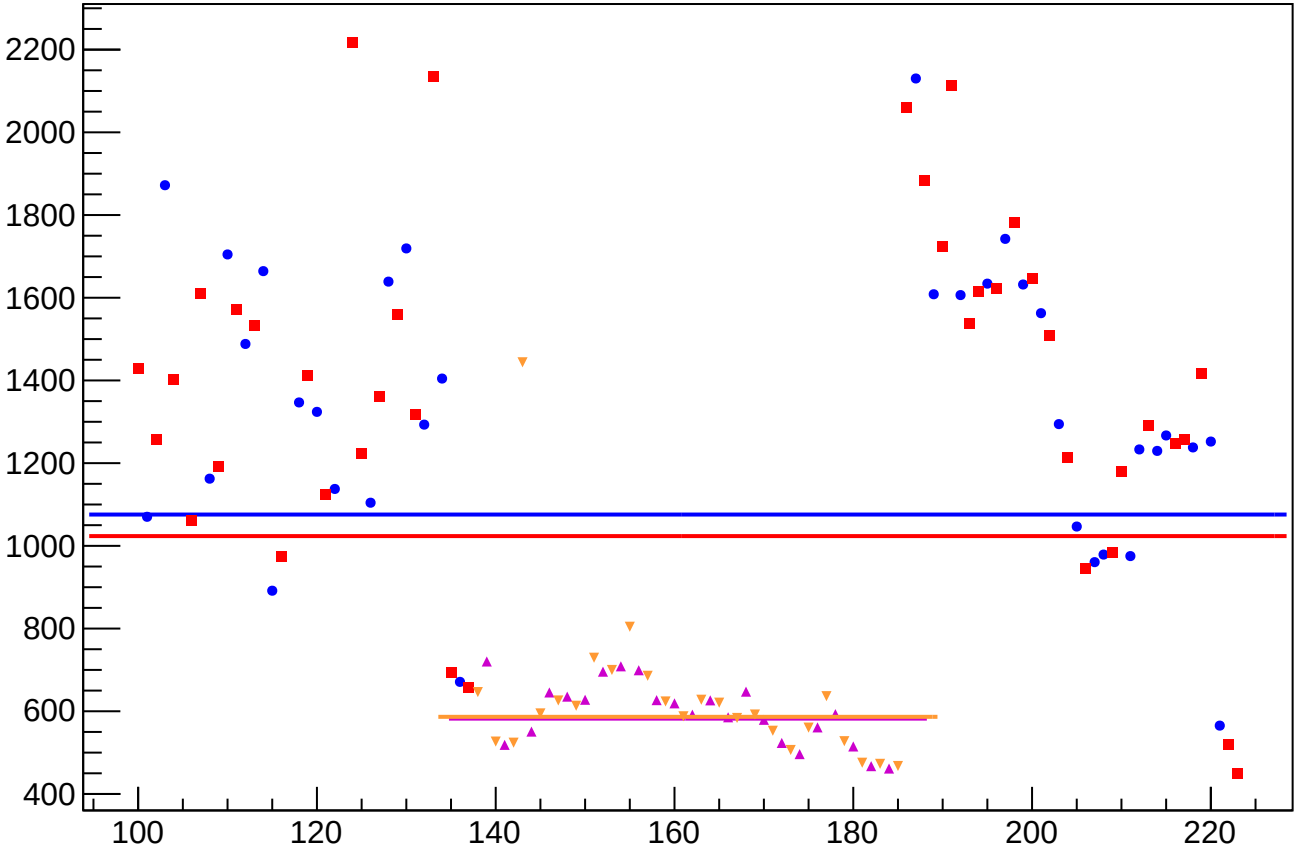
In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1259.993+/-0.140 χ^2/NDF:3029203.0/63

All: 1254.596+/-0.099 χ^2/NDF: 3634410.1/12


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1556.117+/-243.036 χ²/NDF: 41.9/33
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: -1359.028+/-235.484 χ²/NDF: 54.3/38
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 52.550+/-169.119 χ²/NDF: 170.4/72
In: 280.398+/-119.520 χ²/NDF:99.8/56
Out: 48.938+/-117.606 χ²/NDF:169.0/63
All: 162.799+/-83.828 χ²/NDF: 270.7/120

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



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

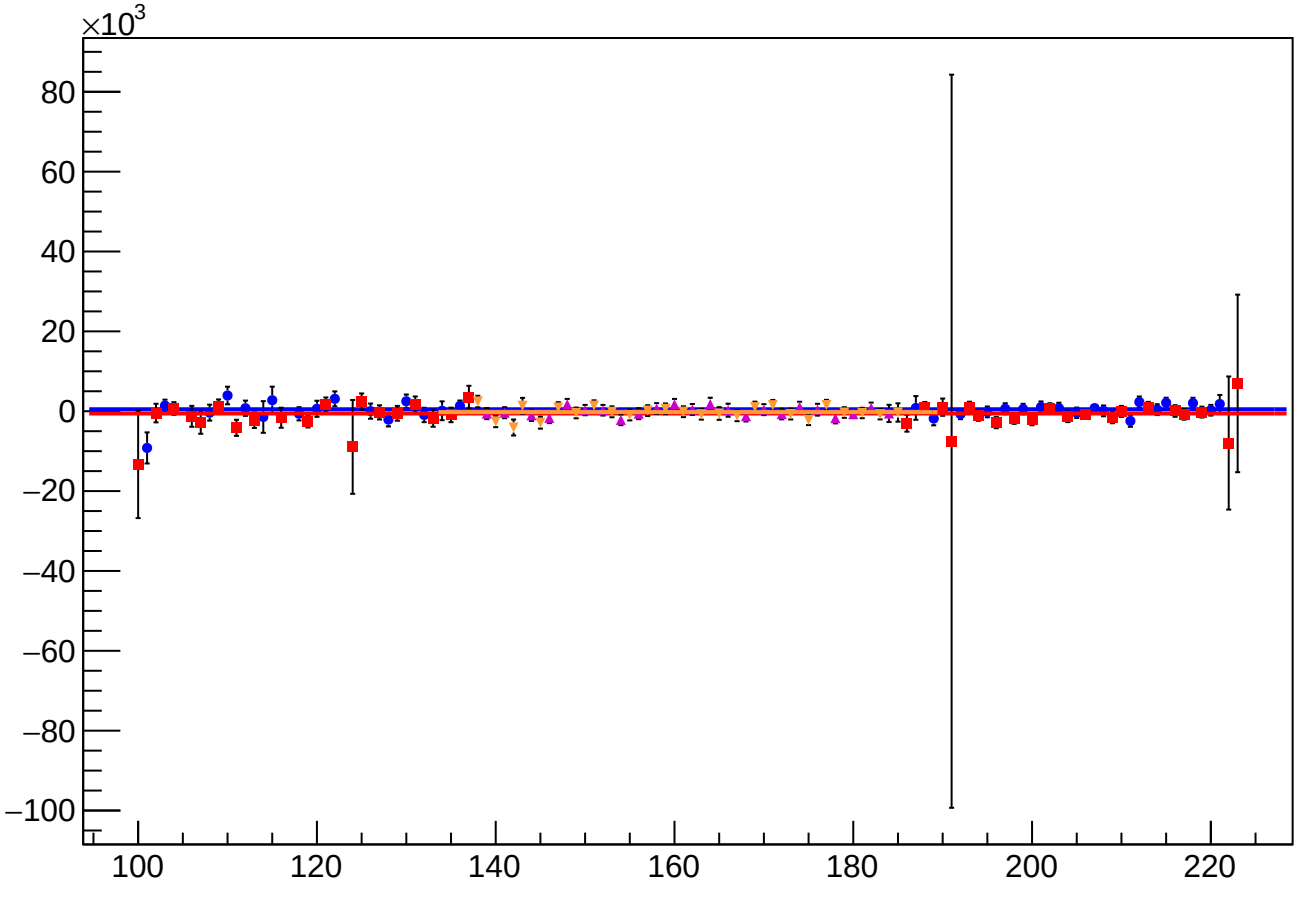
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1048.842+/-0.120 χ^2/NDF: 11412248.9/72

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 695.570+/-0.083 χ^2/NDF:13353841.9/63

All: 698.511+/-0.059 χ^2/NDF: 24553035.7/12



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

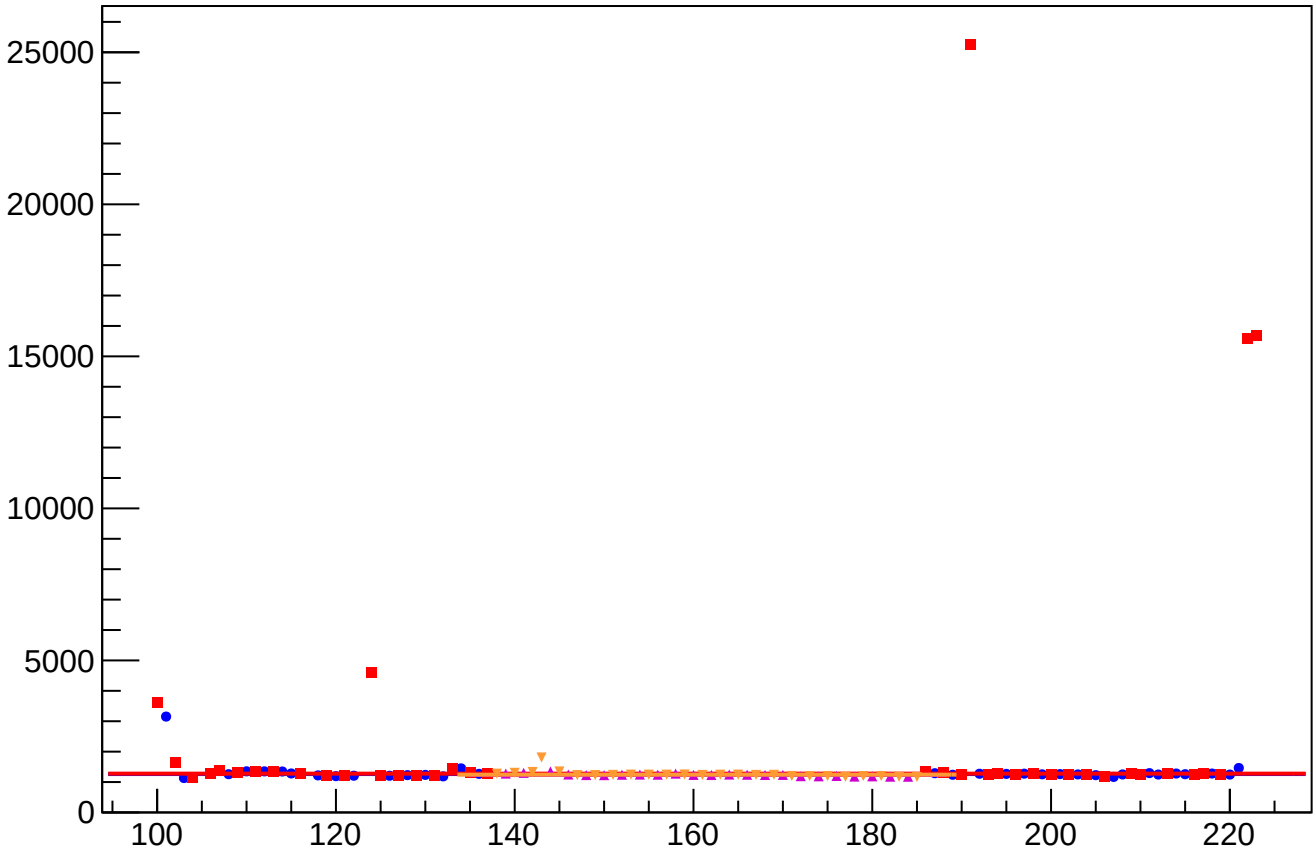
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -32.358+/-195.182 χ^2/NDF: 67.5/72

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -399.139+/-198.232 χ^2/NDF:54.8/63

All: -92.928+/-140.346 χ^2/NDF: 106.4/120



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

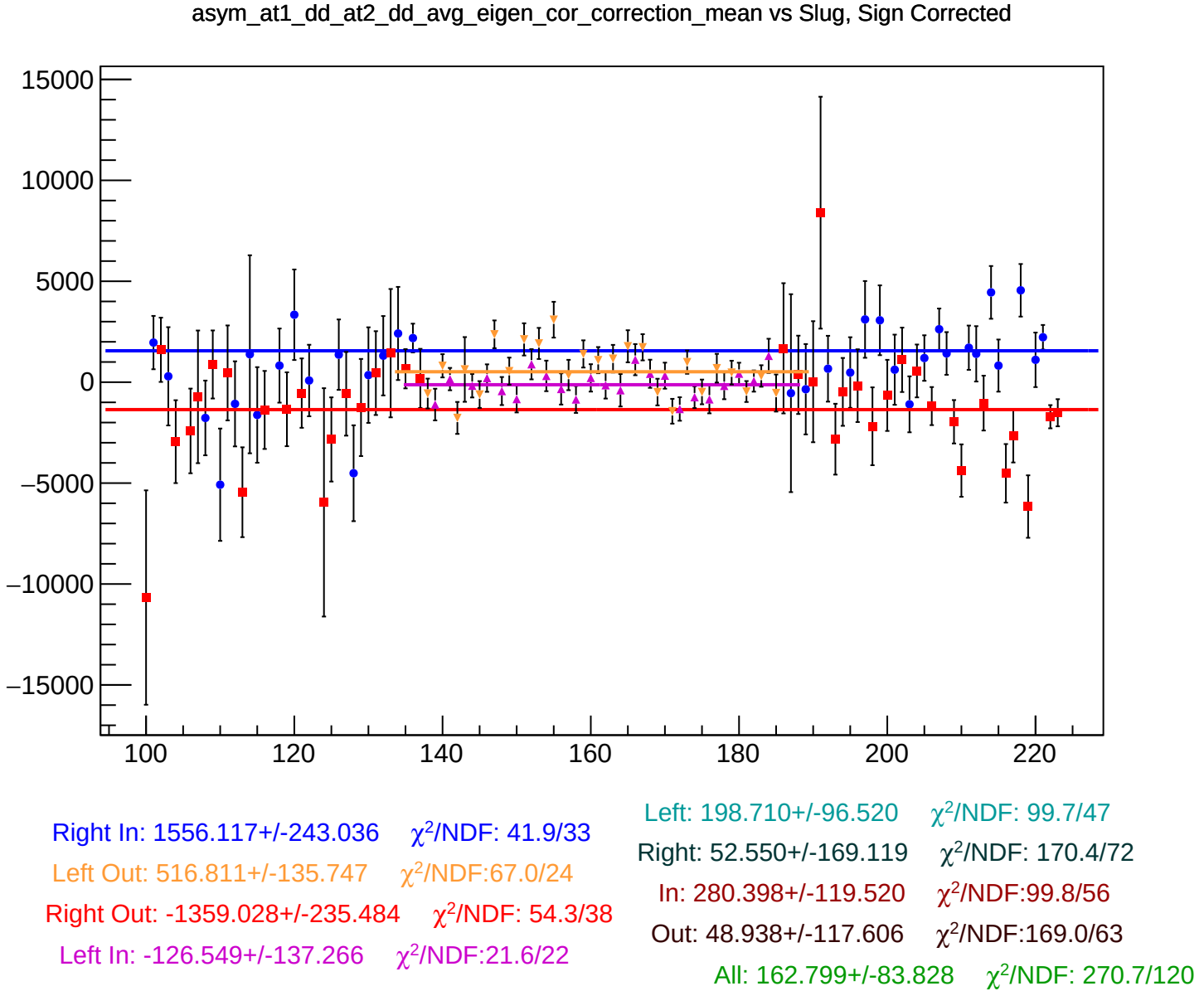
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1269.751+/-0.138 χ^2/NDF: 3365852.1/72

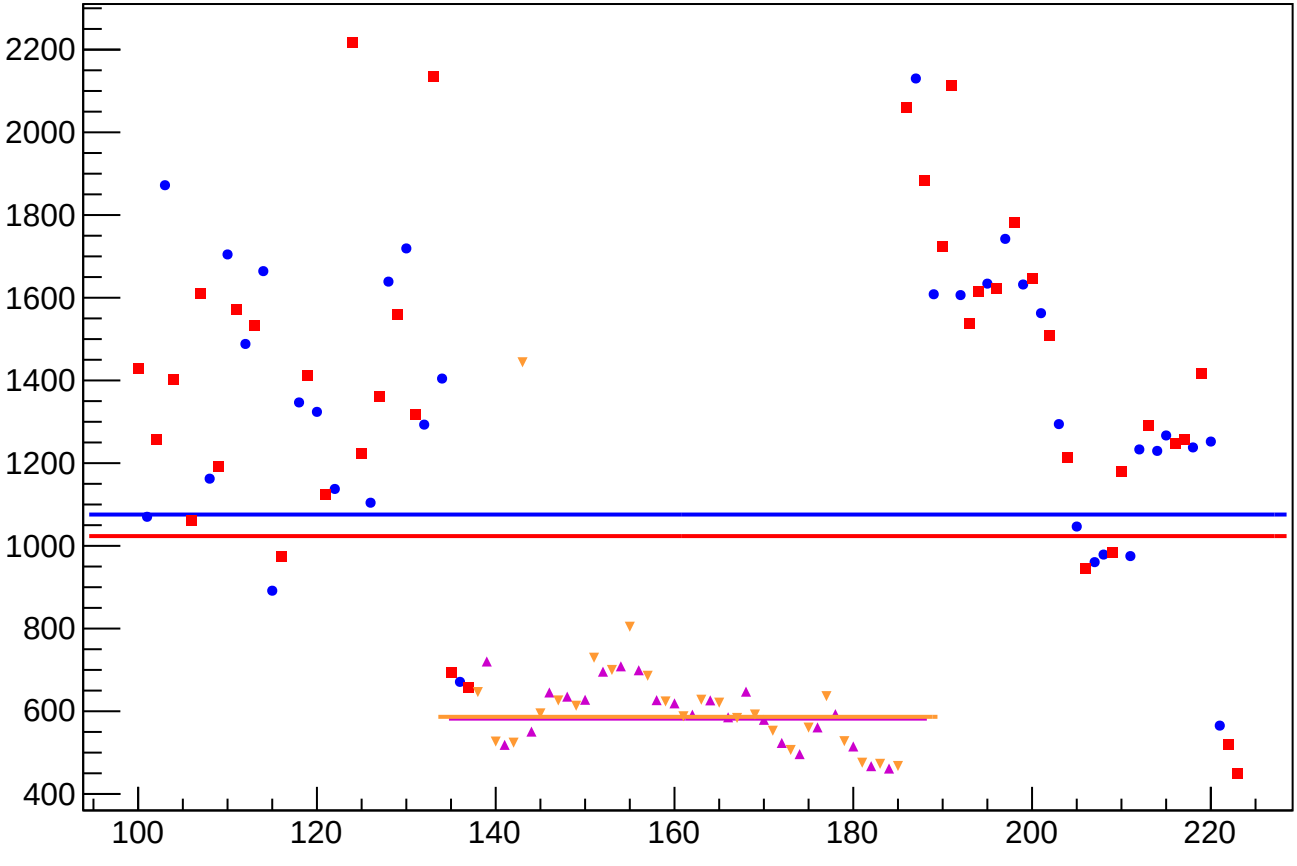
In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1259.993+/-0.140 χ^2/NDF:3029203.0/63

All: 1254.596+/-0.099 χ^2/NDF: 3634410.1/12


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1556.117+/-243.036 χ²/NDF: 41.9/33
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: -1359.028+/-235.484 χ²/NDF: 54.3/38
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 52.550+/-169.119 χ²/NDF: 170.4/72
In: 280.398+/-119.520 χ²/NDF:99.8/56
Out: 48.938+/-117.606 χ²/NDF:169.0/63
All: 162.799+/-83.828 χ²/NDF: 270.7/120

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

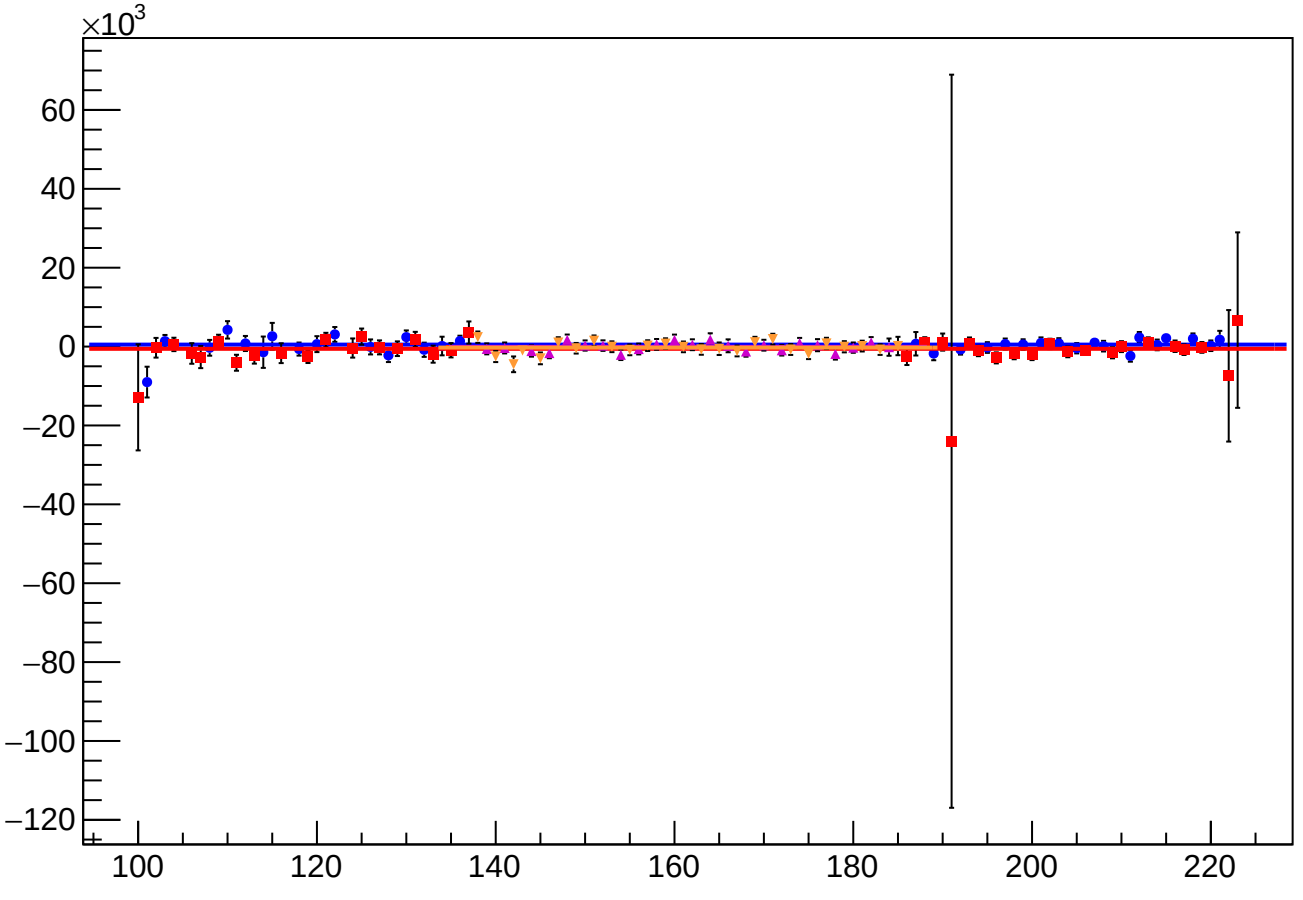
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1048.842+/-0.120 χ^2/NDF: 11412248.9/72

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 695.570+/-0.083 χ^2/NDF:13353841.9/63

All: 698.511+/-0.059 χ^2/NDF: 24553035.7/12



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

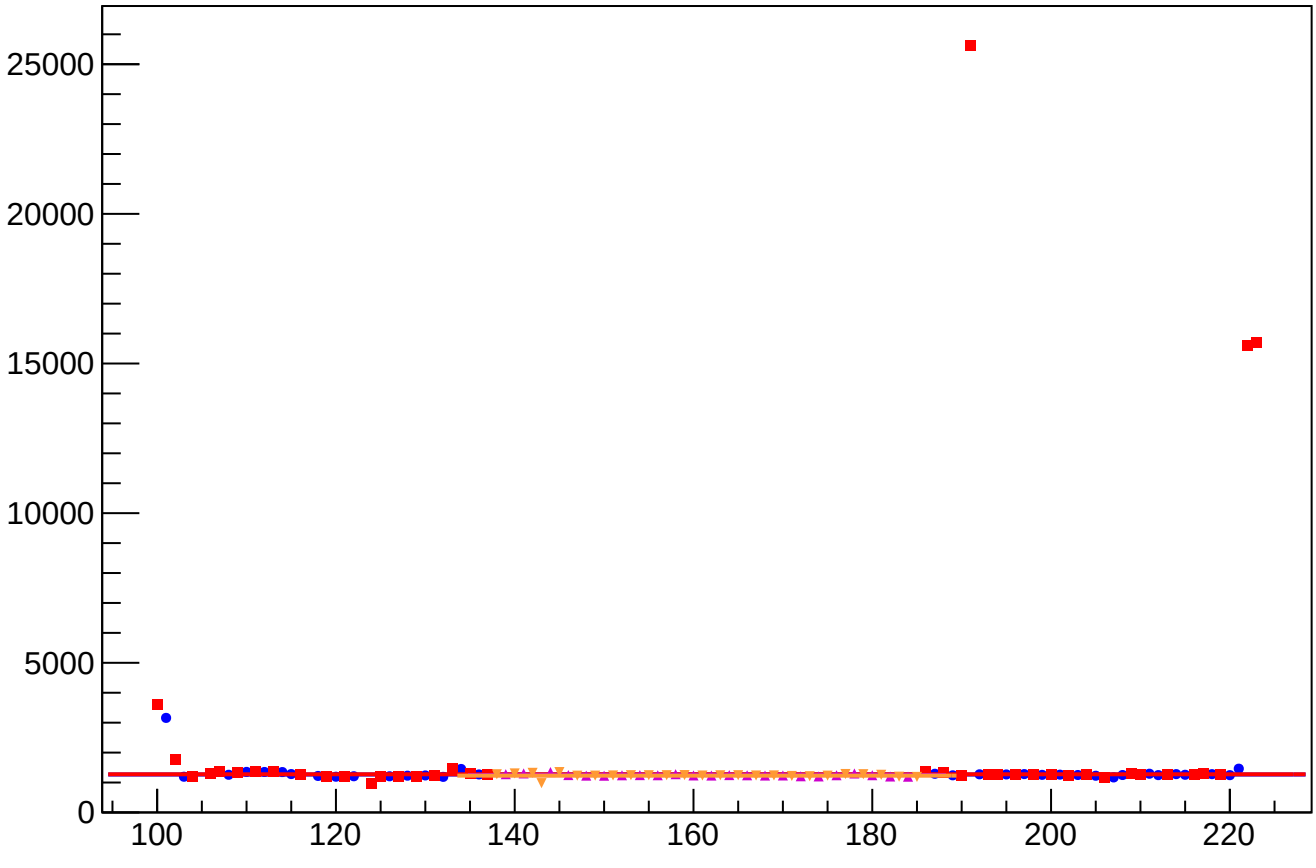
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -31.548+/-195.256 χ^2/NDF: 66.9/72

In: 227.508+/-200.067 χ^2/NDF:45.9/56

Out: -410.946+/-196.950 χ^2/NDF:54.3/63

All: -96.730+/-140.354 χ^2/NDF: 105.3/120



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

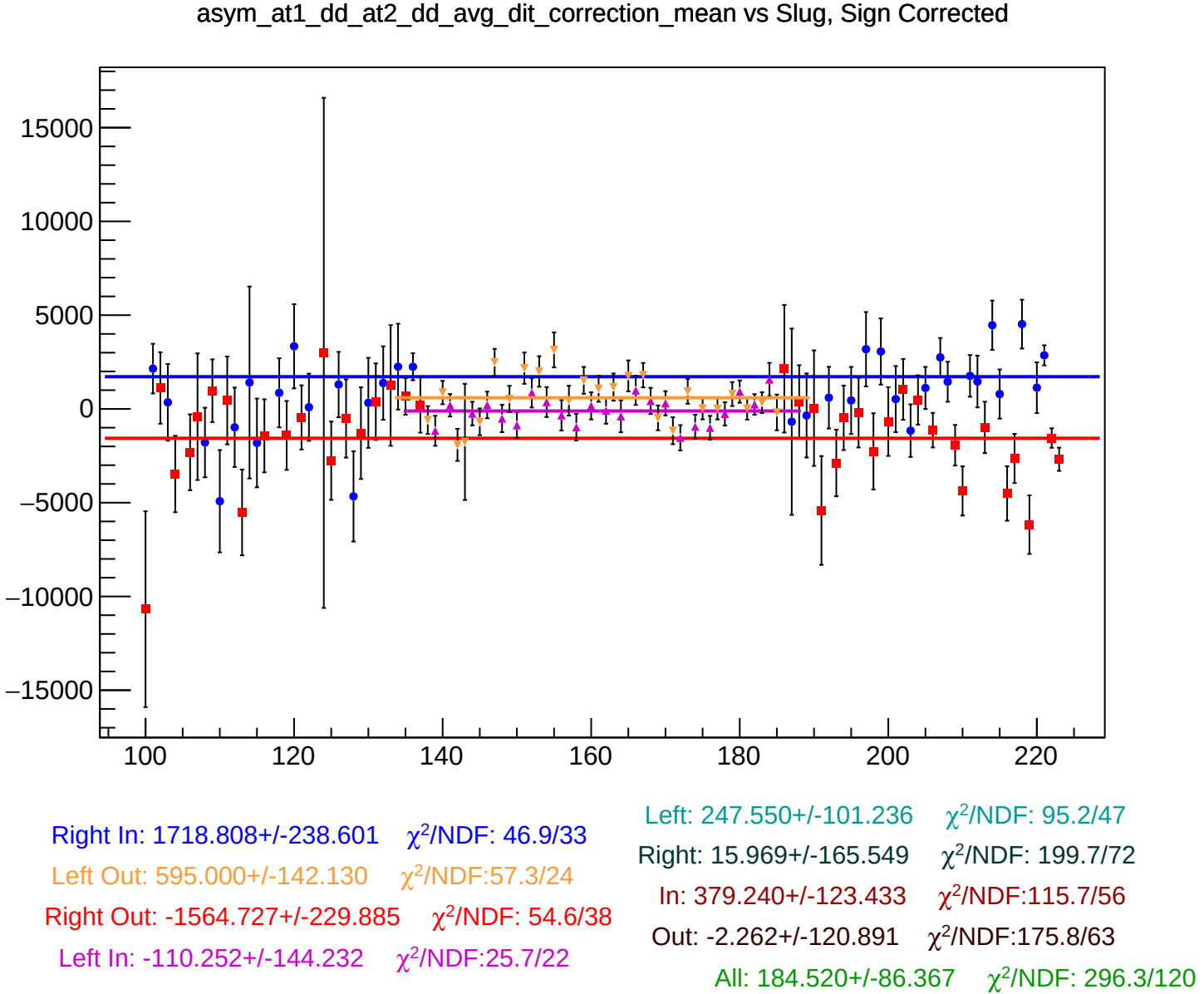
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1270.986+/-0.138 χ^2/NDF: 3245492.1/72

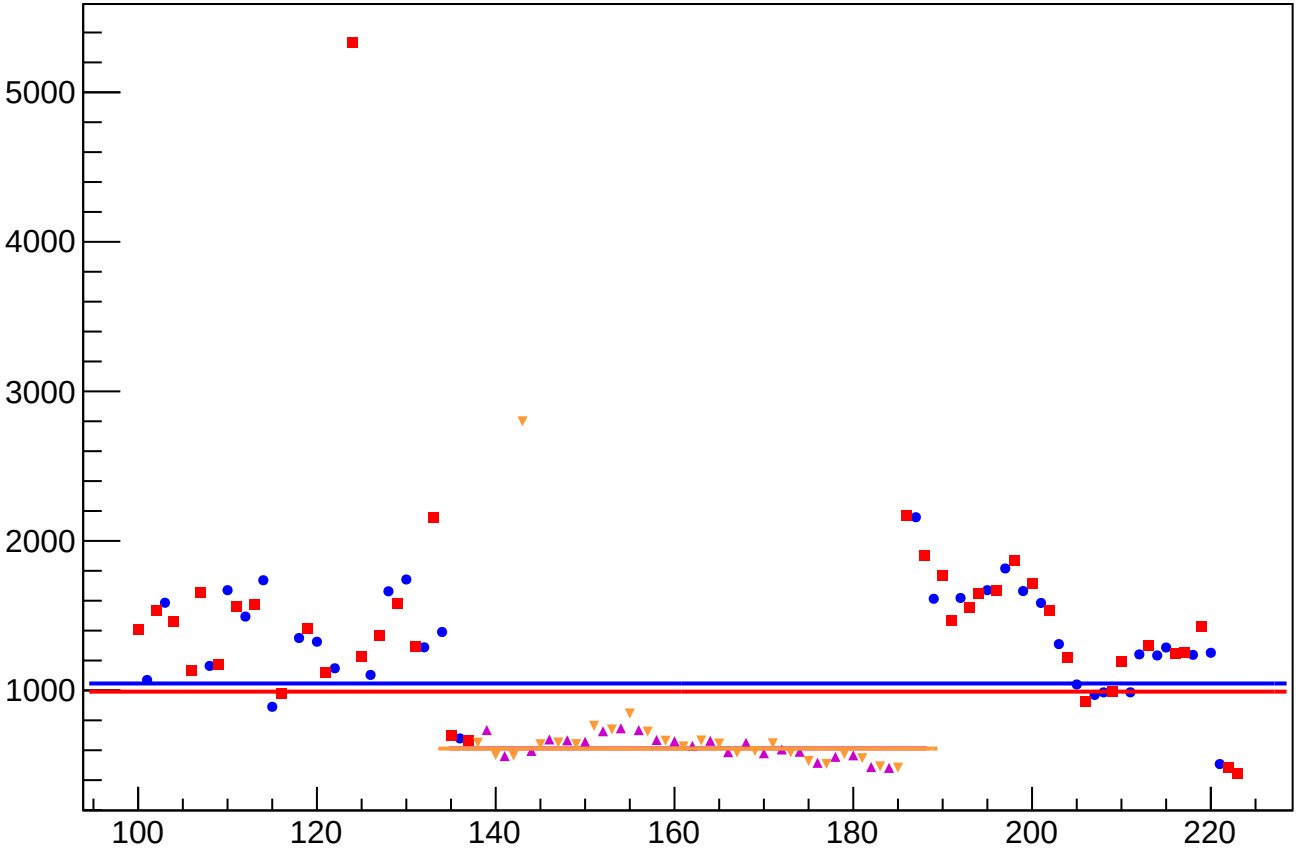
In: 1257.793+/-0.141 χ^2/NDF:573155.6/56

Out: 1252.882+/-0.139 χ^2/NDF:2871266.4/63

All: 1255.299+/-0.099 χ^2/NDF: 3445034.1/12


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1718.808+/-238.601 χ²/NDF: 46.9/33
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -1564.727+/-229.885 χ²/NDF: 54.6/38
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 15.969+/-165.549 χ²/NDF: 199.7/72
In: 379.240+/-123.433 χ²/NDF:115.7/56
Out: -2.262+/-120.891 χ²/NDF:175.8/63
All: 184.520+/-86.367 χ²/NDF: 296.3/120

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



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

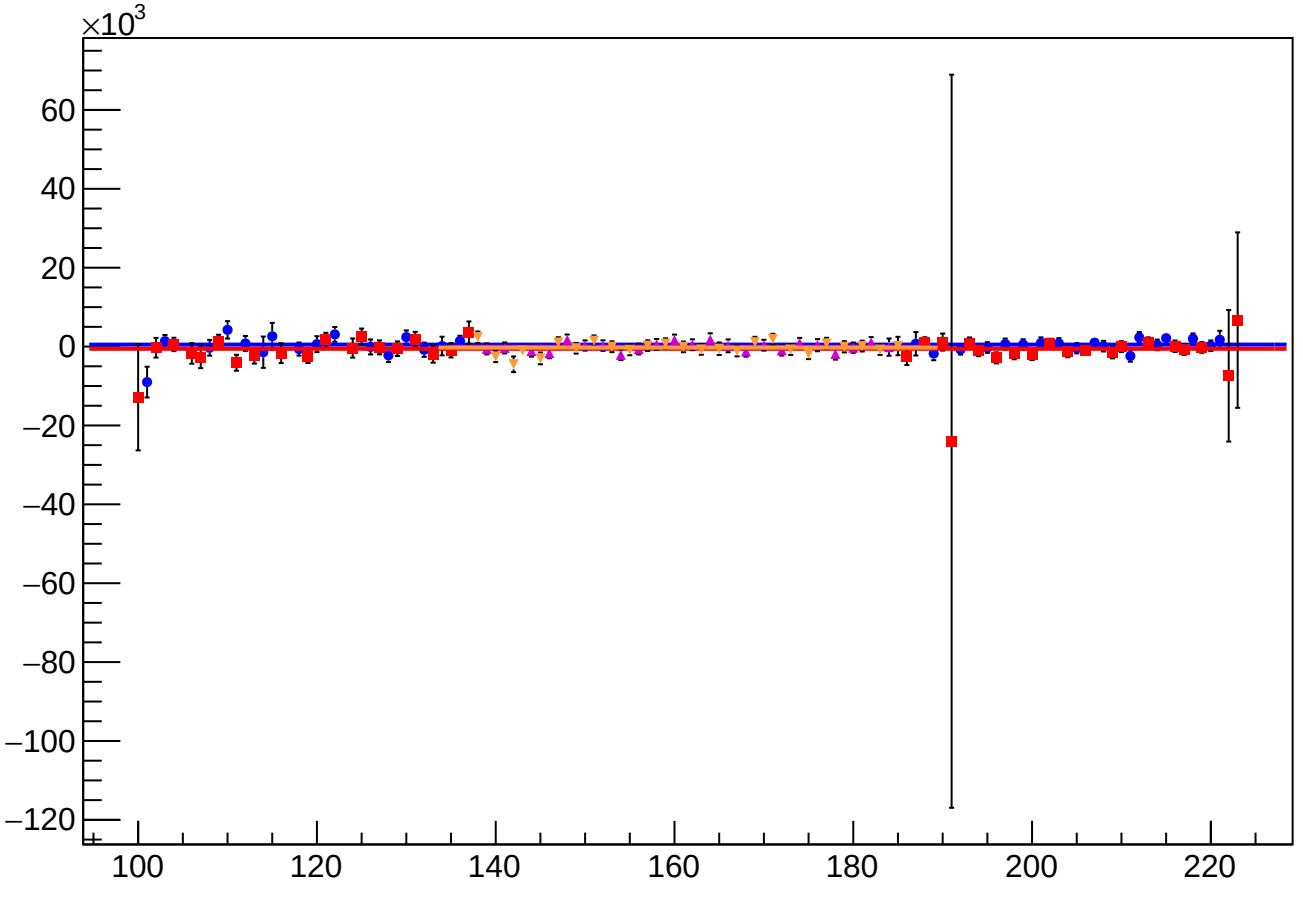
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1018.193+/-0.117 χ^2/NDF: 13486829.8/72

In: 728.568+/-0.087 χ^2/NDF:10521558.3/56

Out: 716.408+/-0.085 χ^2/NDF:13858231.1/63

All: 722.361+/-0.061 χ^2/NDF: 24389696.9/12



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

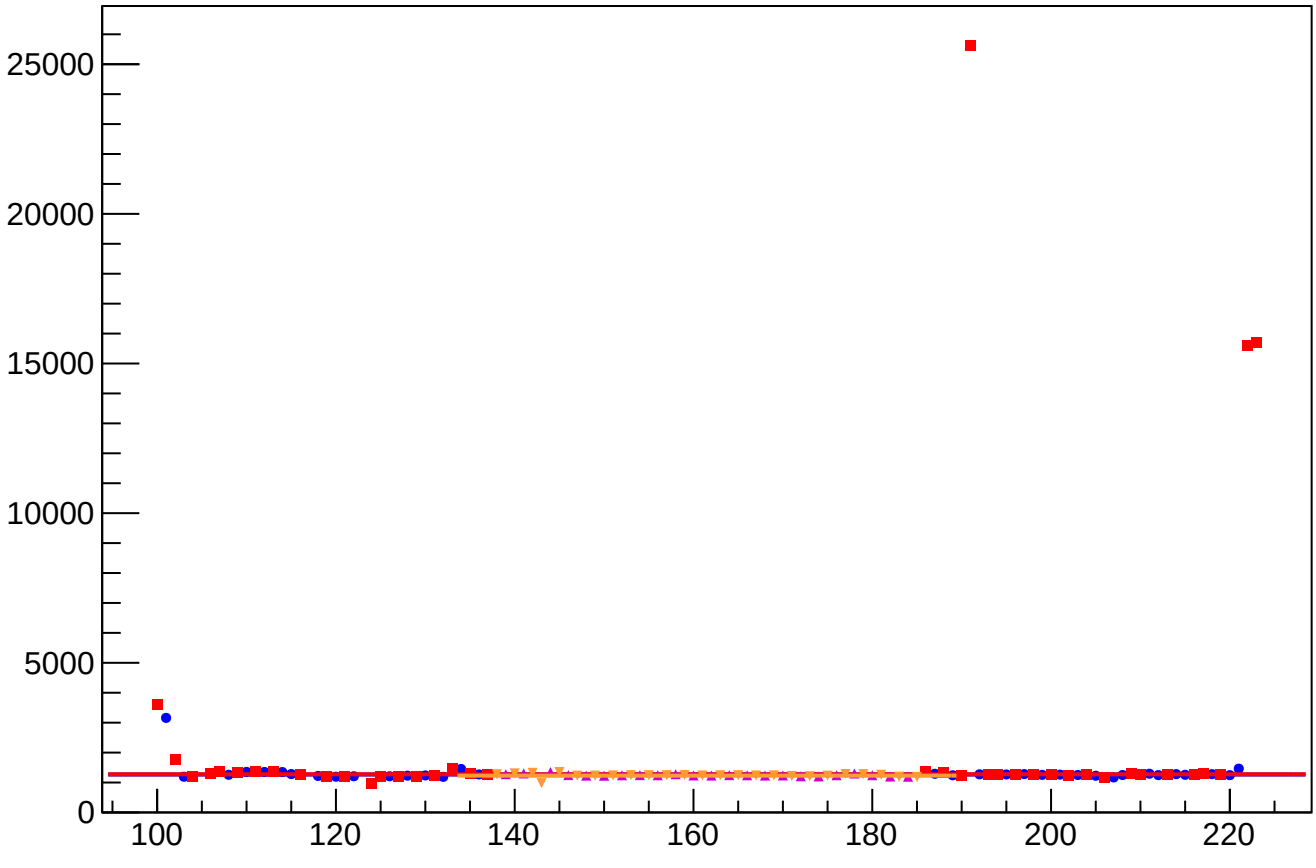
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -31.549+/-195.256 χ^2/NDF: 66.9/72

In: 227.506+/-200.067 χ^2/NDF:45.9/56

Out: -410.945+/-196.950 χ^2/NDF:54.3/63

All: -96.731+/-140.354 χ^2/NDF: 105.3/120



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

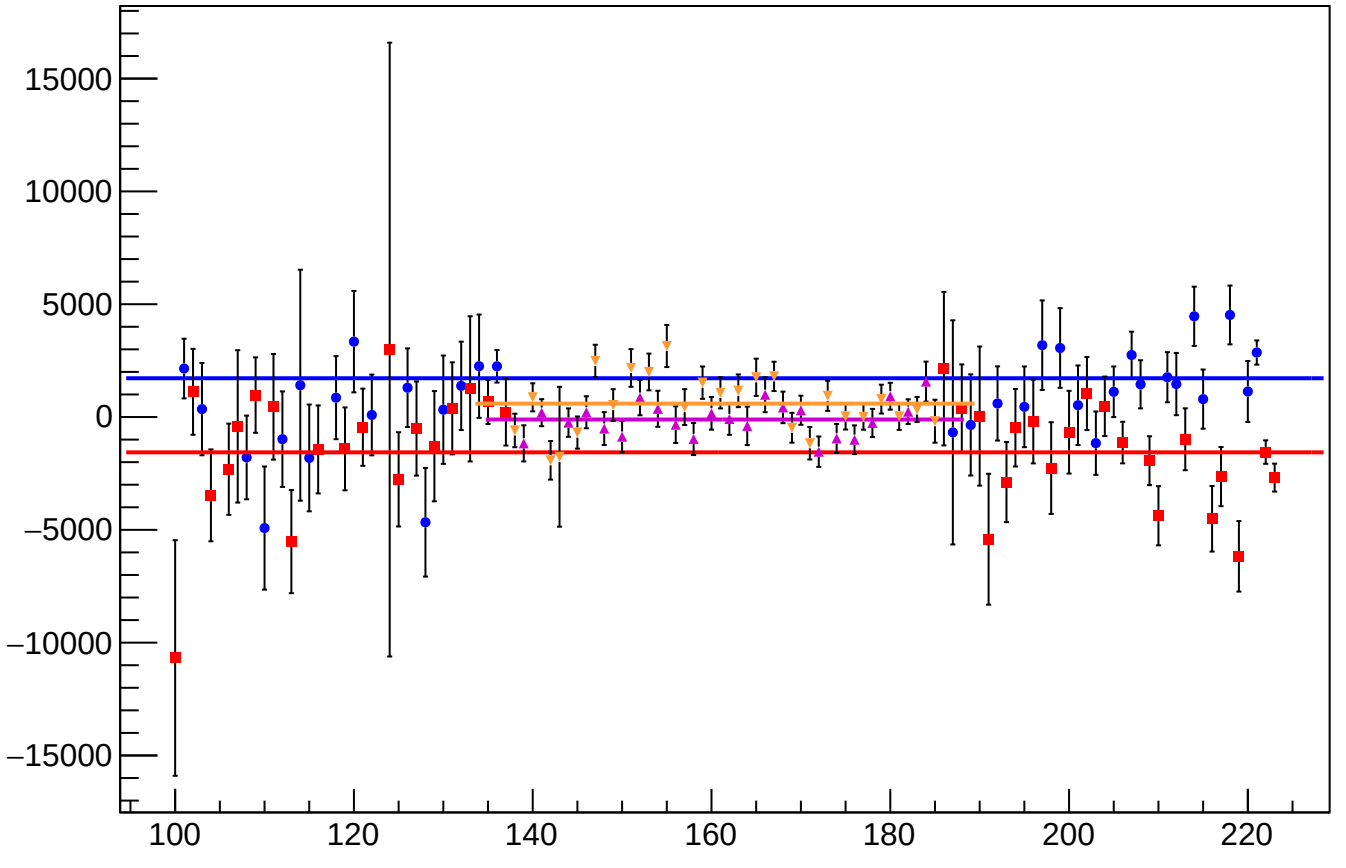
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1270.986+/-0.138 χ^2/NDF: 3245492.0/72

In: 1257.793+/-0.141 χ^2/NDF:573155.7/56

Out: 1252.881+/-0.139 χ^2/NDF:2871265.3/63

All: 1255.298+/-0.099 χ^2/NDF: 3445033.0/12



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

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

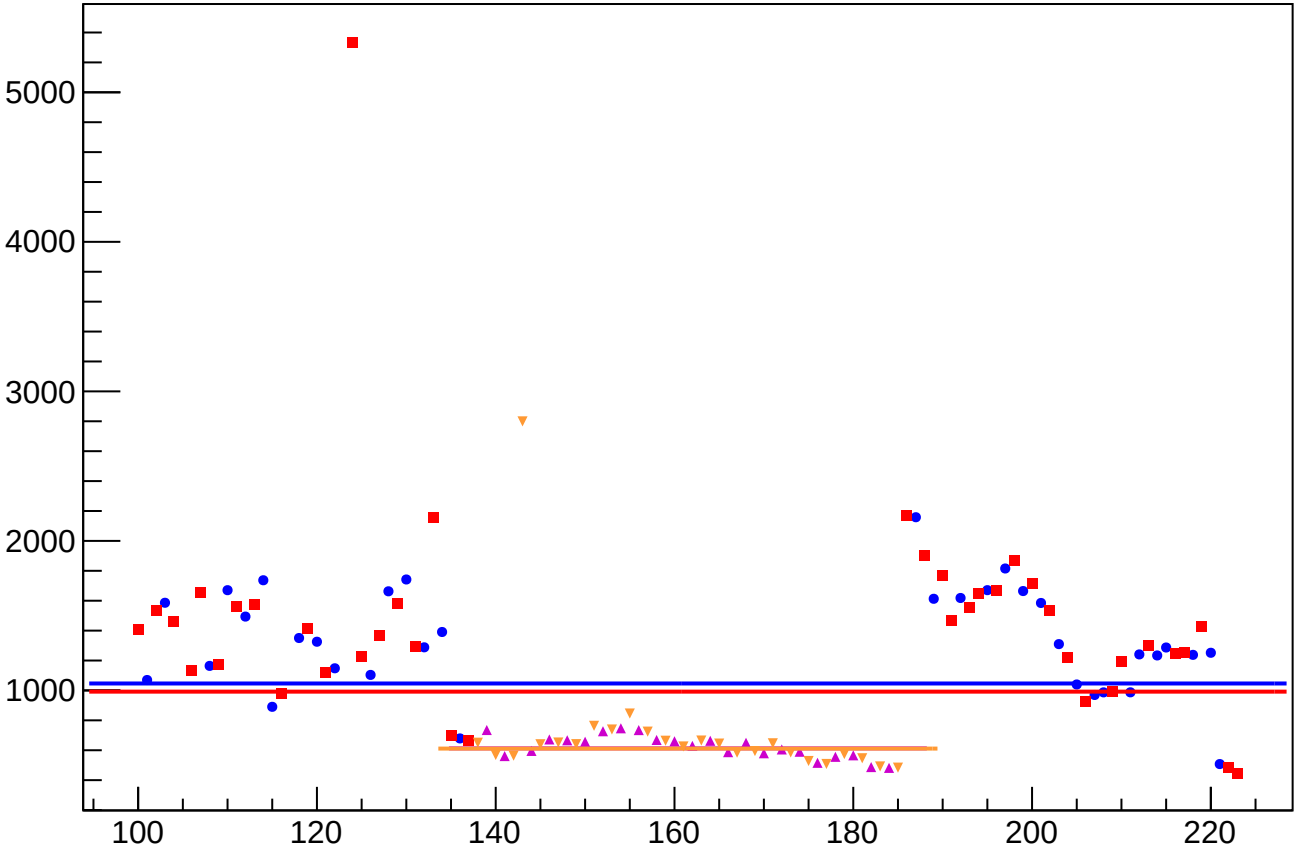
Right: 15.970+/-165.549 χ^2/NDF: 199.7/72

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: -2.262+/-120.891 χ^2/NDF:175.8/63

All: 184.520+/-86.367 χ^2/NDF: 296.3/120

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

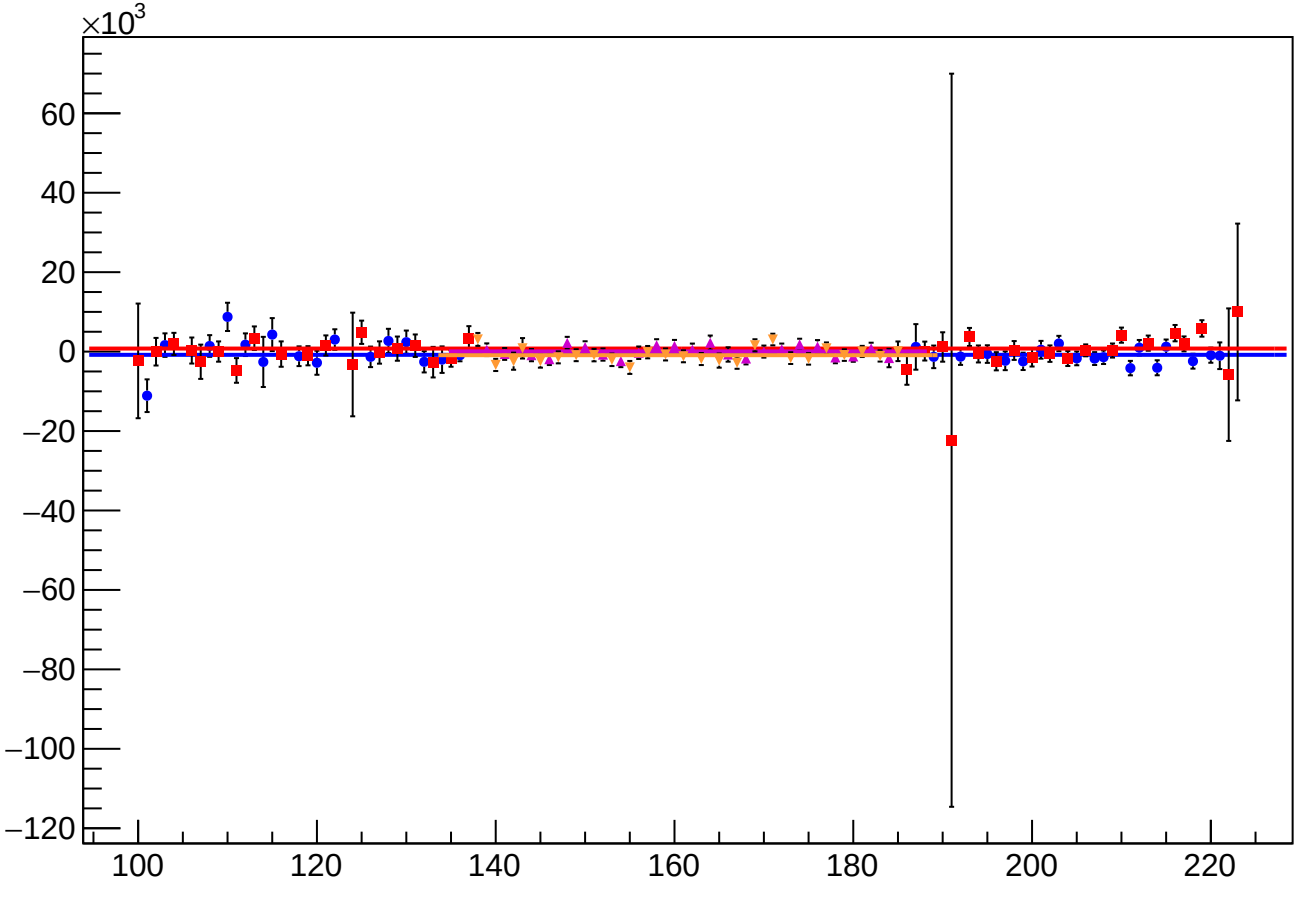
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1018.193+/-0.117 χ^2/NDF: 13486782.4/72

In: 728.567+/-0.087 χ^2/NDF:10521529.1/56

Out: 716.408+/-0.085 χ^2/NDF:13858232.9/63

All: 722.361+/-0.061 χ^2/NDF: 24389669.0/12



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

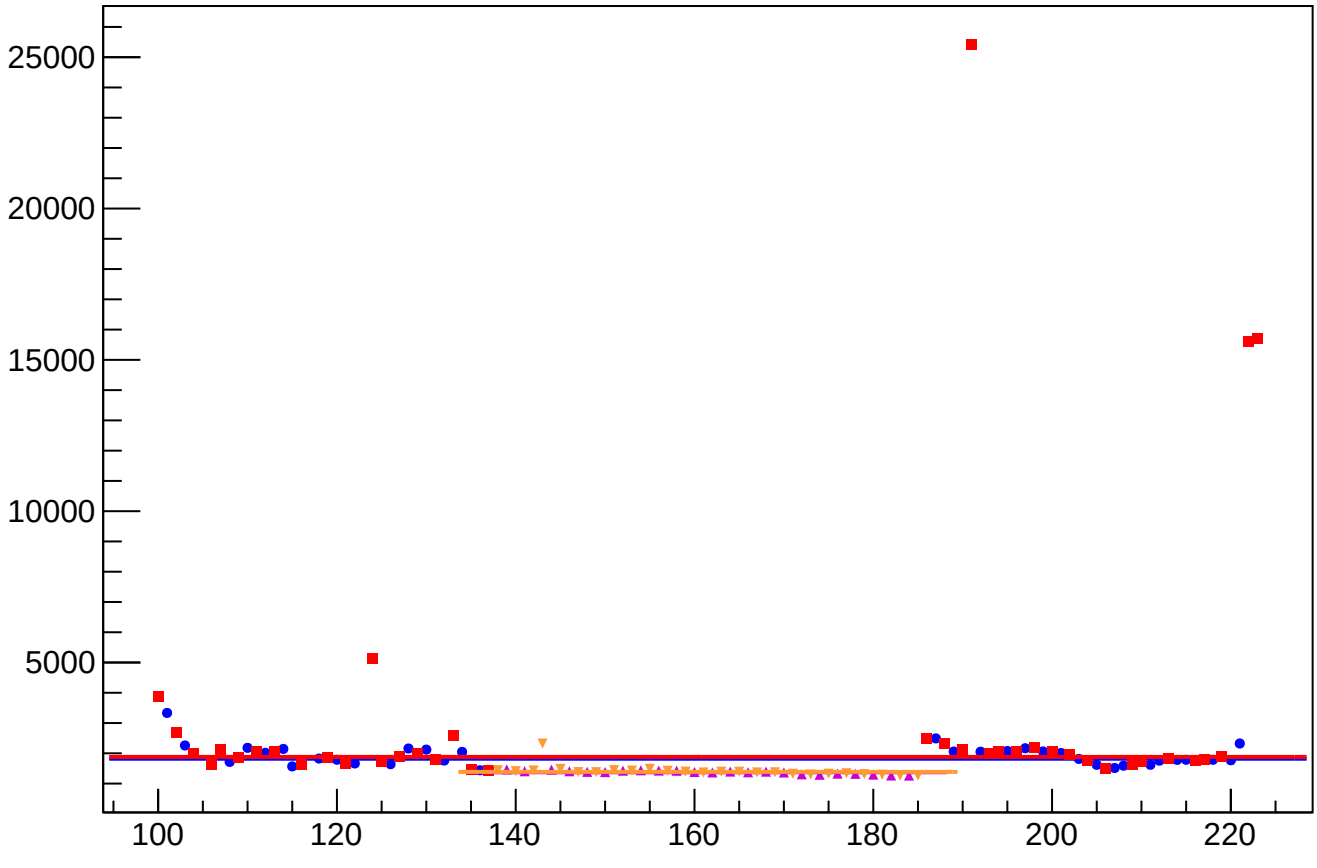
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -46.278+/-285.598 χ^2/NDF: 78.3/72

In: -290.545+/-249.639 χ^2/NDF:57.2/56

Out: -278.070+/-250.715 χ^2/NDF:74.4/63

All: -284.335+/-176.901 χ^2/NDF: 131.6/120



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

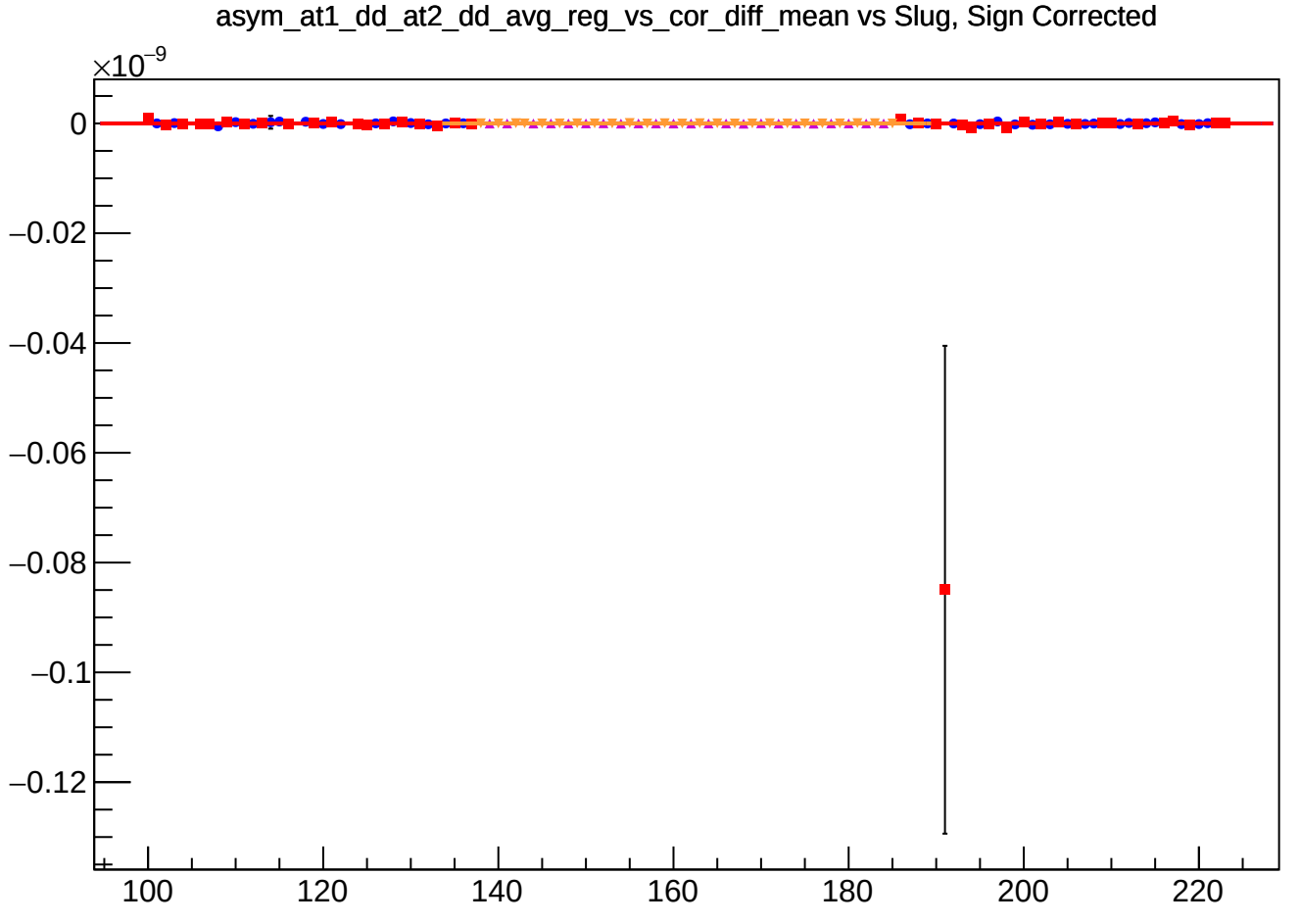
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1850.118+/-0.202 χ^2/NDF: 4149997.9/72

In: 1550.111+/-0.177 χ^2/NDF:2543799.4/56

Out: 1570.868+/-0.177 χ^2/NDF:5343666.7/63

All: 1560.445+/-0.125 χ^2/NDF: 7894349.9/12



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

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

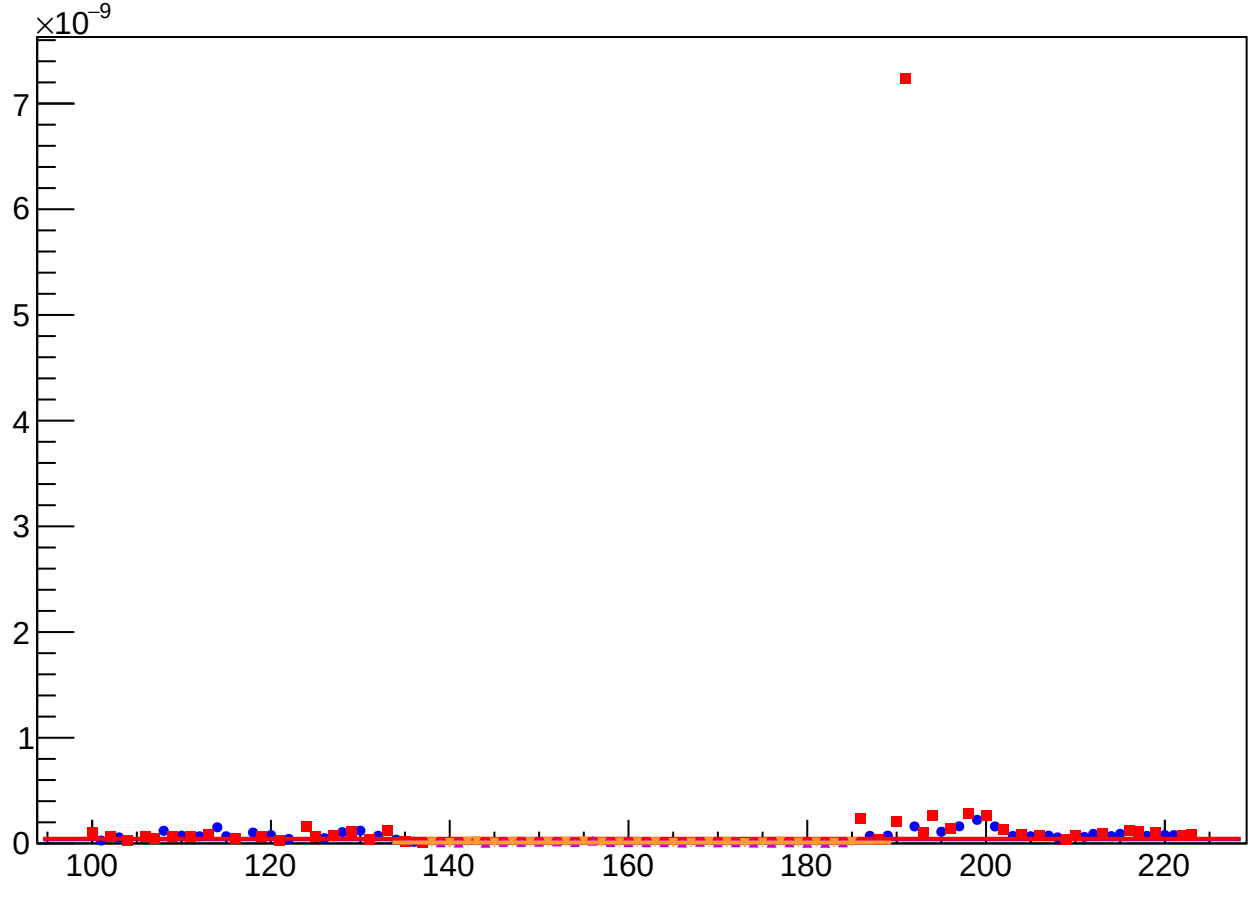
Right: -0.000+/-0.000 χ^2/NDF: 88.4/72

In: 0.000+/-0.000 χ^2/NDF:42.7/56

Out: 0.000+/-0.000 χ^2/NDF:84.1/63

All: 0.000+/-0.000 χ^2/NDF: 126.8/120

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

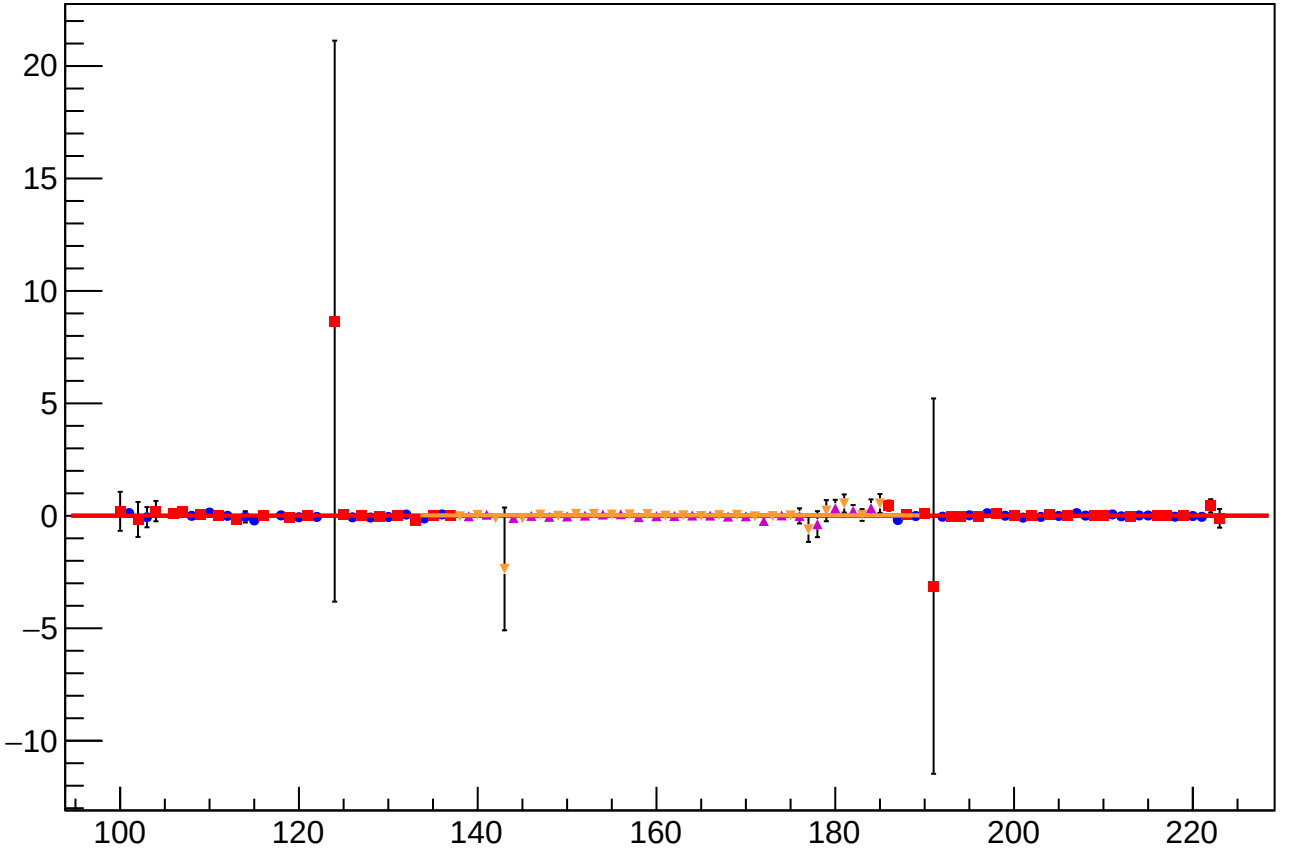
Right: 0.000+/-0.000 χ^2/NDF: 15626635.6/72

In: 0.000+/-0.000 χ^2/NDF:14574605.1/56

Out: 0.000+/-0.000 χ^2/NDF:17396089.6/63

All: 0.000+/-0.000 χ^2/NDF: 32333843.5/120

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

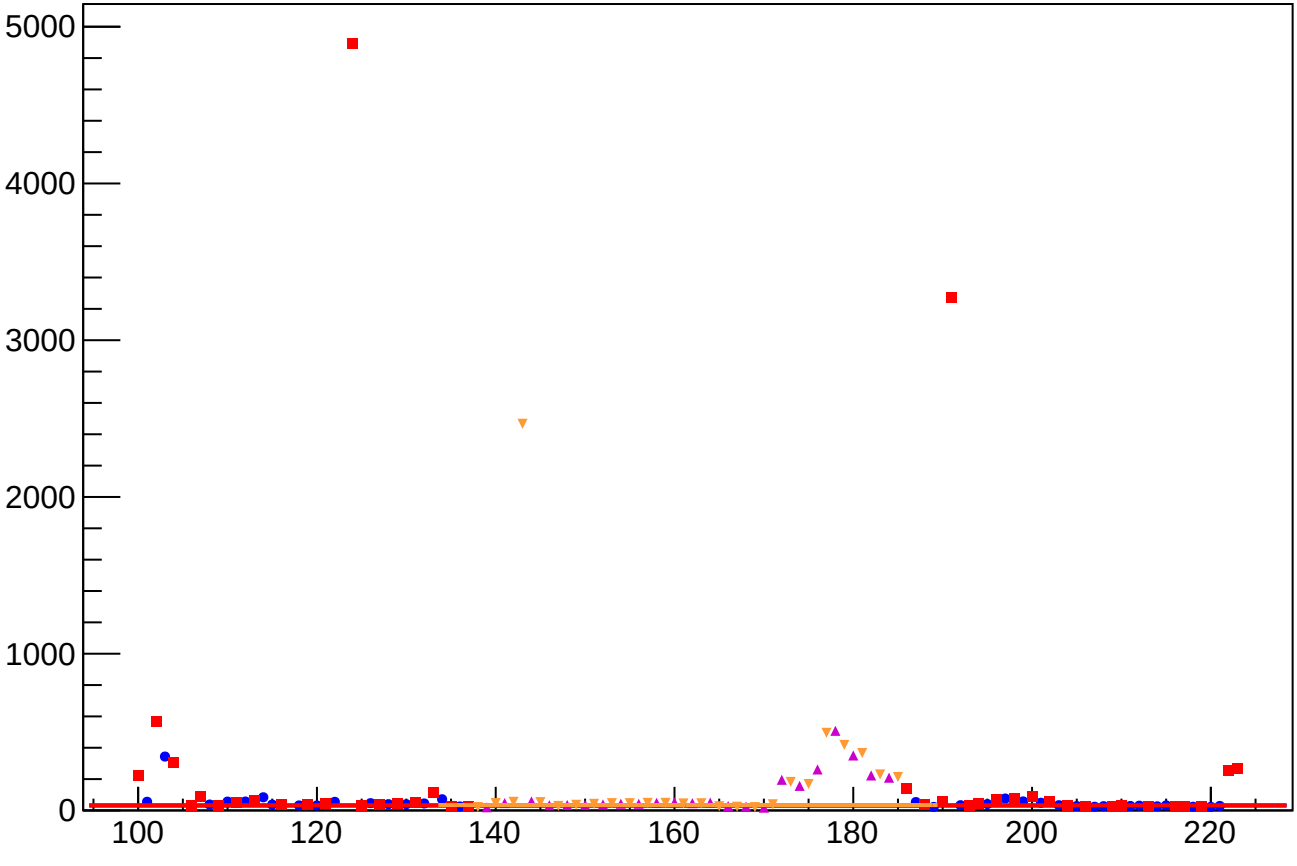
Right: 0.007+/-0.006 χ^2/NDF: 76.7/72

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.4/63

All: 0.007+/-0.004 χ^2/NDF: 119.8/120

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

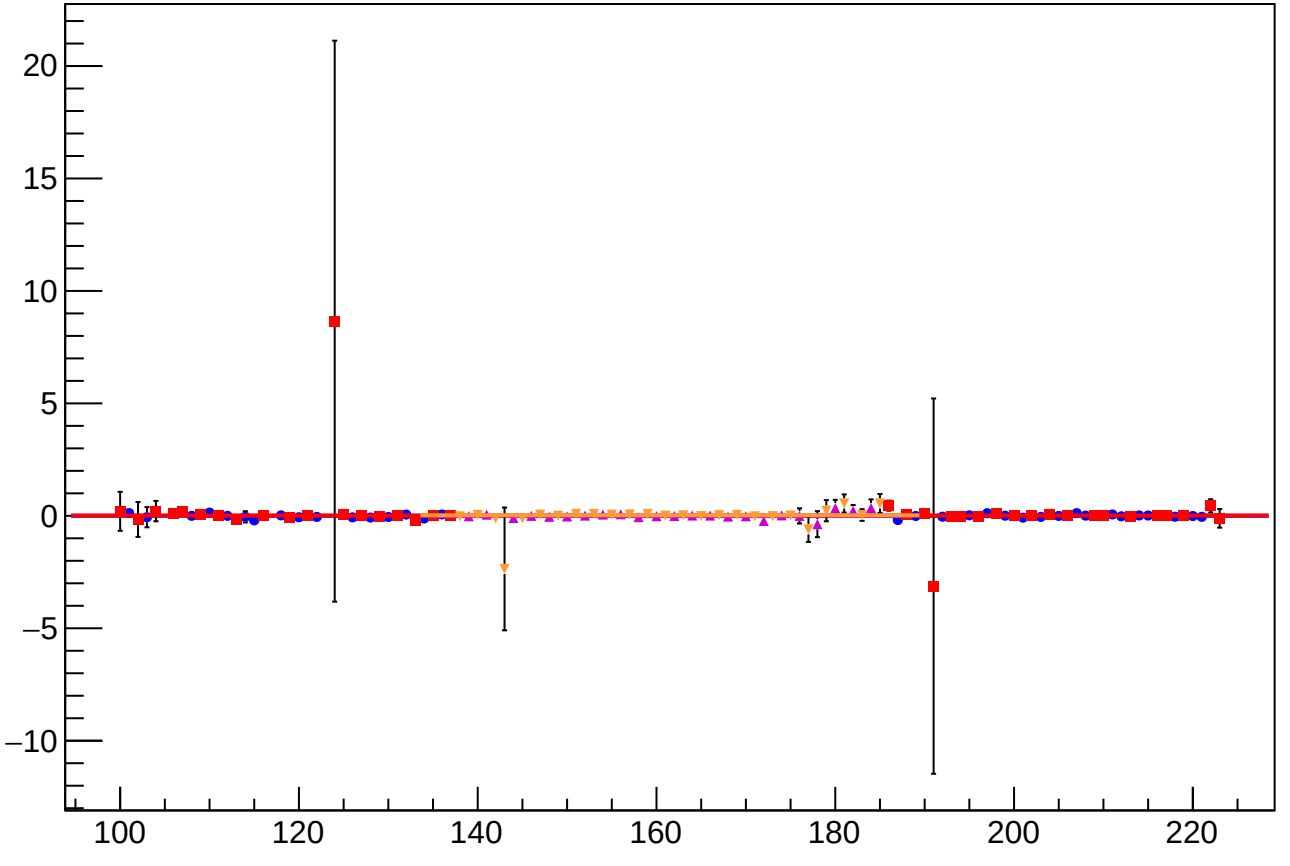
Right: 32.065+/-0.004 χ^2/NDF: 12869239.6/72

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.737+/-0.005 χ^2/NDF:20058949.0/63

All: 32.859+/-0.003 χ^2/NDF: 34448509.4/120

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

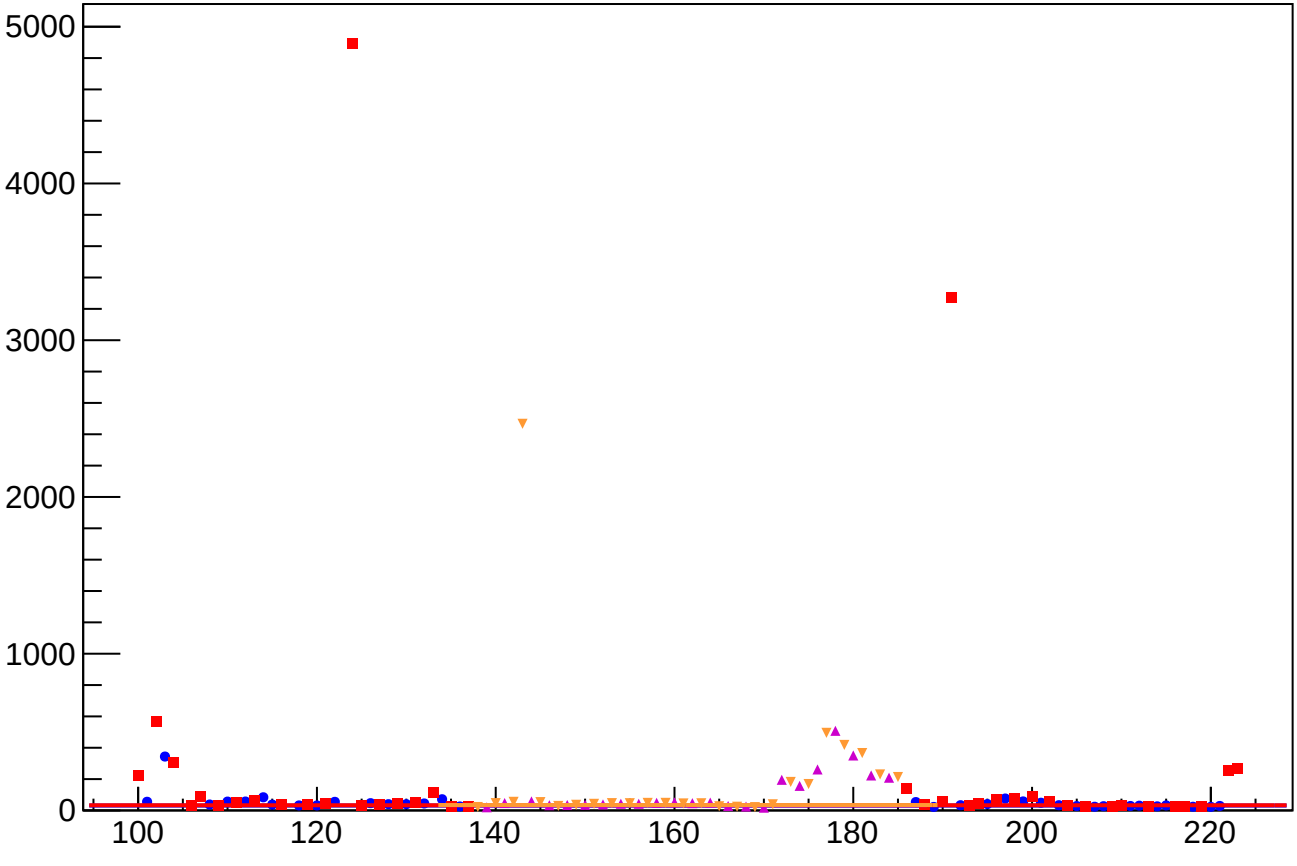
Right: 0.007+/-0.006 χ^2/NDF: 76.7/72

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.4/63

All: 0.007+/-0.004 χ^2/NDF: 119.8/120

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

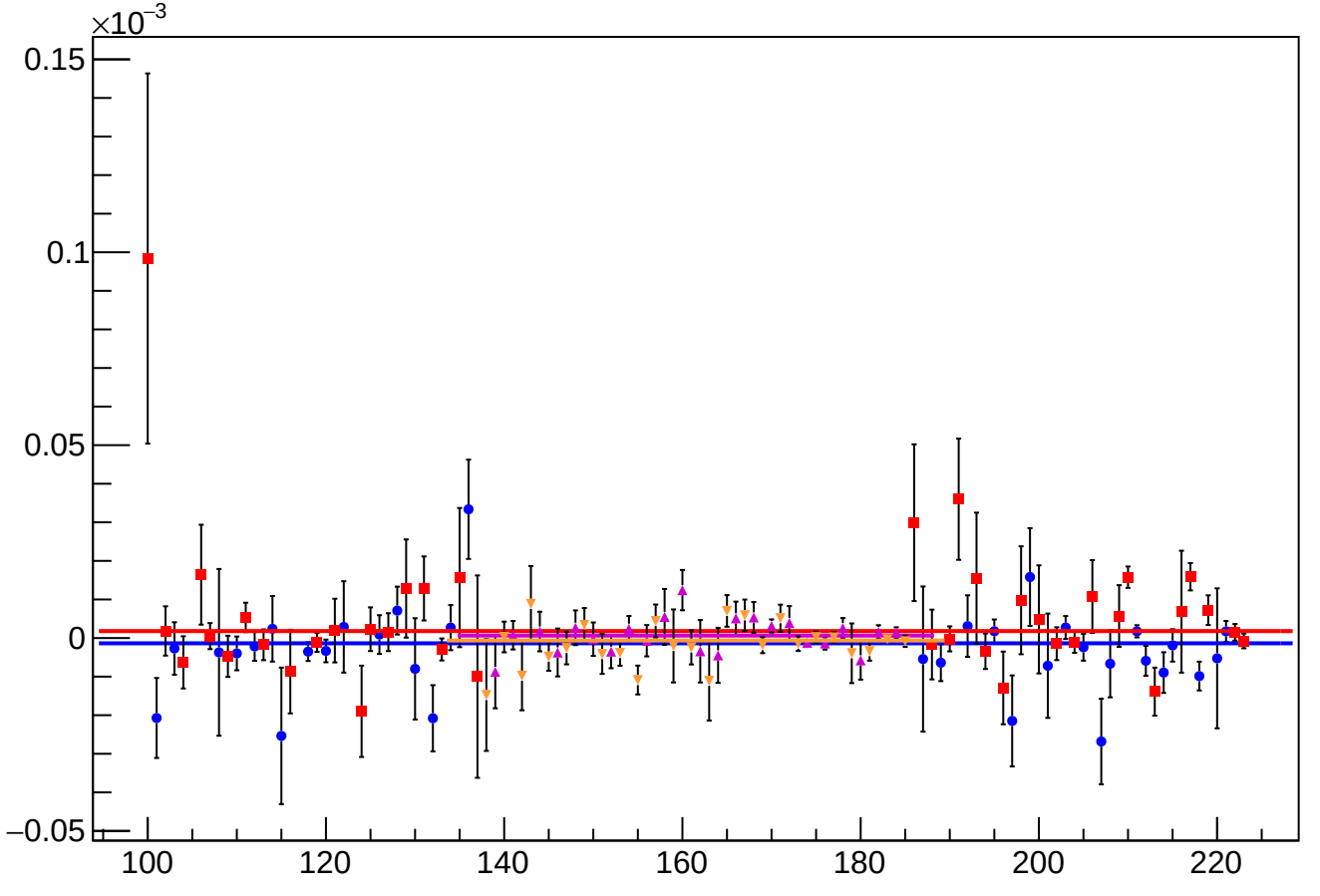
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 32.065+/-0.004 χ^2/NDF: 12869239.6/72

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.737+/-0.005 χ^2/NDF:20058949.0/63

All: 32.859+/-0.003 χ^2/NDF: 34448509.4/120



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

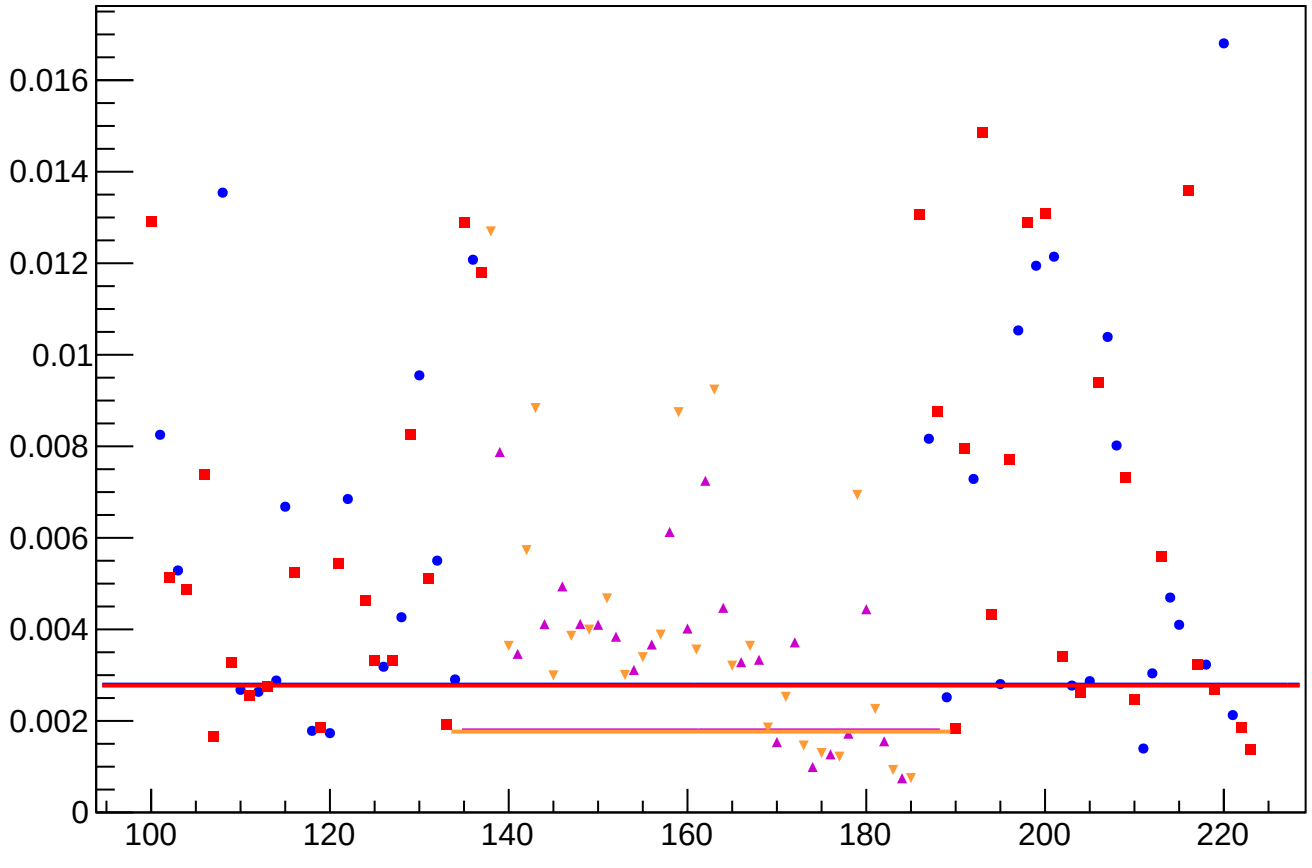
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: 0.000+/-0.000 χ^2/NDF: 148.6/72

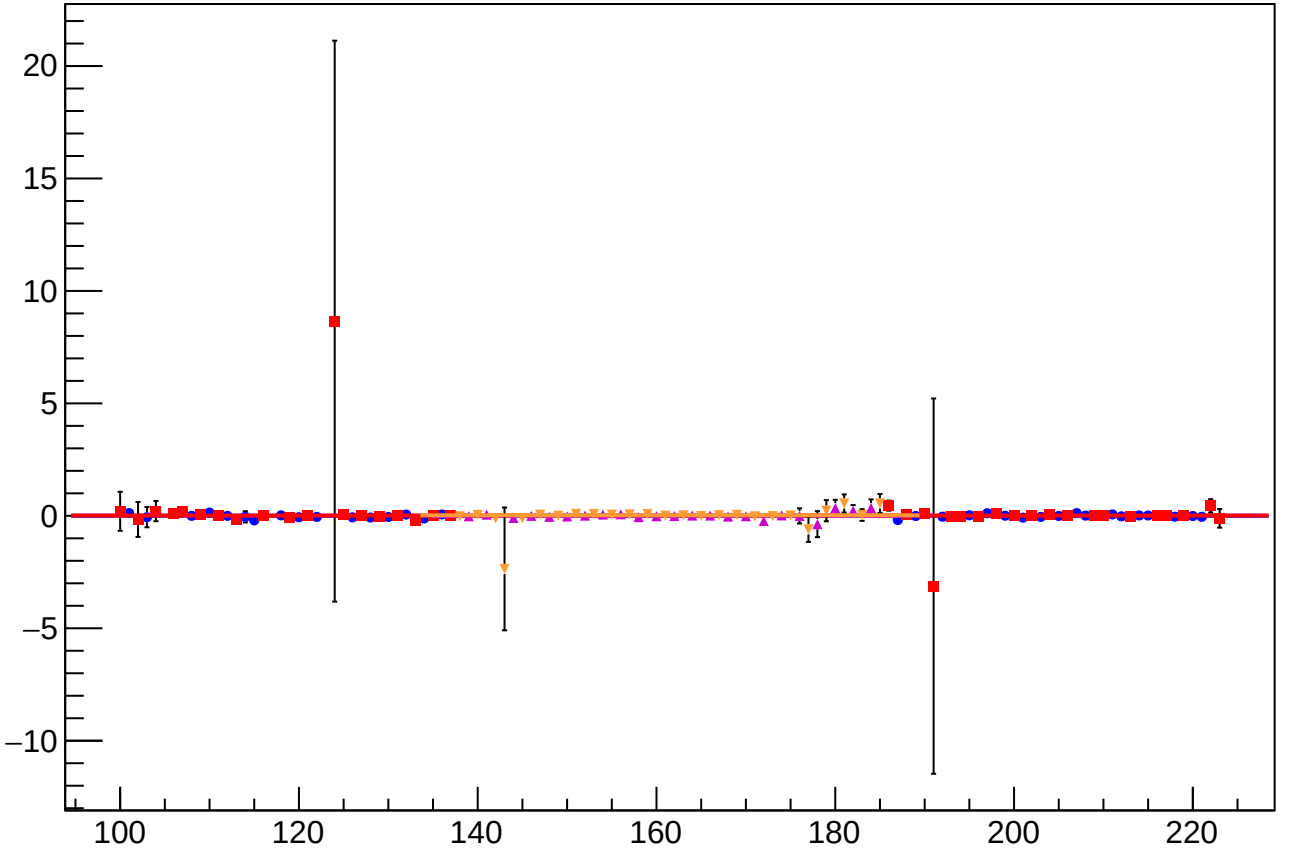
In: -0.000+/-0.000 χ^2/NDF:78.1/56

Out: 0.000+/-0.000 χ^2/NDF:123.8/63

All: 0.000+/-0.000 χ^2/NDF: 202.1/120


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 12866926.1/33
Left Out: 0.002+/-0.000 χ²/NDF:12926339.2/24
Right Out: 0.003+/-0.000 χ²/NDF: 13543711.9/38
Left In: 0.002+/-0.000 χ²/NDF:10766932.4/22
Left: 0.002+/-0.000 χ²/NDF: 23695843.2/47
Right: 0.003+/-0.000 χ²/NDF: 26411371.0/72
In: 0.002+/-0.000 χ²/NDF:25947141.6/56
Out: 0.002+/-0.000 χ²/NDF:29047387.7/63
All: 0.002+/-0.000 χ²/NDF: 55000886.5/120

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

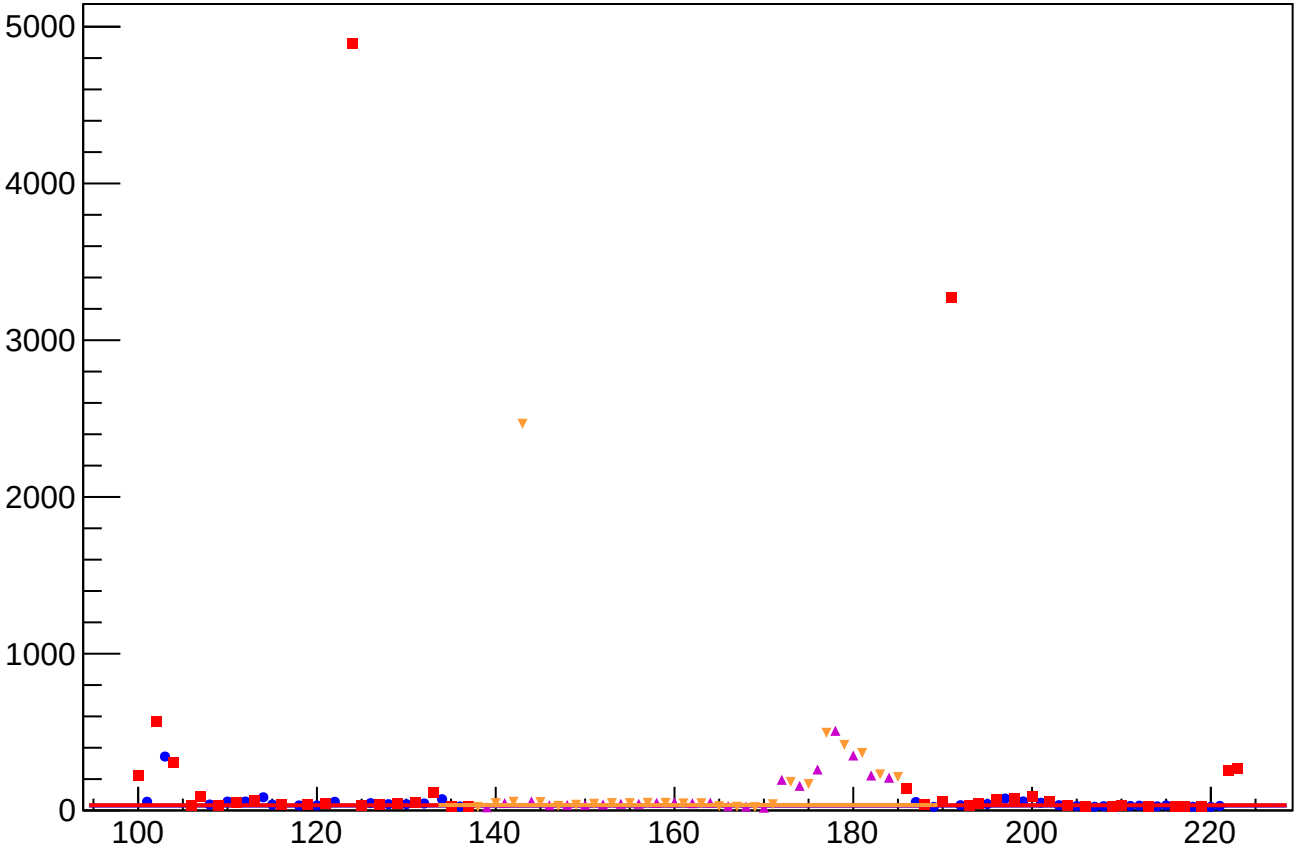
Right: 0.007+/-0.006 χ^2/NDF: 76.7/72

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.4/63

All: 0.007+/-0.004 χ^2/NDF: 119.8/120

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

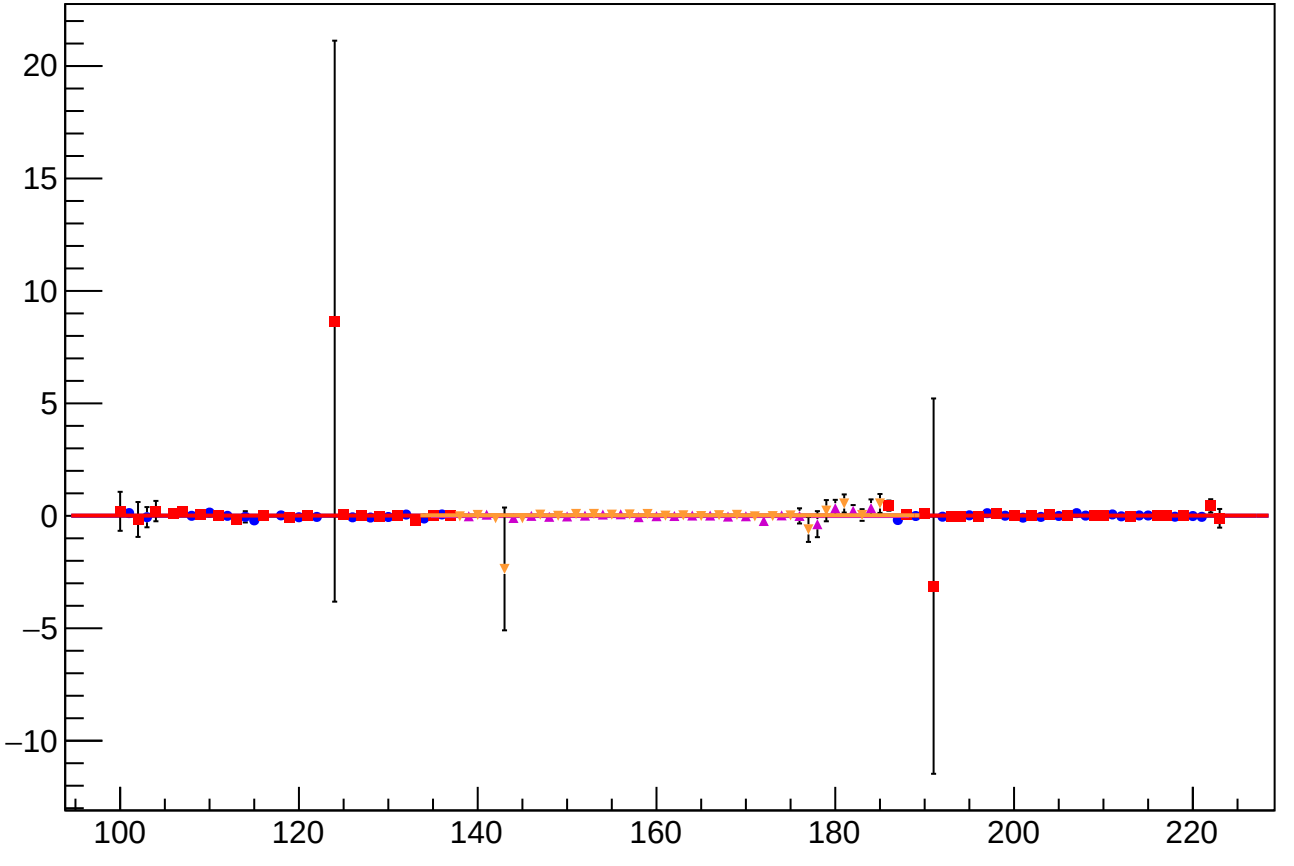
Right: 32.067+/-0.004 χ^2/NDF: 12867893.9/72

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.737+/-0.005 χ^2/NDF:20058954.7/63

All: 32.860+/-0.003 χ^2/NDF: 34445866.6/120

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

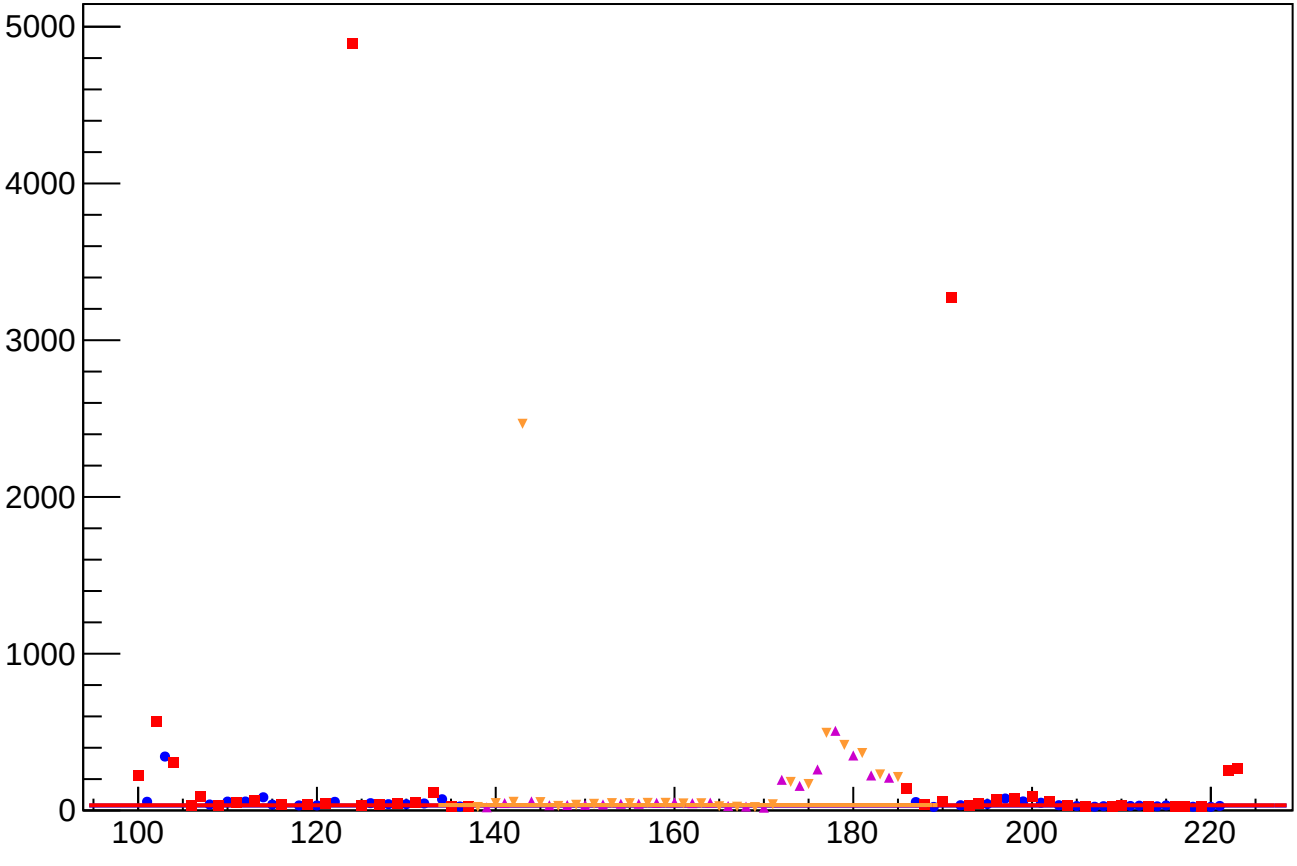
Right: 0.007+/-0.006 χ^2/NDF: 76.7/72

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:50.4/63

All: 0.007+/-0.004 χ^2/NDF: 119.8/120

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

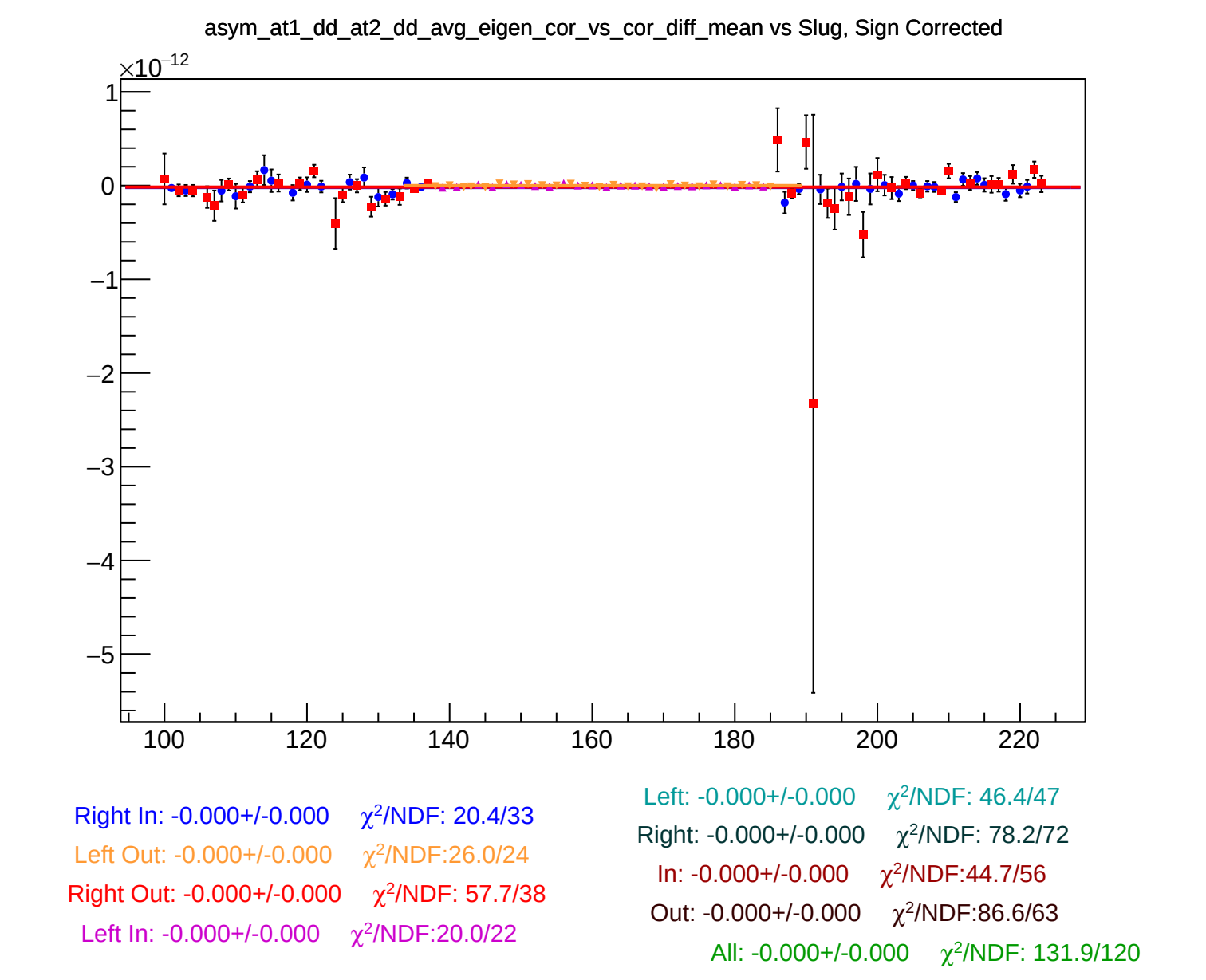
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 32.067+/-0.004 χ^2/NDF: 12867893.9/72

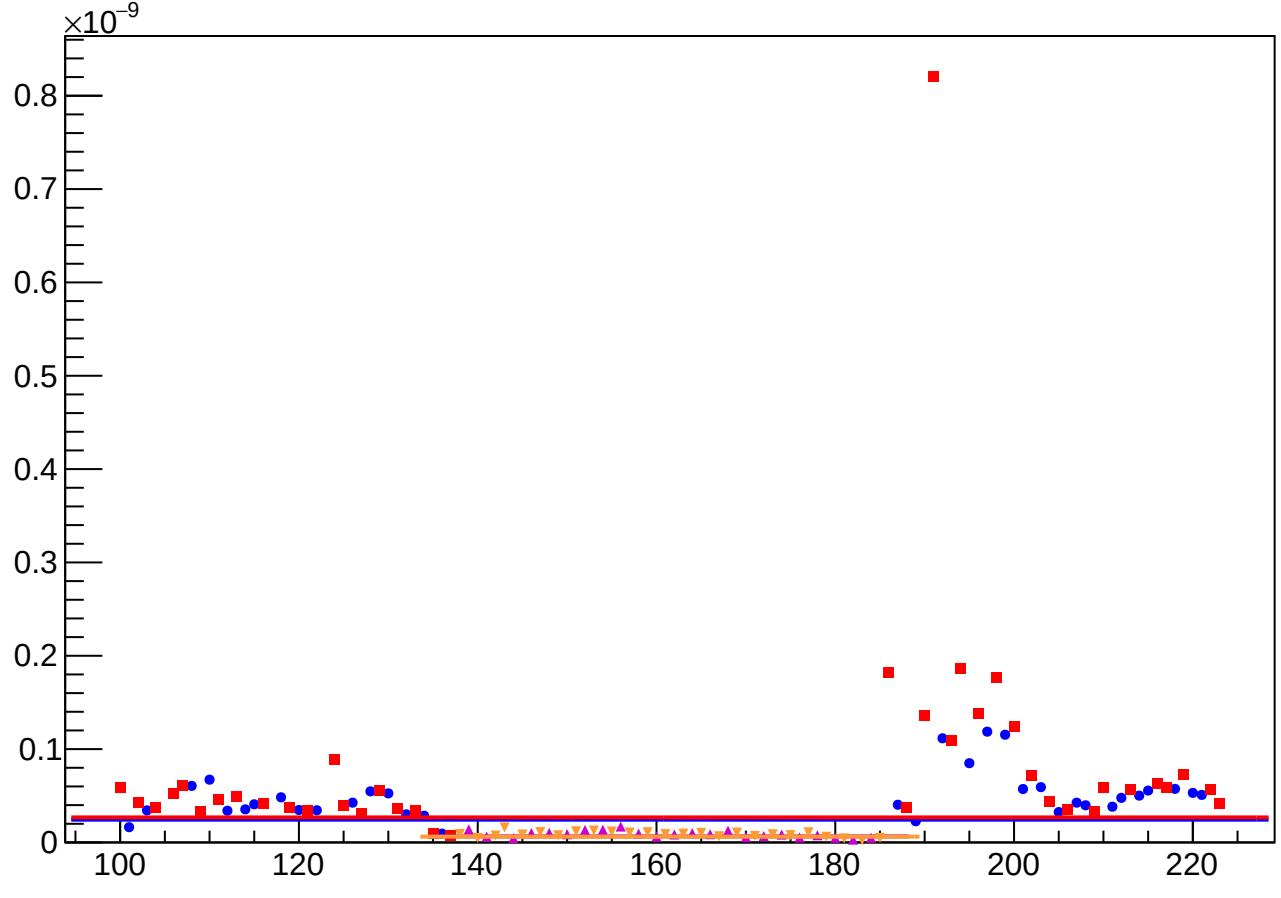
In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.737+/-0.005 χ^2/NDF:20058954.7/63

All: 32.860+/-0.003 χ^2/NDF: 34445866.6/120


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 20.4/33
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 57.7/38
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 78.2/72
In: -0.000+/-0.000 χ²/NDF:44.7/56
Out: -0.000+/-0.000 χ²/NDF:86.6/63
All: -0.000+/-0.000 χ²/NDF: 131.9/120

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

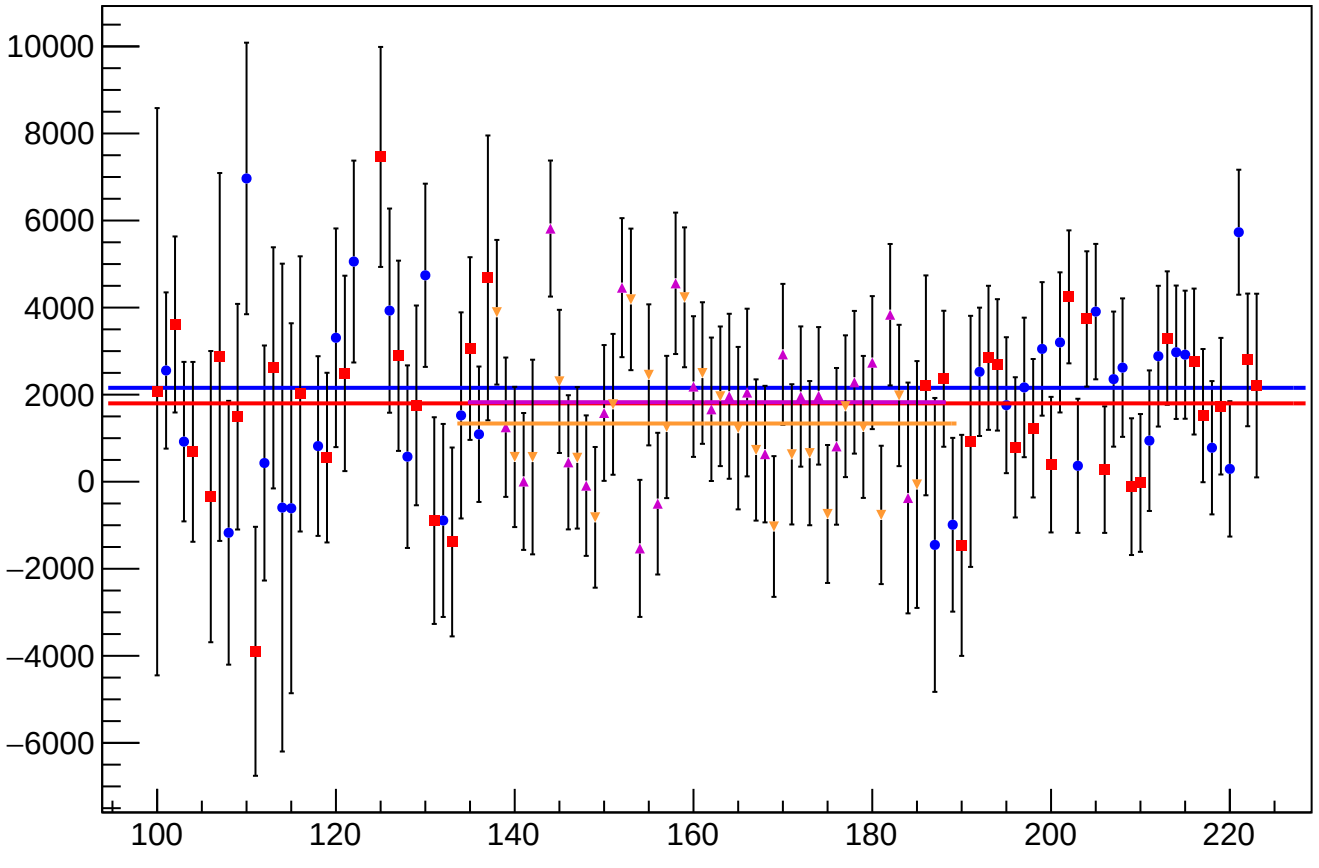
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 21691318.5/72

In: 0.000+/-0.000 χ^2/NDF:21914249.1/56

Out: 0.000+/-0.000 χ^2/NDF:26166533.9/63

All: 0.000+/-0.000 χ^2/NDF: 48125476.2/120



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

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

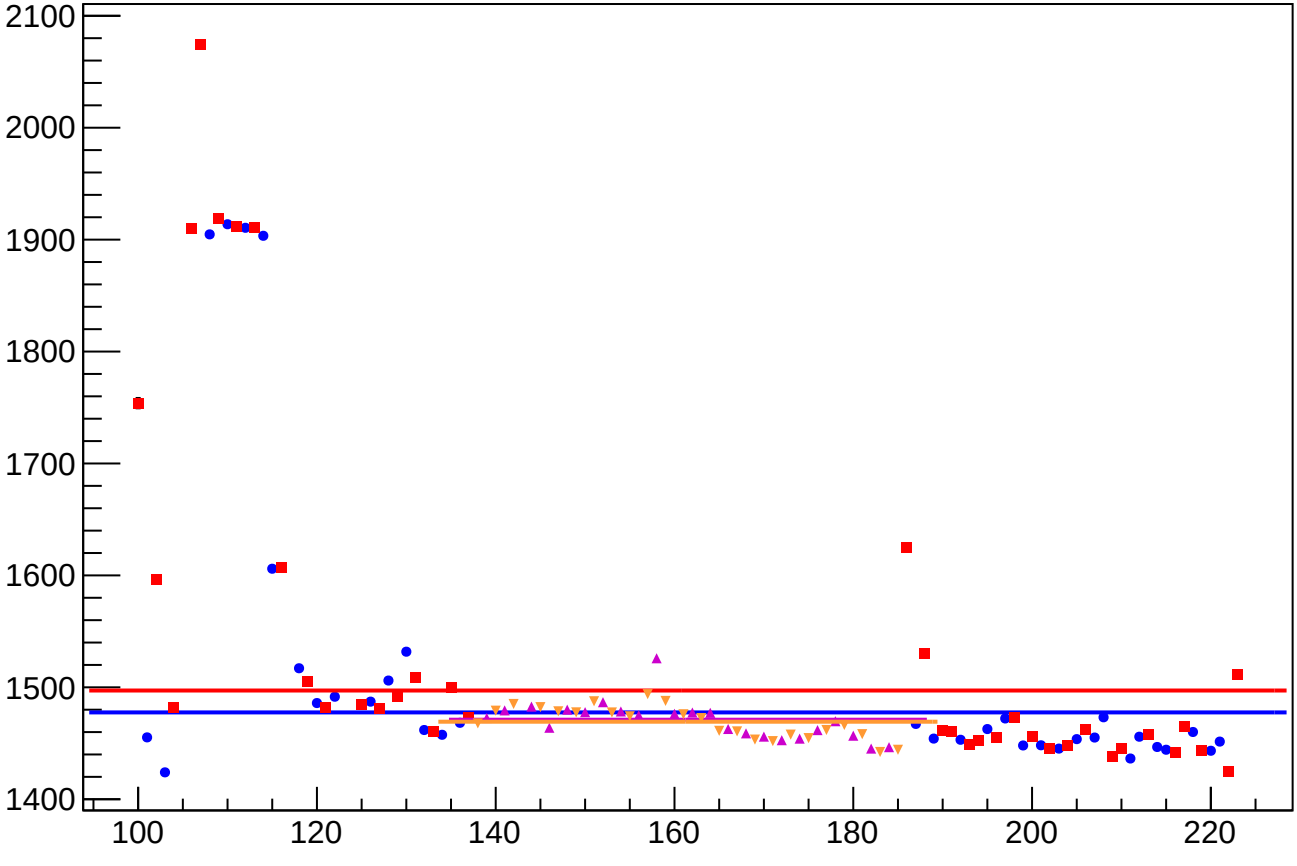
Right: 1978.051+/-222.529 χ^2/NDF: 59.9/71

In: 2006.007+/-232.097 χ^2/NDF:56.4/56

Out: 1586.989+/-231.213 χ^2/NDF:50.0/61

All: 1795.698+/-163.804 χ^2/NDF: 108.0/118

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

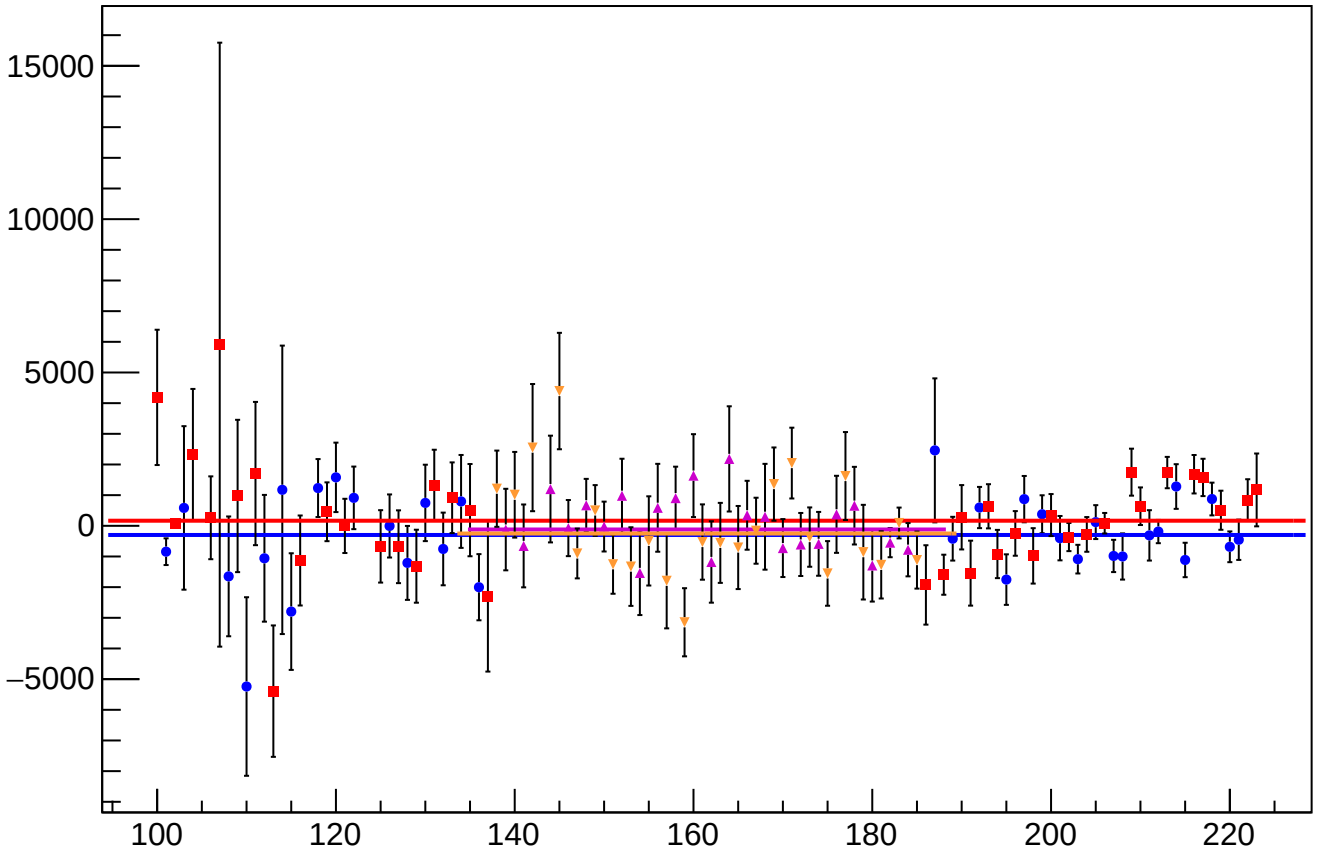
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1487.370+/-0.157 χ^2/NDF: 416089.8/71

In: 1474.599+/-0.164 χ^2/NDF:163225.8/56

Out: 1484.328+/-0.163 χ^2/NDF:264409.9/61

All: 1479.482+/-0.116 χ^2/NDF: 429399.5/118



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

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

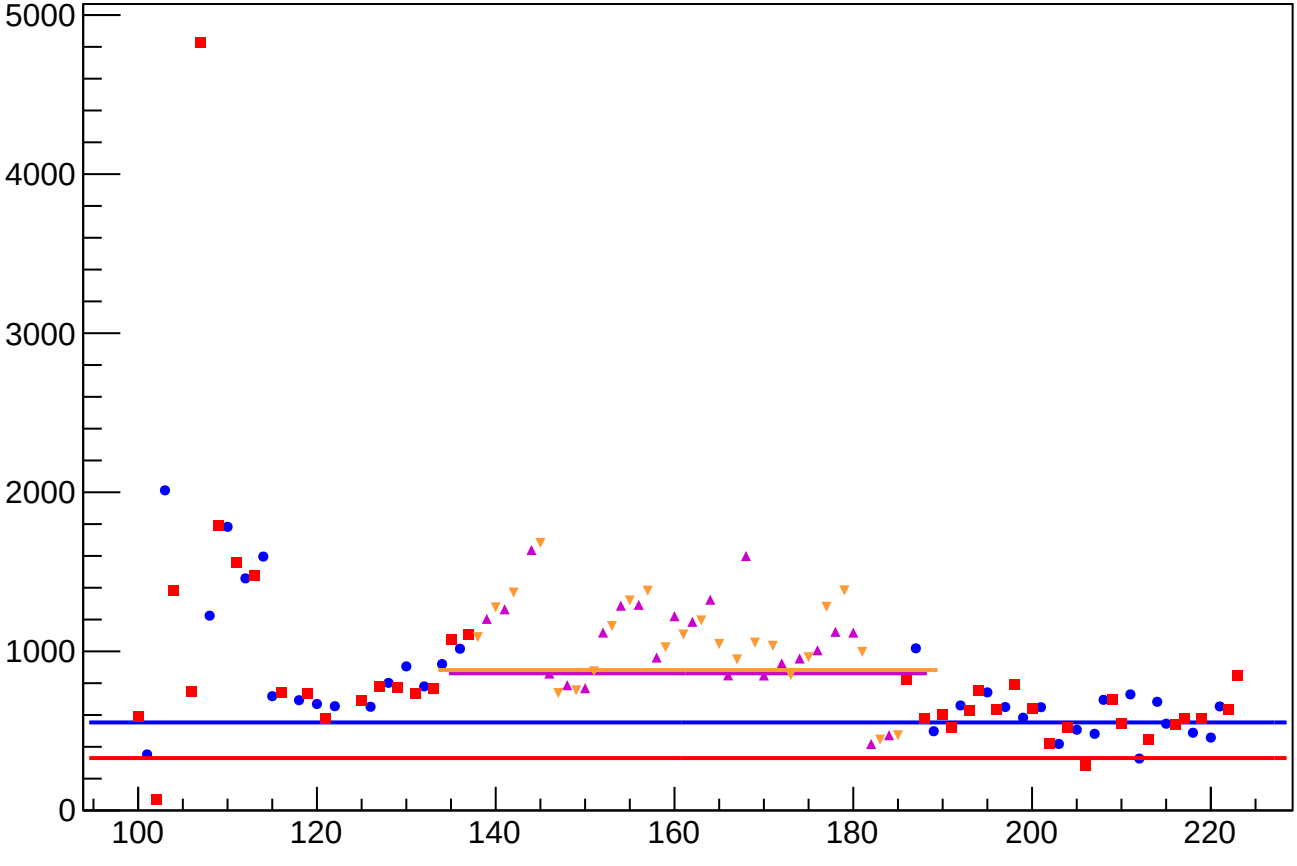
Right: -0.979+/-76.131 χ^2/NDF: 120.0/71

In: -252.732+/-109.395 χ^2/NDF:59.9/56

Out: 99.744+/-87.242 χ^2/NDF:100.6/61

All: -37.283+/-68.208 χ^2/NDF: 166.9/118

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



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

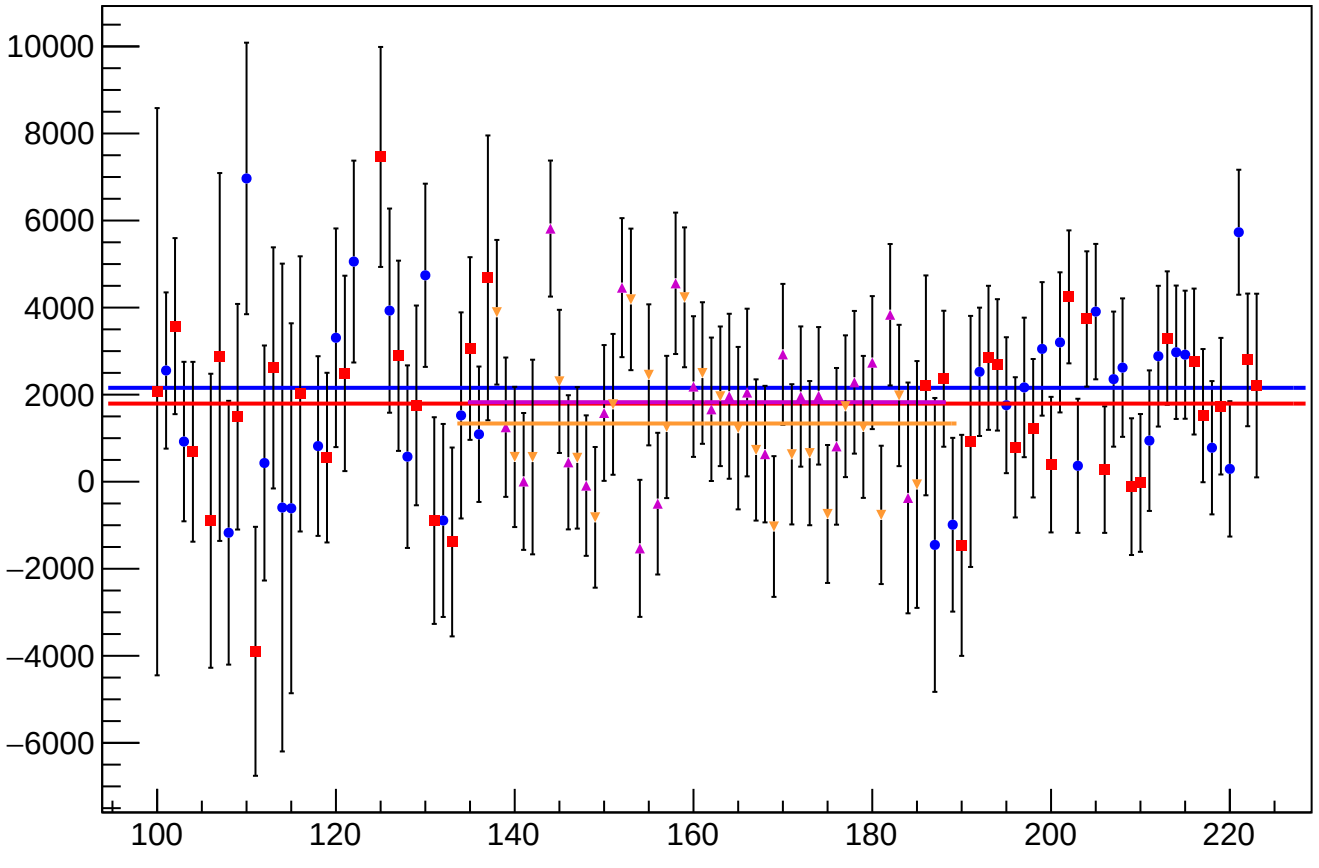
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 409.897+/-0.054 χ^2/NDF: 27148291.2/71

In: 632.566+/-0.077 χ^2/NDF:12064000.9/56

Out: 417.522+/-0.062 χ^2/NDF:33194045.6/61

All: 501.121+/-0.048 χ^2/NDF: 49982011.0/11



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

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

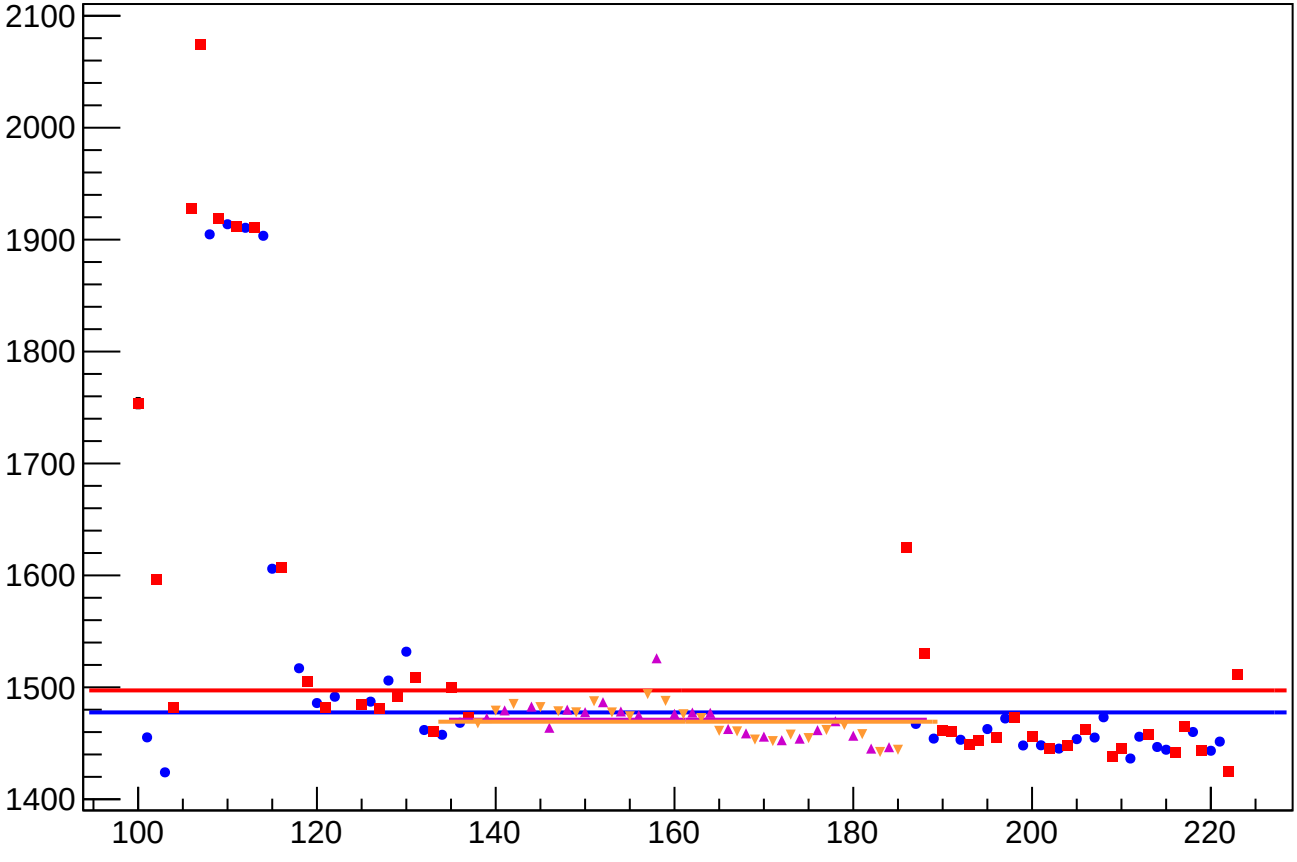
Right: 1975.404+/-222.539 χ^2/NDF: 60.1/71

In: 2006.057+/-232.097 χ^2/NDF:56.4/56

Out: 1584.069+/-231.224 χ^2/NDF:50.2/61

All: 1794.268+/-163.808 χ^2/NDF: 108.2/118

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

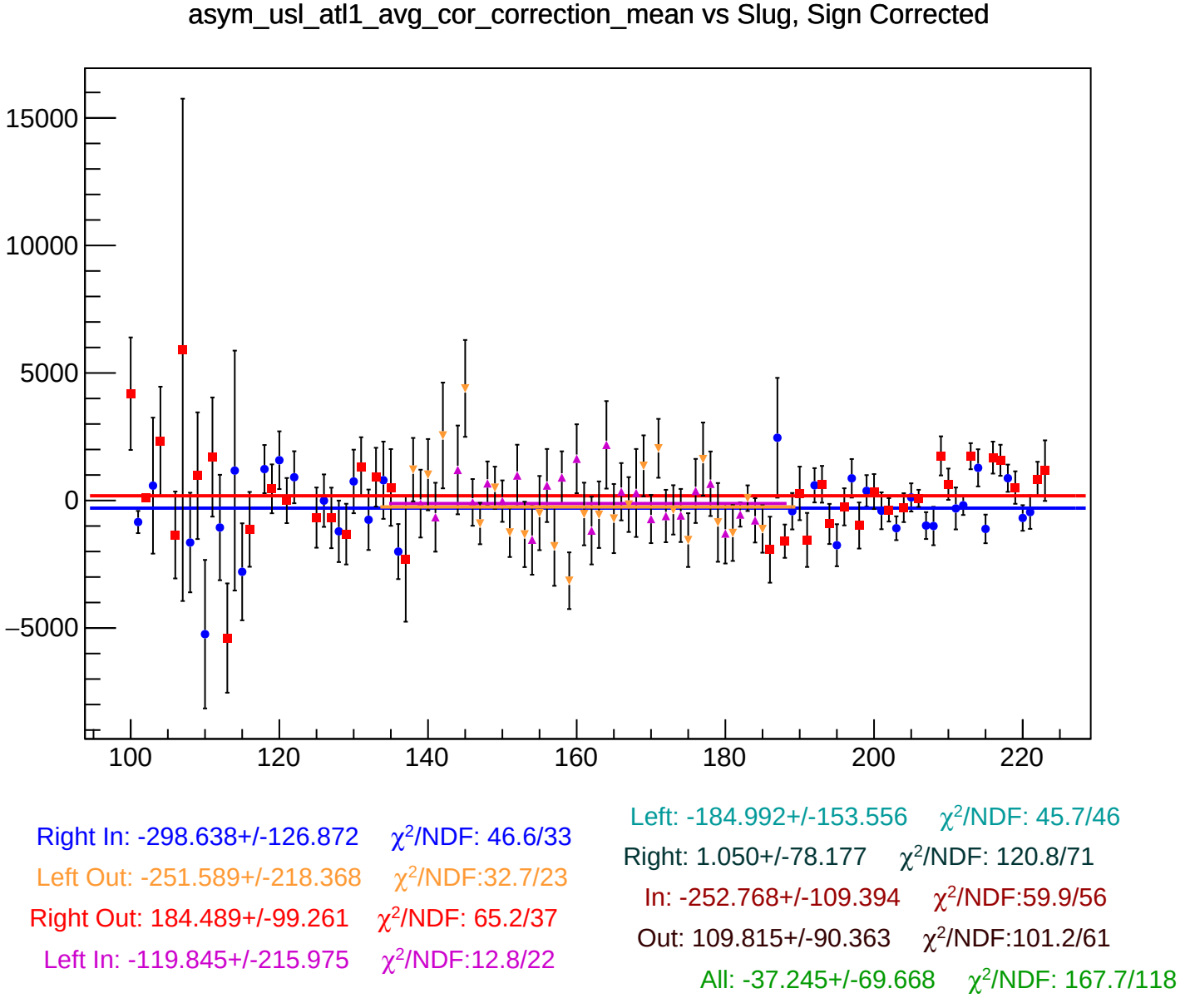
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1487.416+/-0.157 χ^2/NDF: 418276.9/71

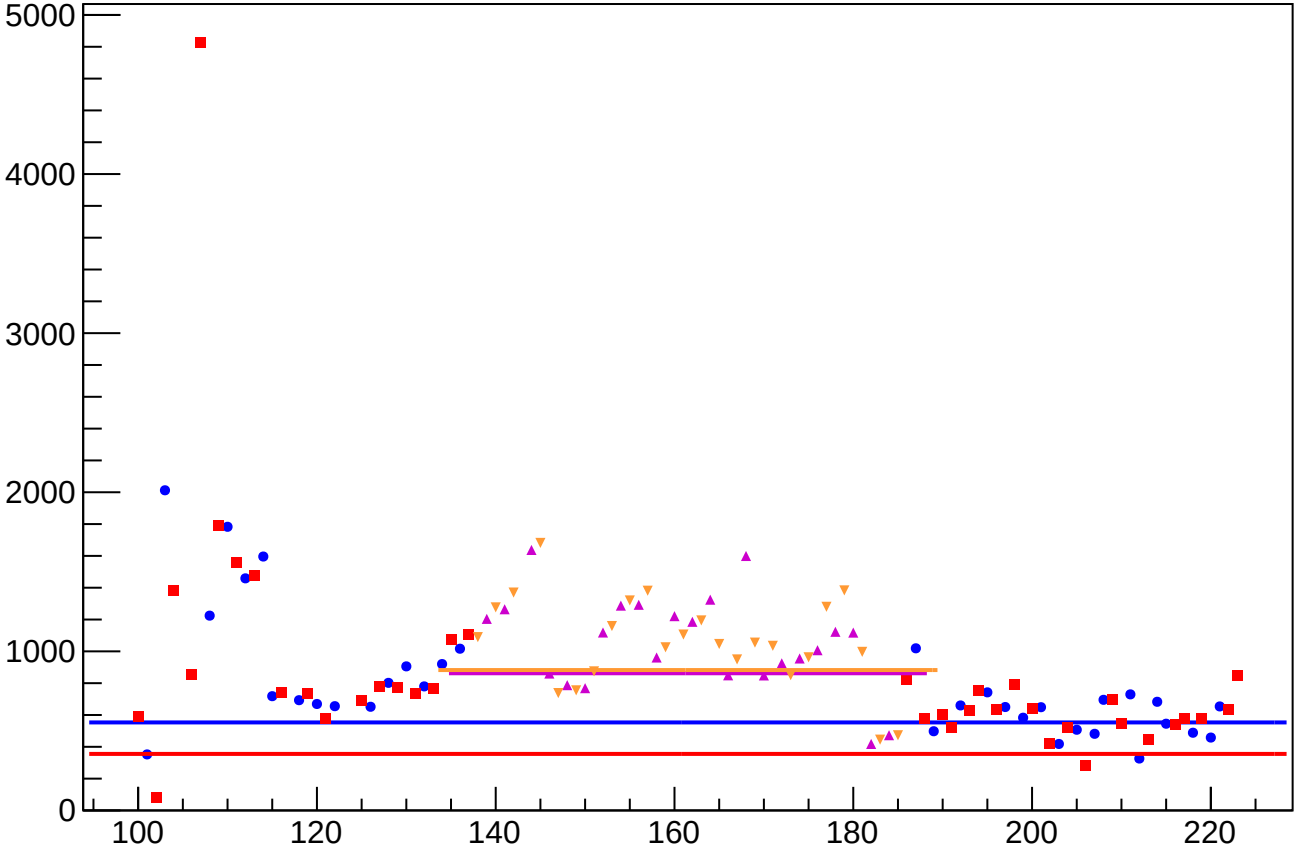
In: 1474.599+/-0.164 χ^2/NDF:163225.7/56

Out: 1484.378+/-0.163 χ^2/NDF:266608.3/61

All: 1479.507+/-0.116 χ^2/NDF: 431615.8/118


asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -298.638+/-126.872 χ²/NDF: 46.6/33
Left Out: -251.589+/-218.368 χ²/NDF:32.7/23
Right Out: 184.489+/-99.261 χ²/NDF: 65.2/37
Left In: -119.845+/-215.975 χ²/NDF:12.8/22
Left: -184.992+/-153.556 χ²/NDF: 45.7/46
Right: 1.050+/-78.177 χ²/NDF: 120.8/71
In: -252.768+/-109.394 χ²/NDF:59.9/56
Out: 109.815+/-90.363 χ²/NDF:101.2/61
All: -37.245+/-69.668 χ²/NDF: 167.7/118

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



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

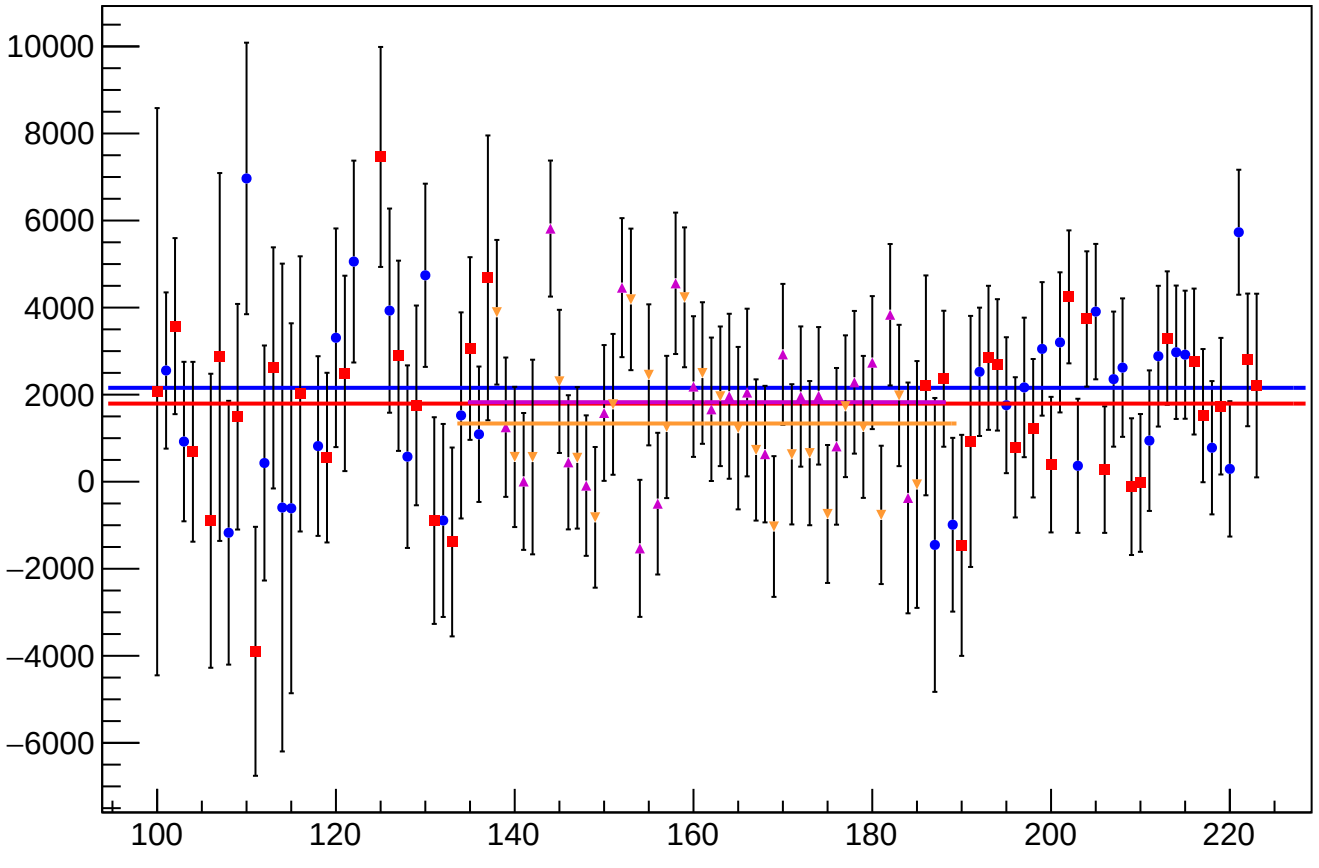
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 430.534+/-0.055 χ^2/NDF: 24406043.5/71

In: 632.554+/-0.077 χ^2/NDF:12064851.9/56

Out: 445.652+/-0.064 χ^2/NDF:30293278.8/61

All: 521.457+/-0.049 χ^2/NDF: 45828373.5/1



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

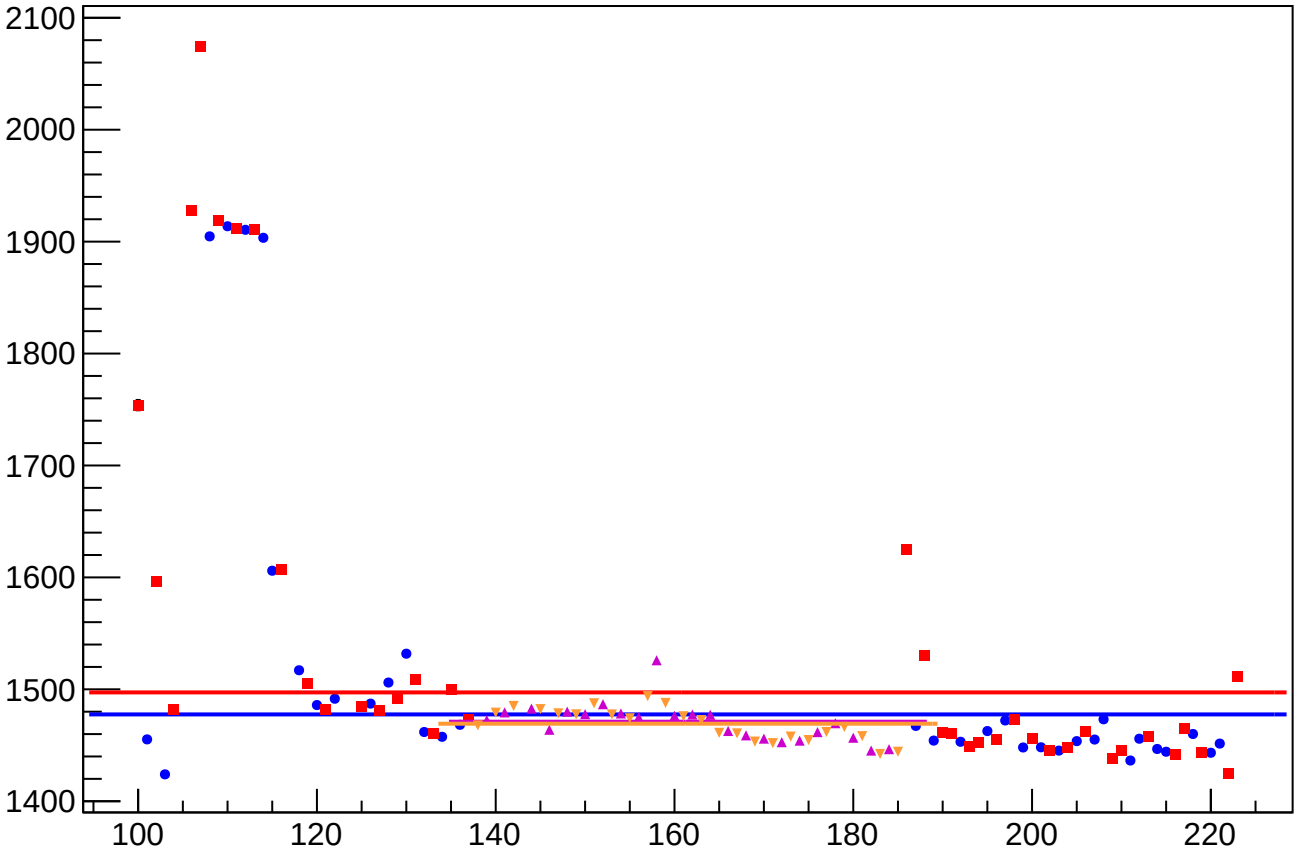
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1975.404+/-222.539 χ^2/NDF: 60.1/71

In: 2006.057+/-232.097 χ^2/NDF:56.4/56

Out: 1584.069+/-231.224 χ^2/NDF:50.2/61

All: 1794.268+/-163.808 χ^2/NDF: 108.2/118



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

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

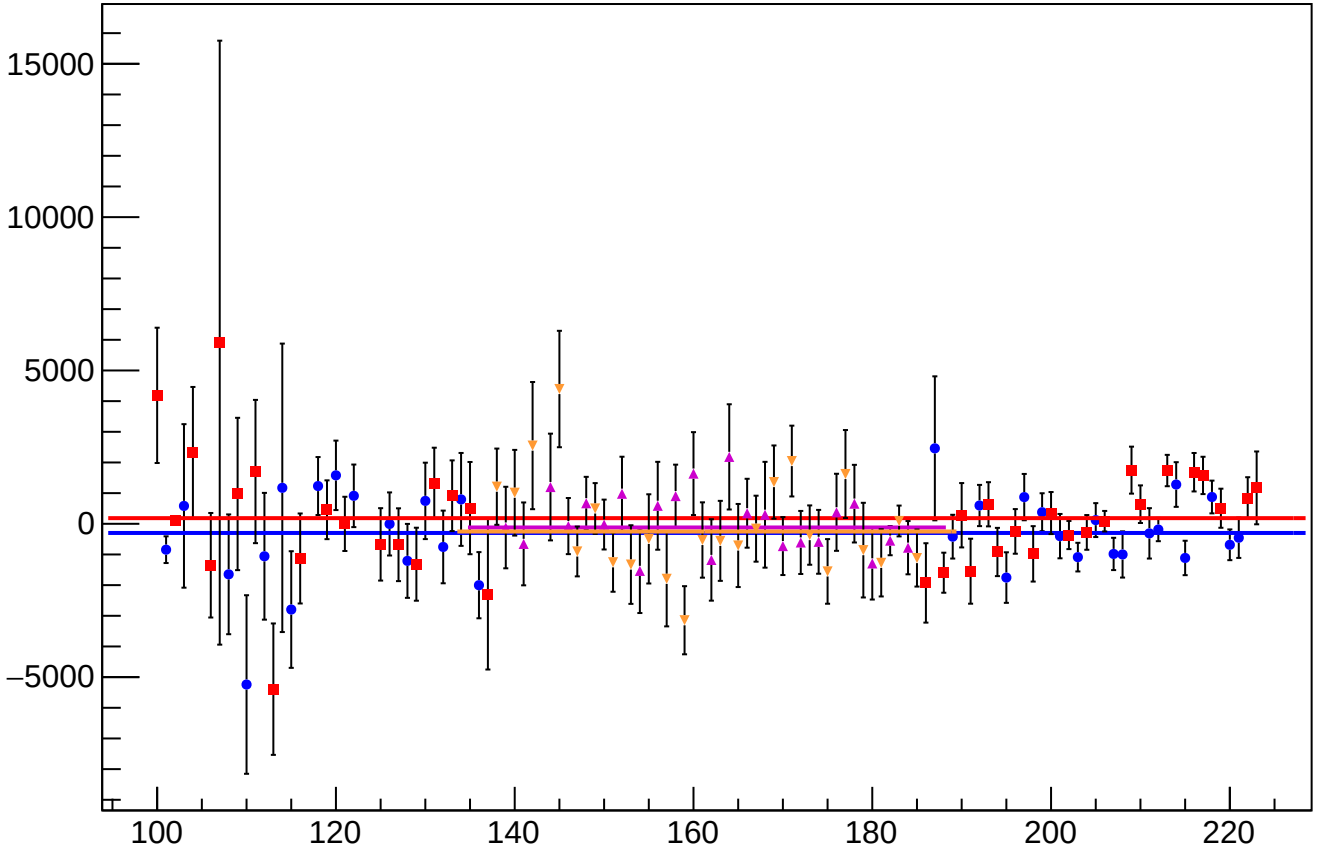
Right: 1487.416+/-0.157 χ^2/NDF: 418276.9/71

In: 1474.599+/-0.164 χ^2/NDF:163225.7/56

Out: 1484.378+/-0.163 χ^2/NDF:266608.3/61

All: 1479.507+/-0.116 χ^2/NDF: 431615.8/118

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

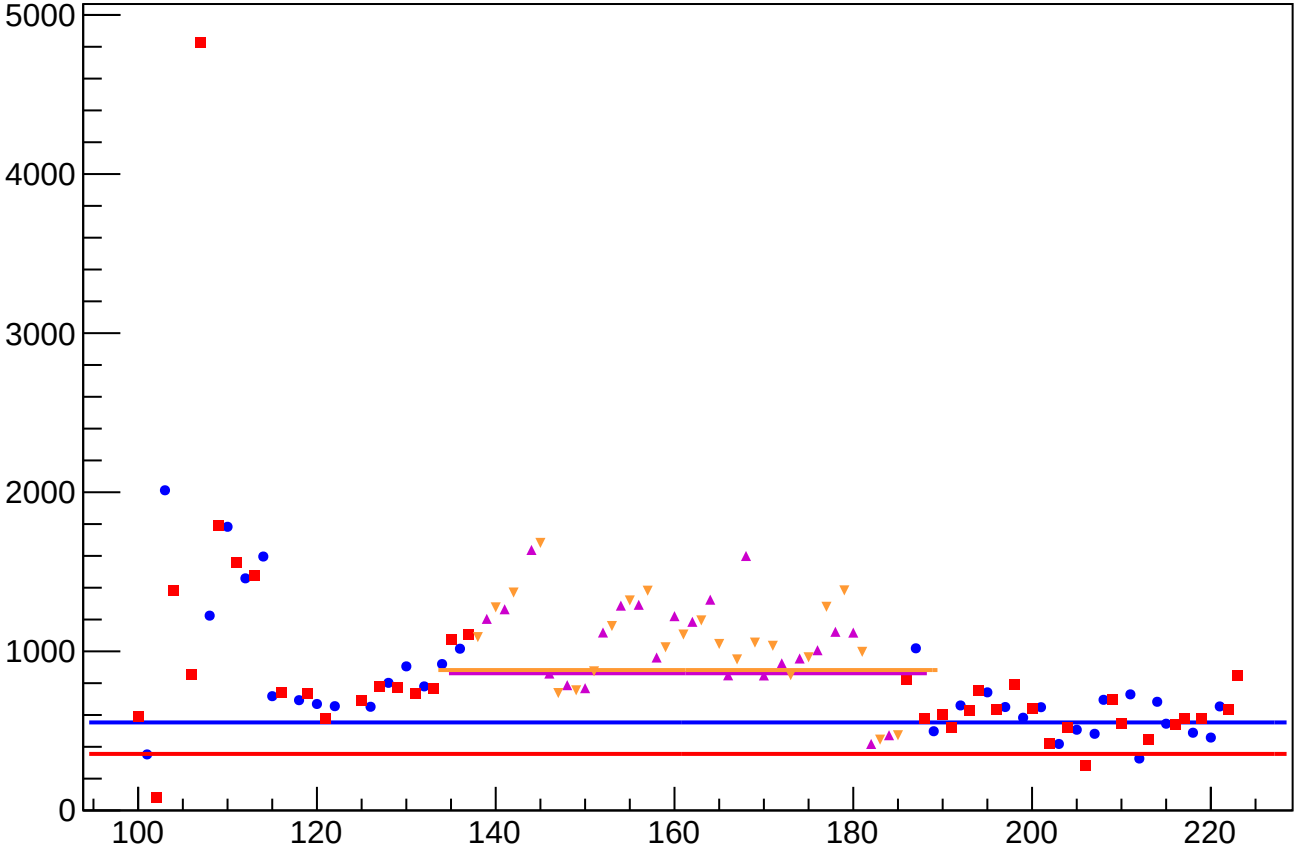
Right: 1.050+/-78.177 χ^2/NDF: 120.8/71

In: -252.768+/-109.394 χ^2/NDF:59.9/56

Out: 109.815+/-90.363 χ^2/NDF:101.2/61

All: -37.245+/-69.668 χ^2/NDF: 167.7/118

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

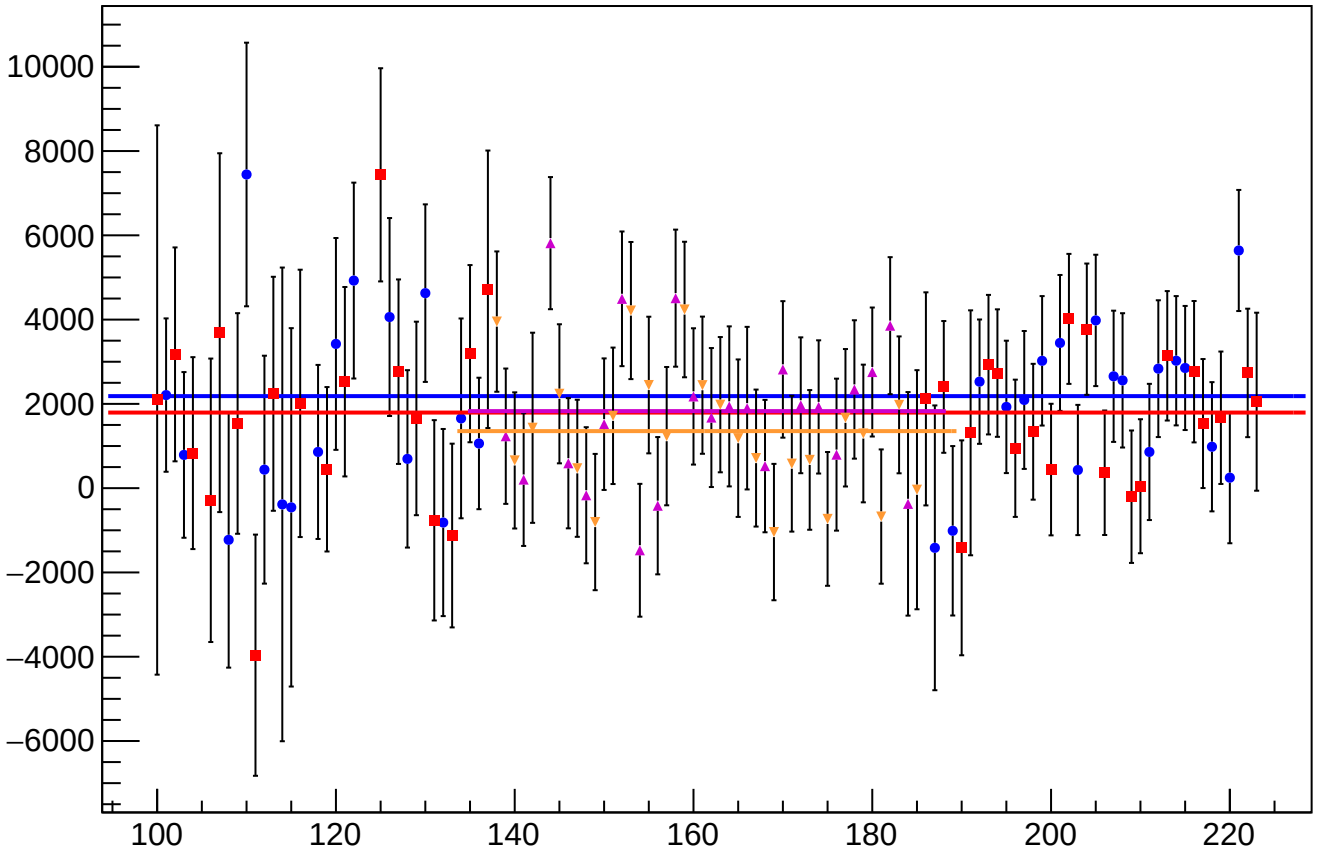
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 430.534+/-0.055 χ^2/NDF: 24406043.5/71

In: 632.554+/-0.077 χ^2/NDF:12064851.9/56

Out: 445.652+/-0.064 χ^2/NDF:30293278.8/61

All: 521.457+/-0.049 χ^2/NDF: 45828373.5/1



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

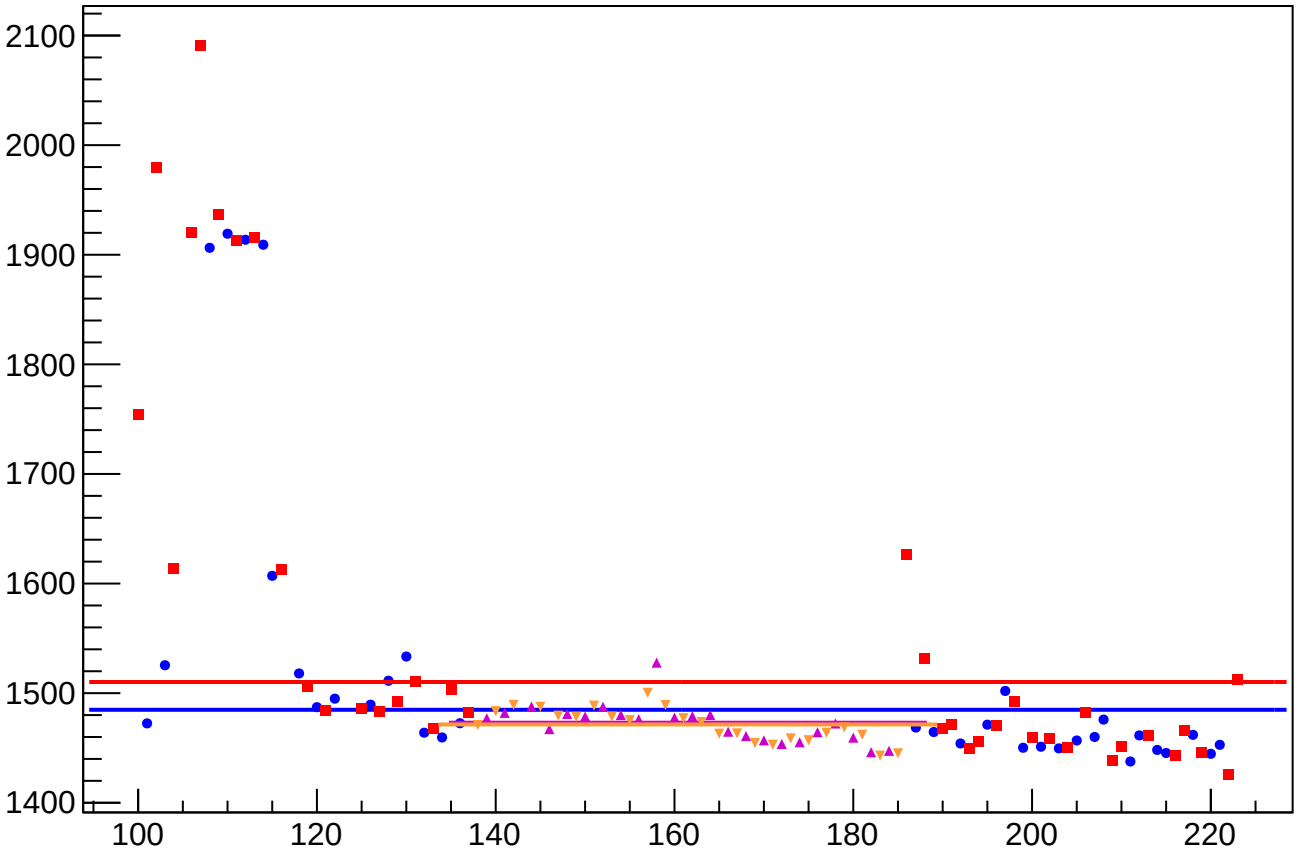
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1989.853+/-224.233 χ^2/NDF: 57.8/71

In: 2020.998+/-232.878 χ^2/NDF:55.6/56

Out: 1589.651+/-232.664 χ^2/NDF:47.6/61

All: 1805.126+/-164.594 χ^2/NDF: 105.0/118



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

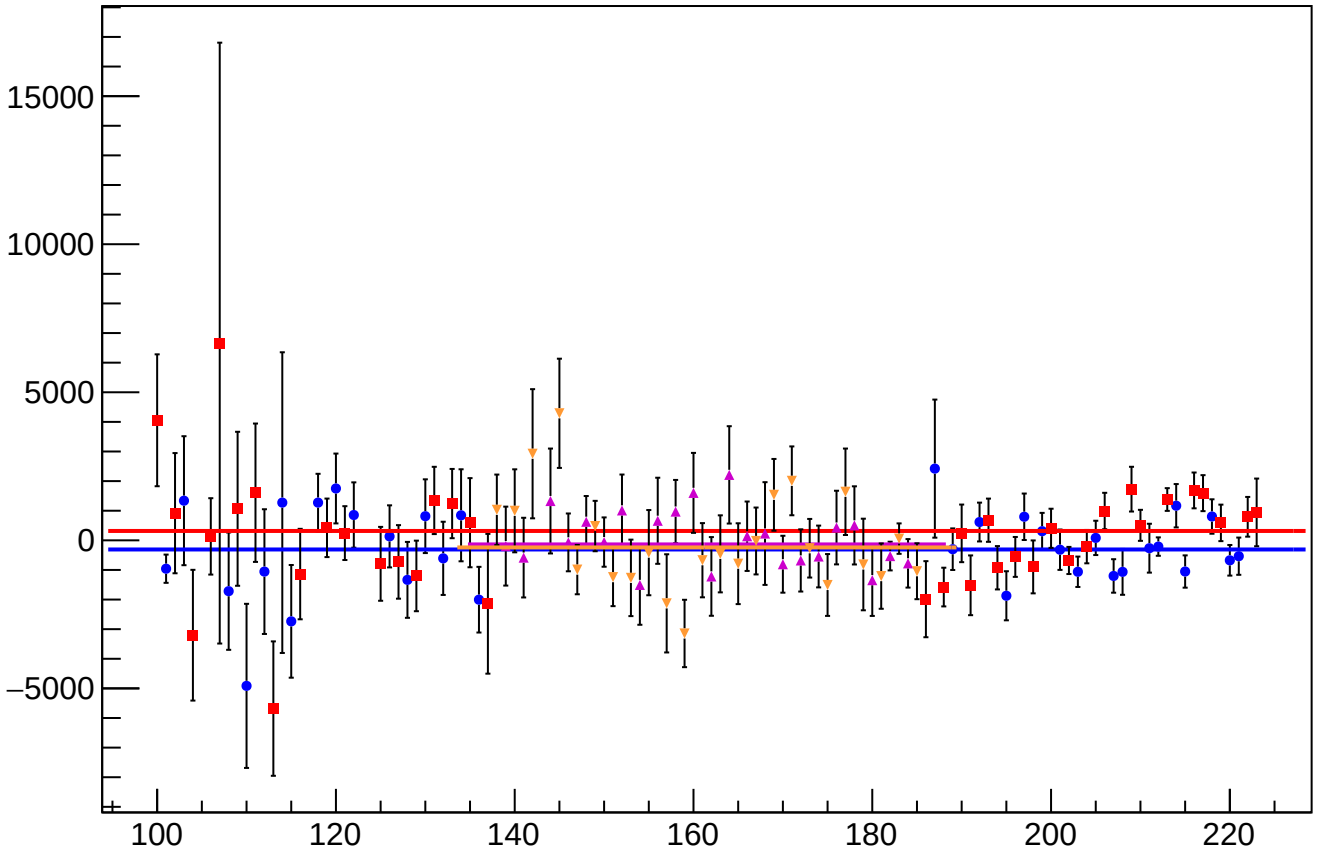
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1497.466+/-0.159 χ^2/NDF: 488419.6/71

In: 1479.434+/-0.165 χ^2/NDF:163070.8/56

Out: 1492.215+/-0.165 χ^2/NDF:342220.2/61

All: 1485.830+/-0.116 χ^2/NDF: 508306.0/118



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

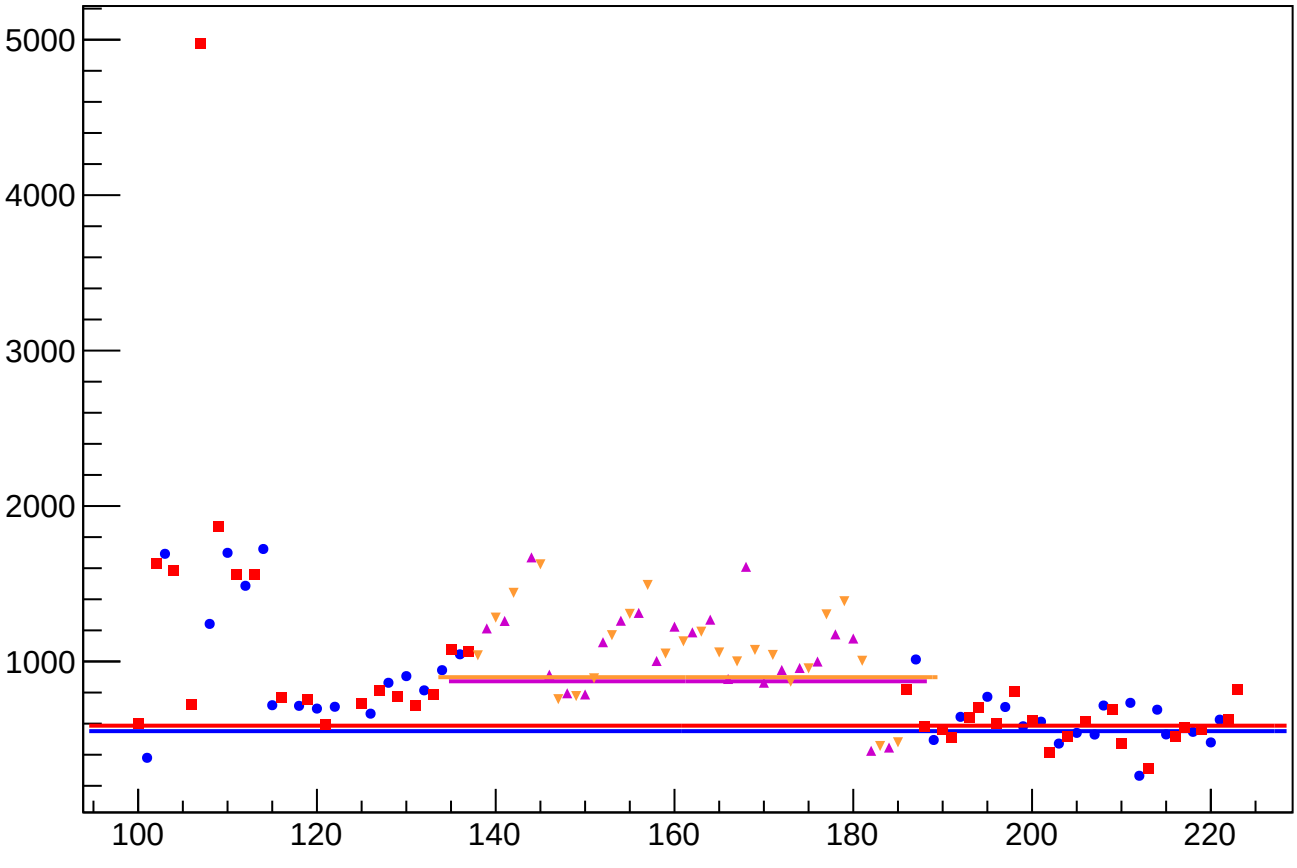
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -10.689+/-91.559 χ^2/NDF: 127.0/71

In: -265.985+/-109.518 χ^2/NDF:58.7/56

Out: 169.916+/-113.817 χ^2/NDF:107.2/61

All: -56.422+/-78.917 χ^2/NDF: 173.5/118



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

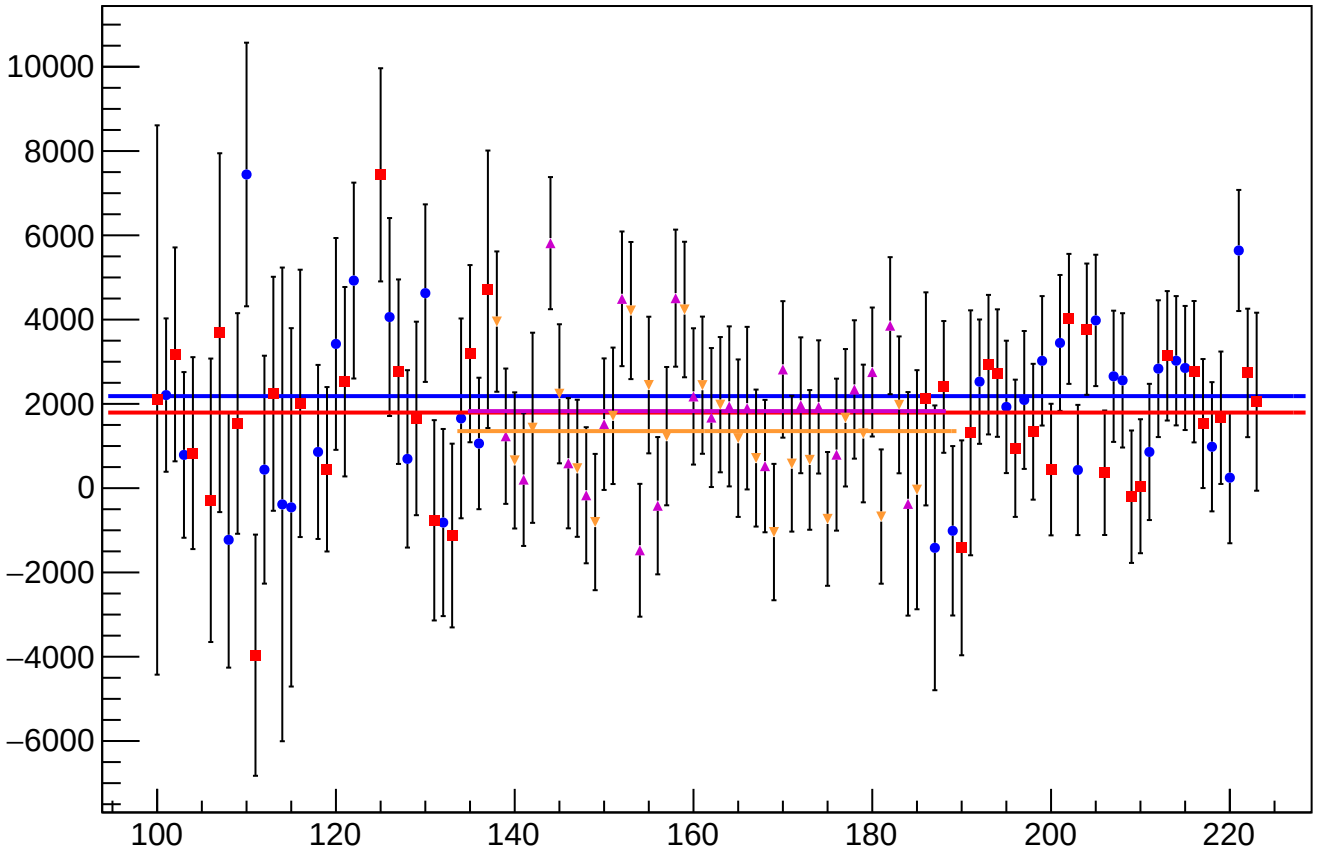
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 568.513+/-0.065 χ^2/NDF: 10453472.5/71

In: 632.335+/-0.077 χ^2/NDF:13075289.6/56

Out: 669.069+/-0.080 χ^2/NDF:11672886.6/61

All: 649.995+/-0.056 χ^2/NDF: 24856352.7/1



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

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

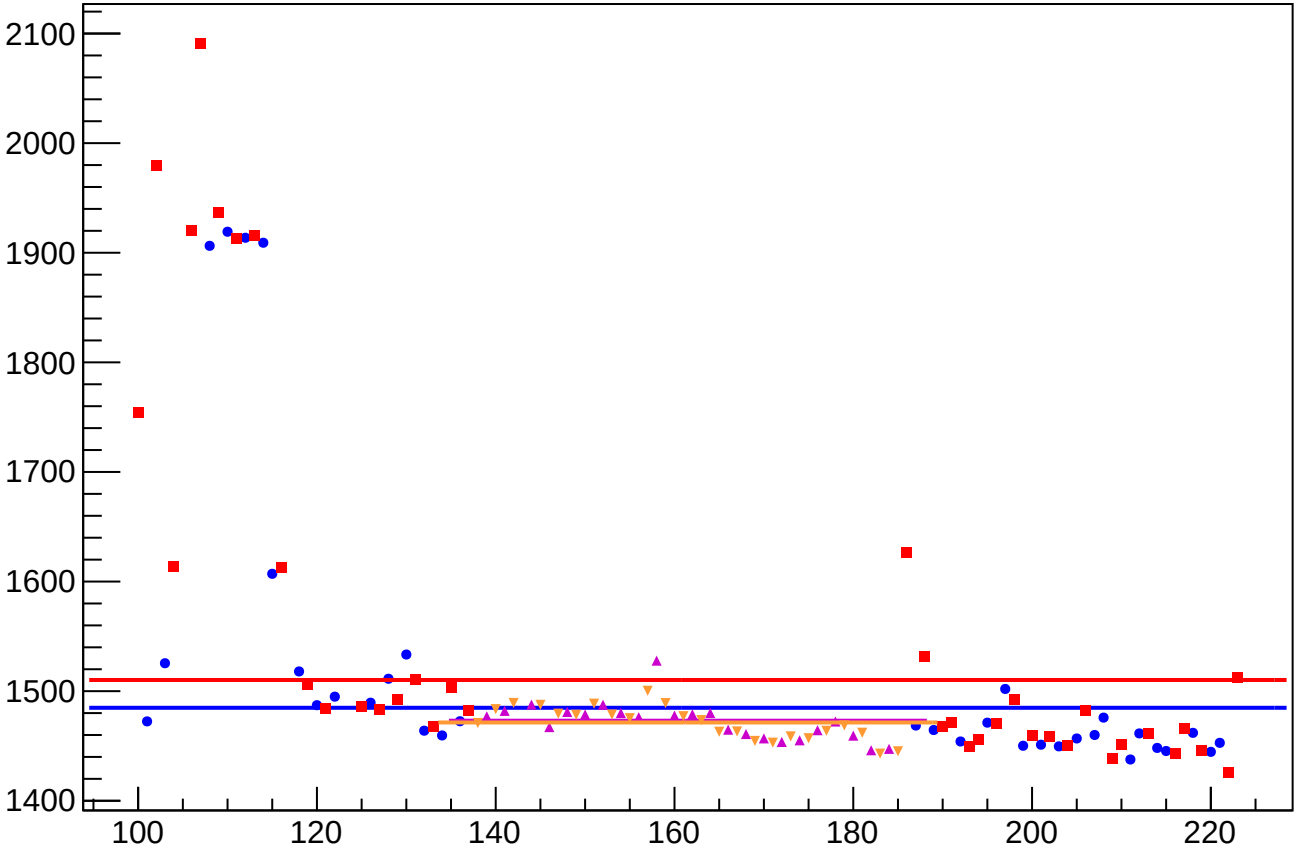
Right: 1989.852+/-224.233 χ^2/NDF: 57.8/71

In: 2020.998+/-232.878 χ^2/NDF:55.6/56

Out: 1589.650+/-232.664 χ^2/NDF:47.6/61

All: 1805.126+/-164.594 χ^2/NDF: 105.0/118

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

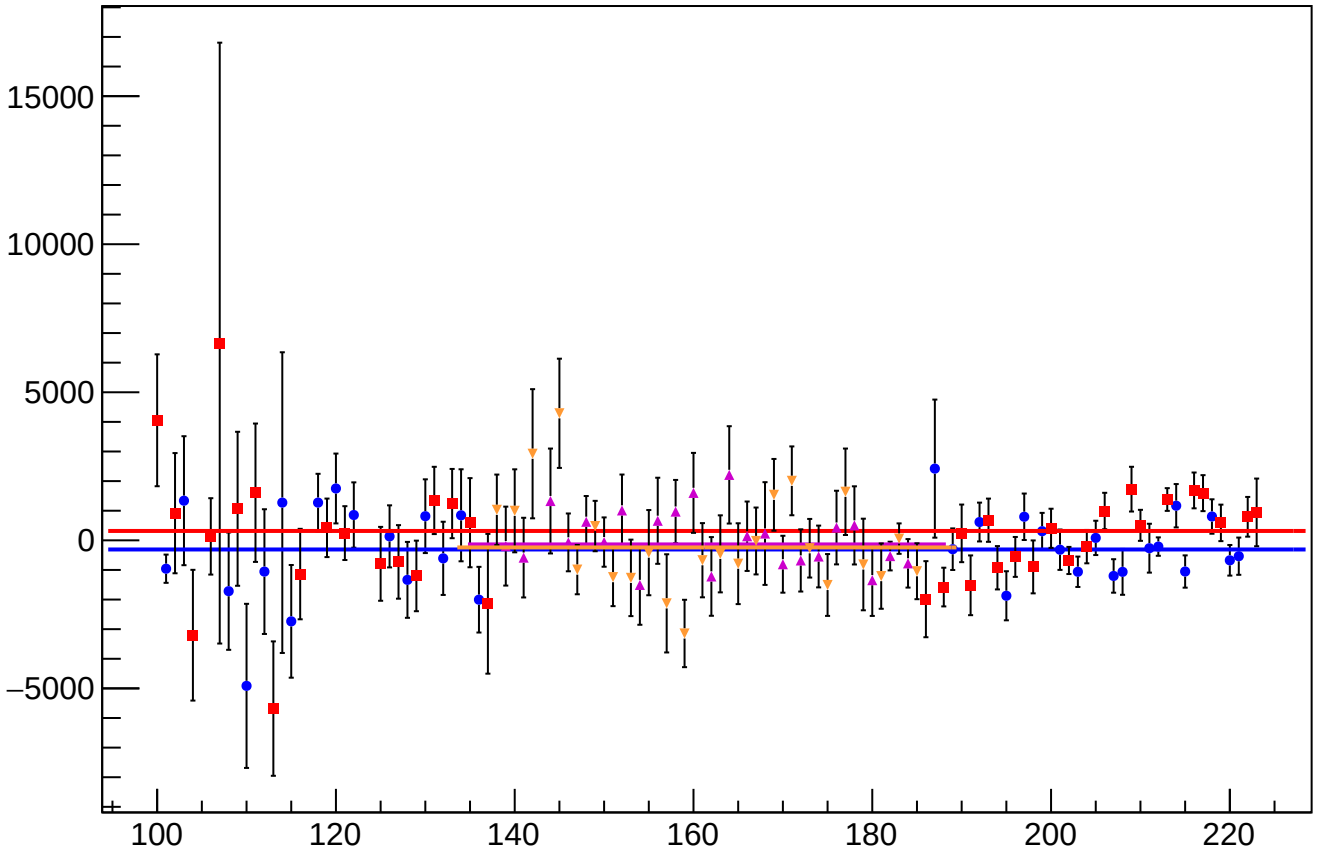
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1497.466+/-0.159 χ^2/NDF: 488418.9/71

In: 1479.434+/-0.165 χ^2/NDF:163070.6/56

Out: 1492.215+/-0.165 χ^2/NDF:342219.6/61

All: 1485.830+/-0.116 χ^2/NDF: 508305.3/118



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

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

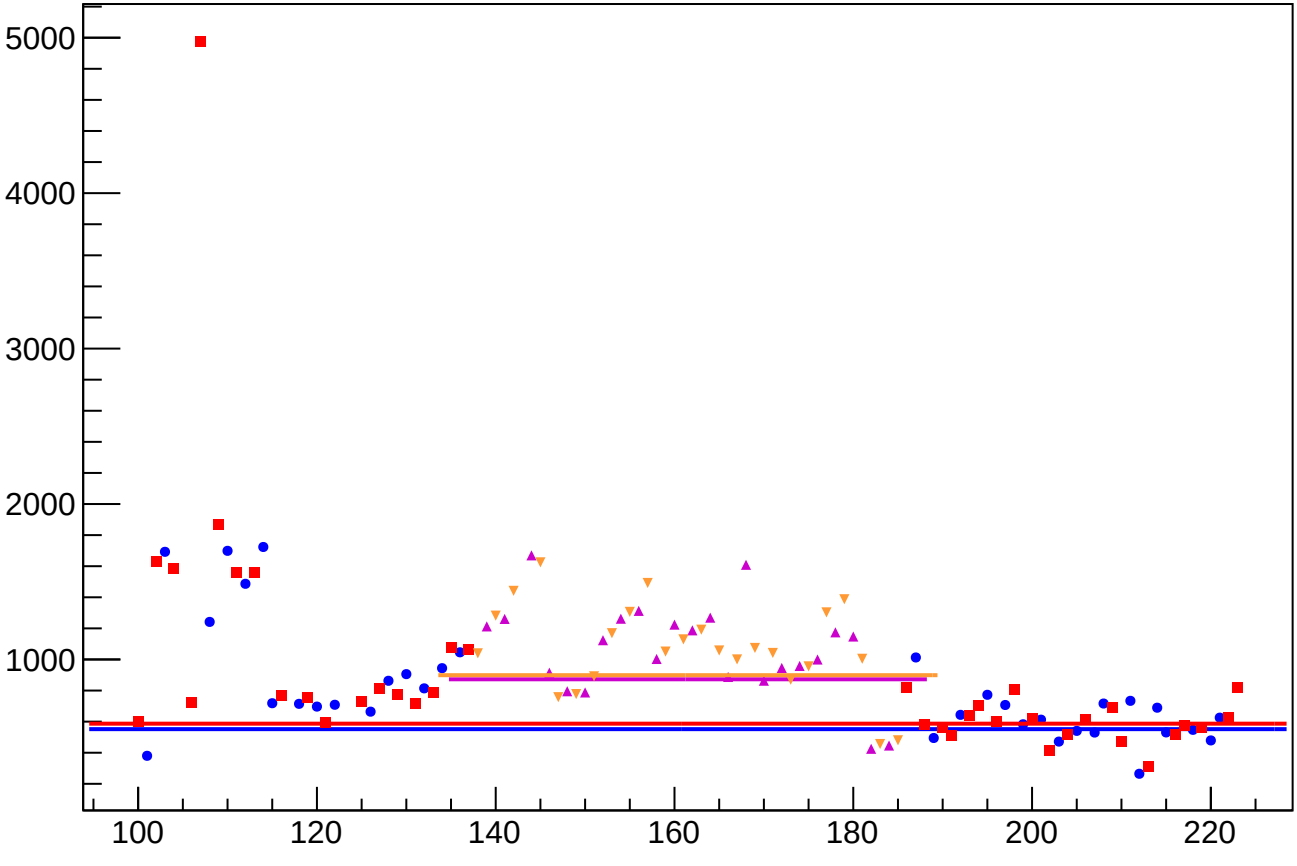
Right: -10.689+/-91.559 χ^2/NDF: 127.0/71

In: -265.985+/-109.518 χ^2/NDF:58.7/56

Out: 169.916+/-113.817 χ^2/NDF:107.2/61

All: -56.422+/-78.917 χ^2/NDF: 173.5/118

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

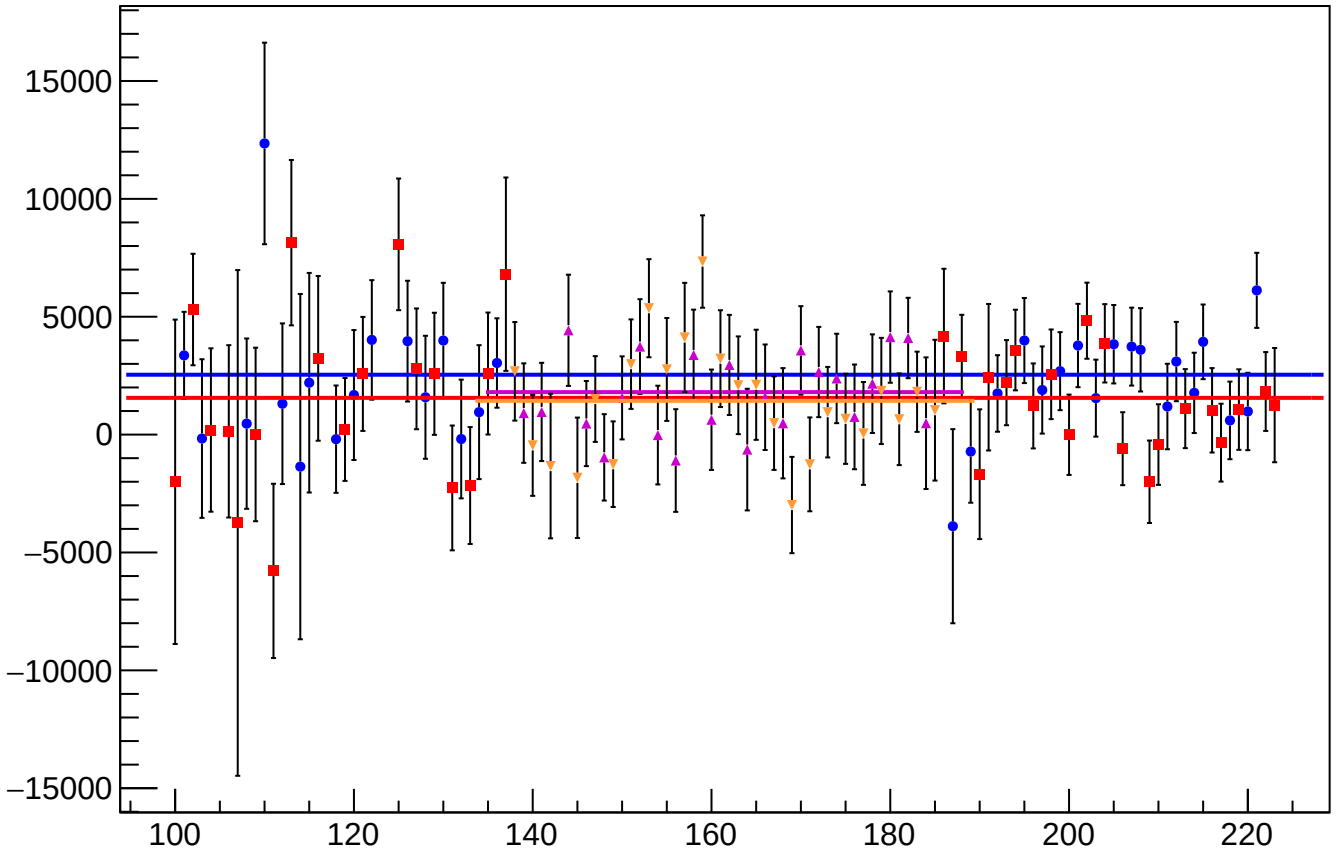
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 568.513+/-0.065 χ^2/NDF: 10453466.6/71

In: 632.335+/-0.077 χ^2/NDF:13075301.7/56

Out: 669.070+/-0.080 χ^2/NDF:11672897.0/61

All: 649.996+/-0.056 χ^2/NDF: 24856375.9/11



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

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

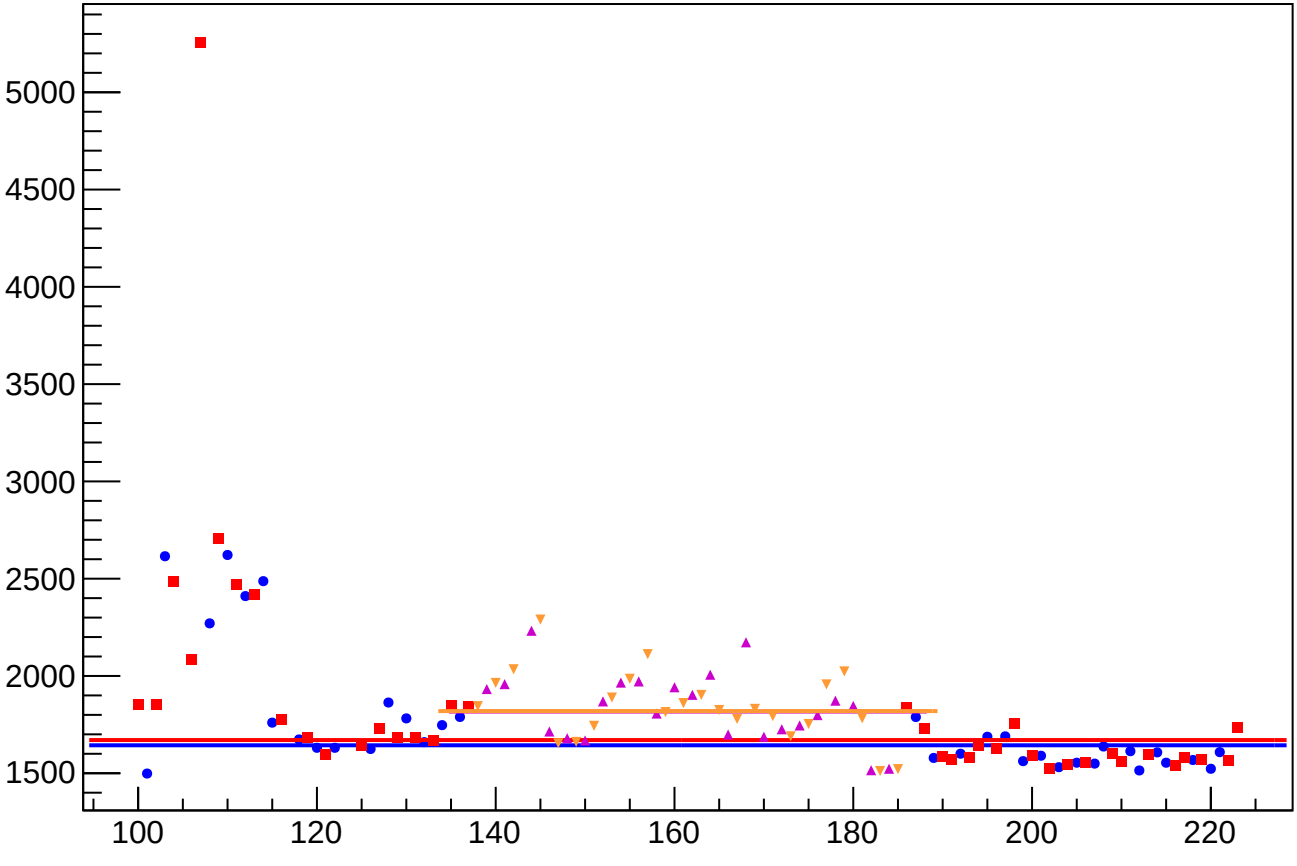
Right: 2051.551+/-249.556 χ^2/NDF: 76.8/71

In: 2240.775+/-271.547 χ^2/NDF:45.2/56

Out: 1507.230+/-271.727 χ^2/NDF:74.2/61

All: 1874.244+/-192.076 χ^2/NDF: 123.1/118

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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

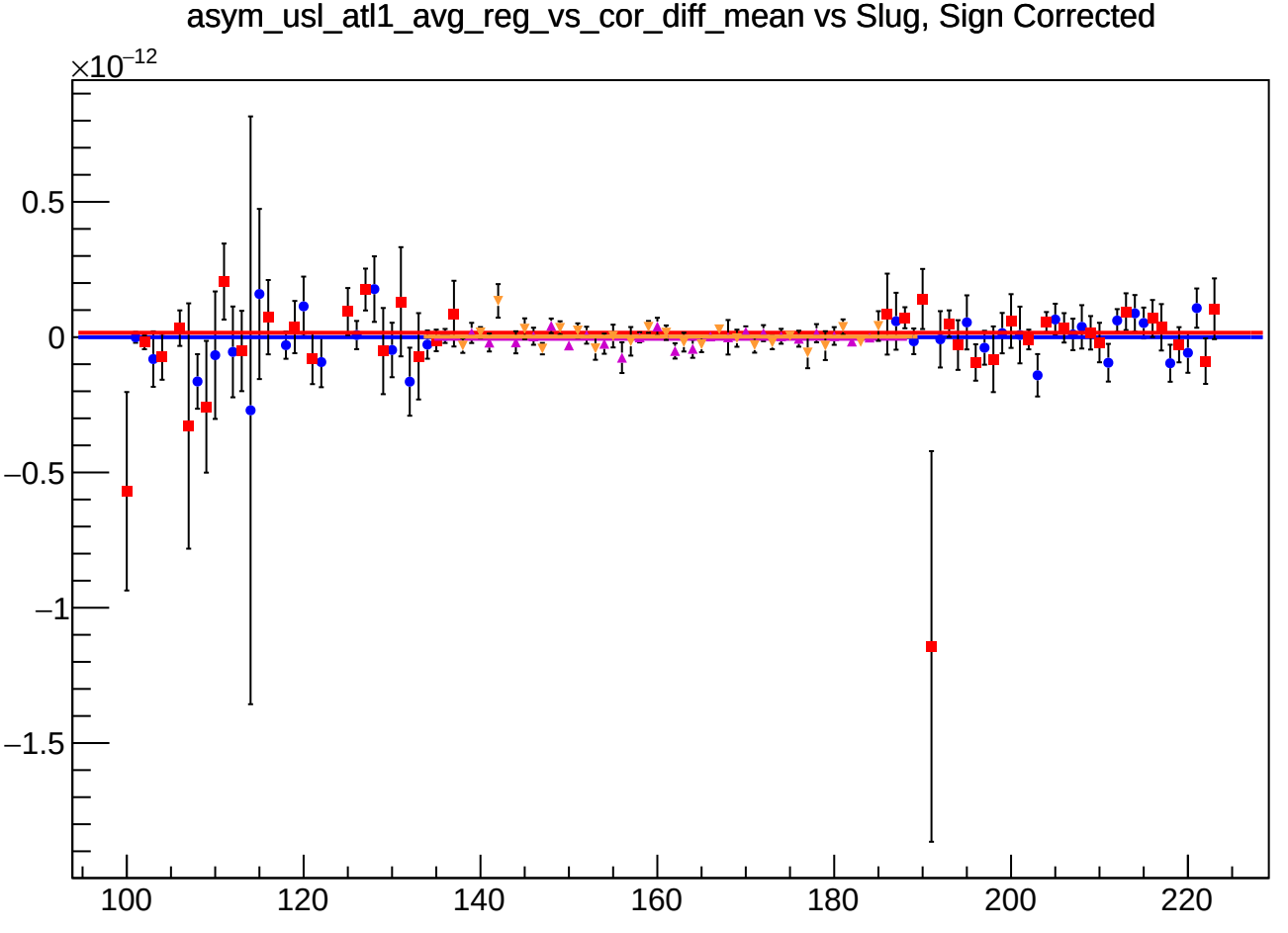
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1657.076+/-0.176 χ^2/NDF: 1436239.3/71

In: 1713.995+/-0.192 χ^2/NDF:1084990.6/56

Out: 1731.588+/-0.192 χ^2/NDF:1289381.7/61

All: 1722.786+/-0.136 χ^2/NDF: 2378566.9/11



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

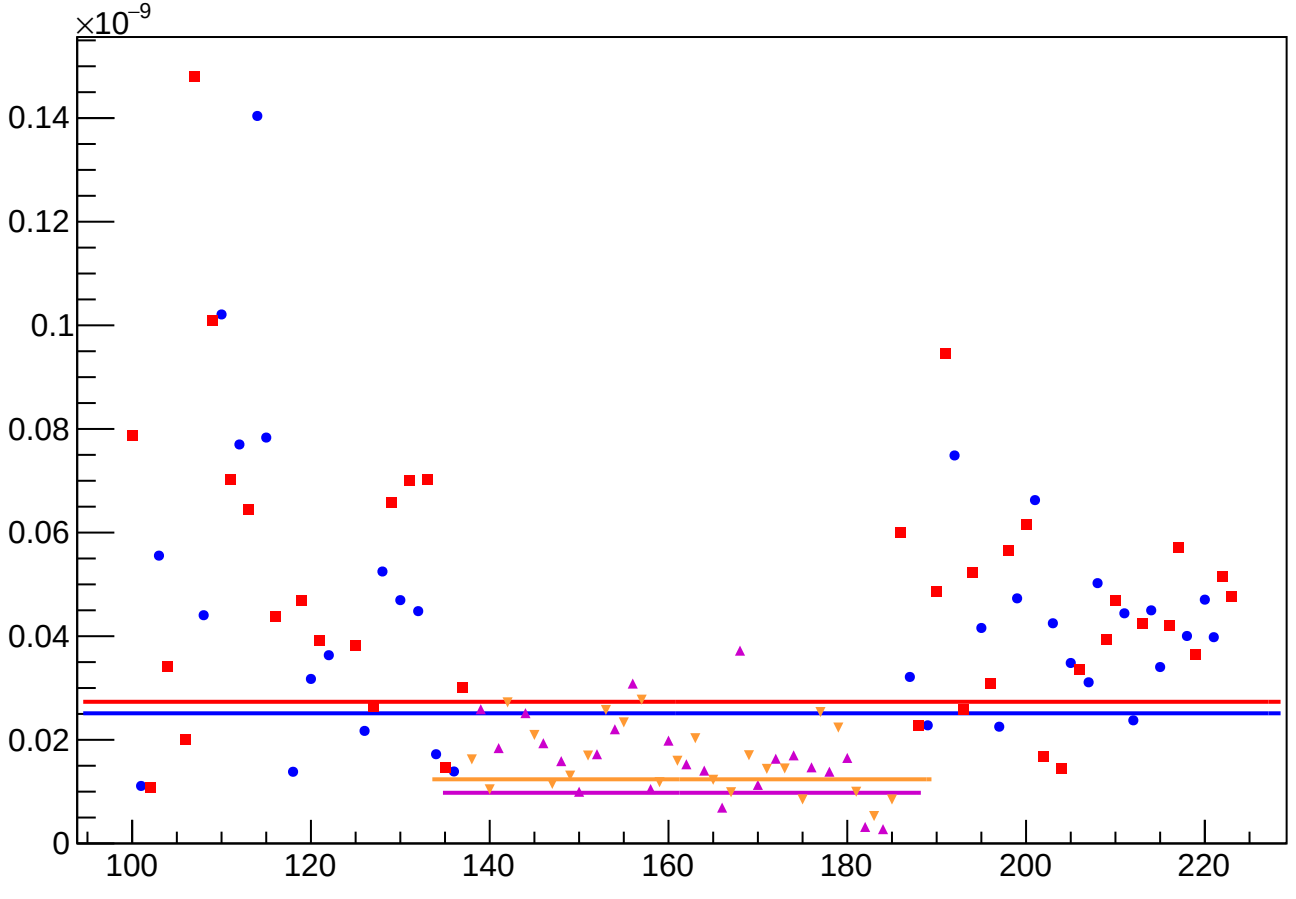
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 63.3/71

In: -0.000+/-0.000 χ^2/NDF:46.0/56

Out: 0.000+/-0.000 χ^2/NDF:65.1/61

All: -0.000+/-0.000 χ^2/NDF: 113.4/118



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

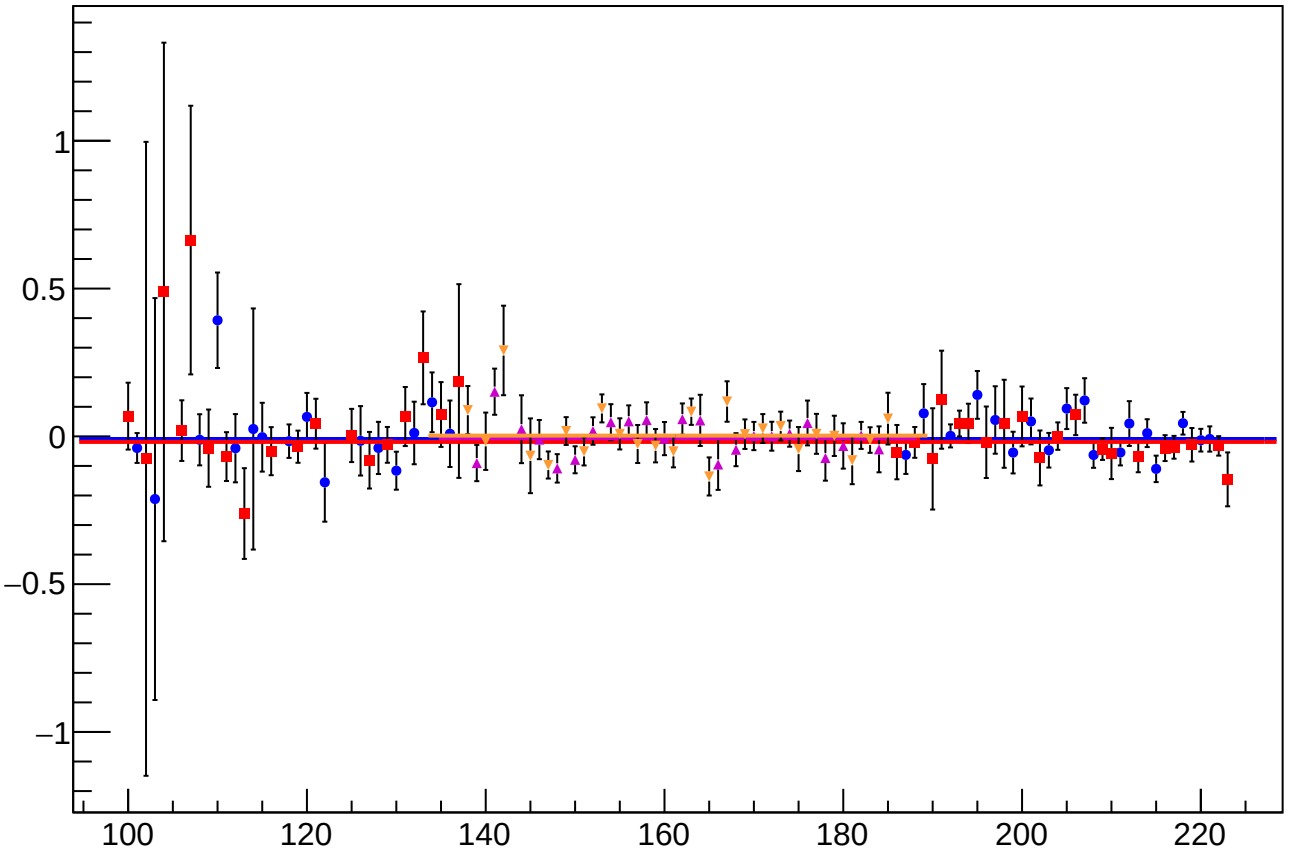
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 9058099.5/71

In: 0.000+/-0.000 χ^2/NDF:12962333.3/56

Out: 0.000+/-0.000 χ^2/NDF:9320368.2/61

All: 0.000+/-0.000 χ^2/NDF: 22663384.5/118



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

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

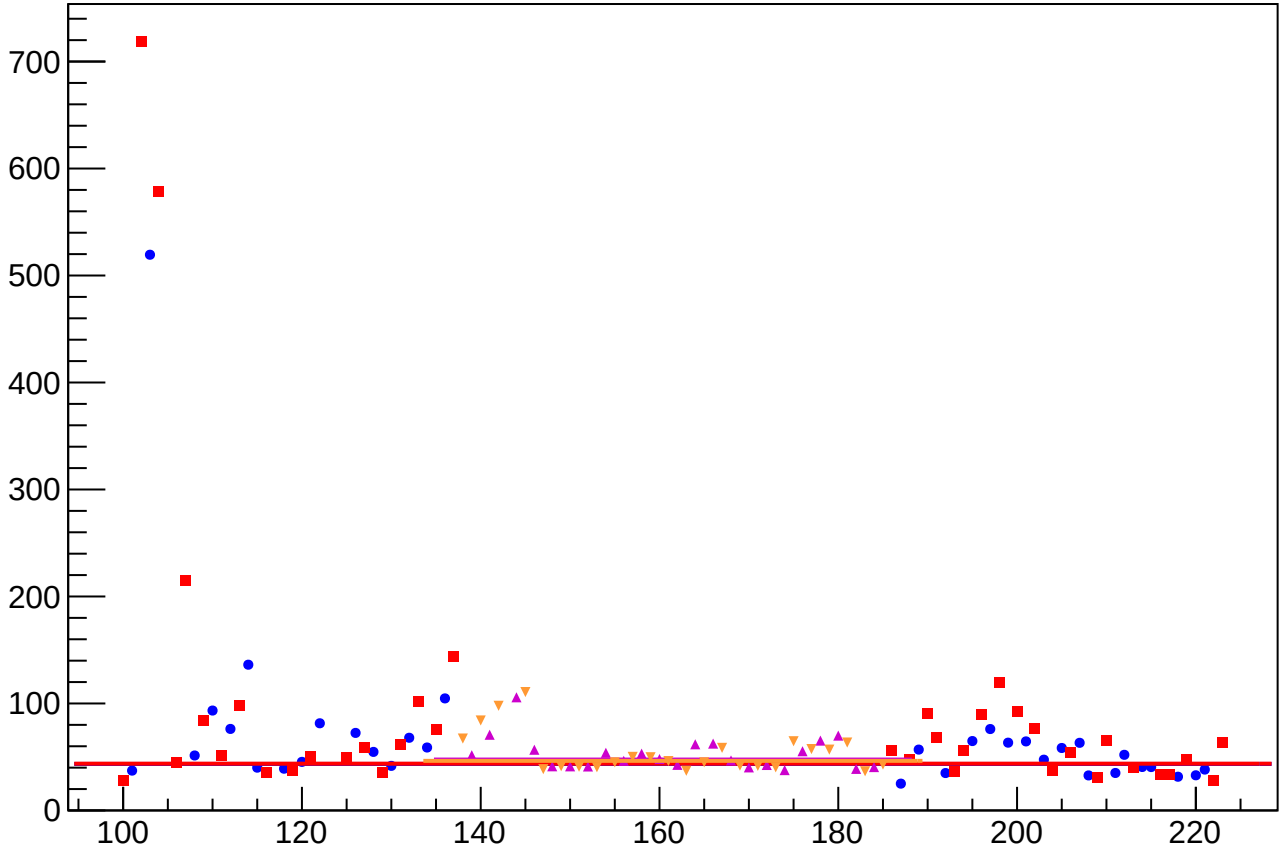
Right: -0.014+/-0.008 χ^2/NDF: 59.8/71

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.009+/-0.008 χ^2/NDF:55.5/61

All: -0.008+/-0.006 χ^2/NDF: 112.7/118

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

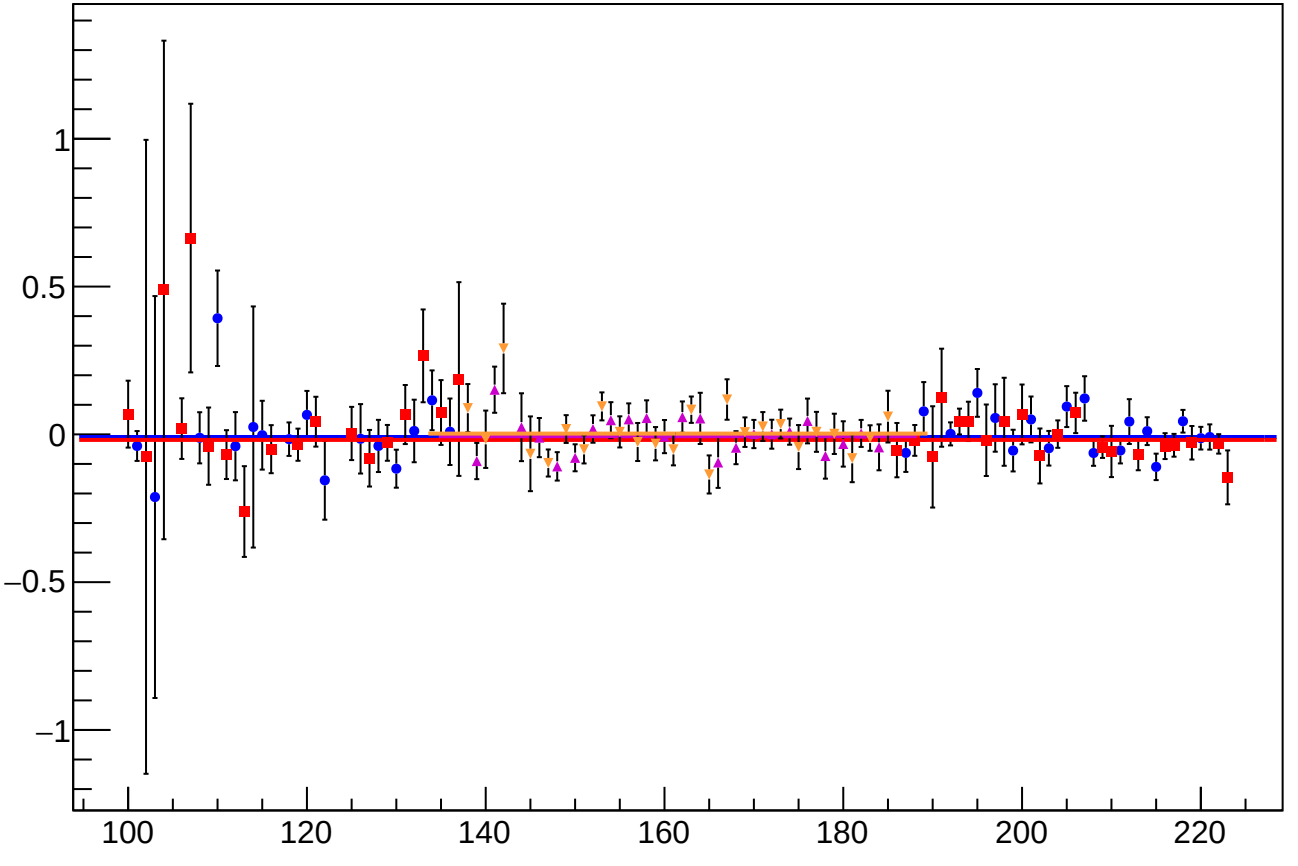
Right: 43.581+/-0.006 χ^2/NDF: 10709495.7/71

In: 45.305+/-0.006 χ^2/NDF:6027431.1/56

Out: 44.962+/-0.006 χ^2/NDF:8404466.9/61

All: 45.134+/-0.004 χ^2/NDF: 14433677.4/118

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

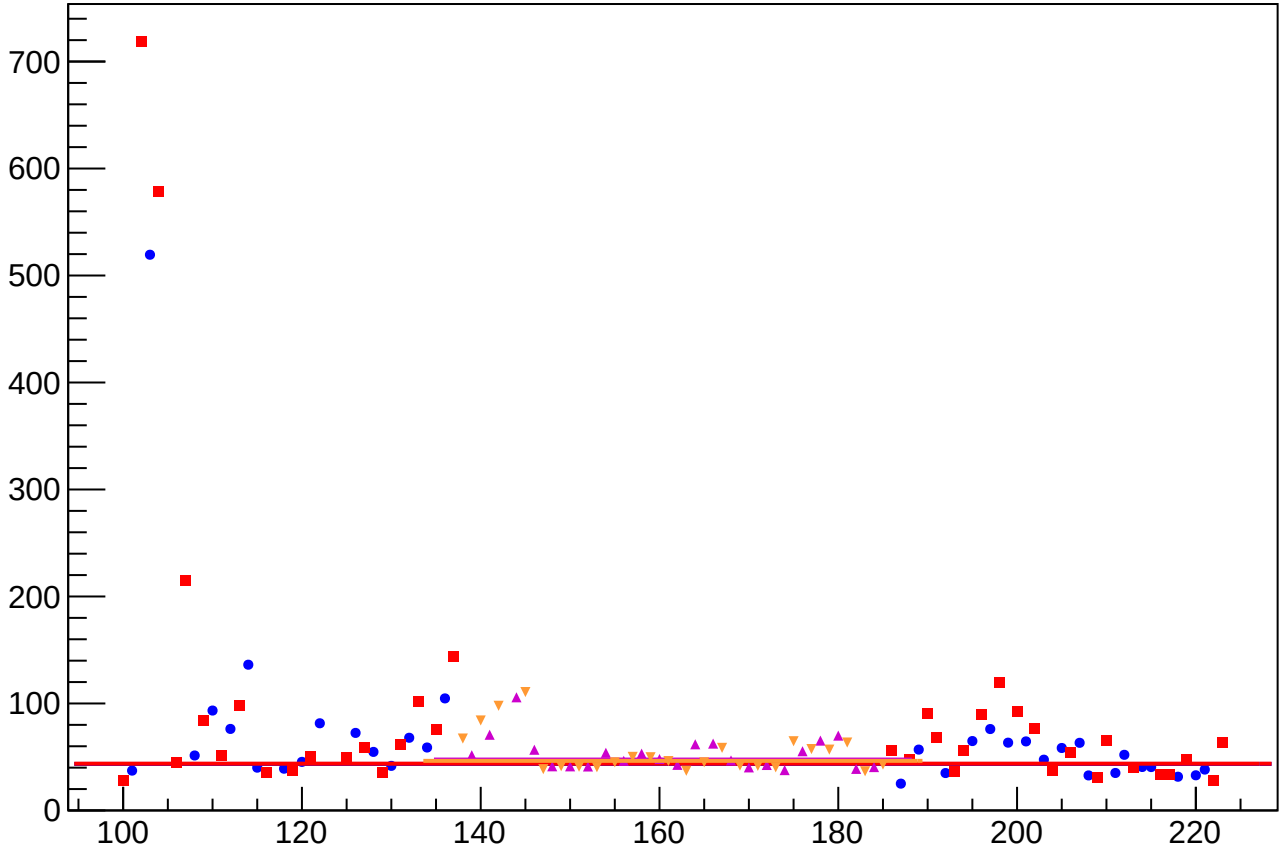
Right: -0.014+/-0.008 χ^2/NDF: 59.8/71

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.009+/-0.008 χ^2/NDF:55.5/61

All: -0.008+/-0.006 χ^2/NDF: 112.7/118

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

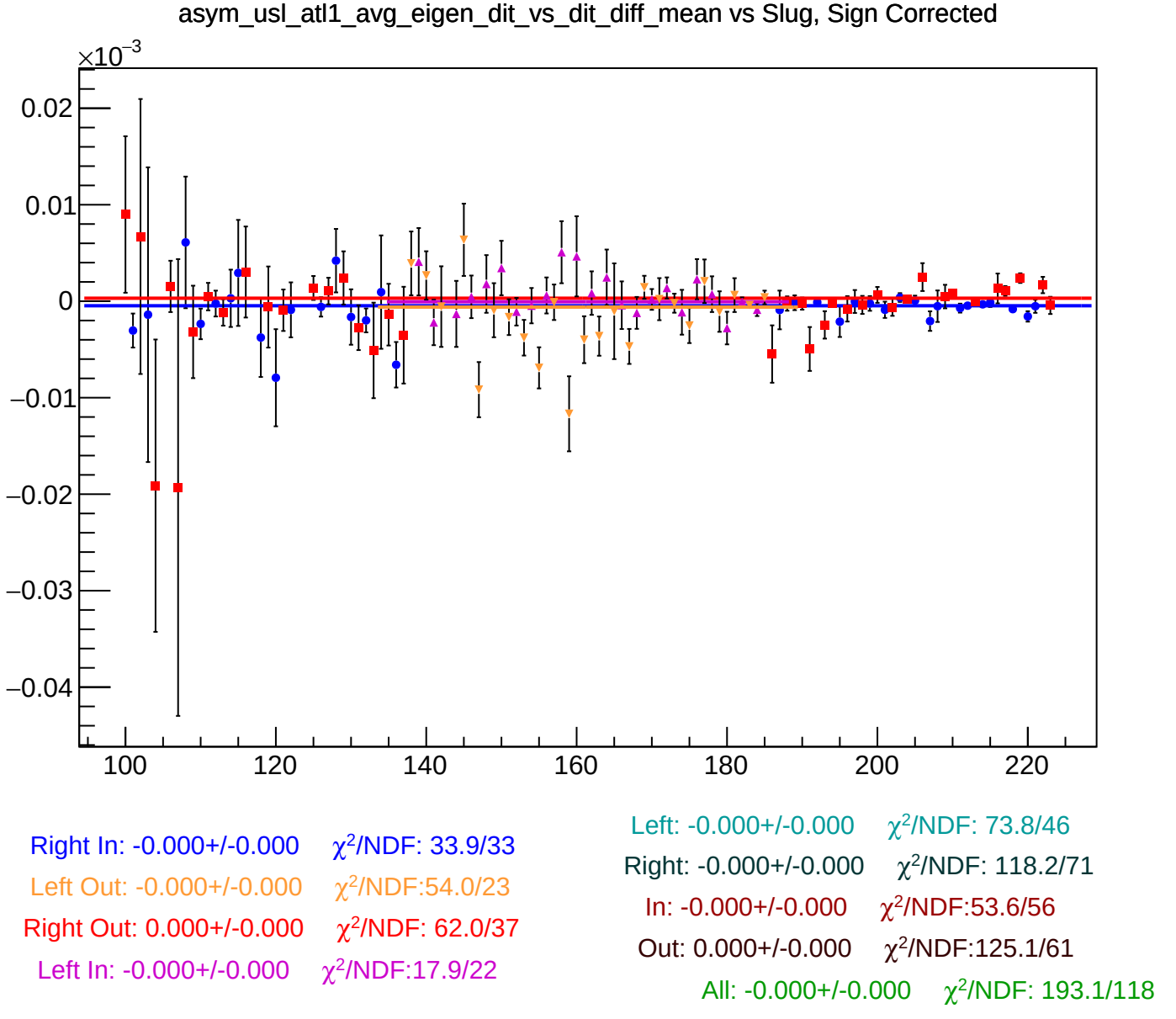
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 43.581+/-0.006 χ^2/NDF: 10709495.7/71

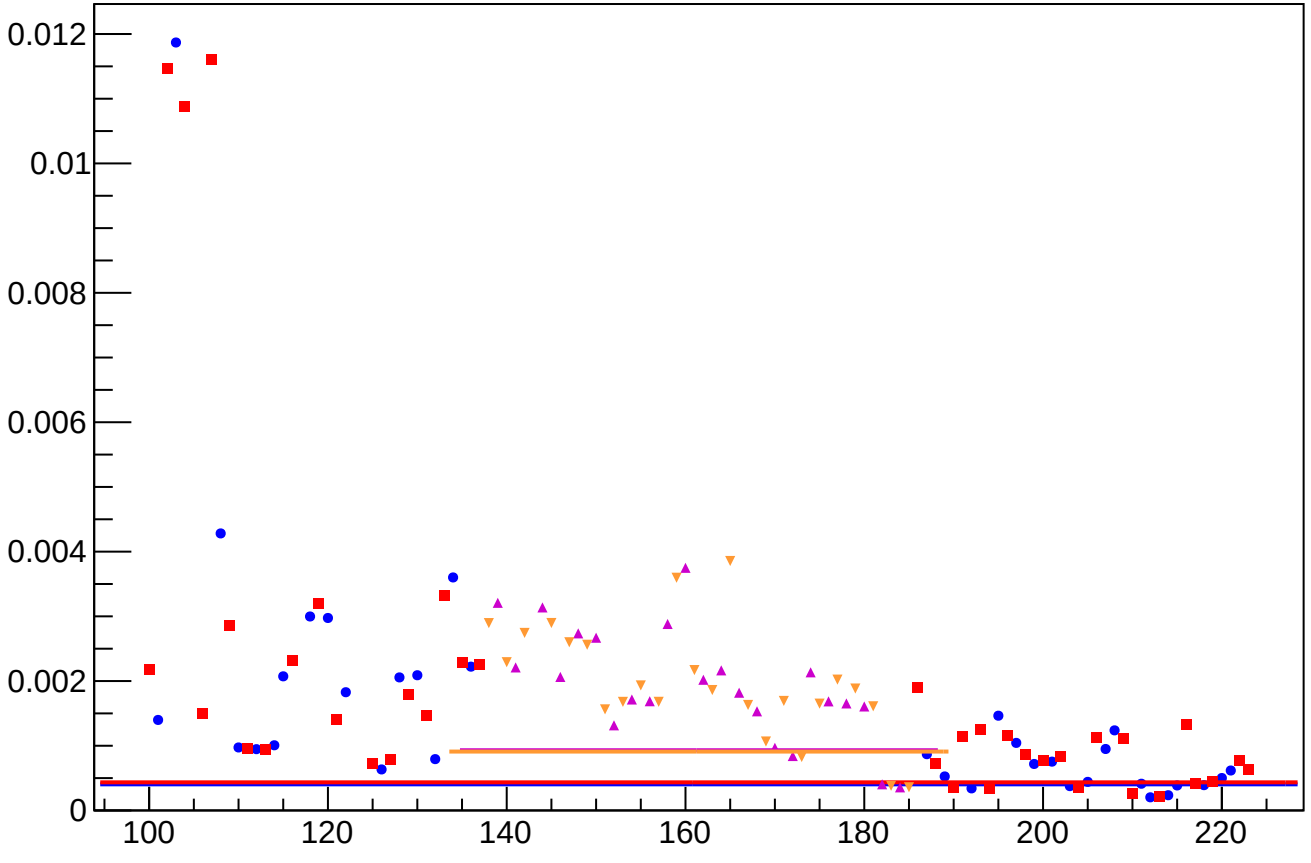
In: 45.305+/-0.006 χ^2/NDF:6027431.1/56

Out: 44.962+/-0.006 χ^2/NDF:8404466.9/61

All: 45.134+/-0.004 χ^2/NDF: 14433677.4/118


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 33.9/33
Left Out: -0.000+/-0.000 χ²/NDF:54.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 62.0/37
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 73.8/46
Right: -0.000+/-0.000 χ²/NDF: 118.2/71
In: -0.000+/-0.000 χ²/NDF:53.6/56
Out: 0.000+/-0.000 χ²/NDF:125.1/61
All: -0.000+/-0.000 χ²/NDF: 193.1/118

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

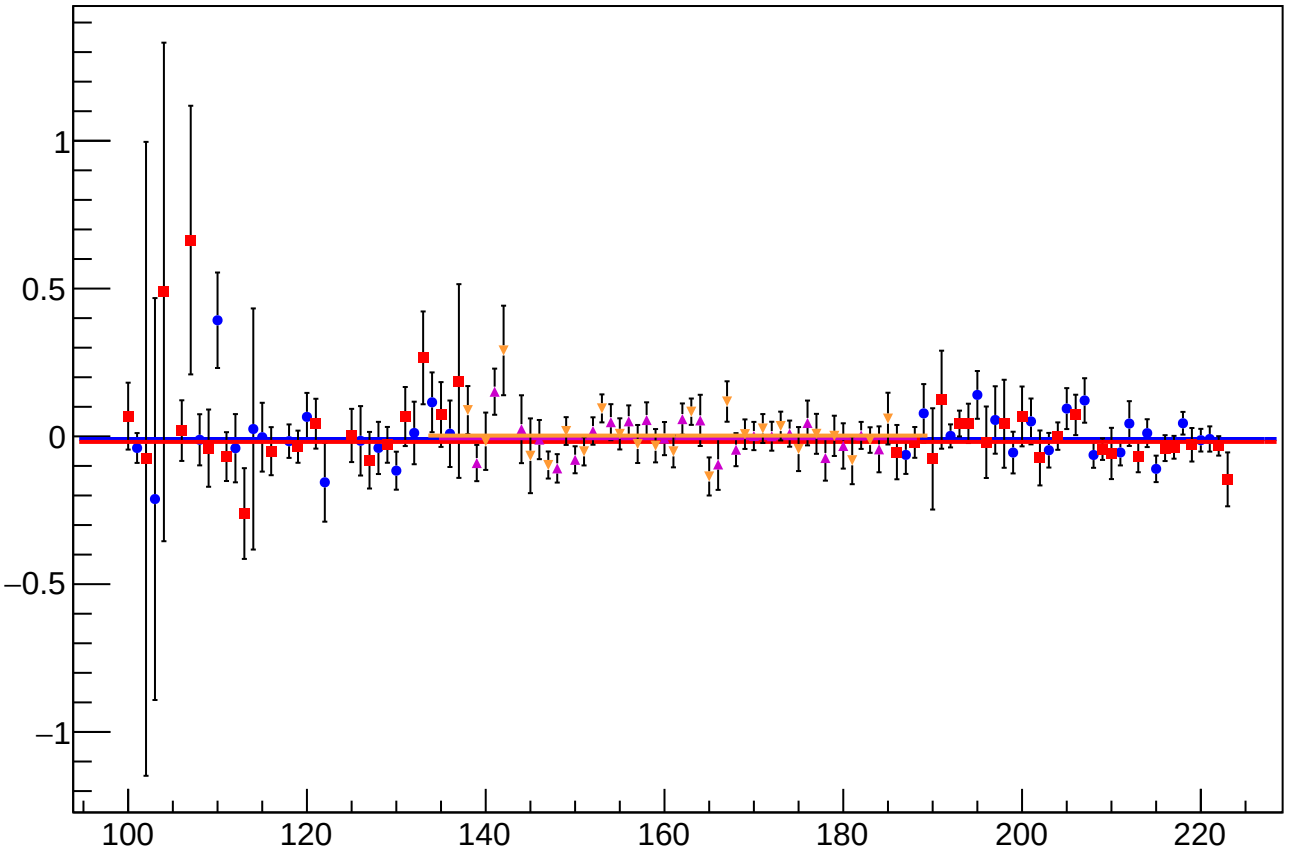
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.000+/-0.000 χ^2/NDF: 31204333.1/71

In: 0.000+/-0.000 χ^2/NDF:34181170.6/56

Out: 0.001+/-0.000 χ^2/NDF:35733720.7/61

All: 0.000+/-0.000 χ^2/NDF: 70018193.4/118



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

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

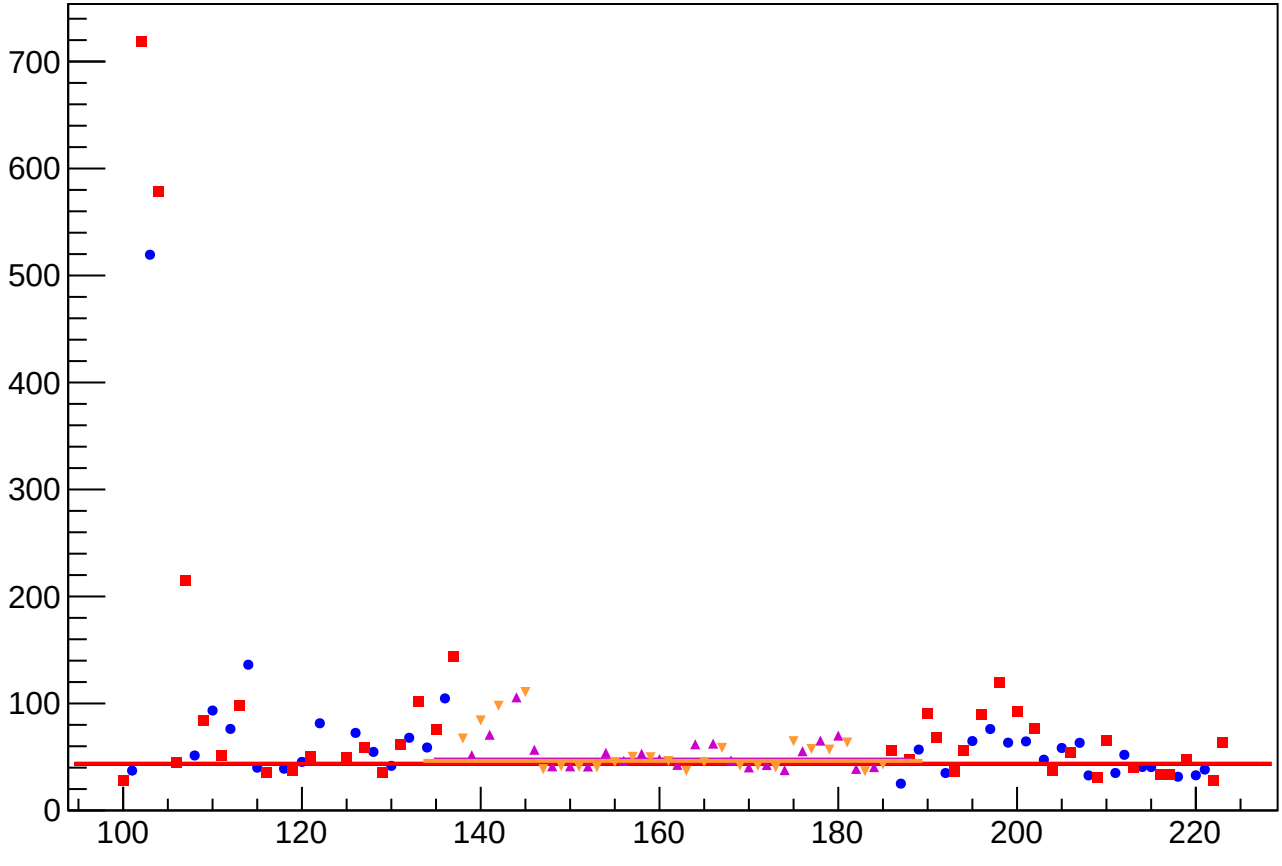
Right: -0.014+/-0.008 χ^2/NDF: 59.8/71

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.009+/-0.008 χ^2/NDF:55.5/61

All: -0.008+/-0.006 χ^2/NDF: 112.7/118

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

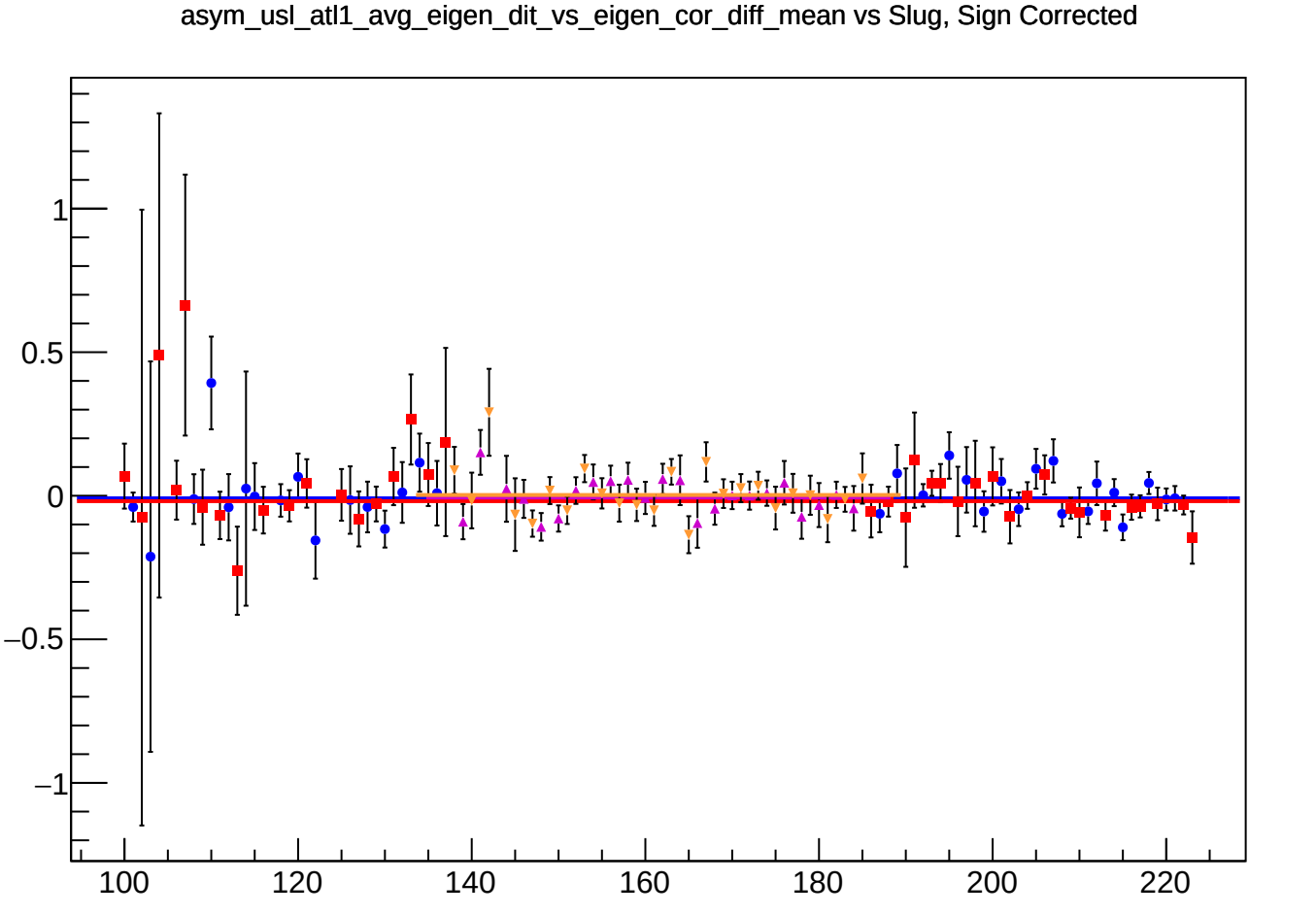
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 43.581+/-0.006 χ^2/NDF: 10709505.2/71

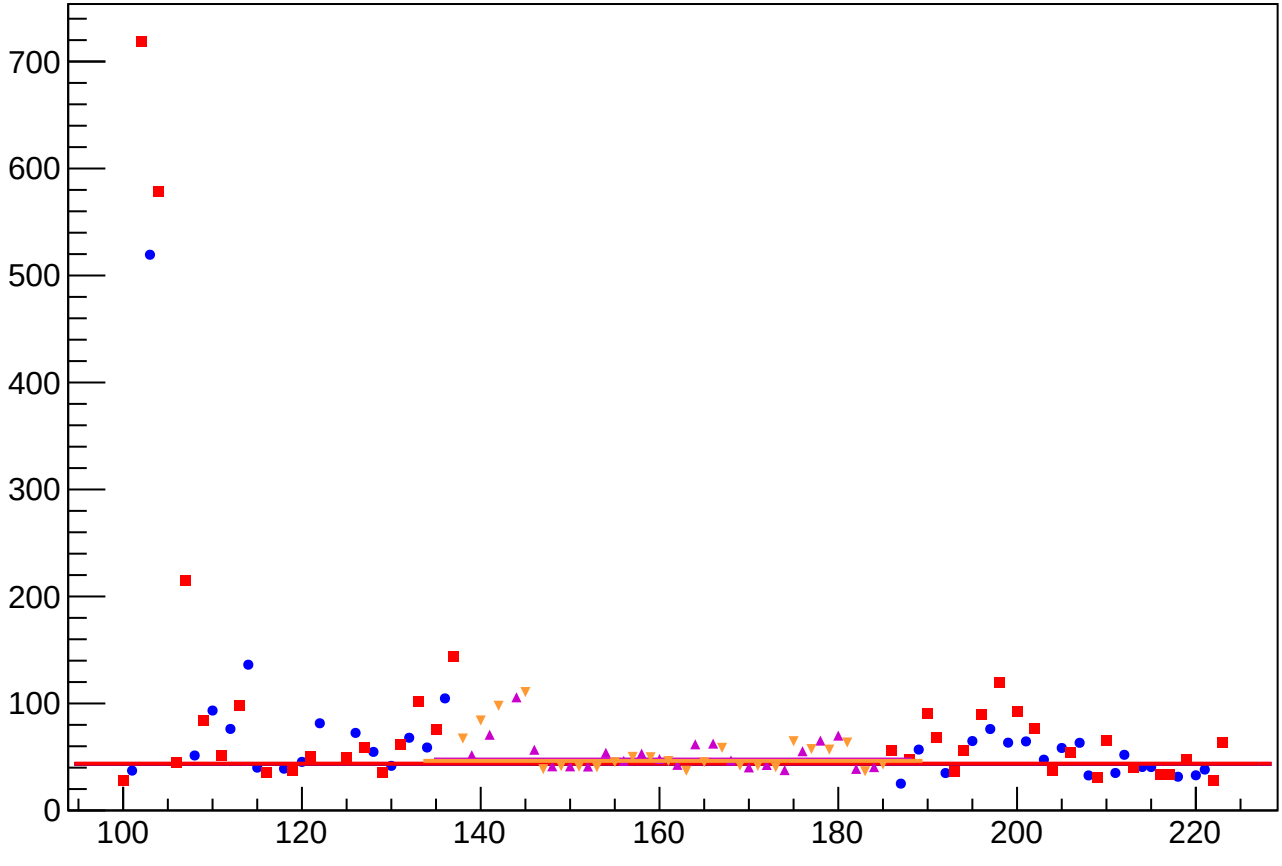
In: 45.305+/-0.006 χ^2/NDF:6027461.7/56

Out: 44.961+/-0.006 χ^2/NDF:8404463.2/61

All: 45.134+/-0.004 χ^2/NDF: 14433704.6/118


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
220
Right In: -0.009+/-0.011 χ²/NDF: 35.5/33
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: -0.019+/-0.011 χ²/NDF: 23.9/37
Left In: -0.006+/-0.012 χ²/NDF:21.6/22
Left: -0.002+/-0.008 χ²/NDF: 51.8/46
Right: -0.014+/-0.008 χ²/NDF: 59.8/71
In: -0.008+/-0.008 χ²/NDF:57.2/56
Out: -0.009+/-0.008 χ²/NDF:55.5/61
All: -0.008+/-0.006 χ²/NDF: 112.7/118

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

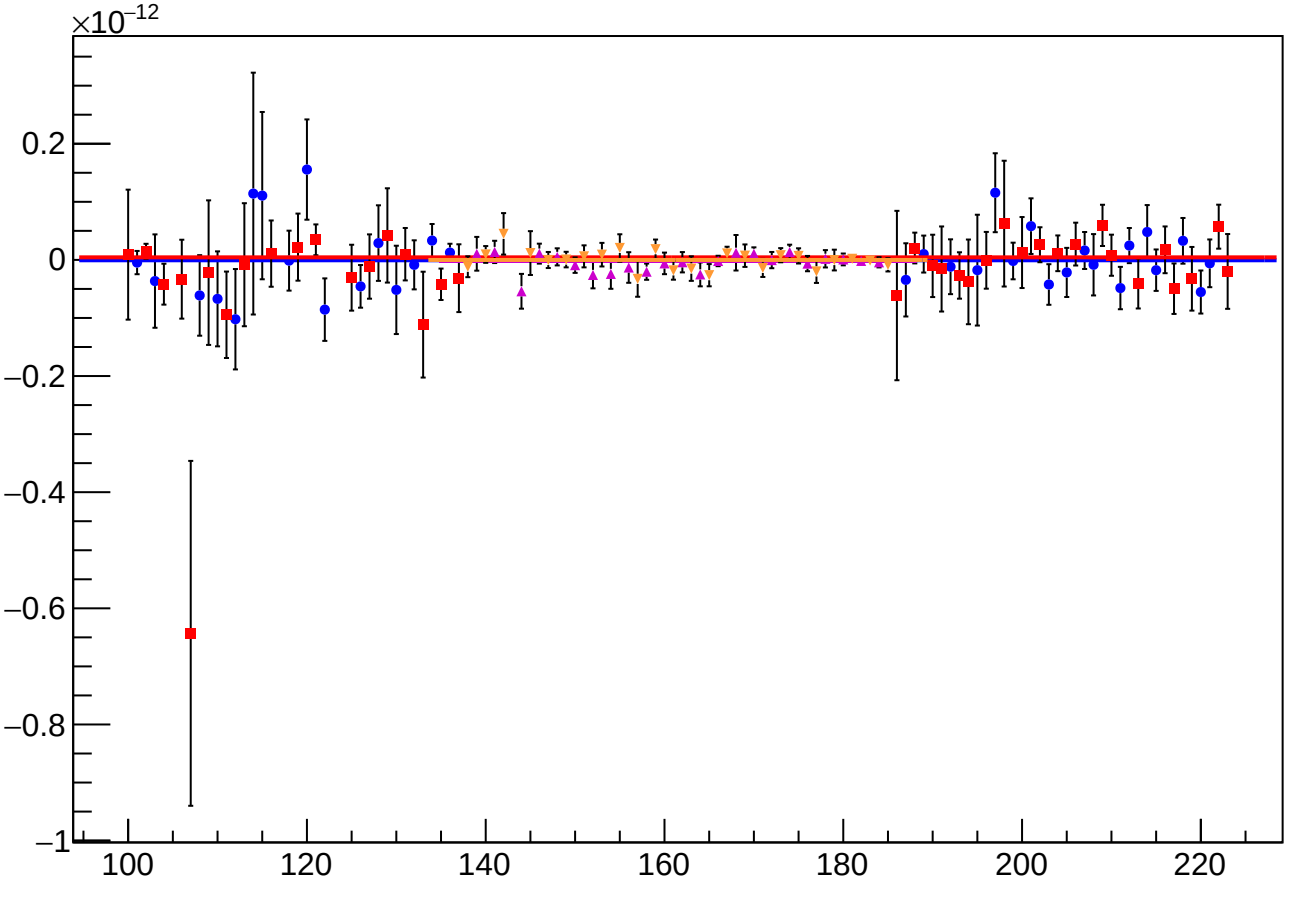
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 43.581+/-0.006 χ^2/NDF: 10709505.2/71

In: 45.305+/-0.006 χ^2/NDF:6027461.7/56

Out: 44.961+/-0.006 χ^2/NDF:8404463.2/61

All: 45.134+/-0.004 χ^2/NDF: 14433704.6/118



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

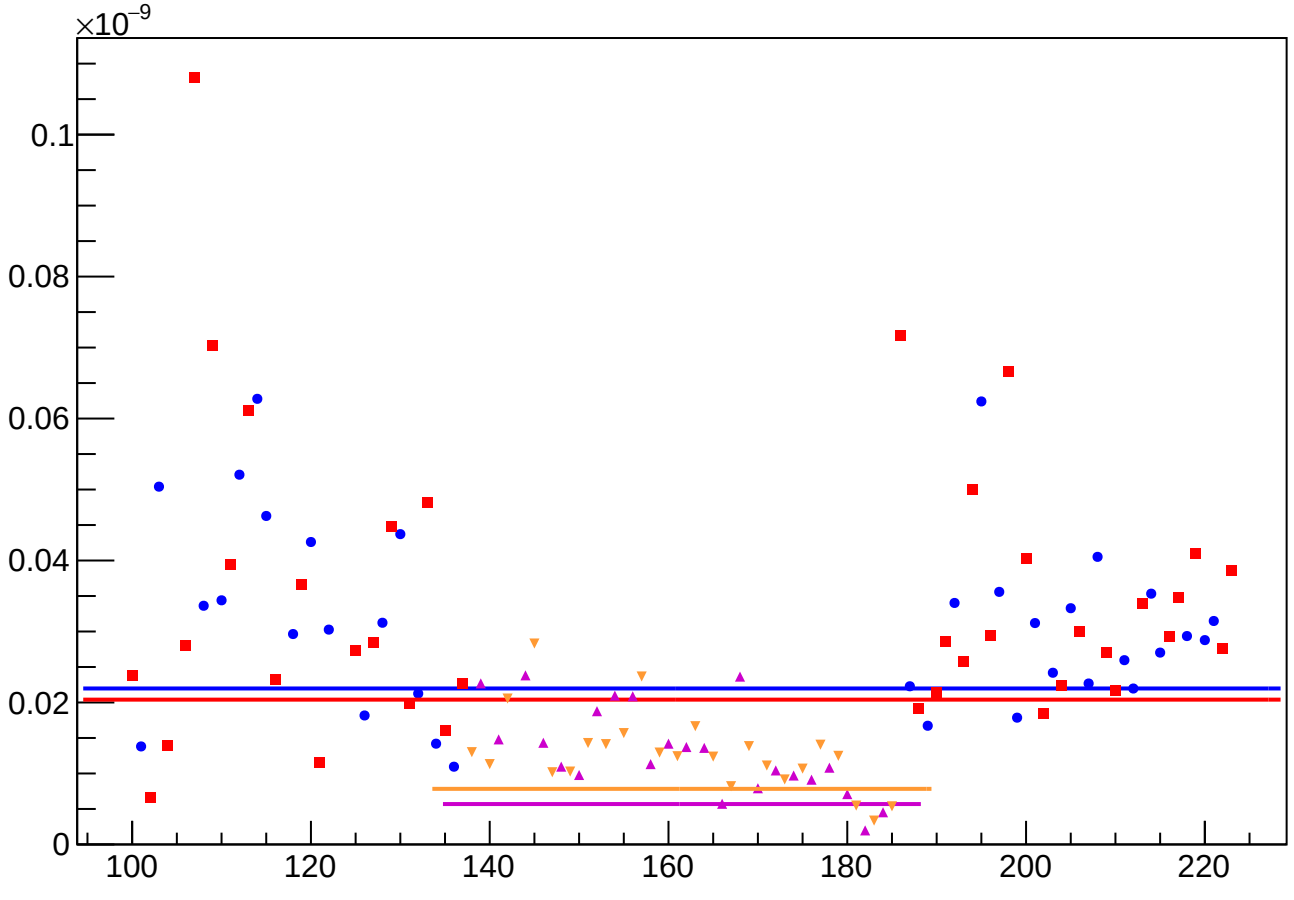
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 54.8/71

In: -0.000+/-0.000 χ^2/NDF:41.0/56

Out: 0.000+/-0.000 χ^2/NDF:41.2/61

All: -0.000+/-0.000 χ^2/NDF: 82.7/118



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

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

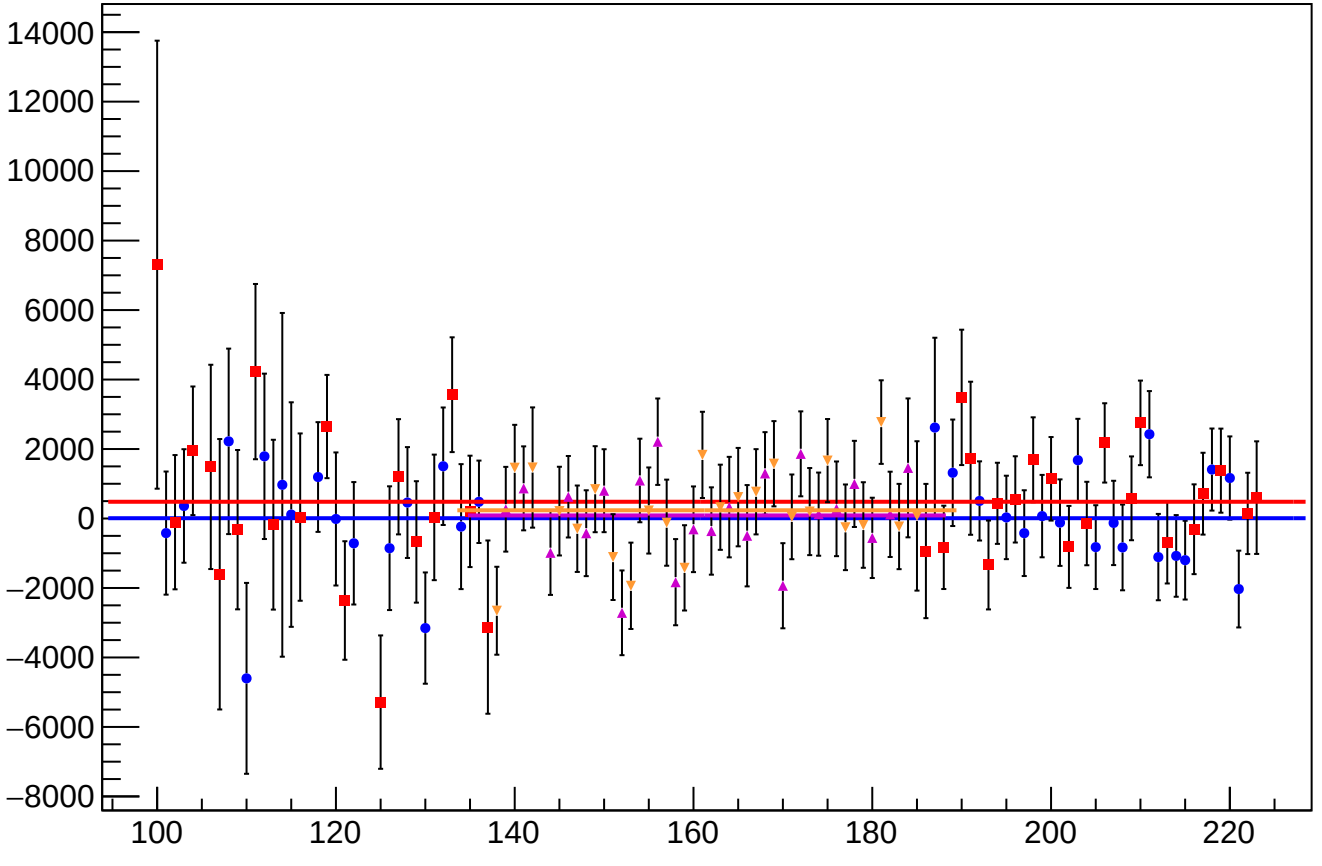
Right: 0.000+/-0.000 χ^2/NDF: 11046845.8/71

In: 0.000+/-0.000 χ^2/NDF:26358998.5/56

Out: 0.000+/-0.000 χ^2/NDF:19555246.6/61

All: 0.000+/-0.000 χ^2/NDF: 47002730.7/118

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

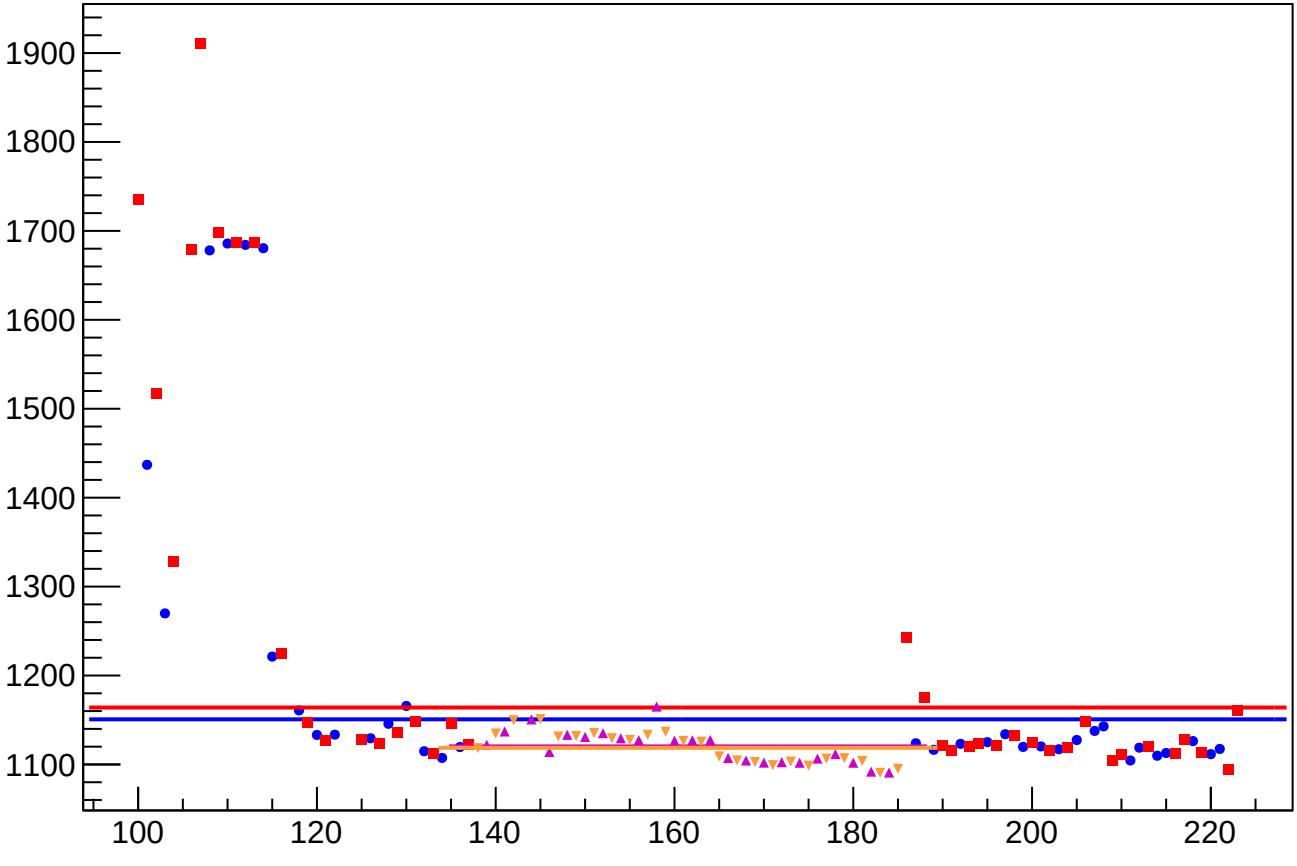
Right: 245.623+/-173.690 χ^2/NDF: 71.2/71

In: 45.967+/-179.132 χ^2/NDF:48.4/56

Out: 366.240+/-178.382 χ^2/NDF:65.1/61

All: 206.775+/-126.400 χ^2/NDF: 115.0/118

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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

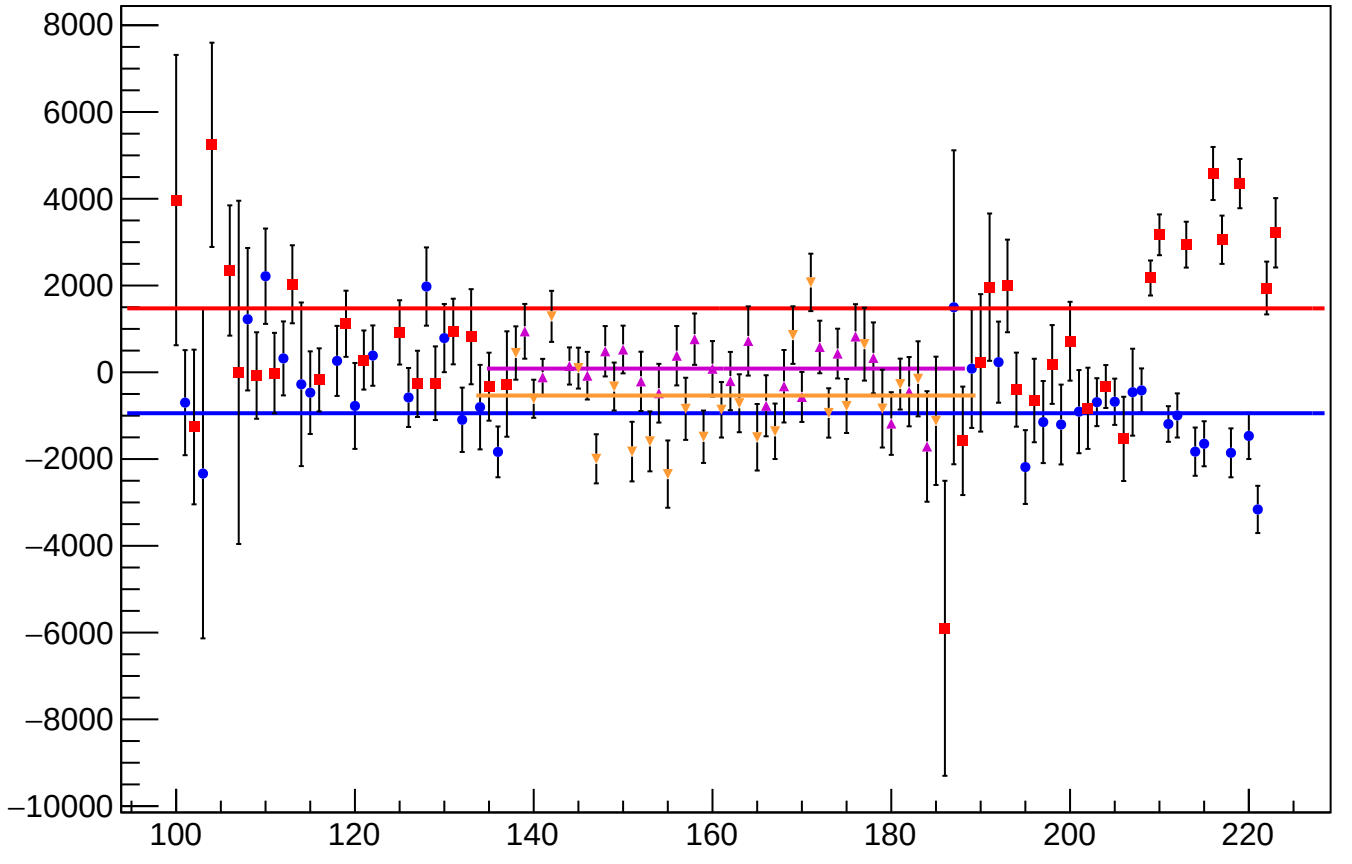
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1157.391+/-0.123 χ^2/NDF: 947063.5/71

In: 1136.475+/-0.127 χ^2/NDF:391757.6/56

Out: 1142.646+/-0.126 χ^2/NDF:616573.0/61

All: 1139.574+/-0.089 χ^2/NDF: 1009522.3/11



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

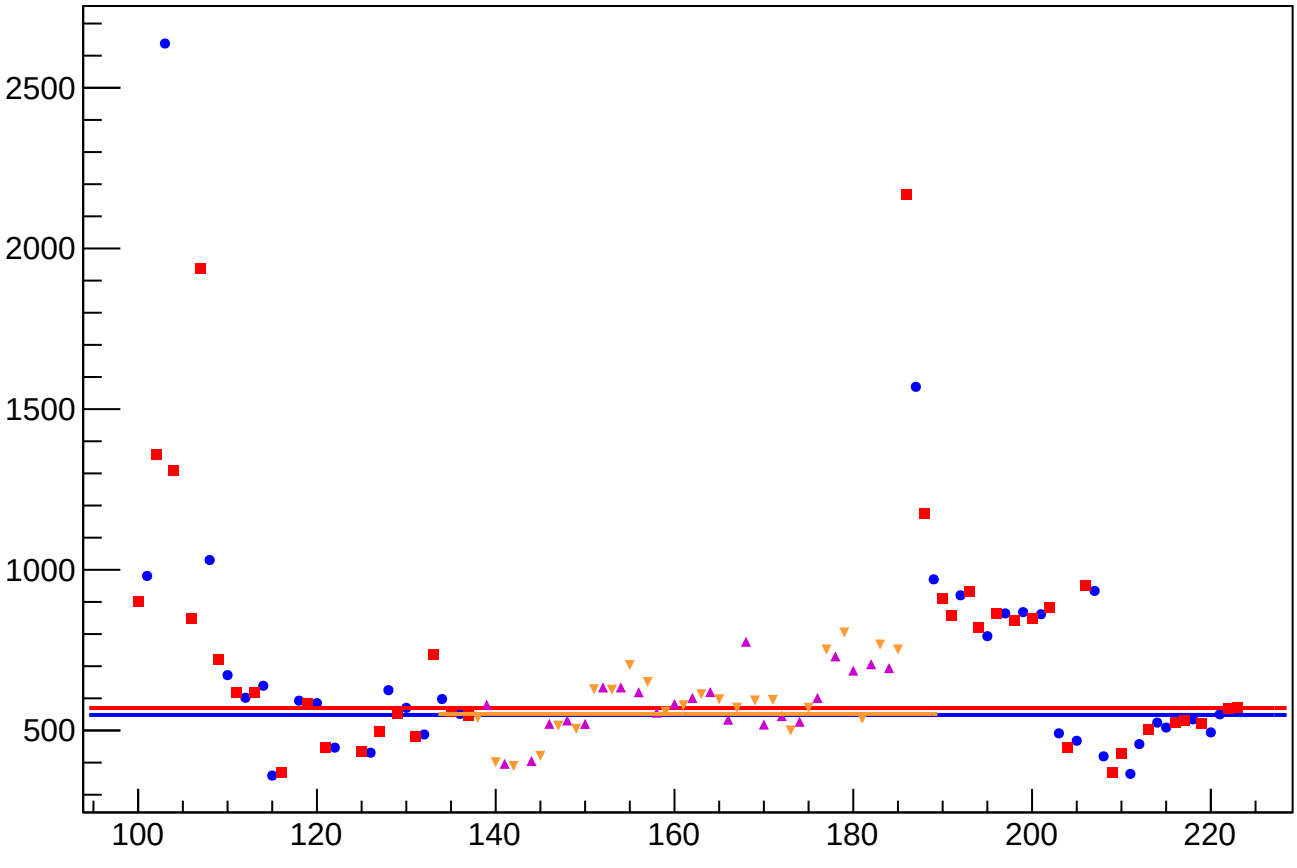
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 226.451+/-89.011 χ^2/NDF: 431.9/71

In: -457.614+/-90.013 χ^2/NDF:117.9/56

Out: 489.899+/-91.407 χ^2/NDF:361.8/61

All: 8.865+/-64.136 χ^2/NDF: 534.3/118



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

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

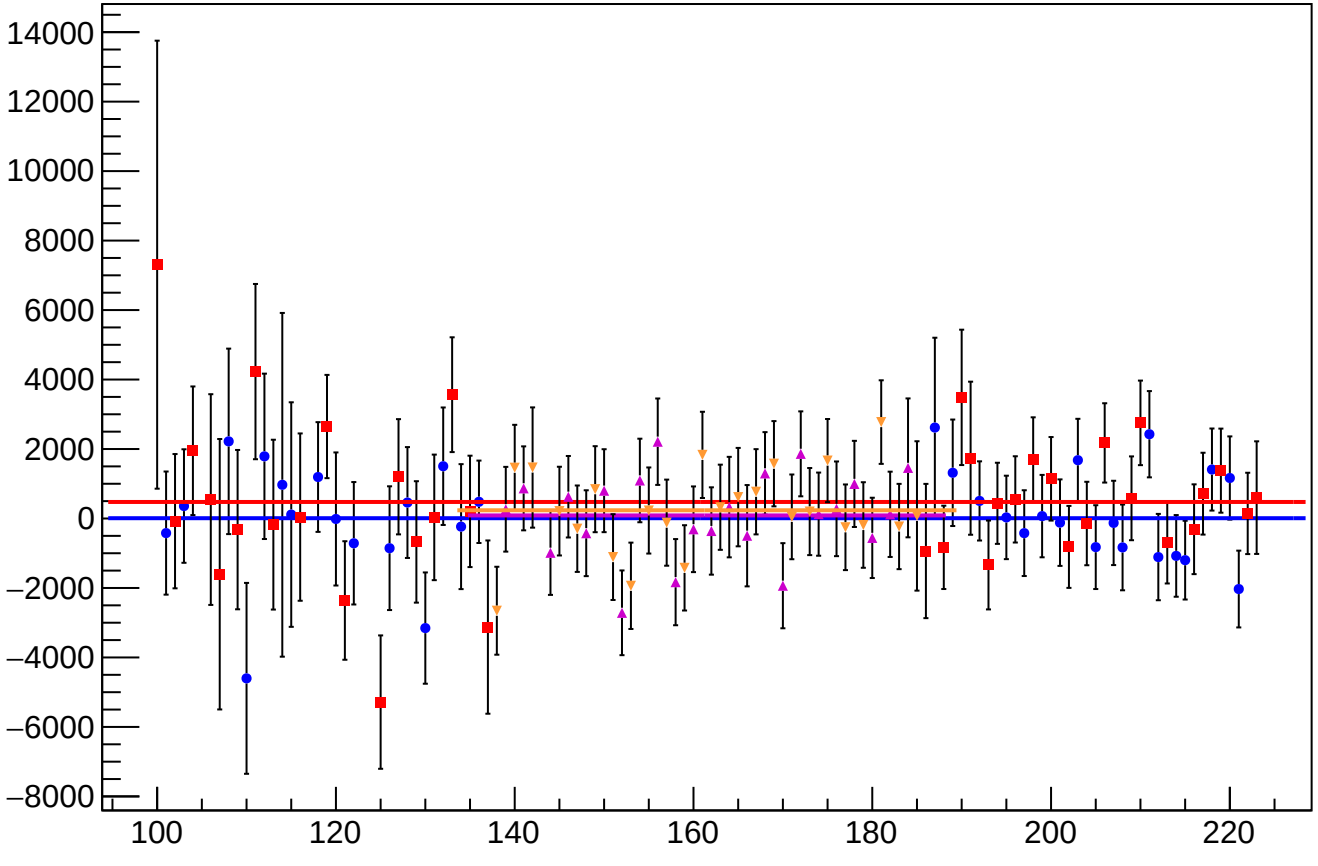
Right: 558.742+/-0.063 χ^2/NDF: 8601979.9/71

In: 549.747+/-0.064 χ^2/NDF:4861628.3/56

Out: 560.836+/-0.065 χ^2/NDF:6020353.5/61

All: 555.206+/-0.045 χ^2/NDF: 10896925.4/11

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

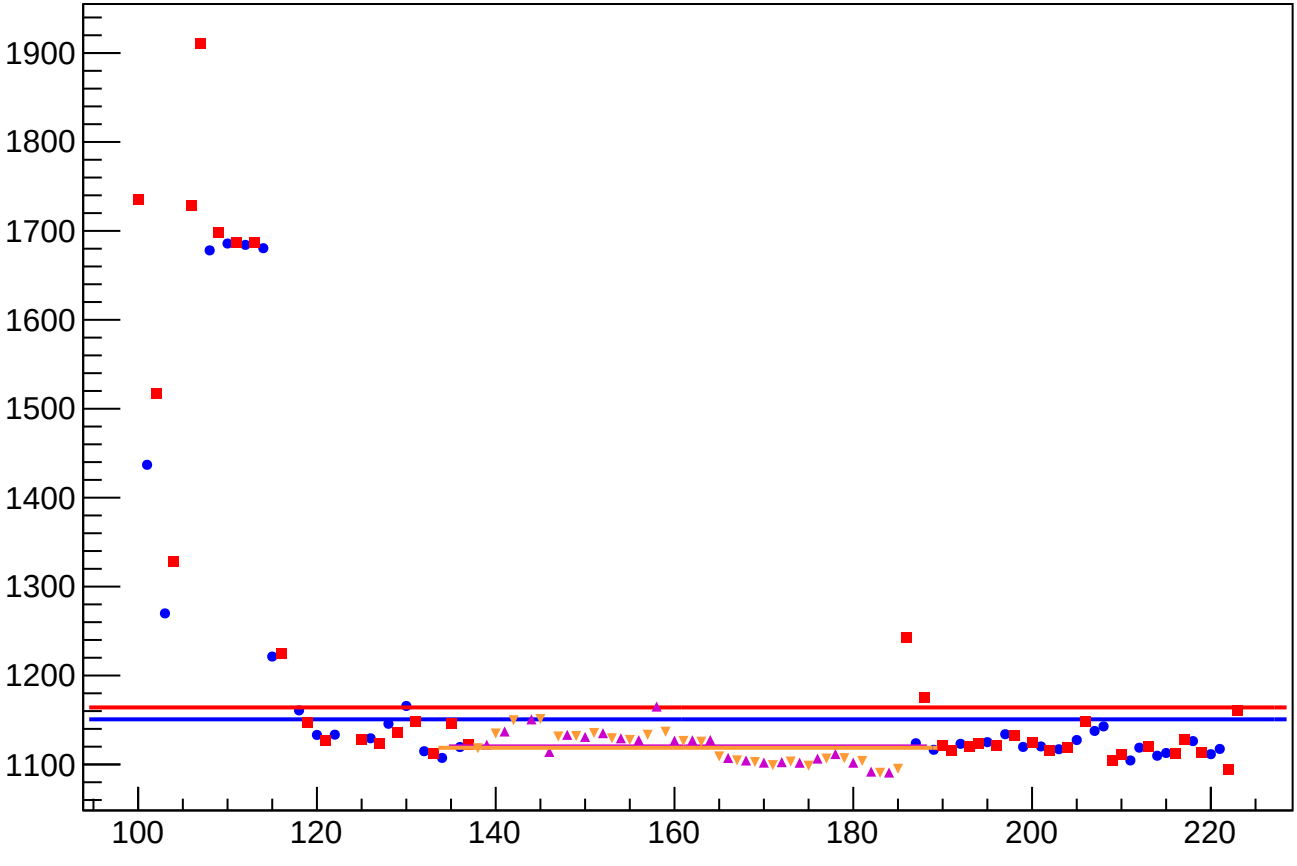
Right: 242.467+/-173.708 χ^2/NDF: 71.0/71

In: 45.911+/-179.132 χ^2/NDF:48.4/56

Out: 363.009+/-178.402 χ^2/NDF:64.9/61

All: 205.108+/-126.407 χ^2/NDF: 114.8/118

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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

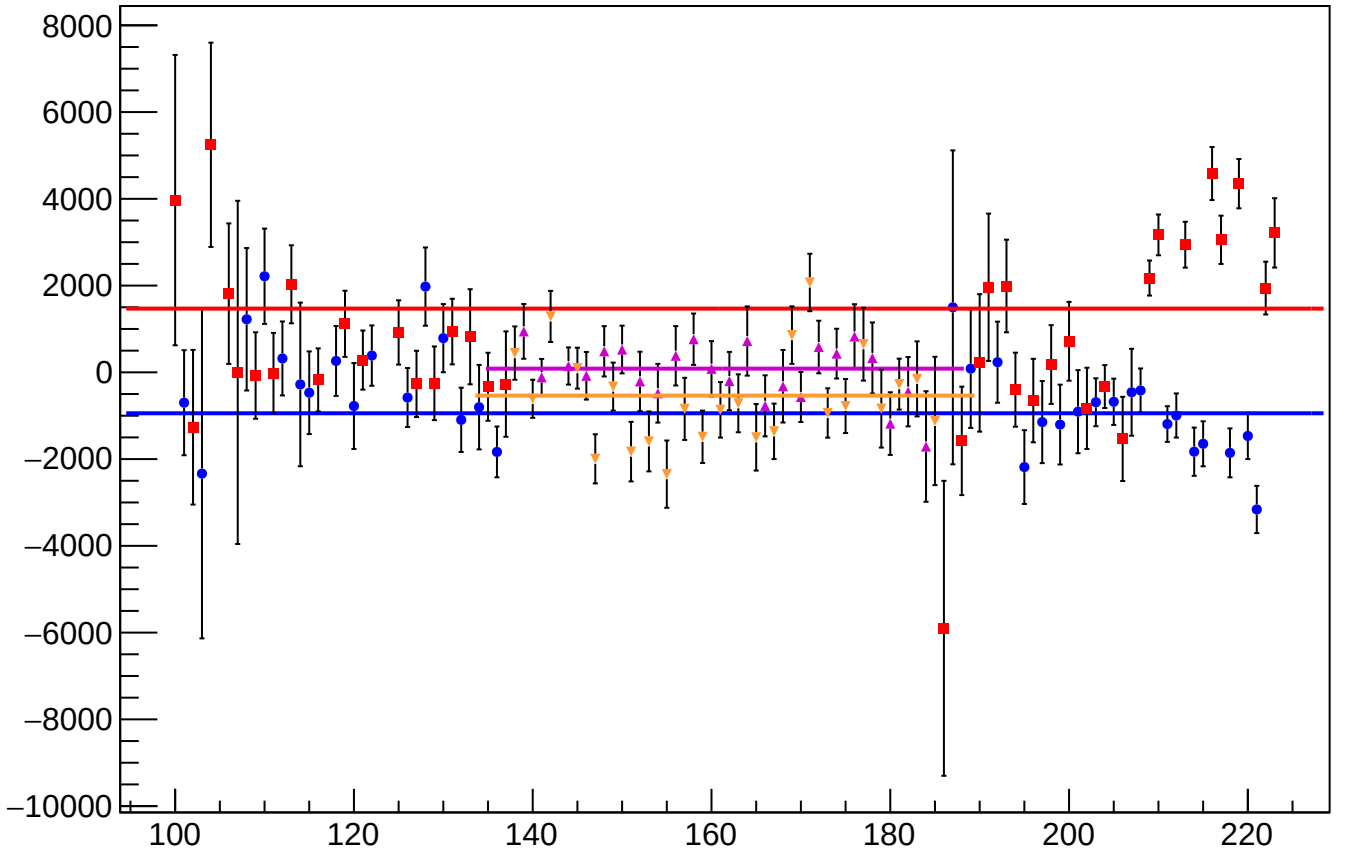
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1157.445+/-0.123 χ^2/NDF: 955165.8/71

In: 1136.475+/-0.127 χ^2/NDF:391757.7/56

Out: 1142.701+/-0.126 χ^2/NDF:624779.2/61

All: 1139.601+/-0.089 χ^2/NDF: 1017749.7/11



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

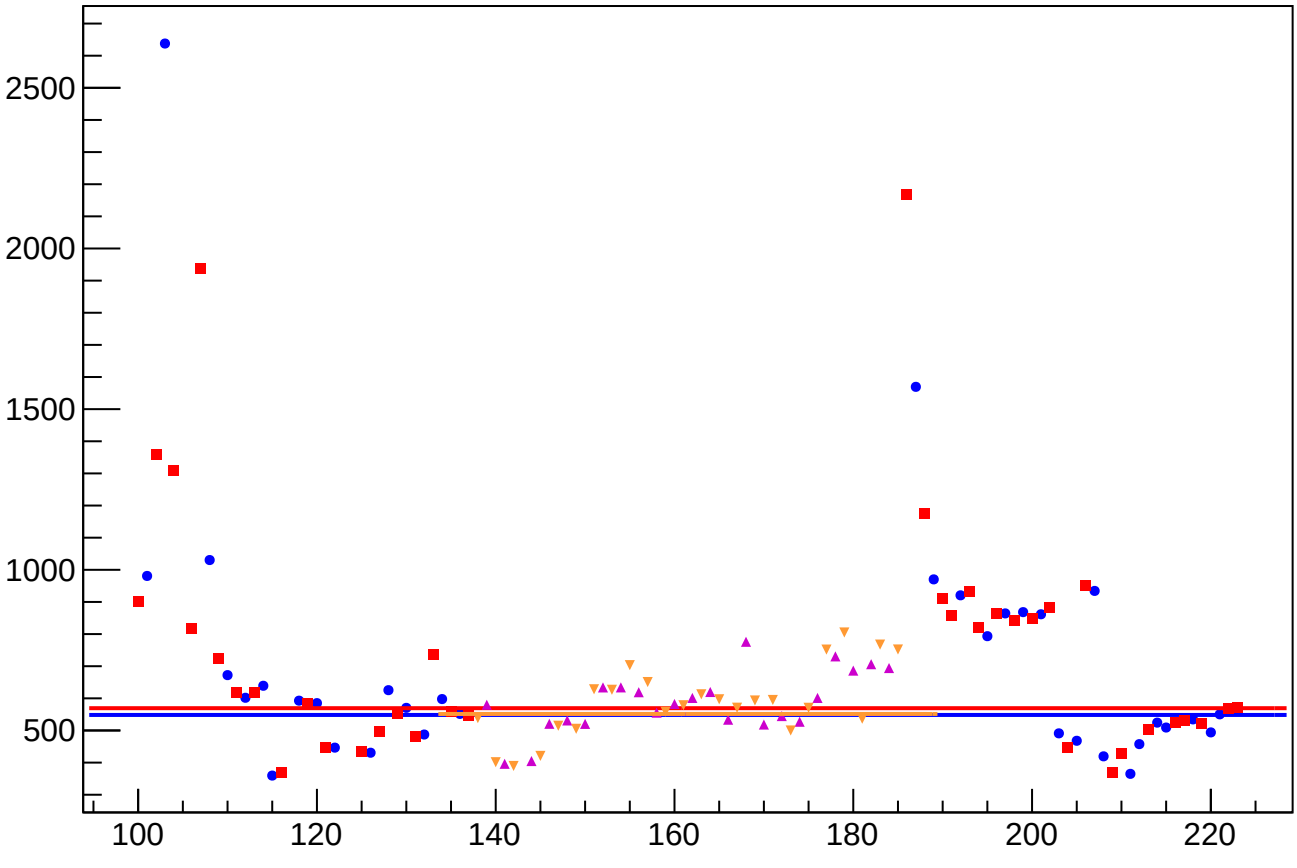
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 223.793+/-89.032 χ^2/NDF: 430.8/71

In: -457.612+/-90.013 χ^2/NDF:117.9/56

Out: 487.212+/-91.430 χ^2/NDF:360.9/61

All: 7.420+/-64.144 χ^2/NDF: 533.1/118



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

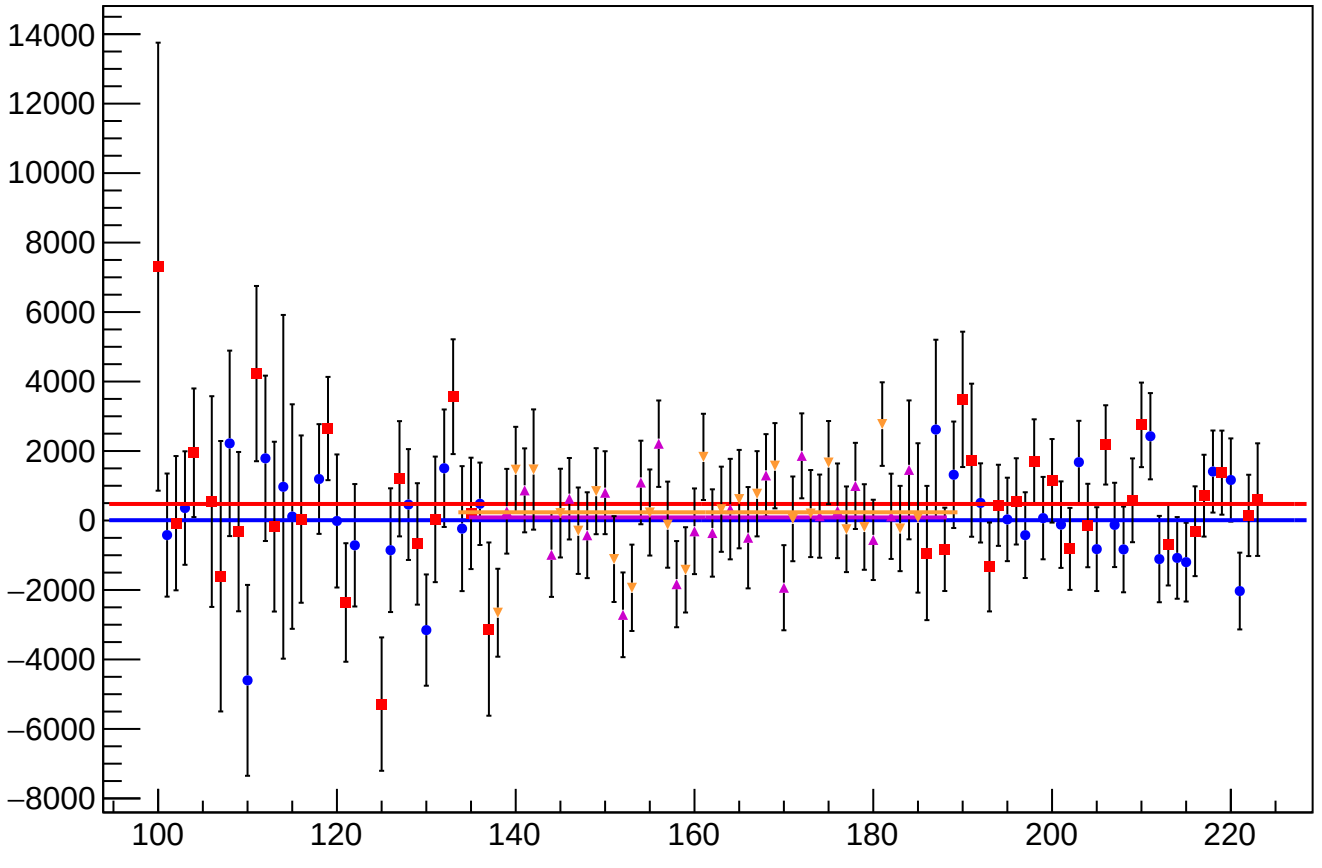
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 558.503+/-0.063 χ^2/NDF: 8579009.0/71

In: 549.745+/-0.064 χ^2/NDF:4861571.7/56

Out: 560.586+/-0.065 χ^2/NDF:5997669.4/61

All: 555.081+/-0.045 χ^2/NDF: 10873517.2/11



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

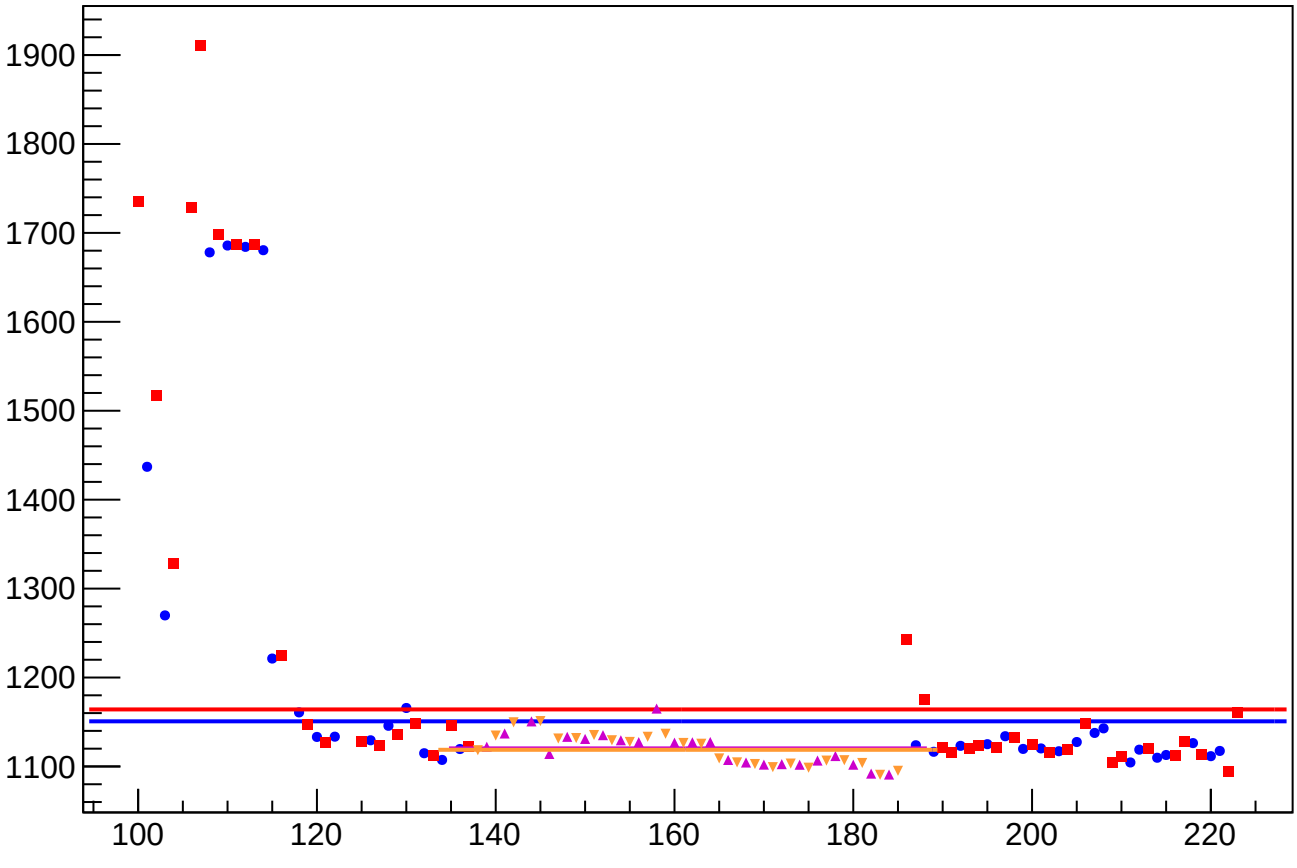
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 242.467+/-173.708 χ^2/NDF: 71.0/71

In: 45.911+/-179.132 χ^2/NDF:48.4/56

Out: 363.009+/-178.402 χ^2/NDF:64.9/61

All: 205.108+/-126.407 χ^2/NDF: 114.8/118



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

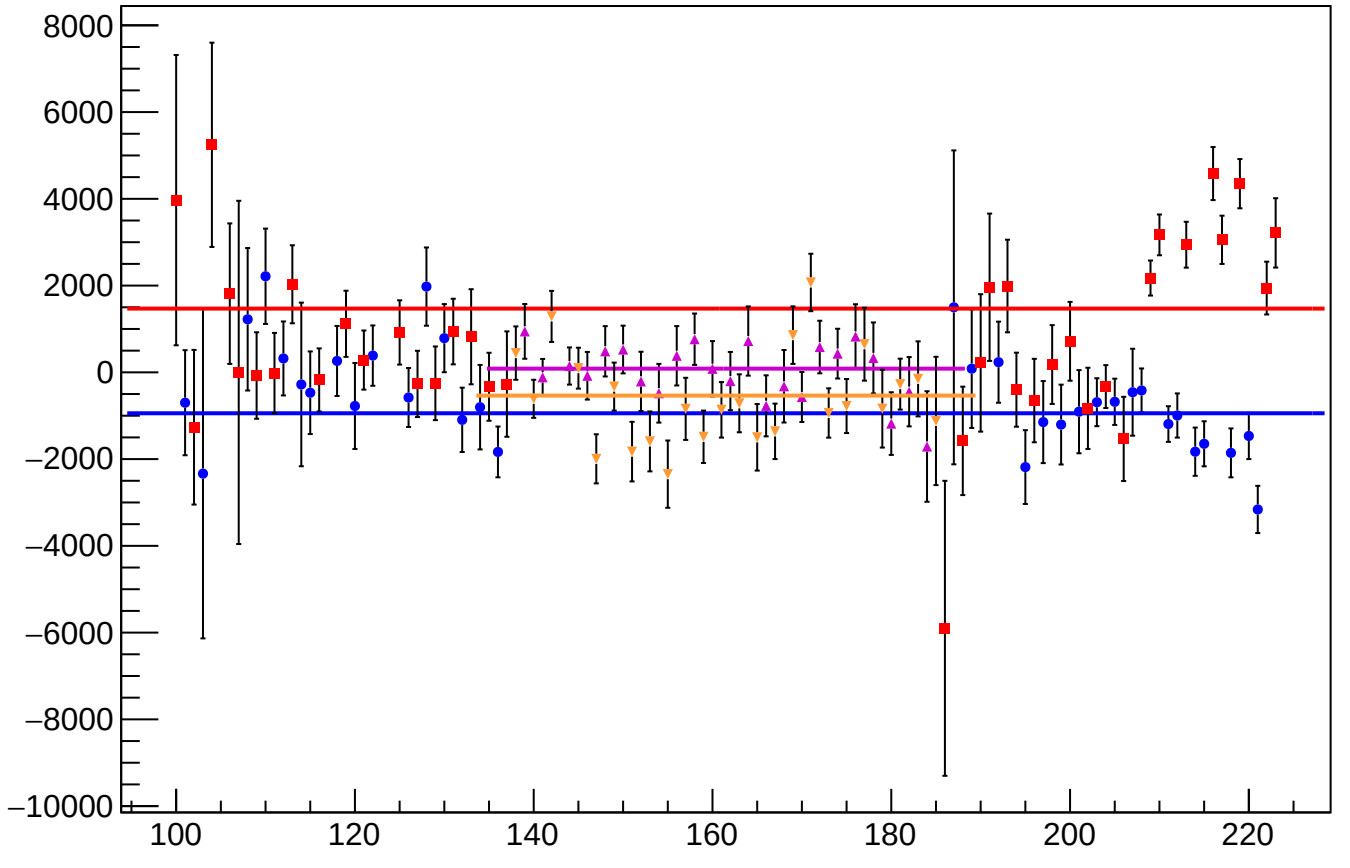
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1157.445+/-0.123 χ^2/NDF: 955165.8/71

In: 1136.475+/-0.127 χ^2/NDF:391757.7/56

Out: 1142.701+/-0.126 χ^2/NDF:624779.2/61

All: 1139.601+/-0.089 χ^2/NDF: 1017749.7/11



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

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

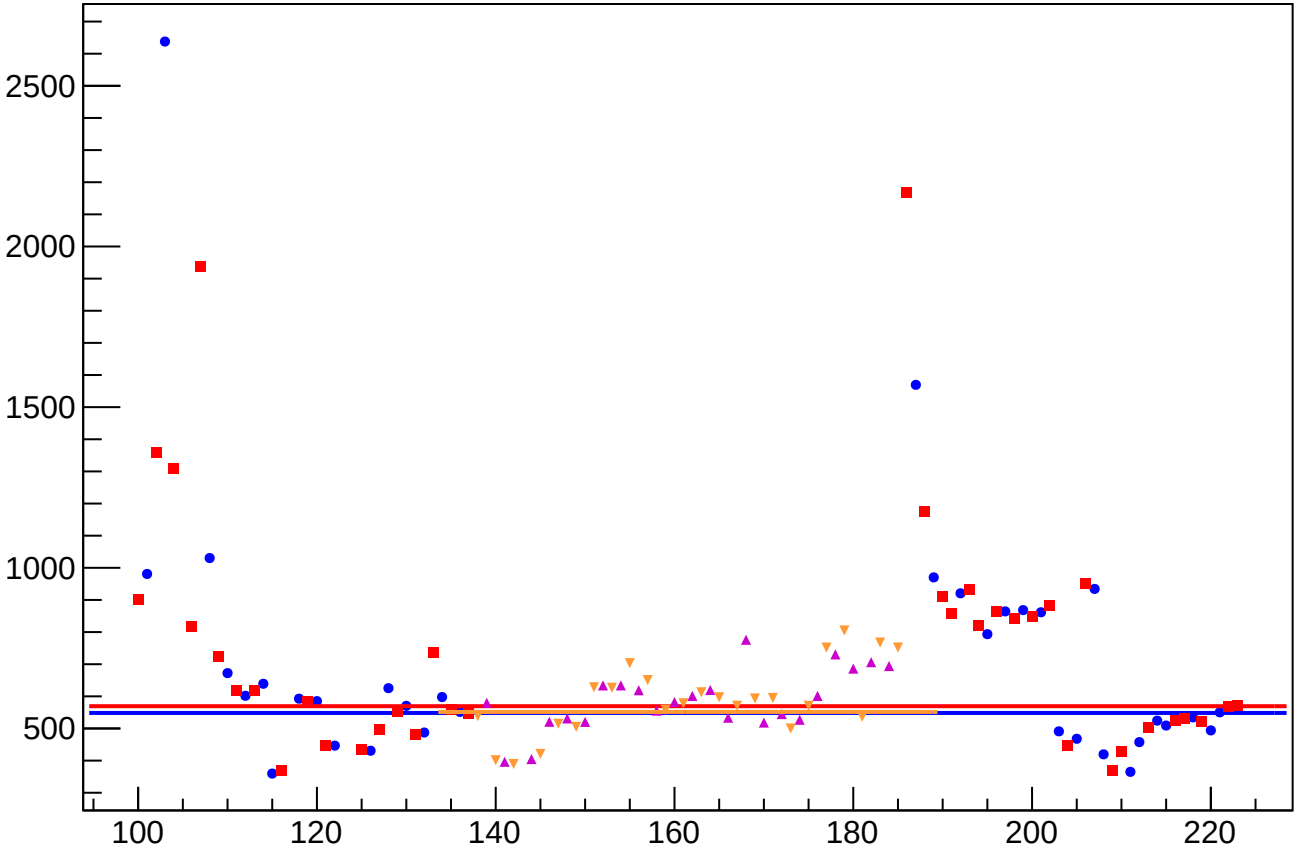
Right: 223.793+/-89.032 χ^2/NDF: 430.8/71

In: -457.612+/-90.013 χ^2/NDF:117.9/56

Out: 487.212+/-91.430 χ^2/NDF:360.9/61

All: 7.420+/-64.144 χ^2/NDF: 533.1/118

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

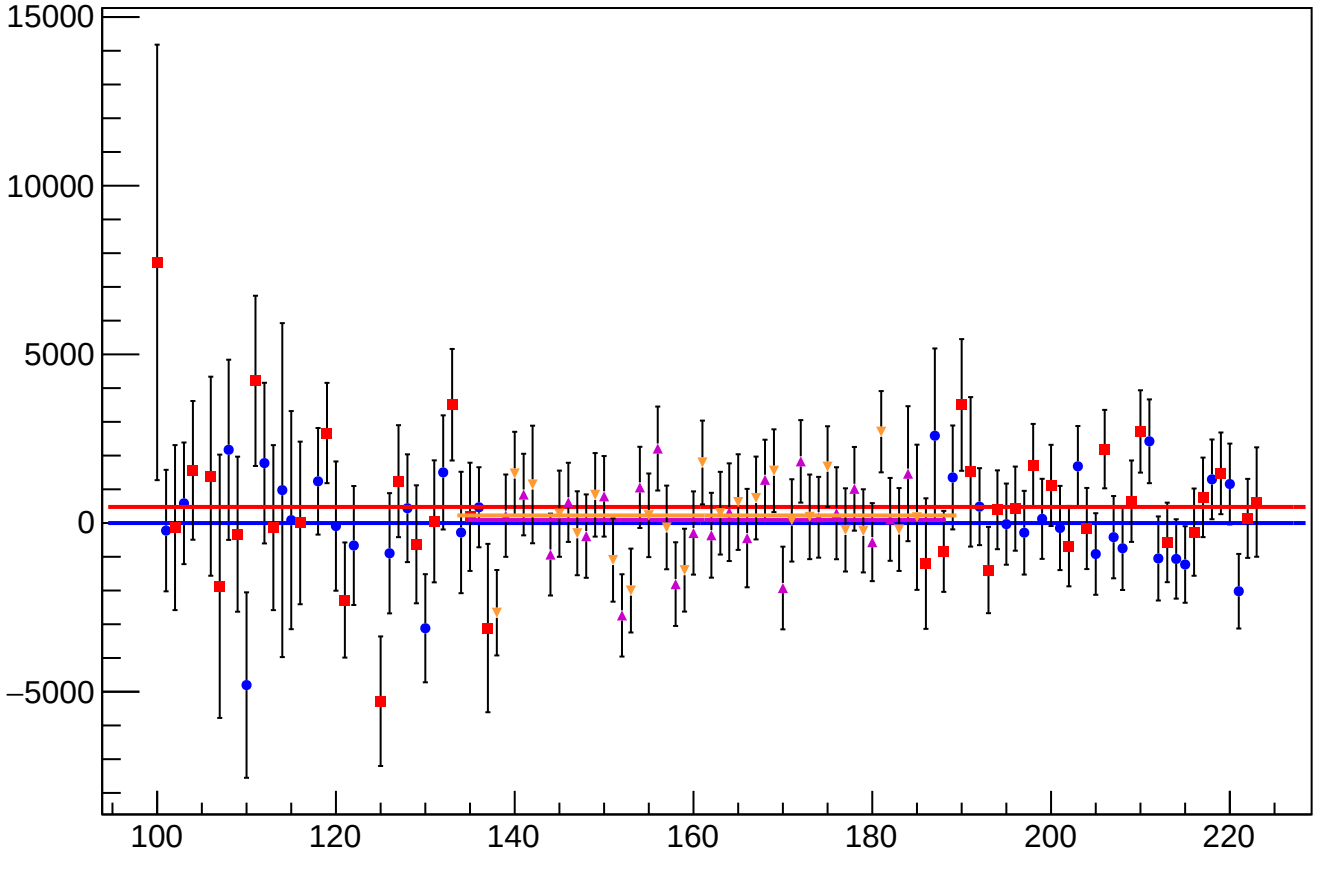
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 558.503+/-0.063 χ^2/NDF: 8579009.0/71

In: 549.745+/-0.064 χ^2/NDF:4861571.7/56

Out: 560.586+/-0.065 χ^2/NDF:5997669.4/61

All: 555.081+/-0.045 χ^2/NDF: 10873517.2/11



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

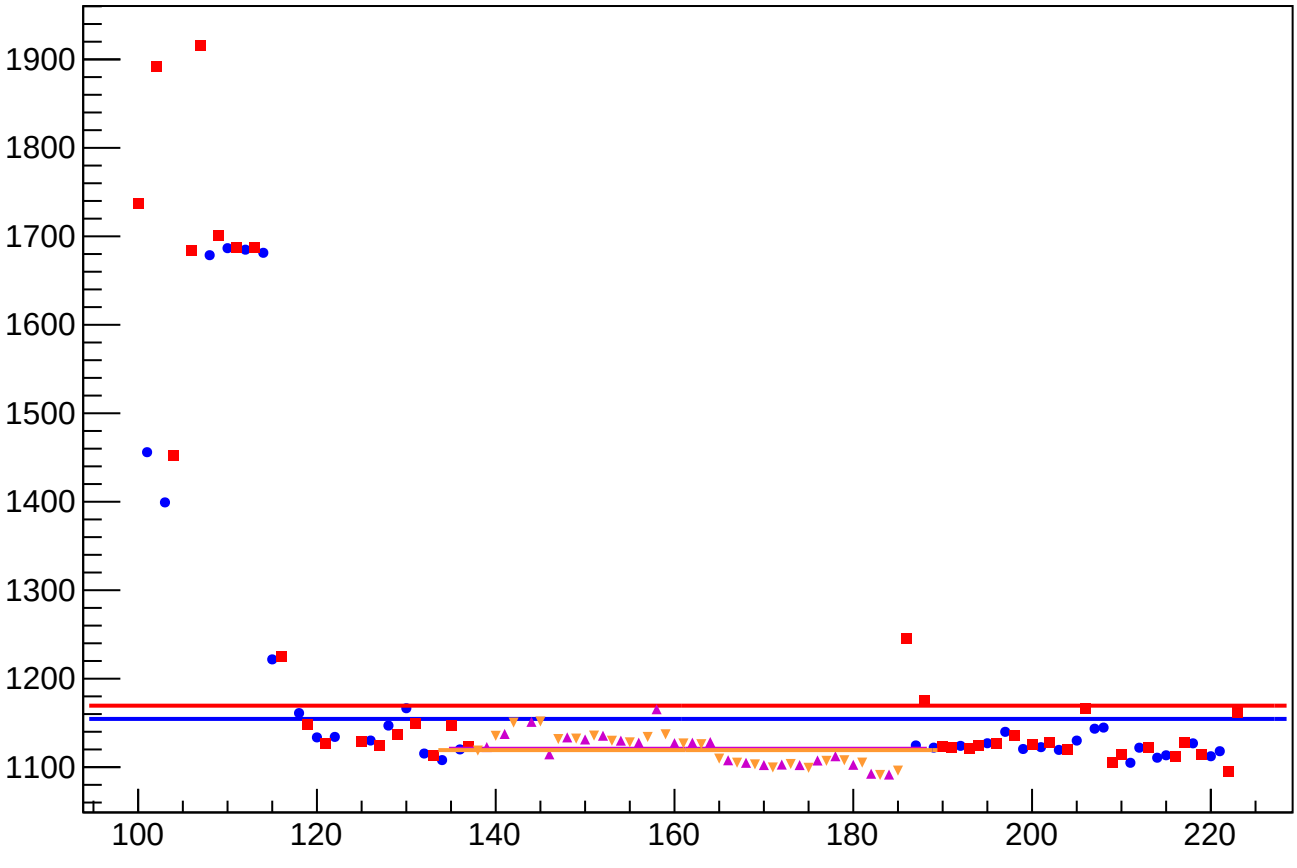
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 238.234+/-174.629 χ^2/NDF: 70.4/71

In: 41.831+/-179.526 χ^2/NDF:48.0/56

Out: 357.879+/-179.097 χ^2/NDF:63.8/61

All: 200.233+/-126.792 χ^2/NDF: 113.4/118



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

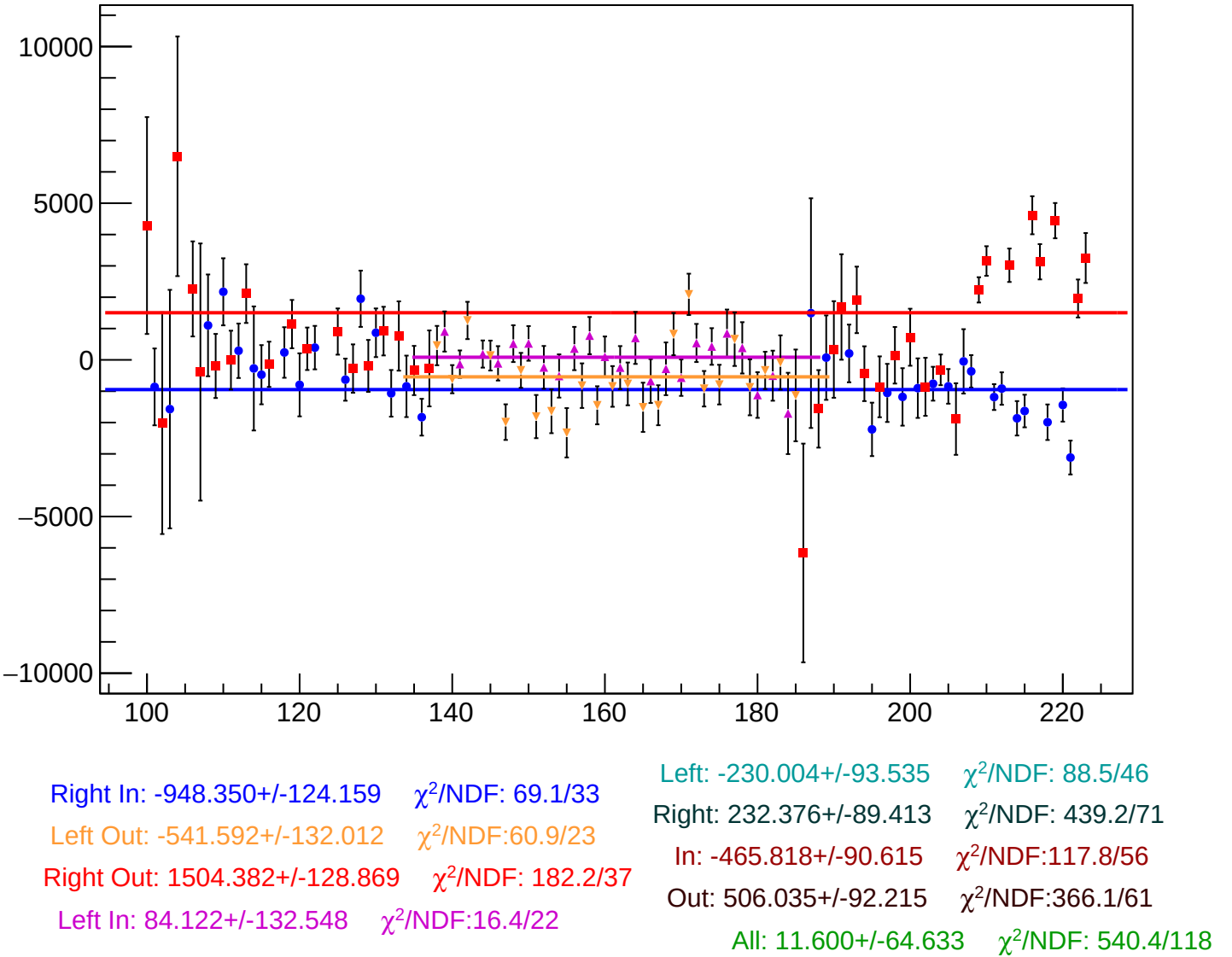
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

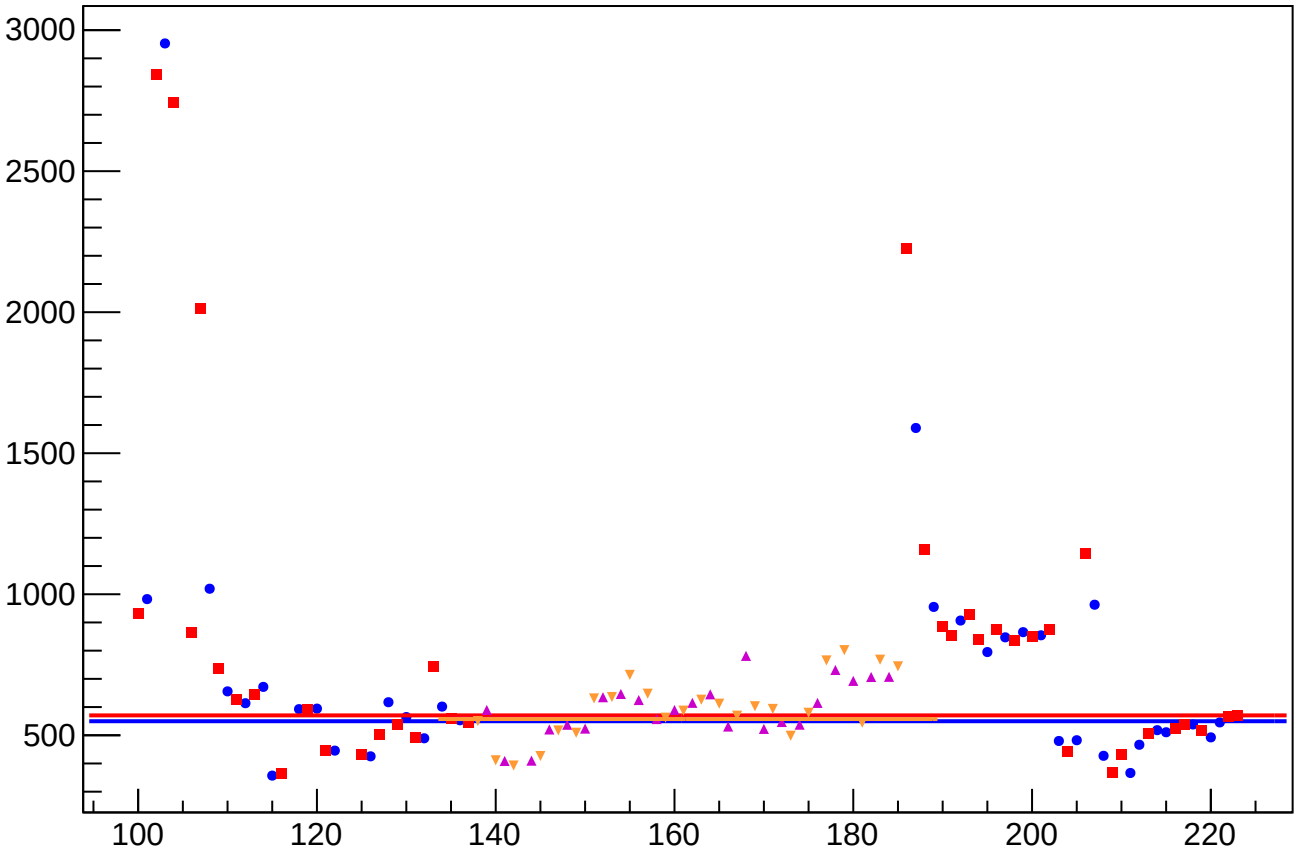
Right: 1161.991+/-0.123 χ^2/NDF: 1109674.9/71

In: 1138.652+/-0.127 χ^2/NDF:425226.8/56

Out: 1145.626+/-0.127 χ^2/NDF:755157.3/61

All: 1142.147+/-0.090 χ^2/NDF: 1181896.6/11


asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -948.350+/-124.159 χ²/NDF: 69.1/33
Left Out: -541.592+/-132.012 χ²/NDF:60.9/23
Right Out: 1504.382+/-128.869 χ²/NDF: 182.2/37
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: 232.376+/-89.413 χ²/NDF: 439.2/71
In: -465.818+/-90.615 χ²/NDF:117.8/56
Out: 506.035+/-92.215 χ²/NDF:366.1/61
All: 11.600+/-64.633 χ²/NDF: 540.4/118



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

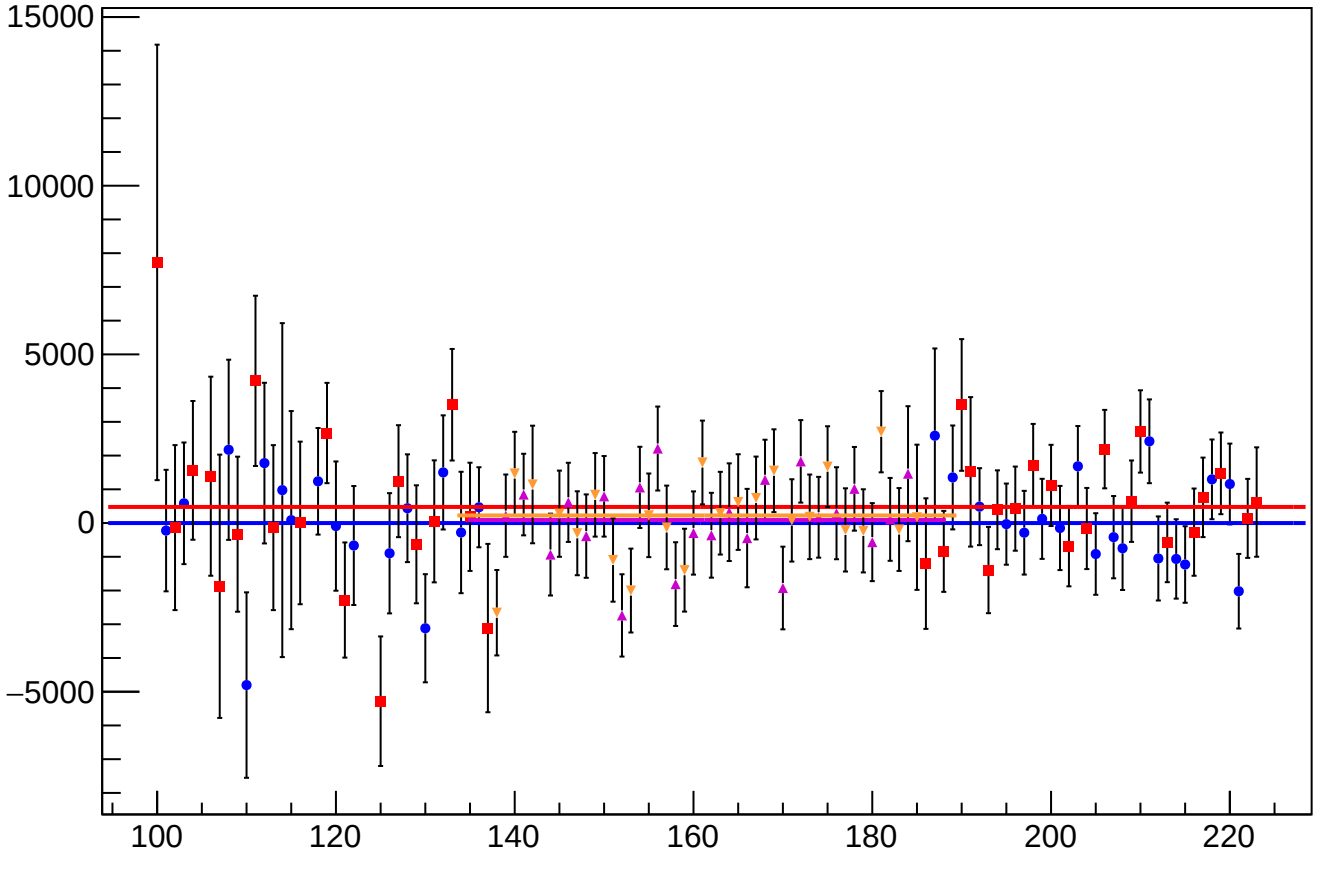
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 559.764+/-0.063 χ^2/NDF: 9849975.2/71

In: 553.820+/-0.064 χ^2/NDF:4967147.8/56

Out: 564.196+/-0.065 χ^2/NDF:7091442.1/61

All: 558.917+/-0.046 χ^2/NDF: 12071472.2/11



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

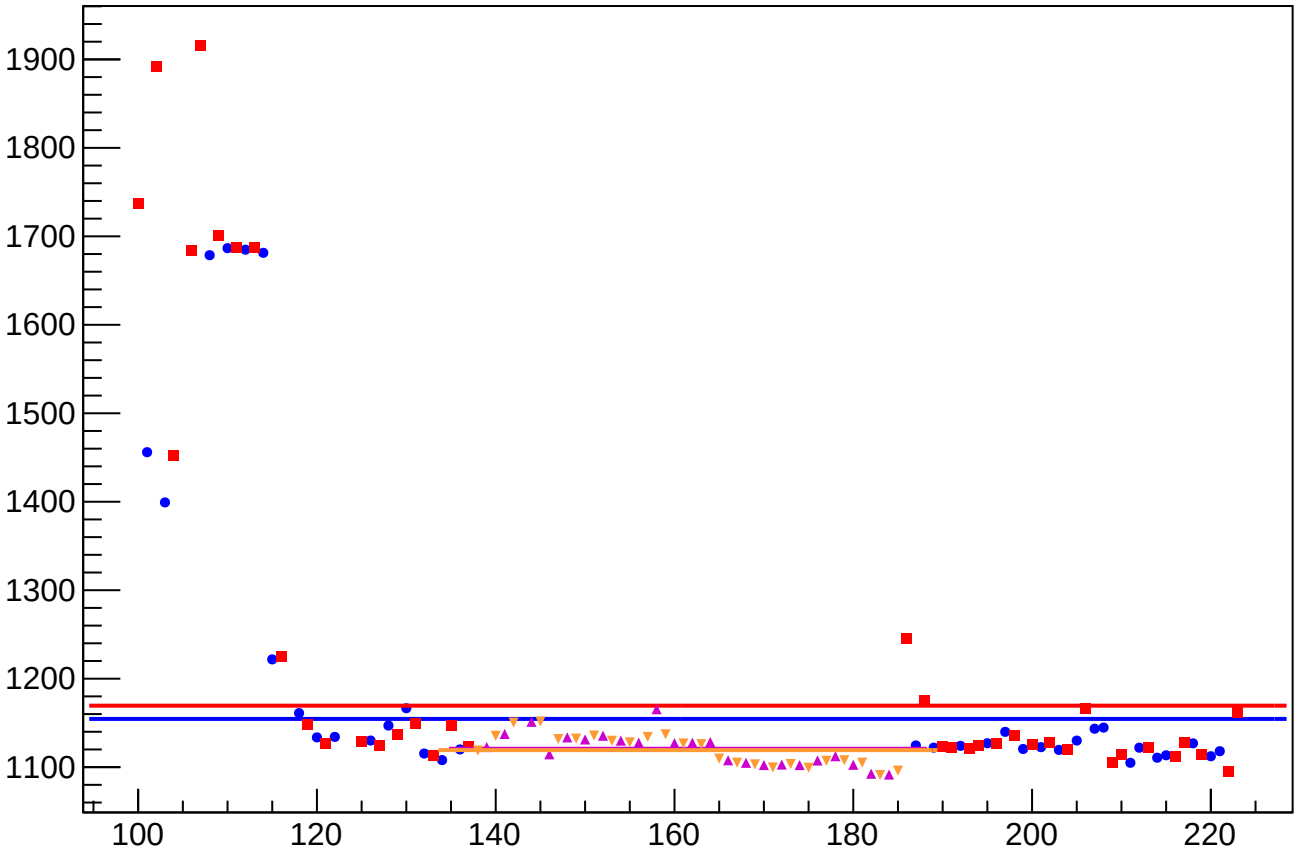
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 238.234+/-174.629 χ^2/NDF: 70.4/71

In: 41.832+/-179.526 χ^2/NDF:48.0/56

Out: 357.878+/-179.097 χ^2/NDF:63.8/61

All: 200.233+/-126.792 χ^2/NDF: 113.3/118



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

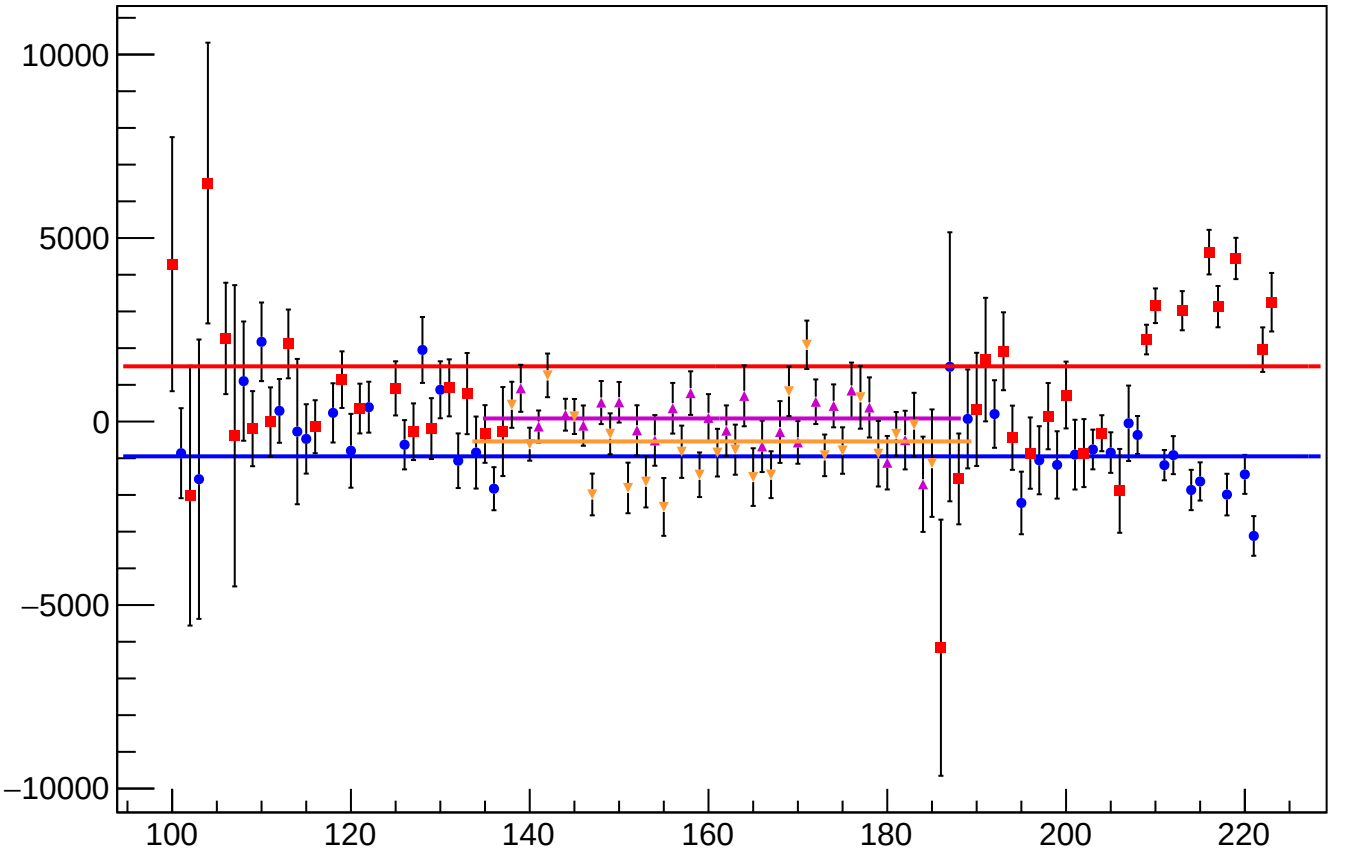
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1161.991+/-0.123 χ^2/NDF: 1109673.7/71

In: 1138.652+/-0.127 χ^2/NDF:425226.2/56

Out: 1145.626+/-0.127 χ^2/NDF:755156.6/61

All: 1142.147+/-0.090 χ^2/NDF: 1181895.4/11



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

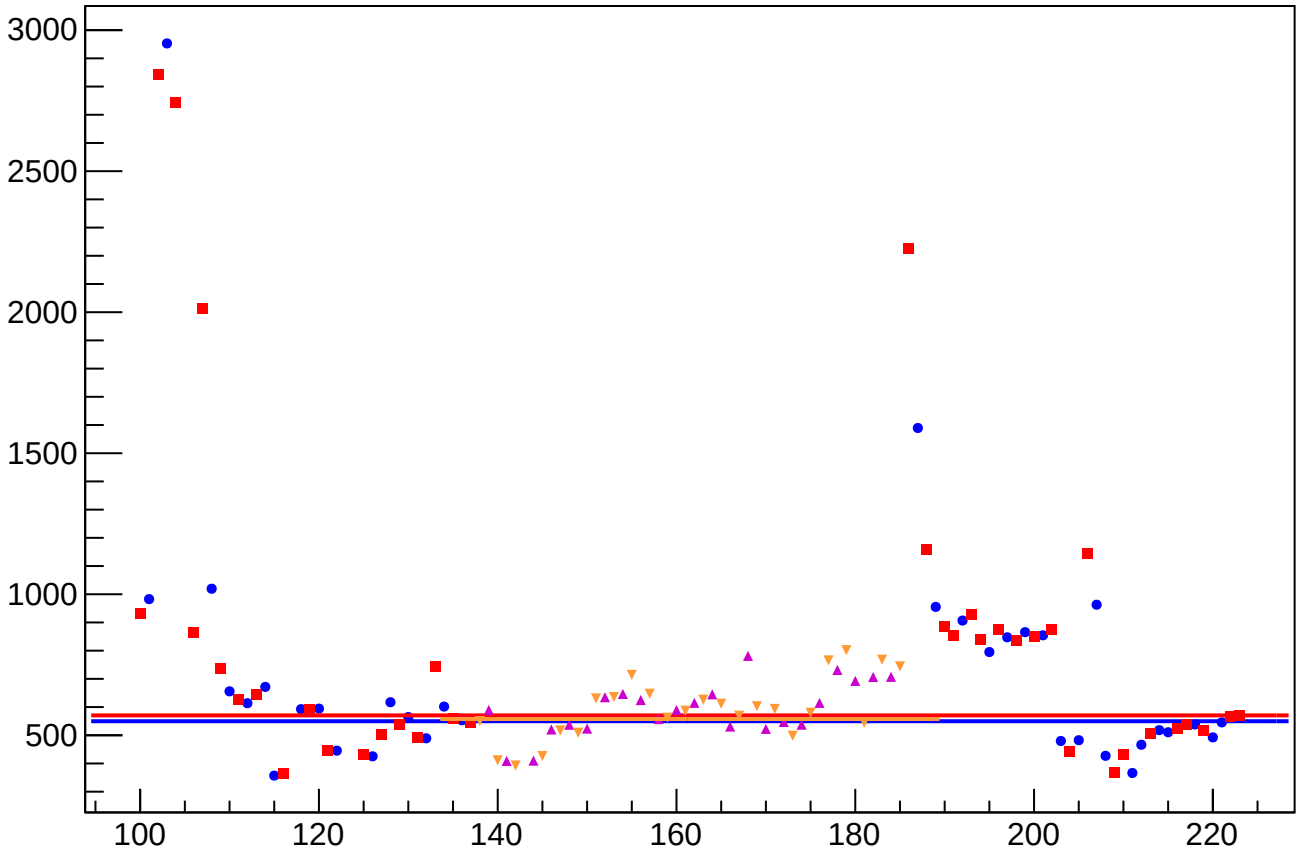
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 232.376+/-89.413 χ^2/NDF: 439.2/71

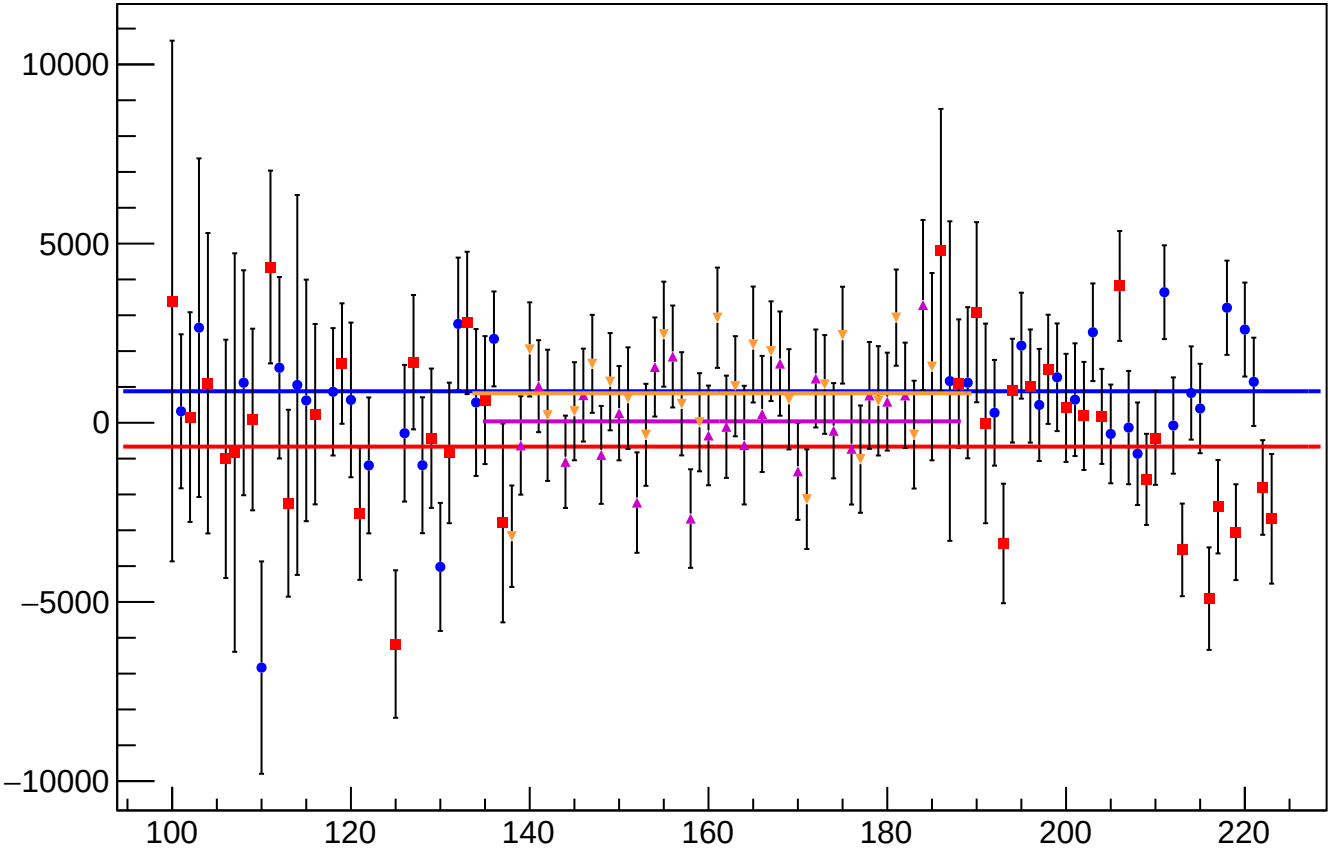
In: -465.817+/-90.614 χ^2/NDF:117.8/56

Out: 506.036+/-92.215 χ^2/NDF:366.1/61

All: 11.601+/-64.633 χ^2/NDF: 540.4/118


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 549.808+/-0.088 χ²/NDF: 3934867.9/33
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 570.490+/-0.091 χ²/NDF: 5888403.6/37
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 559.764+/-0.063 χ²/NDF: 9849987.0/71
In: 553.820+/-0.064 χ²/NDF:4967165.4/56
Out: 564.196+/-0.065 χ²/NDF:7091472.0/61
All: 558.917+/-0.046 χ²/NDF: 12071519.6/11

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

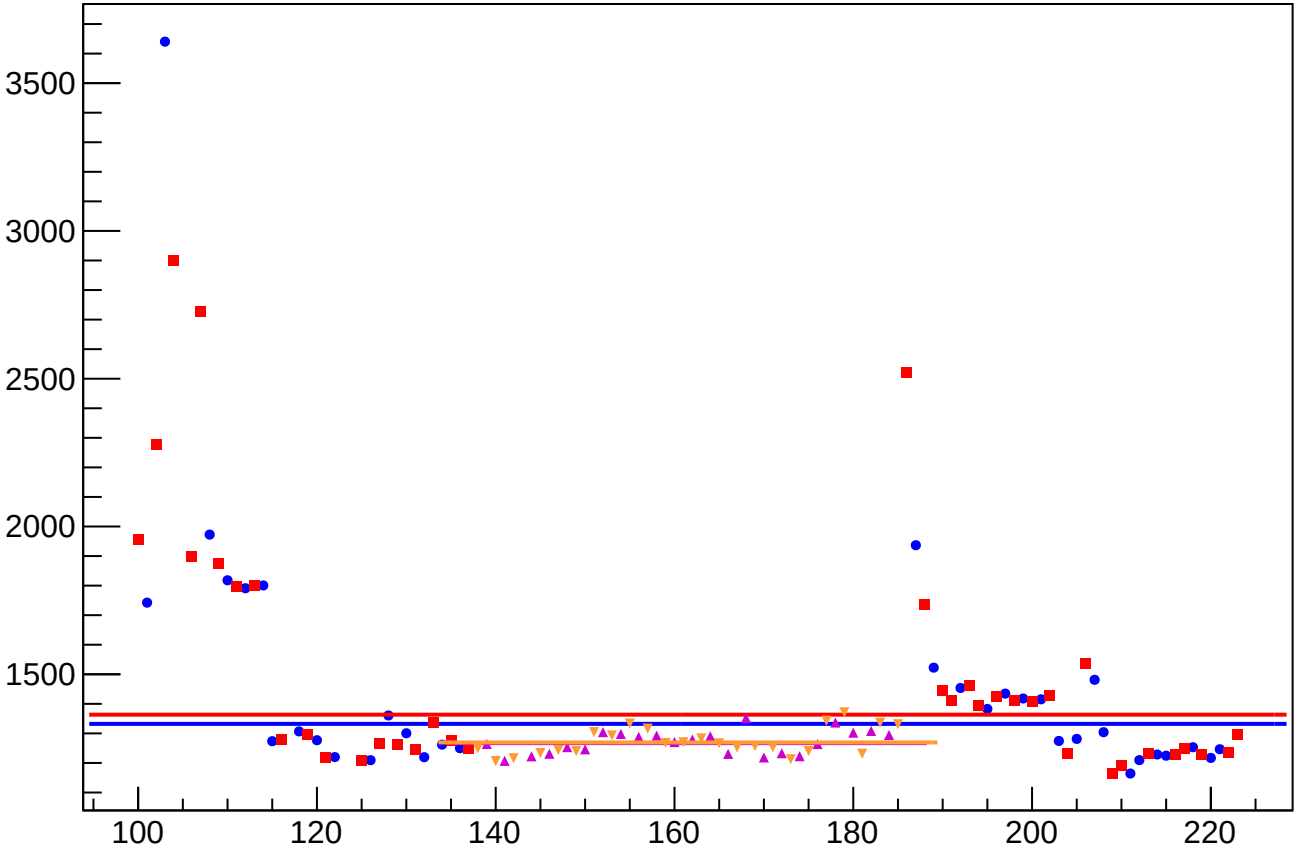
Right: 116.873+/-204.337 χ^2/NDF: 112.6/71

In: 472.377+/-206.127 χ^2/NDF:56.8/56

Out: 68.821+/-207.030 χ^2/NDF:102.6/61

All: 271.481+/-146.072 χ^2/NDF: 161.4/118

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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

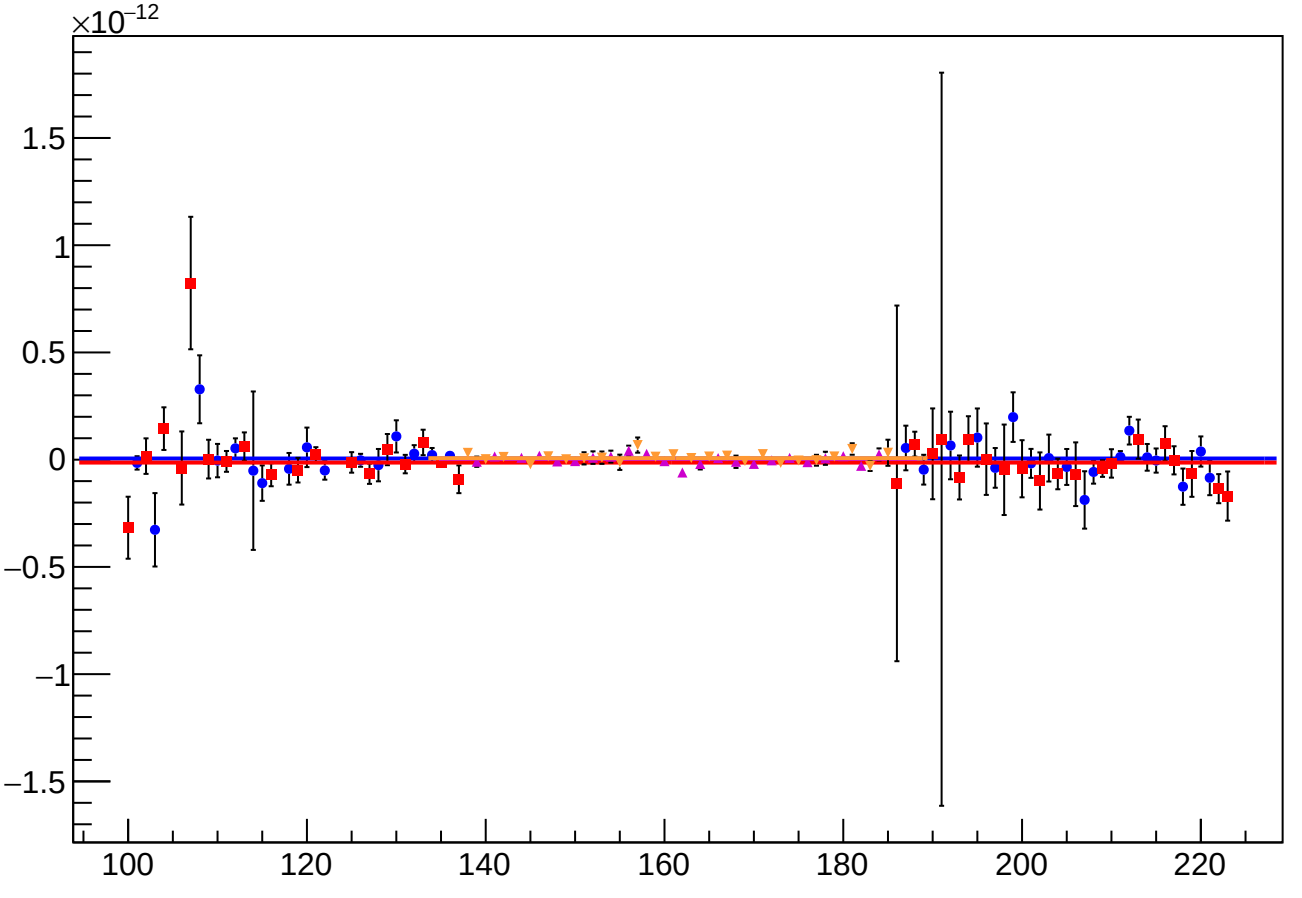
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1347.625+/-0.144 χ^2/NDF: 2438292.0/71

In: 1300.638+/-0.146 χ^2/NDF:1113202.5/56

Out: 1317.066+/-0.146 χ^2/NDF:1543955.9/61

All: 1308.816+/-0.103 χ^2/NDF: 2663482.1/11



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

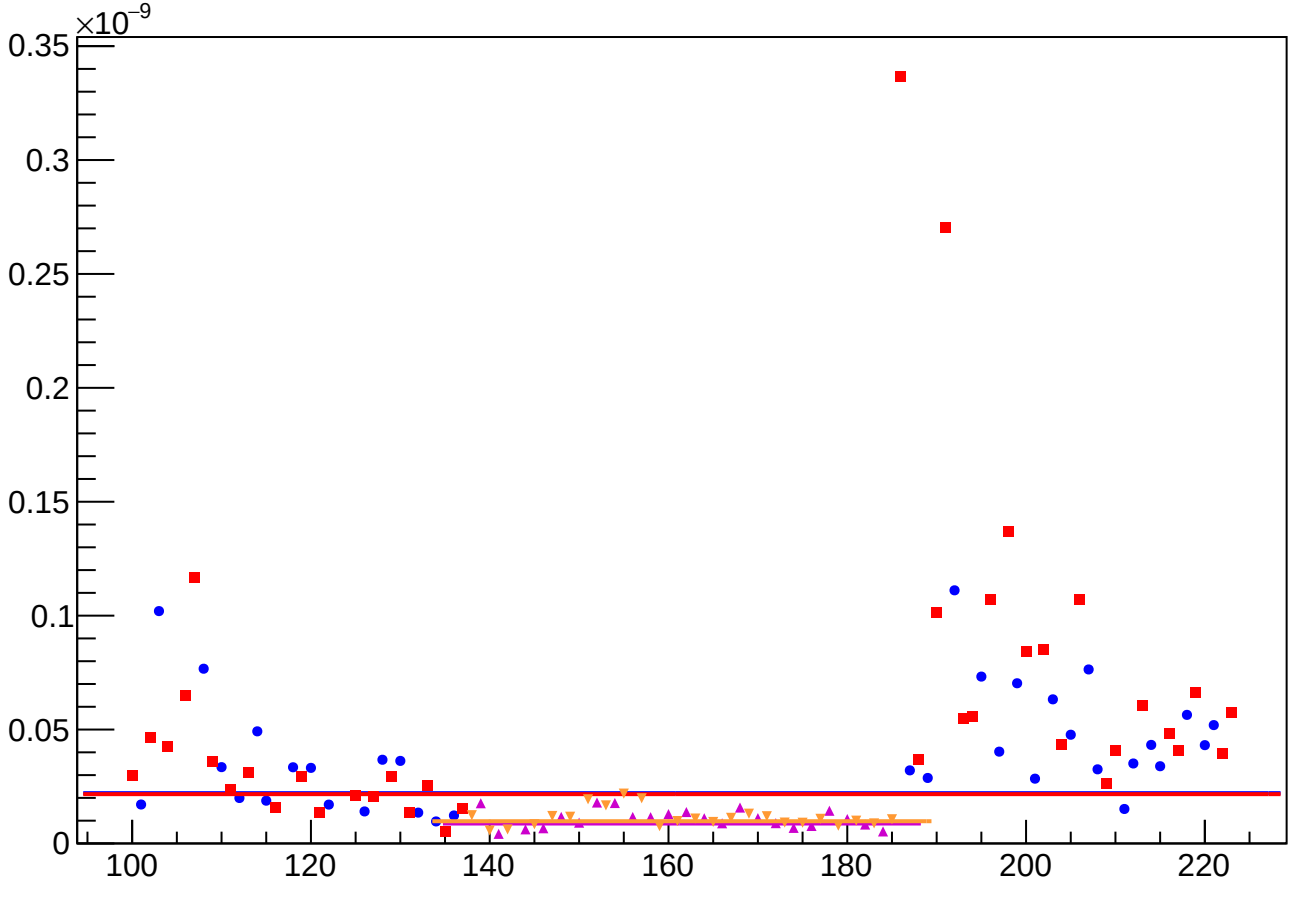
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 72.8/71

In: 0.000+/-0.000 χ^2/NDF:56.1/56

Out: 0.000+/-0.000 χ^2/NDF:61.4/61

All: 0.000+/-0.000 χ^2/NDF: 117.6/118



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

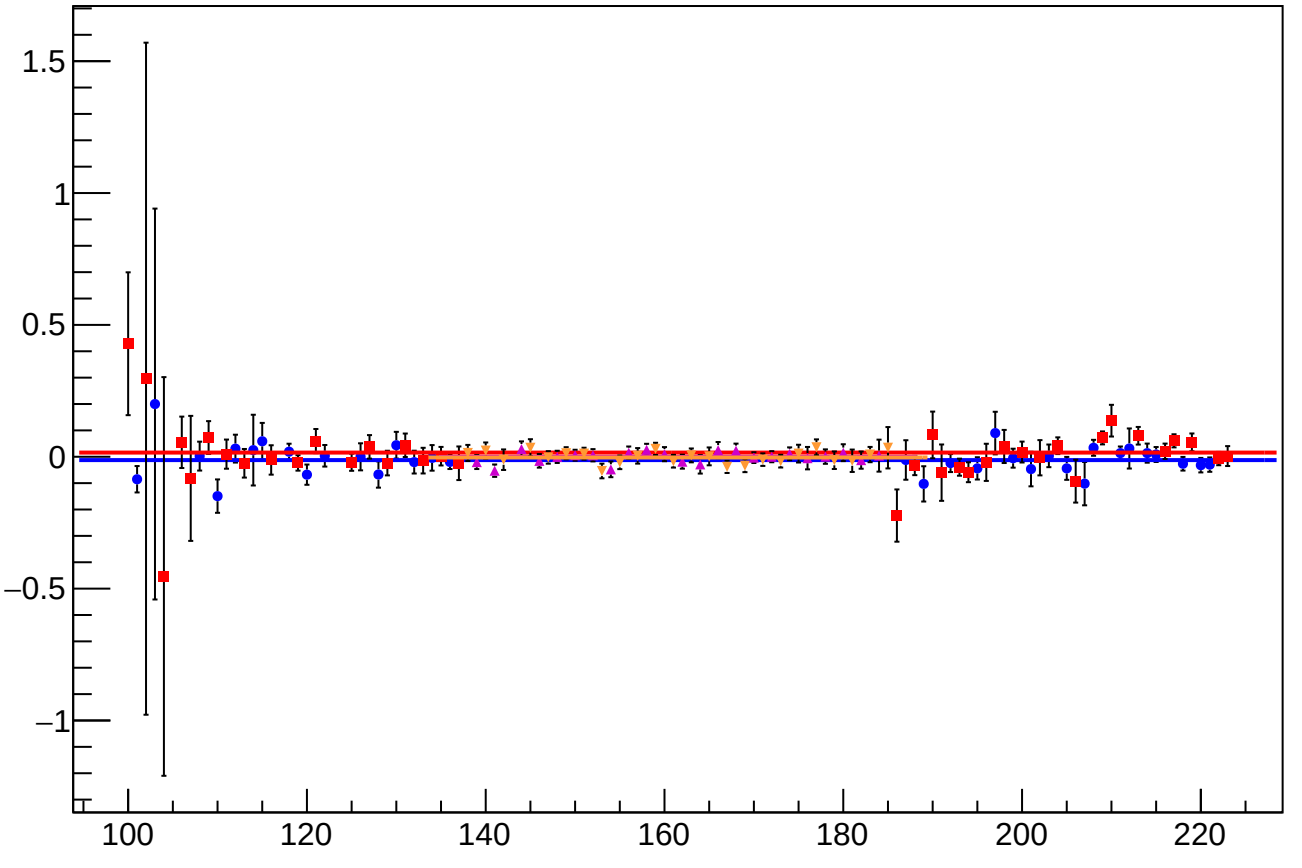
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 14536348.4/71

In: 0.000+/-0.000 χ^2/NDF:11384198.5/56

Out: 0.000+/-0.000 χ^2/NDF:13016301.8/61

All: 0.000+/-0.000 χ^2/NDF: 24463204.9/118



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

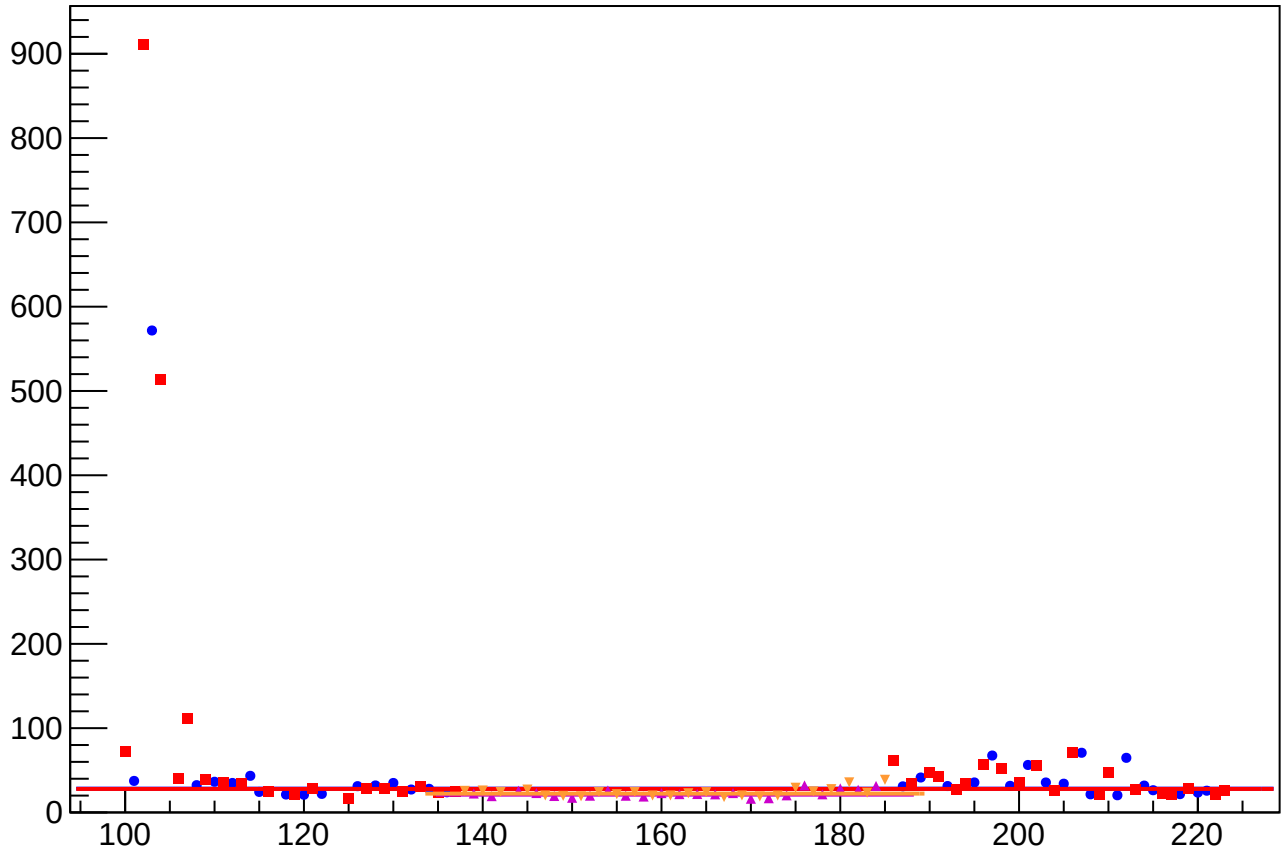
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: 0.002+/-0.005 χ^2/NDF: 83.3/71

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.5/61

All: -0.000+/-0.003 χ^2/NDF: 114.9/118



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

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

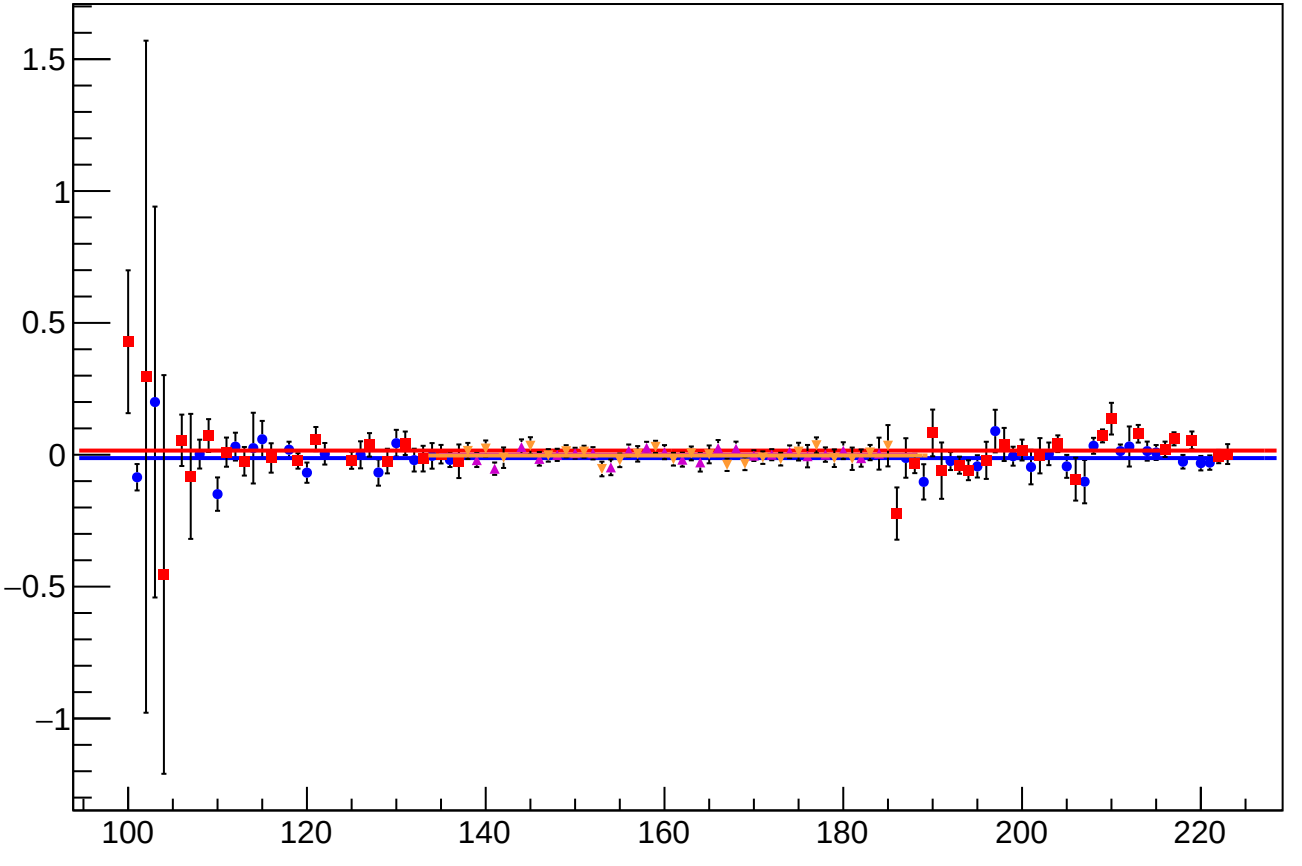
Right: 28.059+/-0.003 χ^2/NDF: 9684754.8/71

In: 23.821+/-0.003 χ^2/NDF:6331537.0/56

Out: 24.589+/-0.003 χ^2/NDF:7050216.0/61

All: 24.196+/-0.002 χ^2/NDF: 13413042.7/118

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

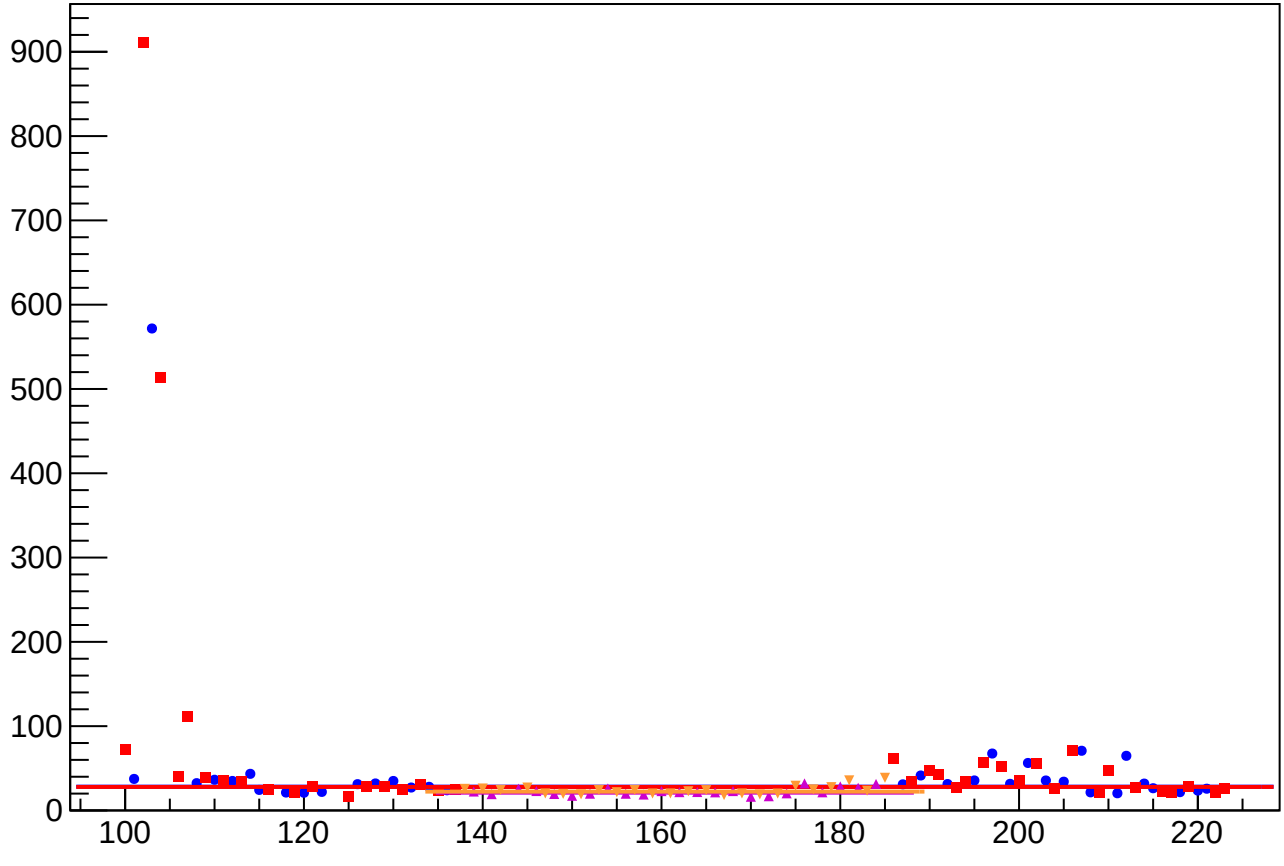
Right: 0.002+/-0.005 χ^2/NDF: 83.3/71

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.5/61

All: -0.000+/-0.003 χ^2/NDF: 114.9/118

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

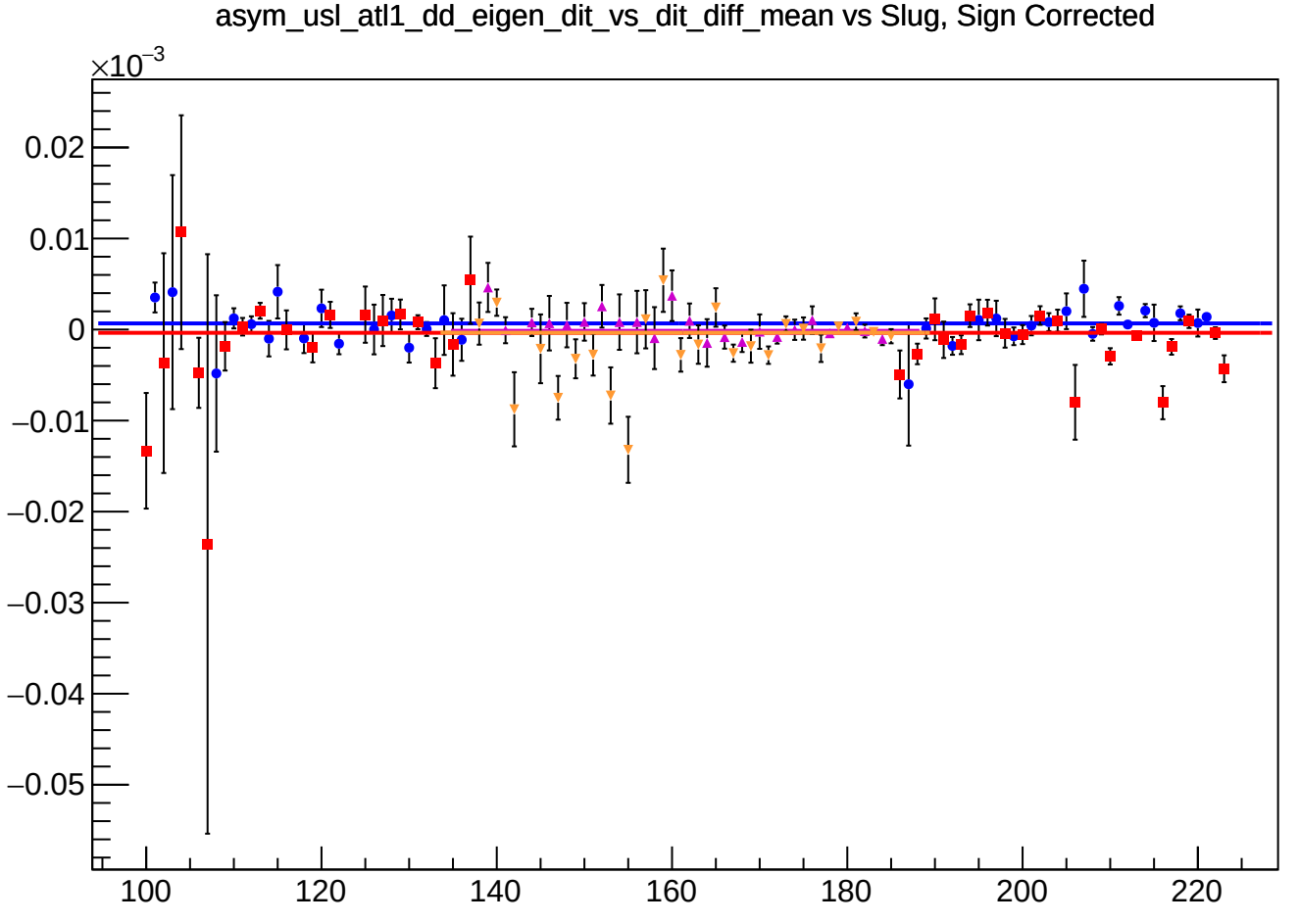
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.059+/-0.003 χ^2/NDF: 9684754.8/71

In: 23.821+/-0.003 χ^2/NDF:6331537.0/56

Out: 24.589+/-0.003 χ^2/NDF:7050216.0/61

All: 24.196+/-0.002 χ^2/NDF: 13413042.7/118



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

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

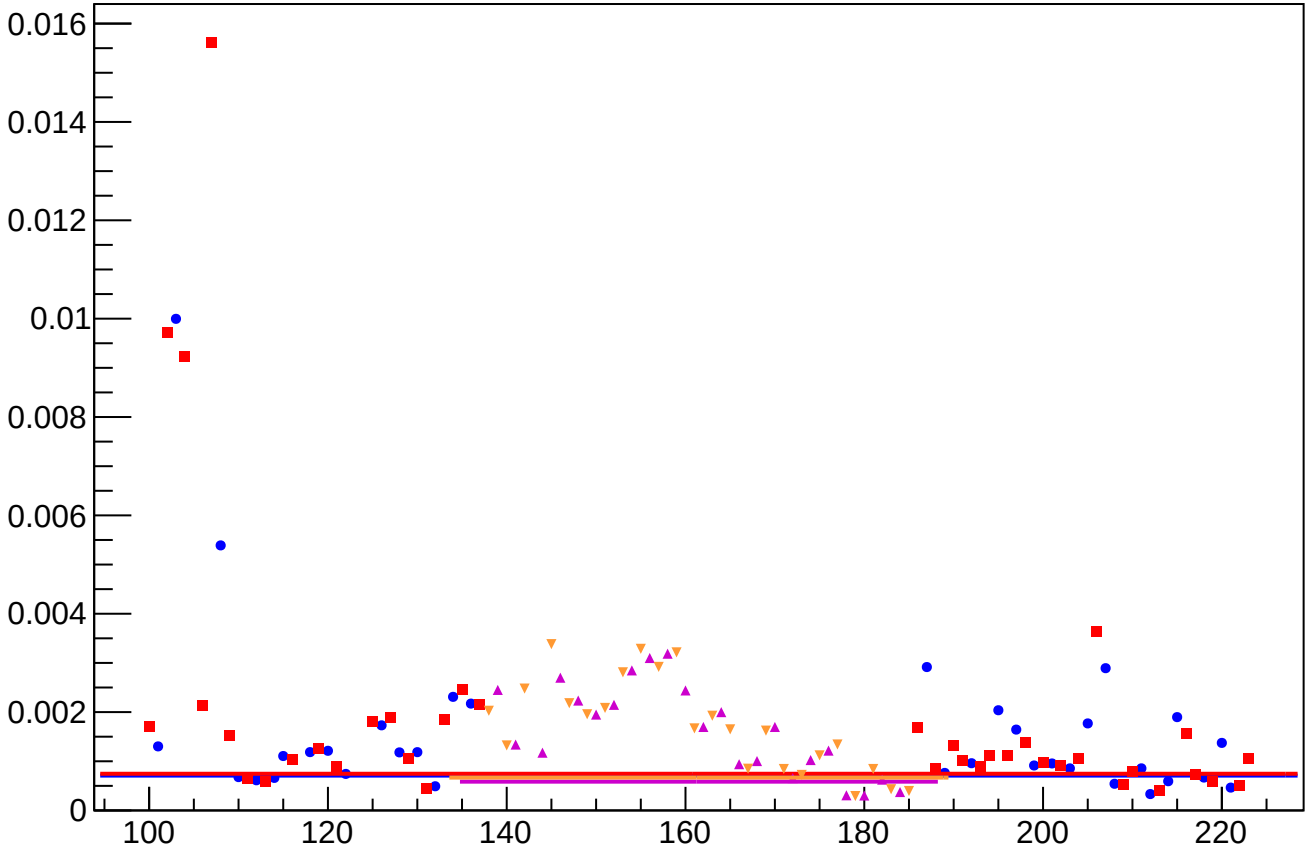
Right: 0.000+/-0.000 χ^2/NDF: 145.3/71

In: 0.000+/-0.000 χ^2/NDF:65.6/56

Out: -0.000+/-0.000 χ^2/NDF:156.5/61

All: -0.000+/-0.000 χ^2/NDF: 232.7/118

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

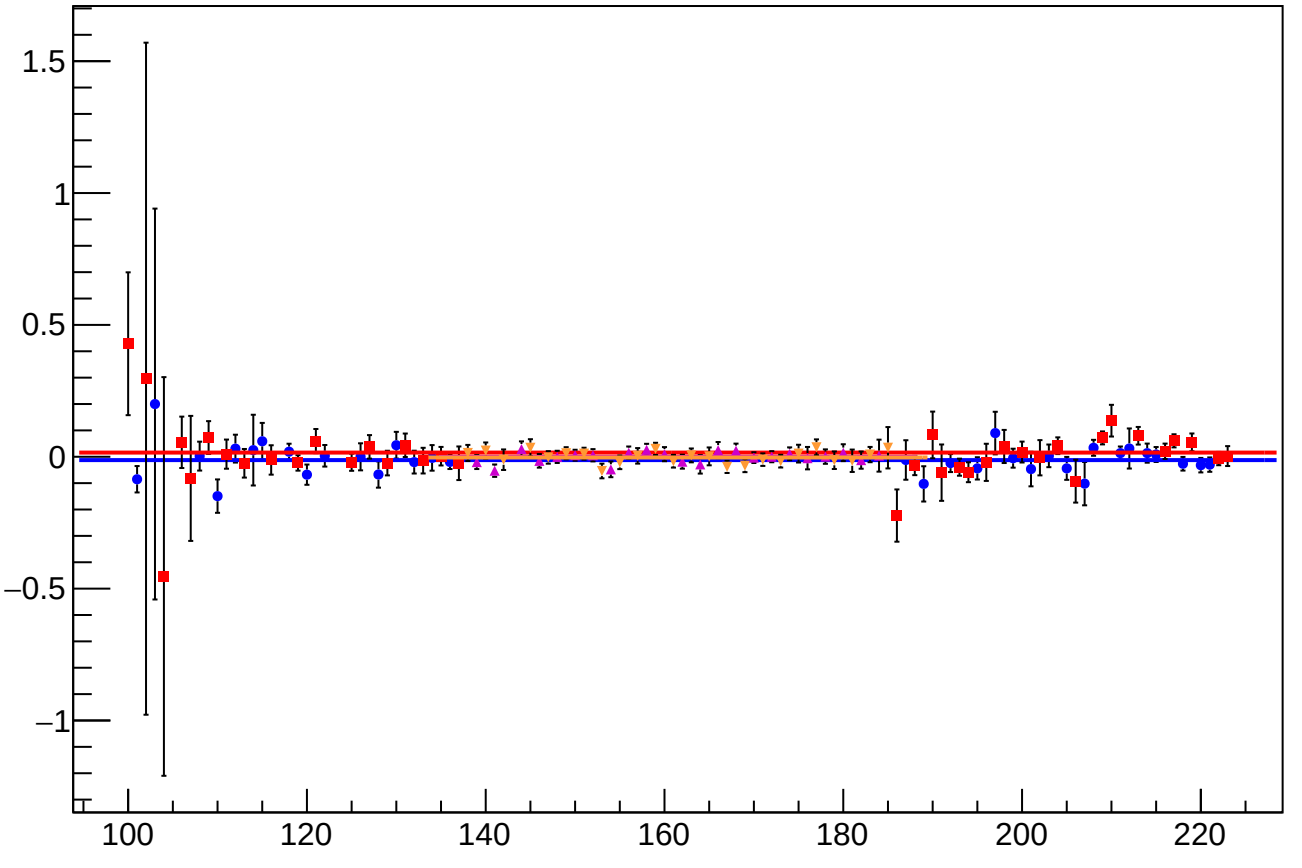
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 20696761.2/71

In: 0.001+/-0.000 χ^2/NDF:27054242.1/56

Out: 0.001+/-0.000 χ^2/NDF:25234480.7/61

All: 0.001+/-0.000 χ^2/NDF: 52494776.9/118



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

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

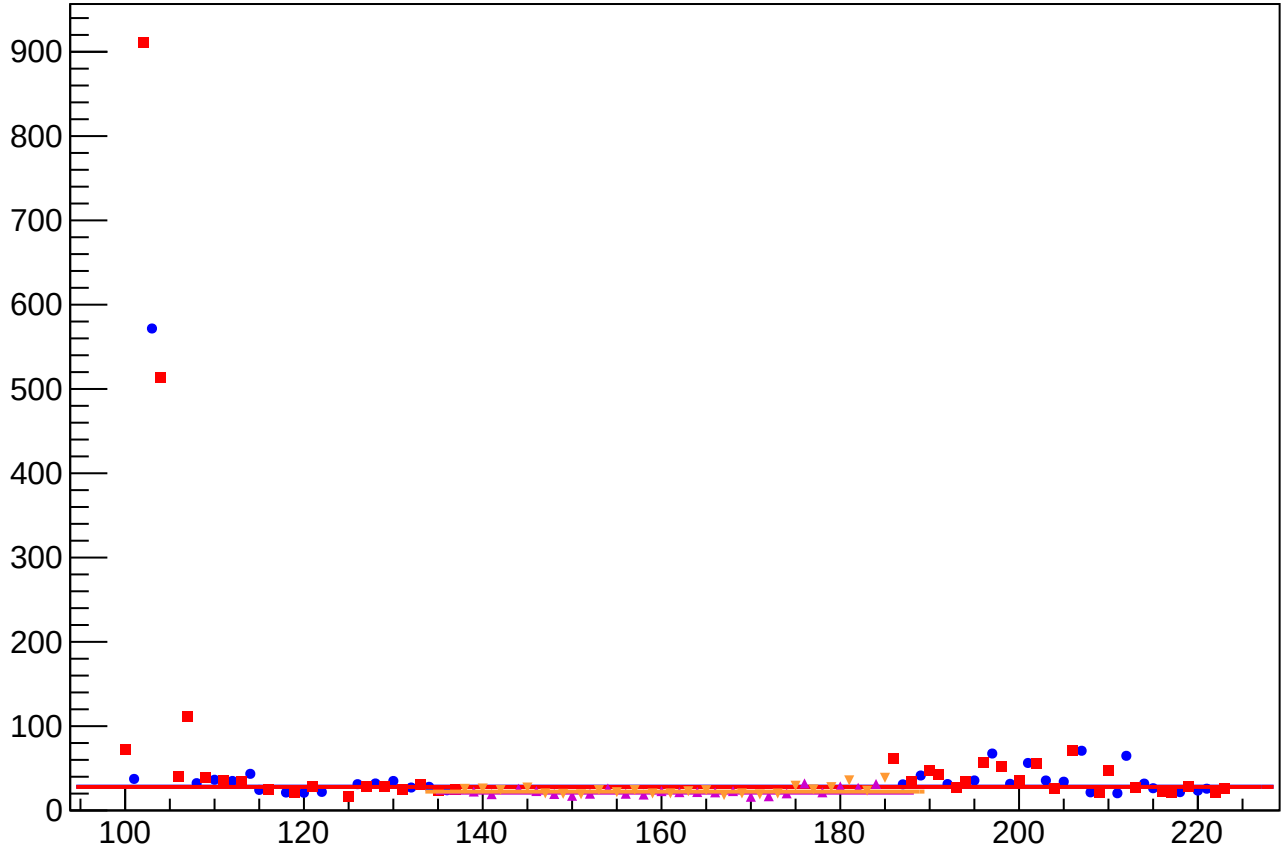
Right: 0.002+/-0.005 χ^2/NDF: 83.3/71

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.5/61

All: -0.000+/-0.003 χ^2/NDF: 114.9/118

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

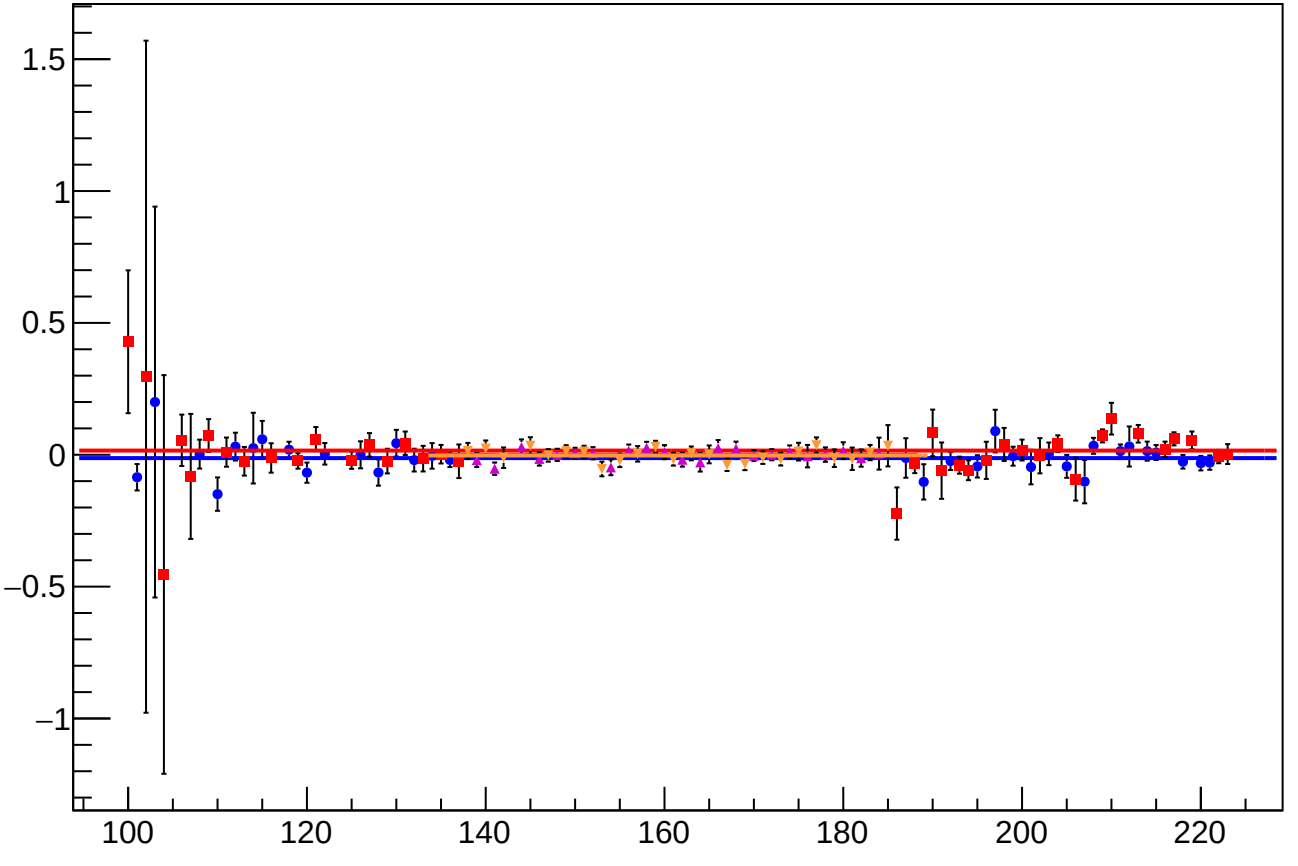
Right: 28.059+/-0.003 χ^2/NDF: 9684874.3/71

In: 23.820+/-0.003 χ^2/NDF:6331620.2/56

Out: 24.589+/-0.003 χ^2/NDF:7050278.8/61

All: 24.196+/-0.002 χ^2/NDF: 13413185.8/118

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

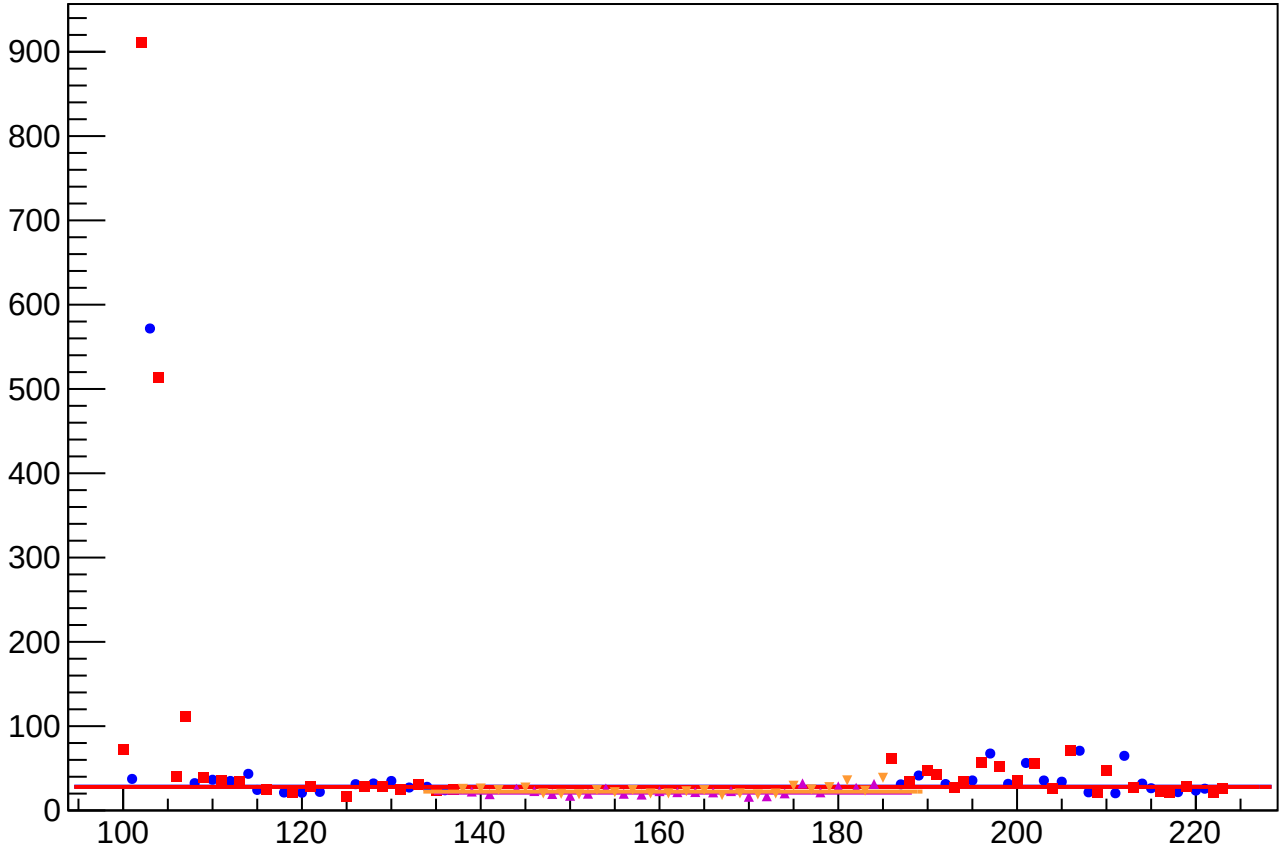
Right: 0.002+/-0.005 χ^2/NDF: 83.3/71

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.5/61

All: -0.000+/-0.003 χ^2/NDF: 114.9/118

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

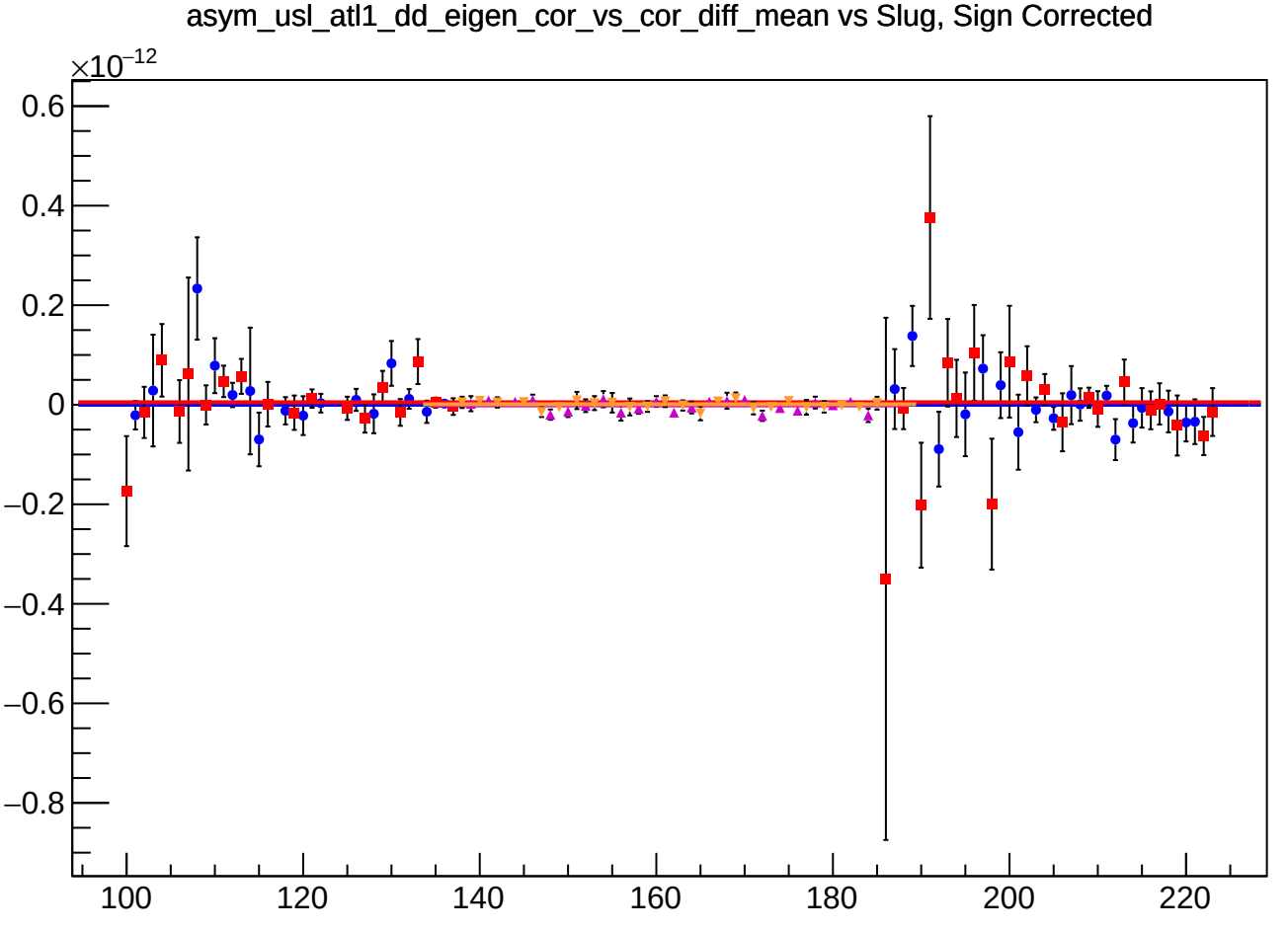
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.059+/-0.003 χ^2/NDF: 9684874.3/71

In: 23.820+/-0.003 χ^2/NDF:6331620.2/56

Out: 24.589+/-0.003 χ^2/NDF:7050278.8/61

All: 24.196+/-0.002 χ^2/NDF: 13413185.8/118



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

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

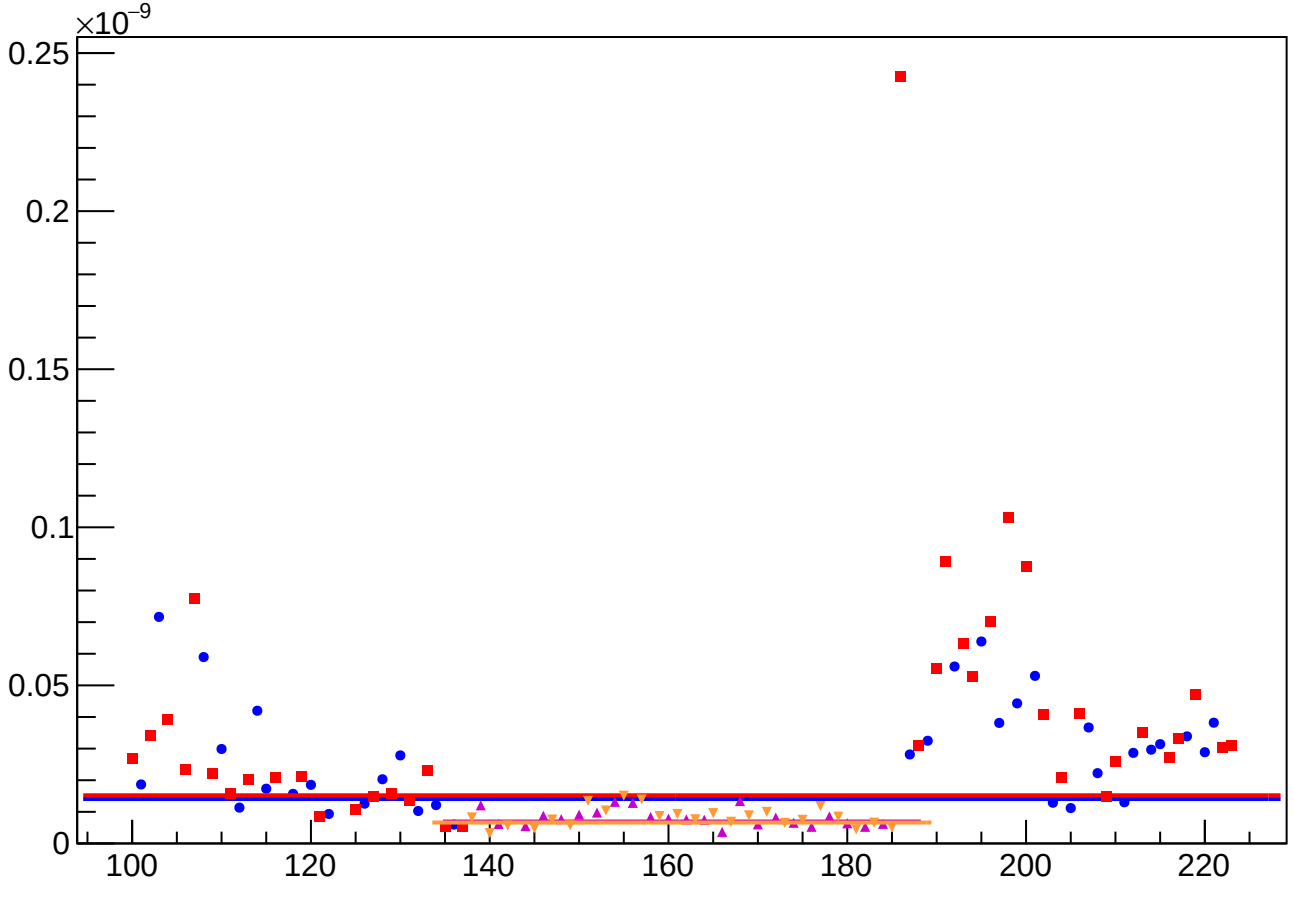
Right: 0.000+/-0.000 χ^2/NDF: 66.6/71

In: -0.000+/-0.000 χ^2/NDF:58.0/56

Out: 0.000+/-0.000 χ^2/NDF:46.1/61

All: 0.000+/-0.000 χ^2/NDF: 105.0/118

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

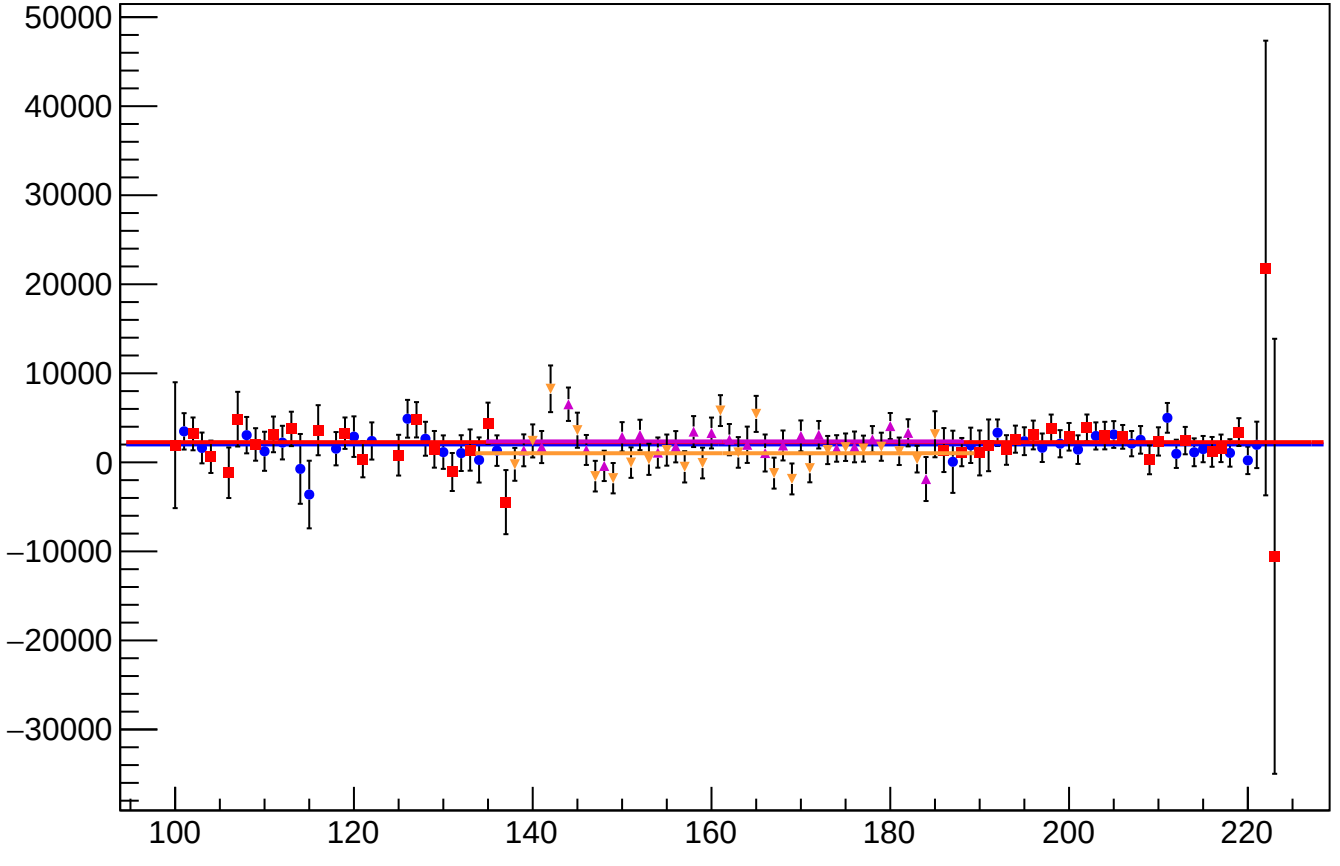
Right: 0.000+/-0.000 χ^2/NDF: 20742084.6/71

In: 0.000+/-0.000 χ^2/NDF:15091550.2/56

Out: 0.000+/-0.000 χ^2/NDF:19754091.8/61

All: 0.000+/-0.000 χ^2/NDF: 34875294.5/118

reg_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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

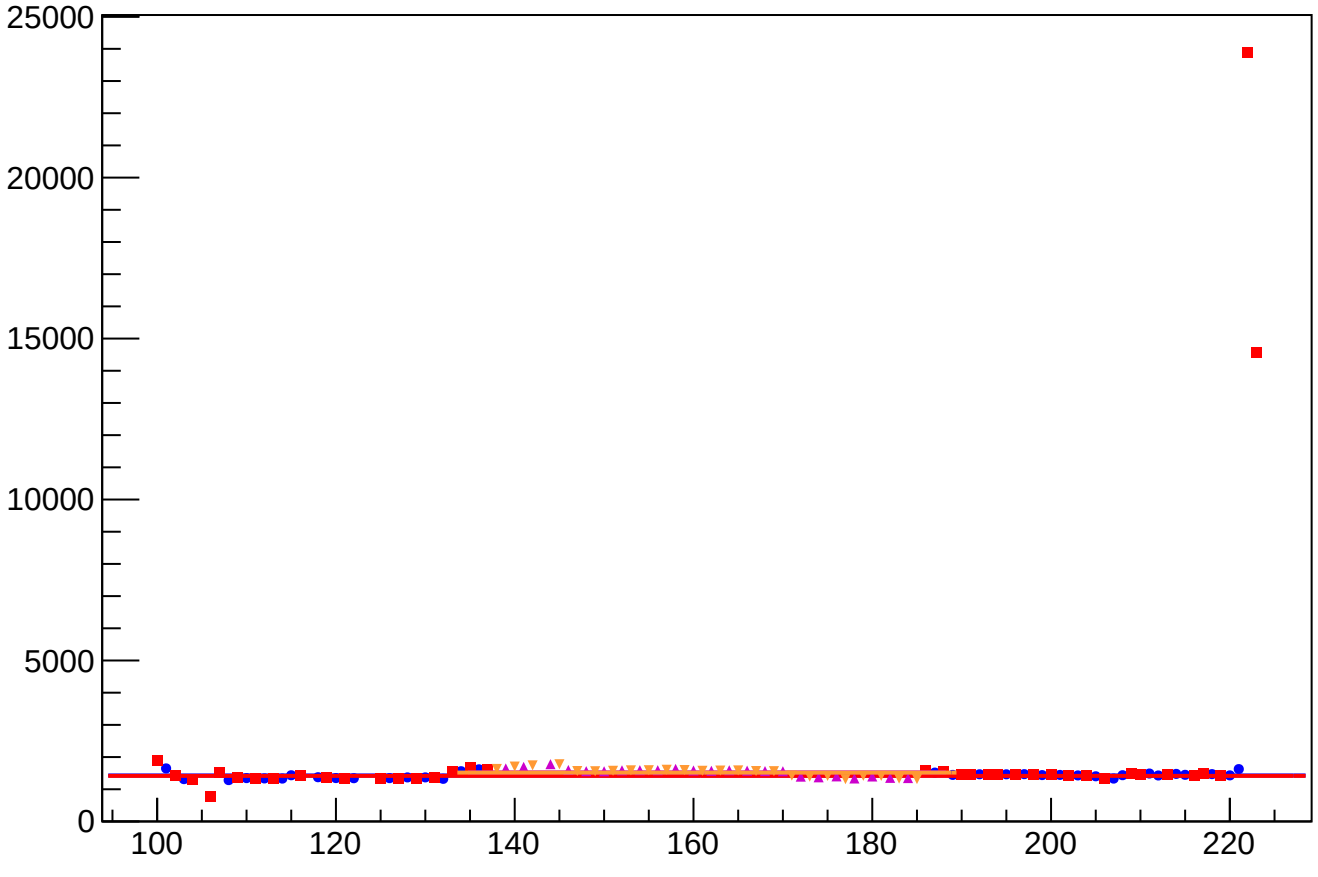
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2139.086+/-219.188 χ^2/NDF: 37.7/71

In: 2156.605+/-233.695 χ^2/NDF:31.6/56

Out: 1724.435+/-233.433 χ^2/NDF:65.7/61

All: 1940.278+/-165.155 χ^2/NDF: 99.0/118



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

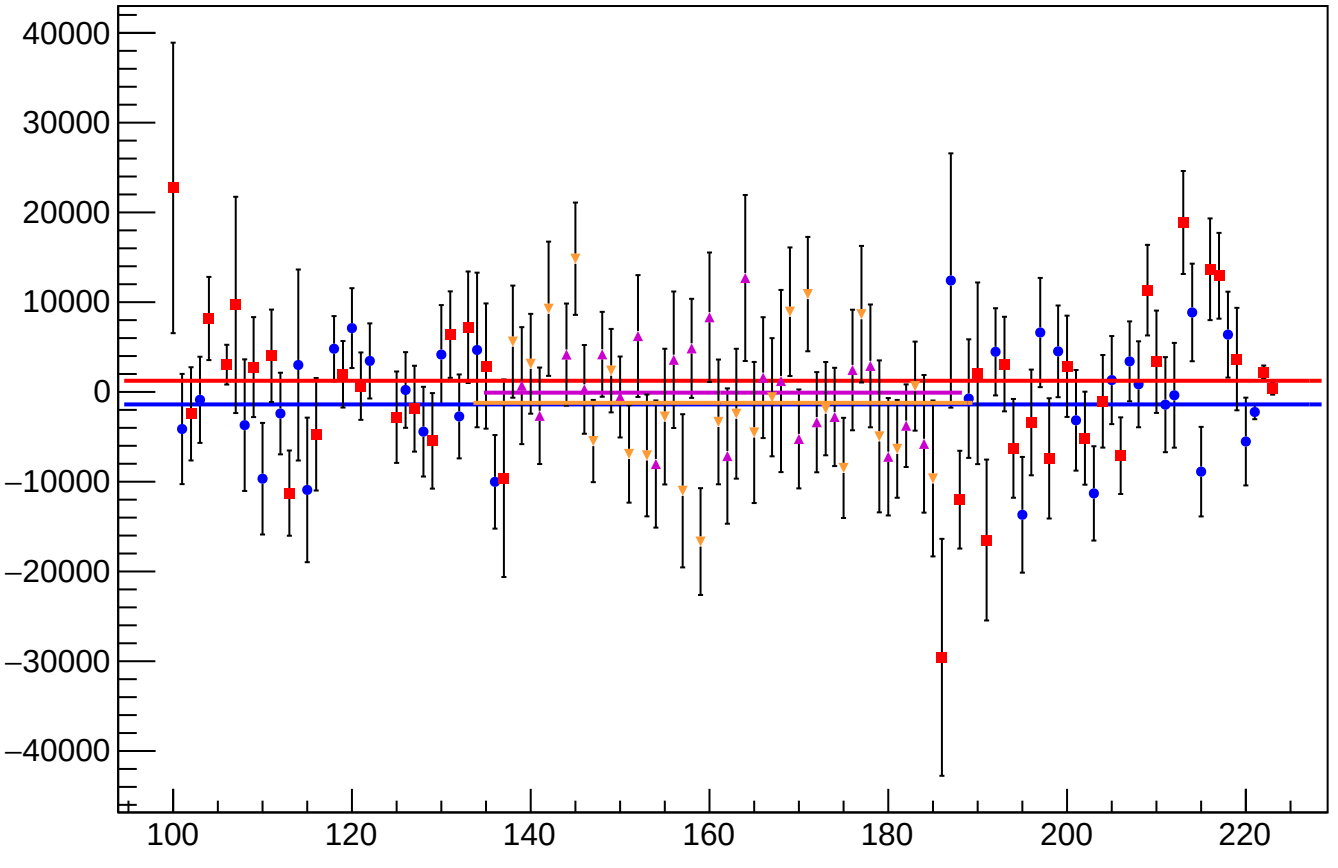
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1422.333+/-0.154 χ^2/NDF: 2678567.3/71

In: 1469.699+/-0.165 χ^2/NDF:440005.6/56

Out: 1459.809+/-0.164 χ^2/NDF:2871541.1/61

All: 1464.716+/-0.116 χ^2/NDF: 3313351.3/11



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

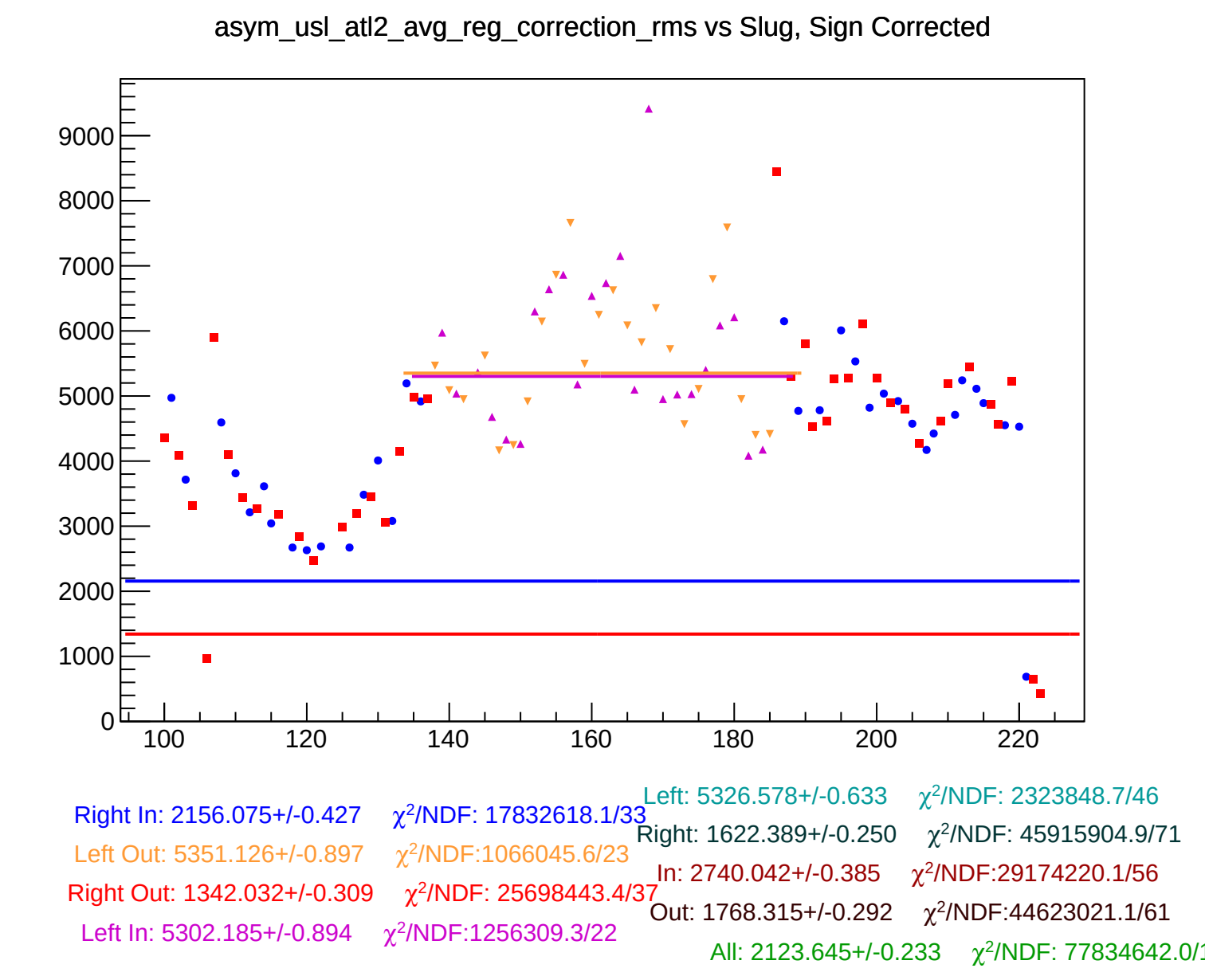
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

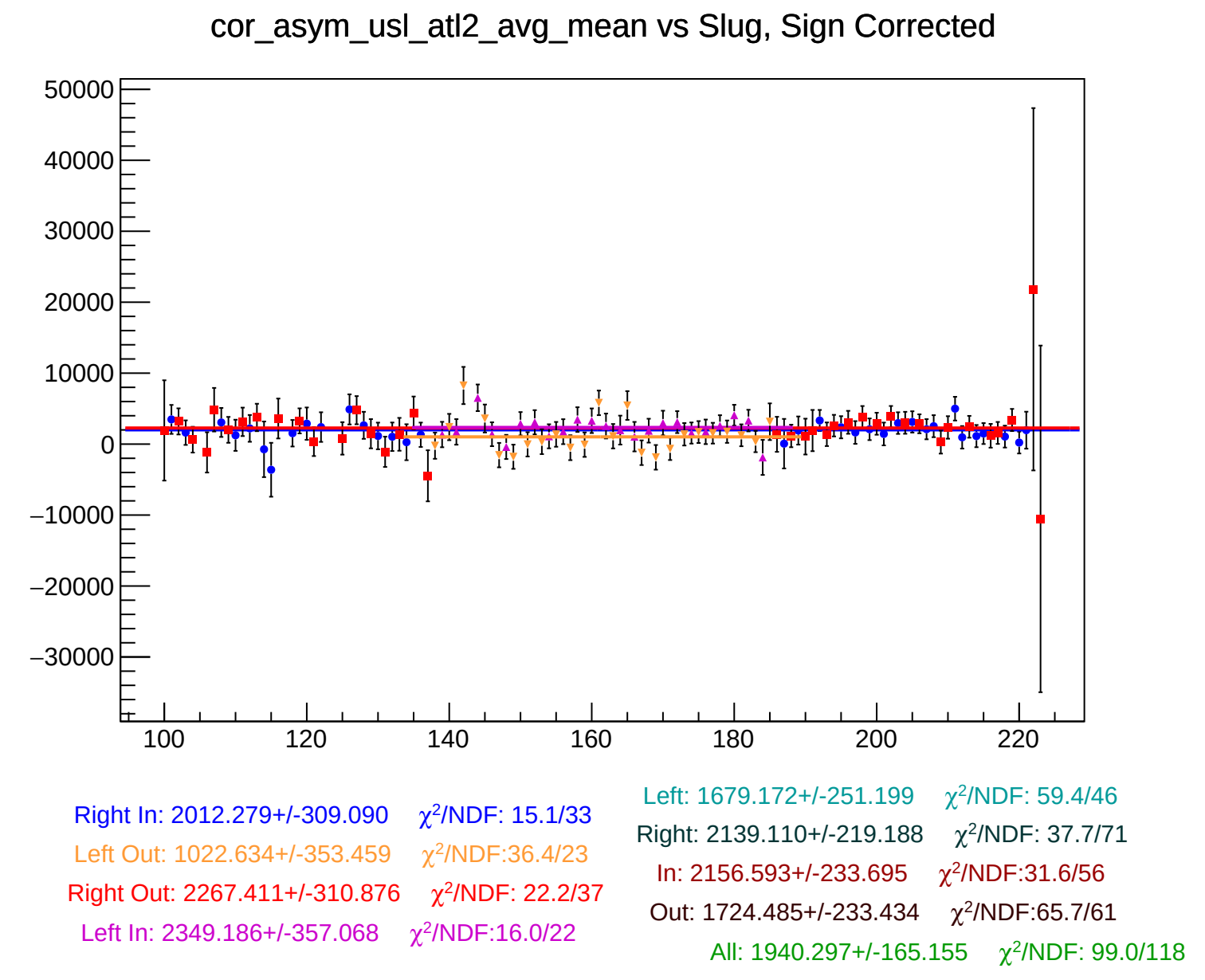
Right: 337.549+/-354.228 χ^2/NDF: 126.3/71

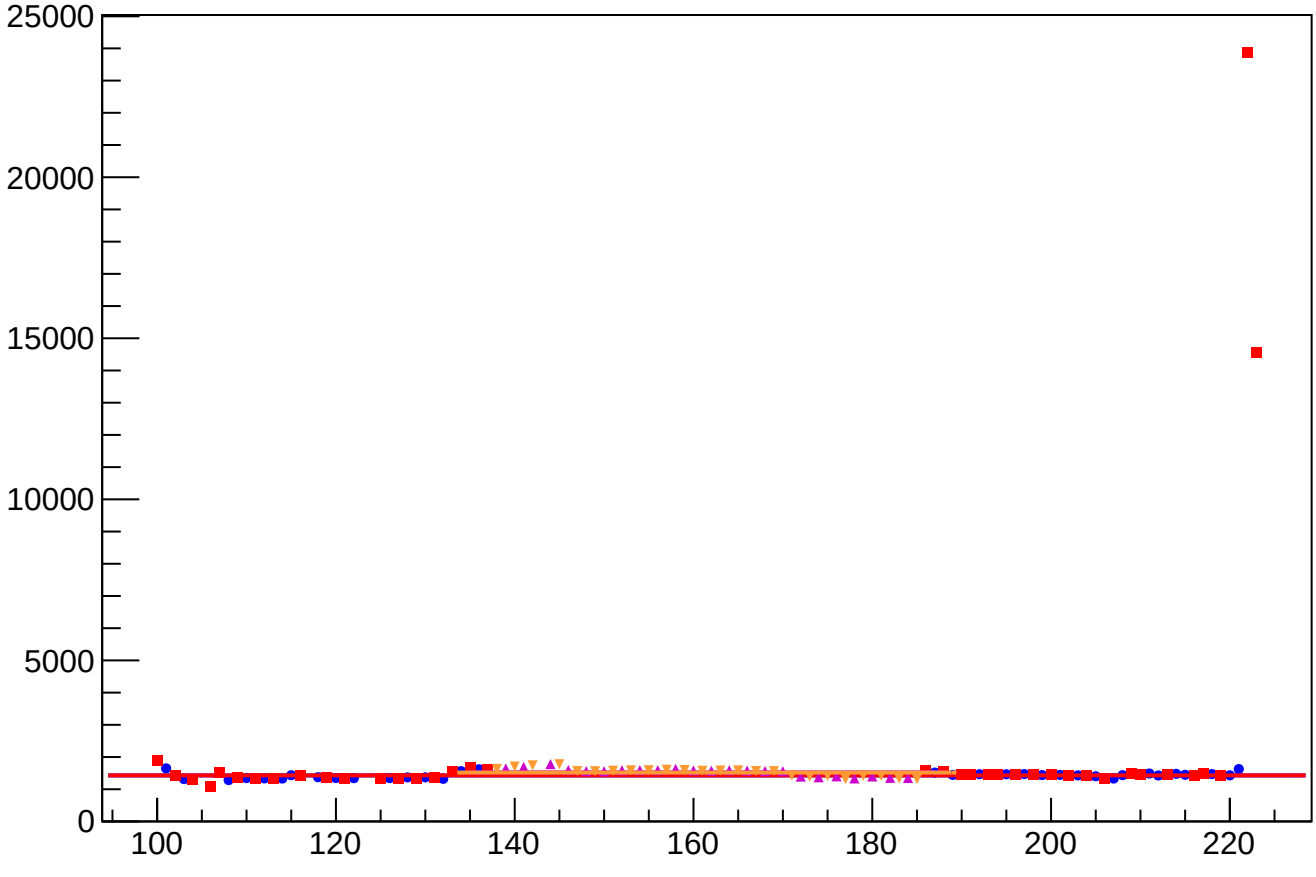
In: -1146.479+/-544.711 χ^2/NDF:55.3/56

Out: 983.526+/-413.573 χ^2/NDF:109.2/61

All: 204.649+/-329.390 χ^2/NDF: 174.2/118


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 2156.075+/-0.427 χ²/NDF: 17832618.1/33
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 1342.032+/-0.309 χ²/NDF: 25698443.4/37
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 1622.389+/-0.250 χ²/NDF: 45915904.9/71
In: 2740.042+/-0.385 χ²/NDF:29174220.1/56
Out: 1768.315+/-0.292 χ²/NDF:44623021.1/61
All: 2123.645+/-0.233 χ²/NDF: 77834642.0/1


cor_asym_usl_atl2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 2012.279+/-309.090 χ²/NDF: 15.1/33
Left Out: 1022.634+/-353.459 χ²/NDF:36.4/23
Right Out: 2267.411+/-310.876 χ²/NDF: 22.2/37
Left In: 2349.186+/-357.068 χ²/NDF:16.0/22
Left: 1679.172+/-251.199 χ²/NDF: 59.4/46
Right: 2139.110+/-219.188 χ²/NDF: 37.7/71
In: 2156.593+/-233.695 χ²/NDF:31.6/56
Out: 1724.485+/-233.434 χ²/NDF:65.7/61
All: 1940.297+/-165.155 χ²/NDF: 99.0/118



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

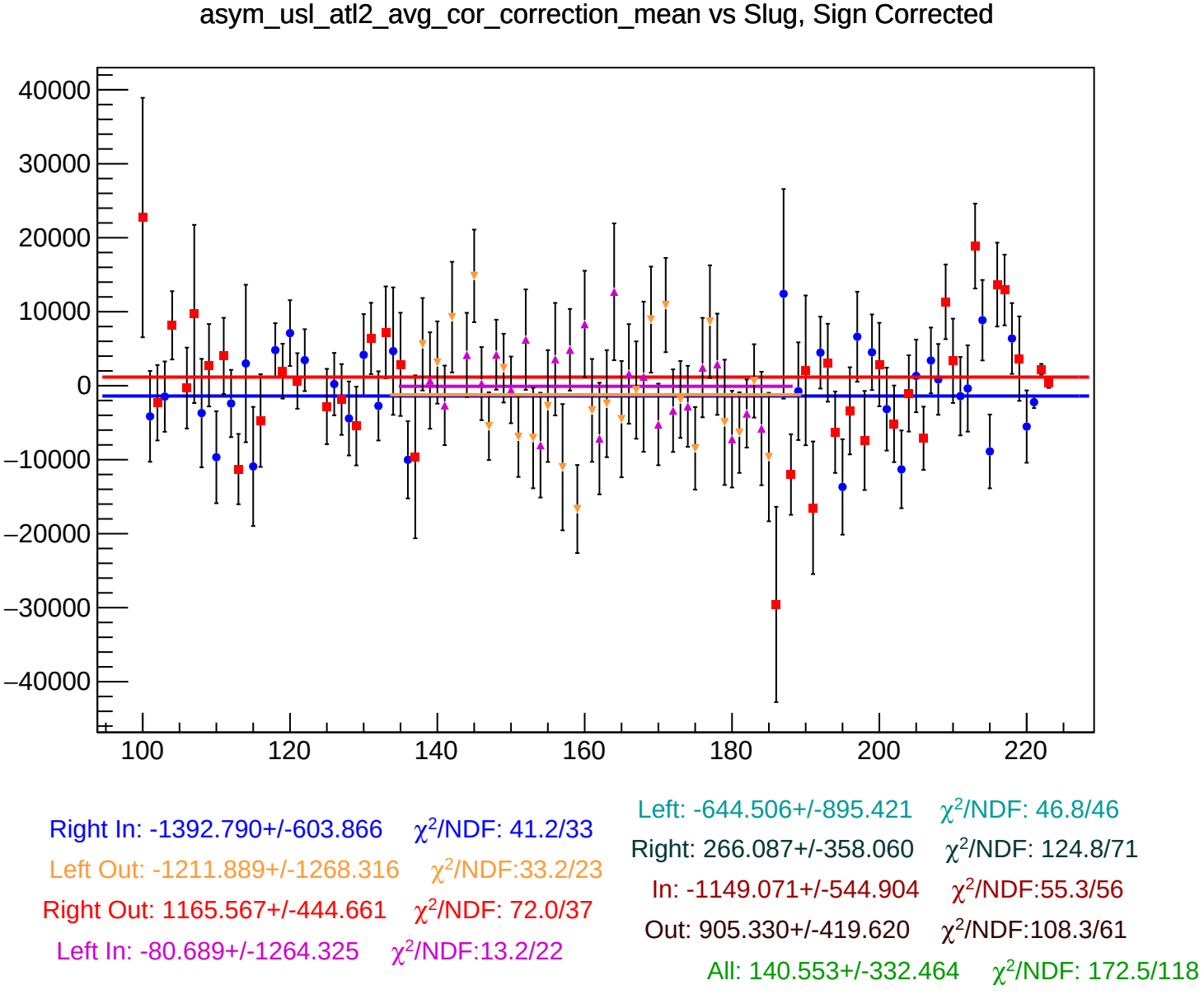
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

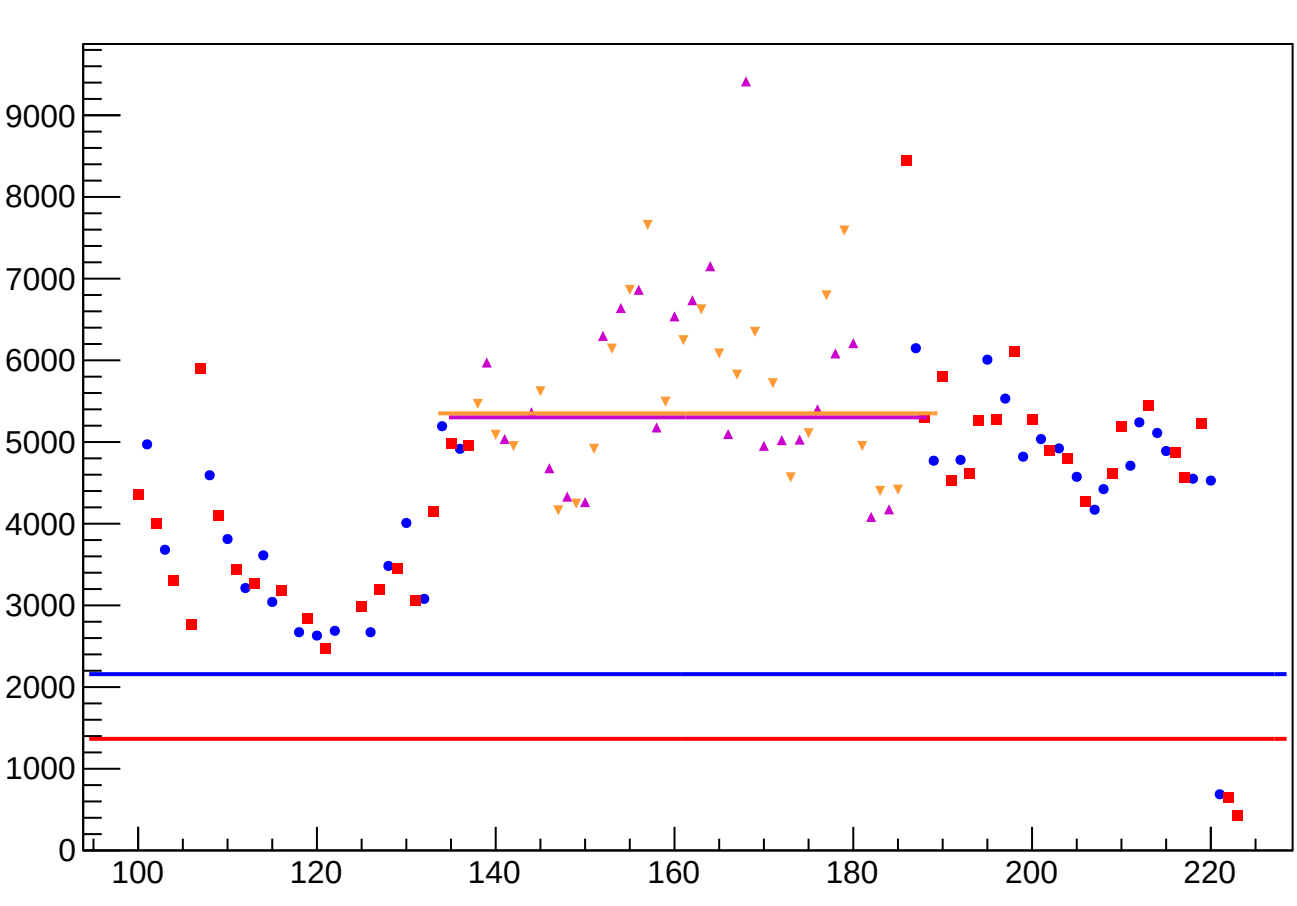
Right: 1429.859+/-0.155 χ^2/NDF: 2432400.7/71

In: 1469.699+/-0.165 χ^2/NDF:440005.7/56

Out: 1468.629+/-0.165 χ^2/NDF:2600876.8/61

All: 1469.162+/-0.117 χ^2/NDF: 3040903.5/11


asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -1392.790+/-603.866 χ²/NDF: 41.2/33
Left Out: -1211.889+/-1268.316 χ²/NDF:33.2/23
Right Out: 1165.567+/-444.661 χ²/NDF: 72.0/37
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: 266.087+/-358.060 χ²/NDF: 124.8/71
In: -1149.071+/-544.904 χ²/NDF:55.3/56
Out: 905.330+/-419.620 χ²/NDF:108.3/61
All: 140.553+/-332.464 χ²/NDF: 172.5/118



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

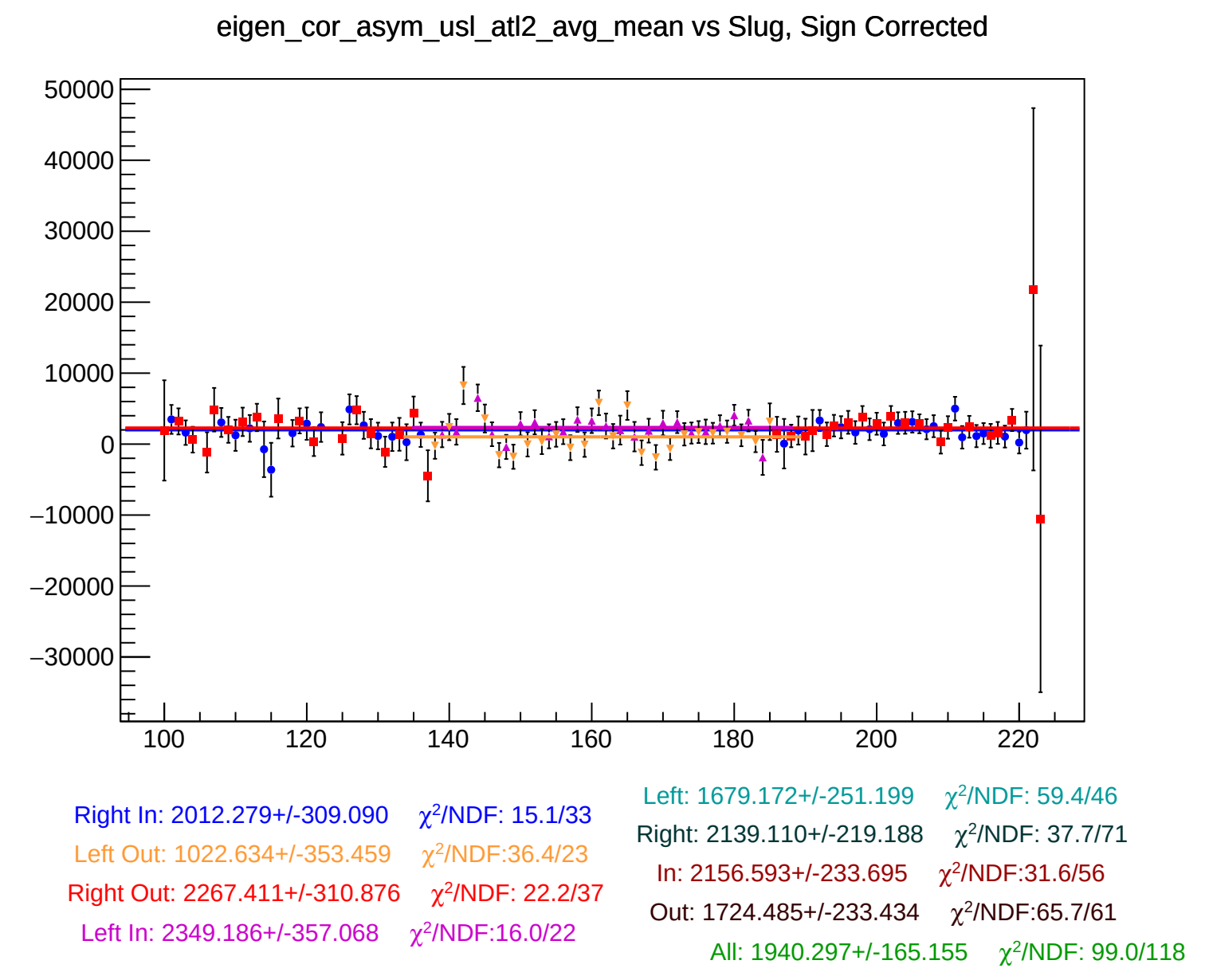
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

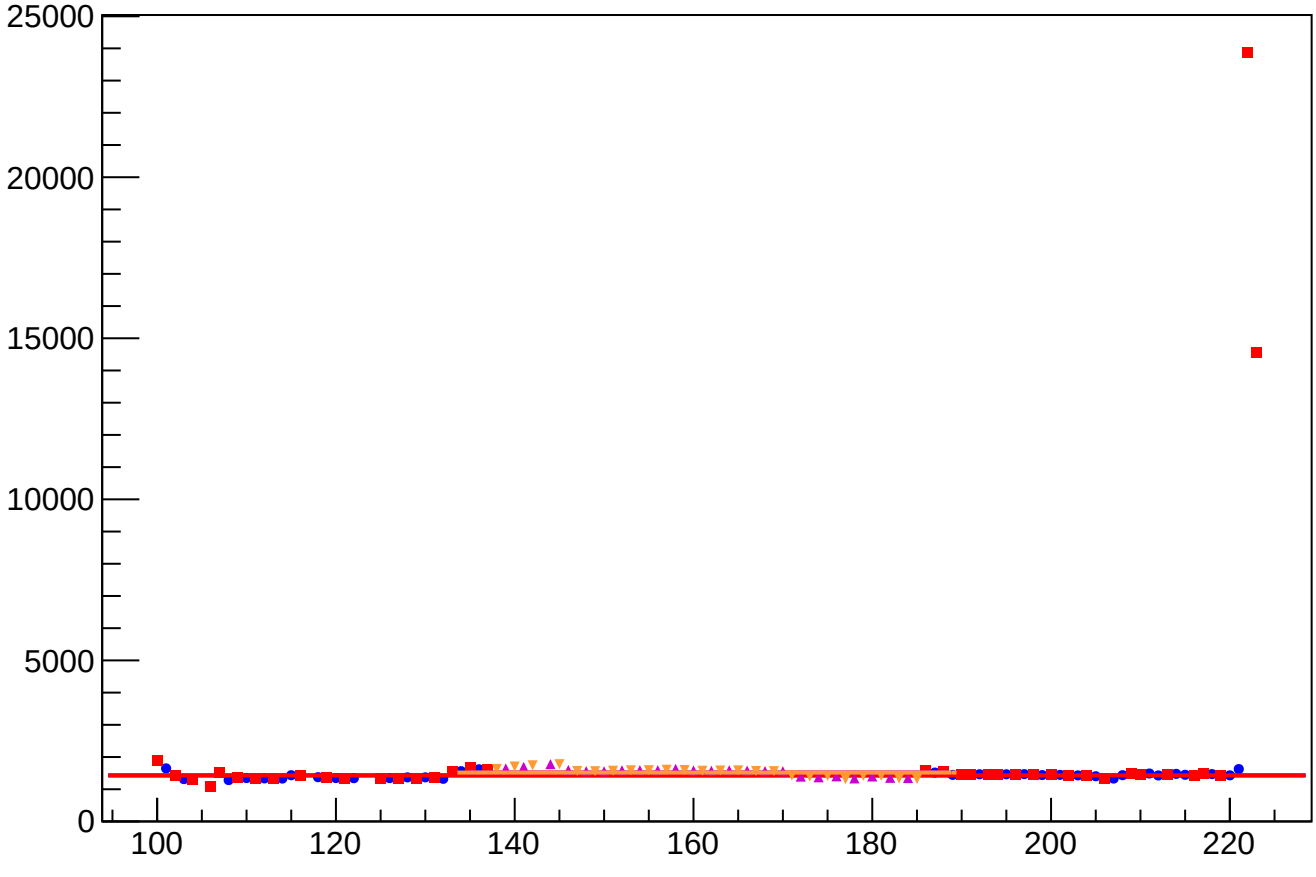
Right: 1644.796+/-0.253 χ^2/NDF: 45797276.9/71

In: 2742.348+/-0.385 χ^2/NDF:29128965.8/56

Out: 1802.489+/-0.297 χ^2/NDF:44409252.6/61

All: 2152.363+/-0.235 χ^2/NDF: 77273233.6/1


eigen_cor_asym_usl_atl2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 2012.279+/-309.090 χ²/NDF: 15.1/33
Left Out: 1022.634+/-353.459 χ²/NDF:36.4/23
Right Out: 2267.411+/-310.876 χ²/NDF: 22.2/37
Left In: 2349.186+/-357.068 χ²/NDF:16.0/22
Left: 1679.172+/-251.199 χ²/NDF: 59.4/46
Right: 2139.110+/-219.188 χ²/NDF: 37.7/71
In: 2156.593+/-233.695 χ²/NDF:31.6/56
Out: 1724.485+/-233.434 χ²/NDF:65.7/61
All: 1940.297+/-165.155 χ²/NDF: 99.0/118



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

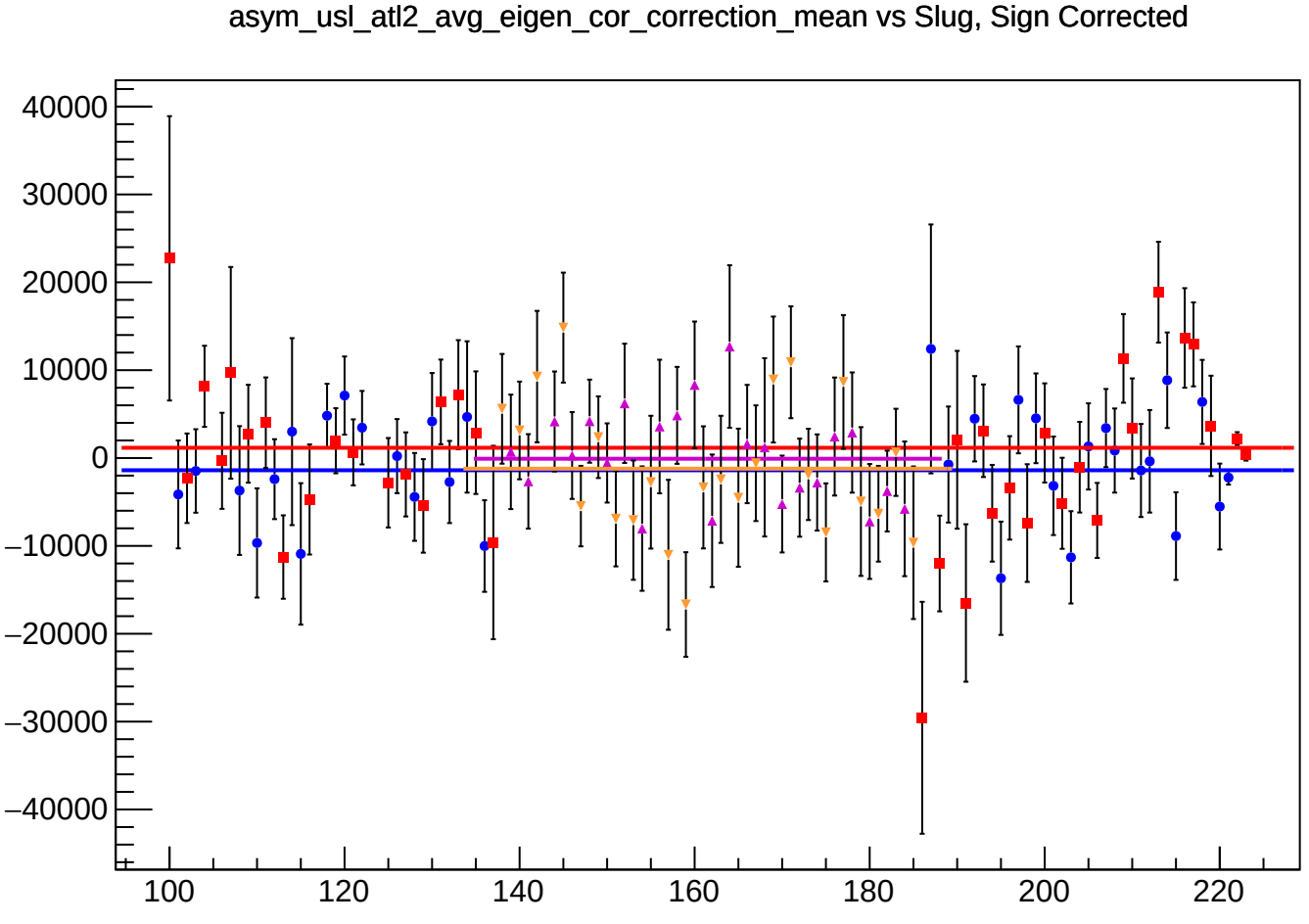
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1429.859+/-0.155 χ^2/NDF: 2432400.7/71

In: 1469.699+/-0.165 χ^2/NDF:440005.7/56

Out: 1468.629+/-0.165 χ^2/NDF:2600876.8/61

All: 1469.162+/-0.117 χ^2/NDF: 3040903.5/11



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

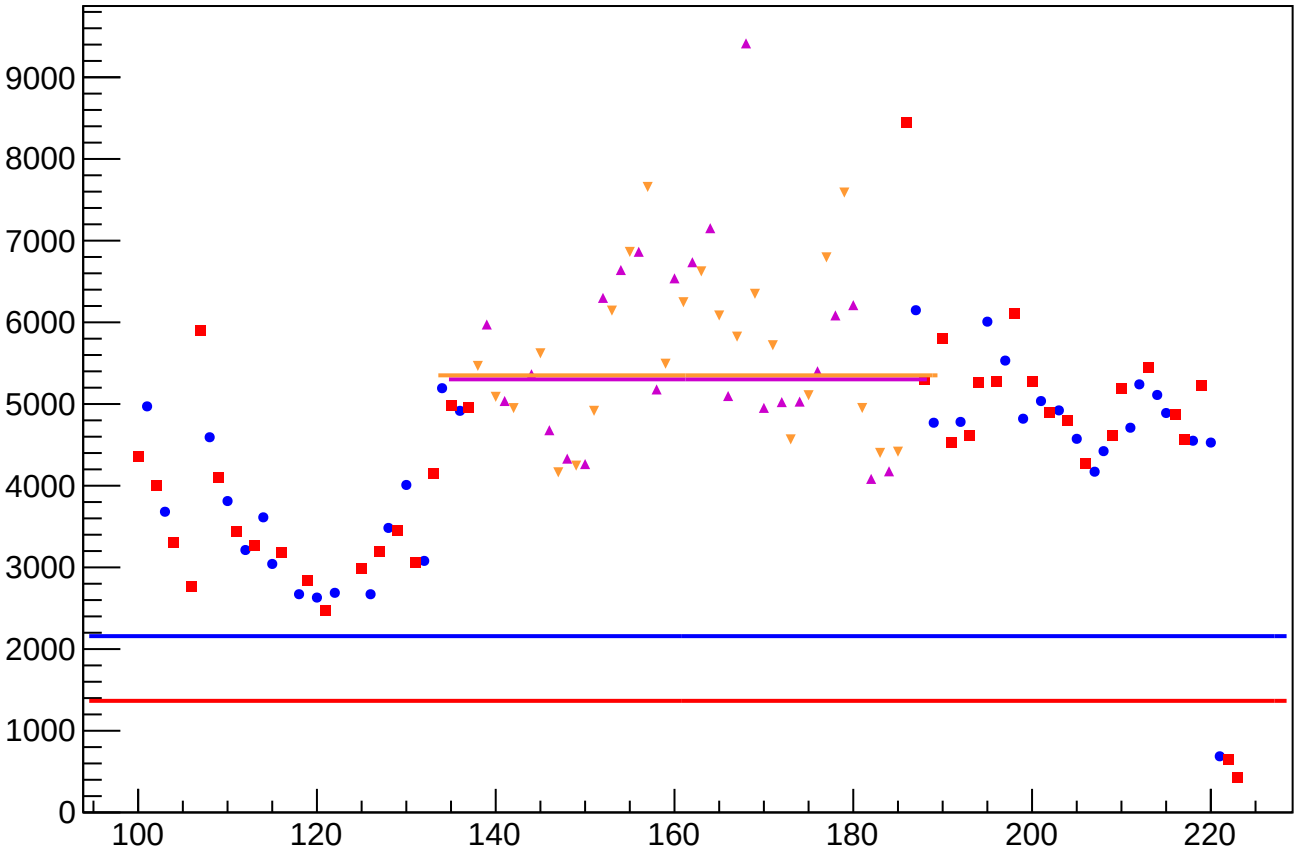
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: 266.087+/-358.060 χ^2/NDF: 124.8/71

In: -1149.071+/-544.904 χ^2/NDF:55.3/56

Out: 905.330+/-419.620 χ^2/NDF:108.3/61

All: 140.553+/-332.464 χ^2/NDF: 172.5/118



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

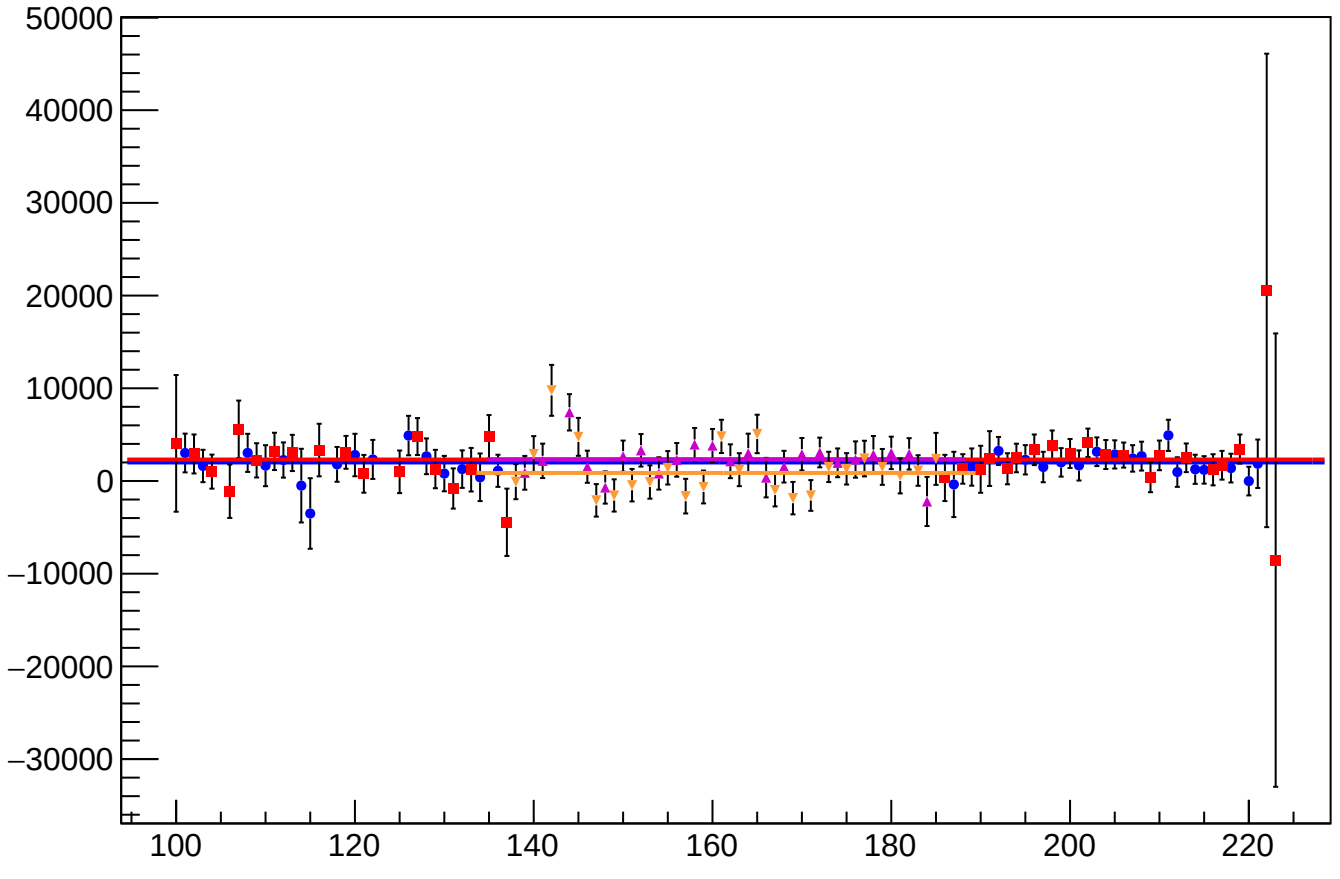
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 1644.796+/-0.253 χ^2/NDF: 45797276.9/71

In: 2742.348+/-0.385 χ^2/NDF:29128965.8/56

Out: 1802.489+/-0.297 χ^2/NDF:44409252.6/61

All: 2152.363+/-0.235 χ^2/NDF: 77273233.6/1



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

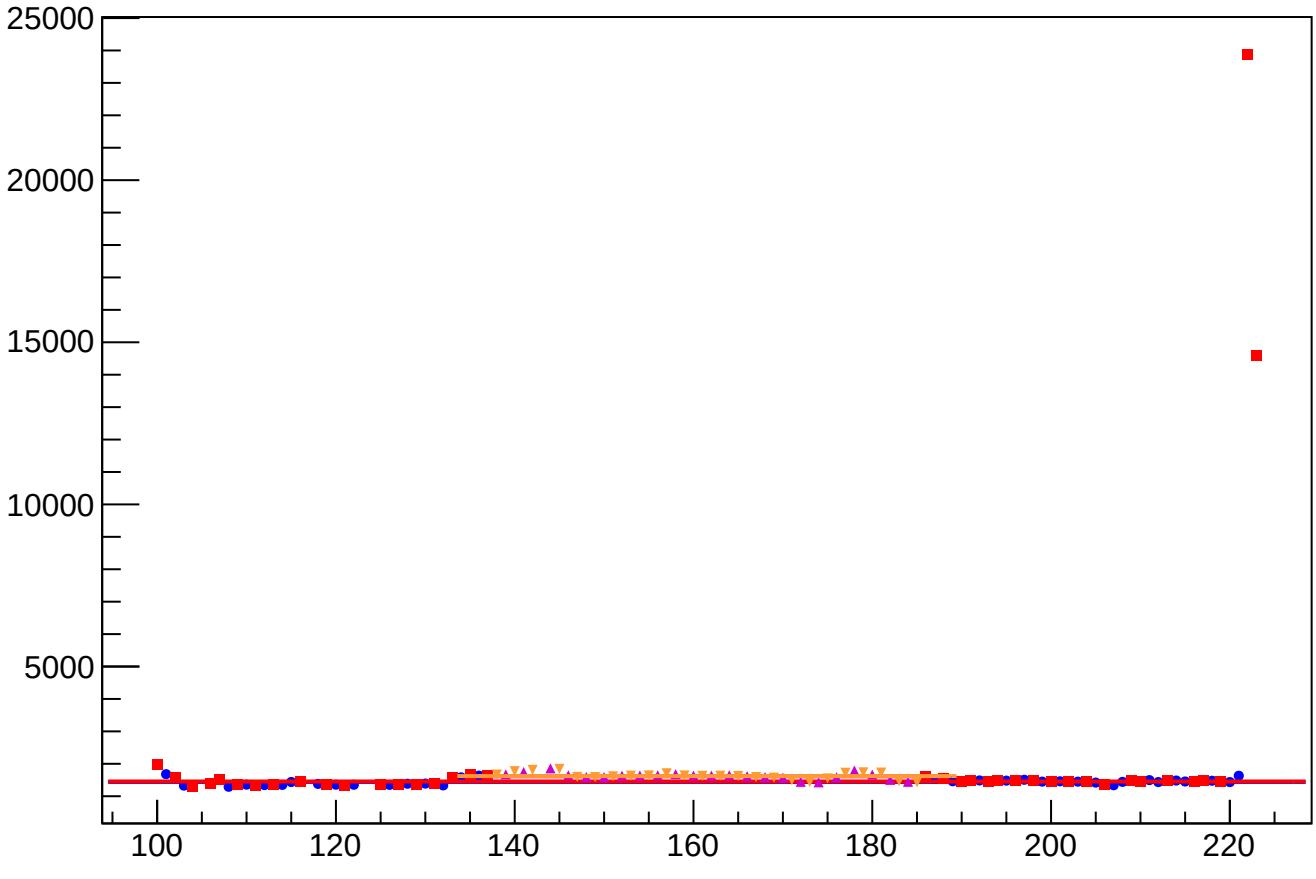
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2155.451+/-221.511 χ^2/NDF: 36.6/71

In: 2138.094+/-240.596 χ^2/NDF:33.2/56

Out: 1721.088+/-241.624 χ^2/NDF:69.8/61

All: 1930.480+/-170.489 χ^2/NDF: 104.5/118



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

Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

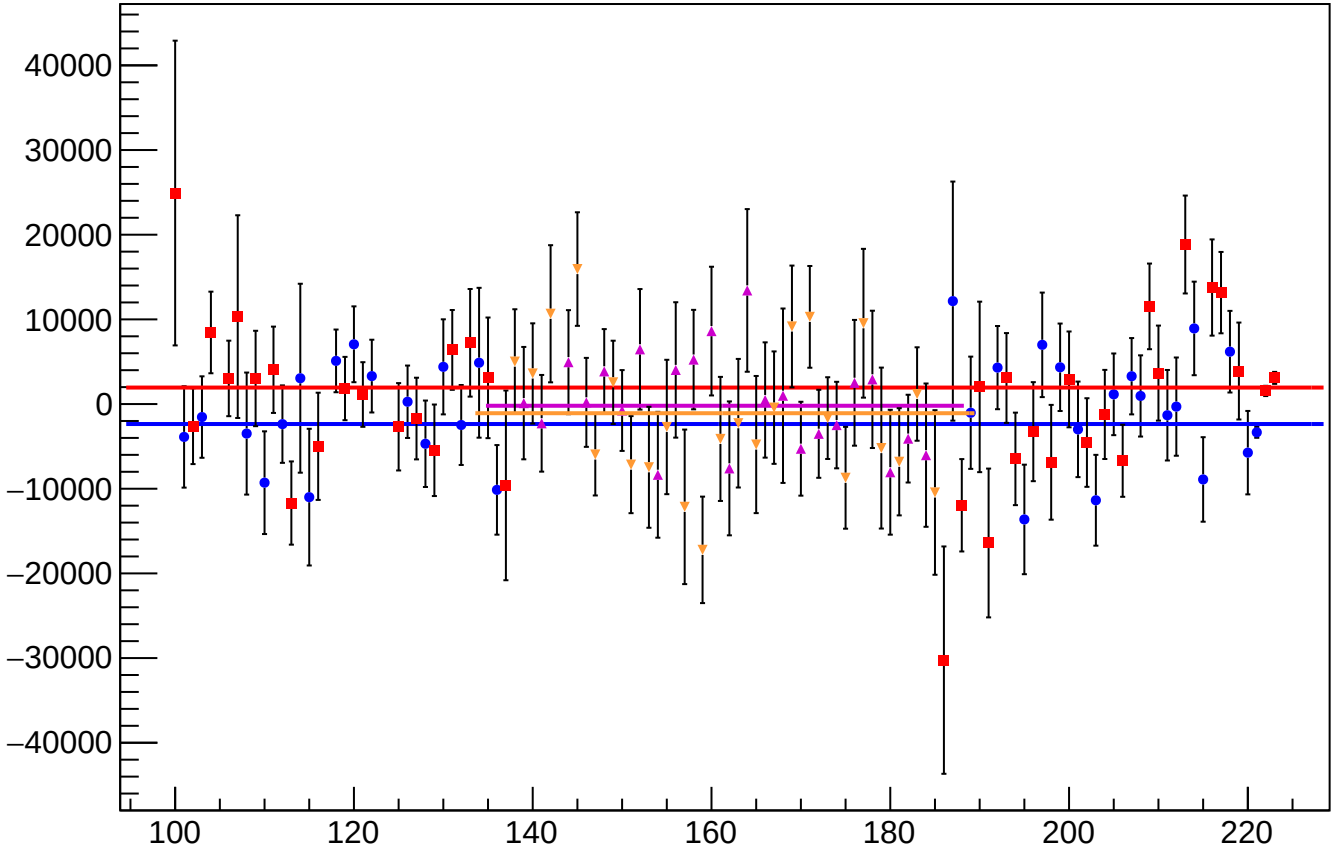
Right: 1447.125+/-0.157 χ^2/NDF: 2394644.4/71

In: 1511.925+/-0.170 χ^2/NDF:530468.6/56

Out: 1521.858+/-0.171 χ^2/NDF:2628985.8/61

All: 1516.873+/-0.121 χ^2/NDF: 3161152.4/11

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



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

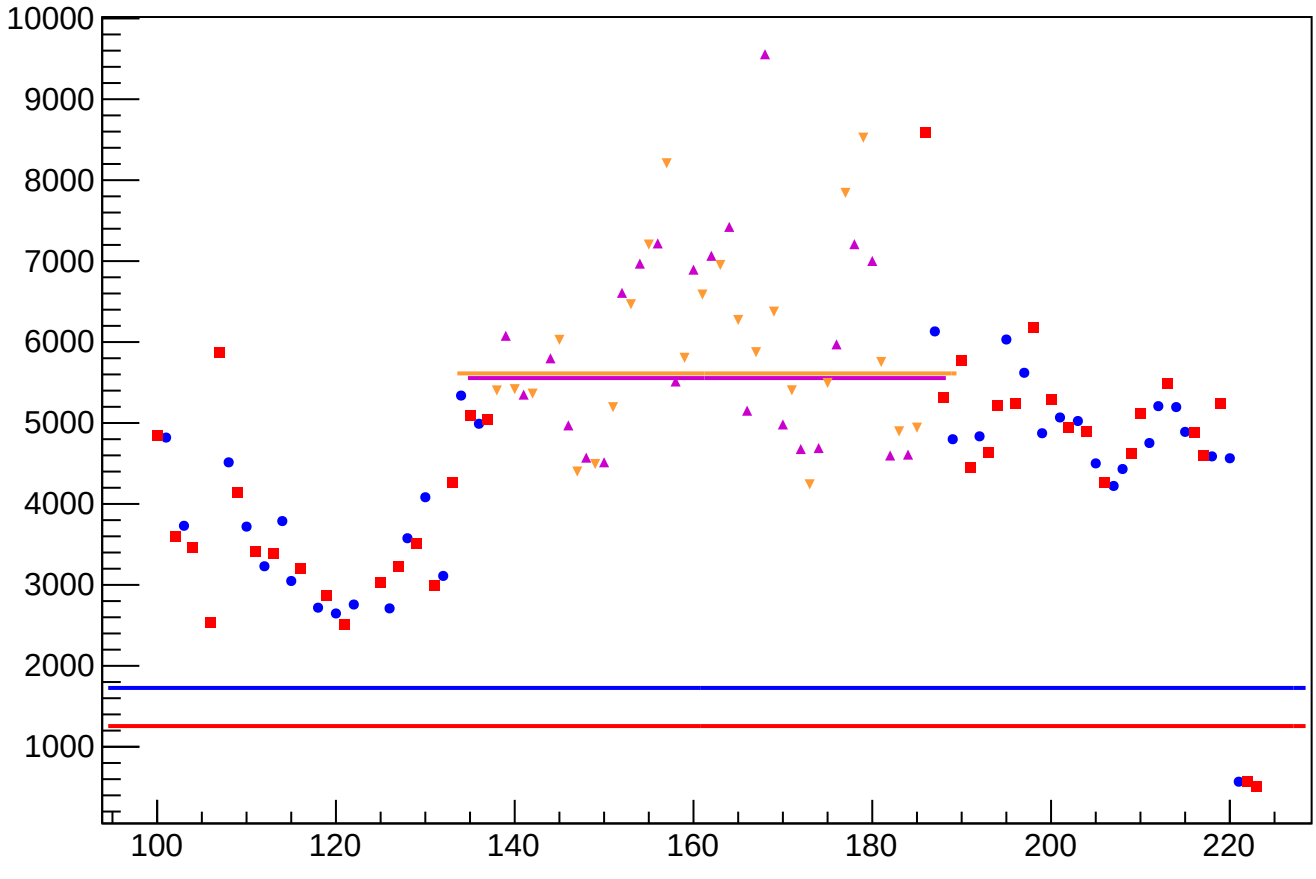
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: 322.224+/-324.589 χ^2/NDF: 159.5/71

In: -2063.465+/-490.835 χ^2/NDF:60.4/56

Out: 1683.892+/-393.063 χ^2/NDF:110.5/61

All: 219.715+/-306.810 χ^2/NDF: 206.5/118



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

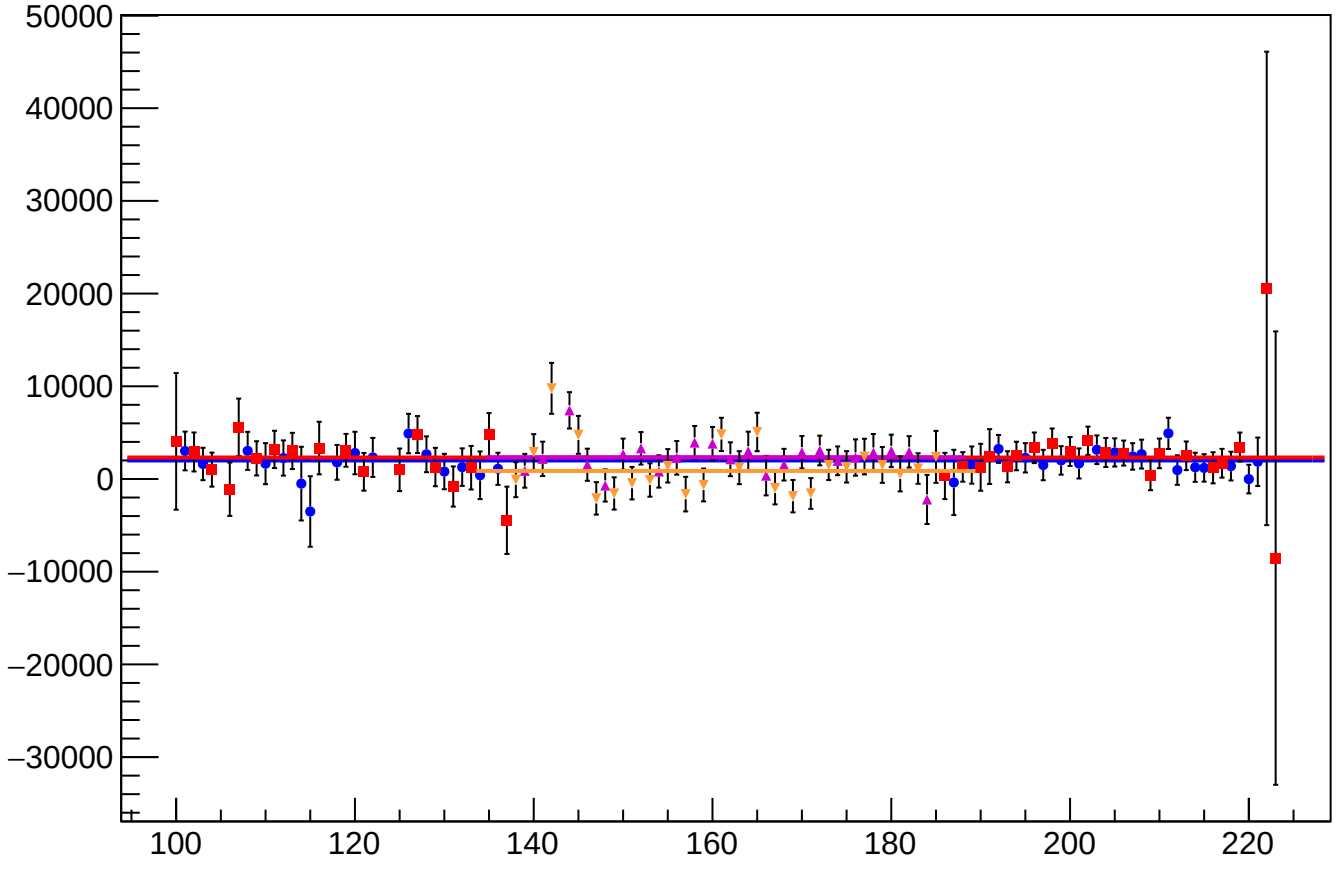
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 1433.785+/-0.230 χ^2/NDF: 49747621.7/71

In: 2251.504+/-0.347 χ^2/NDF:37802508.4/56

Out: 1635.100+/-0.278 χ^2/NDF:47378255.3/61

All: 1875.943+/-0.217 χ^2/NDF: 87102549.8/



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

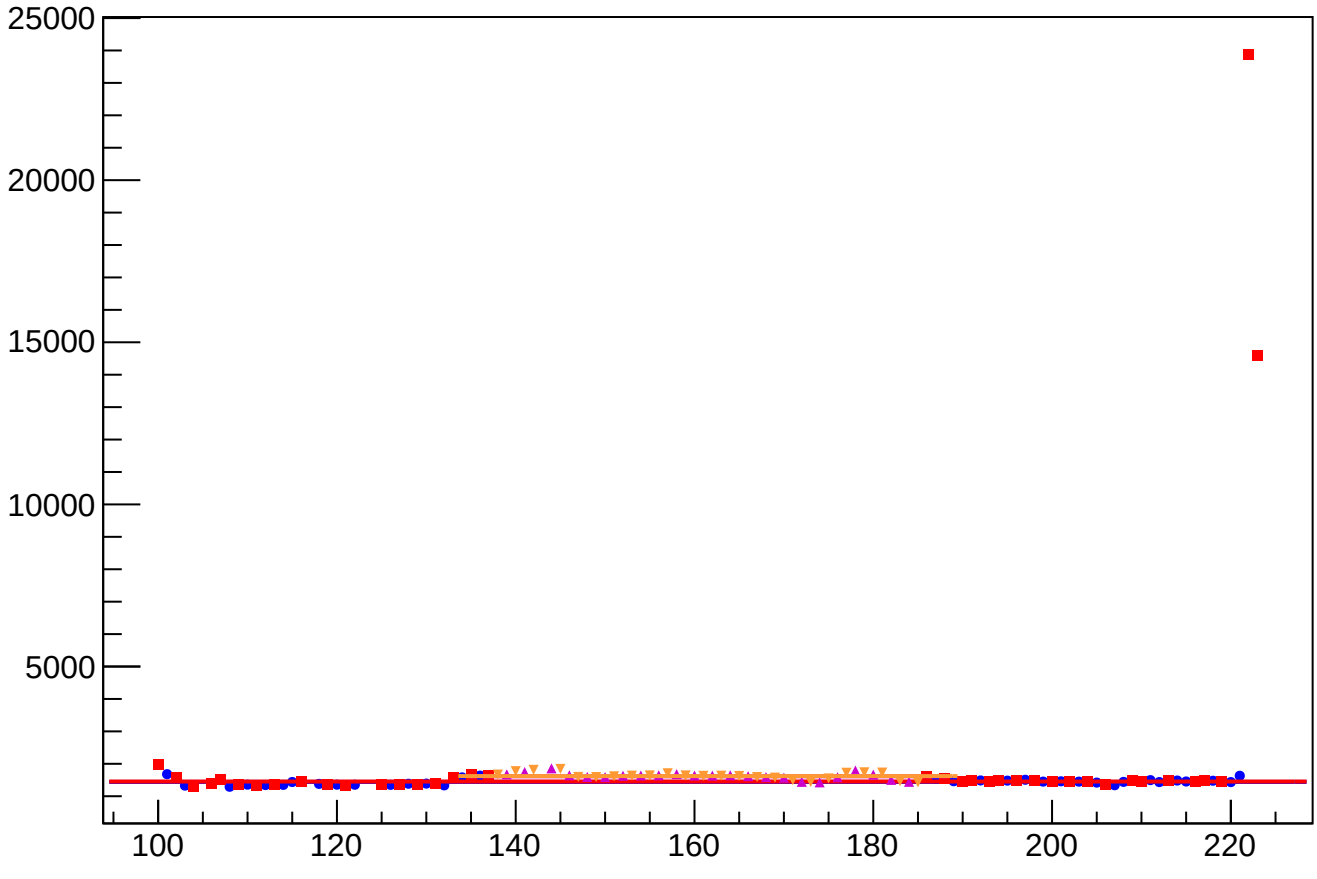
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2155.450+/-221.511 χ^2/NDF: 36.6/71

In: 2138.094+/-240.596 χ^2/NDF:33.2/56

Out: 1721.084+/-241.624 χ^2/NDF:69.8/61

All: 1930.479+/-170.489 χ^2/NDF: 104.5/118



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

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

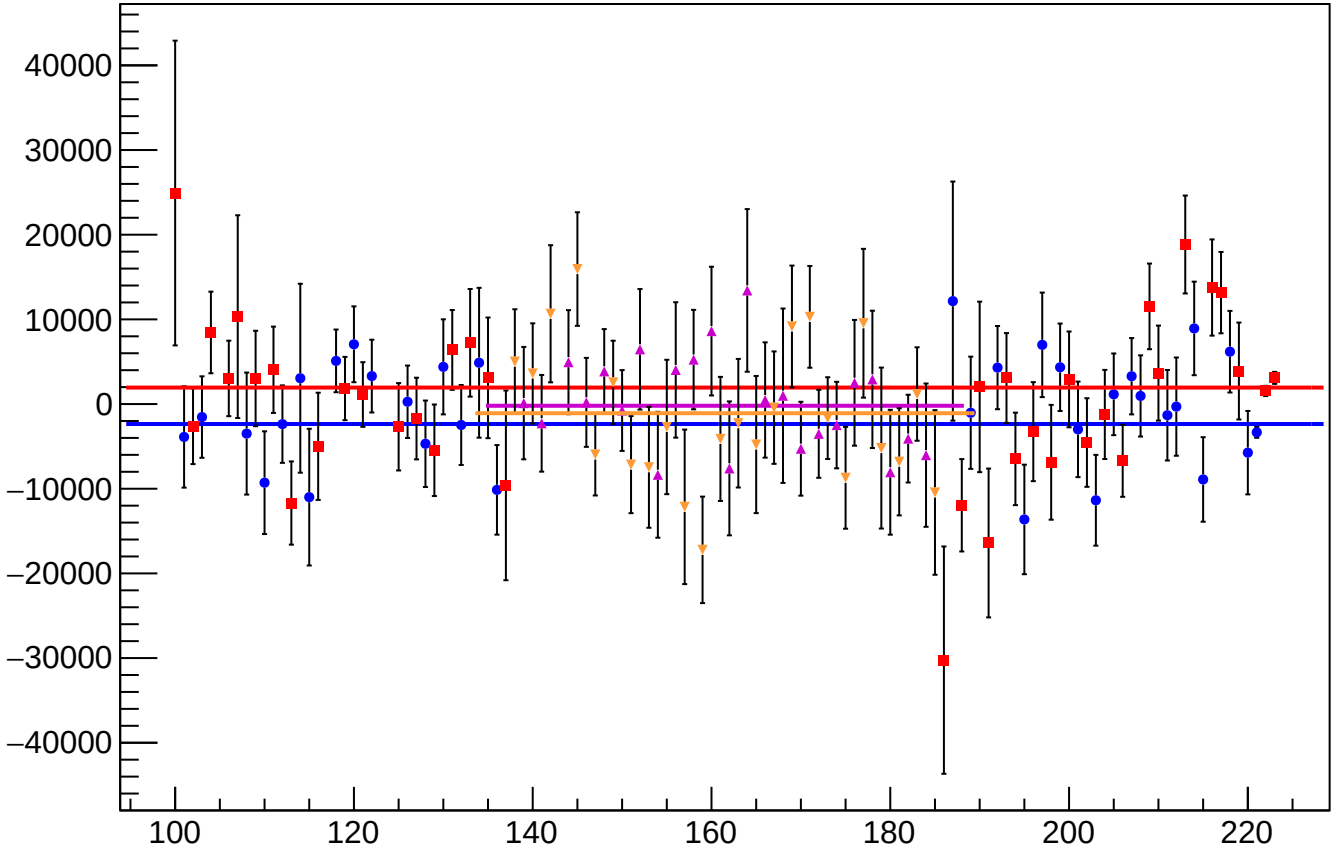
Right: 1447.125+/-0.157 χ^2/NDF: 2394644.6/71

In: 1511.926+/-0.170 χ^2/NDF:530476.5/56

Out: 1521.858+/-0.171 χ^2/NDF:2628994.4/61

All: 1516.873+/-0.121 χ^2/NDF: 3161168.8/11

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

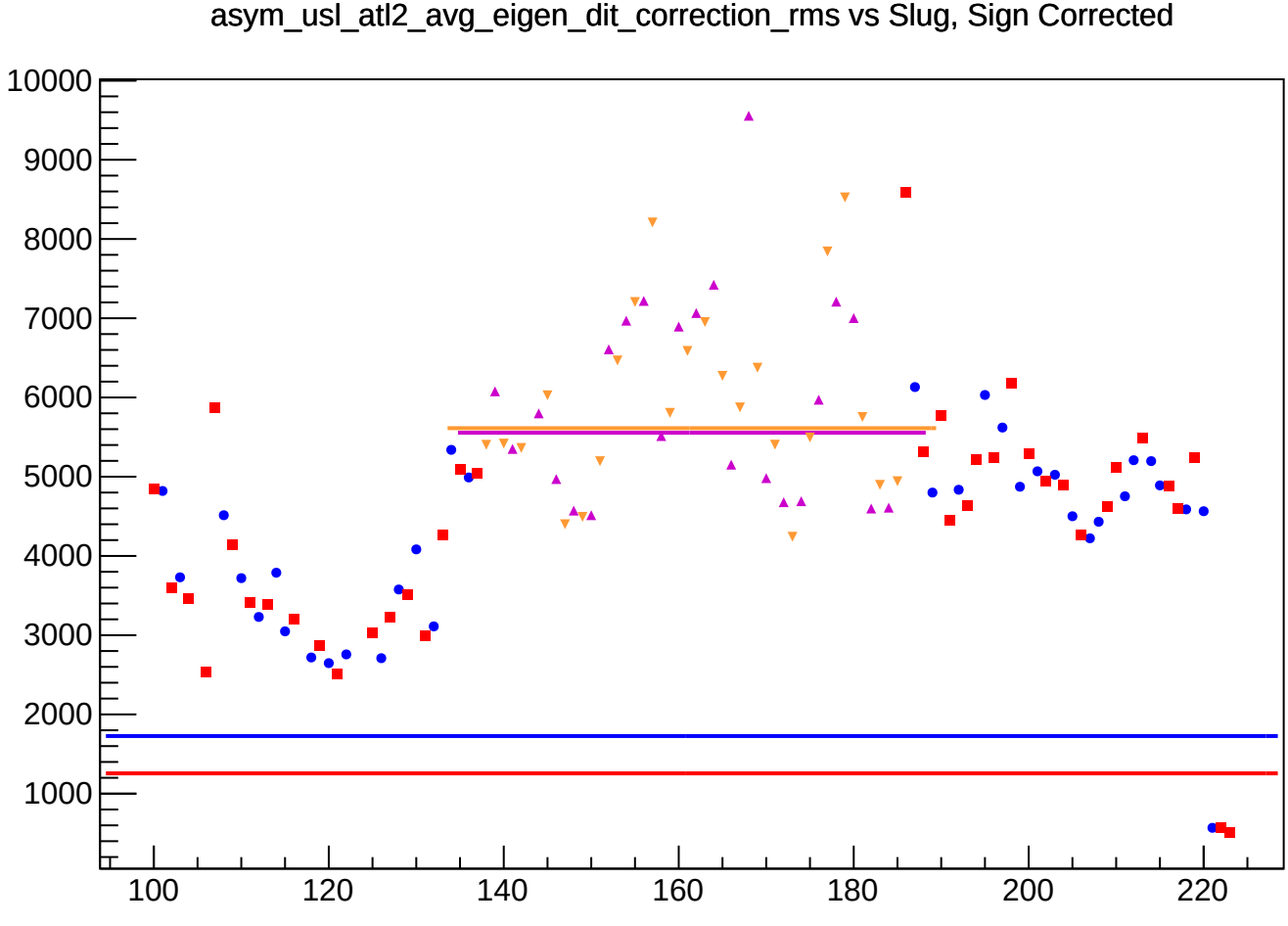
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: 322.228+/-324.589 χ^2/NDF: 159.5/71

In: -2063.466+/-490.836 χ^2/NDF:60.4/56

Out: 1683.892+/-393.063 χ^2/NDF:110.5/61

All: 219.719+/-306.810 χ^2/NDF: 206.5/118



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

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

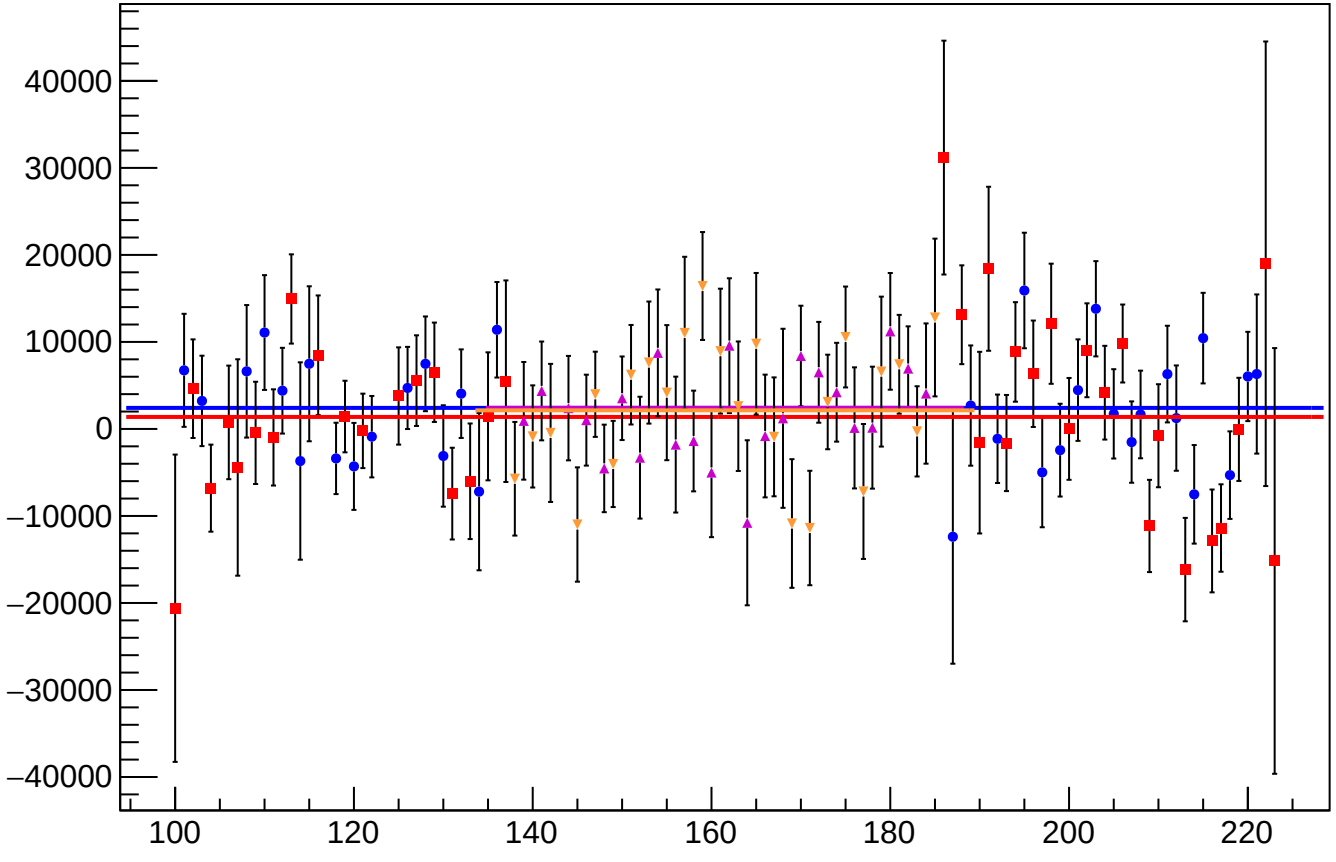
Right: 1433.785+/-0.230 χ^2/NDF: 49747632.0/71

In: 2251.507+/-0.347 χ^2/NDF:37802490.1/56

Out: 1635.097+/-0.278 χ^2/NDF:47378308.9/61

All: 1875.942+/-0.217 χ^2/NDF: 87102618.2/1

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

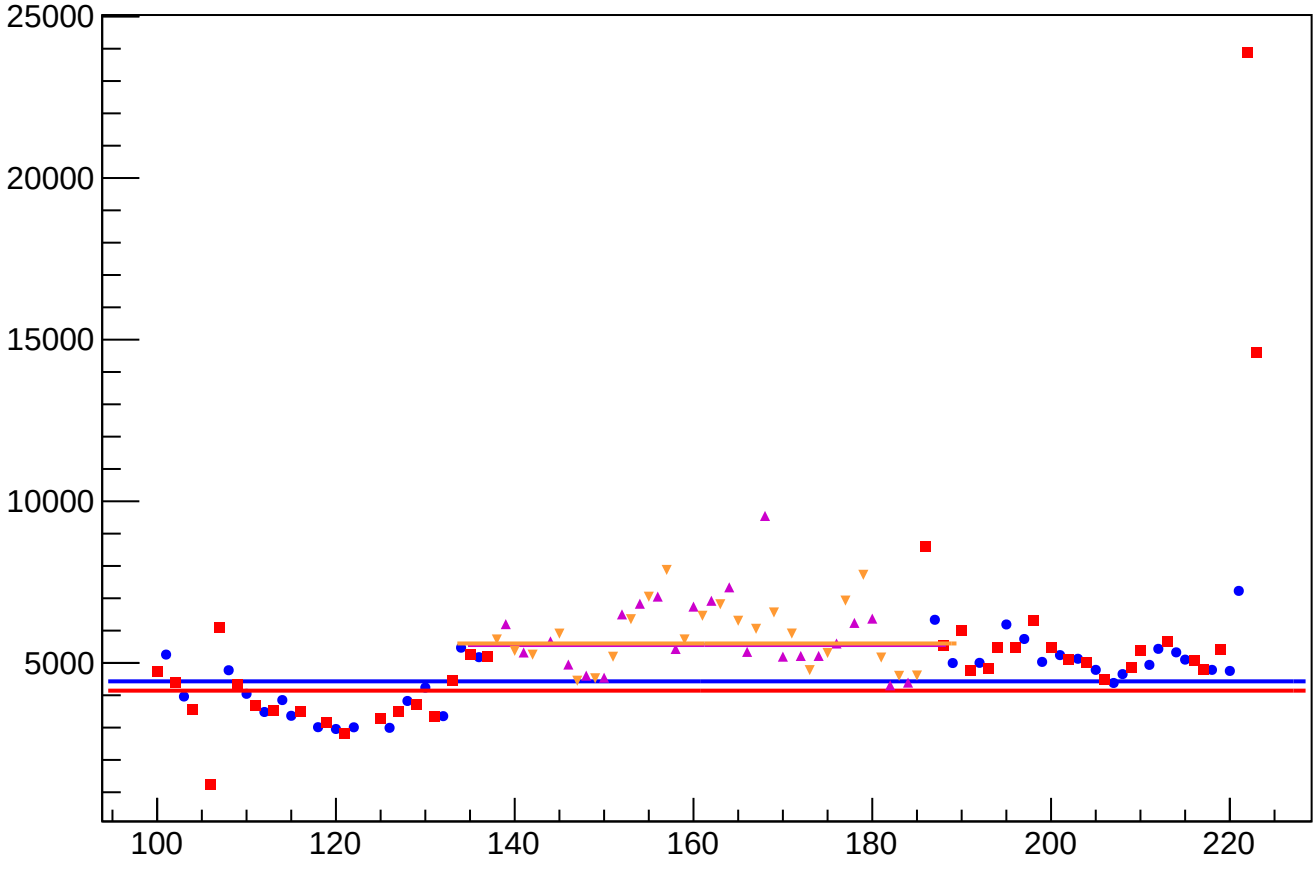
Right: 1904.287+/-693.115 χ^2/NDF: 106.4/71

In: 2423.036+/-784.863 χ^2/NDF:48.4/56

Out: 1649.076+/-790.244 χ^2/NDF:101.1/61

All: 2038.700+/-556.875 χ^2/NDF: 150.0/118

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

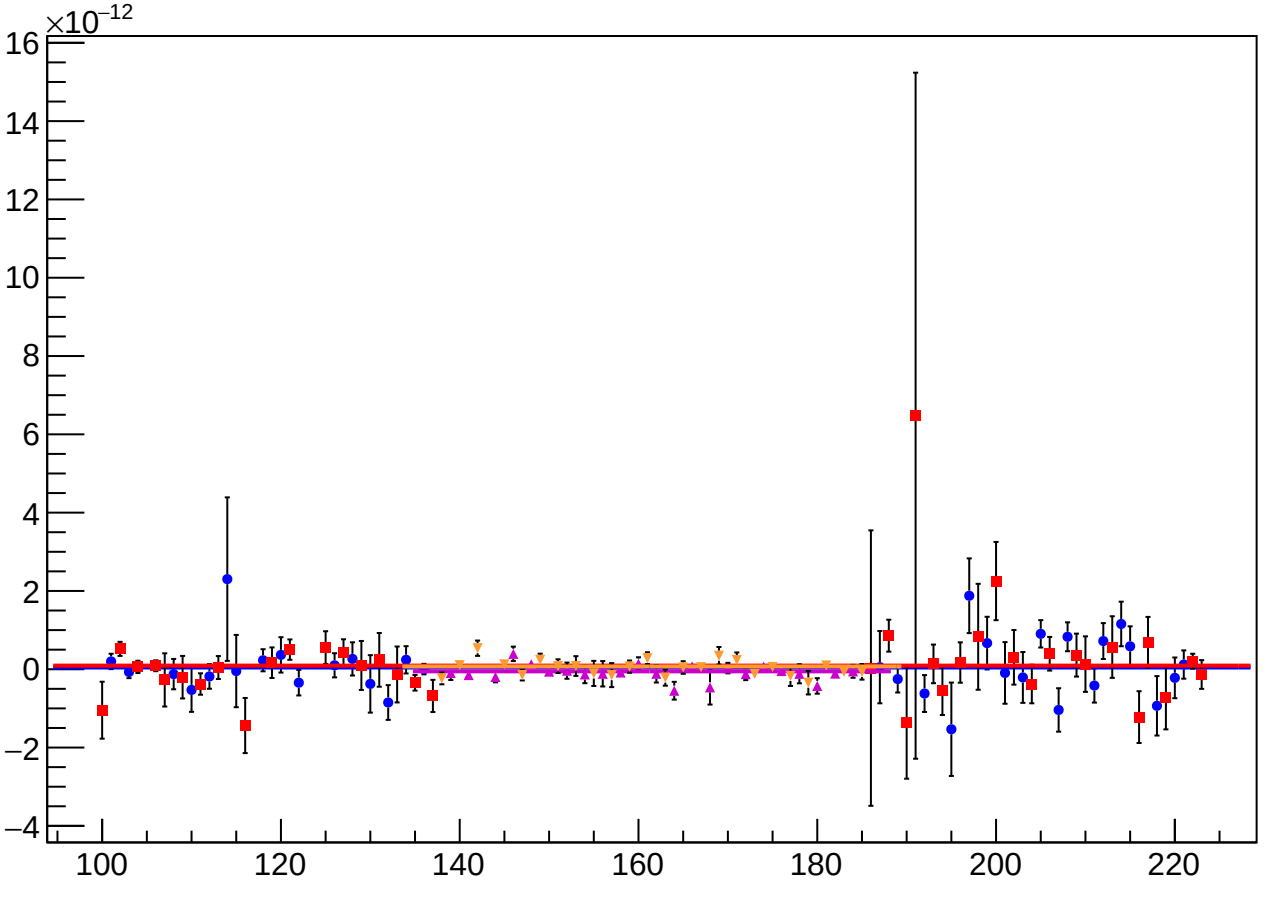
Right: 4281.374+/-0.479 χ^2/NDF: 7805568.9/71

In: 4827.143+/-0.555 χ^2/NDF:3949563.7/56

Out: 4631.786+/-0.542 χ^2/NDF:8369236.1/61

All: 4727.161+/-0.388 χ^2/NDF: 12382215.0/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

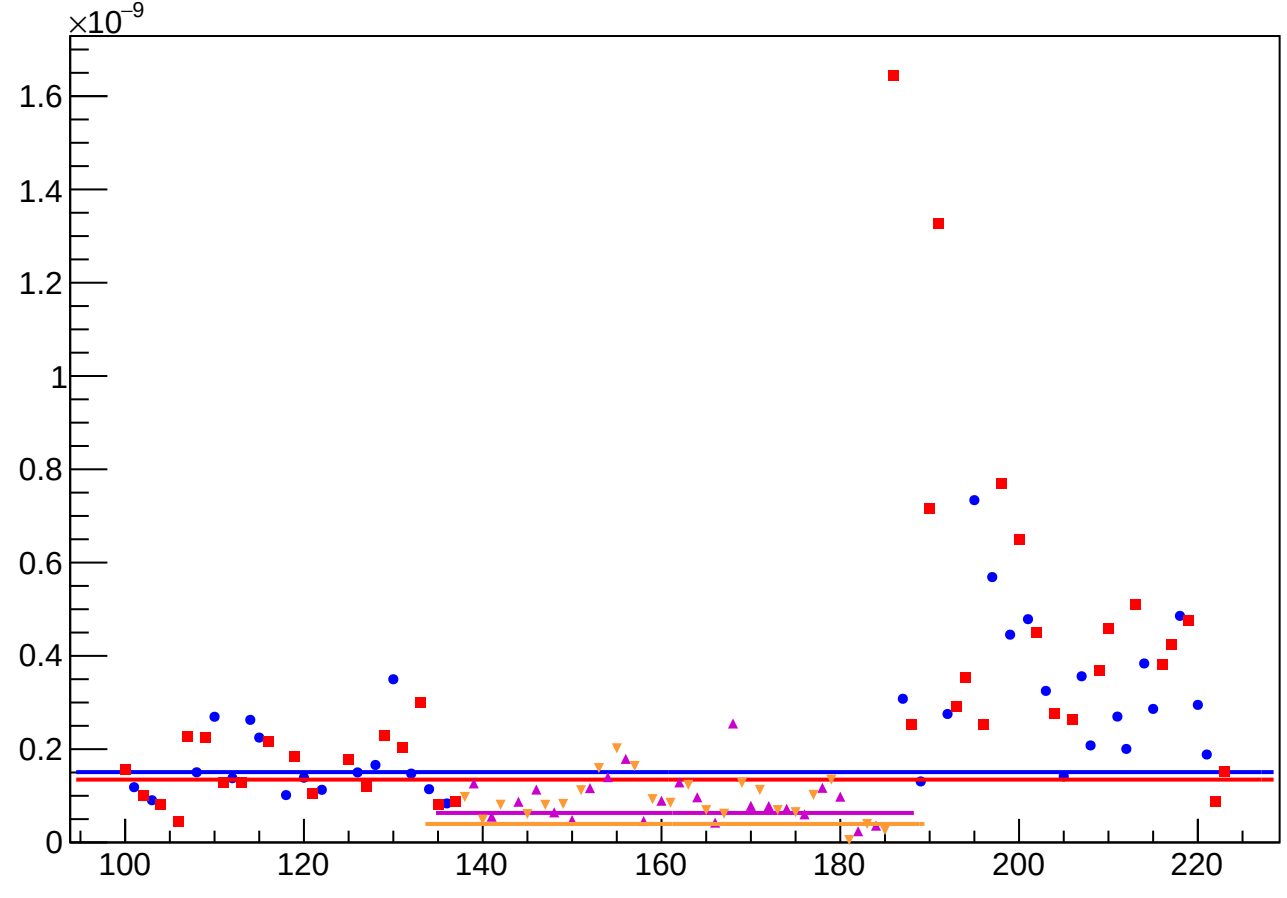
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 95.1/71

In: -0.000+/-0.000 χ^2/NDF:72.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.8/61

All: 0.000+/-0.000 χ^2/NDF: 162.0/118



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

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

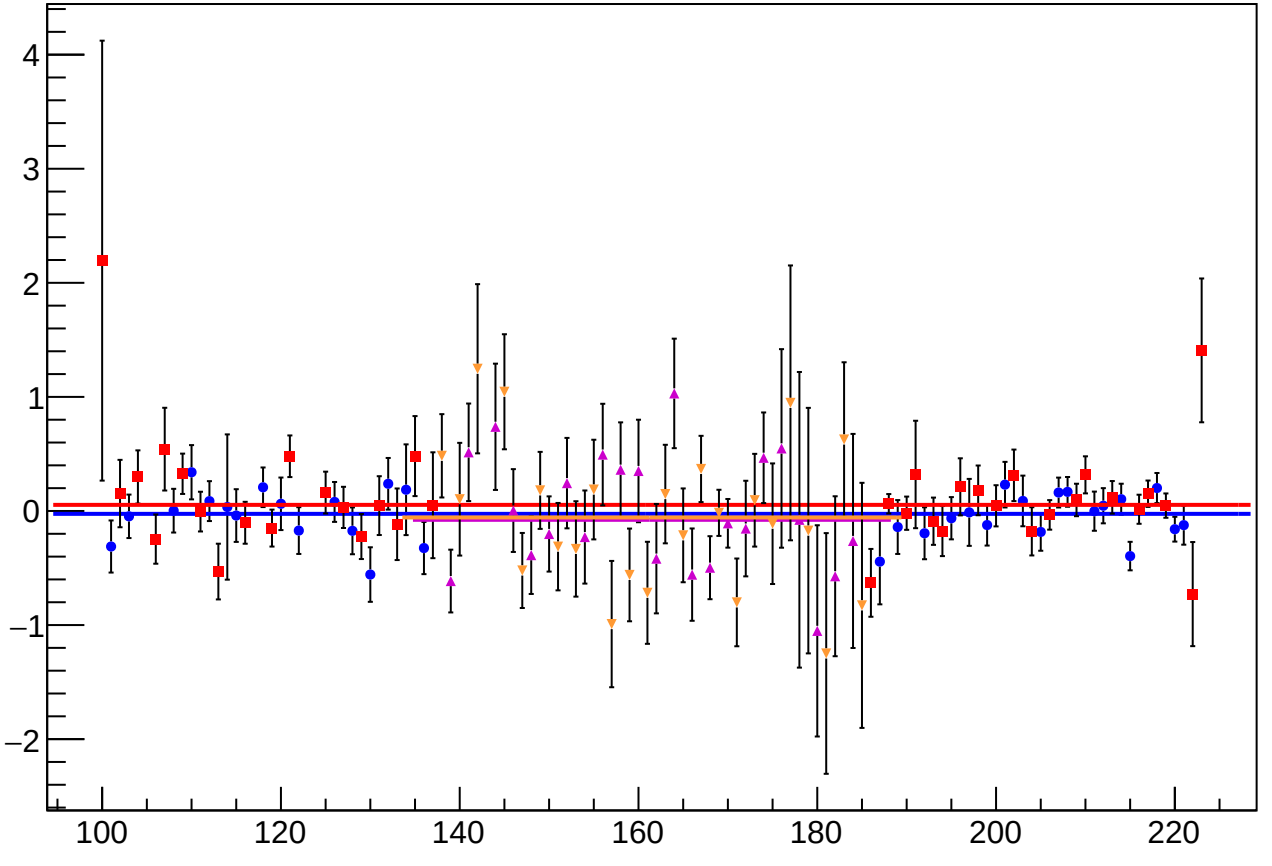
Right: 0.000+/-0.000 χ^2/NDF: 12040090.4/71

In: 0.000+/-0.000 χ^2/NDF:11071071.4/56

Out: 0.000+/-0.000 χ^2/NDF:19085848.2/61

All: 0.000+/-0.000 χ^2/NDF: 31475398.4/118

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

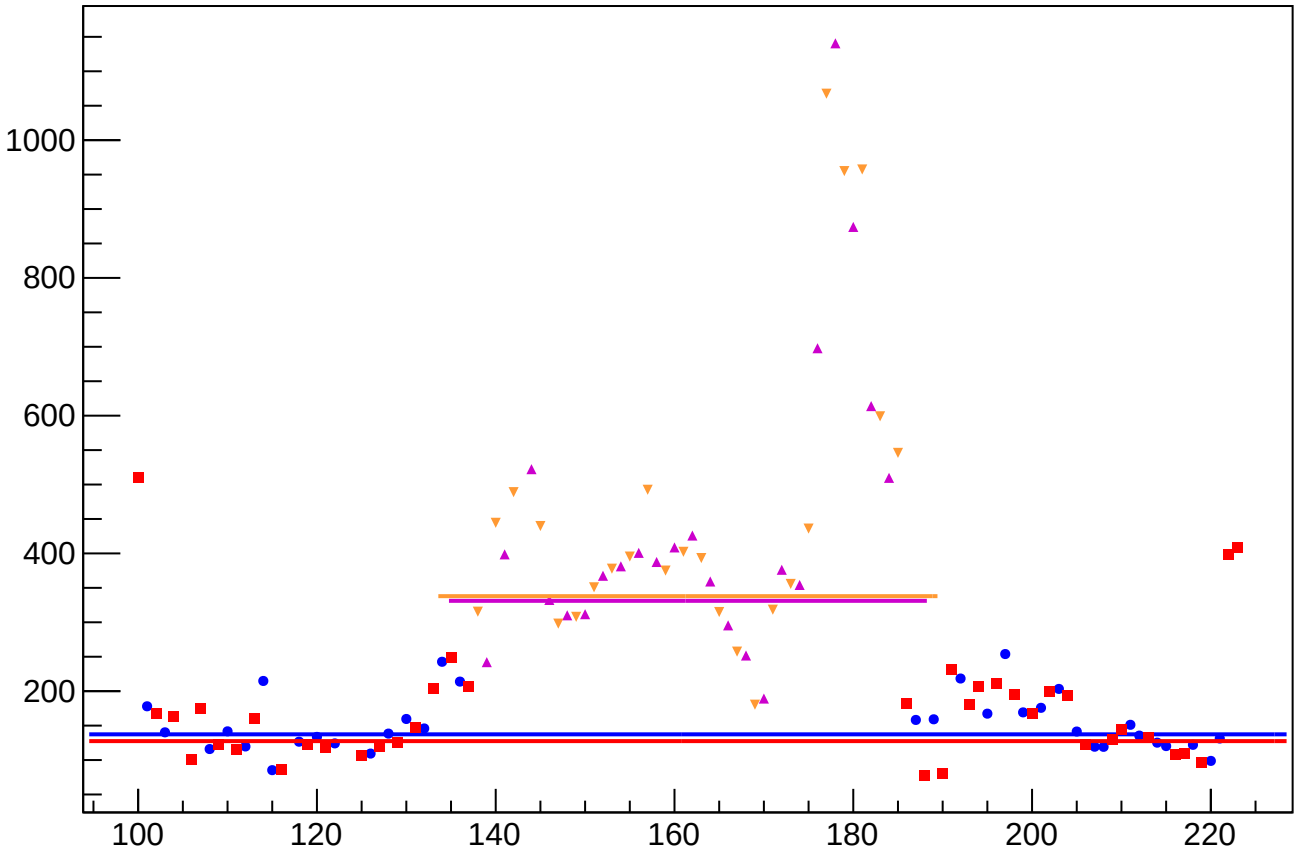
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.016+/-0.021 χ^2/NDF: 92.3/71

In: -0.032+/-0.029 χ^2/NDF:67.6/56

Out: 0.042+/-0.028 χ^2/NDF:80.6/61

All: 0.007+/-0.020 χ^2/NDF: 151.5/118



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

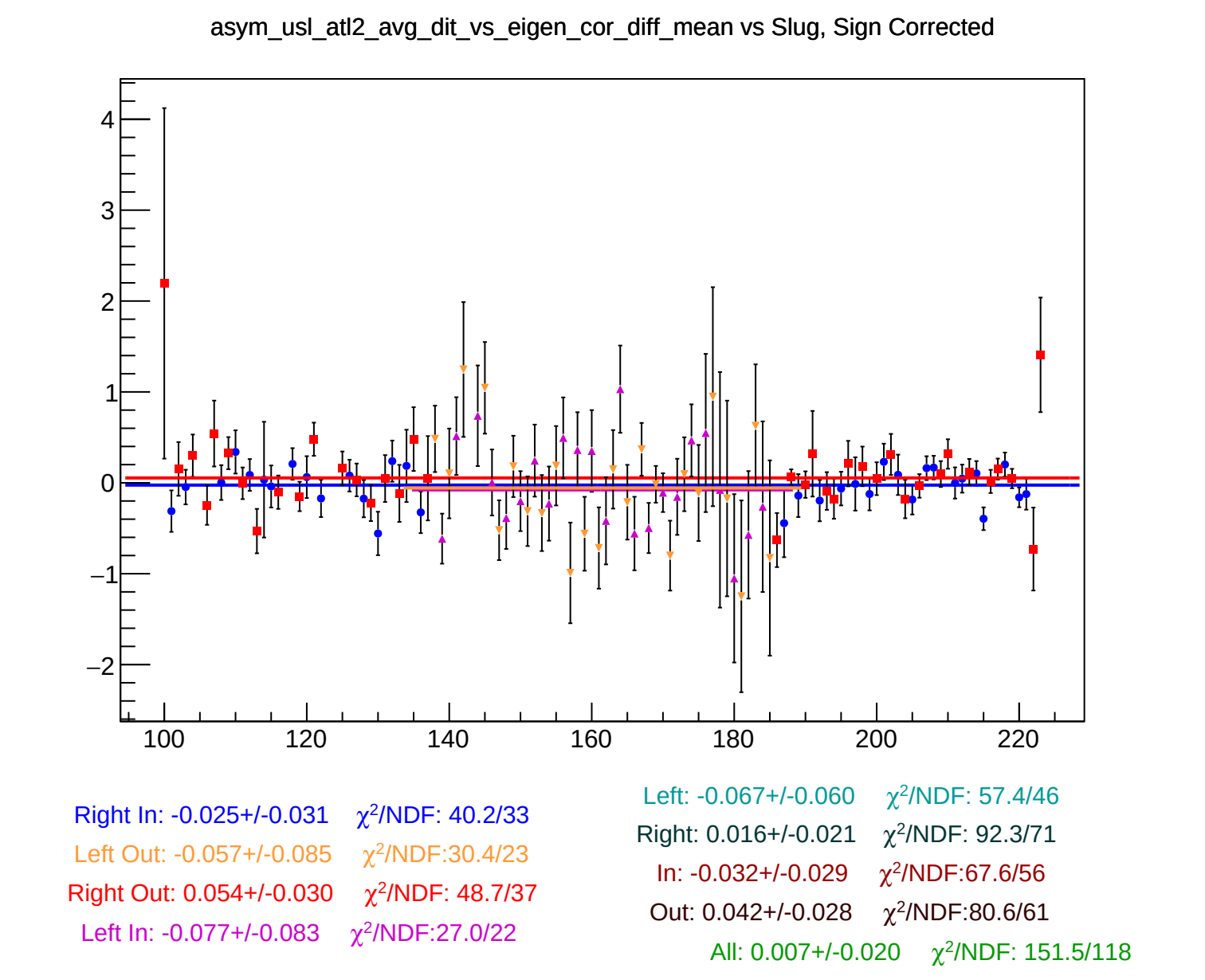
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 132.137+/-0.015 χ^2/NDF: 6797088.6/71

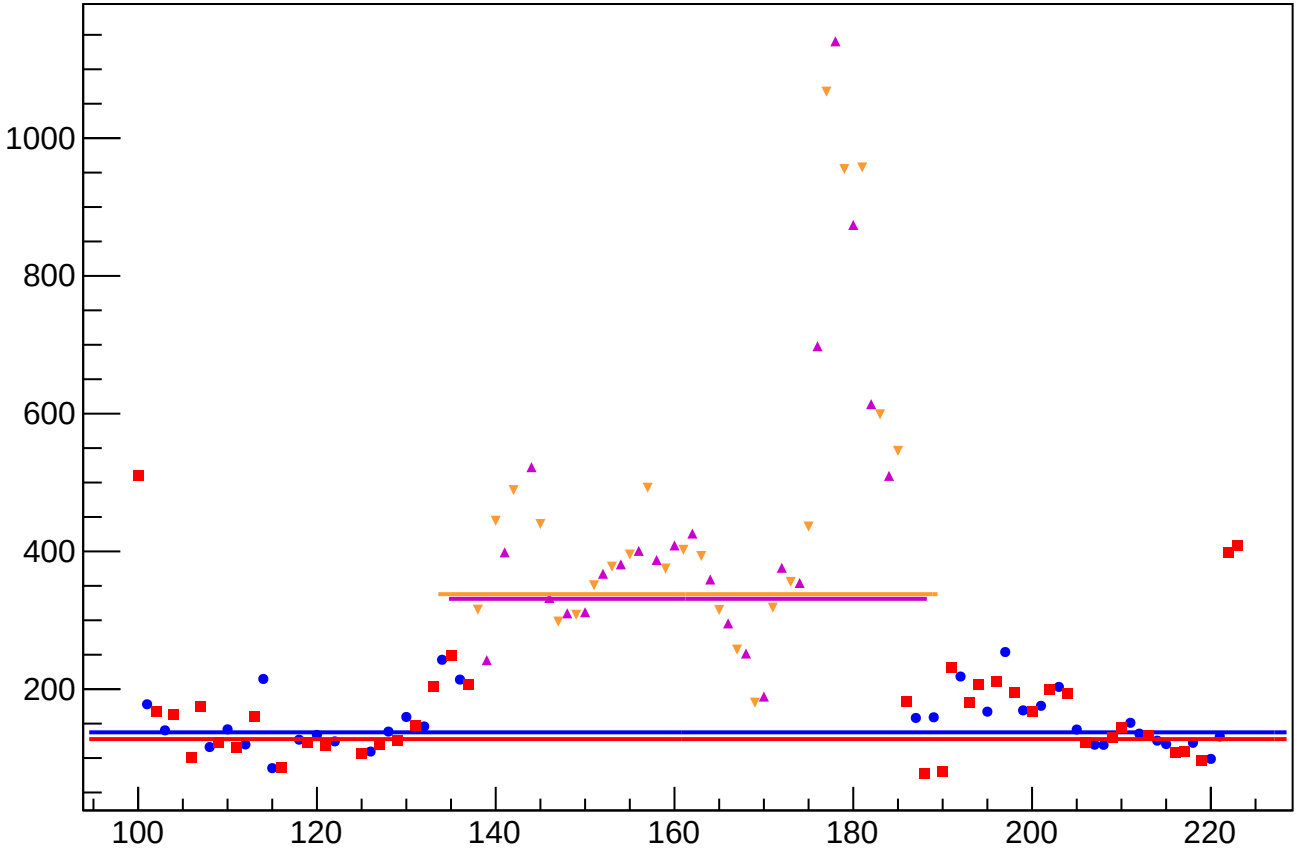
In: 161.138+/-0.021 χ^2/NDF:15655826.8/56

Out: 149.963+/-0.020 χ^2/NDF:19966274.2/61

All: 155.296+/-0.014 χ^2/NDF: 35774887.1/11


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.025+/-0.031 χ²/NDF: 40.2/33
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.054+/-0.030 χ²/NDF: 48.7/37
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.016+/-0.021 χ²/NDF: 92.3/71
In: -0.032+/-0.029 χ²/NDF:67.6/56
Out: 0.042+/-0.028 χ²/NDF:80.6/61
All: 0.007+/-0.020 χ²/NDF: 151.5/118

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

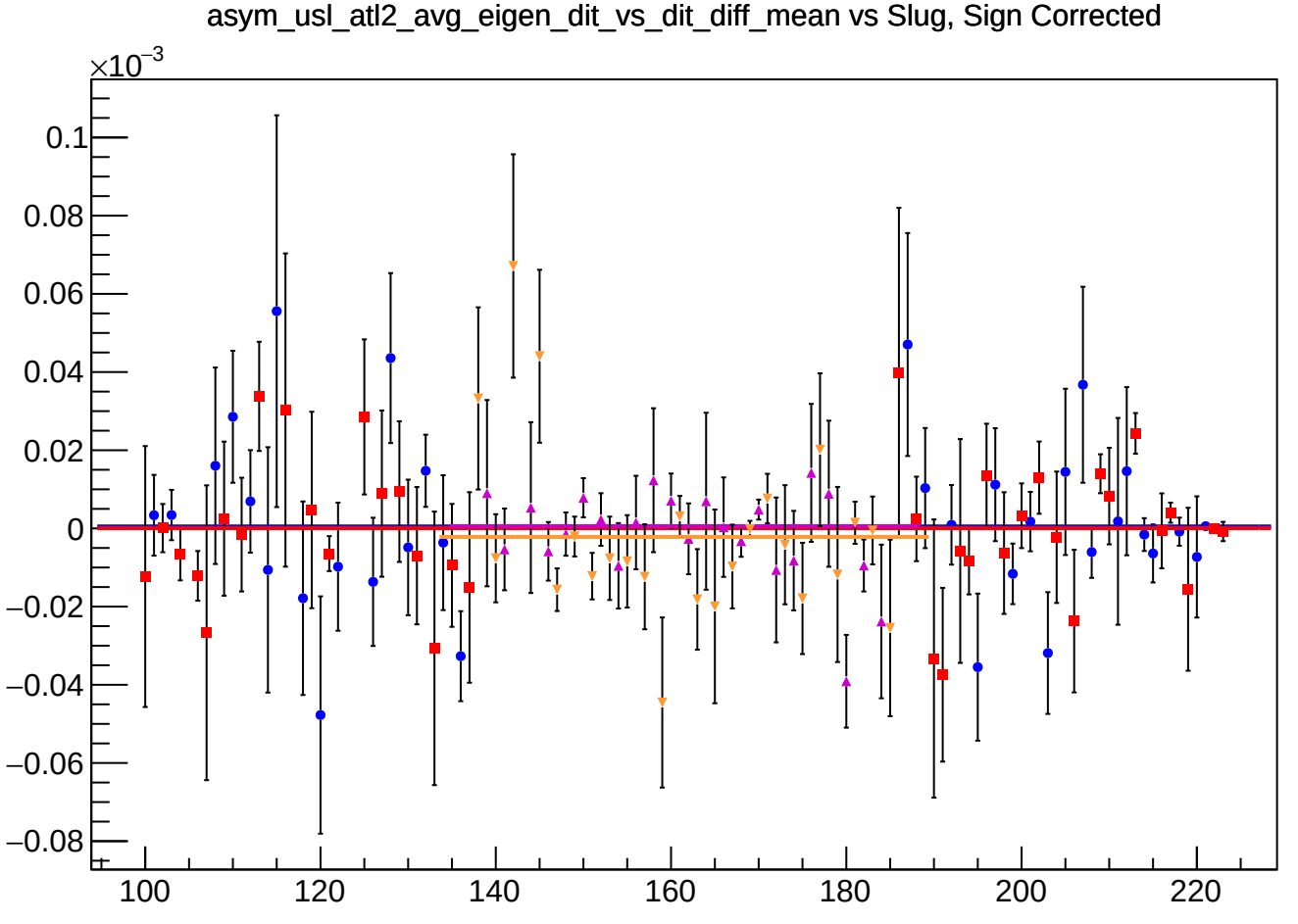
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 132.137+/-0.015 χ^2/NDF: 6797088.6/71

In: 161.138+/-0.021 χ^2/NDF:15655826.8/56

Out: 149.963+/-0.020 χ^2/NDF:19966274.2/61

All: 155.296+/-0.014 χ^2/NDF: 35774887.1/11



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

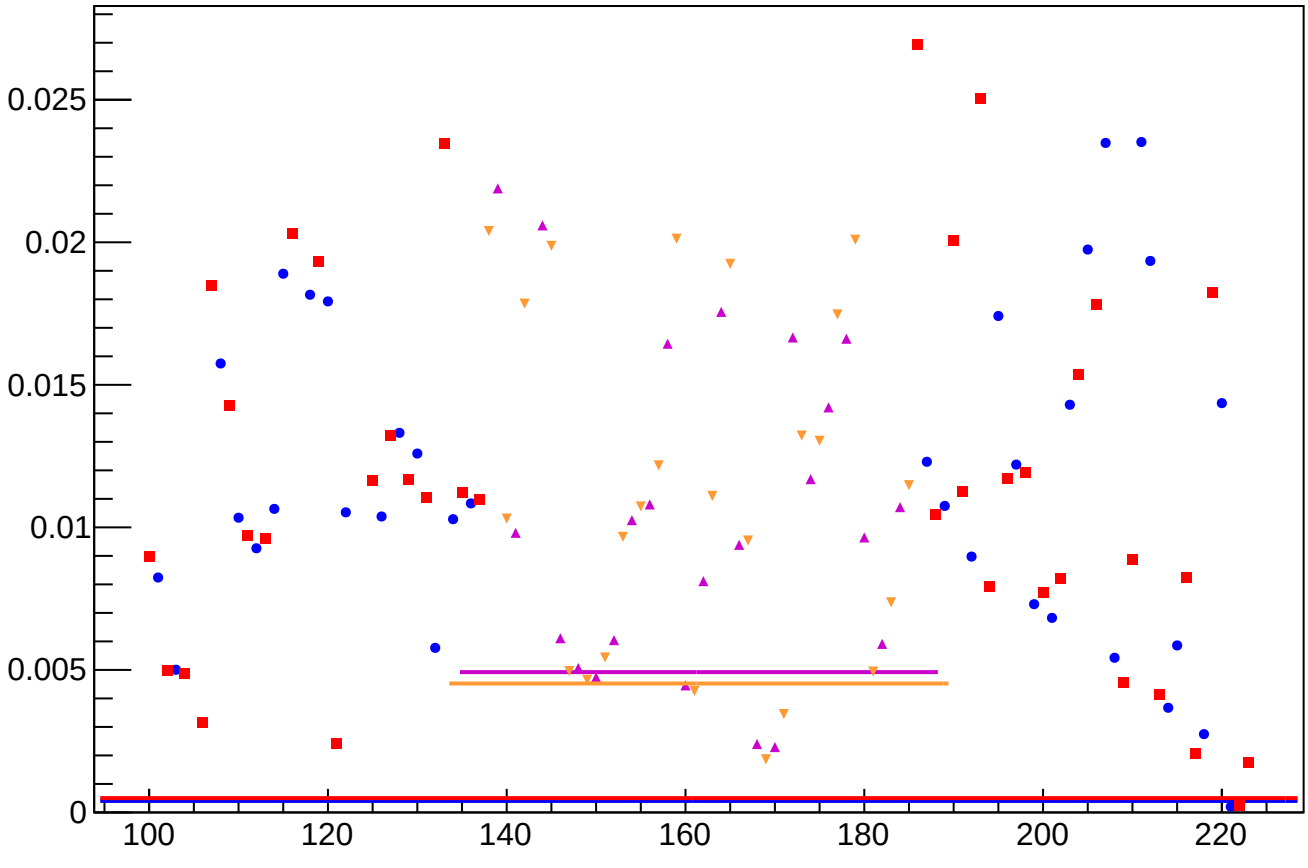
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 106.3/71

In: 0.000+/-0.000 χ^2/NDF:69.8/56

Out: -0.000+/-0.000 χ^2/NDF:102.2/61

All: 0.000+/-0.000 χ^2/NDF: 173.5/118



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

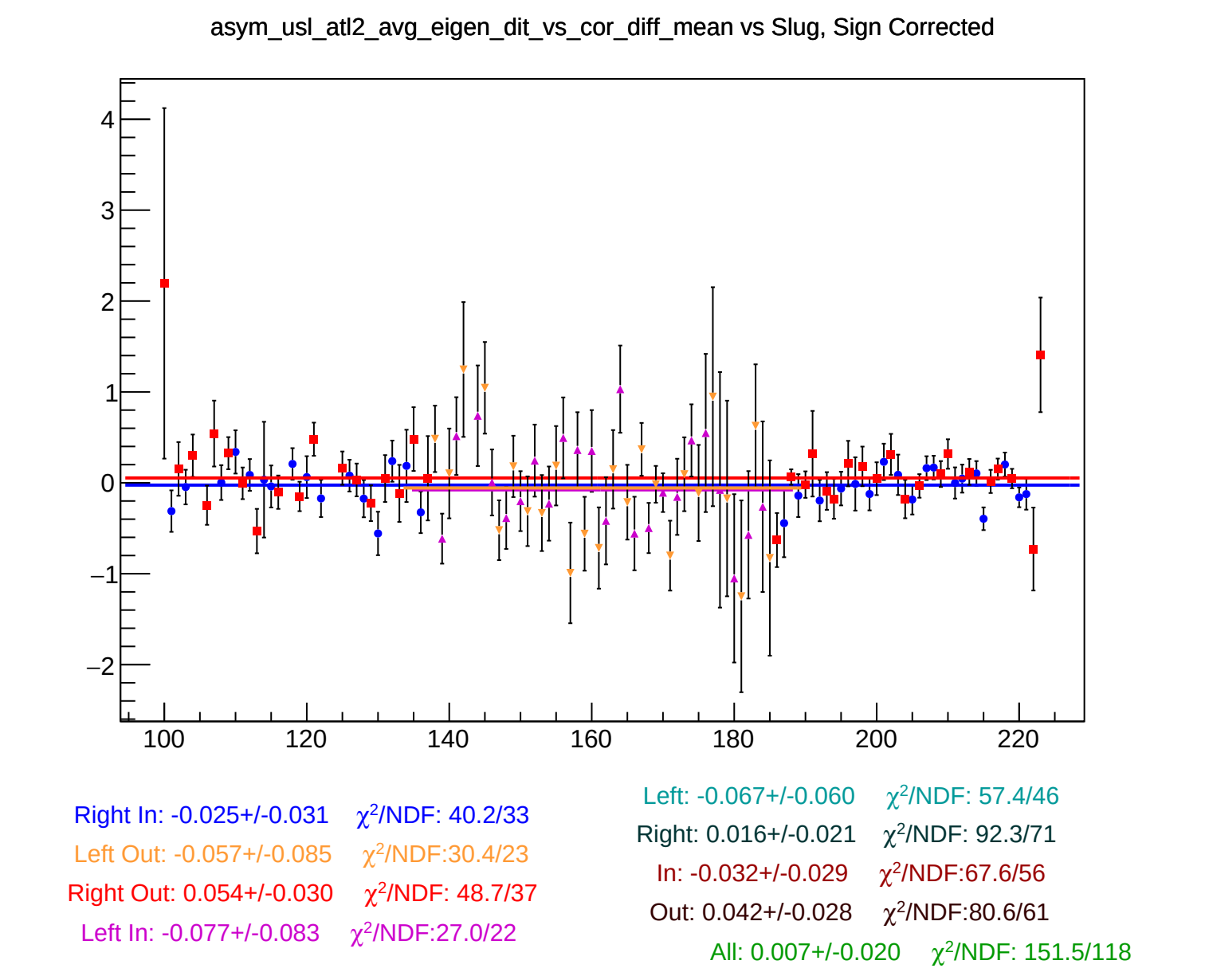
Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

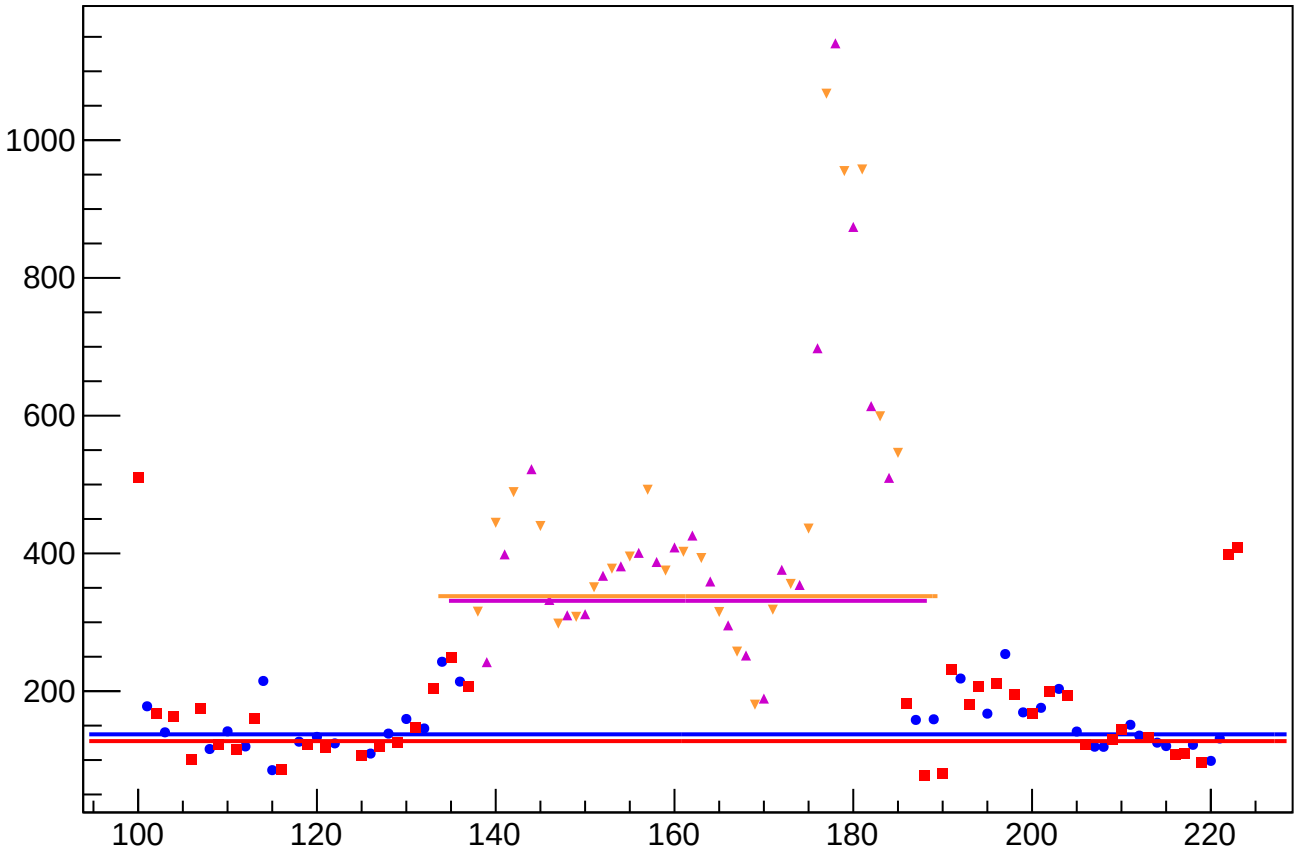
Right: 0.000+/-0.000 χ^2/NDF: 72685804.6/71

In: 0.001+/-0.000 χ^2/NDF:65469149.9/56

Out: 0.001+/-0.000 χ^2/NDF:66147633.6/61

All: 0.001+/-0.000 χ^2/NDF: 131756079.3/118


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.025+/-0.031 χ²/NDF: 40.2/33
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.054+/-0.030 χ²/NDF: 48.7/37
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.016+/-0.021 χ²/NDF: 92.3/71
In: -0.032+/-0.029 χ²/NDF:67.6/56
Out: 0.042+/-0.028 χ²/NDF:80.6/61
All: 0.007+/-0.020 χ²/NDF: 151.5/118



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

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

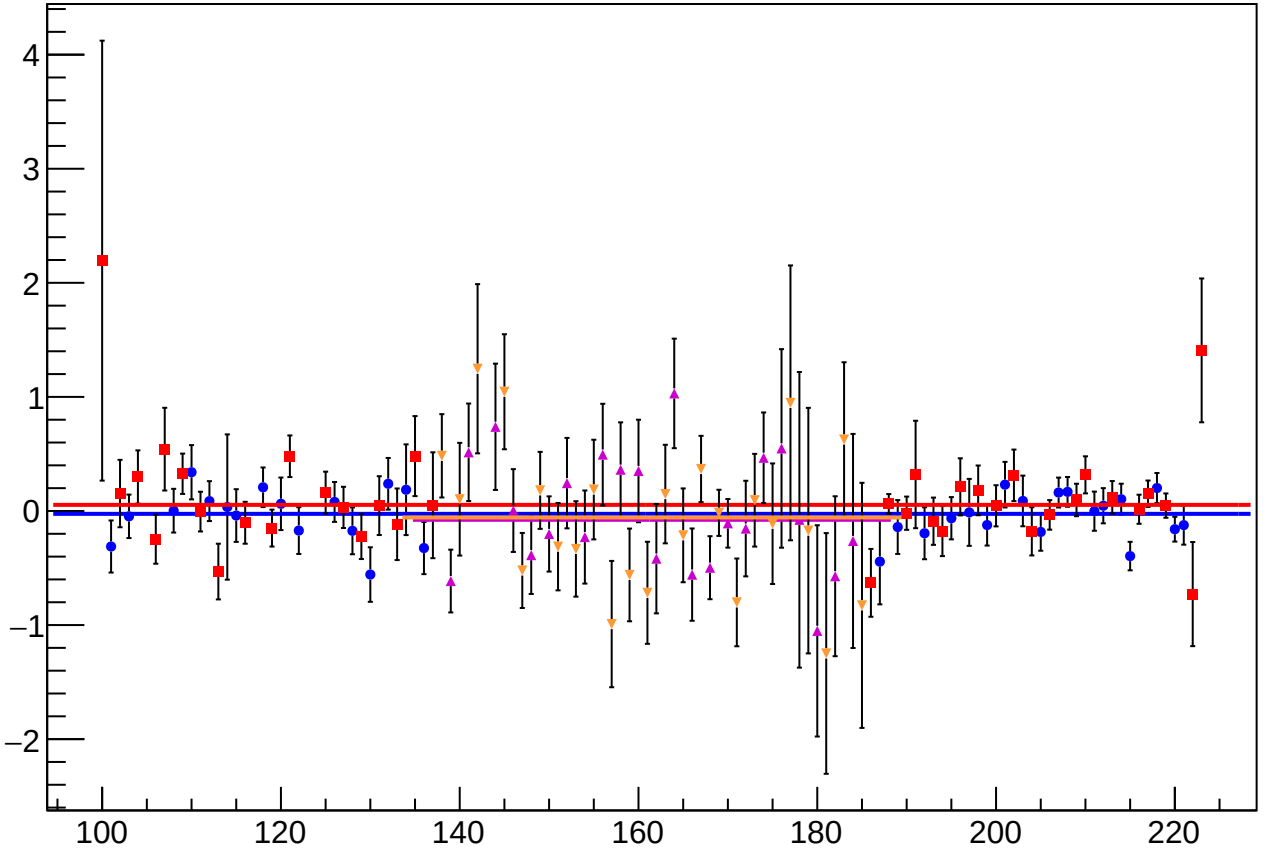
Right: 132.137+/-0.015 χ^2/NDF: 6797231.6/71

In: 161.139+/-0.021 χ^2/NDF:15655883.7/56

Out: 149.962+/-0.020 χ^2/NDF:19966692.6/61

All: 155.296+/-0.014 χ^2/NDF: 35775412.0/11

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

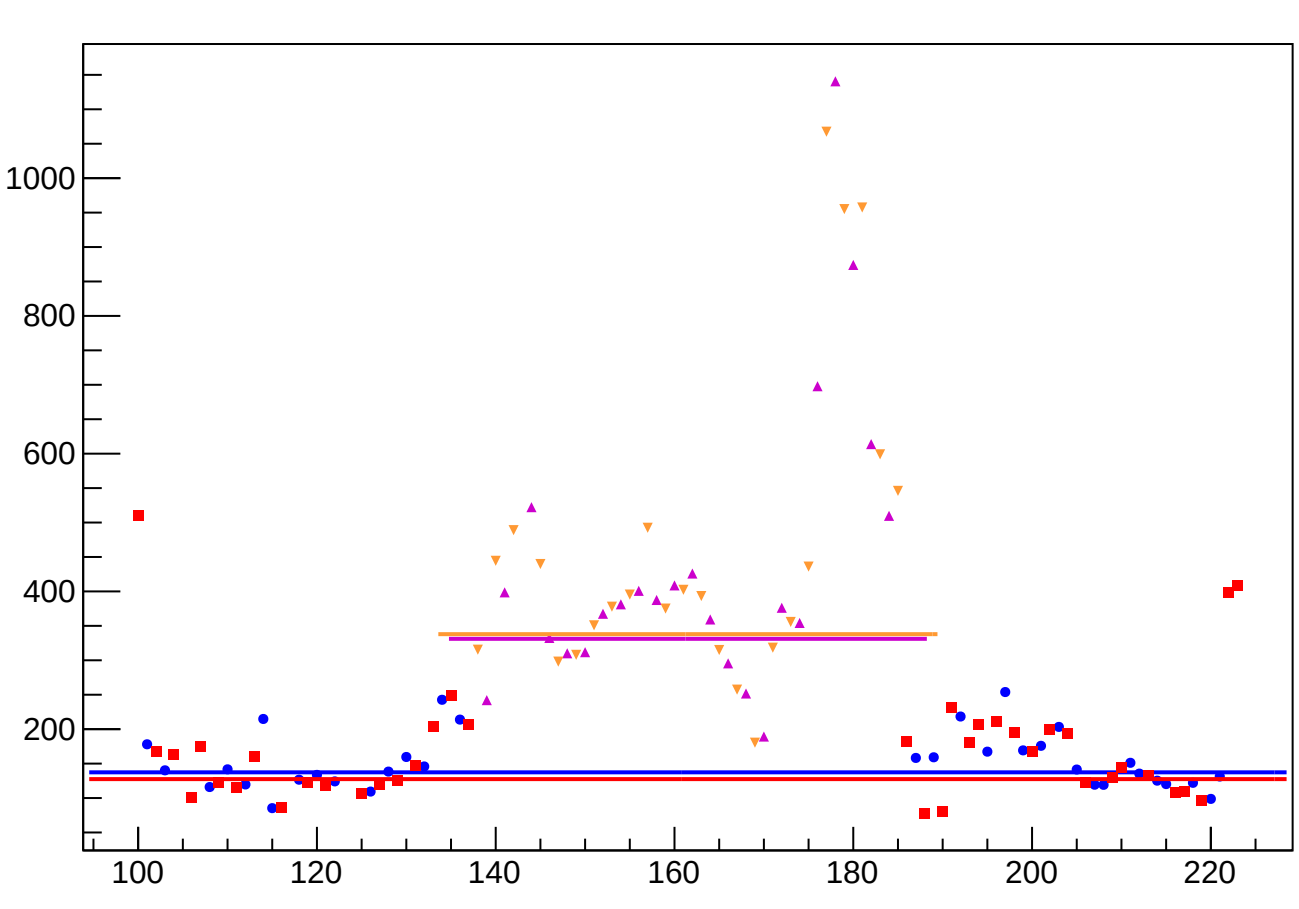
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.016+/-0.021 χ^2/NDF: 92.3/71

In: -0.032+/-0.029 χ^2/NDF:67.6/56

Out: 0.042+/-0.028 χ^2/NDF:80.6/61

All: 0.007+/-0.020 χ^2/NDF: 151.5/118



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

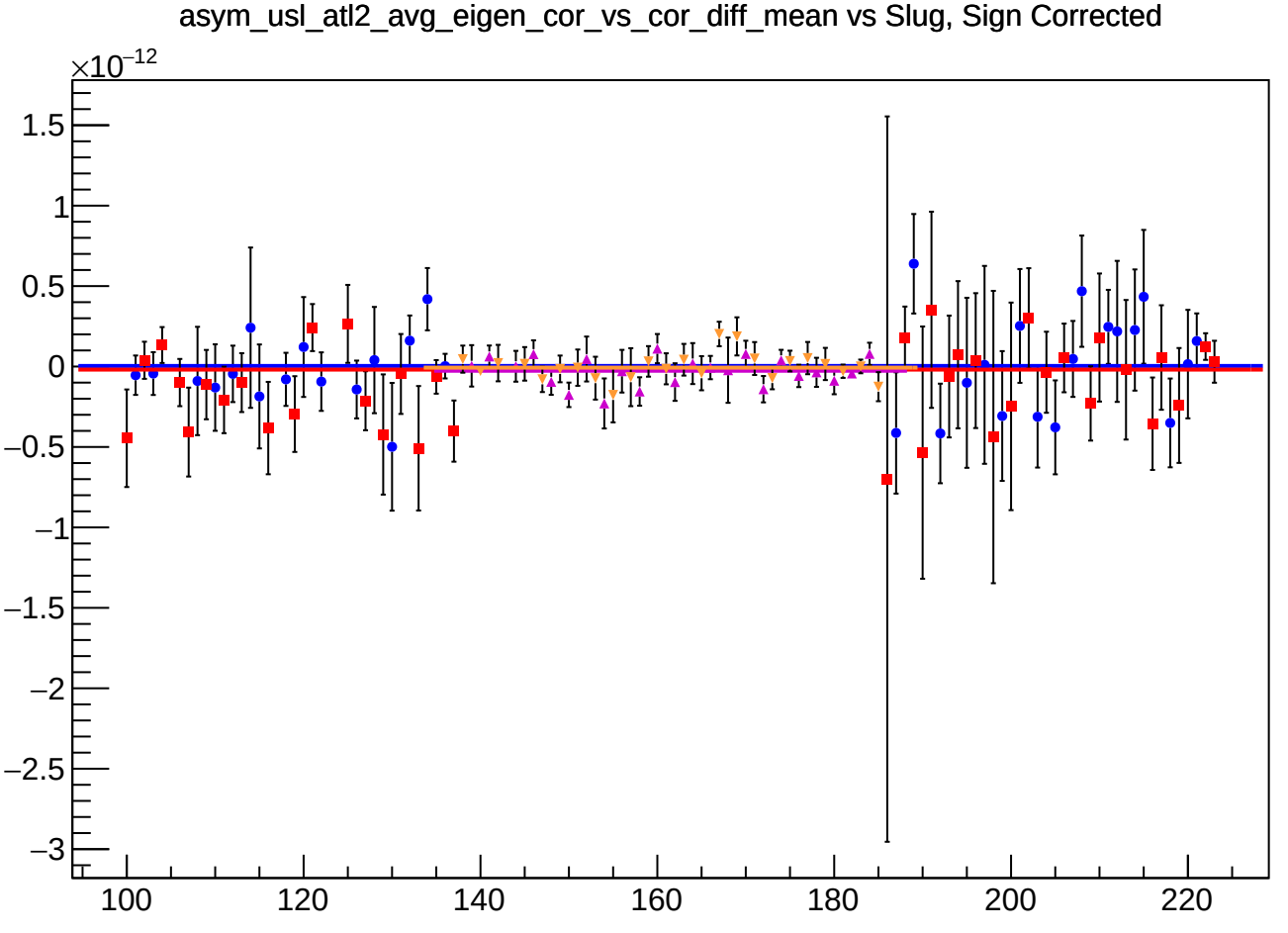
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 132.137+/-0.015 χ^2/NDF: 6797231.6/71

In: 161.139+/-0.021 χ^2/NDF:15655883.7/56

Out: 149.962+/-0.020 χ^2/NDF:19966692.6/61

All: 155.296+/-0.014 χ^2/NDF: 35775412.0/11



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

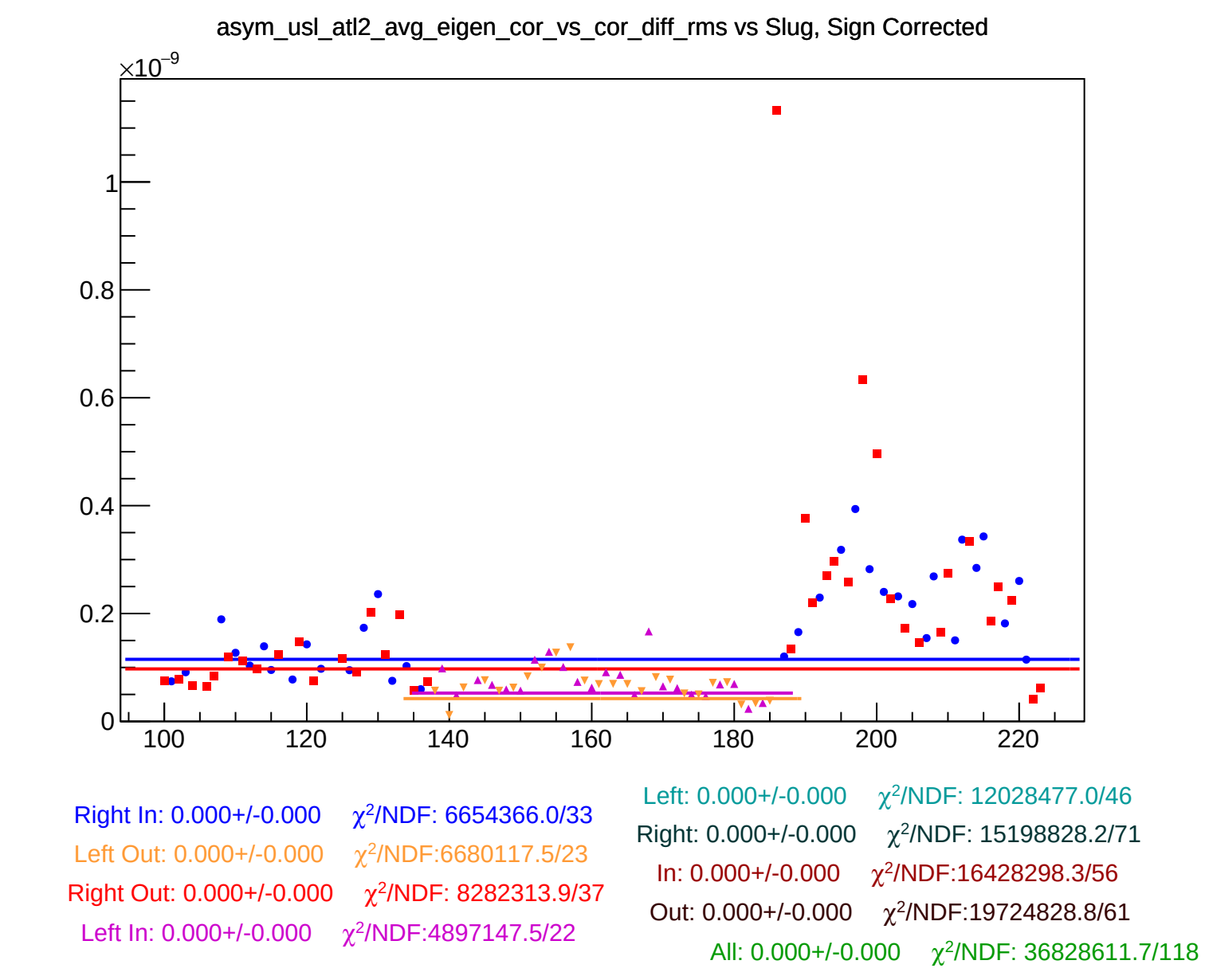
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

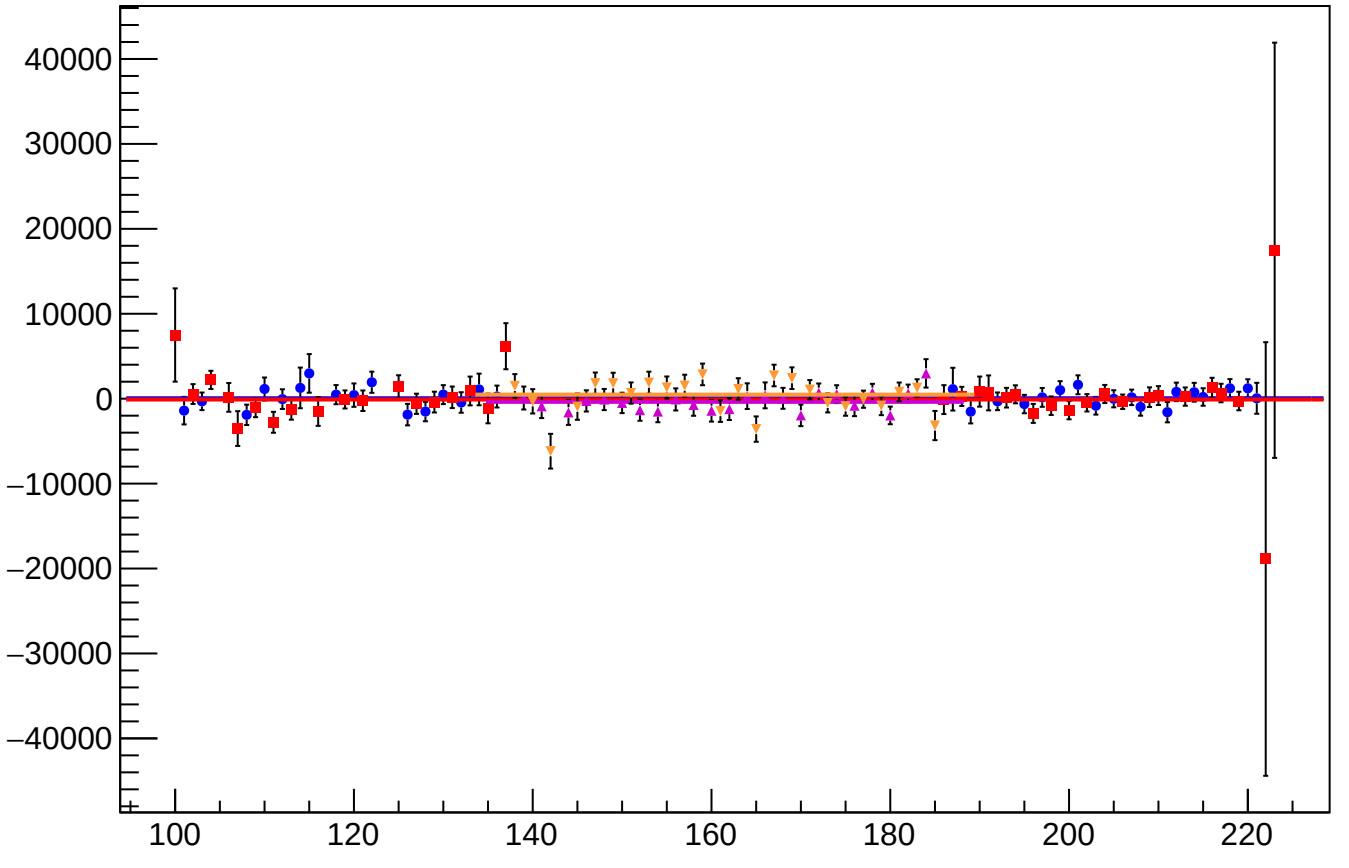
Right: -0.000+/-0.000 χ^2/NDF: 61.1/71

In: -0.000+/-0.000 χ^2/NDF:51.4/56

Out: -0.000+/-0.000 χ^2/NDF:51.0/61

All: -0.000+/-0.000 χ^2/NDF: 102.8/118


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 12028477.0/46
Right: 0.000+/-0.000 χ²/NDF: 15198828.2/71
In: 0.000+/-0.000 χ²/NDF:16428298.3/56
Out: 0.000+/-0.000 χ²/NDF:19724828.8/61
All: 0.000+/-0.000 χ²/NDF: 36828611.7/118



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

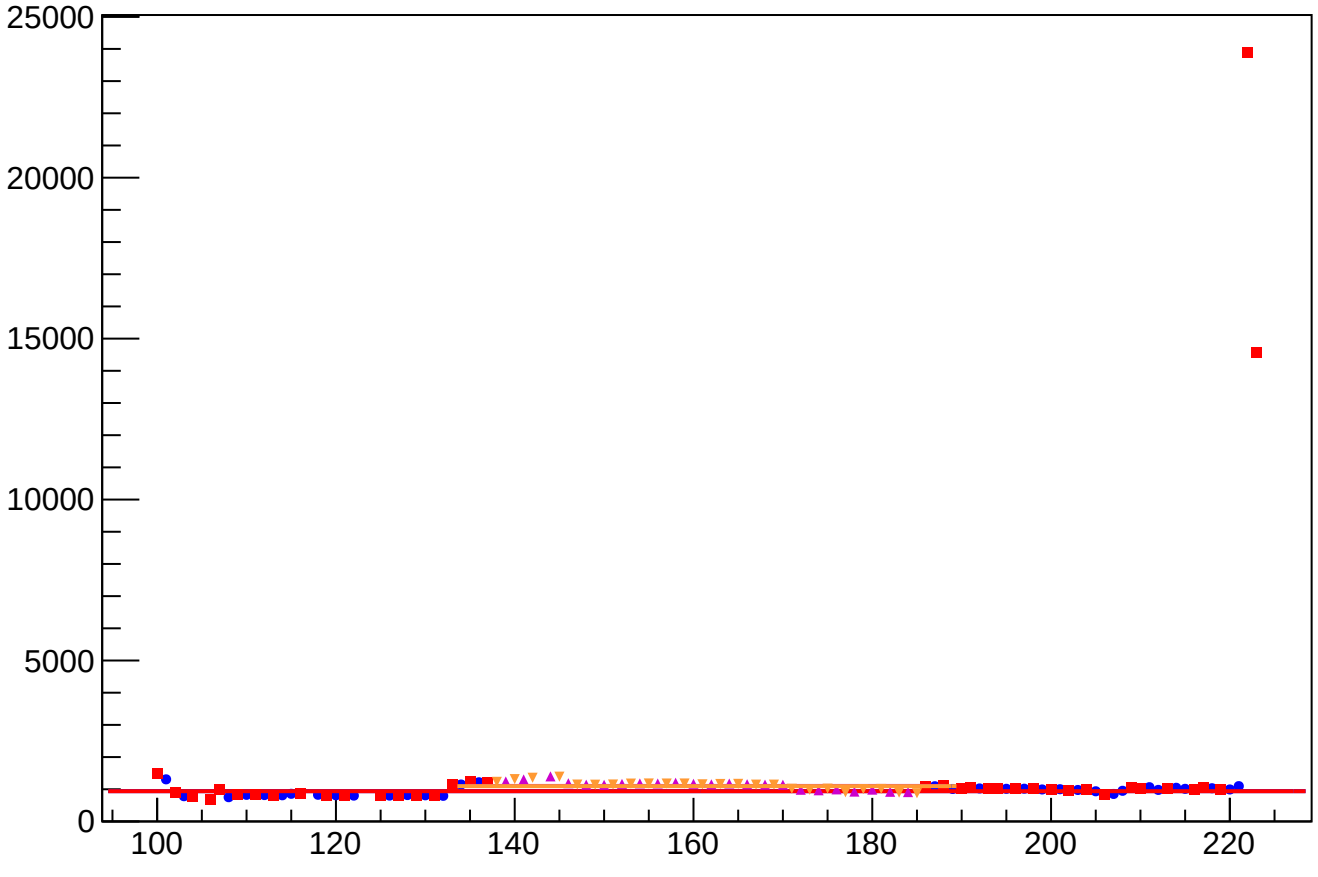
Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

Right: -23.752+/-145.393 χ^2/NDF: 58.7/71

In: -112.862+/-160.930 χ^2/NDF:42.9/56

Out: 128.582+/-160.573 χ^2/NDF:81.5/61

All: 8.129+/-113.668 χ^2/NDF: 125.5/118



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

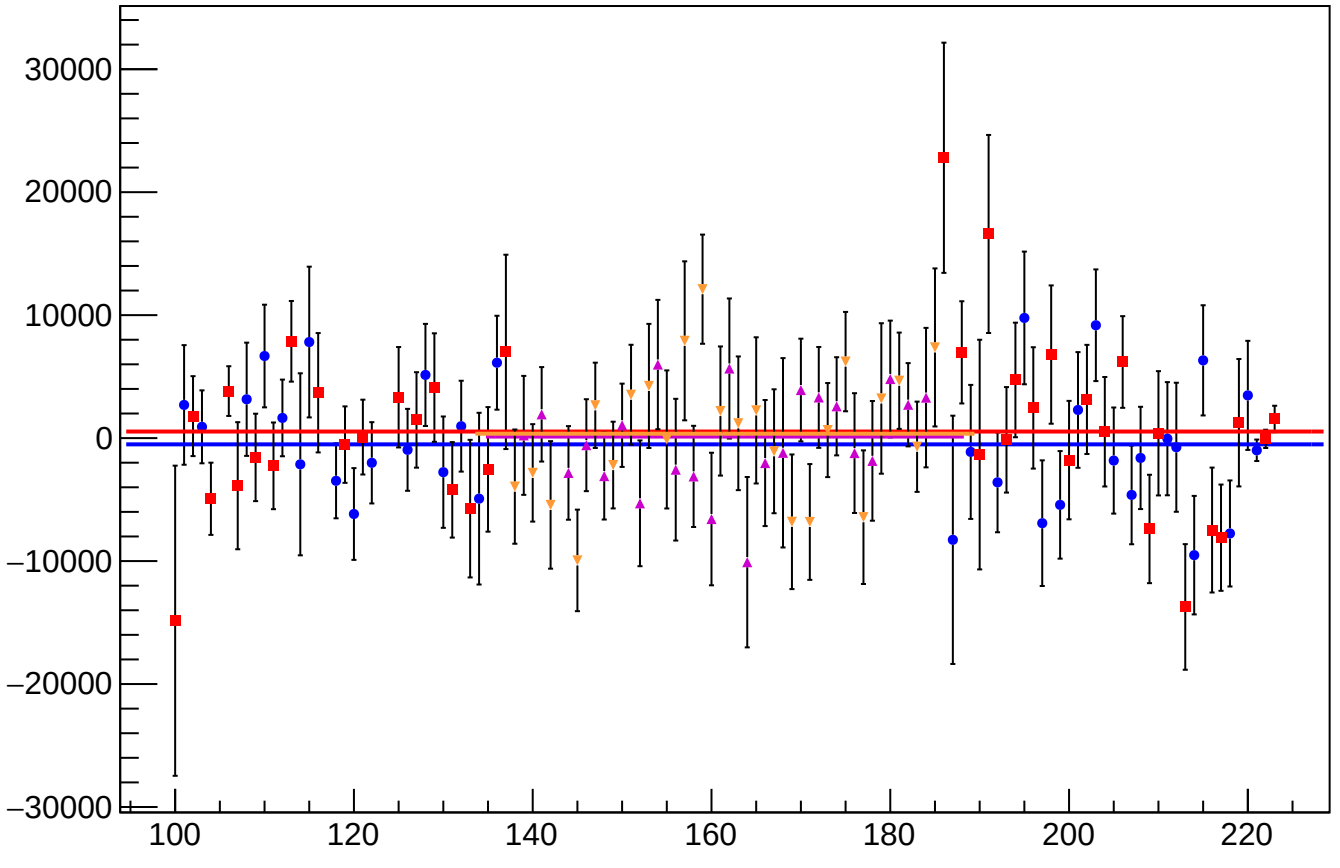
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 940.839+/-0.103 χ^2/NDF: 3610319.9/71

In: 1003.856+/-0.114 χ^2/NDF:1606955.2/56

Out: 1001.176+/-0.113 χ^2/NDF:3864949.6/61

All: 1002.509+/-0.080 χ^2/NDF: 5472183.8/11



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

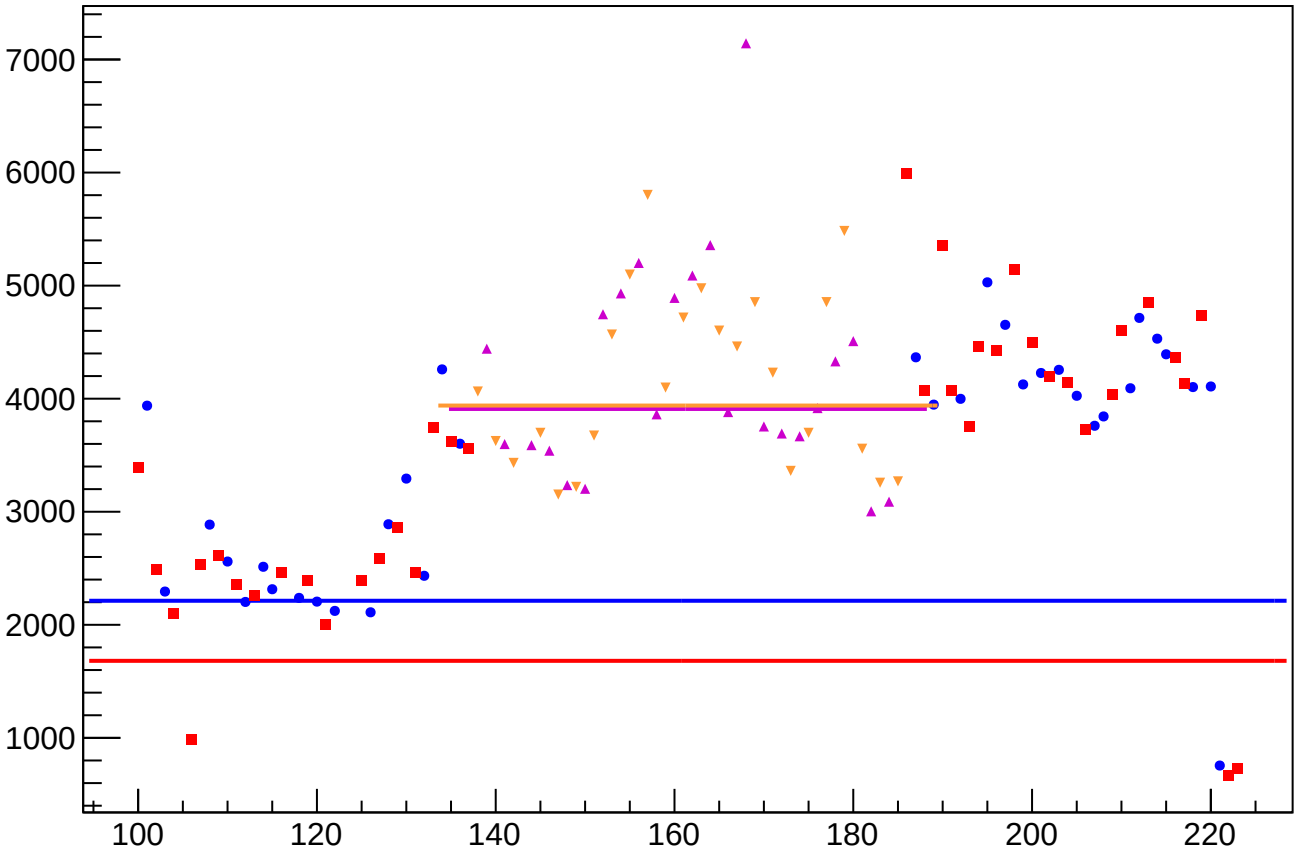
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 121.026+/-356.083 χ^2/NDF: 97.6/71

In: -337.649+/-483.472 χ^2/NDF:53.4/56

Out: 500.432+/-411.553 χ^2/NDF:86.6/61

All: 148.302+/-313.386 χ^2/NDF: 141.7/118



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

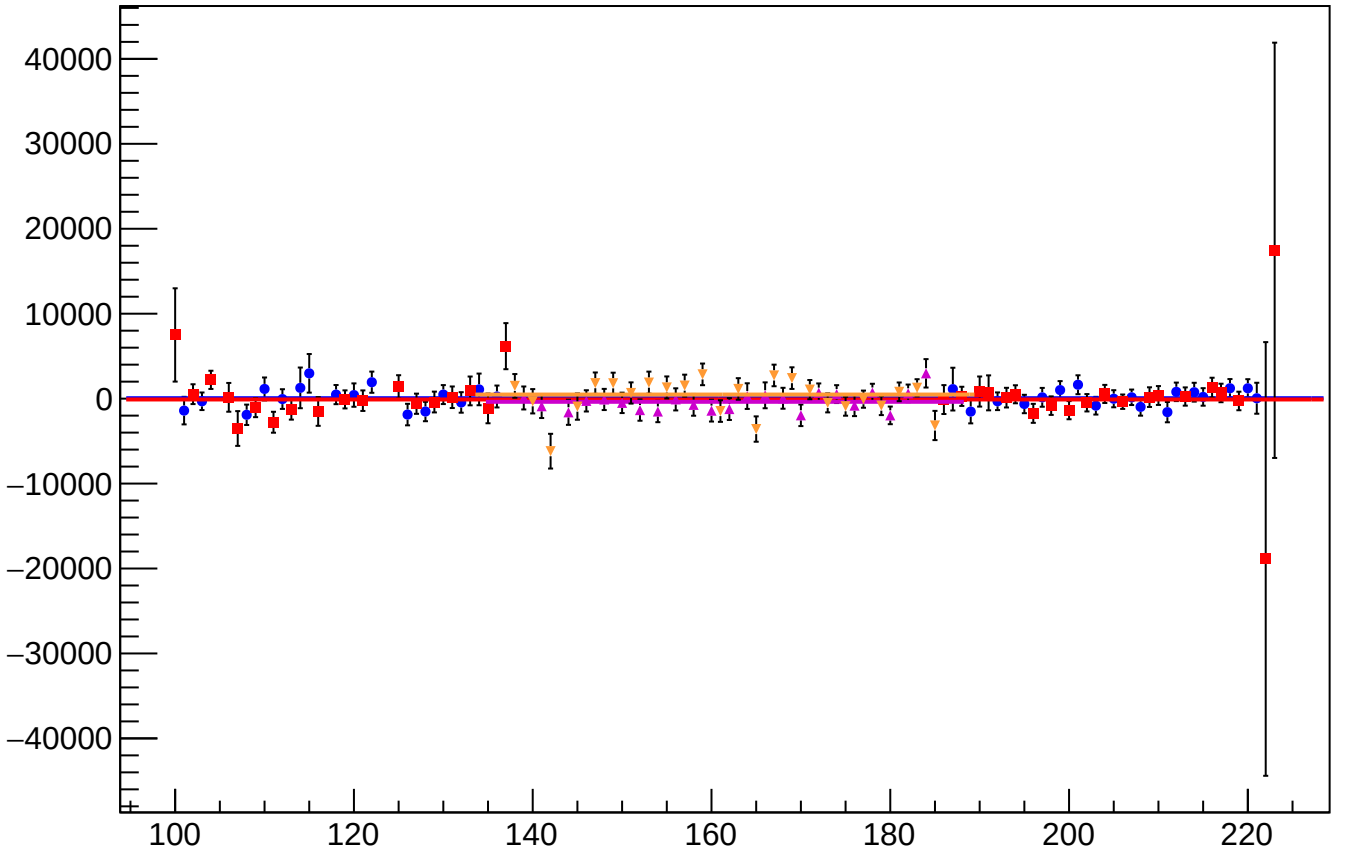
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 1892.111+/-0.252 χ^2/NDF: 31728131.8/71

In: 2668.559+/-0.342 χ^2/NDF:18912708.3/56

Out: 2119.529+/-0.291 χ^2/NDF:28397776.4/61

All: 2350.211+/-0.222 χ^2/NDF: 48805983.1/



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

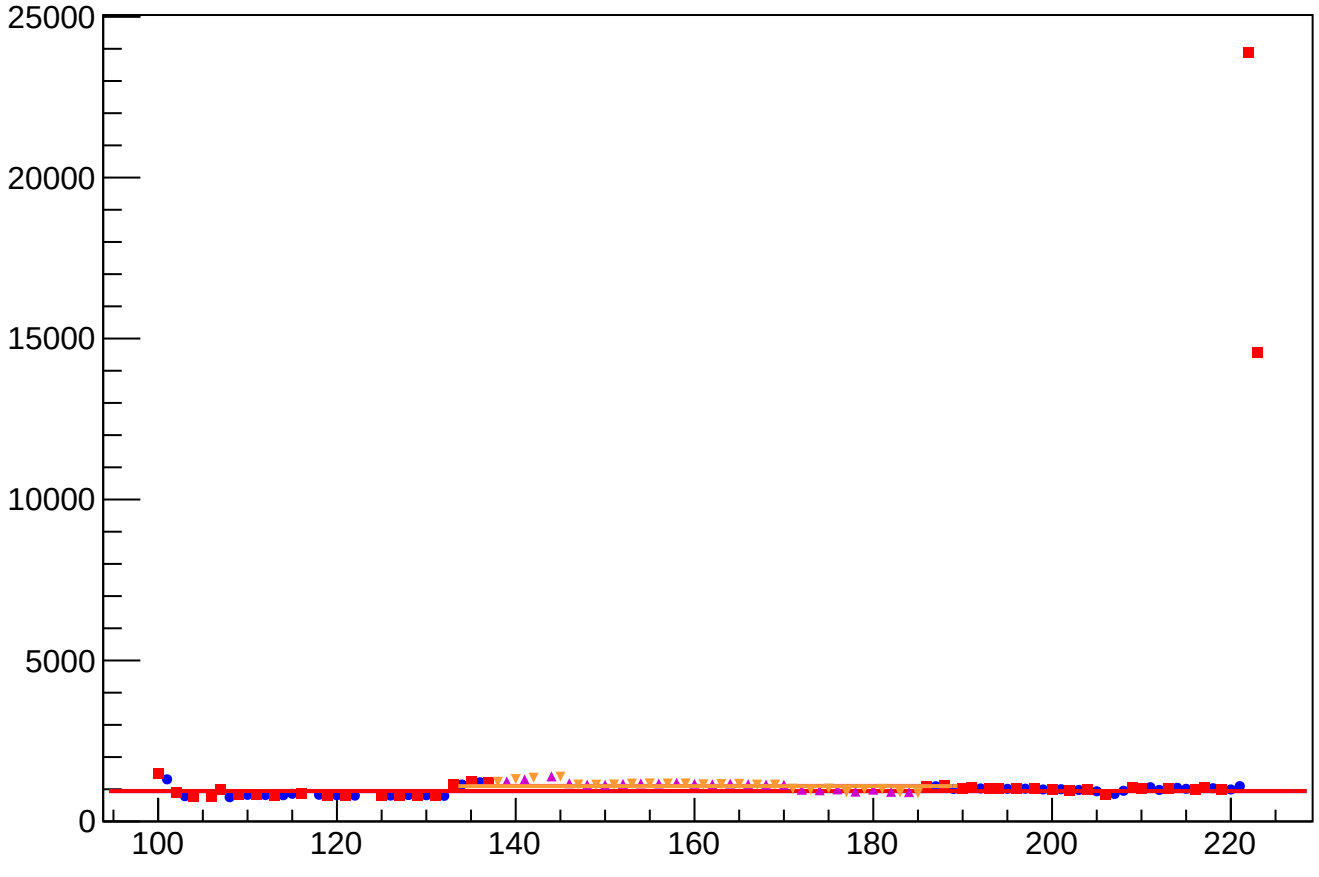
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -24.092+/-145.394 χ^2/NDF: 58.7/71

In: -112.849+/-160.930 χ^2/NDF:42.9/56

Out: 128.177+/-160.574 χ^2/NDF:81.5/61

All: 7.931+/-113.669 χ^2/NDF: 125.5/118



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

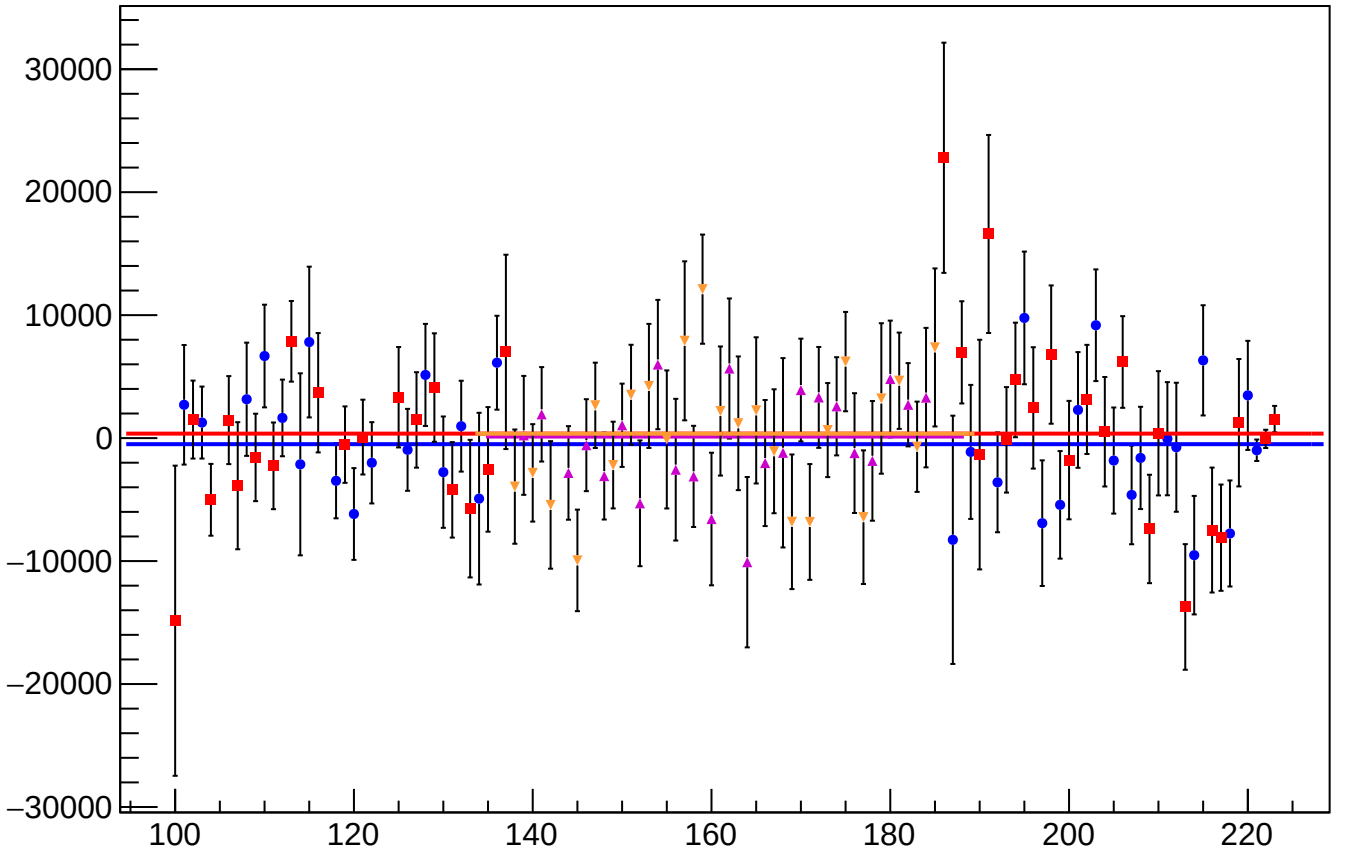
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 942.713+/-0.103 χ^2/NDF: 3547473.8/71

In: 1003.856+/-0.114 χ^2/NDF:1606955.2/56

Out: 1003.682+/-0.113 χ^2/NDF:3779466.6/61

All: 1003.769+/-0.080 χ^2/NDF: 5386423.0/11



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

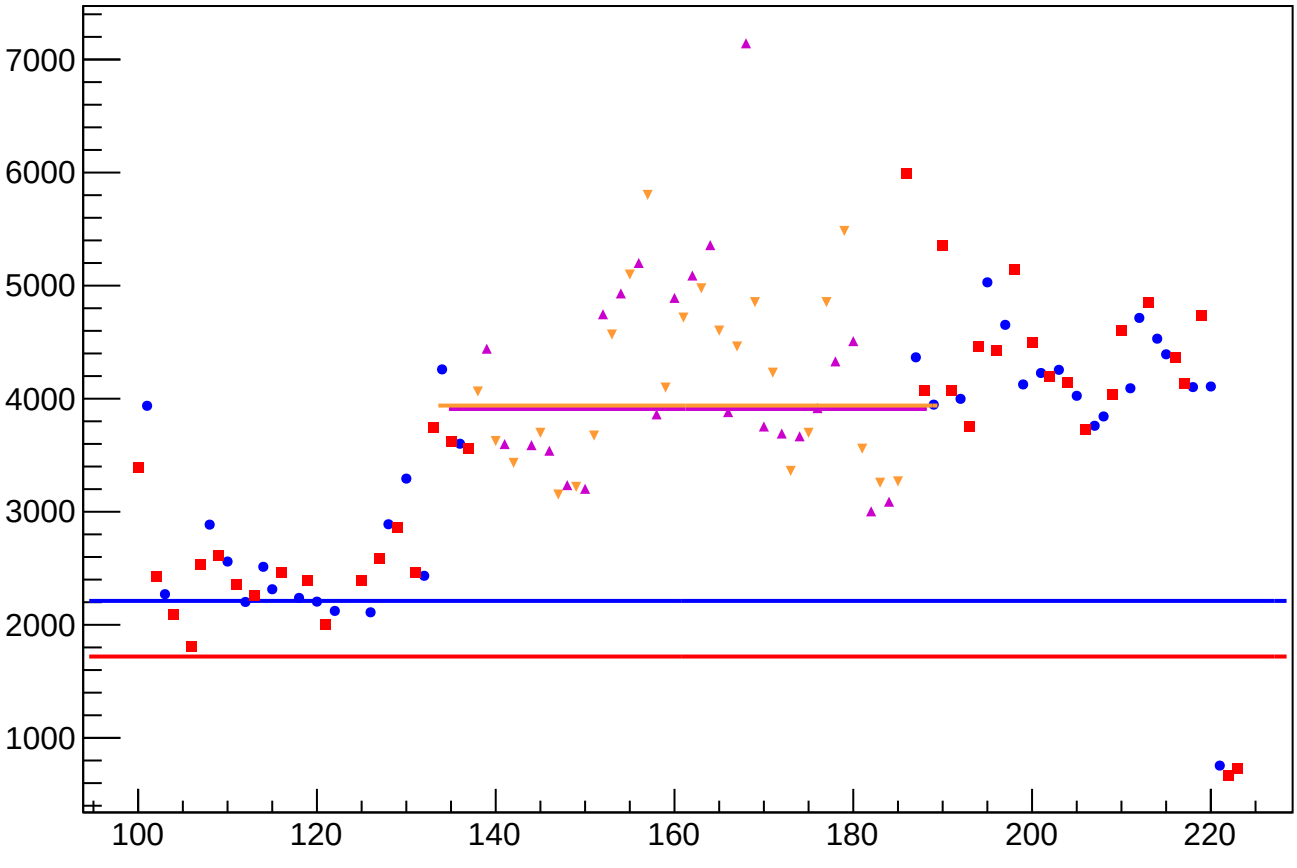
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 16.998+/-359.656 χ^2/NDF: 94.5/71

In: -326.822+/-483.273 χ^2/NDF:53.5/56

Out: 363.165+/-417.226 χ^2/NDF:83.9/61

All: 68.507+/-315.813 χ^2/NDF: 138.6/118



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

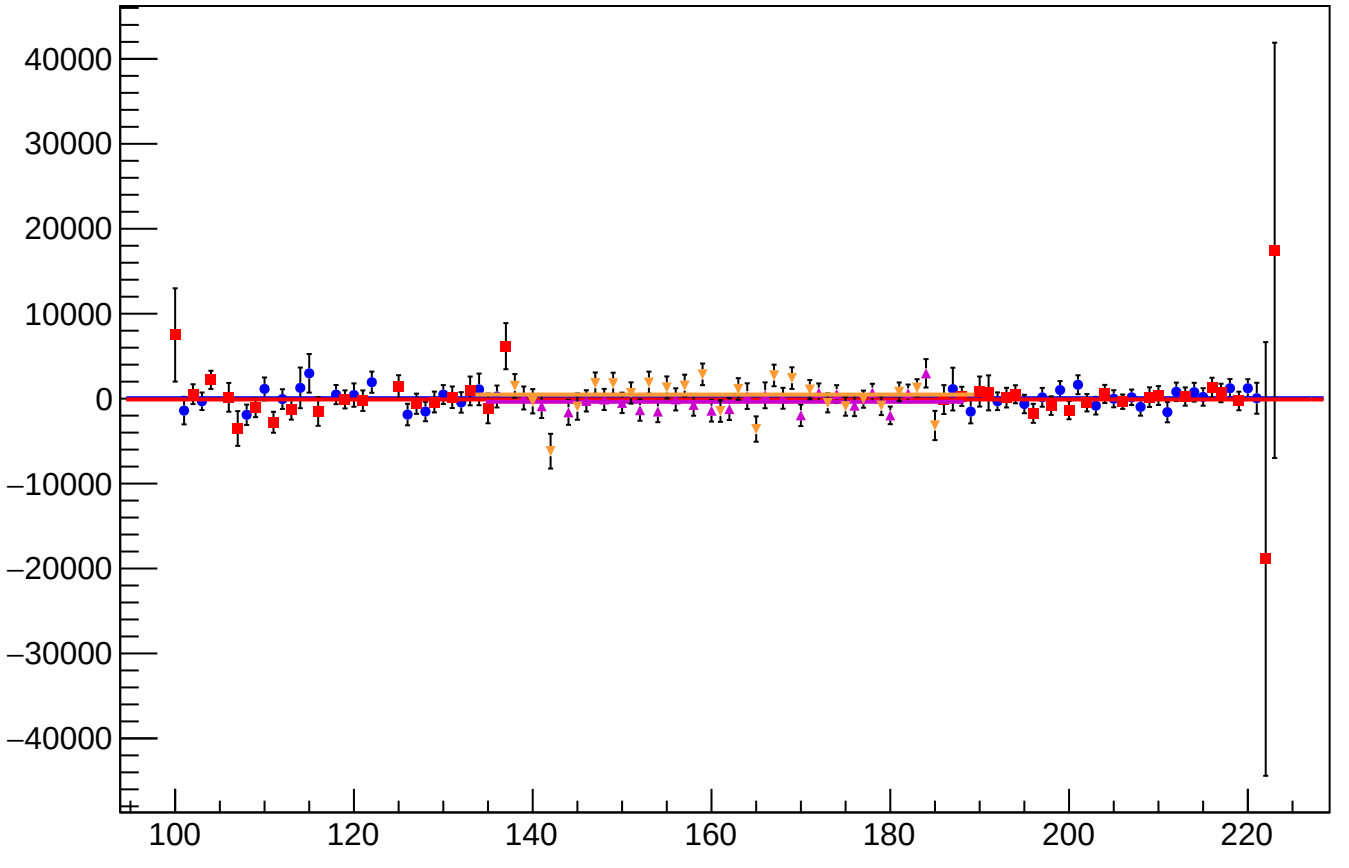
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 1918.887+/-0.254 χ^2/NDF: 31311509.1/71

In: 2667.360+/-0.342 χ^2/NDF:18923880.3/56

Out: 2162.295+/-0.295 χ^2/NDF:27764740.6/61

All: 2377.982+/-0.223 χ^2/NDF: 47940204.3/1



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

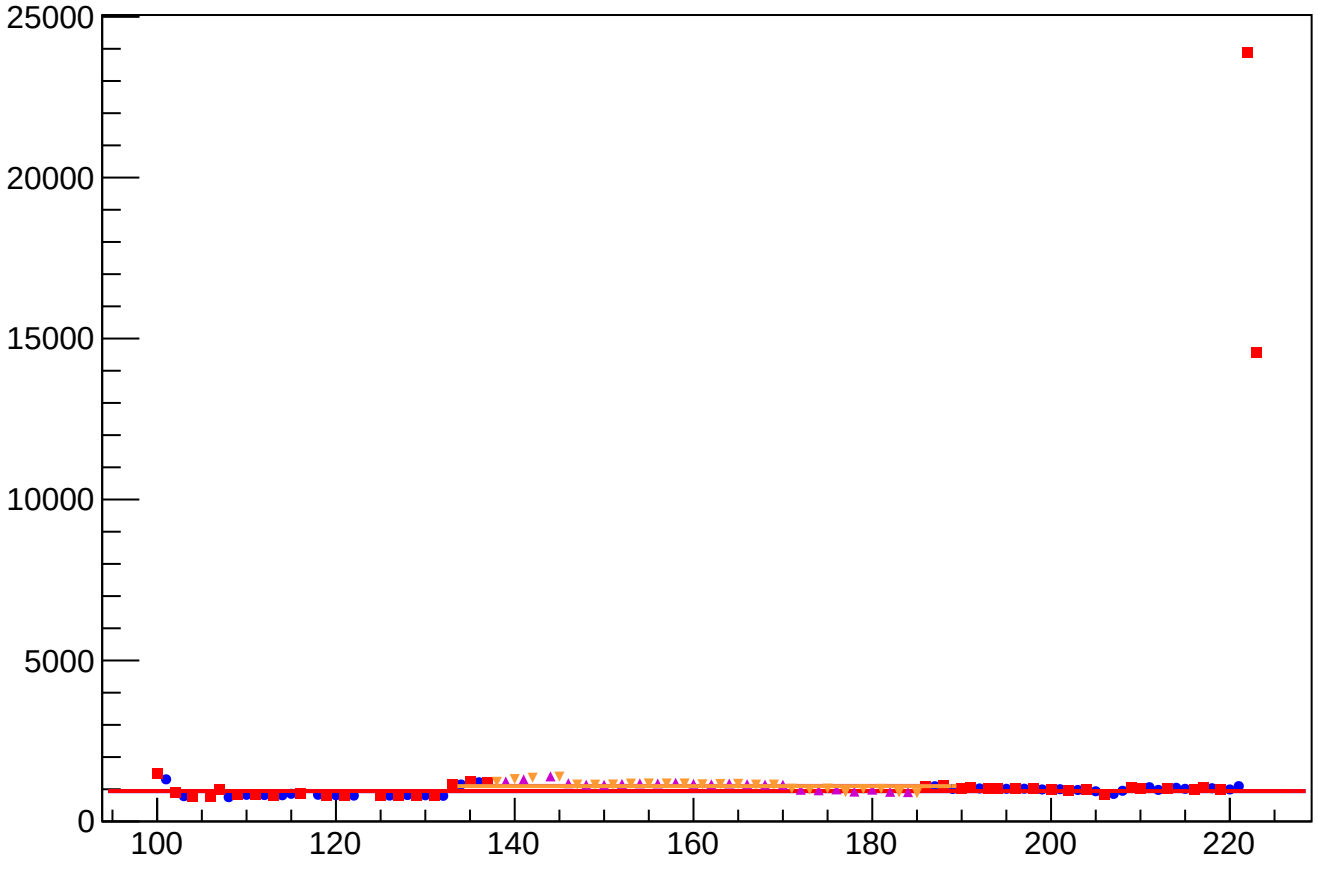
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -24.092+/-145.394 χ^2/NDF: 58.7/71

In: -112.849+/-160.930 χ^2/NDF:42.9/56

Out: 128.177+/-160.574 χ^2/NDF:81.5/61

All: 7.931+/-113.669 χ^2/NDF: 125.5/118



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

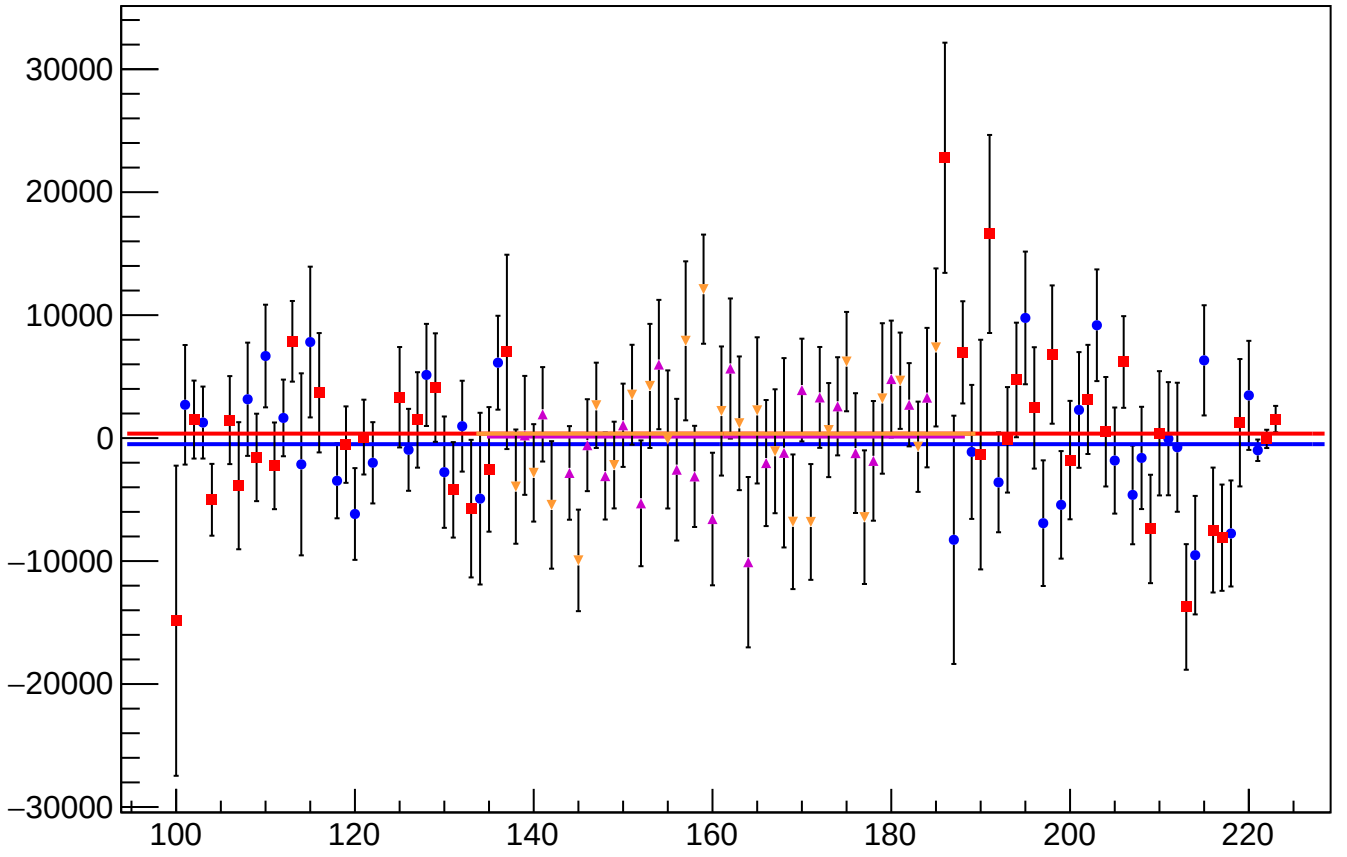
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 942.713+/-0.103 χ^2/NDF: 3547473.8/71

In: 1003.856+/-0.114 χ^2/NDF:1606955.2/56

Out: 1003.682+/-0.113 χ^2/NDF:3779466.6/61

All: 1003.769+/-0.080 χ^2/NDF: 5386423.0/11



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

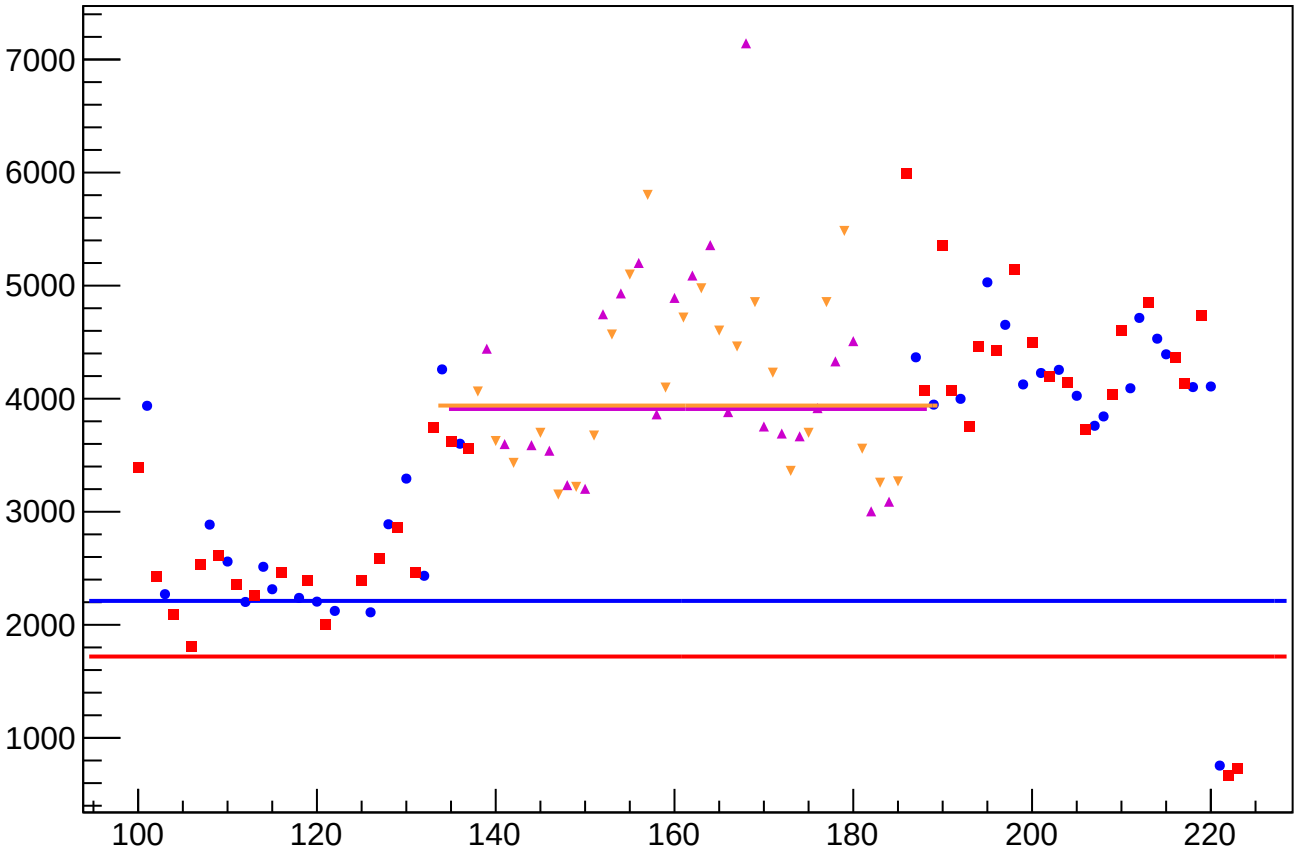
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 16.998+/-359.656 χ^2/NDF: 94.5/71

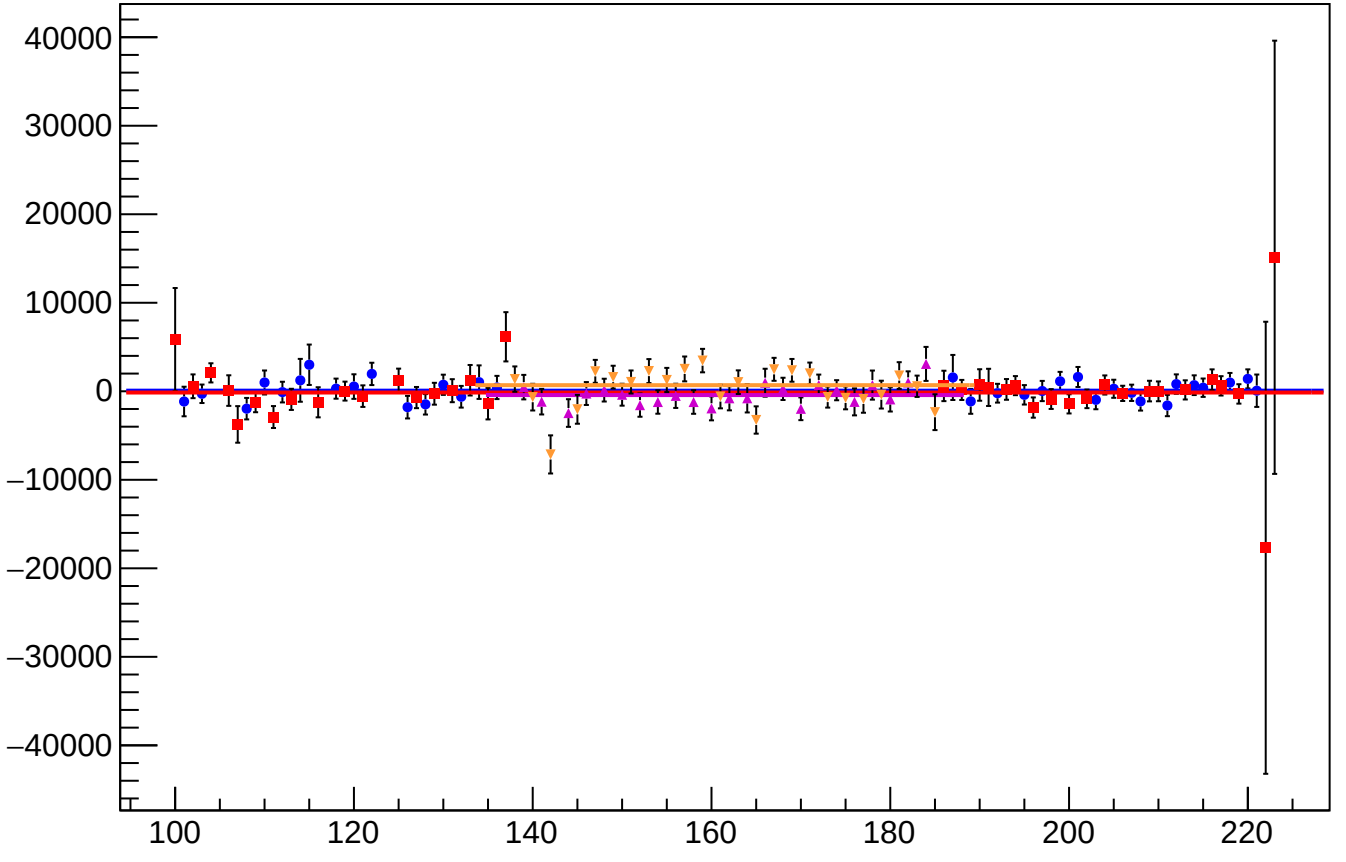
In: -326.822+/-483.273 χ^2/NDF:53.5/56

Out: 363.165+/-417.226 χ^2/NDF:83.9/61

All: 68.507+/-315.813 χ^2/NDF: 138.6/118


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2211.553+/-0.400 χ²/NDF: 12776164.9/33
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 1719.565+/-0.330 χ²/NDF: 17633393.1/37
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 1918.887+/-0.254 χ²/NDF: 31311509.1/71
In: 2667.360+/-0.342 χ²/NDF:18923880.3/56
Out: 2162.295+/-0.295 χ²/NDF:27764740.6/61
All: 2377.982+/-0.223 χ²/NDF: 47940204.3/1

dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



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

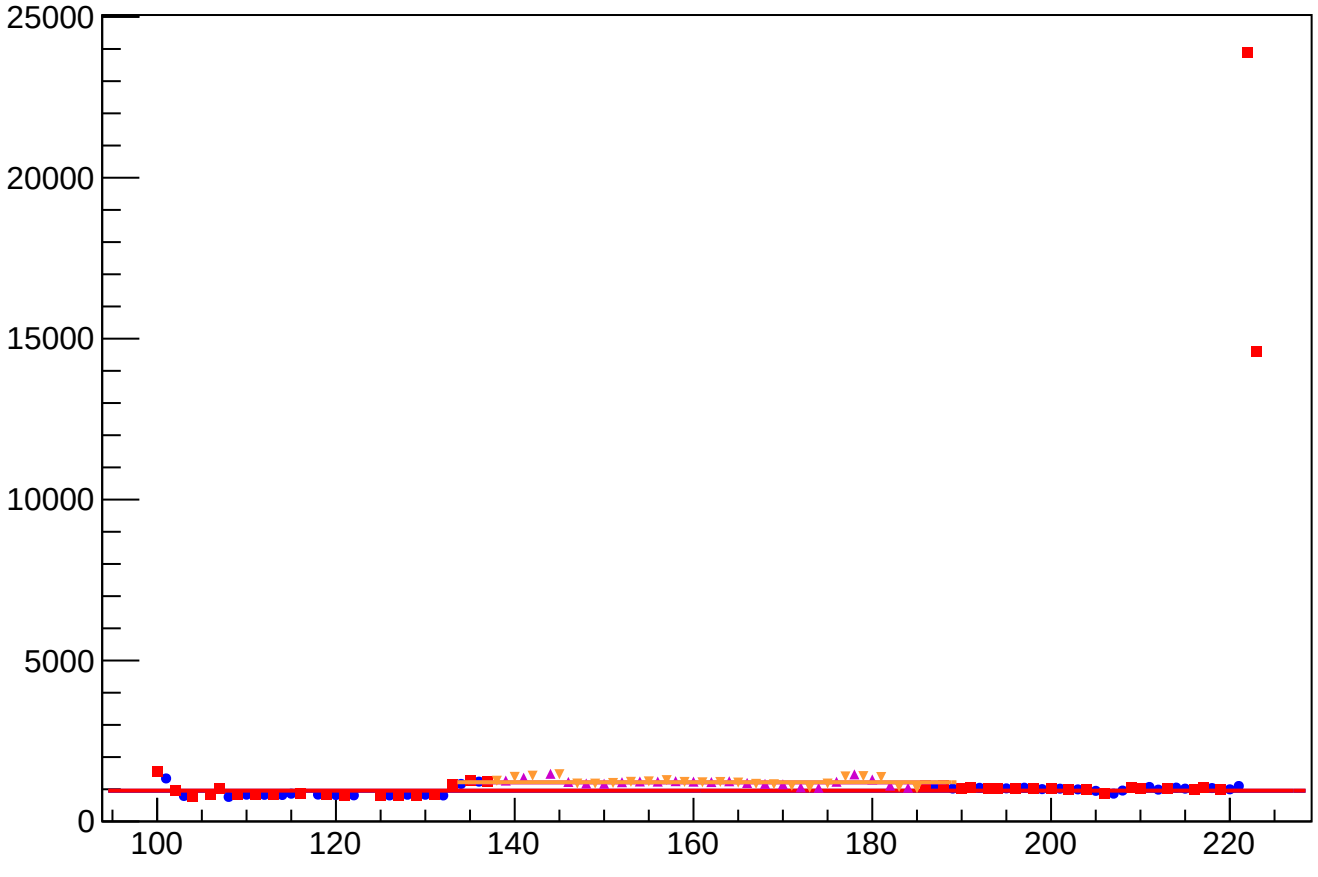
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -34.571+/-147.353 χ^2/NDF: 57.6/71

In: -103.726+/-167.697 χ^2/NDF:41.4/56

Out: 151.126+/-168.487 χ^2/NDF:83.5/61

All: 23.101+/-118.858 χ^2/NDF: 126.1/118



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

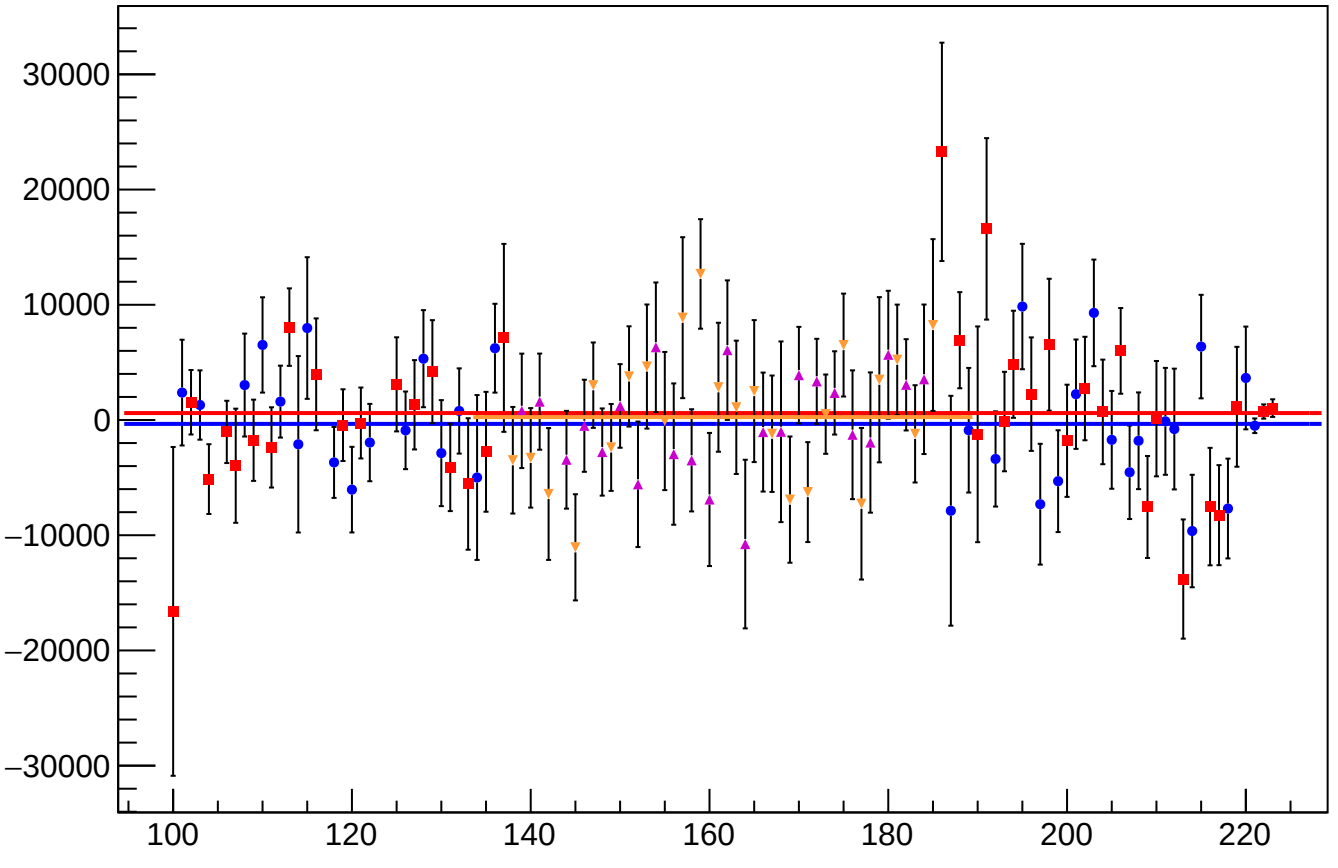
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 954.868+/-0.104 χ^2/NDF: 3553489.8/71

In: 1042.716+/-0.119 χ^2/NDF:2045371.7/56

Out: 1049.241+/-0.119 χ^2/NDF:4250738.0/61

All: 1045.964+/-0.084 χ^2/NDF: 6297617.0/11



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

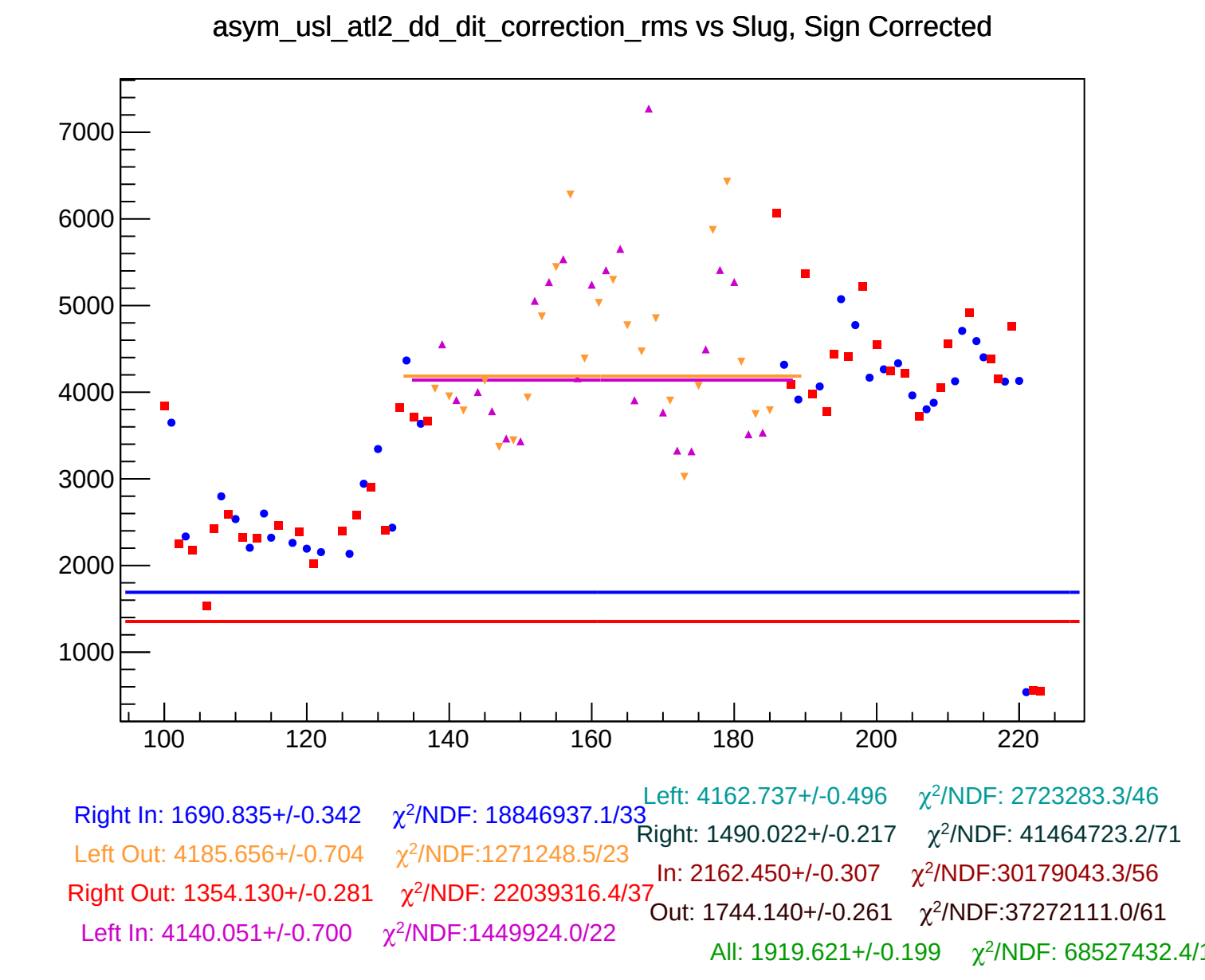
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

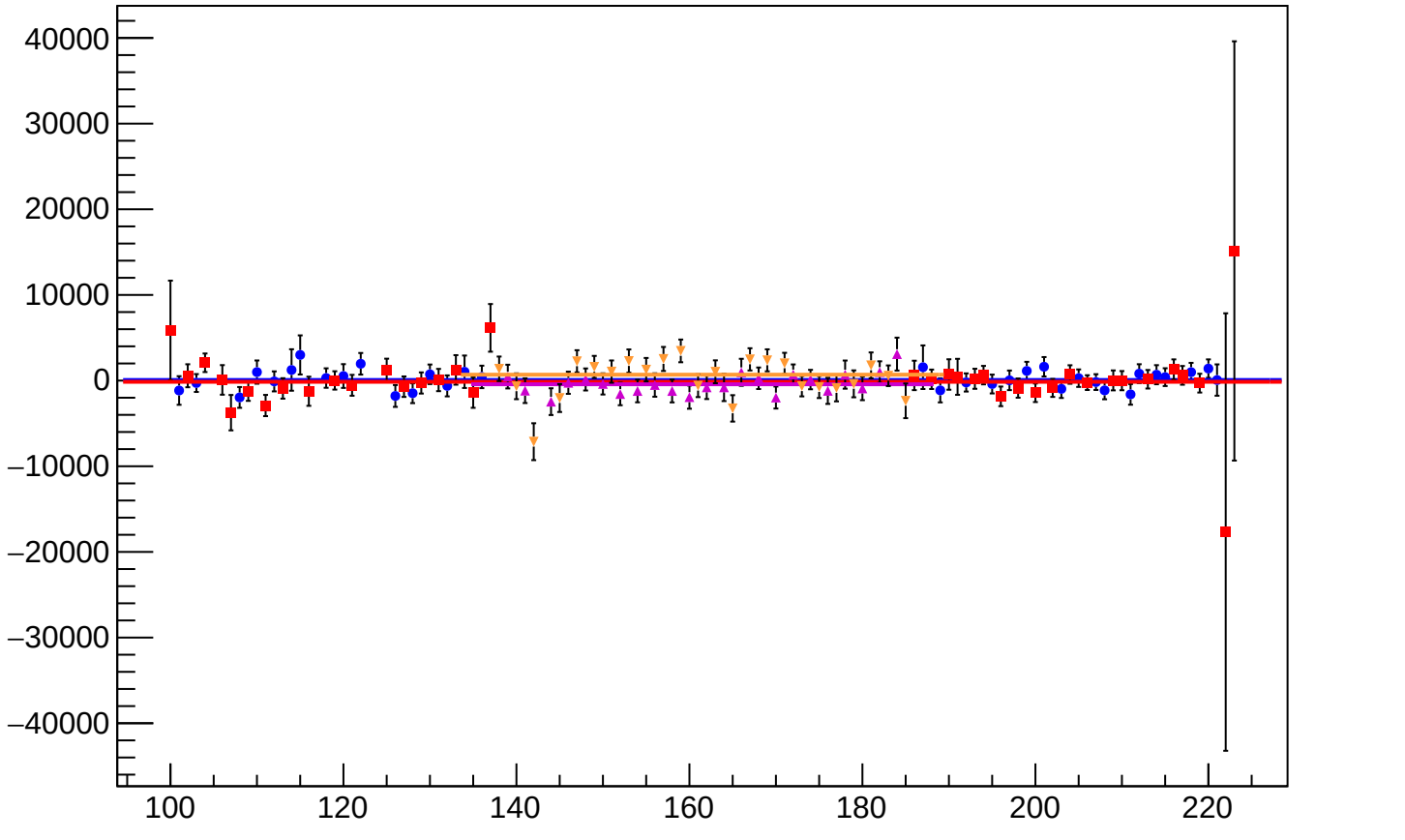
Right: 223.206+/-307.162 χ^2/NDF: 94.0/71

In: -221.763+/-434.462 χ^2/NDF:52.5/56

Out: 554.828+/-369.331 χ^2/NDF:82.8/61

All: 229.049+/-281.396 χ^2/NDF: 137.1/118


asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1690.835+/-0.342 χ²/NDF: 18846937.1/33
Left Out: 4185.656+/-0.704 χ²/NDF:1271248.5/23
Right Out: 1354.130+/-0.281 χ²/NDF: 22039316.4/37
Left In: 4140.051+/-0.700 χ²/NDF:1449924.0/22
Left: 4162.737+/-0.496 χ²/NDF: 2723283.3/46
Right: 1490.022+/-0.217 χ²/NDF: 41464723.2/71
In: 2162.450+/-0.307 χ²/NDF:30179043.3/56
Out: 1744.140+/-0.261 χ²/NDF:37272111.0/61
All: 1919.621+/-0.199 χ²/NDF: 68527432.4/1



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

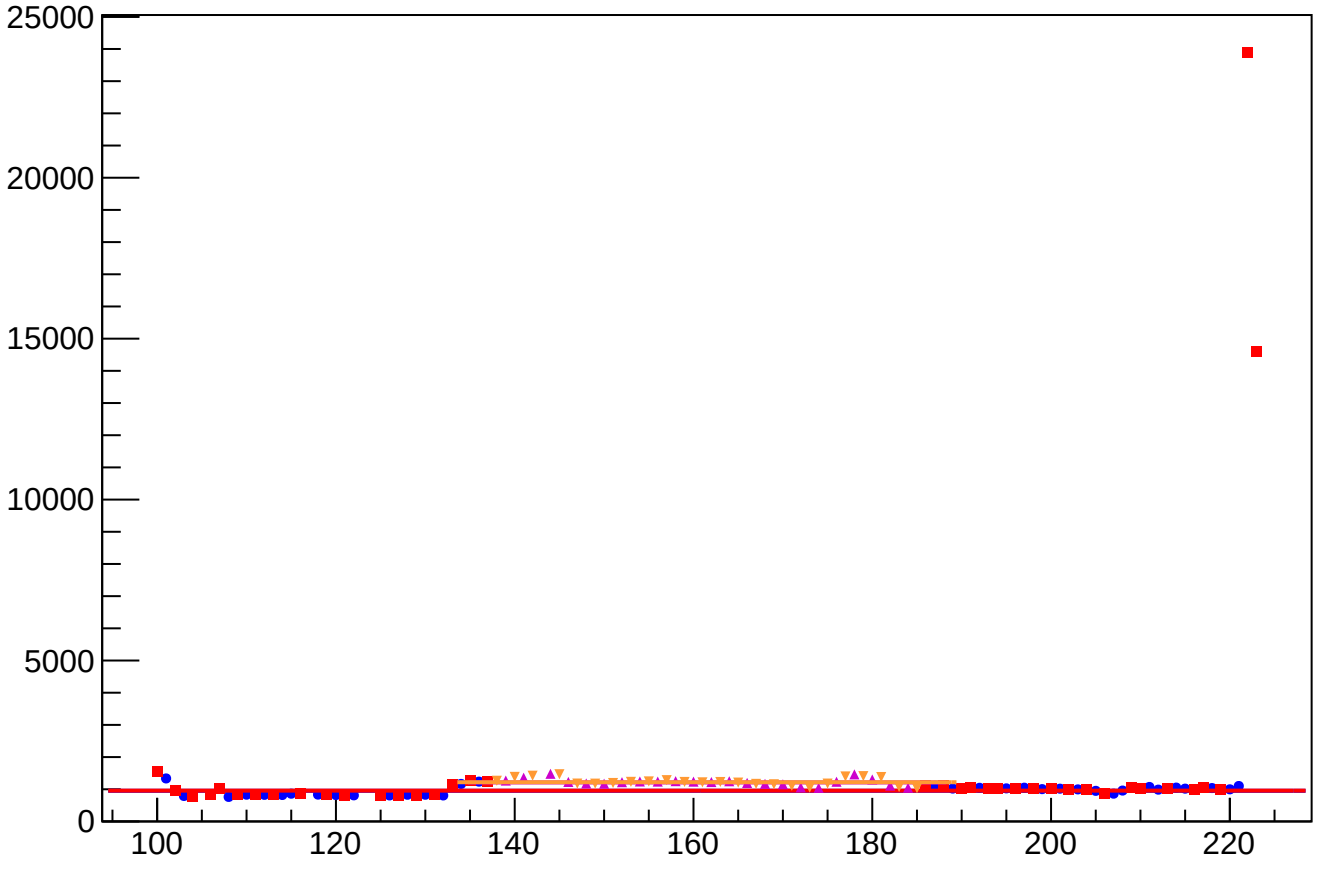
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -34.572+/-147.353 χ^2/NDF: 57.6/71

In: -103.726+/-167.697 χ^2/NDF:41.4/56

Out: 151.127+/-168.487 χ^2/NDF:83.5/61

All: 23.101+/-118.858 χ^2/NDF: 126.1/118



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

Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

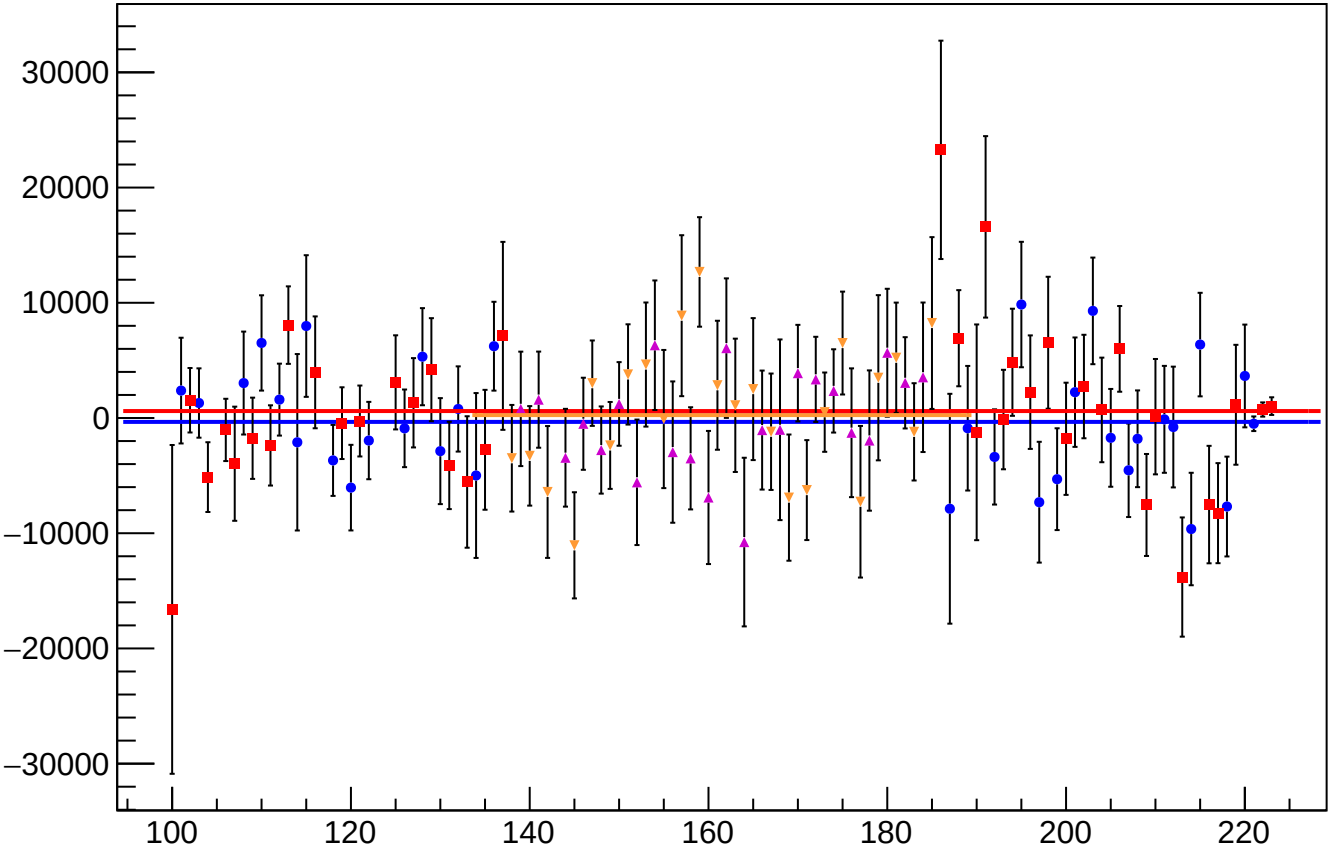
Right: 954.868+/-0.104 χ^2/NDF: 3553490.0/71

In: 1042.716+/-0.119 χ^2/NDF:2045387.8/56

Out: 1049.241+/-0.119 χ^2/NDF:4250756.3/61

All: 1045.964+/-0.084 χ^2/NDF: 6297651.4/11

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

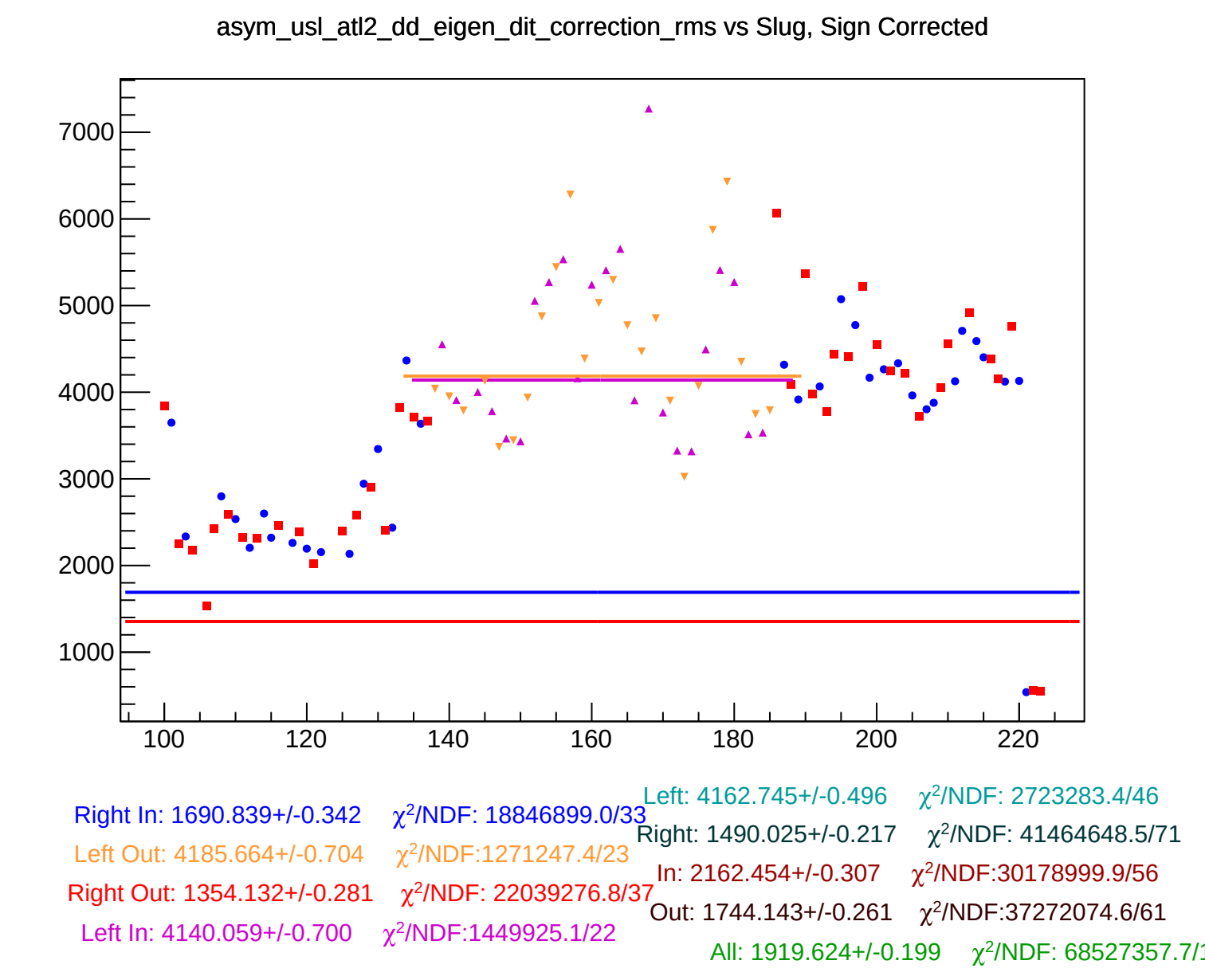
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 223.207+/-307.163 χ^2/NDF: 94.0/71

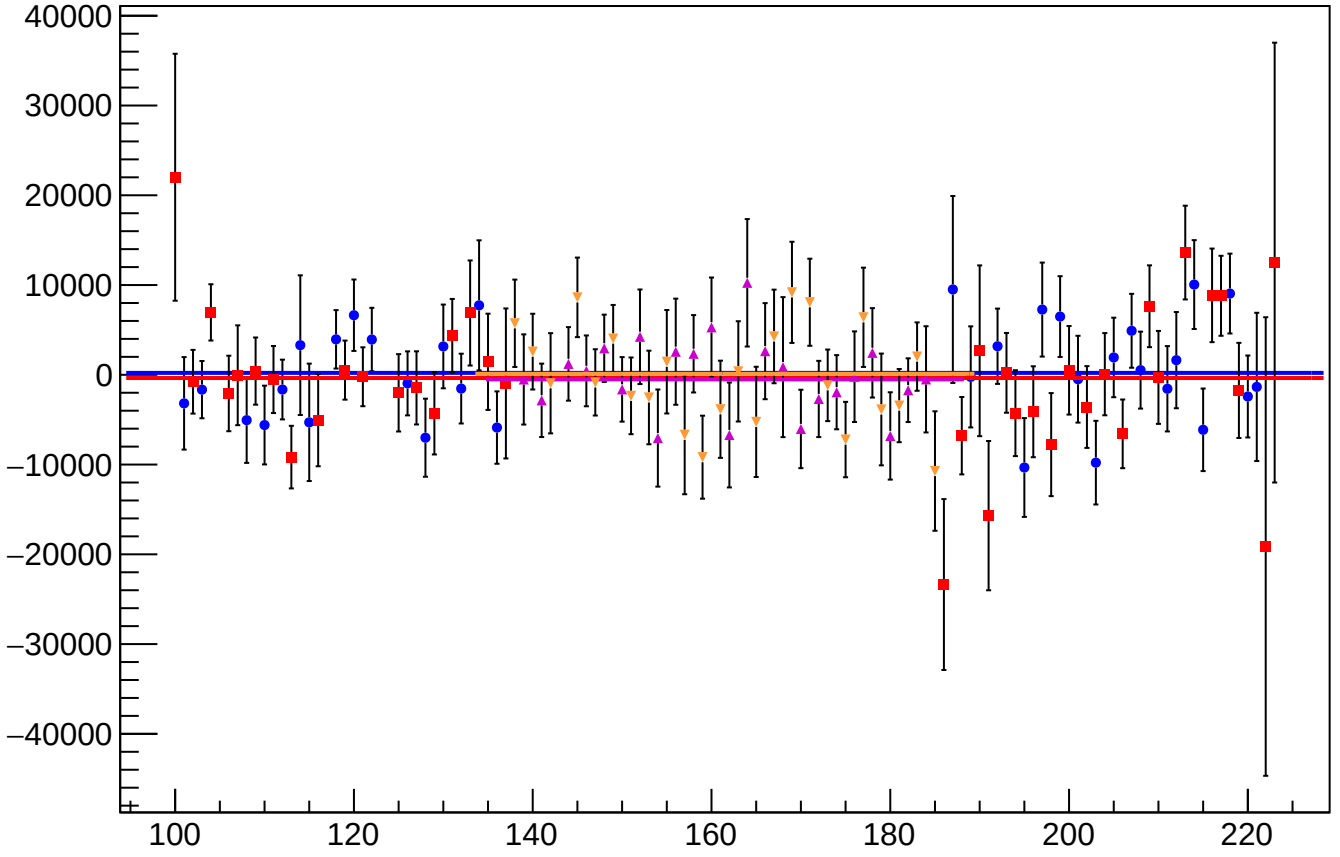
In: -221.760+/-434.462 χ^2/NDF:52.5/56

Out: 554.827+/-369.332 χ^2/NDF:82.8/61

All: 229.049+/-281.396 χ^2/NDF: 137.1/118


asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1690.839+/-0.342 χ²/NDF: 18846899.0/33
Left Out: 4185.664+/-0.704 χ²/NDF:1271247.4/23
Right Out: 1354.132+/-0.281 χ²/NDF: 22039276.8/37
Left In: 4140.059+/-0.700 χ²/NDF:1449925.1/22
Left: 4162.745+/-0.496 χ²/NDF: 2723283.4/46
Right: 1490.025+/-0.217 χ²/NDF: 41464648.5/71
In: 2162.454+/-0.307 χ²/NDF:30178999.9/56
Out: 1744.143+/-0.261 χ²/NDF:37272074.6/61
All: 1919.624+/-0.199 χ²/NDF: 68527357.7/

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



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

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

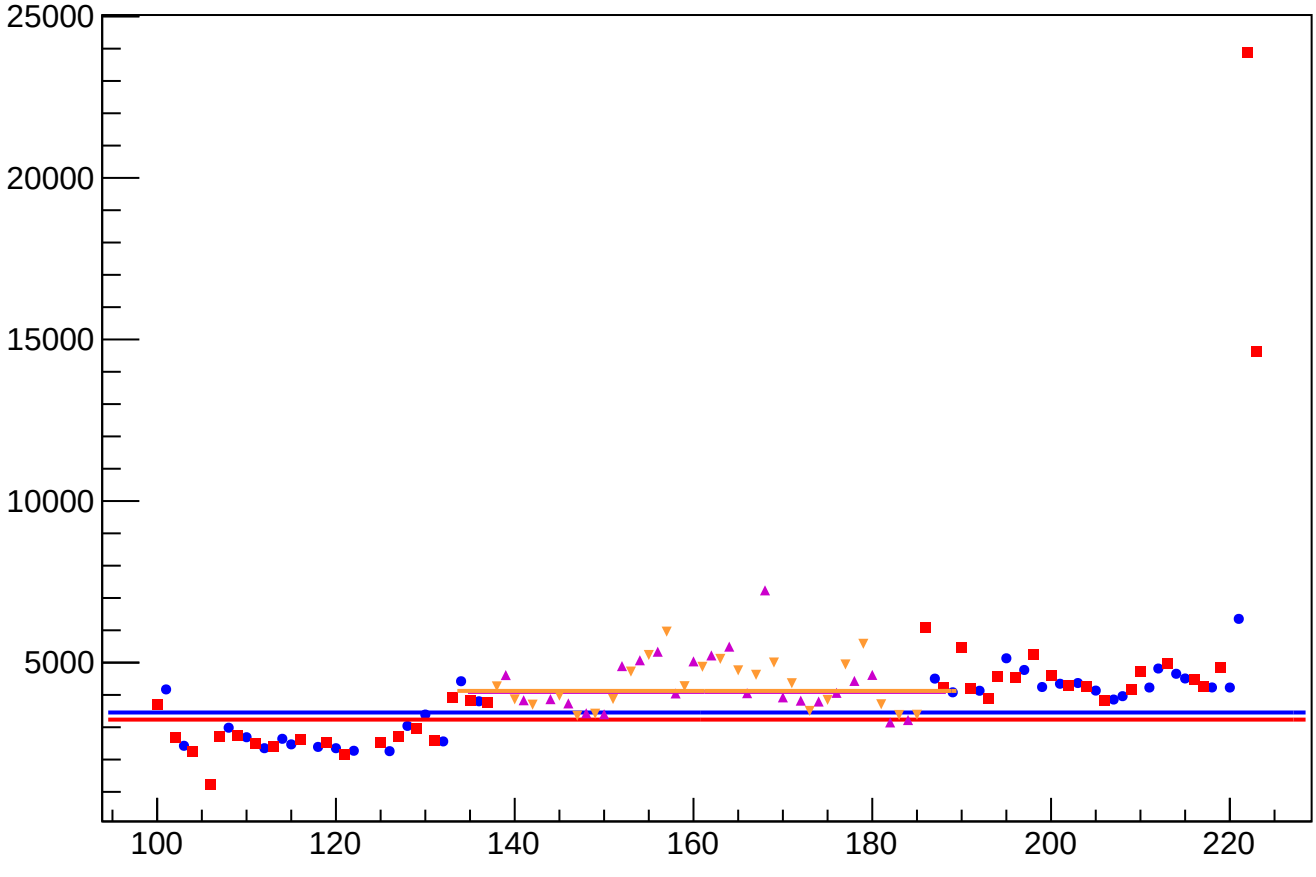
Right: -76.527+/-541.923 χ^2/NDF: 97.9/71

In: -65.220+/-605.478 χ^2/NDF:55.8/56

Out: -181.387+/-599.578 χ^2/NDF:83.9/61

All: -123.872+/-426.036 χ^2/NDF: 139.7/118

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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

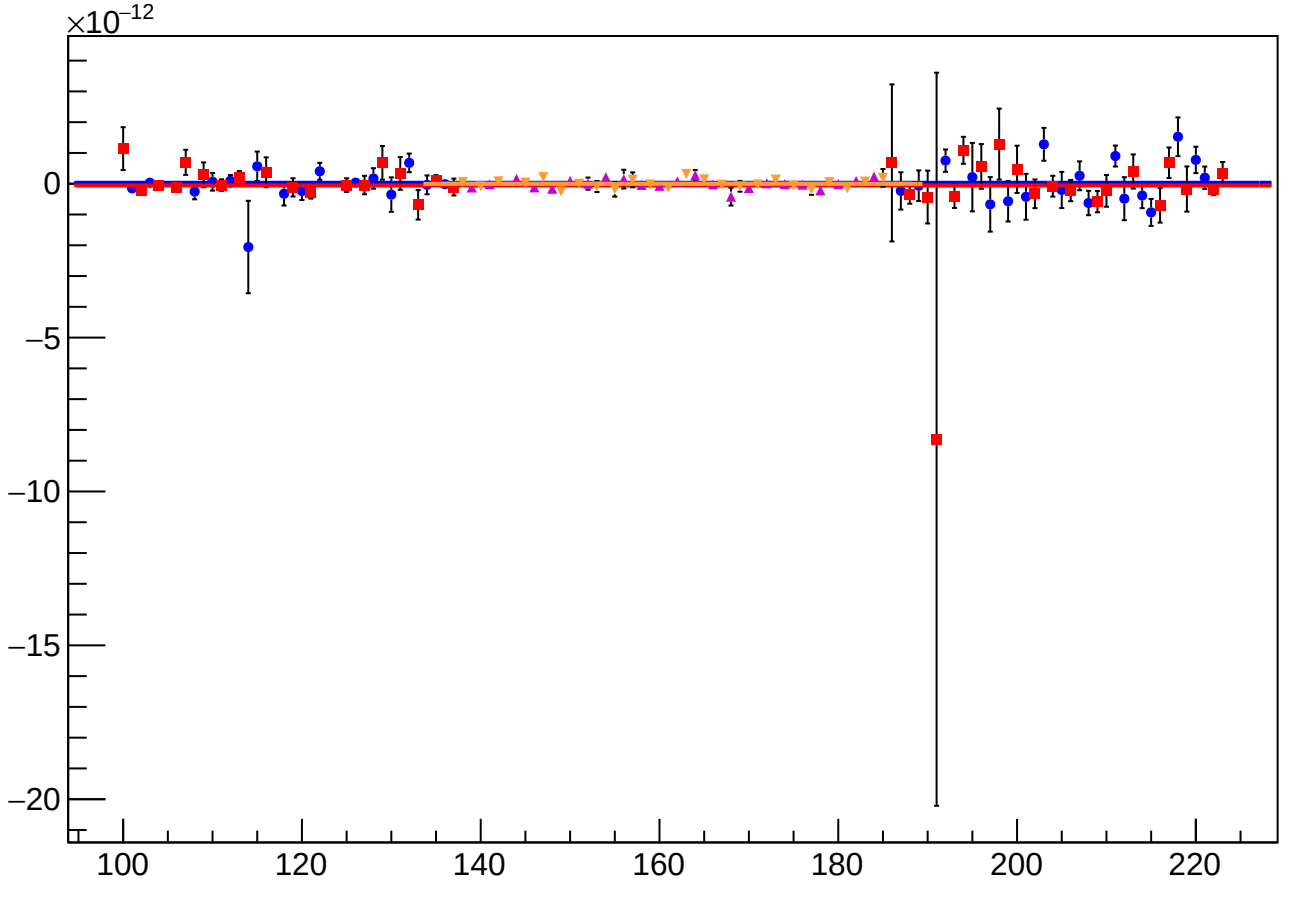
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3341.242+/-0.378 χ^2/NDF: 9505531.7/71

In: 3702.284+/-0.428 χ^2/NDF:4770851.3/56

Out: 3559.933+/-0.417 χ^2/NDF:8360948.9/61

All: 3629.150+/-0.299 χ^2/NDF: 13188595.6/1



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

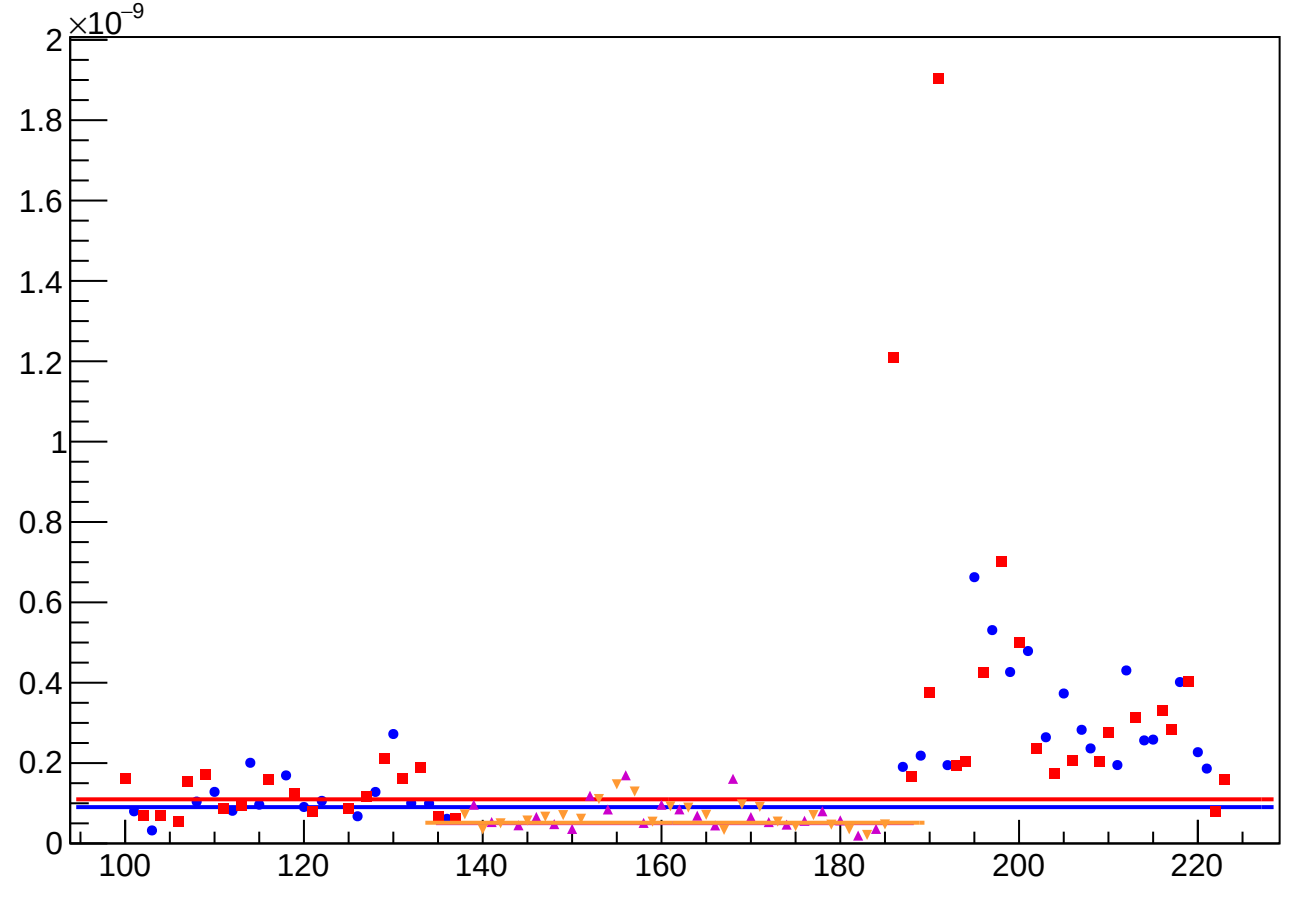
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 92.1/71

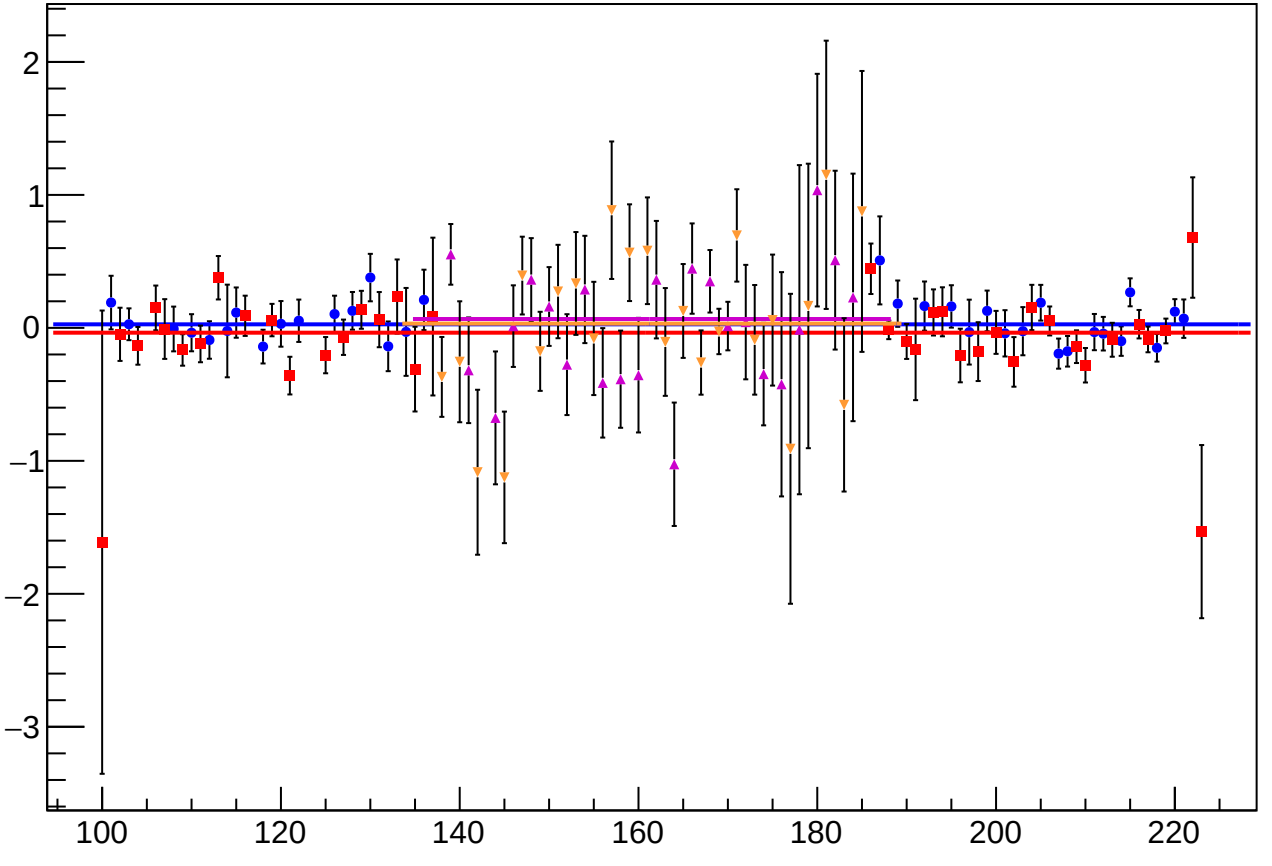
In: 0.000+/-0.000 χ^2/NDF:77.7/56

Out: -0.000+/-0.000 χ^2/NDF:63.3/61

All: 0.000+/-0.000 χ^2/NDF: 142.7/118


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7723496.1/33
Left Out: 0.000+/-0.000 χ²/NDF:2269565.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5462287.0/37
Left In: 0.000+/-0.000 χ²/NDF:2433650.3/22
Left: 0.000+/-0.000 χ²/NDF: 4705429.8/46
Right: 0.000+/-0.000 χ²/NDF: 13383537.4/71
In: 0.000+/-0.000 χ²/NDF:11617571.5/56
Out: 0.000+/-0.000 χ²/NDF:10322479.8/61
All: 0.000+/-0.000 χ²/NDF: 21966572.6/118

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

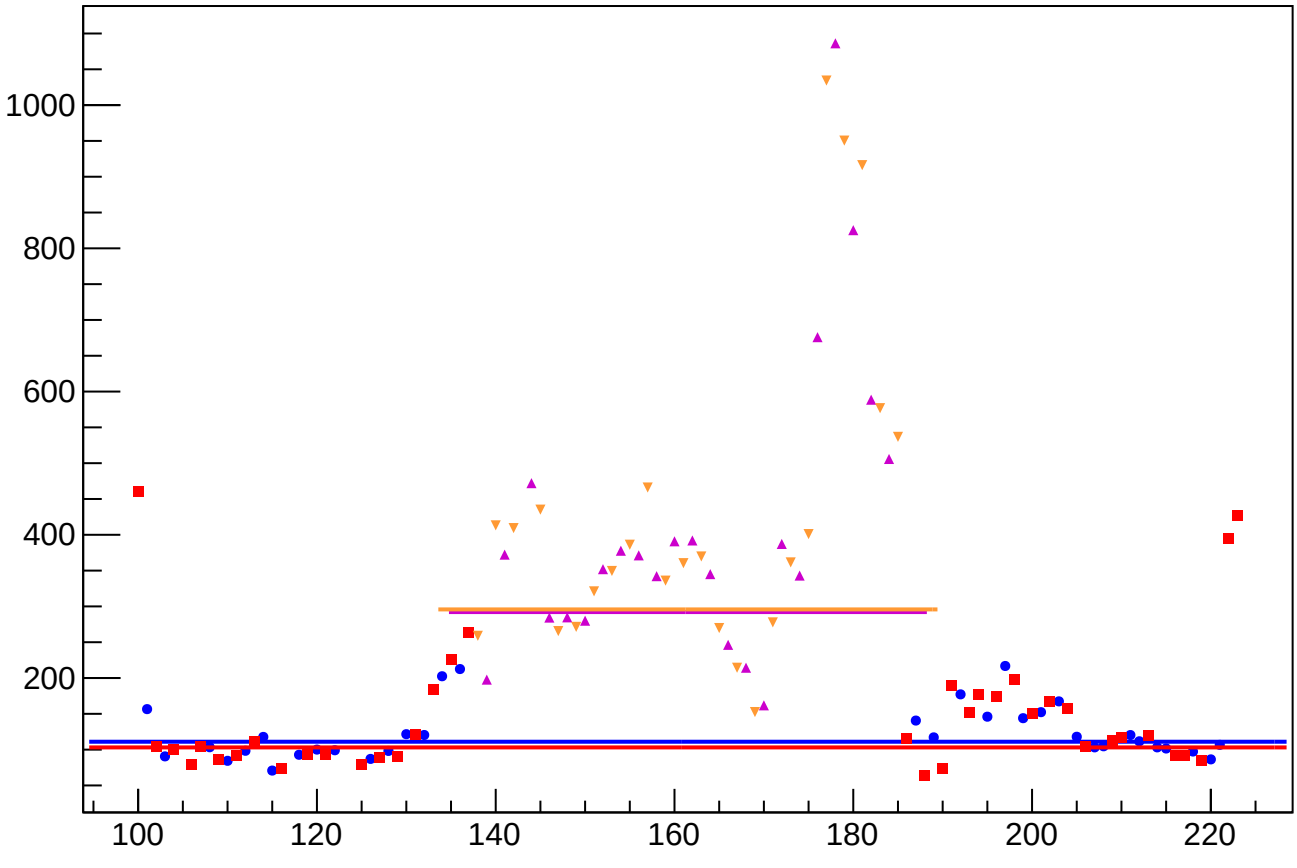
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.006+/-0.017 χ^2/NDF: 85.1/71

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.030+/-0.023 χ^2/NDF:78.2/61

All: -0.001+/-0.016 χ^2/NDF: 141.6/118



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

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

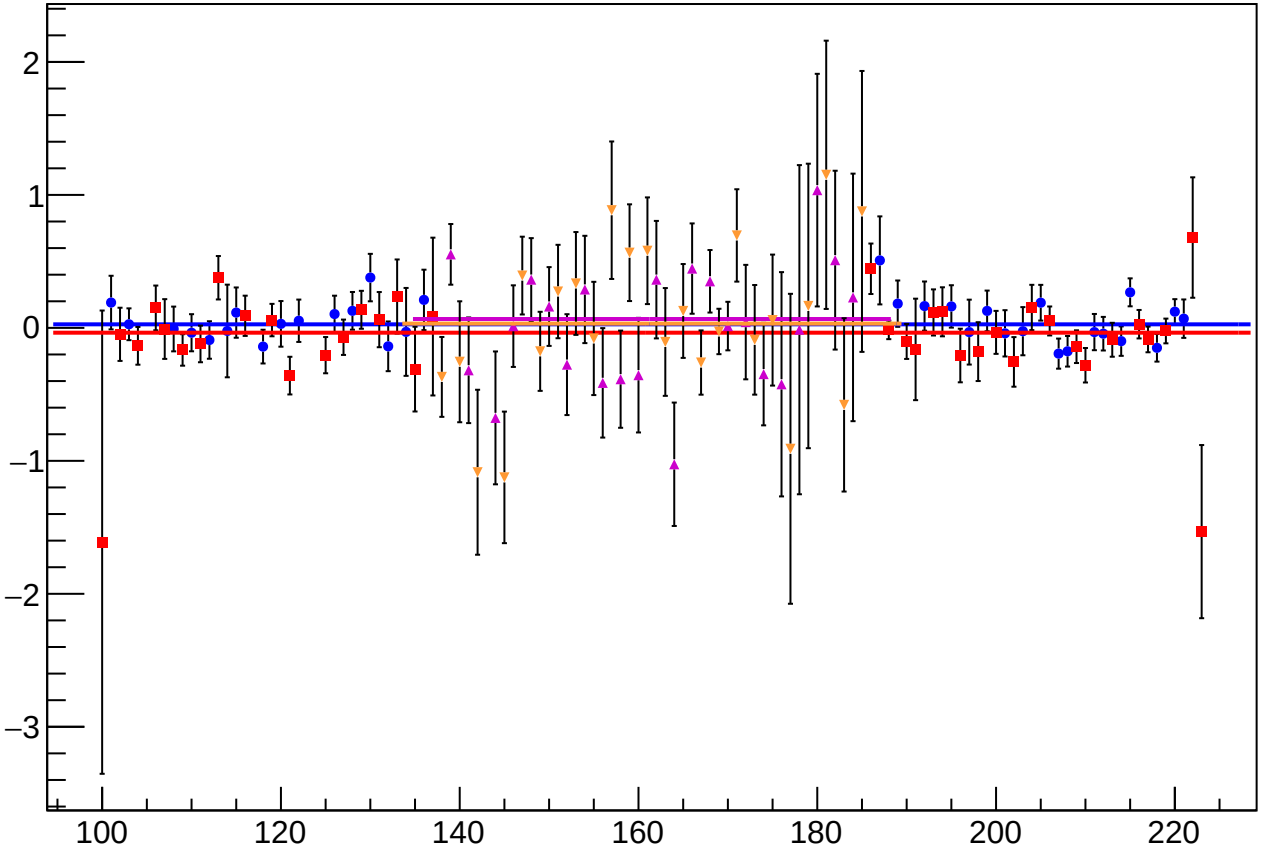
Right: 106.854+/-0.012 χ^2/NDF: 7622006.2/71

In: 129.486+/-0.017 χ^2/NDF:18025150.6/56

Out: 120.370+/-0.016 χ^2/NDF:22299741.7/61

All: 124.714+/-0.012 χ^2/NDF: 40477838.6/1

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

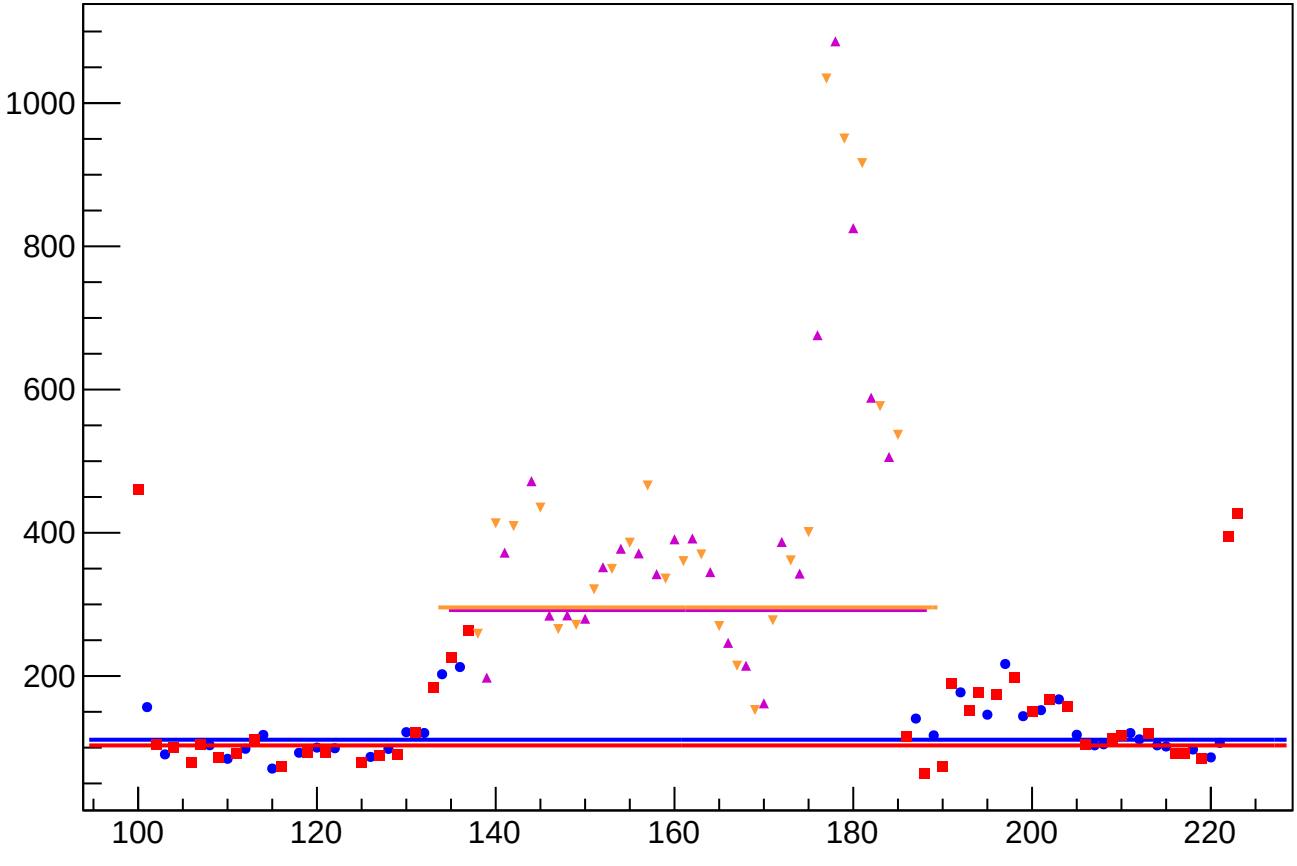
Right: -0.006+/-0.017 χ^2/NDF: 85.1/71

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.030+/-0.023 χ^2/NDF:78.2/61

All: -0.001+/-0.016 χ^2/NDF: 141.6/118

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

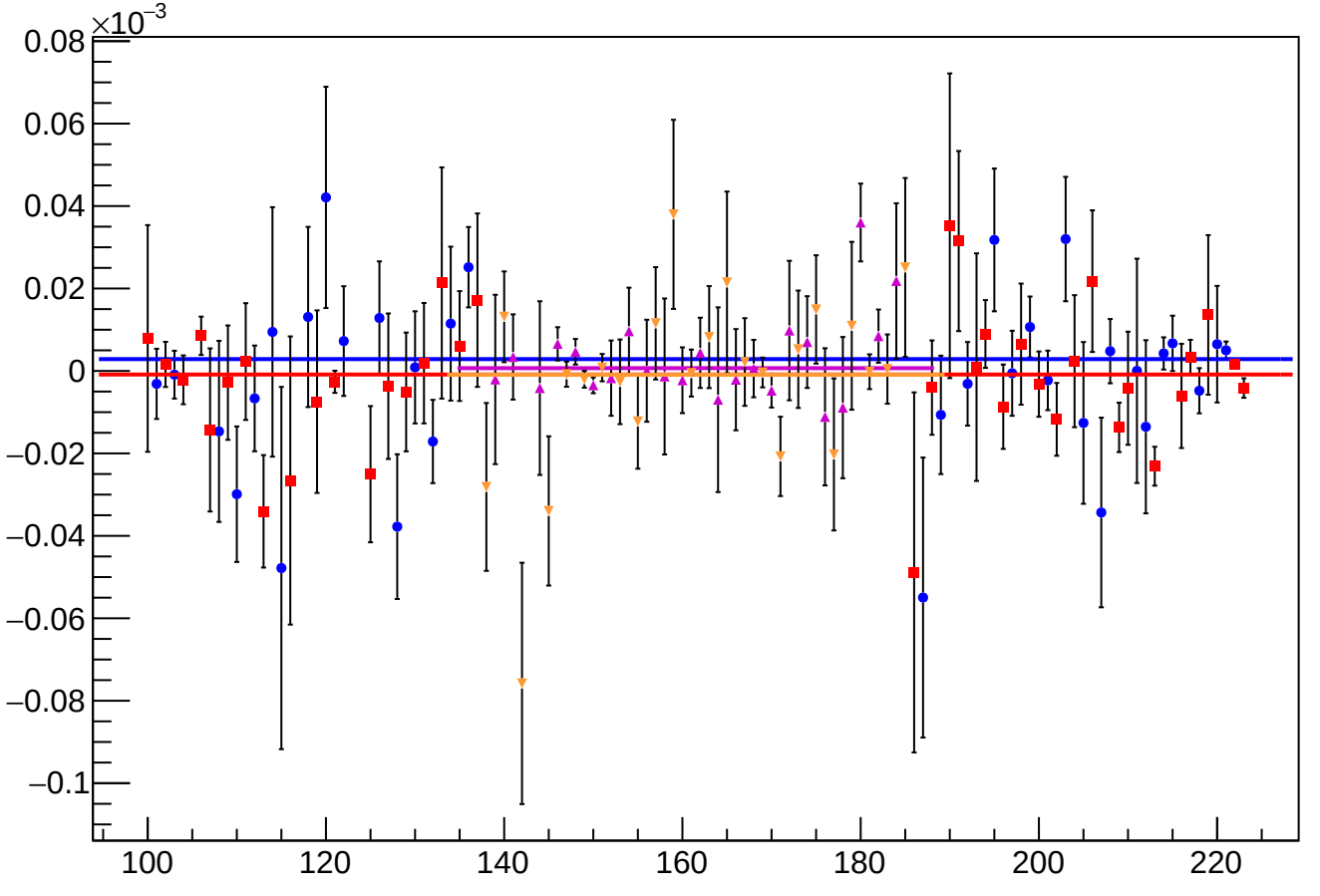
Right: 106.854+/-0.012 χ^2/NDF: 7622006.2/71

In: 129.486+/-0.017 χ^2/NDF:18025150.6/56

Out: 120.370+/-0.016 χ^2/NDF:22299741.7/61

All: 124.714+/-0.012 χ^2/NDF: 40477838.6/11

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

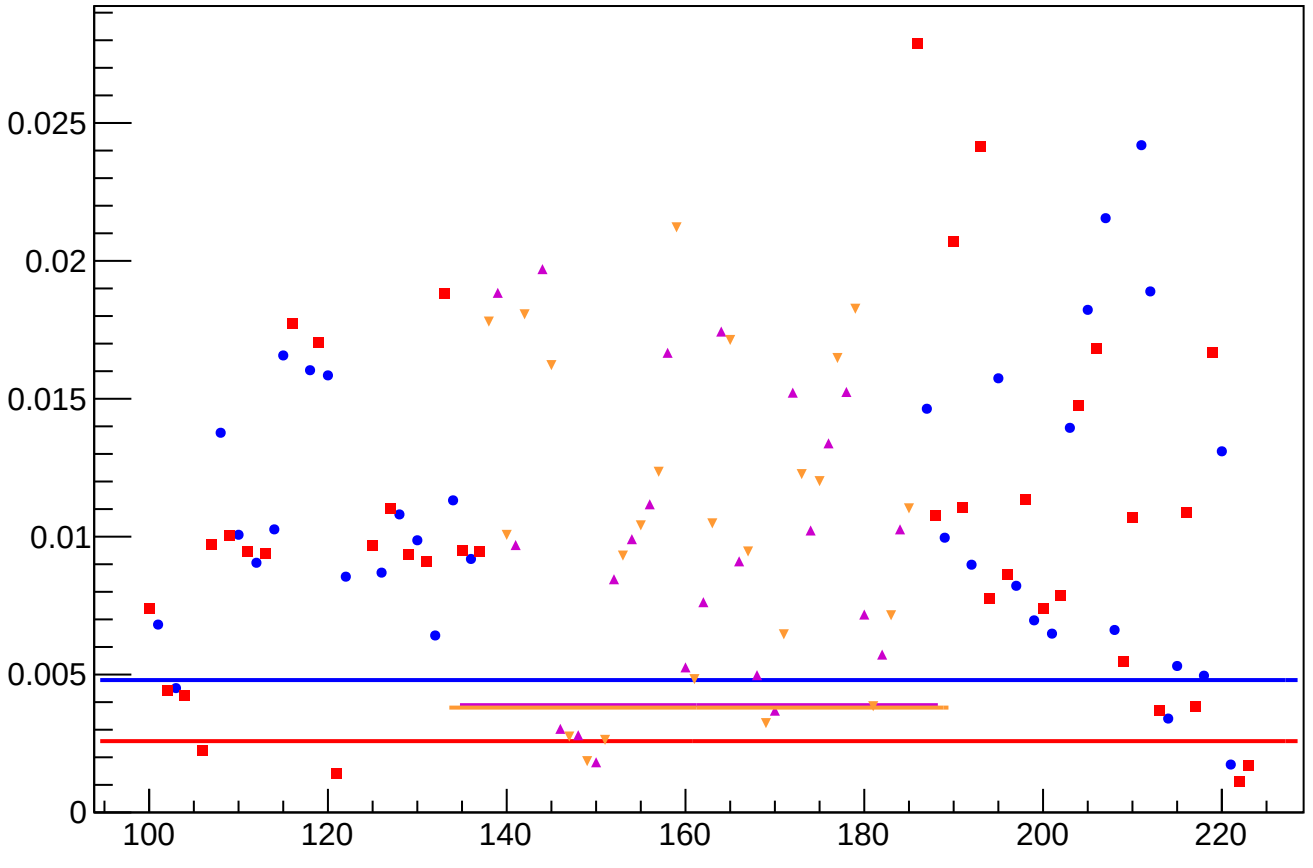
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: 0.000+/-0.000 χ^2/NDF: 110.9/71

In: 0.000+/-0.000 χ^2/NDF:76.2/56

Out: -0.000+/-0.000 χ^2/NDF:89.5/61

All: 0.000+/-0.000 χ^2/NDF: 170.7/118



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

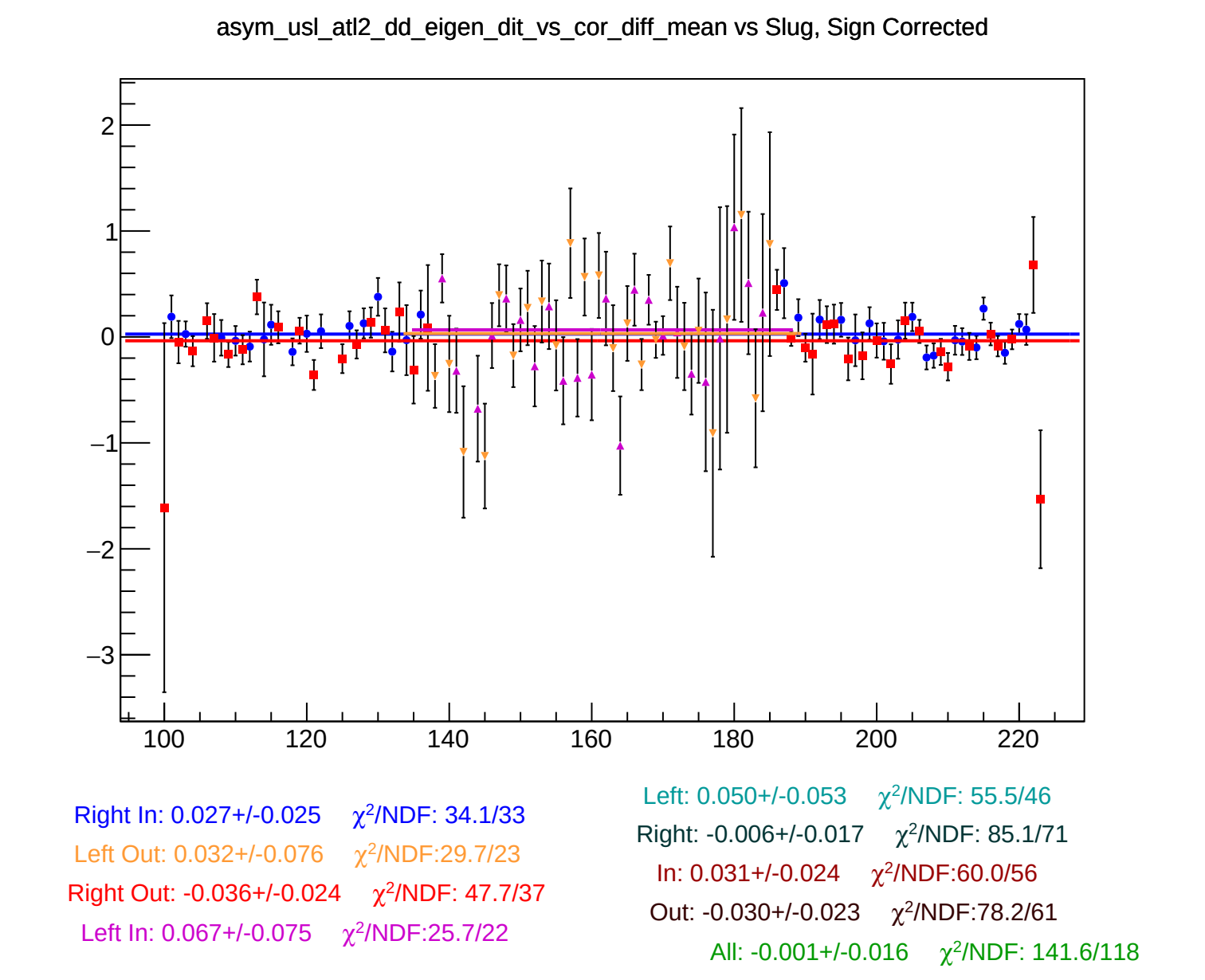
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.003+/-0.000 χ^2/NDF: 42762616.5/71

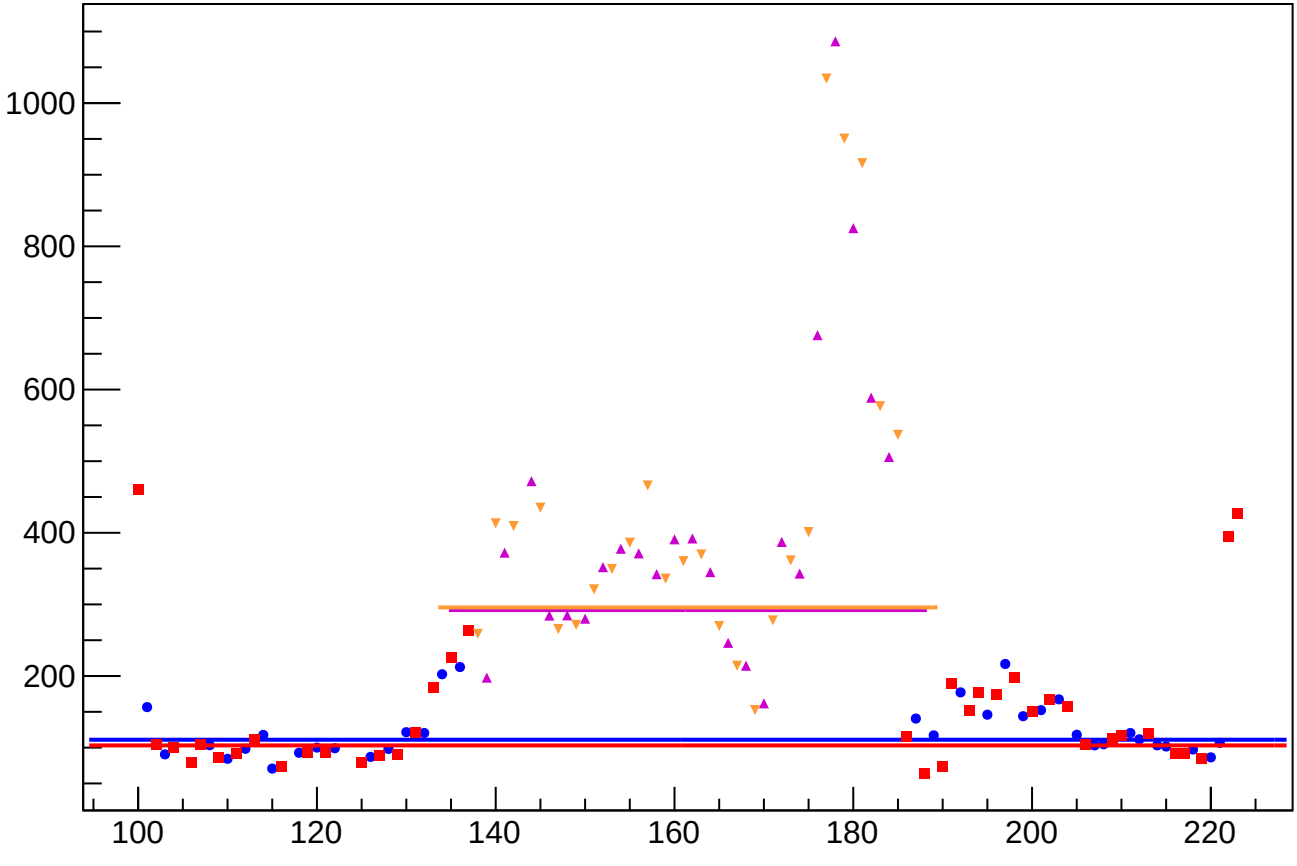
In: 0.004+/-0.000 χ^2/NDF:29444693.9/56

Out: 0.003+/-0.000 χ^2/NDF:39500180.6/61

All: 0.003+/-0.000 χ^2/NDF: 71553976.4/118


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
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
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: -0.006+/-0.017 χ²/NDF: 85.1/71
In: 0.031+/-0.024 χ²/NDF:60.0/56
Out: -0.030+/-0.023 χ²/NDF:78.2/61
All: -0.001+/-0.016 χ²/NDF: 141.6/118

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

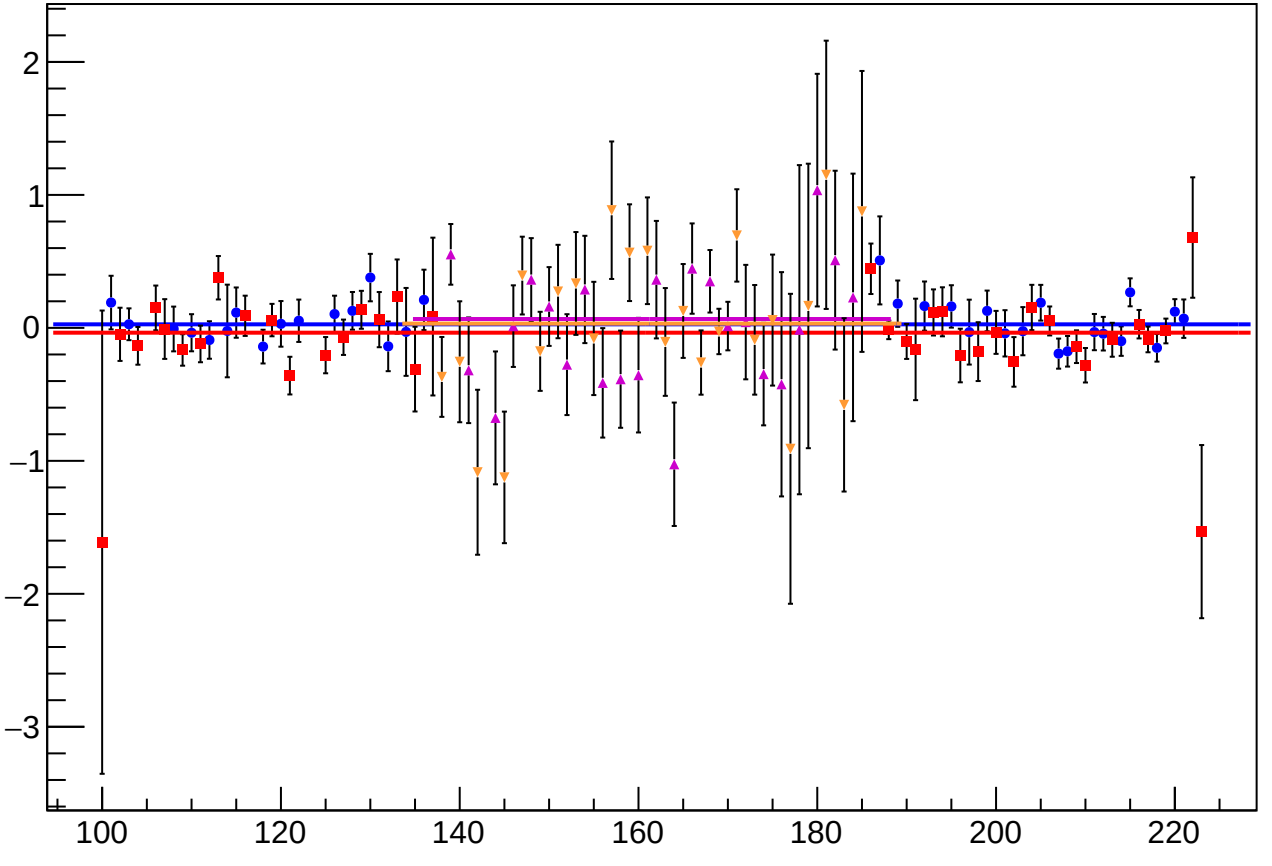
Right: 106.854+/-0.012 χ^2/NDF: 7622104.6/71

In: 129.487+/-0.017 χ^2/NDF:18025156.4/56

Out: 120.369+/-0.016 χ^2/NDF:22300075.9/61

All: 124.714+/-0.012 χ^2/NDF: 40478226.4/11

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

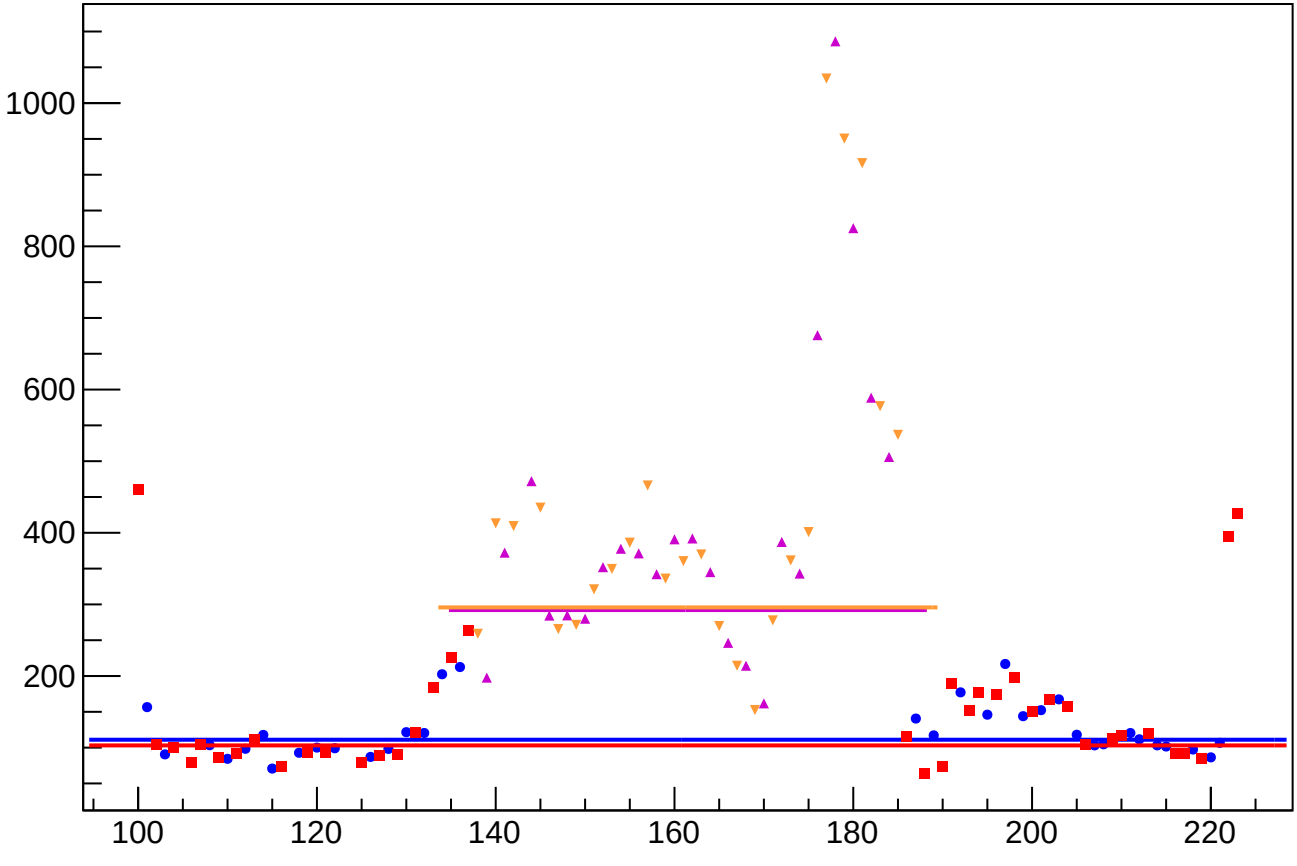
Right: -0.006+/-0.017 χ^2/NDF: 85.1/71

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.030+/-0.023 χ^2/NDF:78.2/61

All: -0.001+/-0.016 χ^2/NDF: 141.6/118

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

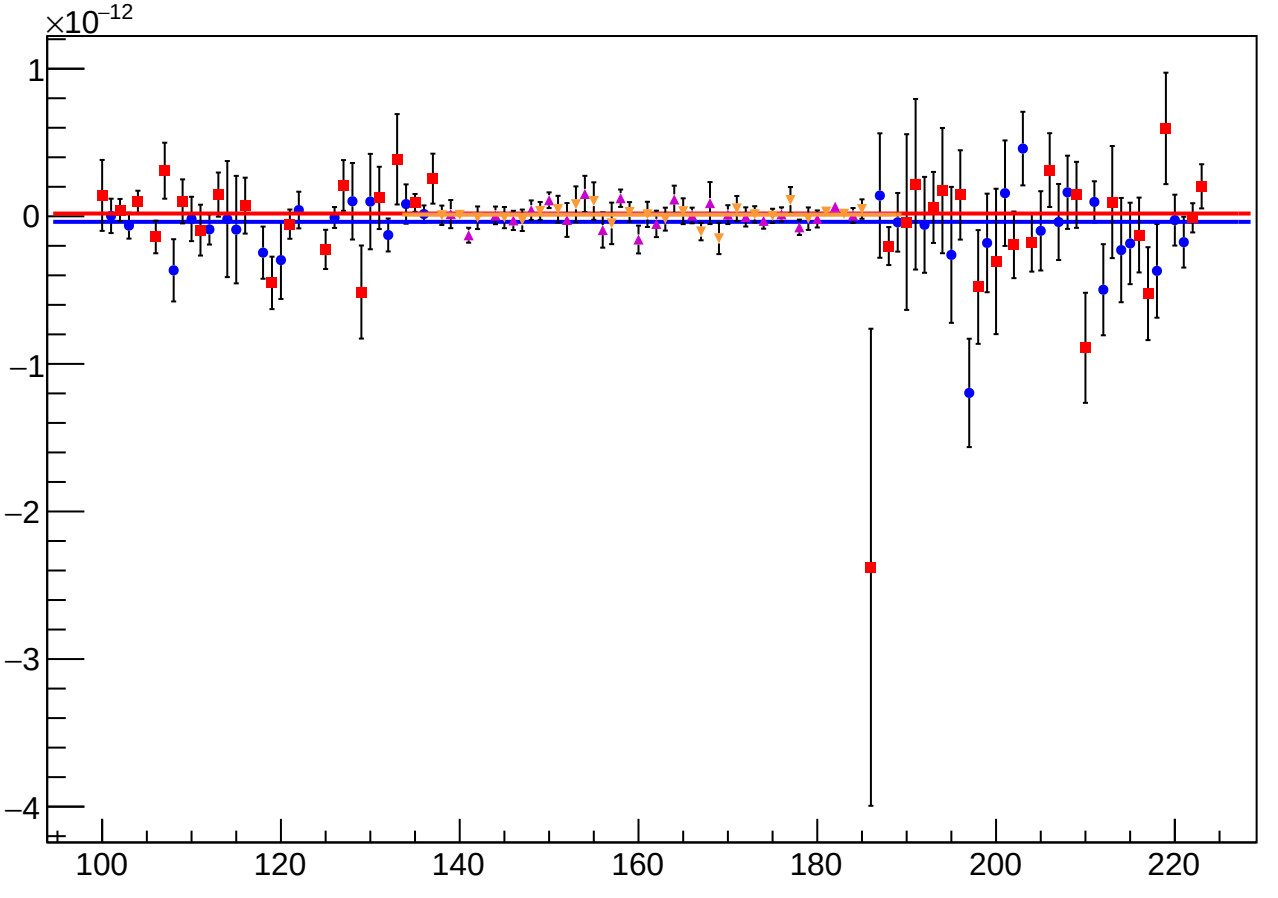
Right: 106.854+/-0.012 χ^2/NDF: 7622104.6/71

In: 129.487+/-0.017 χ^2/NDF:18025156.4/56

Out: 120.369+/-0.016 χ^2/NDF:22300075.9/61

All: 124.714+/-0.012 χ^2/NDF: 40478226.4/11

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

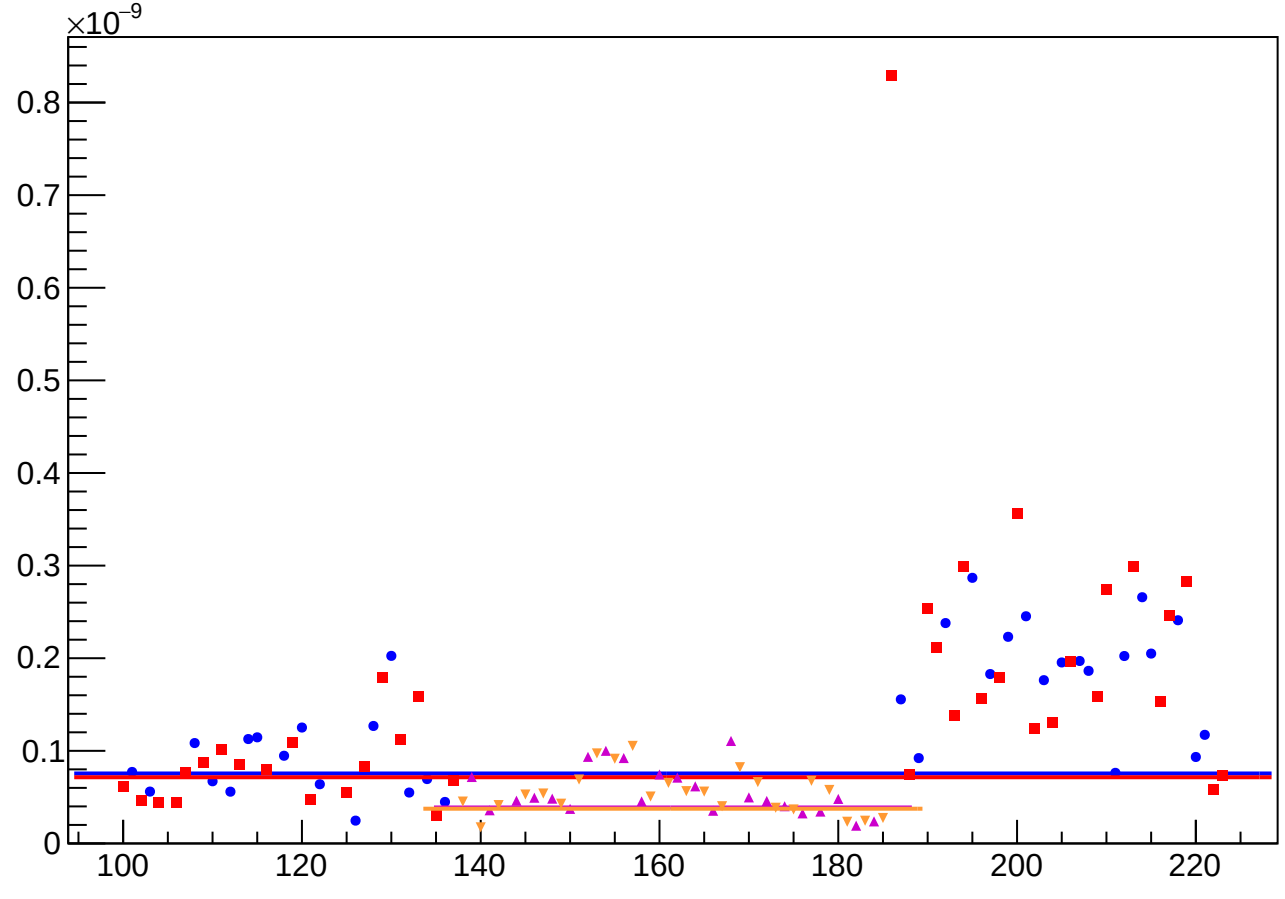
Right: -0.000+/-0.000 χ^2/NDF: 84.0/71

In: 0.000+/-0.000 χ^2/NDF:63.8/56

Out: 0.000+/-0.000 χ^2/NDF:62.7/61

All: 0.000+/-0.000 χ^2/NDF: 126.6/118

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8056740.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8727984.3/37

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

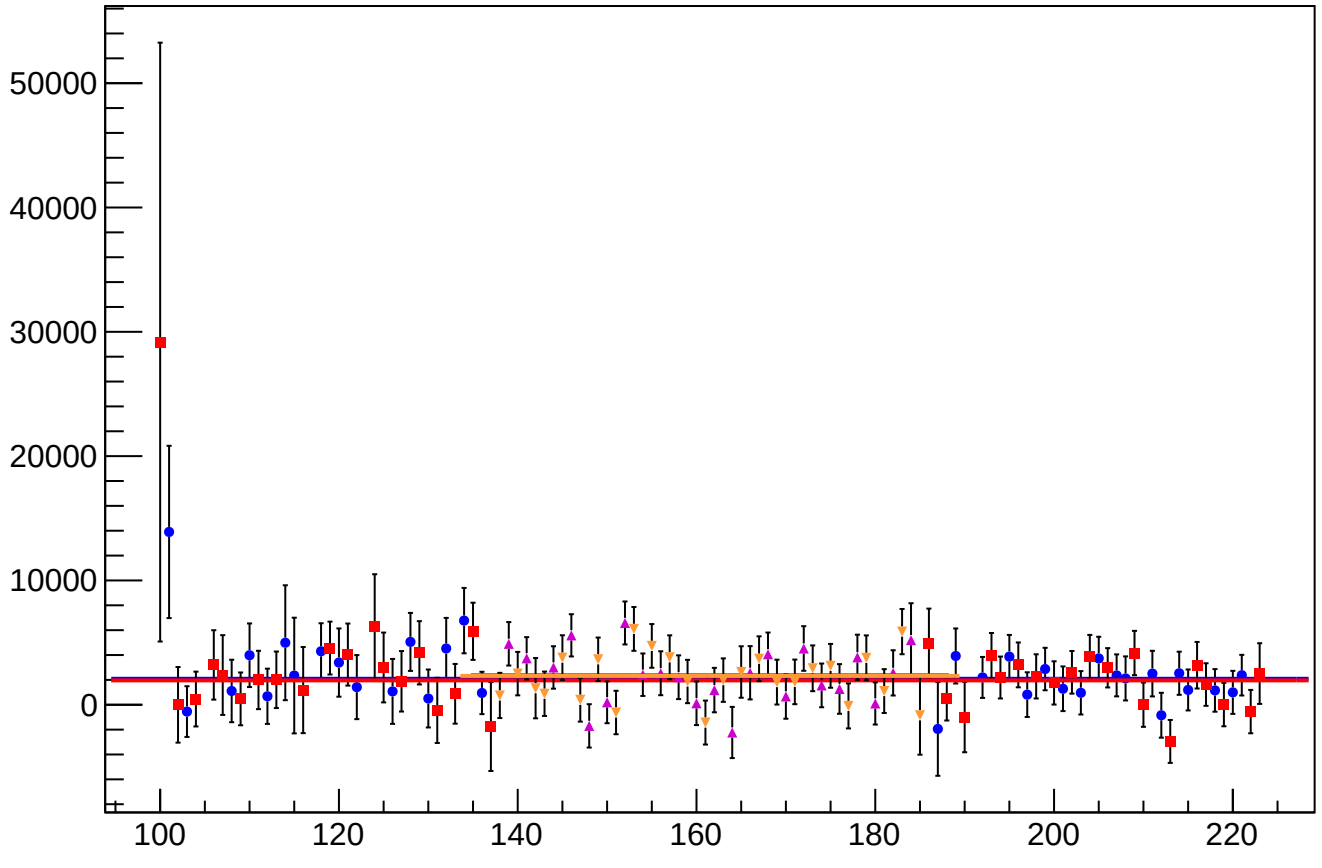
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 16809808.4/71

In: 0.000+/-0.000 χ^2/NDF:15830998.1/56

Out: 0.000+/-0.000 χ^2/NDF:16711508.9/61

All: 0.000+/-0.000 χ^2/NDF: 32559313.1/118



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

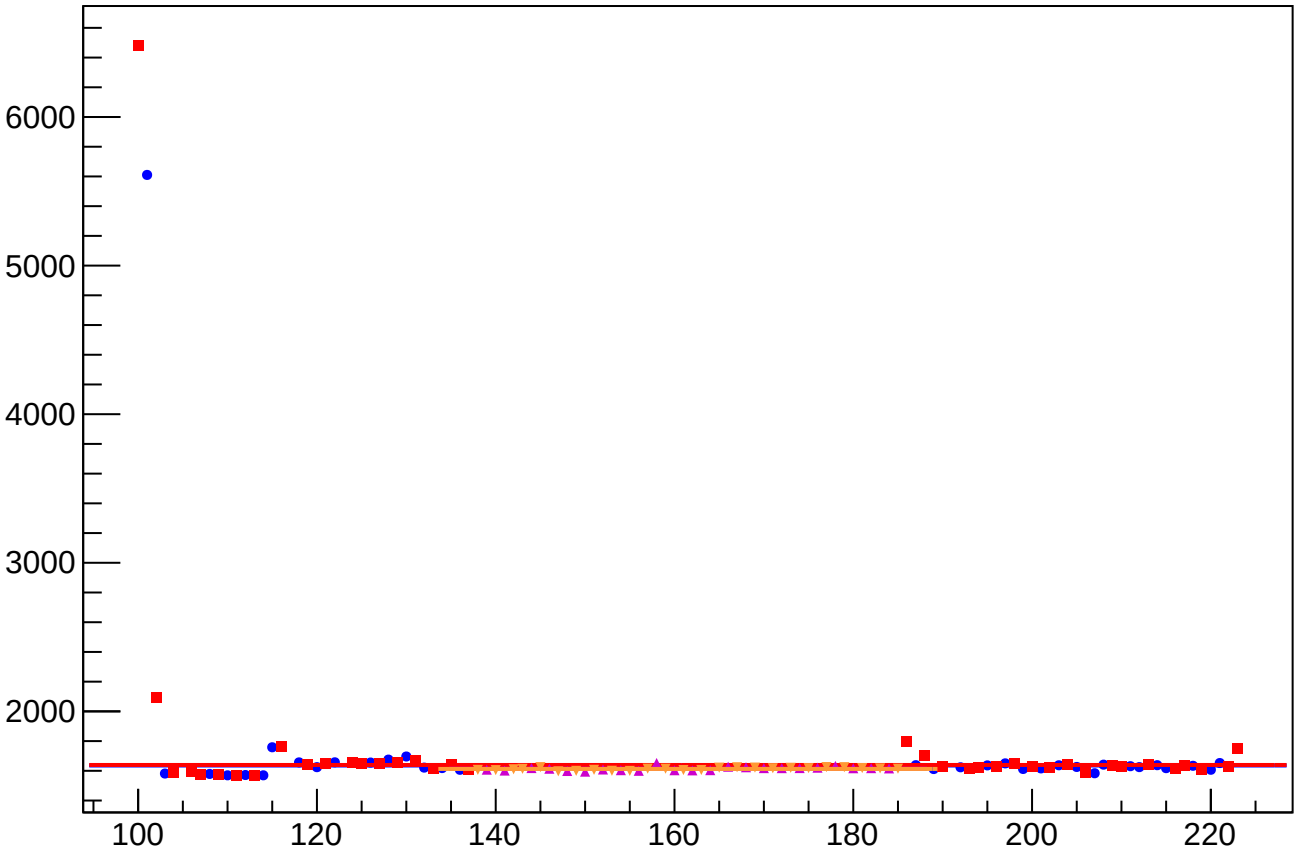
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2024.104+/-246.268 χ^2/NDF: 56.2/71

In: 2219.393+/-256.699 χ^2/NDF:57.1/56

Out: 2131.022+/-251.505 χ^2/NDF:61.1/62

All: 2174.305+/-179.649 χ^2/NDF: 118.3/119



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

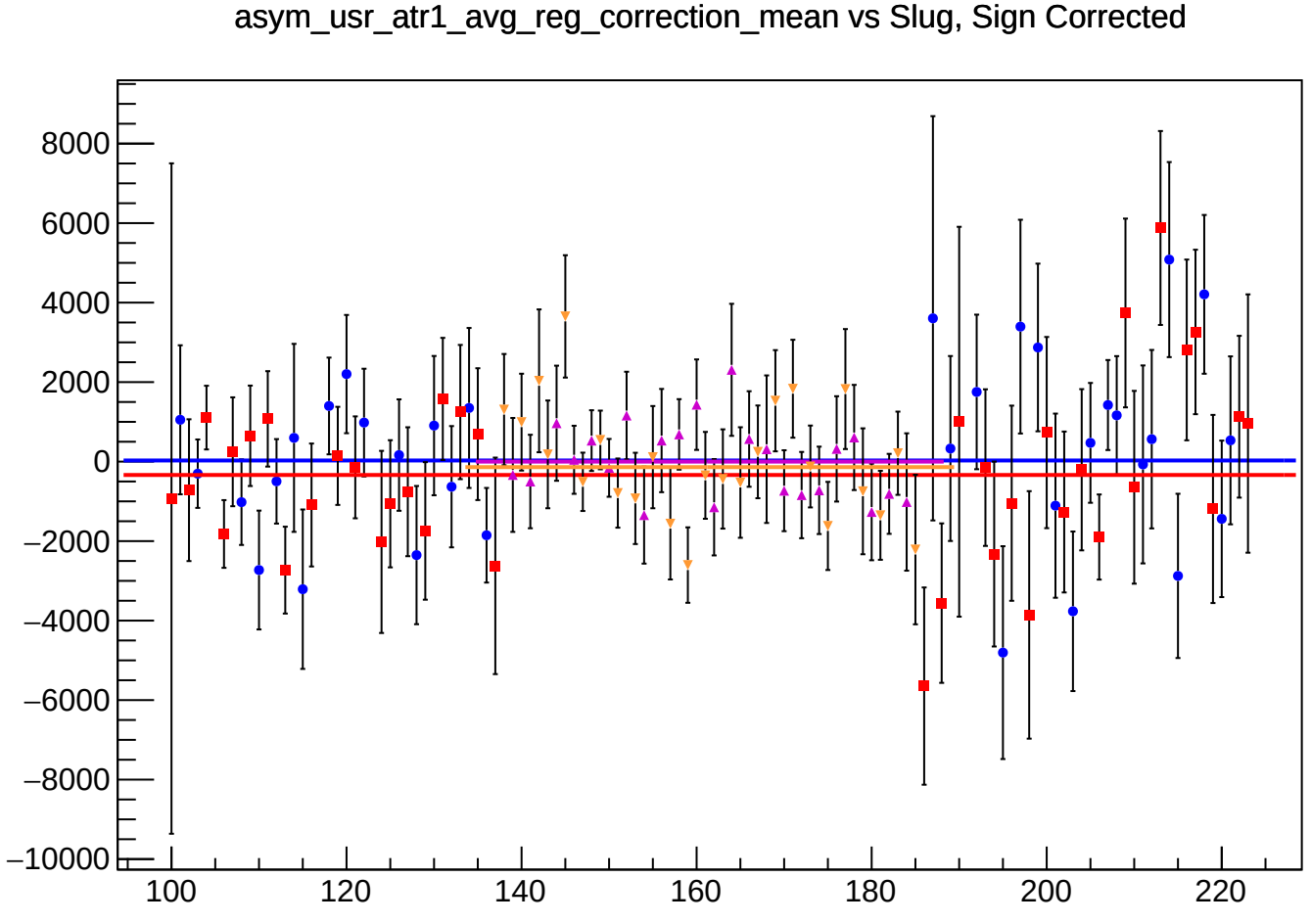
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.586+/-0.174 χ^2/NDF: 826540.9/71

In: 1625.589+/-0.182 χ^2/NDF:678585.8/56

Out: 1626.726+/-0.178 χ^2/NDF:160659.4/62

All: 1626.169+/-0.127 χ^2/NDF: 839265.2/119



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

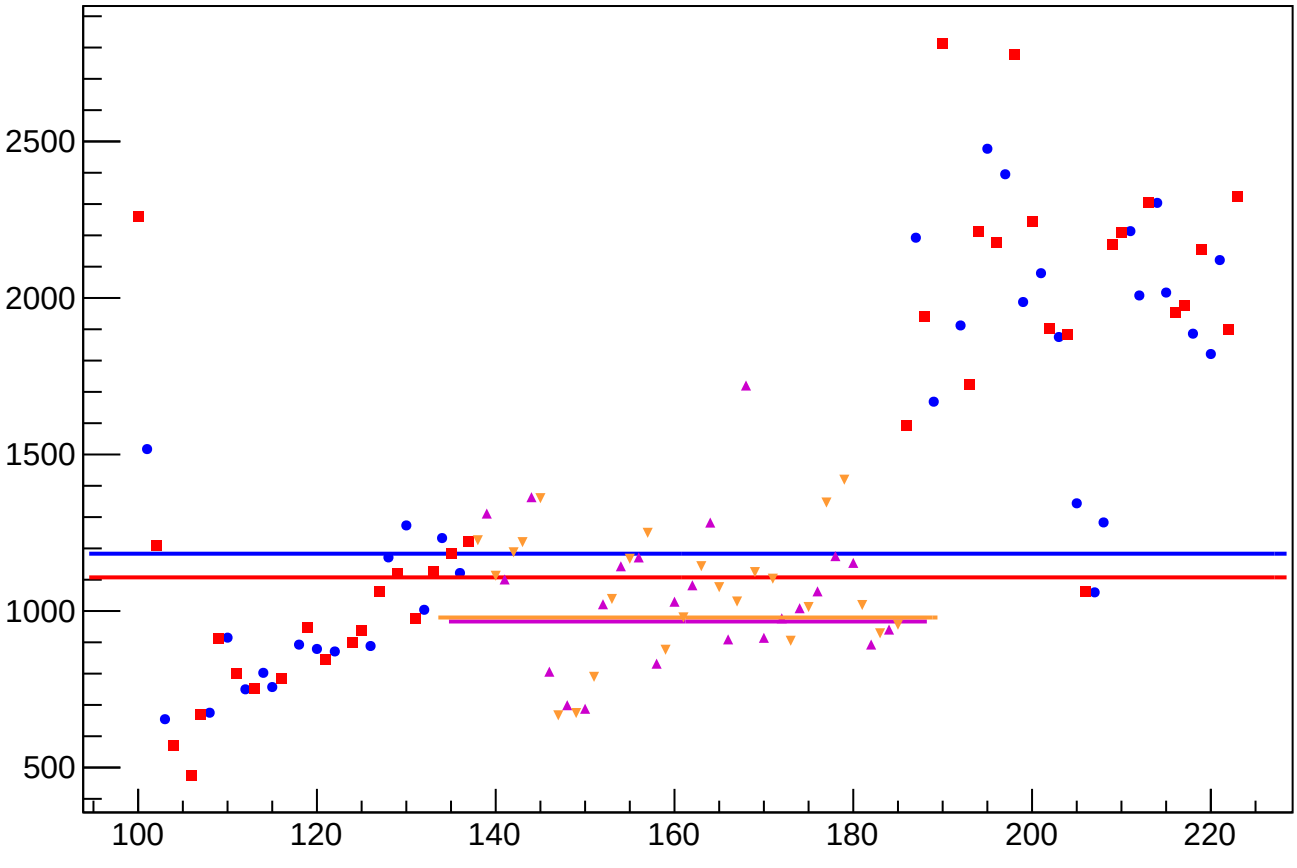
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -162.638+/-190.935 χ^2/NDF: 88.8/71

In: 11.666+/-177.718 χ^2/NDF:54.9/56

Out: -223.889+/-173.004 χ^2/NDF:76.3/62

All: -109.278+/-123.965 χ^2/NDF: 132.1/119



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

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

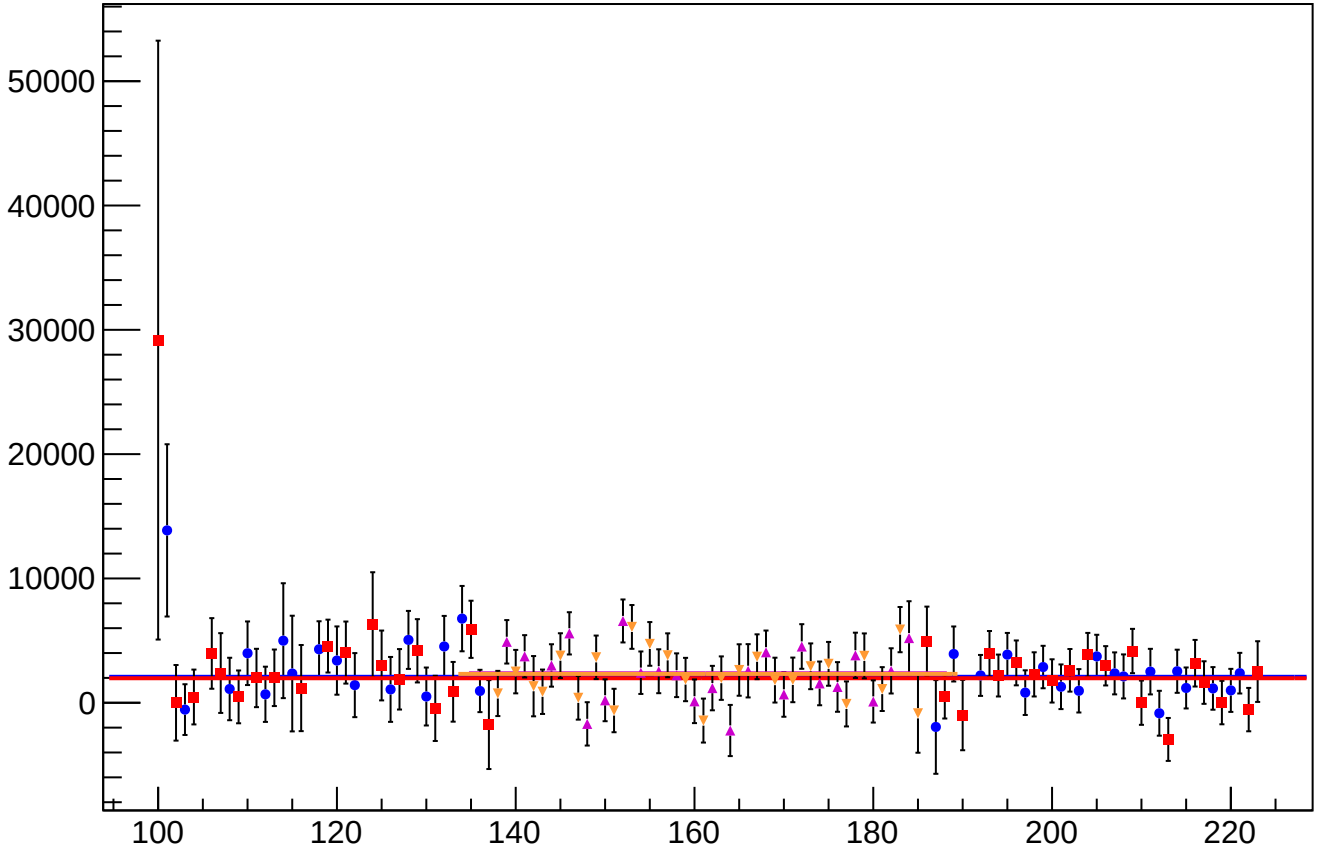
Right: 1143.504+/-0.135 χ^2/NDF: 15850231.4/71

In: 1055.914+/-0.126 χ^2/NDF:8968786.4/56

Out: 1034.395+/-0.122 χ^2/NDF:11025406.7/62

All: 1044.865+/-0.088 χ^2/NDF: 20009249.0/1

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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

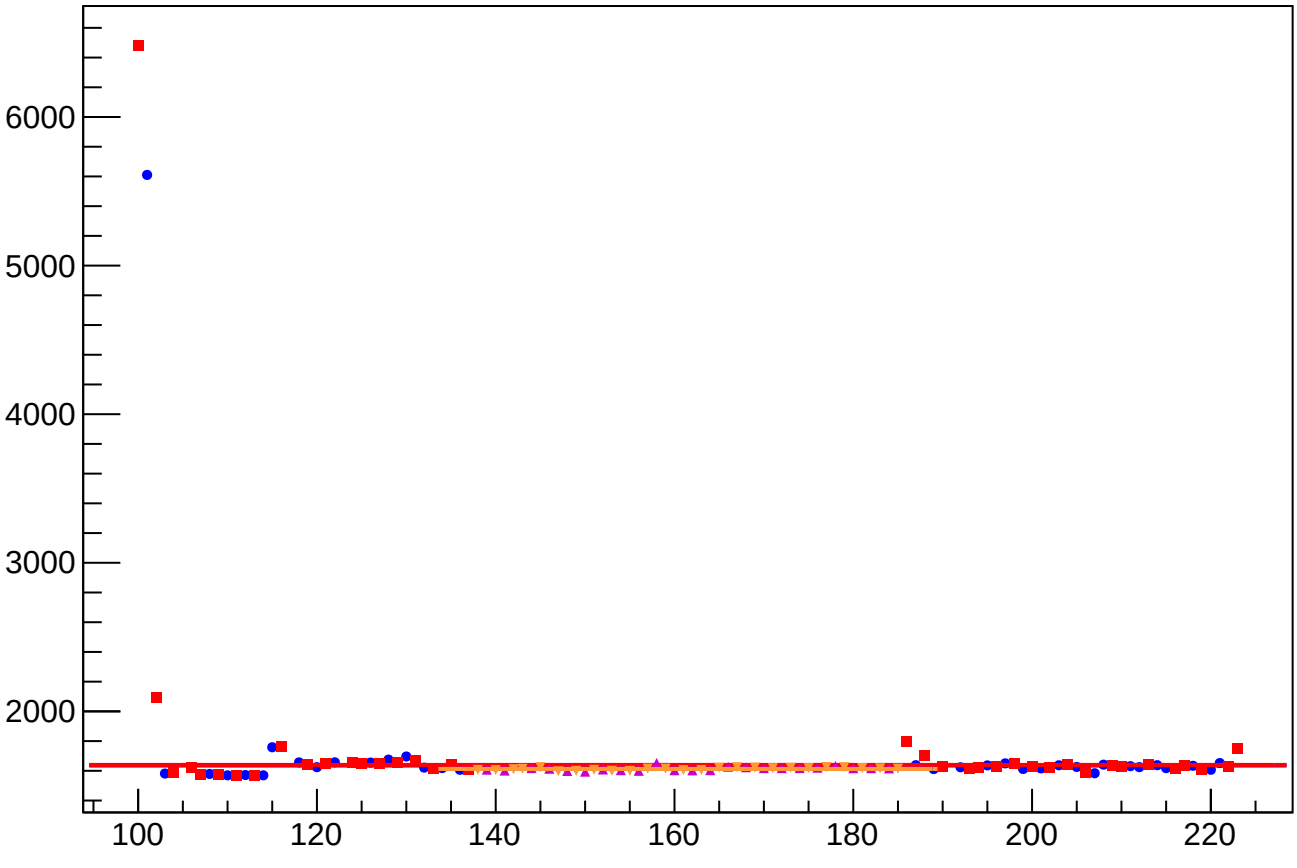
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2029.457+/-246.301 χ^2/NDF: 56.5/71

In: 2219.296+/-256.699 χ^2/NDF:57.1/56

Out: 2136.740+/-251.540 χ^2/NDF:61.4/62

All: 2177.180+/-179.662 χ^2/NDF: 118.5/119



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

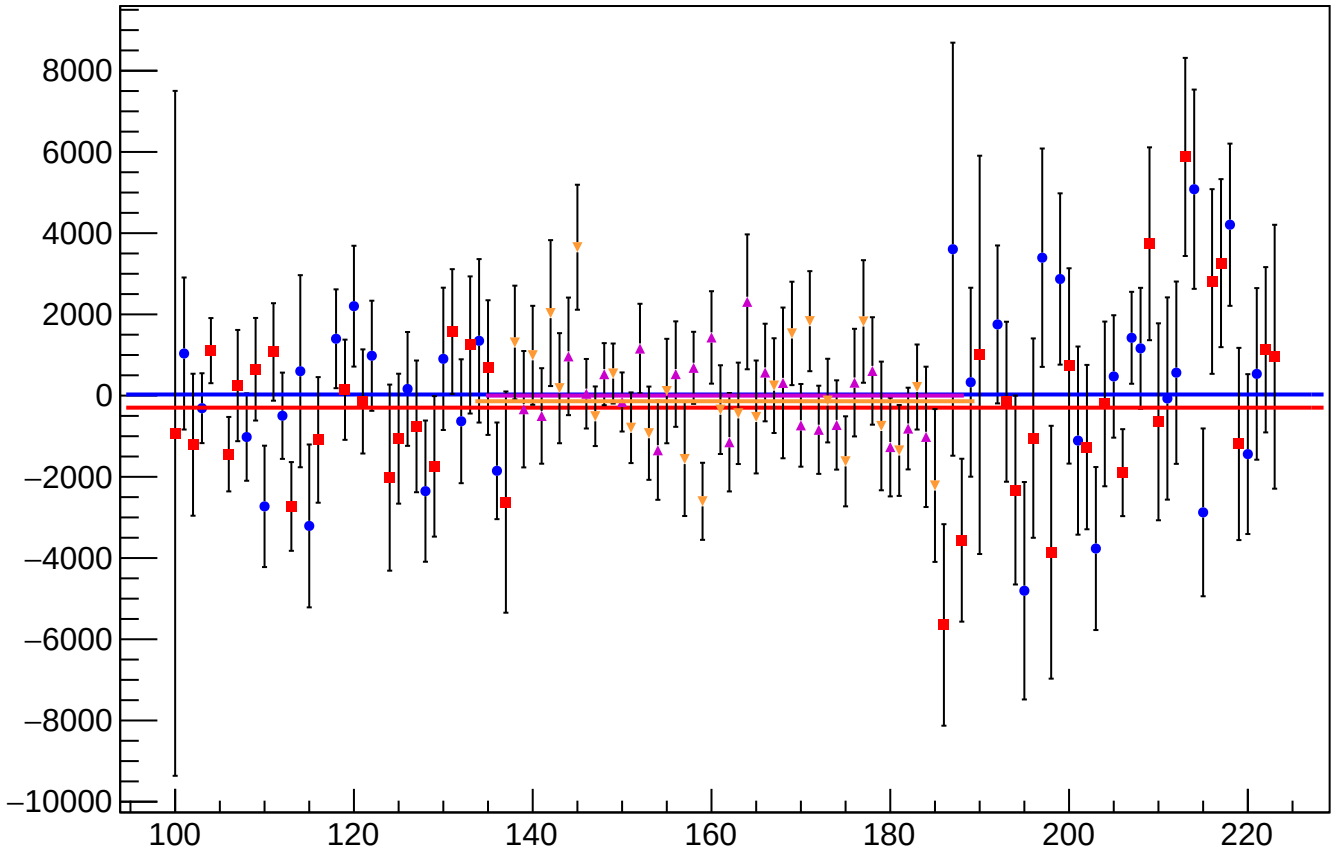
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.797+/-0.174 χ^2/NDF: 826114.9/71

In: 1625.589+/-0.182 χ^2/NDF:678585.3/56

Out: 1626.943+/-0.178 χ^2/NDF:160384.0/62

All: 1626.280+/-0.127 χ^2/NDF: 838997.7/119



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

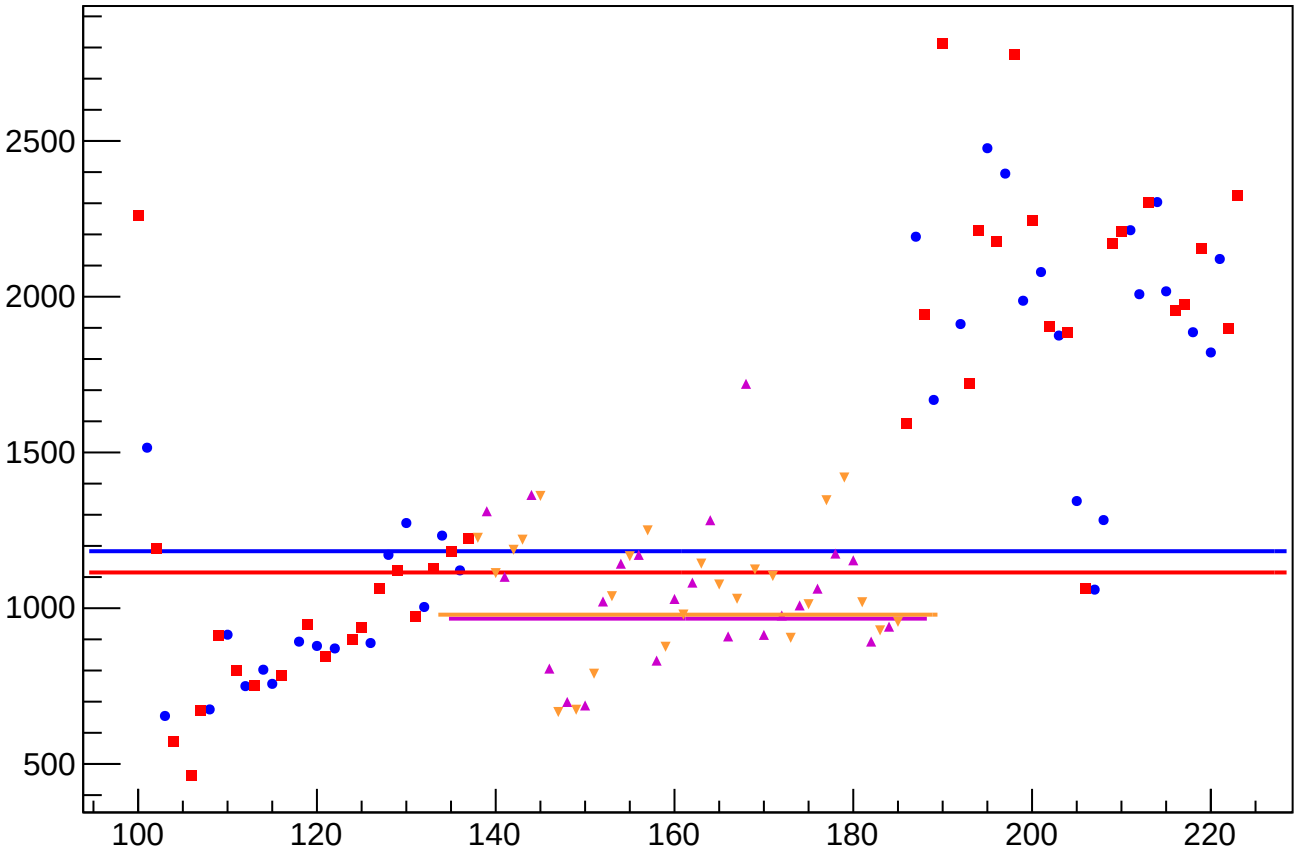
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -141.352+/-191.551 χ^2/NDF: 87.2/71

In: 11.301+/-177.712 χ^2/NDF:54.9/56

Out: -206.442+/-173.467 χ^2/NDF:74.7/62

All: -100.202+/-124.133 χ^2/NDF: 130.4/119



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

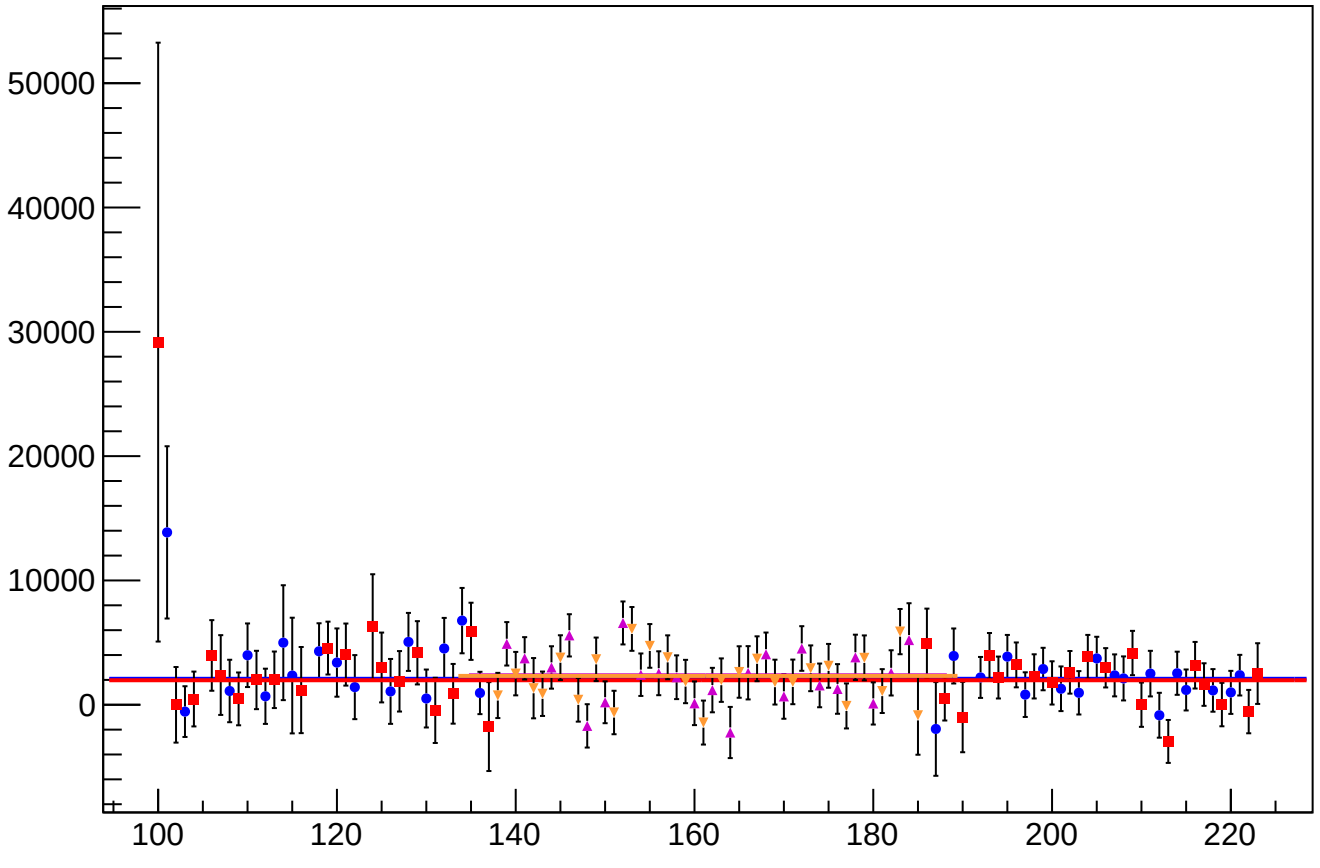
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1147.483+/-0.135 χ^2/NDF: 15712841.4/71

In: 1055.879+/-0.126 χ^2/NDF:8969182.0/56

Out: 1037.111+/-0.123 χ^2/NDF:10931292.5/62

All: 1046.268+/-0.088 χ^2/NDF: 19911897.6/1



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

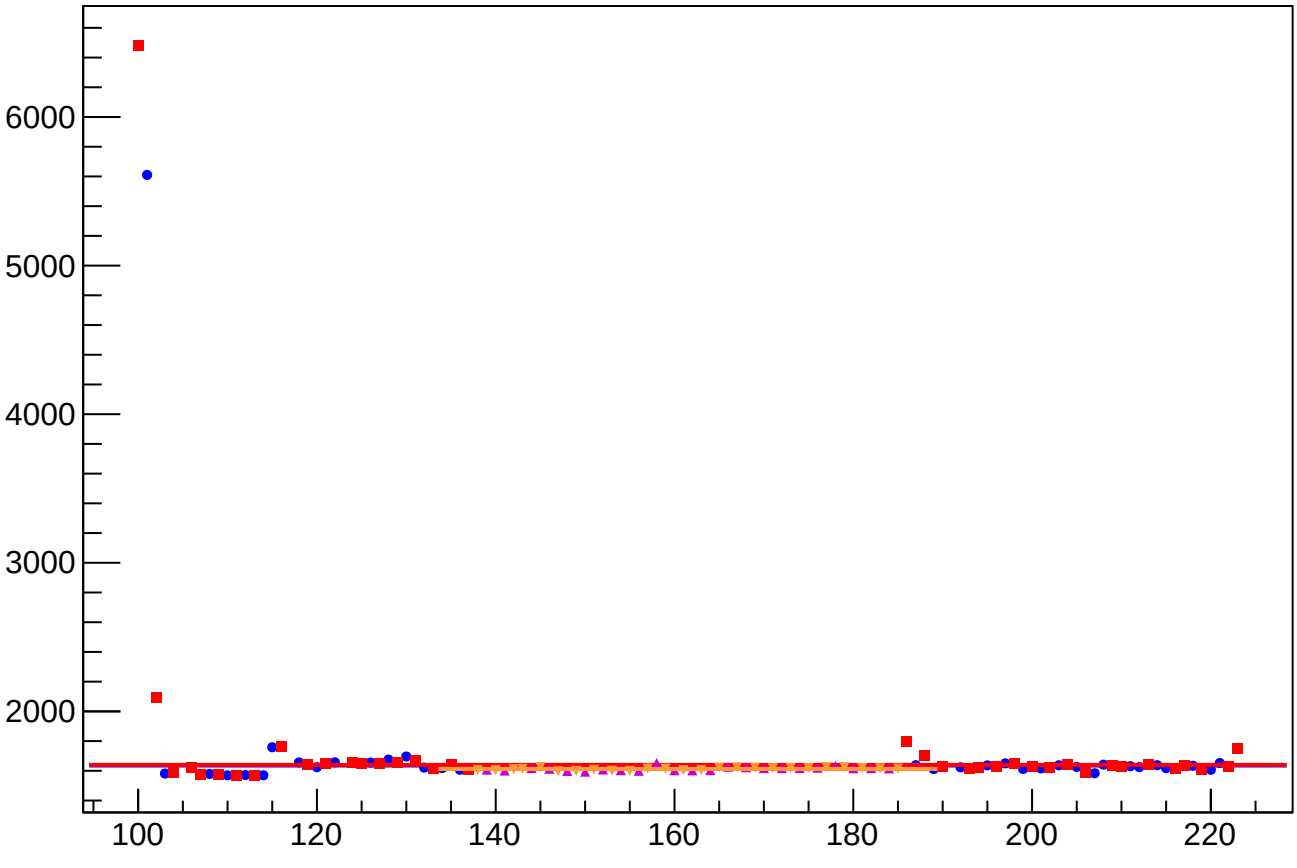
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2029.457+/-246.301 χ^2/NDF: 56.5/71

In: 2219.296+/-256.699 χ^2/NDF:57.1/56

Out: 2136.740+/-251.540 χ^2/NDF:61.4/62

All: 2177.180+/-179.662 χ^2/NDF: 118.5/119



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

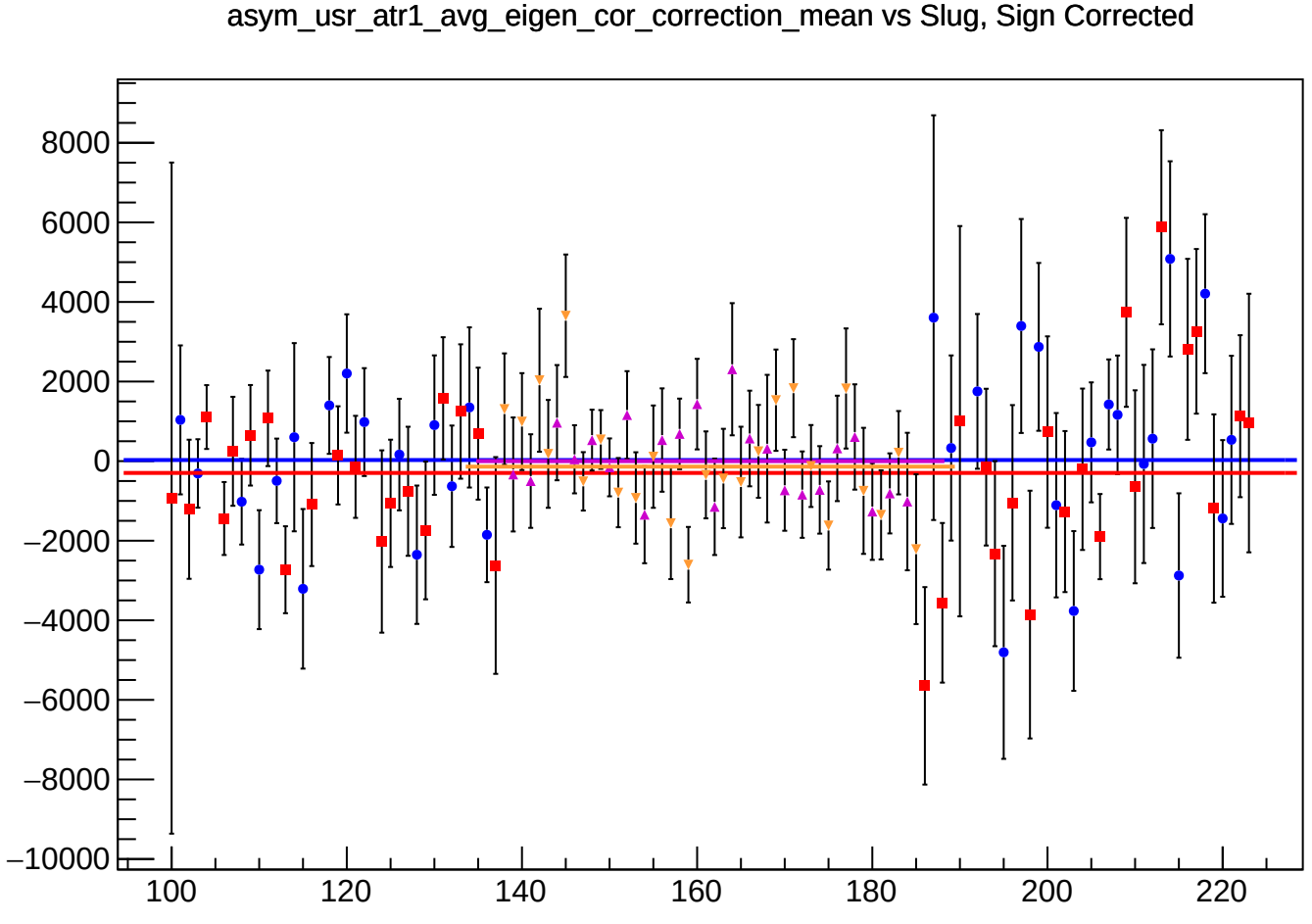
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.797+/-0.174 χ^2/NDF: 826114.9/71

In: 1625.589+/-0.182 χ^2/NDF:678585.3/56

Out: 1626.943+/-0.178 χ^2/NDF:160384.0/62

All: 1626.280+/-0.127 χ^2/NDF: 838997.7/119



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

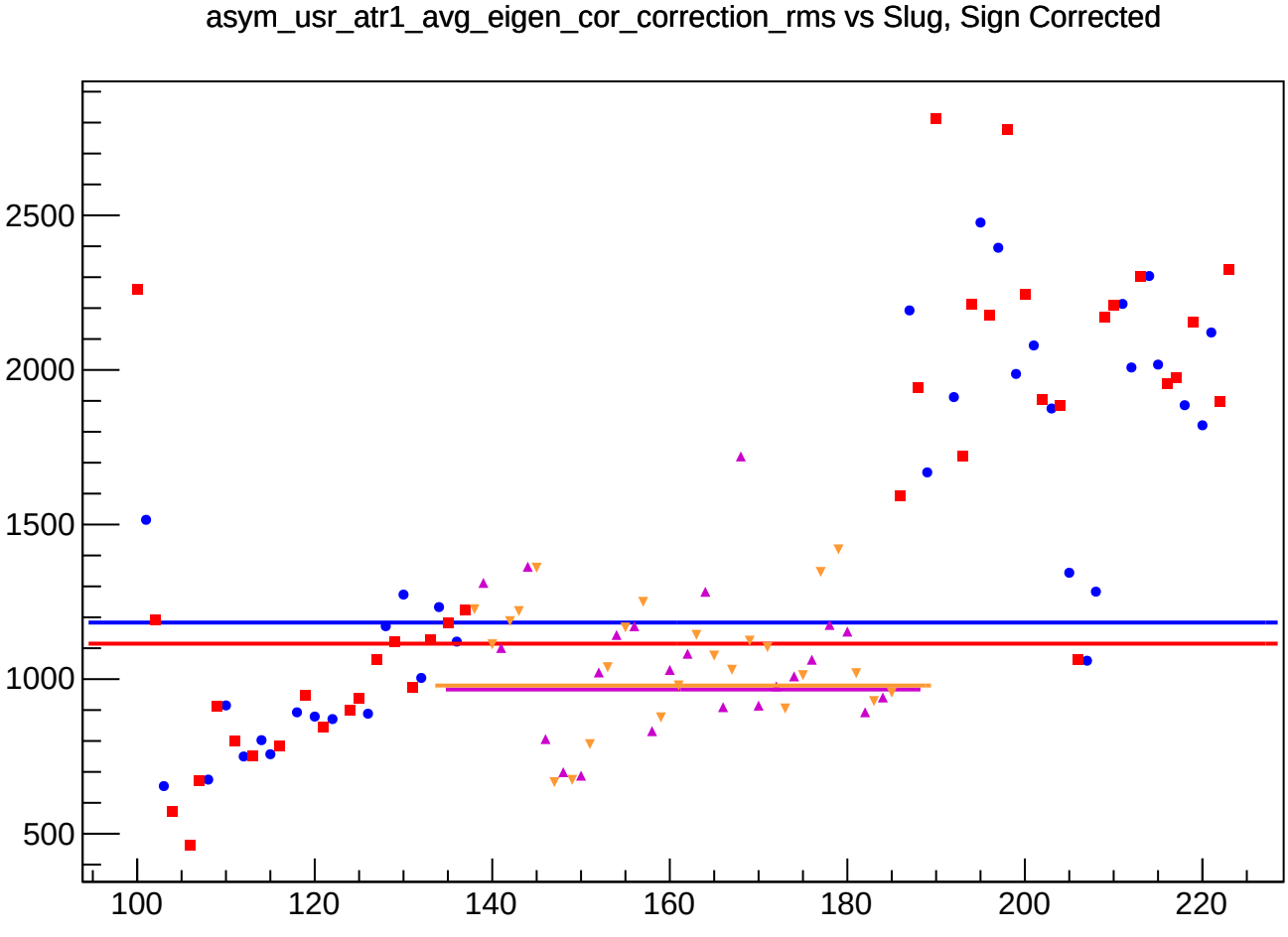
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -141.352+/-191.551 χ^2/NDF: 87.2/71

In: 11.301+/-177.712 χ^2/NDF:54.9/56

Out: -206.442+/-173.467 χ^2/NDF:74.7/62

All: -100.202+/-124.133 χ^2/NDF: 130.4/119



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

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

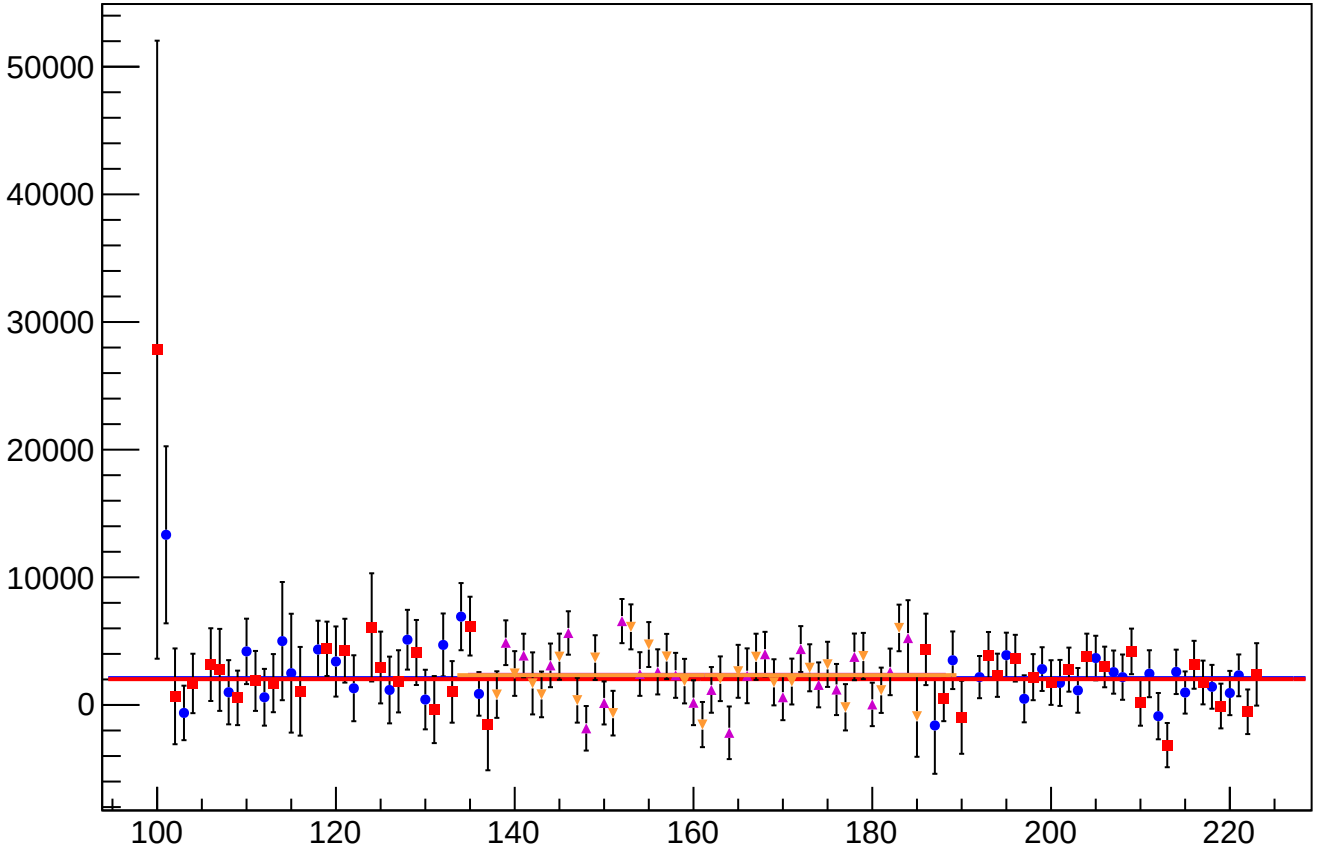
Right: 1147.483+/-0.135 χ^2/NDF: 15712841.4/71

In: 1055.879+/-0.126 χ^2/NDF:8969182.0/56

Out: 1037.111+/-0.123 χ^2/NDF:10931292.5/62

All: 1046.268+/-0.088 χ^2/NDF: 19911897.6/1

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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

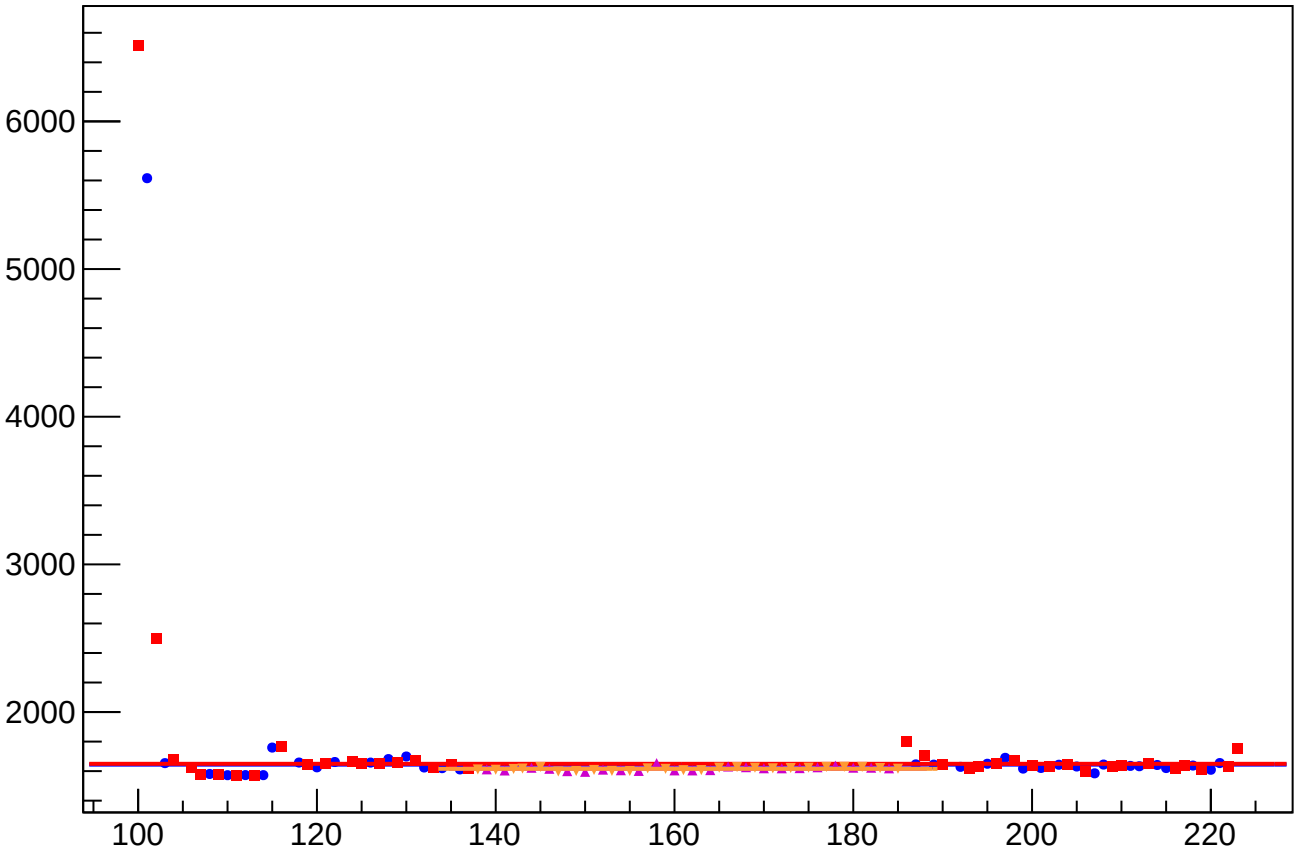
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2062.119+/-247.840 χ^2/NDF: 55.5/71

In: 2222.837+/-257.583 χ^2/NDF:57.3/56

Out: 2170.463+/-252.747 χ^2/NDF:61.1/62

All: 2196.154+/-180.404 χ^2/NDF: 118.4/119



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

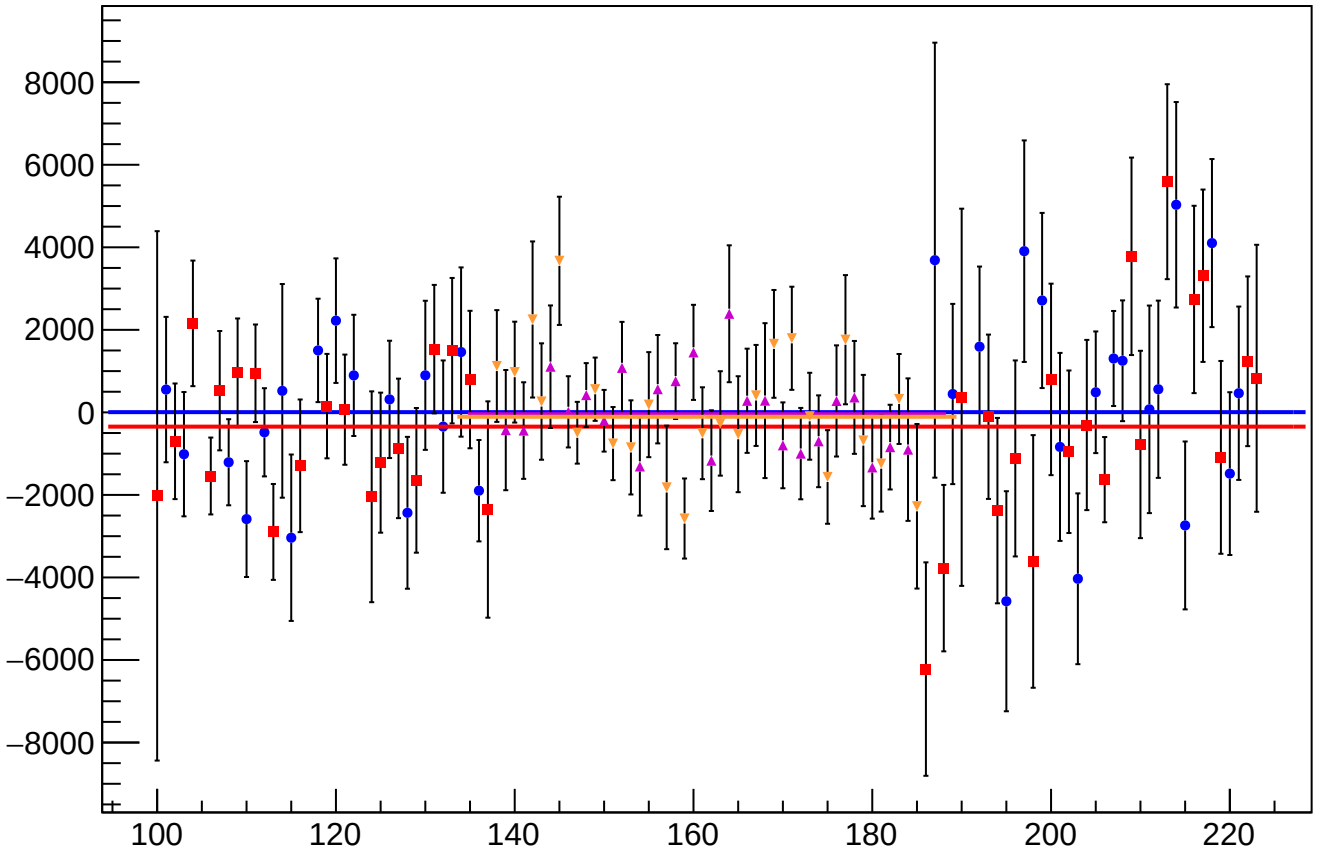
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1646.736+/-0.175 χ^2/NDF: 882772.4/71

In: 1631.112+/-0.182 χ^2/NDF:679887.5/56

Out: 1633.403+/-0.179 χ^2/NDF:221287.4/62

All: 1632.279+/-0.128 χ^2/NDF: 901255.4/119



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

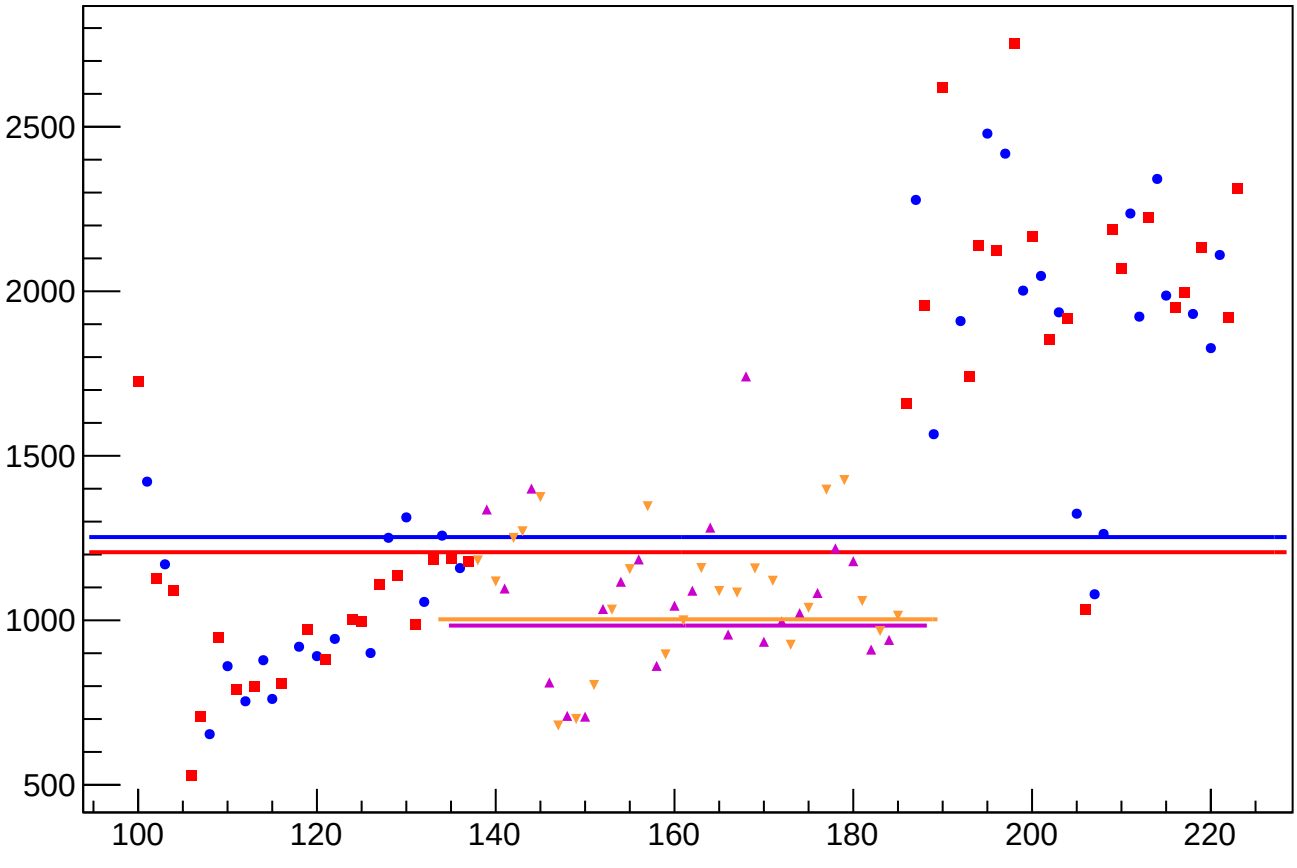
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -176.156+/-200.364 χ^2/NDF: 86.6/71

In: -24.444+/-182.562 χ^2/NDF:54.2/56

Out: -205.417+/-179.271 χ^2/NDF:74.0/62

All: -116.576+/-127.911 χ^2/NDF: 128.6/119



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

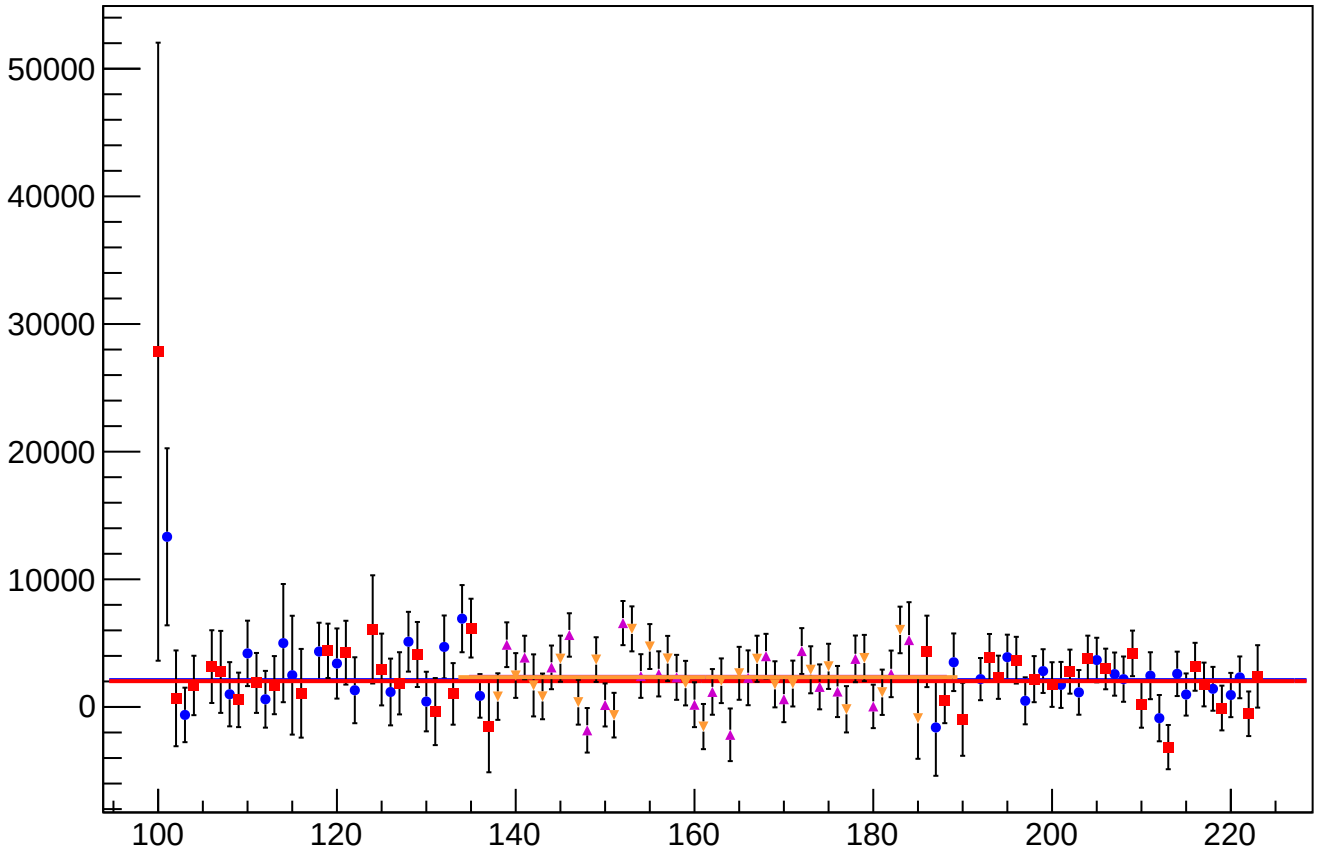
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1229.194+/-0.142 χ^2/NDF: 13023850.3/71

In: 1091.696+/-0.129 χ^2/NDF:8324042.0/56

Out: 1087.651+/-0.127 χ^2/NDF:9501584.7/62

All: 1089.637+/-0.090 χ^2/NDF: 17826126.8/



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

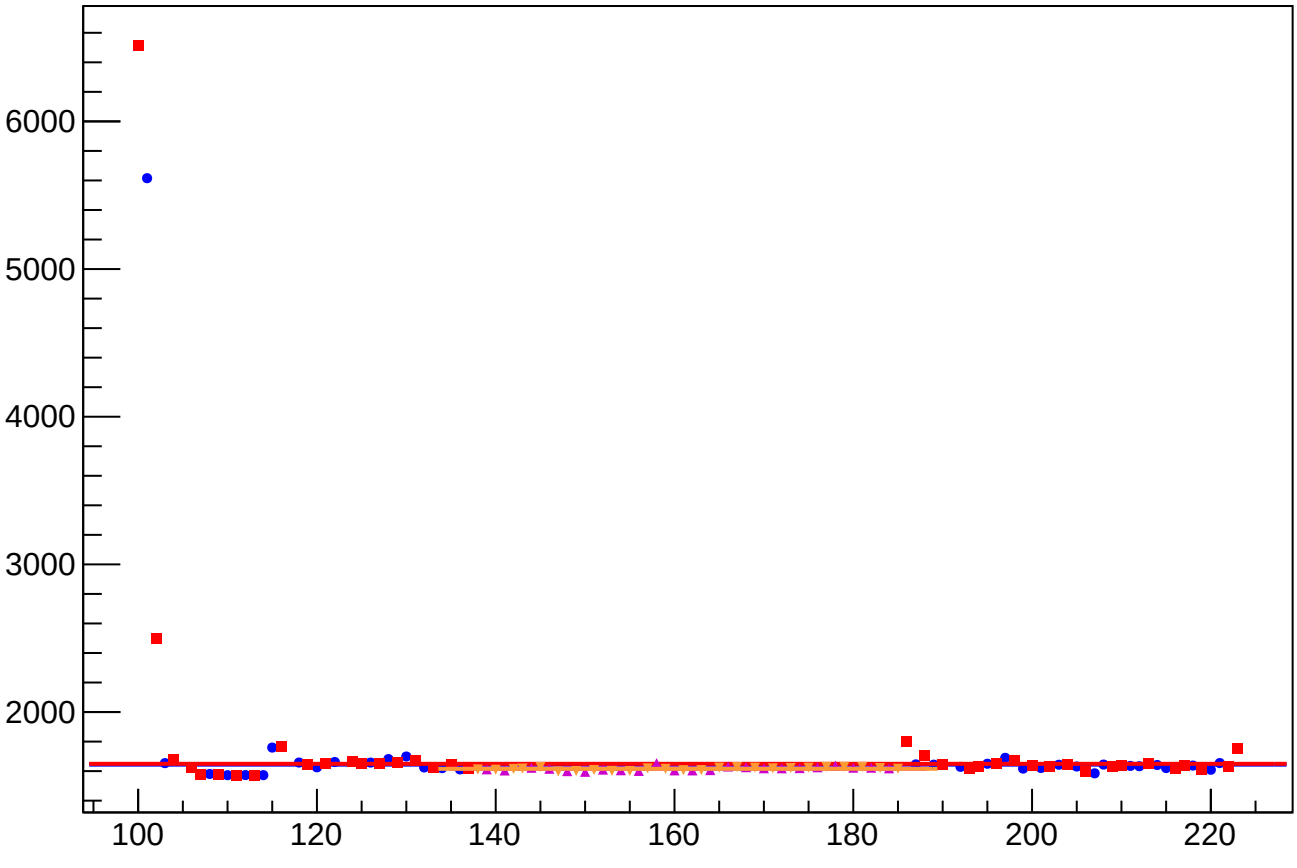
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2062.120+/-247.840 χ^2/NDF: 55.5/71

In: 2222.838+/-257.583 χ^2/NDF:57.3/56

Out: 2170.463+/-252.747 χ^2/NDF:61.1/62

All: 2196.154+/-180.404 χ^2/NDF: 118.4/119



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

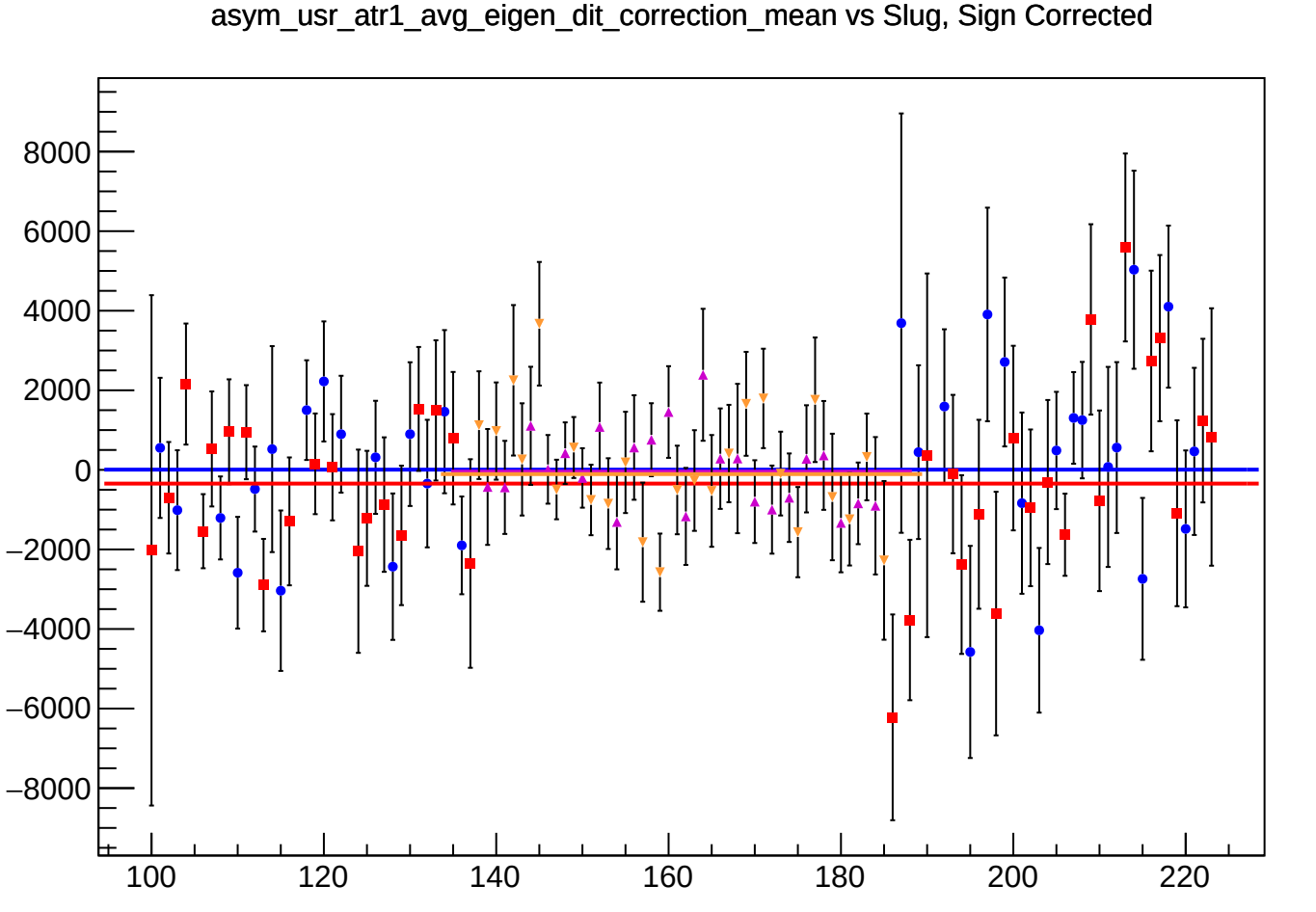
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

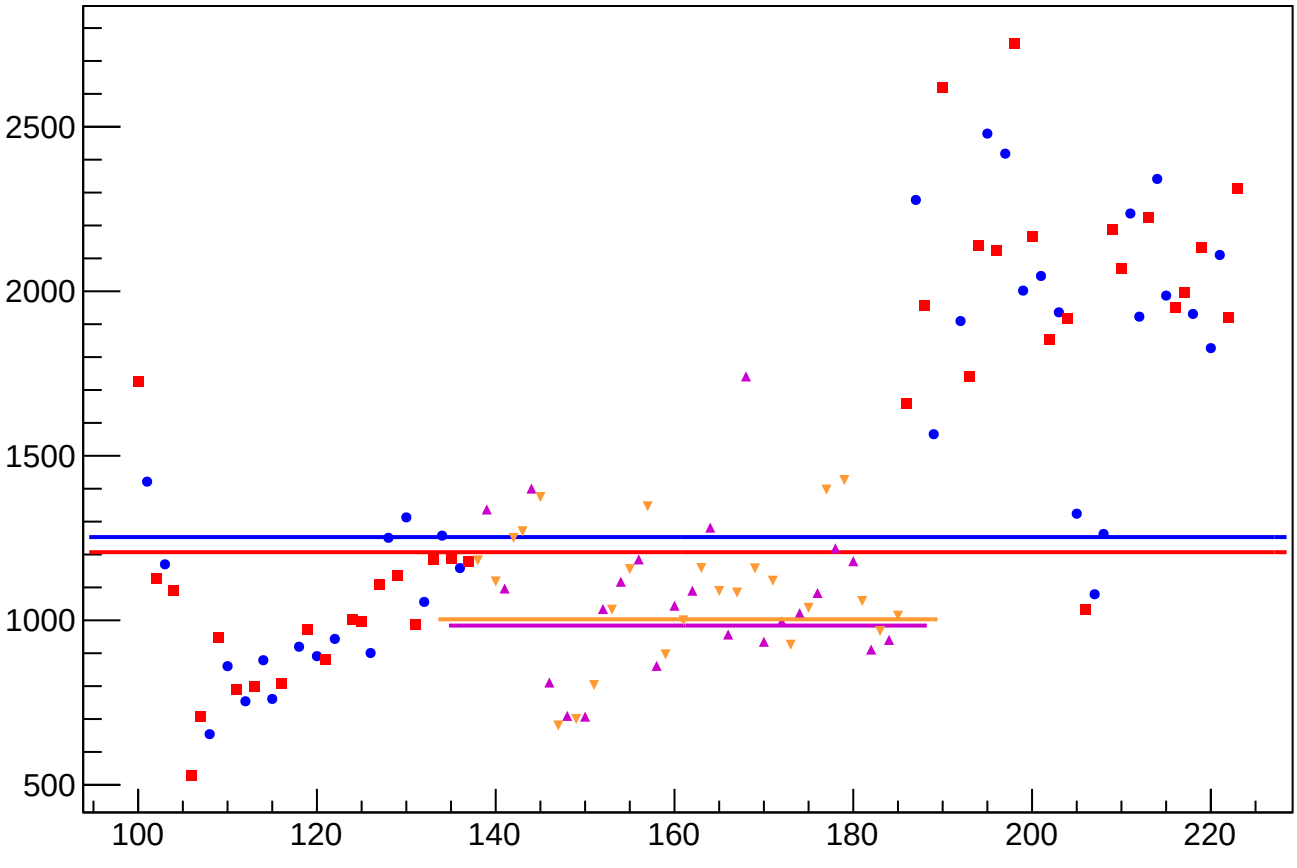
Right: 1646.736+/-0.175 χ^2/NDF: 882772.2/71

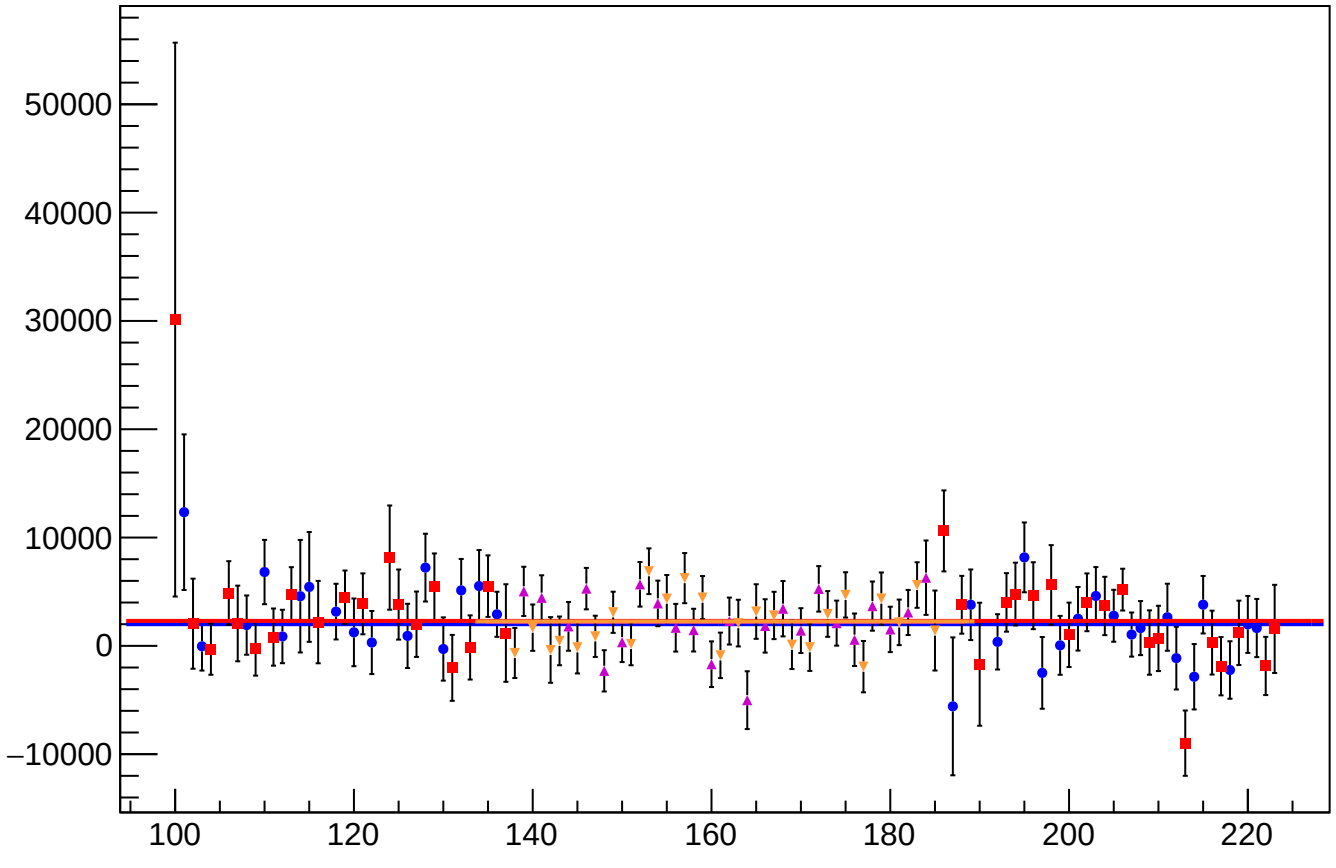
In: 1631.112+/-0.182 χ^2/NDF:679887.4/56

Out: 1633.403+/-0.179 χ^2/NDF:221287.2/62

All: 1632.279+/-0.128 χ^2/NDF: 901255.2/119


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 5.563+/-288.569 χ²/NDF: 41.4/33
Left Out: -106.340+/-234.307 χ²/NDF:29.0/24
Right Out: -345.312+/-278.416 χ²/NDF: 44.5/37
Left In: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -75.592+/-166.182 χ²/NDF: 41.8/47
Right: -176.155+/-200.363 χ²/NDF: 86.6/71
In: -24.444+/-182.562 χ²/NDF:54.2/56
Out: -205.418+/-179.271 χ²/NDF:74.0/62
All: -116.577+/-127.911 χ²/NDF: 128.6/119


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1252.998+/-0.204 χ²/NDF: 5722610.5/33
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1207.029+/-0.197 χ²/NDF: 7275078.3/37
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1229.191+/-0.142 χ²/NDF: 13023973.2/71
In: 1091.697+/-0.129 χ²/NDF:8324076.7/56
Out: 1087.651+/-0.127 χ²/NDF:9501610.5/62
All: 1089.637+/-0.090 χ²/NDF: 17826187.2/



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

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

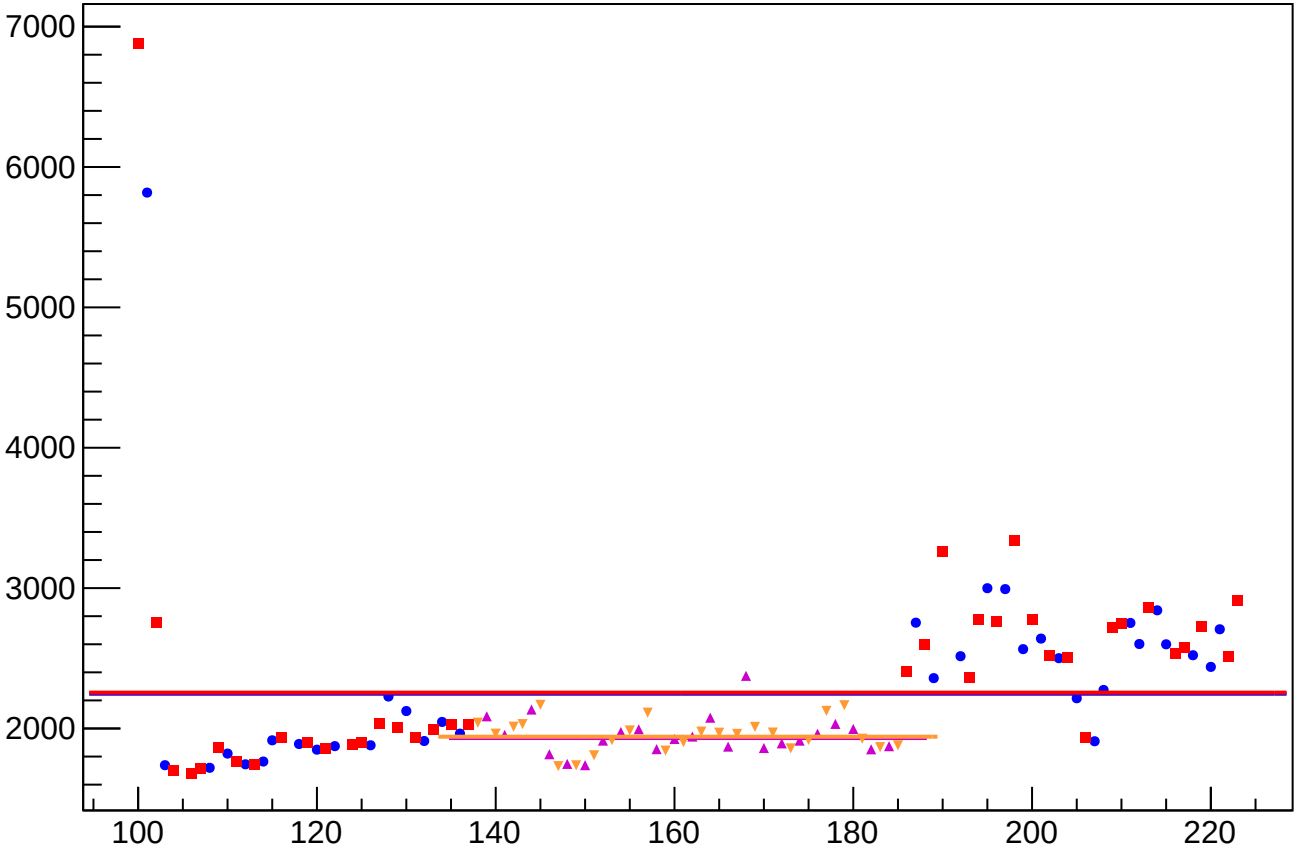
Right: 2153.748+/-344.667 χ^2/NDF: 74.5/71

In: 2118.594+/-332.114 χ^2/NDF:61.0/56

Out: 2276.055+/-326.968 χ^2/NDF:73.2/62

All: 2198.554+/-232.999 χ^2/NDF: 134.3/119

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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

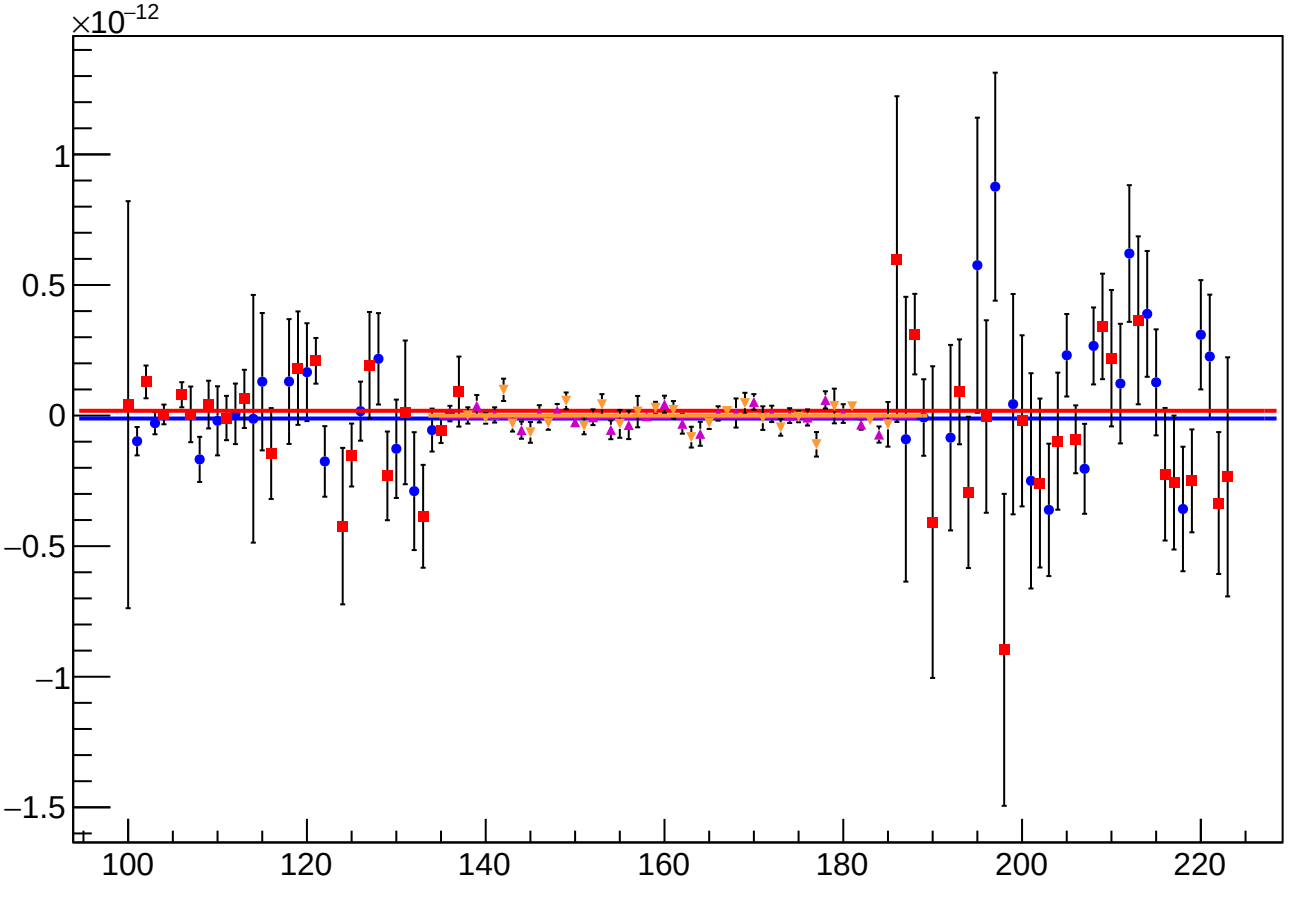
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2251.574+/-0.244 χ^2/NDF: 3342185.6/71

In: 2077.350+/-0.235 χ^2/NDF:2310921.8/56

Out: 2083.857+/-0.231 χ^2/NDF:2235997.9/62

All: 2080.654+/-0.165 χ^2/NDF: 4547309.6/11



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

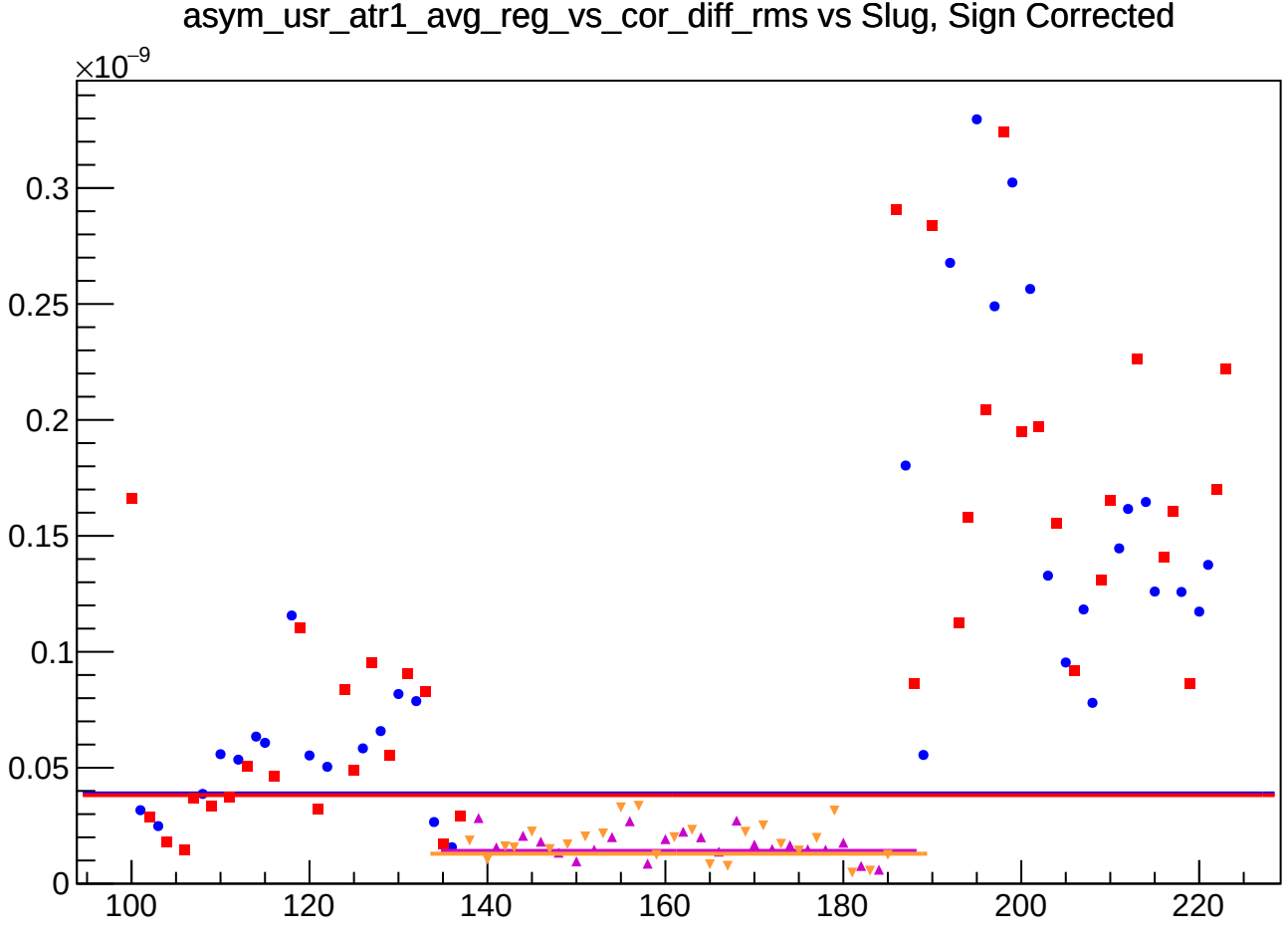
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 90.3/71

In: -0.000+/-0.000 χ^2/NDF:70.6/56

Out: 0.000+/-0.000 χ^2/NDF:87.2/62

All: -0.000+/-0.000 χ^2/NDF: 158.9/119



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

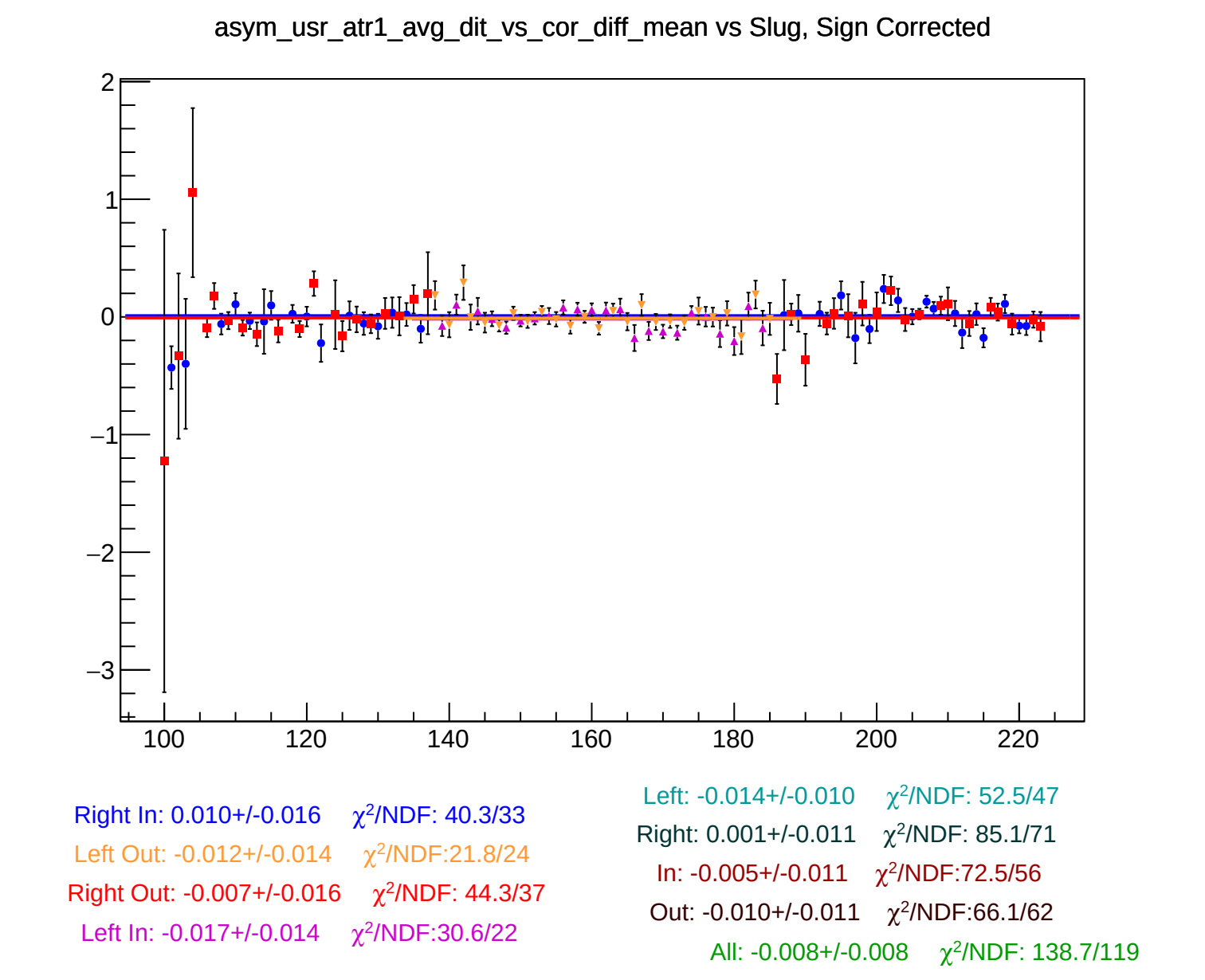
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

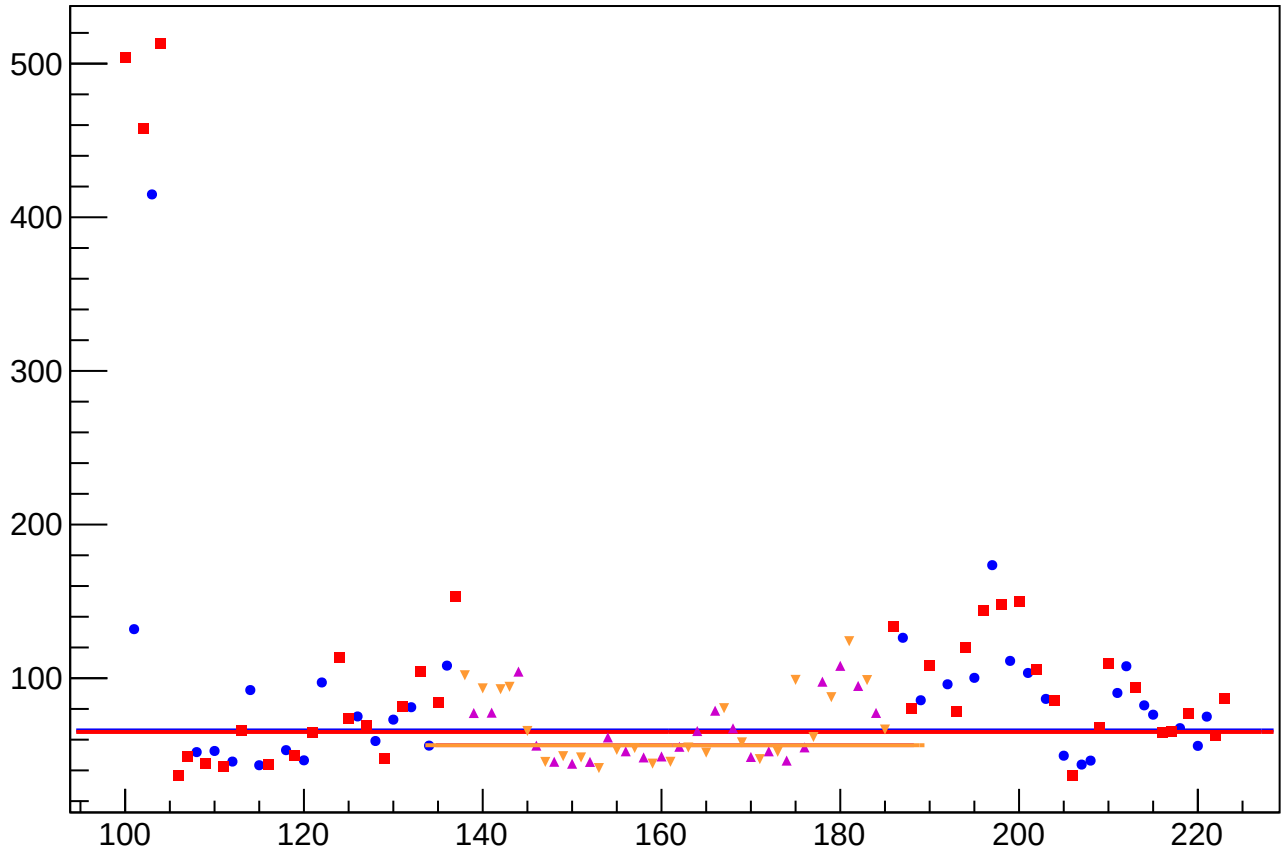
Right: 0.000+/-0.000 χ^2/NDF: 18722124.3/71

In: 0.000+/-0.000 χ^2/NDF:14109173.3/56

Out: 0.000+/-0.000 χ^2/NDF:15811020.0/62

All: 0.000+/-0.000 χ^2/NDF: 29996195.0/119


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.010+/-0.016 χ²/NDF: 40.3/33
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.007+/-0.016 χ²/NDF: 44.3/37
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.001+/-0.011 χ²/NDF: 85.1/71
In: -0.005+/-0.011 χ²/NDF:72.5/56
Out: -0.010+/-0.011 χ²/NDF:66.1/62
All: -0.008+/-0.008 χ²/NDF: 138.7/119



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

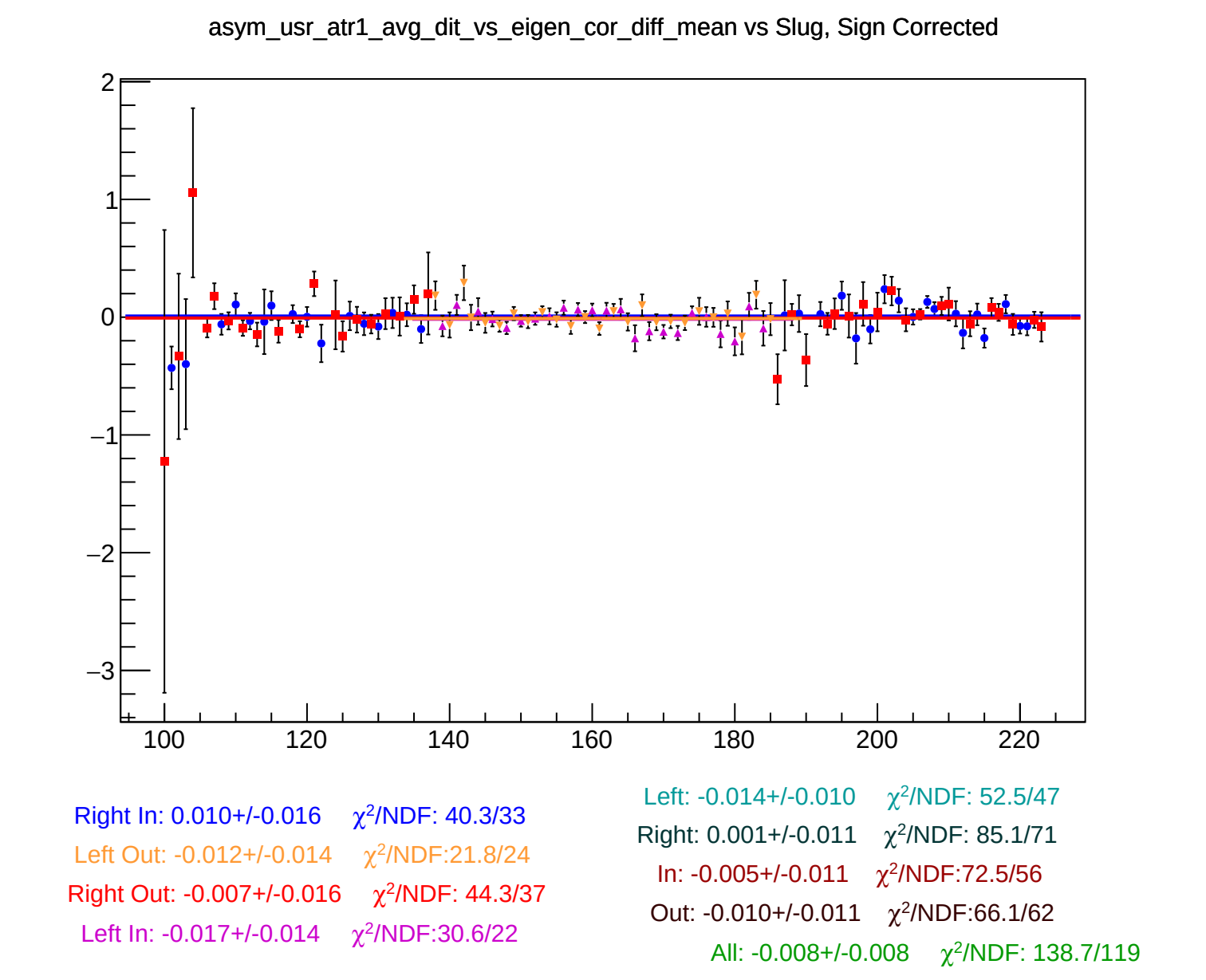
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

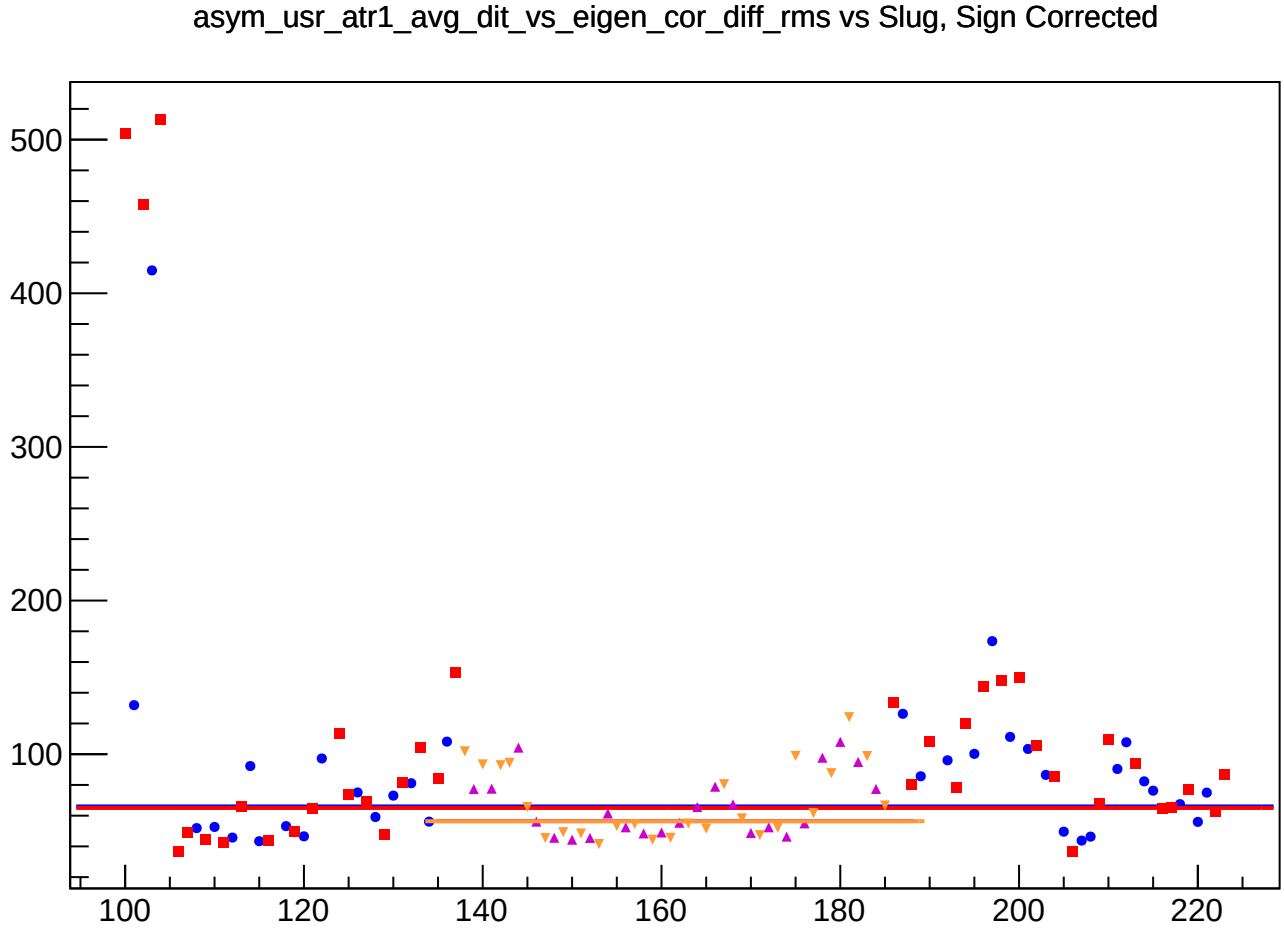
Right: 65.510+/-0.008 χ^2/NDF: 11228272.5/71

In: 60.701+/-0.008 χ^2/NDF:7240268.6/56

Out: 60.174+/-0.008 χ^2/NDF:9627159.1/62

All: 60.435+/-0.005 χ^2/NDF: 16869831.4/119


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.010+/-0.016 χ²/NDF: 40.3/33
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.007+/-0.016 χ²/NDF: 44.3/37
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.001+/-0.011 χ²/NDF: 85.1/71
In: -0.005+/-0.011 χ²/NDF:72.5/56
Out: -0.010+/-0.011 χ²/NDF:66.1/62
All: -0.008+/-0.008 χ²/NDF: 138.7/119



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

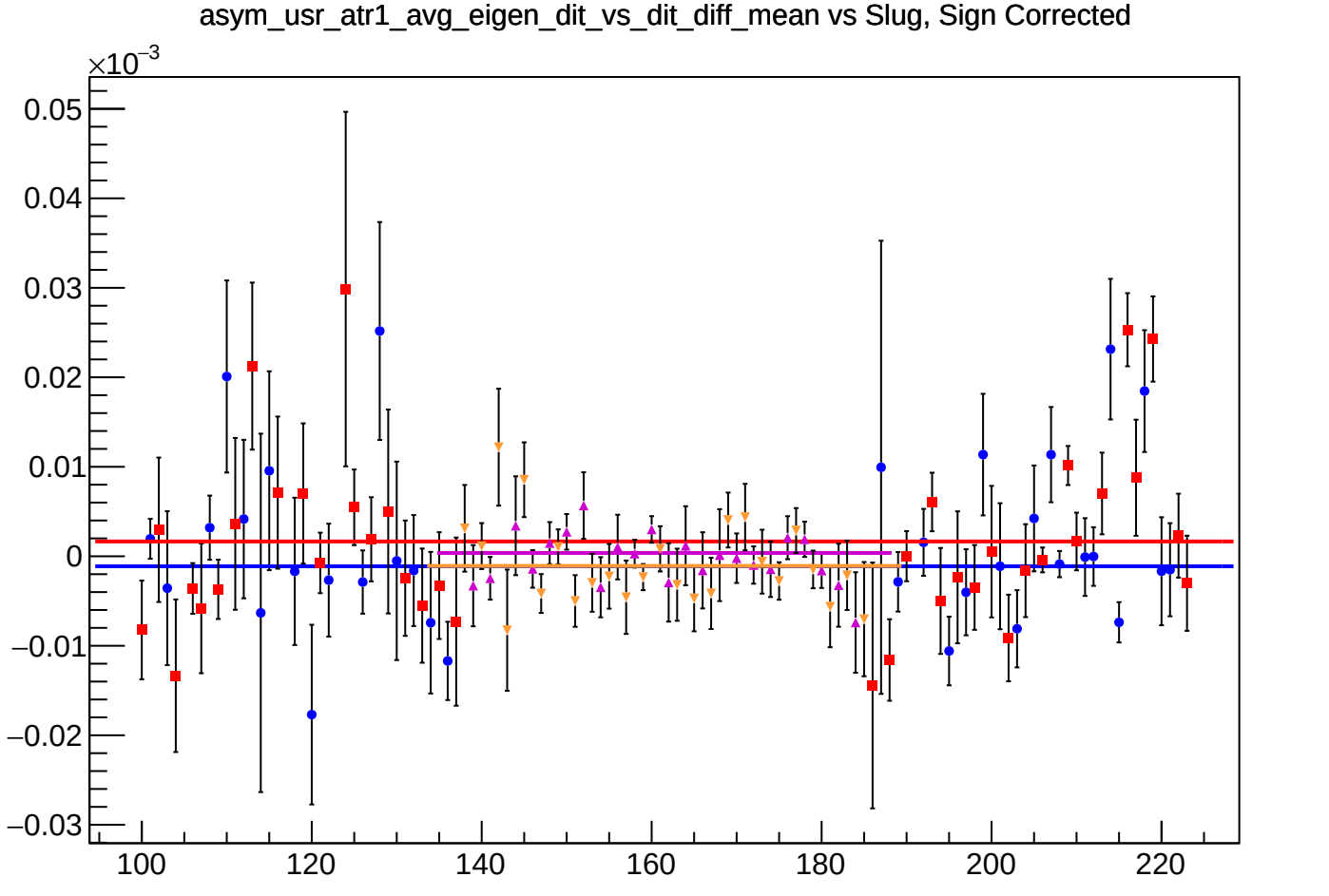
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

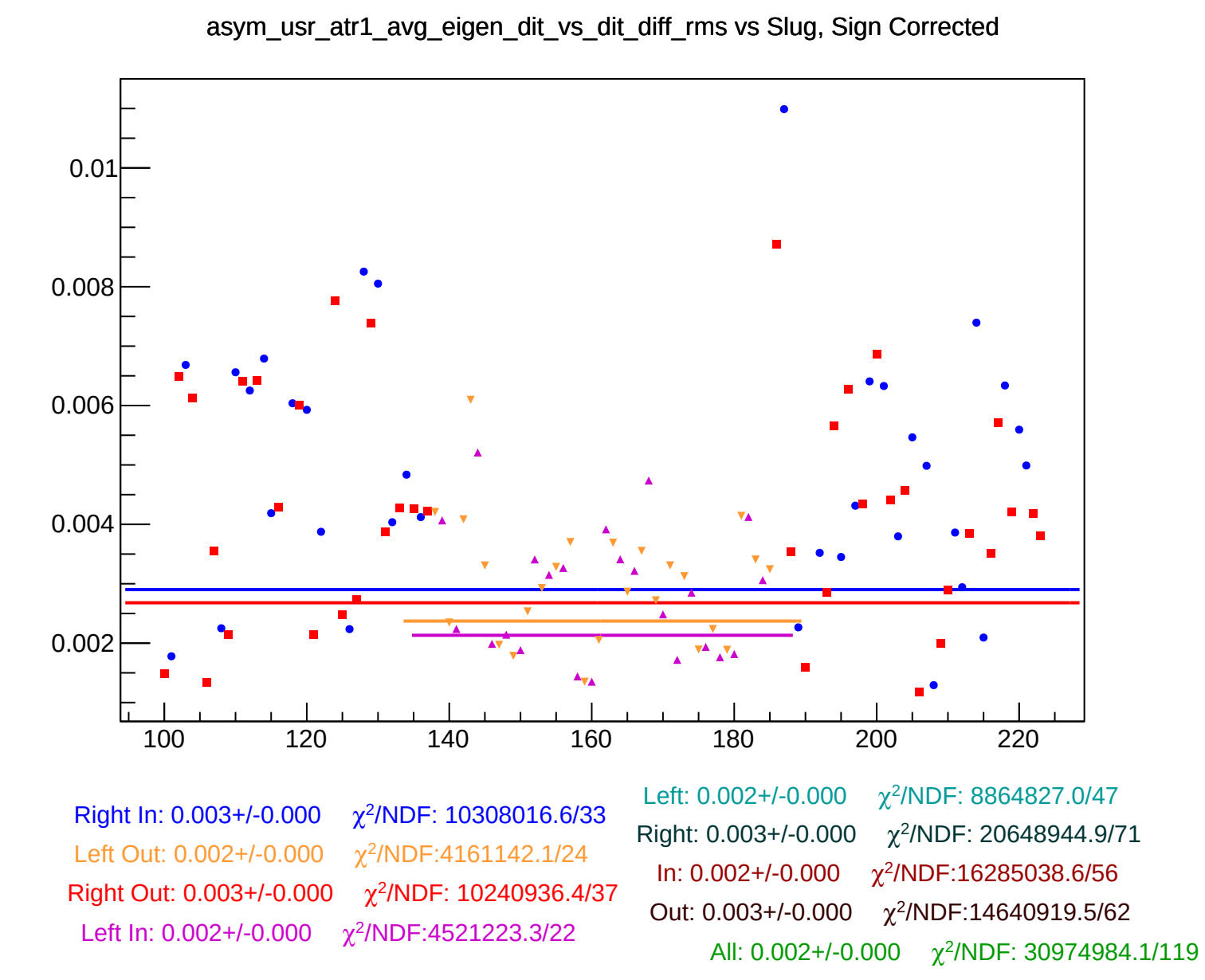
Right: 65.510+/-0.008 χ^2/NDF: 11228272.5/71

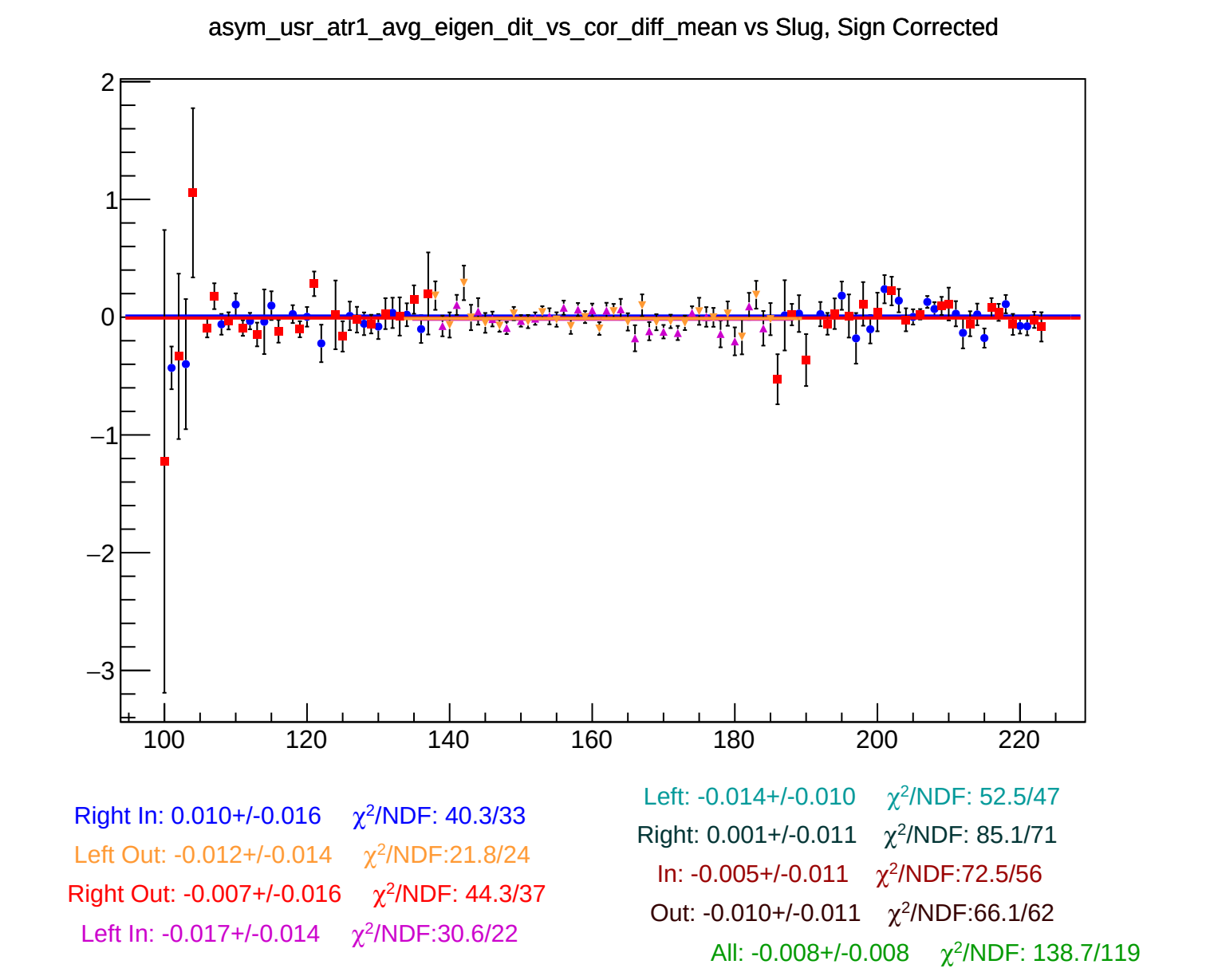
In: 60.701+/-0.008 χ^2/NDF:7240268.6/56

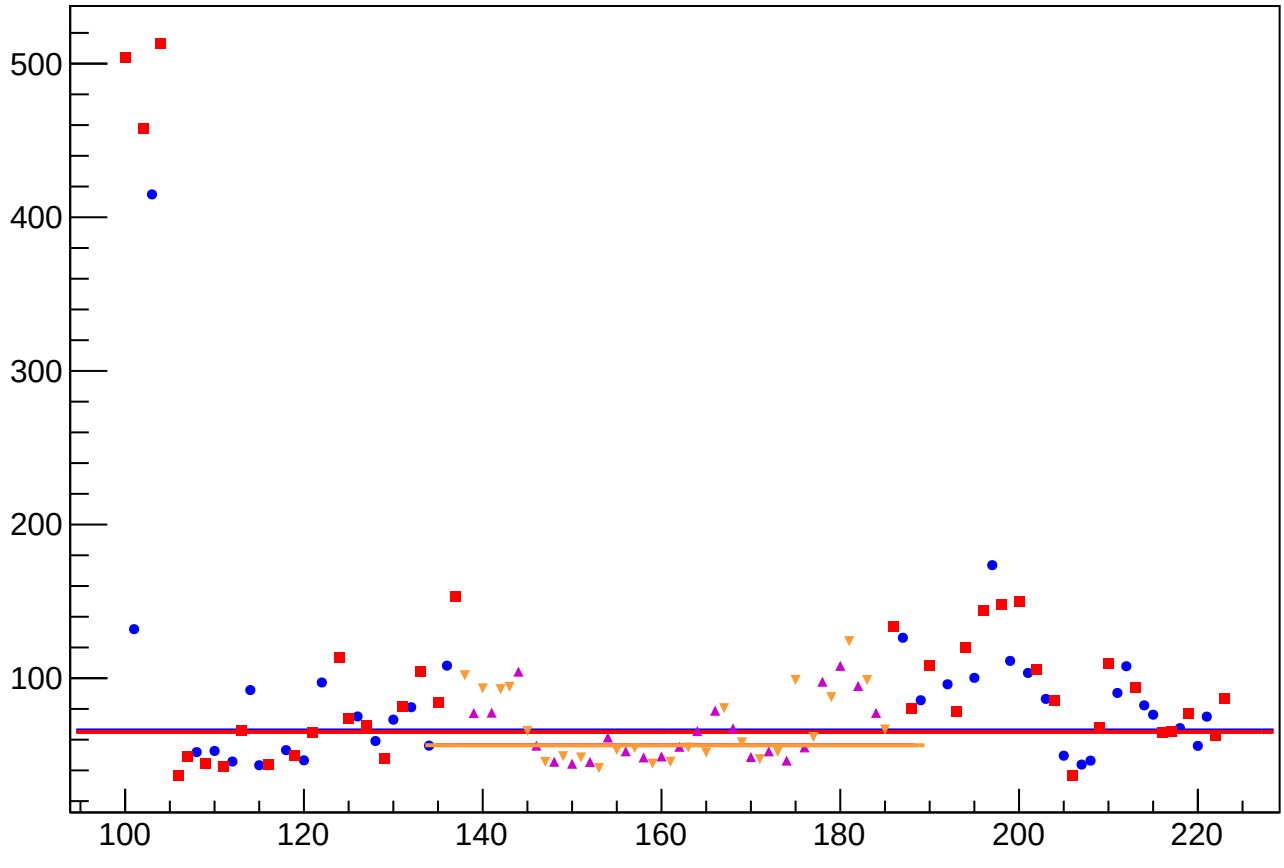
Out: 60.174+/-0.008 χ^2/NDF:9627159.1/62

All: 60.435+/-0.005 χ^2/NDF: 16869831.4/119


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
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: 68.4/33
Left Out: -0.000+/-0.000 χ²/NDF:31.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 122.4/37
Left In: 0.000+/-0.000 χ²/NDF:17.5/22
Left: -0.000+/-0.000 χ²/NDF: 52.4/47
Right: 0.000+/-0.000 χ²/NDF: 198.6/71
In: -0.000+/-0.000 χ²/NDF:88.6/56
Out: 0.000+/-0.000 χ²/NDF:163.4/62
All: -0.000+/-0.000 χ²/NDF: 252.1/119


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 10308016.6/33
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 10240936.4/37
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 20648944.9/71
In: 0.002+/-0.000 χ²/NDF:16285038.6/56
Out: 0.003+/-0.000 χ²/NDF:14640919.5/62
All: 0.002+/-0.000 χ²/NDF: 30974984.1/119


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.010+/-0.016 χ²/NDF: 40.3/33
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.007+/-0.016 χ²/NDF: 44.3/37
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.001+/-0.011 χ²/NDF: 85.1/71
In: -0.005+/-0.011 χ²/NDF:72.5/56
Out: -0.010+/-0.011 χ²/NDF:66.1/62
All: -0.008+/-0.008 χ²/NDF: 138.7/119



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

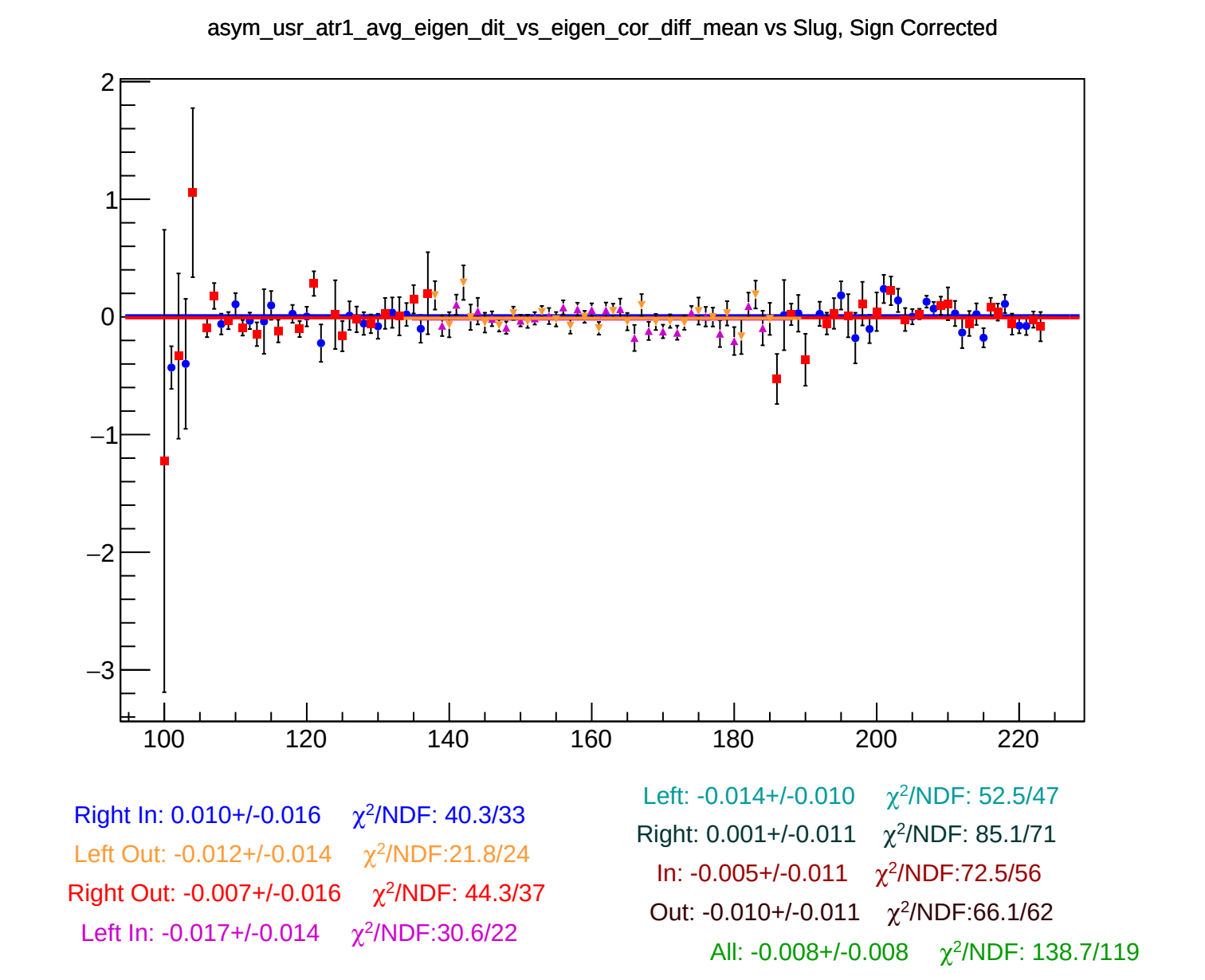
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.510+/-0.008 χ^2/NDF: 11228285.5/71

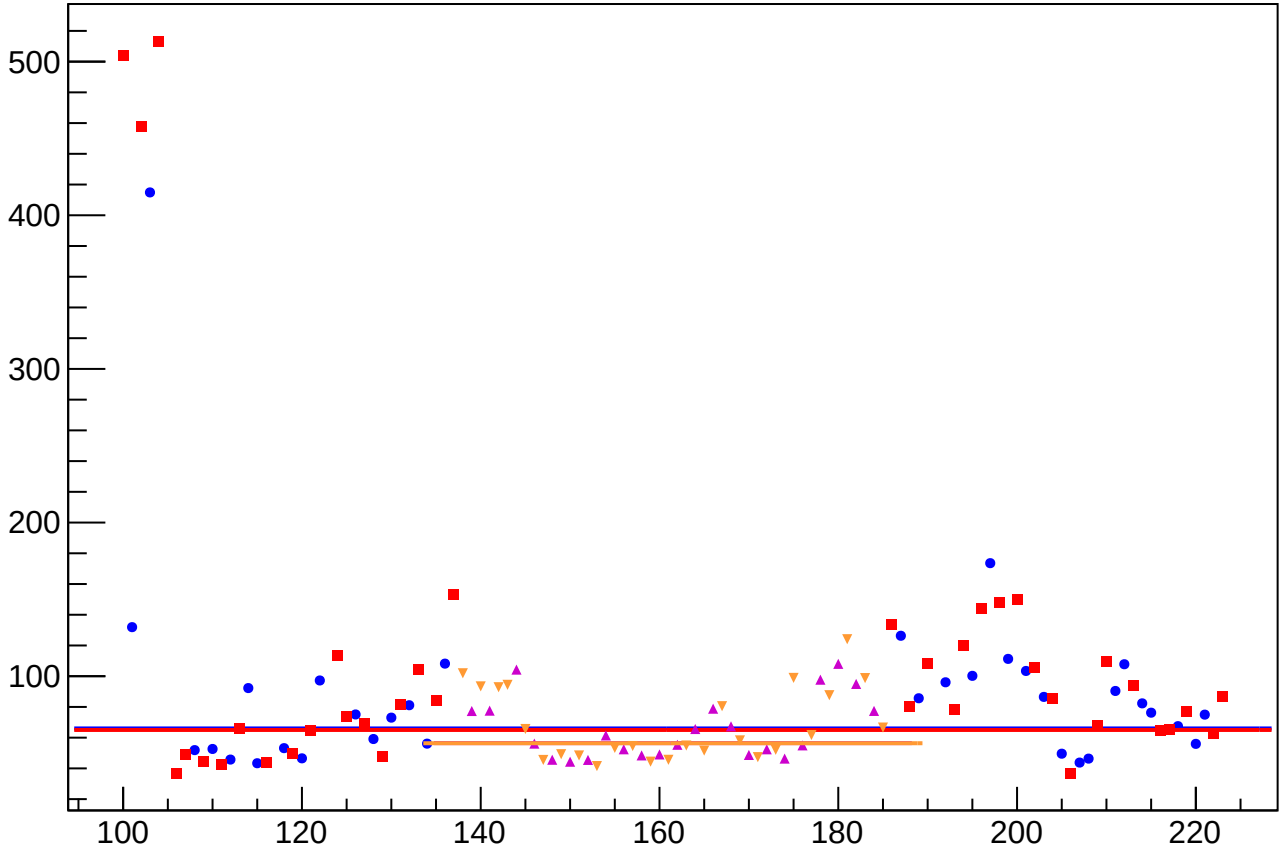
In: 60.701+/-0.008 χ^2/NDF:7240183.4/56

Out: 60.174+/-0.008 χ^2/NDF:9627231.5/62

All: 60.435+/-0.005 χ^2/NDF: 16869818.6/119


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.010+/-0.016 χ²/NDF: 40.3/33
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.007+/-0.016 χ²/NDF: 44.3/37
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.001+/-0.011 χ²/NDF: 85.1/71
In: -0.005+/-0.011 χ²/NDF:72.5/56
Out: -0.010+/-0.011 χ²/NDF:66.1/62
All: -0.008+/-0.008 χ²/NDF: 138.7/119

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

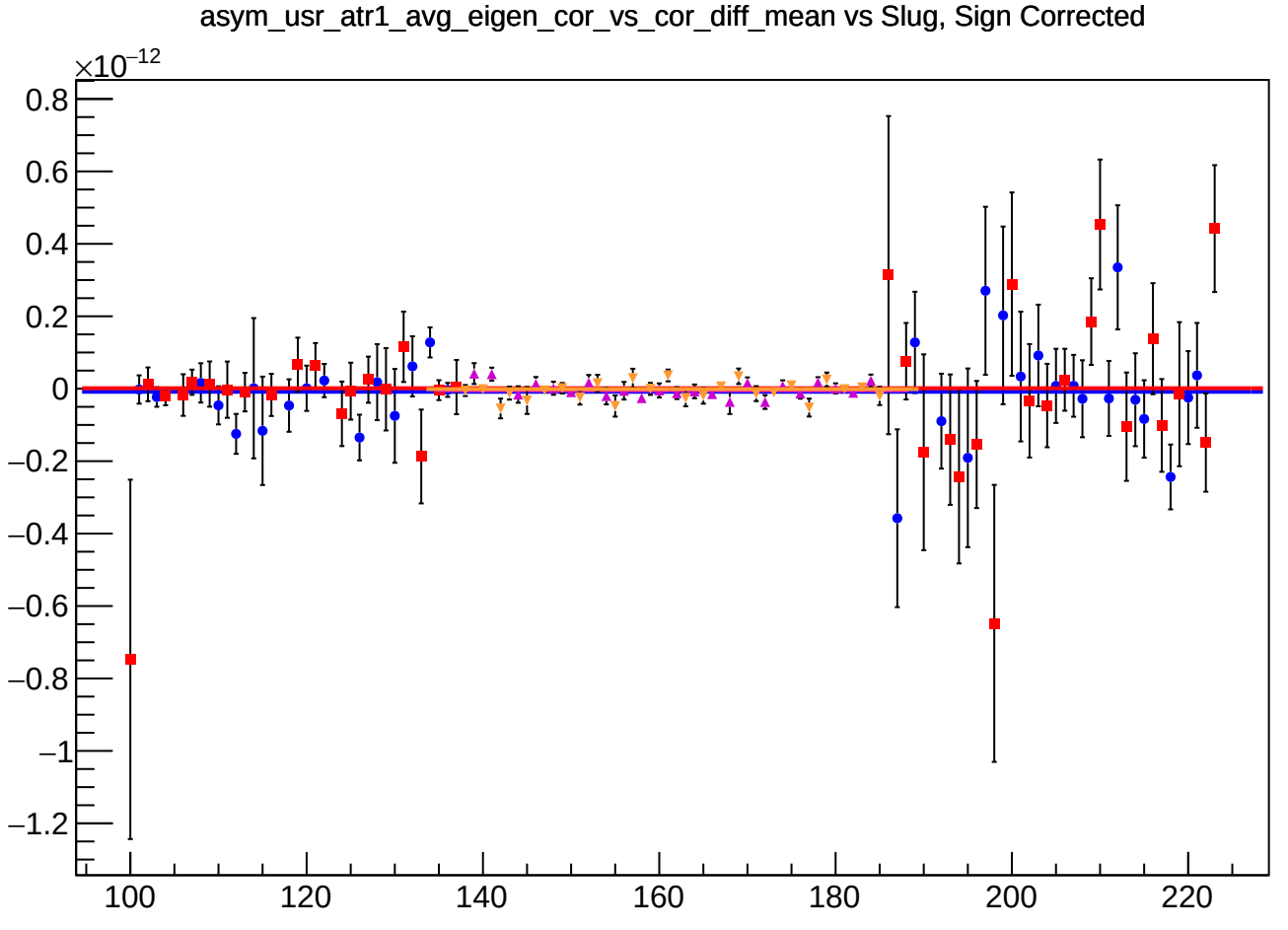
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.510+/-0.008 χ^2/NDF: 11228285.5/71

In: 60.701+/-0.008 χ^2/NDF:7240183.4/56

Out: 60.174+/-0.008 χ^2/NDF:9627231.5/62

All: 60.435+/-0.005 χ^2/NDF: 16869818.6/119



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

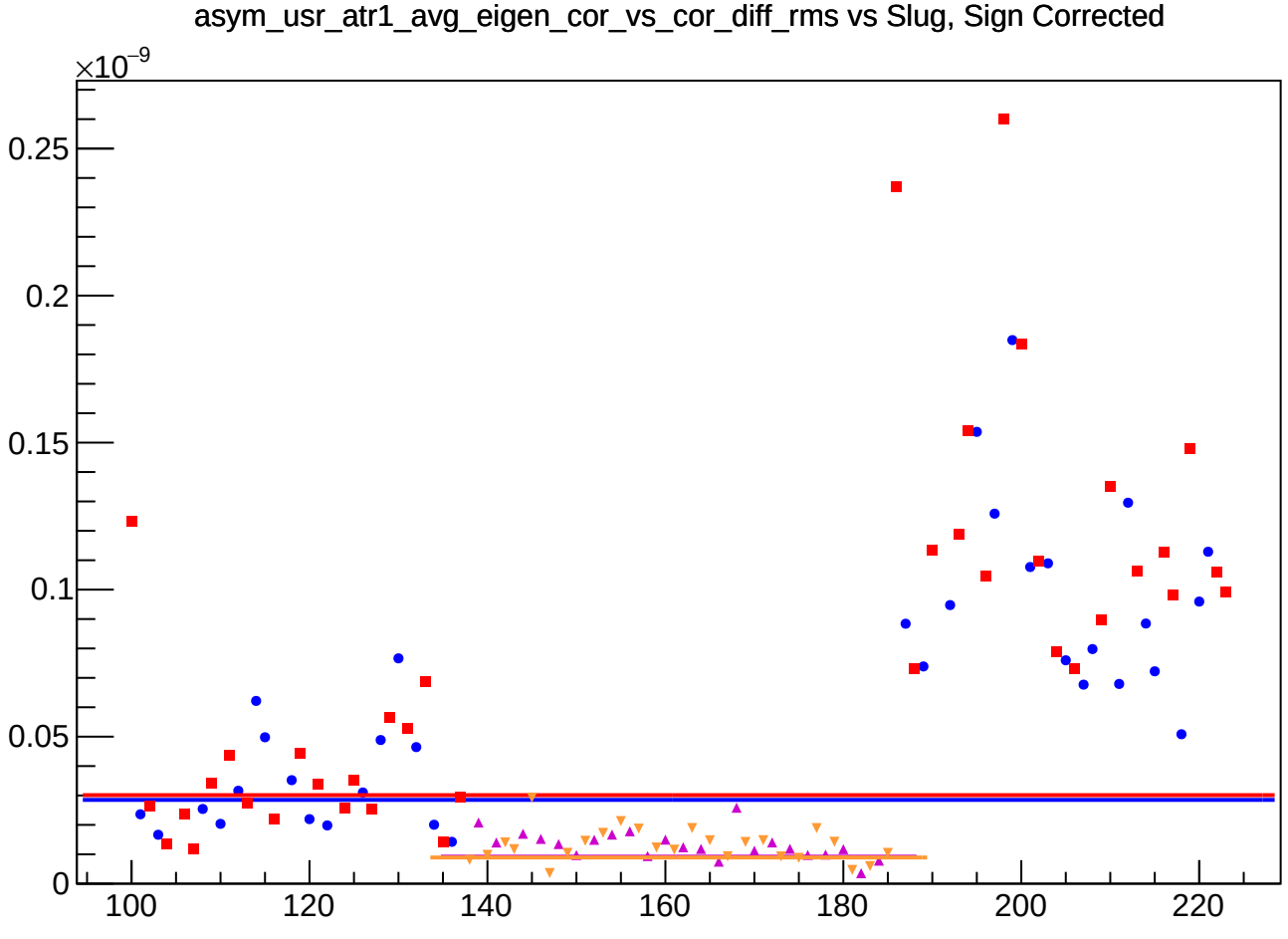
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 77.7/71

In: -0.000+/-0.000 χ^2/NDF:69.5/56

Out: -0.000+/-0.000 χ^2/NDF:66.0/62

All: -0.000+/-0.000 χ^2/NDF: 136.5/119



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

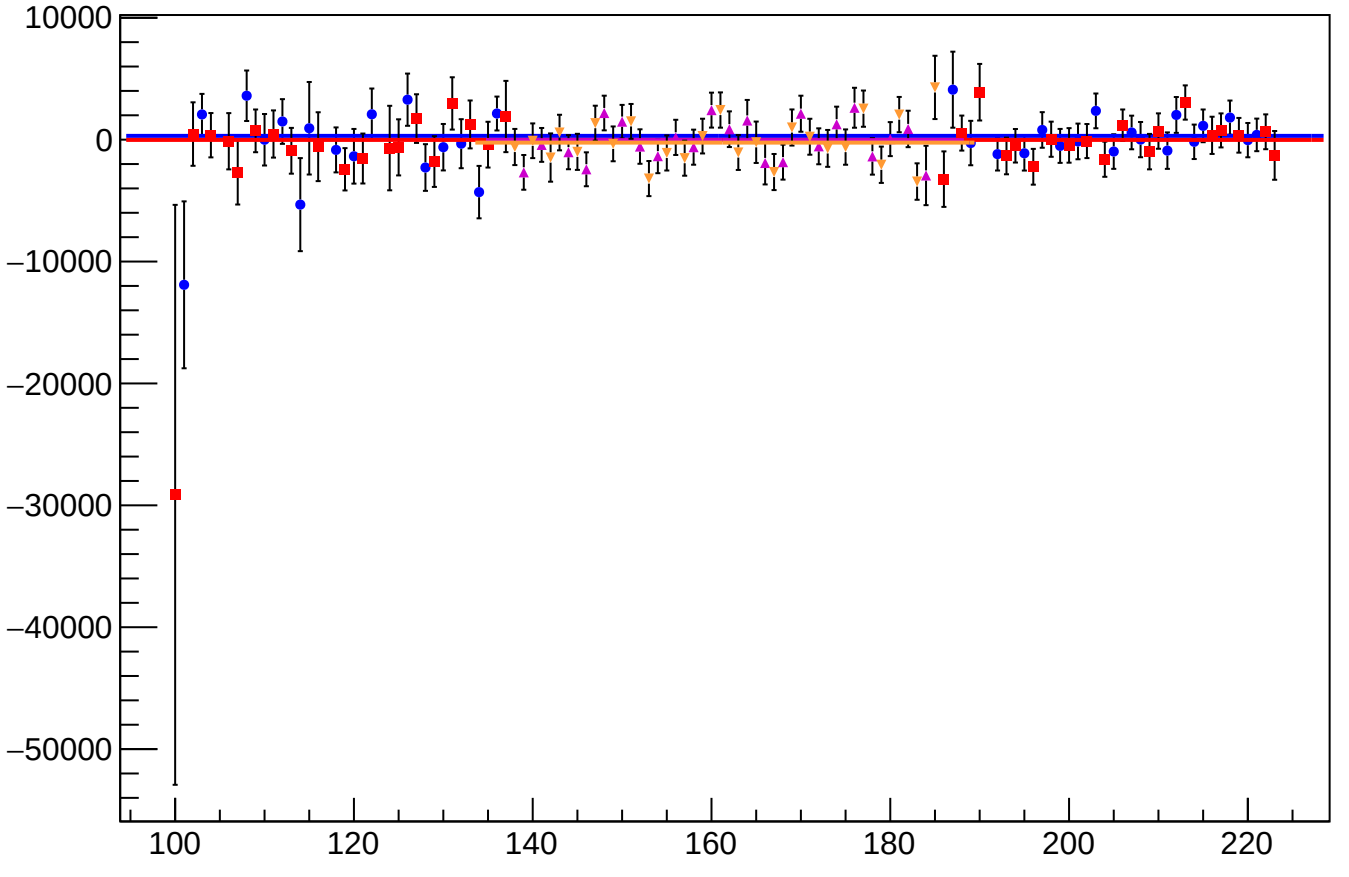
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 22867917.0/71

In: 0.000+/-0.000 χ^2/NDF:21560618.1/56

Out: 0.000+/-0.000 χ^2/NDF:24234379.7/62

All: 0.000+/-0.000 χ^2/NDF: 45812349.8/119



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

Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

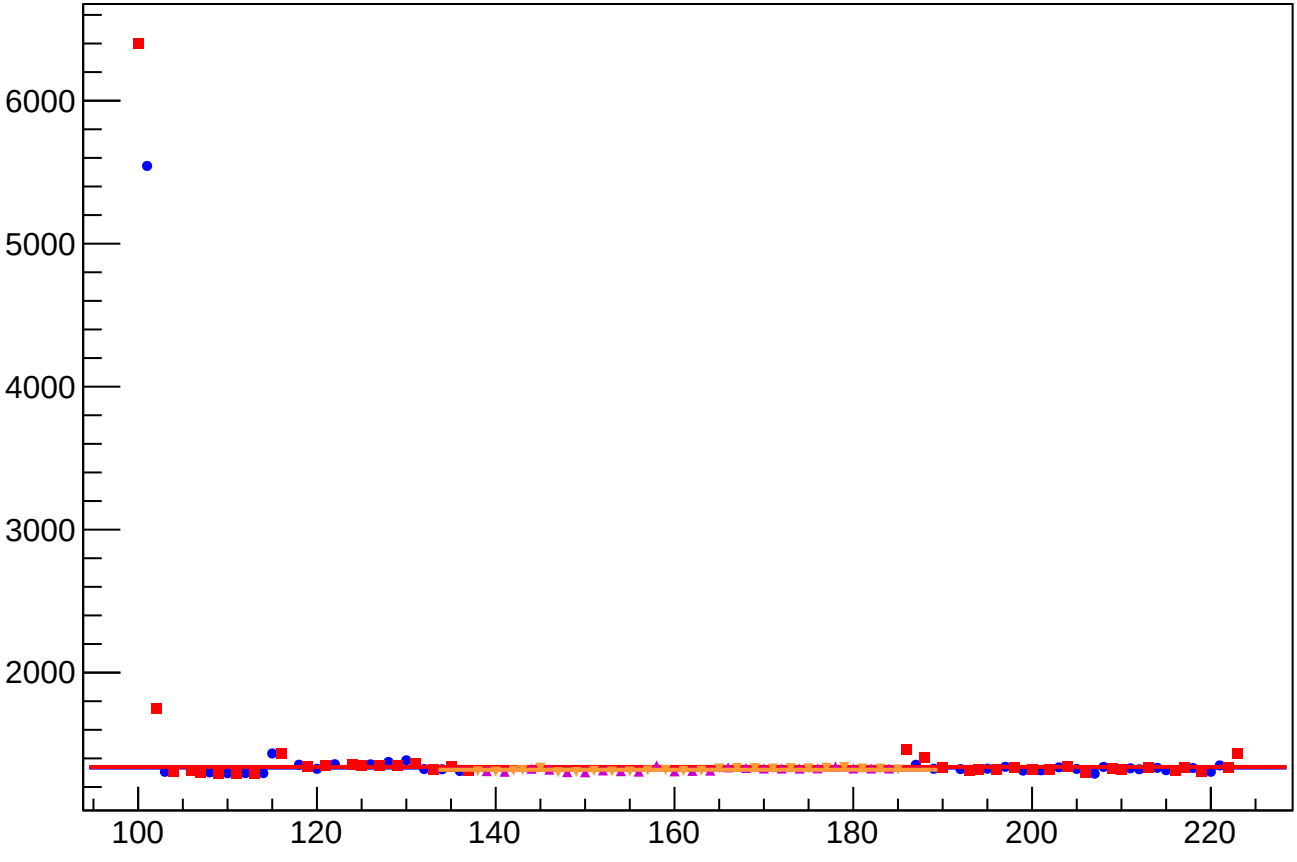
Right: 143.379+/-201.405 χ^2/NDF: 60.2/71

In: 148.872+/-210.029 χ^2/NDF:60.4/56

Out: -124.073+/-205.880 χ^2/NDF:58.9/62

All: 9.676+/-147.024 χ^2/NDF: 120.2/119

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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

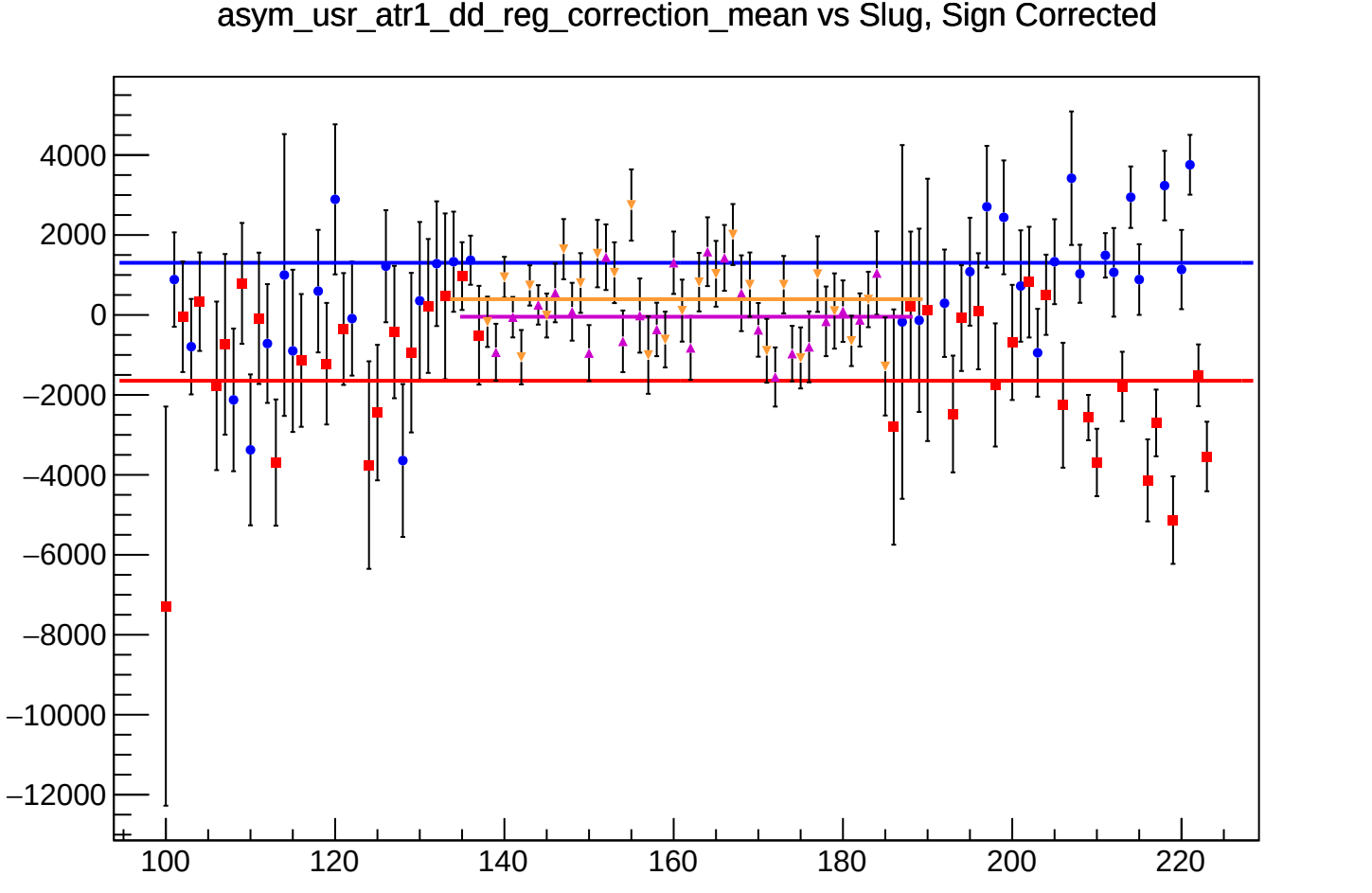
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.080+/-0.142 χ^2/NDF: 936302.4/71

In: 1329.249+/-0.149 χ^2/NDF:773956.1/56

Out: 1331.147+/-0.146 χ^2/NDF:174956.8/62

All: 1330.217+/-0.104 χ^2/NDF: 948996.2/119



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

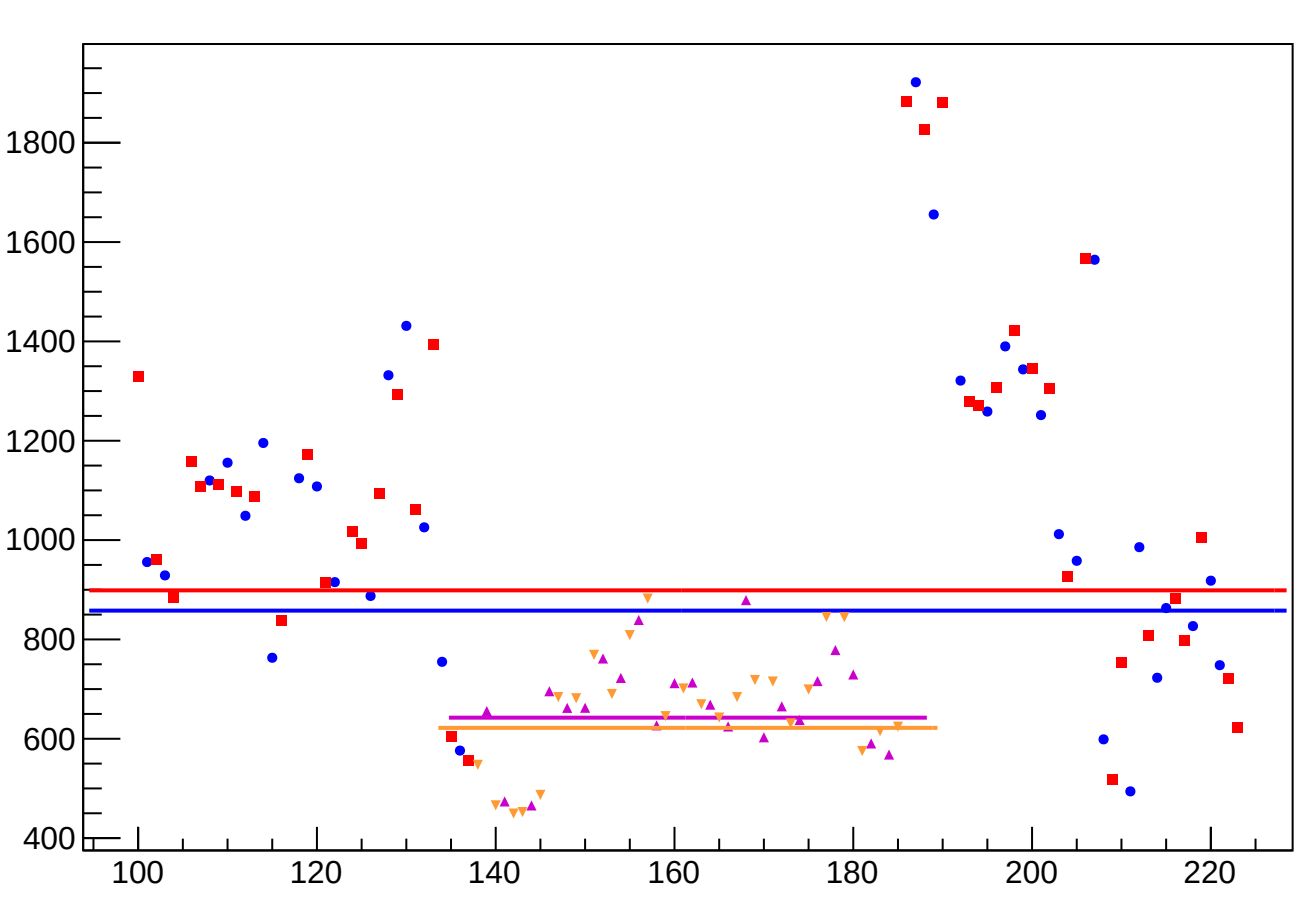
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -118.519+/-139.426 χ^2/NDF: 235.8/71

In: 470.691+/-119.760 χ^2/NDF:111.8/56

Out: -302.275+/-117.312 χ^2/NDF:179.6/62

All: 76.224+/-83.804 χ^2/NDF: 312.7/119



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

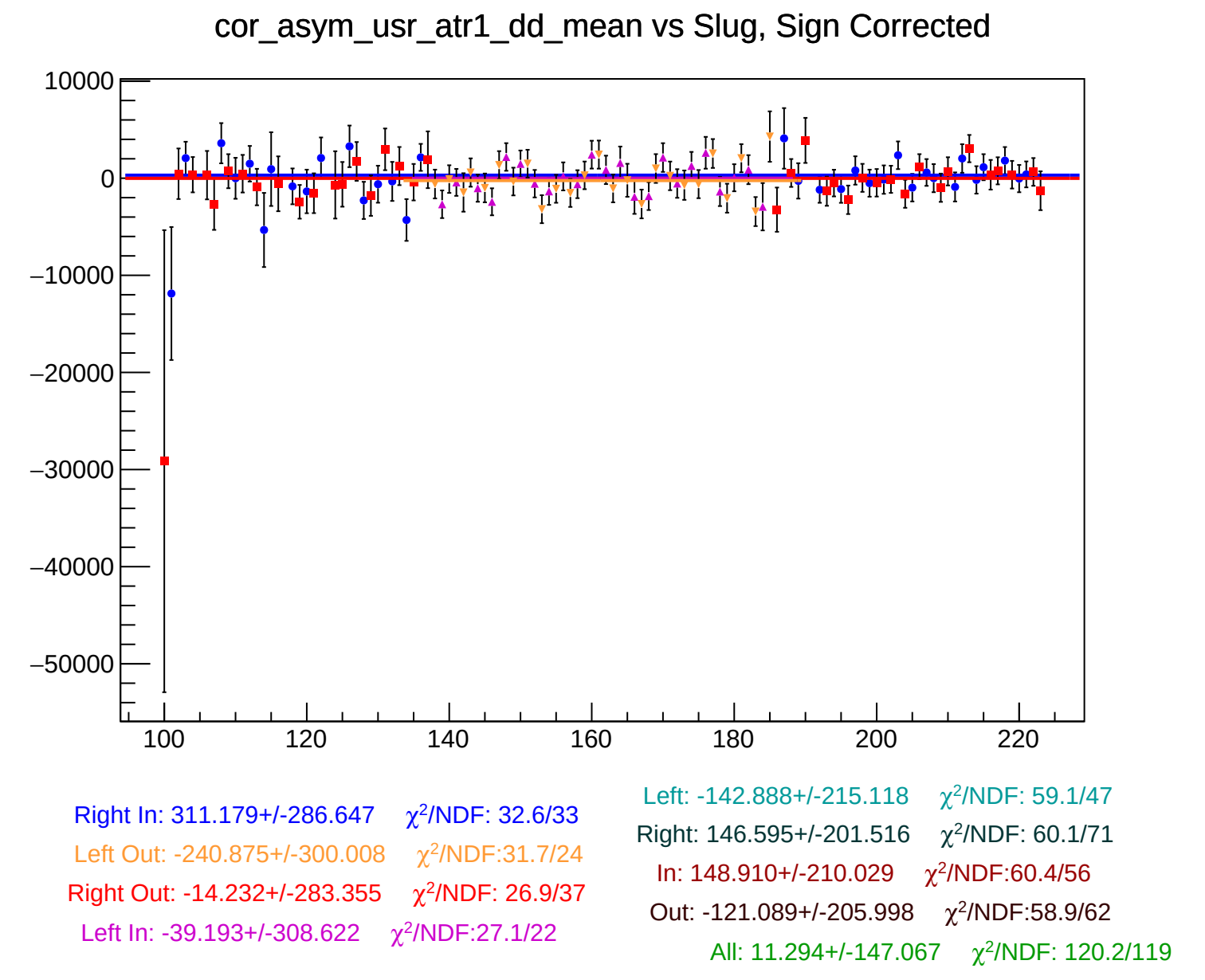
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 877.661+/-0.099 χ^2/NDF: 8666228.8/71

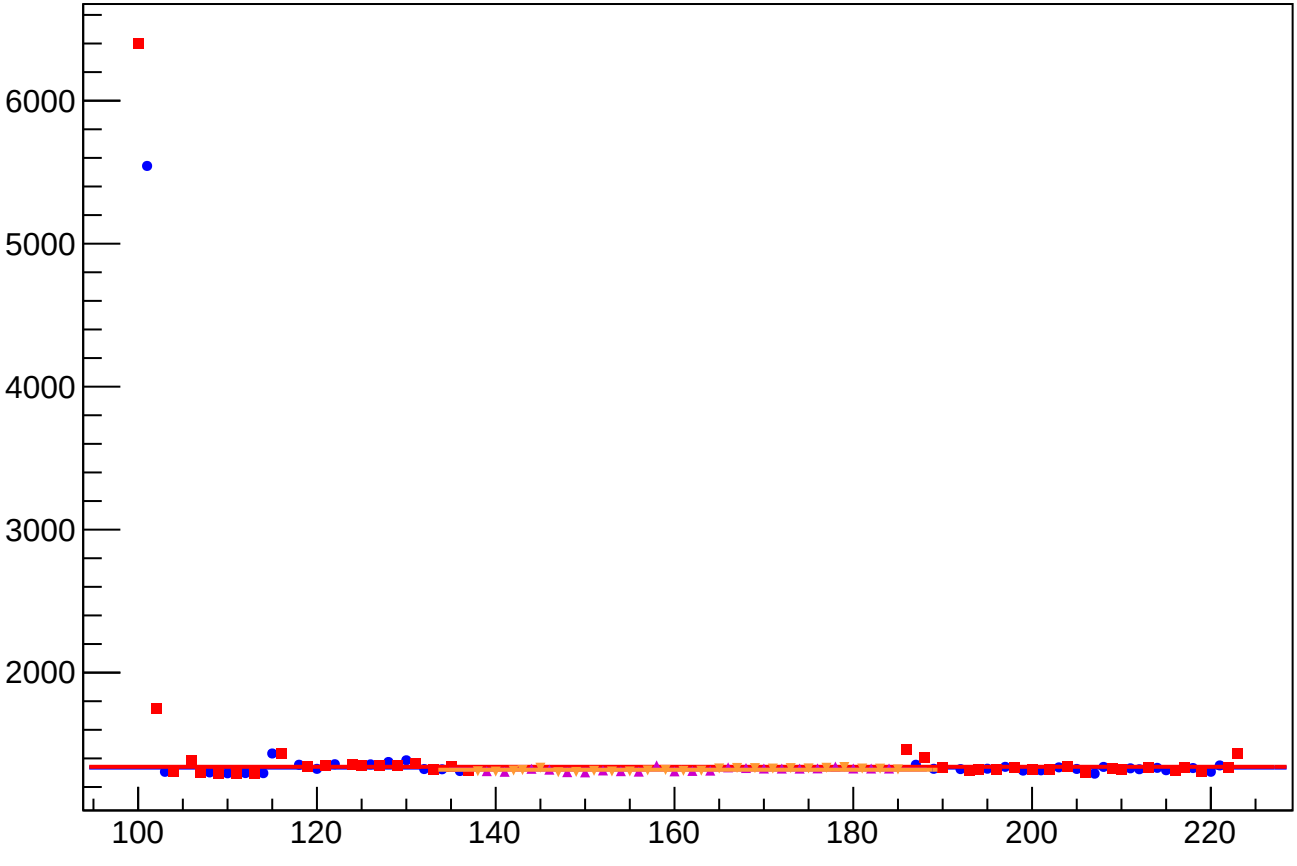
In: 724.781+/-0.085 χ^2/NDF:6550706.5/56

Out: 716.479+/-0.083 χ^2/NDF:8415819.9/62

All: 720.544+/-0.059 χ^2/NDF: 14971431.6/1


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 311.179+/-286.647 χ²/NDF: 32.6/33
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -14.232+/-283.355 χ²/NDF: 26.9/37
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 146.595+/-201.516 χ²/NDF: 60.1/71
In: 148.910+/-210.029 χ²/NDF:60.4/56
Out: -121.089+/-205.998 χ²/NDF:58.9/62
All: 11.294+/-147.067 χ²/NDF: 120.2/119

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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

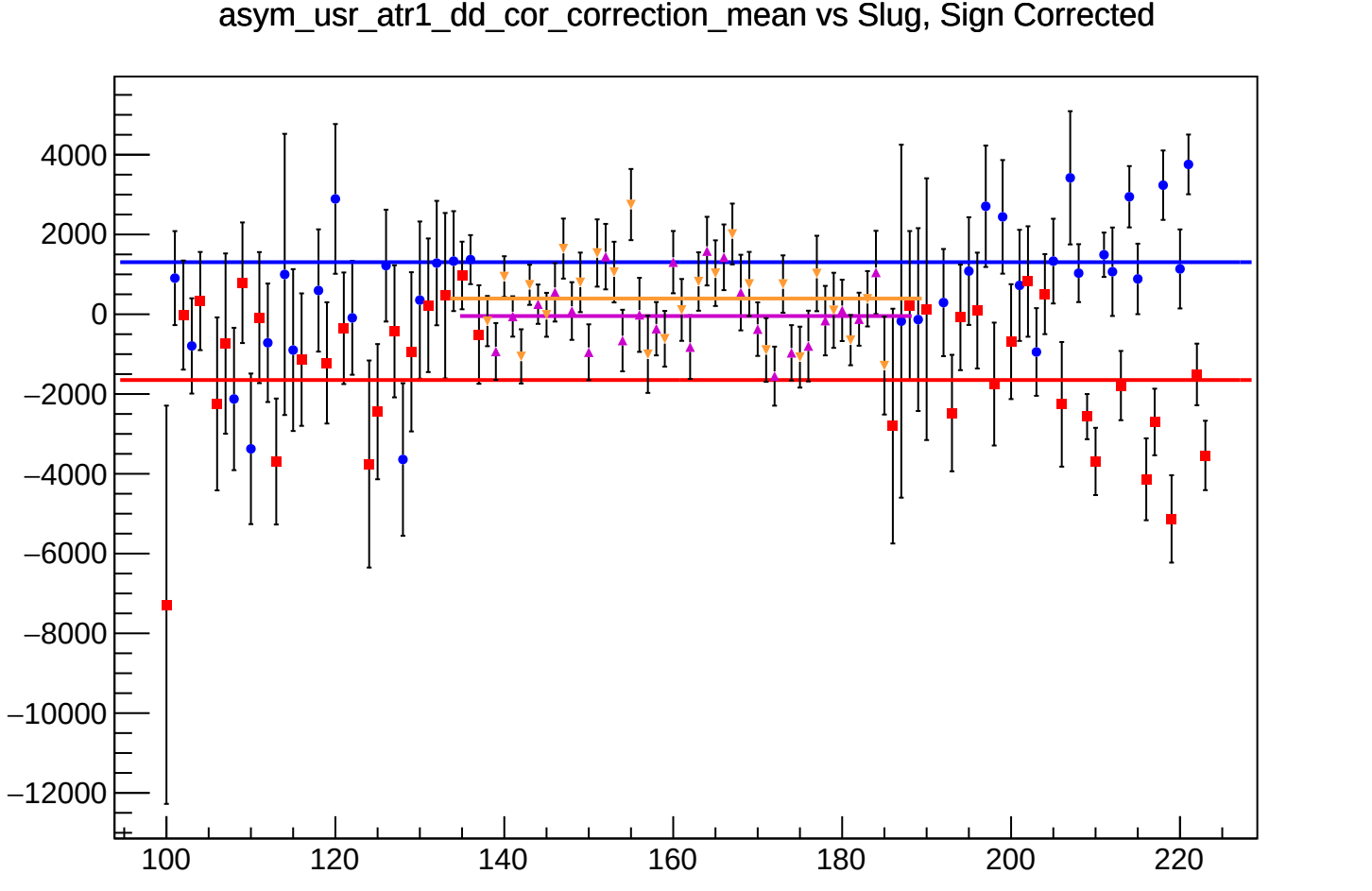
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.568+/-0.142 χ^2/NDF: 936956.8/71

In: 1329.249+/-0.149 χ^2/NDF:773955.1/56

Out: 1331.649+/-0.146 χ^2/NDF:175942.4/62

All: 1330.472+/-0.104 χ^2/NDF: 950030.5/119



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

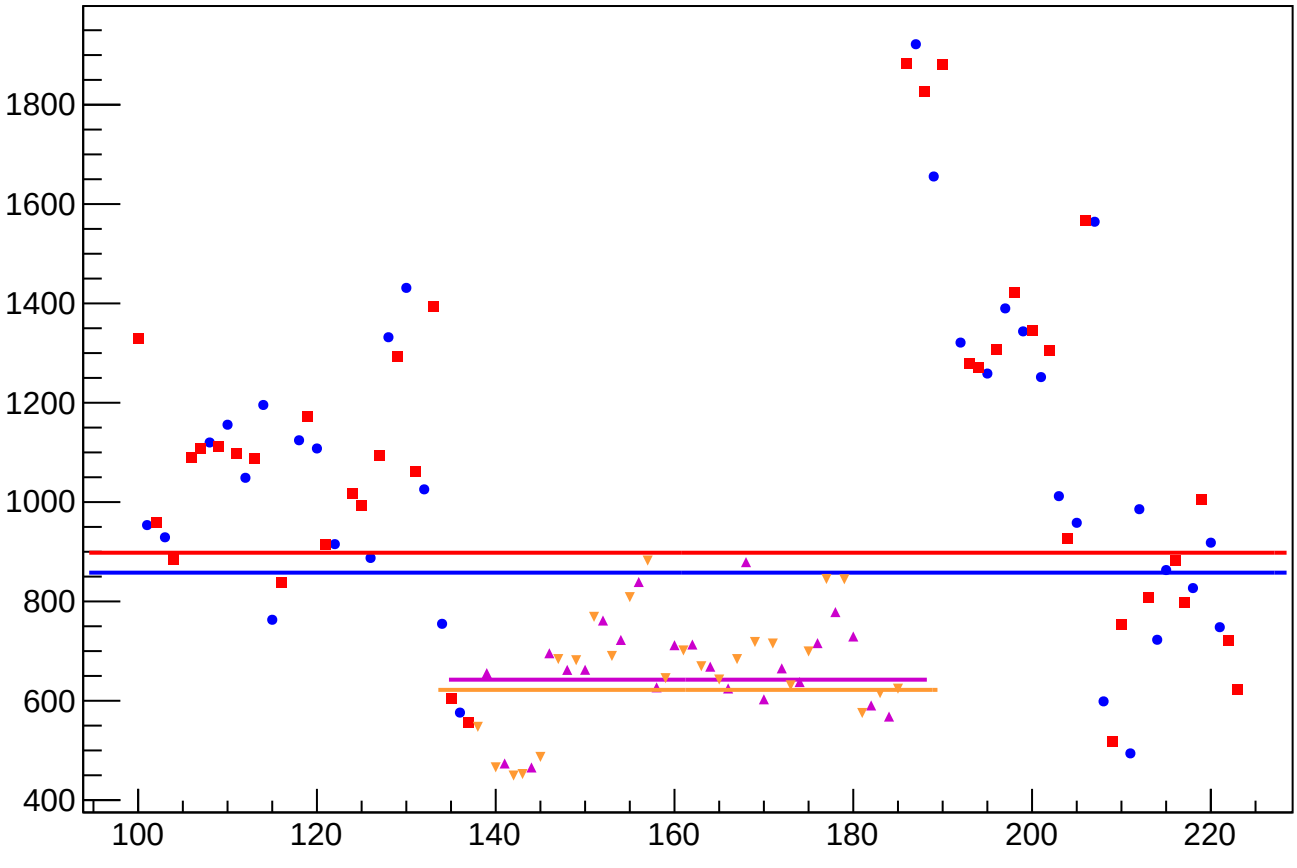
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -119.450+/-139.422 χ^2/NDF: 236.2/71

In: 470.937+/-119.757 χ^2/NDF:111.8/56

Out: -303.210+/-117.312 χ^2/NDF:179.9/62

All: 75.877+/-83.803 χ^2/NDF: 313.1/119



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

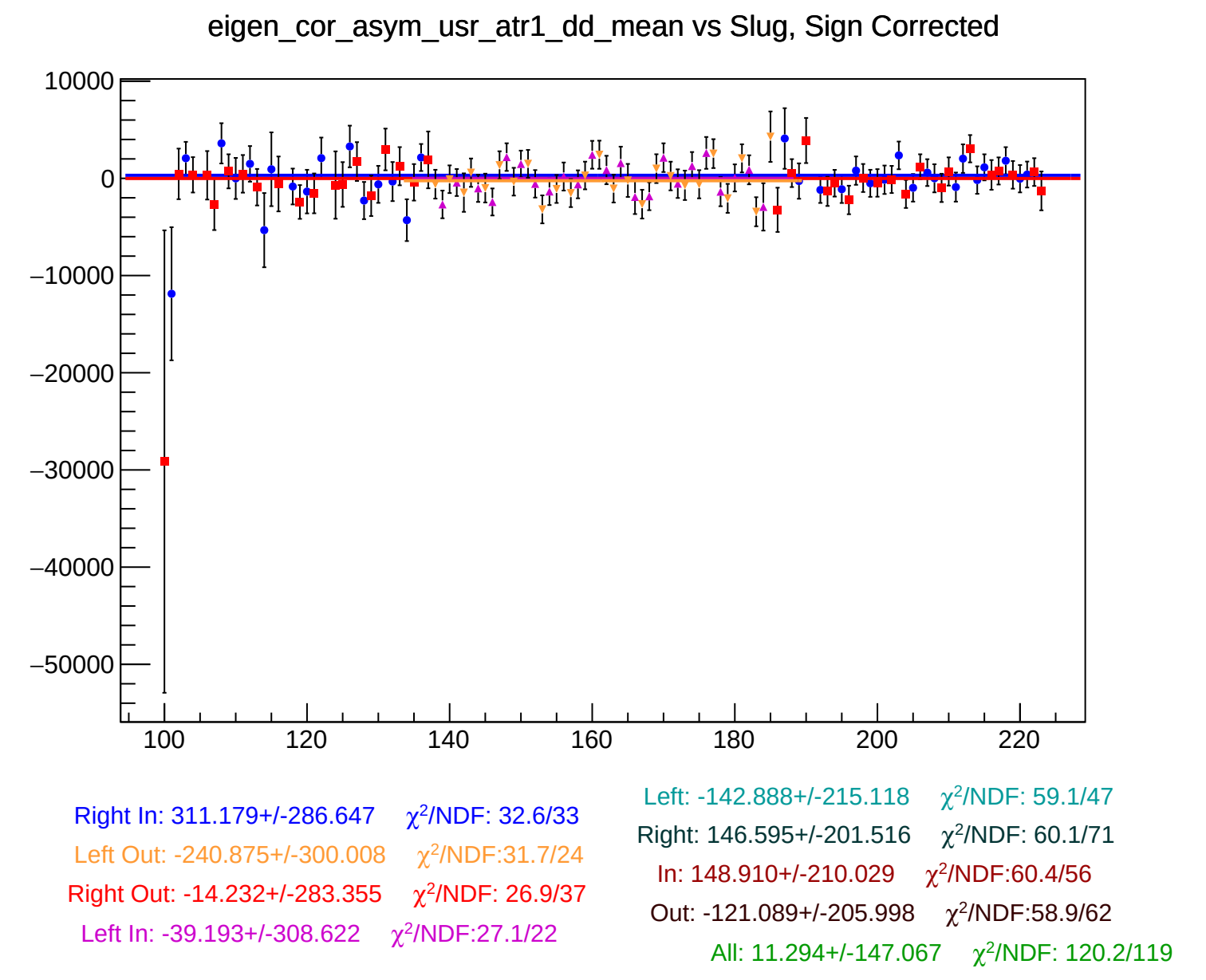
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

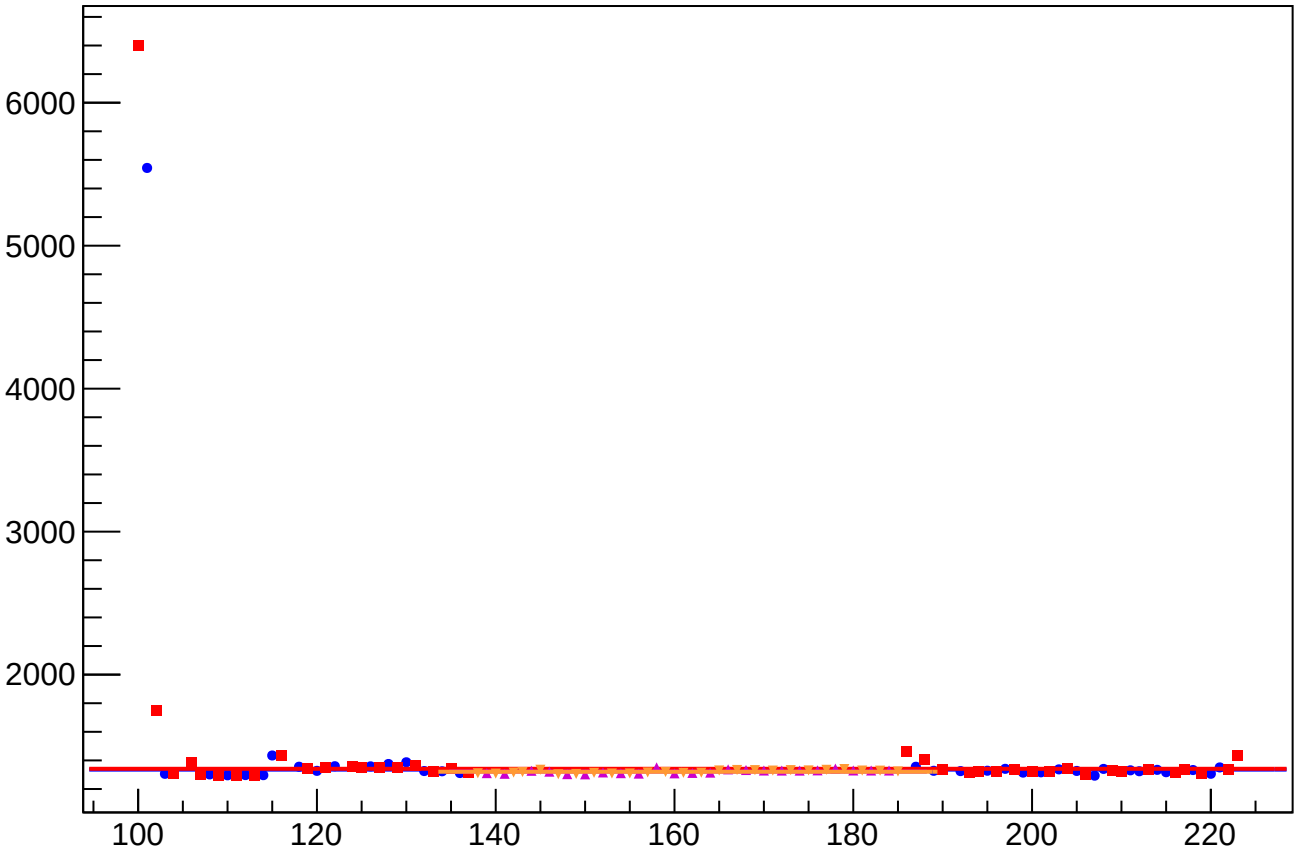
Right: 877.293+/-0.099 χ^2/NDF: 8649813.3/71

In: 724.767+/-0.085 χ^2/NDF:6549915.1/56

Out: 716.235+/-0.083 χ^2/NDF:8388204.7/62

All: 720.413+/-0.059 χ^2/NDF: 14943300.1/11


eigen_cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 311.179+/-286.647 χ²/NDF: 32.6/33
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -14.232+/-283.355 χ²/NDF: 26.9/37
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 146.595+/-201.516 χ²/NDF: 60.1/71
In: 148.910+/-210.029 χ²/NDF:60.4/56
Out: -121.089+/-205.998 χ²/NDF:58.9/62
All: 11.294+/-147.067 χ²/NDF: 120.2/119



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

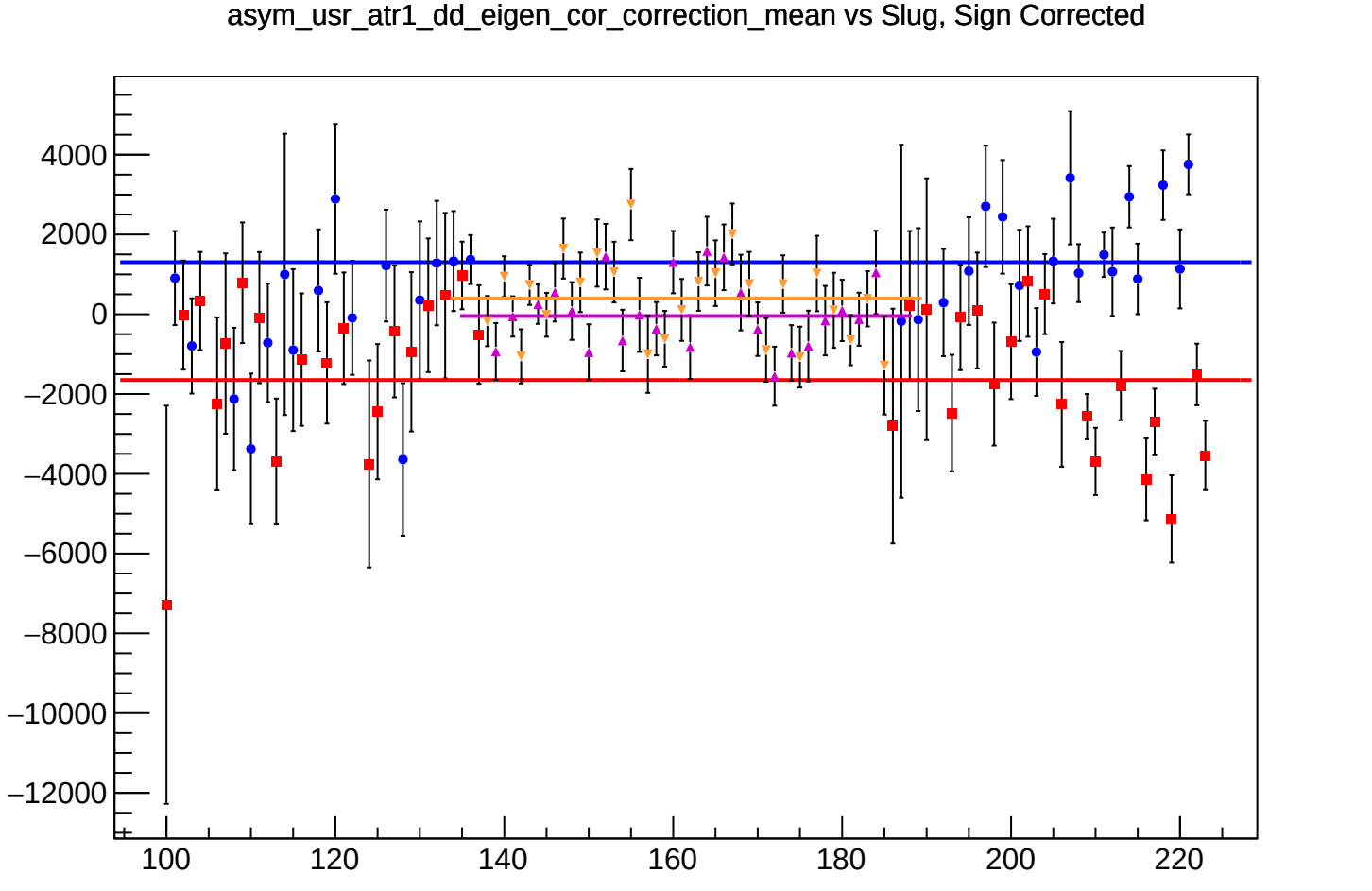
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.568+/-0.142 χ^2/NDF: 936956.8/71

In: 1329.249+/-0.149 χ^2/NDF:773955.1/56

Out: 1331.649+/-0.146 χ^2/NDF:175942.4/62

All: 1330.472+/-0.104 χ^2/NDF: 950030.5/119



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

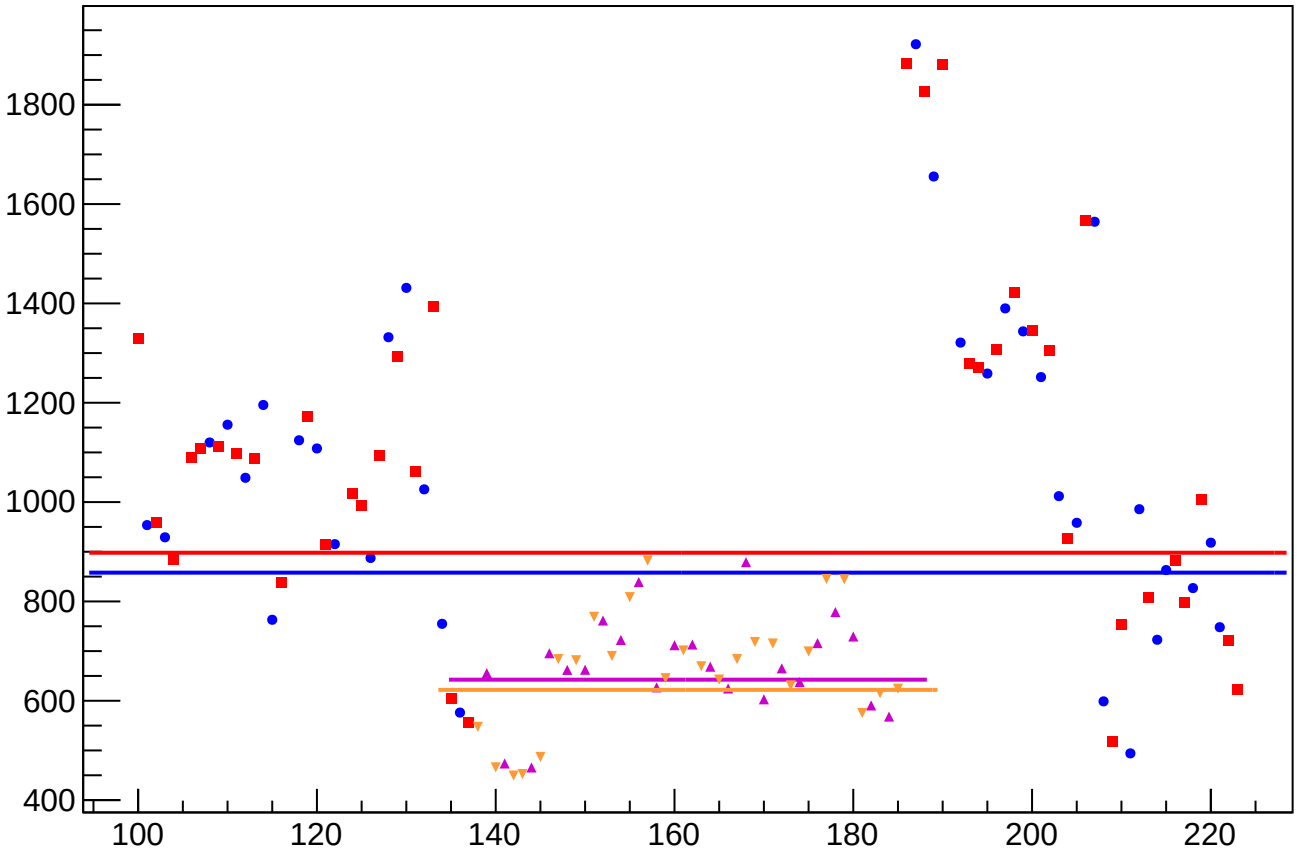
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -119.450+/-139.422 χ^2/NDF: 236.2/71

In: 470.937+/-119.757 χ^2/NDF:111.8/56

Out: -303.210+/-117.312 χ^2/NDF:179.9/62

All: 75.877+/-83.803 χ^2/NDF: 313.1/119



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

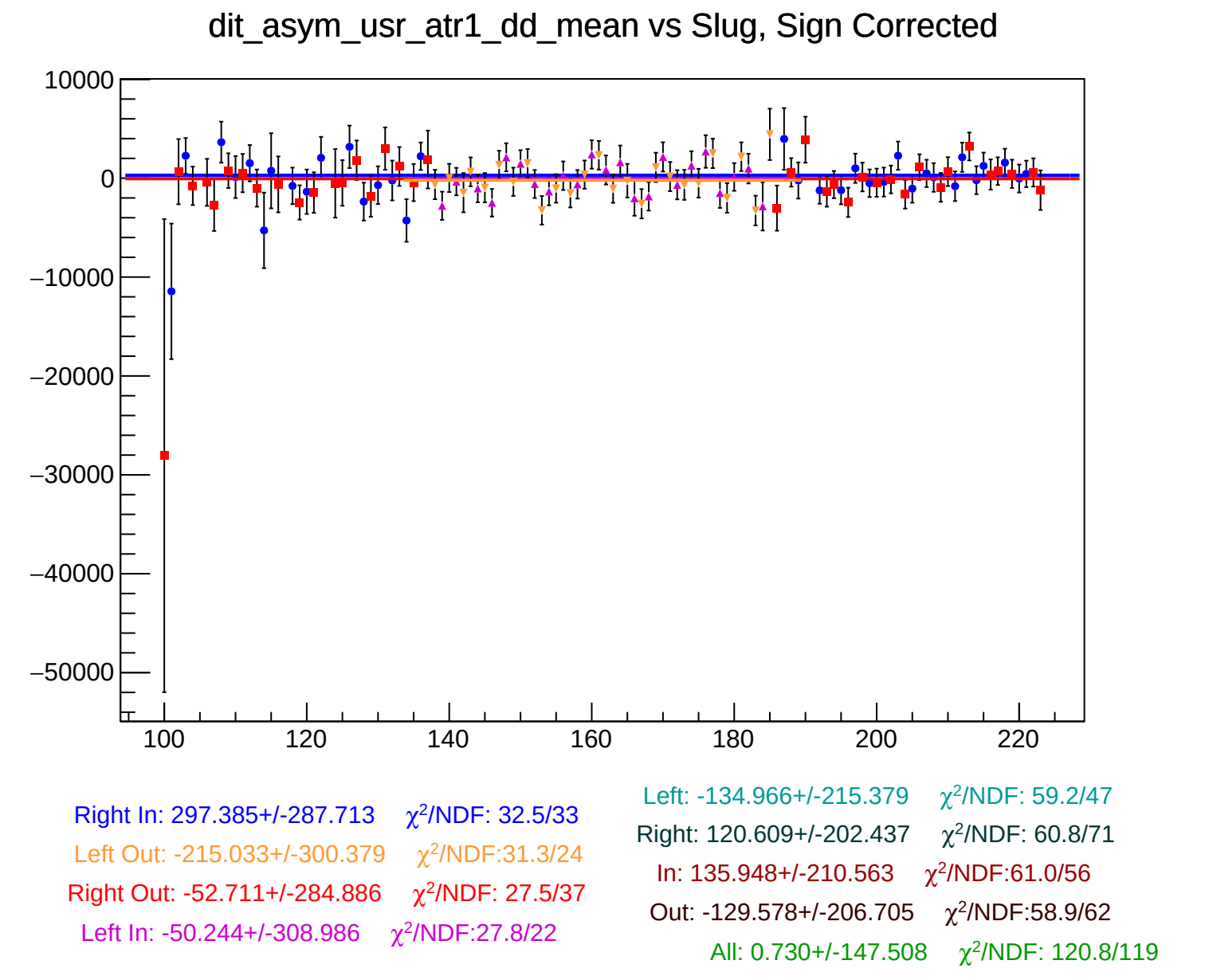
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 877.293+/-0.099 χ^2/NDF: 8649813.3/71

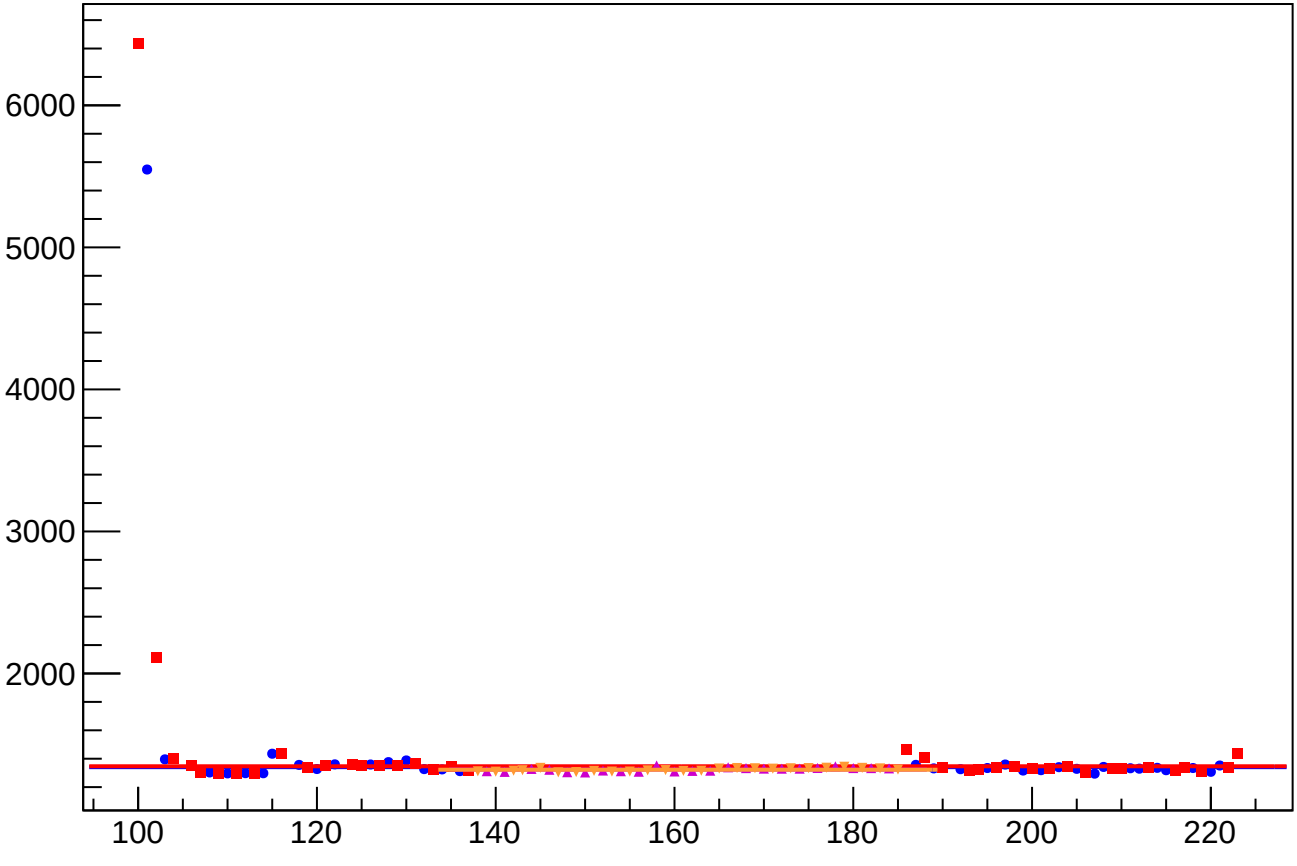
In: 724.767+/-0.085 χ^2/NDF:6549915.1/56

Out: 716.235+/-0.083 χ^2/NDF:8388204.7/62

All: 720.413+/-0.059 χ^2/NDF: 14943300.1/1


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 297.385+/-287.713 χ²/NDF: 32.5/33
Left Out: -215.033+/-300.379 χ²/NDF:31.3/24
Right Out: -52.711+/-284.886 χ²/NDF: 27.5/37
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.966+/-215.379 χ²/NDF: 59.2/47
Right: 120.609+/-202.437 χ²/NDF: 60.8/71
In: 135.948+/-210.563 χ²/NDF:61.0/56
Out: -129.578+/-206.705 χ²/NDF:58.9/62
All: 0.730+/-147.508 χ²/NDF: 120.8/119

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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

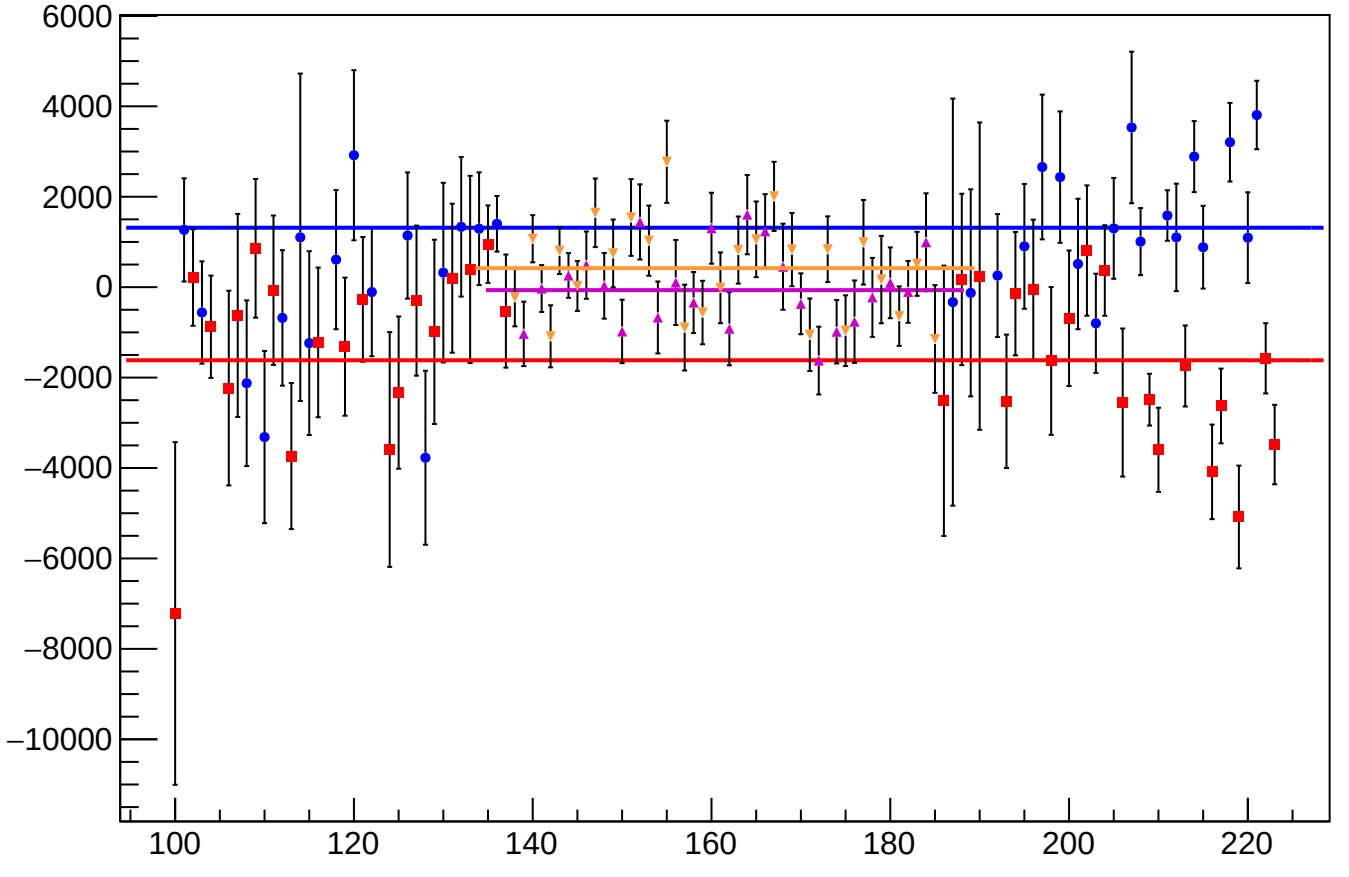
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1343.723+/-0.143 χ^2/NDF: 996346.2/71

In: 1332.596+/-0.149 χ^2/NDF:776612.7/56

Out: 1335.211+/-0.146 χ^2/NDF:236358.5/62

All: 1333.928+/-0.104 χ^2/NDF: 1013128.4/11



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

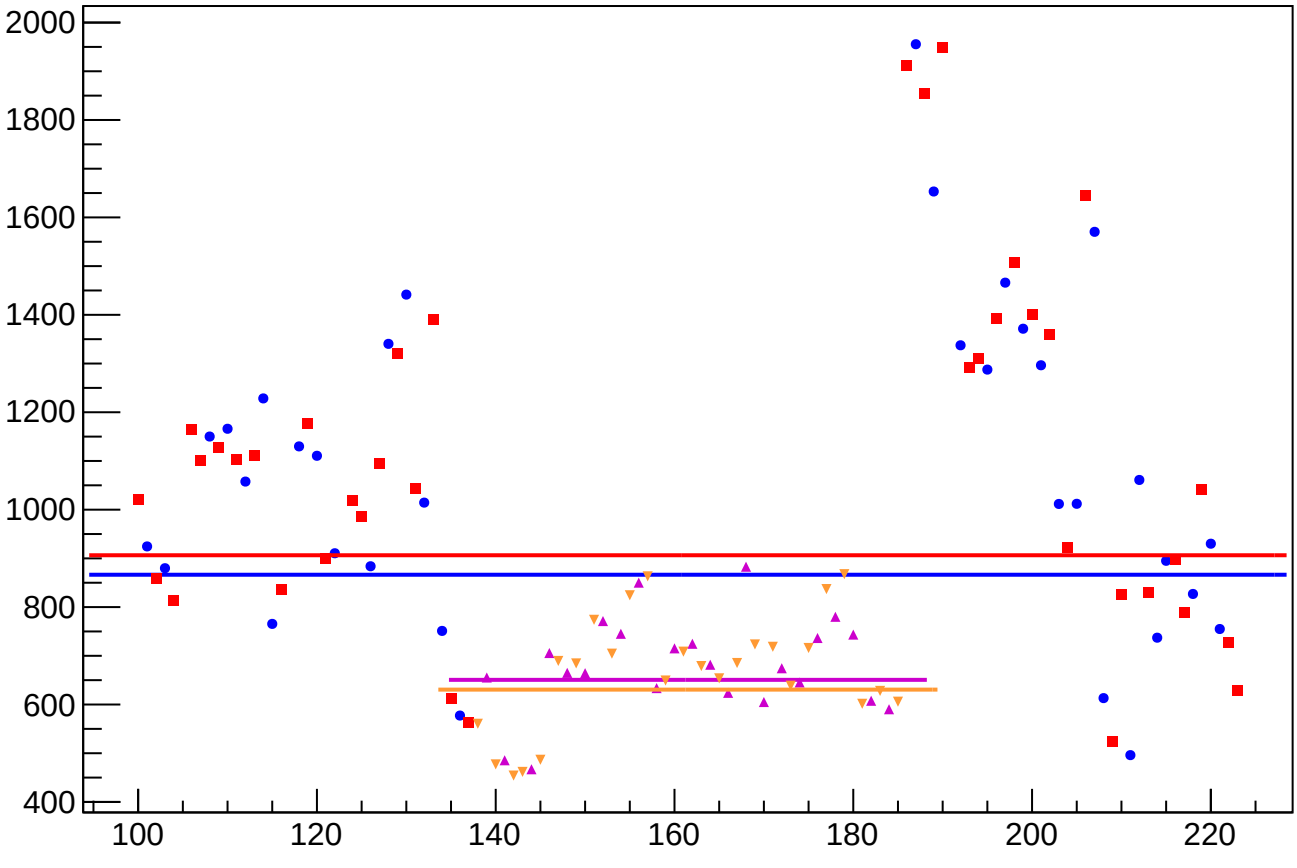
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -104.674+/-140.656 χ^2/NDF: 226.4/71

In: 462.910+/-121.163 χ^2/NDF:111.1/56

Out: -281.148+/-118.590 χ^2/NDF:172.7/62

All: 82.896+/-84.751 χ^2/NDF: 303.0/119



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

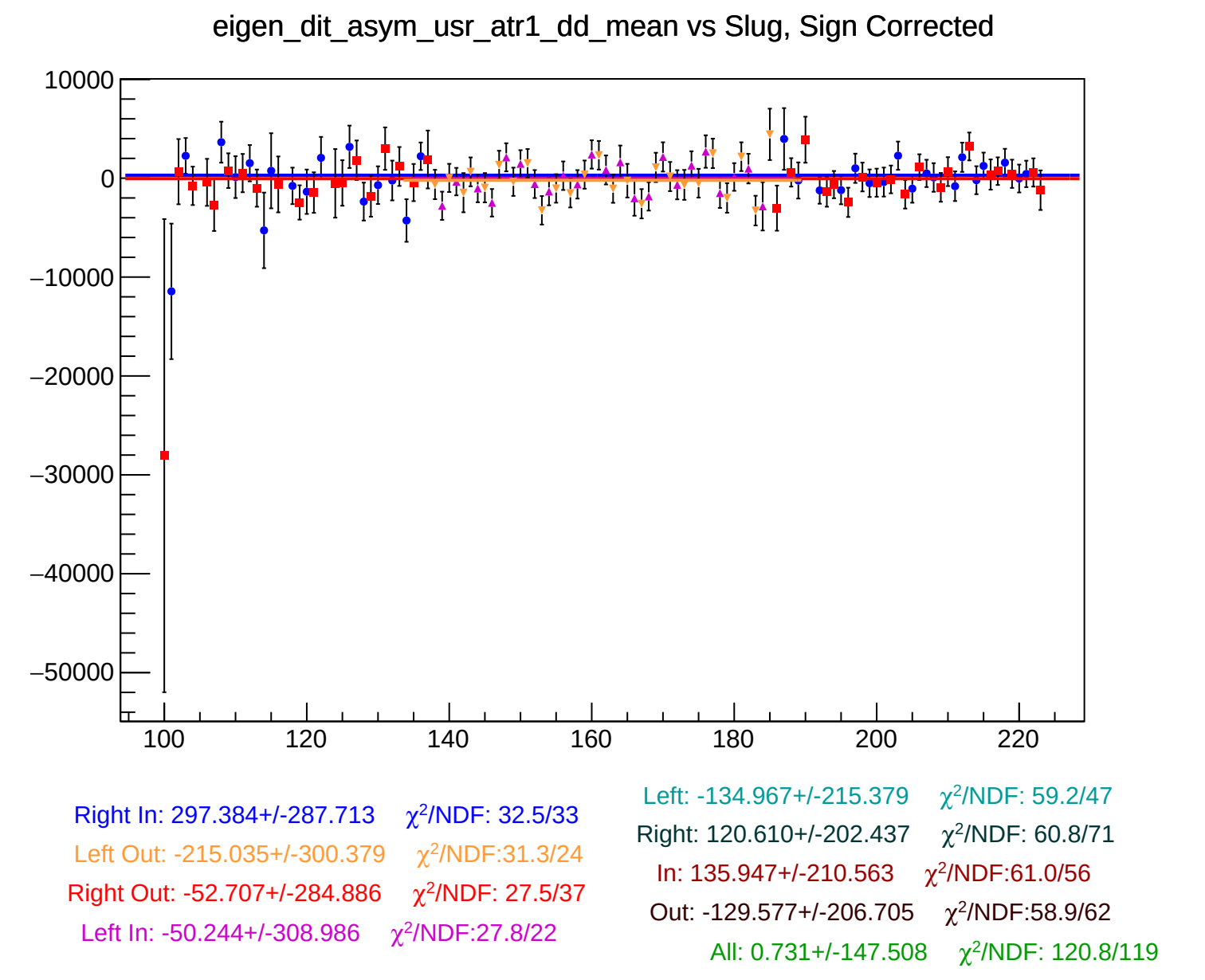
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

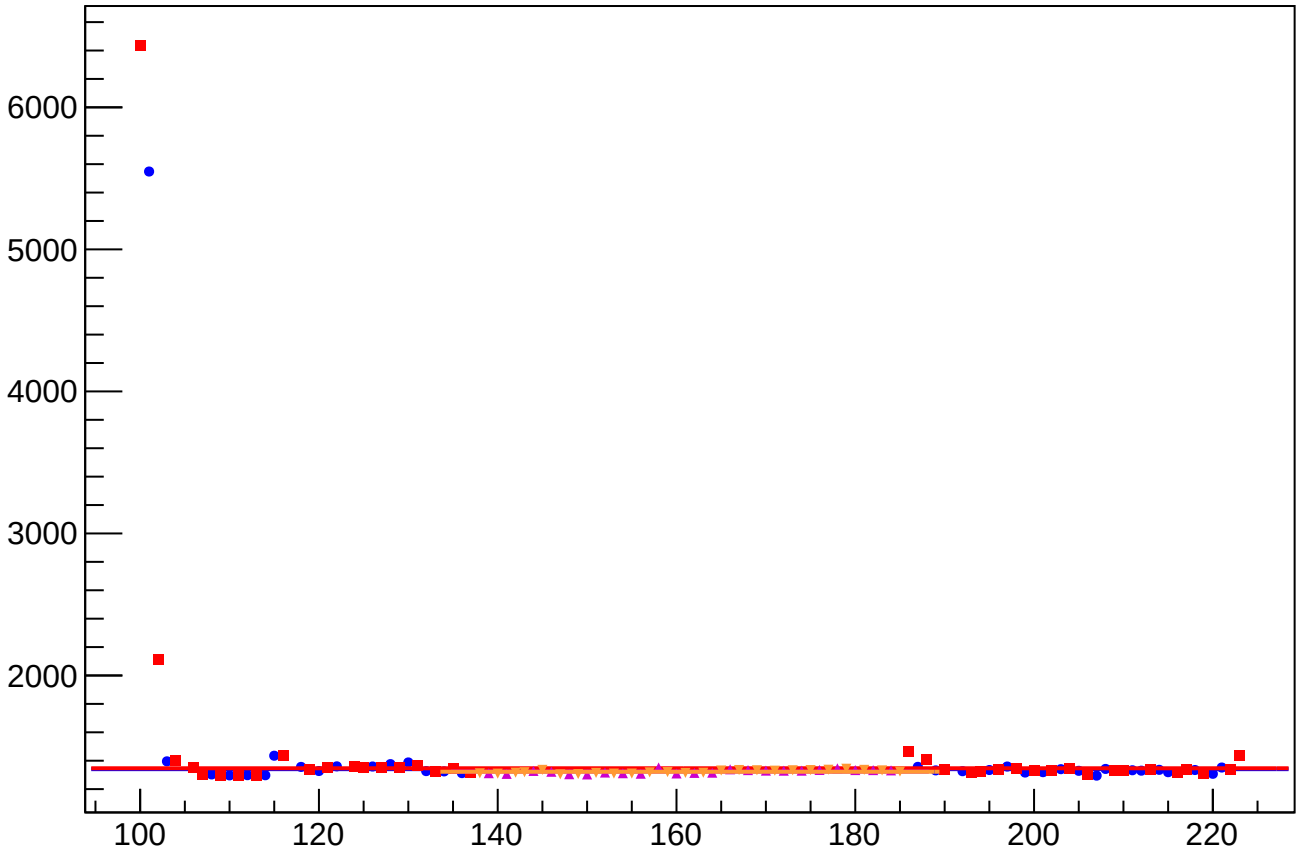
Right: 885.794+/-0.099 χ^2/NDF: 8918121.6/71

In: 733.237+/-0.086 χ^2/NDF:6619587.7/56

Out: 725.523+/-0.084 χ^2/NDF:8449884.4/62

All: 729.297+/-0.060 χ^2/NDF: 15073611.7/1


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 297.384+/-287.713 χ²/NDF: 32.5/33
Left Out: -215.035+/-300.379 χ²/NDF:31.3/24
Right Out: -52.707+/-284.886 χ²/NDF: 27.5/37
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.967+/-215.379 χ²/NDF: 59.2/47
Right: 120.610+/-202.437 χ²/NDF: 60.8/71
In: 135.947+/-210.563 χ²/NDF:61.0/56
Out: -129.577+/-206.705 χ²/NDF:58.9/62
All: 0.731+/-147.508 χ²/NDF: 120.8/119



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

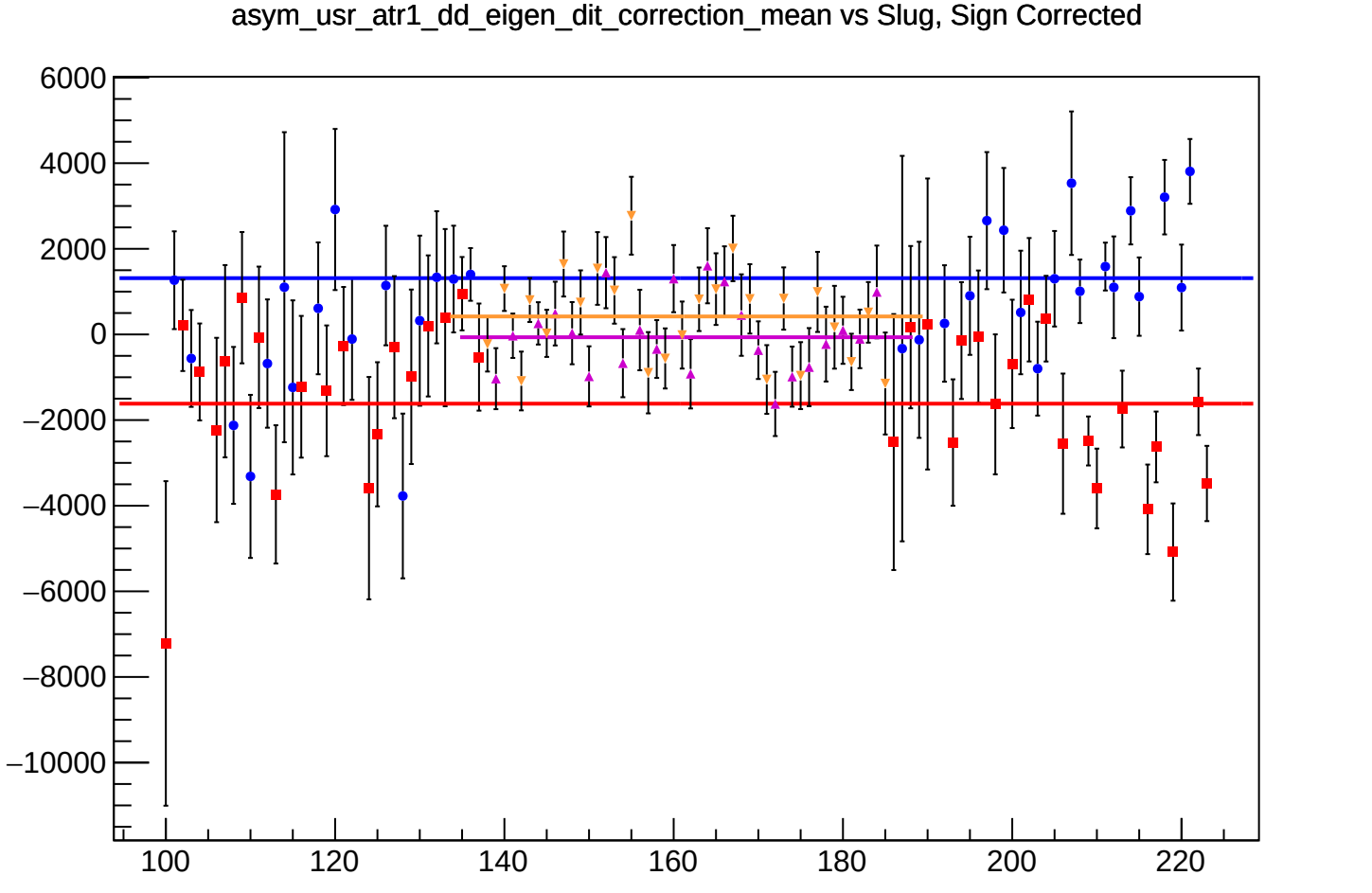
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1343.723+/-0.143 χ^2/NDF: 996346.1/71

In: 1332.596+/-0.149 χ^2/NDF:776612.6/56

Out: 1335.211+/-0.146 χ^2/NDF:236358.4/62

All: 1333.928+/-0.104 χ^2/NDF: 1013128.3/11



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

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

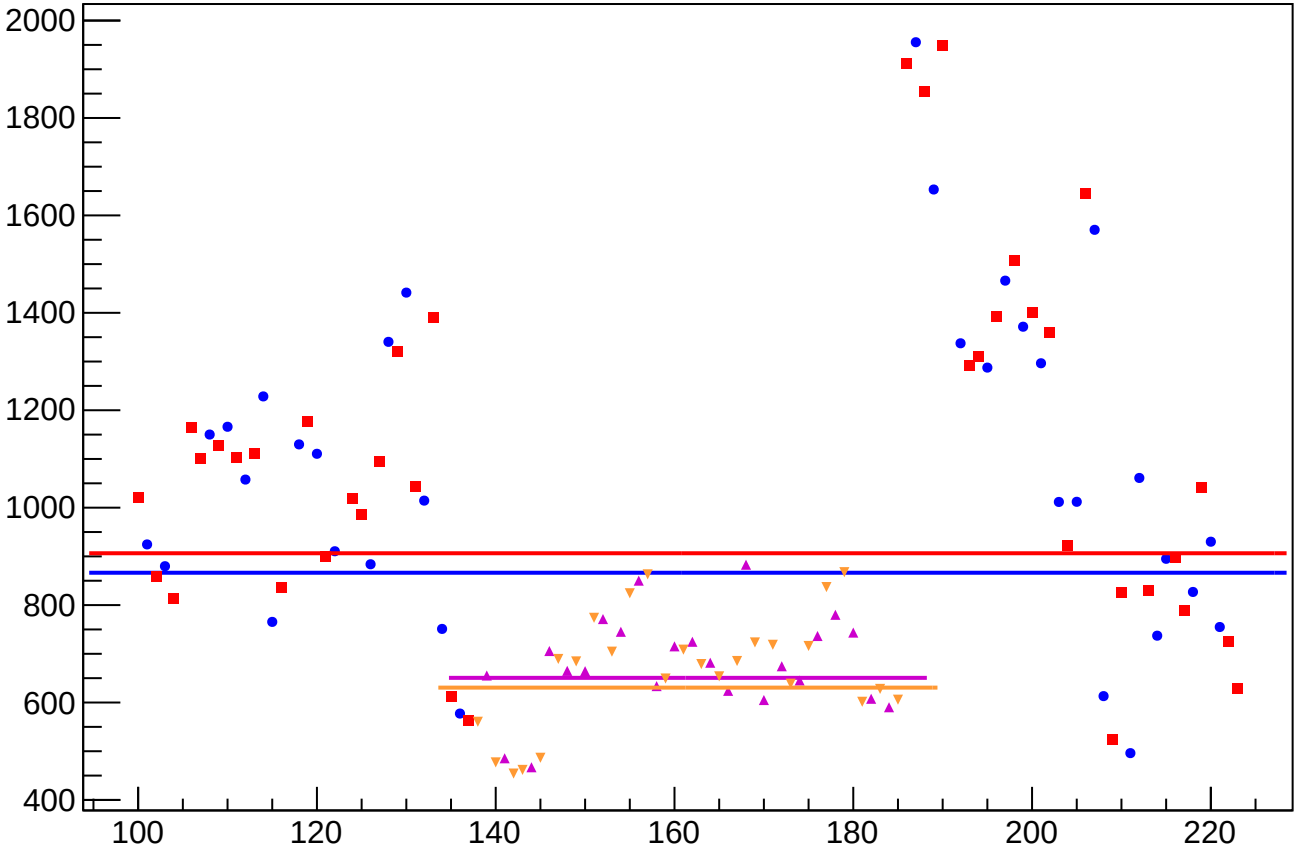
Right: -104.676+/-140.656 χ^2/NDF: 226.4/71

In: 462.911+/-121.163 χ^2/NDF:111.1/56

Out: -281.150+/-118.590 χ^2/NDF:172.7/62

All: 82.896+/-84.751 χ^2/NDF: 303.0/119

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

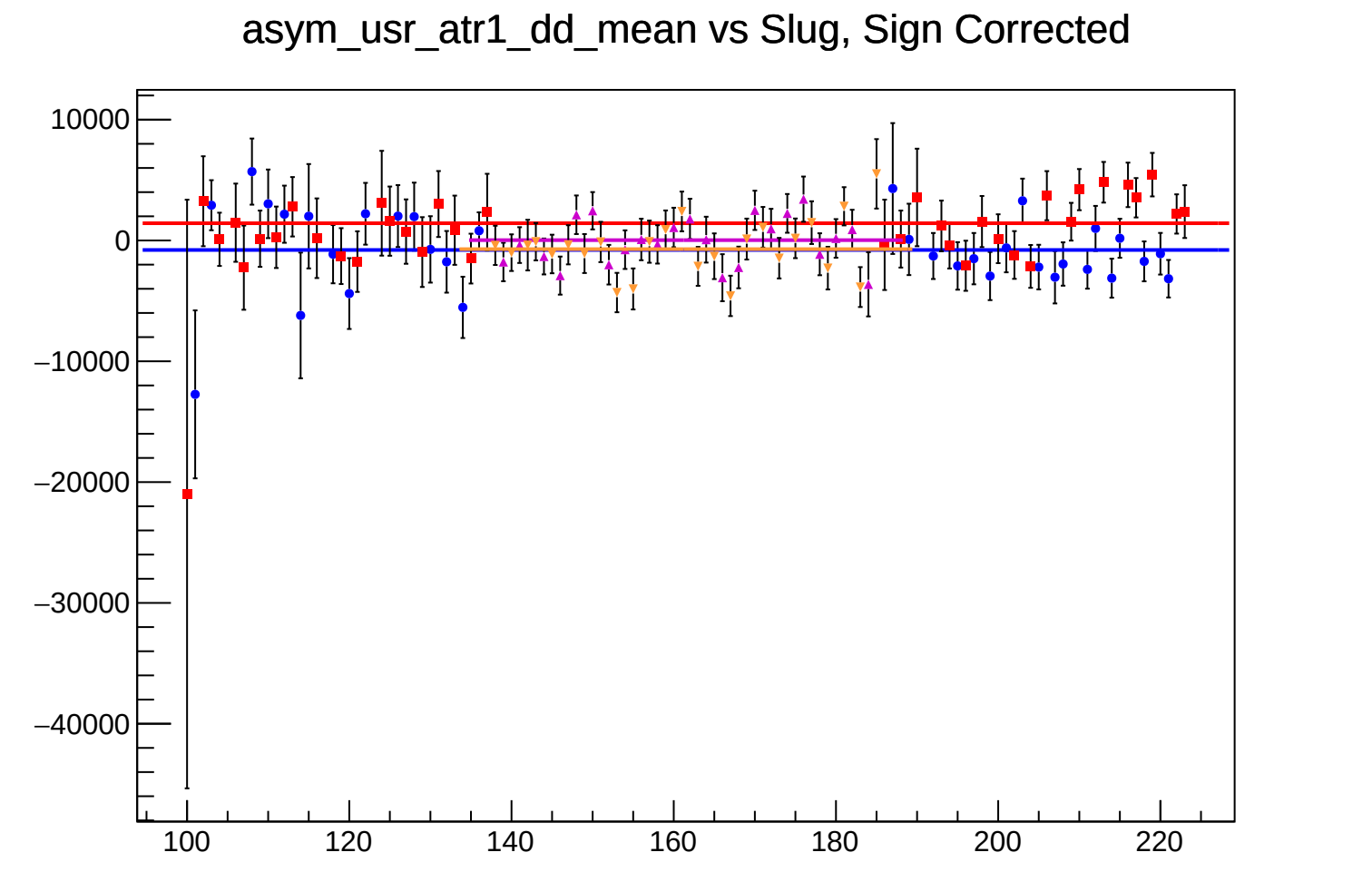
Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

Right: 885.793+/-0.099 χ^2/NDF: 8918131.9/71

In: 733.237+/-0.086 χ^2/NDF:6619564.0/56

Out: 725.524+/-0.084 χ^2/NDF:8449880.8/62

All: 729.298+/-0.060 χ^2/NDF: 15073584.9/1



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

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

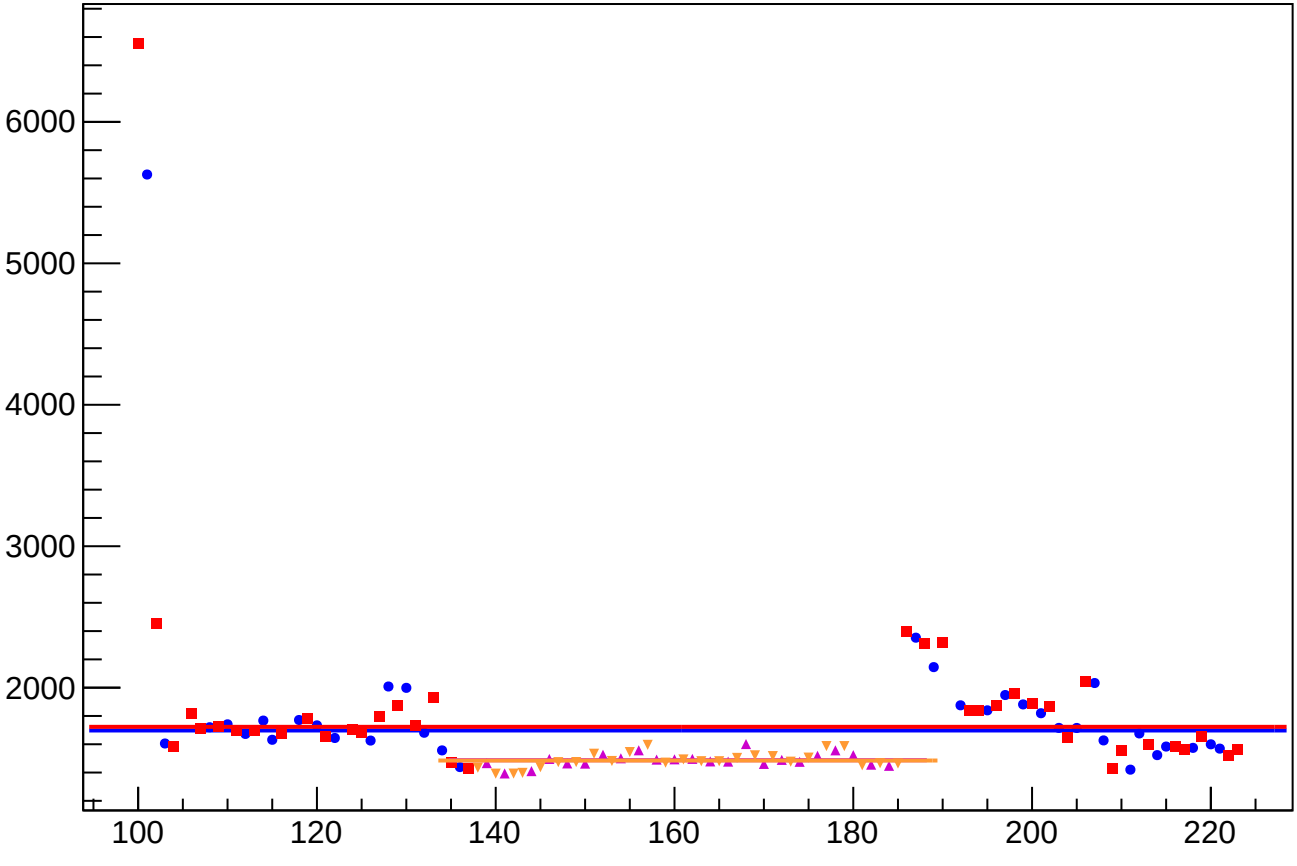
Right: 317.970+/-259.183 χ^2/NDF: 100.4/71

In: -358.221+/-252.062 χ^2/NDF:73.9/56

Out: 265.091+/-248.396 χ^2/NDF:95.0/62

All: -41.999+/-176.924 χ^2/NDF: 172.1/119

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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

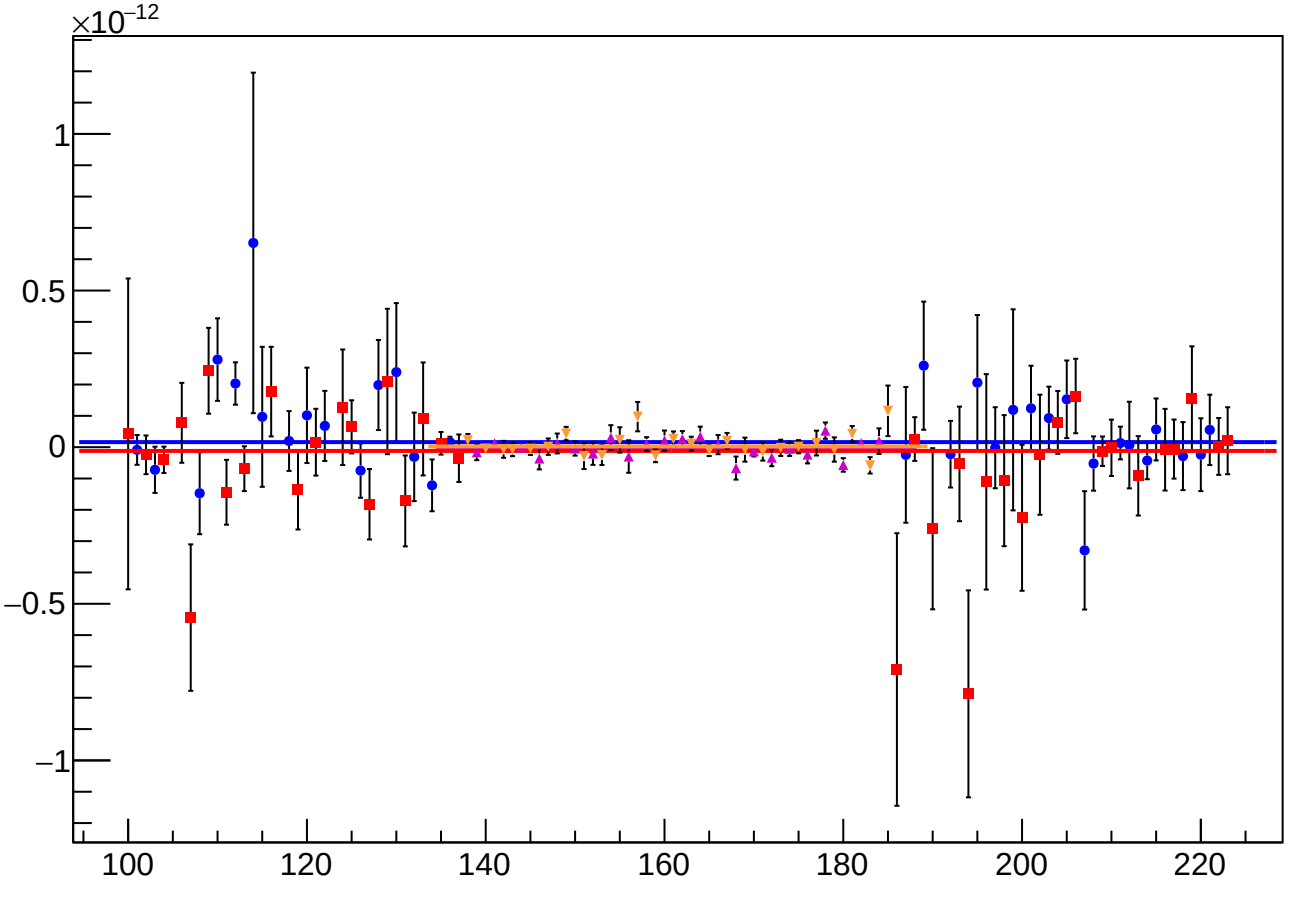
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1710.225+/-0.183 χ^2/NDF: 1869327.3/71

In: 1586.685+/-0.178 χ^2/NDF:1475505.8/56

Out: 1594.177+/-0.176 χ^2/NDF:1278017.4/62

All: 1590.486+/-0.125 χ^2/NDF: 2754419.7/11



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

Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

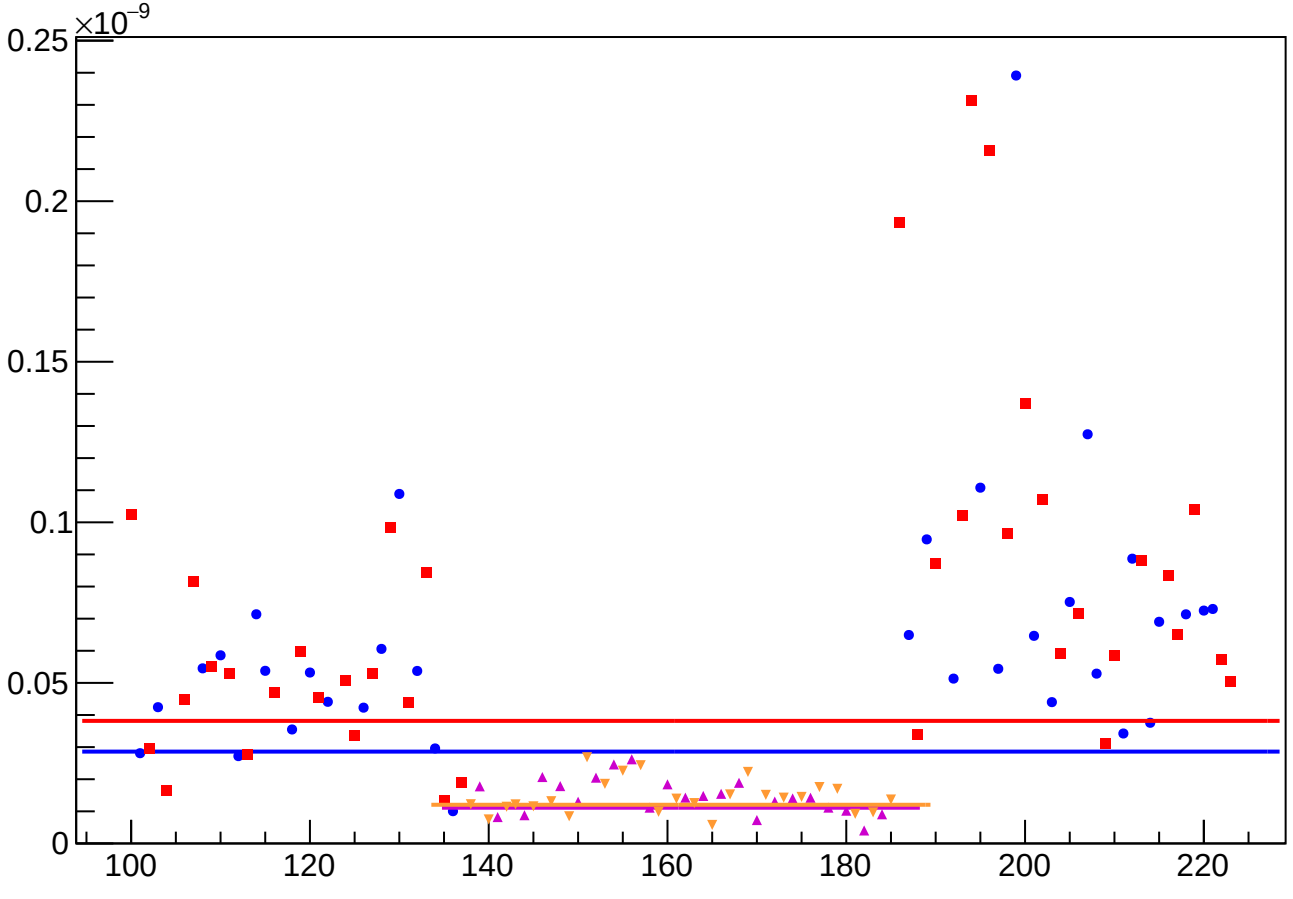
Right: 0.000+/-0.000 χ^2/NDF: 72.4/71

In: 0.000+/-0.000 χ^2/NDF:60.5/56

Out: 0.000+/-0.000 χ^2/NDF:62.6/62

All: 0.000+/-0.000 χ^2/NDF: 123.1/119

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

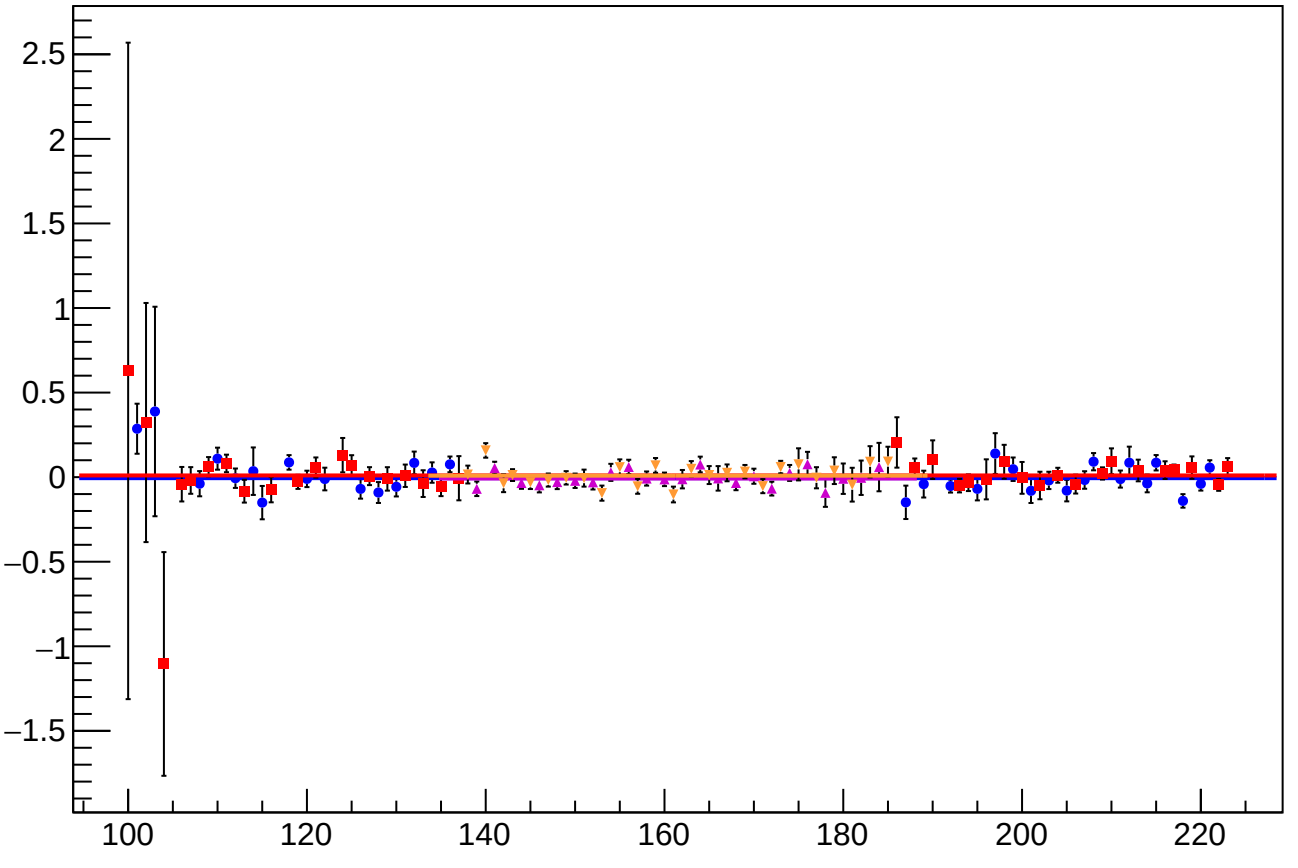
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14391477.9/71

In: 0.000+/-0.000 χ^2/NDF:13187827.5/56

Out: 0.000+/-0.000 χ^2/NDF:13210265.4/62

All: 0.000+/-0.000 χ^2/NDF: 26456392.9/119



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

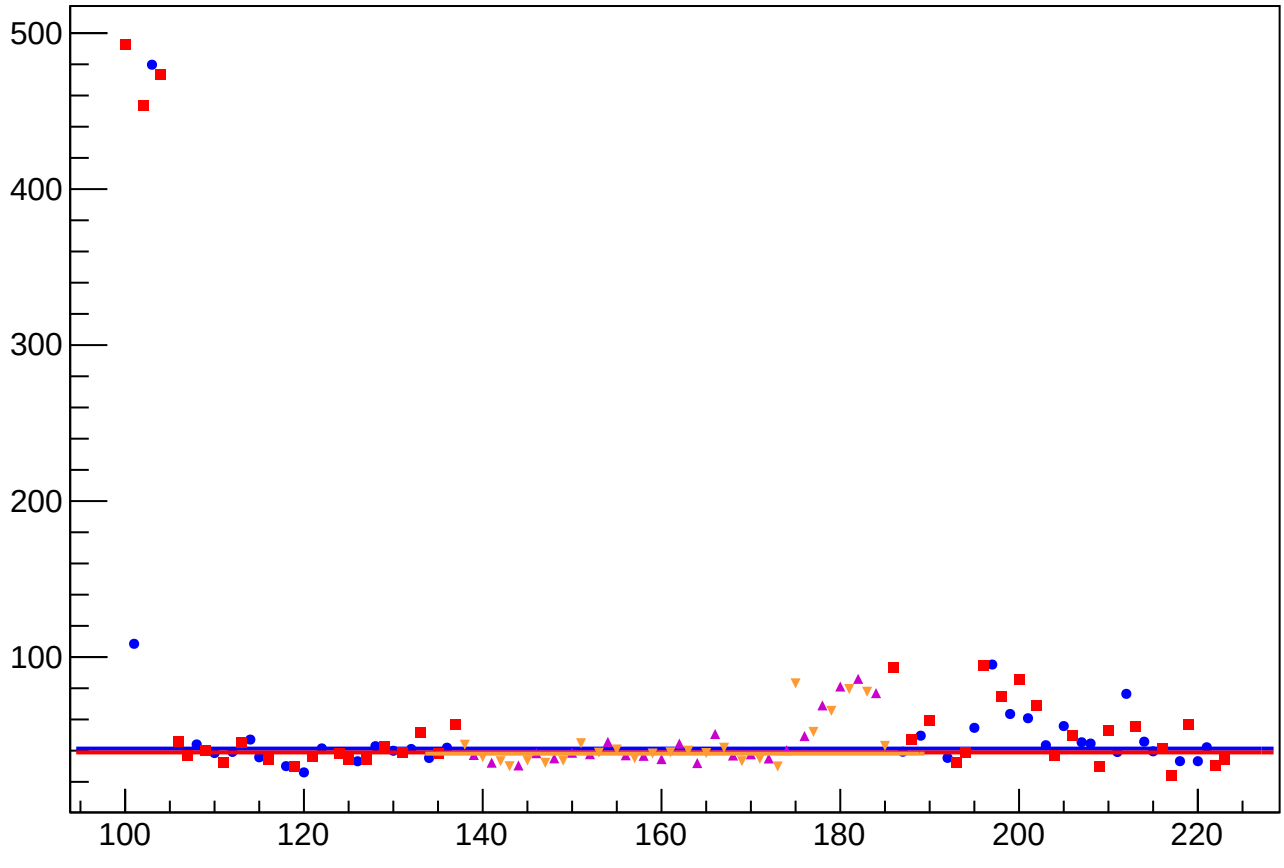
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.007 χ^2/NDF: 87.6/71

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.009+/-0.007 χ^2/NDF:69.0/62

All: 0.002+/-0.005 χ^2/NDF: 146.6/119



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

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

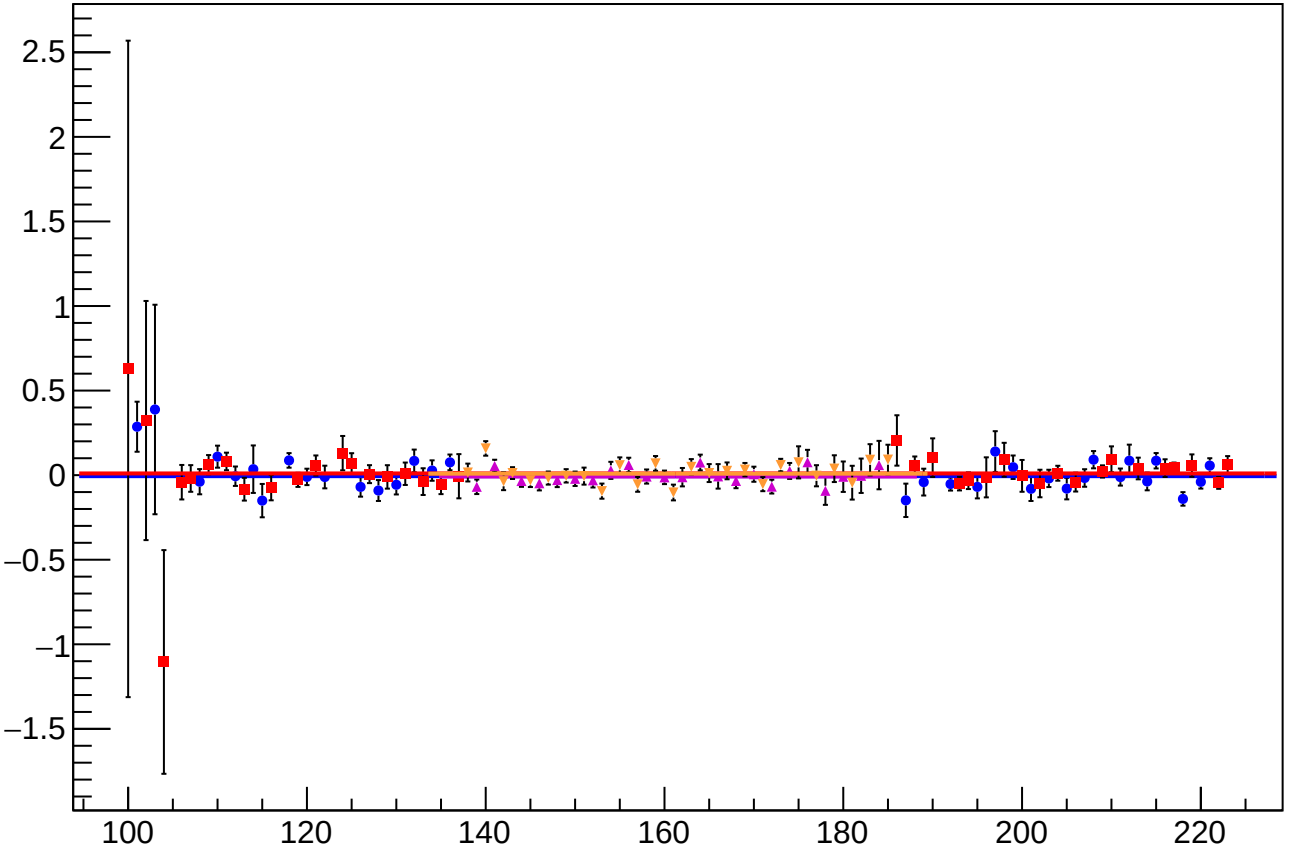
Right: 40.059+/-0.005 χ^2/NDF: 8359716.4/71

In: 39.968+/-0.005 χ^2/NDF:5111259.1/56

Out: 38.464+/-0.005 χ^2/NDF:6961213.3/62

All: 39.192+/-0.003 χ^2/NDF: 12119748.3/119

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

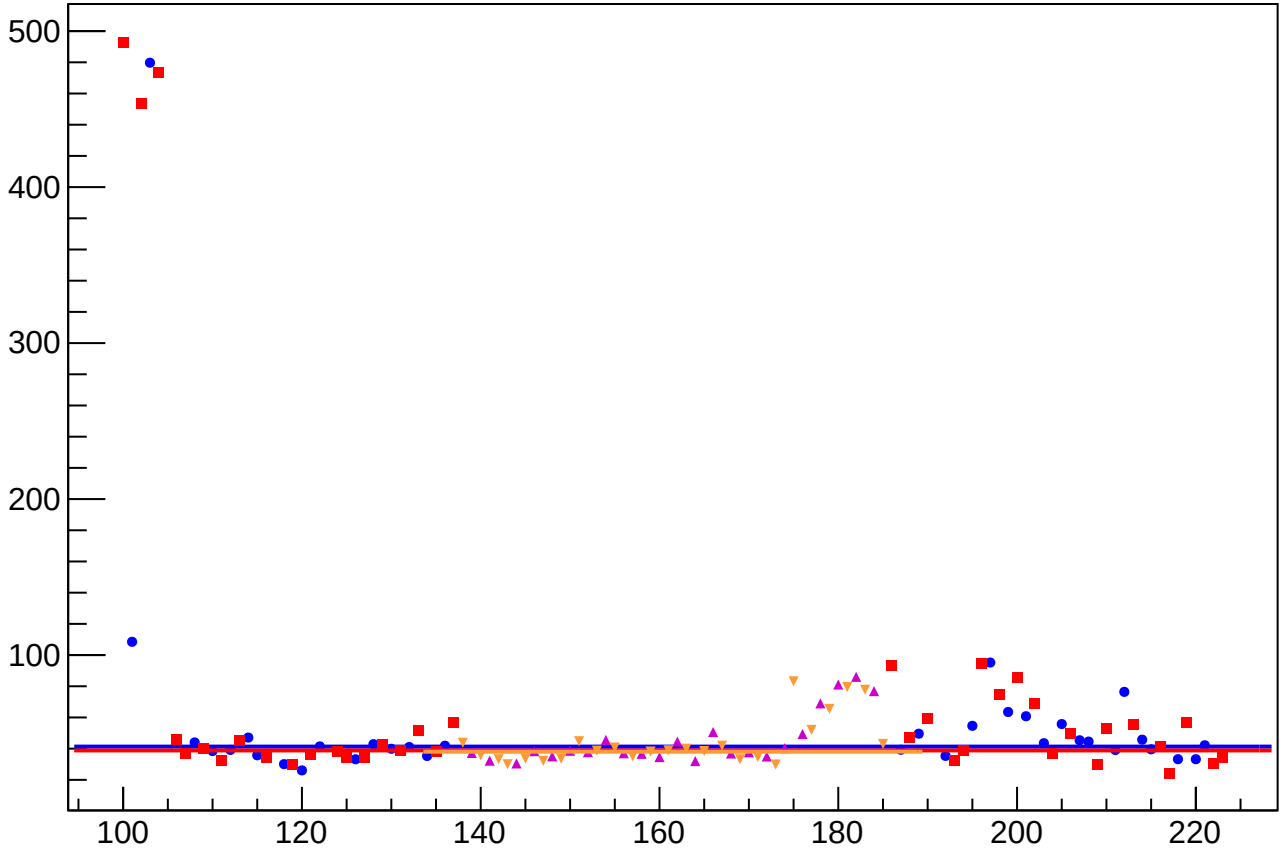
Right: 0.002+/-0.007 χ^2/NDF: 87.6/71

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.009+/-0.007 χ^2/NDF:69.0/62

All: 0.002+/-0.005 χ^2/NDF: 146.6/119

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

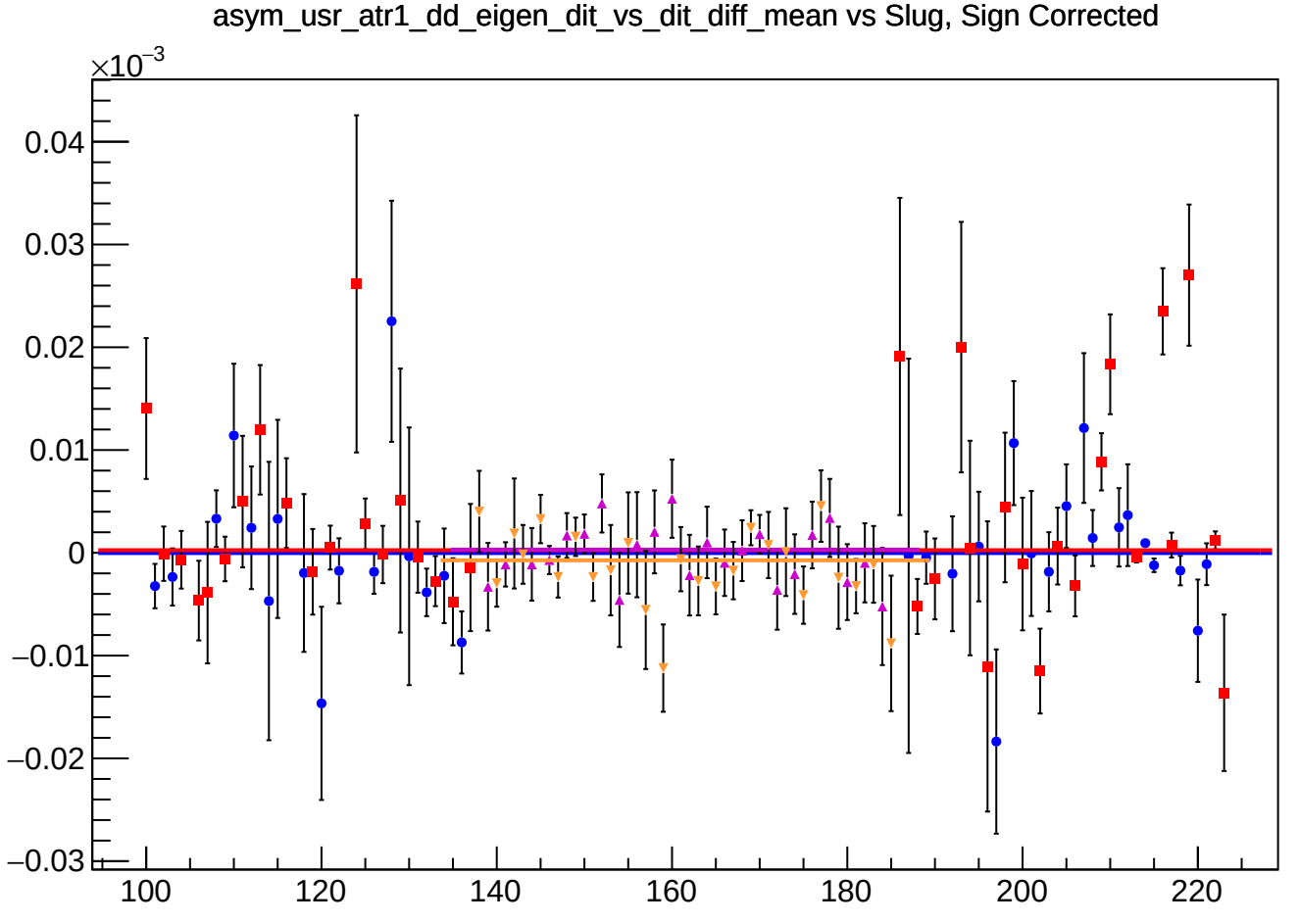
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.059+/-0.005 χ^2/NDF: 8359716.4/71

In: 39.968+/-0.005 χ^2/NDF:5111259.1/56

Out: 38.464+/-0.005 χ^2/NDF:6961213.3/62

All: 39.192+/-0.003 χ^2/NDF: 12119748.3/119



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

Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

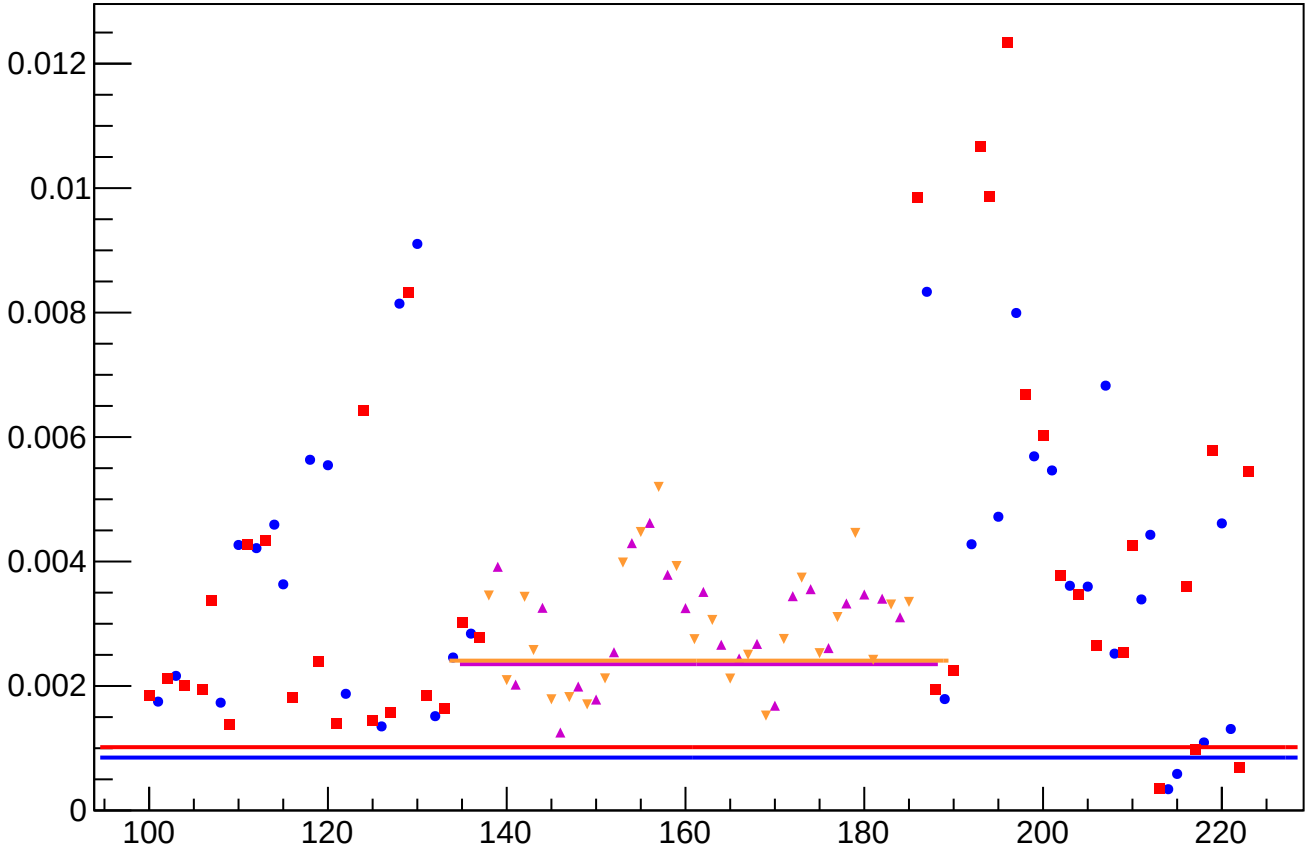
Right: 0.000+/-0.000 χ^2/NDF: 166.3/71

In: 0.000+/-0.000 χ^2/NDF:66.0/56

Out: 0.000+/-0.000 χ^2/NDF:142.6/62

All: 0.000+/-0.000 χ^2/NDF: 208.6/119

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

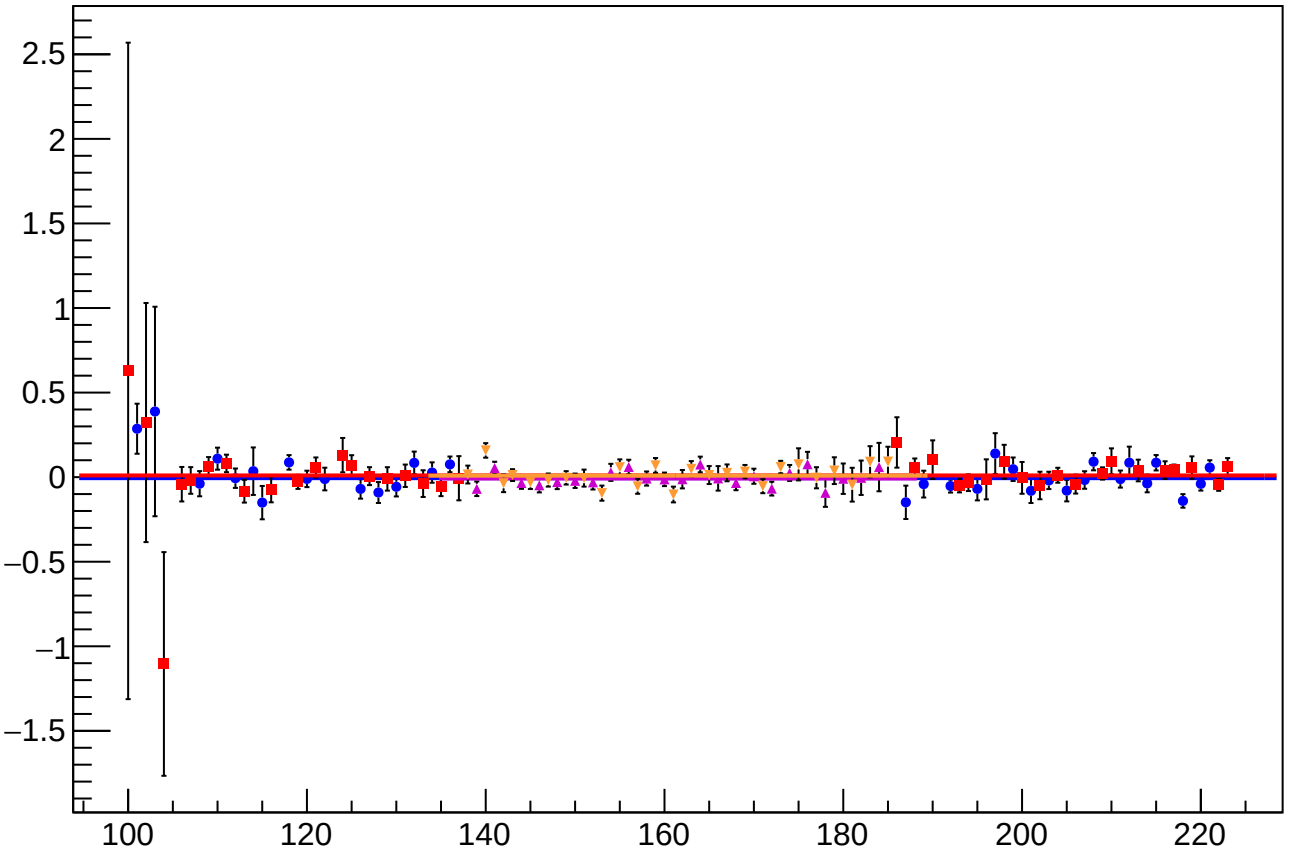
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.001+/-0.000 χ^2/NDF: 46140991.9/71

In: 0.001+/-0.000 χ^2/NDF:38391819.6/56

Out: 0.001+/-0.000 χ^2/NDF:34222736.7/62

All: 0.001+/-0.000 χ^2/NDF: 73202400.8/119



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

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

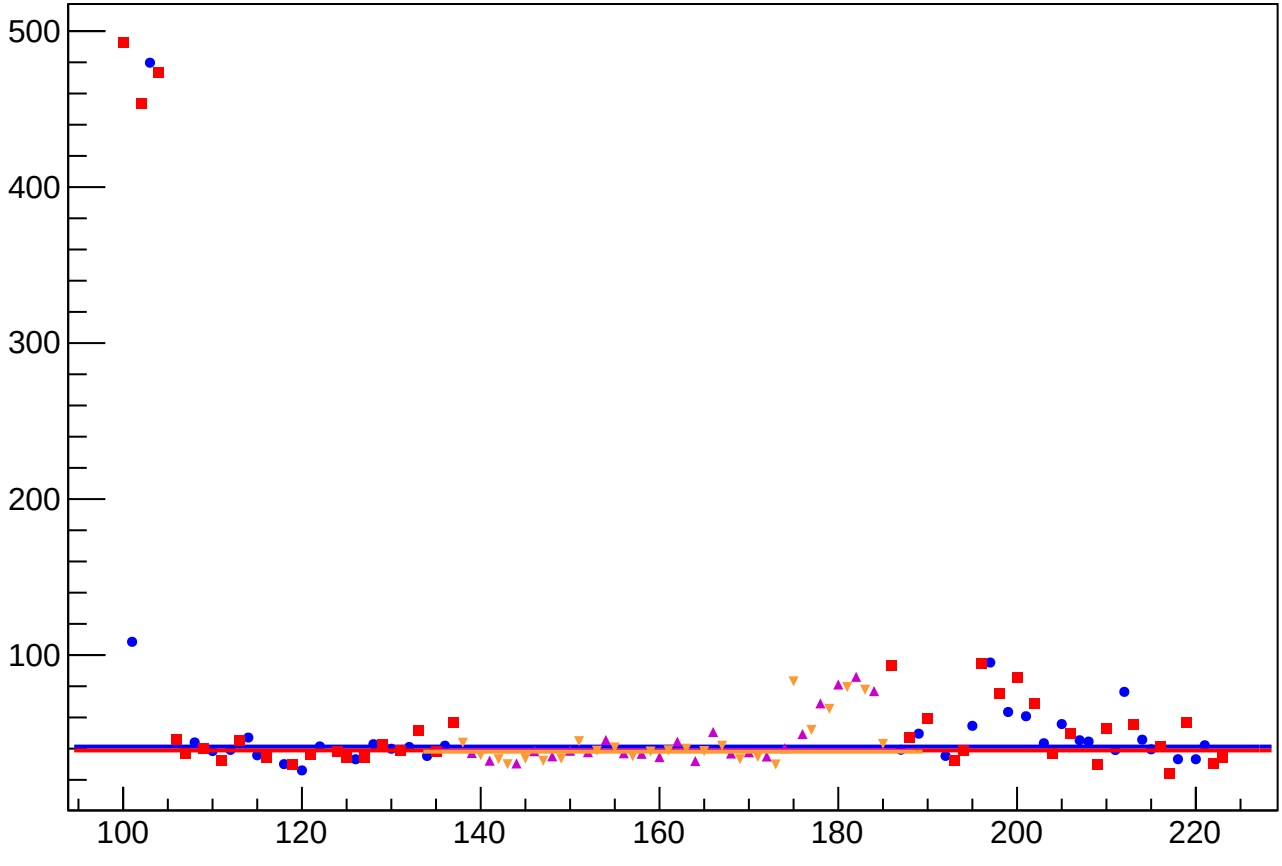
Right: 0.002+/-0.007 χ^2/NDF: 87.6/71

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.009+/-0.007 χ^2/NDF:69.0/62

All: 0.002+/-0.005 χ^2/NDF: 146.6/119

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

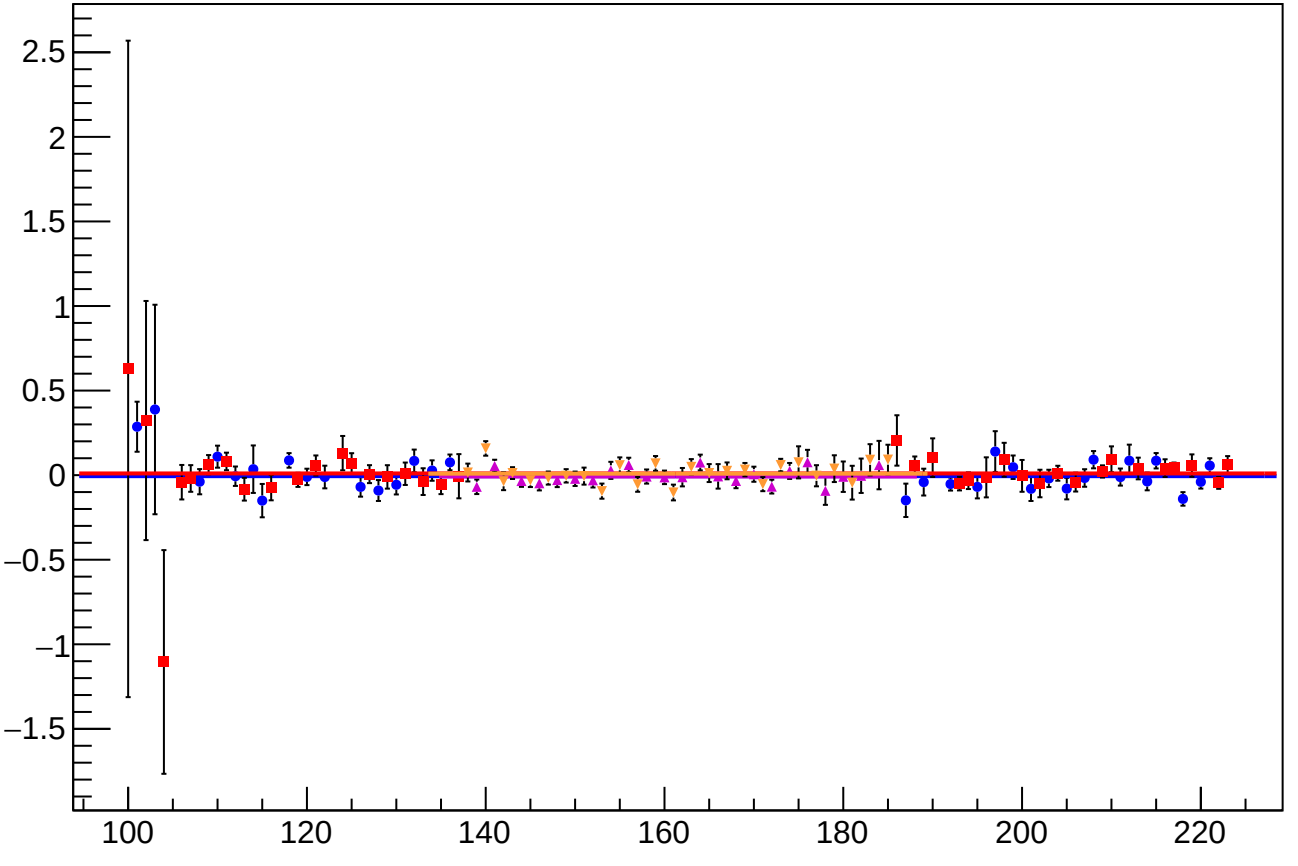
Right: 40.058+/-0.005 χ^2/NDF: 8360481.6/71

In: 39.968+/-0.005 χ^2/NDF:5111550.4/56

Out: 38.463+/-0.005 χ^2/NDF:6961580.5/62

All: 39.191+/-0.003 χ^2/NDF: 12120451.7/119

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

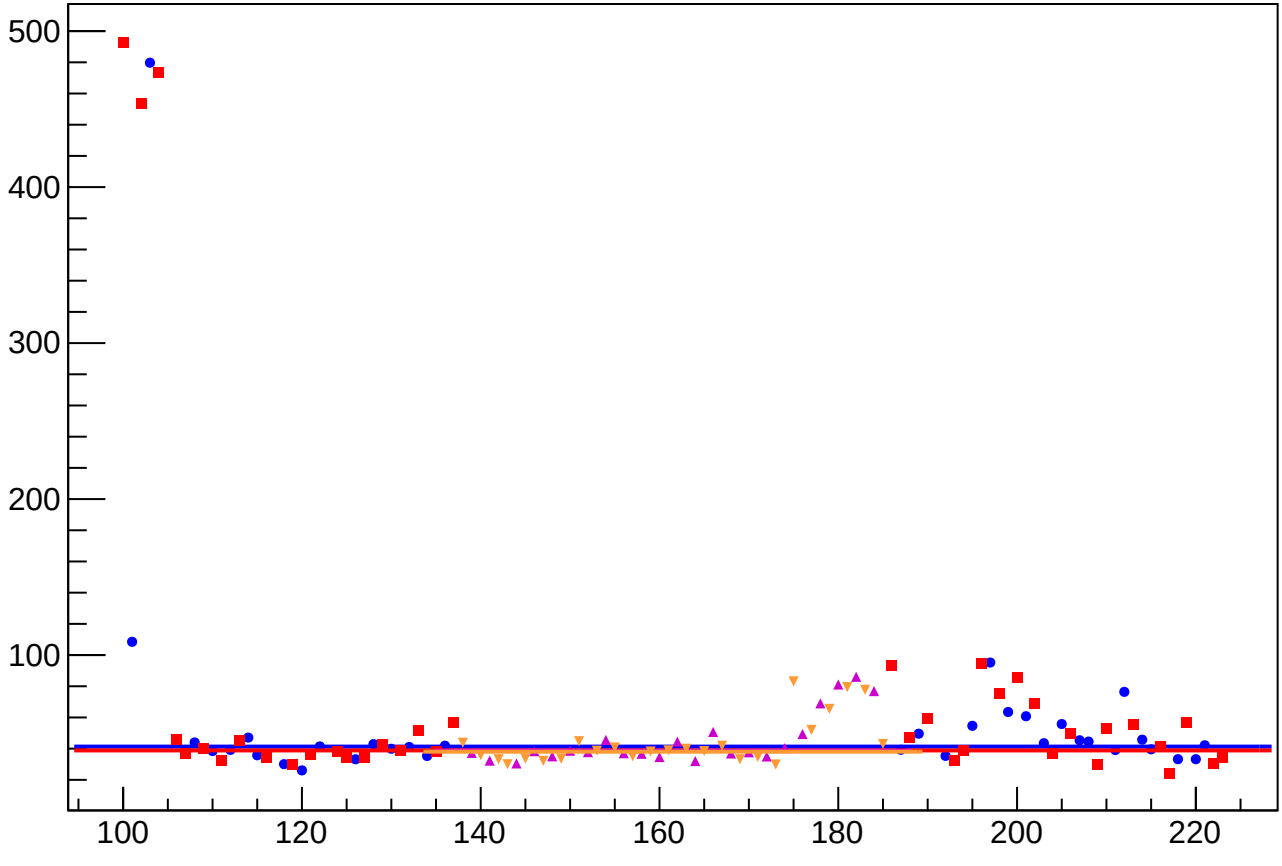
Right: 0.002+/-0.007 χ^2/NDF: 87.6/71

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.009+/-0.007 χ^2/NDF:69.0/62

All: 0.002+/-0.005 χ^2/NDF: 146.6/119

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

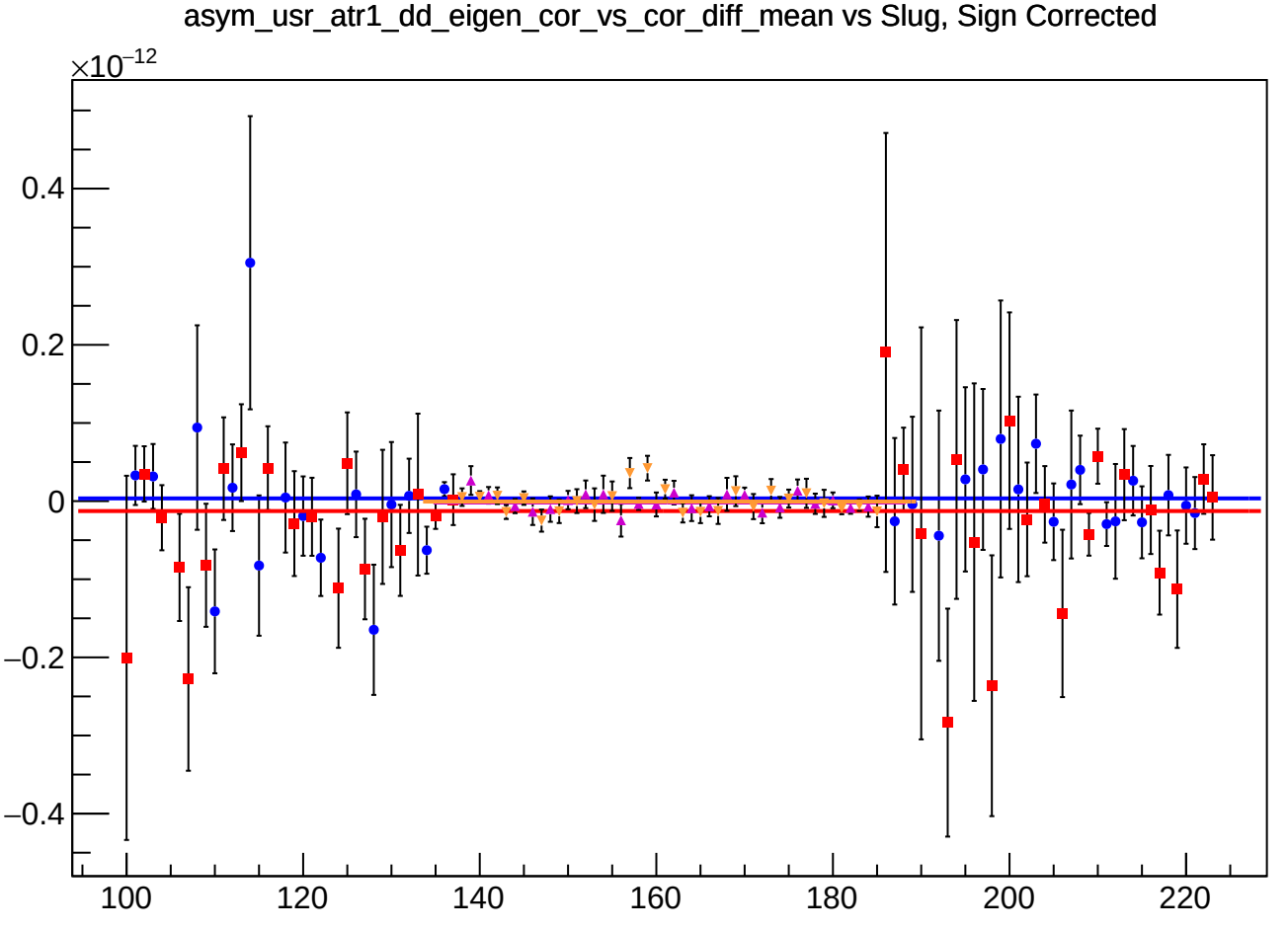
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

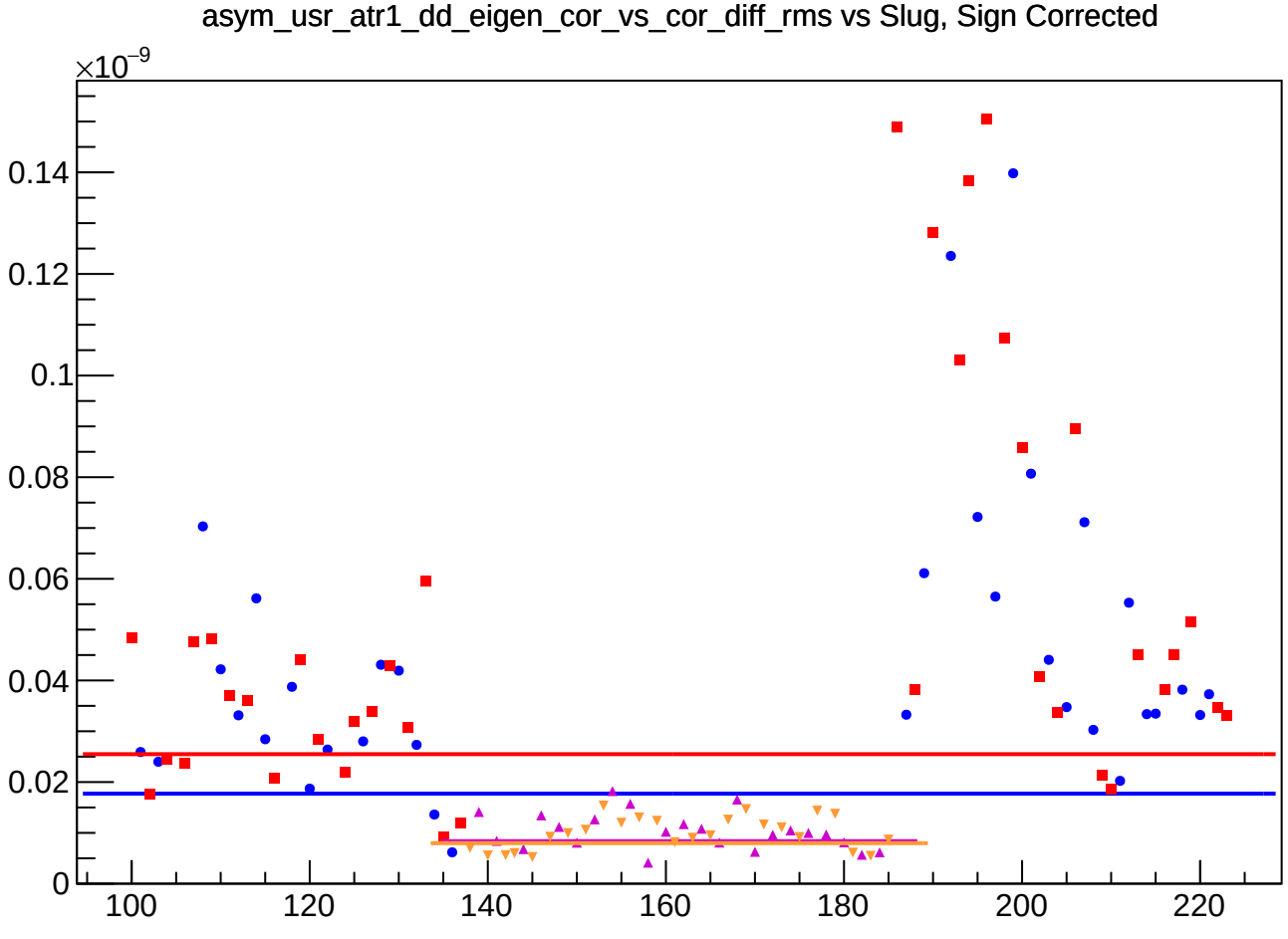
Right: 40.058+/-0.005 χ^2/NDF: 8360481.6/71

In: 39.968+/-0.005 χ^2/NDF:5111550.4/56

Out: 38.463+/-0.005 χ^2/NDF:6961580.5/62

All: 39.191+/-0.003 χ^2/NDF: 12120451.7/119


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 27.0/33
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.9/37
Left In: -0.000+/-0.000 χ²/NDF:11.6/22
Left: -0.000+/-0.000 χ²/NDF: 38.6/47
Right: -0.000+/-0.000 χ²/NDF: 65.2/71
In: -0.000+/-0.000 χ²/NDF:39.2/56
Out: -0.000+/-0.000 χ²/NDF:64.8/62
All: -0.000+/-0.000 χ²/NDF: 104.0/119



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

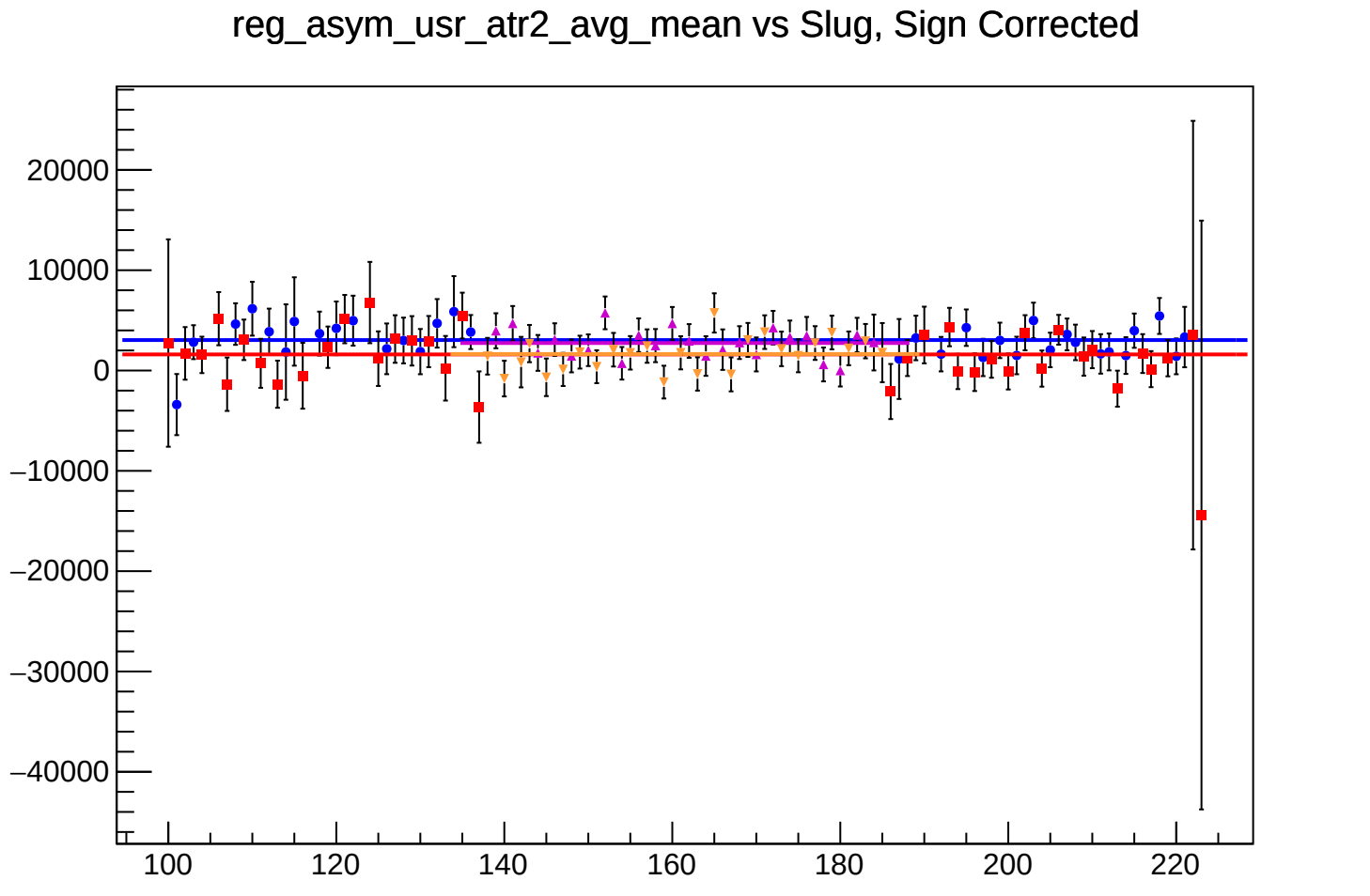
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 21766250.5/71

In: 0.000+/-0.000 χ^2/NDF:18006731.5/56

Out: 0.000+/-0.000 χ^2/NDF:19921389.1/62

All: 0.000+/-0.000 χ^2/NDF: 37942856.7/119



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

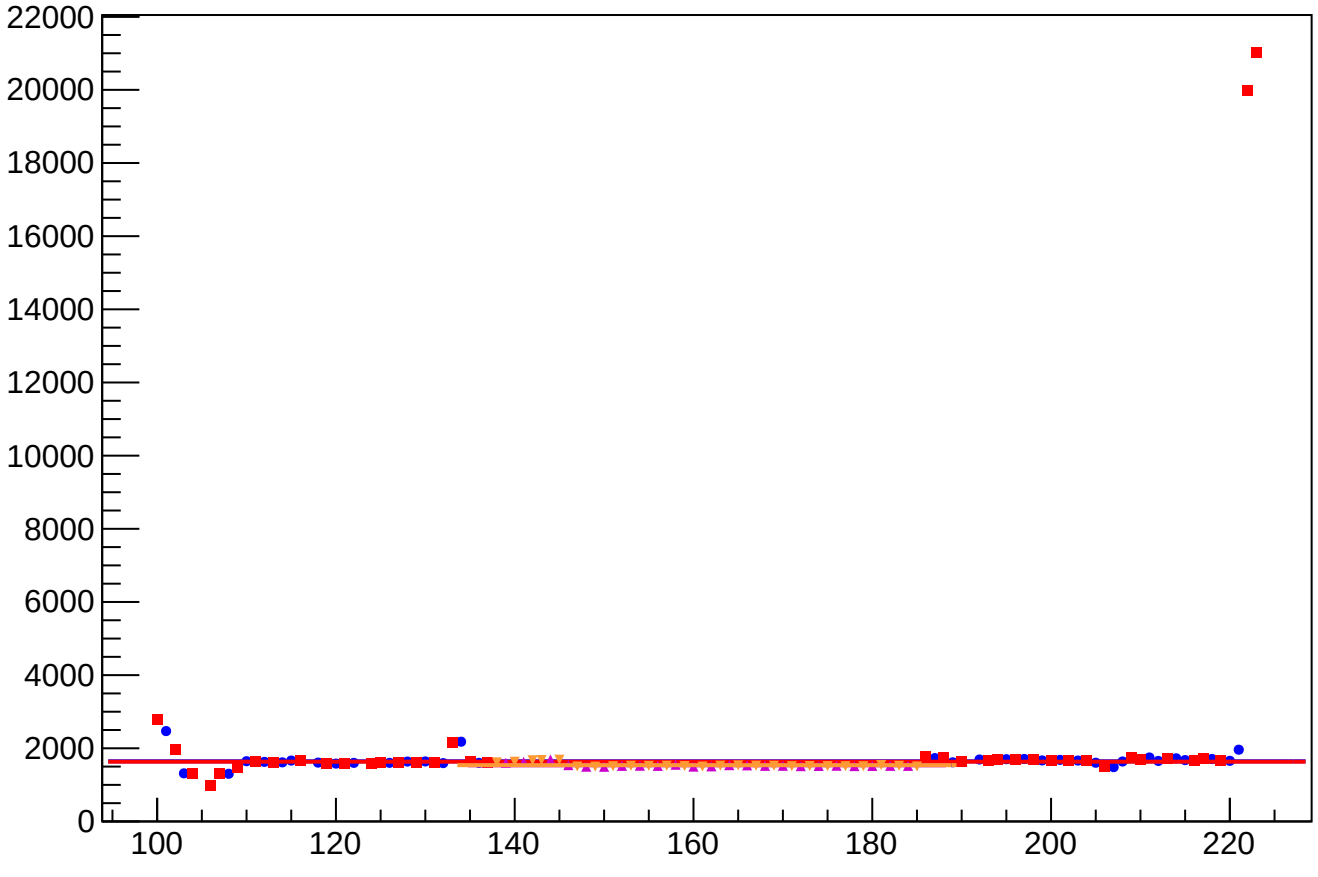
Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

Right: 2324.240+/-252.557 χ^2/NDF: 59.2/71

In: 2889.787+/-252.732 χ^2/NDF:35.3/56

Out: 1626.292+/-250.166 χ^2/NDF:53.6/62

All: 2251.594+/-177.794 χ^2/NDF: 101.6/119



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

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

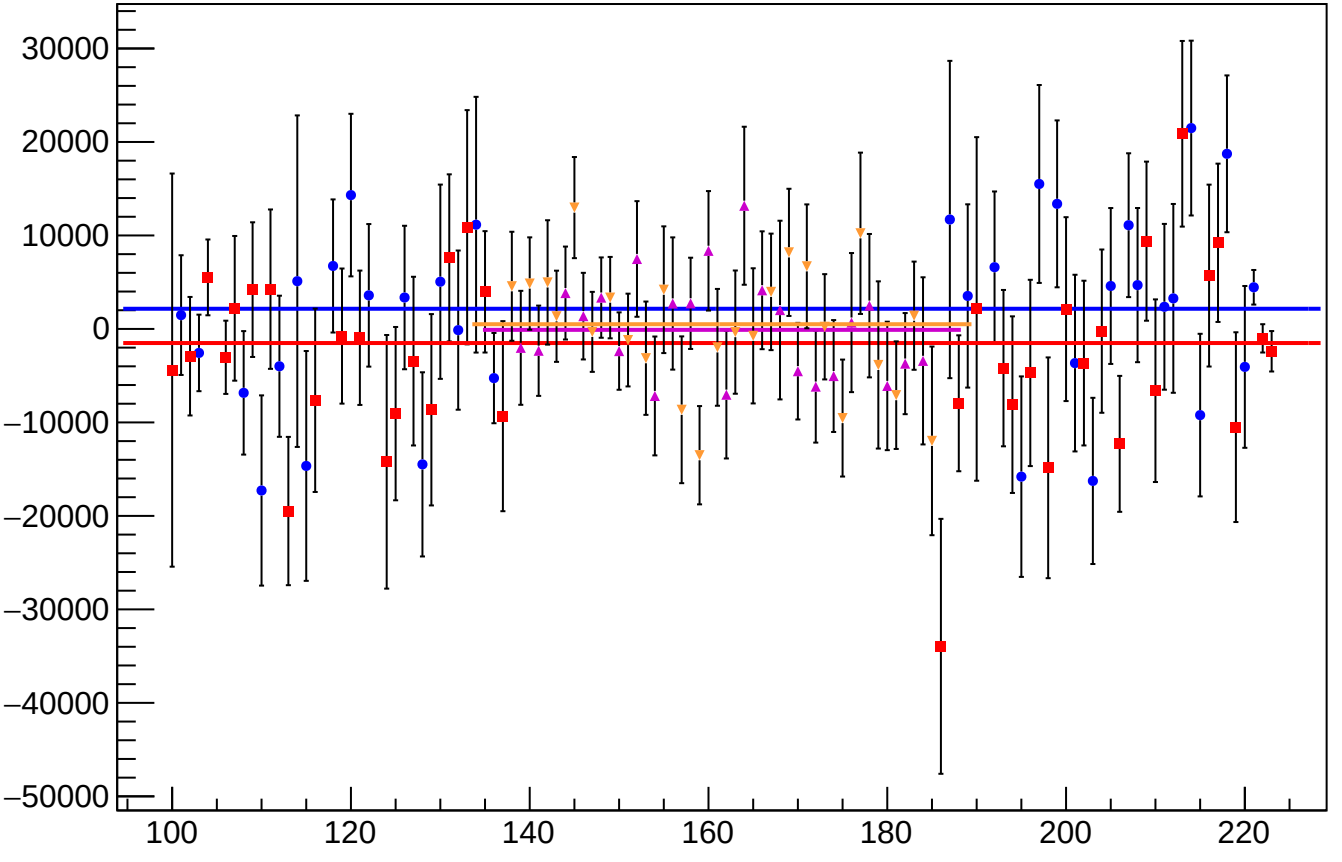
Right: 1639.362+/-0.178 χ^2/NDF: 3225397.0/71

In: 1590.024+/-0.179 χ^2/NDF:519315.1/56

Out: 1585.578+/-0.176 χ^2/NDF:2951103.2/62

All: 1587.771+/-0.126 χ^2/NDF: 3470731.8/11

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



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

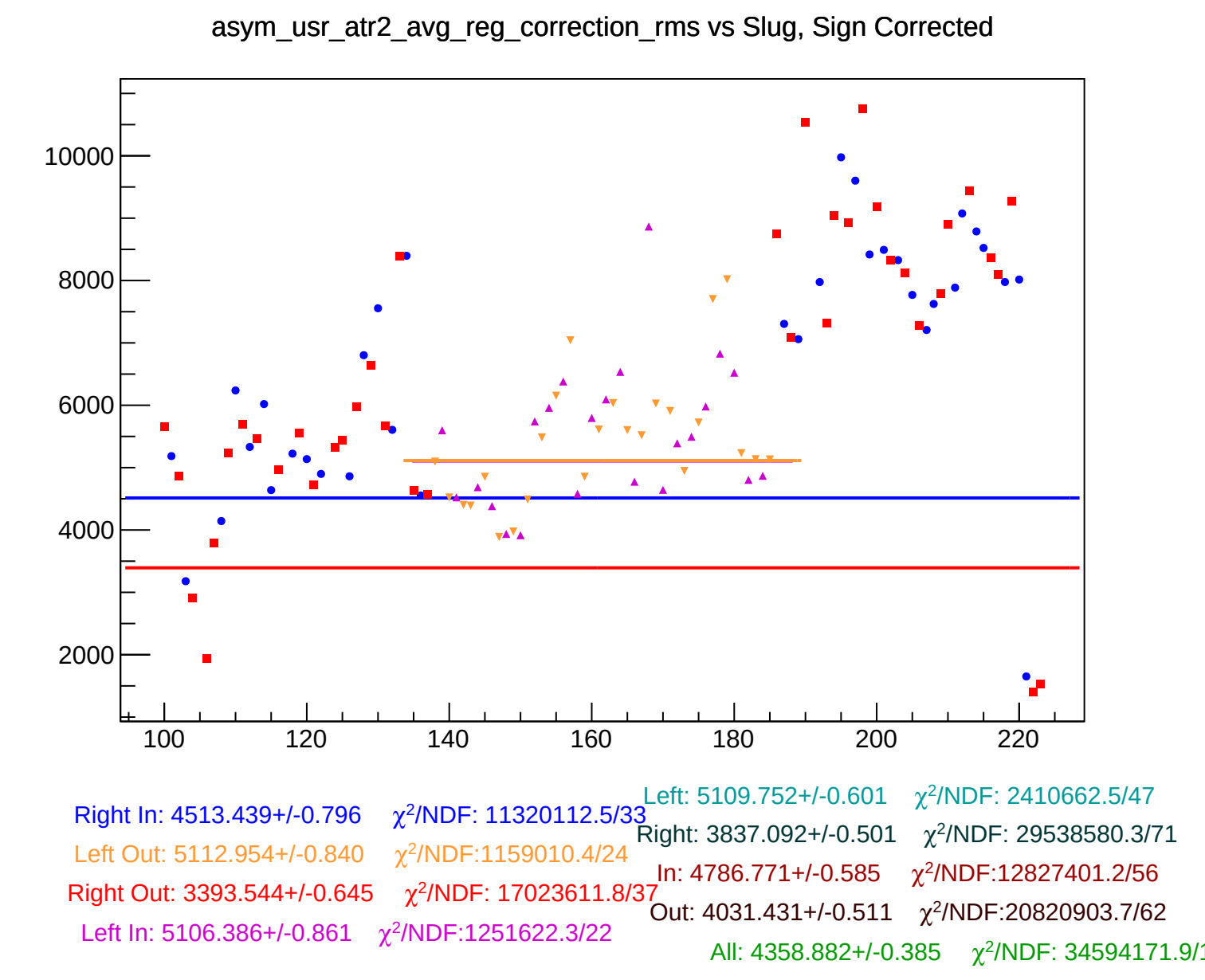
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

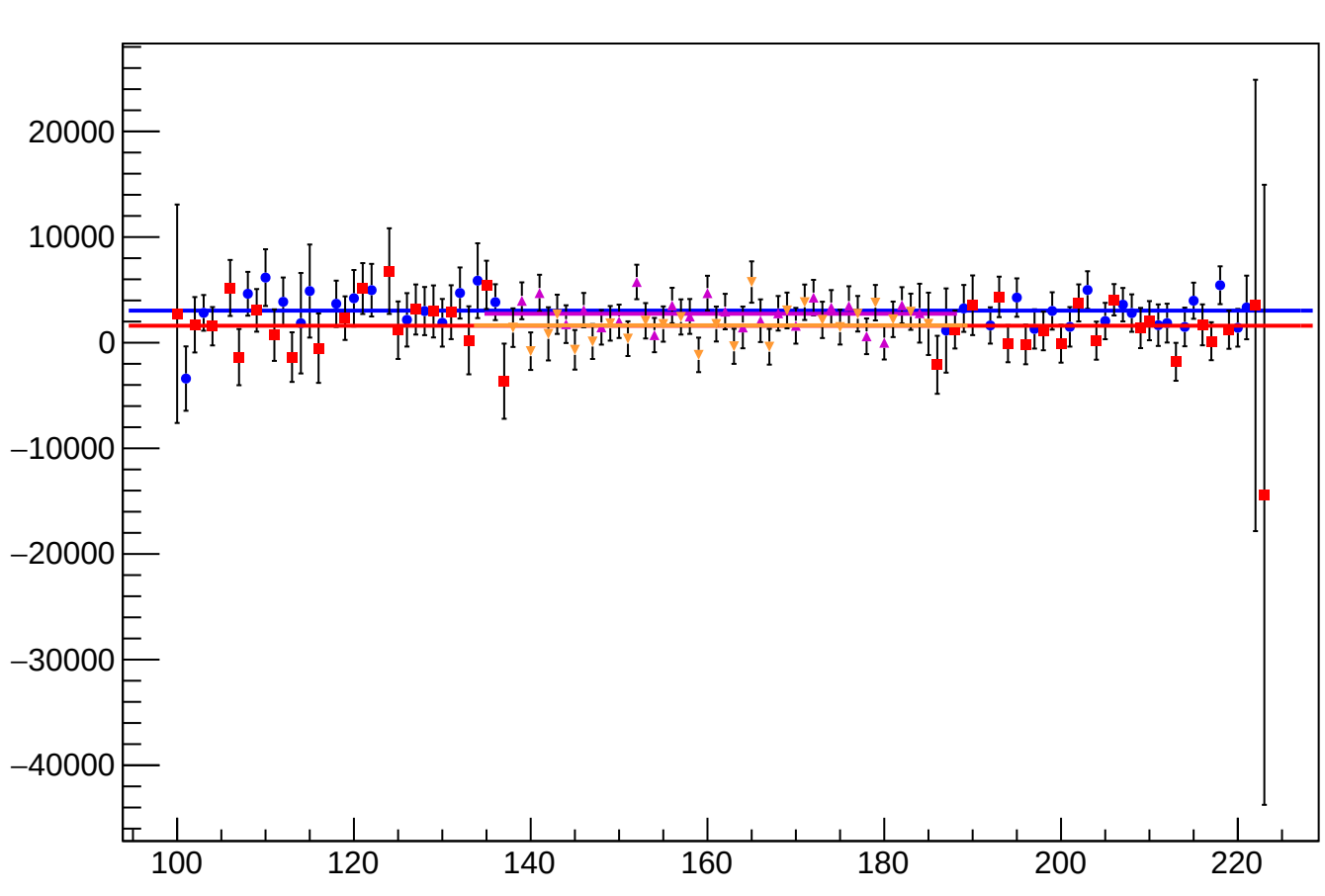
Right: -56.169+/-708.618 χ^2/NDF: 85.4/71

In: 1118.070+/-826.678 χ^2/NDF:59.1/56

Out: -761.744+/-723.176 χ^2/NDF:65.2/62

All: 53.183+/-544.300 χ^2/NDF: 127.2/119


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4513.439+/-0.796 χ²/NDF: 11320112.5/33
Left Out: 5112.954+/-0.840 χ²/NDF:1159010.4/24
Right Out: 3393.544+/-0.645 χ²/NDF: 17023611.8/37
Left In: 5106.386+/-0.861 χ²/NDF:1251622.3/22
Left: 5109.752+/-0.601 χ²/NDF: 2410662.5/47
Right: 3837.092+/-0.501 χ²/NDF: 29538580.3/71
In: 4786.771+/-0.585 χ²/NDF:12827401.2/56
Out: 4031.431+/-0.511 χ²/NDF:20820903.7/62
All: 4358.882+/-0.385 χ²/NDF: 34594171.9/1



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

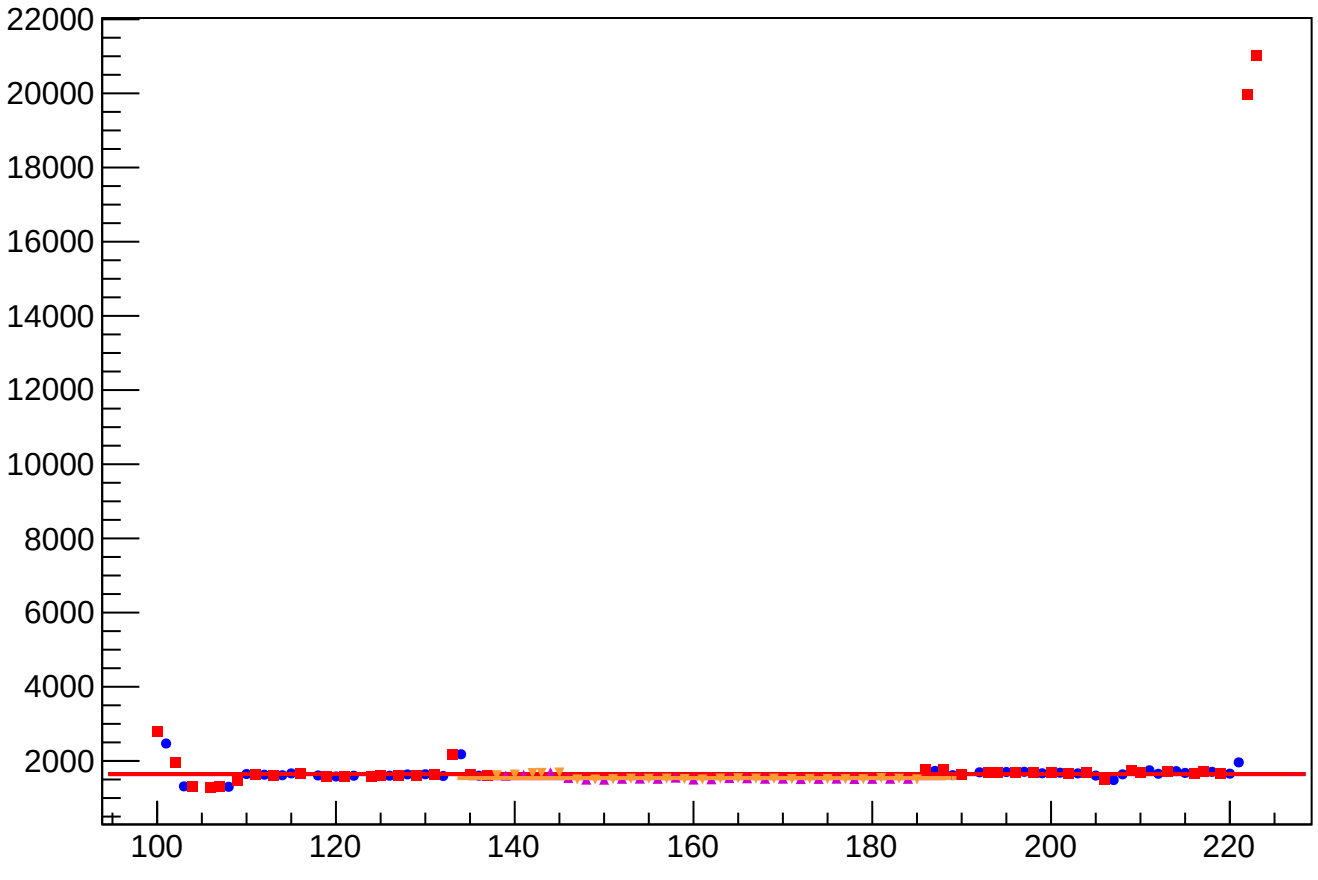
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2324.204+/-252.557 χ^2/NDF: 59.2/71

In: 2889.678+/-252.732 χ^2/NDF:35.3/56

Out: 1626.260+/-250.166 χ^2/NDF:53.7/62

All: 2251.524+/-177.794 χ^2/NDF: 101.6/119



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

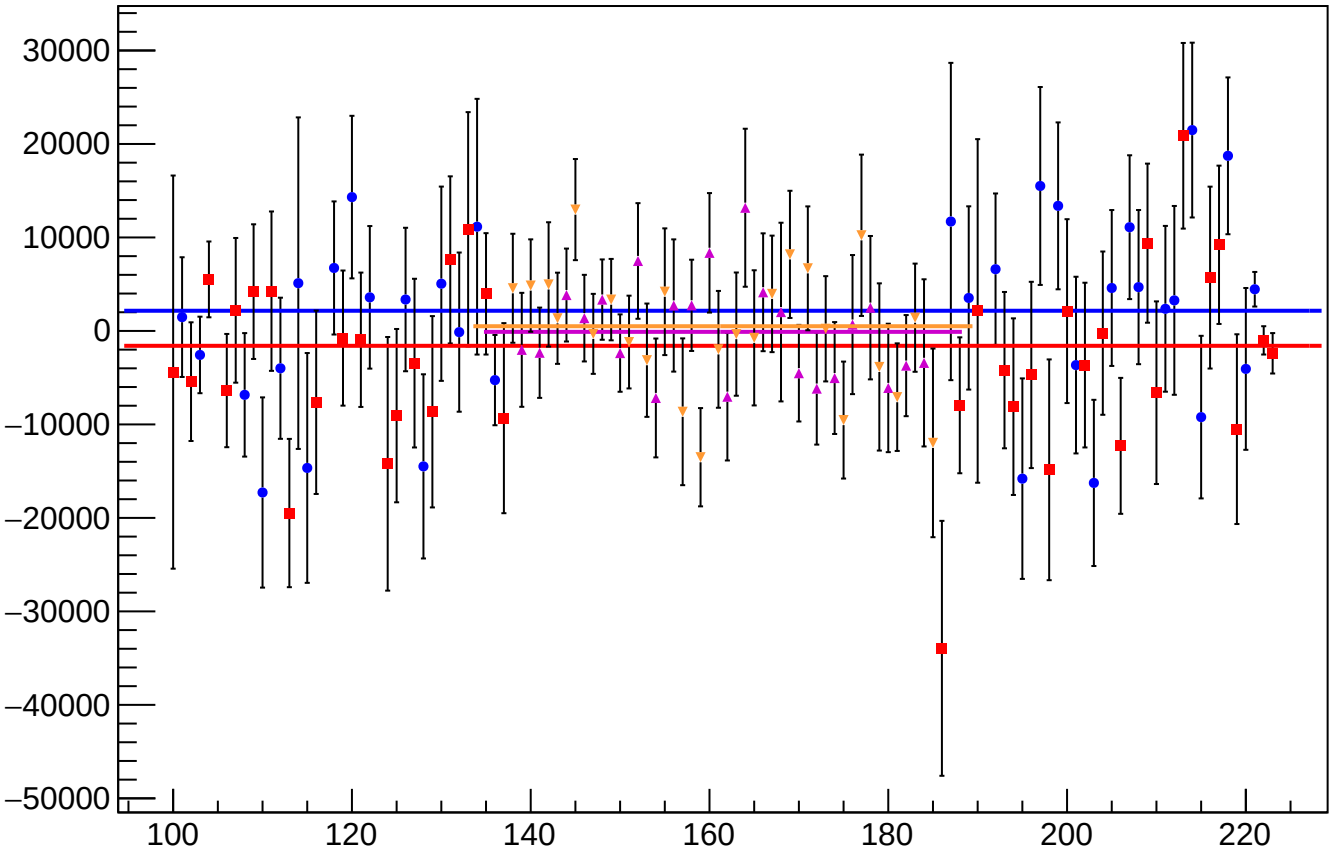
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1645.601+/-0.178 χ^2/NDF: 3061335.4/71

In: 1590.024+/-0.179 χ^2/NDF:519314.2/56

Out: 1591.444+/-0.177 χ^2/NDF:2807796.9/62

All: 1590.741+/-0.126 χ^2/NDF: 3327143.0/11



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

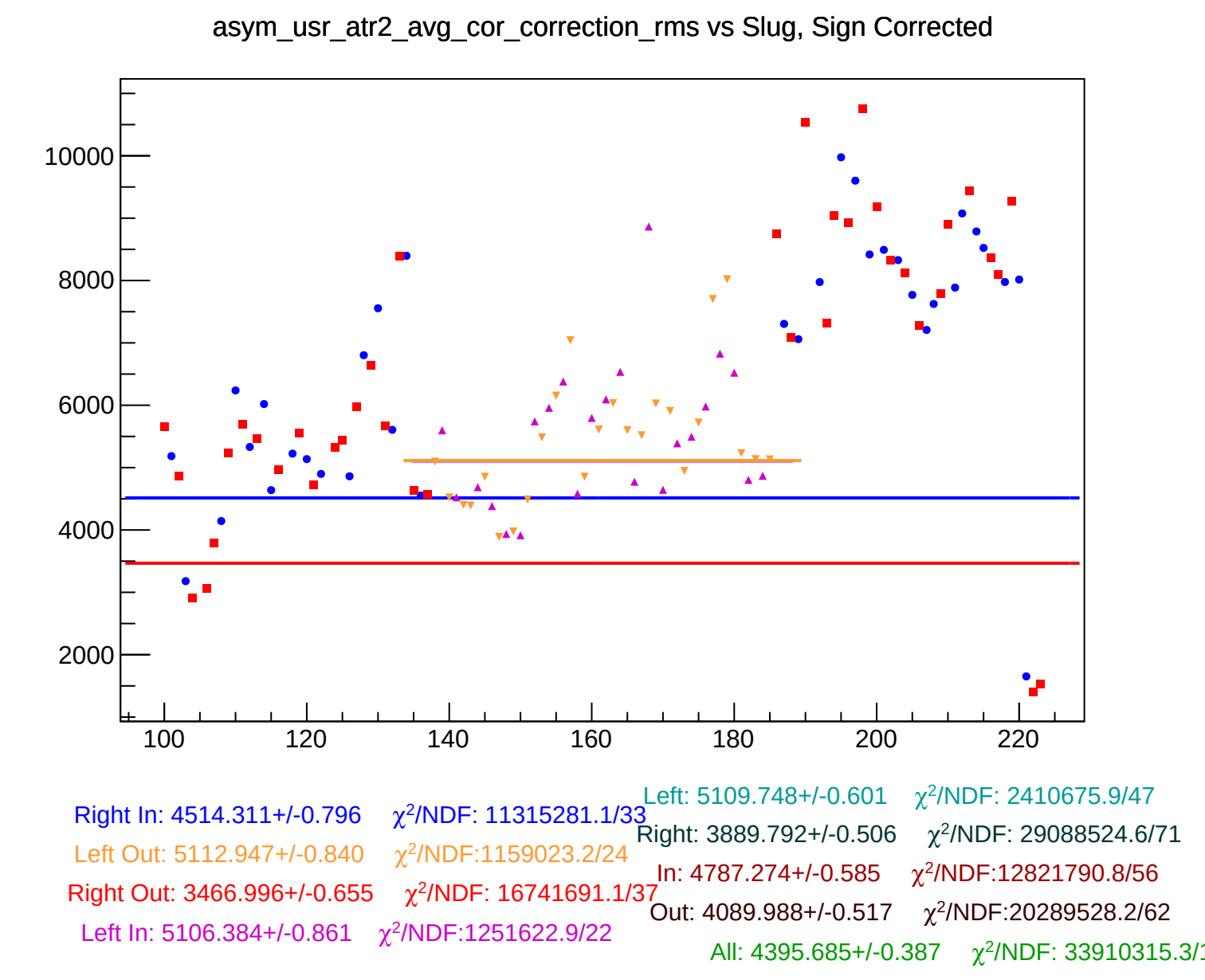
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

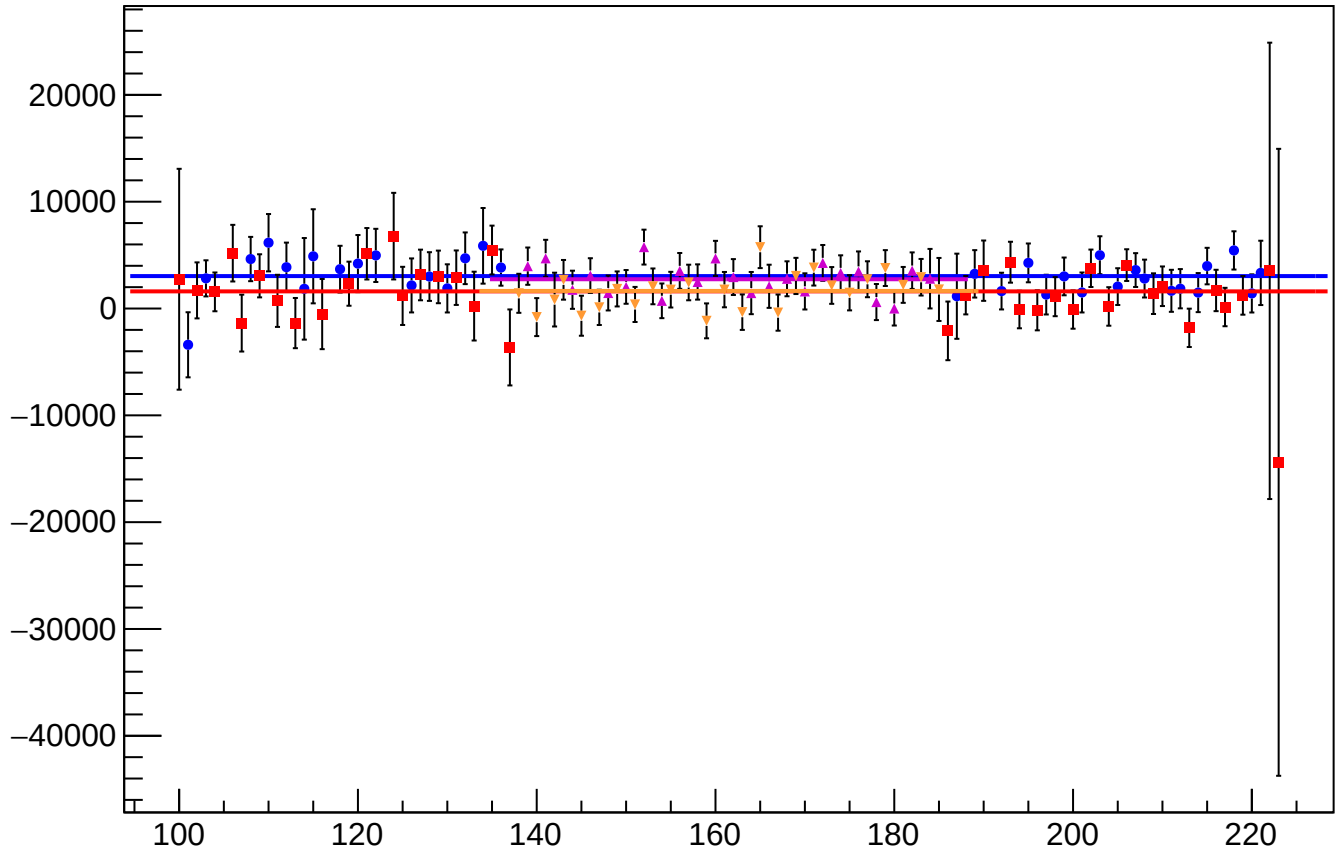
Right: -76.956+/-715.497 χ^2/NDF: 86.4/71

In: 1118.627+/-826.729 χ^2/NDF:59.2/56

Out: -798.013+/-730.456 χ^2/NDF:66.1/62

All: 42.262+/-547.399 χ^2/NDF: 128.3/119


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4514.311+/-0.796 χ²/NDF: 11315281.1/33
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 3466.996+/-0.655 χ²/NDF: 16741691.1/37
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 3889.792+/-0.506 χ²/NDF: 29088524.6/71
In: 4787.274+/-0.585 χ²/NDF:12821790.8/56
Out: 4089.988+/-0.517 χ²/NDF:20289528.2/62
All: 4395.685+/-0.387 χ²/NDF: 33910315.3/1



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

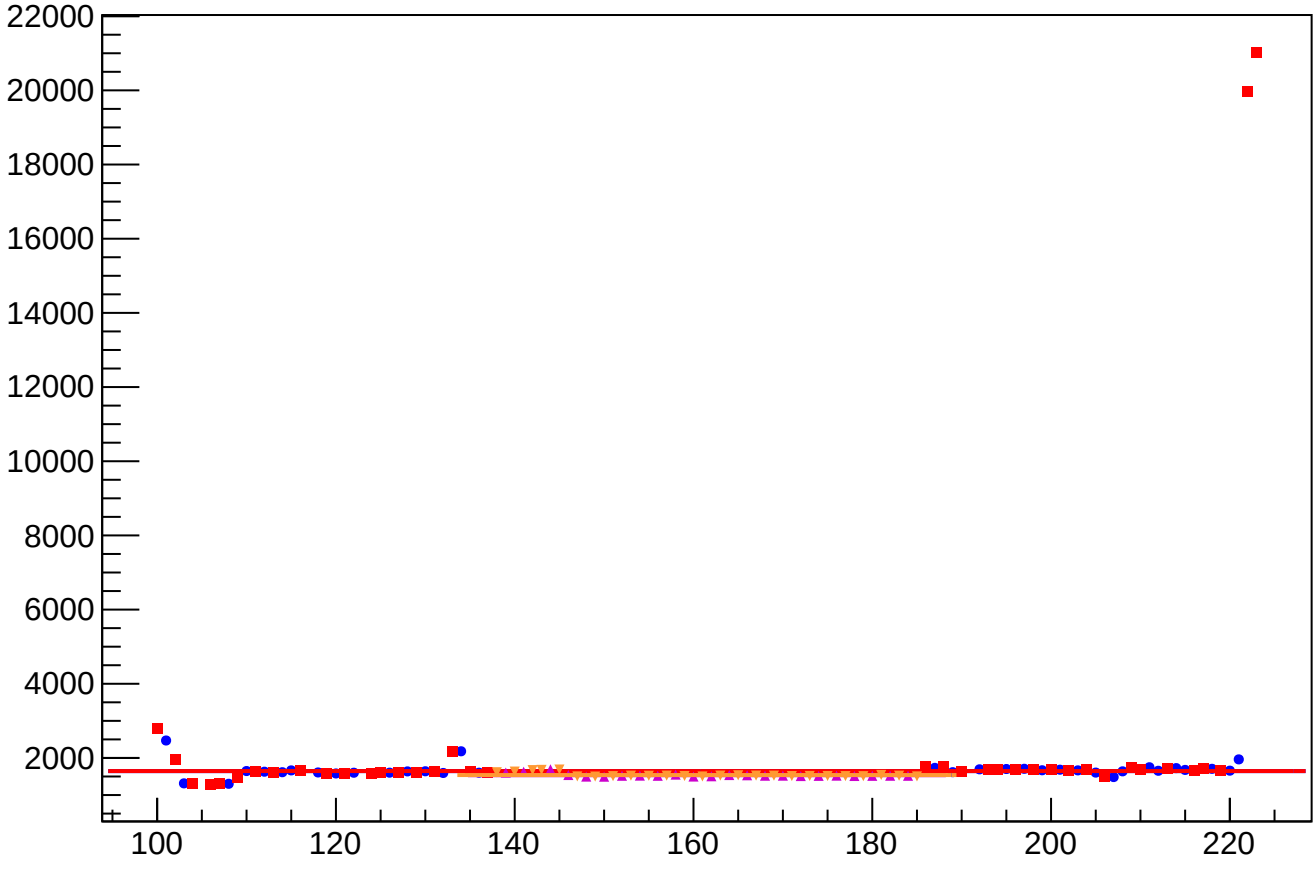
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2324.204+/-252.557 χ^2/NDF: 59.2/71

In: 2889.678+/-252.732 χ^2/NDF:35.3/56

Out: 1626.260+/-250.166 χ^2/NDF:53.7/62

All: 2251.524+/-177.794 χ^2/NDF: 101.6/119



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

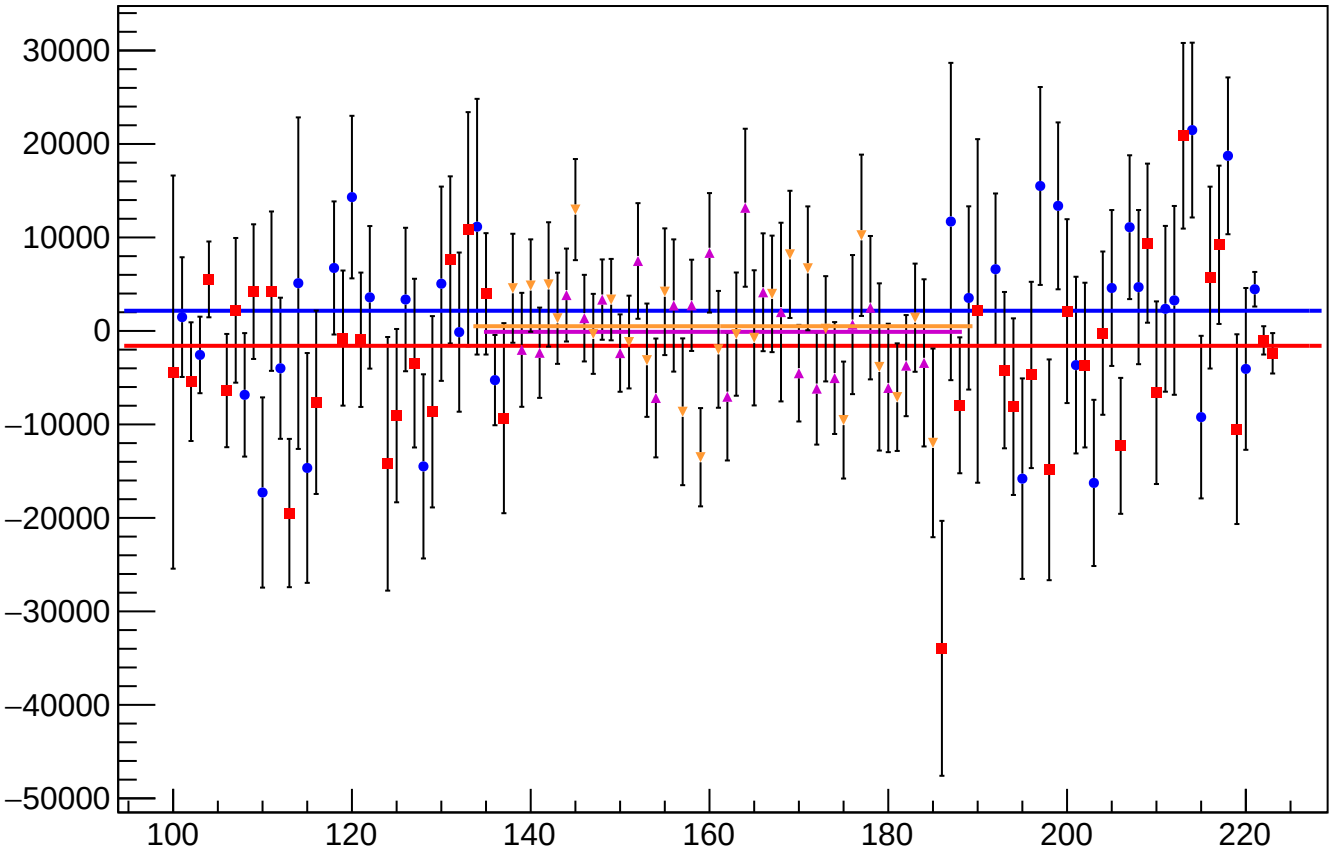
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1645.601+/-0.178 χ^2/NDF: 3061335.4/71

In: 1590.024+/-0.179 χ^2/NDF:519314.2/56

Out: 1591.444+/-0.177 χ^2/NDF:2807796.9/62

All: 1590.741+/-0.126 χ^2/NDF: 3327143.0/11



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

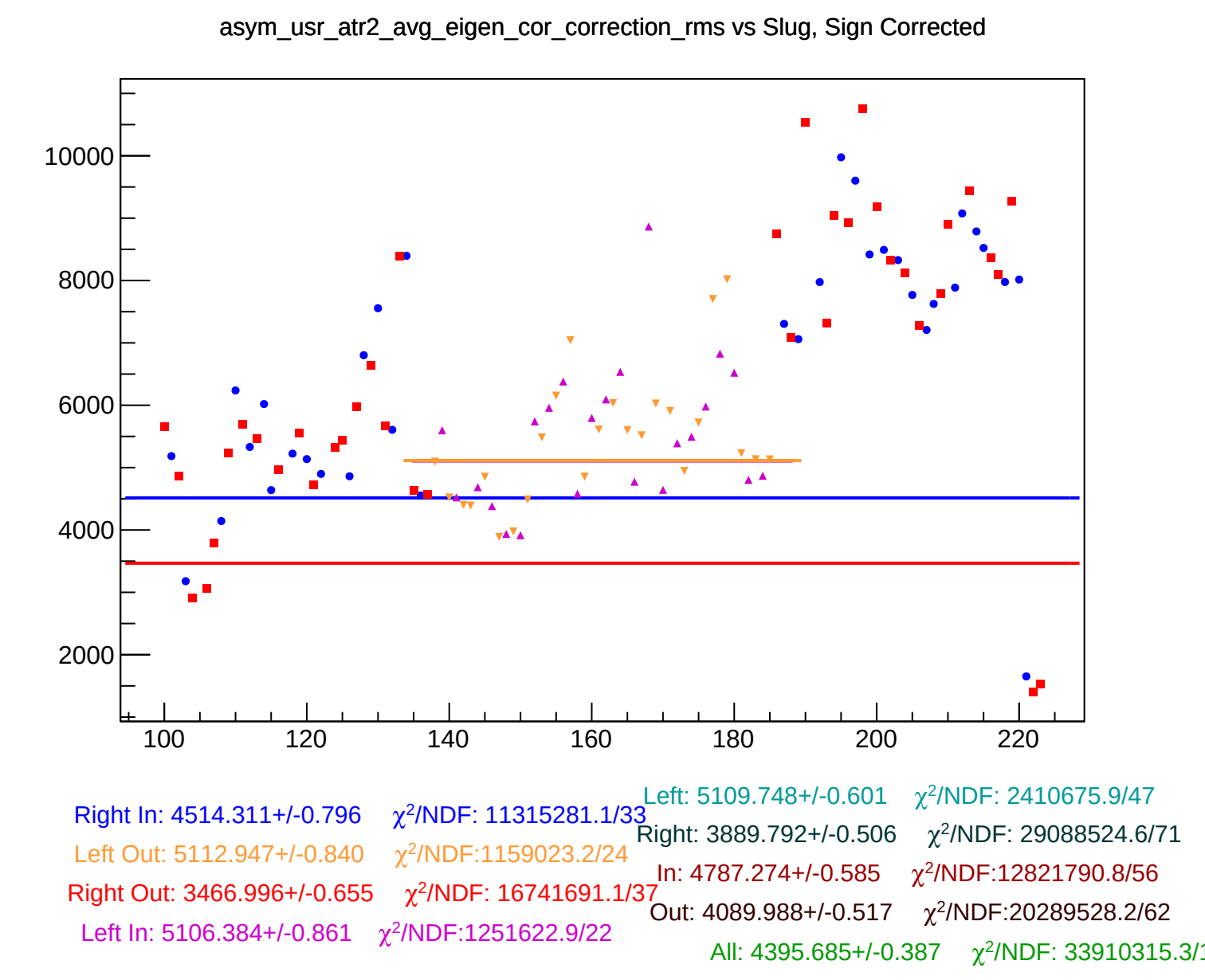
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

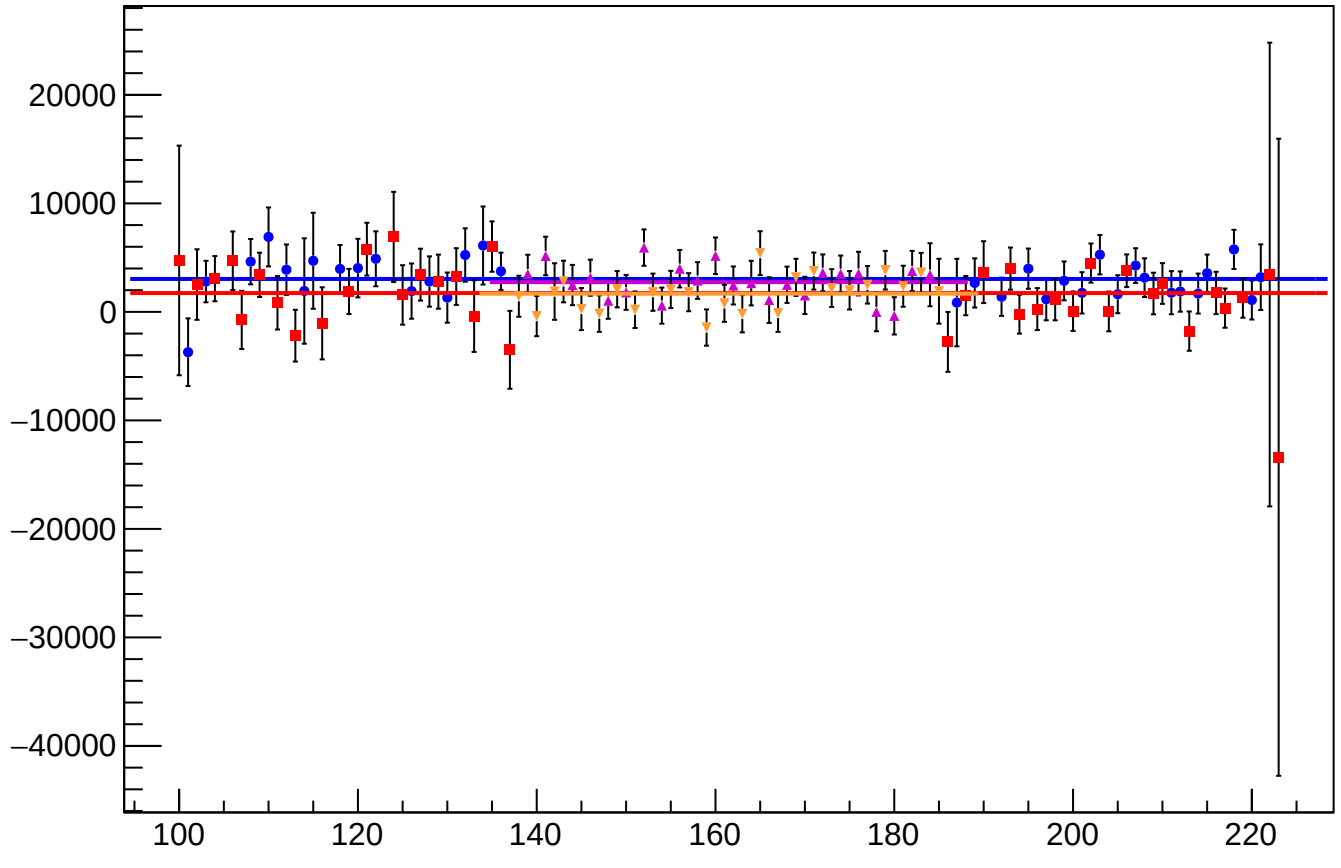
Right: -76.956+/-715.497 χ^2/NDF: 86.4/71

In: 1118.627+/-826.729 χ^2/NDF:59.2/56

Out: -798.013+/-730.456 χ^2/NDF:66.1/62

All: 42.262+/-547.399 χ^2/NDF: 128.3/119


asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4514.311+/-0.796 χ²/NDF: 11315281.1/33
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 3466.996+/-0.655 χ²/NDF: 16741691.1/37
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 3889.792+/-0.506 χ²/NDF: 29088524.6/71
In: 4787.274+/-0.585 χ²/NDF:12821790.8/56
Out: 4089.988+/-0.517 χ²/NDF:20289528.2/62
All: 4395.685+/-0.387 χ²/NDF: 33910315.3/1



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

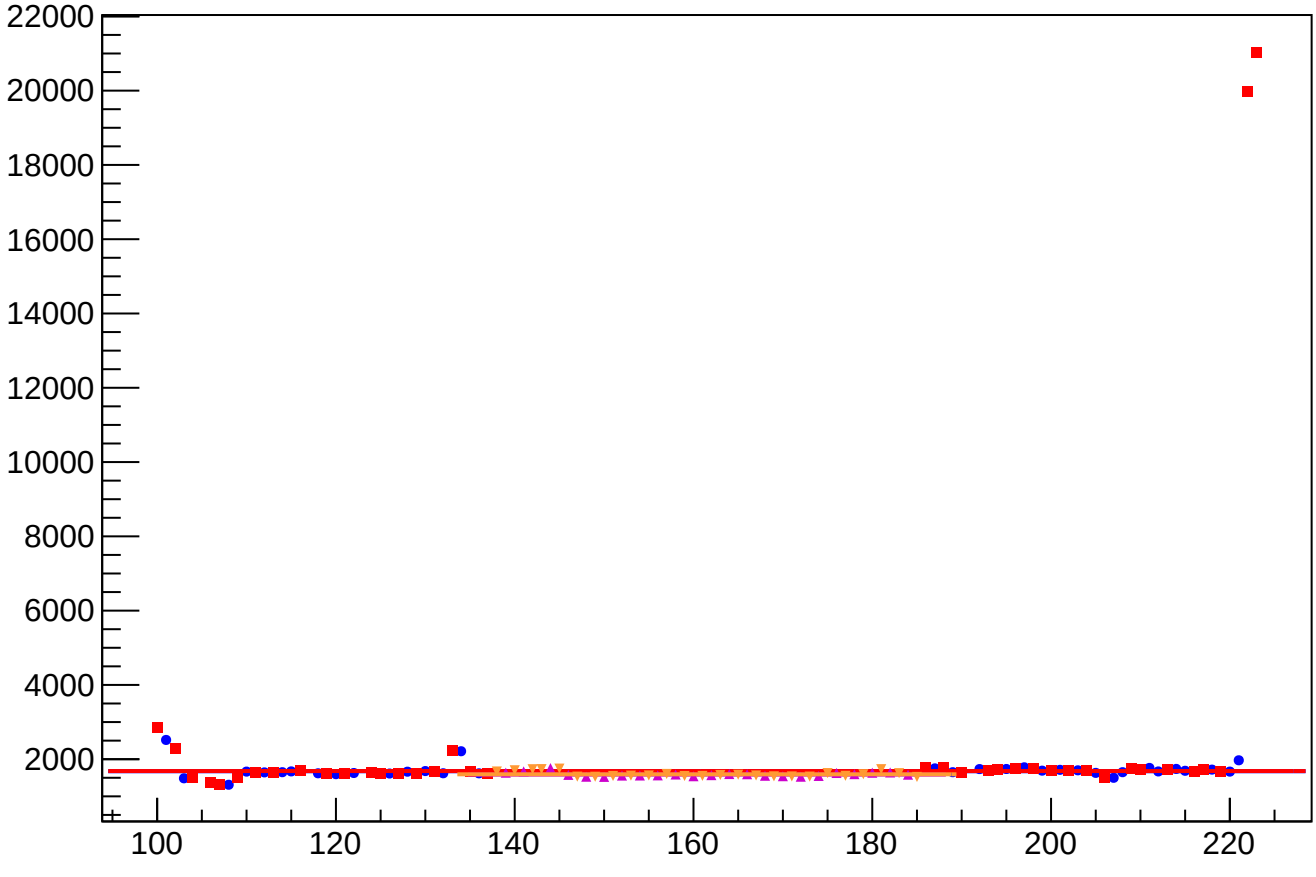
Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

Right: 2389.037+/-257.602 χ^2/NDF: 63.1/71

In: 2890.634+/-259.310 χ^2/NDF:41.0/56

Out: 1706.291+/-257.400 χ^2/NDF:54.2/62

All: 2294.085+/-182.681 χ^2/NDF: 105.7/119



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

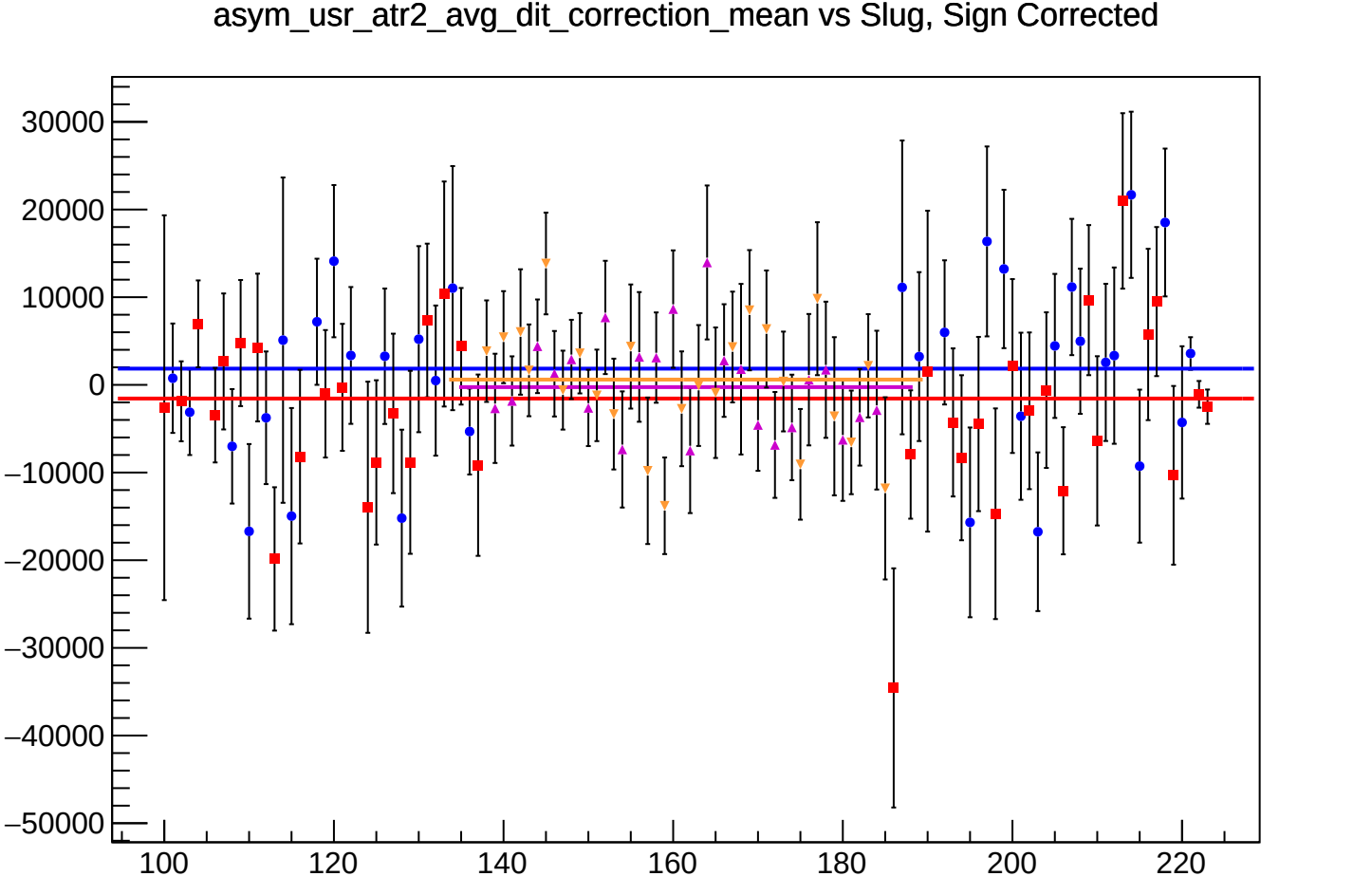
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1678.523+/-0.182 χ^2/NDF: 2981710.3/71

In: 1631.809+/-0.183 χ^2/NDF:447499.1/56

Out: 1636.942+/-0.182 χ^2/NDF:2766146.4/62

All: 1634.395+/-0.129 χ^2/NDF: 3214040.2/11



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

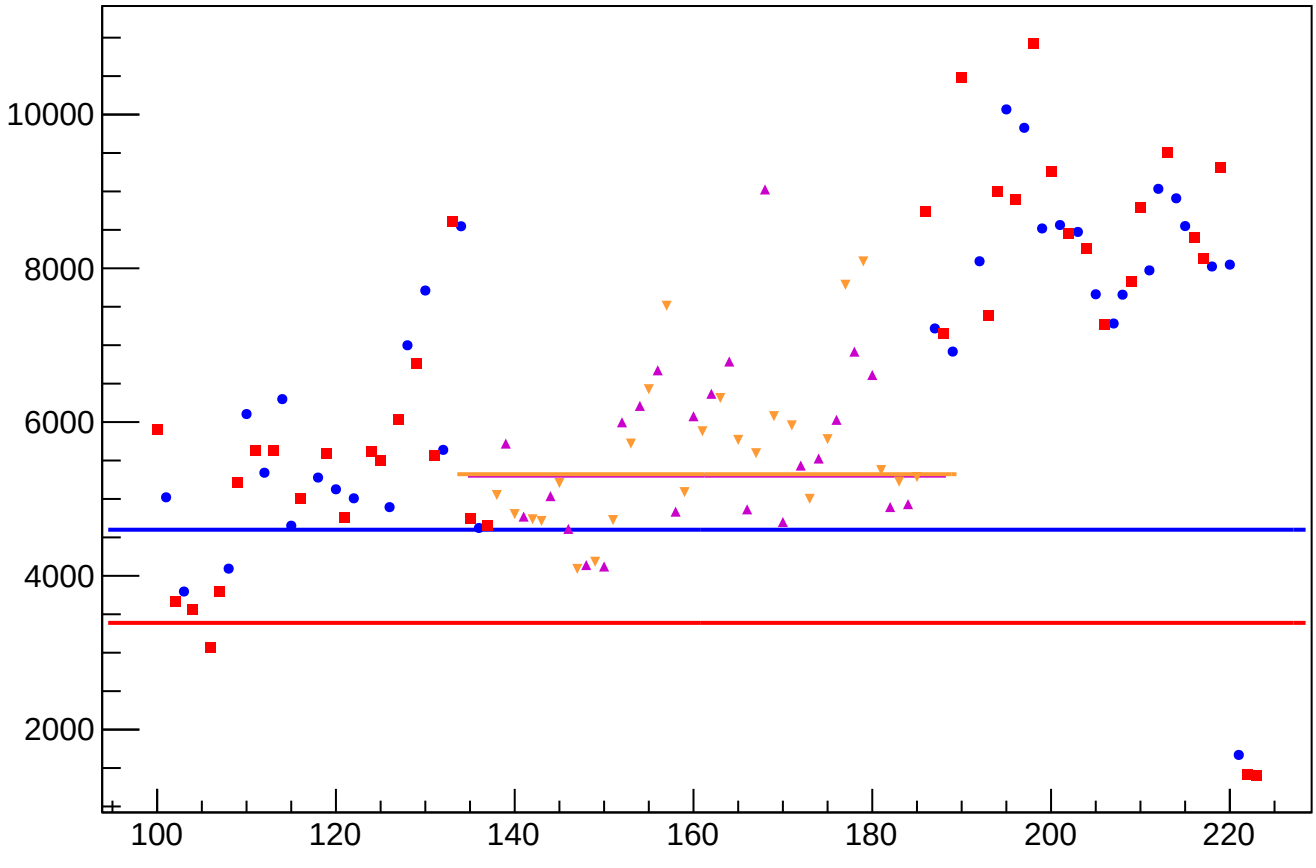
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -240.904+/-711.504 χ^2/NDF: 83.0/71

In: 901.102+/-847.886 χ^2/NDF:57.3/56

Out: -799.609+/-731.504 χ^2/NDF:64.5/62

All: -73.899+/-553.865 χ^2/NDF: 124.0/119



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

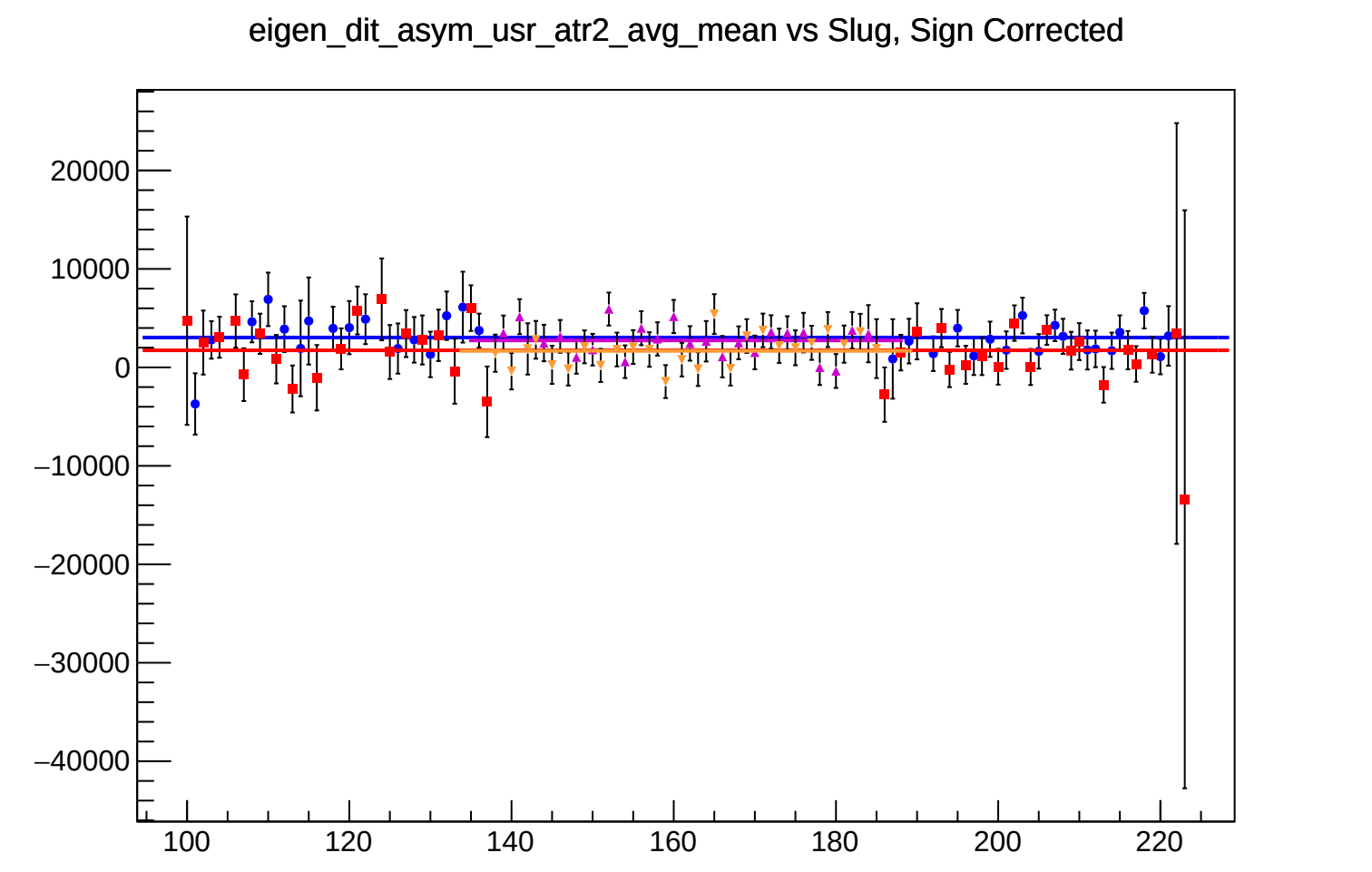
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 3856.565+/-0.503 χ^2/NDF: 29753625.7/71

In: 4916.828+/-0.600 χ^2/NDF:12639873.3/56

Out: 4068.158+/-0.517 χ^2/NDF:21455023.2/62

All: 4430.294+/-0.392 χ^2/NDF: 35243597.4/1



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

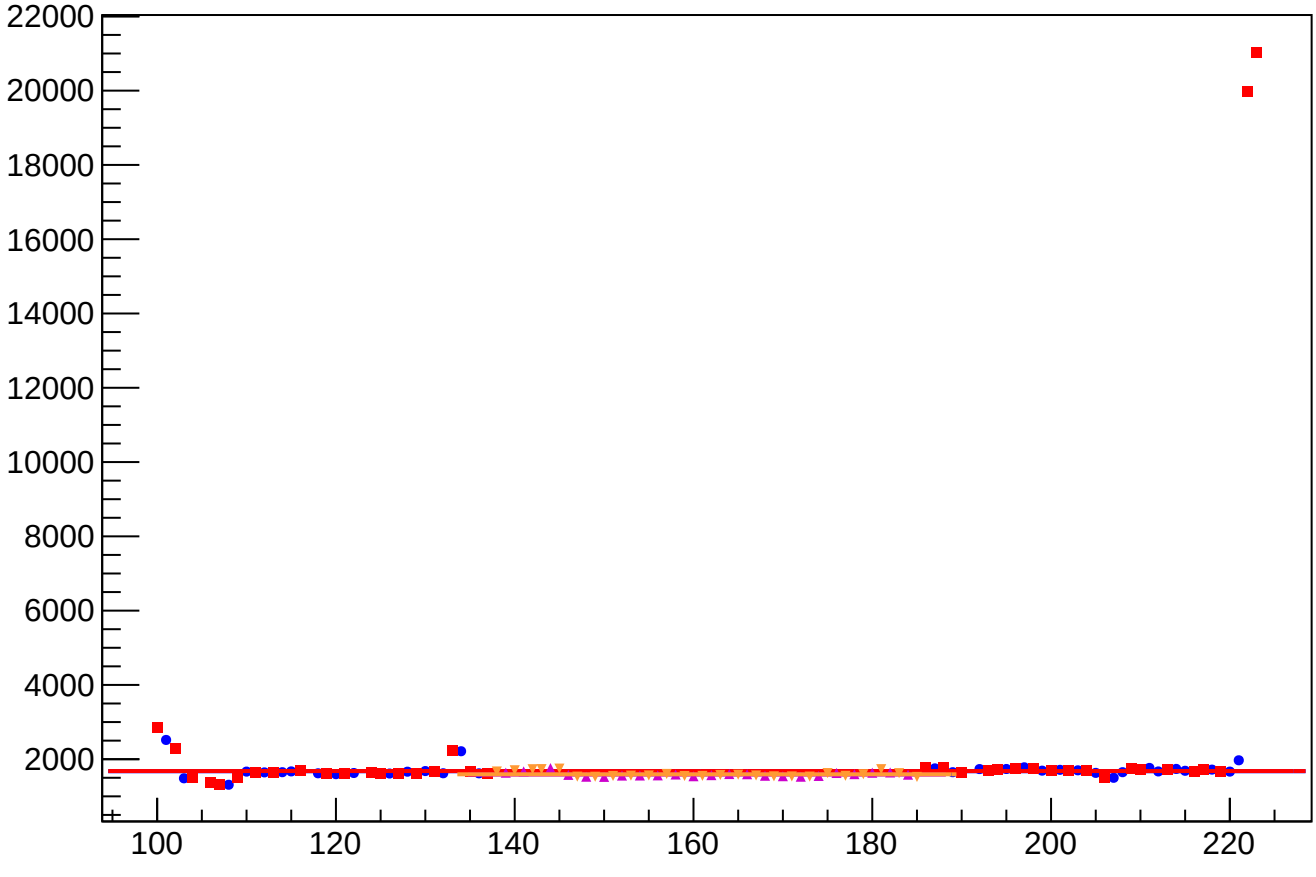
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2389.036+/-257.602 χ^2/NDF: 63.1/71

In: 2890.631+/-259.310 χ^2/NDF:41.0/56

Out: 1706.289+/-257.400 χ^2/NDF:54.2/62

All: 2294.083+/-182.681 χ^2/NDF: 105.7/119



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

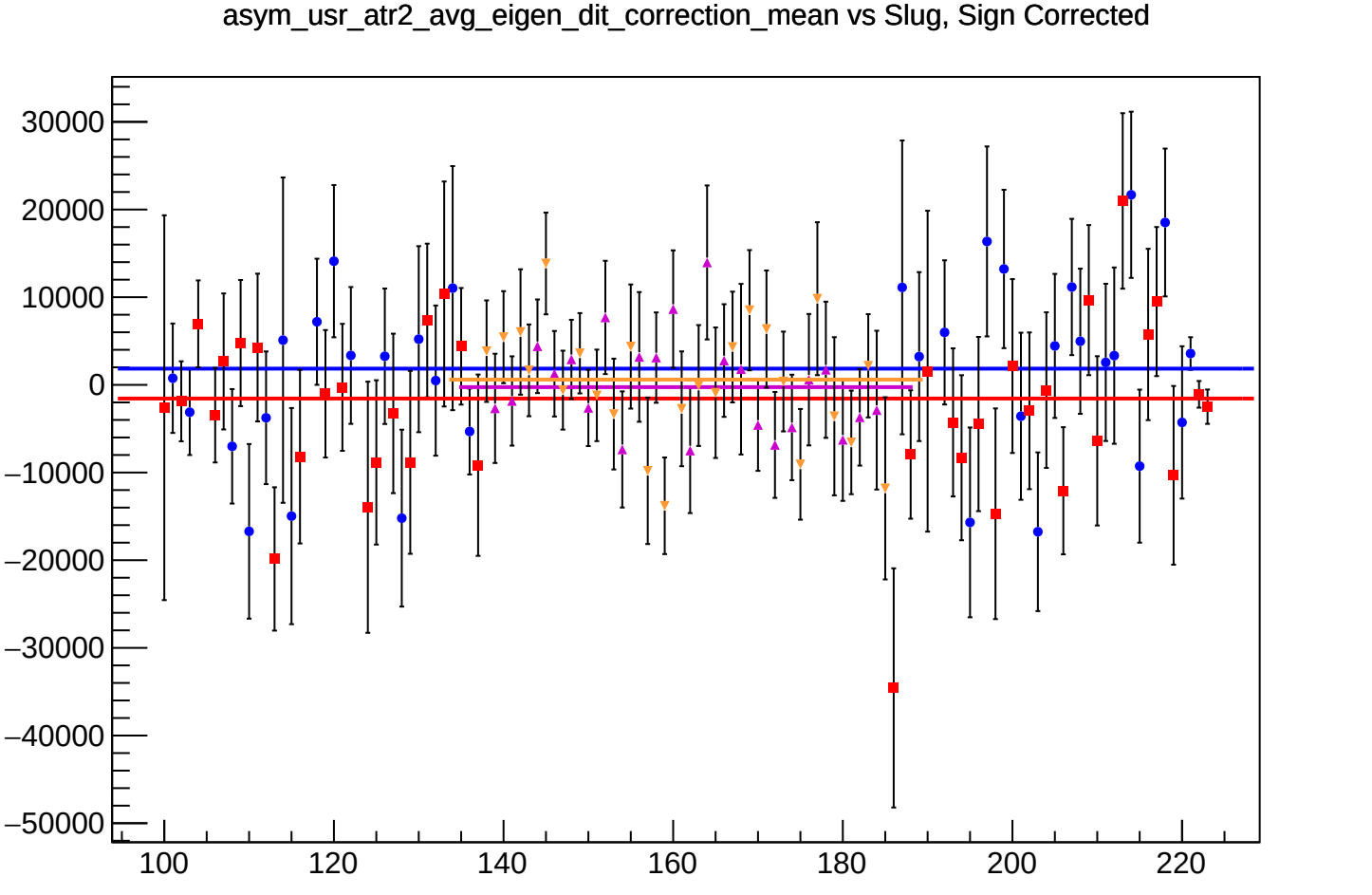
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1678.523+/-0.182 χ^2/NDF: 2981710.7/71

In: 1631.810+/-0.183 χ^2/NDF:447497.6/56

Out: 1636.942+/-0.182 χ^2/NDF:2766145.1/62

All: 1634.395+/-0.129 χ^2/NDF: 3214037.4/11



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

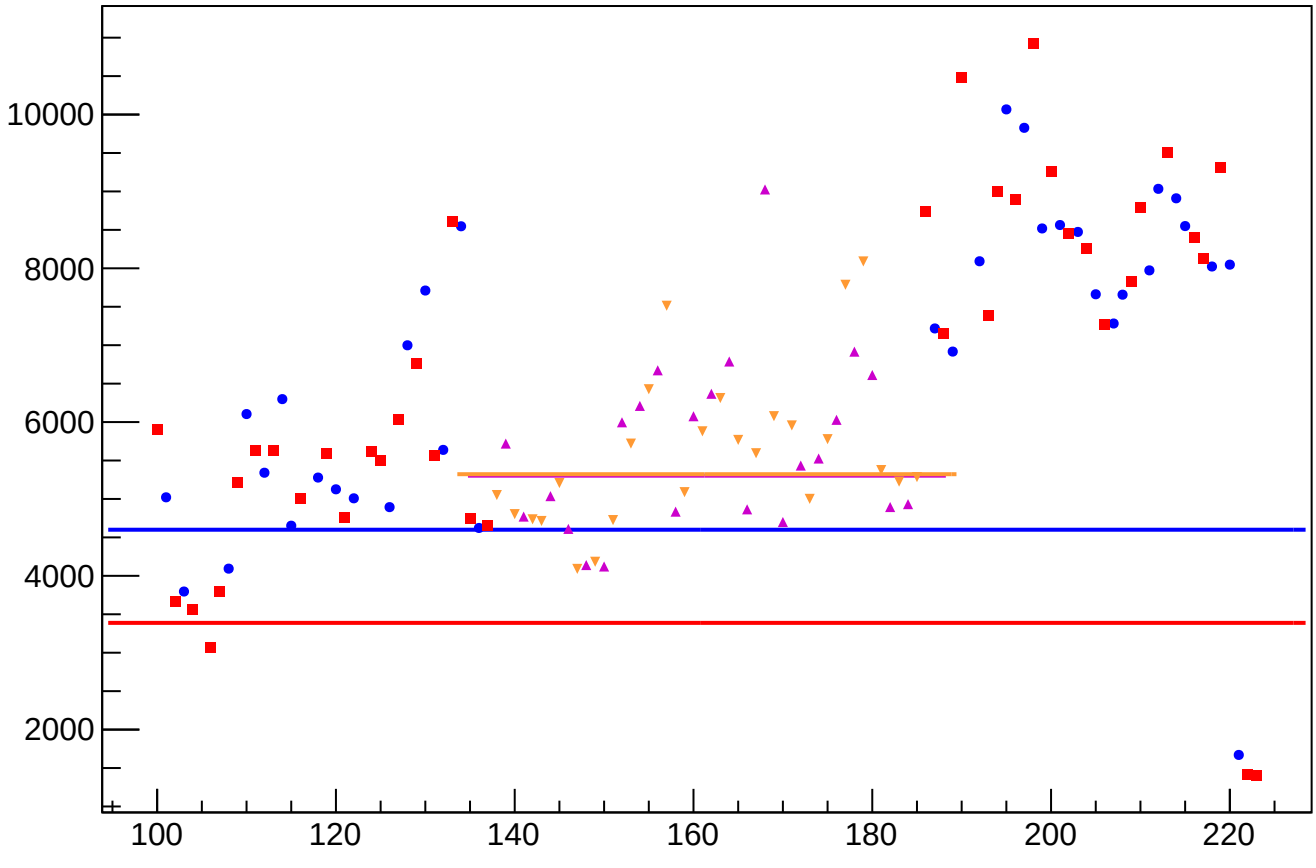
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -240.902+/-711.505 χ^2/NDF: 83.0/71

In: 901.103+/-847.887 χ^2/NDF:57.3/56

Out: -799.610+/-731.505 χ^2/NDF:64.5/62

All: -73.899+/-553.865 χ^2/NDF: 124.0/119



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

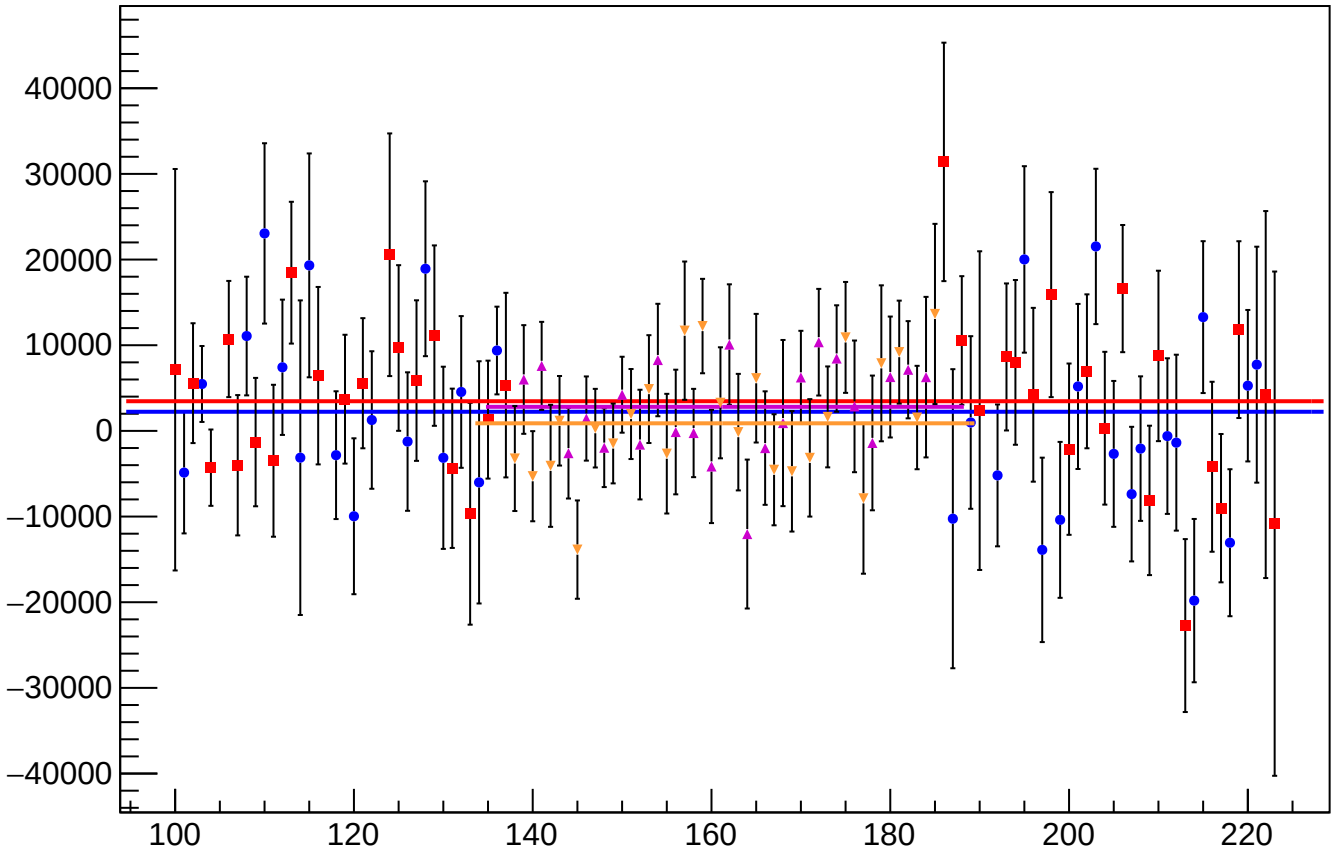
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 3856.567+/-0.503 χ^2/NDF: 29753600.0/71

In: 4916.830+/-0.600 χ^2/NDF:12639899.6/56

Out: 4068.162+/-0.517 χ^2/NDF:21455011.9/62

All: 4430.297+/-0.392 χ^2/NDF: 35243604.4/1



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

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

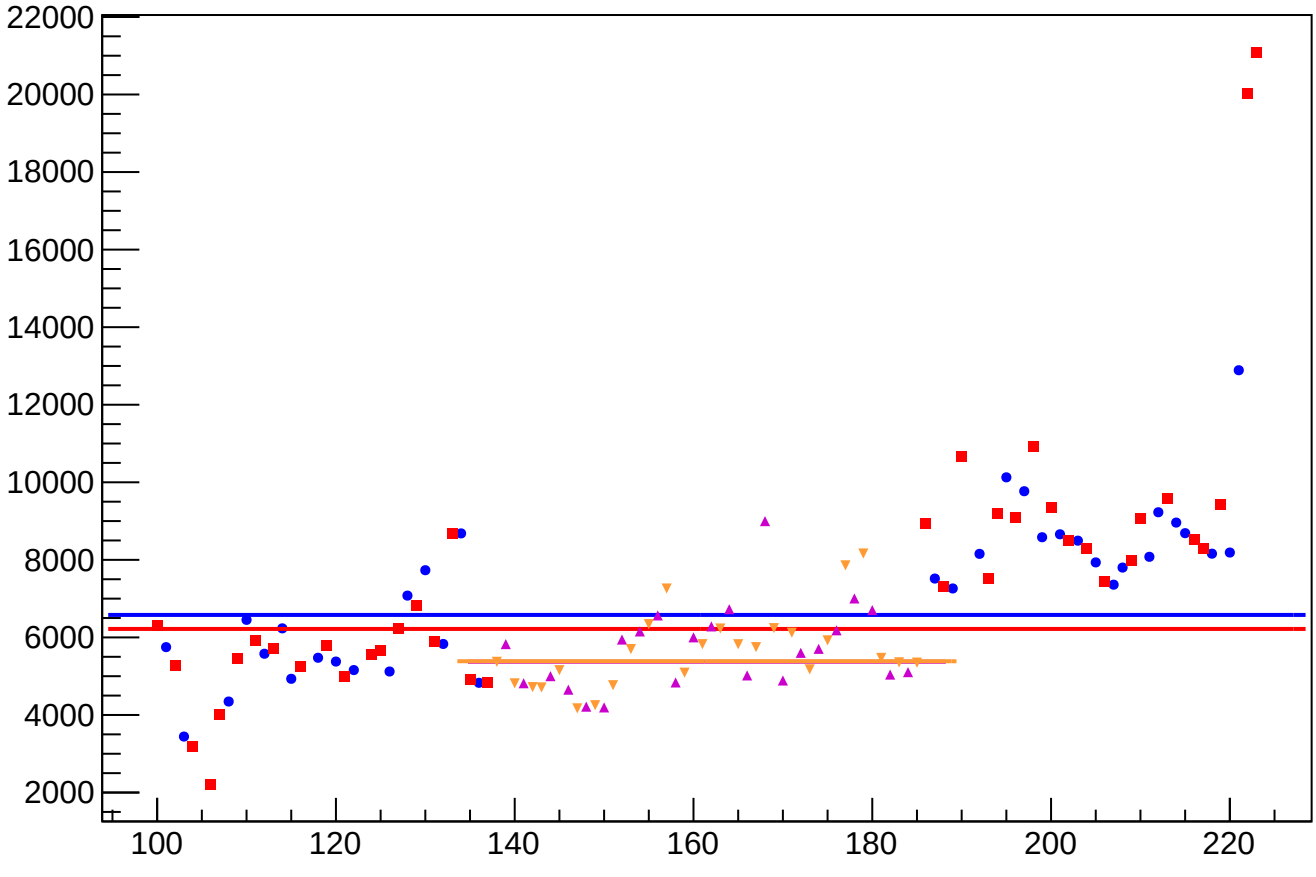
Right: 2854.283+/-1035.326 χ^2/NDF: 79.5/71

In: 2562.595+/-964.689 χ^2/NDF:57.3/56

Out: 1974.986+/-947.034 χ^2/NDF:64.1/62

All: 2263.364+/-675.810 χ^2/NDF: 121.5/119

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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

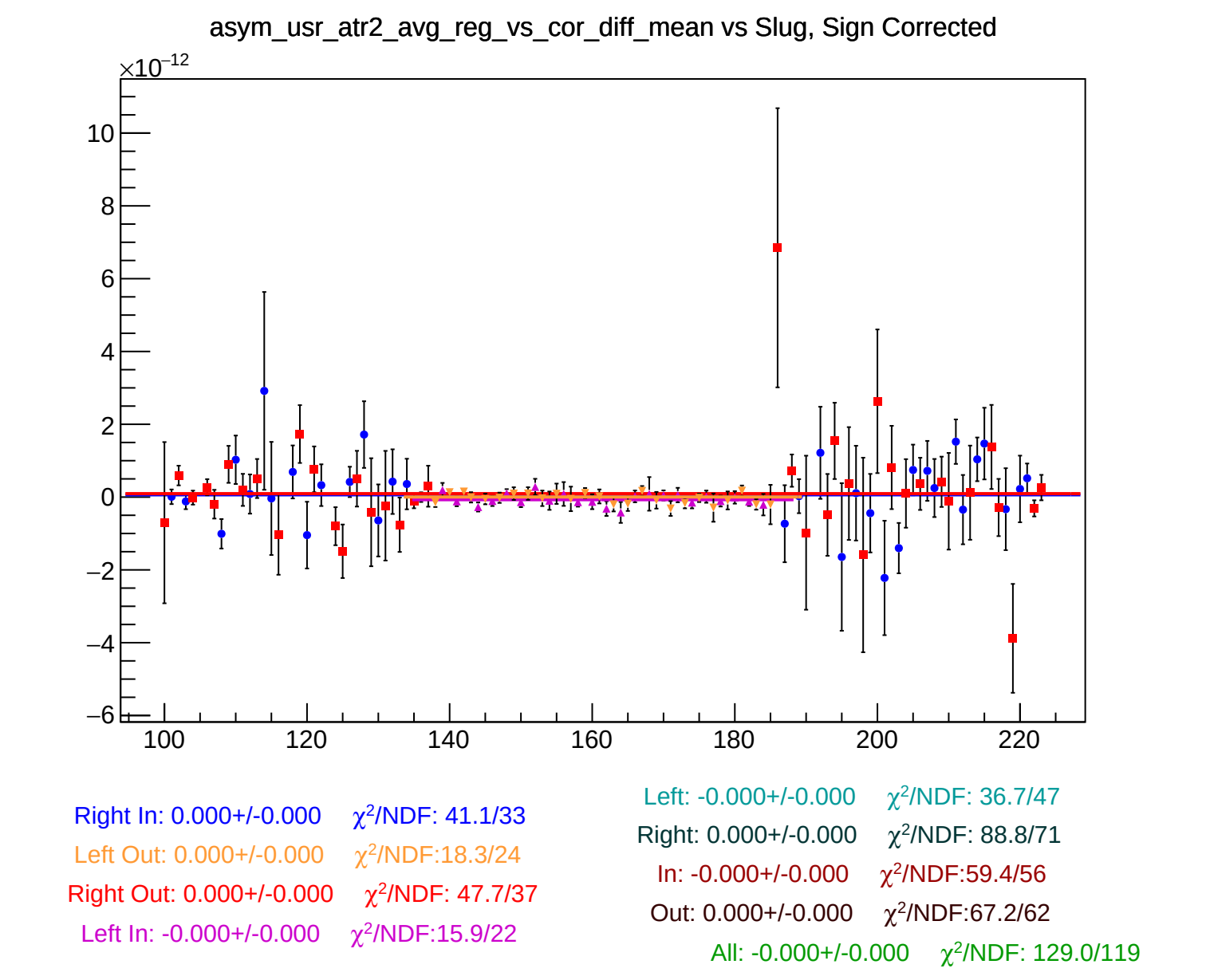
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

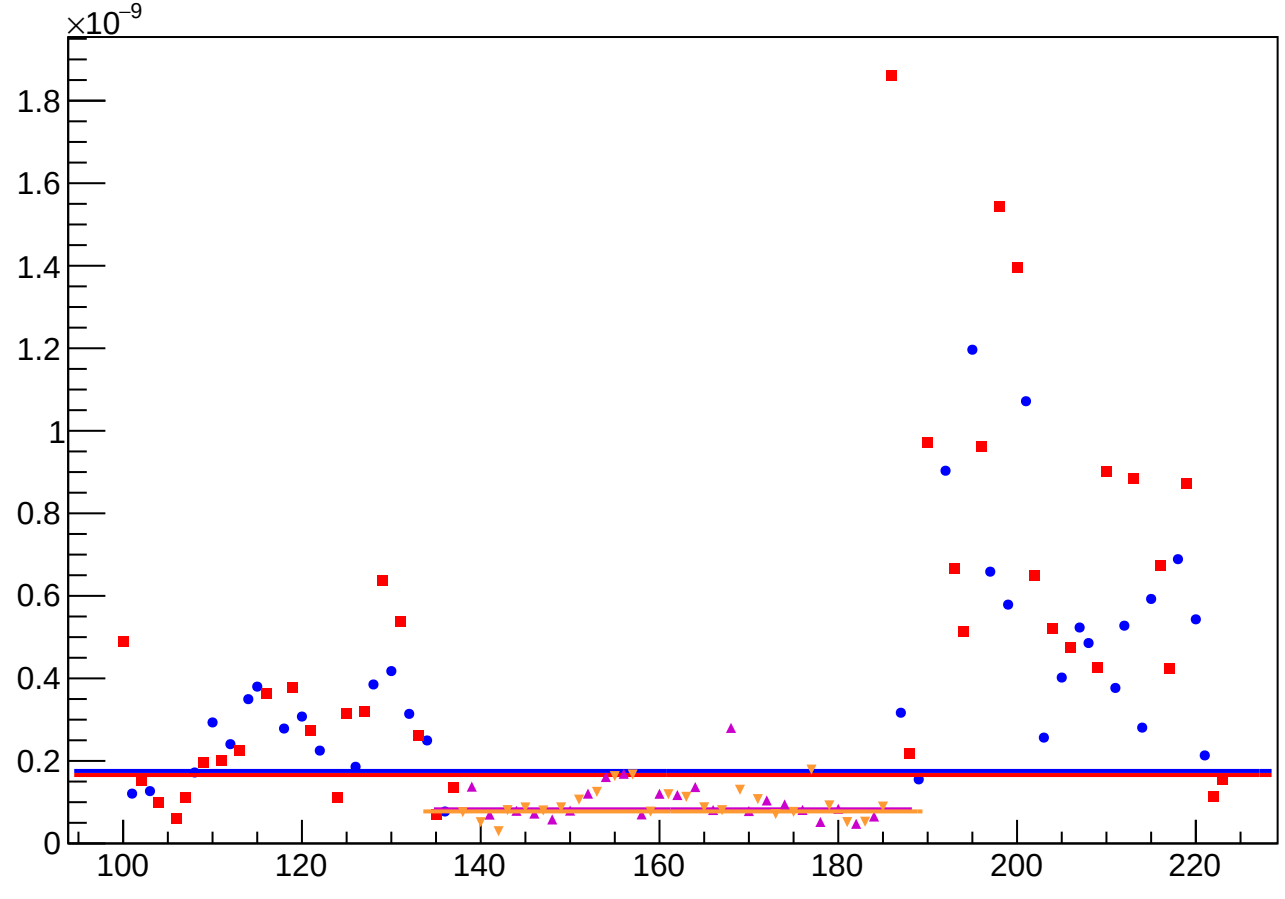
Right: 6393.143+/-0.723 χ^2/NDF: 10230667.0/71

In: 5891.346+/-0.682 χ^2/NDF:5514411.2/56

Out: 5747.525+/-0.663 χ^2/NDF:7868203.6/62

All: 5817.376+/-0.475 χ^2/NDF: 13405477.4/1


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 41.1/33
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 47.7/37
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 88.8/71
In: -0.000+/-0.000 χ²/NDF:59.4/56
Out: 0.000+/-0.000 χ²/NDF:67.2/62
All: -0.000+/-0.000 χ²/NDF: 129.0/119



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

Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

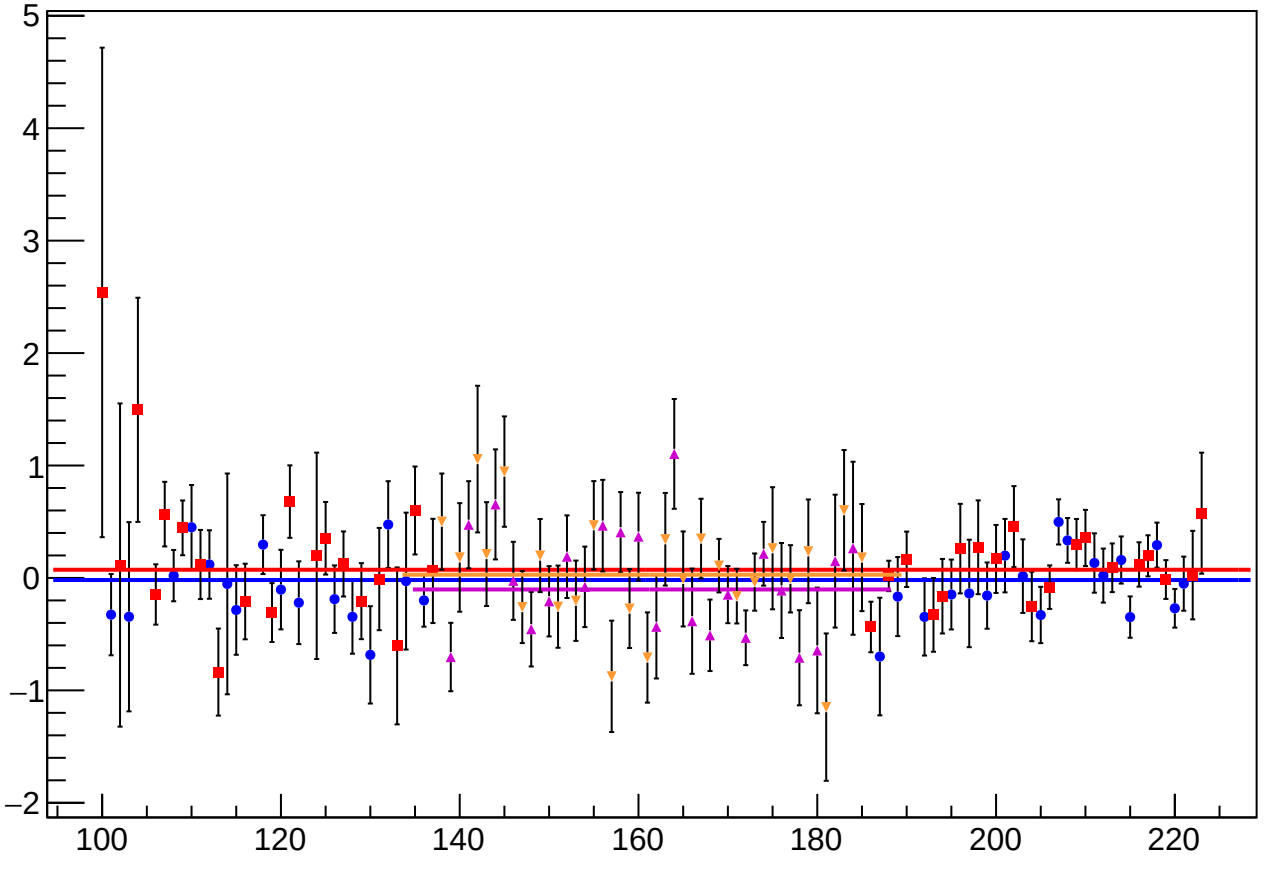
Right: 0.000+/-0.000 χ^2/NDF: 15835125.6/71

In: 0.000+/-0.000 χ^2/NDF:10798972.9/56

Out: 0.000+/-0.000 χ^2/NDF:12869338.0/62

All: 0.000+/-0.000 χ^2/NDF: 23724210.7/119

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

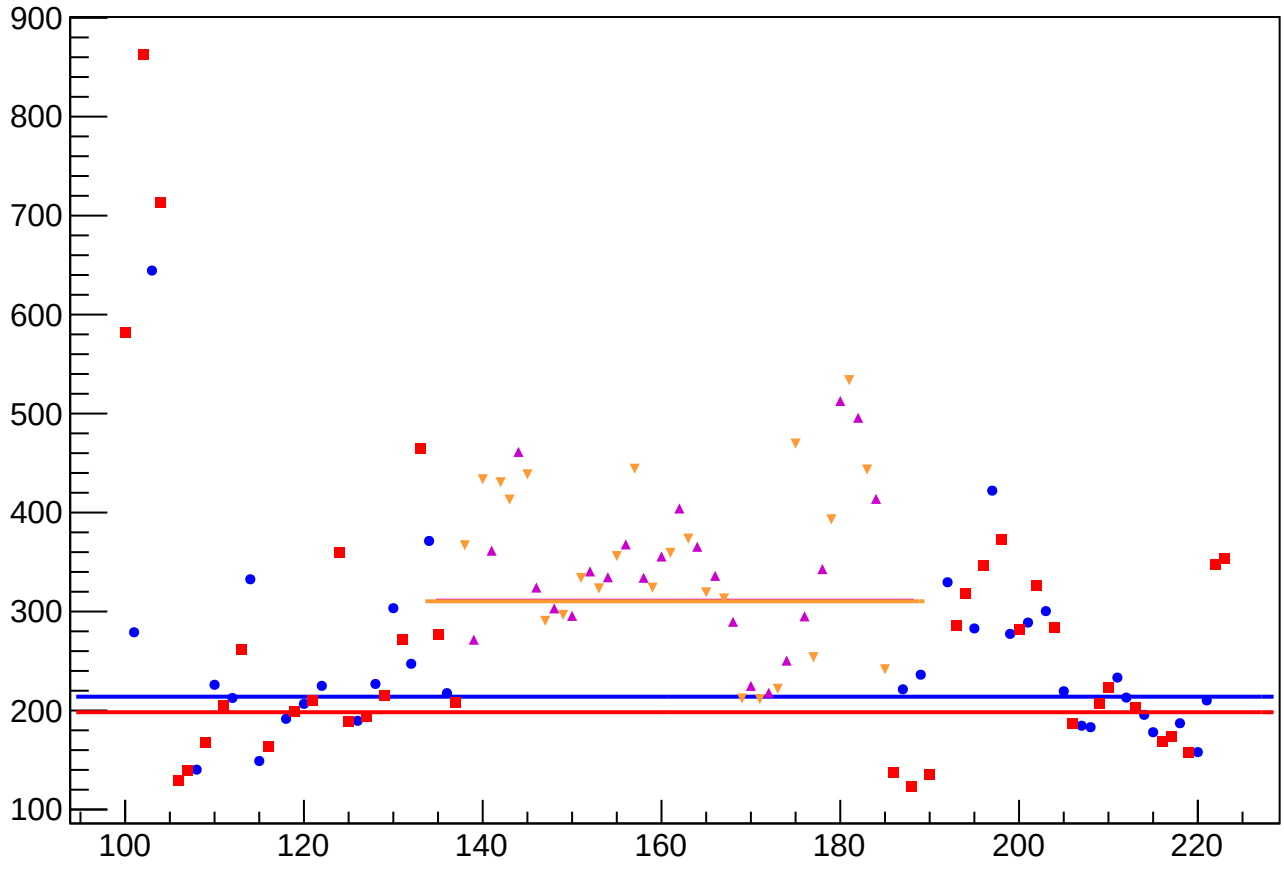
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.030+/-0.033 χ^2/NDF: 76.8/71

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.061+/-0.039 χ^2/NDF:65.9/62

All: 0.011+/-0.028 χ^2/NDF: 137.1/119



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

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

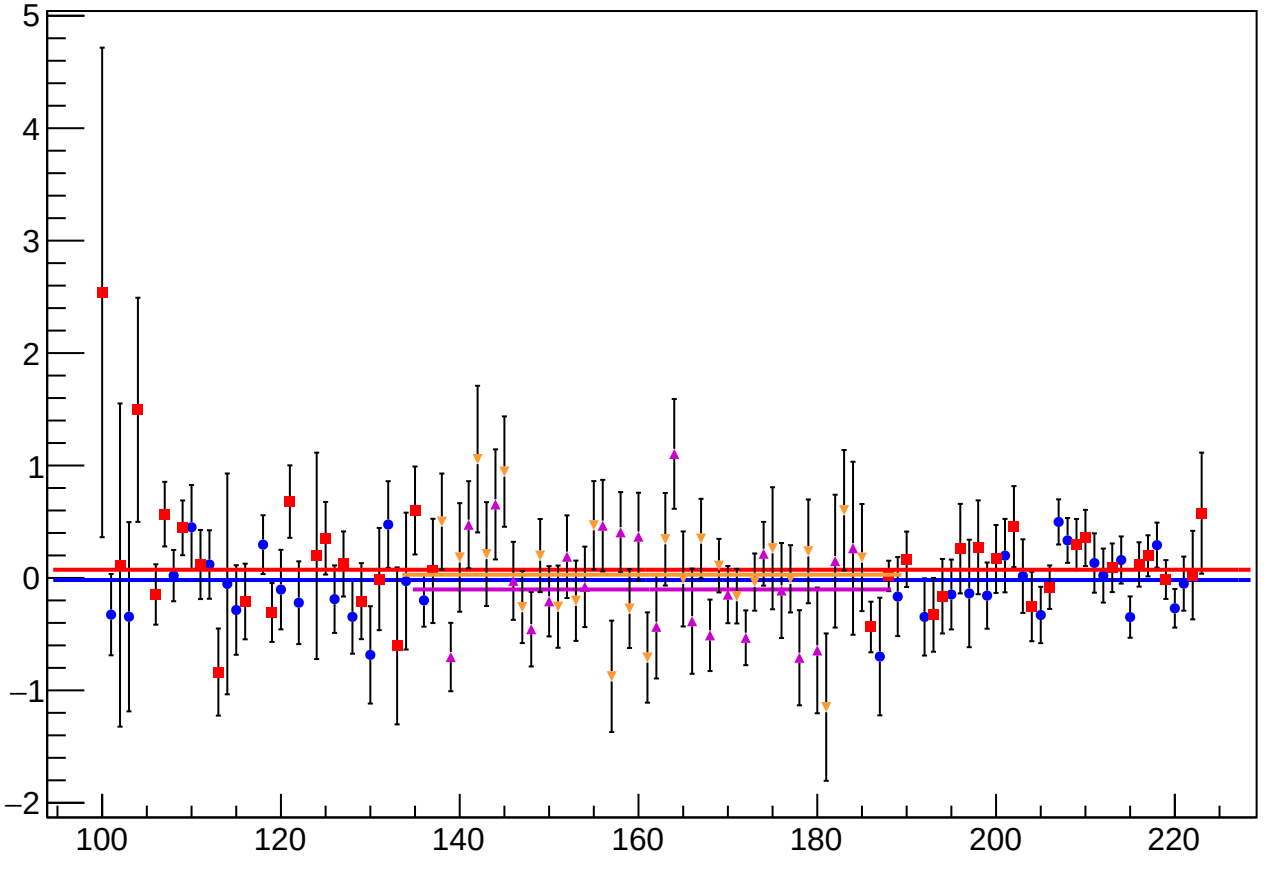
Right: 205.698+/-0.023 χ^2/NDF: 7767535.2/71

In: 241.769+/-0.029 χ^2/NDF:6550692.0/56

Out: 228.884+/-0.028 χ^2/NDF:10653140.5/62

All: 235.036+/-0.020 χ^2/NDF: 17307958.0/1

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

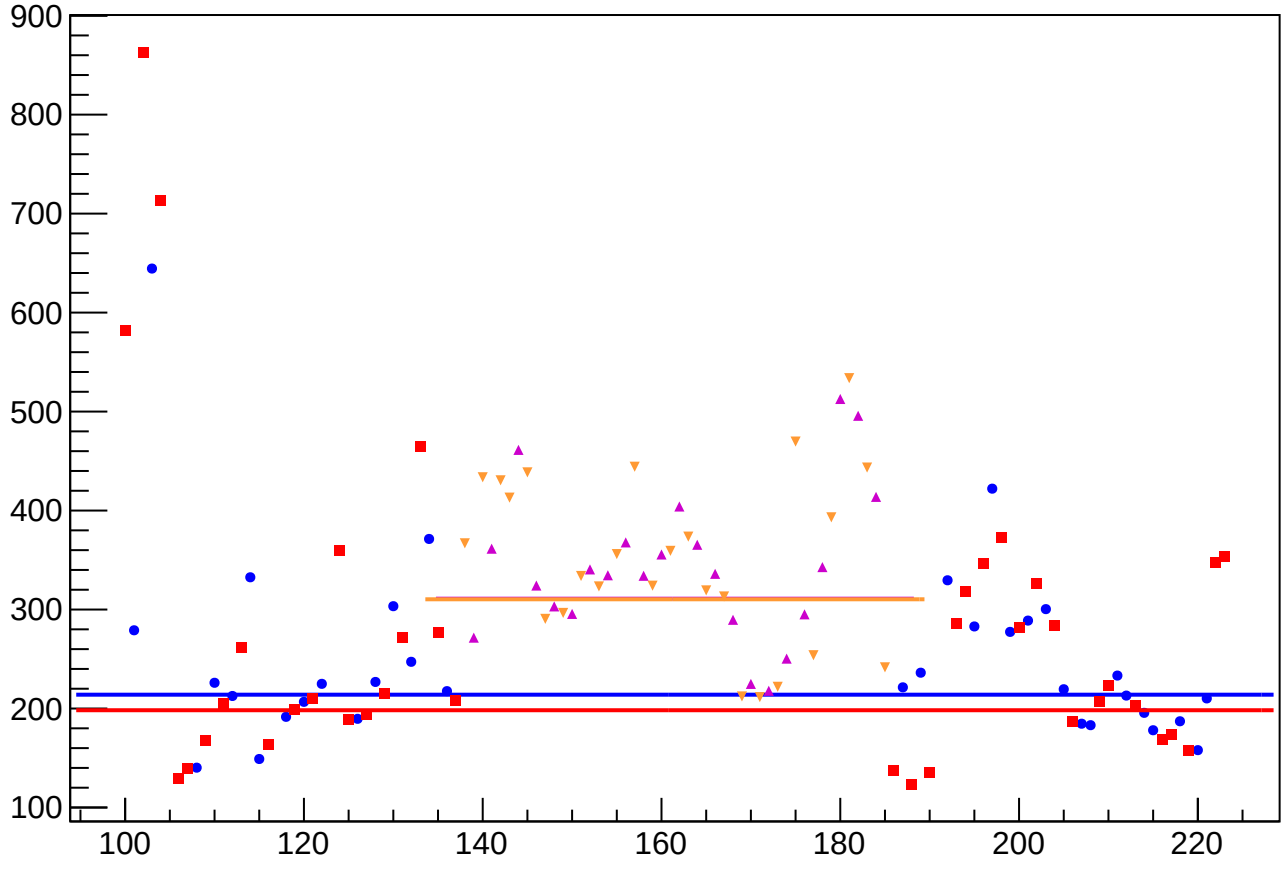
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.030+/-0.033 χ^2/NDF: 76.8/71

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.061+/-0.039 χ^2/NDF:65.9/62

All: 0.011+/-0.028 χ^2/NDF: 137.1/119



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

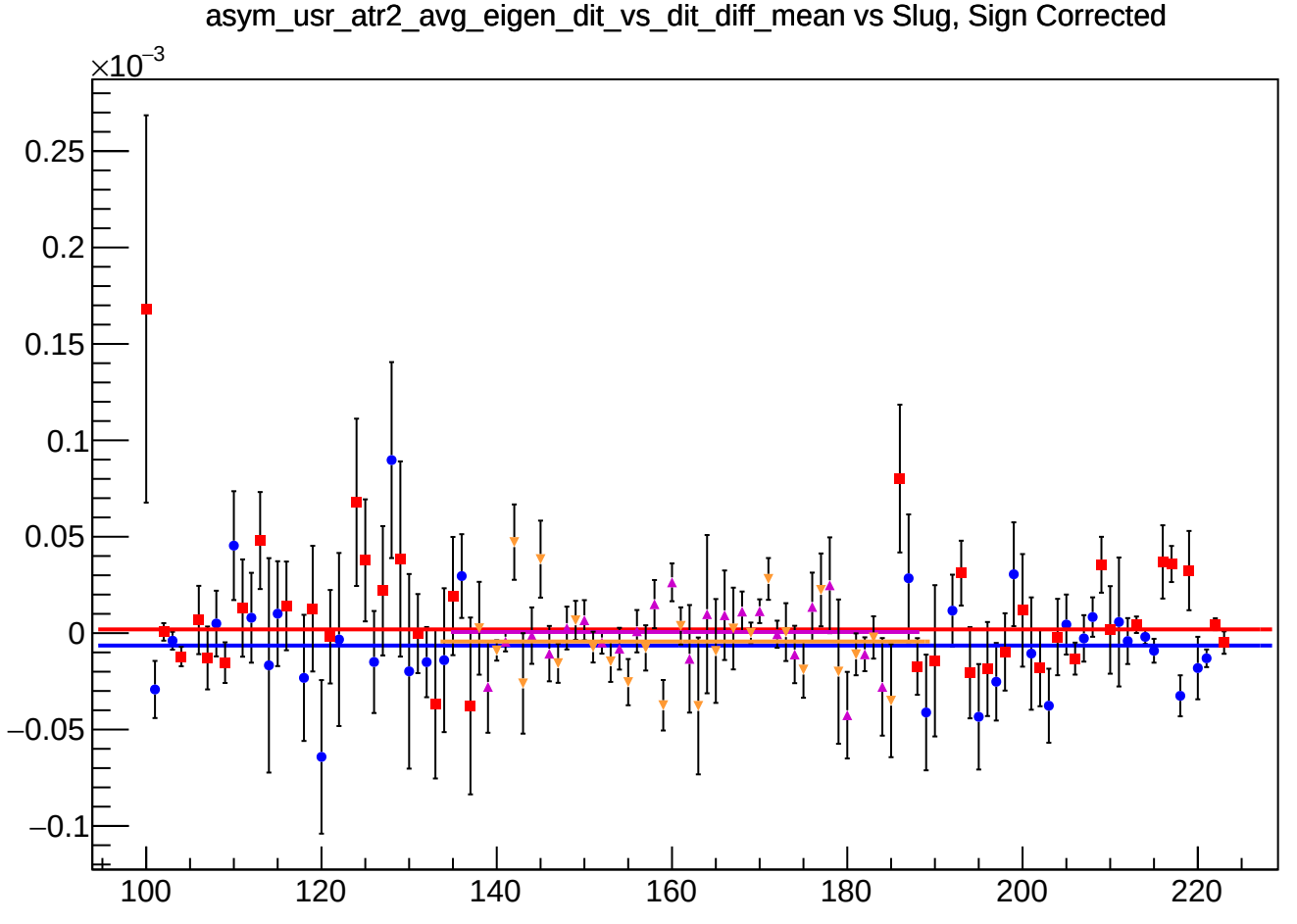
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 205.698+/-0.023 χ^2/NDF: 7767535.2/71

In: 241.769+/-0.029 χ^2/NDF:6550692.0/56

Out: 228.884+/-0.028 χ^2/NDF:10653140.5/62

All: 235.036+/-0.020 χ^2/NDF: 17307958.0/1



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

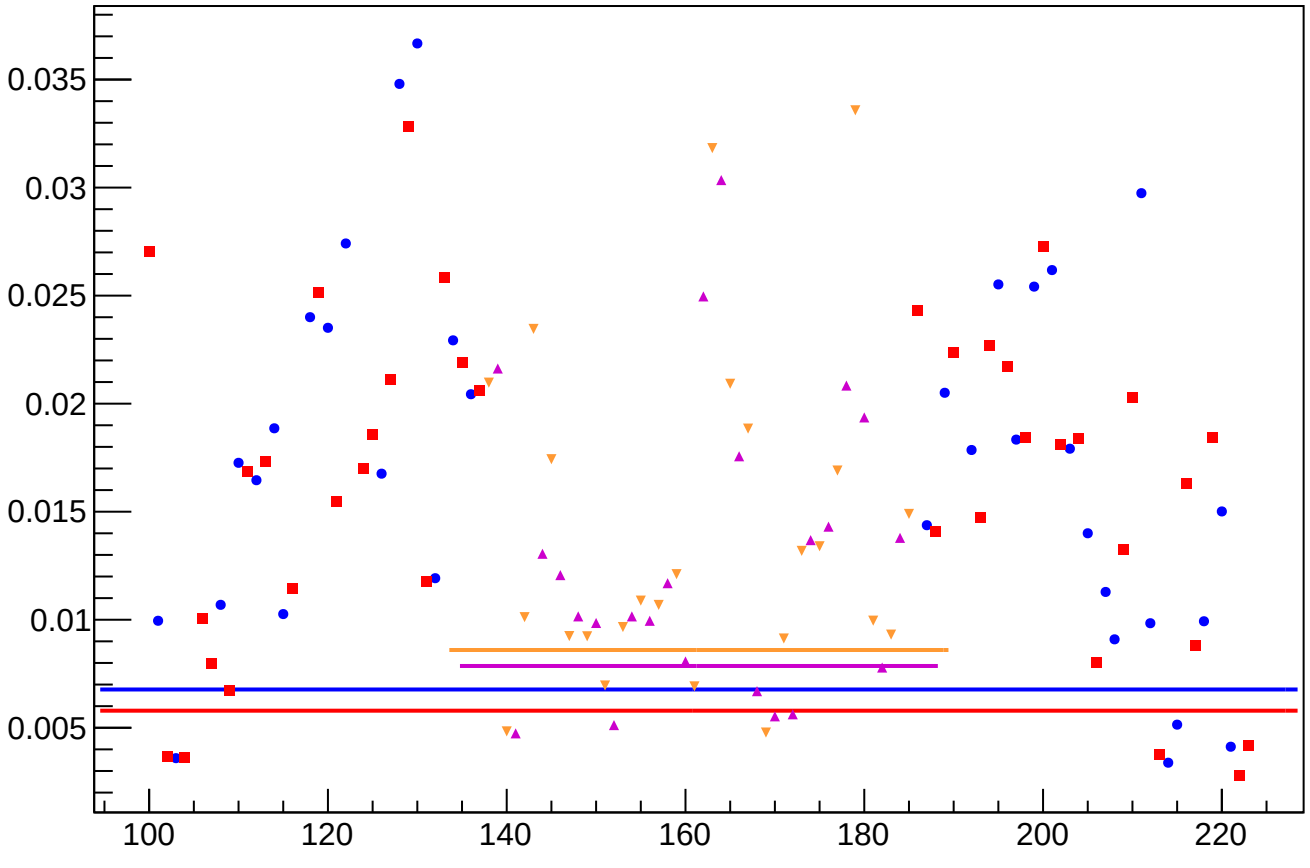
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 118.1/71

In: -0.000+/-0.000 χ^2/NDF:72.7/56

Out: -0.000+/-0.000 χ^2/NDF:114.2/62

All: -0.000+/-0.000 χ^2/NDF: 189.5/119



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

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

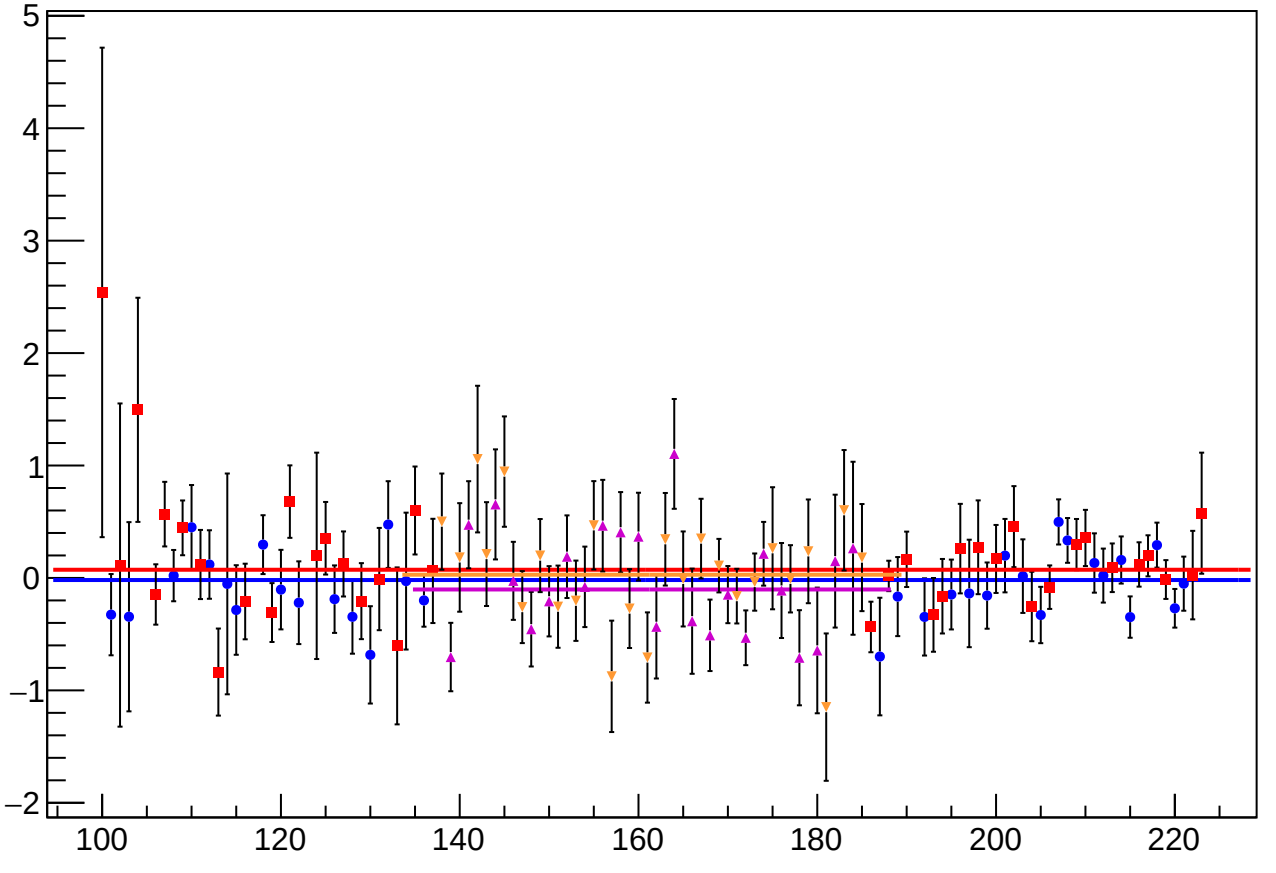
Right: 0.006+/-0.000 χ^2/NDF: 35804241.4/71

In: 0.007+/-0.000 χ^2/NDF:23658124.0/56

Out: 0.007+/-0.000 χ^2/NDF:28596186.3/62

All: 0.007+/-0.000 χ^2/NDF: 52376834.7/119

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

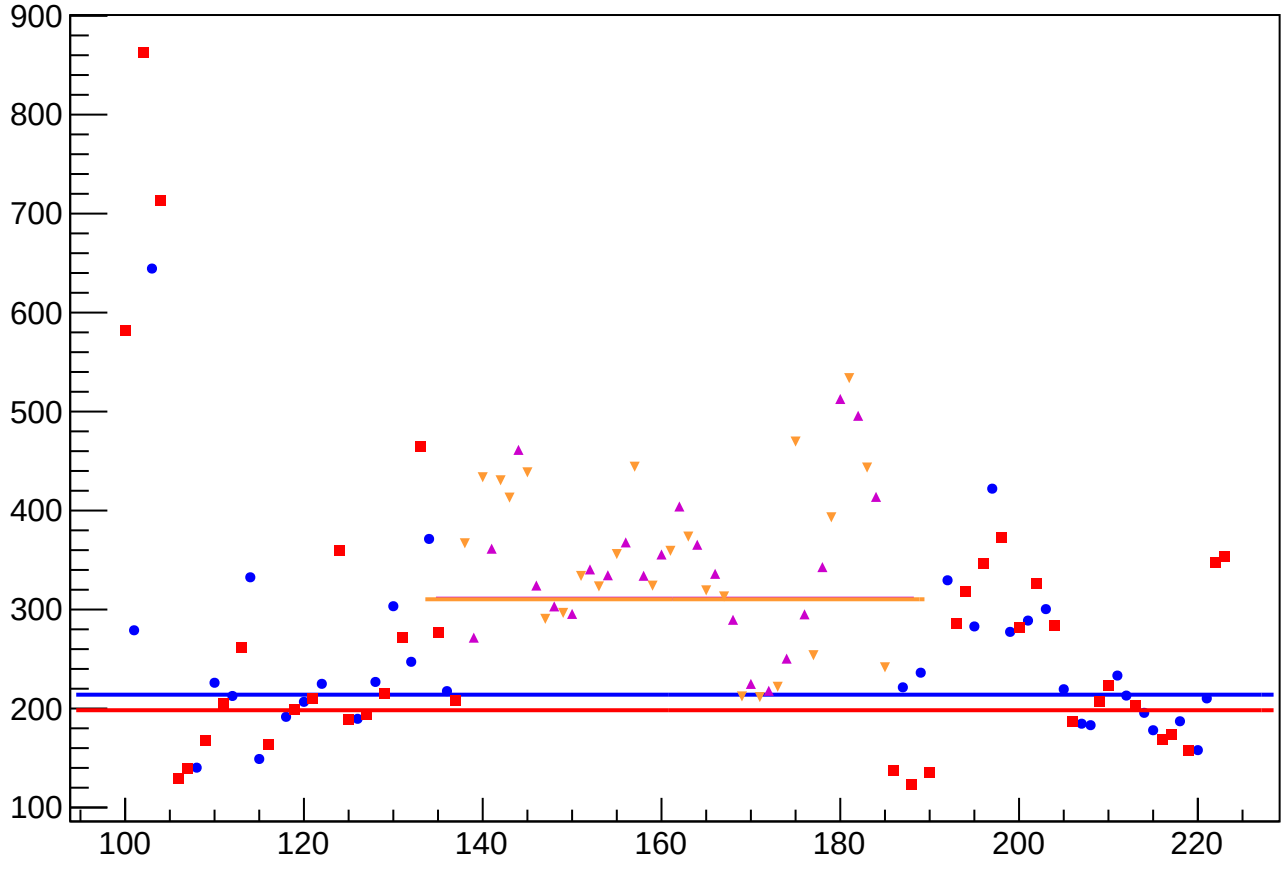
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.030+/-0.033 χ^2/NDF: 76.8/71

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.061+/-0.039 χ^2/NDF:65.9/62

All: 0.011+/-0.028 χ^2/NDF: 137.1/119



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

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

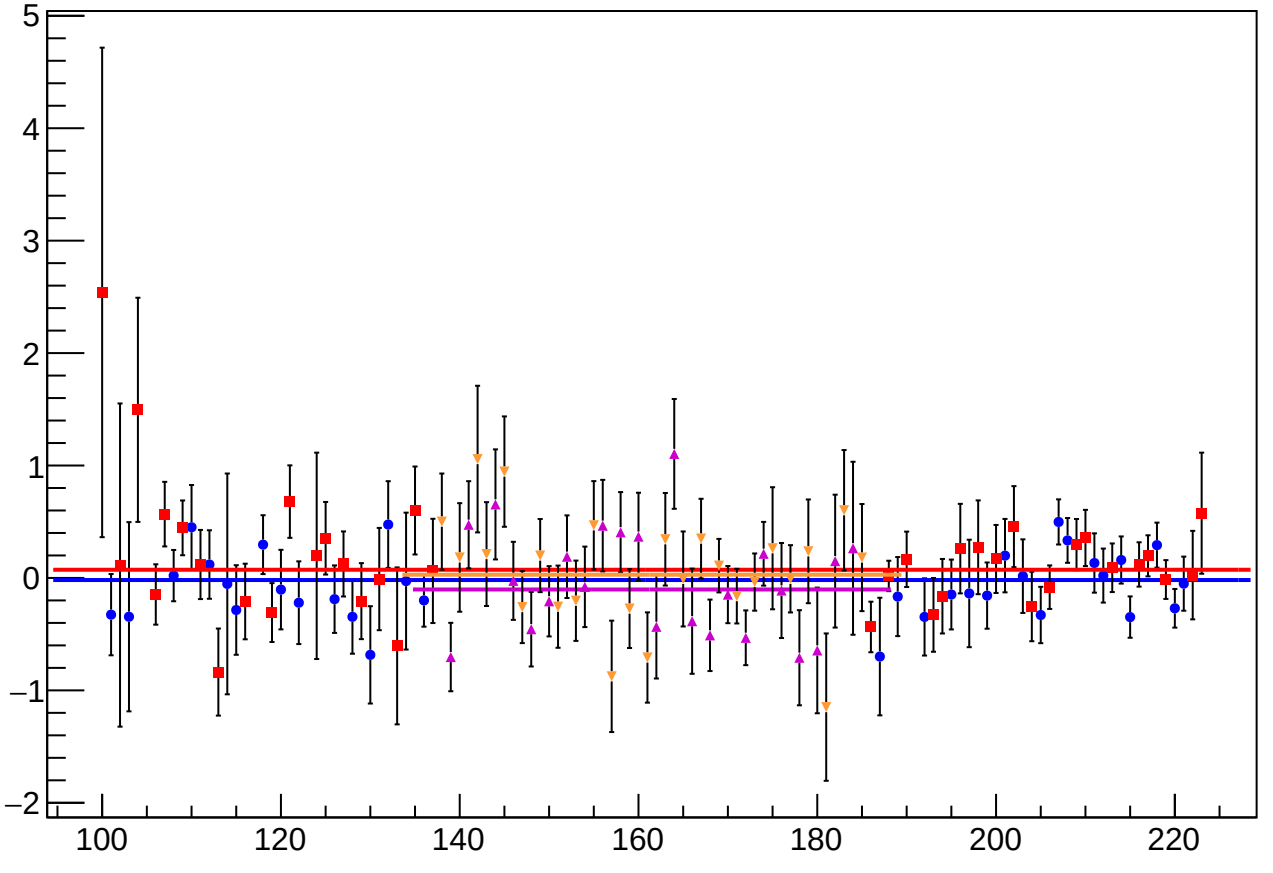
Right: 205.697+/-0.023 χ^2/NDF: 7767690.5/71

In: 241.769+/-0.029 χ^2/NDF:6550876.6/56

Out: 228.883+/-0.028 χ^2/NDF:10653575.6/62

All: 235.036+/-0.020 χ^2/NDF: 17308596.9/11

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

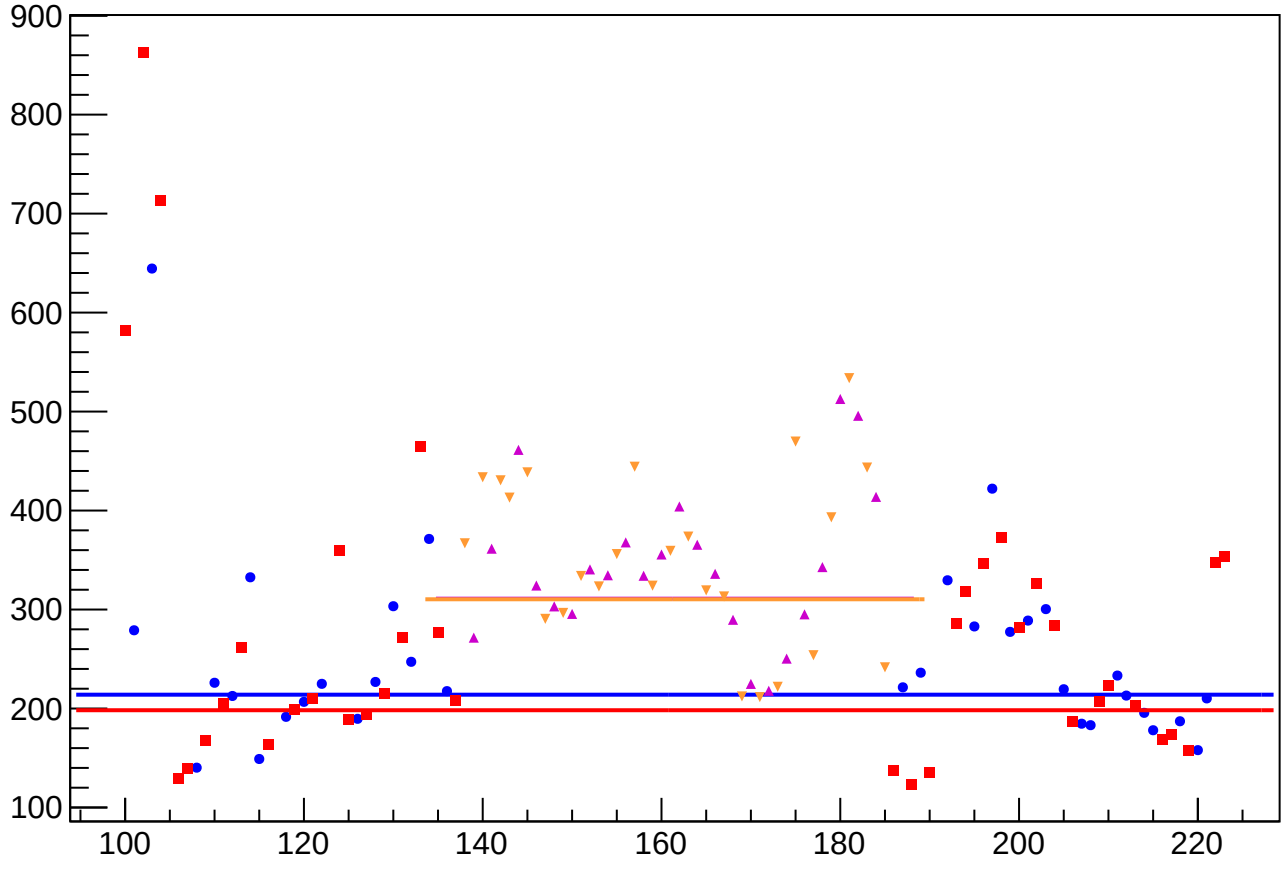
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.030+/-0.033 χ^2/NDF: 76.8/71

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.061+/-0.039 χ^2/NDF:65.9/62

All: 0.011+/-0.028 χ^2/NDF: 137.1/119



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

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

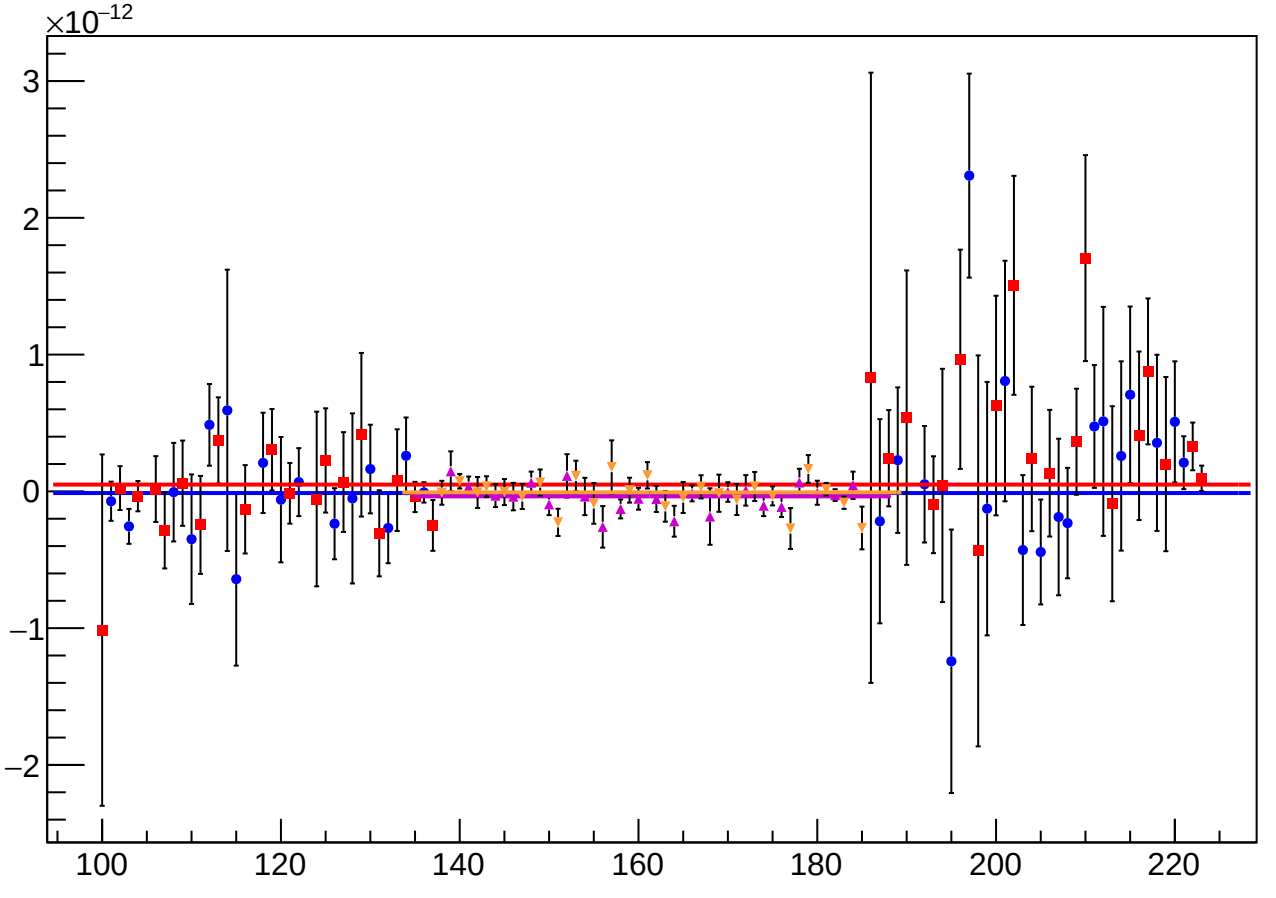
Right: 205.697+/-0.023 χ^2/NDF: 7767690.5/71

In: 241.769+/-0.029 χ^2/NDF:6550876.6/56

Out: 228.883+/-0.028 χ^2/NDF:10653575.6/62

All: 235.036+/-0.020 χ^2/NDF: 17308596.9/11

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/37

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

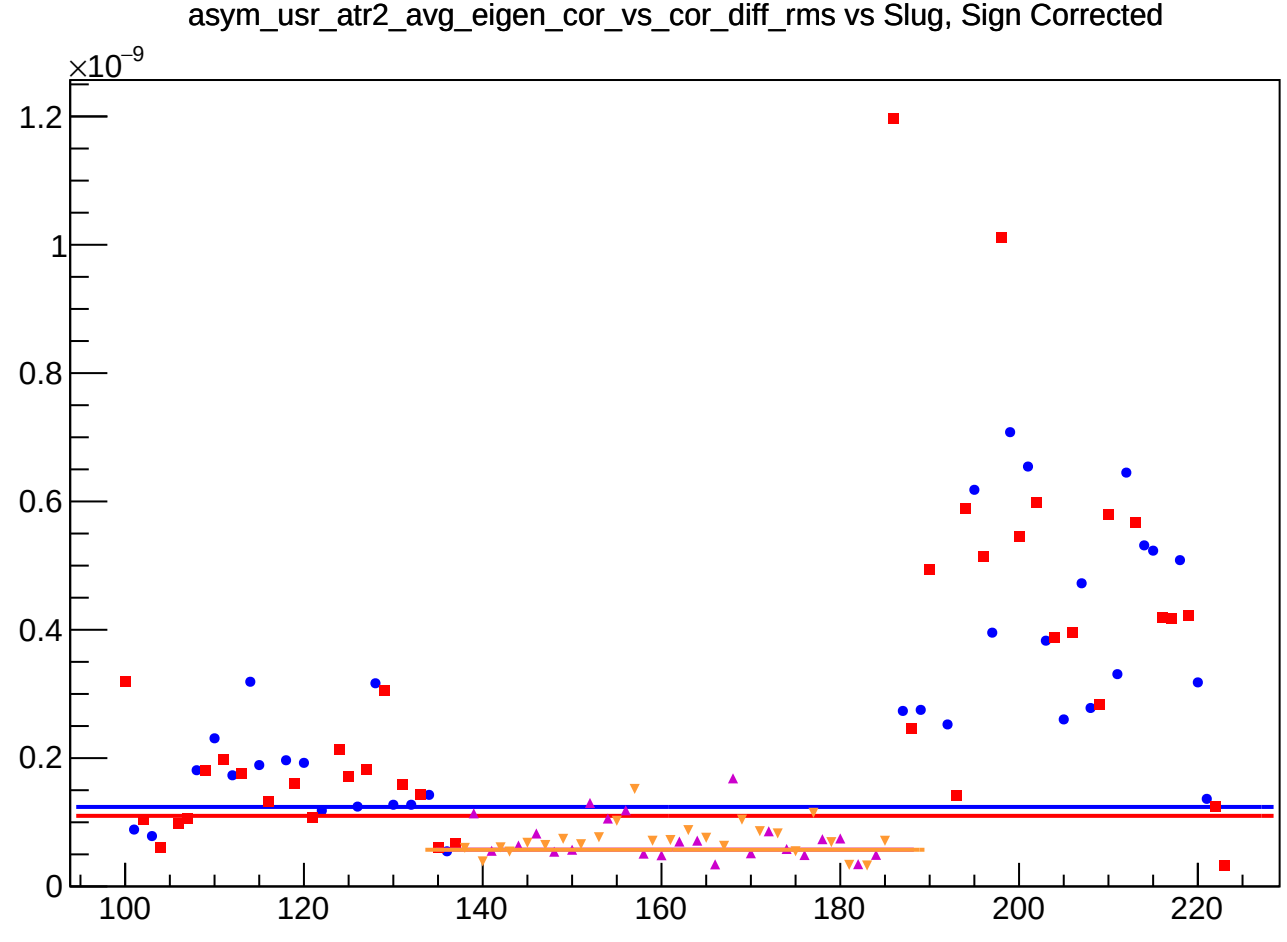
Left: -0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 61.7/71

In: -0.000+/-0.000 χ^2/NDF:49.6/56

Out: 0.000+/-0.000 χ^2/NDF:55.5/62

All: -0.000+/-0.000 χ^2/NDF: 107.4/119



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

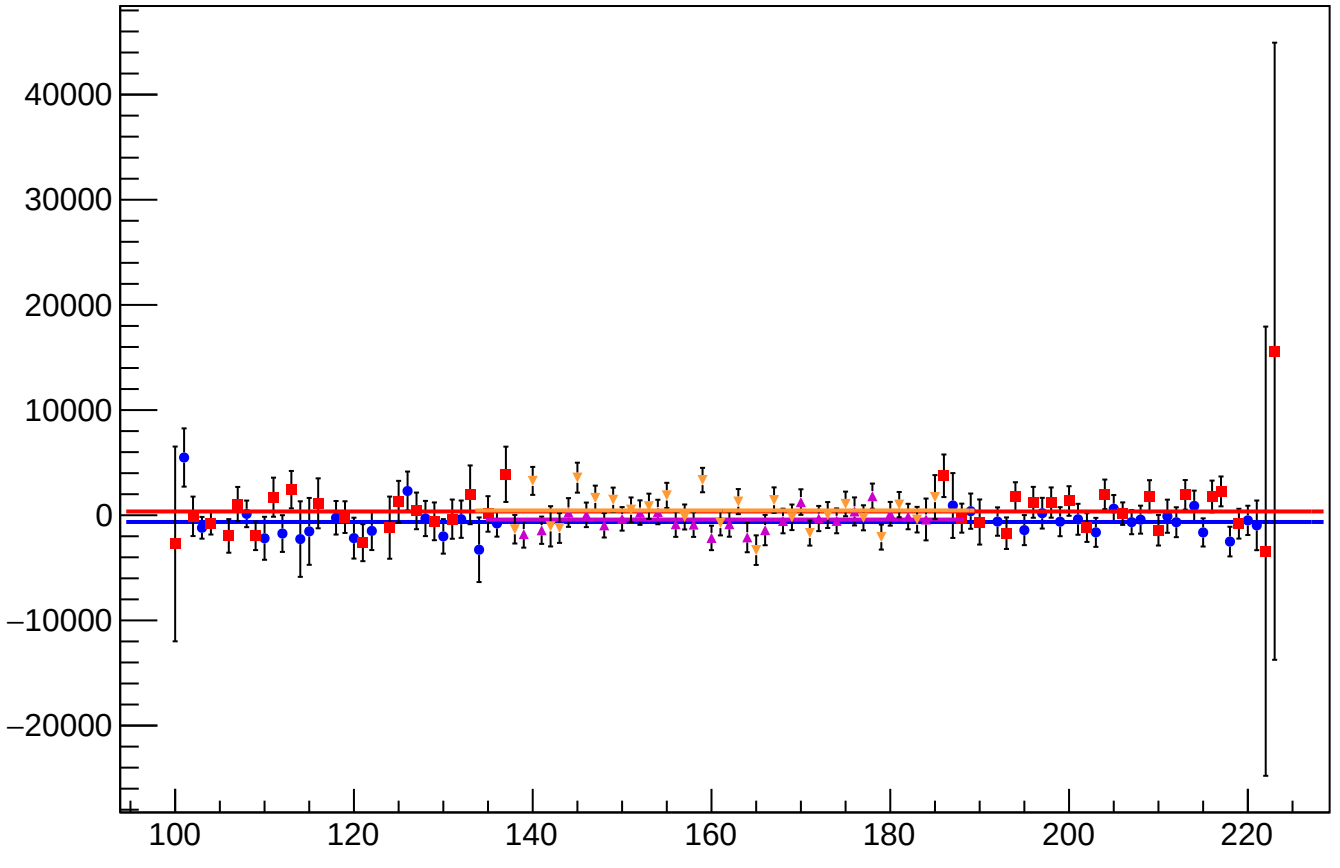
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 23570670.7/71

In: 0.000+/-0.000 χ^2/NDF:17978588.5/56

Out: 0.000+/-0.000 χ^2/NDF:18569846.9/62

All: 0.000+/-0.000 χ^2/NDF: 36553803.0/119



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

Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

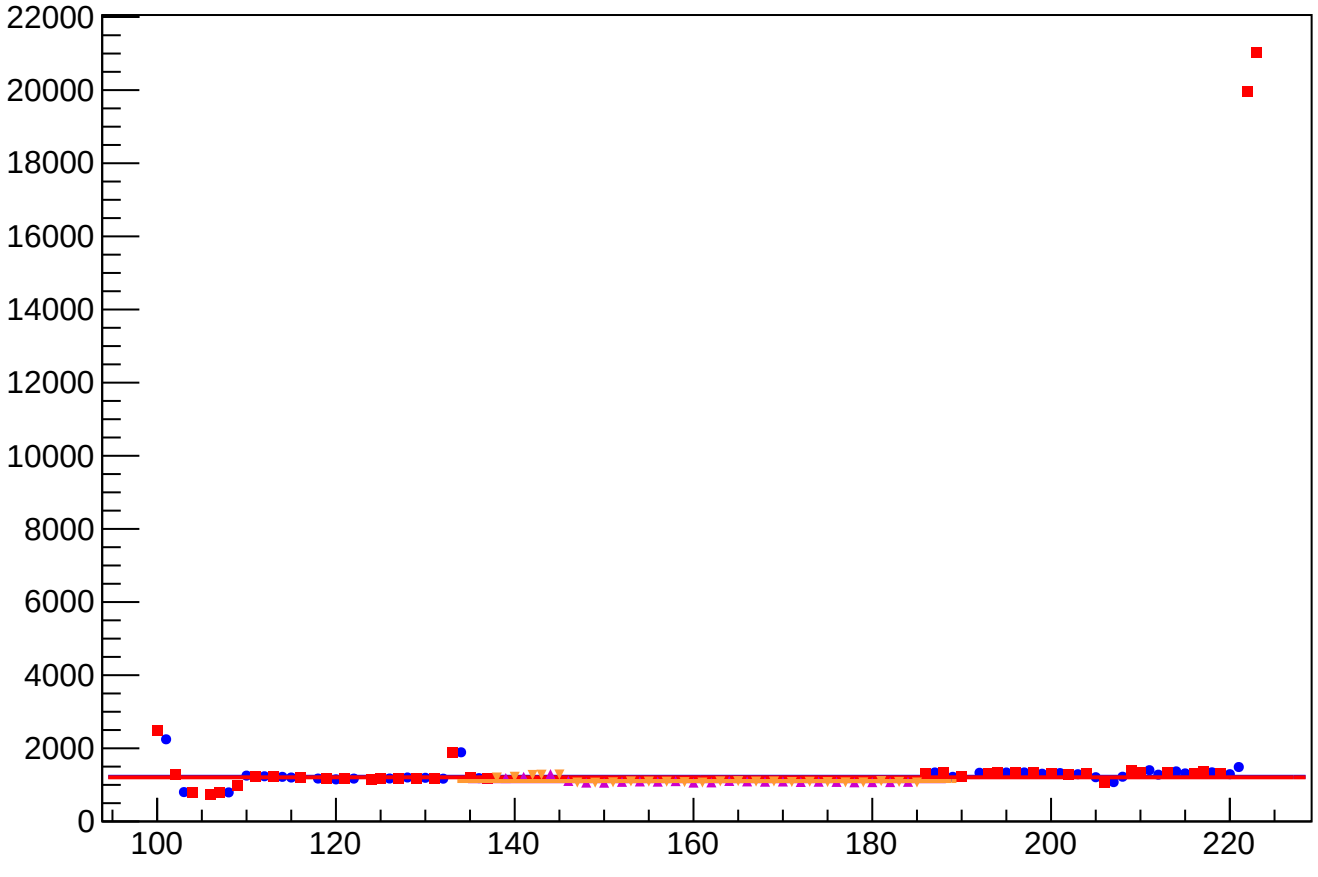
Right: -139.834+/-188.747 χ^2/NDF: 56.9/71

In: -521.650+/-185.331 χ^2/NDF:32.1/56

Out: 411.565+/-182.949 χ^2/NDF:73.9/62

All: -49.007+/-130.199 χ^2/NDF: 118.9/119

reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



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

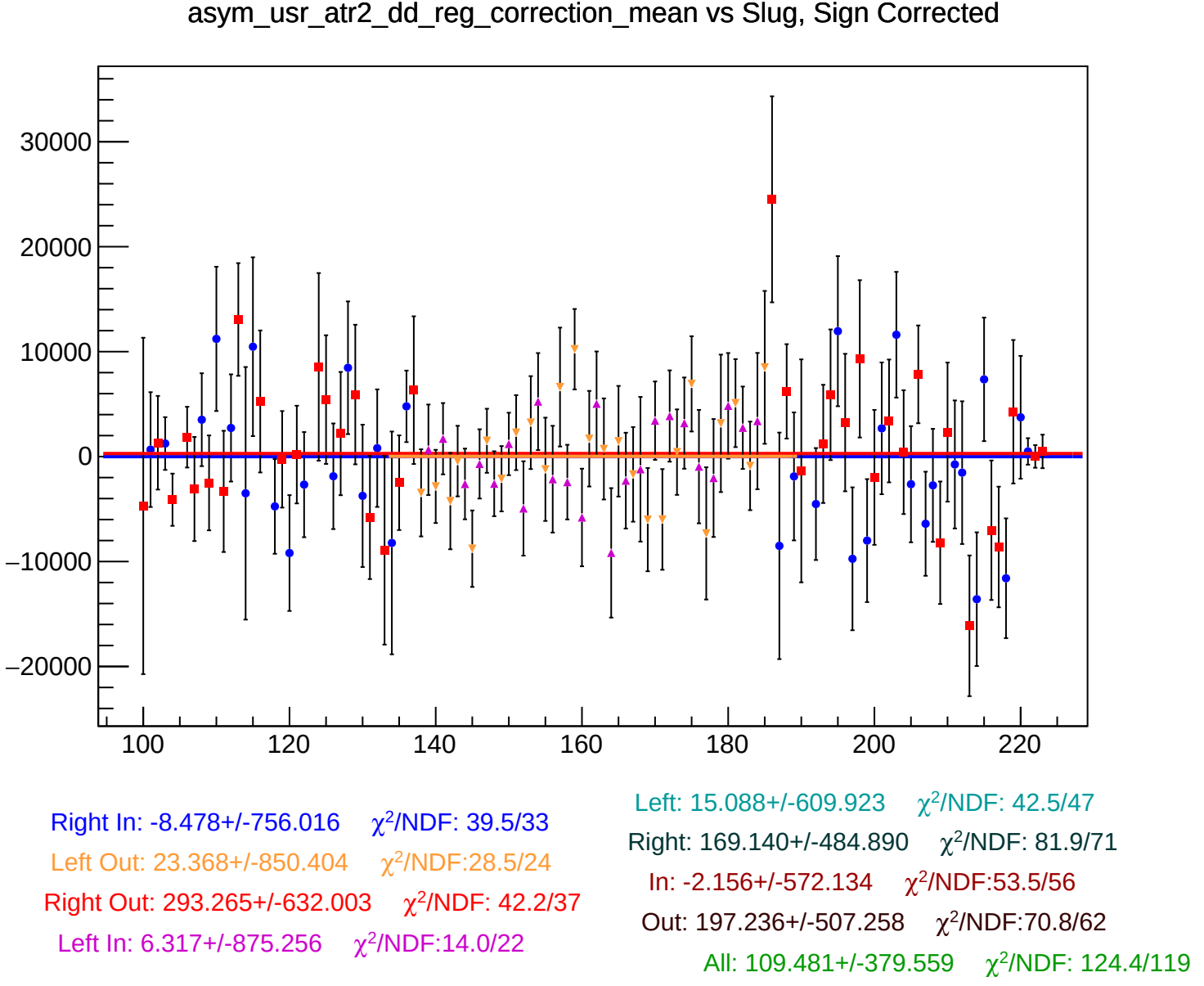
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

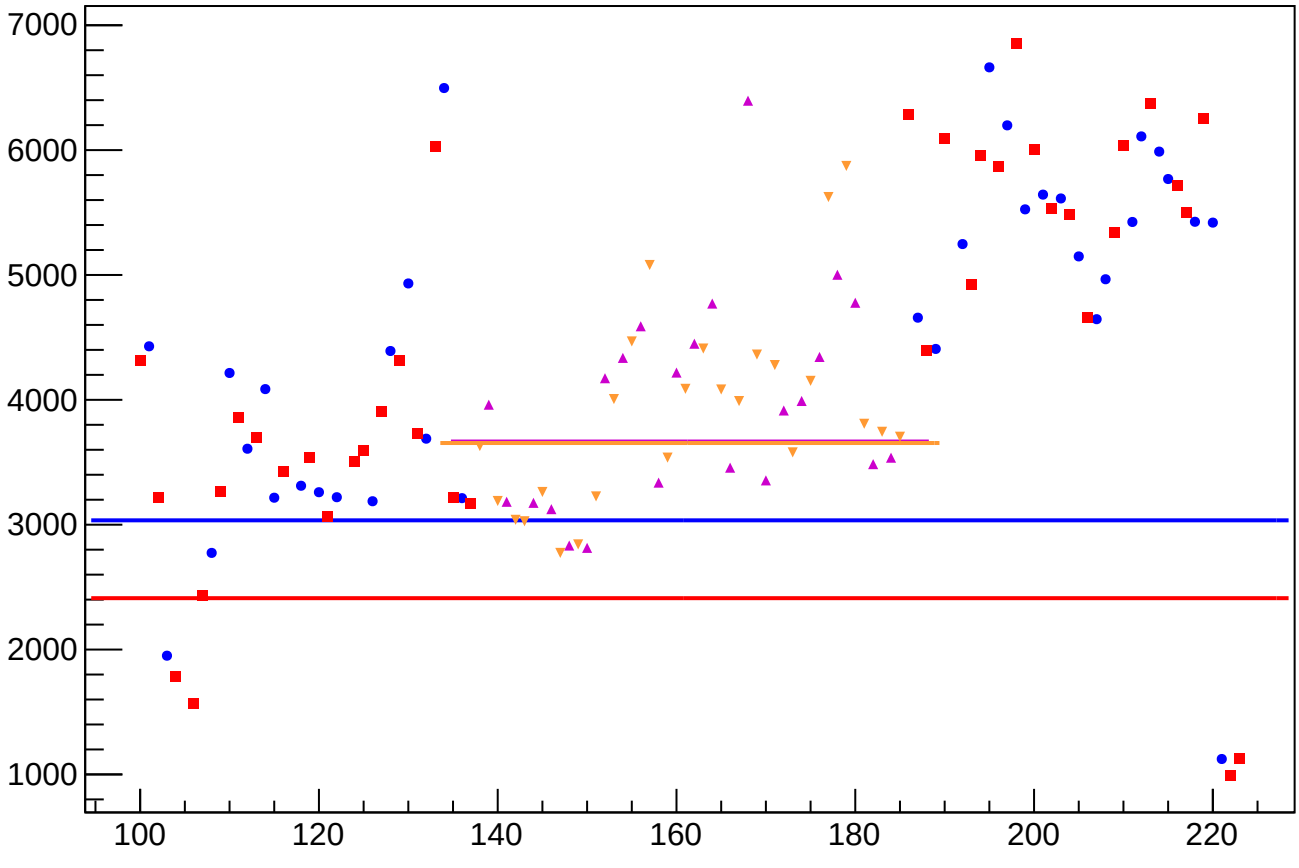
Right: 1214.171+/-0.133 χ^2/NDF: 4704070.4/71

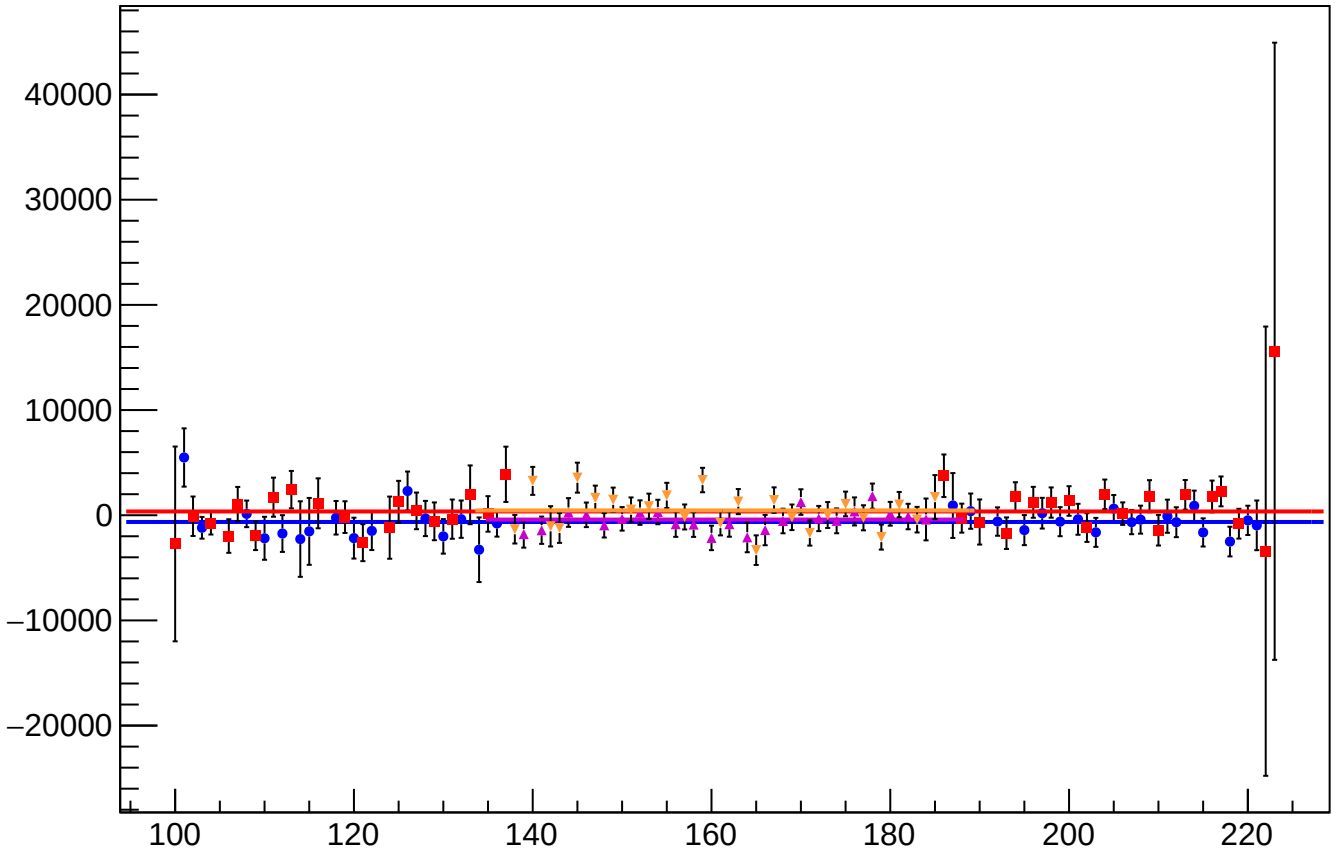
In: 1158.523+/-0.131 χ^2/NDF:1434386.0/56

Out: 1153.549+/-0.129 χ^2/NDF:3835870.5/62

All: 1156.000+/-0.092 χ^2/NDF: 5270987.3/11


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -8.478+/-756.016 χ²/NDF: 39.5/33
Left Out: 23.368+/-850.404 χ²/NDF:28.5/24
Right Out: 293.265+/-632.003 χ²/NDF: 42.2/37
Left In: 6.317+/-875.256 χ²/NDF:14.0/22
Left: 15.088+/-609.923 χ²/NDF: 42.5/47
Right: 169.140+/-484.890 χ²/NDF: 81.9/71
In: -2.156+/-572.134 χ²/NDF:53.5/56
Out: 197.236+/-507.258 χ²/NDF:70.8/62
All: 109.481+/-379.559 χ²/NDF: 124.4/119


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 3034.949+/-0.535 χ²/NDF: 11239999.9/33
Left Out: 3654.198+/-0.601 χ²/NDF:1311761.6/24
Right Out: 2411.583+/-0.447 χ²/NDF: 15549994.5/37
Left In: 3666.118+/-0.619 χ²/NDF:1343709.3/22
Left: 3659.986+/-0.431 χ²/NDF: 2655661.7/47
Right: 2668.013+/-0.343 χ²/NDF: 27590387.1/71
In: 3304.643+/-0.405 χ²/NDF:13179348.9/56
Out: 2853.707+/-0.359 χ²/NDF:19612639.7/62
All: 3052.170+/-0.268 χ²/NDF: 33487595.4/



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

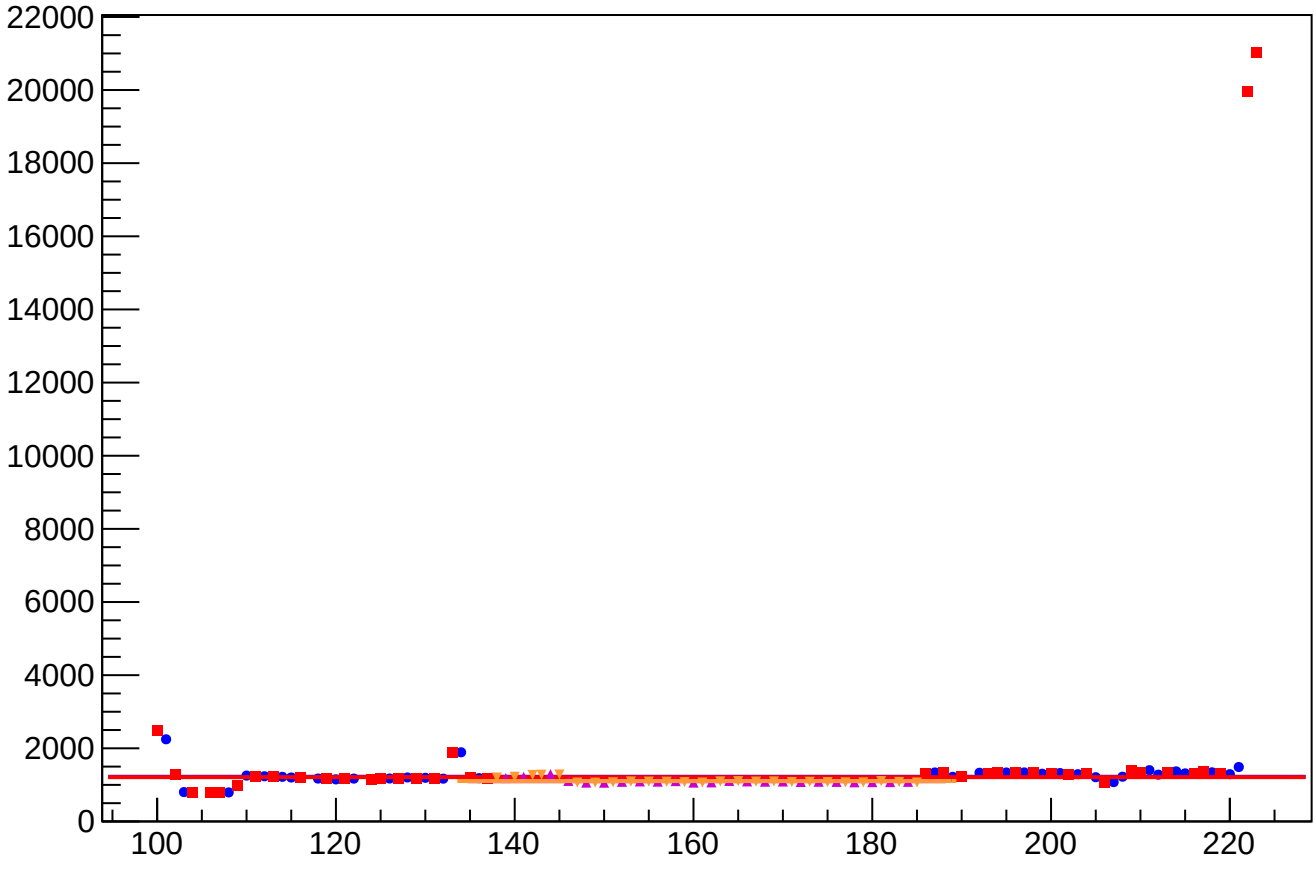
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -139.911+/-188.748 χ^2/NDF: 56.9/71

In: -521.606+/-185.331 χ^2/NDF:32.1/56

Out: 411.534+/-182.949 χ^2/NDF:73.9/62

All: -49.002+/-130.199 χ^2/NDF: 118.9/119



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

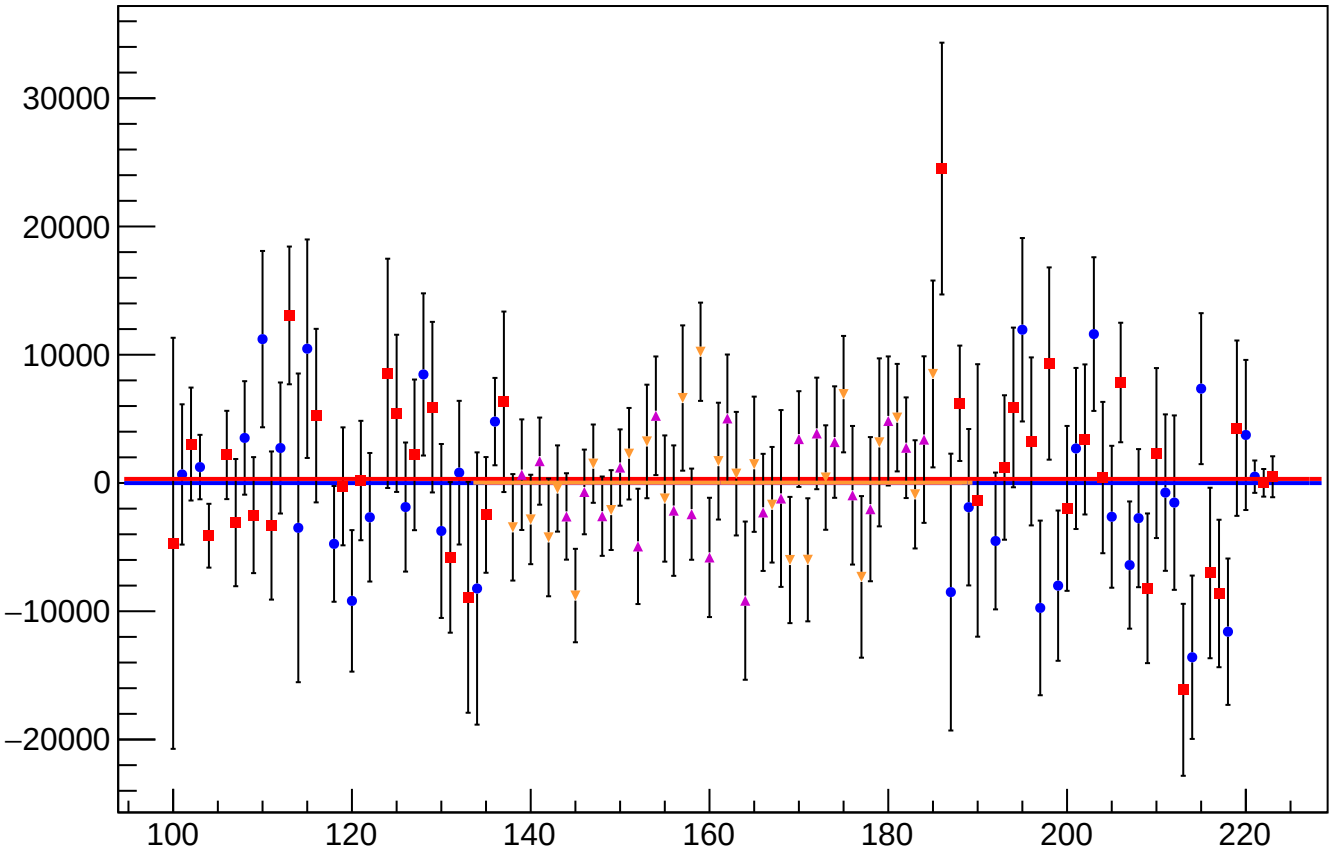
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1216.509+/-0.133 χ^2/NDF: 4616496.1/71

In: 1158.523+/-0.131 χ^2/NDF:1434382.0/56

Out: 1155.591+/-0.129 χ^2/NDF:3763721.9/62

All: 1157.038+/-0.092 χ^2/NDF: 5198357.6/11



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

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

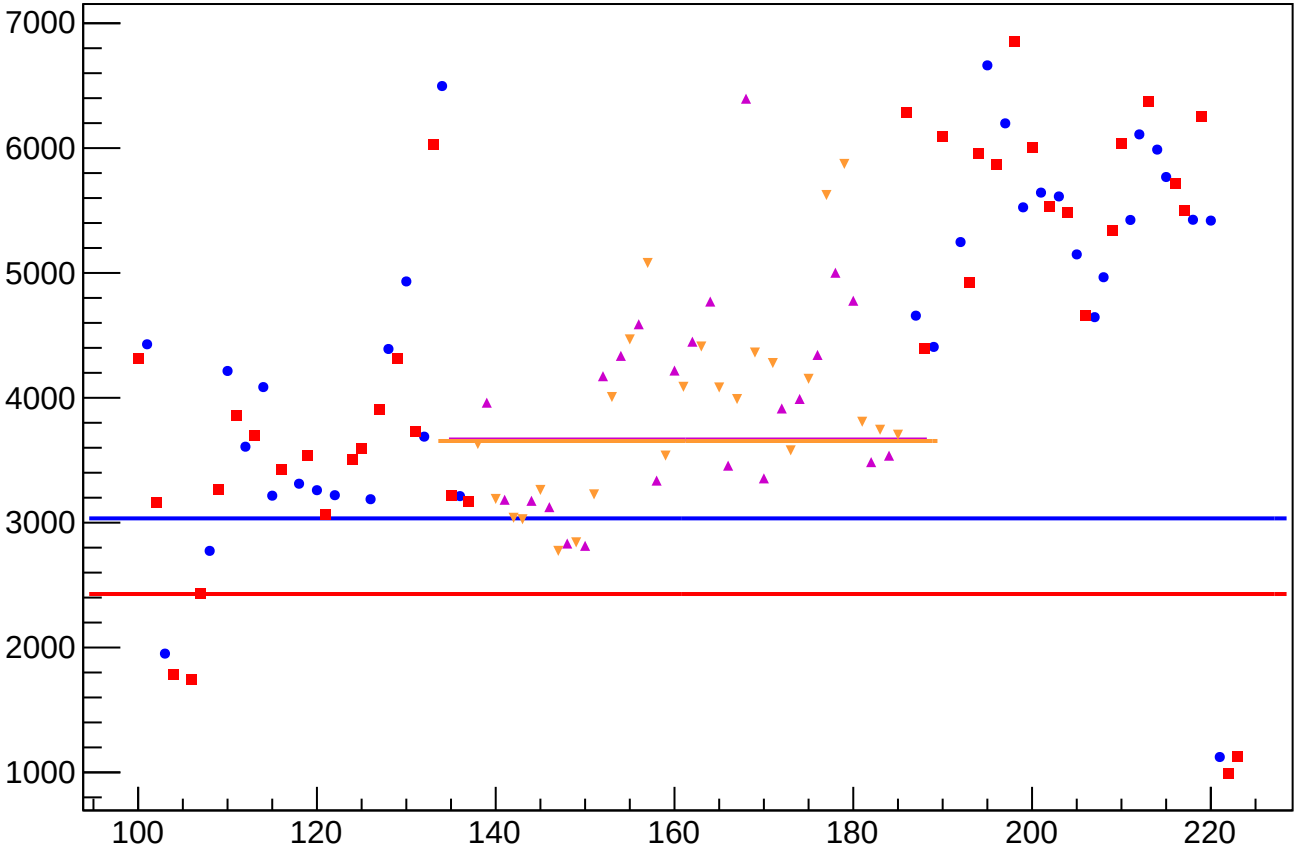
Right: 182.508+/-486.774 χ^2/NDF: 82.2/71

In: -2.034+/-572.097 χ^2/NDF:53.5/56

Out: 212.057+/-509.442 χ^2/NDF:71.1/62

All: 117.372+/-380.460 χ^2/NDF: 124.8/119

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



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

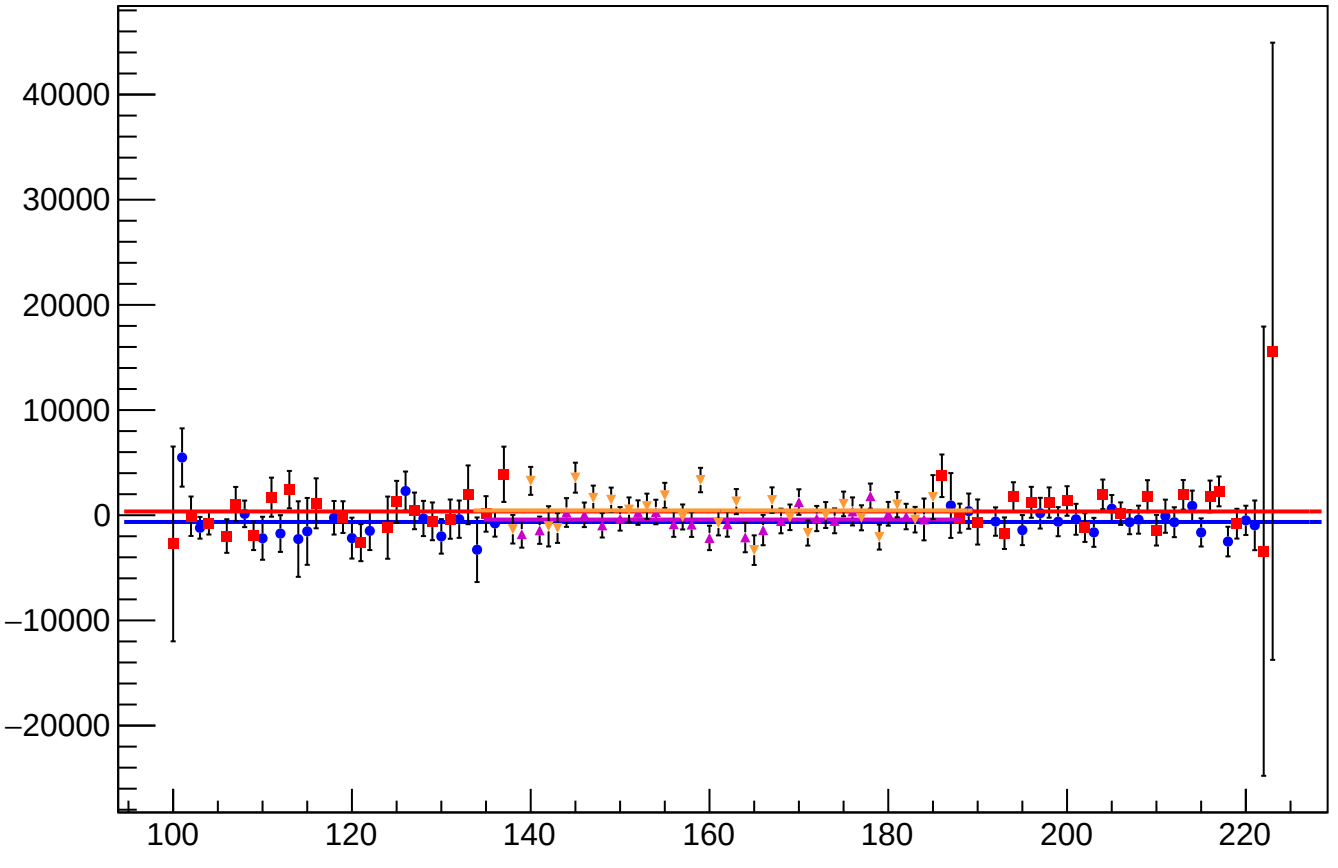
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 2679.814+/-0.344 χ^2/NDF: 27446415.9/71

In: 3304.269+/-0.405 χ^2/NDF:13185650.8/56

Out: 2868.465+/-0.360 χ^2/NDF:19424492.9/62

All: 3061.205+/-0.269 χ^2/NDF: 33257438.8/1



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

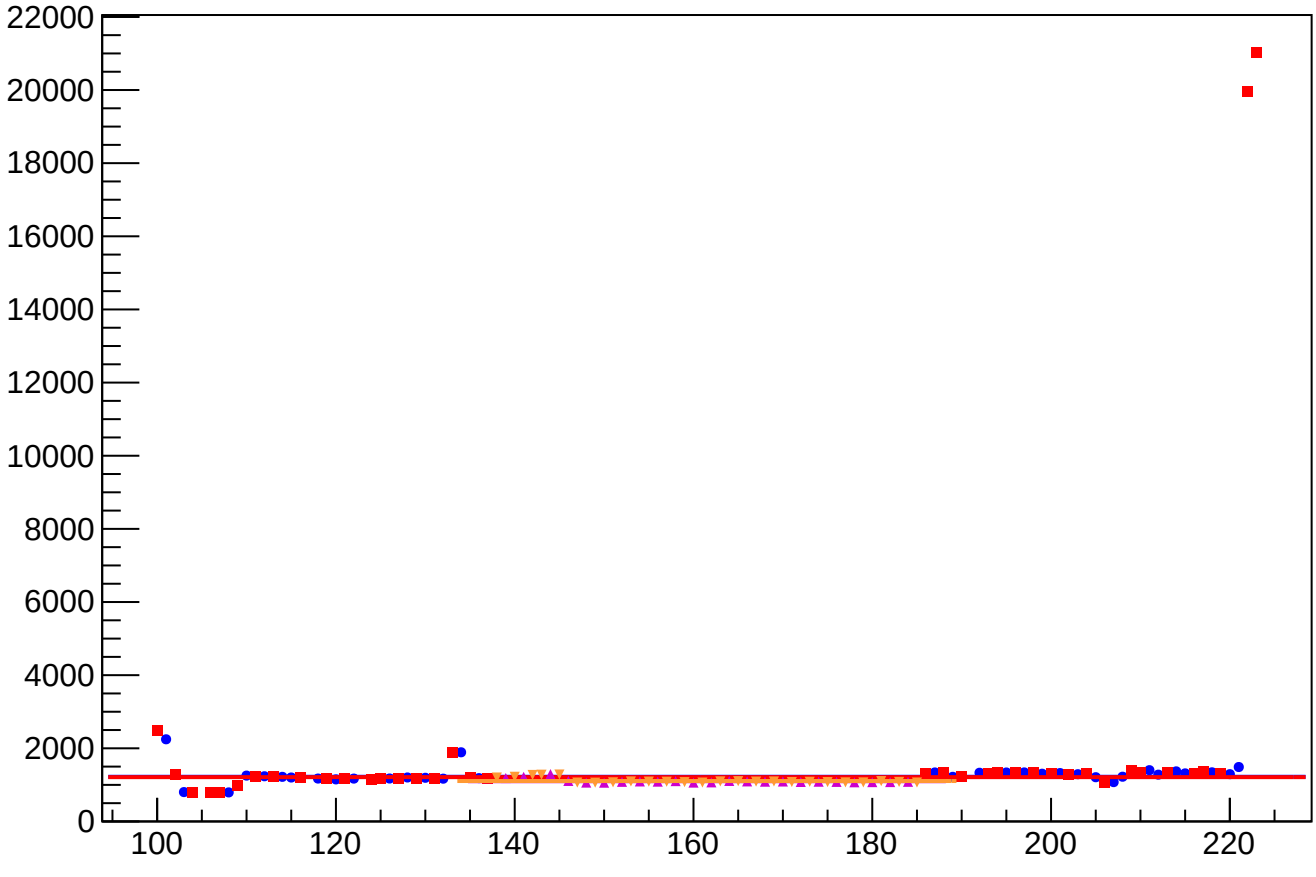
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -139.911+/-188.748 χ^2/NDF: 56.9/71

In: -521.606+/-185.331 χ^2/NDF:32.1/56

Out: 411.534+/-182.949 χ^2/NDF:73.9/62

All: -49.002+/-130.199 χ^2/NDF: 118.9/119



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

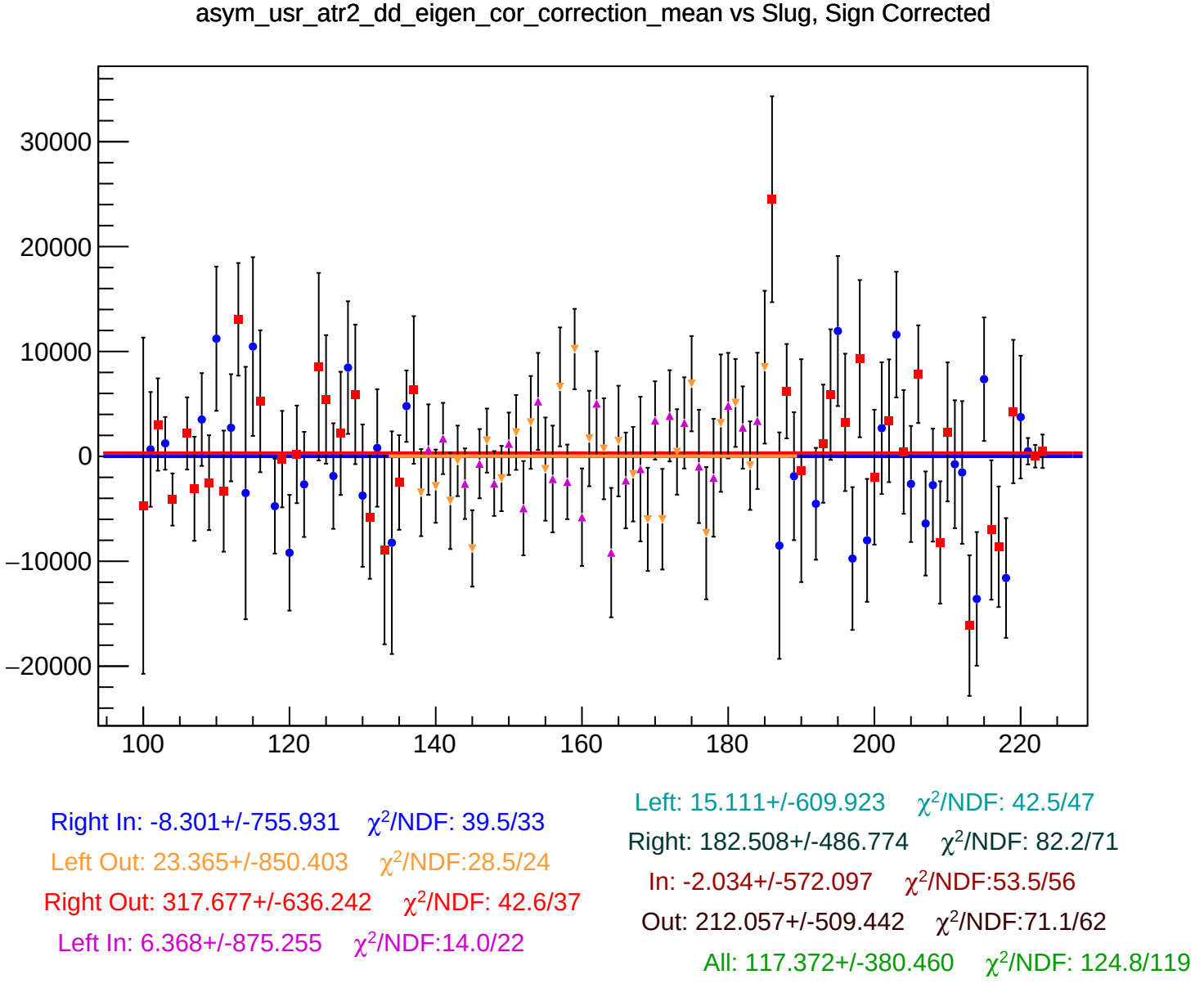
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

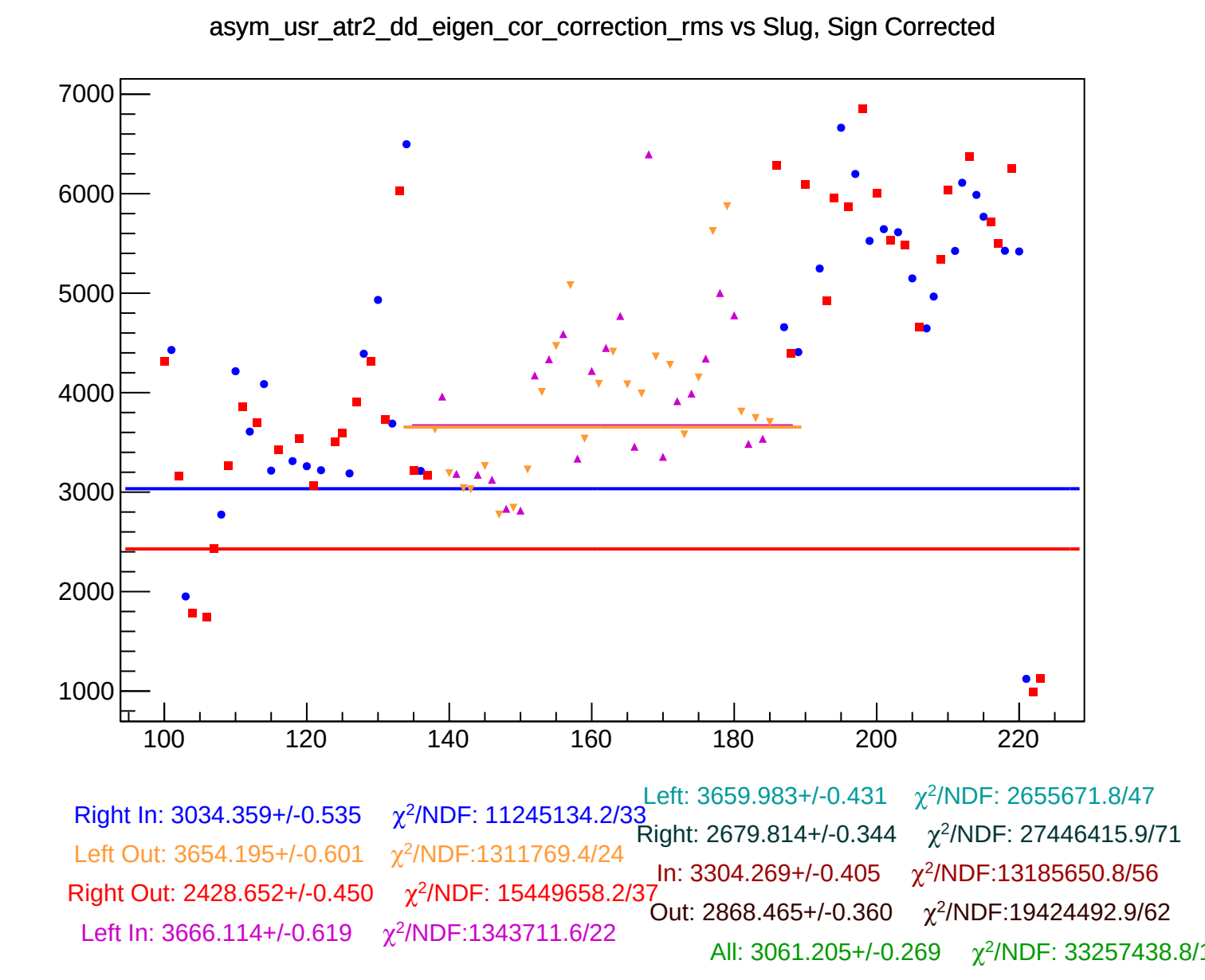
Right: 1216.509+/-0.133 χ^2/NDF: 4616496.1/71

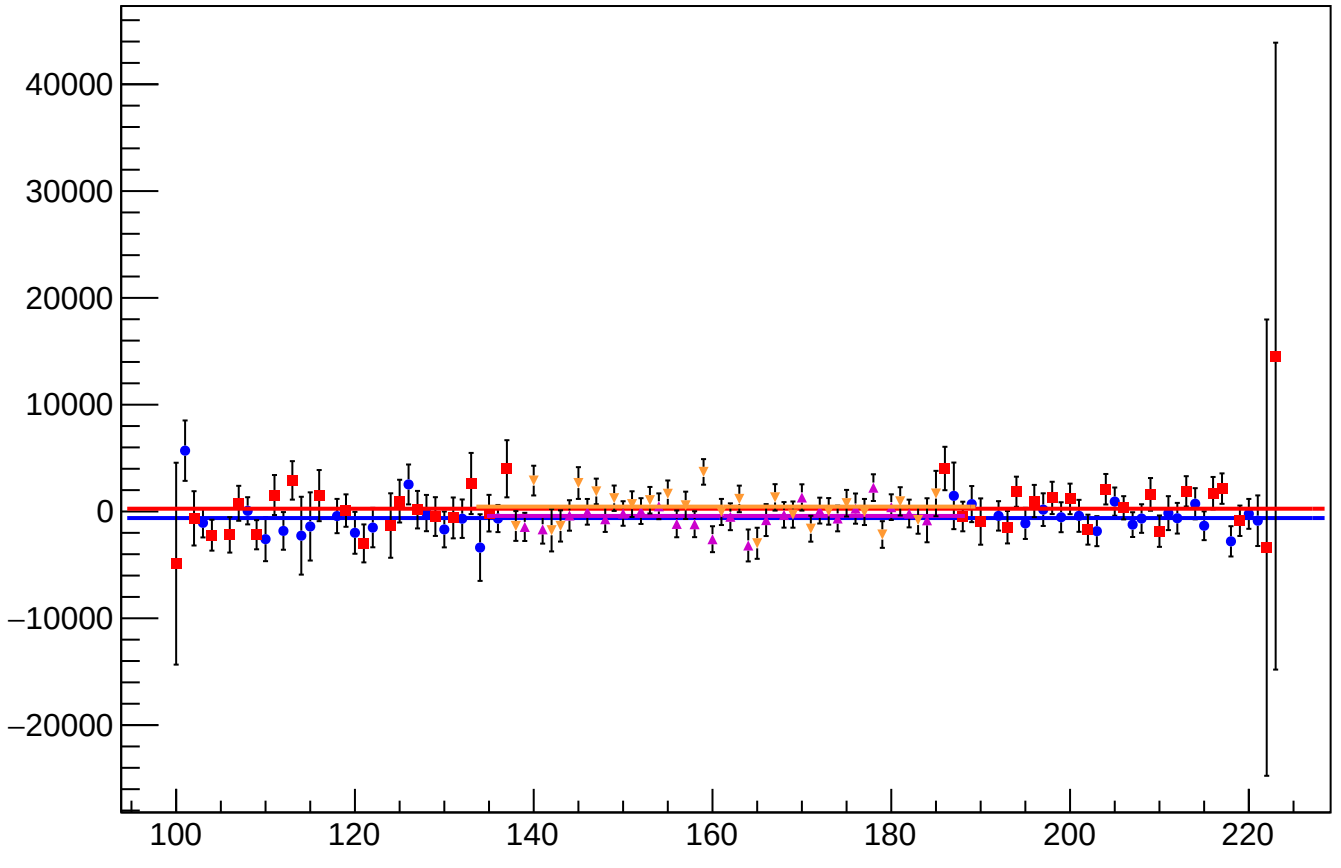
In: 1158.523+/-0.131 χ^2/NDF:1434382.0/56

Out: 1155.591+/-0.129 χ^2/NDF:3763721.9/62

All: 1157.038+/-0.092 χ^2/NDF: 5198357.6/11


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -8.301+/-755.931 χ²/NDF: 39.5/33
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 317.677+/-636.242 χ²/NDF: 42.6/37
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 182.508+/-486.774 χ²/NDF: 82.2/71
In: -2.034+/-572.097 χ²/NDF:53.5/56
Out: 212.057+/-509.442 χ²/NDF:71.1/62
All: 117.372+/-380.460 χ²/NDF: 124.8/119


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
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
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 2679.814+/-0.344 χ²/NDF: 27446415.9/71
In: 3304.269+/-0.405 χ²/NDF:13185650.8/56
Out: 2868.465+/-0.360 χ²/NDF:19424492.9/62
All: 3061.205+/-0.269 χ²/NDF: 33257438.8/



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

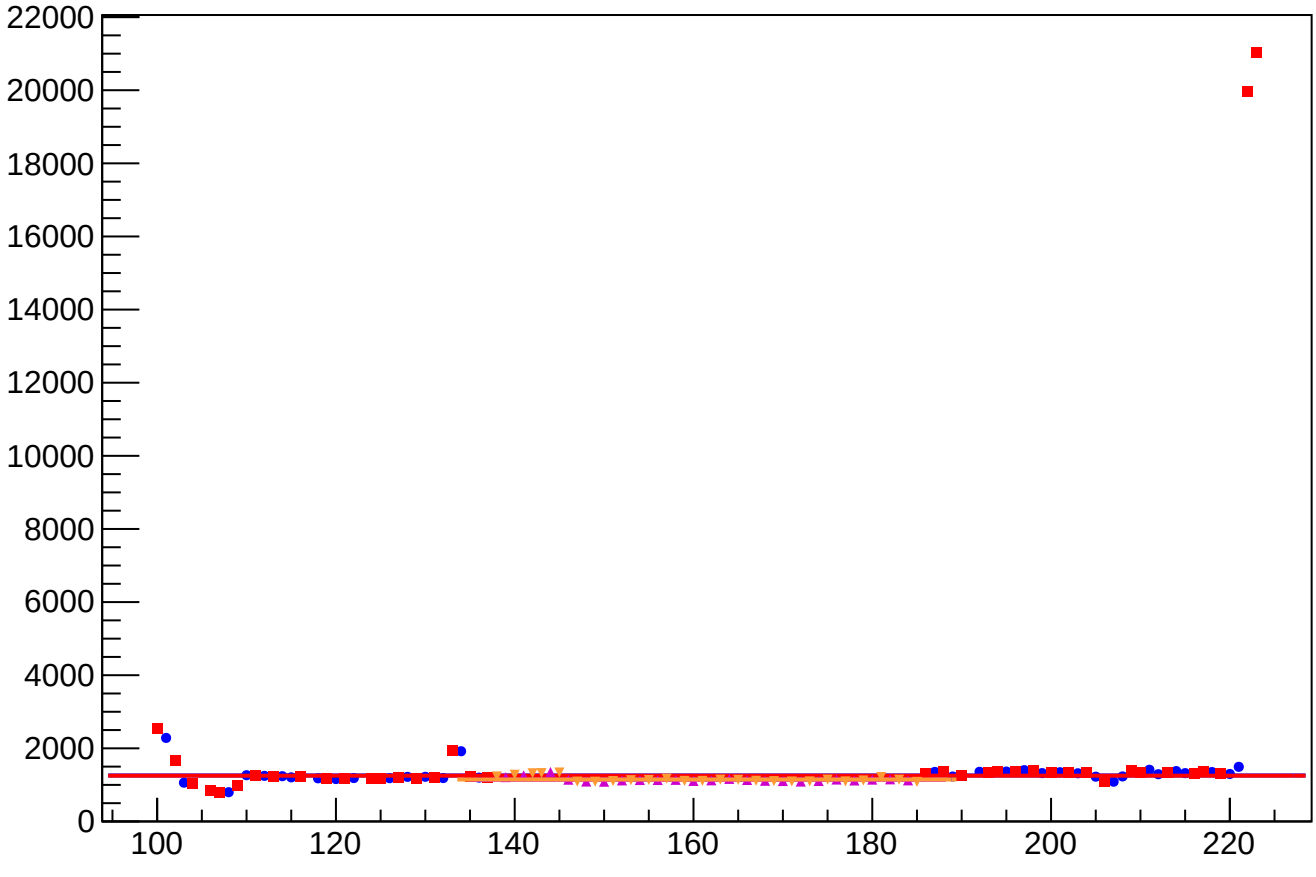
Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

Right: -178.115+/-194.232 χ^2/NDF: 62.0/71

In: -513.224+/-191.224 χ^2/NDF:37.0/56

Out: 363.055+/-189.287 χ^2/NDF:73.9/62

All: -70.622+/-134.526 χ^2/NDF: 121.5/119



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

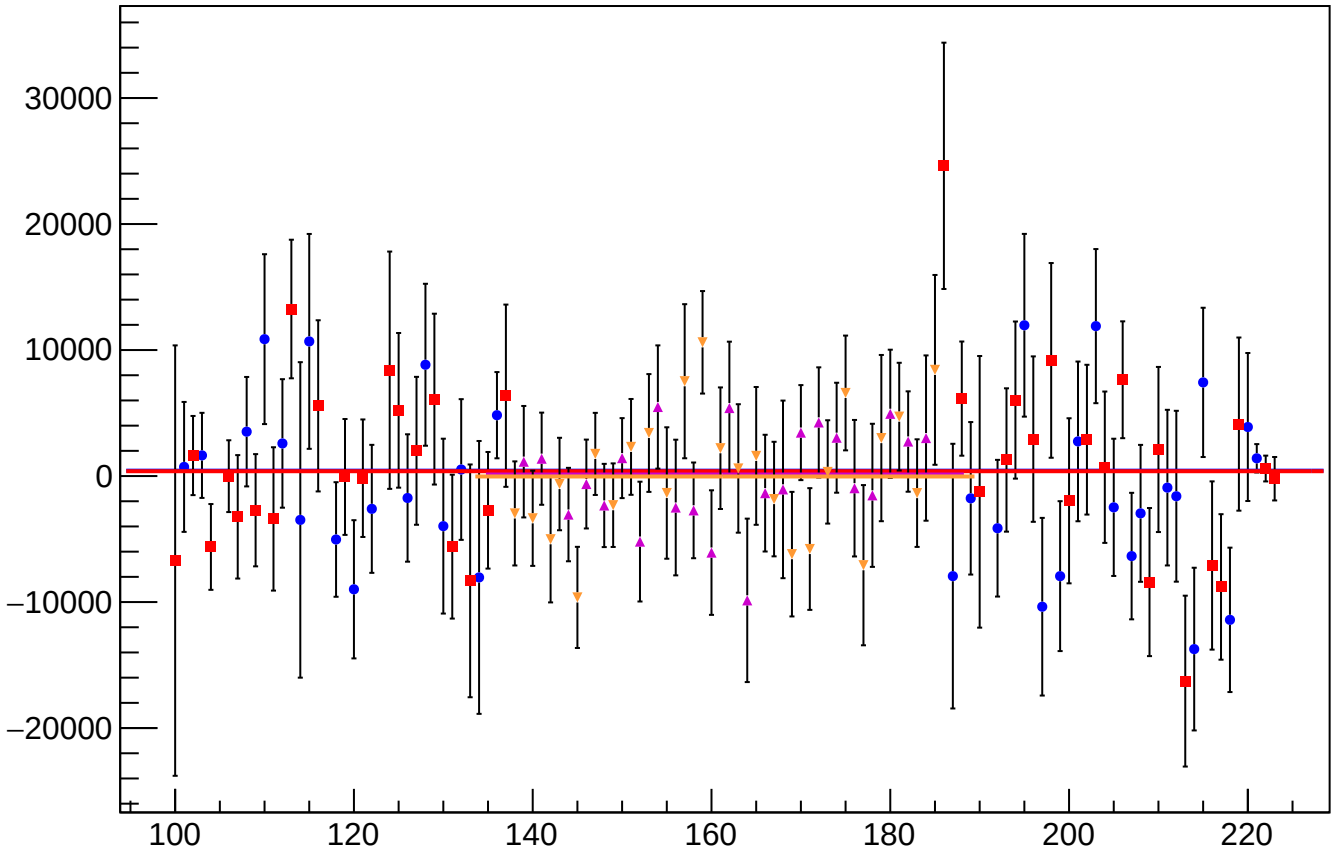
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1255.125+/-0.137 χ^2/NDF: 4091719.8/71

In: 1197.505+/-0.135 χ^2/NDF:1126709.8/56

Out: 1196.564+/-0.134 χ^2/NDF:3535307.7/62

All: 1197.030+/-0.095 χ^2/NDF: 4662041.9/11



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

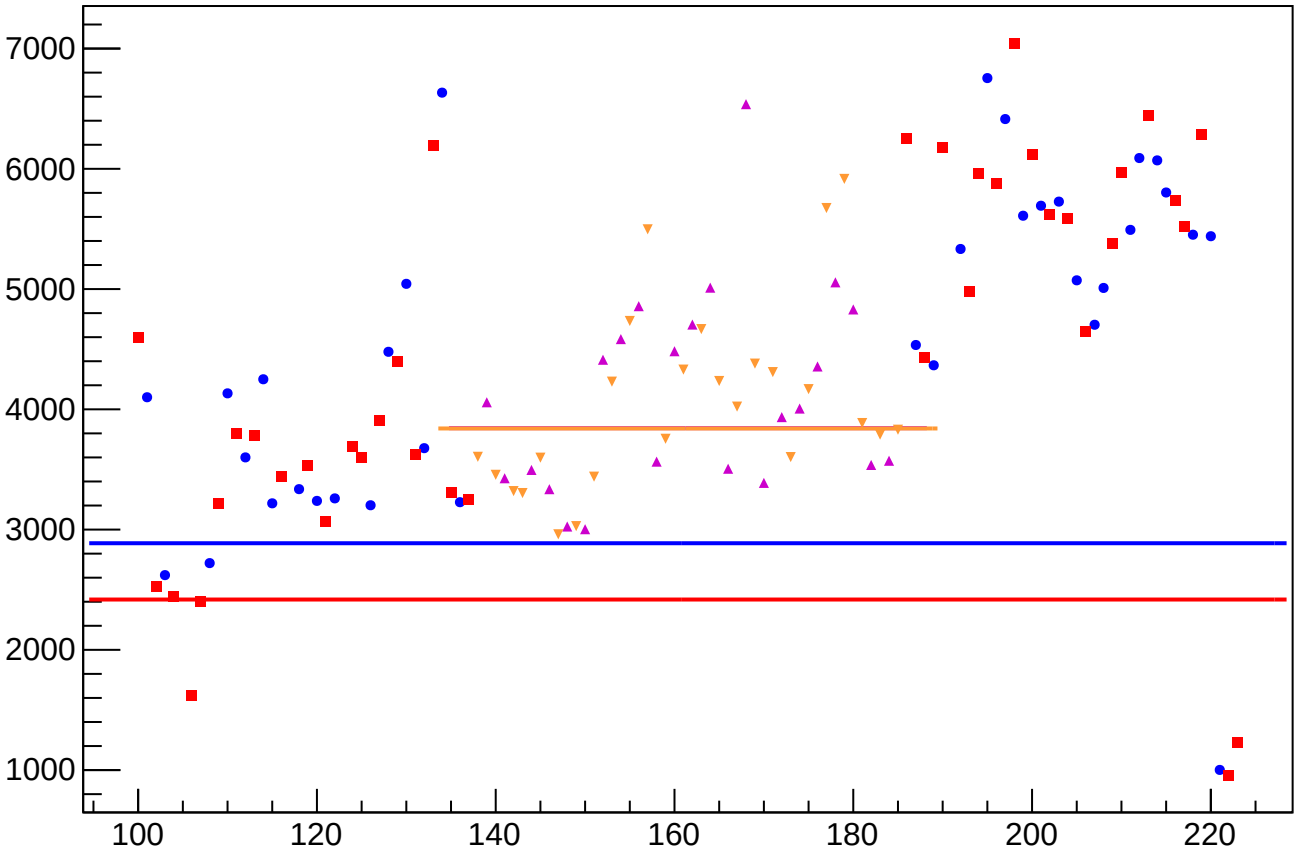
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

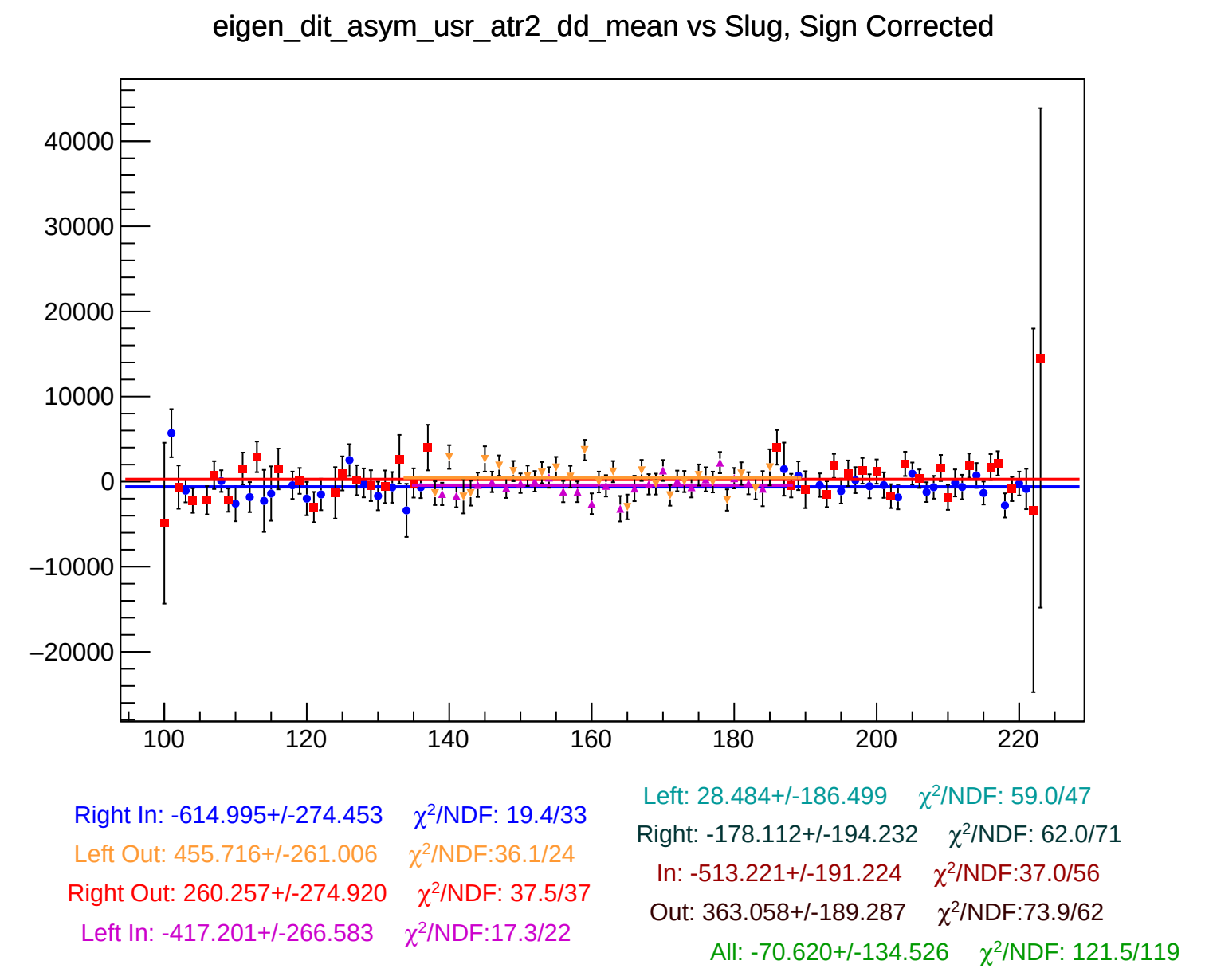
Right: 402.533+/-479.741 χ^2/NDF: 82.0/71

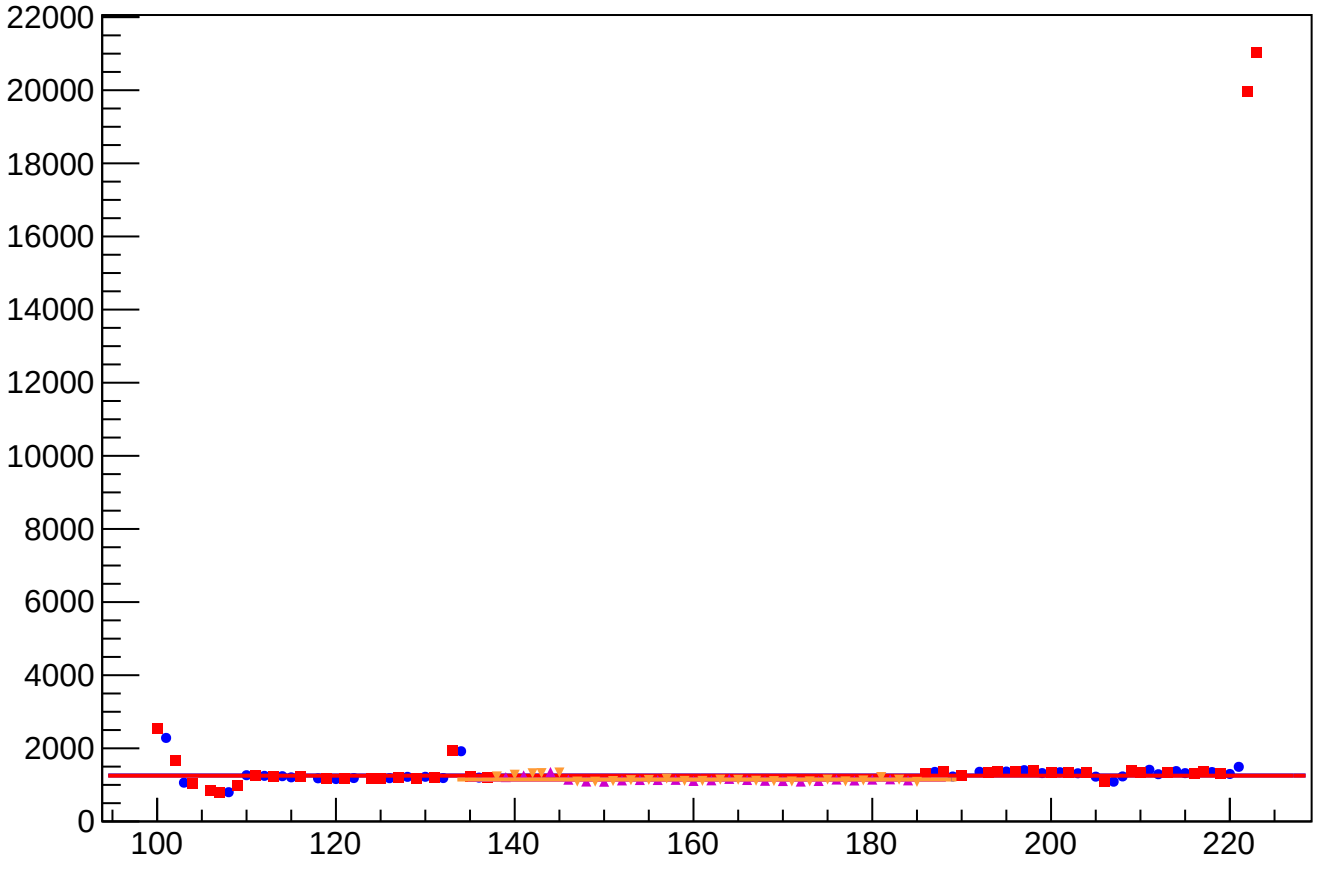
In: 306.876+/-574.809 χ^2/NDF:54.1/56

Out: 244.684+/-515.059 χ^2/NDF:69.6/62

All: 272.381+/-383.592 χ^2/NDF: 123.7/119


asym_usr_atr2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2886.510+/-0.522 χ²/NDF: 12852821.1/33
Left Out: 3840.830+/-0.630 χ²/NDF:1118666.6/24
Right Out: 2418.362+/-0.446 χ²/NDF: 15682817.7/37
Left In: 3843.328+/-0.648 χ²/NDF:1196057.8/22
Left: 3842.046+/-0.452 χ²/NDF: 2314732.0/47
Right: 2615.970+/-0.339 χ²/NDF: 29000209.3/71
In: 3263.523+/-0.406 χ²/NDF:15372067.0/56
Out: 2893.304+/-0.364 χ²/NDF:20194198.8/62
All: 3058.178+/-0.271 χ²/NDF: 36026443.5/1


eigen_dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -614.995+/-274.453 χ²/NDF: 19.4/33
Left Out: 455.716+/-261.006 χ²/NDF:36.1/24
Right Out: 260.257+/-274.920 χ²/NDF: 37.5/37
Left In: -417.201+/-266.583 χ²/NDF:17.3/22
Left: 28.484+/-186.499 χ²/NDF: 59.0/47
Right: -178.112+/-194.232 χ²/NDF: 62.0/71
In: -513.221+/-191.224 χ²/NDF:37.0/56
Out: 363.058+/-189.287 χ²/NDF:73.9/62
All: -70.620+/-134.526 χ²/NDF: 121.5/119



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

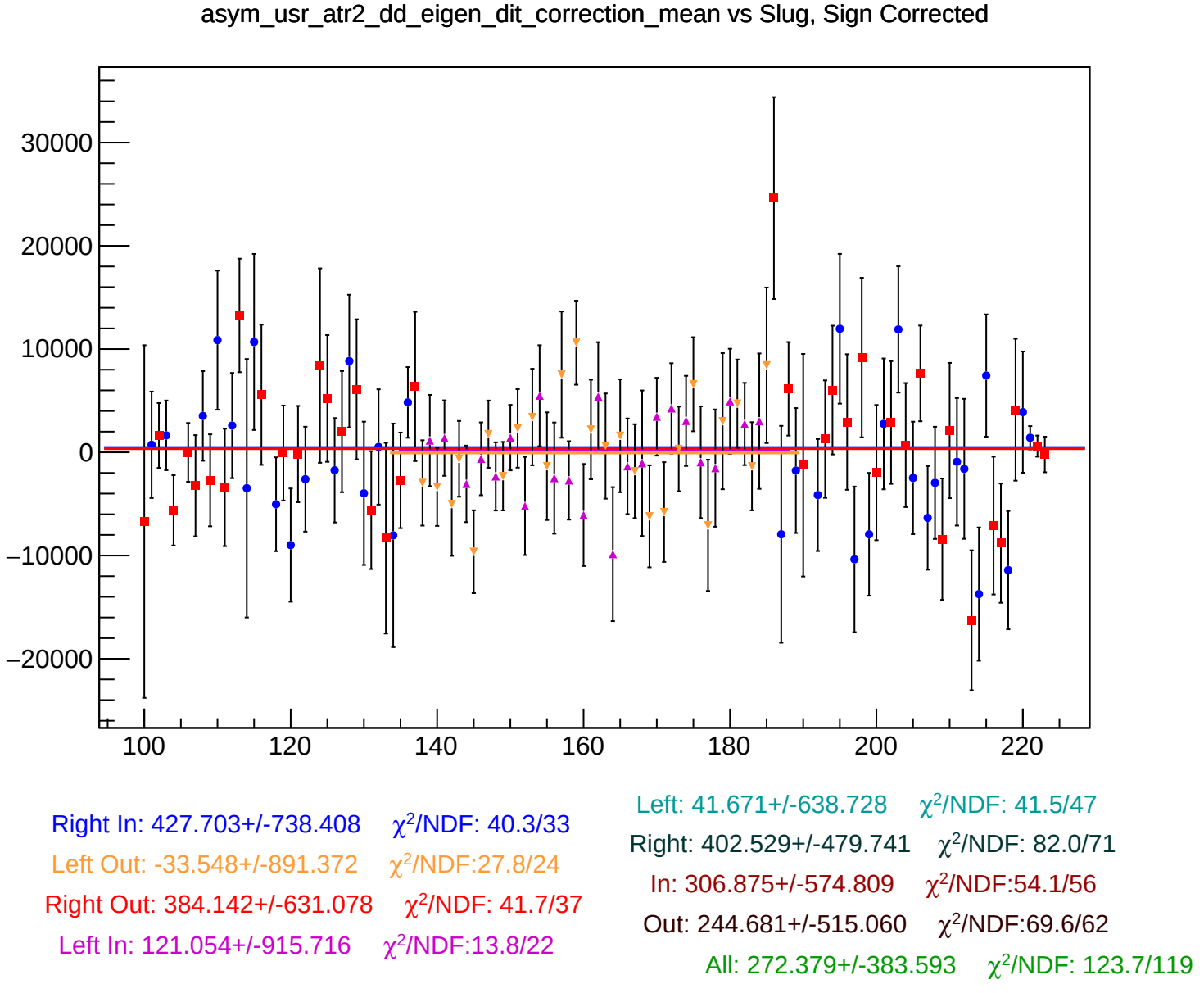
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

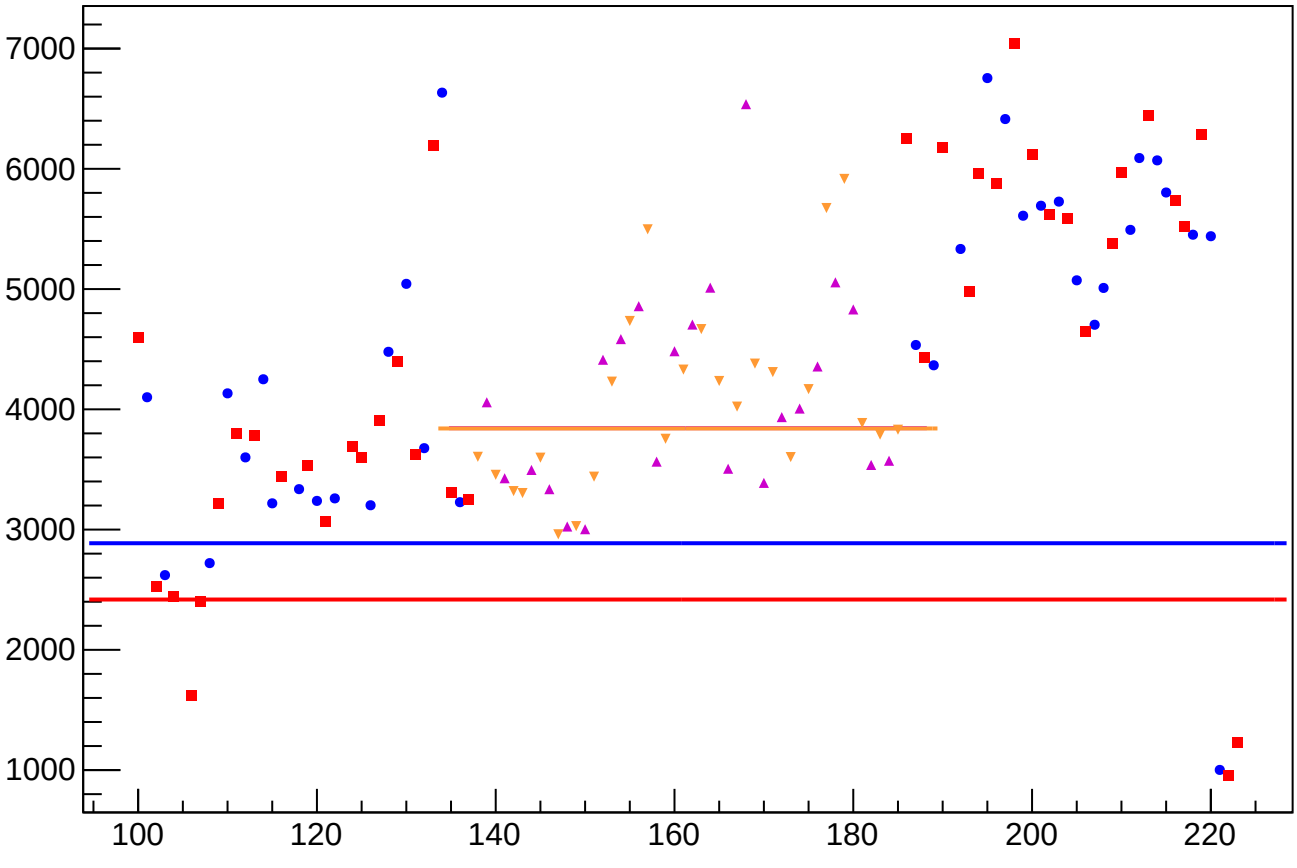
Right: 1255.125+/-0.137 χ^2/NDF: 4091720.1/71

In: 1197.505+/-0.135 χ^2/NDF:1126708.0/56

Out: 1196.564+/-0.134 χ^2/NDF:3535305.6/62

All: 1197.030+/-0.095 χ^2/NDF: 4662038.0/11


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 427.703+/-738.408 χ²/NDF: 40.3/33
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 384.142+/-631.078 χ²/NDF: 41.7/37
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 402.529+/-479.741 χ²/NDF: 82.0/71
In: 306.875+/-574.809 χ²/NDF:54.1/56
Out: 244.681+/-515.060 χ²/NDF:69.6/62
All: 272.379+/-383.593 χ²/NDF: 123.7/119



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

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

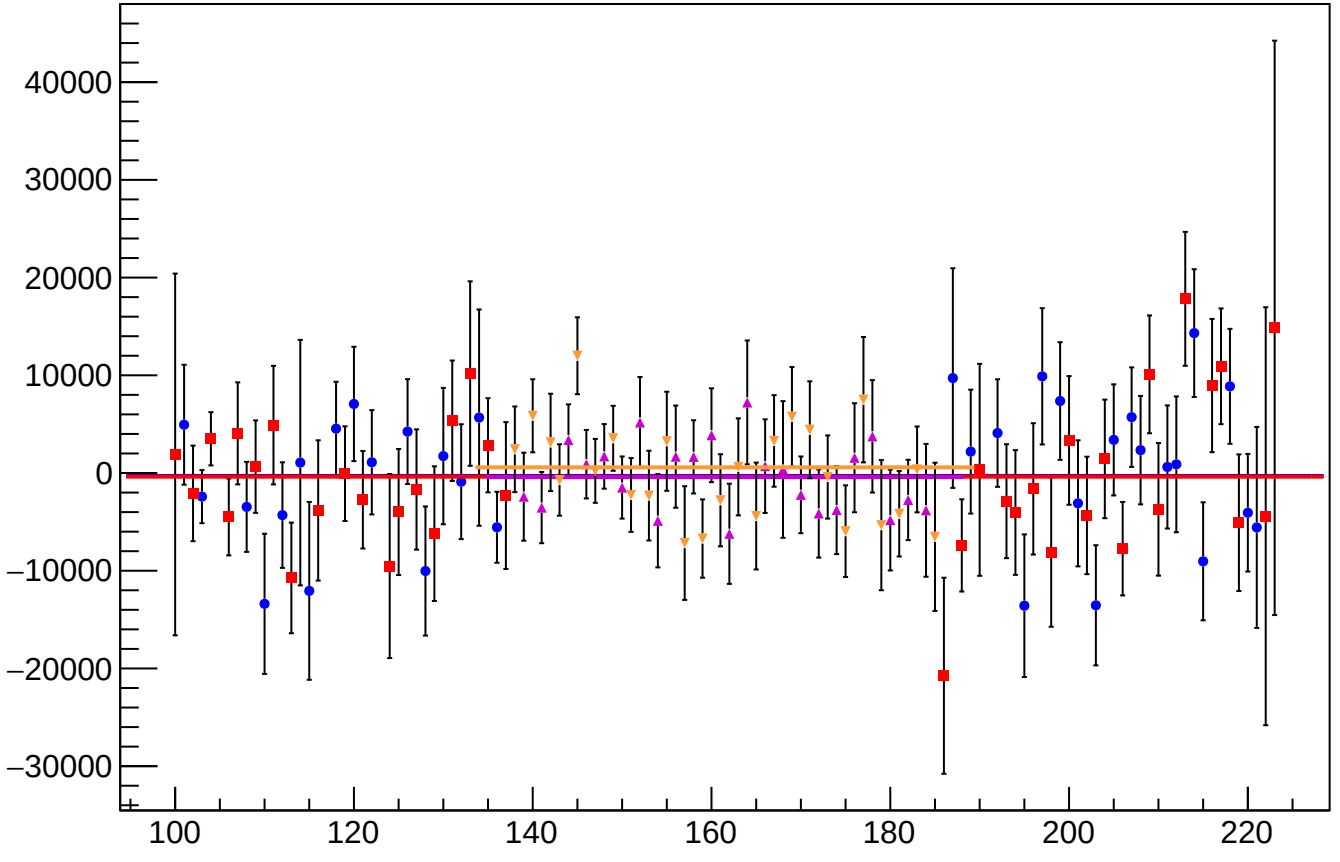
Right: 2615.971+/-0.339 χ^2/NDF: 29000197.3/71

In: 3263.523+/-0.406 χ^2/NDF:15372106.2/56

Out: 2893.307+/-0.364 χ^2/NDF:20194185.3/62

All: 3058.179+/-0.271 χ^2/NDF: 36026461.2/1

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



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

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

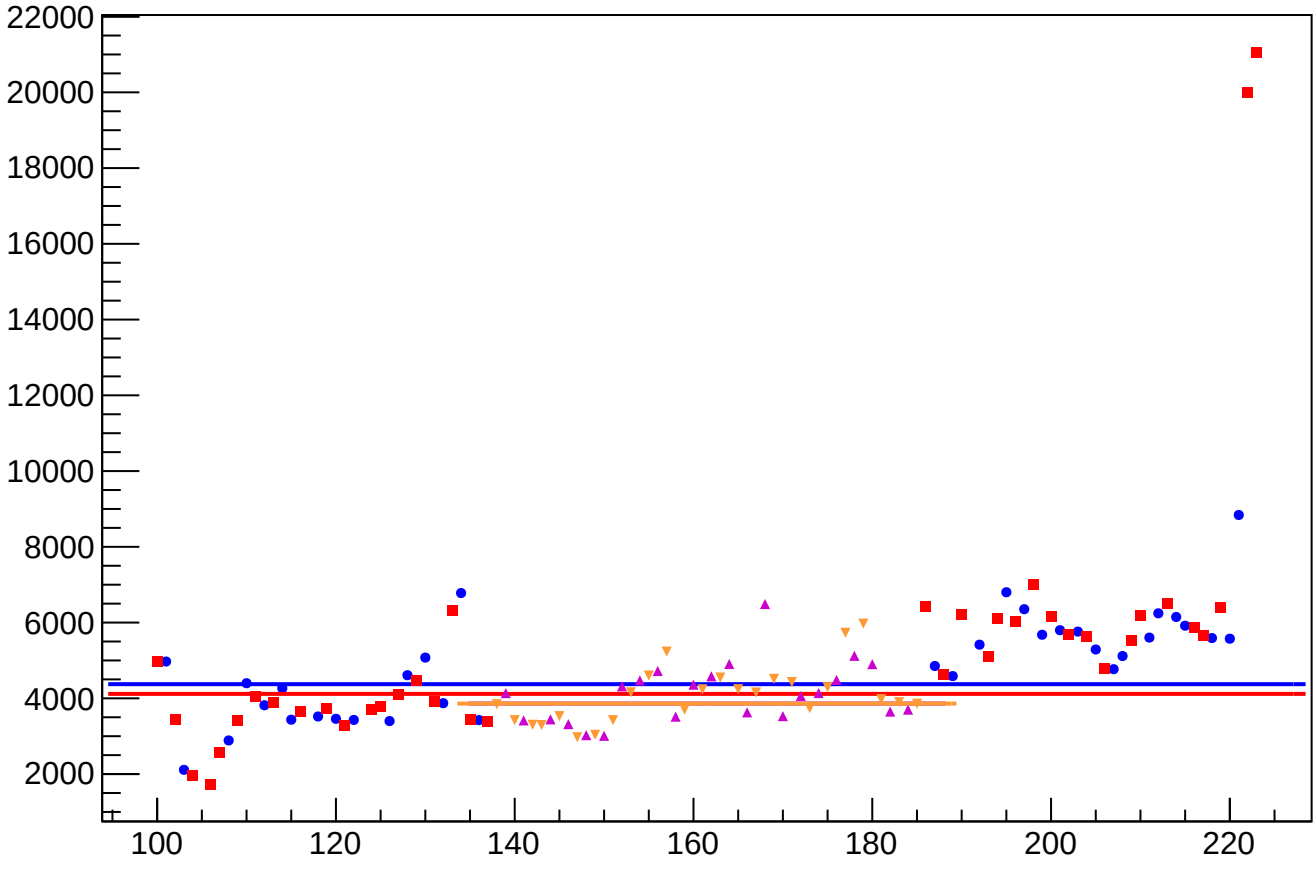
Right: -338.657+/-687.164 χ^2/NDF: 82.1/71

In: -363.425+/-672.350 χ^2/NDF:53.6/56

Out: 137.516+/-653.950 χ^2/NDF:68.9/62

All: -106.006+/-468.782 χ^2/NDF: 122.9/119

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



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

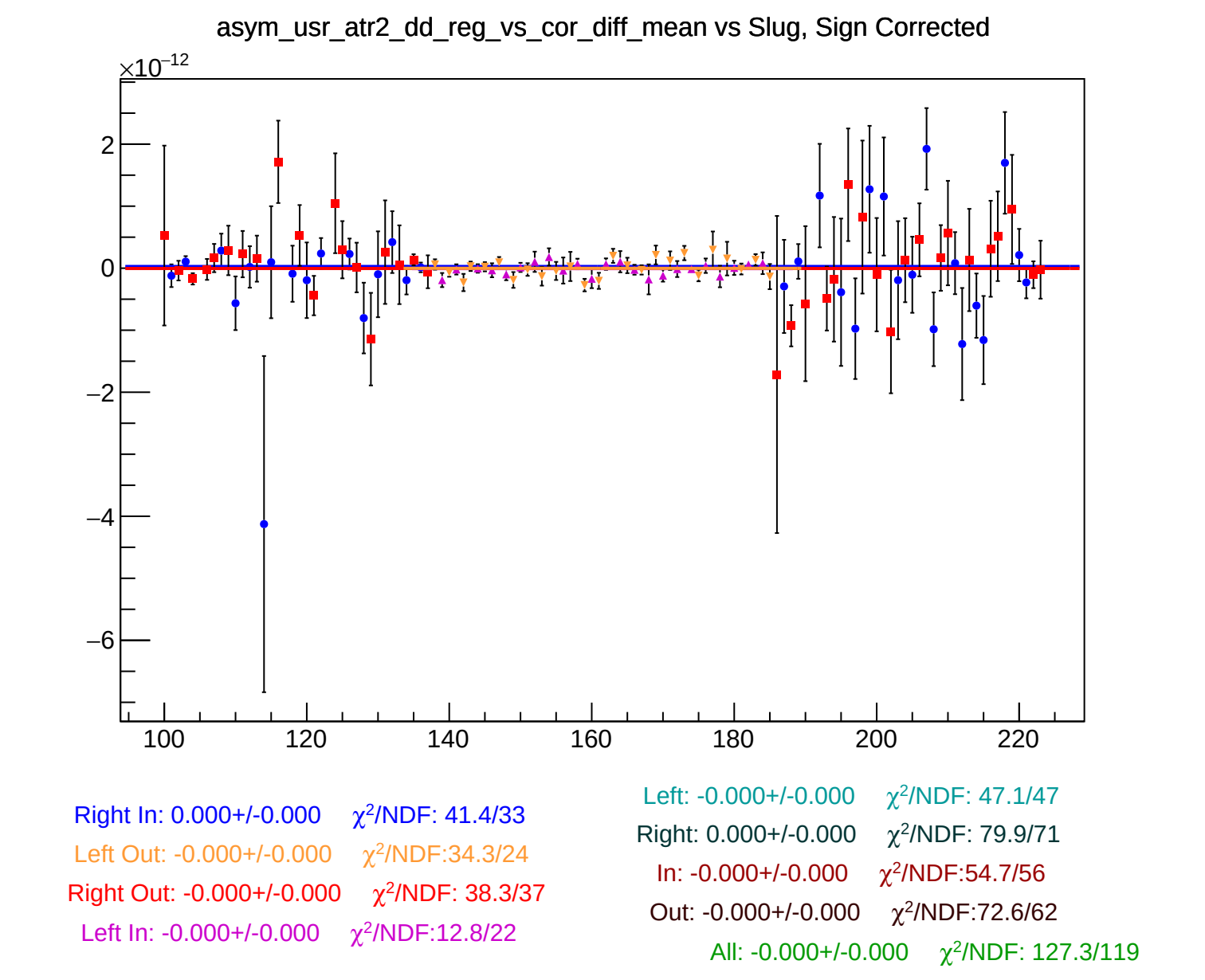
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

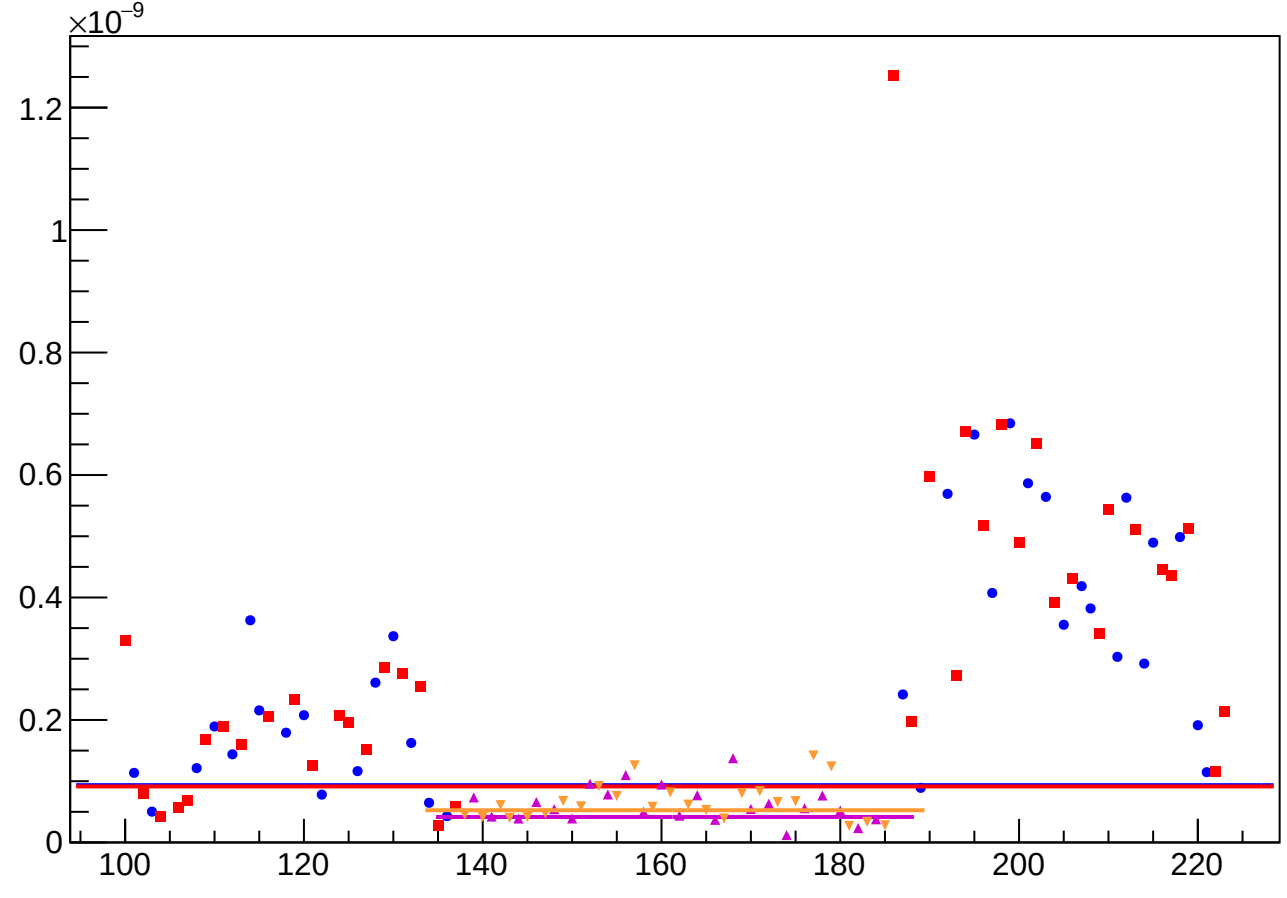
Right: 4240.342+/-0.483 χ^2/NDF: 11099425.5/71

In: 4100.012+/-0.475 χ^2/NDF:5489106.5/56

Out: 3981.416+/-0.460 χ^2/NDF:8144667.7/62

All: 4038.780+/-0.331 χ^2/NDF: 13665902.5/1


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 41.4/33
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 38.3/37
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 79.9/71
In: -0.000+/-0.000 χ²/NDF:54.7/56
Out: -0.000+/-0.000 χ²/NDF:72.6/62
All: -0.000+/-0.000 χ²/NDF: 127.3/119



Right In: 0.000+/-0.000 χ^2/NDF: 9137167.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10747981.9/37

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

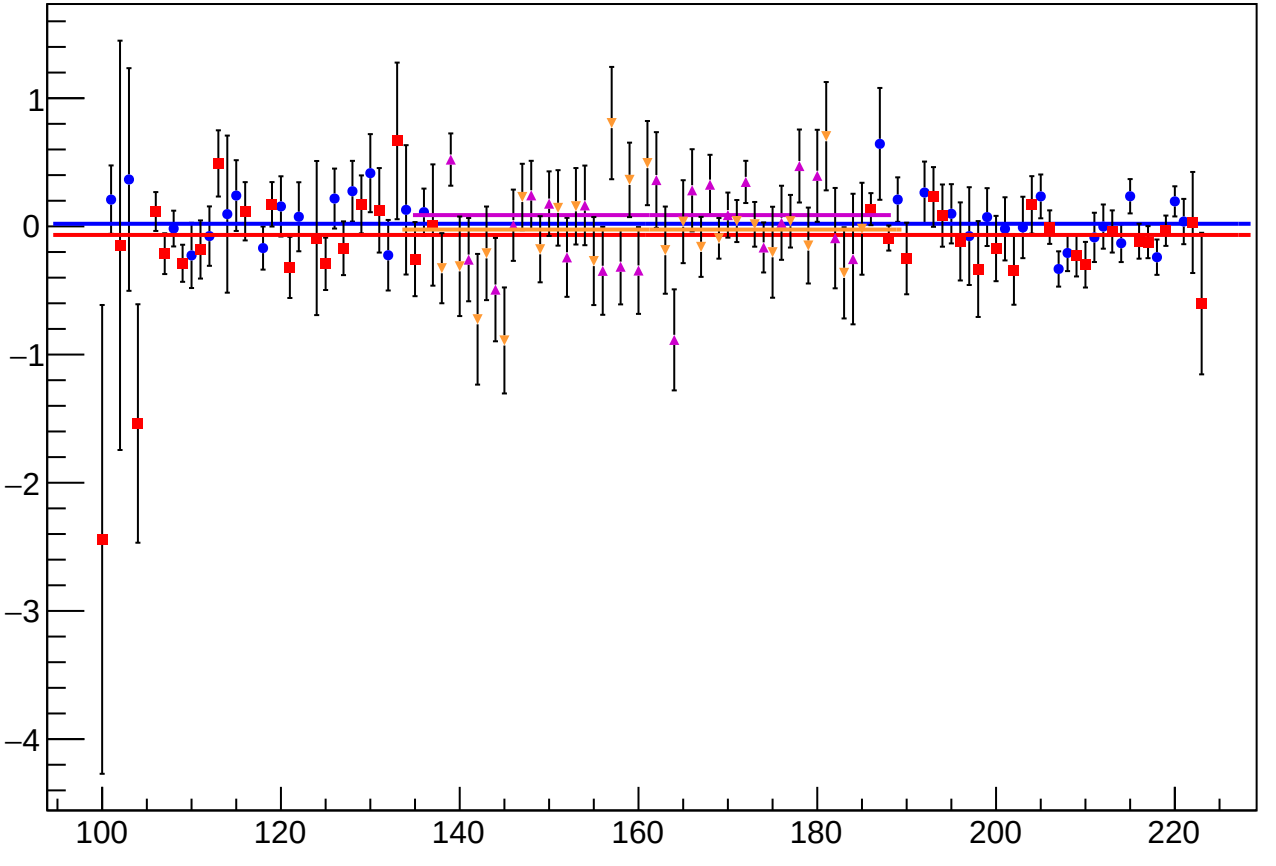
Right: 0.000+/-0.000 χ^2/NDF: 19887186.8/71

In: 0.000+/-0.000 χ^2/NDF:14270301.4/56

Out: 0.000+/-0.000 χ^2/NDF:13526359.0/62

All: 0.000+/-0.000 χ^2/NDF: 28076336.7/119

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

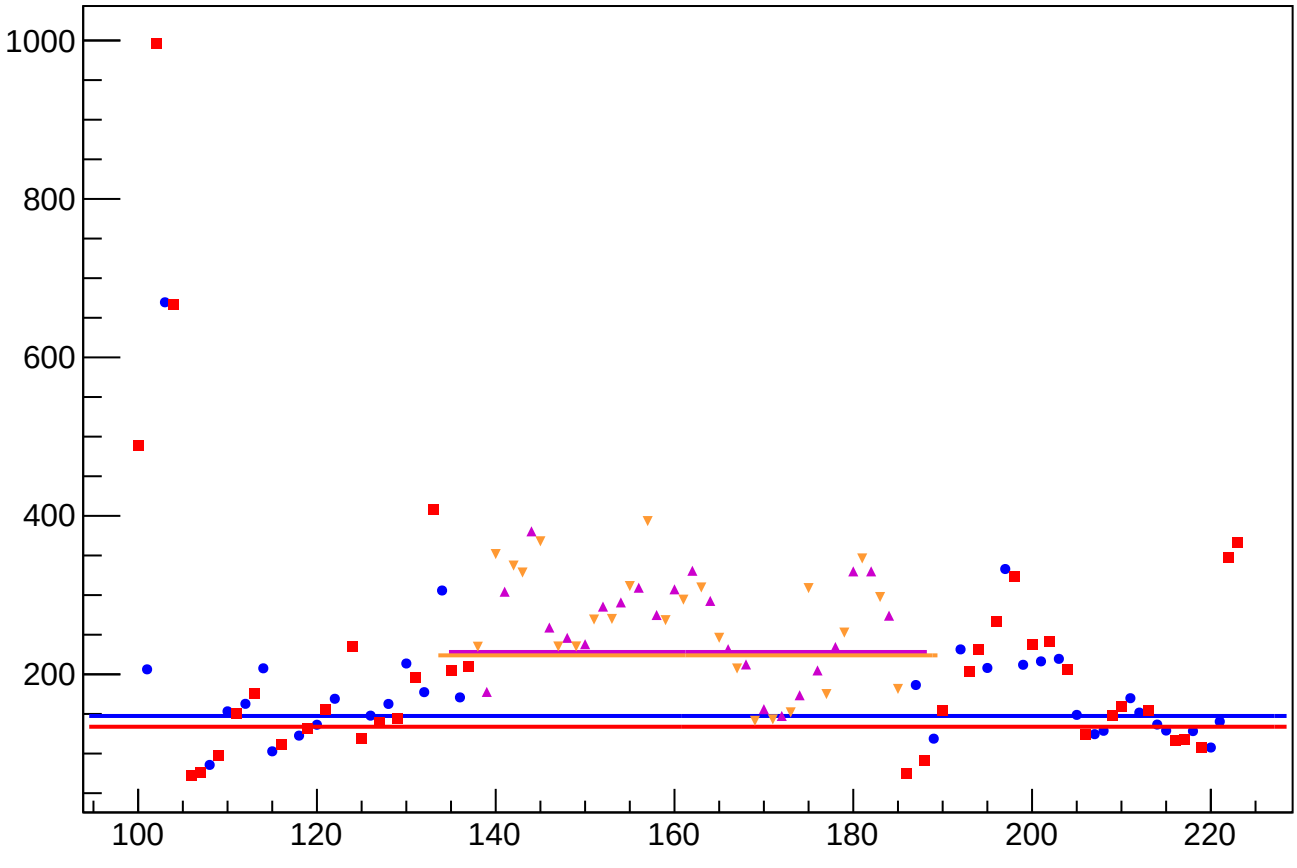
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.026+/-0.023 χ^2/NDF: 71.7/71

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.056+/-0.028 χ^2/NDF:59.0/62

All: -0.012+/-0.020 χ^2/NDF: 129.4/119



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

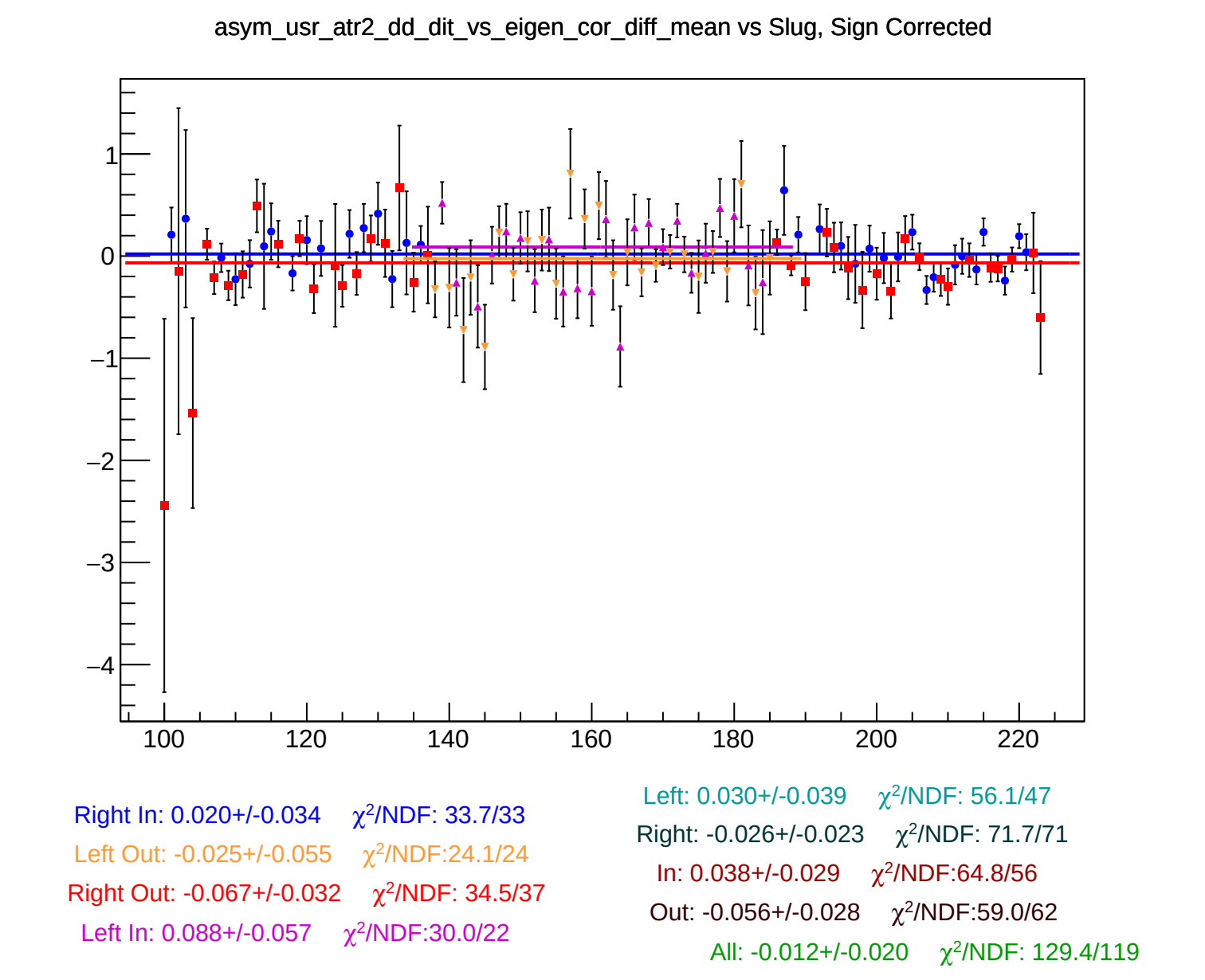
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

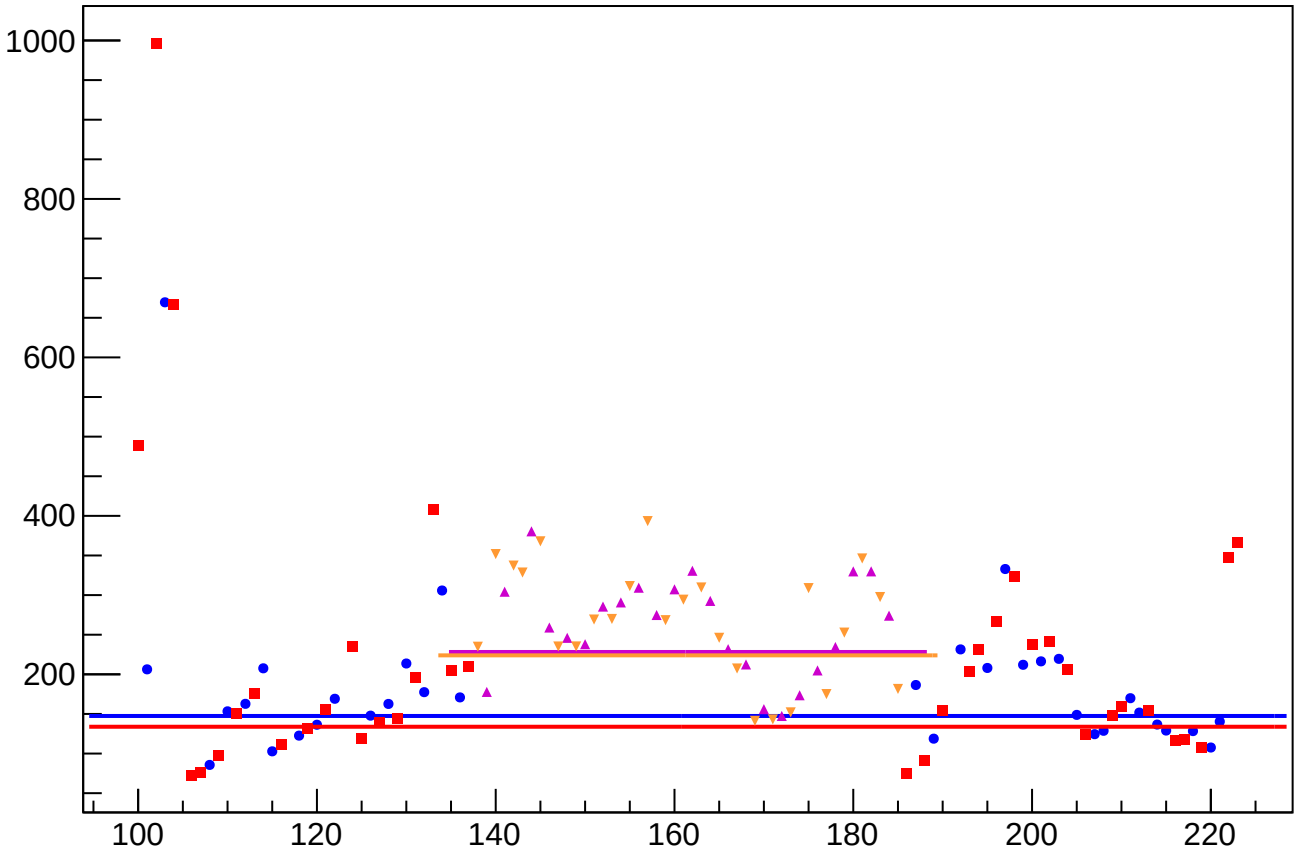
Right: 140.222+/-0.016 χ^2/NDF: 10912297.8/71

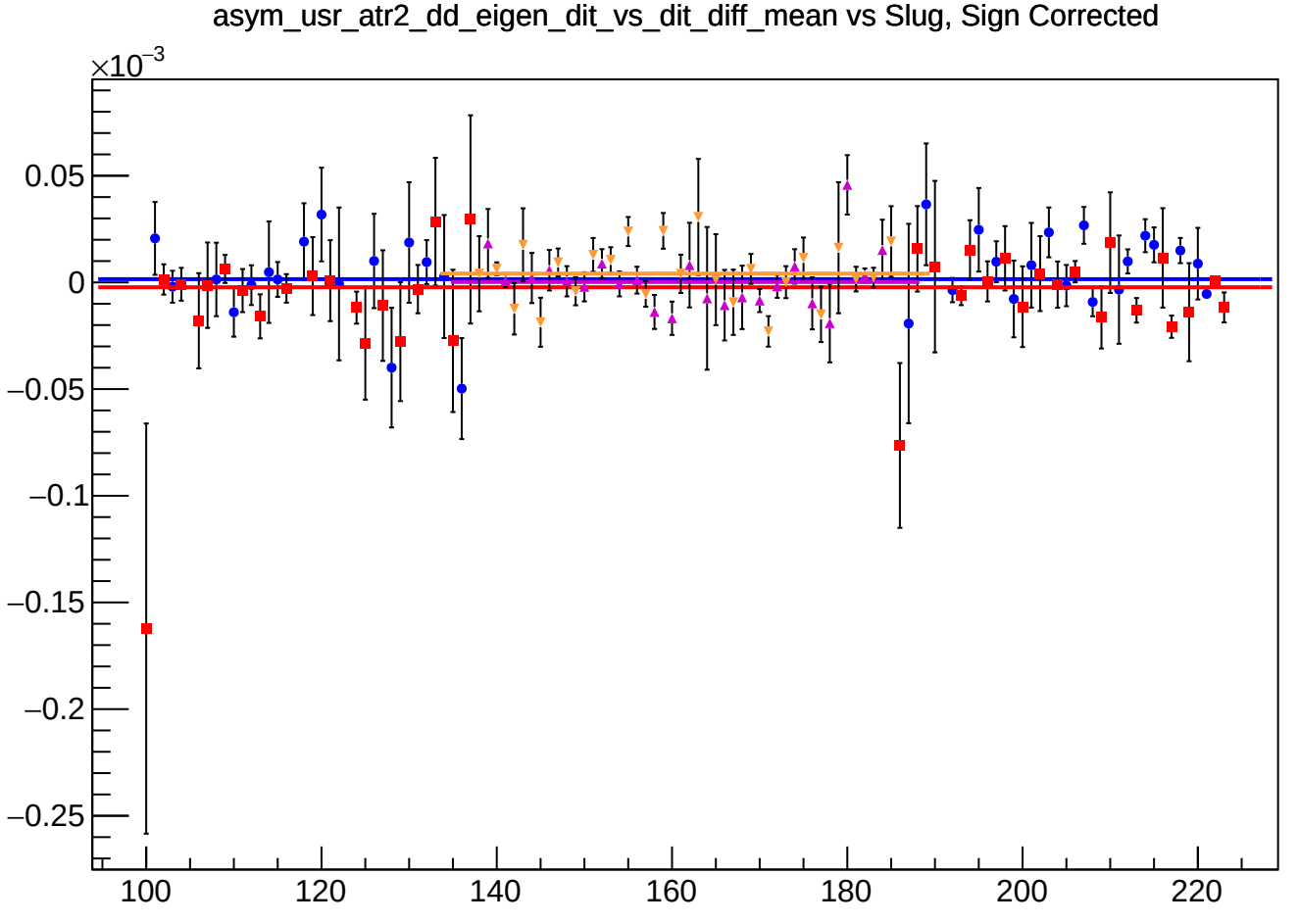
In: 168.756+/-0.021 χ^2/NDF:9052938.2/56

Out: 156.777+/-0.019 χ^2/NDF:14667530.3/62

All: 162.437+/-0.014 χ^2/NDF: 23899165.3/1


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: 0.020+/-0.034 χ²/NDF: 33.7/33
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.067+/-0.032 χ²/NDF: 34.5/37
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.026+/-0.023 χ²/NDF: 71.7/71
In: 0.038+/-0.029 χ²/NDF:64.8/56
Out: -0.056+/-0.028 χ²/NDF:59.0/62
All: -0.012+/-0.020 χ²/NDF: 129.4/119


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 147.439+/-0.024 χ²/NDF: 3573063.1/33
Left Out: 223.945+/-0.039 χ²/NDF:3438444.8/24
Right Out: 133.839+/-0.023 χ²/NDF: 7168704.6/37
Left In: 228.199+/-0.040 χ²/NDF:2488915.3/22
Left: 225.993+/-0.028 χ²/NDF: 5933206.6/47
Right: 140.222+/-0.016 χ²/NDF: 10912297.8/71
In: 168.756+/-0.021 χ²/NDF:9052938.2/56
Out: 156.777+/-0.019 χ²/NDF:14667530.3/62
All: 162.437+/-0.014 χ²/NDF: 23899165.3/11



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

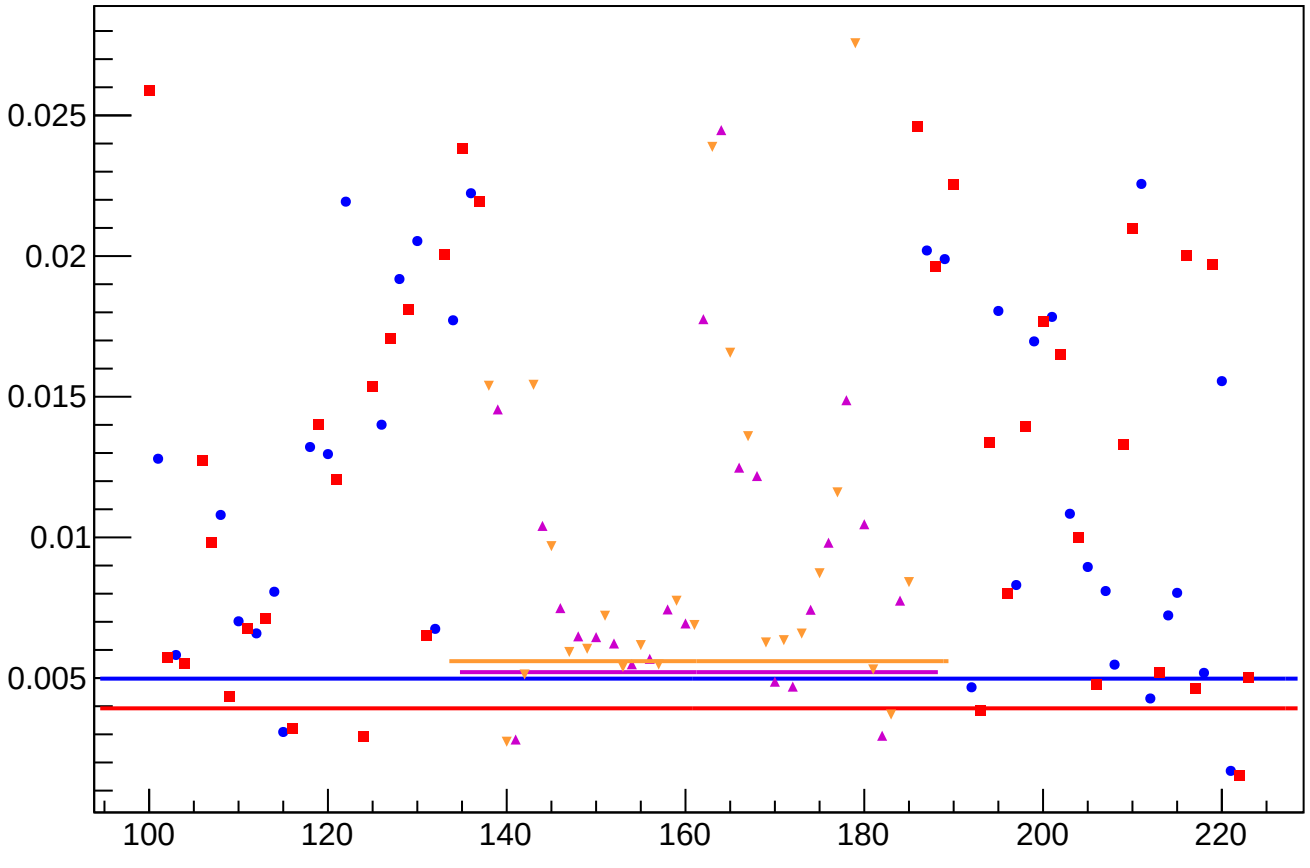
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 113.0/71

In: 0.000+/-0.000 χ^2/NDF:92.7/56

Out: 0.000+/-0.000 χ^2/NDF:107.1/62

All: 0.000+/-0.000 χ^2/NDF: 200.1/119



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

Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

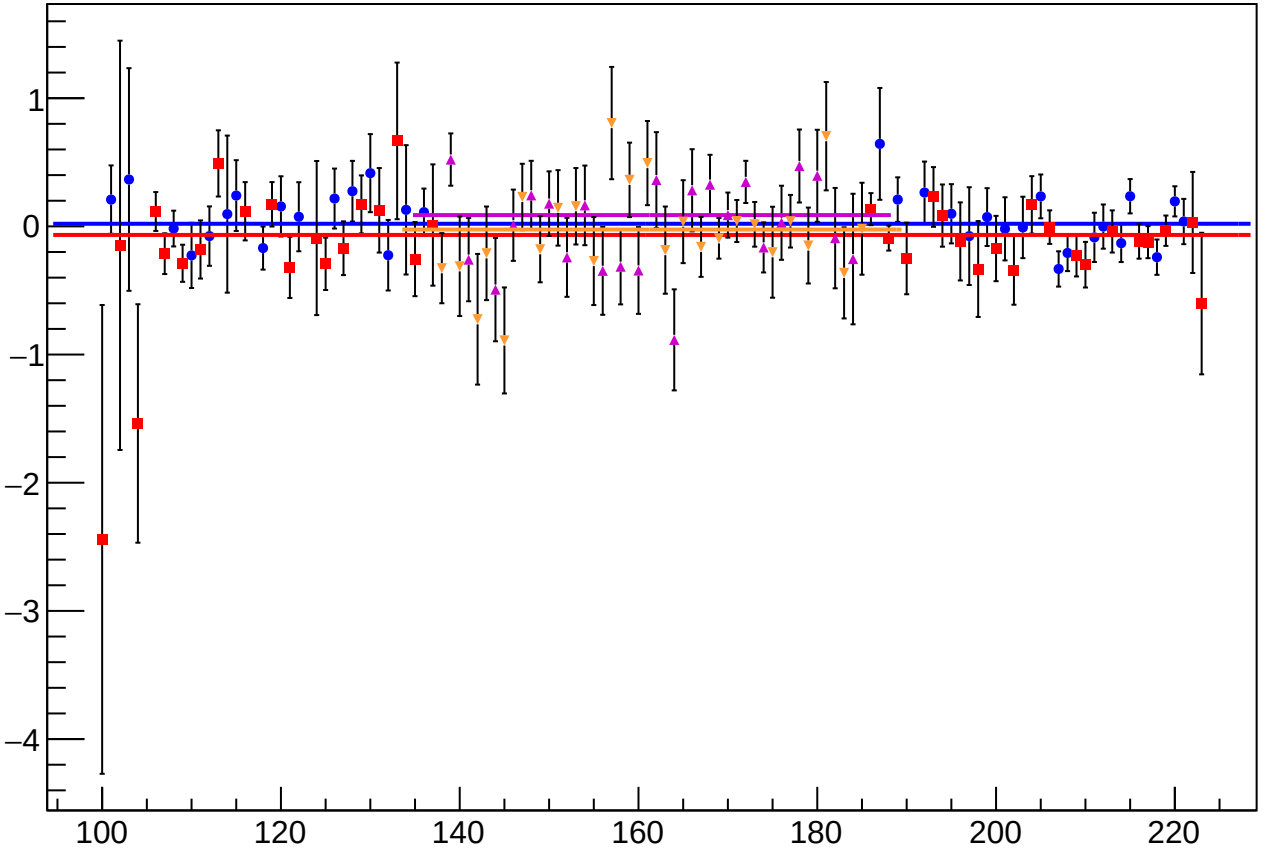
Right: 0.004+/-0.000 χ^2/NDF: 37741490.2/71

In: 0.005+/-0.000 χ^2/NDF:23897535.2/56

Out: 0.005+/-0.000 χ^2/NDF:30045758.1/62

All: 0.005+/-0.000 χ^2/NDF: 54242423.3/119

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

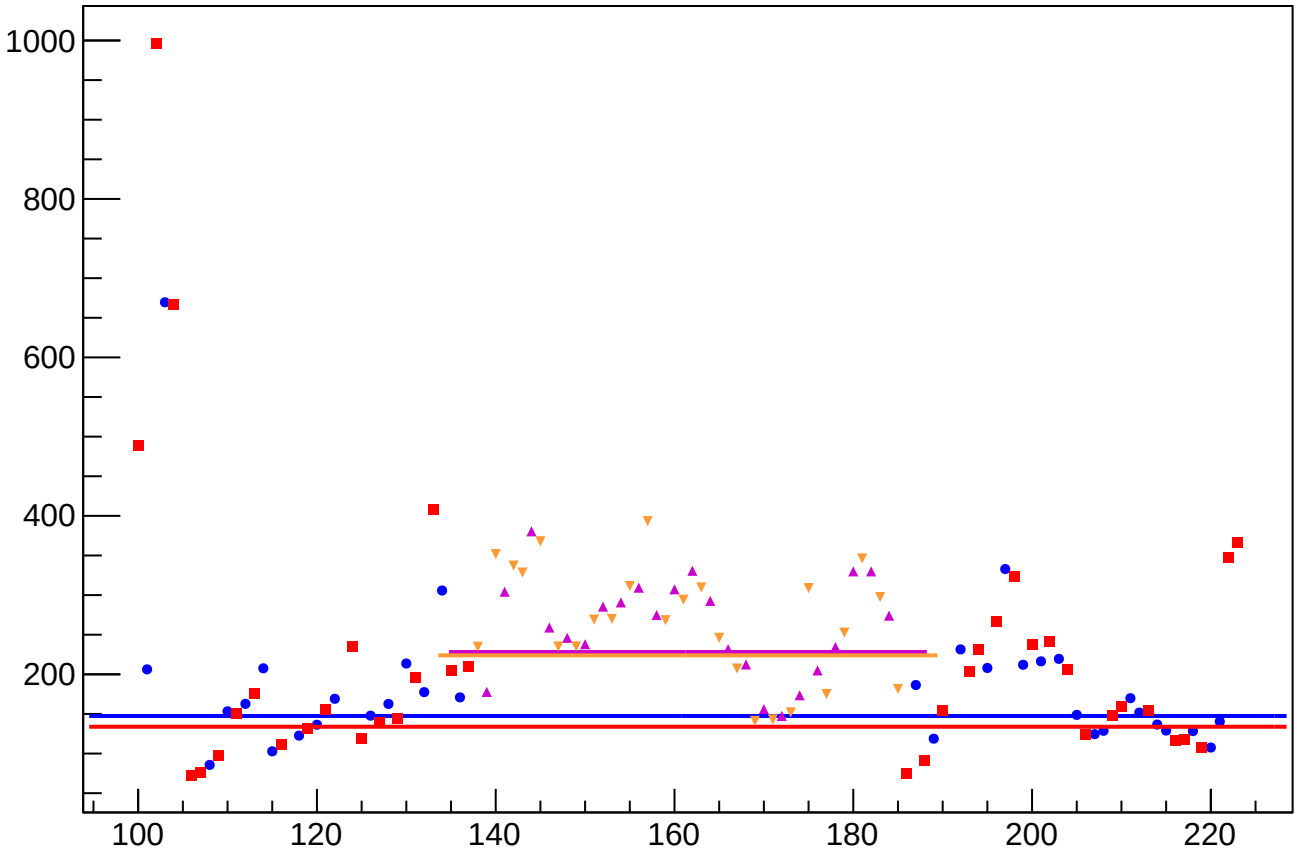
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.026+/-0.023 χ^2/NDF: 71.7/71

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.056+/-0.028 χ^2/NDF:59.0/62

All: -0.012+/-0.020 χ^2/NDF: 129.4/119



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

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

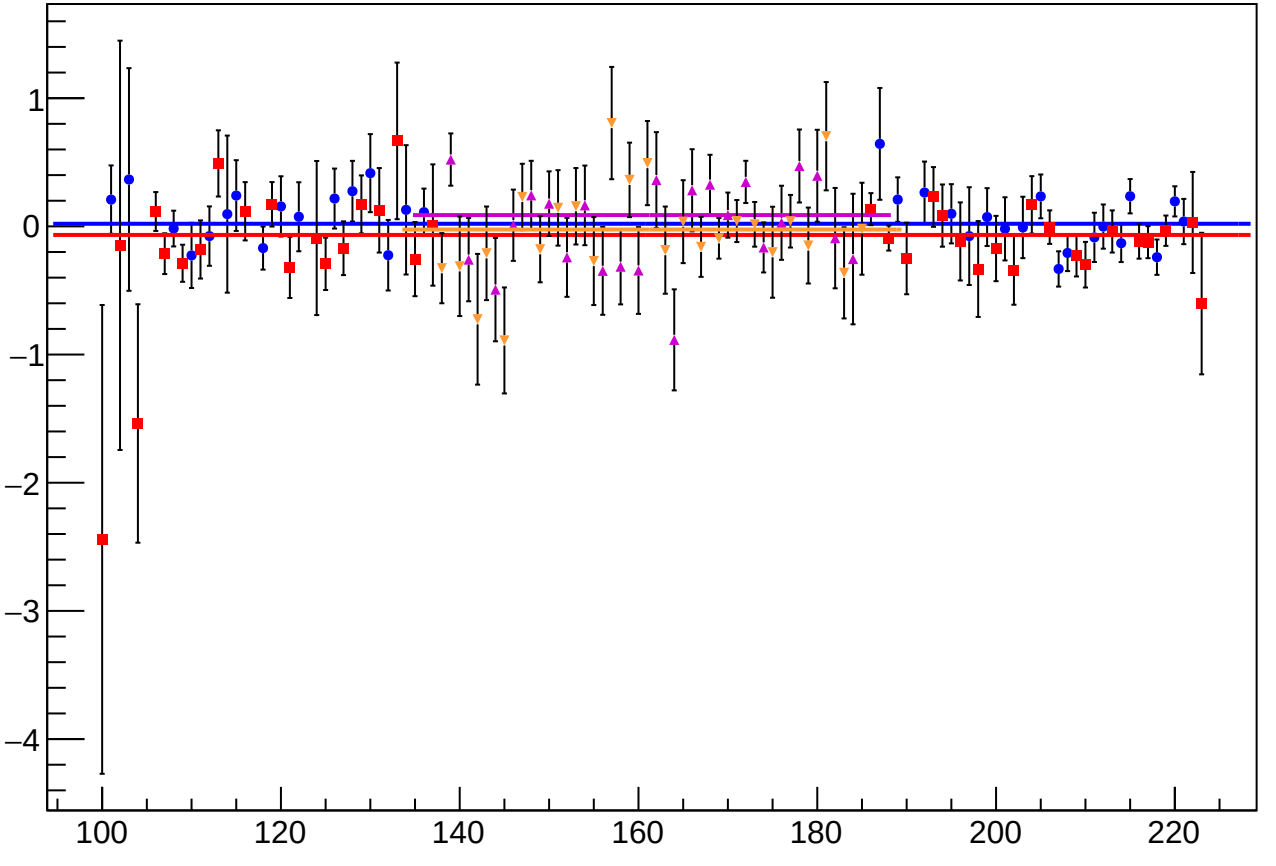
Right: 140.223+/-0.016 χ^2/NDF: 10911760.4/71

In: 168.755+/-0.021 χ^2/NDF:9053363.5/56

Out: 156.780+/-0.019 χ^2/NDF:14666810.7/62

All: 162.438+/-0.014 χ^2/NDF: 23898735.6/1

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

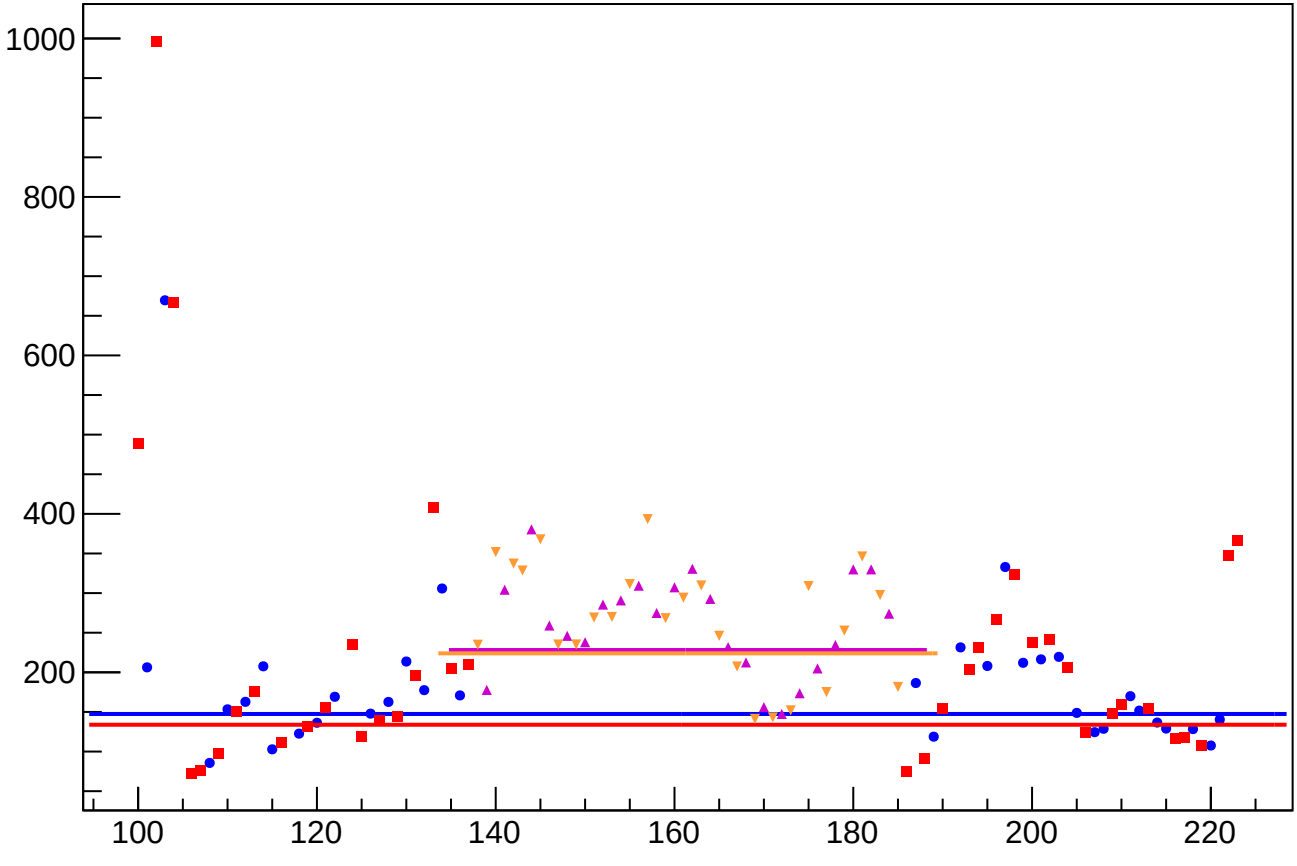
Right: -0.026+/-0.023 χ^2/NDF: 71.7/71

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.056+/-0.028 χ^2/NDF:59.0/62

All: -0.012+/-0.020 χ^2/NDF: 129.4/119

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

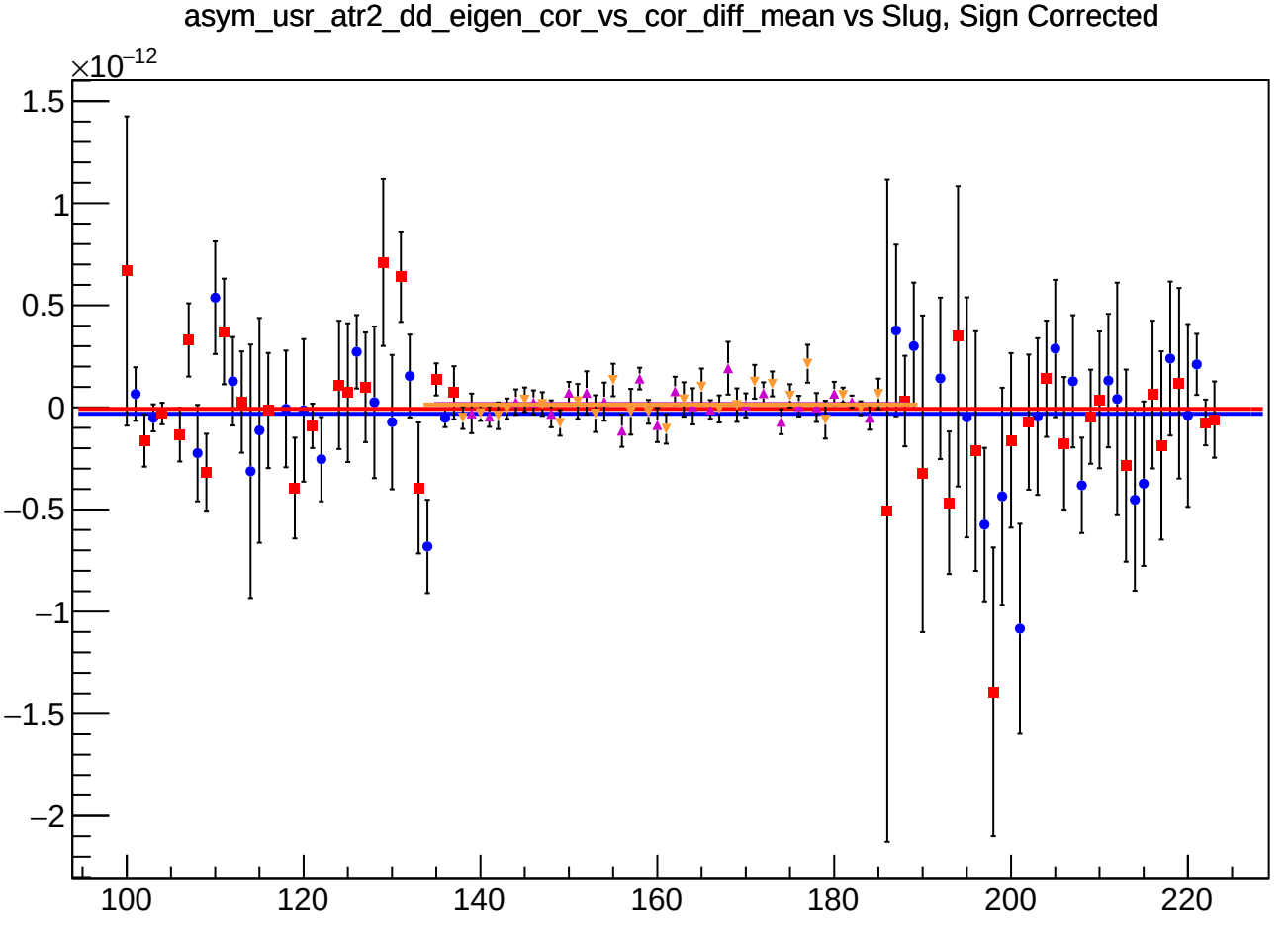
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 140.223+/-0.016 χ^2/NDF: 10911760.4/71

In: 168.755+/-0.021 χ^2/NDF:9053363.5/56

Out: 156.780+/-0.019 χ^2/NDF:14666810.7/62

All: 162.438+/-0.014 χ^2/NDF: 23898735.6/11



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

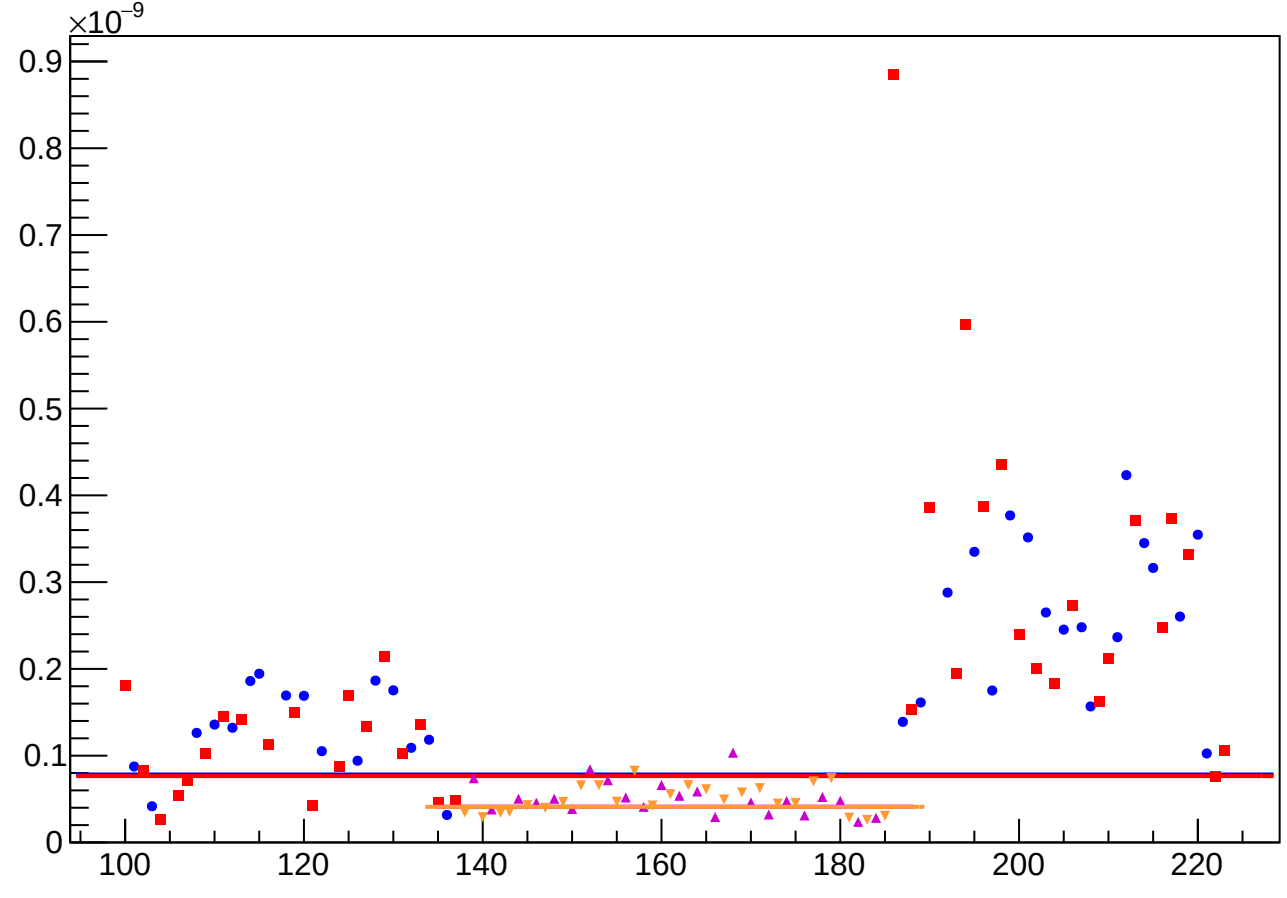
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.4/71

In: 0.000+/-0.000 χ^2/NDF:61.0/56

Out: 0.000+/-0.000 χ^2/NDF:65.9/62

All: 0.000+/-0.000 χ^2/NDF: 126.9/119



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

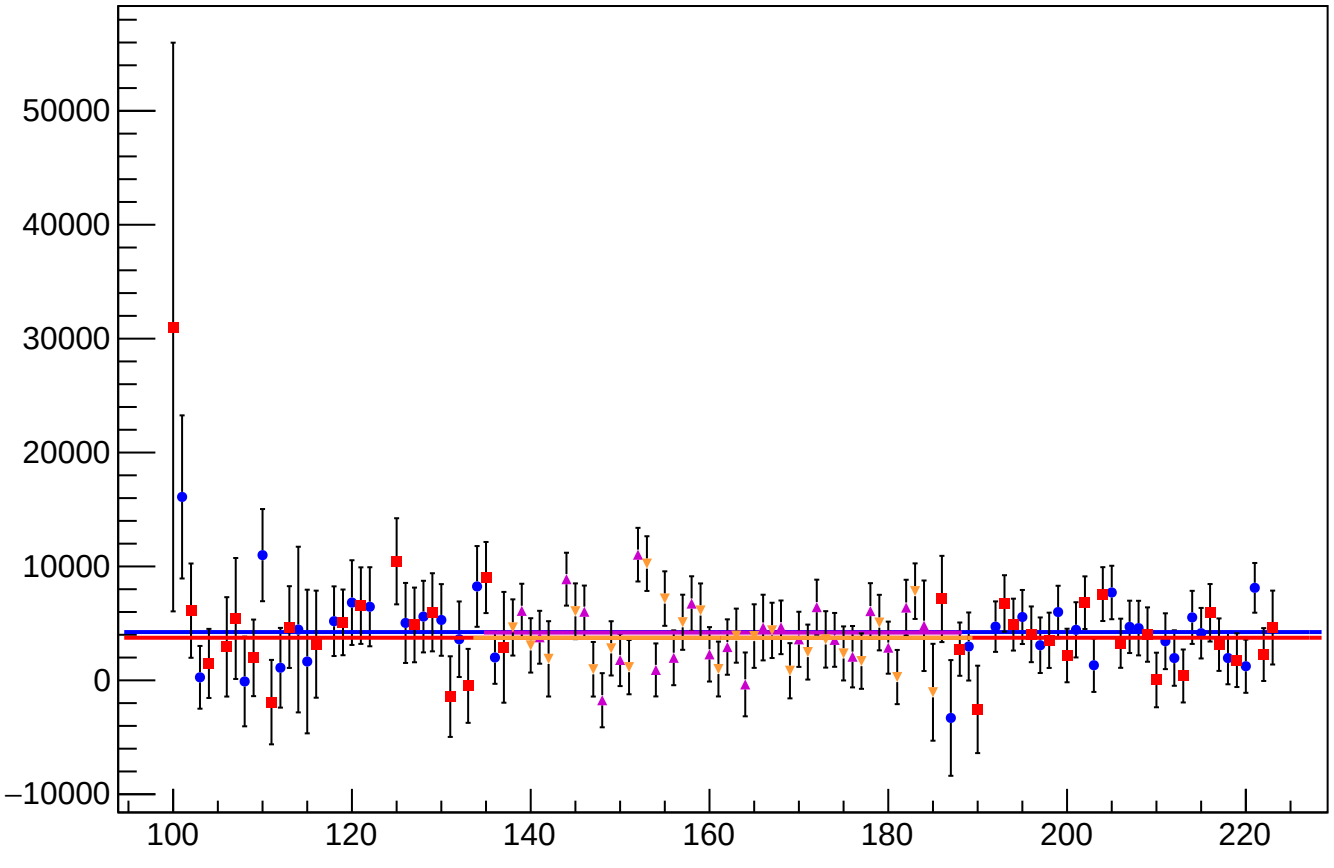
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 23949564.6/71

In: 0.000+/-0.000 χ^2/NDF:17627912.9/56

Out: 0.000+/-0.000 χ^2/NDF:17037551.6/62

All: 0.000+/-0.000 χ^2/NDF: 34666387.2/119



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

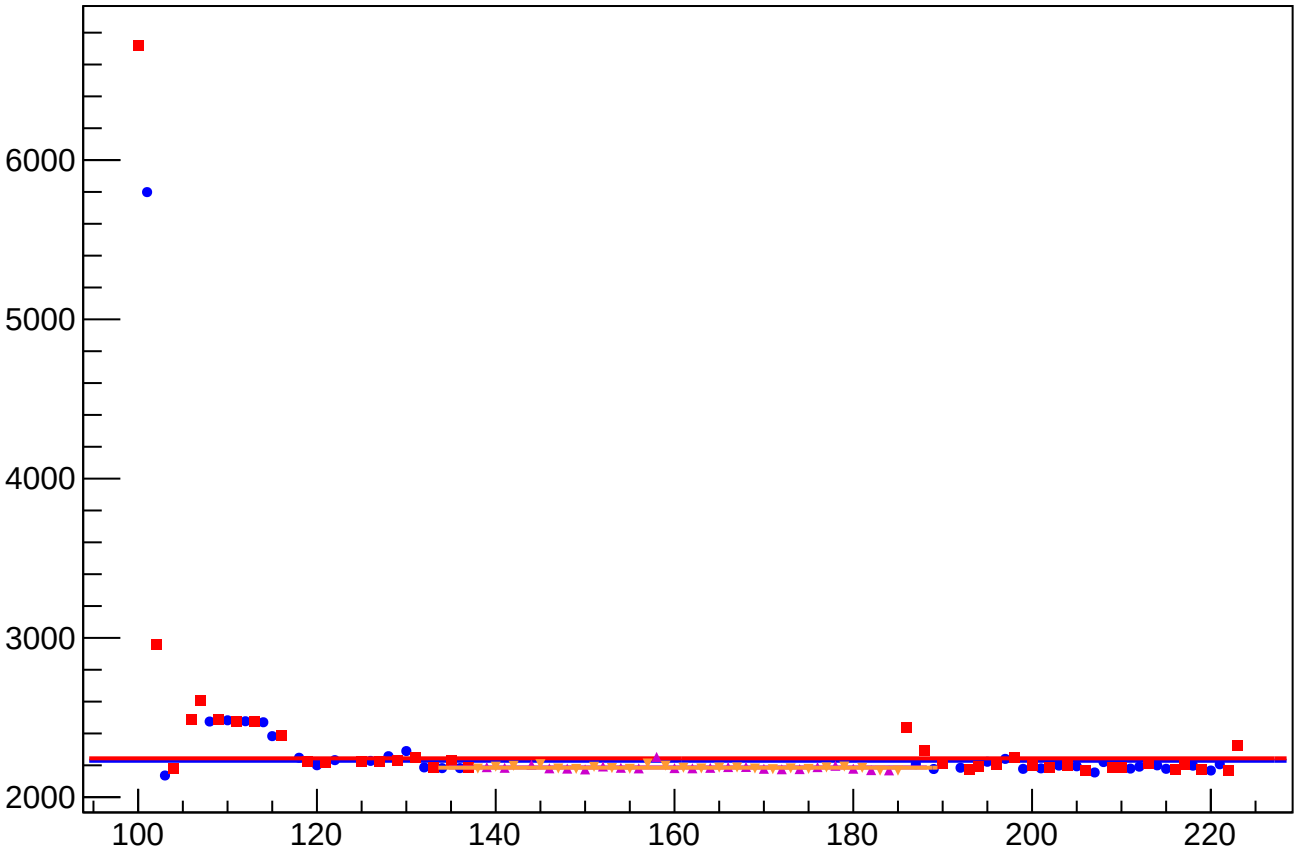
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 3988.349+/-336.578 χ^2/NDF: 61.4/70

In: 4218.676+/-348.557 χ^2/NDF:59.9/56

Out: 3732.433+/-346.683 χ^2/NDF:58.5/60

All: 3974.244+/-245.802 χ^2/NDF: 119.4/117



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

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

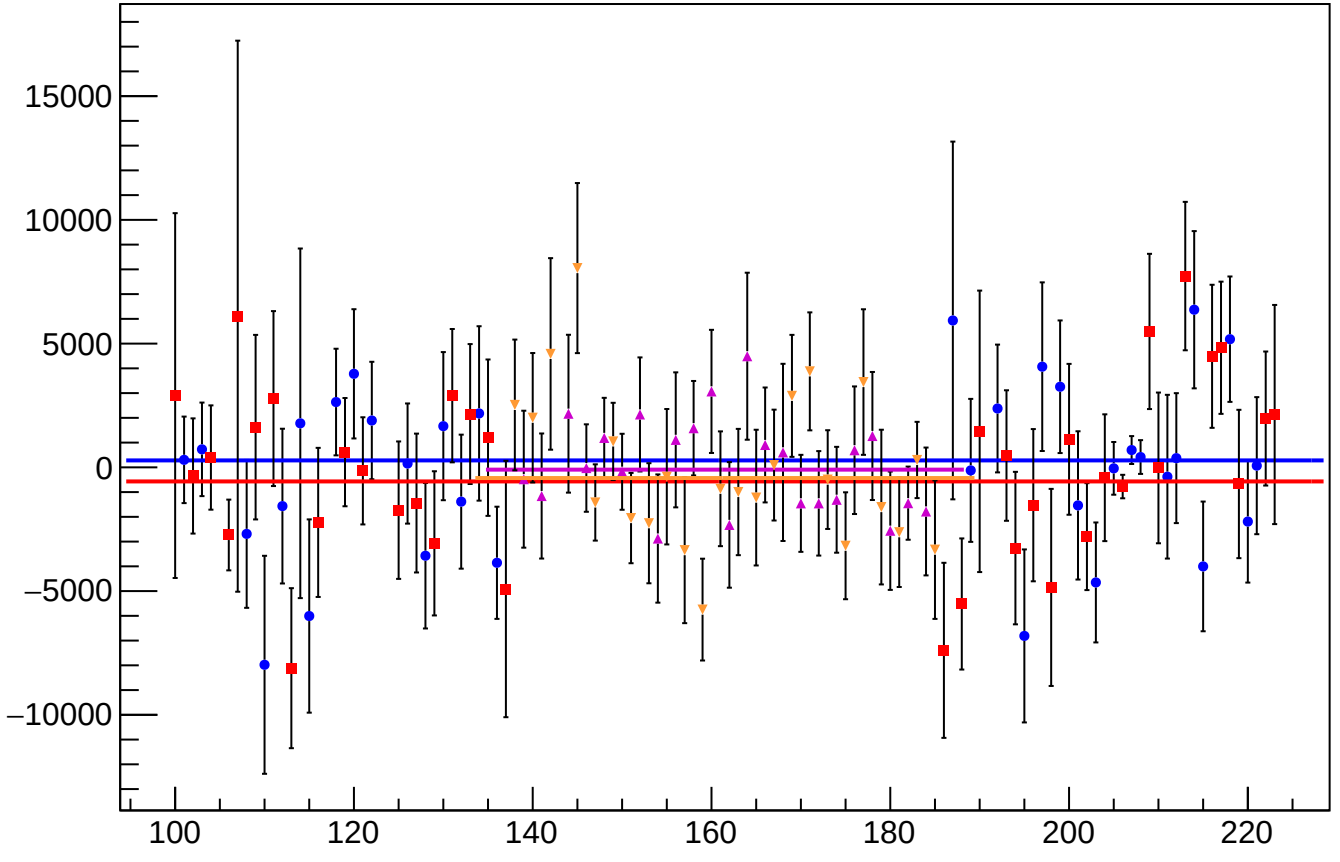
Right: 2236.190+/-0.238 χ^2/NDF: 737980.5/70

In: 2209.032+/-0.246 χ^2/NDF:550978.4/56

Out: 2216.402+/-0.245 χ^2/NDF:210250.1/60

All: 2212.737+/-0.174 χ^2/NDF: 761678.0/117

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



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

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

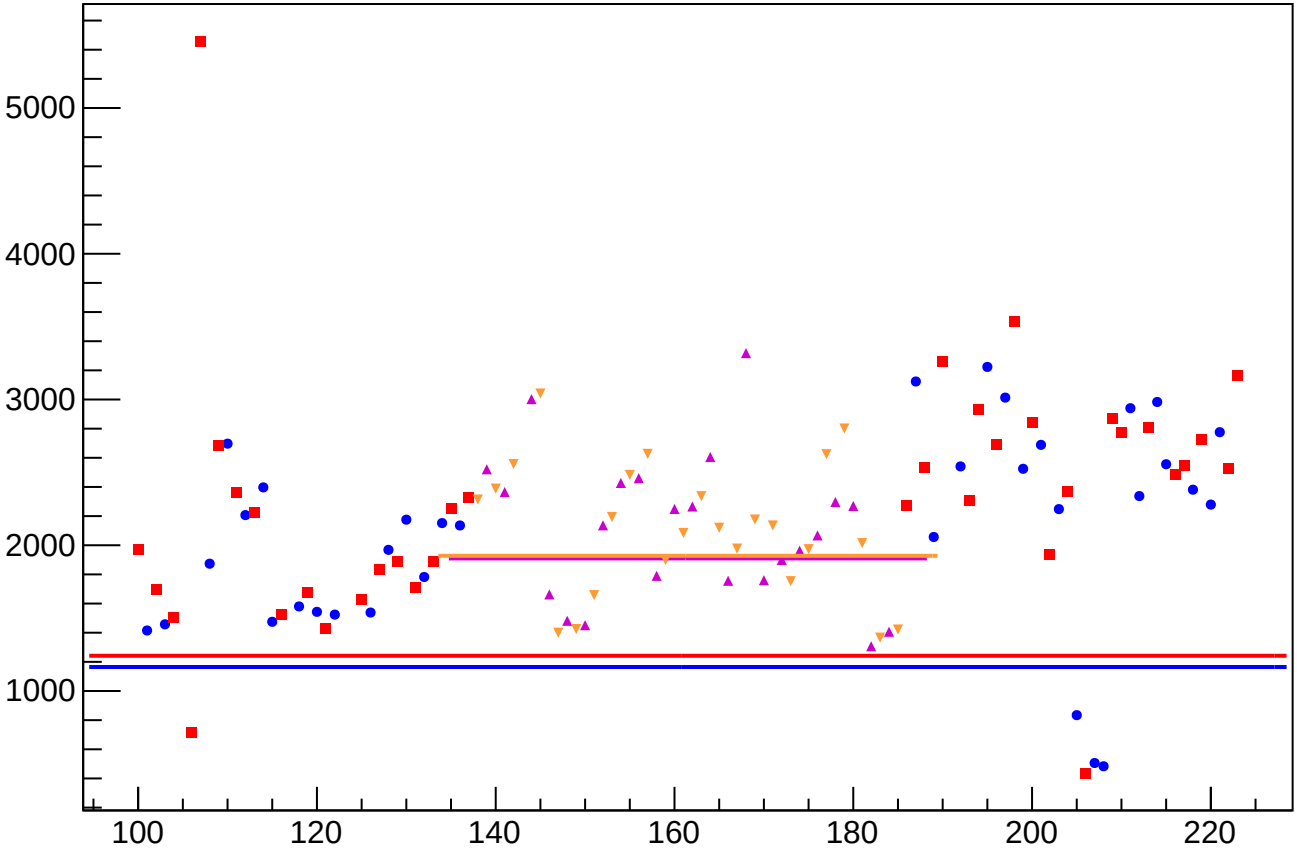
Right: -114.649+/-227.961 χ^2/NDF: 90.5/70

In: 163.264+/-258.152 χ^2/NDF:54.4/56

Out: -522.080+/-270.891 χ^2/NDF:77.3/60

All: -162.916+/-186.882 χ^2/NDF: 135.0/117

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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

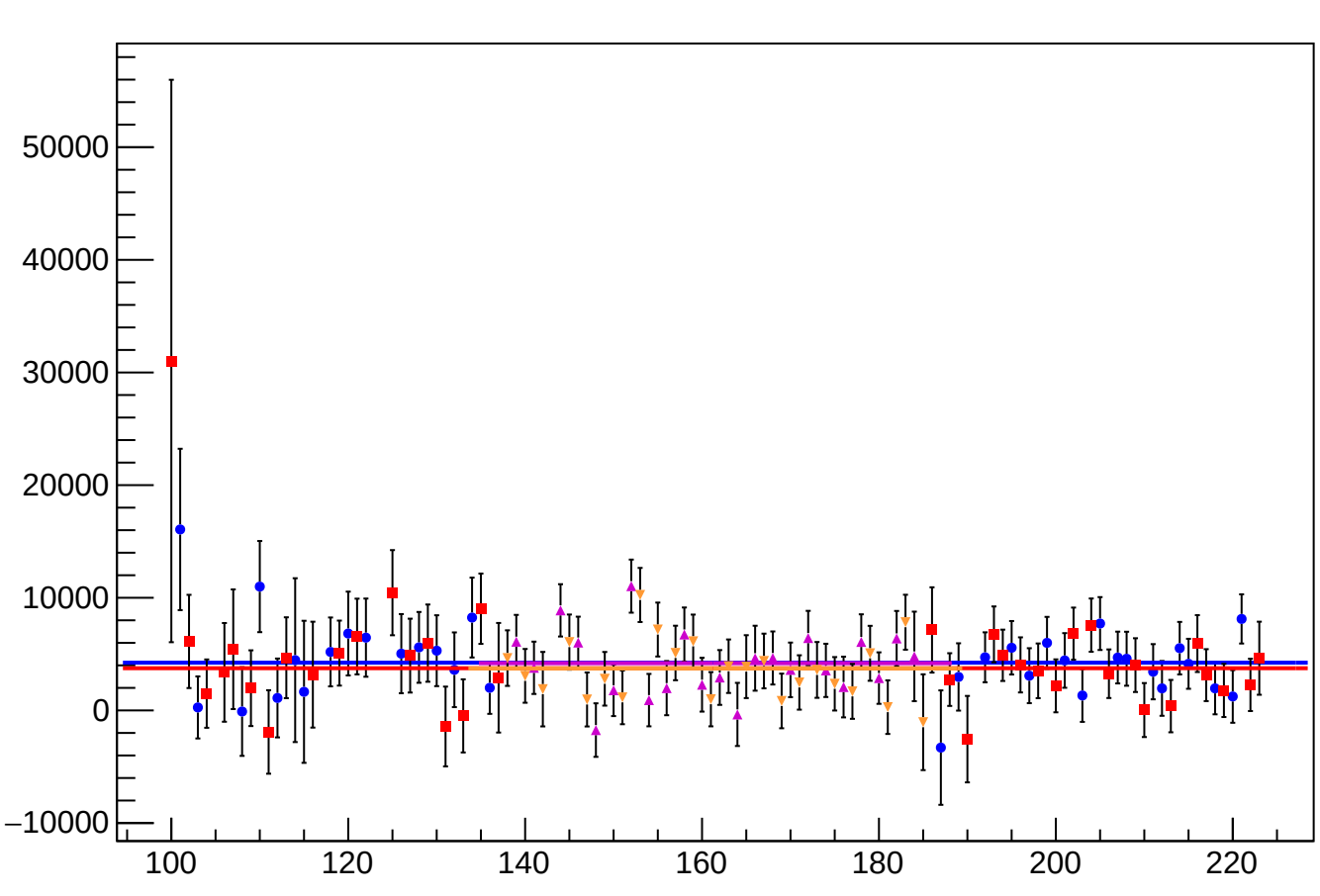
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1200.473+/-0.161 χ^2/NDF: 30125180.0/70

In: 1398.505+/-0.183 χ^2/NDF:19764236.1/56

Out: 1477.219+/-0.192 χ^2/NDF:20523325.3/60

All: 1435.968+/-0.132 χ^2/NDF: 40376058.9/1



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

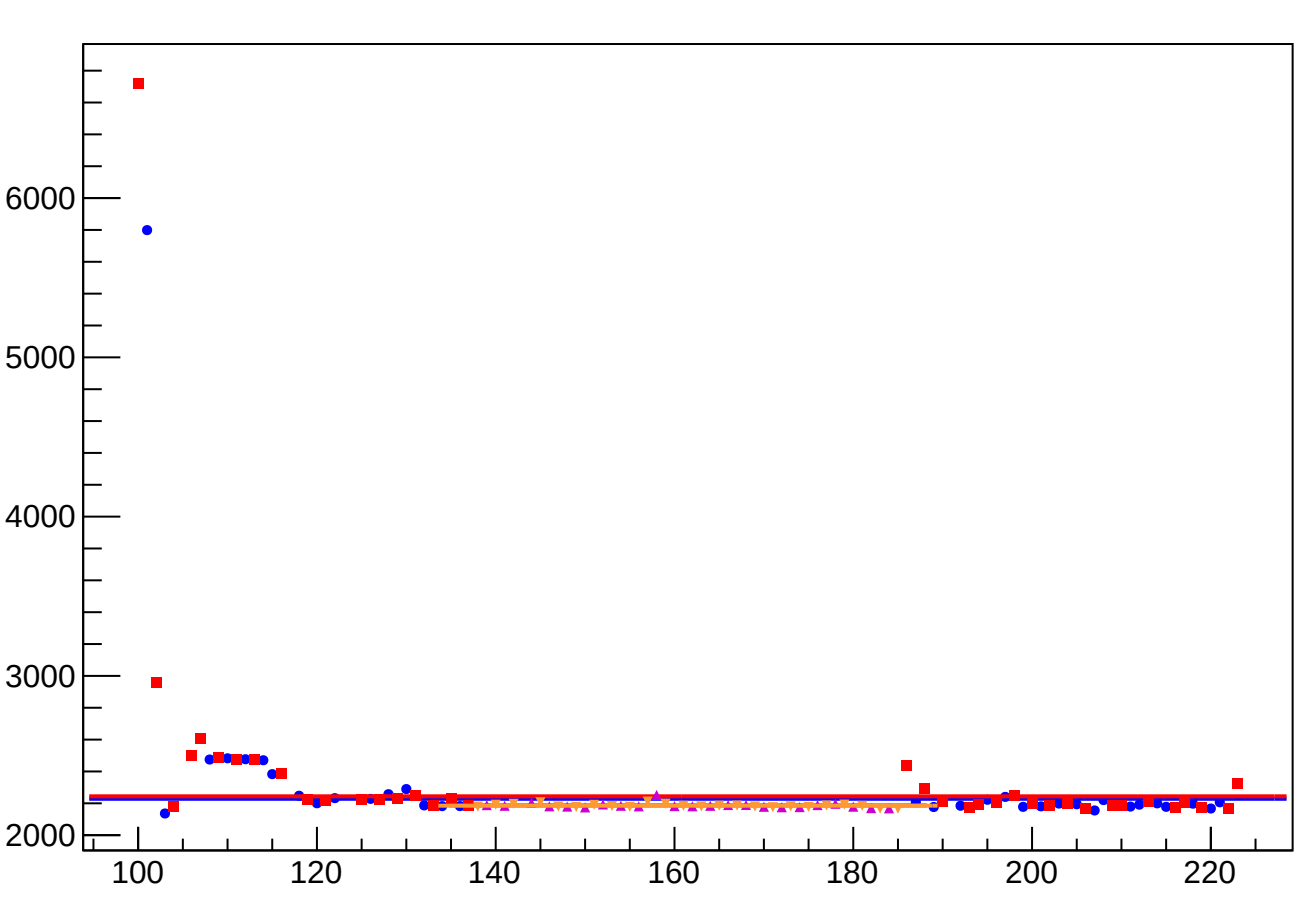
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3990.942+/-336.587 χ^2/NDF: 61.4/70

In: 4218.598+/-348.557 χ^2/NDF:59.9/56

Out: 3735.277+/-346.693 χ^2/NDF:58.5/60

All: 3975.642+/-245.805 χ^2/NDF: 119.3/117



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

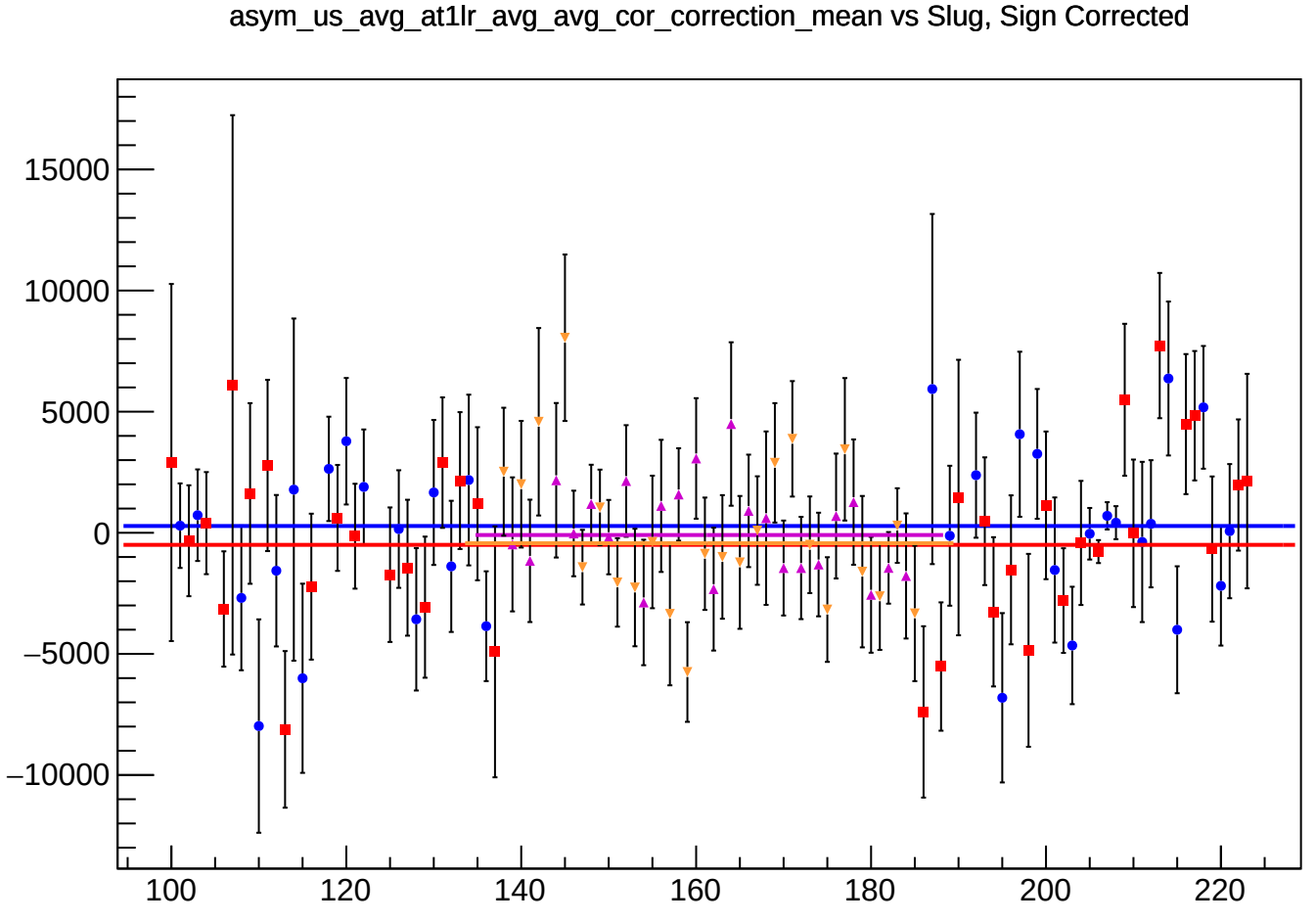
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

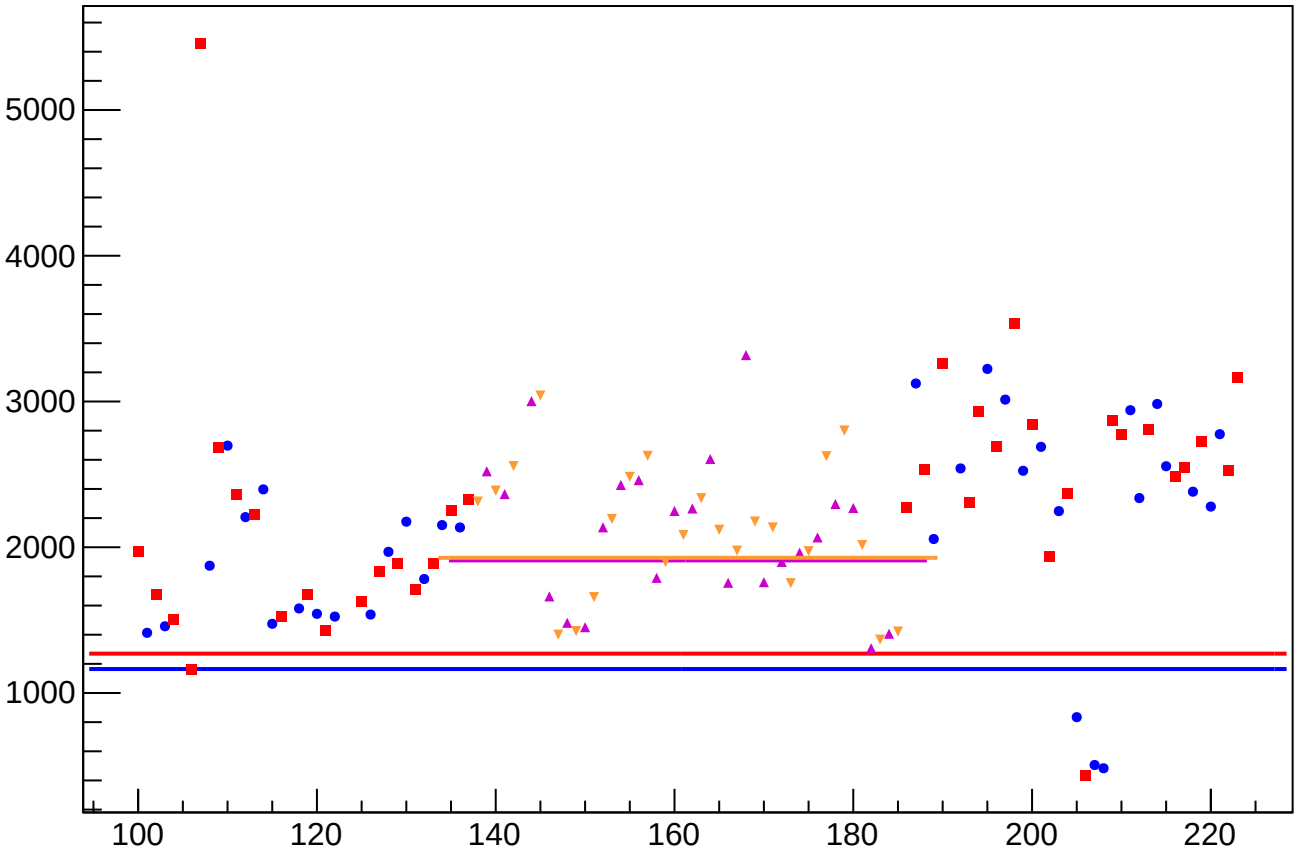
Right: 2236.240+/-0.238 χ^2/NDF: 738502.2/70

In: 2209.032+/-0.246 χ^2/NDF:550978.8/56

Out: 2216.454+/-0.245 χ^2/NDF:210806.1/60

All: 2212.763+/-0.174 χ^2/NDF: 762240.8/117


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 280.236+/-311.672 χ²/NDF: 41.1/33
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -498.296+/-340.140 χ²/NDF: 44.8/36
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -75.092+/-229.792 χ²/NDF: 88.8/70
In: 163.162+/-258.142 χ²/NDF:54.4/56
Out: -475.130+/-273.991 χ²/NDF:76.1/60
All: -136.989+/-187.887 χ²/NDF: 133.3/117



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

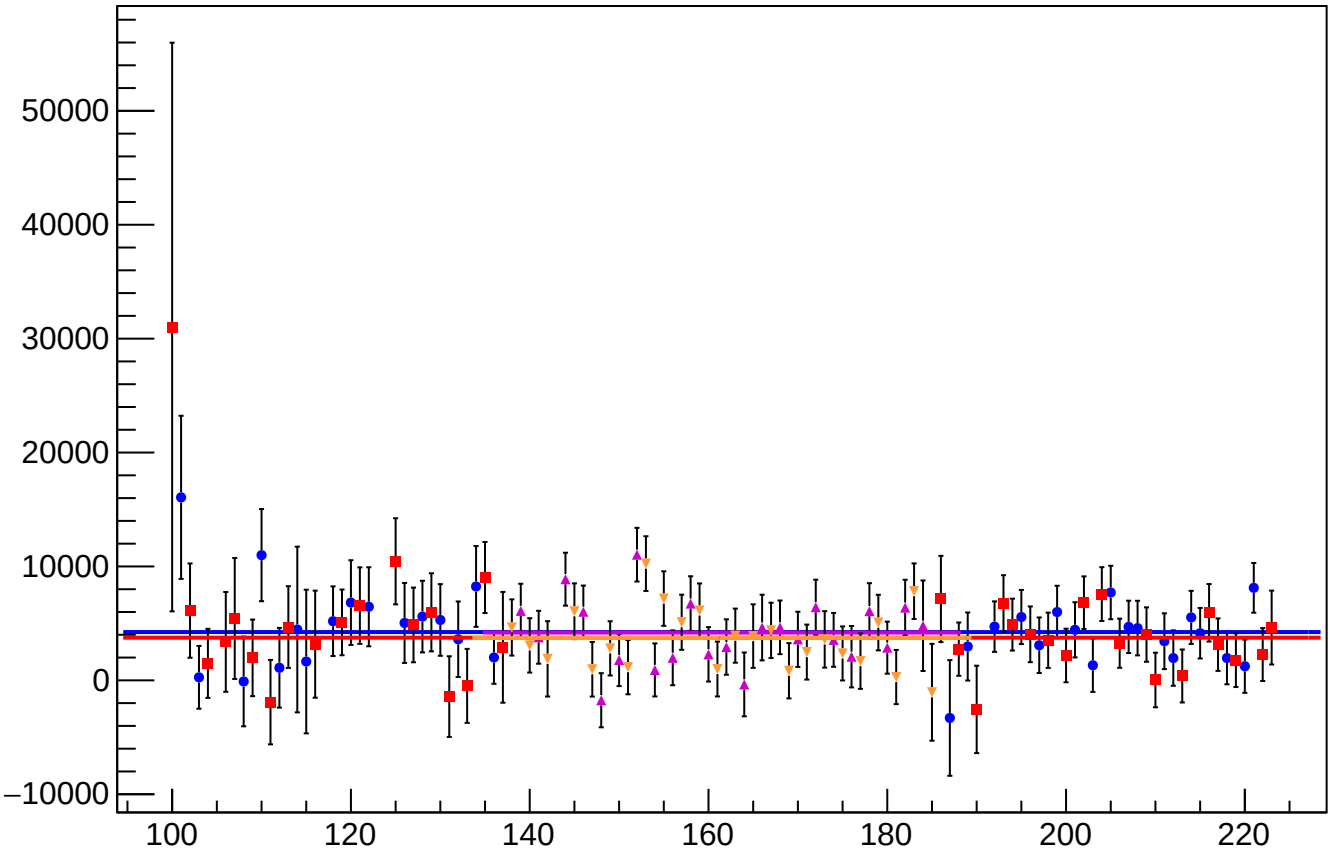
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1212.638+/-0.162 χ^2/NDF: 29885598.0/70

In: 1398.439+/-0.183 χ^2/NDF:19765162.9/56

Out: 1500.942+/-0.194 χ^2/NDF:19971343.2/60

All: 1446.640+/-0.133 χ^2/NDF: 39884795.9/1



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

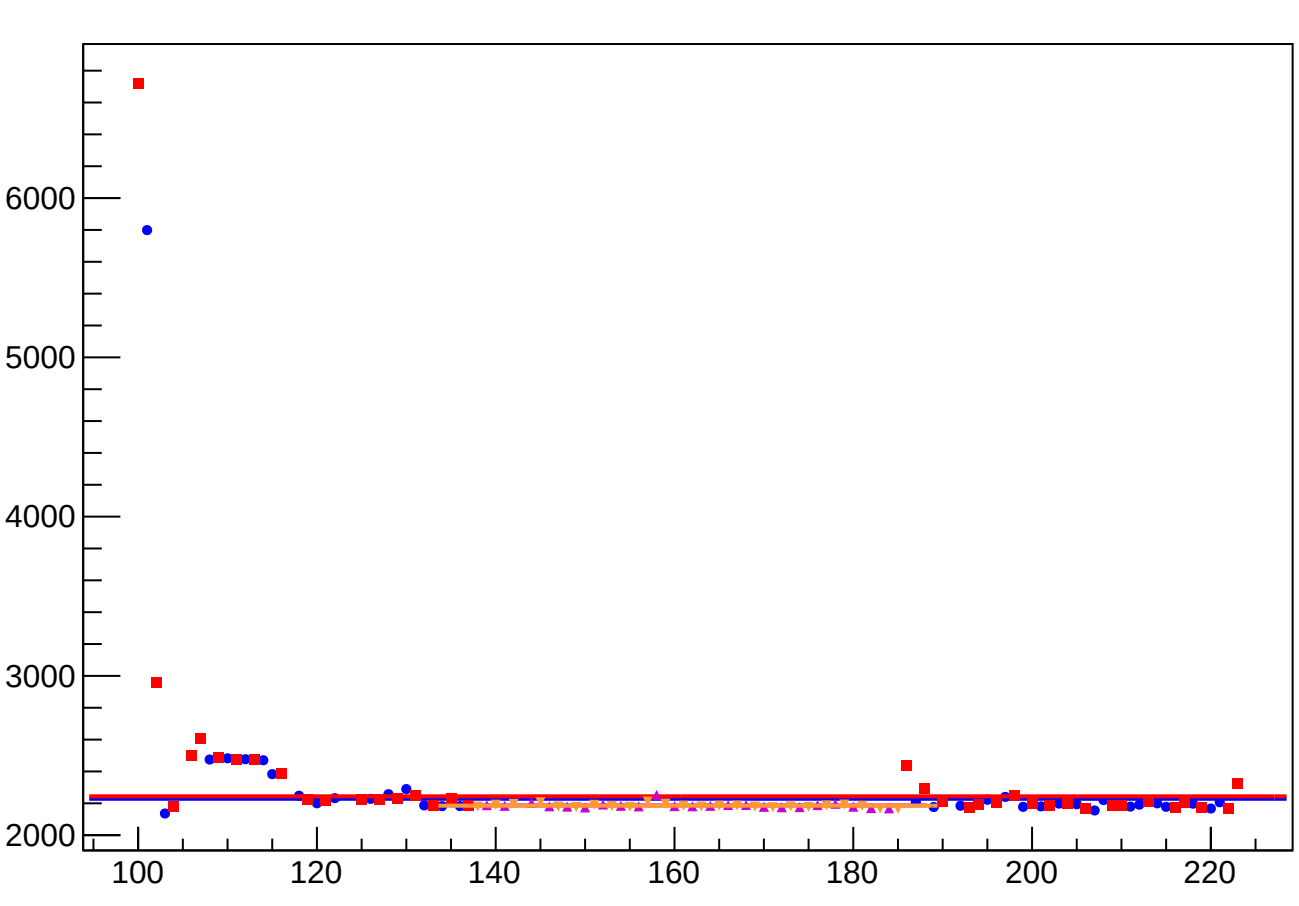
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3990.942+/-336.587 χ^2/NDF: 61.4/70

In: 4218.598+/-348.557 χ^2/NDF:59.9/56

Out: 3735.277+/-346.693 χ^2/NDF:58.5/60

All: 3975.642+/-245.805 χ^2/NDF: 119.3/117



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

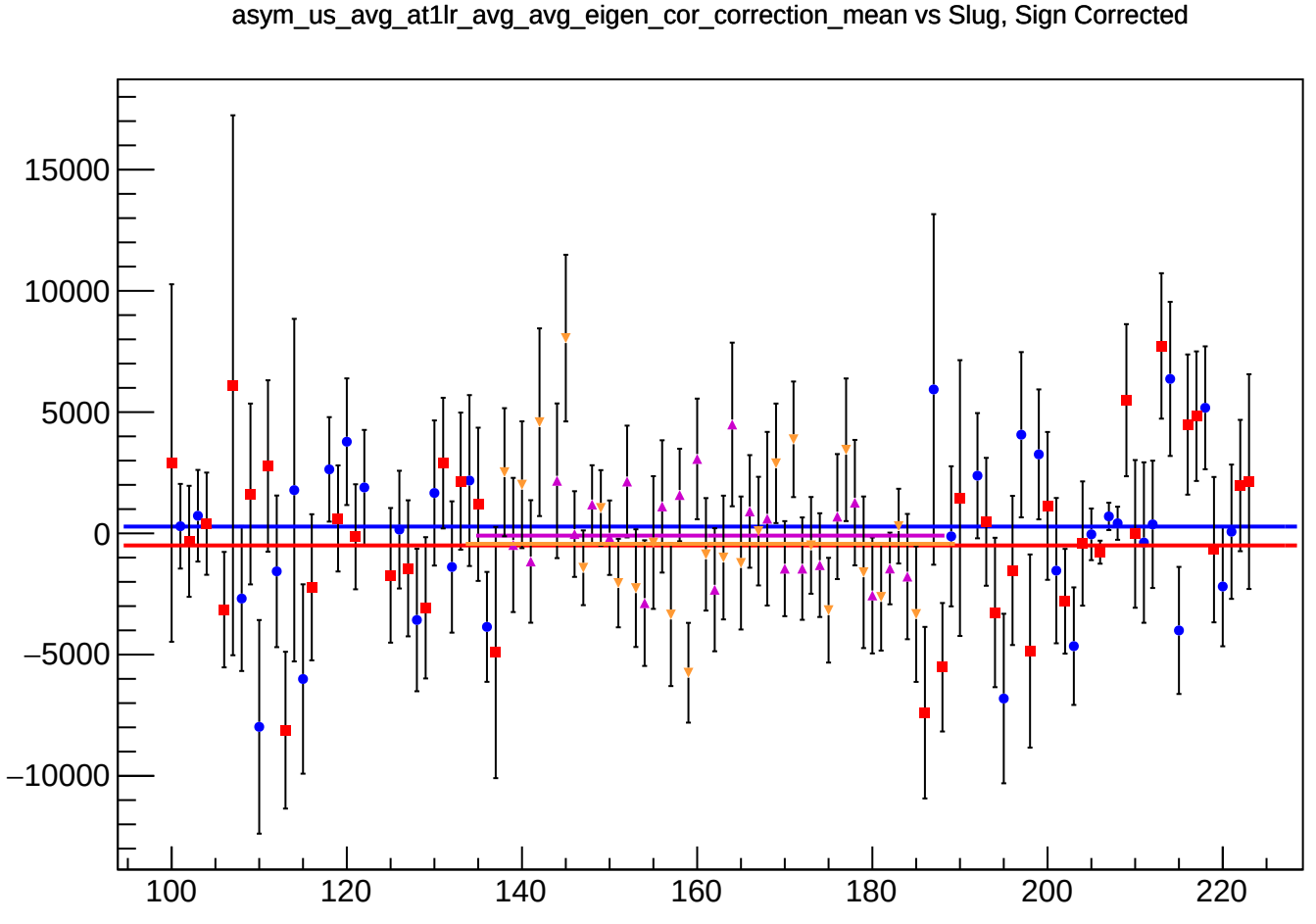
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2236.240+/-0.238 χ^2/NDF: 738502.2/70

In: 2209.032+/-0.246 χ^2/NDF:550978.8/56

Out: 2216.454+/-0.245 χ^2/NDF:210806.1/60

All: 2212.763+/-0.174 χ^2/NDF: 762240.8/117



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

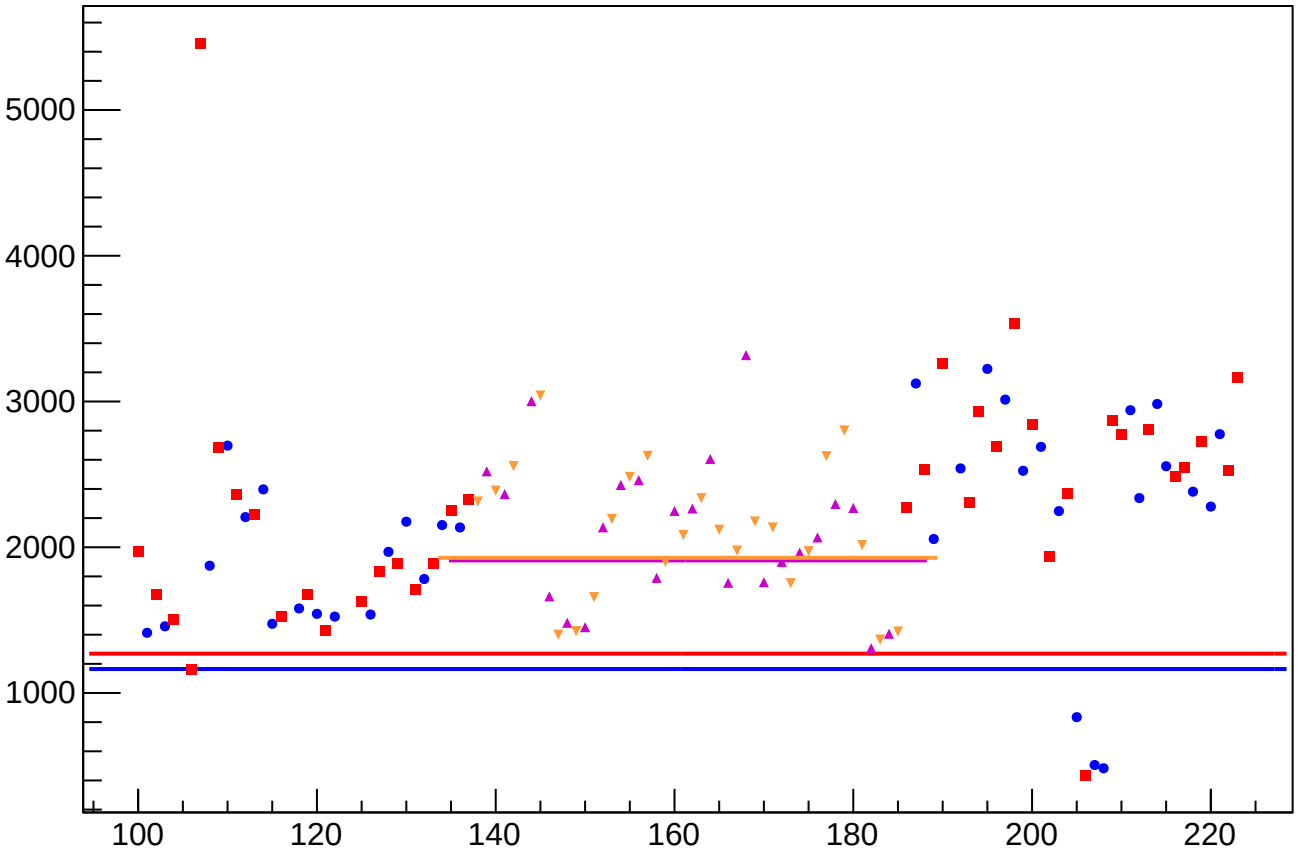
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -75.092+/-229.792 χ^2/NDF: 88.8/70

In: 163.162+/-258.142 χ^2/NDF:54.4/56

Out: -475.130+/-273.991 χ^2/NDF:76.1/60

All: -136.989+/-187.887 χ^2/NDF: 133.3/117



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

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

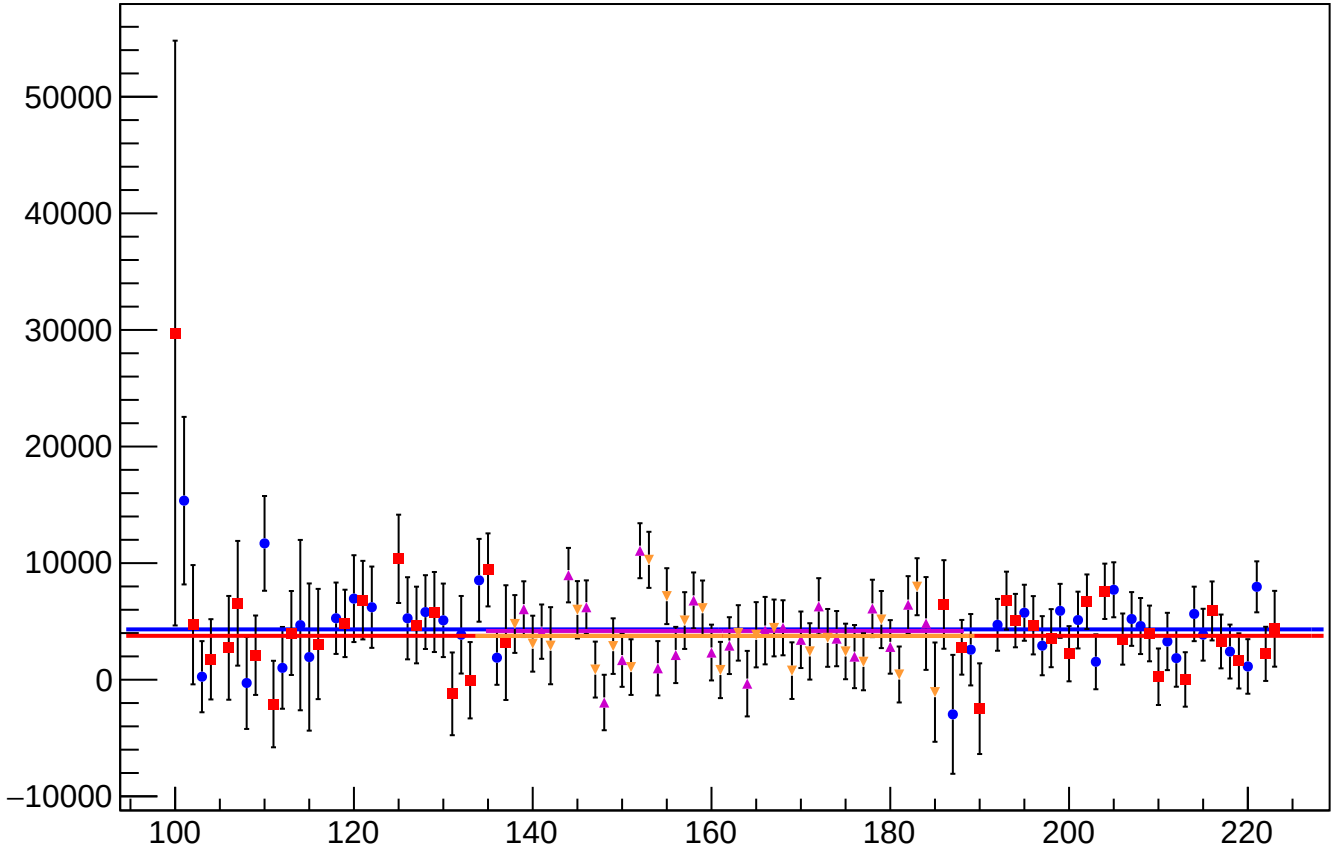
Right: 1212.638+/-0.162 χ^2/NDF: 29885598.0/70

In: 1398.439+/-0.183 χ^2/NDF:19765162.9/56

Out: 1500.942+/-0.194 χ^2/NDF:19971343.2/60

All: 1446.640+/-0.133 χ^2/NDF: 39884795.9/1

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



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

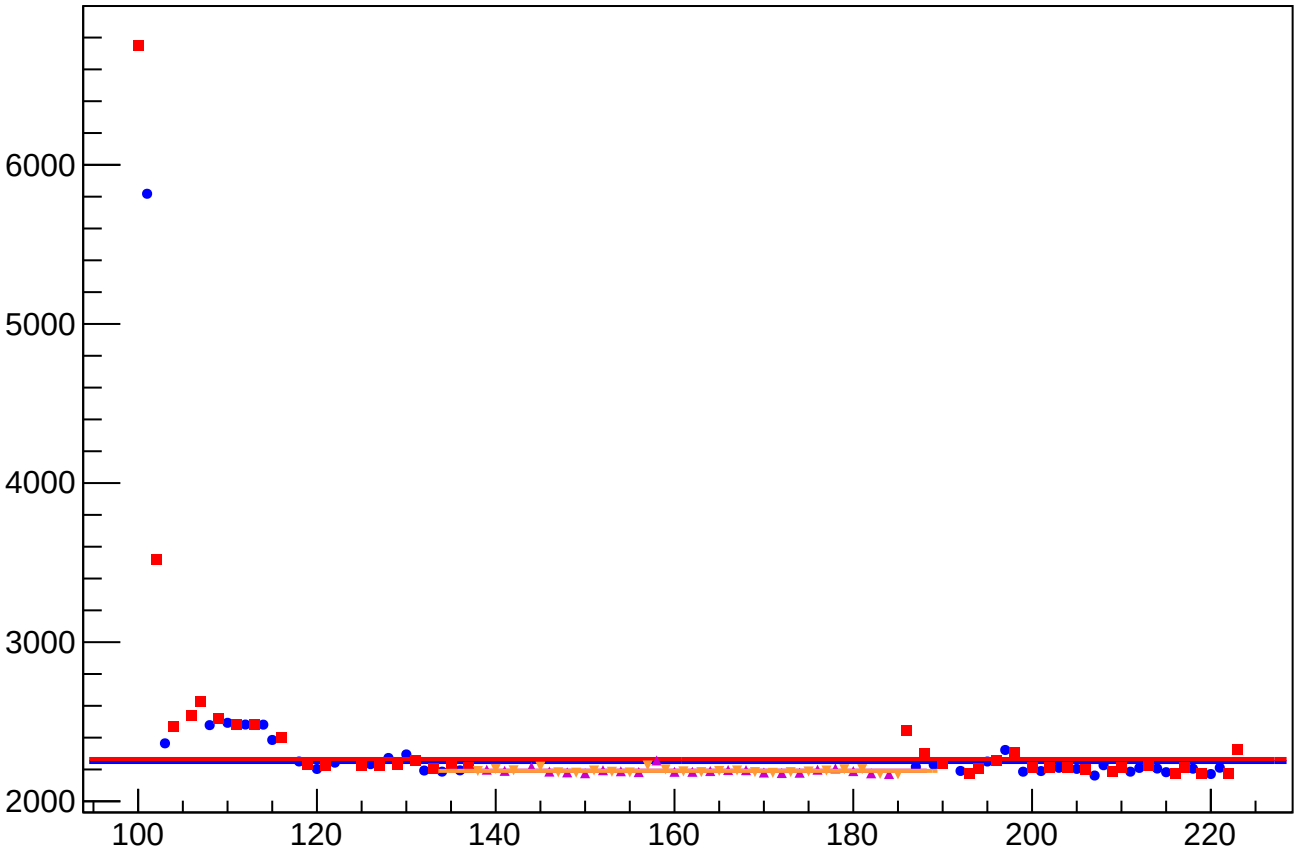
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4041.033+/-339.969 χ^2/NDF: 60.4/70

In: 4255.142+/-350.519 χ^2/NDF:60.4/56

Out: 3759.716+/-349.299 χ^2/NDF:57.7/60

All: 4006.565+/-247.422 χ^2/NDF: 119.1/117



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

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

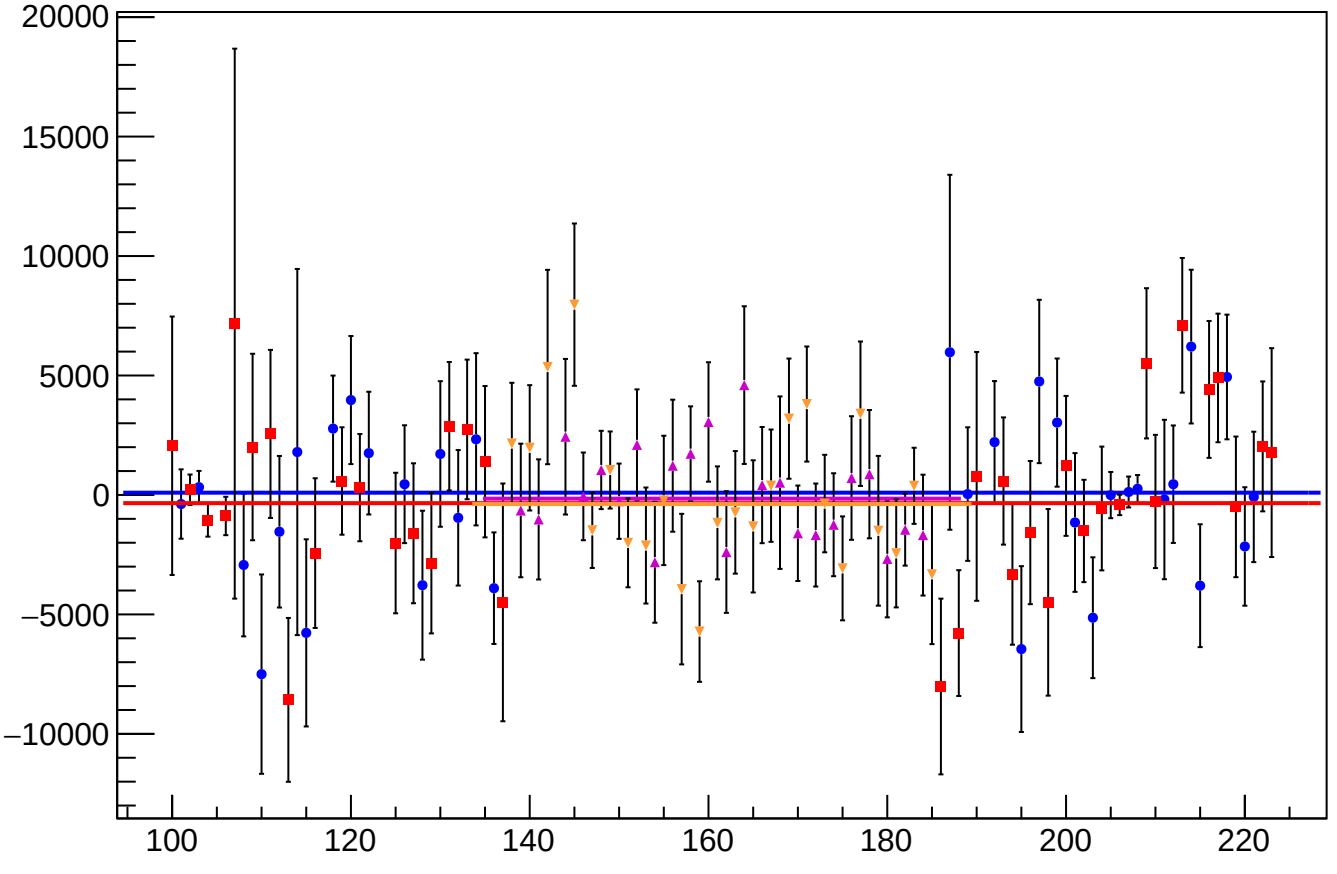
Right: 2256.344+/-0.240 χ^2/NDF: 810930.6/70

In: 2221.172+/-0.248 χ^2/NDF:557649.4/56

Out: 2230.646+/-0.247 χ^2/NDF:290105.3/60

All: 2225.926+/-0.175 χ^2/NDF: 848487.9/117

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



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

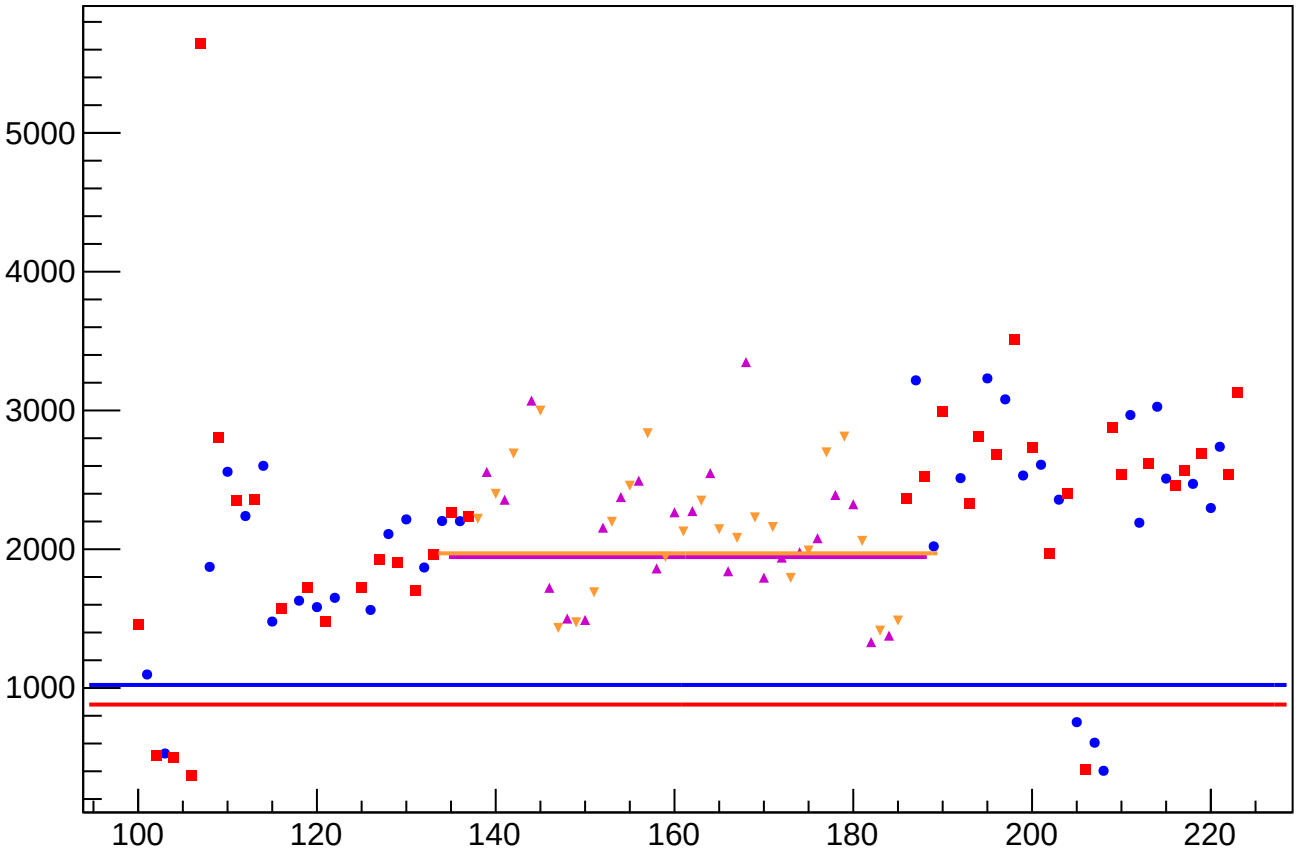
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -143.911+/-189.834 χ^2/NDF: 85.3/70

In: 28.679+/-241.501 χ^2/NDF:52.1/56

Out: -350.944+/-225.488 χ^2/NDF:75.7/60

All: -174.135+/-164.815 χ^2/NDF: 129.1/117



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

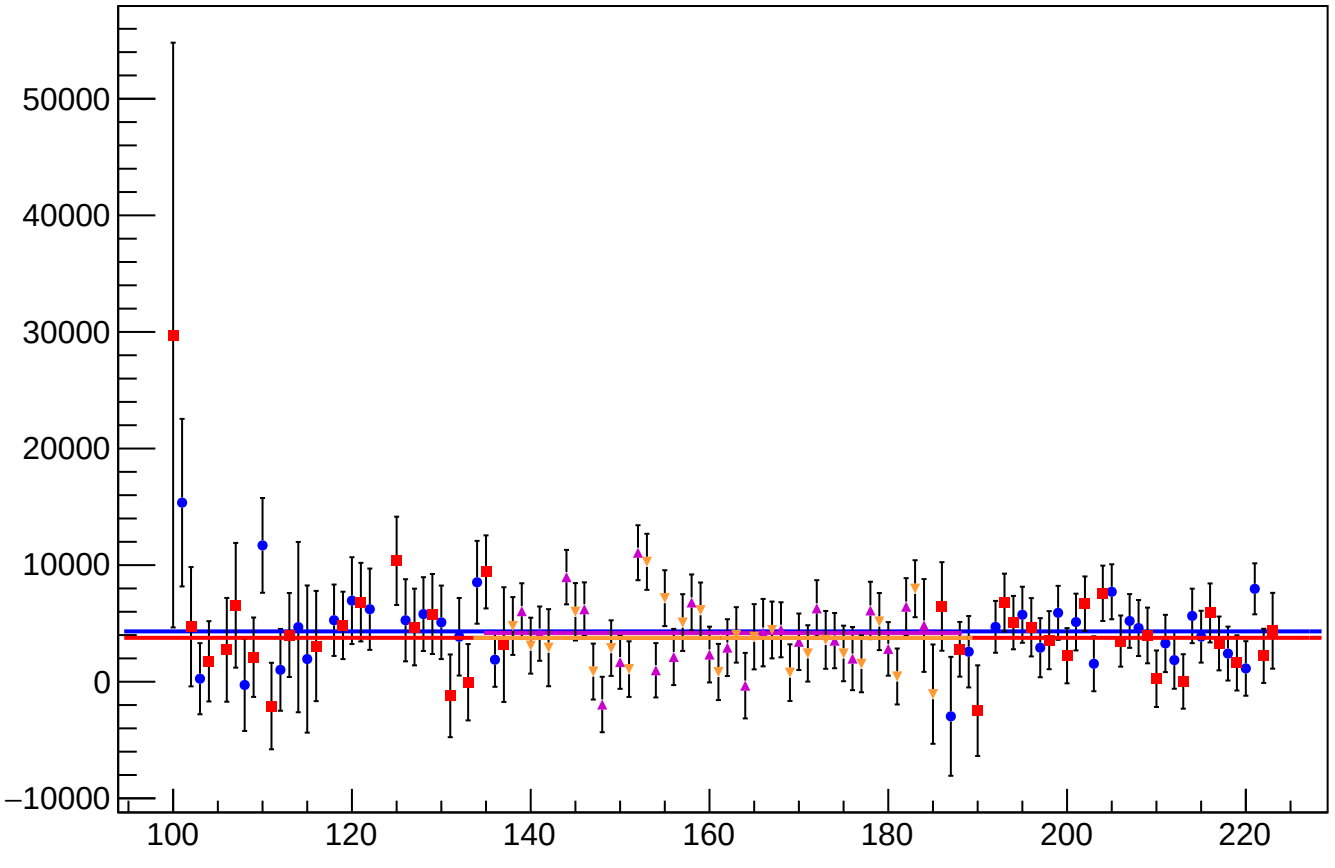
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 944.824+/-0.134 χ^2/NDF: 36795791.4/70

In: 1267.437+/-0.171 χ^2/NDF:23643230.1/56

Out: 1130.077+/-0.159 χ^2/NDF:30390656.5/60

All: 1194.052+/-0.117 χ^2/NDF: 54379554.1/1



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

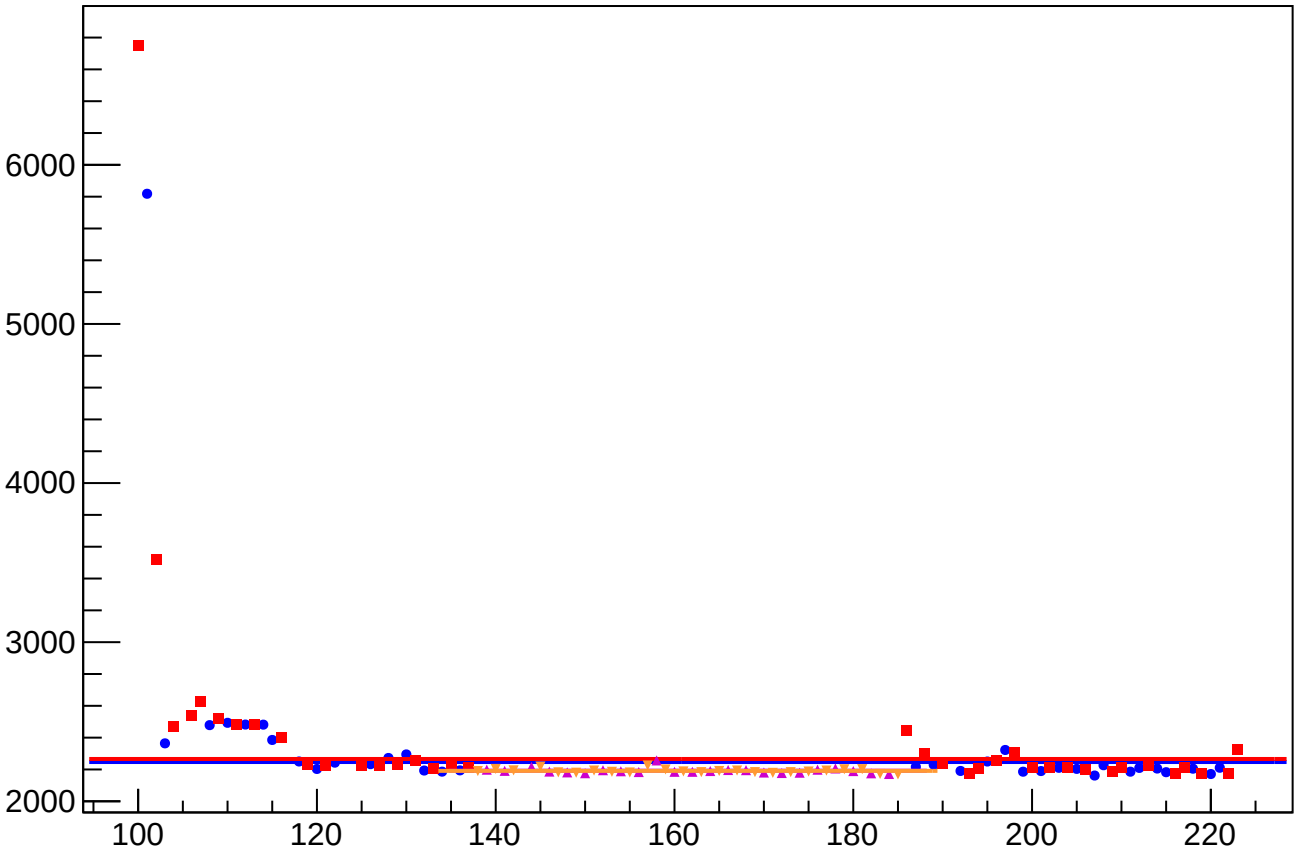
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4041.033+/-339.969 χ^2/NDF: 60.4/70

In: 4255.142+/-350.519 χ^2/NDF:60.4/56

Out: 3759.715+/-349.299 χ^2/NDF:57.7/60

All: 4006.565+/-247.422 χ^2/NDF: 119.1/117



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

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

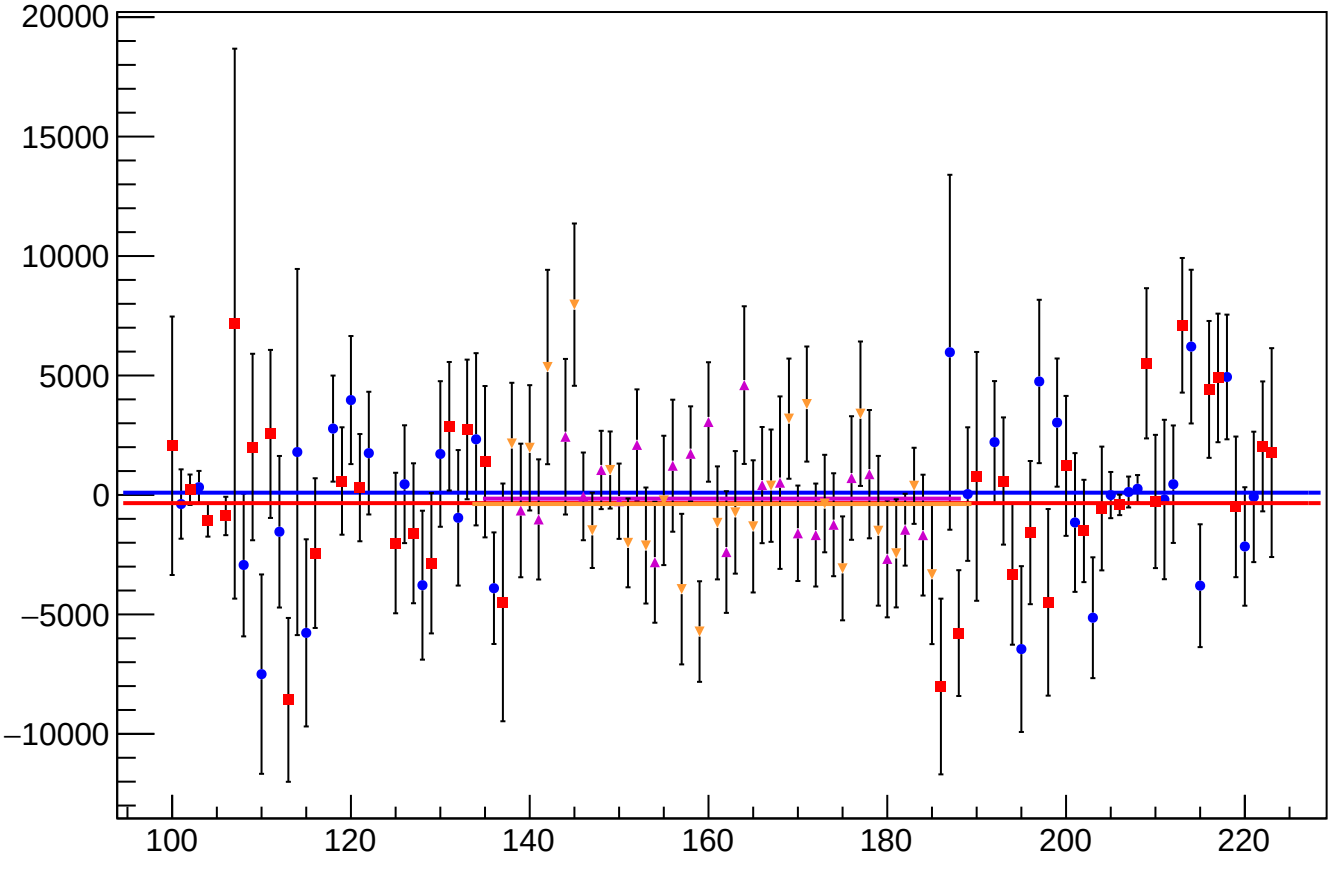
Right: 2256.344+/-0.240 χ^2/NDF: 810929.0/70

In: 2221.172+/-0.248 χ^2/NDF:557649.1/56

Out: 2230.646+/-0.247 χ^2/NDF:290103.9/60

All: 2225.925+/-0.175 χ^2/NDF: 848486.2/117

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

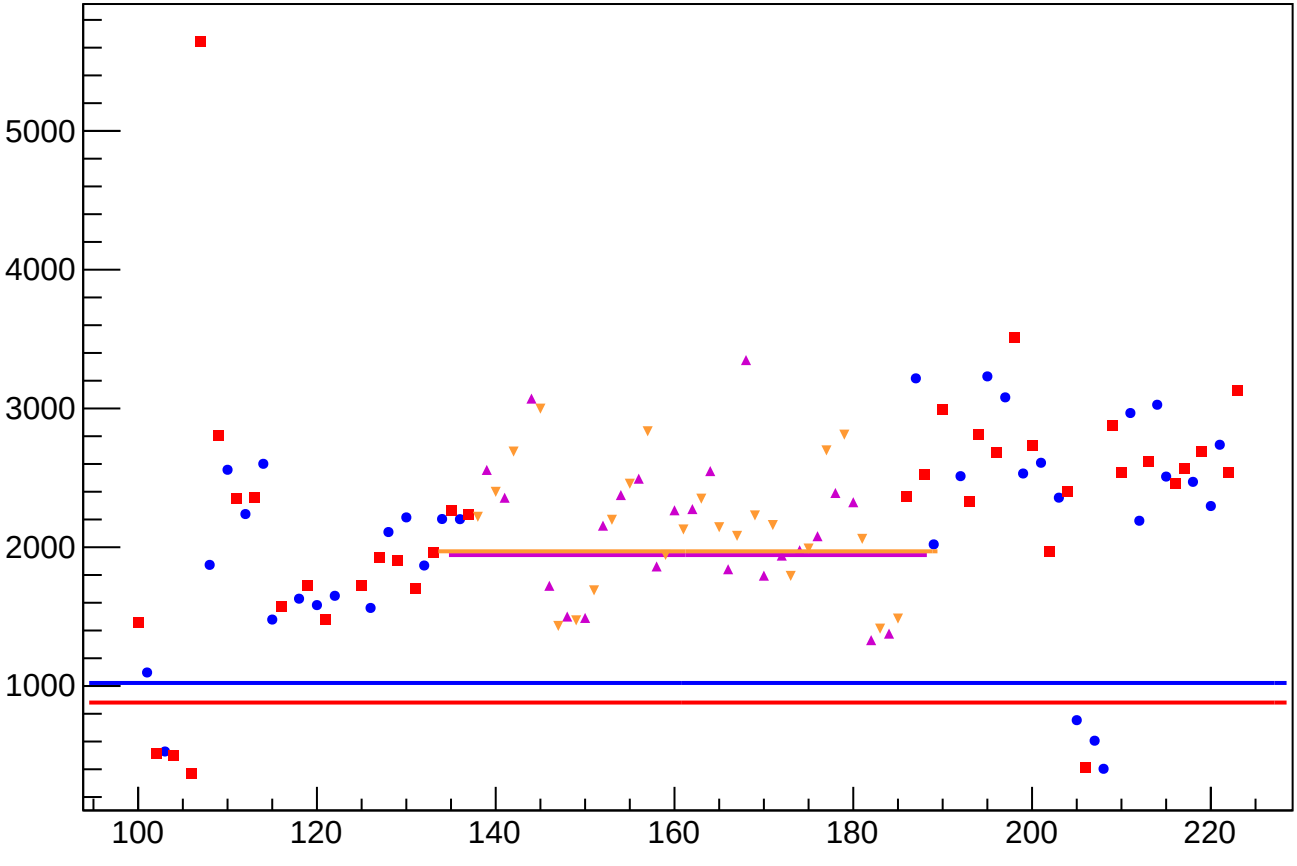
Right: -143.910+/-189.834 χ^2/NDF: 85.3/70

In: 28.677+/-241.501 χ^2/NDF:52.1/56

Out: -350.942+/-225.489 χ^2/NDF:75.7/60

All: -174.134+/-164.815 χ^2/NDF: 129.1/117

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

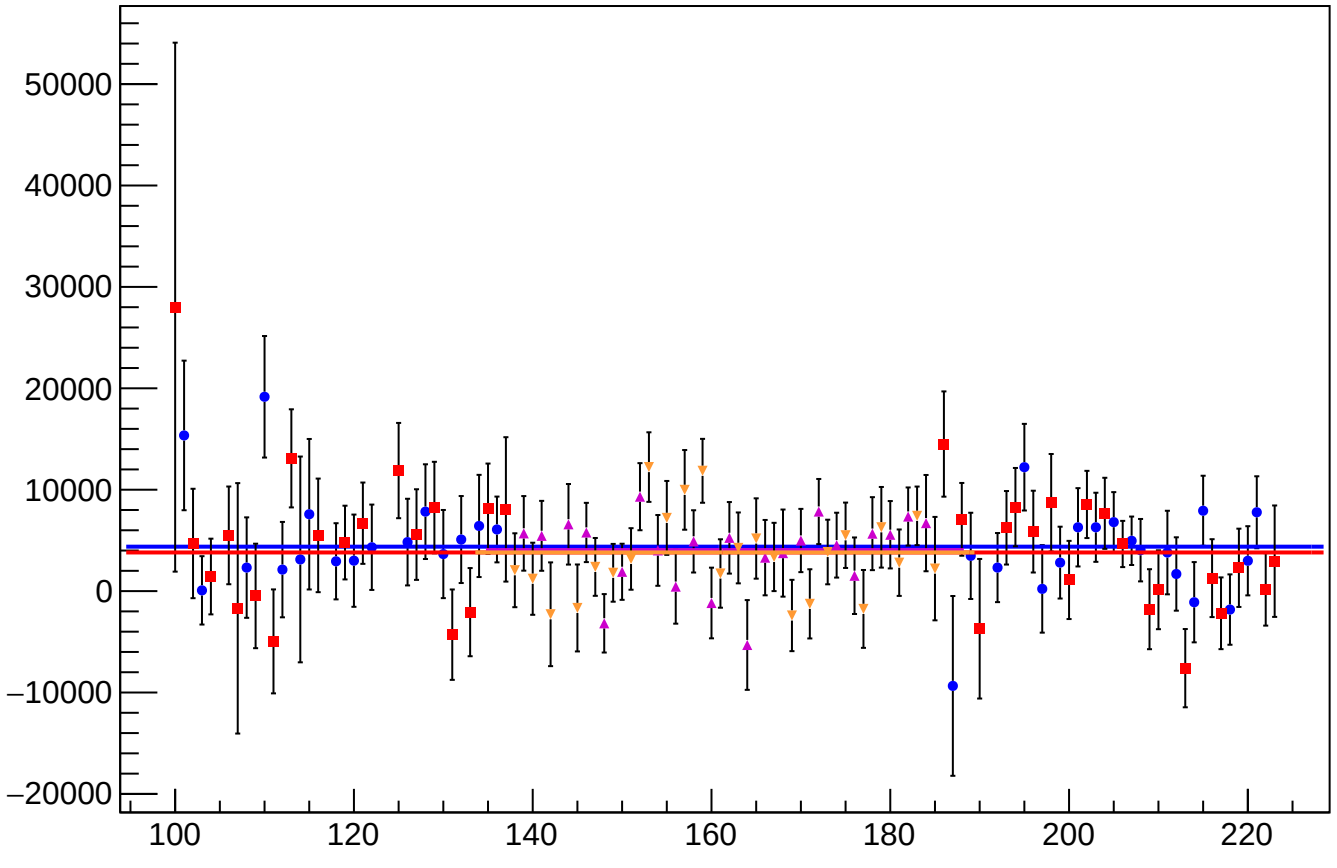
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 944.827+/-0.134 χ^2/NDF: 36795708.0/70

In: 1267.438+/-0.171 χ^2/NDF:23643284.7/56

Out: 1130.083+/-0.159 χ^2/NDF:30390505.4/60

All: 1194.056+/-0.117 χ^2/NDF: 54379429.8/1



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

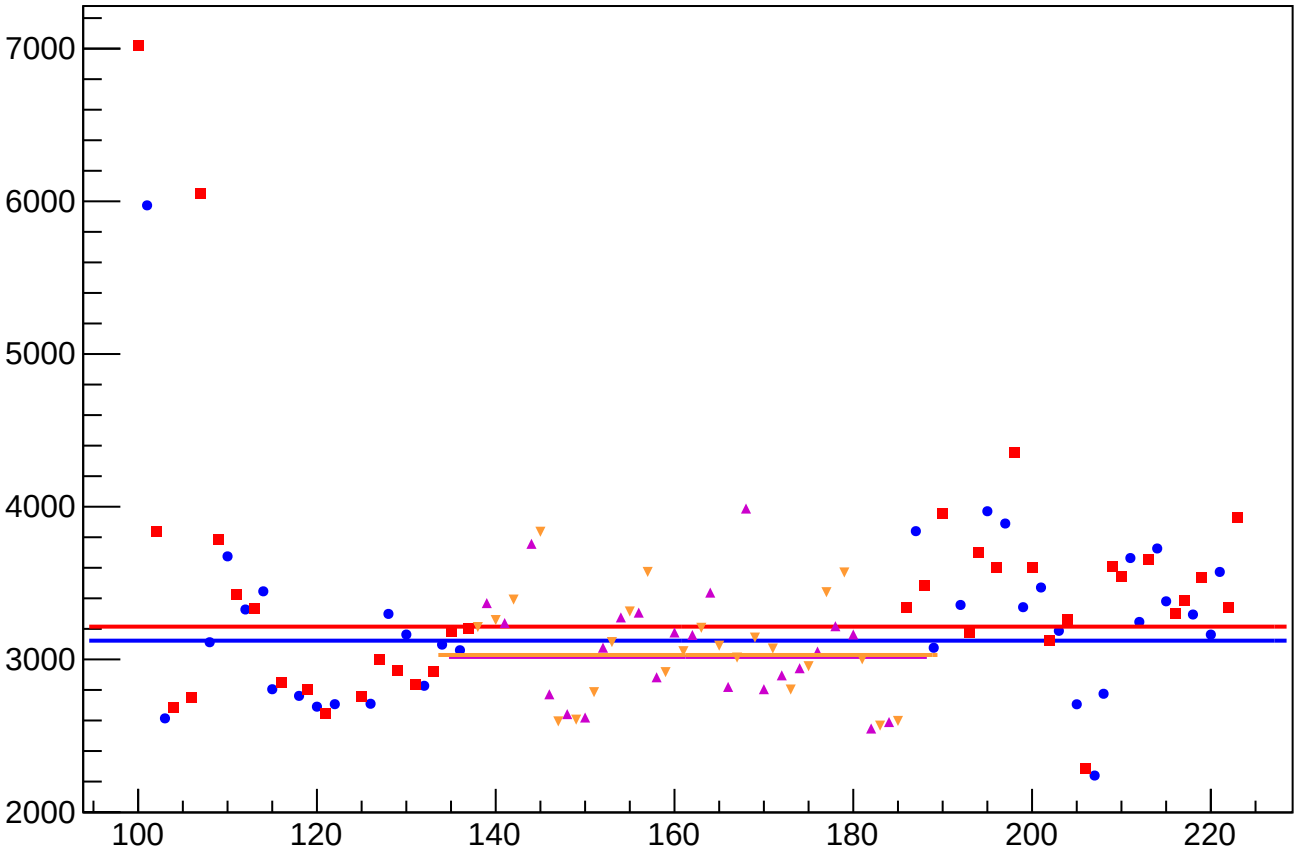
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4102.678+/-482.740 χ^2/NDF: 78.1/70

In: 4221.005+/-489.452 χ^2/NDF:50.9/56

Out: 3814.279+/-494.093 χ^2/NDF:80.4/60

All: 4019.561+/-347.724 χ^2/NDF: 131.6/117



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

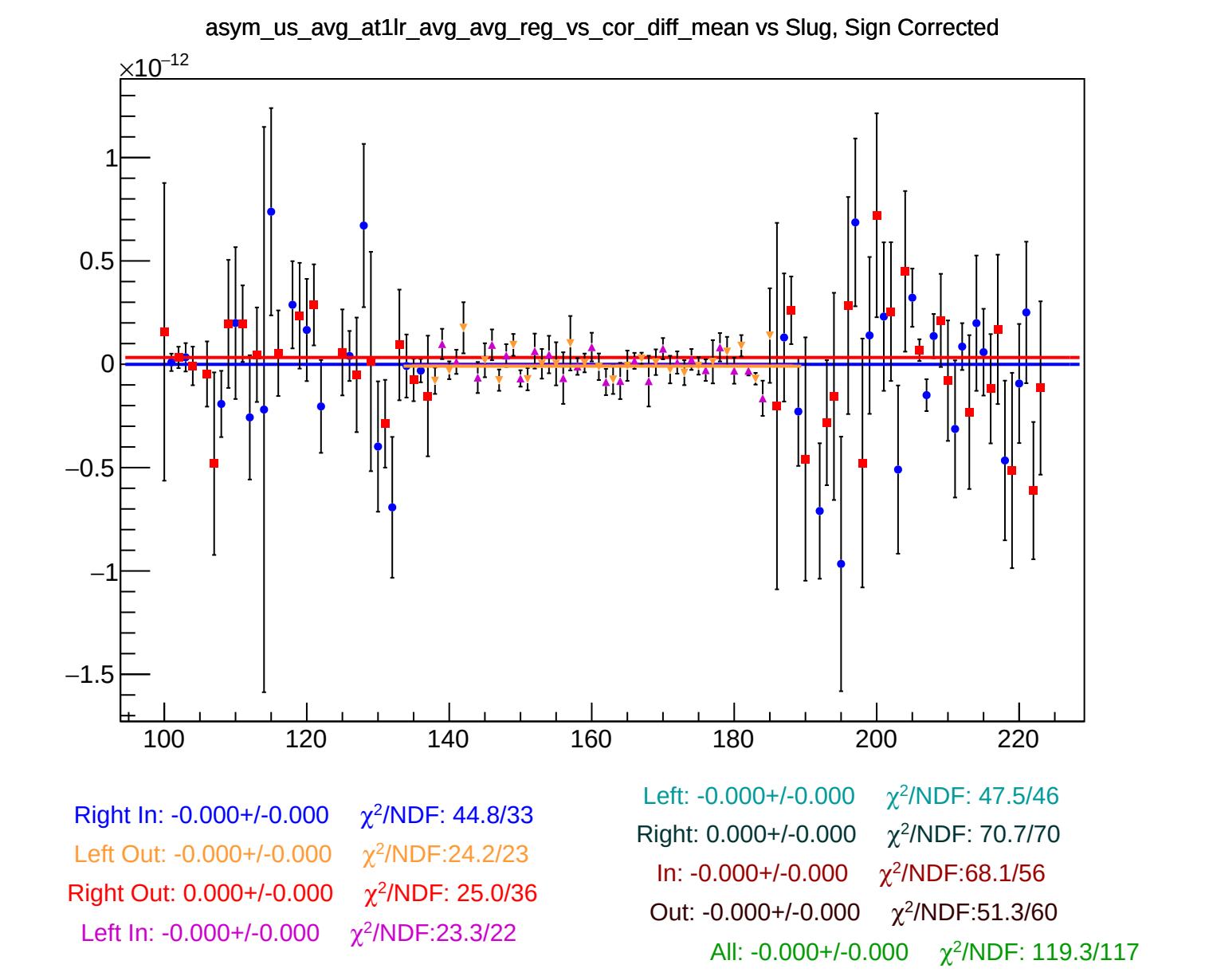
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3167.793+/-0.341 χ^2/NDF: 2196959.4/70

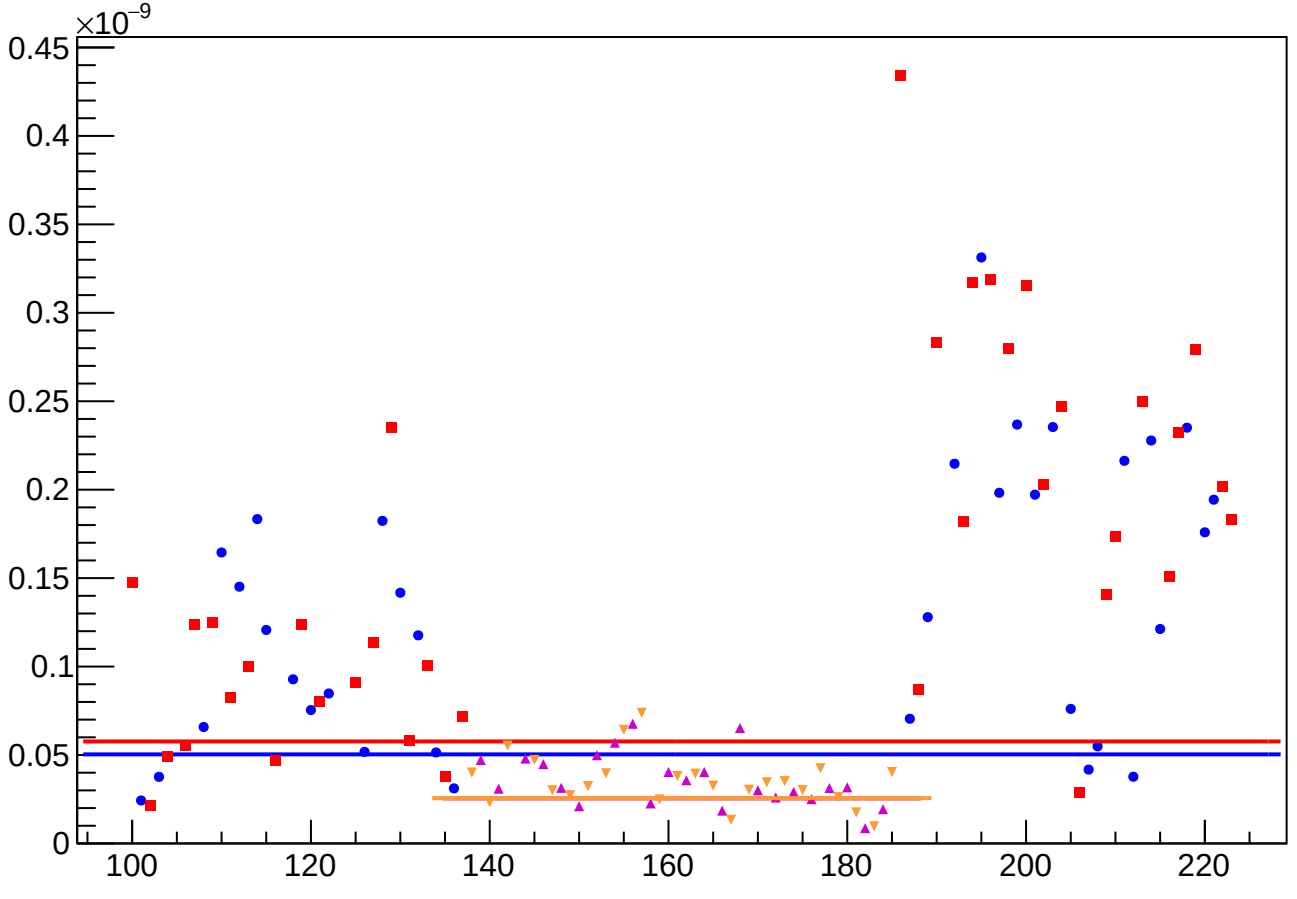
In: 3072.083+/-0.346 χ^2/NDF:1582273.4/56

Out: 3124.305+/-0.349 χ^2/NDF:1527757.5/60

All: 3097.948+/-0.246 χ^2/NDF: 3121307.5/11


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 44.8/33
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.0/36
Left In: -0.000+/-0.000 χ²/NDF:23.3/22
Left: -0.000+/-0.000 χ²/NDF: 47.5/46
Right: 0.000+/-0.000 χ²/NDF: 70.7/70
In: -0.000+/-0.000 χ²/NDF:68.1/56
Out: -0.000+/-0.000 χ²/NDF:51.3/60
All: -0.000+/-0.000 χ²/NDF: 119.3/117

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

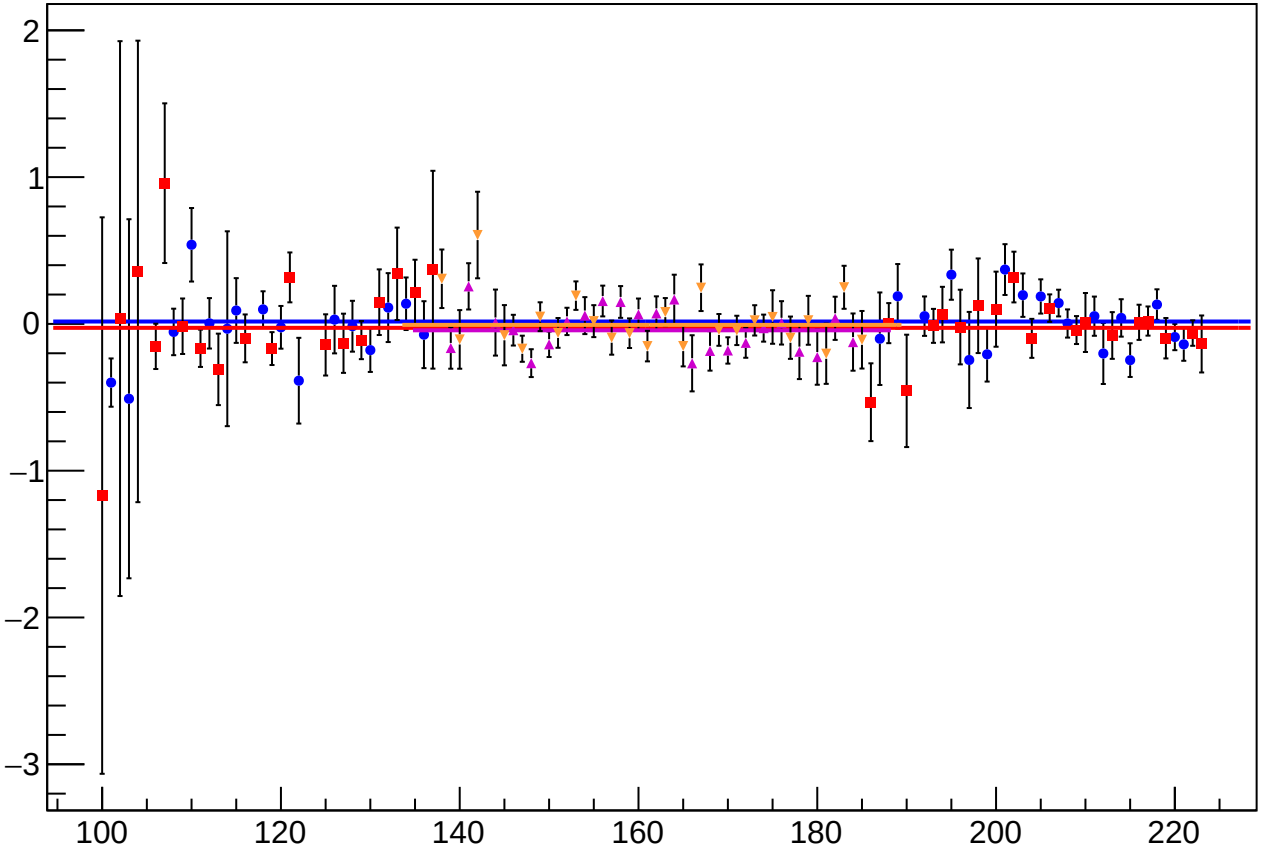
Right: 0.000+/-0.000 χ^2/NDF: 16572169.2/70

In: 0.000+/-0.000 χ^2/NDF:12059255.4/56

Out: 0.000+/-0.000 χ^2/NDF:13940304.5/60

All: 0.000+/-0.000 χ^2/NDF: 25999681.8/117

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

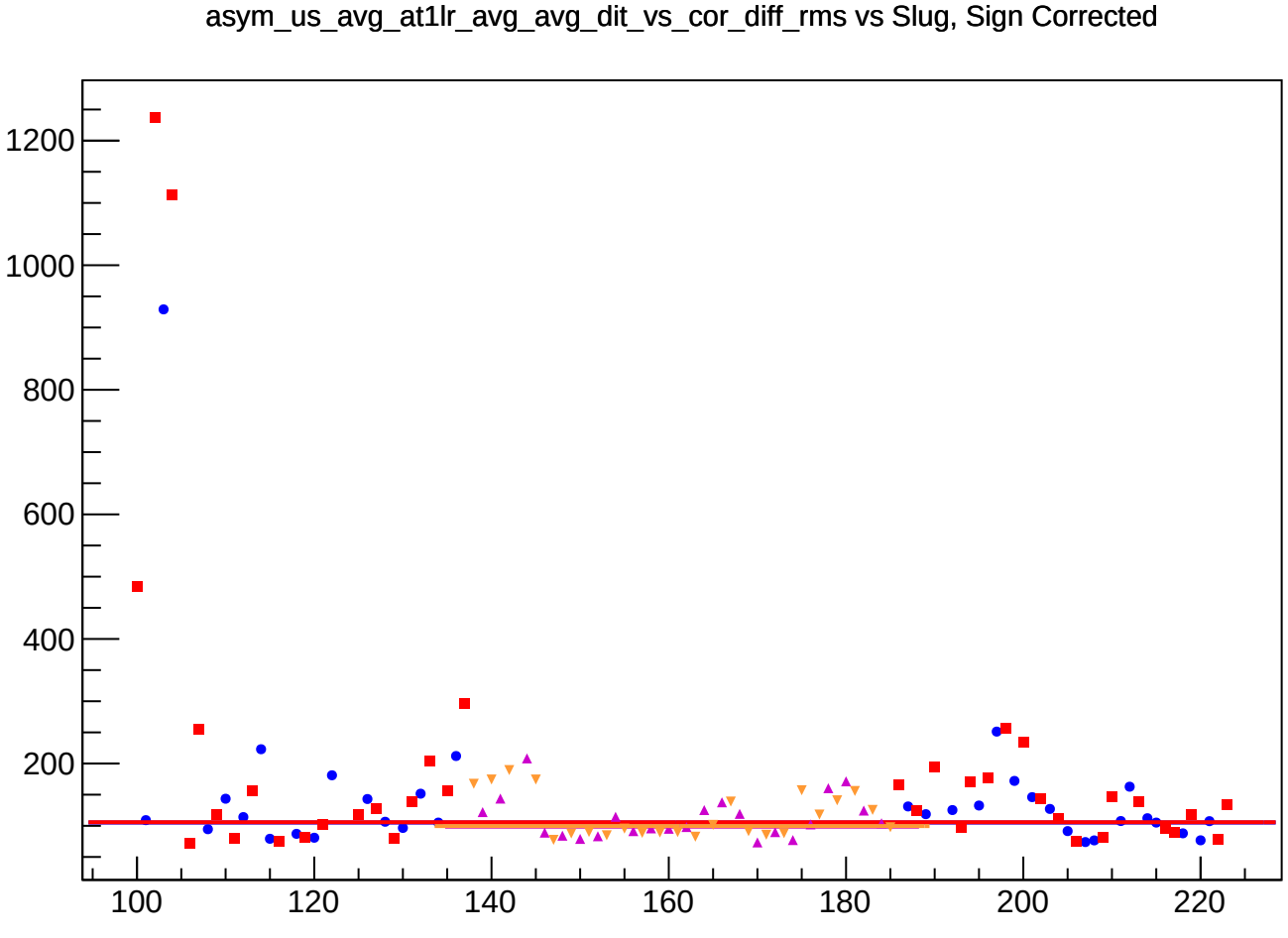
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.005+/-0.018 χ^2/NDF: 75.3/70

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.016+/-0.018 χ^2/NDF:58.6/60

All: -0.015+/-0.013 χ^2/NDF: 135.0/117



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

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

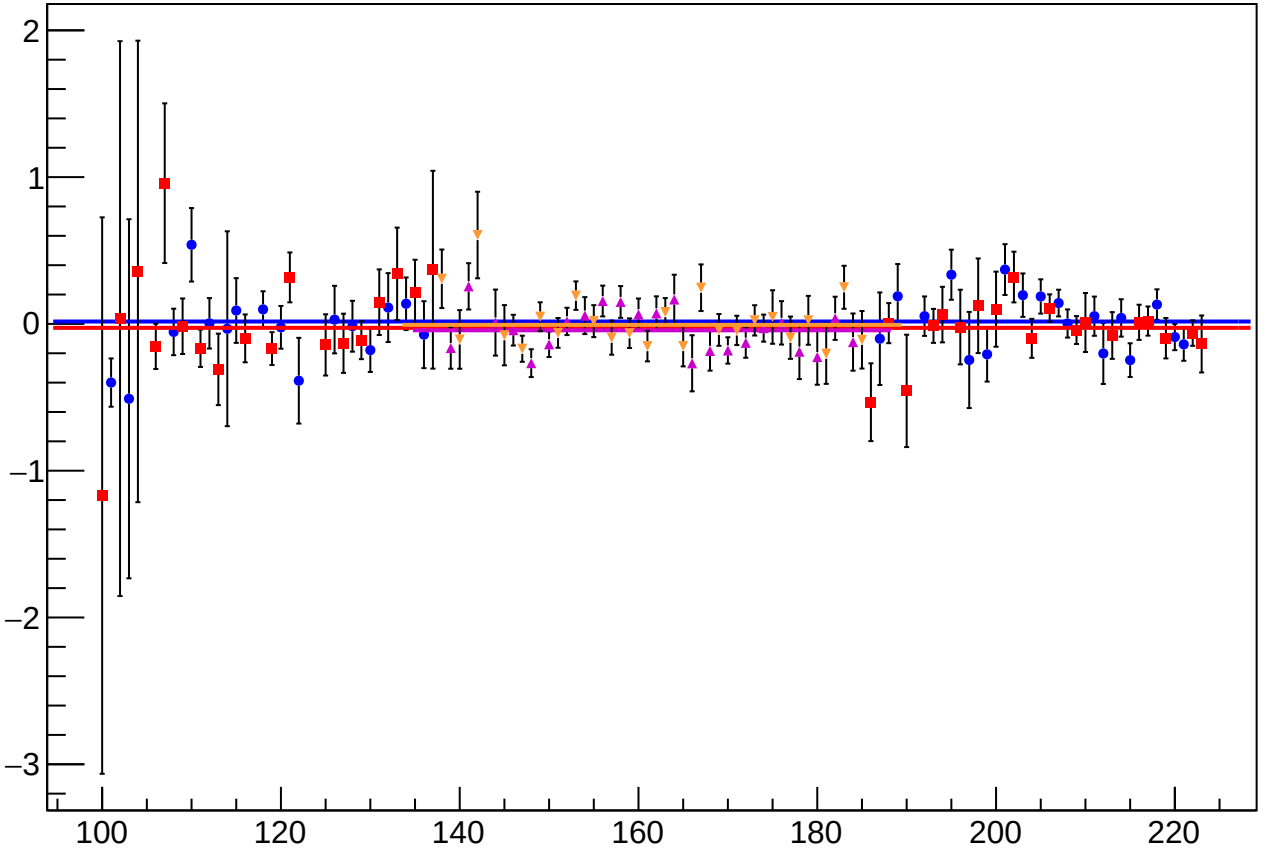
Right: 105.502+/-0.013 χ^2/NDF: 9015764.0/70

In: 101.850+/-0.013 χ^2/NDF:5733466.6/56

Out: 102.565+/-0.013 χ^2/NDF:7480167.8/60

All: 102.202+/-0.009 χ^2/NDF: 13215189.3/1

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

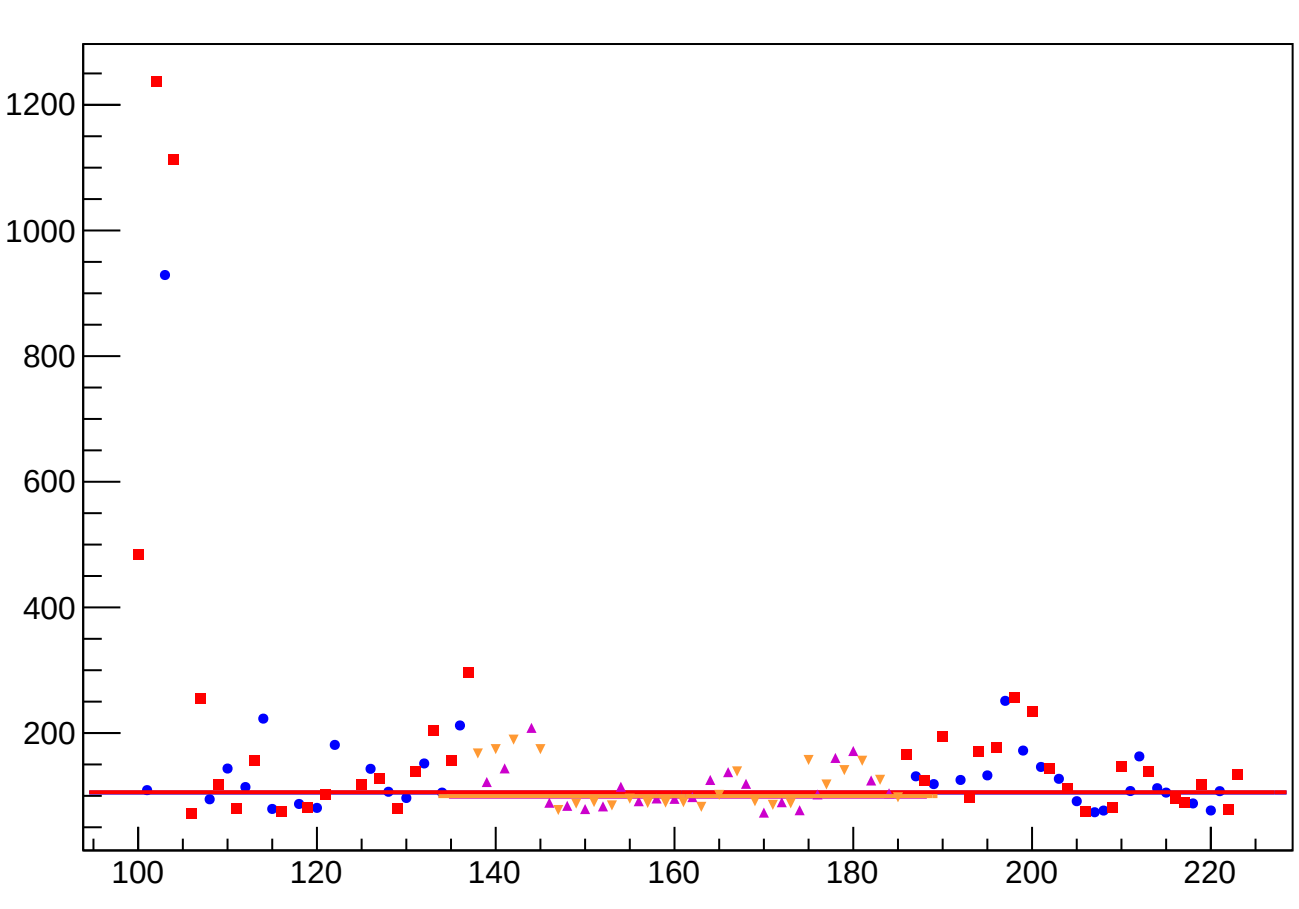
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.005+/-0.018 χ^2/NDF: 75.3/70

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.016+/-0.018 χ^2/NDF:58.6/60

All: -0.015+/-0.013 χ^2/NDF: 135.0/117



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

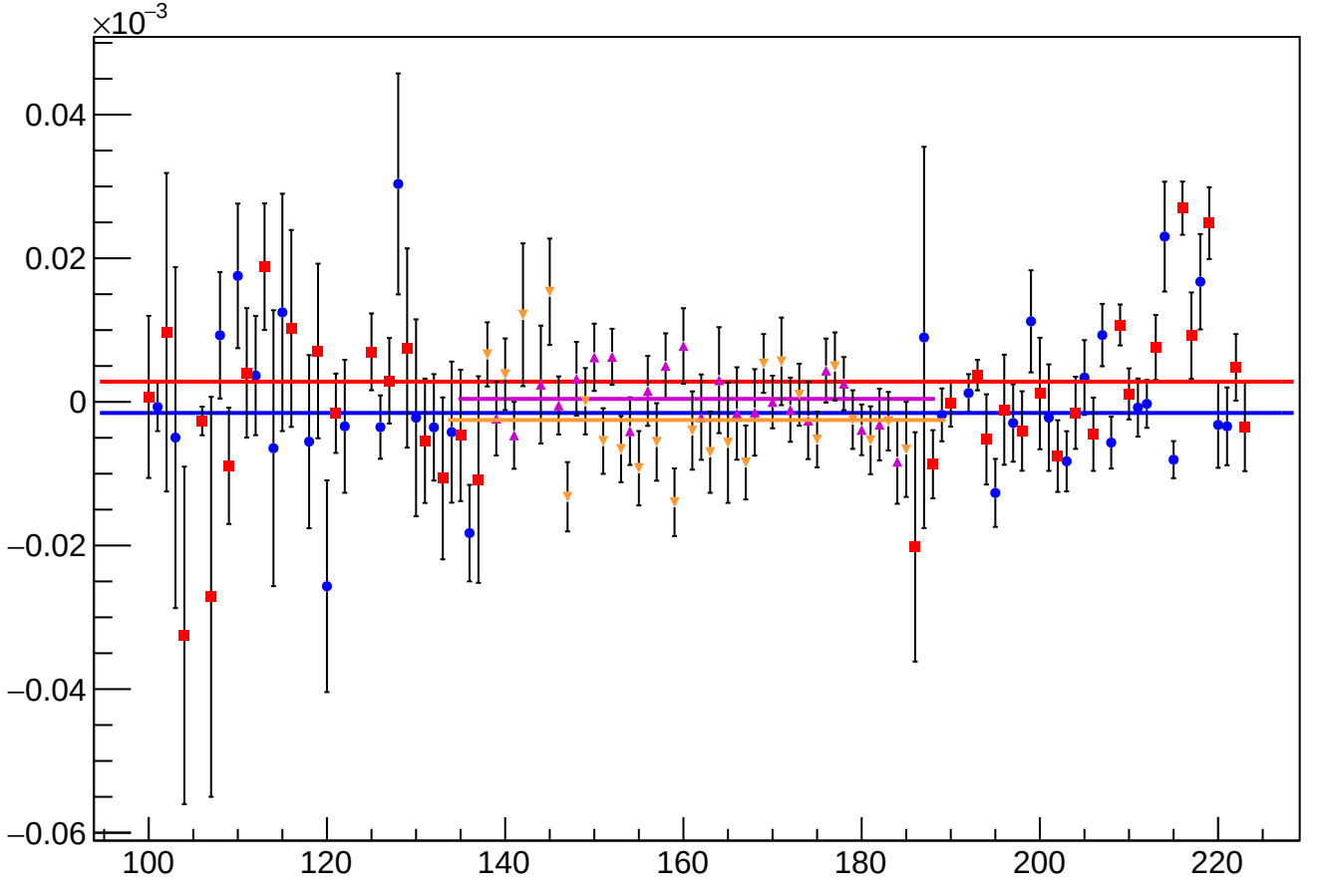
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 105.502+/-0.013 χ^2/NDF: 9015764.0/70

In: 101.850+/-0.013 χ^2/NDF:5733466.6/56

Out: 102.565+/-0.013 χ^2/NDF:7480167.8/60

All: 102.202+/-0.009 χ^2/NDF: 13215189.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 65.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 115.2/36

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

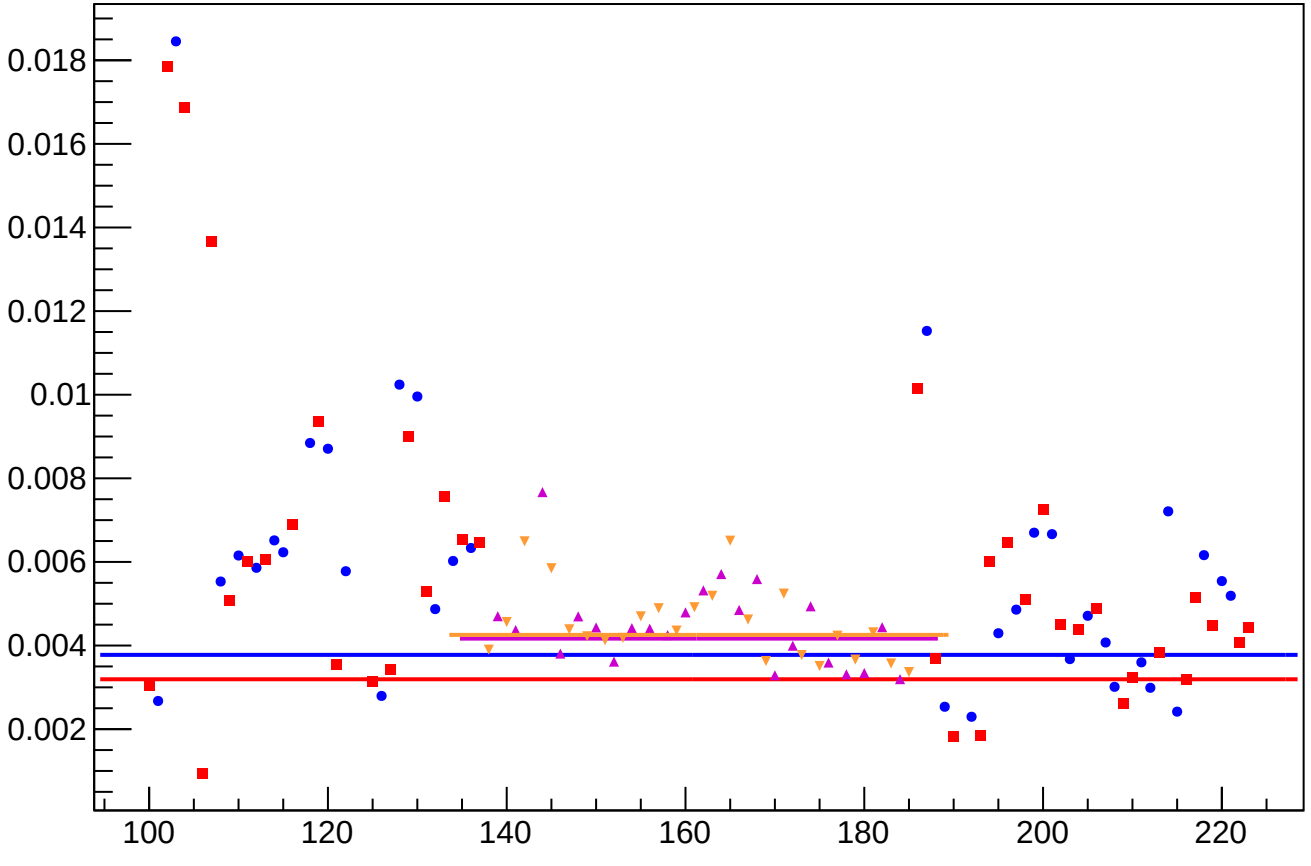
Right: 0.000+/-0.000 χ^2/NDF: 193.8/70

In: -0.000+/-0.000 χ^2/NDF:83.8/56

Out: 0.000+/-0.000 χ^2/NDF:172.2/60

All: 0.000+/-0.000 χ^2/NDF: 258.2/117

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

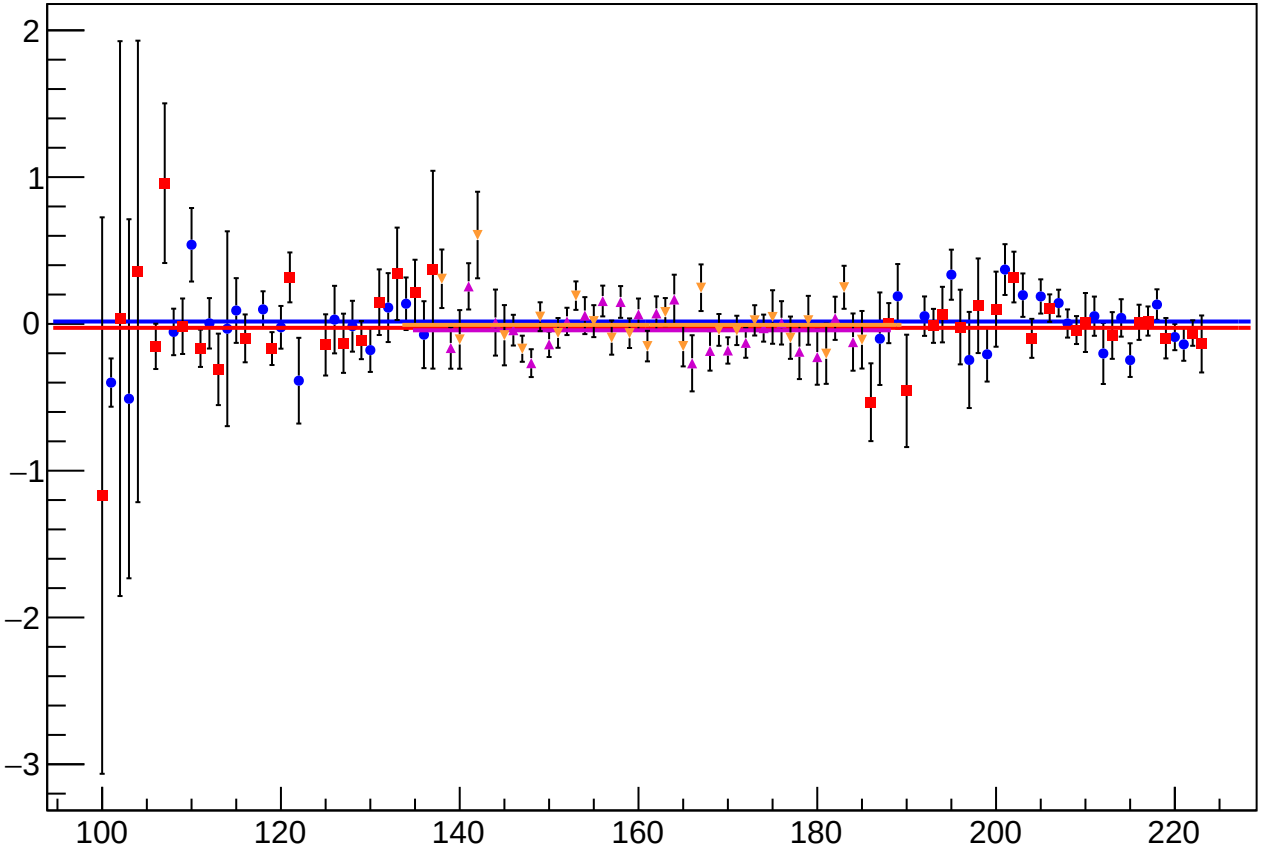
Right: 0.003+/-0.000 χ^2/NDF: 18329494.3/70

In: 0.004+/-0.000 χ^2/NDF:8371401.1/56

Out: 0.004+/-0.000 χ^2/NDF:13109832.0/60

All: 0.004+/-0.000 χ^2/NDF: 21753710.2/117

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

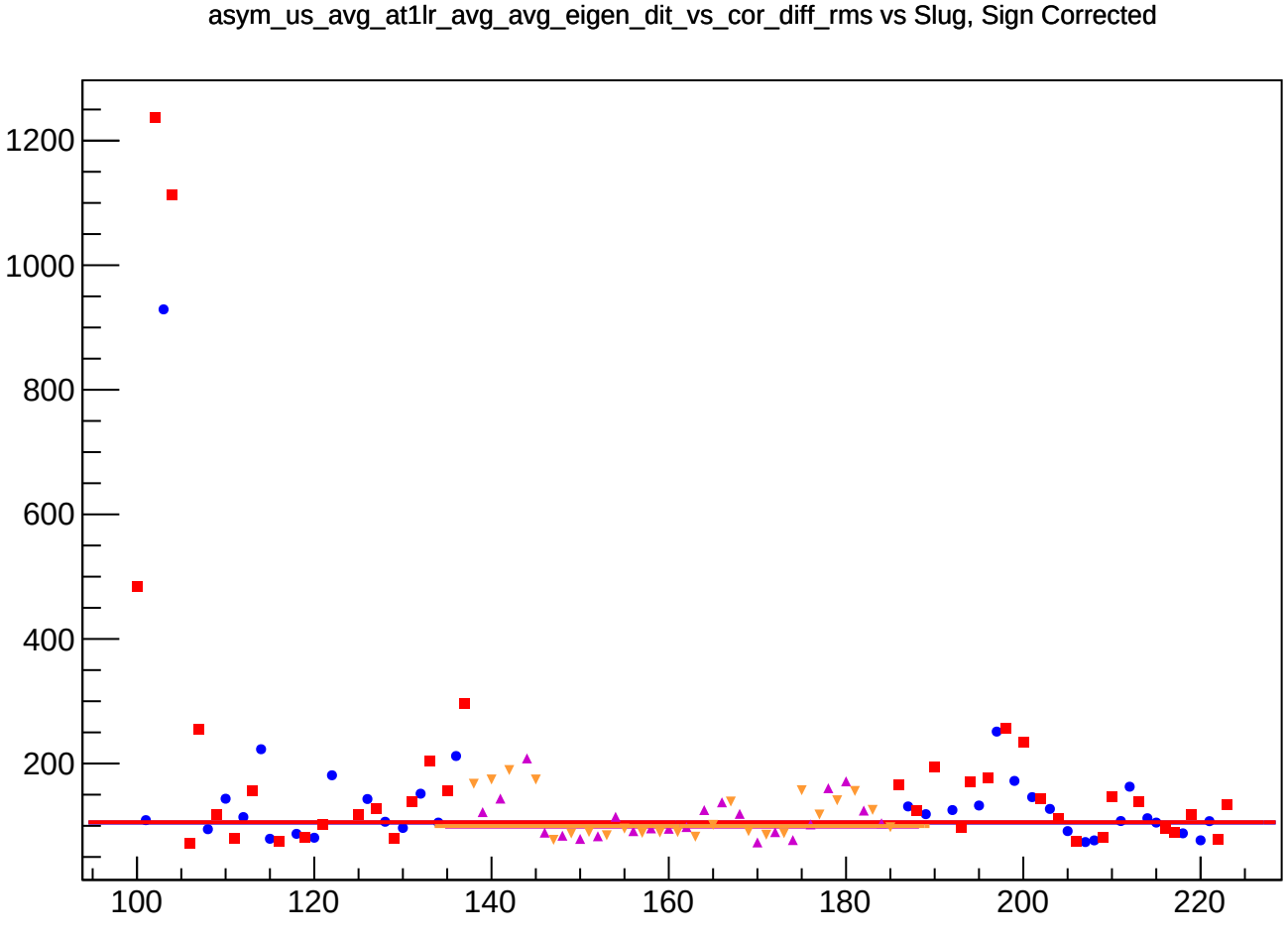
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.005+/-0.018 χ^2/NDF: 75.3/70

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.016+/-0.018 χ^2/NDF:58.6/60

All: -0.015+/-0.013 χ^2/NDF: 135.0/117



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

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

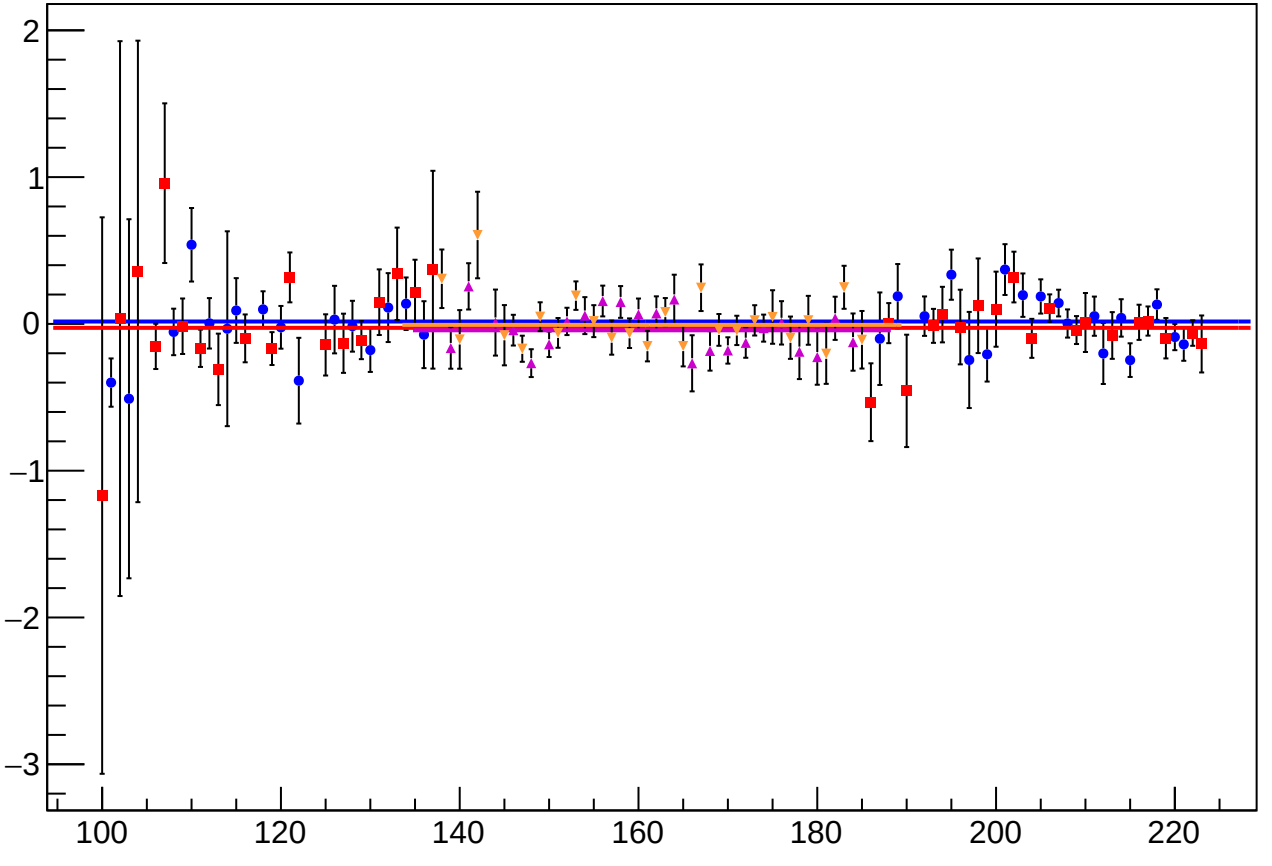
Right: 105.502+/-0.013 χ^2/NDF: 9015669.4/70

In: 101.850+/-0.013 χ^2/NDF:5733353.5/56

Out: 102.565+/-0.013 χ^2/NDF:7480092.5/60

All: 102.203+/-0.009 χ^2/NDF: 13215001.1/11

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

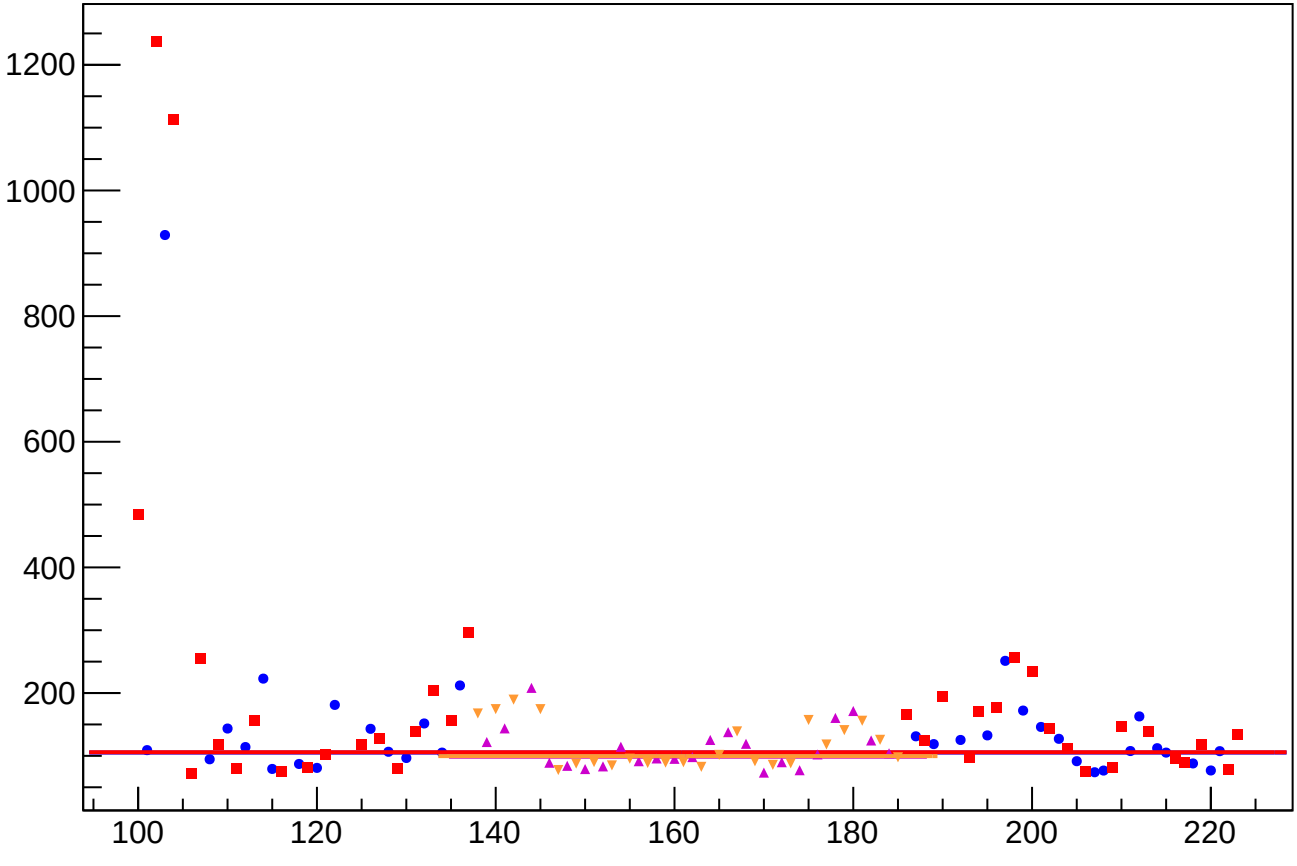
Right: -0.005+/-0.018 χ^2/NDF: 75.3/70

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.016+/-0.018 χ^2/NDF:58.6/60

All: -0.015+/-0.013 χ^2/NDF: 135.0/117

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

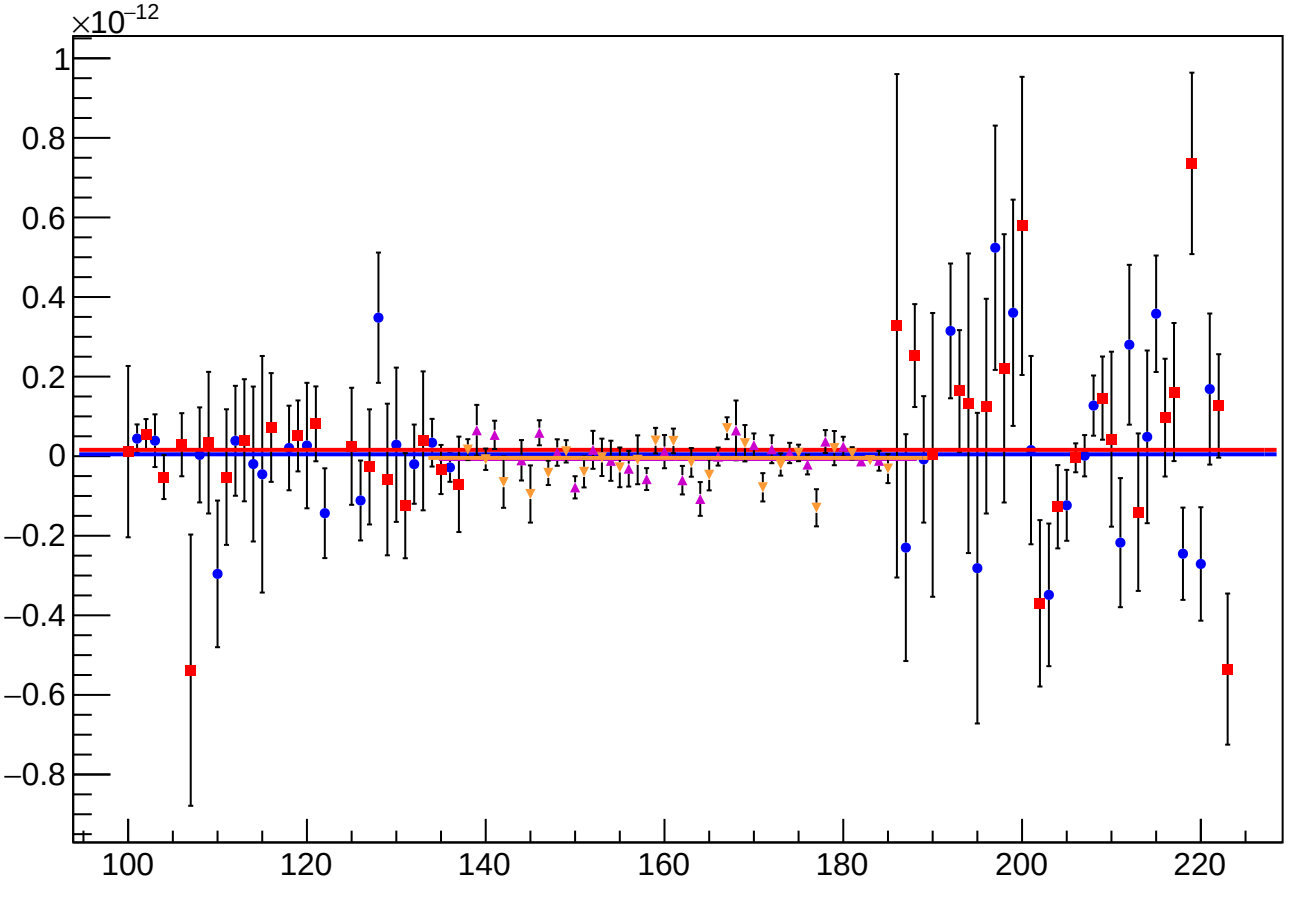
Right: 105.502+/-0.013 χ^2/NDF: 9015669.4/70

In: 101.850+/-0.013 χ^2/NDF:5733353.5/56

Out: 102.565+/-0.013 χ^2/NDF:7480092.5/60

All: 102.203+/-0.009 χ^2/NDF: 13215001.1/11

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 44.1/36

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

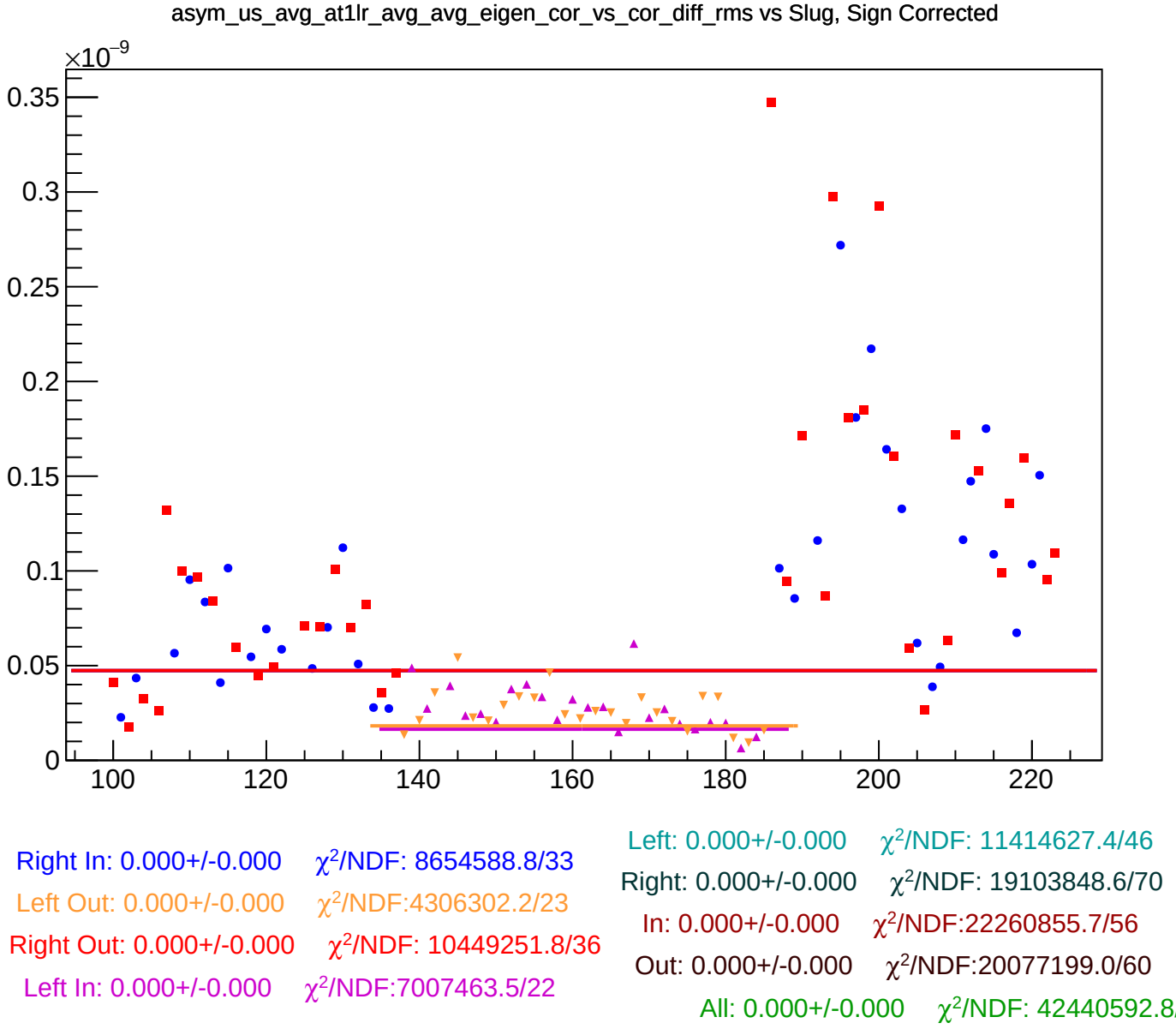
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

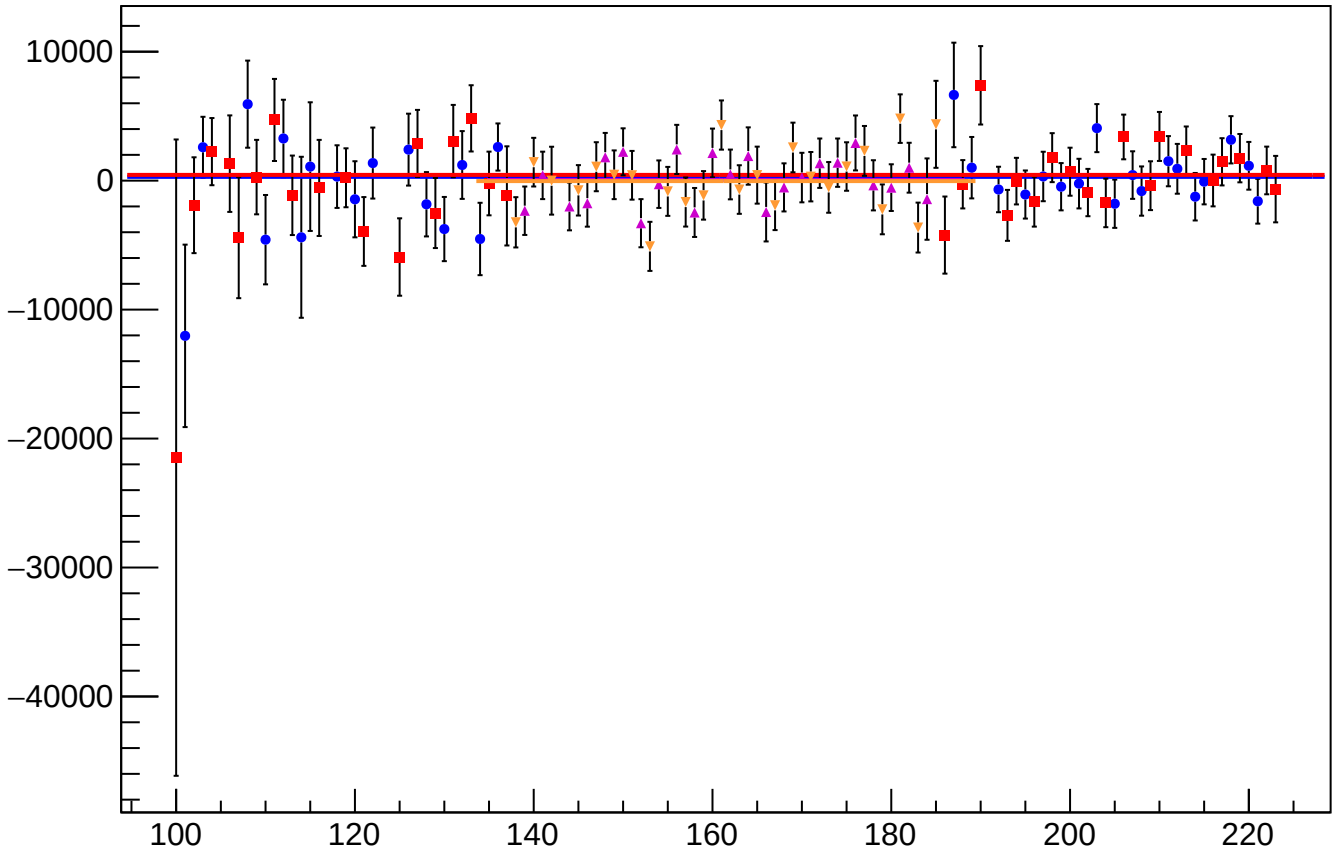
Right: 0.000+/-0.000 χ^2/NDF: 93.5/70

In: -0.000+/-0.000 χ^2/NDF:84.9/56

Out: -0.000+/-0.000 χ^2/NDF:78.3/60

All: -0.000+/-0.000 χ^2/NDF: 163.5/117


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 8654588.8/33
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 10449251.8/36
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
Left: 0.000+/-0.000 χ²/NDF: 11414627.4/46
Right: 0.000+/-0.000 χ²/NDF: 19103848.6/70
In: 0.000+/-0.000 χ²/NDF:22260855.7/56
Out: 0.000+/-0.000 χ²/NDF:20077199.0/60
All: 0.000+/-0.000 χ²/NDF: 42440592.8/117



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

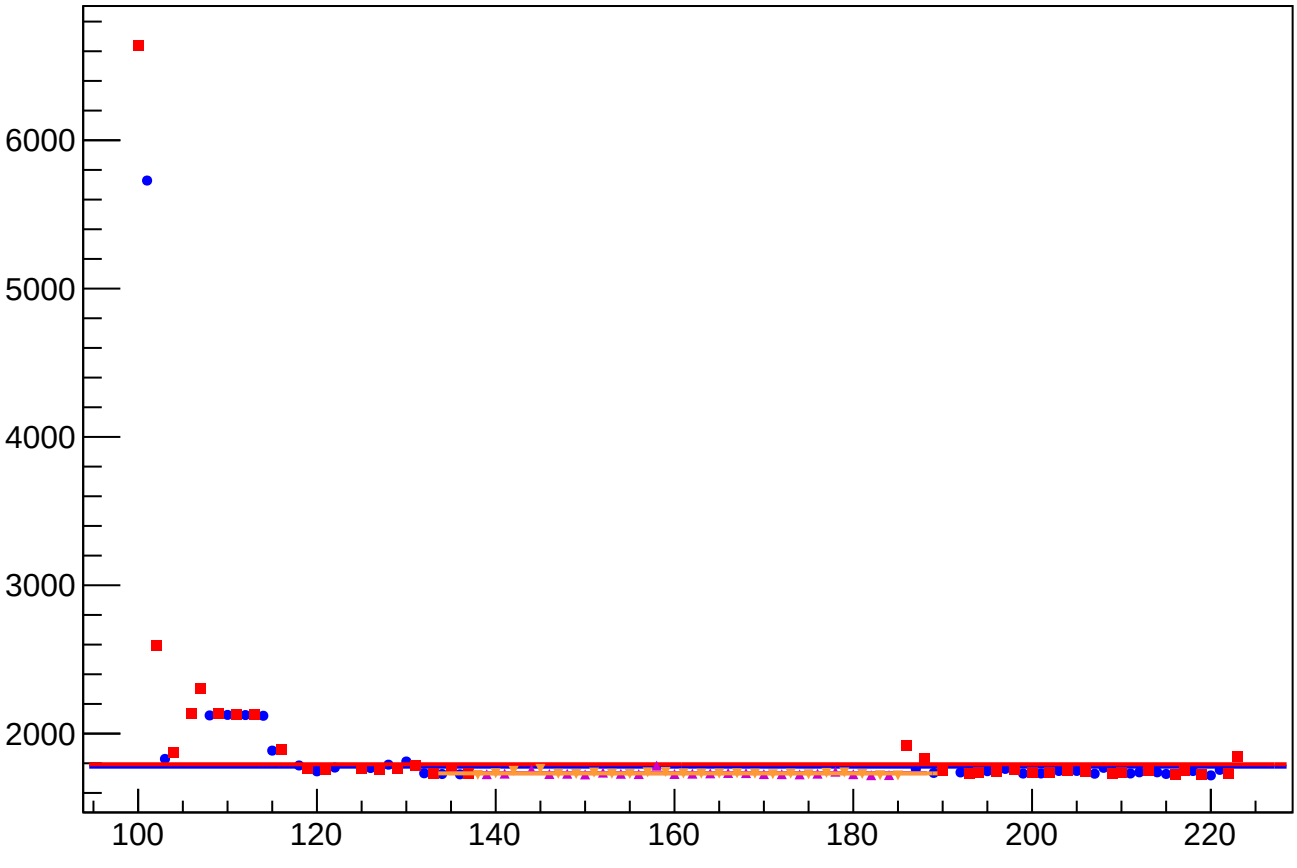
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 370.130+/-269.237 χ^2/NDF: 73.8/70

In: 180.461+/-277.465 χ^2/NDF:53.4/56

Out: 218.998+/-276.284 χ^2/NDF:76.0/60

All: 199.812+/-195.778 χ^2/NDF: 129.5/117



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

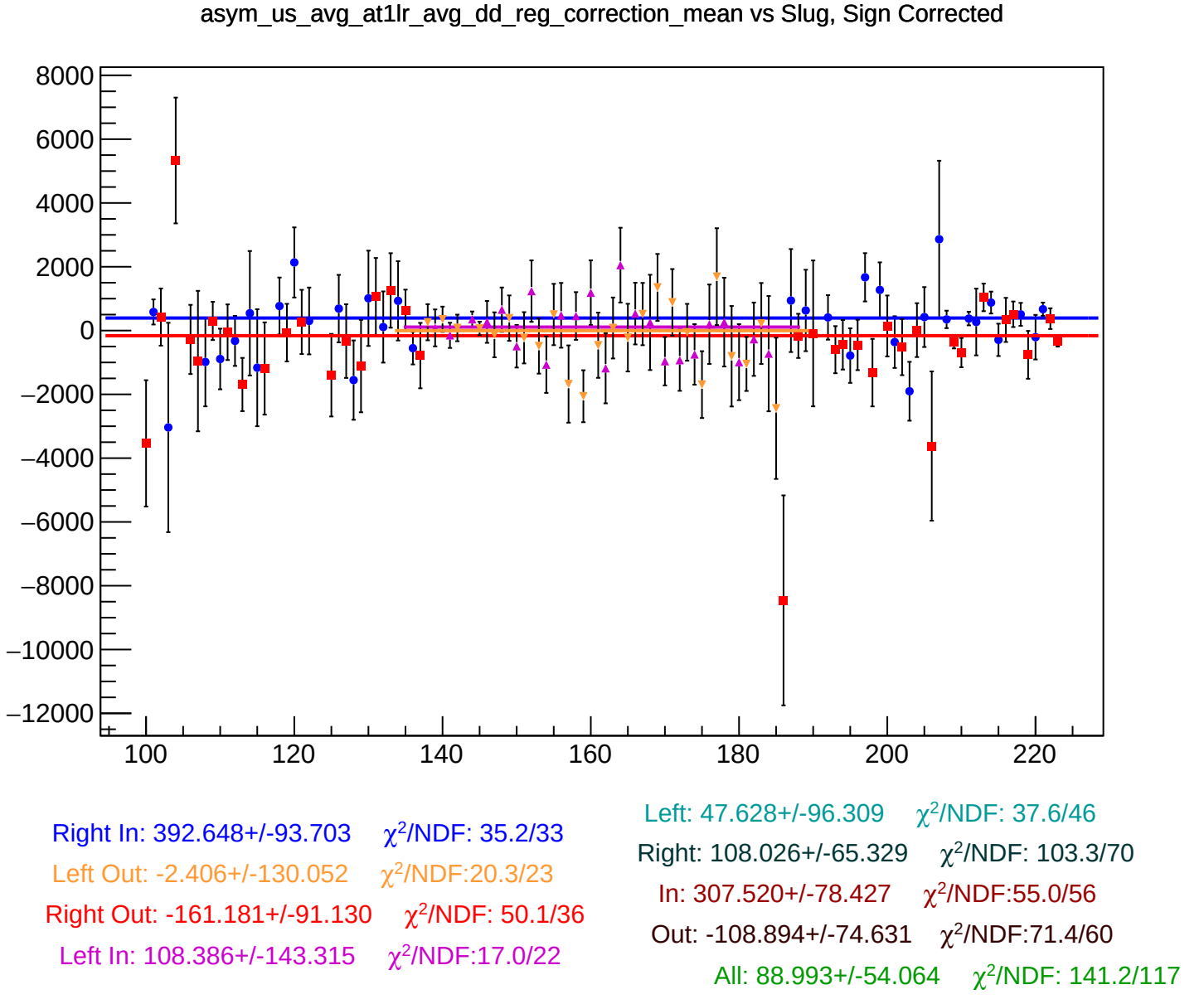
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1785.261+/-0.190 χ^2/NDF: 1042795.6/70

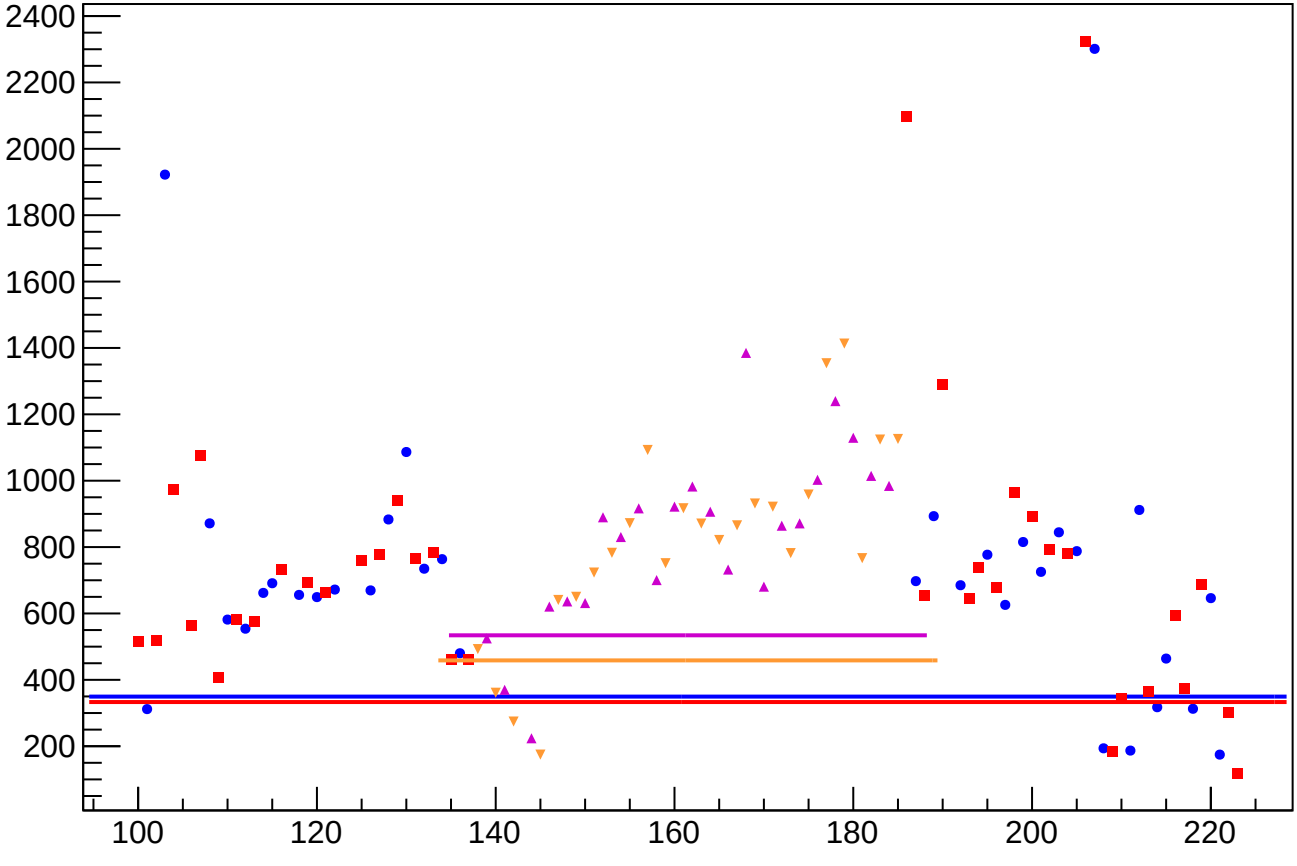
In: 1756.514+/-0.196 χ^2/NDF:732299.9/56

Out: 1764.386+/-0.195 χ^2/NDF:348859.9/60

All: 1760.467+/-0.138 χ^2/NDF: 1081968.0/11


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 392.648+/-93.703 χ²/NDF: 35.2/33
Left Out: -2.406+/-130.052 χ²/NDF:20.3/23
Right Out: -161.181+/-91.130 χ²/NDF: 50.1/36
Left In: 108.386+/-143.315 χ²/NDF:17.0/22
Left: 47.628+/-96.309 χ²/NDF: 37.6/46
Right: 108.026+/-65.329 χ²/NDF: 103.3/70
In: 307.520+/-78.427 χ²/NDF:55.0/56
Out: -108.894+/-74.631 χ²/NDF:71.4/60
All: 88.993+/-54.064 χ²/NDF: 141.2/117

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



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

Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

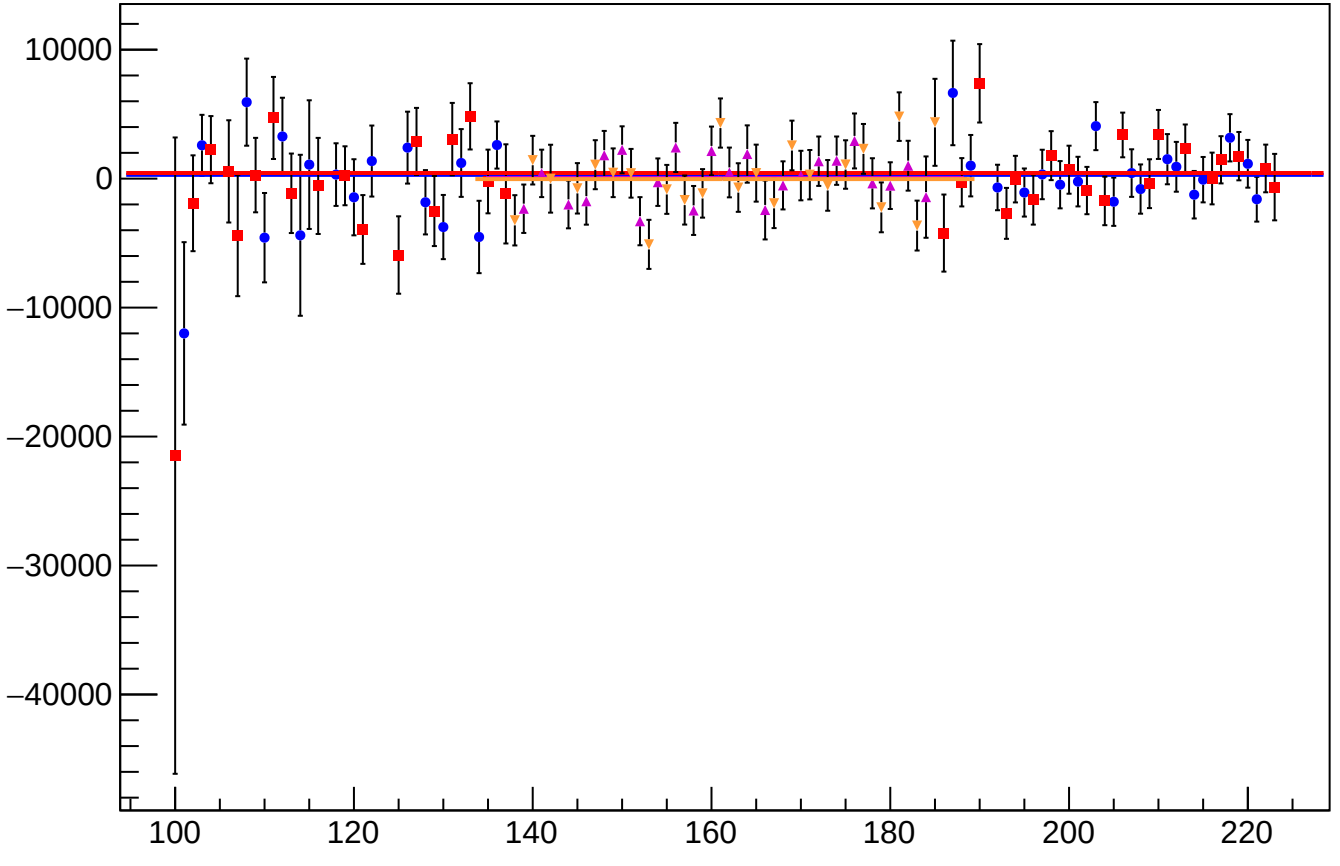
Right: 341.067+/-0.046 χ^2/NDF: 27719551.1/70

In: 404.801+/-0.055 χ^2/NDF:23386999.0/56

Out: 374.415+/-0.053 χ^2/NDF:27746025.4/60

All: 388.855+/-0.038 χ^2/NDF: 51290575.4/1

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



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

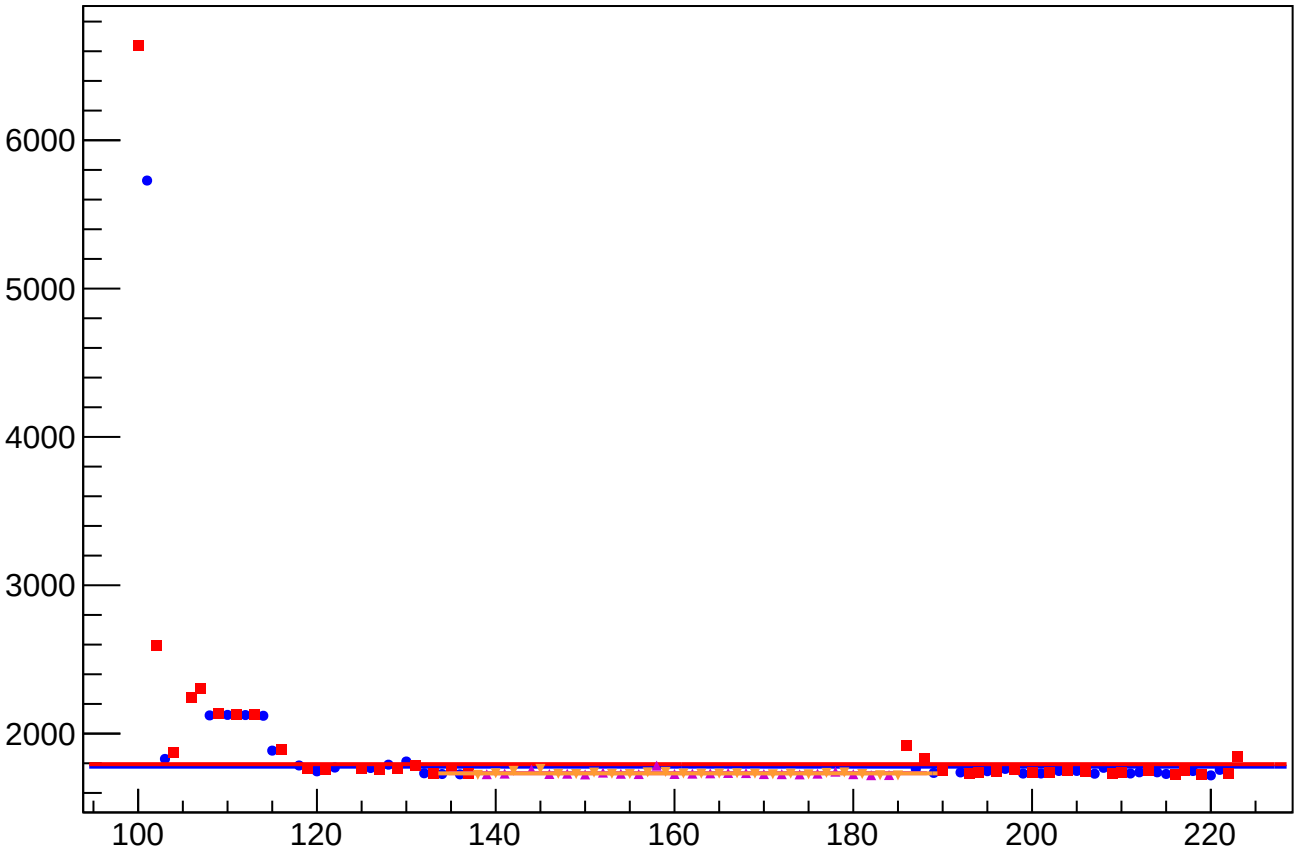
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 366.113+/-269.313 χ^2/NDF: 73.8/70

In: 180.456+/-277.465 χ^2/NDF:53.4/56

Out: 214.670+/-276.366 χ^2/NDF:75.9/60

All: 197.631+/-195.808 χ^2/NDF: 129.4/117



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

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

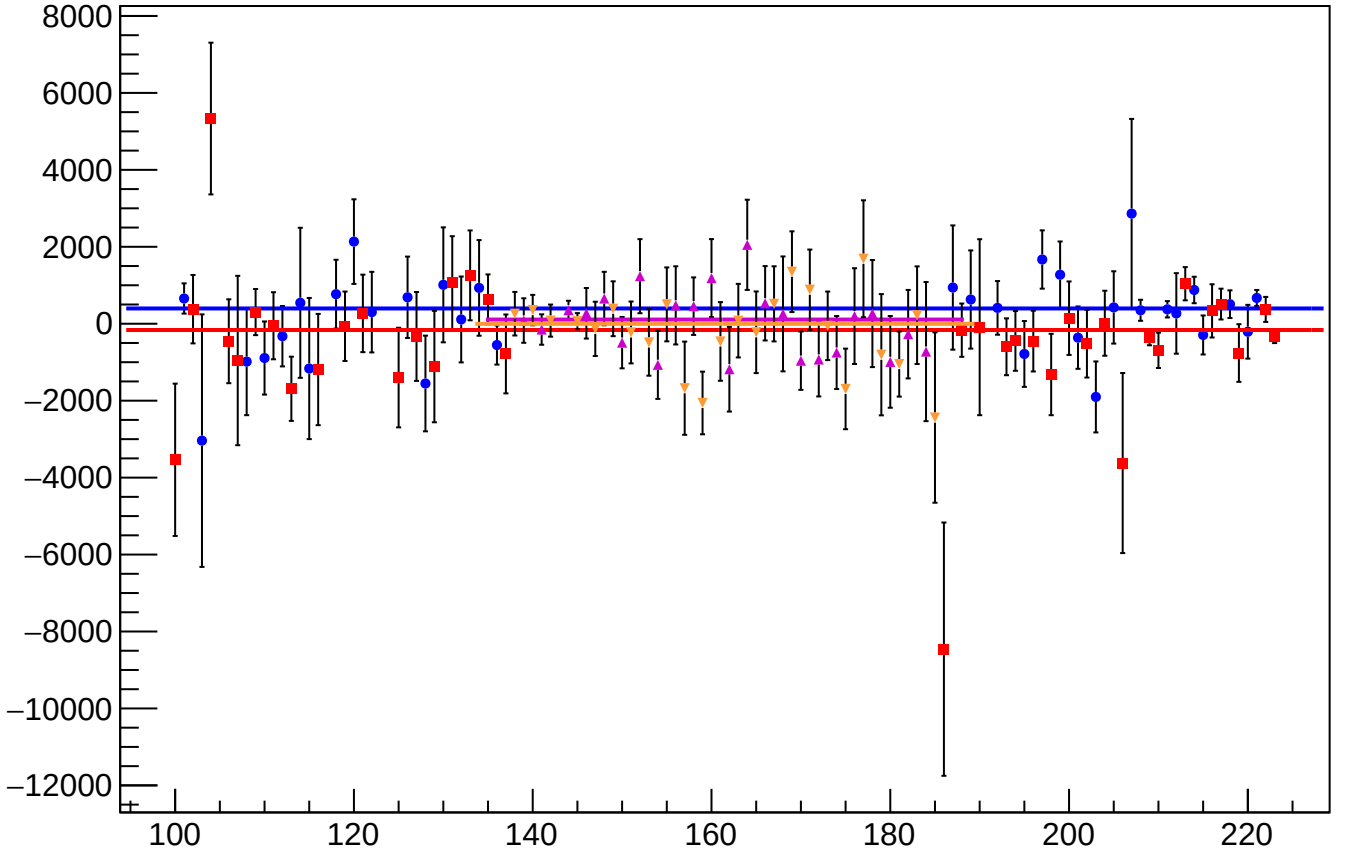
Right: 1785.548+/-0.190 χ^2/NDF: 1051673.5/70

In: 1756.514+/-0.196 χ^2/NDF:732299.7/56

Out: 1764.676+/-0.195 χ^2/NDF:358061.5/60

All: 1760.611+/-0.138 χ^2/NDF: 1091229.8/11

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

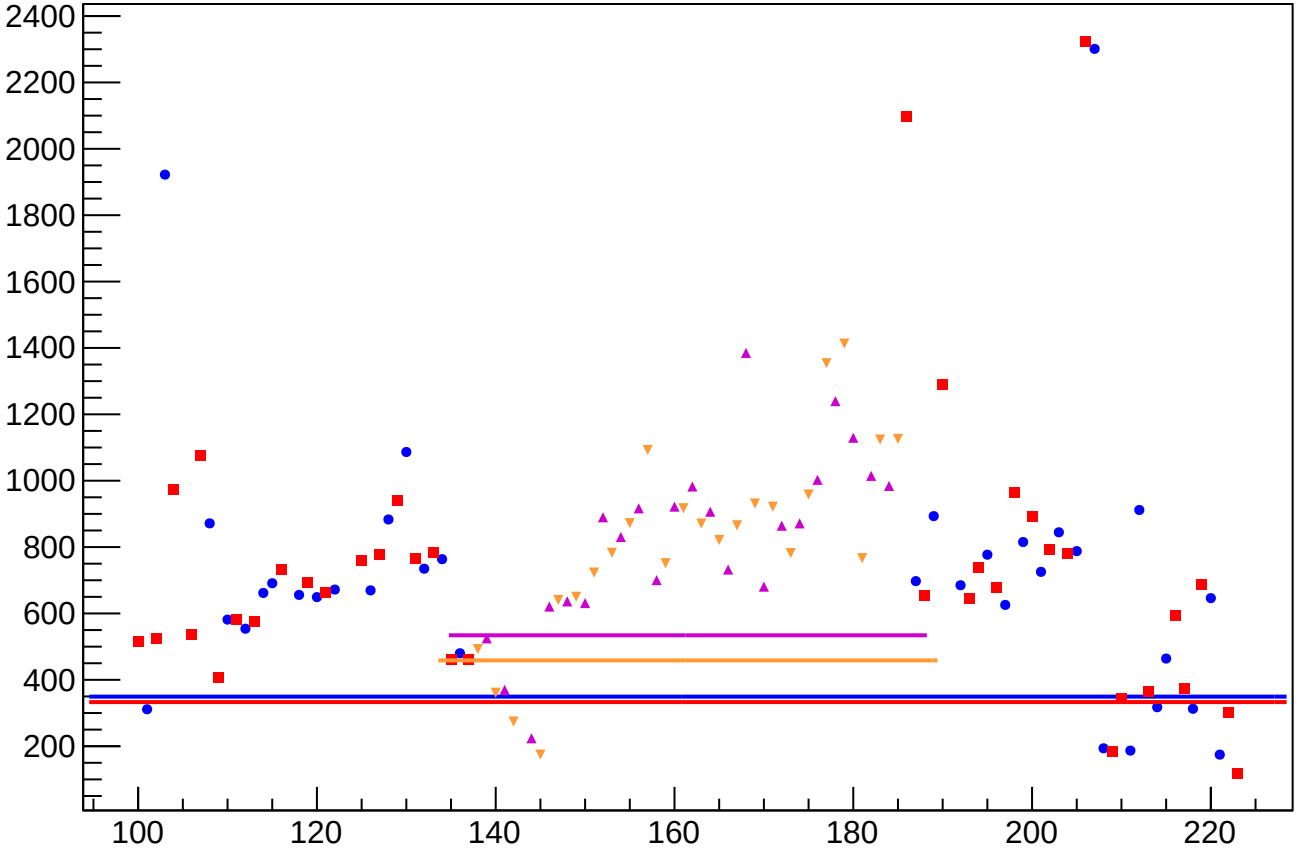
Right: 109.425+/-65.324 χ^2/NDF: 103.9/70

In: 310.576+/-78.421 χ^2/NDF:55.3/56

Out: -109.895+/-74.629 χ^2/NDF:71.4/60

All: 89.929+/-54.061 χ^2/NDF: 141.8/117

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

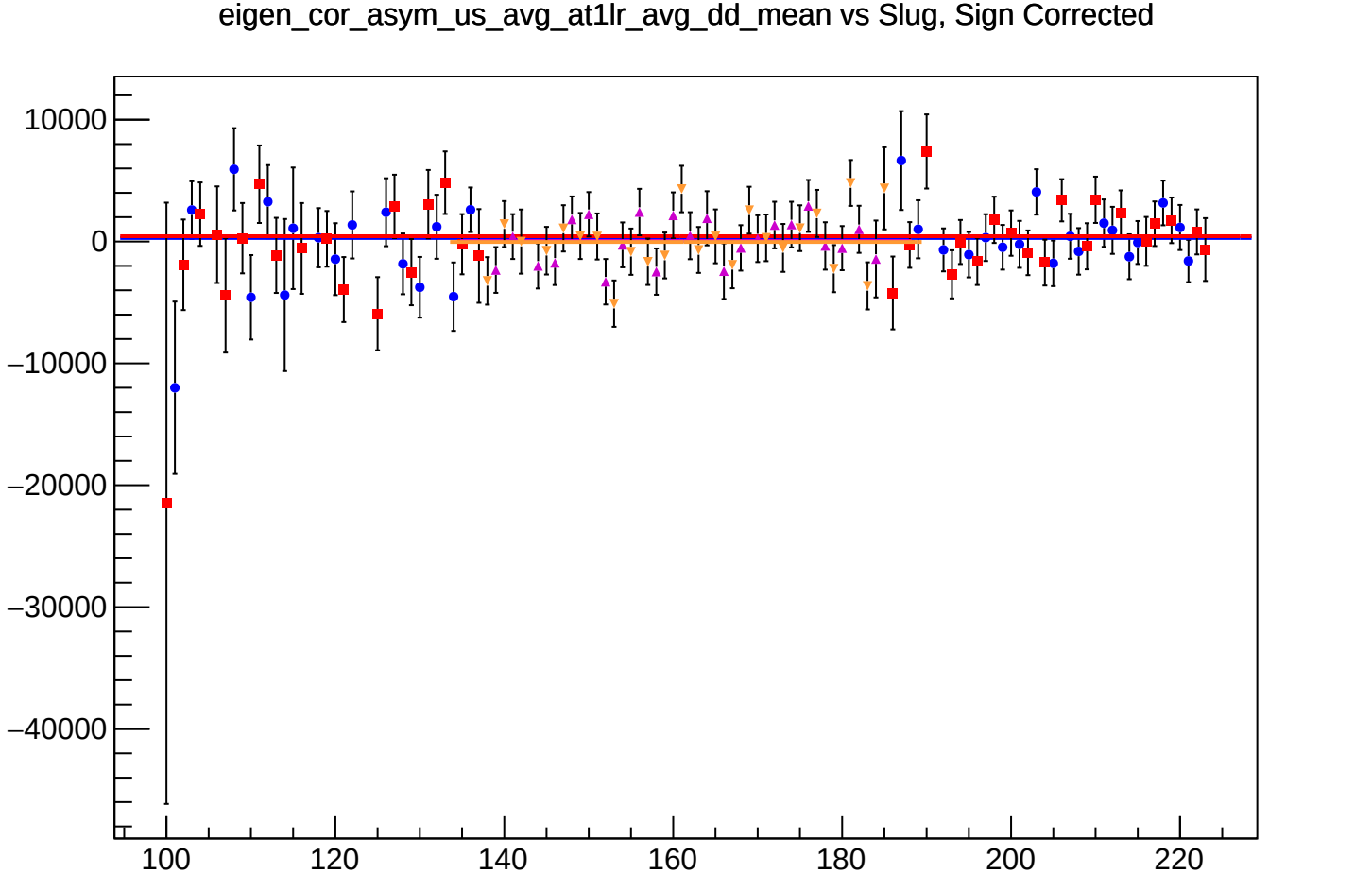
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 340.972+/-0.046 χ^2/NDF: 27710061.5/70

In: 404.748+/-0.055 χ^2/NDF:23390869.3/56

Out: 374.331+/-0.053 χ^2/NDF:27736217.7/60

All: 388.786+/-0.038 χ^2/NDF: 51284976.7/1



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

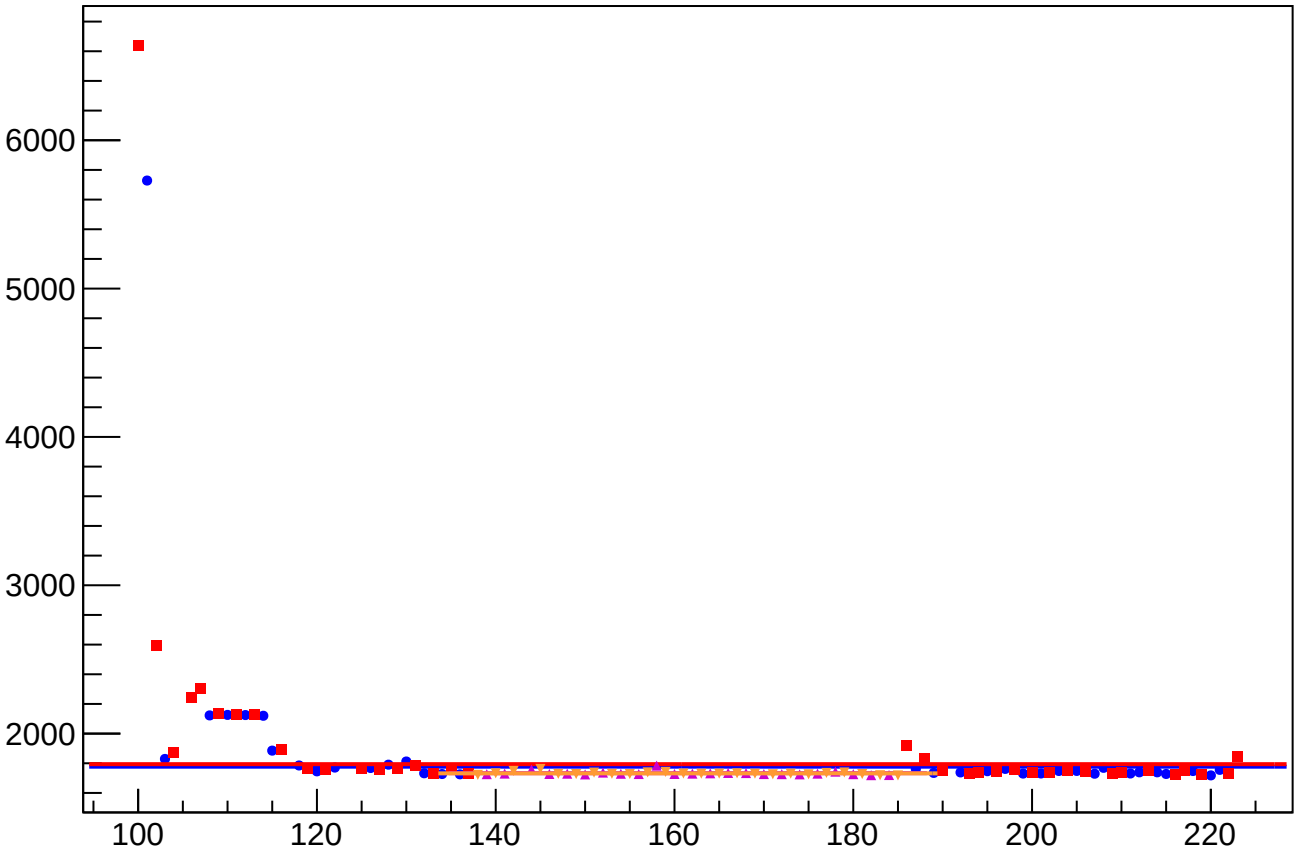
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 366.113+/-269.313 χ^2/NDF: 73.8/70

In: 180.456+/-277.465 χ^2/NDF:53.4/56

Out: 214.670+/-276.366 χ^2/NDF:75.9/60

All: 197.631+/-195.808 χ^2/NDF: 129.4/117



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

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

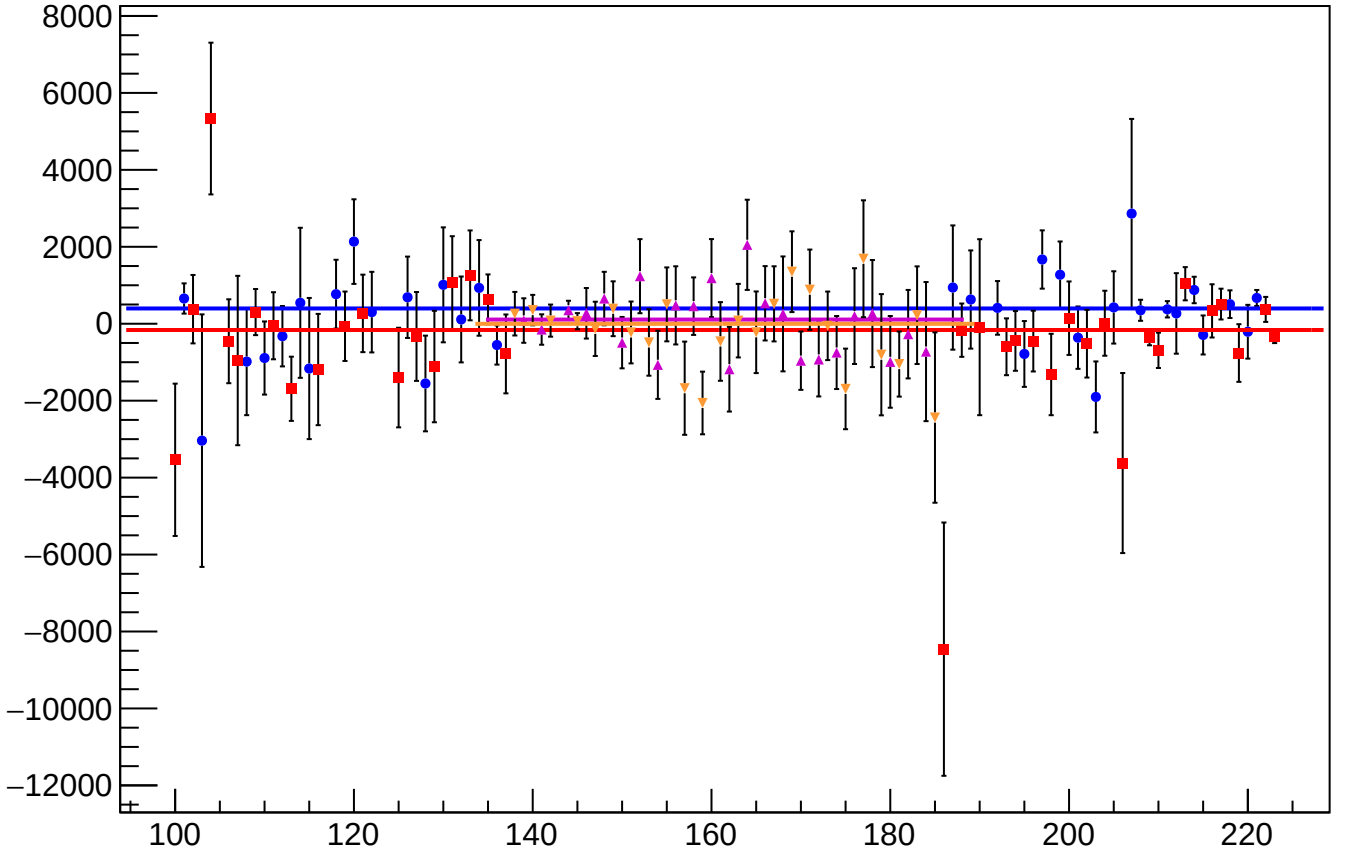
Right: 1785.548+/-0.190 χ^2/NDF: 1051673.5/70

In: 1756.514+/-0.196 χ^2/NDF:732299.7/56

Out: 1764.676+/-0.195 χ^2/NDF:358061.5/60

All: 1760.611+/-0.138 χ^2/NDF: 1091229.8/11

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

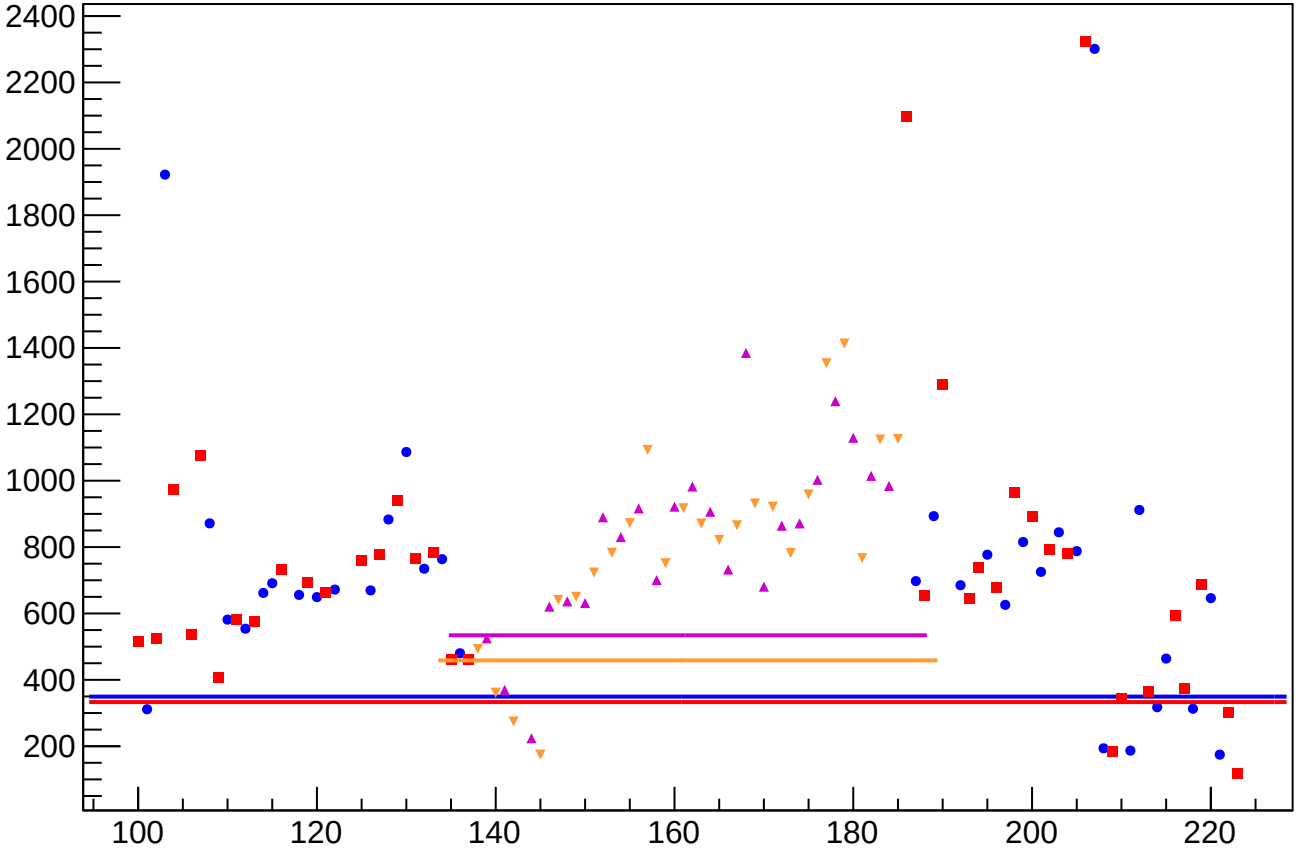
Right: 109.425+/-65.324 χ^2/NDF: 103.9/70

In: 310.576+/-78.421 χ^2/NDF:55.3/56

Out: -109.895+/-74.629 χ^2/NDF:71.4/60

All: 89.929+/-54.061 χ^2/NDF: 141.8/117

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

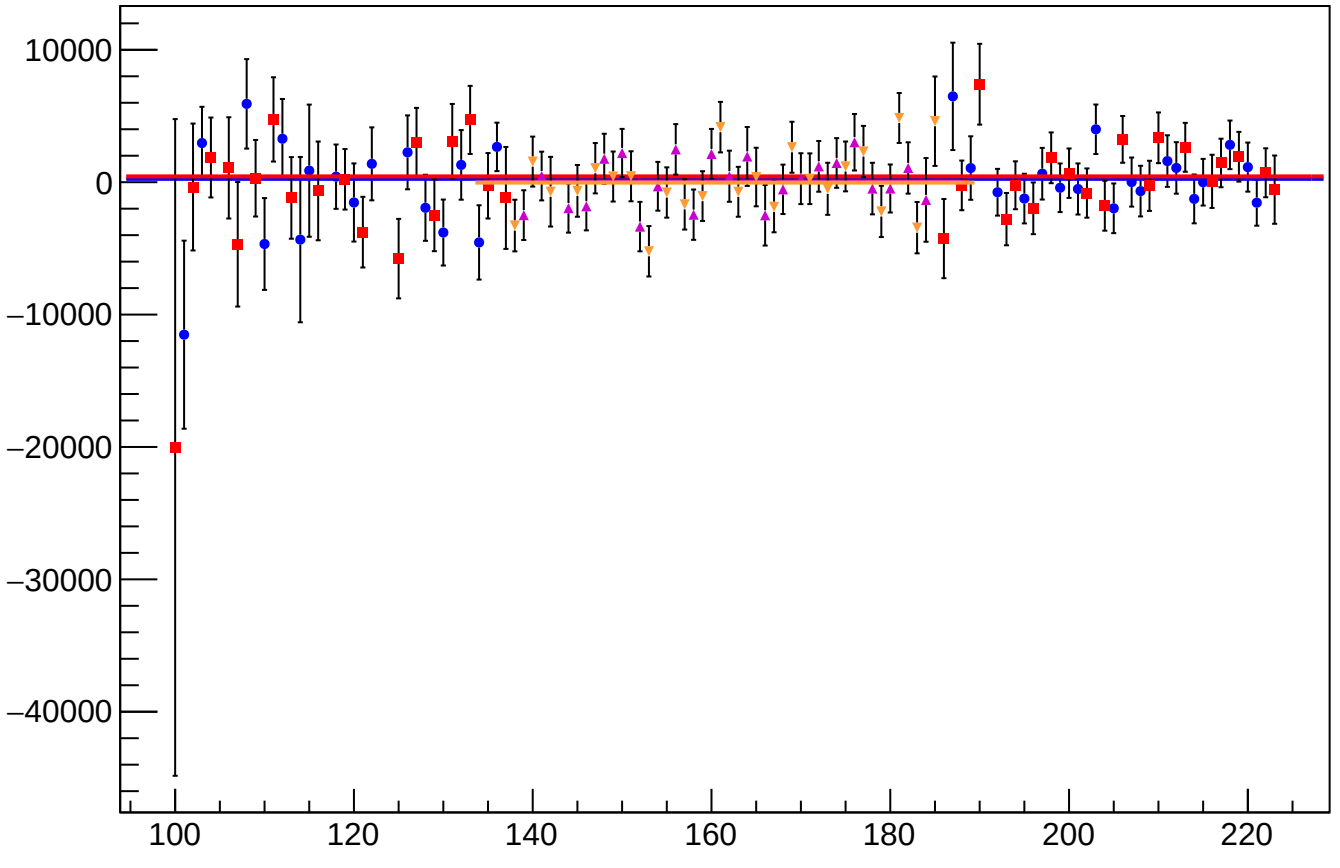
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 340.972+/-0.046 χ^2/NDF: 27710061.5/70

In: 404.748+/-0.055 χ^2/NDF:23390869.3/56

Out: 374.331+/-0.053 χ^2/NDF:27736217.7/60

All: 388.786+/-0.038 χ^2/NDF: 51284976.7/1



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

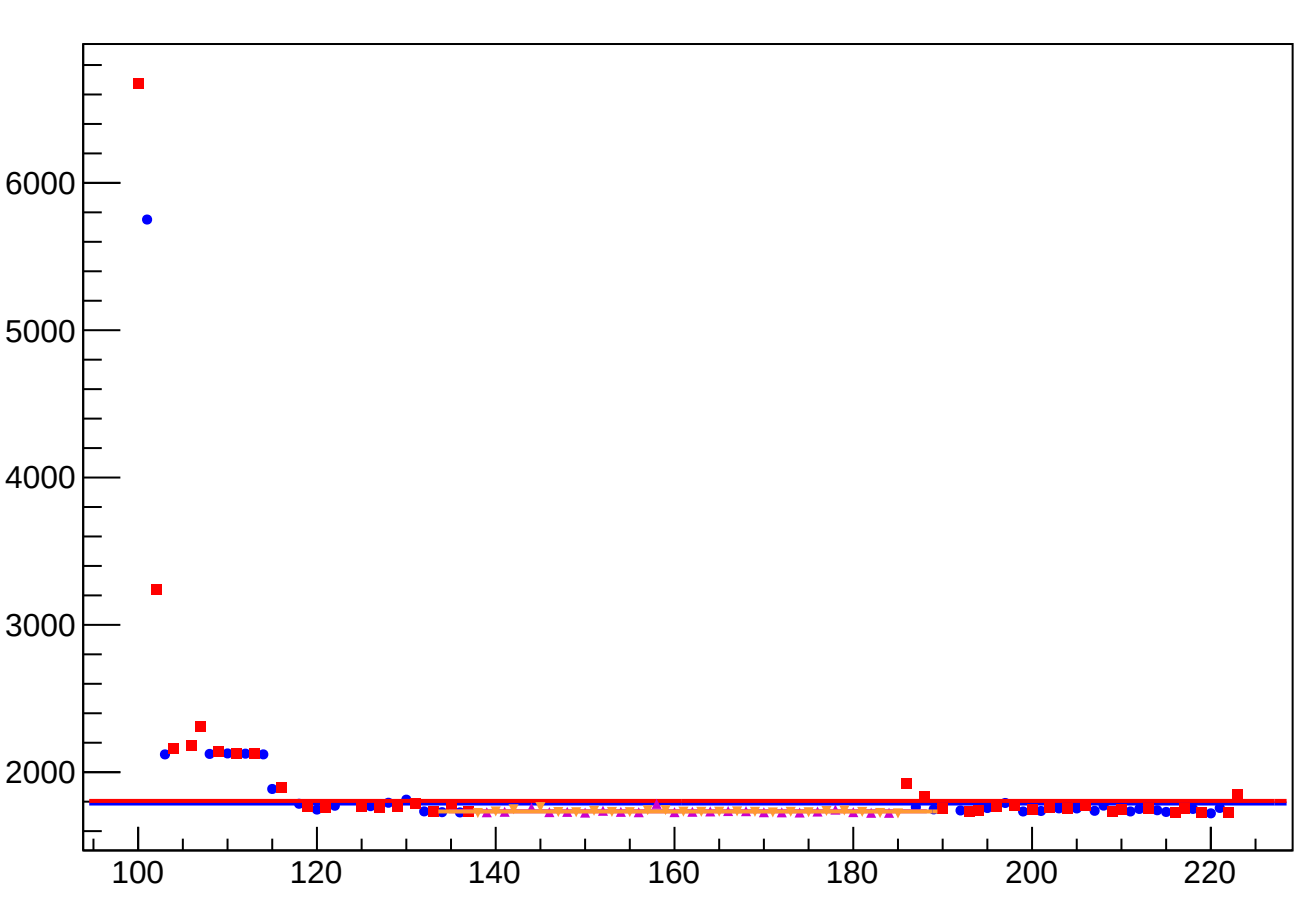
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 346.346+/-271.241 χ^2/NDF: 72.8/70

In: 153.737+/-278.473 χ^2/NDF:53.5/56

Out: 216.064+/-277.670 χ^2/NDF:75.4/60

All: 184.990+/-196.625 χ^2/NDF: 128.9/117



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

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

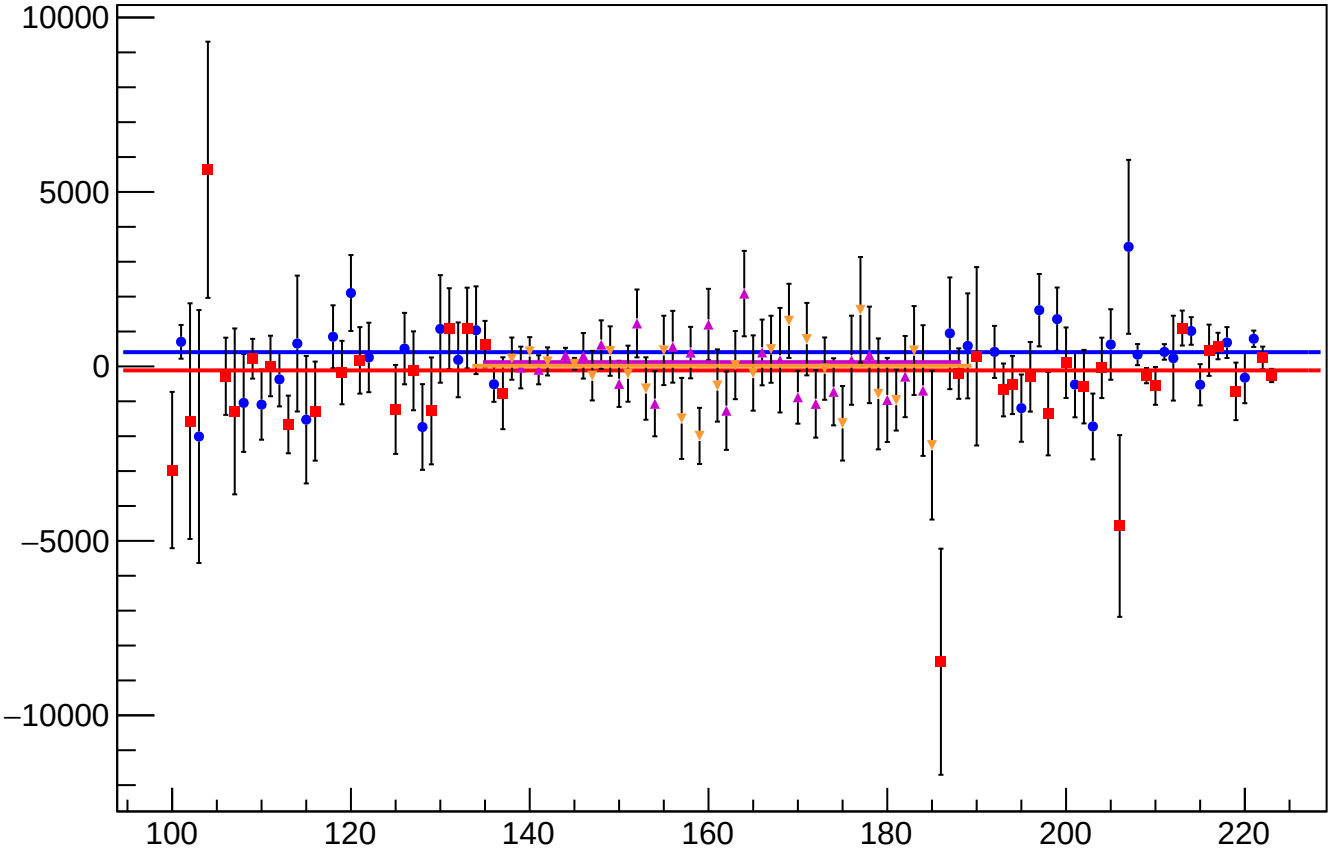
Right: 1796.200+/-0.192 χ^2/NDF: 1184246.3/70

In: 1762.504+/-0.197 χ^2/NDF:766050.4/56

Out: 1770.976+/-0.196 χ^2/NDF:470037.0/60

All: 1766.752+/-0.139 χ^2/NDF: 1237015.6/11

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

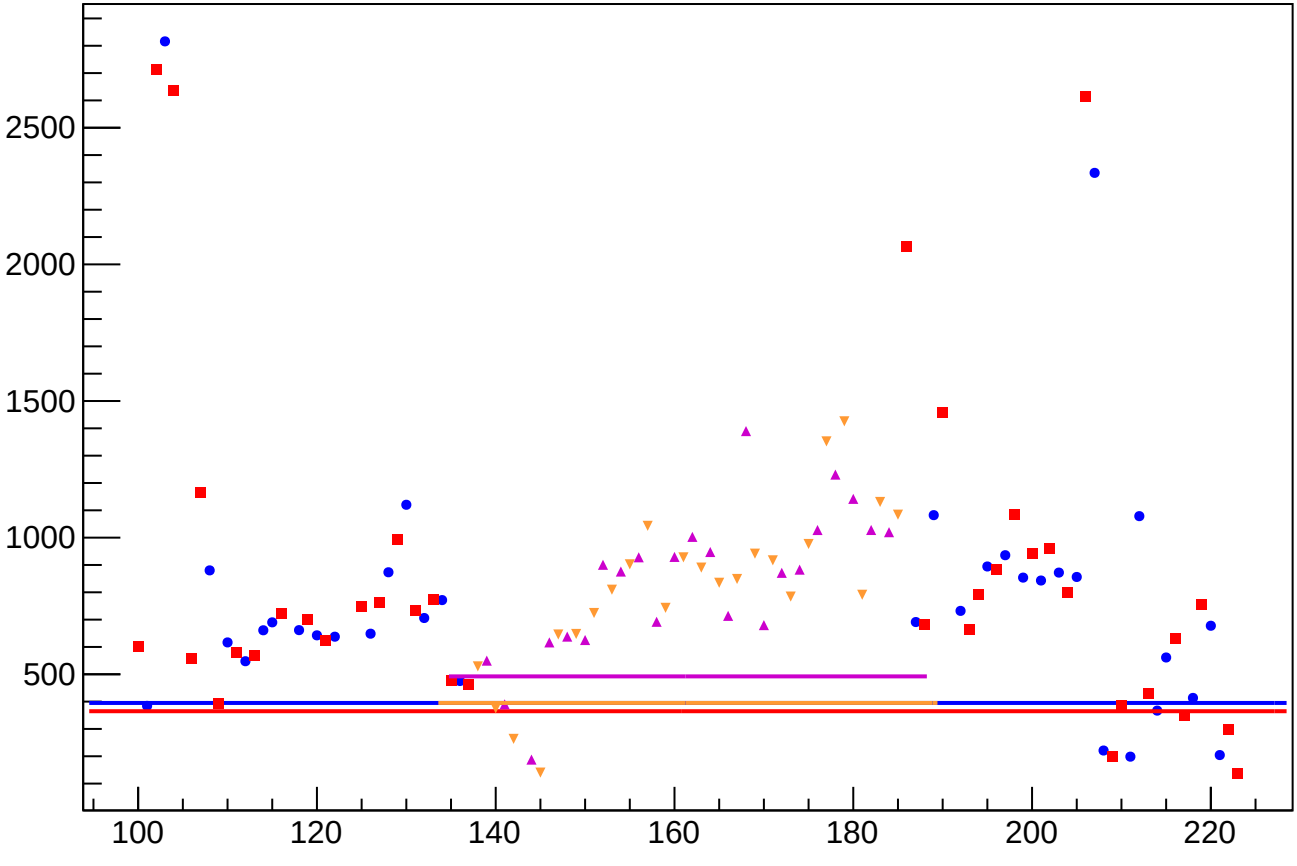
Right: 135.179+/-71.309 χ^2/NDF: 90.7/70

In: 304.620+/-82.468 χ^2/NDF:57.0/56

Out: -60.522+/-76.027 χ^2/NDF:59.7/60

All: 107.236+/-55.898 χ^2/NDF: 127.3/117

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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

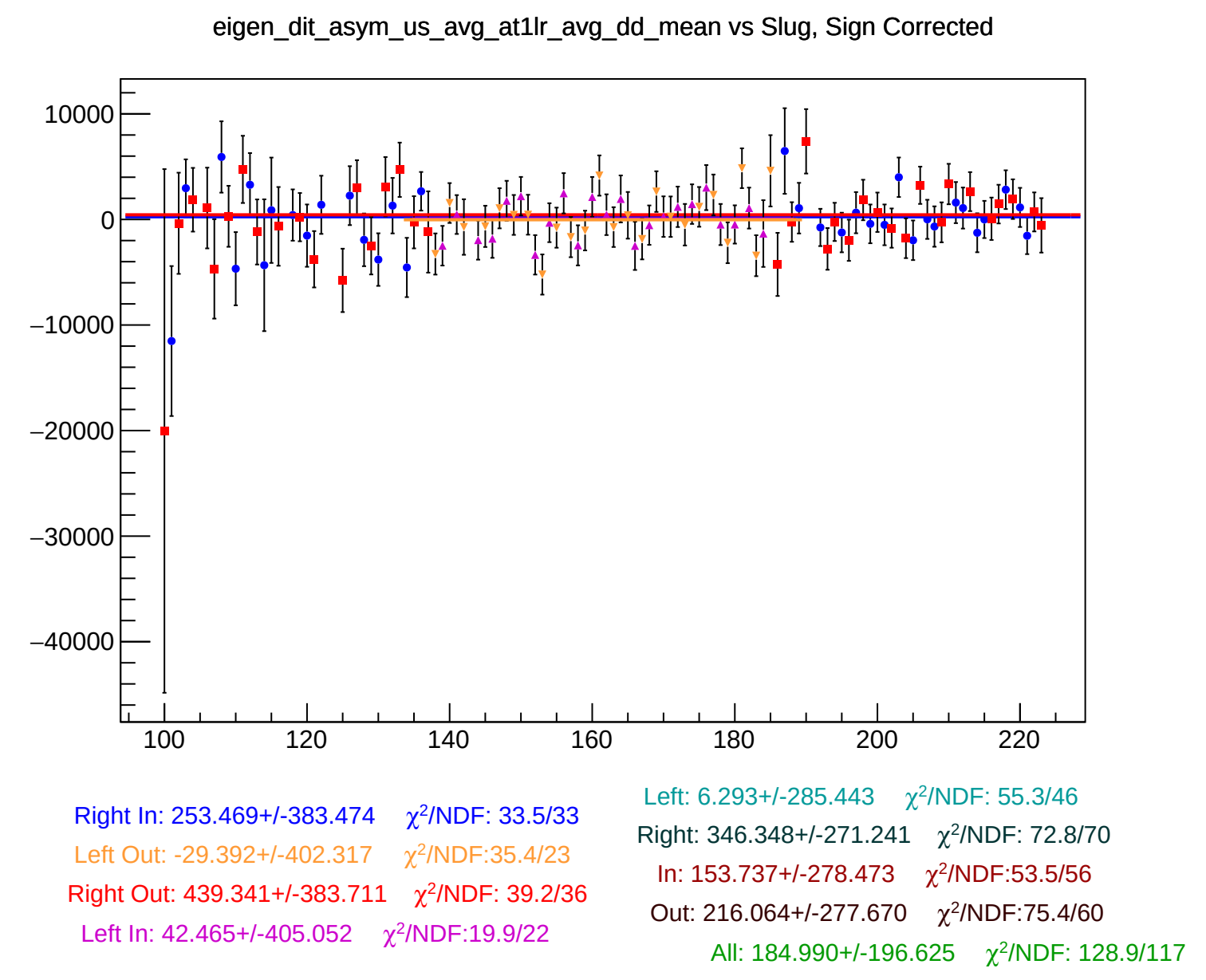
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

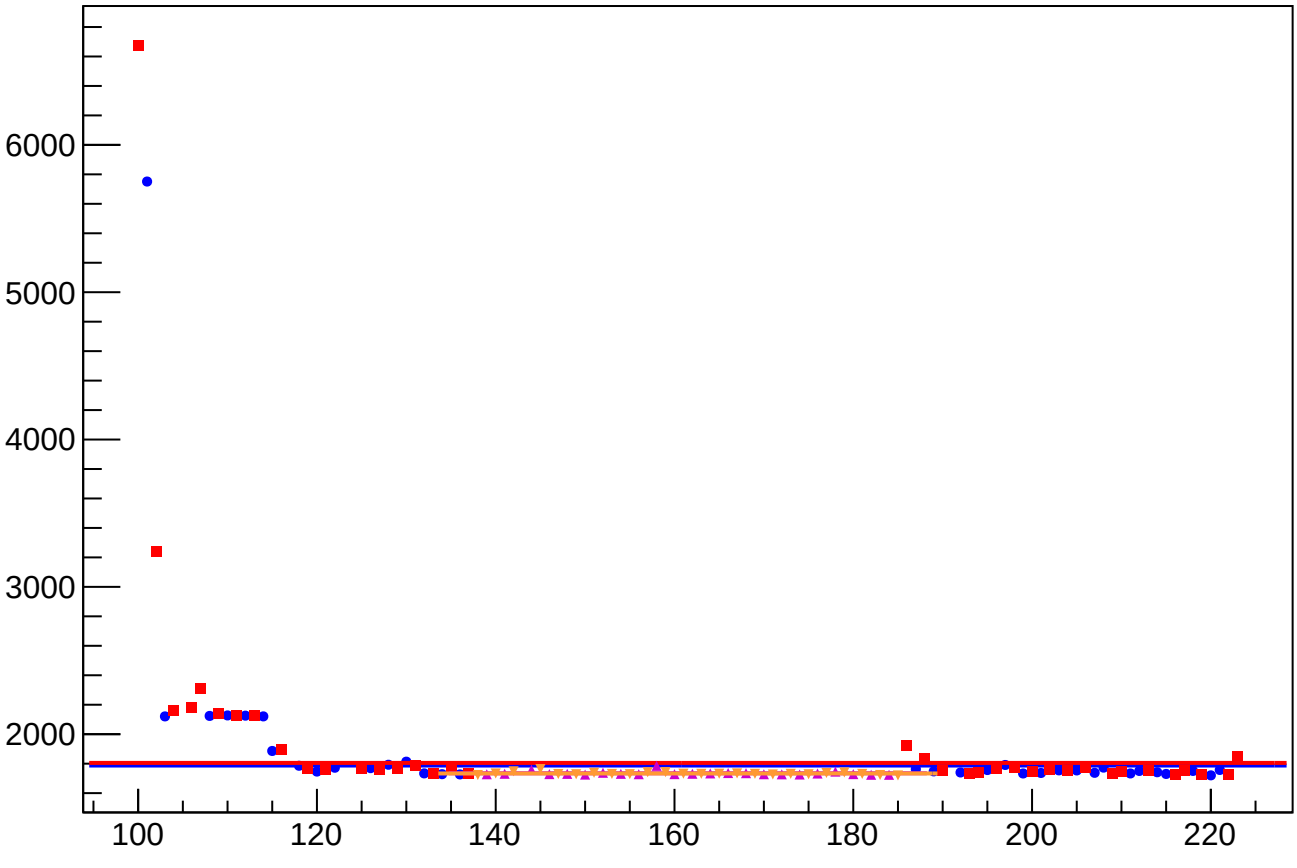
Right: 379.266+/-0.050 χ^2/NDF: 28558598.2/70

In: 430.236+/-0.058 χ^2/NDF:23833014.0/56

Out: 377.141+/-0.054 χ^2/NDF:30107898.2/60

All: 401.535+/-0.040 χ^2/NDF: 54389066.8/1


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 253.469+/-383.474 χ²/NDF: 33.5/33
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 439.341+/-383.711 χ²/NDF: 39.2/36
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 346.348+/-271.241 χ²/NDF: 72.8/70
In: 153.737+/-278.473 χ²/NDF:53.5/56
Out: 216.064+/-277.670 χ²/NDF:75.4/60
All: 184.990+/-196.625 χ²/NDF: 128.9/117



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

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

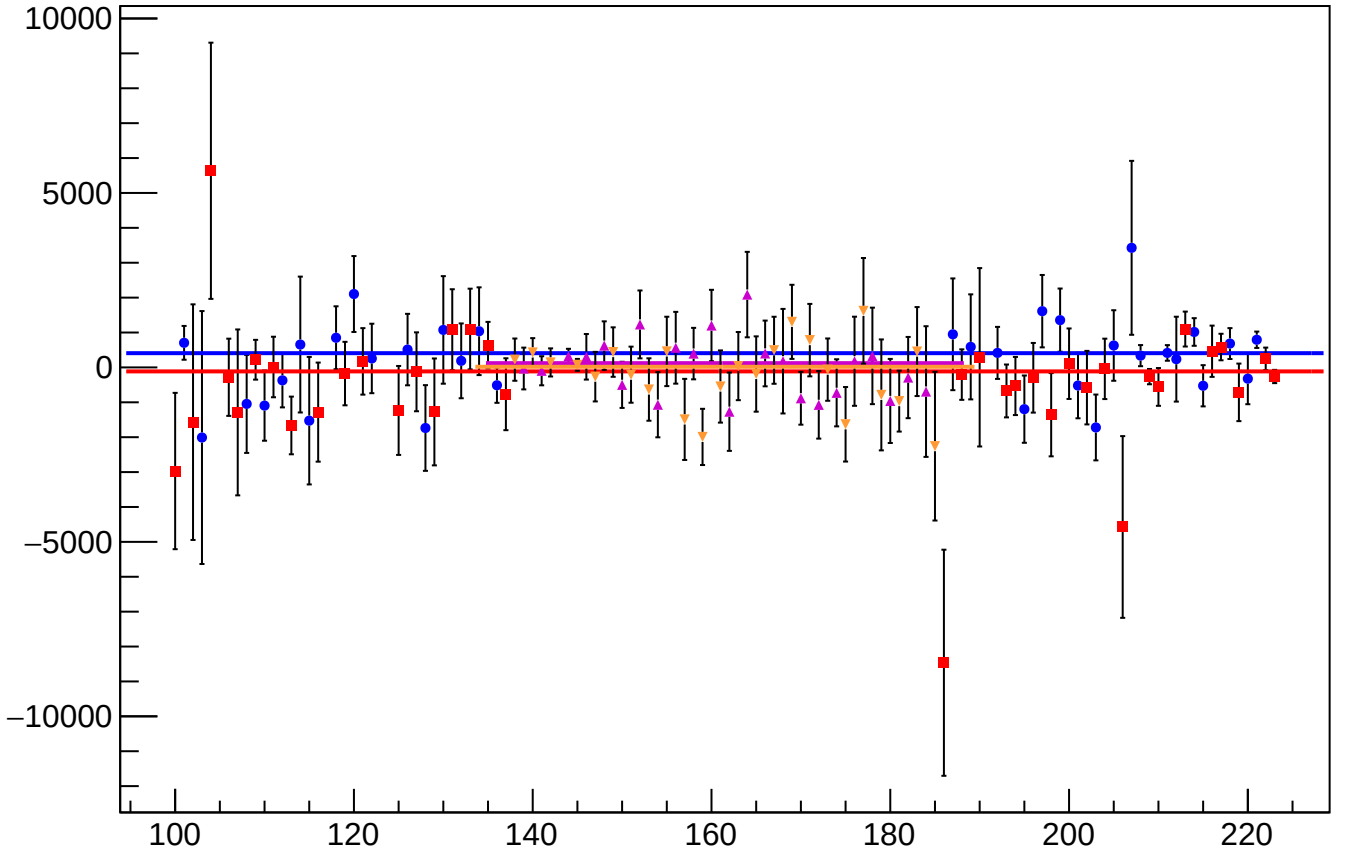
Right: 1796.200+/-0.192 χ^2/NDF: 1184245.0/70

In: 1762.504+/-0.197 χ^2/NDF:766049.9/56

Out: 1770.976+/-0.196 χ^2/NDF:470036.1/60

All: 1766.752+/-0.139 χ^2/NDF: 1237014.3/11

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 408.205+/-103.210 χ^2/NDF: 37.8/33

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -114.190+/-98.637 χ^2/NDF: 39.5/36

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

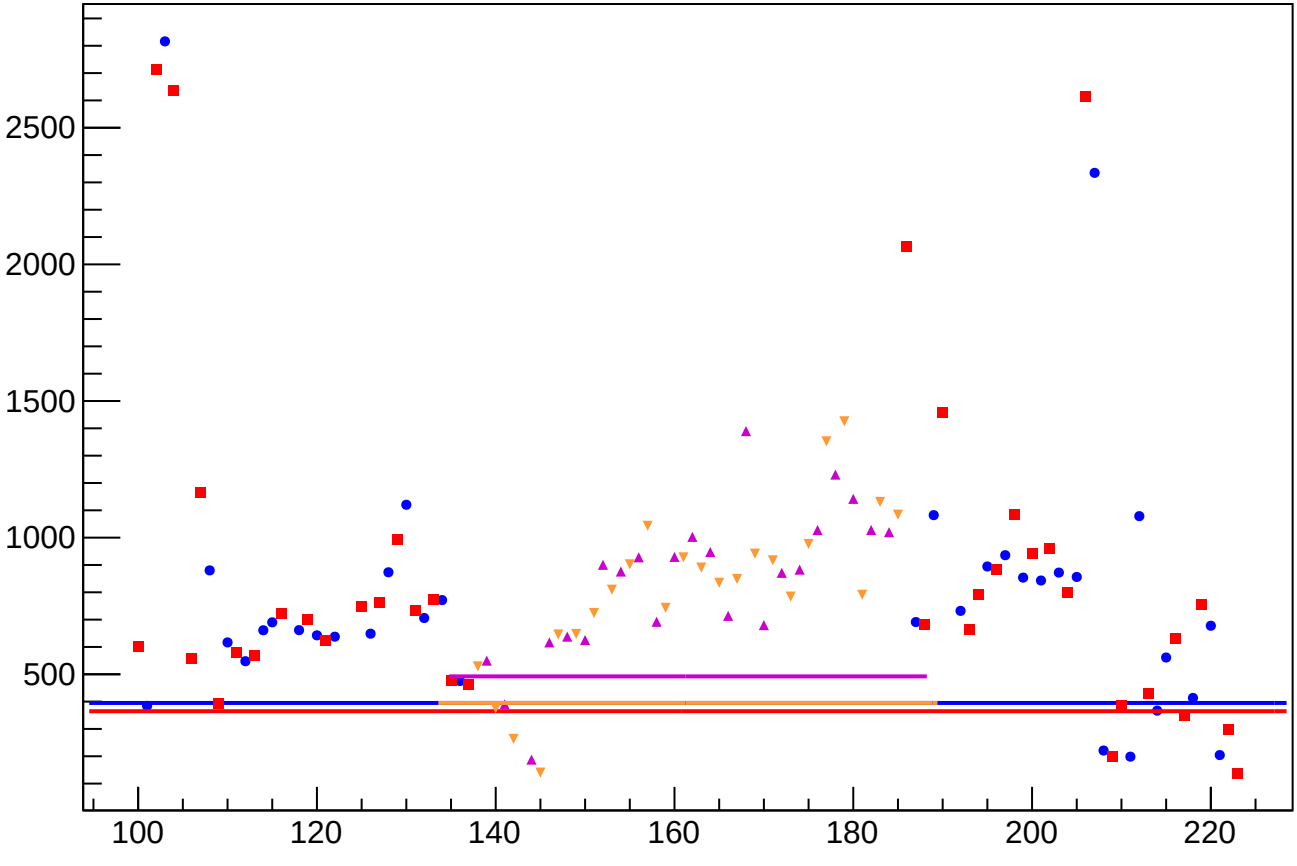
Right: 135.177+/-71.309 χ^2/NDF: 90.7/70

In: 304.619+/-82.468 χ^2/NDF:57.0/56

Out: -60.524+/-76.027 χ^2/NDF:59.7/60

All: 107.234+/-55.898 χ^2/NDF: 127.3/117

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

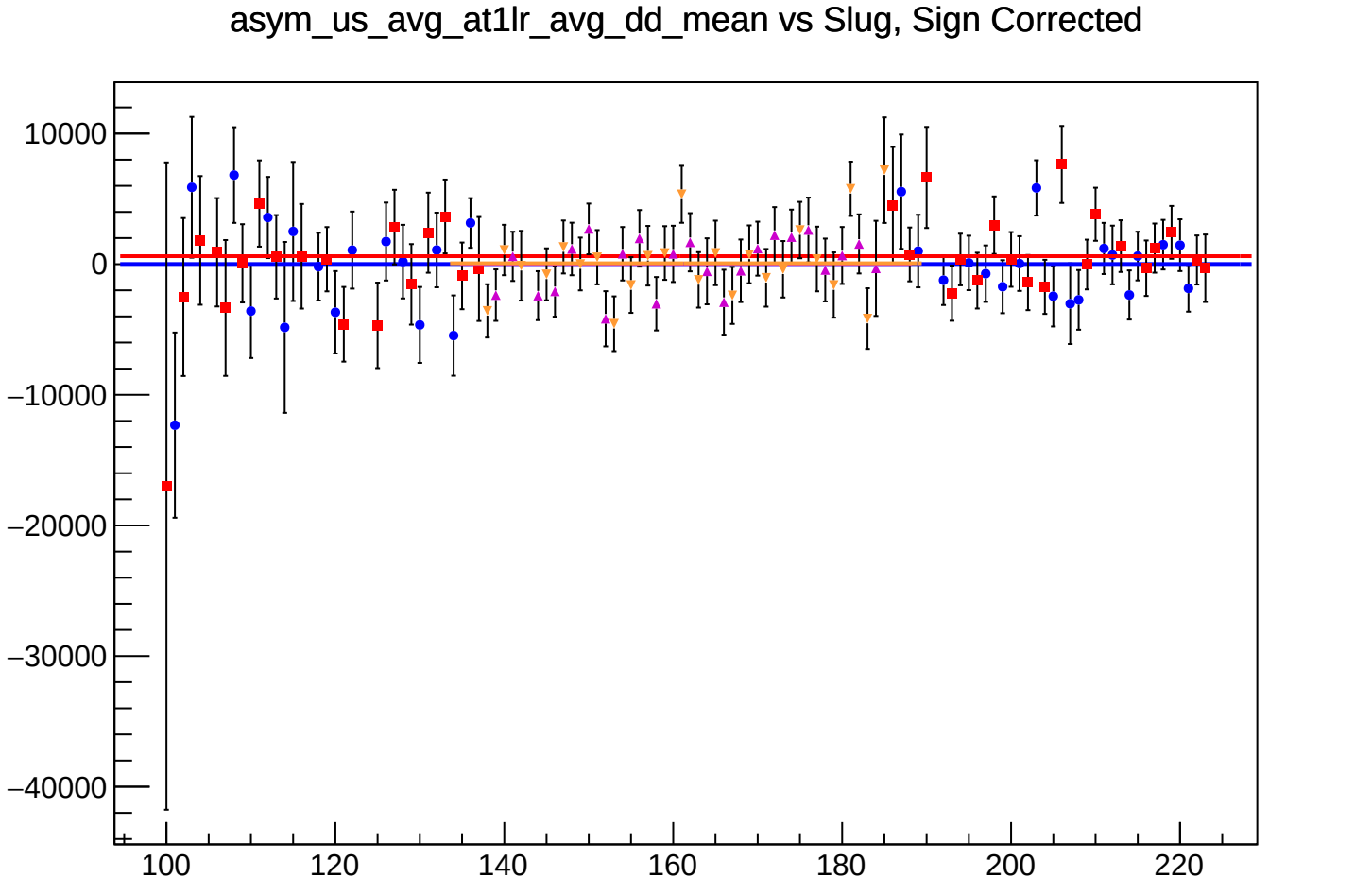
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 379.266+/-0.050 χ^2/NDF: 28558466.2/70

In: 430.237+/-0.058 χ^2/NDF:23832970.1/56

Out: 377.141+/-0.054 χ^2/NDF:30107872.1/60

All: 401.535+/-0.040 χ^2/NDF: 54389010.8/1



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

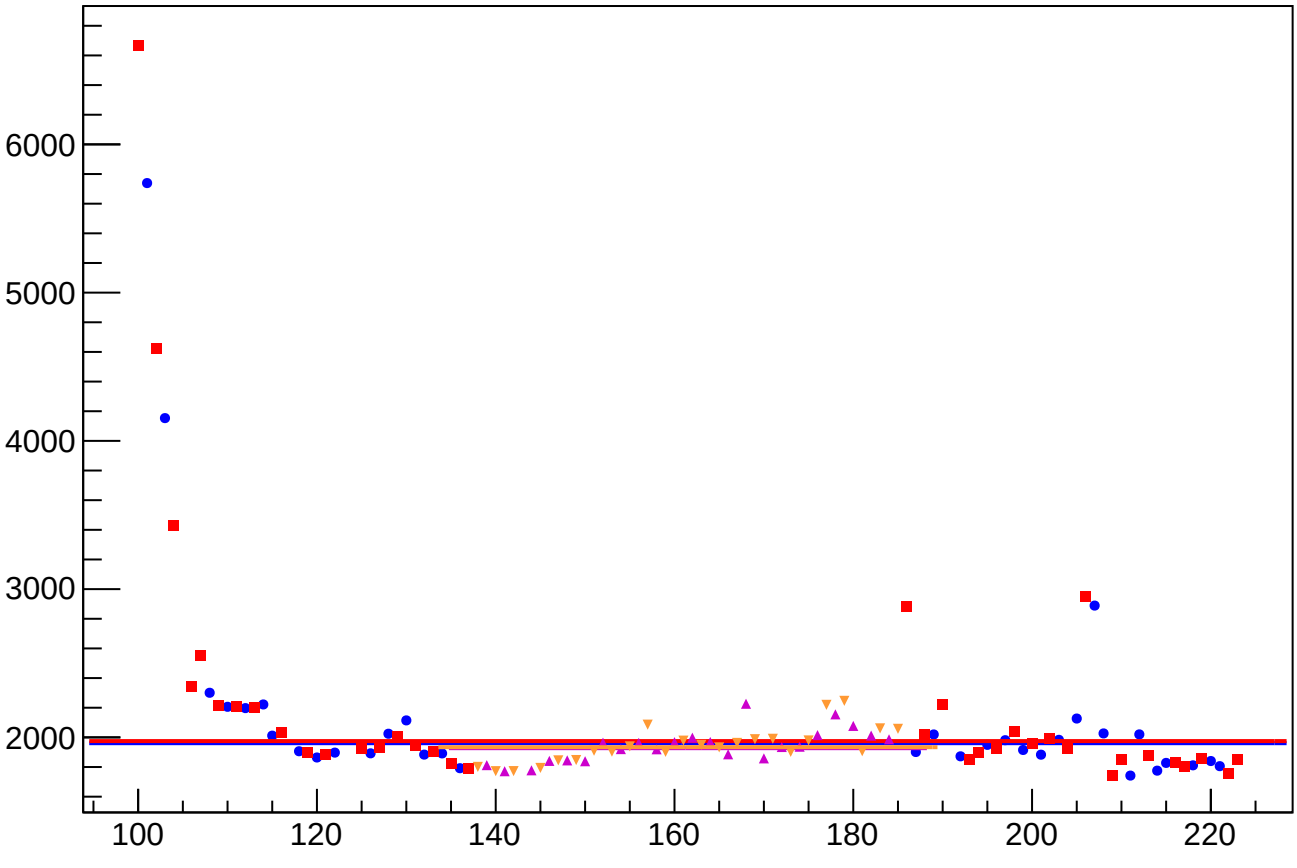
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 314.953+/-299.469 χ^2/NDF: 71.5/70

In: 18.459+/-309.000 χ^2/NDF:59.7/56

Out: 357.969+/-307.979 χ^2/NDF:65.1/60

All: 188.776+/-218.134 χ^2/NDF: 125.5/117



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

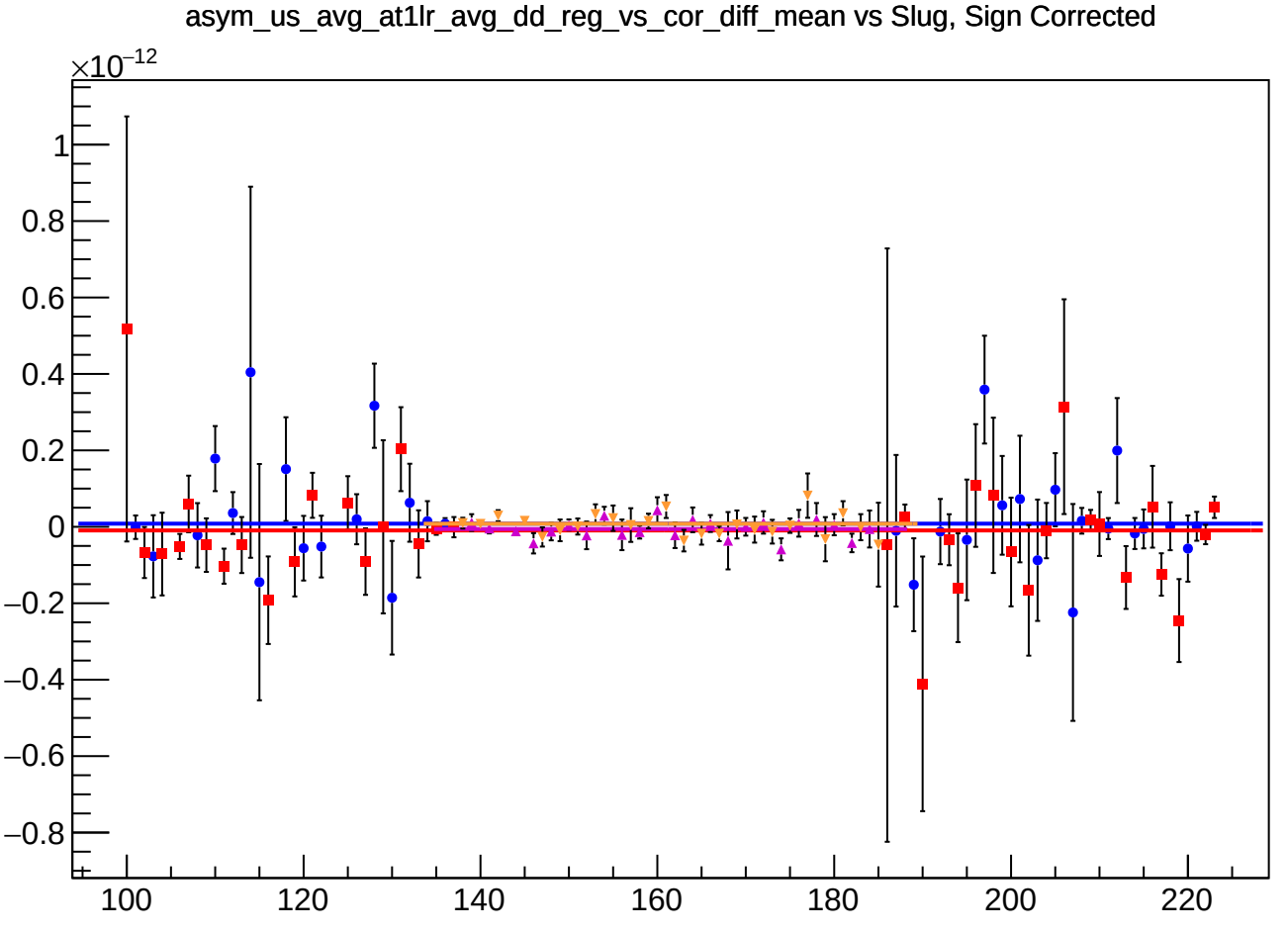
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

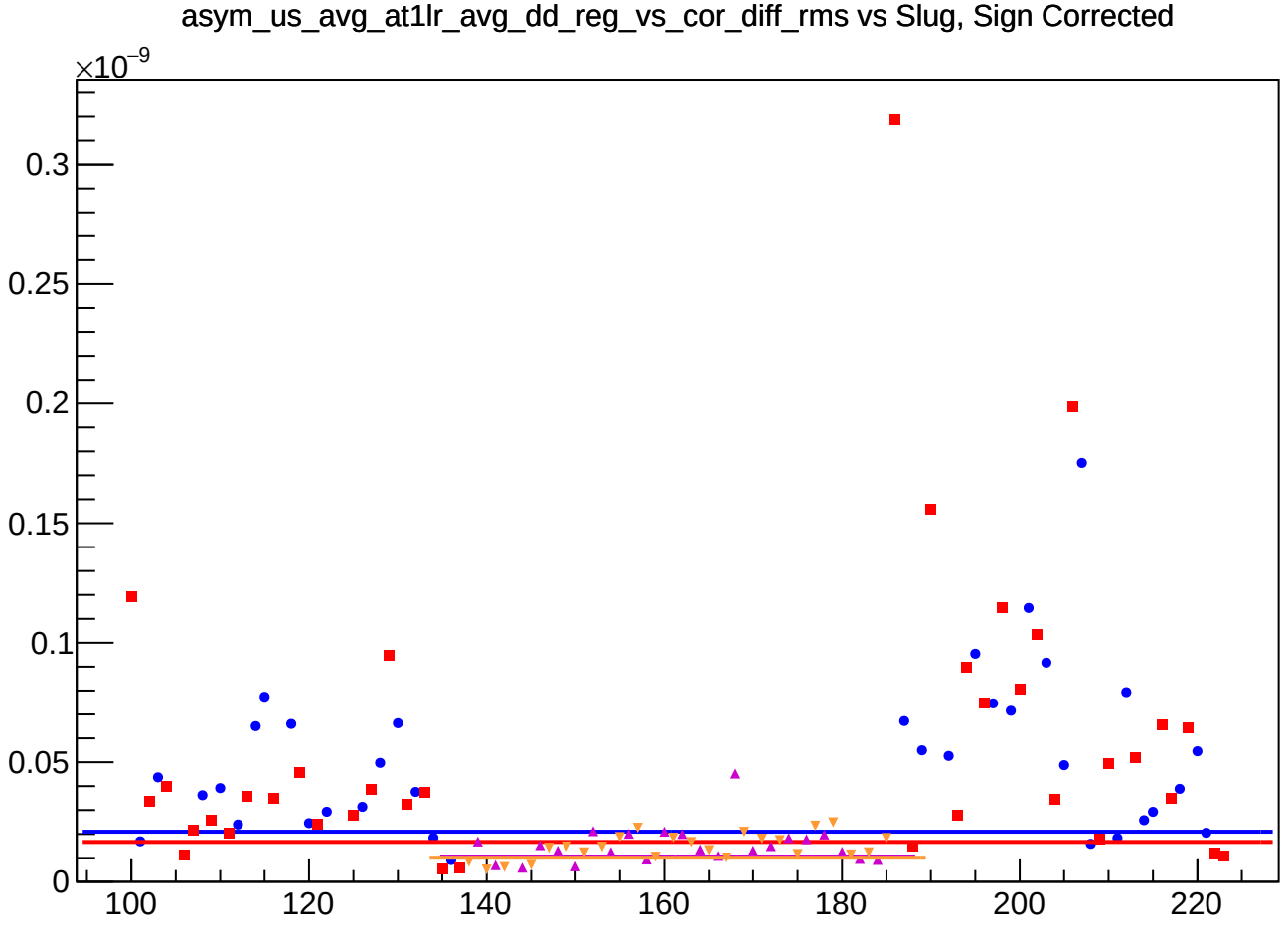
Right: 1967.926+/-0.212 χ^2/NDF: 2419316.2/70

In: 1944.978+/-0.218 χ^2/NDF:1386899.4/56

Out: 1955.675+/-0.218 χ^2/NDF:1291087.7/60

All: 1950.344+/-0.154 χ^2/NDF: 2679189.6/11


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 31.7/33
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 45.7/36
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.9/46
Right: -0.000+/-0.000 χ²/NDF: 79.5/70
In: -0.000+/-0.000 χ²/NDF:50.3/56
Out: 0.000+/-0.000 χ²/NDF:66.7/60
All: 0.000+/-0.000 χ²/NDF: 118.5/117



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

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

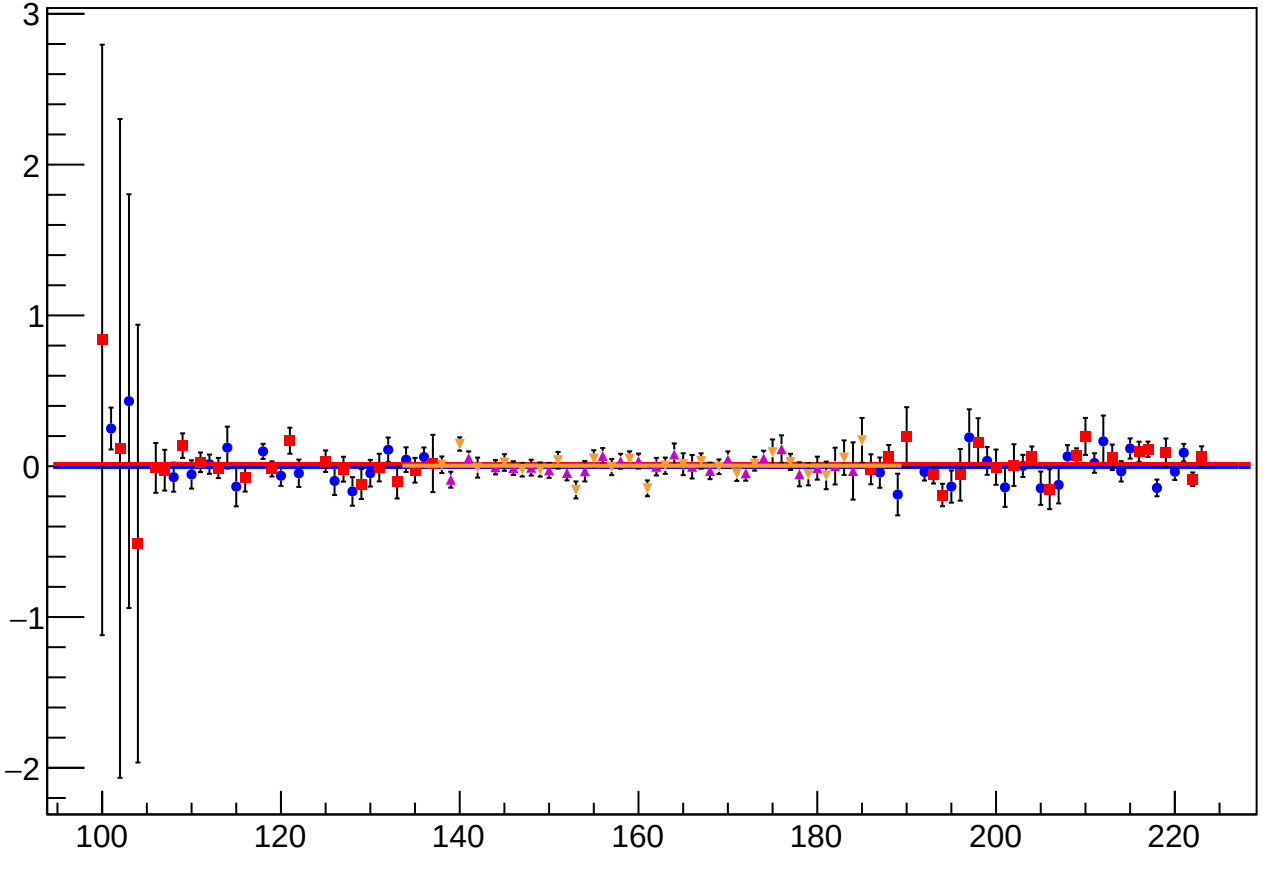
Right: 0.000+/-0.000 χ^2/NDF: 15378250.5/70

In: 0.000+/-0.000 χ^2/NDF:11364552.2/56

Out: 0.000+/-0.000 χ^2/NDF:11765015.1/60

All: 0.000+/-0.000 χ^2/NDF: 23207497.5/117

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

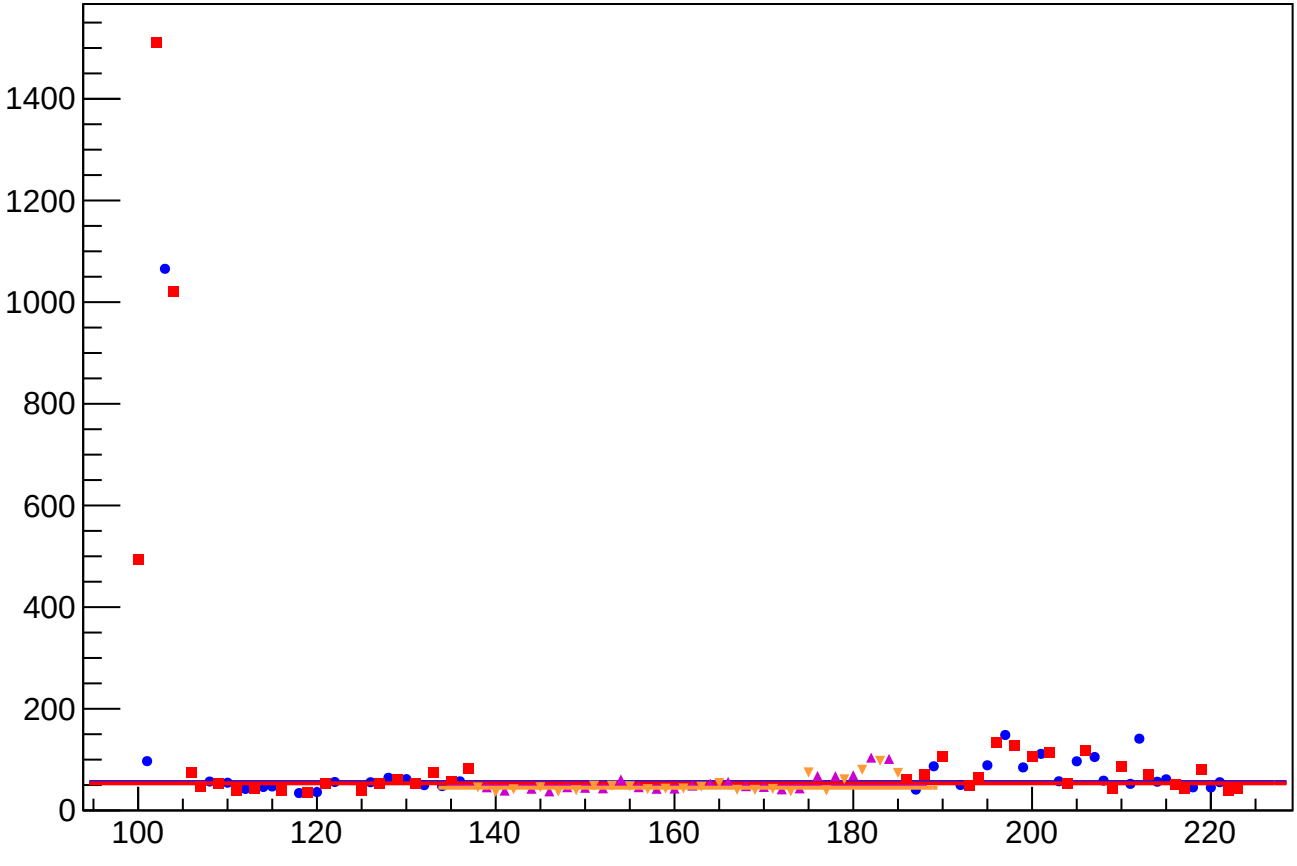
Right: 0.005+/-0.010 χ^2/NDF: 82.9/70

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.008+/-0.009 χ^2/NDF:74.9/60

All: 0.004+/-0.006 χ^2/NDF: 132.5/117

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

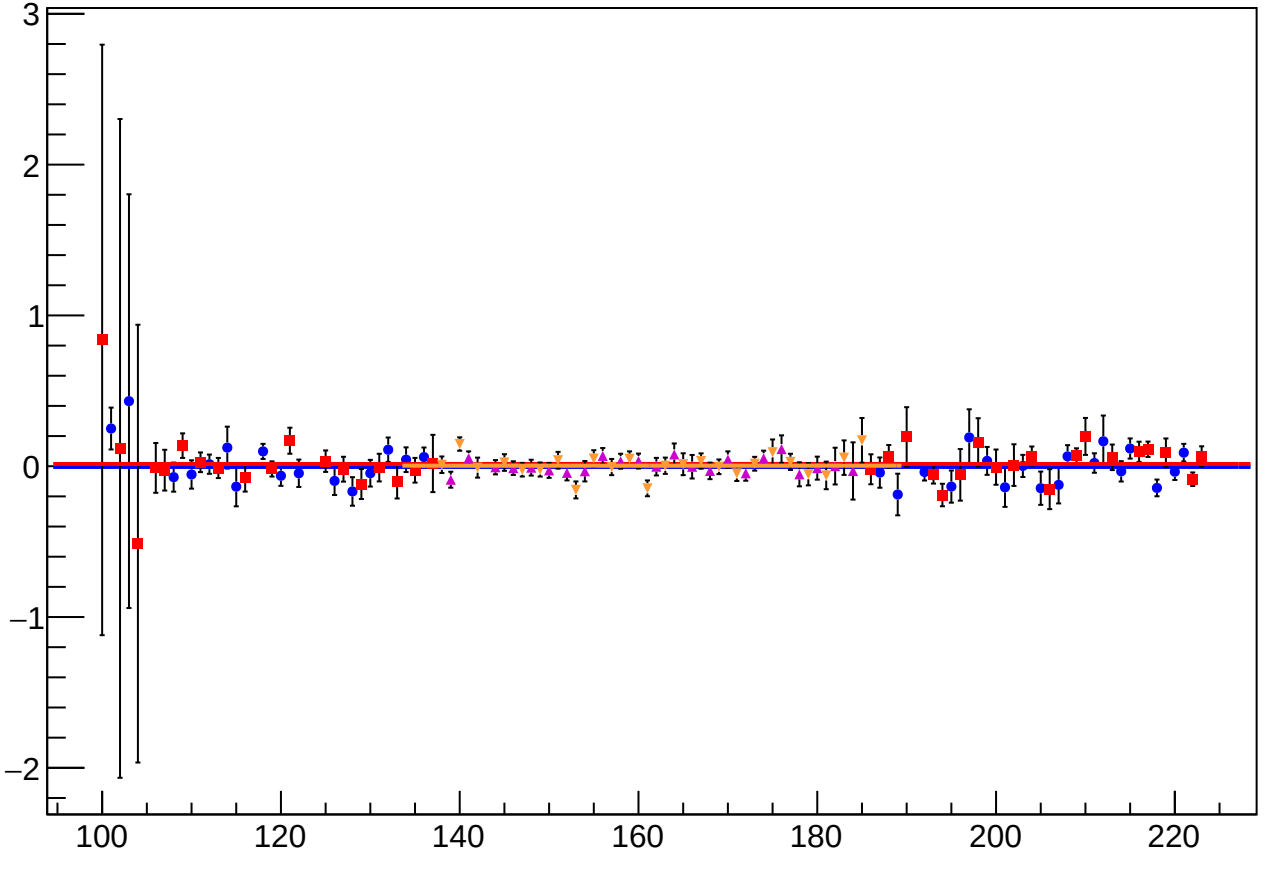
Right: 54.556+/-0.007 χ^2/NDF: 10492002.3/70

In: 50.759+/-0.006 χ^2/NDF:6483844.0/56

Out: 48.376+/-0.006 χ^2/NDF:7776426.6/60

All: 49.530+/-0.004 χ^2/NDF: 14331891.9/117

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

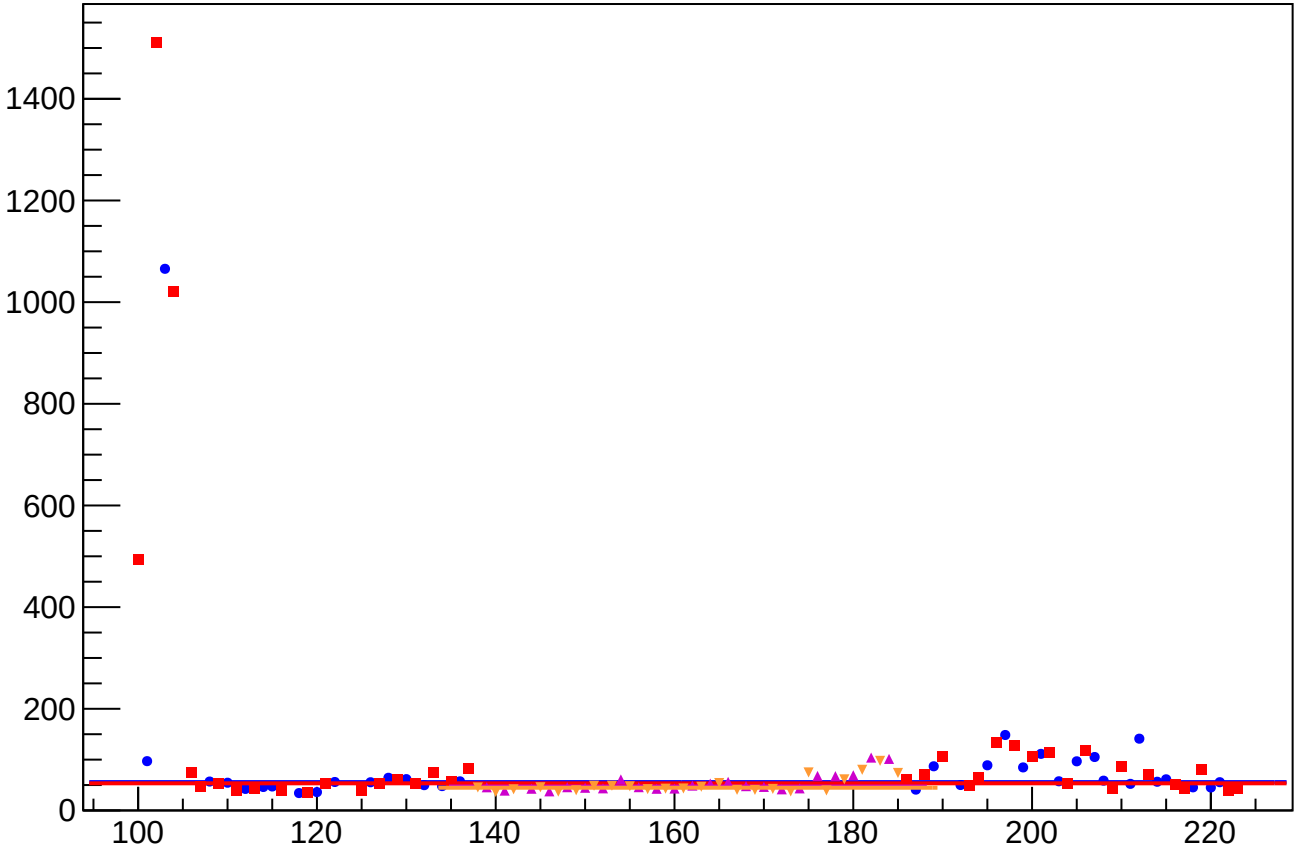
Right: 0.005+/-0.010 χ^2/NDF: 82.9/70

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.008+/-0.009 χ^2/NDF:74.9/60

All: 0.004+/-0.006 χ^2/NDF: 132.5/117

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

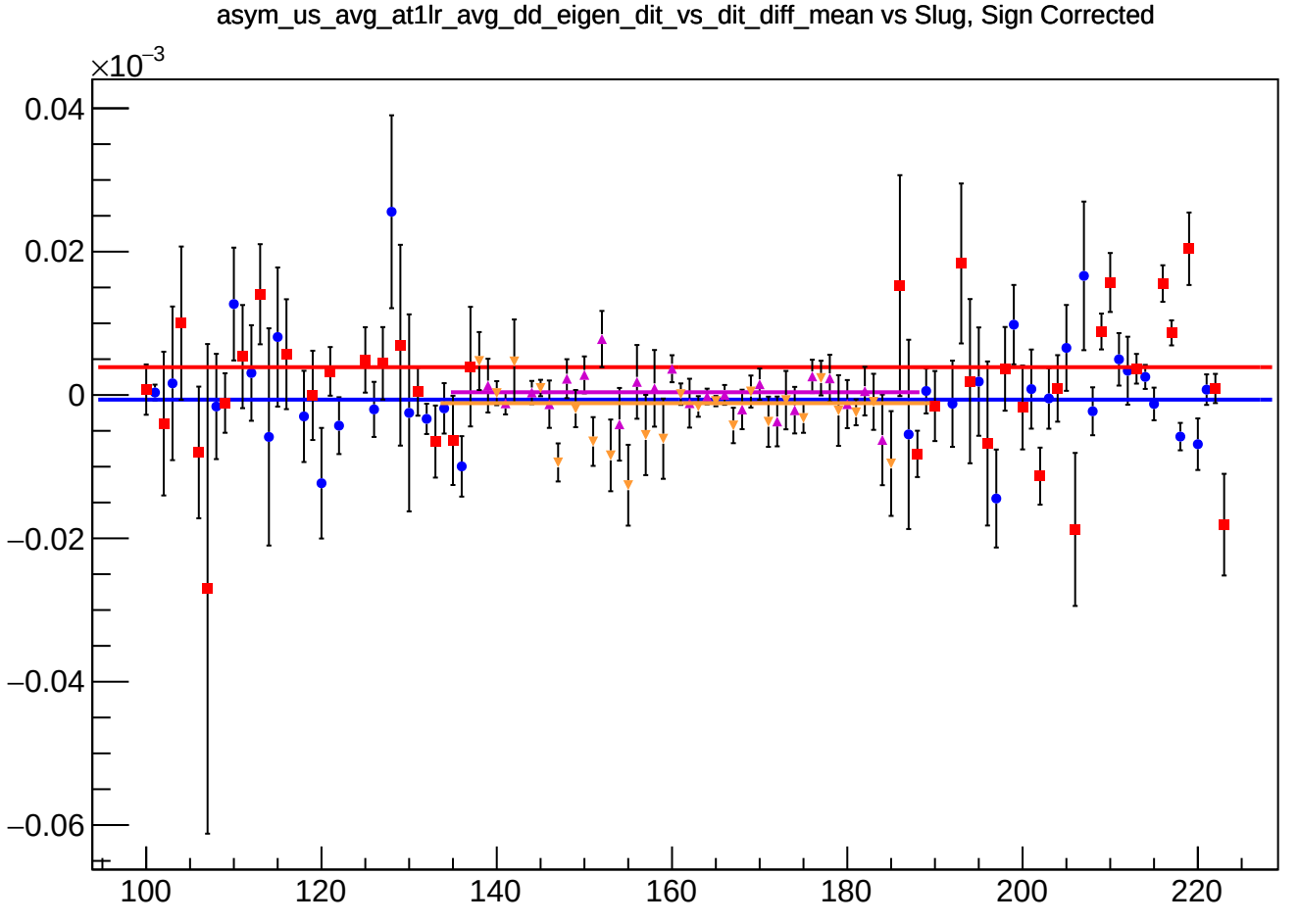
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 54.556+/-0.007 χ^2/NDF: 10492002.3/70

In: 50.759+/-0.006 χ^2/NDF:6483844.0/56

Out: 48.376+/-0.006 χ^2/NDF:7776426.6/60

All: 49.530+/-0.004 χ^2/NDF: 14331891.9/117



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

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

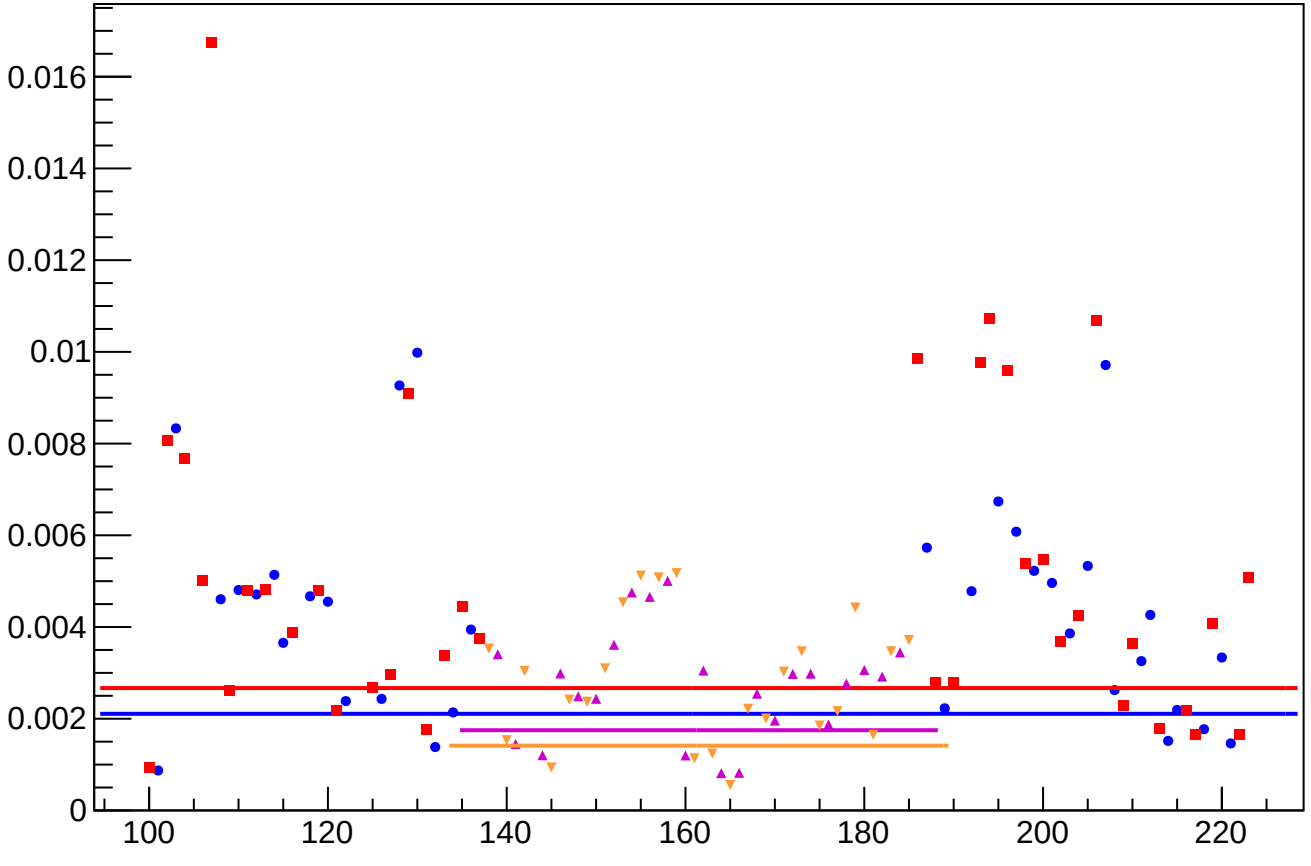
Right: 0.000+/-0.000 χ^2/NDF: 193.5/70

In: -0.000+/-0.000 χ^2/NDF:67.0/56

Out: 0.000+/-0.000 χ^2/NDF:194.3/60

All: 0.000+/-0.000 χ^2/NDF: 261.6/117

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

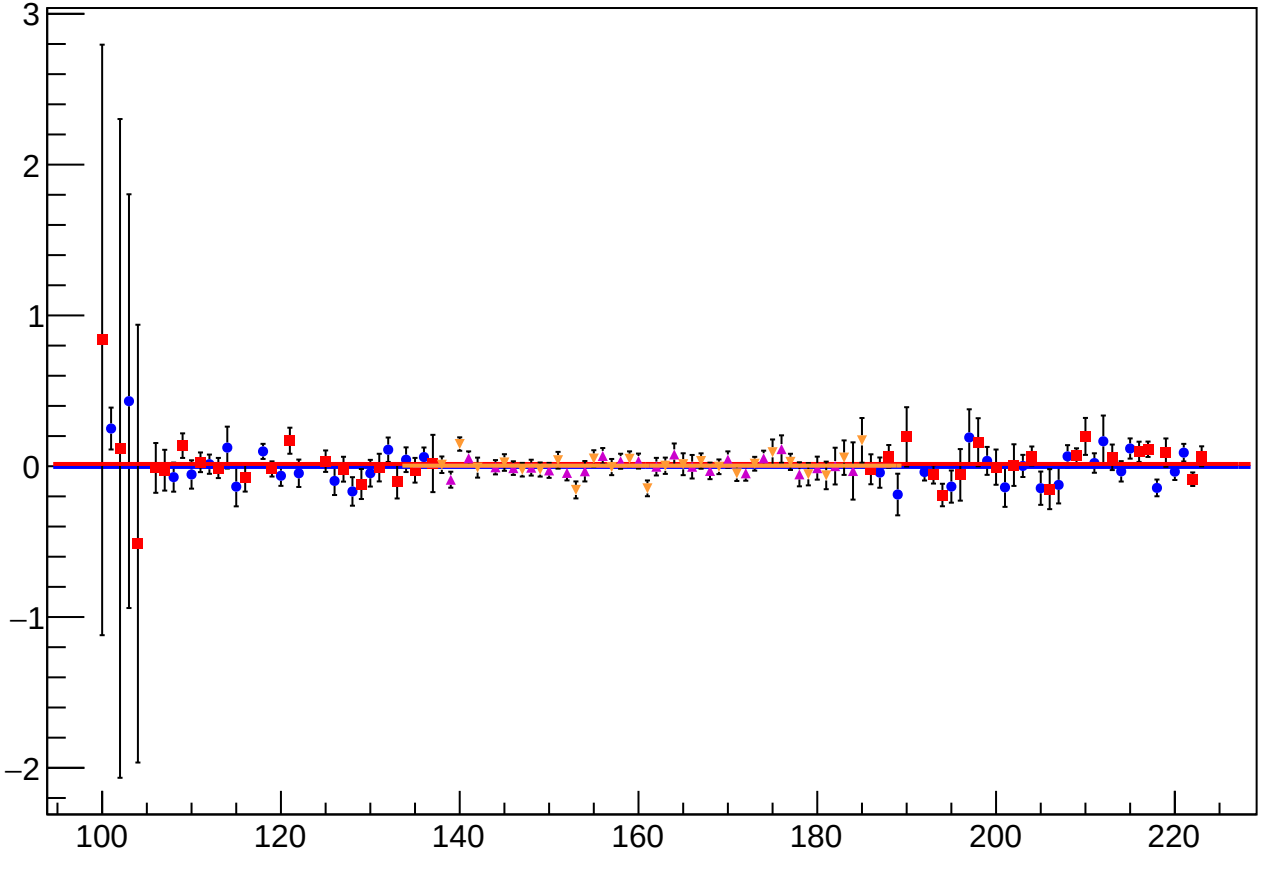
Right: 0.002+/-0.000 χ^2/NDF: 24779094.8/70

In: 0.002+/-0.000 χ^2/NDF:21717502.3/56

Out: 0.002+/-0.000 χ^2/NDF:27562712.8/60

All: 0.002+/-0.000 χ^2/NDF: 49461780.8/117

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

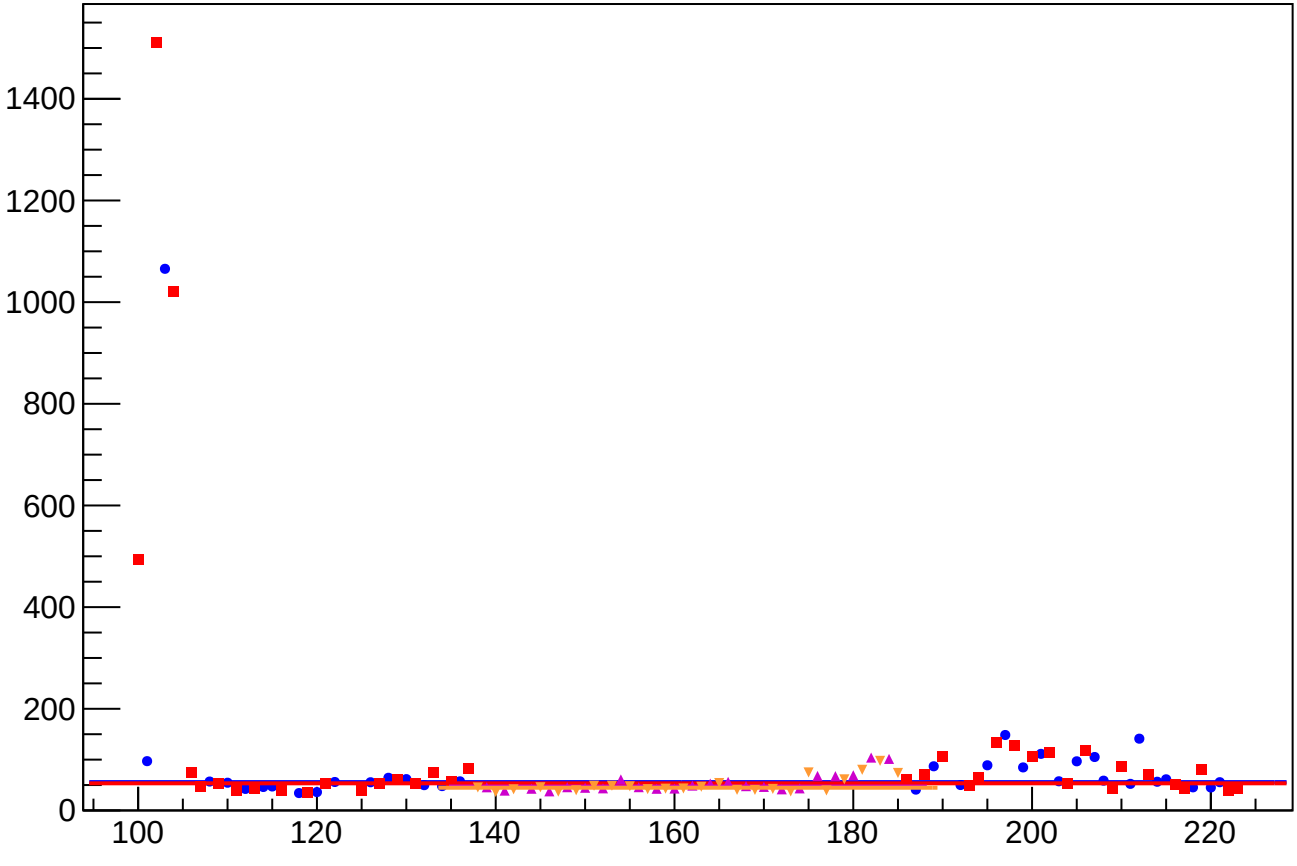
Right: 0.005+/-0.010 χ^2/NDF: 82.9/70

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.008+/-0.009 χ^2/NDF:74.9/60

All: 0.004+/-0.006 χ^2/NDF: 132.5/117

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

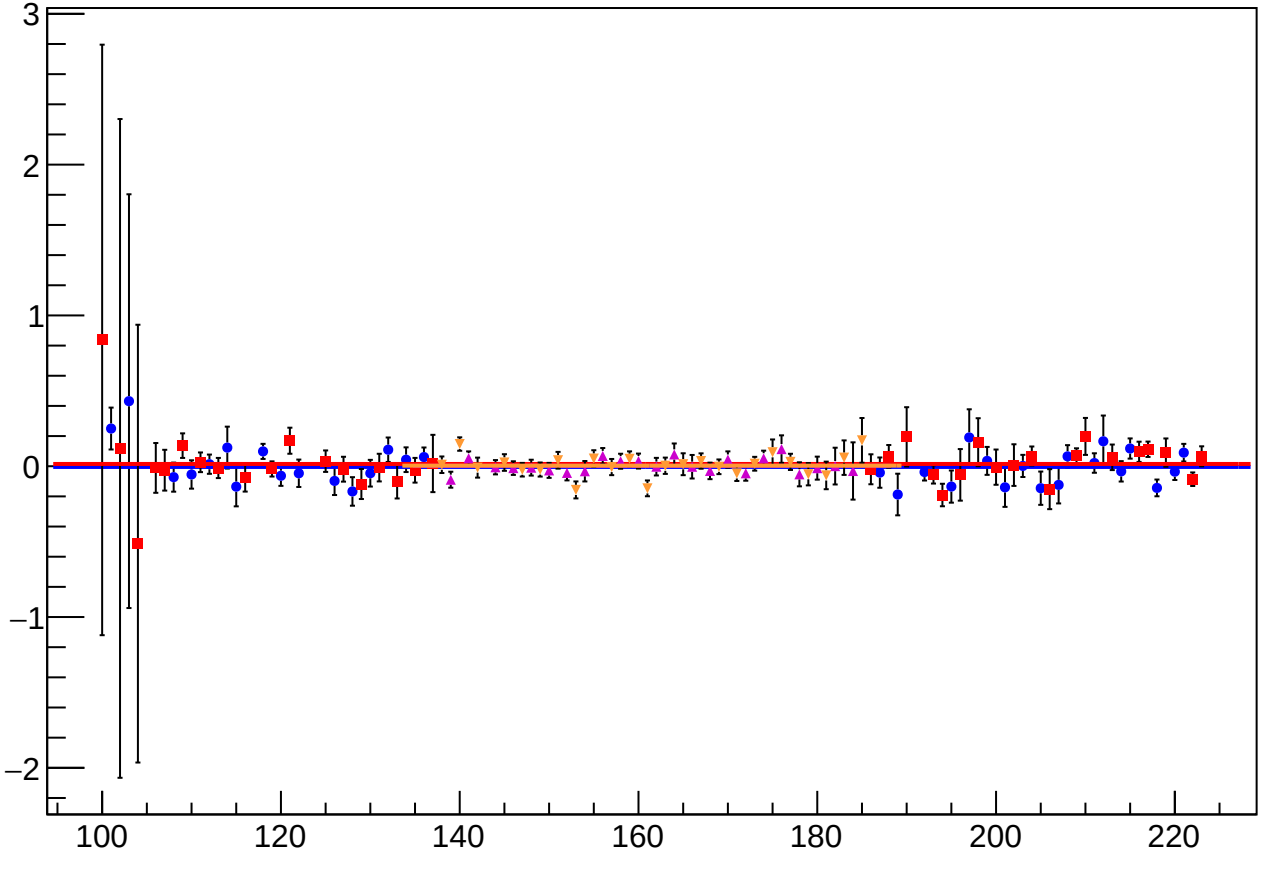
Right: 54.556+/-0.007 χ^2/NDF: 10492235.8/70

In: 50.758+/-0.006 χ^2/NDF:6483997.8/56

Out: 48.376+/-0.006 χ^2/NDF:7776446.3/60

All: 49.530+/-0.004 χ^2/NDF: 14332051.8/117

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

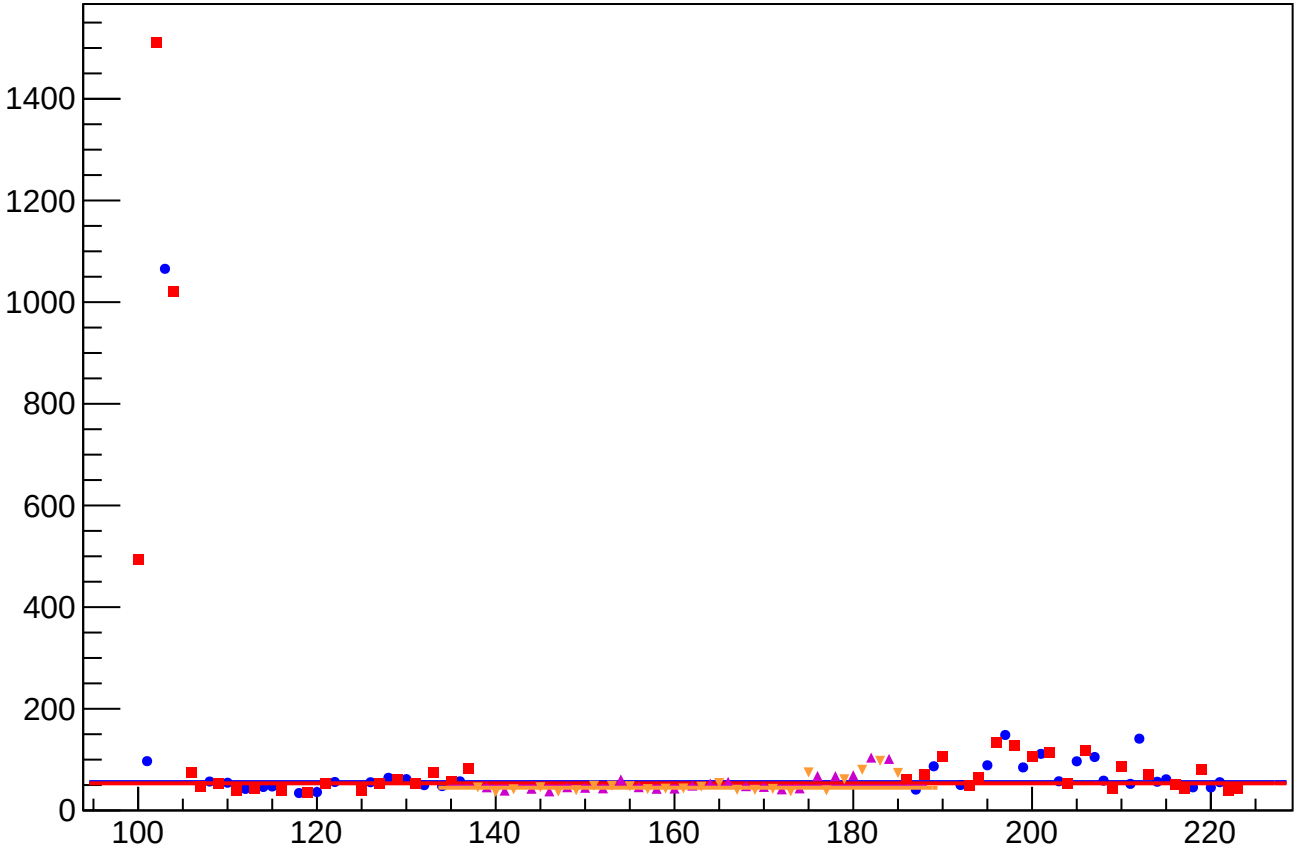
Right: 0.005+/-0.010 χ^2/NDF: 82.9/70

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.008+/-0.009 χ^2/NDF:74.9/60

All: 0.004+/-0.006 χ^2/NDF: 132.5/117

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

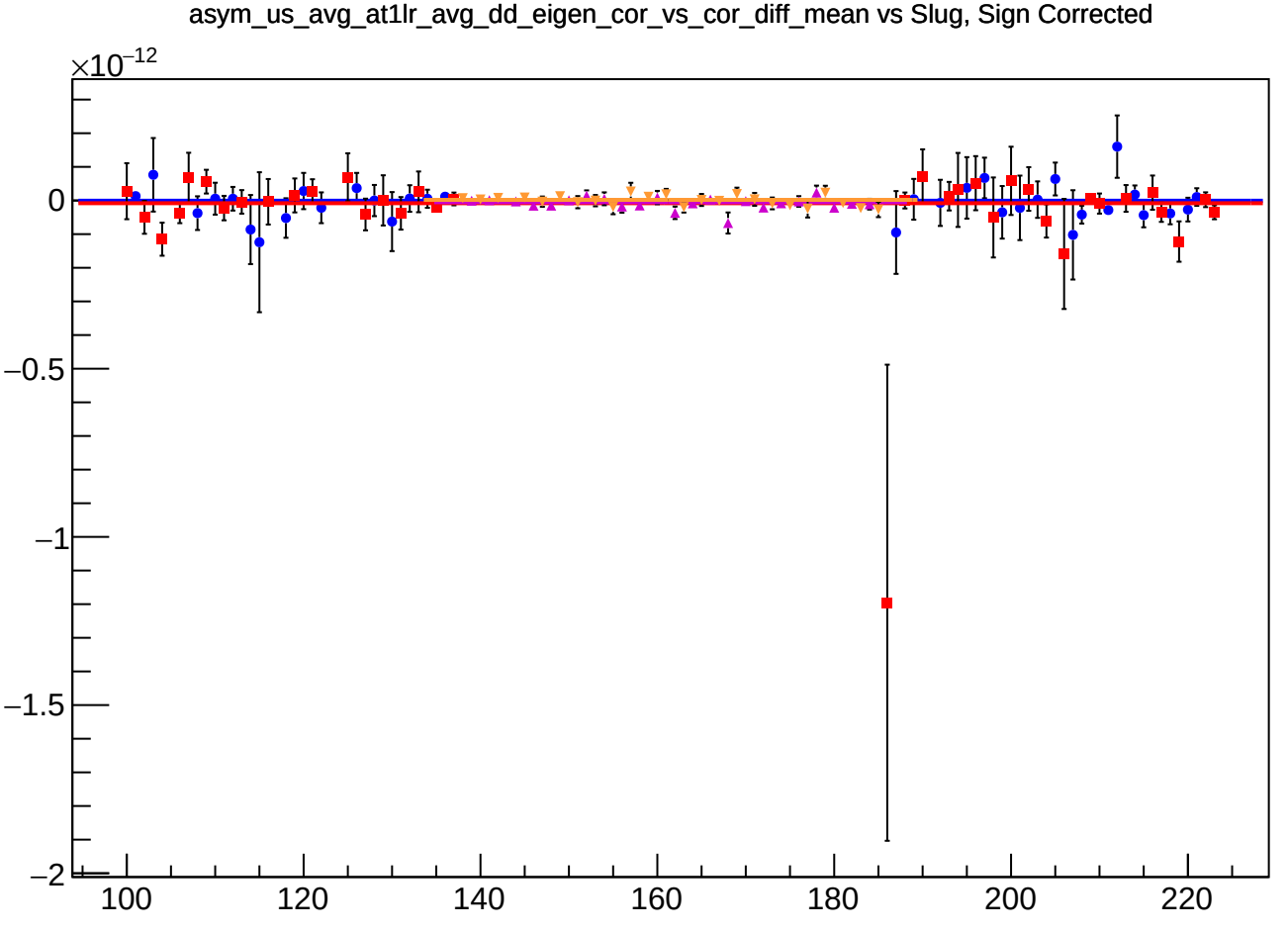
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 54.556+/-0.007 χ^2/NDF: 10492235.8/70

In: 50.758+/-0.006 χ^2/NDF:6483997.8/56

Out: 48.376+/-0.006 χ^2/NDF:7776446.3/60

All: 49.530+/-0.004 χ^2/NDF: 14332051.8/117



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

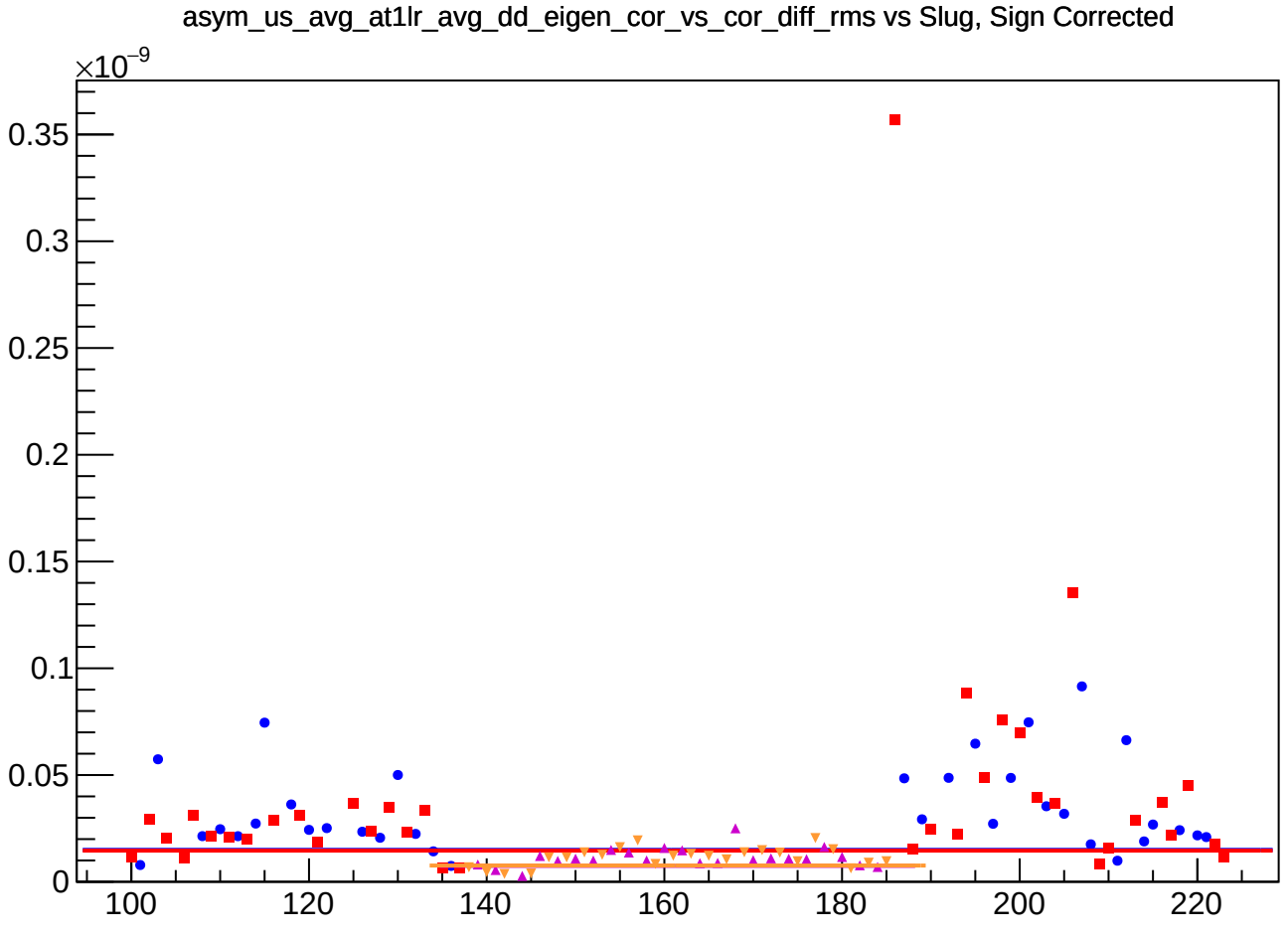
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 58.8/70

In: -0.000+/-0.000 χ^2/NDF:43.7/56

Out: 0.000+/-0.000 χ^2/NDF:56.3/60

All: -0.000+/-0.000 χ^2/NDF: 102.0/117



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

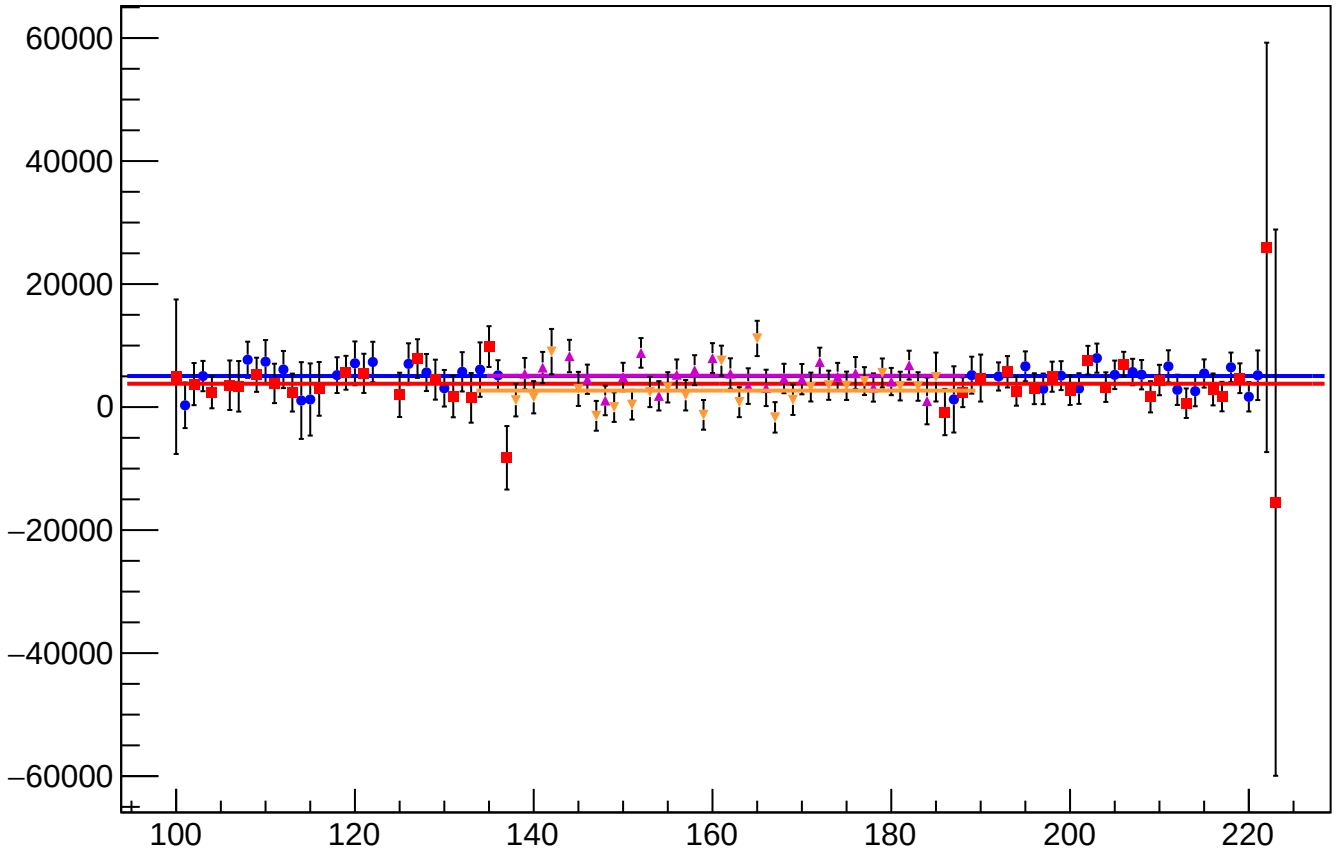
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 18394028.6/70

In: 0.000+/-0.000 χ^2/NDF:18029328.0/56

Out: 0.000+/-0.000 χ^2/NDF:18363220.4/60

All: 0.000+/-0.000 χ^2/NDF: 36395948.7/117



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

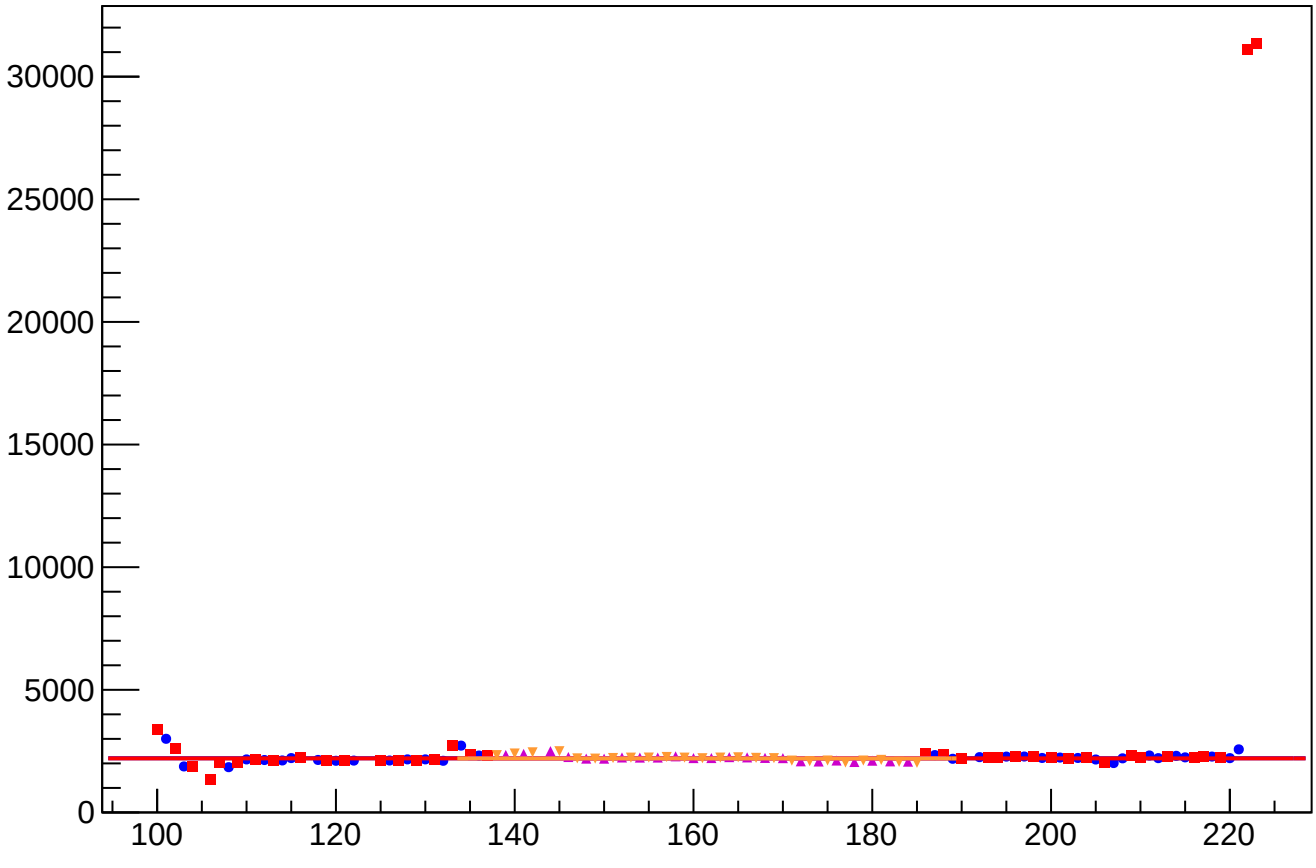
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4429.328+/-340.433 χ^2/NDF: 43.2/70

In: 5071.036+/-351.005 χ^2/NDF:29.1/56

Out: 3269.876+/-351.826 χ^2/NDF:59.0/60

All: 4172.559+/-248.488 χ^2/NDF: 101.2/117



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

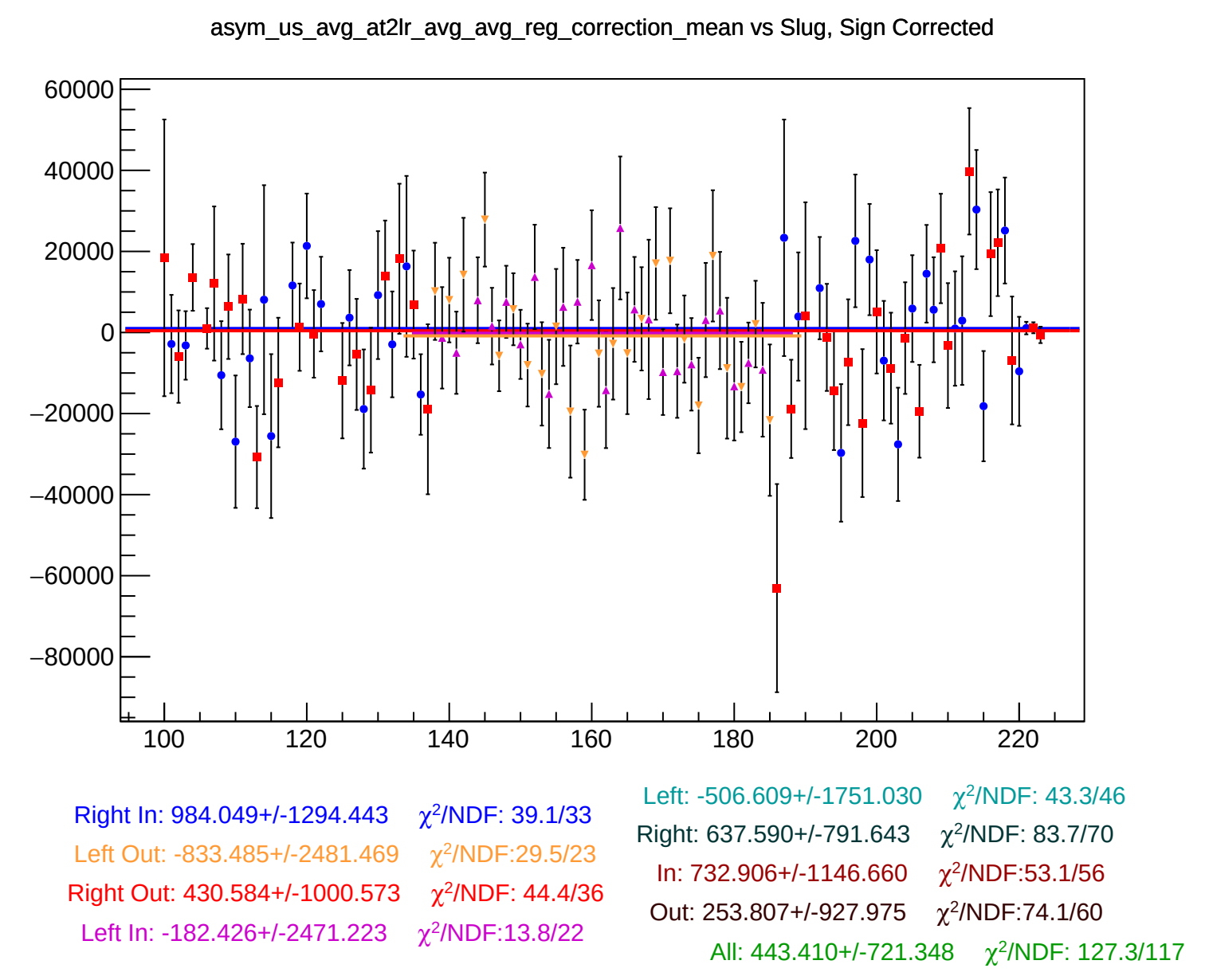
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

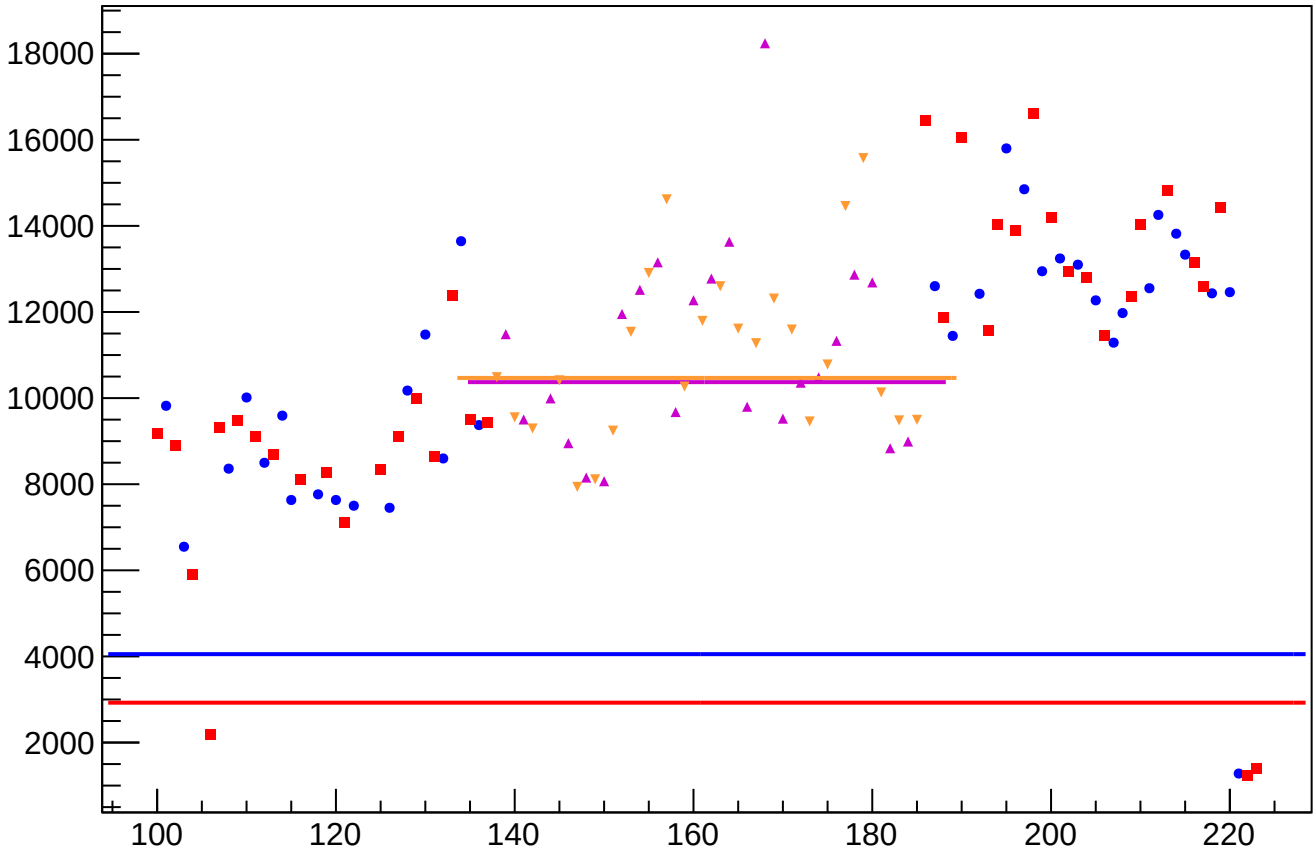
Right: 2207.676+/-0.240 χ^2/NDF: 2962269.5/70

In: 2209.616+/-0.248 χ^2/NDF:330152.7/56

Out: 2204.008+/-0.248 χ^2/NDF:2801189.7/60

All: 2206.810+/-0.175 χ^2/NDF: 3131597.9/11


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 984.049+/-1294.443 χ²/NDF: 39.1/33
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: 430.584+/-1000.573 χ²/NDF: 44.4/36
Left In: -182.426+/-2471.223 χ²/NDF:13.8/22
Left: -506.609+/-1751.030 χ²/NDF: 43.3/46
Right: 637.590+/-791.643 χ²/NDF: 83.7/70
In: 732.906+/-1146.660 χ²/NDF:53.1/56
Out: 253.807+/-927.975 χ²/NDF:74.1/60
All: 443.410+/-721.348 χ²/NDF: 127.3/117



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

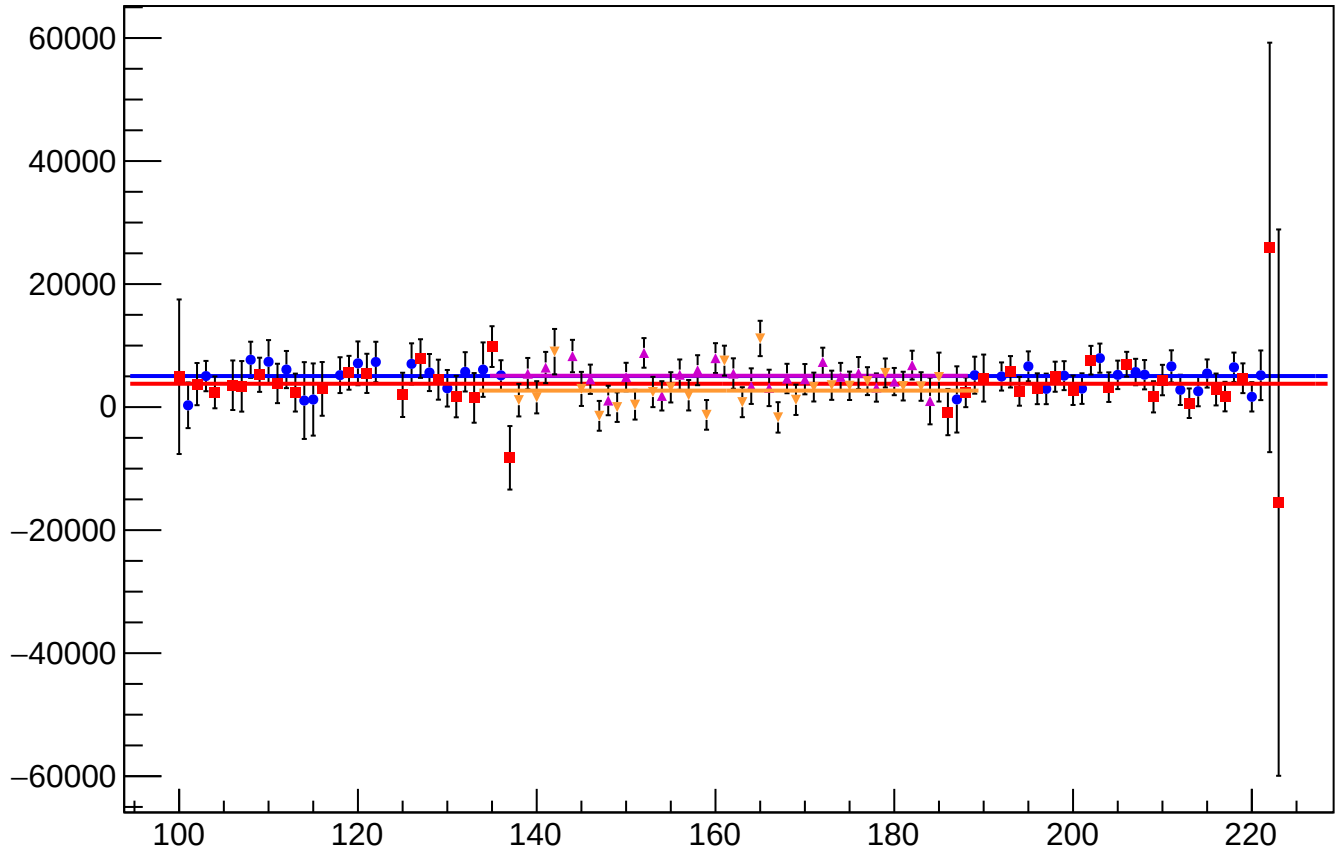
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 3347.309+/-0.560 χ^2/NDF: 51739599.0/70

In: 5413.127+/-0.811 χ^2/NDF:35096823.5/56

Out: 3980.616+/-0.656 χ^2/NDF:44096153.0/60

All: 4547.532+/-0.510 χ^2/NDF: 81079113.3/1



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

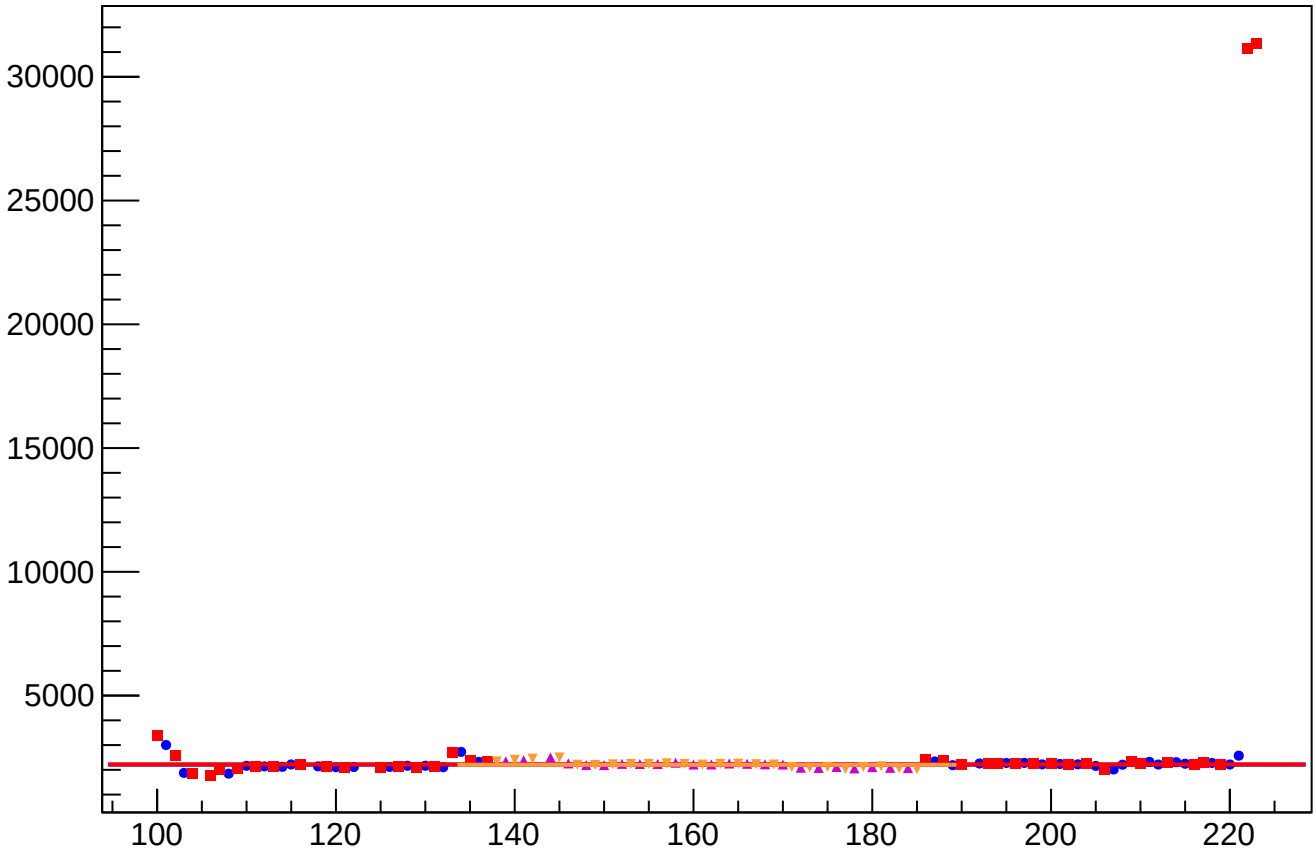
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4429.313+/-340.433 χ^2/NDF: 43.2/70

In: 5070.998+/-351.005 χ^2/NDF:29.1/56

Out: 3269.818+/-351.826 χ^2/NDF:59.0/60

All: 4172.511+/-248.488 χ^2/NDF: 101.2/117



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

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

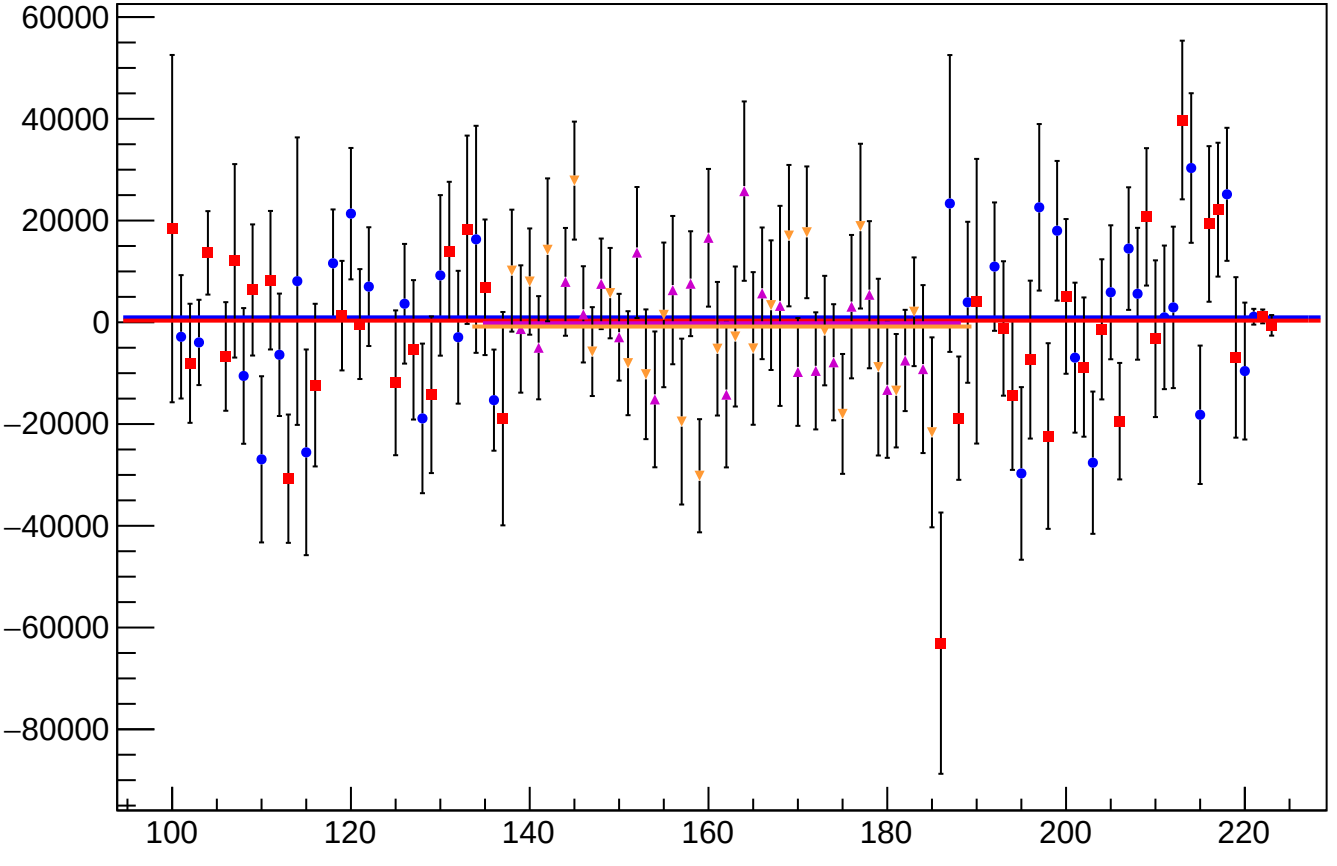
Right: 2214.583+/-0.241 χ^2/NDF: 2833309.6/70

In: 2209.616+/-0.248 χ^2/NDF:330153.1/56

Out: 2211.369+/-0.249 χ^2/NDF:2673052.0/60

All: 2210.491+/-0.176 χ^2/NDF: 3003230.1/11

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



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

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

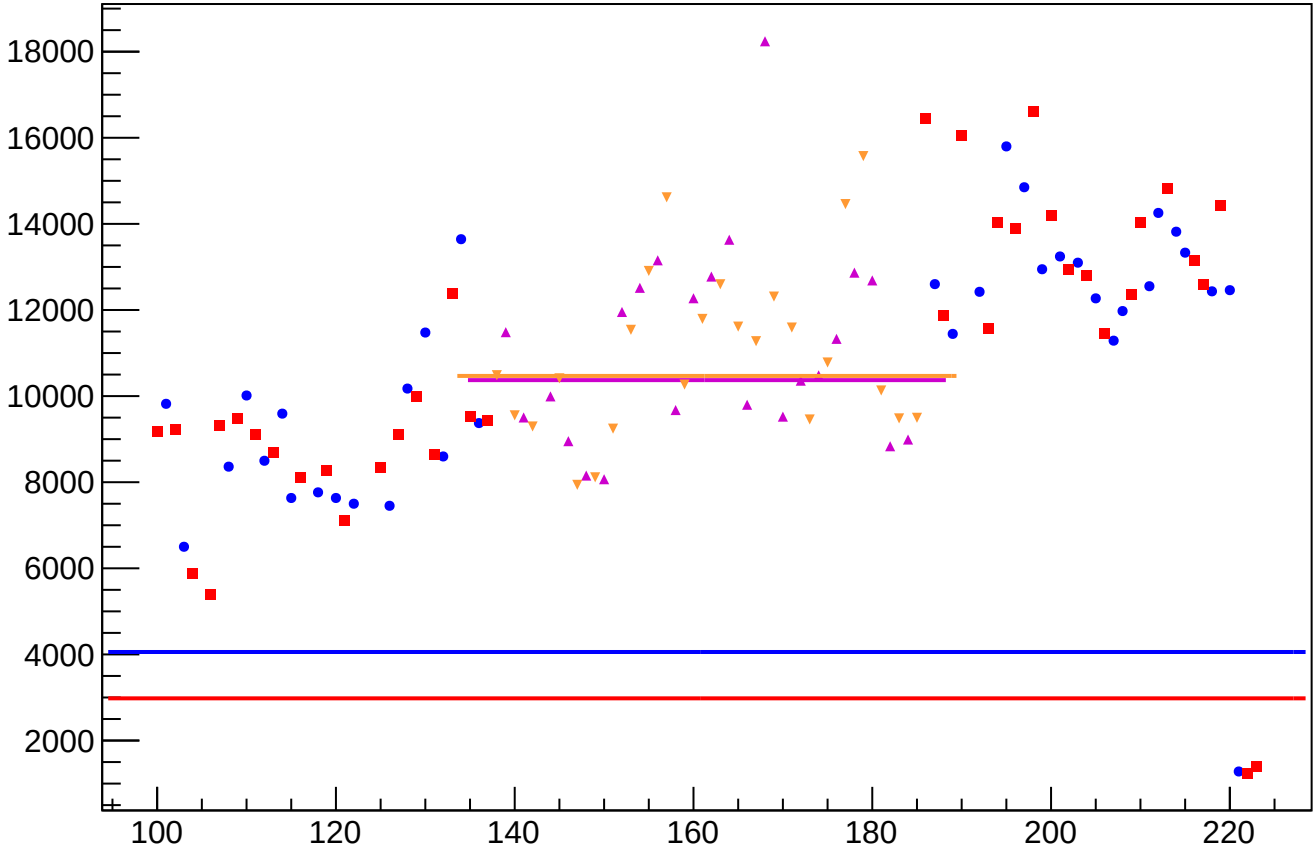
Right: 574.561+/-799.752 χ^2/NDF: 84.5/70

In: 722.799+/-1146.956 χ^2/NDF:53.2/56

Out: 162.601+/-940.948 χ^2/NDF:74.8/60

All: 387.960+/-727.467 χ^2/NDF: 128.1/117

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



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

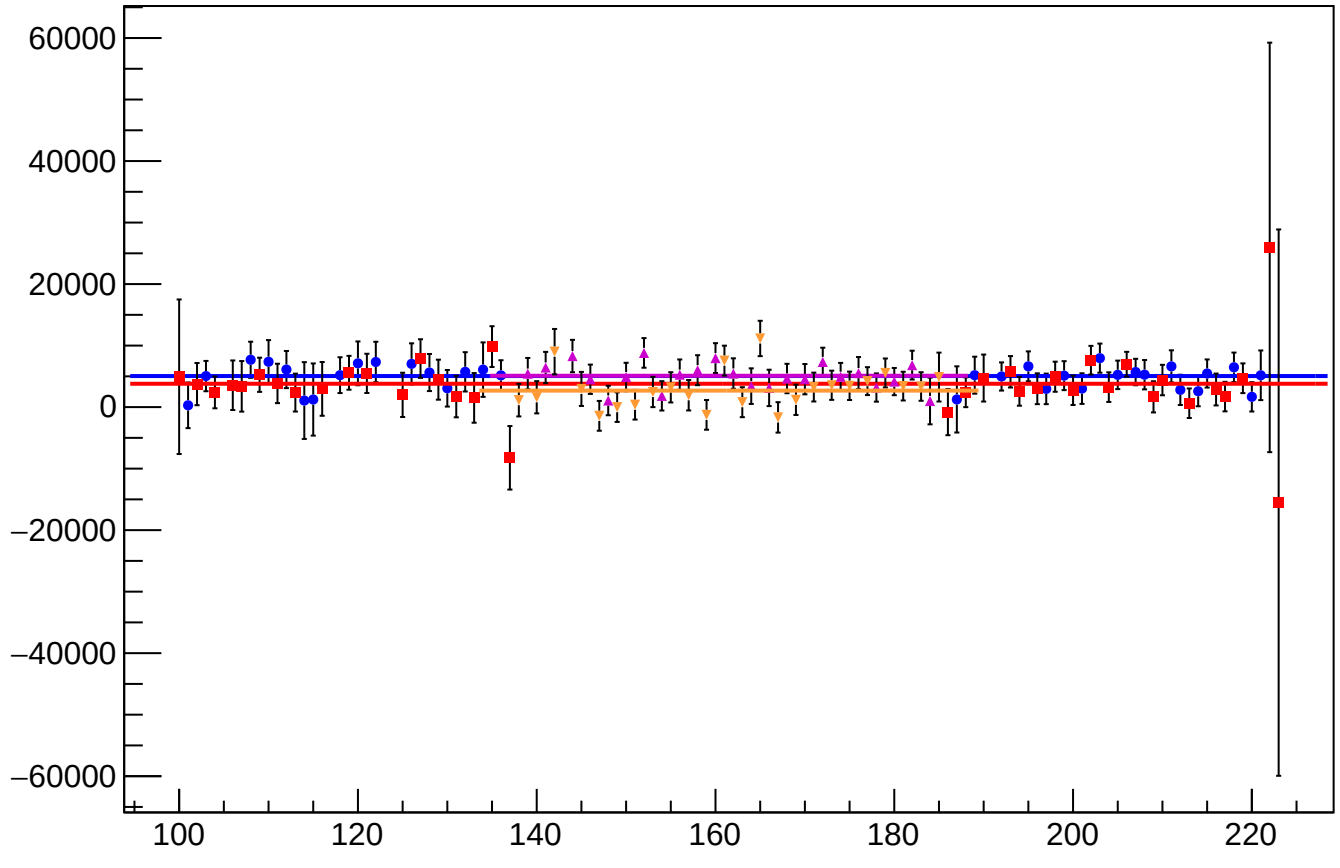
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 3390.570+/-0.566 χ^2/NDF: 51712862.4/70

In: 5416.638+/-0.811 χ^2/NDF:35063835.0/56

Out: 4056.688+/-0.665 χ^2/NDF:43884302.3/60

All: 4603.774+/-0.514 χ^2/NDF: 80628787.1/1



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

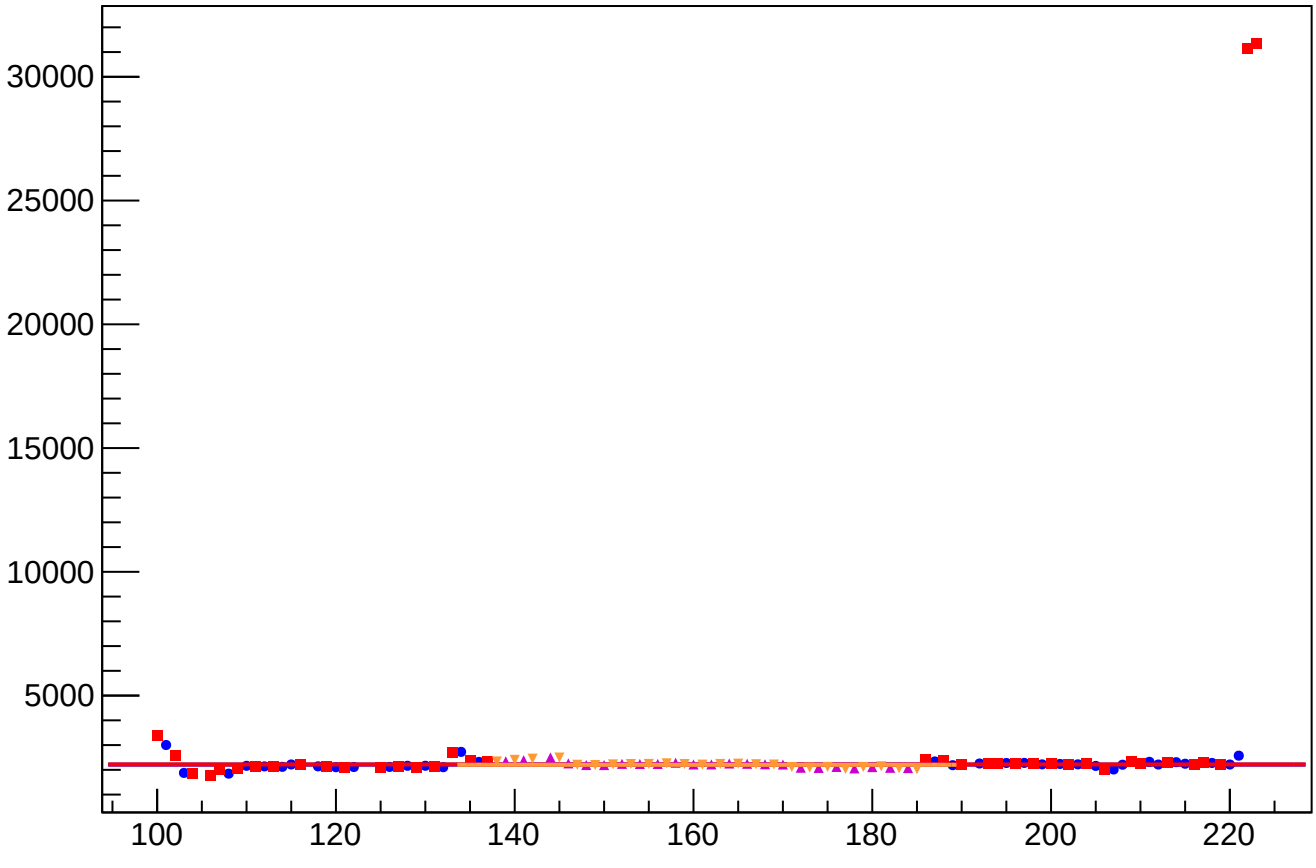
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4429.313+/-340.433 χ^2/NDF: 43.2/70

In: 5070.998+/-351.005 χ^2/NDF:29.1/56

Out: 3269.818+/-351.826 χ^2/NDF:59.0/60

All: 4172.511+/-248.488 χ^2/NDF: 101.2/117



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

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

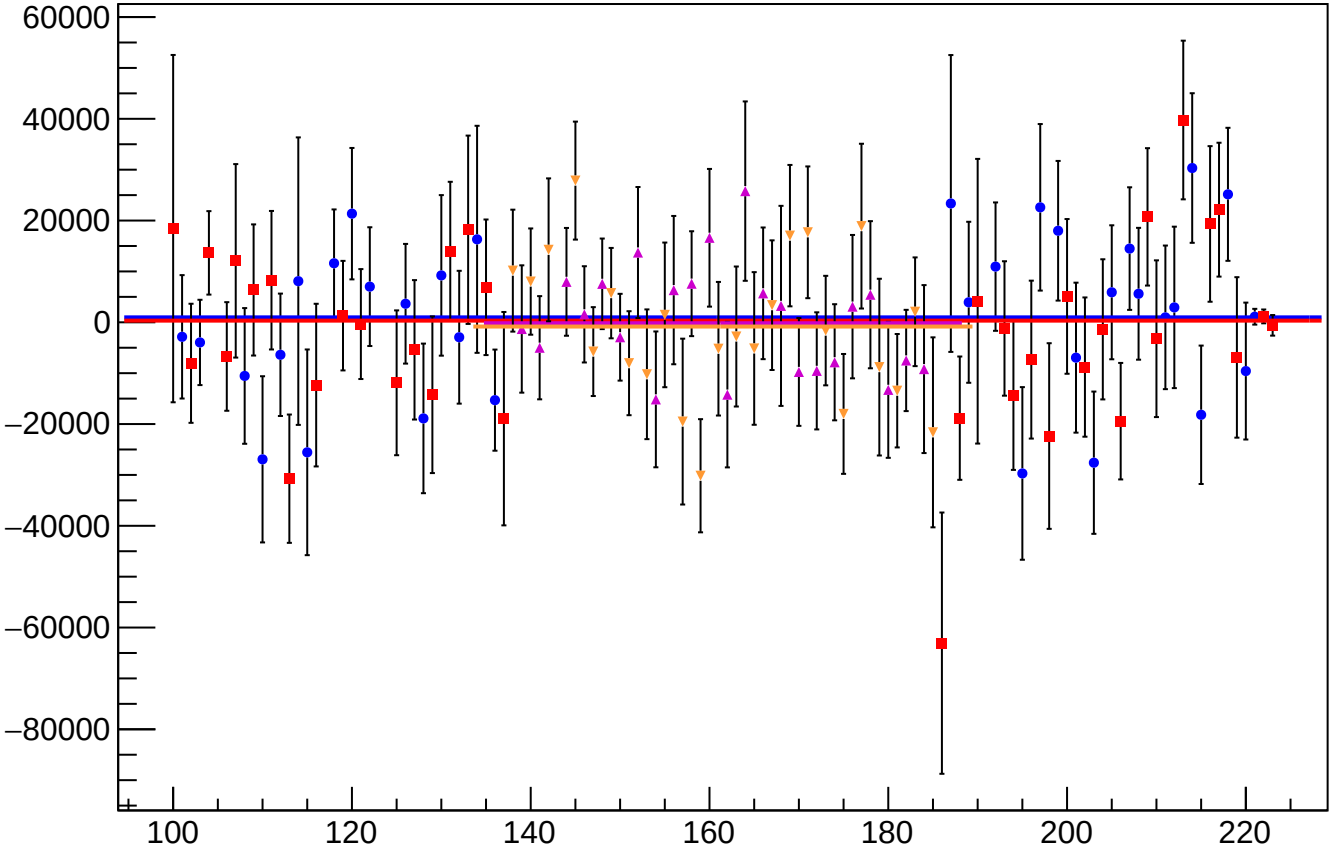
Right: 2214.583+/-0.241 χ^2/NDF: 2833309.6/70

In: 2209.616+/-0.248 χ^2/NDF:330153.1/56

Out: 2211.369+/-0.249 χ^2/NDF:2673052.0/60

All: 2210.491+/-0.176 χ^2/NDF: 3003230.1/11

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

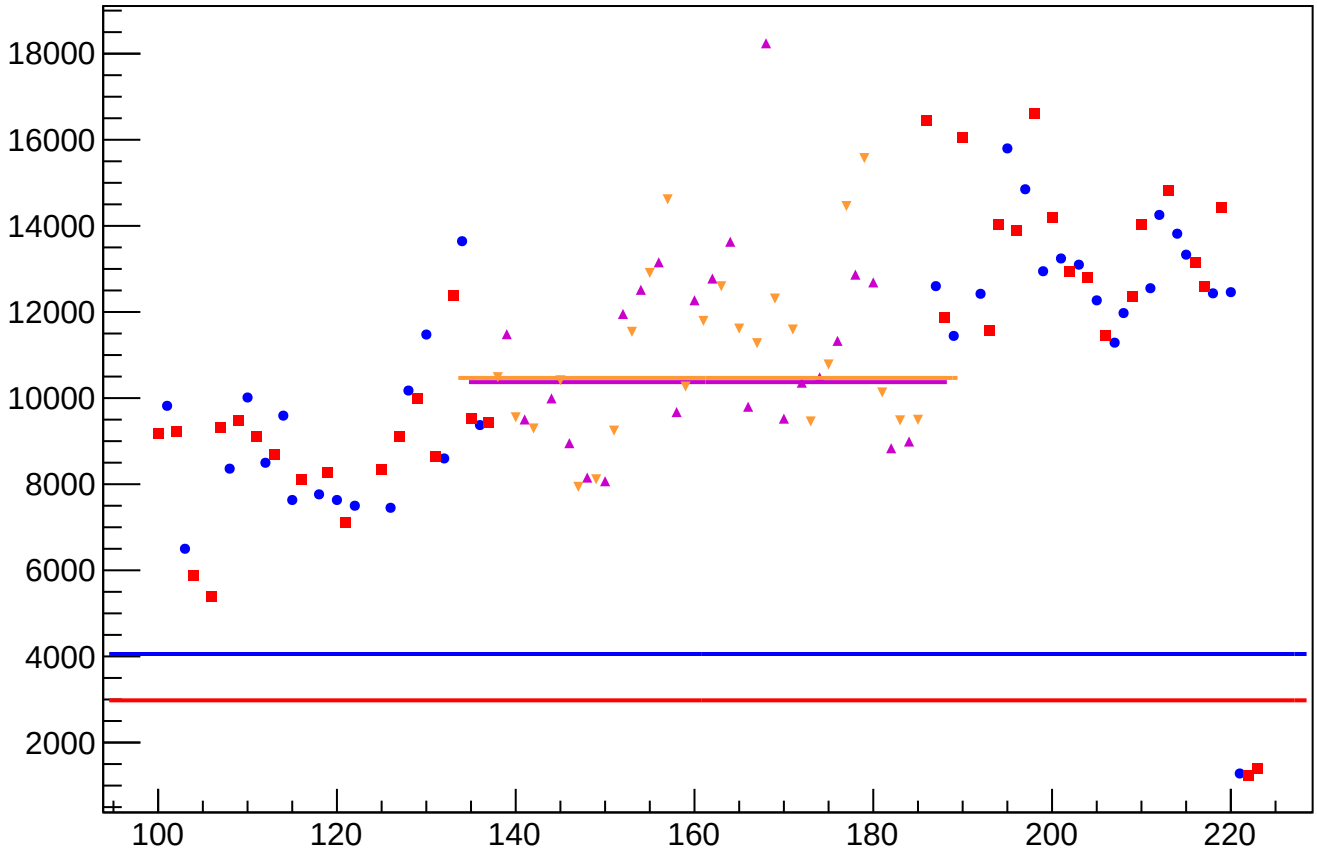
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: 574.561+/-799.752 χ^2/NDF: 84.5/70

In: 722.799+/-1146.956 χ^2/NDF:53.2/56

Out: 162.601+/-940.948 χ^2/NDF:74.8/60

All: 387.960+/-727.467 χ^2/NDF: 128.1/117



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

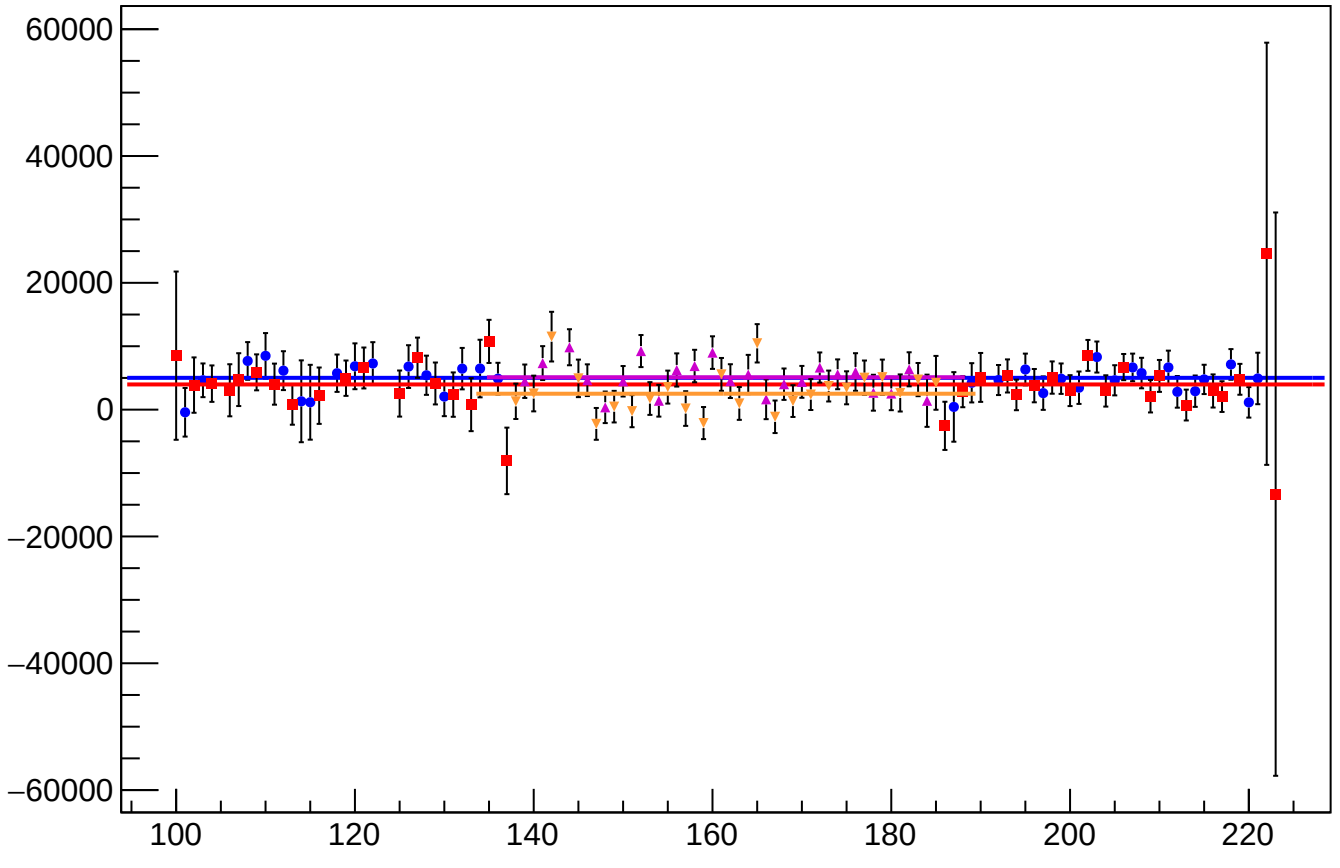
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 3390.570+/-0.566 χ^2/NDF: 51712862.4/70

In: 5416.638+/-0.811 χ^2/NDF:35063835.0/56

Out: 4056.688+/-0.665 χ^2/NDF:43884302.3/60

All: 4603.774+/-0.514 χ^2/NDF: 80628787.1/1



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

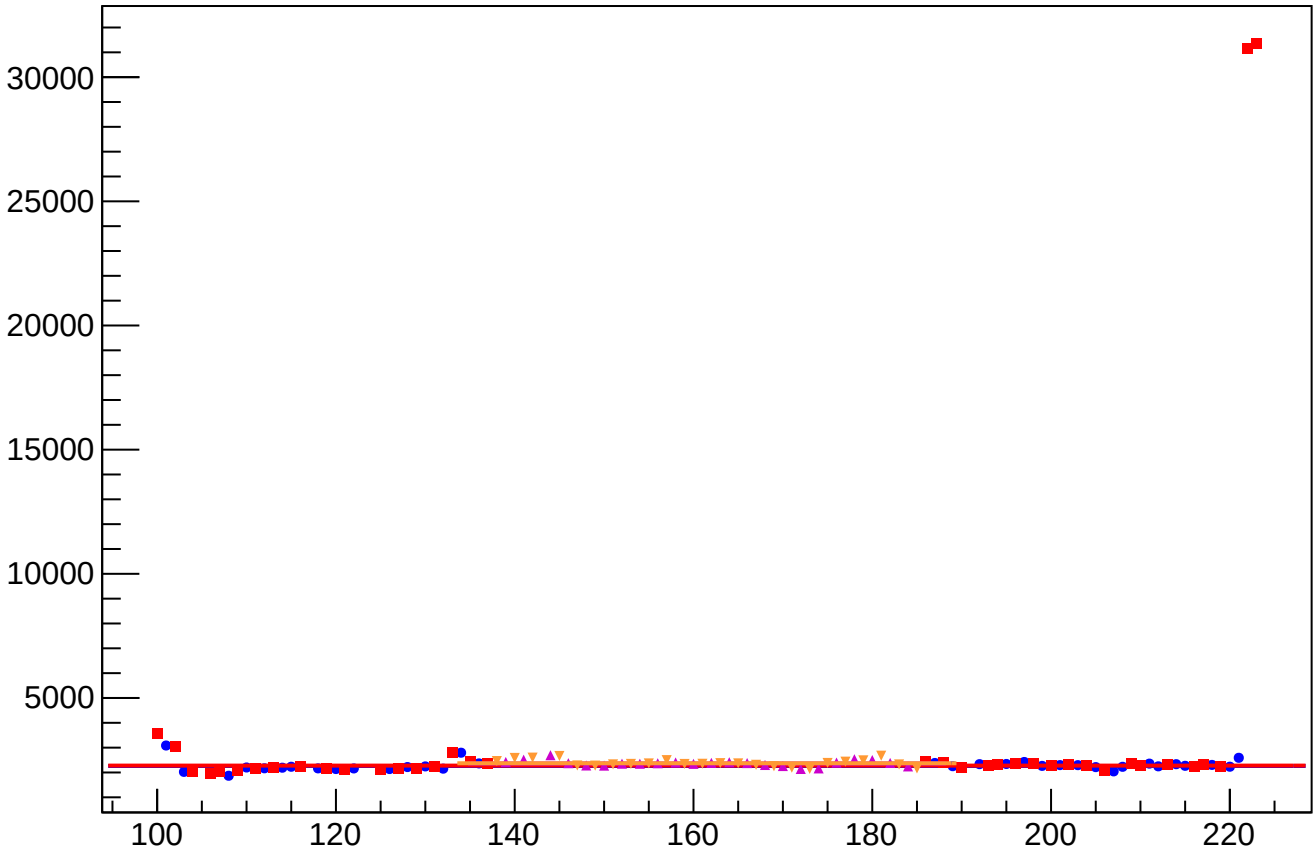
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4503.253+/-348.944 χ^2/NDF: 47.6/70

In: 5054.344+/-366.504 χ^2/NDF:36.9/56

Out: 3317.259+/-369.366 χ^2/NDF:62.1/60

All: 4192.557+/-260.163 χ^2/NDF: 110.1/117



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

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

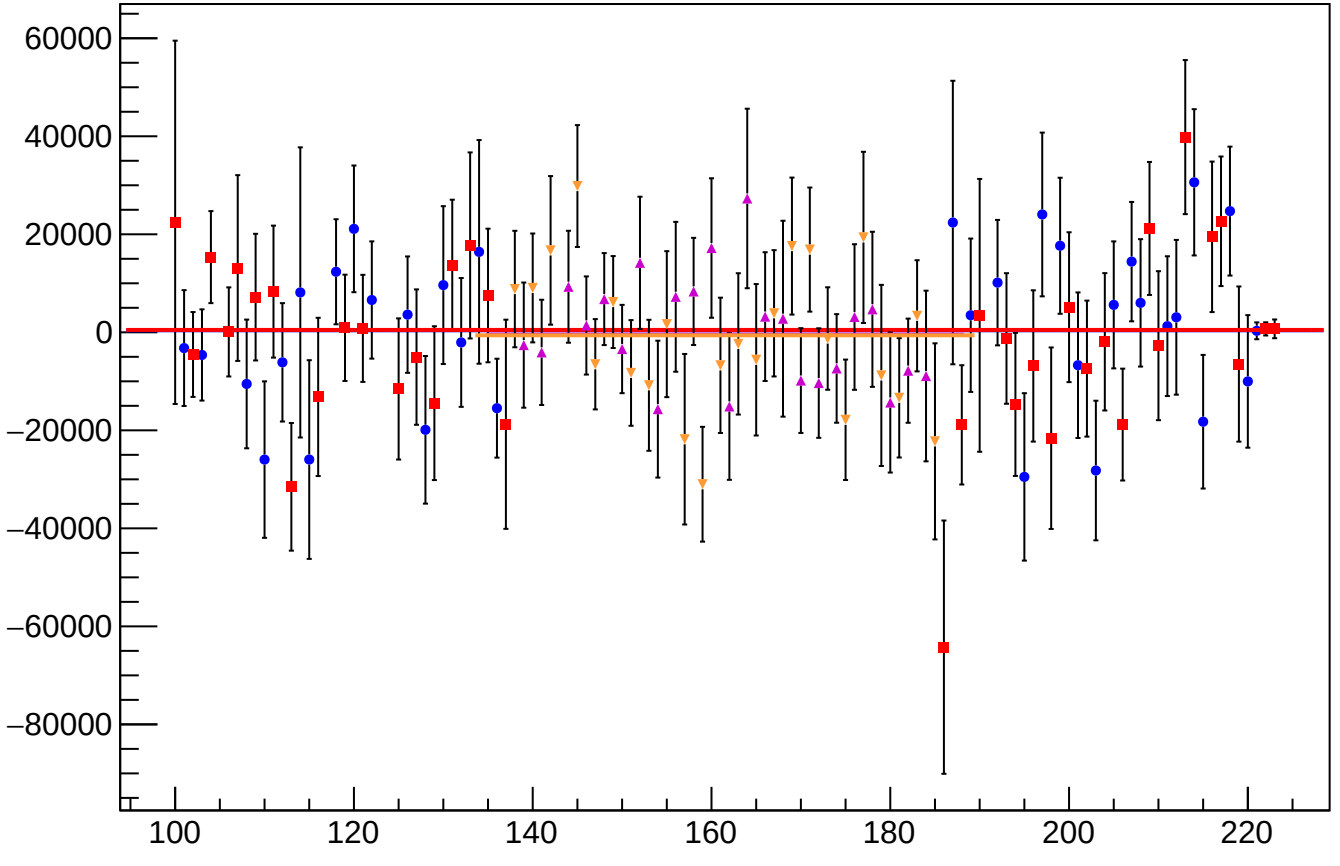
Right: 2268.861+/-0.247 χ^2/NDF: 2818412.3/70

In: 2305.624+/-0.259 χ^2/NDF:370636.7/56

Out: 2319.082+/-0.261 χ^2/NDF:2724707.7/60

All: 2312.302+/-0.184 χ^2/NDF: 3096682.5/11

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



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

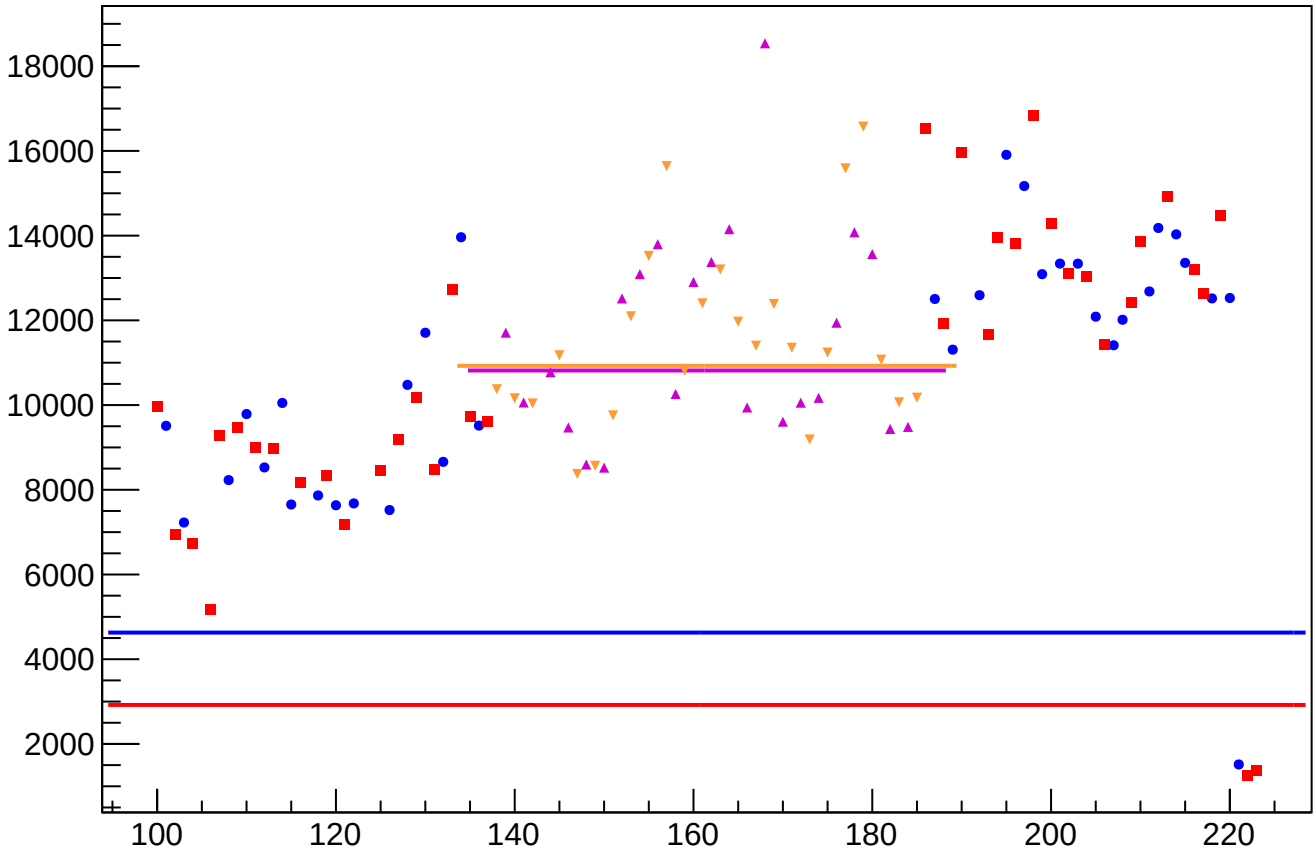
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: 461.649+/-808.880 χ^2/NDF: 82.7/70

In: 208.594+/-1226.815 χ^2/NDF:52.6/56

Out: 345.925+/-927.038 χ^2/NDF:72.8/60

All: 296.010+/-739.621 χ^2/NDF: 125.3/117



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

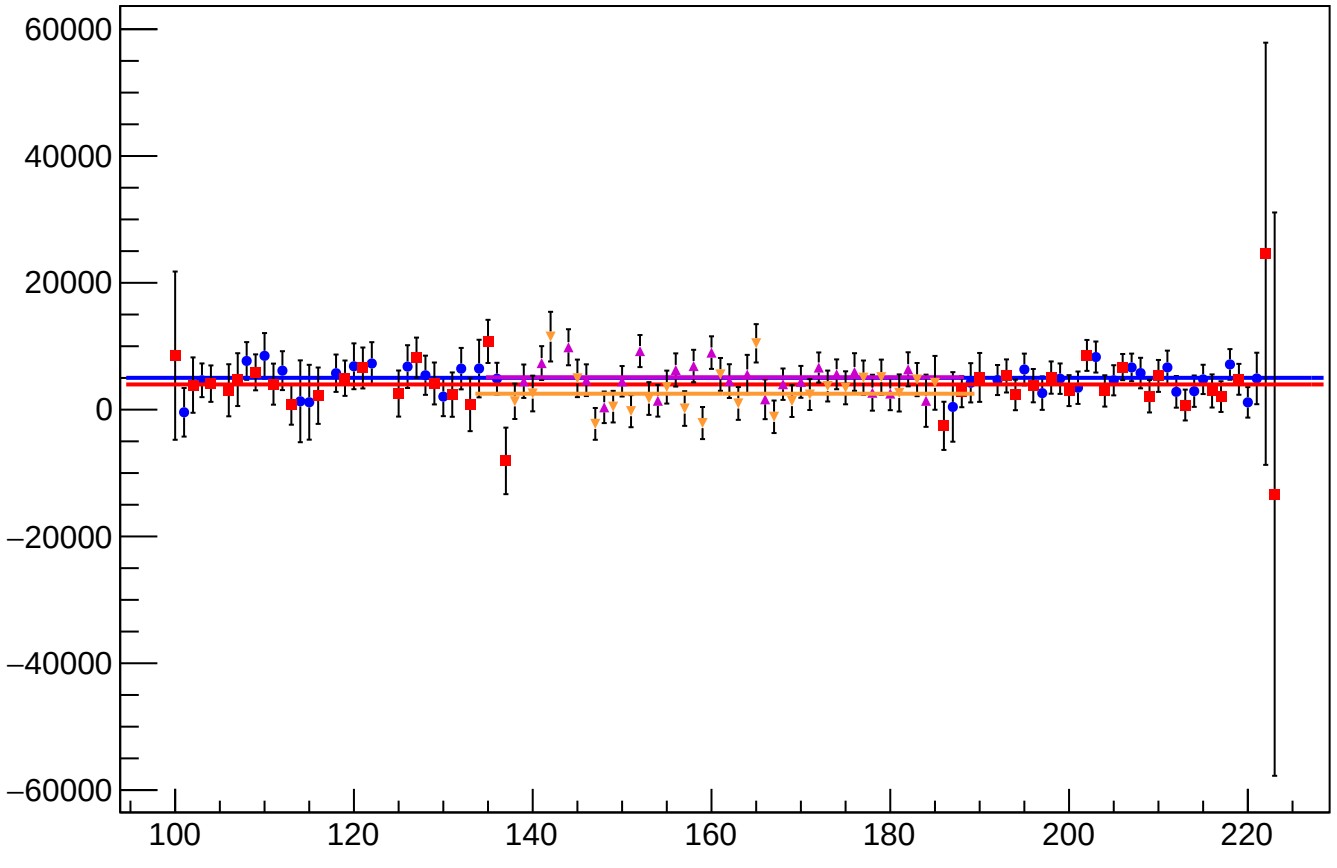
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 3494.714+/-0.572 χ^2/NDF: 50870499.8/70

In: 6030.985+/-0.867 χ^2/NDF:31522555.9/56

Out: 3946.047+/-0.656 χ^2/NDF:45191203.8/60

All: 4703.846+/-0.523 χ^2/NDF: 80390657.7/



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

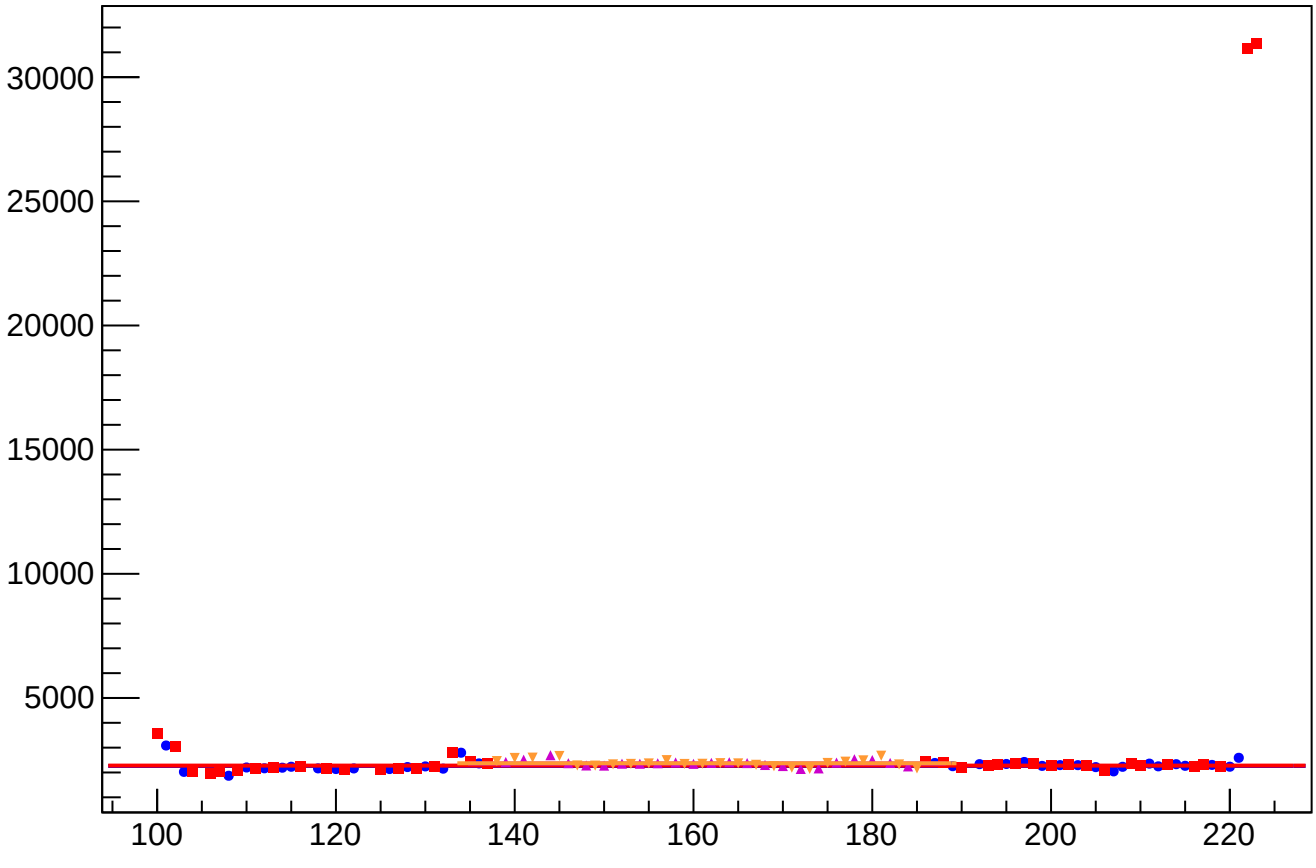
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4503.249+/-348.944 χ^2/NDF: 47.6/70

In: 5054.341+/-366.504 χ^2/NDF:36.9/56

Out: 3317.254+/-369.366 χ^2/NDF:62.1/60

All: 4192.554+/-260.164 χ^2/NDF: 110.1/117



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

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

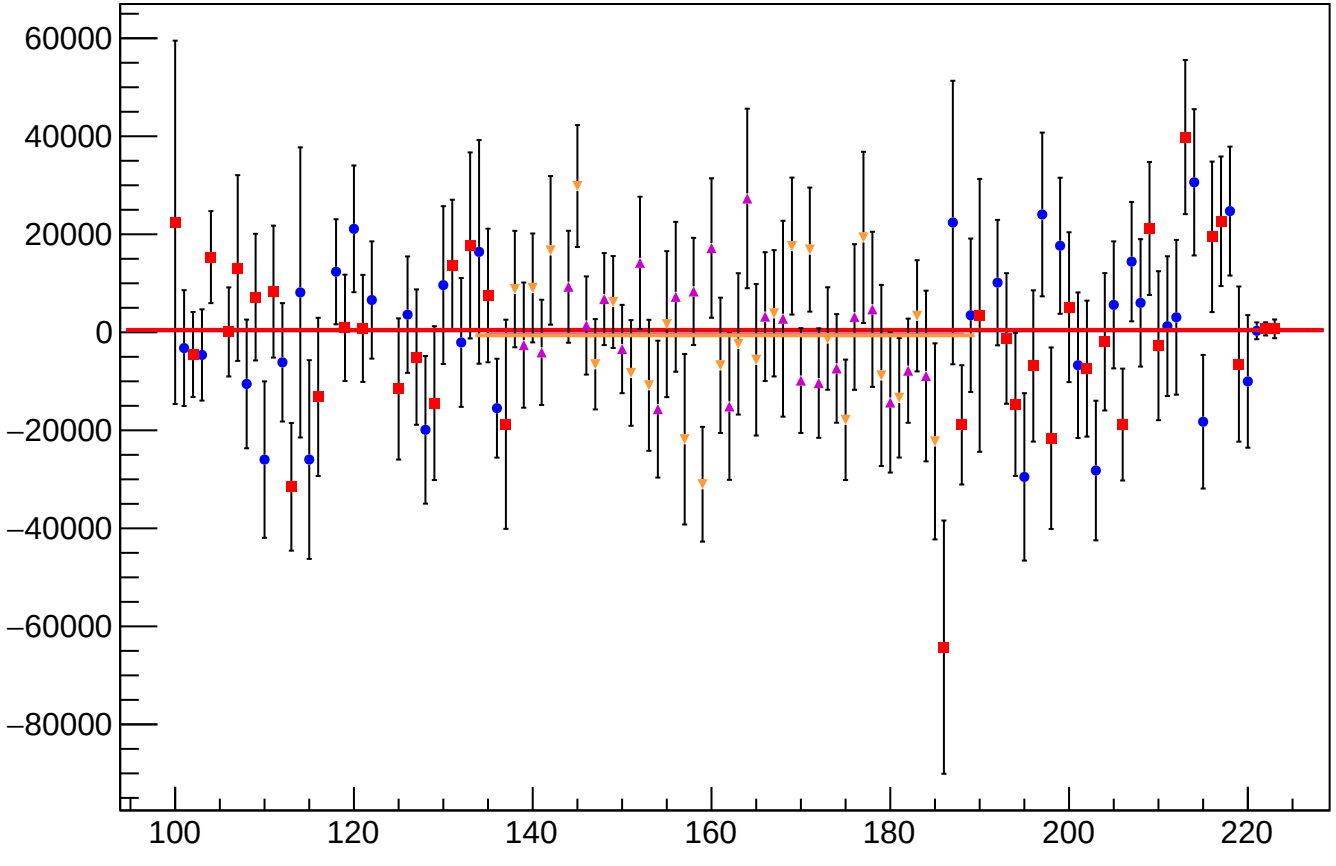
Right: 2268.861+/-0.247 χ^2/NDF: 2818413.2/70

In: 2305.625+/-0.259 χ^2/NDF:370644.2/56

Out: 2319.084+/-0.261 χ^2/NDF:2724714.7/60

All: 2312.303+/-0.184 χ^2/NDF: 3096697.0/11

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

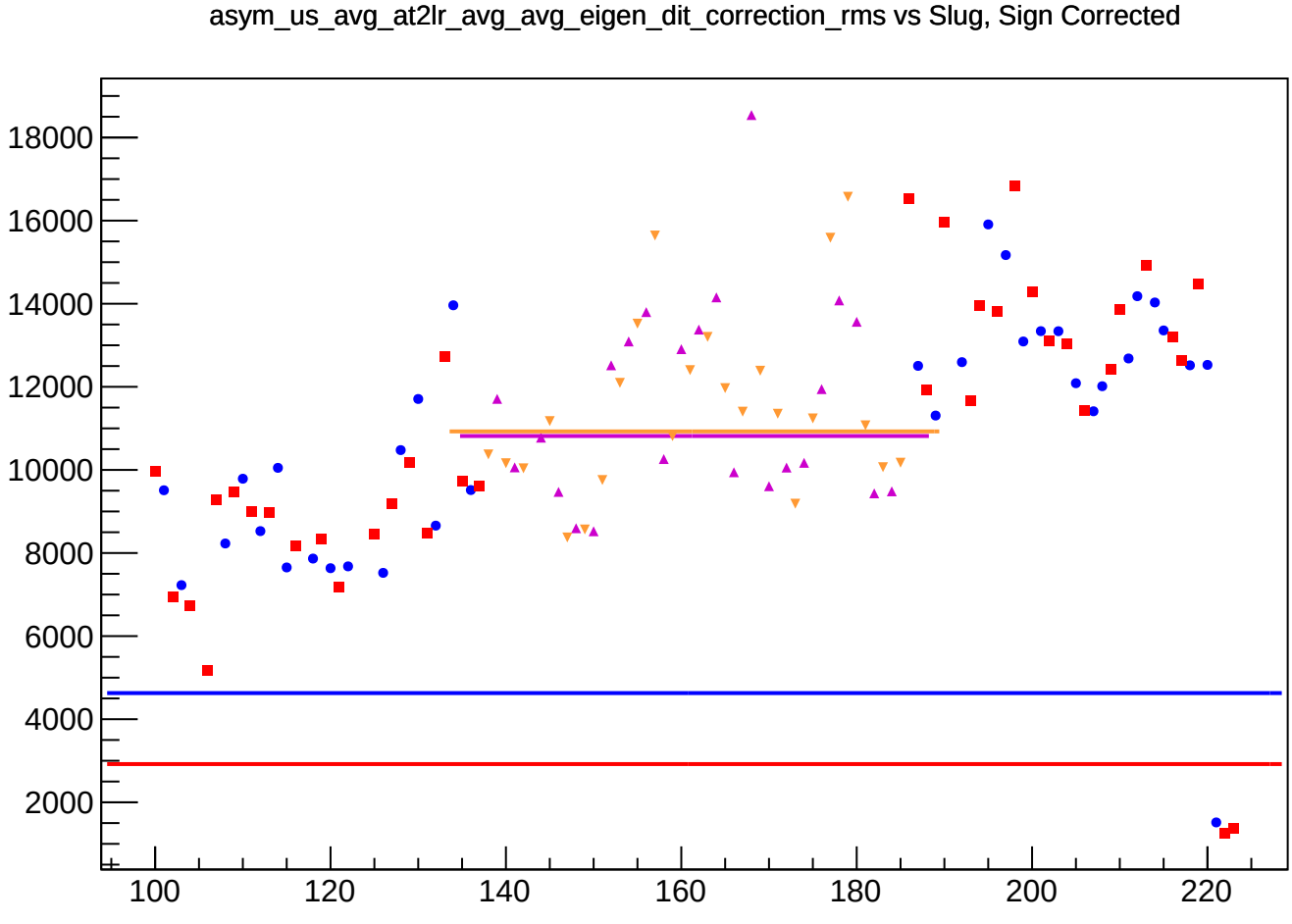
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

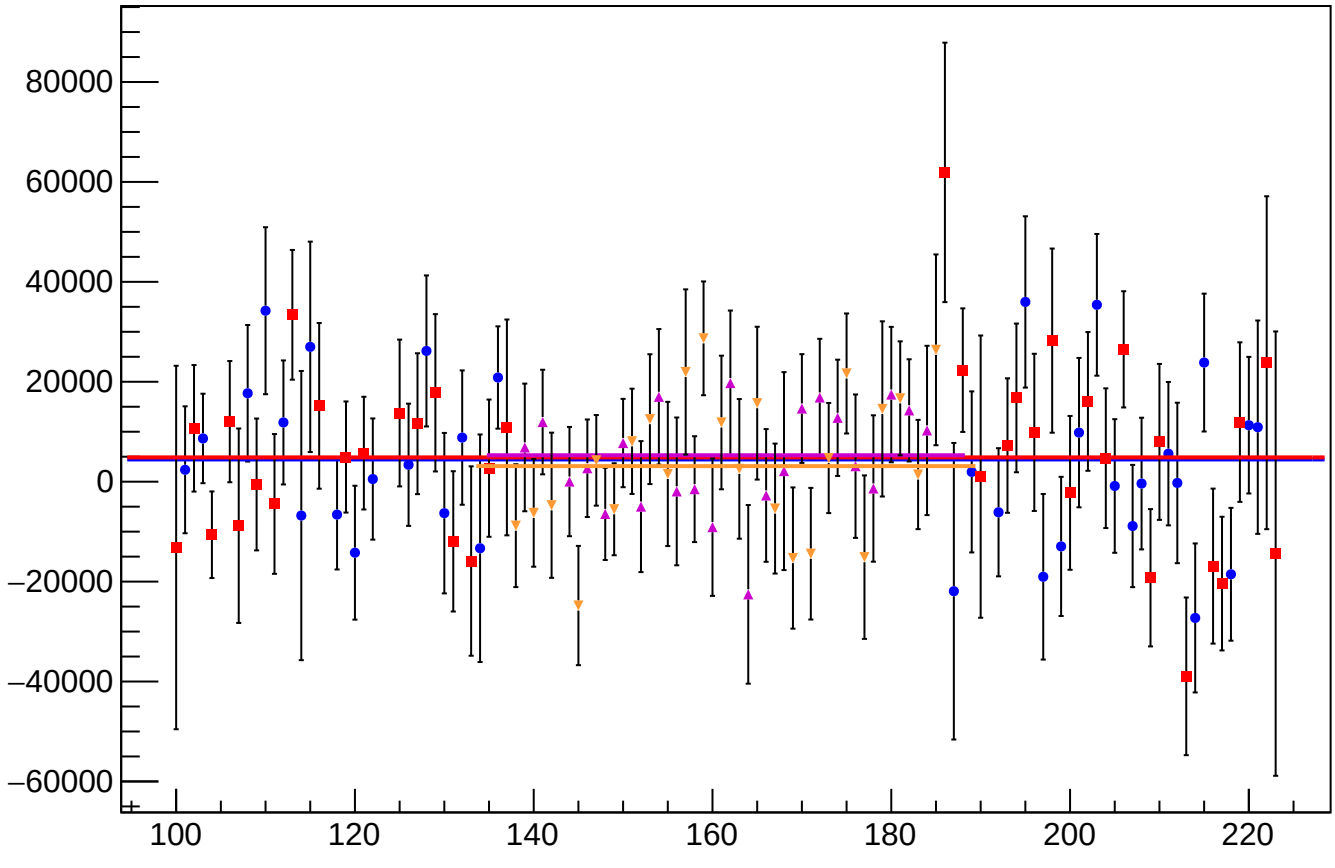
Right: 461.647+/-808.880 χ^2/NDF: 82.7/70

In: 208.590+/-1226.814 χ^2/NDF:52.6/56

Out: 345.923+/-927.040 χ^2/NDF:72.8/60

All: 296.007+/-739.622 χ^2/NDF: 125.3/117


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4628.926+/-0.986 χ²/NDF: 21410191.6/33
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 2920.229+/-0.702 χ²/NDF: 27468520.2/36
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 3494.717+/-0.572 χ²/NDF: 50870465.3/70
In: 6030.979+/-0.867 χ²/NDF:31522630.1/56
Out: 3946.054+/-0.656 χ²/NDF:45191170.1/60
All: 4703.850+/-0.523 χ²/NDF: 80390650.6/



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

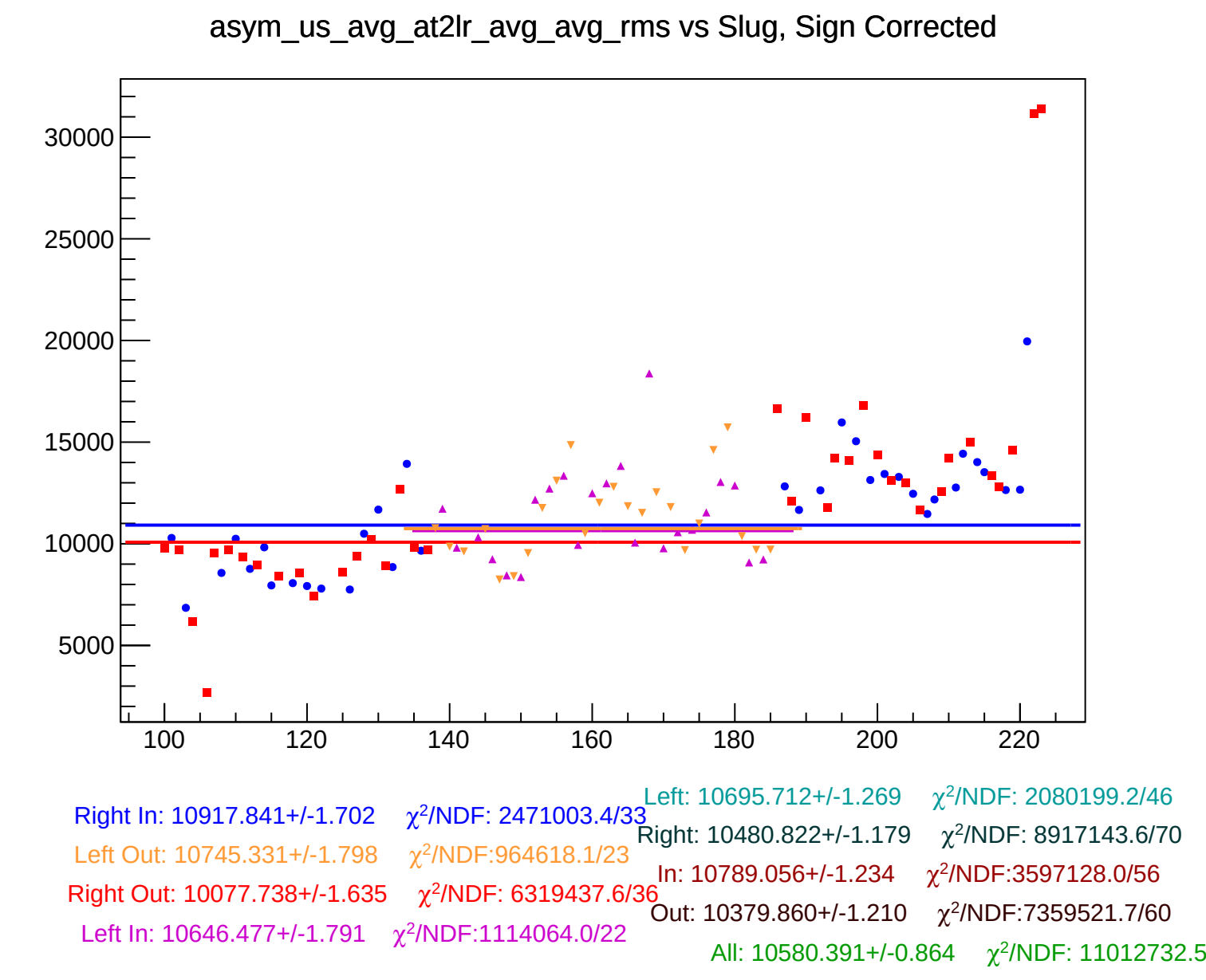
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

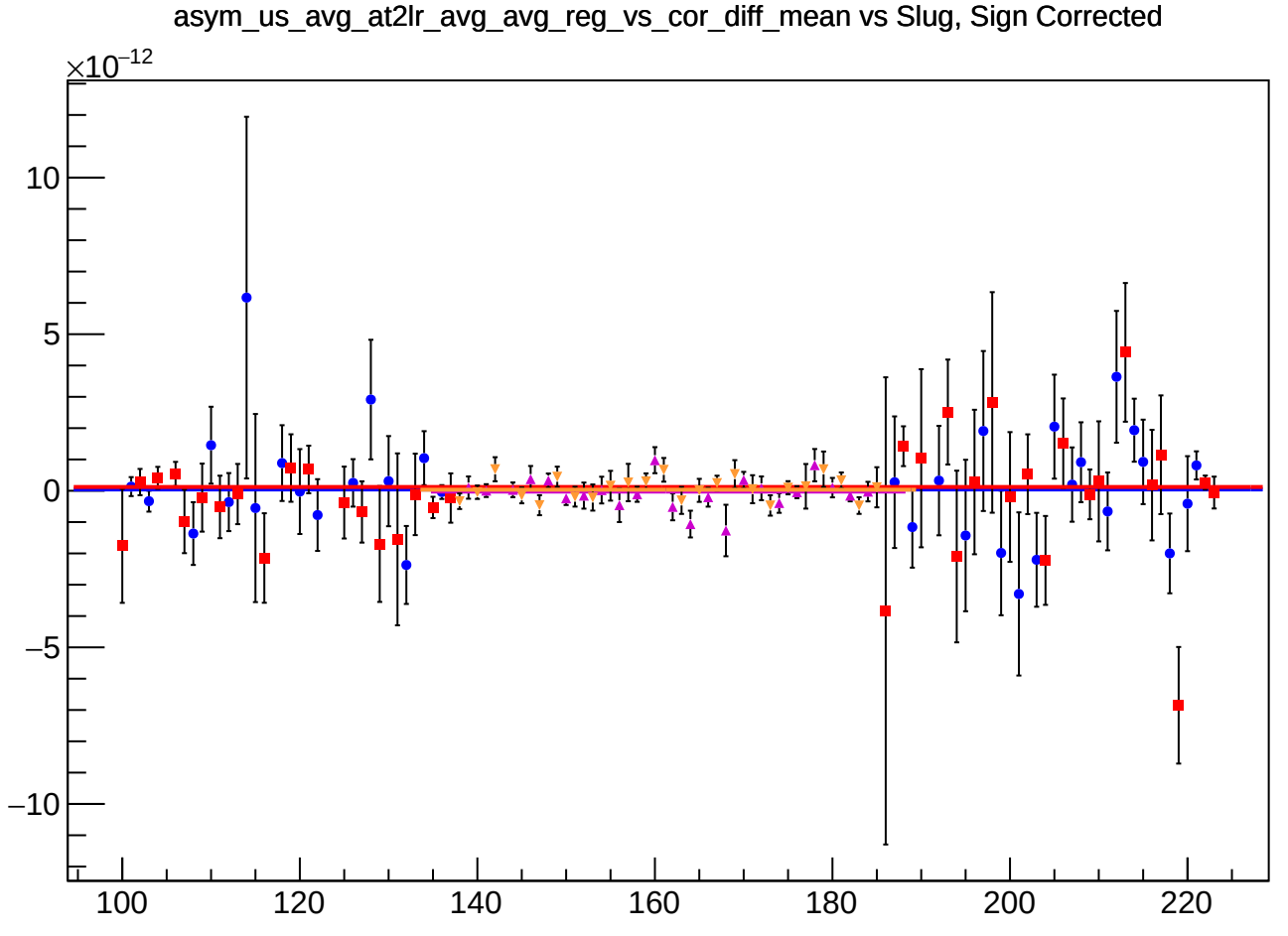
Right: 4655.999+/-1704.104 χ^2/NDF: 84.6/70

In: 4850.035+/-1744.986 χ^2/NDF:53.0/56

Out: 4035.788+/-1750.196 χ^2/NDF:72.6/60

All: 4444.125+/-1235.729 χ^2/NDF: 125.7/117


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 10917.841+/-1.702 χ²/NDF: 2471003.4/33
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 10077.738+/-1.635 χ²/NDF: 6319437.6/36
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 10480.822+/-1.179 χ²/NDF: 8917143.6/70
In: 10789.056+/-1.234 χ²/NDF:3597128.0/56
Out: 10379.860+/-1.210 χ²/NDF:7359521.7/60
All: 10580.391+/-0.864 χ²/NDF: 11012732.5



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

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

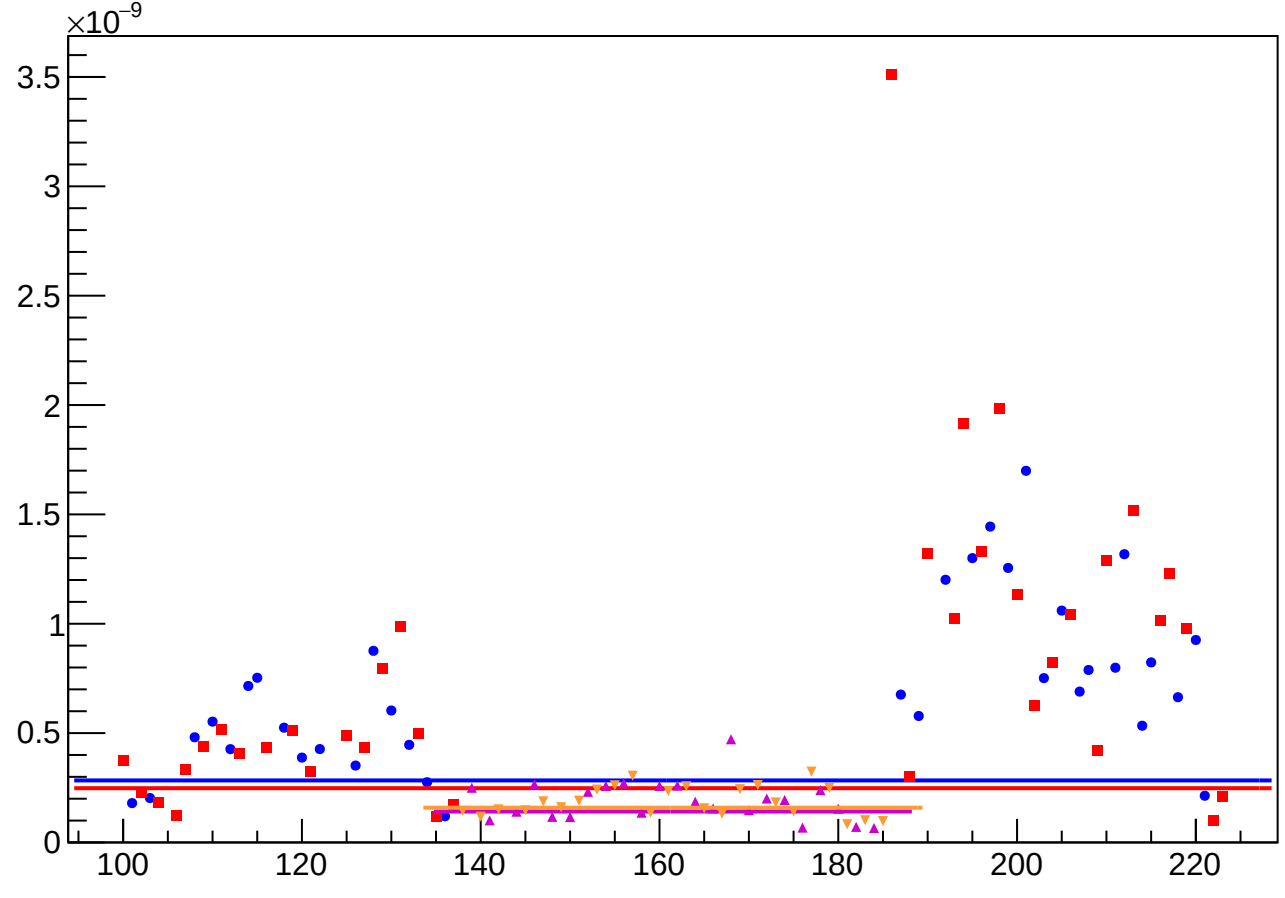
Right: 0.000+/-0.000 χ^2/NDF: 80.9/70

In: -0.000+/-0.000 χ^2/NDF:64.2/56

Out: 0.000+/-0.000 χ^2/NDF:71.3/60

All: 0.000+/-0.000 χ^2/NDF: 136.2/117

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

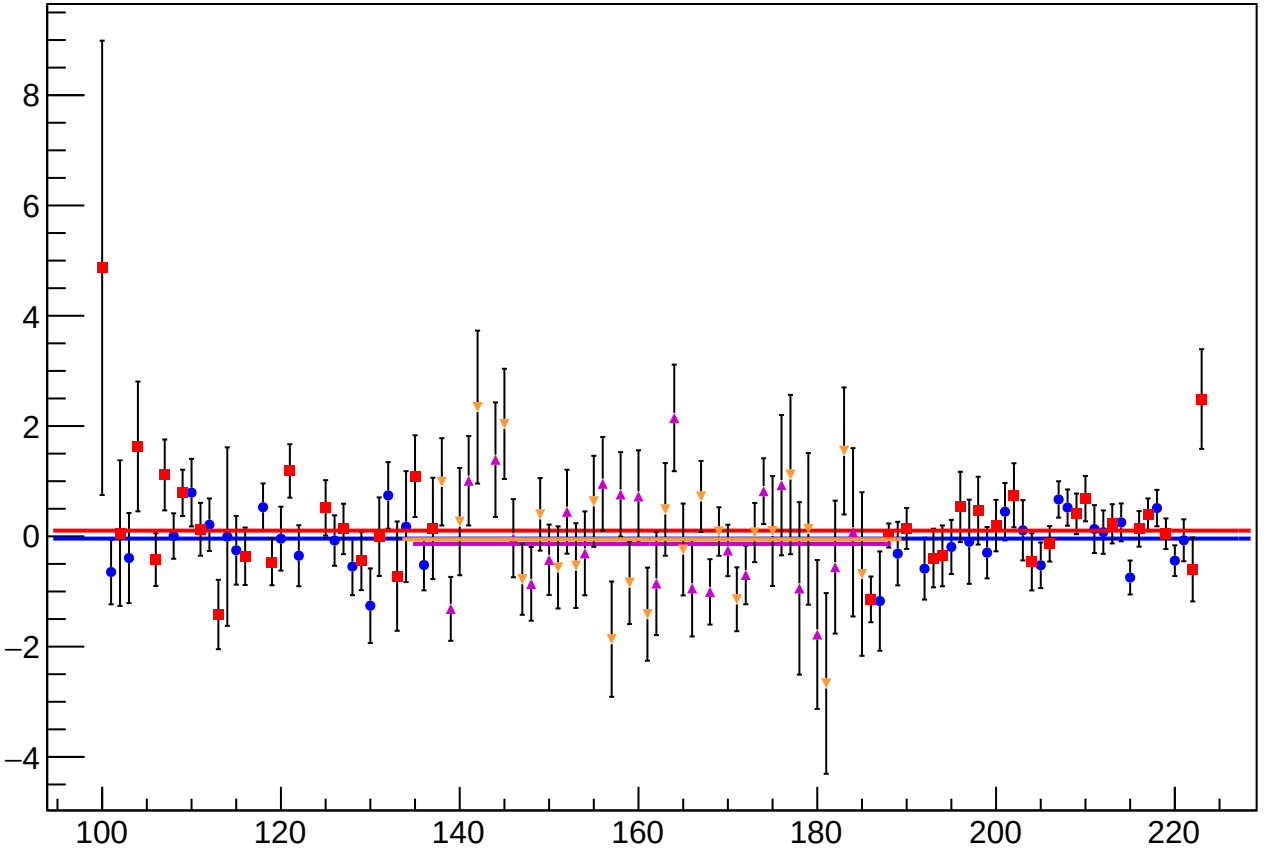
Right: 0.000+/-0.000 χ^2/NDF: 17174537.2/70

In: 0.000+/-0.000 χ^2/NDF:12235252.2/56

Out: 0.000+/-0.000 χ^2/NDF:11479894.3/60

All: 0.000+/-0.000 χ^2/NDF: 23762903.1/117

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

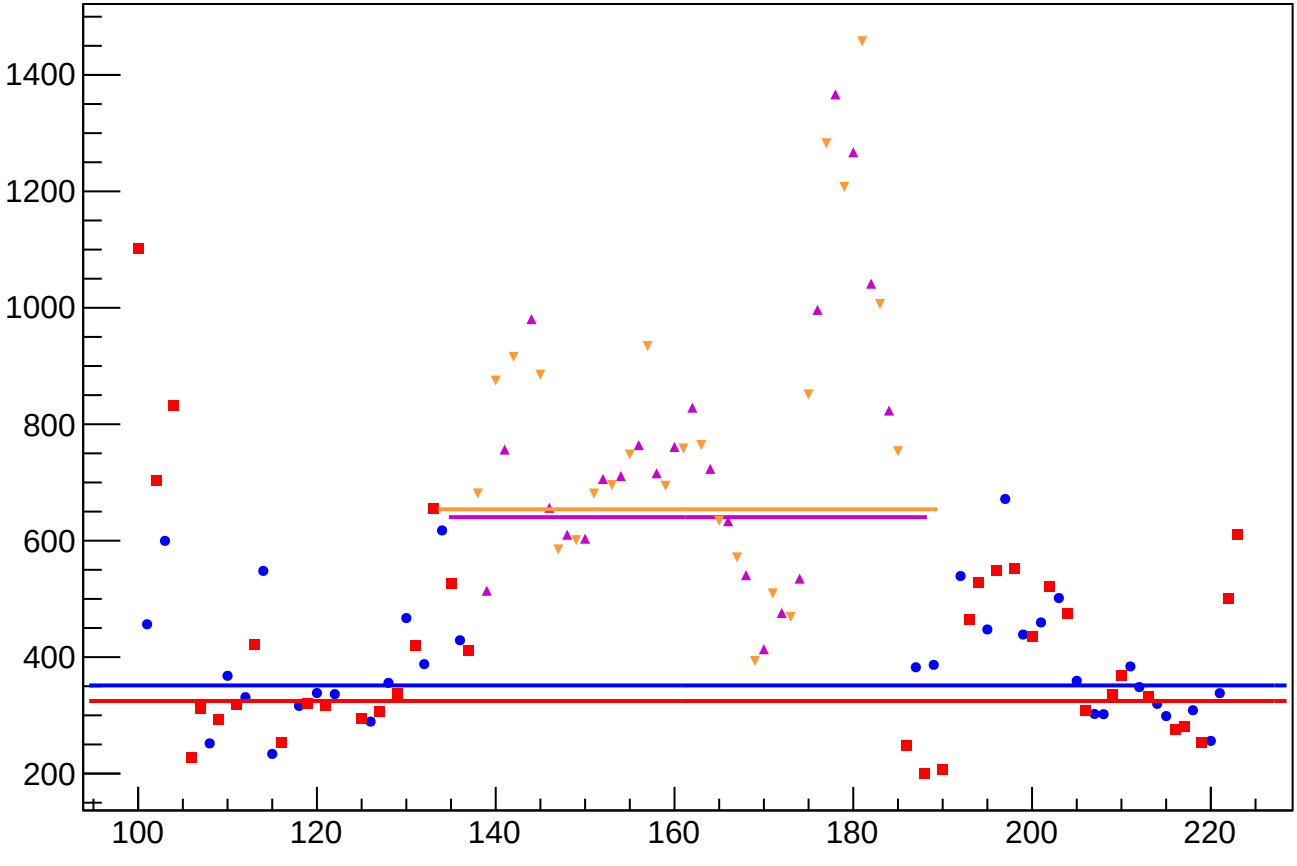
Right: 0.036+/-0.054 χ^2/NDF: 92.4/70

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.076+/-0.068 χ^2/NDF:84.8/60

All: 0.011+/-0.049 χ^2/NDF: 153.7/117

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

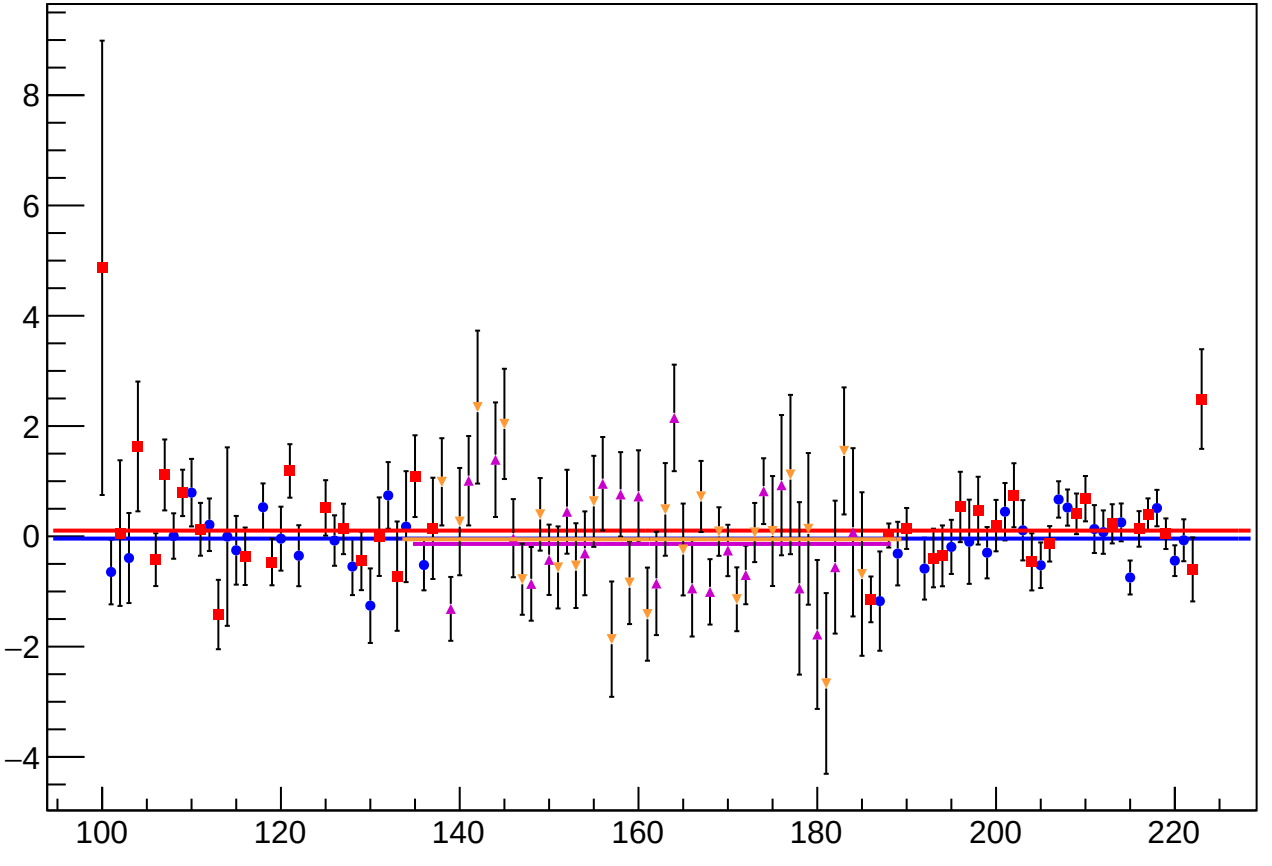
Right: 337.264+/-0.038 χ^2/NDF: 6555322.1/70

In: 409.285+/-0.050 χ^2/NDF:10213031.5/56

Out: 382.835+/-0.048 χ^2/NDF:14214115.2/60

All: 395.518+/-0.035 χ^2/NDF: 24573001.5/1

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

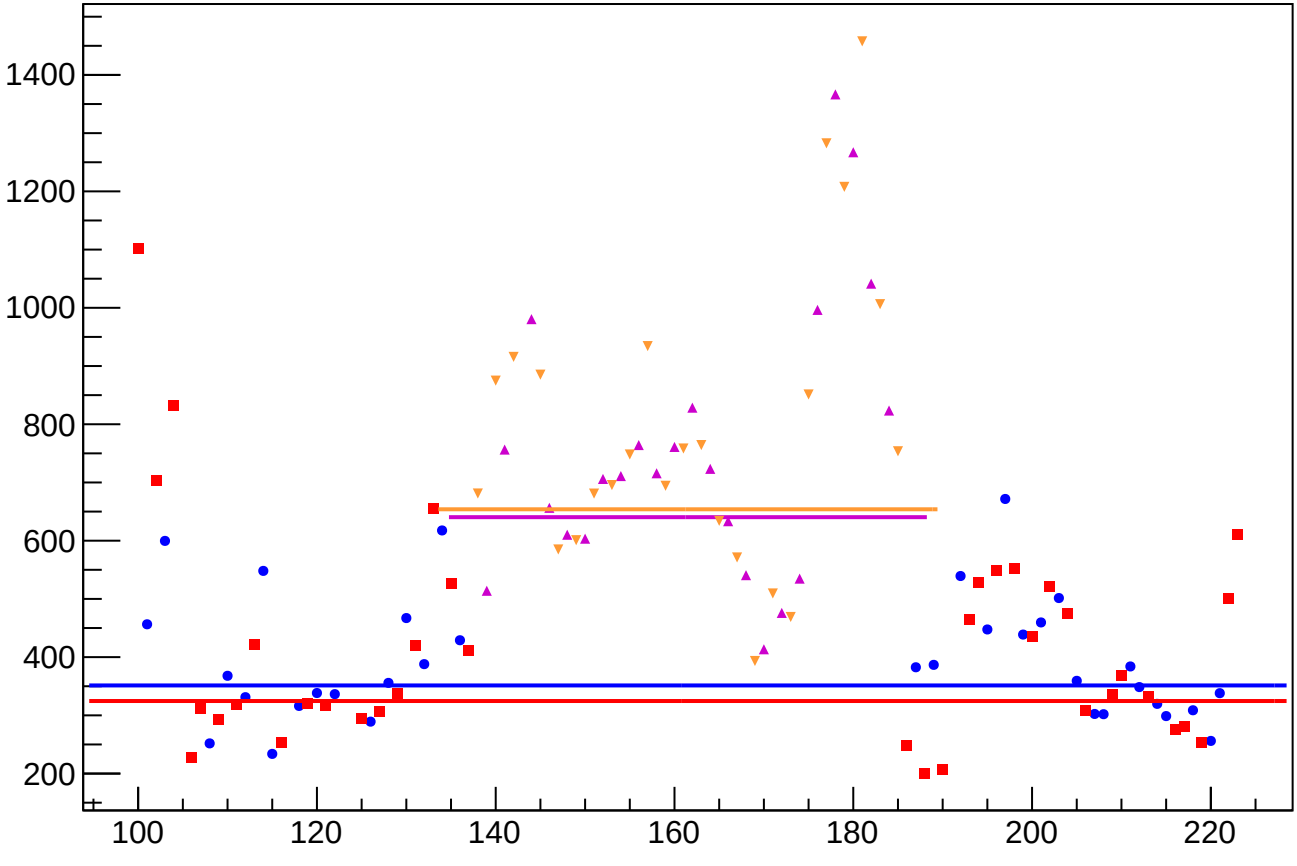
Right: 0.036+/-0.054 χ^2/NDF: 92.4/70

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.076+/-0.068 χ^2/NDF:84.8/60

All: 0.011+/-0.049 χ^2/NDF: 153.7/117

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

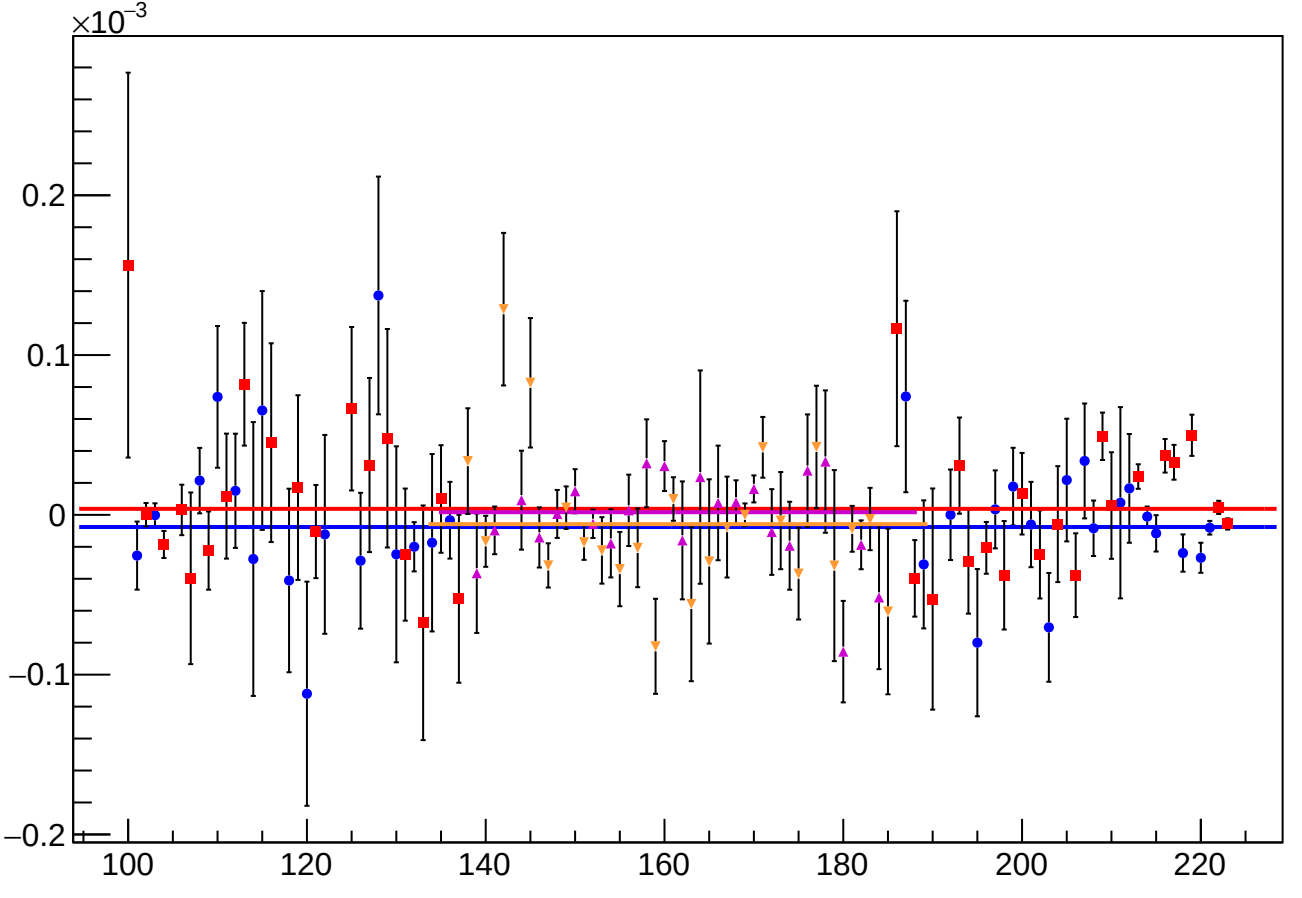
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 337.264+/-0.038 χ^2/NDF: 6555322.1/70

In: 409.285+/-0.050 χ^2/NDF:10213031.5/56

Out: 382.835+/-0.048 χ^2/NDF:14214115.2/60

All: 395.518+/-0.035 χ^2/NDF: 24573001.5/1



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

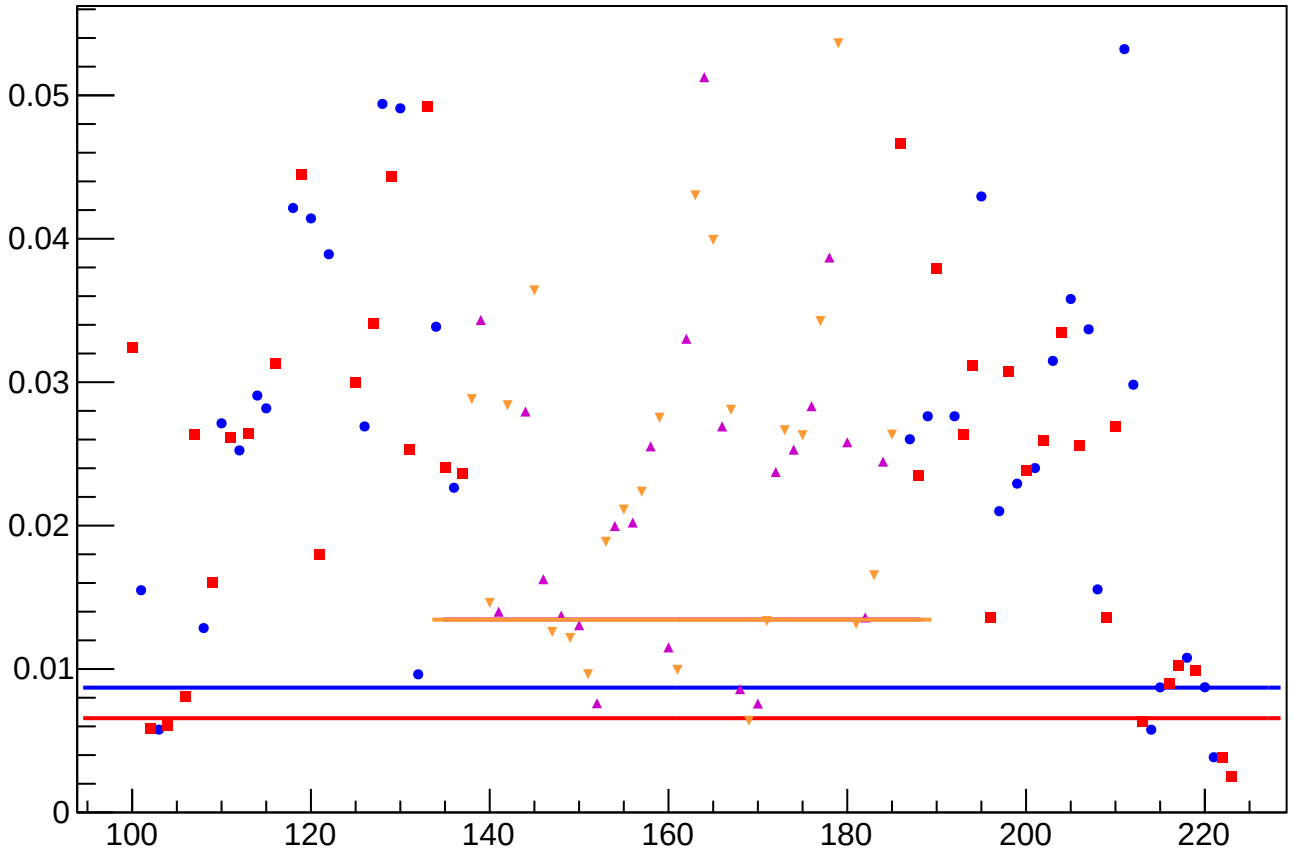
Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

Right: -0.000+/-0.000 χ^2/NDF: 136.7/70

In: -0.000+/-0.000 χ^2/NDF:64.9/56

Out: 0.000+/-0.000 χ^2/NDF:137.2/60

All: -0.000+/-0.000 χ^2/NDF: 207.1/117



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

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

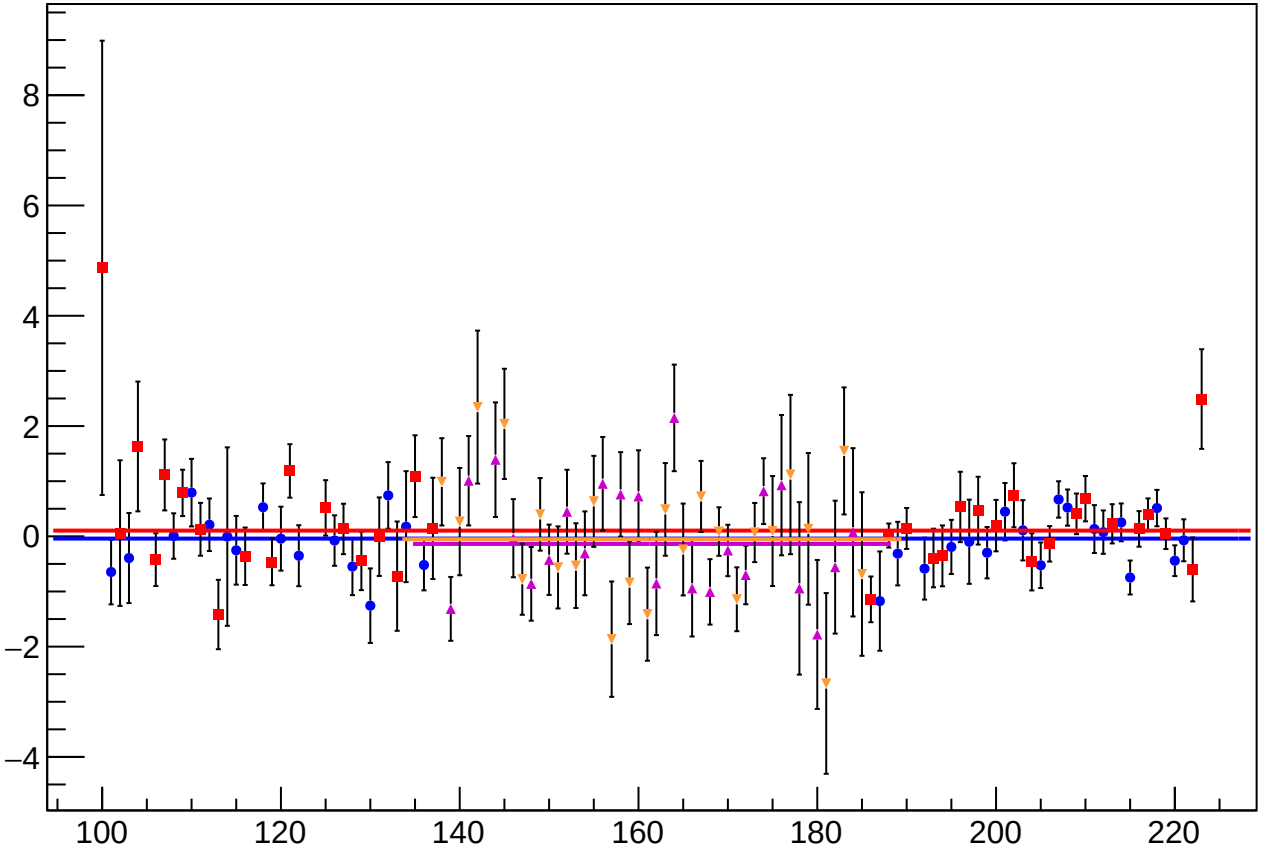
Right: 0.007+/-0.000 χ^2/NDF: 40629579.9/70

In: 0.010+/-0.000 χ^2/NDF:28290571.6/56

Out: 0.008+/-0.000 χ^2/NDF:35386658.7/60

All: 0.009+/-0.000 χ^2/NDF: 64814707.9/117

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

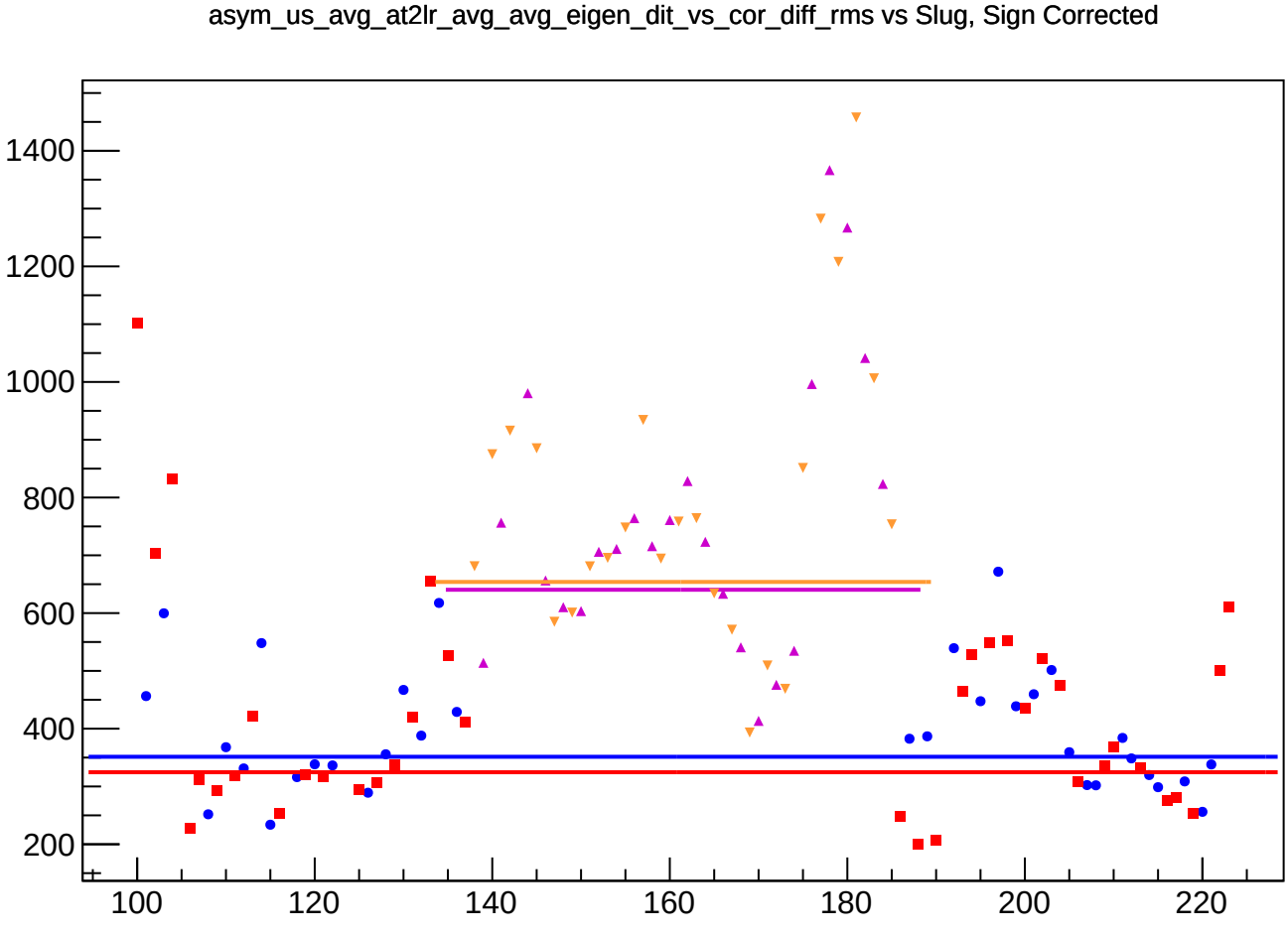
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.036+/-0.054 χ^2/NDF: 92.4/70

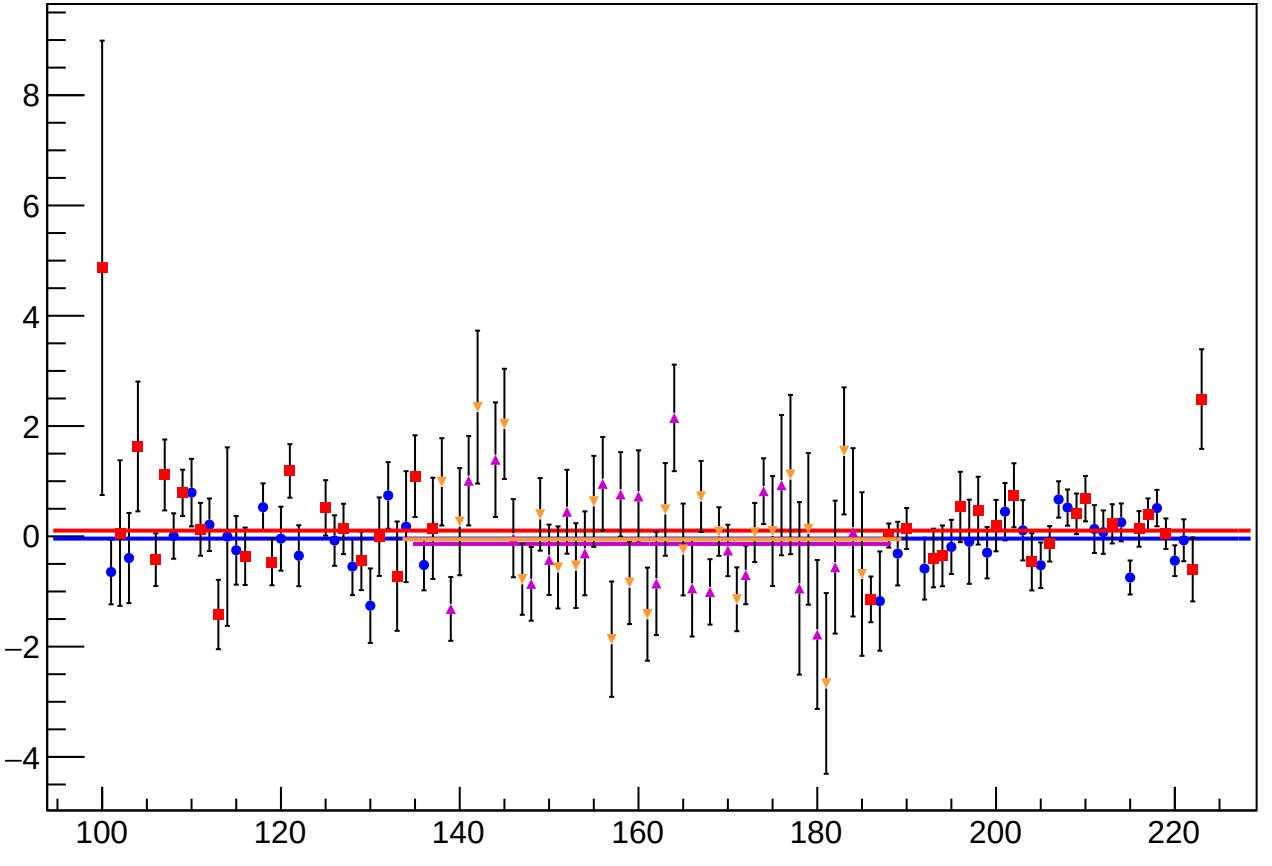
In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.076+/-0.068 χ^2/NDF:84.8/60

All: 0.011+/-0.049 χ^2/NDF: 153.7/117


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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
Left: 647.016+/-0.080 χ²/NDF: 5780002.9/46
Right: 337.262+/-0.038 χ²/NDF: 6555520.2/70
In: 409.285+/-0.050 χ²/NDF:10213217.1/56
Out: 382.831+/-0.048 χ²/NDF:14214647.9/60
All: 395.516+/-0.035 χ²/NDF: 24573764.7/11

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

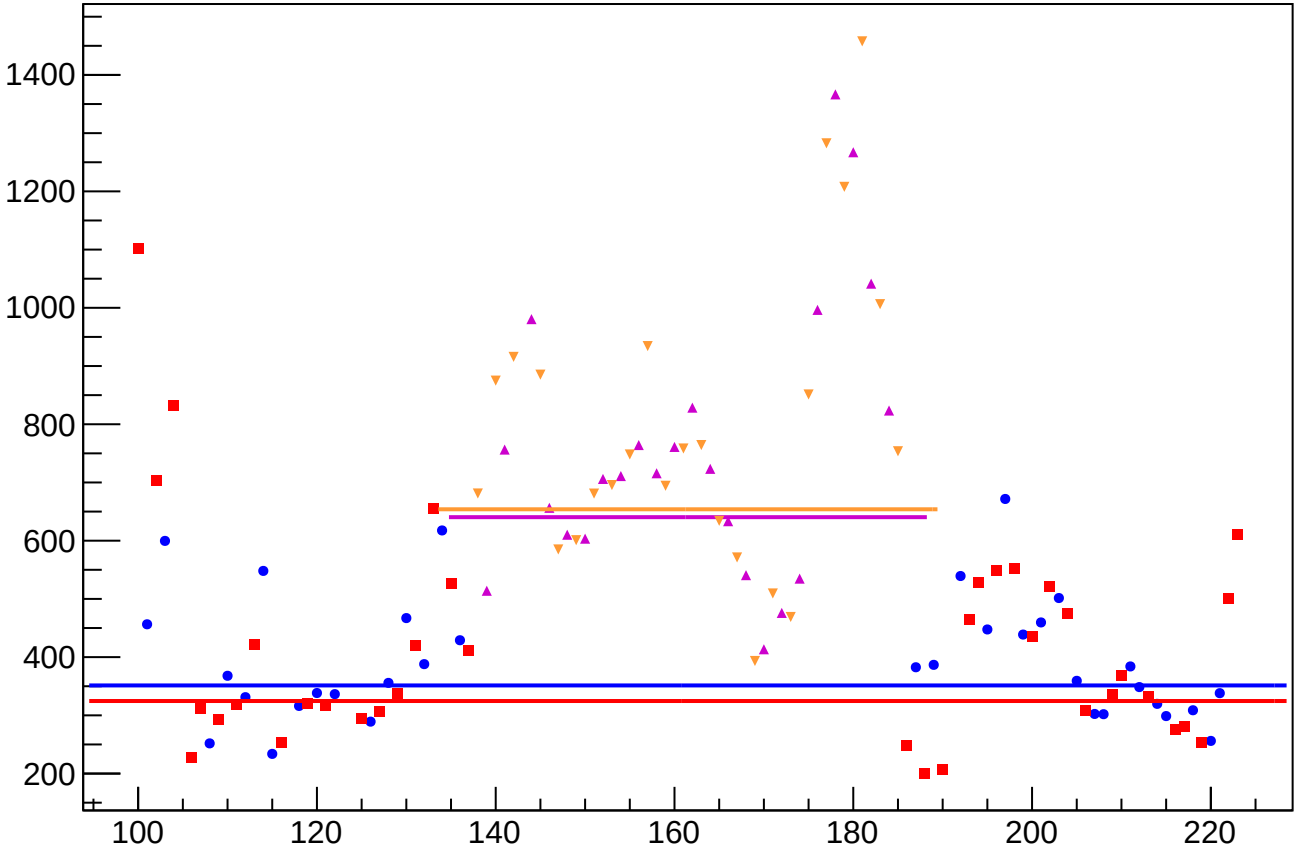
Right: 0.036+/-0.054 χ^2/NDF: 92.4/70

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.076+/-0.068 χ^2/NDF:84.8/60

All: 0.011+/-0.049 χ^2/NDF: 153.7/117

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 351.382+/-0.056 χ^2/NDF: 2204823.1/33

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 324.625+/-0.053 χ^2/NDF: 4229679.3/36

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

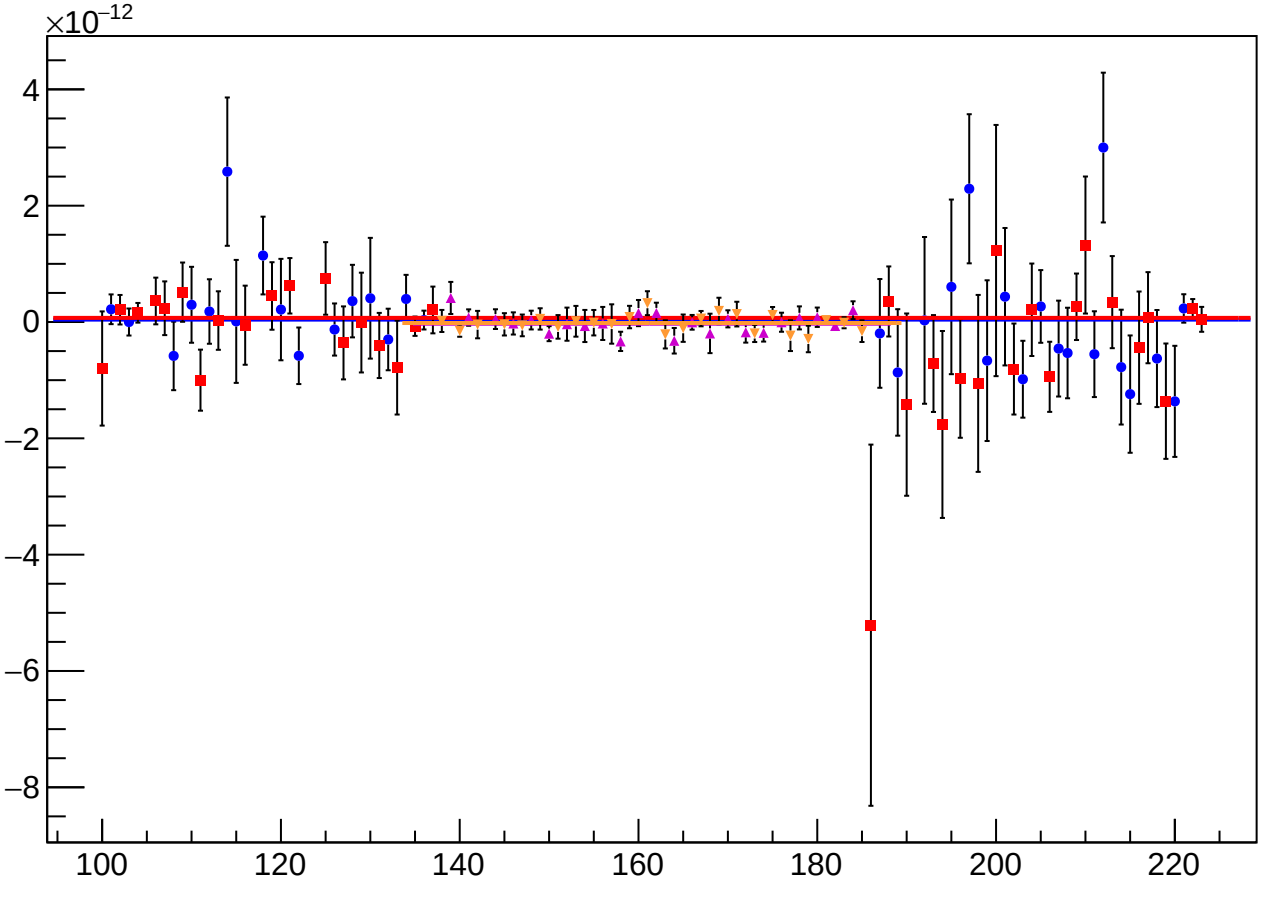
Right: 337.262+/-0.038 χ^2/NDF: 6555520.2/70

In: 409.285+/-0.050 χ^2/NDF:10213217.1/56

Out: 382.831+/-0.048 χ^2/NDF:14214647.9/60

All: 395.516+/-0.035 χ^2/NDF: 24573764.7/11

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 31.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/36

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

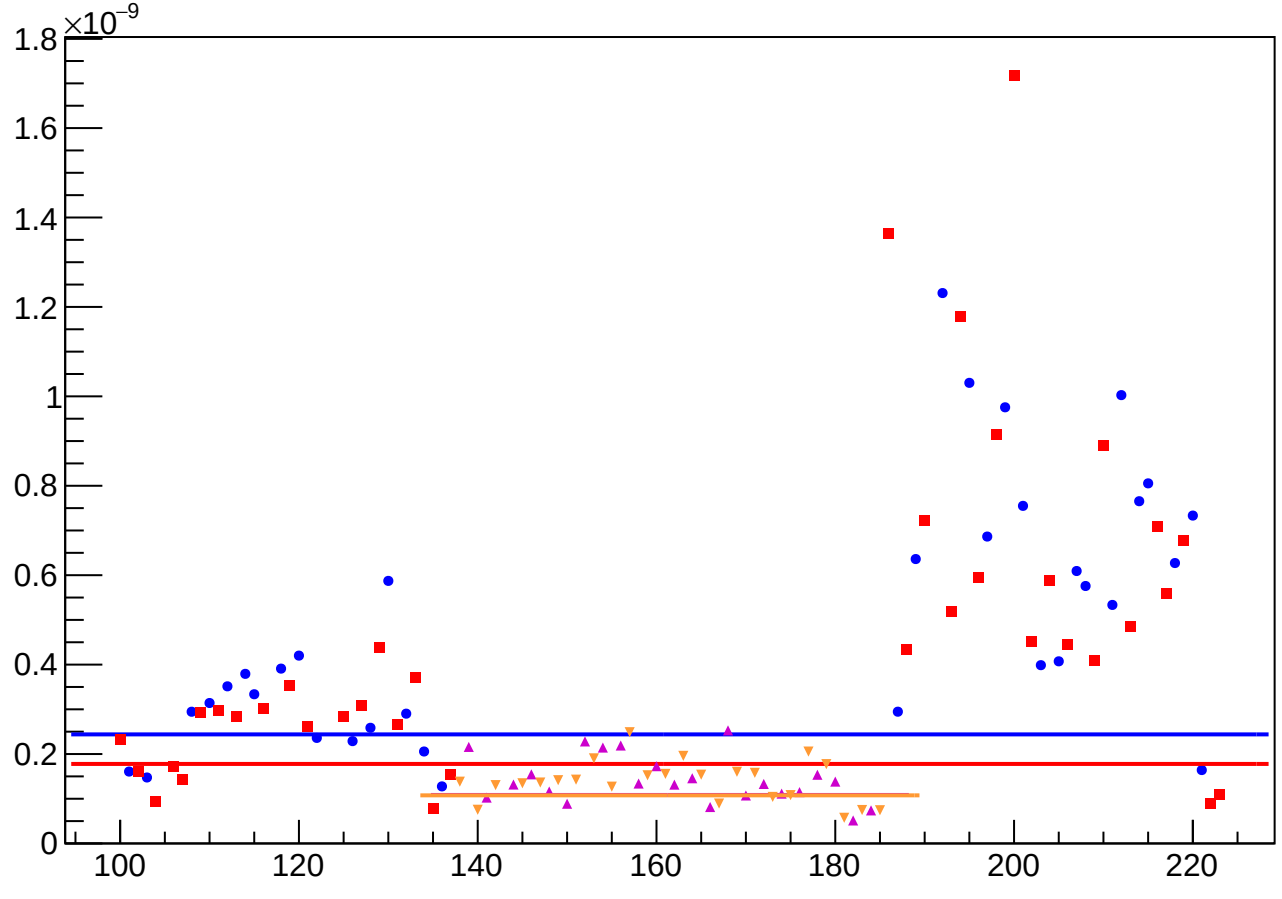
Right: 0.000+/-0.000 χ^2/NDF: 61.6/70

In: -0.000+/-0.000 χ^2/NDF:49.8/56

Out: -0.000+/-0.000 χ^2/NDF:44.7/60

All: -0.000+/-0.000 χ^2/NDF: 94.7/117

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

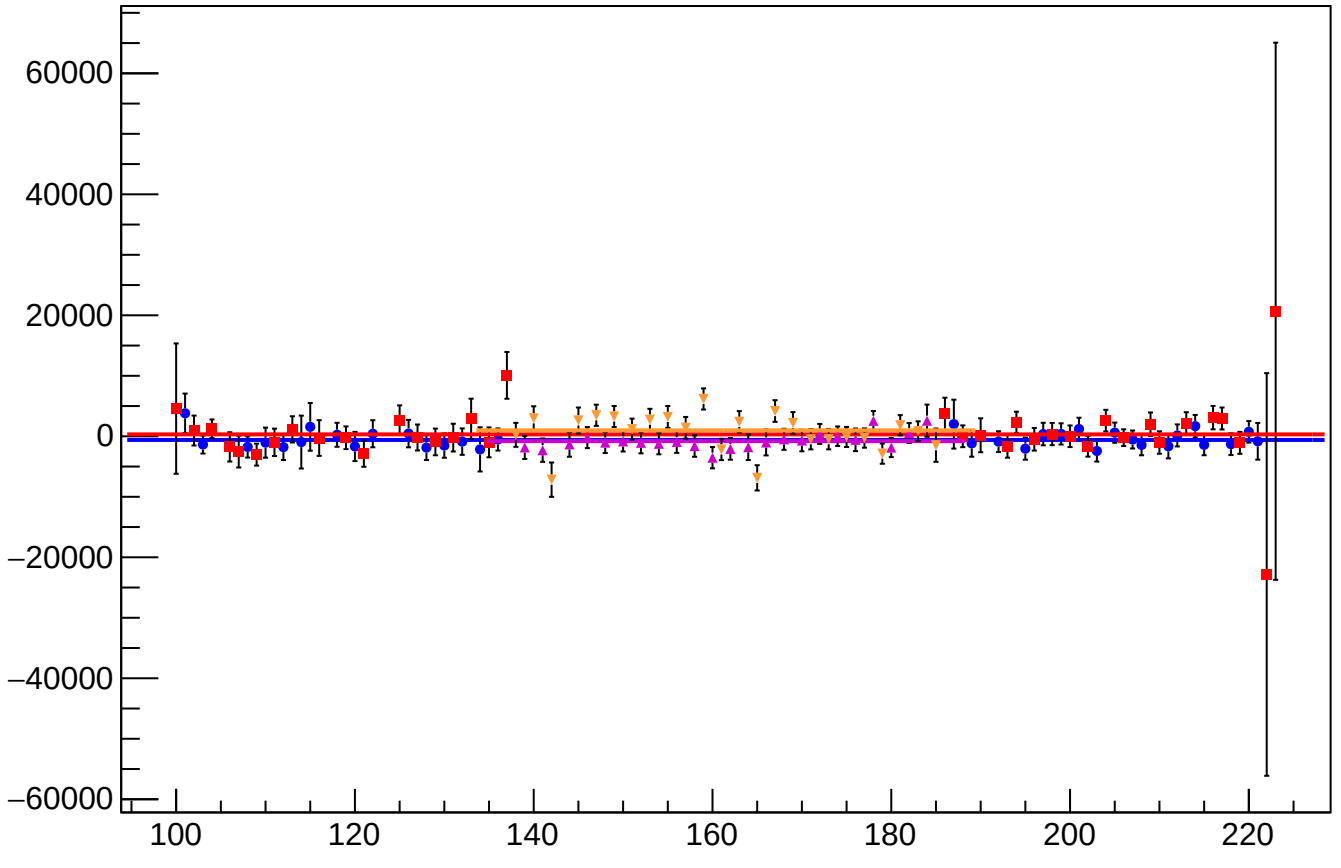
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 21342048.6/70

In: 0.000+/-0.000 χ^2/NDF:17889596.1/56

Out: 0.000+/-0.000 χ^2/NDF:16339544.0/60

All: 0.000+/-0.000 χ^2/NDF: 34264169.9/117



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

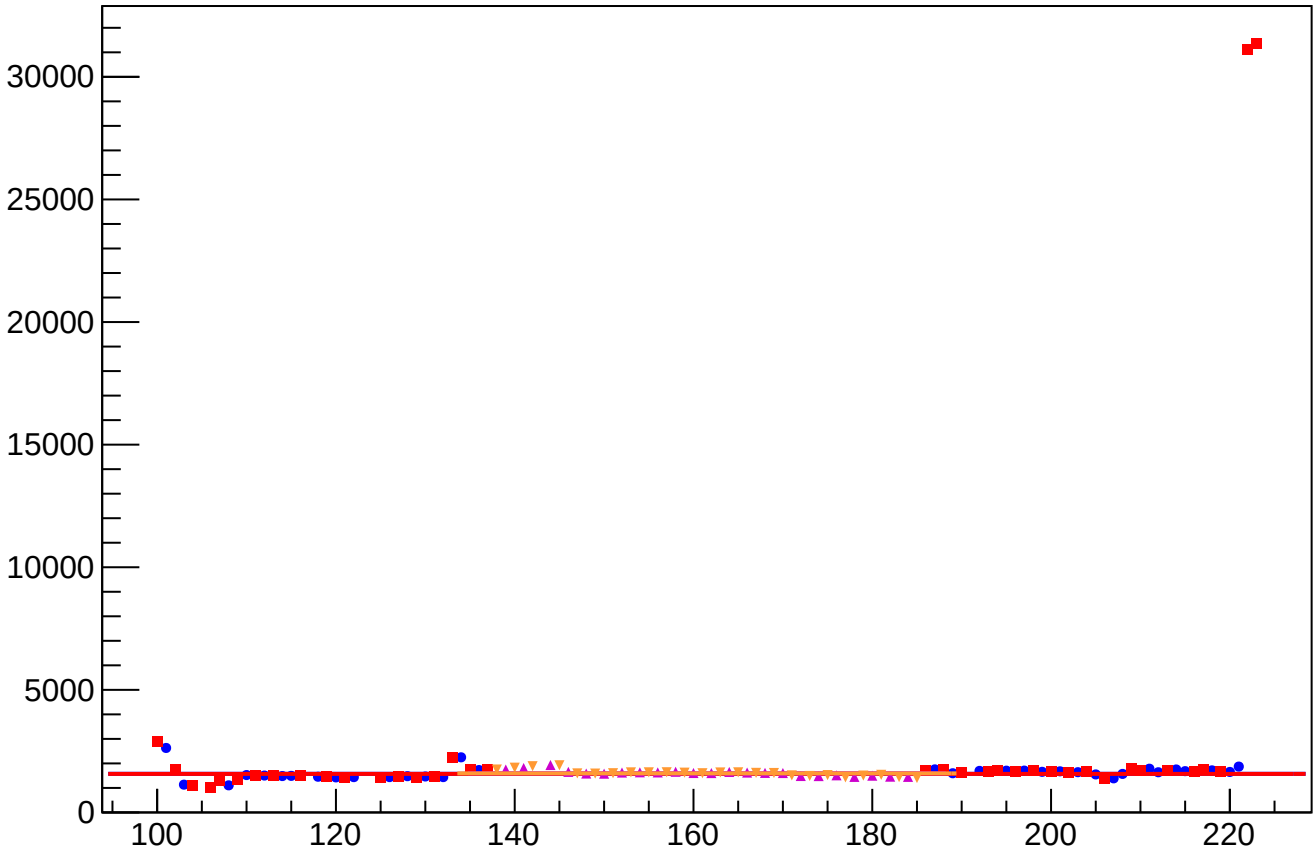
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -146.825+/-244.249 χ^2/NDF: 47.9/70

In: -694.386+/-253.188 χ^2/NDF:24.8/56

Out: 626.644+/-253.341 χ^2/NDF:89.5/60

All: -34.271+/-179.085 χ^2/NDF: 127.9/117



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

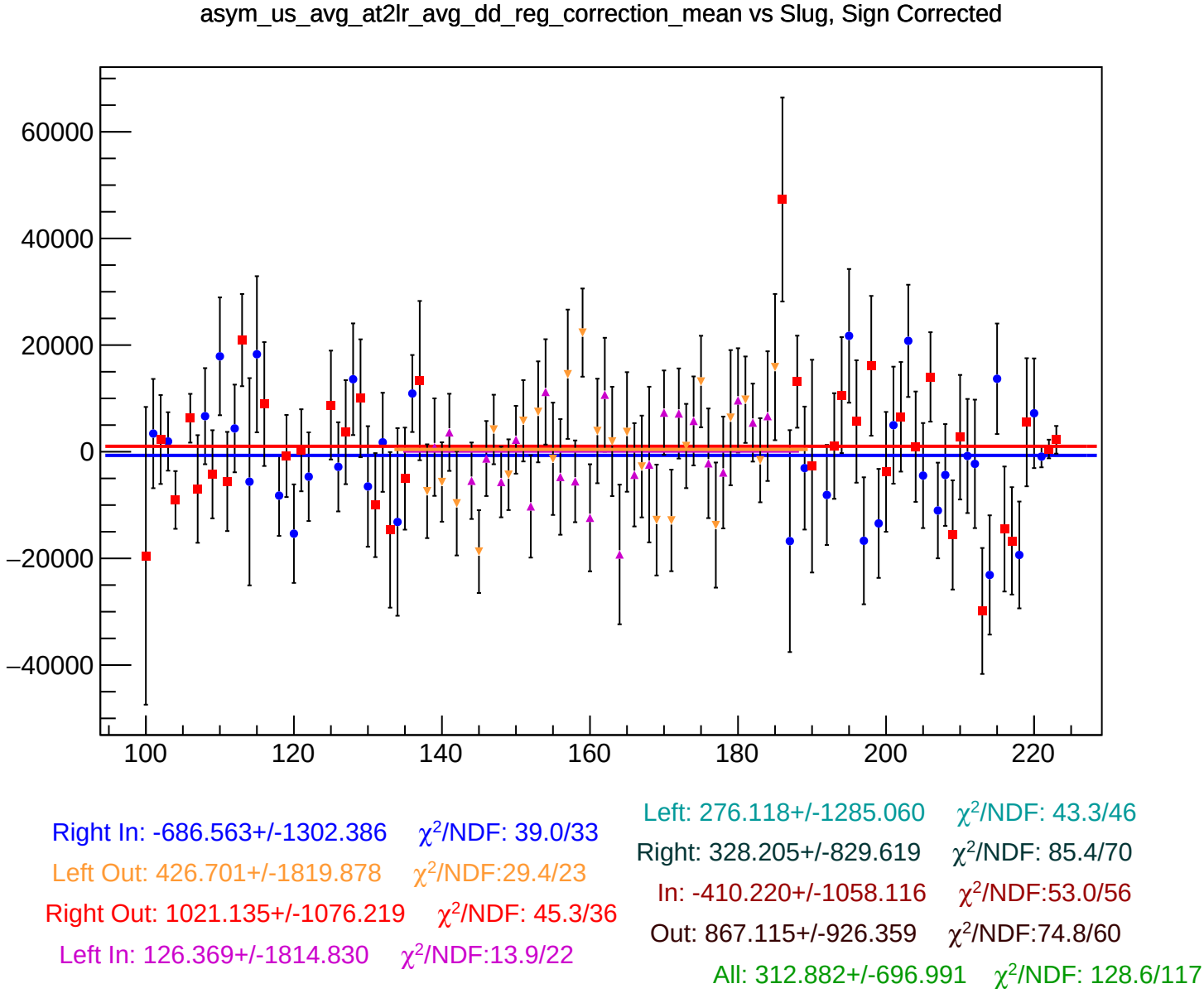
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1574.144+/-0.172 χ^2/NDF: 4030959.7/70

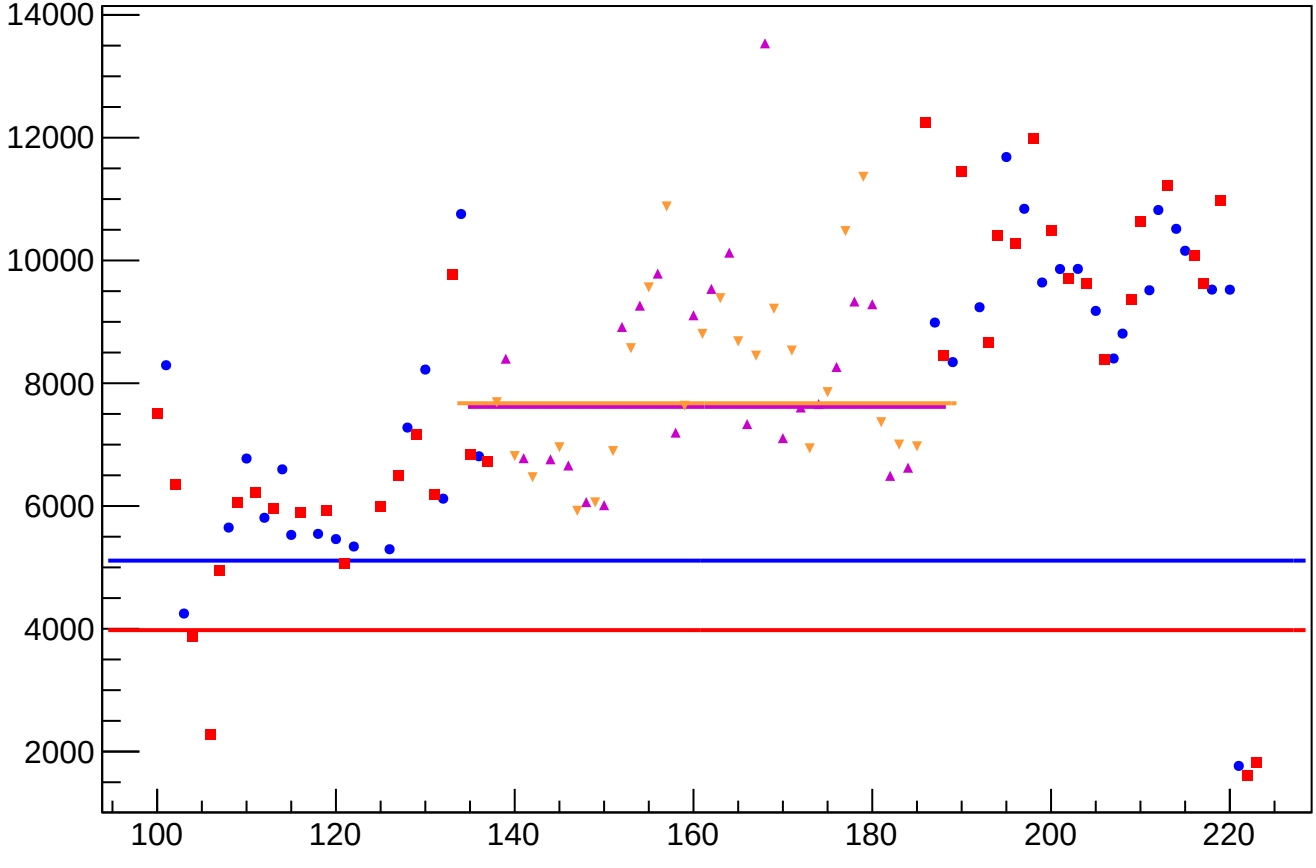
In: 1586.077+/-0.179 χ^2/NDF:998056.5/56

Out: 1582.193+/-0.179 χ^2/NDF:3396861.0/60

All: 1584.133+/-0.127 χ^2/NDF: 4395153.1/11


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
220
Right In: -686.563+/-1302.386 χ²/NDF: 39.0/33
Left Out: 426.701+/-1819.878 χ²/NDF:29.4/23
Right Out: 1021.135+/-1076.219 χ²/NDF: 45.3/36
Left In: 126.369+/-1814.830 χ²/NDF:13.9/22
Left: 276.118+/-1285.060 χ²/NDF: 43.3/46
Right: 328.205+/-829.619 χ²/NDF: 85.4/70
In: -410.220+/-1058.116 χ²/NDF:53.0/56
Out: 867.115+/-926.359 χ²/NDF:74.8/60
All: 312.882+/-696.991 χ²/NDF: 128.6/117

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



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

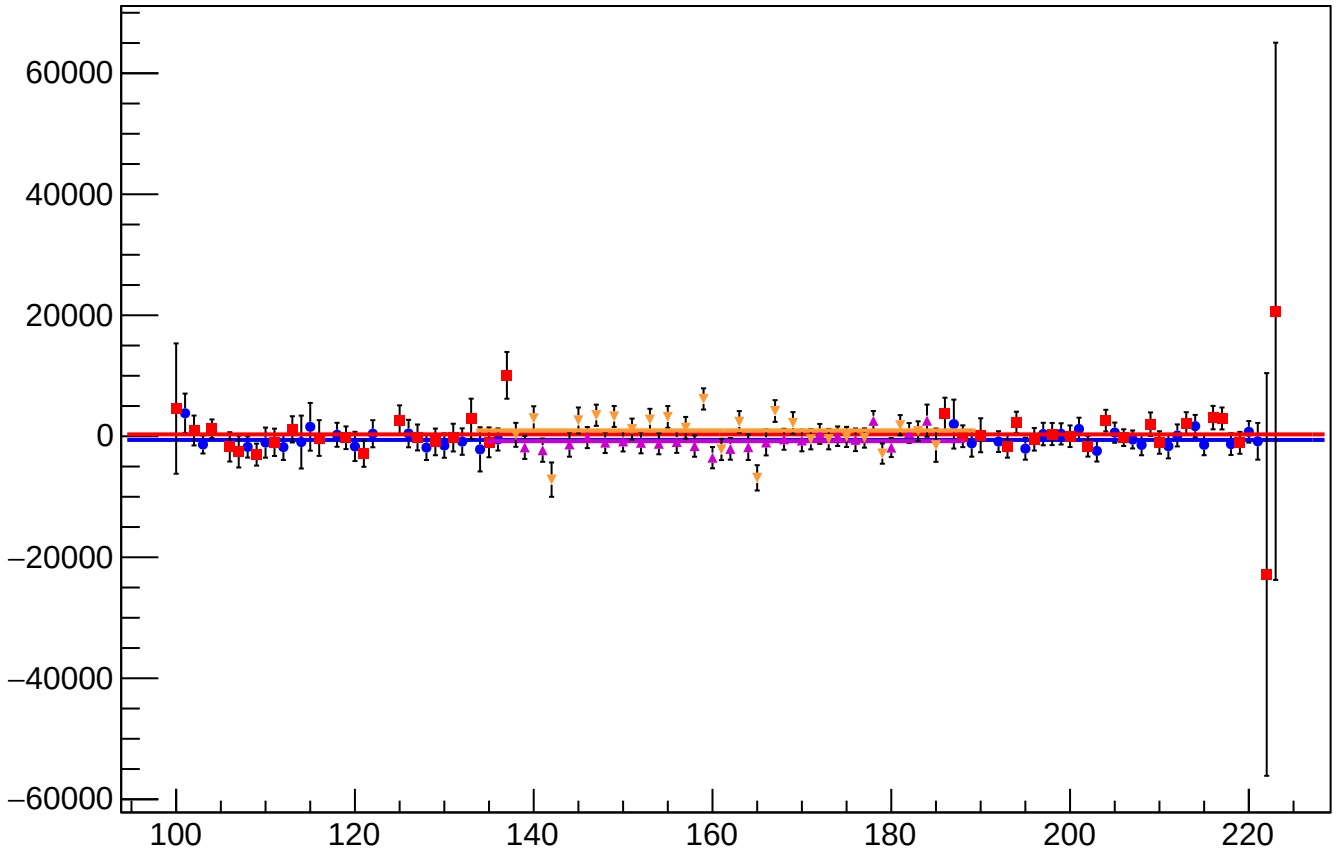
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 4437.412+/-0.587 χ^2/NDF: 30657150.0/70

In: 5961.732+/-0.748 χ^2/NDF:16390161.8/56

Out: 4935.608+/-0.655 χ^2/NDF:24296426.7/60

All: 5380.841+/-0.493 χ^2/NDF: 41751363.4/



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

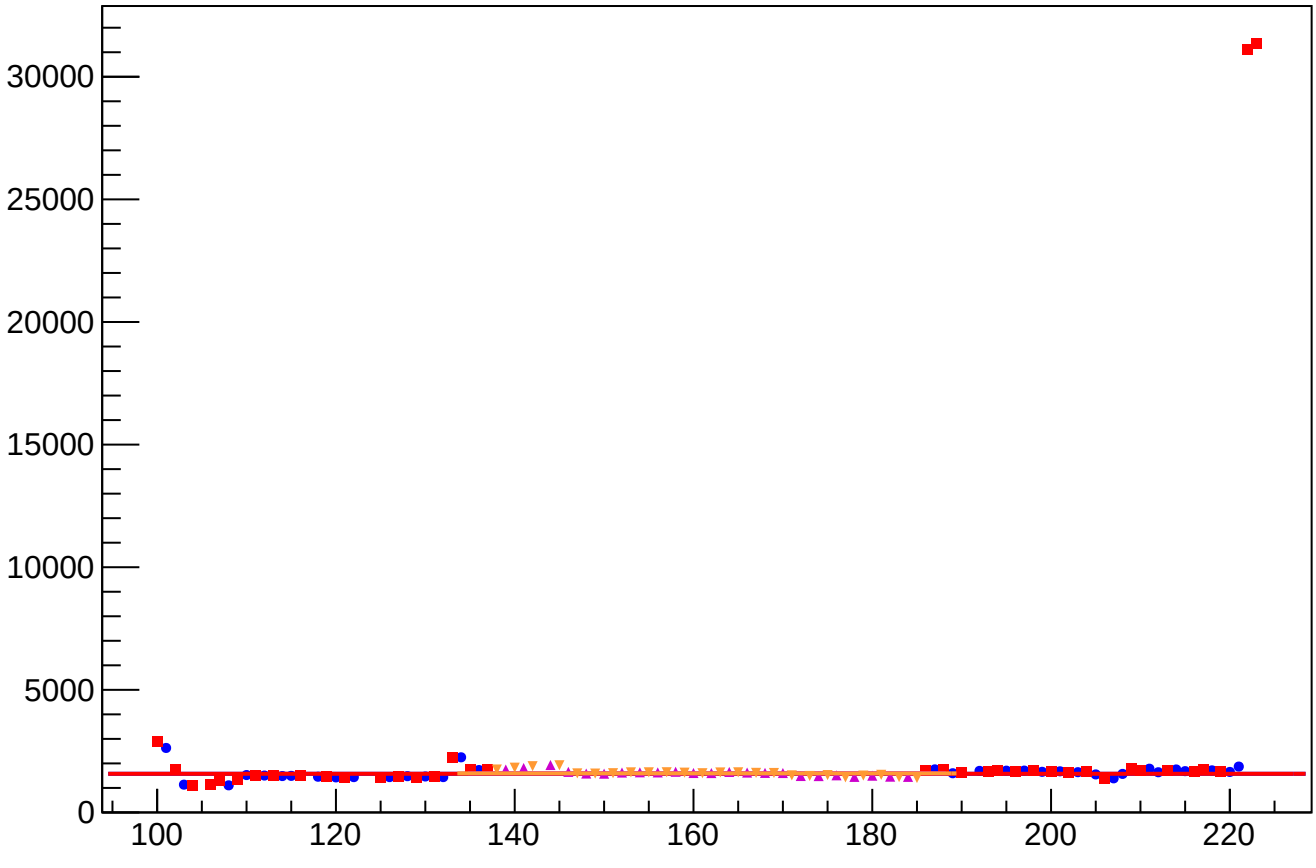
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -146.830+/-244.249 χ^2/NDF: 47.9/70

In: -694.344+/-253.188 χ^2/NDF:24.8/56

Out: 626.694+/-253.341 χ^2/NDF:89.5/60

All: -34.225+/-179.085 χ^2/NDF: 127.9/117



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

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

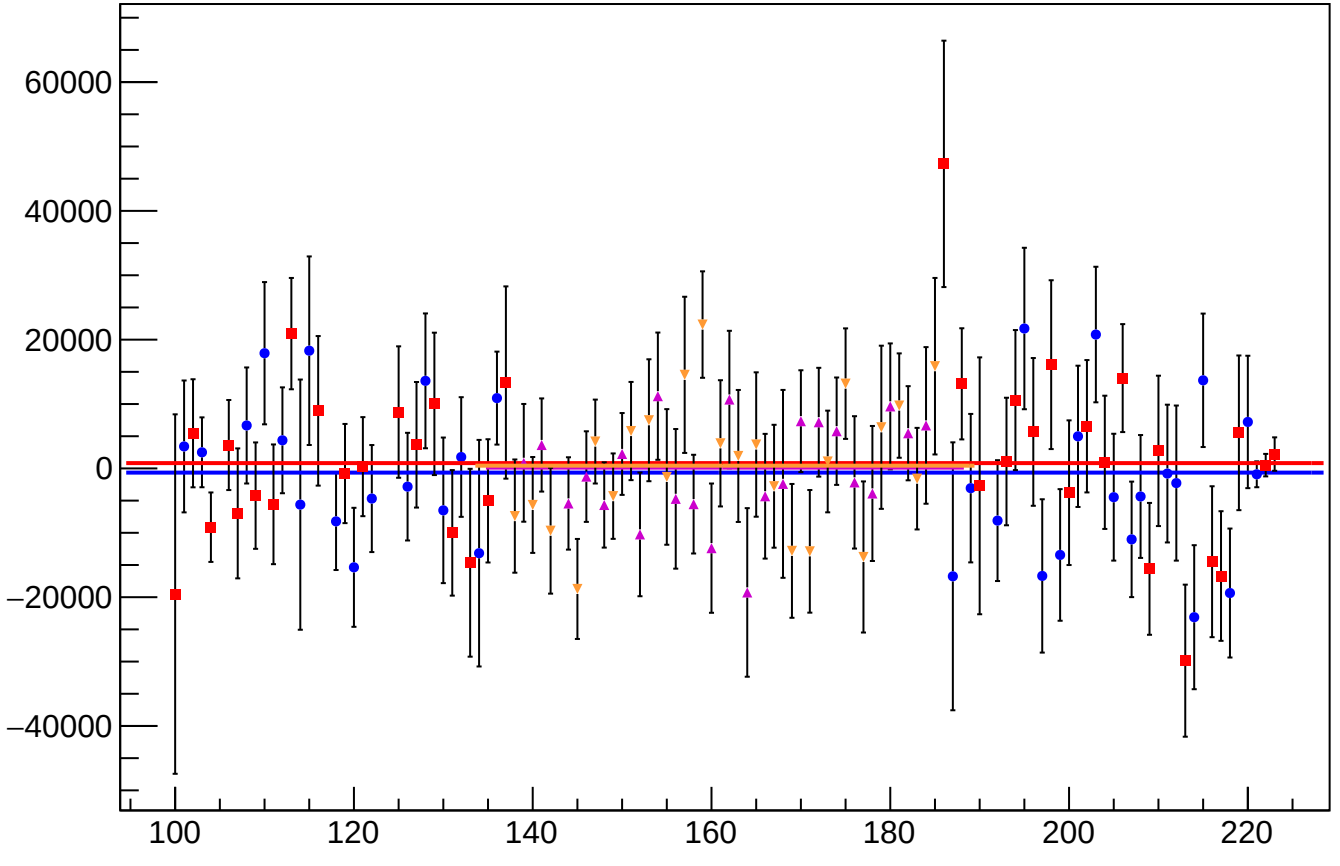
Right: 1576.402+/-0.173 χ^2/NDF: 3972982.7/70

In: 1586.077+/-0.179 χ^2/NDF:998057.0/56

Out: 1584.640+/-0.179 χ^2/NDF:3337643.7/60

All: 1585.358+/-0.127 χ^2/NDF: 4335732.9/11

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

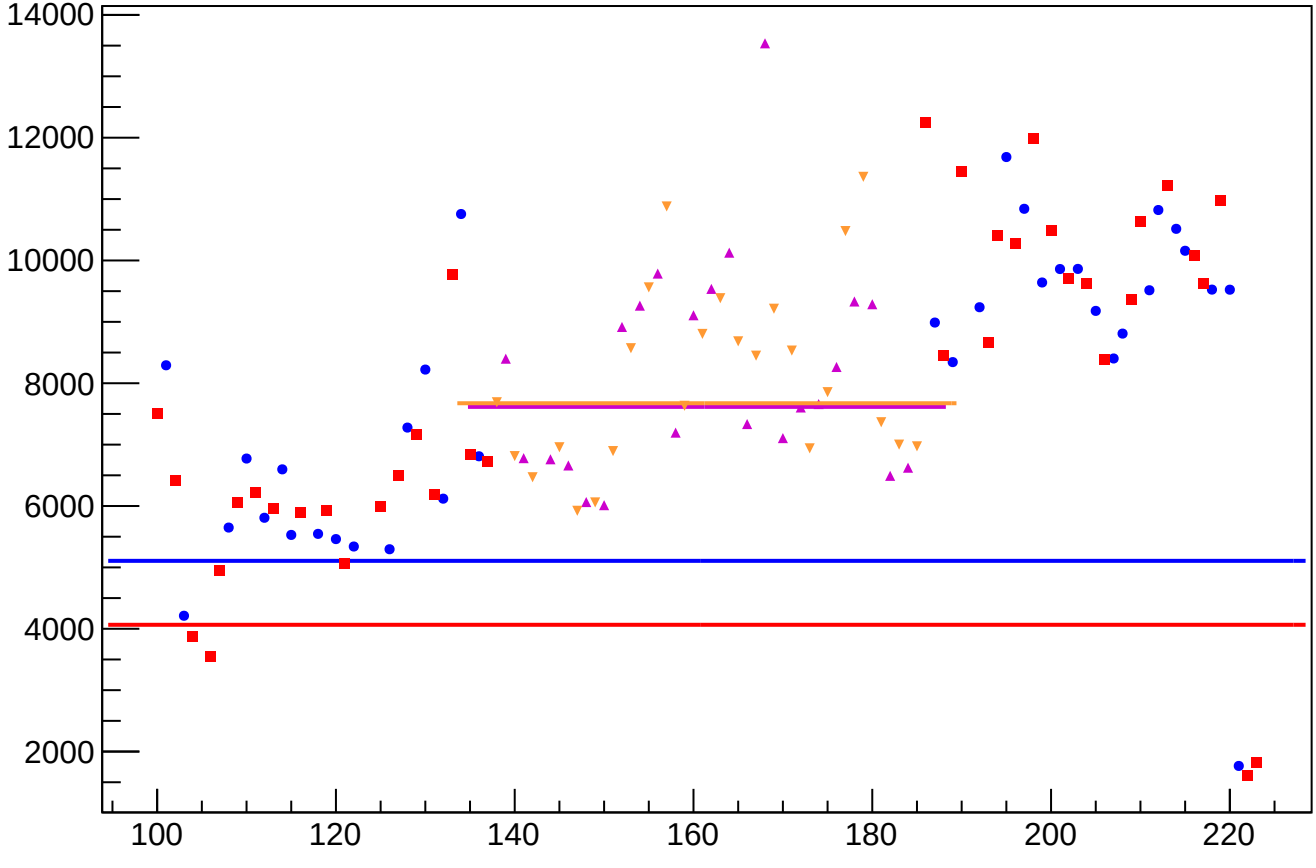
Right: 214.866+/-837.337 χ^2/NDF: 84.3/70

In: -387.037+/-1057.686 χ^2/NDF:53.1/56

Out: 720.289+/-937.440 χ^2/NDF:73.9/60

All: 233.122+/-701.548 χ^2/NDF: 127.6/117

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

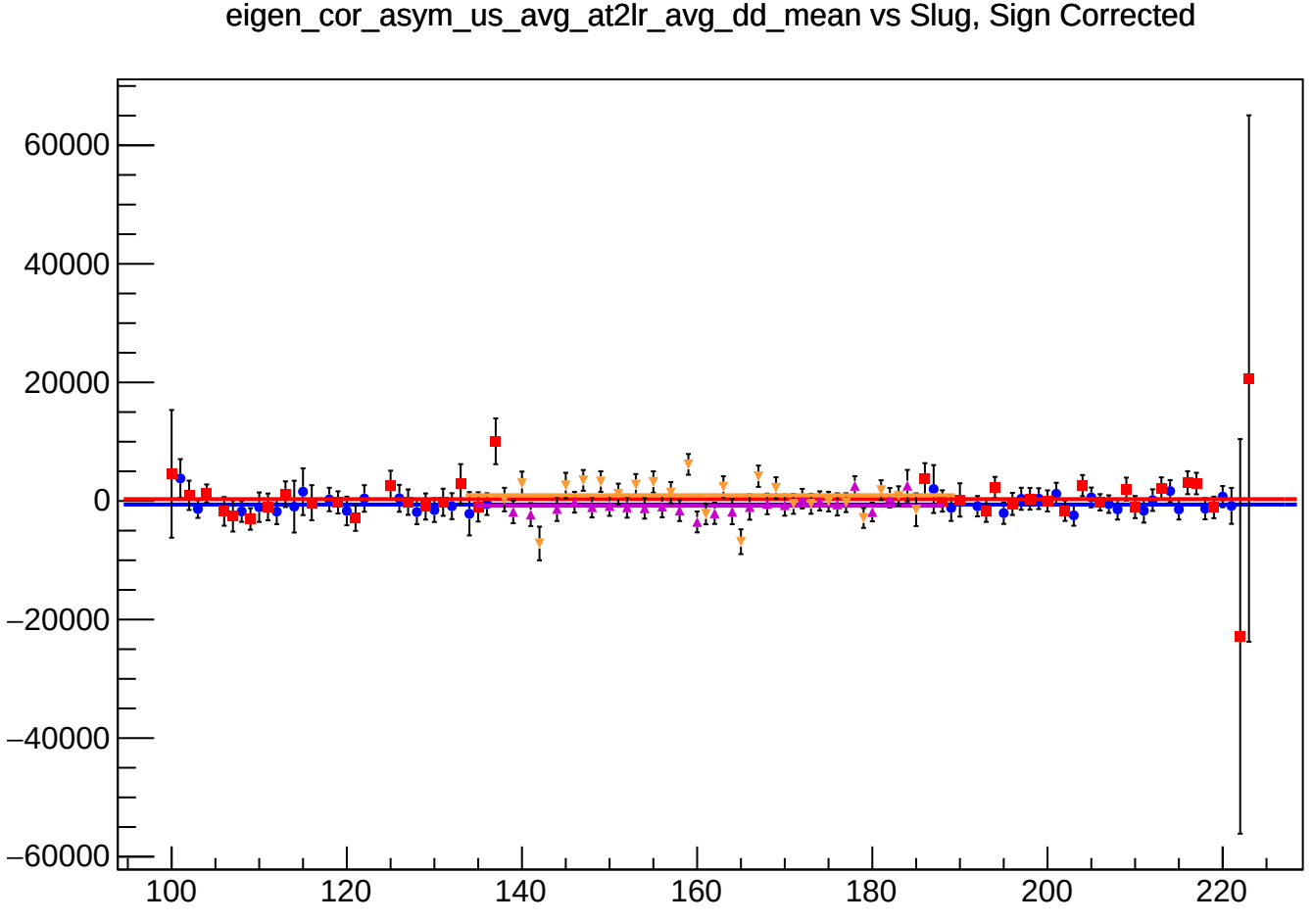
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 4496.126+/-0.592 χ^2/NDF: 30240099.6/70

In: 5958.664+/-0.748 χ^2/NDF:16406515.2/56

Out: 5022.627+/-0.663 χ^2/NDF:23685210.7/60

All: 5434.435+/-0.496 χ^2/NDF: 40968989.5/1



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

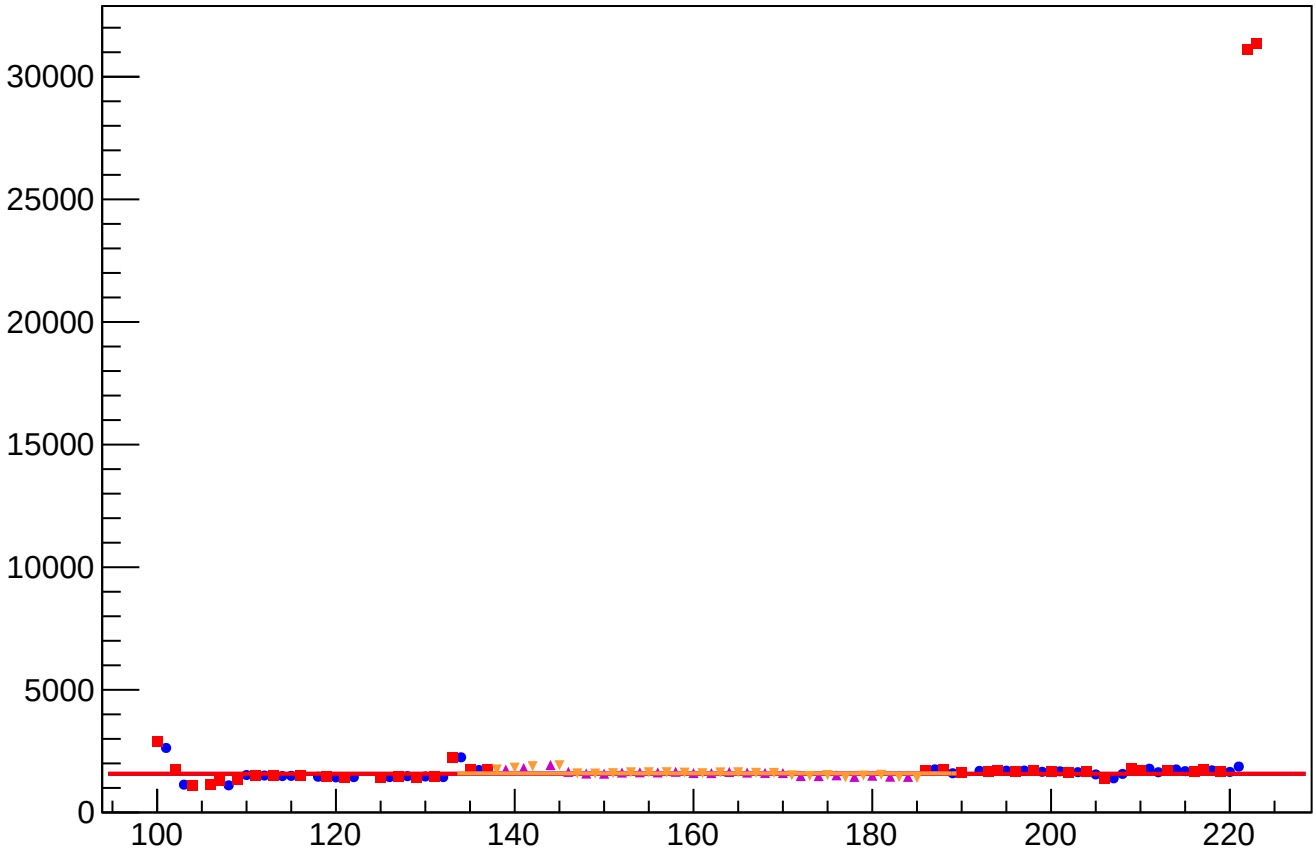
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -146.830+/-244.249 χ^2/NDF: 47.9/70

In: -694.344+/-253.188 χ^2/NDF:24.8/56

Out: 626.694+/-253.341 χ^2/NDF:89.5/60

All: -34.225+/-179.085 χ^2/NDF: 127.9/117



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

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

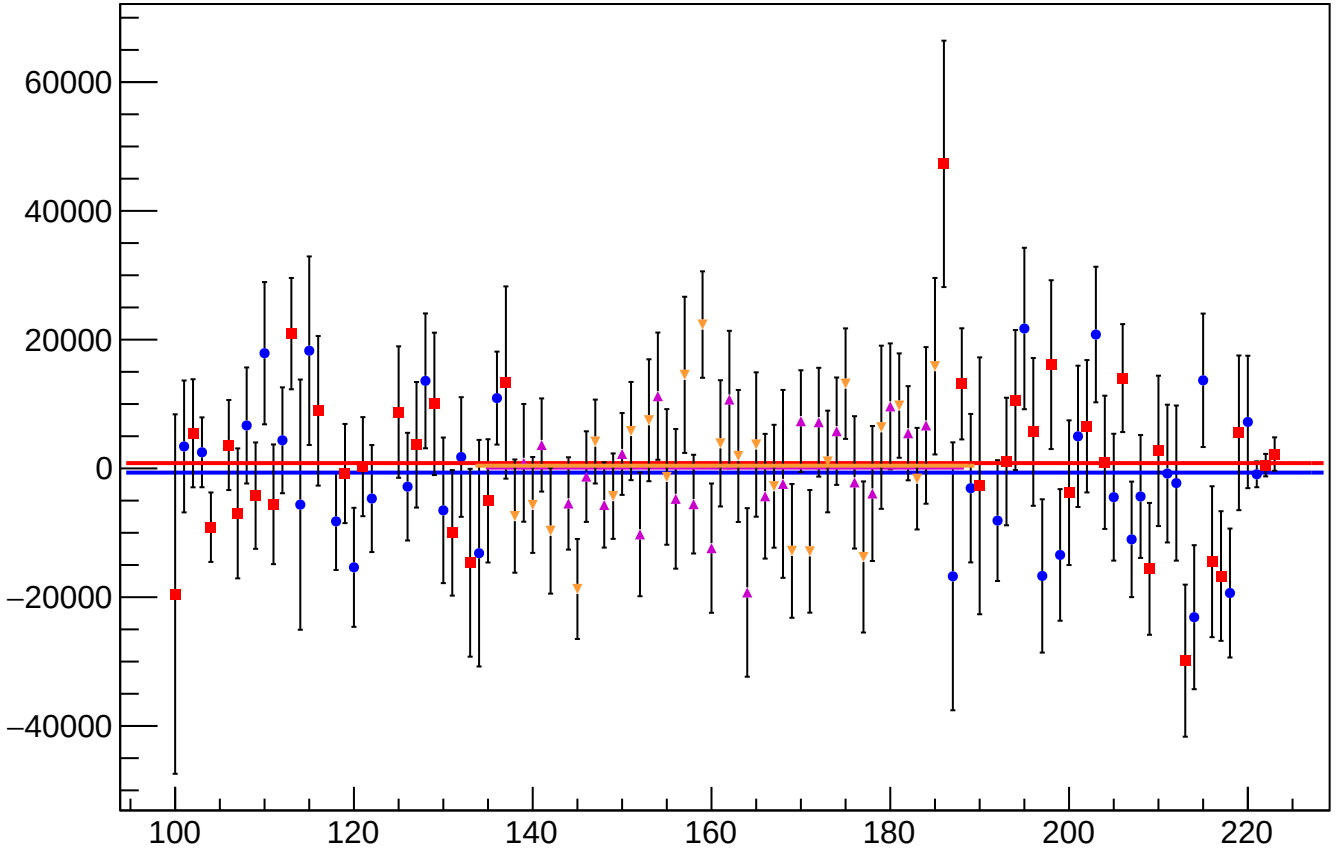
Right: 1576.402+/-0.173 χ^2/NDF: 3972982.7/70

In: 1586.077+/-0.179 χ^2/NDF:998057.0/56

Out: 1584.640+/-0.179 χ^2/NDF:3337643.7/60

All: 1585.358+/-0.127 χ^2/NDF: 4335732.9/11

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

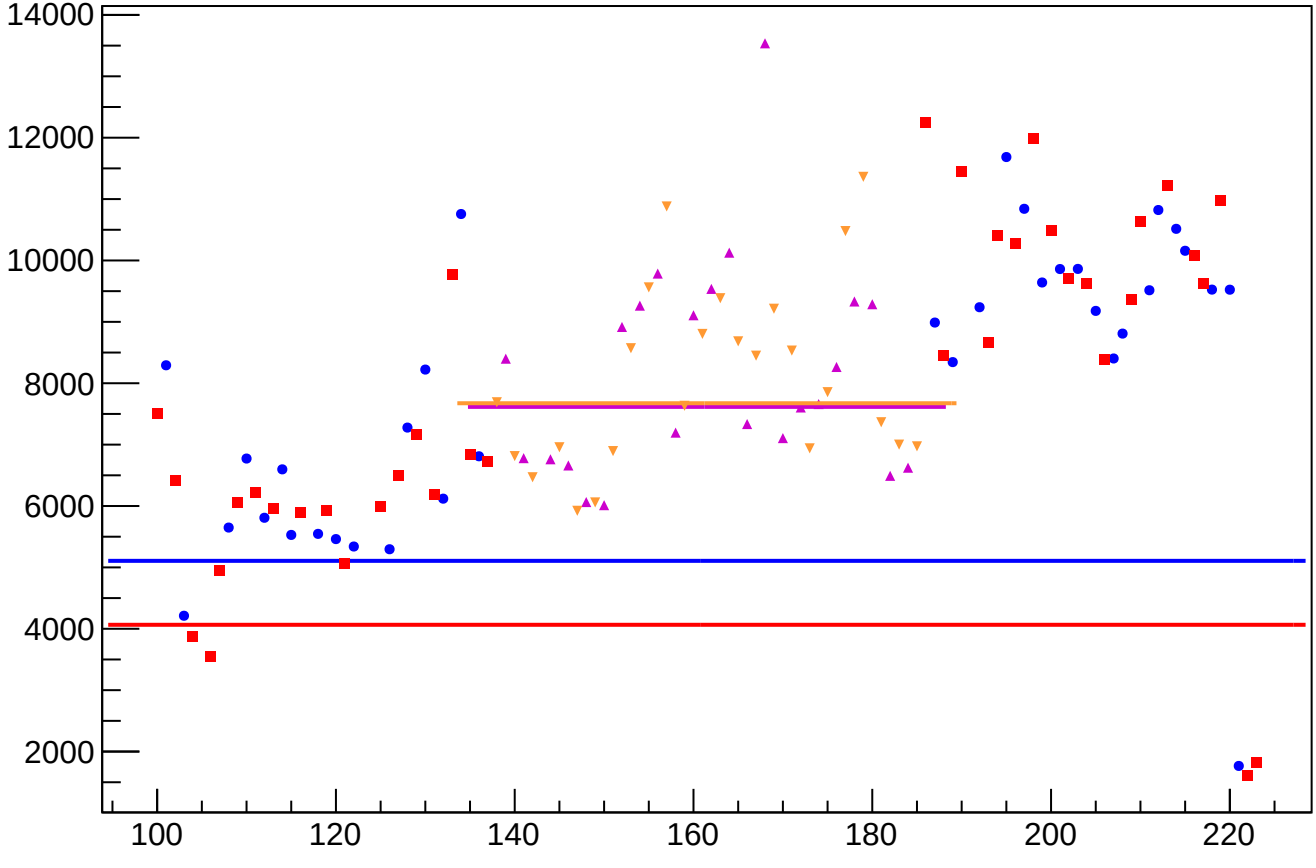
Right: 214.866+/-837.337 χ^2/NDF: 84.3/70

In: -387.037+/-1057.686 χ^2/NDF:53.1/56

Out: 720.289+/-937.440 χ^2/NDF:73.9/60

All: 233.122+/-701.548 χ^2/NDF: 127.6/117

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

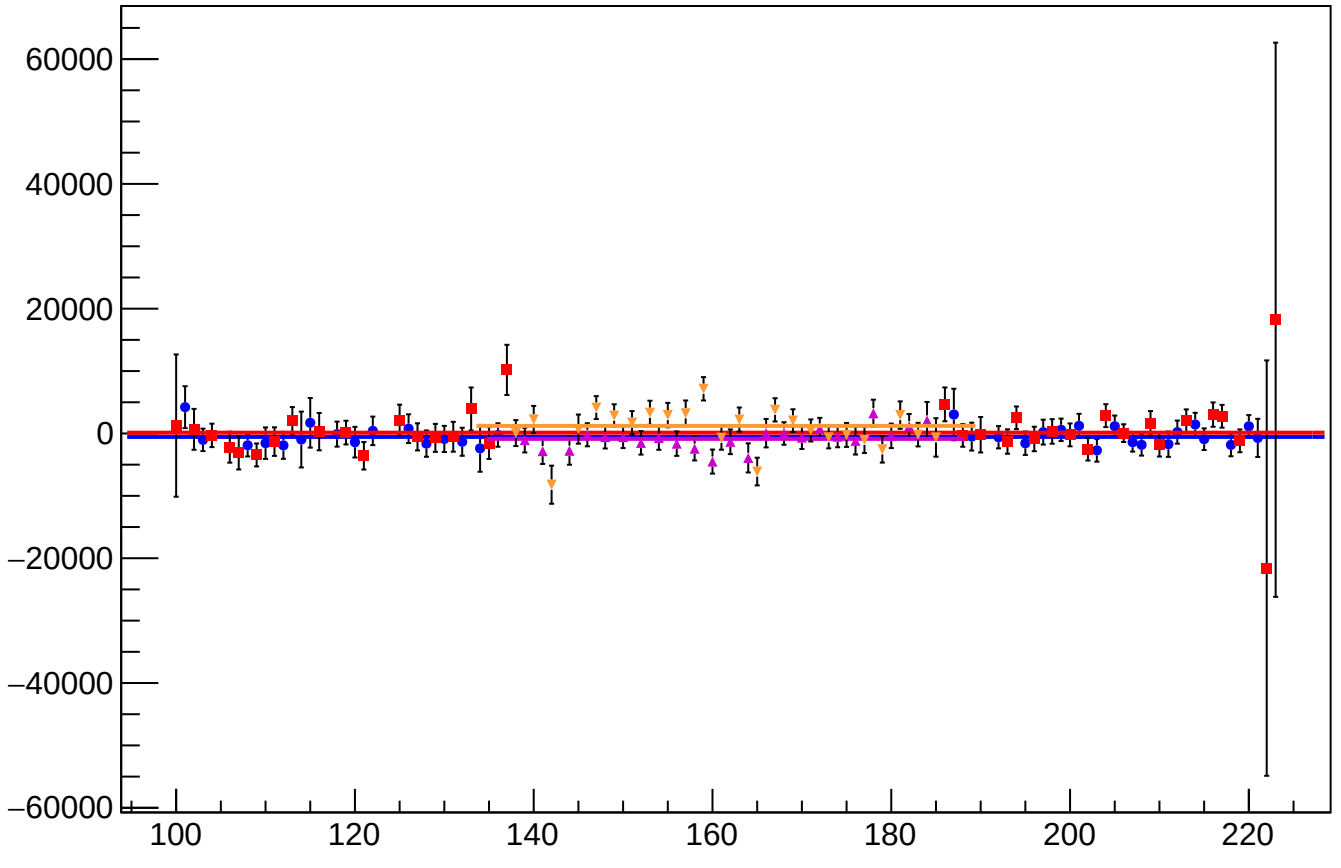
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 4496.126+/-0.592 χ^2/NDF: 30240099.6/70

In: 5958.664+/-0.748 χ^2/NDF:16406515.2/56

Out: 5022.627+/-0.663 χ^2/NDF:23685210.7/60

All: 5434.435+/-0.496 χ^2/NDF: 40968989.5/1



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

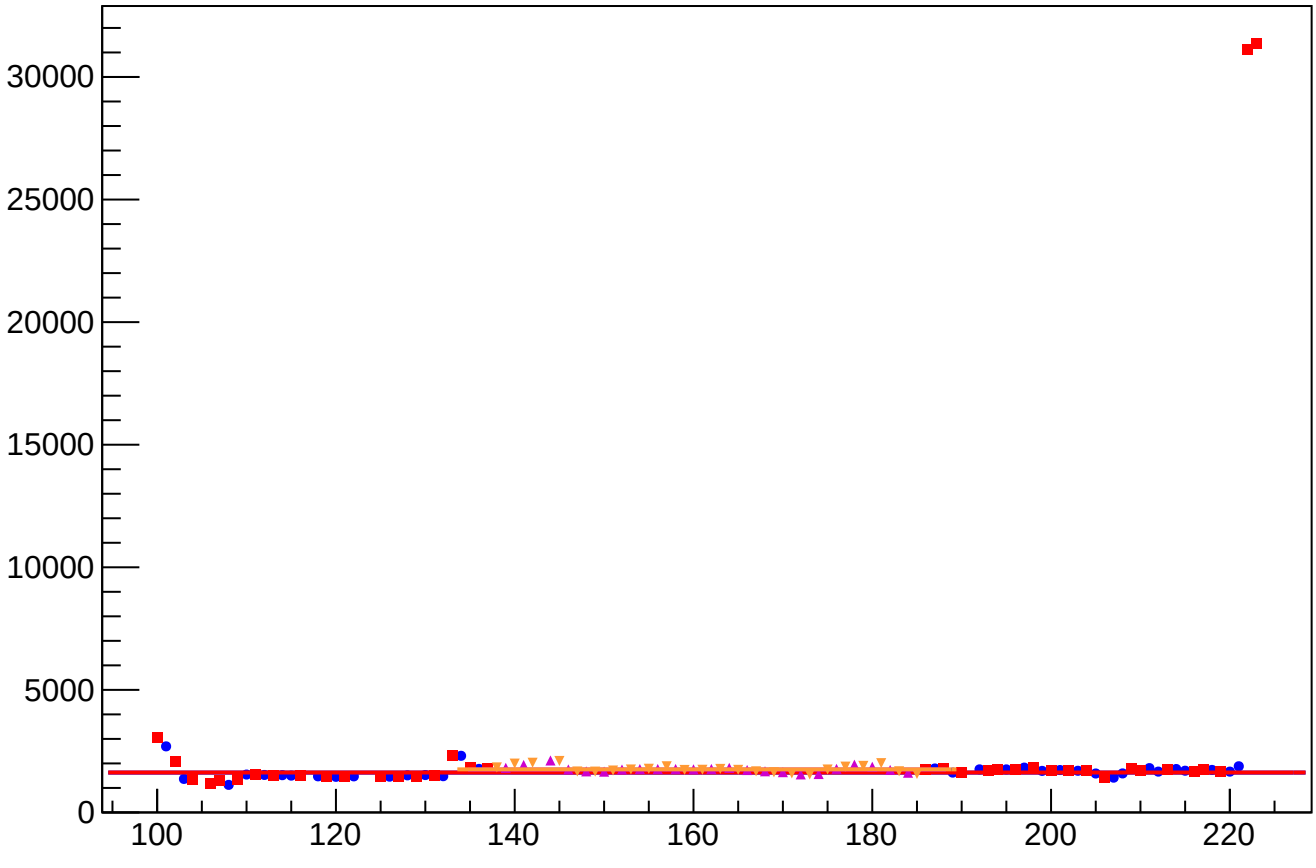
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -215.887+/-252.093 χ^2/NDF: 52.4/70

In: -685.664+/-268.066 χ^2/NDF:29.1/56

Out: 600.126+/-269.897 χ^2/NDF:89.4/60

All: -47.146+/-190.195 χ^2/NDF: 129.9/117



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

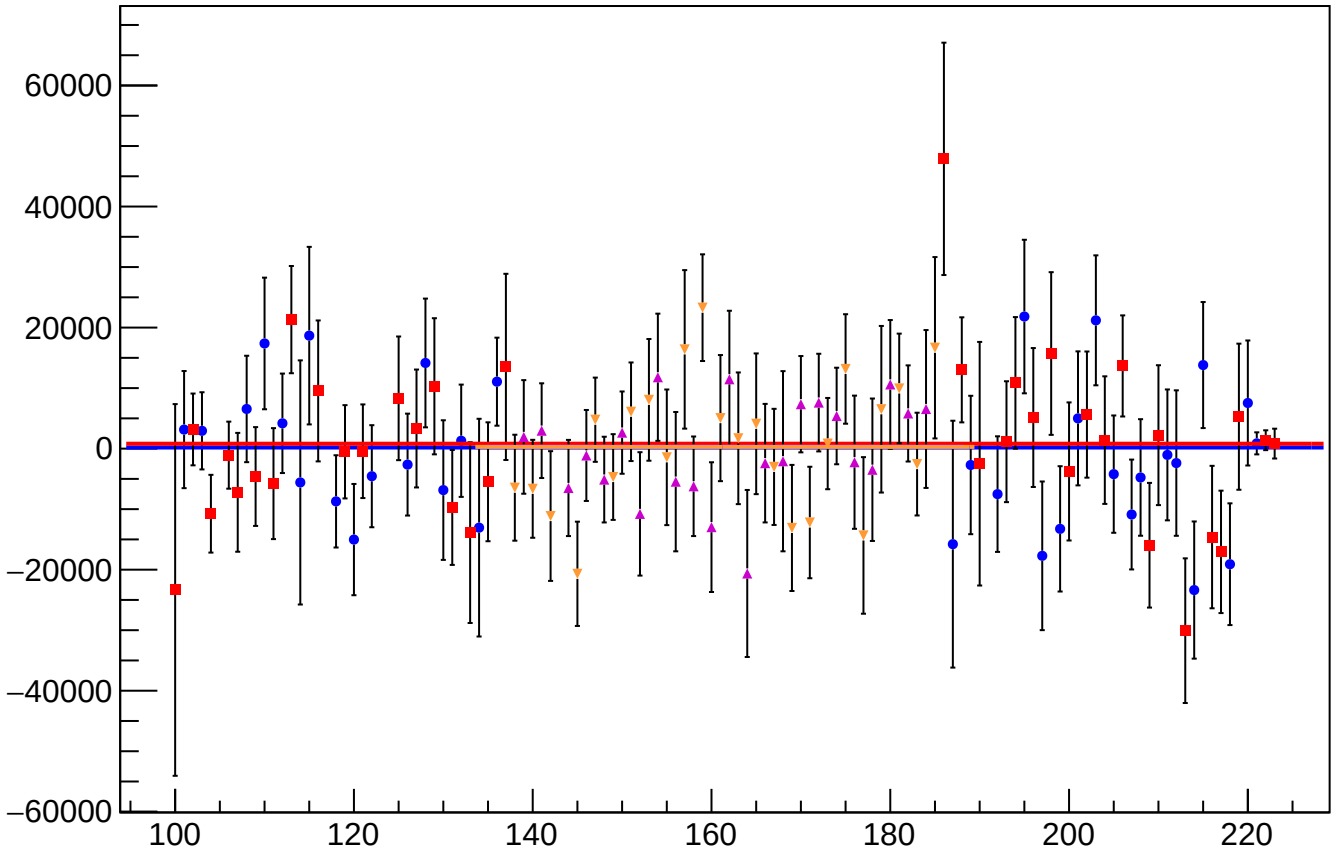
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1627.284+/-0.178 χ^2/NDF: 3749814.5/70

In: 1678.638+/-0.190 χ^2/NDF:978711.6/56

Out: 1685.336+/-0.191 χ^2/NDF:3374461.5/60

All: 1681.965+/-0.134 χ^2/NDF: 4353793.3/11



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

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

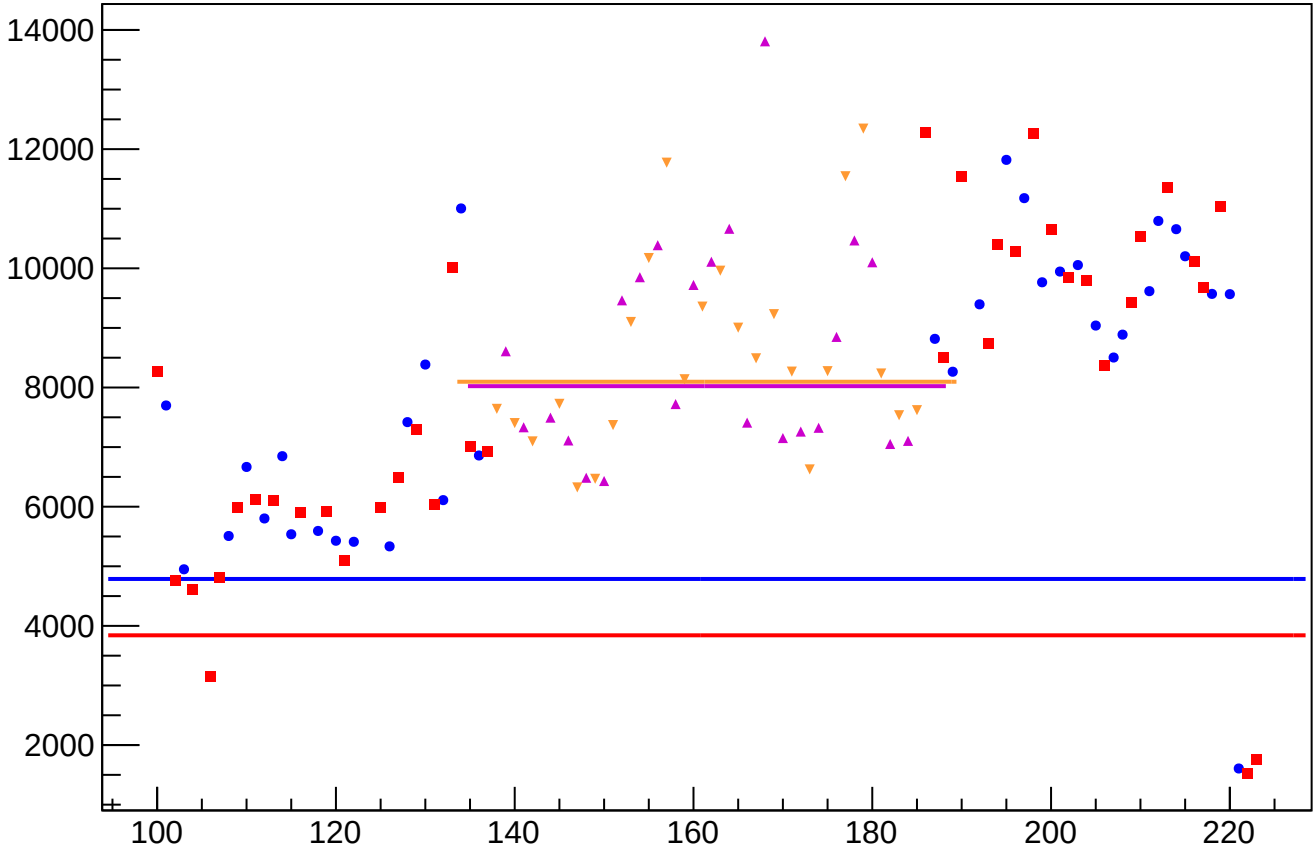
Right: 553.997+/-805.118 χ^2/NDF: 83.0/70

In: 242.648+/-1050.687 χ^2/NDF:52.7/56

Out: 691.282+/-919.984 χ^2/NDF:72.5/60

All: 496.590+/-692.152 χ^2/NDF: 125.3/117

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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

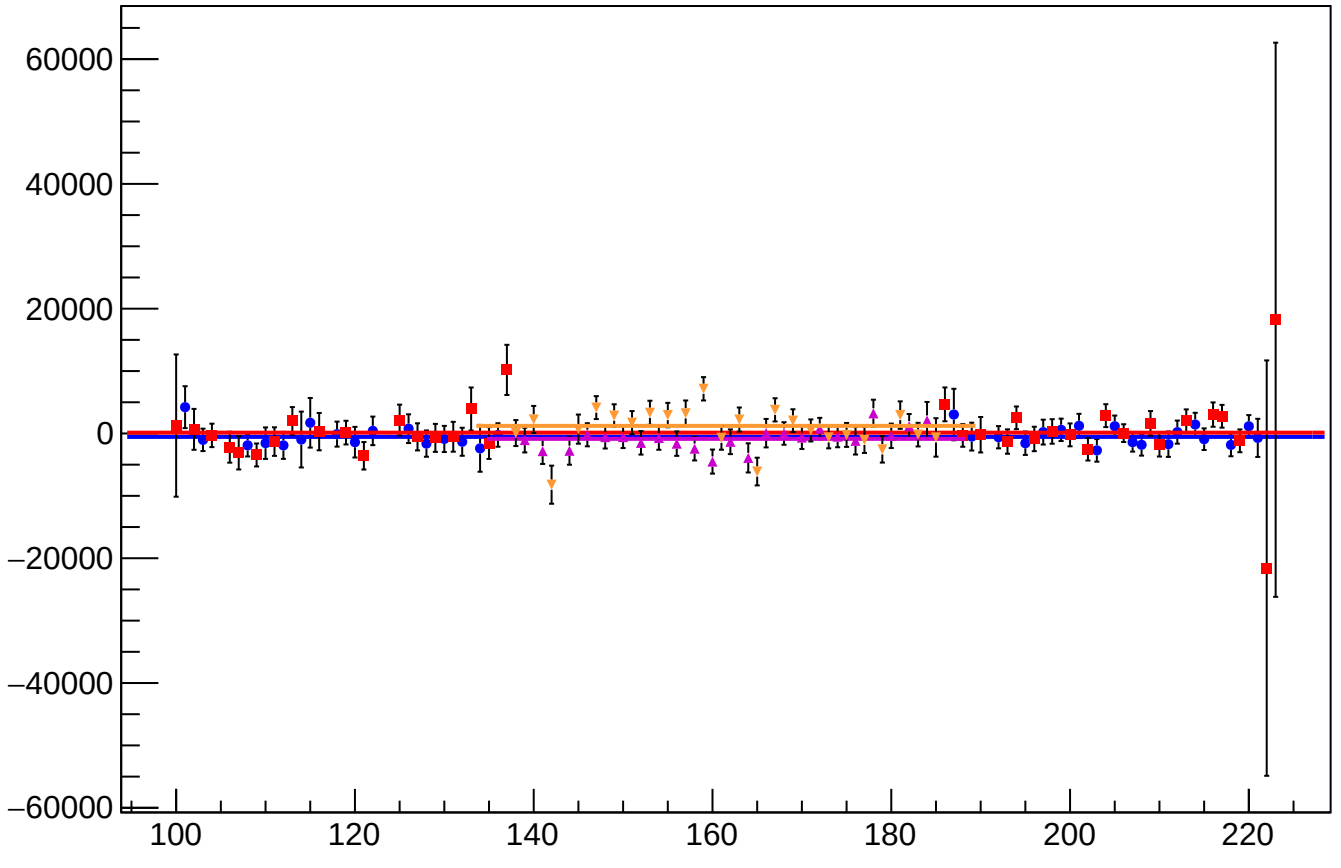
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 4229.340+/-0.569 χ^2/NDF: 32982528.2/70

In: 5763.954+/-0.743 χ^2/NDF:19643098.8/56

Out: 4818.487+/-0.651 χ^2/NDF:26549005.0/60

All: 5228.788+/-0.489 χ^2/NDF: 47108783.7/1



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

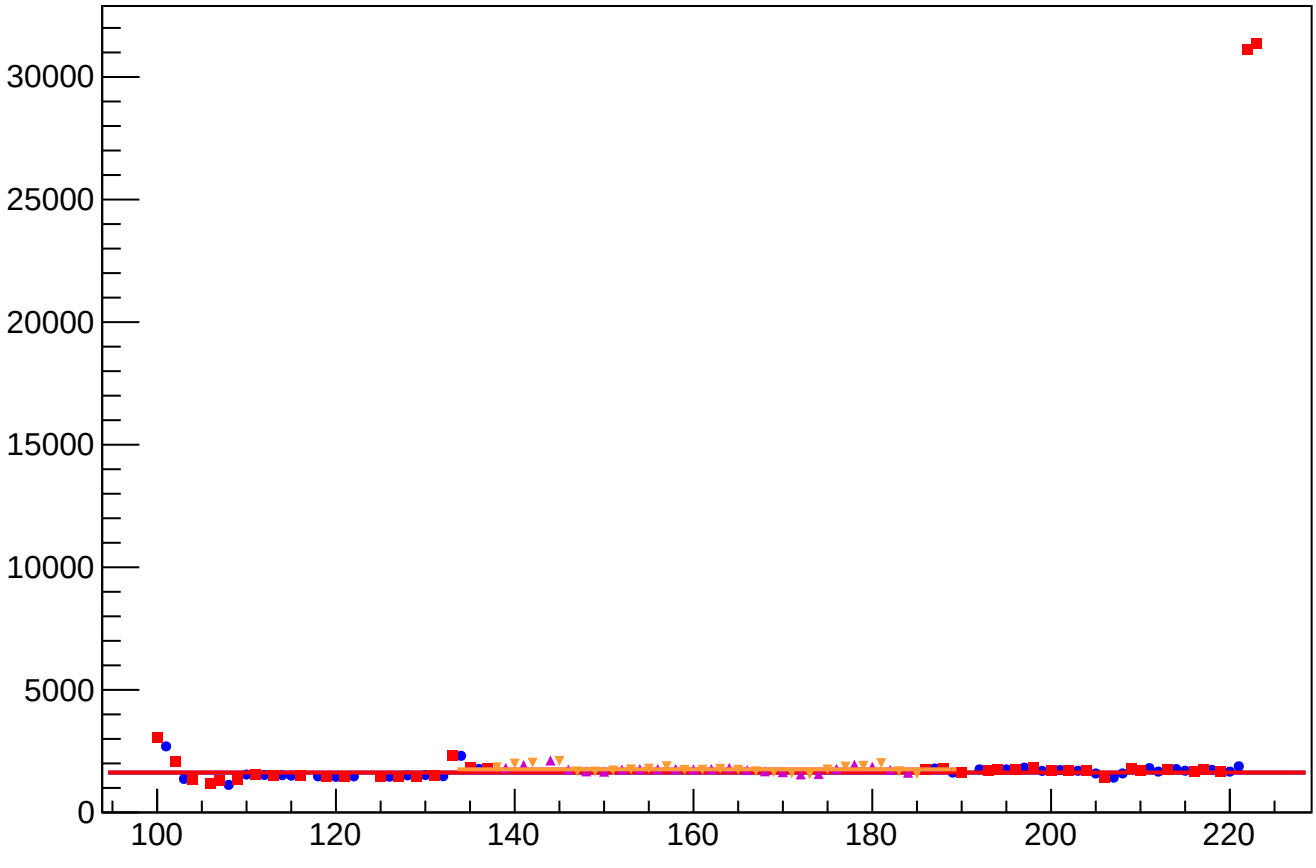
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -215.884+/-252.093 χ^2/NDF: 52.4/70

In: -685.661+/-268.066 χ^2/NDF:29.1/56

Out: 600.129+/-269.897 χ^2/NDF:89.4/60

All: -47.143+/-190.195 χ^2/NDF: 129.9/117



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

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

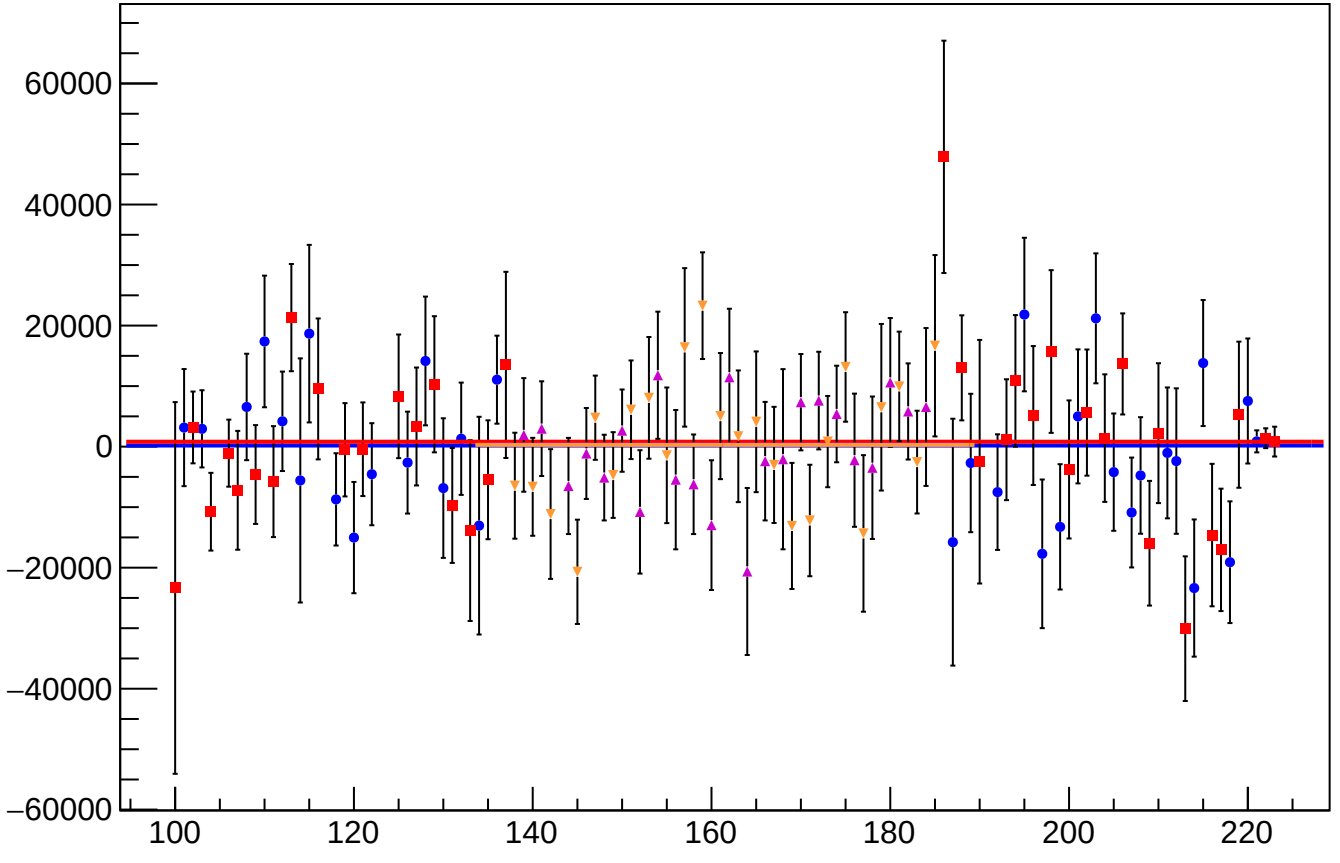
Right: 1627.284+/-0.178 χ^2/NDF: 3749815.6/70

In: 1678.640+/-0.190 χ^2/NDF:978724.1/56

Out: 1685.338+/-0.191 χ^2/NDF:3374475.1/60

All: 1681.966+/-0.134 χ^2/NDF: 4353819.3/11

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

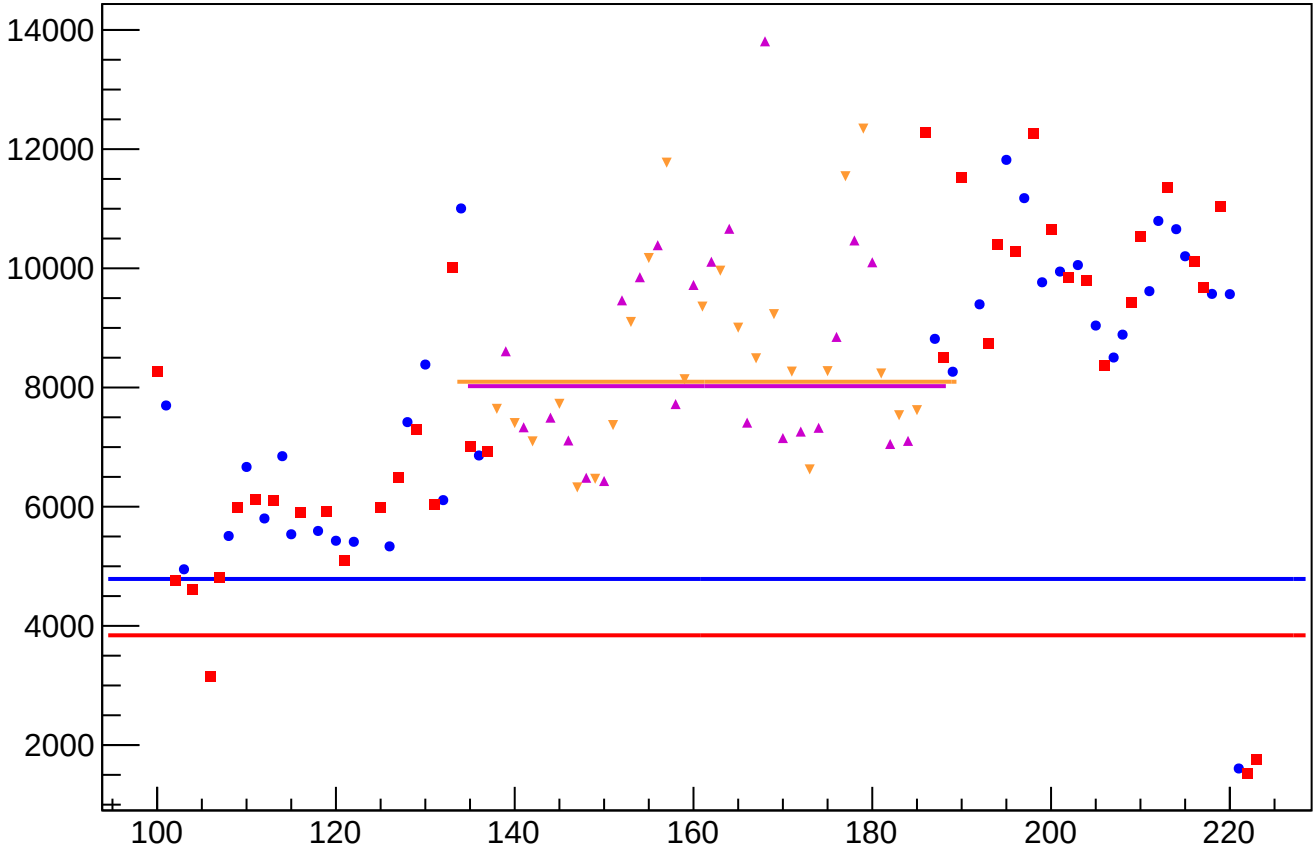
Right: 553.993+/-805.118 χ^2/NDF: 83.0/70

In: 242.648+/-1050.688 χ^2/NDF:52.7/56

Out: 691.278+/-919.985 χ^2/NDF:72.5/60

All: 496.588+/-692.152 χ^2/NDF: 125.3/117

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

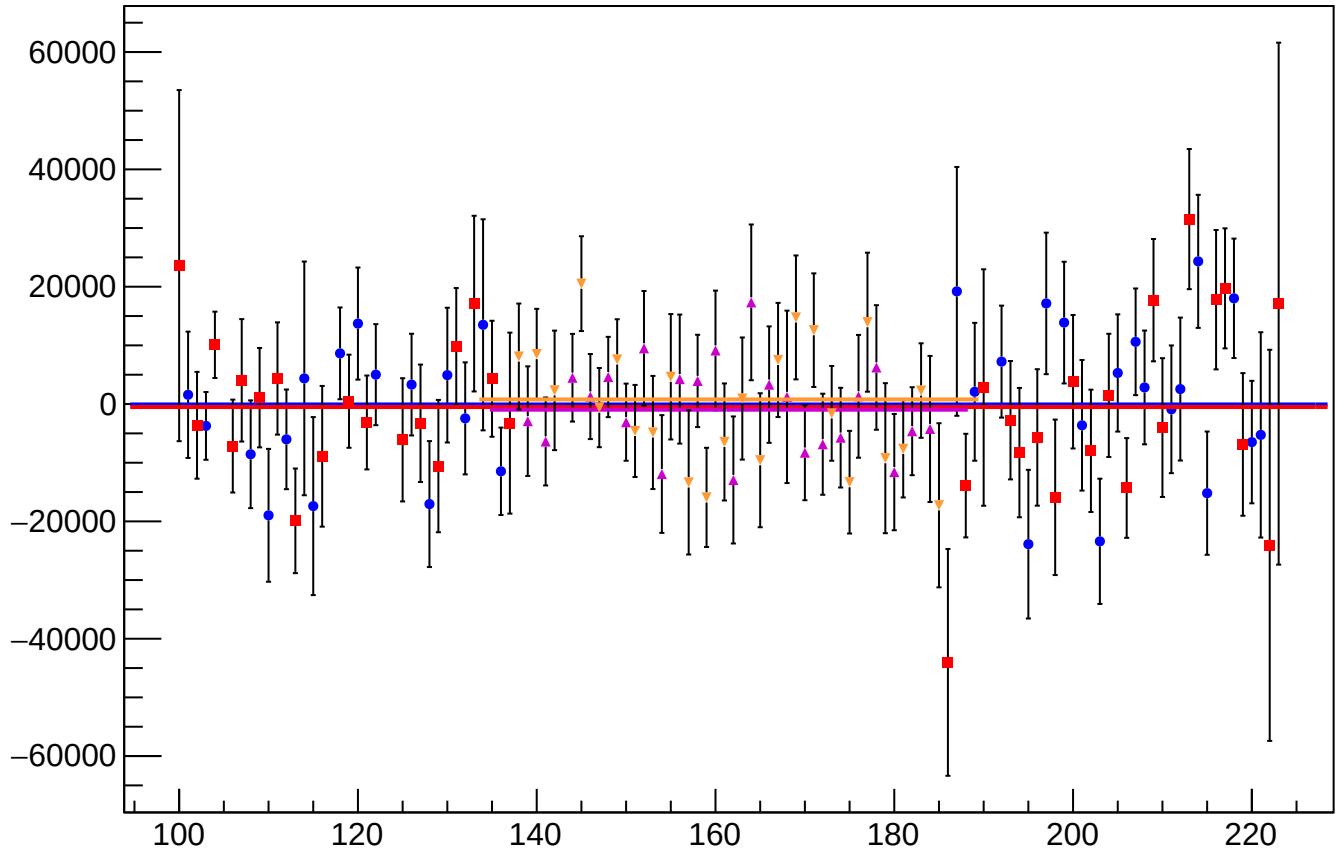
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 4229.345+/-0.569 χ^2/NDF: 32982479.2/70

In: 5763.959+/-0.743 χ^2/NDF:19643091.0/56

Out: 4818.493+/-0.651 χ^2/NDF:26548984.0/60

All: 5228.793+/-0.489 χ^2/NDF: 47108753.3/1



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

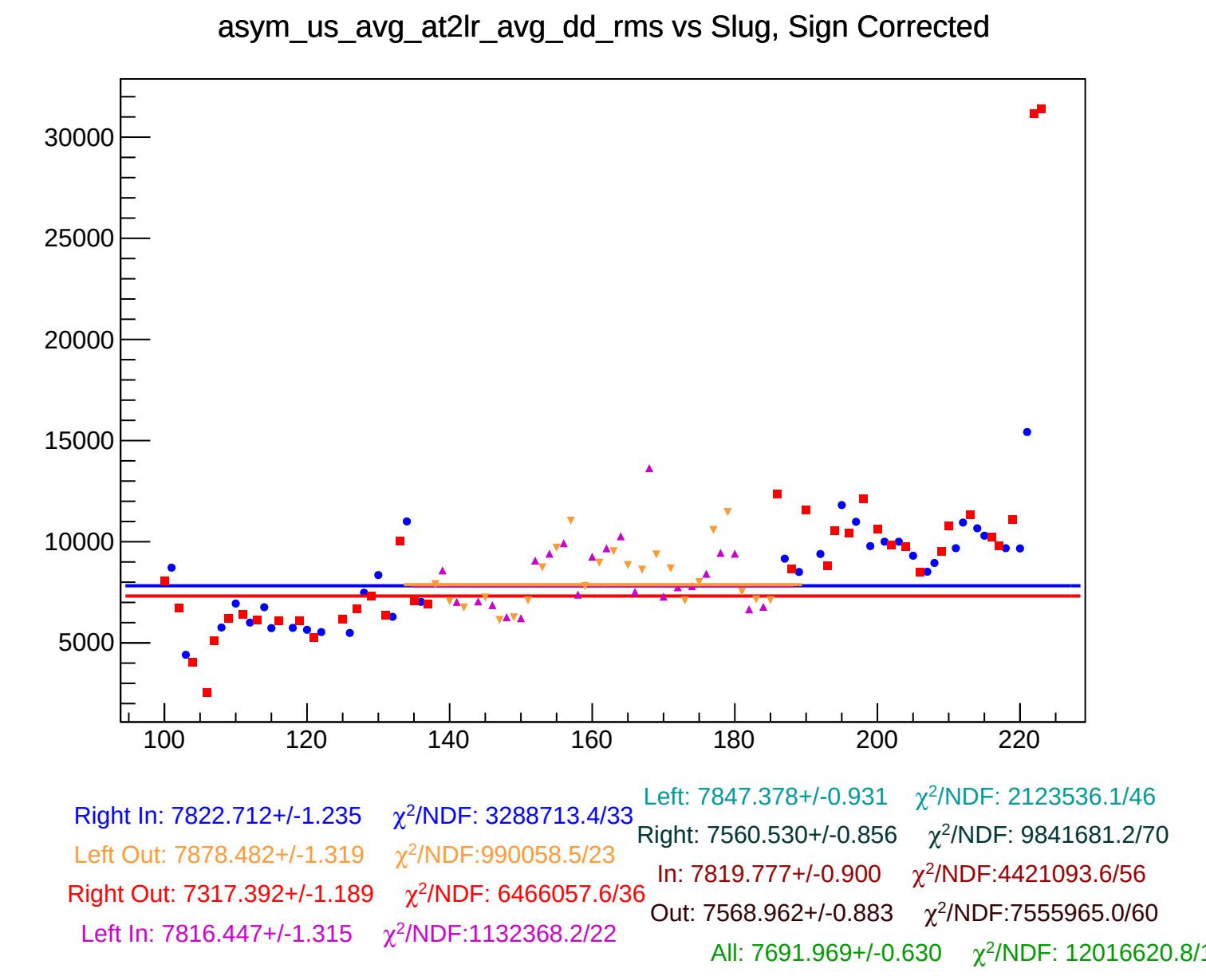
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -294.382+/-1224.981 χ^2/NDF: 86.3/70

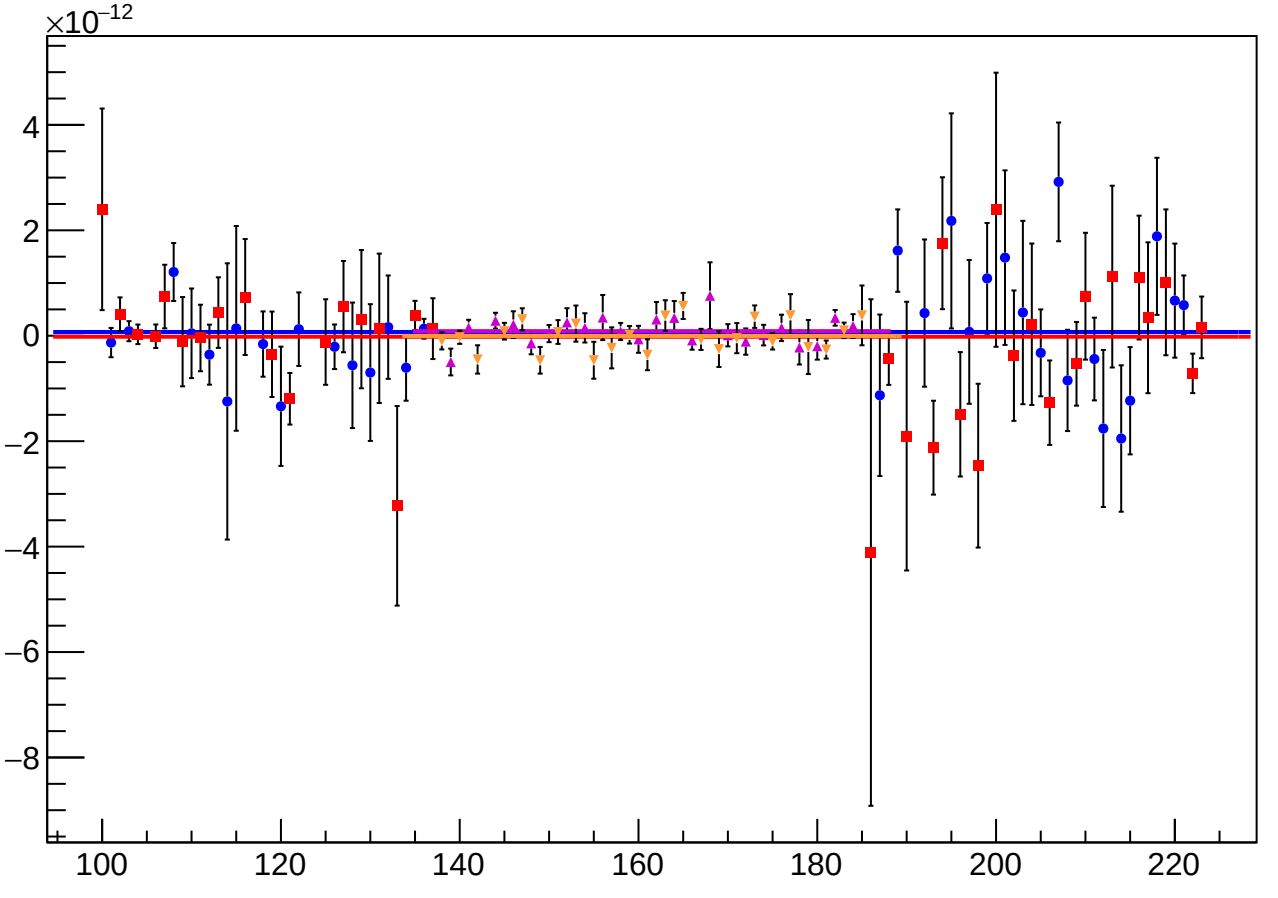
In: -489.838+/-1273.013 χ^2/NDF:54.1/56

Out: 87.702+/-1264.019 χ^2/NDF:72.5/60

All: -199.021+/-896.959 χ^2/NDF: 126.7/117


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 7822.712+/-1.235 χ²/NDF: 3288713.4/33
Left Out: 7878.482+/-1.319 χ²/NDF:990058.5/23
Right Out: 7317.392+/-1.189 χ²/NDF: 6466057.6/36
Left In: 7816.447+/-1.315 χ²/NDF:1132368.2/22
Left: 7847.378+/-0.931 χ²/NDF: 2123536.1/46
Right: 7560.530+/-0.856 χ²/NDF: 9841681.2/70
In: 7819.777+/-0.900 χ²/NDF:4421093.6/56
Out: 7568.962+/-0.883 χ²/NDF:7555965.0/60
All: 7691.969+/-0.630 χ²/NDF: 12016620.8/1

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

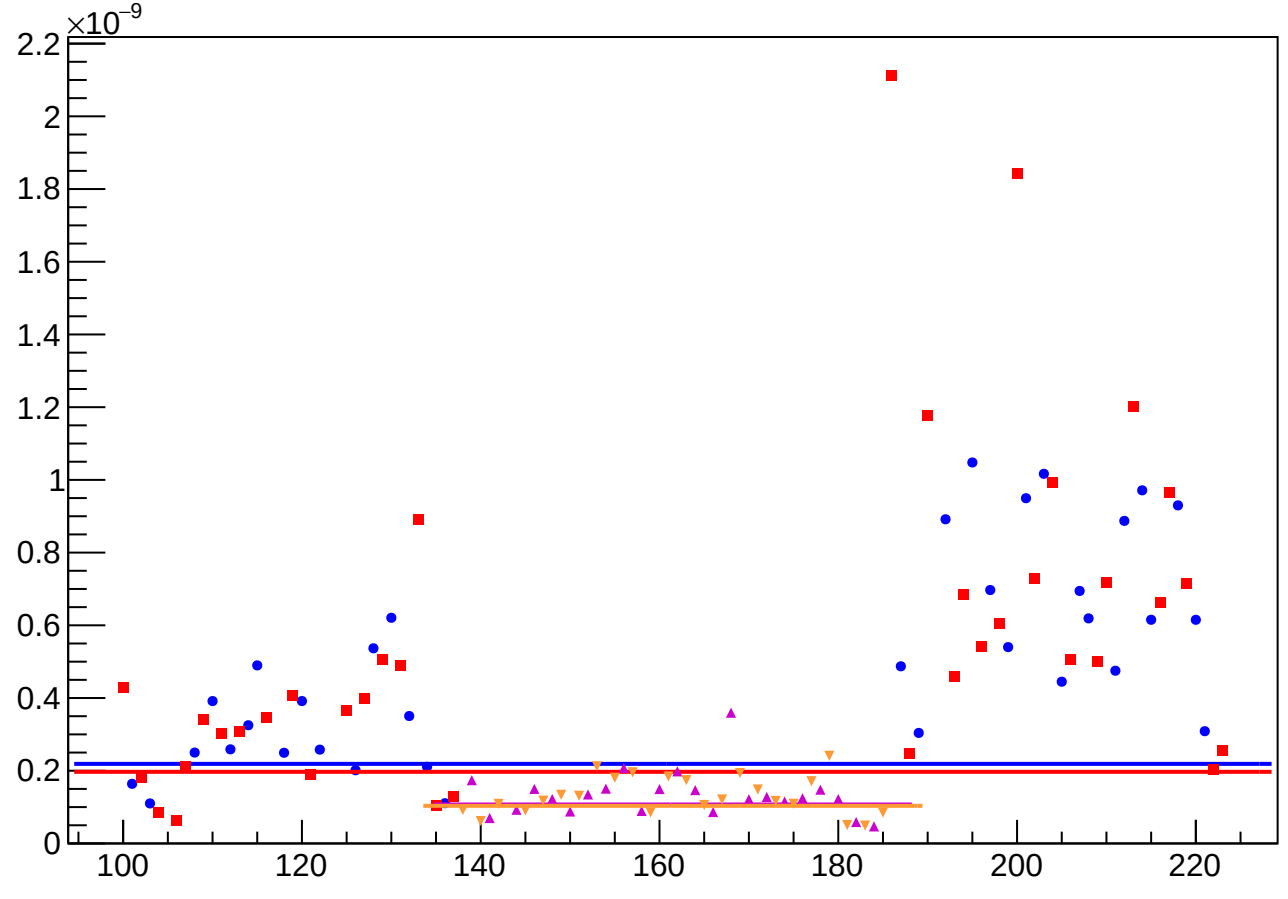
Right: 0.000+/-0.000 χ^2/NDF: 74.3/70

In: 0.000+/-0.000 χ^2/NDF:52.3/56

Out: -0.000+/-0.000 χ^2/NDF:69.6/60

All: 0.000+/-0.000 χ^2/NDF: 124.4/117

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

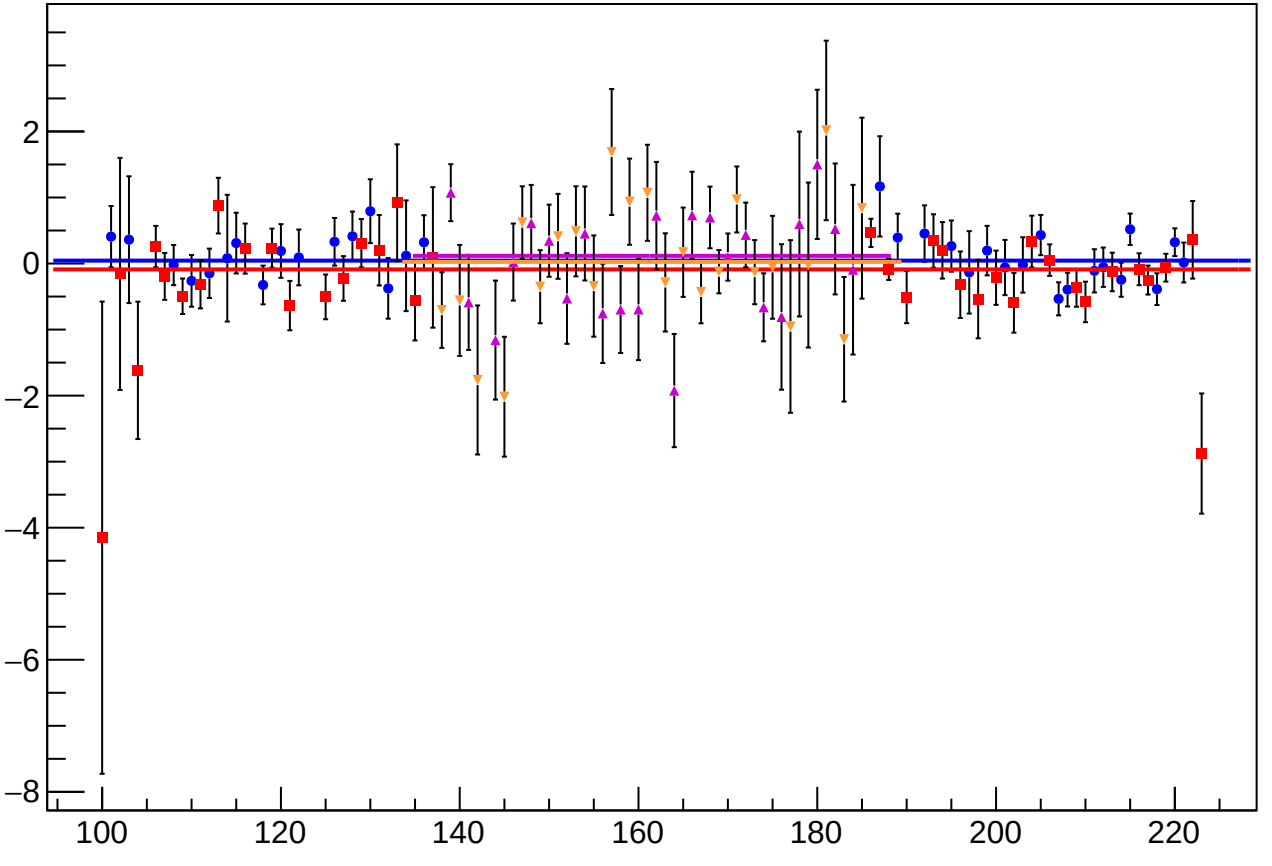
Right: 0.000+/-0.000 χ^2/NDF: 16003383.4/70

In: 0.000+/-0.000 χ^2/NDF:11054018.1/56

Out: 0.000+/-0.000 χ^2/NDF:12324303.3/60

All: 0.000+/-0.000 χ^2/NDF: 23403281.9/117

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

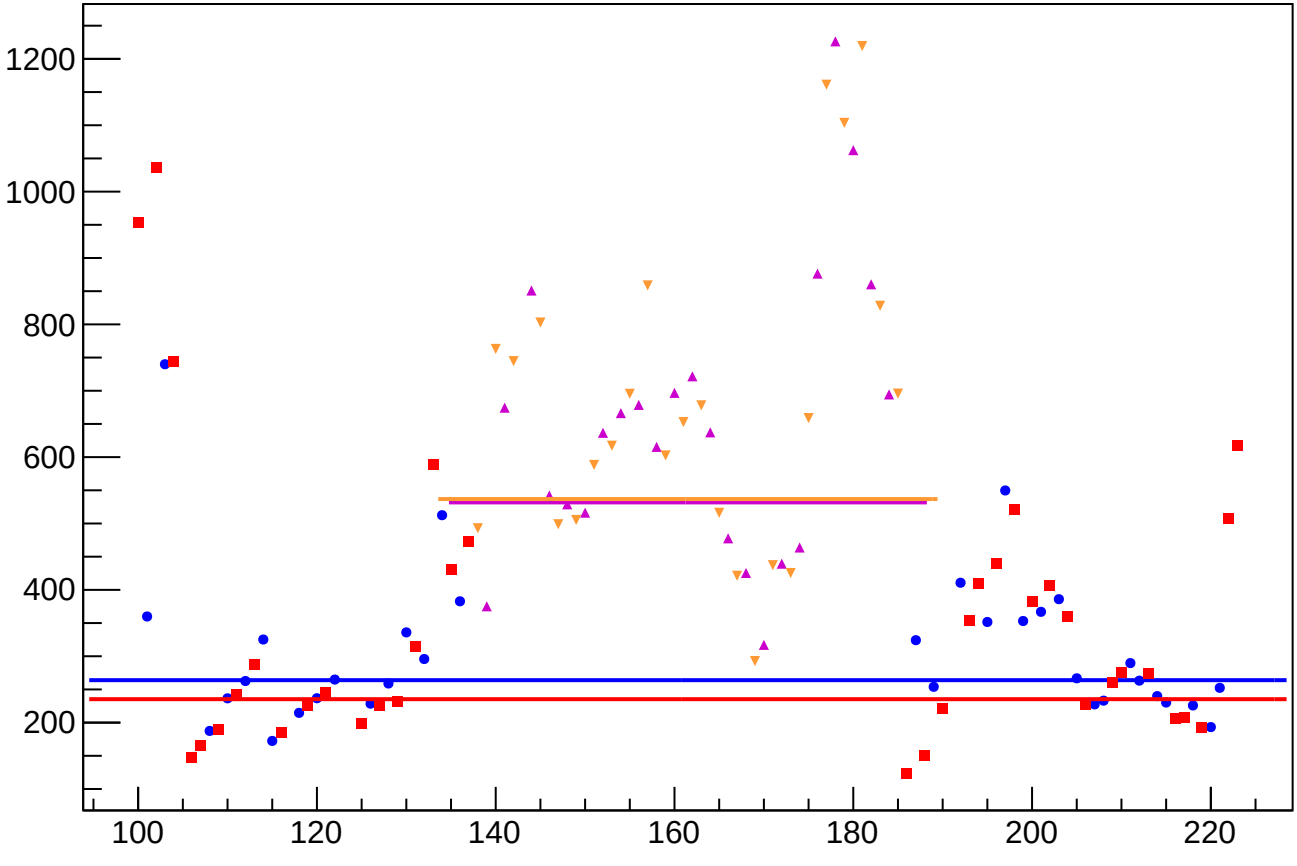
Right: -0.027+/-0.041 χ^2/NDF: 85.8/70

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.072+/-0.051 χ^2/NDF:78.7/60

All: -0.012+/-0.037 χ^2/NDF: 143.8/117

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

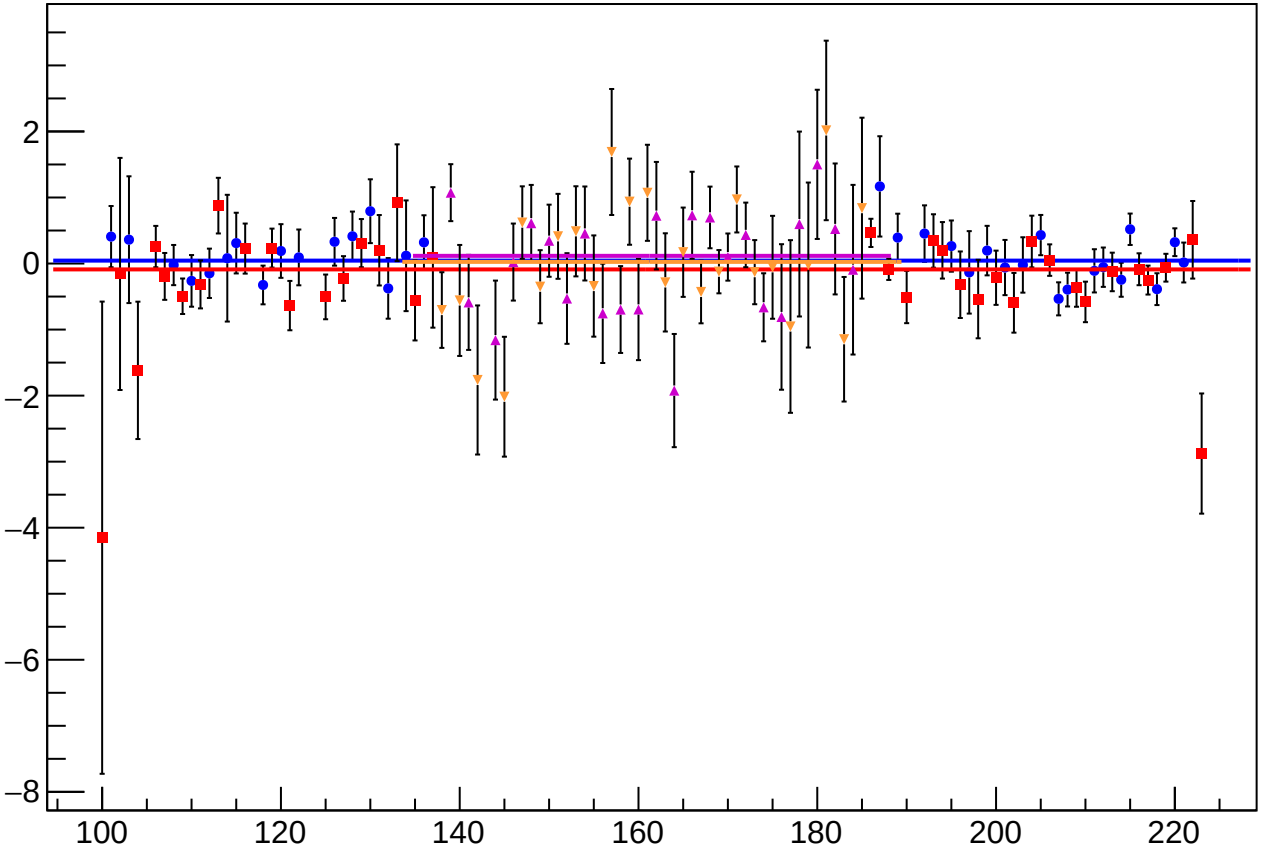
Right: 248.558+/-0.029 χ^2/NDF: 9324758.5/70

In: 309.337+/-0.039 χ^2/NDF:13050947.1/56

Out: 279.455+/-0.036 χ^2/NDF:18808719.1/60

All: 293.473+/-0.026 χ^2/NDF: 32178546.4/11

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

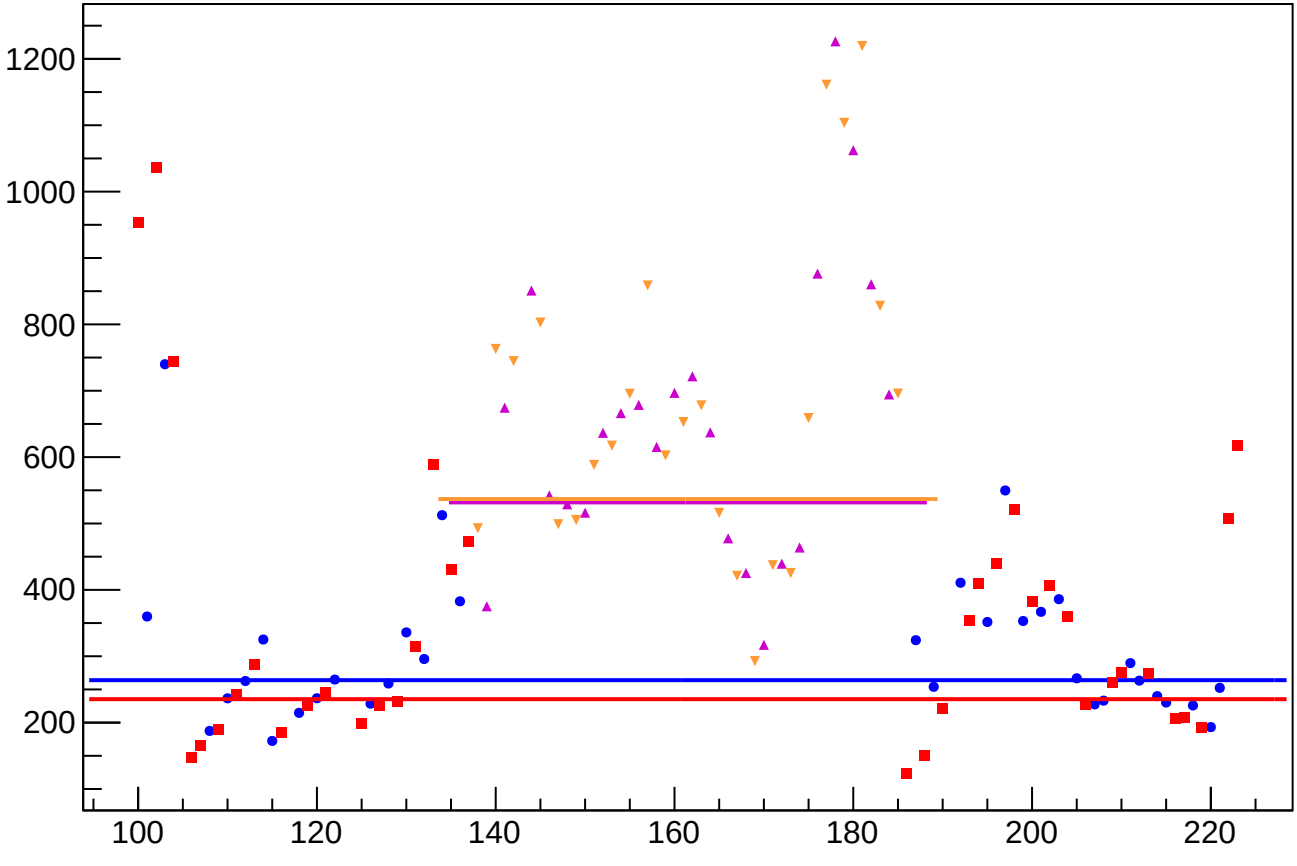
Right: -0.027+/-0.041 χ^2/NDF: 85.8/70

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.072+/-0.051 χ^2/NDF:78.7/60

All: -0.012+/-0.037 χ^2/NDF: 143.8/117

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

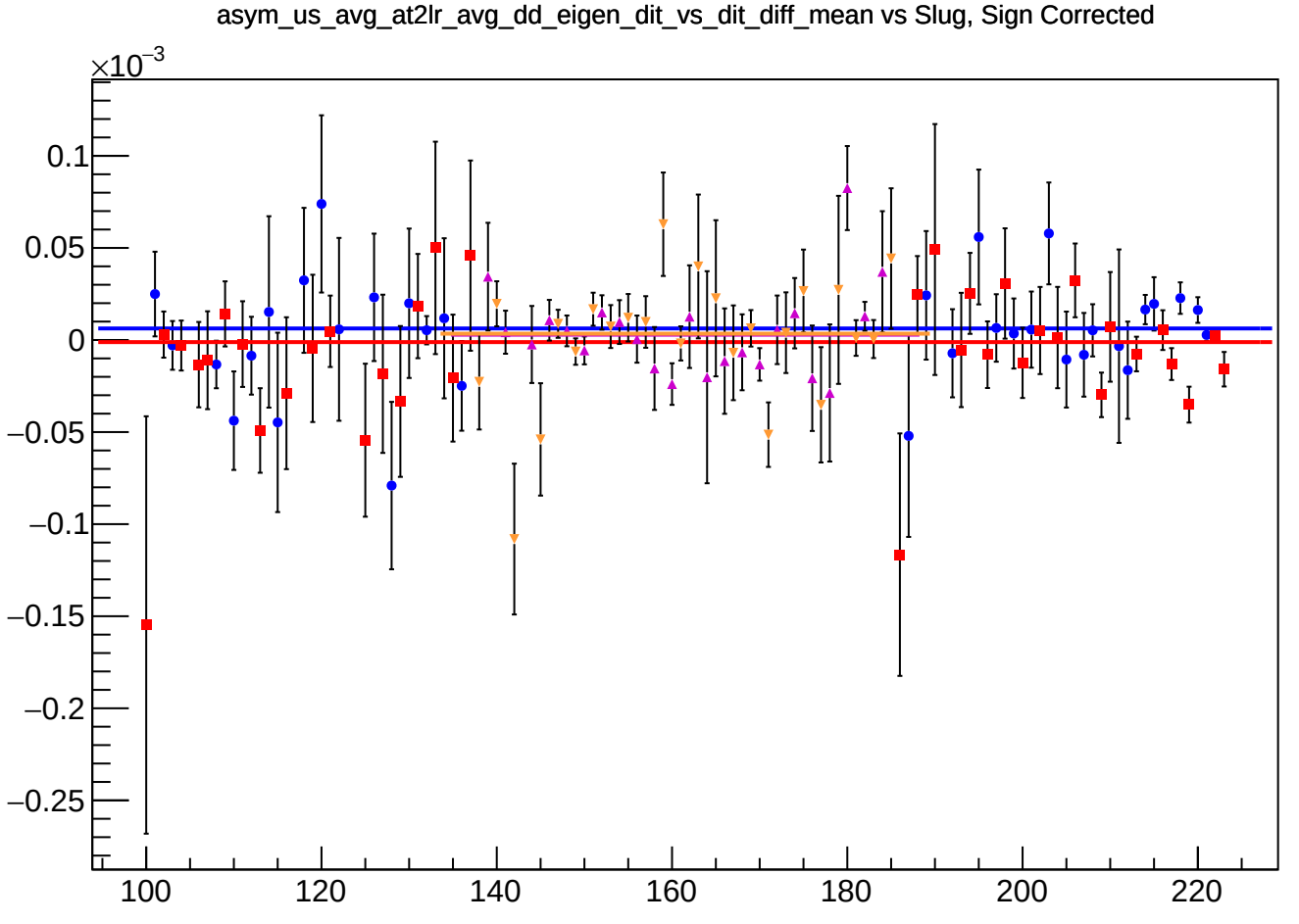
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 248.558+/-0.029 χ^2/NDF: 9324758.5/70

In: 309.337+/-0.039 χ^2/NDF:13050947.1/56

Out: 279.455+/-0.036 χ^2/NDF:18808719.1/60

All: 293.473+/-0.026 χ^2/NDF: 32178546.4/11



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

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

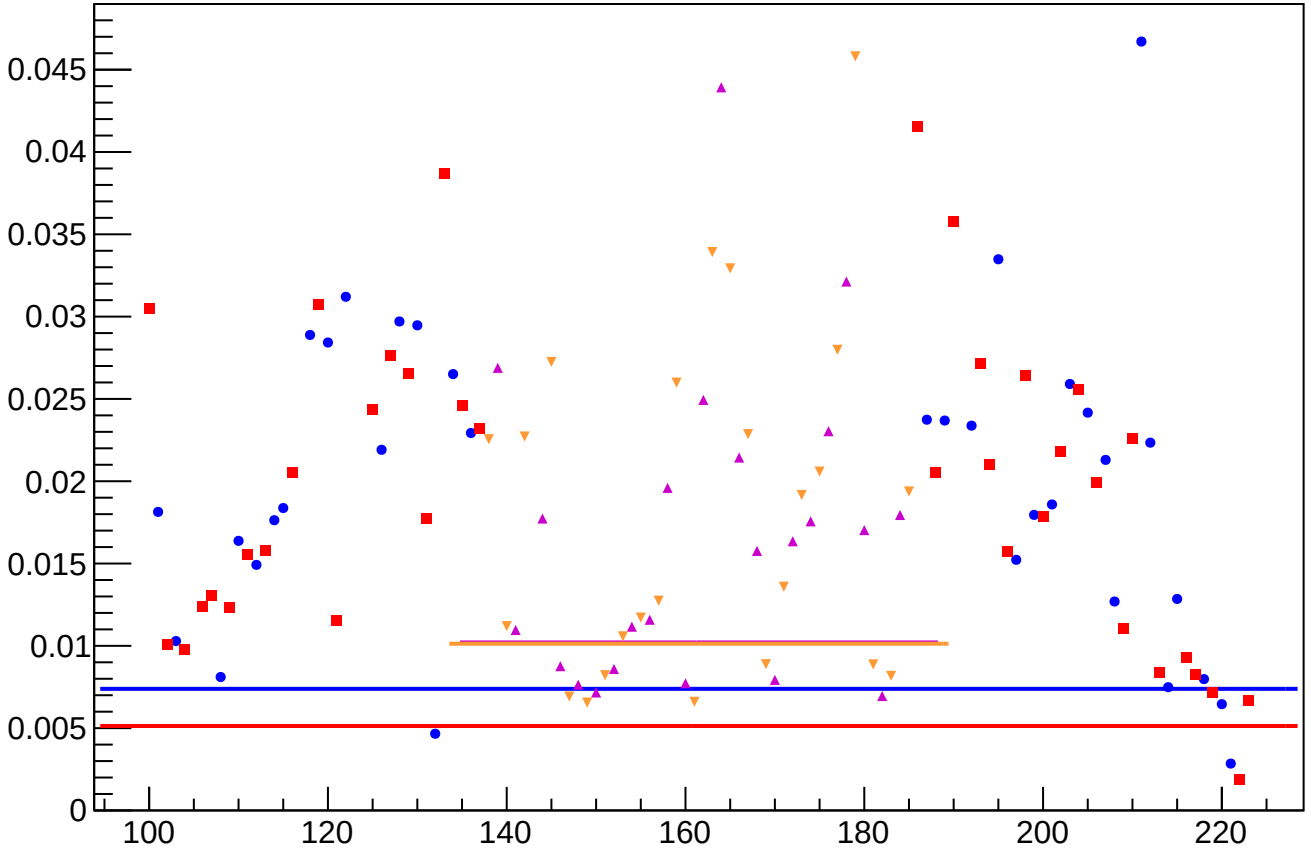
Right: 0.000+/-0.000 χ^2/NDF: 91.7/70

In: 0.000+/-0.000 χ^2/NDF:67.8/56

Out: 0.000+/-0.000 χ^2/NDF:90.8/60

All: 0.000+/-0.000 χ^2/NDF: 163.4/117

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

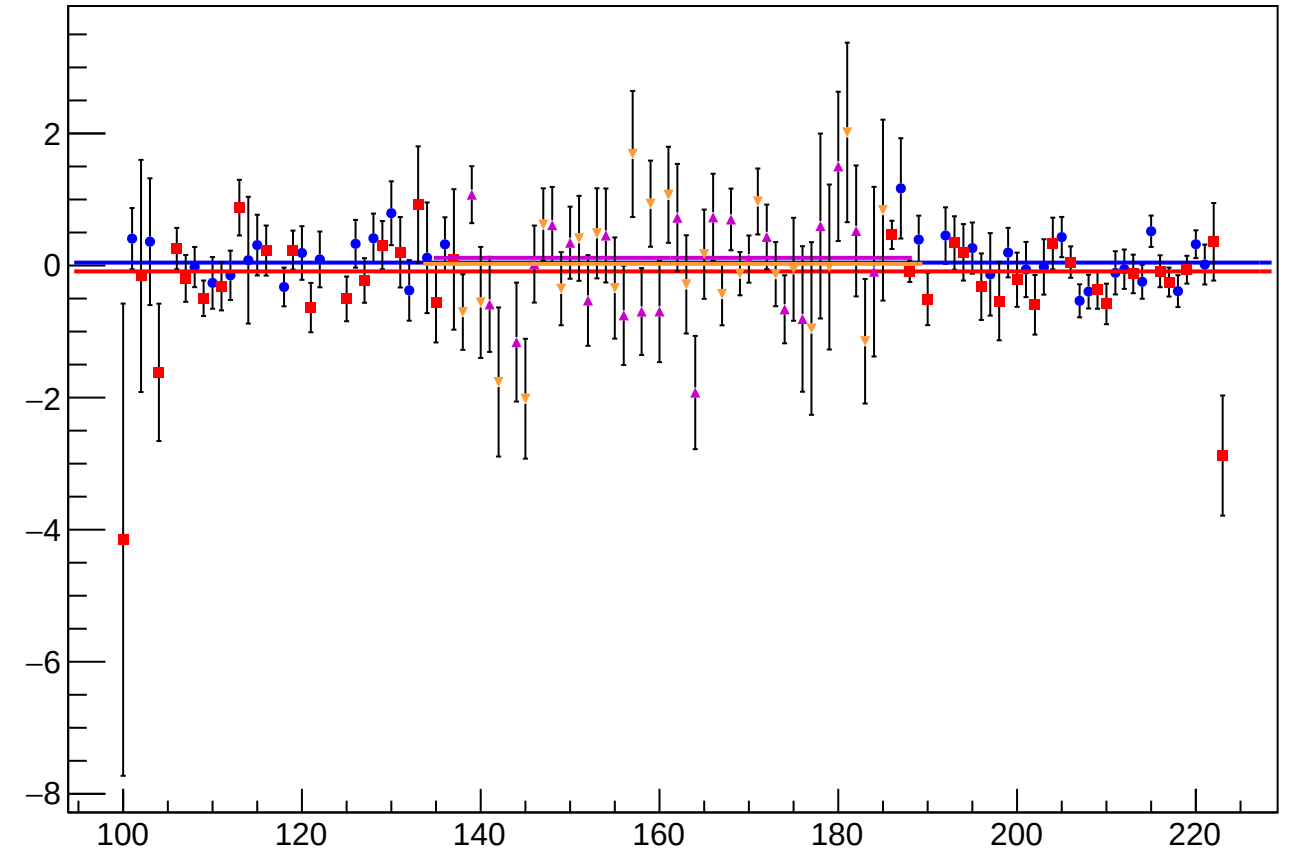
Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

Right: 0.006+/-0.000 χ^2/NDF: 43831594.0/70

In: 0.008+/-0.000 χ^2/NDF:25793848.5/56

Out: 0.006+/-0.000 χ^2/NDF:36669438.8/60

All: 0.007+/-0.000 χ^2/NDF: 63997167.4/117



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

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

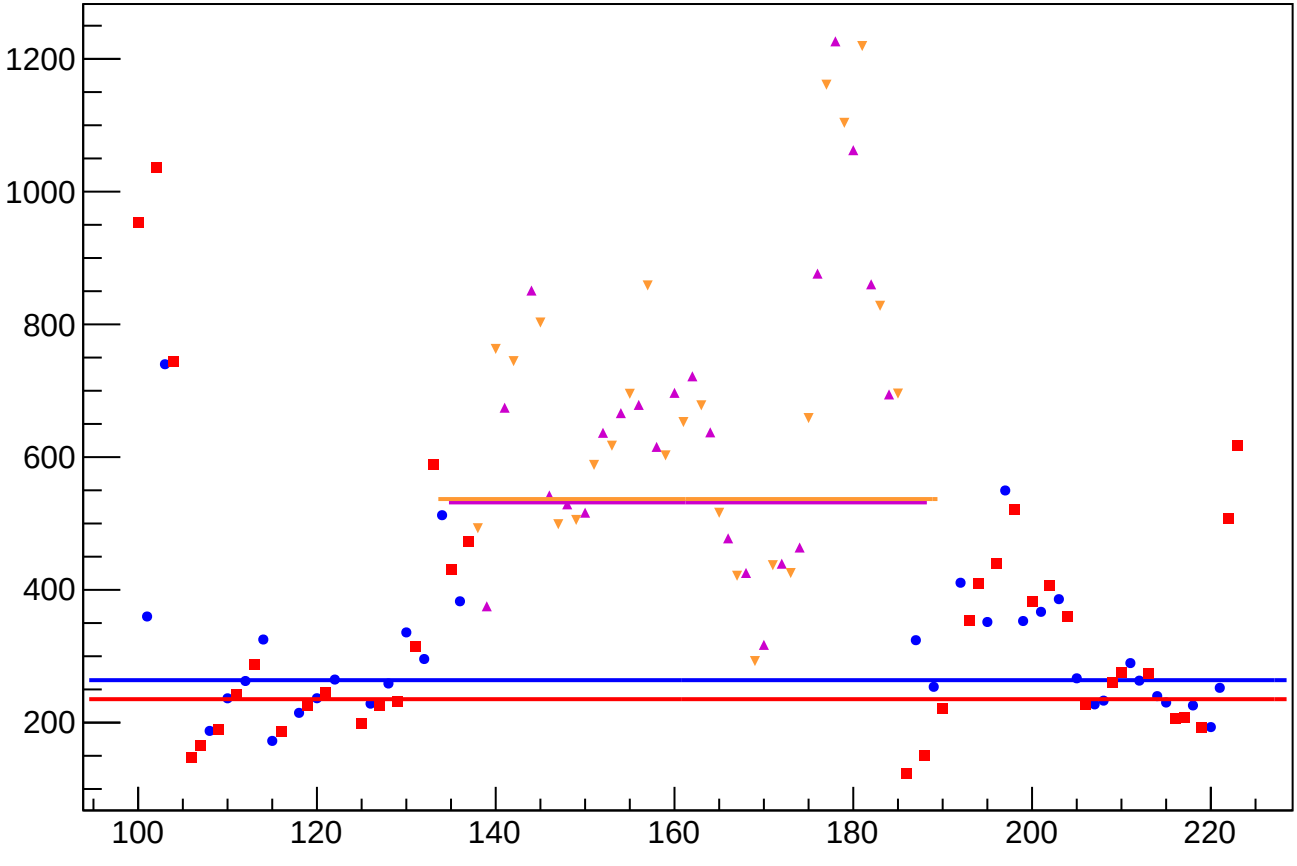
Right: -0.027+/-0.041 χ^2/NDF: 85.8/70

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.072+/-0.051 χ^2/NDF:78.7/60

All: -0.012+/-0.037 χ^2/NDF: 143.8/117

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

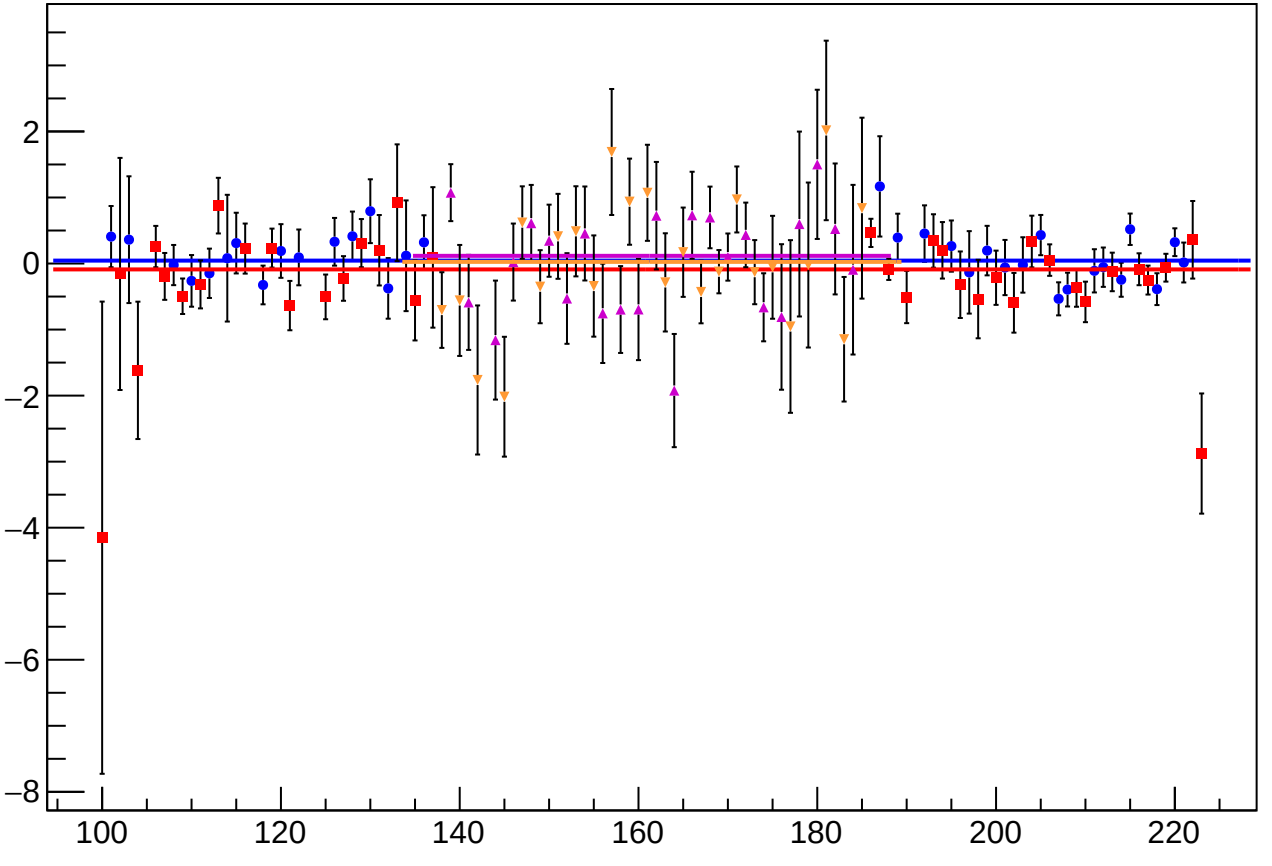
Right: 248.557+/-0.029 χ^2/NDF: 9324858.9/70

In: 309.336+/-0.039 χ^2/NDF:13051176.1/56

Out: 279.453+/-0.036 χ^2/NDF:18809031.5/60

All: 293.471+/-0.026 χ^2/NDF: 32179096.5/1

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

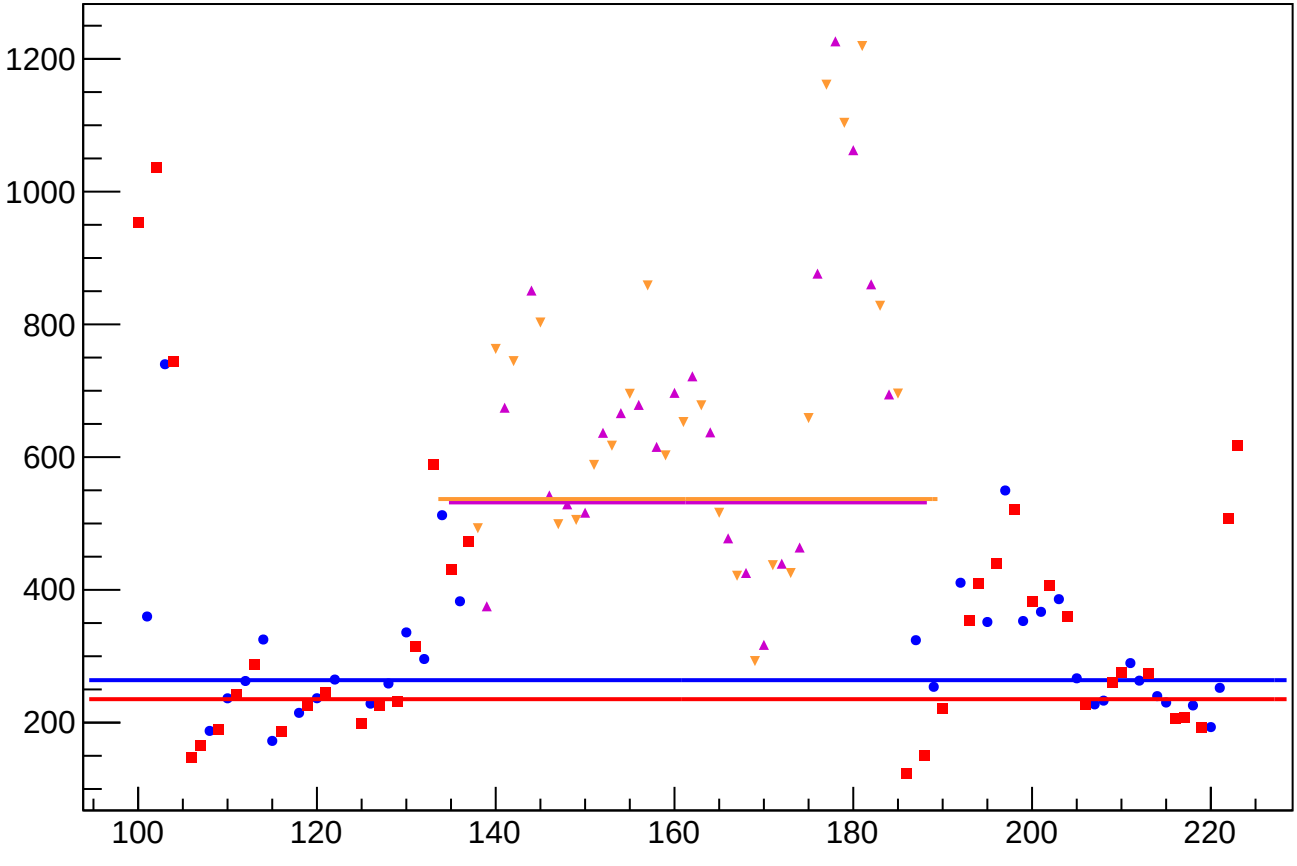
Right: -0.027+/-0.041 χ^2/NDF: 85.8/70

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.072+/-0.051 χ^2/NDF:78.7/60

All: -0.012+/-0.037 χ^2/NDF: 143.8/117

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

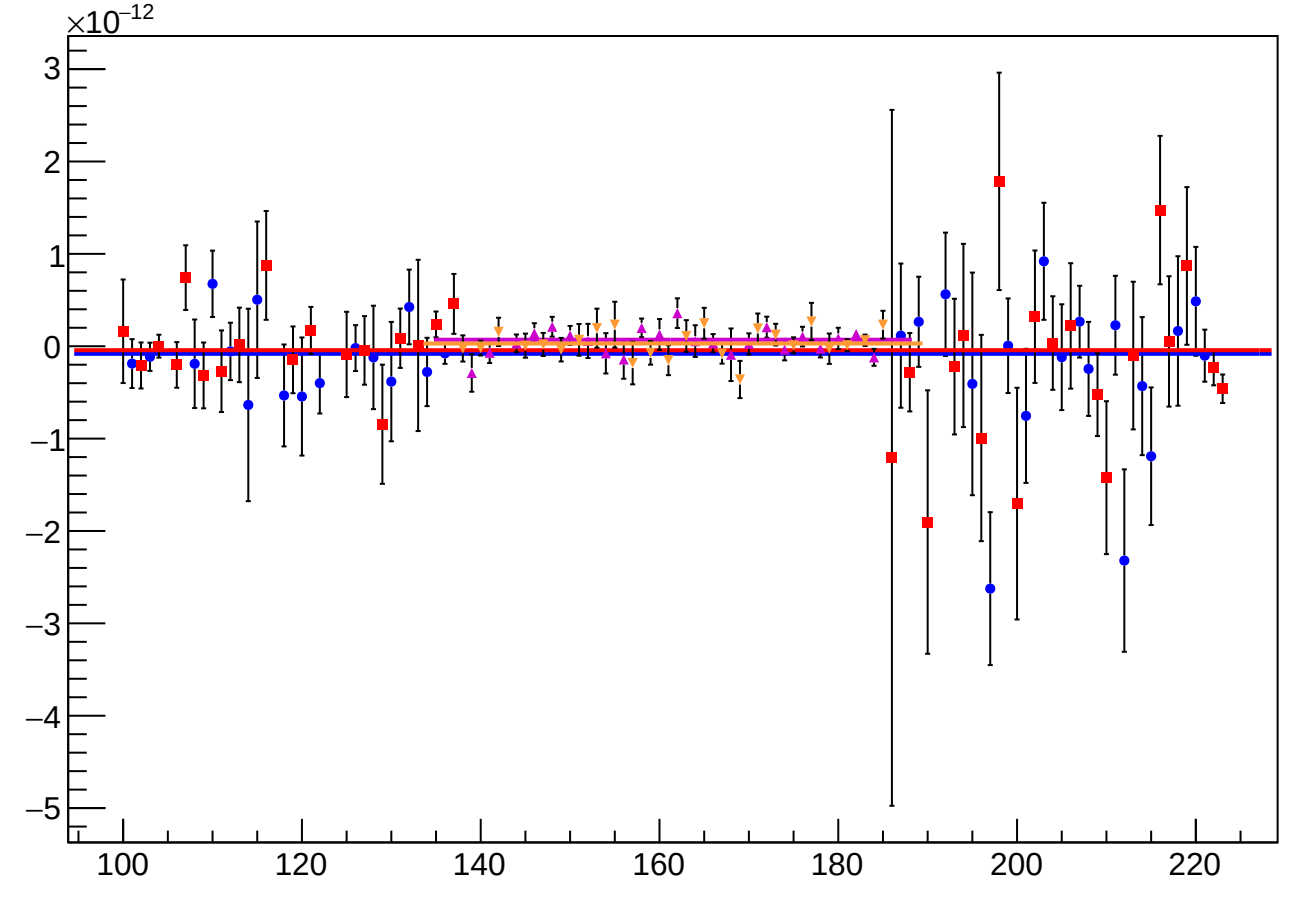
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 248.557+/-0.029 χ^2/NDF: 9324858.9/70

In: 309.336+/-0.039 χ^2/NDF:13051176.1/56

Out: 279.453+/-0.036 χ^2/NDF:18809031.5/60

All: 293.471+/-0.026 χ^2/NDF: 32179096.5/1



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

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

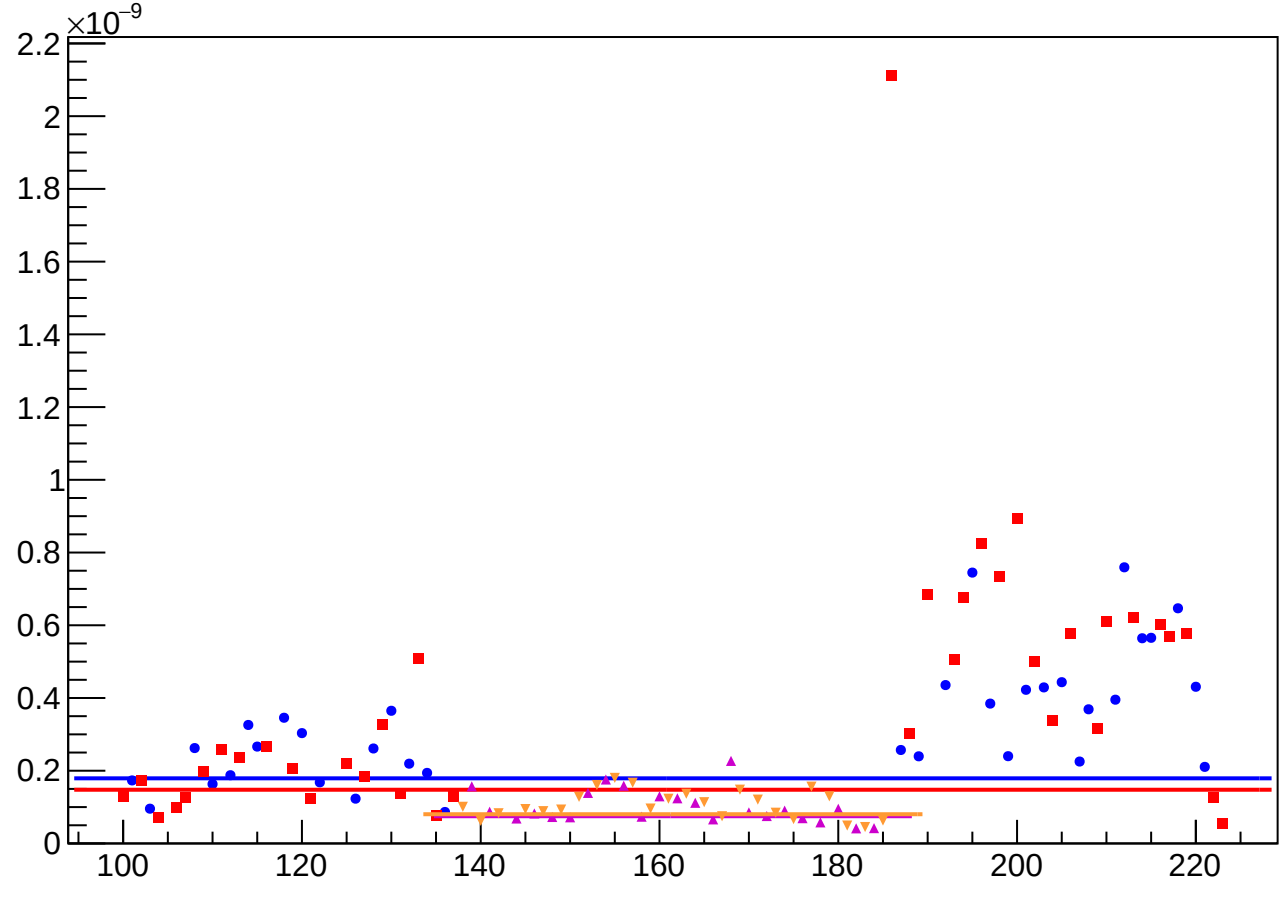
Right: -0.000+/-0.000 χ^2/NDF: 77.1/70

In: 0.000+/-0.000 χ^2/NDF:62.8/56

Out: 0.000+/-0.000 χ^2/NDF:62.1/60

All: 0.000+/-0.000 χ^2/NDF: 126.1/117

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

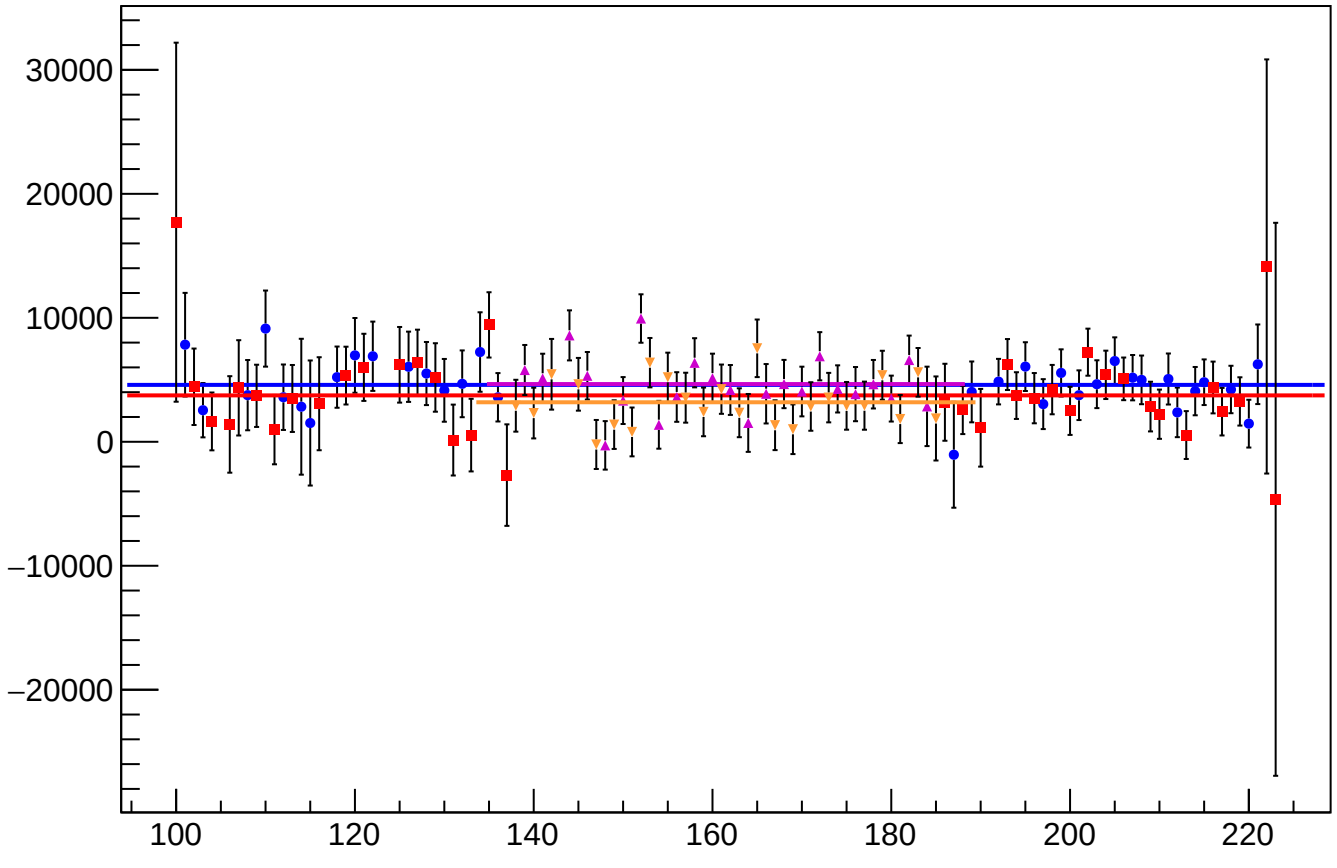
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 20471000.8/70

In: 0.000+/-0.000 χ^2/NDF:16739081.0/56

Out: 0.000+/-0.000 χ^2/NDF:18479356.3/60

All: 0.000+/-0.000 χ^2/NDF: 35248443.1/117



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

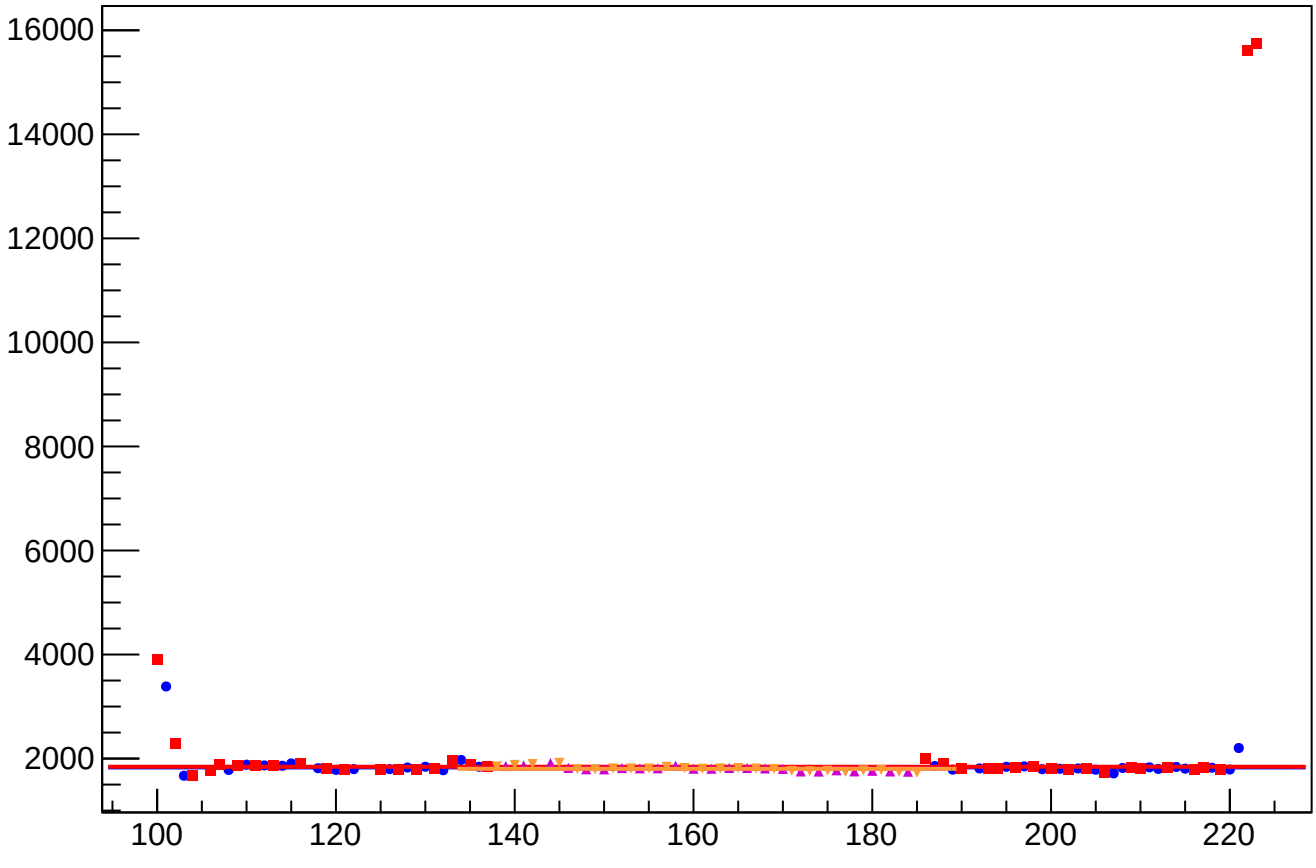
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4170.668+/-281.541 χ^2/NDF: 46.8/70

In: 4620.108+/-288.631 χ^2/NDF:43.7/56

Out: 3477.106+/-289.374 χ^2/NDF:49.4/60

All: 4050.076+/-204.355 χ^2/NDF: 100.9/117



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

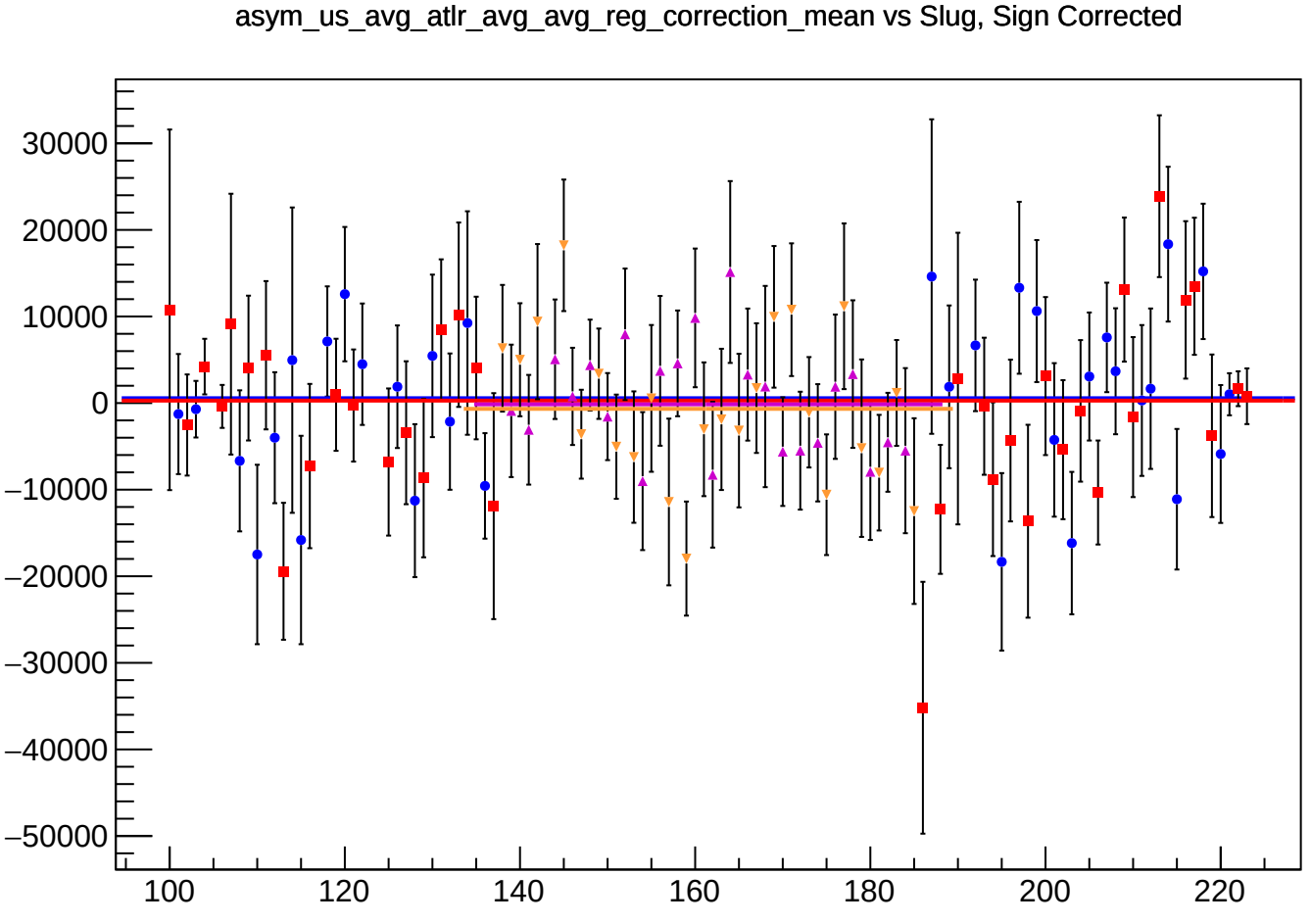
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1836.075+/-0.199 χ^2/NDF: 2600232.6/70

In: 1818.334+/-0.204 χ^2/NDF:358835.8/56

Out: 1823.800+/-0.205 χ^2/NDF:2293066.6/60

All: 1821.061+/-0.144 χ^2/NDF: 2652260.3/11



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

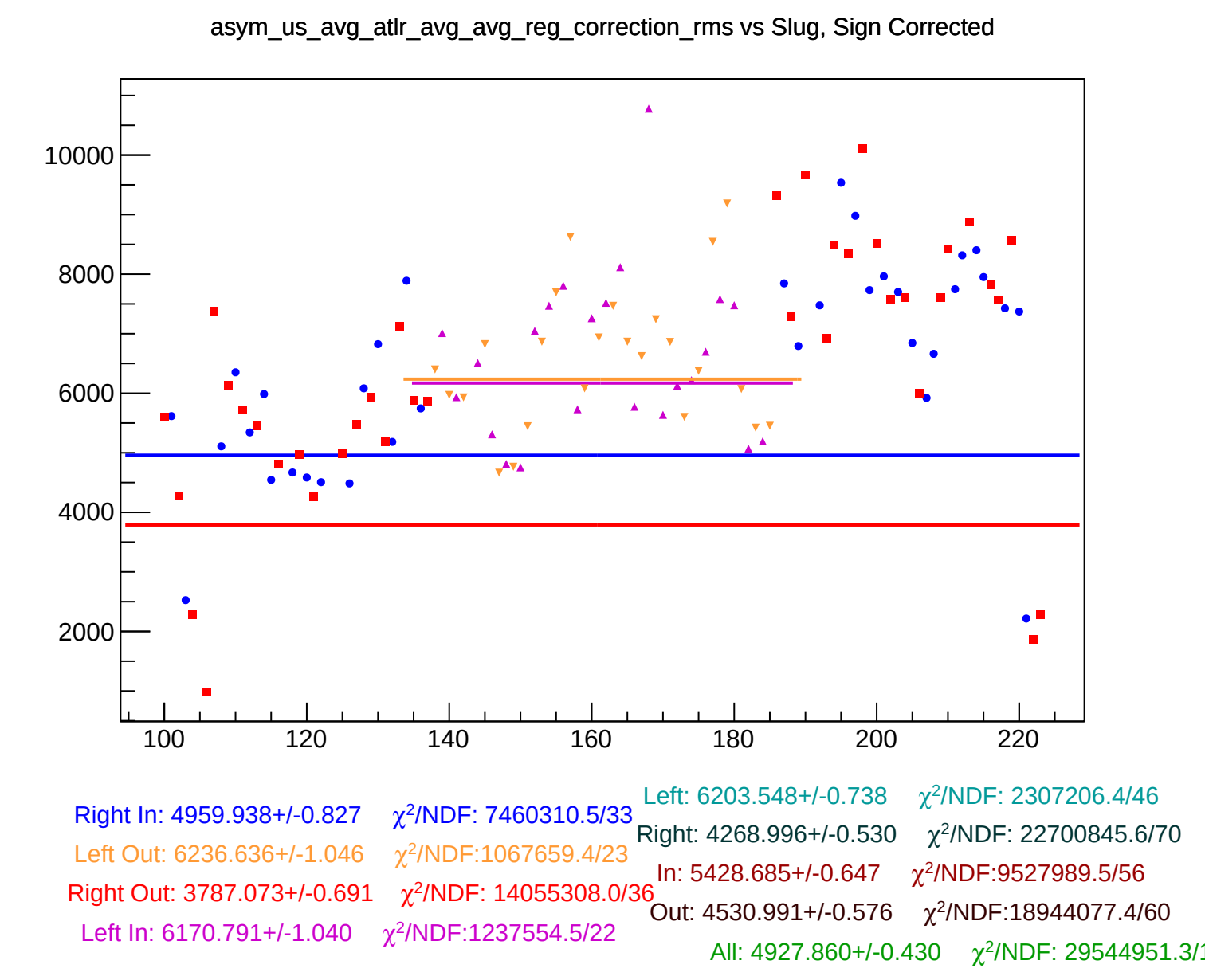
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

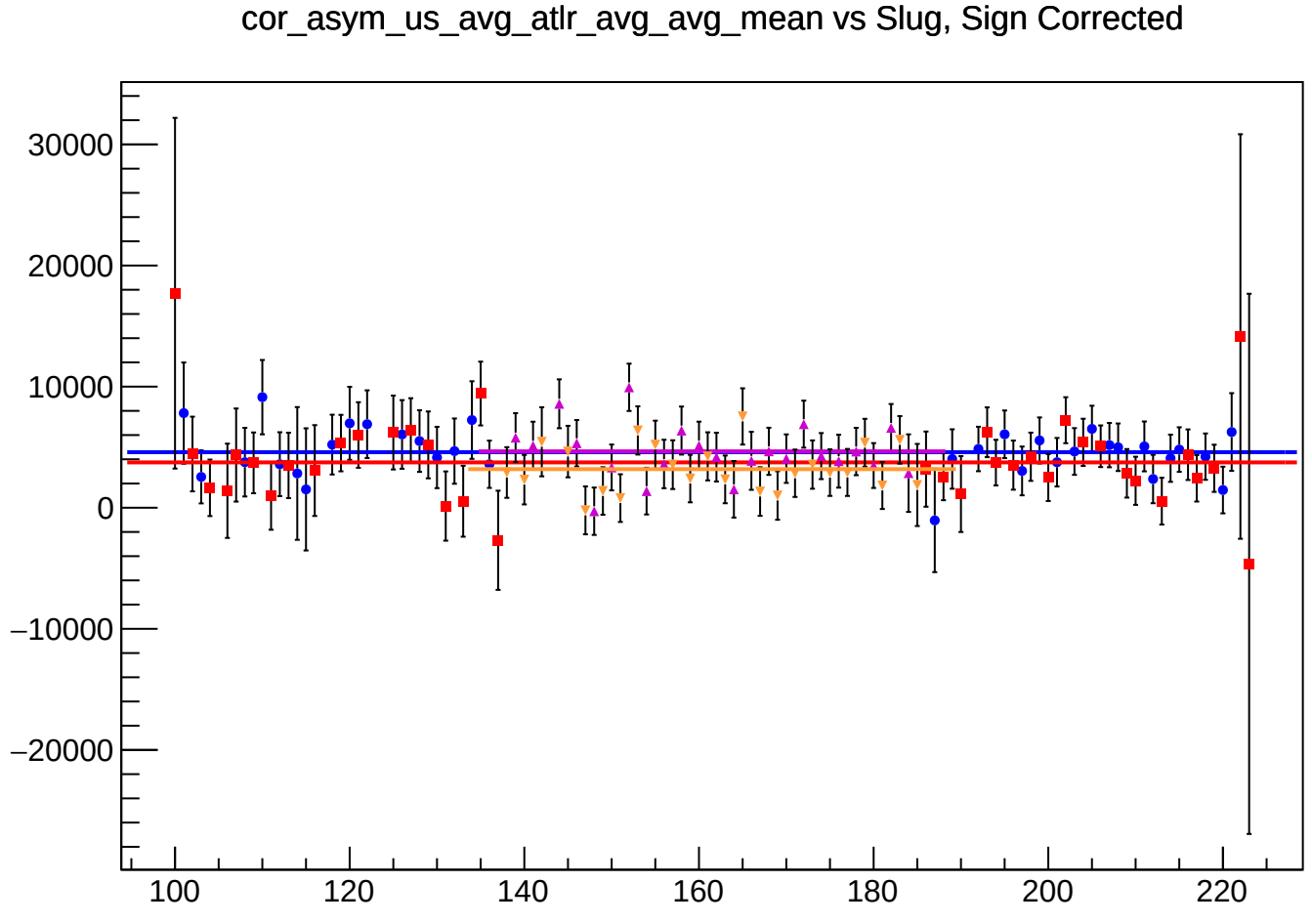
Right: 398.600+/-749.590 χ^2/NDF: 83.6/70

In: 288.150+/-915.474 χ^2/NDF:53.3/56

Out: -3.844+/-814.942 χ^2/NDF:74.0/60

All: 125.246+/-608.703 χ^2/NDF: 127.4/117


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4959.938+/-0.827 χ²/NDF: 7460310.5/33
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3787.073+/-0.691 χ²/NDF: 14055308.0/36
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4268.996+/-0.530 χ²/NDF: 22700845.6/70
In: 5428.685+/-0.647 χ²/NDF:9527989.5/56
Out: 4530.991+/-0.576 χ²/NDF:18944077.4/60
All: 4927.860+/-0.430 χ²/NDF: 29544951.3/



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

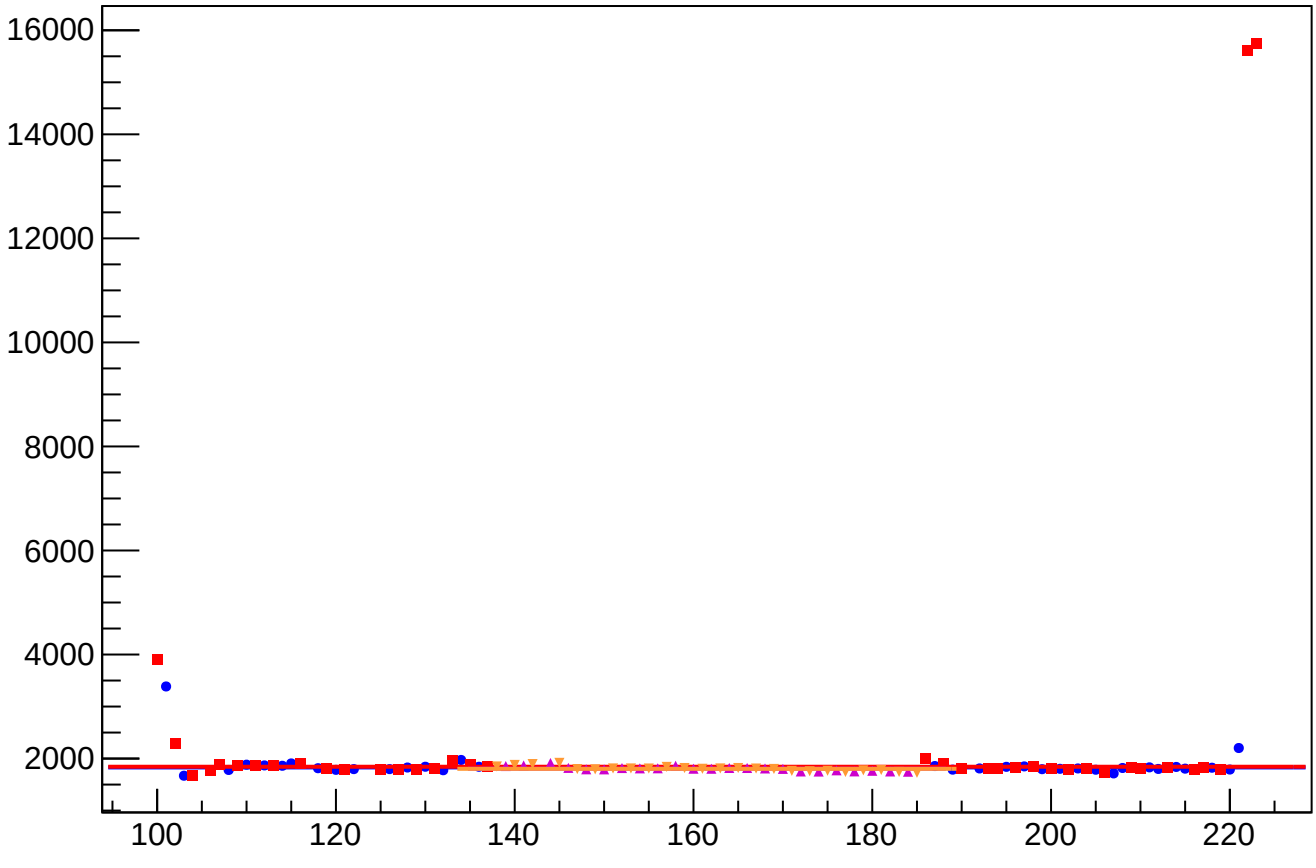
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4170.548+/-281.541 χ^2/NDF: 46.8/70

In: 4620.012+/-288.631 χ^2/NDF:43.7/56

Out: 3477.052+/-289.374 χ^2/NDF:49.4/60

All: 4050.000+/-204.355 χ^2/NDF: 100.9/117



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

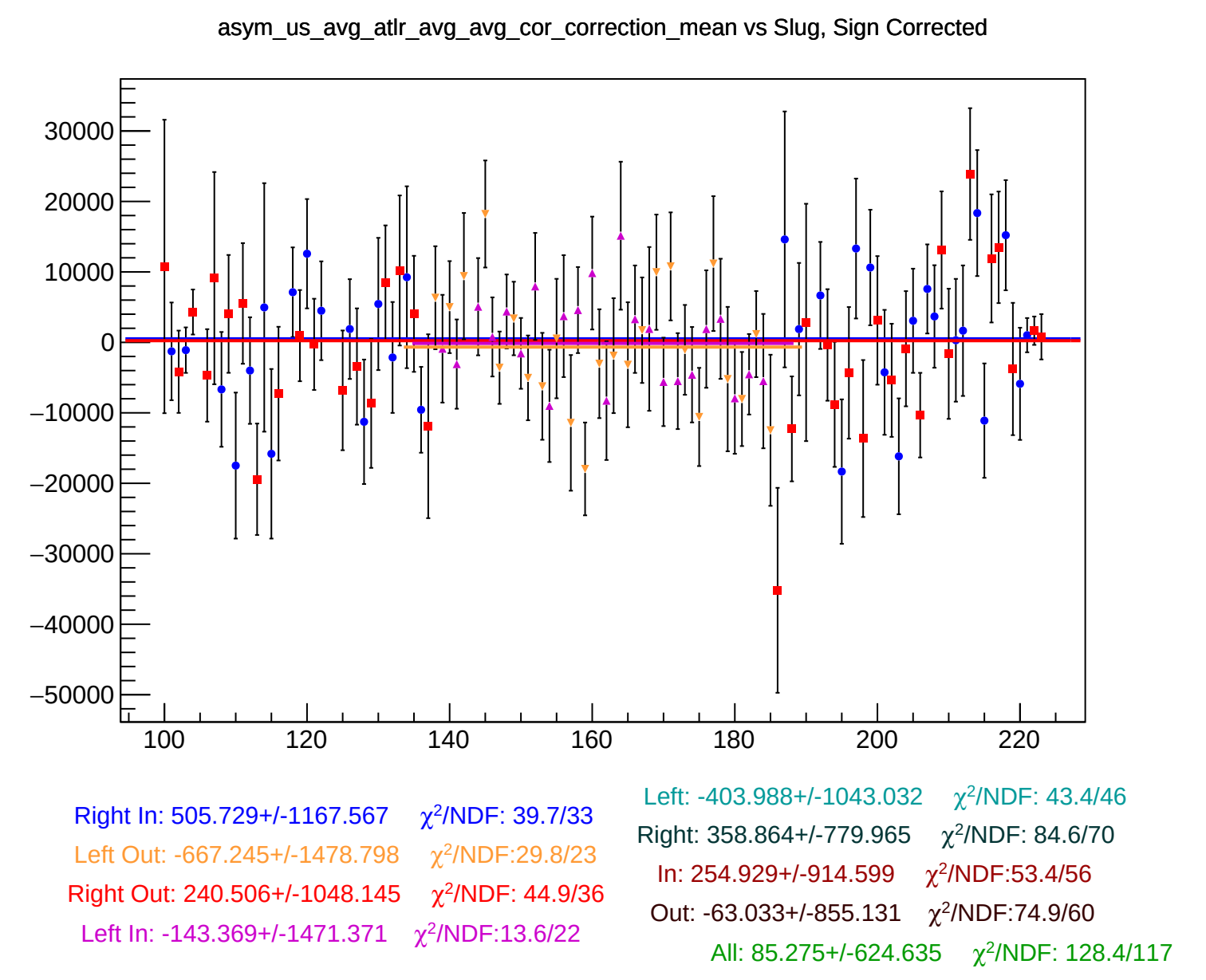
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1836.189+/-0.199 χ^2/NDF: 2599867.3/70

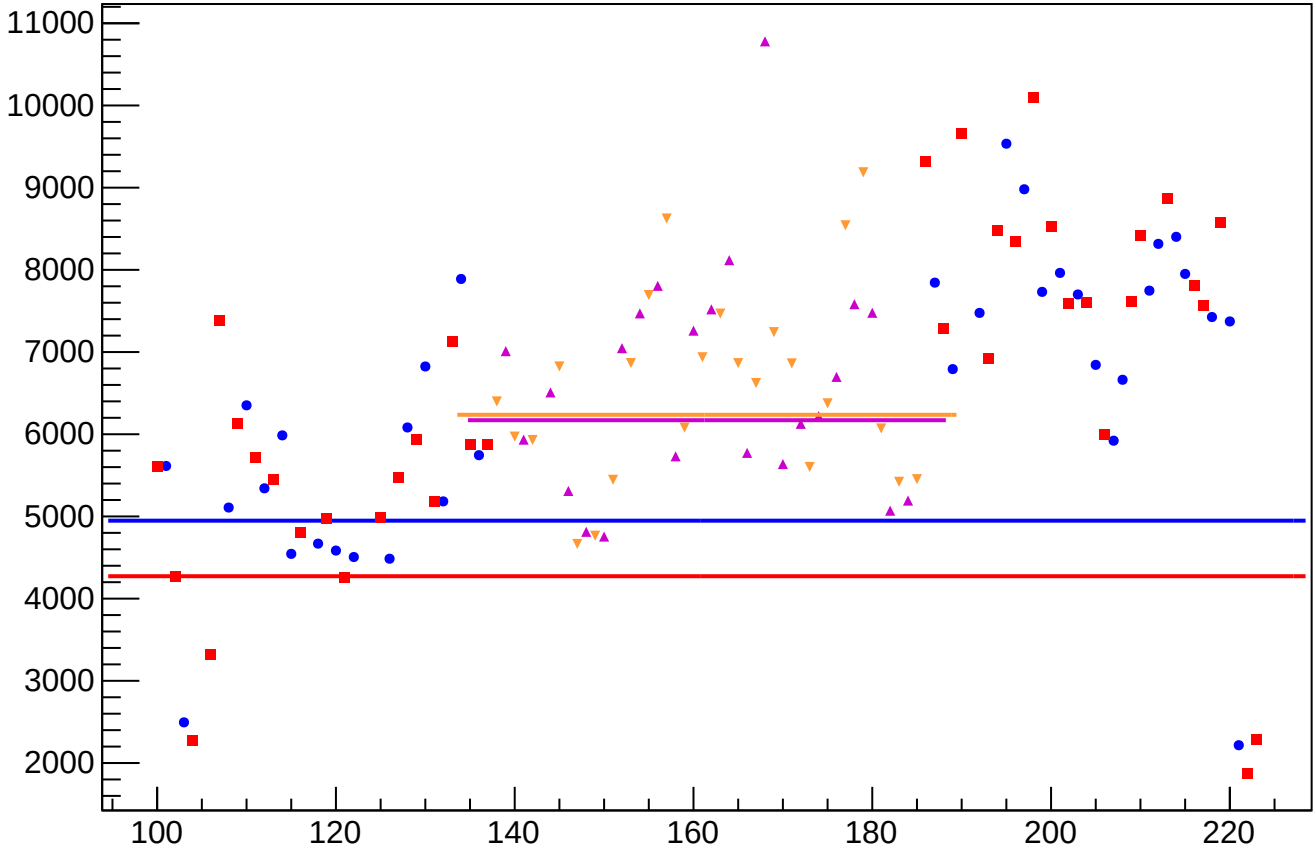
In: 1818.334+/-0.204 χ^2/NDF:358837.7/56

Out: 1823.920+/-0.205 χ^2/NDF:2292769.8/60

All: 1821.121+/-0.144 χ^2/NDF: 2651981.2/11


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
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
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: 358.864+/-779.965 χ²/NDF: 84.6/70
In: 254.929+/-914.599 χ²/NDF:53.4/56
Out: -63.033+/-855.131 χ²/NDF:74.9/60
All: 85.275+/-624.635 χ²/NDF: 128.4/117

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



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

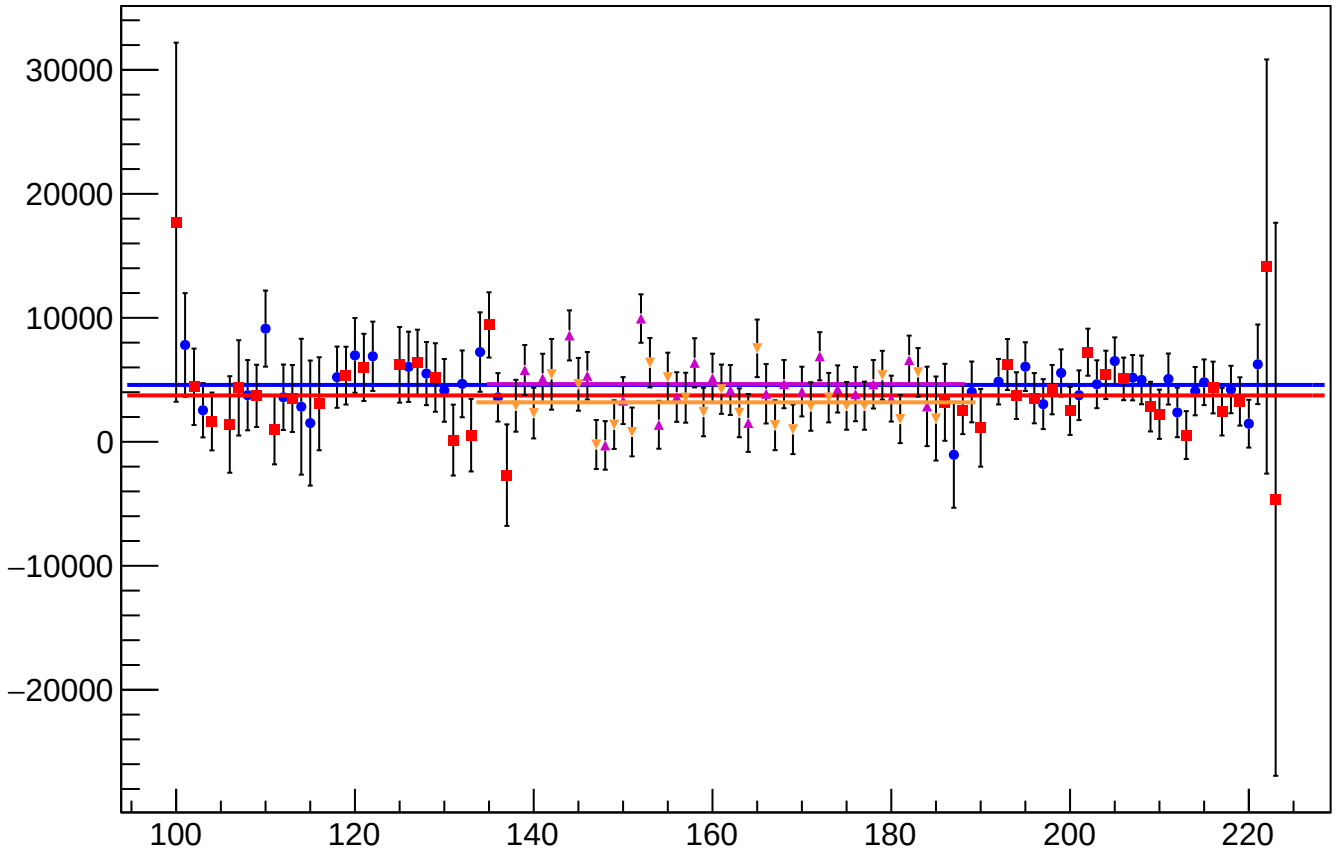
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4574.217+/-0.552 χ^2/NDF: 18976609.8/70

In: 5420.700+/-0.647 χ^2/NDF:9600128.2/56

Out: 4929.397+/-0.605 χ^2/NDF:14505848.4/60

All: 5158.558+/-0.442 χ^2/NDF: 24413908.0/1



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

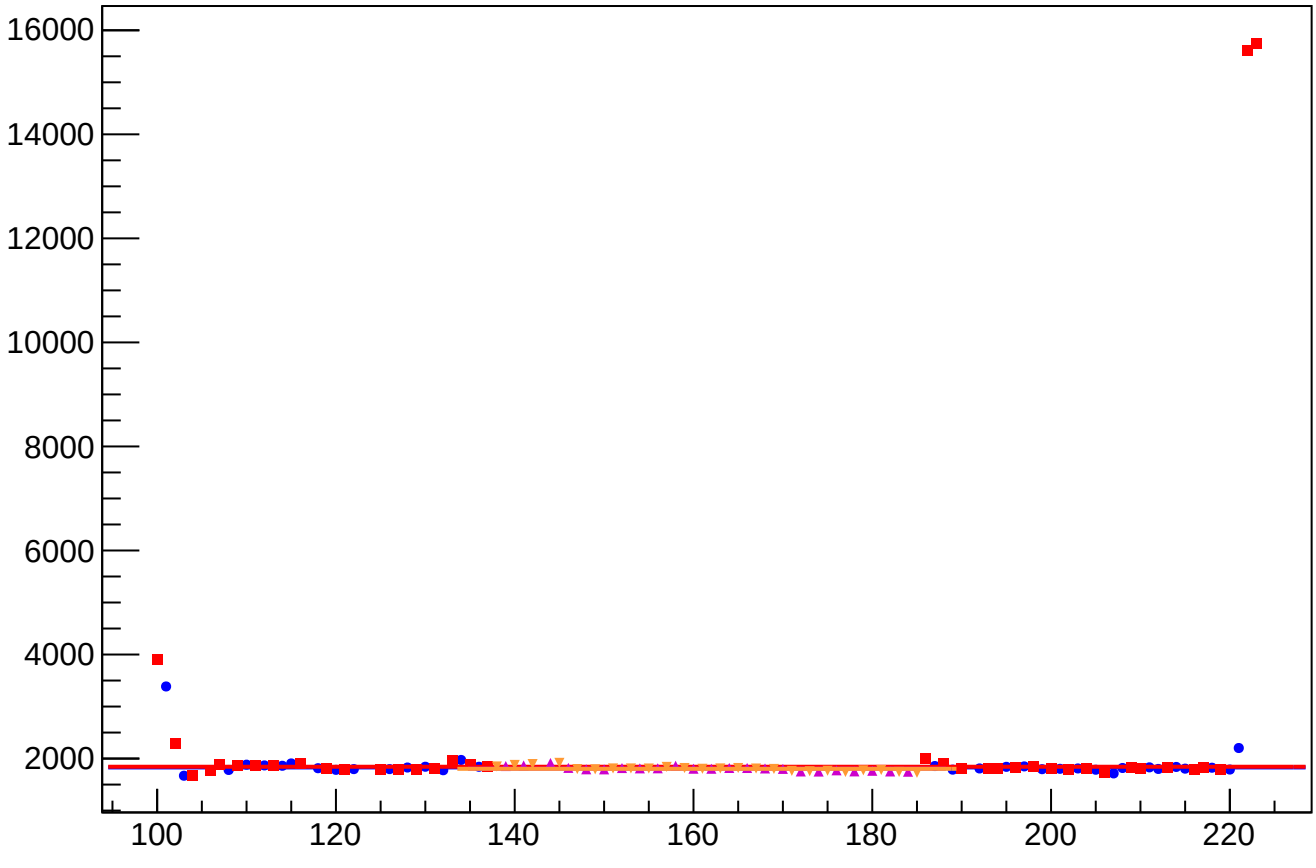
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4170.548+/-281.541 χ^2/NDF: 46.8/70

In: 4620.012+/-288.631 χ^2/NDF:43.7/56

Out: 3477.052+/-289.374 χ^2/NDF:49.4/60

All: 4050.000+/-204.355 χ^2/NDF: 100.9/117



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

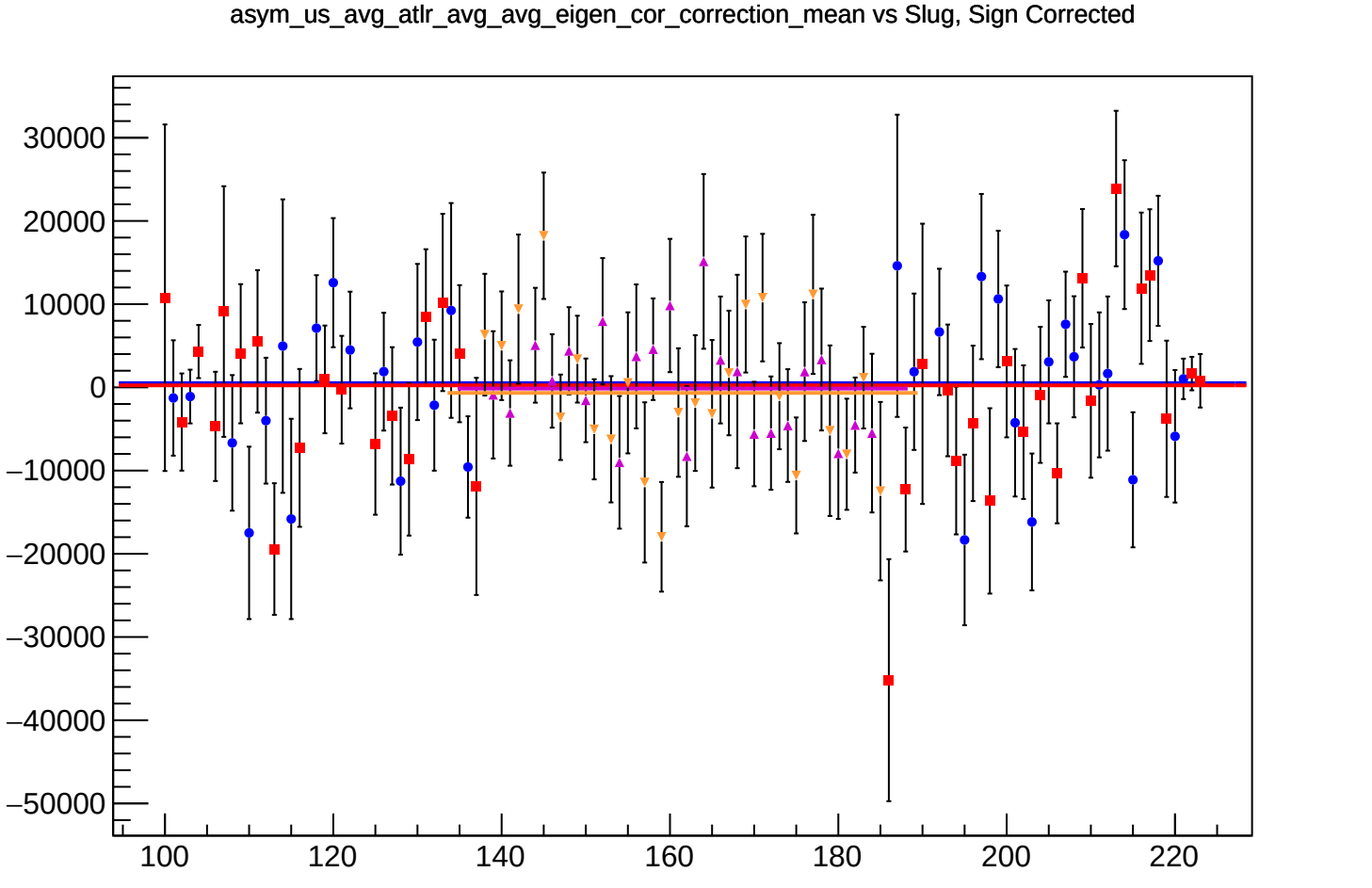
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1836.189+/-0.199 χ^2/NDF: 2599867.3/70

In: 1818.334+/-0.204 χ^2/NDF:358837.7/56

Out: 1823.920+/-0.205 χ^2/NDF:2292769.8/60

All: 1821.121+/-0.144 χ^2/NDF: 2651981.2/11



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

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

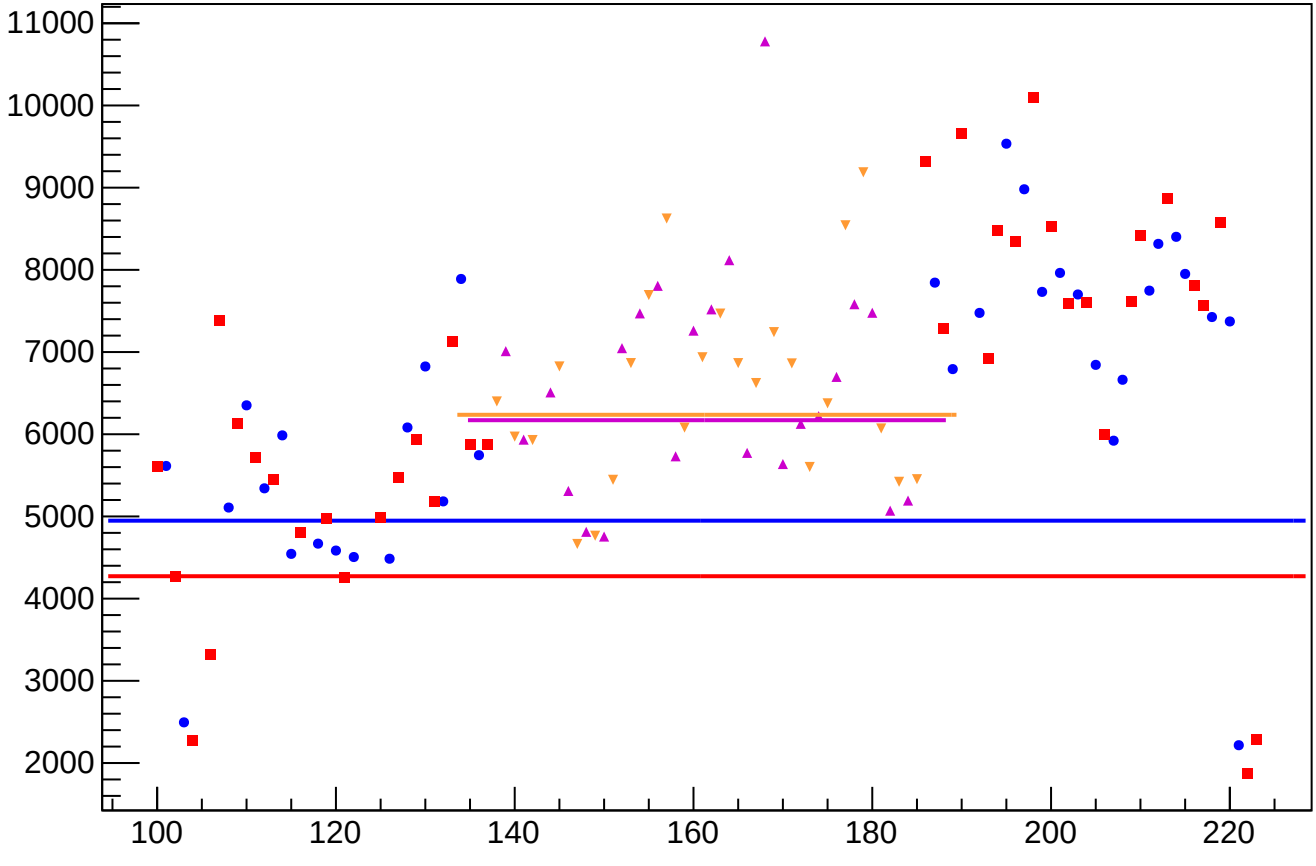
Right: 358.864+/-779.965 χ^2/NDF: 84.6/70

In: 254.929+/-914.599 χ^2/NDF:53.4/56

Out: -63.033+/-855.131 χ^2/NDF:74.9/60

All: 85.275+/-624.635 χ^2/NDF: 128.4/117

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

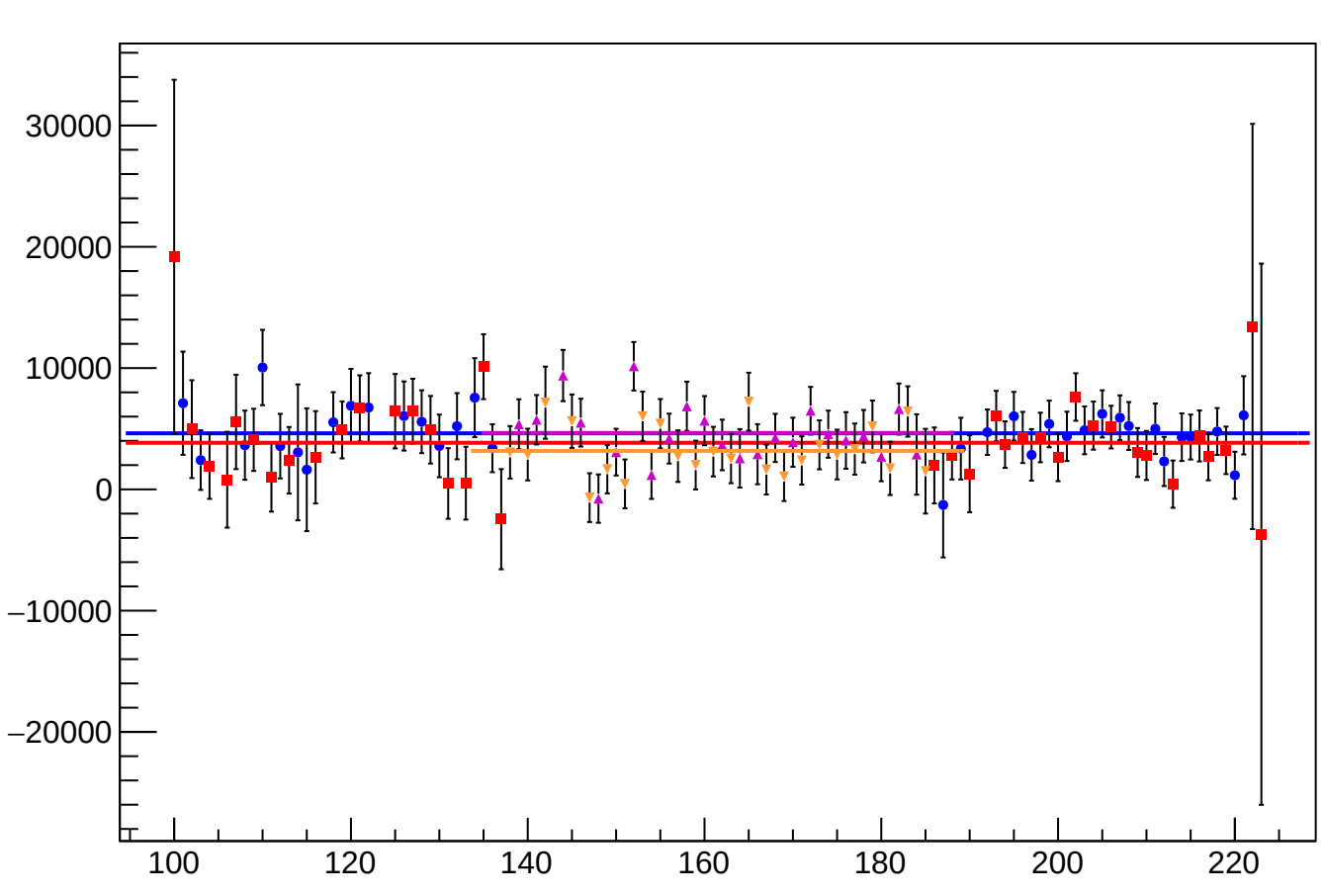
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4574.217+/-0.552 χ^2/NDF: 18976609.8/70

In: 5420.700+/-0.647 χ^2/NDF:9600128.2/56

Out: 4929.397+/-0.605 χ^2/NDF:14505848.4/60

All: 5158.558+/-0.442 χ^2/NDF: 24413908.0/1



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

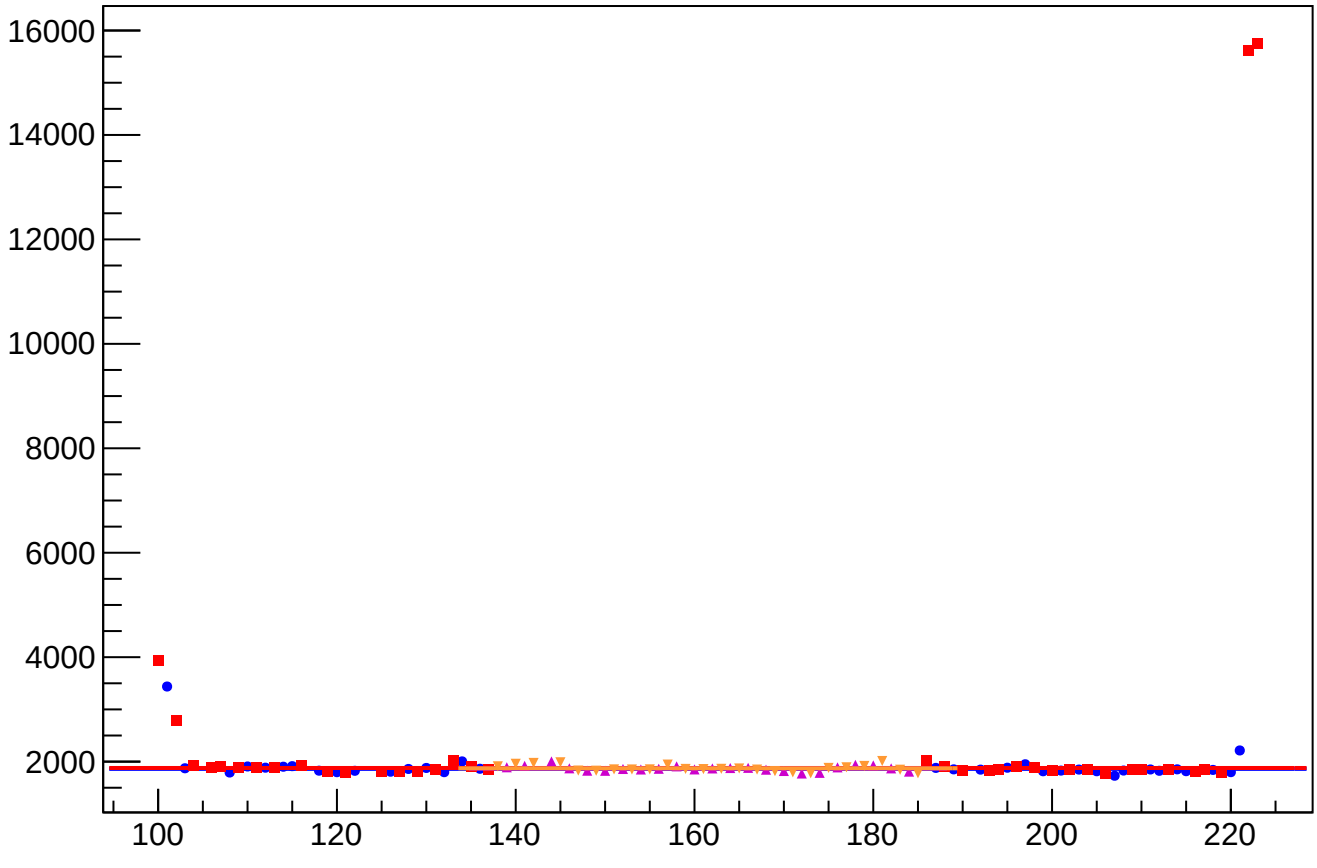
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4238.384+/-286.984 χ^2/NDF: 48.9/70

In: 4635.558+/-295.924 χ^2/NDF:48.0/56

Out: 3528.681+/-297.912 χ^2/NDF:52.3/60

All: 4085.825+/-209.949 χ^2/NDF: 107.3/117



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

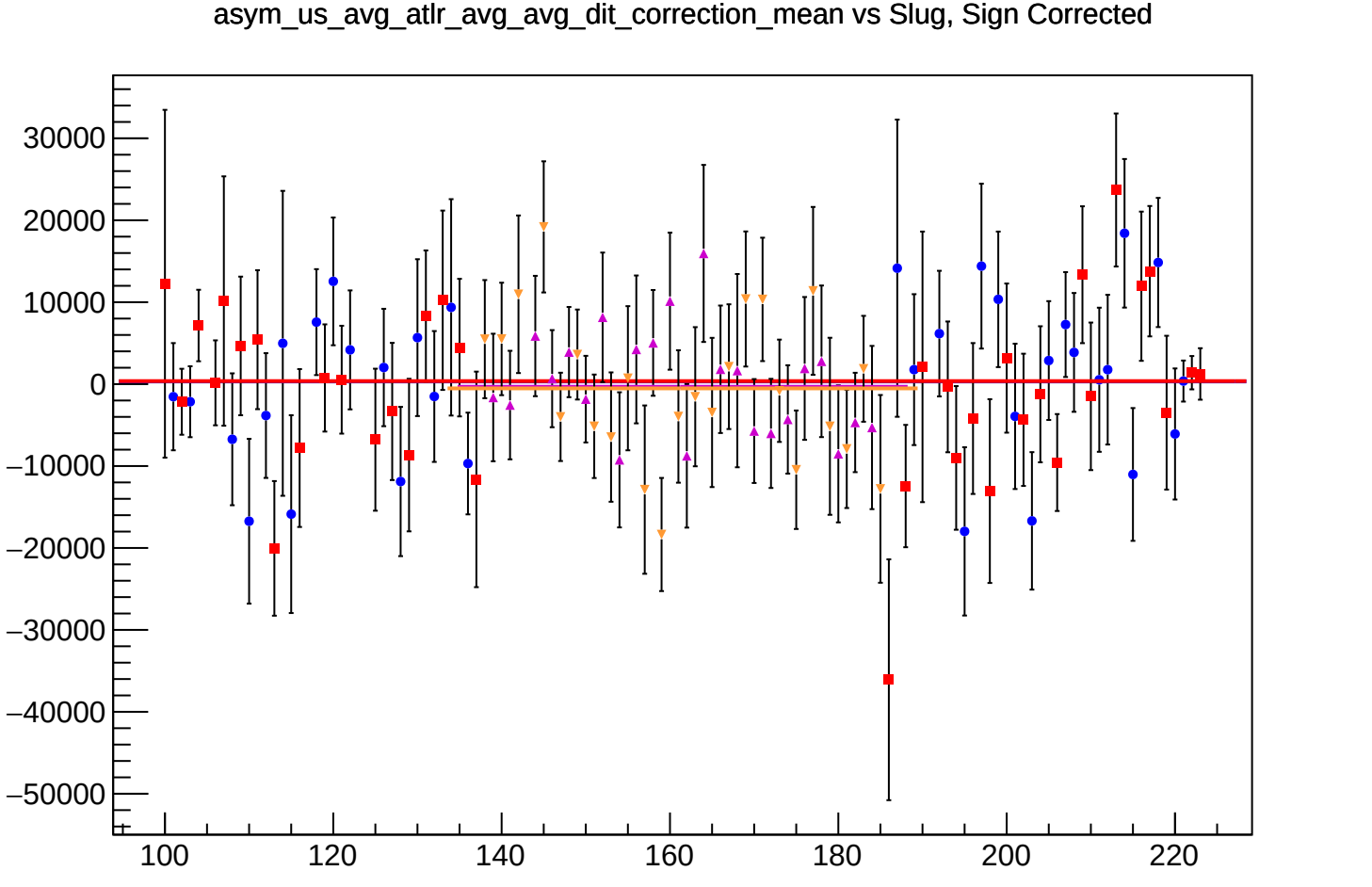
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1869.626+/-0.203 χ^2/NDF: 2636782.8/70

In: 1863.883+/-0.209 χ^2/NDF:357250.4/56

Out: 1875.361+/-0.211 χ^2/NDF:2342565.8/60

All: 1869.585+/-0.148 χ^2/NDF: 2701311.0/11



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

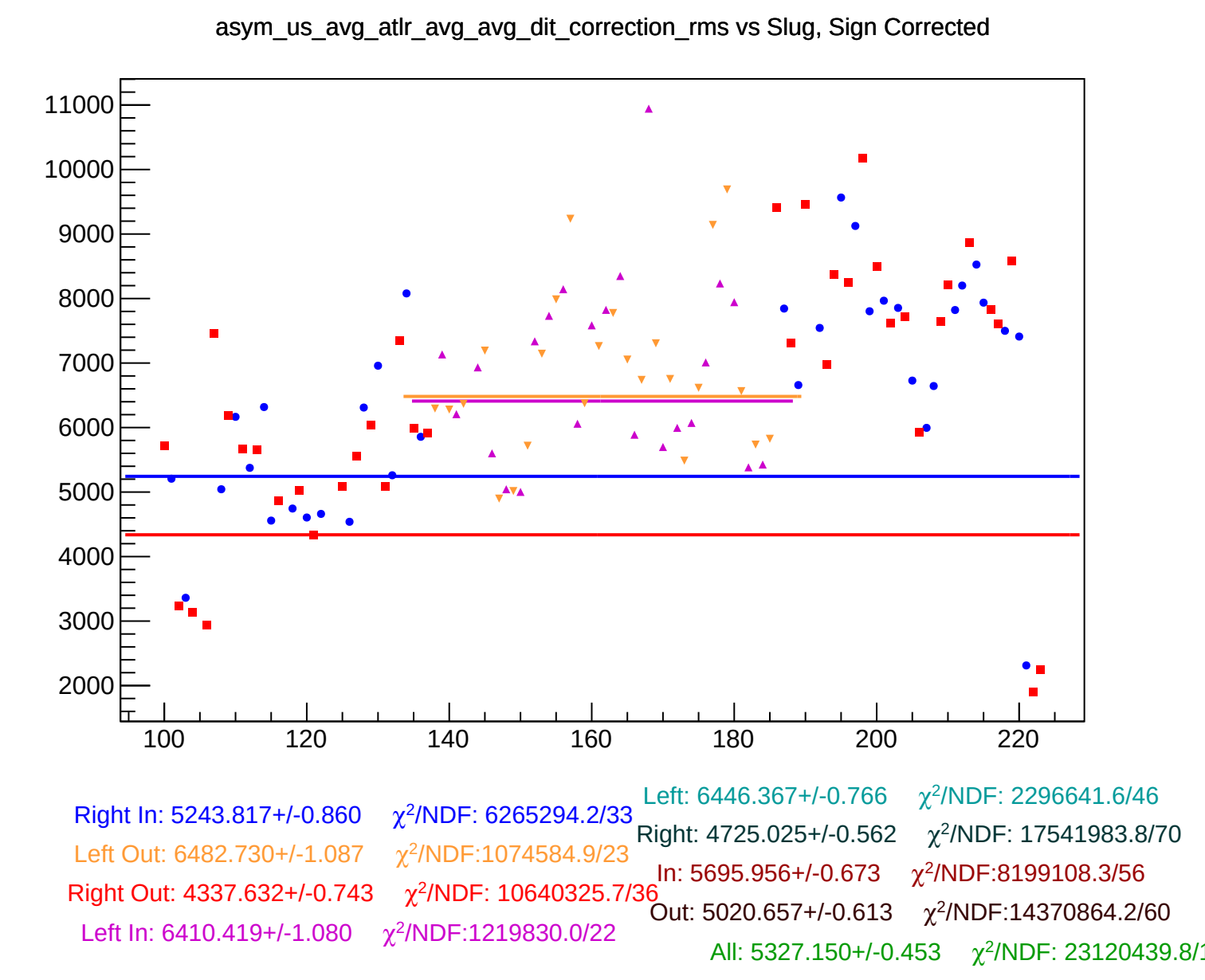
Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

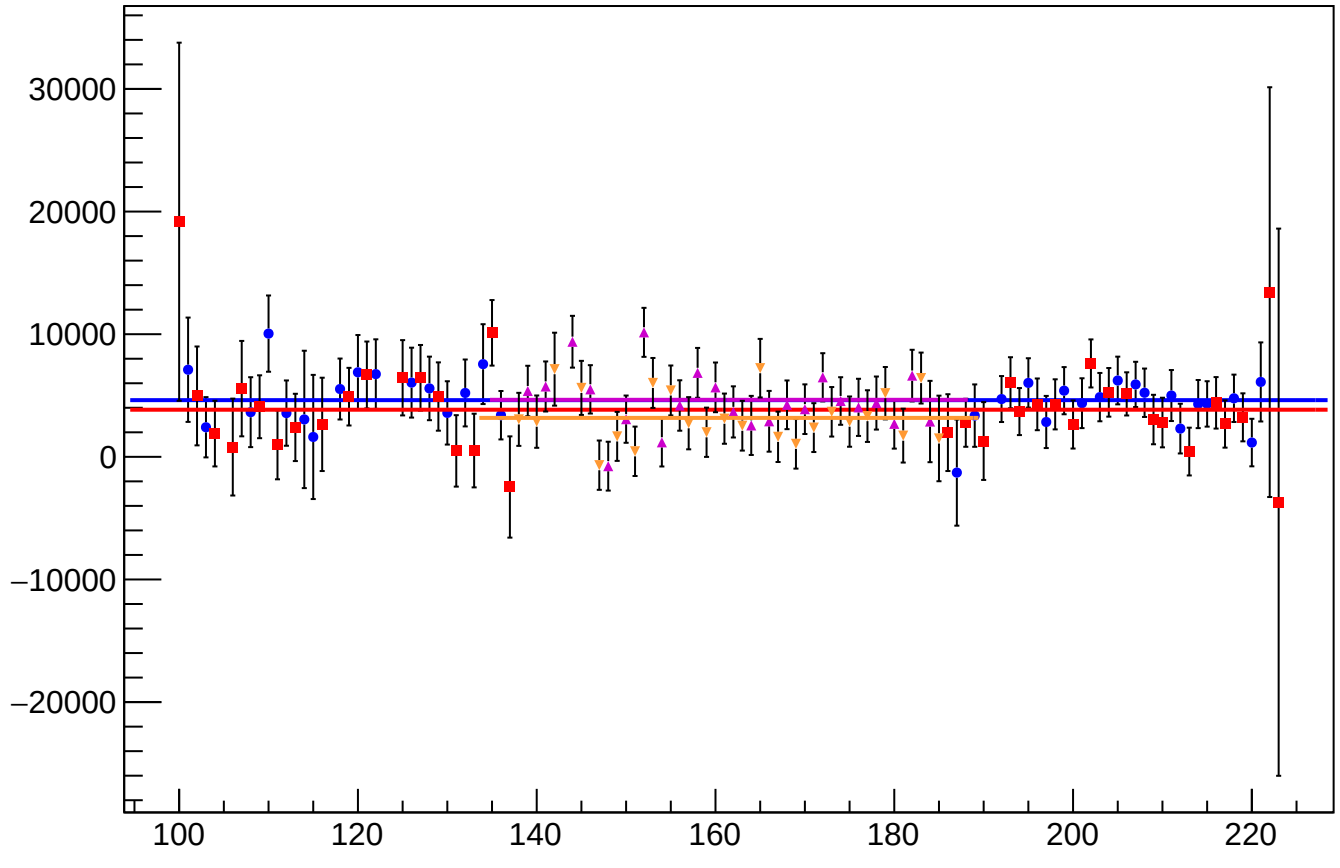
Right: 349.237+/-794.758 χ^2/NDF: 83.8/70

In: 73.239+/-951.254 χ^2/NDF:52.7/56

Out: 84.702+/-867.177 χ^2/NDF:74.0/60

All: 79.500+/-640.853 χ^2/NDF: 126.7/117


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 5243.817+/-0.860 χ²/NDF: 6265294.2/33
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 4337.632+/-0.743 χ²/NDF: 10640325.7/36
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
Left: 6446.367+/-0.766 χ²/NDF: 2296641.6/46
Right: 4725.025+/-0.562 χ²/NDF: 17541983.8/70
In: 5695.956+/-0.673 χ²/NDF:8199108.3/56
Out: 5020.657+/-0.613 χ²/NDF:14370864.2/60
All: 5327.150+/-0.453 χ²/NDF: 23120439.8/1



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

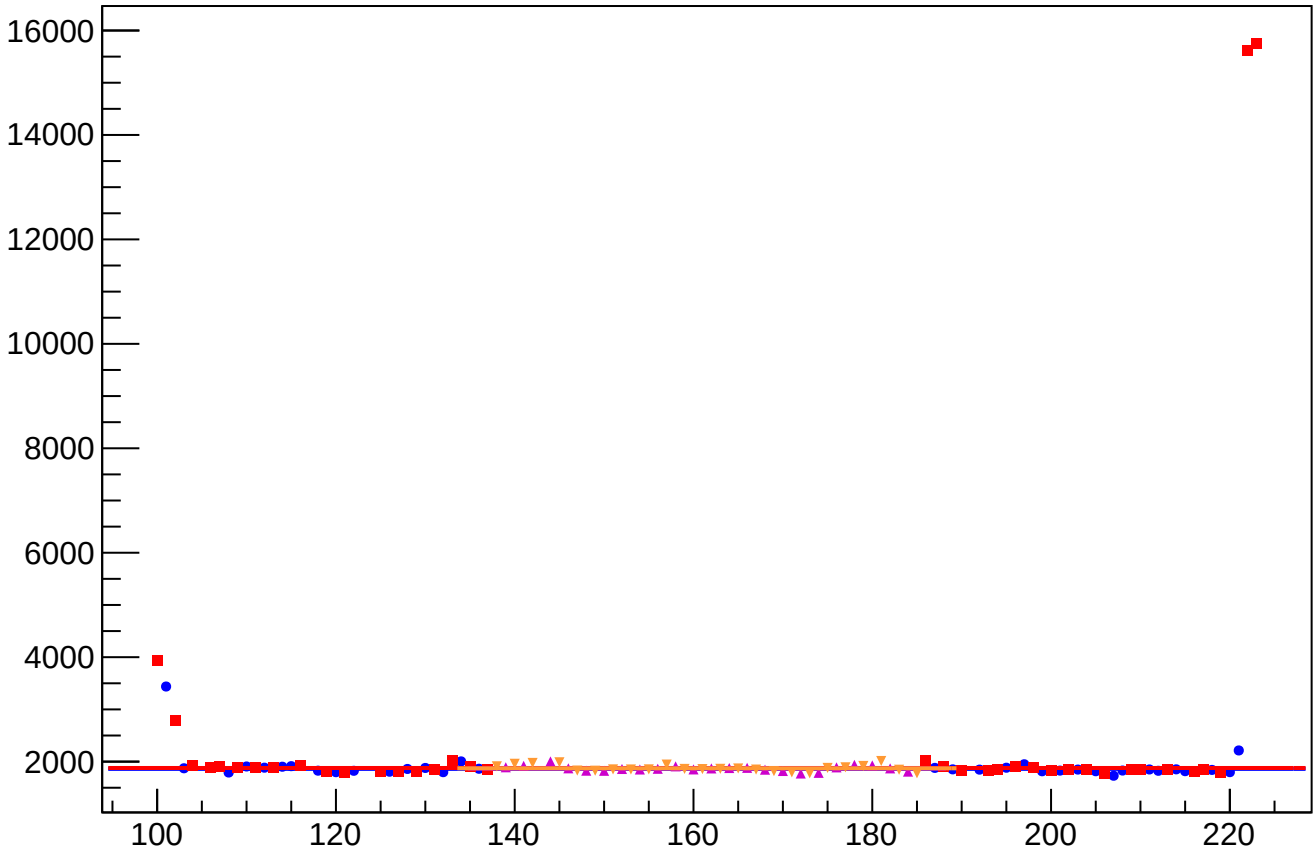
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4238.381+/-286.984 χ^2/NDF: 48.9/70

In: 4635.556+/-295.924 χ^2/NDF:48.0/56

Out: 3528.677+/-297.912 χ^2/NDF:52.3/60

All: 4085.822+/-209.949 χ^2/NDF: 107.3/117



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

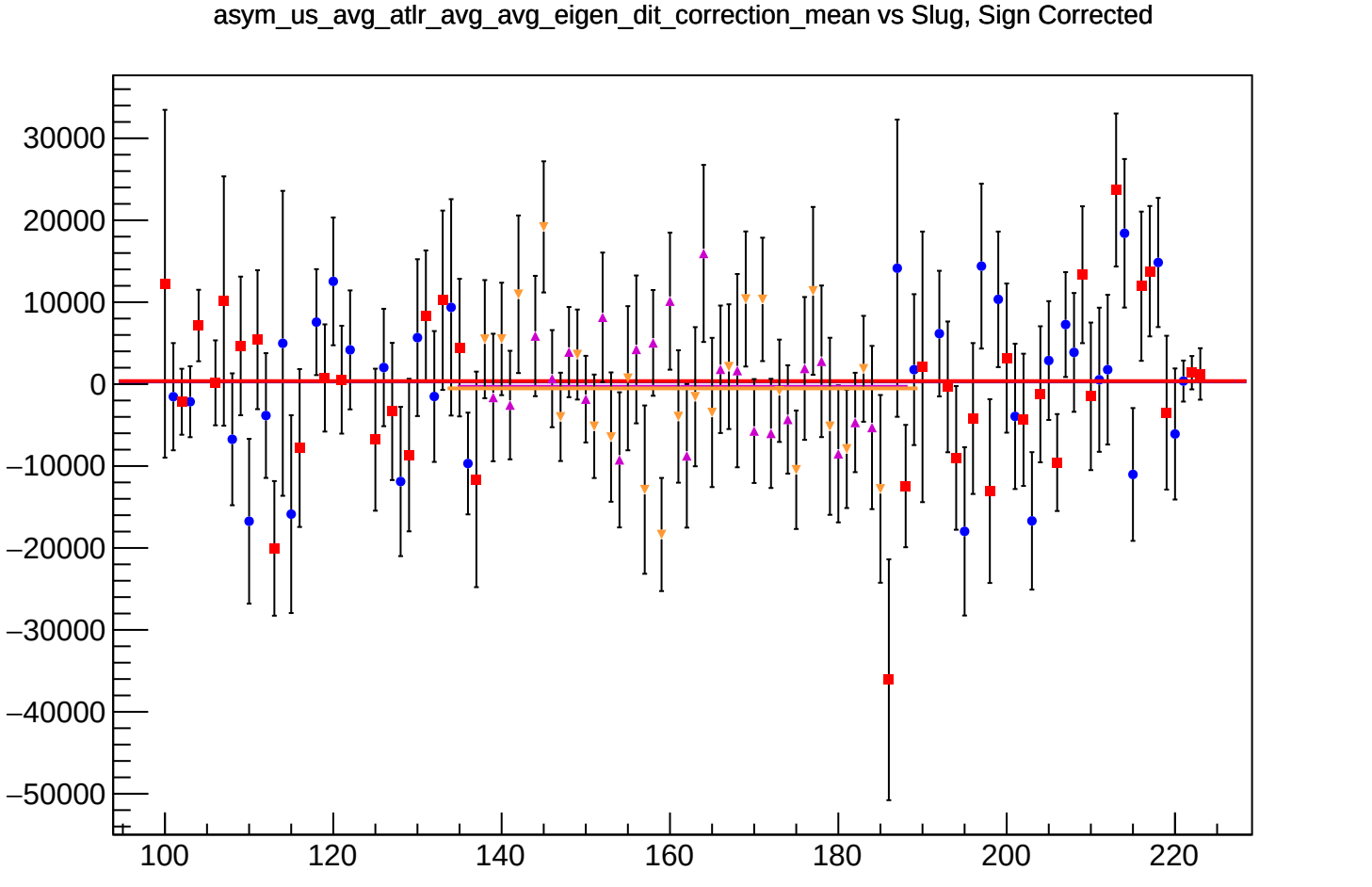
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1869.626+/-0.203 χ^2/NDF: 2636782.0/70

In: 1863.883+/-0.209 χ^2/NDF:357251.7/56

Out: 1875.362+/-0.211 χ^2/NDF:2342565.9/60

All: 1869.585+/-0.148 χ^2/NDF: 2701312.5/11



Right In: 325.022+/-1215.535 χ^2/NDF: 39.2/33

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: 367.319+/-1050.380 χ^2/NDF: 44.6/36

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

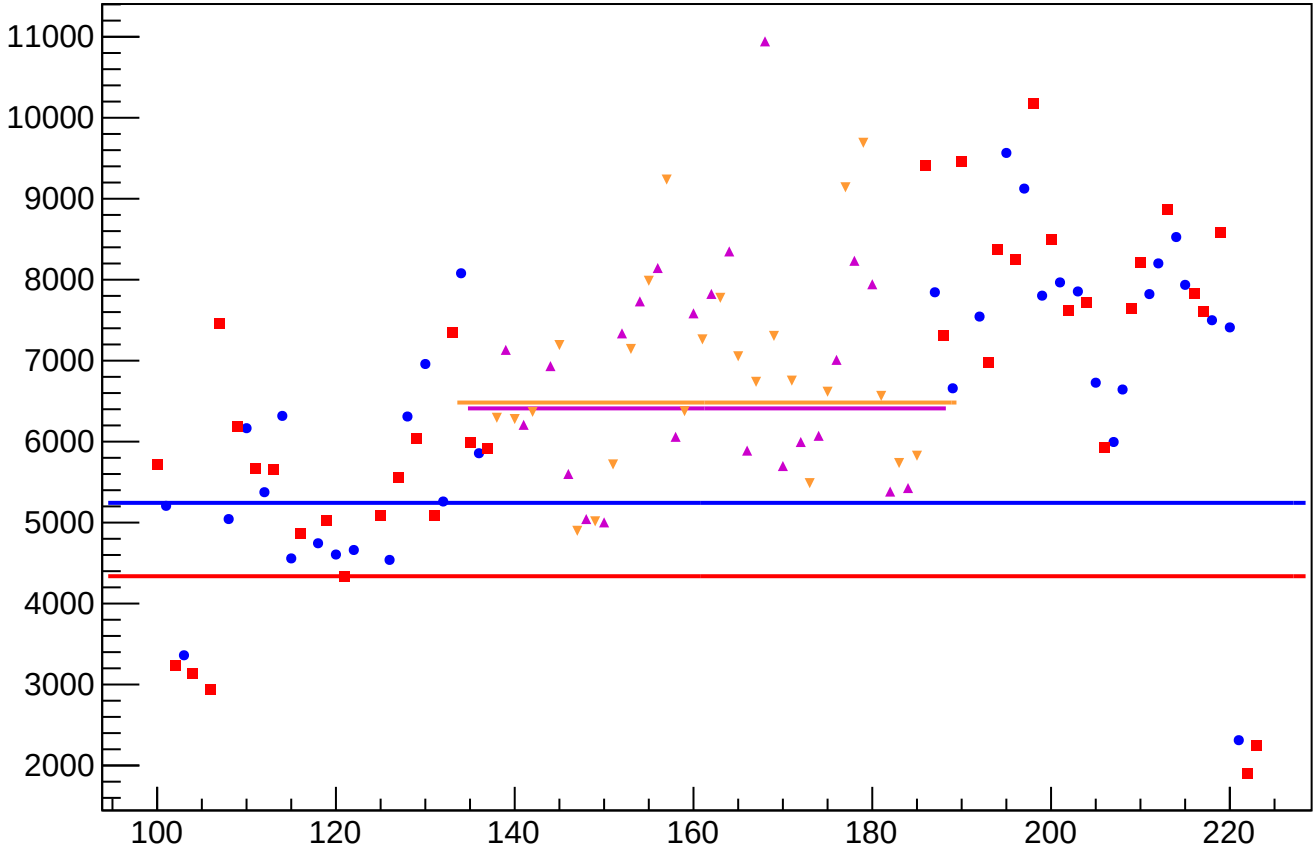
Right: 349.237+/-794.758 χ^2/NDF: 83.8/70

In: 73.240+/-951.254 χ^2/NDF:52.7/56

Out: 84.701+/-867.177 χ^2/NDF:74.0/60

All: 79.499+/-640.854 χ^2/NDF: 126.7/117

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

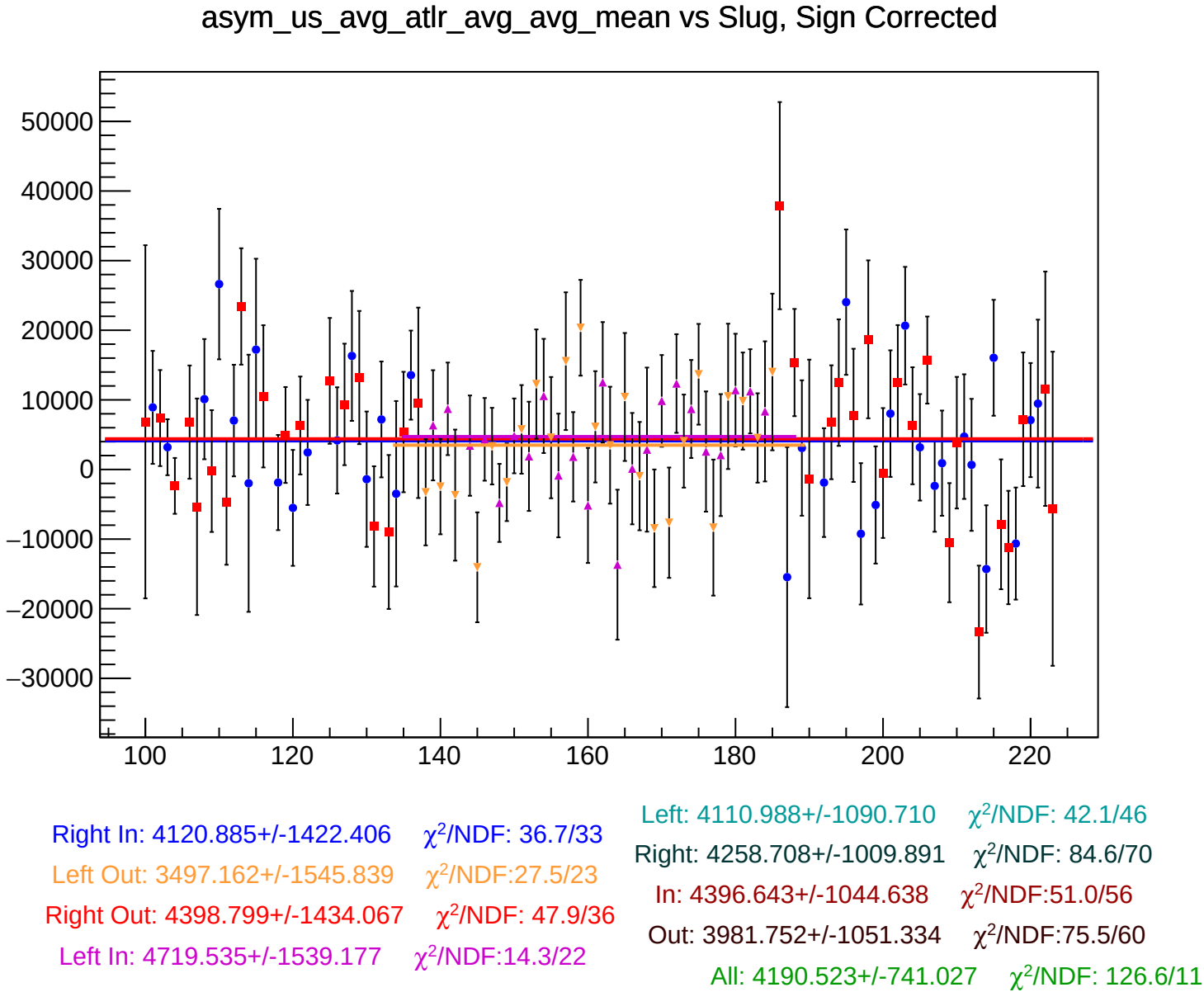
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

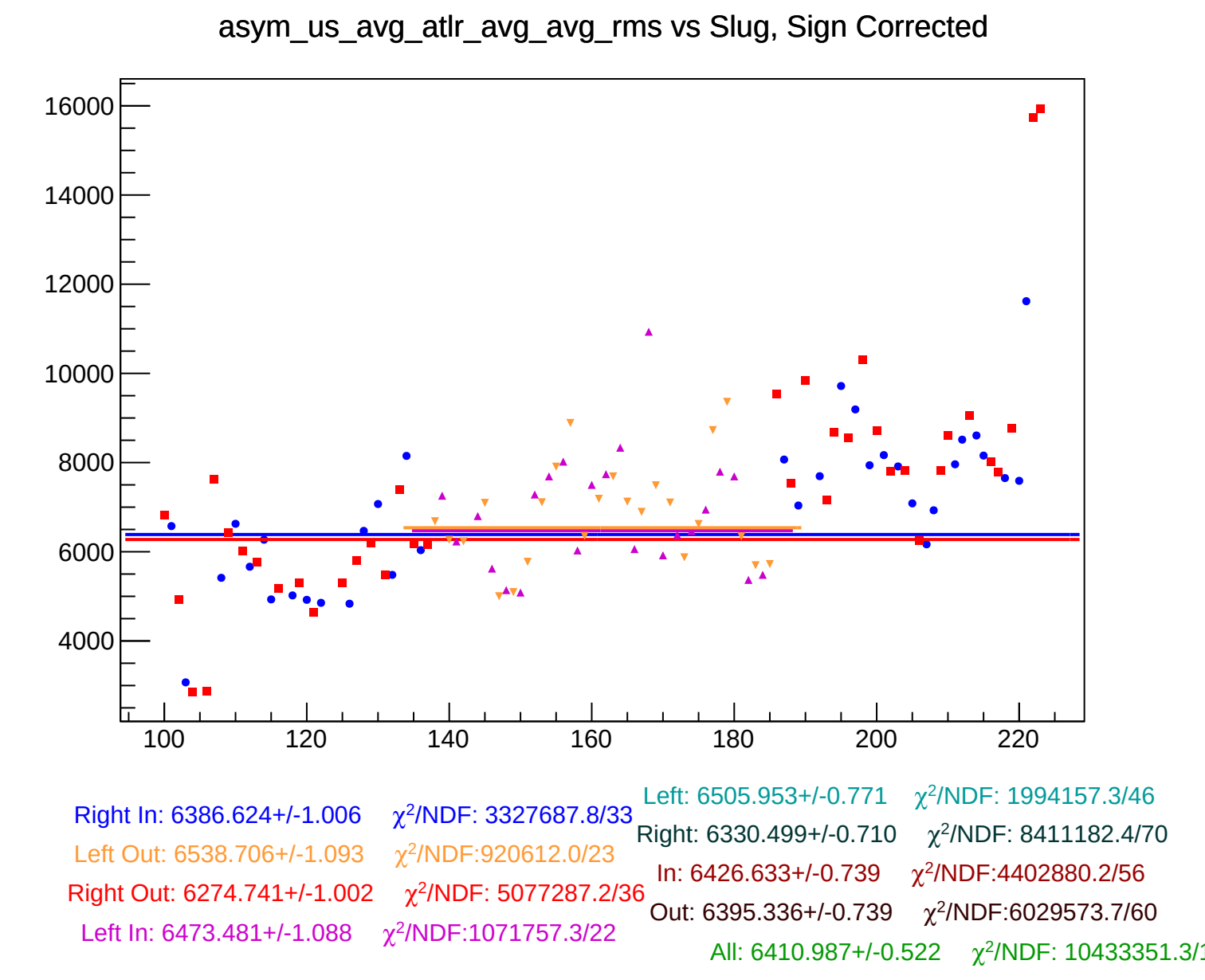
Right: 4725.024+/-0.562 χ^2/NDF: 17541987.4/70

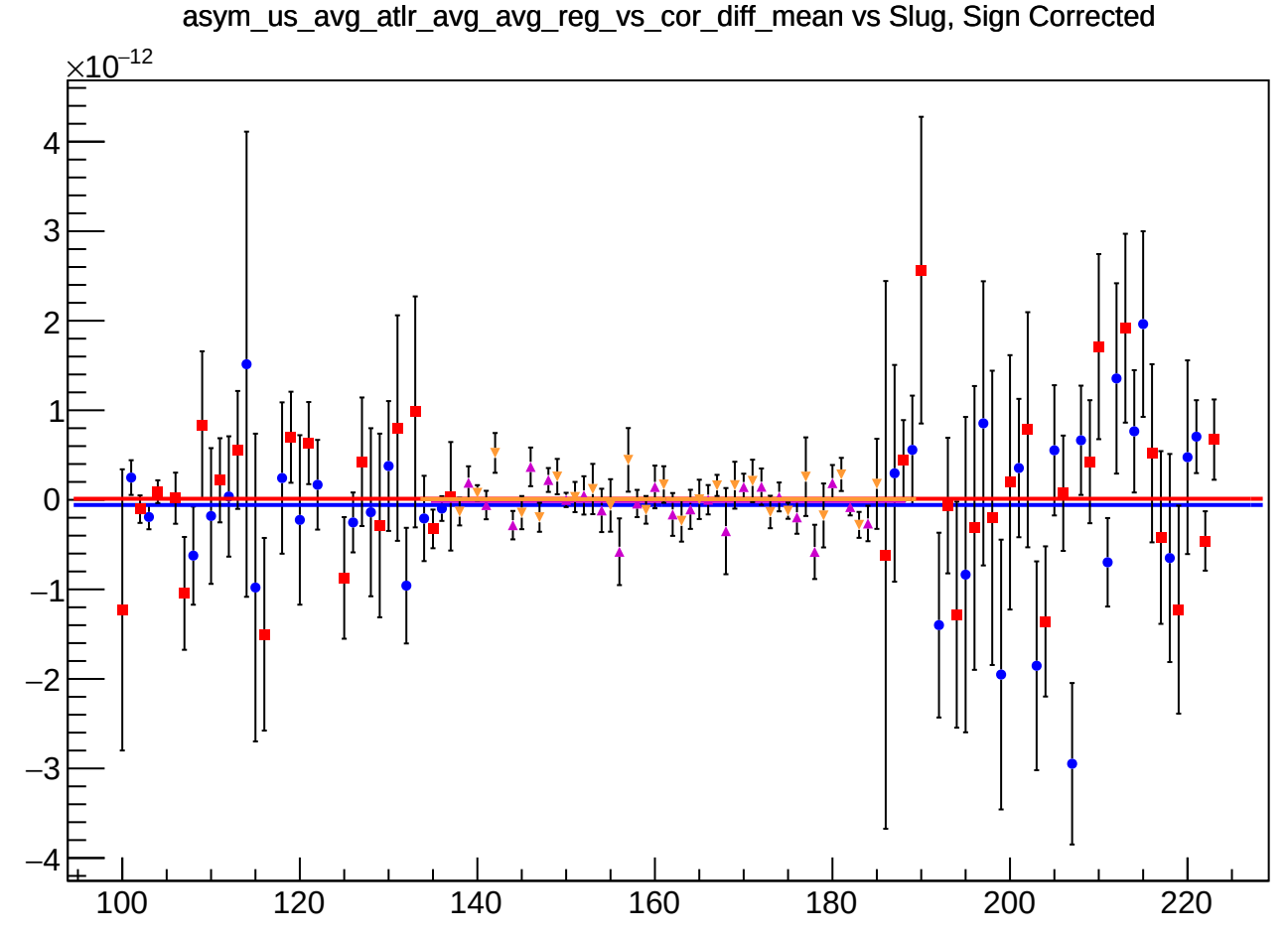
In: 5695.957+/-0.673 χ^2/NDF:8199140.4/56

Out: 5020.659+/-0.613 χ^2/NDF:14370877.0/60

All: 5327.152+/-0.453 χ^2/NDF: 23120483.3/1


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 4120.885+/-1422.406 χ²/NDF: 36.7/33
Left Out: 3497.162+/-1545.839 χ²/NDF:27.5/23
Right Out: 4398.799+/-1434.067 χ²/NDF: 47.9/36
Left In: 4719.535+/-1539.177 χ²/NDF:14.3/22
Left: 4110.988+/-1090.710 χ²/NDF: 42.1/46
Right: 4258.708+/-1009.891 χ²/NDF: 84.6/70
In: 4396.643+/-1044.638 χ²/NDF:51.0/56
Out: 3981.752+/-1051.334 χ²/NDF:75.5/60
All: 4190.523+/-741.027 χ²/NDF: 126.6/117


asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 6386.624+/-1.006 χ²/NDF: 3327687.8/33
Left Out: 6538.706+/-1.093 χ²/NDF:920612.0/23
Right Out: 6274.741+/-1.002 χ²/NDF: 5077287.2/36
Left In: 6473.481+/-1.088 χ²/NDF:1071757.3/22
Left: 6505.953+/-0.771 χ²/NDF: 1994157.3/46
Right: 6330.499+/-0.710 χ²/NDF: 8411182.4/70
In: 6426.633+/-0.739 χ²/NDF:4402880.2/56
Out: 6395.336+/-0.739 χ²/NDF:6029573.7/60
All: 6410.987+/-0.522 χ²/NDF: 10433351.3/1



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

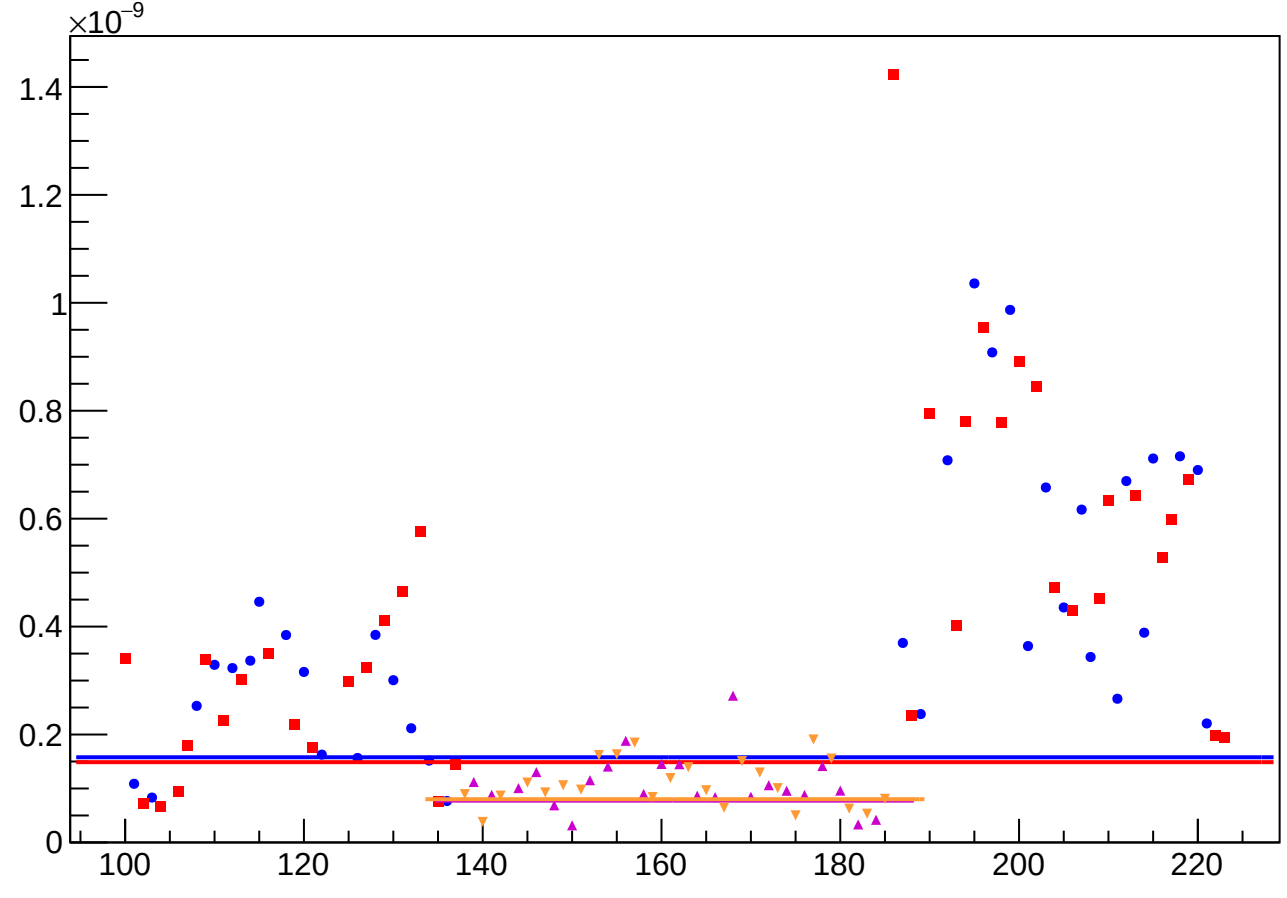
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 78.4/70

In: -0.000+/-0.000 χ^2/NDF:65.4/56

Out: 0.000+/-0.000 χ^2/NDF:64.0/60

All: -0.000+/-0.000 χ^2/NDF: 129.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 8239377.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9256081.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

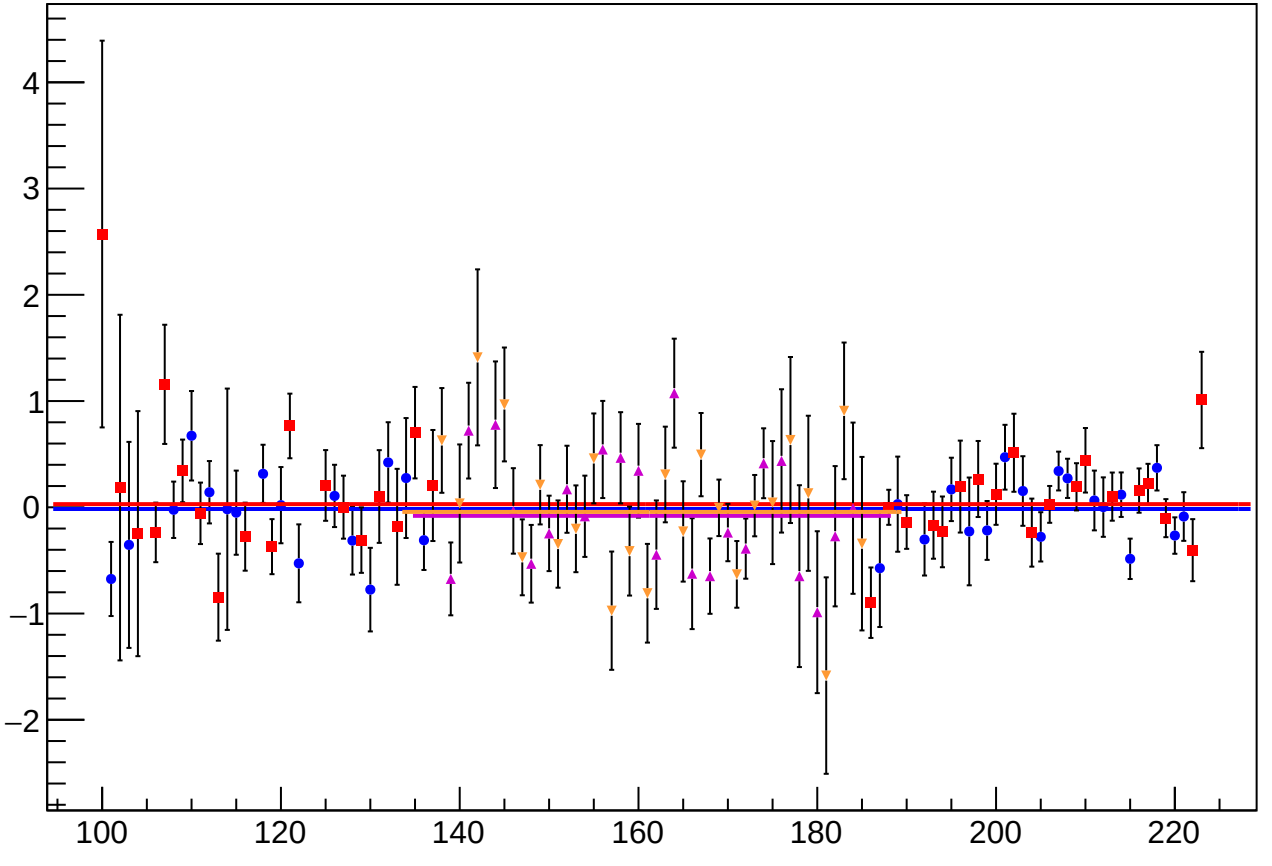
Right: 0.000+/-0.000 χ^2/NDF: 17511681.3/70

In: 0.000+/-0.000 χ^2/NDF:12920755.3/56

Out: 0.000+/-0.000 χ^2/NDF:12937637.2/60

All: 0.000+/-0.000 χ^2/NDF: 25859817.8/117

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

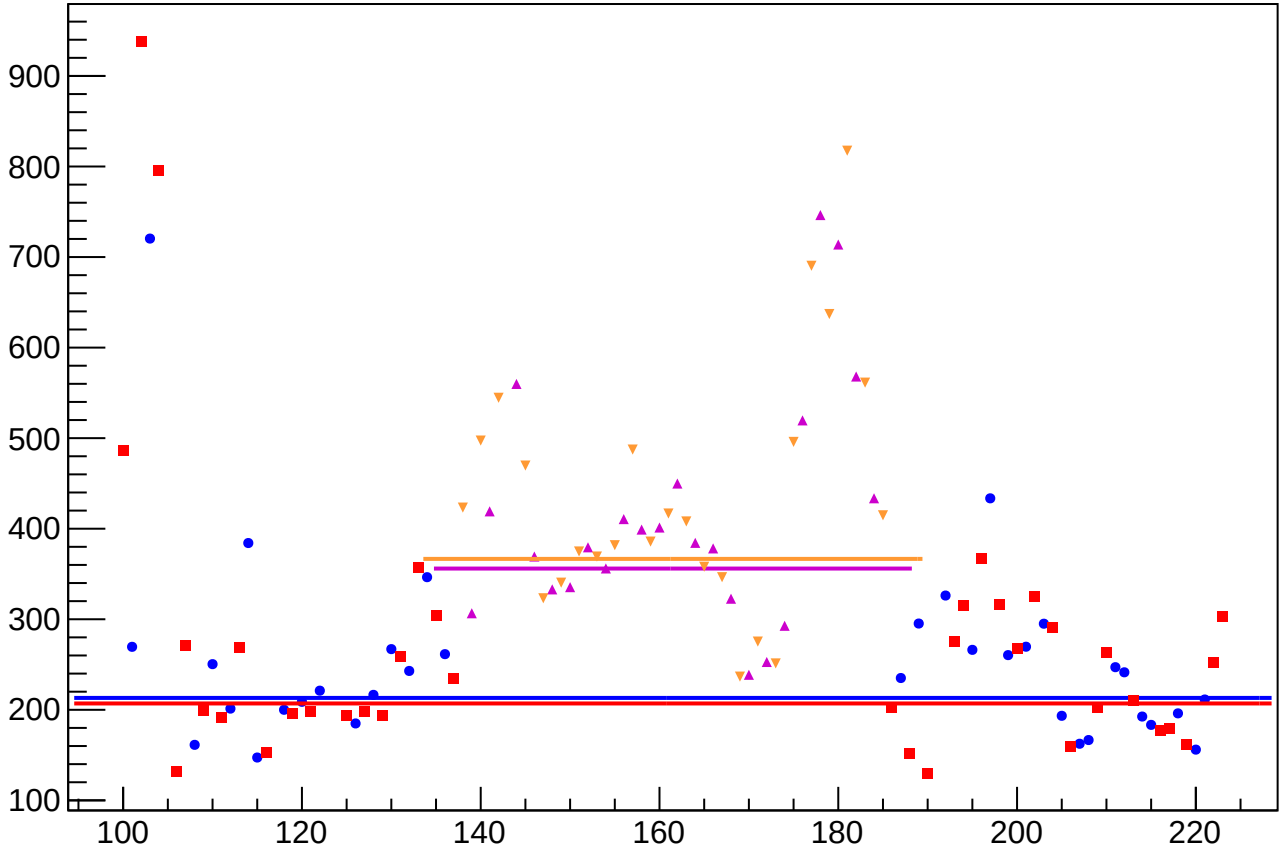
Right: 0.007+/-0.034 χ^2/NDF: 93.2/70

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.014+/-0.042 χ^2/NDF:81.3/60

All: -0.009+/-0.030 χ^2/NDF: 155.5/117

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

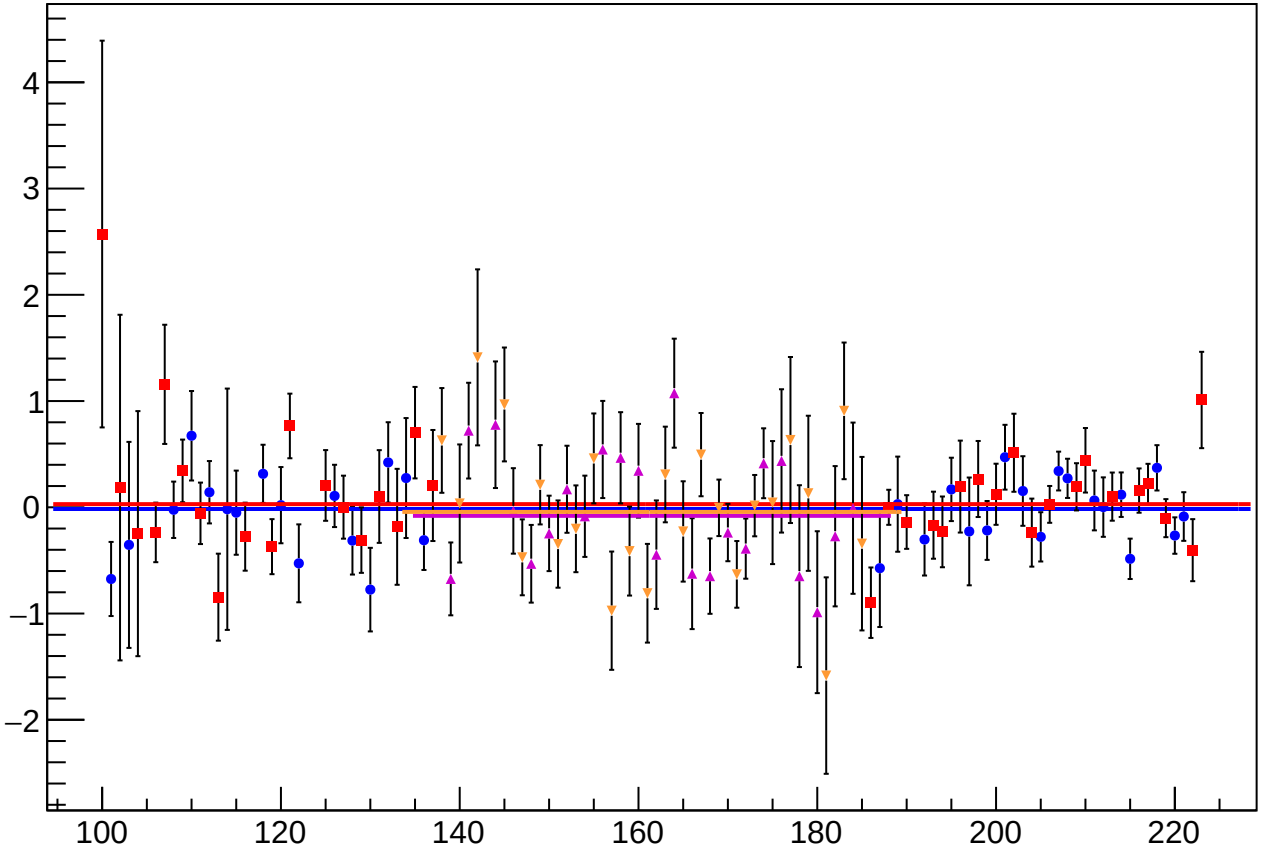
Right: 210.021+/-0.024 χ^2/NDF: 6429057.2/70

In: 246.786+/-0.030 χ^2/NDF:9146843.1/56

Out: 241.948+/-0.030 χ^2/NDF:11445665.6/60

All: 244.351+/-0.021 χ^2/NDF: 20605493.6/11

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

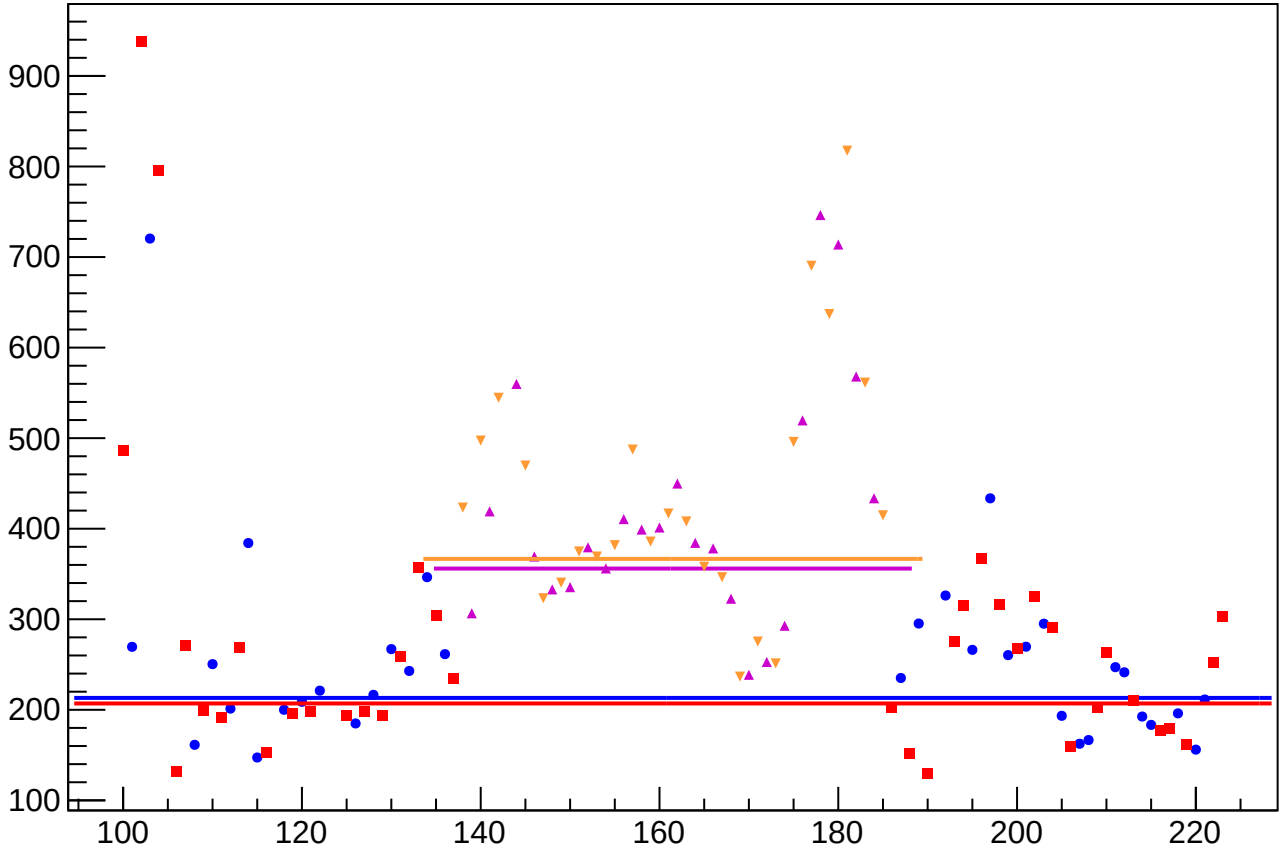
Right: 0.007+/-0.034 χ^2/NDF: 93.2/70

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.014+/-0.042 χ^2/NDF:81.3/60

All: -0.009+/-0.030 χ^2/NDF: 155.5/117

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

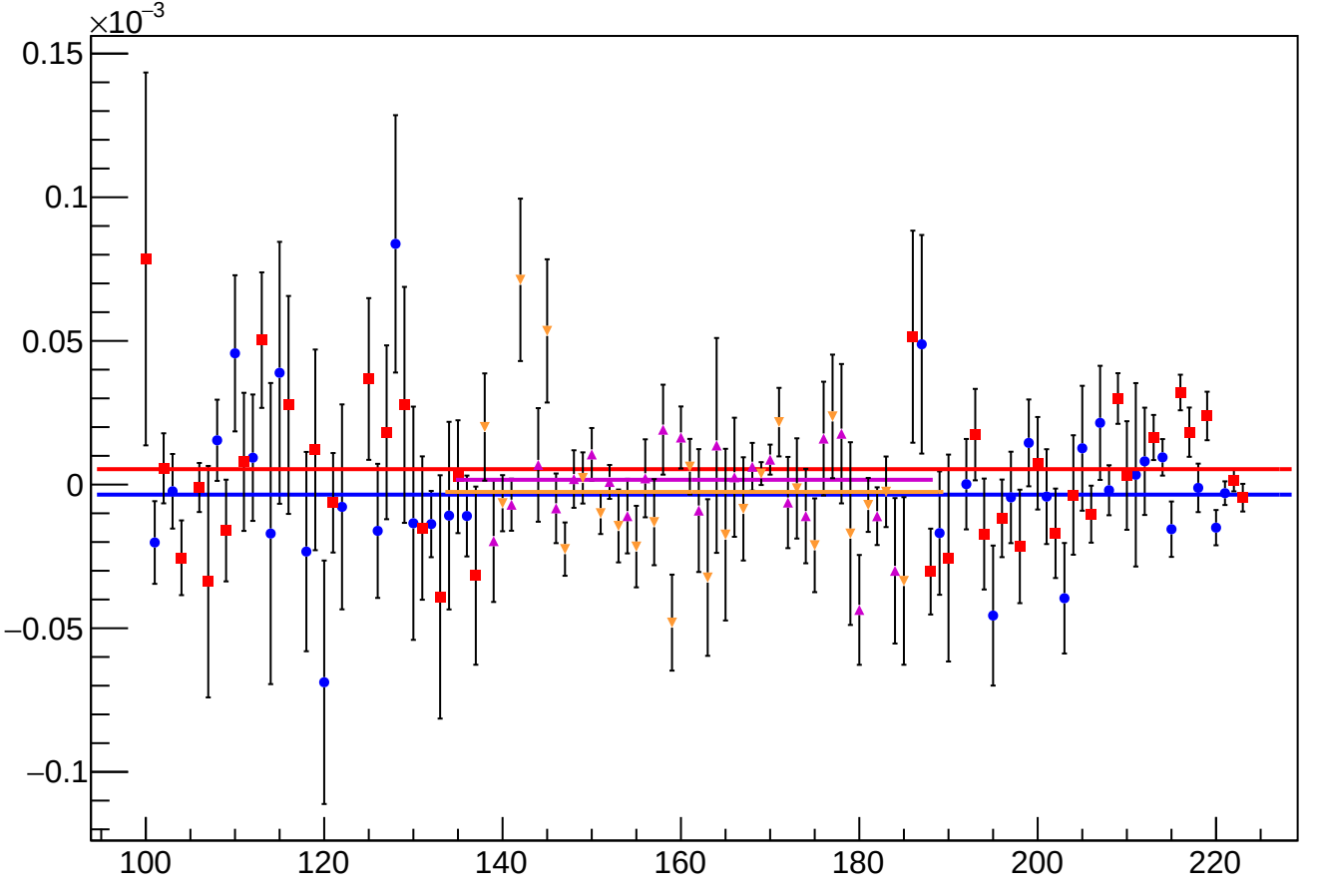
Right: 210.021+/-0.024 χ^2/NDF: 6429057.2/70

In: 246.786+/-0.030 χ^2/NDF:9146843.1/56

Out: 241.948+/-0.030 χ^2/NDF:11445665.6/60

All: 244.351+/-0.021 χ^2/NDF: 20605493.6/11

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

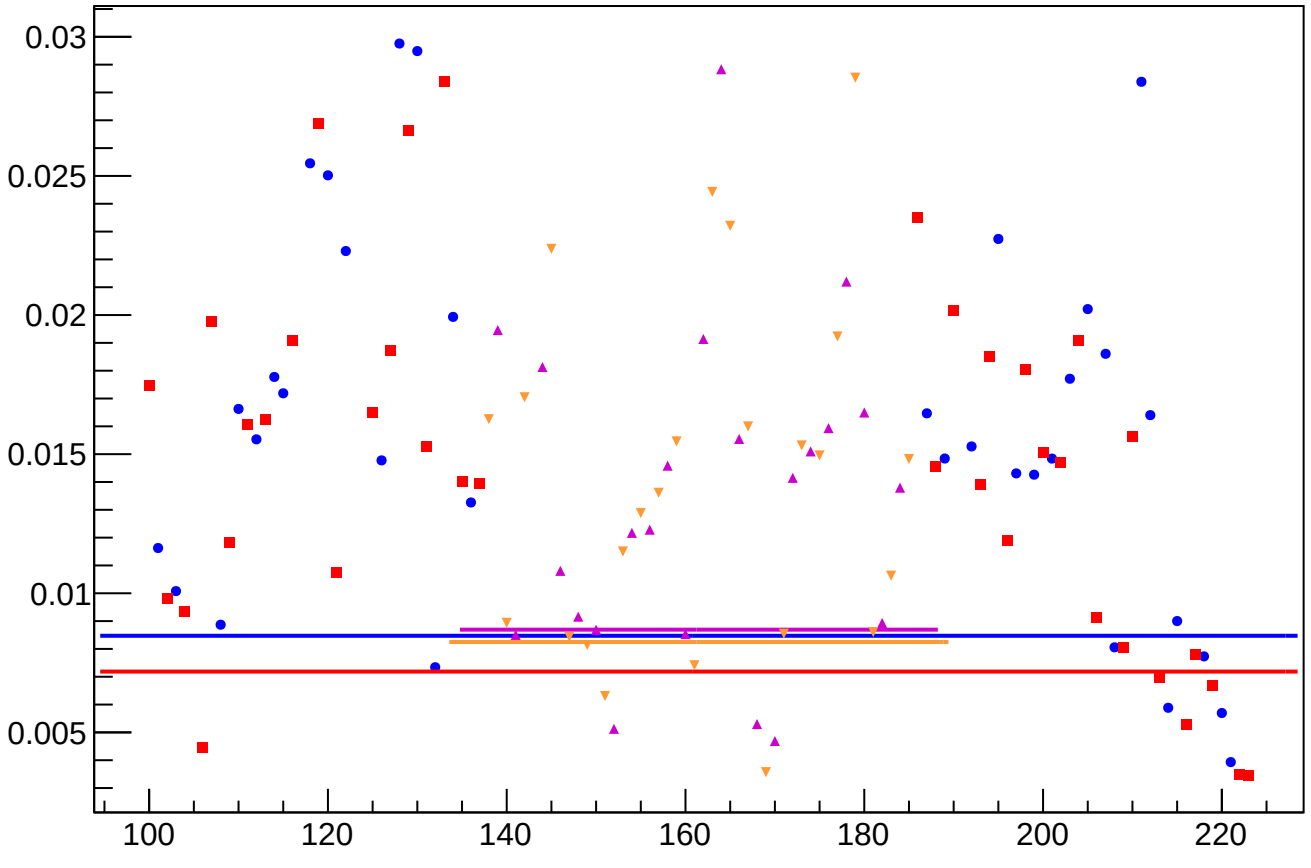
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 125.9/70

In: -0.000+/-0.000 χ^2/NDF:61.2/56

Out: 0.000+/-0.000 χ^2/NDF:129.1/60

All: 0.000+/-0.000 χ^2/NDF: 192.7/117



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

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

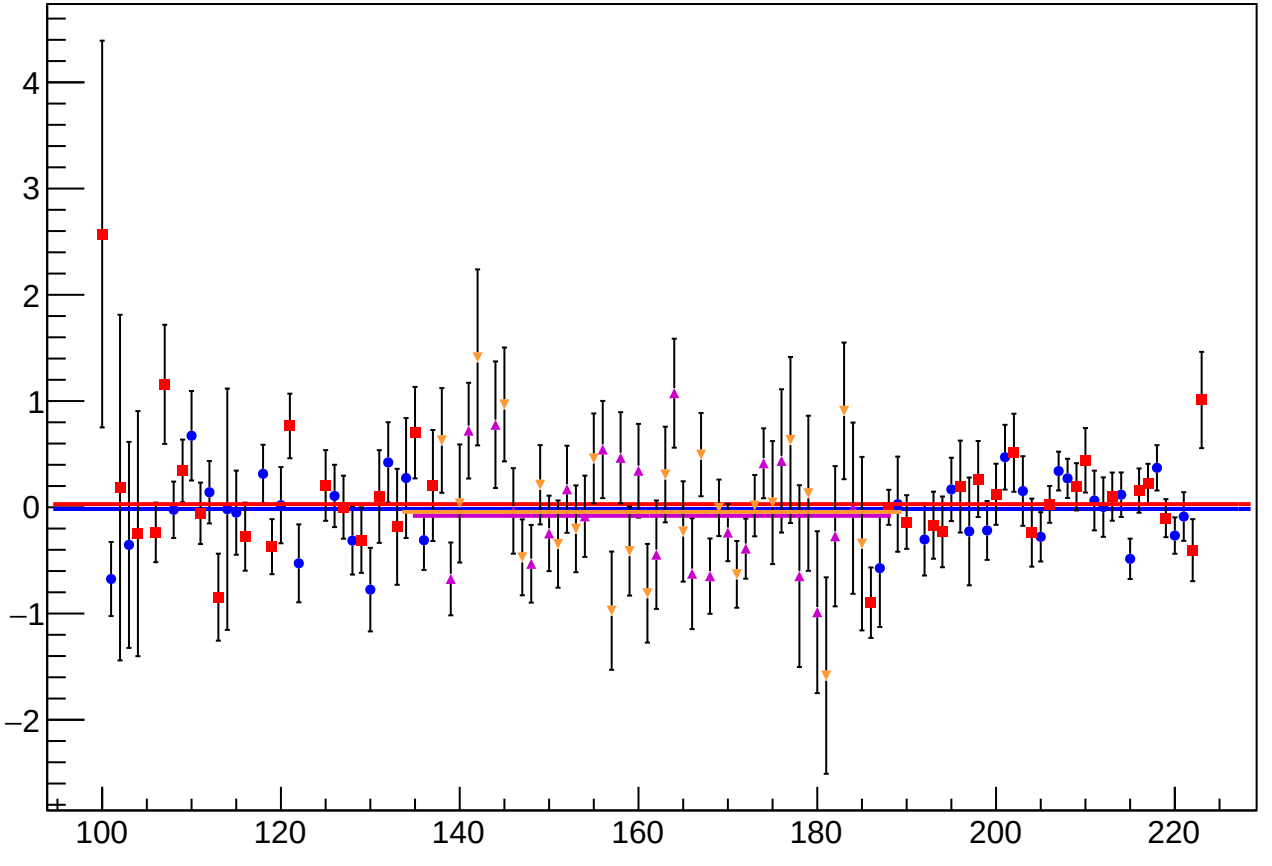
Right: 0.008+/-0.000 χ^2/NDF: 24632032.7/70

In: 0.009+/-0.000 χ^2/NDF:18341287.9/56

Out: 0.008+/-0.000 χ^2/NDF:21905393.7/60

All: 0.008+/-0.000 χ^2/NDF: 40648941.3/117

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

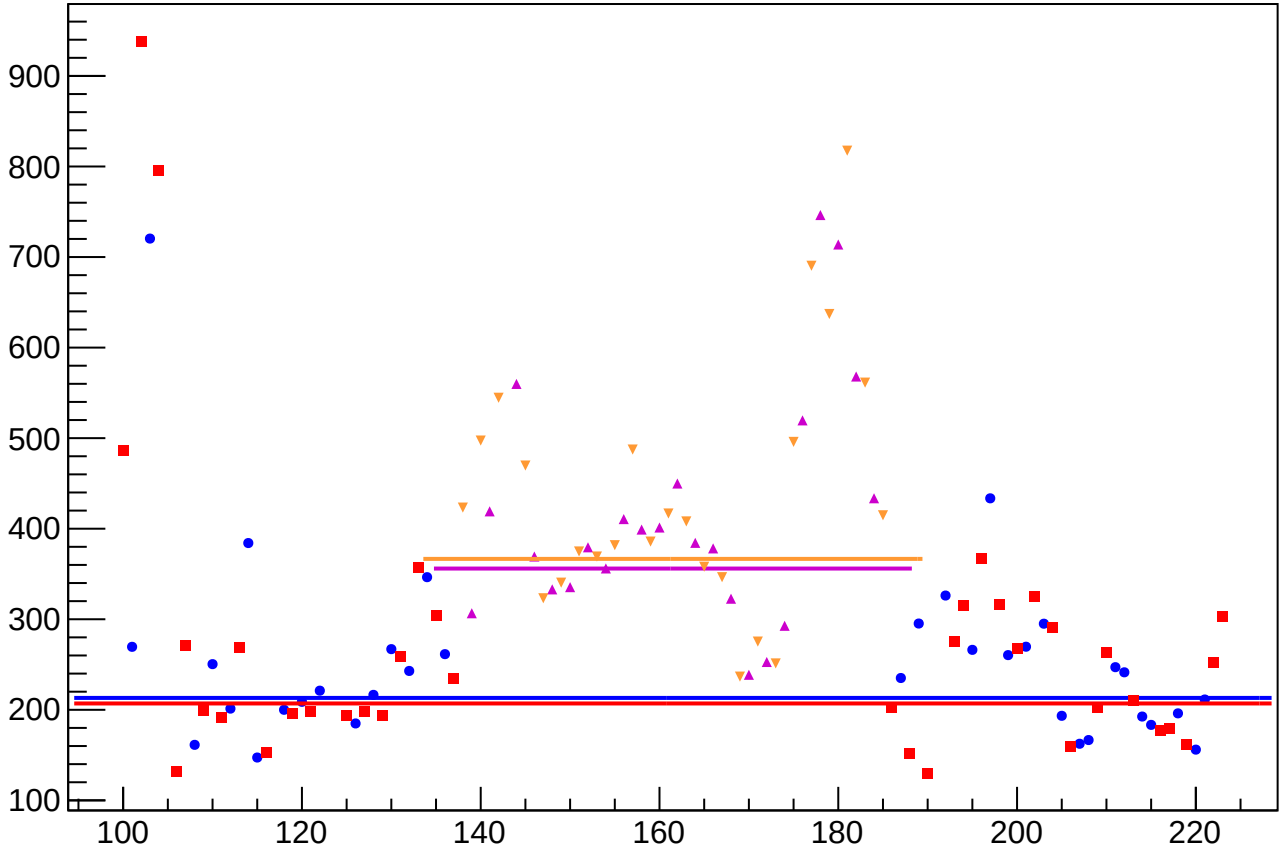
Right: 0.007+/-0.034 χ^2/NDF: 93.2/70

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.014+/-0.042 χ^2/NDF:81.3/60

All: -0.009+/-0.030 χ^2/NDF: 155.5/117

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

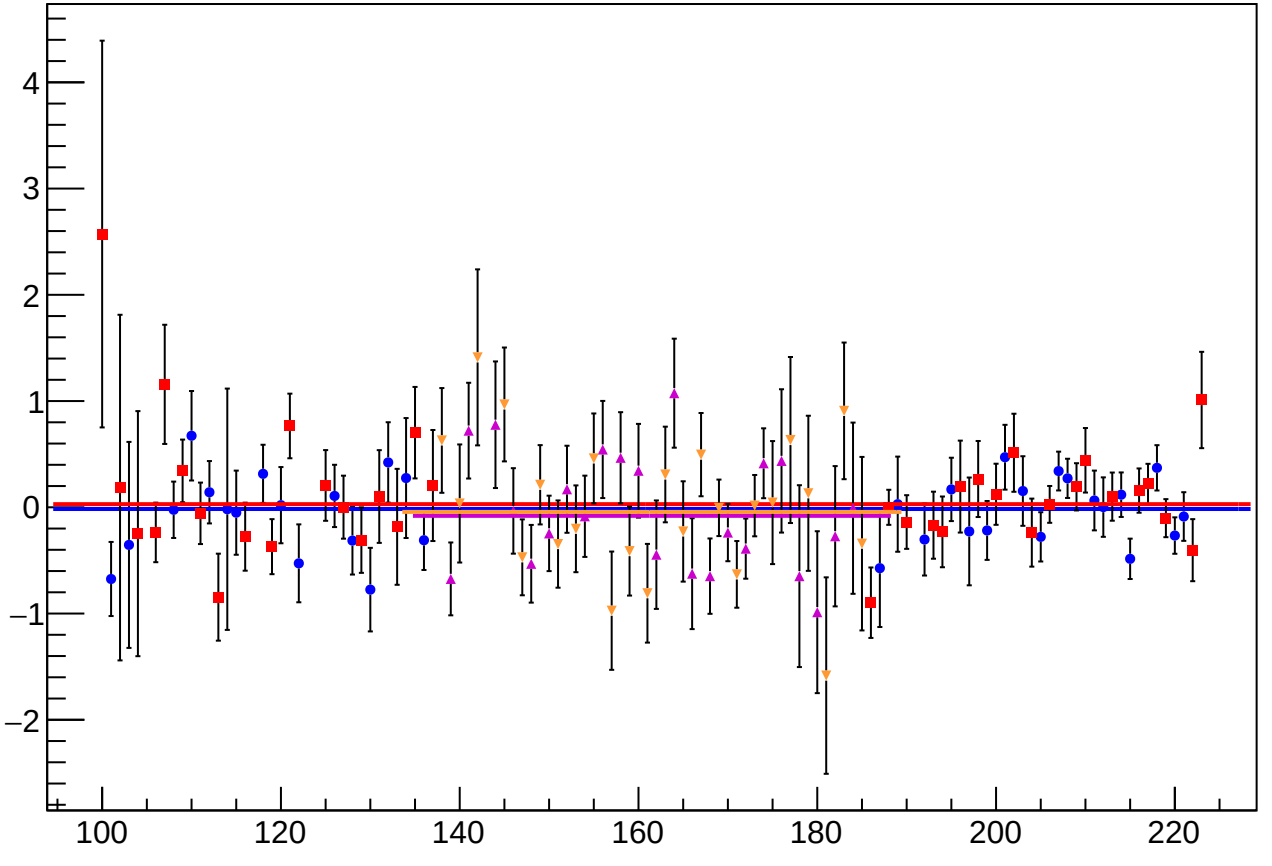
Right: 210.019+/-0.024 χ^2/NDF: 6429161.0/70

In: 246.785+/-0.030 χ^2/NDF:9147129.7/56

Out: 241.945+/-0.030 χ^2/NDF:11446114.3/60

All: 244.349+/-0.021 χ^2/NDF: 20606237.8/11

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

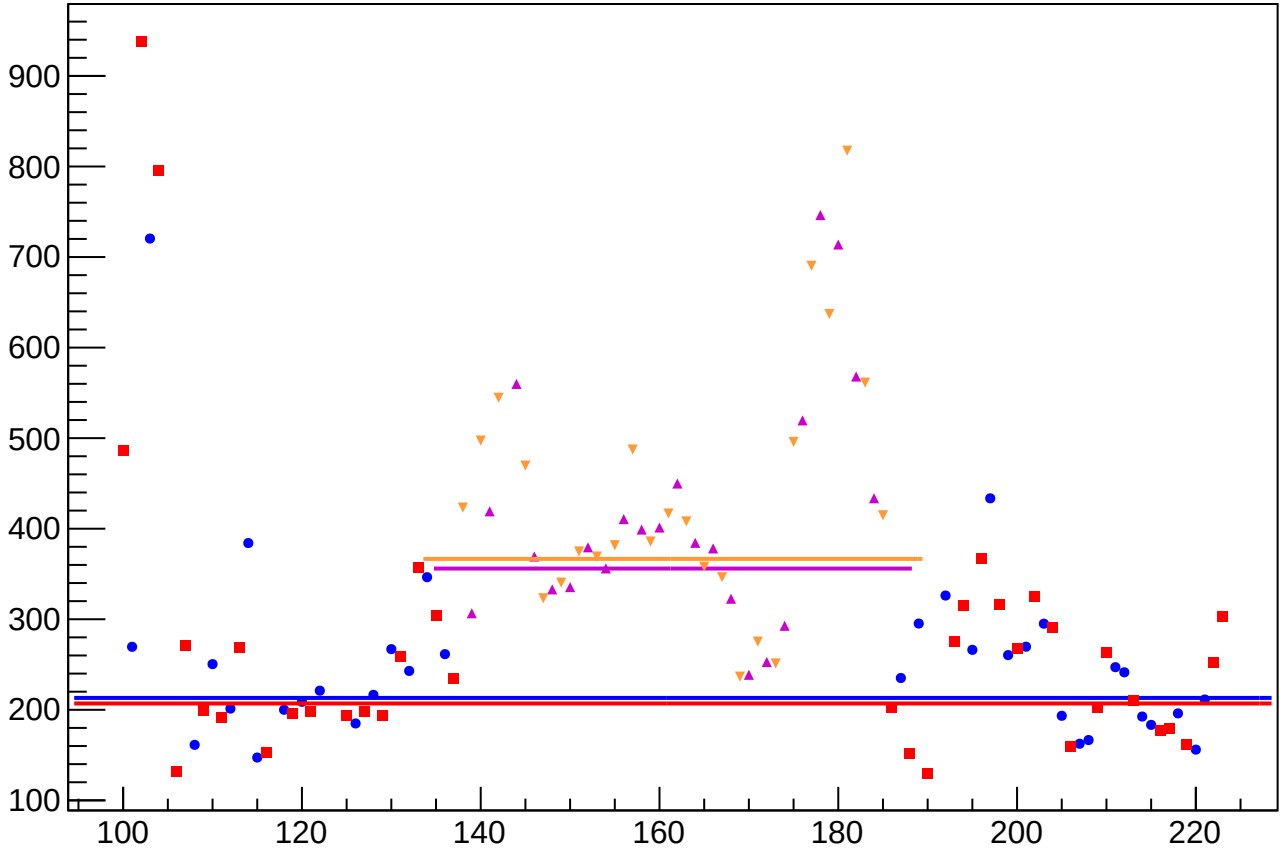
Right: 0.007+/-0.034 χ^2/NDF: 93.2/70

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.014+/-0.042 χ^2/NDF:81.3/60

All: -0.009+/-0.030 χ^2/NDF: 155.5/117

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

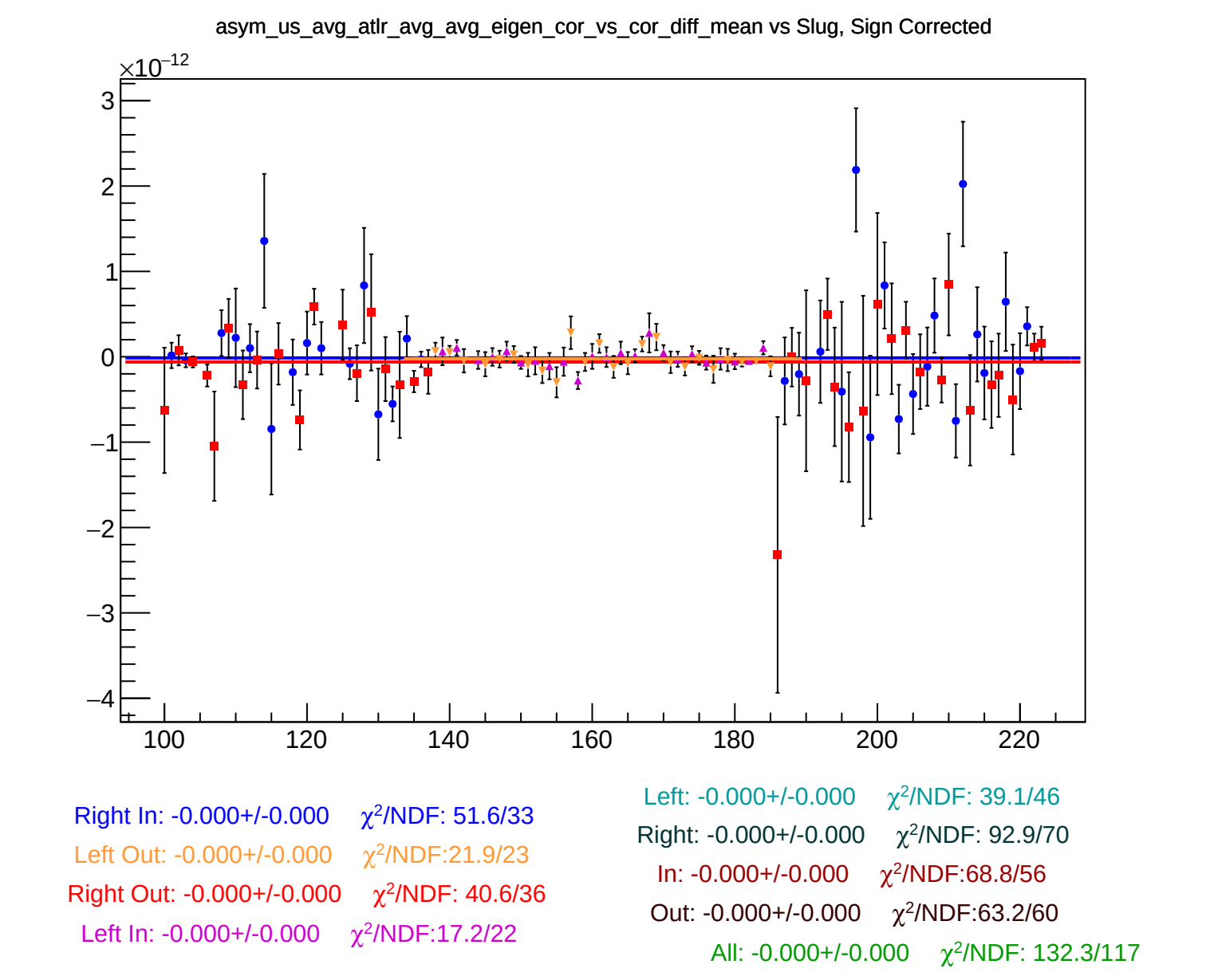
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

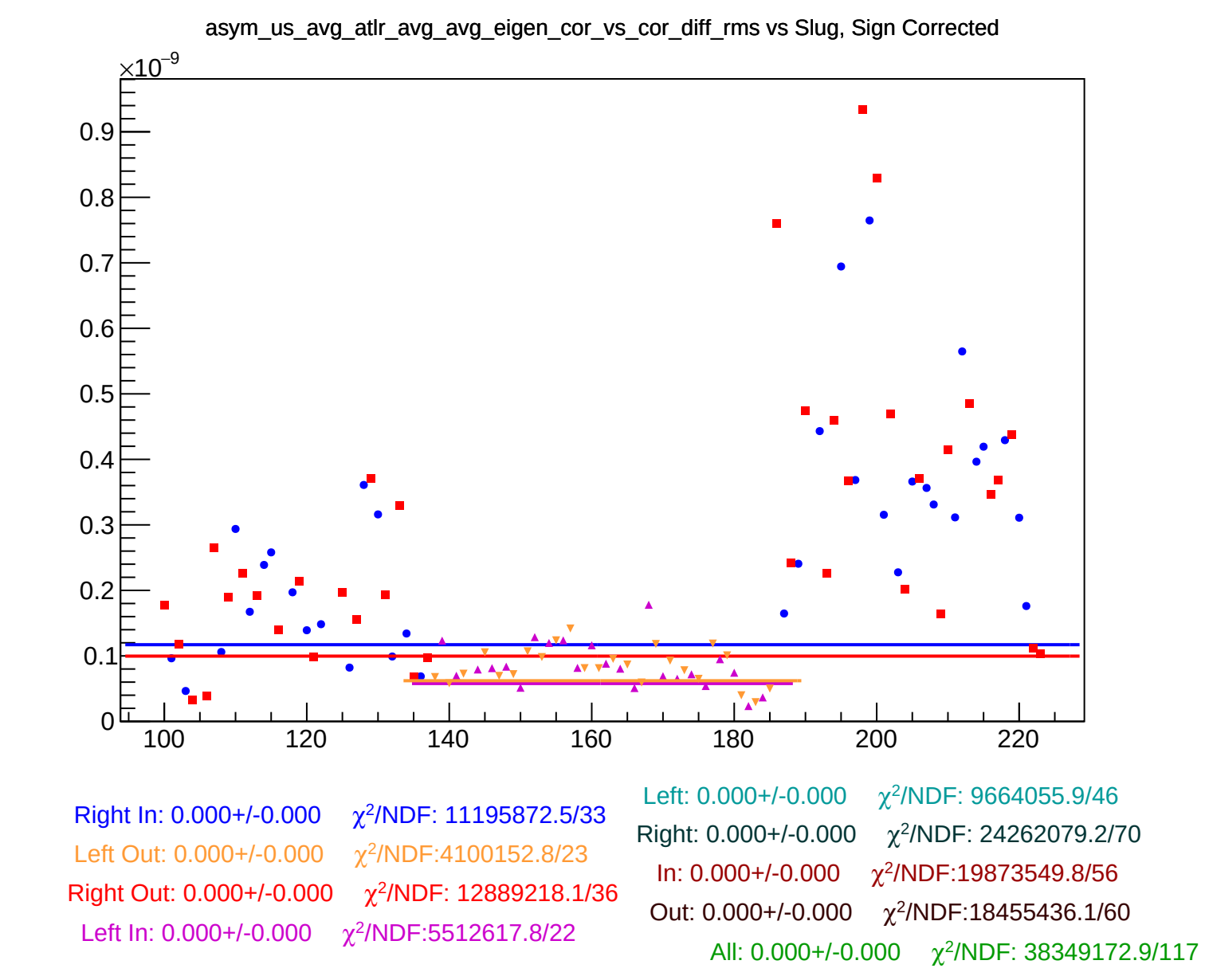
Right: 210.019+/-0.024 χ^2/NDF: 6429161.0/70

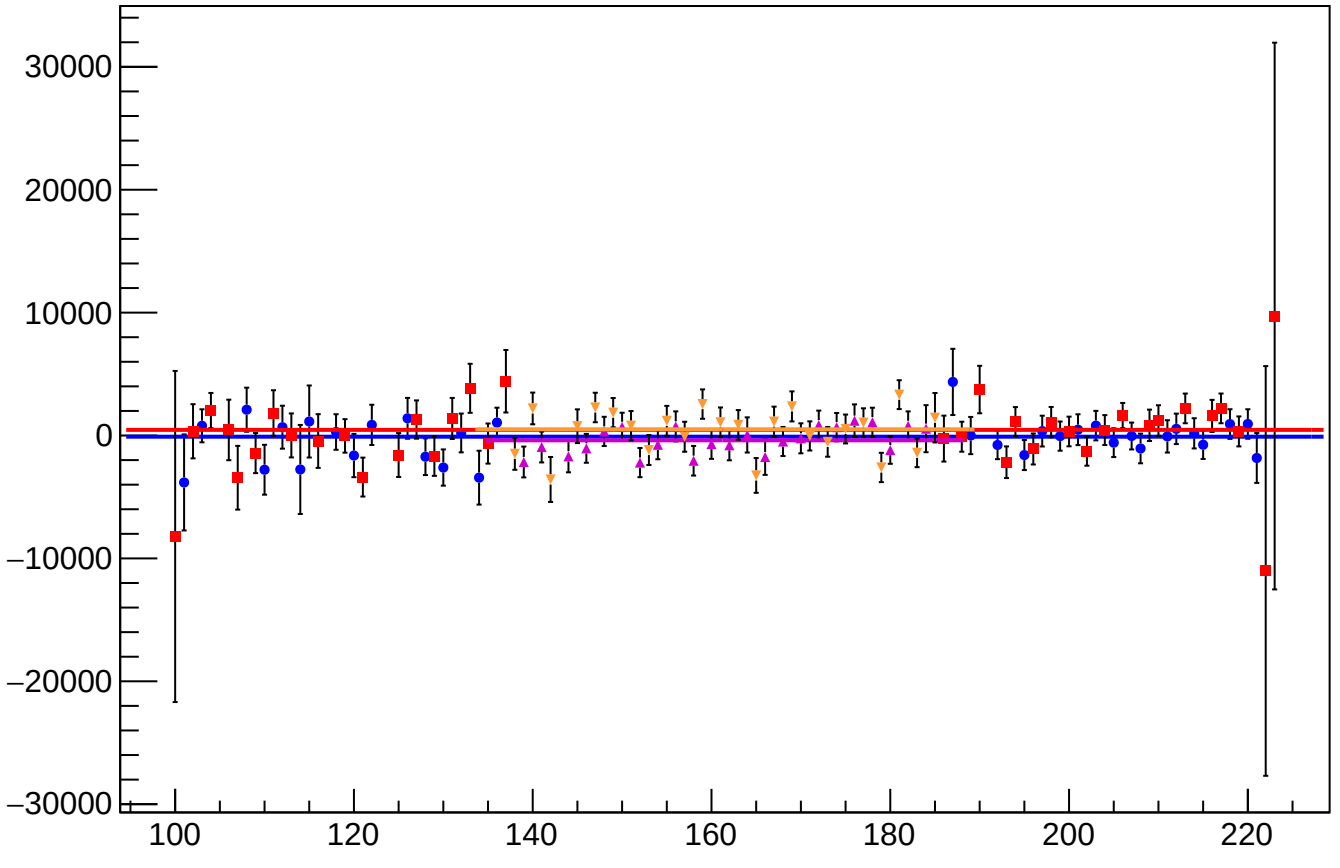
In: 246.785+/-0.030 χ^2/NDF:9147129.7/56

Out: 241.945+/-0.030 χ^2/NDF:11446114.3/60

All: 244.349+/-0.021 χ^2/NDF: 20606237.8/11


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×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: 51.6/33
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 40.6/36
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 92.9/70
In: -0.000+/-0.000 χ²/NDF:68.8/56
Out: -0.000+/-0.000 χ²/NDF:63.2/60
All: -0.000+/-0.000 χ²/NDF: 132.3/117


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 11195872.5/33
Left Out: 0.000+/-0.000 χ²/NDF:4100152.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 12889218.1/36
Left In: 0.000+/-0.000 χ²/NDF:5512617.8/22
Left: 0.000+/-0.000 χ²/NDF: 9664055.9/46
Right: 0.000+/-0.000 χ²/NDF: 24262079.2/70
In: 0.000+/-0.000 χ²/NDF:19873549.8/56
Out: 0.000+/-0.000 χ²/NDF:18455436.1/60
All: 0.000+/-0.000 χ²/NDF: 38349172.9/117



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

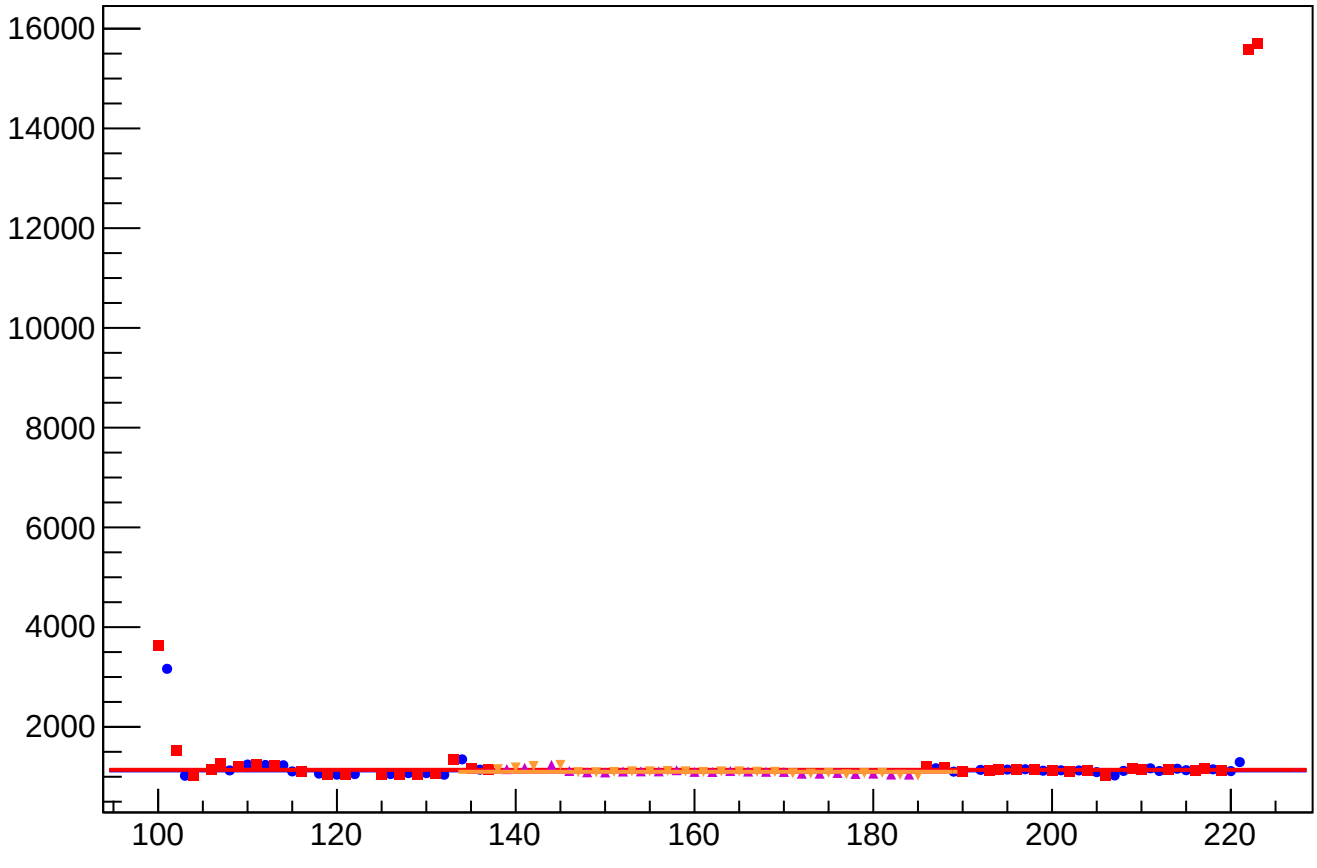
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 177.487+/-174.726 χ^2/NDF: 67.0/70

In: -236.534+/-177.574 χ^2/NDF:42.5/56

Out: 480.571+/-178.310 χ^2/NDF:85.1/60

All: 120.535+/-125.823 χ^2/NDF: 135.7/117



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:52145.9/22

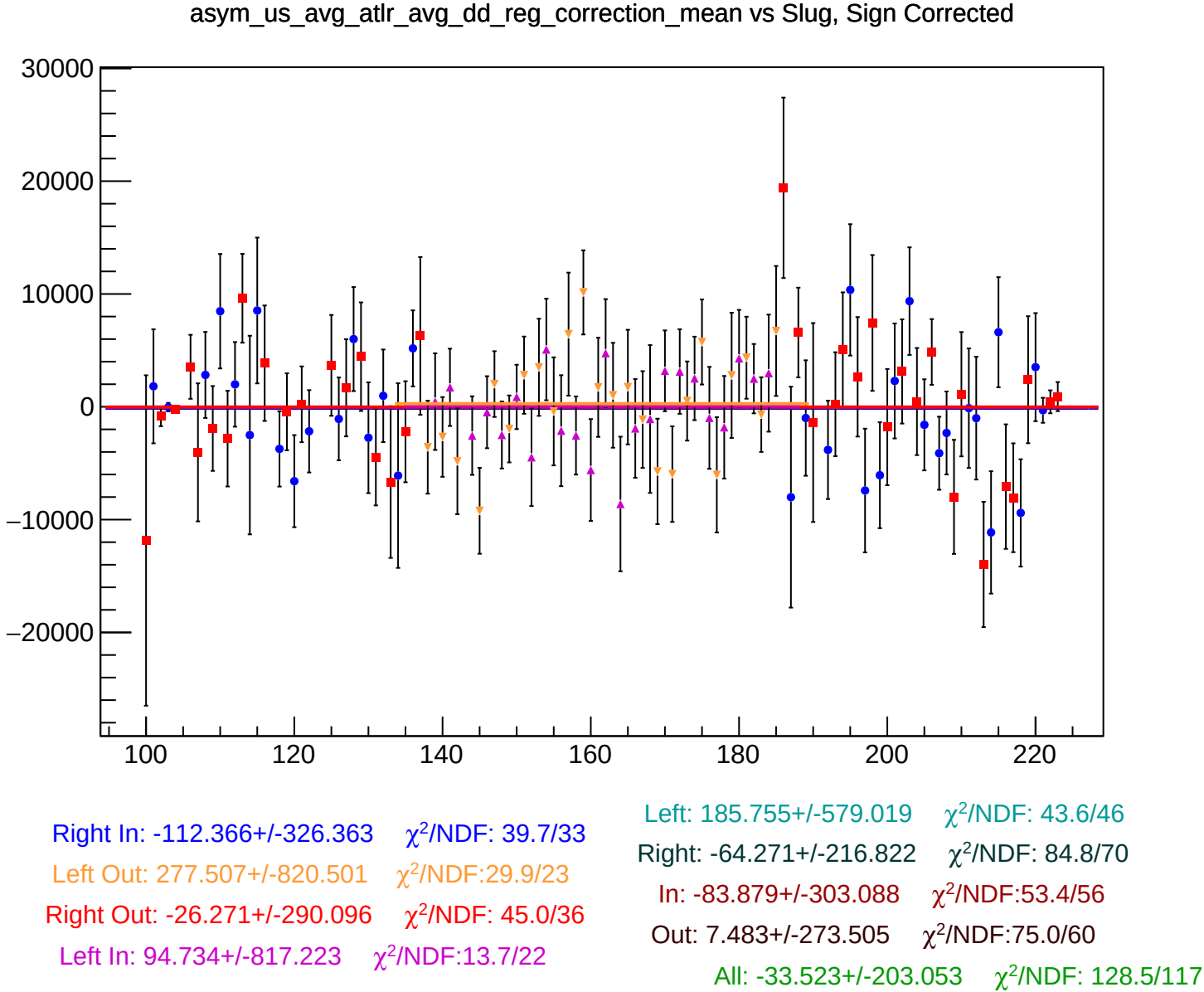
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1133.146+/-0.124 χ^2/NDF: 3274572.3/70

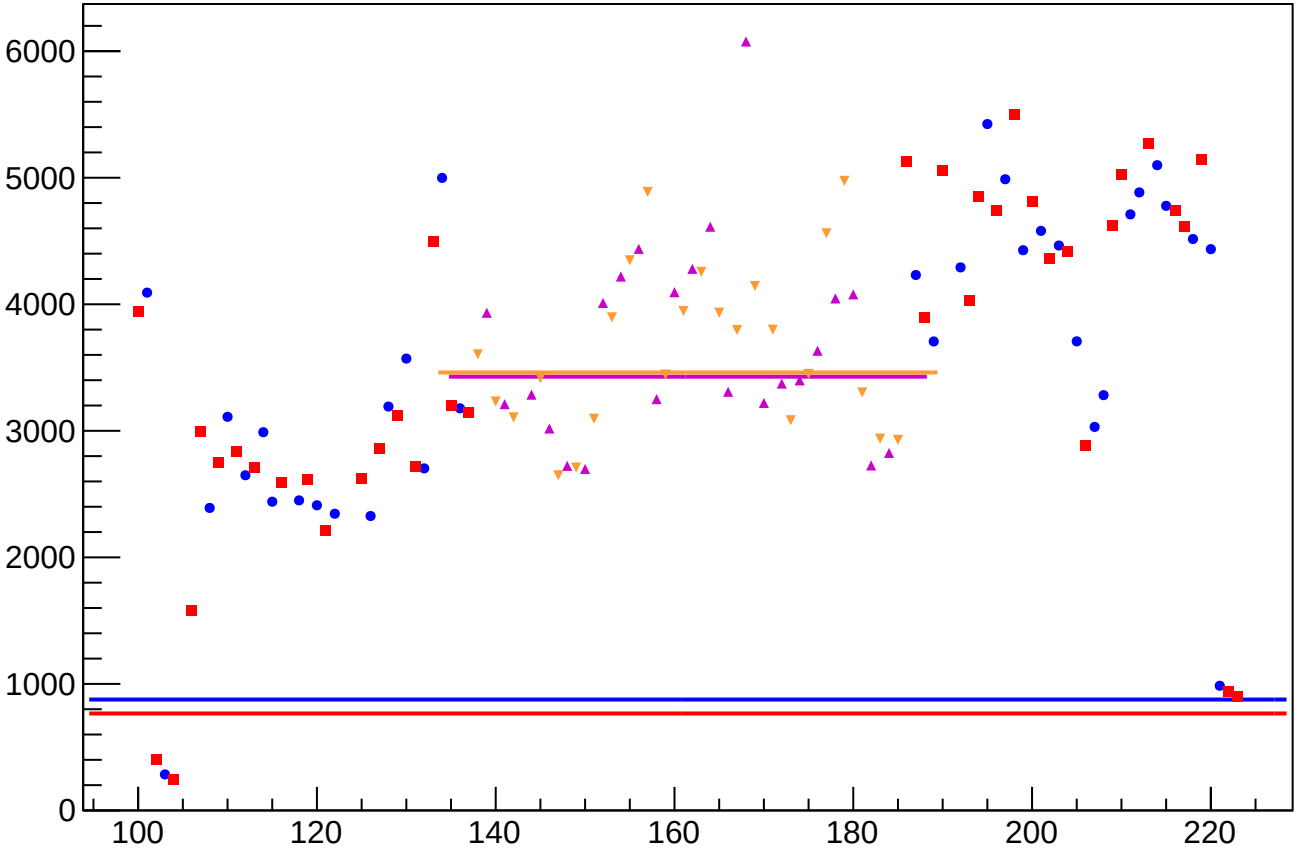
In: 1115.074+/-0.126 χ^2/NDF:723532.1/56

Out: 1120.093+/-0.126 χ^2/NDF:2694182.5/60

All: 1117.574+/-0.089 χ^2/NDF: 3418510.5/11


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -112.366+/-326.363 χ²/NDF: 39.7/33
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -26.271+/-290.096 χ²/NDF: 45.0/36
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -64.271+/-216.822 χ²/NDF: 84.8/70
In: -83.879+/-303.088 χ²/NDF:53.4/56
Out: 7.483+/-273.505 χ²/NDF:75.0/60
All: -33.523+/-203.053 χ²/NDF: 128.5/117

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



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

Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

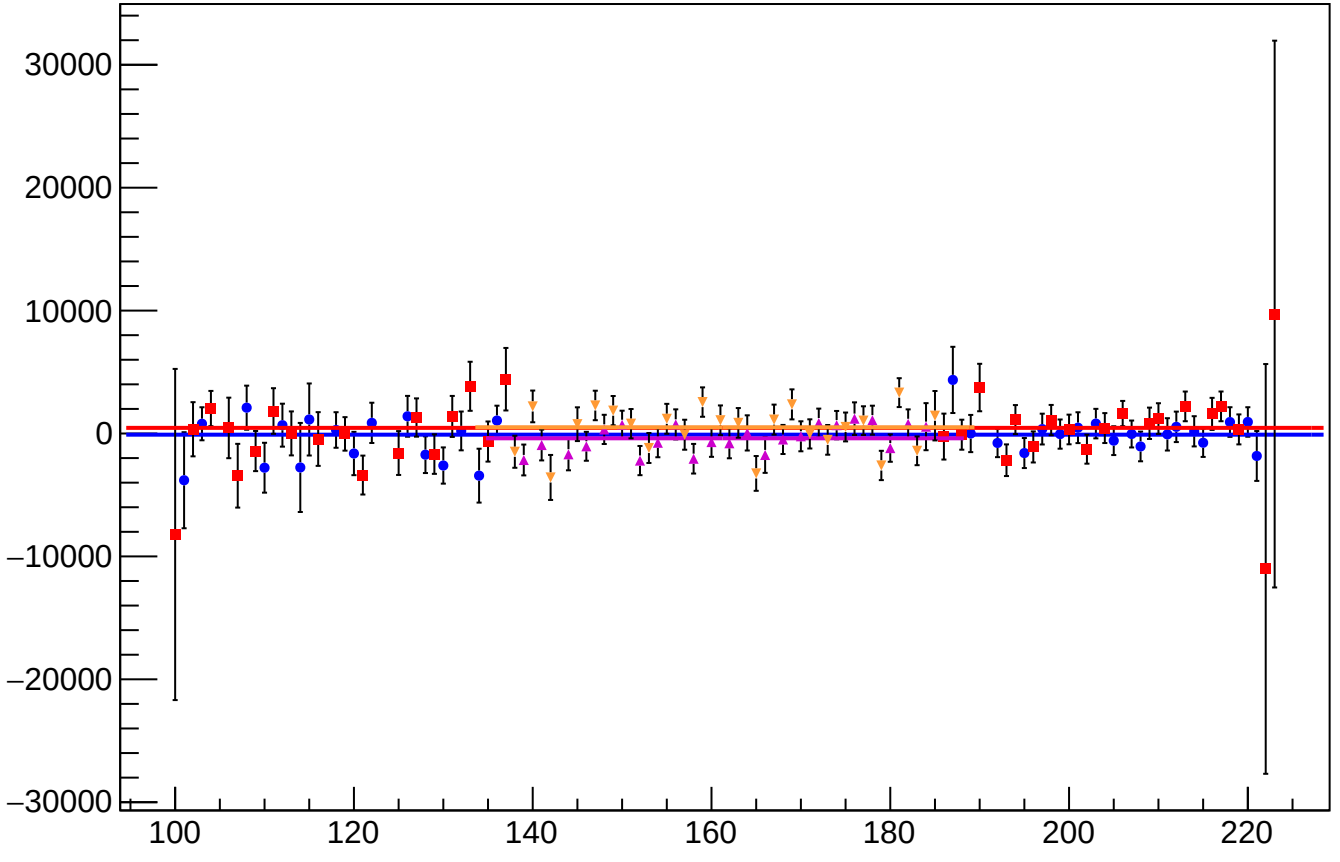
Right: 814.951+/-0.153 χ^2/NDF: 58631914.4/70

In: 1227.395+/-0.214 χ^2/NDF:46857758.6/56

Out: 1065.801+/-0.193 χ^2/NDF:49939740.8/60

All: 1138.329+/-0.144 χ^2/NDF: 97110849.6/1

cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected



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

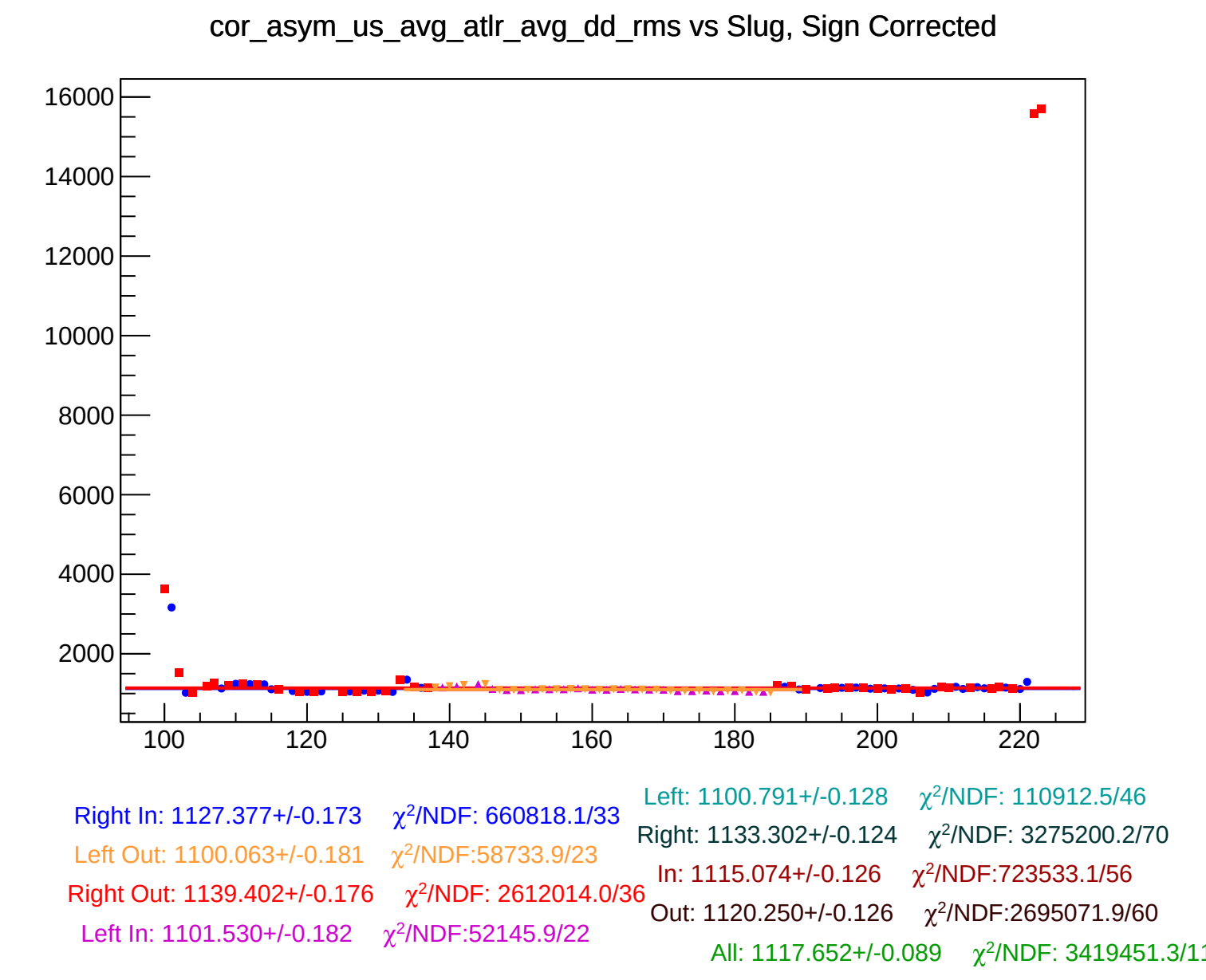
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

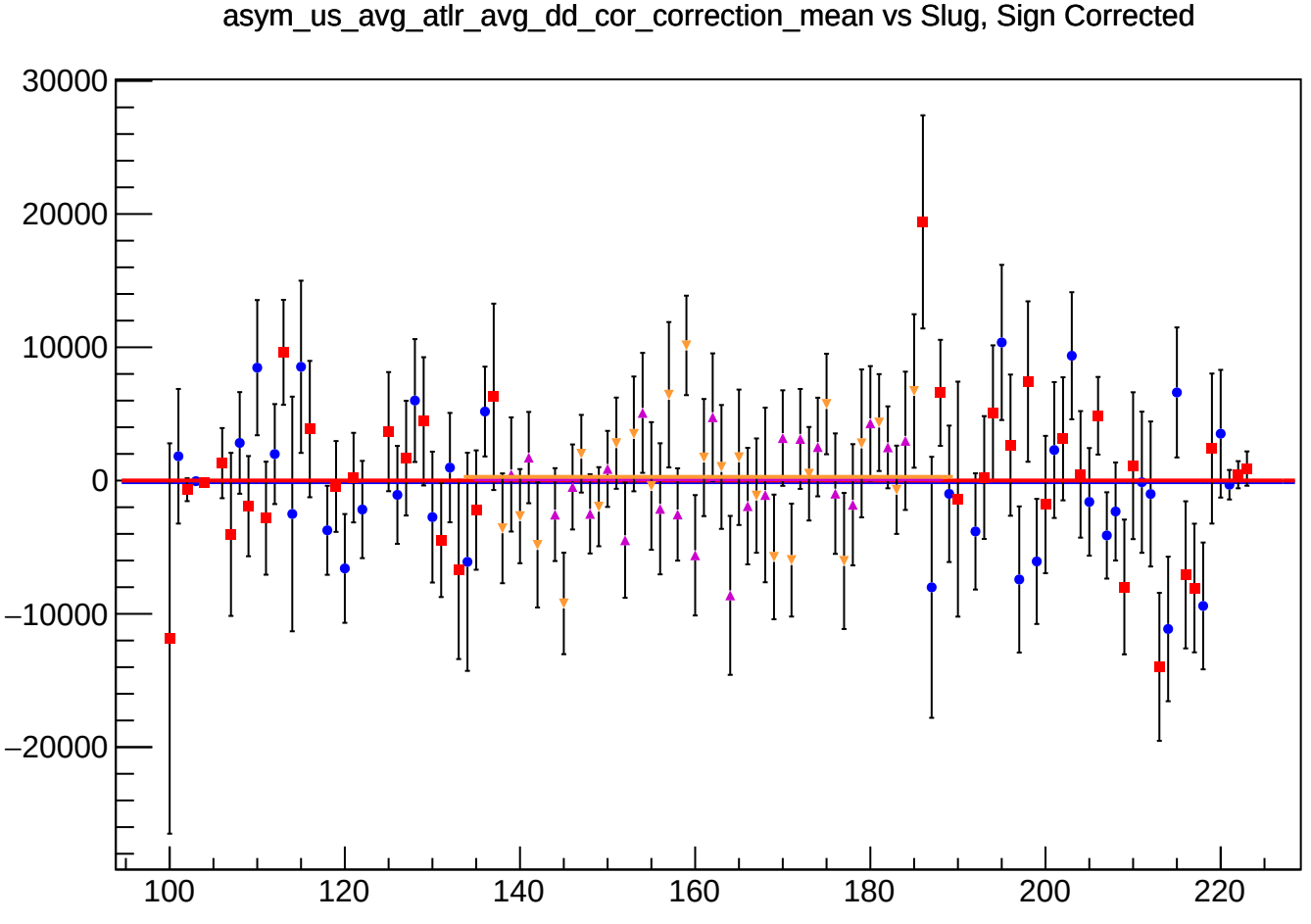
Right: 177.536+/-174.726 χ^2/NDF: 67.0/70

In: -236.488+/-177.574 χ^2/NDF:42.5/56

Out: 480.618+/-178.310 χ^2/NDF:85.1/60

All: 120.582+/-125.823 χ^2/NDF: 135.6/117


cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1127.377+/-0.173 χ²/NDF: 660818.1/33
Left Out: 1100.063+/-0.181 χ²/NDF:58733.9/23
Right Out: 1139.402+/-0.176 χ²/NDF: 2612014.0/36
Left In: 1101.530+/-0.182 χ²/NDF:52145.9/22
Left: 1100.791+/-0.128 χ²/NDF: 110912.5/46
Right: 1133.302+/-0.124 χ²/NDF: 3275200.2/70
In: 1115.074+/-0.126 χ²/NDF:723533.1/56
Out: 1120.250+/-0.126 χ²/NDF:2695071.9/60
All: 1117.652+/-0.089 χ²/NDF: 3419451.3/11



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

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

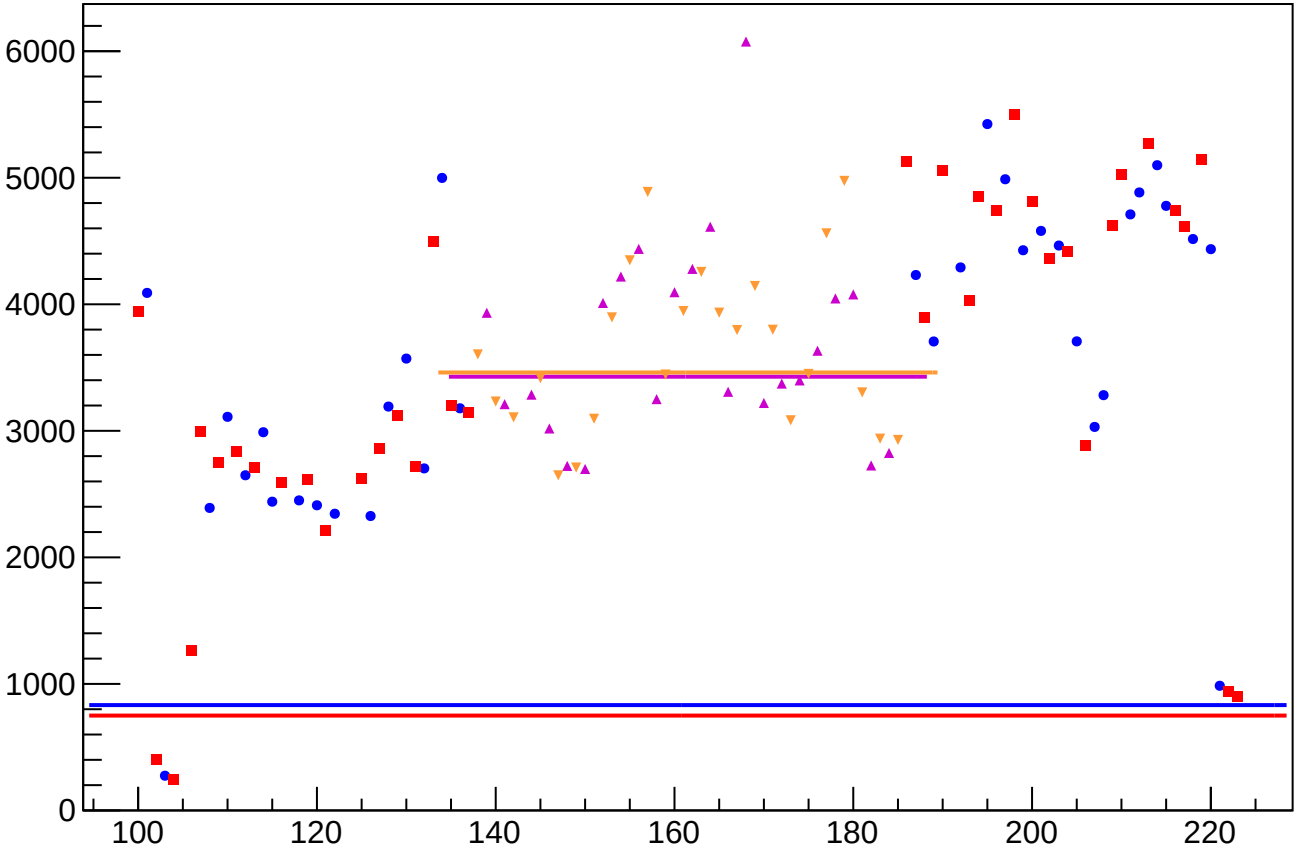
Right: -49.790+/-212.265 χ^2/NDF: 83.0/70

In: -89.757+/-294.974 χ^2/NDF:53.4/56

Out: 35.123+/-270.329 χ^2/NDF:73.2/60

All: -21.883+/-199.296 χ^2/NDF: 126.7/117

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



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

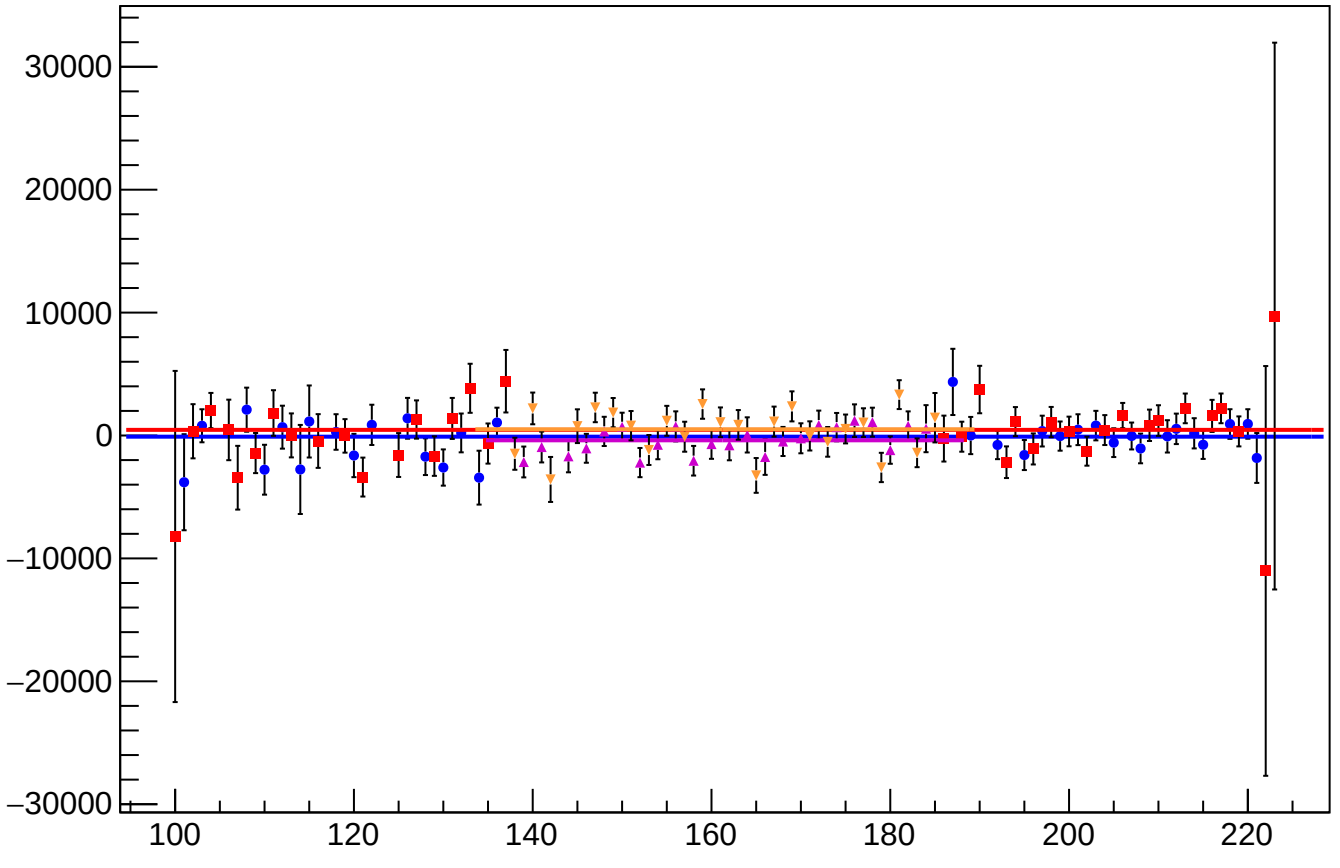
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 787.119+/-0.150 χ^2/NDF: 59253311.5/70

In: 1170.757+/-0.209 χ^2/NDF:48160883.8/56

Out: 1044.139+/-0.191 χ^2/NDF:50330851.7/60

All: 1101.938+/-0.141 χ^2/NDF: 98692028.6/1



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

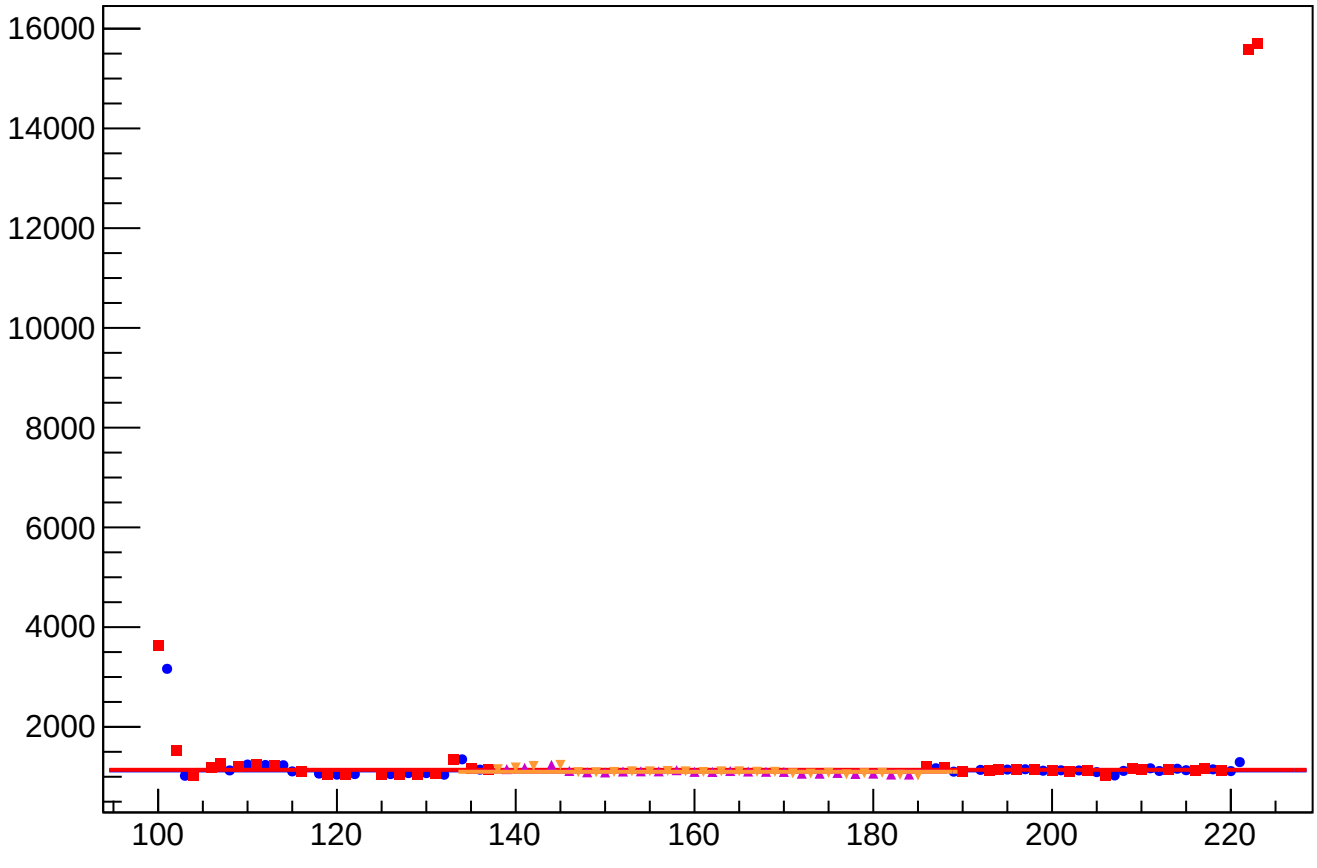
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

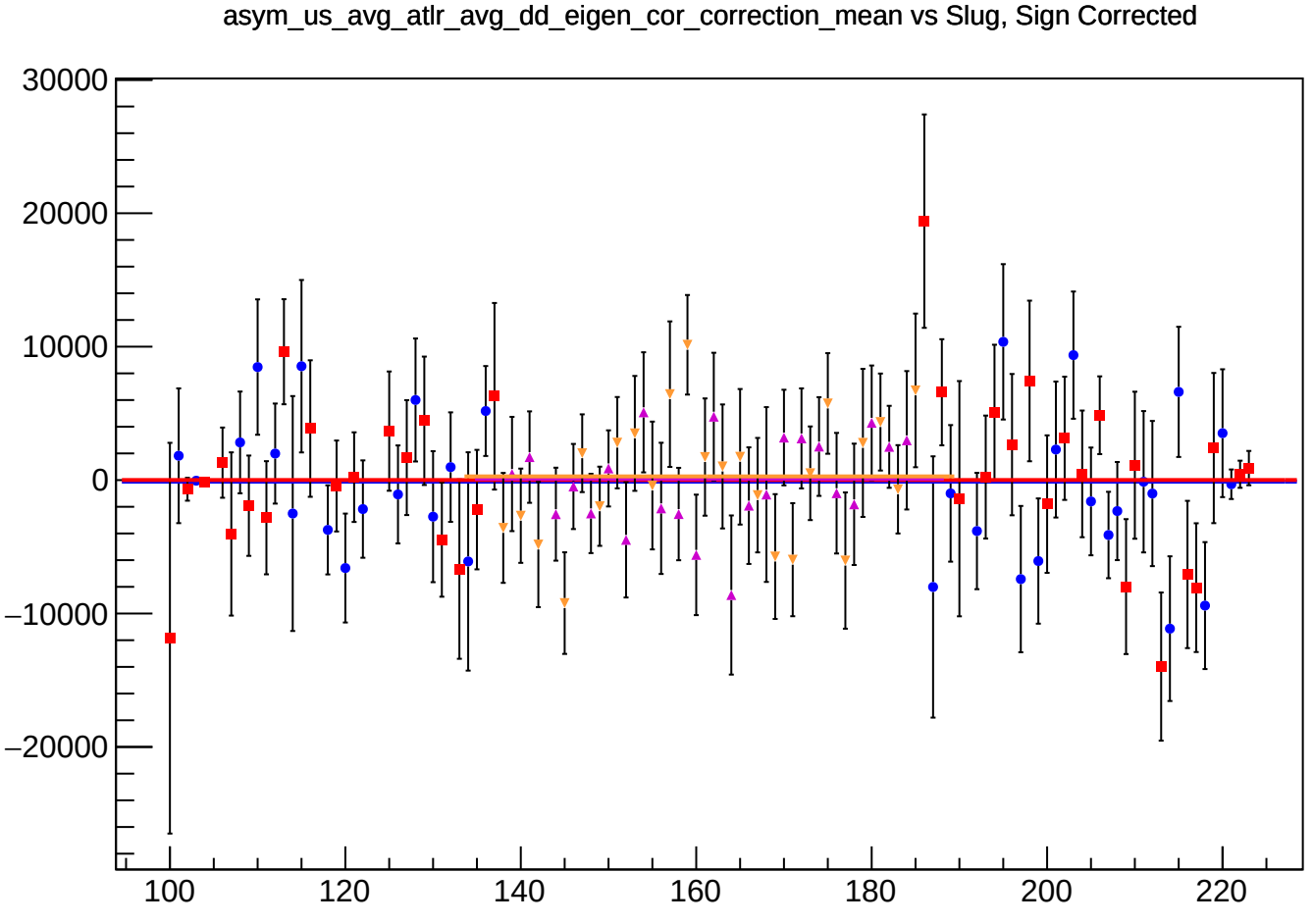
Right: 177.536+/-174.726 χ^2/NDF: 67.0/70

In: -236.488+/-177.574 χ^2/NDF:42.5/56

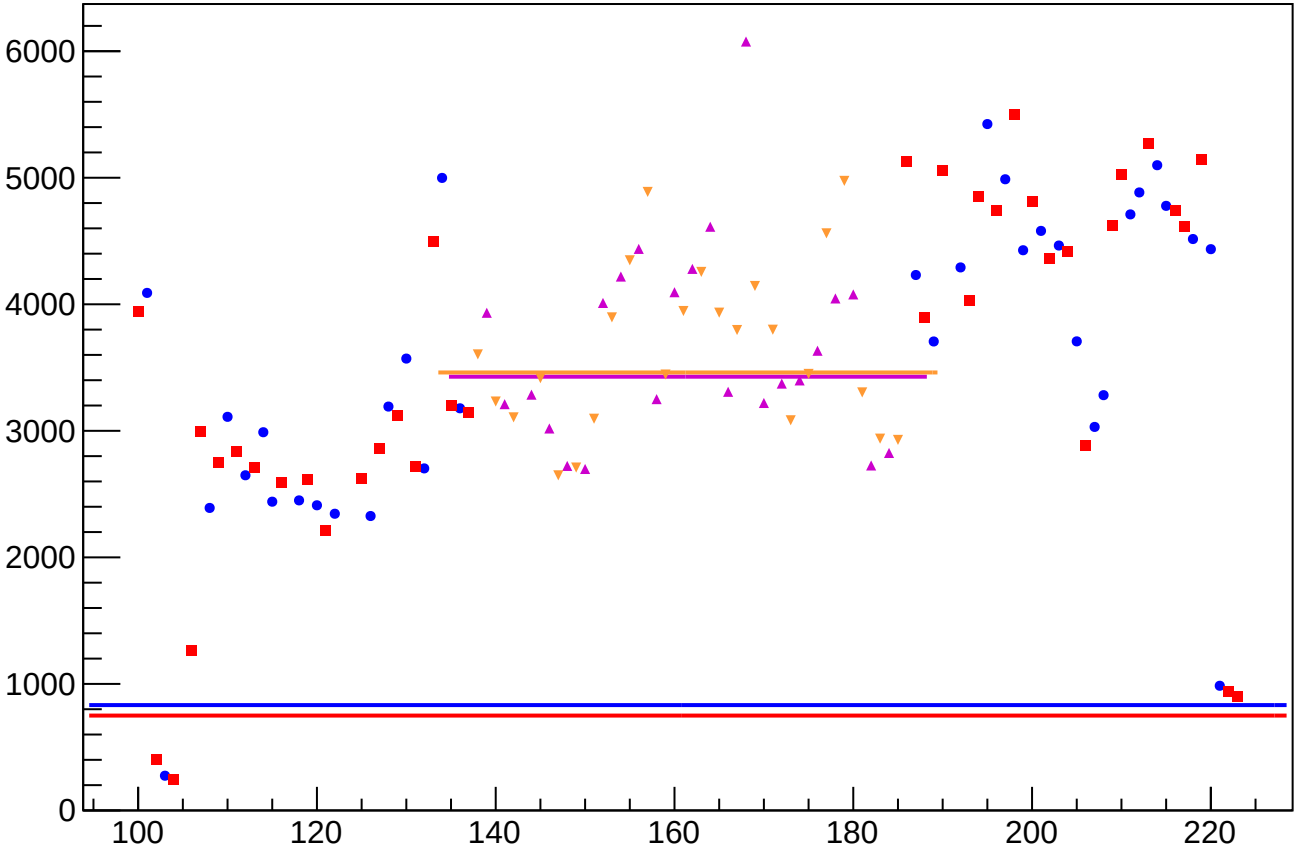
Out: 480.618+/-178.310 χ^2/NDF:85.1/60

All: 120.582+/-125.823 χ^2/NDF: 135.6/117


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1127.377+/-0.173 χ²/NDF: 660818.1/33
Left Out: 1100.063+/-0.181 χ²/NDF:58733.9/23
Right Out: 1139.402+/-0.176 χ²/NDF: 2612014.0/36
Left In: 1101.530+/-0.182 χ²/NDF:52145.9/22
Left: 1100.791+/-0.128 χ²/NDF: 110912.5/46
Right: 1133.302+/-0.124 χ²/NDF: 3275200.2/70
In: 1115.074+/-0.126 χ²/NDF:723533.1/56
Out: 1120.250+/-0.126 χ²/NDF:2695071.9/60
All: 1117.652+/-0.089 χ²/NDF: 3419451.3/11


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -117.395+/-316.296 χ²/NDF: 39.7/33
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: 5.606+/-286.315 χ²/NDF: 43.2/36
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -49.790+/-212.265 χ²/NDF: 83.0/70
In: -89.757+/-294.974 χ²/NDF:53.4/56
Out: 35.123+/-270.329 χ²/NDF:73.2/60
All: -21.883+/-199.296 χ²/NDF: 126.7/117

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

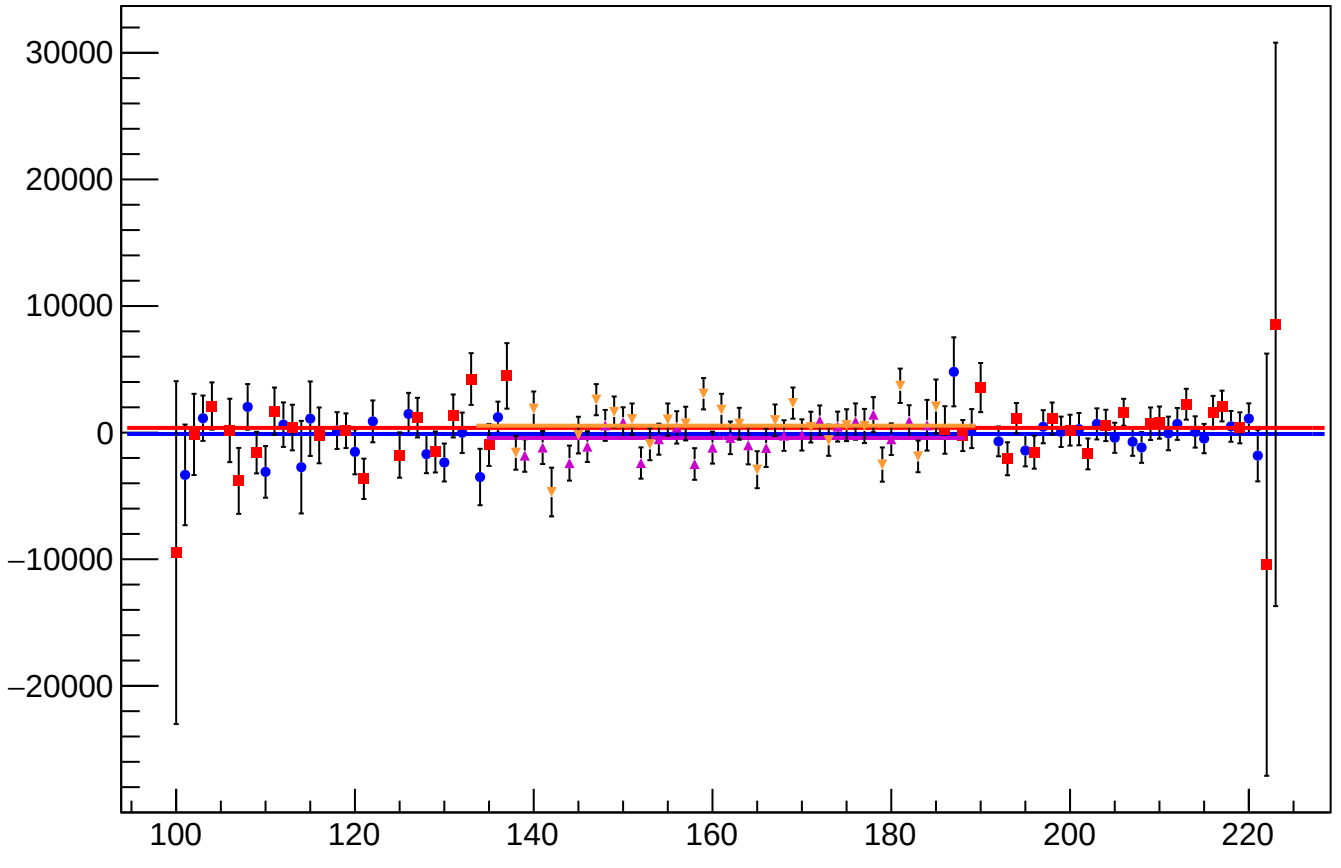
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 787.119+/-0.150 χ^2/NDF: 59253311.5/70

In: 1170.757+/-0.209 χ^2/NDF:48160883.8/56

Out: 1044.139+/-0.191 χ^2/NDF:50330851.7/60

All: 1101.938+/-0.141 χ^2/NDF: 98692028.6/1



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

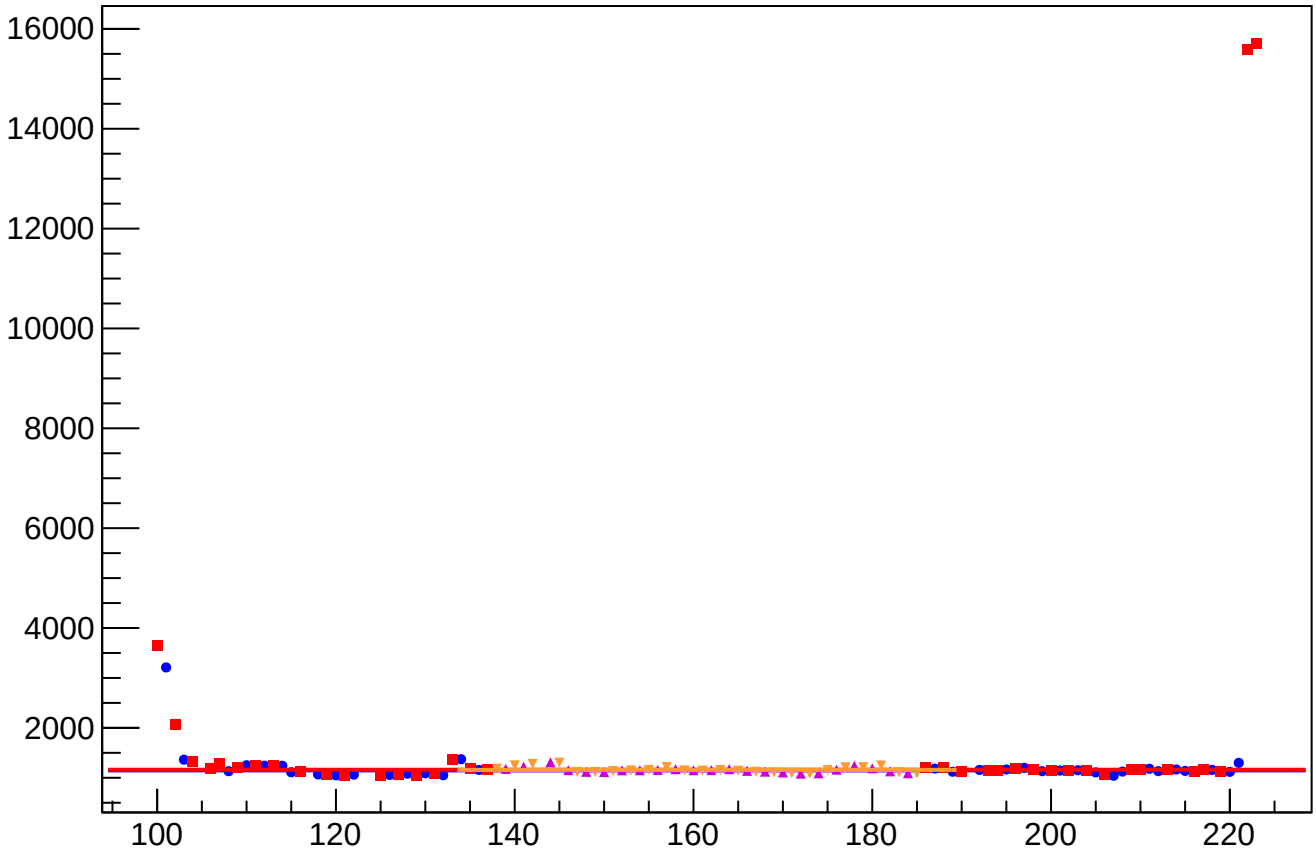
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 131.018+/-178.409 χ^2/NDF: 67.3/70

In: -251.367+/-183.412 χ^2/NDF:42.1/56

Out: 458.625+/-184.978 χ^2/NDF:87.5/60

All: 100.611+/-130.242 χ^2/NDF: 137.1/117



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

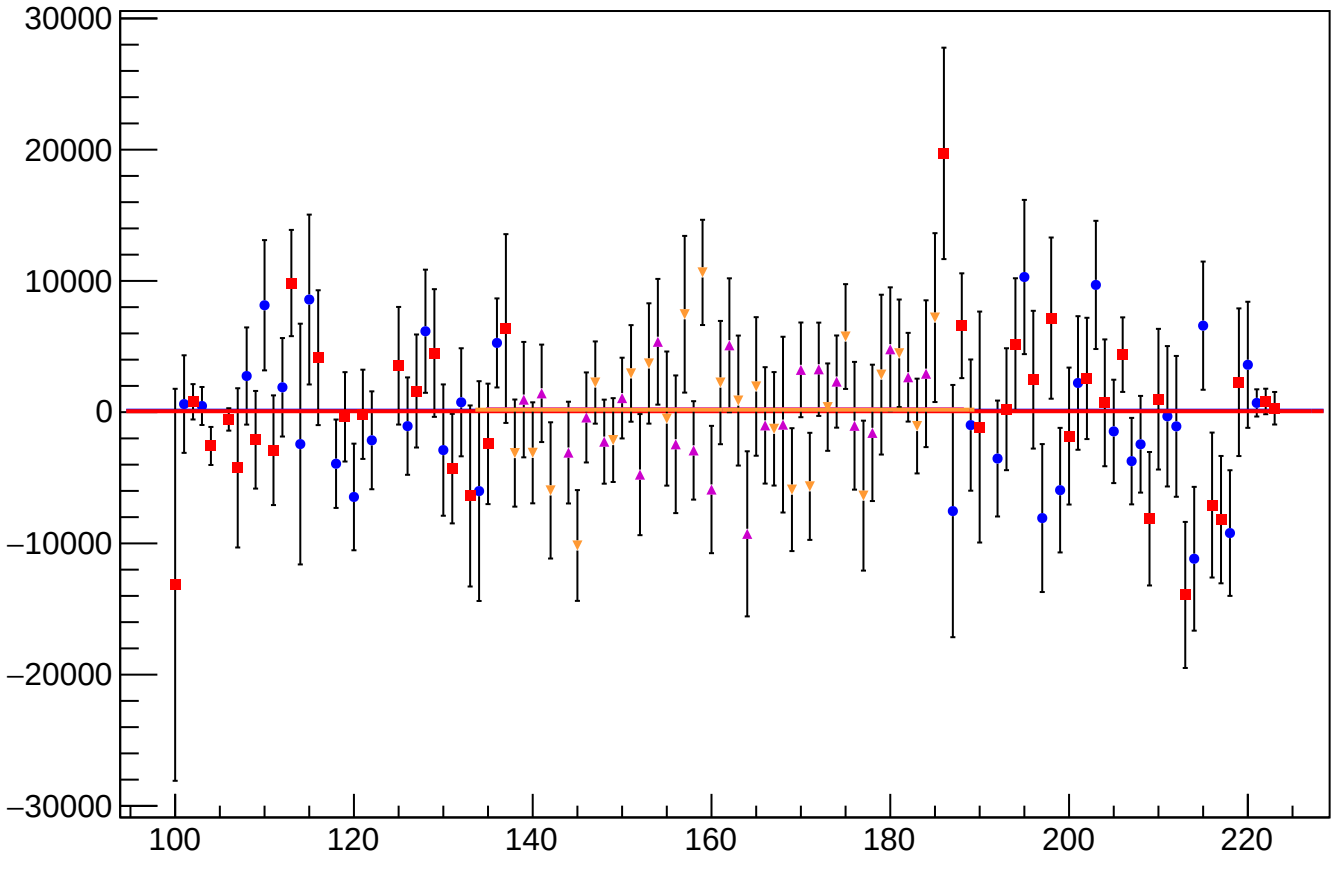
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1155.275+/-0.126 χ^2/NDF: 3393537.1/70

In: 1151.382+/-0.130 χ^2/NDF:745640.8/56

Out: 1160.113+/-0.131 χ^2/NDF:2796477.6/60

All: 1155.711+/-0.092 χ^2/NDF: 3544365.8/11



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

Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

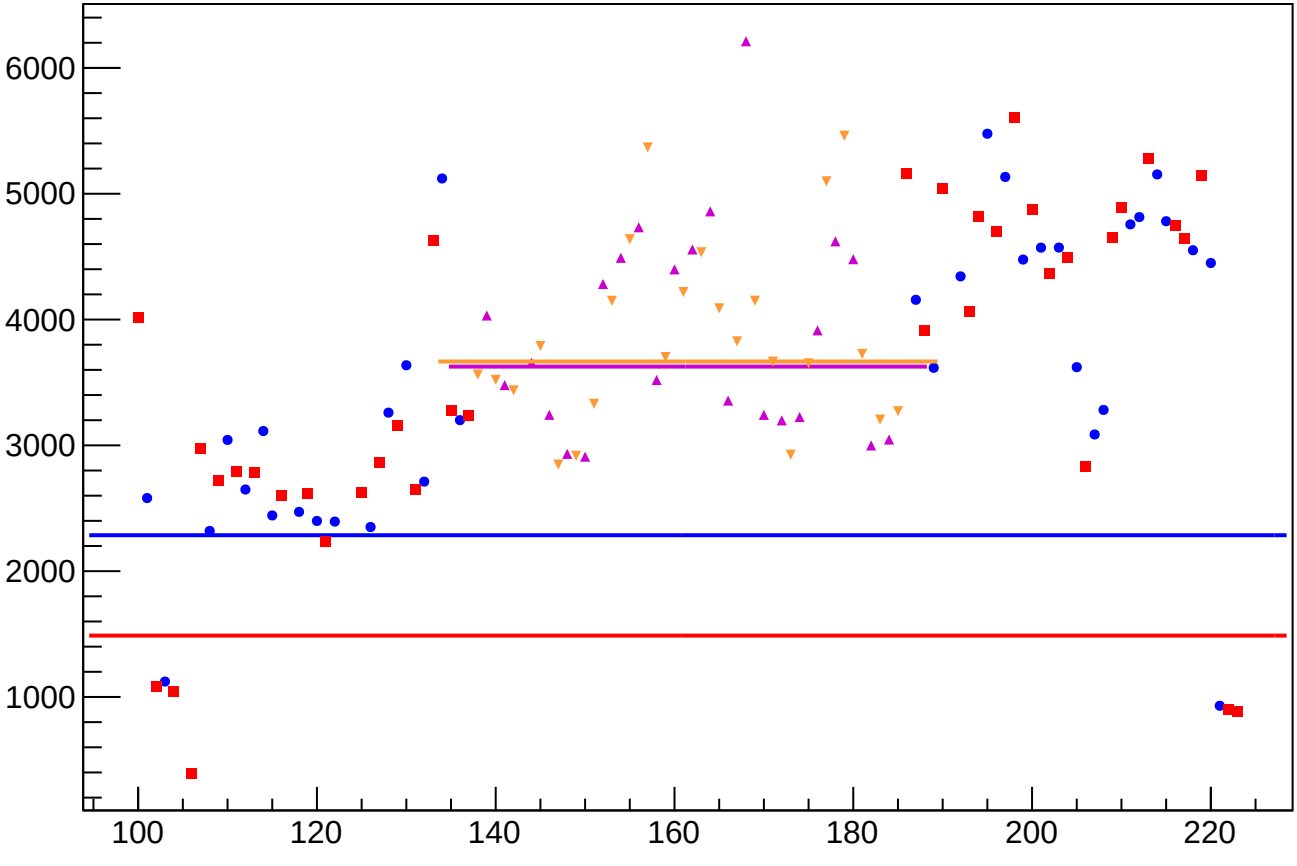
Right: 86.012+/-342.510 χ^2/NDF: 85.1/70

In: 146.977+/-480.813 χ^2/NDF:52.9/56

Out: 93.957+/-381.839 χ^2/NDF:74.9/60

All: 114.463+/-299.017 χ^2/NDF: 127.8/117

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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

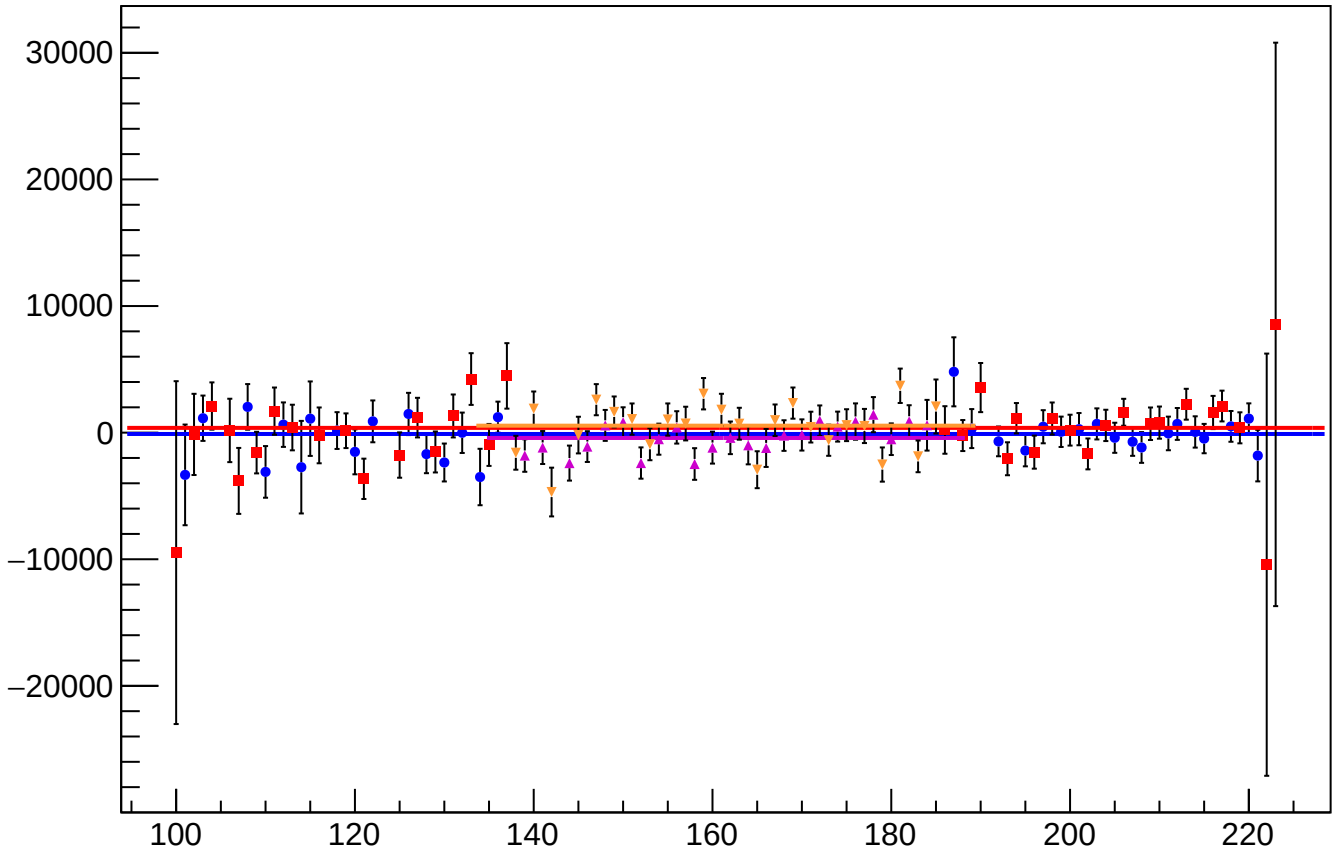
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 1767.591+/-0.242 χ^2/NDF: 34218510.5/70

In: 2700.030+/-0.340 χ^2/NDF:16330471.0/56

Out: 1908.102+/-0.270 χ^2/NDF:31225855.6/60

All: 2214.387+/-0.211 χ^2/NDF: 50883550.1/1



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

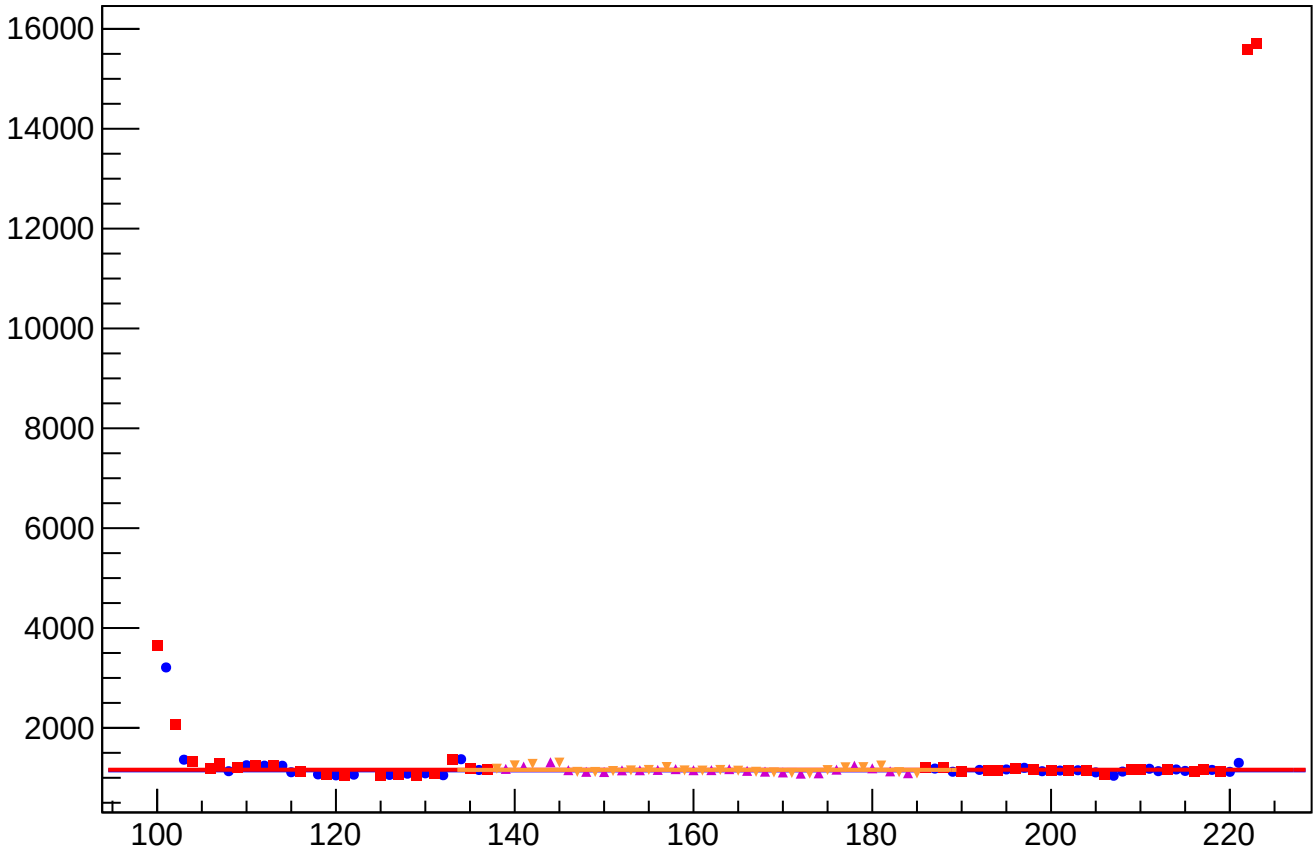
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: 131.022+/-178.409 χ^2/NDF: 67.3/70

In: -251.365+/-183.412 χ^2/NDF:42.1/56

Out: 458.627+/-184.978 χ^2/NDF:87.5/60

All: 100.614+/-130.242 χ^2/NDF: 137.1/117



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

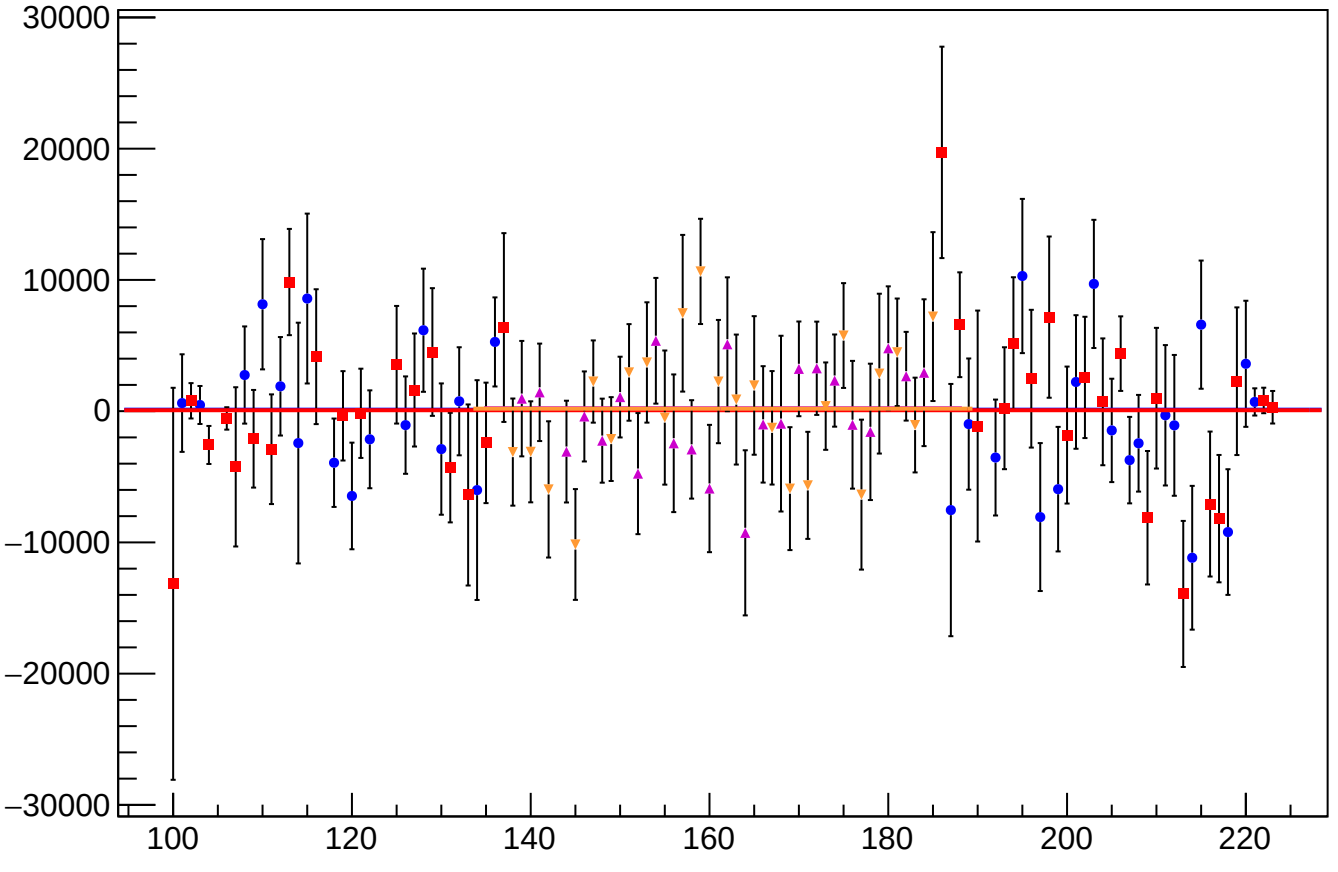
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1155.275+/-0.126 χ^2/NDF: 3393537.3/70

In: 1151.382+/-0.130 χ^2/NDF:745643.9/56

Out: 1160.114+/-0.131 χ^2/NDF:2796479.8/60

All: 1155.711+/-0.092 χ^2/NDF: 3544371.1/11



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

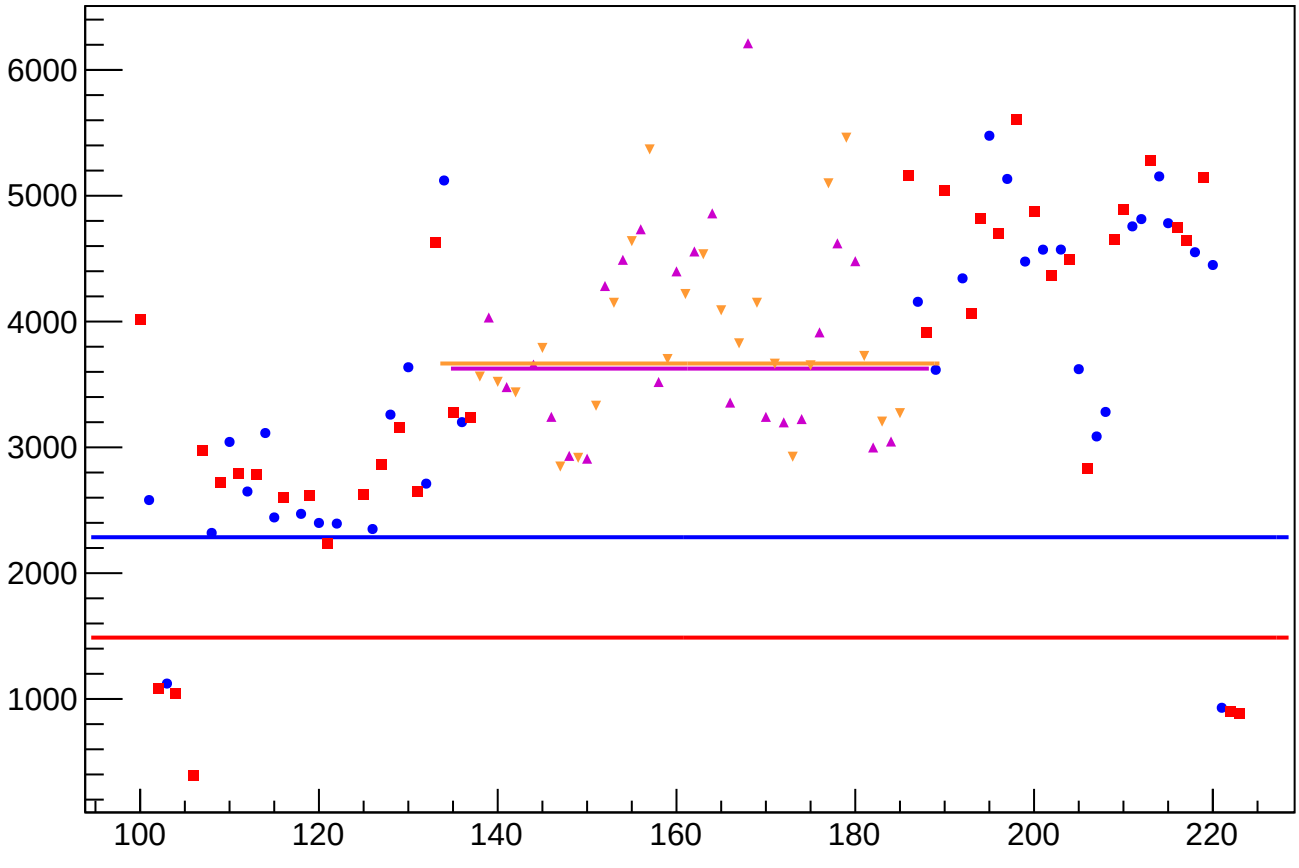
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

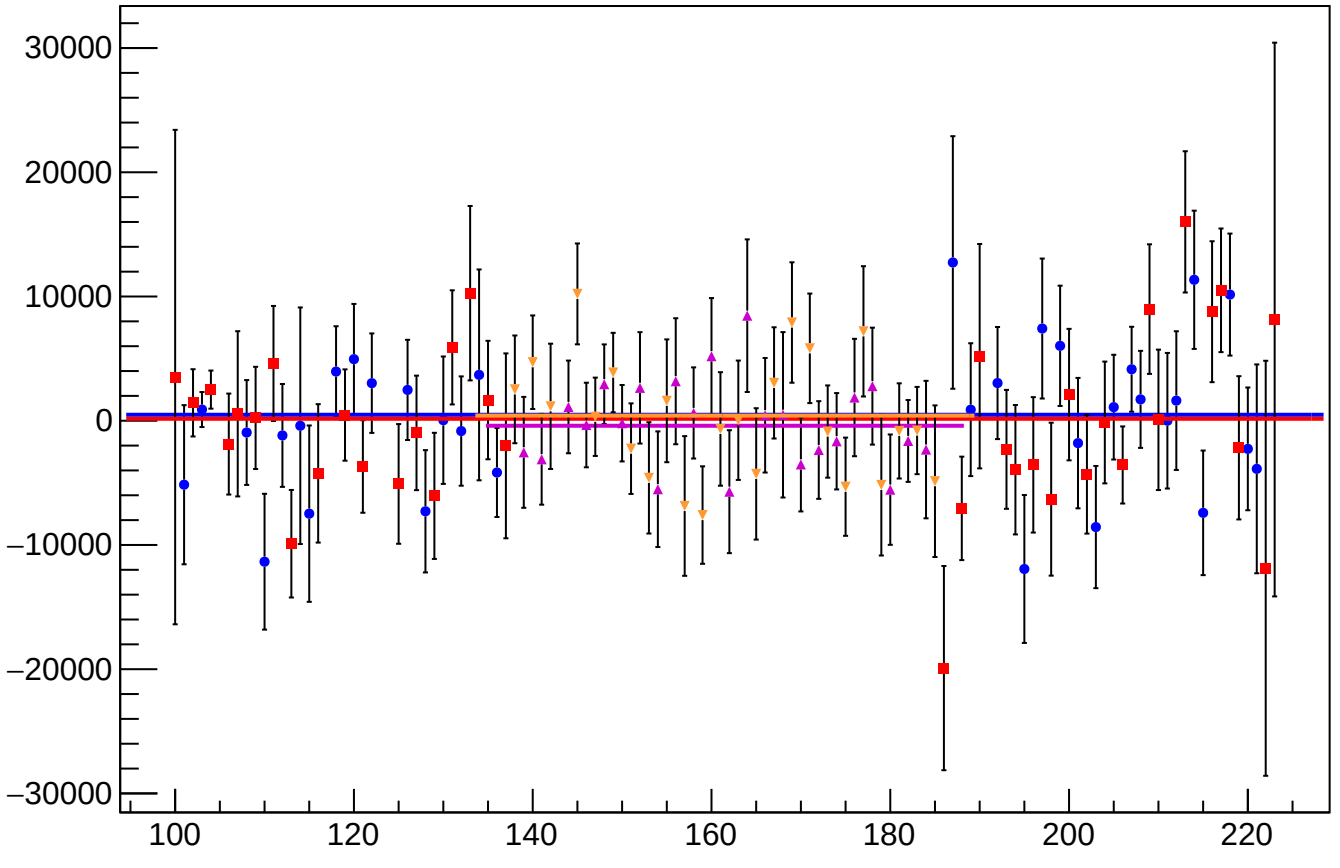
Right: 86.004+/-342.509 χ^2/NDF: 85.1/70

In: 146.975+/-480.813 χ^2/NDF:52.9/56

Out: 93.949+/-381.837 χ^2/NDF:74.9/60

All: 114.457+/-299.016 χ^2/NDF: 127.8/117


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2285.723+/-0.409 χ²/NDF: 11753895.5/33
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1487.864+/-0.301 χ²/NDF: 19994119.3/36
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 1767.577+/-0.242 χ²/NDF: 34218889.8/70
In: 2700.028+/-0.340 χ²/NDF:16330550.6/56
Out: 1908.084+/-0.270 χ²/NDF:31226306.5/60
All: 2214.373+/-0.211 χ²/NDF: 50884225.4/1



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

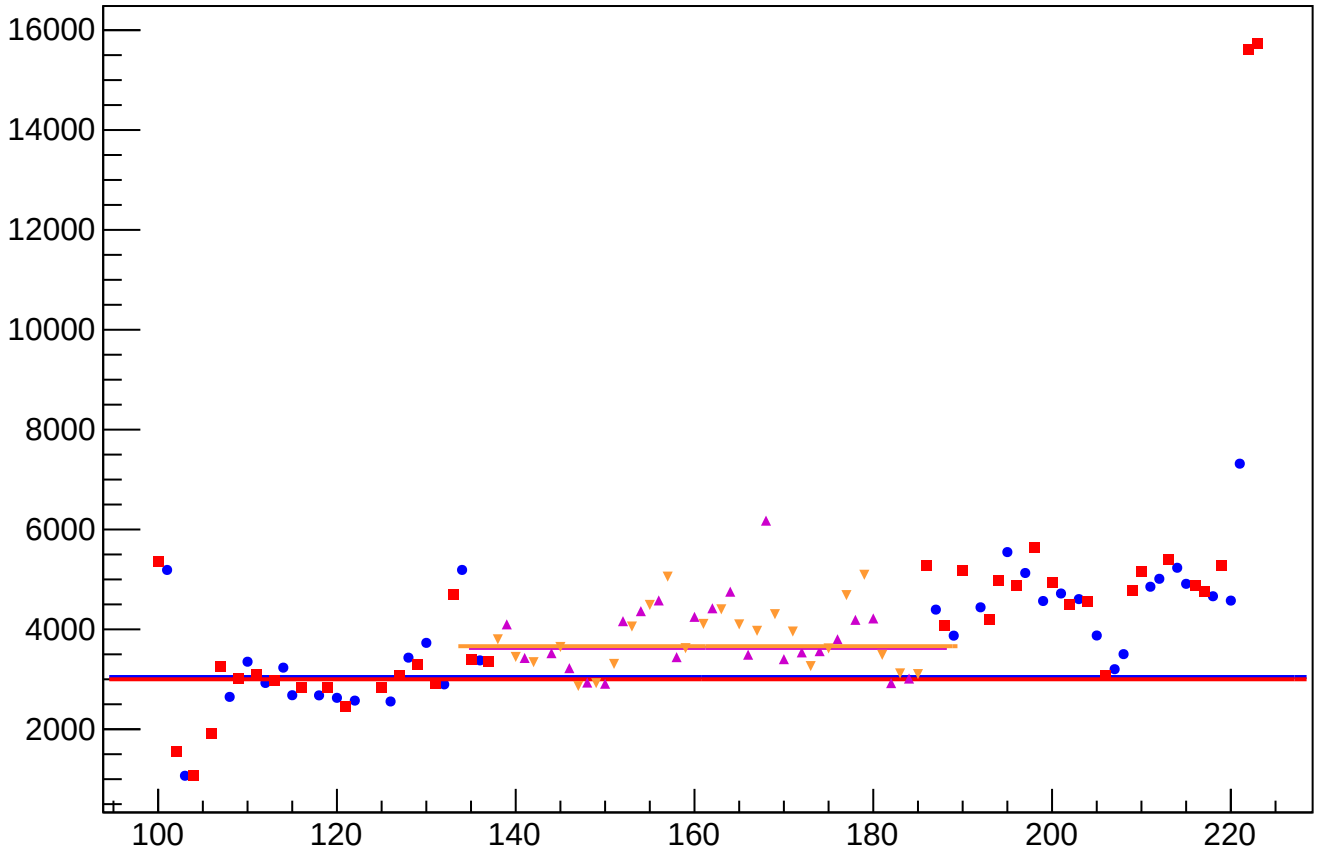
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 318.806+/-513.307 χ^2/NDF: 88.5/70

In: 113.763+/-555.601 χ^2/NDF:51.6/56

Out: 263.030+/-555.920 χ^2/NDF:76.9/60

All: 188.354+/-392.982 χ^2/NDF: 128.5/117



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

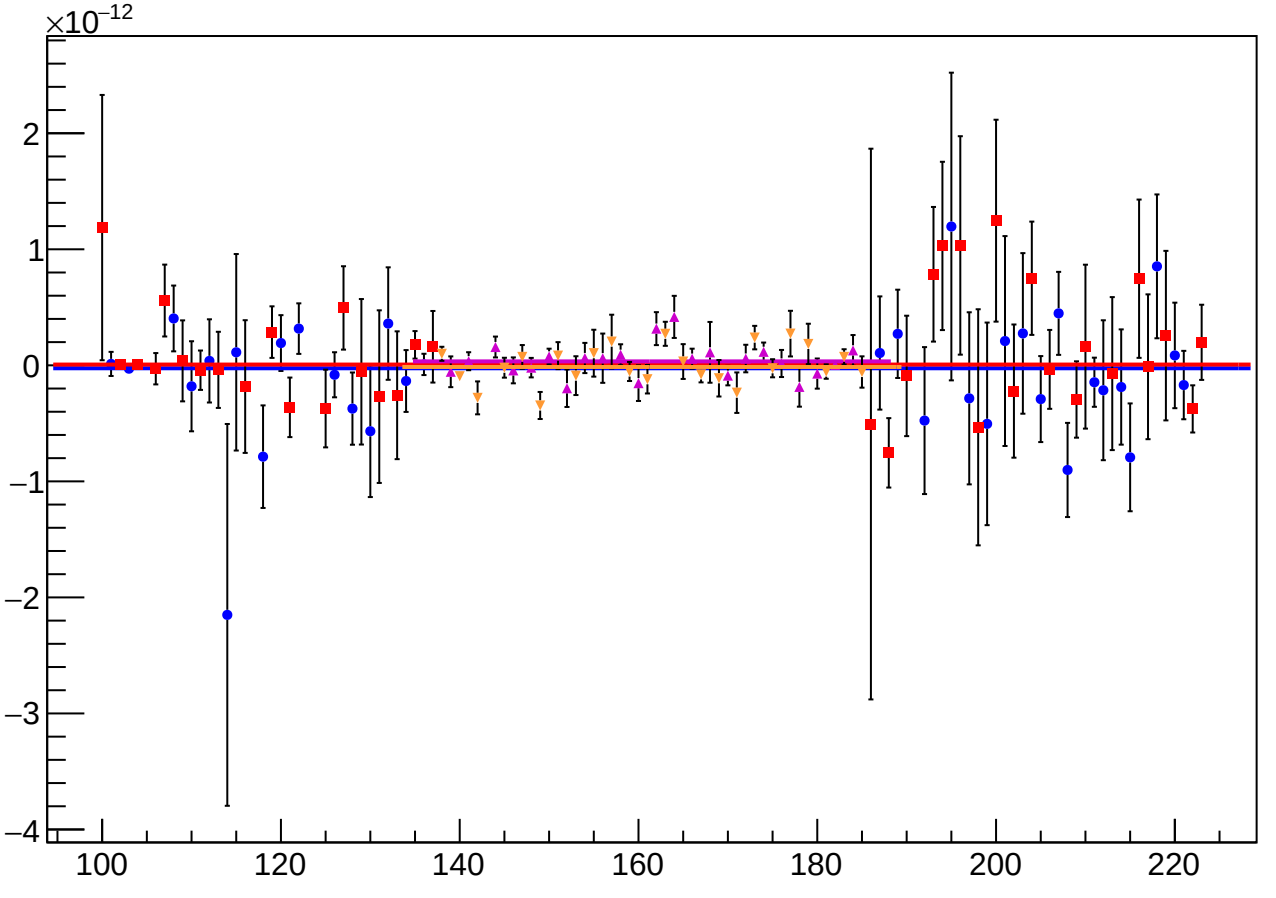
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 3022.961+/-0.363 χ^2/NDF: 17708302.3/70

In: 3287.755+/-0.393 χ^2/NDF:9670872.9/56

Out: 3273.305+/-0.393 χ^2/NDF:11206422.8/60

All: 3280.527+/-0.278 χ^2/NDF: 20877972.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.4/36

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

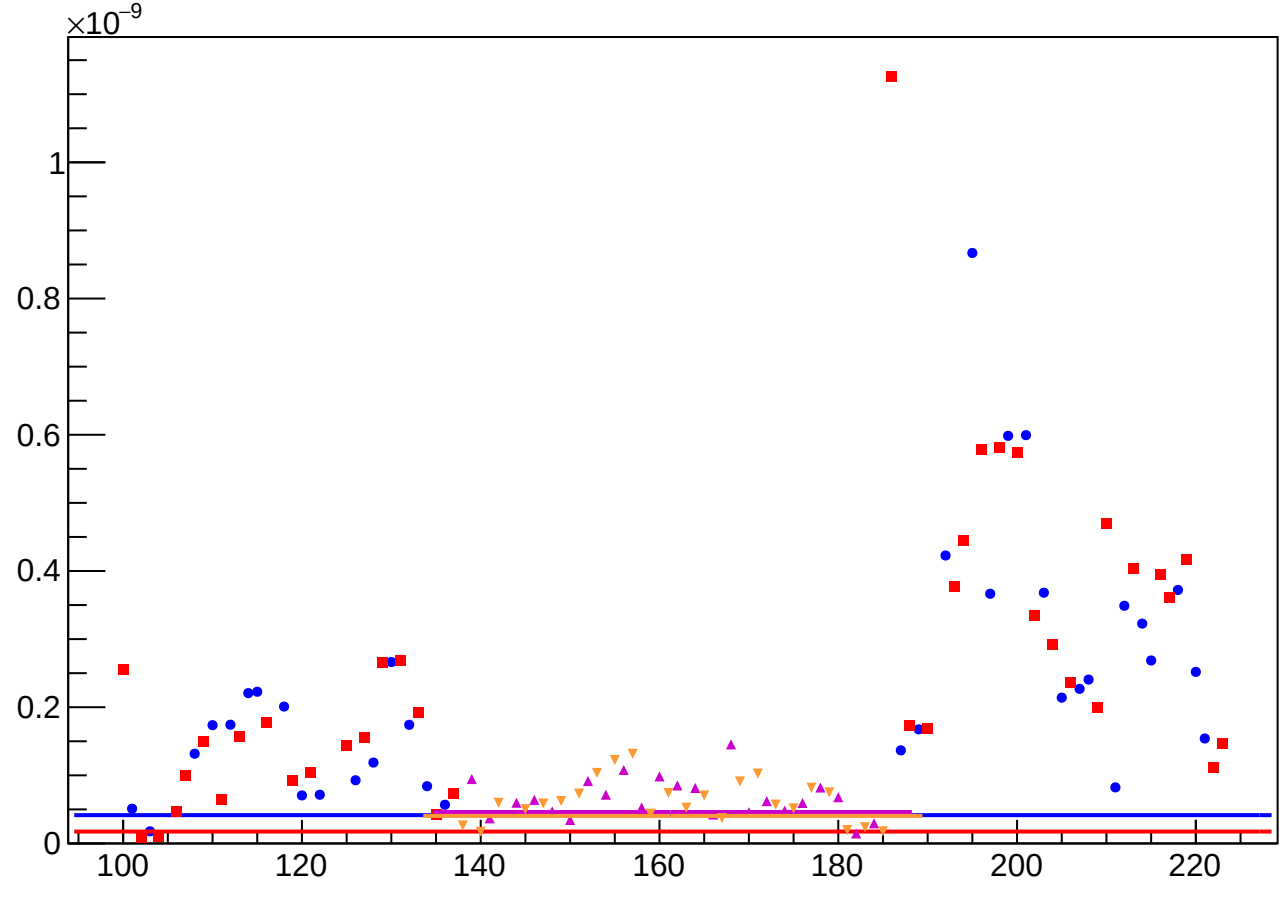
Right: -0.000+/-0.000 χ^2/NDF: 66.6/70

In: 0.000+/-0.000 χ^2/NDF:55.3/56

Out: -0.000+/-0.000 χ^2/NDF:82.5/60

All: 0.000+/-0.000 χ^2/NDF: 138.1/117

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

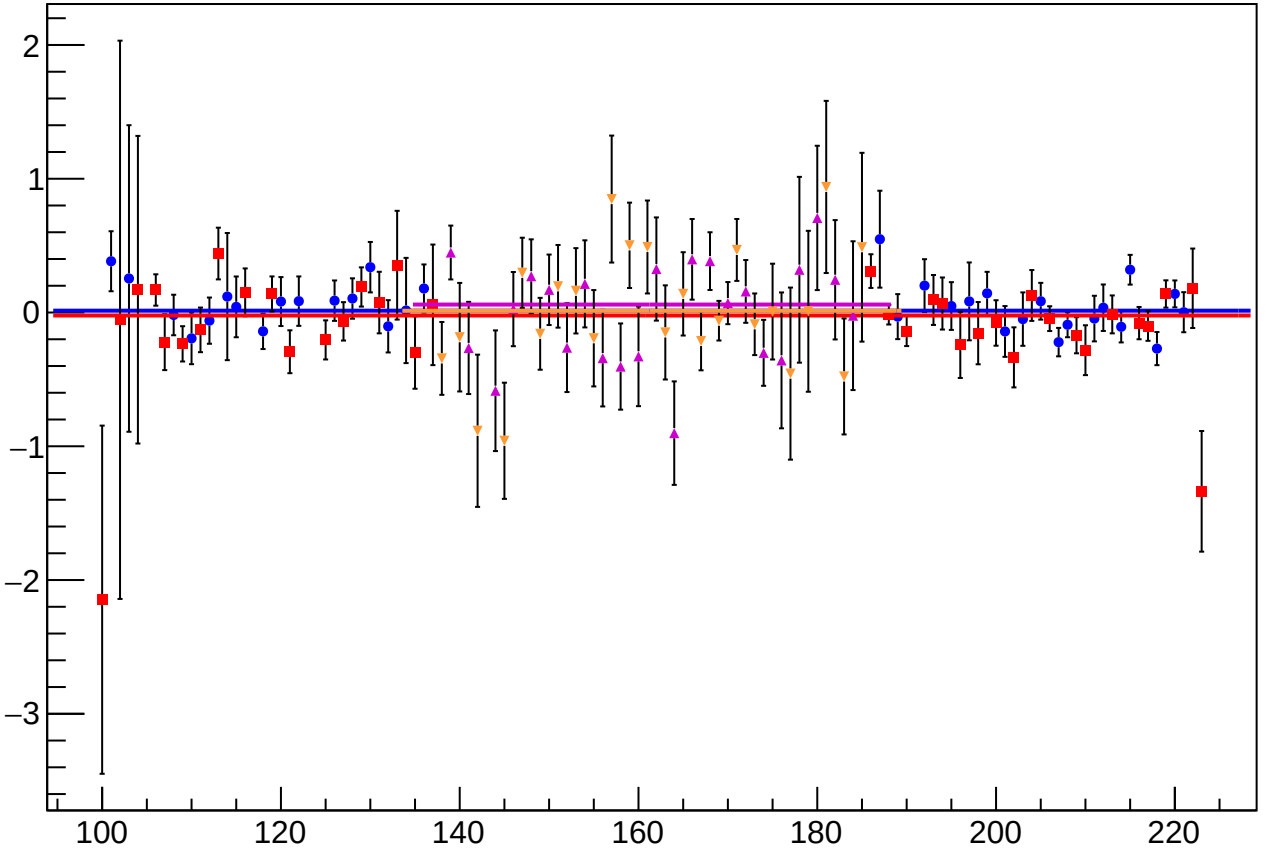
Right: 0.000+/-0.000 χ^2/NDF: 28745179.8/70

In: 0.000+/-0.000 χ^2/NDF:14997924.2/56

Out: 0.000+/-0.000 χ^2/NDF:20646407.2/60

All: 0.000+/-0.000 χ^2/NDF: 37363957.1/117

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.027 χ^2/NDF: 37.3/33

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.022+/-0.025 χ^2/NDF: 54.0/36

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

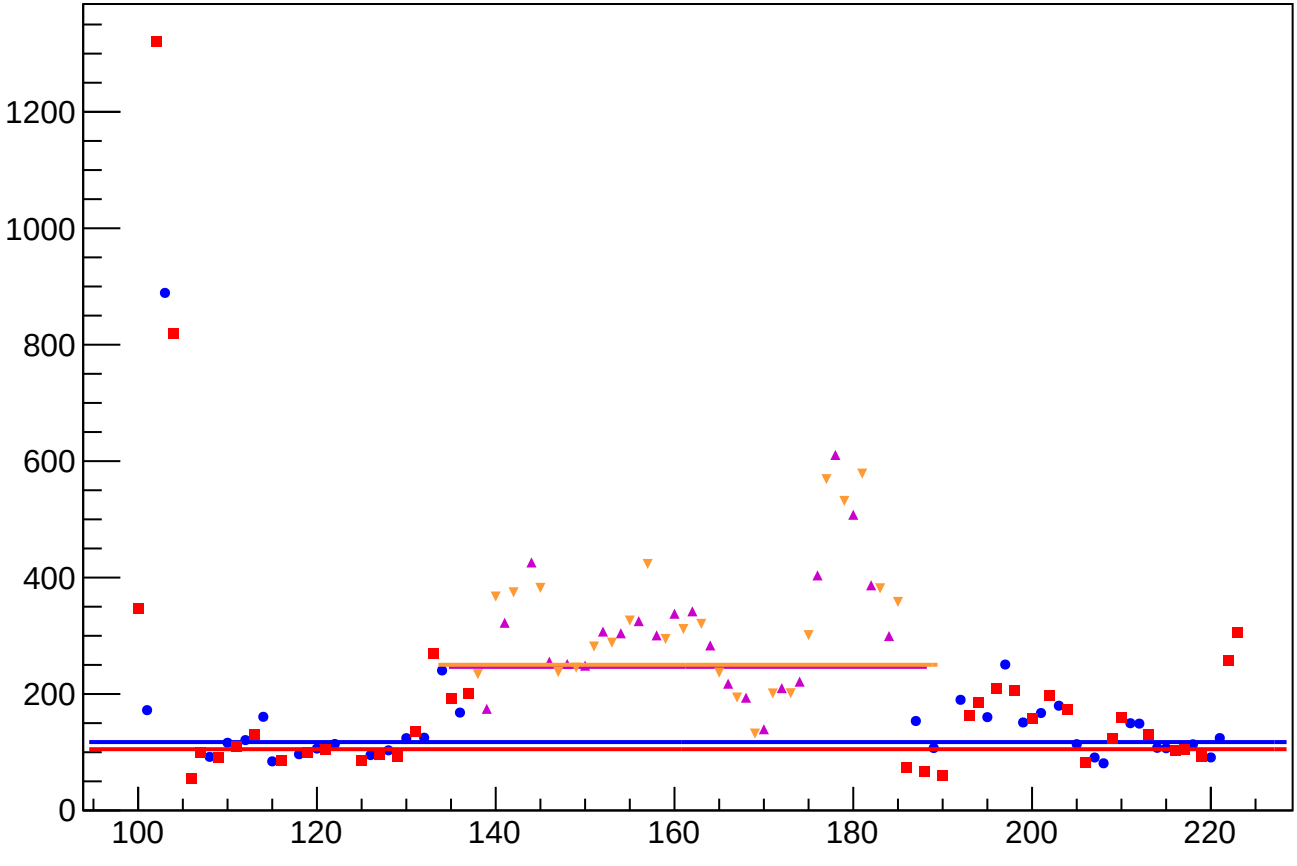
Right: -0.006+/-0.019 χ^2/NDF: 92.2/70

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.017+/-0.024 χ^2/NDF:83.6/60

All: 0.001+/-0.017 χ^2/NDF: 150.5/117

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

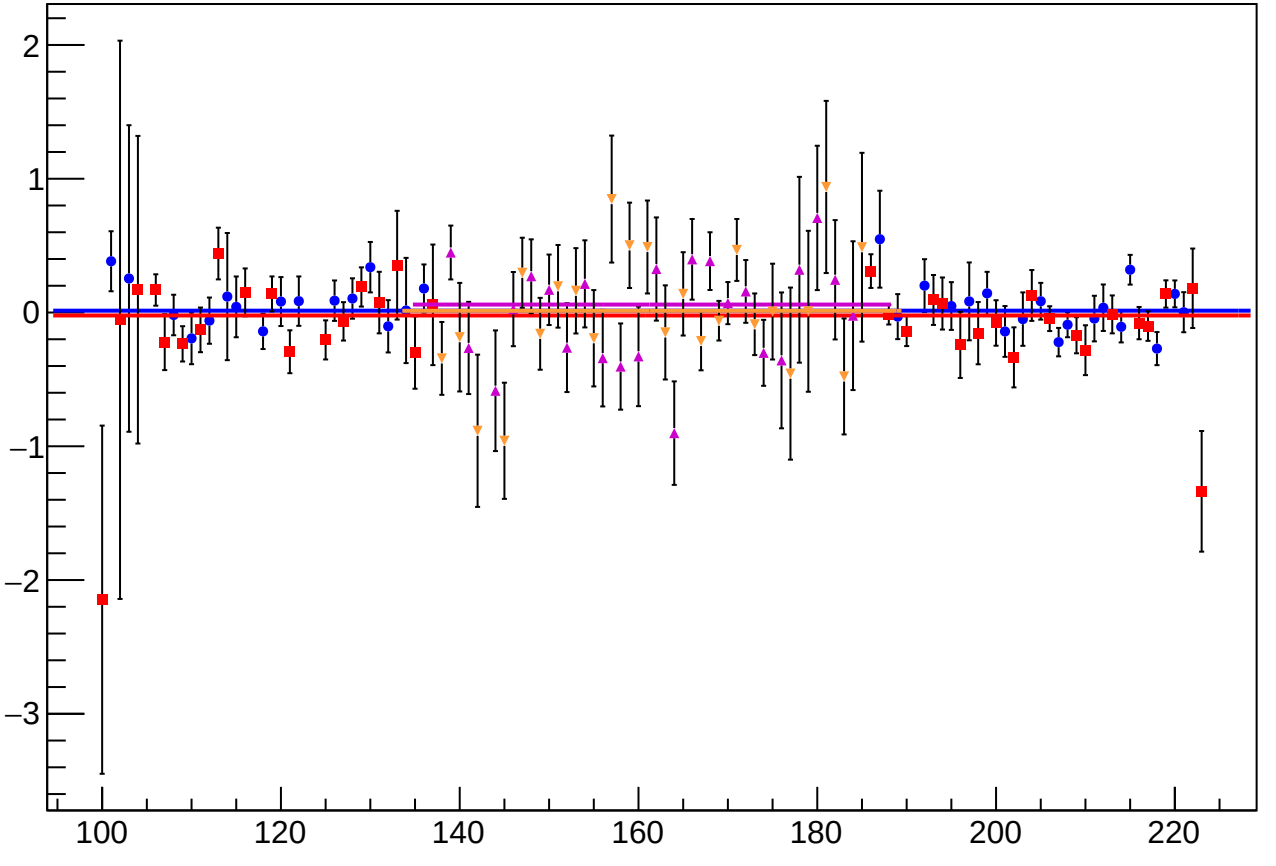
Right: 110.892+/-0.013 χ^2/NDF: 10910224.2/70

In: 138.537+/-0.018 χ^2/NDF:14653190.6/56

Out: 125.566+/-0.017 χ^2/NDF:20540471.1/60

All: 131.665+/-0.012 χ^2/NDF: 35477769.9/1

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.027 χ^2/NDF: 37.3/33

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.022+/-0.025 χ^2/NDF: 54.0/36

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

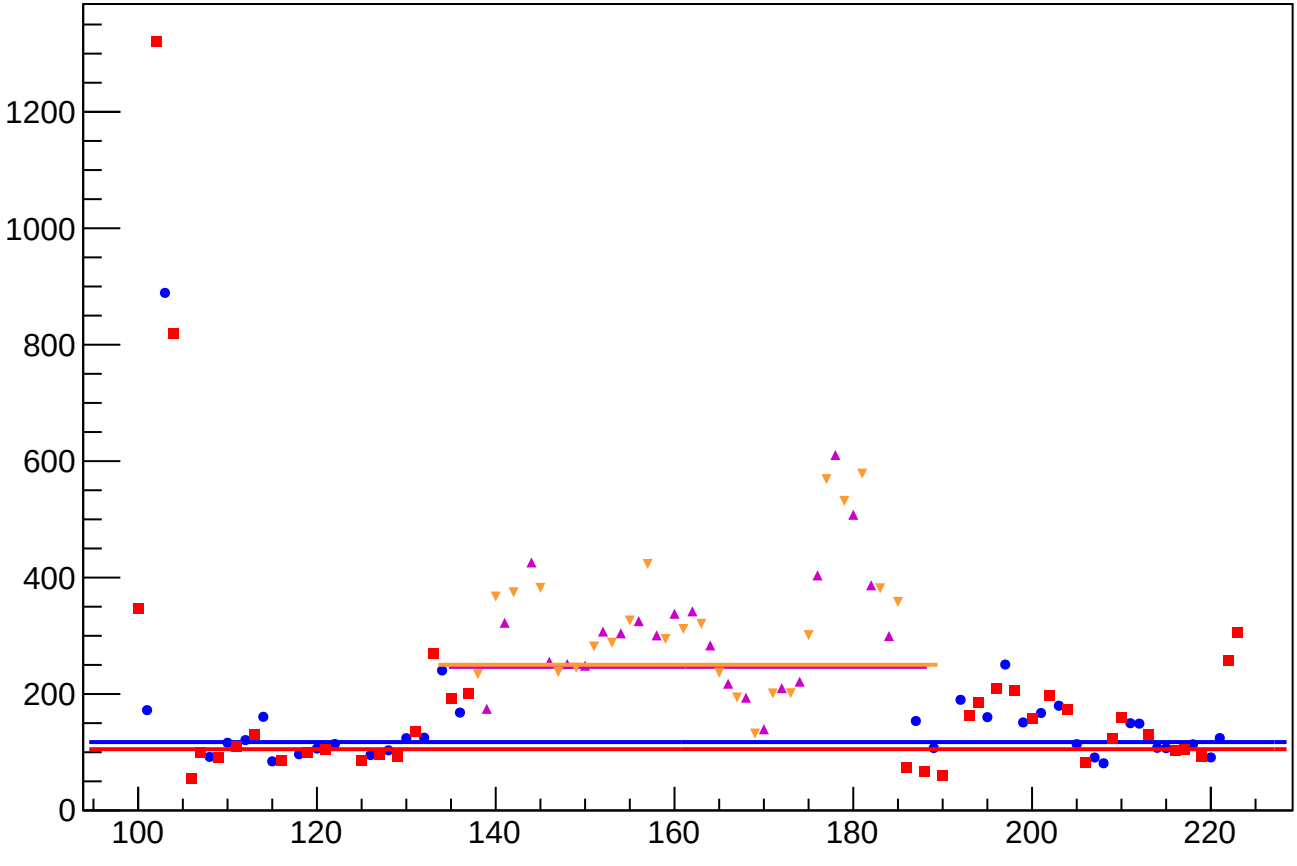
Right: -0.006+/-0.019 χ^2/NDF: 92.2/70

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.017+/-0.024 χ^2/NDF:83.6/60

All: 0.001+/-0.017 χ^2/NDF: 150.5/117

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

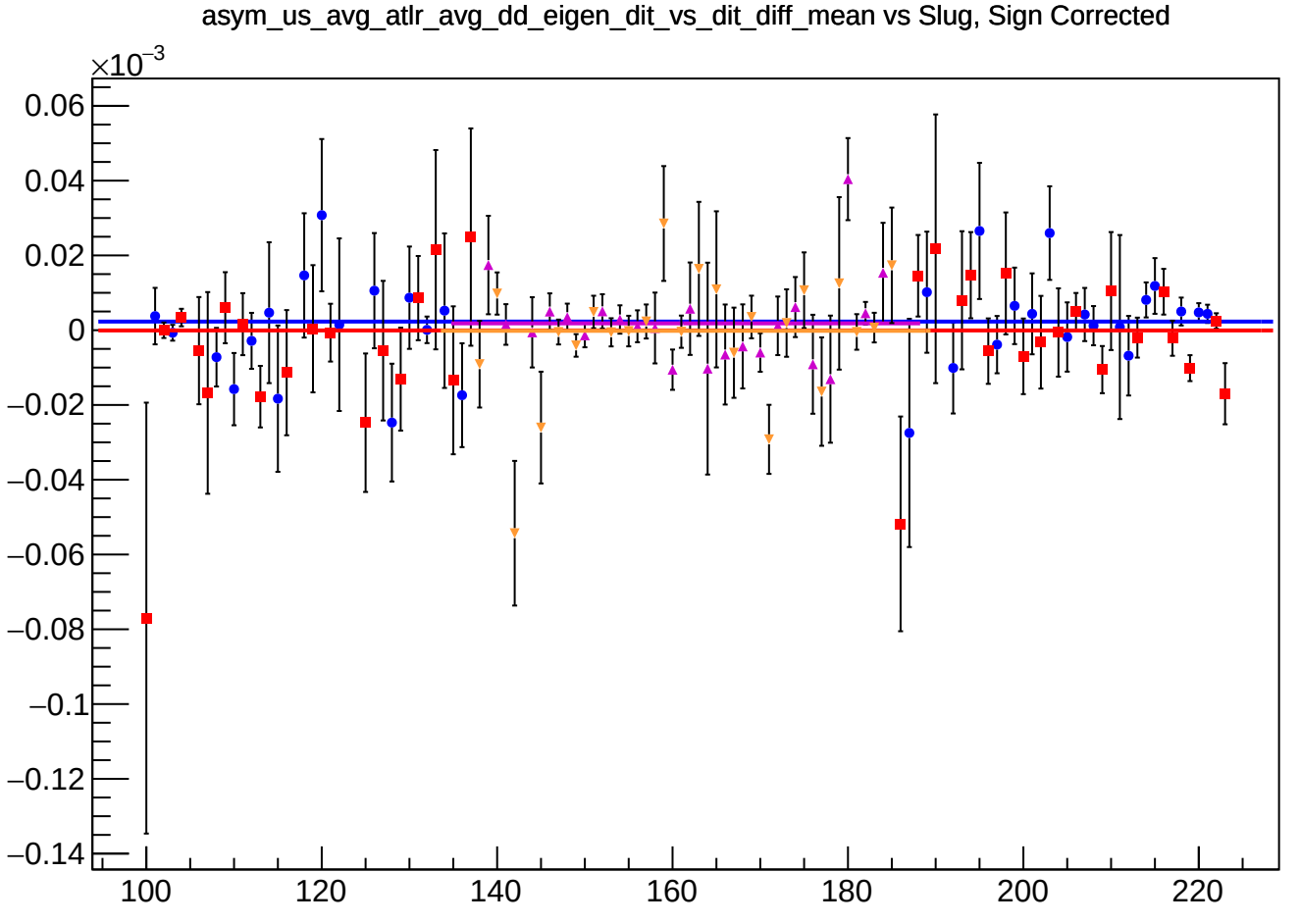
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 110.892+/-0.013 χ^2/NDF: 10910224.2/70

In: 138.537+/-0.018 χ^2/NDF:14653190.6/56

Out: 125.566+/-0.017 χ^2/NDF:20540471.1/60

All: 131.665+/-0.012 χ^2/NDF: 35477769.9/1



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

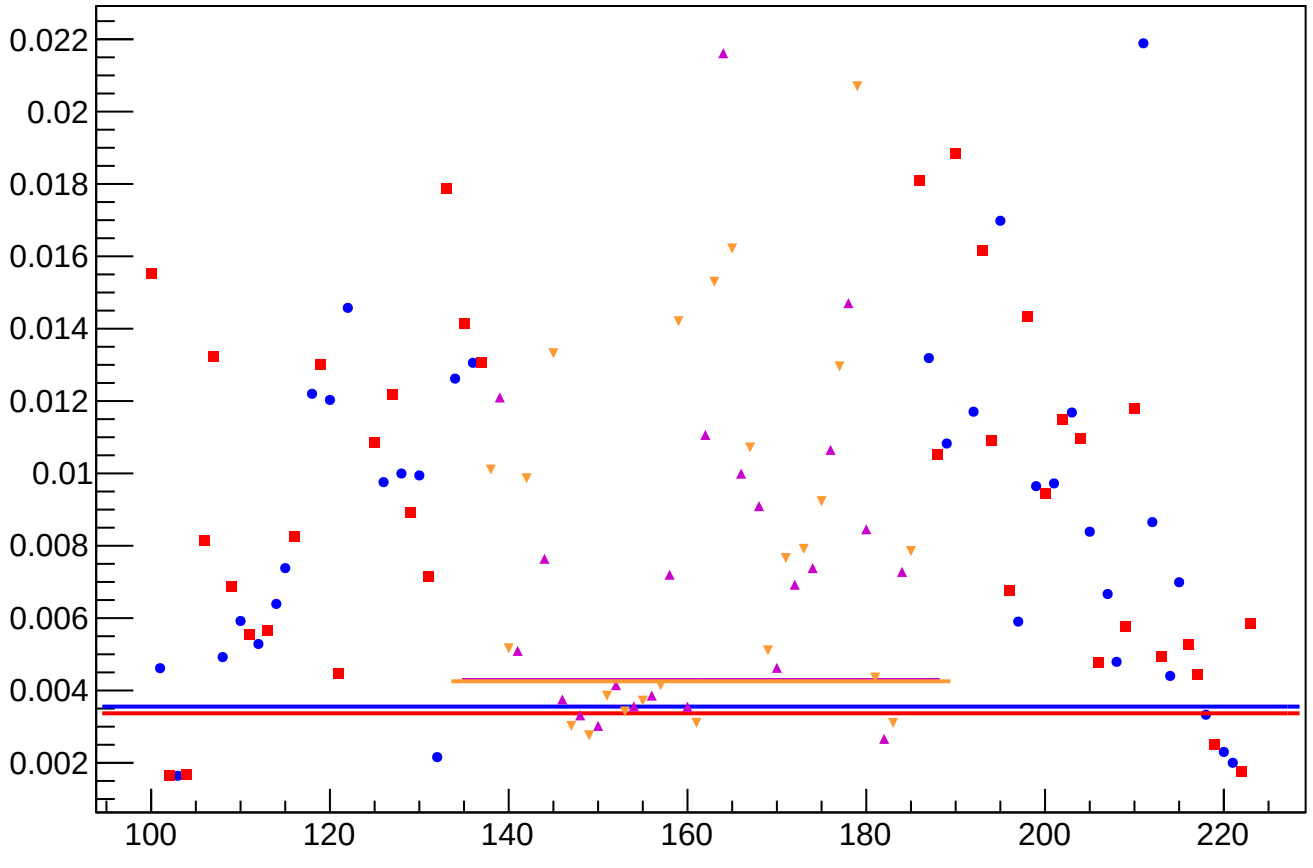
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: 0.000+/-0.000 χ^2/NDF: 80.7/70

In: 0.000+/-0.000 χ^2/NDF:60.1/56

Out: -0.000+/-0.000 χ^2/NDF:83.1/60

All: 0.000+/-0.000 χ^2/NDF: 147.6/117



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

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

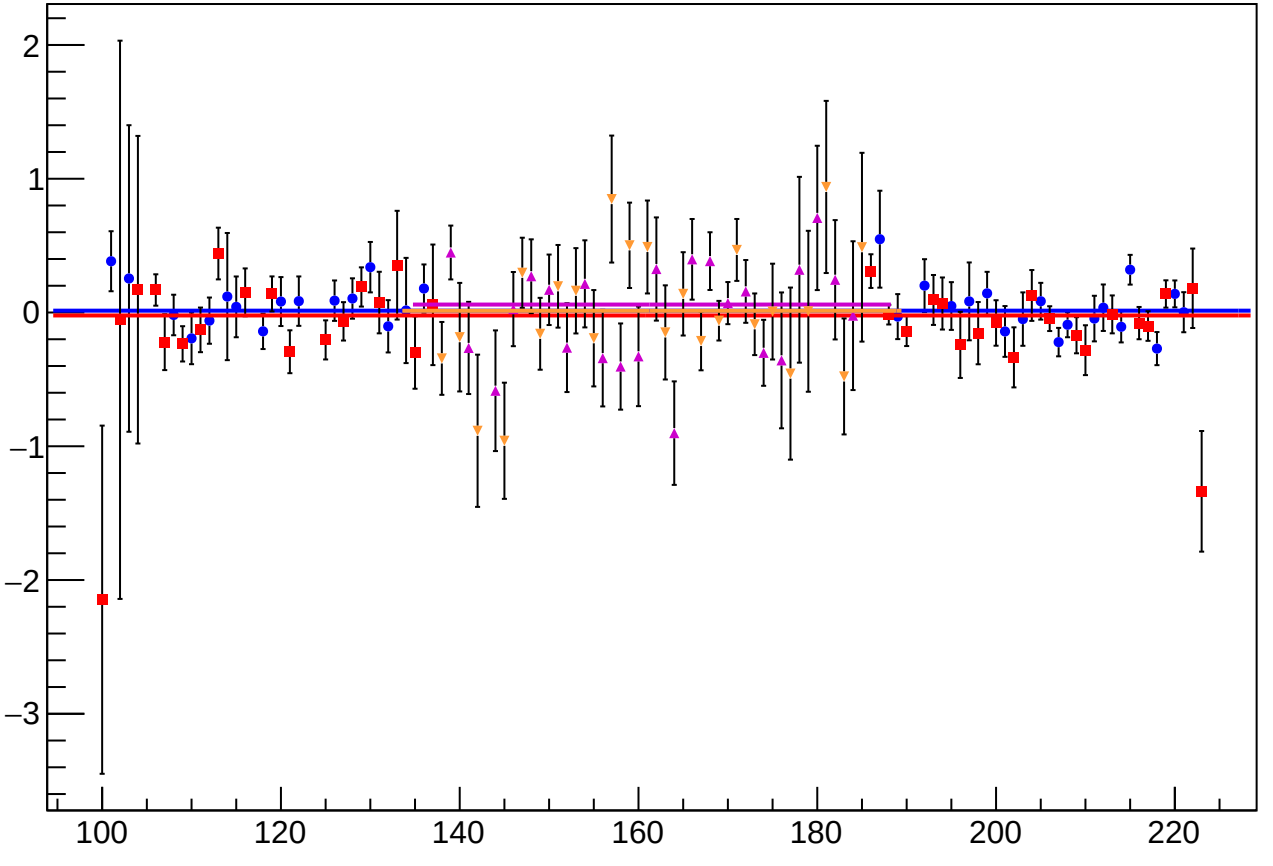
Right: 0.003+/-0.000 χ^2/NDF: 32922230.9/70

In: 0.004+/-0.000 χ^2/NDF:22598888.4/56

Out: 0.004+/-0.000 χ^2/NDF:26510630.6/60

All: 0.004+/-0.000 χ^2/NDF: 49141080.3/117

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.027 χ^2/NDF: 37.3/33

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.022+/-0.025 χ^2/NDF: 54.0/36

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

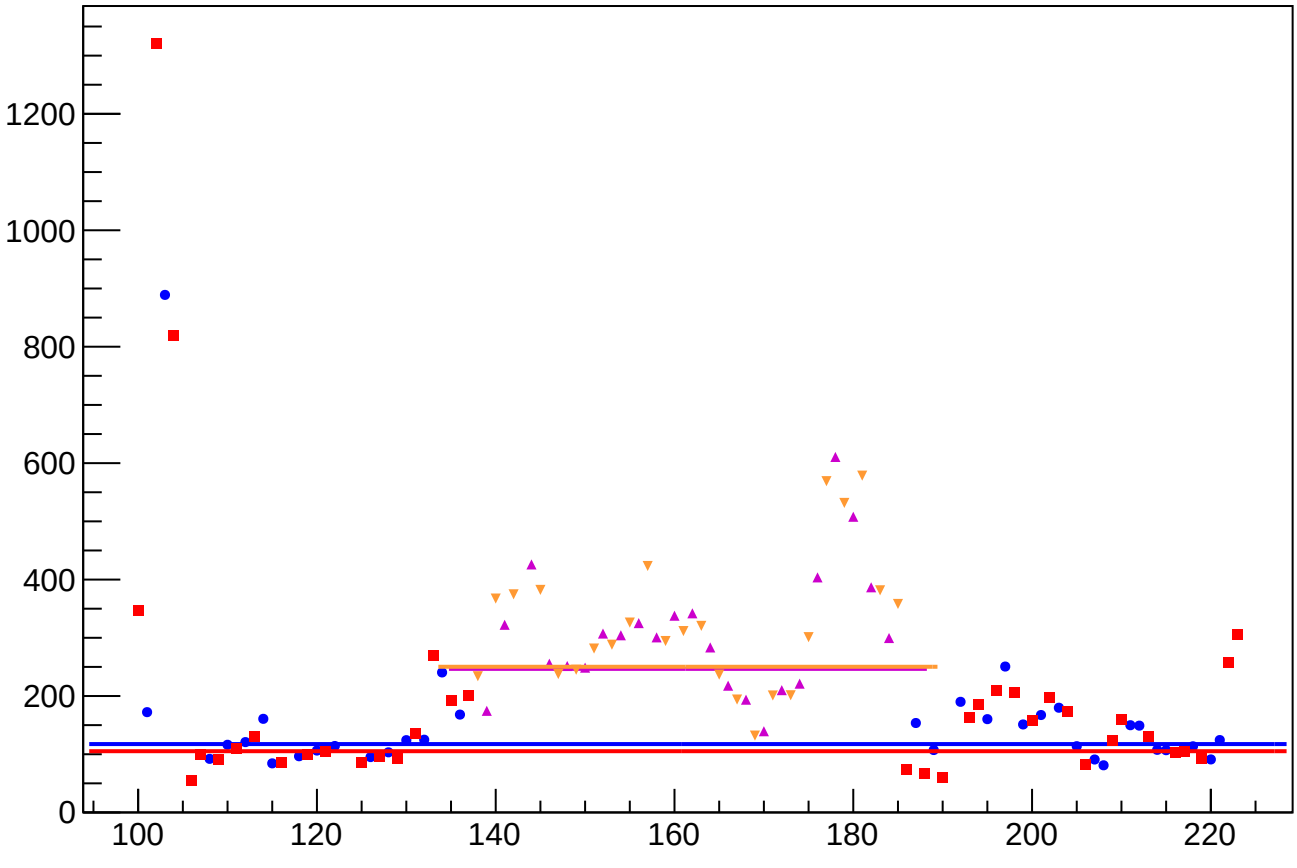
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.006+/-0.019 χ^2/NDF: 92.2/70

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.017+/-0.024 χ^2/NDF:83.6/60

All: 0.001+/-0.017 χ^2/NDF: 150.5/117



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

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

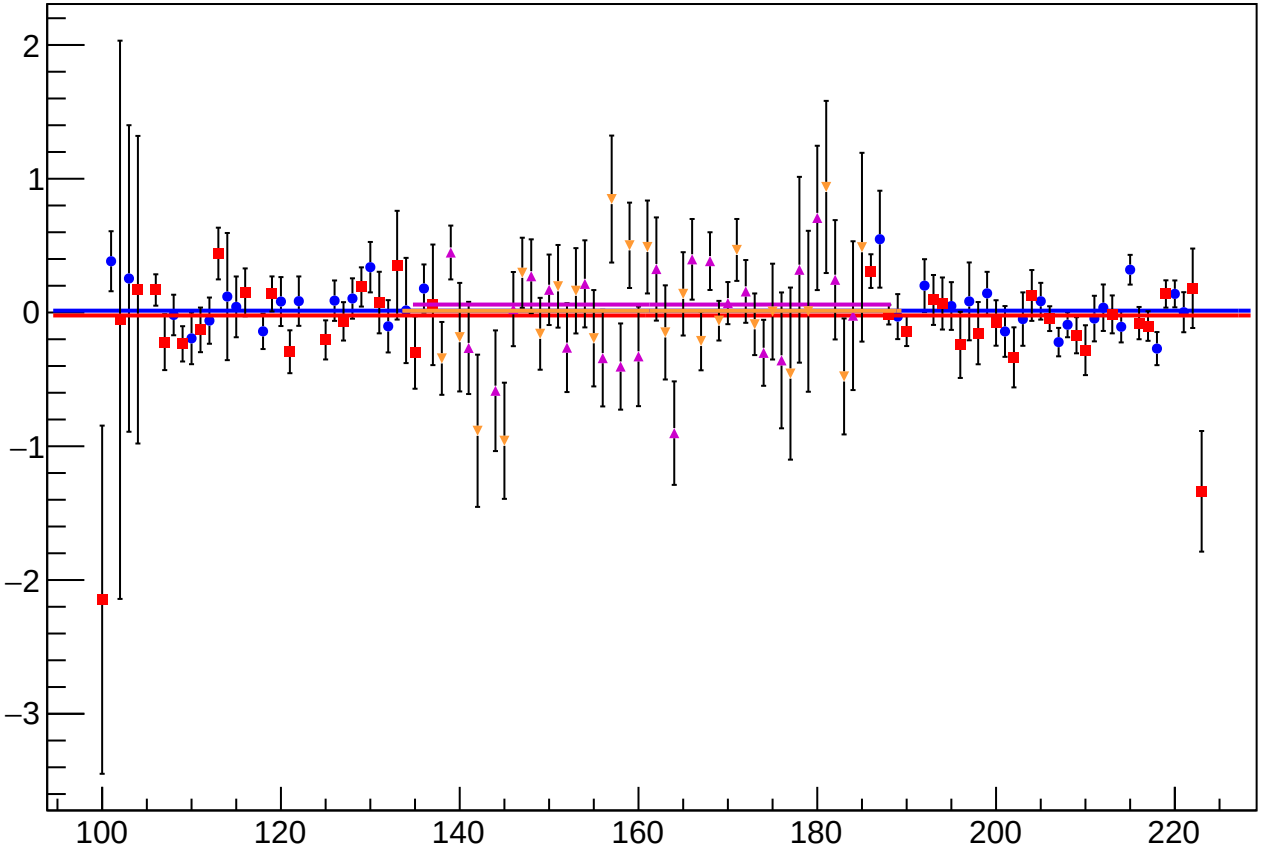
Right: 110.890+/-0.013 χ^2/NDF: 10911004.0/70

In: 138.536+/-0.018 χ^2/NDF:14653577.7/56

Out: 125.562+/-0.017 χ^2/NDF:20541720.5/60

All: 131.662+/-0.012 χ^2/NDF: 35479532.9/1

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.027 χ^2/NDF: 37.3/33

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.022+/-0.025 χ^2/NDF: 54.0/36

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

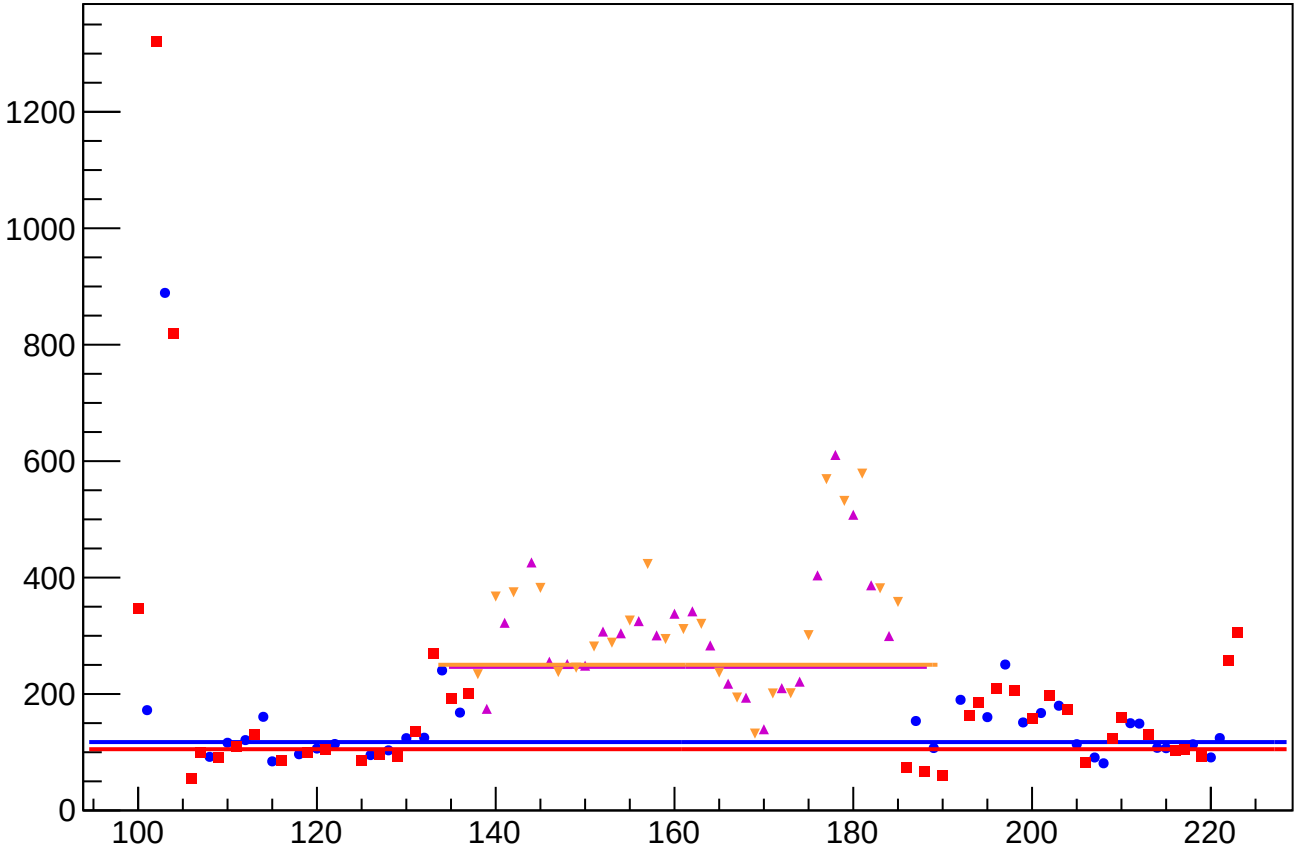
Right: -0.006+/-0.019 χ^2/NDF: 92.2/70

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.017+/-0.024 χ^2/NDF:83.6/60

All: 0.001+/-0.017 χ^2/NDF: 150.5/117

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

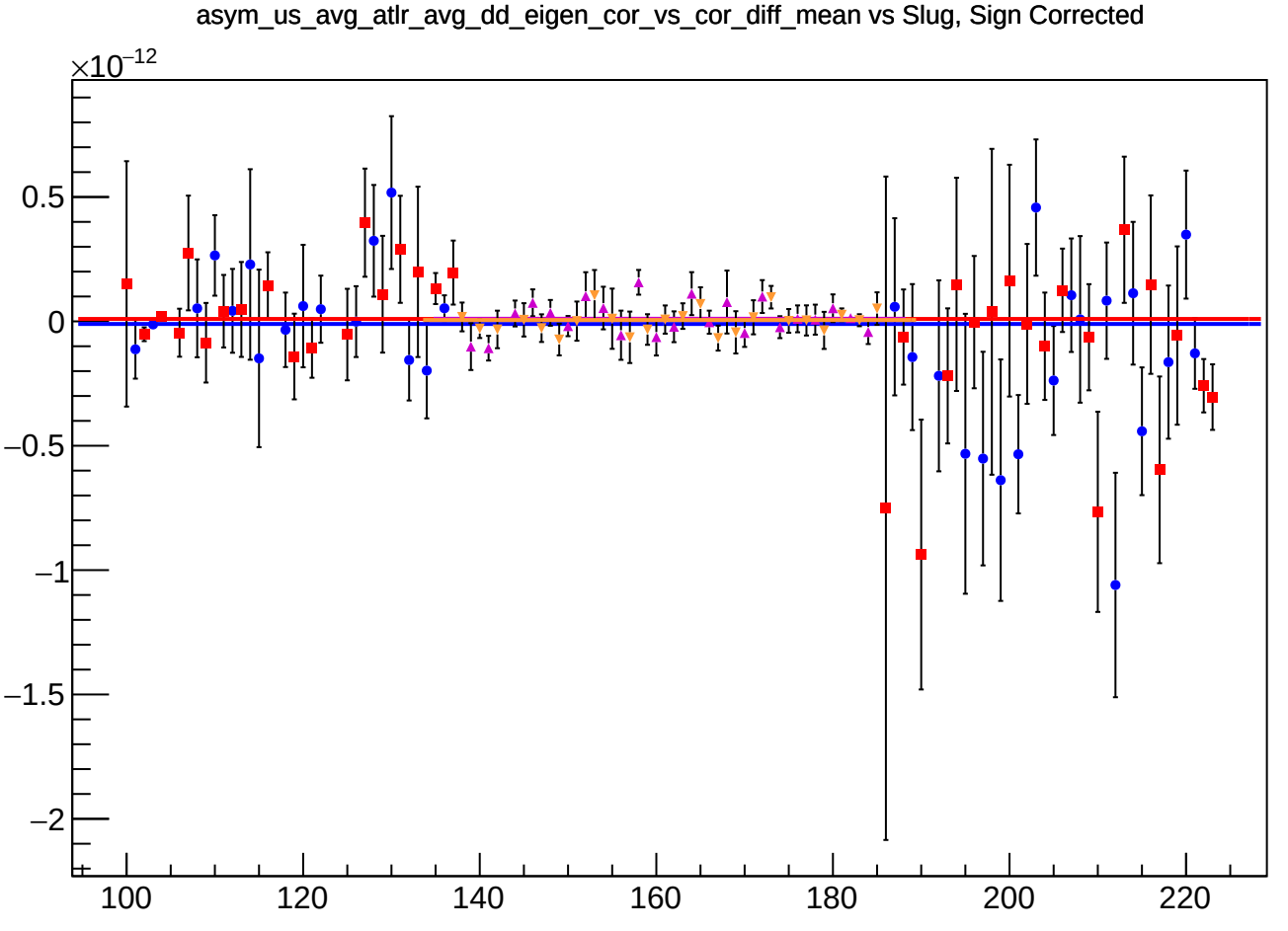
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 110.890+/-0.013 χ^2/NDF: 10911004.0/70

In: 138.536+/-0.018 χ^2/NDF:14653577.7/56

Out: 125.562+/-0.017 χ^2/NDF:20541720.5/60

All: 131.662+/-0.012 χ^2/NDF: 35479532.9/1



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

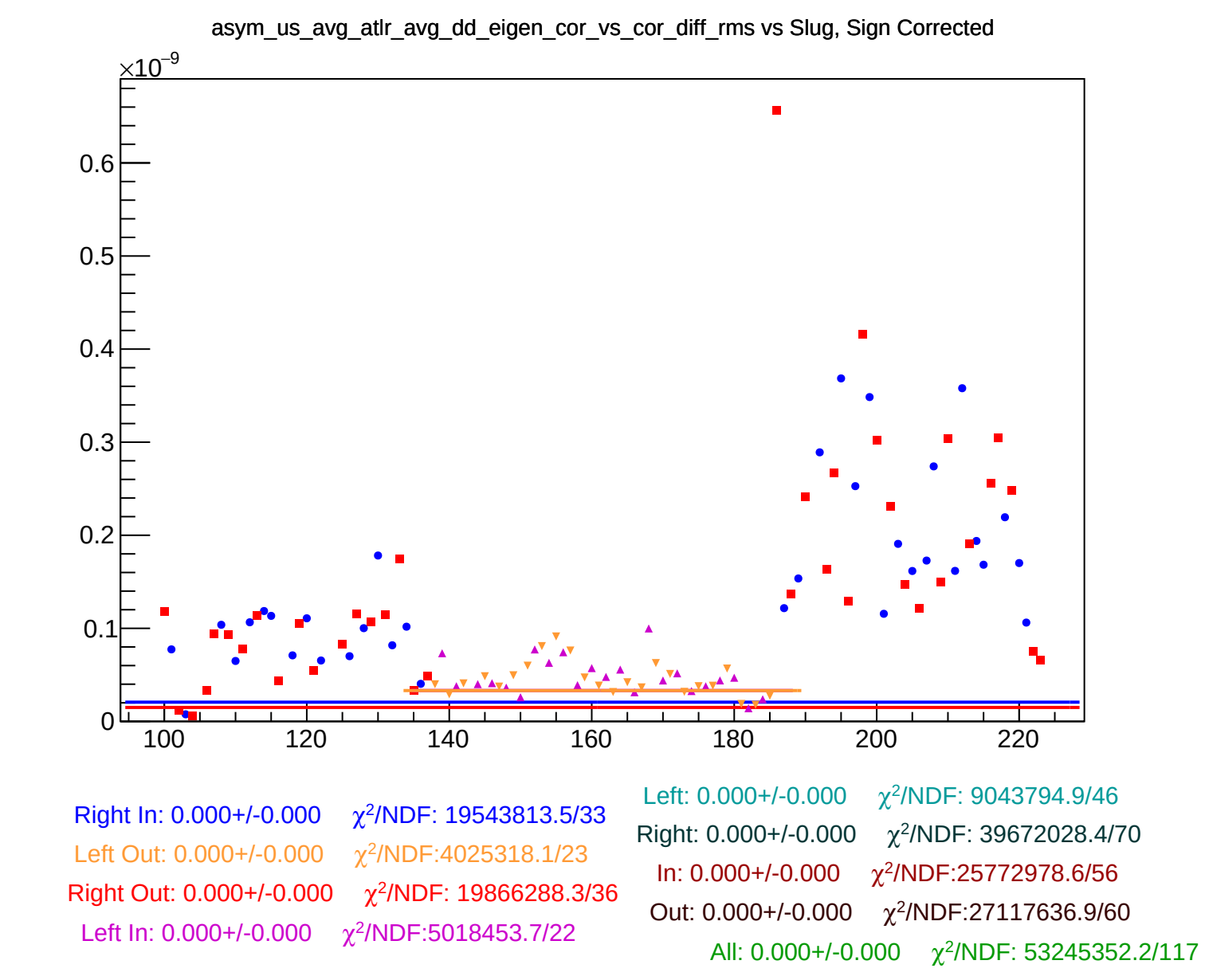
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

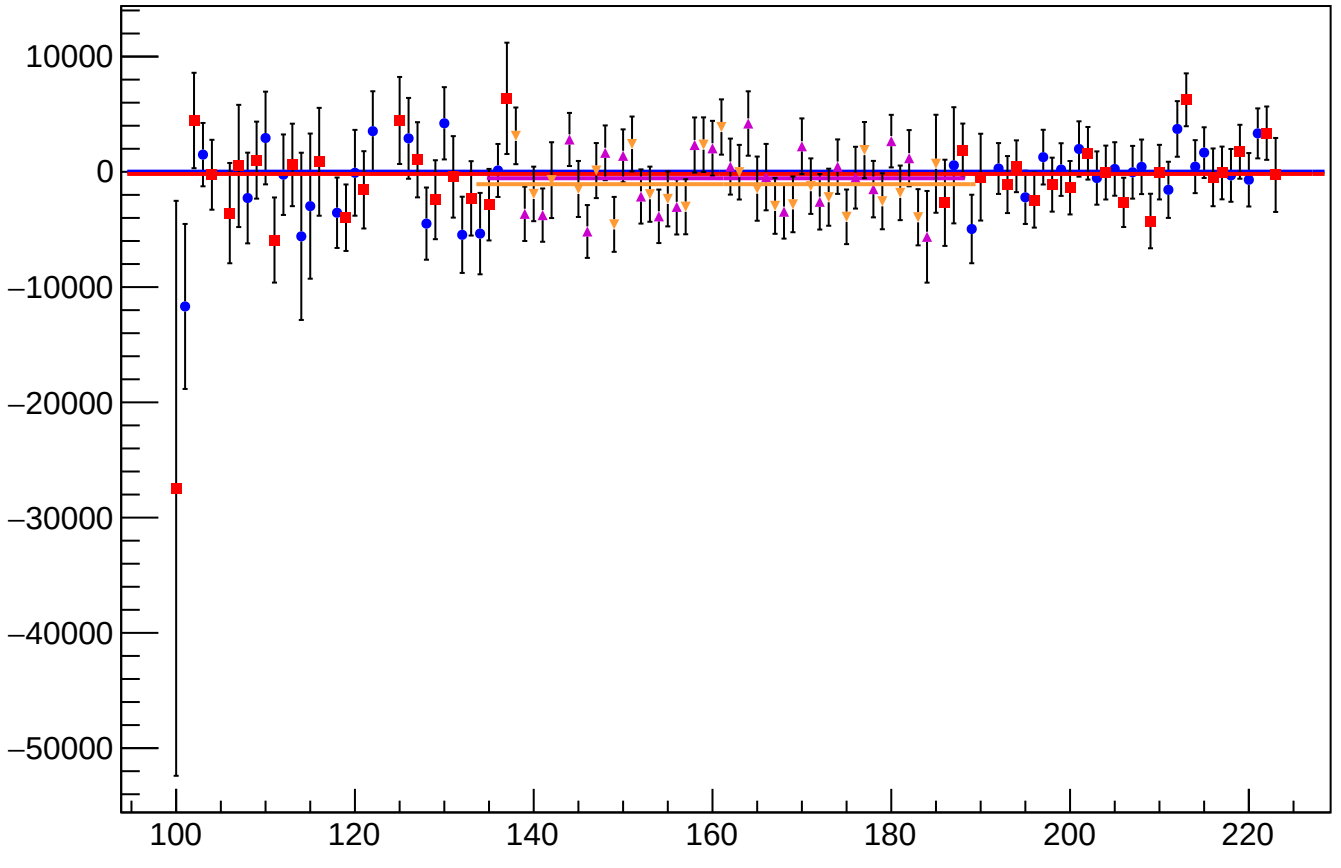
Right: 0.000+/-0.000 χ^2/NDF: 87.4/70

In: 0.000+/-0.000 χ^2/NDF:67.9/56

Out: 0.000+/-0.000 χ^2/NDF:61.3/60

All: 0.000+/-0.000 χ^2/NDF: 129.6/117


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 19543813.5/33
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 19866288.3/36
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 39672028.4/70
In: 0.000+/-0.000 χ²/NDF:25772978.6/56
Out: 0.000+/-0.000 χ²/NDF:27117636.9/60
All: 0.000+/-0.000 χ²/NDF: 53245352.2/117



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

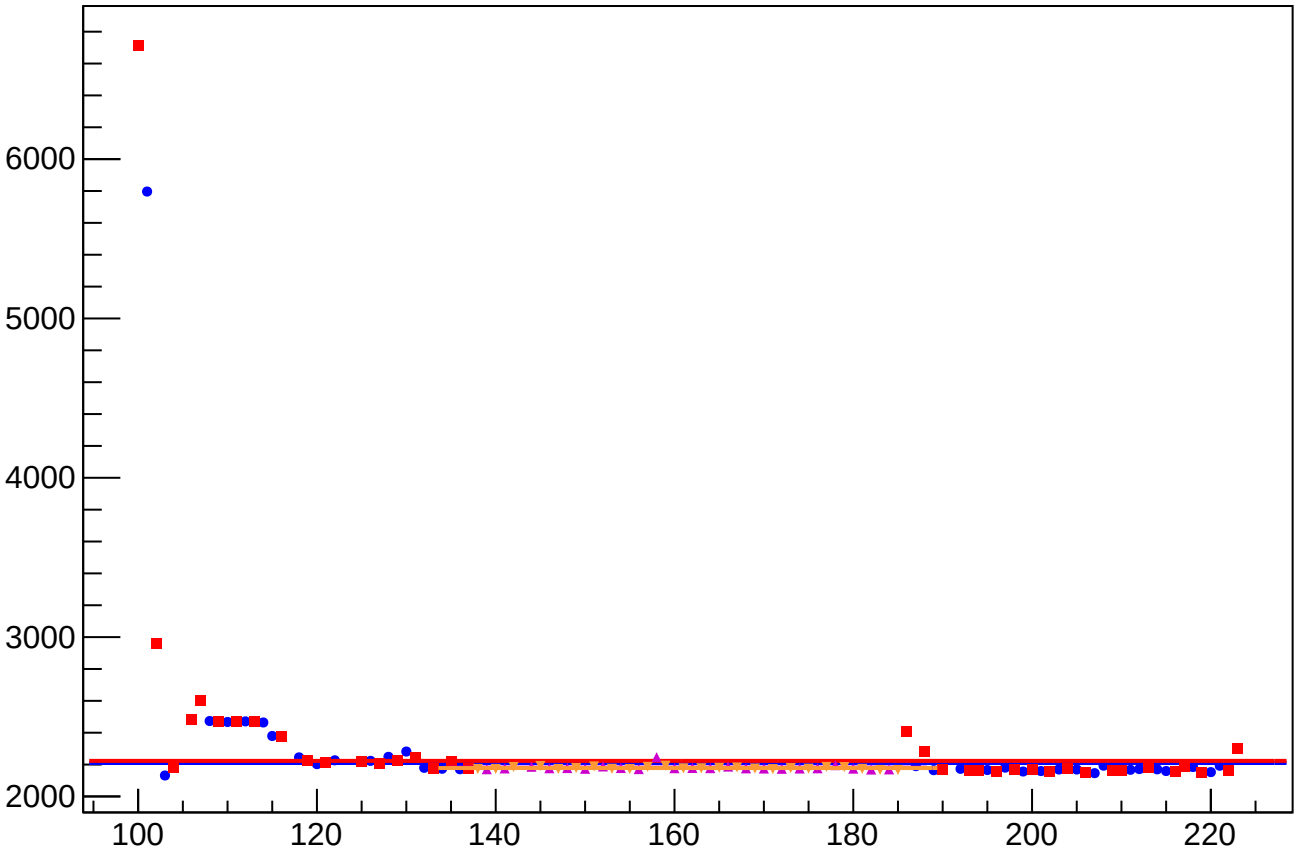
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -84.279+/-333.653 χ^2/NDF: 58.7/70

In: -249.939+/-346.576 χ^2/NDF:56.7/56

Out: -596.015+/-344.481 χ^2/NDF:54.5/60

All: -424.026+/-244.322 χ^2/NDF: 111.7/117



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

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

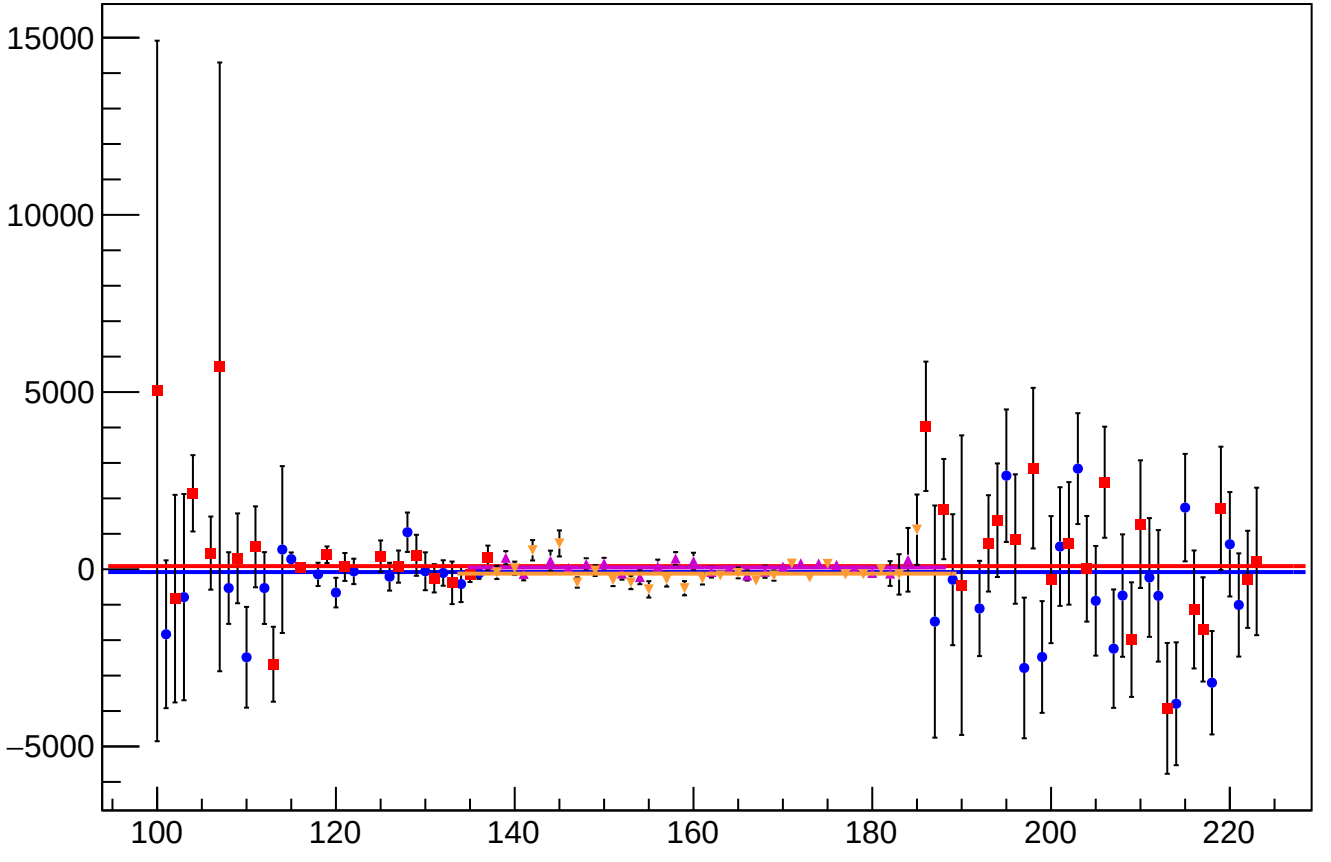
Right: 2216.628+/-0.236 χ^2/NDF: 755680.6/70

In: 2196.492+/-0.245 χ^2/NDF:555355.2/56

Out: 2202.356+/-0.244 χ^2/NDF:213762.1/60

All: 2199.442+/-0.173 χ^2/NDF: 769405.2/117

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



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

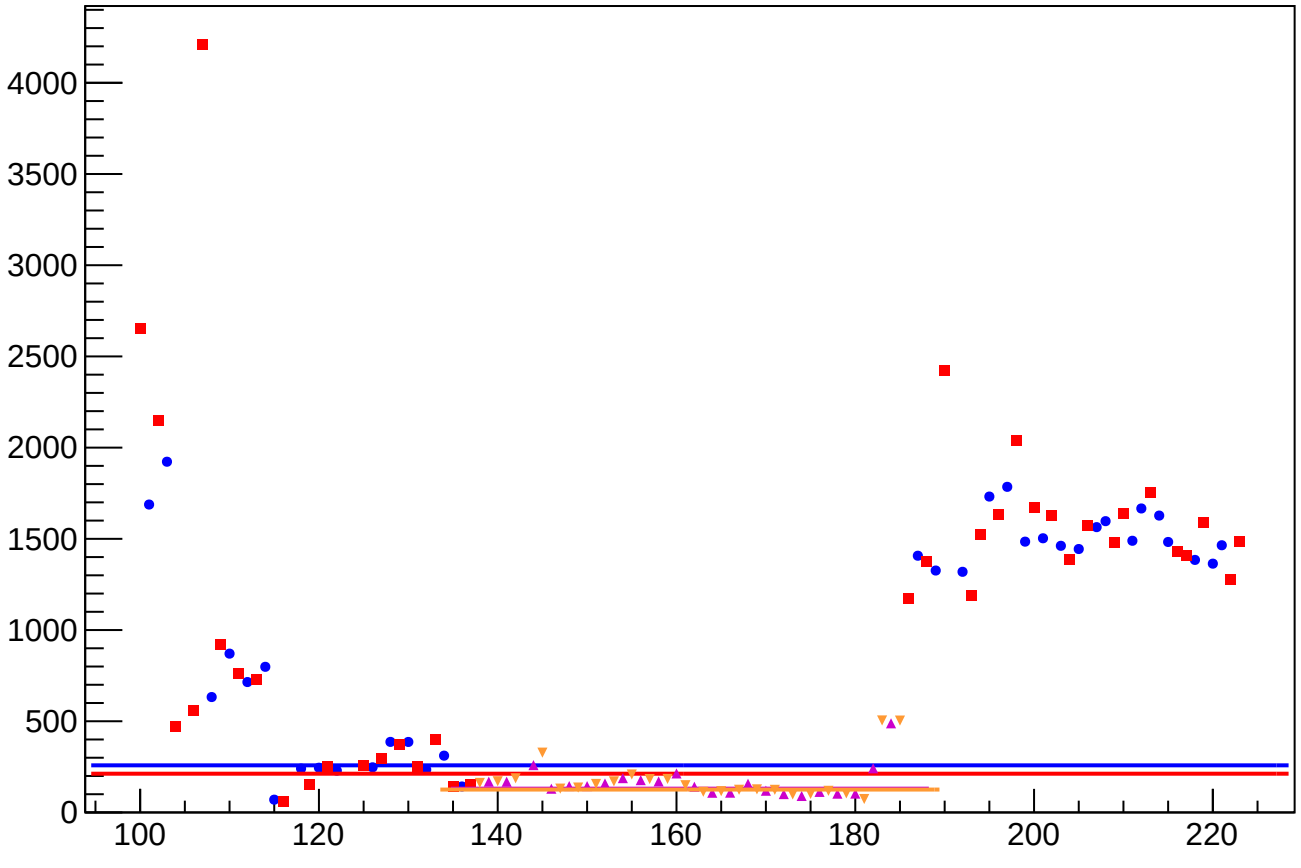
Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

Right: 12.600+/-59.593 χ^2/NDF: 79.2/70

In: 34.924+/-30.547 χ^2/NDF:58.9/56

Out: -95.114+/-29.263 χ^2/NDF:88.2/60

All: -32.884+/-21.131 χ^2/NDF: 156.5/117



Right In: 258.337+/-0.063 χ^2/NDF: 26307840.3/33

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 212.434+/-0.057 χ^2/NDF: 29366093.8/36

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

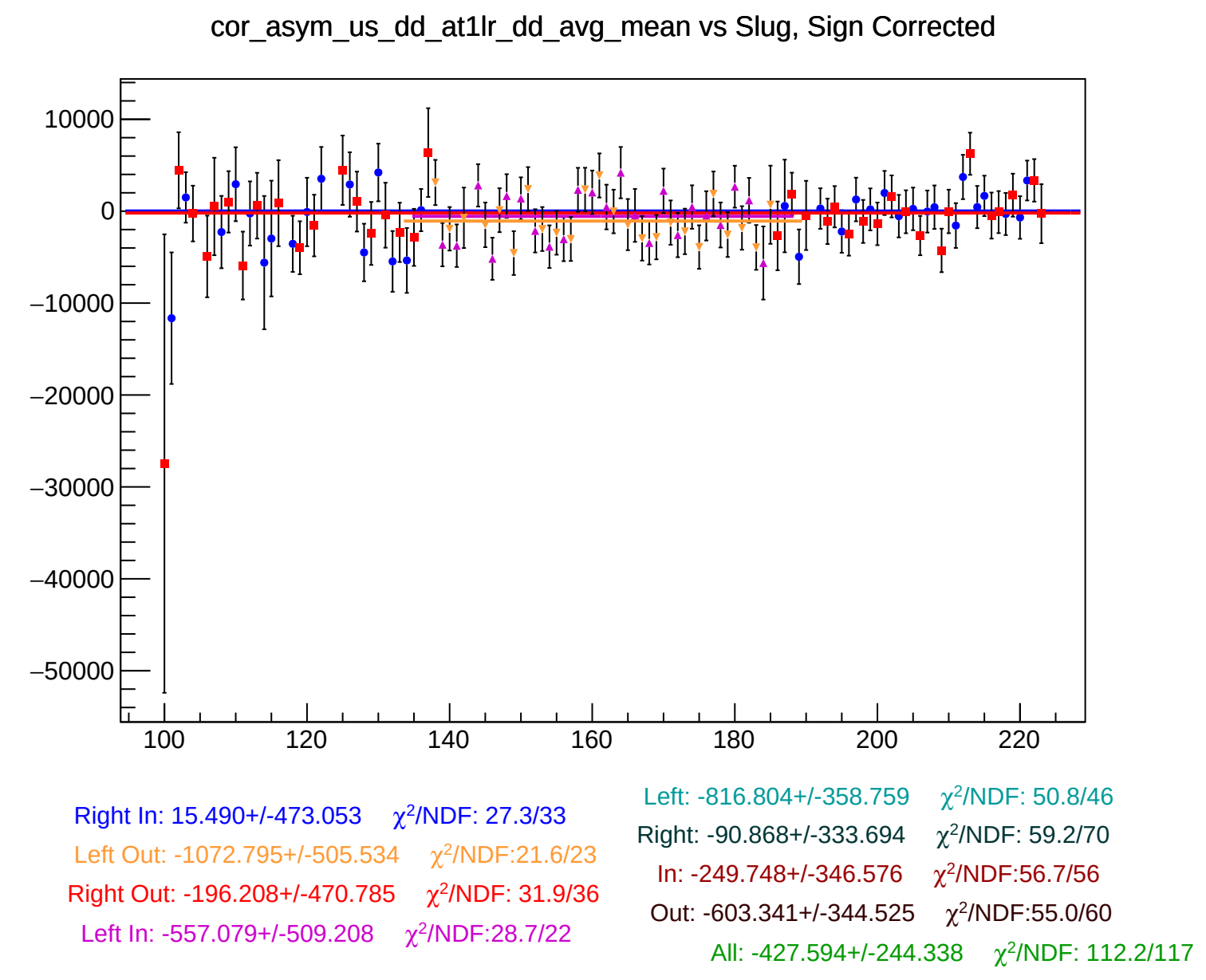
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

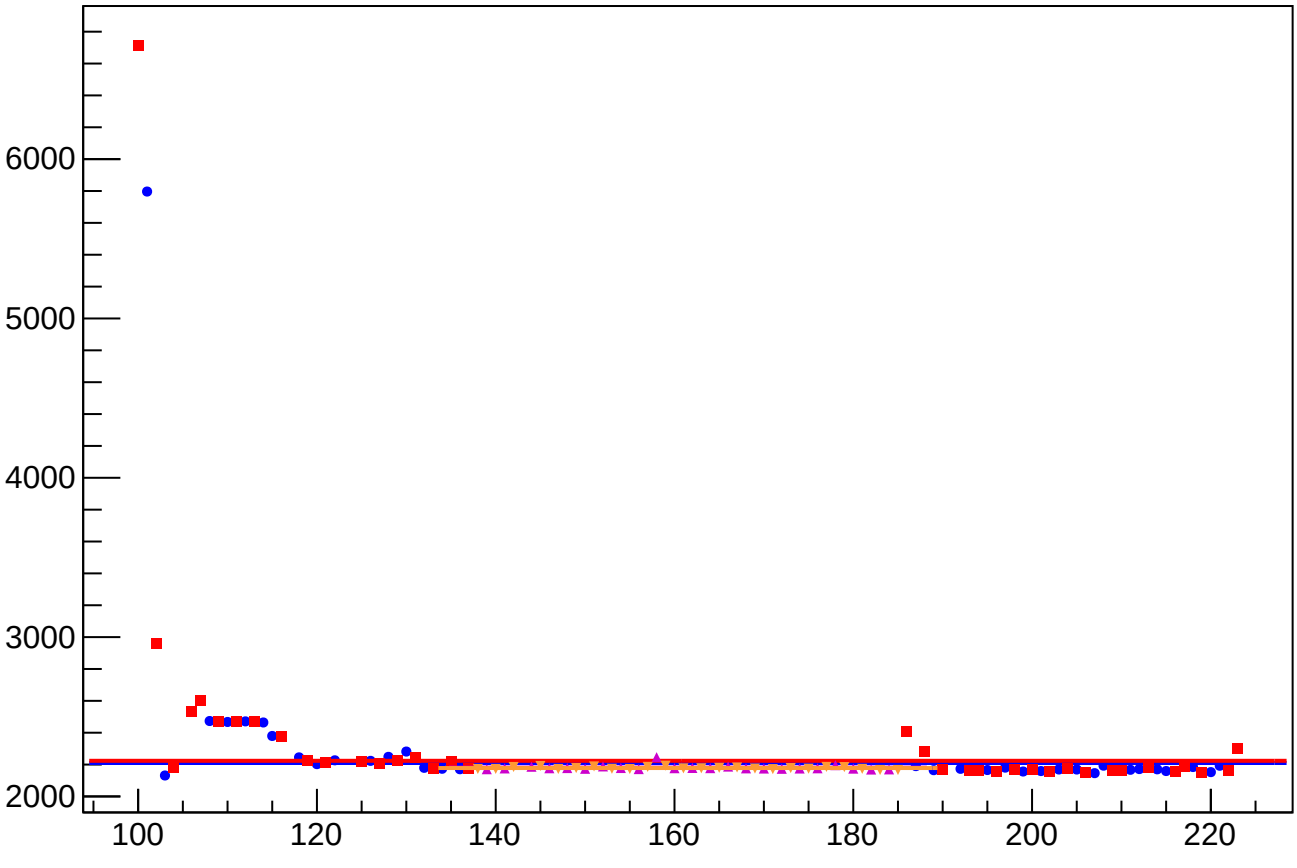
Right: 233.229+/-0.042 χ^2/NDF: 55967981.3/70

In: 145.660+/-0.022 χ^2/NDF:32664258.5/56

Out: 136.972+/-0.021 χ^2/NDF:35329579.3/60

All: 141.130+/-0.015 χ^2/NDF: 68078200.1/11


cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 15.490+/-473.053 χ²/NDF: 27.3/33
Left Out: -1072.795+/-505.534 χ²/NDF:21.6/23
Right Out: -196.208+/-470.785 χ²/NDF: 31.9/36
Left In: -557.079+/-509.208 χ²/NDF:28.7/22
Left: -816.804+/-358.759 χ²/NDF: 50.8/46
Right: -90.868+/-333.694 χ²/NDF: 59.2/70
In: -249.748+/-346.576 χ²/NDF:56.7/56
Out: -603.341+/-344.525 χ²/NDF:55.0/60
All: -427.594+/-244.338 χ²/NDF: 112.2/117



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

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

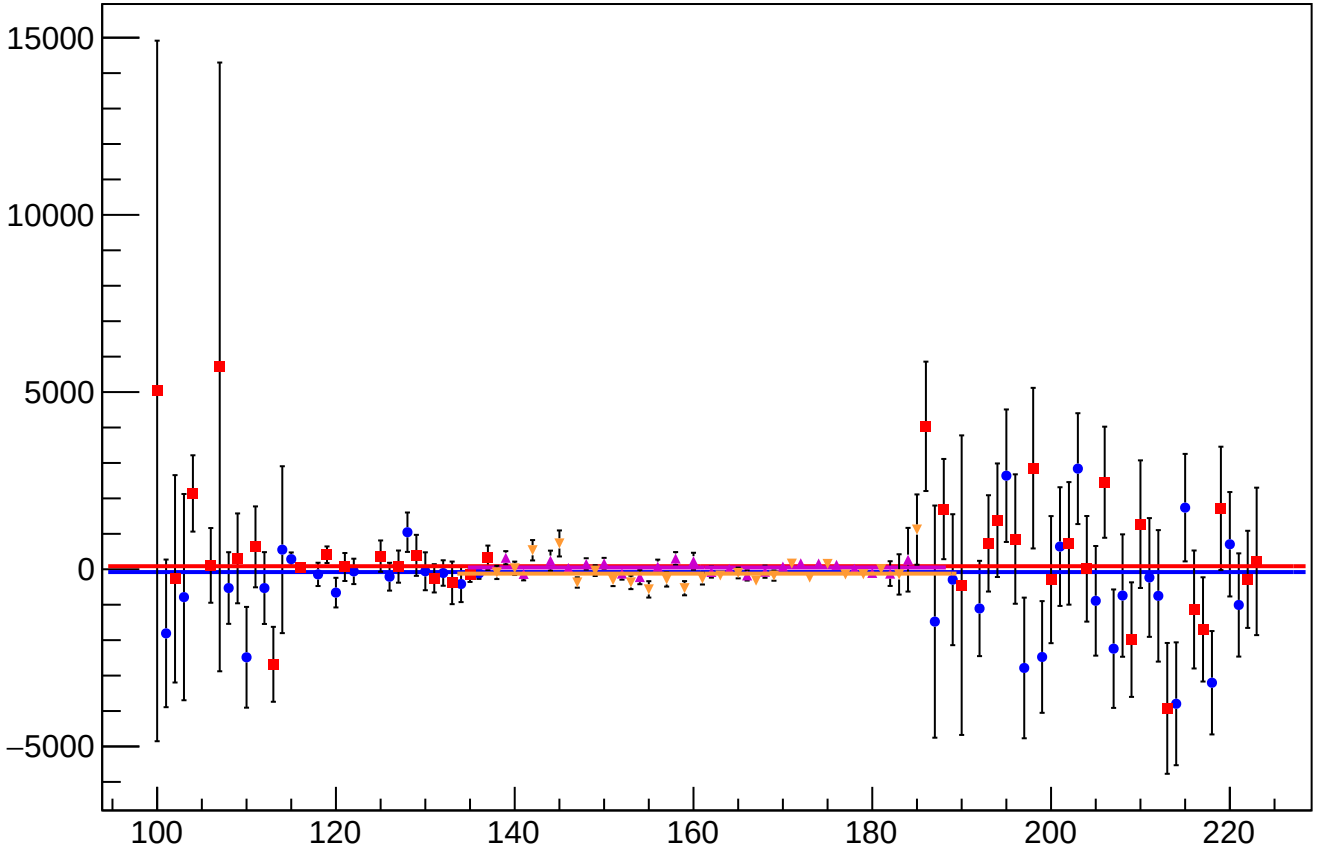
Right: 2216.849+/-0.236 χ^2/NDF: 758371.9/70

In: 2196.492+/-0.245 χ^2/NDF:555355.5/56

Out: 2202.587+/-0.244 χ^2/NDF:216565.4/60

All: 2199.558+/-0.173 χ^2/NDF: 772232.0/117

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



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

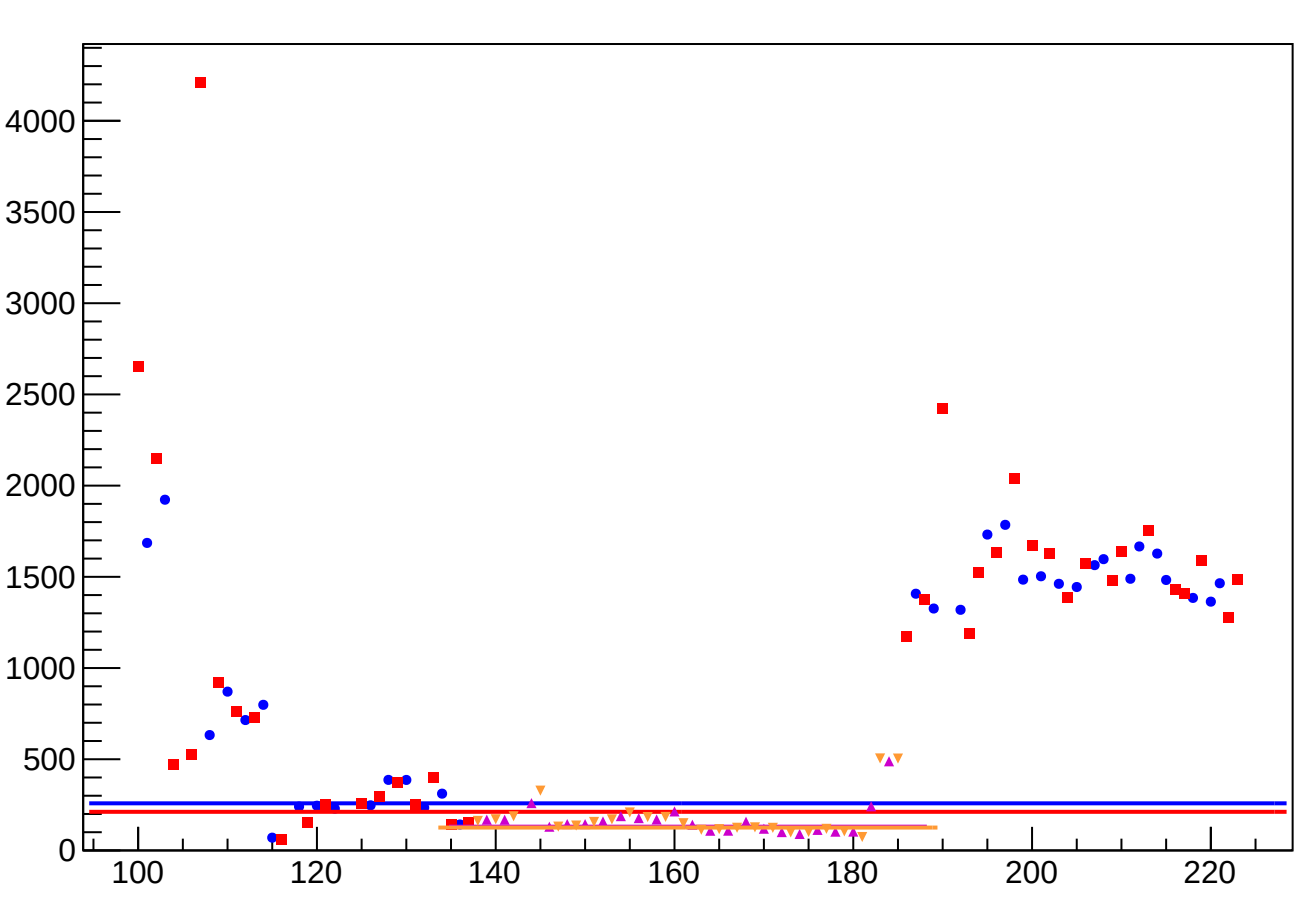
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

Right: 11.592+/-59.571 χ^2/NDF: 78.9/70

In: 34.824+/-30.550 χ^2/NDF:58.9/56

Out: -95.265+/-29.261 χ^2/NDF:87.9/60

All: -33.023+/-21.131 χ^2/NDF: 156.2/117



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

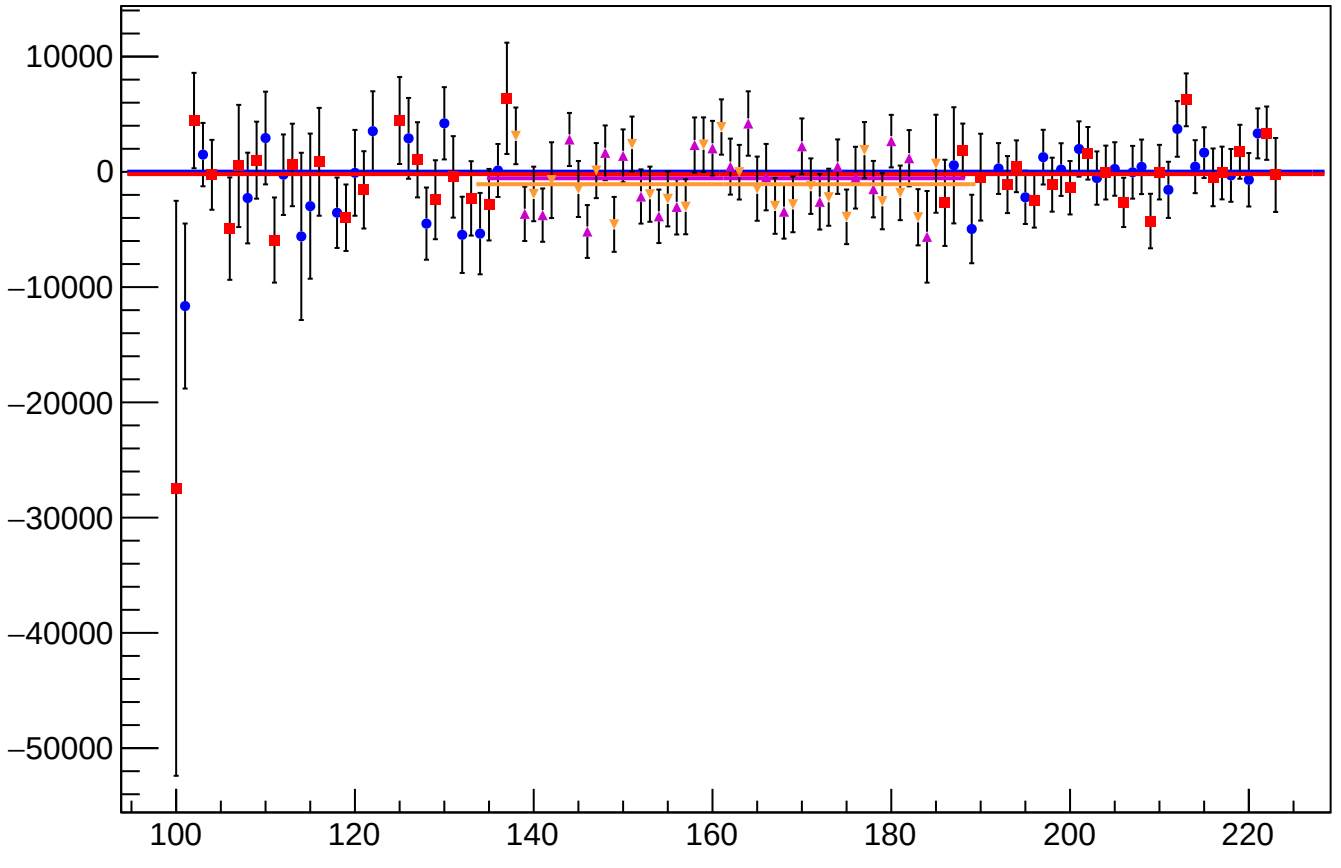
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 232.889+/-0.042 χ^2/NDF: 55949225.1/70

In: 145.678+/-0.022 χ^2/NDF:32662391.5/56

Out: 136.902+/-0.021 χ^2/NDF:35279349.0/60

All: 141.101+/-0.015 χ^2/NDF: 68027816.0/1



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

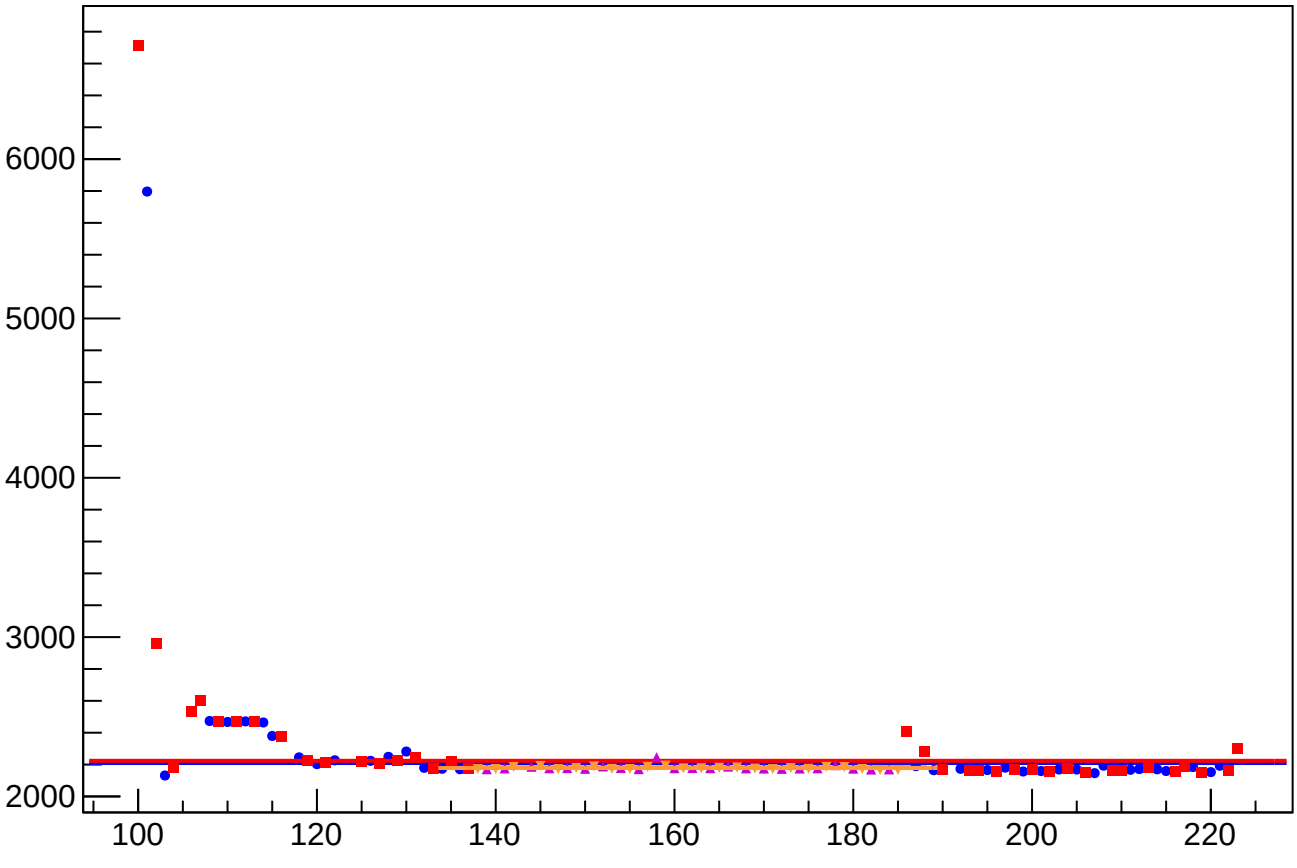
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -90.868+/-333.694 χ^2/NDF: 59.2/70

In: -249.748+/-346.576 χ^2/NDF:56.7/56

Out: -603.341+/-344.525 χ^2/NDF:55.0/60

All: -427.594+/-244.338 χ^2/NDF: 112.2/117



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

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

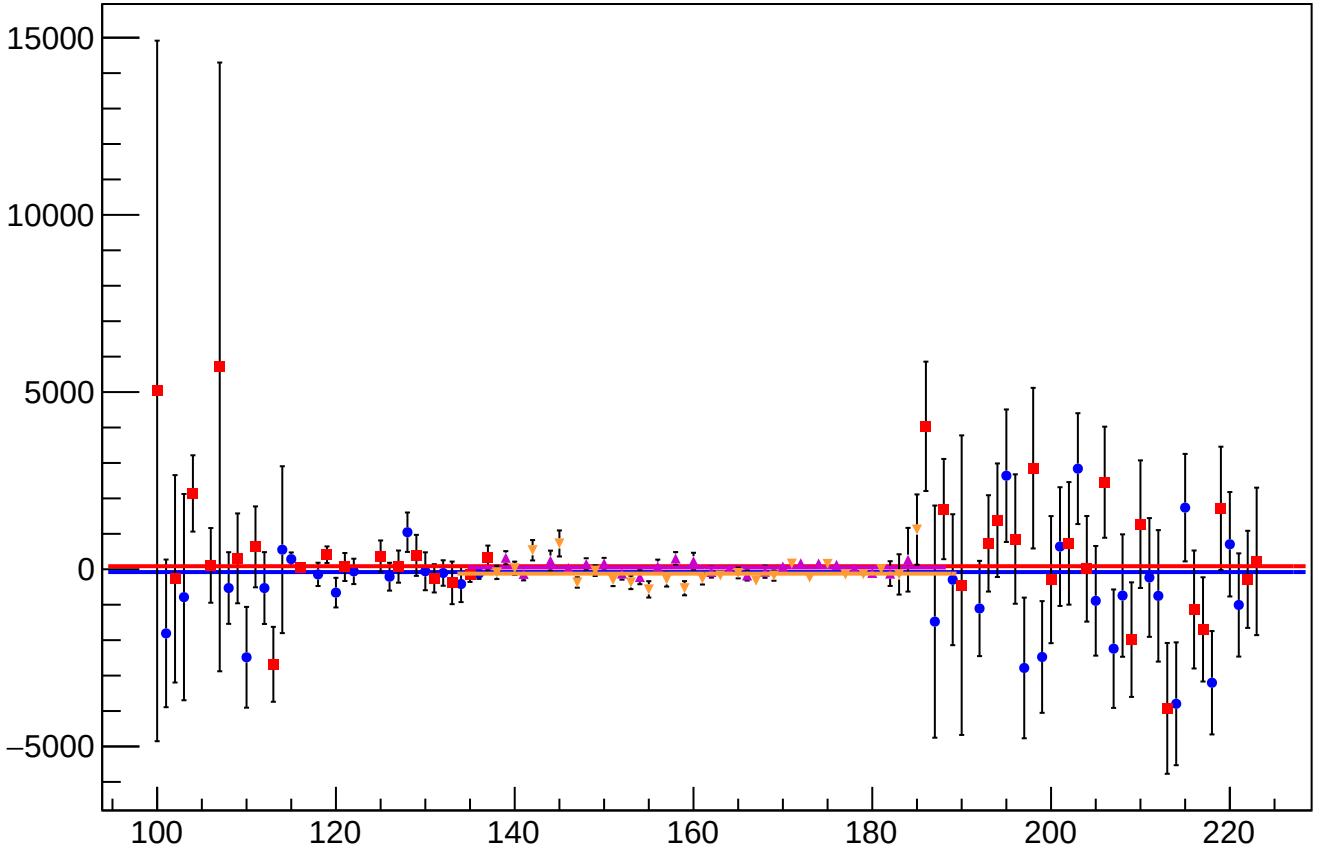
Right: 2216.849+/-0.236 χ^2/NDF: 758371.9/70

In: 2196.492+/-0.245 χ^2/NDF:555355.5/56

Out: 2202.587+/-0.244 χ^2/NDF:216565.4/60

All: 2199.558+/-0.173 χ^2/NDF: 772232.0/117

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

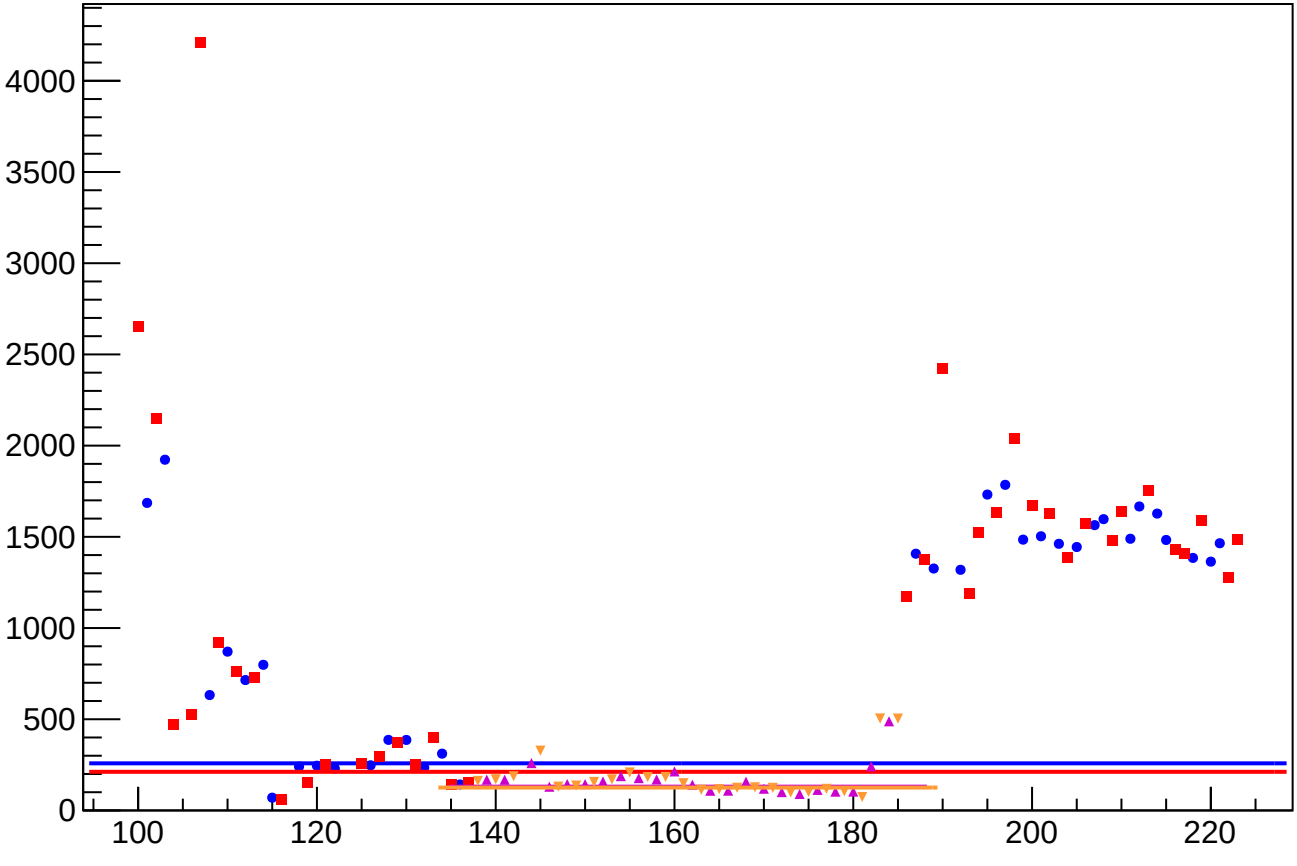
Right: 11.592+/-59.571 χ^2/NDF: 78.9/70

In: 34.824+/-30.550 χ^2/NDF:58.9/56

Out: -95.265+/-29.261 χ^2/NDF:87.9/60

All: -33.023+/-21.131 χ^2/NDF: 156.2/117

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

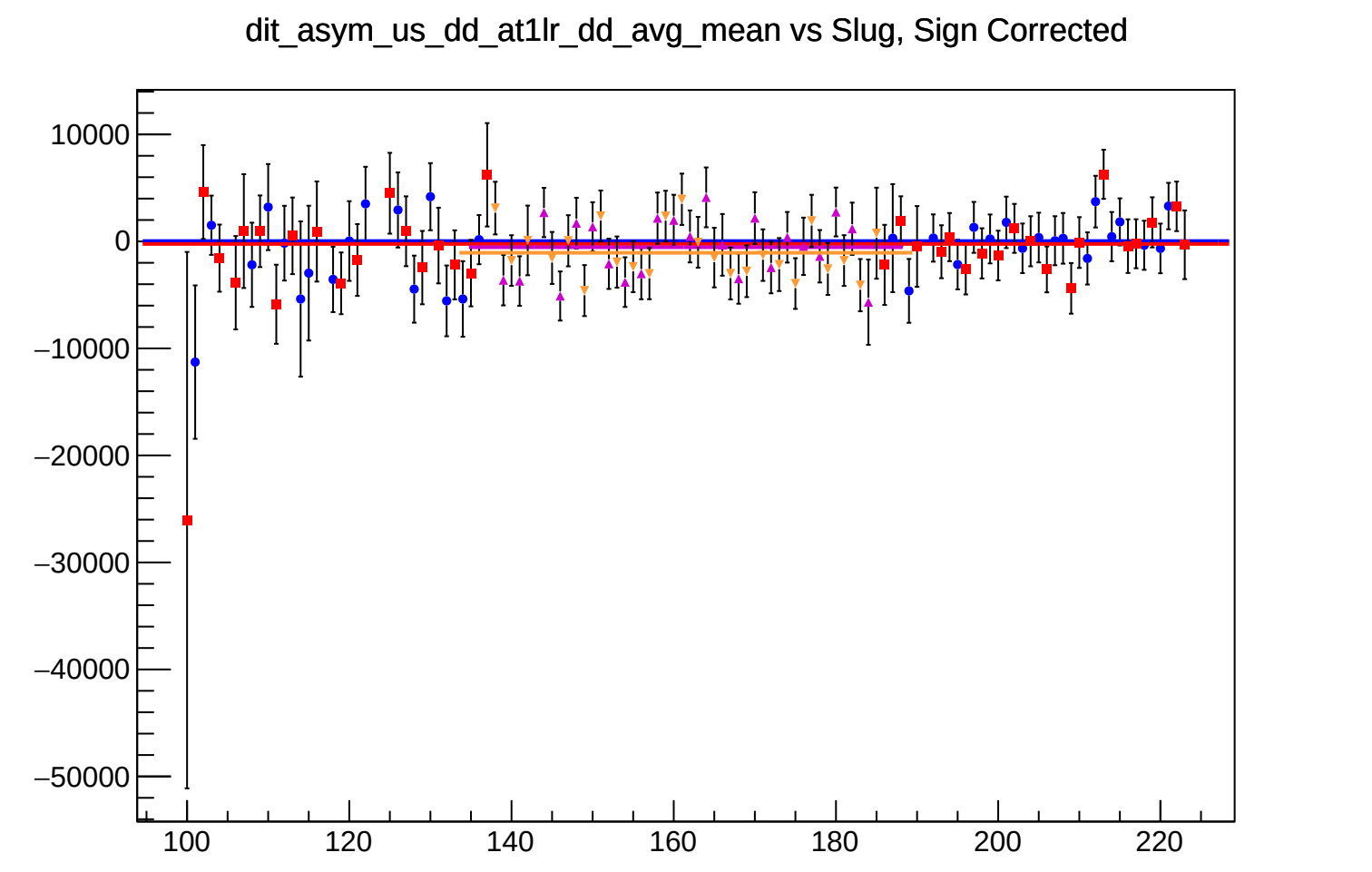
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 232.889+/-0.042 χ^2/NDF: 55949225.1/70

In: 145.678+/-0.022 χ^2/NDF:32662391.5/56

Out: 136.902+/-0.021 χ^2/NDF:35279349.0/60

All: 141.101+/-0.015 χ^2/NDF: 68027816.0/11



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

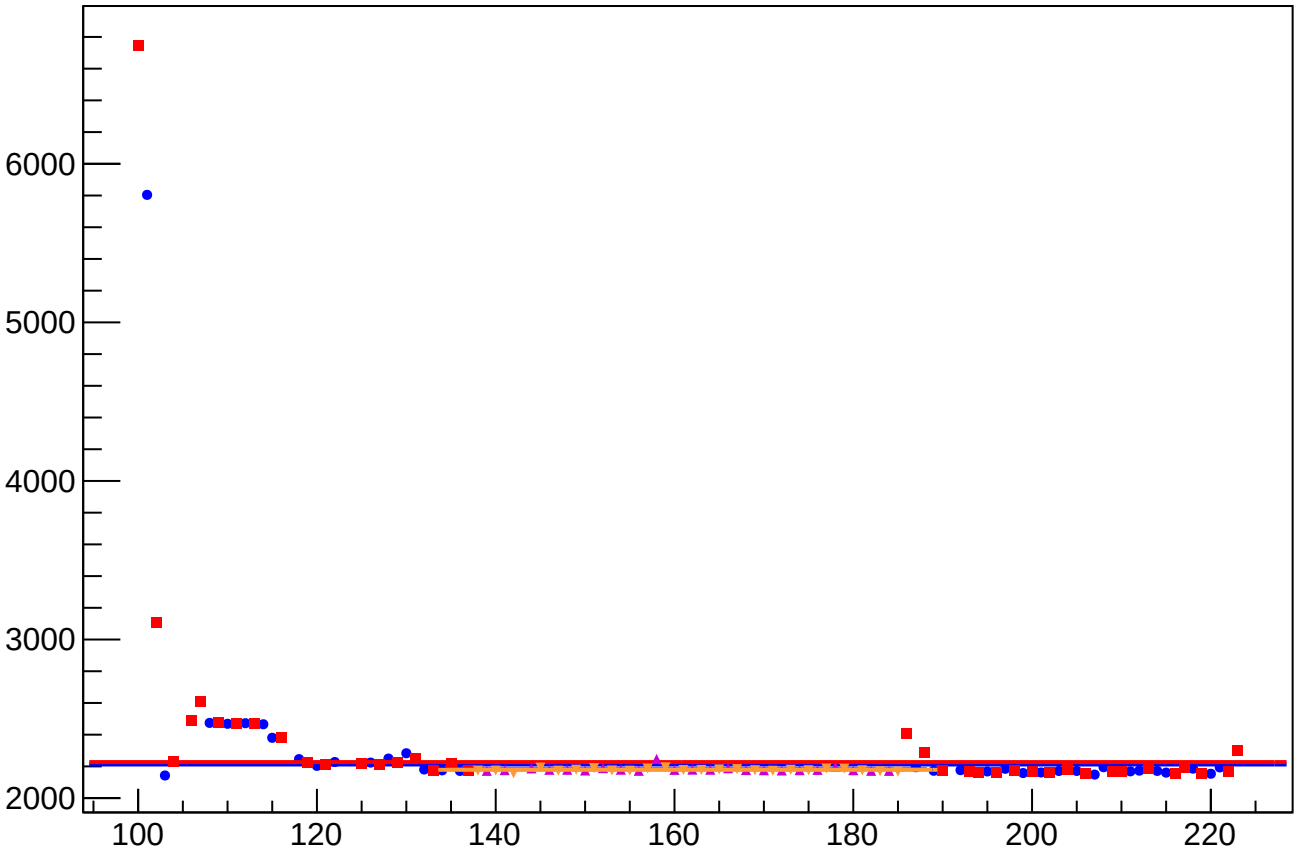
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -103.159+/-334.230 χ^2/NDF: 57.9/70

In: -234.581+/-346.828 χ^2/NDF:55.3/56

Out: -621.896+/-344.967 χ^2/NDF:54.3/60

All: -429.281+/-244.584 χ^2/NDF: 110.3/117



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

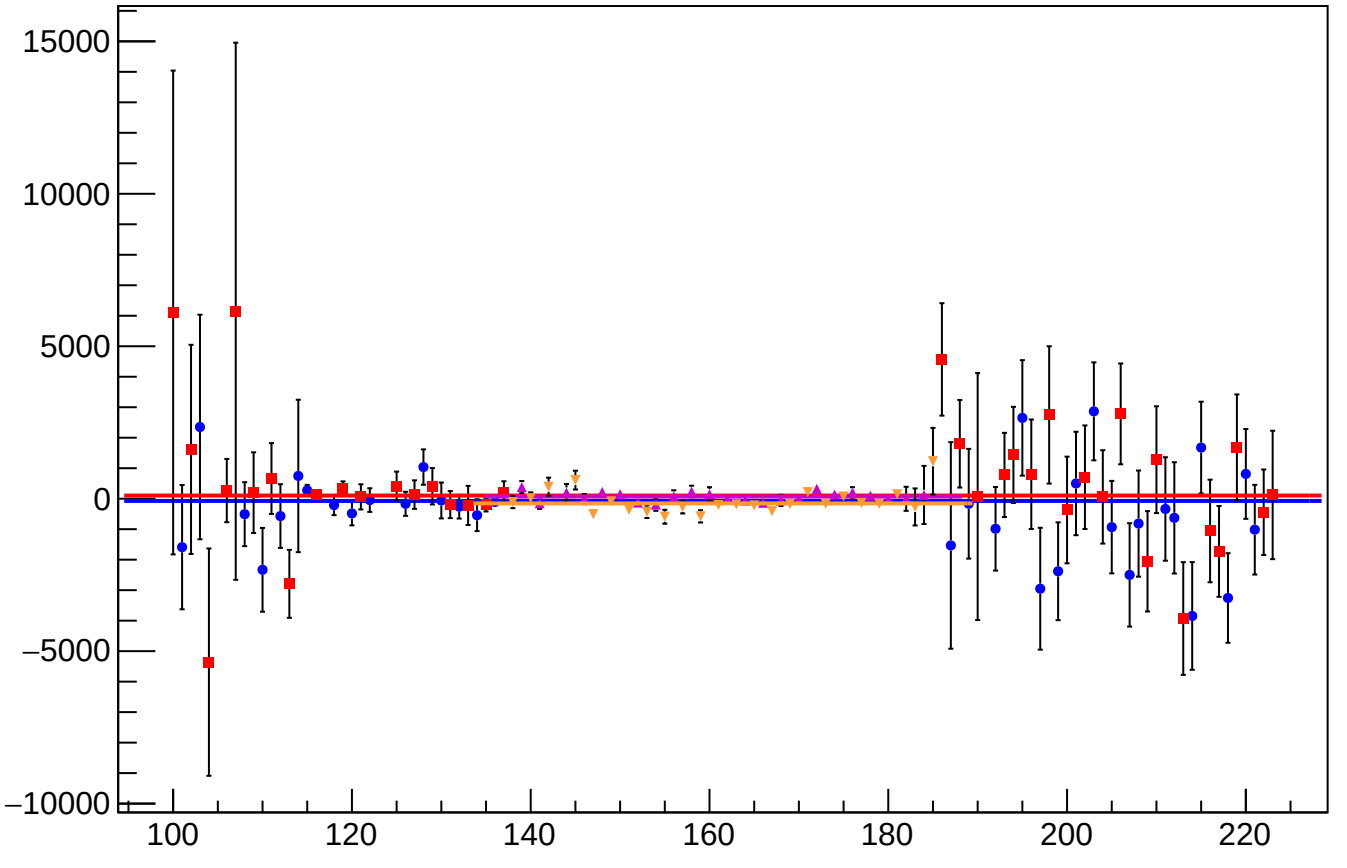
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2219.594+/-0.236 χ^2/NDF: 774228.9/70

In: 2198.042+/-0.245 χ^2/NDF:555139.1/56

Out: 2204.496+/-0.244 χ^2/NDF:233998.9/60

All: 2201.286+/-0.173 χ^2/NDF: 789486.1/117



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

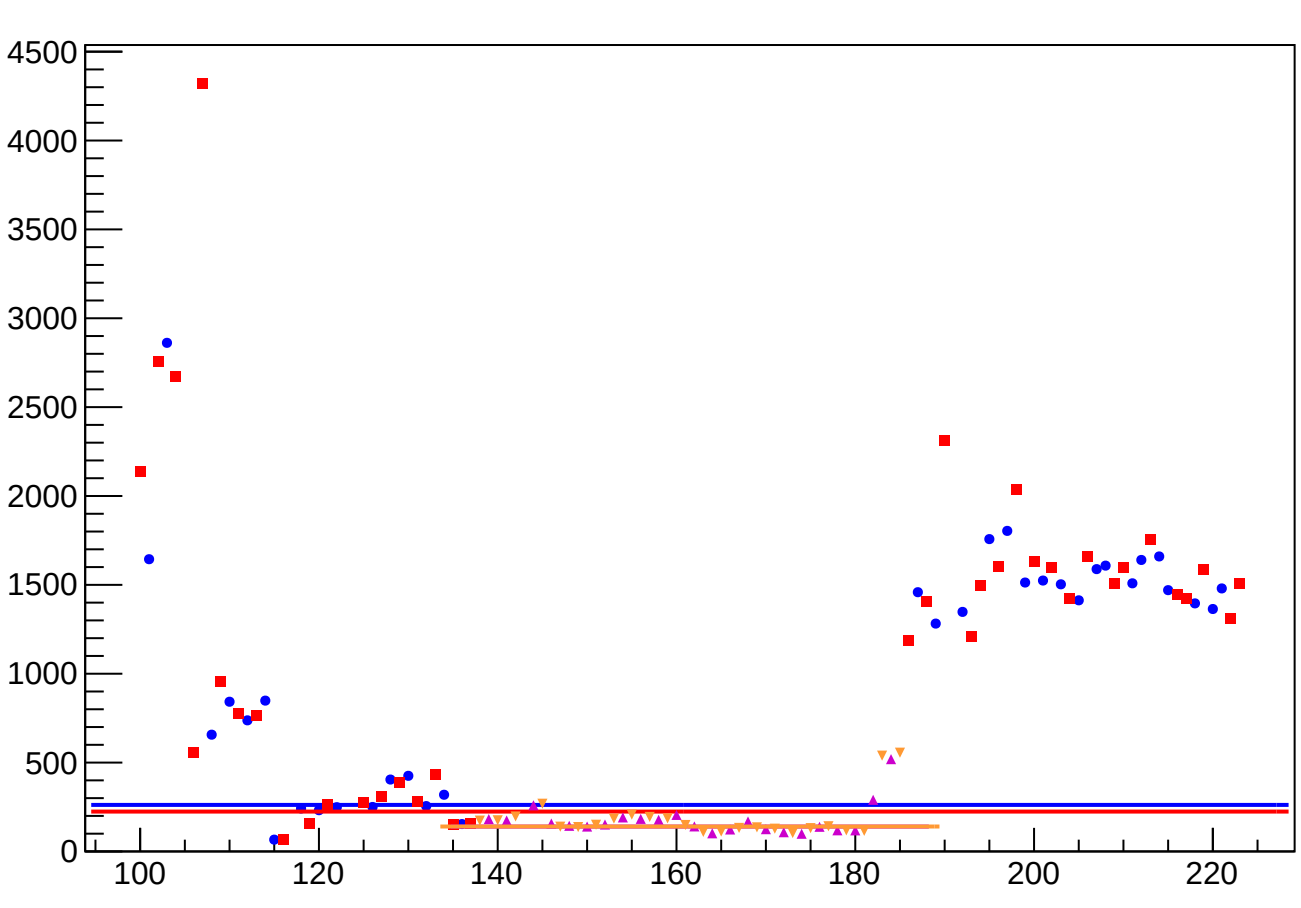
Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

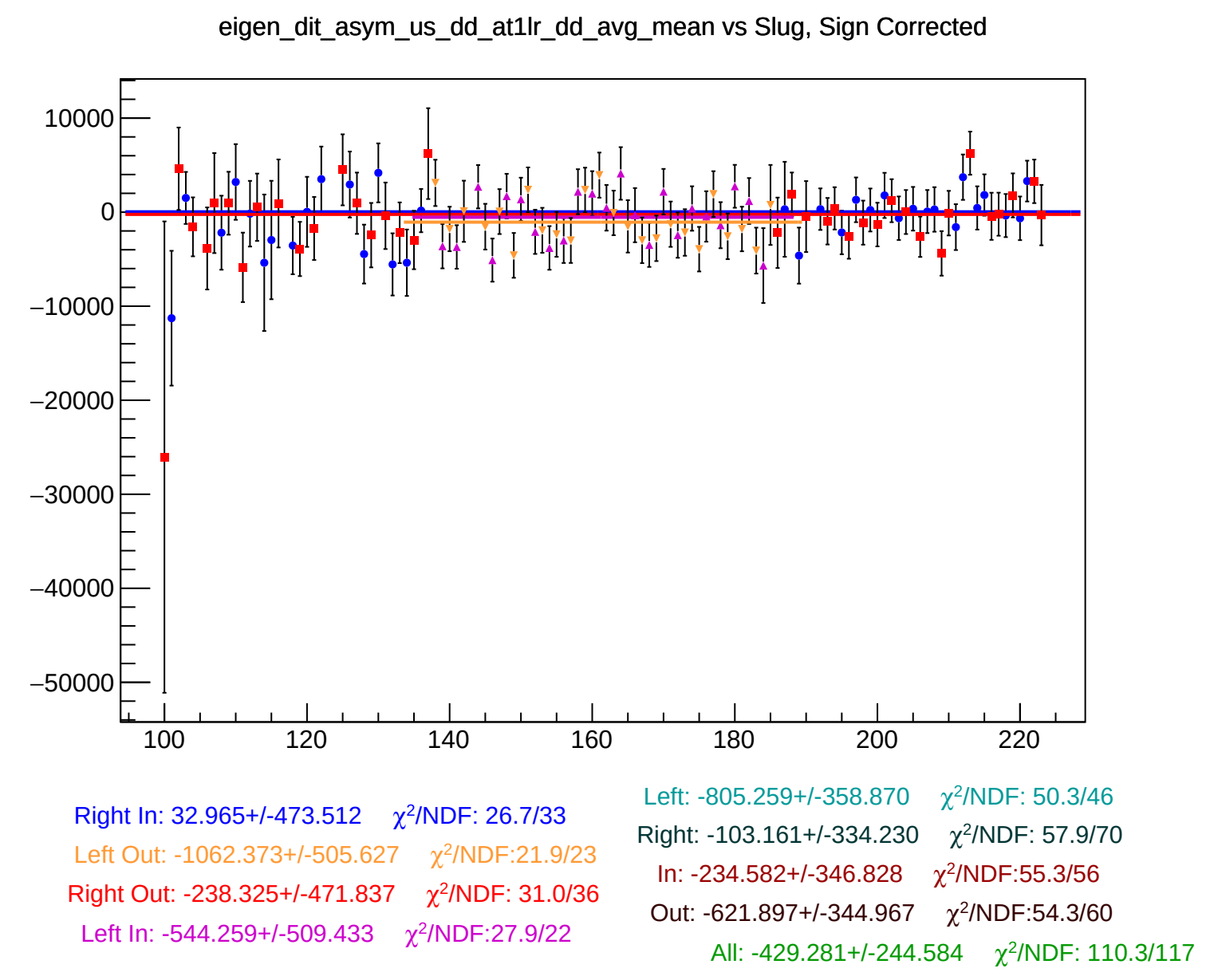
Right: 20.908+/-61.415 χ^2/NDF: 78.0/70

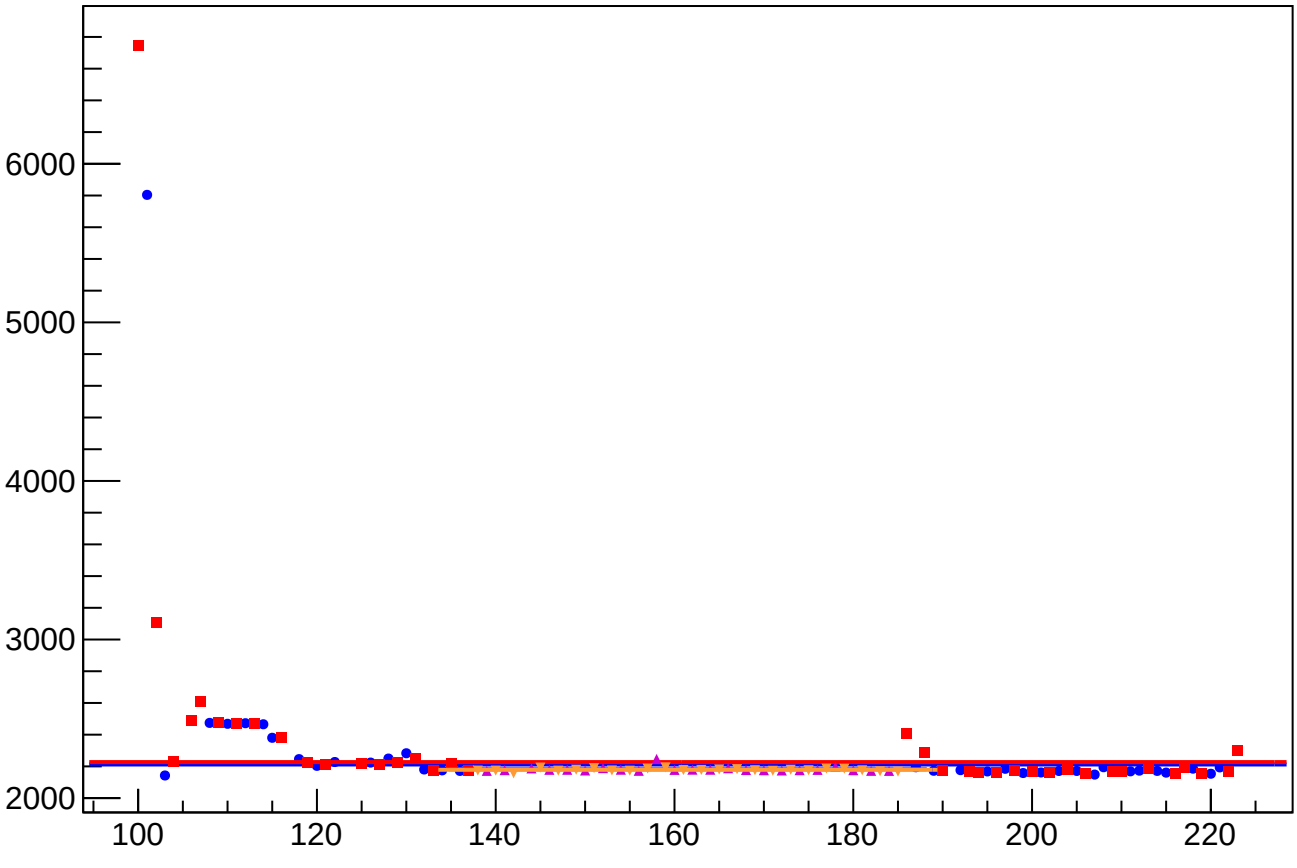
In: 52.088+/-31.971 χ^2/NDF:59.7/56

Out: -118.418+/-31.567 χ^2/NDF:92.8/60

All: -34.247+/-22.463 χ^2/NDF: 166.9/117


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
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
Left: 140.149+/-0.017 χ²/NDF: 5172838.7/46
Right: 241.871+/-0.043 χ²/NDF: 57040307.9/70
In: 155.380+/-0.023 χ²/NDF:32466448.0/56
Out: 152.175+/-0.022 χ²/NDF:34489184.1/60
All: 153.757+/-0.016 χ²/NDF: 66965805.4/11


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 32.965+/-473.512 χ²/NDF: 26.7/33
Left Out: -1062.373+/-505.627 χ²/NDF:21.9/23
Right Out: -238.325+/-471.837 χ²/NDF: 31.0/36
Left In: -544.259+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -103.161+/-334.230 χ²/NDF: 57.9/70
In: -234.582+/-346.828 χ²/NDF:55.3/56
Out: -621.897+/-344.967 χ²/NDF:54.3/60
All: -429.281+/-244.584 χ²/NDF: 110.3/117



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

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

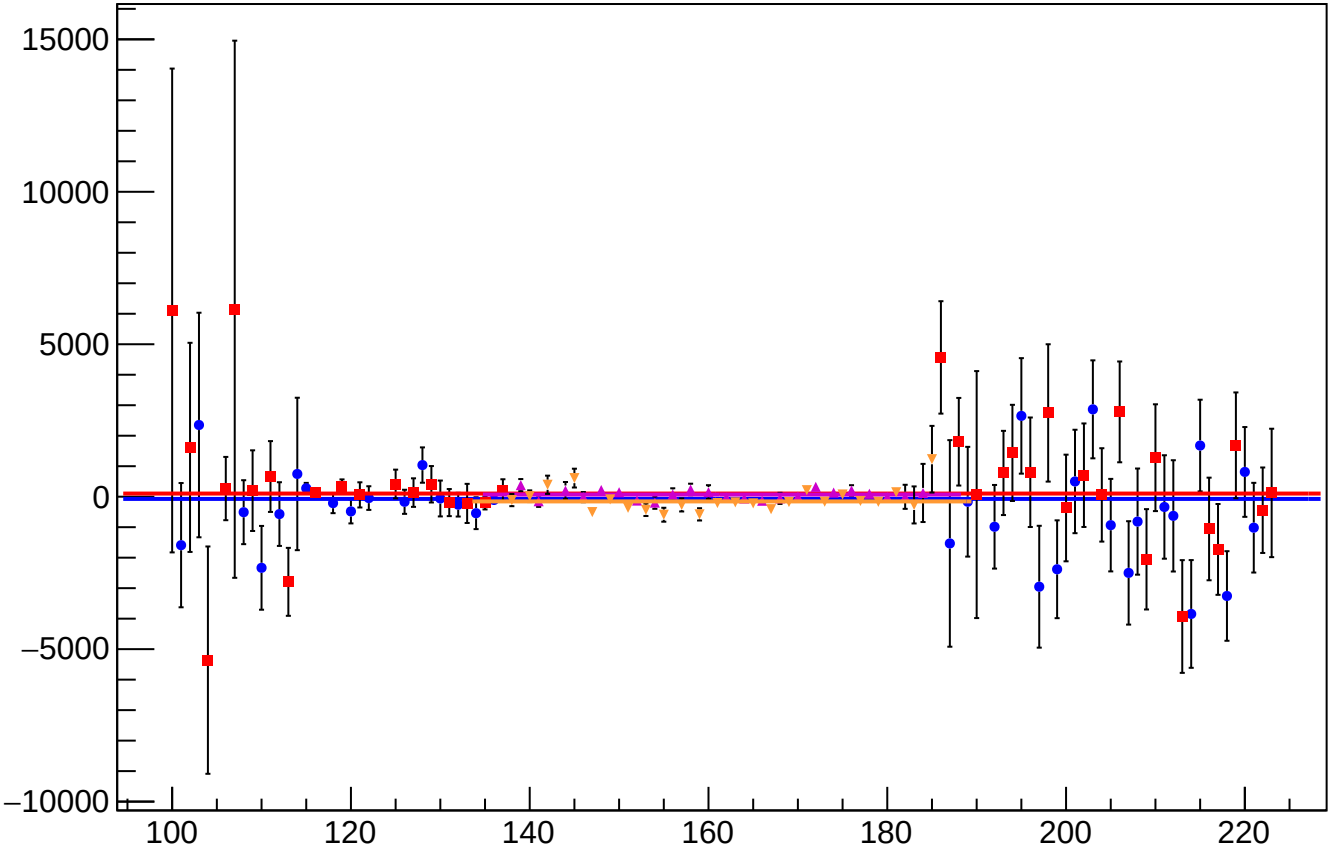
Right: 2219.594+/-0.236 χ^2/NDF: 774228.8/70

In: 2198.042+/-0.245 χ^2/NDF:555139.1/56

Out: 2204.496+/-0.244 χ^2/NDF:233998.7/60

All: 2201.286+/-0.173 χ^2/NDF: 789486.0/117

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

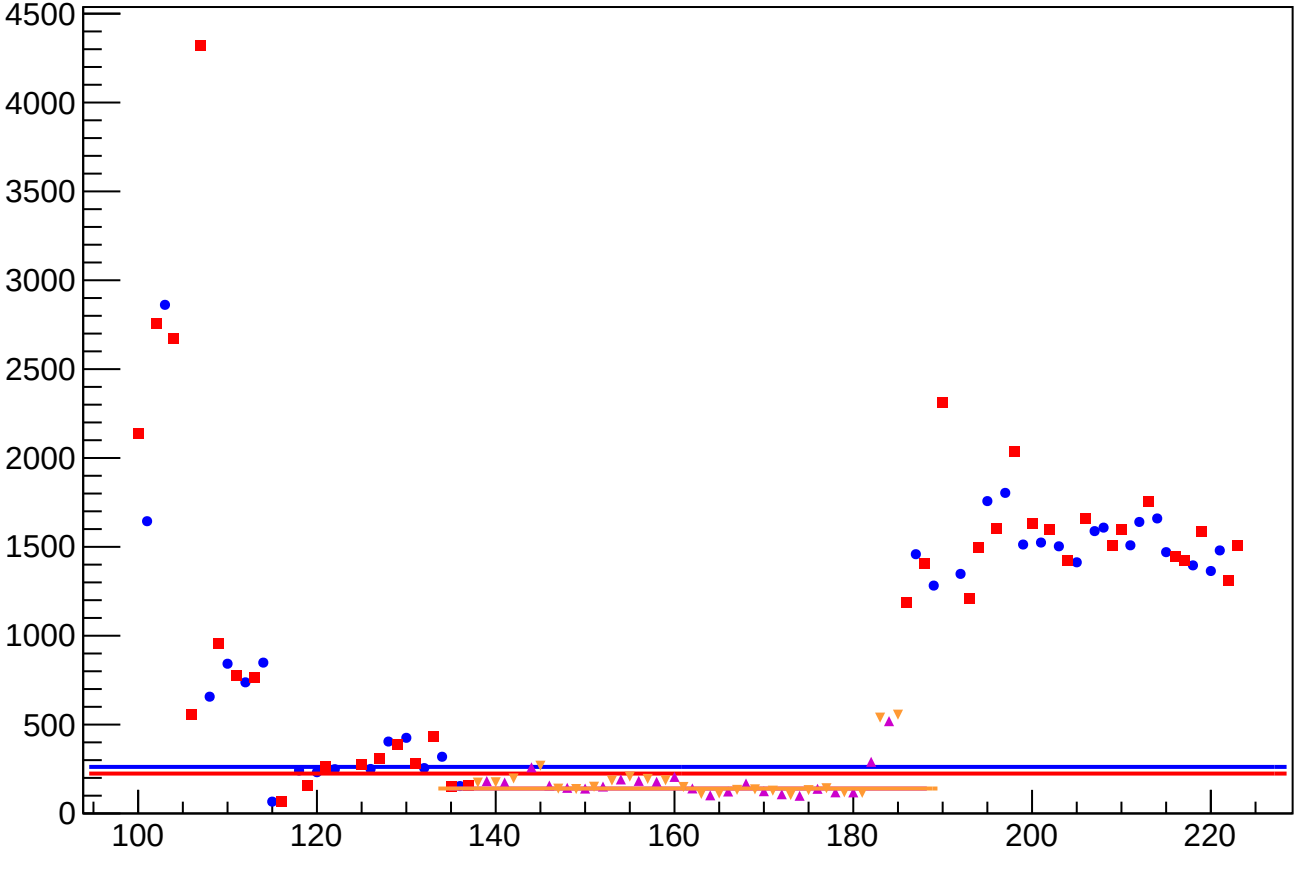
Right: 20.910+/-61.415 χ^2/NDF: 78.0/70

In: 52.088+/-31.971 χ^2/NDF:59.7/56

Out: -118.418+/-31.568 χ^2/NDF:92.8/60

All: -34.248+/-22.463 χ^2/NDF: 166.9/117

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

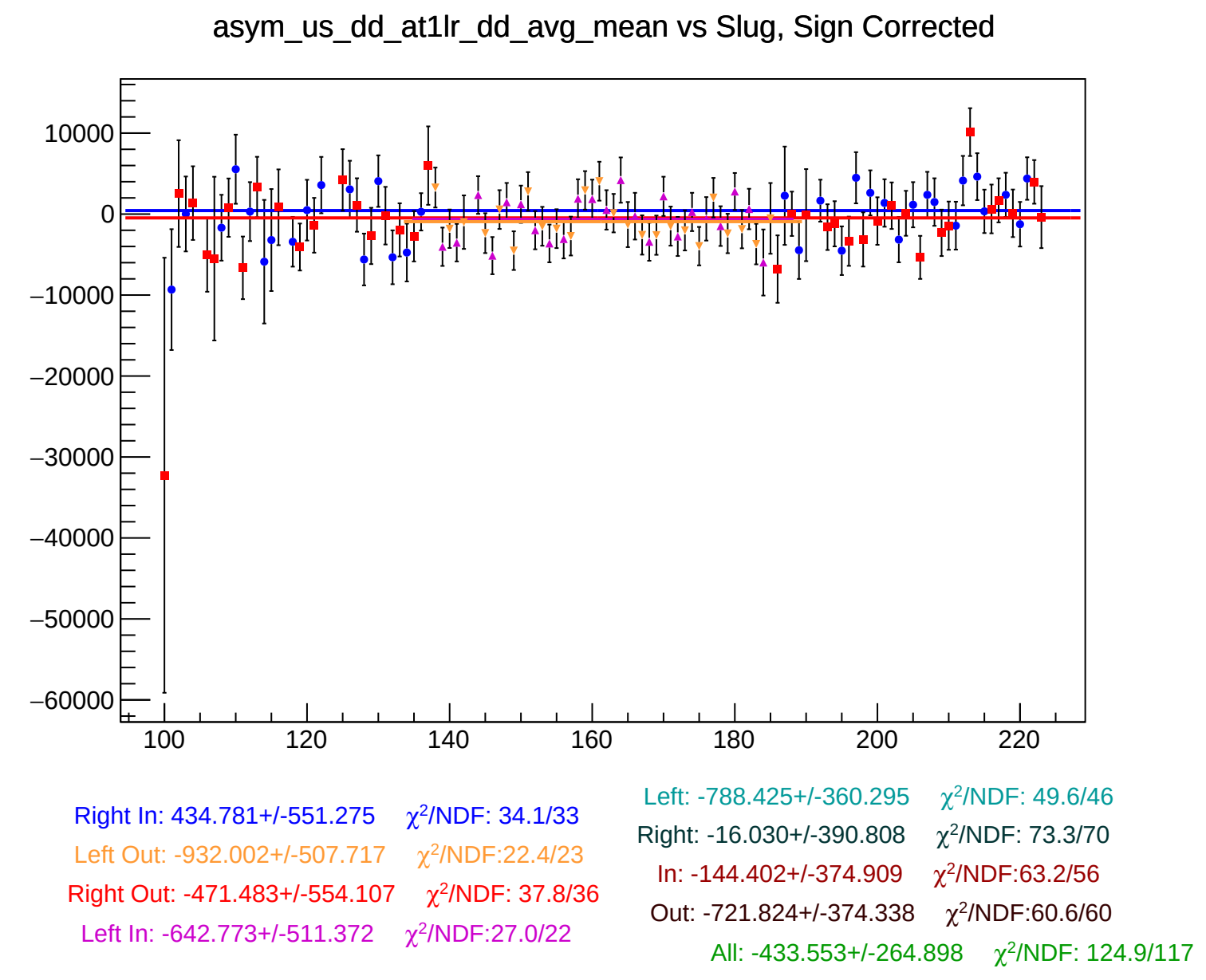
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

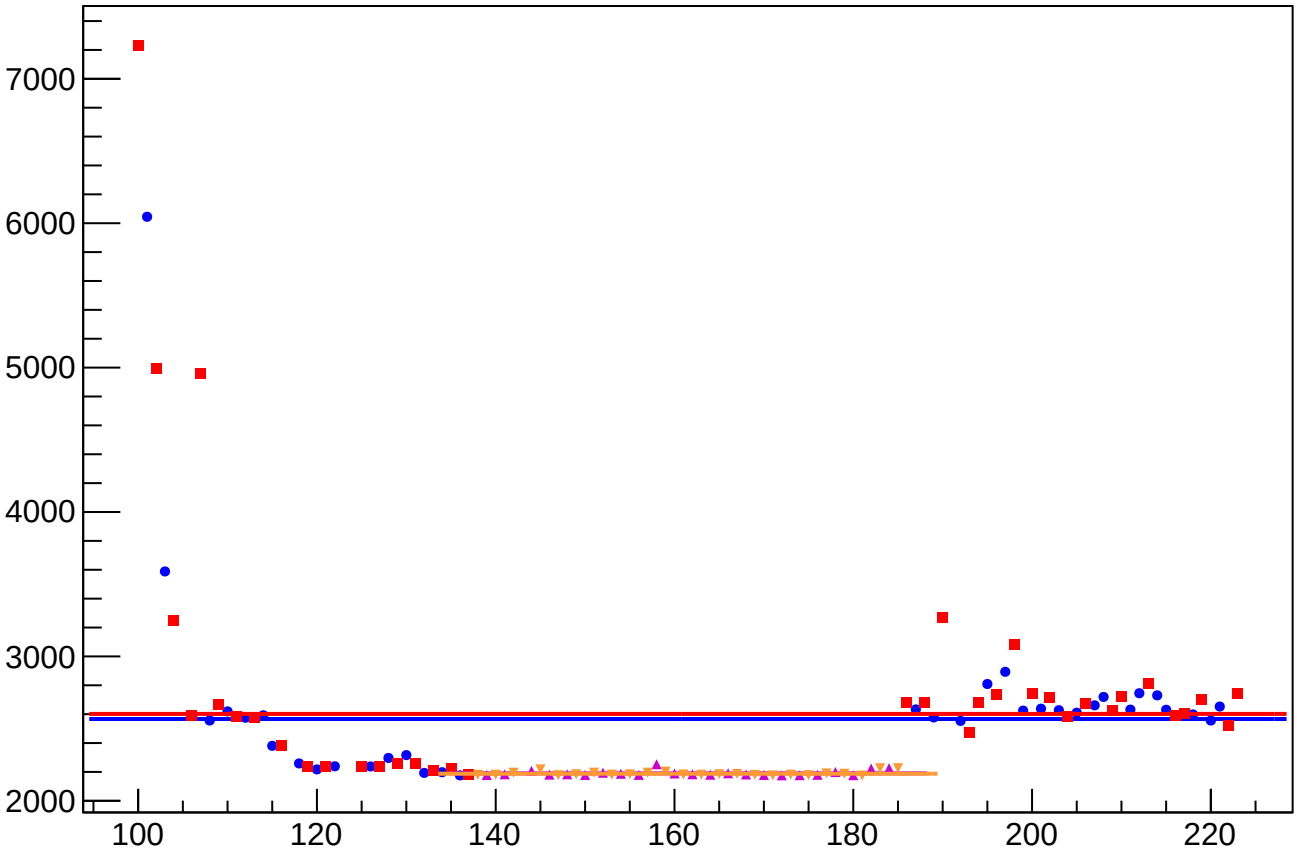
Right: 241.868+/-0.043 χ^2/NDF: 57040626.4/70

In: 155.380+/-0.023 χ^2/NDF:32466505.9/56

Out: 152.176+/-0.022 χ^2/NDF:34489218.8/60

All: 153.757+/-0.016 χ^2/NDF: 66965897.3/11


asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
220
Right In: 434.781+/-551.275 χ²/NDF: 34.1/33
Left Out: -932.002+/-507.717 χ²/NDF:22.4/23
Right Out: -471.483+/-554.107 χ²/NDF: 37.8/36
Left In: -642.773+/-511.372 χ²/NDF:27.0/22
Left: -788.425+/-360.295 χ²/NDF: 49.6/46
Right: -16.030+/-390.808 χ²/NDF: 73.3/70
In: -144.402+/-374.909 χ²/NDF:63.2/56
Out: -721.824+/-374.338 χ²/NDF:60.6/60
All: -433.553+/-264.898 χ²/NDF: 124.9/117



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

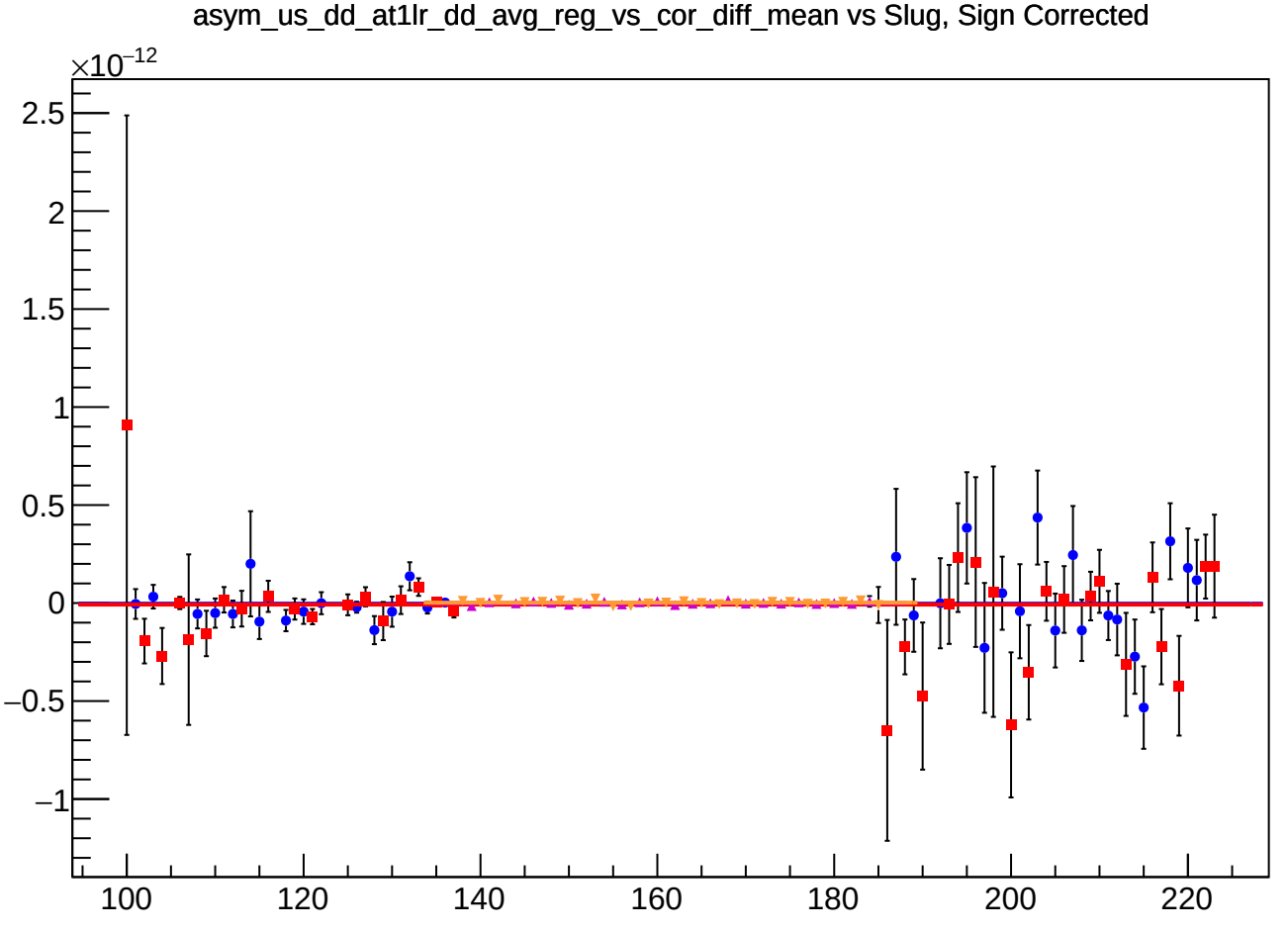
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2584.091+/-0.276 χ^2/NDF: 1601194.5/70

In: 2364.259+/-0.265 χ^2/NDF:1304275.5/56

Out: 2376.639+/-0.265 χ^2/NDF:1405333.2/60

All: 2370.458+/-0.187 χ^2/NDF: 2710700.9/11



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

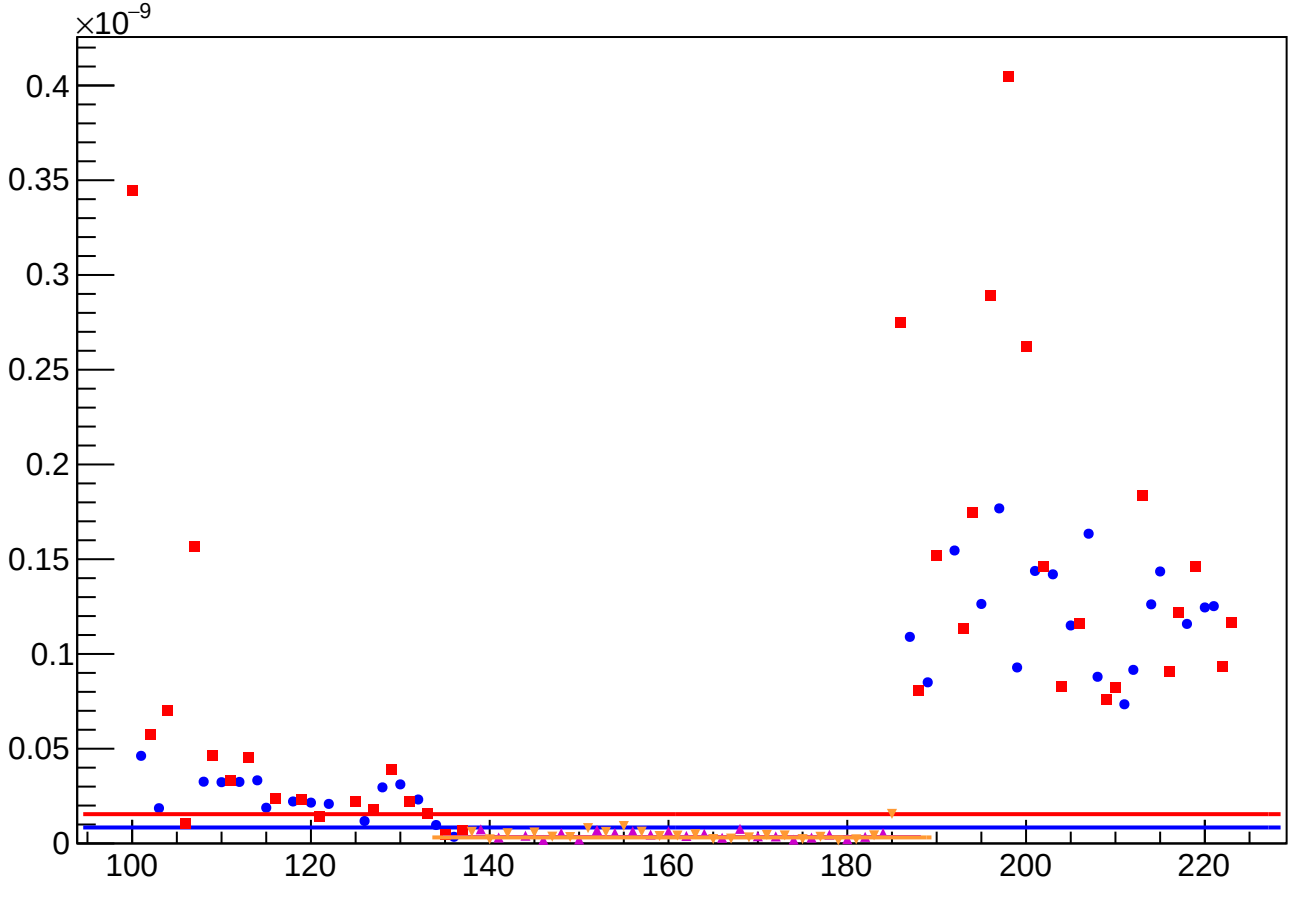
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 75.7/70

In: -0.000+/-0.000 χ^2/NDF:50.4/56

Out: 0.000+/-0.000 χ^2/NDF:59.1/60

All: 0.000+/-0.000 χ^2/NDF: 110.5/117



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

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

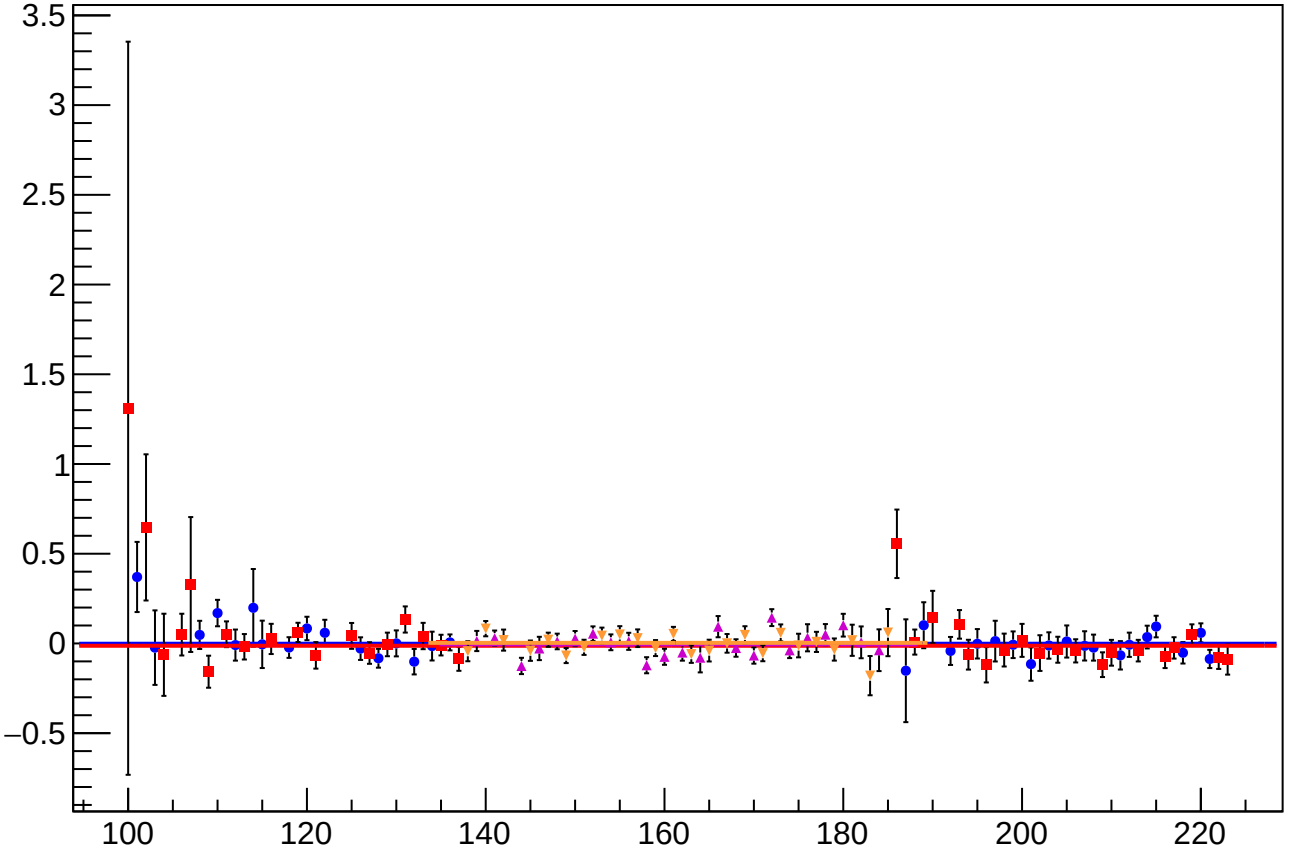
Right: 0.000+/-0.000 χ^2/NDF: 27355804.3/70

In: 0.000+/-0.000 χ^2/NDF:16200315.1/56

Out: 0.000+/-0.000 χ^2/NDF:18608520.1/60

All: 0.000+/-0.000 χ^2/NDF: 34833876.0/117

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

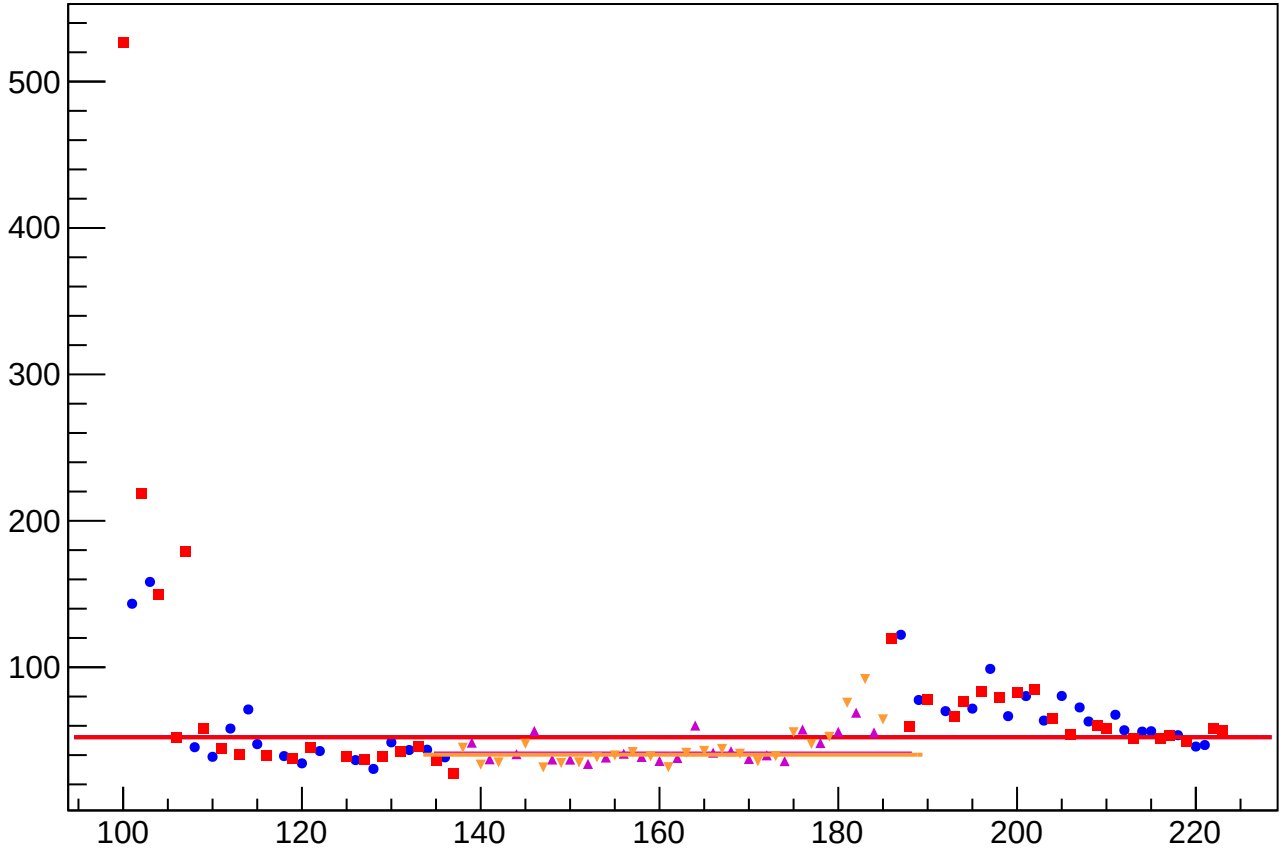
Right: -0.007+/-0.009 χ^2/NDF: 67.4/70

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.003+/-0.008 χ^2/NDF:61.1/60

All: -0.003+/-0.006 χ^2/NDF: 131.3/117

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

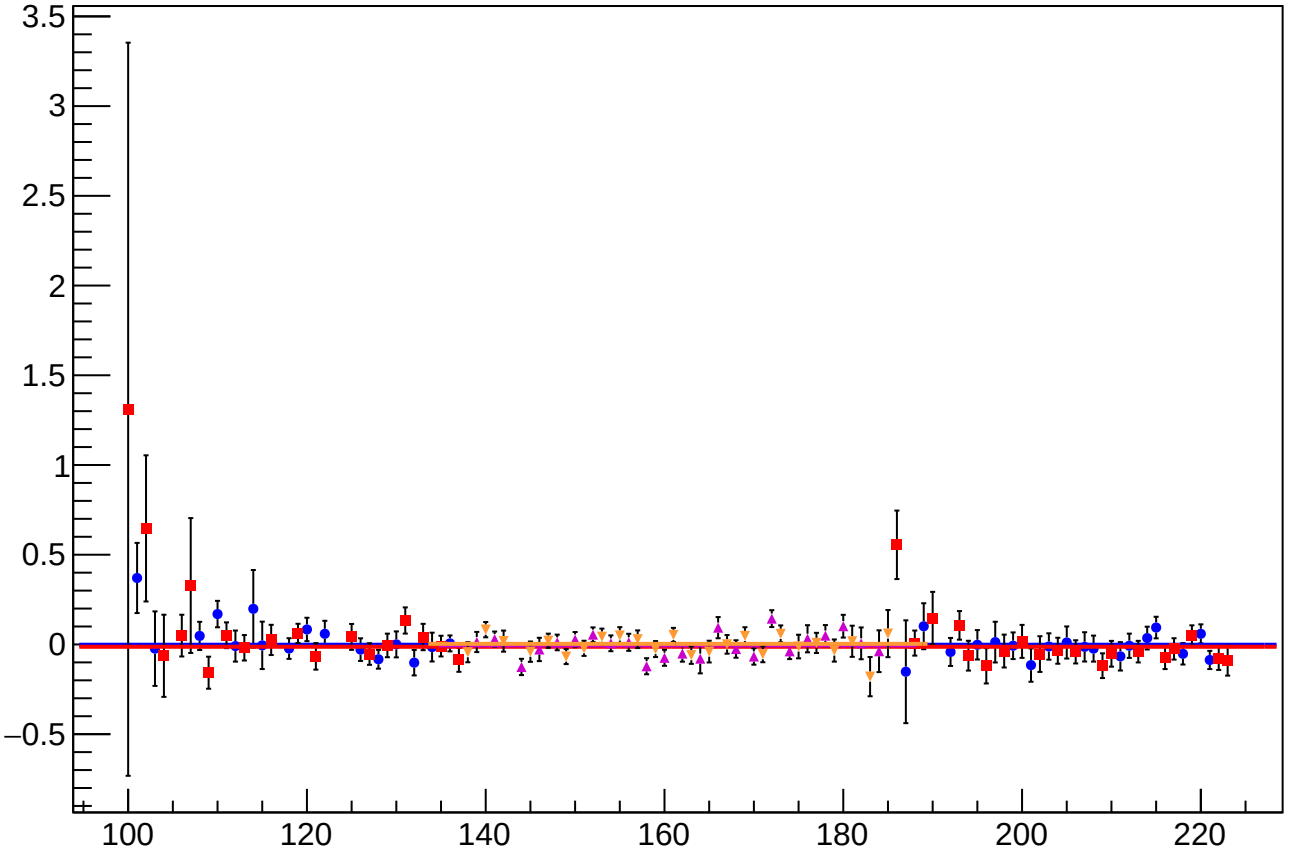
Right: 52.215+/-0.006 χ^2/NDF: 7244403.6/70

In: 45.688+/-0.006 χ^2/NDF:5486191.7/56

Out: 45.071+/-0.006 χ^2/NDF:6158130.7/60

All: 45.377+/-0.004 χ^2/NDF: 11650197.0/117

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

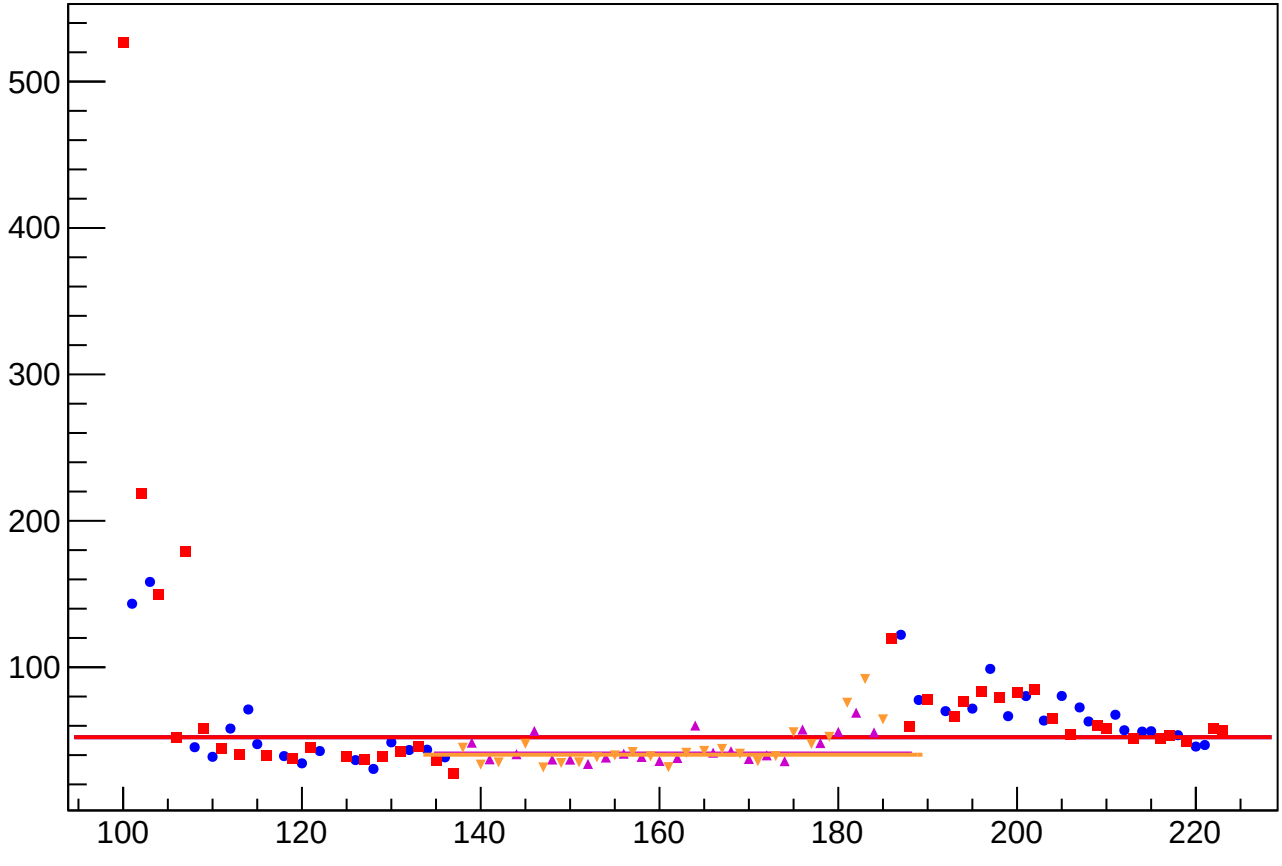
Right: -0.007+/-0.009 χ^2/NDF: 67.4/70

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.003+/-0.008 χ^2/NDF:61.1/60

All: -0.003+/-0.006 χ^2/NDF: 131.3/117

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

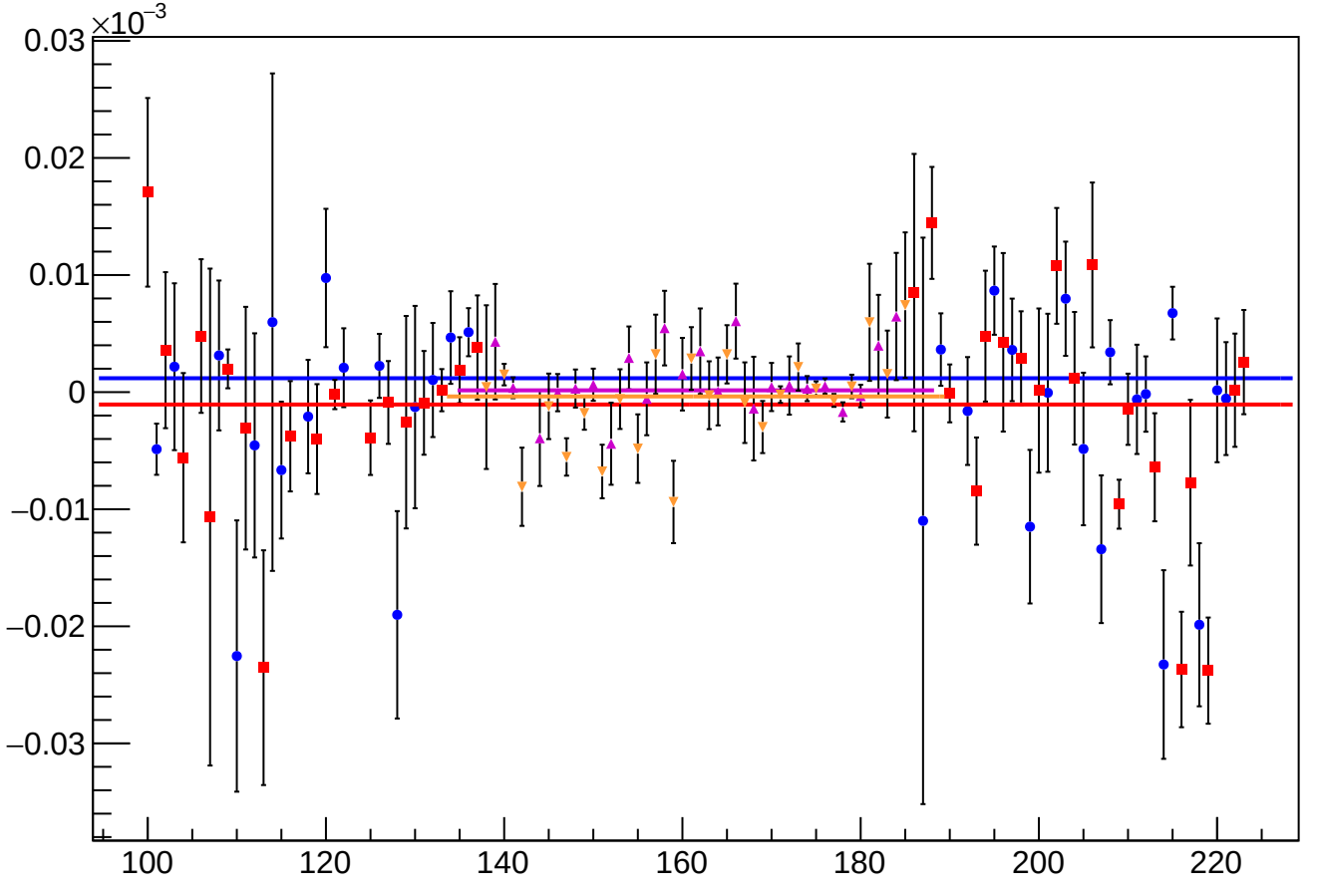
Right: 52.215+/-0.006 χ^2/NDF: 7244403.6/70

In: 45.688+/-0.006 χ^2/NDF:5486191.7/56

Out: 45.071+/-0.006 χ^2/NDF:6158130.7/60

All: 45.377+/-0.004 χ^2/NDF: 11650197.0/117

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

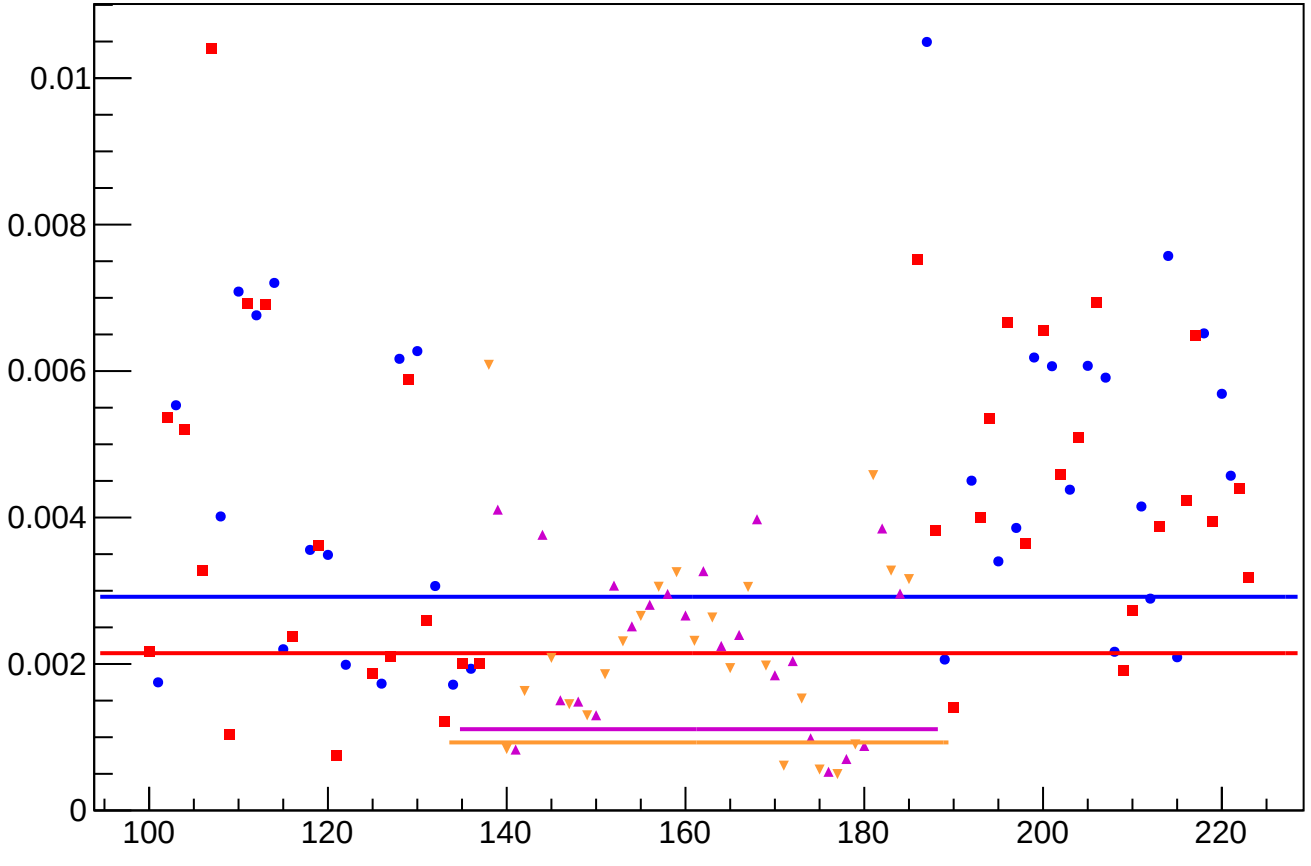
Right: -0.000+/-0.000 χ^2/NDF: 186.9/70

In: 0.000+/-0.000 χ^2/NDF:91.4/56

Out: -0.000+/-0.000 χ^2/NDF:163.5/60

All: -0.000+/-0.000 χ^2/NDF: 259.5/117

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

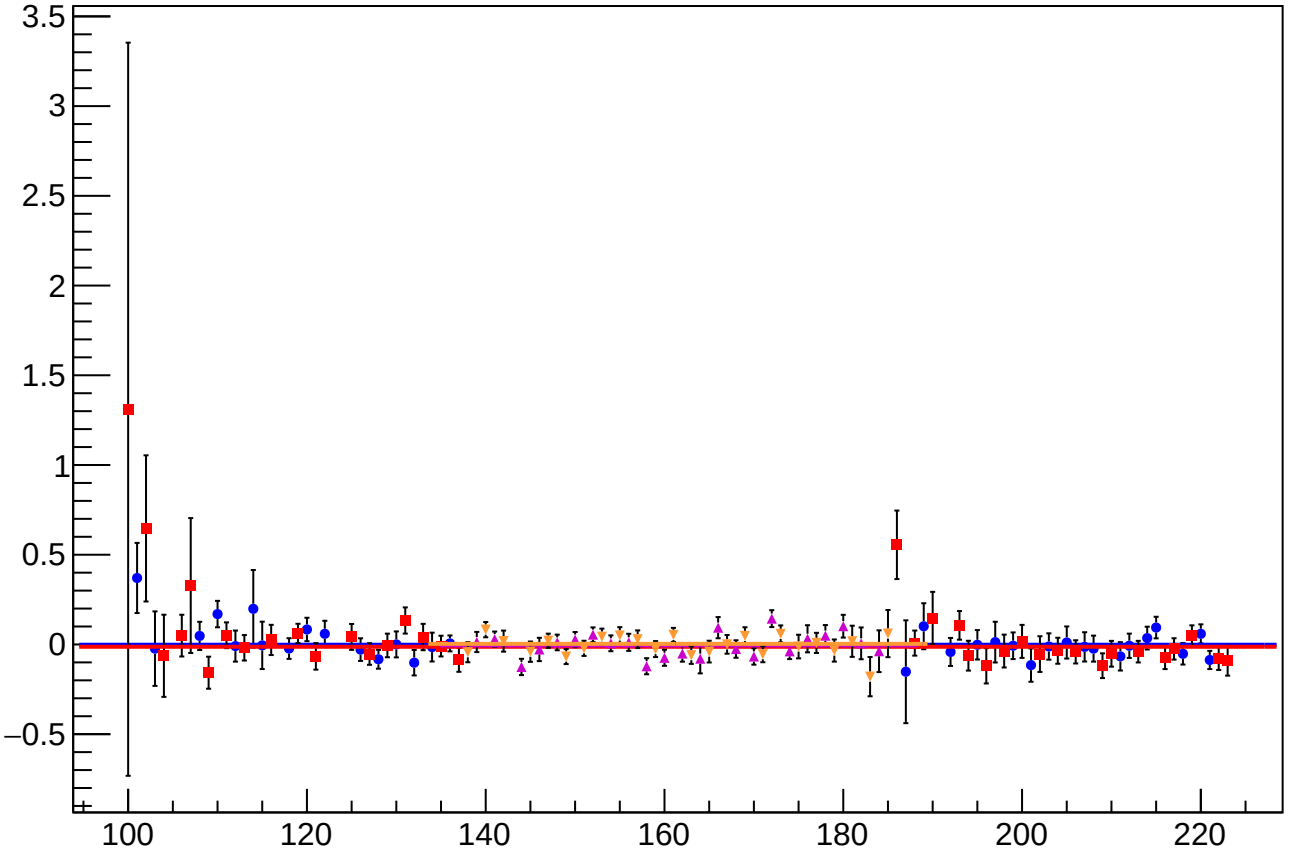
Right: 0.002+/-0.000 χ^2/NDF: 24409128.1/70

In: 0.001+/-0.000 χ^2/NDF:30127529.1/56

Out: 0.001+/-0.000 χ^2/NDF:34261566.8/60

All: 0.001+/-0.000 χ^2/NDF: 65246729.4/117

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

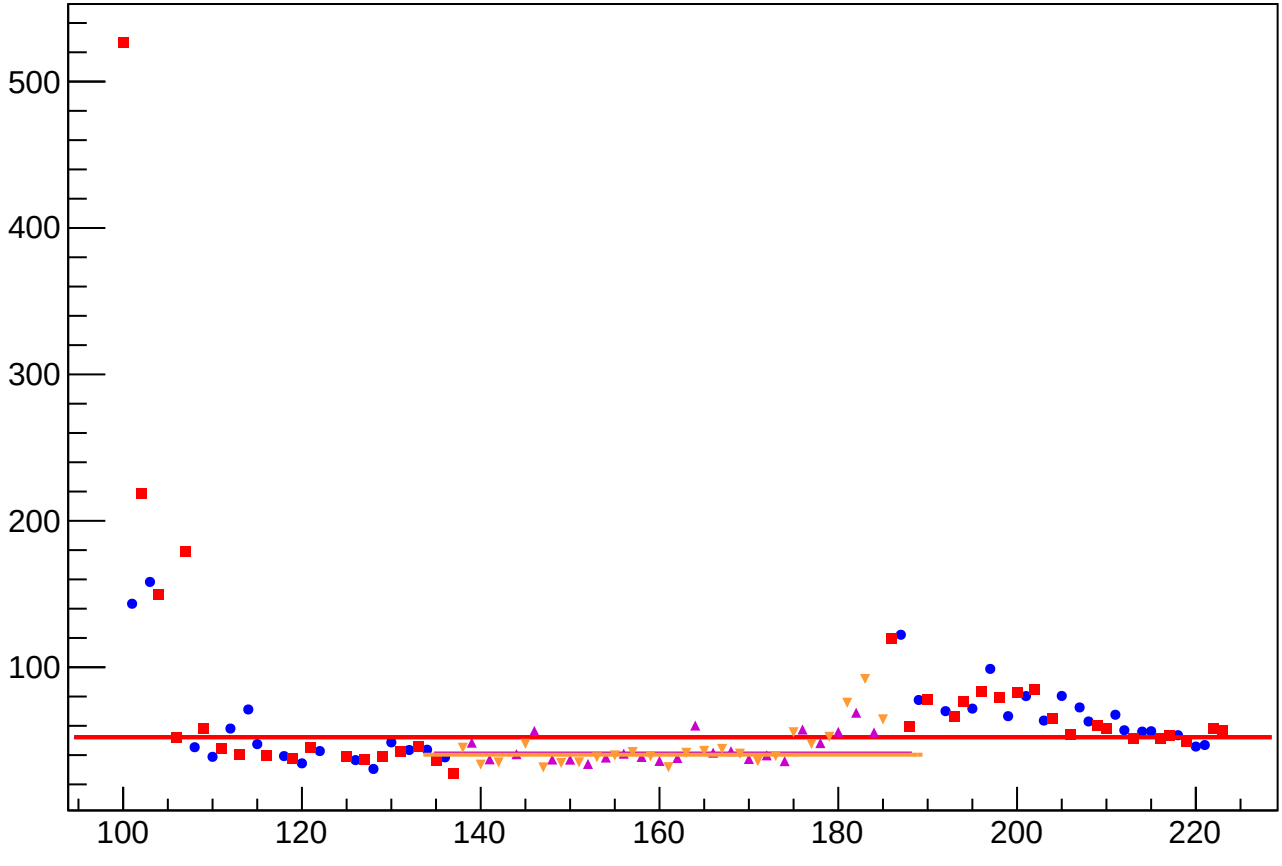
Right: -0.007+/-0.009 χ^2/NDF: 67.4/70

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.003+/-0.008 χ^2/NDF:61.1/60

All: -0.003+/-0.006 χ^2/NDF: 131.3/117

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

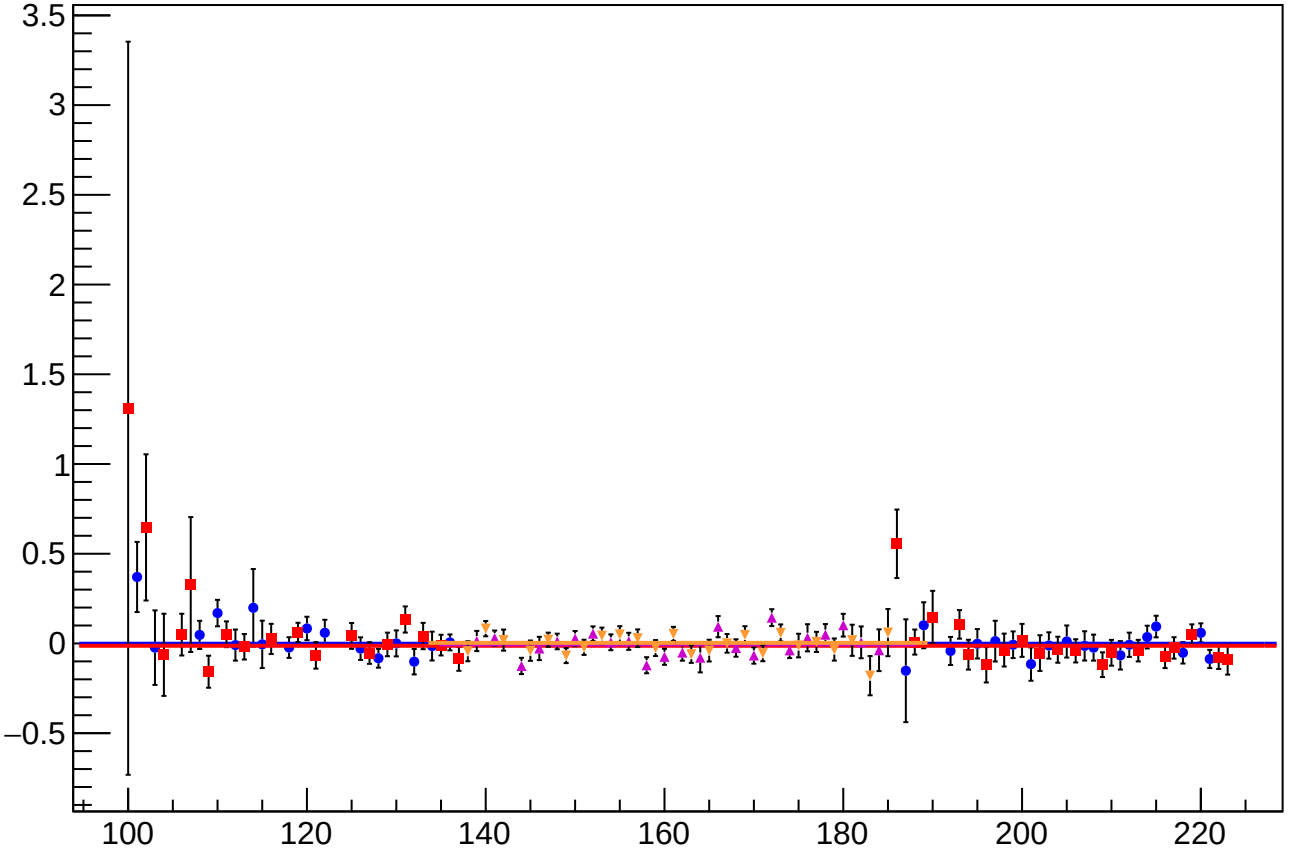
Right: 52.215+/-0.006 χ^2/NDF: 7244987.2/70

In: 45.688+/-0.006 χ^2/NDF:5486619.7/56

Out: 45.071+/-0.006 χ^2/NDF:6158142.0/60

All: 45.377+/-0.004 χ^2/NDF: 11650621.9/117

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

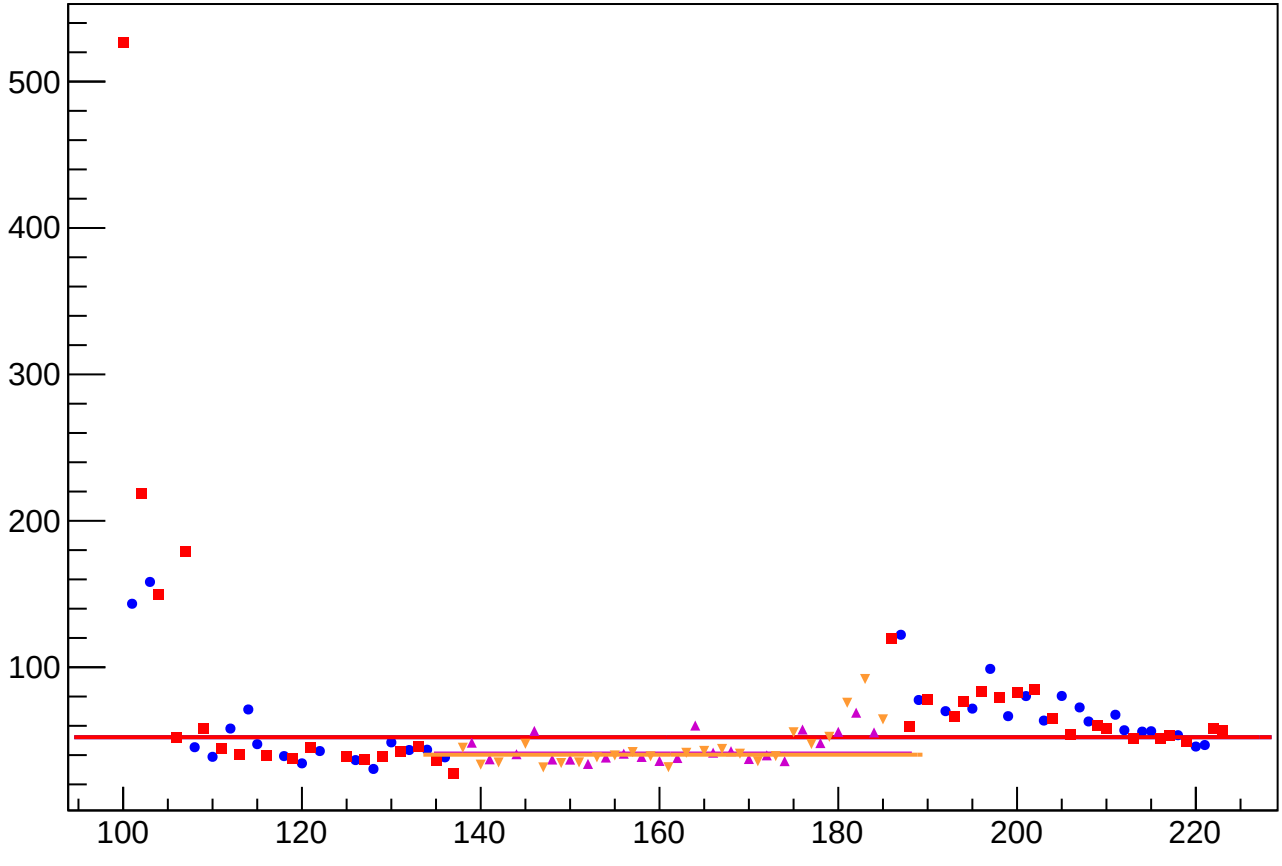
Right: -0.007+/-0.009 χ^2/NDF: 67.4/70

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.003+/-0.008 χ^2/NDF:61.1/60

All: -0.003+/-0.006 χ^2/NDF: 131.3/117

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

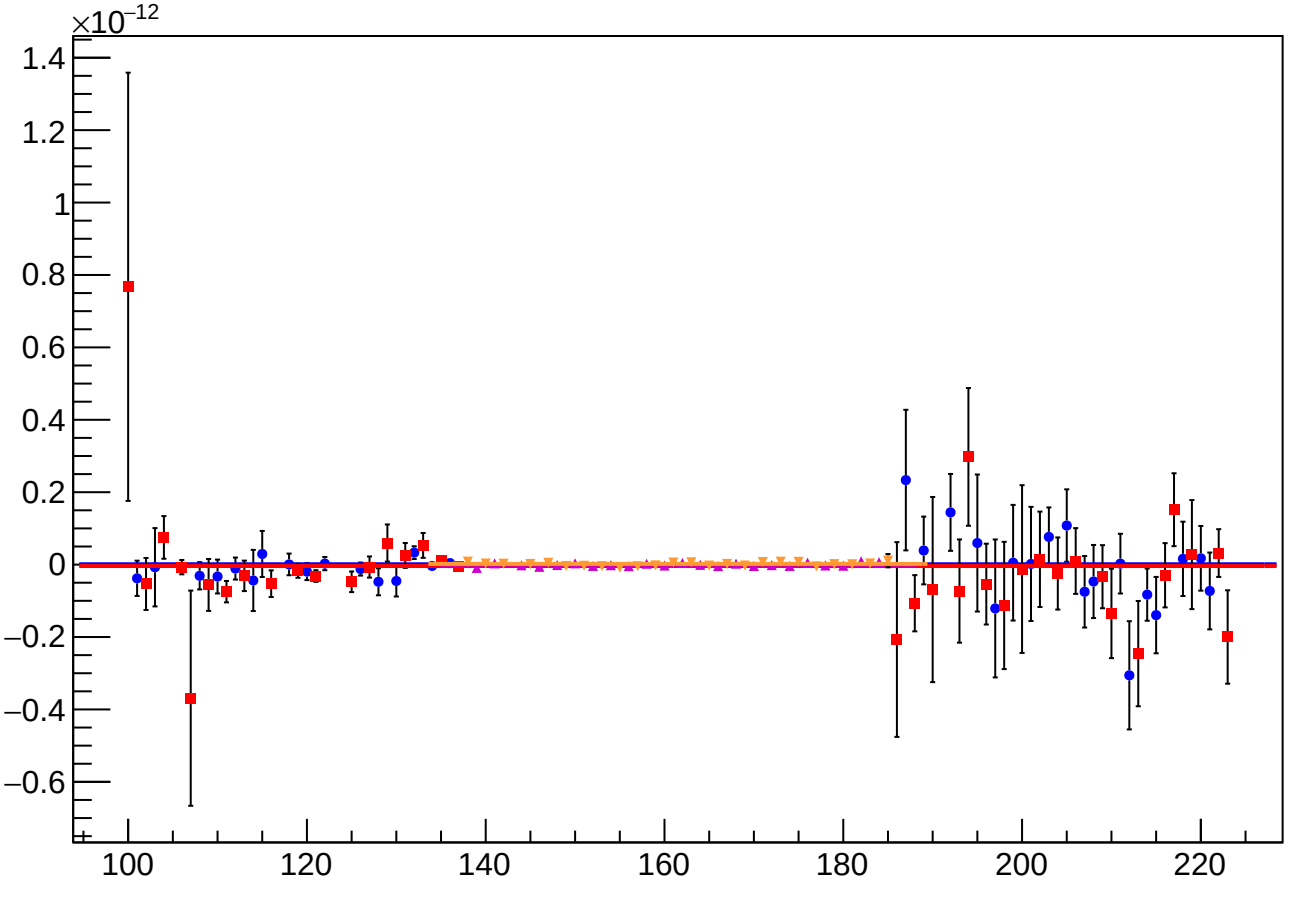
Right: 52.215+/-0.006 χ^2/NDF: 7244987.2/70

In: 45.688+/-0.006 χ^2/NDF:5486619.7/56

Out: 45.071+/-0.006 χ^2/NDF:6158142.0/60

All: 45.377+/-0.004 χ^2/NDF: 11650621.9/117

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

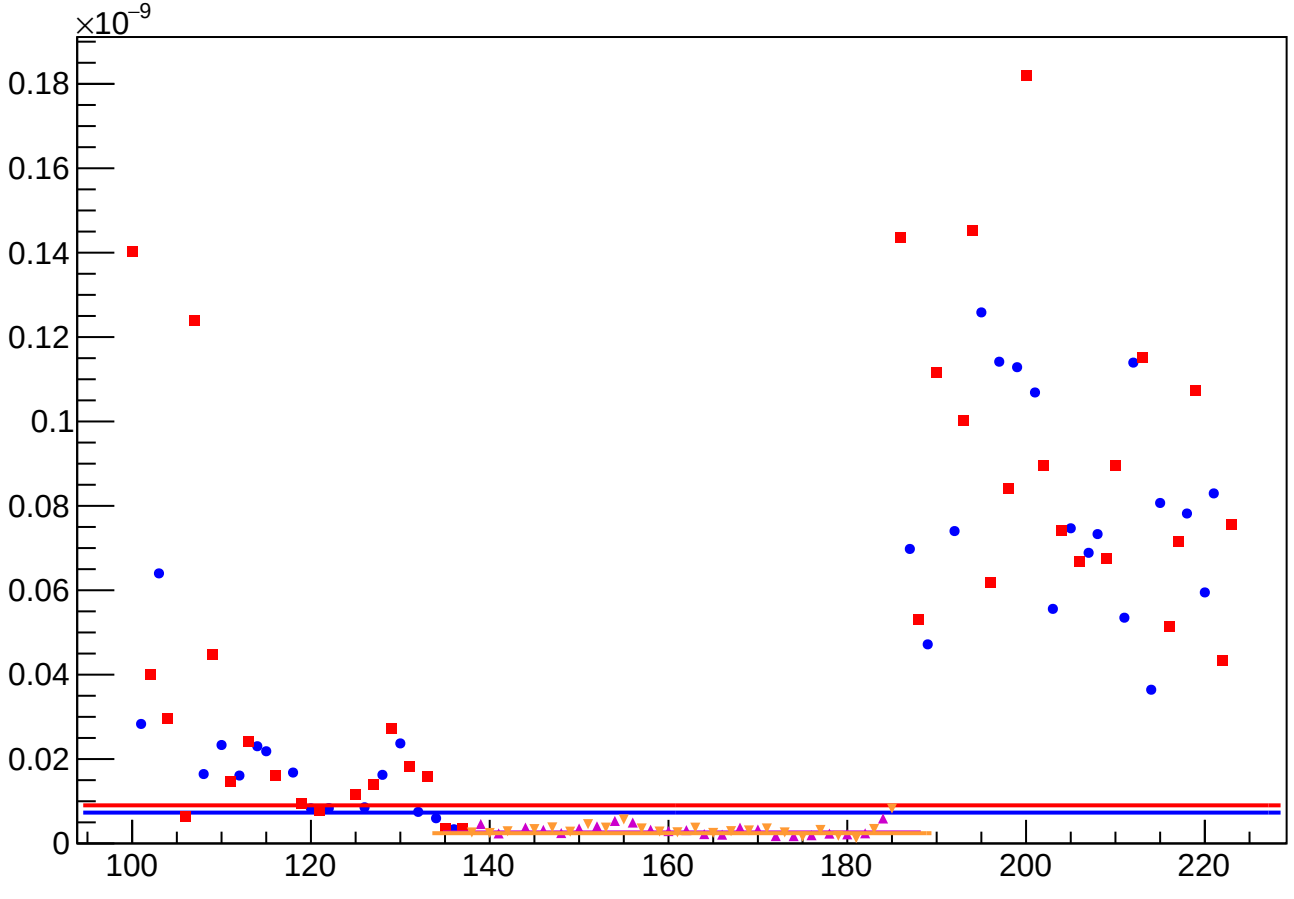
Right: -0.000+/-0.000 χ^2/NDF: 69.6/70

In: -0.000+/-0.000 χ^2/NDF:48.4/56

Out: 0.000+/-0.000 χ^2/NDF:70.5/60

All: 0.000+/-0.000 χ^2/NDF: 122.2/117

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

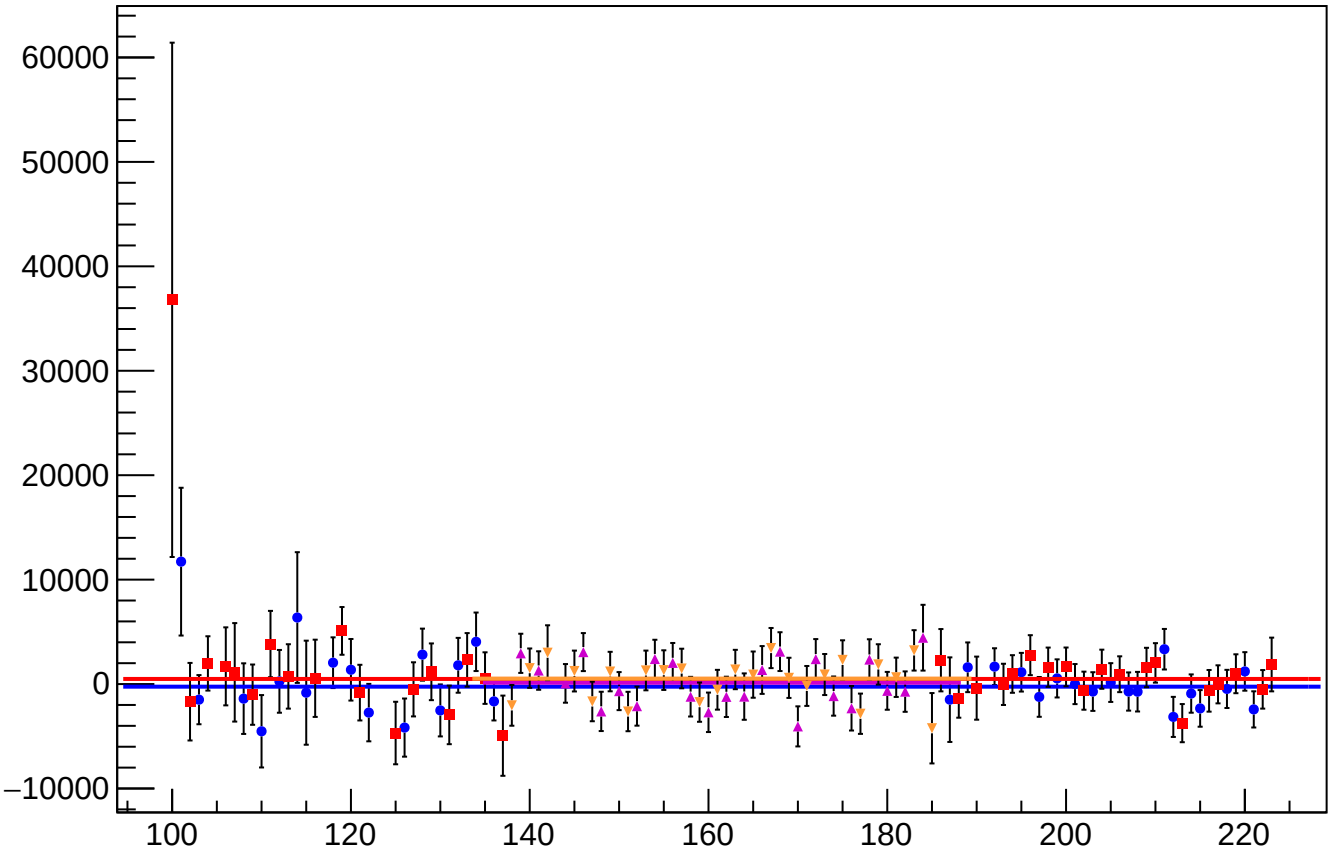
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 34831662.8/70

In: 0.000+/-0.000 χ^2/NDF:21613085.4/56

Out: 0.000+/-0.000 χ^2/NDF:24486422.6/60

All: 0.000+/-0.000 χ^2/NDF: 46168156.1/117



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

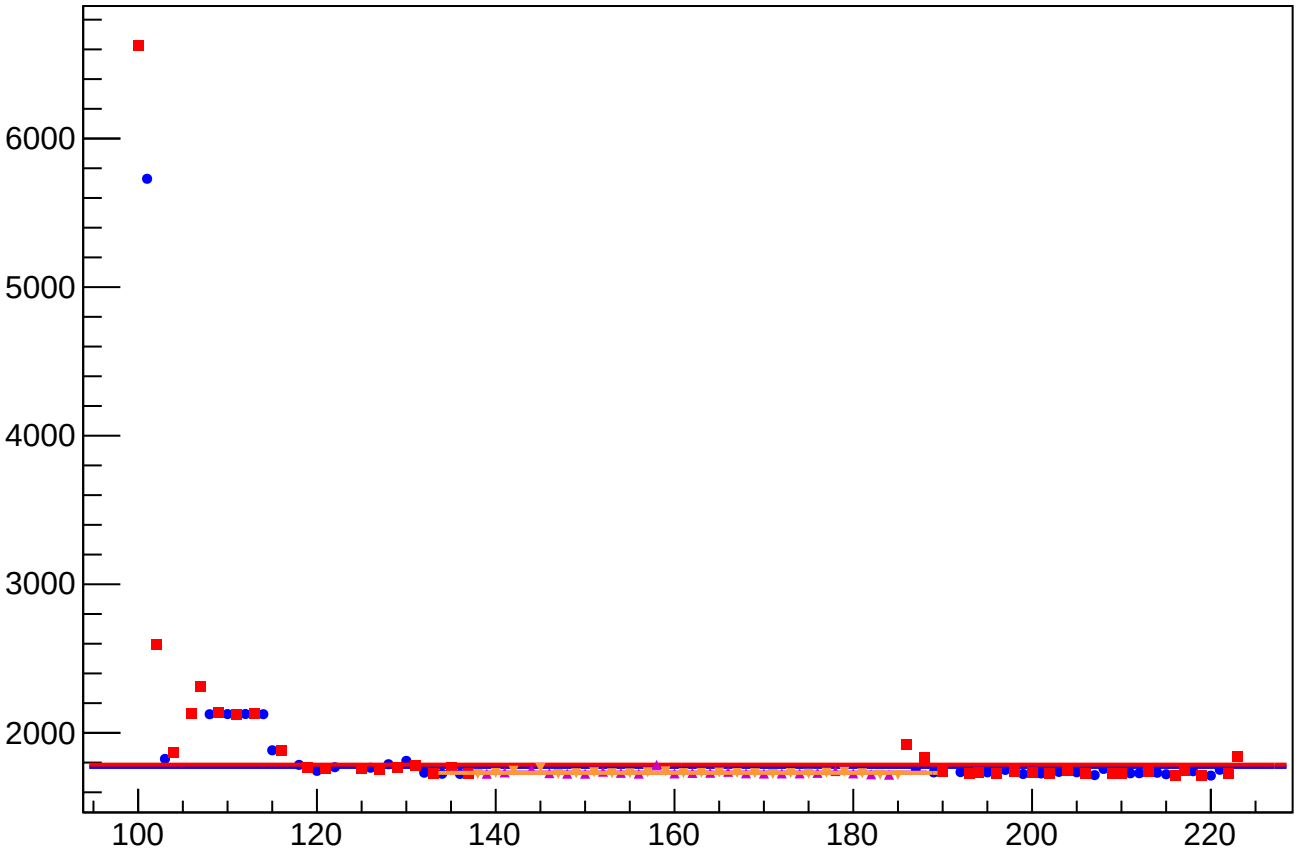
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 121.581+/-268.236 χ^2/NDF: 58.0/70

In: -73.492+/-276.928 χ^2/NDF:58.3/56

Out: 504.412+/-275.621 χ^2/NDF:48.5/60

All: 216.827+/-195.354 χ^2/NDF: 109.0/117



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

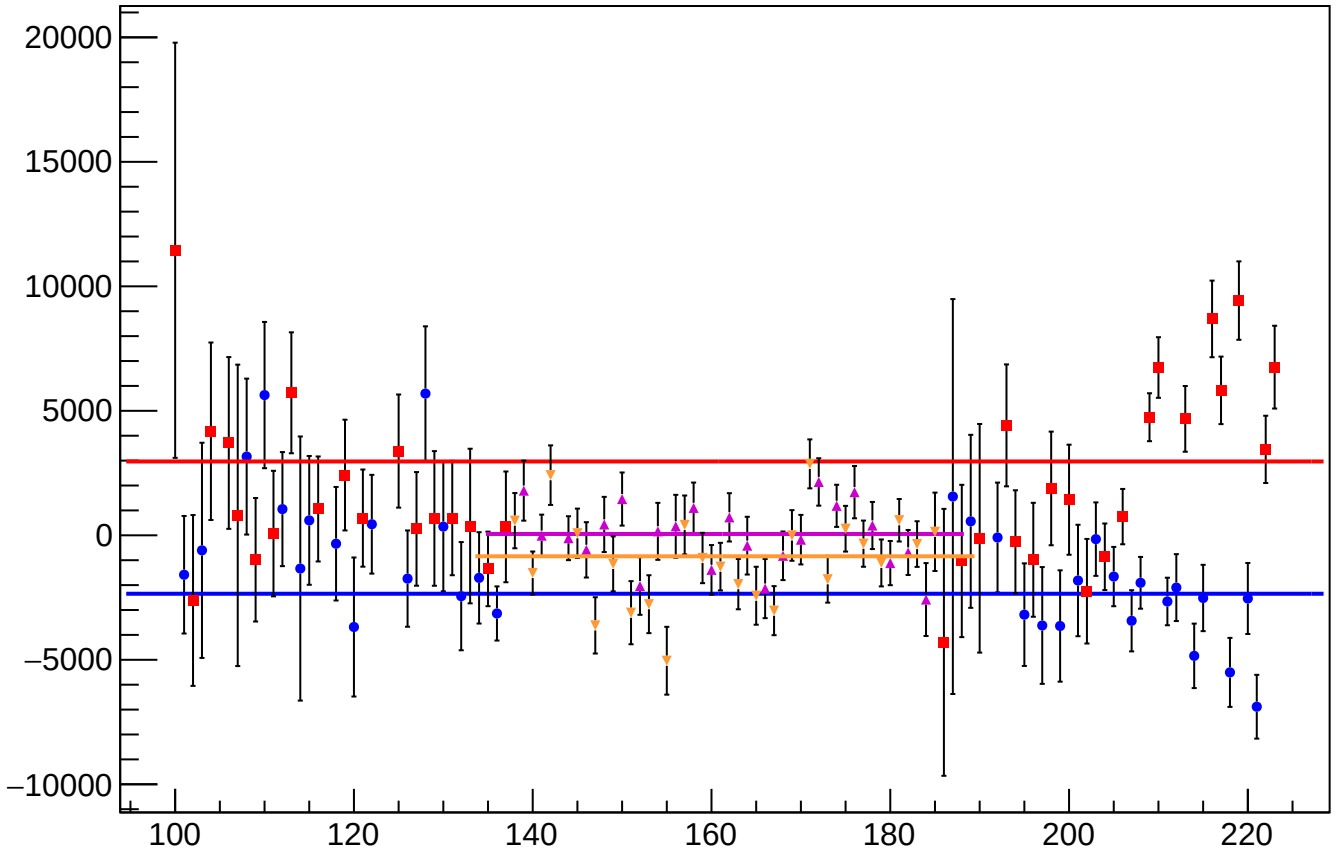
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1778.483+/-0.190 χ^2/NDF: 1056658.1/70

In: 1753.092+/-0.196 χ^2/NDF:735699.6/56

Out: 1760.109+/-0.195 χ^2/NDF:351850.6/60

All: 1756.617+/-0.138 χ^2/NDF: 1088195.2/11



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

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

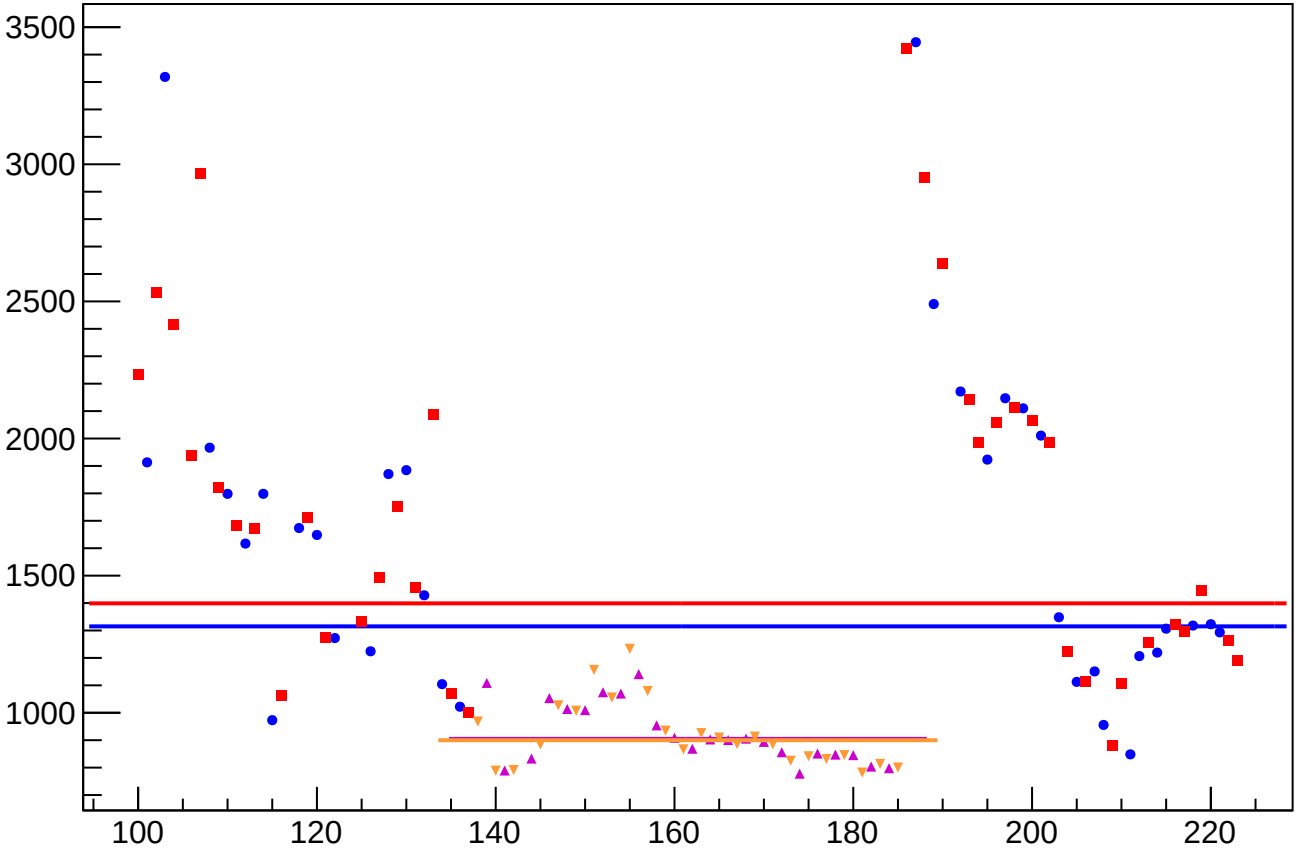
Right: 152.108+/-213.559 χ^2/NDF: 318.9/70

In: -774.352+/-172.358 χ^2/NDF:130.4/56

Out: 354.844+/-174.592 χ^2/NDF:274.1/60

All: -217.024+/-122.658 χ^2/NDF: 425.7/117

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



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

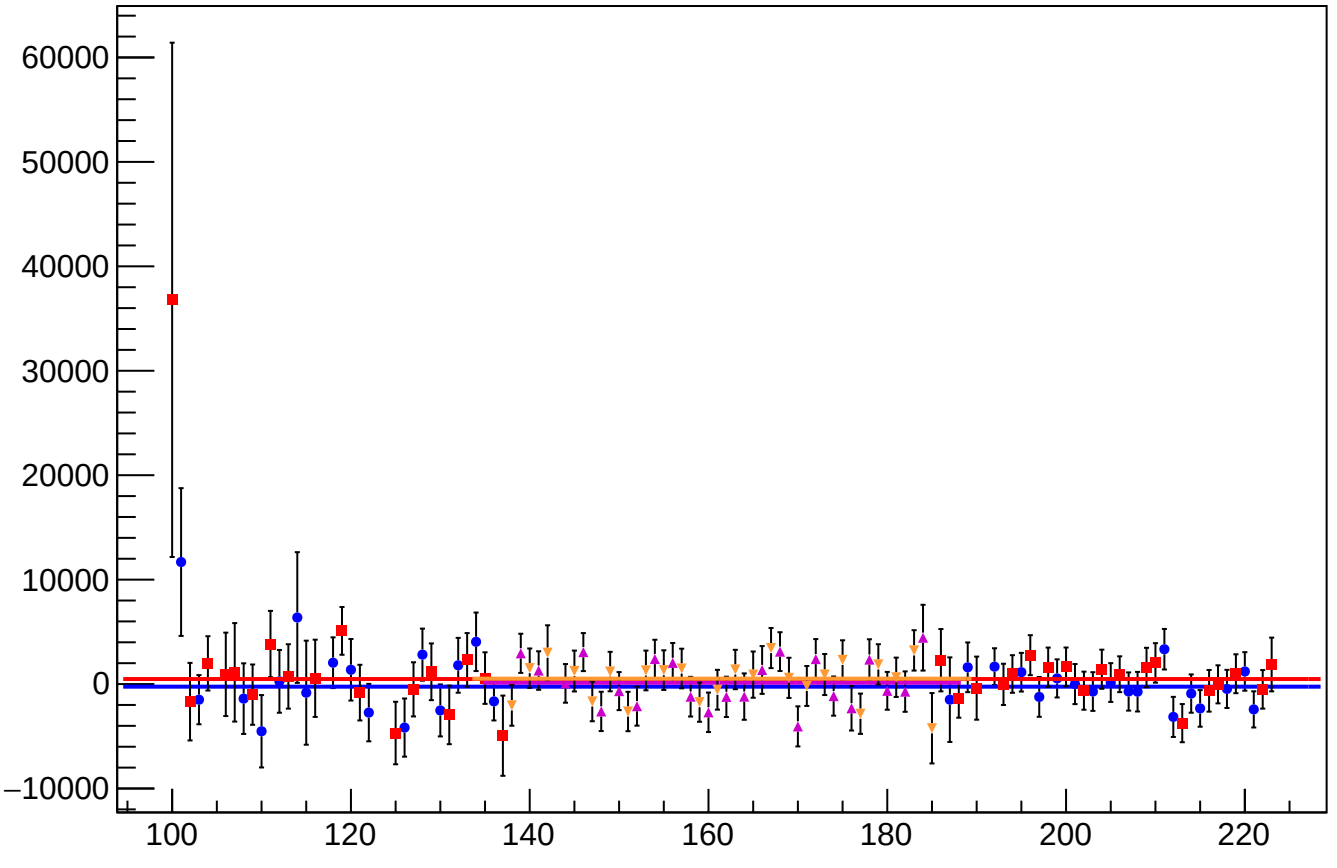
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1354.509+/-0.151 χ^2/NDF: 7719538.6/70

In: 1046.241+/-0.122 χ^2/NDF:6623123.4/56

Out: 1056.722+/-0.123 χ^2/NDF:8052614.7/60

All: 1051.414+/-0.087 χ^2/NDF: 14679387.9/1



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

Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

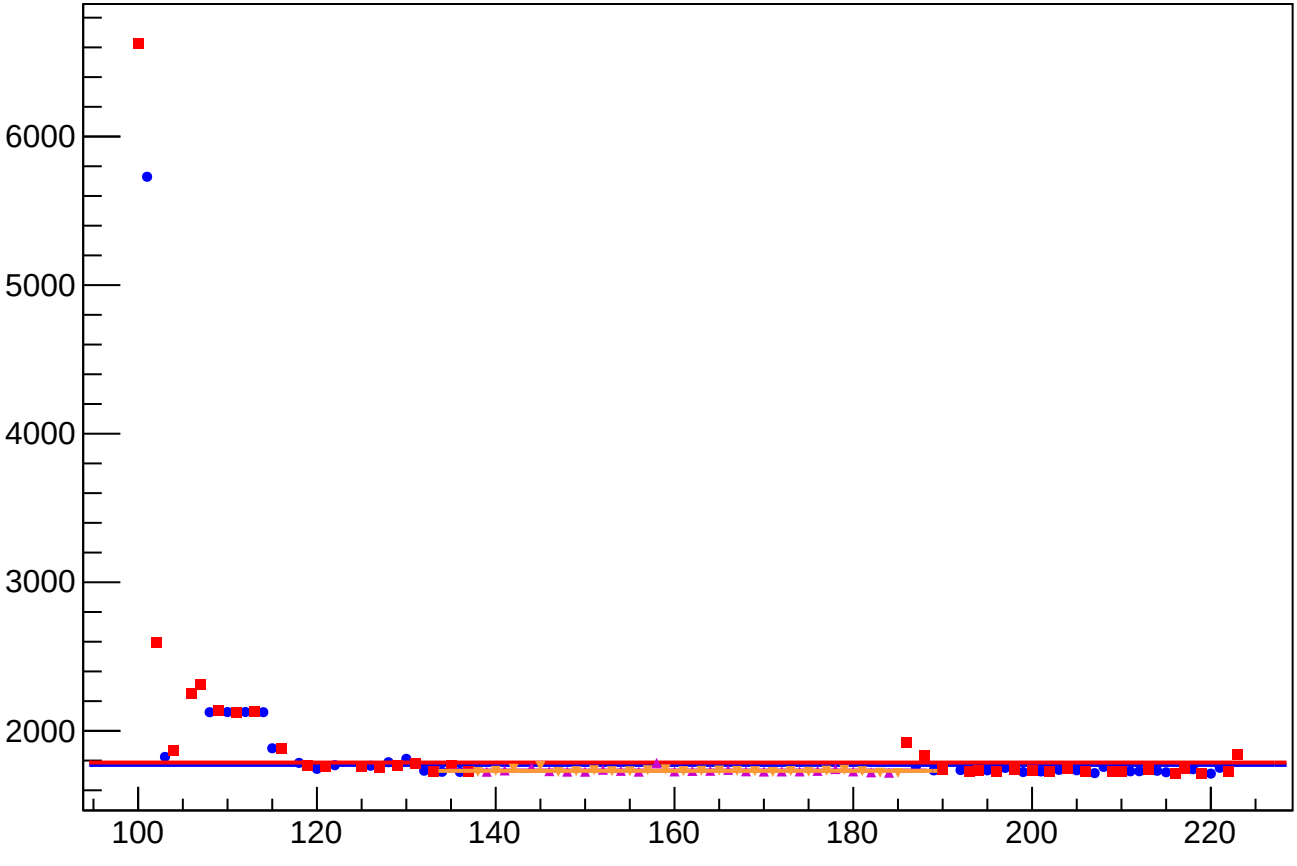
Right: 117.016+/-268.322 χ^2/NDF: 57.9/70

In: -73.617+/-276.928 χ^2/NDF:58.3/56

Out: 500.018+/-275.715 χ^2/NDF:48.4/60

All: 214.460+/-195.387 χ^2/NDF: 108.9/117

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



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

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

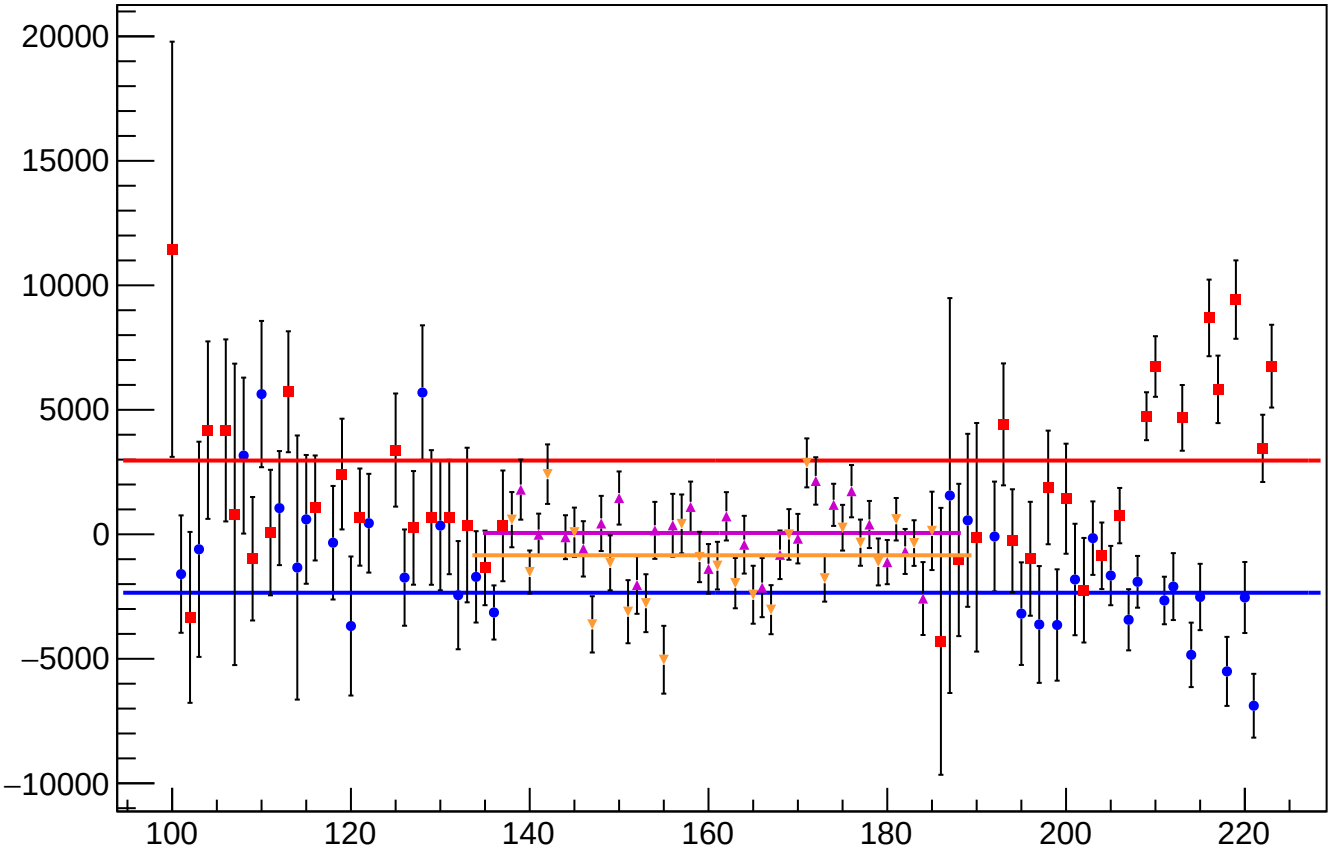
Right: 1778.780+/-0.190 χ^2/NDF: 1066468.9/70

In: 1753.092+/-0.196 χ^2/NDF:735699.4/56

Out: 1760.411+/-0.195 χ^2/NDF:361959.4/60

All: 1756.767+/-0.138 χ^2/NDF: 1098360.3/11

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

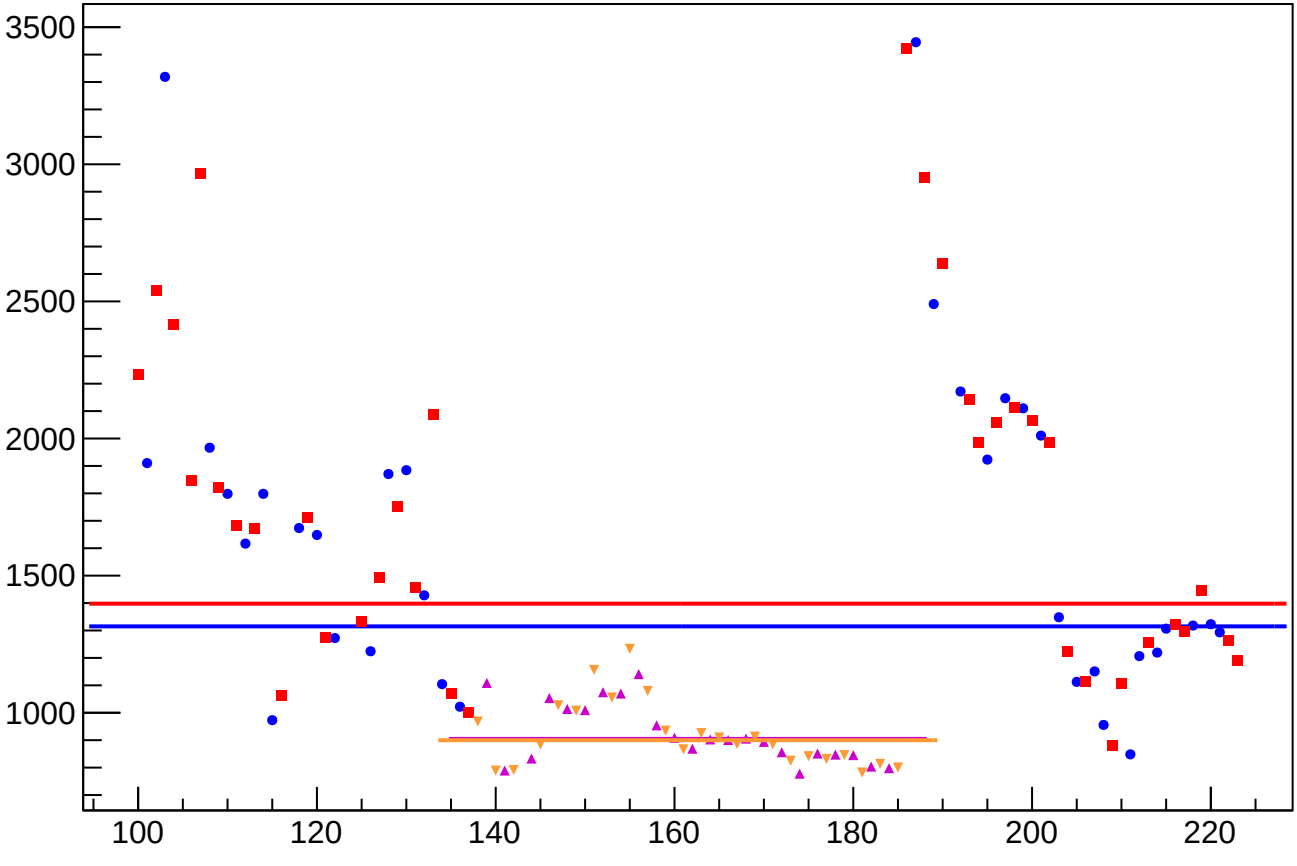
Right: 149.252+/-213.601 χ^2/NDF: 319.5/70

In: -774.421+/-172.356 χ^2/NDF:130.4/56

Out: 353.076+/-174.617 χ^2/NDF:274.6/60

All: -218.017+/-122.666 χ^2/NDF: 426.2/117

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



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

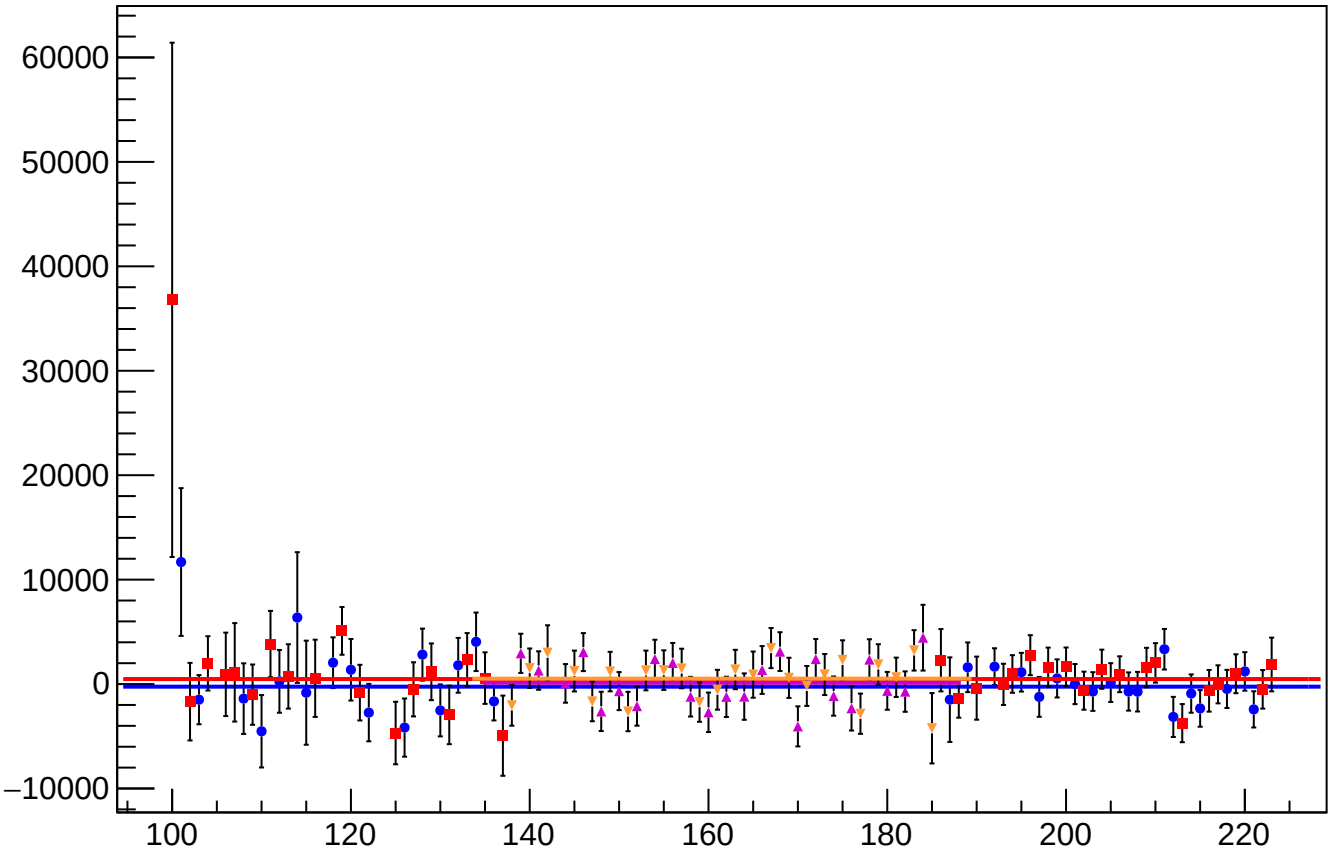
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1353.948+/-0.151 χ^2/NDF: 7699715.9/70

In: 1046.236+/-0.122 χ^2/NDF:6622337.6/56

Out: 1056.273+/-0.123 χ^2/NDF:8017347.1/60

All: 1051.189+/-0.087 χ^2/NDF: 14643031.8/1



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

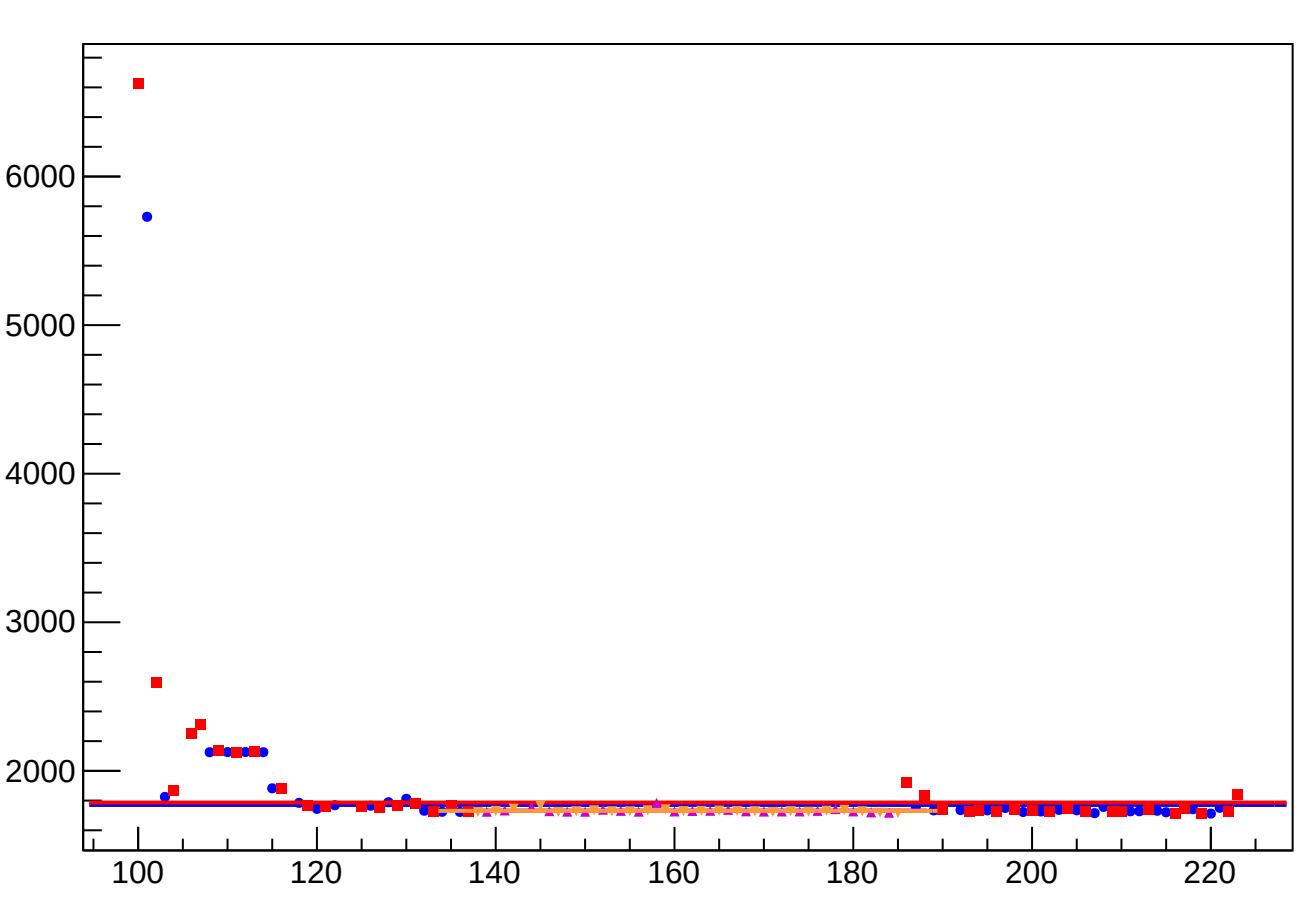
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 117.016+/-268.322 χ^2/NDF: 57.9/70

In: -73.617+/-276.928 χ^2/NDF:58.3/56

Out: 500.018+/-275.715 χ^2/NDF:48.4/60

All: 214.460+/-195.387 χ^2/NDF: 108.9/117



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

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

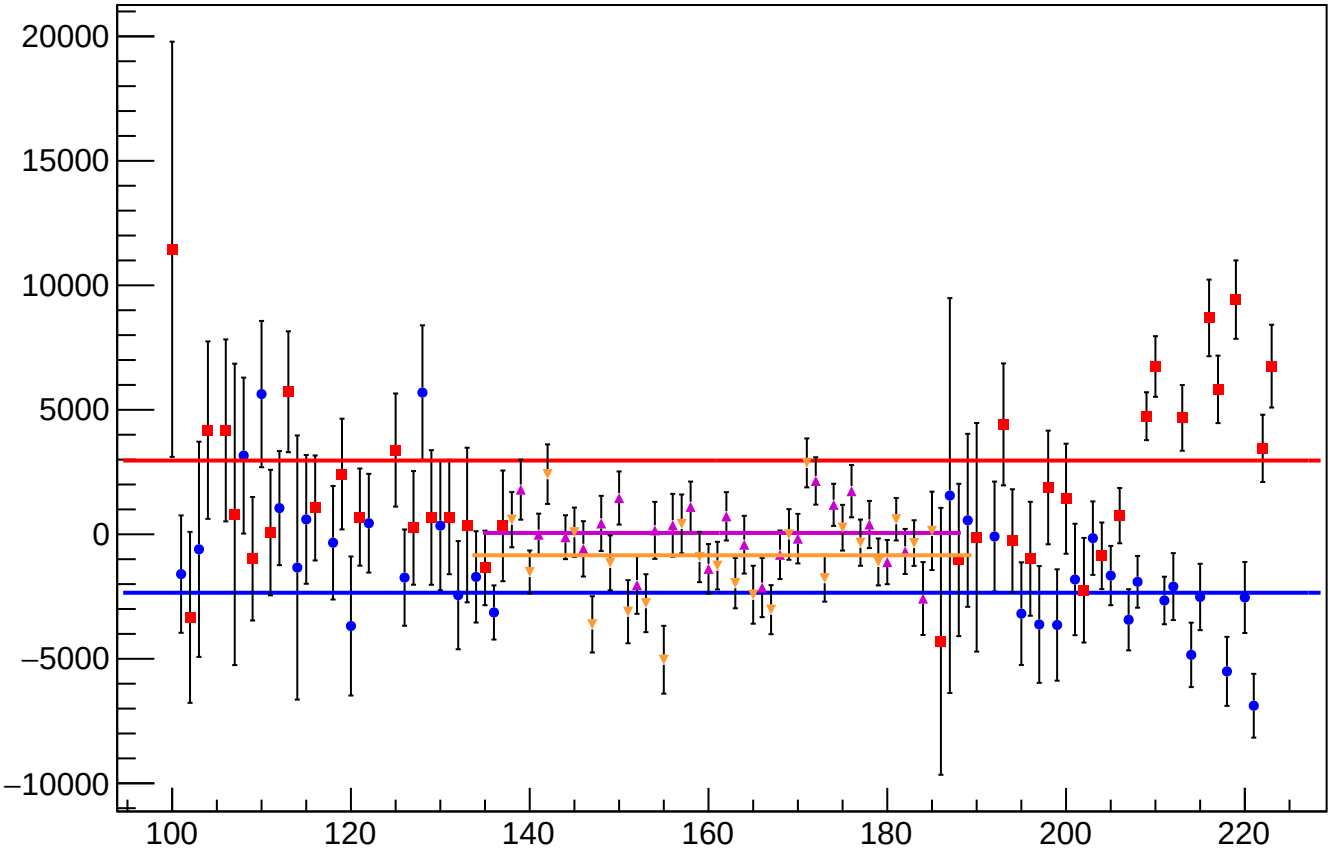
Right: 1778.780+/-0.190 χ^2/NDF: 1066468.9/70

In: 1753.092+/-0.196 χ^2/NDF:735699.4/56

Out: 1760.411+/-0.195 χ^2/NDF:361959.4/60

All: 1756.767+/-0.138 χ^2/NDF: 1098360.3/11

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

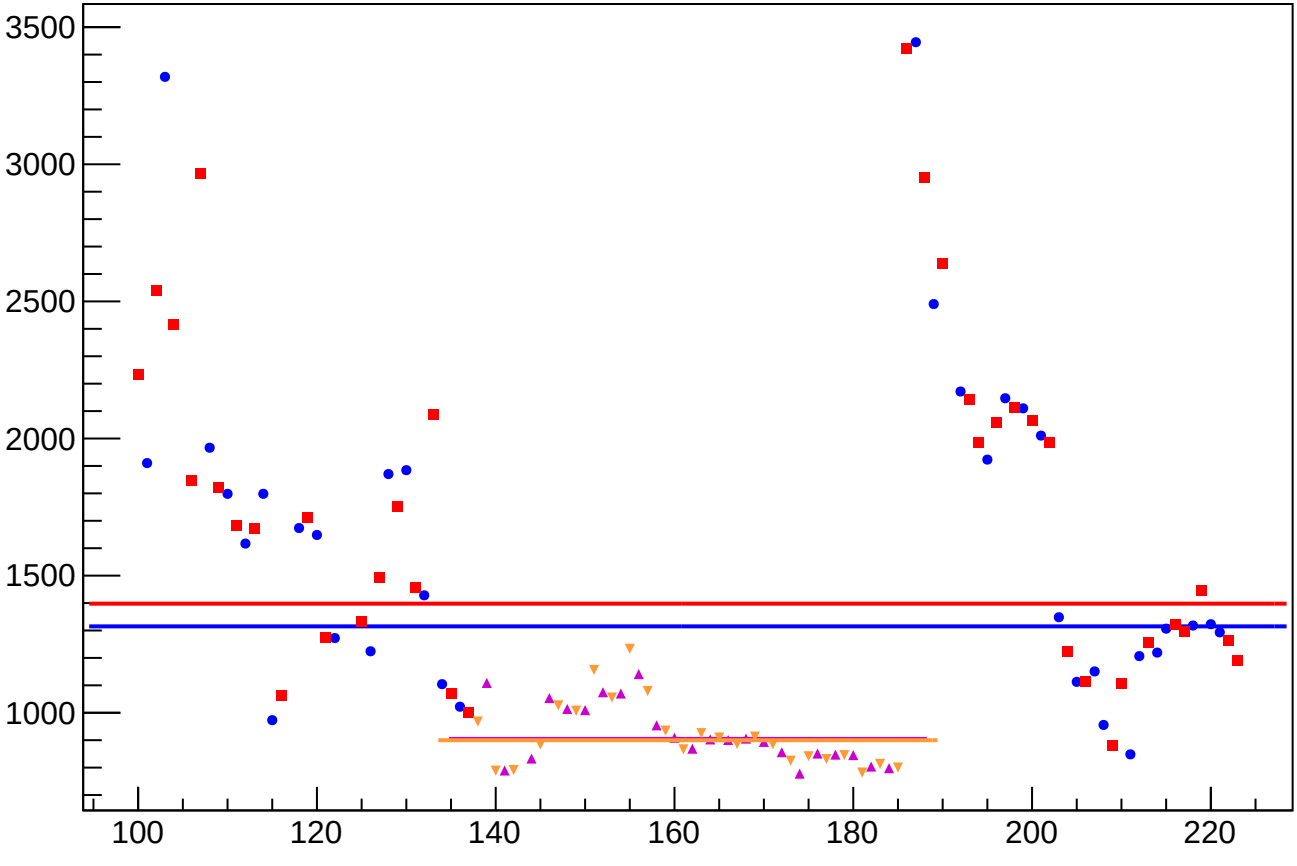
Right: 149.252+/-213.601 χ^2/NDF: 319.5/70

In: -774.421+/-172.356 χ^2/NDF:130.4/56

Out: 353.076+/-174.617 χ^2/NDF:274.6/60

All: -218.017+/-122.666 χ^2/NDF: 426.2/117

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

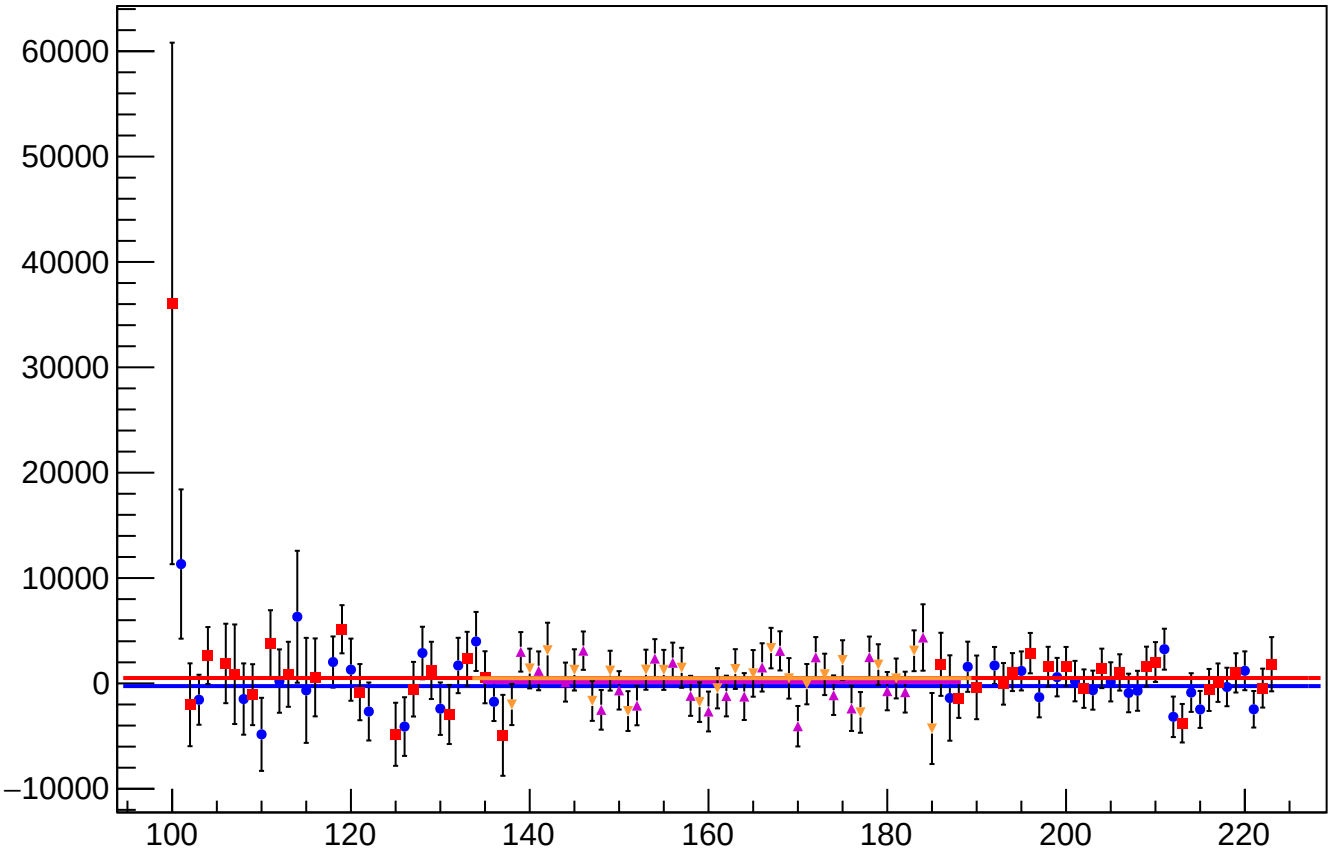
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1353.948+/-0.151 χ^2/NDF: 7699715.9/70

In: 1046.236+/-0.122 χ^2/NDF:6622337.6/56

Out: 1056.273+/-0.123 χ^2/NDF:8017347.1/60

All: 1051.189+/-0.087 χ^2/NDF: 14643031.8/1



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

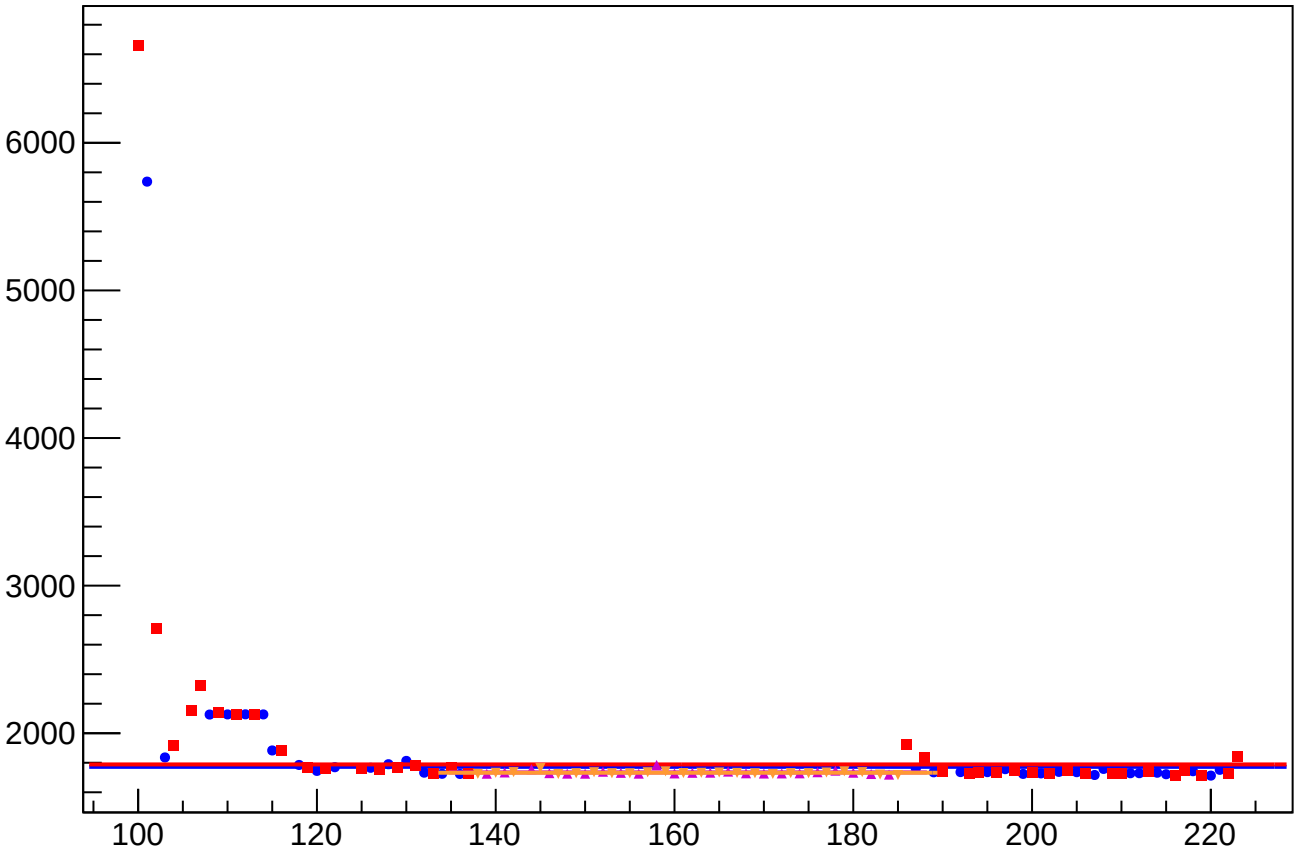
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 129.874+/-268.679 χ^2/NDF: 58.7/70

In: -71.415+/-277.181 χ^2/NDF:58.5/56

Out: 505.069+/-276.084 χ^2/NDF:48.3/60

All: 217.970+/-195.608 χ^2/NDF: 109.0/117



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

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

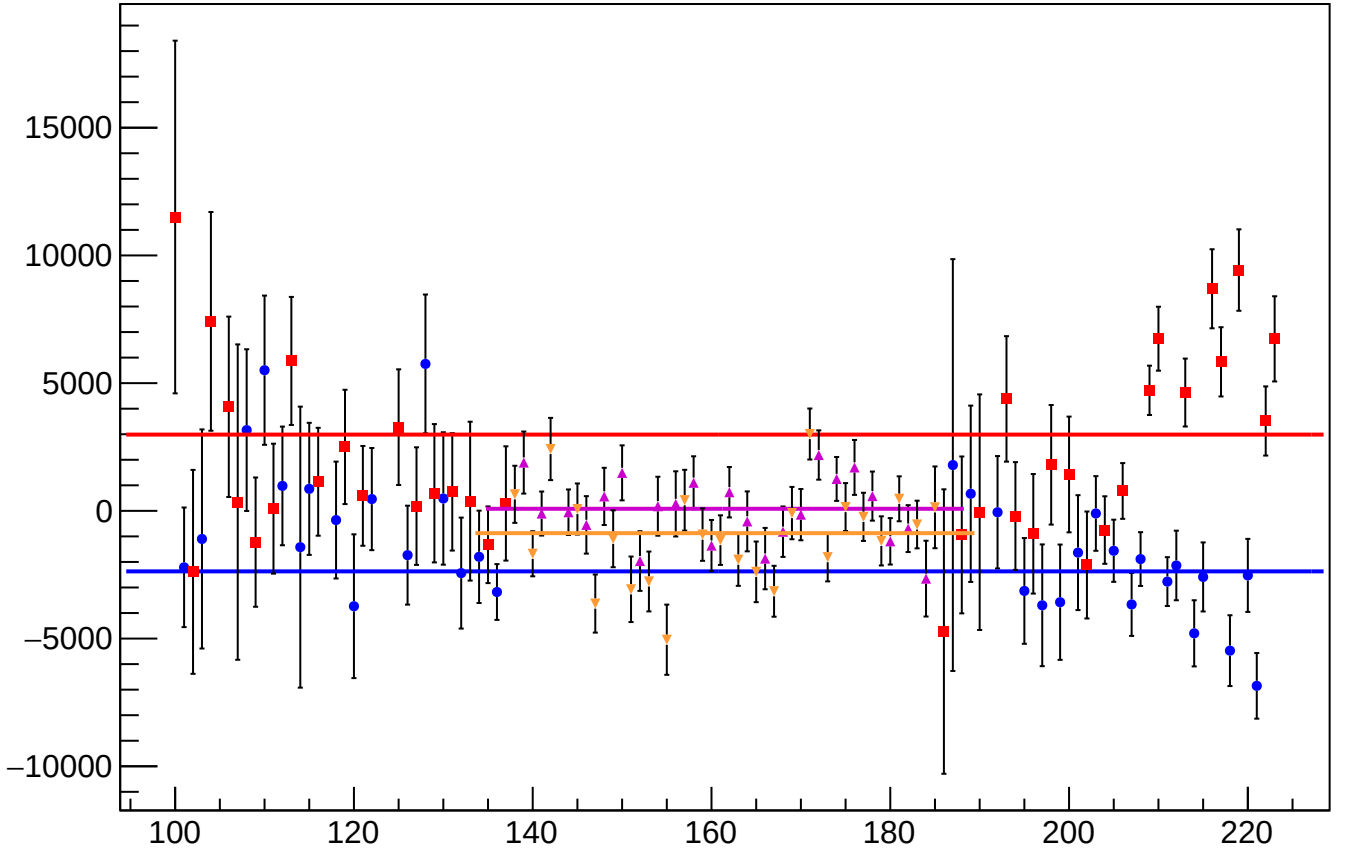
Right: 1780.523+/-0.190 χ^2/NDF: 1078275.9/70

In: 1754.643+/-0.196 χ^2/NDF:736272.2/56

Out: 1762.147+/-0.195 χ^2/NDF:373249.3/60

All: 1758.410+/-0.138 χ^2/NDF: 1110257.5/11

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



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

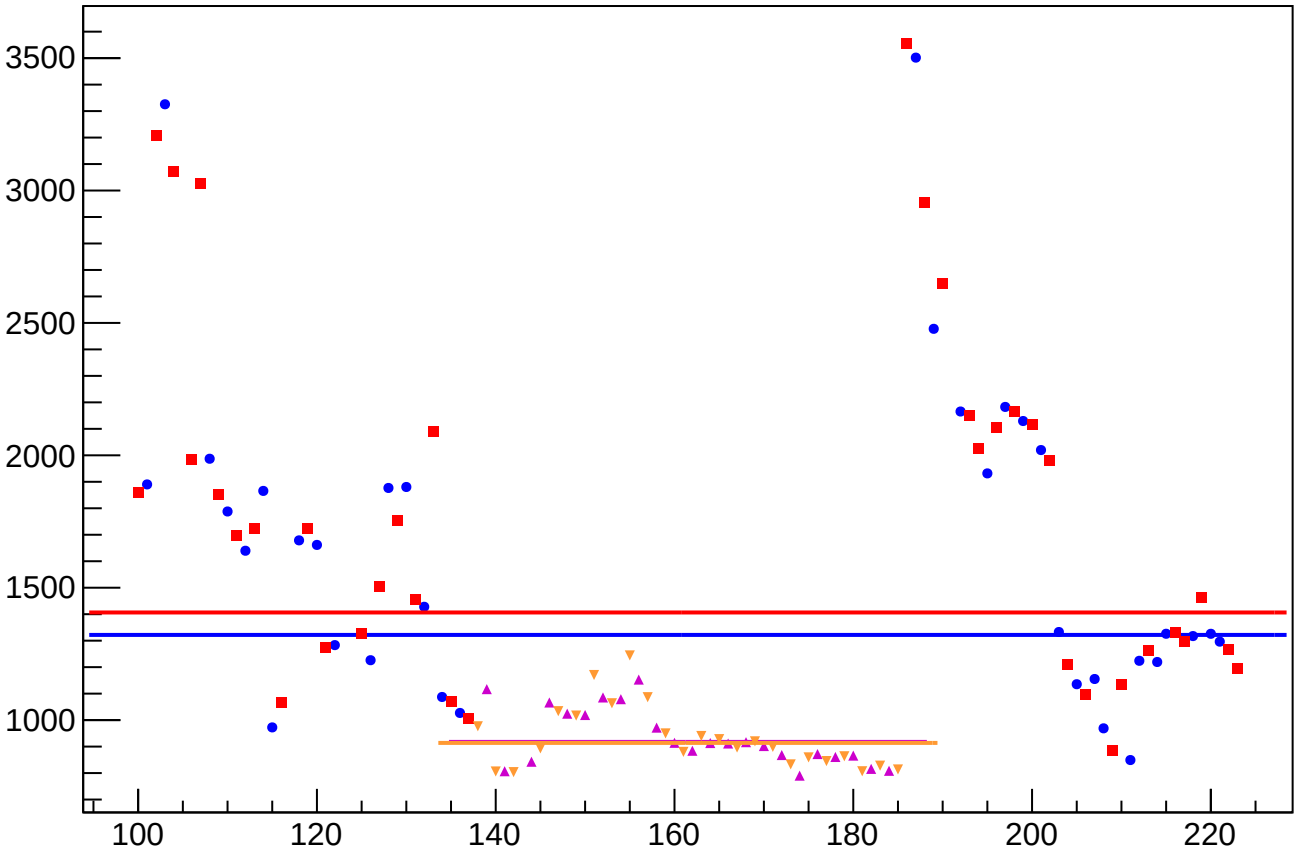
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 144.028+/-214.814 χ^2/NDF: 318.2/70

In: -773.743+/-174.206 χ^2/NDF:131.0/56

Out: 353.334+/-176.765 χ^2/NDF:272.7/60

All: -218.422+/-124.077 χ^2/NDF: 424.3/117



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

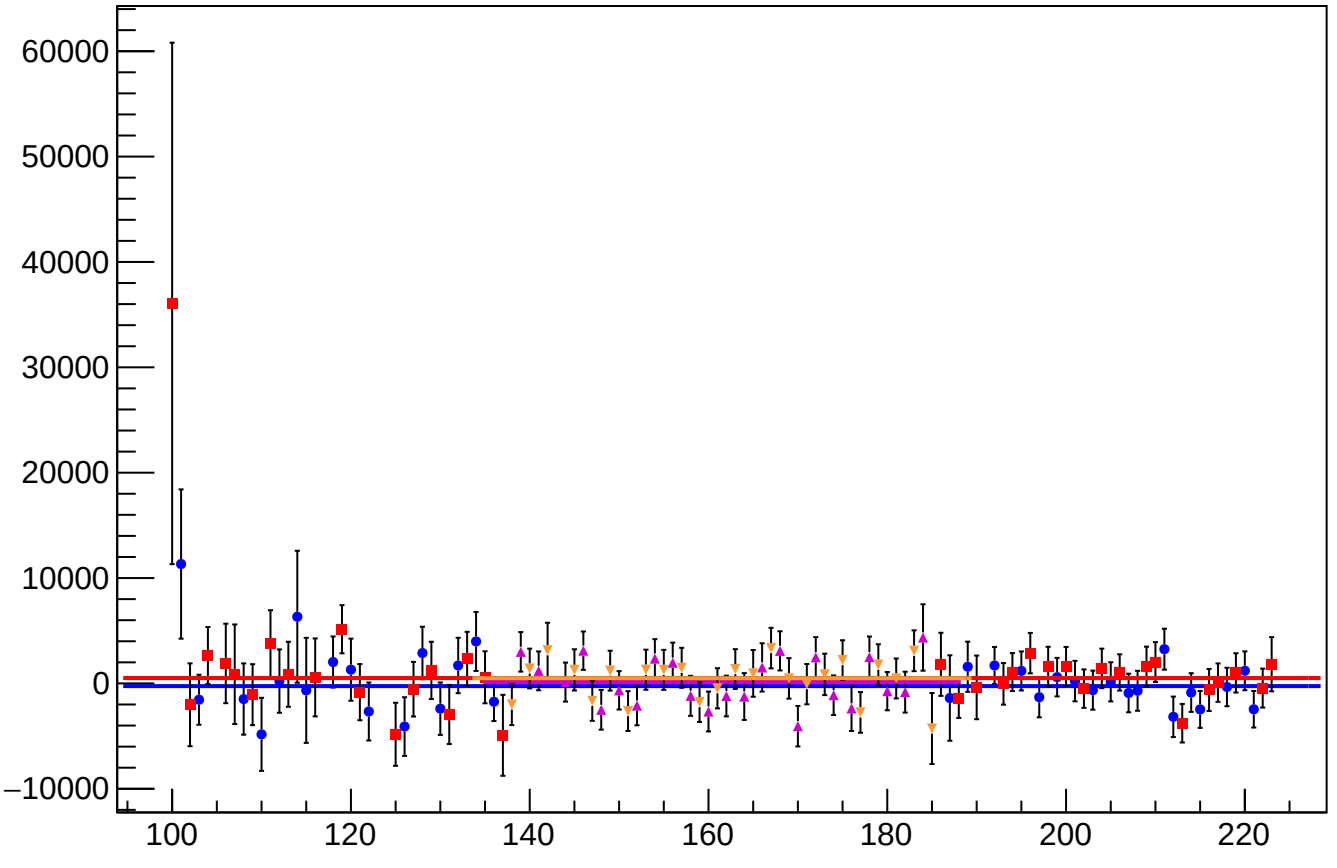
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1361.502+/-0.152 χ^2/NDF: 8136211.0/70

In: 1058.698+/-0.123 χ^2/NDF:6474603.1/56

Out: 1070.426+/-0.125 χ^2/NDF:8288976.3/60

All: 1064.477+/-0.088 χ^2/NDF: 14768045.8/1



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

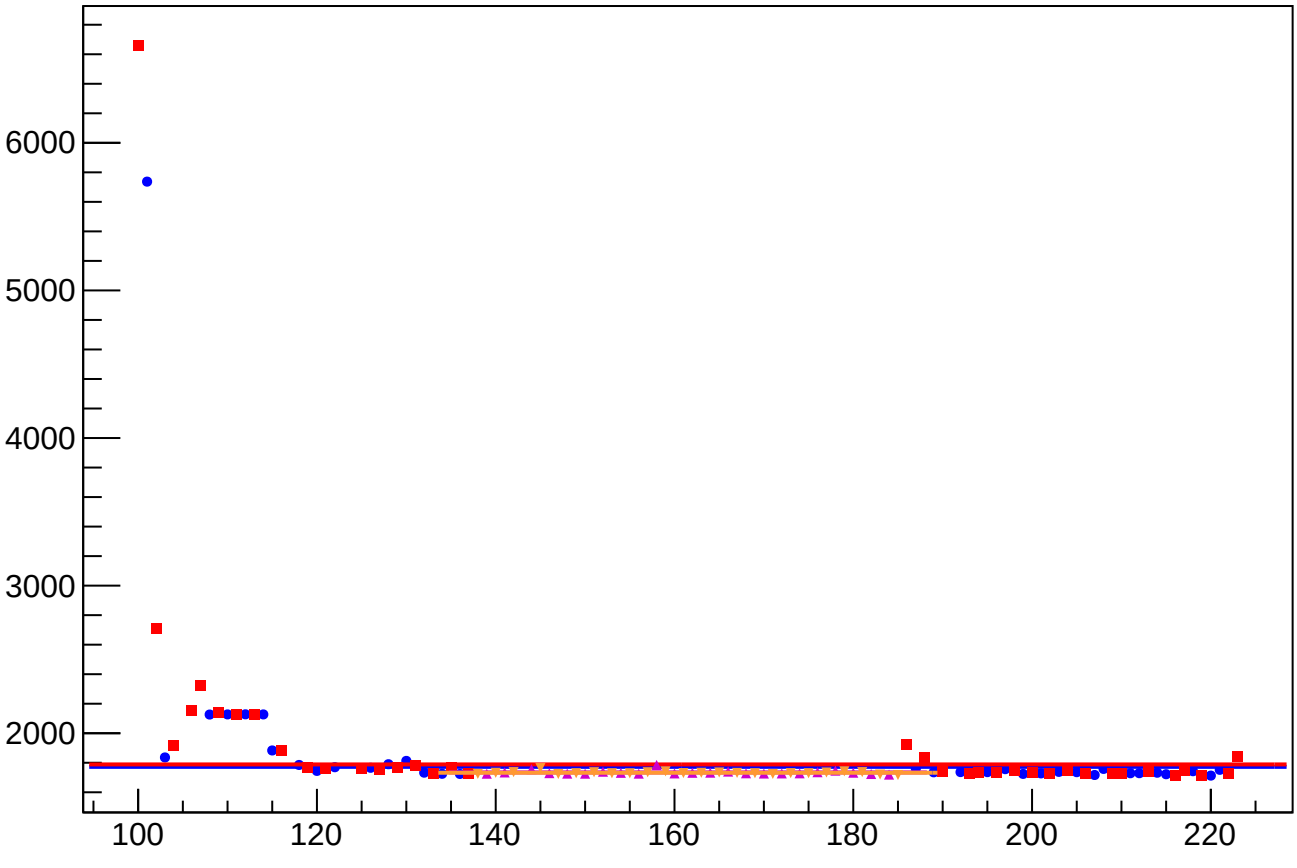
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 129.873+/-268.679 χ^2/NDF: 58.7/70

In: -71.413+/-277.181 χ^2/NDF:58.5/56

Out: 505.066+/-276.084 χ^2/NDF:48.3/60

All: 217.969+/-195.608 χ^2/NDF: 109.0/117



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

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

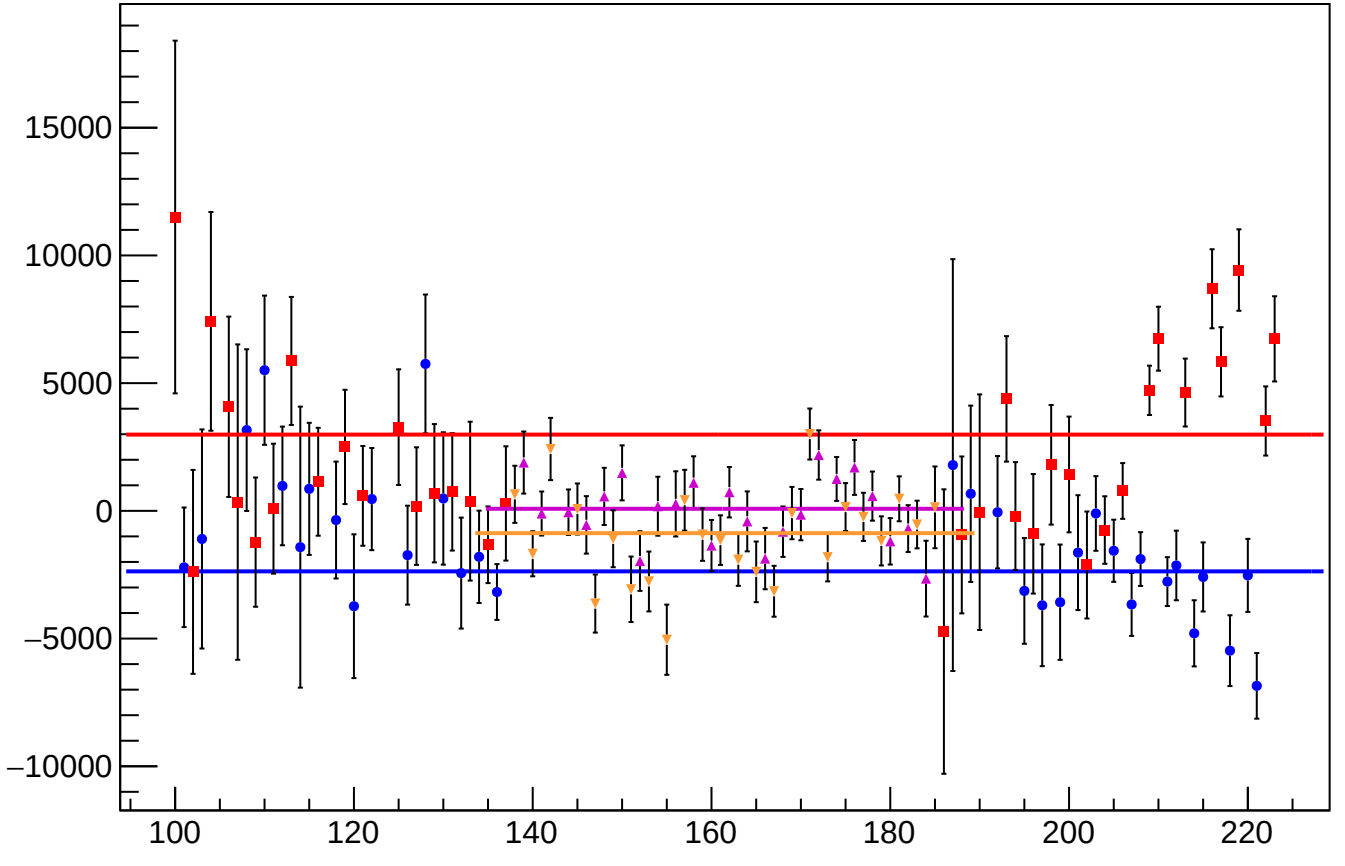
Right: 1780.523+/-0.190 χ^2/NDF: 1078275.6/70

In: 1754.643+/-0.196 χ^2/NDF:736272.2/56

Out: 1762.147+/-0.195 χ^2/NDF:373249.0/60

All: 1758.410+/-0.138 χ^2/NDF: 1110257.2/11

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

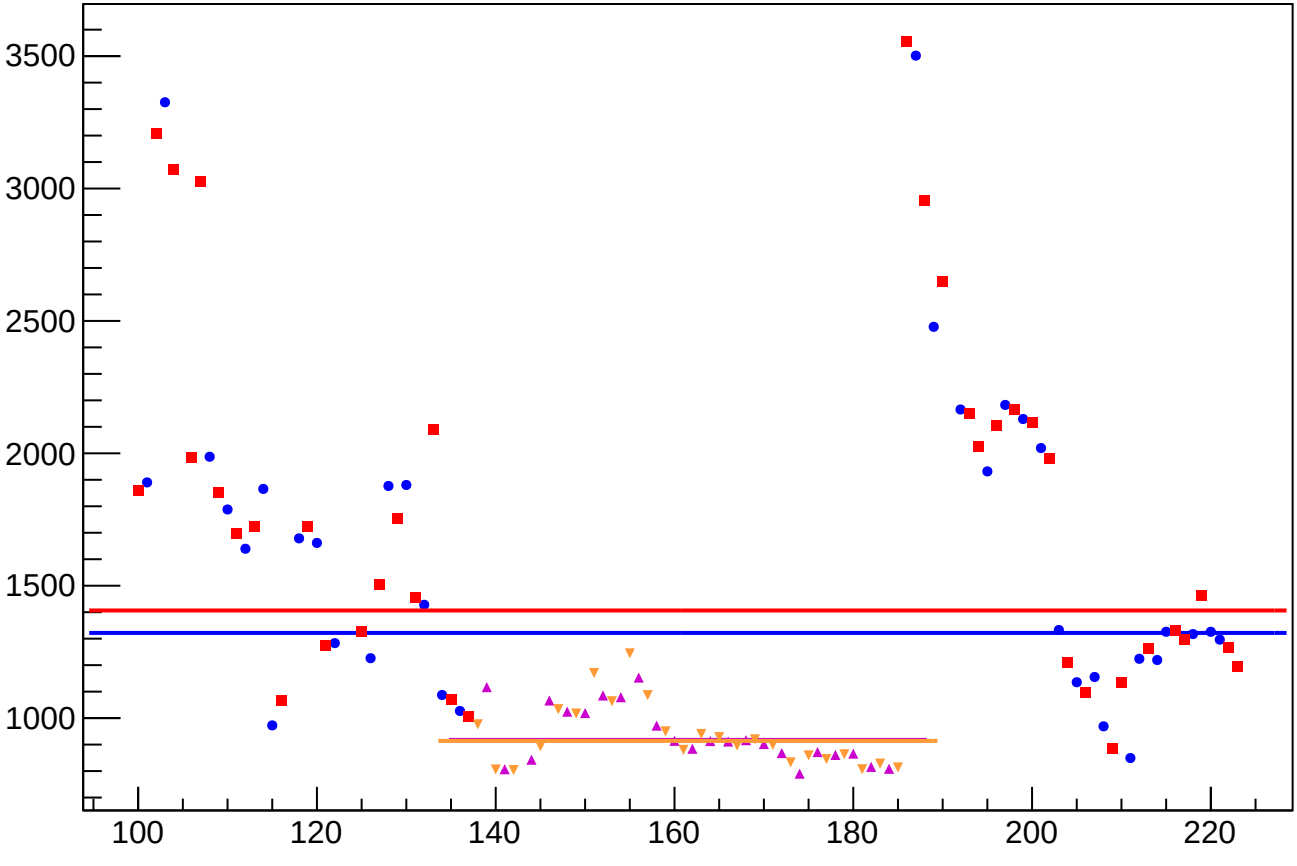
Right: 144.031+/-214.813 χ^2/NDF: 318.2/70

In: -773.744+/-174.205 χ^2/NDF:131.0/56

Out: 353.338+/-176.764 χ^2/NDF:272.7/60

All: -218.421+/-124.077 χ^2/NDF: 424.3/117

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

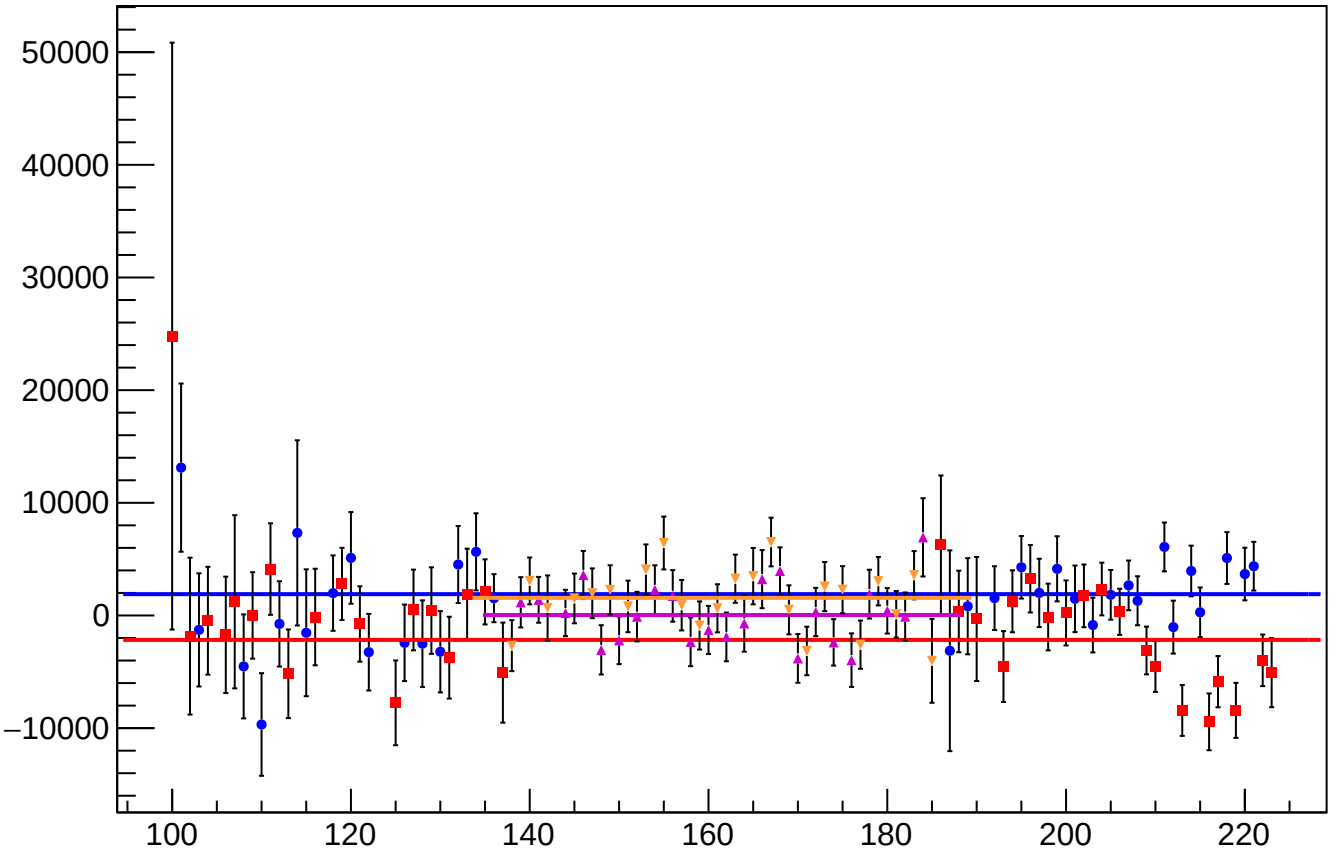
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1361.500+/-0.152 χ^2/NDF: 8136218.2/70

In: 1058.697+/-0.123 χ^2/NDF:6474600.3/56

Out: 1070.426+/-0.125 χ^2/NDF:8288975.7/60

All: 1064.476+/-0.088 χ^2/NDF: 14768042.4/1



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

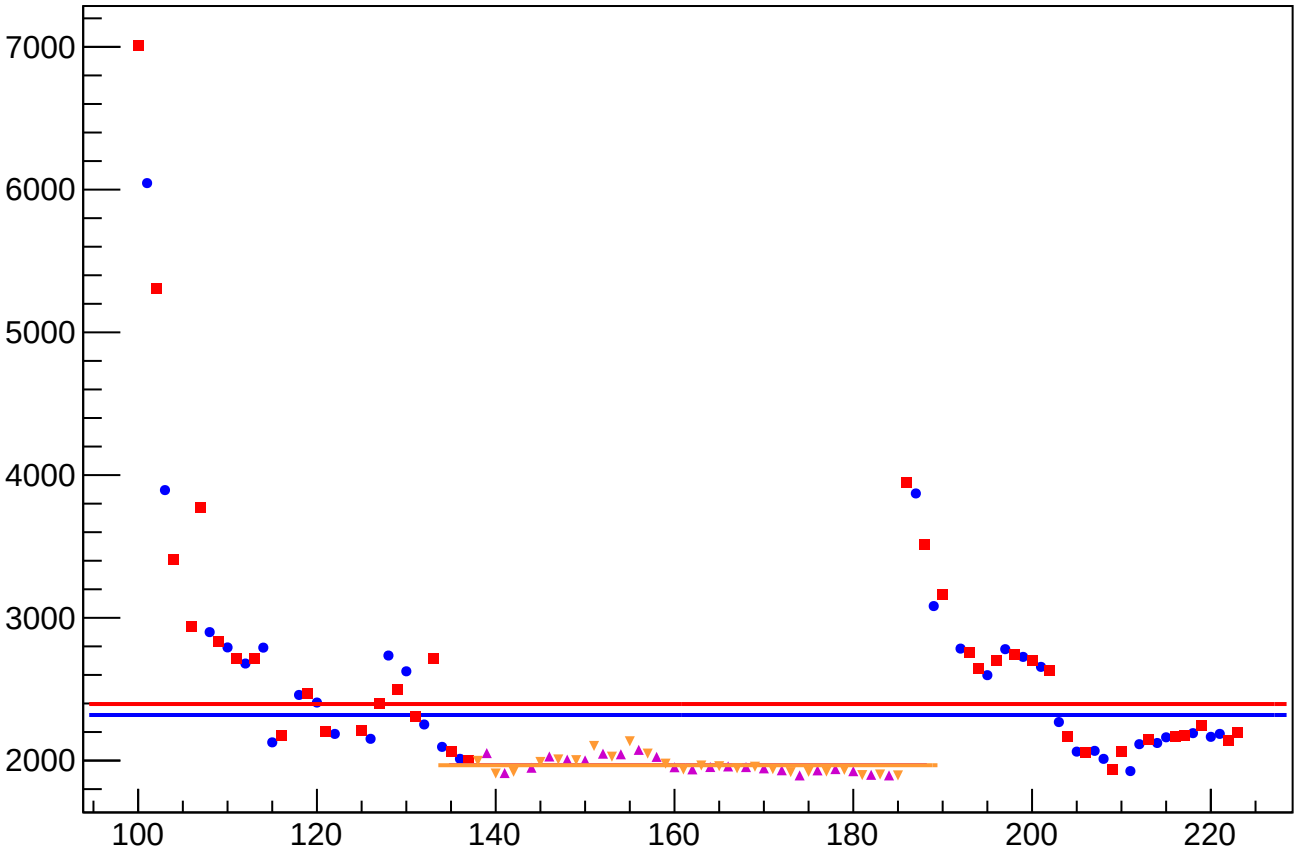
Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

Right: -85.420+/-359.382 χ^2/NDF: 126.4/70

In: 885.998+/-339.115 χ^2/NDF:71.0/56

Out: -81.427+/-341.700 χ^2/NDF:119.4/60

All: 405.959+/-240.699 χ^2/NDF: 194.4/117



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

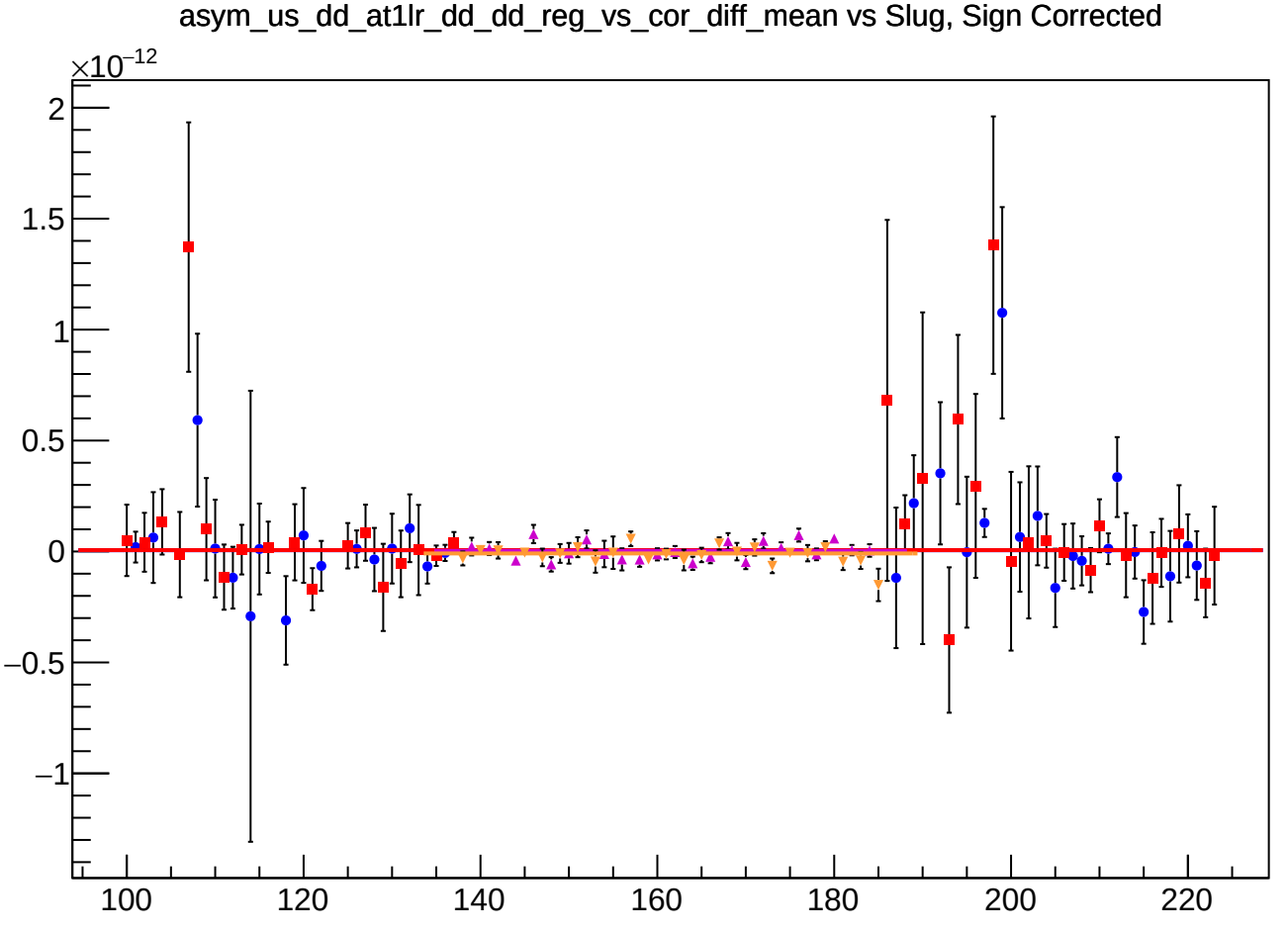
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2356.774+/-0.254 χ^2/NDF: 2941432.6/70

In: 2128.894+/-0.240 χ^2/NDF:1965716.7/56

Out: 2156.339+/-0.242 χ^2/NDF:2319164.5/60

All: 2142.512+/-0.170 χ^2/NDF: 4291381.0/11



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

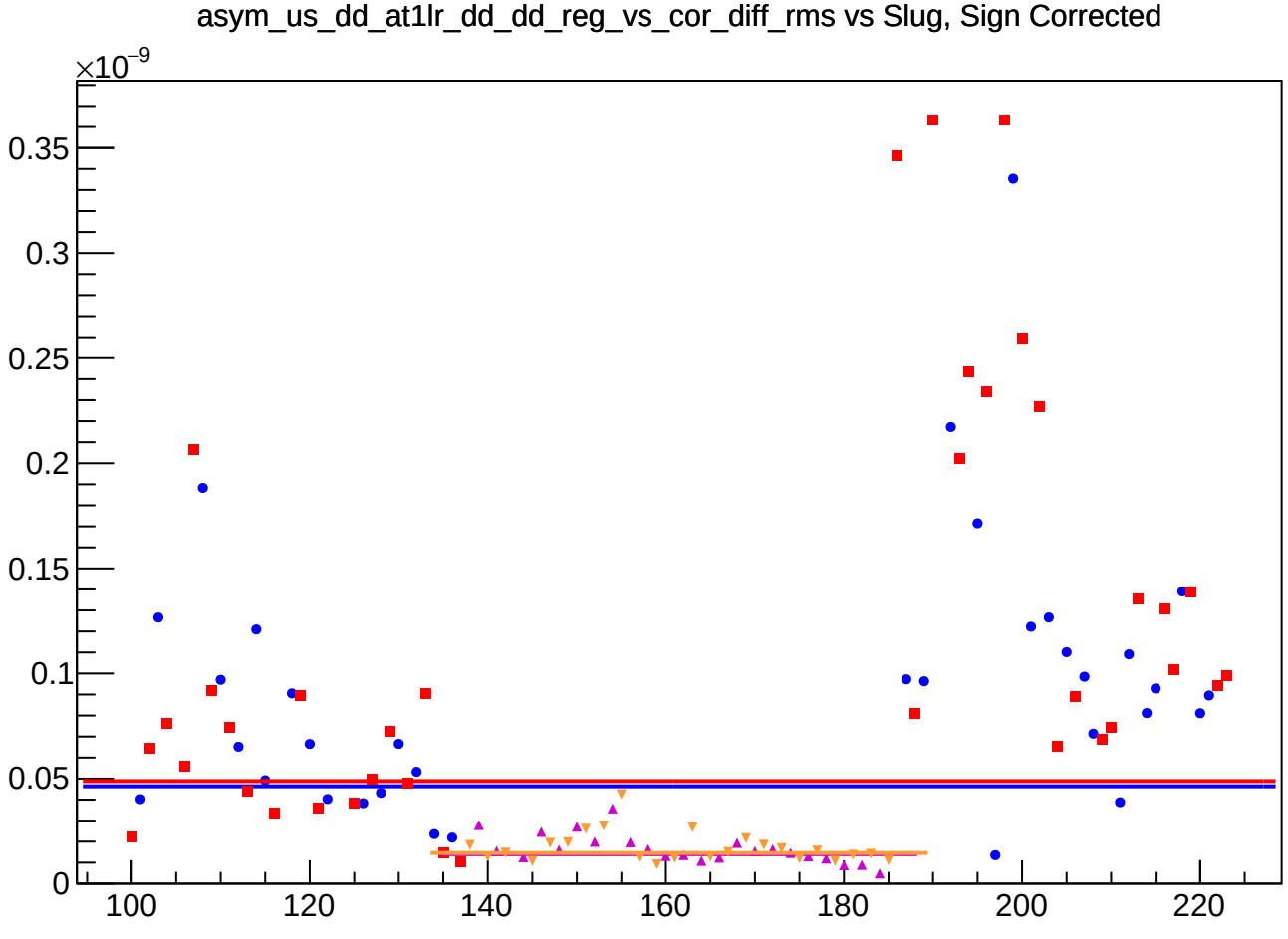
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 56.5/70

In: 0.000+/-0.000 χ^2/NDF:67.2/56

Out: -0.000+/-0.000 χ^2/NDF:49.4/60

All: -0.000+/-0.000 χ^2/NDF: 118.1/117



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

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

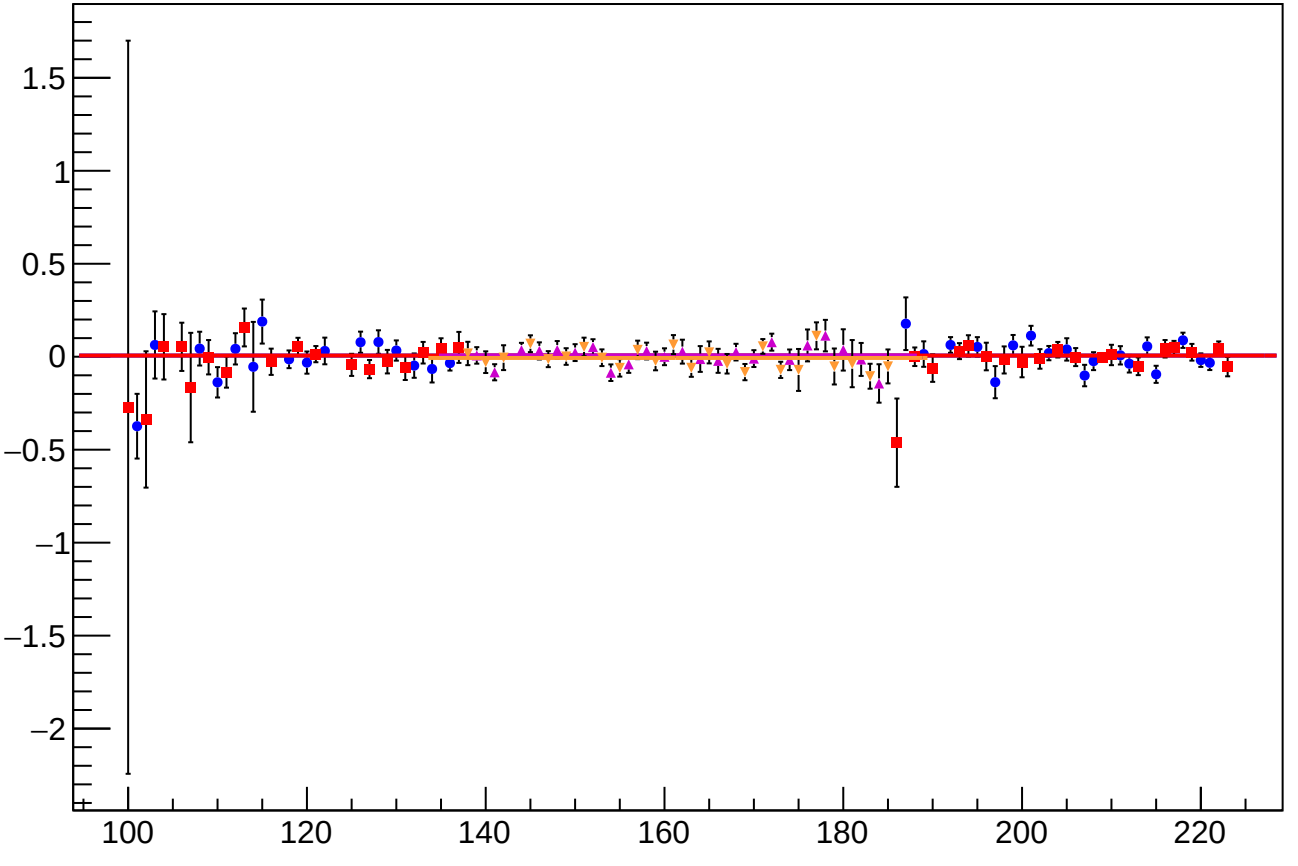
Right: 0.000+/-0.000 χ^2/NDF: 15542498.9/70

In: 0.000+/-0.000 χ^2/NDF:13076092.3/56

Out: 0.000+/-0.000 χ^2/NDF:14889285.2/60

All: 0.000+/-0.000 χ^2/NDF: 27970457.8/117

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

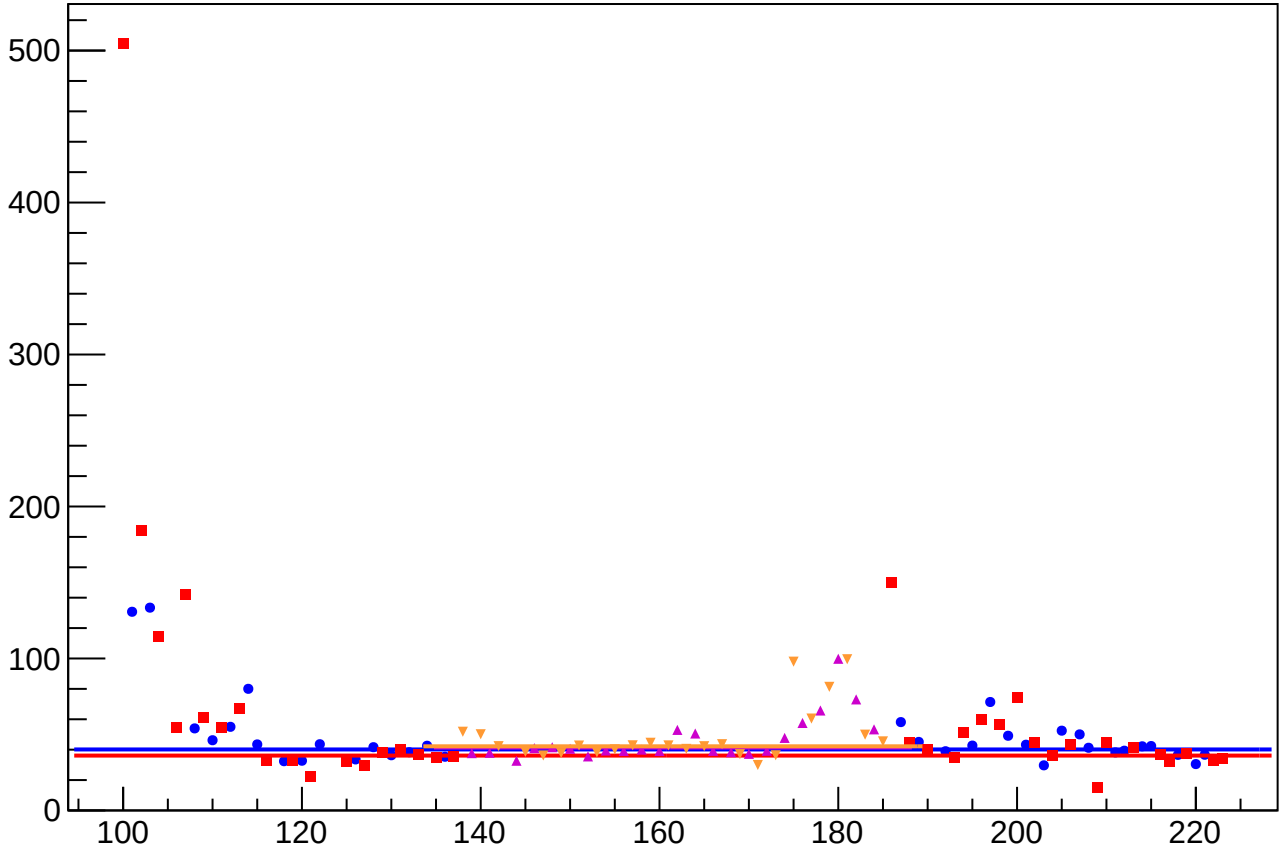
Right: 0.006+/-0.007 χ^2/NDF: 69.4/70

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.001+/-0.007 χ^2/NDF:48.5/60

All: 0.004+/-0.005 χ^2/NDF: 114.5/117

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

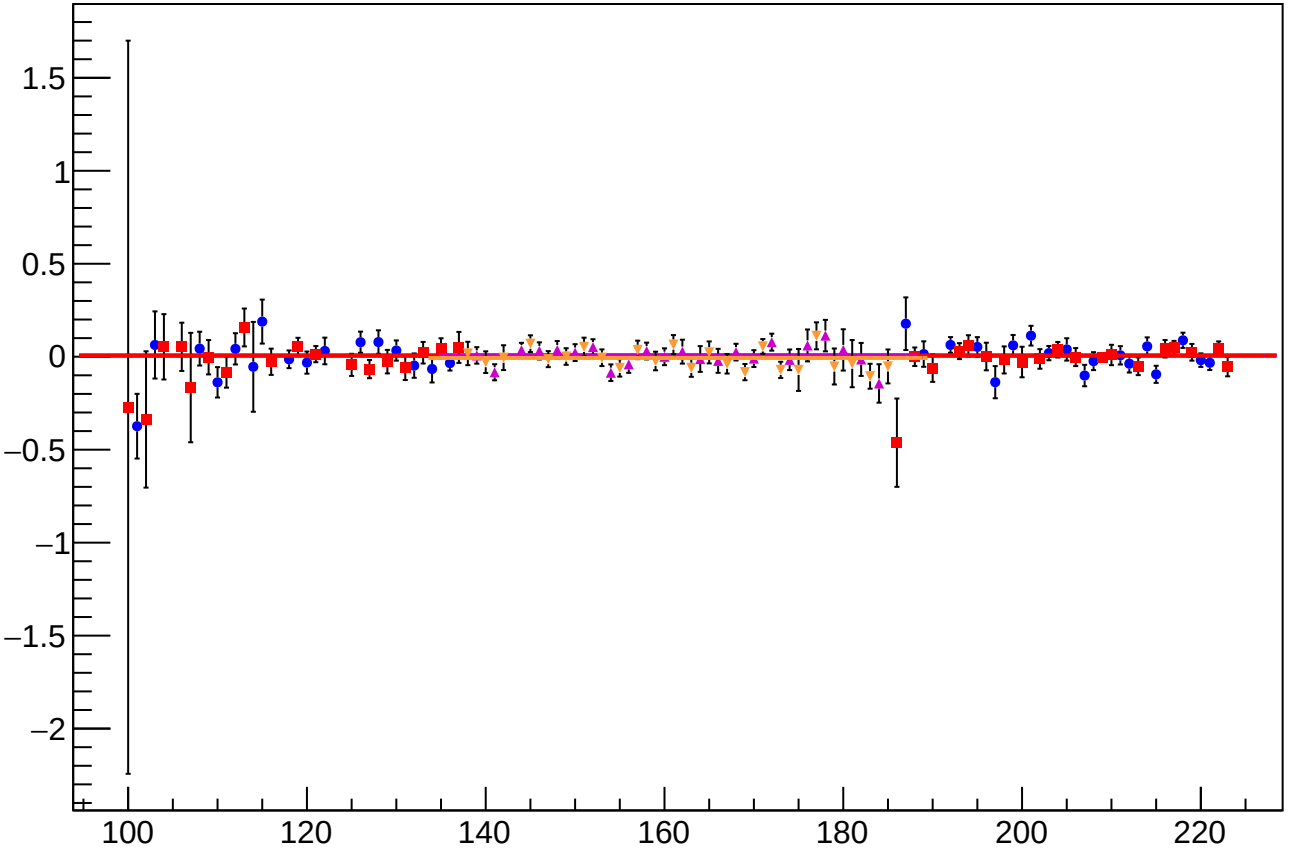
Right: 38.024+/-0.005 χ^2/NDF: 7380645.1/70

In: 40.708+/-0.005 χ^2/NDF:3683215.4/56

Out: 38.617+/-0.005 χ^2/NDF:7126688.9/60

All: 39.640+/-0.004 χ^2/NDF: 10897198.9/117

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

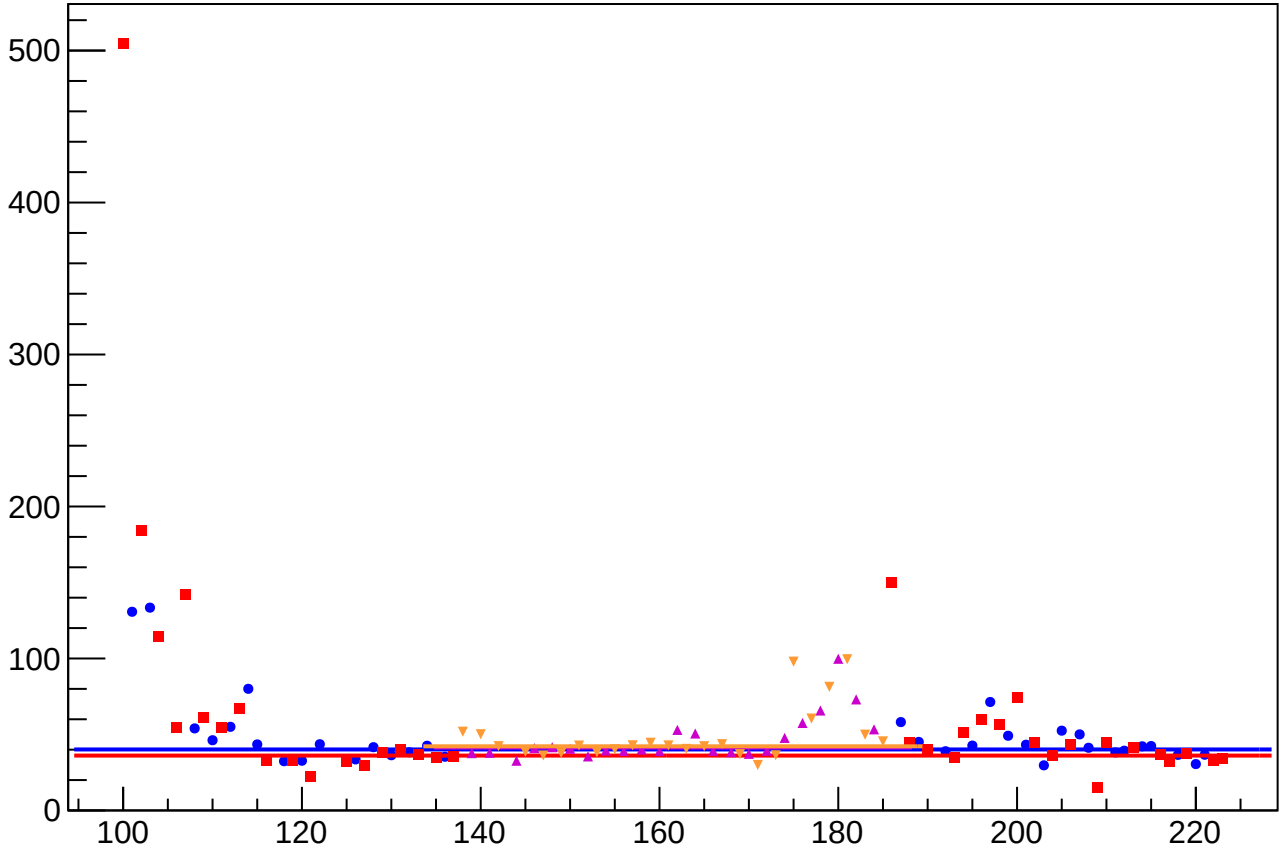
Right: 0.006+/-0.007 χ^2/NDF: 69.4/70

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.001+/-0.007 χ^2/NDF:48.5/60

All: 0.004+/-0.005 χ^2/NDF: 114.5/117

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

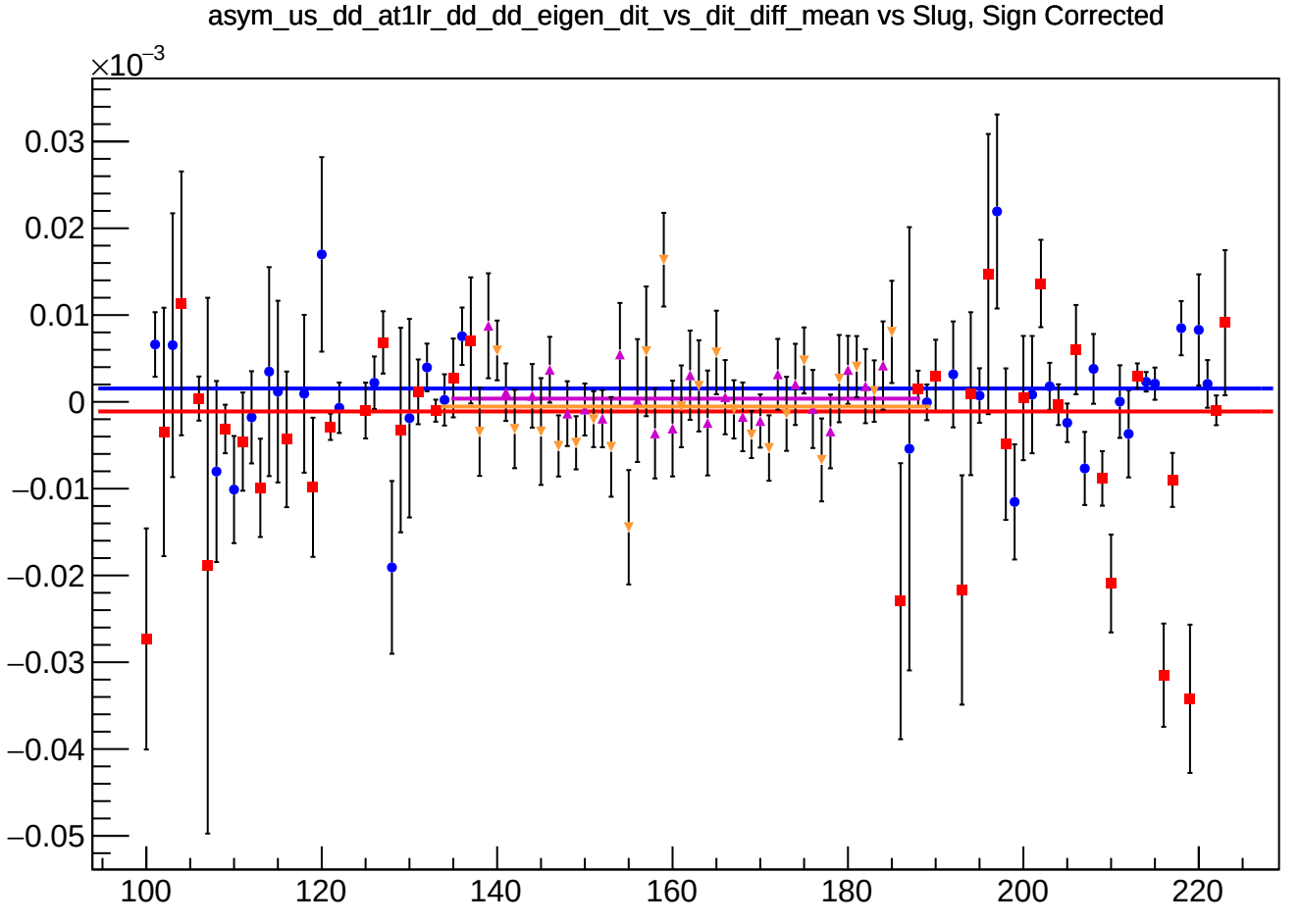
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.024+/-0.005 χ^2/NDF: 7380645.1/70

In: 40.708+/-0.005 χ^2/NDF:3683215.4/56

Out: 38.617+/-0.005 χ^2/NDF:7126688.9/60

All: 39.640+/-0.004 χ^2/NDF: 10897198.9/117



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

Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

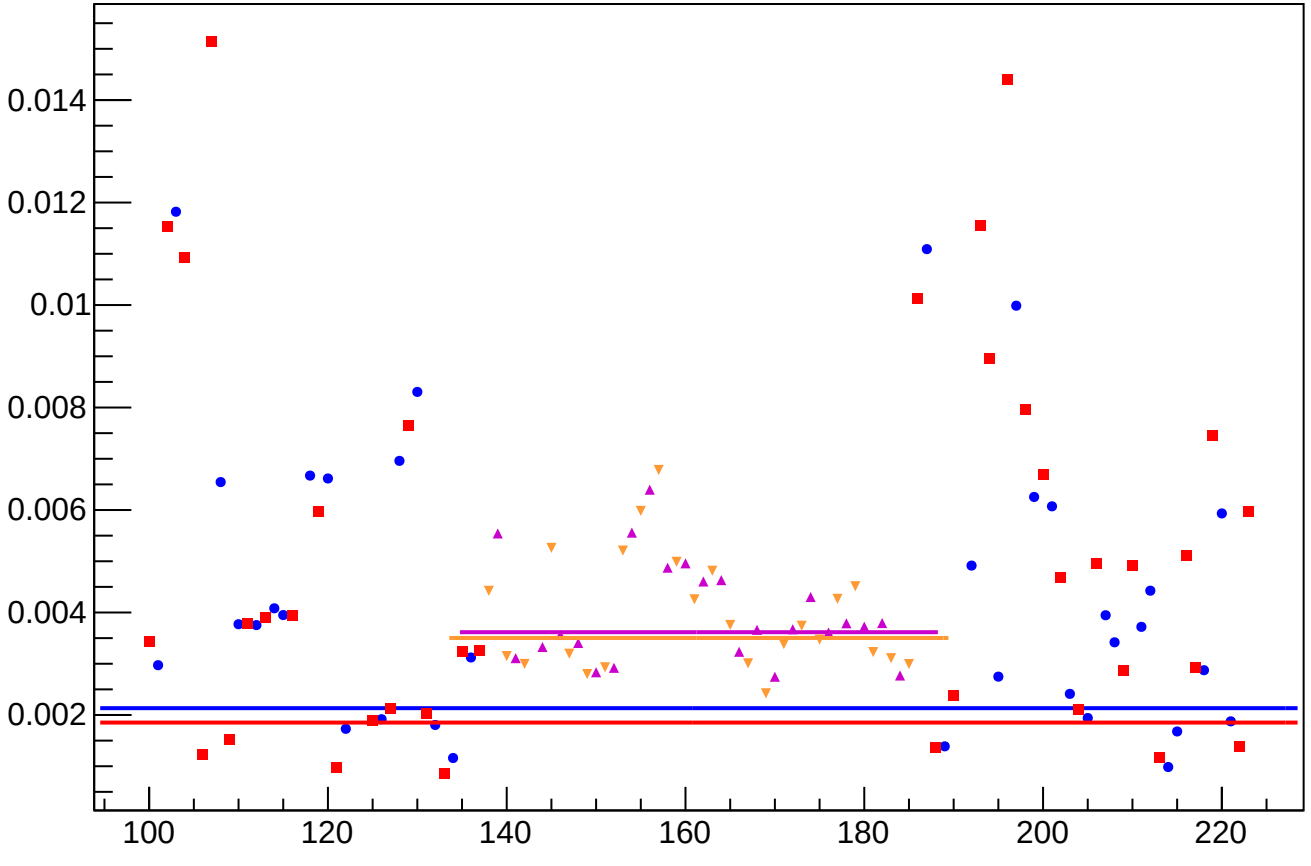
Right: 0.000+/-0.000 χ^2/NDF: 166.8/70

In: 0.000+/-0.000 χ^2/NDF:53.1/56

Out: -0.000+/-0.000 χ^2/NDF:150.4/60

All: 0.000+/-0.000 χ^2/NDF: 214.0/117

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

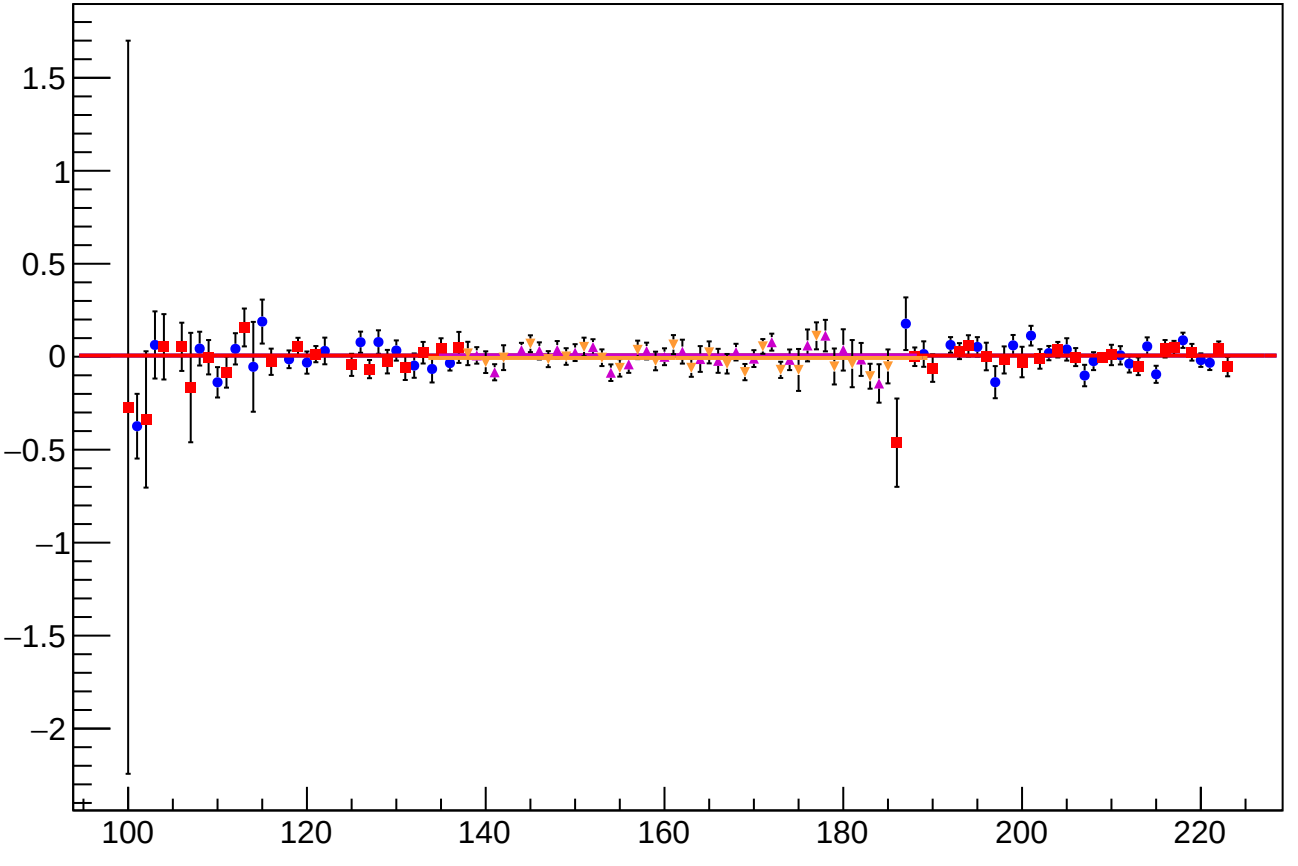
Right: 0.002+/-0.000 χ^2/NDF: 29121978.4/70

In: 0.003+/-0.000 χ^2/NDF:17569400.8/56

Out: 0.002+/-0.000 χ^2/NDF:24662426.8/60

All: 0.002+/-0.000 χ^2/NDF: 42523234.2/117

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

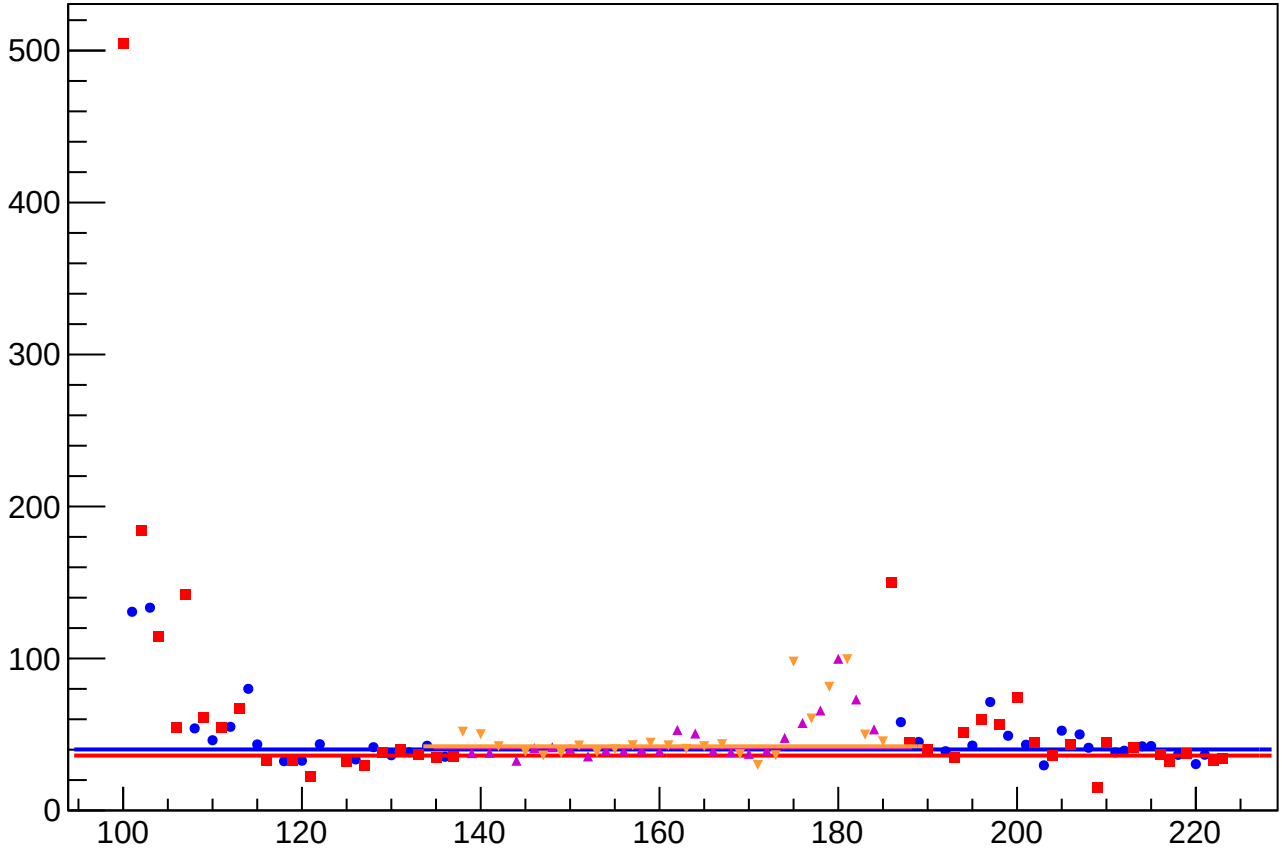
Right: 0.006+/-0.007 χ^2/NDF: 69.4/70

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.001+/-0.007 χ^2/NDF:48.5/60

All: 0.004+/-0.005 χ^2/NDF: 114.5/117

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

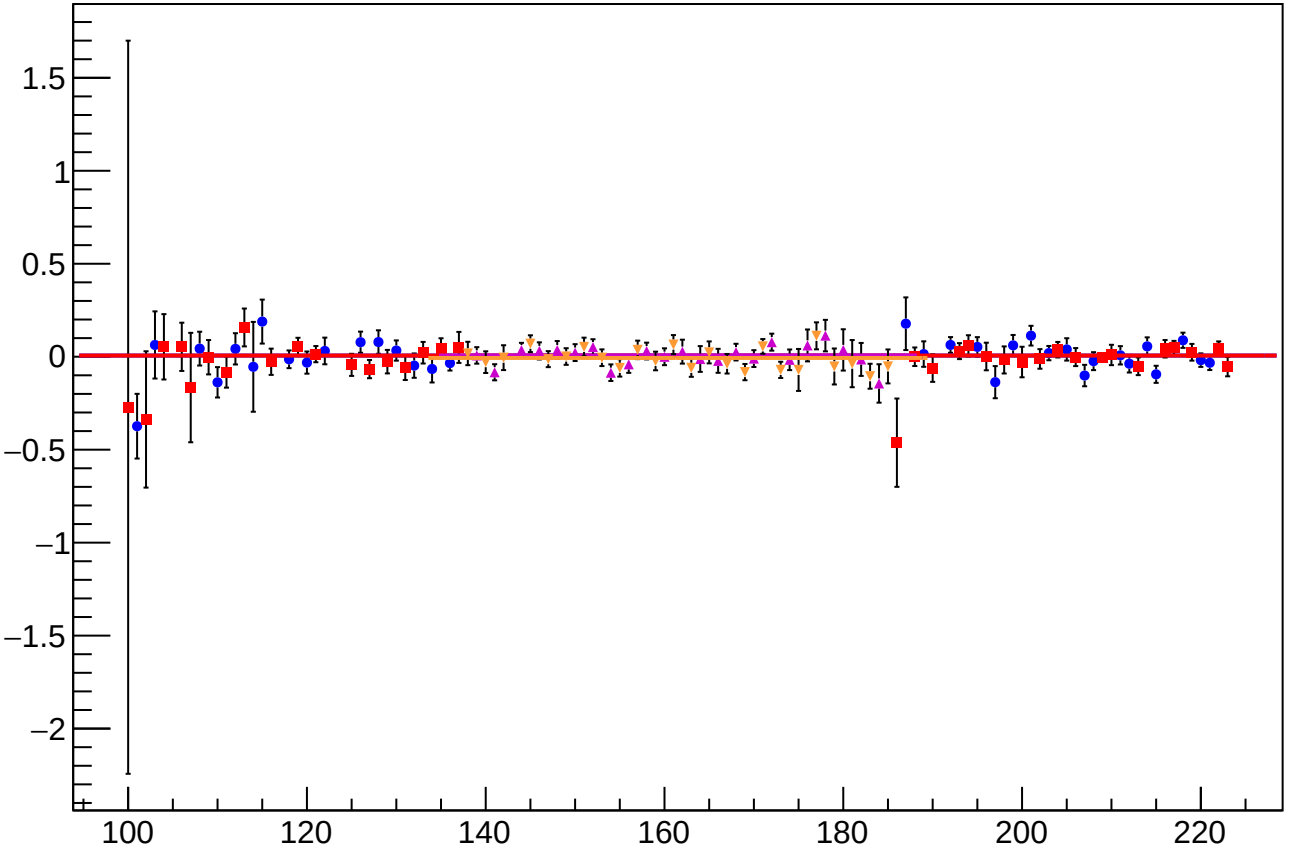
Right: 38.026+/-0.005 χ^2/NDF: 7377840.1/70

In: 40.708+/-0.005 χ^2/NDF:3683071.2/56

Out: 38.618+/-0.005 χ^2/NDF:7123814.6/60

All: 39.641+/-0.004 χ^2/NDF: 10894041.8/117

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

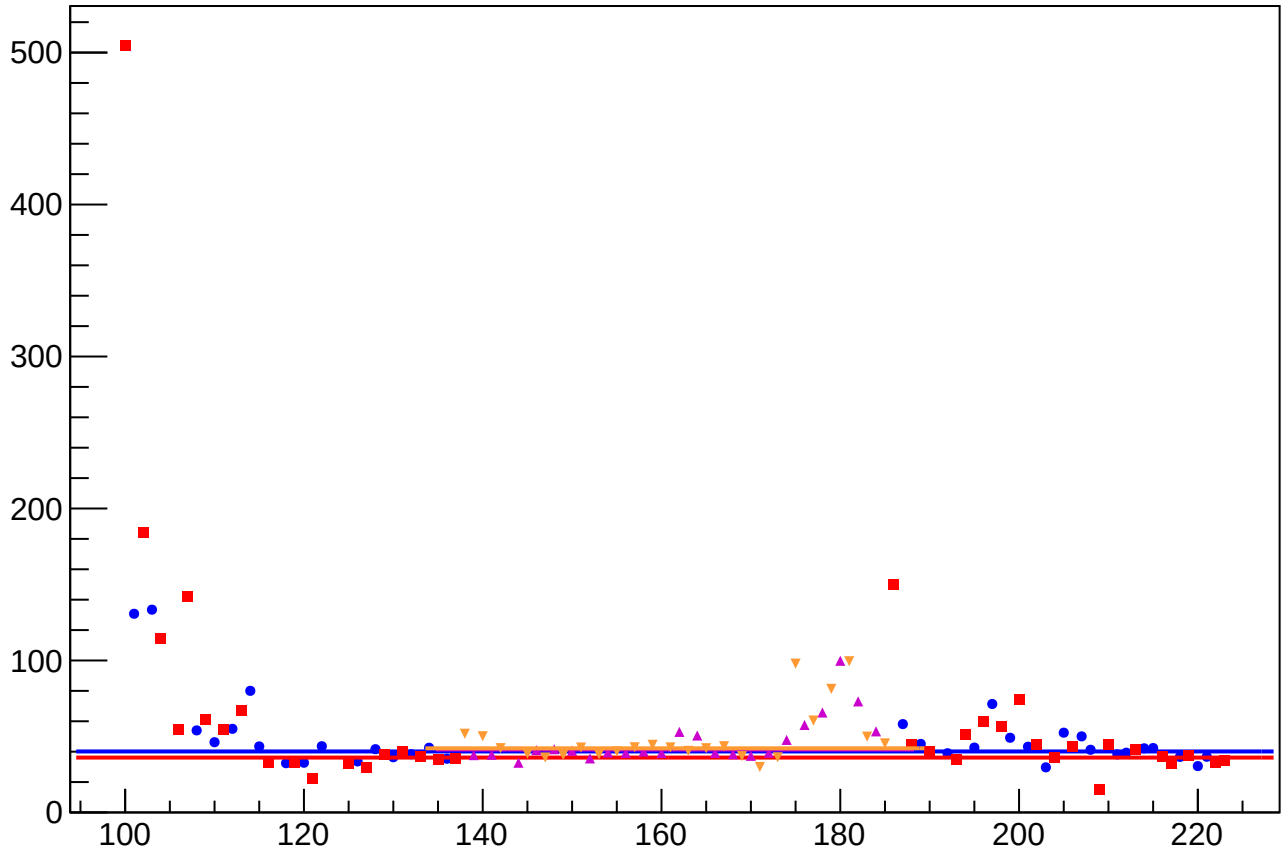
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.006+/-0.007 χ^2/NDF: 69.4/70

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.001+/-0.007 χ^2/NDF:48.5/60

All: 0.004+/-0.005 χ^2/NDF: 114.5/117



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

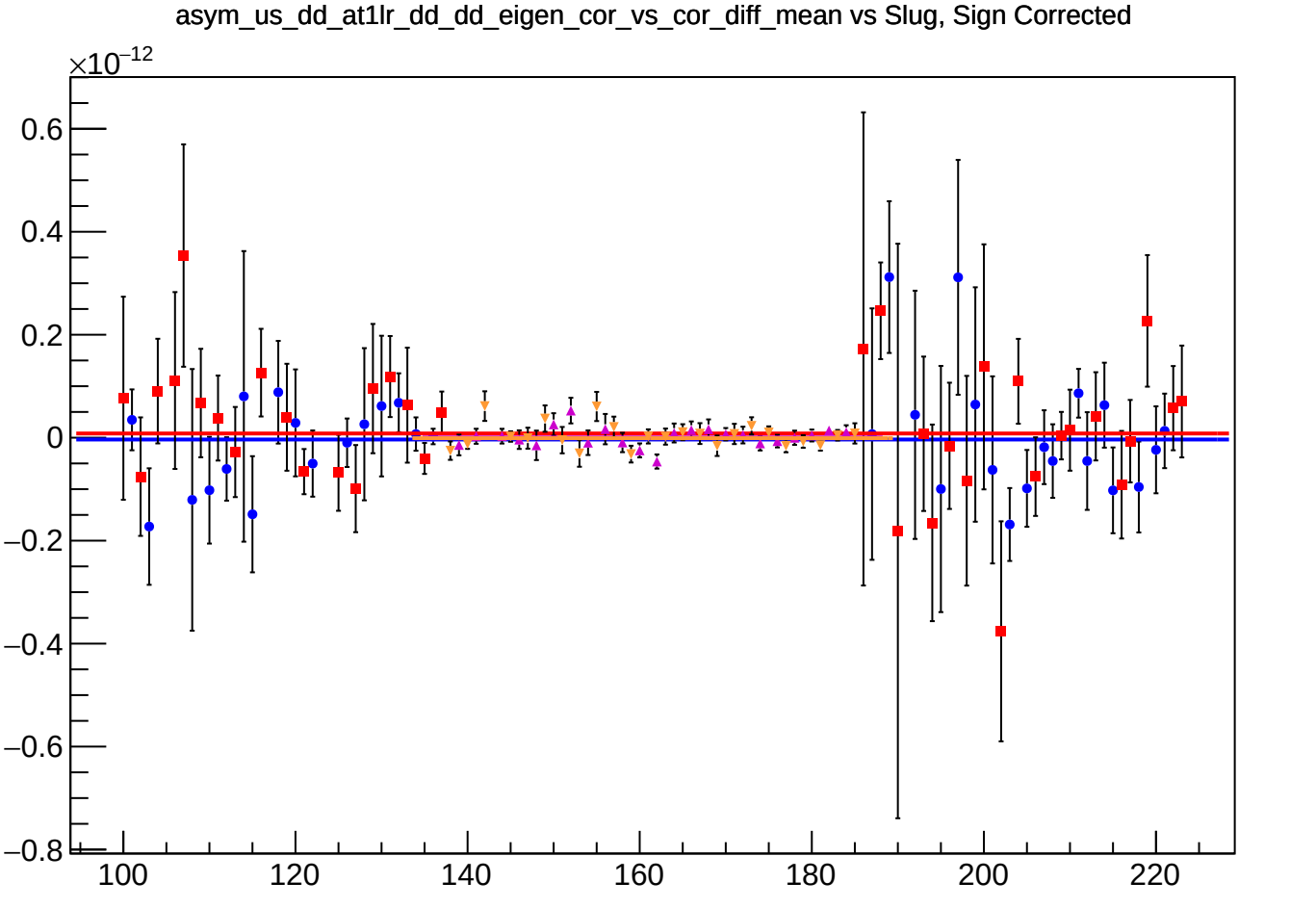
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

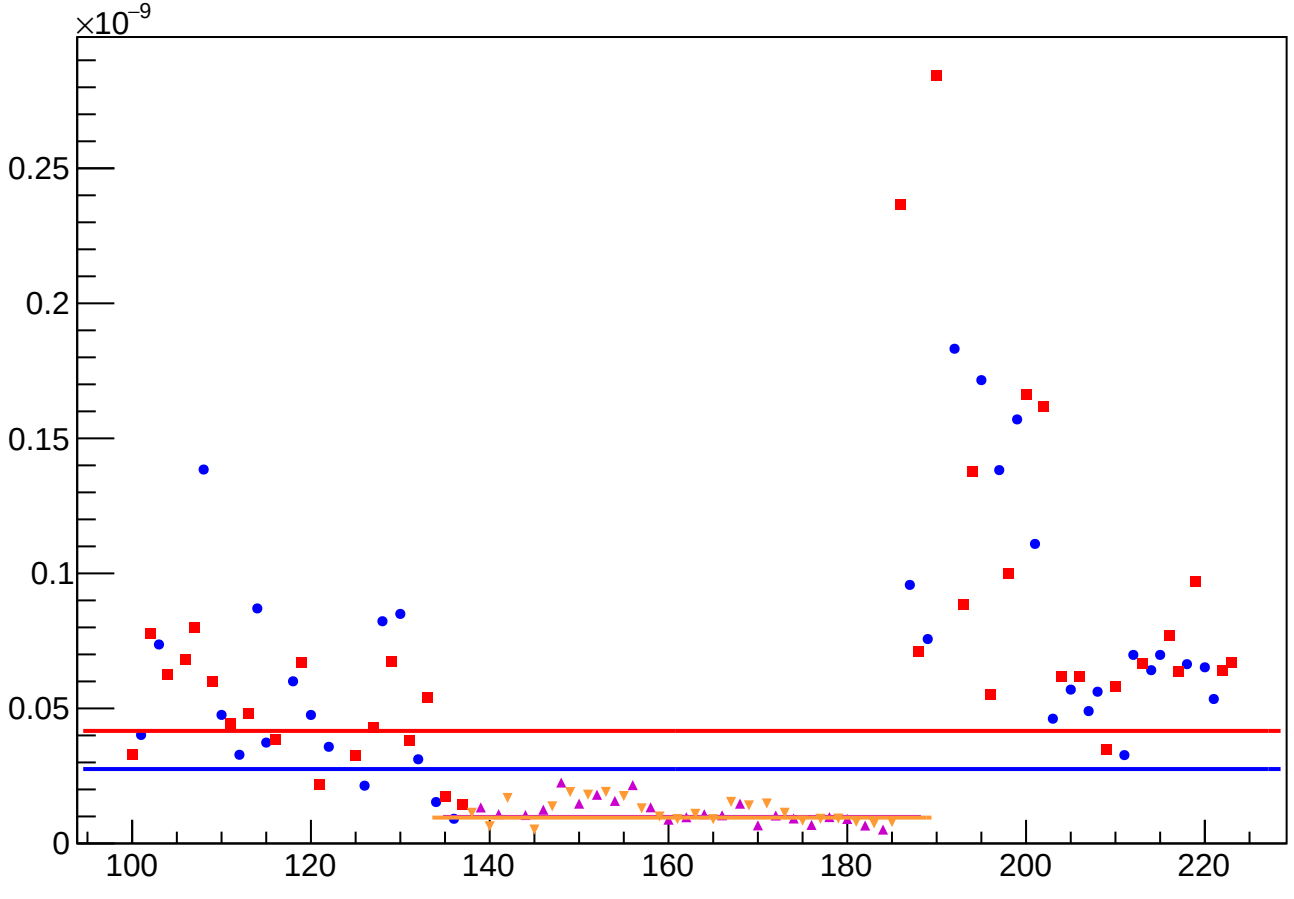
Right: 38.026+/-0.005 χ^2/NDF: 7377840.1/70

In: 40.708+/-0.005 χ^2/NDF:3683071.2/56

Out: 38.618+/-0.005 χ^2/NDF:7123814.6/60

All: 39.641+/-0.004 χ^2/NDF: 10894041.8/117


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 31.3/33
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 37.3/36
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: 0.000+/-0.000 χ²/NDF: 69.2/70
In: 0.000+/-0.000 χ²/NDF:59.8/56
Out: -0.000+/-0.000 χ²/NDF:67.3/60
All: -0.000+/-0.000 χ²/NDF: 127.1/117



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

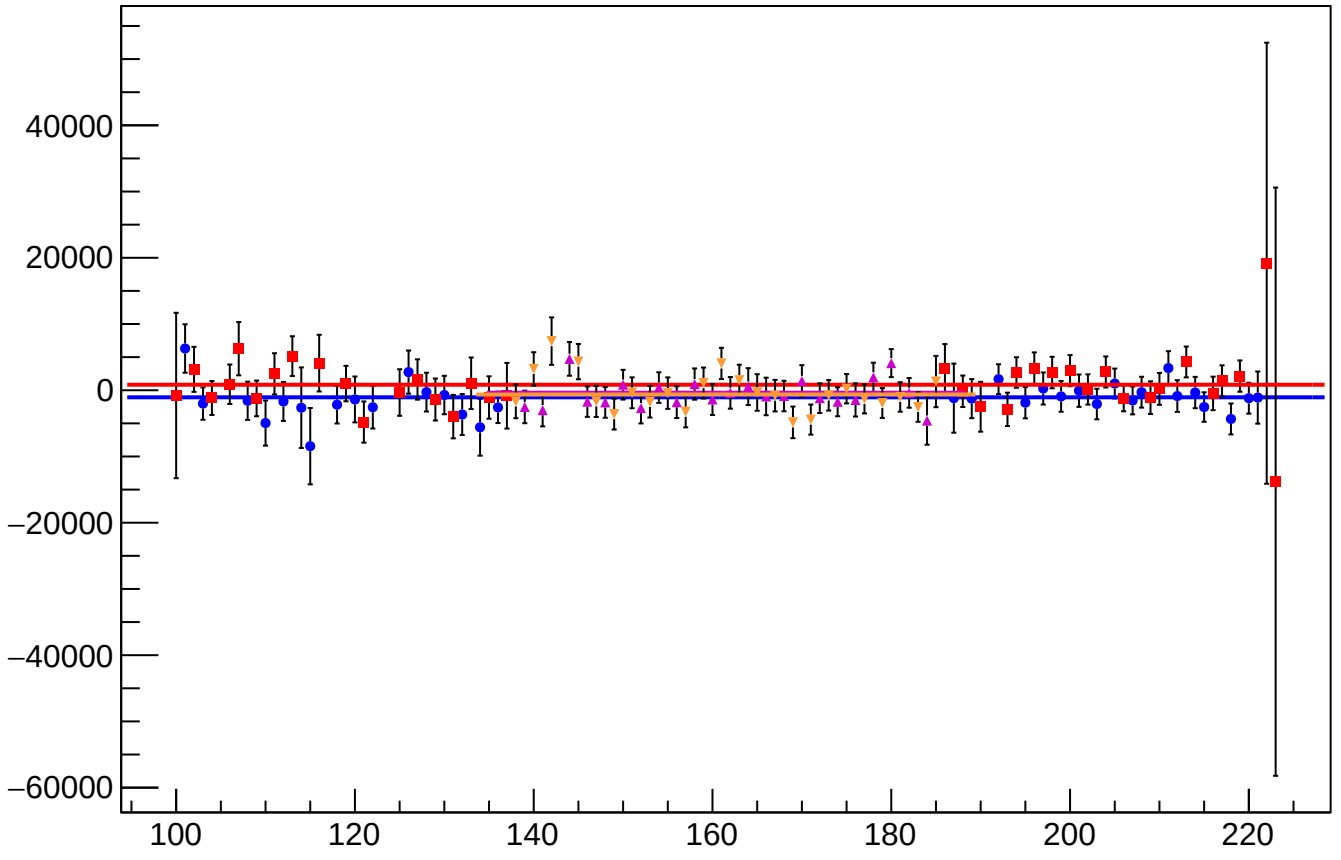
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 21386412.5/70

In: 0.000+/-0.000 χ^2/NDF:19873786.7/56

Out: 0.000+/-0.000 χ^2/NDF:21394512.5/60

All: 0.000+/-0.000 χ^2/NDF: 41273205.7/117



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

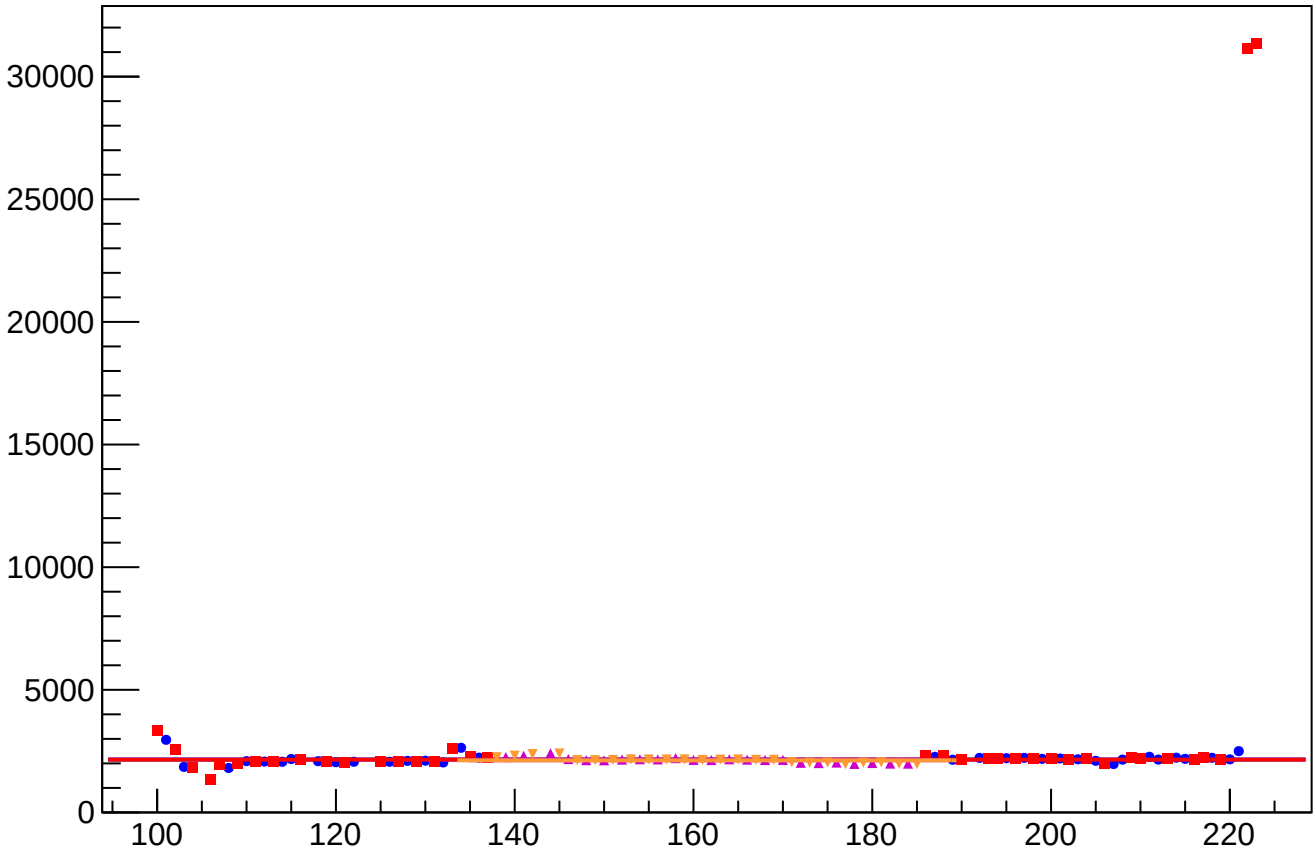
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -121.988+/-331.471 χ^2/NDF: 53.8/70

In: -738.197+/-340.750 χ^2/NDF:38.5/56

Out: 130.585+/-340.486 χ^2/NDF:57.3/60

All: -303.469+/-240.853 χ^2/NDF: 99.0/117



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

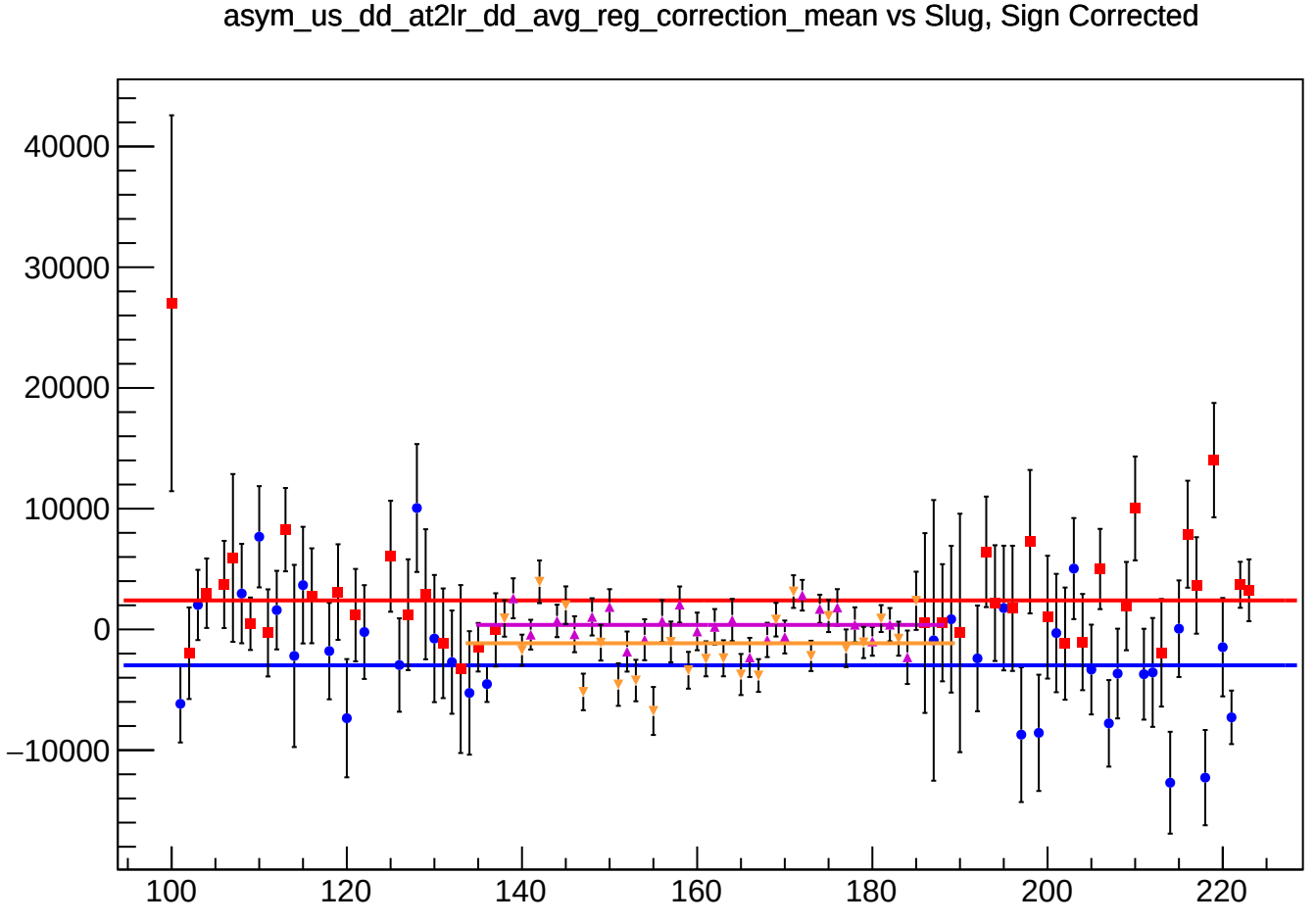
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2156.100+/-0.234 χ^2/NDF: 2941692.8/70

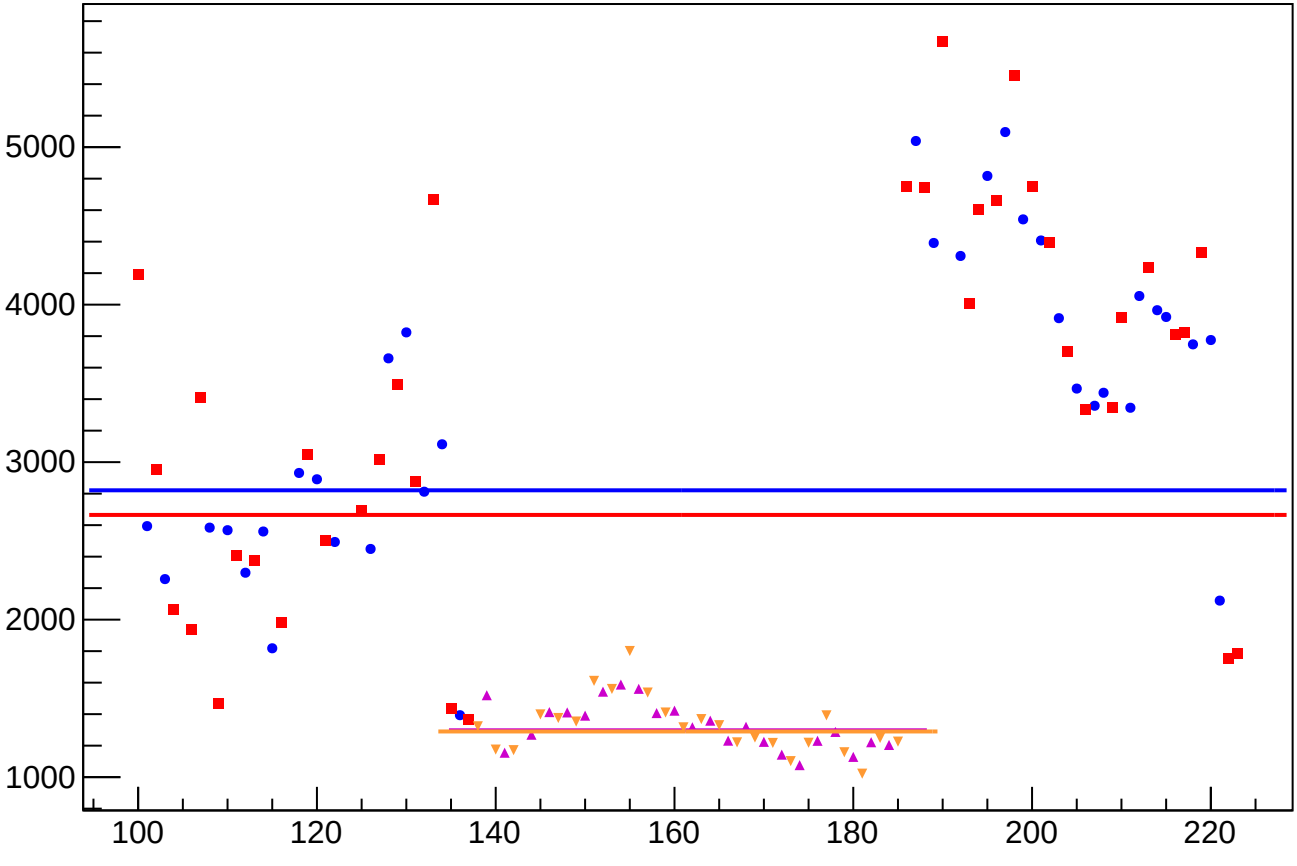
In: 2145.085+/-0.241 χ^2/NDF:330109.5/56

Out: 2139.783+/-0.241 χ^2/NDF:2793205.1/60

All: 2142.432+/-0.170 χ^2/NDF: 3123556.9/11


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2971.598+/-641.262 χ²/NDF: 50.2/33
Left Out: -1144.817+/-302.488 χ²/NDF:67.5/23
Right Out: 2402.024+/-614.594 χ²/NDF: 31.1/36
Left In: 373.302+/-305.378 χ²/NDF:20.3/22
Left: -392.974+/-214.906 χ²/NDF: 100.3/46
Right: -170.730+/-443.712 χ²/NDF: 117.9/70
In: -245.029+/-275.711 χ²/NDF:92.7/56
Out: -453.181+/-271.398 χ²/NDF:125.4/60
All: -350.746+/-193.414 χ²/NDF: 218.4/117

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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

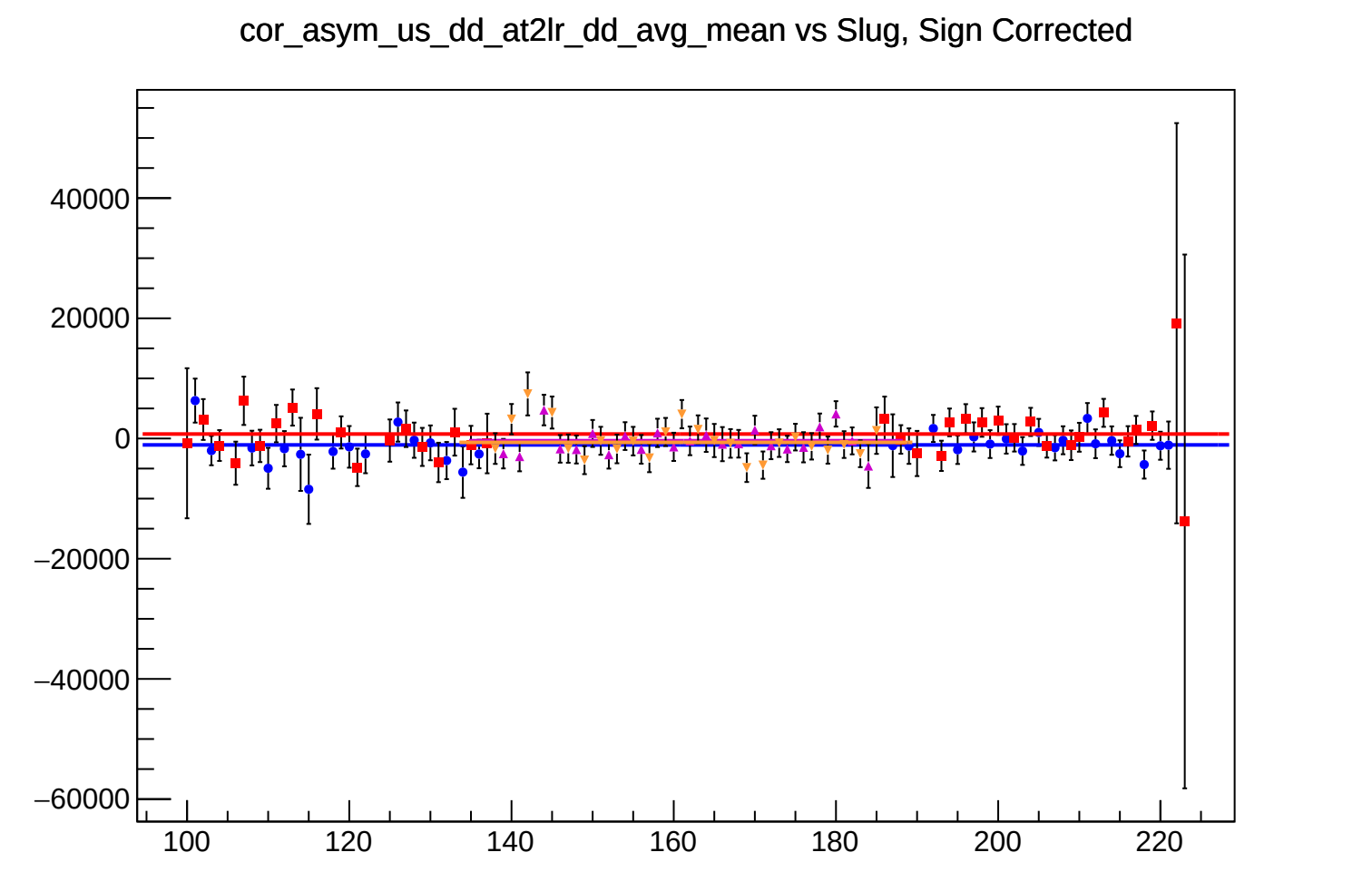
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2739.737+/-0.314 χ^2/NDF: 11846266.8/70

In: 1579.136+/-0.195 χ^2/NDF:14638883.8/56

Out: 1558.126+/-0.192 χ^2/NDF:15409354.9/60

All: 1568.465+/-0.137 χ^2/NDF: 30054136.8/



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

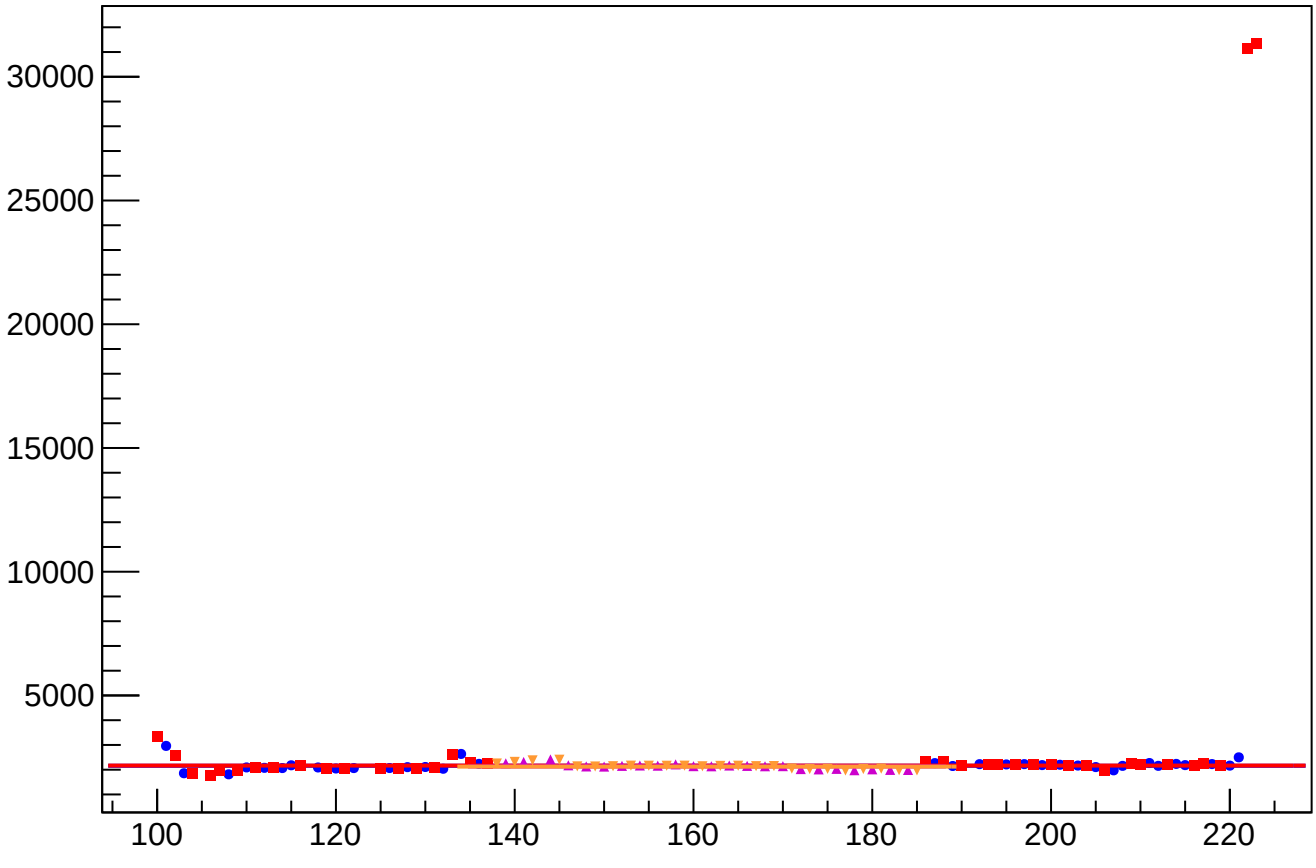
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -168.939+/-332.108 χ^2/NDF: 54.9/70

In: -738.149+/-340.750 χ^2/NDF:38.5/56

Out: 82.132+/-341.177 χ^2/NDF:58.6/60

All: -328.523+/-241.097 χ^2/NDF: 100.0/117



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

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

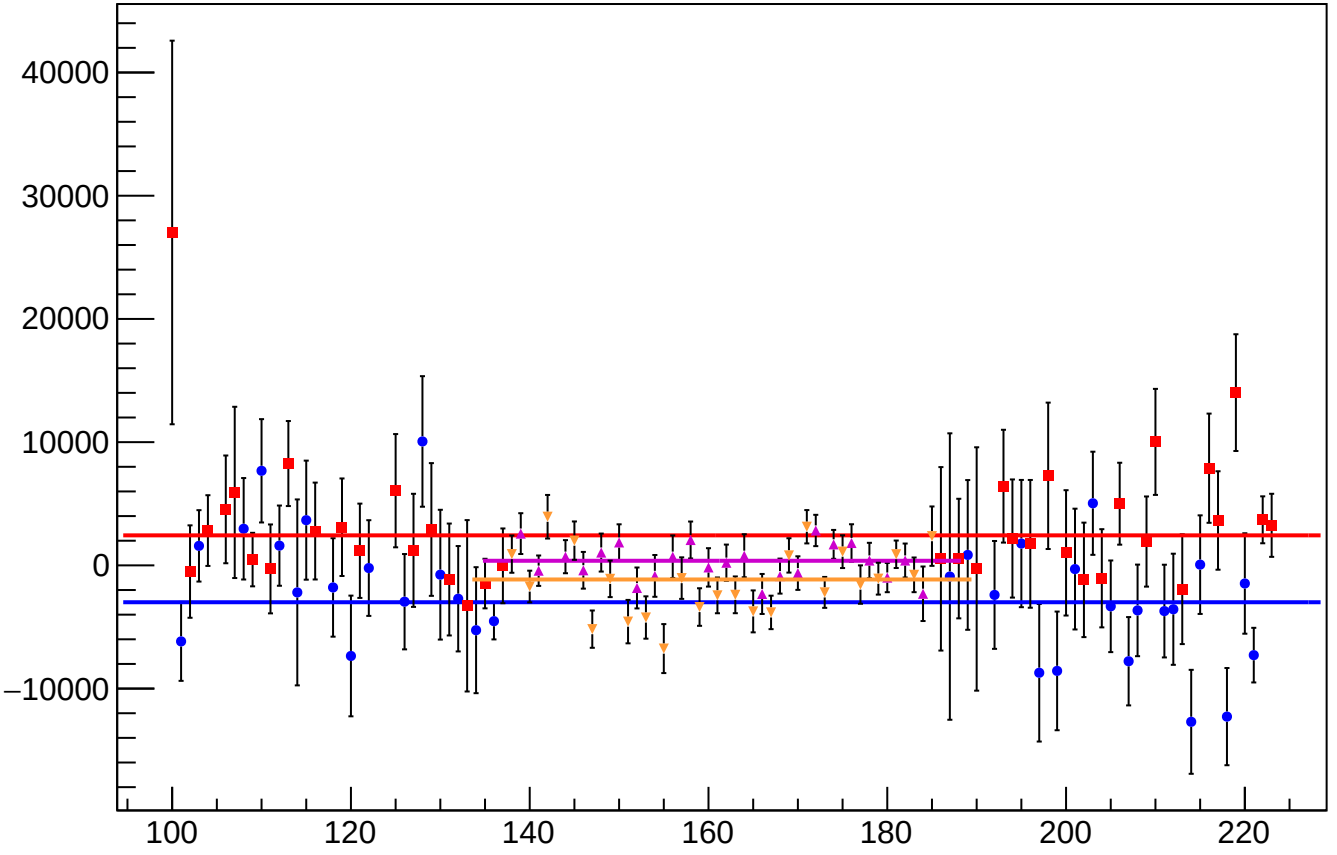
Right: 2162.549+/-0.235 χ^2/NDF: 2823382.4/70

In: 2145.085+/-0.241 χ^2/NDF:330109.8/56

Out: 2146.522+/-0.241 χ^2/NDF:2678665.5/60

All: 2145.803+/-0.170 χ^2/NDF: 3008793.0/11

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



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

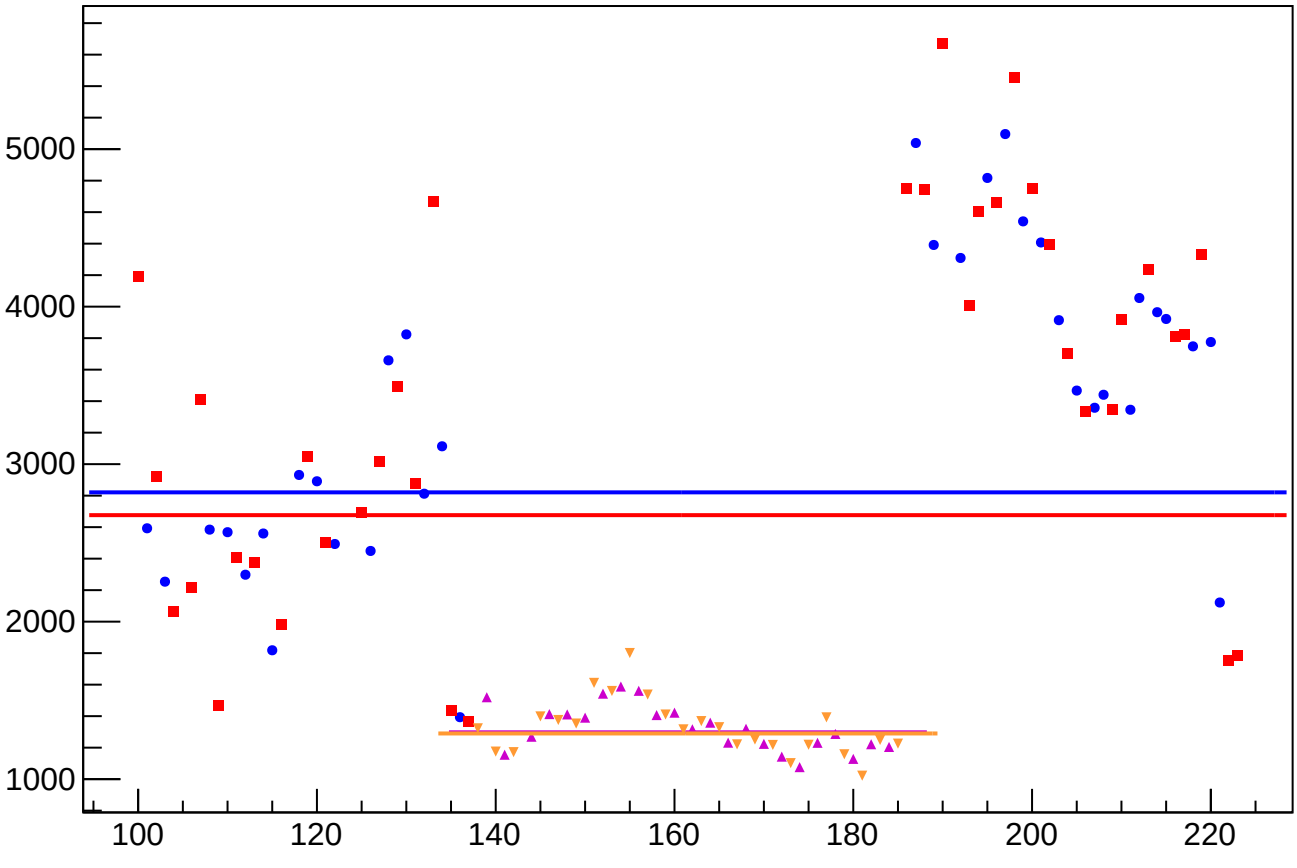
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -174.758+/-444.645 χ^2/NDF: 117.4/70

In: -249.112+/-275.703 χ^2/NDF:92.5/56

Out: -451.233+/-271.620 χ^2/NDF:125.1/60

All: -351.680+/-193.492 χ^2/NDF: 217.8/117



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

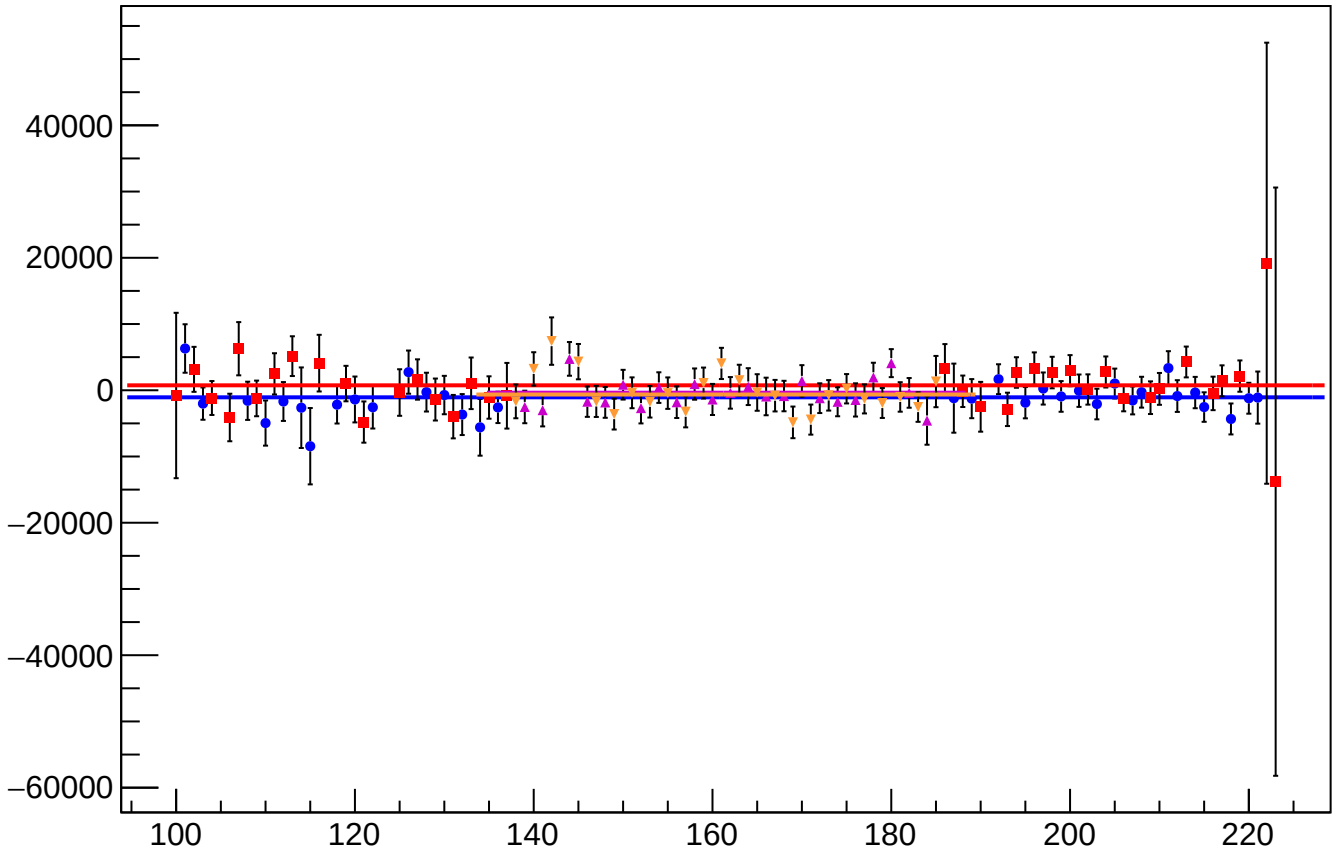
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2745.791+/-0.314 χ^2/NDF: 11777368.7/70

In: 1579.154+/-0.195 χ^2/NDF:14638429.8/56

Out: 1558.525+/-0.192 χ^2/NDF:15426241.5/60

All: 1568.686+/-0.137 χ^2/NDF: 30070353.5/1



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

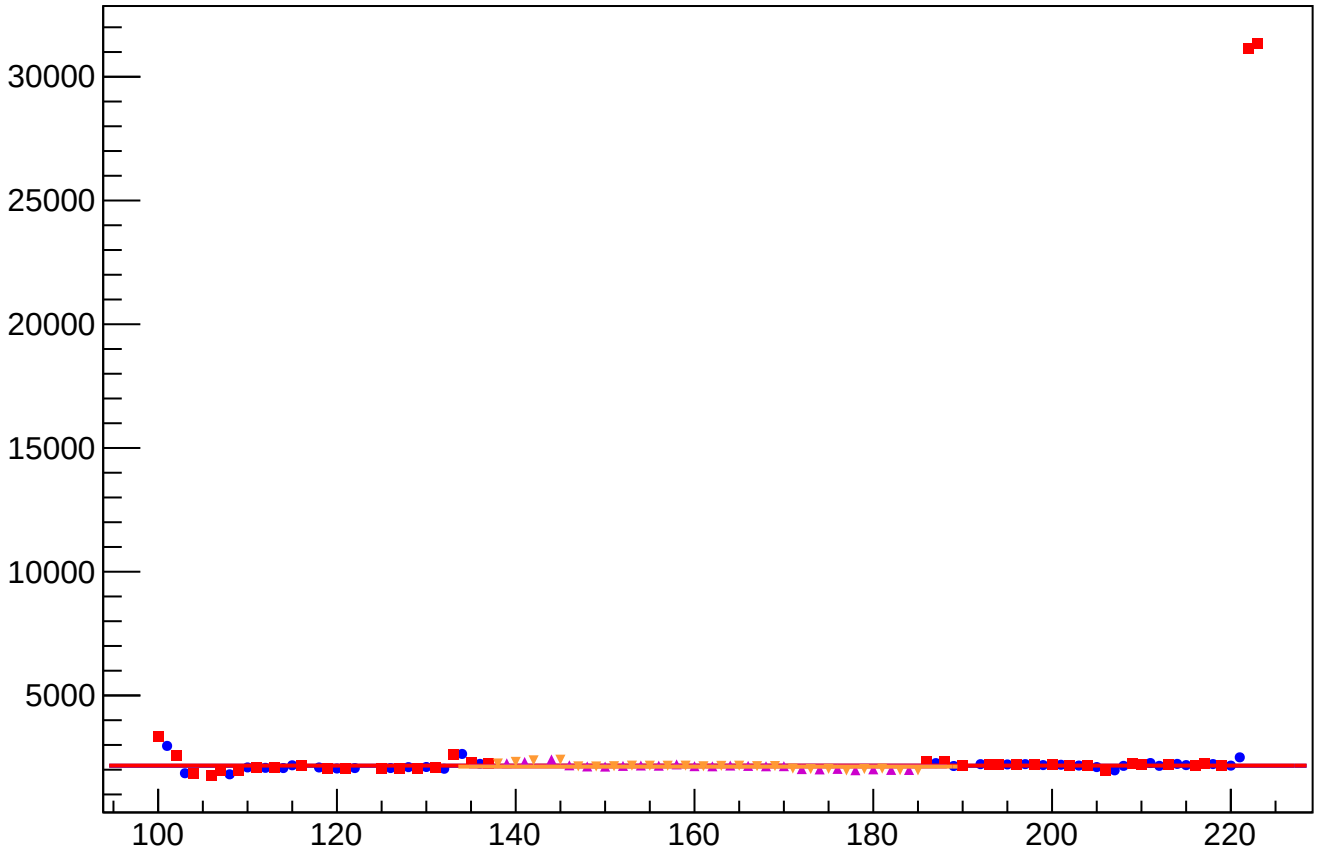
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -168.939+/-332.108 χ^2/NDF: 54.9/70

In: -738.149+/-340.750 χ^2/NDF:38.5/56

Out: 82.132+/-341.177 χ^2/NDF:58.6/60

All: -328.523+/-241.097 χ^2/NDF: 100.0/117



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

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

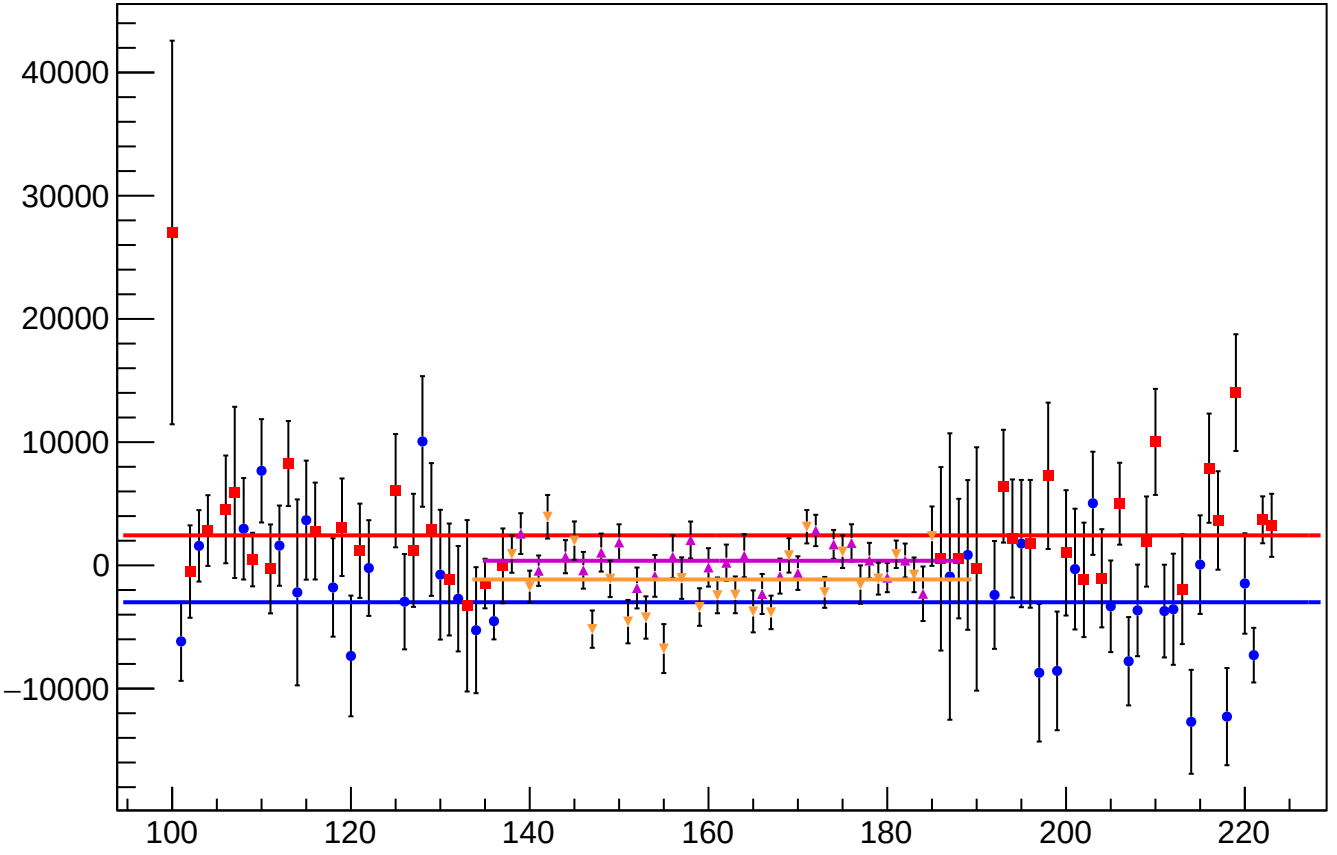
Right: 2162.549+/-0.235 χ^2/NDF: 2823382.4/70

In: 2145.085+/-0.241 χ^2/NDF:330109.8/56

Out: 2146.522+/-0.241 χ^2/NDF:2678665.5/60

All: 2145.803+/-0.170 χ^2/NDF: 3008793.0/11

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

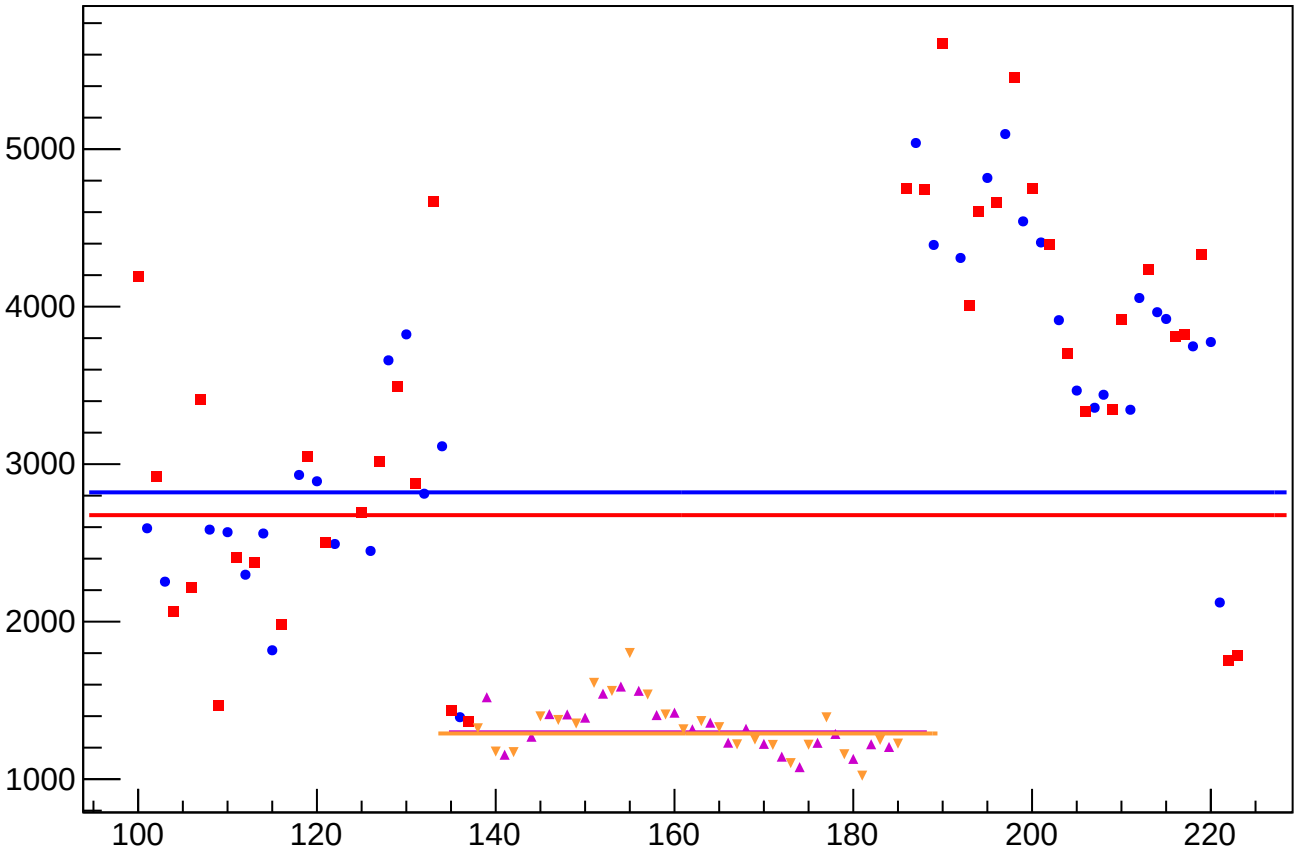
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -174.758+/-444.645 χ^2/NDF: 117.4/70

In: -249.112+/-275.703 χ^2/NDF:92.5/56

Out: -451.233+/-271.620 χ^2/NDF:125.1/60

All: -351.680+/-193.492 χ^2/NDF: 217.8/117



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

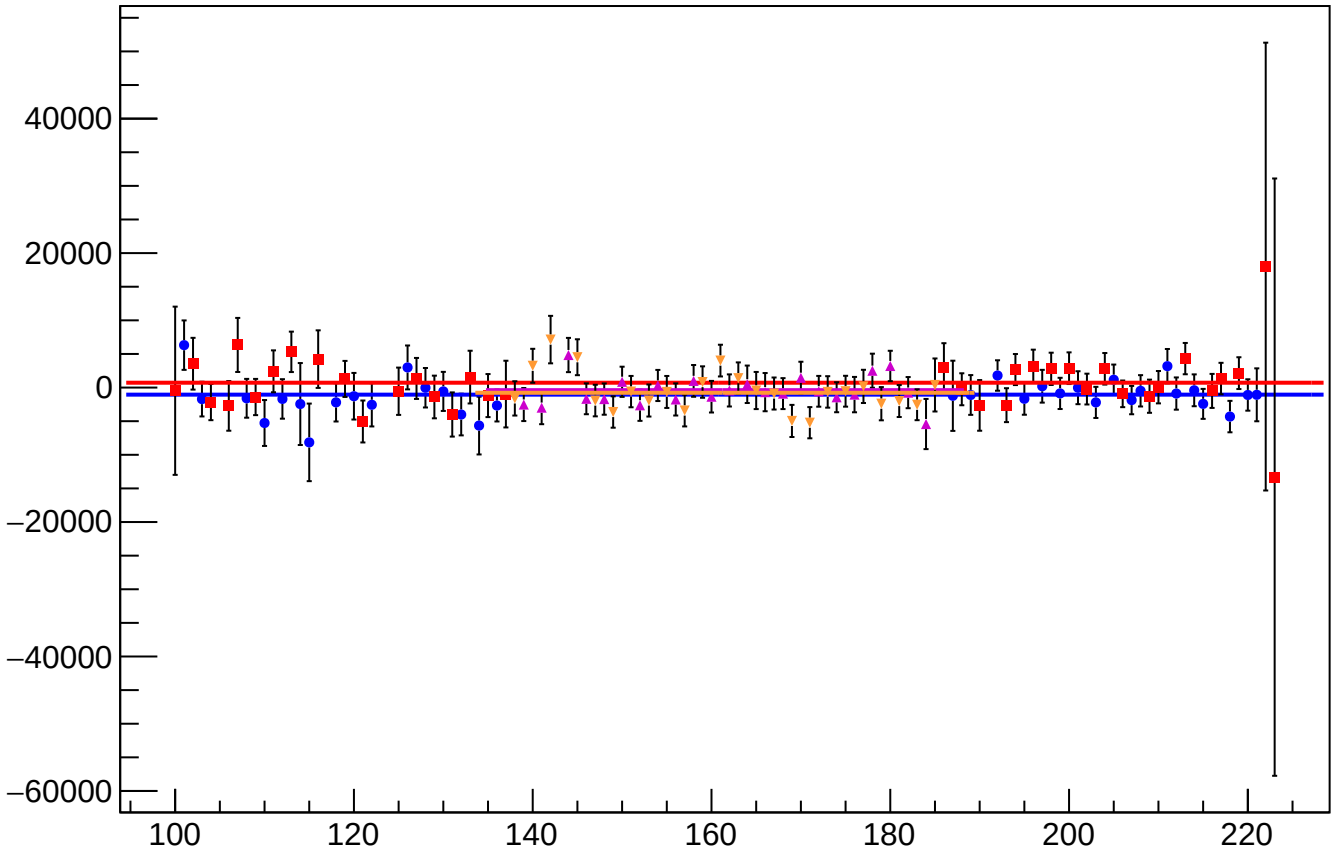
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2745.791+/-0.314 χ^2/NDF: 11777368.7/70

In: 1579.154+/-0.195 χ^2/NDF:14638429.8/56

Out: 1558.525+/-0.192 χ^2/NDF:15426241.5/60

All: 1568.686+/-0.137 χ^2/NDF: 30070353.5/1



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

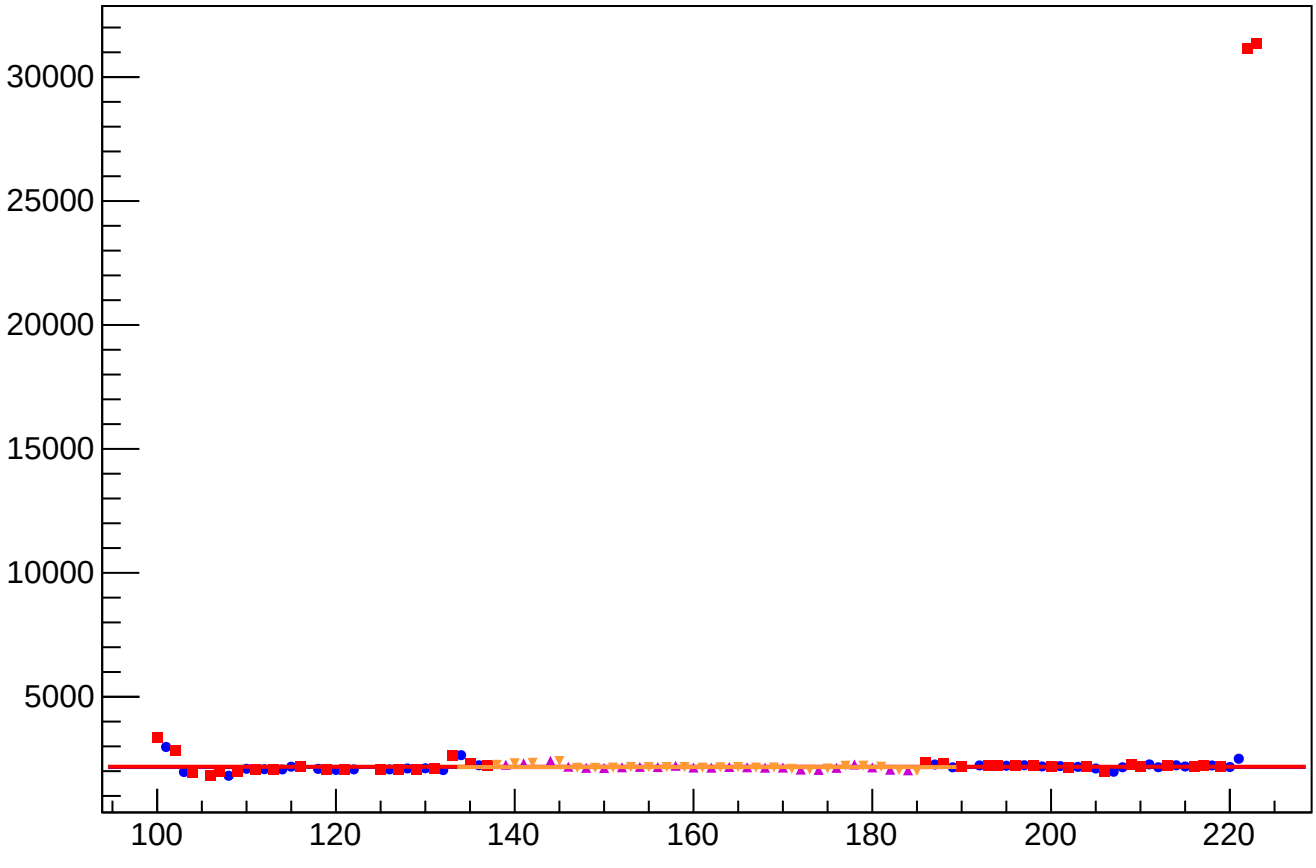
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -176.732+/-333.727 χ^2/NDF: 54.9/70

In: -744.432+/-344.007 χ^2/NDF:37.1/56

Out: 16.636+/-345.263 χ^2/NDF:60.6/60

All: -365.285+/-243.692 χ^2/NDF: 100.1/117



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

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

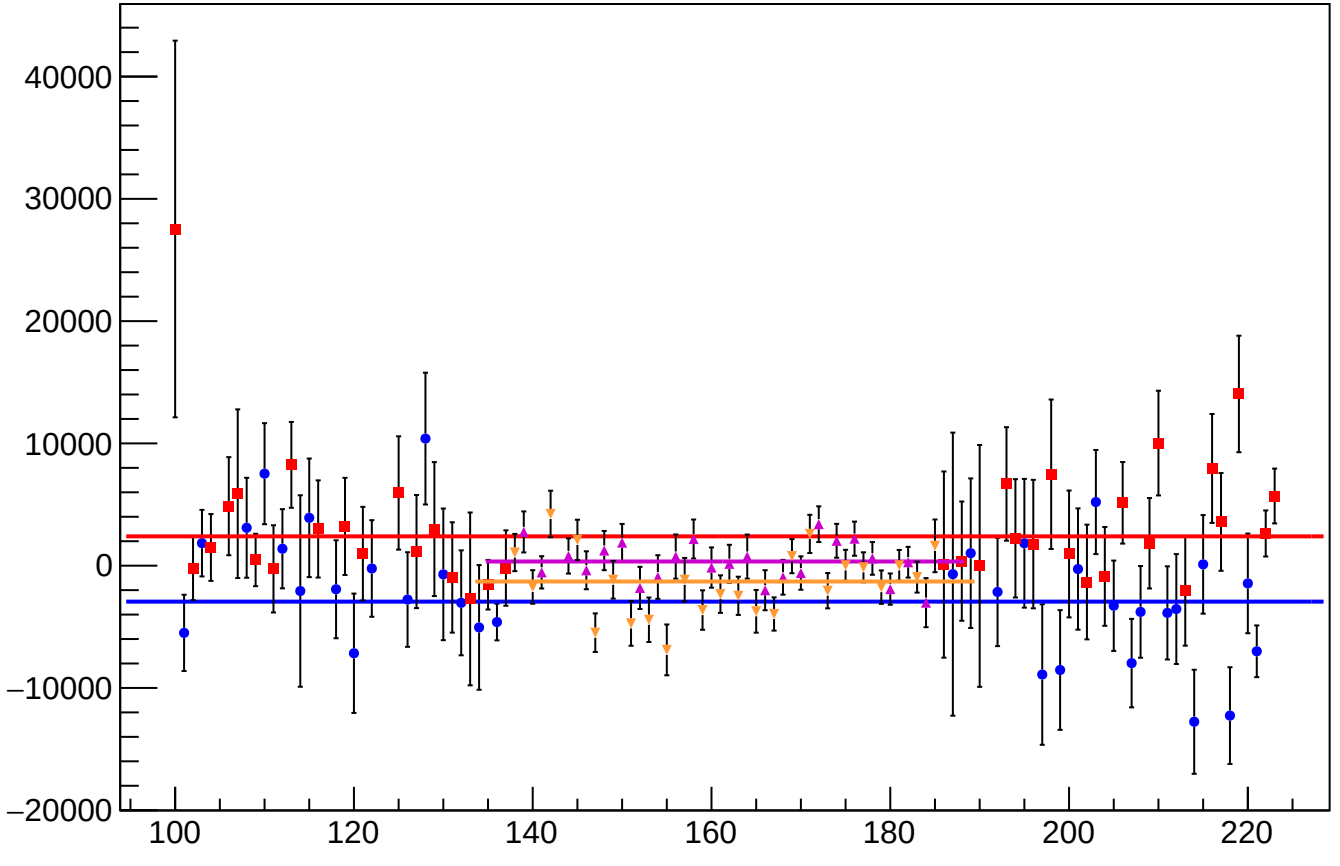
Right: 2172.347+/-0.236 χ^2/NDF: 2813116.6/70

In: 2166.265+/-0.243 χ^2/NDF:276648.3/56

Out: 2171.669+/-0.244 χ^2/NDF:2639470.2/60

All: 2168.957+/-0.172 χ^2/NDF: 2916364.4/11

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



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

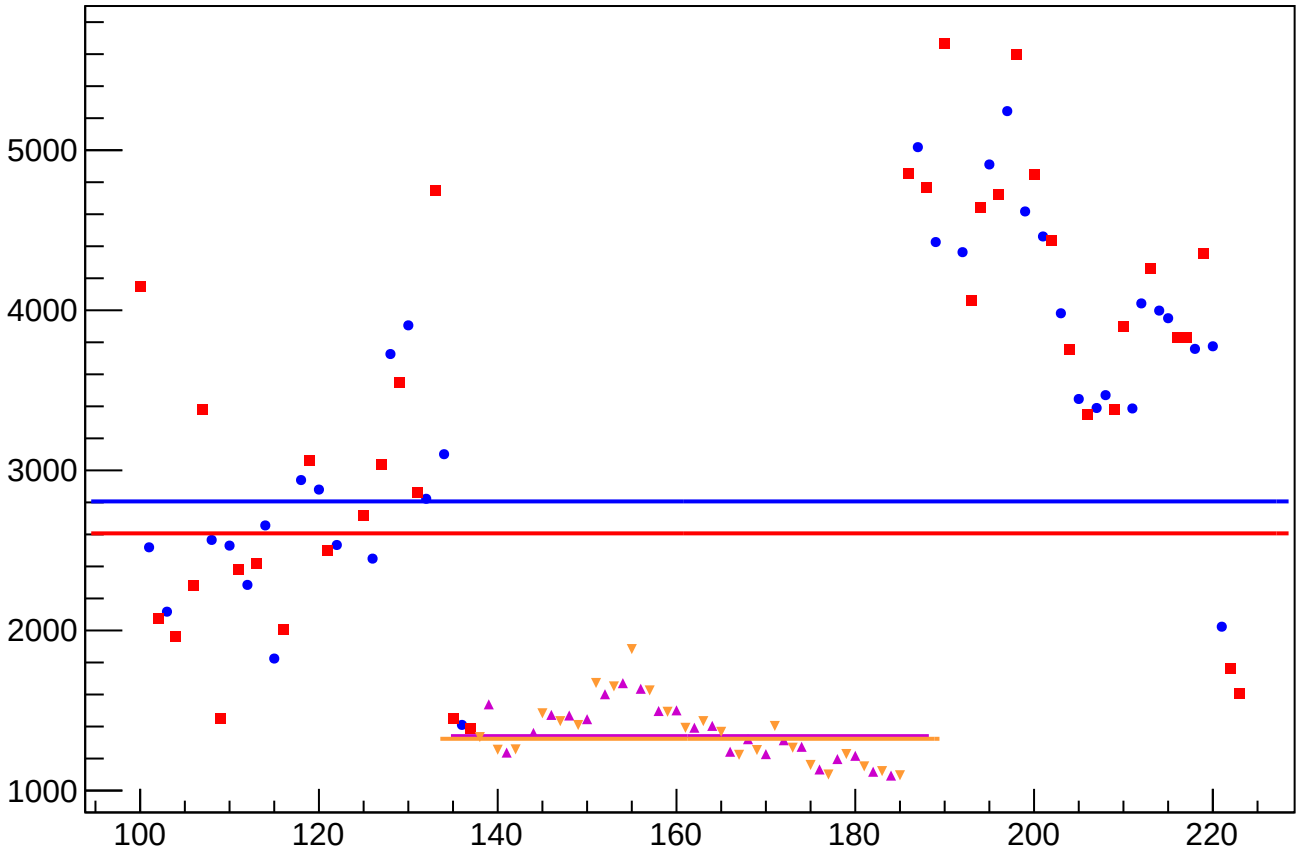
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -110.547+/-438.340 χ^2/NDF: 120.0/70

In: -301.448+/-282.982 χ^2/NDF:96.1/56

Out: -517.593+/-276.047 χ^2/NDF:121.4/60

All: -412.201+/-197.601 χ^2/NDF: 217.7/117



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

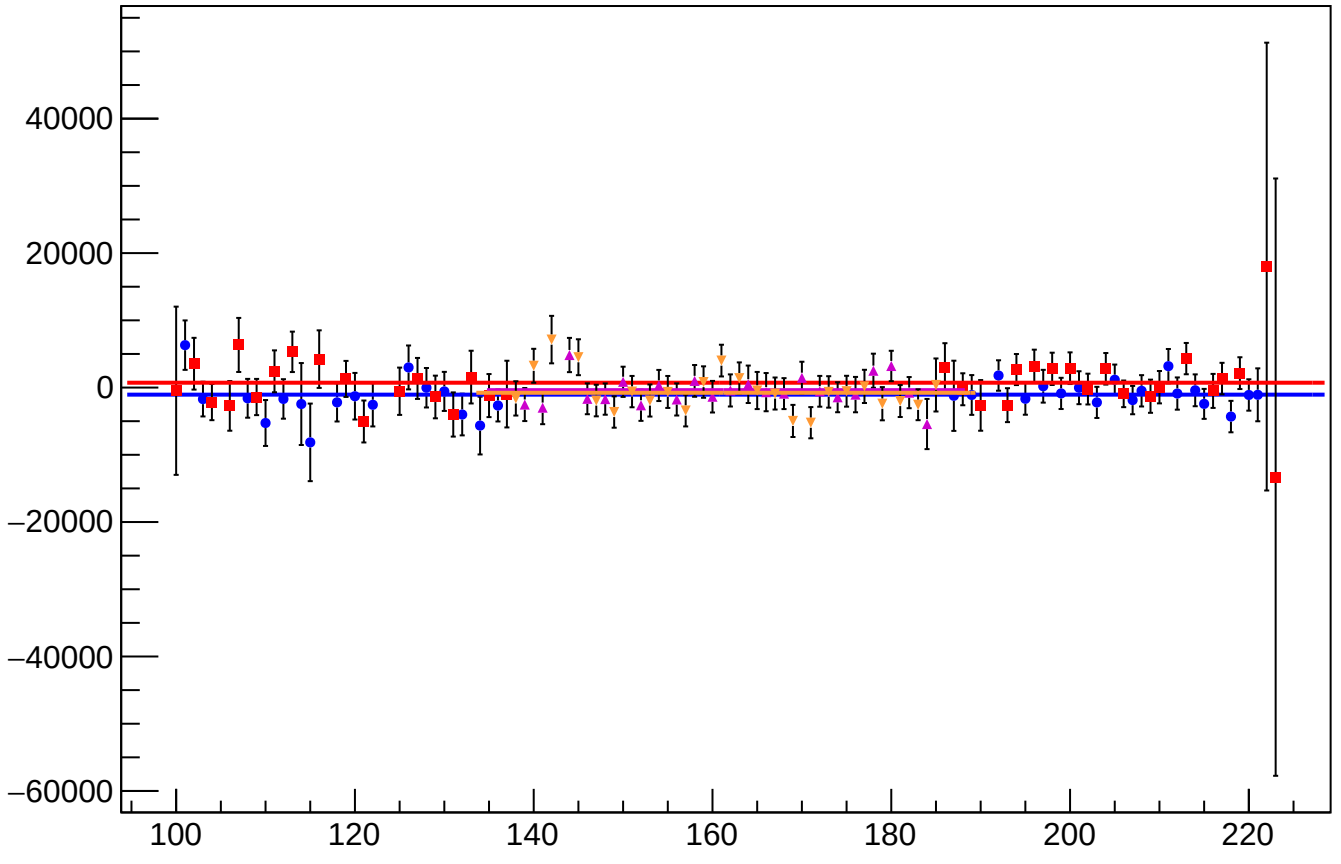
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2700.392+/-0.310 χ^2/NDF: 12452906.9/70

In: 1627.221+/-0.200 χ^2/NDF:14140662.7/56

Out: 1593.163+/-0.195 χ^2/NDF:14997137.7/60

All: 1609.769+/-0.140 χ^2/NDF: 29152644.8/



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

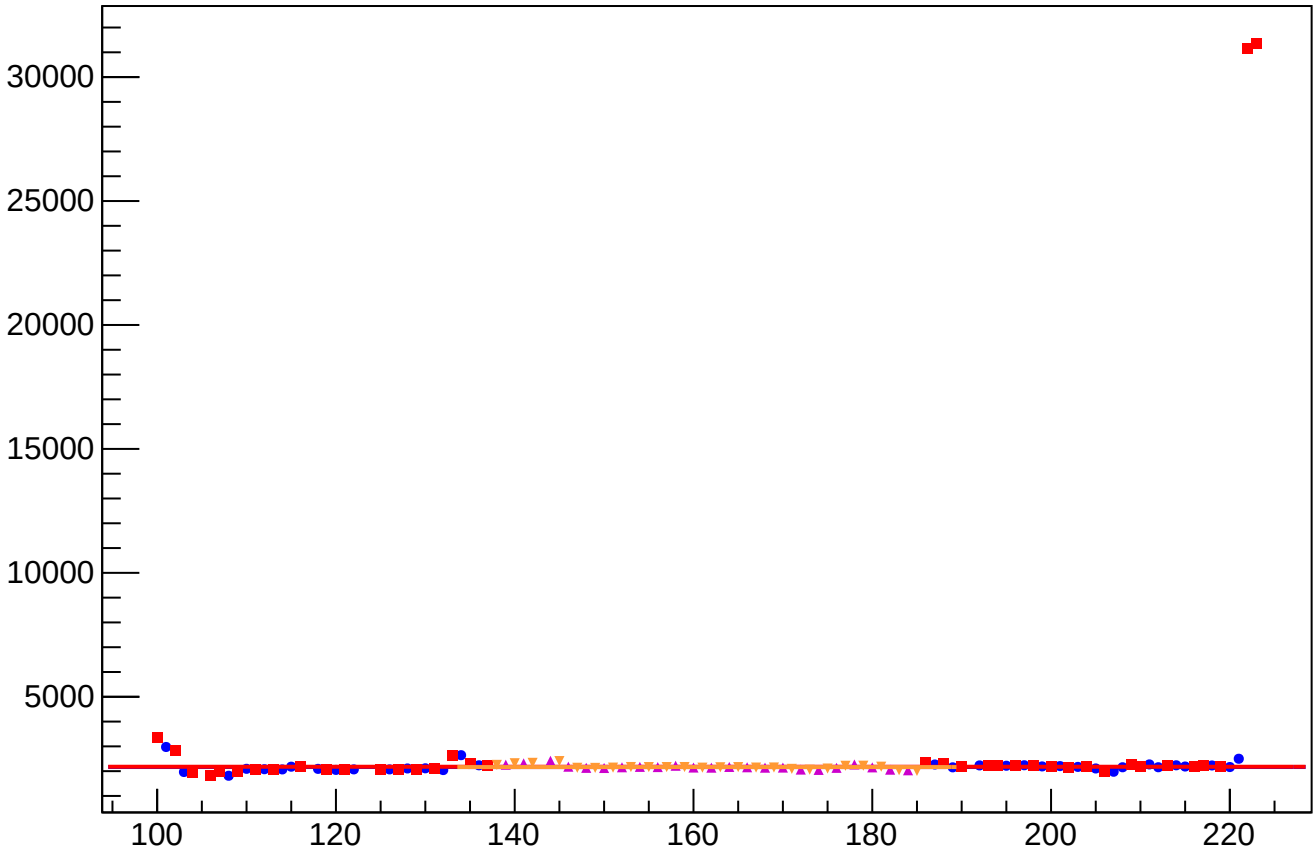
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -176.732+/-333.727 χ^2/NDF: 54.9/70

In: -744.427+/-344.007 χ^2/NDF:37.1/56

Out: 16.634+/-345.263 χ^2/NDF:60.6/60

All: -365.284+/-243.692 χ^2/NDF: 100.1/117



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

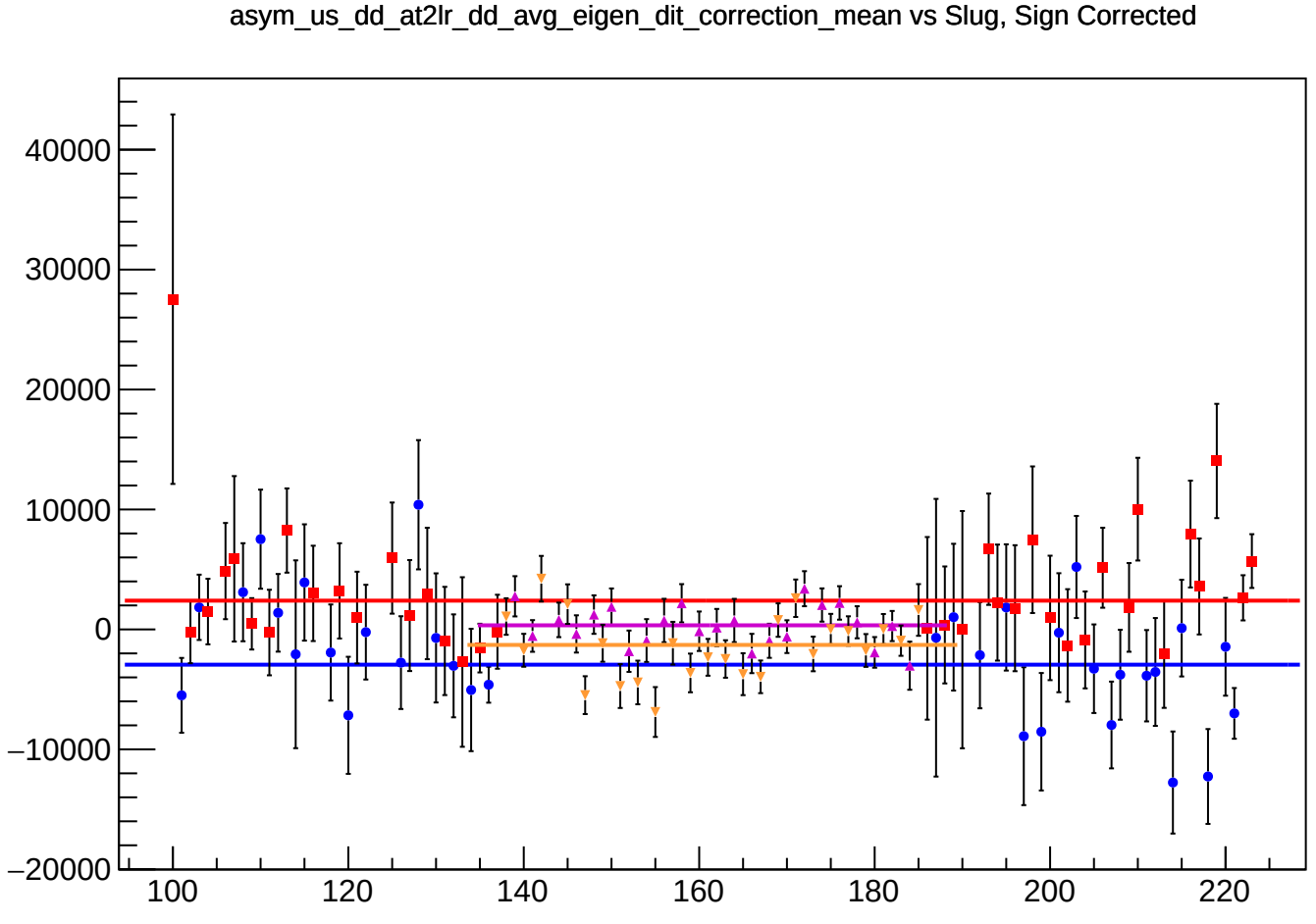
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2172.347+/-0.236 χ^2/NDF: 2813116.5/70

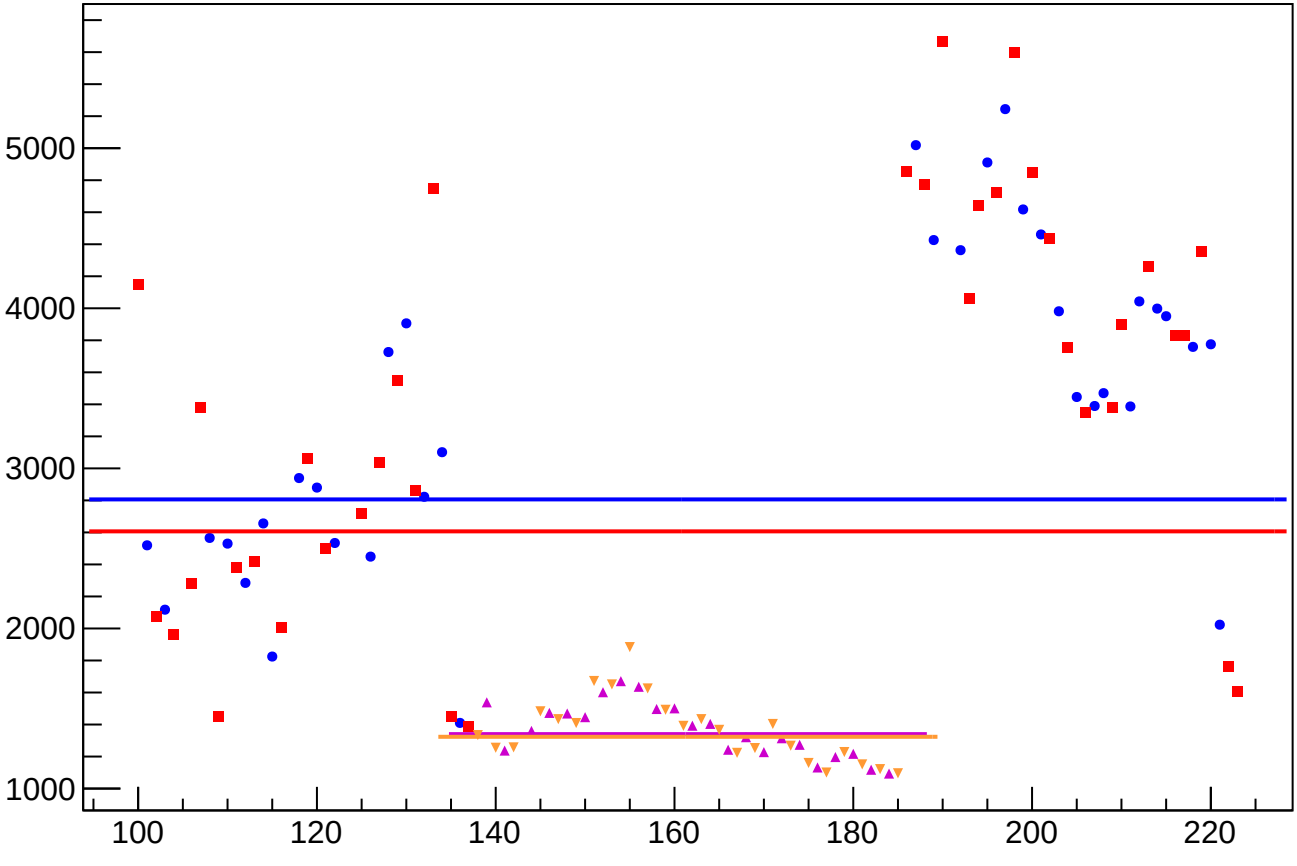
In: 2166.265+/-0.243 χ^2/NDF:276648.3/56

Out: 2171.668+/-0.244 χ^2/NDF:2639470.2/60

All: 2168.957+/-0.172 χ^2/NDF: 2916364.4/11


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -2940.377+/-639.438 χ²/NDF: 50.1/33
Left Out: -1293.717+/-310.622 χ²/NDF:58.7/23
Right Out: 2398.158+/-602.063 χ²/NDF: 33.0/36
Left In: 341.256+/-315.566 χ²/NDF:24.8/22
Left: -489.138+/-221.370 χ²/NDF: 97.1/46
Right: -110.543+/-438.341 χ²/NDF: 120.0/70
In: -301.447+/-282.982 χ²/NDF:96.1/56
Out: -517.595+/-276.047 χ²/NDF:121.4/60
All: -412.202+/-197.601 χ²/NDF: 217.7/117

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

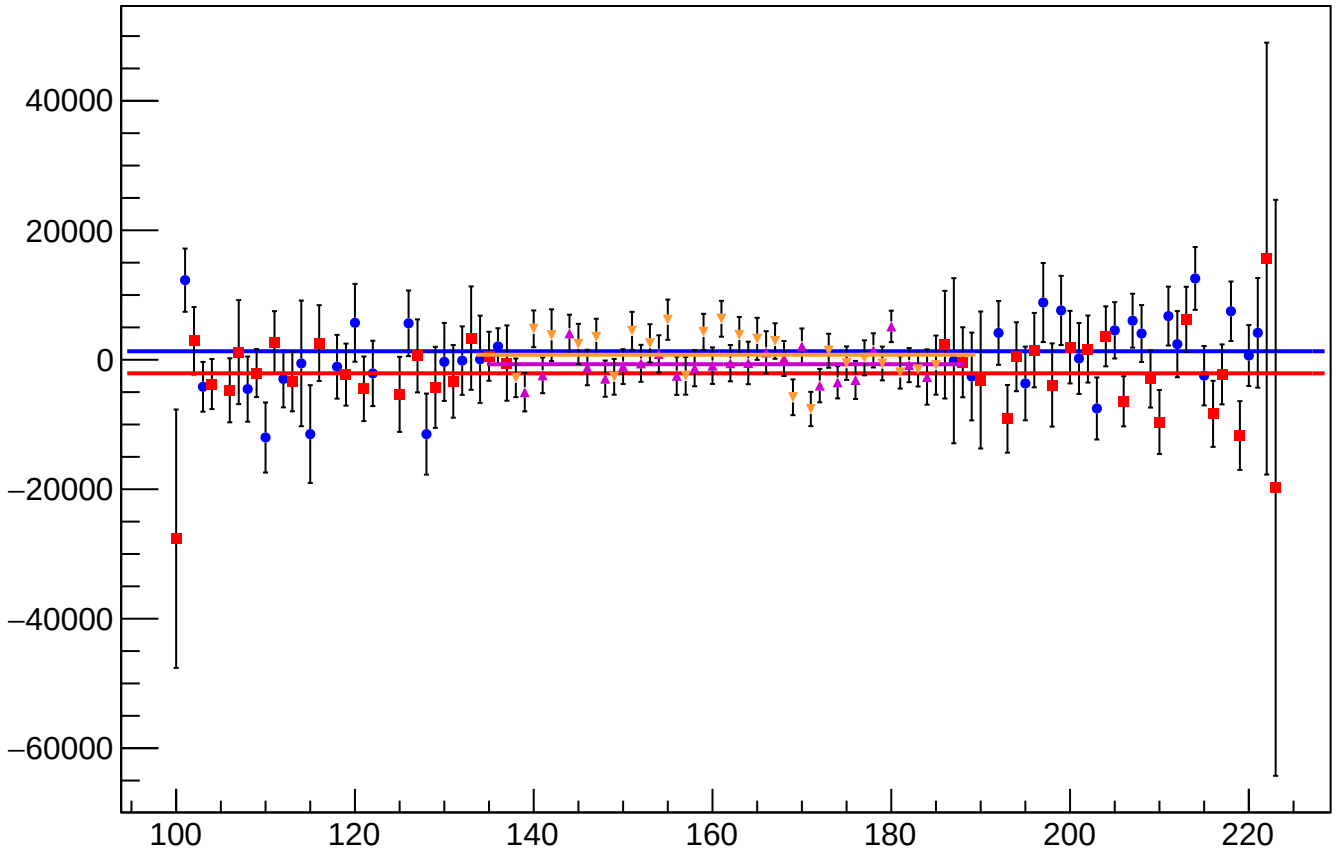
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2700.401+/-0.310 χ^2/NDF: 12452701.0/70

In: 1627.220+/-0.200 χ^2/NDF:14140653.9/56

Out: 1593.164+/-0.195 χ^2/NDF:14997126.5/60

All: 1609.769+/-0.140 χ^2/NDF: 29152623.5/1



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

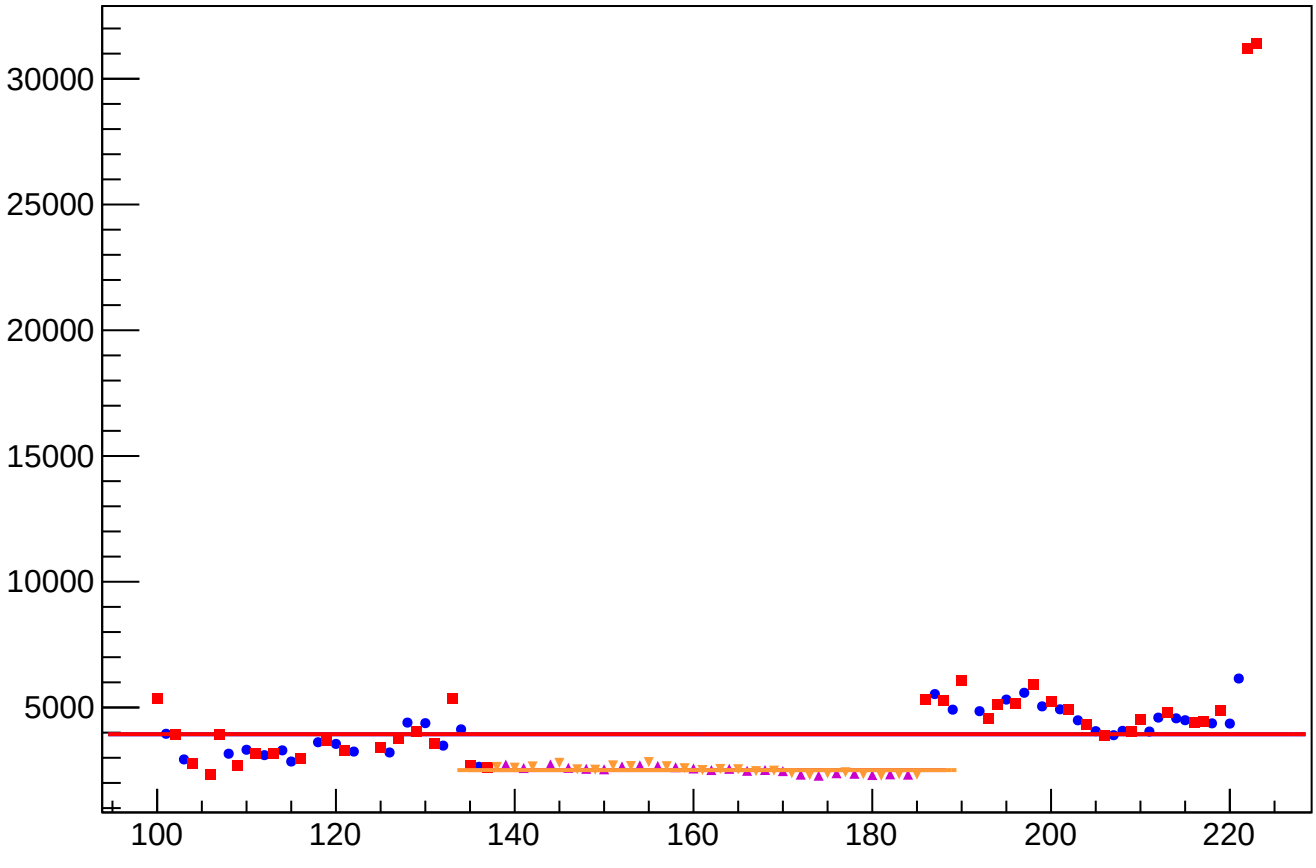
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -362.243+/-617.144 χ^2/NDF: 75.8/70

In: -58.122+/-486.177 χ^2/NDF:66.2/56

Out: -101.842+/-486.332 χ^2/NDF:70.7/60

All: -79.975+/-343.834 χ^2/NDF: 136.9/117



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

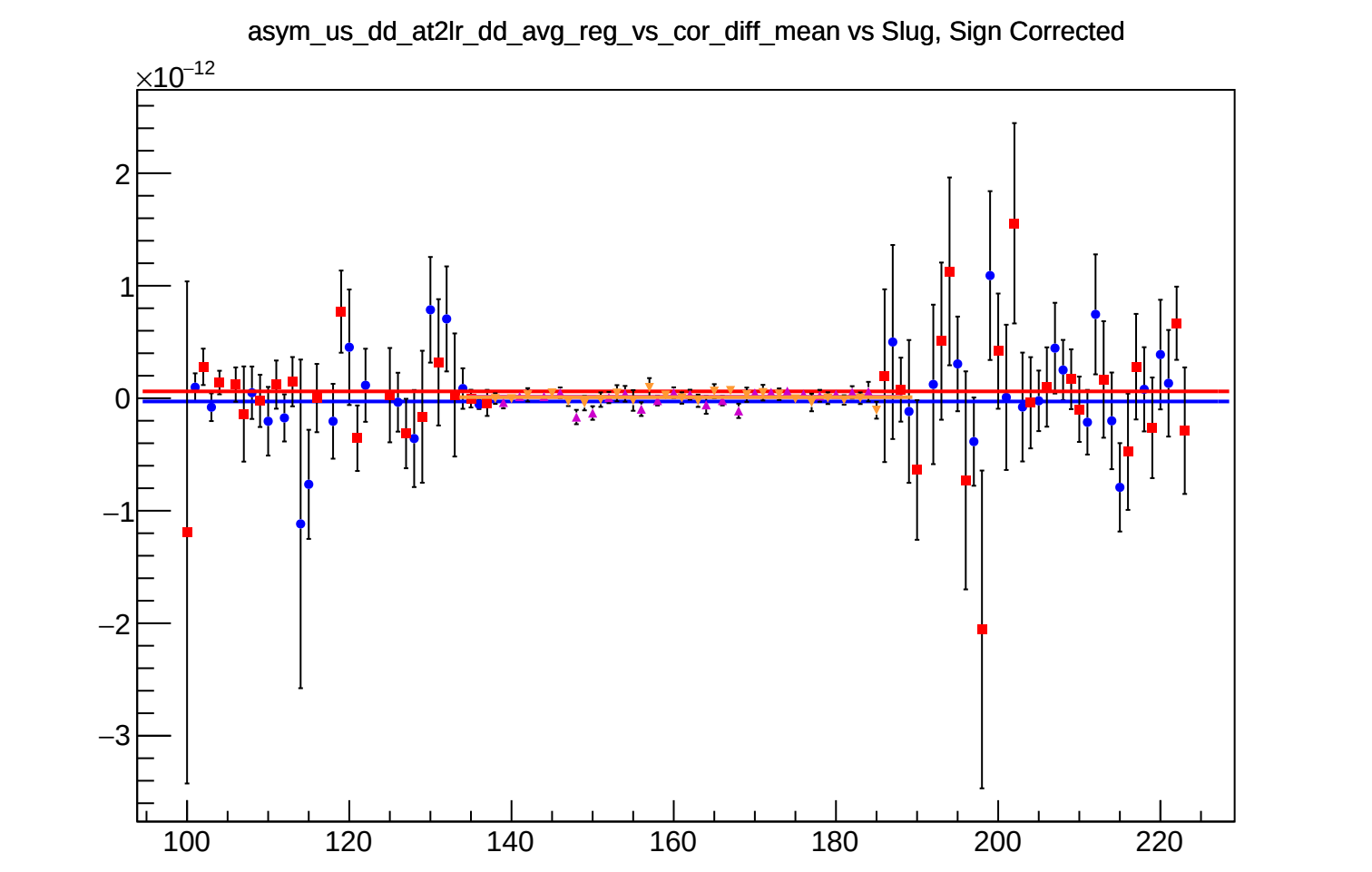
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3937.068+/-0.436 χ^2/NDF: 6126931.7/70

In: 2959.943+/-0.344 χ^2/NDF:5557695.3/56

Out: 2947.142+/-0.344 χ^2/NDF:8176754.0/60

All: 2953.545+/-0.243 χ^2/NDF: 13735142.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/36

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

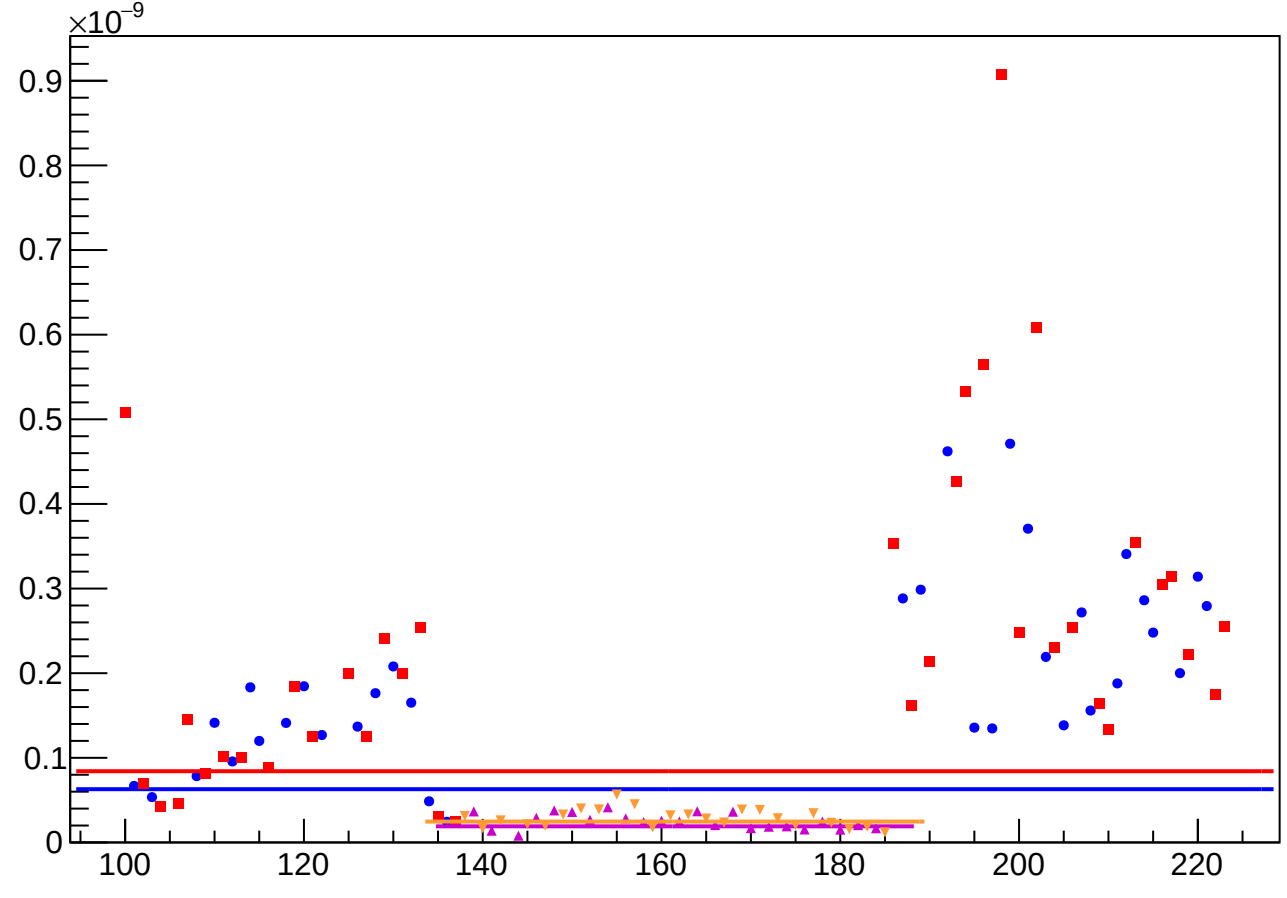
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 58.7/70

In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: 0.000+/-0.000 χ^2/NDF:42.2/60

All: 0.000+/-0.000 χ^2/NDF: 101.9/117



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

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

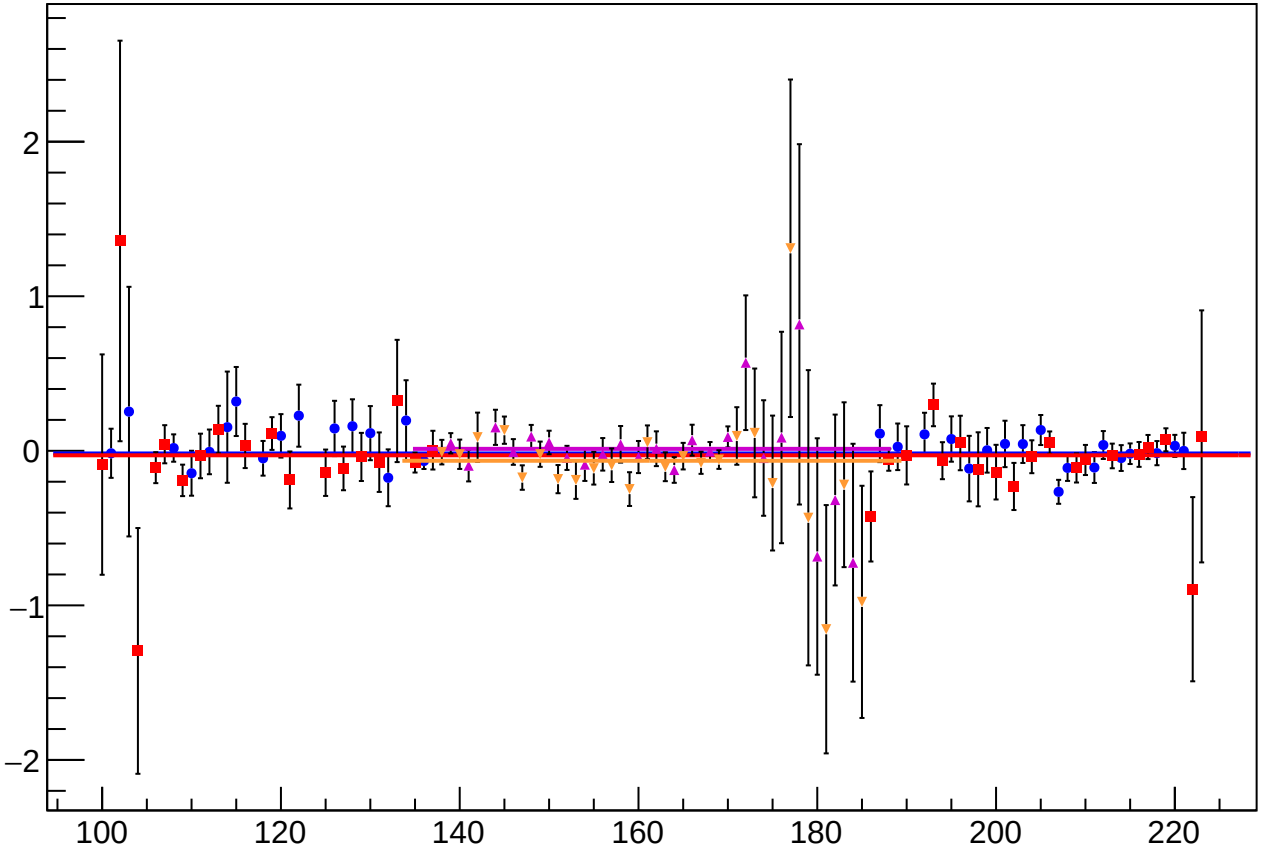
Right: 0.000+/-0.000 χ^2/NDF: 19010057.2/70

In: 0.000+/-0.000 χ^2/NDF:14952644.6/56

Out: 0.000+/-0.000 χ^2/NDF:14934738.0/60

All: 0.000+/-0.000 χ^2/NDF: 30379304.8/117

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

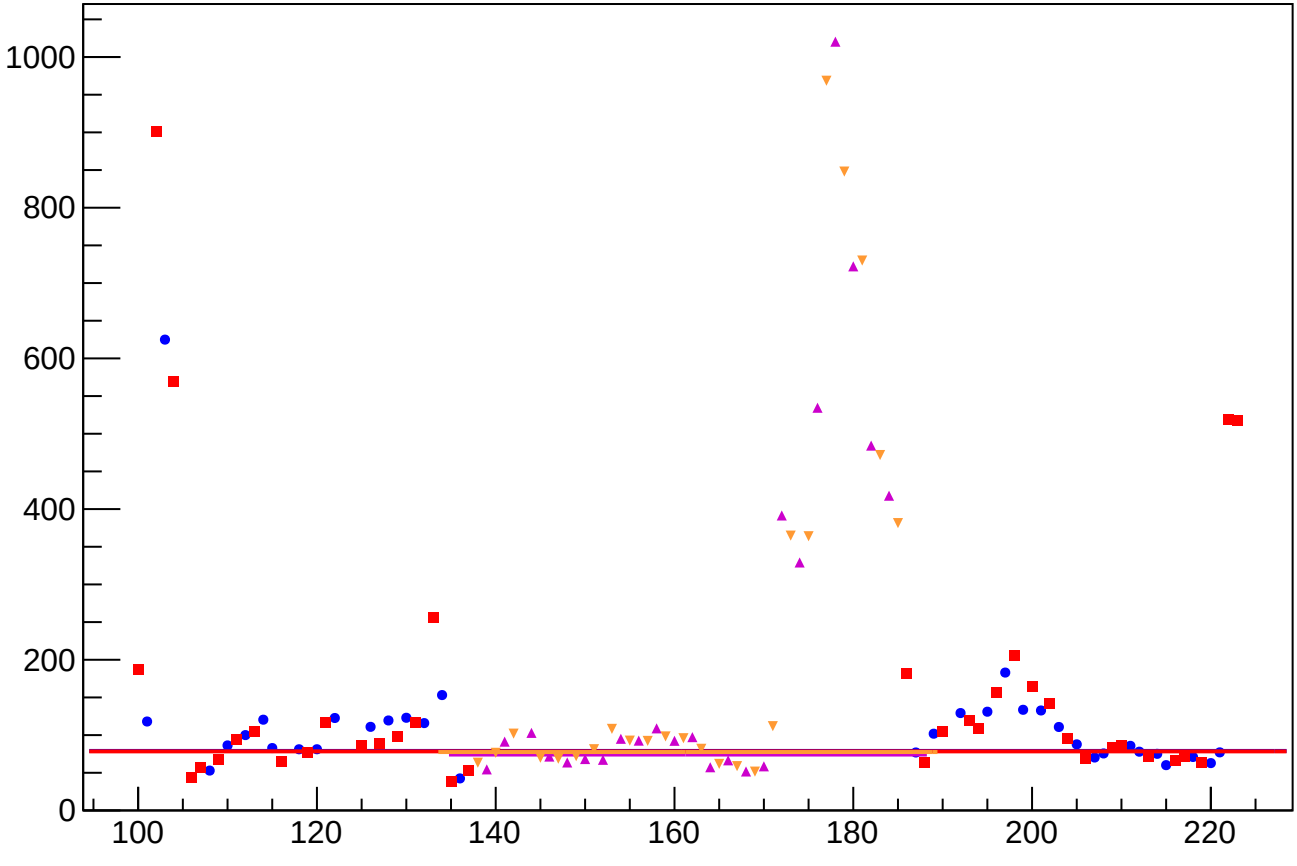
Right: -0.023+/-0.014 χ^2/NDF: 59.0/70

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:54.0/60

All: -0.023+/-0.010 χ^2/NDF: 102.7/117

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

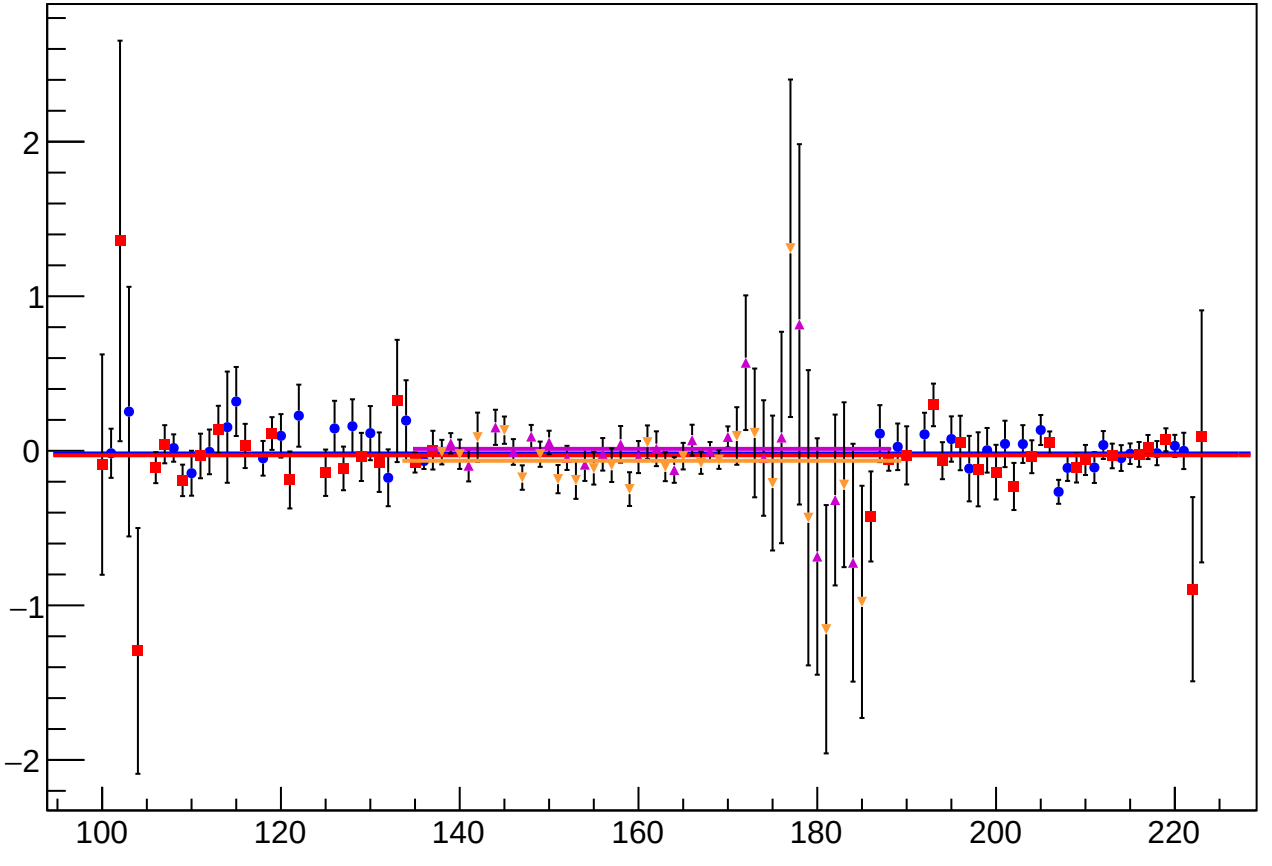
Right: 78.717+/-0.010 χ^2/NDF: 12882814.1/70

In: 76.848+/-0.010 χ^2/NDF:13547577.5/56

Out: 78.040+/-0.010 χ^2/NDF:16237856.6/60

All: 77.425+/-0.007 χ^2/NDF: 29792299.3/117

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

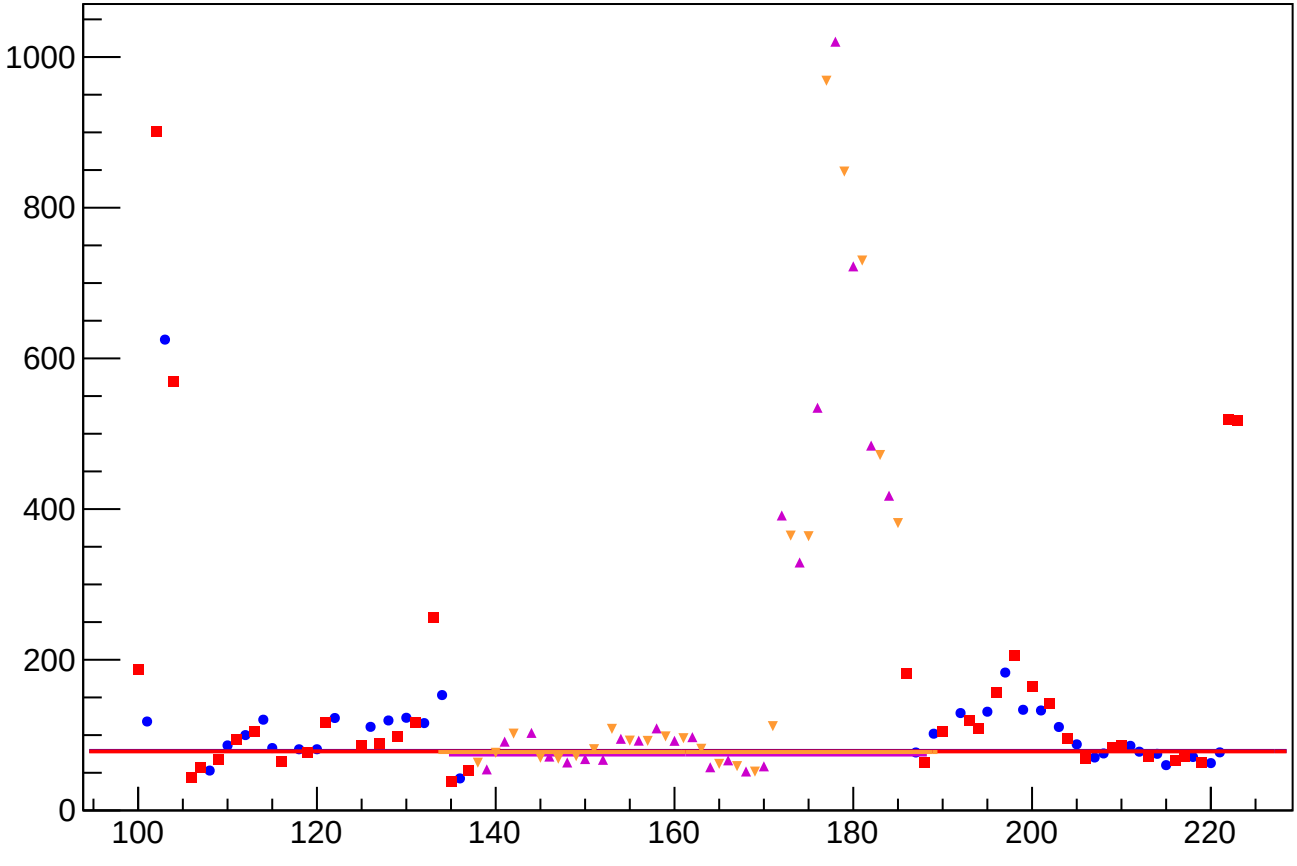
Right: -0.023+/-0.014 χ^2/NDF: 59.0/70

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:54.0/60

All: -0.023+/-0.010 χ^2/NDF: 102.7/117

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

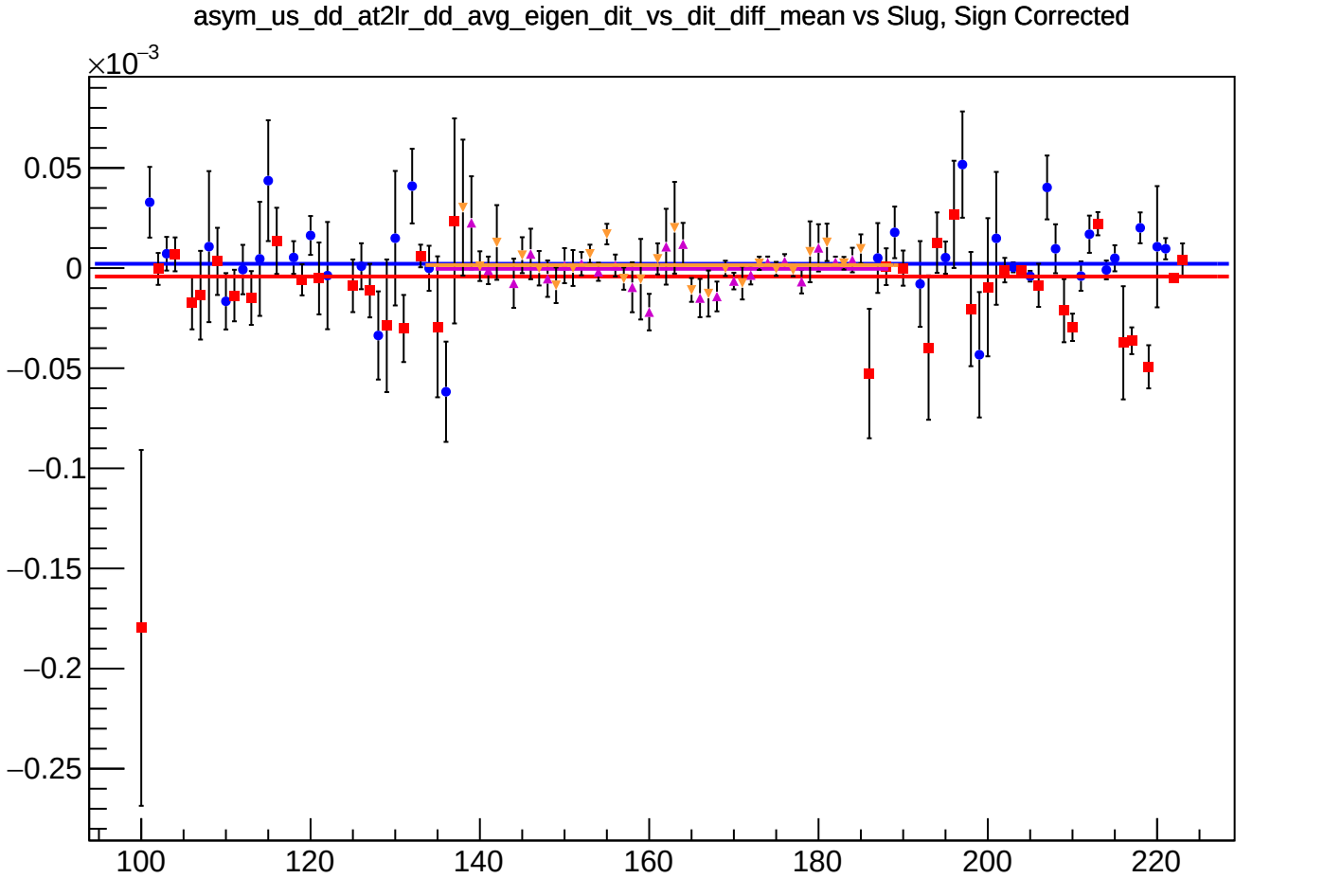
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 78.717+/-0.010 χ^2/NDF: 12882814.1/70

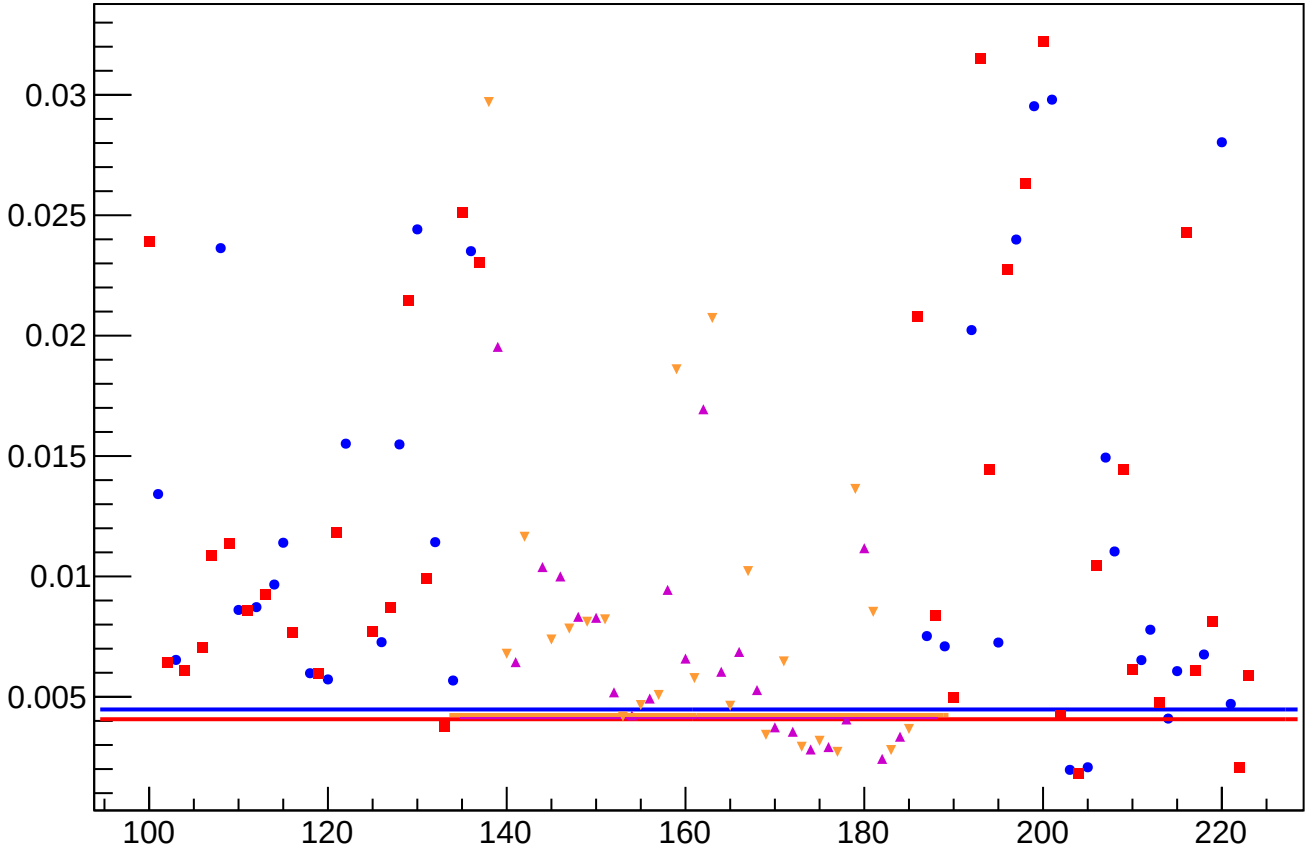
In: 76.848+/-0.010 χ^2/NDF:13547577.5/56

Out: 78.040+/-0.010 χ^2/NDF:16237856.6/60

All: 77.425+/-0.007 χ^2/NDF: 29792299.3/117


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 54.1/33
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 104.8/36
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: -0.000+/-0.000 χ²/NDF: 171.7/70
In: 0.000+/-0.000 χ²/NDF:80.7/56
Out: -0.000+/-0.000 χ²/NDF:143.7/60
All: -0.000+/-0.000 χ²/NDF: 227.2/117

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 16960258.1/33

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 18101441.9/36

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

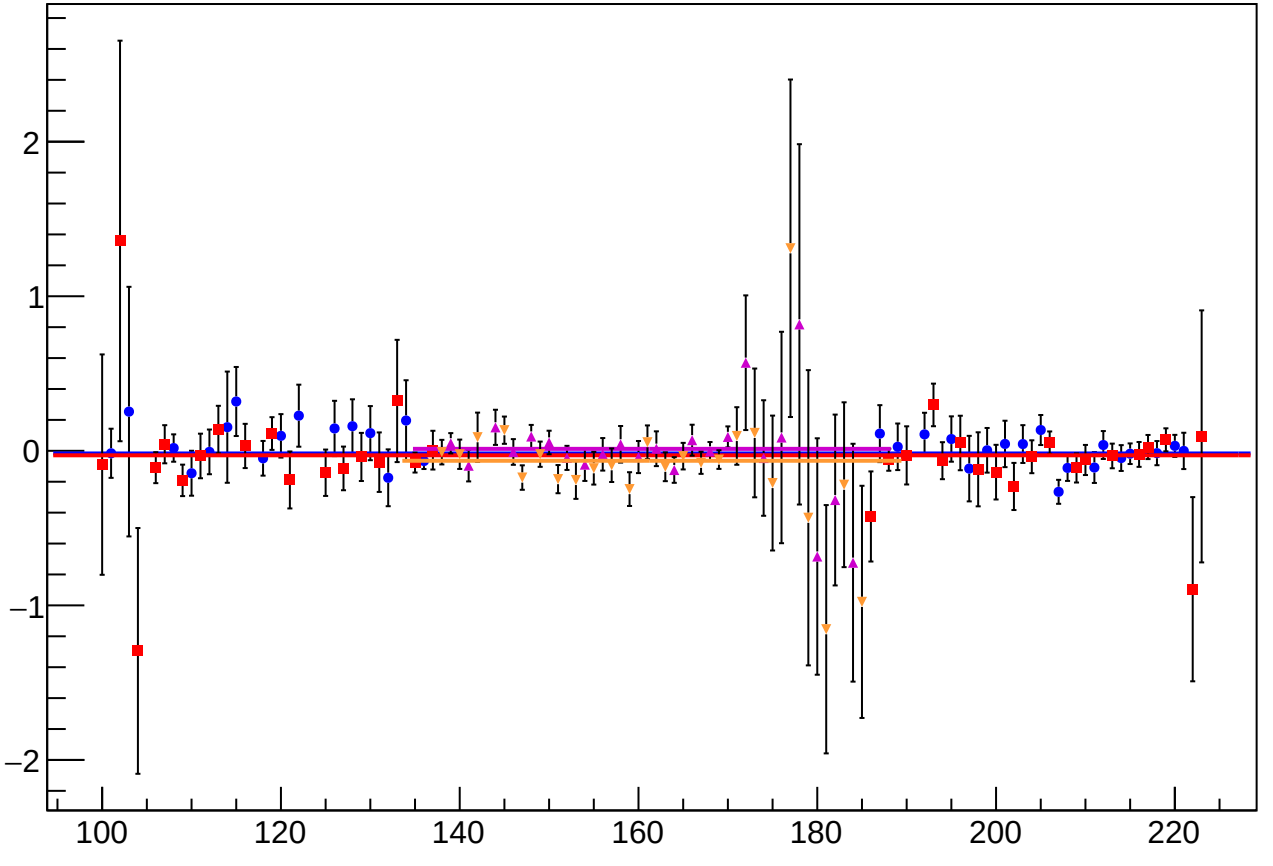
Right: 0.004+/-0.000 χ^2/NDF: 35166058.2/70

In: 0.004+/-0.000 χ^2/NDF:23912991.1/56

Out: 0.004+/-0.000 χ^2/NDF:26774539.4/60

All: 0.004+/-0.000 χ^2/NDF: 50713325.3/117

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

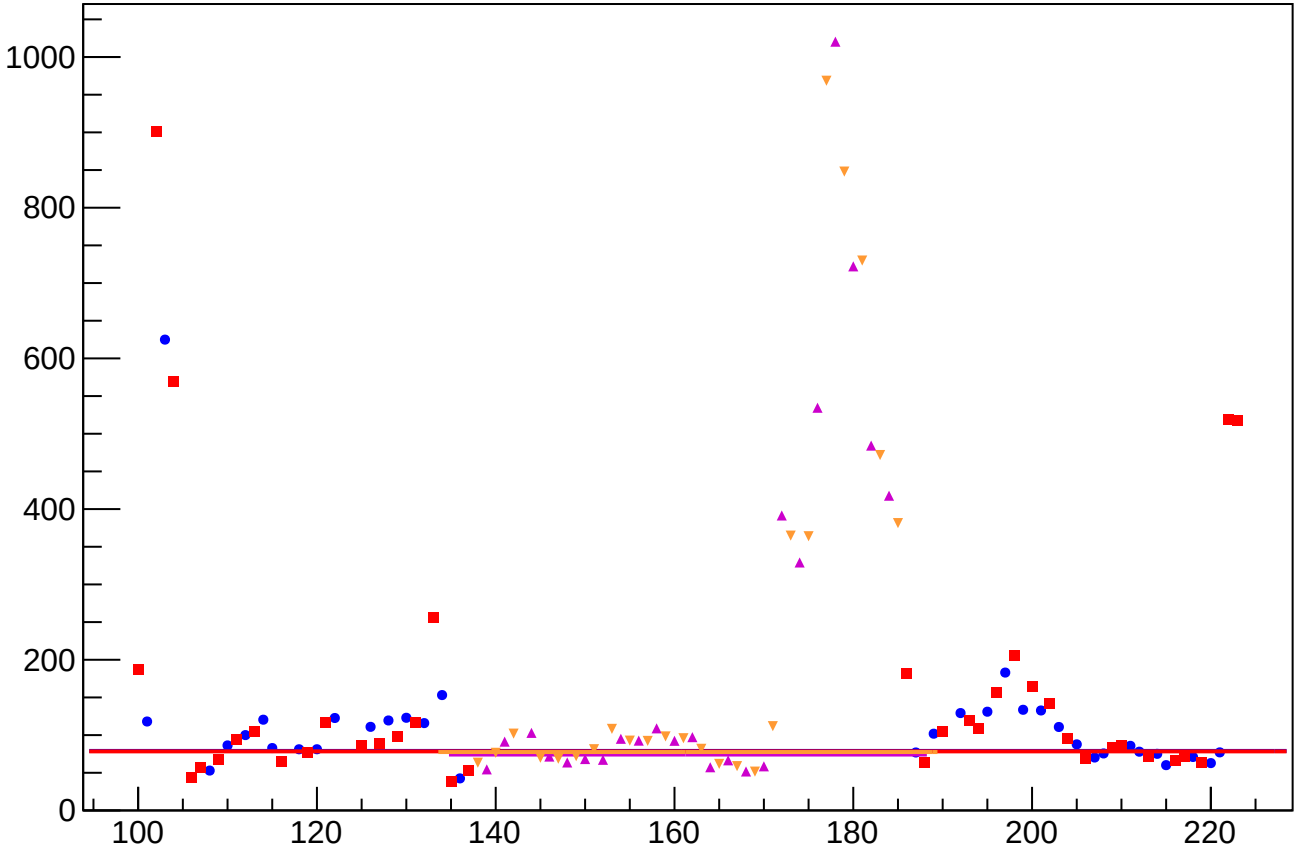
Right: -0.023+/-0.014 χ^2/NDF: 59.0/70

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:54.0/60

All: -0.023+/-0.010 χ^2/NDF: 102.7/117

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

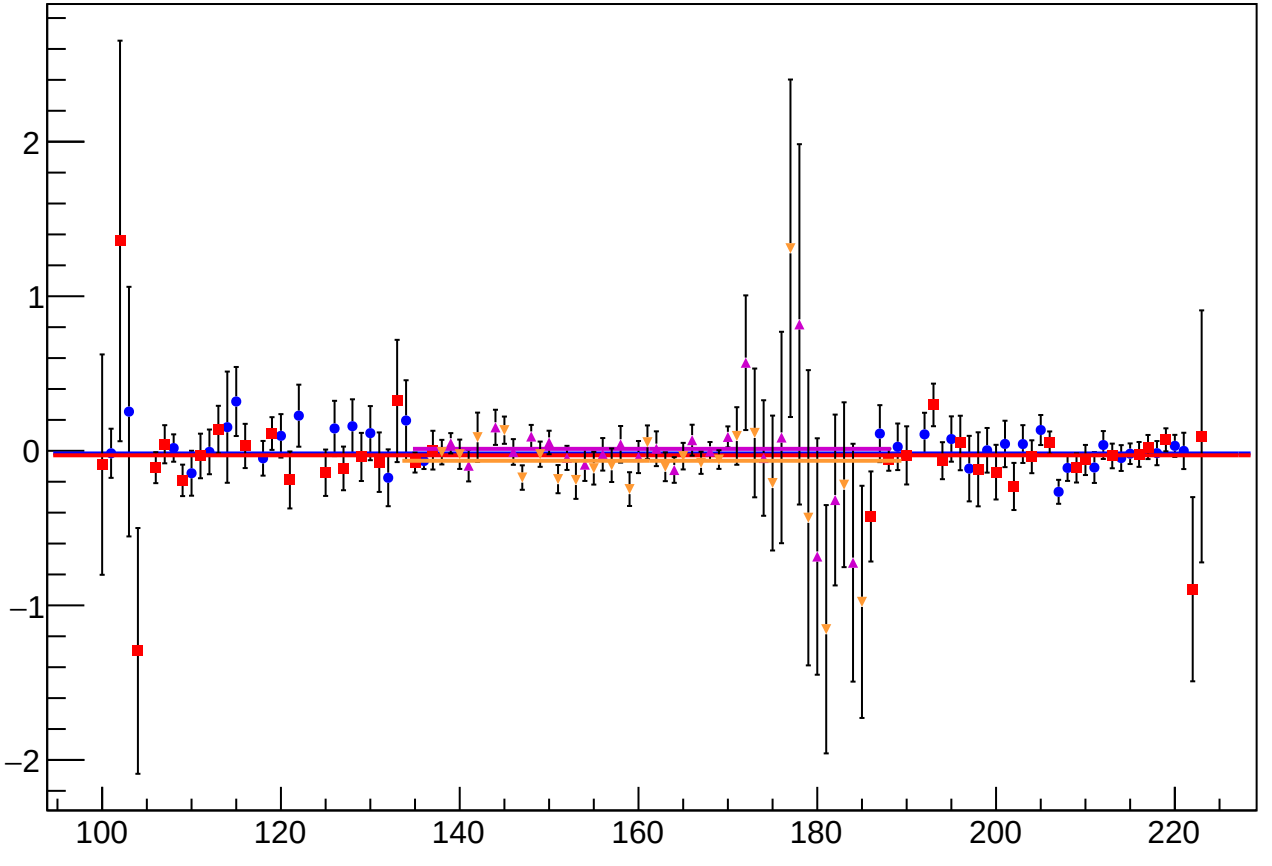
Right: 78.720+/-0.010 χ^2/NDF: 12881480.0/70

In: 76.854+/-0.010 χ^2/NDF:13544634.5/56

Out: 78.037+/-0.010 χ^2/NDF:16239212.5/60

All: 77.427+/-0.007 χ^2/NDF: 29790619.7/117

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

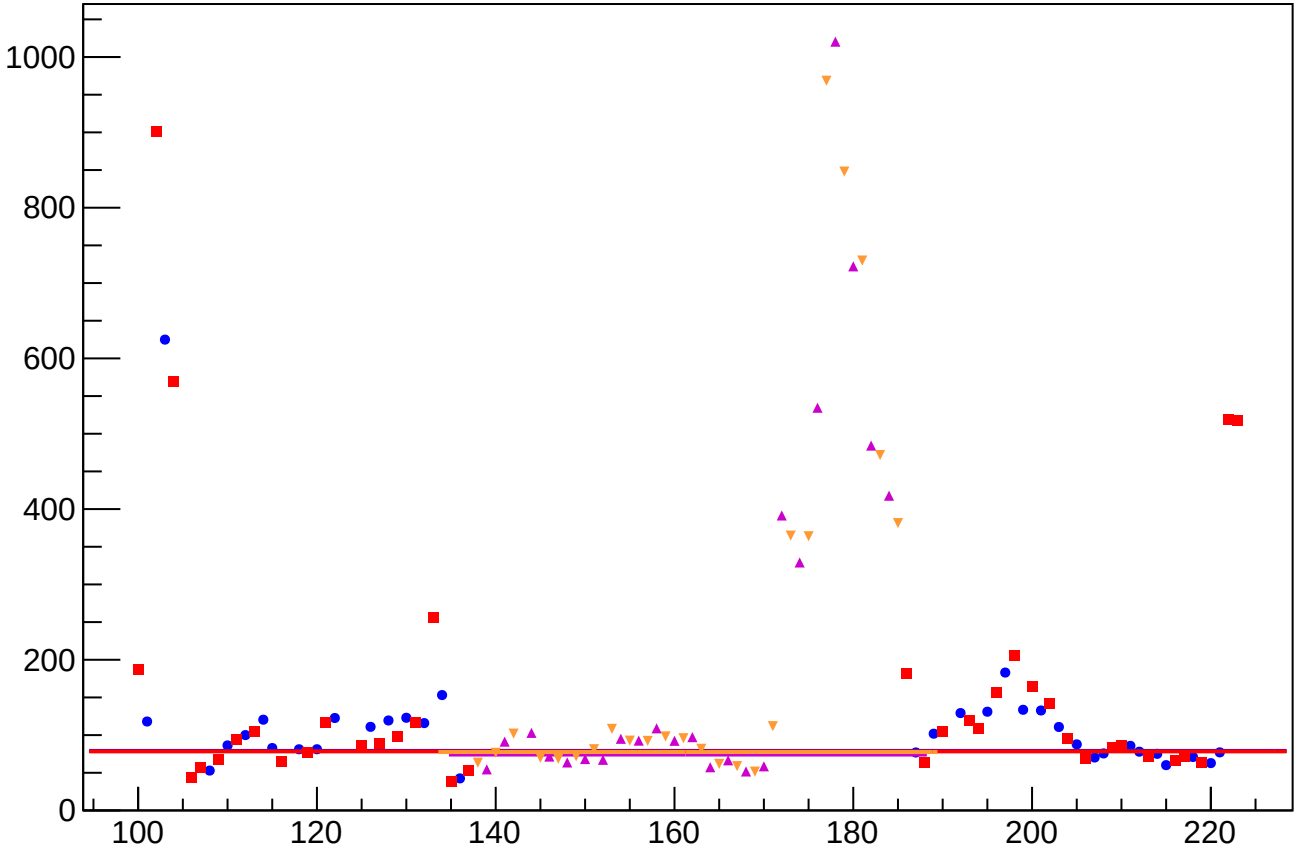
Right: -0.023+/-0.014 χ^2/NDF: 59.0/70

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:54.0/60

All: -0.023+/-0.010 χ^2/NDF: 102.7/117

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

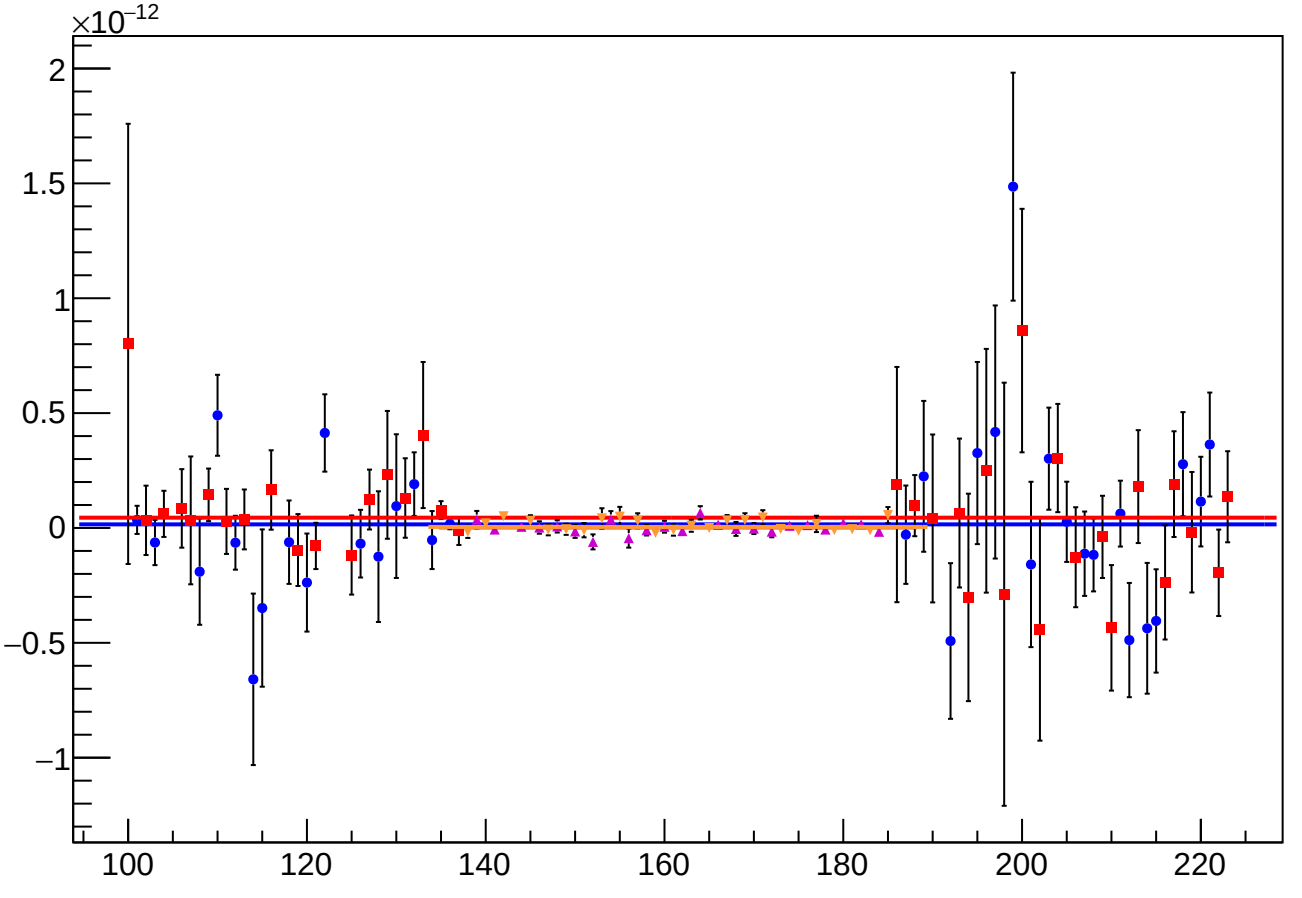
Right: 78.720+/-0.010 χ^2/NDF: 12881480.0/70

In: 76.854+/-0.010 χ^2/NDF:13544634.5/56

Out: 78.037+/-0.010 χ^2/NDF:16239212.5/60

All: 77.427+/-0.007 χ^2/NDF: 29790619.7/117

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

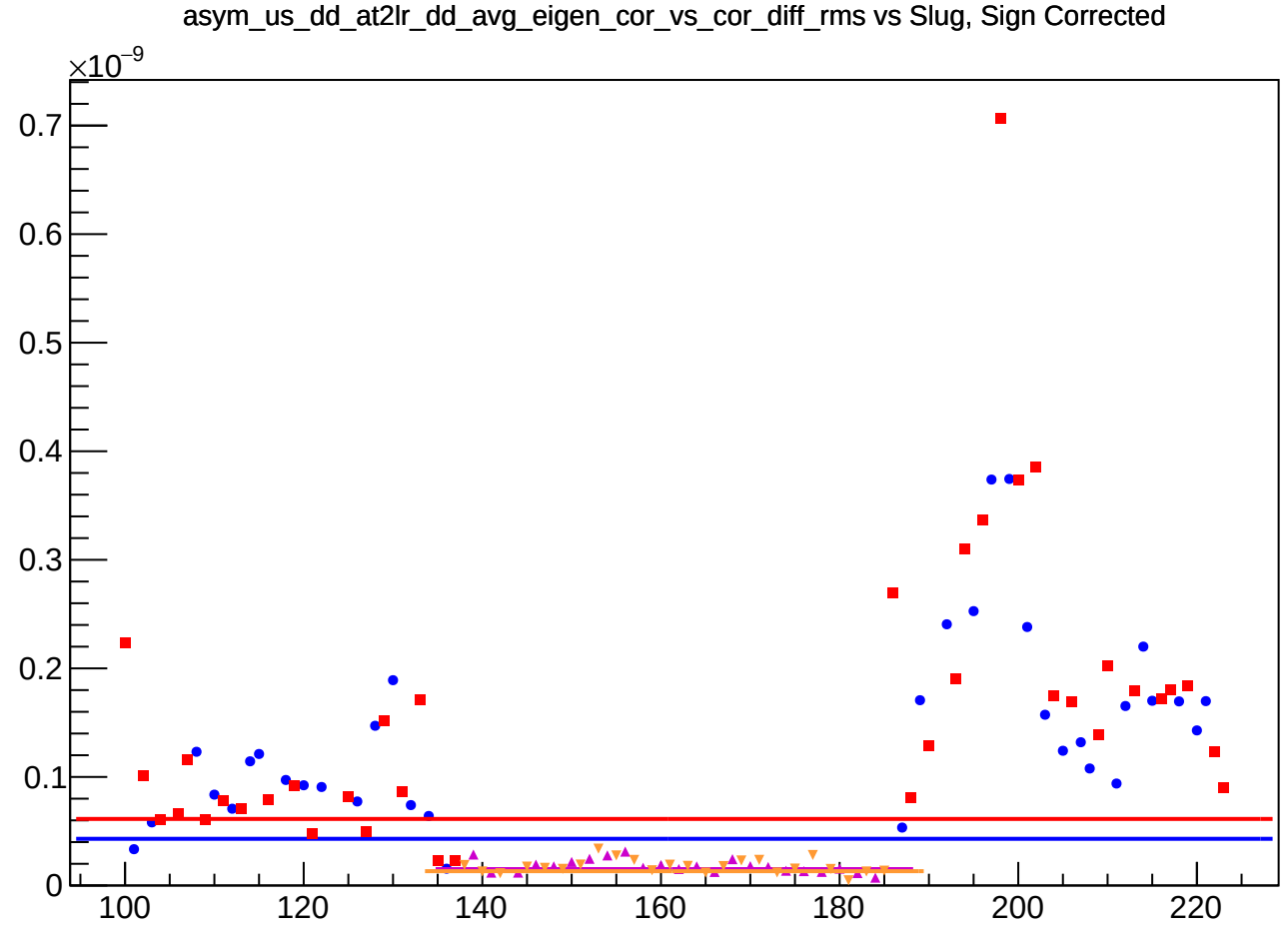
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

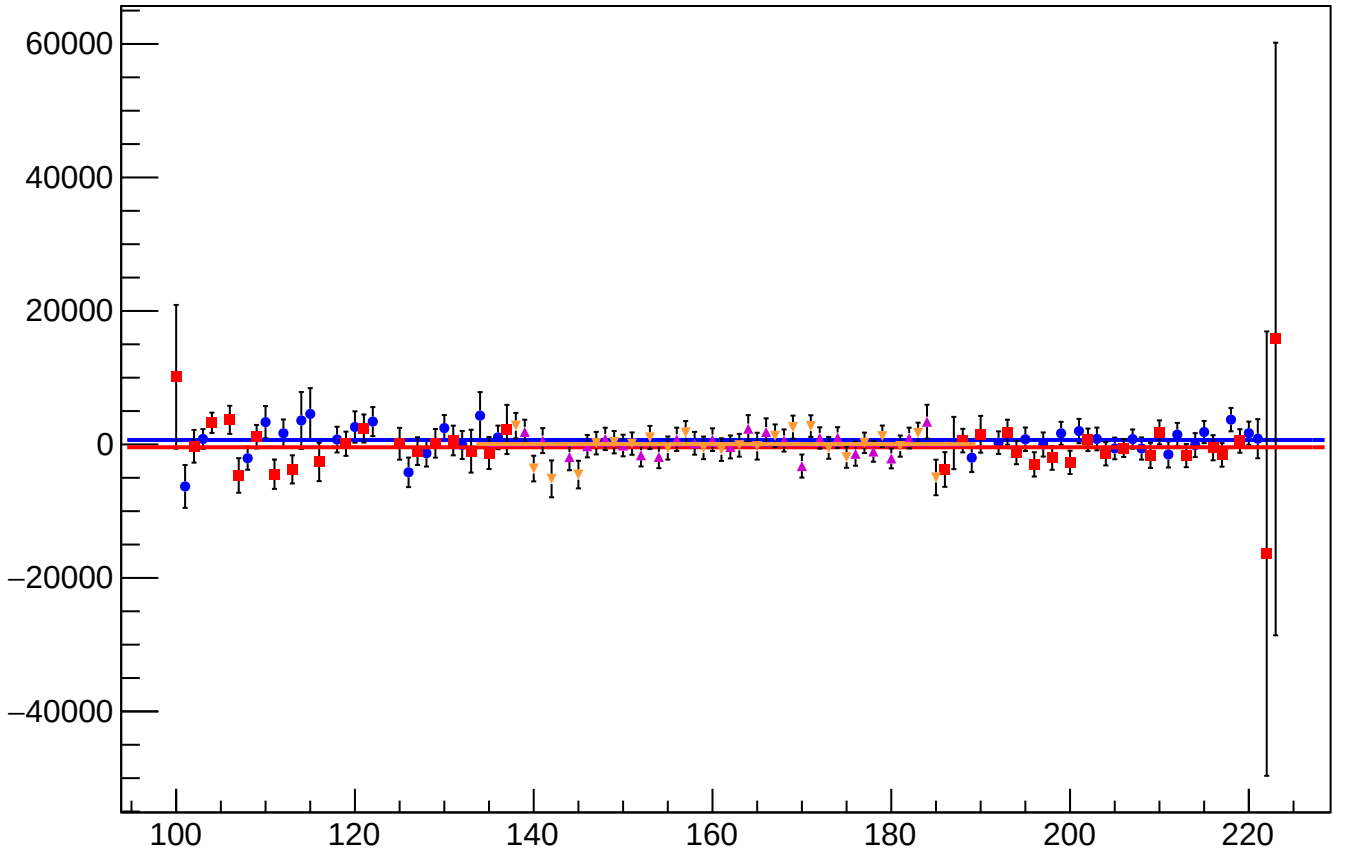
Right: 0.000+/-0.000 χ^2/NDF: 76.9/70

In: 0.000+/-0.000 χ^2/NDF:71.3/56

Out: 0.000+/-0.000 χ^2/NDF:47.3/60

All: 0.000+/-0.000 χ^2/NDF: 118.8/117


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 14449888.9/33
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 12165650.1/36
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
Left: 0.000+/-0.000 χ²/NDF: 6568948.9/46
Right: 0.000+/-0.000 χ²/NDF: 27403166.1/70
In: 0.000+/-0.000 χ²/NDF:21006583.5/56
Out: 0.000+/-0.000 χ²/NDF:25002189.5/60
All: 0.000+/-0.000 χ²/NDF: 46206616.8/117



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

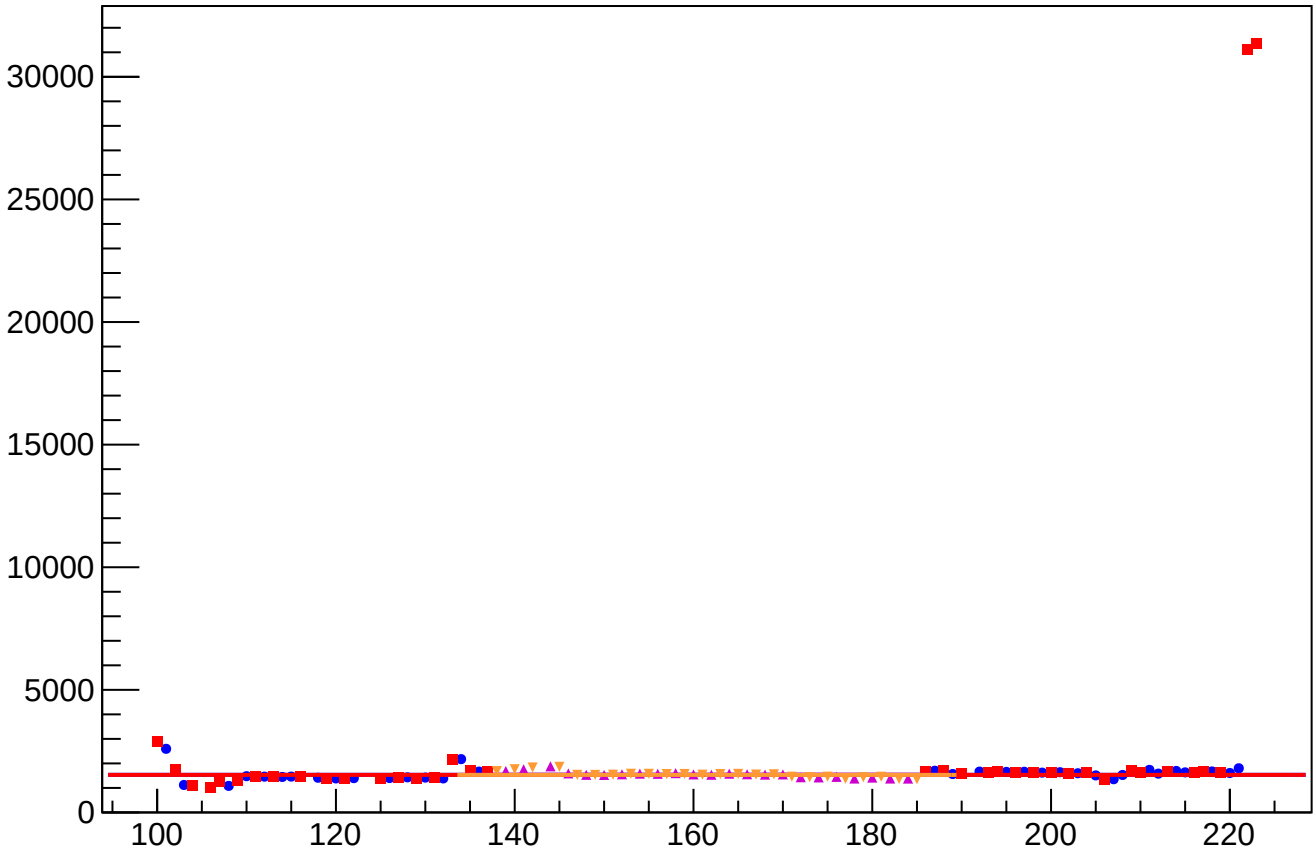
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 124.742+/-237.534 χ^2/NDF: 71.2/70

In: 334.684+/-245.029 χ^2/NDF:48.6/56

Out: -198.169+/-244.868 χ^2/NDF:65.7/60

All: 68.082+/-173.204 χ^2/NDF: 116.6/117



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

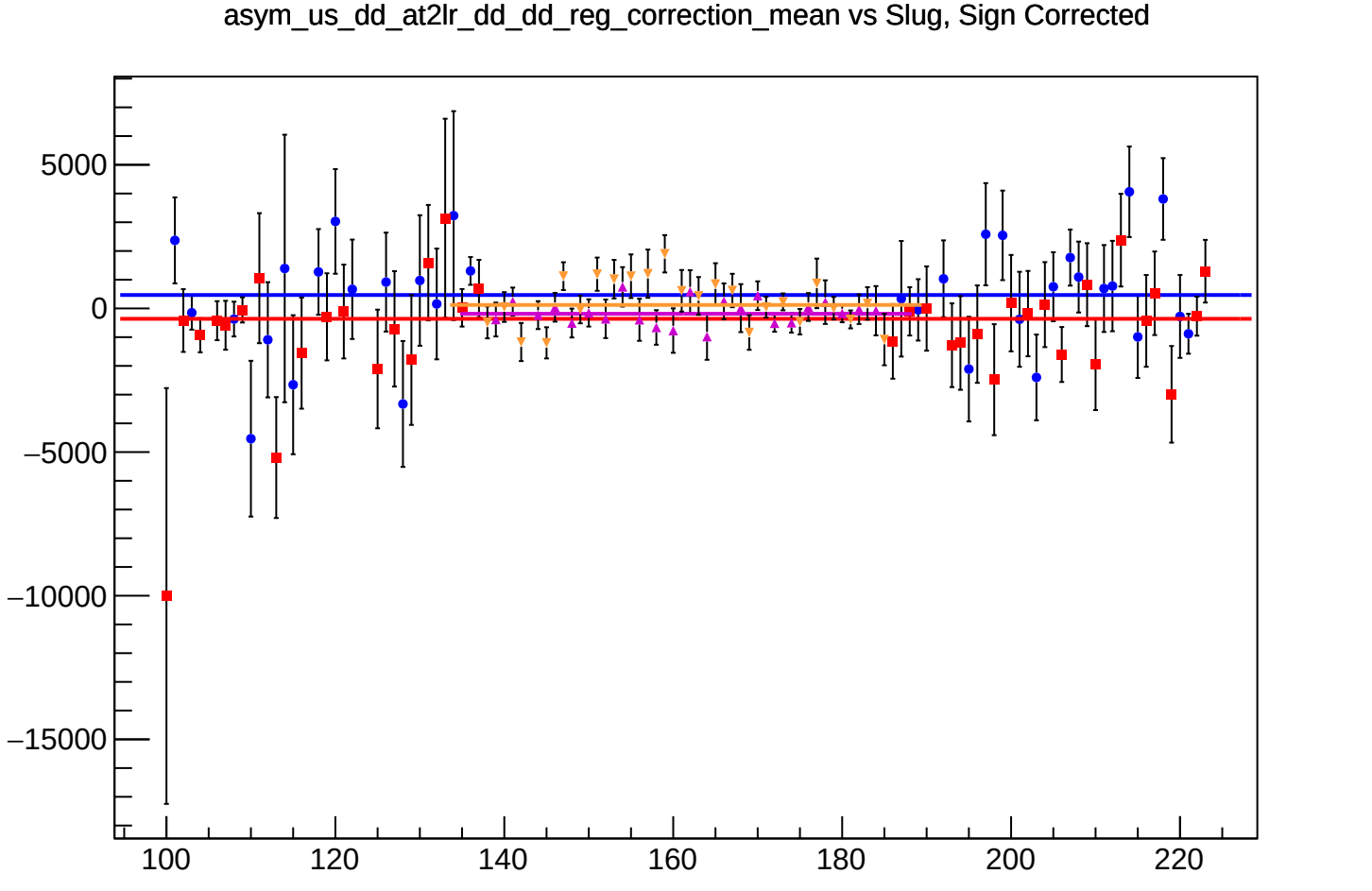
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1533.479+/-0.168 χ^2/NDF: 3995698.3/70

In: 1534.963+/-0.173 χ^2/NDF:998138.8/56

Out: 1531.776+/-0.173 χ^2/NDF:3393526.9/60

All: 1533.368+/-0.122 χ^2/NDF: 4391835.0/11



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

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

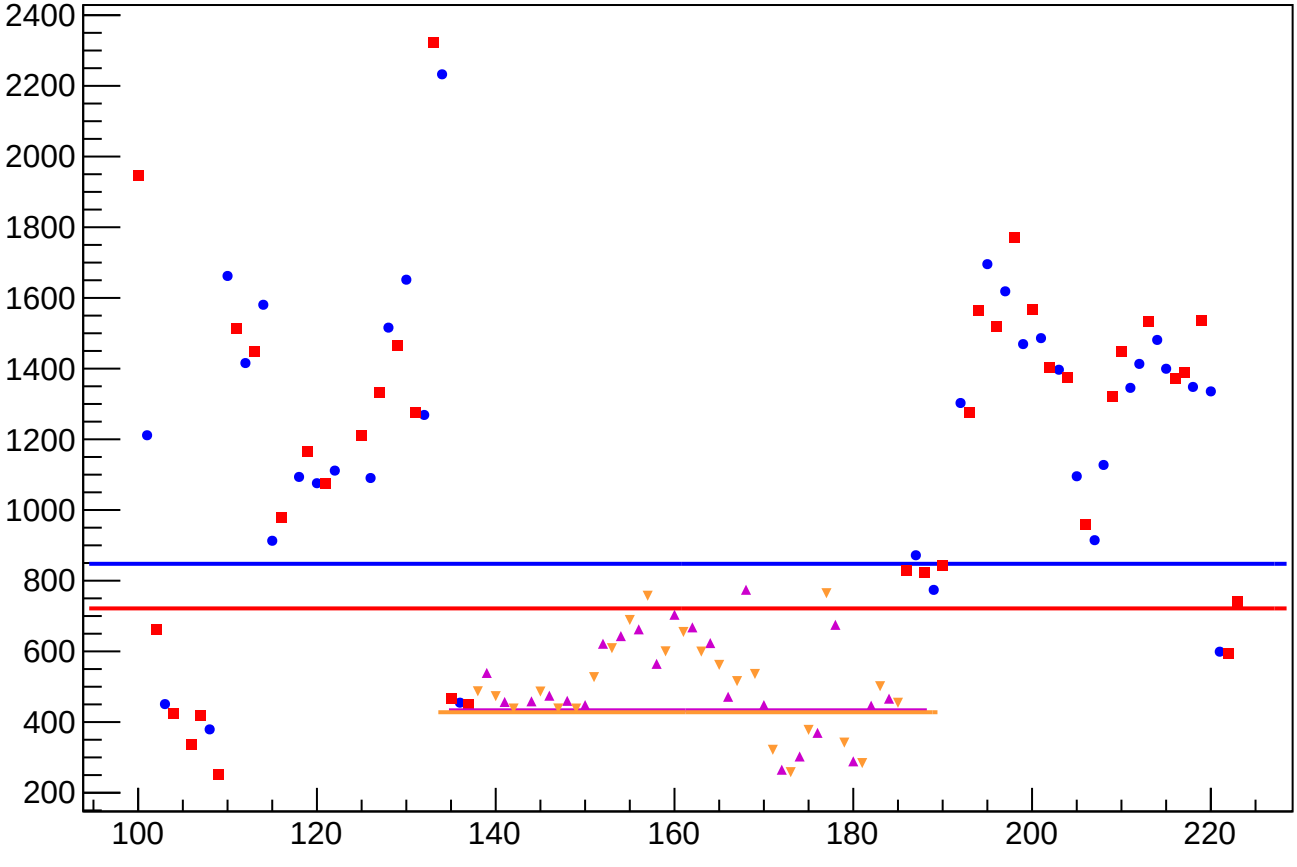
Right: 4.976+/-136.172 χ^2/NDF: 84.1/70

In: -46.594+/-94.817 χ^2/NDF:66.5/56

Out: 0.974+/-91.029 χ^2/NDF:76.9/60

All: -21.841+/-65.666 χ^2/NDF: 143.6/117

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



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

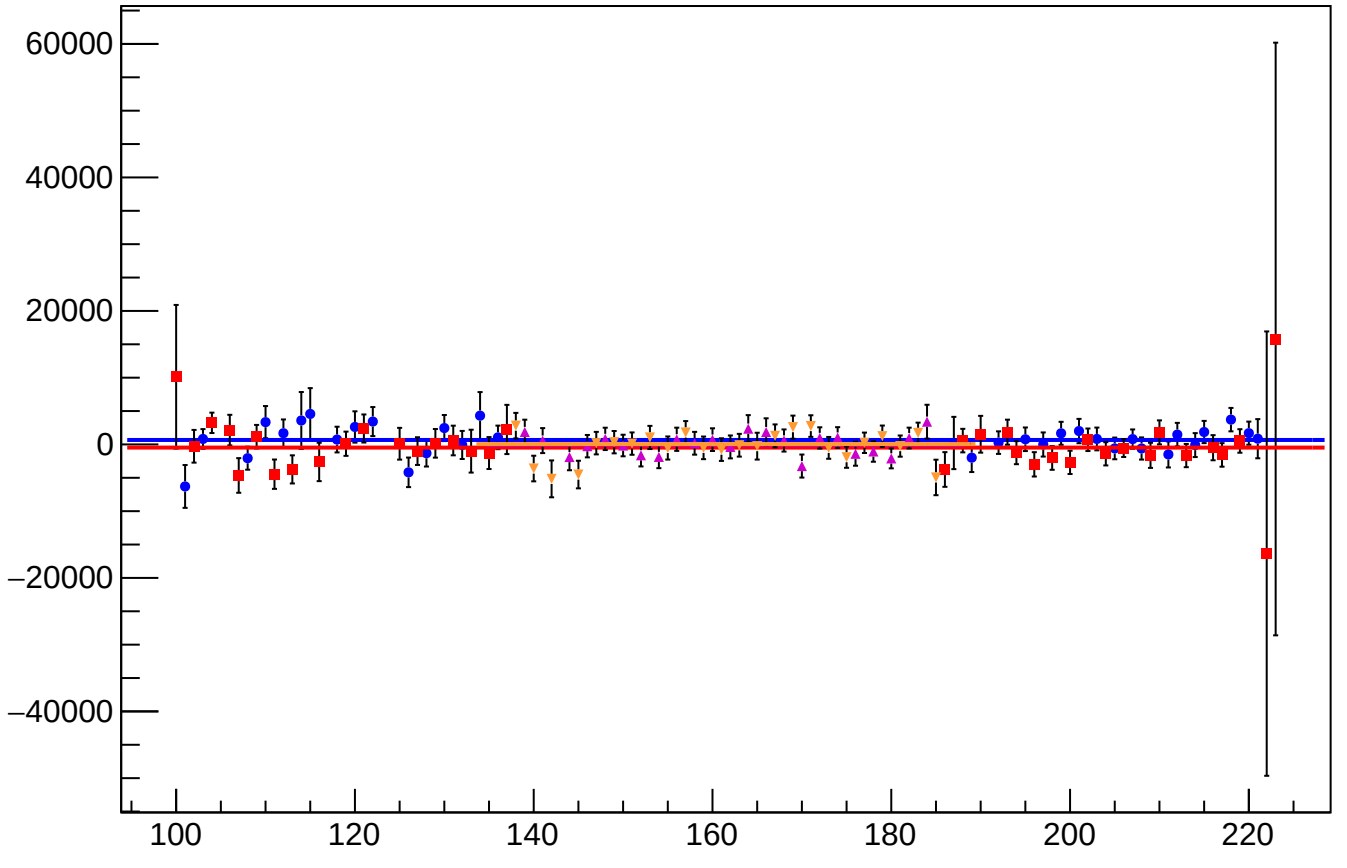
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 777.380+/-0.096 χ^2/NDF: 21351647.1/70

In: 522.147+/-0.067 χ^2/NDF:18590709.7/56

Out: 501.040+/-0.064 χ^2/NDF:19108378.0/60

All: 511.163+/-0.046 χ^2/NDF: 37750660.9/1



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

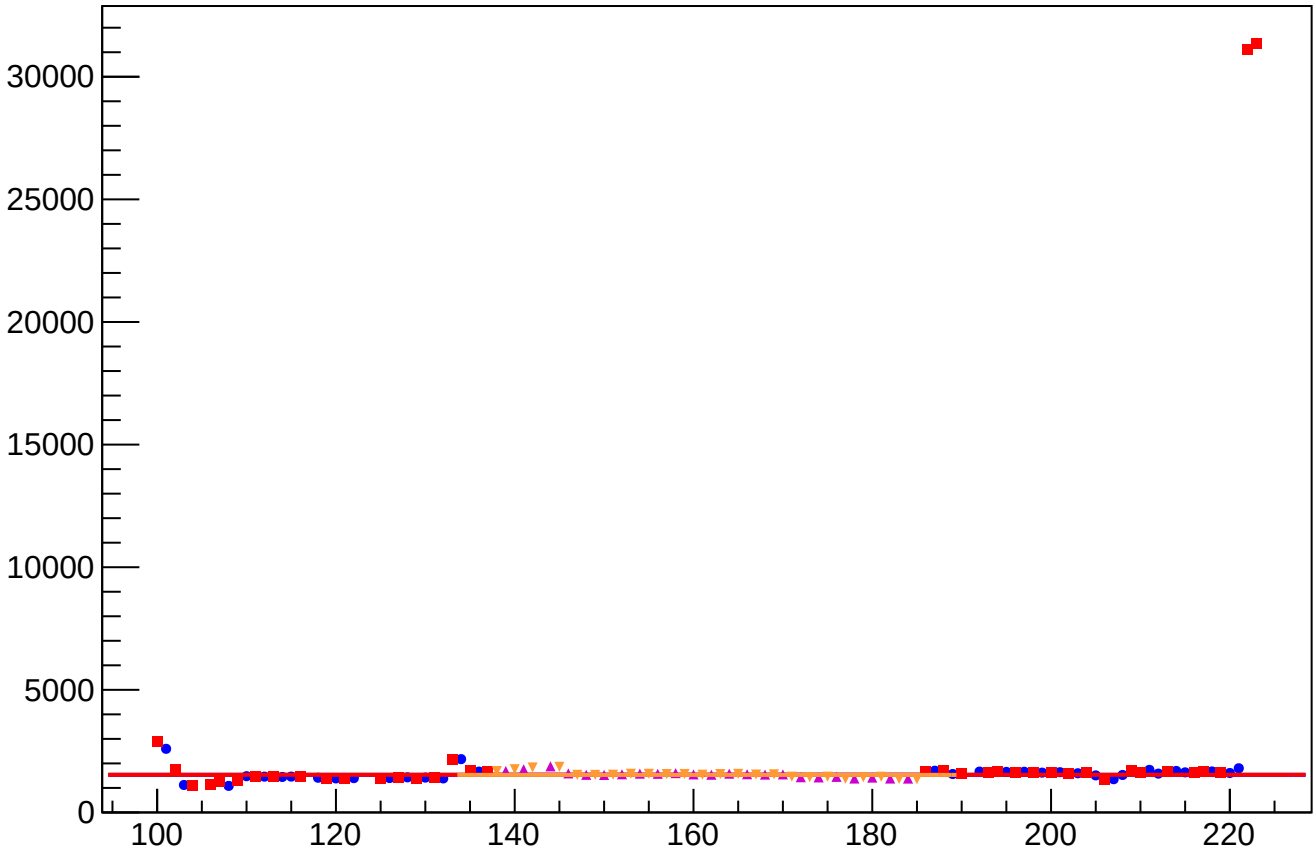
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 101.103+/-237.768 χ^2/NDF: 69.1/70

In: 334.661+/-245.029 χ^2/NDF:48.6/56

Out: -224.001+/-245.124 χ^2/NDF:63.3/60

All: 55.438+/-173.295 χ^2/NDF: 114.5/117



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

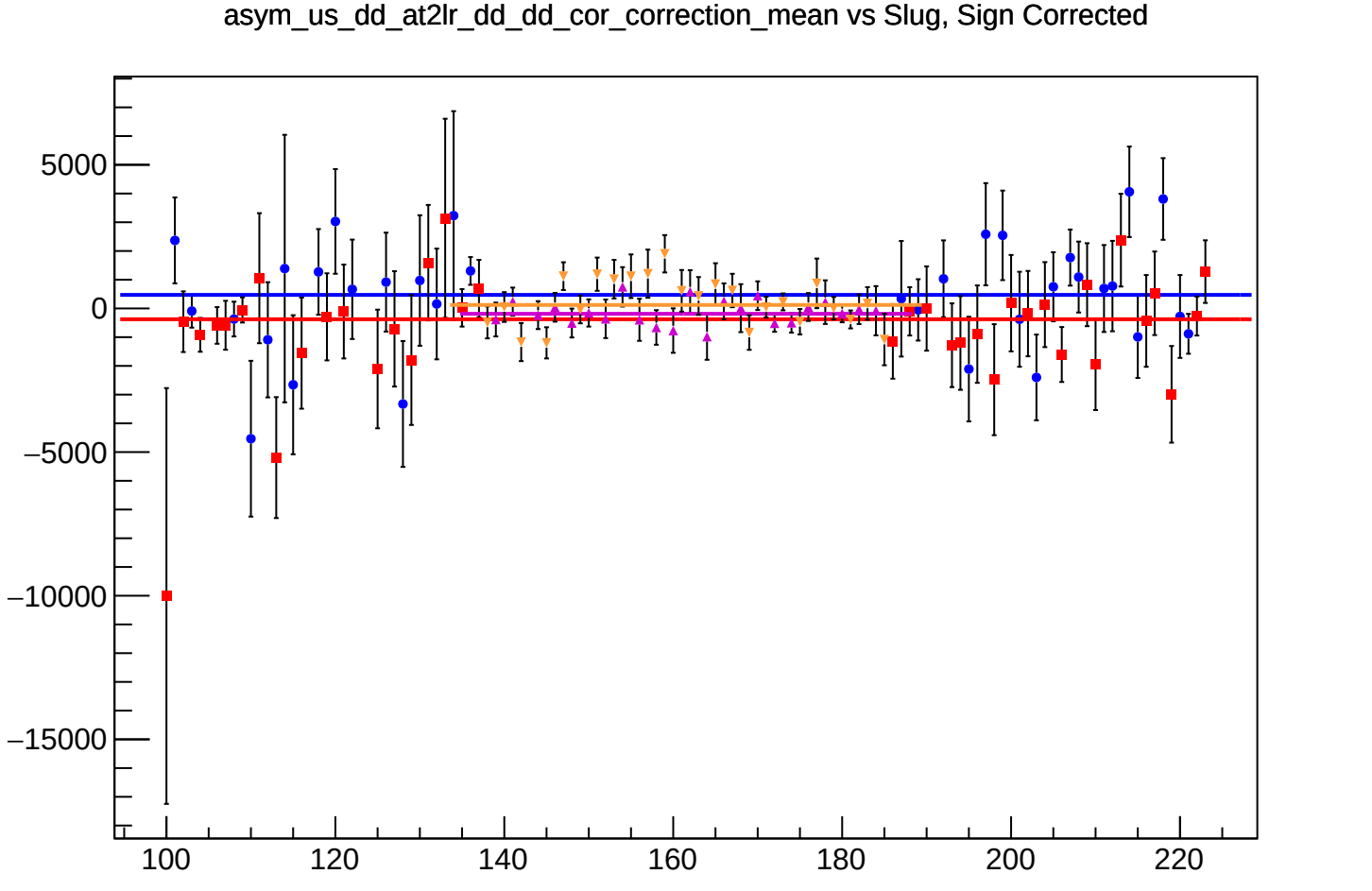
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1535.556+/-0.168 χ^2/NDF: 3942454.8/70

In: 1534.963+/-0.173 χ^2/NDF:998139.2/56

Out: 1533.980+/-0.173 χ^2/NDF:3340523.9/60

All: 1534.472+/-0.123 χ^2/NDF: 4338679.2/11



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

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

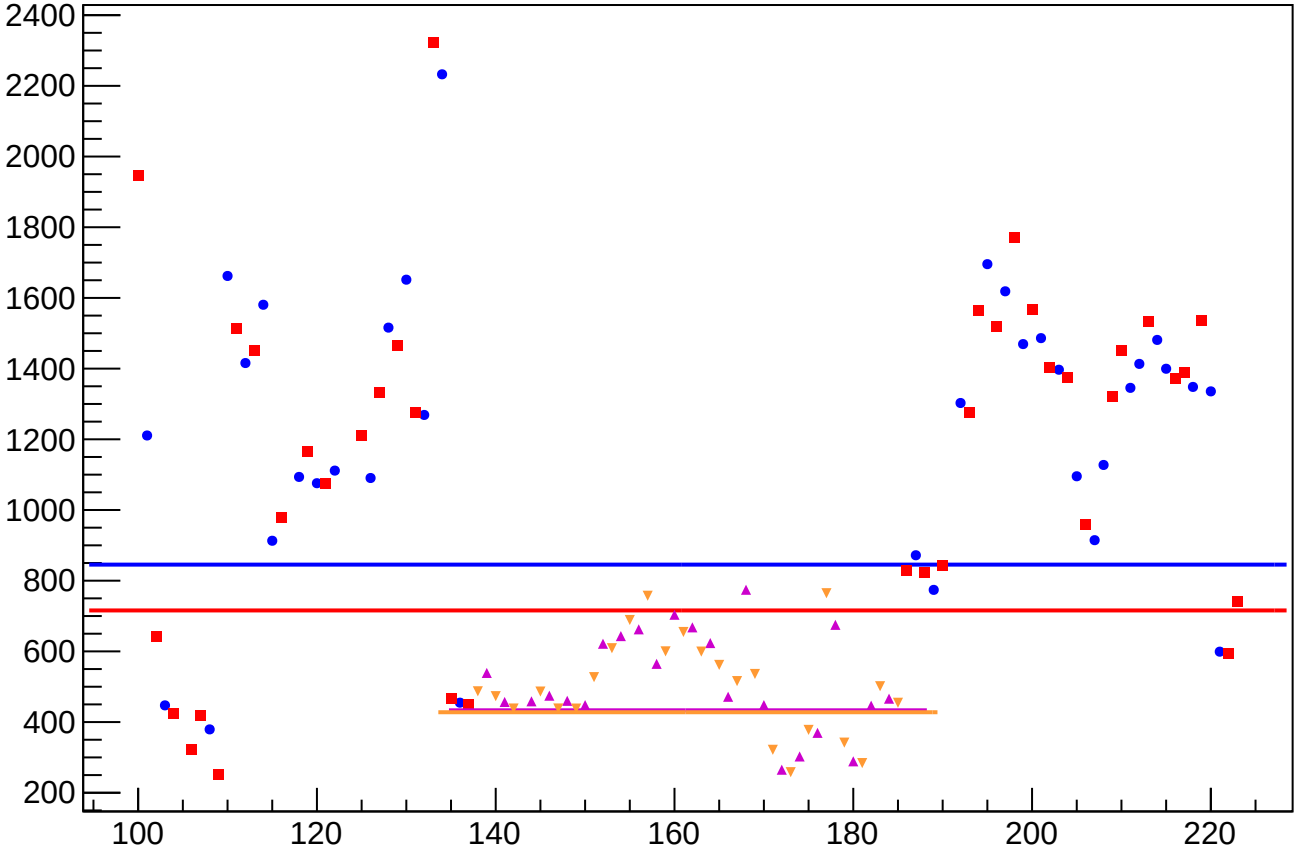
Right: -2.731+/-135.552 χ^2/NDF: 84.5/70

In: -45.264+/-94.769 χ^2/NDF:66.5/56

Out: -3.807+/-90.886 χ^2/NDF:77.4/60

All: -23.668+/-65.596 χ^2/NDF: 144.0/117

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



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

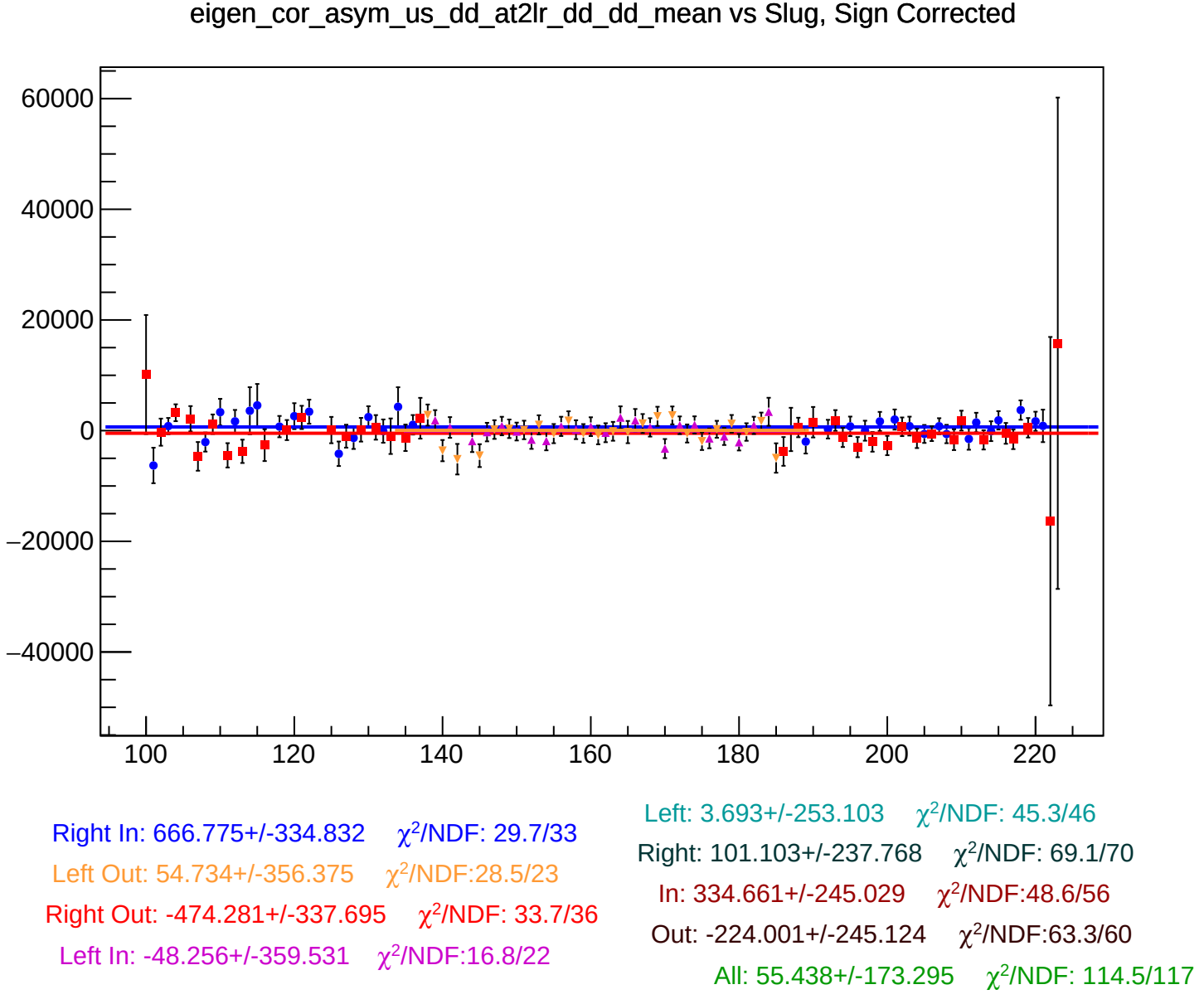
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

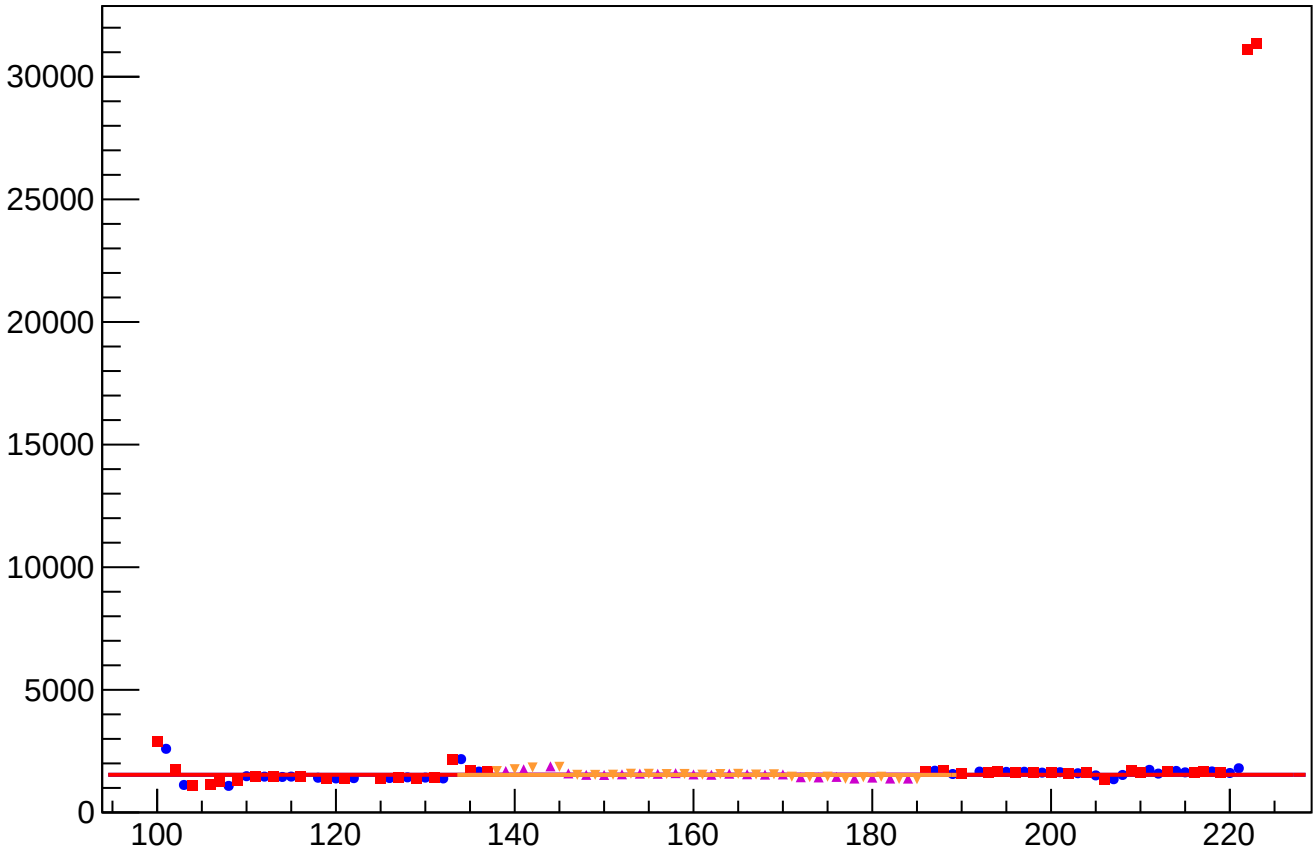
Right: 772.895+/-0.096 χ^2/NDF: 21575431.7/70

In: 521.980+/-0.067 χ^2/NDF:18594456.1/56

Out: 500.287+/-0.064 χ^2/NDF:19137690.2/60

All: 510.680+/-0.046 χ^2/NDF: 37786737.3/11


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
220
Right In: 666.775+/-334.832 χ²/NDF: 29.7/33
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -474.281+/-337.695 χ²/NDF: 33.7/36
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 101.103+/-237.768 χ²/NDF: 69.1/70
In: 334.661+/-245.029 χ²/NDF:48.6/56
Out: -224.001+/-245.124 χ²/NDF:63.3/60
All: 55.438+/-173.295 χ²/NDF: 114.5/117



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

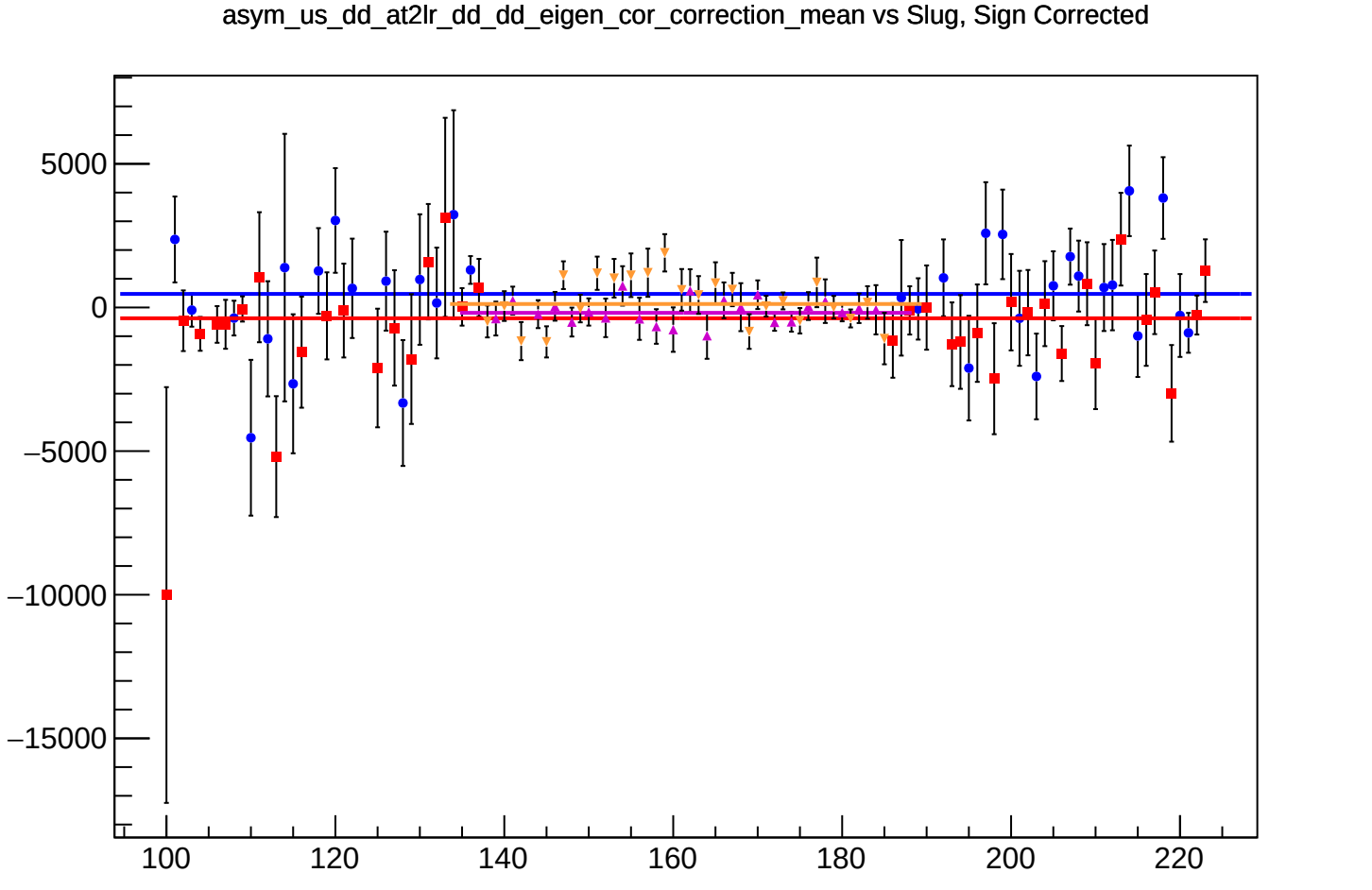
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1535.556+/-0.168 χ^2/NDF: 3942454.8/70

In: 1534.963+/-0.173 χ^2/NDF:998139.2/56

Out: 1533.980+/-0.173 χ^2/NDF:3340523.9/60

All: 1534.472+/-0.123 χ^2/NDF: 4338679.2/11



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

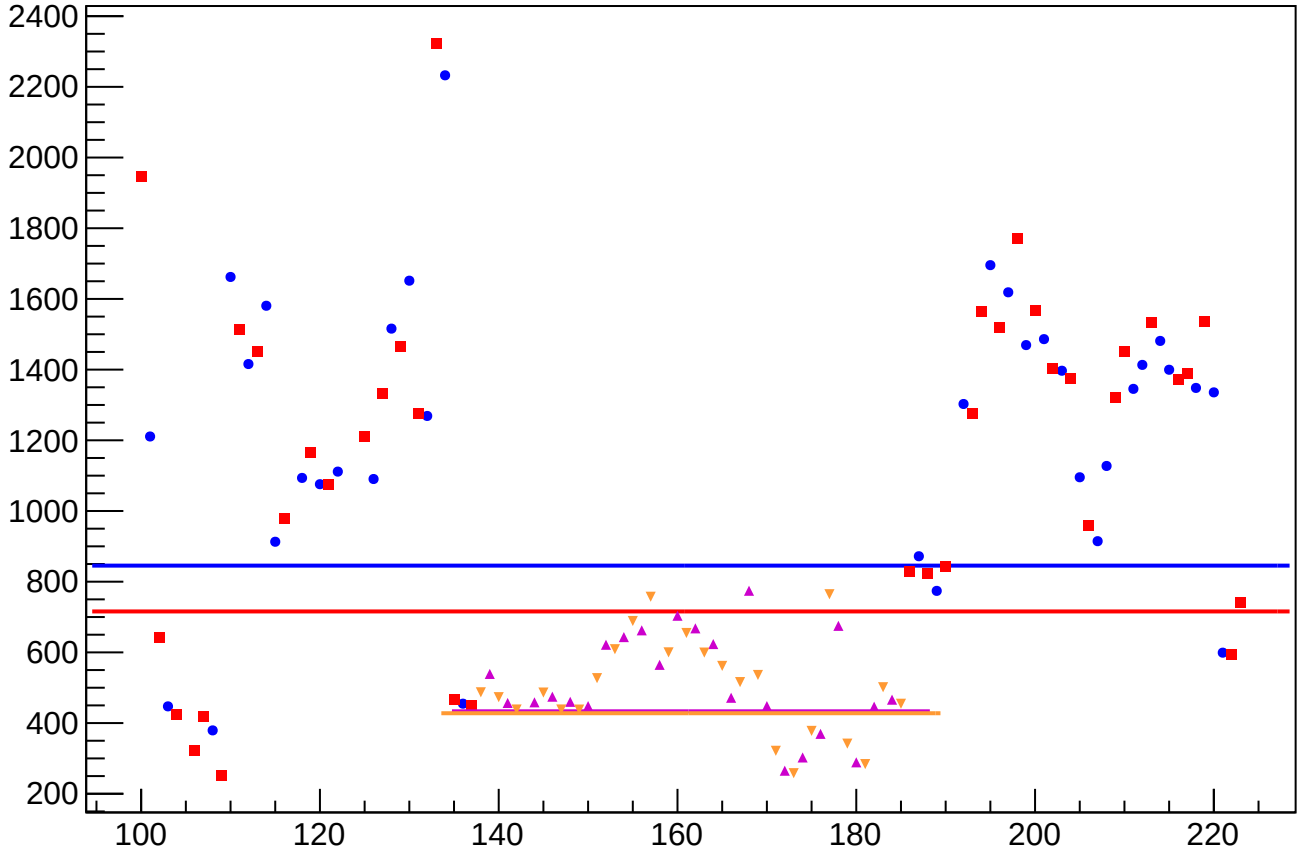
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: -2.731+/-135.552 χ^2/NDF: 84.5/70

In: -45.264+/-94.769 χ^2/NDF:66.5/56

Out: -3.807+/-90.886 χ^2/NDF:77.4/60

All: -23.668+/-65.596 χ^2/NDF: 144.0/117



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

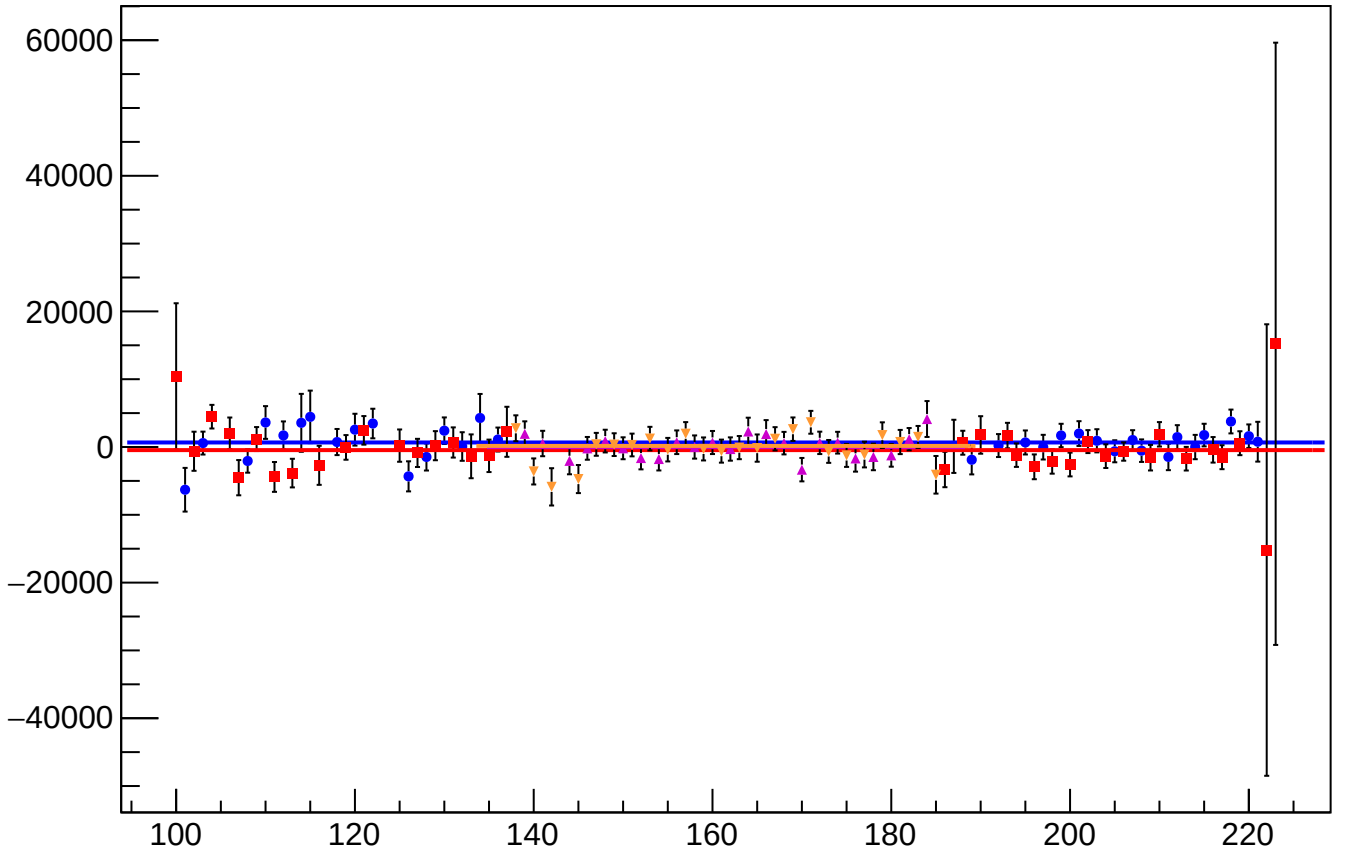
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 772.895+/-0.096 χ^2/NDF: 21575431.7/70

In: 521.980+/-0.067 χ^2/NDF:18594456.1/56

Out: 500.287+/-0.064 χ^2/NDF:19137690.2/60

All: 510.680+/-0.046 χ^2/NDF: 37786737.3/11



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

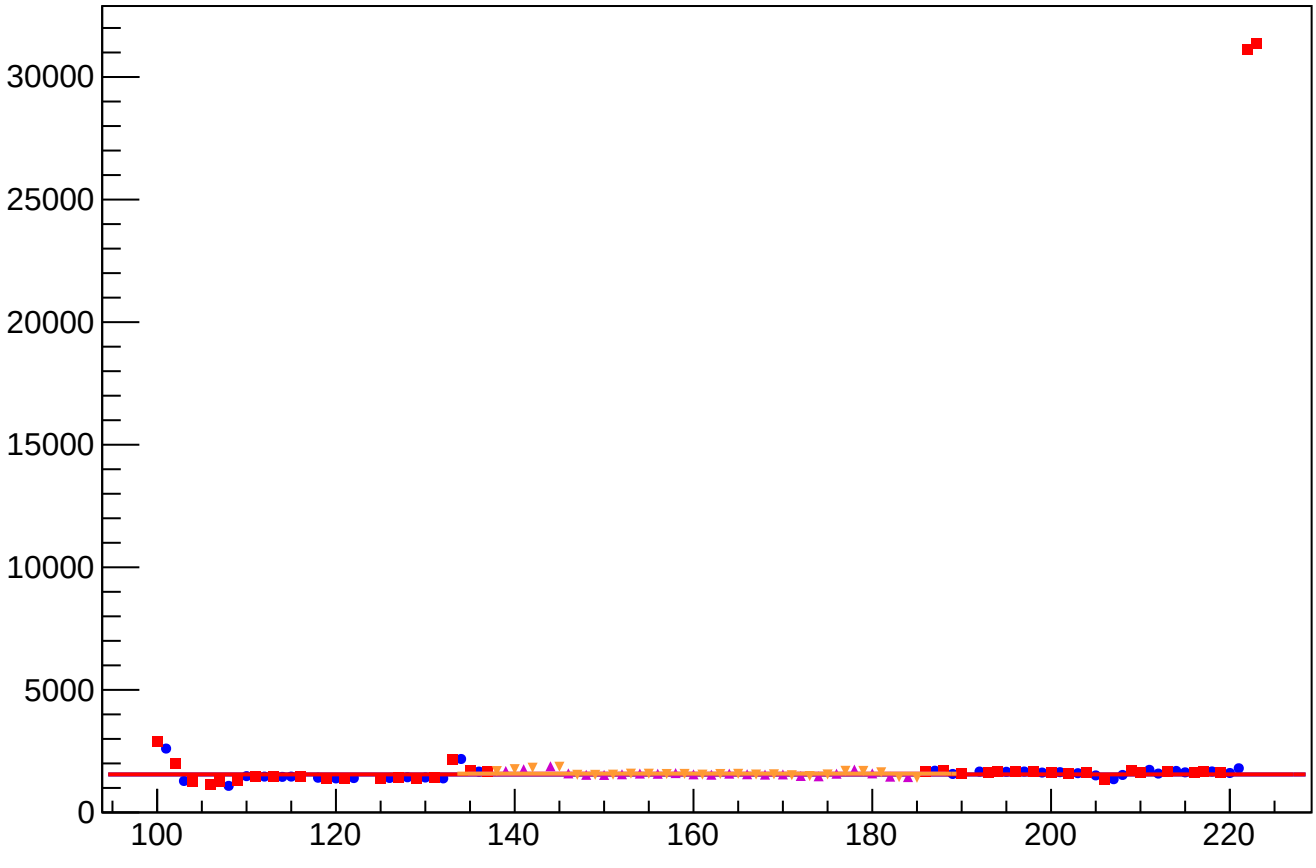
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 111.622+/-239.907 χ^2/NDF: 70.8/70

In: 355.931+/-249.227 χ^2/NDF:47.8/56

Out: -172.213+/-250.329 χ^2/NDF:66.8/60

All: 93.025+/-176.618 χ^2/NDF: 116.9/117



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

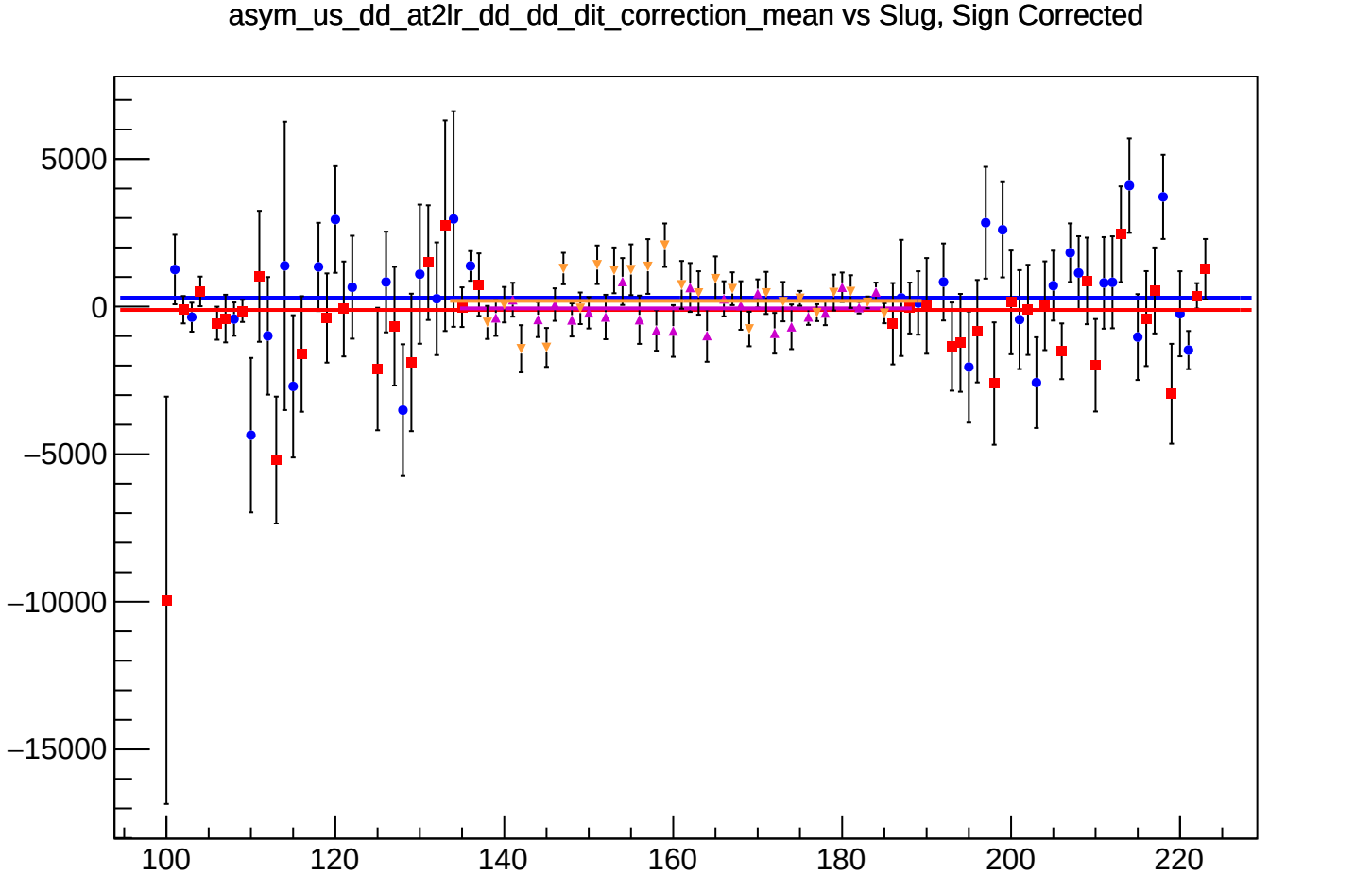
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1550.509+/-0.170 χ^2/NDF: 3745778.6/70

In: 1562.826+/-0.176 χ^2/NDF:827872.4/56

Out: 1567.126+/-0.177 χ^2/NDF:3192873.1/60

All: 1564.966+/-0.125 χ^2/NDF: 4021041.9/11



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

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

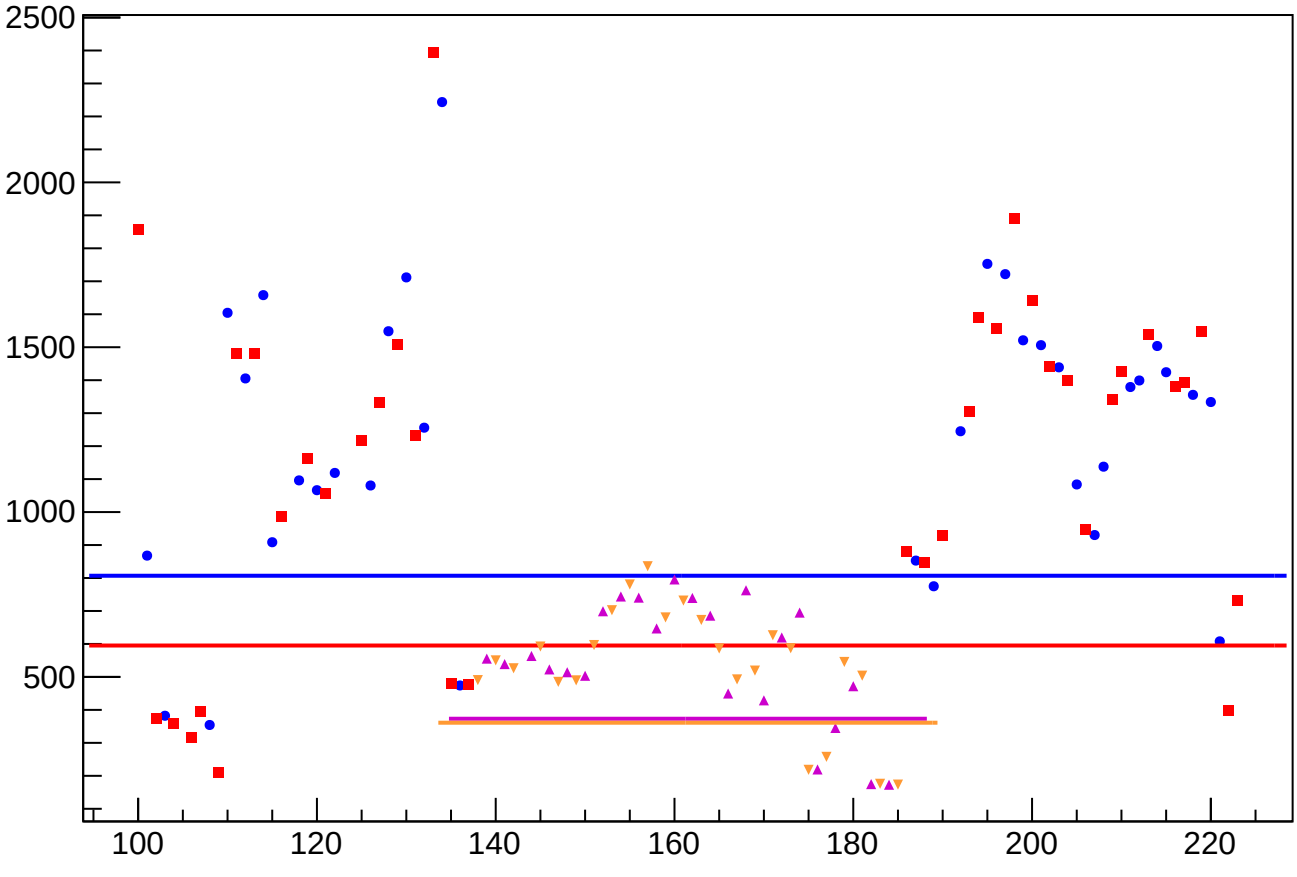
Right: 45.347+/-122.721 χ^2/NDF: 85.3/70

In: 11.582+/-89.029 χ^2/NDF:72.3/56

Out: 109.112+/-81.772 χ^2/NDF:72.9/60

All: 64.484+/-60.224 χ^2/NDF: 145.8/117

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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

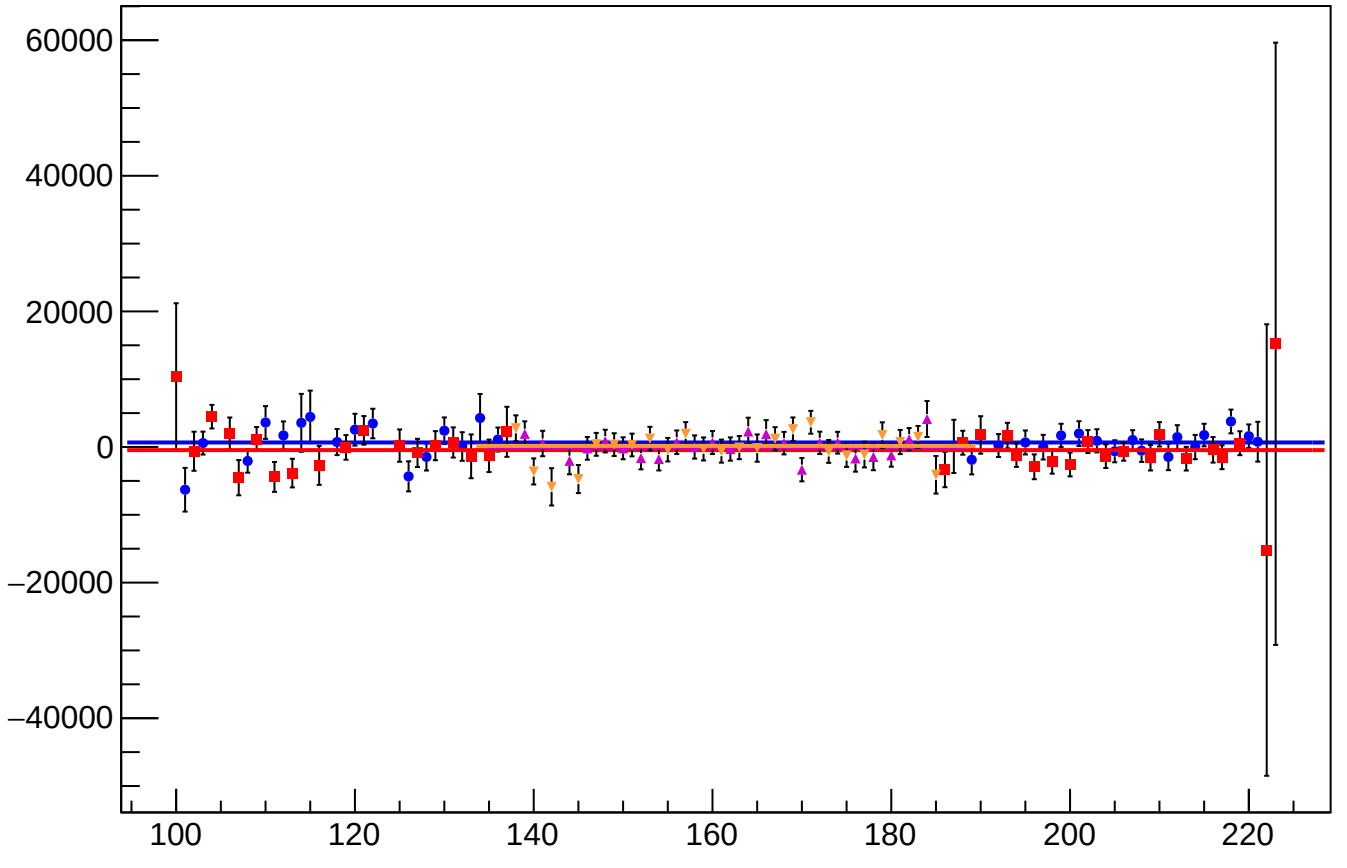
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 676.818+/-0.087 χ^2/NDF: 26698420.4/70

In: 461.132+/-0.063 χ^2/NDF:25759261.6/56

Out: 424.983+/-0.058 χ^2/NDF:26850284.8/60

All: 441.524+/-0.043 χ^2/NDF: 52788401.6/11



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

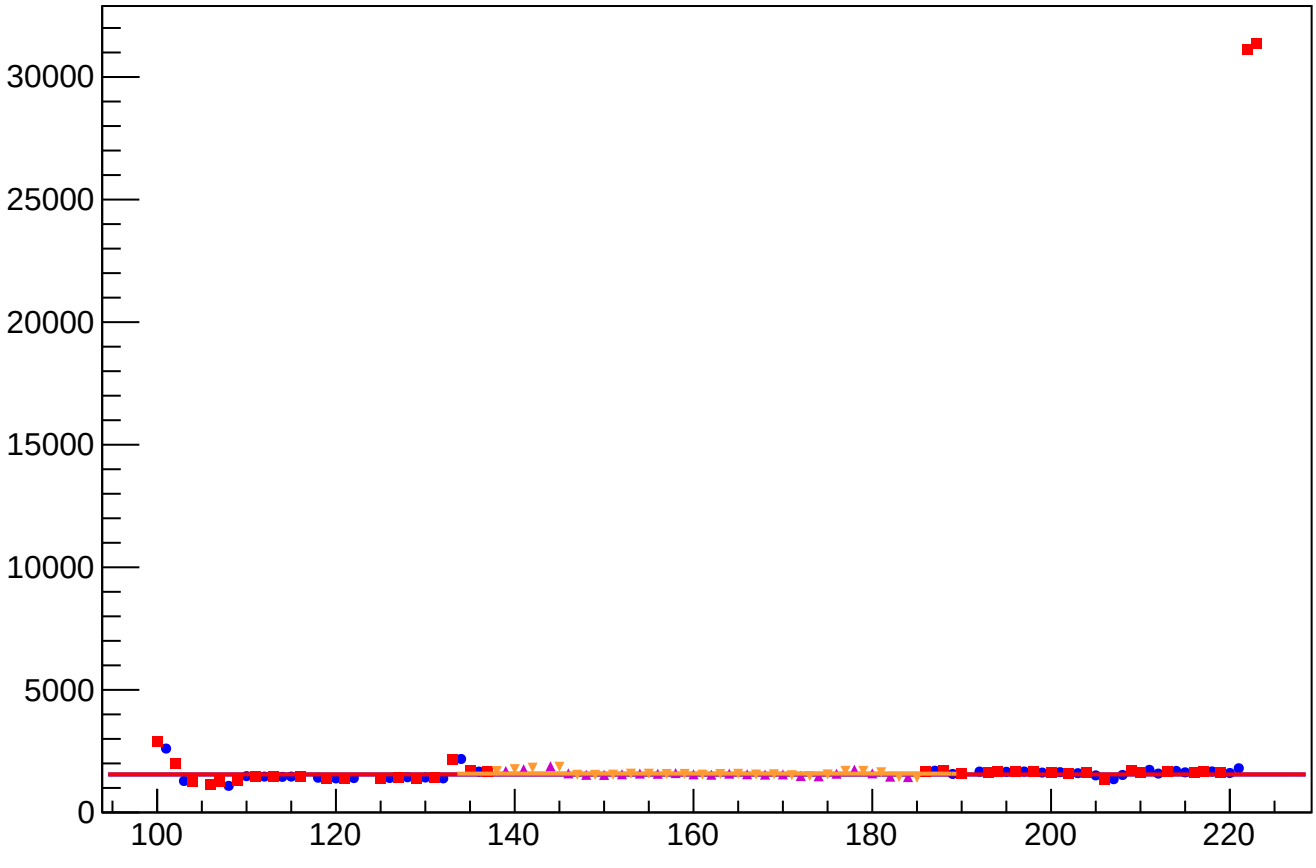
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 111.618+/-239.907 χ^2/NDF: 70.8/70

In: 355.927+/-249.227 χ^2/NDF:47.8/56

Out: -172.214+/-250.329 χ^2/NDF:66.8/60

All: 93.022+/-176.618 χ^2/NDF: 116.9/117



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

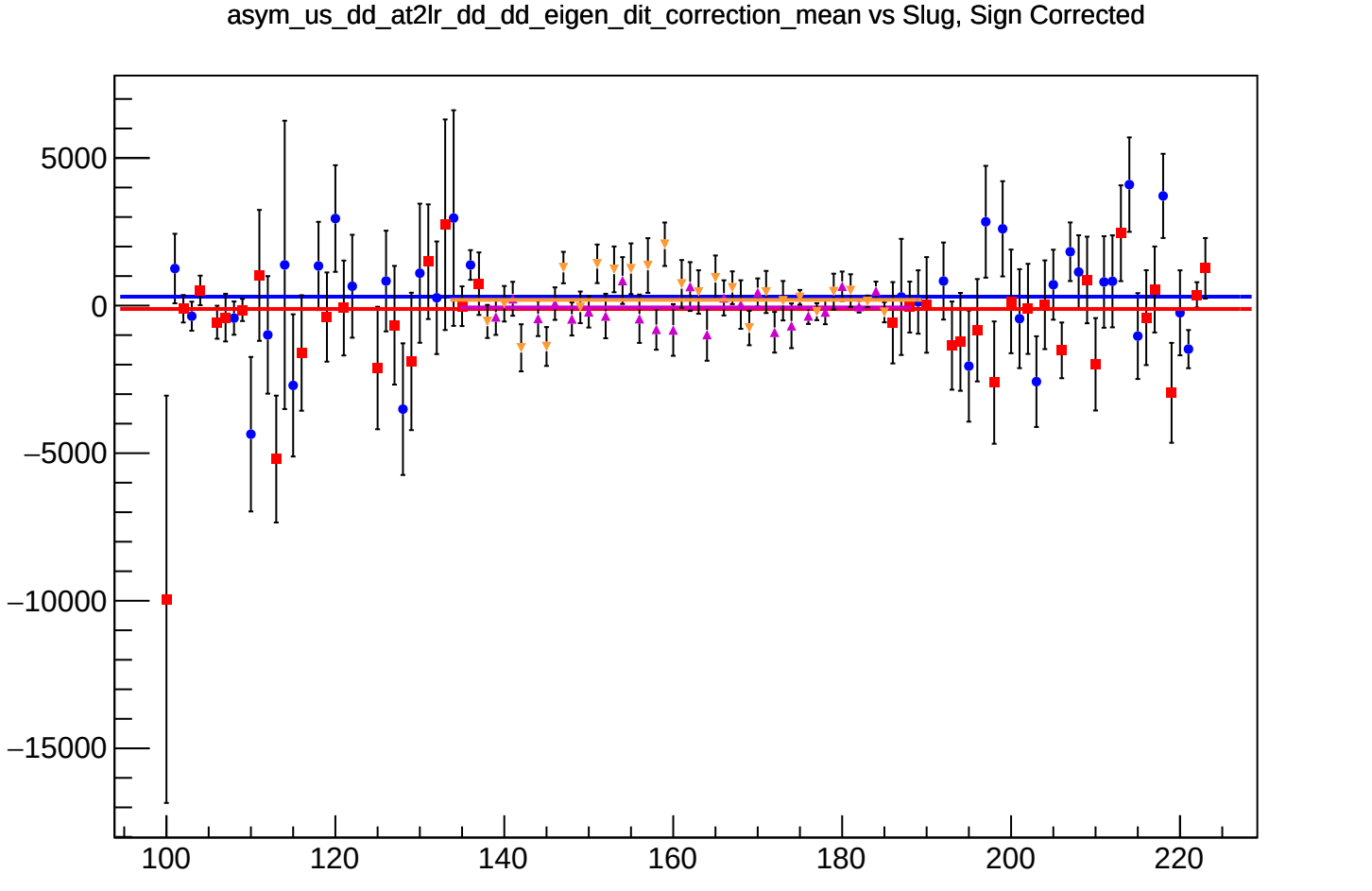
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

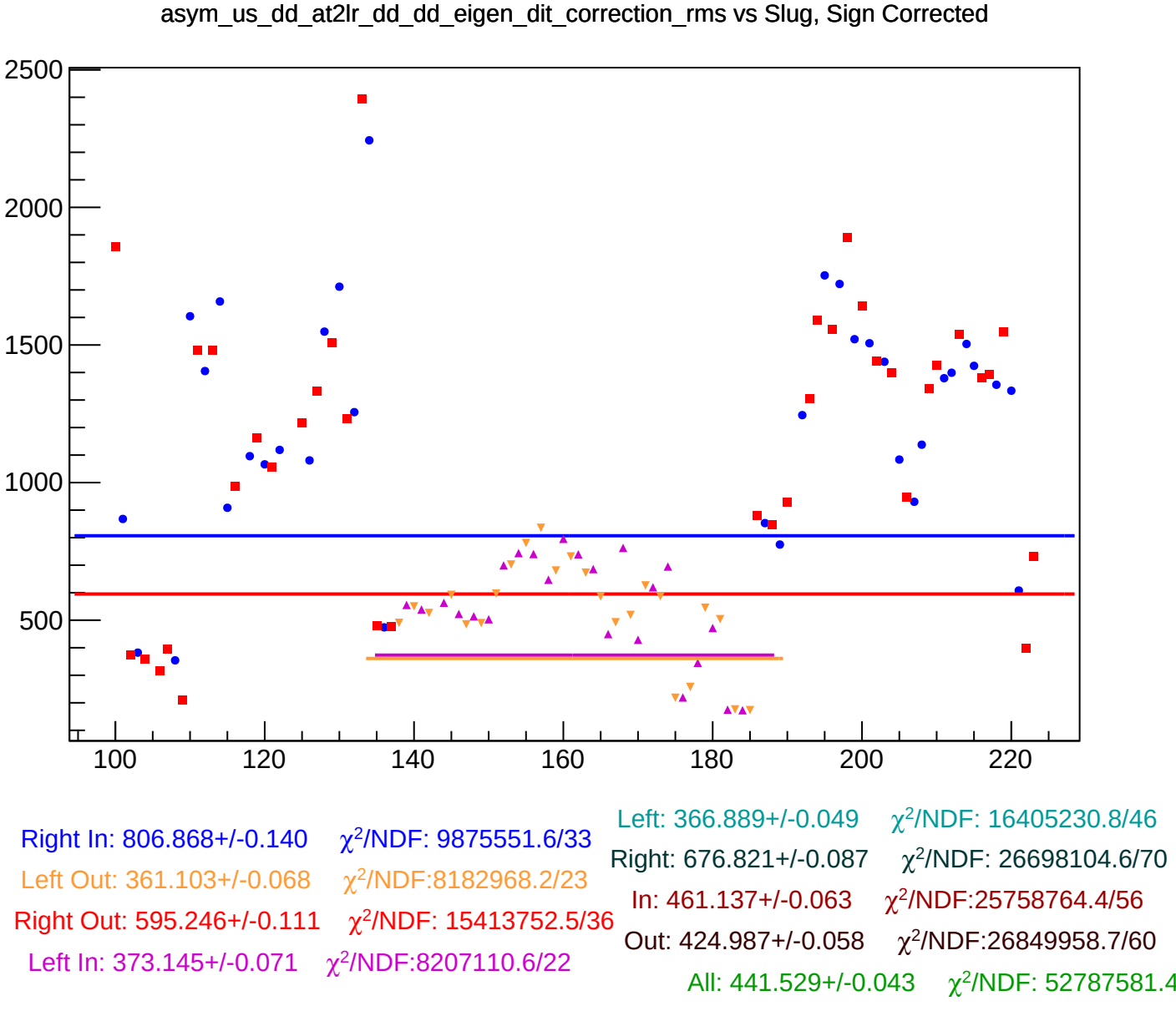
Right: 1550.508+/-0.170 χ^2/NDF: 3745778.2/70

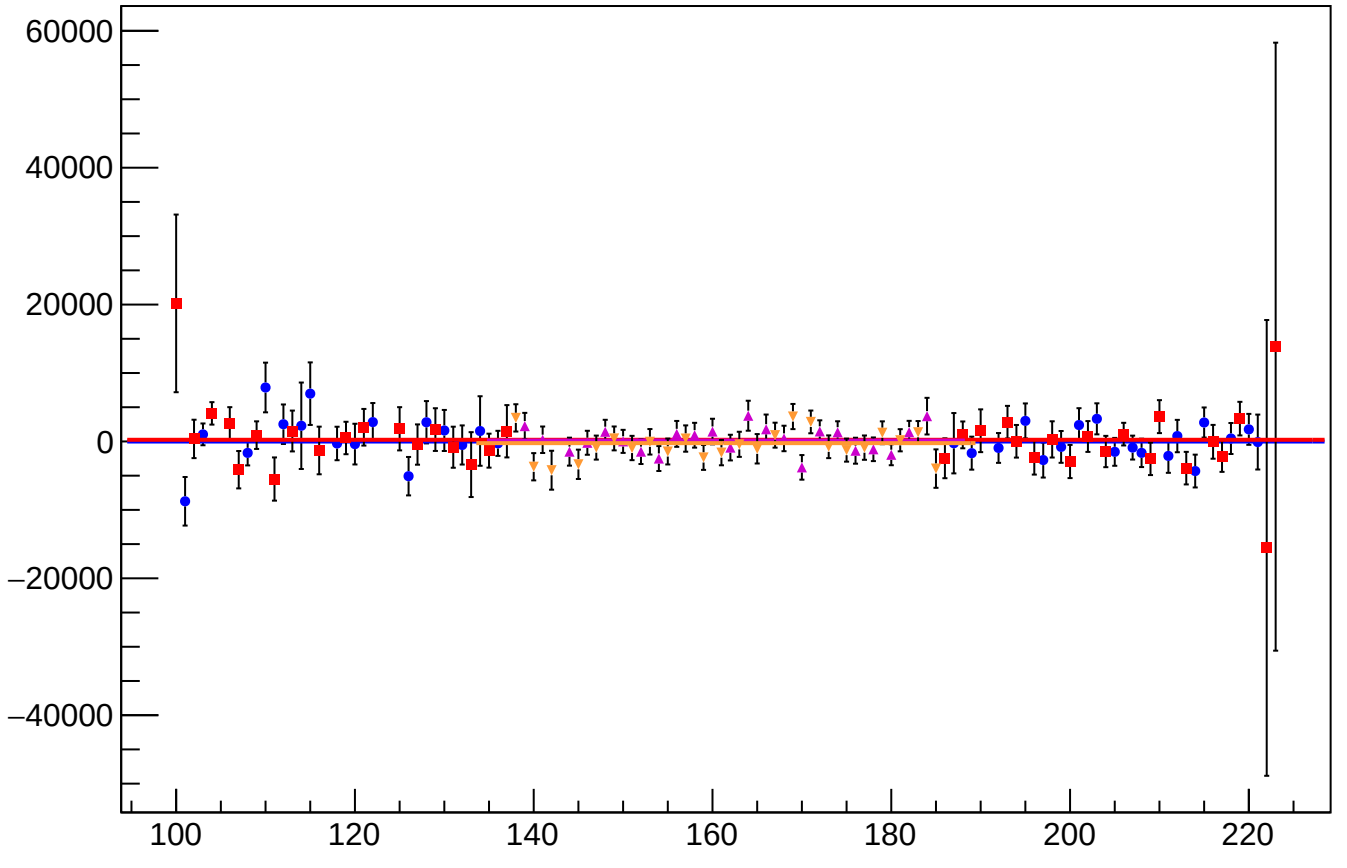
In: 1562.826+/-0.176 χ^2/NDF:827871.8/56

Out: 1567.126+/-0.177 χ^2/NDF:3192873.2/60

All: 1564.966+/-0.125 χ^2/NDF: 4021041.3/11


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 301.417+/-197.660 χ²/NDF: 52.5/33
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -115.278+/-156.549 χ²/NDF: 30.0/36
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: 45.349+/-122.721 χ²/NDF: 85.3/70
In: 11.585+/-89.030 χ²/NDF:72.3/56
Out: 109.116+/-81.772 χ²/NDF:72.9/60
All: 64.487+/-60.224 χ²/NDF: 145.8/117


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 806.868+/-0.140 χ²/NDF: 9875551.6/33
Left Out: 361.103+/-0.068 χ²/NDF:8182968.2/23
Right Out: 595.246+/-0.111 χ²/NDF: 15413752.5/36
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
Left: 366.889+/-0.049 χ²/NDF: 16405230.8/46
Right: 676.821+/-0.087 χ²/NDF: 26698104.6/70
In: 461.137+/-0.063 χ²/NDF:25758764.4/56
Out: 424.987+/-0.058 χ²/NDF:26849958.7/60
All: 441.529+/-0.043 χ²/NDF: 52787581.4/1



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

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

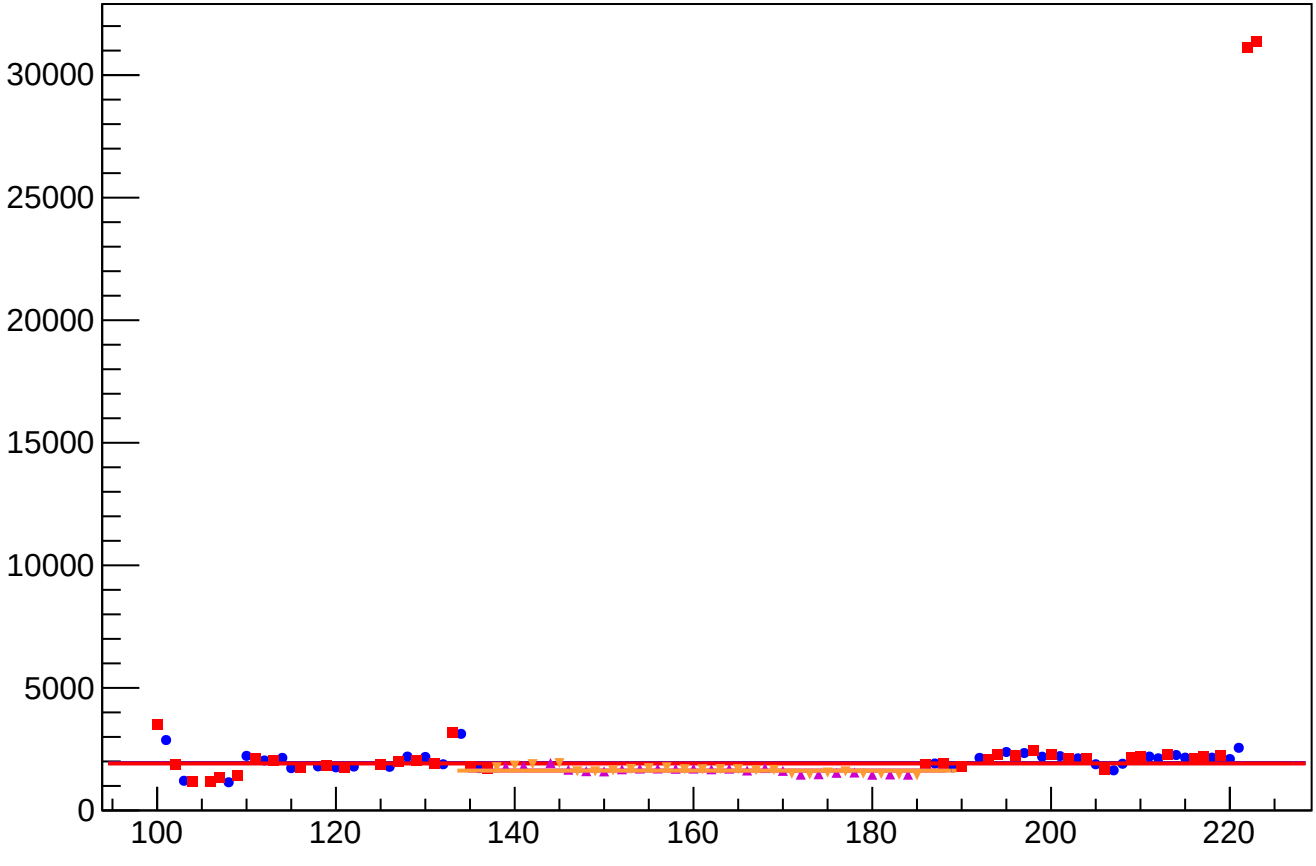
Right: 115.617+/-301.483 χ^2/NDF: 68.1/70

In: 65.083+/-284.053 χ^2/NDF:56.3/56

Out: -31.625+/-283.107 χ^2/NDF:59.7/60

All: 16.567+/-200.521 χ^2/NDF: 116.0/117

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



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

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

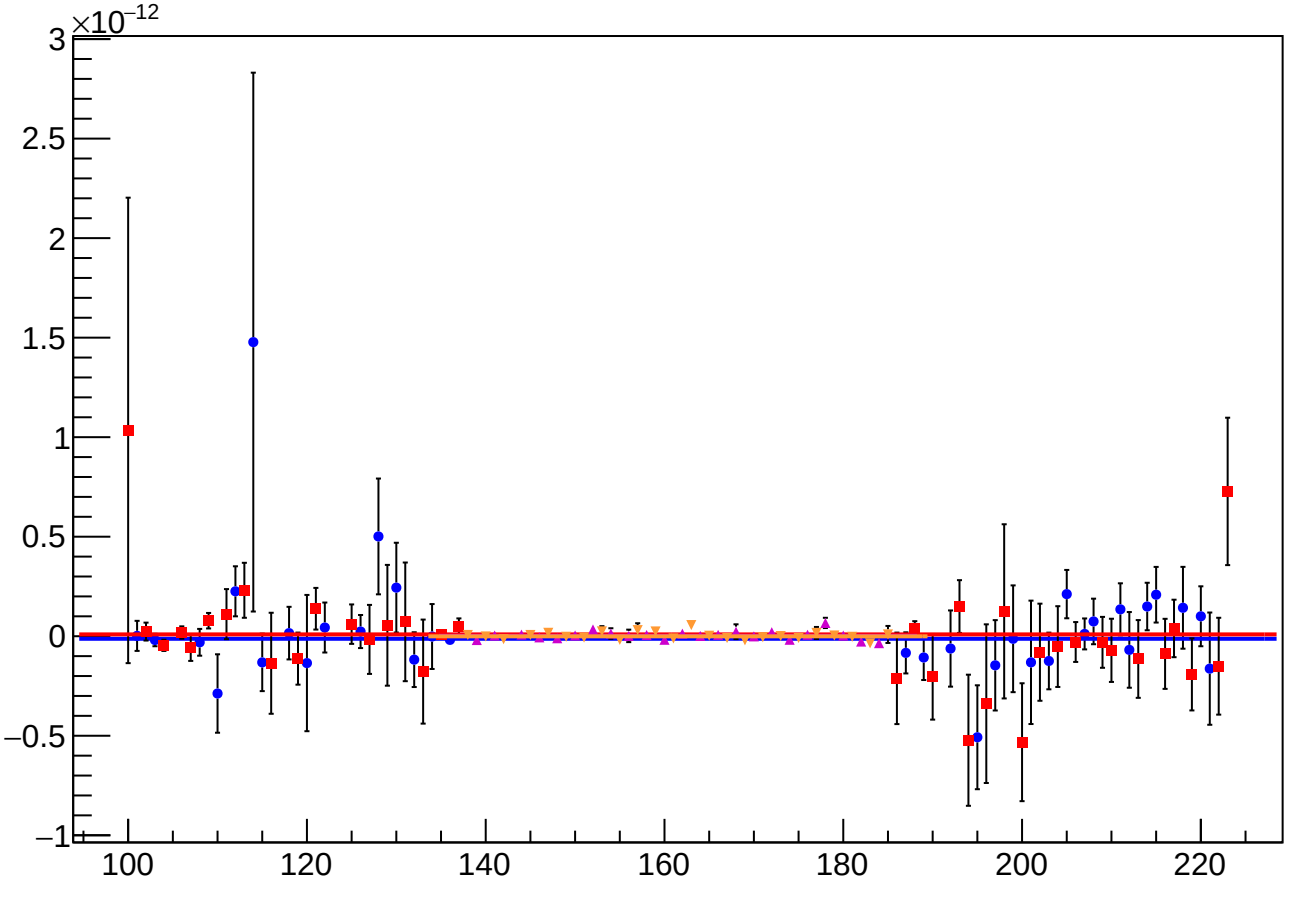
Right: 1925.541+/-0.213 χ^2/NDF: 5501946.4/70

In: 1763.768+/-0.201 χ^2/NDF:2343607.0/56

Out: 1753.736+/-0.200 χ^2/NDF:4667282.7/60

All: 1758.735+/-0.142 χ^2/NDF: 7012141.1/11

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

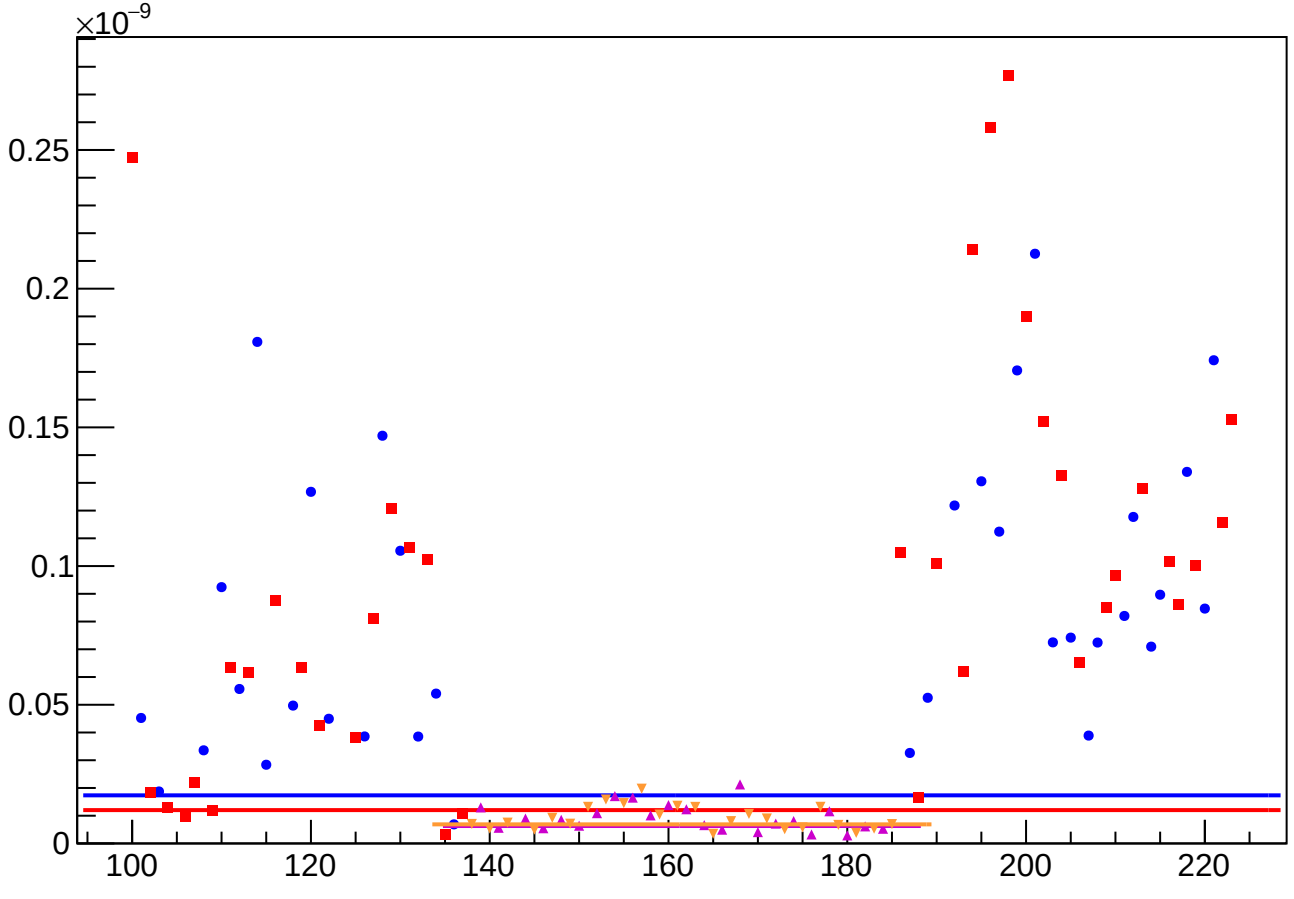
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 67.3/70

In: 0.000+/-0.000 χ^2/NDF:56.8/56

Out: 0.000+/-0.000 χ^2/NDF:57.6/60

All: 0.000+/-0.000 χ^2/NDF: 114.4/117



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

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

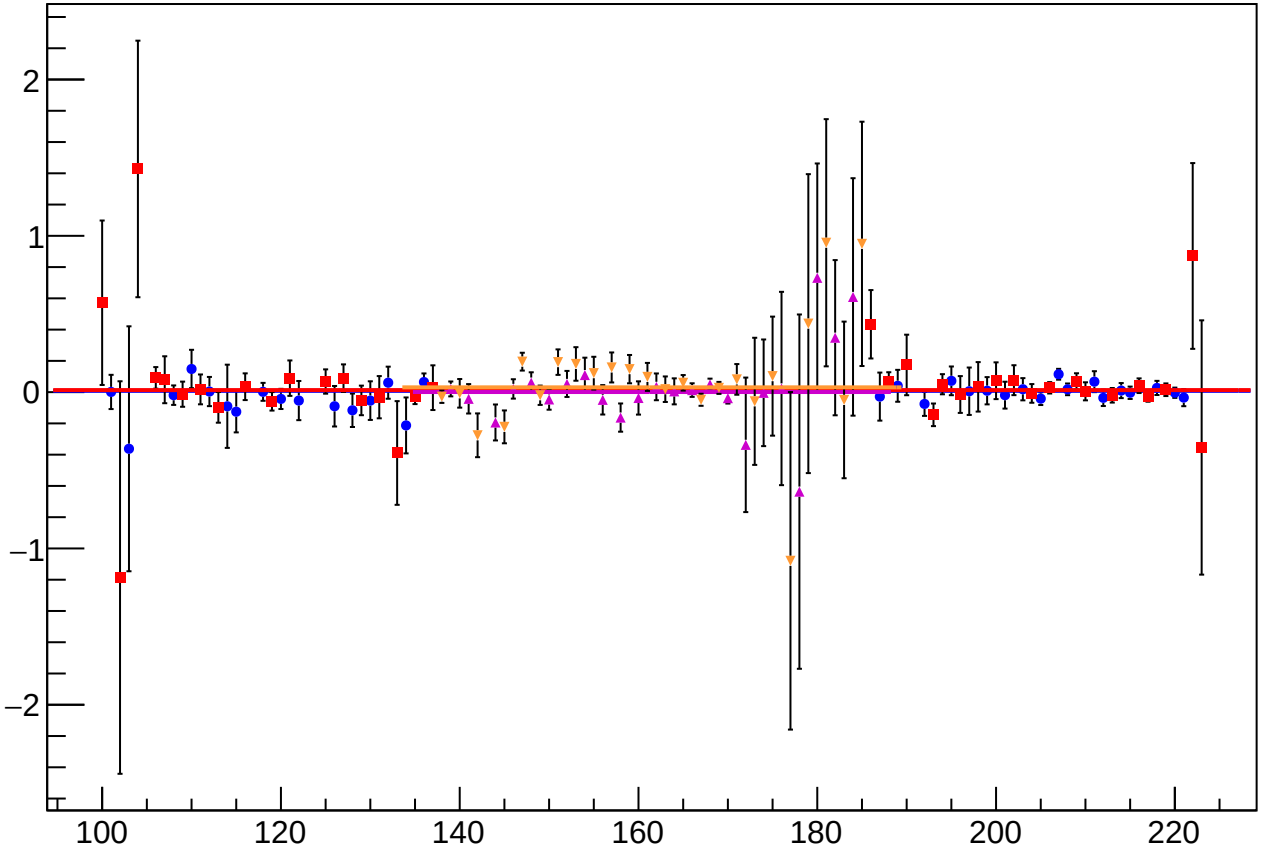
Right: 0.000+/-0.000 χ^2/NDF: 26183482.3/70

In: 0.000+/-0.000 χ^2/NDF:17225530.3/56

Out: 0.000+/-0.000 χ^2/NDF:16800623.6/60

All: 0.000+/-0.000 χ^2/NDF: 34043394.9/117

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

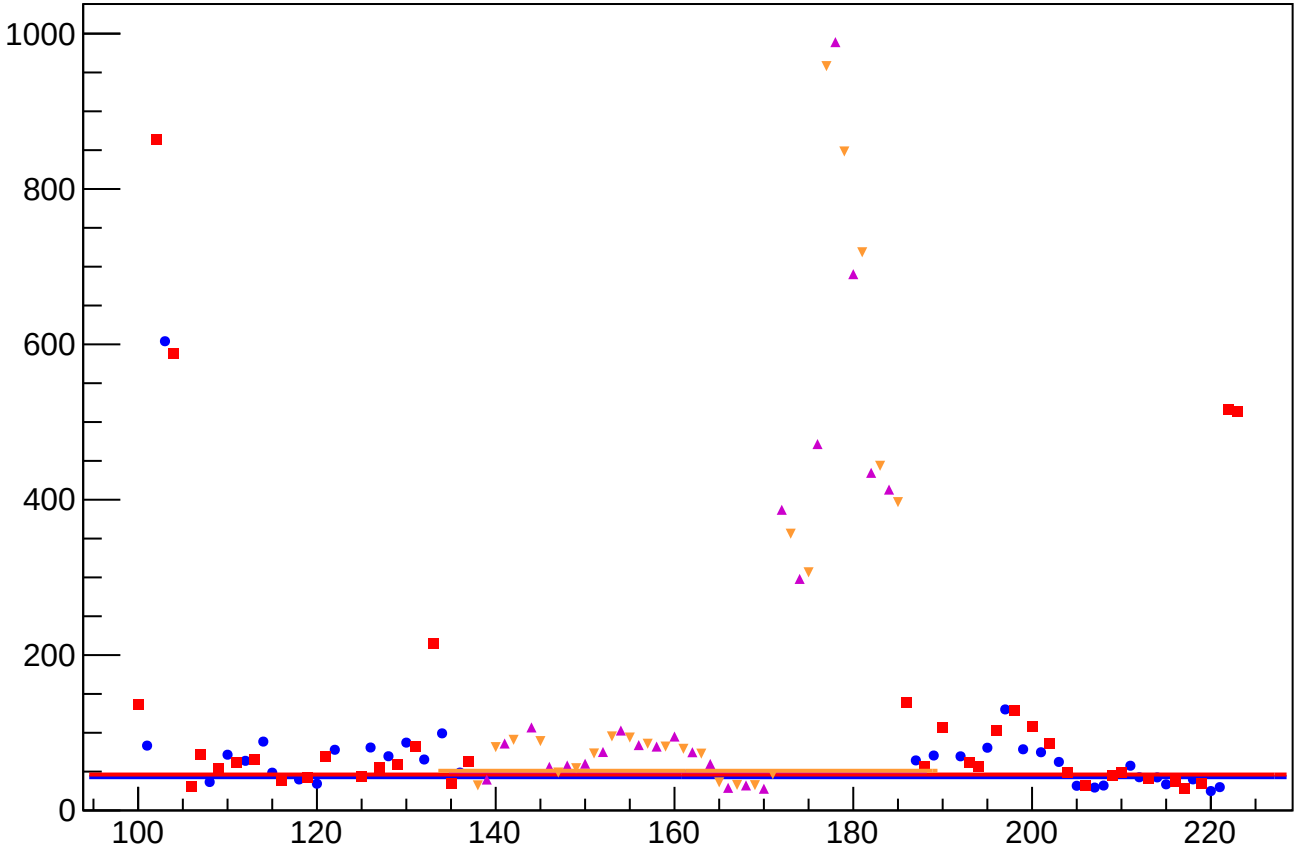
Right: 0.010+/-0.008 χ^2/NDF: 54.9/70

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.020+/-0.009 χ^2/NDF:73.0/60

All: 0.012+/-0.006 χ^2/NDF: 114.5/117

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

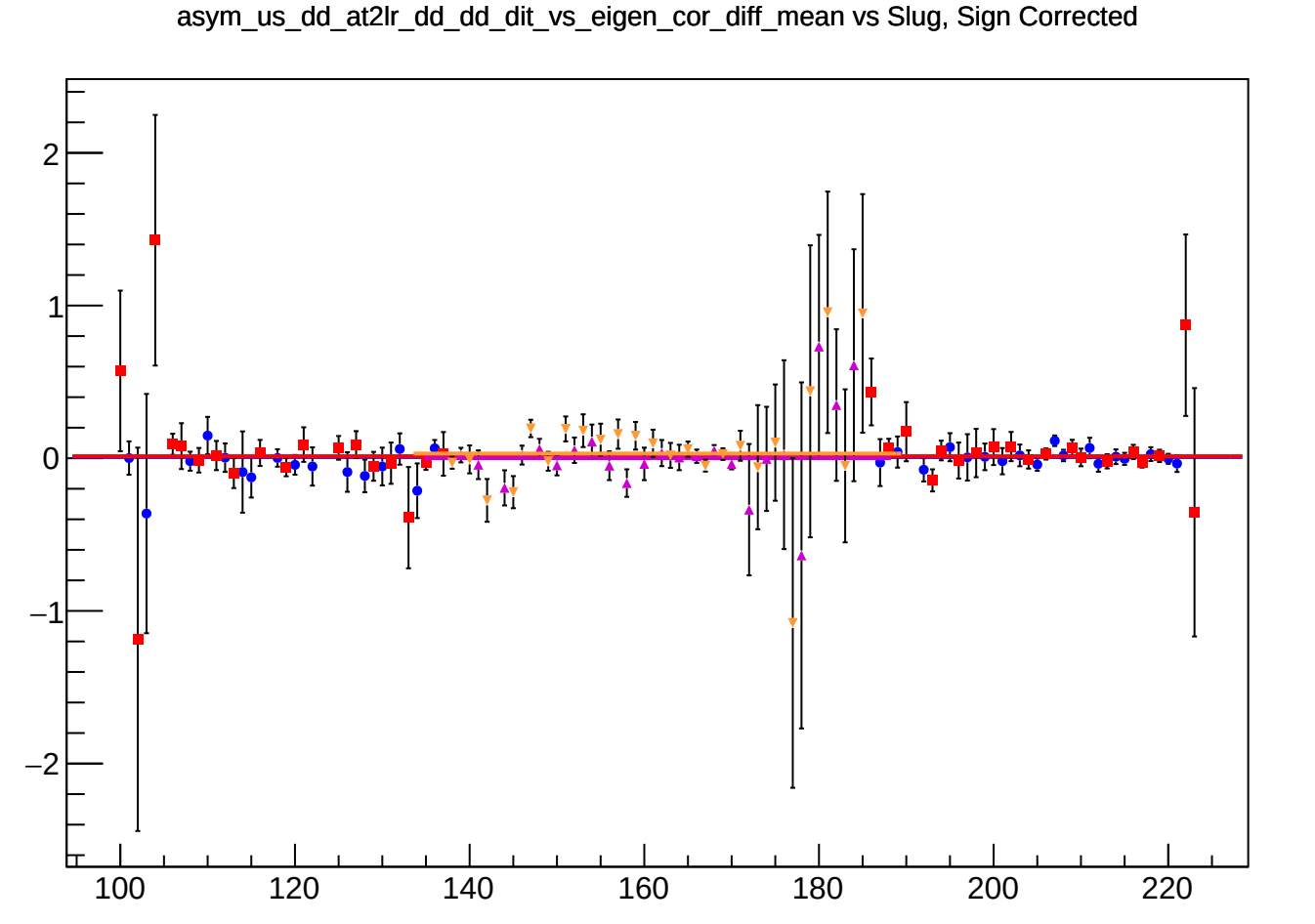
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 44.386+/-0.006 χ^2/NDF: 15173544.0/70

In: 45.336+/-0.006 χ^2/NDF:18914963.7/56

Out: 48.039+/-0.007 χ^2/NDF:20537436.2/60

All: 46.609+/-0.005 χ^2/NDF: 39539466.6/117



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

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

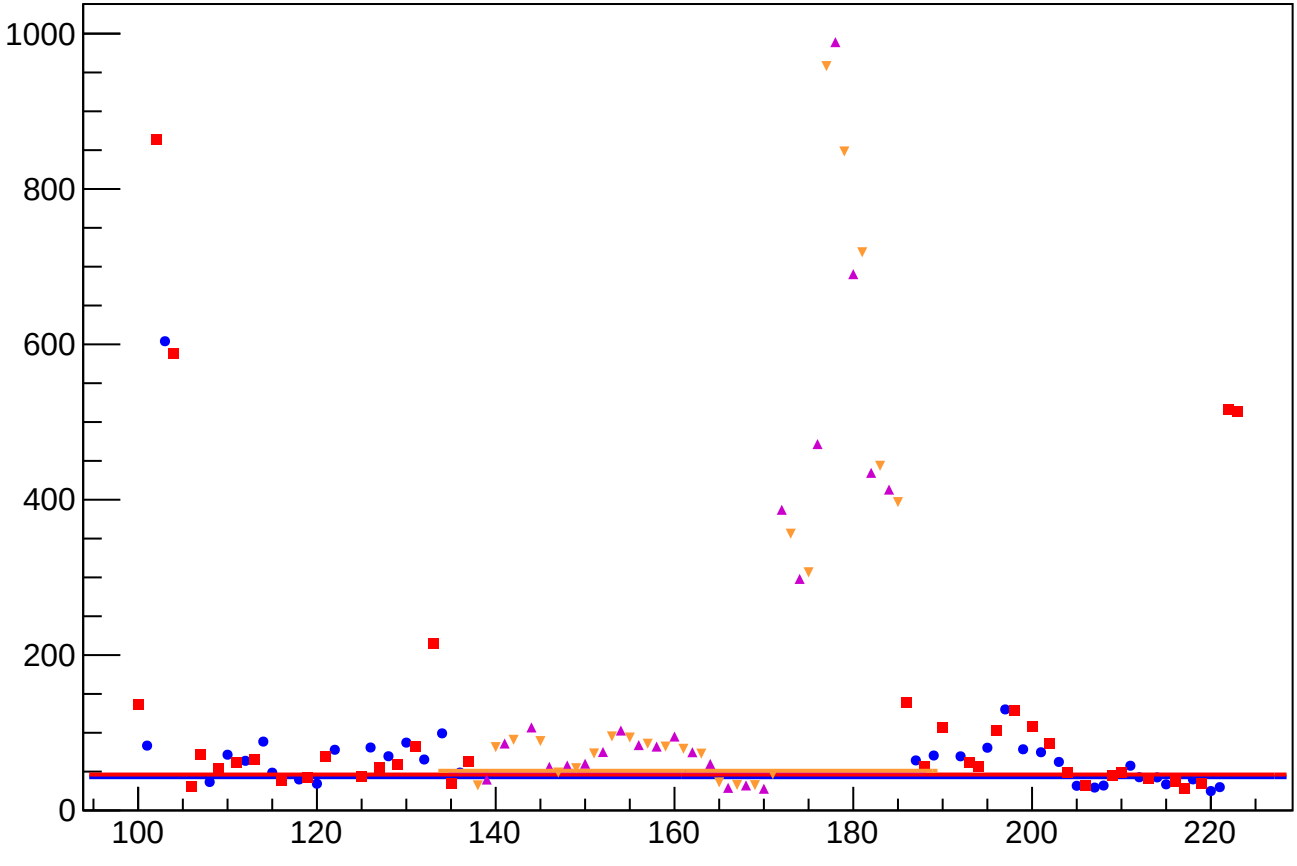
Right: 0.010+/-0.008 χ^2/NDF: 54.9/70

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.020+/-0.009 χ^2/NDF:73.0/60

All: 0.012+/-0.006 χ^2/NDF: 114.5/117

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

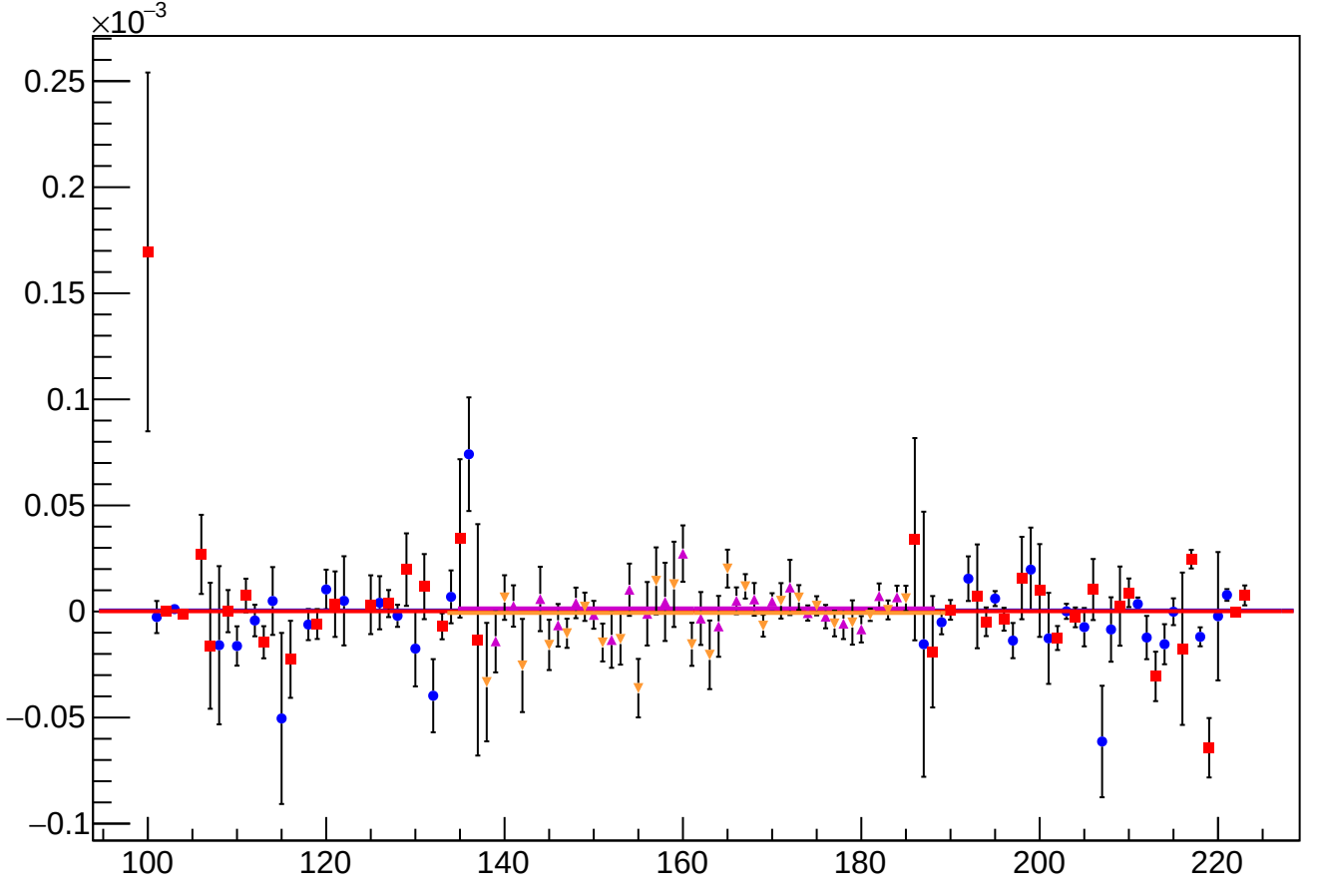
Right: 44.386+/-0.006 χ^2/NDF: 15173544.0/70

In: 45.336+/-0.006 χ^2/NDF:18914963.7/56

Out: 48.039+/-0.007 χ^2/NDF:20537436.2/60

All: 46.609+/-0.005 χ^2/NDF: 39539466.6/117

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

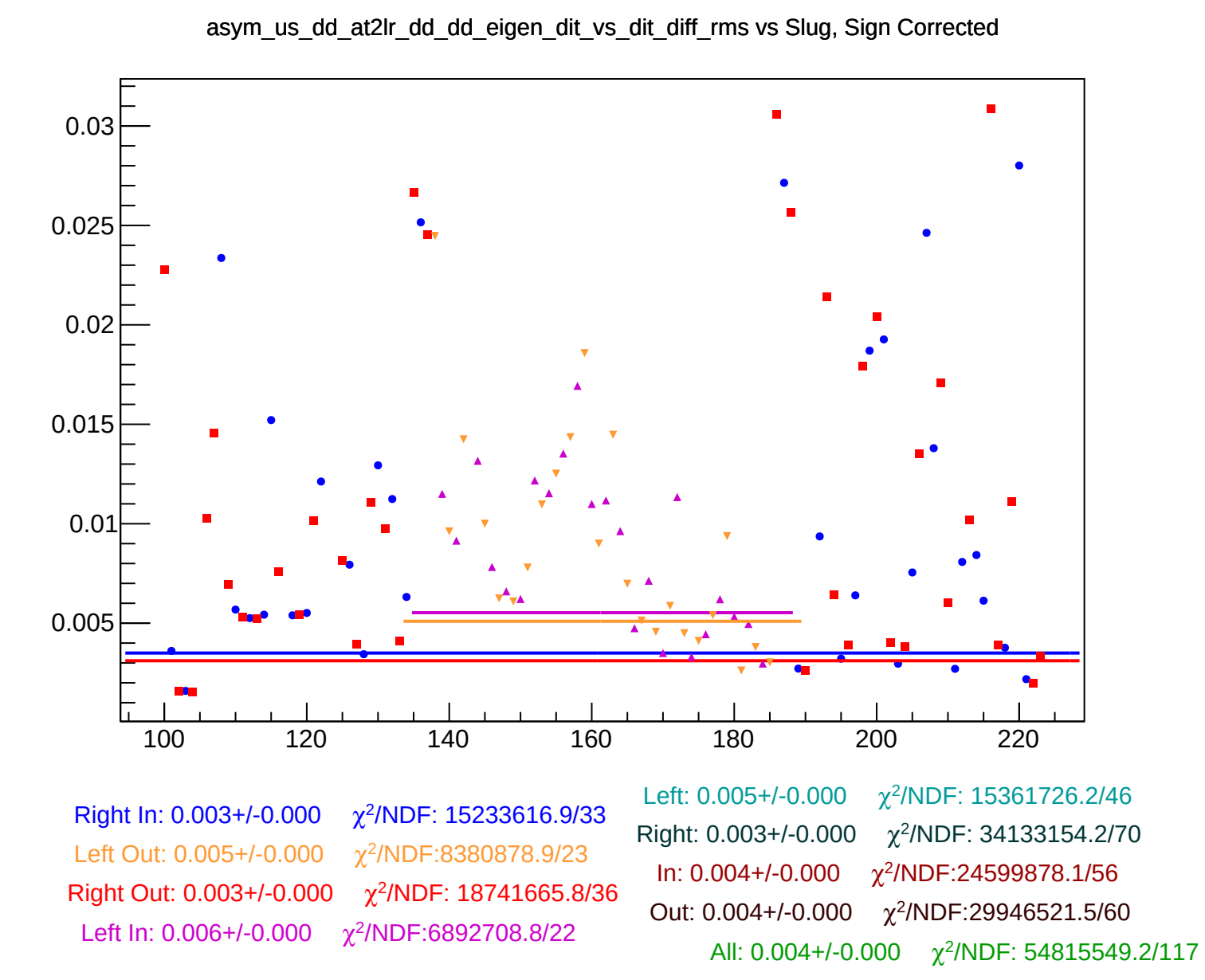
Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

Right: 0.000+/-0.000 χ^2/NDF: 150.4/70

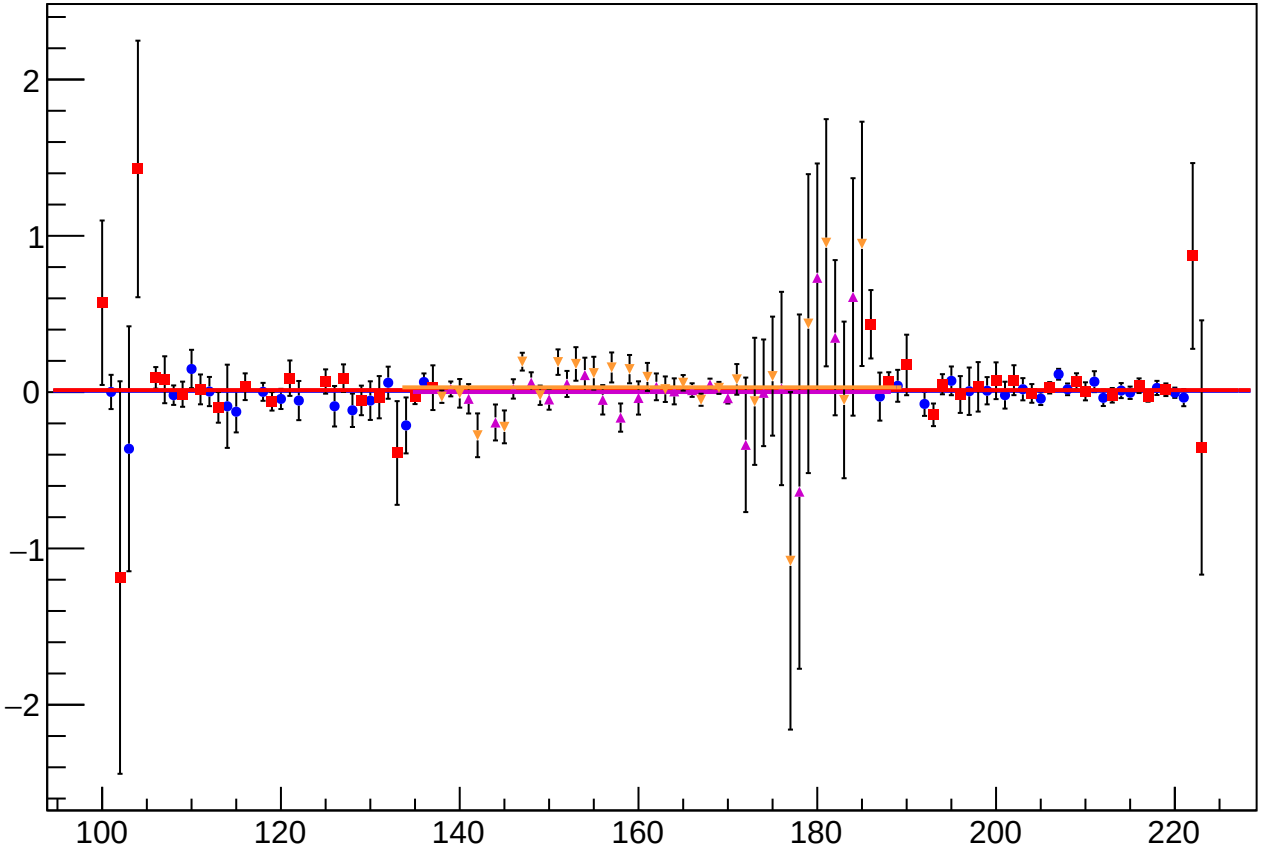
In: 0.000+/-0.000 χ^2/NDF:75.8/56

Out: -0.000+/-0.000 χ^2/NDF:130.0/60

All: 0.000+/-0.000 χ^2/NDF: 206.3/117


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 15233616.9/33
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 18741665.8/36
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
Left: 0.005+/-0.000 χ²/NDF: 15361726.2/46
Right: 0.003+/-0.000 χ²/NDF: 34133154.2/70
In: 0.004+/-0.000 χ²/NDF:24599878.1/56
Out: 0.004+/-0.000 χ²/NDF:29946521.5/60
All: 0.004+/-0.000 χ²/NDF: 54815549.2/117

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

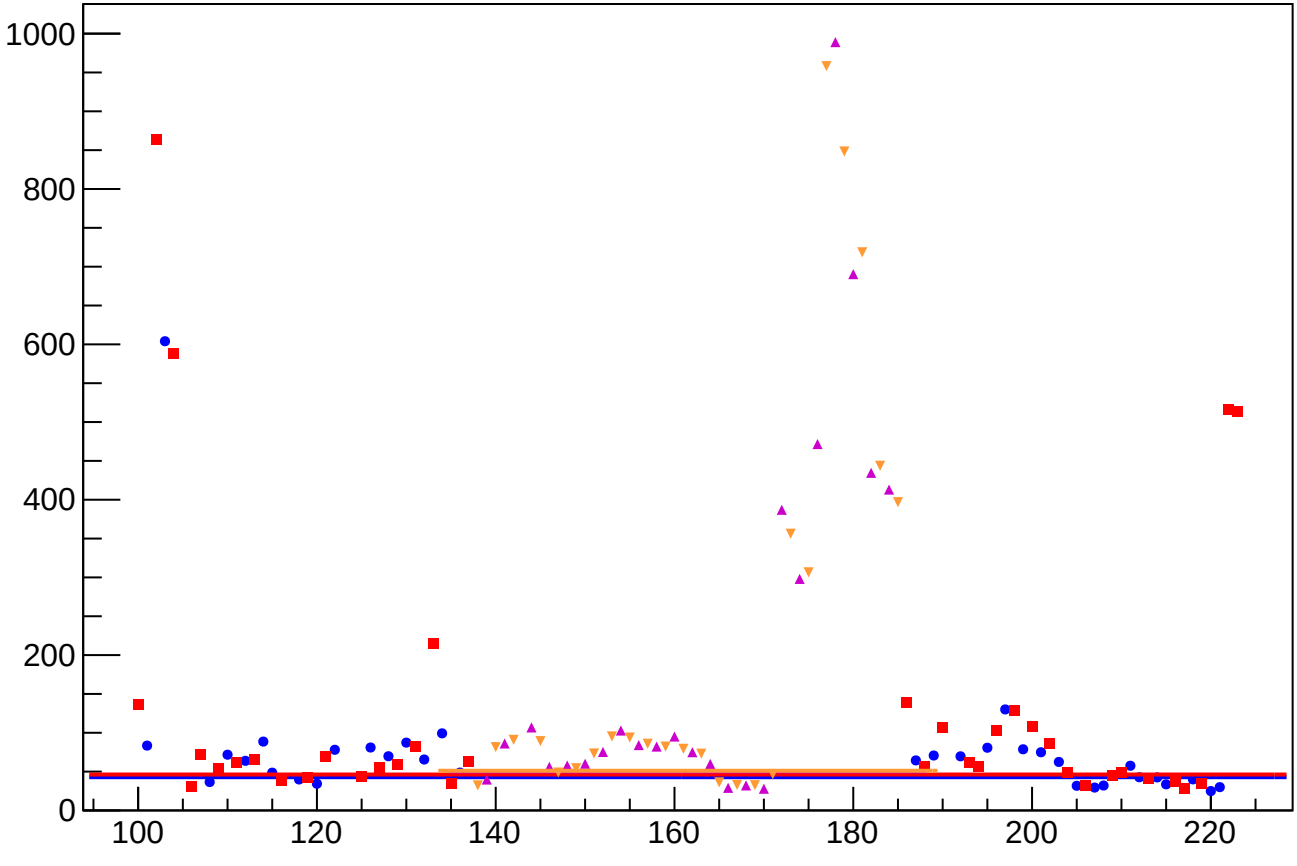
Right: 0.010+/-0.008 χ^2/NDF: 54.9/70

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.020+/-0.009 χ^2/NDF:73.0/60

All: 0.012+/-0.006 χ^2/NDF: 114.5/117

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

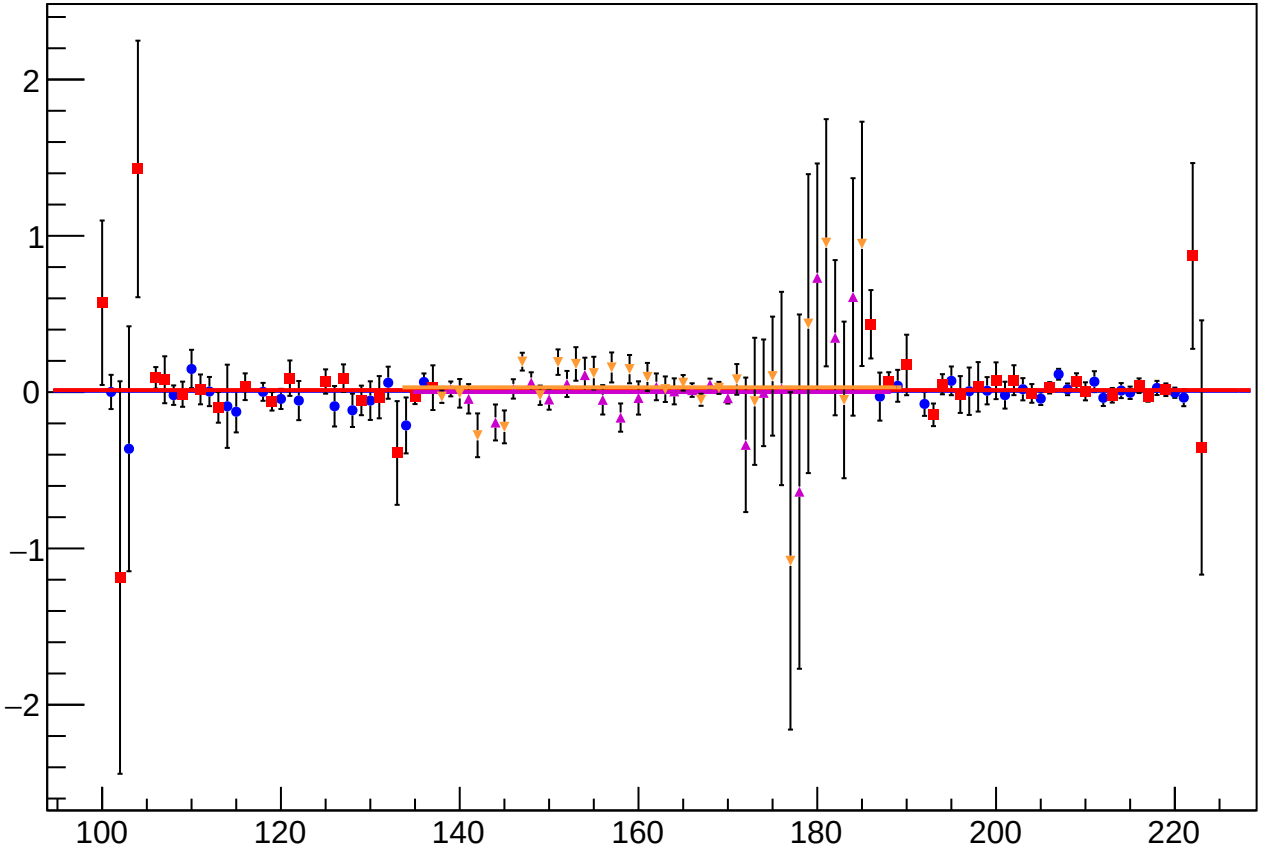
Right: 44.387+/-0.006 χ^2/NDF: 15173250.6/70

In: 45.335+/-0.006 χ^2/NDF:18915296.7/56

Out: 48.042+/-0.007 χ^2/NDF:20535759.5/60

All: 46.610+/-0.005 χ^2/NDF: 39538336.7/117

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

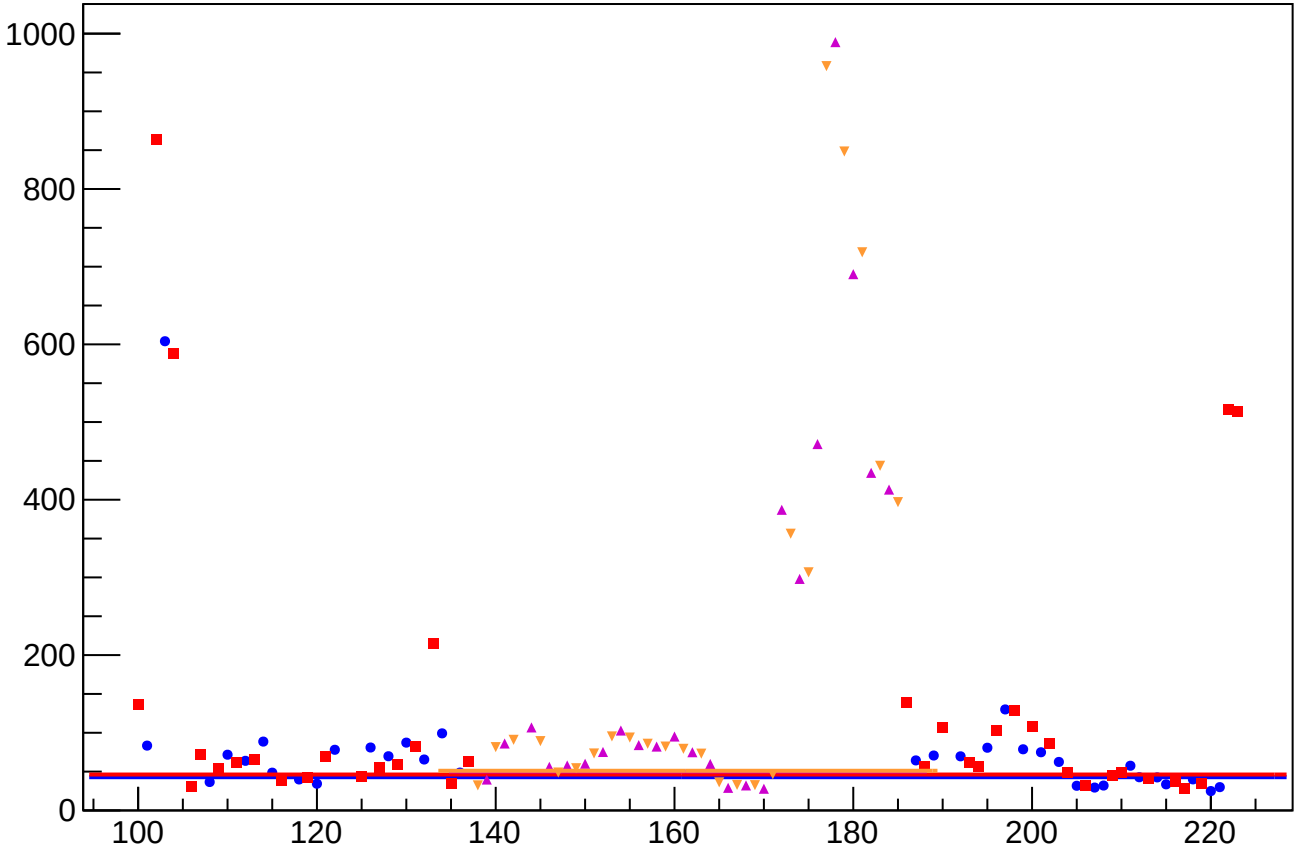
Right: 0.010+/-0.008 χ^2/NDF: 54.9/70

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.020+/-0.009 χ^2/NDF:73.0/60

All: 0.012+/-0.006 χ^2/NDF: 114.5/117

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

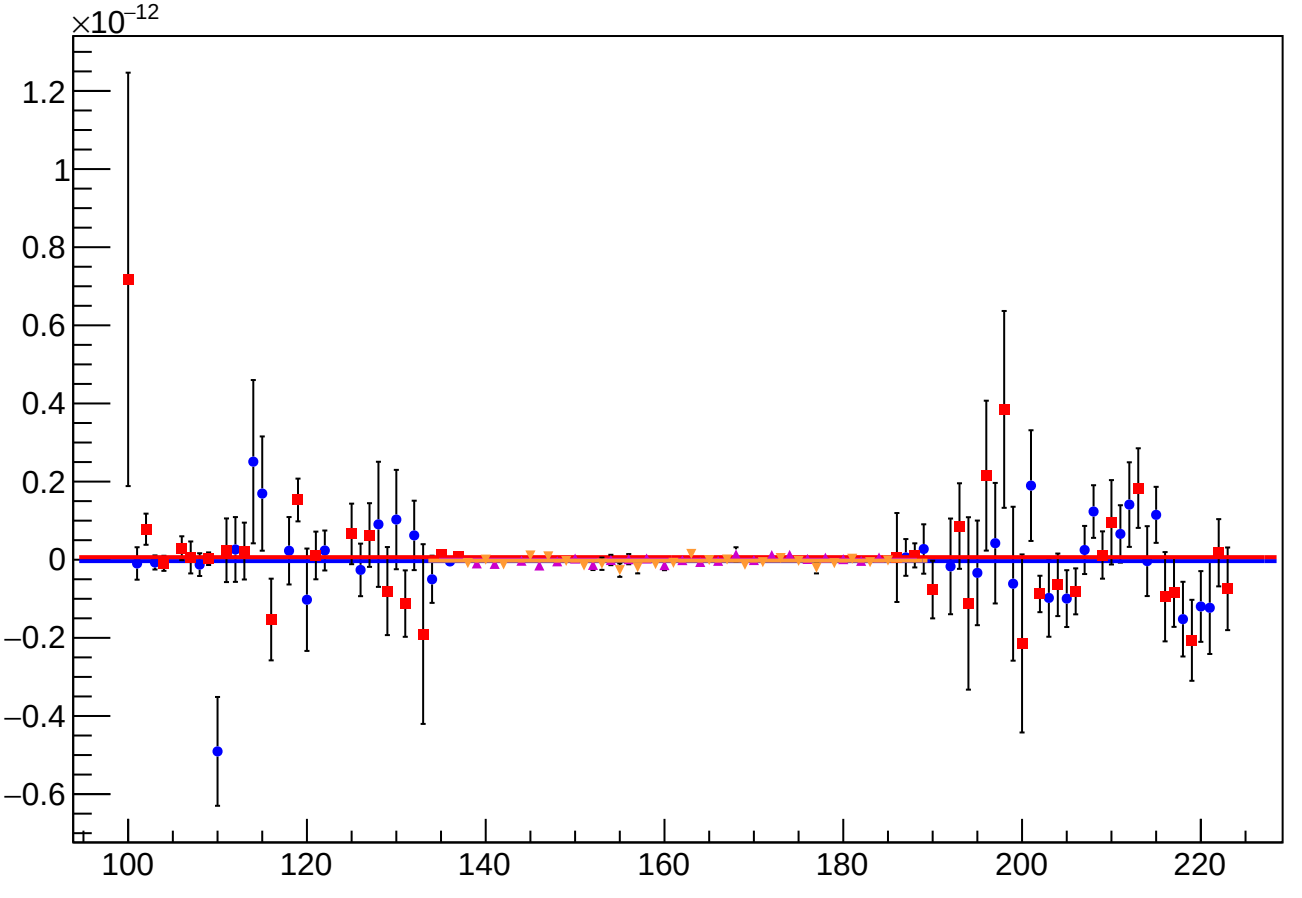
Right: 44.387+/-0.006 χ^2/NDF: 15173250.6/70

In: 45.335+/-0.006 χ^2/NDF:18915296.7/56

Out: 48.042+/-0.007 χ^2/NDF:20535759.5/60

All: 46.610+/-0.005 χ^2/NDF: 39538336.7/117

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

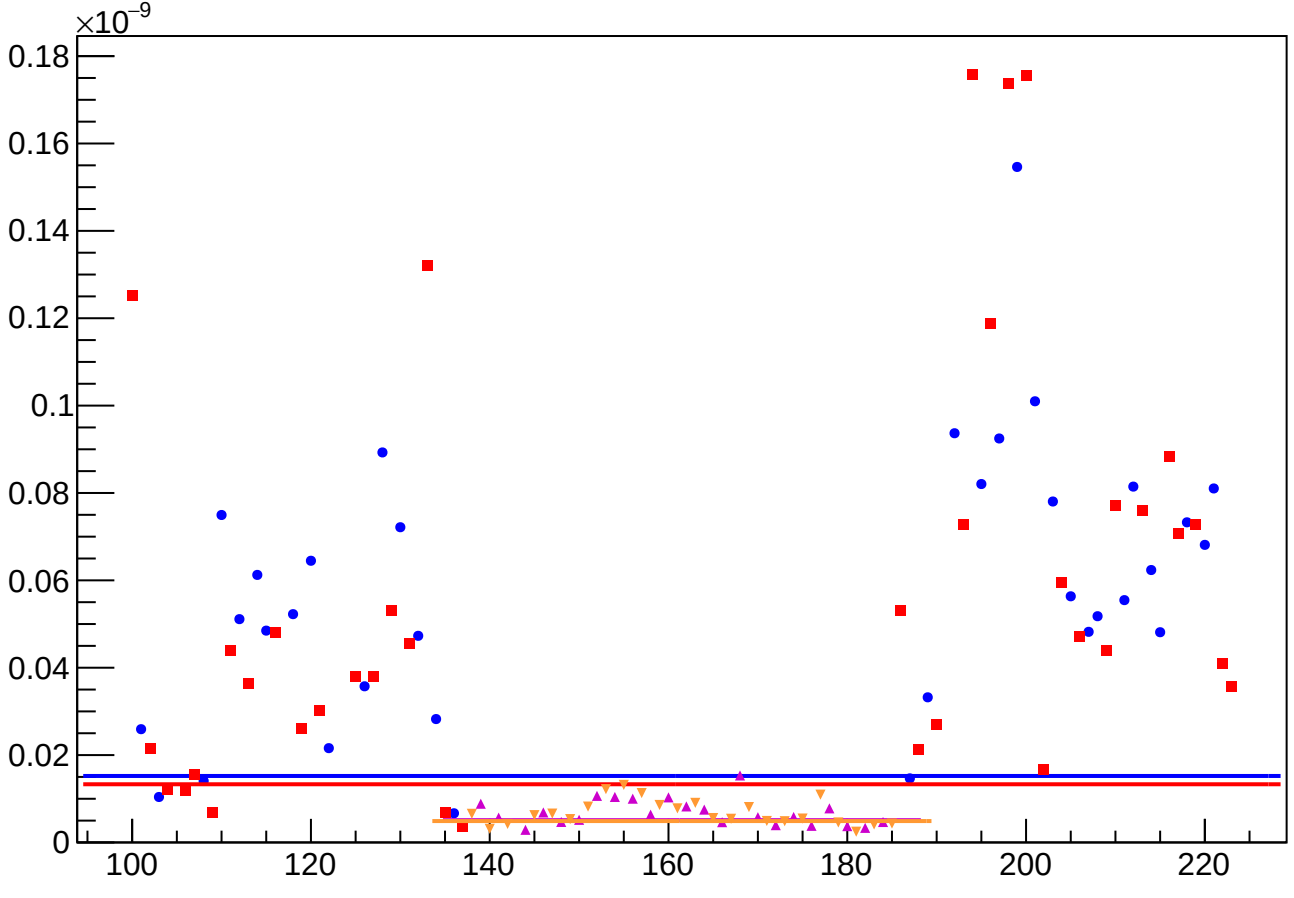
Right: 0.000+/-0.000 χ^2/NDF: 83.6/70

In: -0.000+/-0.000 χ^2/NDF:56.4/56

Out: -0.000+/-0.000 χ^2/NDF:68.6/60

All: -0.000+/-0.000 χ^2/NDF: 125.5/117

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

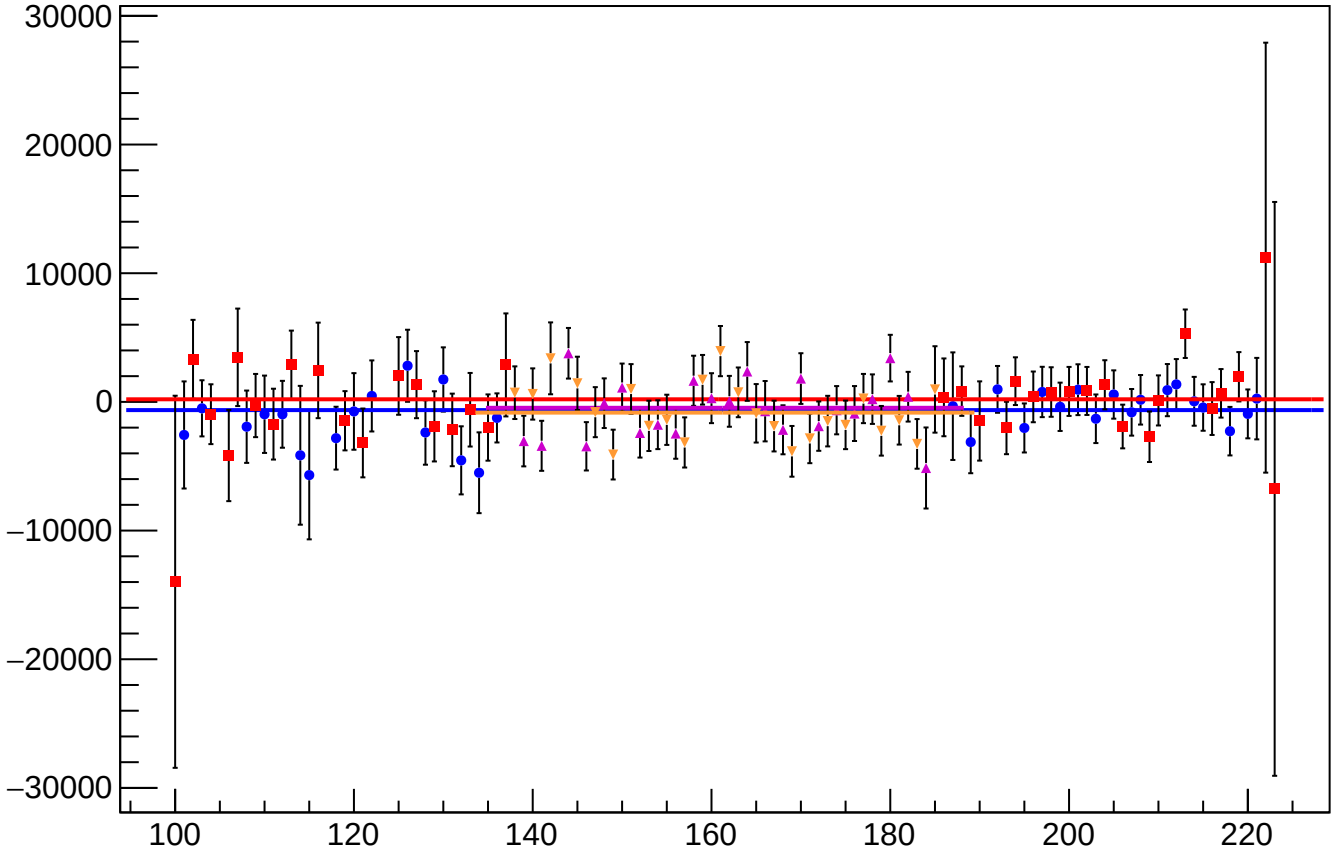
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 31501066.2/70

In: 0.000+/-0.000 χ^2/NDF:24558991.9/56

Out: 0.000+/-0.000 χ^2/NDF:23230136.4/60

All: 0.000+/-0.000 χ^2/NDF: 47822904.7/117



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

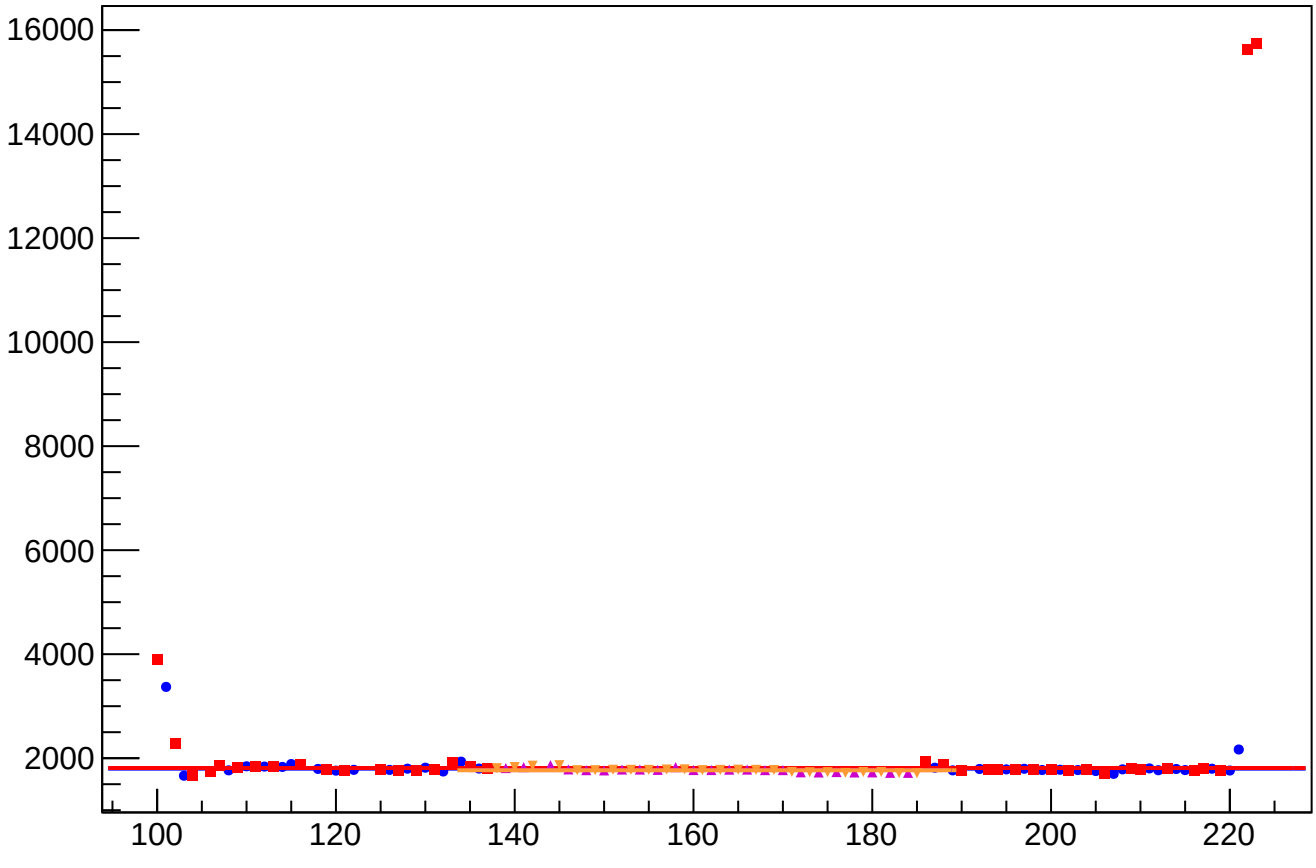
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -222.095+/-276.660 χ^2/NDF: 46.8/70

In: -554.105+/-283.512 χ^2/NDF:44.7/56

Out: -293.143+/-283.930 χ^2/NDF:55.9/60

All: -423.817+/-200.621 χ^2/NDF: 101.0/117



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

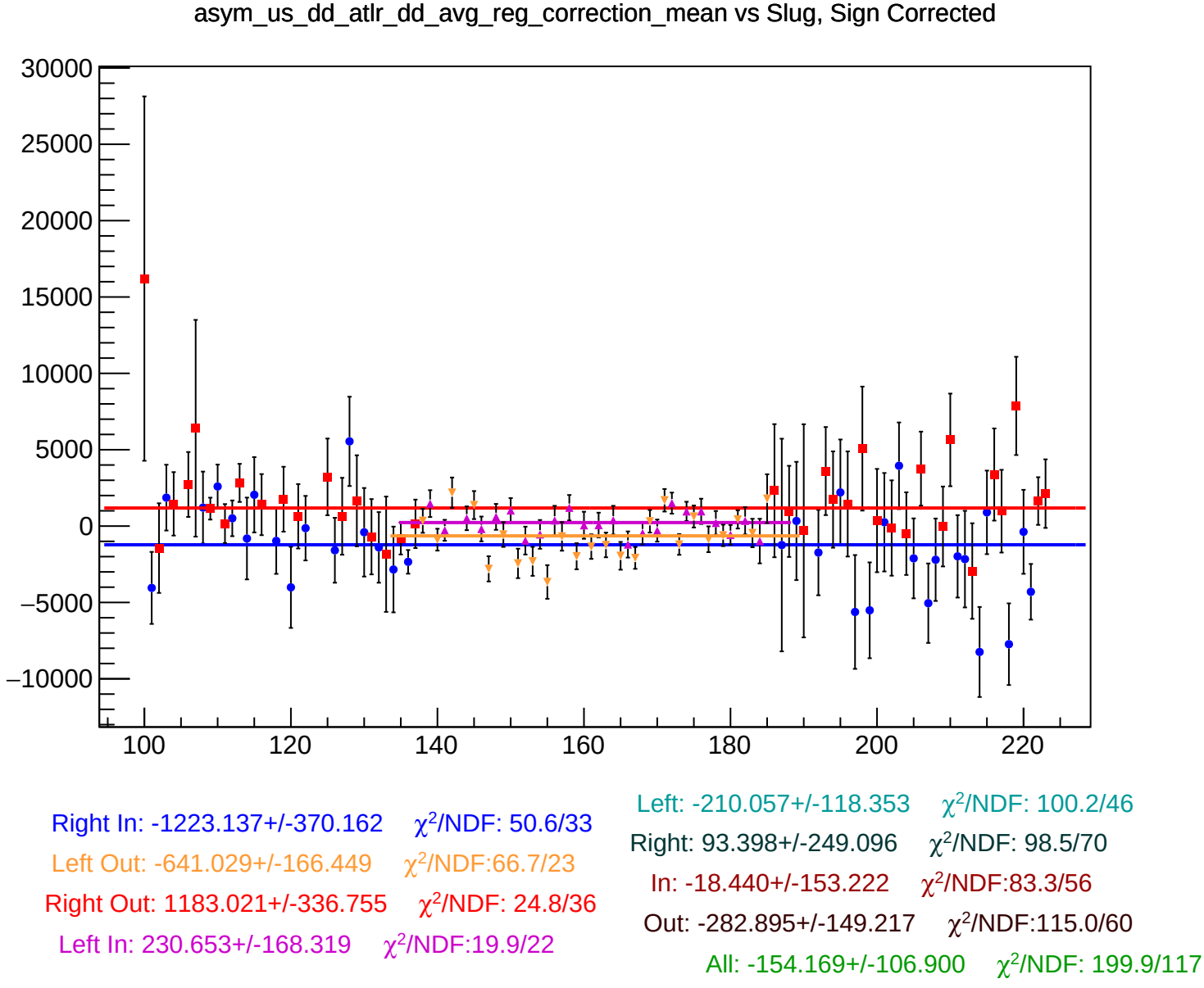
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

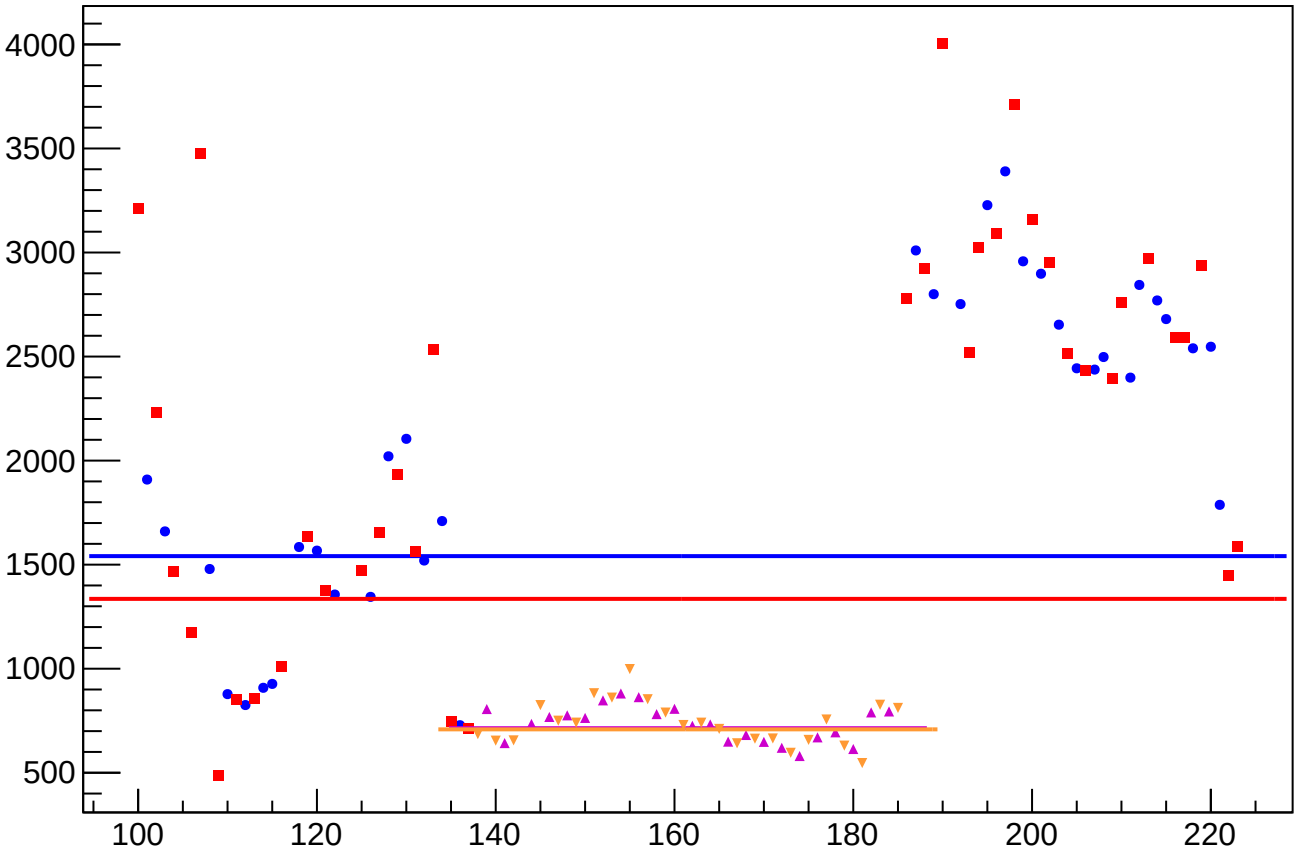
Right: 1805.142+/-0.196 χ^2/NDF: 2612253.6/70

In: 1786.123+/-0.200 χ^2/NDF:359275.8/56

Out: 1790.519+/-0.201 χ^2/NDF:2301176.9/60

All: 1788.318+/-0.142 χ^2/NDF: 2660692.7/11


asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1223.137+/-370.162 χ²/NDF: 50.6/33
Left Out: -641.029+/-166.449 χ²/NDF:66.7/23
Right Out: 1183.021+/-336.755 χ²/NDF: 24.8/36
Left In: 230.653+/-168.319 χ²/NDF:19.9/22
Left: -210.057+/-118.353 χ²/NDF: 100.2/46
Right: 93.398+/-249.096 χ²/NDF: 98.5/70
In: -18.440+/-153.222 χ²/NDF:83.3/56
Out: -282.895+/-149.217 χ²/NDF:115.0/60
All: -154.169+/-106.900 χ²/NDF: 199.9/117



Right In: 1541.008+/-0.262 χ^2/NDF: 9096783.8/33

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1335.544+/-0.238 χ^2/NDF: 12911689.2/36

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

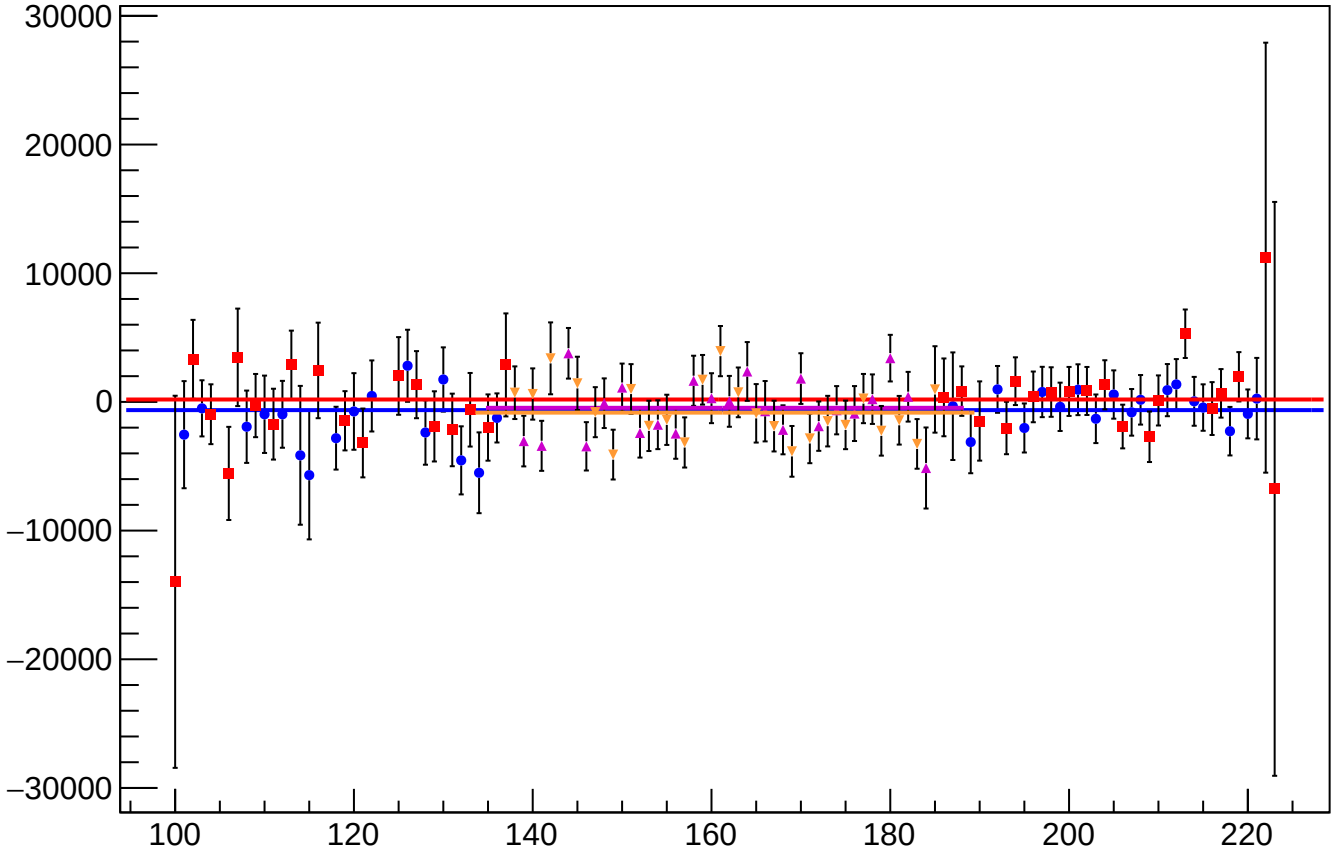
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1428.588+/-0.176 χ^2/NDF: 22345624.2/70

In: 855.834+/-0.108 χ^2/NDF:17863398.0/56

Out: 831.616+/-0.106 χ^2/NDF:19184898.7/60

All: 843.404+/-0.076 χ^2/NDF: 37073941.5/12



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

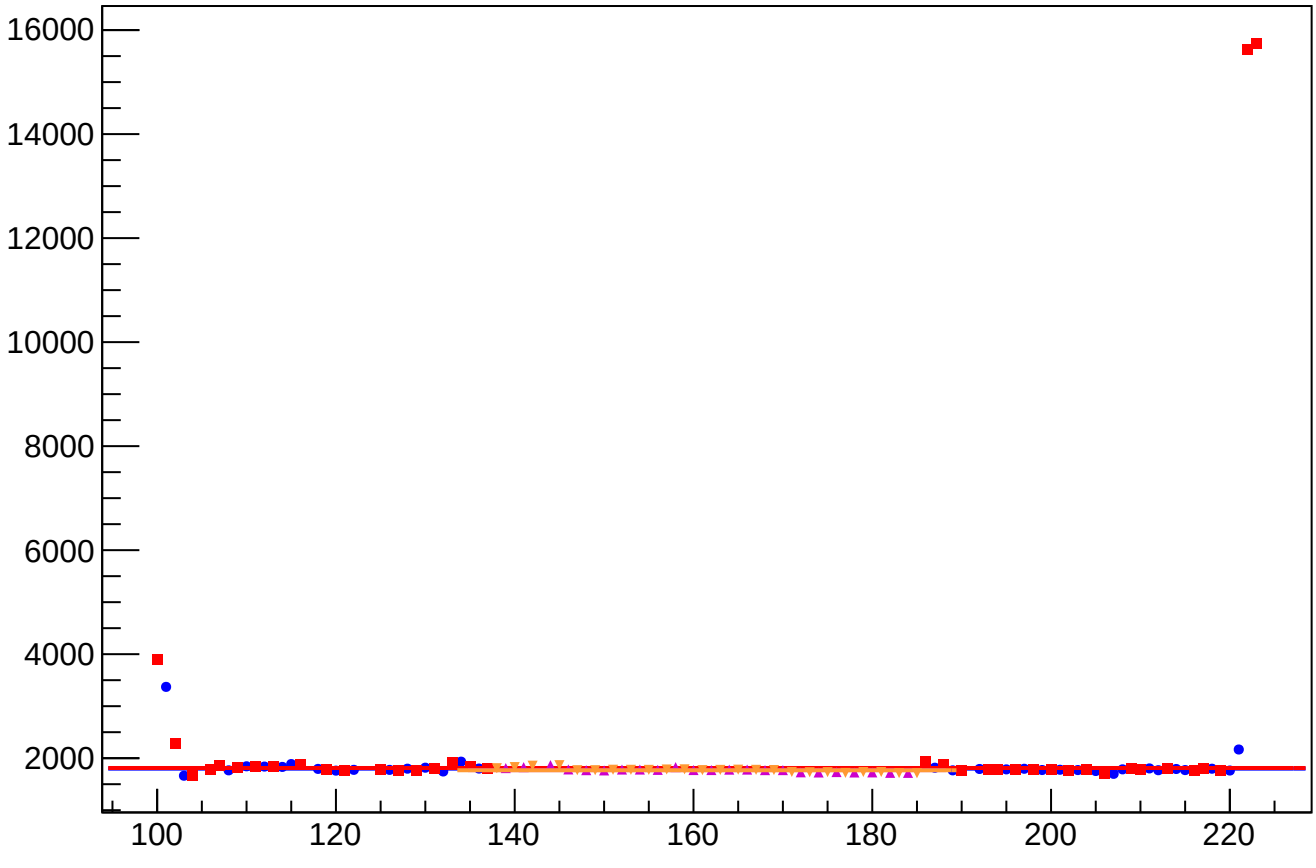
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -229.115+/-276.694 χ^2/NDF: 47.7/70

In: -553.960+/-283.512 χ^2/NDF:44.7/56

Out: -300.631+/-283.968 χ^2/NDF:56.8/60

All: -427.499+/-200.634 χ^2/NDF: 101.9/117



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

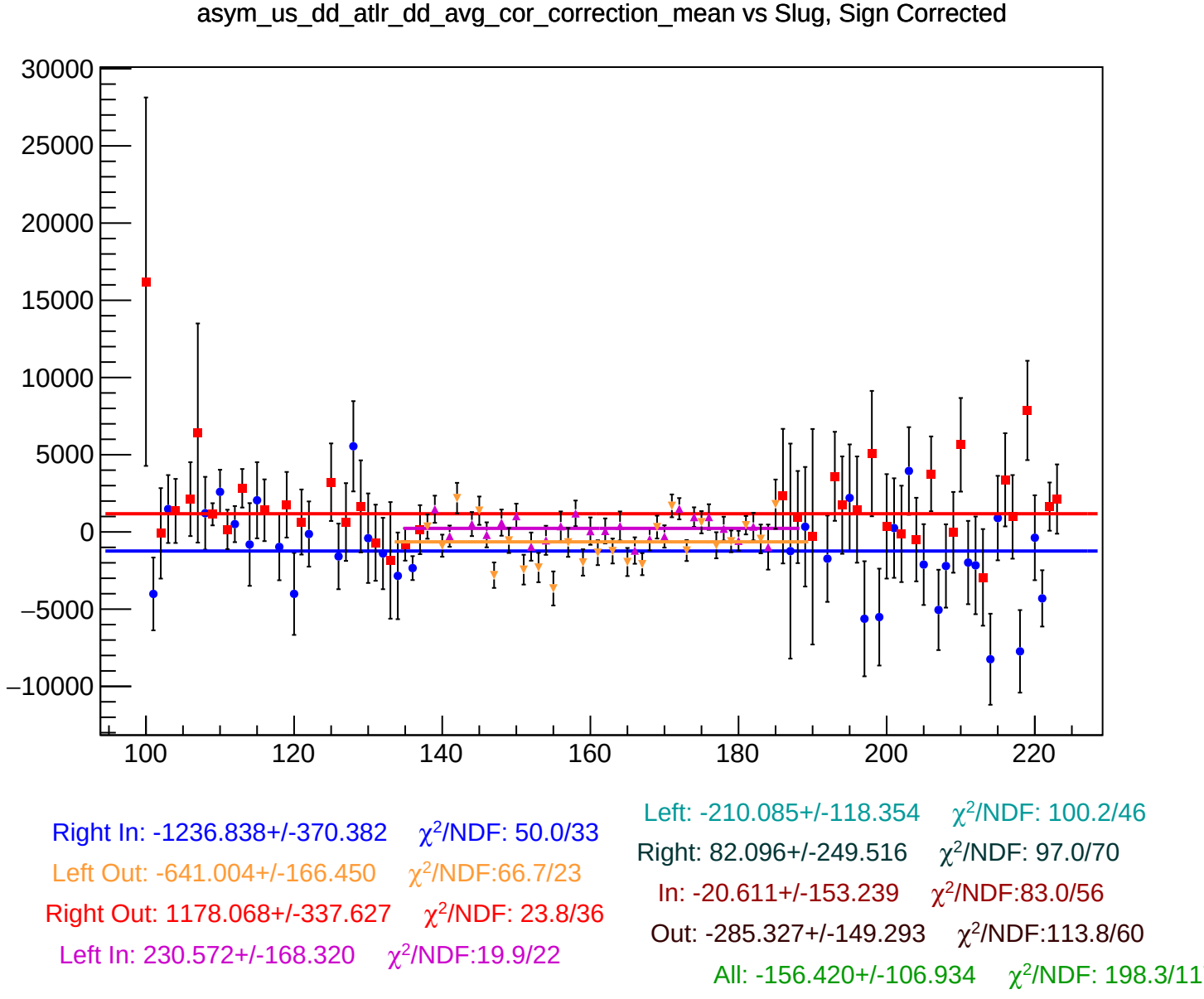
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

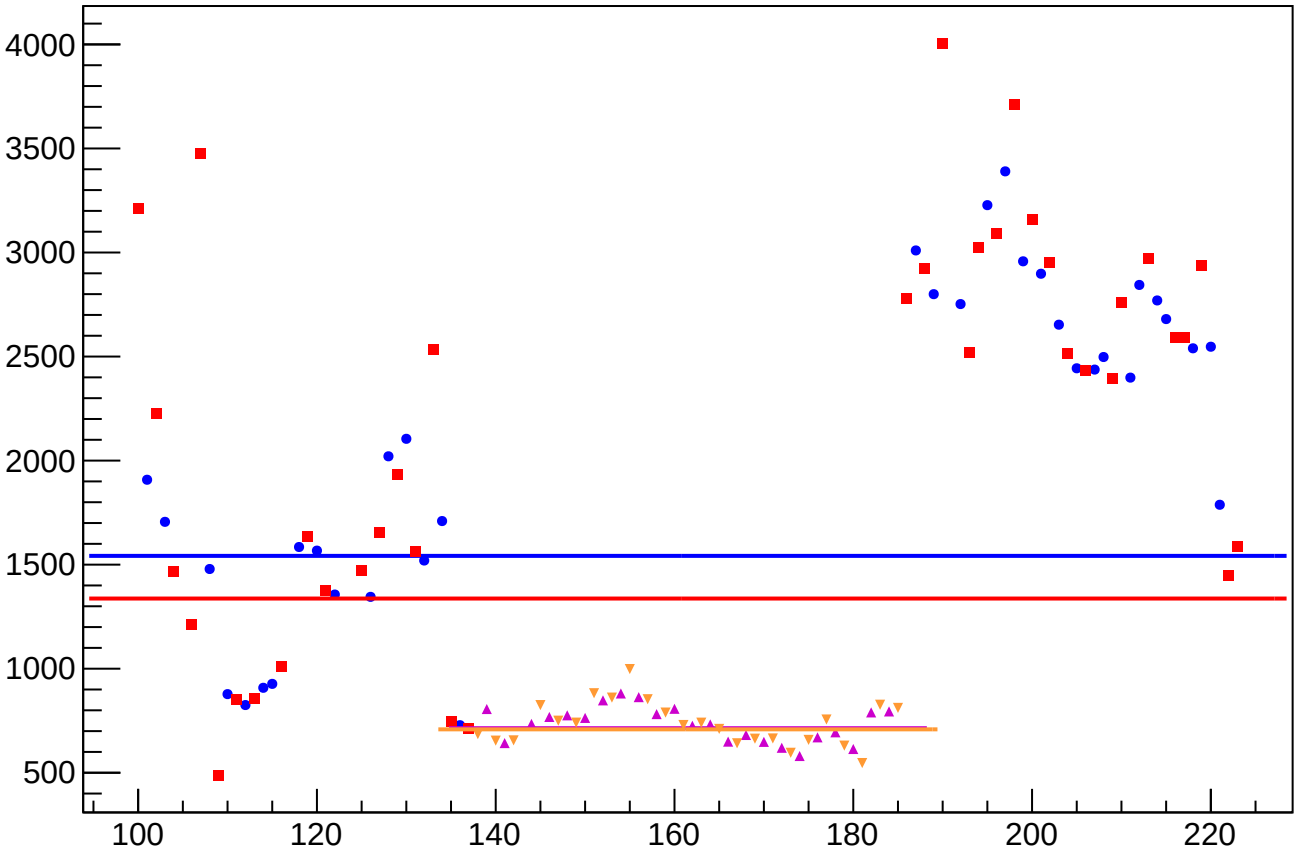
Right: 1805.395+/-0.196 χ^2/NDF: 2611809.0/70

In: 1786.123+/-0.200 χ^2/NDF:359277.6/56

Out: 1790.781+/-0.201 χ^2/NDF:2300921.9/60

All: 1788.449+/-0.142 χ^2/NDF: 2660469.0/11


asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1236.838+/-370.382 χ²/NDF: 50.0/33
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: 1178.068+/-337.627 χ²/NDF: 23.8/36
Left In: 230.572+/-168.320 χ²/NDF:19.9/22
Left: -210.085+/-118.354 χ²/NDF: 100.2/46
Right: 82.096+/-249.516 χ²/NDF: 97.0/70
In: -20.611+/-153.239 χ²/NDF:83.0/56
Out: -285.327+/-149.293 χ²/NDF:113.8/60
All: -156.420+/-106.934 χ²/NDF: 198.3/117



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

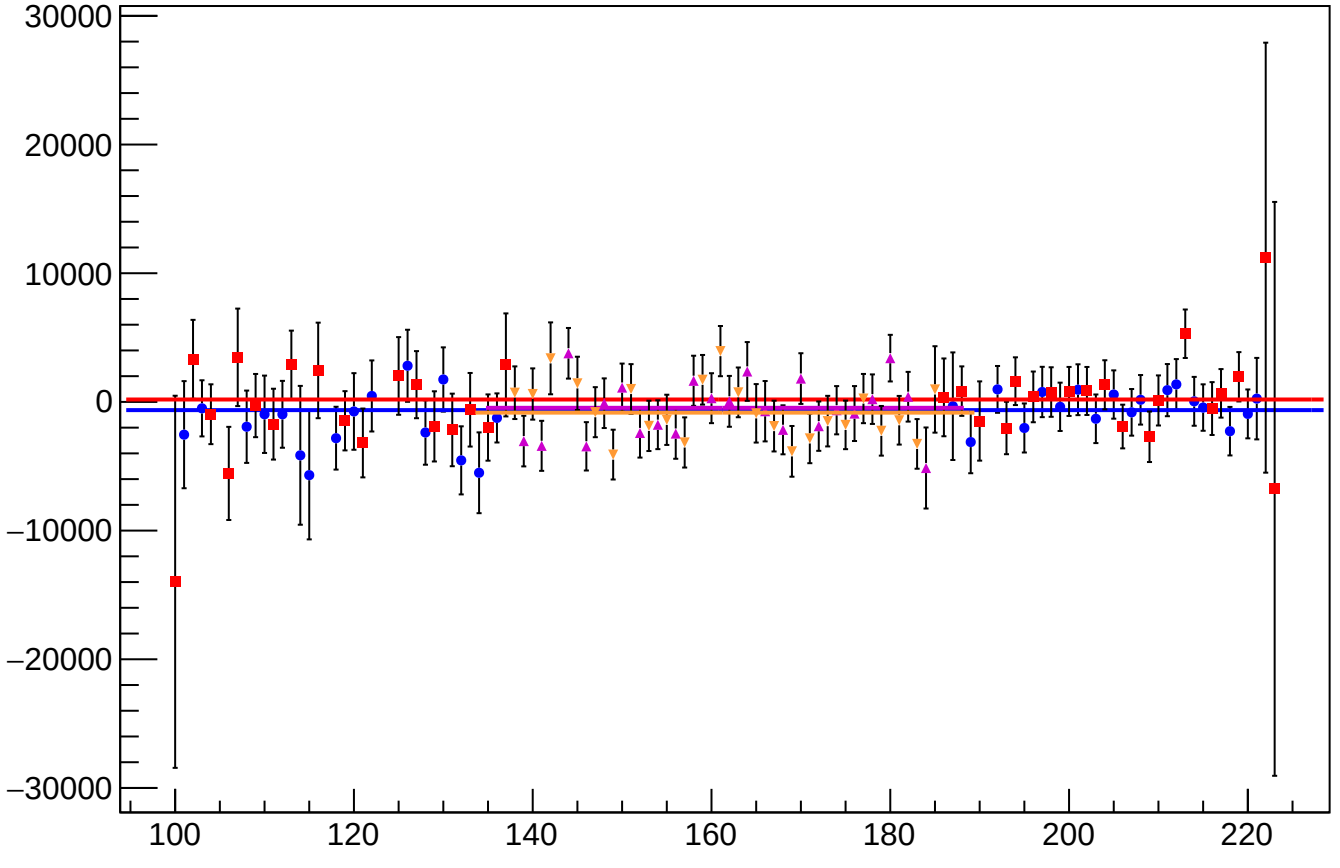
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1430.183+/-0.176 χ^2/NDF: 22341003.6/70

In: 855.902+/-0.108 χ^2/NDF:17883411.6/56

Out: 831.419+/-0.106 χ^2/NDF:19182353.6/60

All: 843.341+/-0.076 χ^2/NDF: 37091957.5/1



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

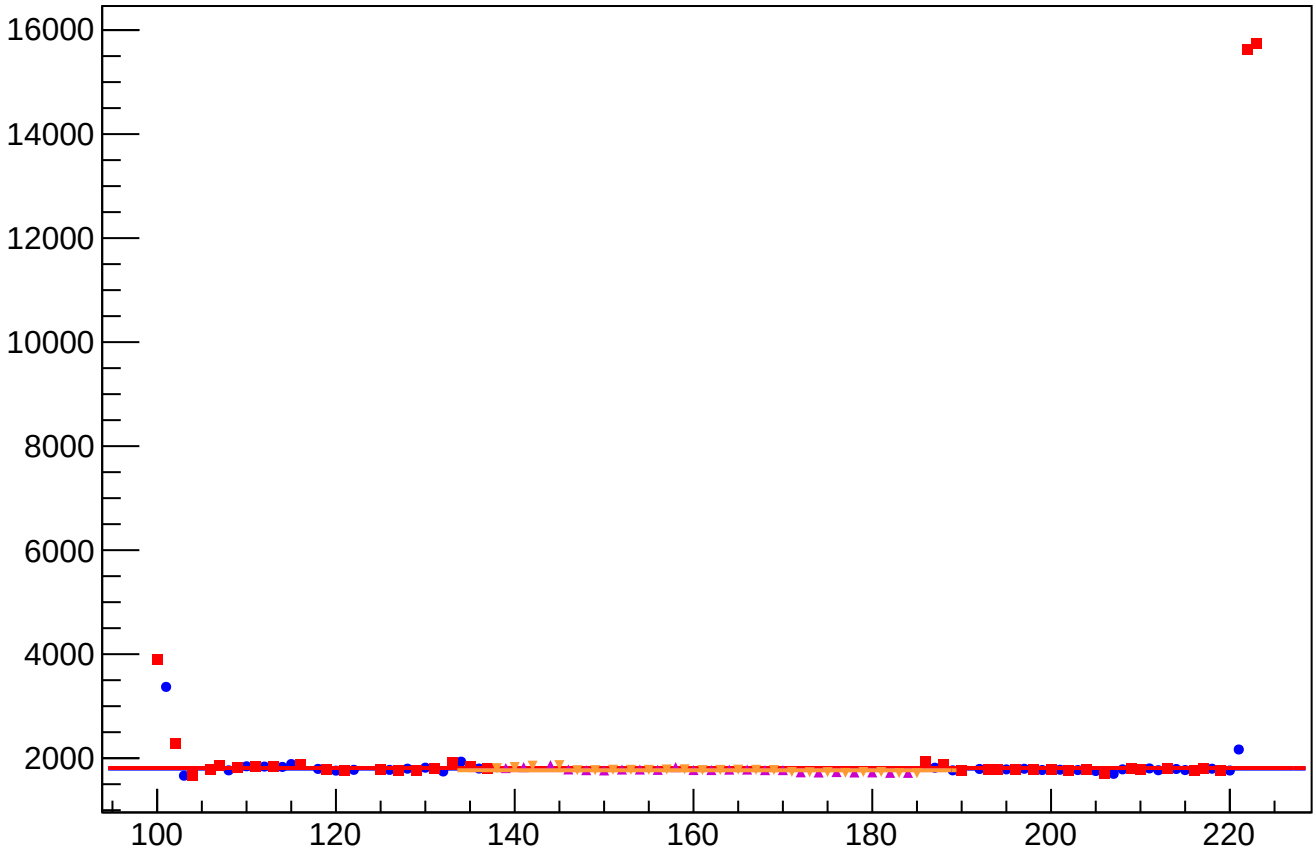
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -229.115+/-276.694 χ^2/NDF: 47.7/70

In: -553.960+/-283.512 χ^2/NDF:44.7/56

Out: -300.631+/-283.968 χ^2/NDF:56.8/60

All: -427.499+/-200.634 χ^2/NDF: 101.9/117



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

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

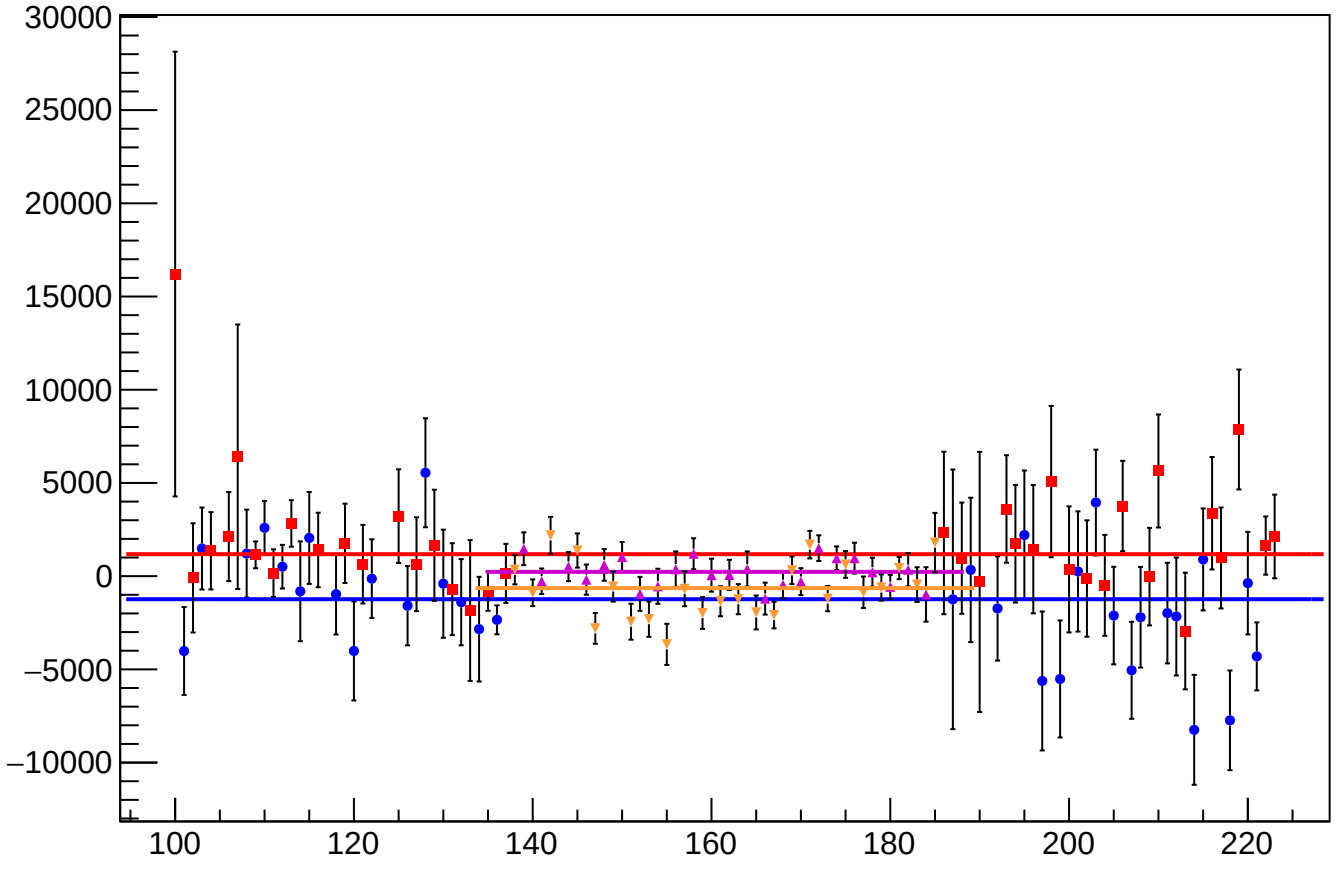
Right: 1805.395+/-0.196 χ^2/NDF: 2611809.0/70

In: 1786.123+/-0.200 χ^2/NDF:359277.6/56

Out: 1790.781+/-0.201 χ^2/NDF:2300921.9/60

All: 1788.449+/-0.142 χ^2/NDF: 2660469.0/11

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

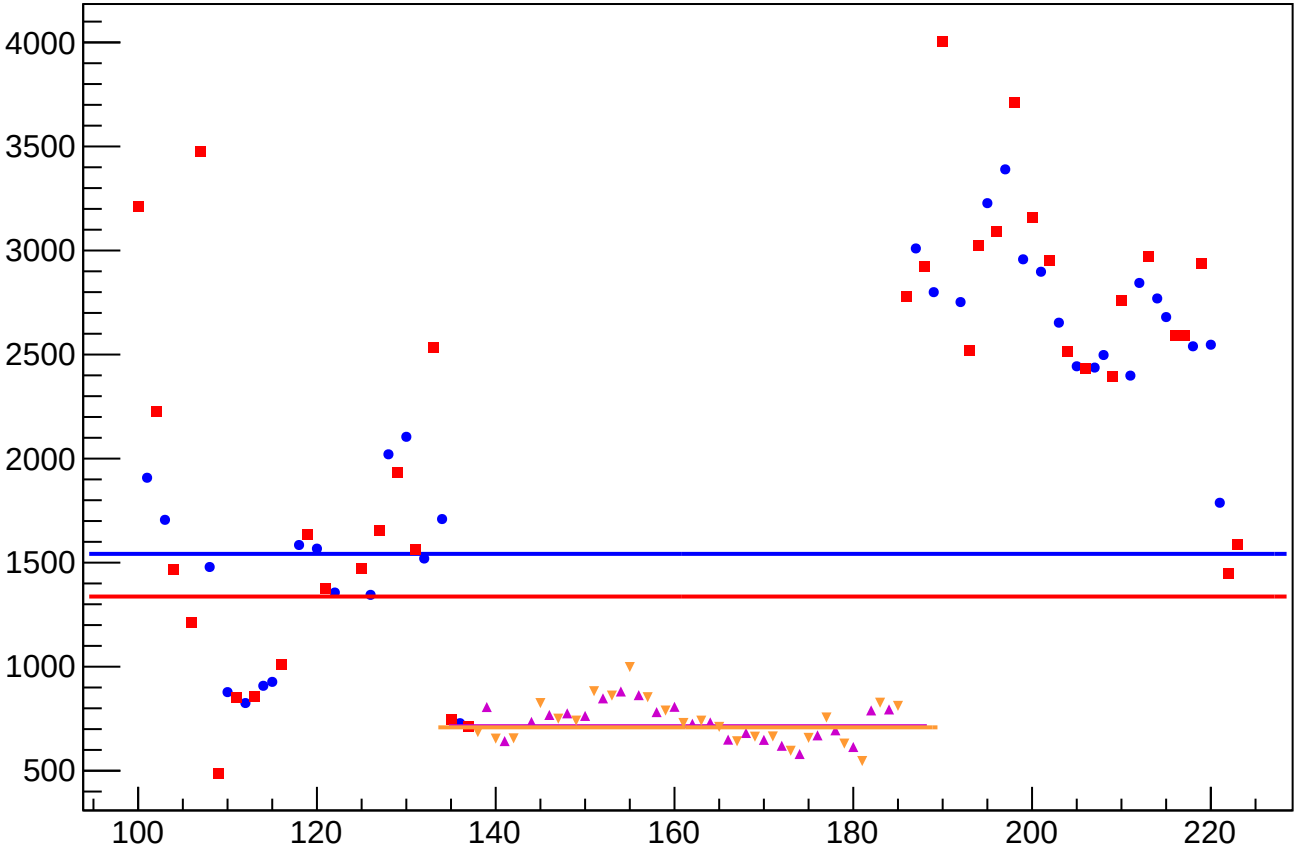
Right: 82.096+/-249.516 χ^2/NDF: 97.0/70

In: -20.611+/-153.239 χ^2/NDF:83.0/56

Out: -285.327+/-149.293 χ^2/NDF:113.8/60

All: -156.420+/-106.934 χ^2/NDF: 198.3/117

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

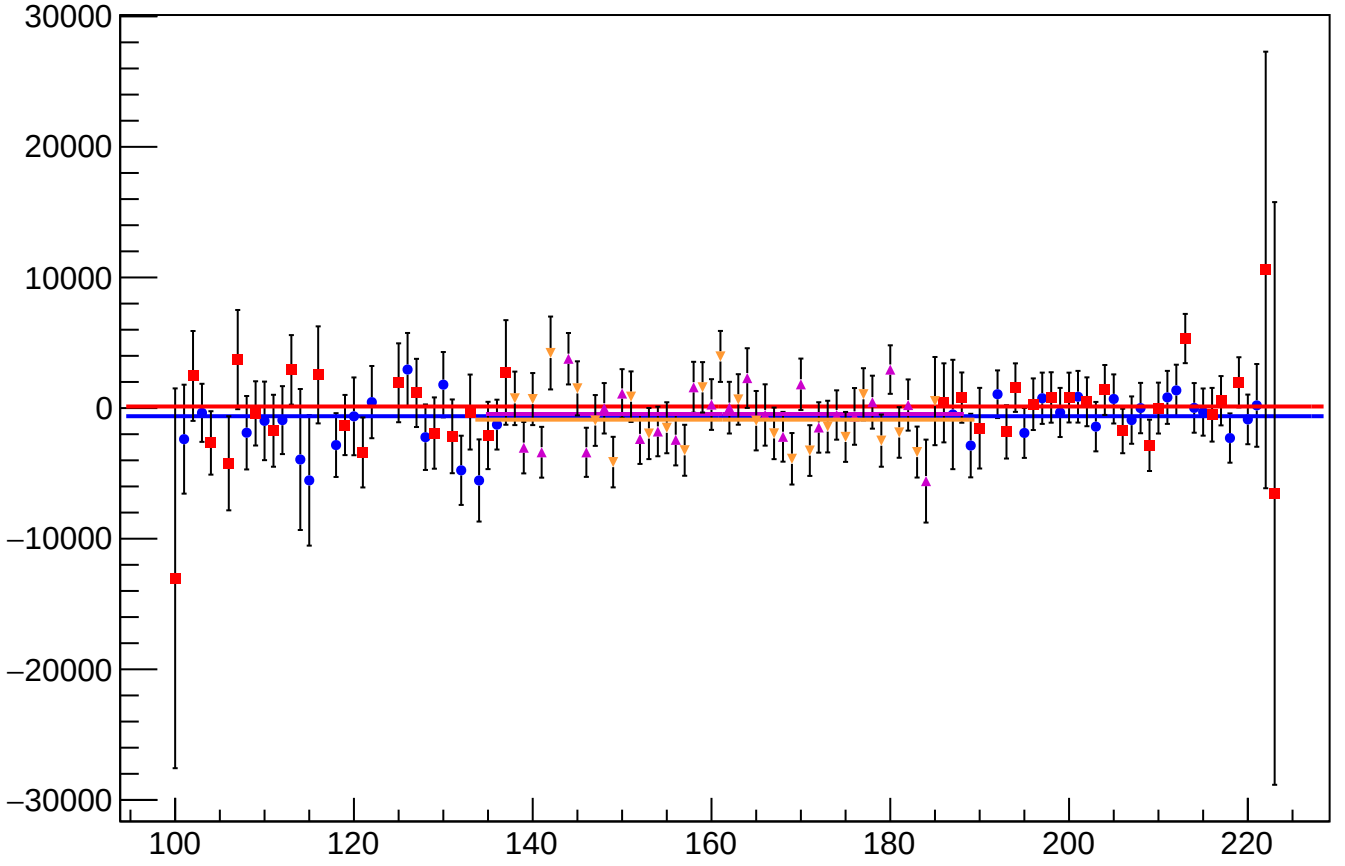
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1430.183+/-0.176 χ^2/NDF: 22341003.6/70

In: 855.902+/-0.108 χ^2/NDF:17883411.6/56

Out: 831.419+/-0.106 χ^2/NDF:19182353.6/60

All: 843.341+/-0.076 χ^2/NDF: 37091957.5/1



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

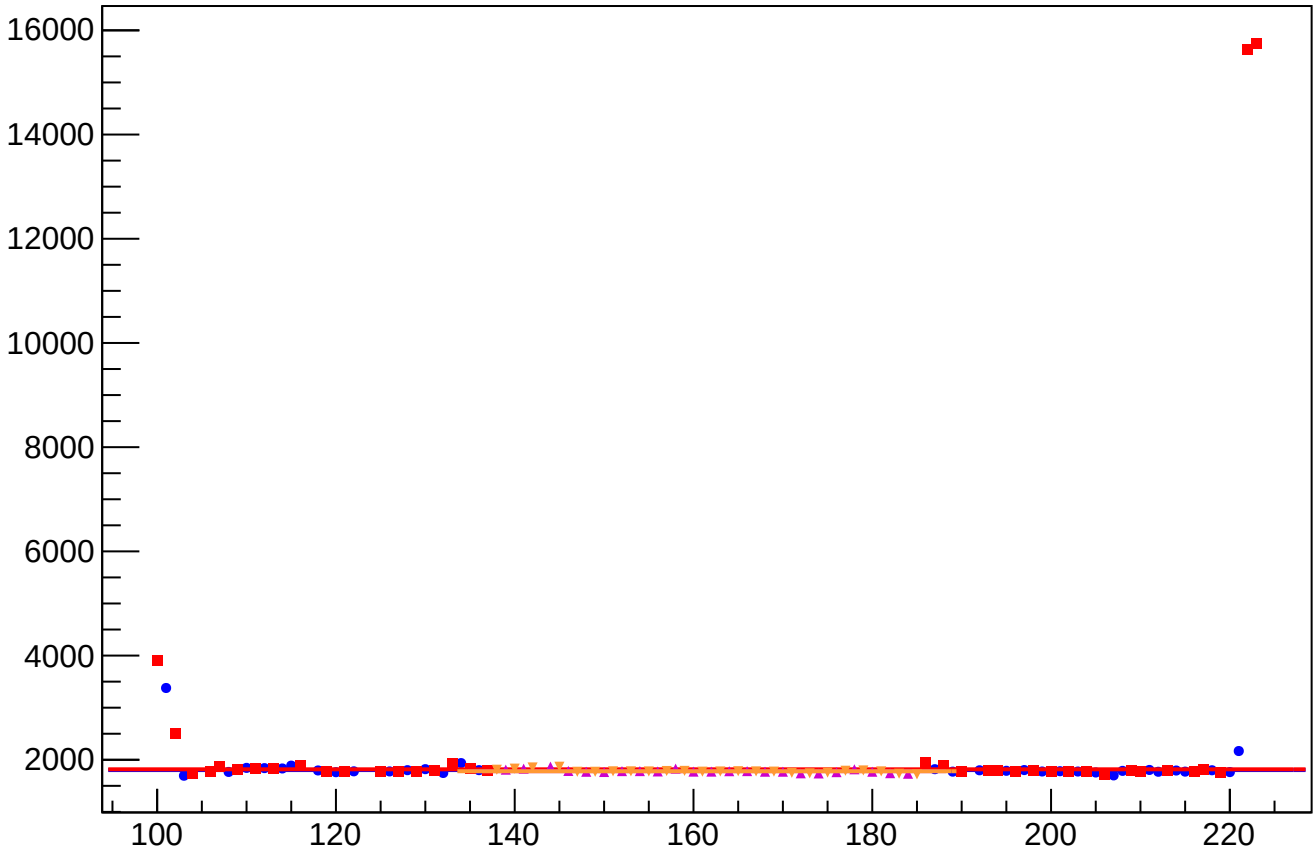
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -254.920+/-277.546 χ^2/NDF: 46.4/70

In: -543.424+/-284.626 χ^2/NDF:43.2/56

Out: -359.385+/-285.516 χ^2/NDF:58.6/60

All: -451.692+/-201.575 χ^2/NDF: 102.0/117



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

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

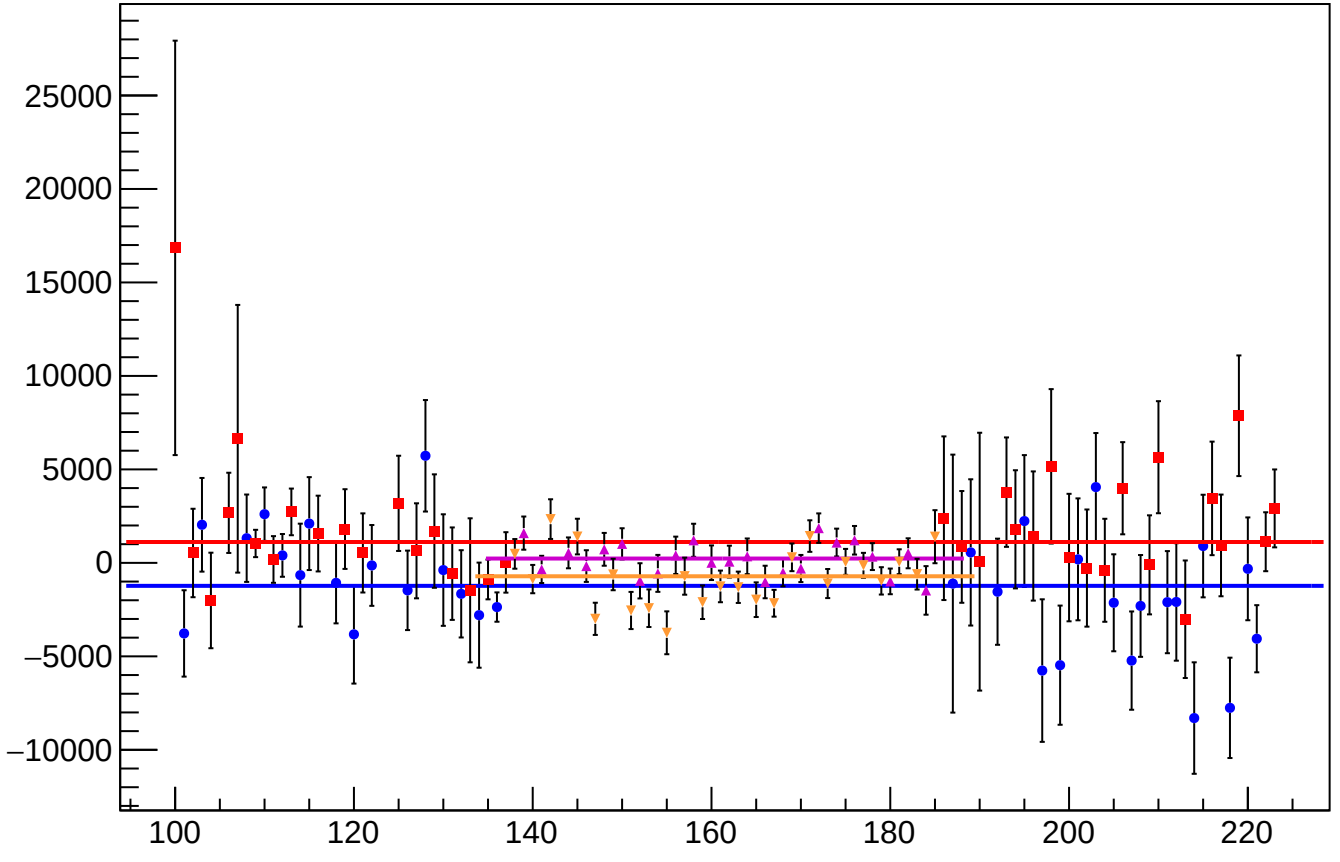
Right: 1809.908+/-0.196 χ^2/NDF: 2635977.7/70

In: 1793.231+/-0.201 χ^2/NDF:348936.5/56

Out: 1799.523+/-0.202 χ^2/NDF:2318266.1/60

All: 1796.368+/-0.143 χ^2/NDF: 2667689.7/11

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



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

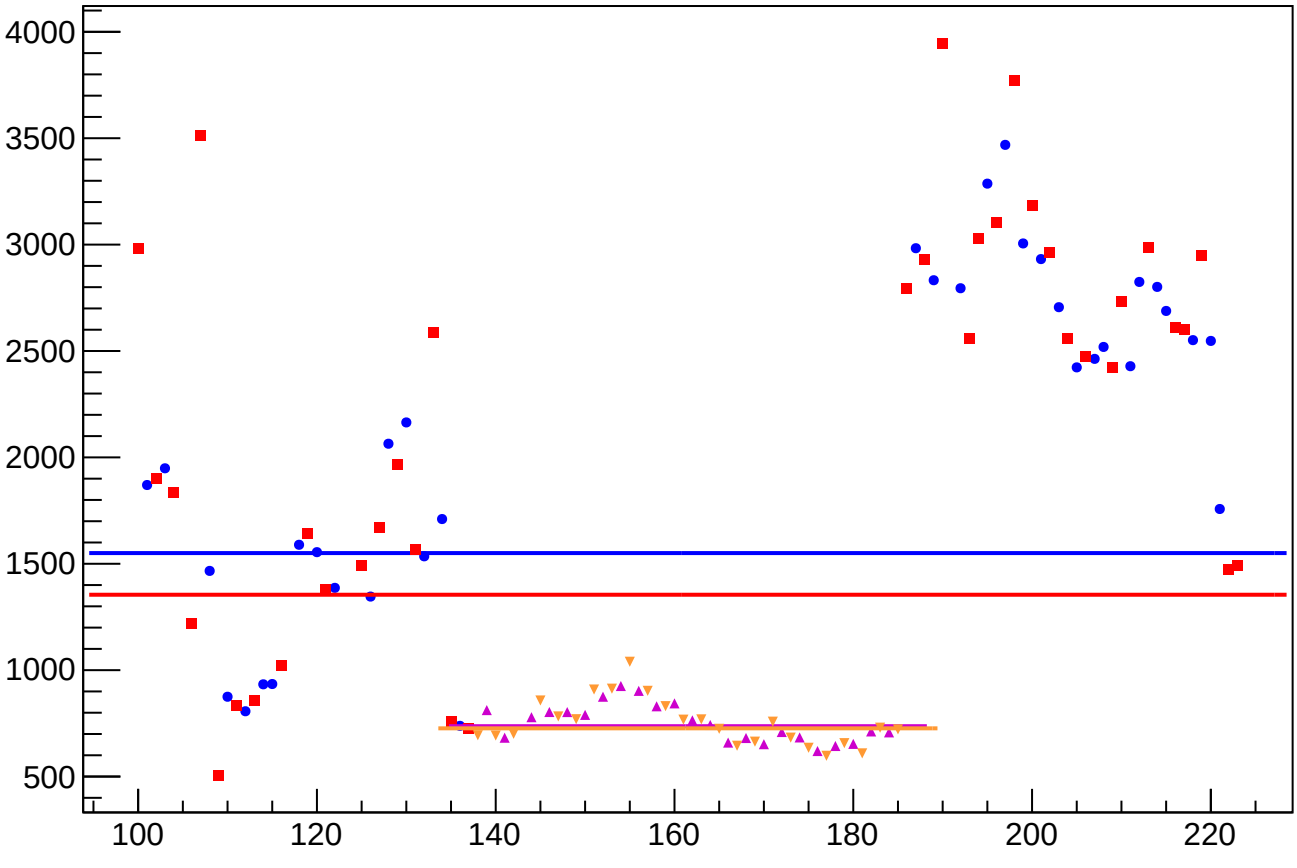
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

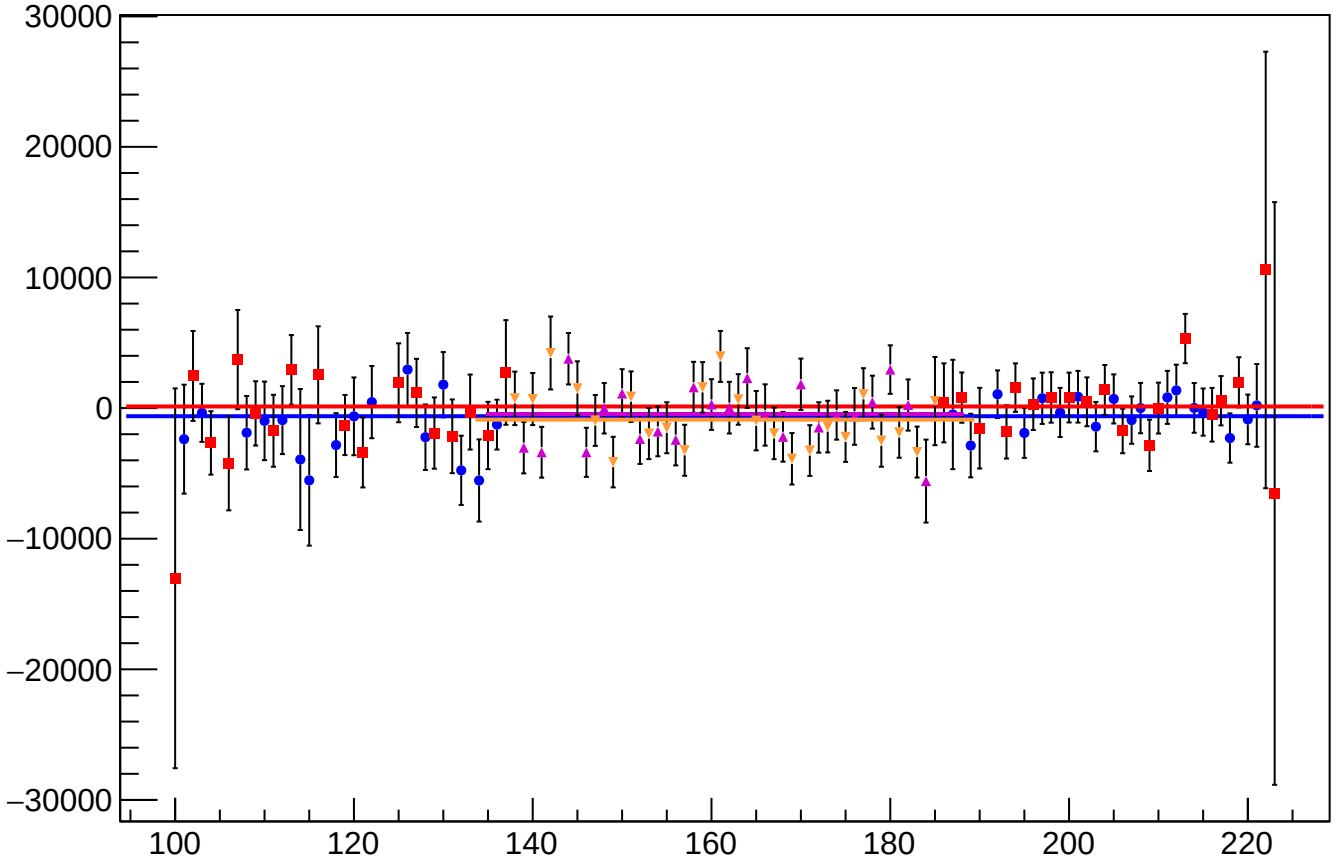
Right: 54.745+/-250.892 χ^2/NDF: 98.1/70

In: -28.359+/-157.259 χ^2/NDF:86.5/56

Out: -346.416+/-152.404 χ^2/NDF:109.3/60

All: -192.374+/-109.442 χ^2/NDF: 197.9/117


asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1550.273+/-0.264 χ²/NDF: 9221420.7/33
Left Out: 726.604+/-0.121 χ²/NDF:684784.1/23
Right Out: 1354.479+/-0.240 χ²/NDF: 12748941.7/36
Left In: 736.709+/-0.123 χ²/NDF:465041.6/22
Left: 731.574+/-0.086 χ²/NDF: 1153276.2/46
Right: 1443.107+/-0.177 χ²/NDF: 22272139.3/70
In: 881.394+/-0.111 χ²/NDF:17512950.5/56
Out: 853.413+/-0.108 χ²/NDF:18904930.2/60
All: 866.965+/-0.077 χ²/NDF: 36450530.5/1



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

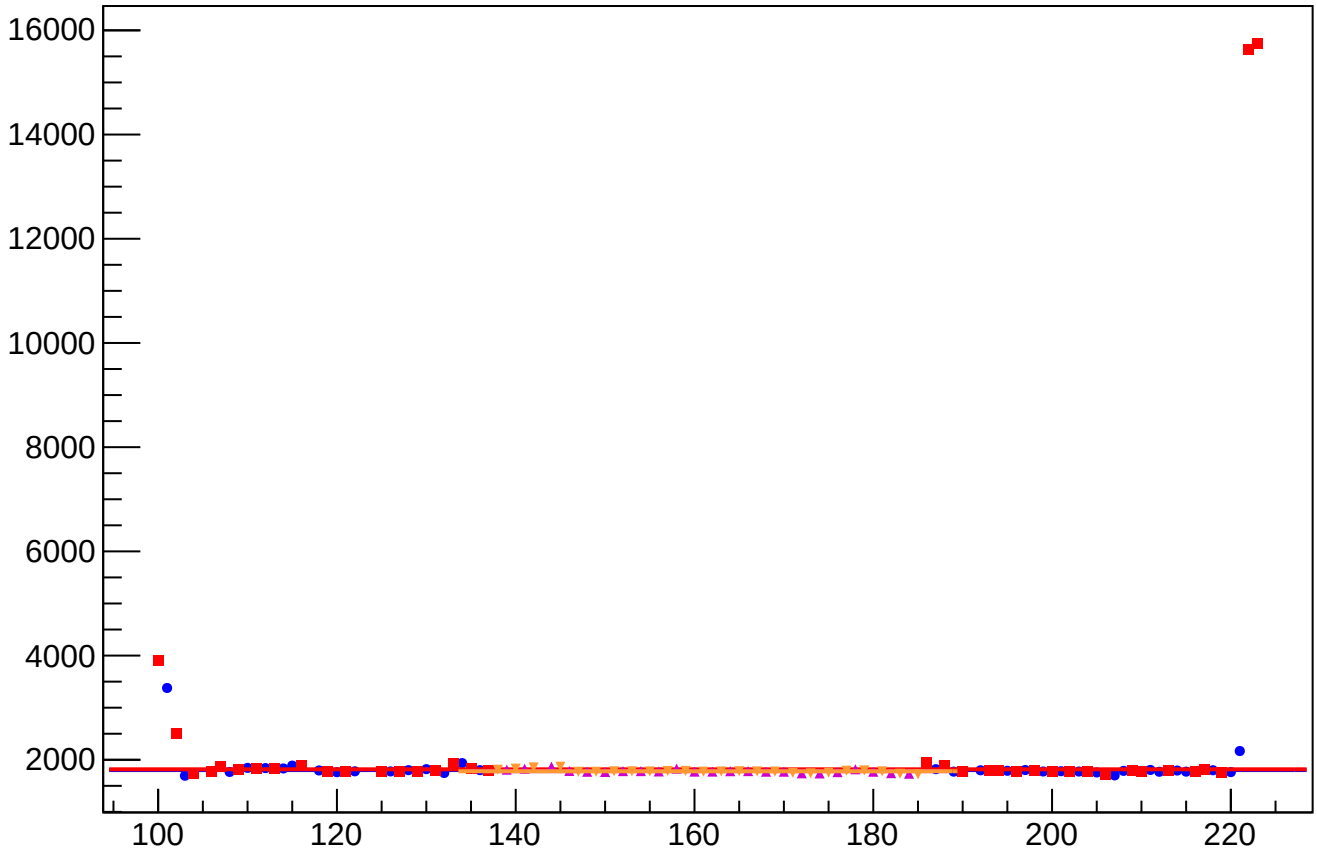
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -254.921+/-277.546 χ^2/NDF: 46.4/70

In: -543.422+/-284.626 χ^2/NDF:43.2/56

Out: -359.386+/-285.516 χ^2/NDF:58.6/60

All: -451.692+/-201.575 χ^2/NDF: 102.0/117



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

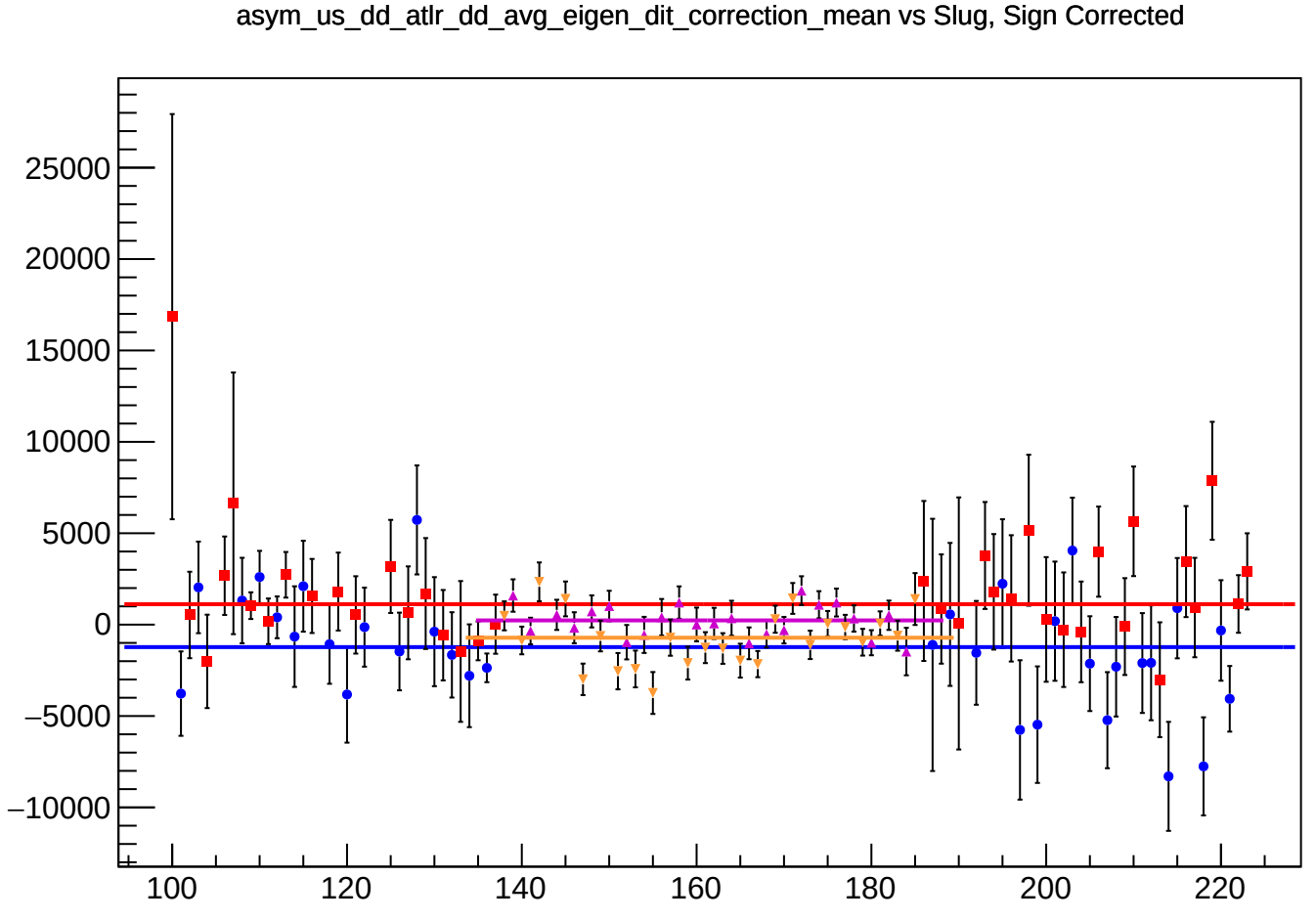
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1809.908+/-0.196 χ^2/NDF: 2635977.7/70

In: 1793.231+/-0.201 χ^2/NDF:348936.5/56

Out: 1799.523+/-0.202 χ^2/NDF:2318266.3/60

All: 1796.367+/-0.143 χ^2/NDF: 2667689.9/11



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

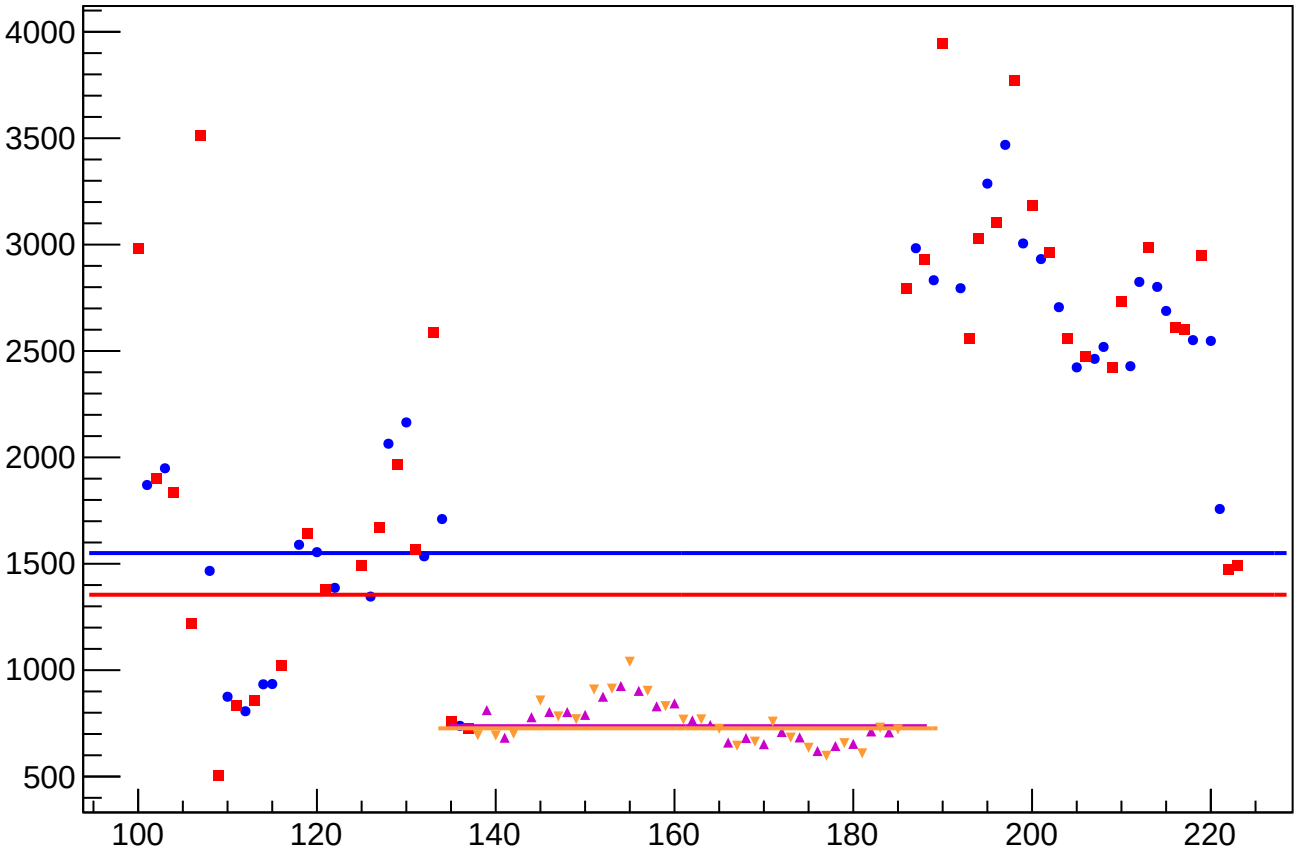
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

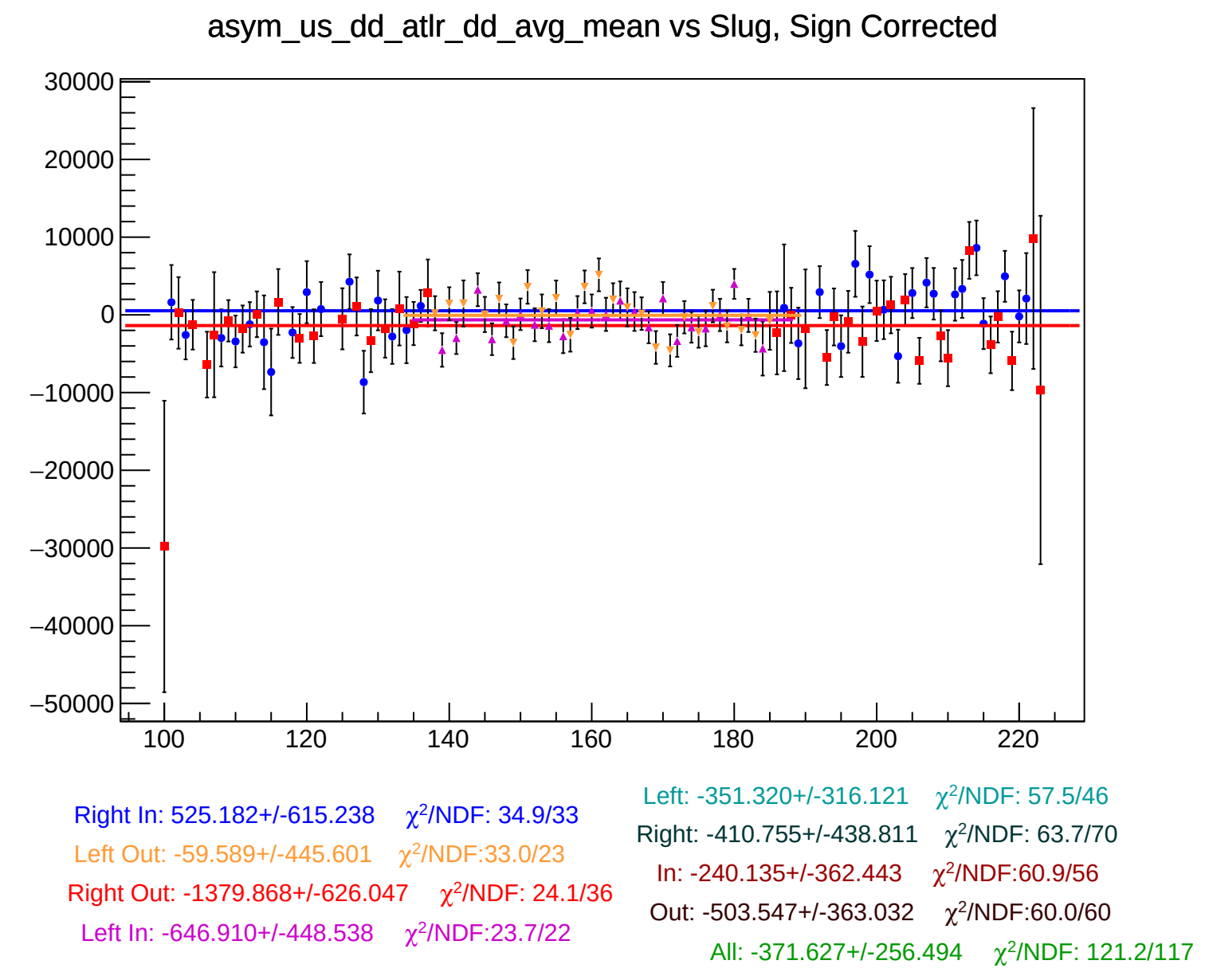
Right: 54.751+/-250.892 χ^2/NDF: 98.1/70

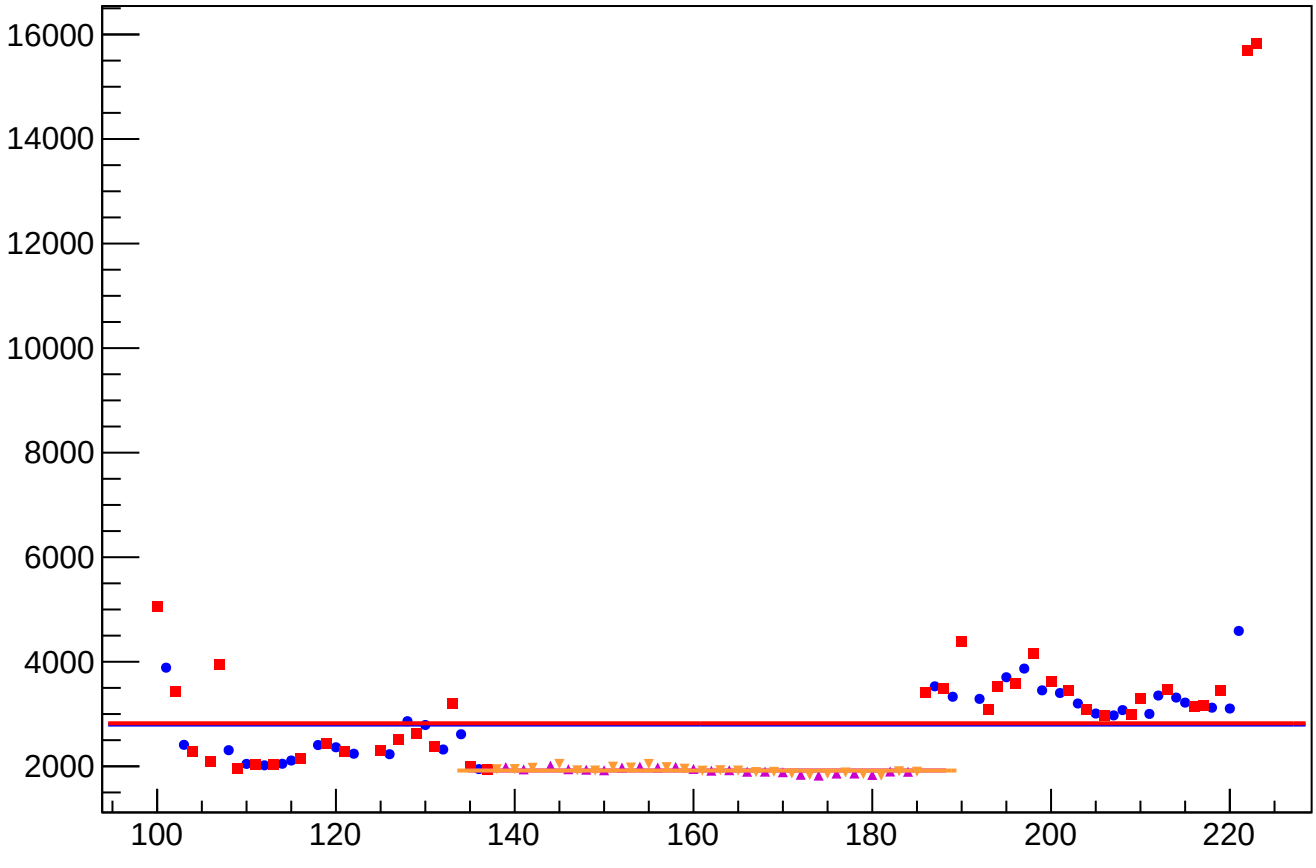
In: -28.359+/-157.259 χ^2/NDF:86.5/56

Out: -346.417+/-152.404 χ^2/NDF:109.3/60

All: -192.373+/-109.442 χ^2/NDF: 197.9/117


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1550.276+/-0.264 χ²/NDF: 9221356.2/33
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1354.482+/-0.240 χ²/NDF: 12748897.5/36
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
Left: 731.574+/-0.086 χ²/NDF: 1153283.6/46
Right: 1443.110+/-0.177 χ²/NDF: 22272030.2/70
In: 881.393+/-0.111 χ²/NDF:17512952.4/56
Out: 853.414+/-0.108 χ²/NDF:18904912.8/60
All: 866.965+/-0.077 χ²/NDF: 36450513.0/1


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 525.182+/-615.238 χ²/NDF: 34.9/33
Left Out: -59.589+/-445.601 χ²/NDF:33.0/23
Right Out: -1379.868+/-626.047 χ²/NDF: 24.1/36
Left In: -646.910+/-448.538 χ²/NDF:23.7/22
Left: -351.320+/-316.121 χ²/NDF: 57.5/46
Right: -410.755+/-438.811 χ²/NDF: 63.7/70
In: -240.135+/-362.443 χ²/NDF:60.9/56
Out: -503.547+/-363.032 χ²/NDF:60.0/60
All: -371.627+/-256.494 χ²/NDF: 121.2/117



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

Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

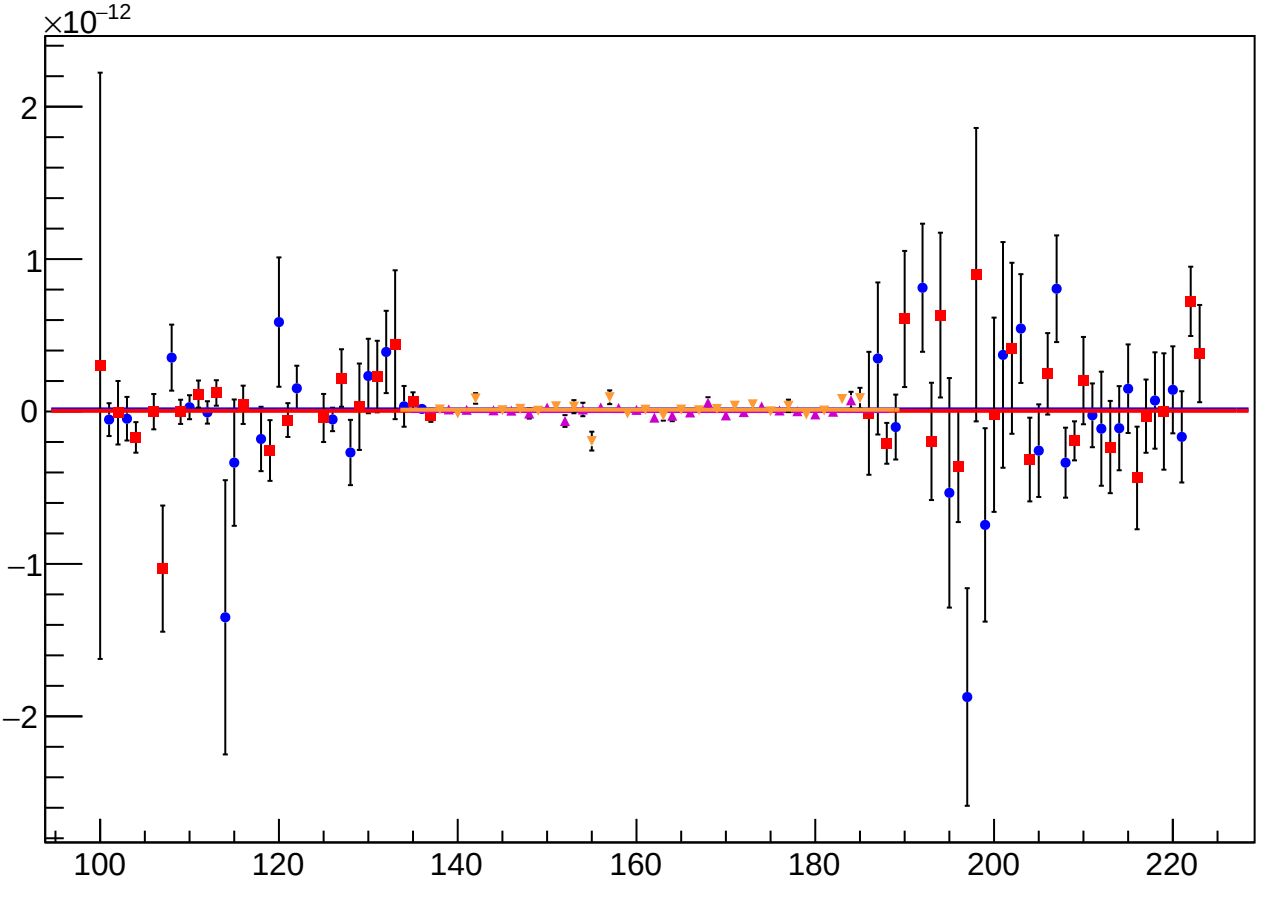
Right: 2810.581+/-0.310 χ^2/NDF: 5770464.7/70

In: 2224.939+/-0.256 χ^2/NDF:4548799.0/56

Out: 2223.081+/-0.257 χ^2/NDF:6715519.3/60

All: 2224.012+/-0.181 χ^2/NDF: 11264344.6/1

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

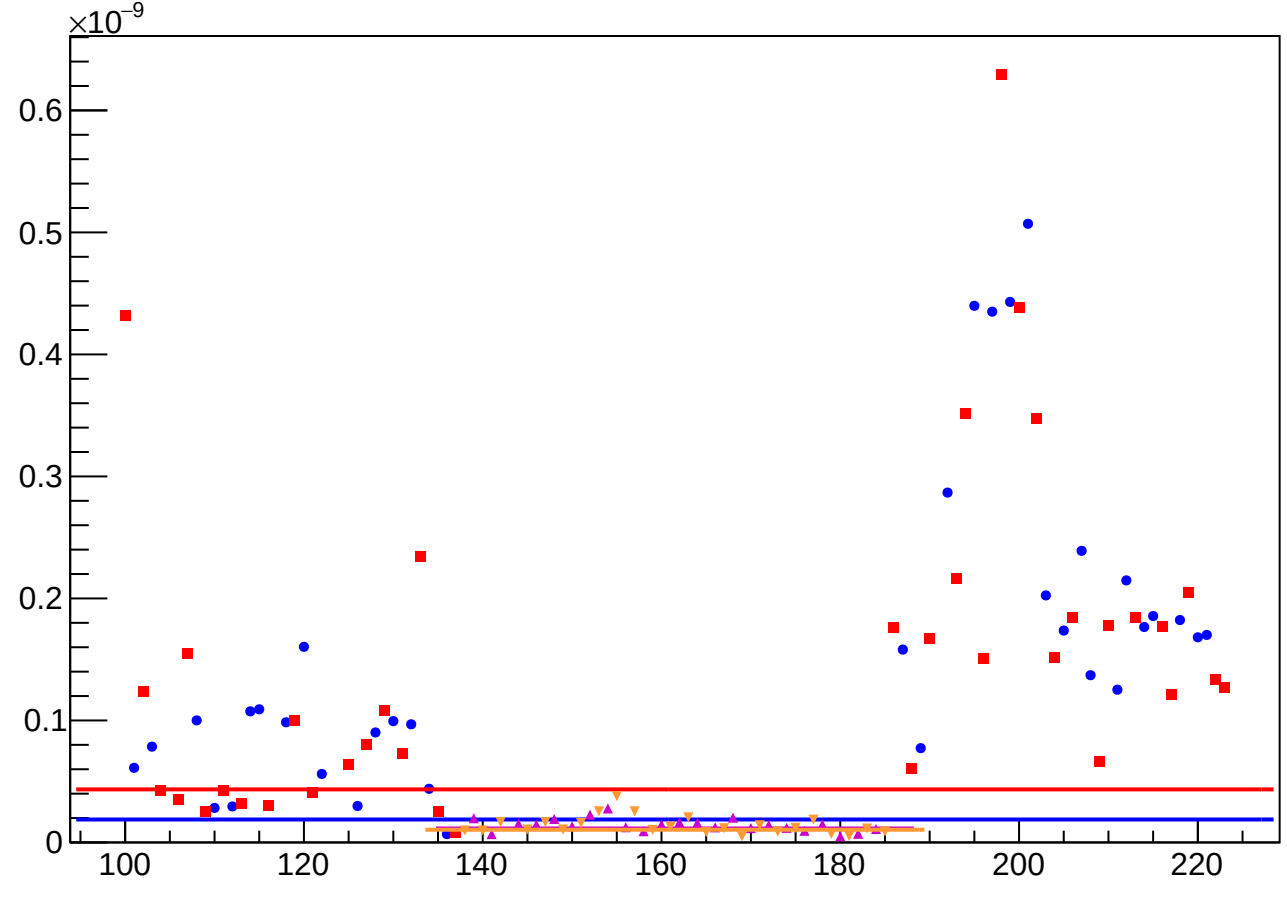
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 86.9/70

In: 0.000+/-0.000 χ^2/NDF:60.2/56

Out: 0.000+/-0.000 χ^2/NDF:84.9/60

All: 0.000+/-0.000 χ^2/NDF: 146.3/117



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

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

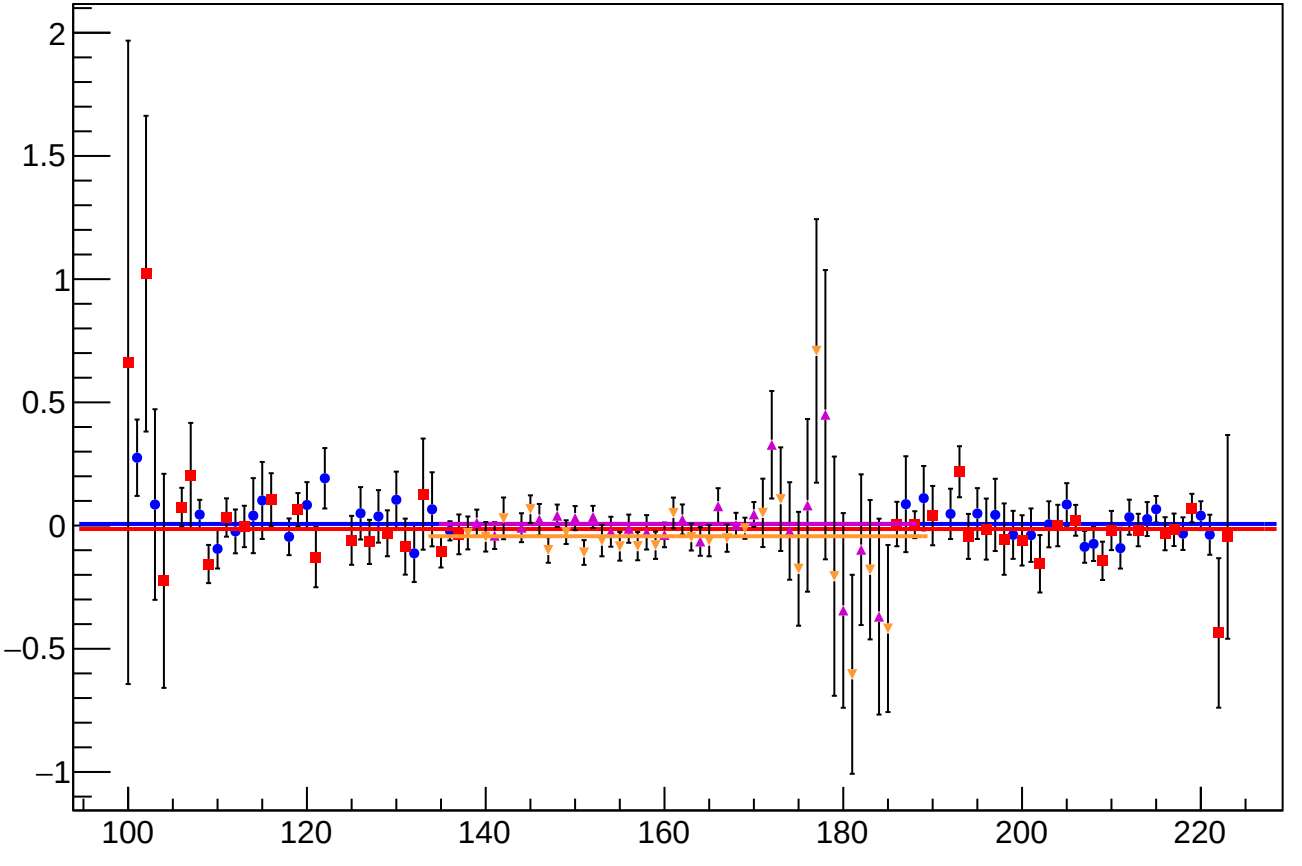
Right: 0.000+/-0.000 χ^2/NDF: 25783451.2/70

In: 0.000+/-0.000 χ^2/NDF:16631268.6/56

Out: 0.000+/-0.000 χ^2/NDF:16031784.7/60

All: 0.000+/-0.000 χ^2/NDF: 32675305.7/117

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

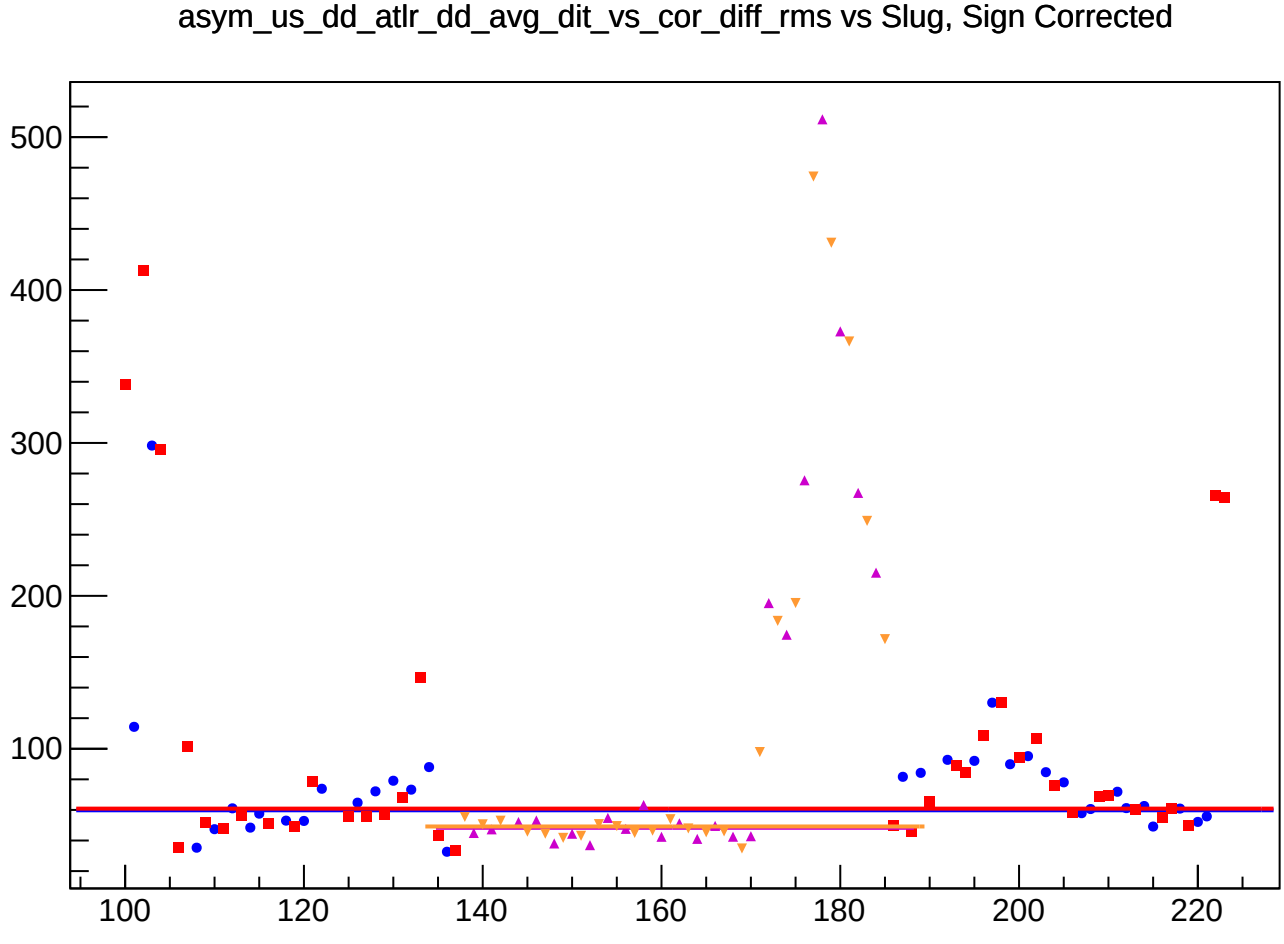
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.003+/-0.010 χ^2/NDF: 53.1/70

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:51.6/60

All: -0.011+/-0.007 χ^2/NDF: 90.9/117



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

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

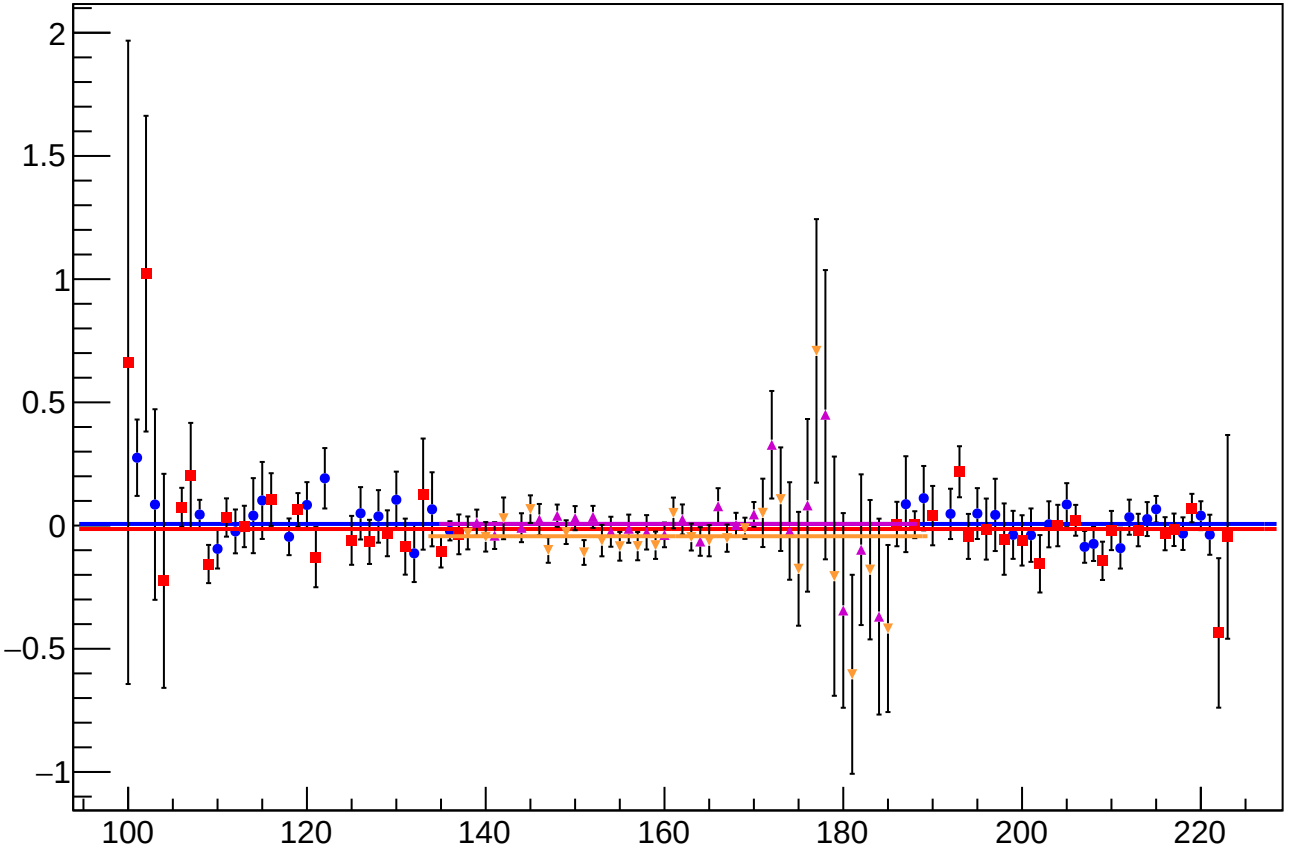
Right: 60.296+/-0.007 χ^2/NDF: 10183804.5/70

In: 53.703+/-0.007 χ^2/NDF:12094280.3/56

Out: 54.685+/-0.007 χ^2/NDF:13715688.3/60

All: 54.180+/-0.005 χ^2/NDF: 25819653.7/117

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

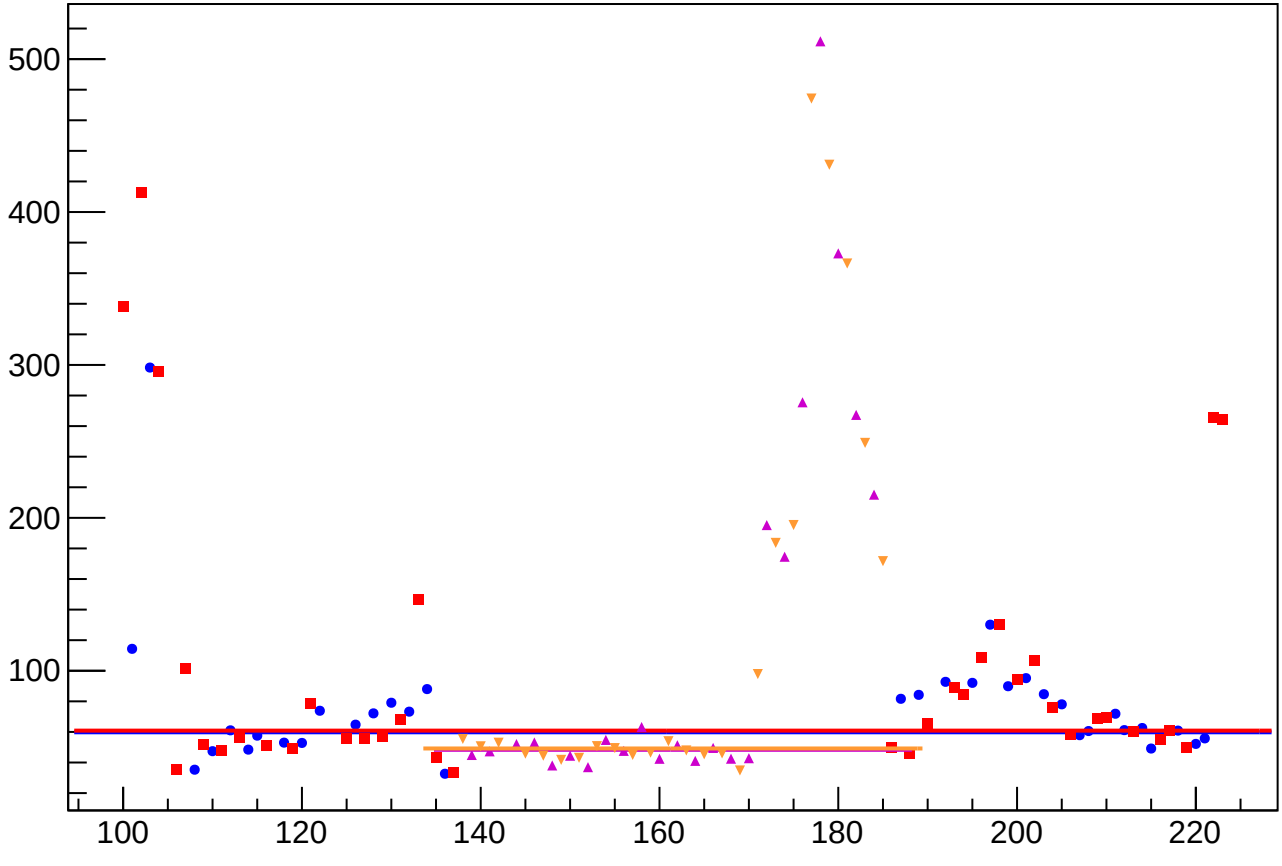
Right: -0.003+/-0.010 χ^2/NDF: 53.1/70

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:51.6/60

All: -0.011+/-0.007 χ^2/NDF: 90.9/117

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

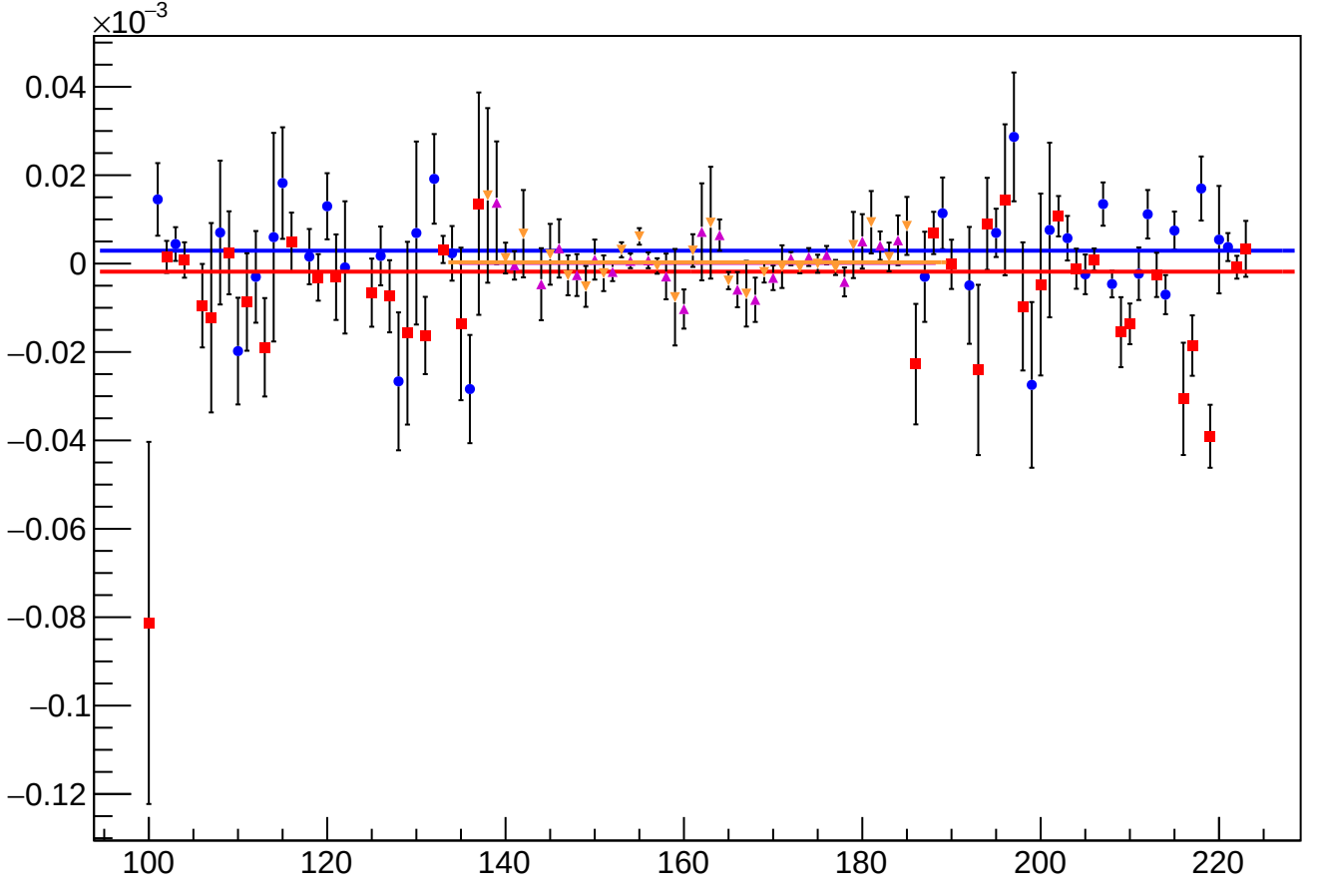
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.296+/-0.007 χ^2/NDF: 10183804.5/70

In: 53.703+/-0.007 χ^2/NDF:12094280.3/56

Out: 54.685+/-0.007 χ^2/NDF:13715688.3/60

All: 54.180+/-0.005 χ^2/NDF: 25819653.7/117



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

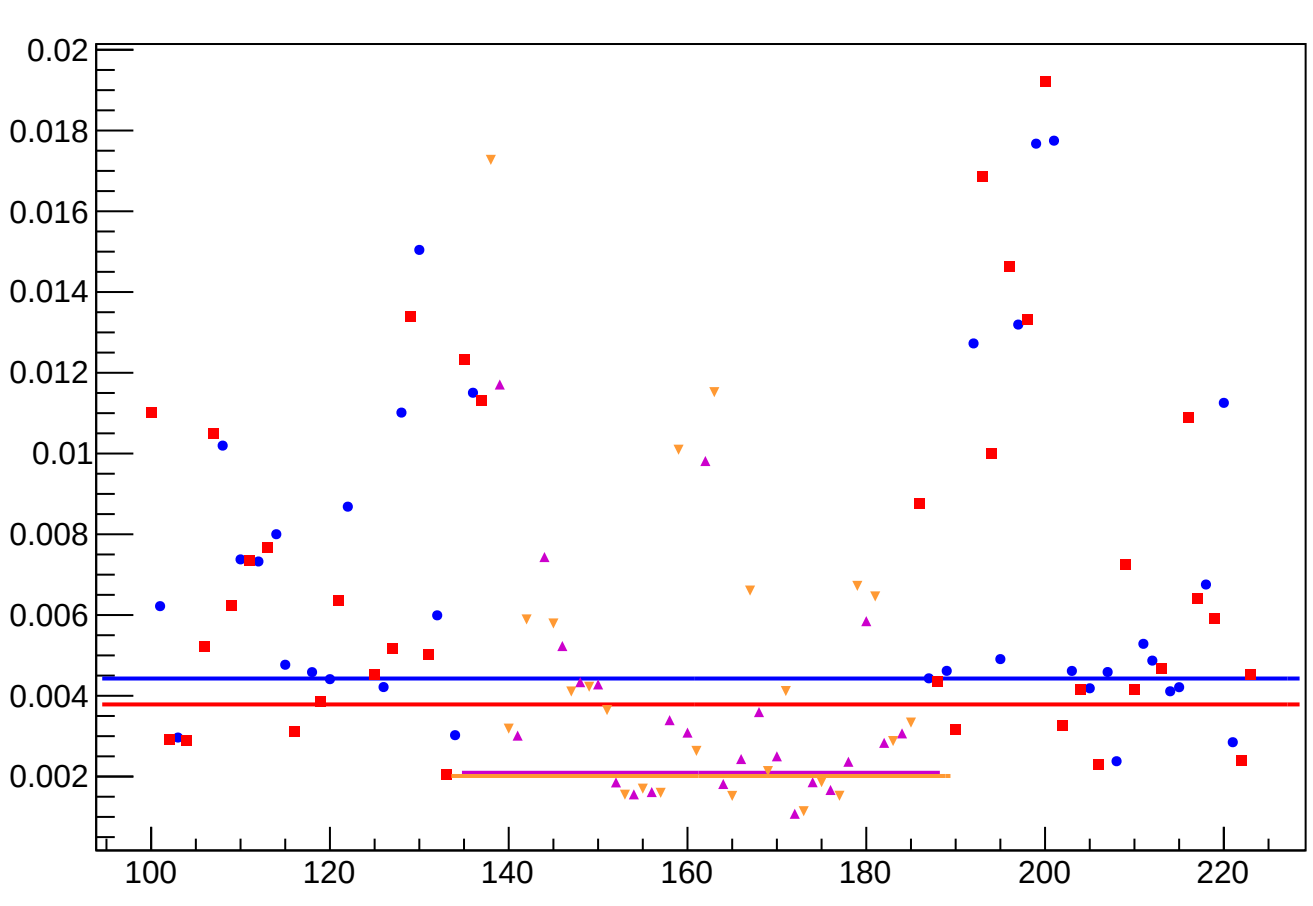
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 151.4/70

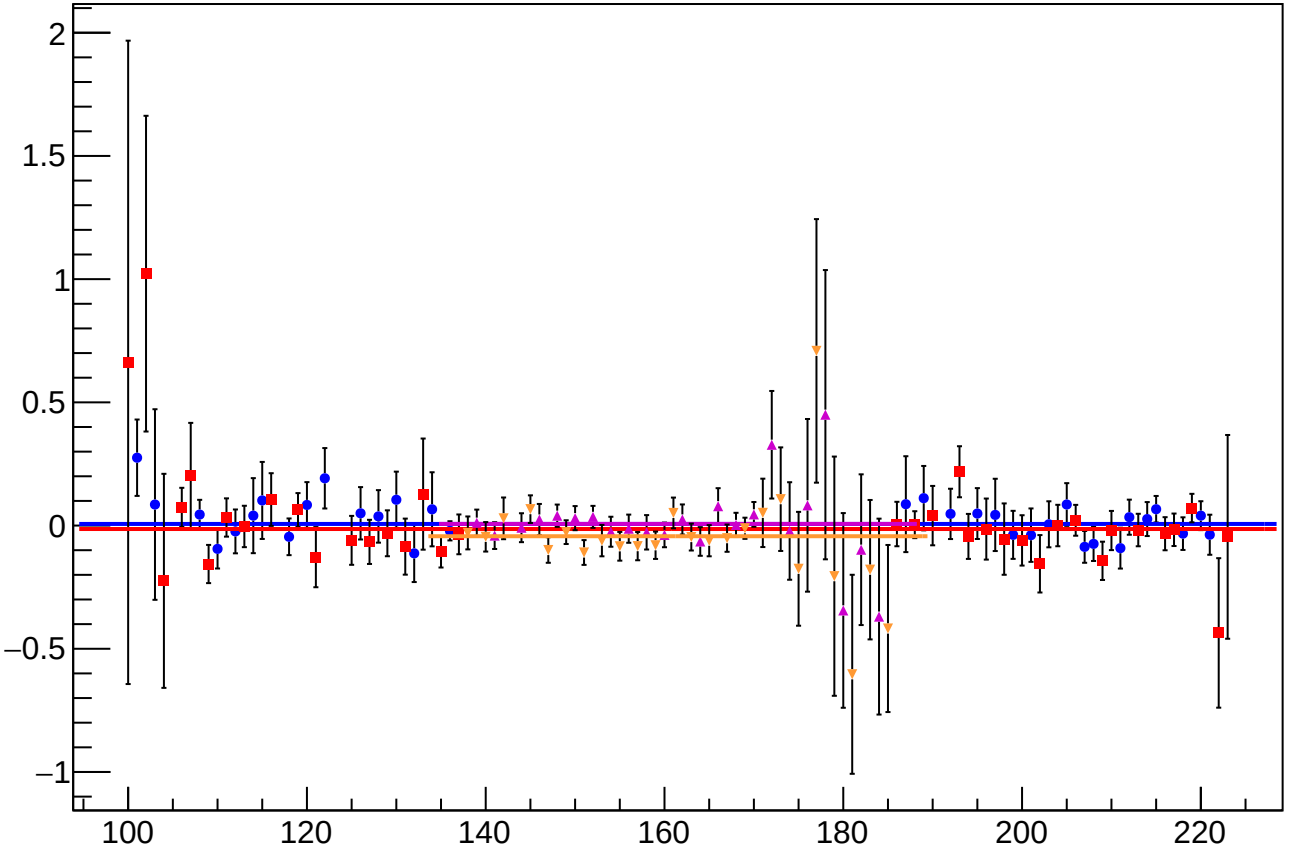
In: 0.000+/-0.000 χ^2/NDF:86.3/56

Out: -0.000+/-0.000 χ^2/NDF:117.1/60

All: 0.000+/-0.000 χ^2/NDF: 205.5/117


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.004+/-0.000 χ²/NDF: 8604761.1/33
Left Out: 0.002+/-0.000 χ²/NDF:10262318.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 10786302.8/36
Left In: 0.002+/-0.000 χ²/NDF:7141979.6/22
Left: 0.002+/-0.000 χ²/NDF: 17422562.9/46
Right: 0.004+/-0.000 χ²/NDF: 19782396.8/70
In: 0.003+/-0.000 χ²/NDF:22726936.3/56
Out: 0.002+/-0.000 χ²/NDF:26140290.9/60
All: 0.003+/-0.000 χ²/NDF: 48979998.5/117

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

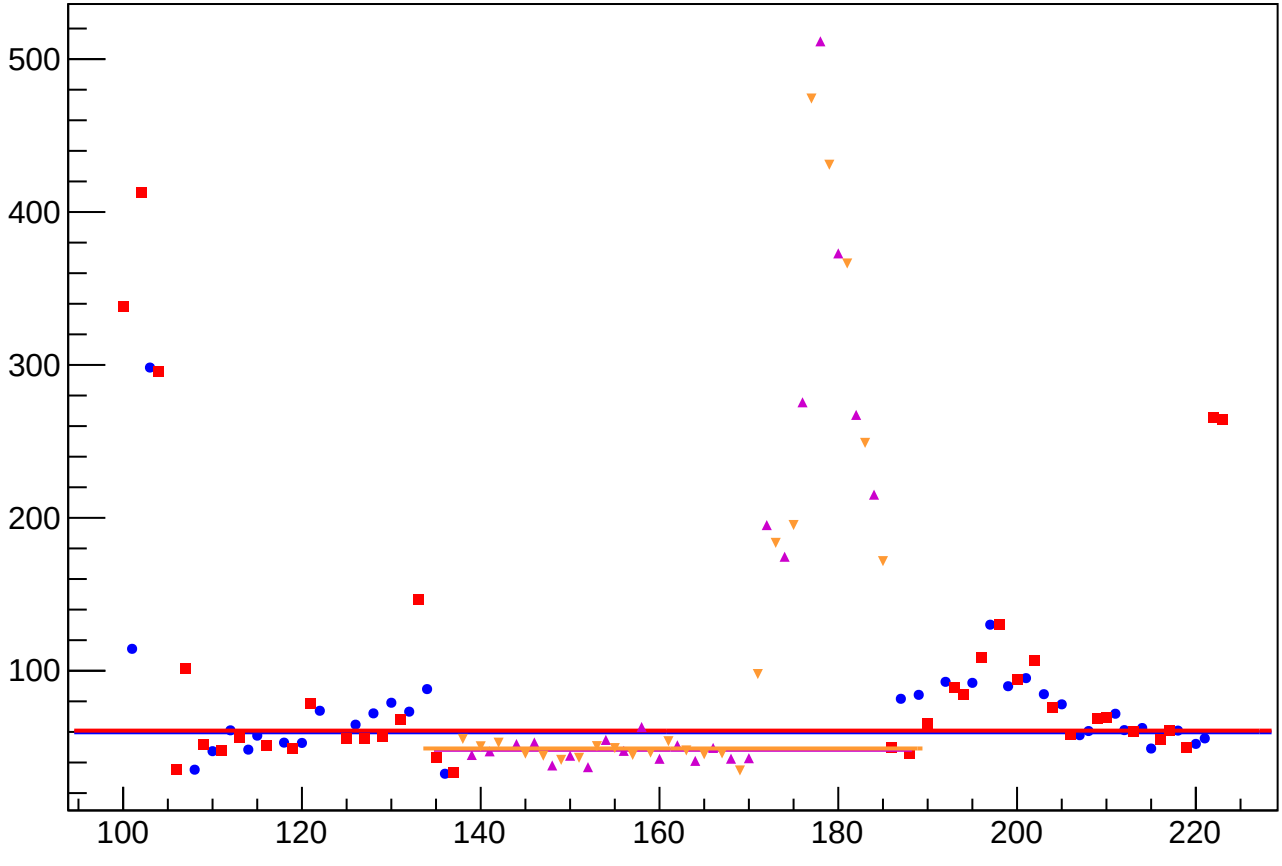
Right: -0.003+/-0.010 χ^2/NDF: 53.1/70

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:51.6/60

All: -0.011+/-0.007 χ^2/NDF: 90.9/117

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

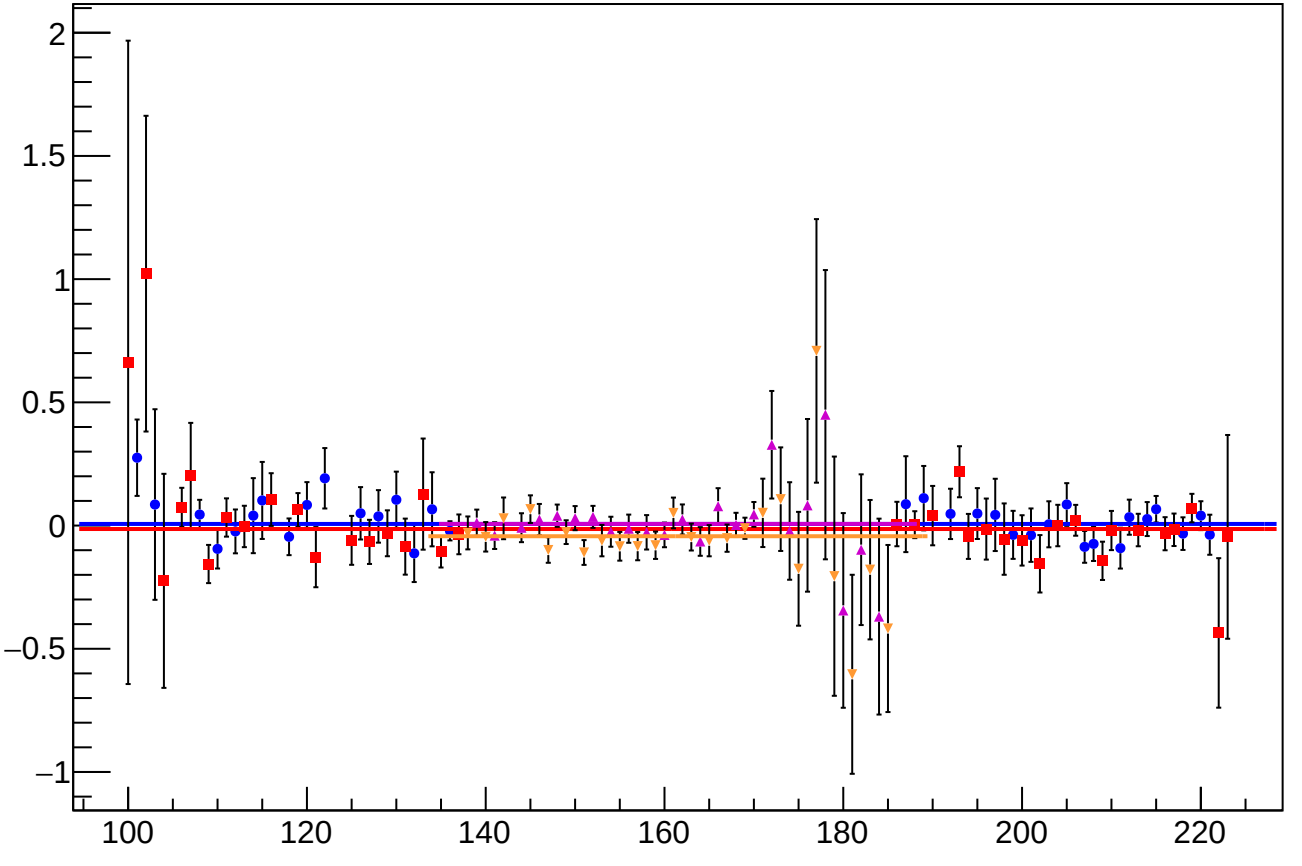
Right: 60.296+/-0.007 χ^2/NDF: 10183475.4/70

In: 53.703+/-0.007 χ^2/NDF:12094021.8/56

Out: 54.685+/-0.007 χ^2/NDF:13715651.7/60

All: 54.181+/-0.005 χ^2/NDF: 25819355.0/117

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

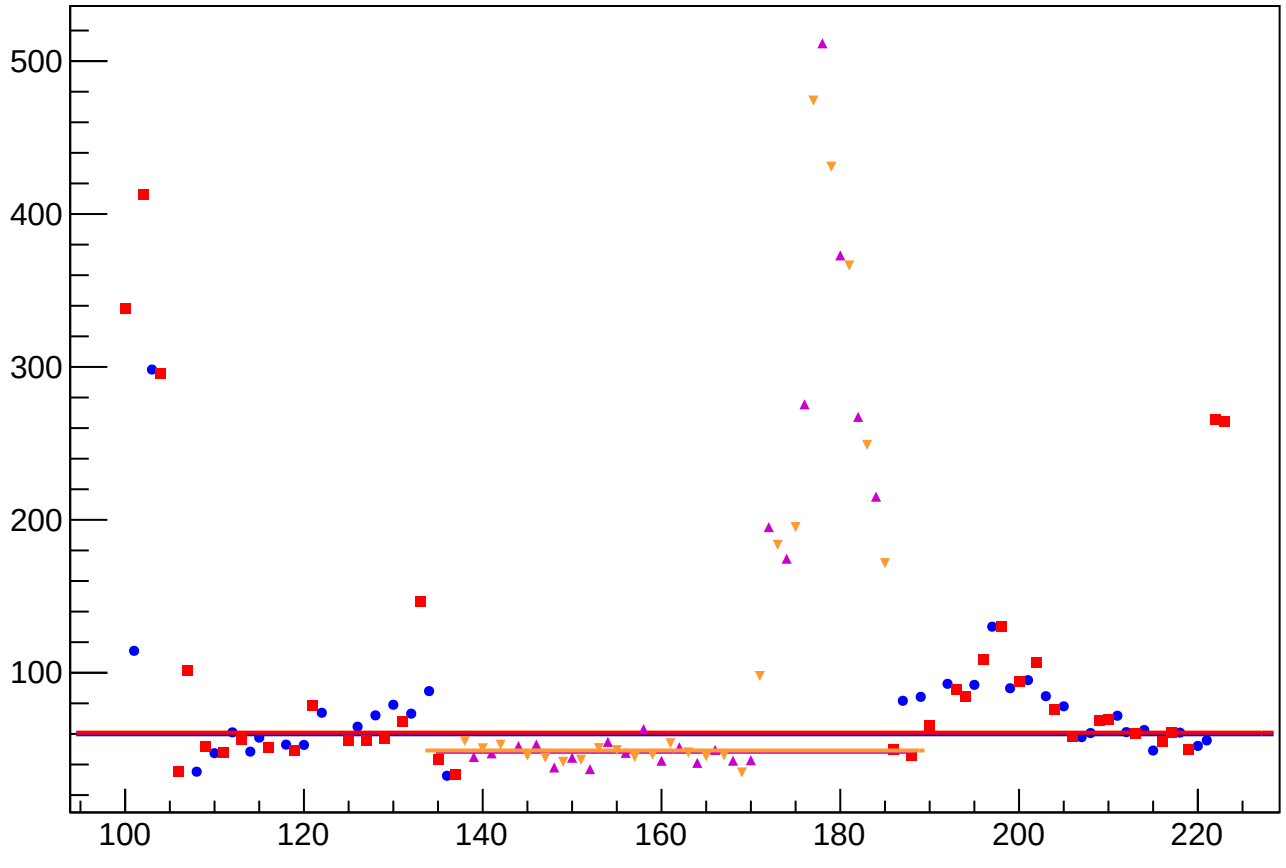
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.003+/-0.010 χ^2/NDF: 53.1/70

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:51.6/60

All: -0.011+/-0.007 χ^2/NDF: 90.9/117



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

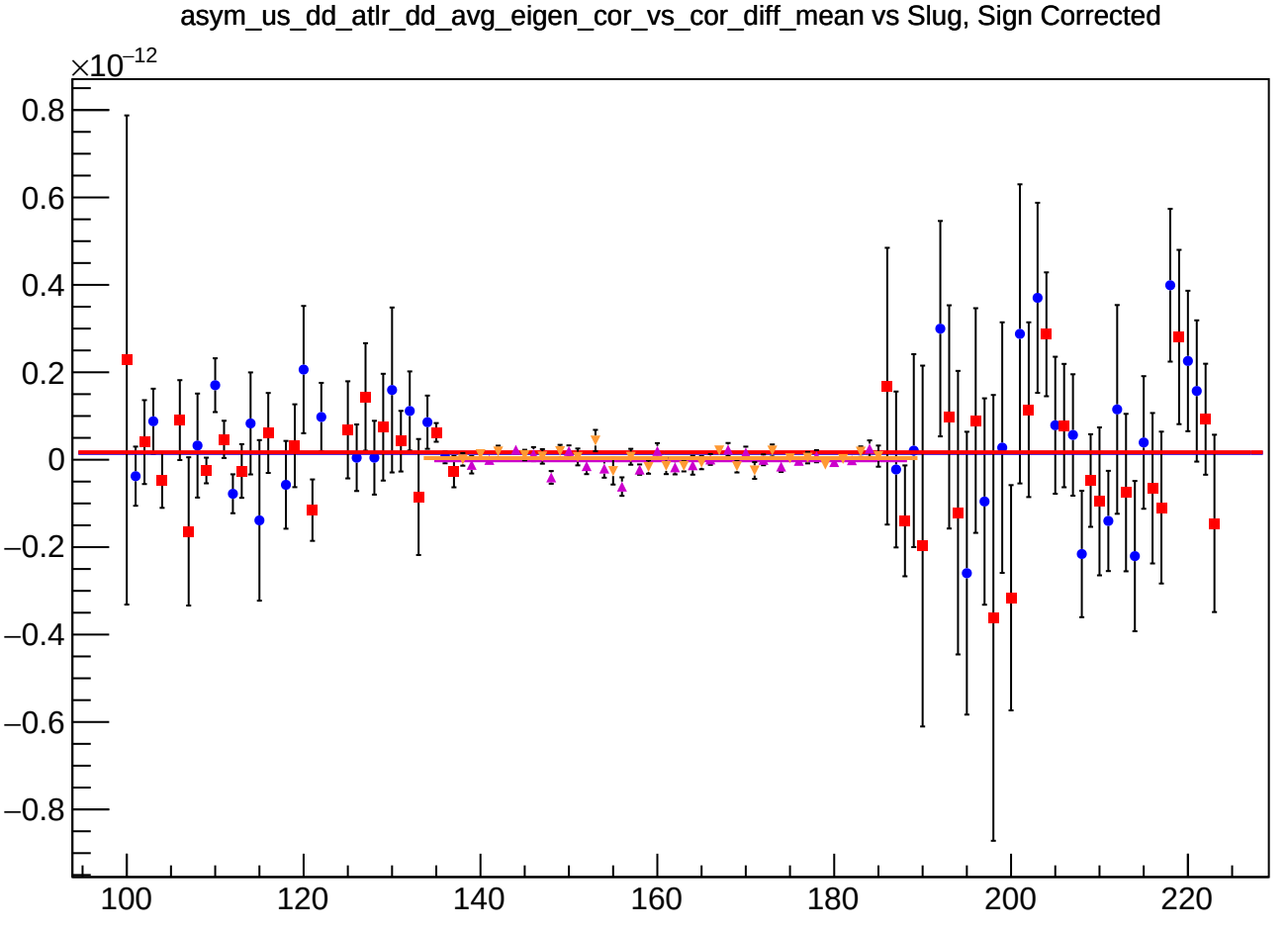
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 60.296+/-0.007 χ^2/NDF: 10183475.4/70

In: 53.703+/-0.007 χ^2/NDF:12094021.8/56

Out: 54.685+/-0.007 χ^2/NDF:13715651.7/60

All: 54.181+/-0.005 χ^2/NDF: 25819355.0/117



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

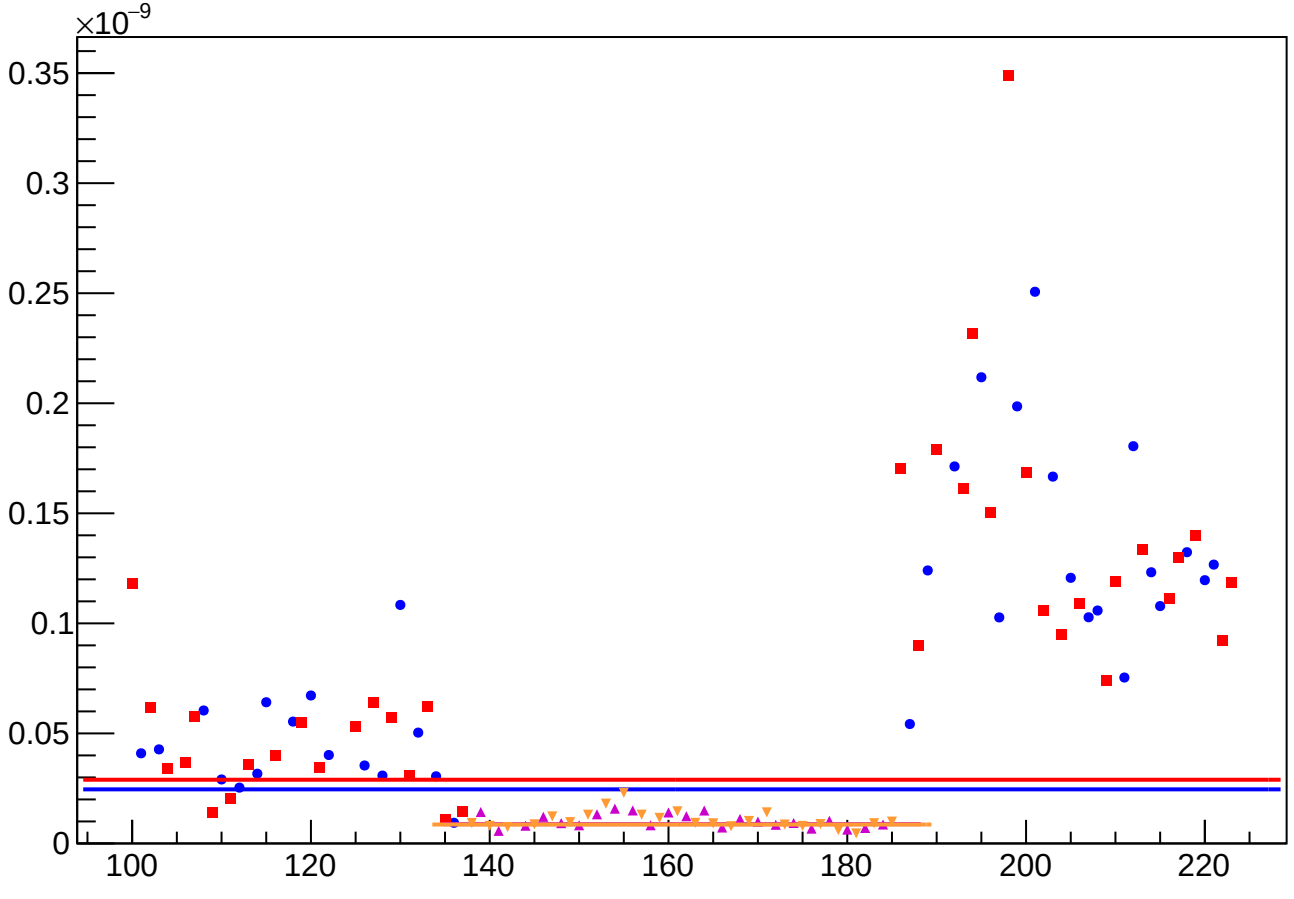
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 71.3/70

In: -0.000+/-0.000 χ^2/NDF:82.3/56

Out: 0.000+/-0.000 χ^2/NDF:57.0/60

All: 0.000+/-0.000 χ^2/NDF: 140.8/117



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

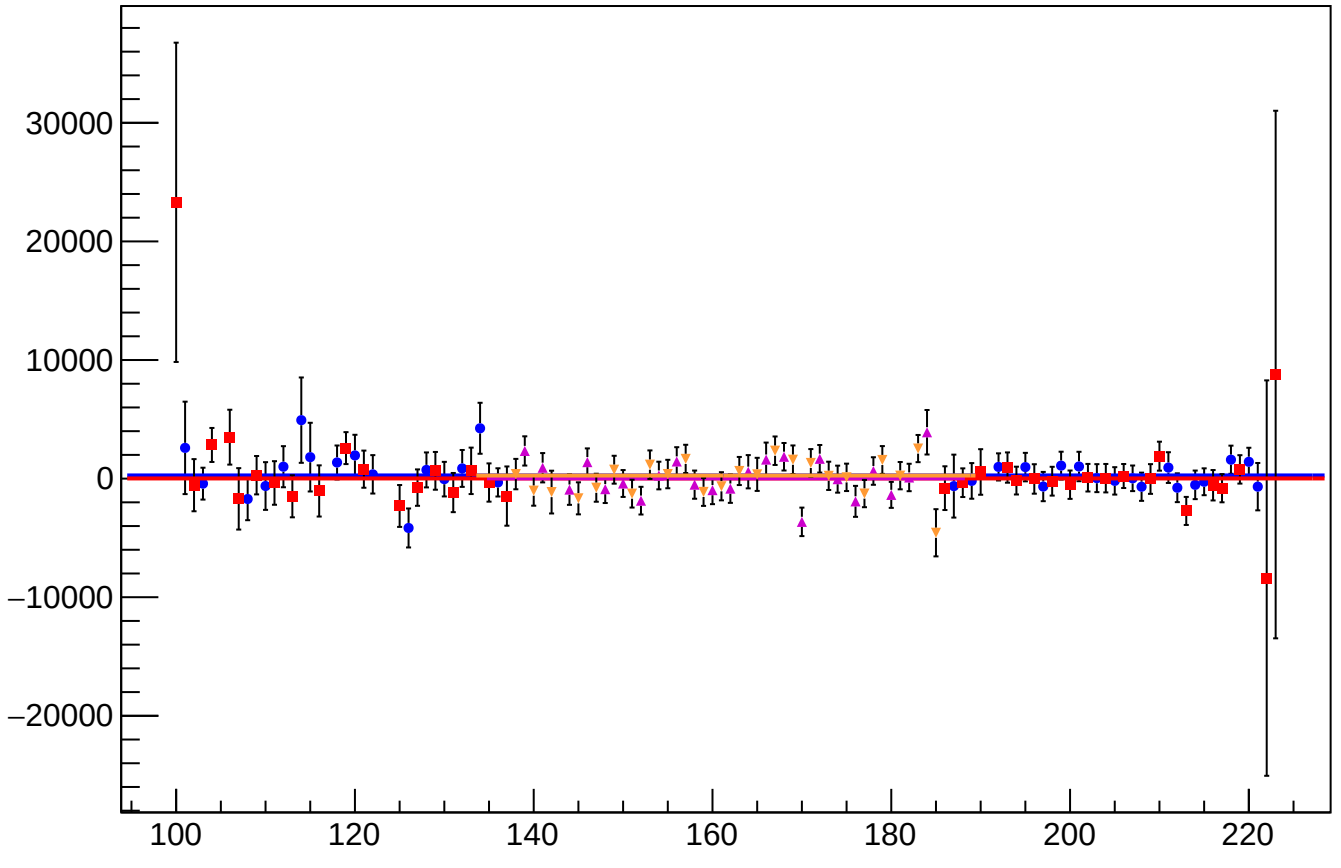
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 28827576.9/70

In: 0.000+/-0.000 χ^2/NDF:21300387.2/56

Out: 0.000+/-0.000 χ^2/NDF:21271599.2/60

All: 0.000+/-0.000 χ^2/NDF: 42573782.6/117



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

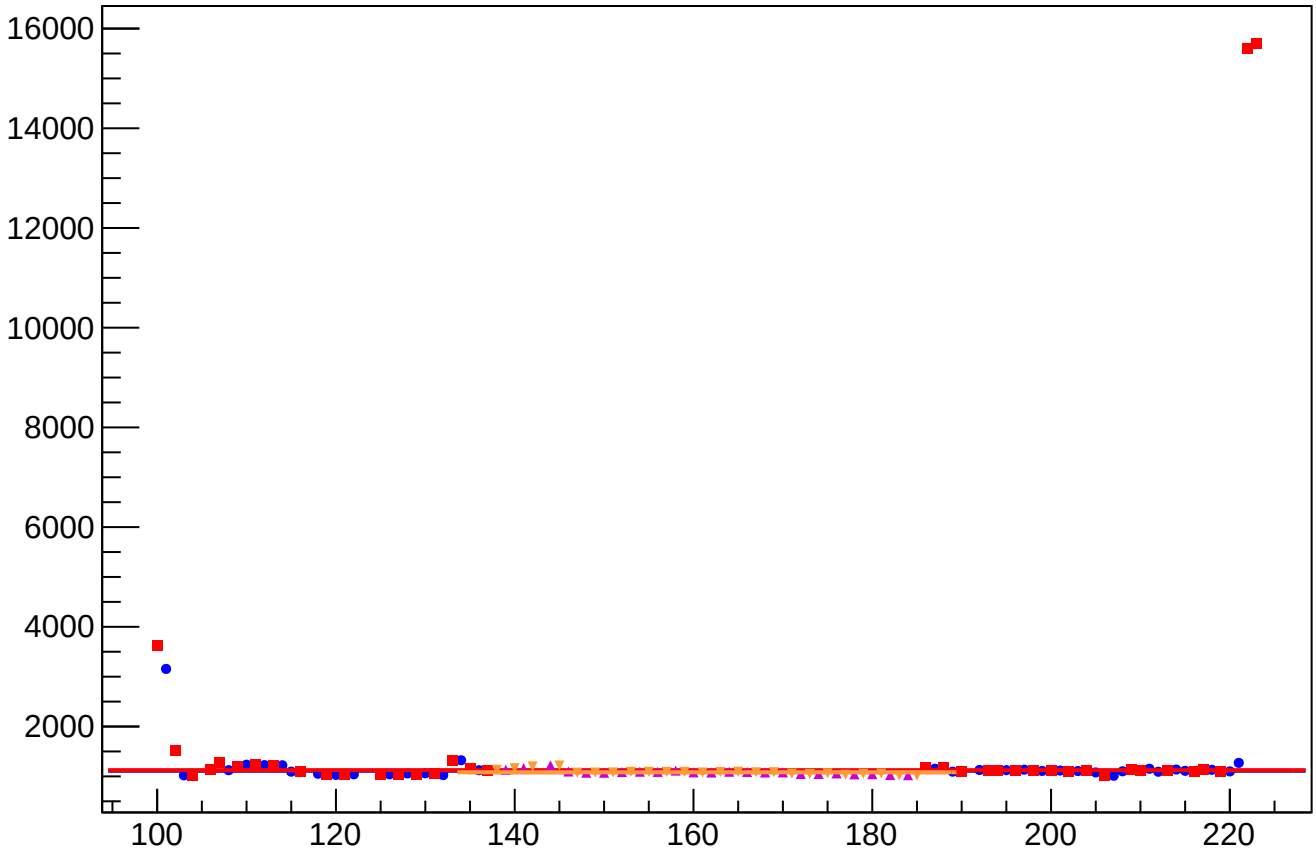
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 142.412+/-172.395 χ^2/NDF: 52.9/70

In: 150.575+/-175.019 χ^2/NDF:60.6/56

Out: 134.197+/-175.668 χ^2/NDF:56.8/60

All: 142.416+/-123.986 χ^2/NDF: 117.4/117



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

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

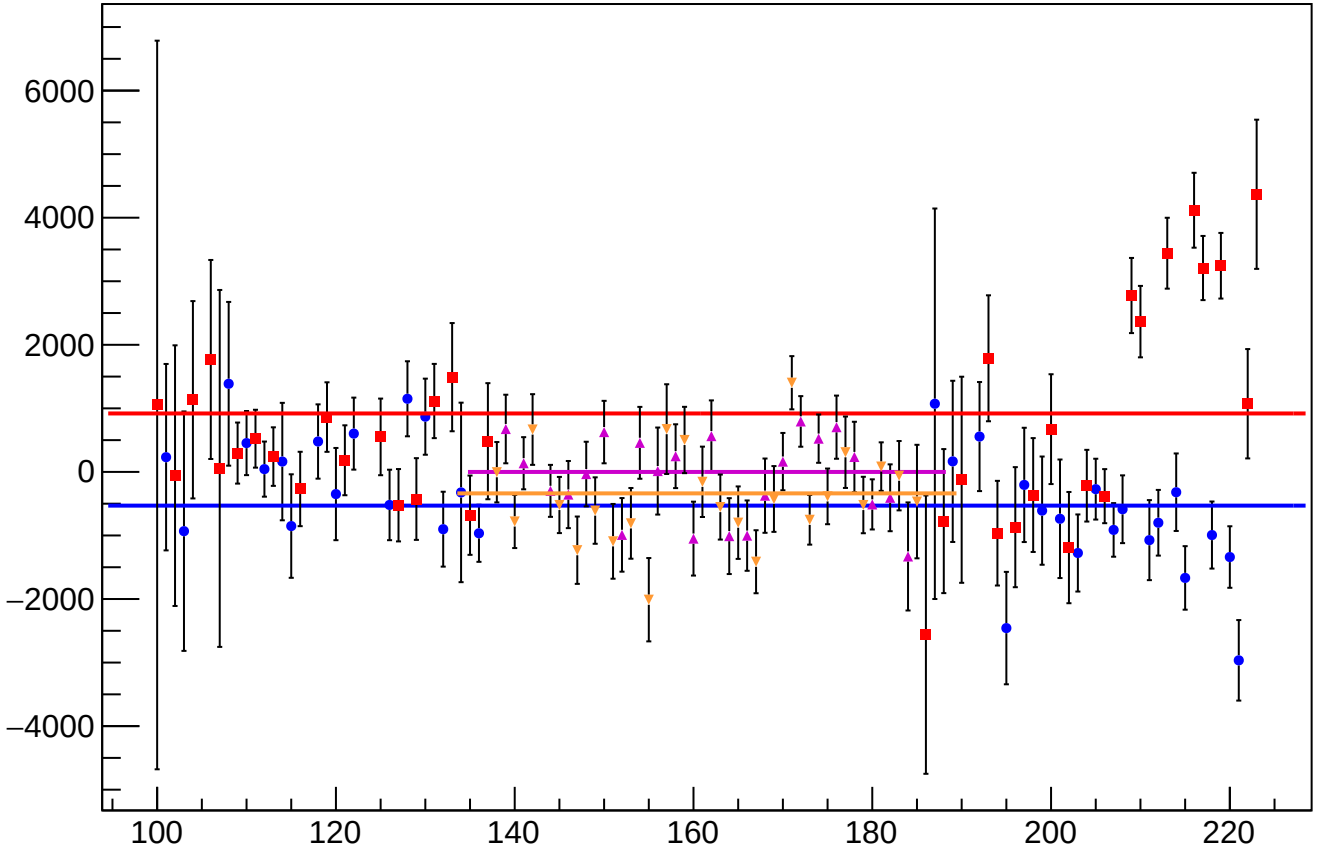
Right: 1118.352+/-0.122 χ^2/NDF: 3283237.7/70

In: 1099.000+/-0.124 χ^2/NDF:727773.3/56

Out: 1103.812+/-0.124 χ^2/NDF:2706153.4/60

All: 1101.397+/-0.088 χ^2/NDF: 3434679.9/11

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -530.475+/-108.383 χ^2/NDF: 65.2/33

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 919.695+/-111.524 χ^2/NDF: 181.7/36

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

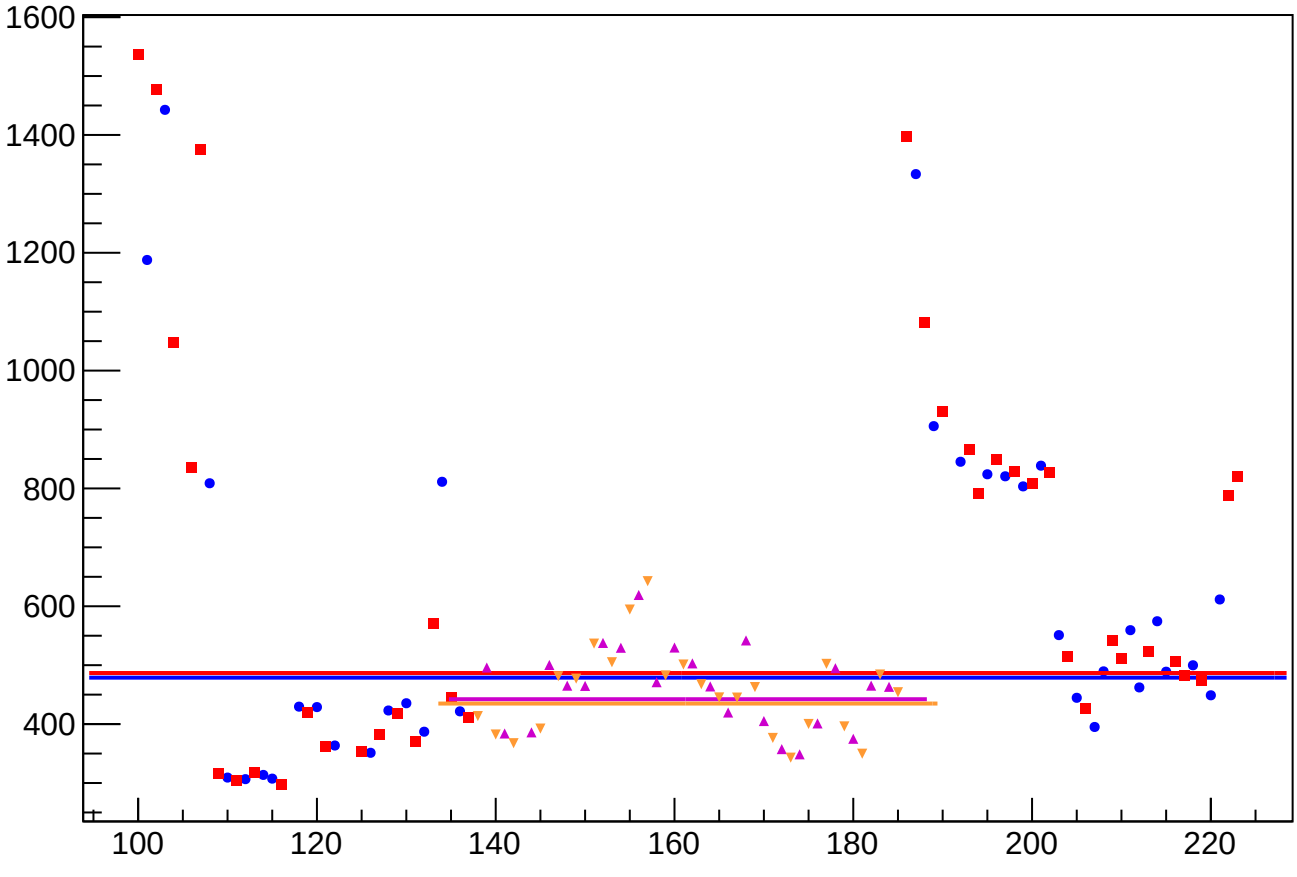
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 173.900+/-77.725 χ^2/NDF: 333.8/70

In: -256.438+/-75.315 χ^2/NDF:109.4/56

Out: 238.678+/-75.508 χ^2/NDF:299.3/60

All: -9.514+/-53.324 χ^2/NDF: 430.3/117



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

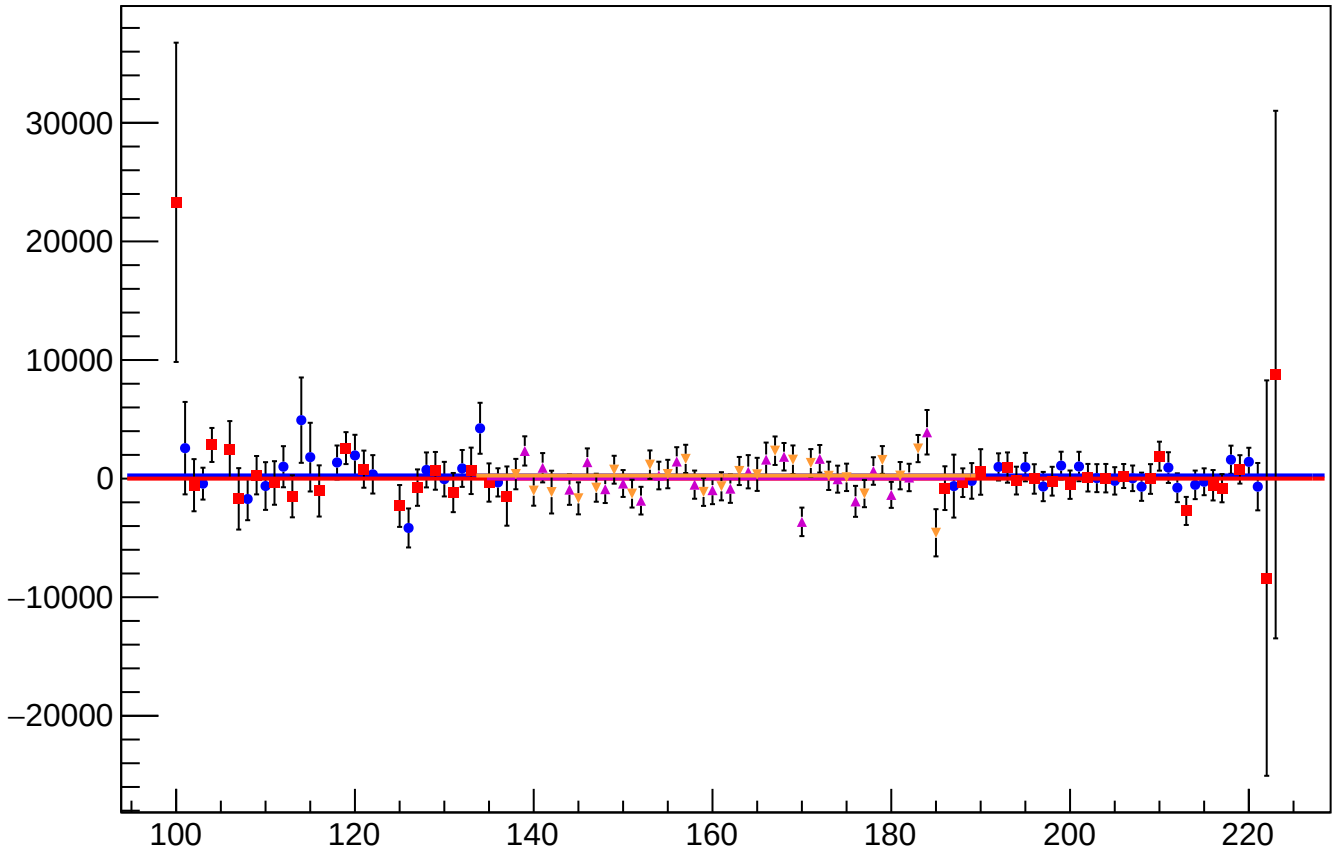
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 482.658+/-0.055 χ^2/NDF: 10333599.4/70

In: 459.896+/-0.053 χ^2/NDF:5422654.7/56

Out: 458.623+/-0.053 χ^2/NDF:6962430.1/60

All: 459.262+/-0.038 χ^2/NDF: 12385369.8/1



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

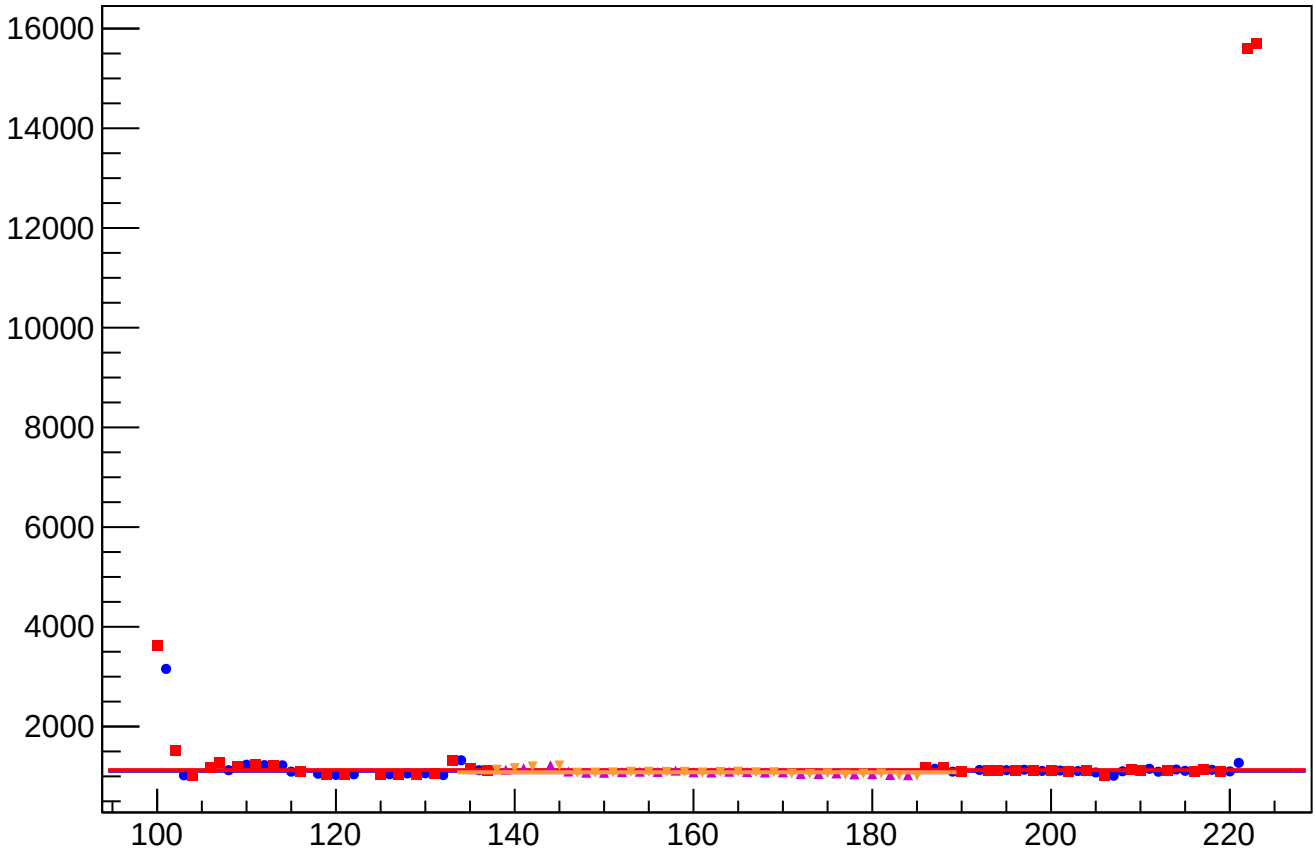
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 135.515+/-172.432 χ^2/NDF: 51.7/70

In: 150.509+/-175.019 χ^2/NDF:60.5/56

Out: 127.090+/-175.707 χ^2/NDF:55.6/60

All: 138.845+/-123.999 χ^2/NDF: 116.2/117



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

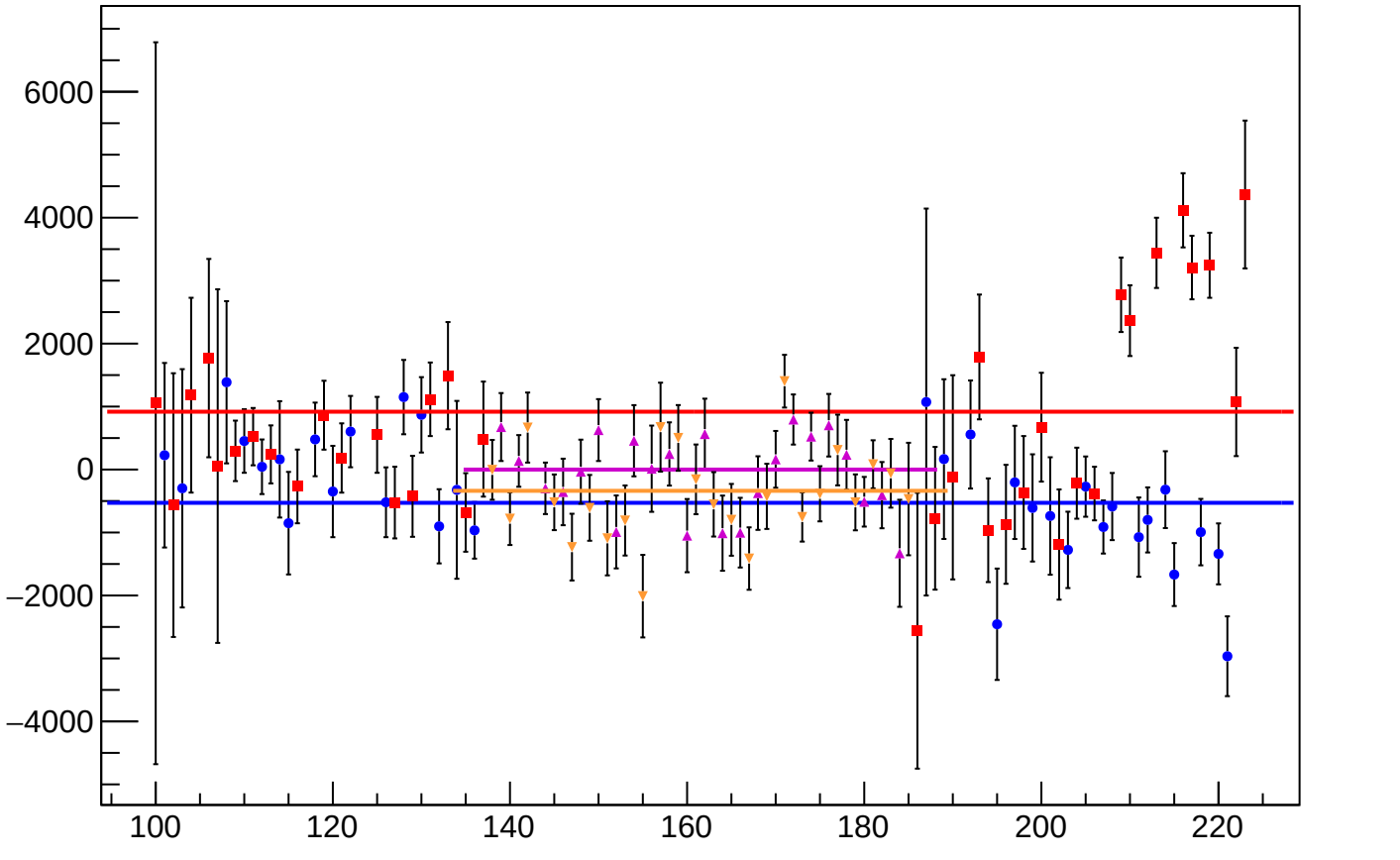
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1118.504+/-0.122 χ^2/NDF: 3284038.9/70

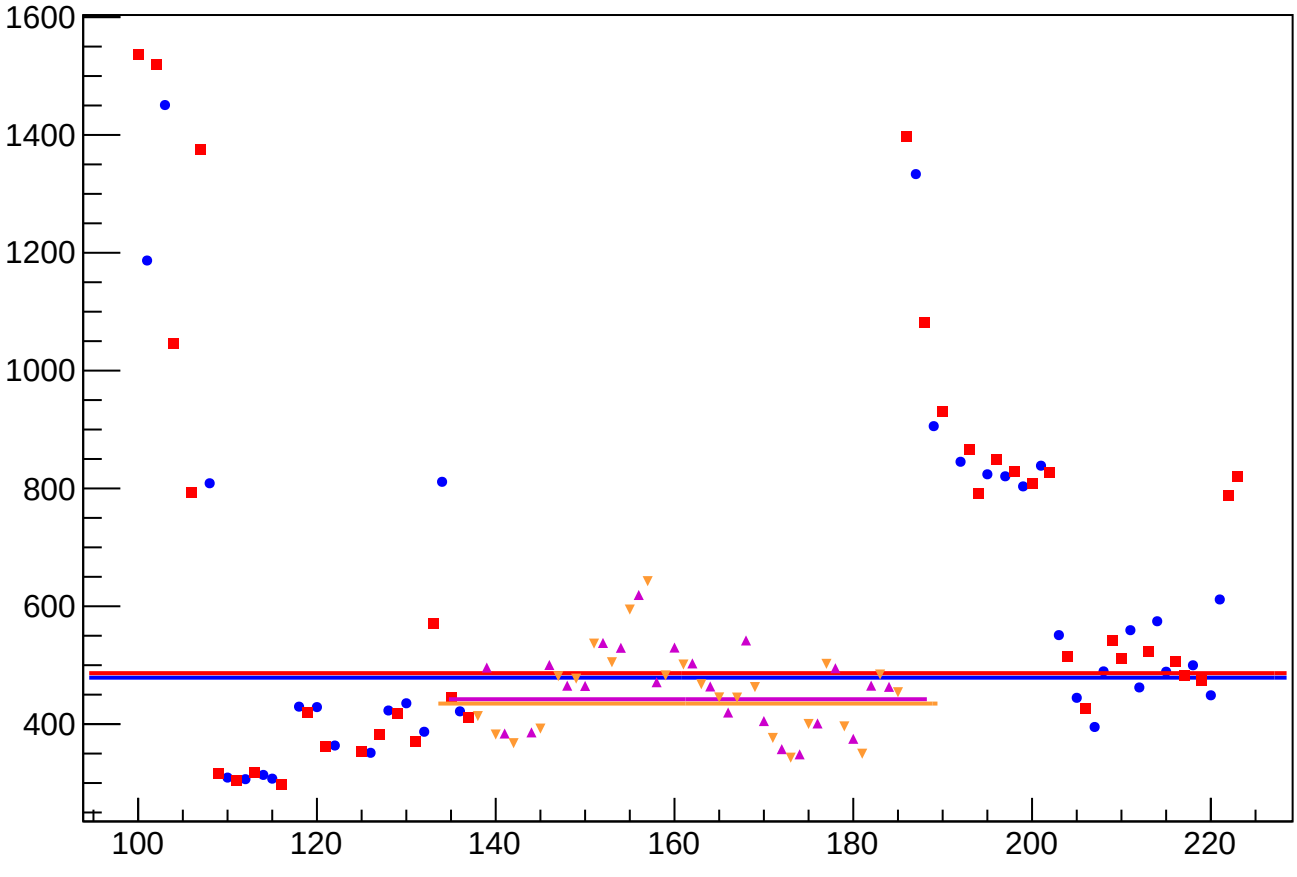
In: 1099.000+/-0.124 χ^2/NDF:727774.2/56

Out: 1103.962+/-0.124 χ^2/NDF:2707243.4/60

All: 1101.471+/-0.088 χ^2/NDF: 3435818.5/11


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -528.482+/-108.383 χ²/NDF: 65.1/33
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 918.625+/-111.532 χ²/NDF: 182.0/36
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 174.358+/-77.728 χ²/NDF: 333.7/70
In: -255.485+/-75.315 χ²/NDF:109.3/56
Out: 238.092+/-75.510 χ²/NDF:299.5/60
All: -9.335+/-53.324 χ²/NDF: 430.2/117

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



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

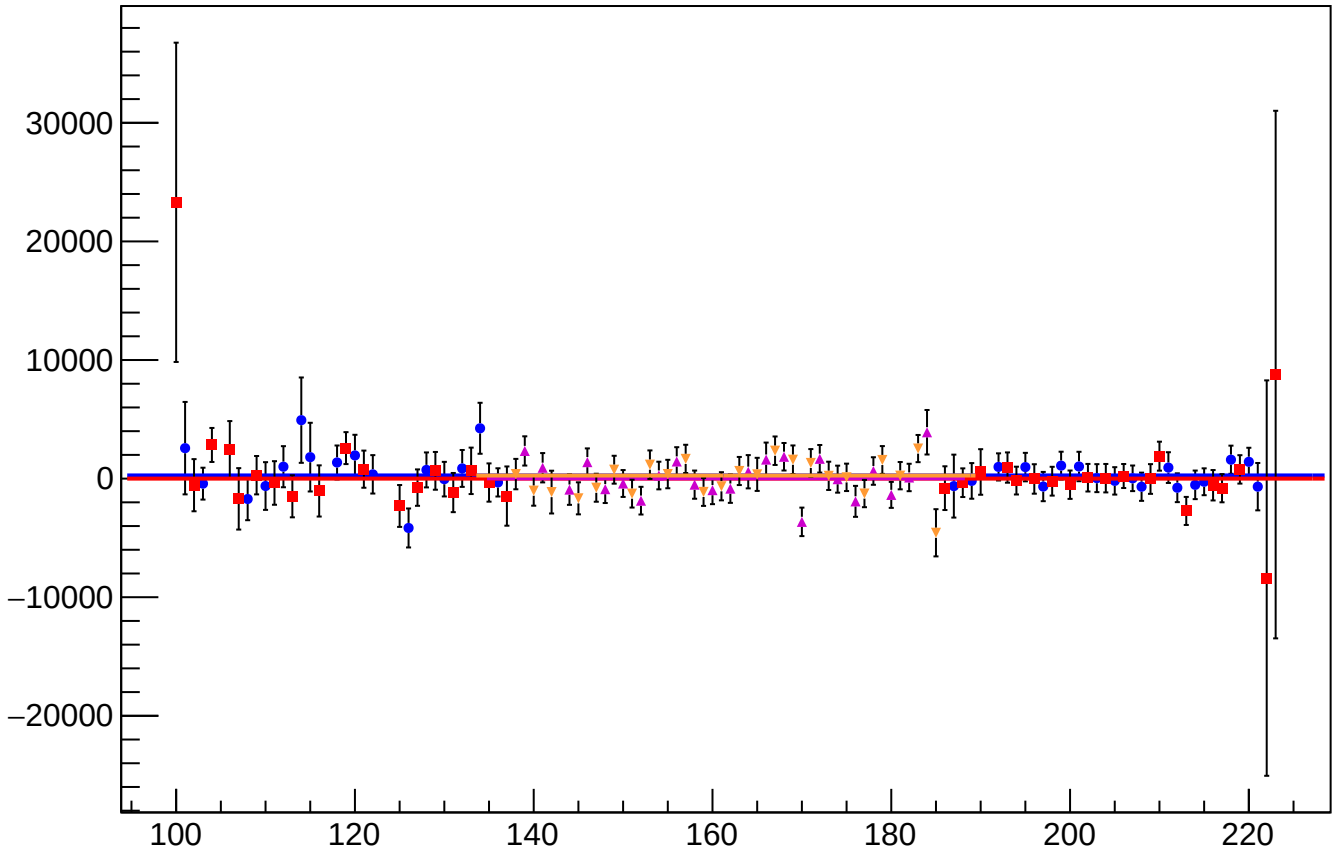
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 482.548+/-0.055 χ^2/NDF: 10332345.0/70

In: 459.895+/-0.053 χ^2/NDF:5426327.9/56

Out: 458.518+/-0.053 χ^2/NDF:6955719.4/60

All: 459.209+/-0.038 χ^2/NDF: 12382380.9/1



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

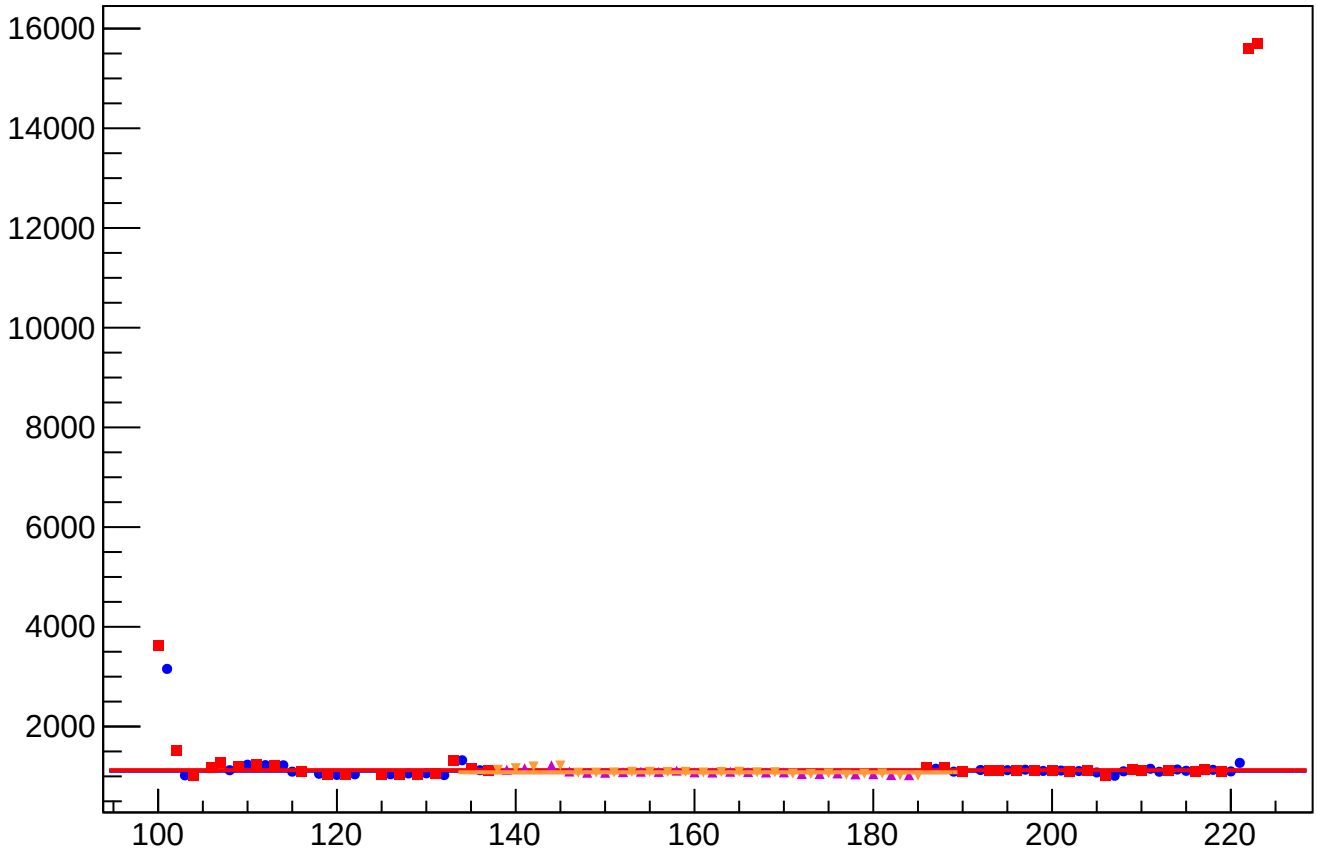
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 135.515+/-172.432 χ^2/NDF: 51.7/70

In: 150.509+/-175.019 χ^2/NDF:60.5/56

Out: 127.090+/-175.707 χ^2/NDF:55.6/60

All: 138.845+/-123.999 χ^2/NDF: 116.2/117



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

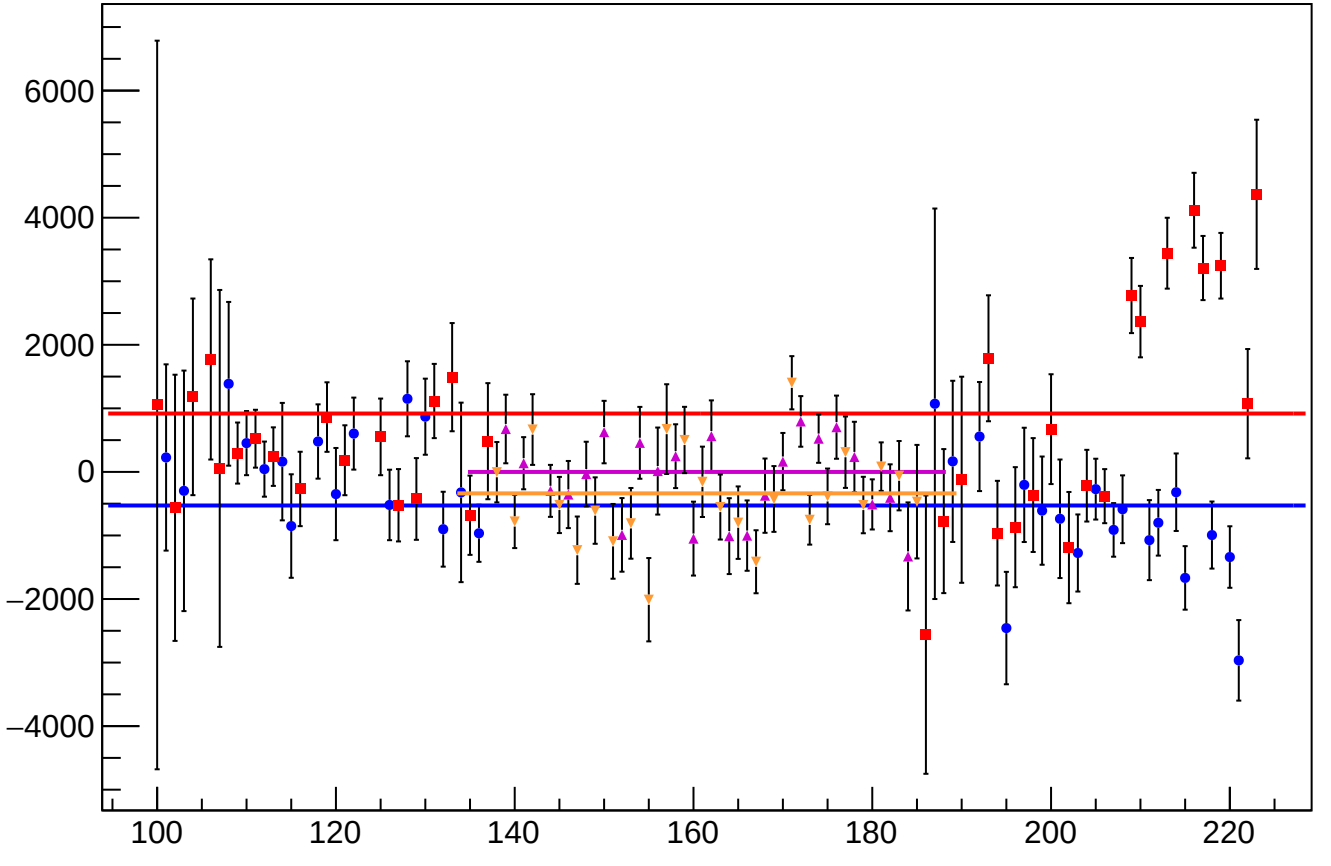
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

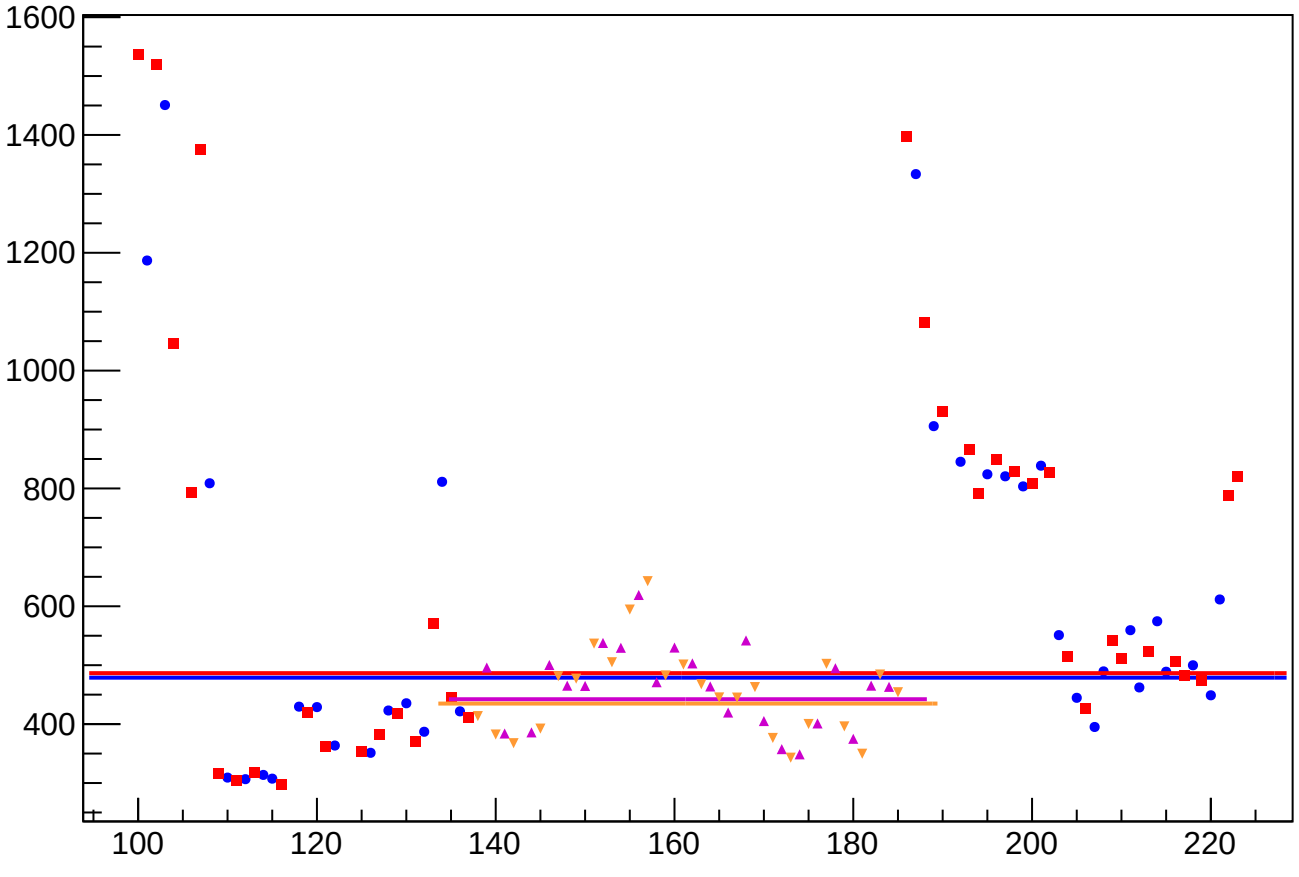
Right: 1118.504+/-0.122 χ^2/NDF: 3284038.9/70

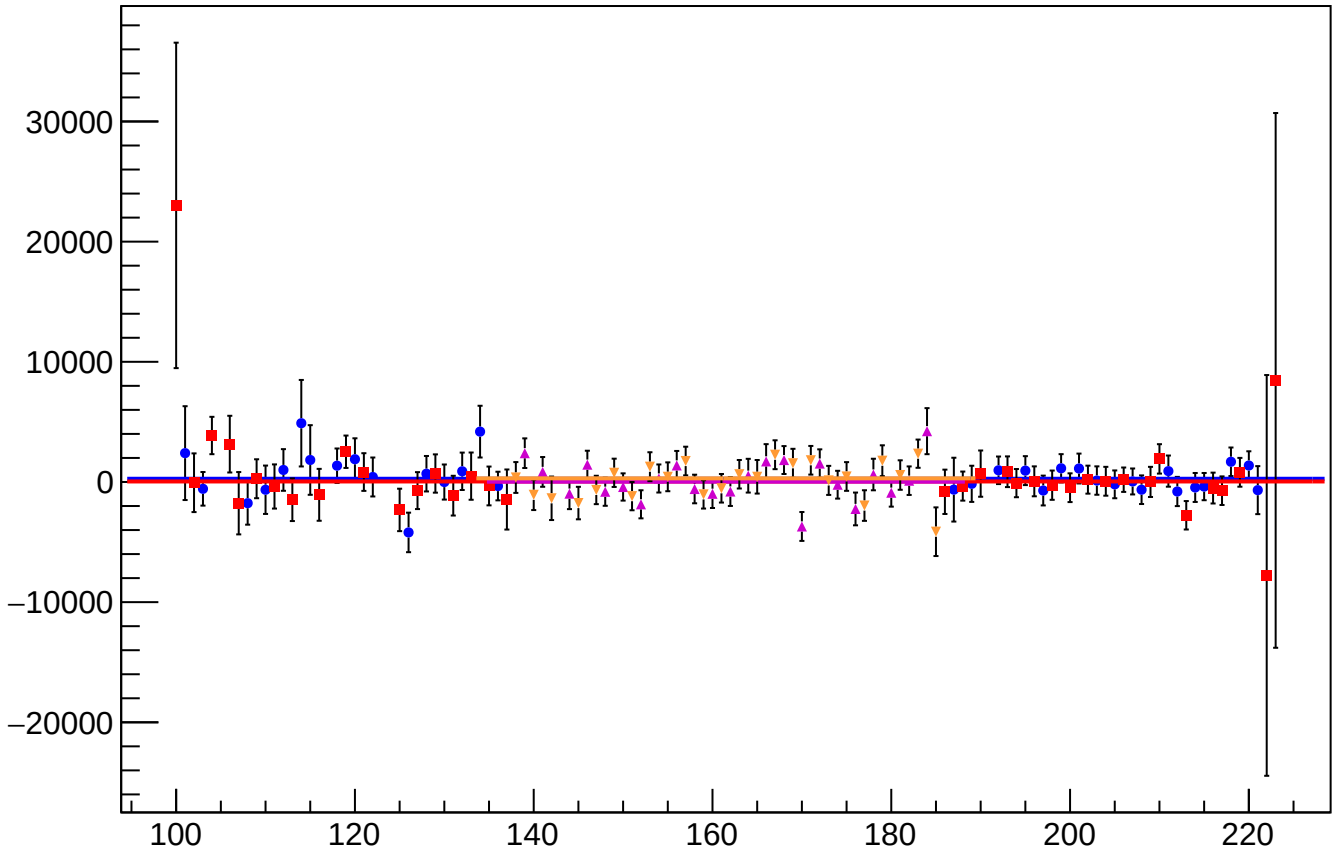
In: 1099.000+/-0.124 χ^2/NDF:727774.2/56

Out: 1103.962+/-0.124 χ^2/NDF:2707243.4/60

All: 1101.471+/-0.088 χ^2/NDF: 3435818.5/11


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -528.482+/-108.383 χ²/NDF: 65.1/33
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 918.625+/-111.532 χ²/NDF: 182.0/36
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 174.358+/-77.728 χ²/NDF: 333.7/70
In: -255.485+/-75.315 χ²/NDF:109.3/56
Out: 238.092+/-75.510 χ²/NDF:299.5/60
All: -9.335+/-53.324 χ²/NDF: 430.2/117


asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
220
Right In: 478.836+/-0.077 χ²/NDF: 4482375.8/33
Left Out: 434.856+/-0.073 χ²/NDF:878507.3/23
Right Out: 486.479+/-0.079 χ²/NDF: 5845138.5/36
Left In: 442.210+/-0.074 χ²/NDF:825844.5/22
Left: 438.457+/-0.052 χ²/NDF: 1709383.2/46
Right: 482.548+/-0.055 χ²/NDF: 10332345.0/70
In: 459.895+/-0.053 χ²/NDF:5426327.9/56
Out: 458.518+/-0.053 χ²/NDF:6955719.4/60
All: 459.209+/-0.038 χ²/NDF: 12382380.9/1



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

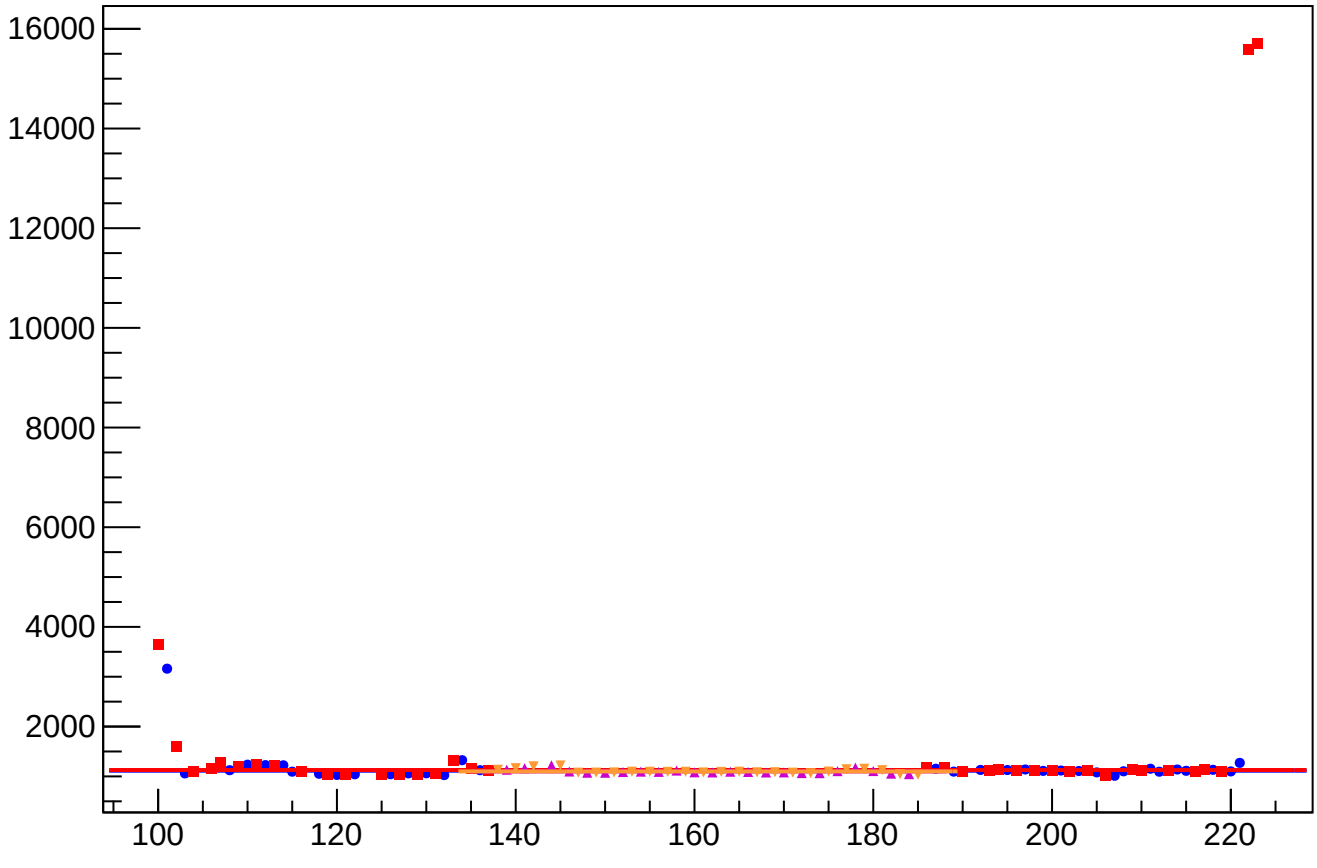
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 157.216+/-172.994 χ^2/NDF: 54.5/70

In: 153.469+/-176.385 χ^2/NDF:60.8/56

Out: 168.551+/-177.498 χ^2/NDF:58.6/60

All: 160.963+/-125.115 χ^2/NDF: 119.4/117



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

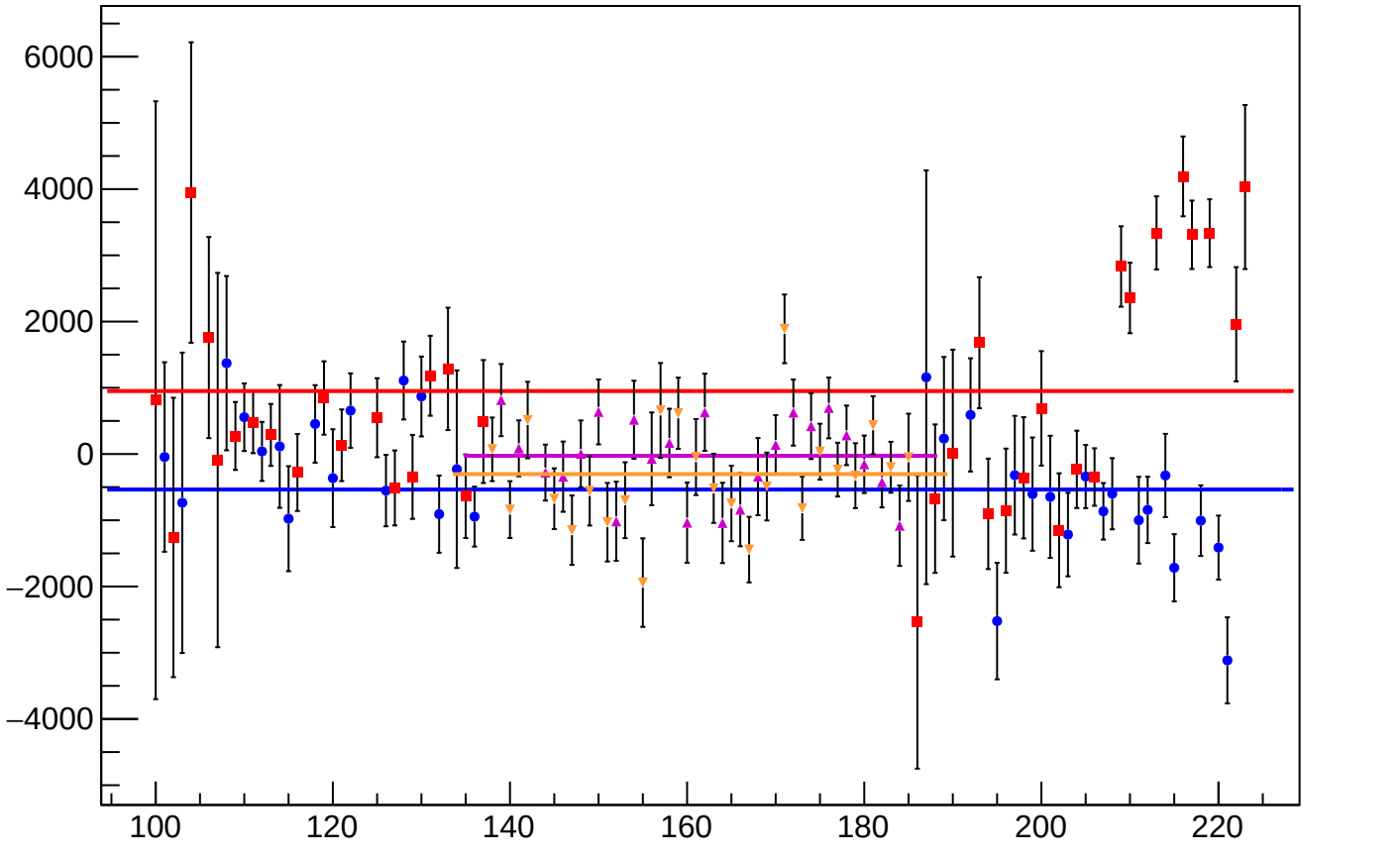
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

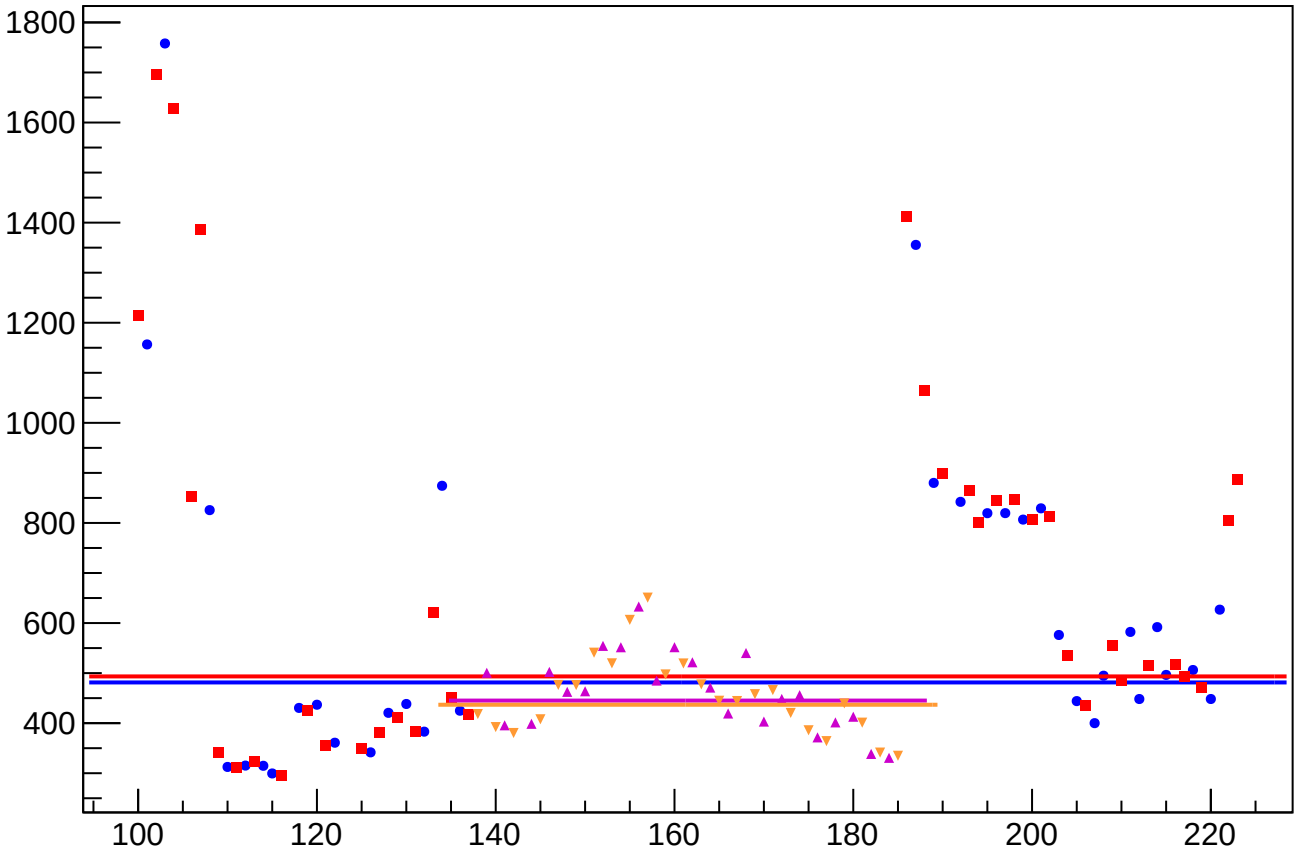
Right: 1121.324+/-0.122 χ^2/NDF: 3283689.1/70

In: 1107.679+/-0.125 χ^2/NDF:704453.1/56

Out: 1114.484+/-0.126 χ^2/NDF:2686093.3/60

All: 1111.060+/-0.088 χ^2/NDF: 3392025.6/11


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -536.056+/-109.000 χ²/NDF: 67.0/33
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: 950.822+/-112.768 χ²/NDF: 182.7/36
Left In: -26.740+/-105.420 χ²/NDF:27.9/22
Left: -168.216+/-73.665 χ²/NDF: 80.9/46
Right: 182.128+/-78.373 χ²/NDF: 339.6/70
In: -272.897+/-75.777 χ²/NDF:106.2/56
Out: 267.023+/-76.043 χ²/NDF:299.7/60
All: -3.882+/-53.676 χ²/NDF: 431.1/117



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

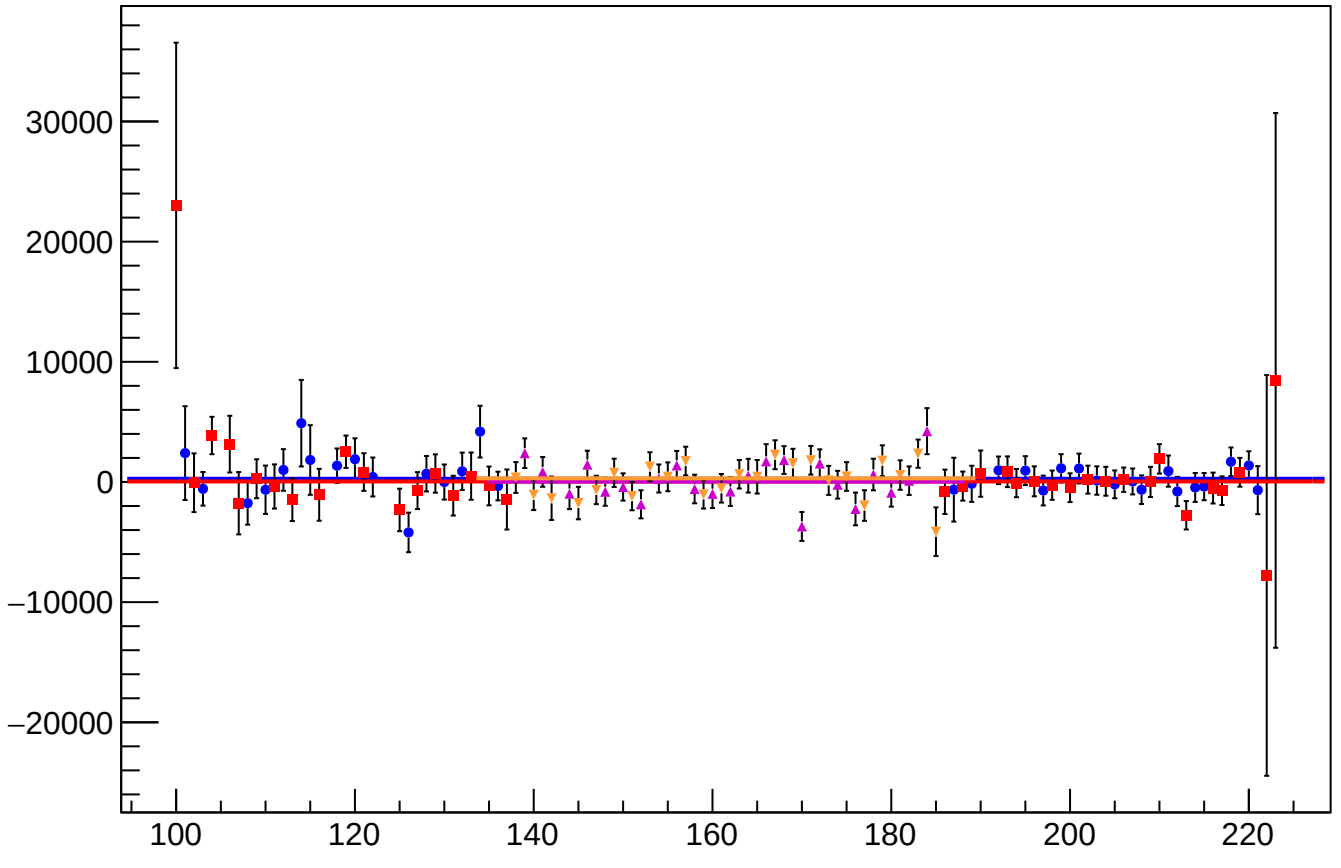
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 487.165+/-0.055 χ^2/NDF: 10862250.8/70

In: 462.623+/-0.054 χ^2/NDF:5622196.9/56

Out: 462.527+/-0.054 χ^2/NDF:7347004.7/60

All: 462.575+/-0.038 χ^2/NDF: 12969203.2/11



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

Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

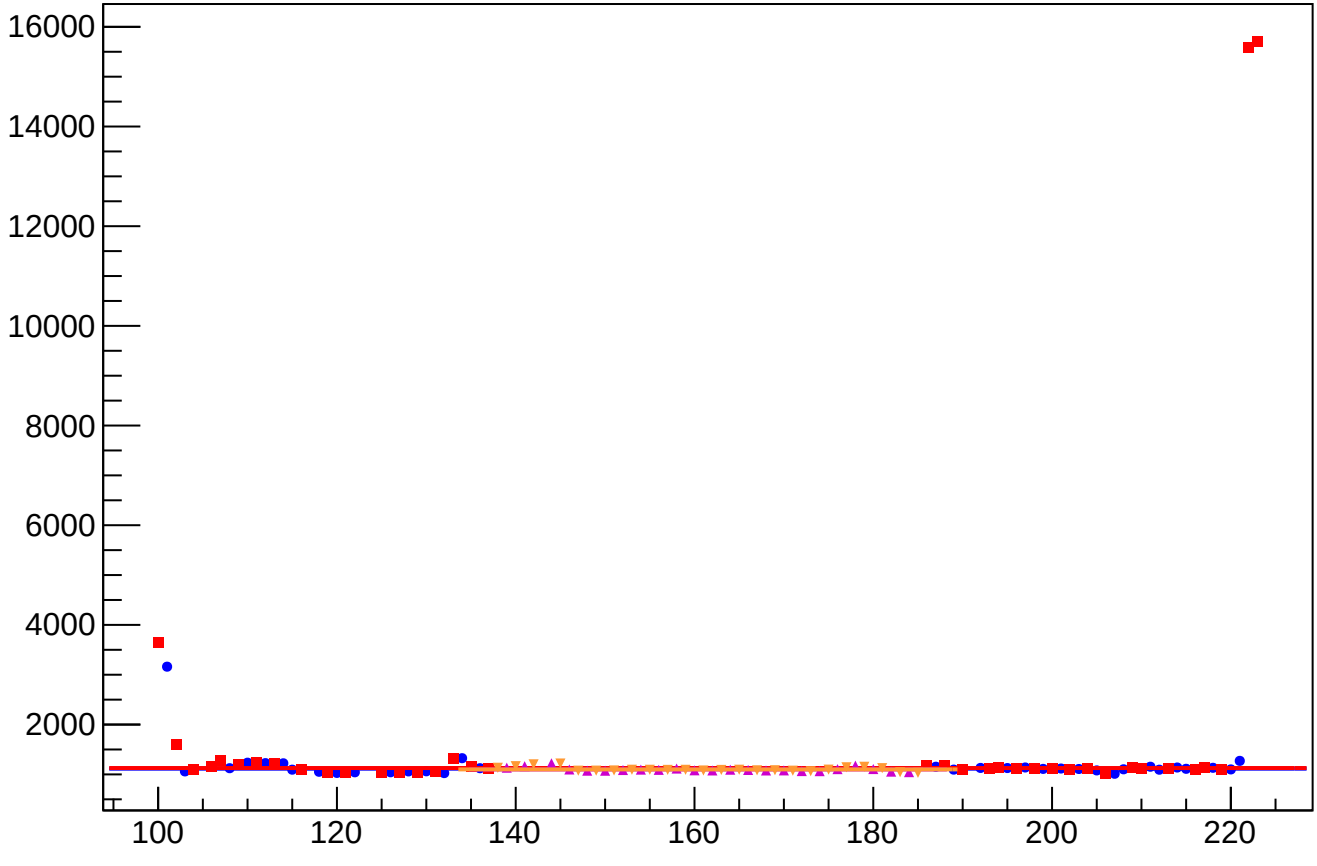
Right: 157.214+/-172.994 χ^2/NDF: 54.5/70

In: 153.469+/-176.385 χ^2/NDF:60.8/56

Out: 168.549+/-177.498 χ^2/NDF:58.6/60

All: 160.961+/-125.115 χ^2/NDF: 119.4/117

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



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

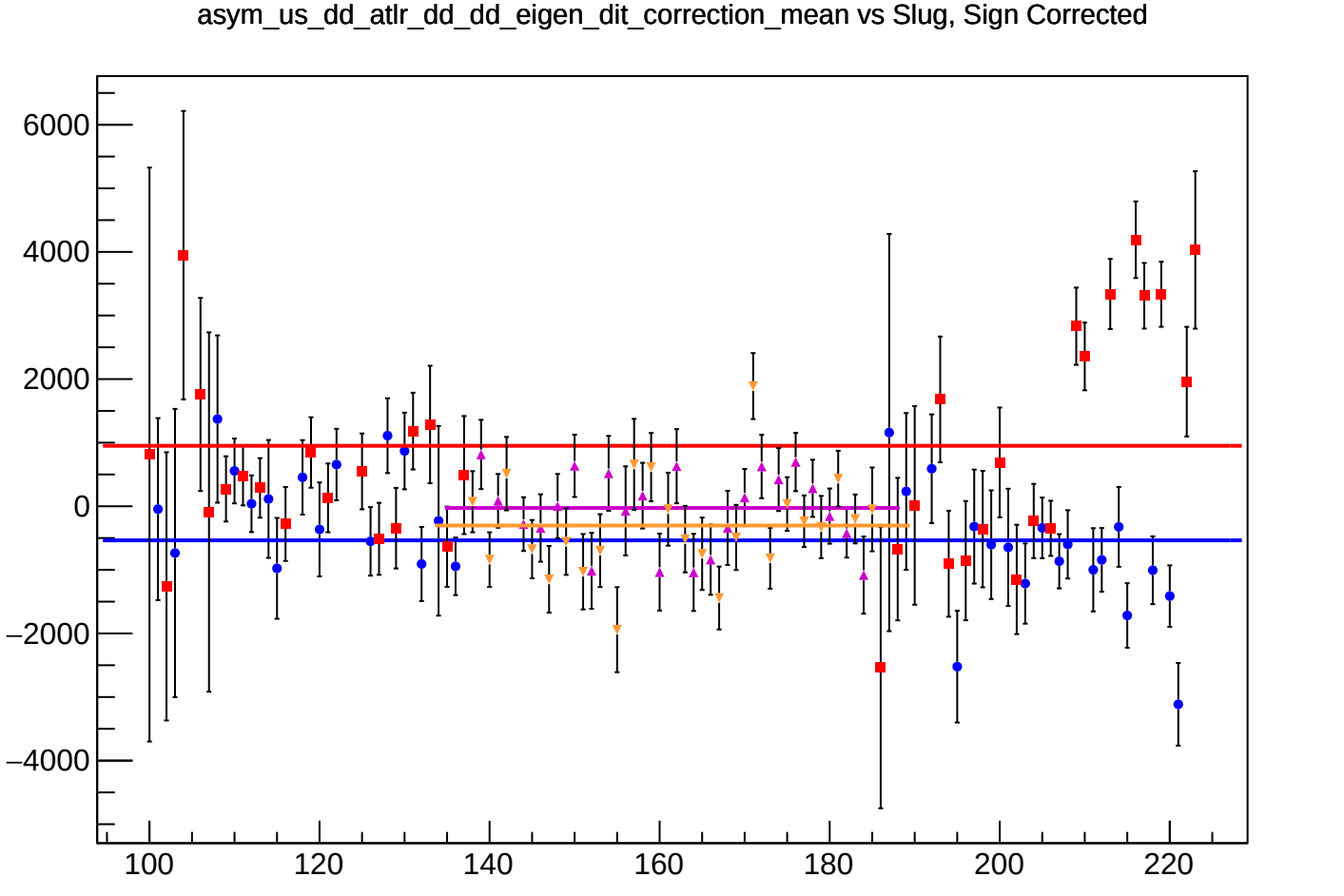
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1121.324+/-0.122 χ^2/NDF: 3283689.3/70

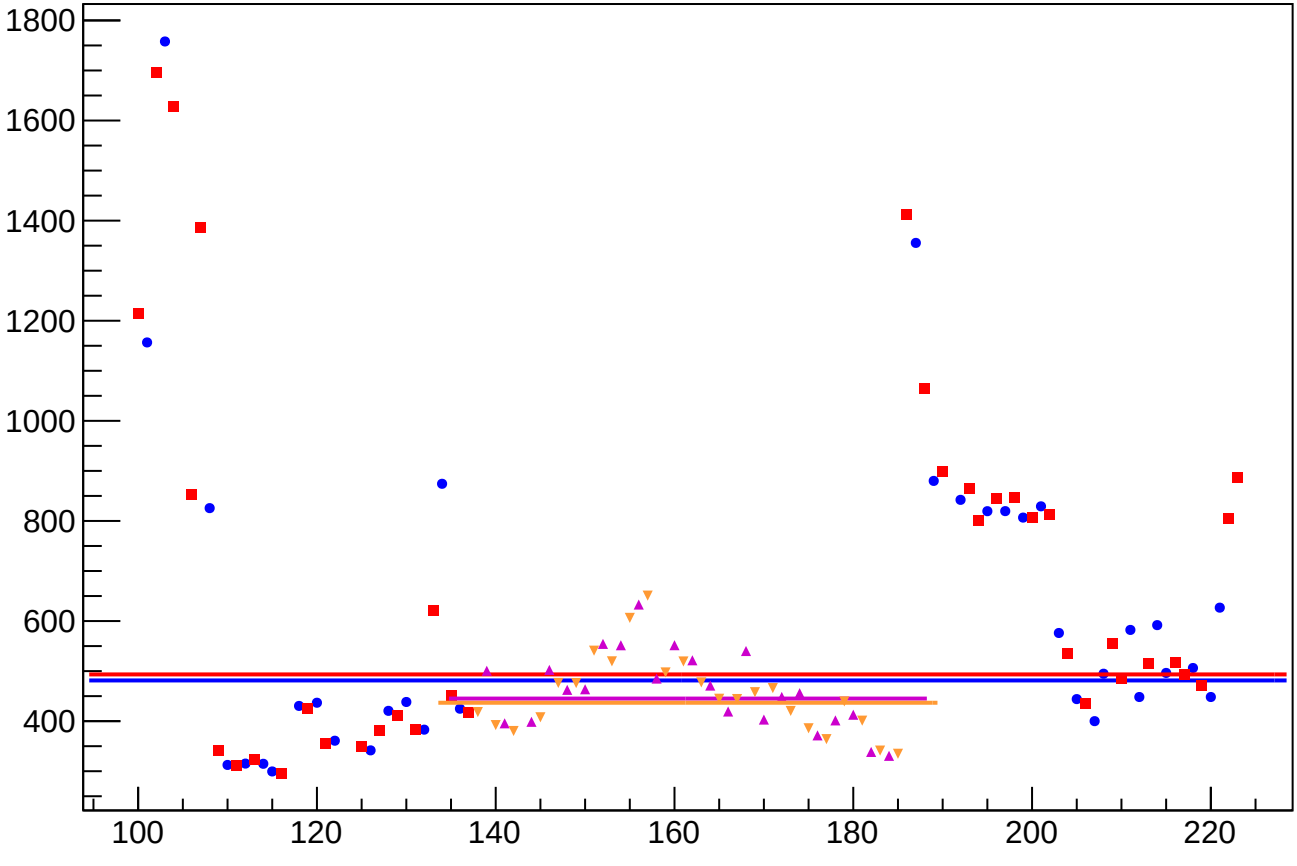
In: 1107.679+/-0.125 χ^2/NDF:704453.3/56

Out: 1114.484+/-0.126 χ^2/NDF:2686093.6/60

All: 1111.060+/-0.088 χ^2/NDF: 3392026.0/11


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -536.060+/-109.000 χ²/NDF: 67.0/33
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 950.810+/-112.768 χ²/NDF: 182.7/36
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 182.119+/-78.373 χ²/NDF: 339.6/70
In: -272.900+/-75.777 χ²/NDF:106.2/56
Out: 267.018+/-76.043 χ²/NDF:299.7/60
All: -3.886+/-53.676 χ²/NDF: 431.1/117

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

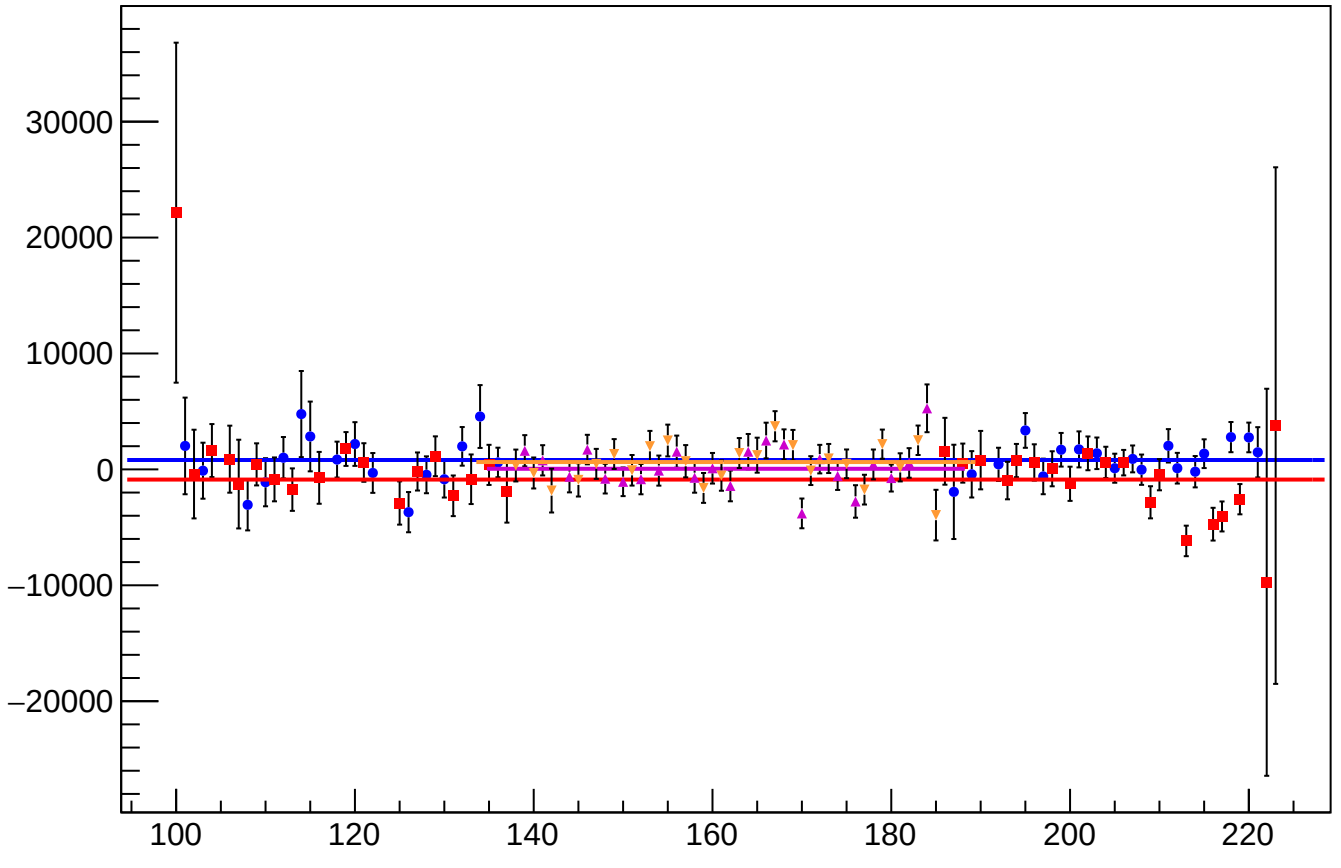
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 487.163+/-0.055 χ^2/NDF: 10862363.5/70

In: 462.622+/-0.054 χ^2/NDF:5622252.9/56

Out: 462.526+/-0.054 χ^2/NDF:7347095.2/60

All: 462.574+/-0.038 χ^2/NDF: 12969349.7/1



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

Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

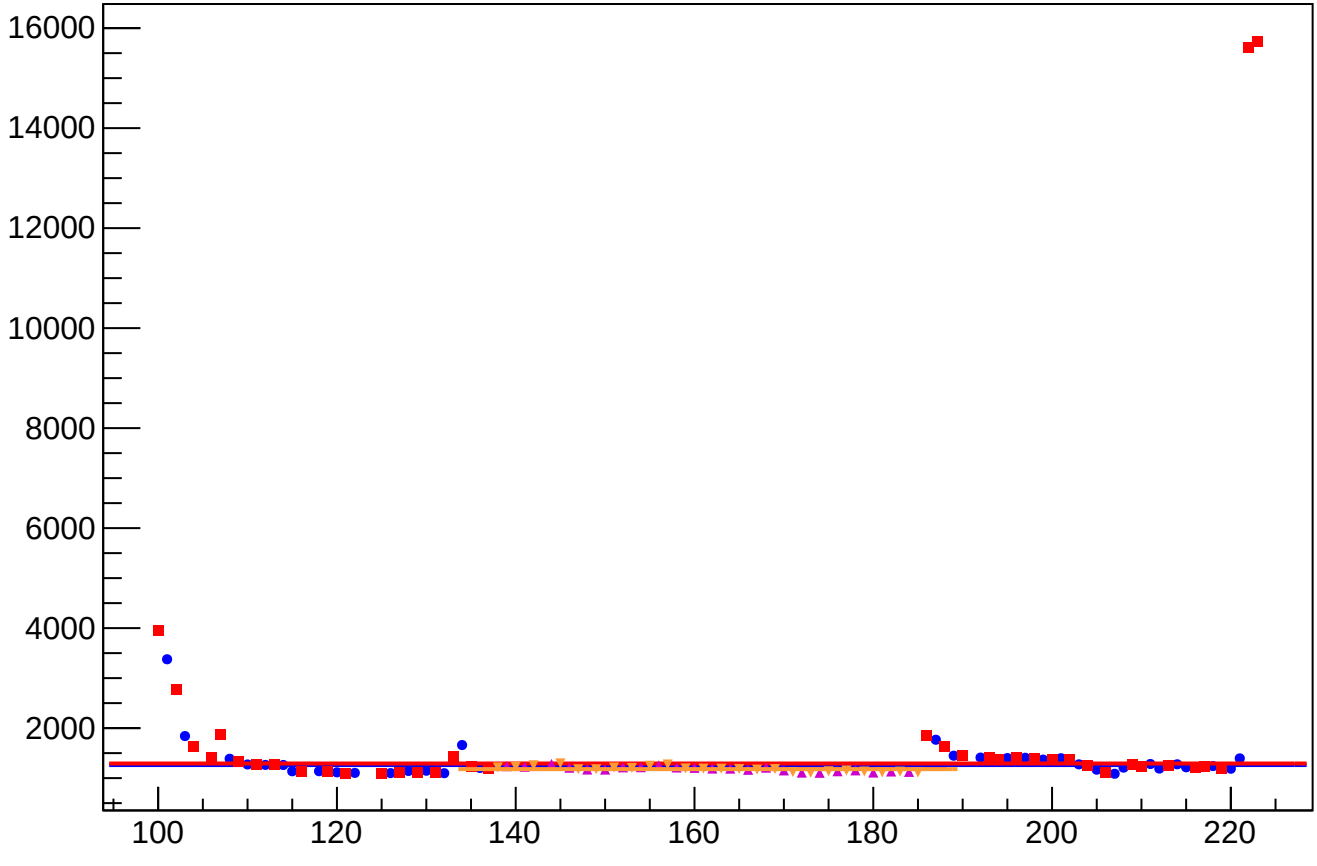
Right: -8.621+/-197.874 χ^2/NDF: 105.1/70

In: 430.996+/-195.093 χ^2/NDF:69.2/56

Out: -95.437+/-197.304 χ^2/NDF:101.4/60

All: 170.746+/-138.727 χ^2/NDF: 174.1/117

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



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

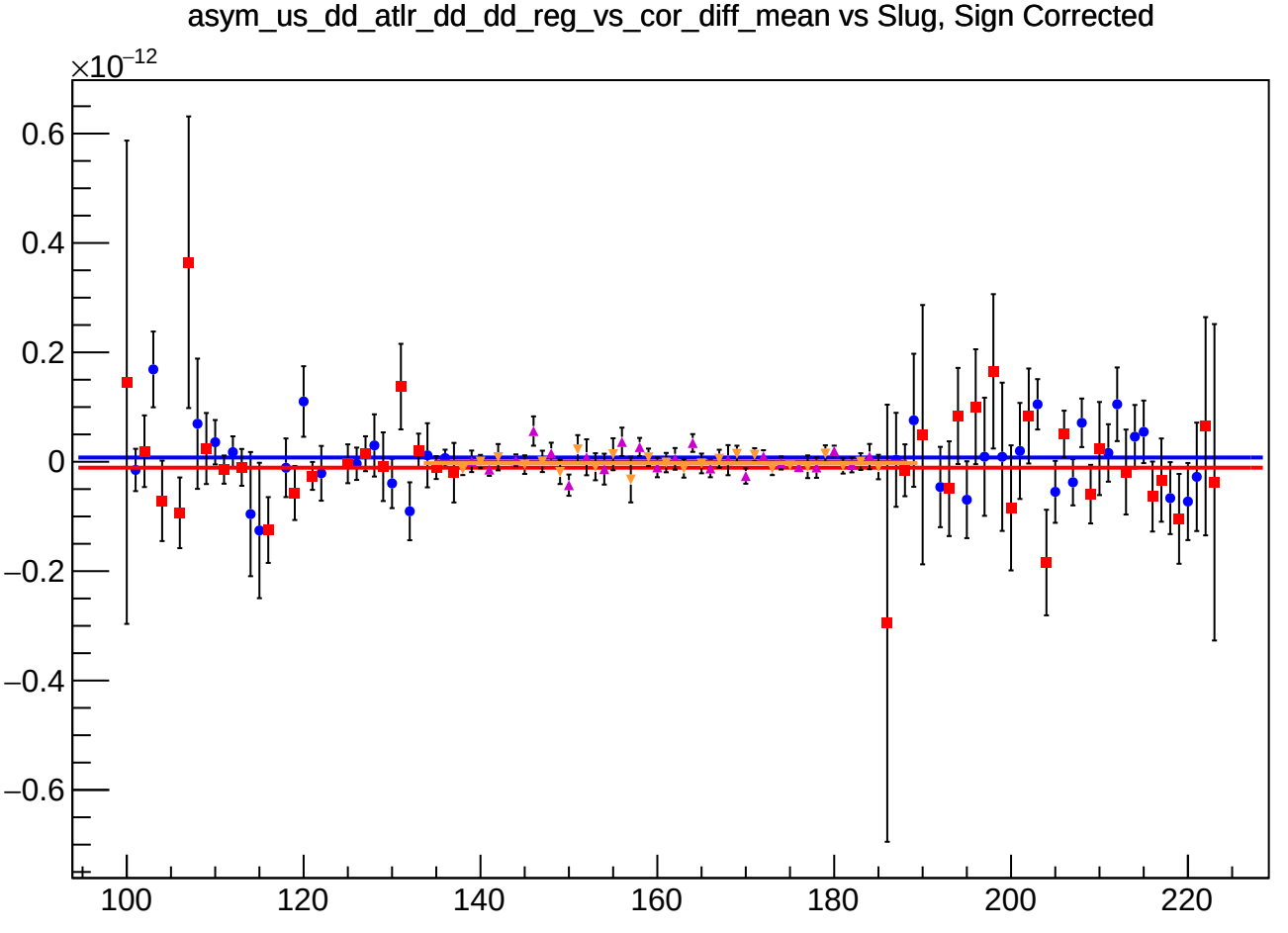
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1276.262+/-0.140 χ^2/NDF: 4254717.1/70

In: 1221.643+/-0.138 χ^2/NDF:1144872.4/56

Out: 1233.951+/-0.140 χ^2/NDF:3467628.8/60

All: 1227.728+/-0.098 χ^2/NDF: 4616436.7/11



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

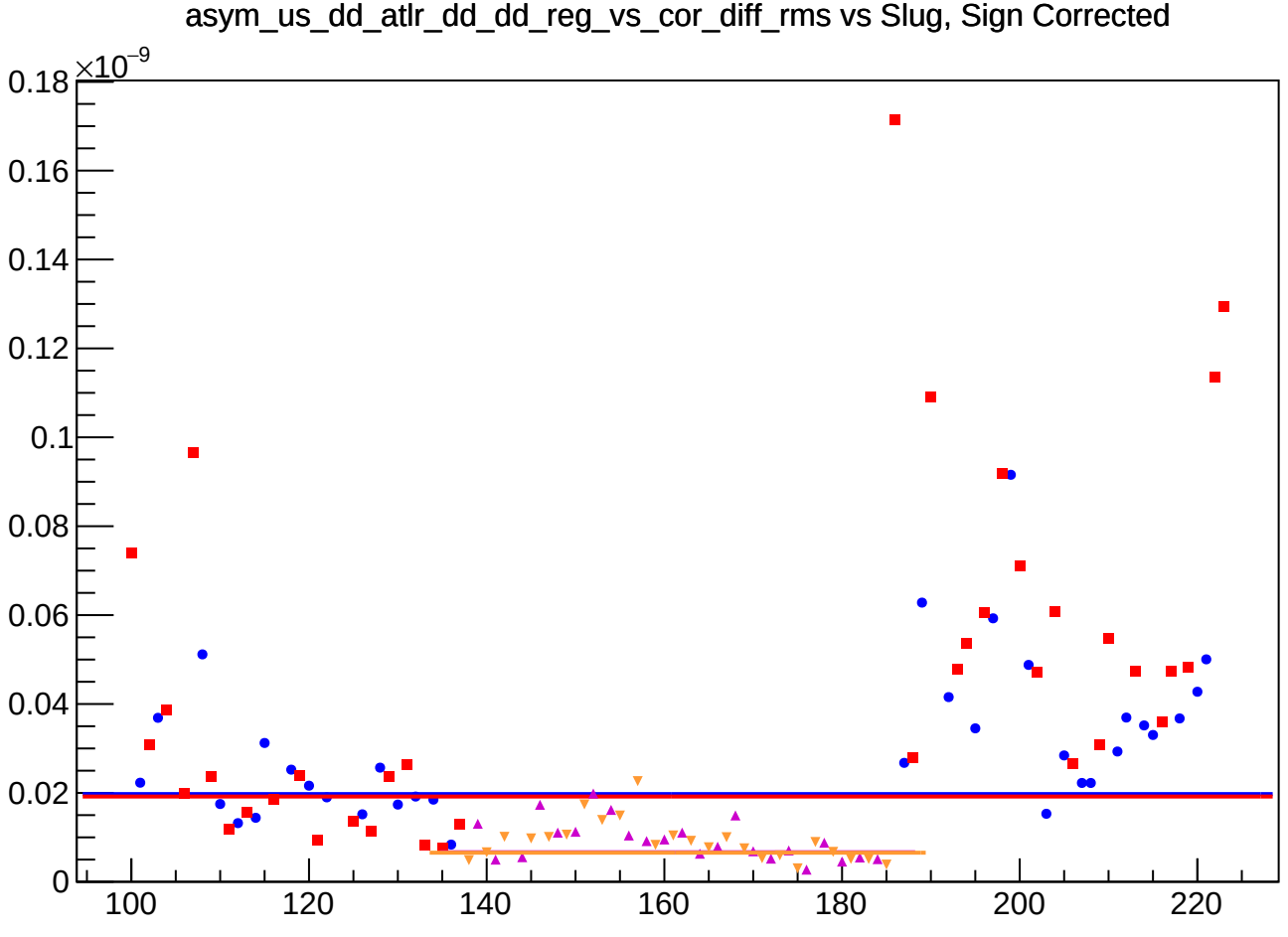
Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

Right: -0.000+/-0.000 χ^2/NDF: 65.7/70

In: 0.000+/-0.000 χ^2/NDF:66.6/56

Out: -0.000+/-0.000 χ^2/NDF:41.2/60

All: -0.000+/-0.000 χ^2/NDF: 109.1/117



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

Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

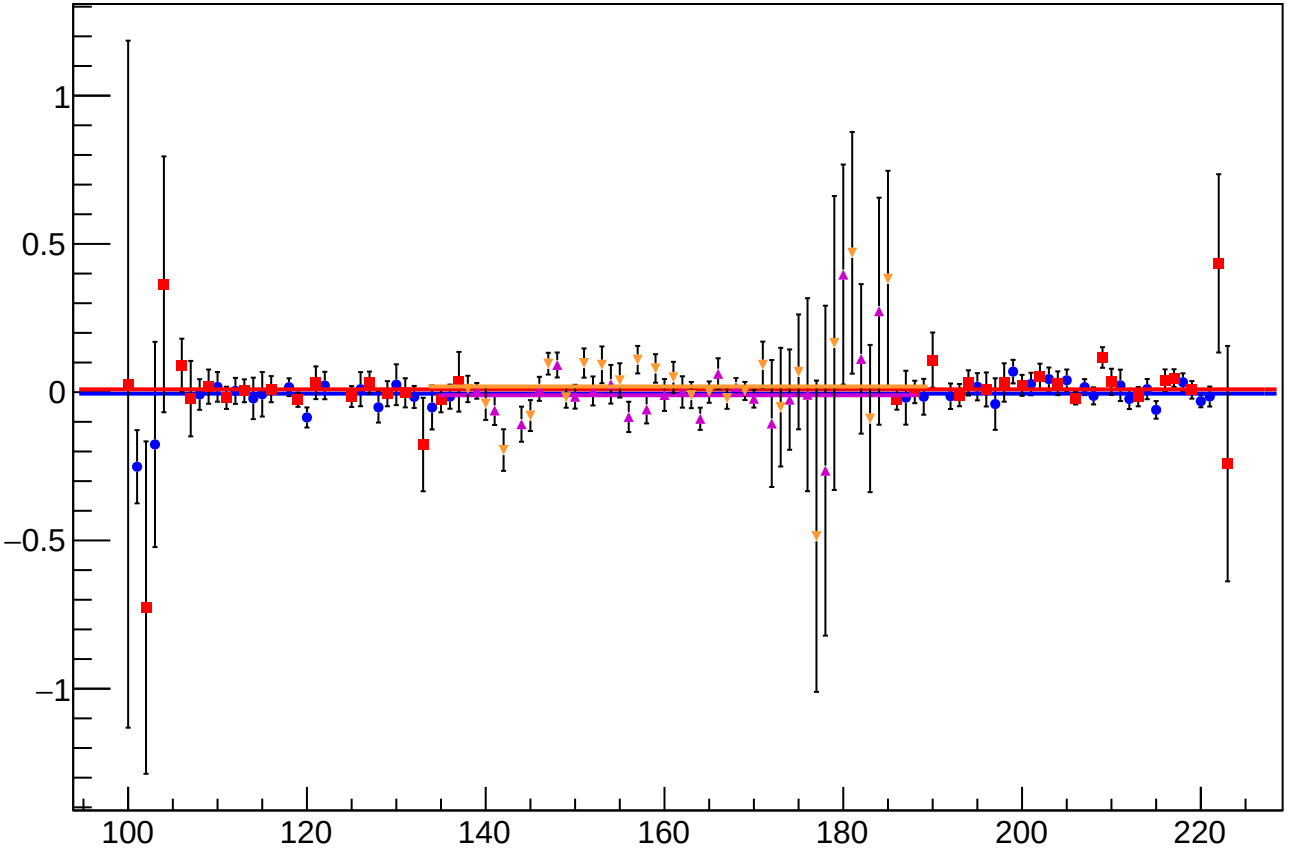
Right: 0.000+/-0.000 χ^2/NDF: 11438321.5/70

In: 0.000+/-0.000 χ^2/NDF:11331291.7/56

Out: 0.000+/-0.000 χ^2/NDF:13587201.1/60

All: 0.000+/-0.000 χ^2/NDF: 24927658.9/117

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

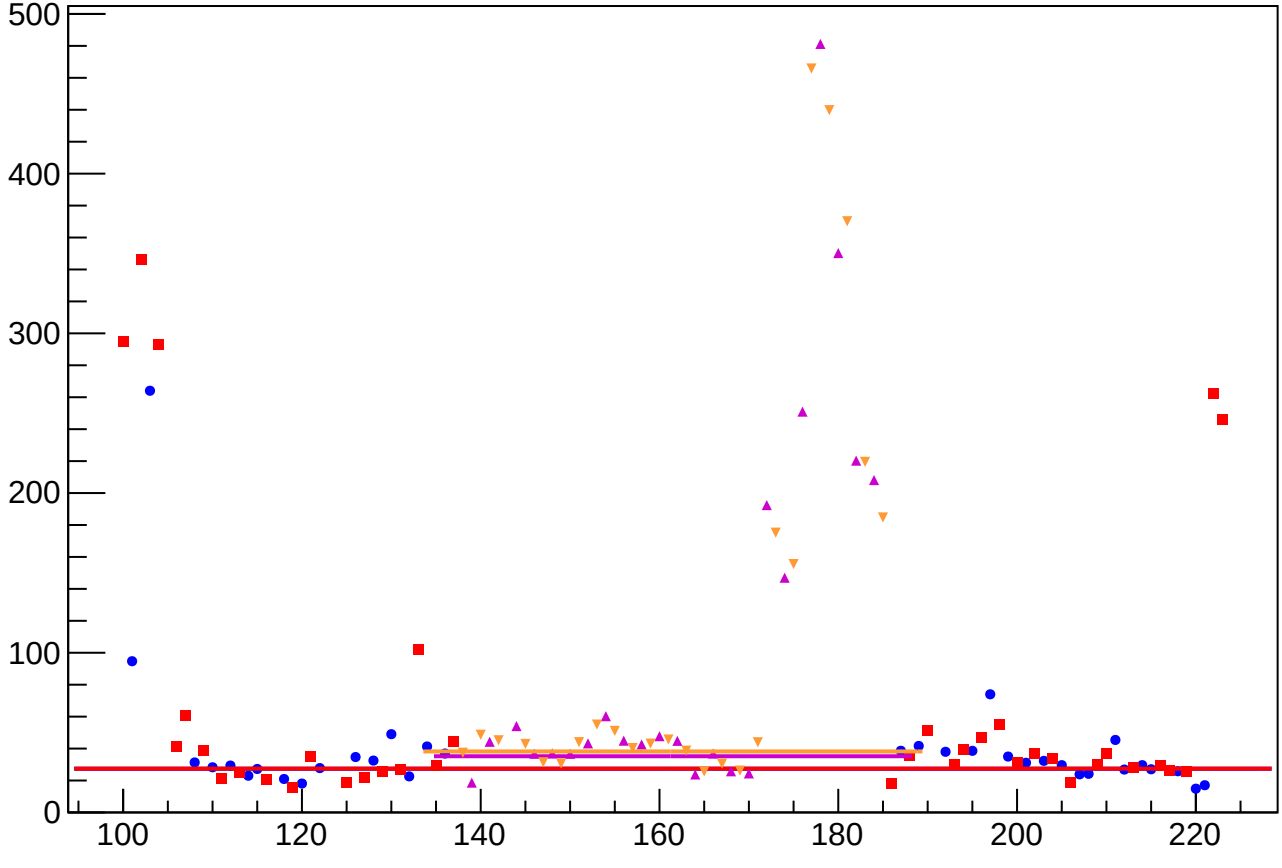
Right: 0.002+/-0.005 χ^2/NDF: 61.8/70

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:67.4/60

All: 0.003+/-0.004 χ^2/NDF: 125.3/117

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

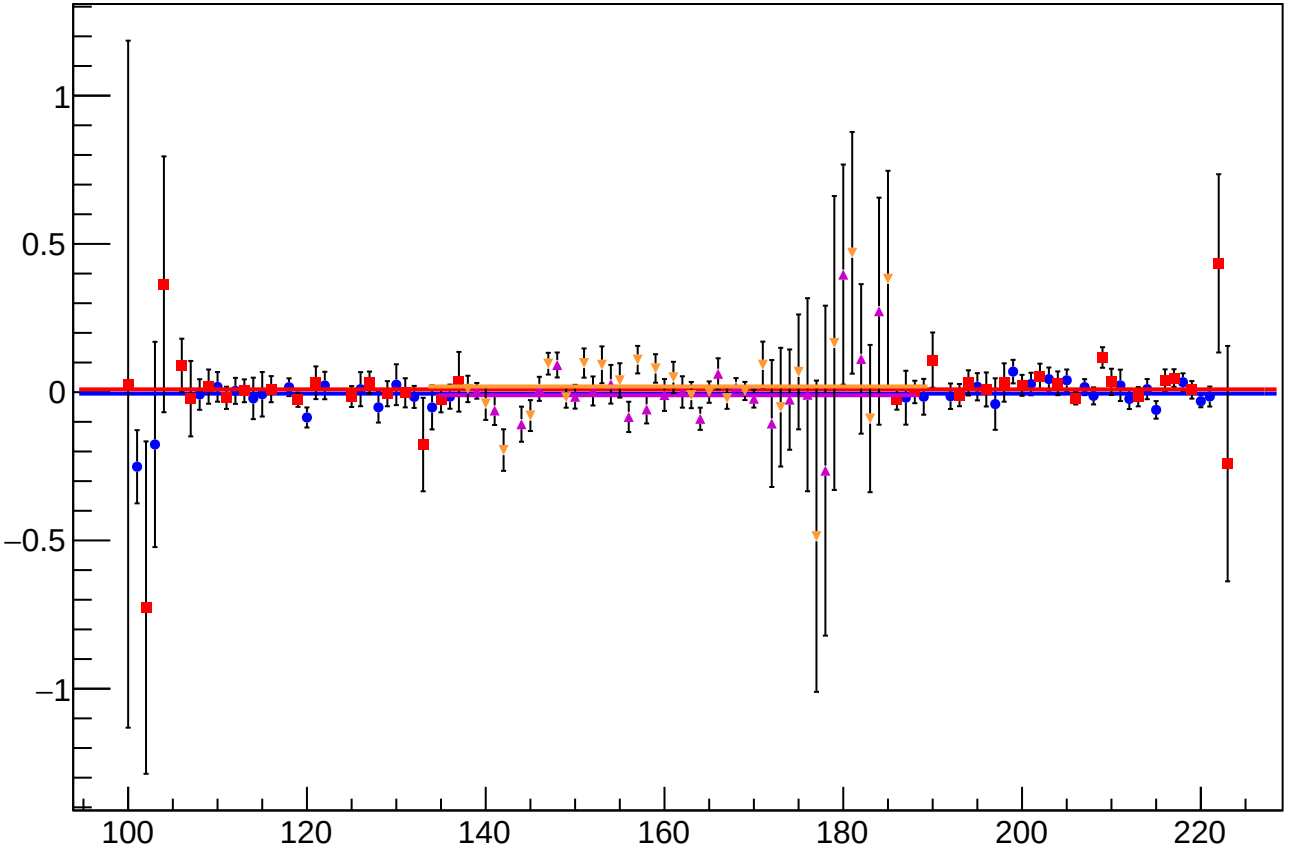
Right: 27.406+/-0.003 χ^2/NDF: 11252718.8/70

In: 29.806+/-0.004 χ^2/NDF:14777413.5/56

Out: 30.592+/-0.004 χ^2/NDF:16357019.1/60

All: 30.190+/-0.003 χ^2/NDF: 31152907.5/117

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

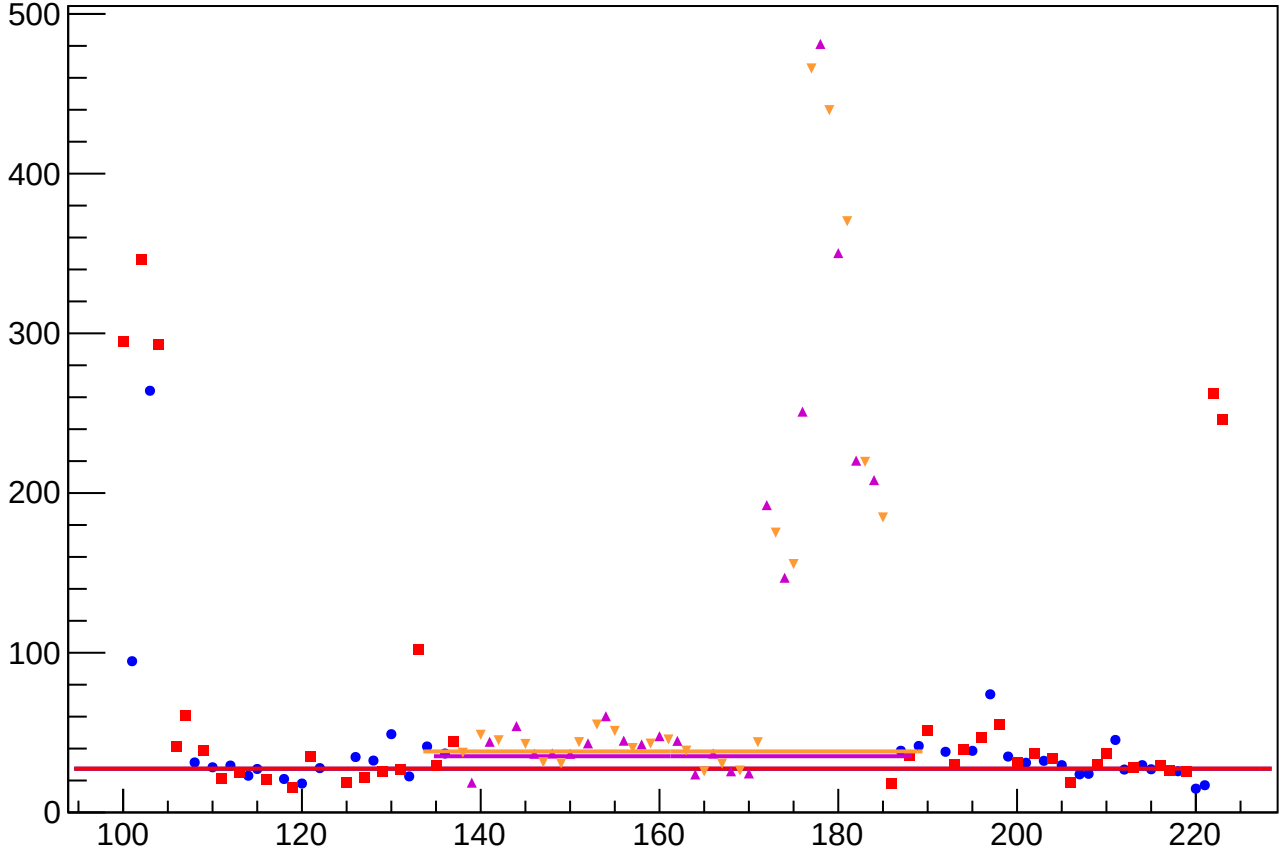
Right: 0.002+/-0.005 χ^2/NDF: 61.8/70

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:67.4/60

All: 0.003+/-0.004 χ^2/NDF: 125.3/117

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

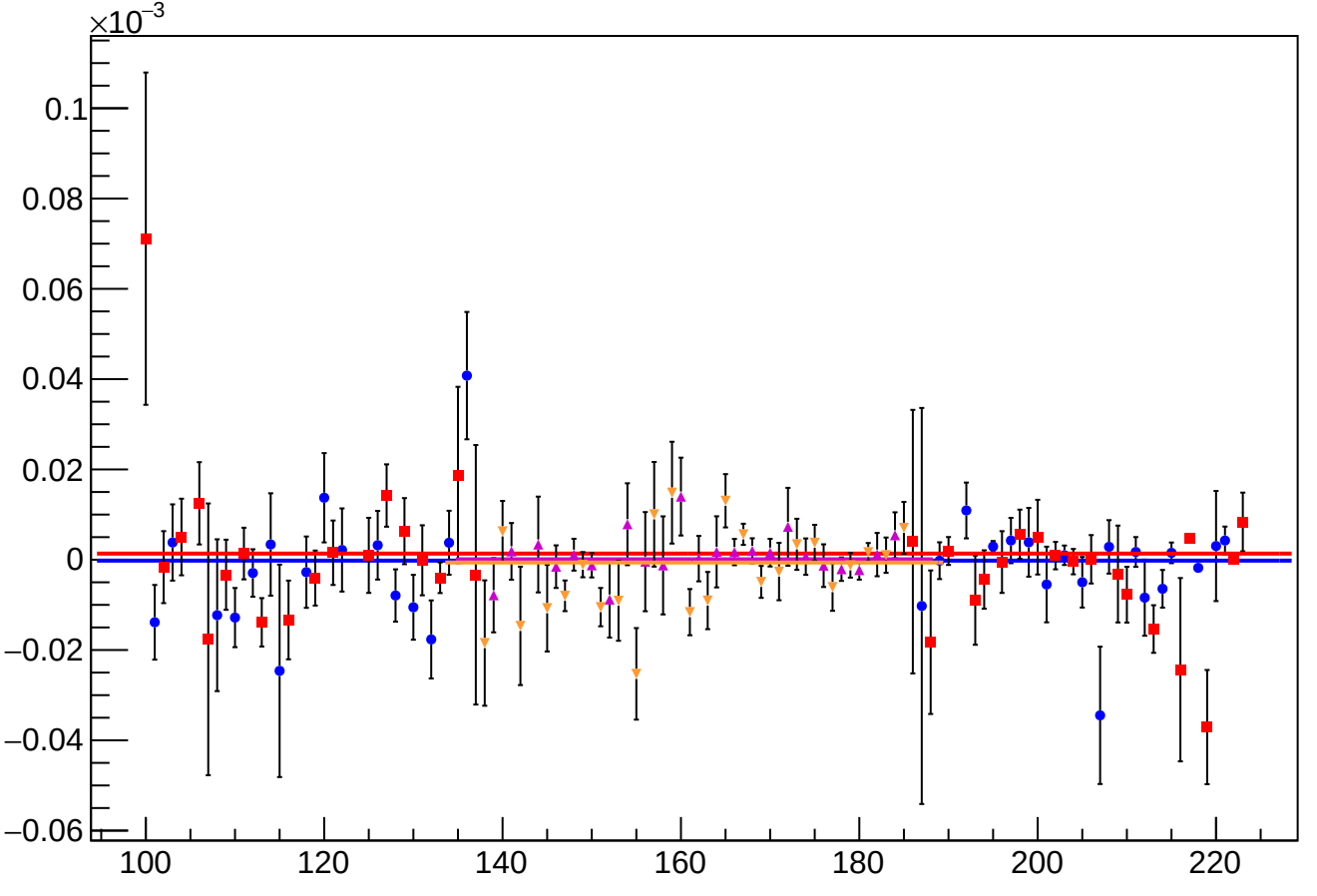
Right: 27.406+/-0.003 χ^2/NDF: 11252718.8/70

In: 29.806+/-0.004 χ^2/NDF:14777413.5/56

Out: 30.592+/-0.004 χ^2/NDF:16357019.1/60

All: 30.190+/-0.003 χ^2/NDF: 31152907.5/117

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

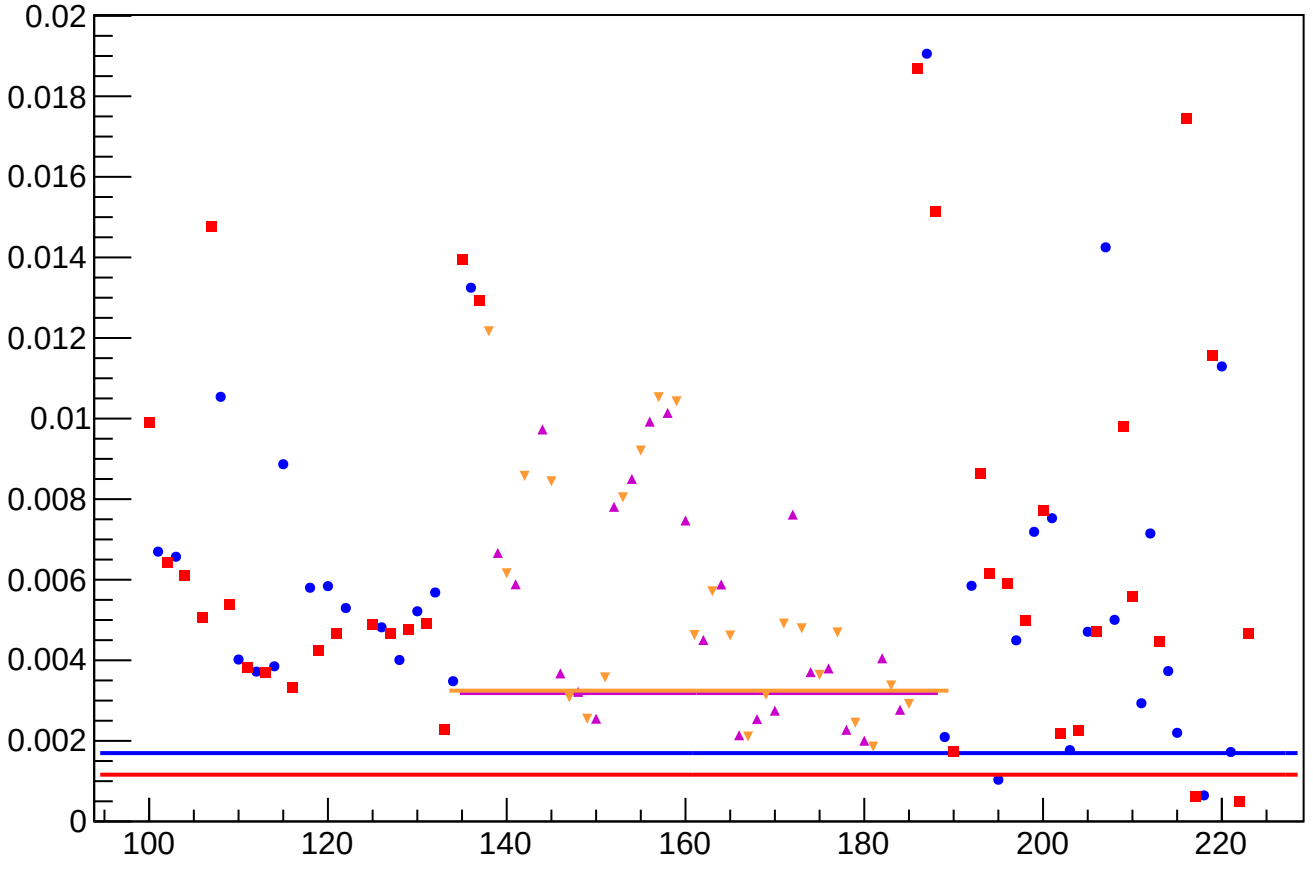
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 135.8/70

In: -0.000+/-0.000 χ^2/NDF:66.4/56

Out: 0.000+/-0.000 χ^2/NDF:130.9/60

All: 0.000+/-0.000 χ^2/NDF: 200.3/117



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

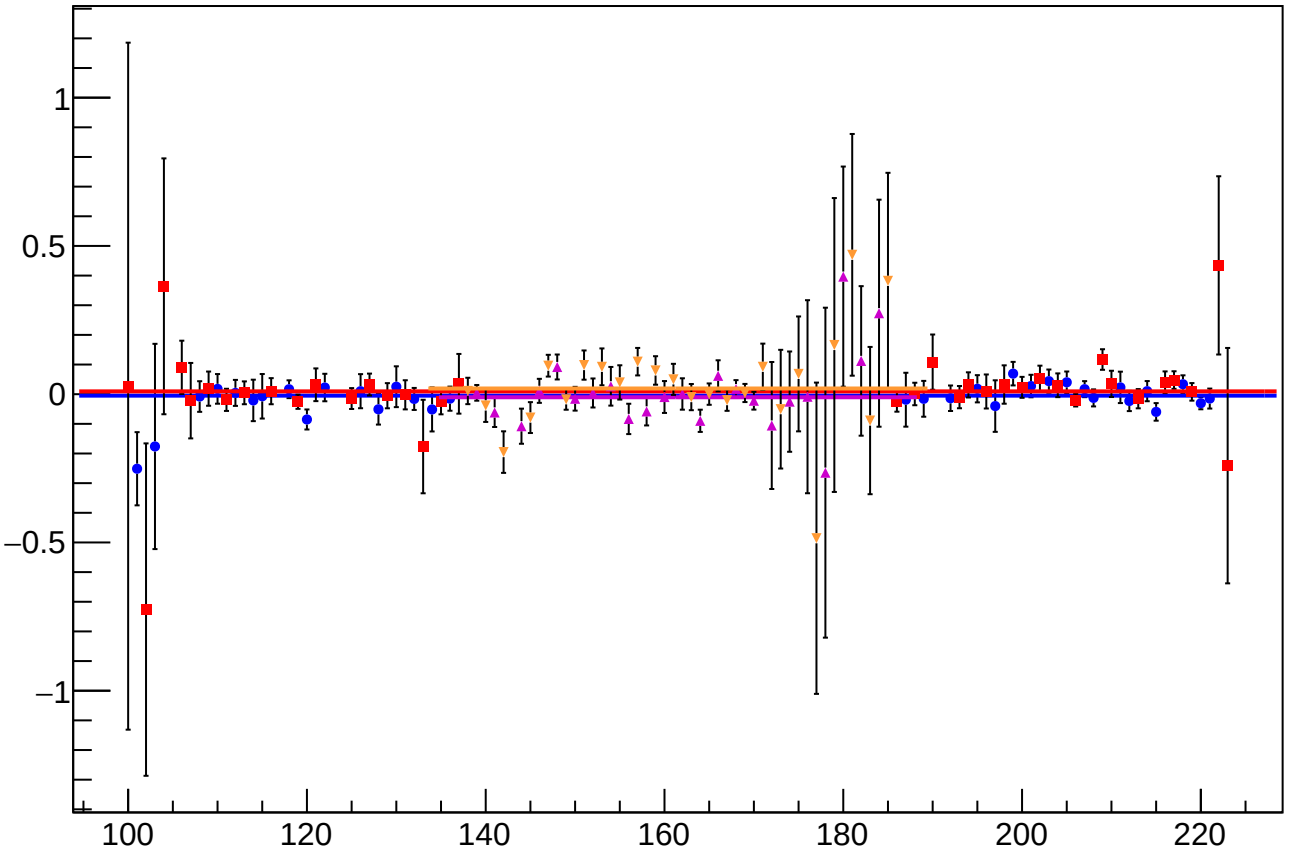
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.001+/-0.000 χ^2/NDF: 48462372.5/70

In: 0.002+/-0.000 χ^2/NDF:31714000.9/56

Out: 0.002+/-0.000 χ^2/NDF:44095054.0/60

All: 0.002+/-0.000 χ^2/NDF: 77367041.1/117



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

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

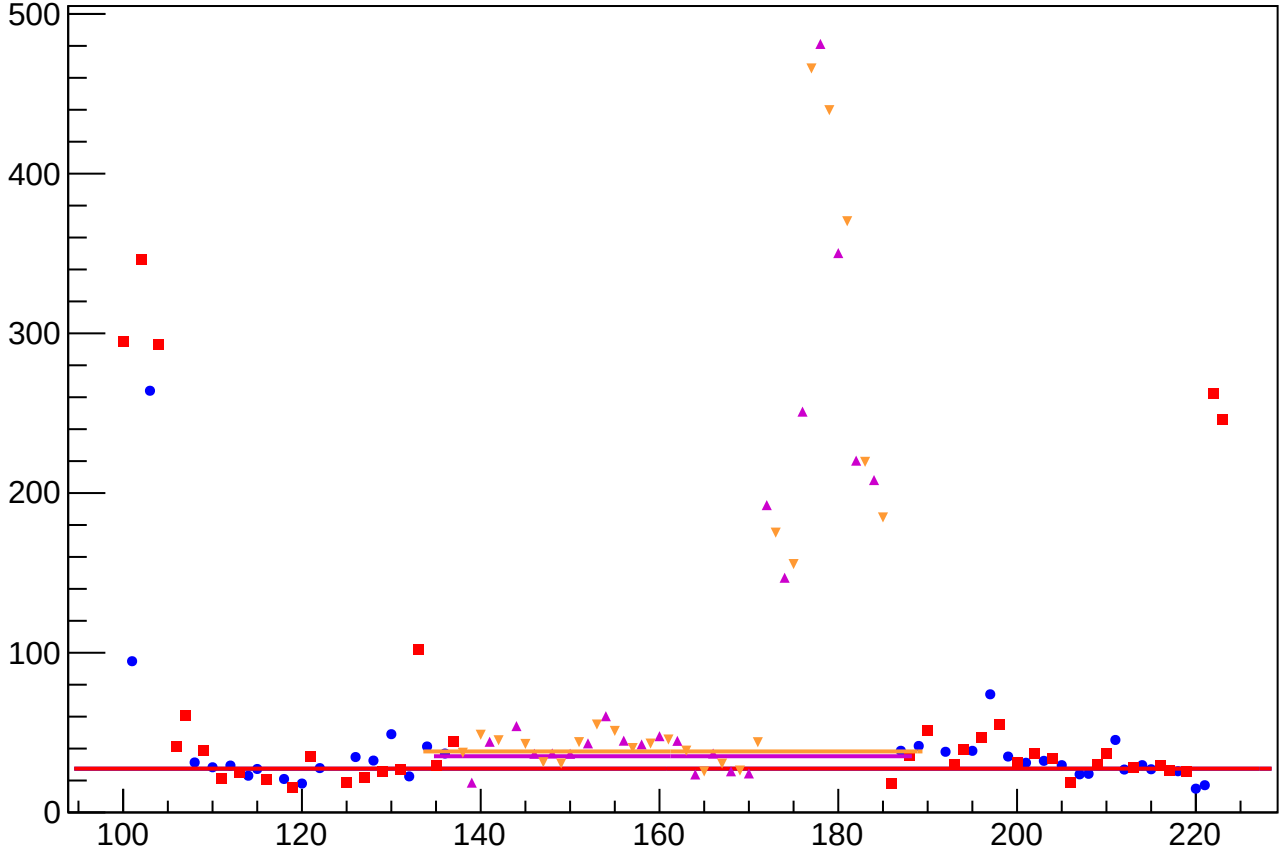
Right: 0.002+/-0.005 χ^2/NDF: 61.8/70

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:67.4/60

All: 0.003+/-0.004 χ^2/NDF: 125.3/117

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

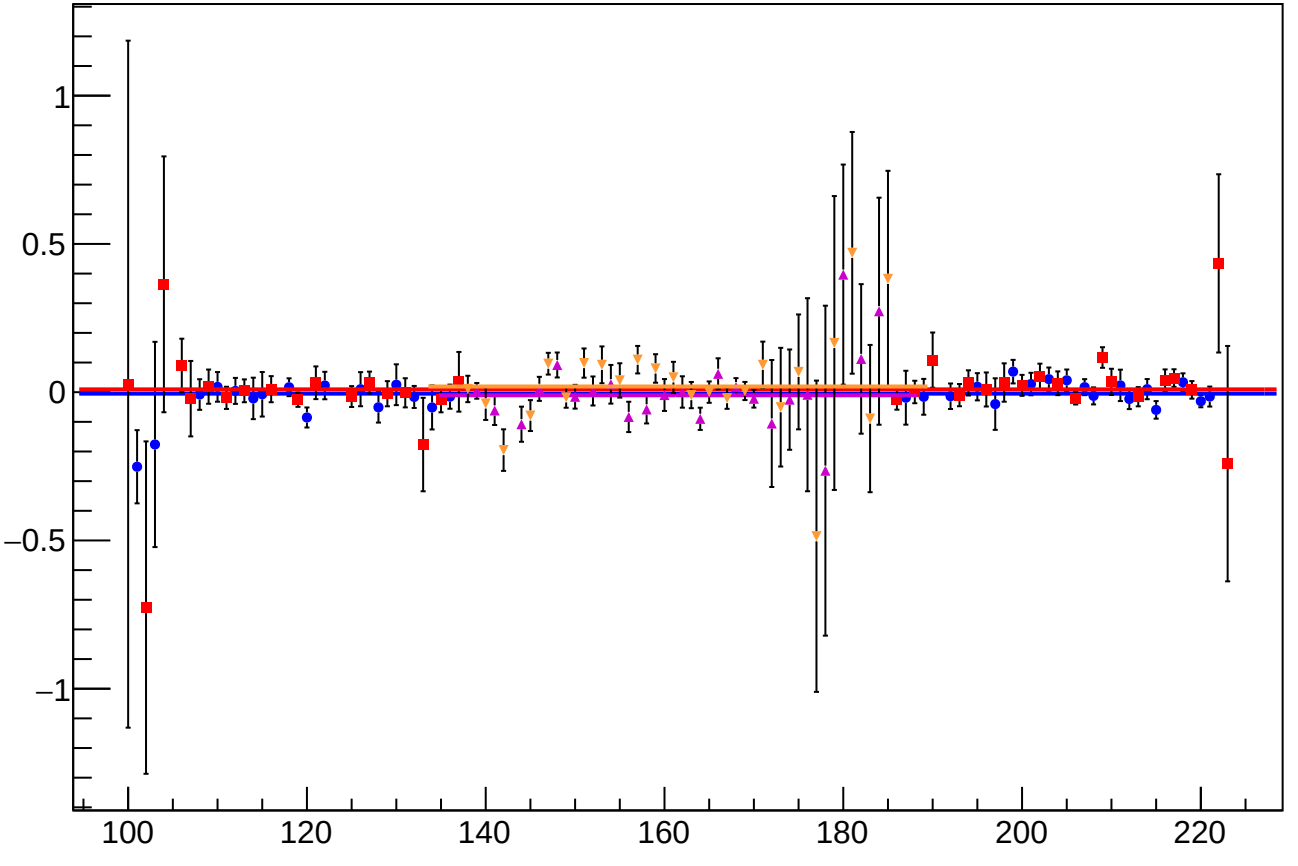
Right: 27.406+/-0.003 χ^2/NDF: 11251452.6/70

In: 29.807+/-0.004 χ^2/NDF:14775892.6/56

Out: 30.591+/-0.004 χ^2/NDF:16357724.7/60

All: 30.190+/-0.003 χ^2/NDF: 31151978.6/117

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

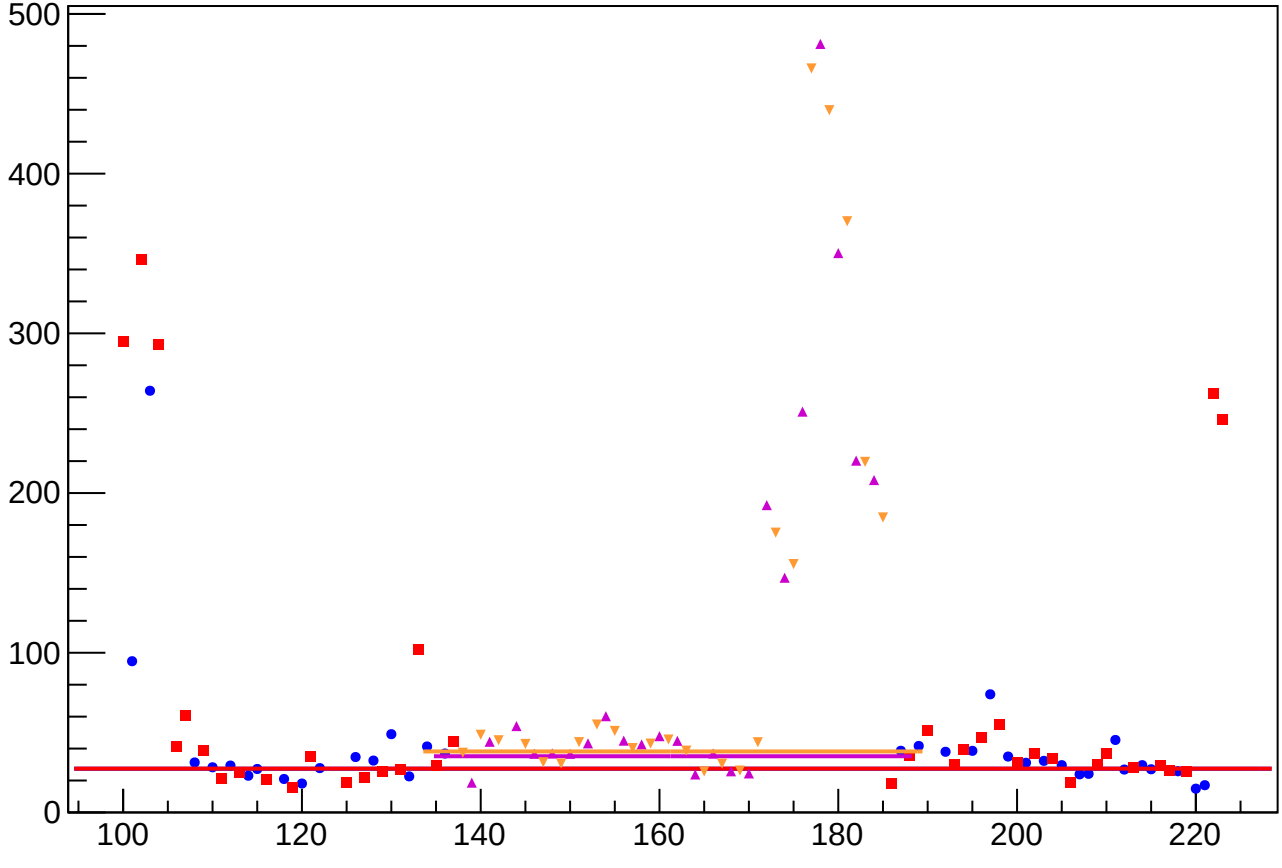
Right: 0.002+/-0.005 χ^2/NDF: 61.8/70

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:67.4/60

All: 0.003+/-0.004 χ^2/NDF: 125.3/117

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

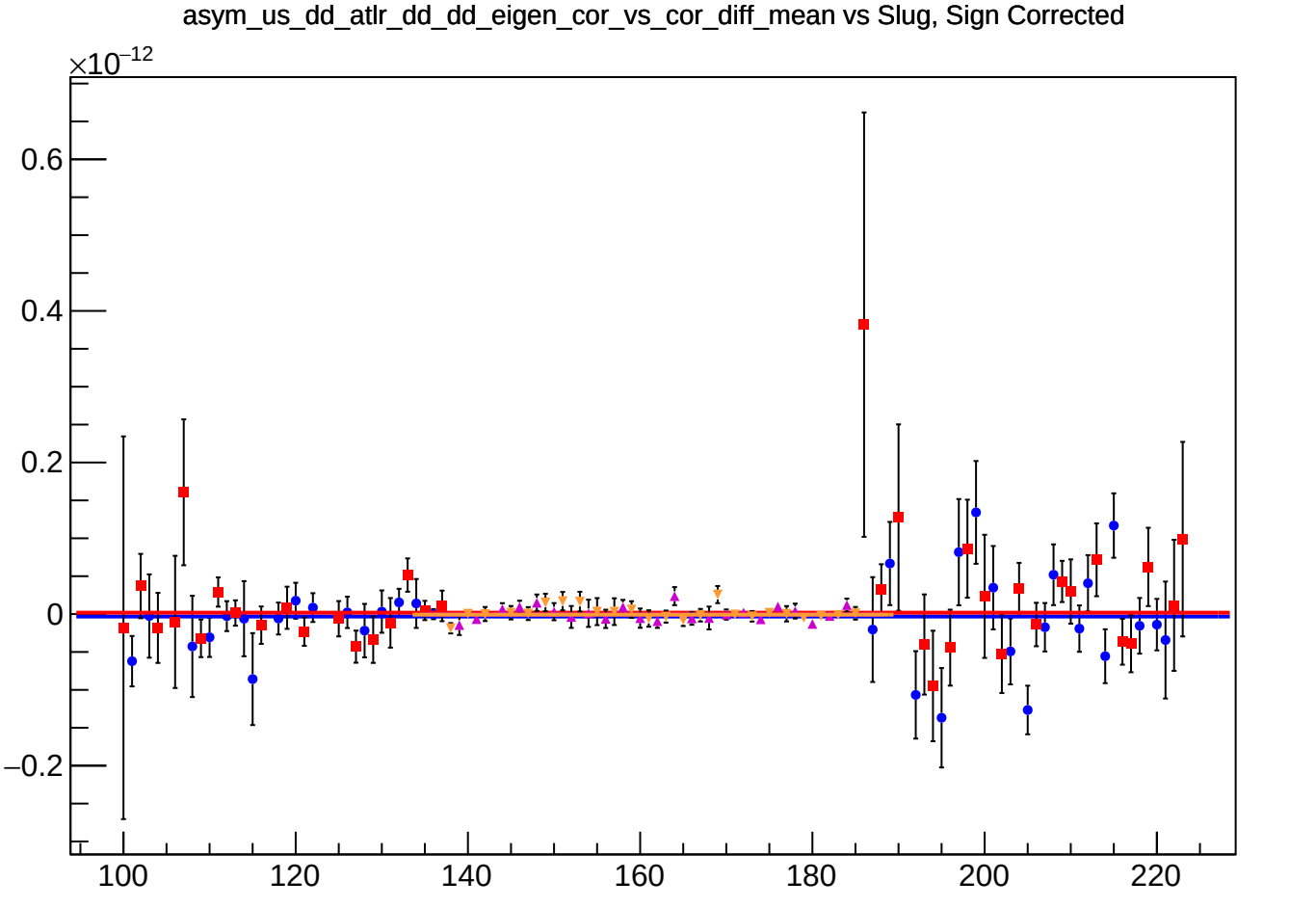
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 27.406+/-0.003 χ^2/NDF: 11251452.6/70

In: 29.807+/-0.004 χ^2/NDF:14775892.6/56

Out: 30.591+/-0.004 χ^2/NDF:16357724.7/60

All: 30.190+/-0.003 χ^2/NDF: 31151978.6/117



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

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

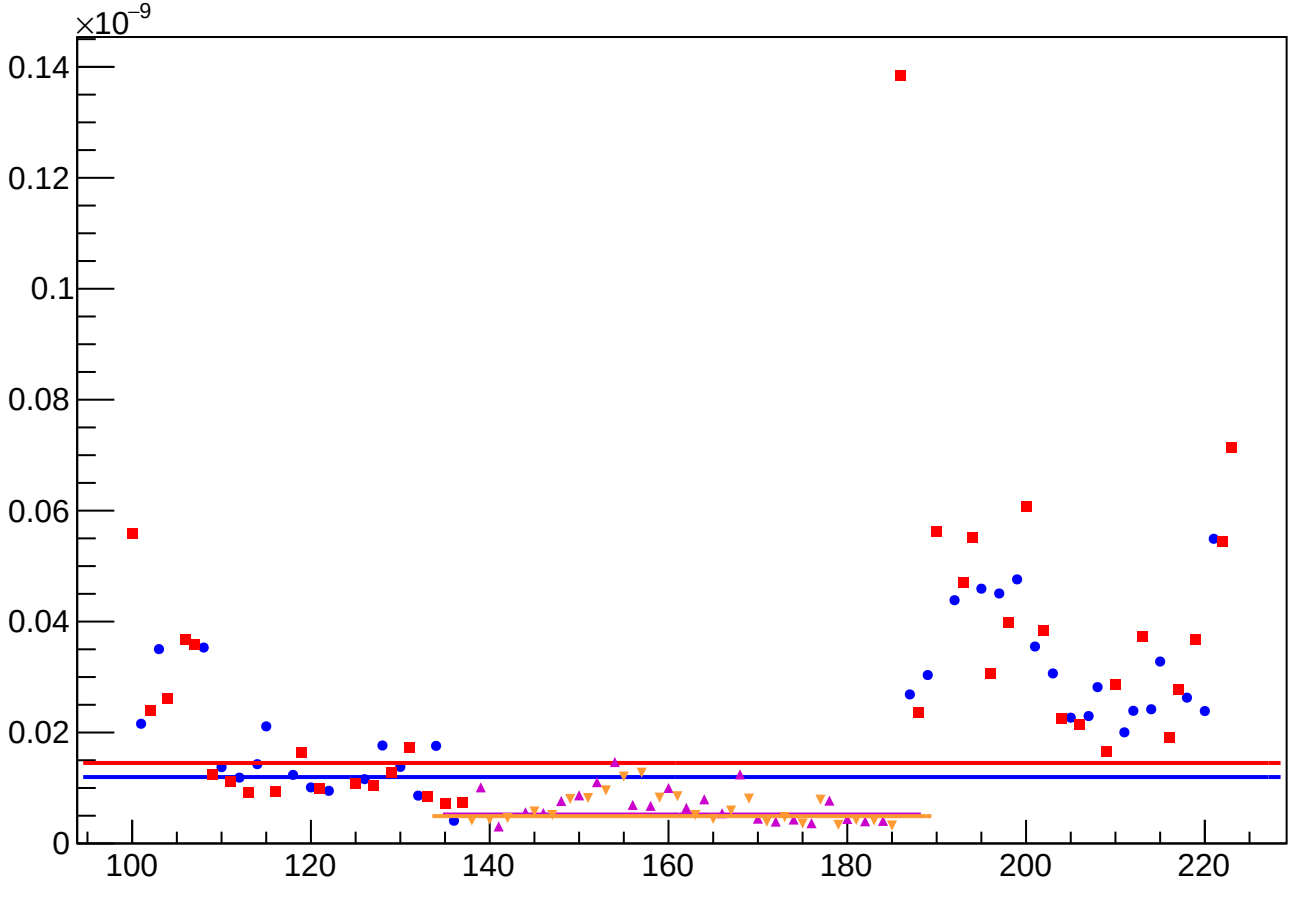
Right: -0.000+/-0.000 χ^2/NDF: 97.1/70

In: -0.000+/-0.000 χ^2/NDF:81.5/56

Out: -0.000+/-0.000 χ^2/NDF:63.0/60

All: -0.000+/-0.000 χ^2/NDF: 144.5/117

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

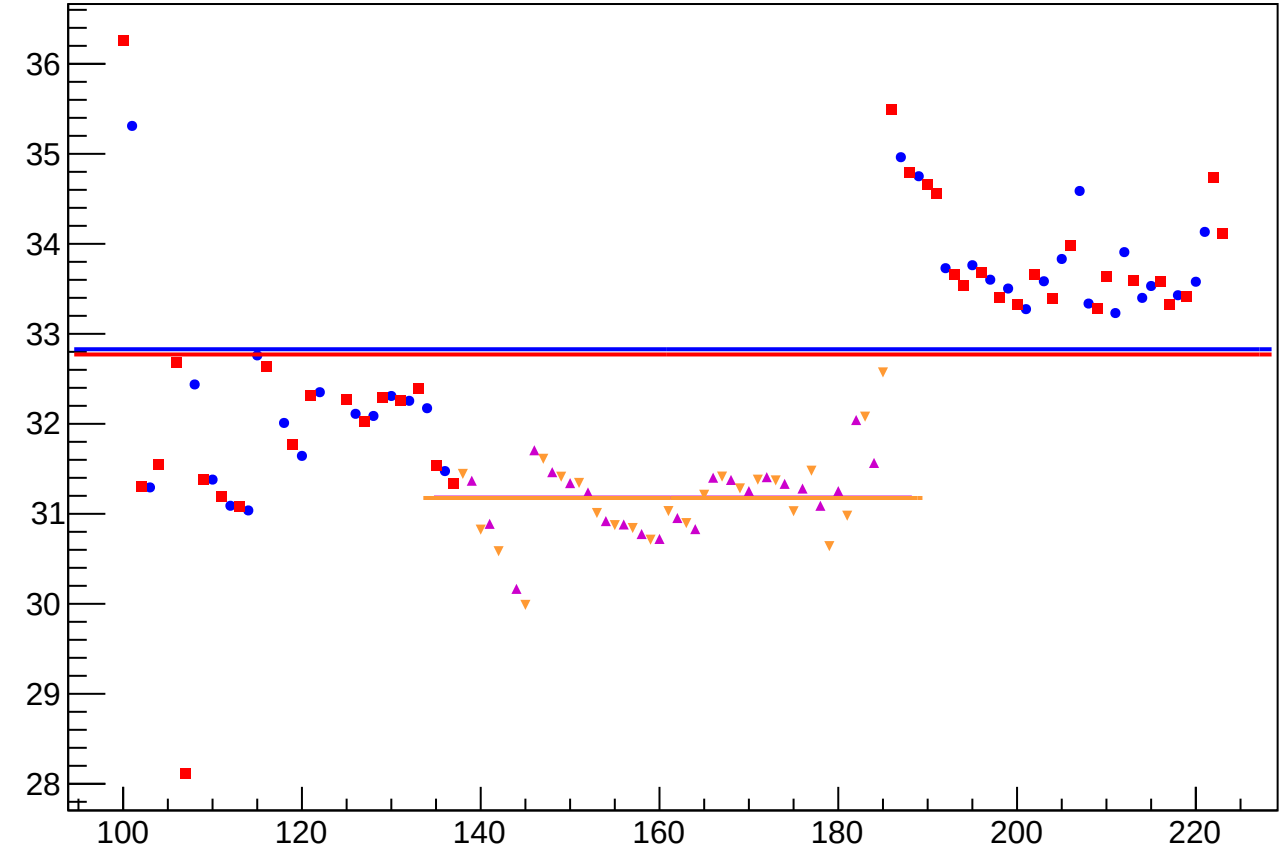
Right: 0.000+/-0.000 χ^2/NDF: 18415837.2/70

In: 0.000+/-0.000 χ^2/NDF:17774074.5/56

Out: 0.000+/-0.000 χ^2/NDF:17544822.1/60

All: 0.000+/-0.000 χ^2/NDF: 35348040.2/117

yield_usl_mean vs Slug, Sign Corrected



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

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

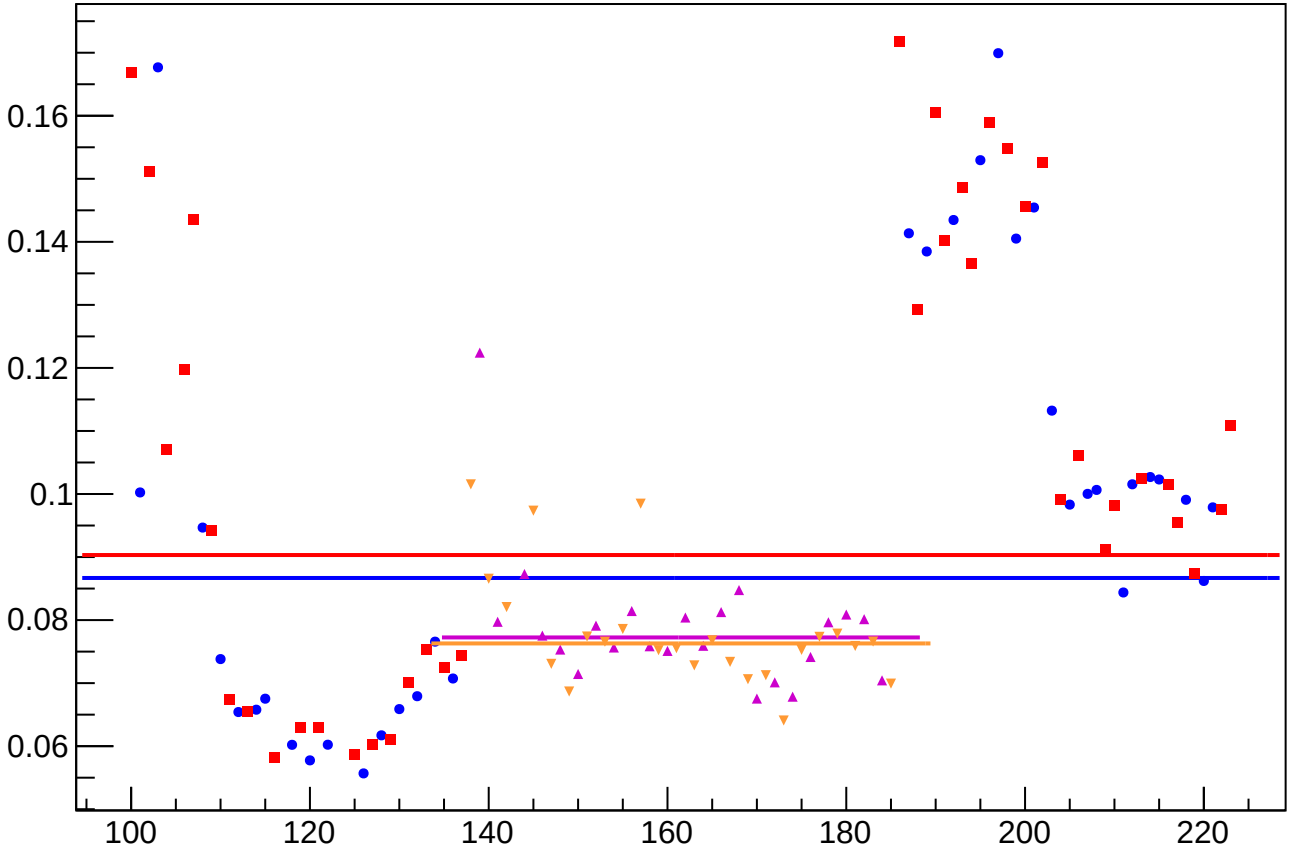
Right: 32.801+/-0.000 χ^2/NDF: 5718477419.8/71

In: 31.969+/-0.000 χ^2/NDF:6797942629.8/56

Out: 31.900+/-0.000 χ^2/NDF:6747759759.9/61

All: 31.935+/-0.000 χ^2/NDF: 13558186884.4

yield_usl_rms vs Slug, Sign Corrected



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

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

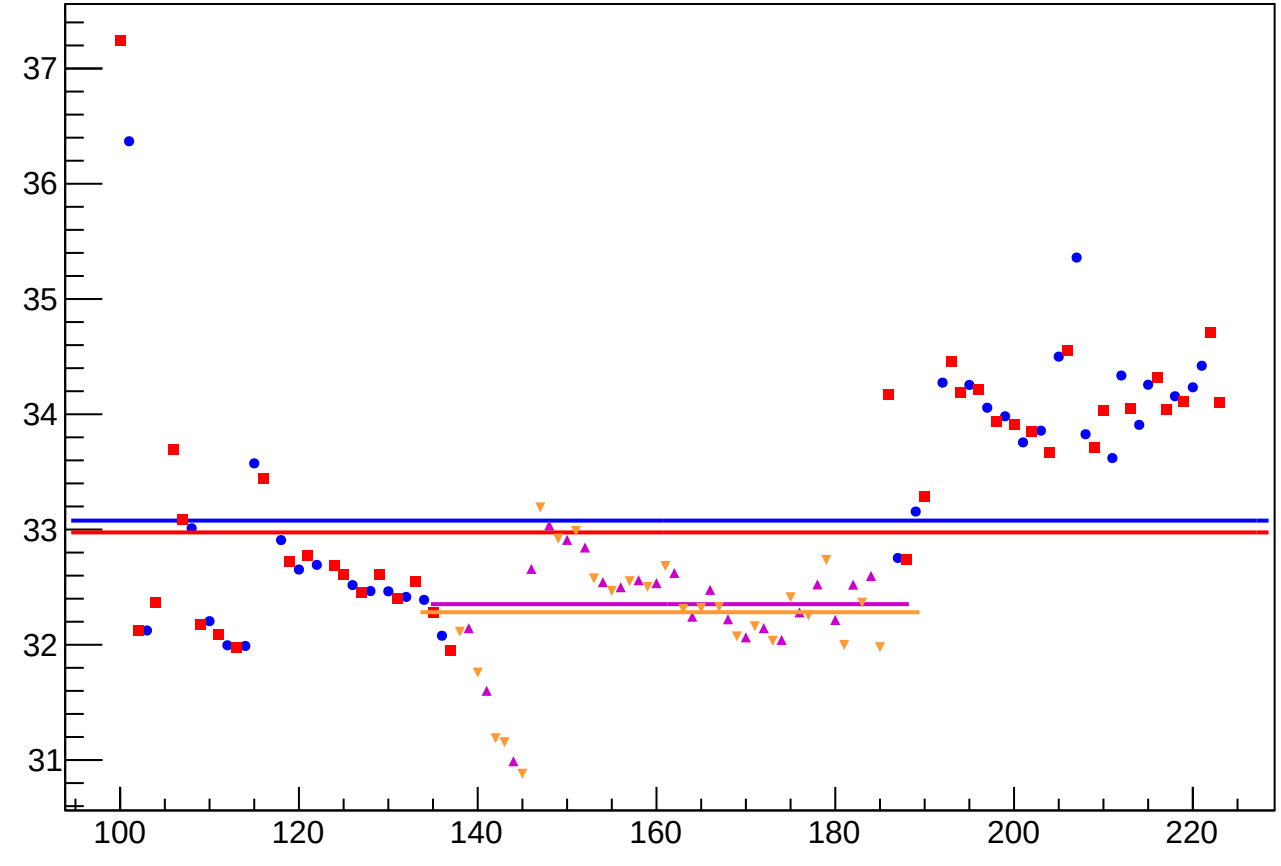
Right: 0.088+/-0.000 χ^2/NDF: 7746456.6/71

In: 0.082+/-0.000 χ^2/NDF:4253752.1/56

Out: 0.083+/-0.000 χ^2/NDF:4932316.5/61

All: 0.082+/-0.000 χ^2/NDF: 9190437.7/118

yield_usr_mean vs Slug, Sign Corrected



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

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

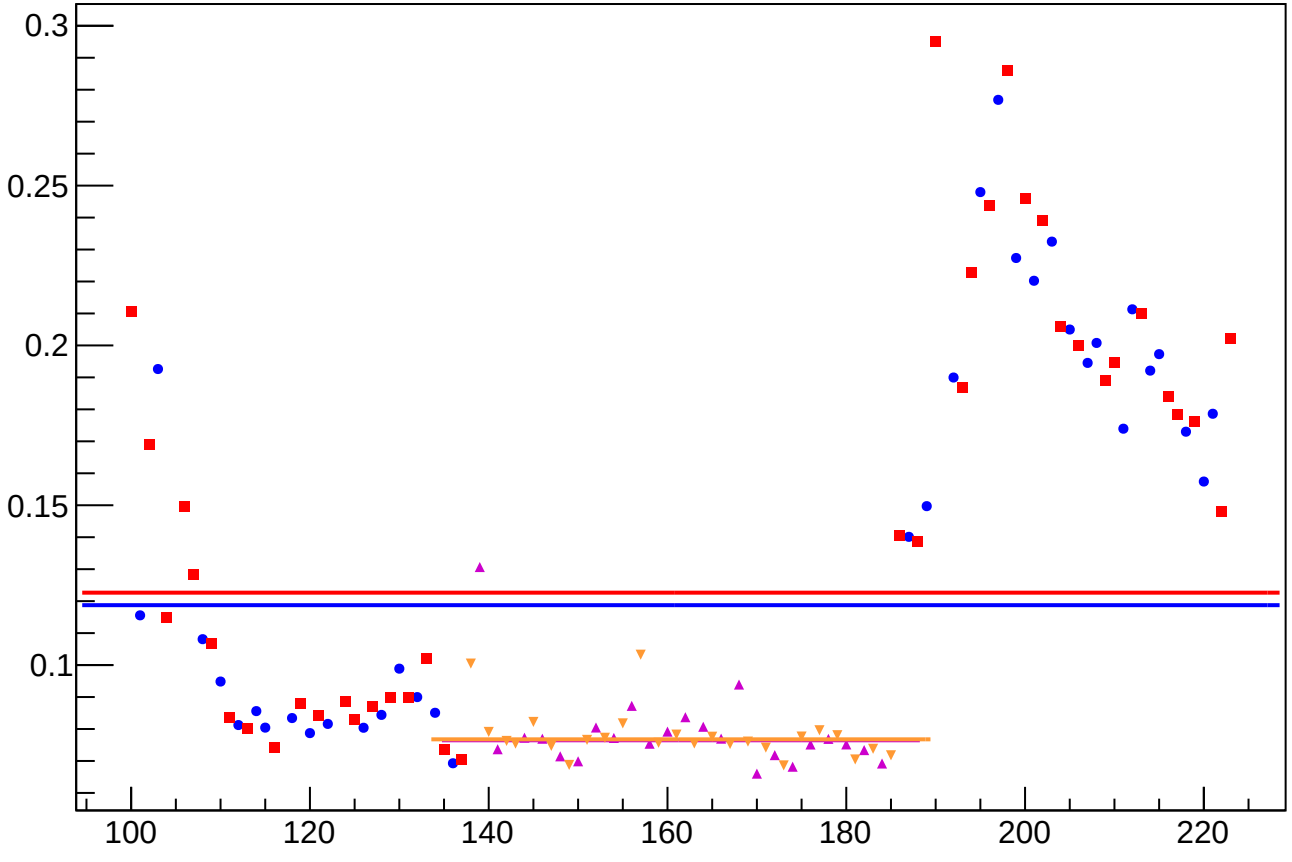
Right: 33.027+/-0.000 χ^2/NDF: 2276088074.1/71

In: 32.568+/-0.000 χ^2/NDF:2434153130.8/56

Out: 32.479+/-0.000 χ^2/NDF:2120980589.4/62

All: 32.523+/-0.000 χ^2/NDF: 4571628954.0/1

yield_usr_rms vs Slug, Sign Corrected



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

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

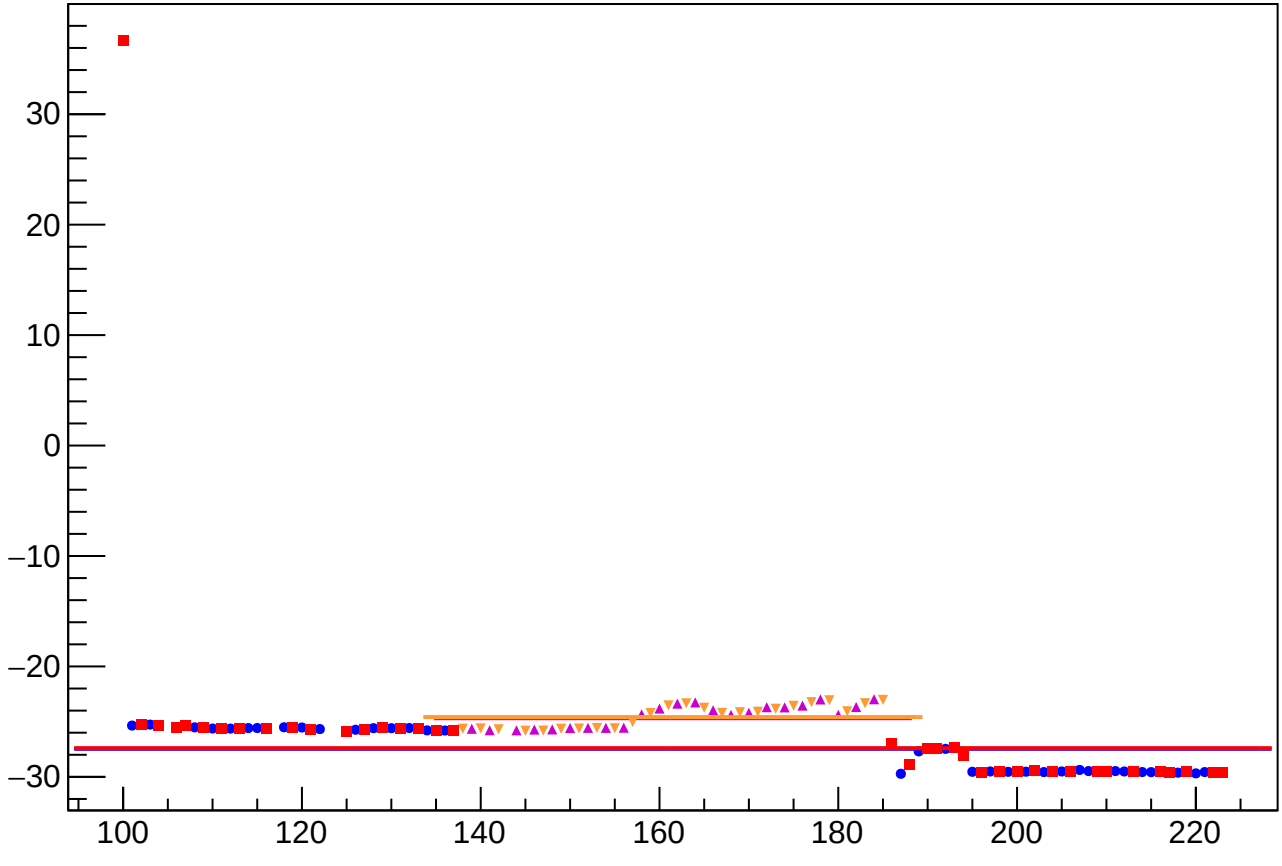
Right: 0.121+/-0.000 χ^2/NDF: 13881435.7/71

In: 0.089+/-0.000 χ^2/NDF:10611008.6/56

Out: 0.090+/-0.000 χ^2/NDF:10617213.0/62

All: 0.089+/-0.000 χ^2/NDF: 21230499.2/119

yield_dsl_mean vs Slug, Sign Corrected



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

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

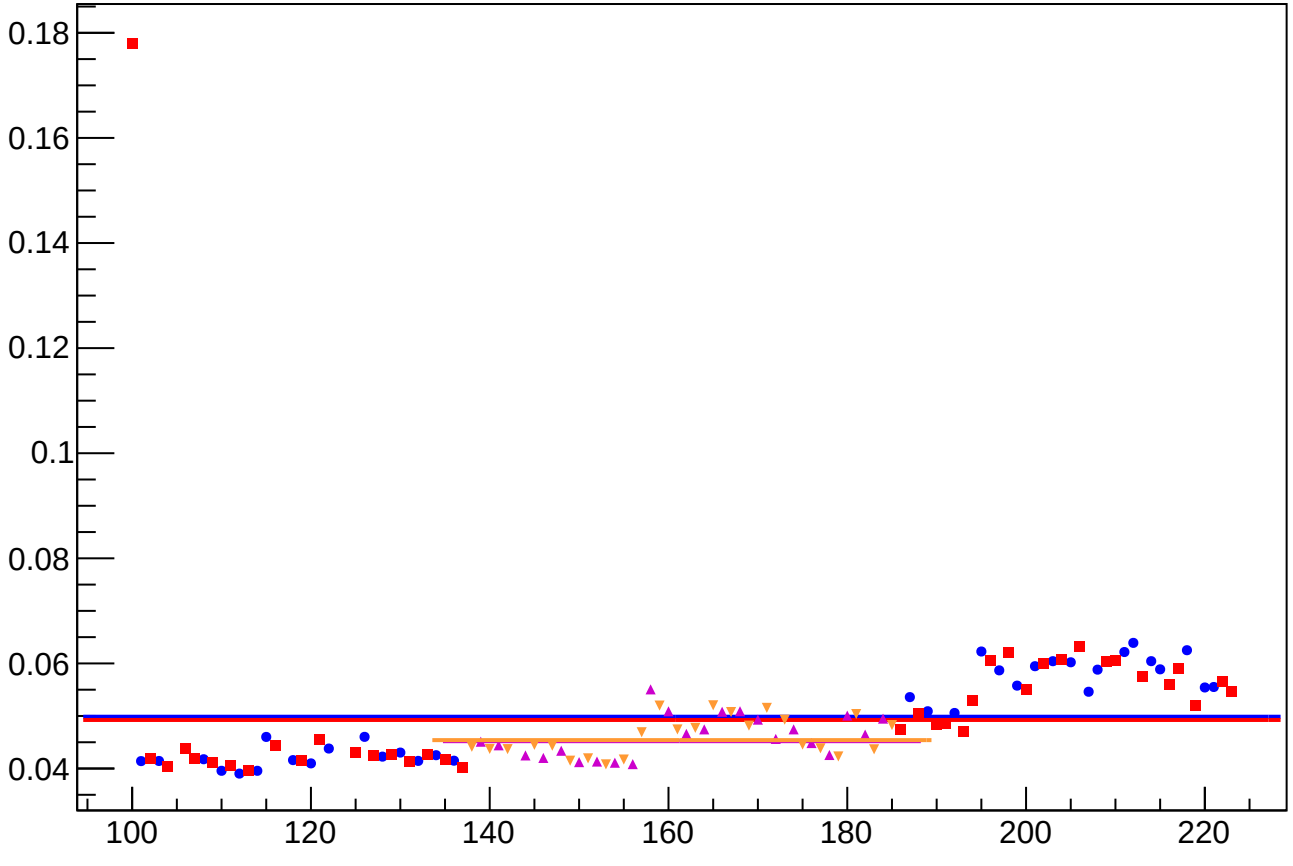
Right: -27.428+/-0.000 χ^2/NDF: 69626823612.4/71

In: -26.041+/-0.000 χ^2/NDF:71928148043.3/56

Out: -26.007+/-0.000 χ^2/NDF:83178215202.6/61

All: -26.024+/-0.000 χ^2/NDF: 155116810874

yield_dsl_rms vs Slug, Sign Corrected



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

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

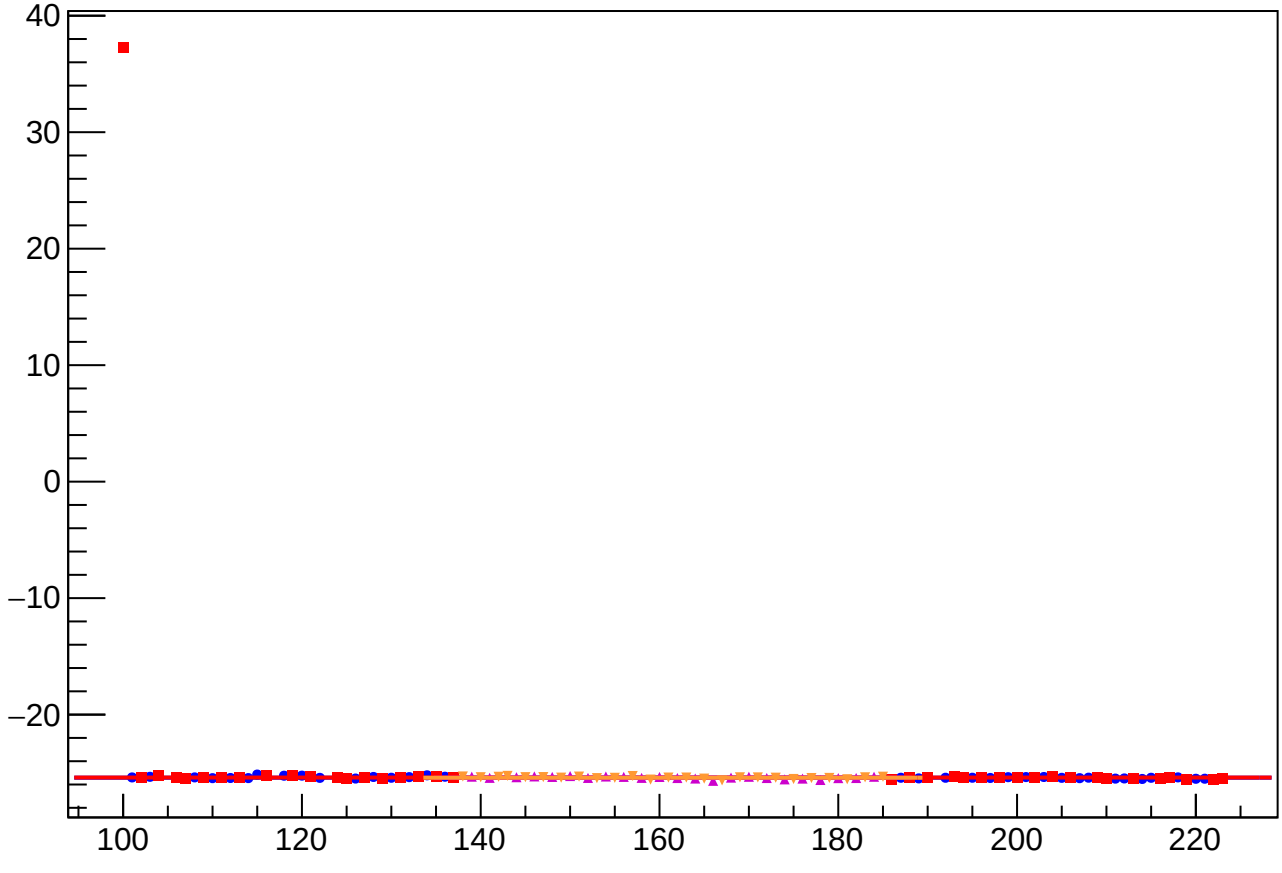
Right: 0.050+/-0.000 χ^2/NDF: 2375456.0/71

In: 0.047+/-0.000 χ^2/NDF:1641485.0/56

Out: 0.047+/-0.000 χ^2/NDF:1495302.3/61

All: 0.047+/-0.000 χ^2/NDF: 3137145.4/118

yield_dsr_mean vs Slug, Sign Corrected



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

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

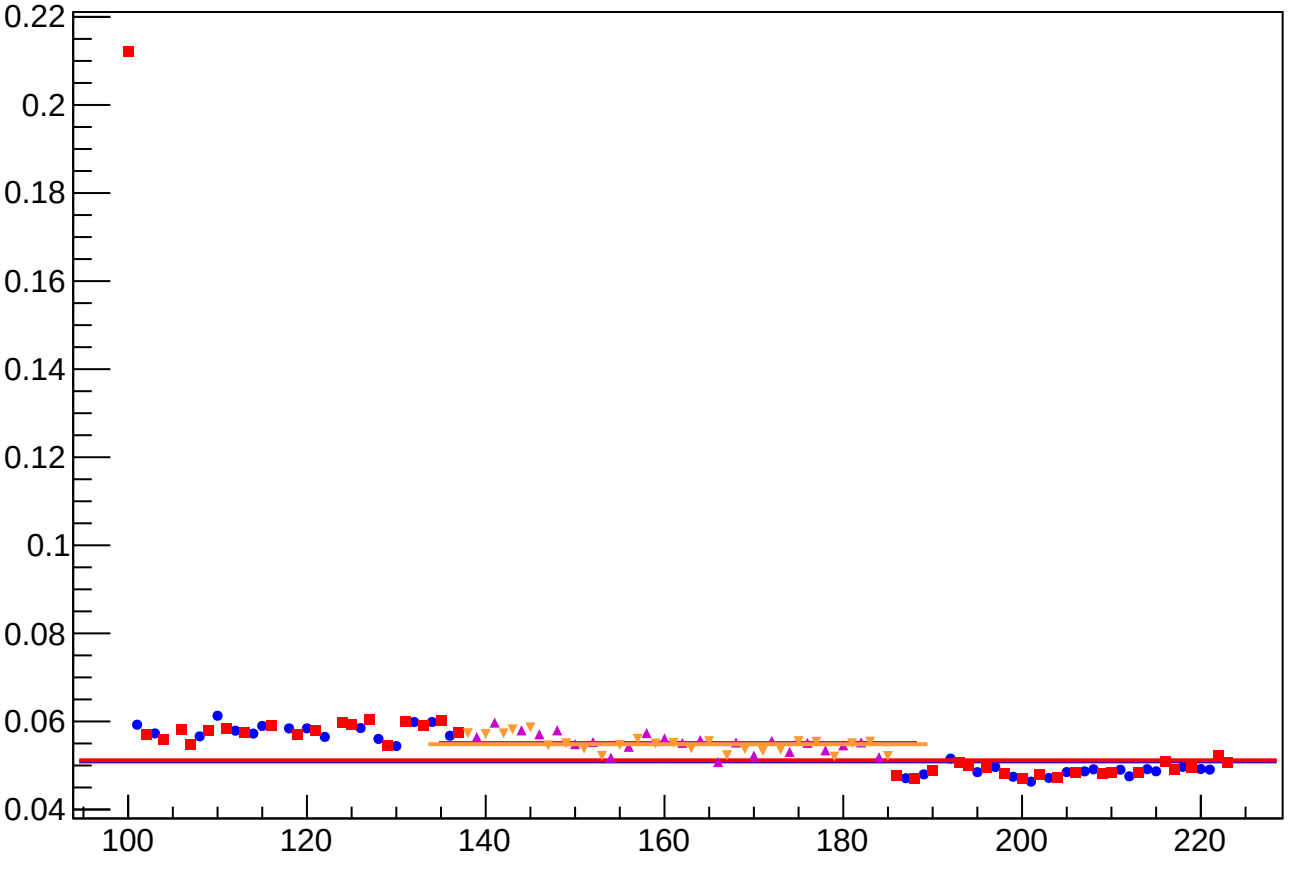
Right: -25.410+/-0.000 χ^2/NDF: 6402381217.3/71

In: -25.416+/-0.000 χ^2/NDF:94404433.6/56

Out: -25.409+/-0.000 χ^2/NDF:6415940469.5/62

All: -25.412+/-0.000 χ^2/NDF: 6510717005.3/

yield_dsr_rms vs Slug, Sign Corrected



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

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

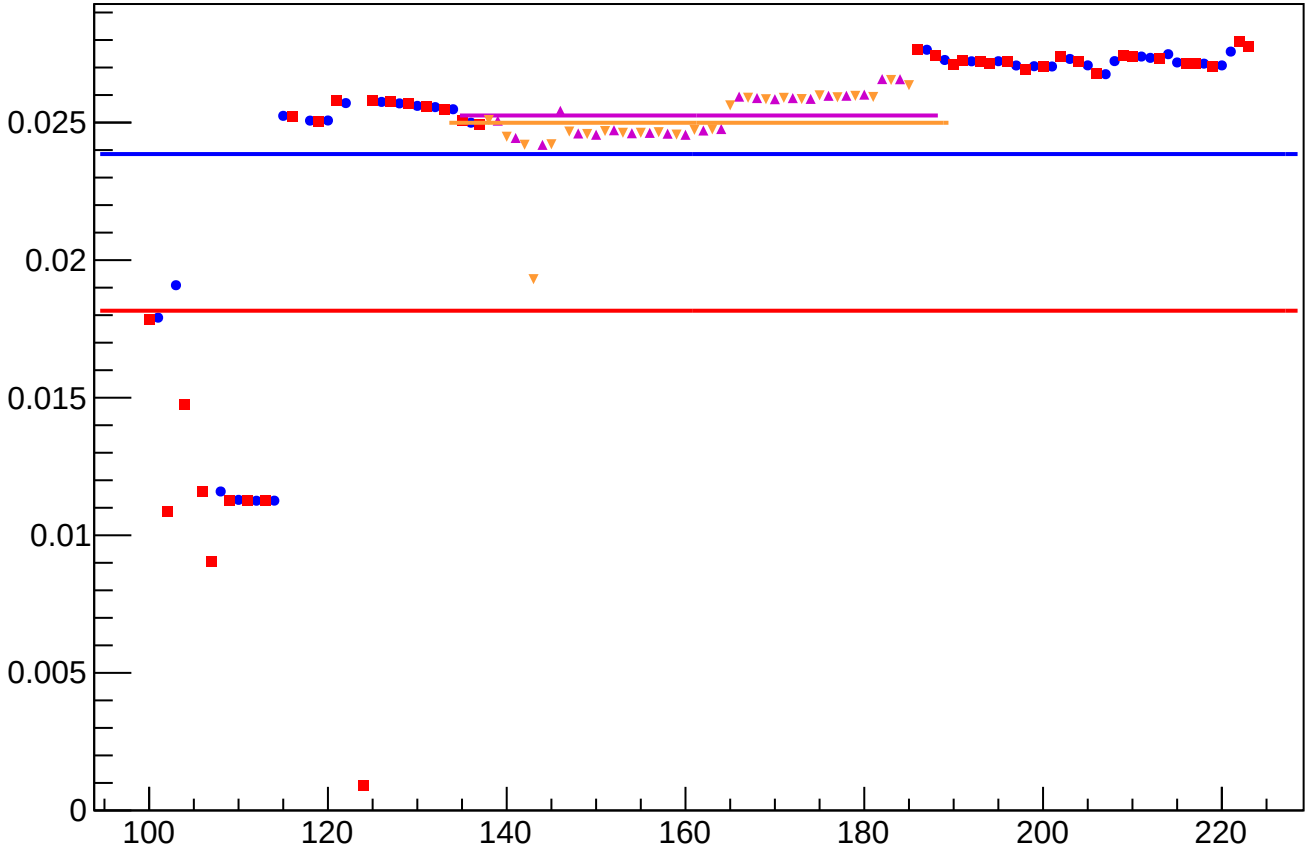
Right: 0.051+/-0.000 χ^2/NDF: 668272.6/71

In: 0.053+/-0.000 χ^2/NDF:456340.1/56

Out: 0.053+/-0.000 χ^2/NDF:515200.6/62

All: 0.053+/-0.000 χ^2/NDF: 971598.2/119

yield_atl1_mean vs Slug, Sign Corrected



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

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

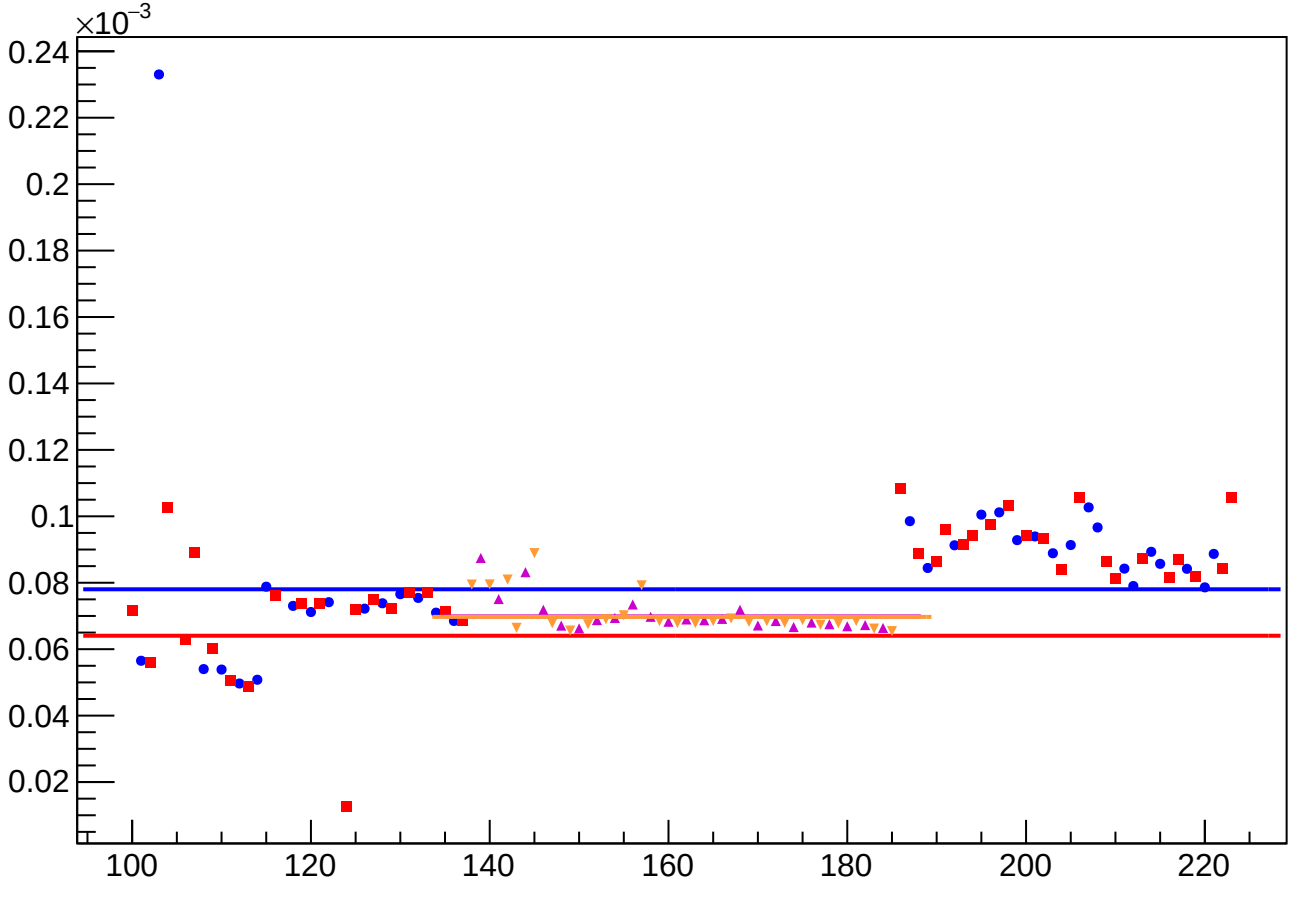
Right: 0.021+/-0.000 χ^2/NDF: 691146384575.0/72

In: 0.025+/-0.000 χ^2/NDF:112396255951.0/56

Out: 0.021+/-0.000 χ^2/NDF:626397481089.7/63

All: 0.023+/-0.000 χ^2/NDF: 778058572911.0

yield_atl1_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

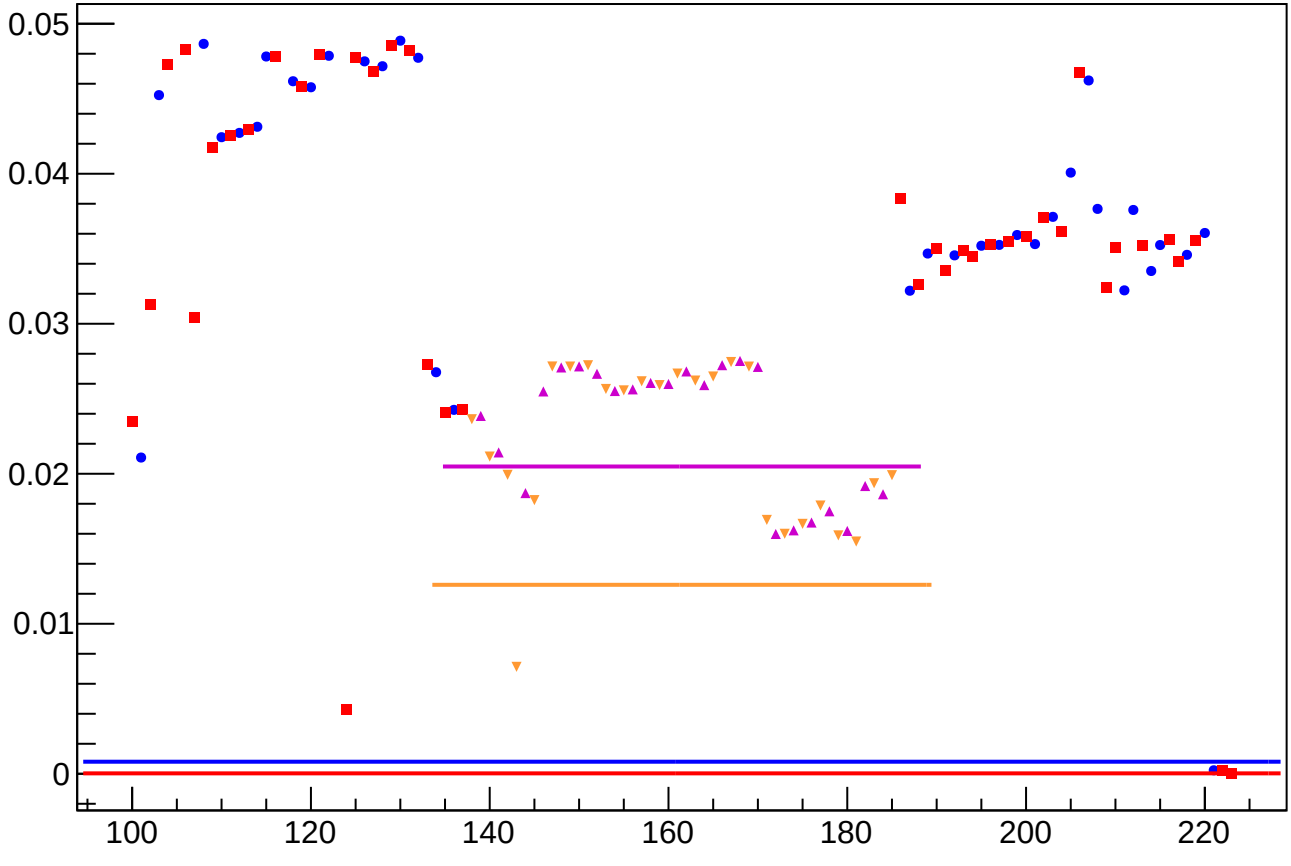
Right: 0.000+/-0.000 χ^2/NDF: 11070659.4/72

In: 0.000+/-0.000 χ^2/NDF:2377205.7/56

Out: 0.000+/-0.000 χ^2/NDF:8656573.9/63

All: 0.000+/-0.000 χ^2/NDF: 11412211.4/120

yield_atl2_mean vs Slug, Sign Corrected



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

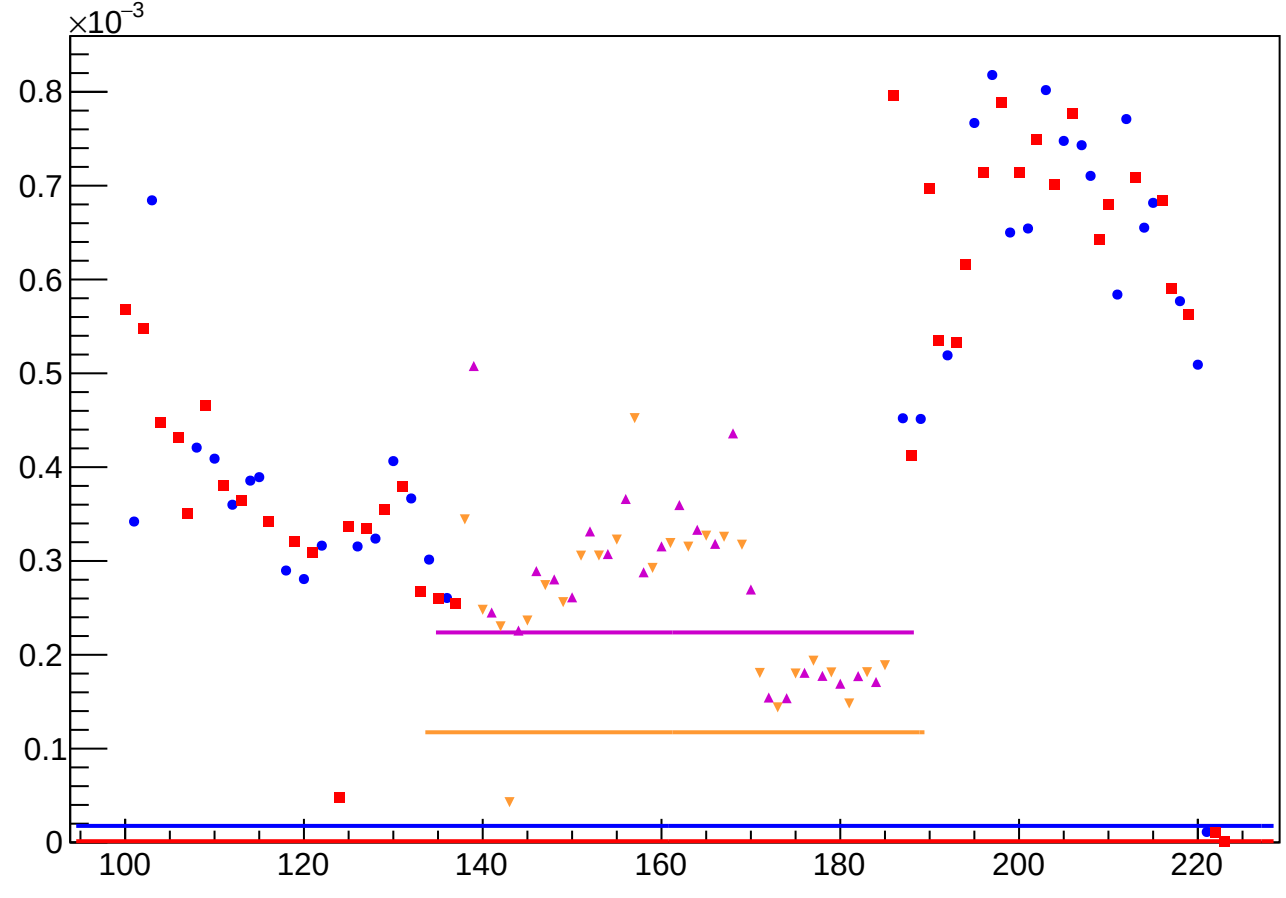
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.000+/-0.000 χ^2/NDF: 268855833506.7/72

In: 0.002+/-0.000 χ^2/NDF:249504741909.4/56

Out: 0.000+/-0.000 χ^2/NDF:288980520957.3/63

All: 0.000+/-0.000 χ^2/NDF: 555419944094.4



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

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

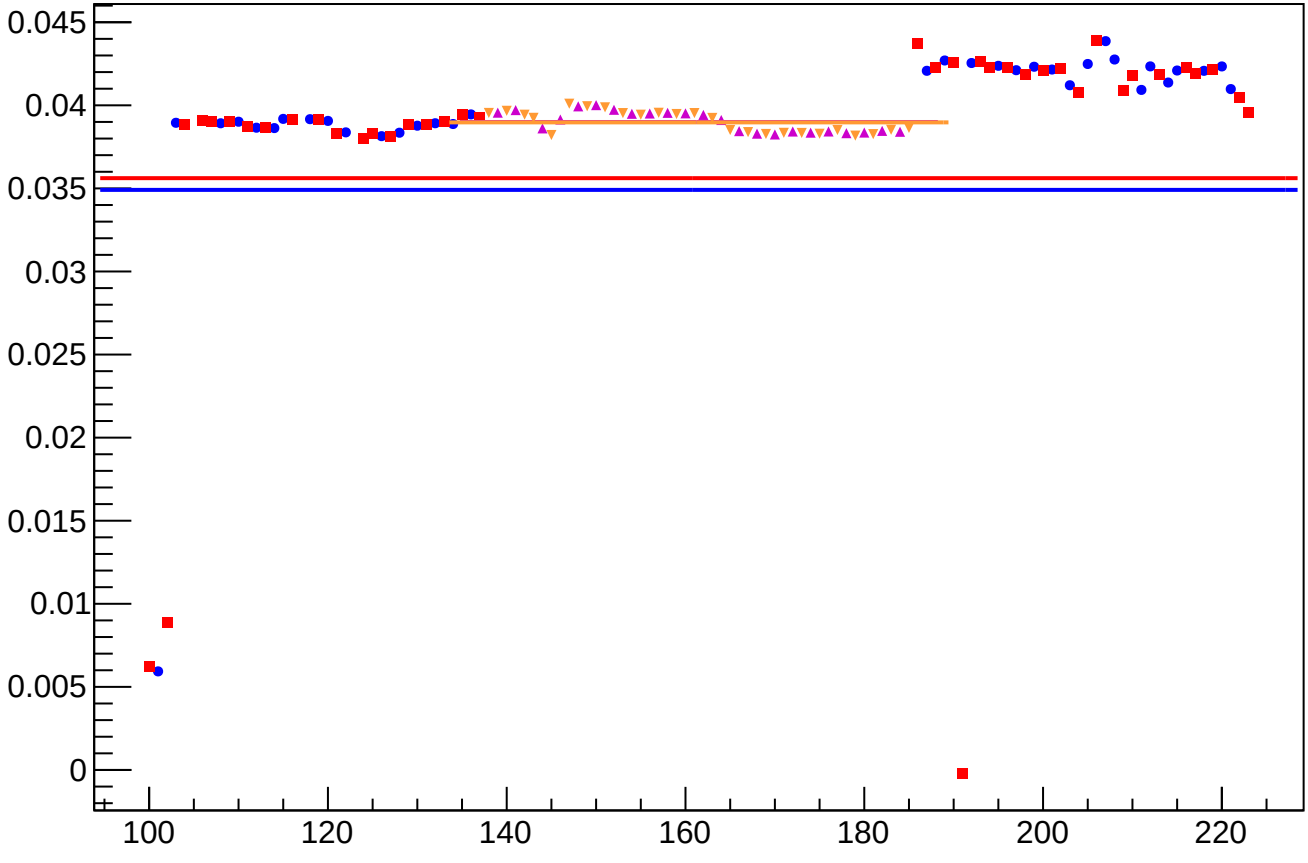
Right: 0.000+/-0.000 χ^2/NDF: 81364386.7/72

In: 0.000+/-0.000 χ^2/NDF:64816788.3/56

Out: 0.000+/-0.000 χ^2/NDF:75881178.9/63

All: 0.000+/-0.000 χ^2/NDF: 148736658.4/120

yield_atr1_mean vs Slug, Sign Corrected



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

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

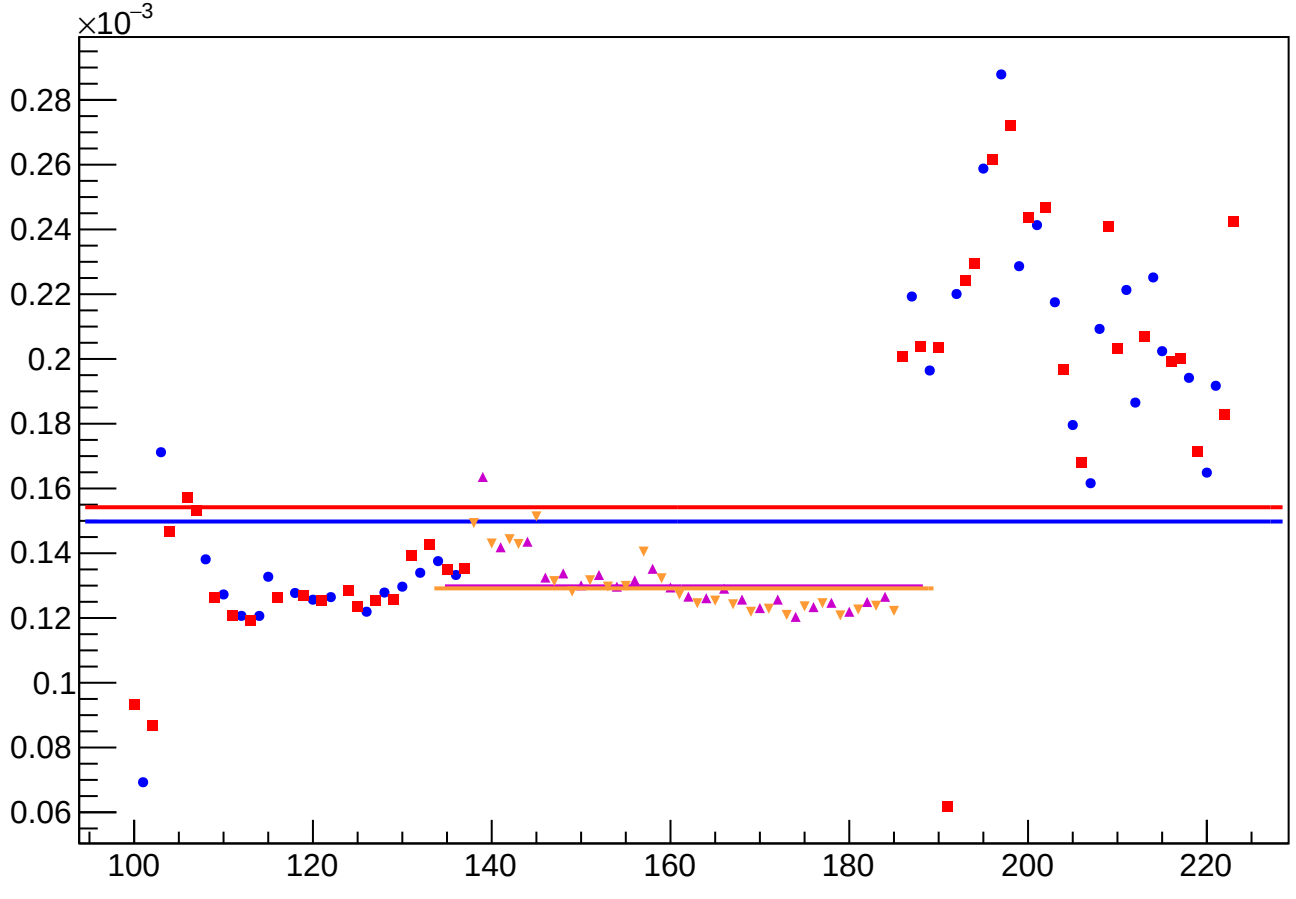
Right: 0.035+/-0.000 χ^2/NDF: 265000314557.9/72

In: 0.037+/-0.000 χ^2/NDF:147435569664.9/56

Out: 0.038+/-0.000 χ^2/NDF:131516674729.1/63

All: 0.037+/-0.000 χ^2/NDF: 279086663746.8

yield_atr1_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

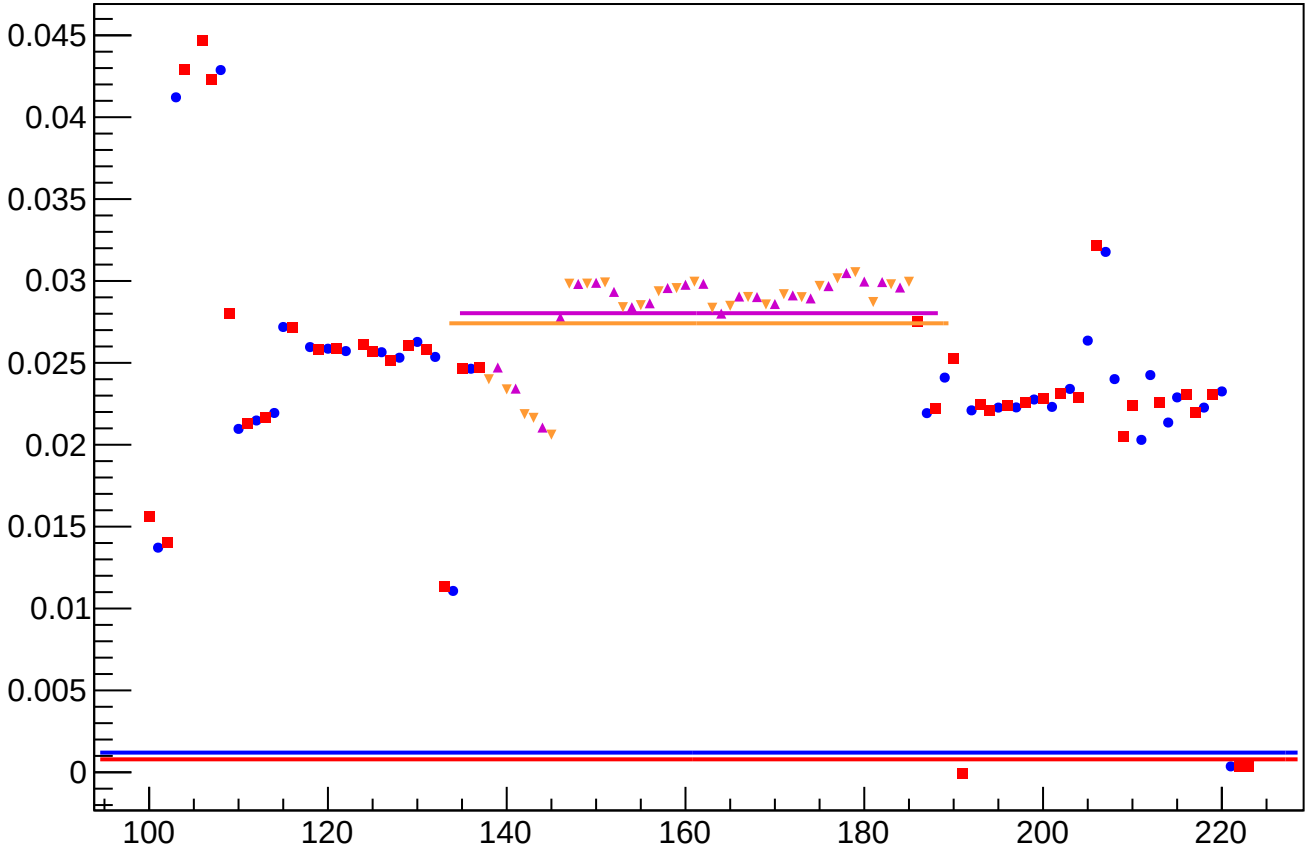
Right: 0.000+/-0.000 χ^2/NDF: 8910050.5/72

In: 0.000+/-0.000 χ^2/NDF:5098183.0/56

Out: 0.000+/-0.000 χ^2/NDF:5074825.9/63

All: 0.000+/-0.000 χ^2/NDF: 10175266.0/120

yield_atr2_mean vs Slug, Sign Corrected



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

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

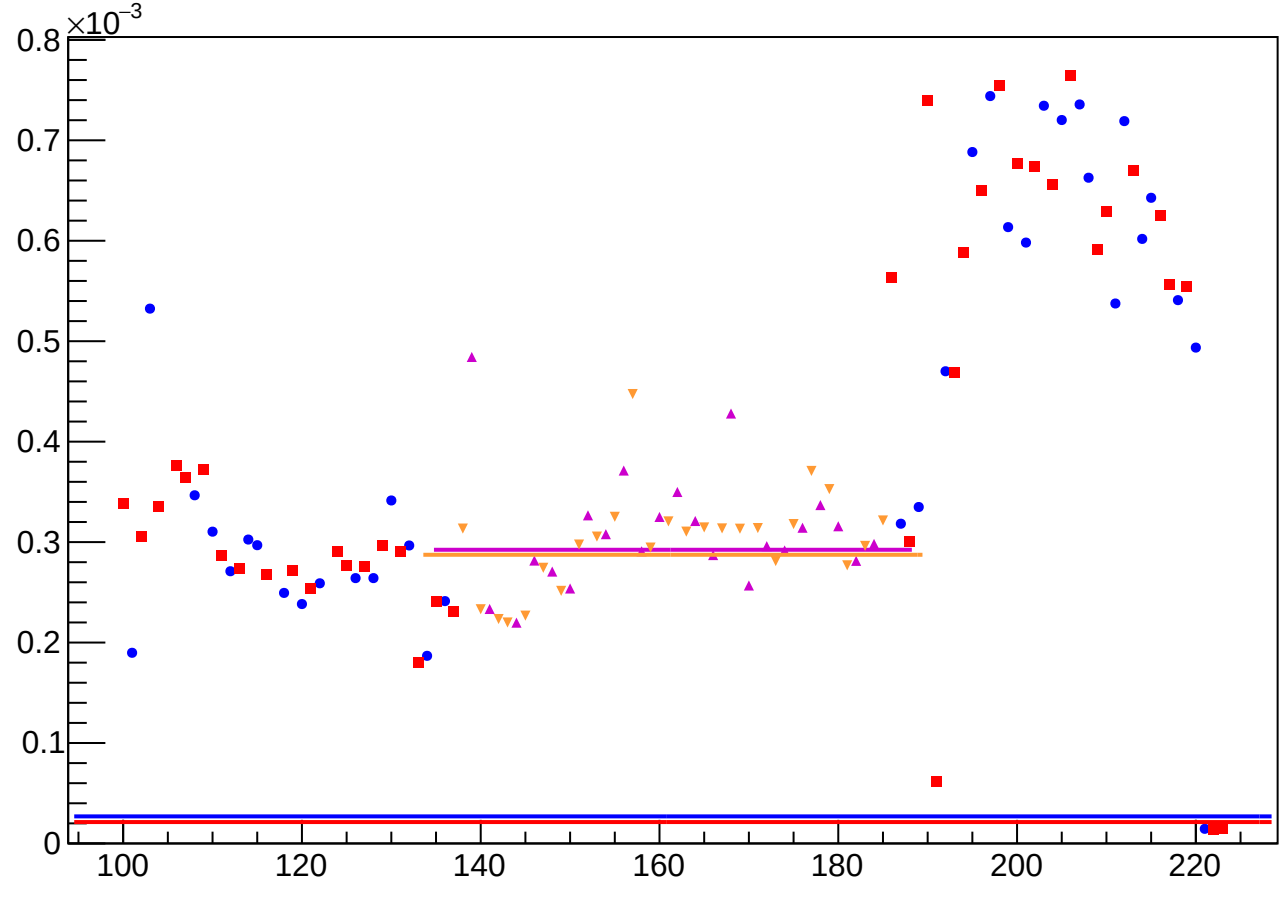
Right: 0.001+/-0.000 χ^2/NDF: 144260509134.5/72

In: 0.003+/-0.000 χ^2/NDF:203175507627.2/56

Out: 0.002+/-0.000 χ^2/NDF:218873647990.8/63

All: 0.002+/-0.000 χ^2/NDF: 424456391542.0

yield_atr2_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

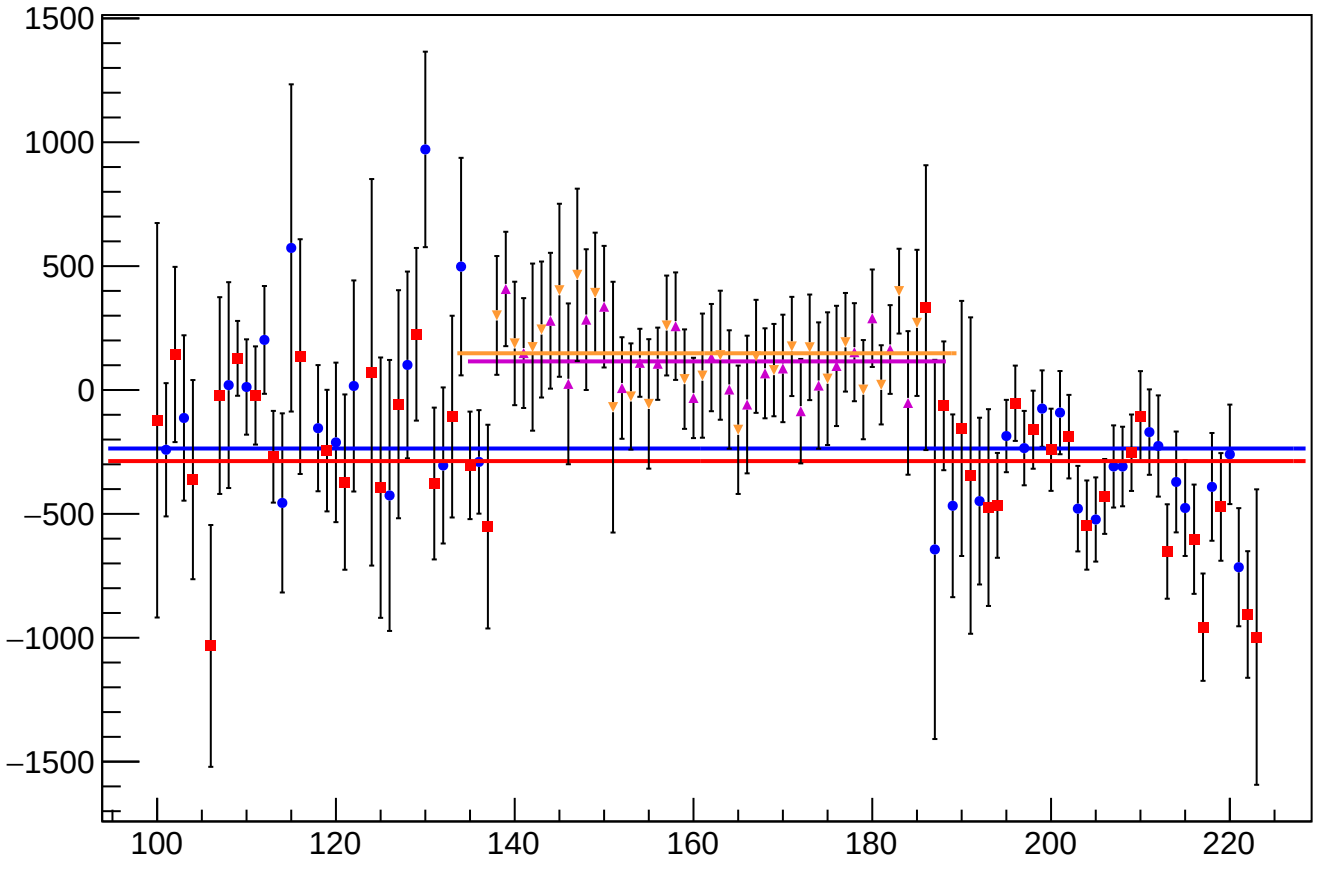
Right: 0.000+/-0.000 χ^2/NDF: 71882976.6/72

In: 0.000+/-0.000 χ^2/NDF:62152833.1/56

Out: 0.000+/-0.000 χ^2/NDF:65665292.2/63

All: 0.000+/-0.000 χ^2/NDF: 128445365.6/120

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -236.124+/-38.514 χ^2/NDF: 36.7/33

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -286.940+/-38.363 χ^2/NDF: 51.5/38

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

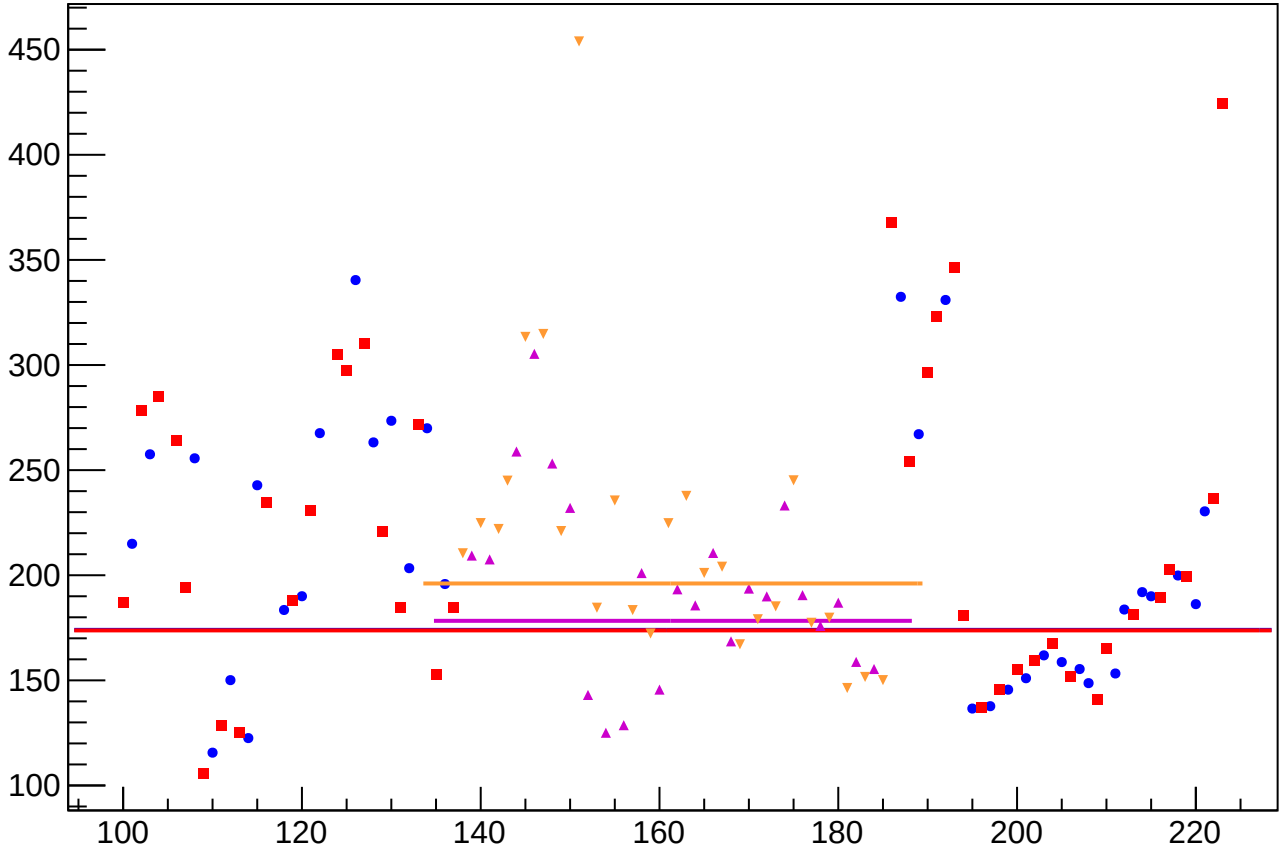
Right: -261.632+/-27.180 χ^2/NDF: 89.1/72

In: -81.884+/-28.856 χ^2/NDF:81.0/56

Out: -109.409+/-29.520 χ^2/NDF:114.4/63

All: -95.334+/-20.635 χ^2/NDF: 195.9/120

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

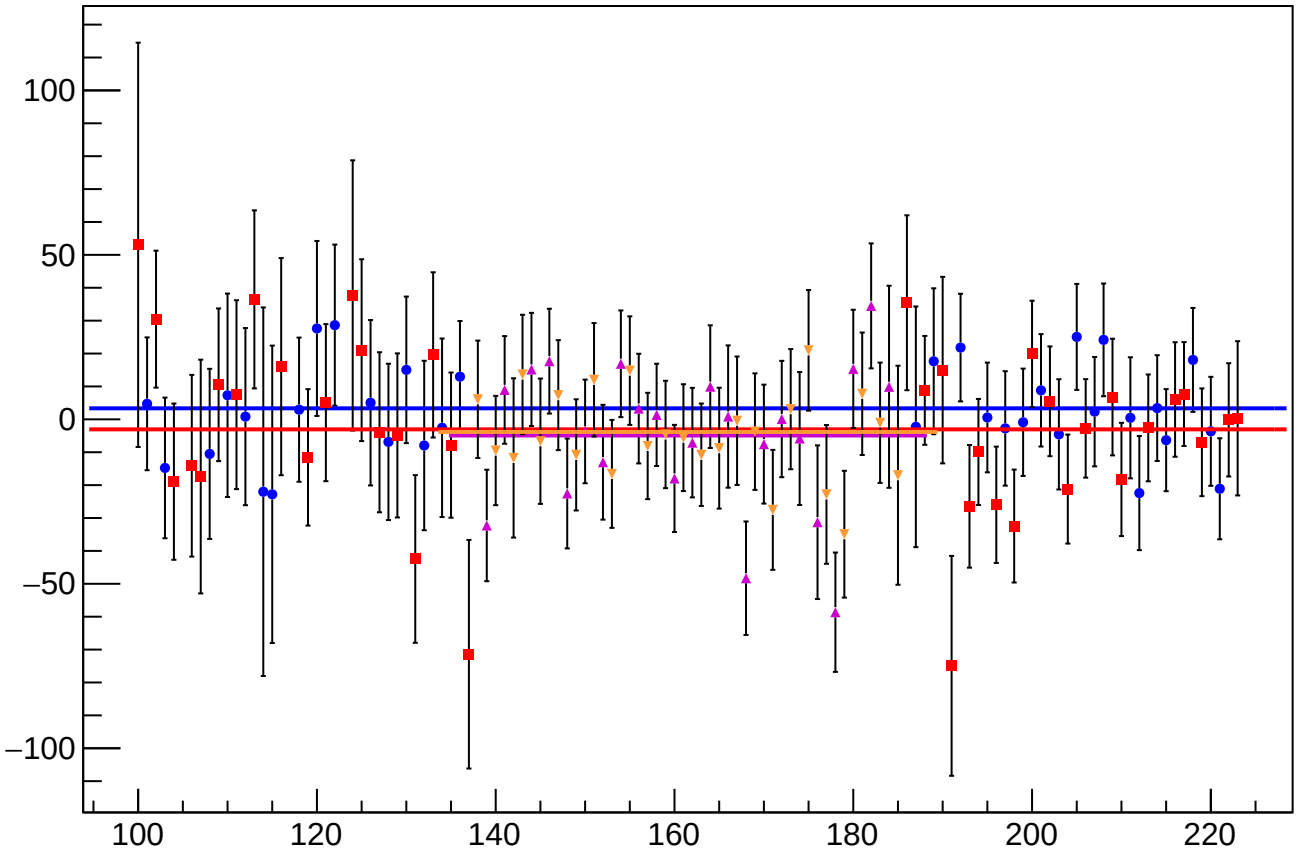
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 173.891+/-0.019 χ^2/NDF: 6089561.8/72

In: 175.904+/-0.020 χ^2/NDF:4184949.5/56

Out: 182.870+/-0.021 χ^2/NDF:5688545.0/63

All: 179.308+/-0.015 χ^2/NDF: 9930437.9/120



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

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

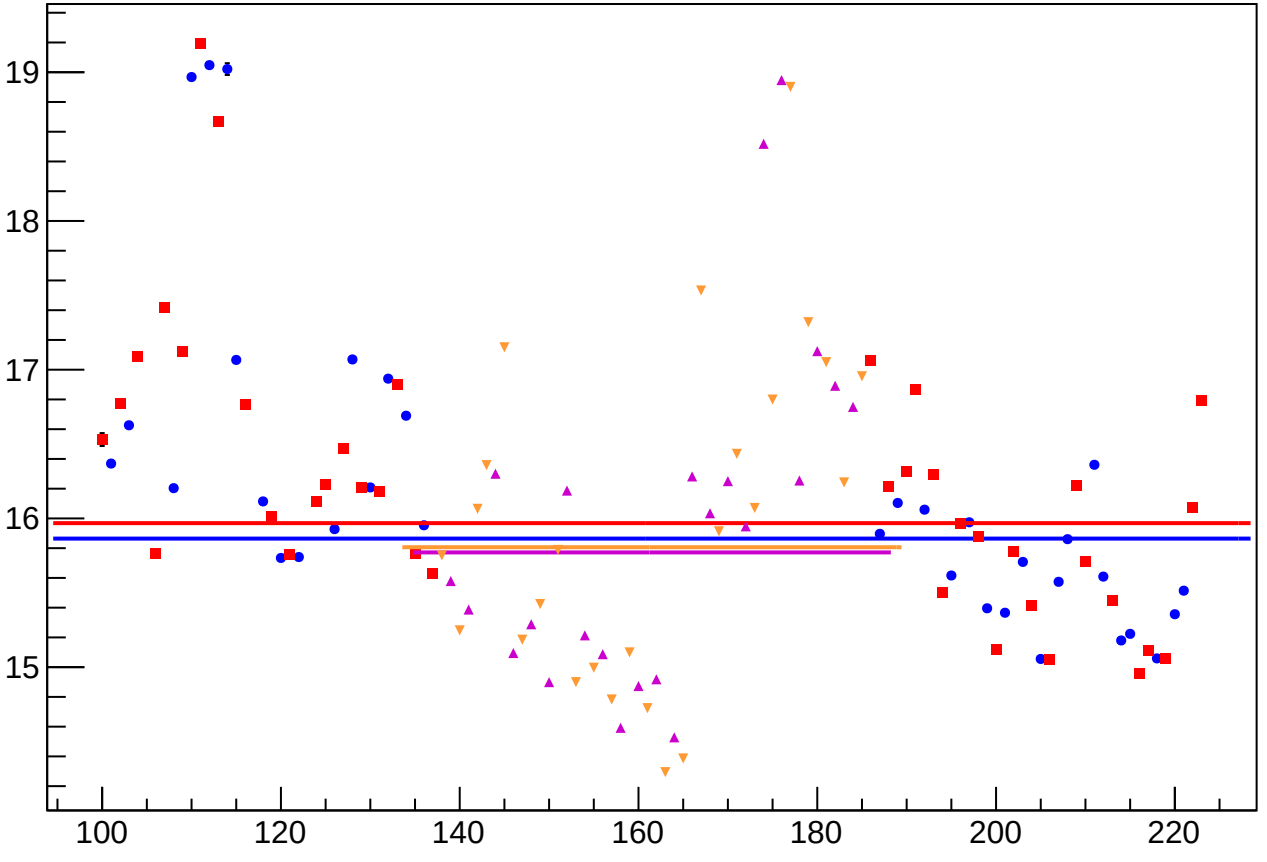
Right: 0.110+/-2.376 χ^2/NDF: 53.8/72

In: -0.412+/-2.495 χ^2/NDF:52.9/56

Out: -3.411+/-2.449 χ^2/NDF:48.6/63

All: -1.939+/-1.748 χ^2/NDF: 102.2/120

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

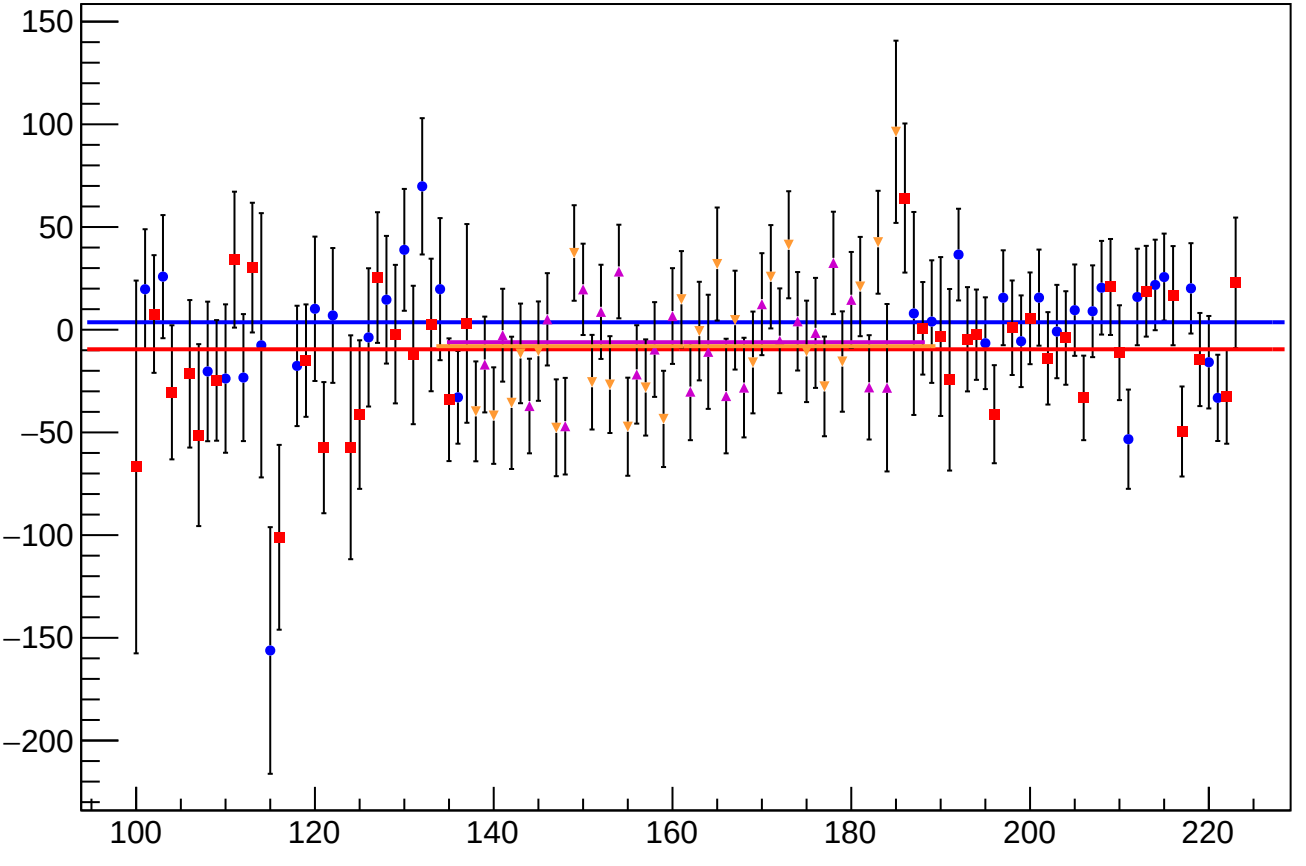
Right: 15.917+/-0.002 χ^2/NDF: 214120.0/72

In: 15.822+/-0.002 χ^2/NDF:251446.7/56

Out: 15.893+/-0.002 χ^2/NDF:289371.0/63

All: 15.858+/-0.001 χ^2/NDF: 541652.9/120

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

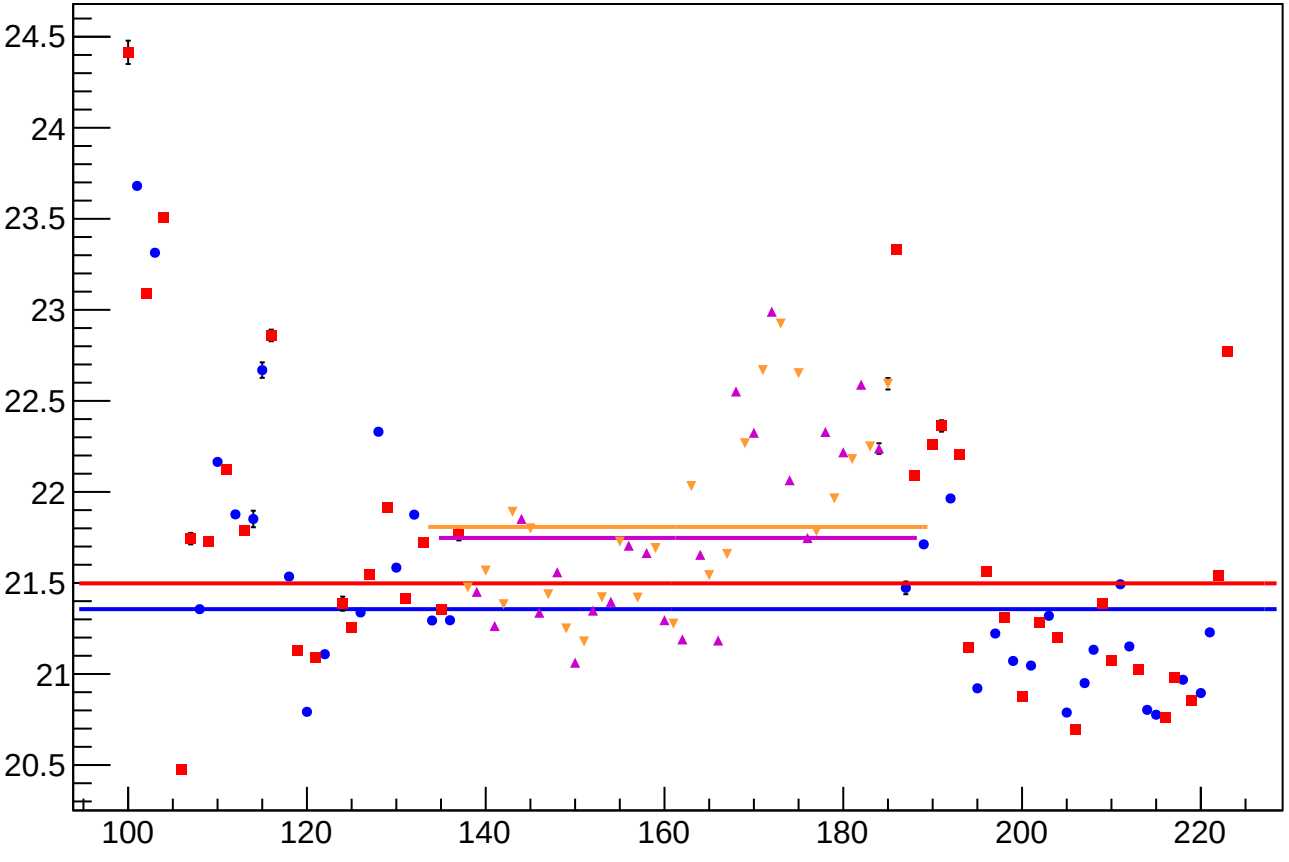
Right: -3.027+/-3.194 χ^2/NDF: 73.0/72

In: -0.687+/-3.387 χ^2/NDF:54.5/56

Out: -8.845+/-3.327 χ^2/NDF:73.1/63

All: -4.839+/-2.374 χ^2/NDF: 130.5/120

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

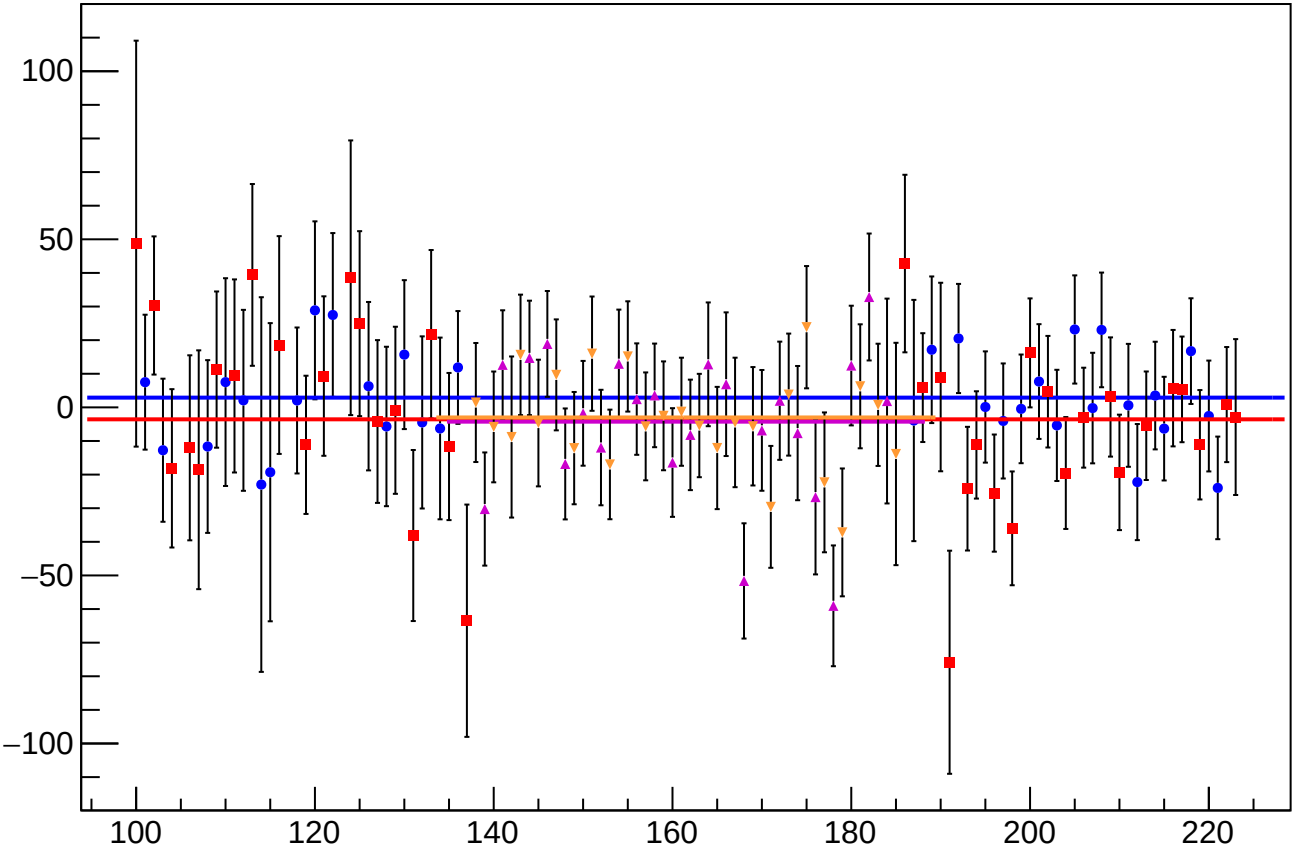
Right: 21.428+/-0.002 χ^2/NDF: 84539.7/72

In: 21.530+/-0.002 χ^2/NDF:64241.2/56

Out: 21.637+/-0.002 χ^2/NDF:68316.8/63

All: 21.585+/-0.002 χ^2/NDF: 133581.5/120

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

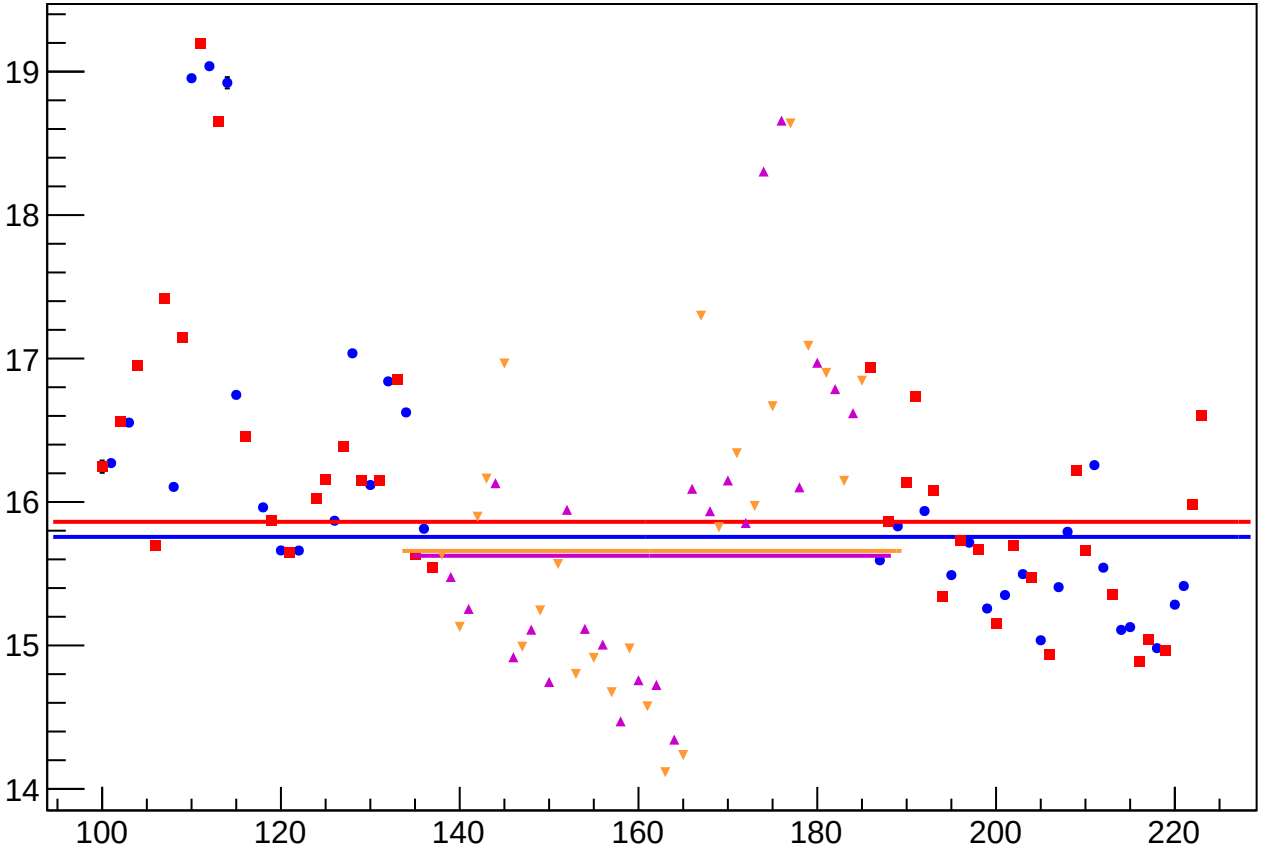
Right: -0.369+/-2.360 χ^2/NDF: 53.9/72

In: -0.368+/-2.475 χ^2/NDF:51.9/56

Out: -3.300+/-2.430 χ^2/NDF:50.6/63

All: -1.861+/-1.734 χ^2/NDF: 103.3/120

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

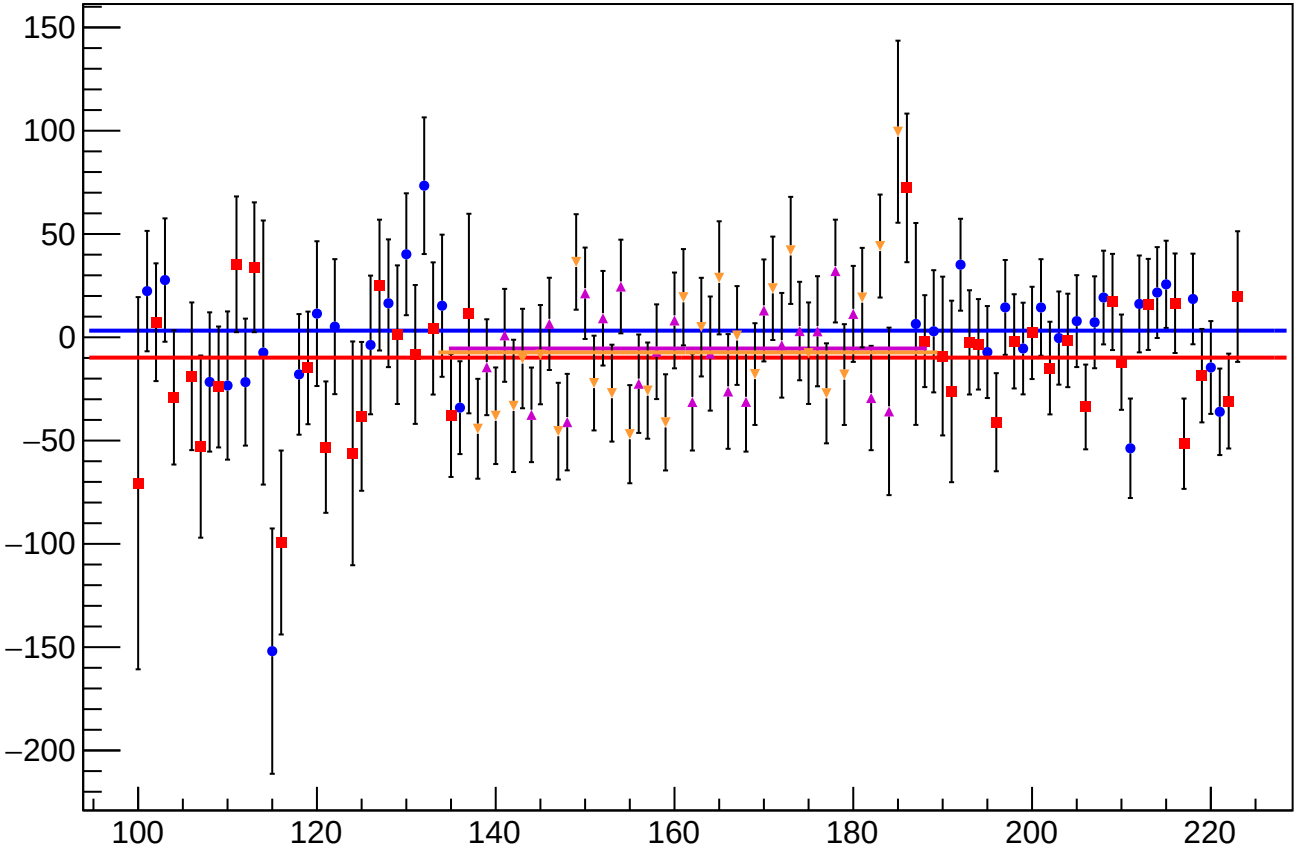
Right: 15.810+/-0.002 χ^2/NDF: 216229.9/72

In: 15.696+/-0.002 χ^2/NDF:252411.4/56

Out: 15.768+/-0.002 χ^2/NDF:287968.3/63

All: 15.733+/-0.001 χ^2/NDF: 541224.0/120

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

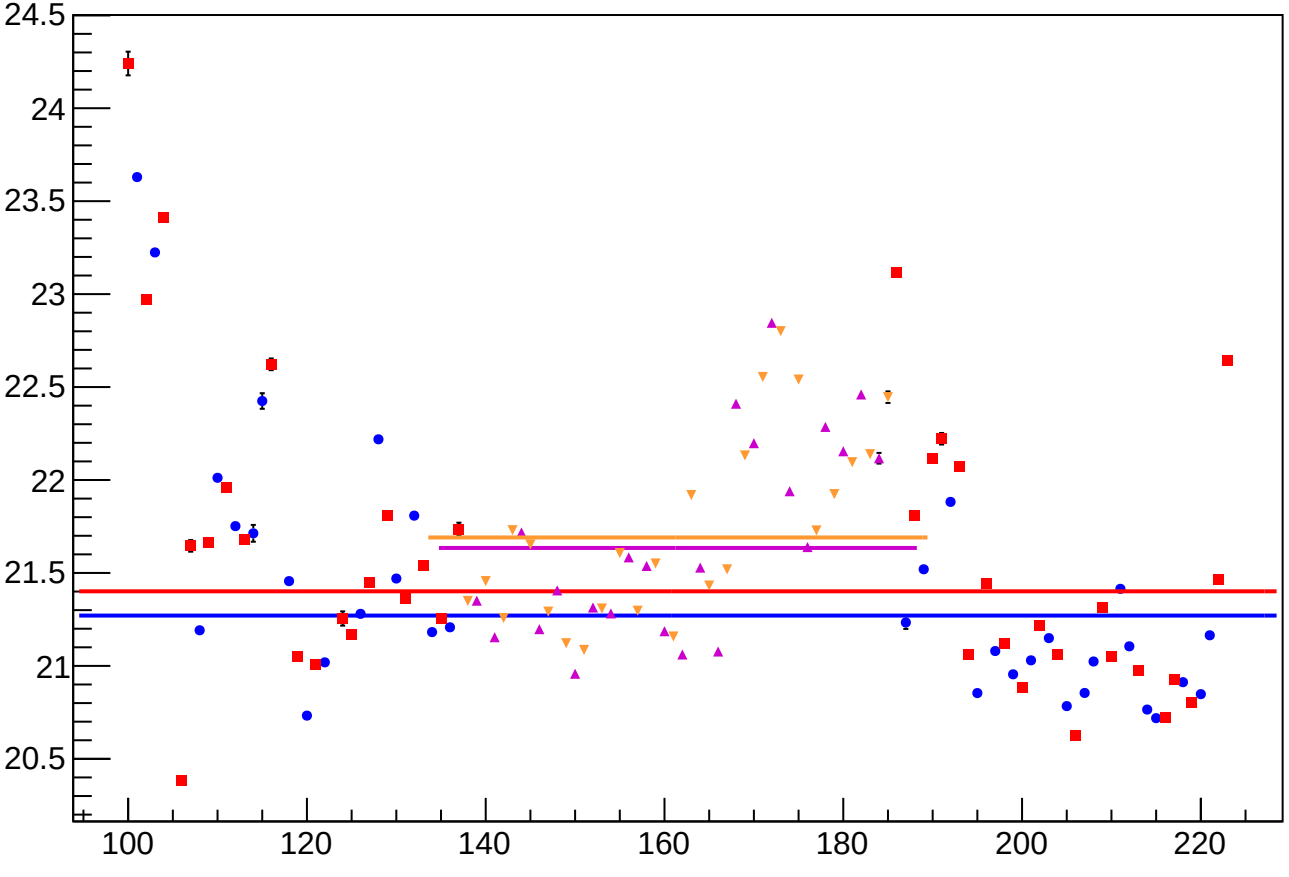
Right: -3.397+/-3.180 χ^2/NDF: 74.5/72

In: -0.635+/-3.372 χ^2/NDF:54.2/56

Out: -8.703+/-3.311 χ^2/NDF:73.7/63

All: -4.743+/-2.362 χ^2/NDF: 130.8/120

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

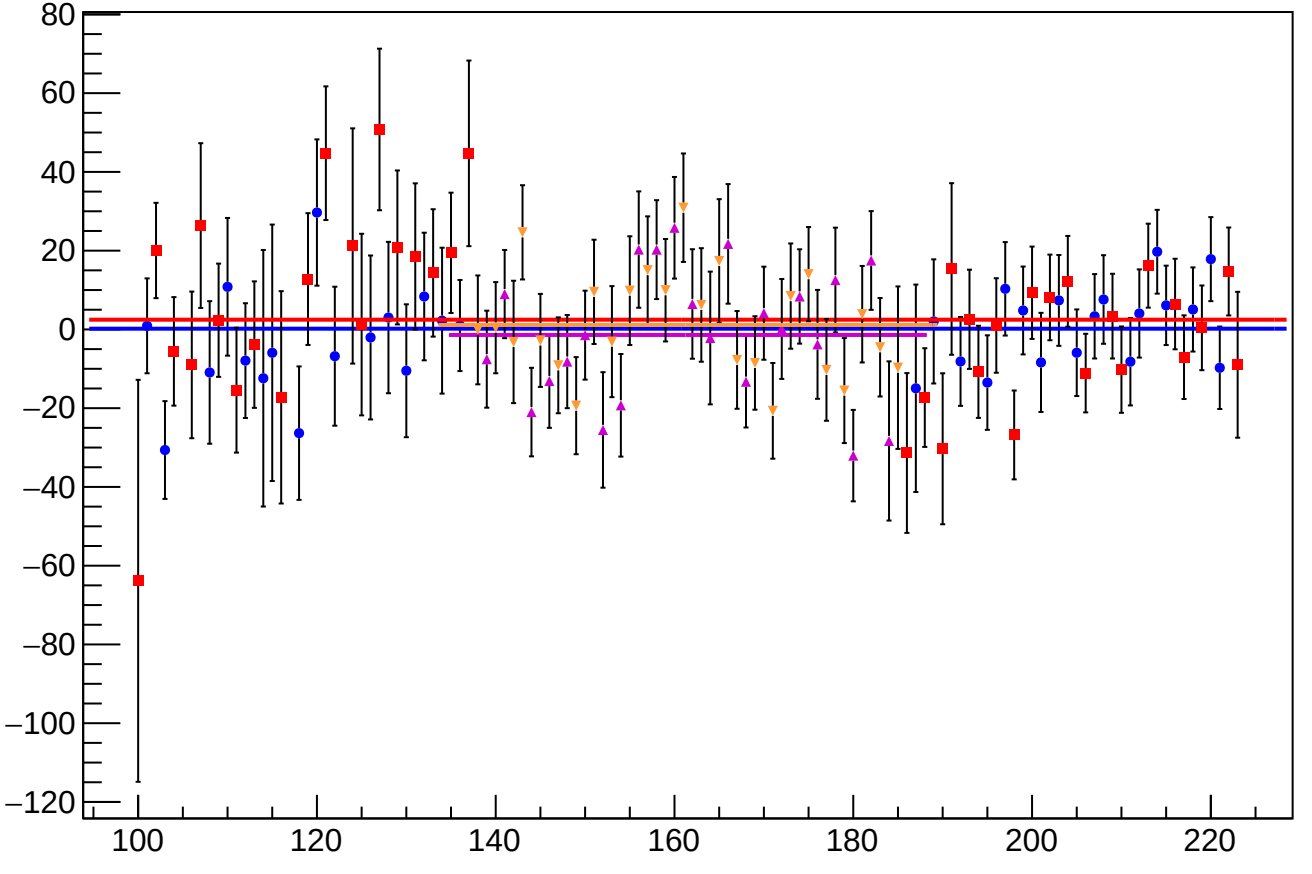
Right: 21.337+/-0.002 χ^2/NDF: 79461.4/72

In: 21.433+/-0.002 χ^2/NDF:62336.4/56

Out: 21.532+/-0.002 χ^2/NDF:64319.3/63

All: 21.483+/-0.002 χ^2/NDF: 127537.5/120

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

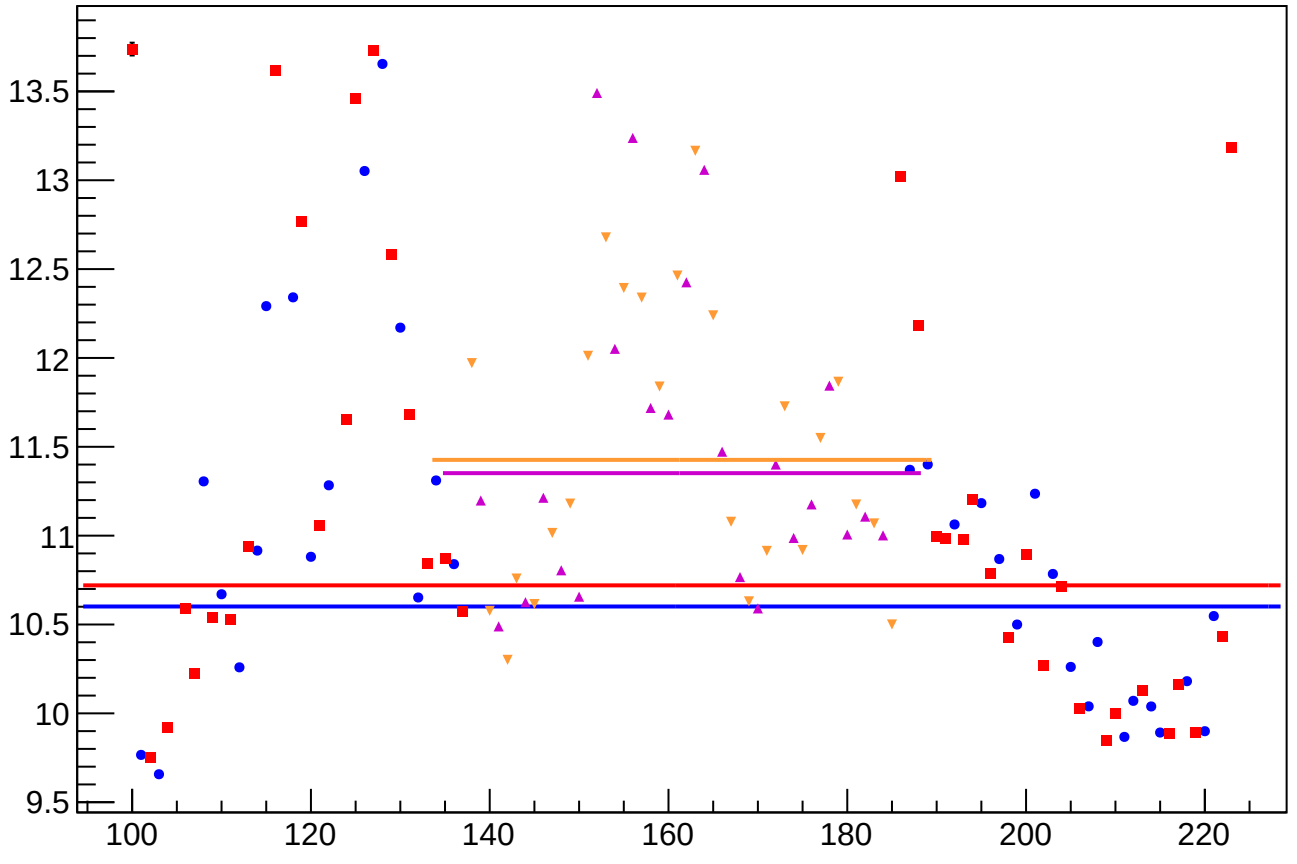
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 1.334+/-1.600 χ^2/NDF: 79.0/72

In: -0.482+/-1.730 χ^2/NDF:62.8/56

Out: 1.903+/-1.709 χ^2/NDF:76.9/63

All: 0.725+/-1.216 χ^2/NDF: 140.6/120



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

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

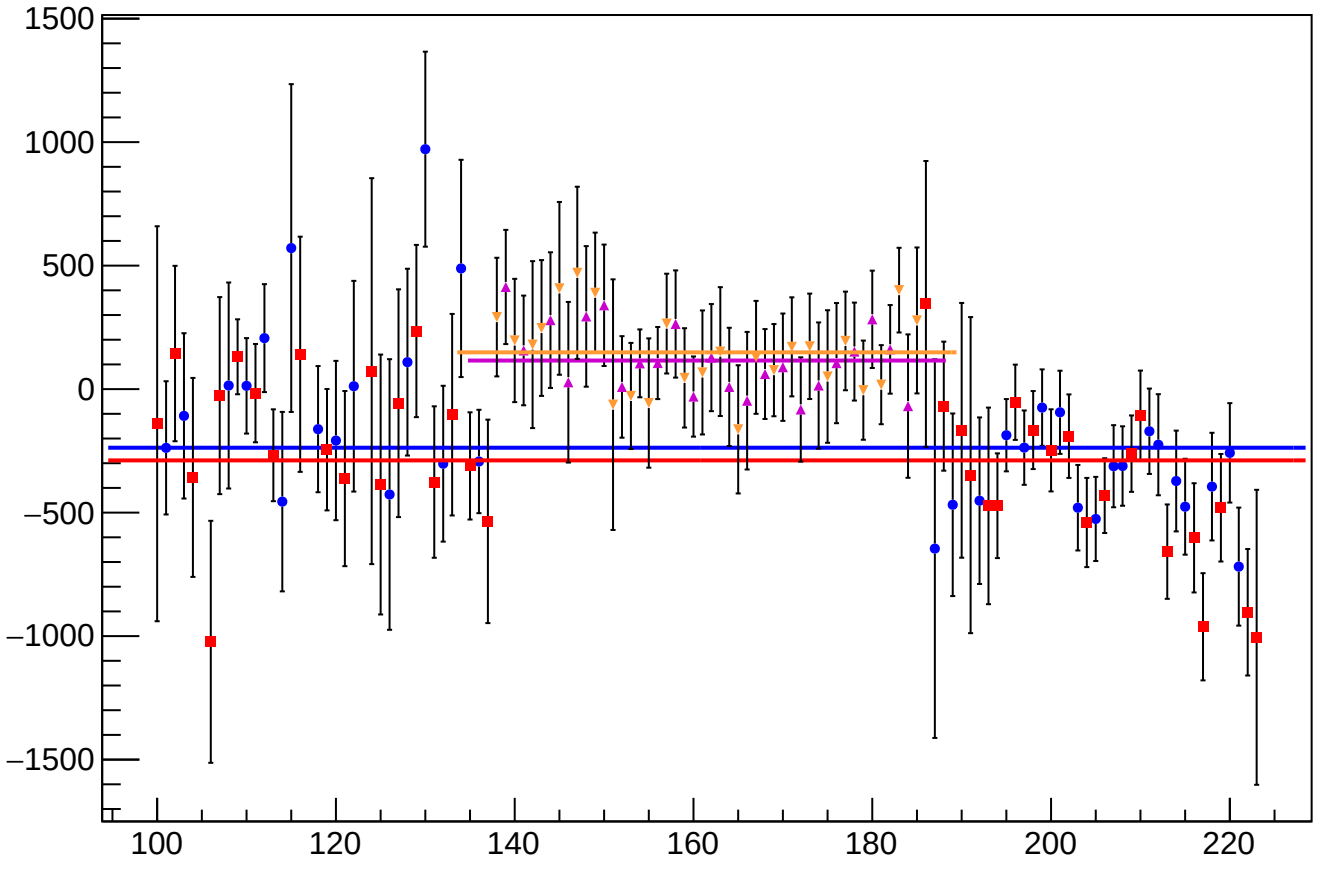
Right: 10.661+/-0.001 χ^2/NDF: 573157.8/72

In: 10.916+/-0.001 χ^2/NDF:487041.9/56

Out: 11.021+/-0.001 χ^2/NDF:585915.2/63

All: 10.969+/-0.001 χ^2/NDF: 1076702.1/120

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

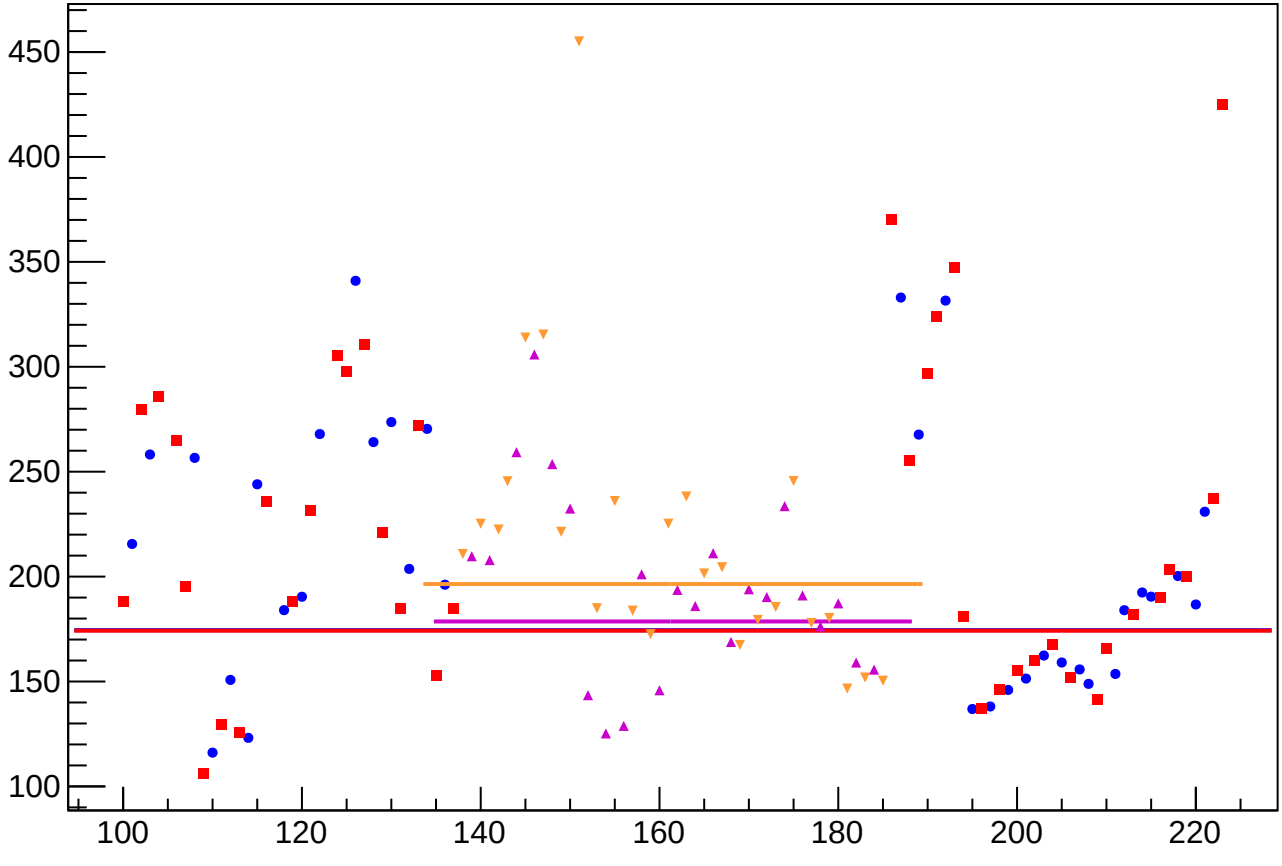
Right: -263.014+/-27.250 χ^2/NDF: 89.2/72

In: -82.300+/-28.917 χ^2/NDF:81.2/56

Out: -109.946+/-29.588 χ^2/NDF:114.9/63

All: -95.806+/-20.681 χ^2/NDF: 196.6/120

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



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

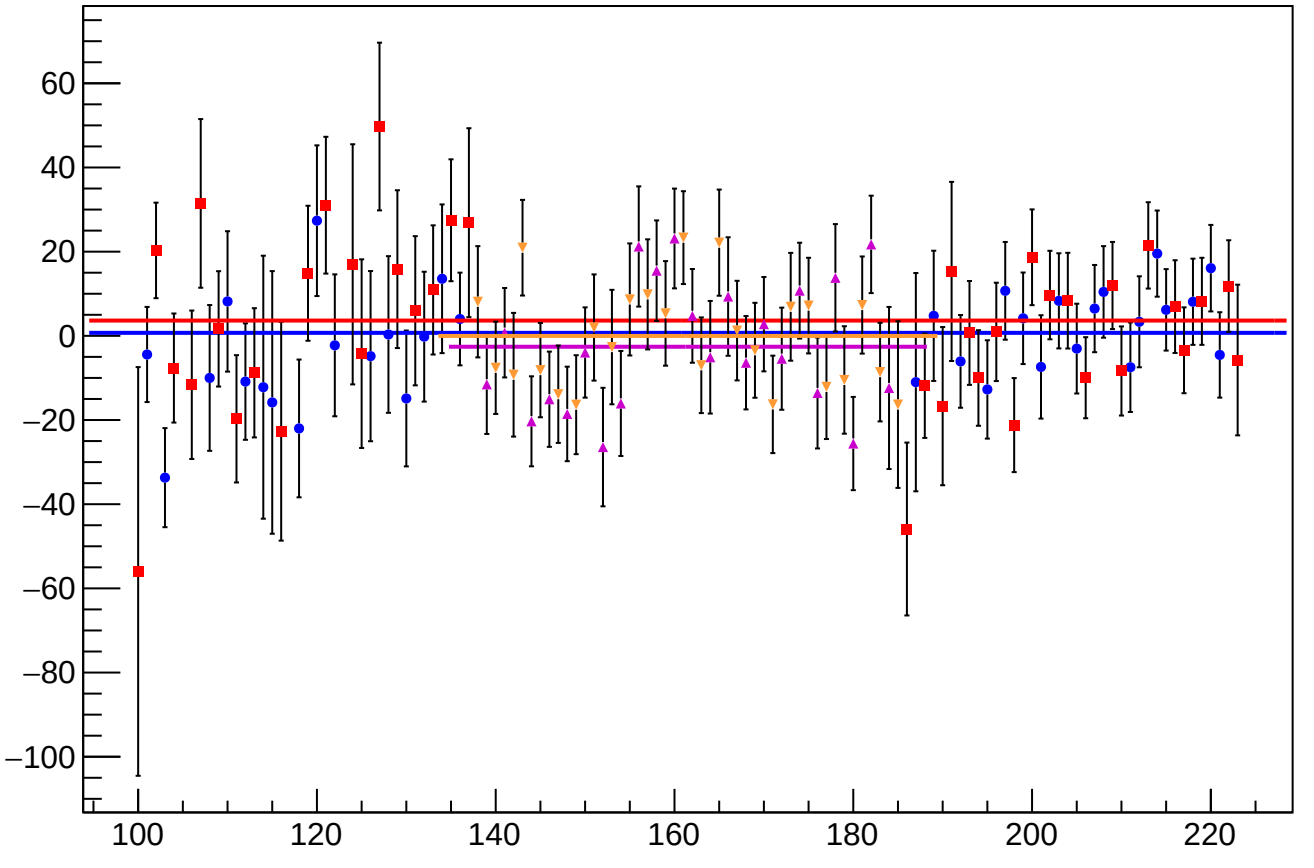
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 174.345+/-0.019 χ^2/NDF: 6079972.8/72

In: 176.284+/-0.020 χ^2/NDF:4179449.4/56

Out: 183.303+/-0.021 χ^2/NDF:5680860.2/63

All: 179.713+/-0.015 χ^2/NDF: 9917882.3/120



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

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

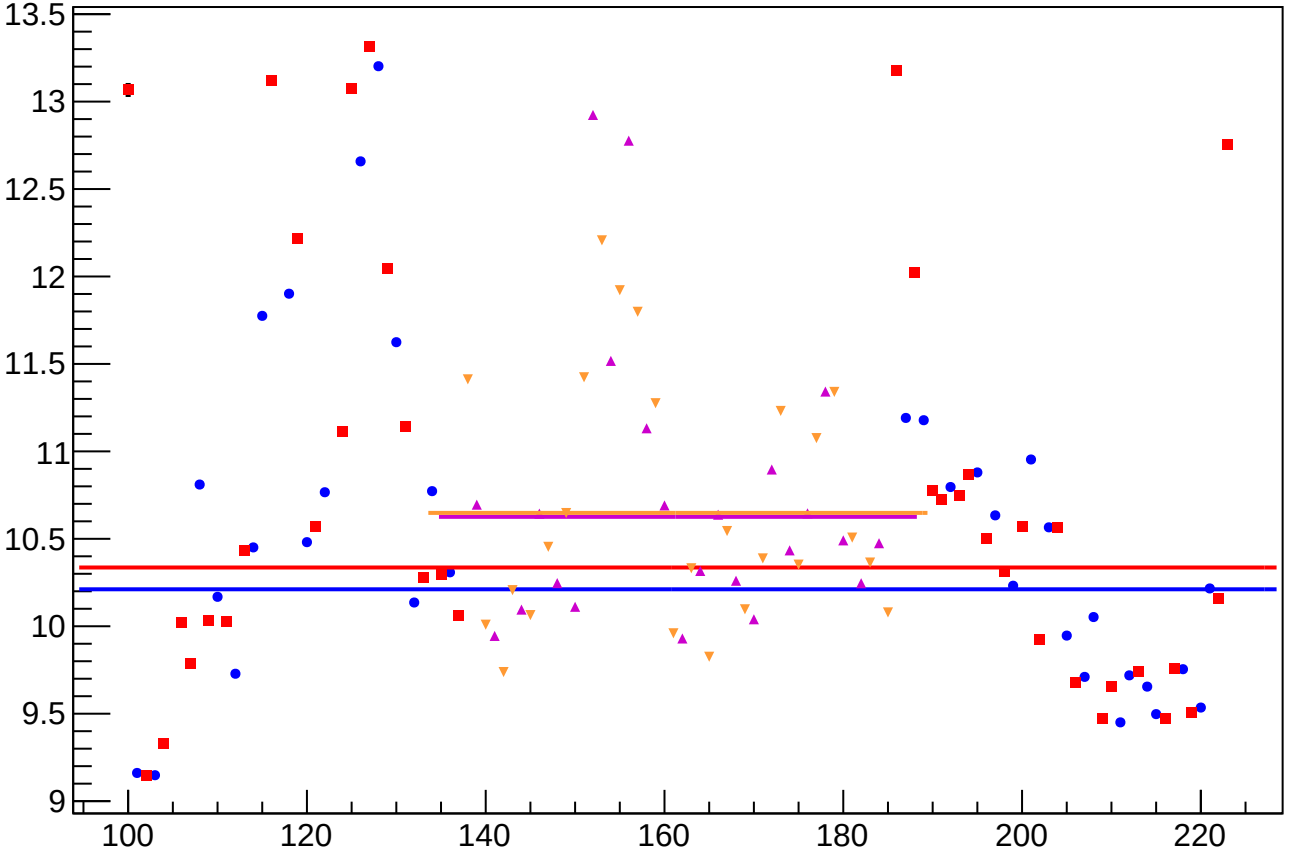
Right: 2.178+/-1.543 χ^2/NDF: 80.3/72

In: -0.717+/-1.648 χ^2/NDF:64.4/56

Out: 2.017+/-1.626 χ^2/NDF:75.8/63

All: 0.669+/-1.157 χ^2/NDF: 141.6/120

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



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

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

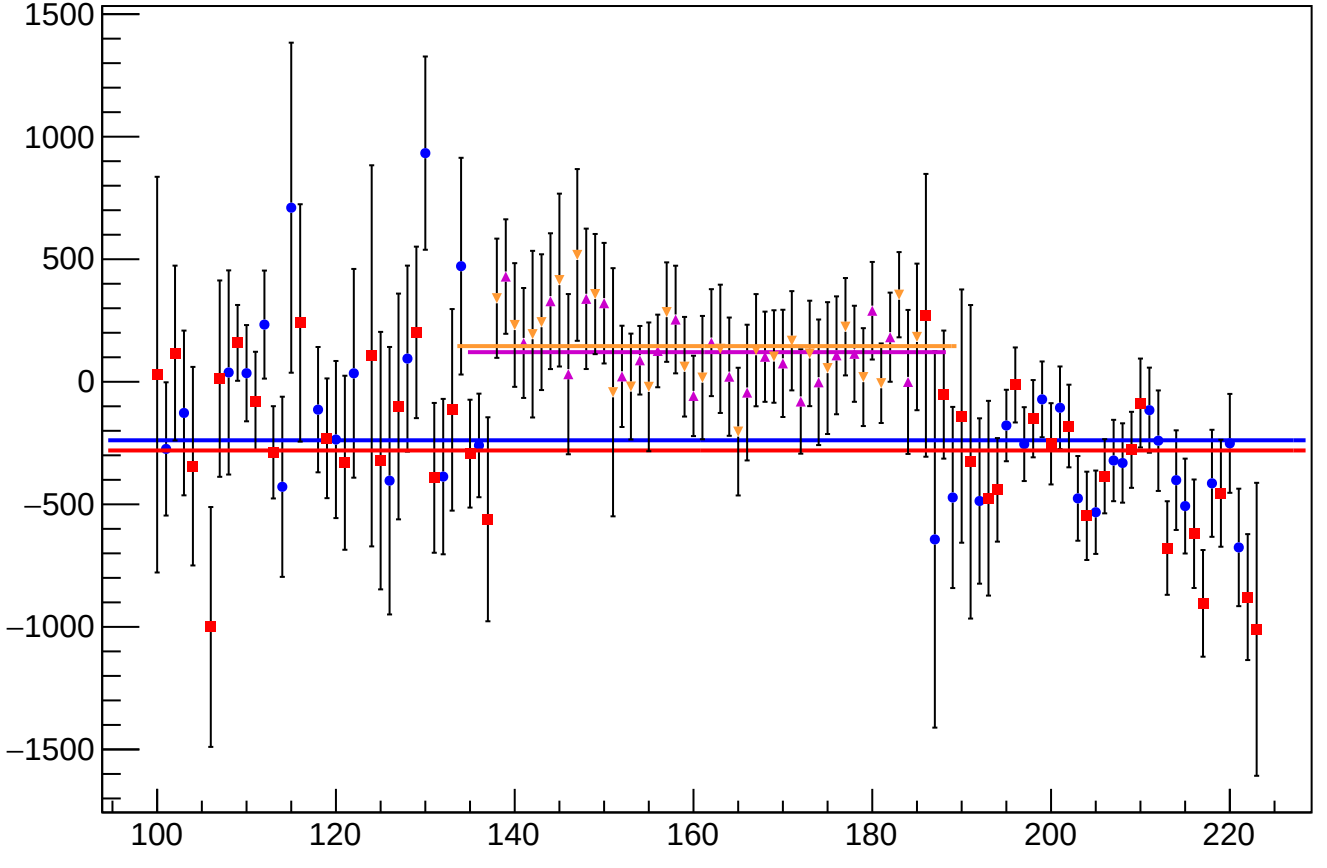
Right: 10.274+/-0.001 χ^2/NDF: 642658.4/72

In: 10.391+/-0.001 χ^2/NDF:441514.1/56

Out: 10.474+/-0.001 χ^2/NDF:550183.0/63

All: 10.433+/-0.001 χ^2/NDF: 994298.9/120

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -238.670+/-38.681 χ^2/NDF: 38.2/33

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -280.189+/-38.570 χ^2/NDF: 50.4/38

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

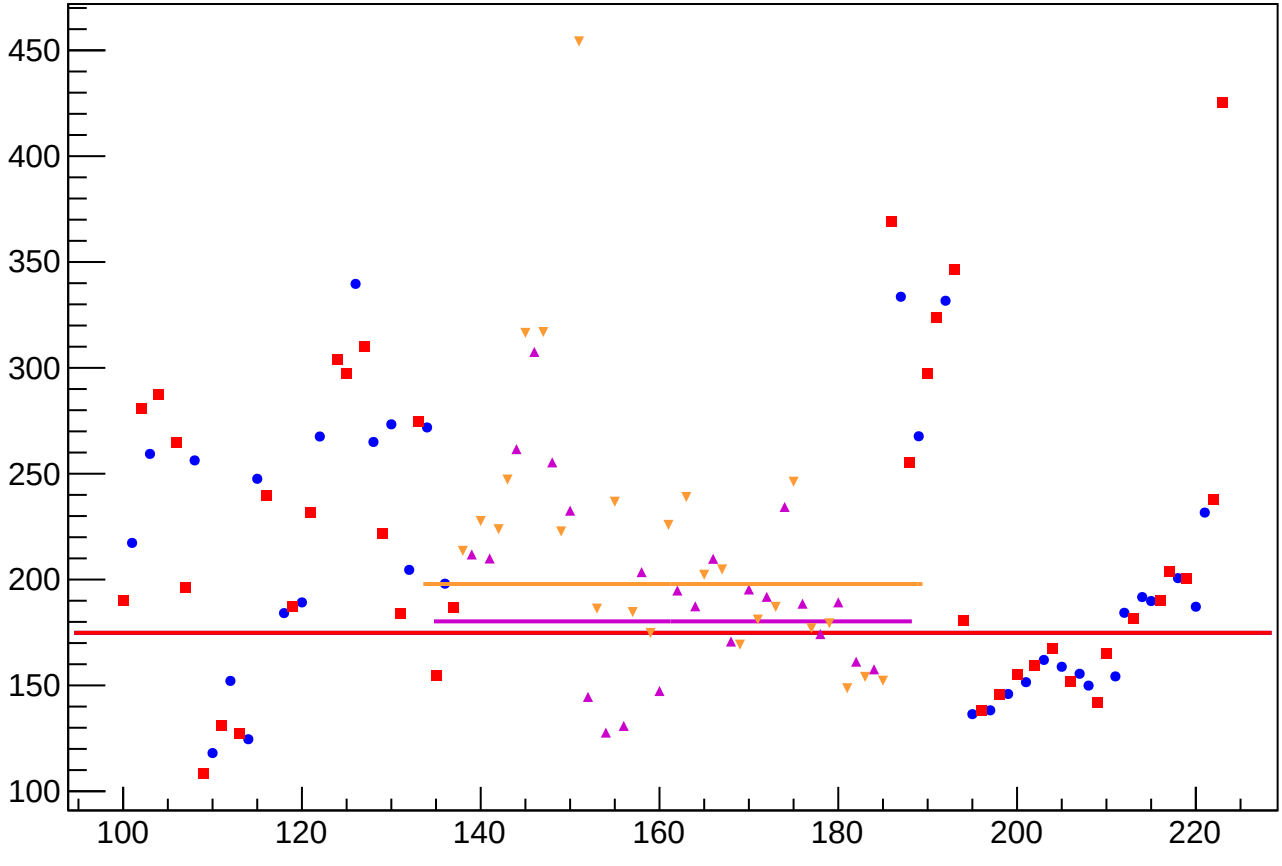
Right: -259.489+/-27.312 χ^2/NDF: 89.2/72

In: -81.903+/-29.050 χ^2/NDF:84.1/56

Out: -107.166+/-29.716 χ^2/NDF:110.2/63

All: -94.248+/-20.773 χ^2/NDF: 194.6/120

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

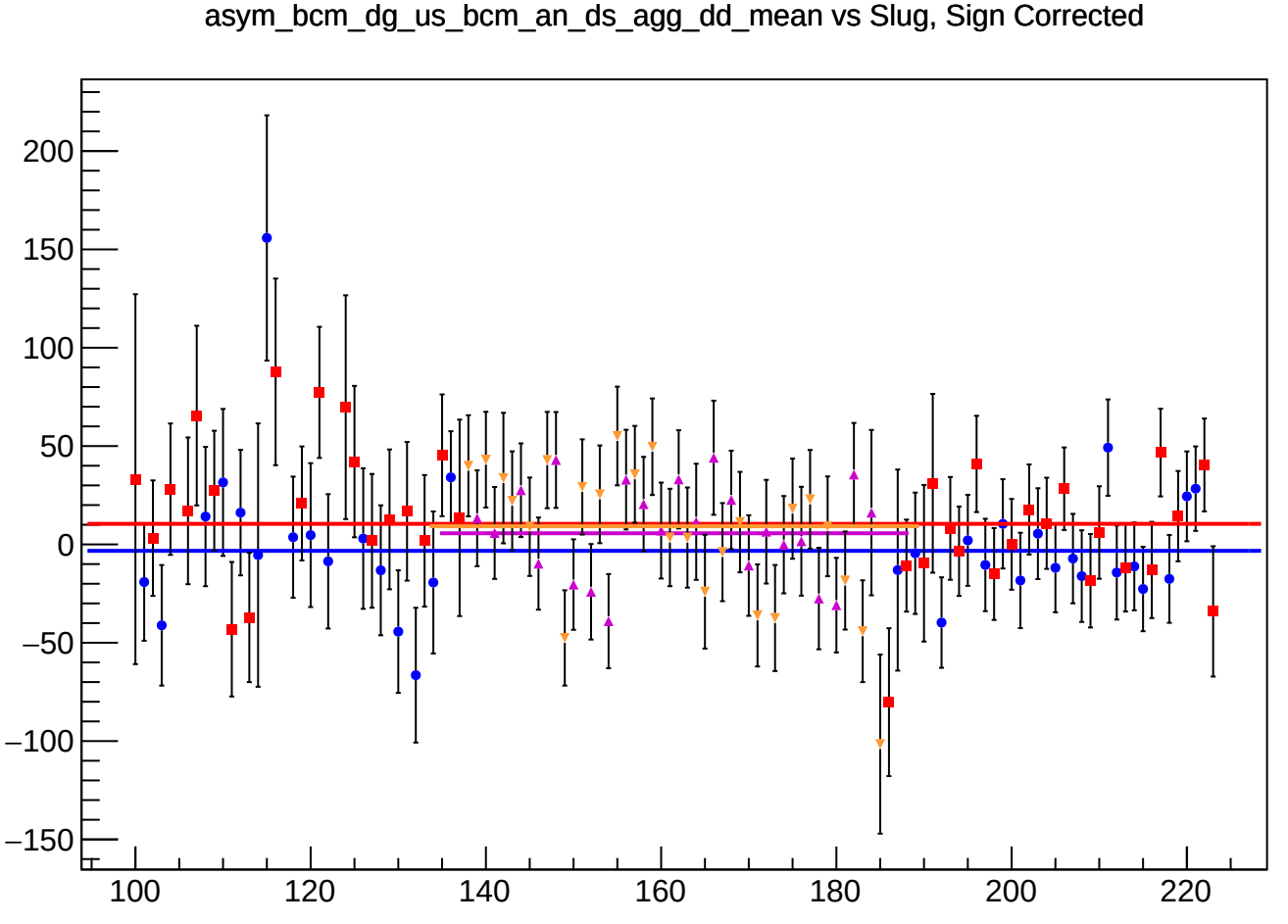
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 174.833+/-0.019 χ^2/NDF: 6013592.4/72

In: 177.186+/-0.021 χ^2/NDF:4124545.1/56

Out: 184.212+/-0.021 χ^2/NDF:5612978.1/63

All: 180.619+/-0.015 χ^2/NDF: 9794692.3/120



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

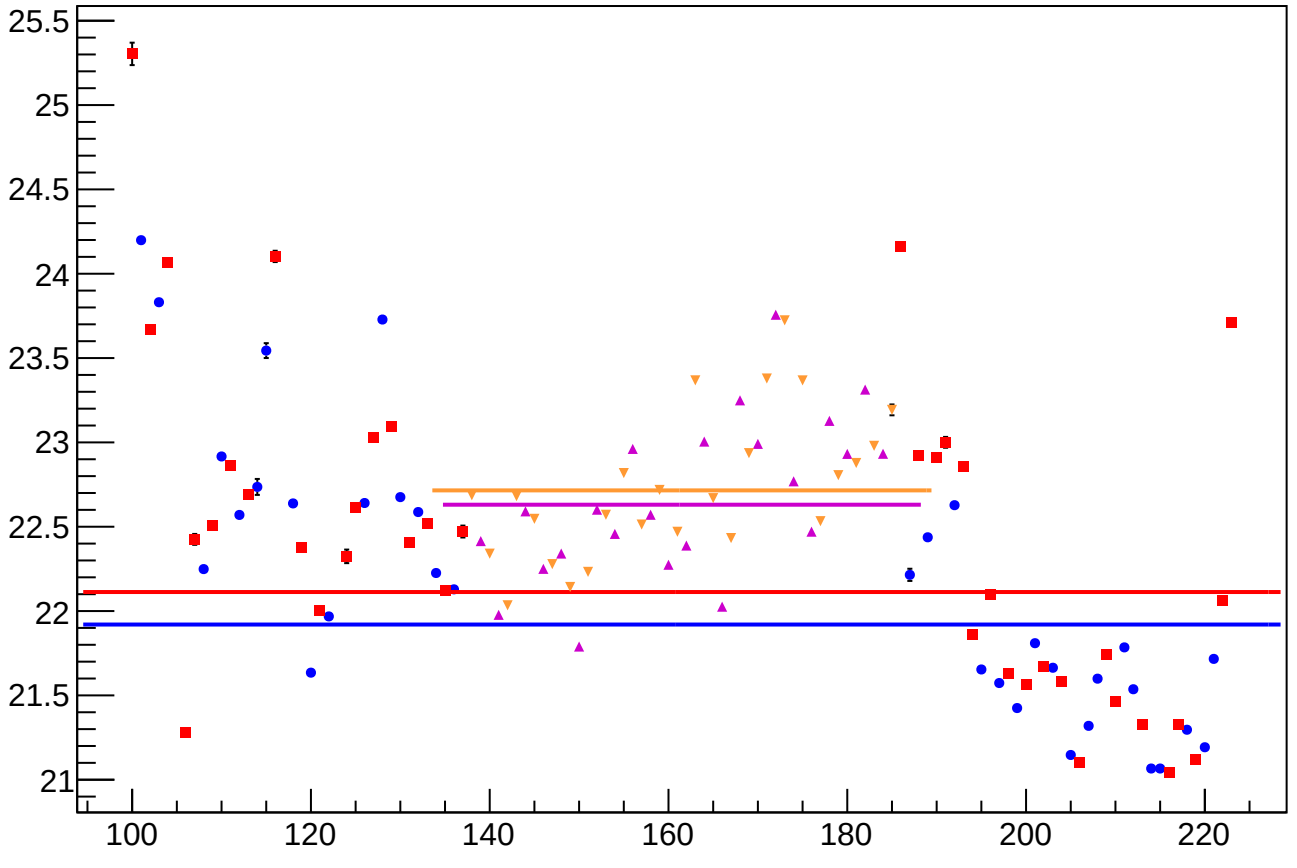
Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

Right: 3.662+/-3.283 χ^2/NDF: 73.7/72

In: 0.643+/-3.498 χ^2/NDF:54.2/56

Out: 9.913+/-3.442 χ^2/NDF:77.0/63

All: 5.353+/-2.454 χ^2/NDF: 134.7/120



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

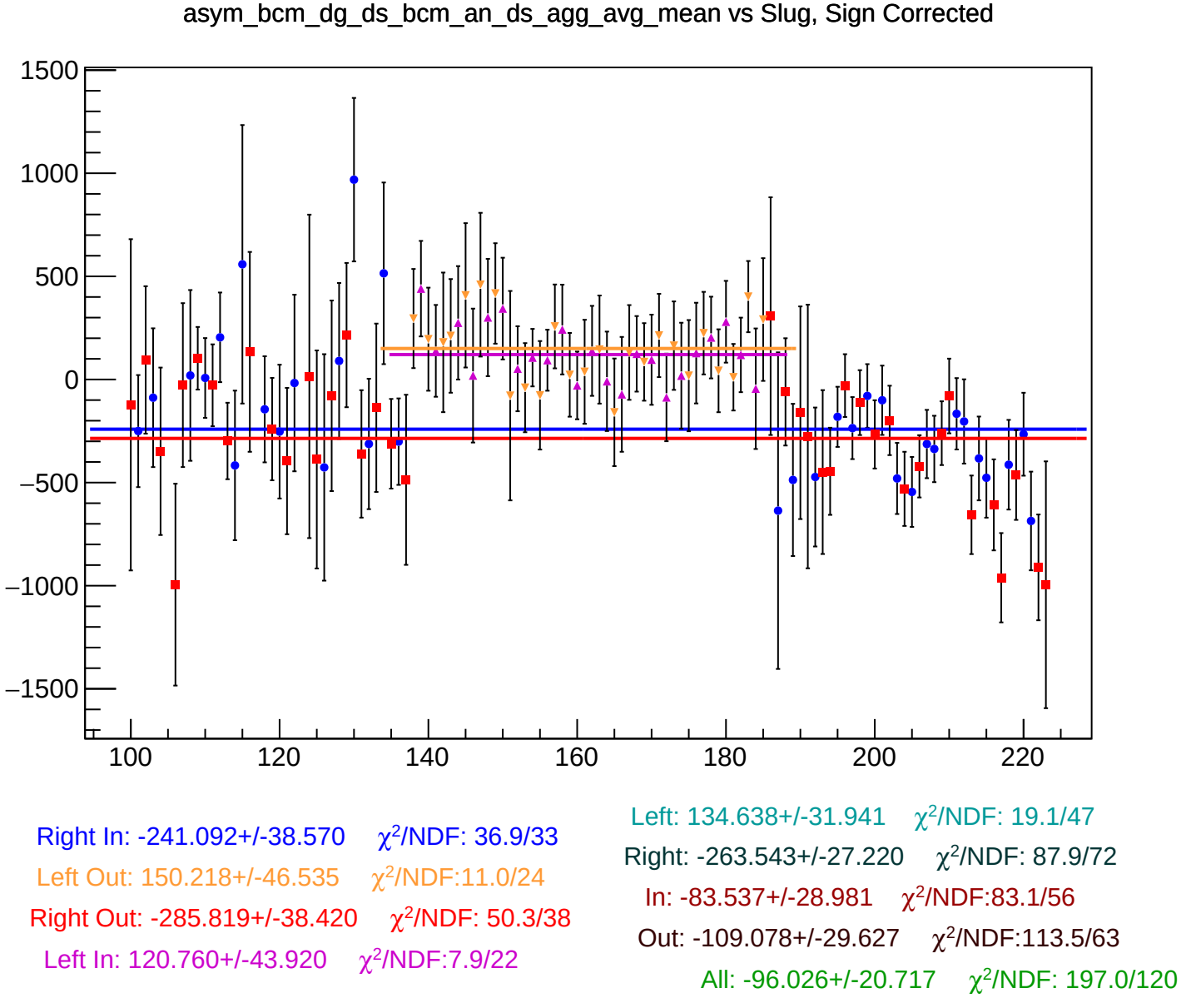
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.017+/-0.002 χ^2/NDF: 119284.6/72

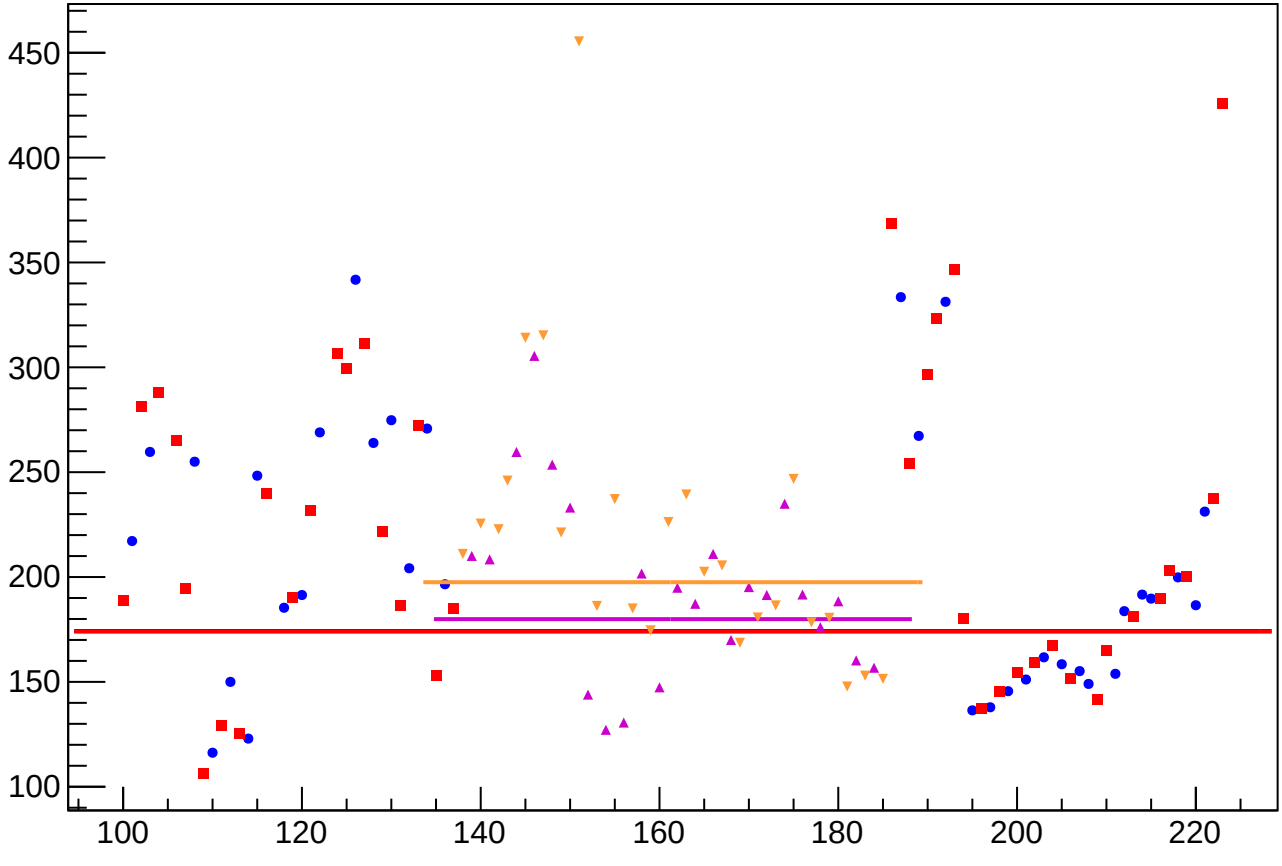
In: 22.231+/-0.002 χ^2/NDF:88486.2/56

Out: 22.381+/-0.002 χ^2/NDF:92088.1/63

All: 22.307+/-0.002 χ^2/NDF: 182430.9/120


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -241.092+/-38.570 χ²/NDF: 36.9/33
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: -285.819+/-38.420 χ²/NDF: 50.3/38
Left In: 120.760+/-43.920 χ²/NDF:7.9/22
Left: 134.638+/-31.941 χ²/NDF: 19.1/47
Right: -263.543+/-27.220 χ²/NDF: 87.9/72
In: -83.537+/-28.981 χ²/NDF:83.1/56
Out: -109.078+/-29.627 χ²/NDF:113.5/63
All: -96.026+/-20.717 χ²/NDF: 197.0/120

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

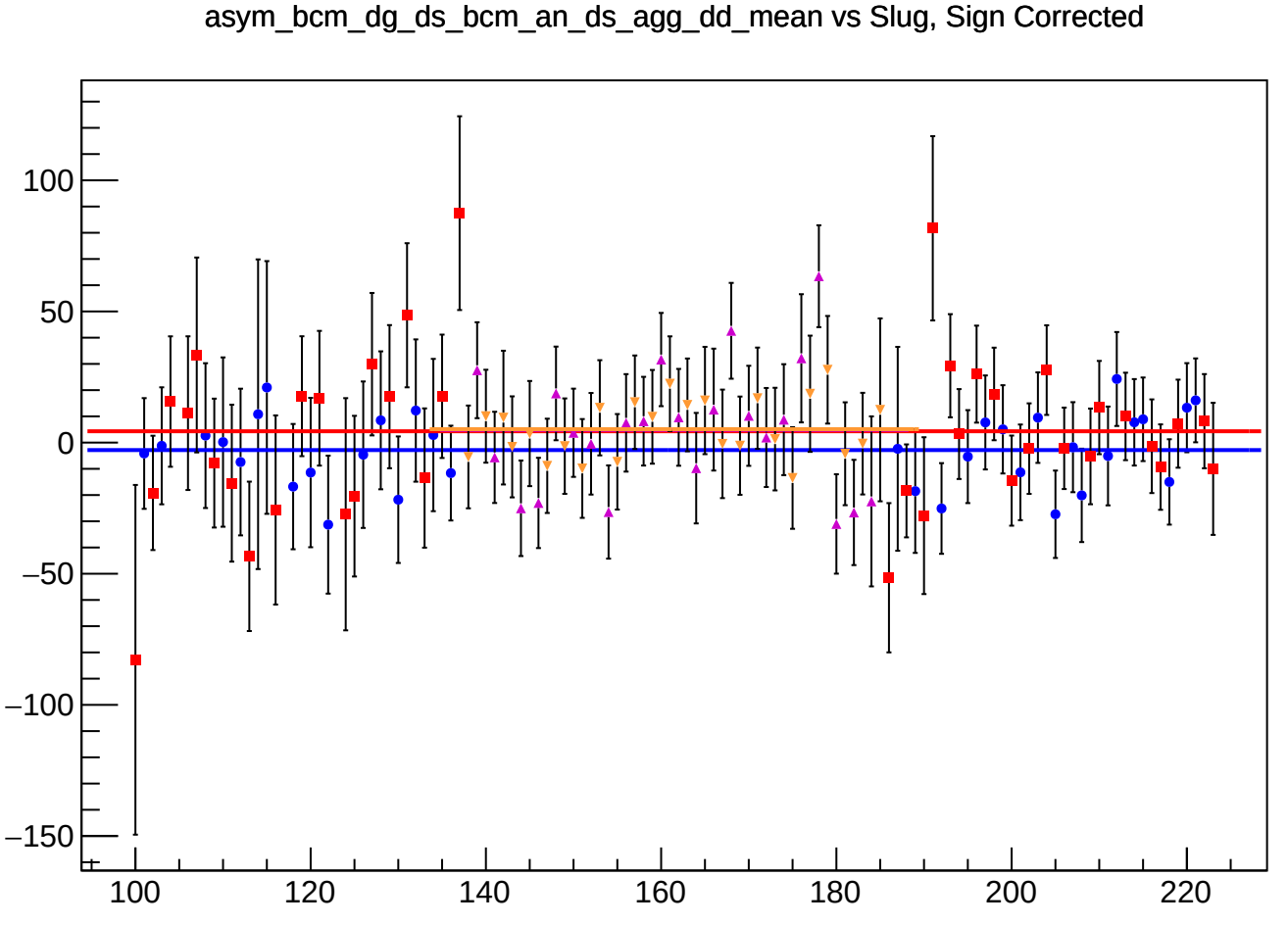
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 174.116+/-0.019 χ^2/NDF: 6126086.6/72

In: 176.714+/-0.020 χ^2/NDF:4155891.3/56

Out: 183.536+/-0.021 χ^2/NDF:5707444.6/63

All: 180.050+/-0.015 χ^2/NDF: 9917514.6/120



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

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

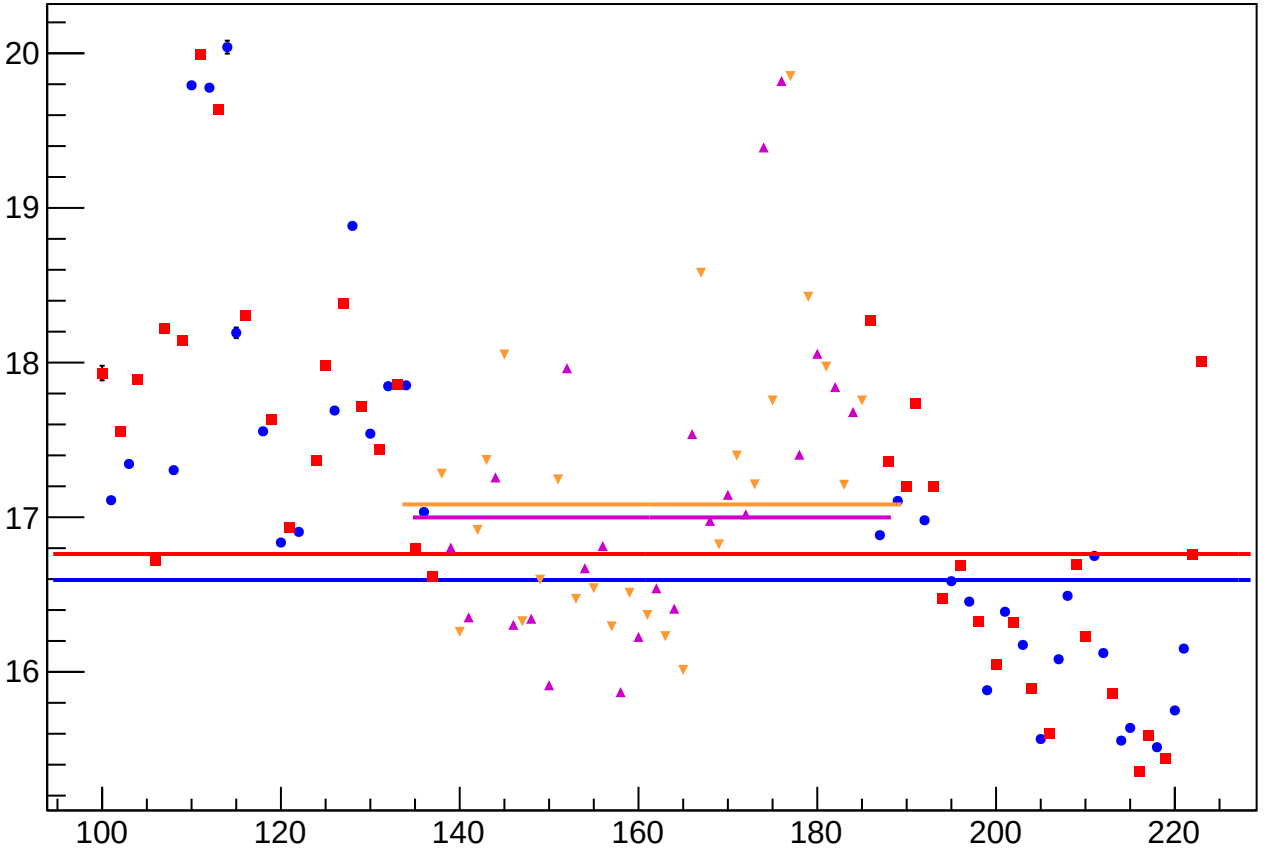
Right: 0.764+/-2.491 χ^2/NDF: 57.7/72

In: 0.550+/-2.644 χ^2/NDF:53.6/56

Out: 4.678+/-2.605 χ^2/NDF:47.6/63

All: 2.645+/-1.856 χ^2/NDF: 102.4/120

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

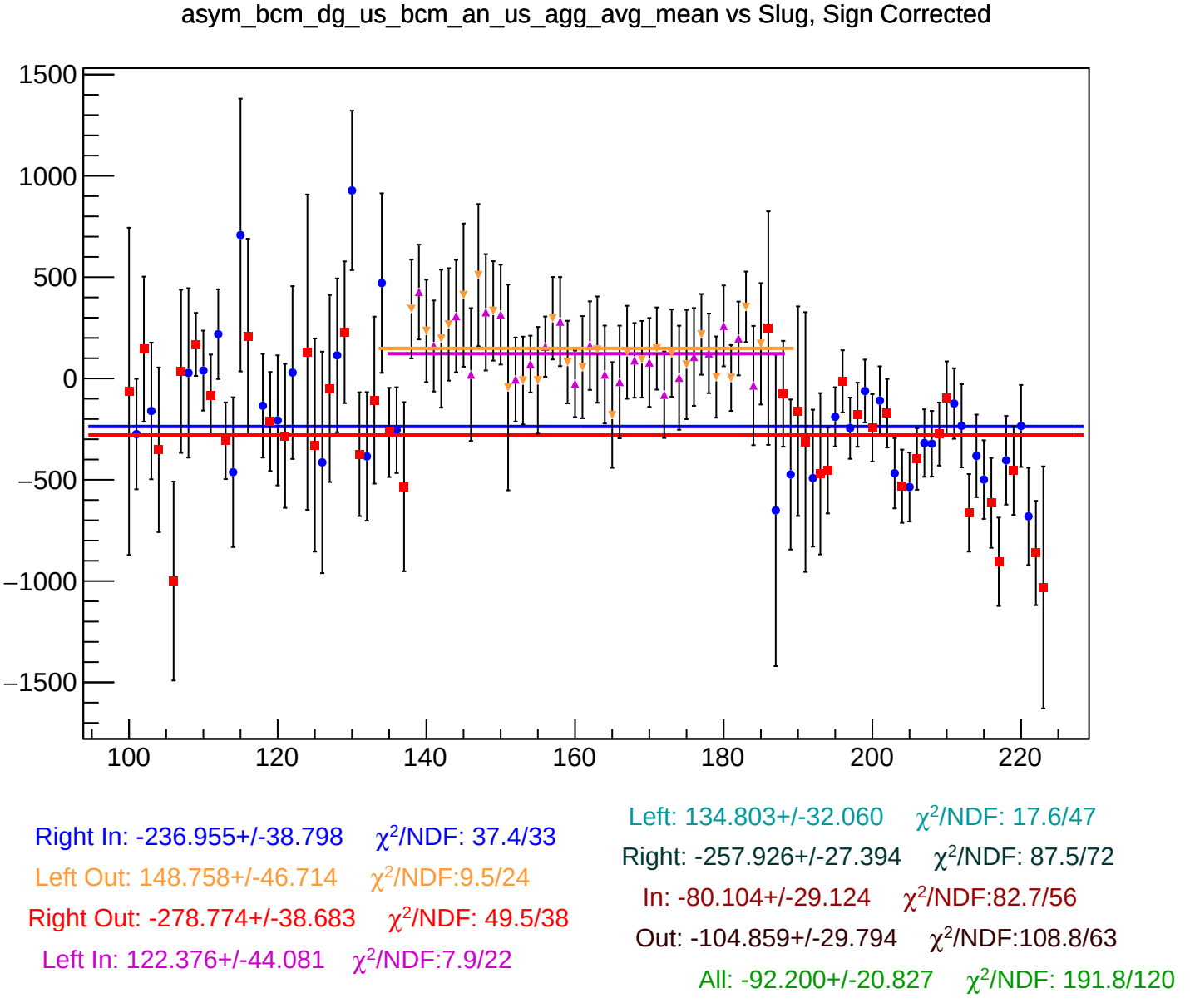
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 16.679+/-0.002 χ^2/NDF: 310879.2/72

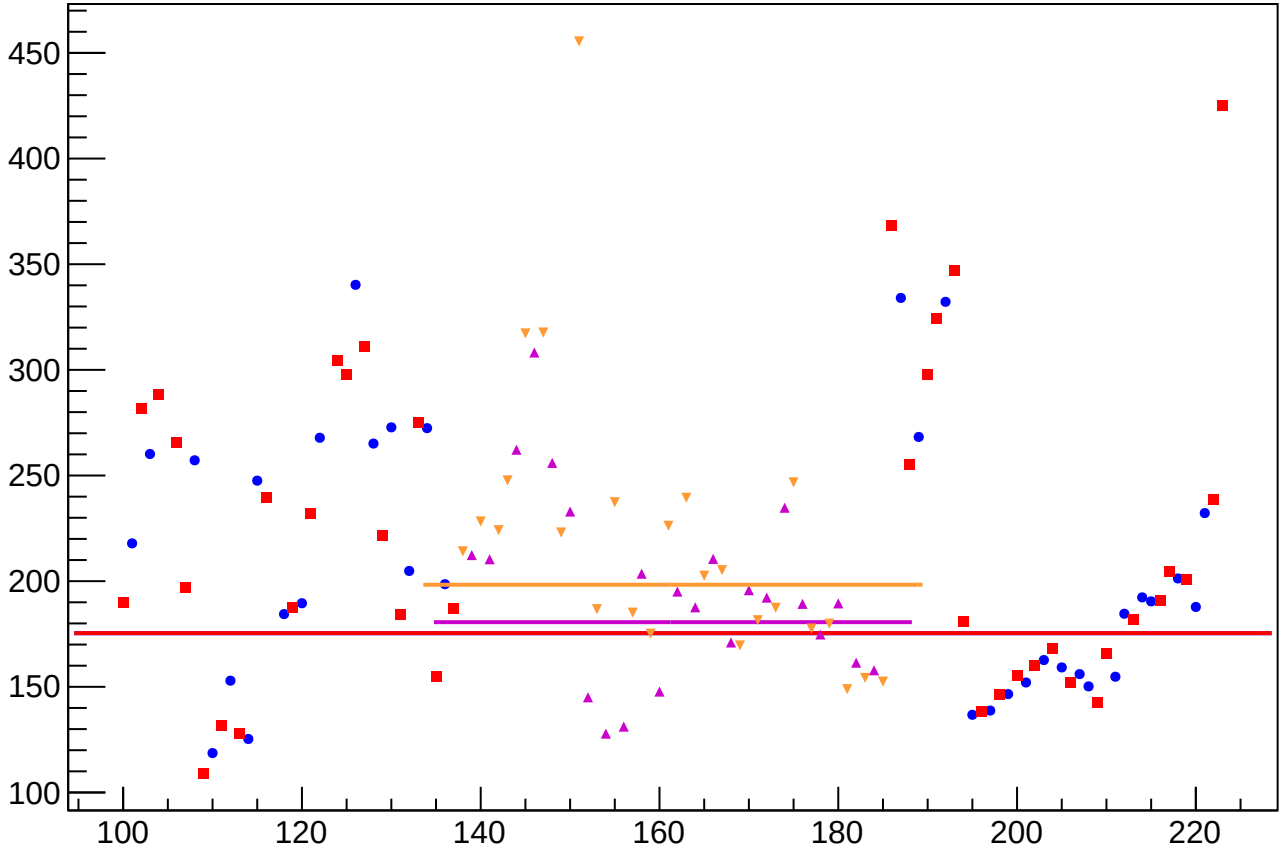
In: 16.773+/-0.002 χ^2/NDF:257755.7/56

Out: 16.906+/-0.002 χ^2/NDF:270685.4/63

All: 16.840+/-0.001 χ^2/NDF: 531016.1/120


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected
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
Left: 134.803+/-32.060 χ²/NDF: 17.6/47
Right: -257.926+/-27.394 χ²/NDF: 87.5/72
In: -80.104+/-29.124 χ²/NDF:82.7/56
Out: -104.859+/-29.794 χ²/NDF:108.8/63
All: -92.200+/-20.827 χ²/NDF: 191.8/120

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

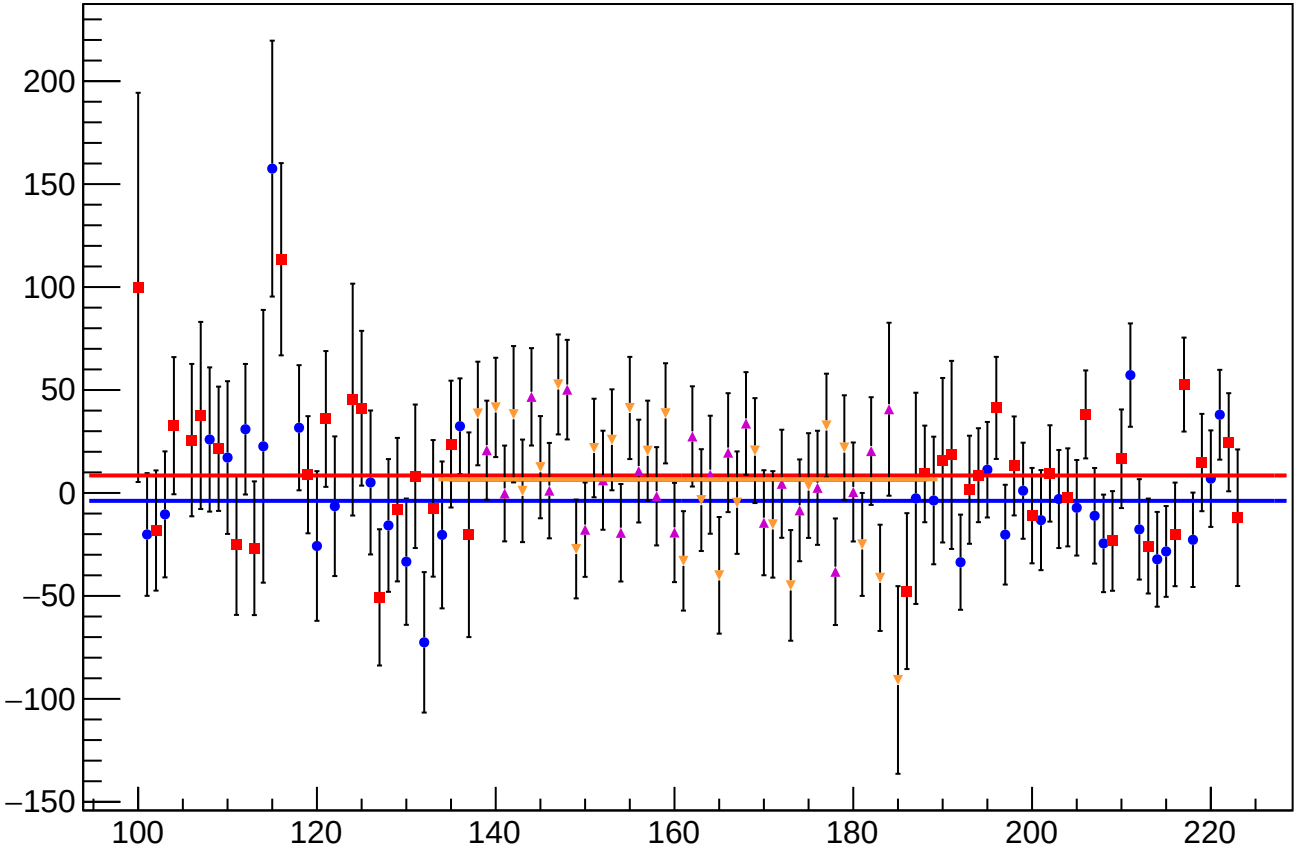
Right: 175.390+/-0.019 χ^2/NDF: 5979471.8/72

In: 177.656+/-0.021 χ^2/NDF:4110314.1/56

Out: 184.724+/-0.021 χ^2/NDF:5588678.4/63

All: 181.110+/-0.015 χ^2/NDF: 9756537.0/120

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

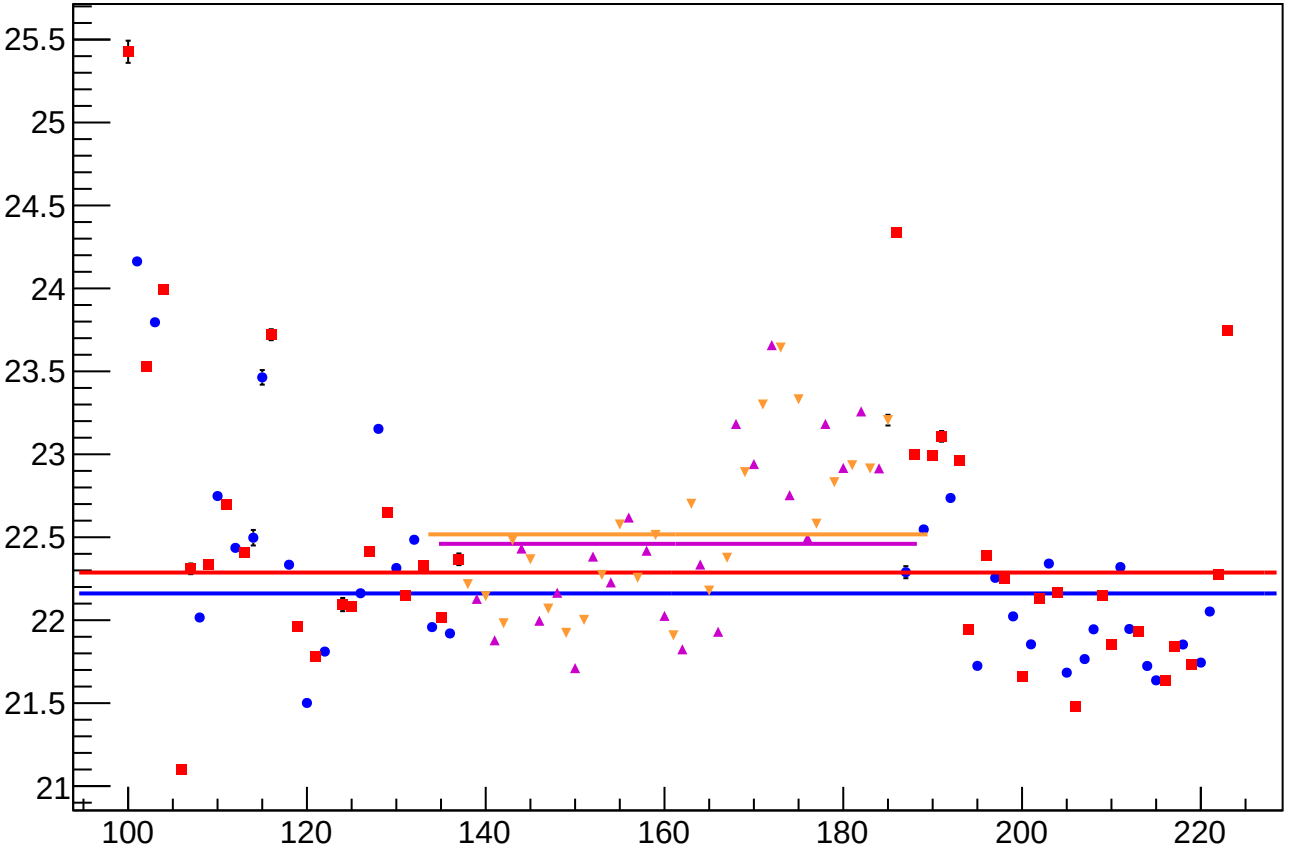
Right: 2.415+/-3.313 χ^2/NDF: 73.2/72

In: 0.778+/-3.507 χ^2/NDF:55.9/56

Out: 7.643+/-3.443 χ^2/NDF:70.4/63

All: 4.274+/-2.457 χ^2/NDF: 128.2/120

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

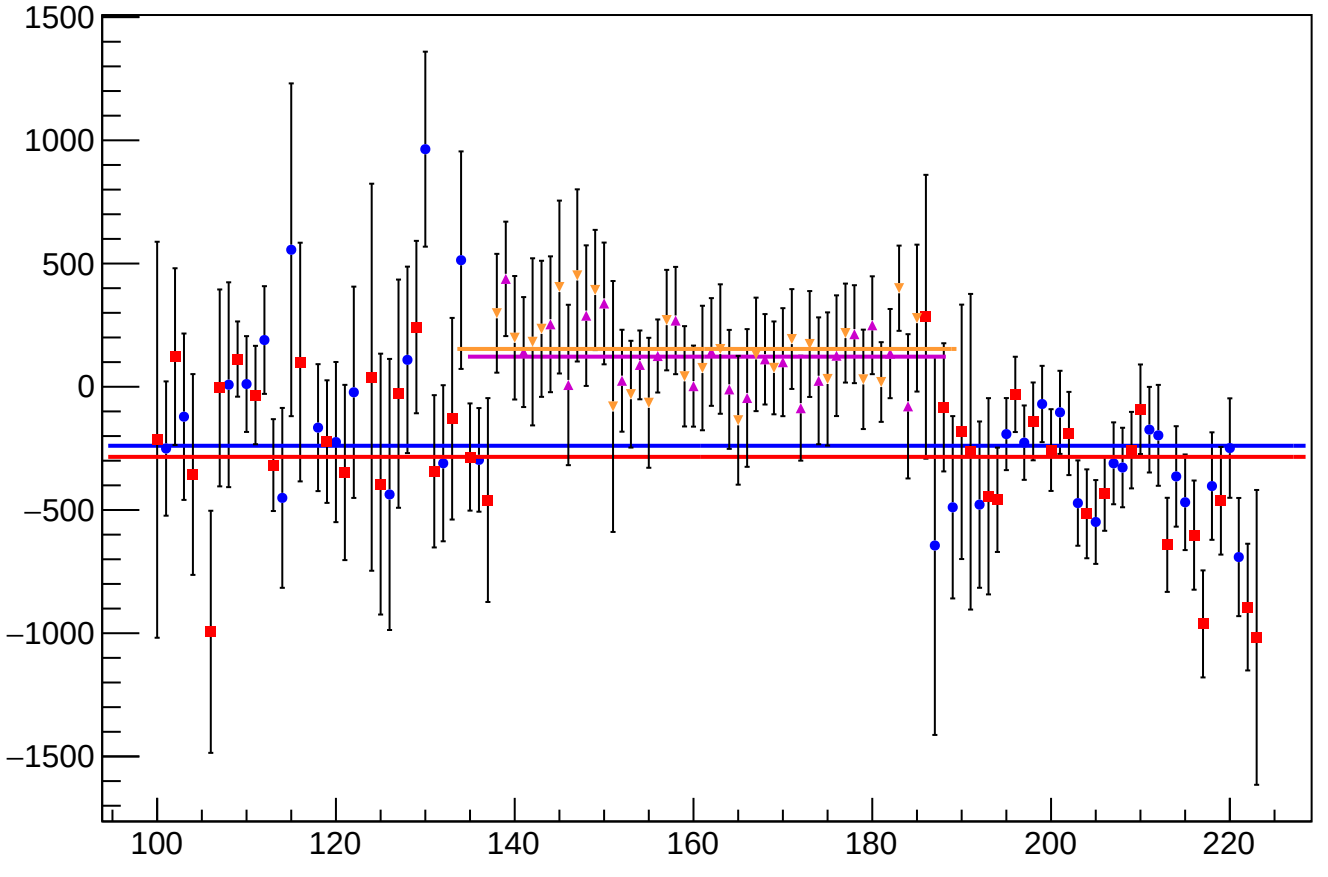
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.225+/-0.002 χ^2/NDF: 68069.4/72

In: 22.295+/-0.002 χ^2/NDF:49929.0/56

Out: 22.391+/-0.002 χ^2/NDF:58342.4/63

All: 22.344+/-0.002 χ^2/NDF: 109043.2/120



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

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

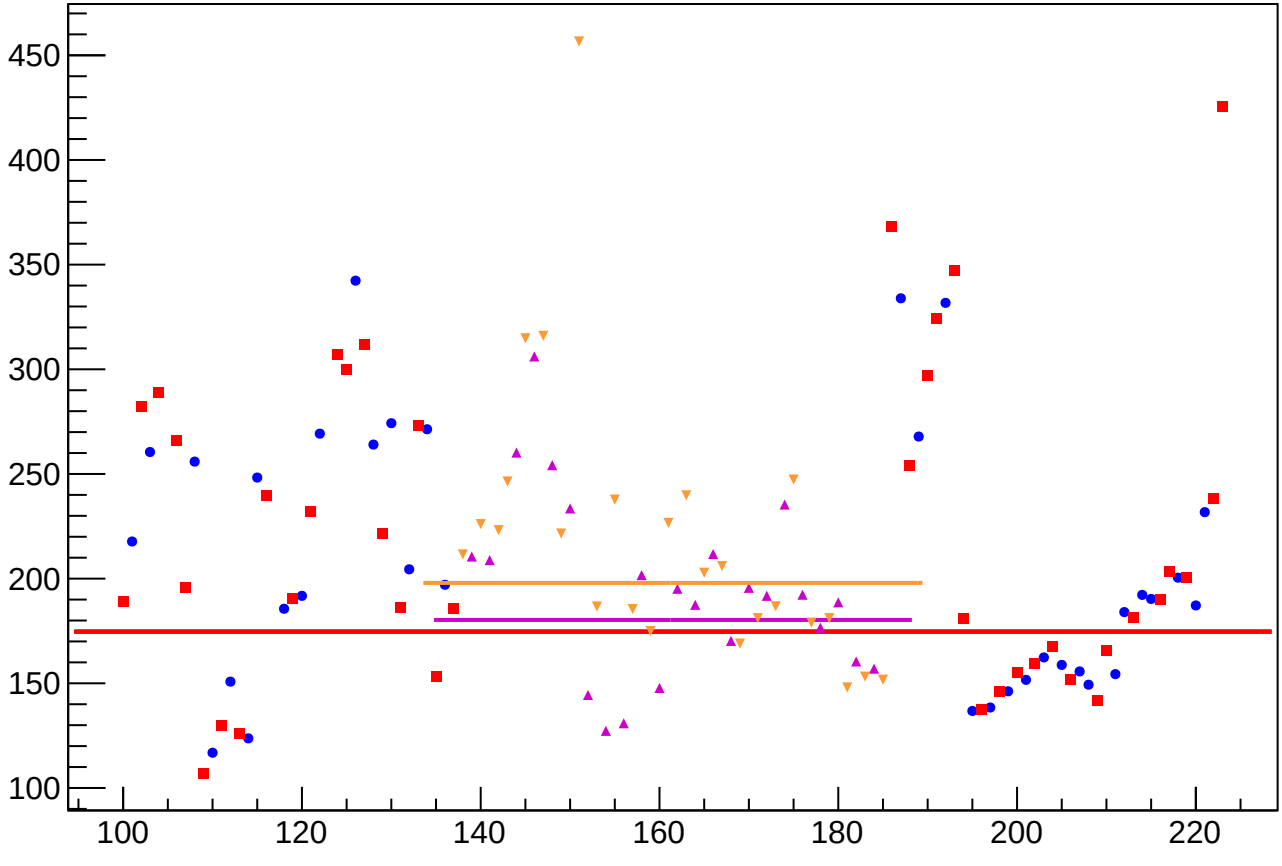
Right: -262.006+/-27.302 χ^2/NDF: 86.2/72

In: -81.777+/-29.055 χ^2/NDF:81.7/56

Out: -106.751+/-29.706 χ^2/NDF:111.8/63

All: -93.988+/-20.771 χ^2/NDF: 193.9/120

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

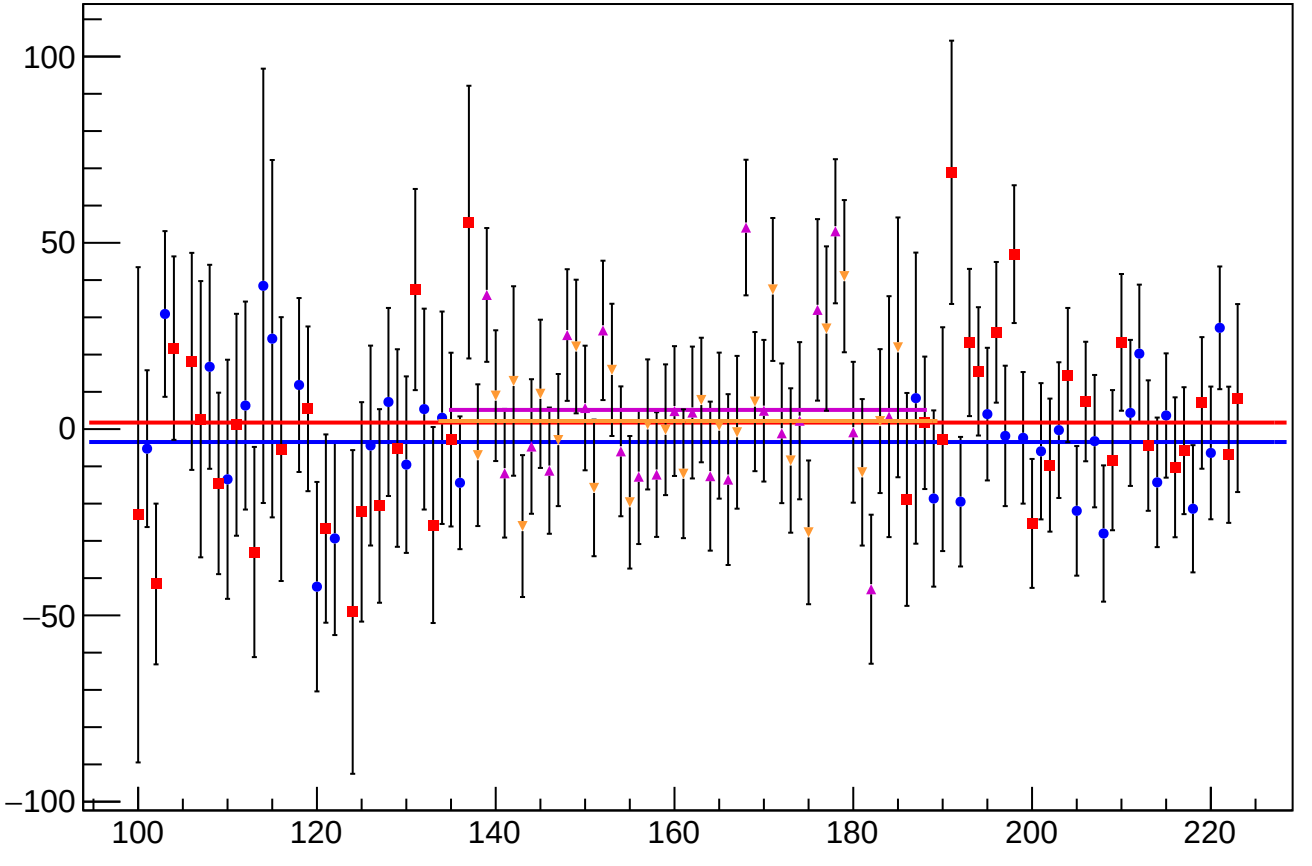
Right: 174.678+/-0.019 χ^2/NDF: 6090464.6/72

In: 177.186+/-0.021 χ^2/NDF:4141259.4/56

Out: 184.051+/-0.021 χ^2/NDF:5681896.7/63

All: 180.543+/-0.015 χ^2/NDF: 9877748.0/120

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

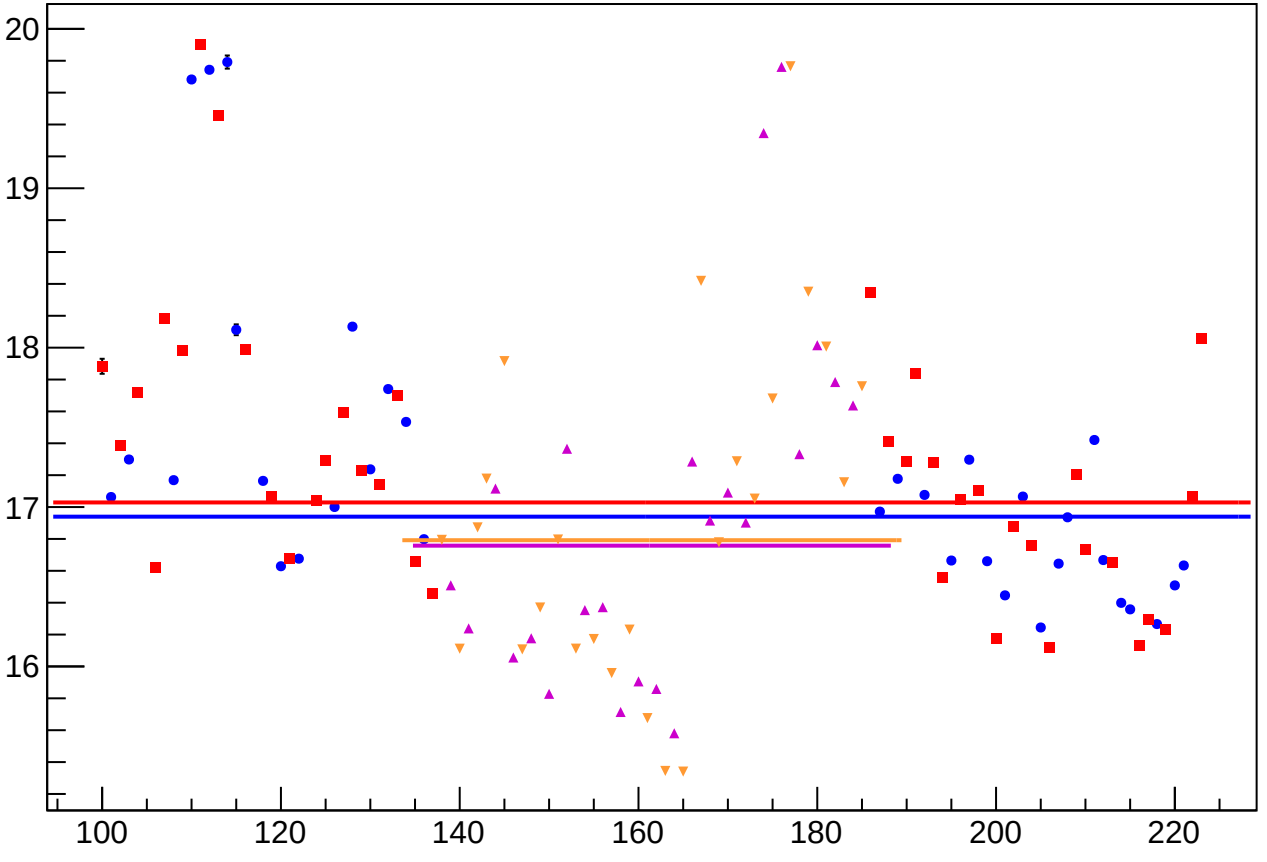
Right: -0.821+/-2.535 χ^2/NDF: 56.9/72

In: 0.483+/-2.657 χ^2/NDF:54.5/56

Out: 1.948+/-2.606 χ^2/NDF:56.2/63

All: 1.229+/-1.860 χ^2/NDF: 110.8/120

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

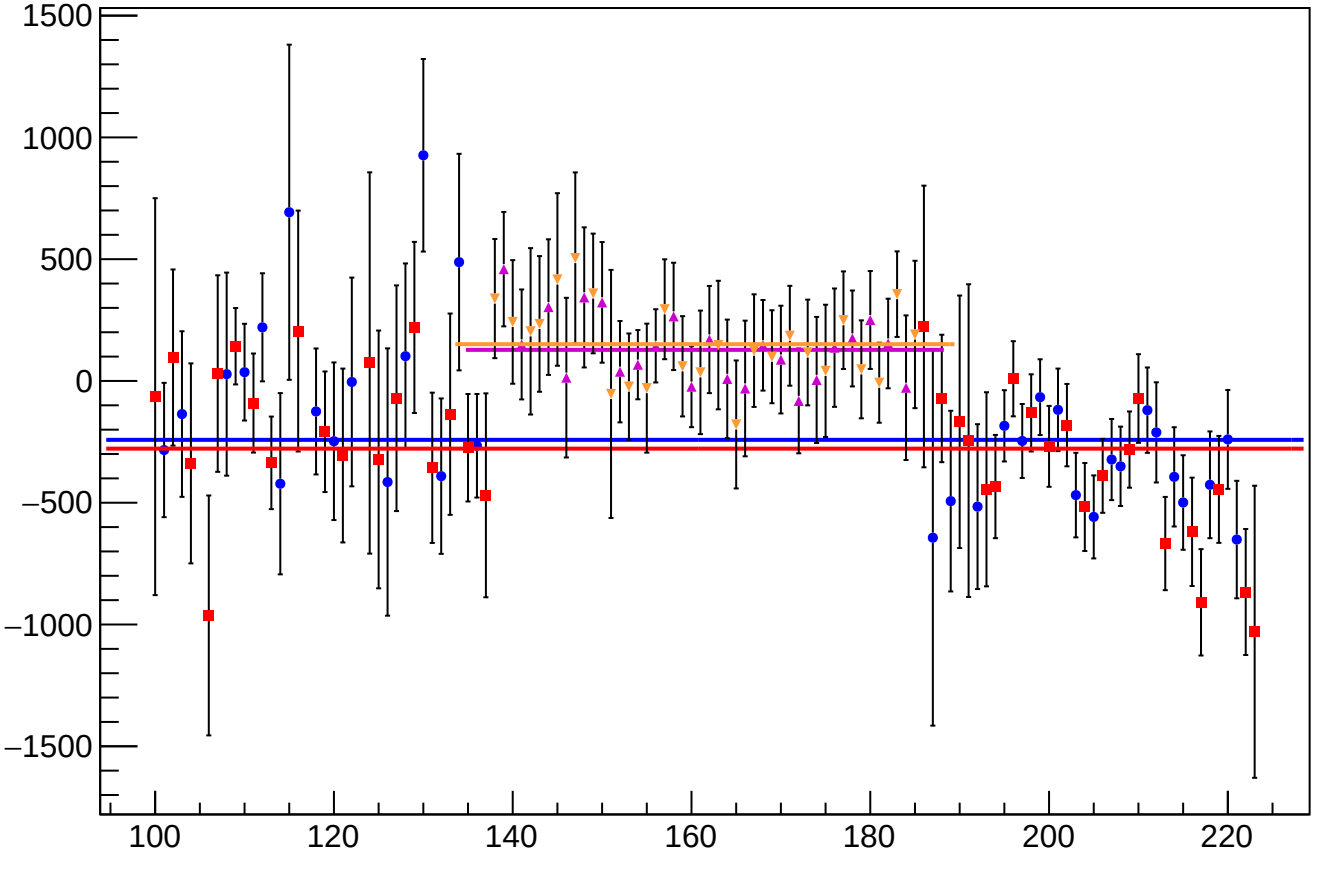
Right: 16.985+/-0.002 χ^2/NDF: 152653.0/72

In: 16.856+/-0.002 χ^2/NDF:193613.9/56

Out: 16.919+/-0.002 χ^2/NDF:225167.2/63

All: 16.888+/-0.001 χ^2/NDF: 419346.9/120

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -241.781+/-38.911 χ^2/NDF: 37.6/33

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -277.870+/-38.805 χ^2/NDF: 48.2/38

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

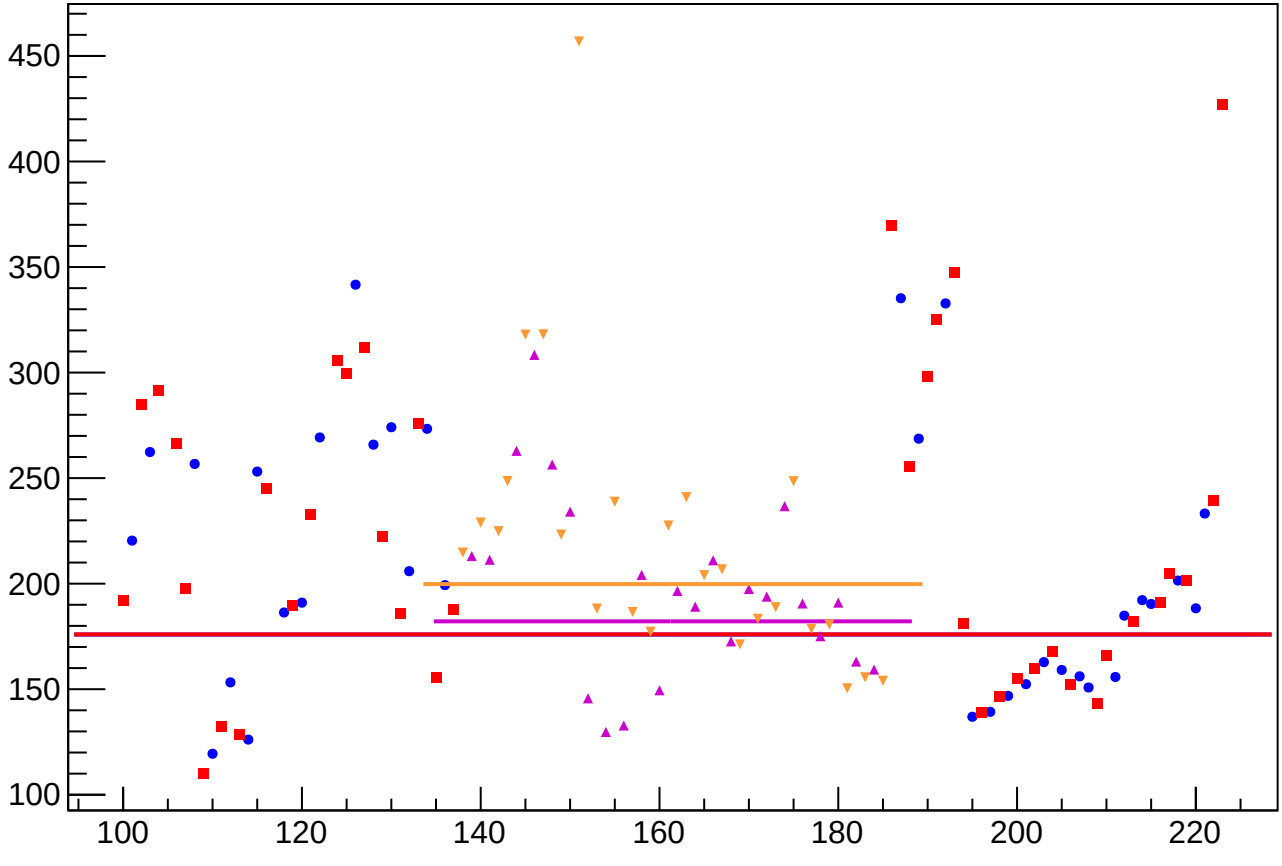
Right: -259.874+/-27.477 χ^2/NDF: 86.2/72

In: -81.381+/-29.271 χ^2/NDF:84.6/56

Out: -104.223+/-29.933 χ^2/NDF:107.6/63

All: -92.547+/-20.928 χ^2/NDF: 192.5/120

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

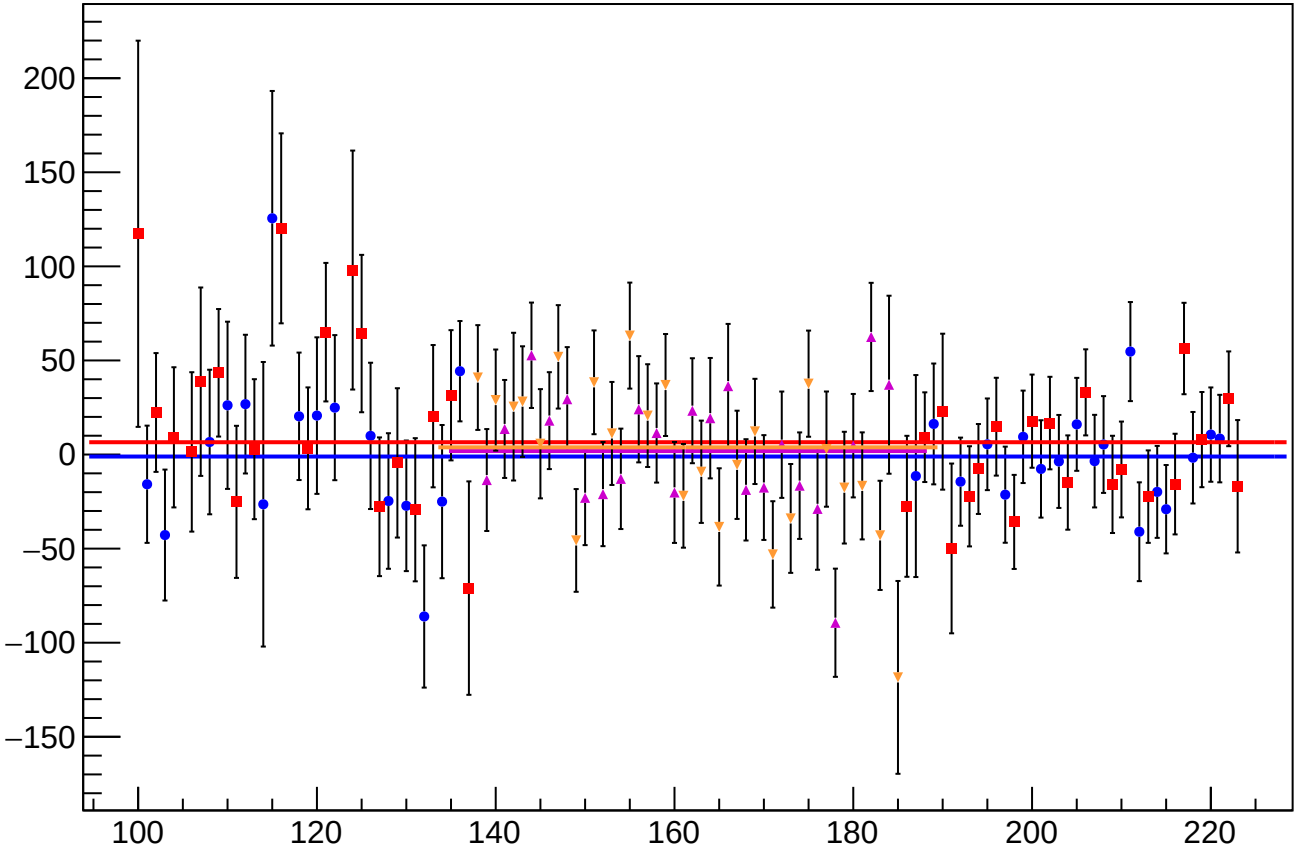
Right: 175.931+/-0.019 χ^2/NDF: 5988761.4/72

In: 178.604+/-0.021 χ^2/NDF:4079952.8/56

Out: 185.619+/-0.021 χ^2/NDF:5580885.8/63

All: 182.033+/-0.015 χ^2/NDF: 9716987.8/120

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

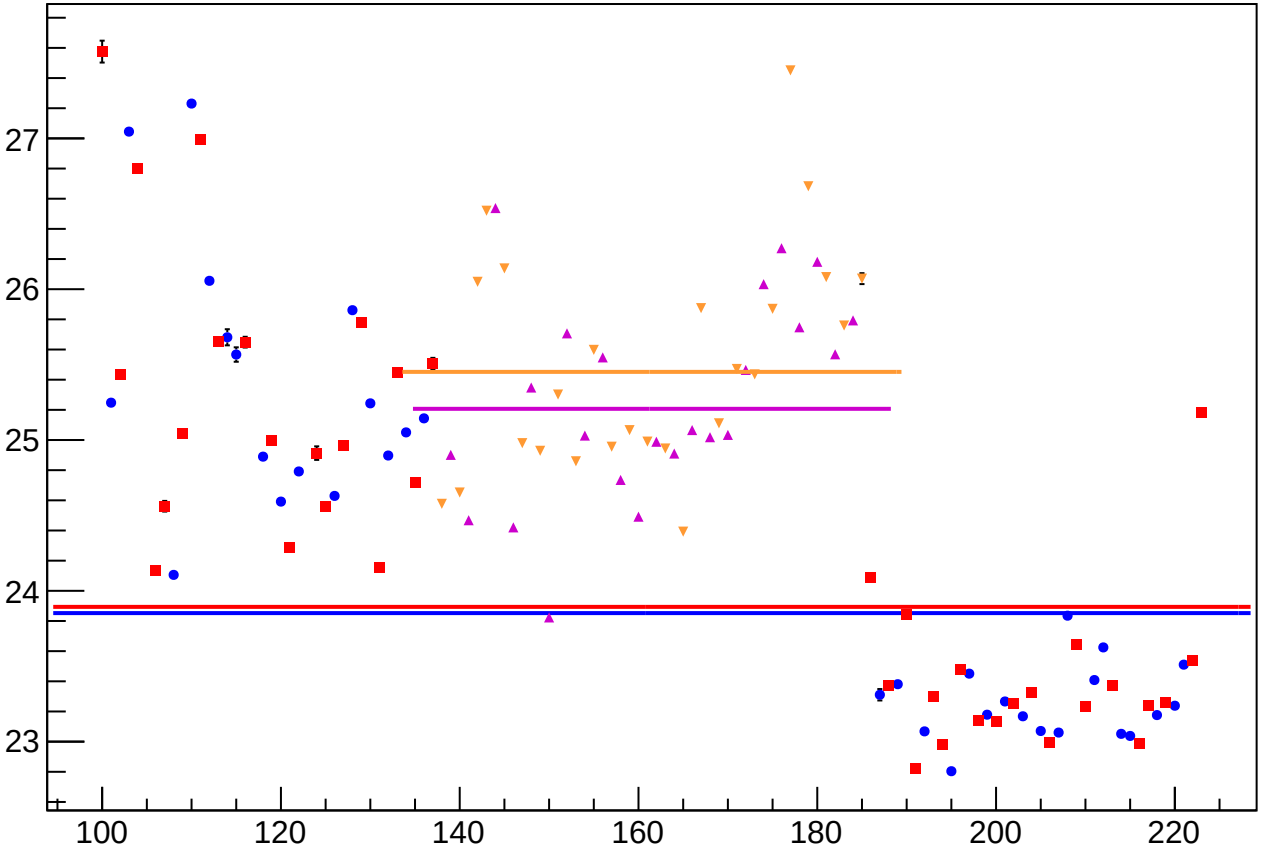
Right: 2.805+/-3.561 χ^2/NDF: 67.0/72

In: 0.179+/-3.848 χ^2/NDF:56.4/56

Out: 5.385+/-3.781 χ^2/NDF:75.5/63

All: 2.828+/-2.697 χ^2/NDF: 132.8/120

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

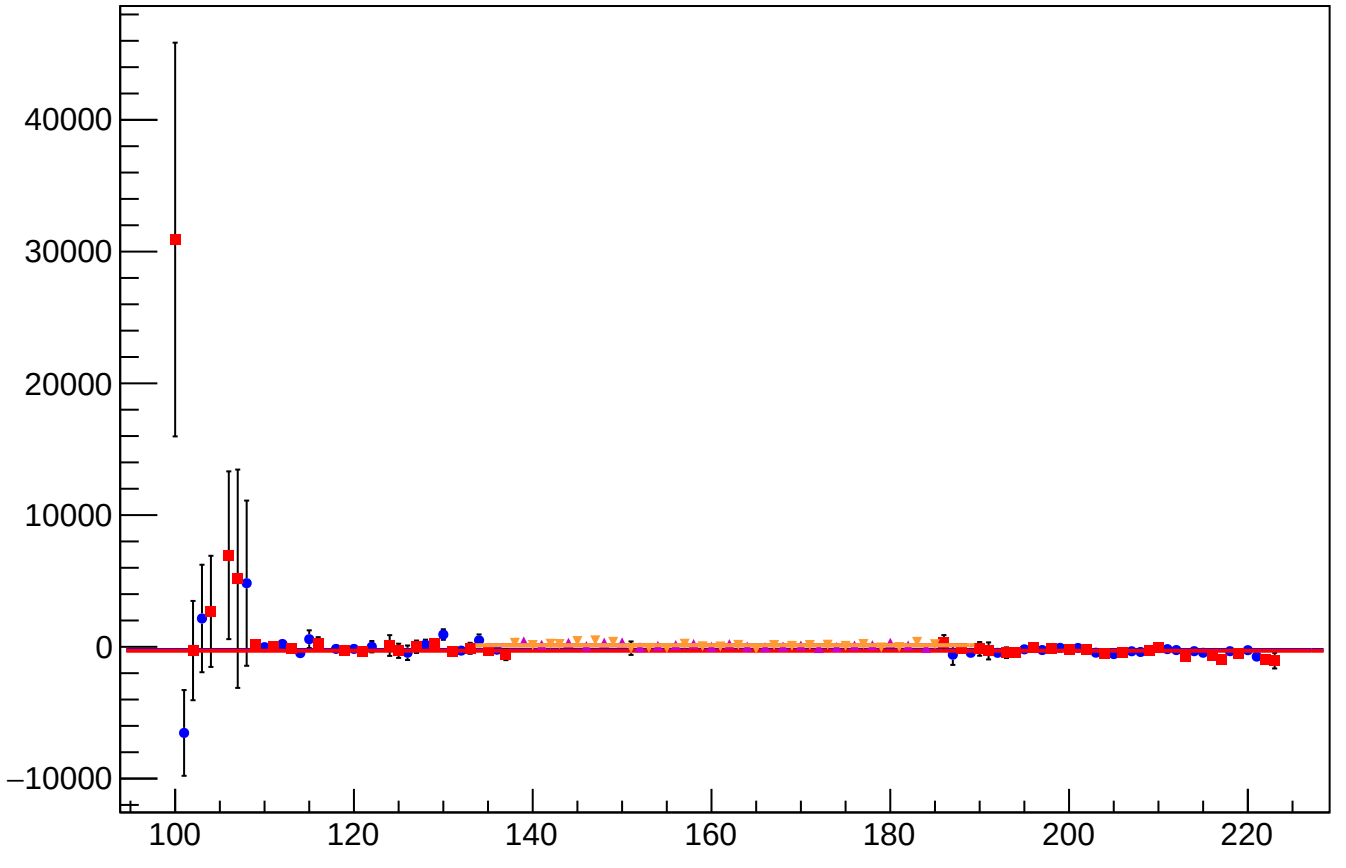
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 23.873+/-0.003 χ^2/NDF: 170862.4/72

In: 24.430+/-0.003 χ^2/NDF:174084.5/56

Out: 24.558+/-0.003 χ^2/NDF:195847.0/63

All: 24.495+/-0.002 χ^2/NDF: 371066.0/120



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

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

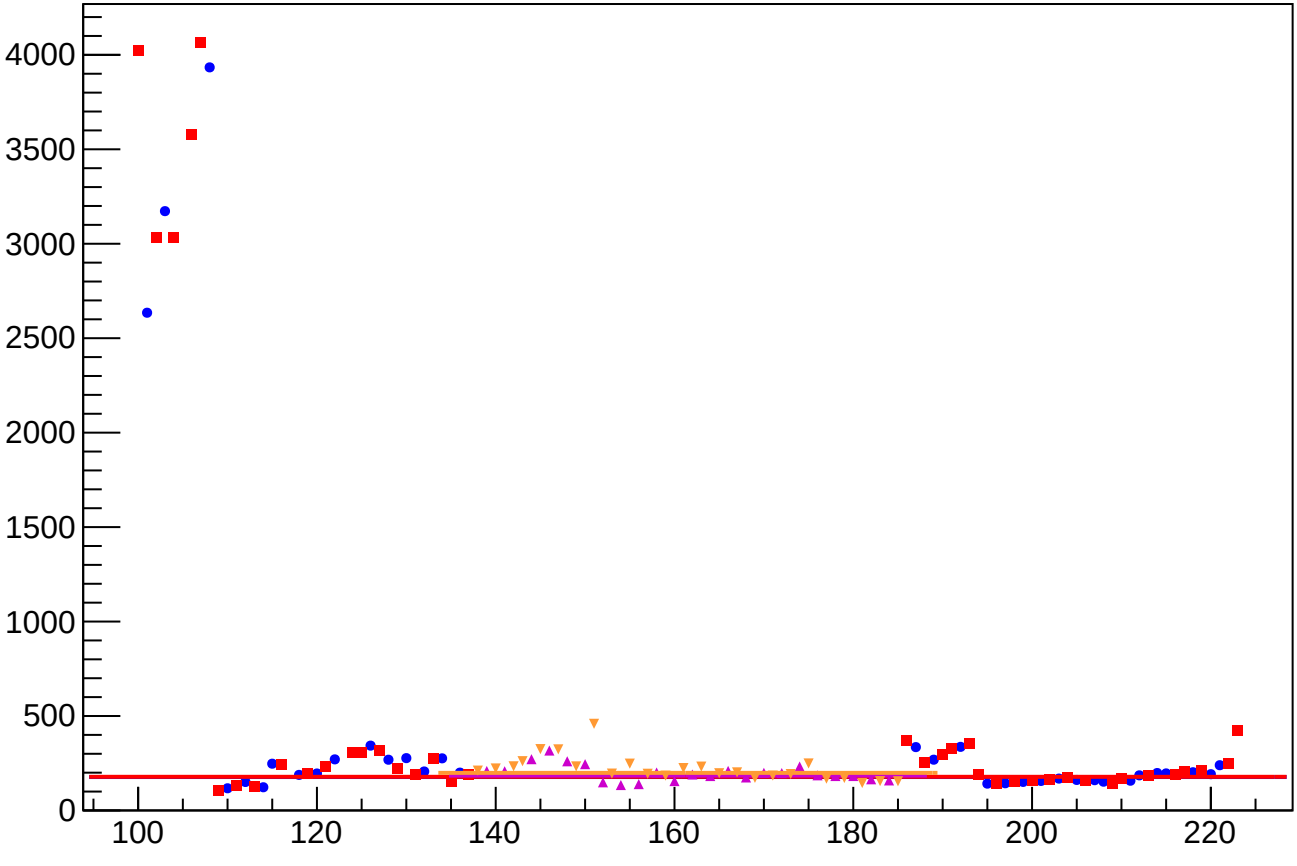
Right: -267.808+/-28.707 χ^2/NDF: 94.8/72

In: -80.219+/-30.037 χ^2/NDF:82.6/56

Out: -114.561+/-30.775 χ^2/NDF:111.2/63

All: -96.973+/-21.496 χ^2/NDF: 194.5/120

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

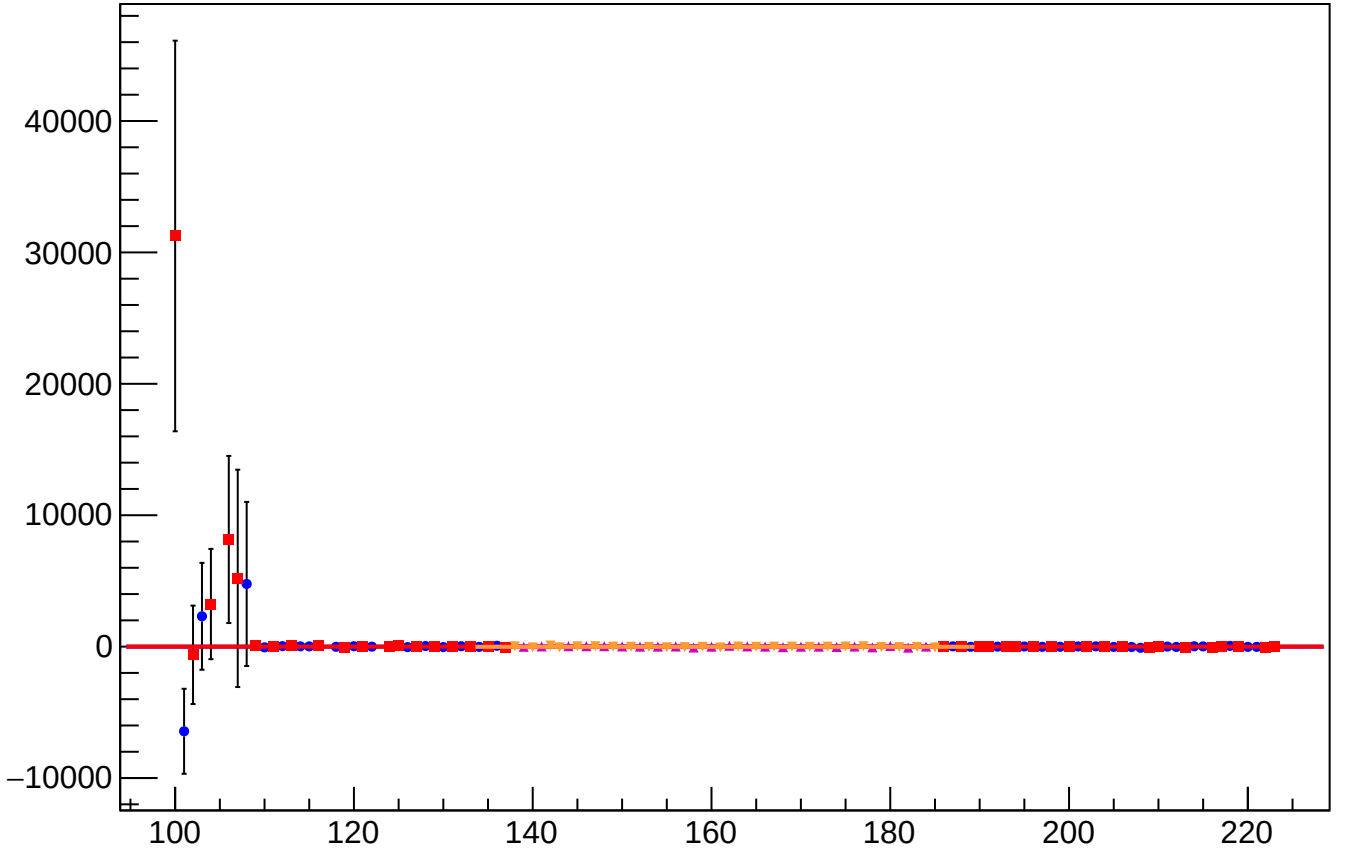
Right: 177.525+/-0.020 χ^2/NDF: 11297017.0/72

In: 180.293+/-0.021 χ^2/NDF:6592126.5/56

Out: 187.087+/-0.022 χ^2/NDF:8308865.9/63

All: 183.608+/-0.015 χ^2/NDF: 14950901.6/12

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

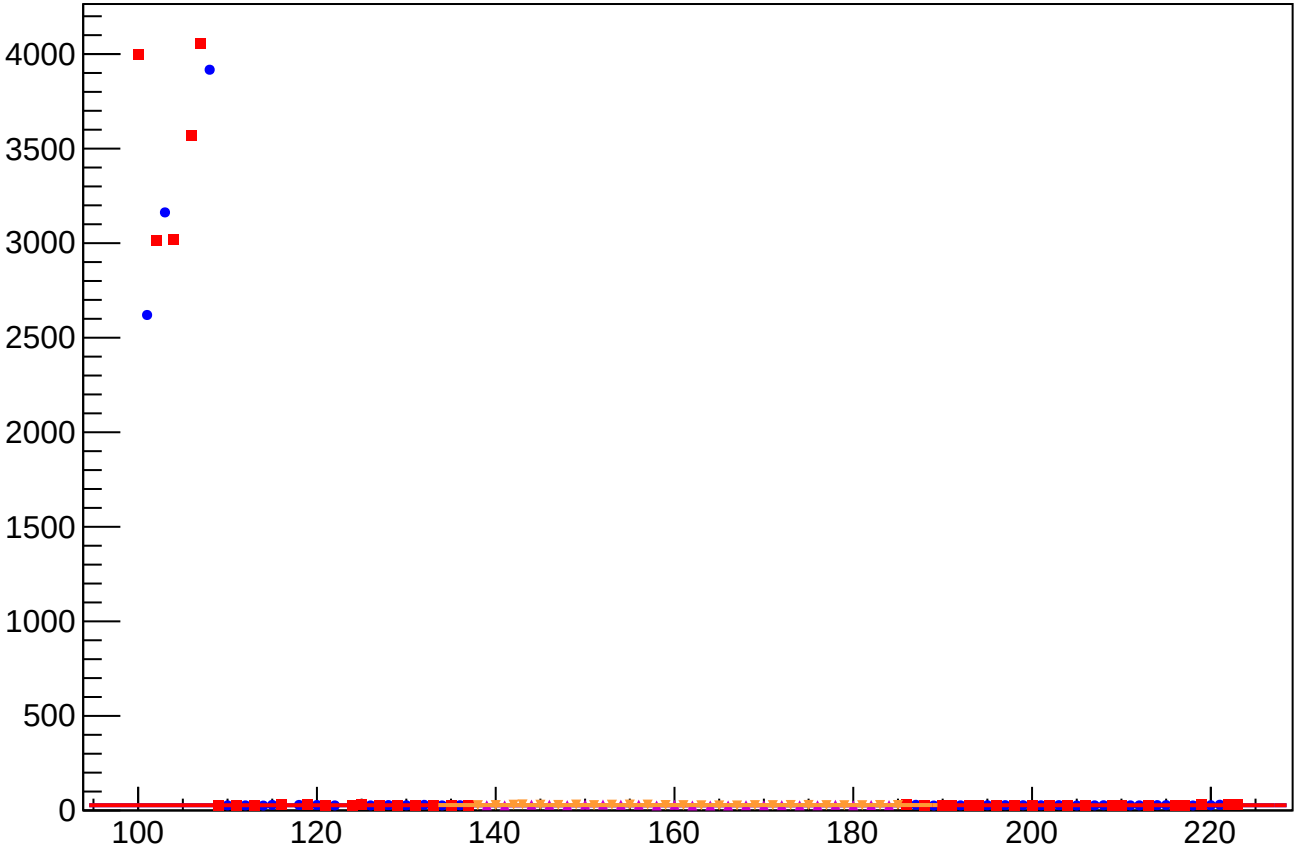
Right: -0.567+/-4.299 χ^2/NDF: 83.0/72

In: 0.743+/-4.507 χ^2/NDF:63.3/56

Out: -7.268+/-4.440 χ^2/NDF:72.8/63

All: -3.322+/-3.163 χ^2/NDF: 137.7/120

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

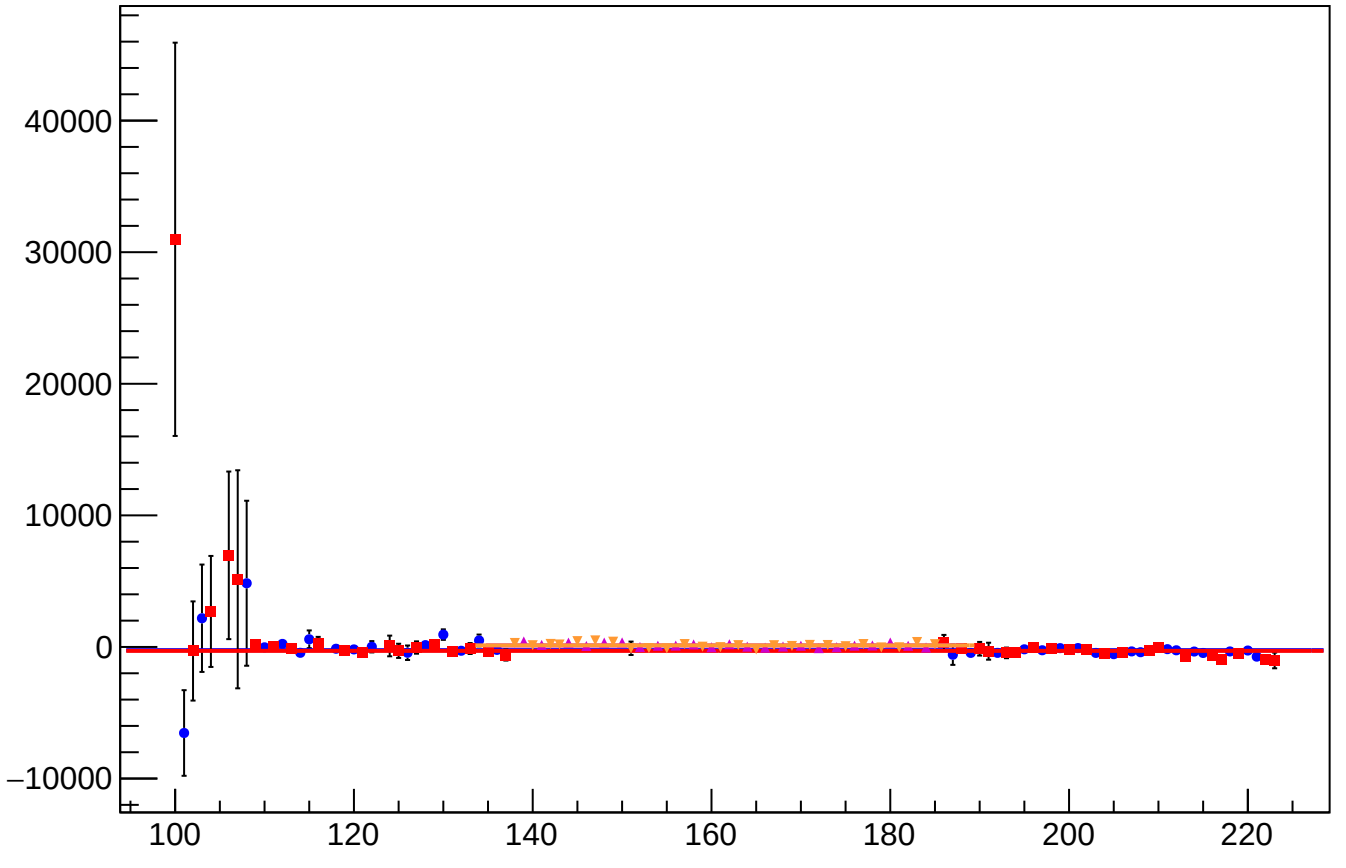
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.582+/-0.003 χ^2/NDF: 6977279.0/72

In: 27.999+/-0.003 χ^2/NDF:3456851.6/56

Out: 28.093+/-0.003 χ^2/NDF:3782063.9/63

All: 28.047+/-0.002 χ^2/NDF: 7239348.9/120



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

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

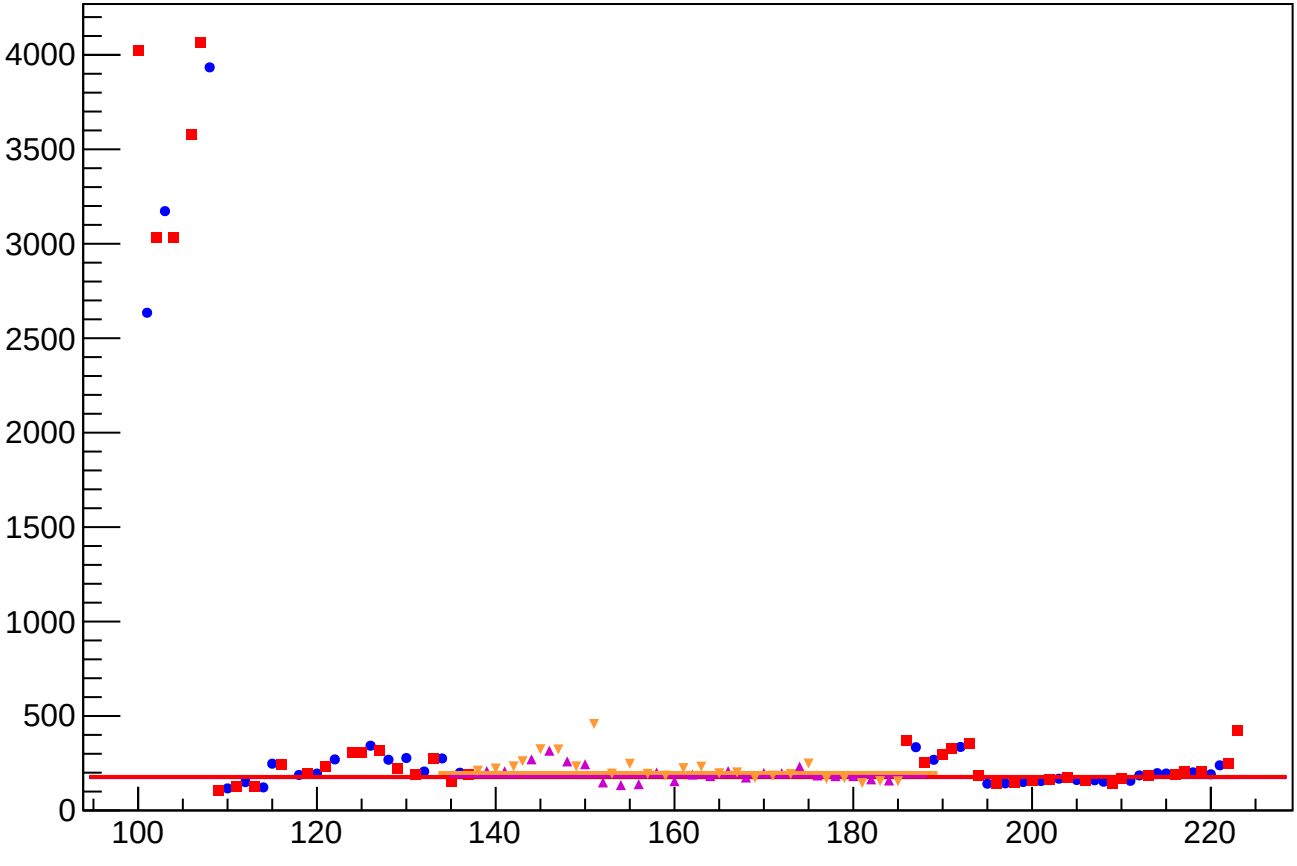
Right: -269.464+/-28.626 χ^2/NDF: 96.5/72

In: -82.062+/-29.963 χ^2/NDF:84.0/56

Out: -116.738+/-30.698 χ^2/NDF:113.1/63

All: -98.980+/-21.442 χ^2/NDF: 197.8/120

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

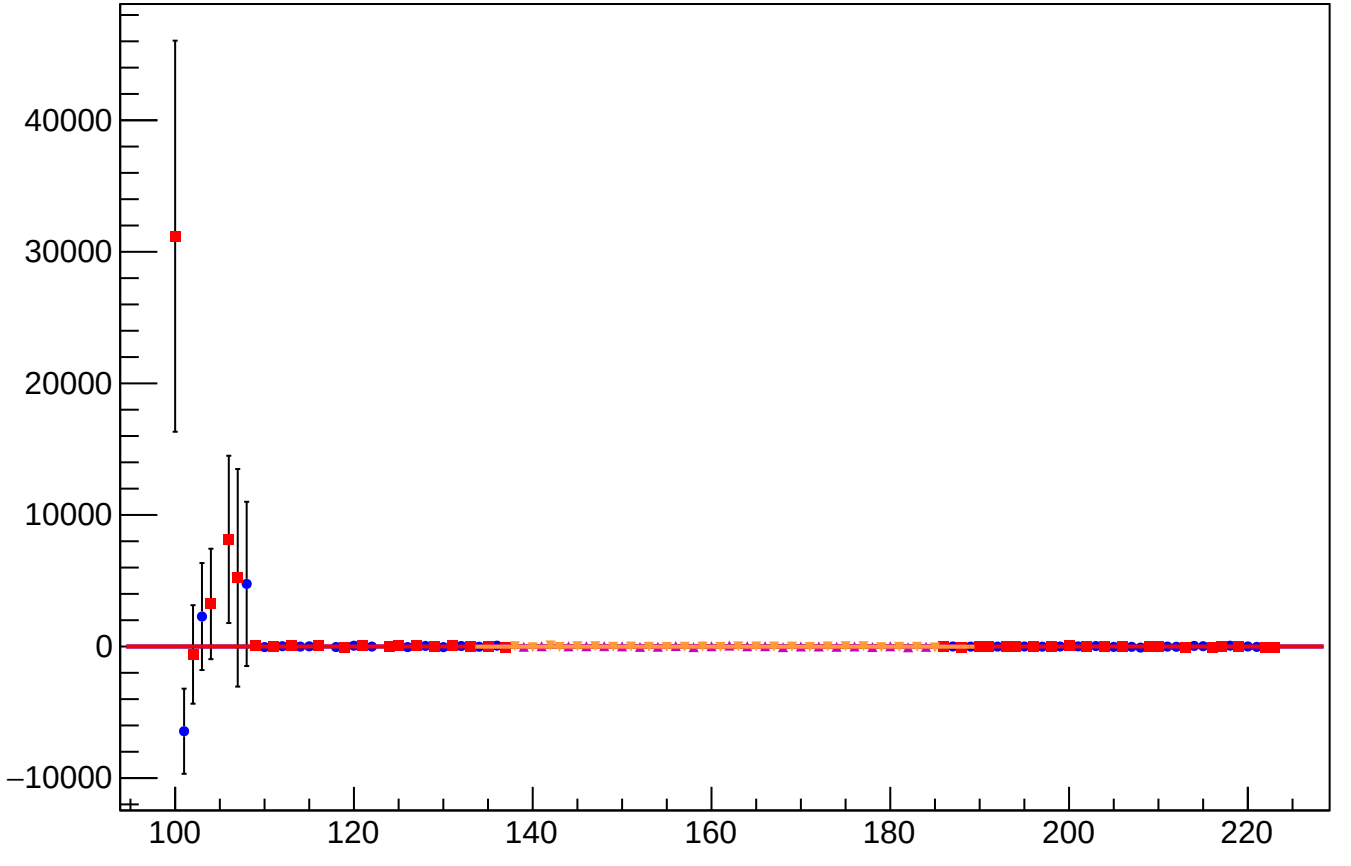
Right: 176.980+/-0.020 χ^2/NDF: 11332983.1/72

In: 179.831+/-0.021 χ^2/NDF:6607244.0/56

Out: 186.589+/-0.022 χ^2/NDF:8333652.2/63

All: 183.129+/-0.015 χ^2/NDF: 14990529.2/12

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

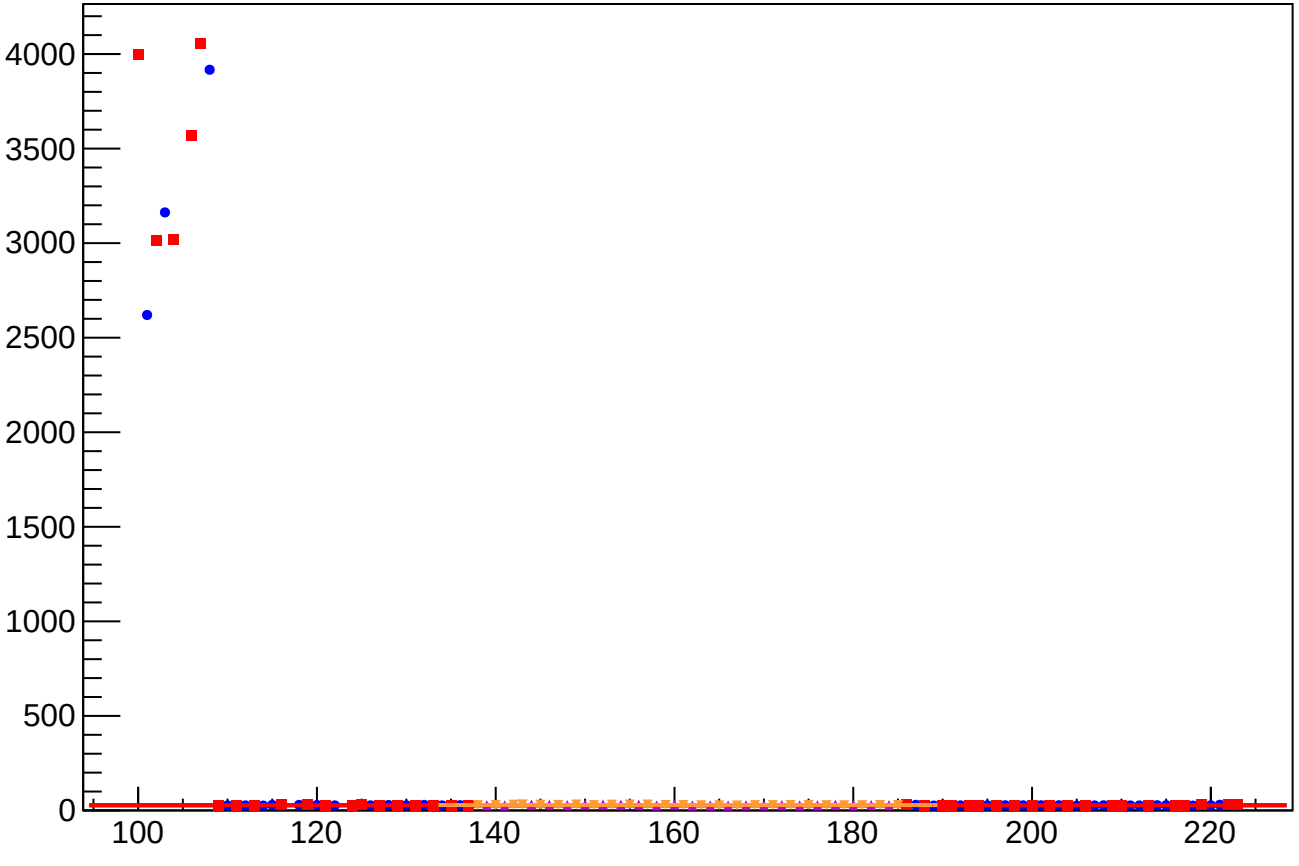
Right: 0.501+/-4.274 χ^2/NDF: 84.8/72

In: 1.452+/-4.499 χ^2/NDF:61.4/56

Out: -5.213+/-4.437 χ^2/NDF:65.4/63

All: -1.926+/-3.159 χ^2/NDF: 128.0/120

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

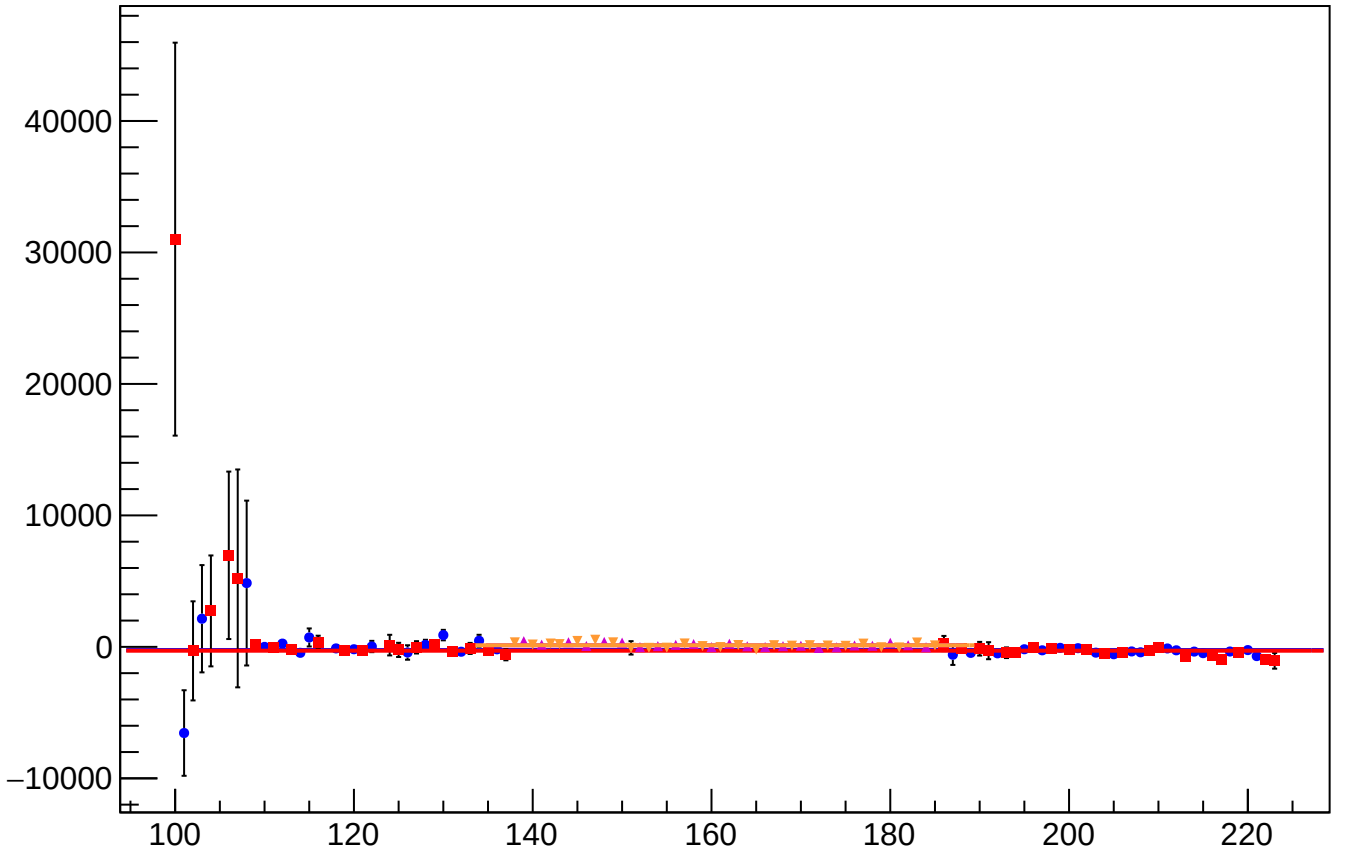
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.417+/-0.003 χ^2/NDF: 6992737.4/72

In: 27.947+/-0.003 χ^2/NDF:3488639.3/56

Out: 28.065+/-0.003 χ^2/NDF:3813577.8/63

All: 28.007+/-0.002 χ^2/NDF: 7302909.7/120



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

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

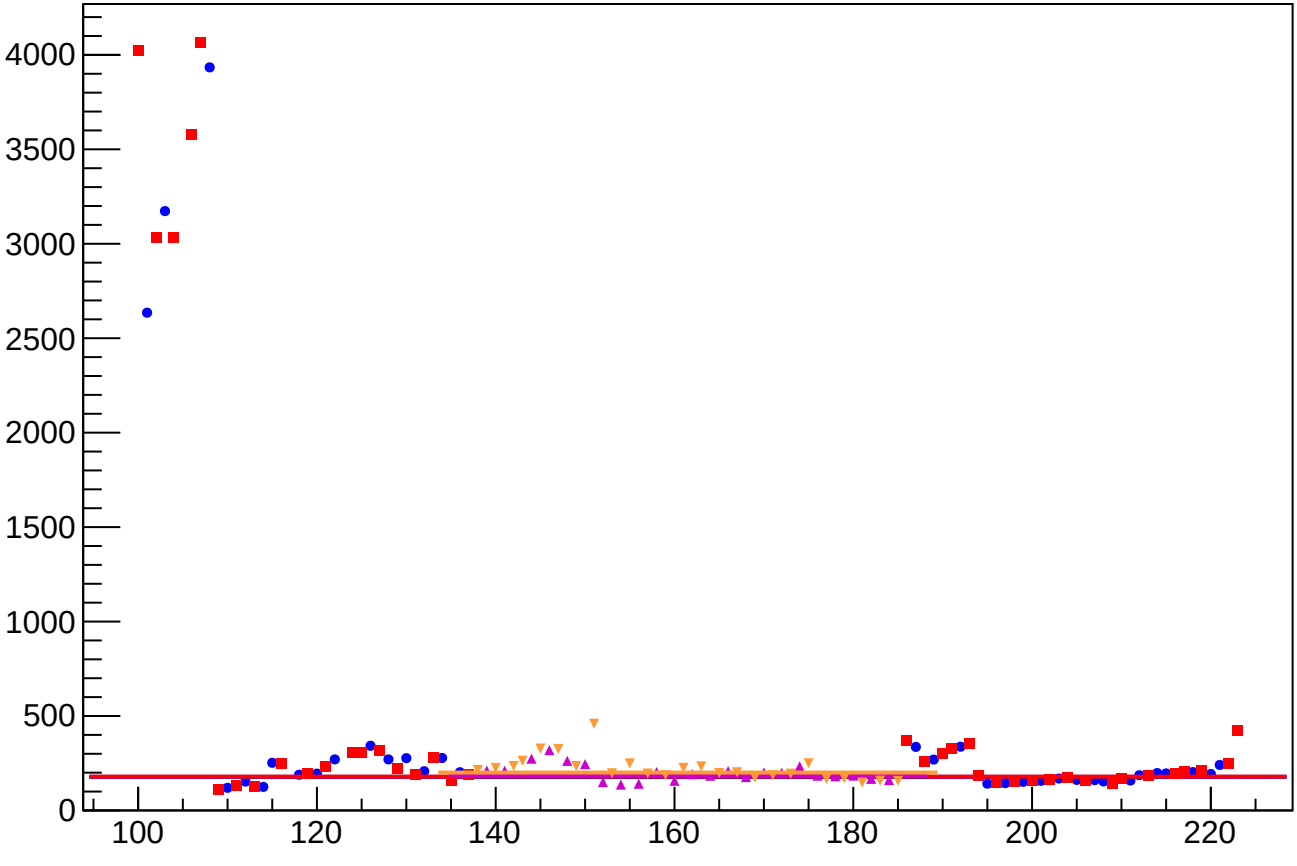
Right: -266.195+/-28.835 χ^2/NDF: 94.1/72

In: -79.258+/-30.226 χ^2/NDF:85.4/56

Out: -113.551+/-30.962 χ^2/NDF:107.5/63

All: -95.992+/-21.629 χ^2/NDF: 193.6/120

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



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

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

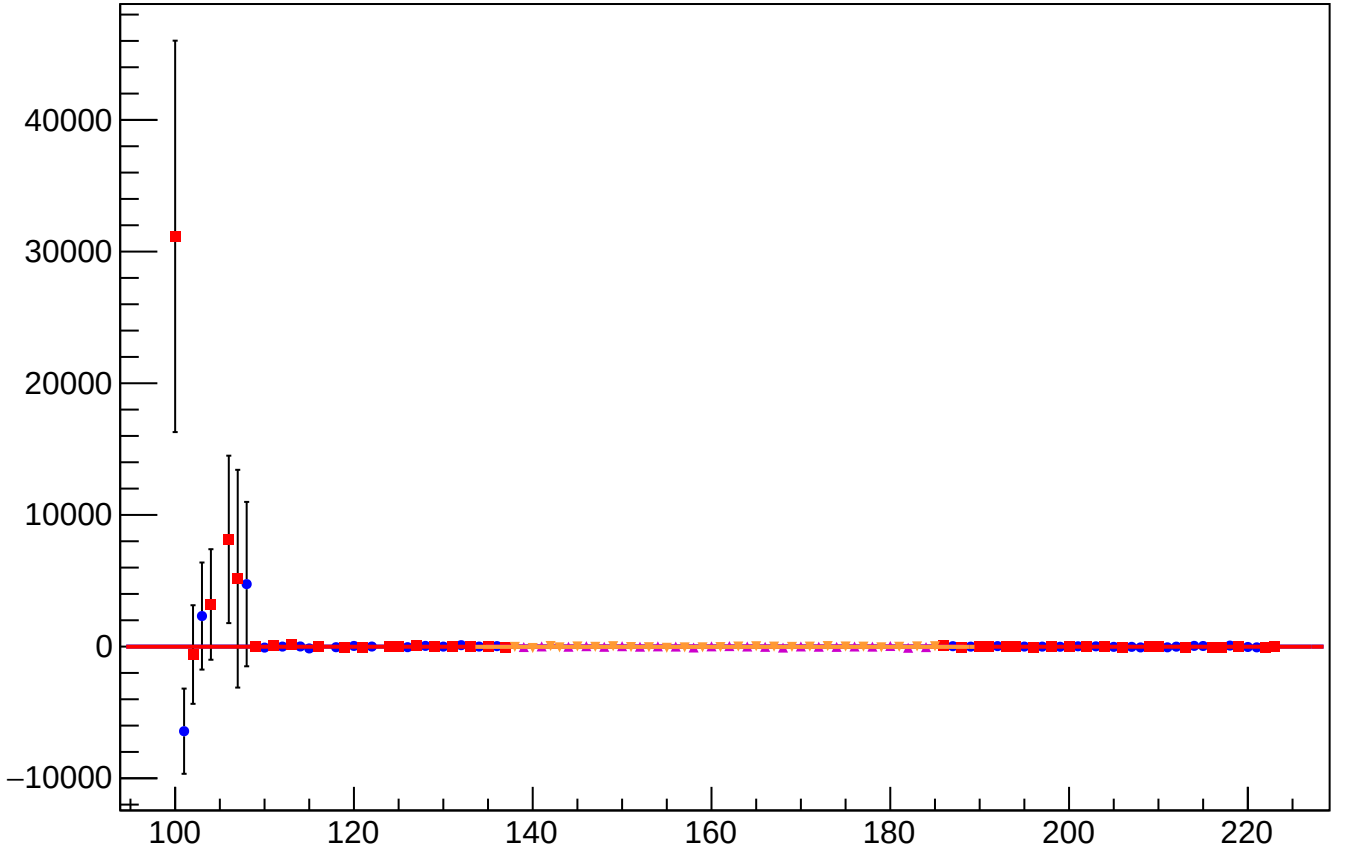
Right: 178.409+/-0.020 χ^2/NDF: 11227263.4/72

In: 181.516+/-0.021 χ^2/NDF:6544149.0/56

Out: 188.324+/-0.022 χ^2/NDF:8252753.8/63

All: 184.838+/-0.015 χ^2/NDF: 14846404.3/12

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

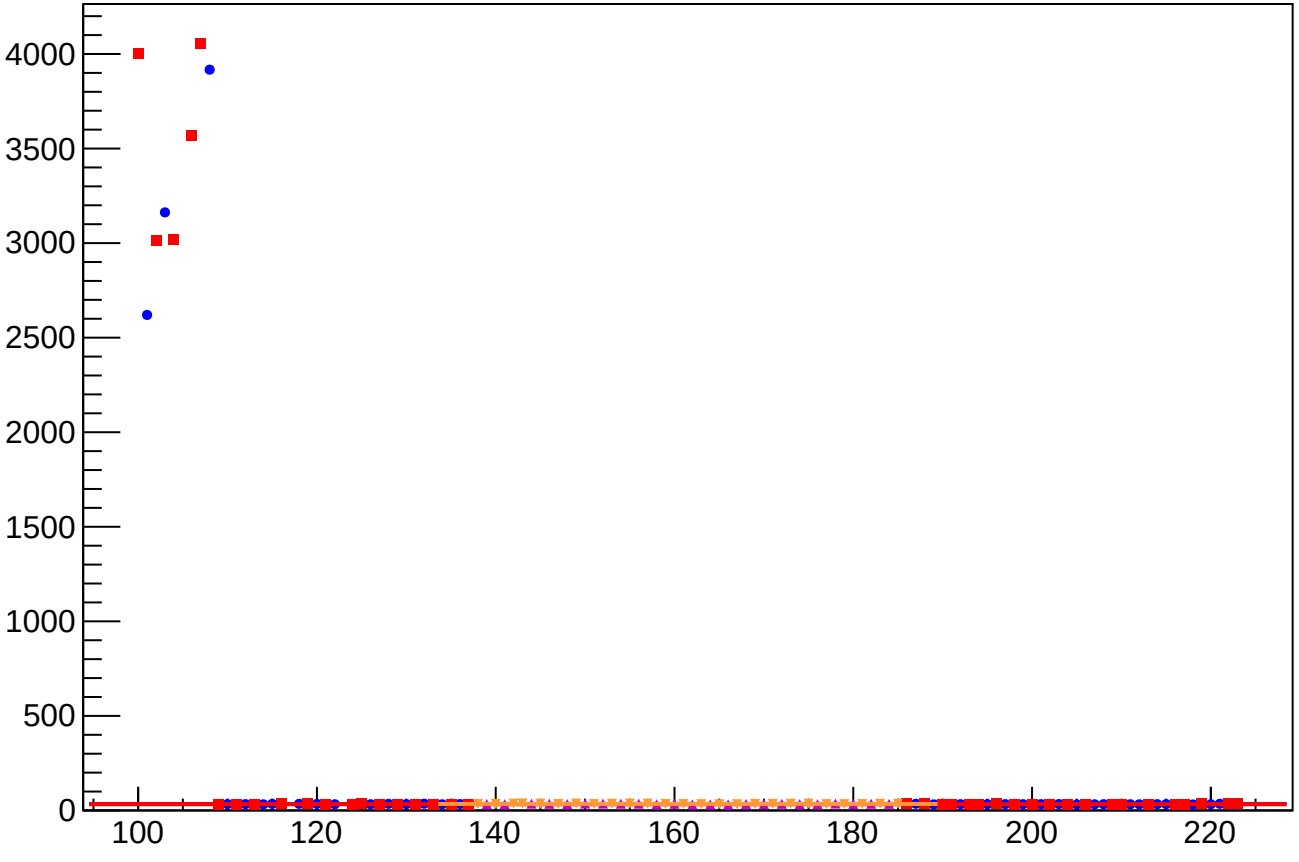
Right: -3.580+/-5.198 χ^2/NDF: 84.4/72

In: -0.500+/-5.443 χ^2/NDF:57.5/56

Out: -15.012+/-5.357 χ^2/NDF:69.0/63

All: -7.871+/-3.818 χ^2/NDF: 130.1/120

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

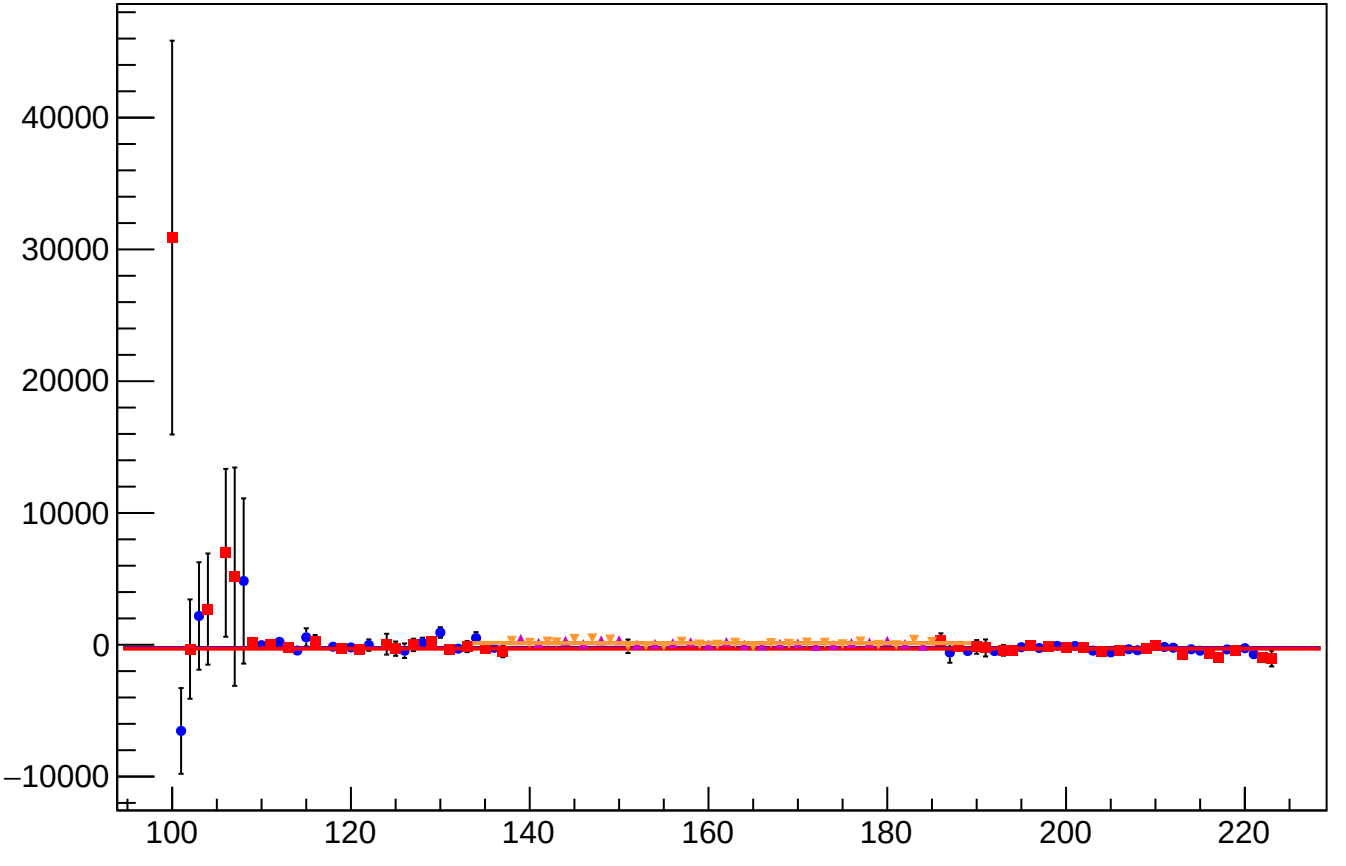
Right: 33.398+/-0.004 χ^2/NDF: 6855181.7/72

In: 33.858+/-0.004 χ^2/NDF:3353584.4/56

Out: 33.946+/-0.004 χ^2/NDF:3646382.6/63

All: 33.903+/-0.003 χ^2/NDF: 7000232.9/120

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

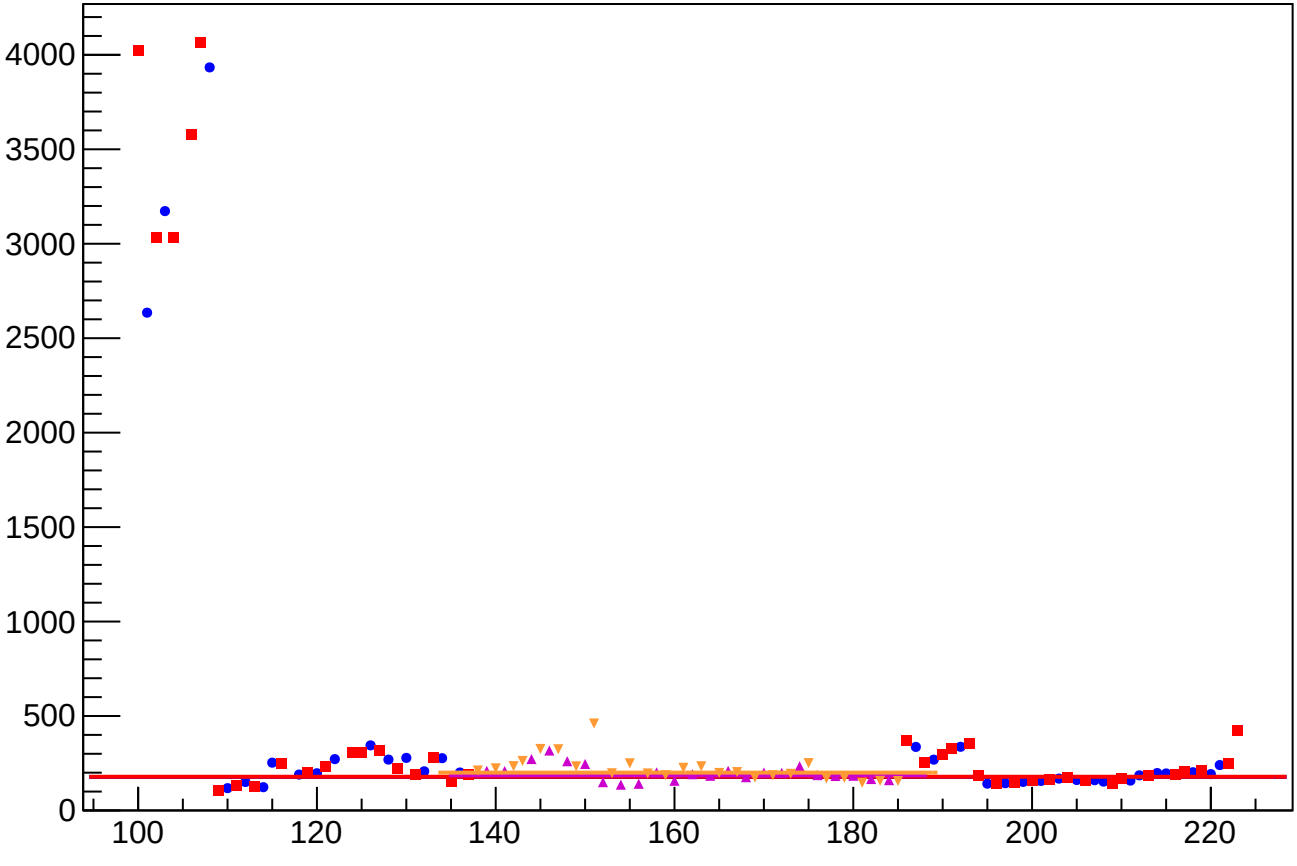
Right: -269.424+/-28.744 χ^2/NDF: 94.1/72

In: -81.700+/-30.157 χ^2/NDF:84.6/56

Out: -113.389+/-30.882 χ^2/NDF:110.9/63

All: -97.168+/-21.576 χ^2/NDF: 196.0/120

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

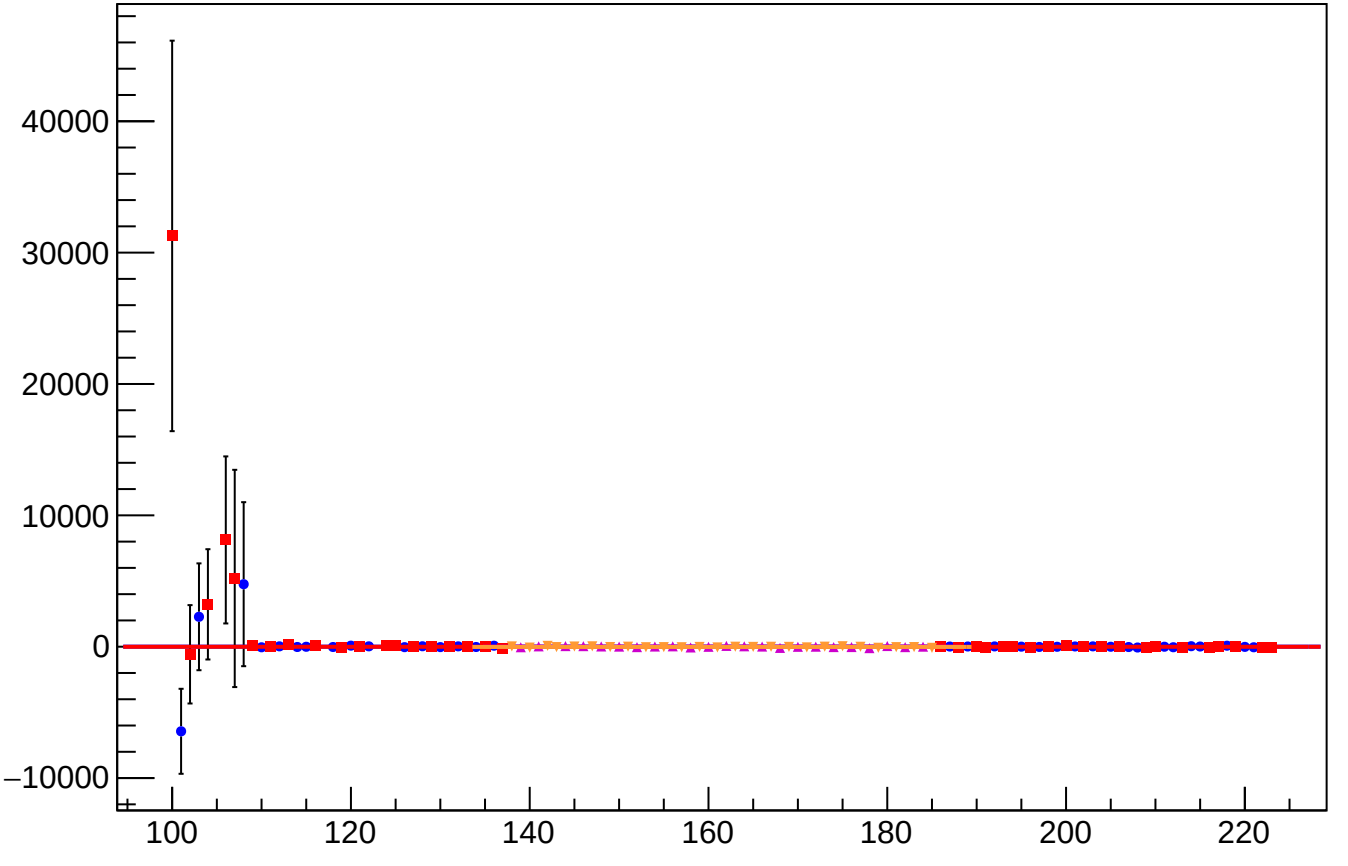
Right: 177.737+/-0.020 χ^2/NDF: 11316052.0/72

In: 181.046+/-0.021 χ^2/NDF:6571487.7/56

Out: 187.742+/-0.022 χ^2/NDF:8316791.6/63

All: 184.315+/-0.015 χ^2/NDF: 14936411.3/12

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

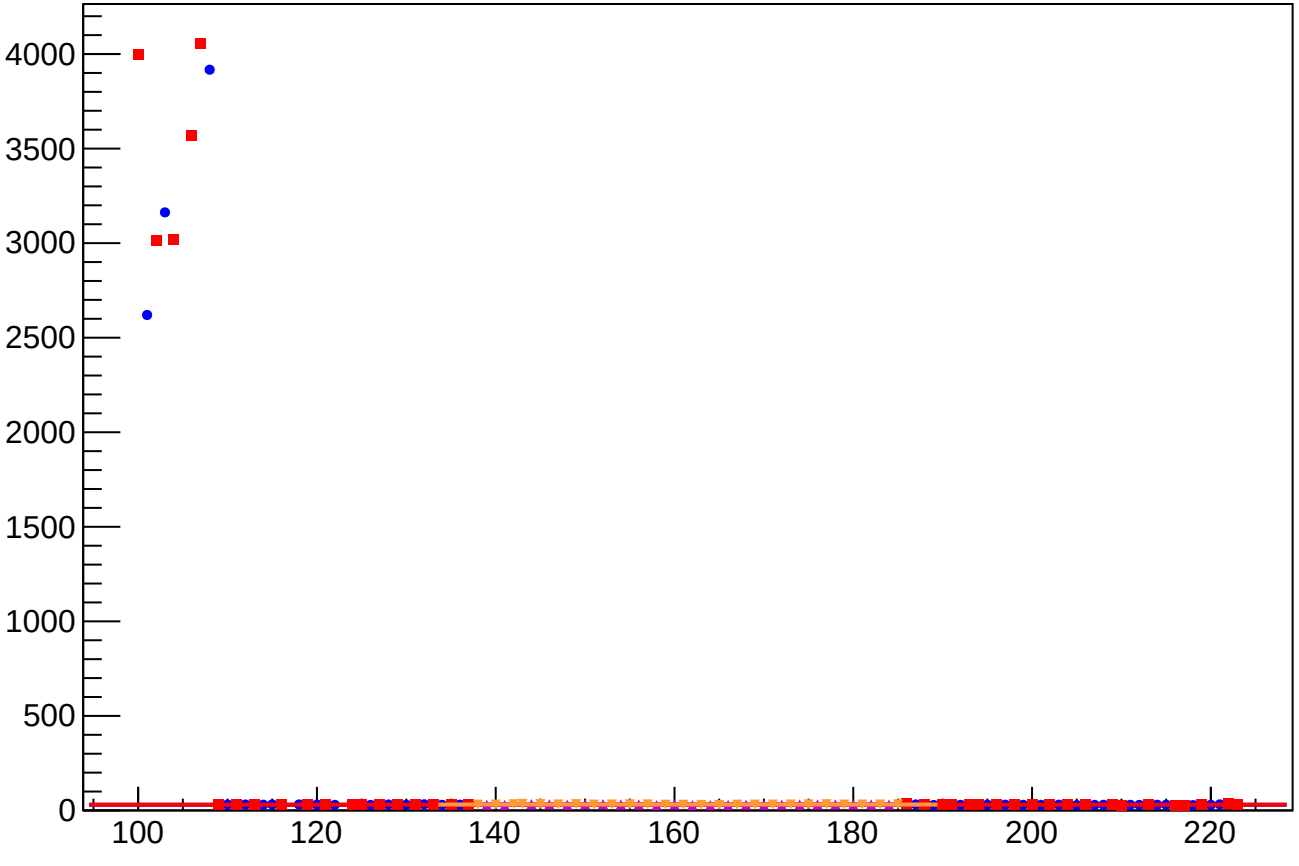
Right: -0.534+/-4.705 χ^2/NDF: 85.4/72

In: 1.161+/-4.935 χ^2/NDF:70.1/56

Out: -11.521+/-4.864 χ^2/NDF:72.5/63

All: -5.272+/-3.464 χ^2/NDF: 145.9/120

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

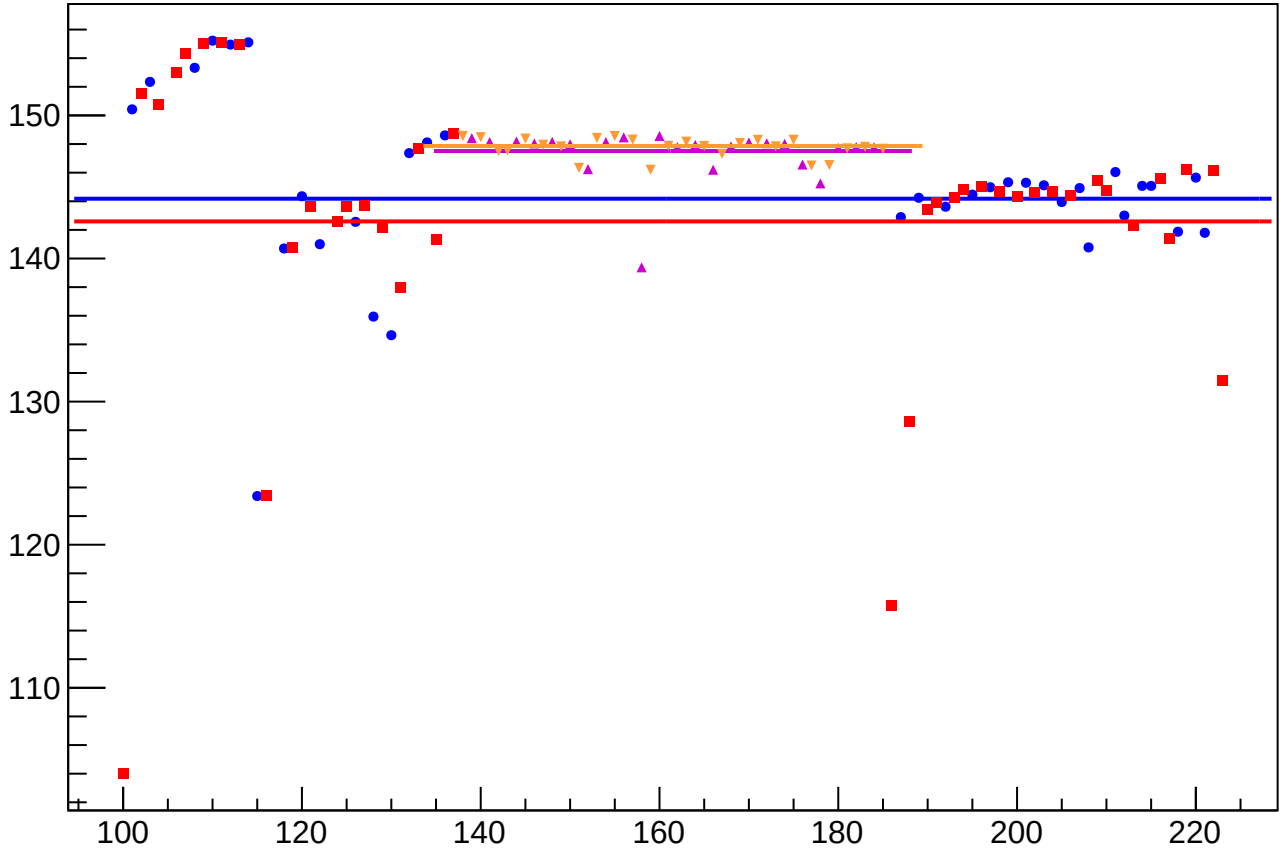
Right: 30.206+/-0.003 χ^2/NDF: 6919326.7/72

In: 30.674+/-0.003 χ^2/NDF:3410747.9/56

Out: 30.792+/-0.003 χ^2/NDF:3711317.6/63

All: 30.734+/-0.002 χ^2/NDF: 7122647.3/120

yield_bcm_target_mean vs Slug, Sign Corrected



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

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

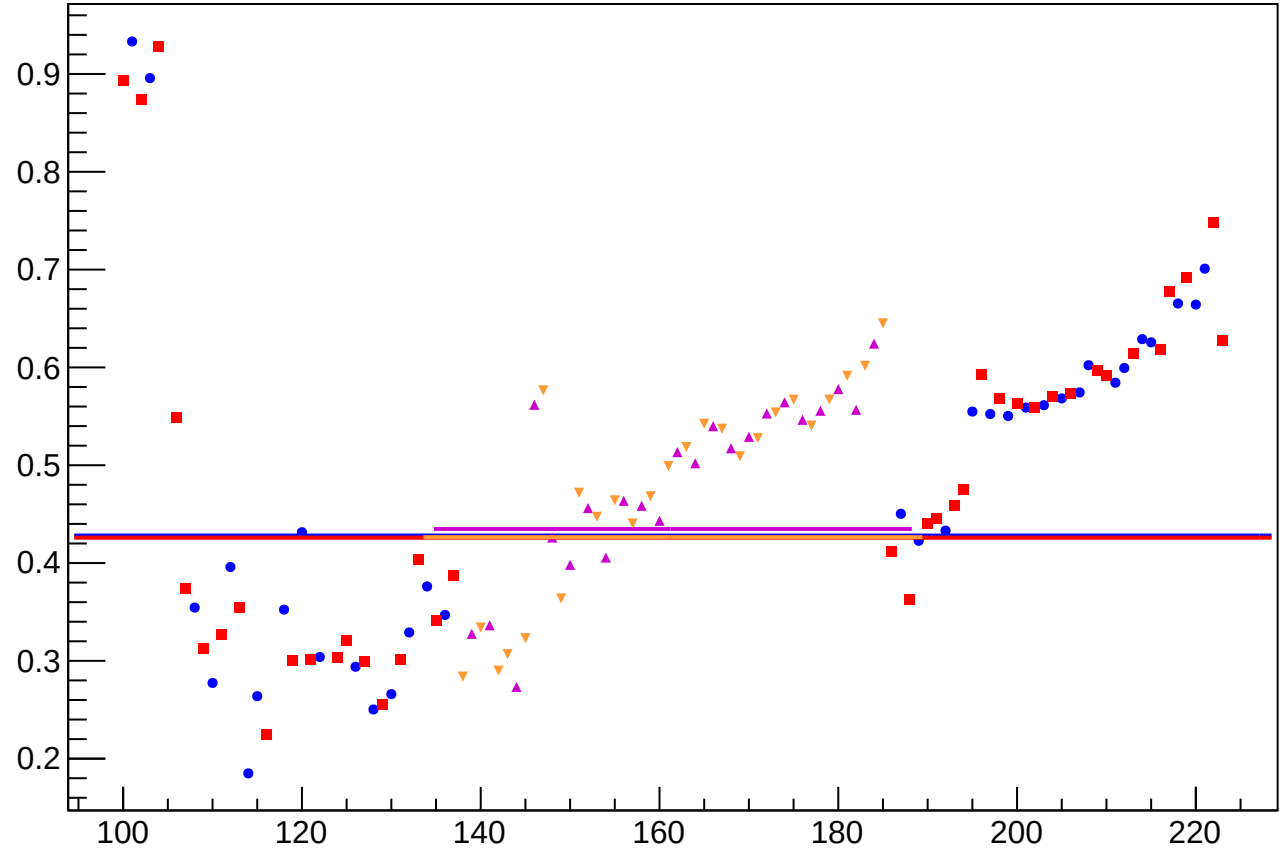
Right: 143.363+/-0.000 χ^2/NDF: 11738589831.9/72

In: 145.739+/-0.000 χ^2/NDF:4640828215.3/56

Out: 145.094+/-0.000 χ^2/NDF:9261002948.3/63

All: 145.405+/-0.000 χ^2/NDF: 13942899889.

yield_bcm_target_rms vs Slug, Sign Corrected



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

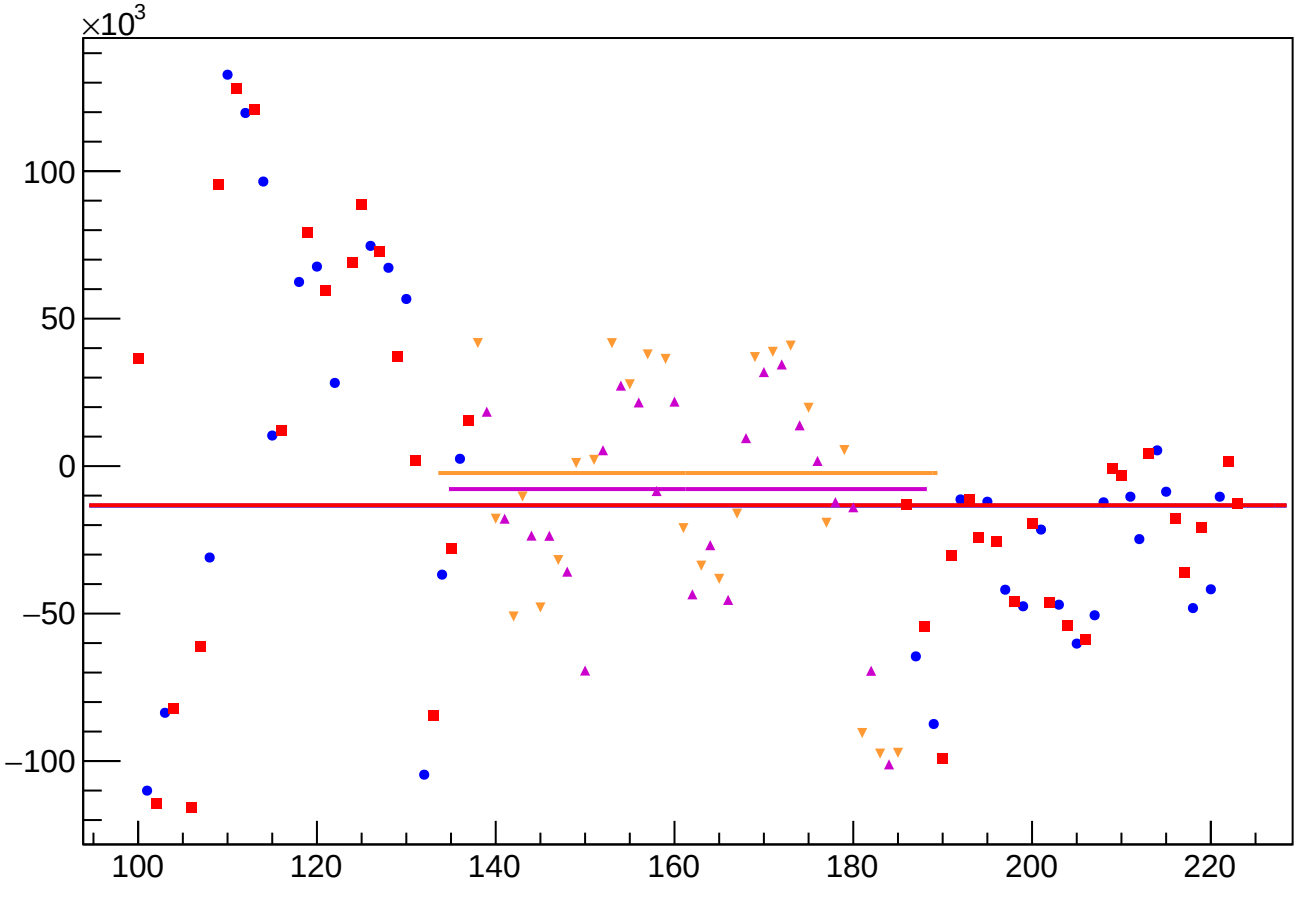
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.427+/-0.000 χ^2/NDF: 9413645.7/72

In: 0.431+/-0.000 χ^2/NDF:6573720.1/56

Out: 0.426+/-0.000 χ^2/NDF:6877885.8/63

All: 0.429+/-0.000 χ^2/NDF: 13456780.8/120



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

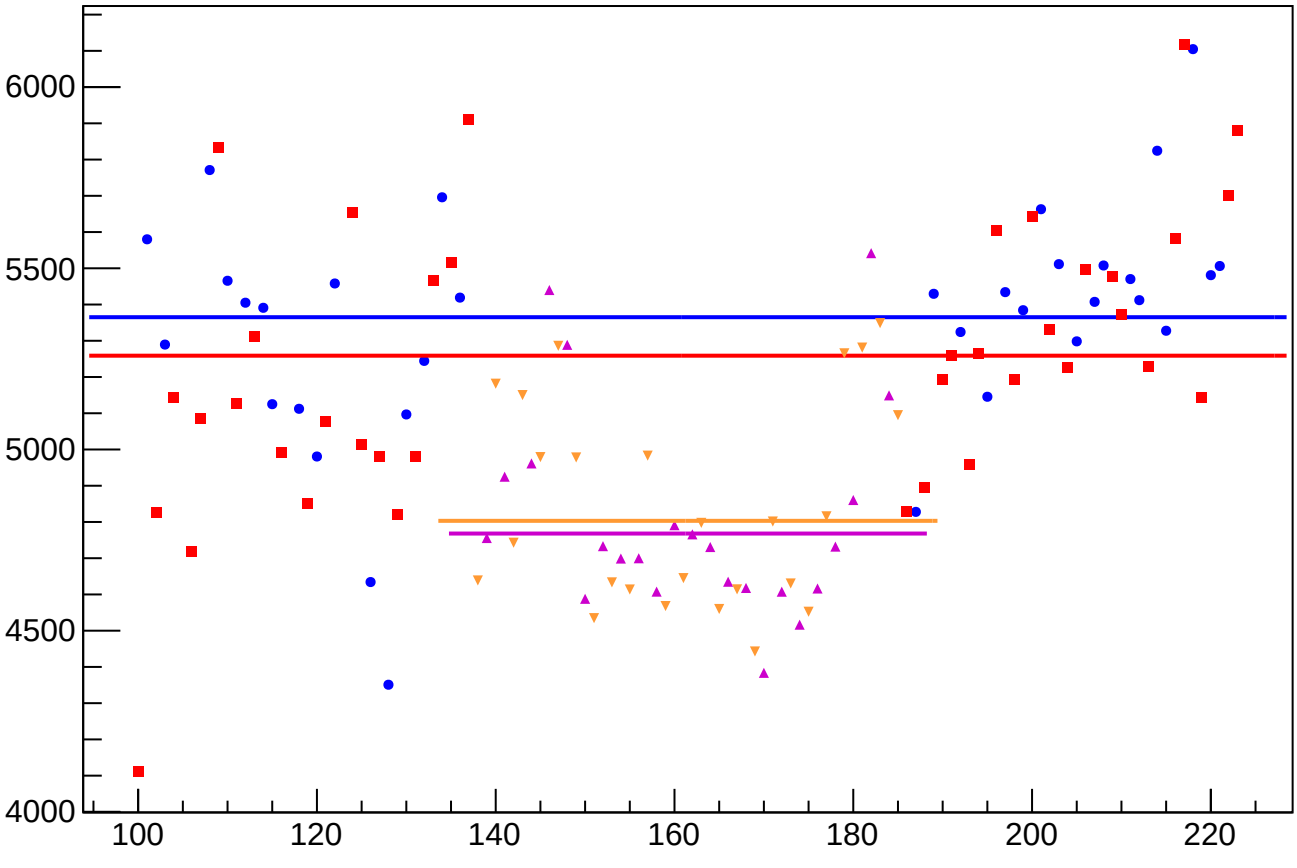
Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

Right: -13328.581+/-0.821 χ^2/NDF: 4422432937.8/7

In: -10491.438+/-0.823 χ^2/NDF:2772736306.5/56

Out: -7733.512+/-0.800 χ^2/NDF:3700446232.7/63

All: -9072.260+/-0.574 χ^2/NDF: 6478956442



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

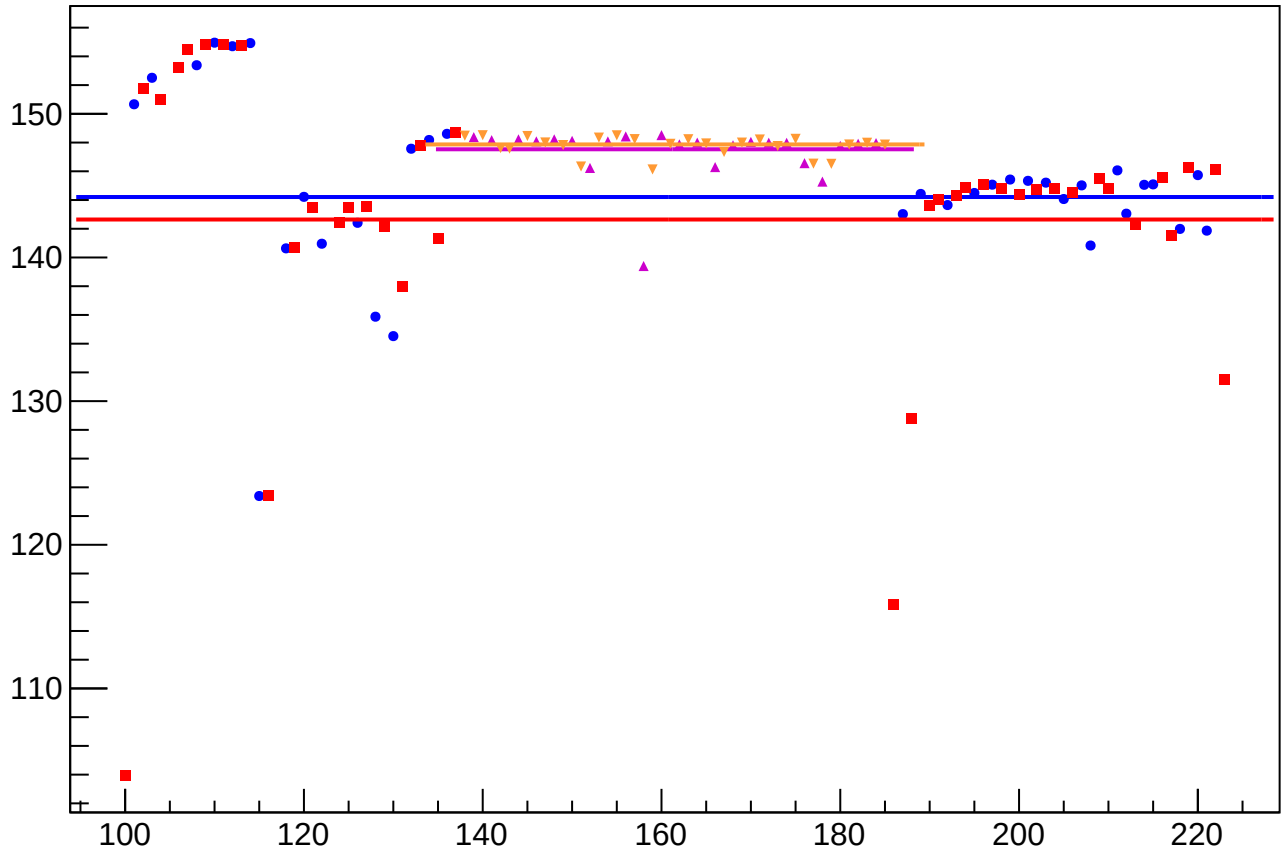
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5309.826+/-0.581 χ^2/NDF: 324502.9/72

In: 5056.128+/-0.582 χ^2/NDF:506930.6/56

Out: 5027.886+/-0.565 χ^2/NDF:451178.7/63

All: 5041.595+/-0.406 χ^2/NDF: 959320.2/120



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

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

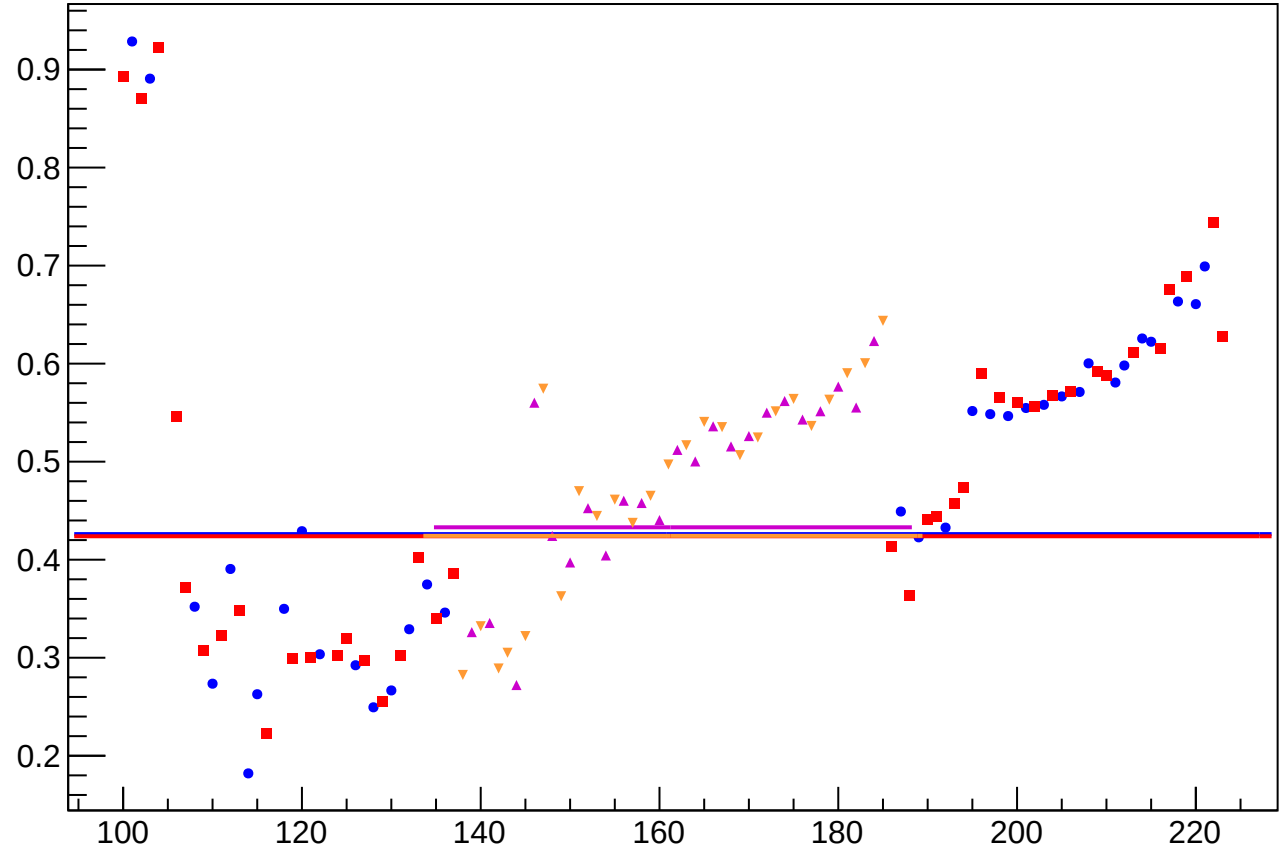
Right: 143.404+/-0.000 χ^2/NDF: 11750974034.2/72

In: 145.763+/-0.000 χ^2/NDF:4683850257.1/56

Out: 145.124+/-0.000 χ^2/NDF:9224091115.2/63

All: 145.432+/-0.000 χ^2/NDF: 13948672414.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



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

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

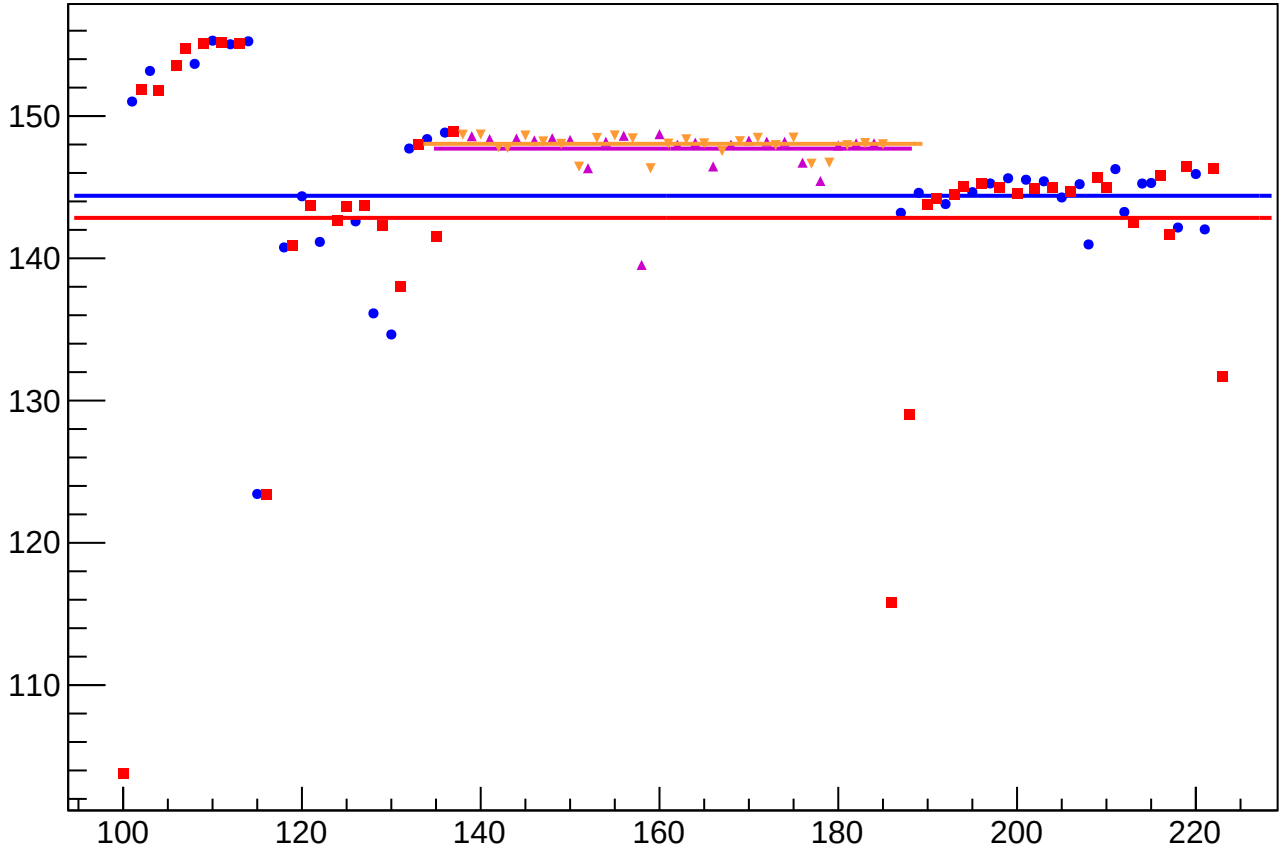
Right: 0.425+/-0.000 χ^2/NDF: 9424339.7/72

In: 0.429+/-0.000 χ^2/NDF:6571684.3/56

Out: 0.424+/-0.000 χ^2/NDF:6888646.6/63

All: 0.427+/-0.000 χ^2/NDF: 13465781.4/120

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

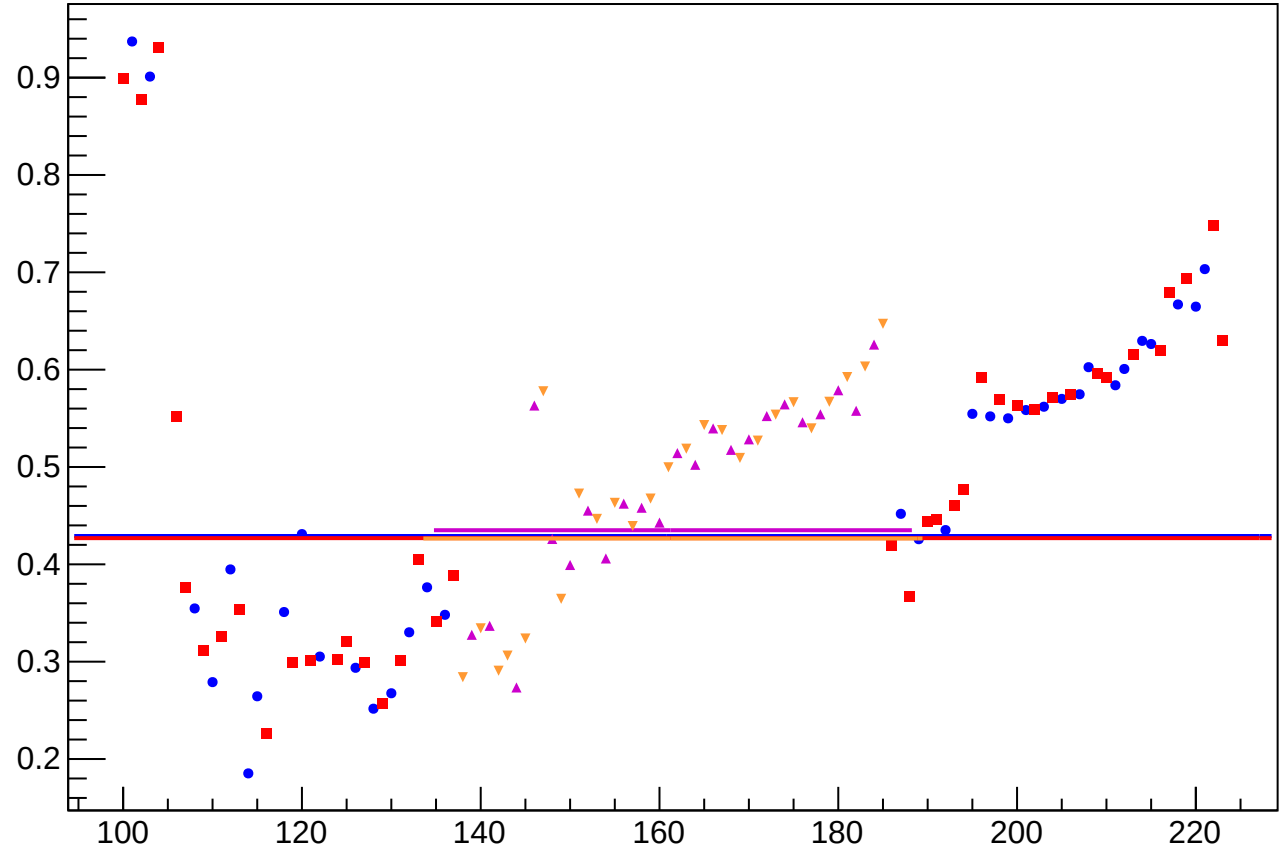
Right: 143.597+/-0.000 χ^2/NDF: 11675063908.6/72

In: 145.950+/-0.000 χ^2/NDF:4674490744.6/56

Out: 145.318+/-0.000 χ^2/NDF:9130841568.8/63

All: 145.623+/-0.000 χ^2/NDF: 13844618998.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



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

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

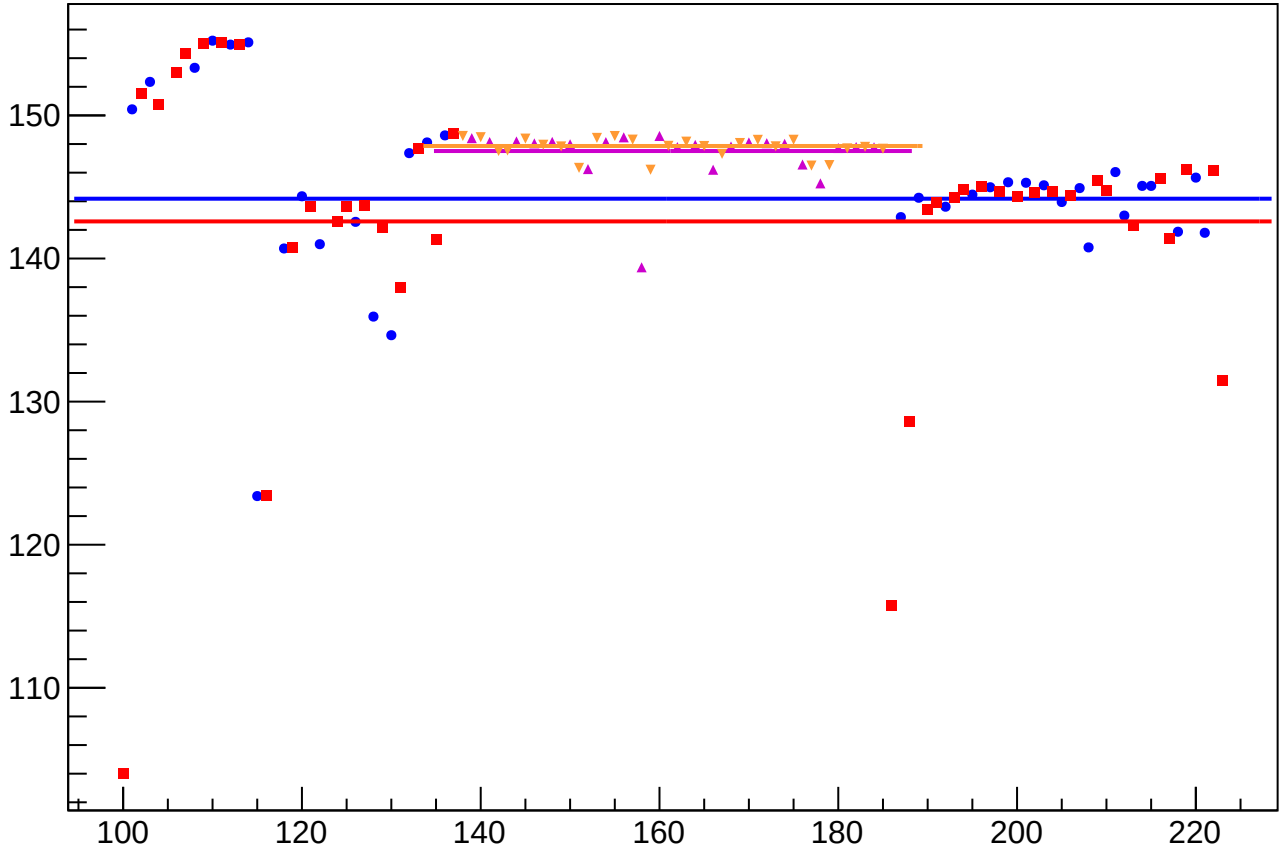
Right: 0.428+/-0.000 χ^2/NDF: 9390215.8/72

In: 0.432+/-0.000 χ^2/NDF:6548509.2/56

Out: 0.427+/-0.000 χ^2/NDF:6871782.4/63

All: 0.429+/-0.000 χ^2/NDF: 13425521.0/120

yield_bcm_an_us_mean vs Slug, Sign Corrected



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

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

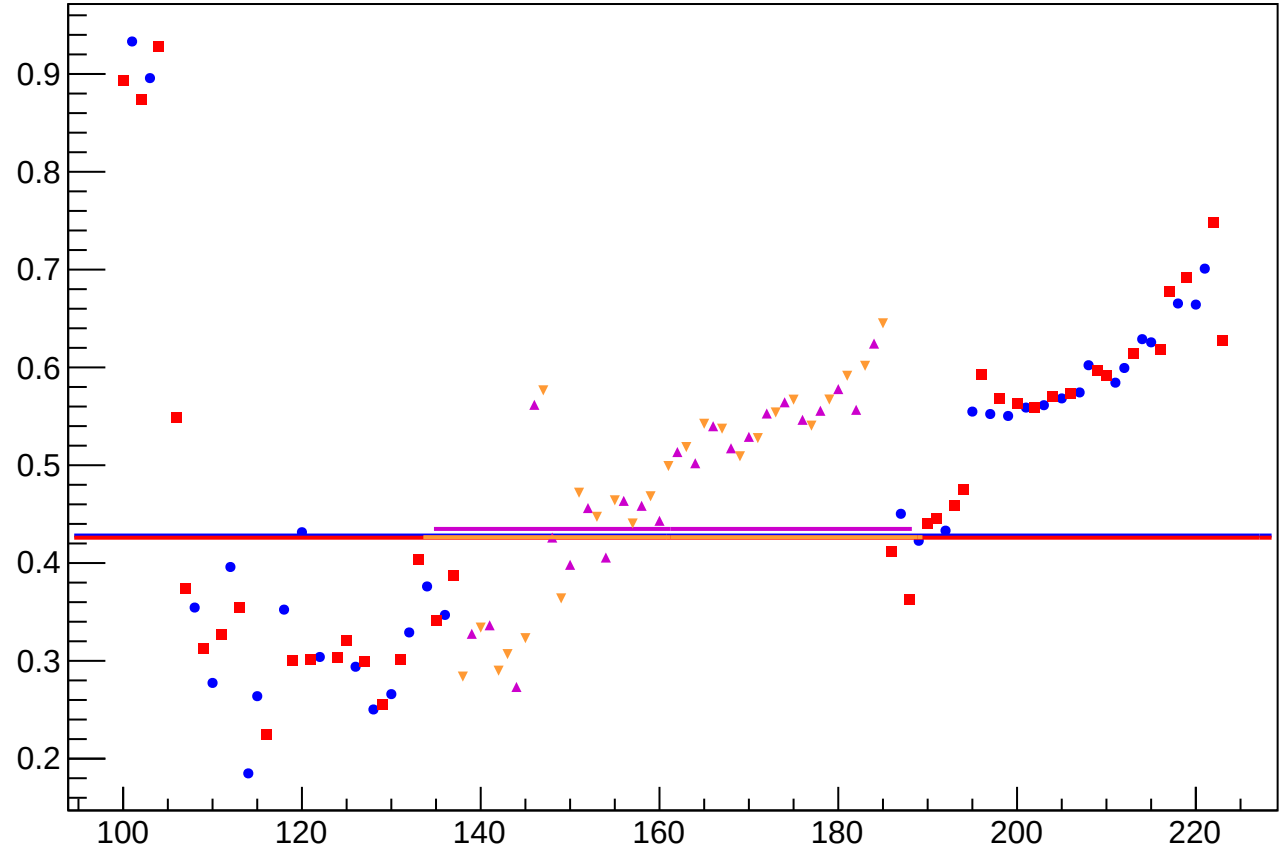
Right: 143.363+/-0.000 χ^2/NDF: 11738589831.9/72

In: 145.739+/-0.000 χ^2/NDF:4640828215.3/56

Out: 145.094+/-0.000 χ^2/NDF:9261002948.3/63

All: 145.405+/-0.000 χ^2/NDF: 13942899889.

yield_bcm_an_us_rms vs Slug, Sign Corrected



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

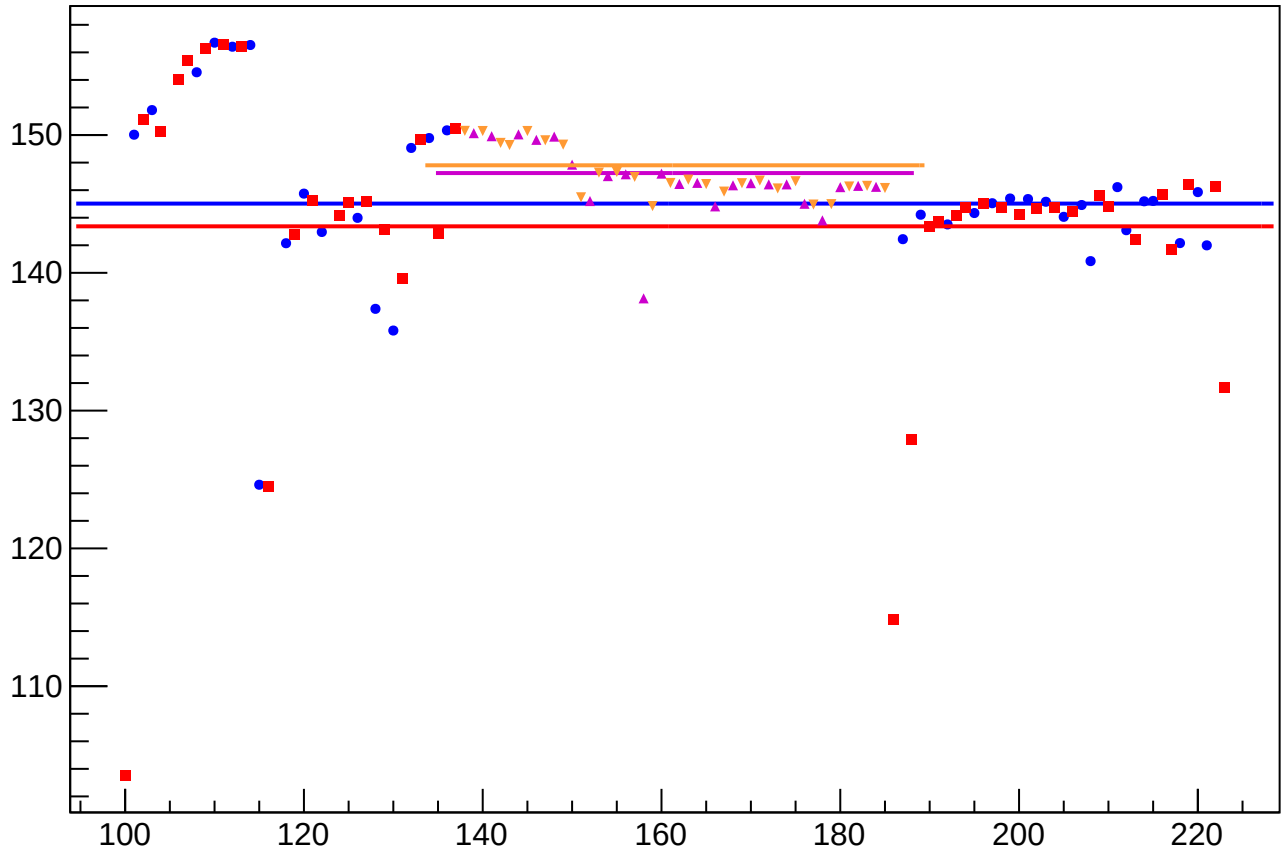
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.427+/-0.000 χ^2/NDF: 9413645.7/72

In: 0.431+/-0.000 χ^2/NDF:6573720.1/56

Out: 0.426+/-0.000 χ^2/NDF:6877885.8/63

All: 0.429+/-0.000 χ^2/NDF: 13456780.8/120



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

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

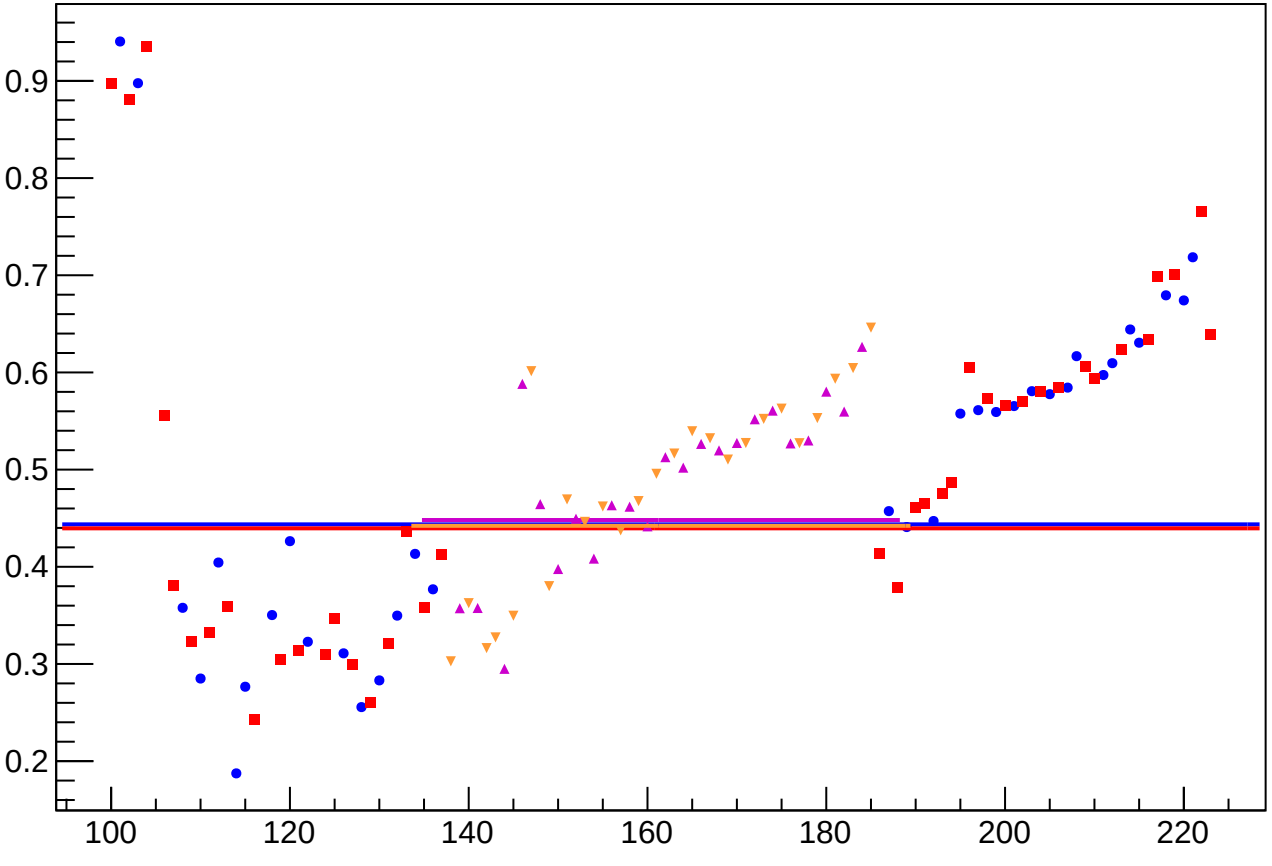
Right: 144.173+/-0.000 χ^2/NDF: 11584093188.6/72

In: 146.072+/-0.000 χ^2/NDF:4447305404.3/56

Out: 145.477+/-0.000 χ^2/NDF:9111837889.6/63

All: 145.765+/-0.000 χ^2/NDF: 13592128678.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



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

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

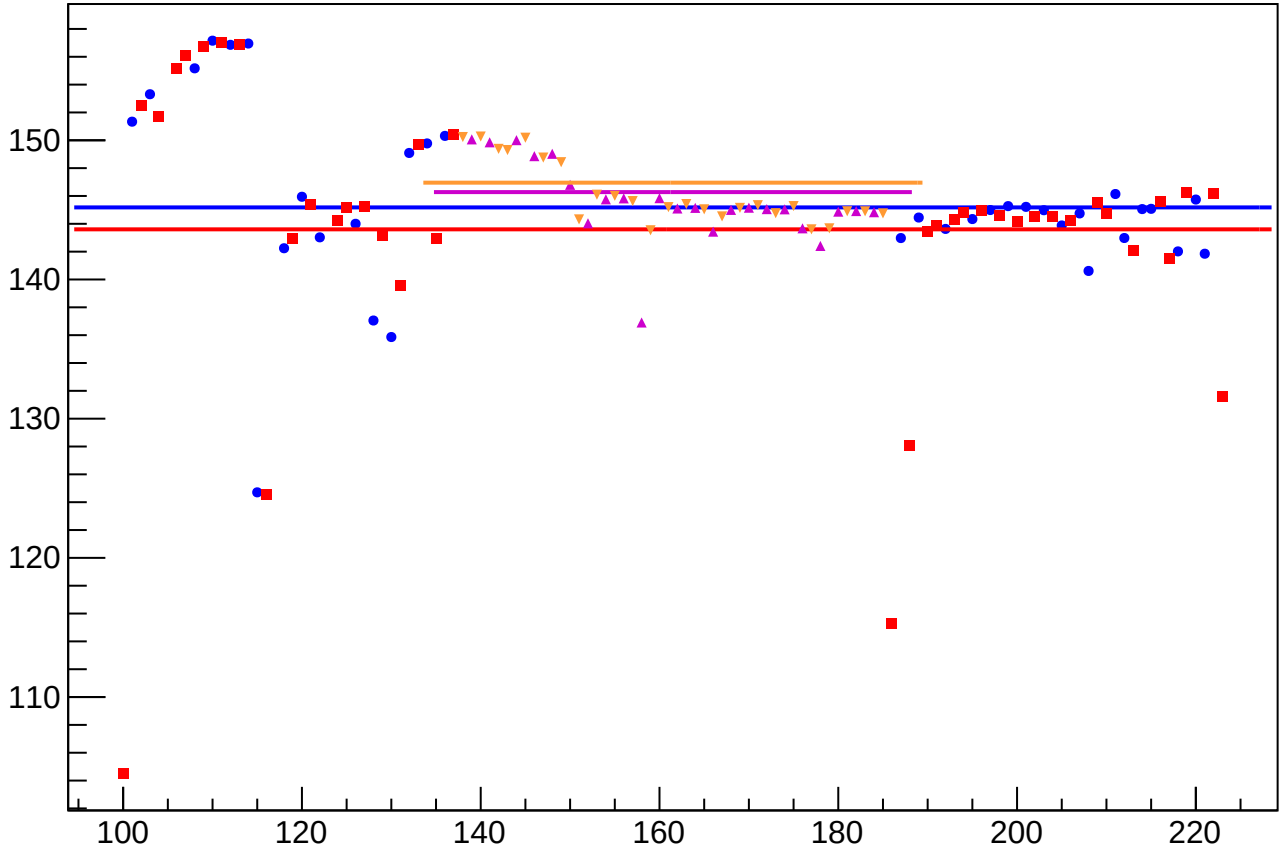
Right: 0.442+/-0.000 χ^2/NDF: 8933006.2/72

In: 0.446+/-0.000 χ^2/NDF:5874335.5/56

Out: 0.441+/-0.000 χ^2/NDF:6111482.9/63

All: 0.443+/-0.000 χ^2/NDF: 11990425.4/120

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



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

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

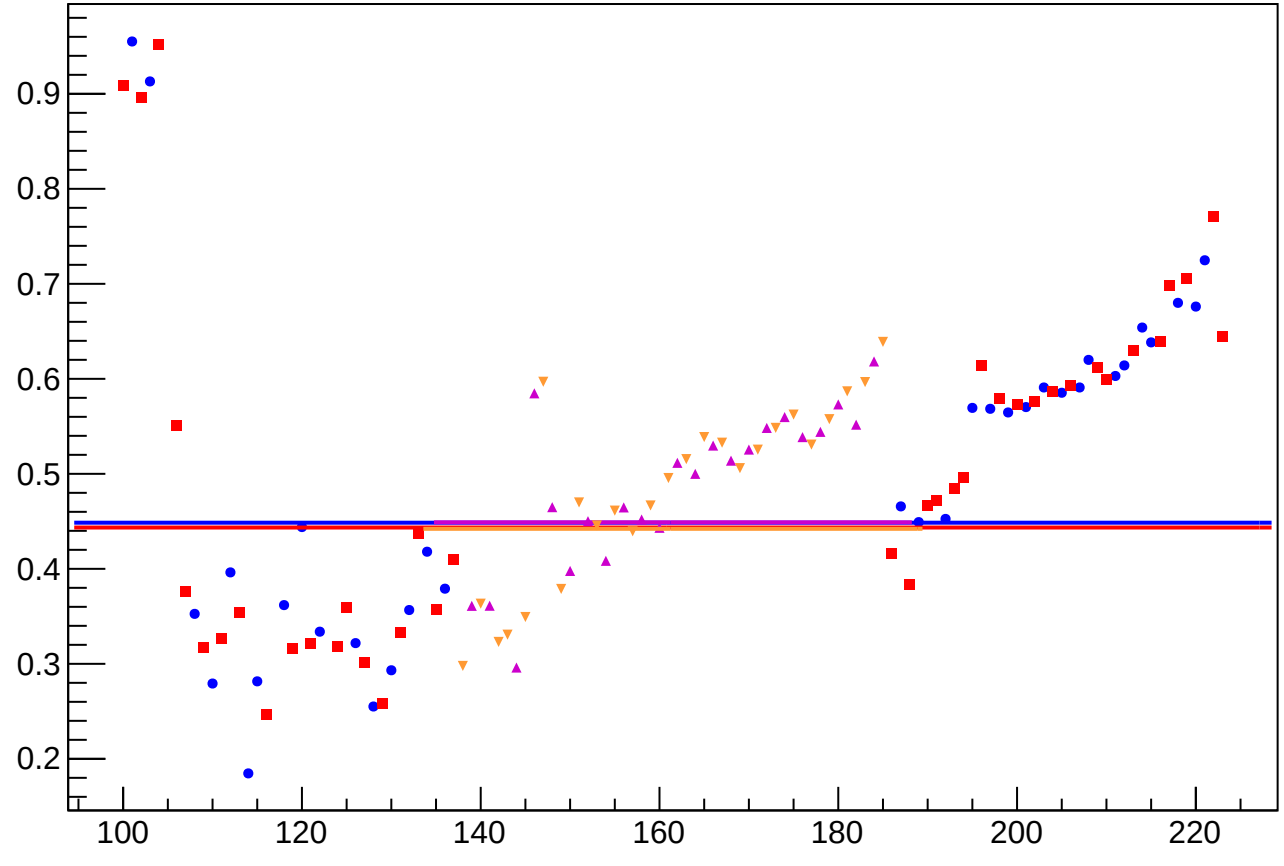
Right: 144.363+/-0.000 χ^2/NDF: 11793280812.7/72

In: 145.704+/-0.000 χ^2/NDF:4654715237.9/56

Out: 145.211+/-0.000 χ^2/NDF:8976165430.4/63

All: 145.448+/-0.000 χ^2/NDF: 13653241000.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



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

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

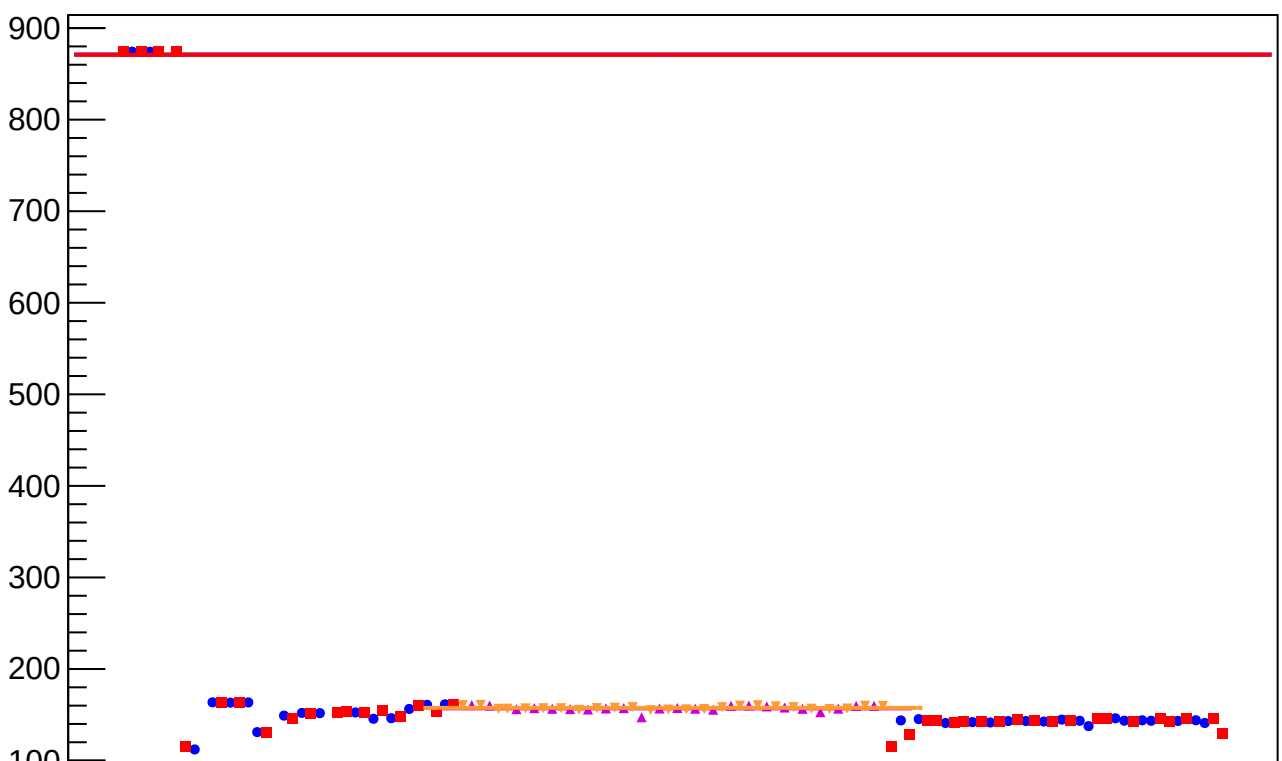
Right: 0.446+/-0.000 χ^2/NDF: 8966635.4/72

In: 0.449+/-0.000 χ^2/NDF:5842242.9/56

Out: 0.443+/-0.000 χ^2/NDF:6099442.5/63

All: 0.446+/-0.000 χ^2/NDF: 11948138.1/120

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 871.126+/-0.000 χ^2/NDF: 16015457152557.2/33

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 870.863+/-0.000 χ^2/NDF: 20059343710938.0/38

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

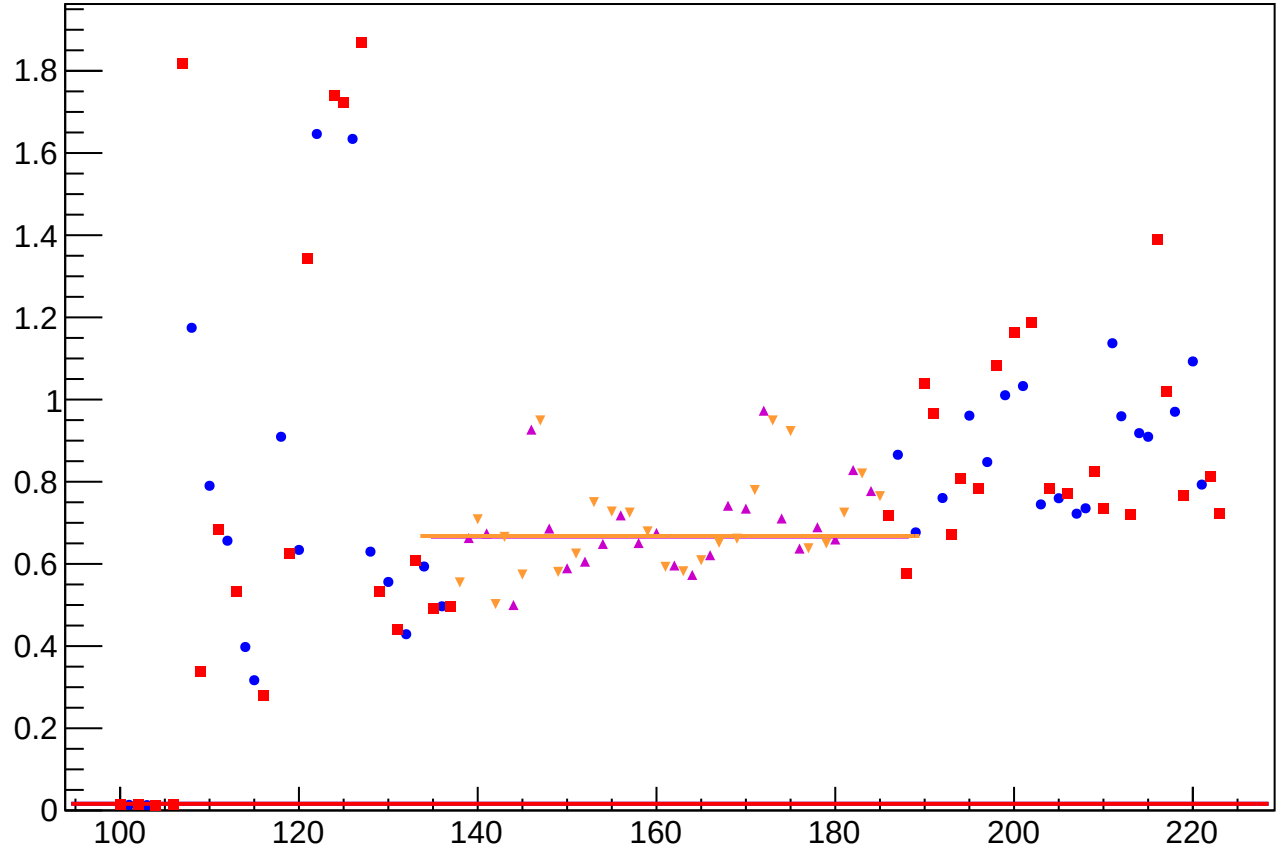
Right: 870.985+/-0.000 χ^2/NDF: 36075063814765.

In: 867.899+/-0.000 χ^2/NDF:32468098010297.6/5

Out: 867.939+/-0.000 χ^2/NDF:37227029778902.5

All: 867.920+/-0.000 χ^2/NDF: 696951337062

yield_cav4bQ_rms vs Slug, Sign Corrected



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

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

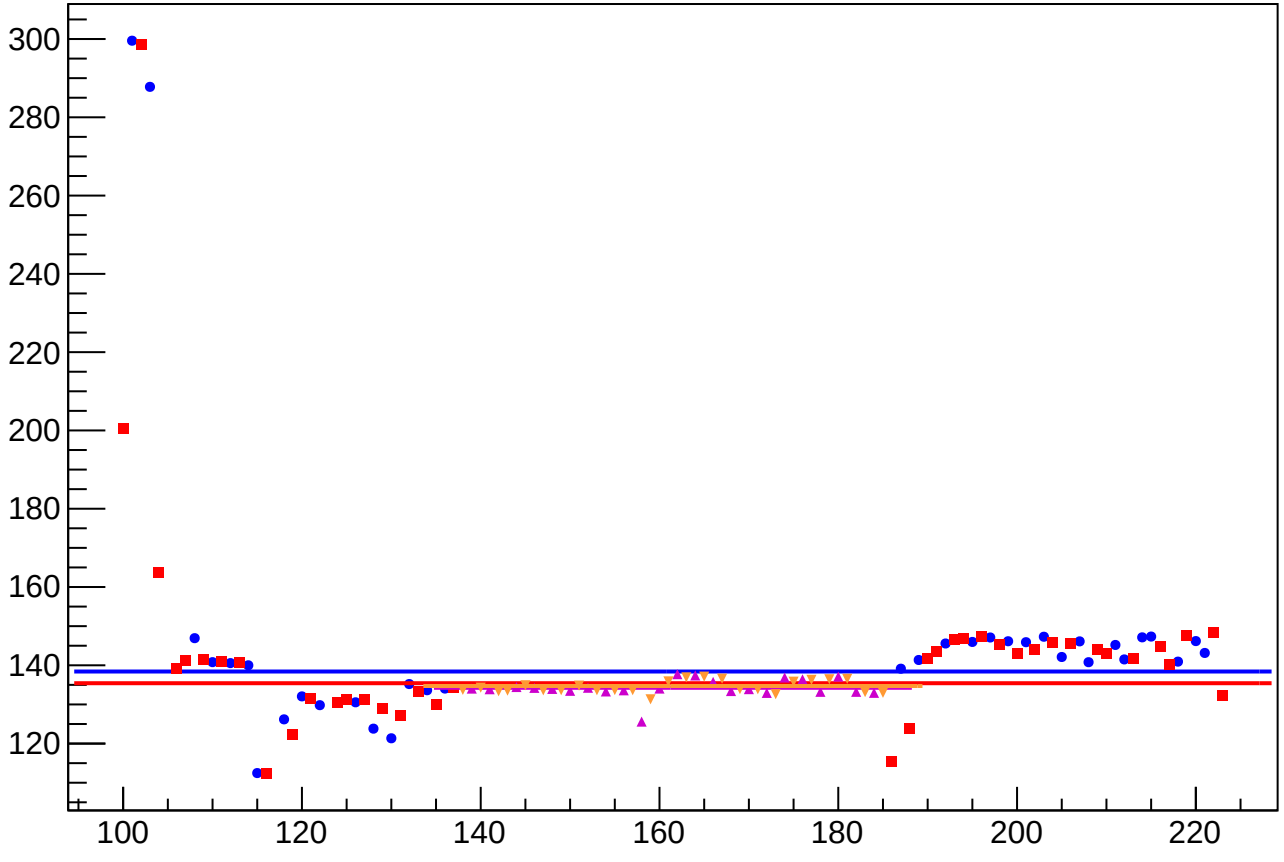
Right: 0.016+/-0.000 χ^2/NDF: 68276913.2/72

In: 0.019+/-0.000 χ^2/NDF:60869448.0/56

Out: 0.019+/-0.000 χ^2/NDF:64569504.1/63

All: 0.019+/-0.000 χ^2/NDF: 125440233.1/120

yield_cav4cQ_mean vs Slug, Sign Corrected



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

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

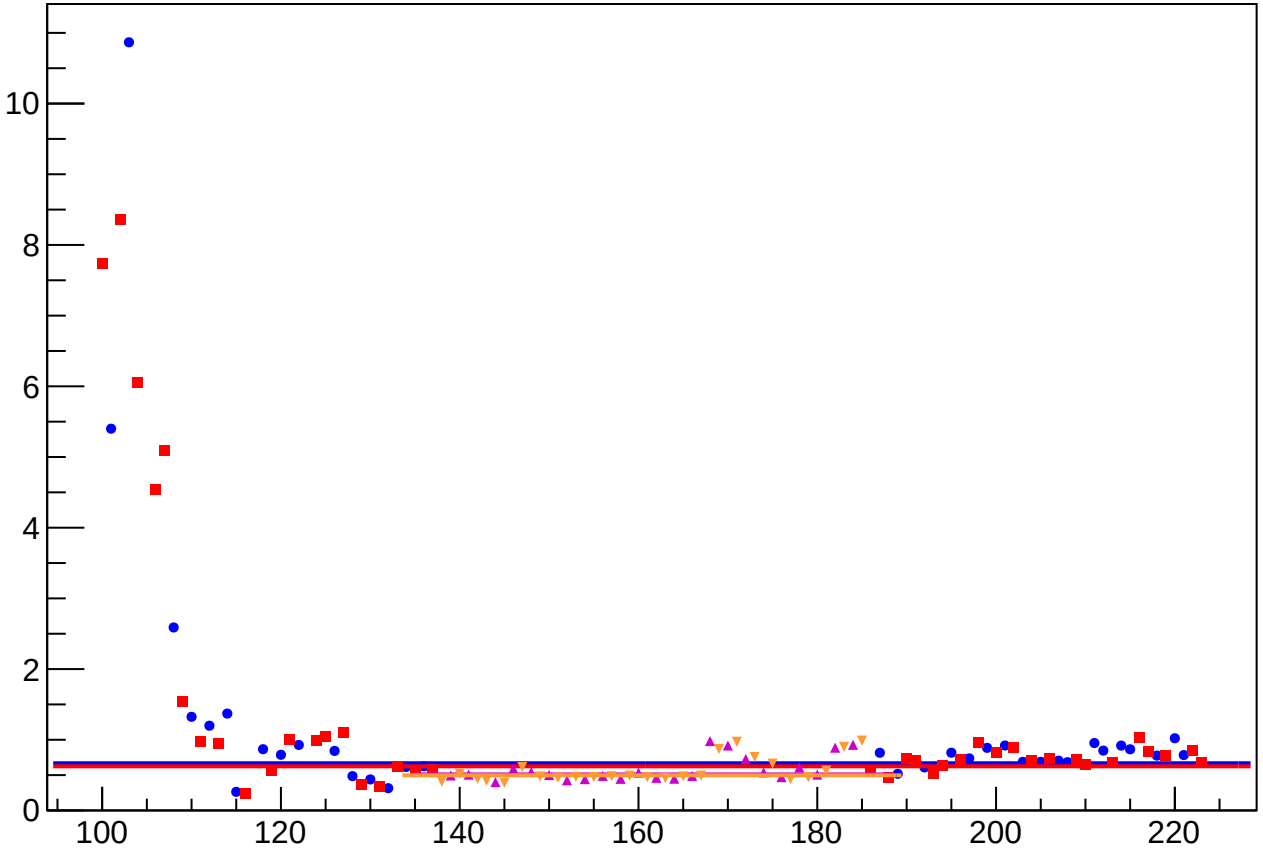
Right: 136.784+/-0.000 χ^2/NDF: 9976701040.8/72

In: 135.780+/-0.000 χ^2/NDF:4653252576.6/56

Out: 134.988+/-0.000 χ^2/NDF:6151817570.0/63

All: 135.358+/-0.000 χ^2/NDF: 10837008200.

yield_cav4cQ_rms vs Slug, Sign Corrected



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

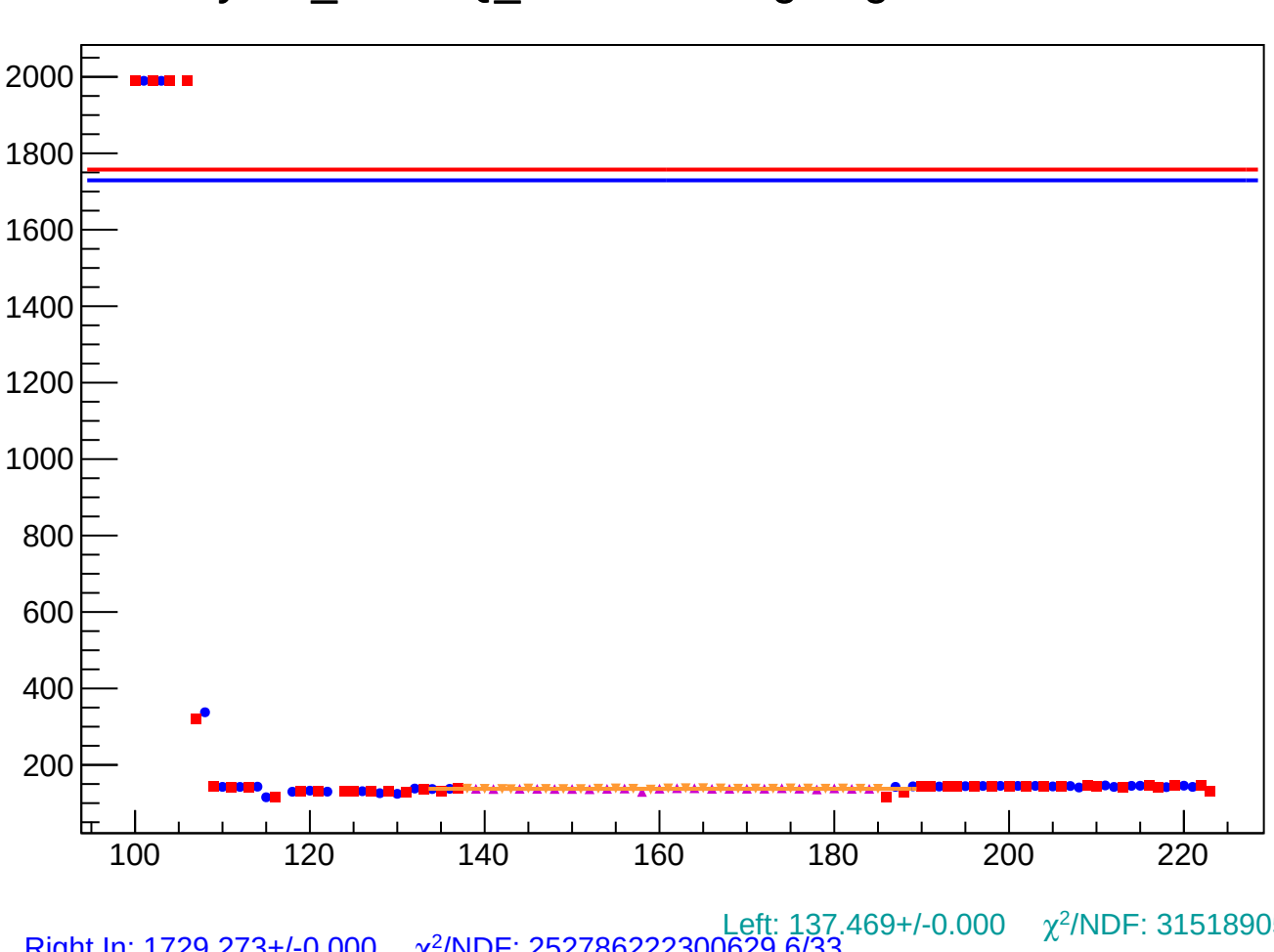
Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.644+/-0.000 χ^2/NDF: 12364651.7/72

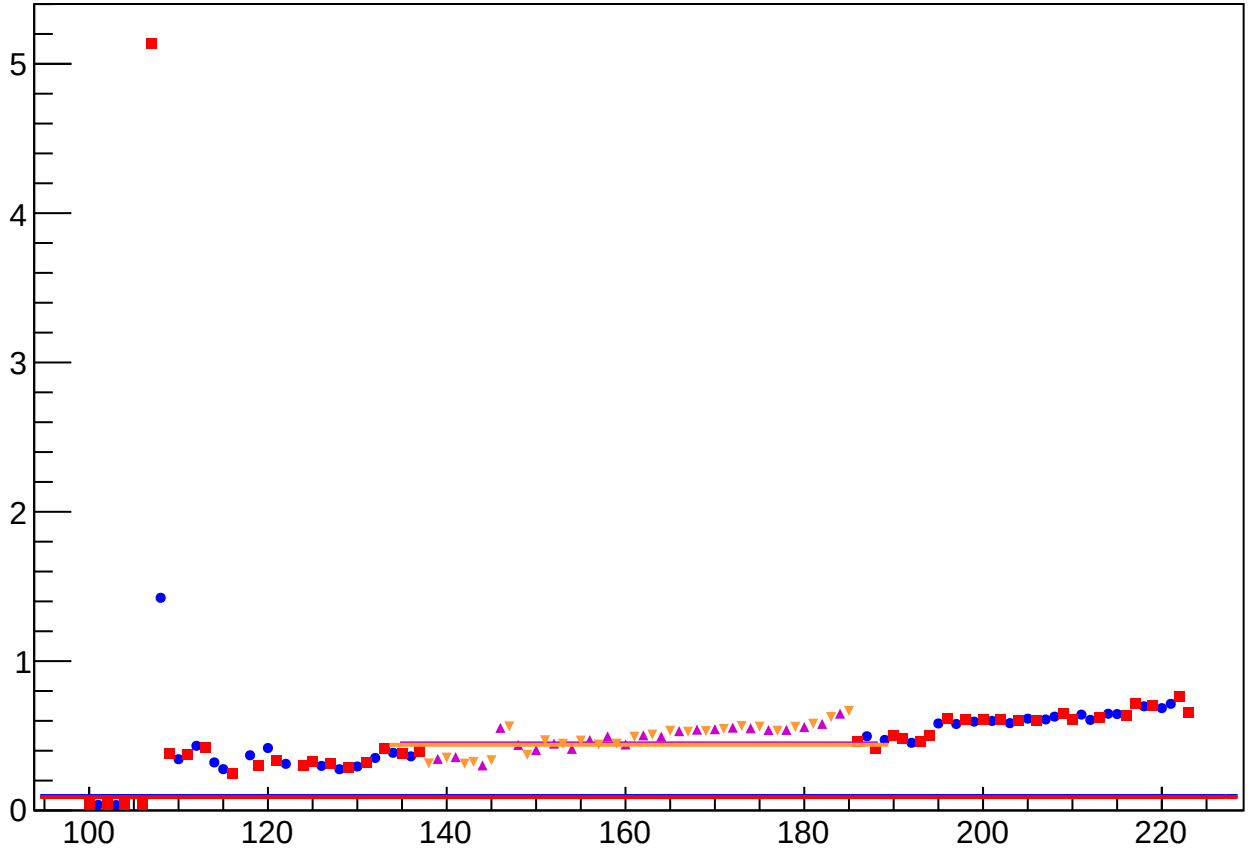
In: 0.568+/-0.000 χ^2/NDF:8281176.5/56

Out: 0.546+/-0.000 χ^2/NDF:9020278.1/63

All: 0.556+/-0.000 χ^2/NDF: 17349101.5/120


yield_cav4dQ_mean vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 1729.273+/-0.000 χ²/NDF: 252786222300629.6/33
Left Out: 137.578+/-0.000 χ²/NDF:64111345.2/24
Right Out: 1757.411+/-0.000 χ²/NDF: 267467669133153.7/38
Left In: 137.349+/-0.000 χ²/NDF:248752254.7/22
Left: 137.469+/-0.000 χ²/NDF: 315189054.5/47
Right: 1744.413+/-0.000 χ²/NDF: 52051379680452
In: 1534.840+/-0.000 χ²/NDF:441622199697057.
Out: 1570.237+/-0.000 χ²/NDF:482931113350952
All: 1553.820+/-0.000 χ²/NDF: 9250202250

yield_cav4dQ_rms vs Slug, Sign Corrected



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

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

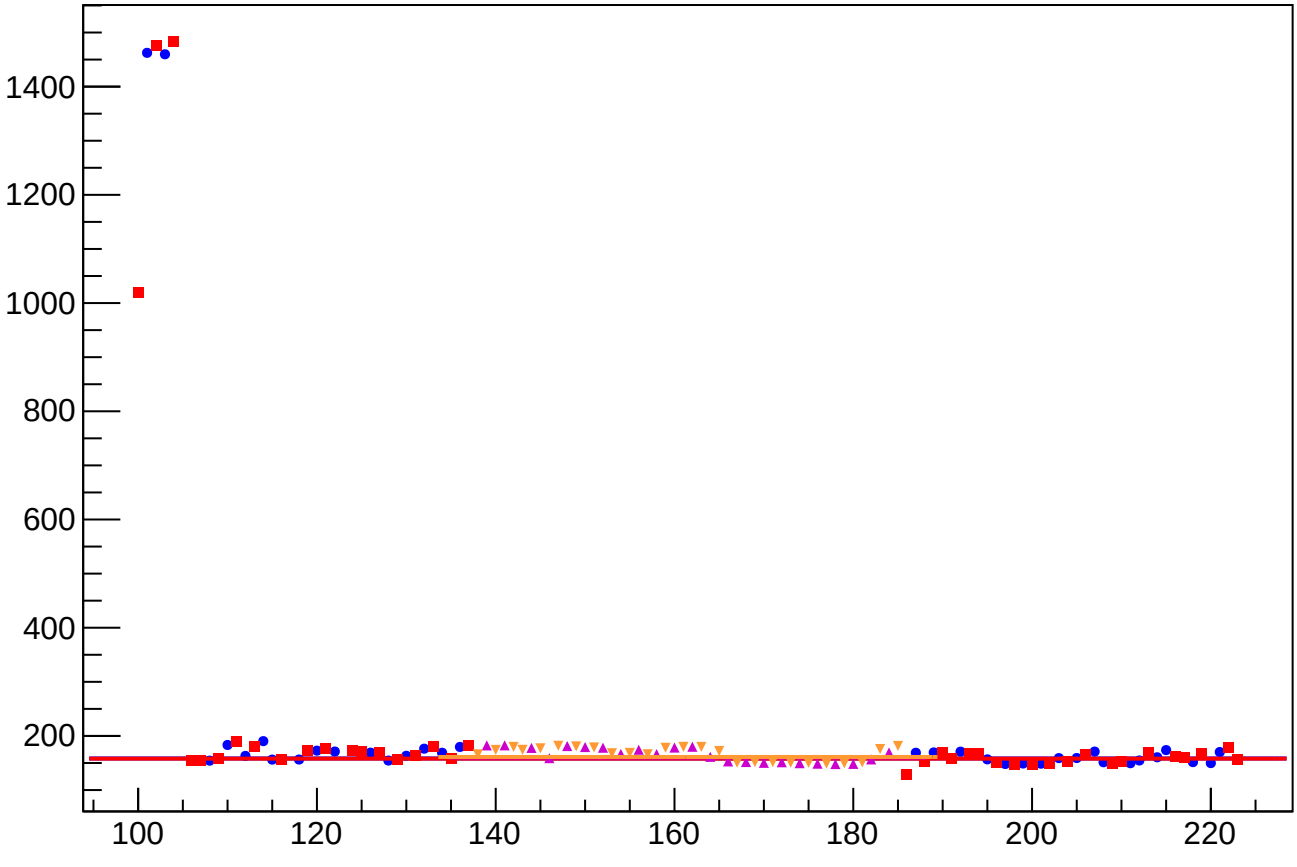
Right: 0.093+/-0.000 χ^2/NDF: 60539671.4/72

In: 0.140+/-0.000 χ^2/NDF:49646645.1/56

Out: 0.130+/-0.000 χ^2/NDF:52613486.9/63

All: 0.135+/-0.000 χ^2/NDF: 102327726.0/120

yield_bcm0l02_mean vs Slug, Sign Corrected



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

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

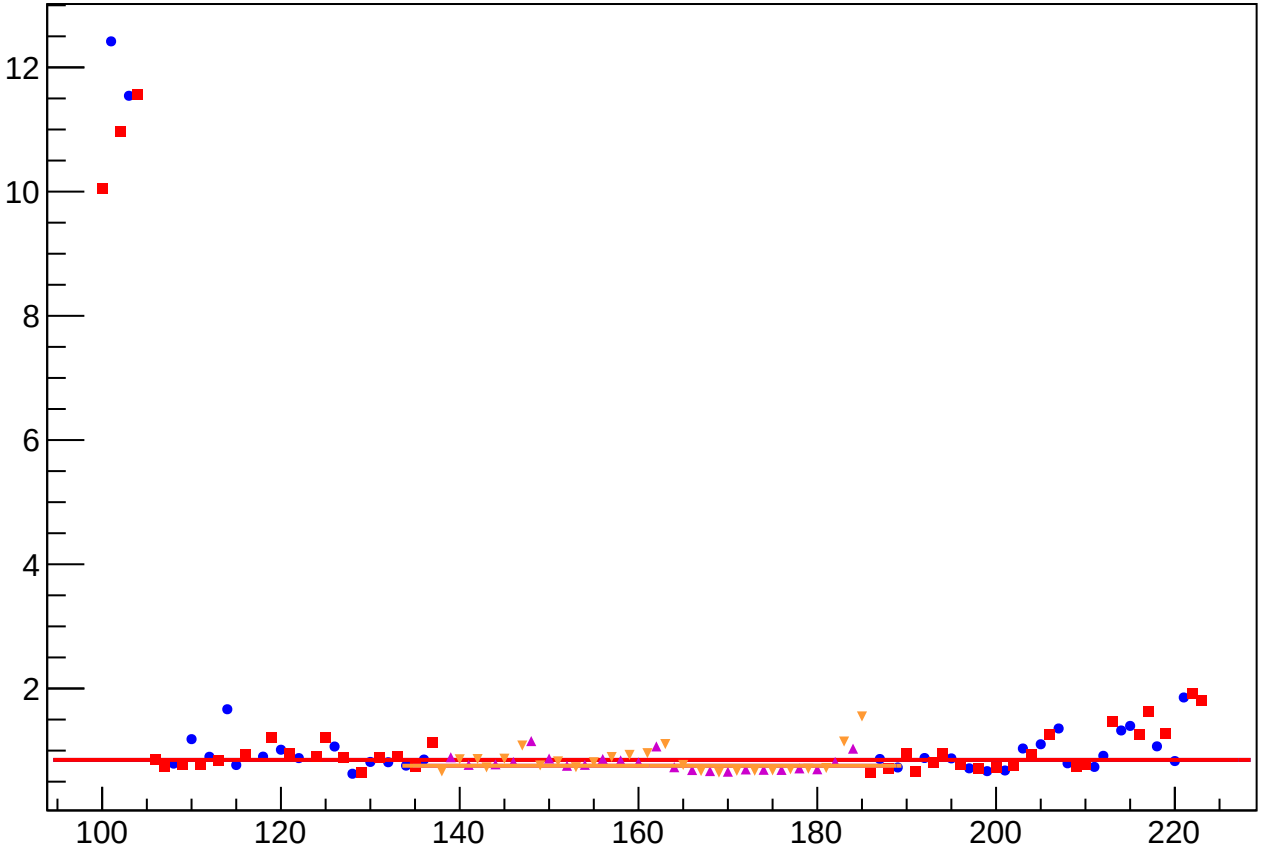
Right: 158.212+/-0.000 χ^2/NDF: 34701214468.6/72

In: 159.327+/-0.000 χ^2/NDF:19972670883.9/56

Out: 159.727+/-0.000 χ^2/NDF:22346357525.9/63

All: 159.531+/-0.000 χ^2/NDF: 42322583375.

yield_bcm0l02_rms vs Slug, Sign Corrected



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

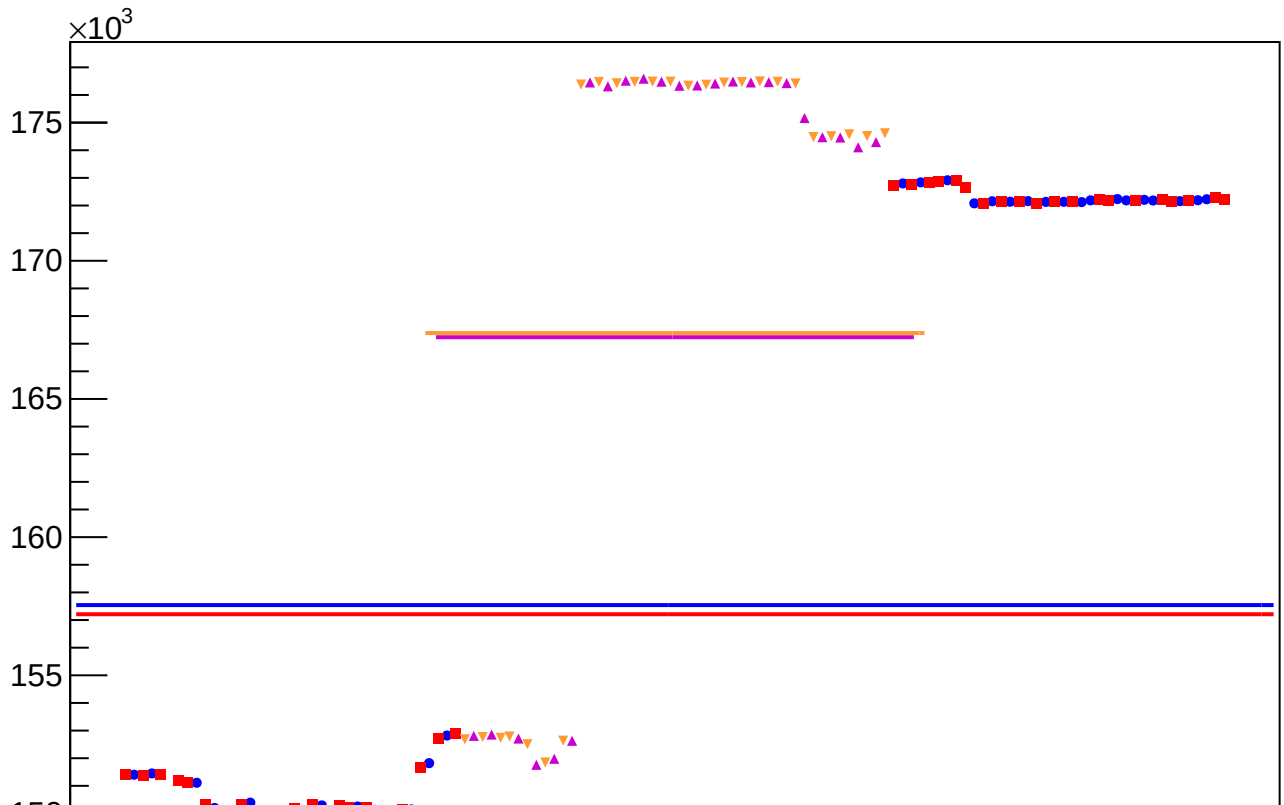
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.850+/-0.000 χ^2/NDF: 7732325.8/72

In: 0.799+/-0.000 χ^2/NDF:4387904.5/56

Out: 0.800+/-0.000 χ^2/NDF:4959201.1/63

All: 0.799+/-0.000 χ^2/NDF: 9347138.5/120



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

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

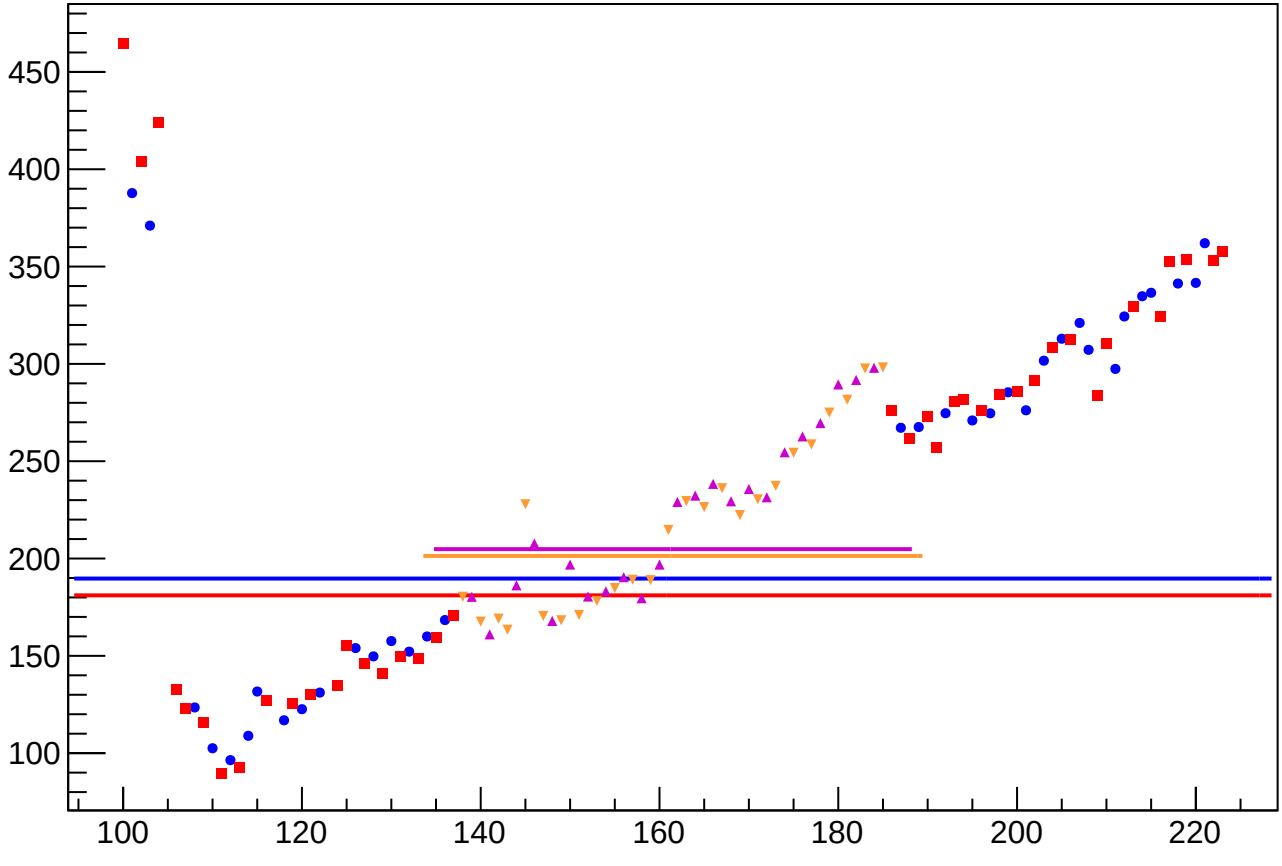
Right: 157366.010+/-0.031 χ^2/NDF: 106910362052

In: 161987.466+/-0.033 χ^2/NDF:127365740363.4

Out: 161815.125+/-0.031 χ^2/NDF:141466360293.0

All: 161896.868+/-0.023 χ^2/NDF: 26884635

yield_bpm2i01WS_rms vs Slug, Sign Corrected



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

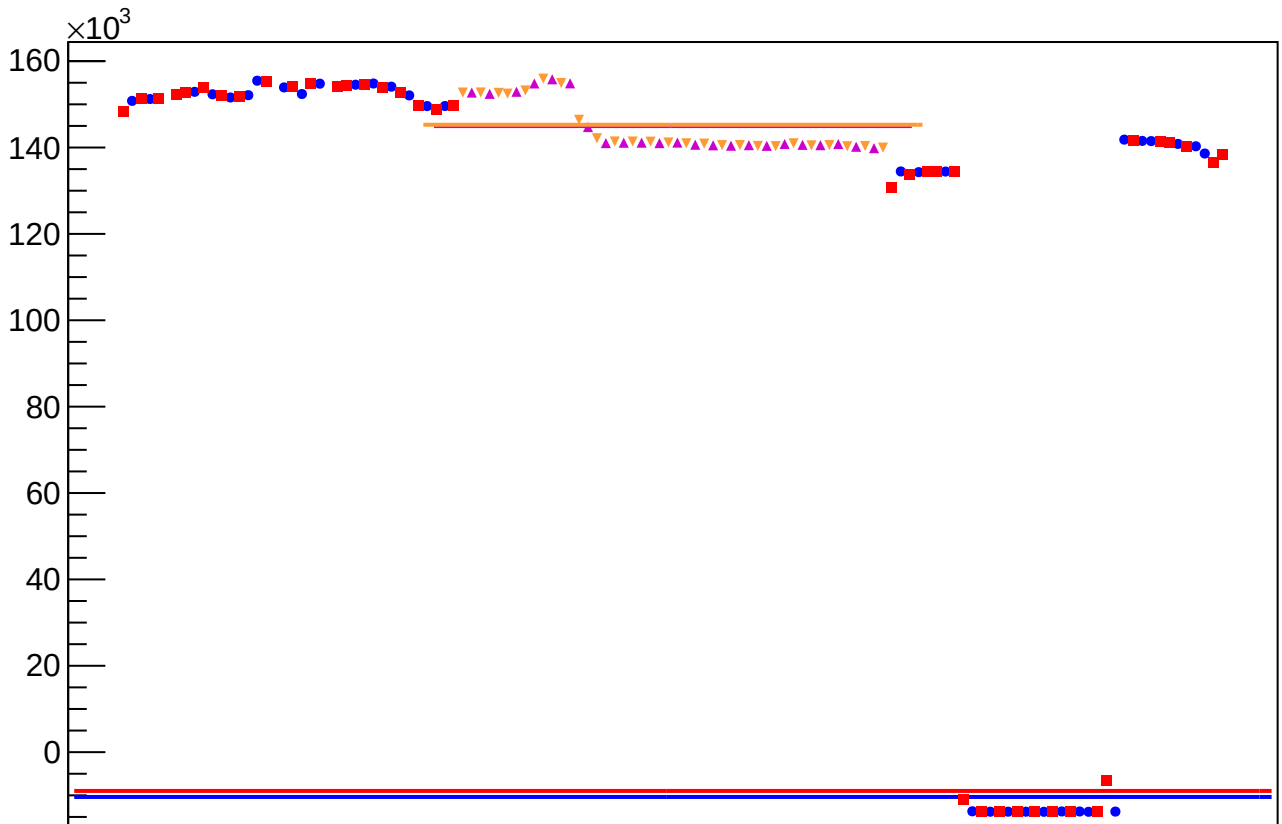
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 185.145+/-0.022 χ^2/NDF: 16454406.7/72

In: 196.641+/-0.023 χ^2/NDF:8872980.0/56

Out: 190.241+/-0.022 χ^2/NDF:10135574.0/63

All: 193.277+/-0.016 χ^2/NDF: 19047864.4/12



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

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

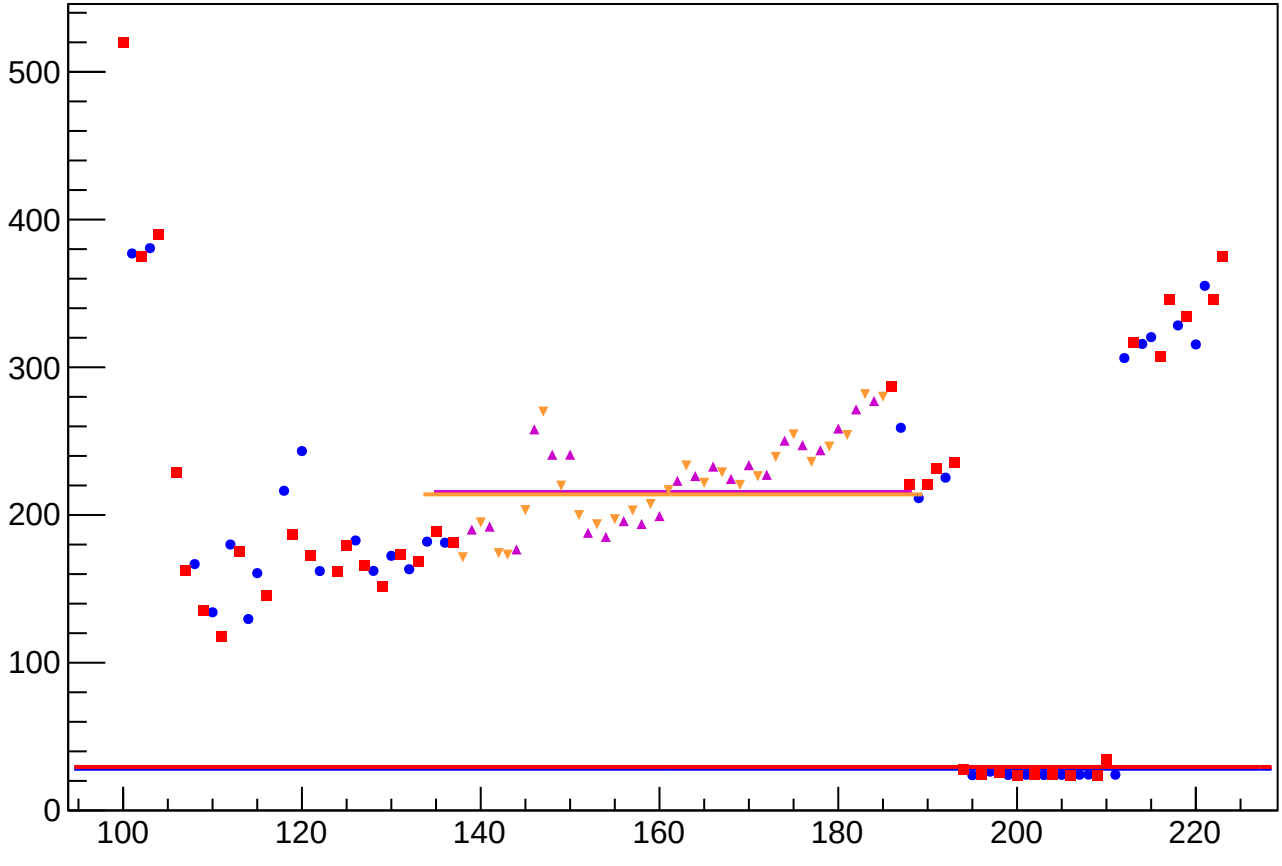
Right: -9727.840+/-0.006 χ^2/NDF: 1515516833205

In: -5988.915+/-0.009 χ^2/NDF:16013277246174.9

Out: -3621.434+/-0.009 χ^2/NDF:17516608150217

All: -4884.395+/-0.006 χ^2/NDF: 3356518050

yield_bpm0i07WS_rms vs Slug, Sign Corrected



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

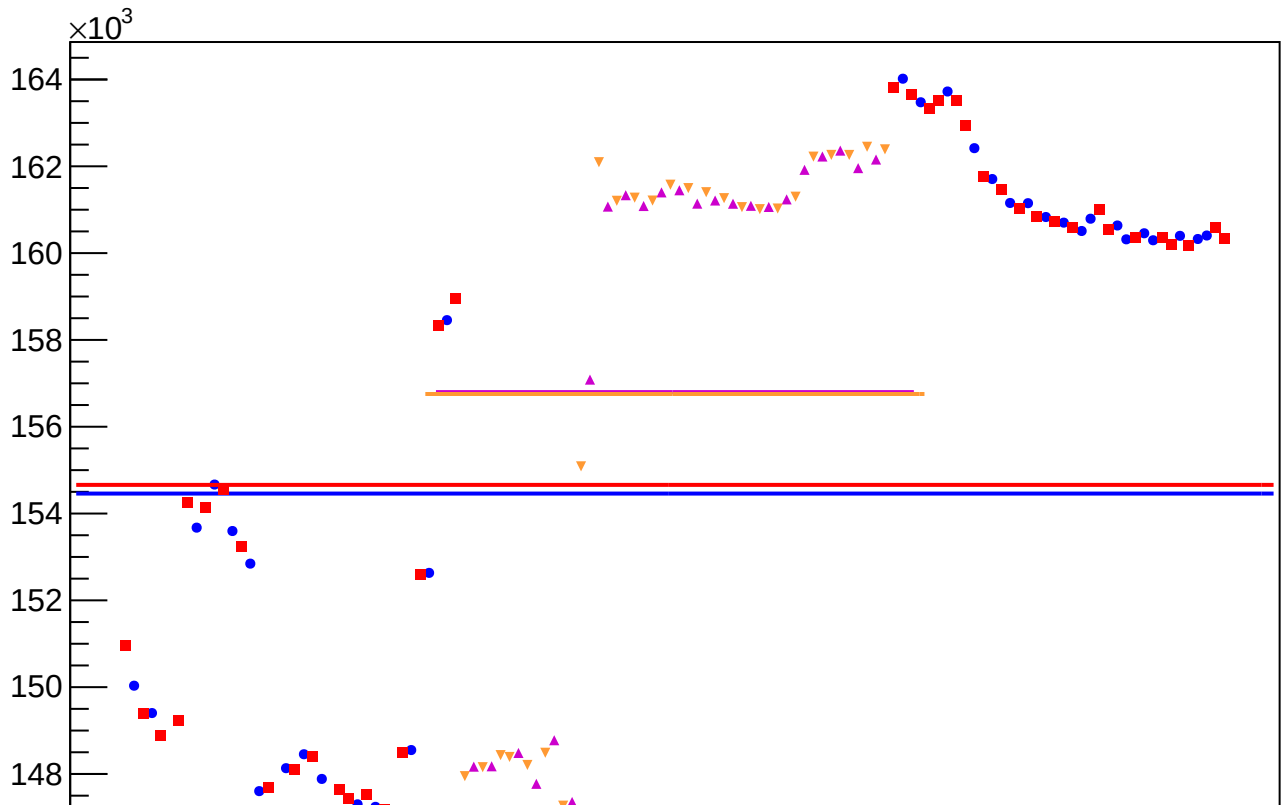
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.799+/-0.005 χ^2/NDF: 44055127.4/72

In: 33.528+/-0.006 χ^2/NDF:48261025.9/56

Out: 35.856+/-0.007 χ^2/NDF:49975970.2/63

All: 34.614+/-0.004 χ^2/NDF: 98305224.4/120



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

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

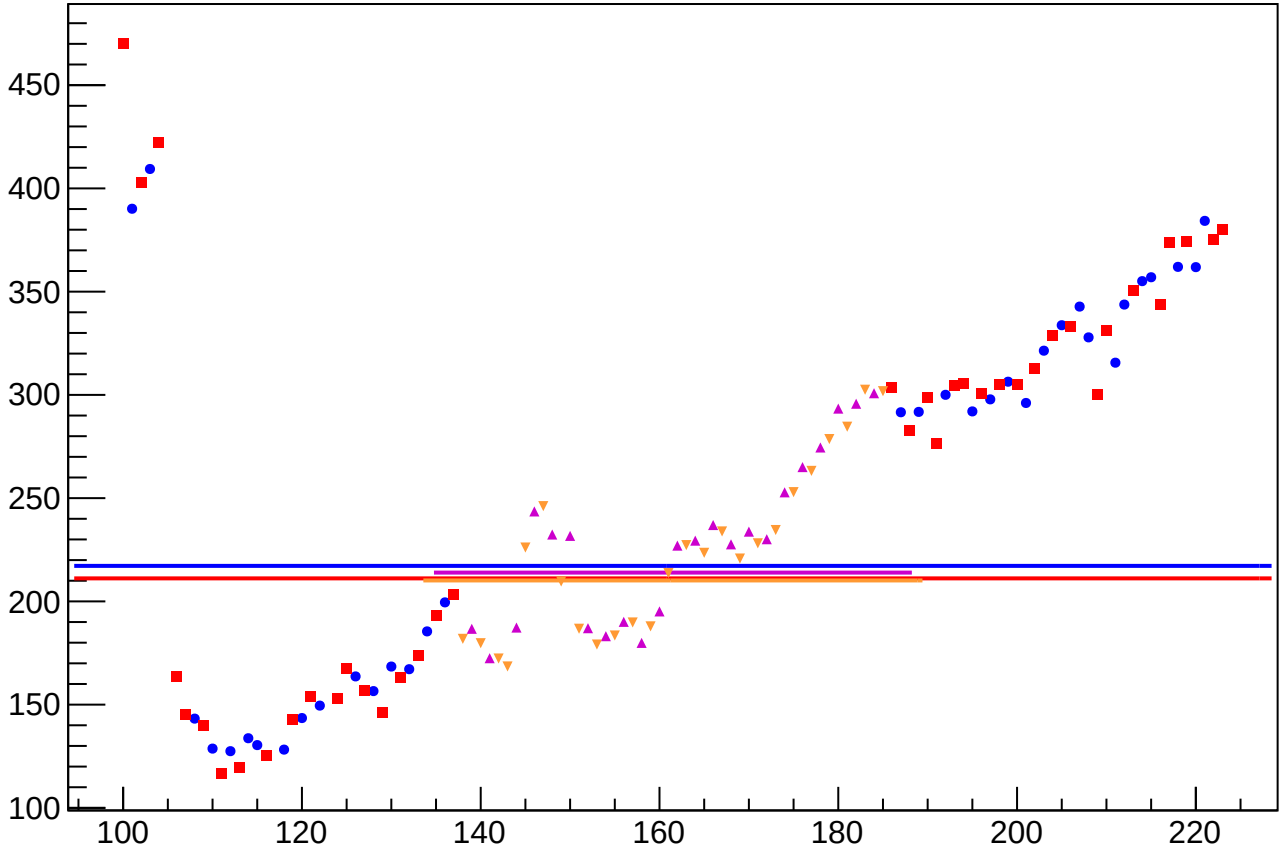
Right: 154564.237+/-0.035 χ^2/NDF: 27524445283.

In: 155620.108+/-0.036 χ^2/NDF:28785811245.2/5

Out: 155705.296+/-0.034 χ^2/NDF:31444599046.3

All: 155664.555+/-0.025 χ^2/NDF: 60233498

yield_bpm0i01WS_rms vs Slug, Sign Corrected



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

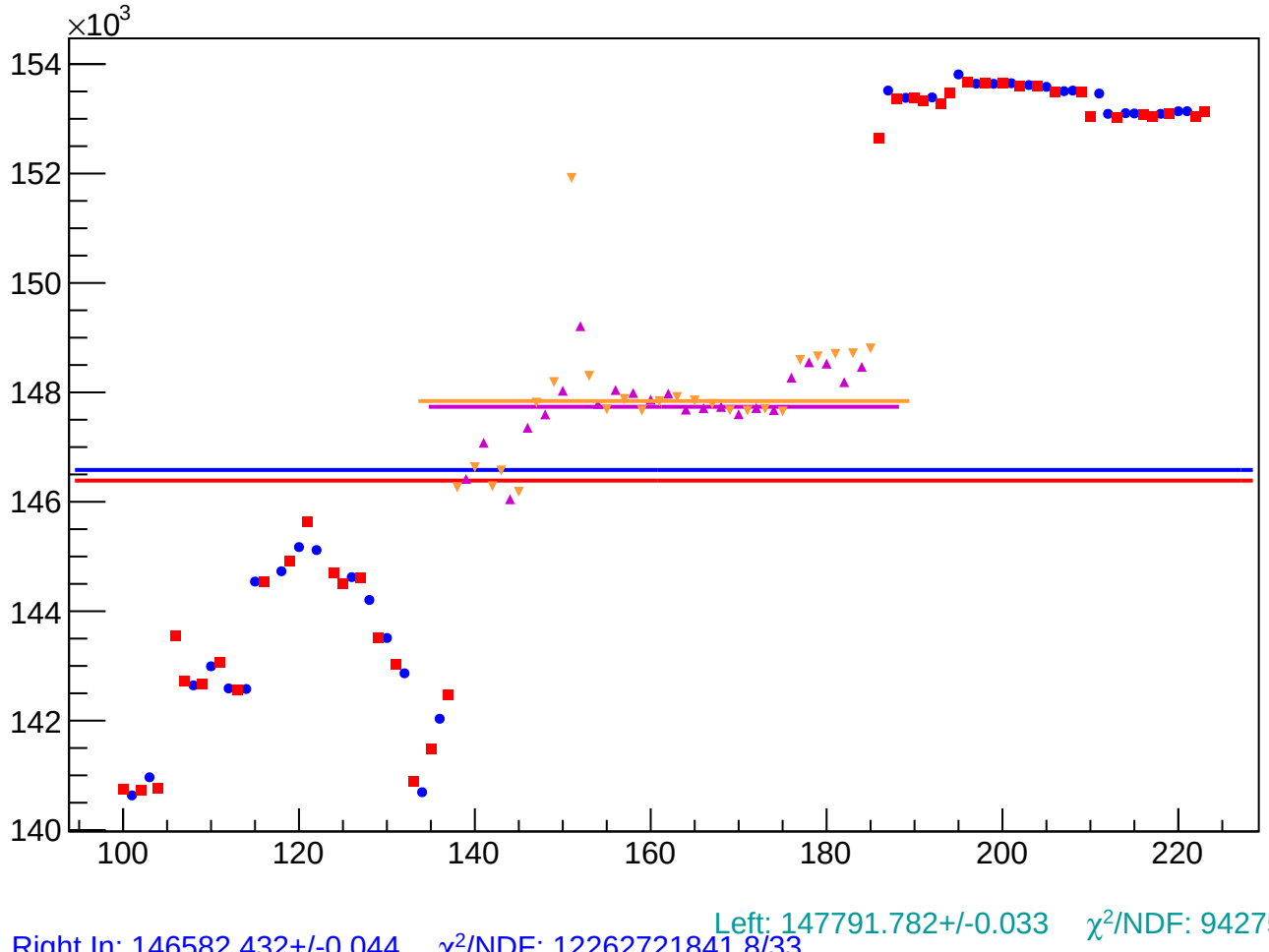
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 214.047+/-0.025 χ^2/NDF: 13359359.7/72

In: 215.584+/-0.025 χ^2/NDF:7313127.0/56

Out: 210.643+/-0.024 χ^2/NDF:7948103.9/63

All: 213.006+/-0.018 χ^2/NDF: 15281008.8/12



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

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

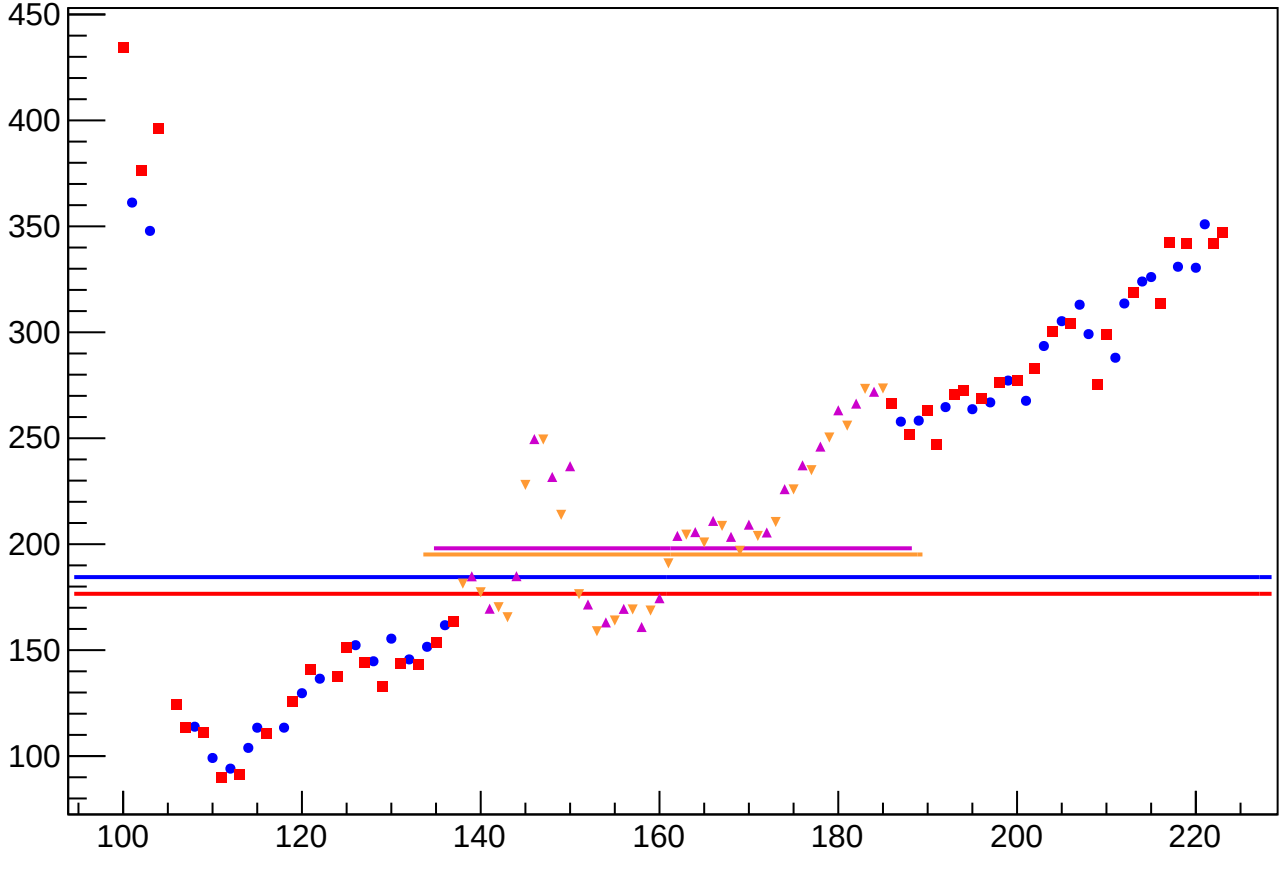
Right: 146479.521+/-0.030 χ^2/NDF: 25536172616.

In: 147115.724+/-0.032 χ^2/NDF:12811778347.1/5

Out: 147051.311+/-0.030 χ^2/NDF:14540844027.3

All: 147081.887+/-0.022 χ^2/NDF: 27354741

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



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

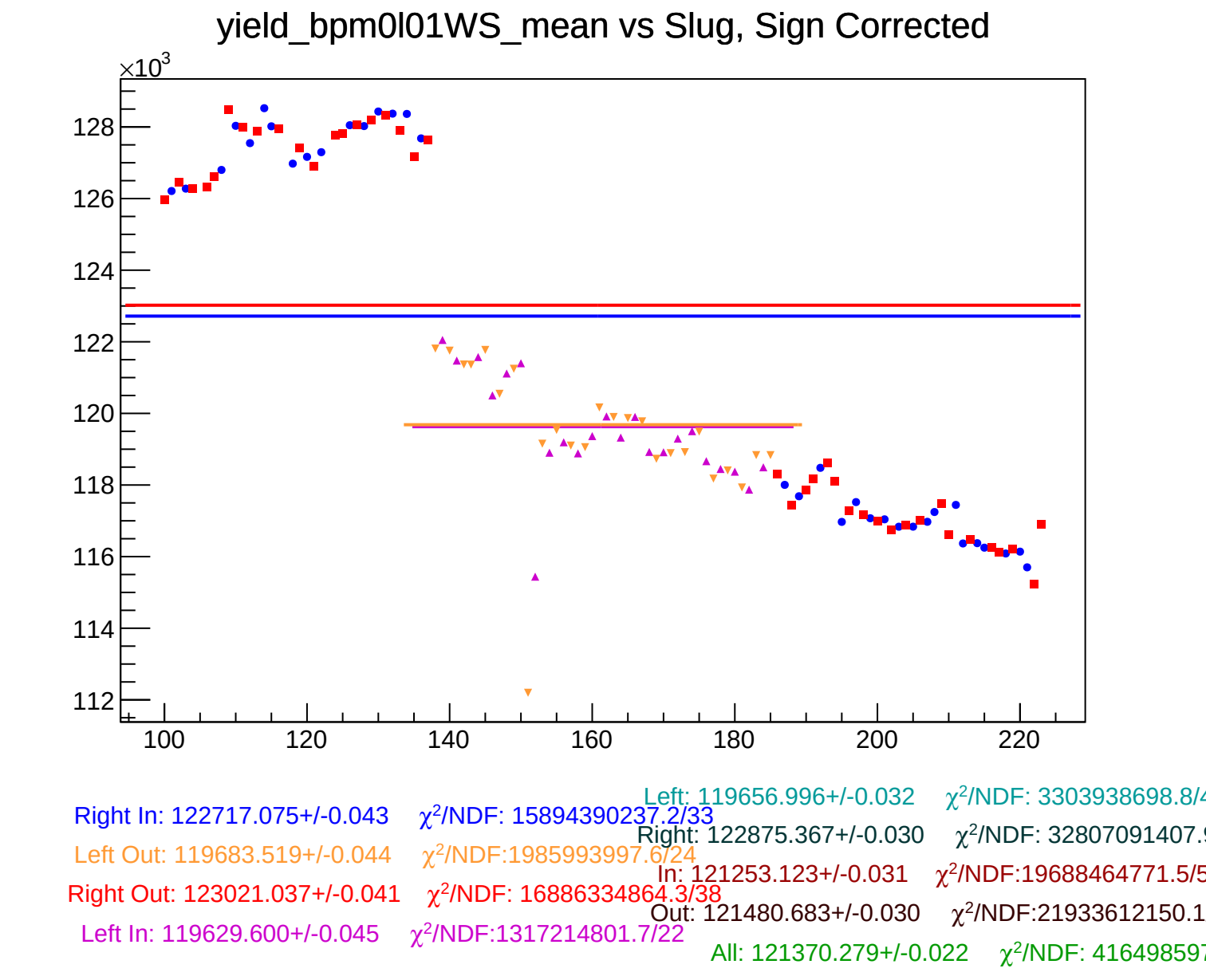
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 180.306+/-0.021 χ^2/NDF: 16182267.9/72

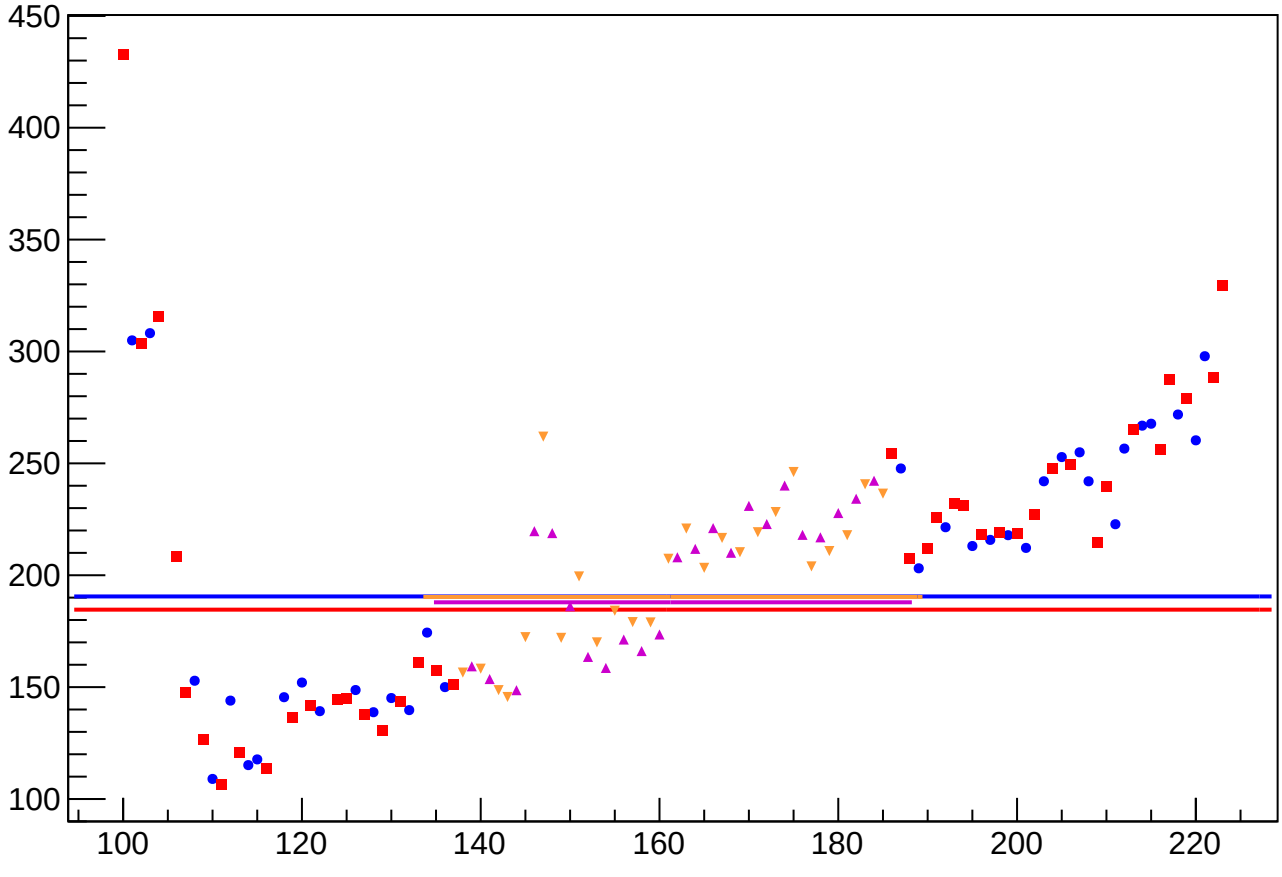
In: 190.744+/-0.023 χ^2/NDF:8628556.2/56

Out: 185.056+/-0.022 χ^2/NDF:9596954.8/63

All: 187.756+/-0.016 χ^2/NDF: 18258561.2/12


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
120
140
160
180
200
220
Right In: 122717.075+/-0.043 χ²/NDF: 15894390237.2/33
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 123021.037+/-0.041 χ²/NDF: 16886334864.3/38
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 122875.367+/-0.030 χ²/NDF: 32807091407.
In: 121253.123+/-0.031 χ²/NDF:19688464771.5/5
Out: 121480.683+/-0.030 χ²/NDF:21933612150.1
All: 121370.279+/-0.022 χ²/NDF: 41649859

yield_bpm0l01WS_rms vs Slug, Sign Corrected



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

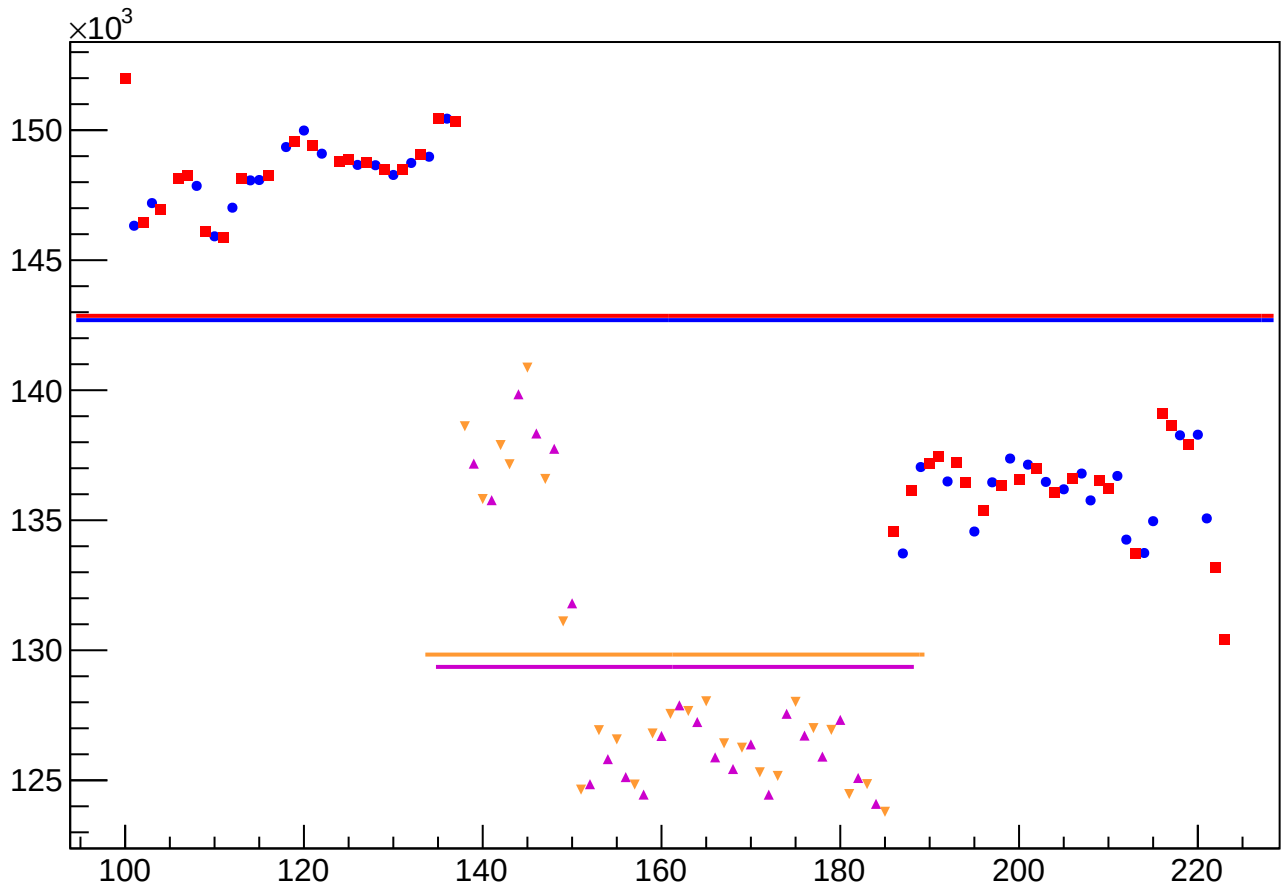
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 187.452+/-0.021 χ^2/NDF: 7532493.6/72

In: 189.285+/-0.022 χ^2/NDF:4290972.7/56

Out: 187.242+/-0.021 χ^2/NDF:5093468.0/63

All: 188.233+/-0.015 χ^2/NDF: 9388922.2/120



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

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

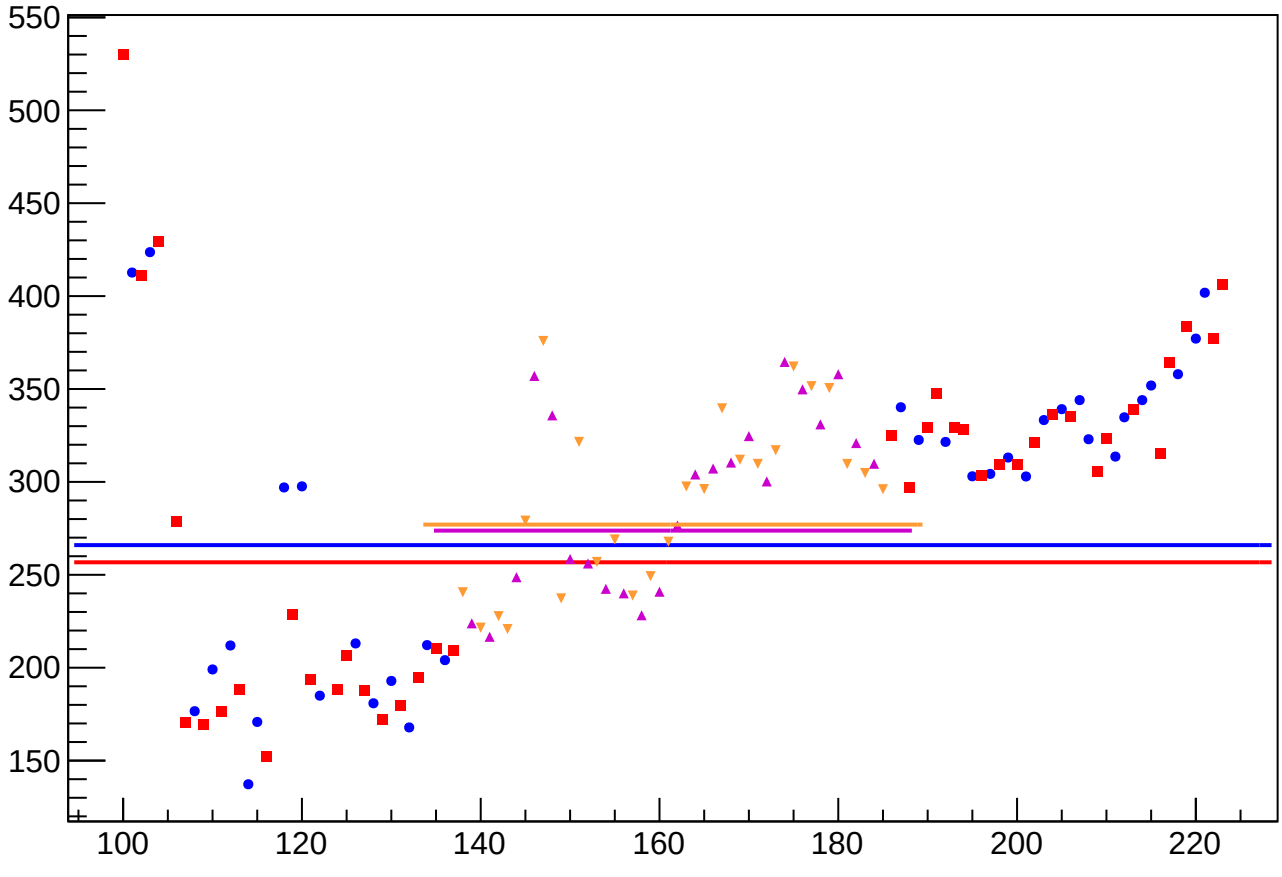
Right: 142781.434+/-0.041 χ^2/NDF: 22931552878.4

In: 136642.904+/-0.044 χ^2/NDF:40534589732.5/5

Out: 137147.885+/-0.043 χ^2/NDF:41662016500.1

All: 136904.220+/-0.031 χ^2/NDF: 82264683

yield_bpm0l02WS_rms vs Slug, Sign Corrected



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

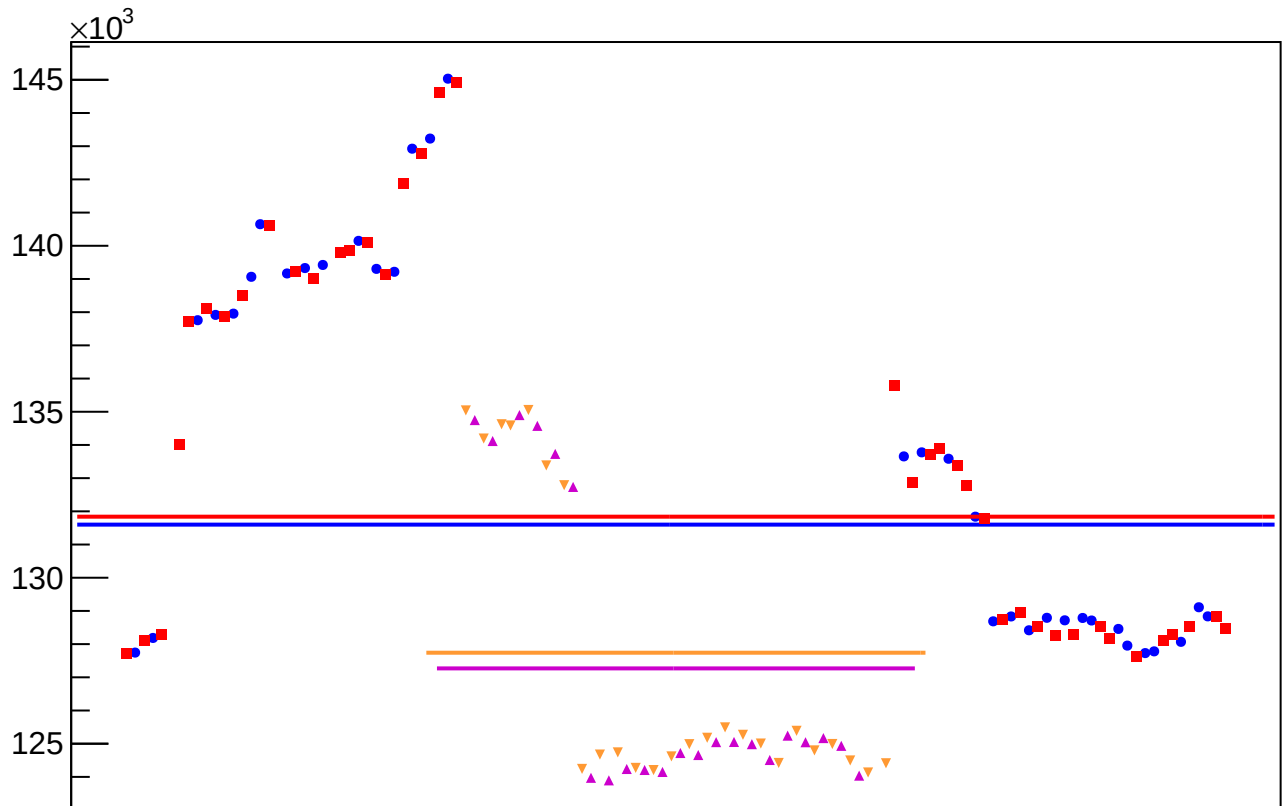
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 261.132+/-0.029 χ^2/NDF: 7080432.1/72

In: 269.521+/-0.031 χ^2/NDF:4346821.4/56

Out: 265.632+/-0.030 χ^2/NDF:4786575.2/63

All: 267.508+/-0.022 χ^2/NDF: 9141473.8/120



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

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

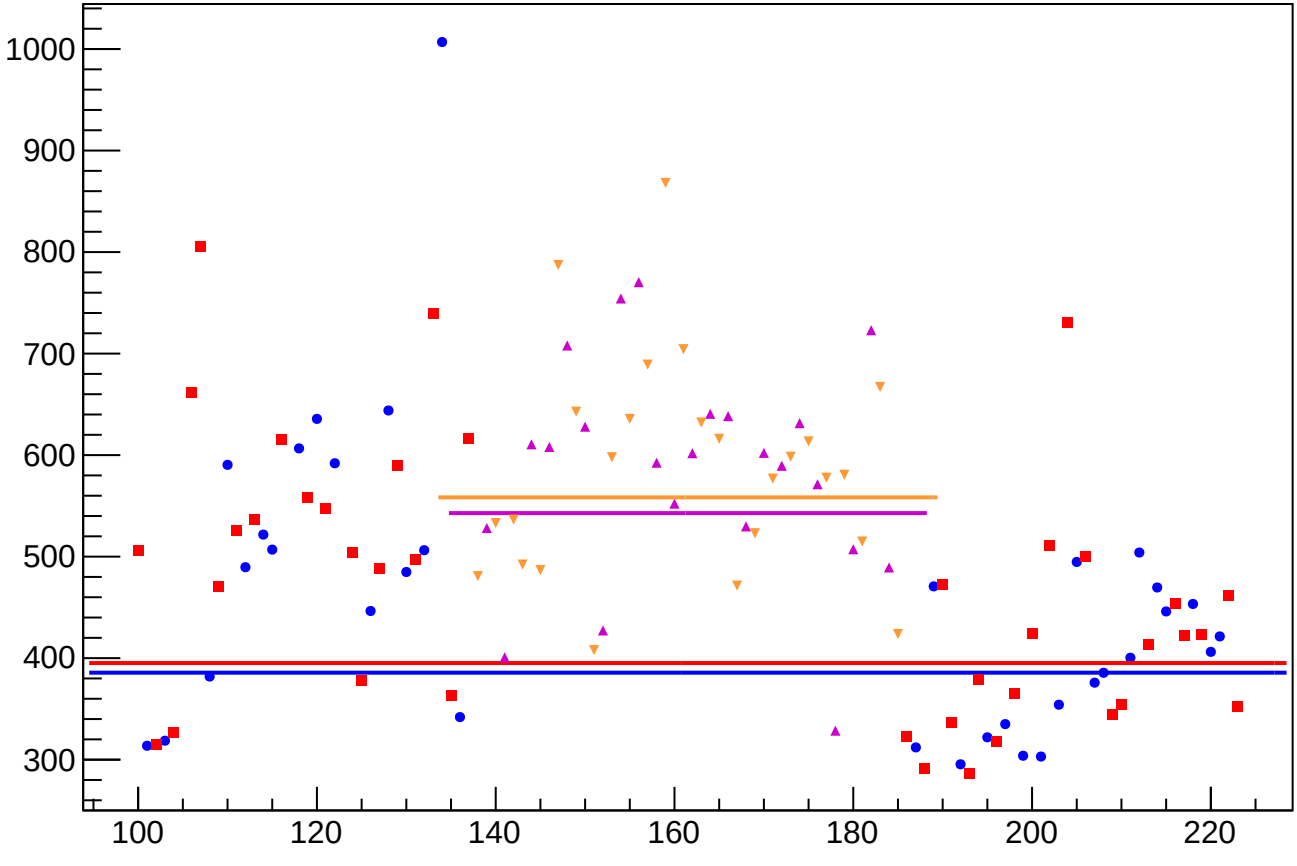
Right: 131717.987+/-0.066 χ^2/NDF: 5371020930.7/

In: 130258.007+/-0.077 χ^2/NDF:4679286968.7/56

Out: 130507.838+/-0.077 χ^2/NDF:4043264438.4/6

All: 130382.705+/-0.055 χ^2/NDF: 87277864

yield_bpm0l03WS_rms vs Slug, Sign Corrected



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

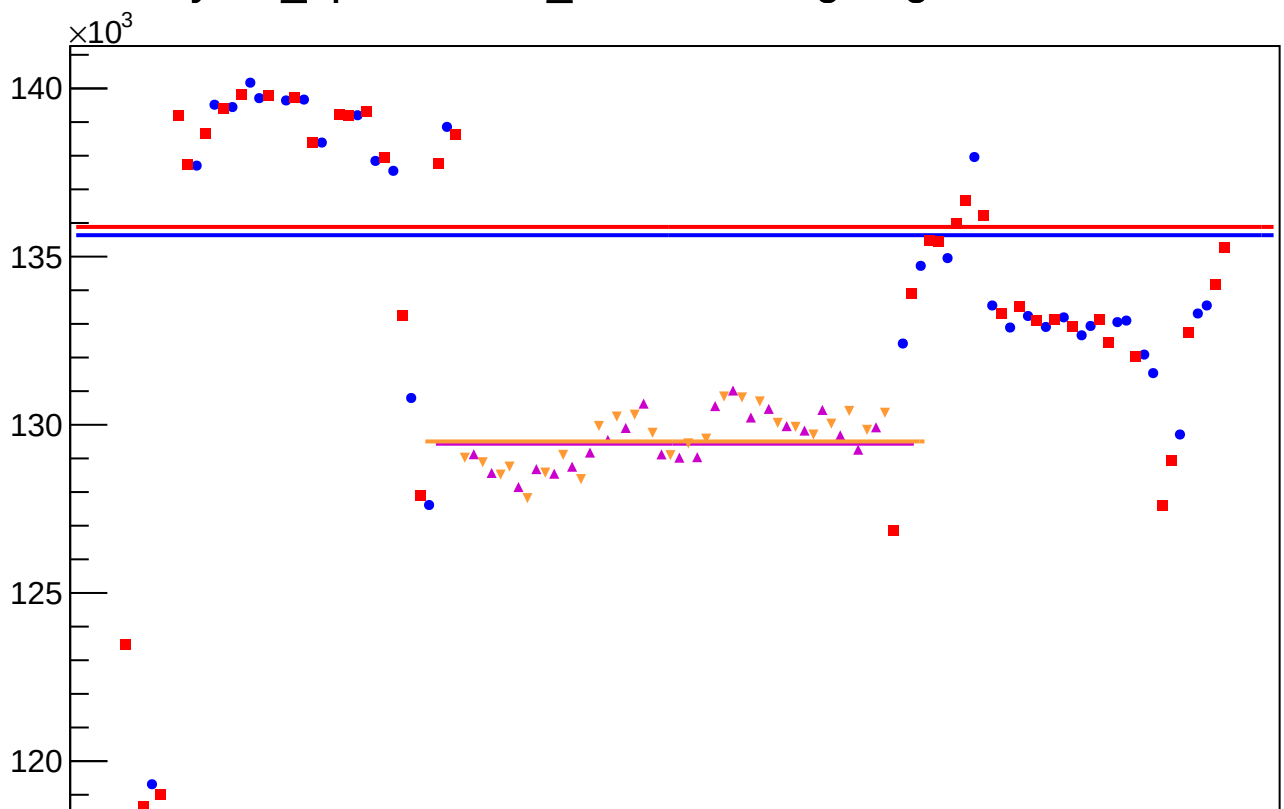
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 390.378+/-0.047 χ^2/NDF: 3904668.8/72

In: 434.386+/-0.055 χ^2/NDF:5005022.7/56

Out: 448.202+/-0.055 χ^2/NDF:5005876.8/63

All: 441.282+/-0.039 χ^2/NDF: 10042921.0/12



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

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

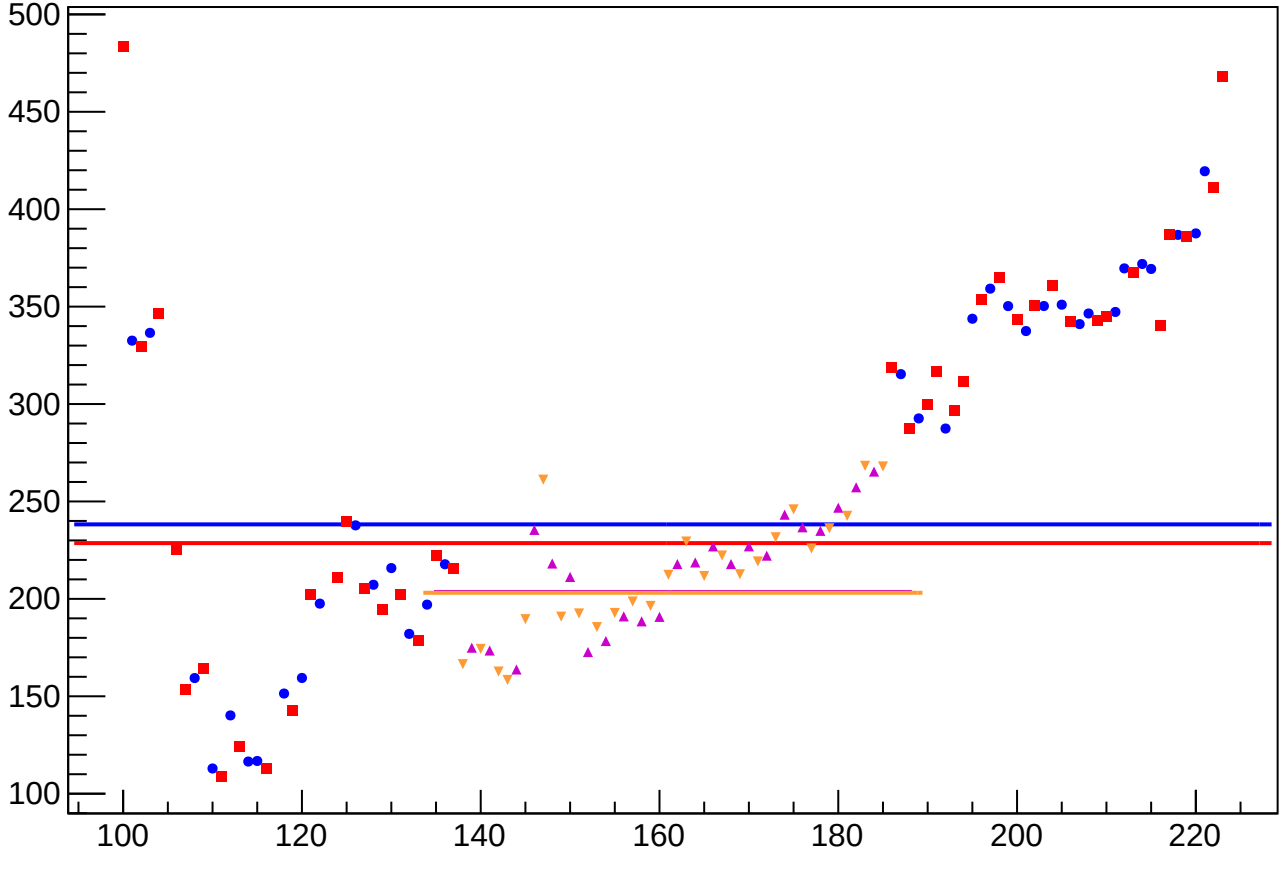
Right: 135766.269+/-0.038 χ^2/NDF: 14997172628.

In: 132118.852+/-0.036 χ^2/NDF:14469756230.7/5

Out: 132328.025+/-0.035 χ^2/NDF:16324589389.9

All: 132227.520+/-0.025 χ^2/NDF: 30811421

yield_bpm0l04WS_rms vs Slug, Sign Corrected



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

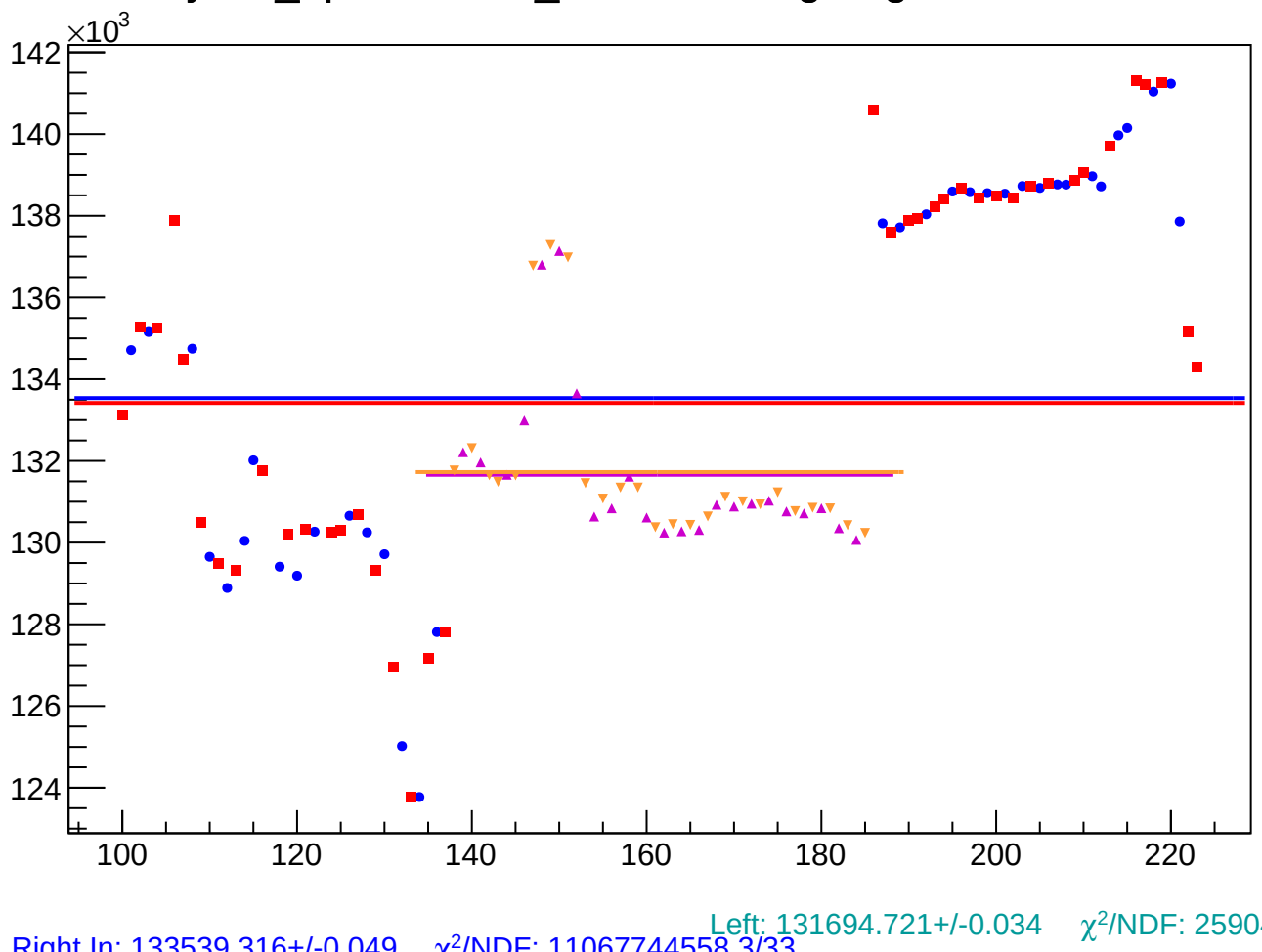
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 233.183+/-0.027 χ^2/NDF: 13031259.8/72

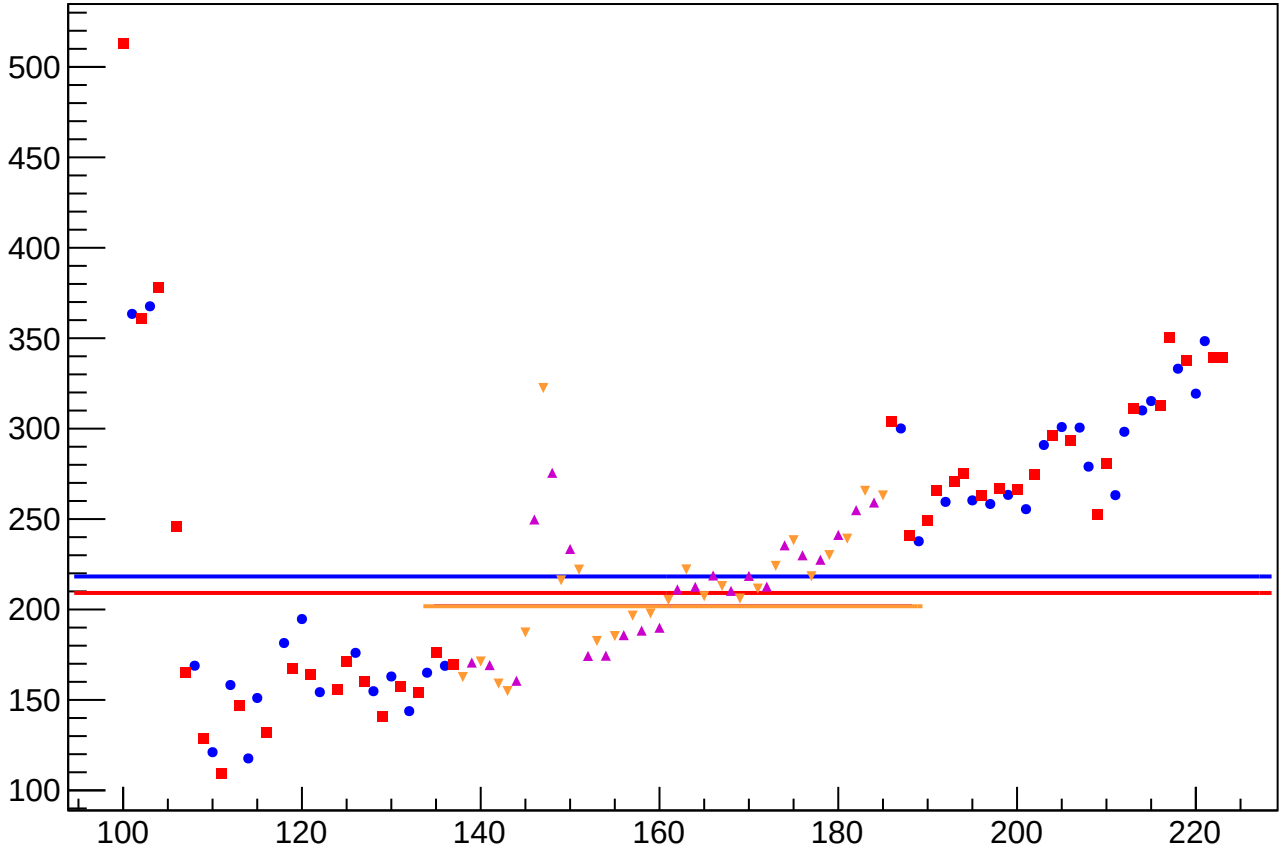
In: 218.549+/-0.026 χ^2/NDF:7169344.2/56

Out: 214.411+/-0.025 χ^2/NDF:7958971.7/63

All: 216.399+/-0.018 χ^2/NDF: 15141684.0/12


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
142
140
138
136
134
132
130
128
126
124
100
120
140
160
180
200
220
Right In: 133539.316+/-0.049 χ²/NDF: 11067744558.3/33
Left Out: 131727.086+/-0.047 χ²/NDF:1425045697.6/24
Right Out: 133419.944+/-0.047 χ²/NDF: 10950527357.9/38
Left In: 131660.490+/-0.048 χ²/NDF:1164380319.7/22
Left: 131694.721+/-0.034 χ²/NDF: 2590408205.6/4
Right: 133476.662+/-0.034 χ²/NDF: 22021328127.
In: 132575.038+/-0.035 χ²/NDF:12972452577.9/5
Out: 132569.514+/-0.033 χ²/NDF:13025434630.8
All: 132572.169+/-0.024 χ²/NDF: 259979005

yield_bpm0l05WS_rms vs Slug, Sign Corrected



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

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 213.478+/-0.024 χ^2/NDF: 9139274.3/72

In: 209.888+/-0.024 χ^2/NDF:4947730.7/56

Out: 205.455+/-0.023 χ^2/NDF:6000104.0/63

All: 207.586+/-0.017 χ^2/NDF: 10964967.9/12

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

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

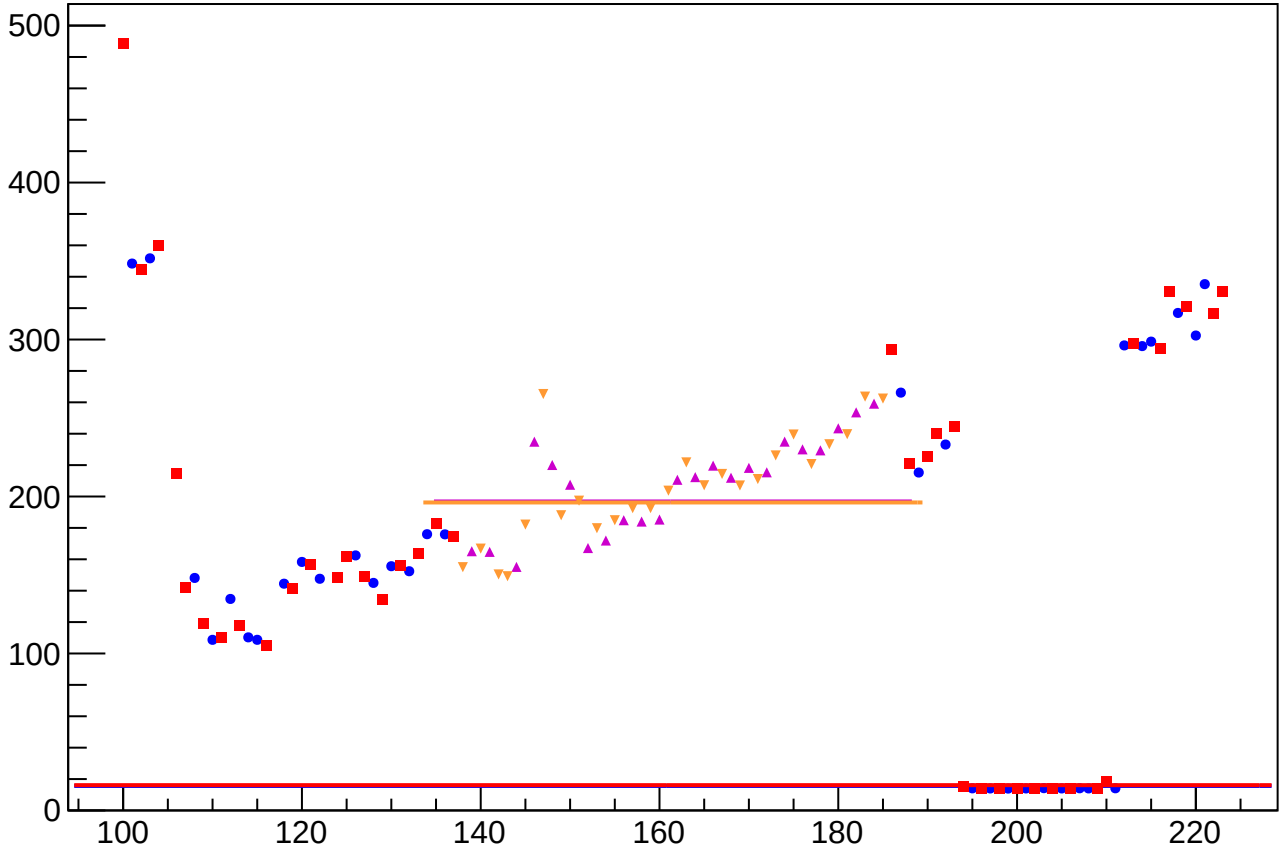
Right: 3778.494+/-0.004 χ^2/NDF: 12538892039084

In: 5010.720+/-0.005 χ^2/NDF:12940480608234.5

Out: 5785.983+/-0.005 χ^2/NDF:14090092057317.

All: 5369.561+/-0.004 χ^2/NDF: 2704159596

yield_bpm0l06WS_rms vs Slug, Sign Corrected



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

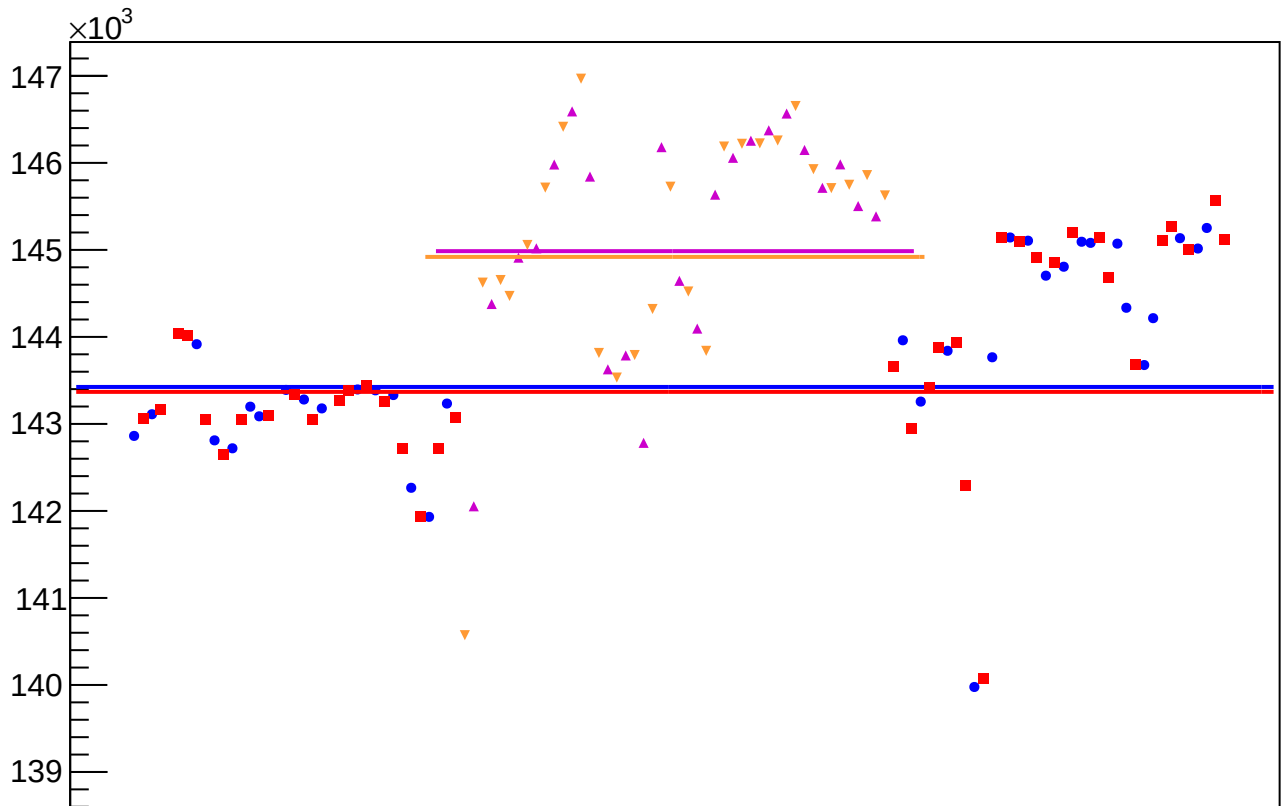
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.850+/-0.003 χ^2/NDF: 49185163.3/72

In: 17.702+/-0.004 χ^2/NDF:54396156.6/56

Out: 18.662+/-0.004 χ^2/NDF:56897018.9/63

All: 18.147+/-0.003 χ^2/NDF: 111327002.3/12



Right In: 143424.963+/-0.053 χ^2/NDF: 346155713.8/33

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143368.378+/-0.050 χ^2/NDF: 376271686.5/38

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

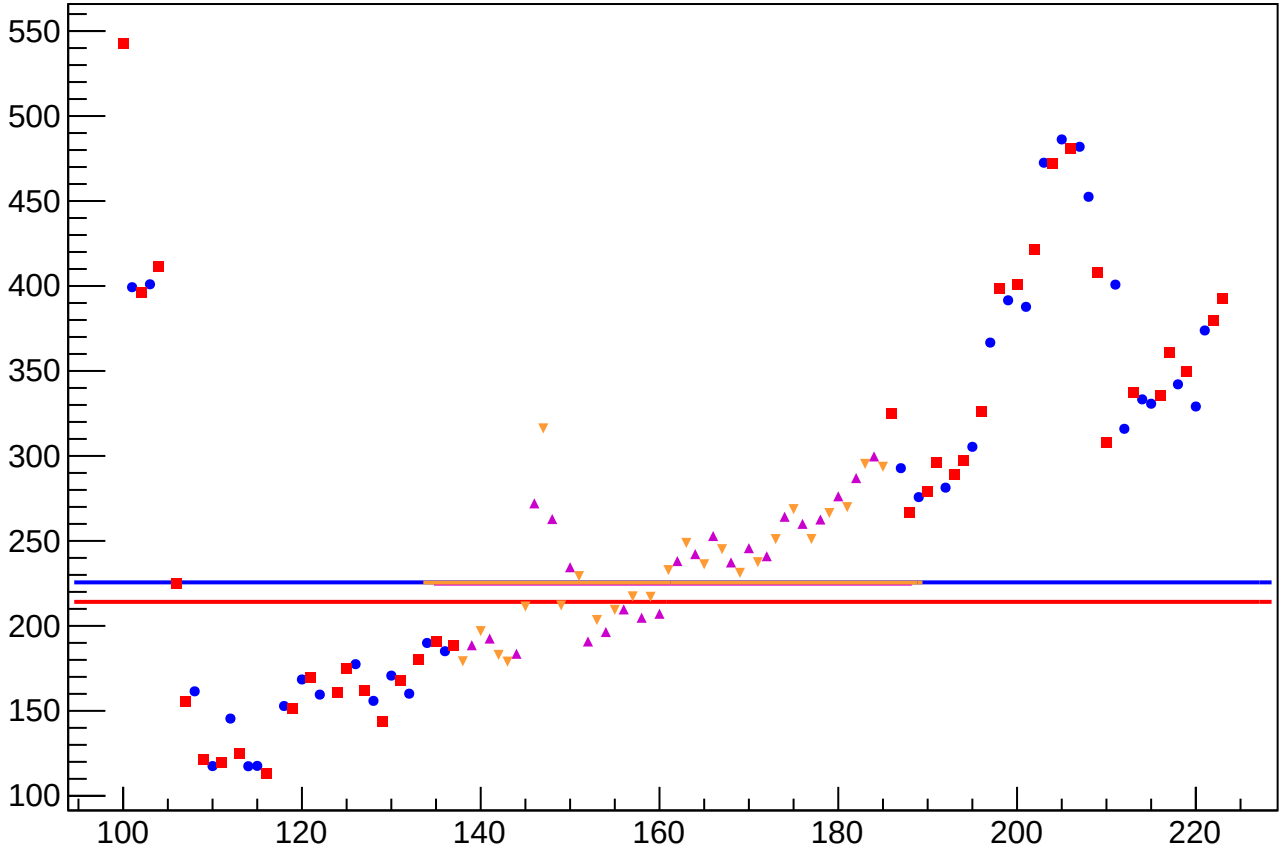
Right: 143394.931+/-0.037 χ^2/NDF: 723024287.8/7

In: 144202.100+/-0.038 χ^2/NDF:1390938469.6/56

Out: 144112.760+/-0.036 χ^2/NDF:1670434407.5/6

All: 144155.471+/-0.026 χ^2/NDF: 30642875

yield_bpm0l07WS_rms vs Slug, Sign Corrected



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

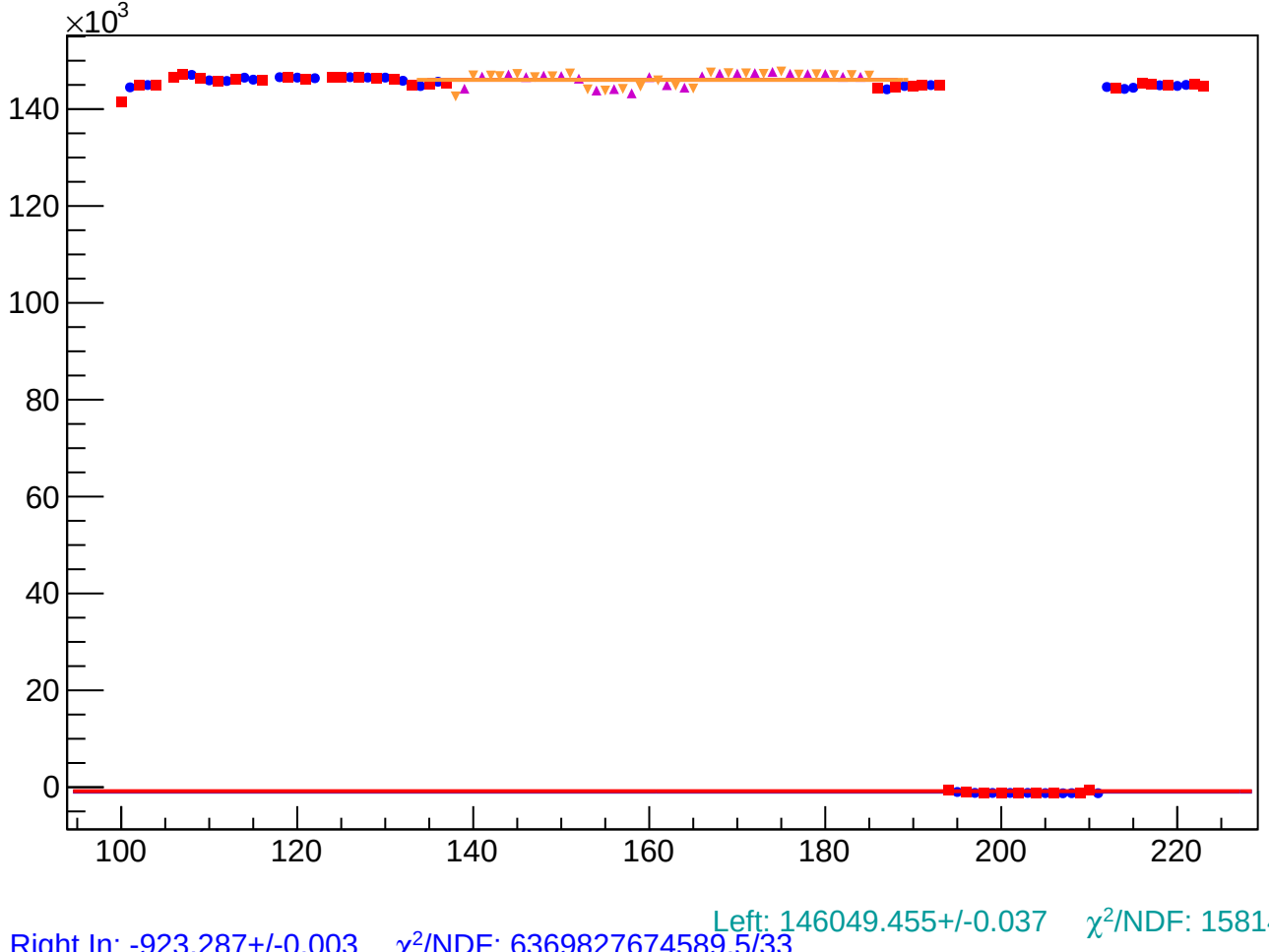
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 219.517+/-0.026 χ^2/NDF: 15736898.0/72

In: 225.236+/-0.027 χ^2/NDF:8109300.9/56

Out: 219.580+/-0.026 χ^2/NDF:9127019.8/63

All: 222.284+/-0.018 χ^2/NDF: 17259680.7/12



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

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

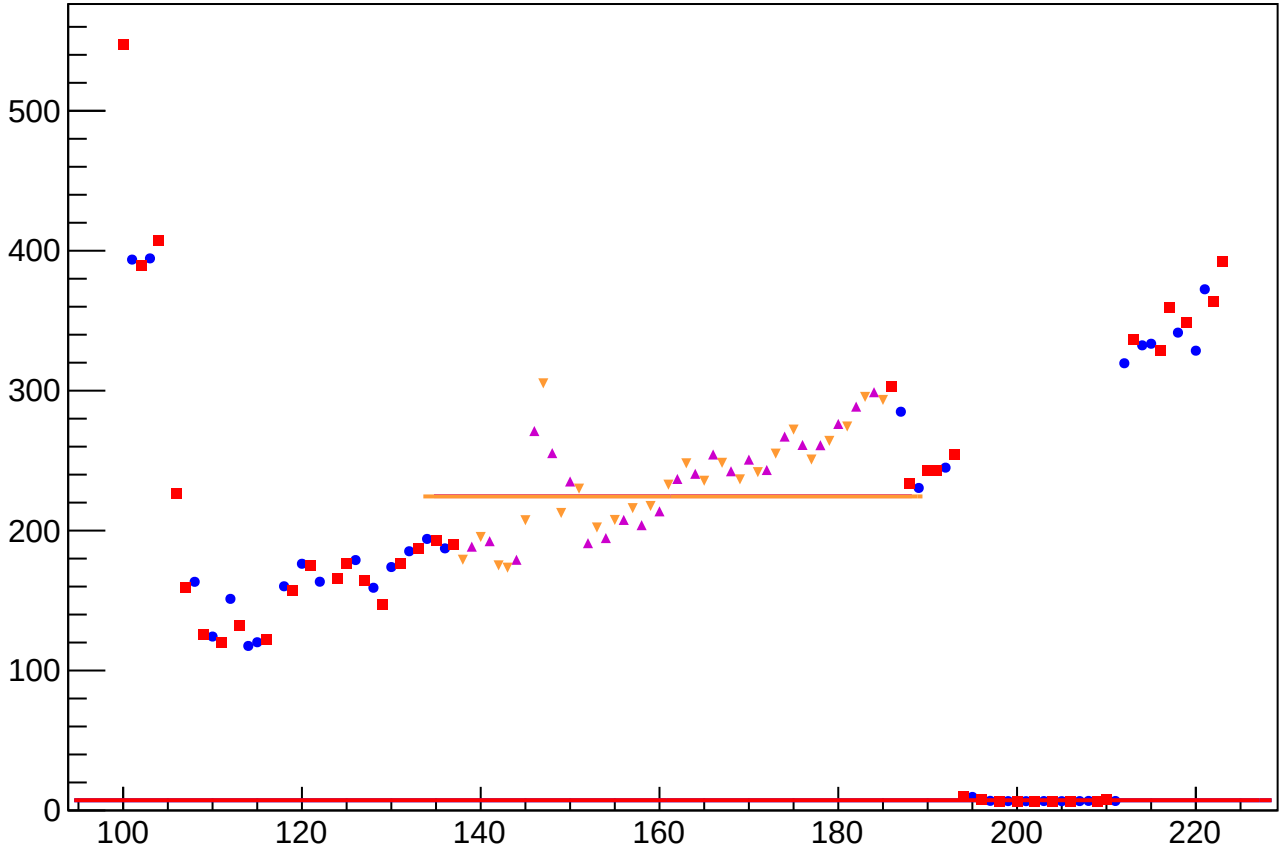
Right: -876.332+/-0.002 χ^2/NDF: 13652304557233

In: -602.956+/-0.003 χ^2/NDF:13884323049583.7/

Out: -431.905+/-0.003 χ^2/NDF:15235169981836.1

All: -523.399+/-0.002 χ^2/NDF: 2912166950

yield_bpm0l08WS_rms vs Slug, Sign Corrected



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

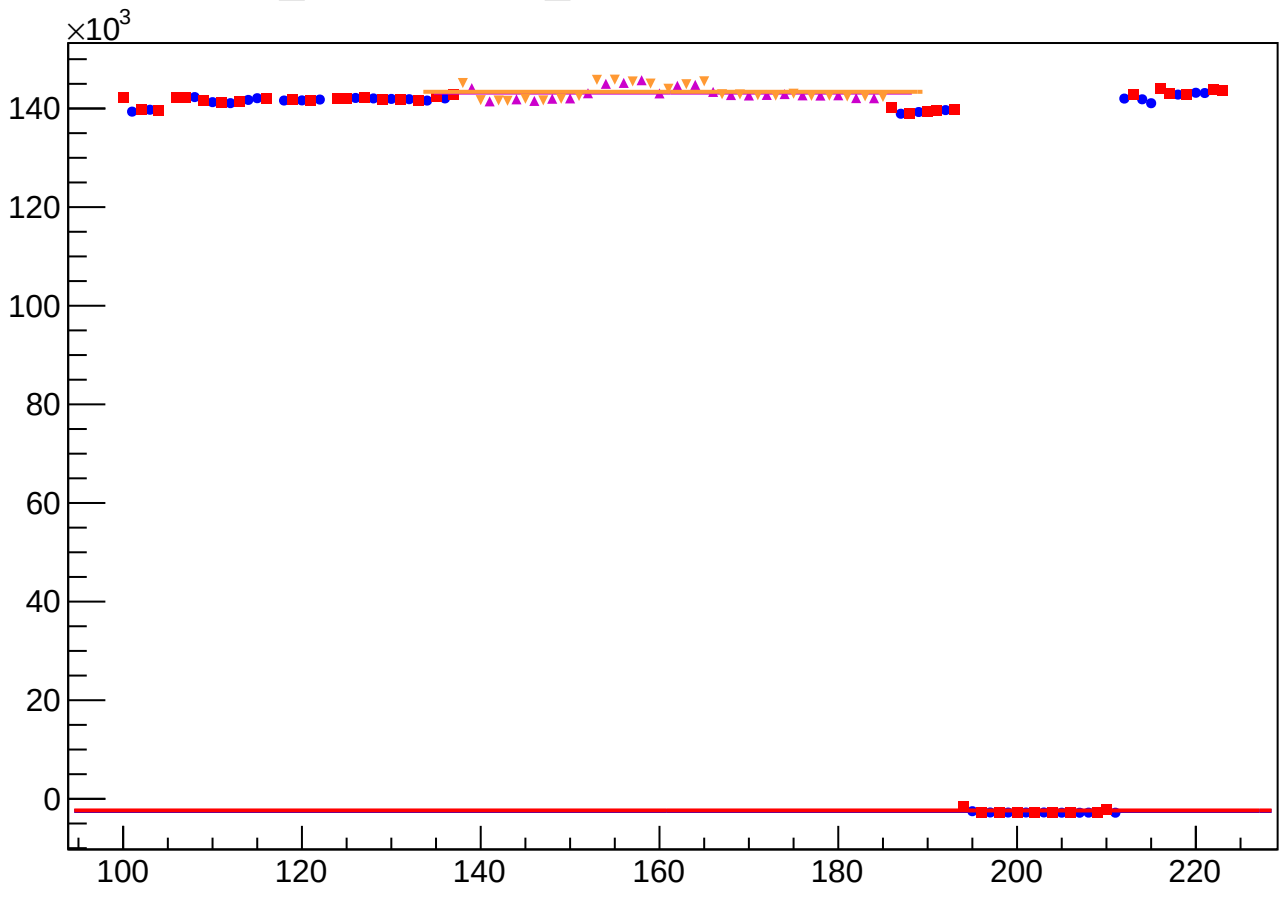
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.290+/-0.001 χ^2/NDF: 53904534.2/72

In: 7.735+/-0.002 χ^2/NDF:60003545.0/56

Out: 7.900+/-0.002 χ^2/NDF:63132549.8/63

All: 7.812+/-0.001 χ^2/NDF: 123140163.7/120



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

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

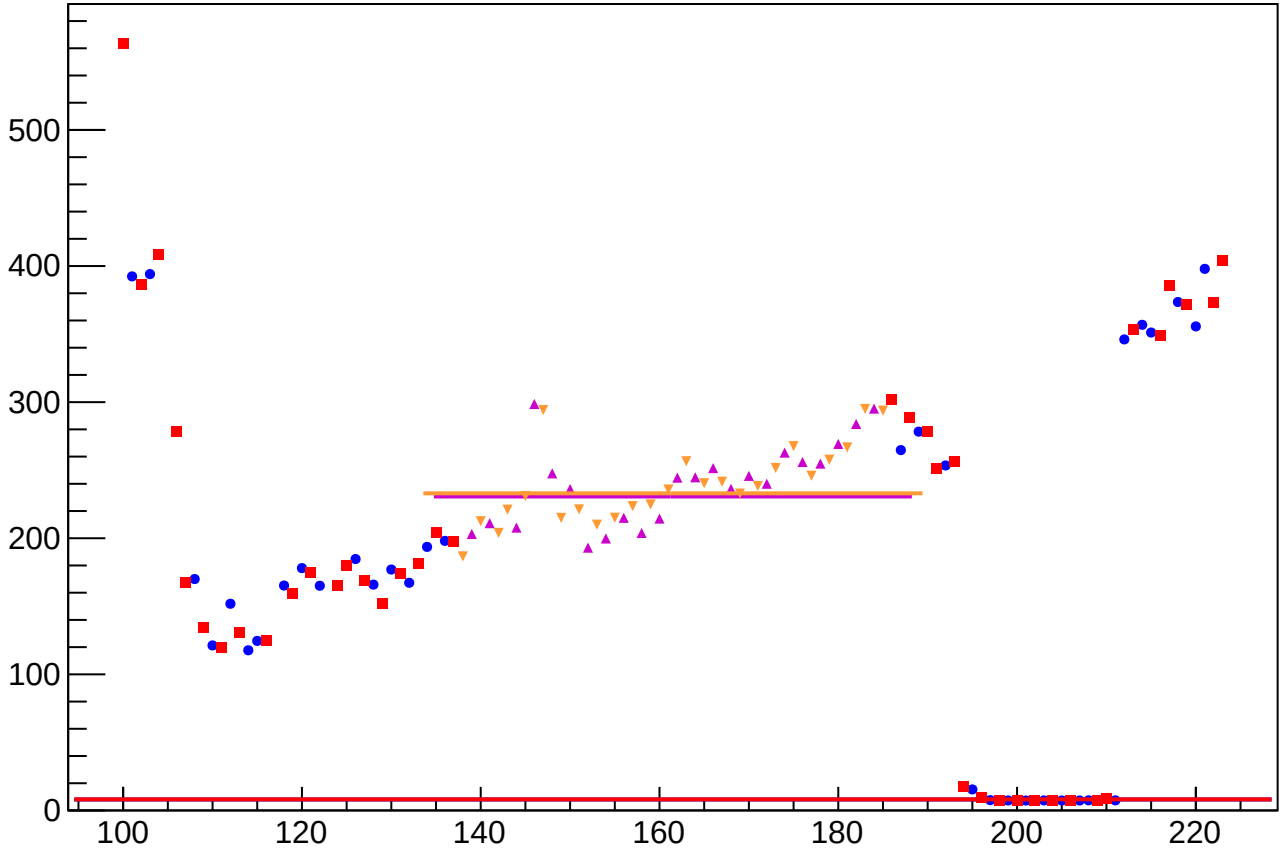
Right: -2414.363+/-0.002 χ^2/NDF: 1238296368618

In: -2086.669+/-0.003 χ^2/NDF:12856275999017.4

Out: -1902.520+/-0.003 χ^2/NDF:13916425596595

All: -2001.055+/-0.002 χ^2/NDF: 2677472298

yield_bpm0l09WS_rms vs Slug, Sign Corrected



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

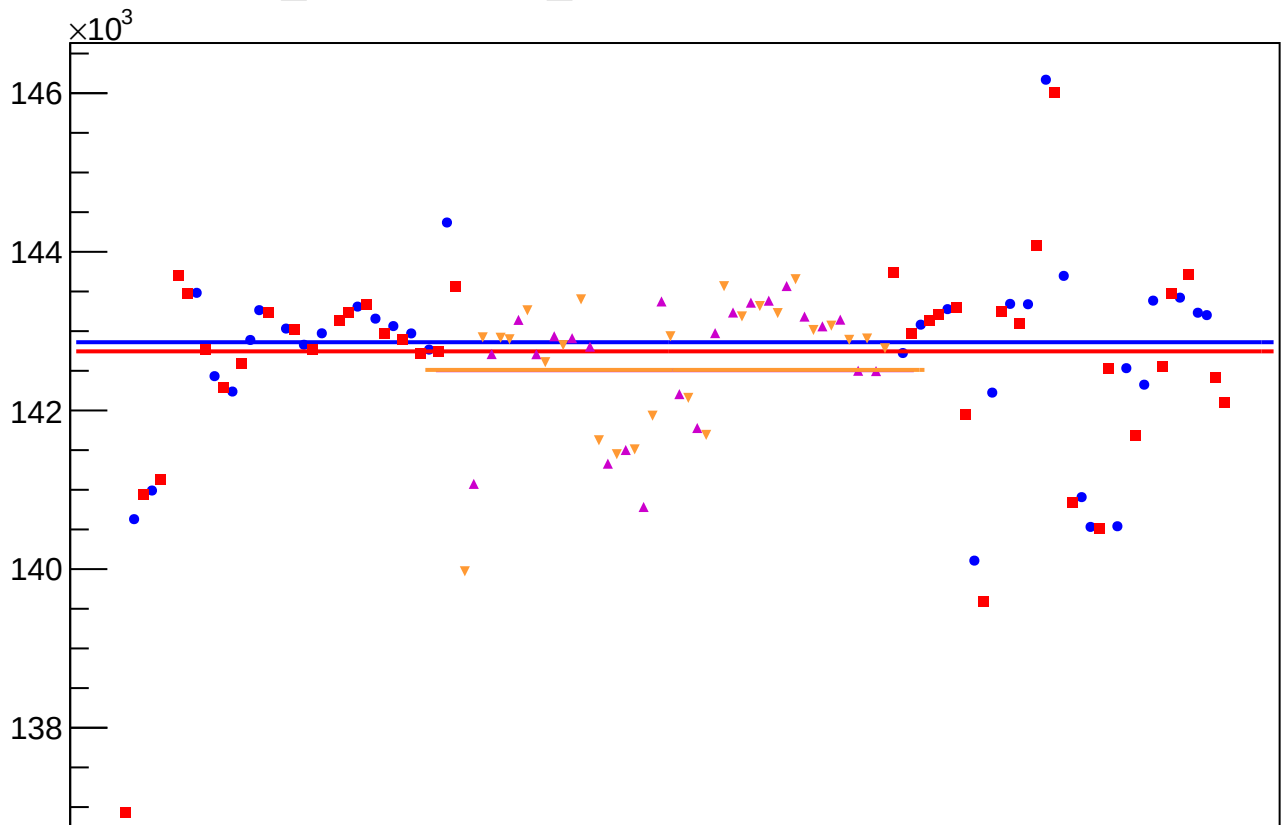
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.093+/-0.001 χ^2/NDF: 54064861.9/72

In: 8.629+/-0.002 χ^2/NDF:59920995.9/56

Out: 8.841+/-0.002 χ^2/NDF:62973441.1/63

All: 8.728+/-0.001 χ^2/NDF: 122899814.8/120



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

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

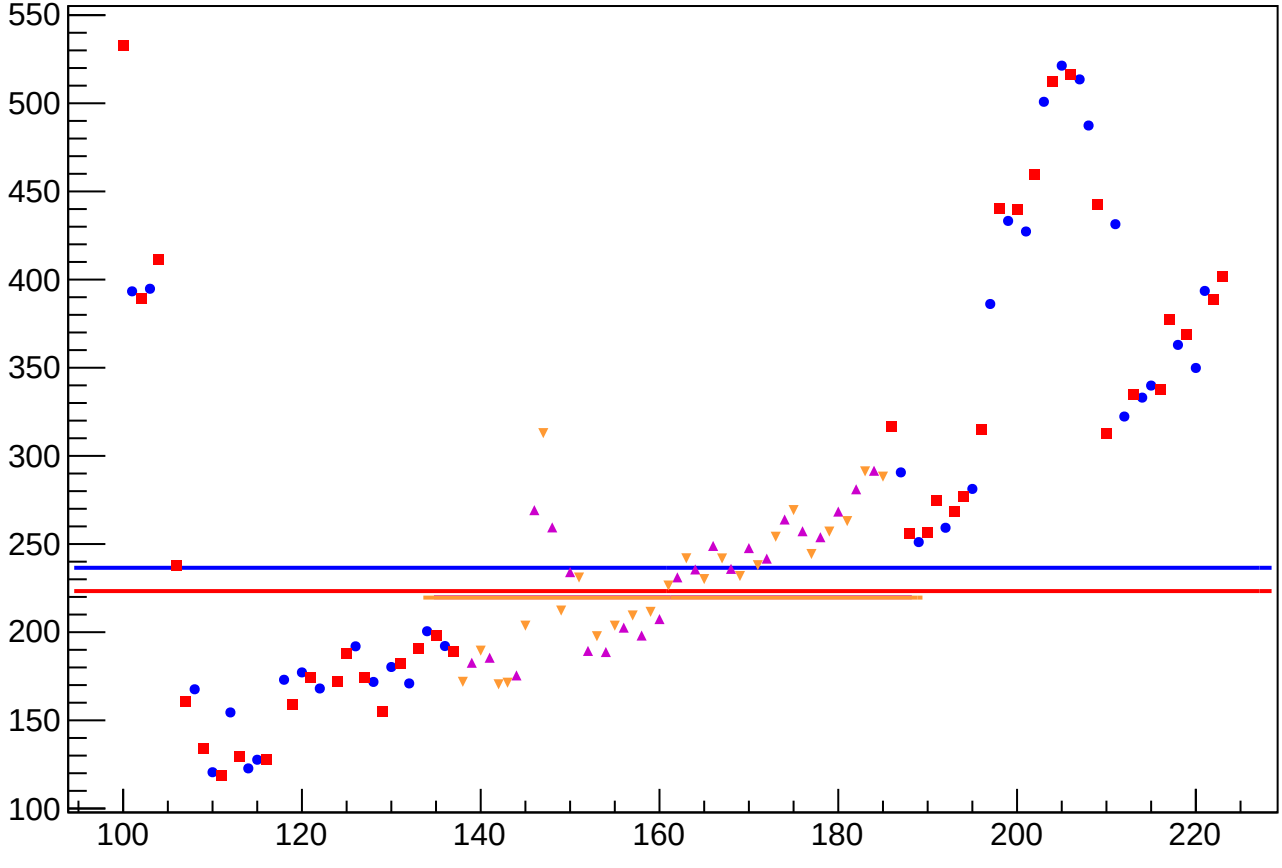
Right: 142798.856+/-0.038 χ^2/NDF: 565289826.7/7

In: 142672.971+/-0.038 χ^2/NDF:594953846.9/56

Out: 142625.611+/-0.036 χ^2/NDF:606979561.0/63

All: 142648.150+/-0.026 χ^2/NDF: 12027391

yield_bpm0l10WS_rms vs Slug, Sign Corrected



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

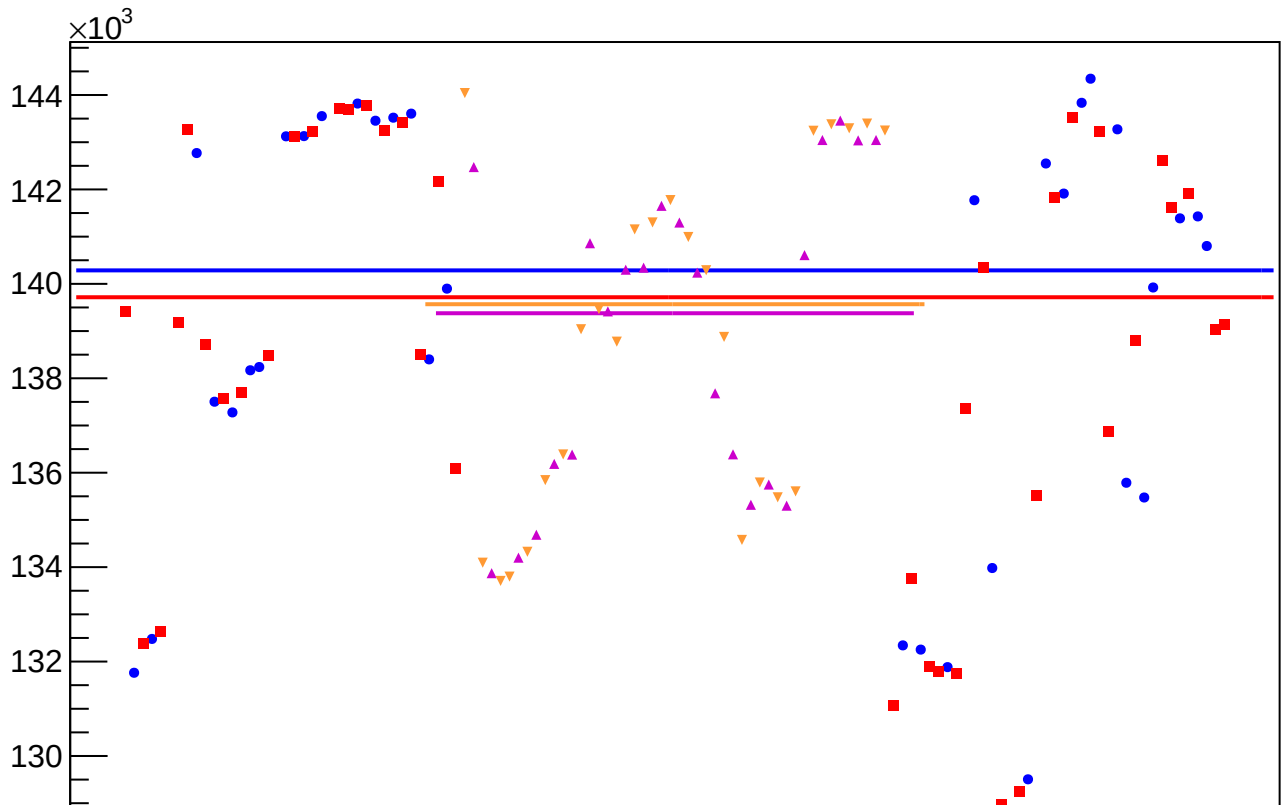
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 229.465+/-0.027 χ^2/NDF: 15013718.9/72

In: 227.646+/-0.027 χ^2/NDF:7988598.7/56

Out: 221.424+/-0.026 χ^2/NDF:8773215.7/63

All: 224.385+/-0.019 χ^2/NDF: 16789625.5/12



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

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

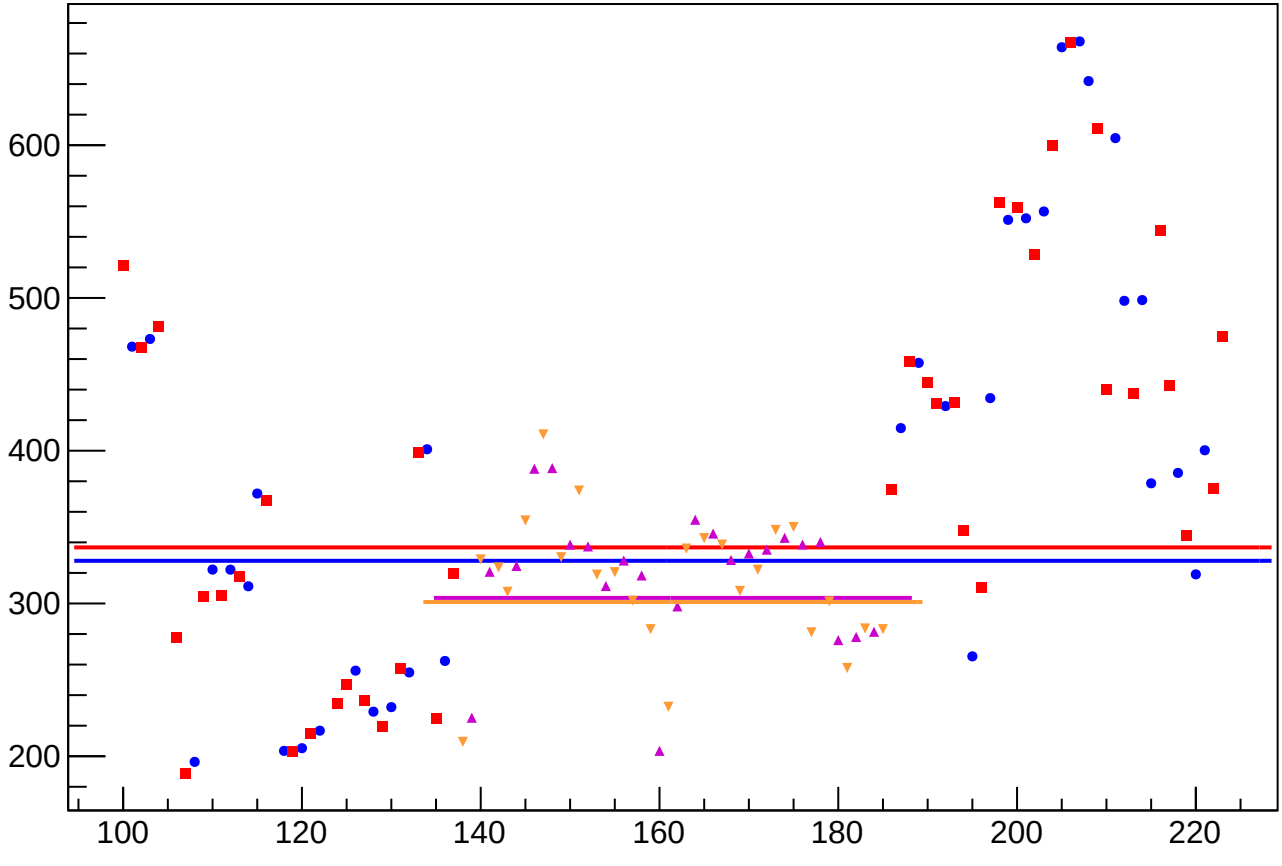
Right: 140000.428+/-0.054 χ^2/NDF: 5754133213.9/

In: 139812.366+/-0.053 χ^2/NDF:4819271453.3/56

Out: 139636.557+/-0.051 χ^2/NDF:5491136699.1/6

All: 139722.489+/-0.037 χ^2/NDF: 10316106

yield_bpm0r03WS_rms vs Slug, Sign Corrected



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

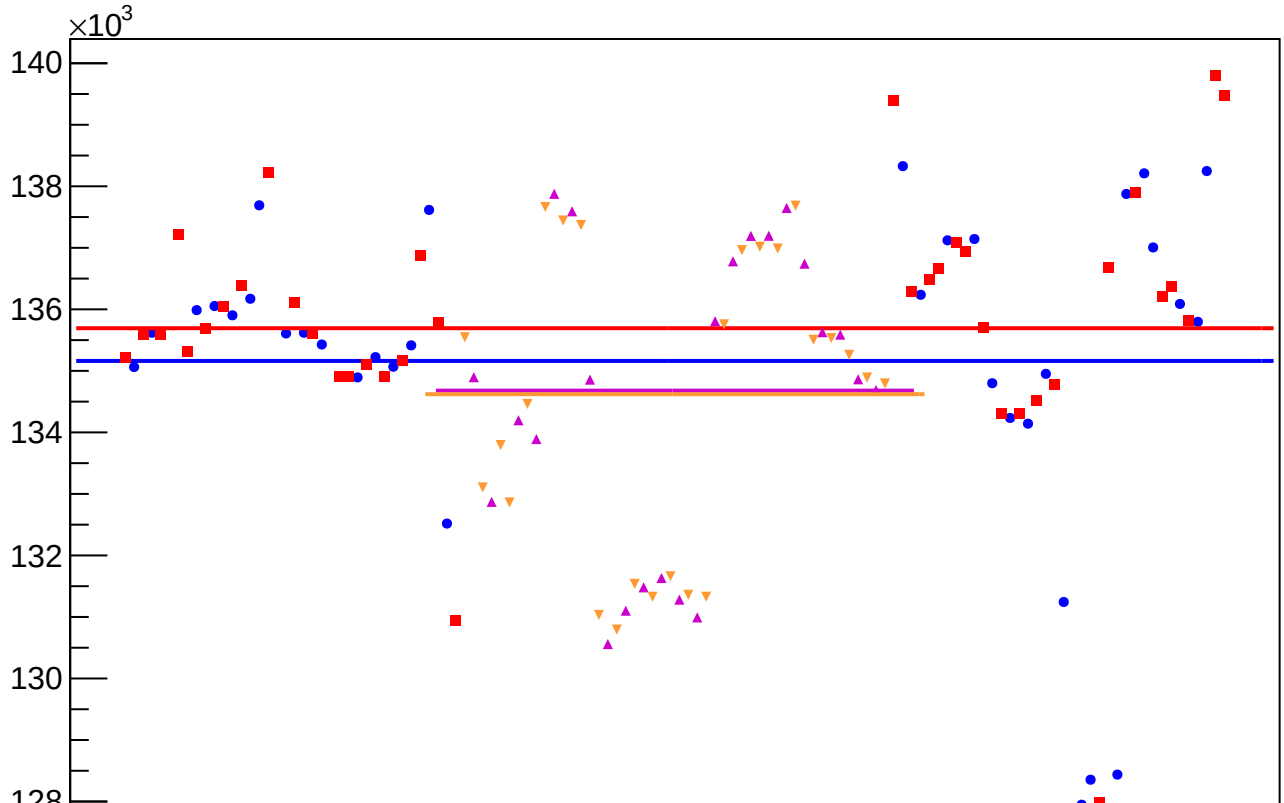
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 332.327+/-0.038 χ^2/NDF: 10352798.0/72

In: 315.285+/-0.037 χ^2/NDF:6467348.4/56

Out: 317.382+/-0.036 χ^2/NDF:6070685.3/63

All: 316.357+/-0.026 χ^2/NDF: 12539654.2/12



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

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

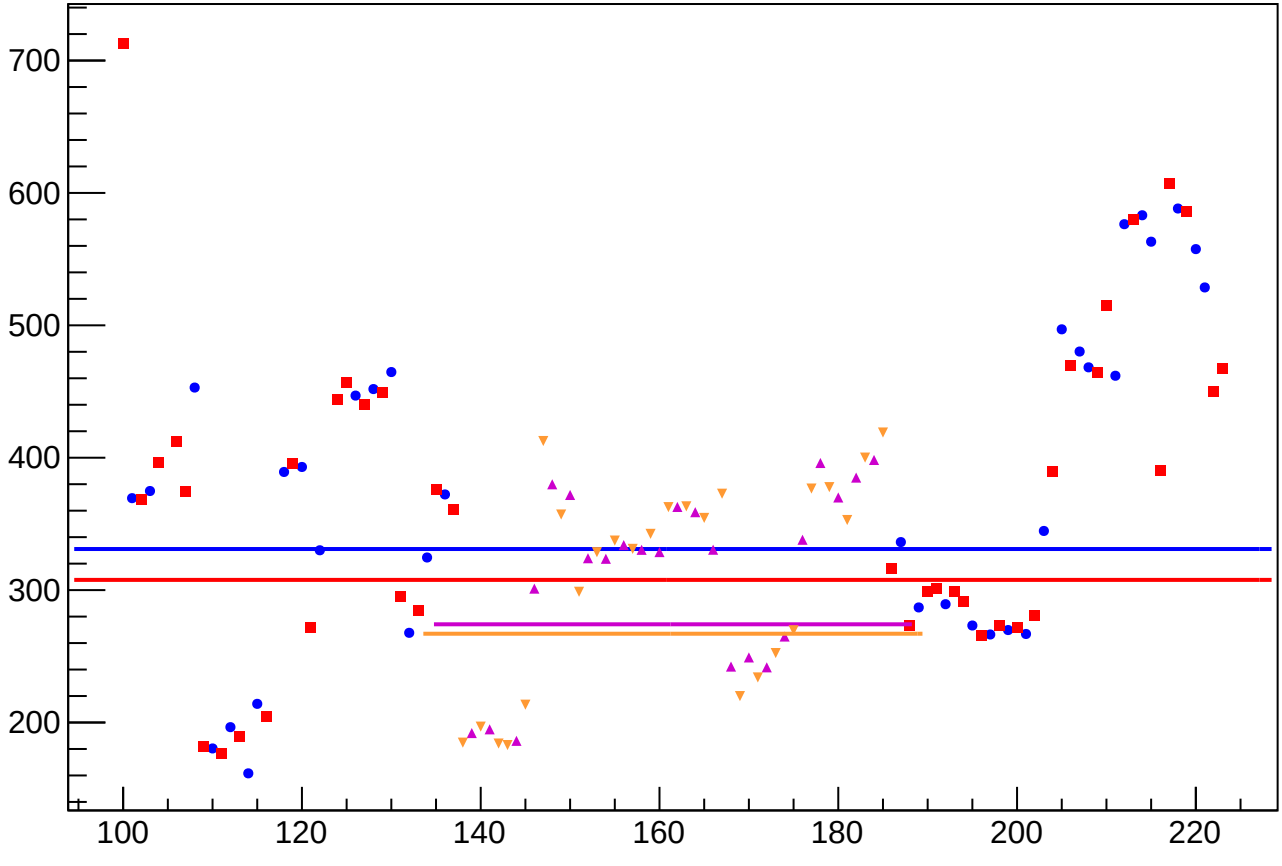
Right: 135451.324+/-0.051 χ^2/NDF: 1854663472.6/

In: 134891.780+/-0.050 χ^2/NDF:2052236983.9/56

Out: 135116.808+/-0.047 χ^2/NDF:2226876031.3/6

All: 135011.887+/-0.034 χ^2/NDF: 42899271

yield_bpm0r05WS_rms vs Slug, Sign Corrected



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

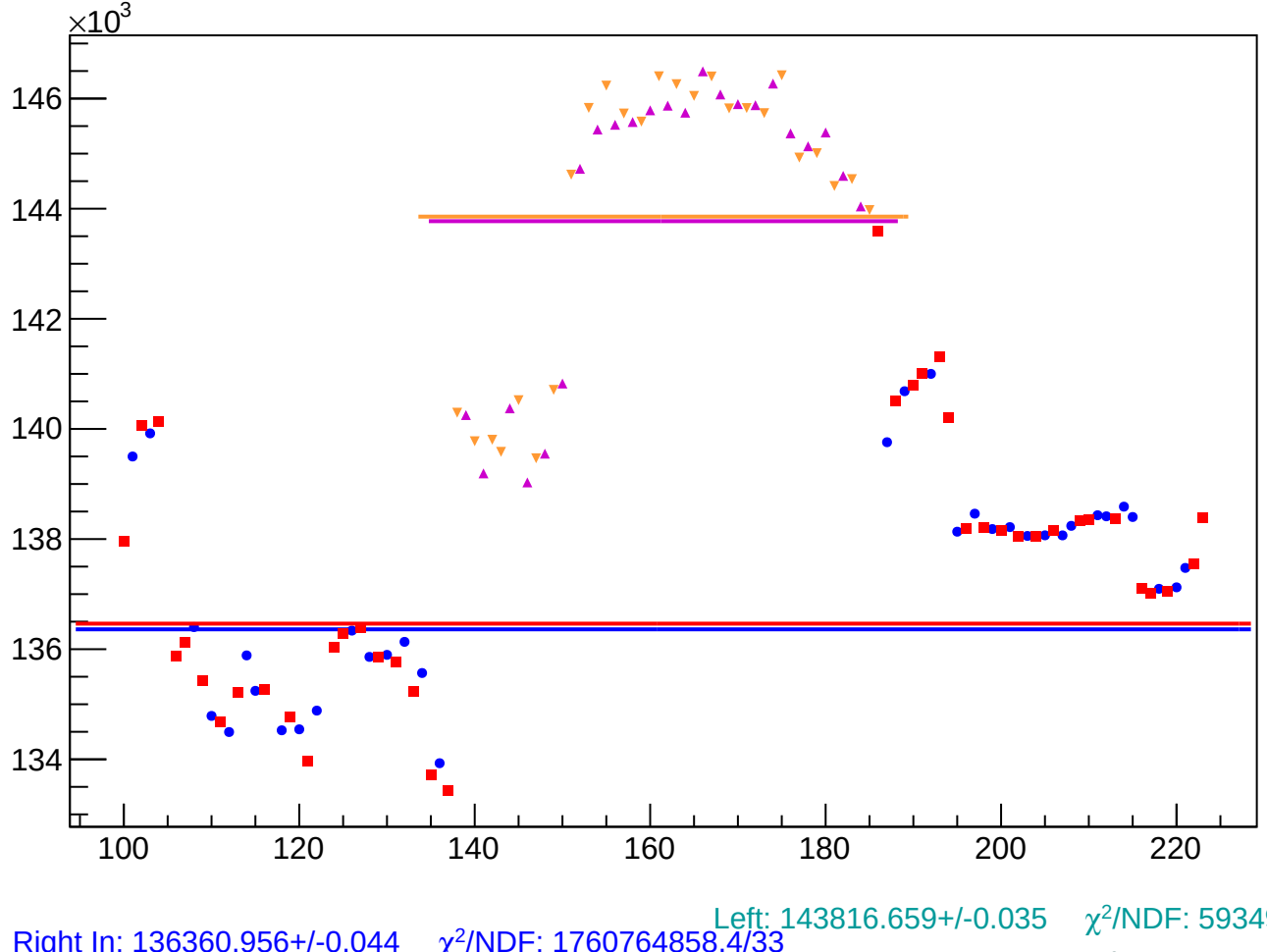
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 318.321+/-0.036 χ^2/NDF: 9085348.5/72

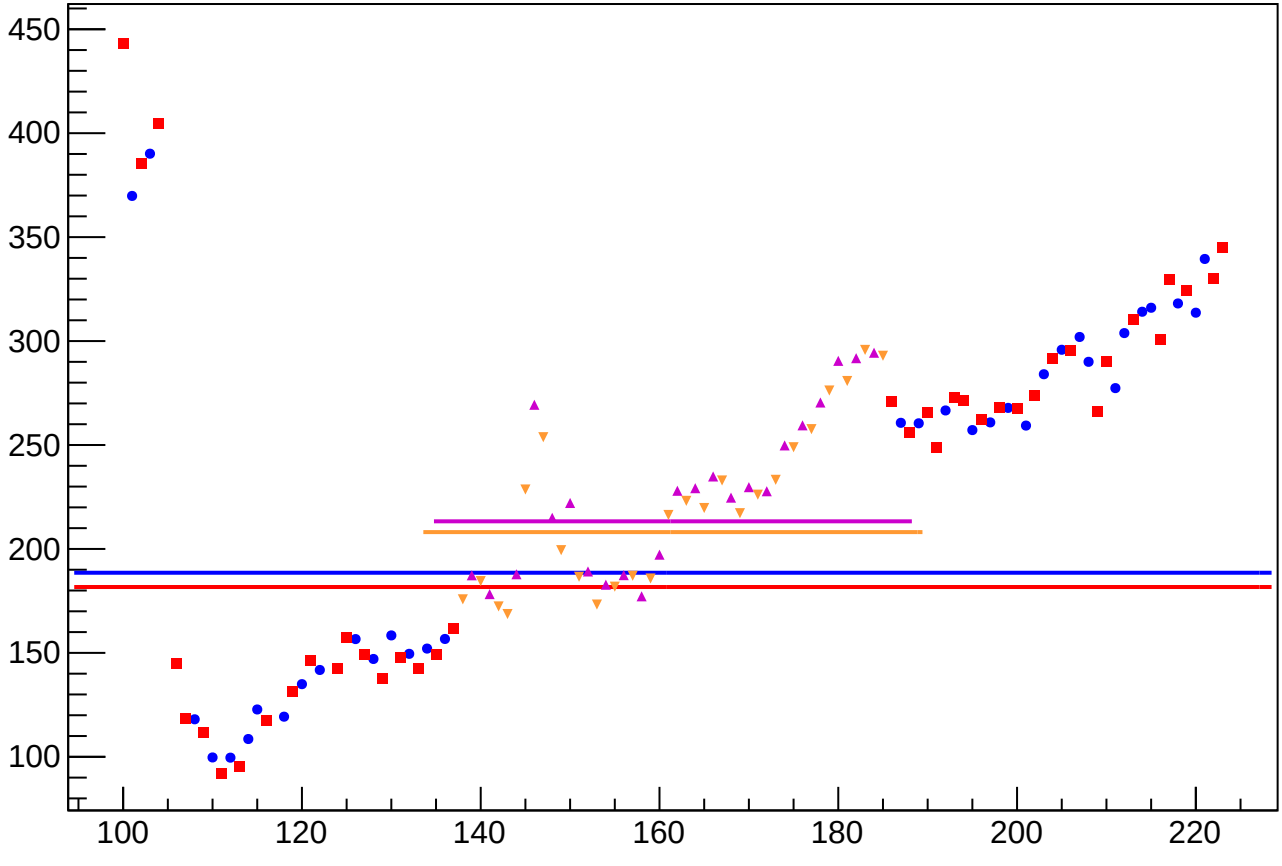
In: 299.281+/-0.035 χ^2/NDF:7404490.6/56

Out: 285.862+/-0.033 χ^2/NDF:7670677.1/63

All: 292.119+/-0.024 χ^2/NDF: 15152080.7/12


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
220
Right In: 136360.956+/-0.044 χ²/NDF: 1760764858.4/33
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136464.072+/-0.042 χ²/NDF: 2336569116.1/38
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 136414.867+/-0.031 χ²/NDF: 4100180460.9/
In: 139545.307+/-0.033 χ²/NDF:16649854467.4/5
Out: 139663.116+/-0.032 χ²/NDF:18732865841.2
All: 139607.063+/-0.023 χ²/NDF: 353892515

yield_bpm0i02WS_rms vs Slug, Sign Corrected



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

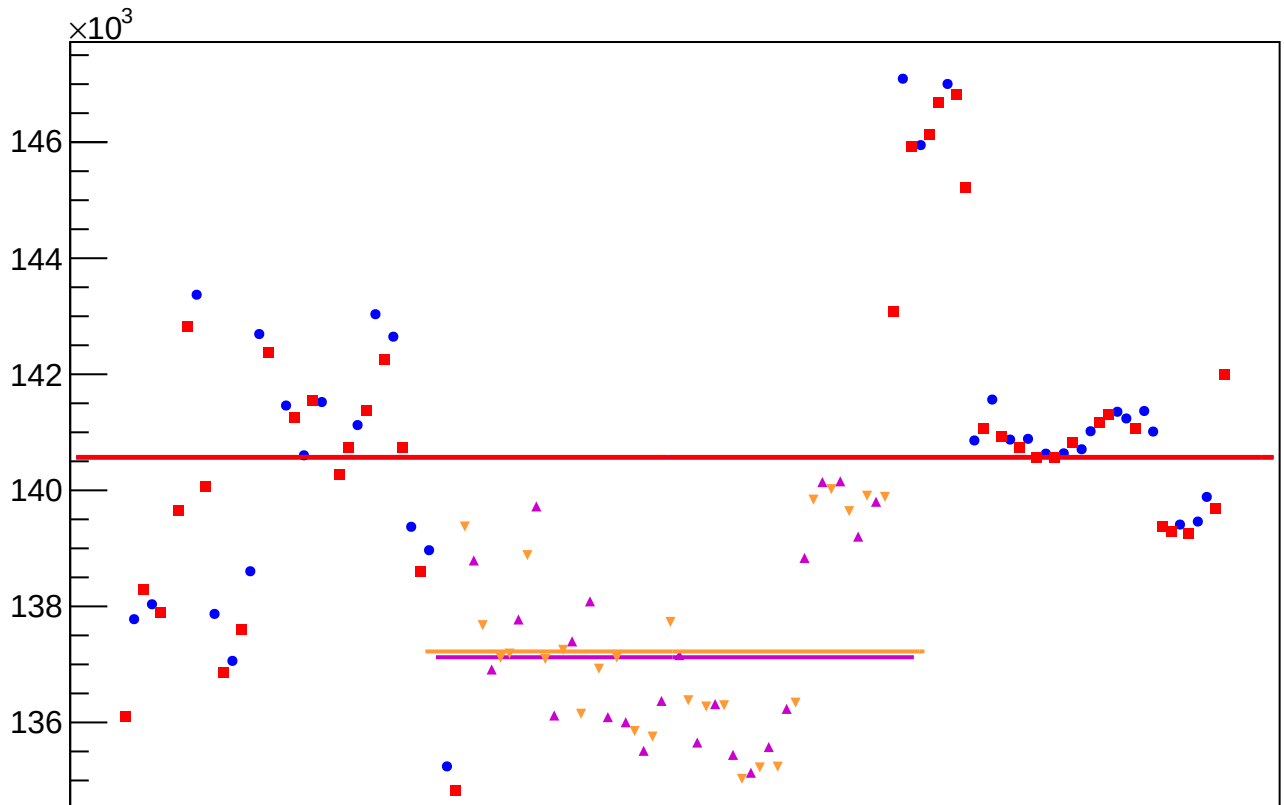
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 184.964+/-0.022 χ^2/NDF: 14535155.0/72

In: 199.179+/-0.024 χ^2/NDF:7978400.2/56

Out: 193.118+/-0.022 χ^2/NDF:8997995.6/63

All: 196.002+/-0.016 χ^2/NDF: 17010967.9/12



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

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

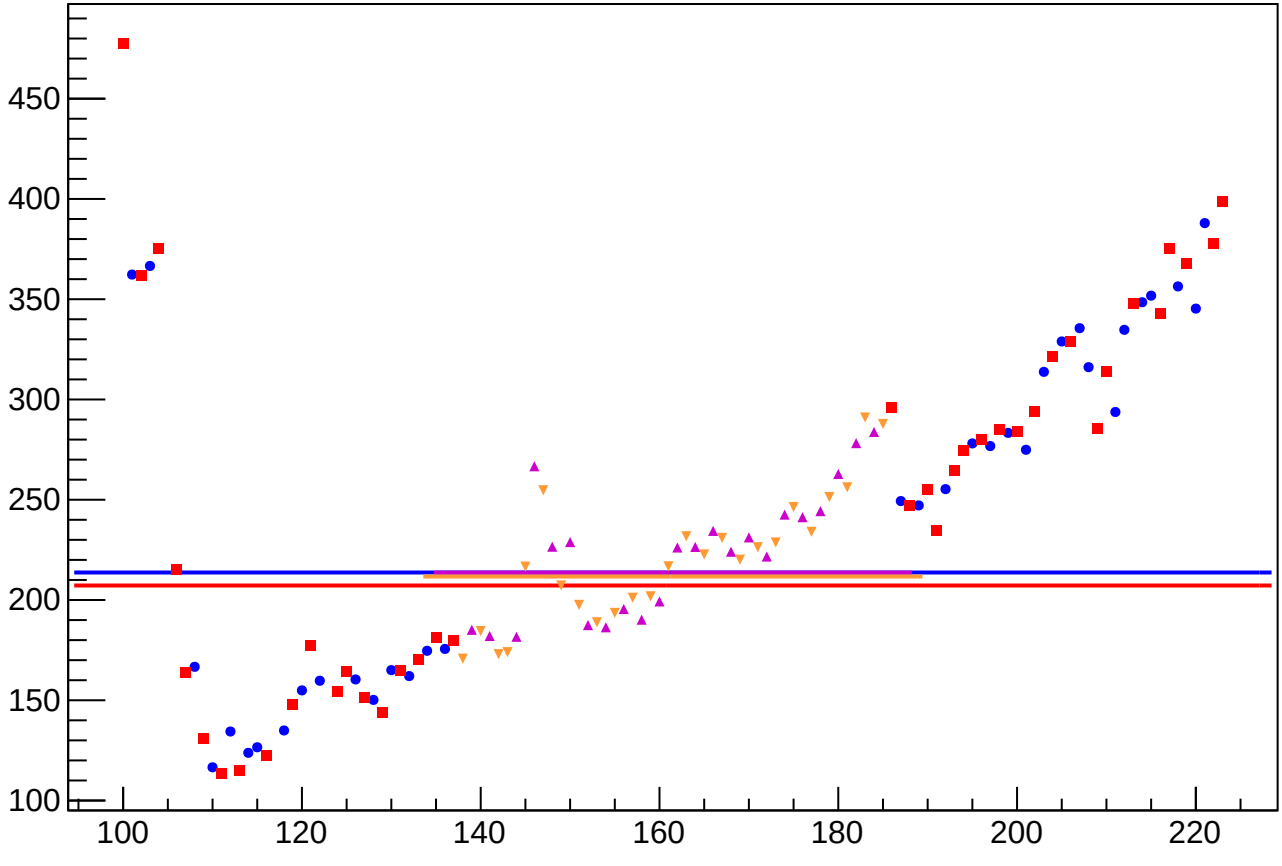
Right: 140570.290+/-0.034 χ^2/NDF: 6136899900.9/

In: 138897.240+/-0.035 χ^2/NDF:6060825751.7/56

Out: 138958.487+/-0.034 χ^2/NDF:6603587829.8/6

All: 138929.064+/-0.025 χ^2/NDF: 12665966

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



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

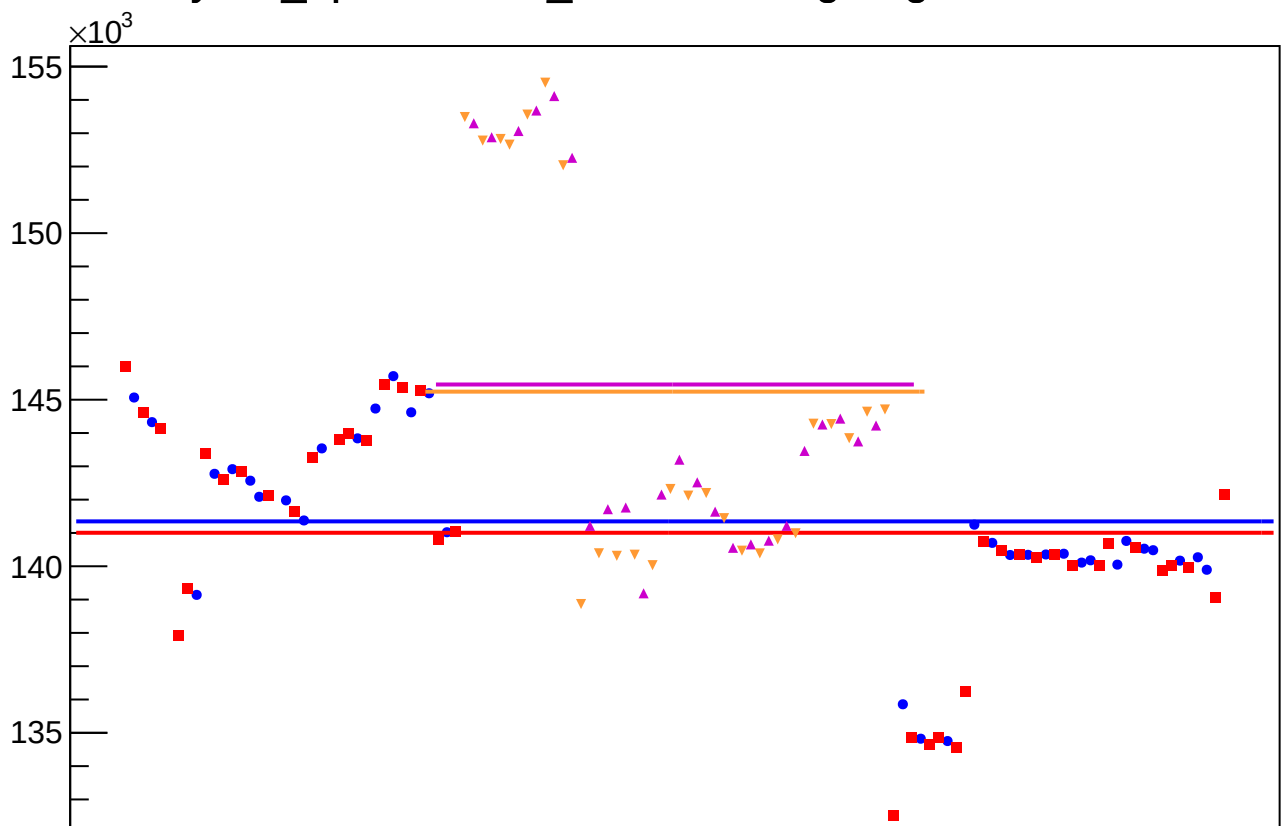
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 210.341+/-0.024 χ^2/NDF: 12052736.4/72

In: 213.681+/-0.025 χ^2/NDF:6283305.9/56

Out: 209.394+/-0.024 χ^2/NDF:7057007.9/63

All: 211.453+/-0.017 χ^2/NDF: 13355523.2/12



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

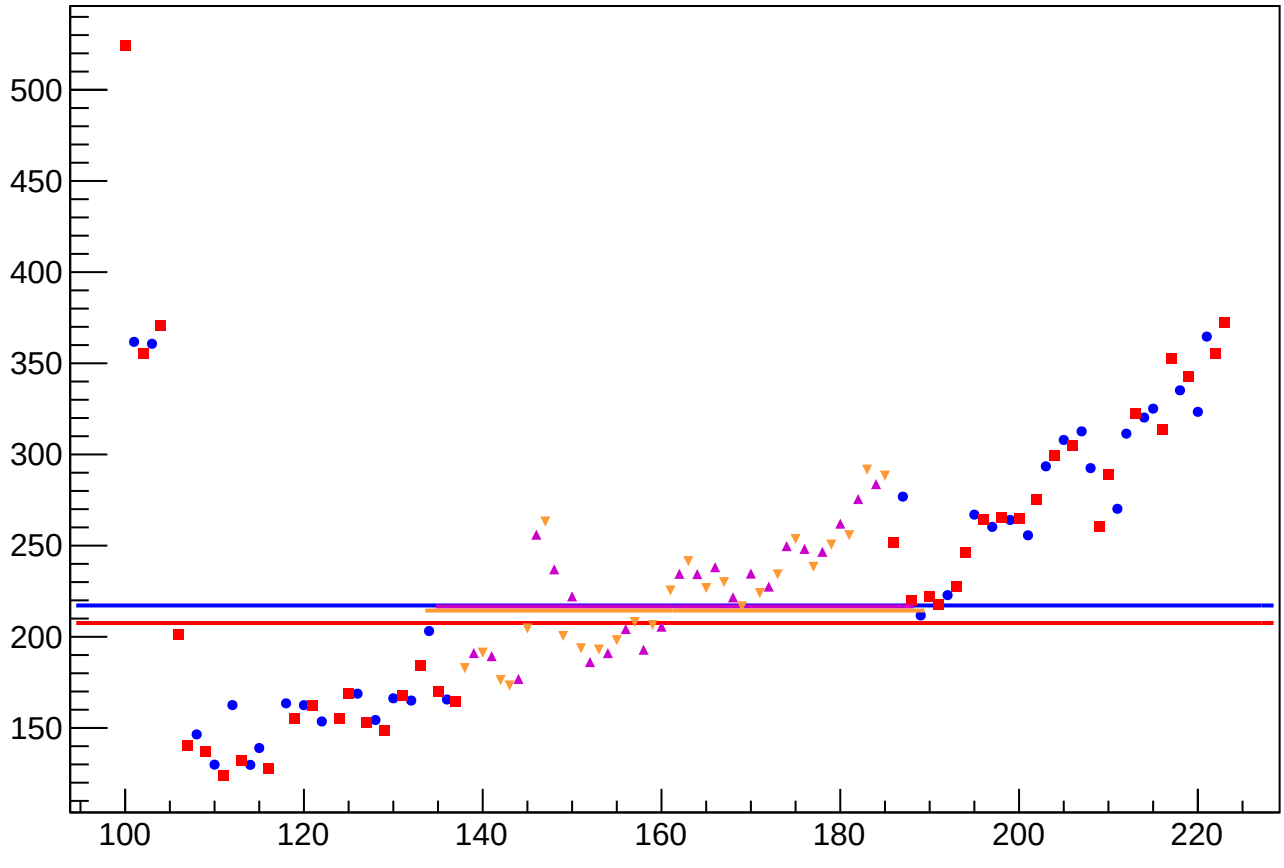
Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

Right: 141166.893+/-0.034 χ^2/NDF: 7393872648.5/

In: 143304.573+/-0.036 χ^2/NDF:17279443291.0/5

Out: 142987.468+/-0.034 χ^2/NDF:21399190273.0

All: 143138.468+/-0.025 χ^2/NDF: 38720203



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

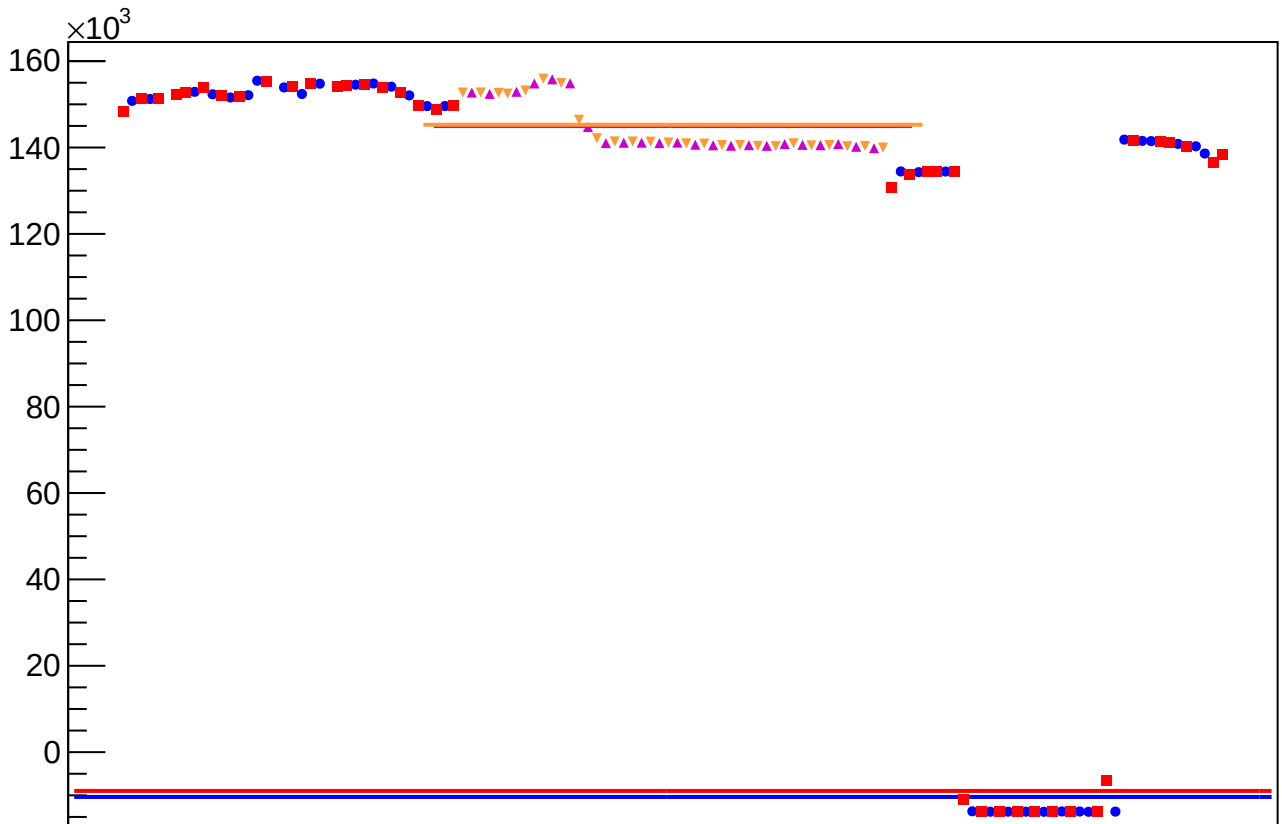
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 212.107+/-0.024 χ^2/NDF: 8960388.5/72

In: 216.930+/-0.025 χ^2/NDF:4725951.4/56

Out: 210.760+/-0.024 χ^2/NDF:5444896.2/63

All: 213.698+/-0.017 χ^2/NDF: 10202330.3/12



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

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

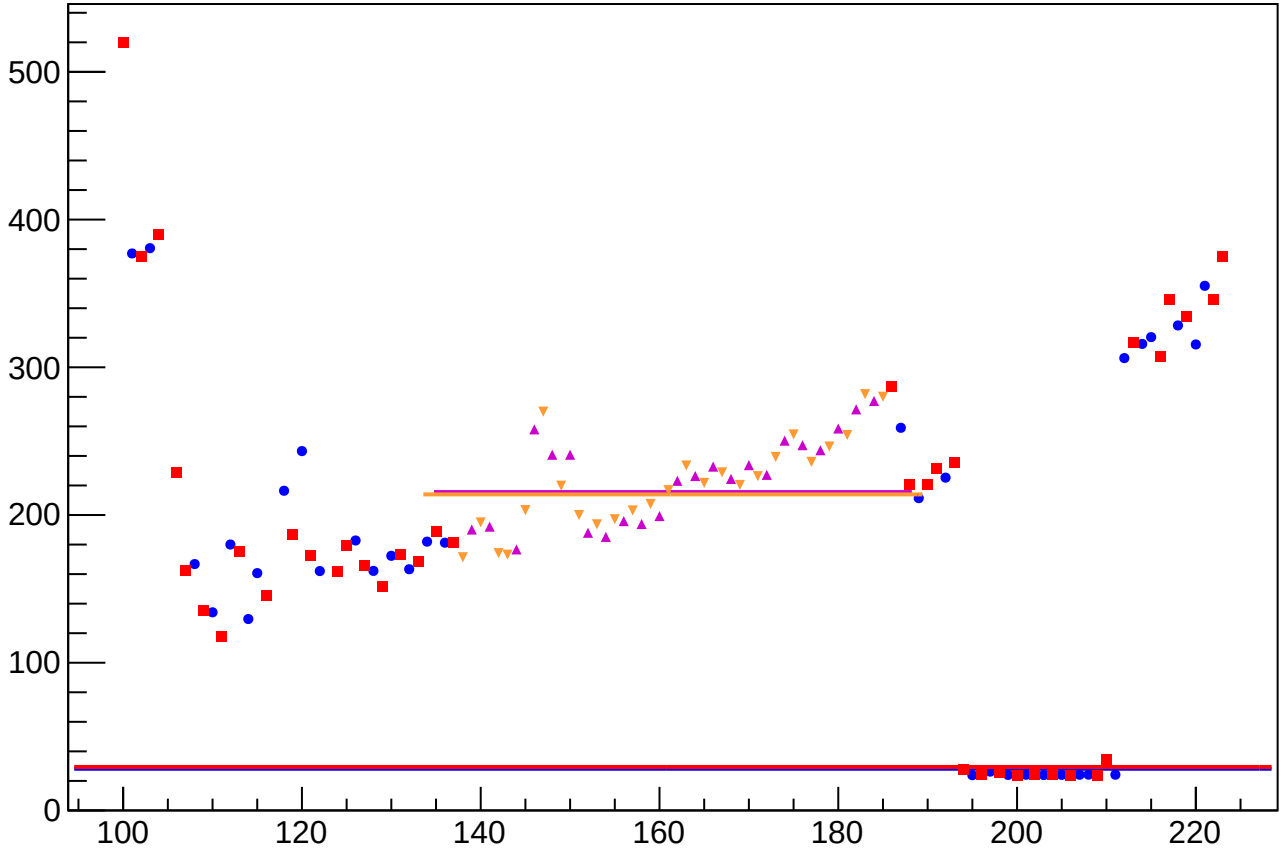
Right: -9727.840+/-0.006 χ^2/NDF: 1515516833205

In: -5988.915+/-0.009 χ^2/NDF:16013277246174.9

Out: -3621.434+/-0.009 χ^2/NDF:17516608150217

All: -4884.395+/-0.006 χ^2/NDF: 3356518050

yield_bpm0i07WS_rms vs Slug, Sign Corrected



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

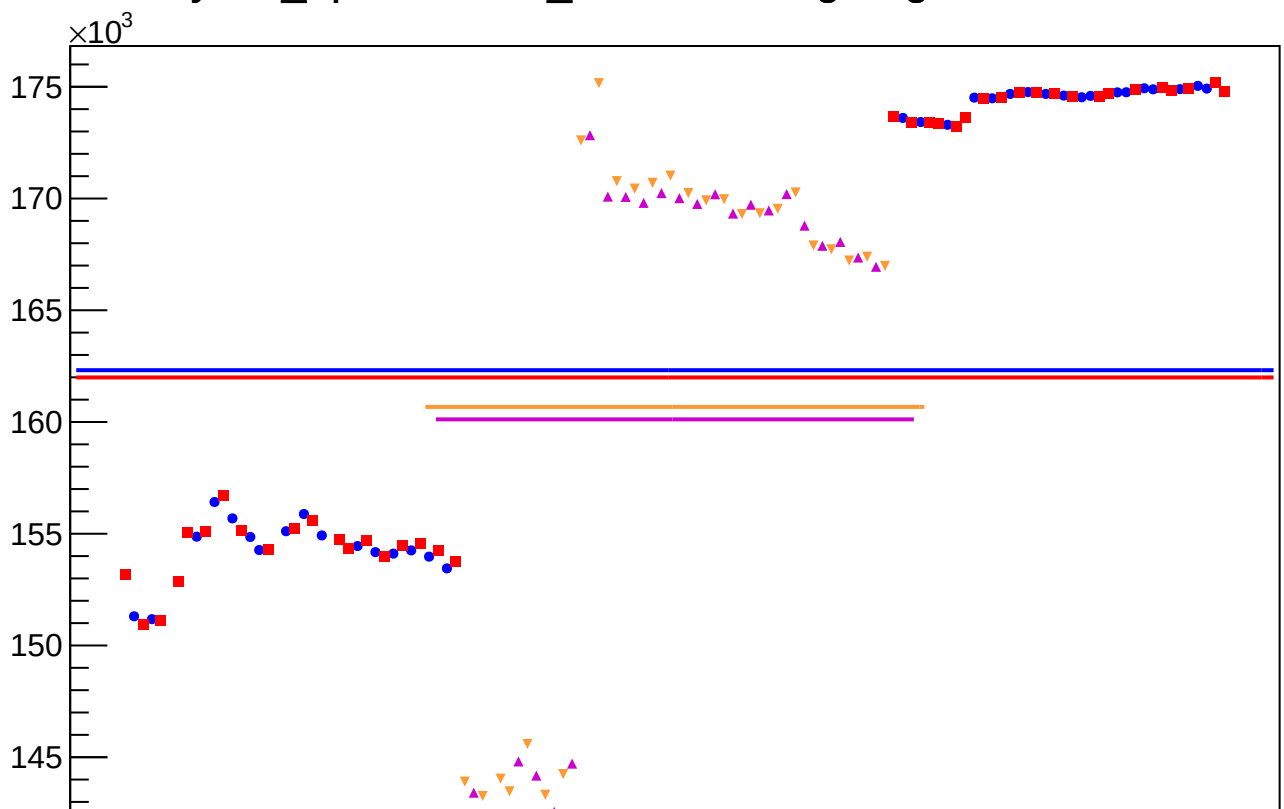
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.799+/-0.005 χ^2/NDF: 44055127.4/72

In: 33.528+/-0.006 χ^2/NDF:48261025.9/56

Out: 35.856+/-0.007 χ^2/NDF:49975970.2/63

All: 34.614+/-0.004 χ^2/NDF: 98305224.4/120



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

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

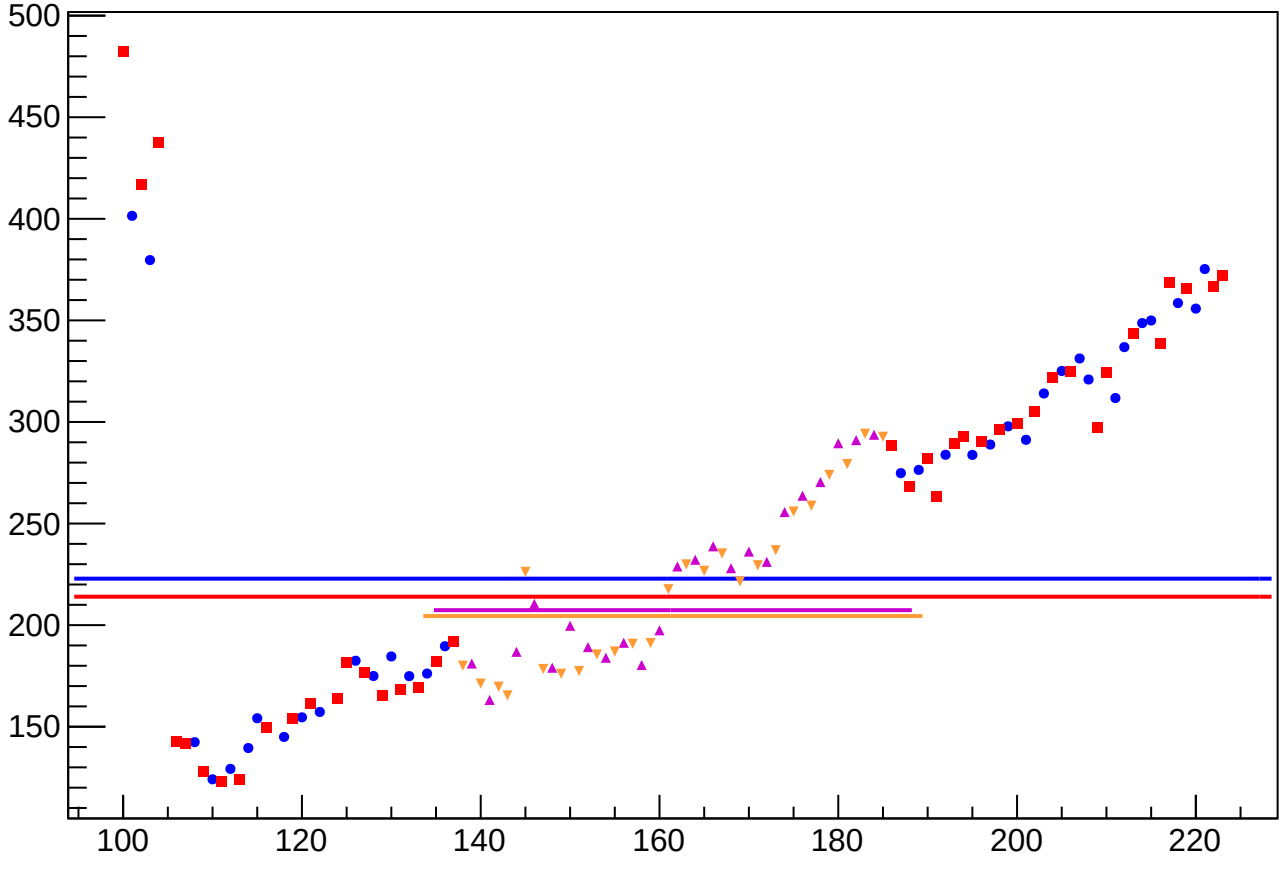
Right: 162147.174+/-0.035 χ^2/NDF: 73761436144.

In: 161178.479+/-0.036 χ^2/NDF:103134518906.1

Out: 161318.227+/-0.034 χ^2/NDF:112648705157.

All: 161251.645+/-0.025 χ^2/NDF: 215791315

yield_bpm1i02WS_rms vs Slug, Sign Corrected



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

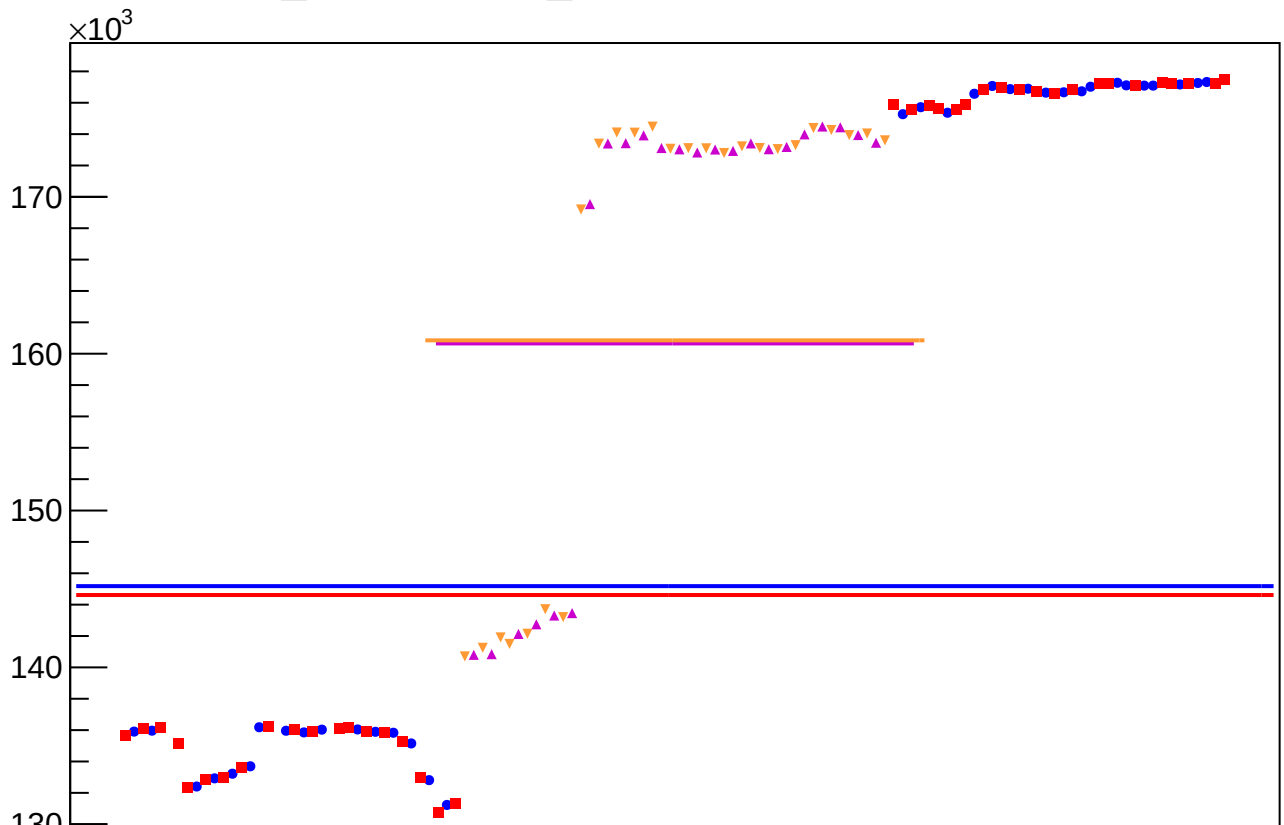
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 218.198+/-0.025 χ^2/NDF: 11720254.1/72

In: 214.846+/-0.025 χ^2/NDF:6502719.2/56

Out: 209.118+/-0.024 χ^2/NDF:7350016.1/63

All: 211.847+/-0.017 χ^2/NDF: 13879924.0/12



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

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

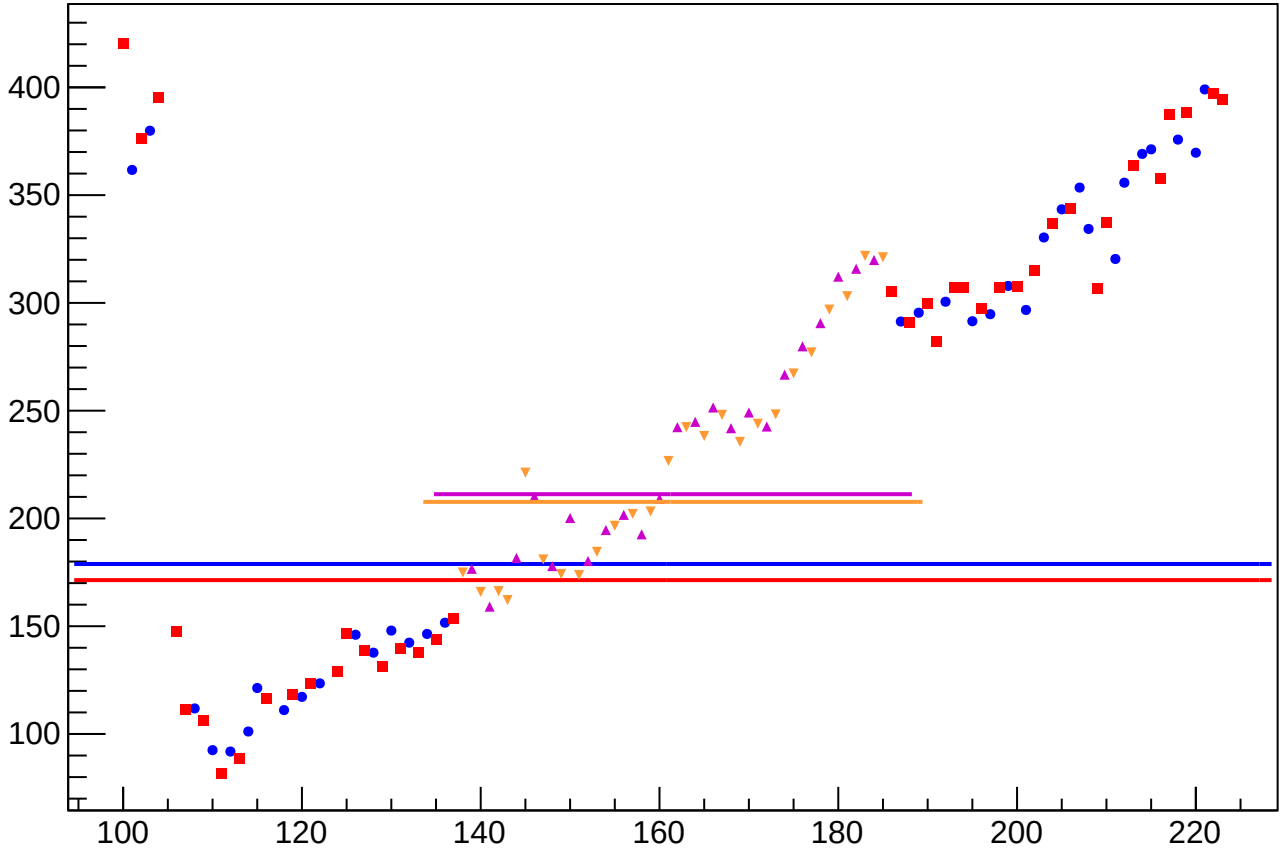
Right: 144882.877+/-0.030 χ^2/NDF: 373994347812

In: 151810.604+/-0.033 χ^2/NDF:324066524460.5

Out: 151521.689+/-0.032 χ^2/NDF:357212872738.

All: 151659.285+/-0.023 χ^2/NDF: 681319237

yield_bpm1i04WS_rms vs Slug, Sign Corrected



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

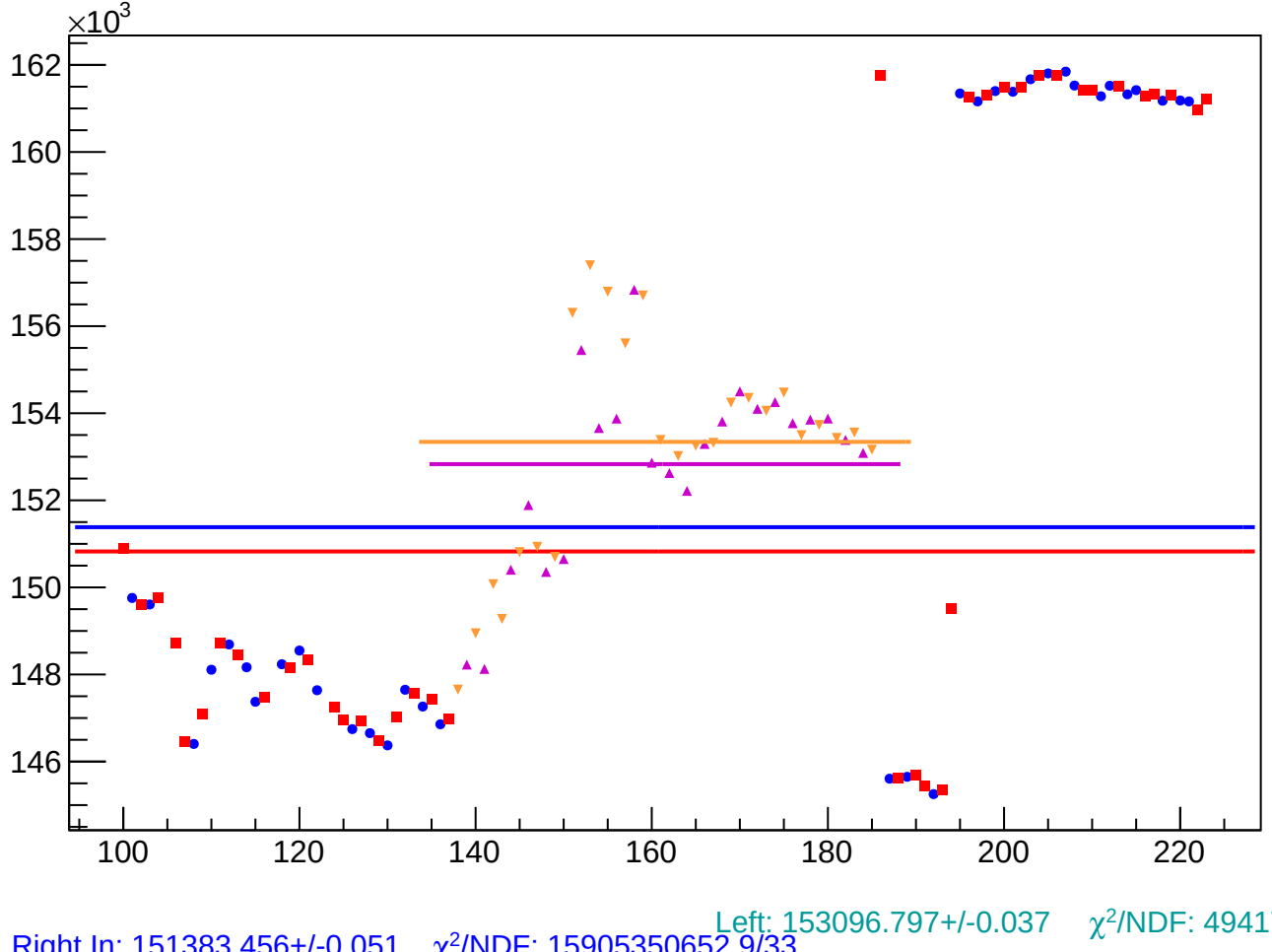
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 174.945+/-0.021 χ^2/NDF: 21093487.8/72

In: 192.747+/-0.023 χ^2/NDF:11800512.0/56

Out: 186.835+/-0.022 χ^2/NDF:13182311.1/63

All: 189.651+/-0.016 χ^2/NDF: 25016178.1/12



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

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

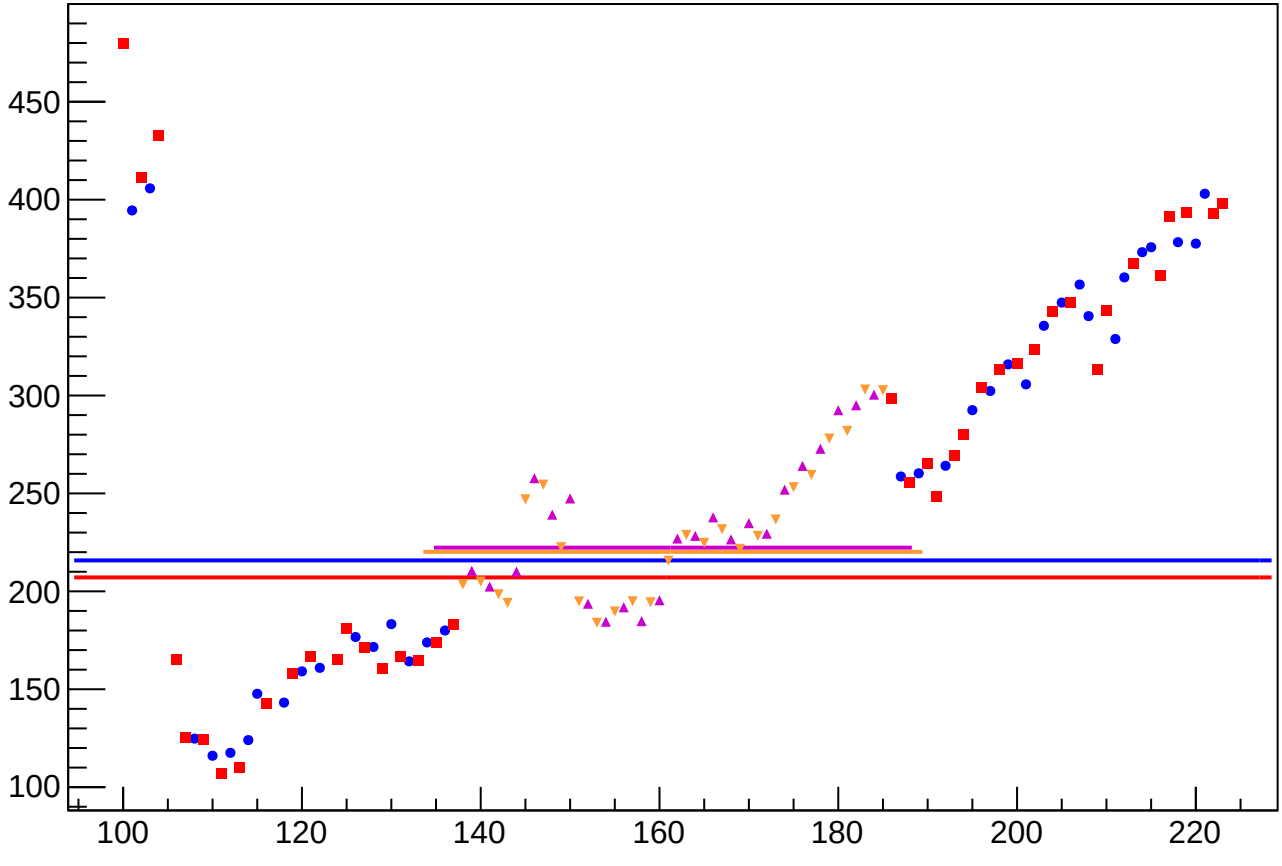
Right: 151089.507+/-0.035 χ^2/NDF: 31427972851.

In: 152075.575+/-0.037 χ^2/NDF:18212307524.5/5

Out: 152009.914+/-0.035 χ^2/NDF:19736778573.9

All: 152041.222+/-0.025 χ^2/NDF: 37950778

yield_bpm1i06WS_rms vs Slug, Sign Corrected



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

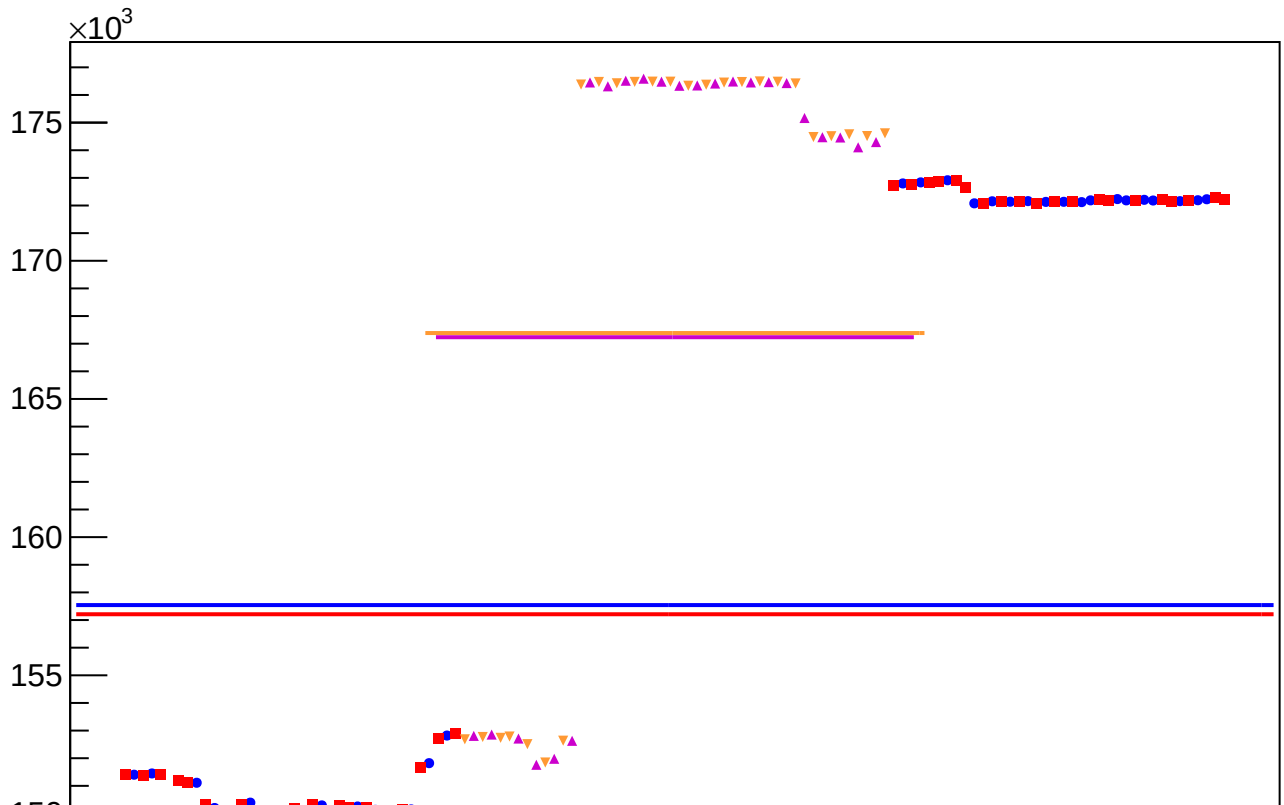
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 211.216+/-0.025 χ^2/NDF: 14481873.6/72

In: 218.905+/-0.026 χ^2/NDF:7592657.7/56

Out: 213.246+/-0.025 χ^2/NDF:8327042.2/63

All: 215.944+/-0.018 χ^2/NDF: 15944841.3/12



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

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

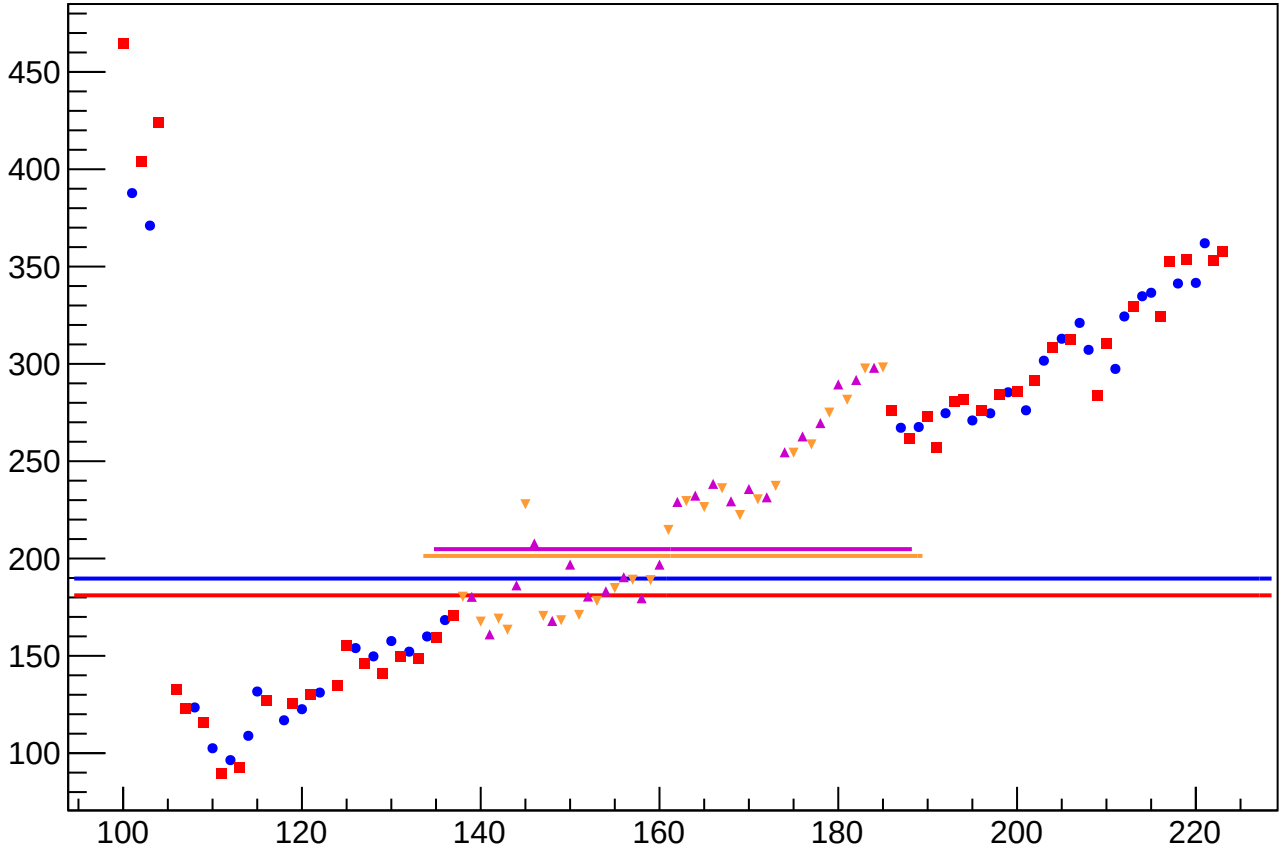
Right: 157366.010+/-0.031 χ^2/NDF: 106910362052

In: 161987.466+/-0.033 χ^2/NDF:127365740363.4

Out: 161815.125+/-0.031 χ^2/NDF:141466360293.0

All: 161896.868+/-0.023 χ^2/NDF: 26884635

yield_bpm2i01WS_rms vs Slug, Sign Corrected



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

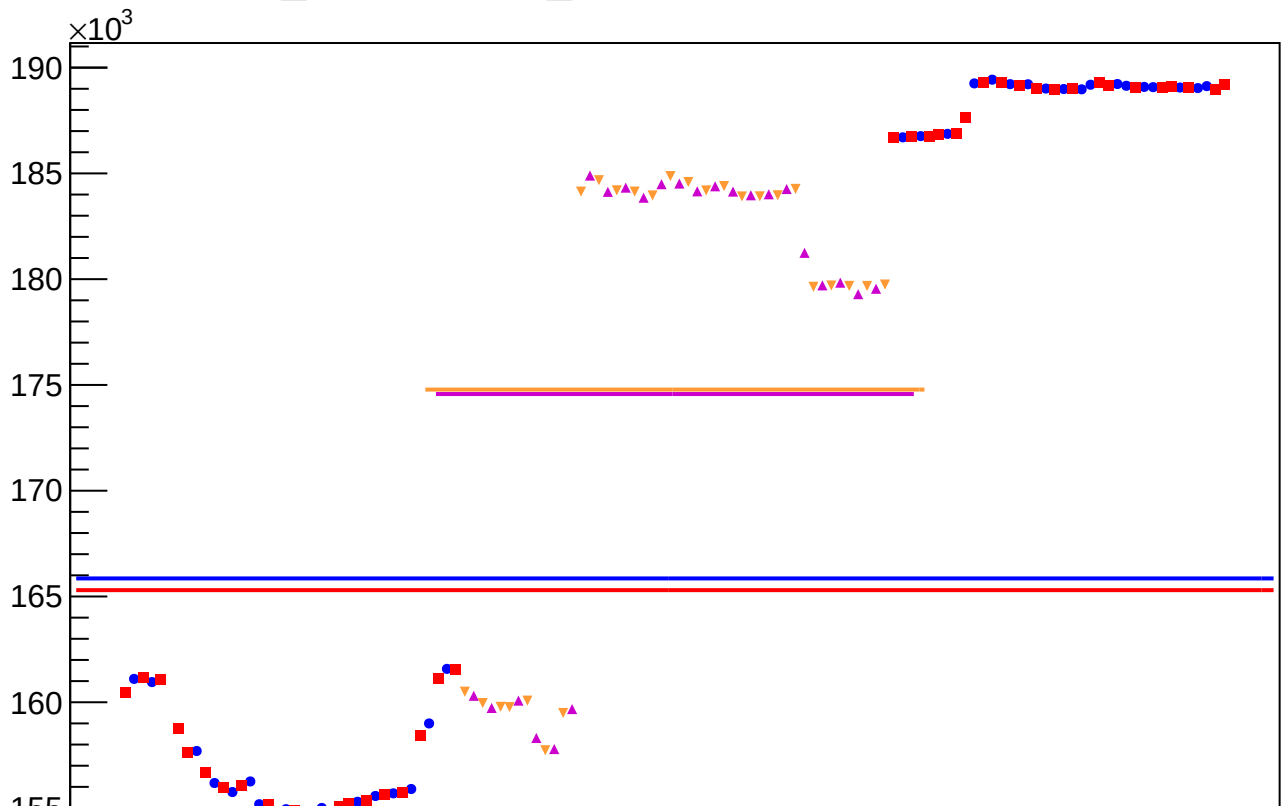
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 185.145+/-0.022 χ^2/NDF: 16454406.7/72

In: 196.641+/-0.023 χ^2/NDF:8872980.0/56

Out: 190.241+/-0.022 χ^2/NDF:10135574.0/63

All: 193.277+/-0.016 χ^2/NDF: 19047864.4/12



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

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

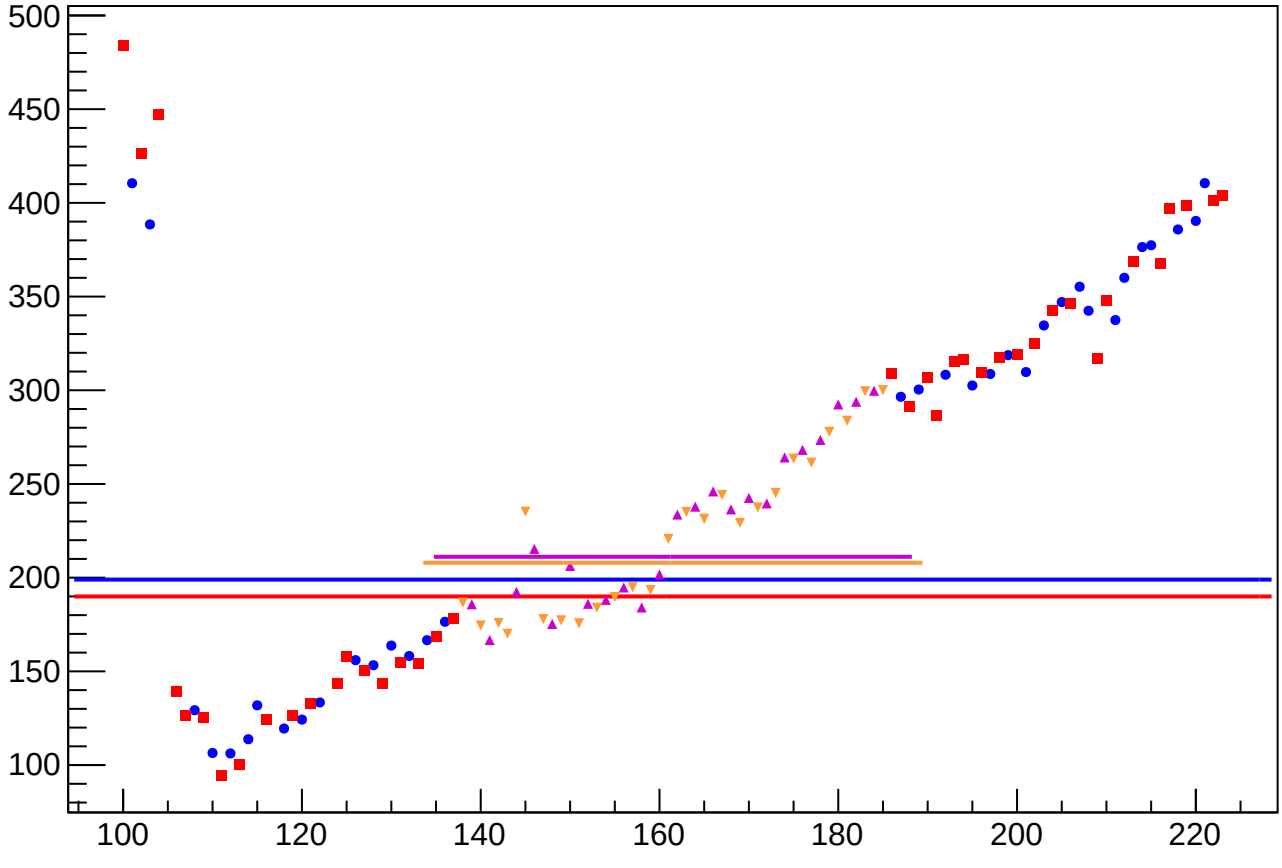
Right: 165560.602+/-0.033 χ^2/NDF: 196964110166

In: 169993.425+/-0.035 χ^2/NDF:165792395517.0

Out: 169736.386+/-0.033 χ^2/NDF:180317250215.

All: 169858.403+/-0.024 χ^2/NDF: 34613848

yield_bpm2i02WS_rms vs Slug, Sign Corrected



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

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

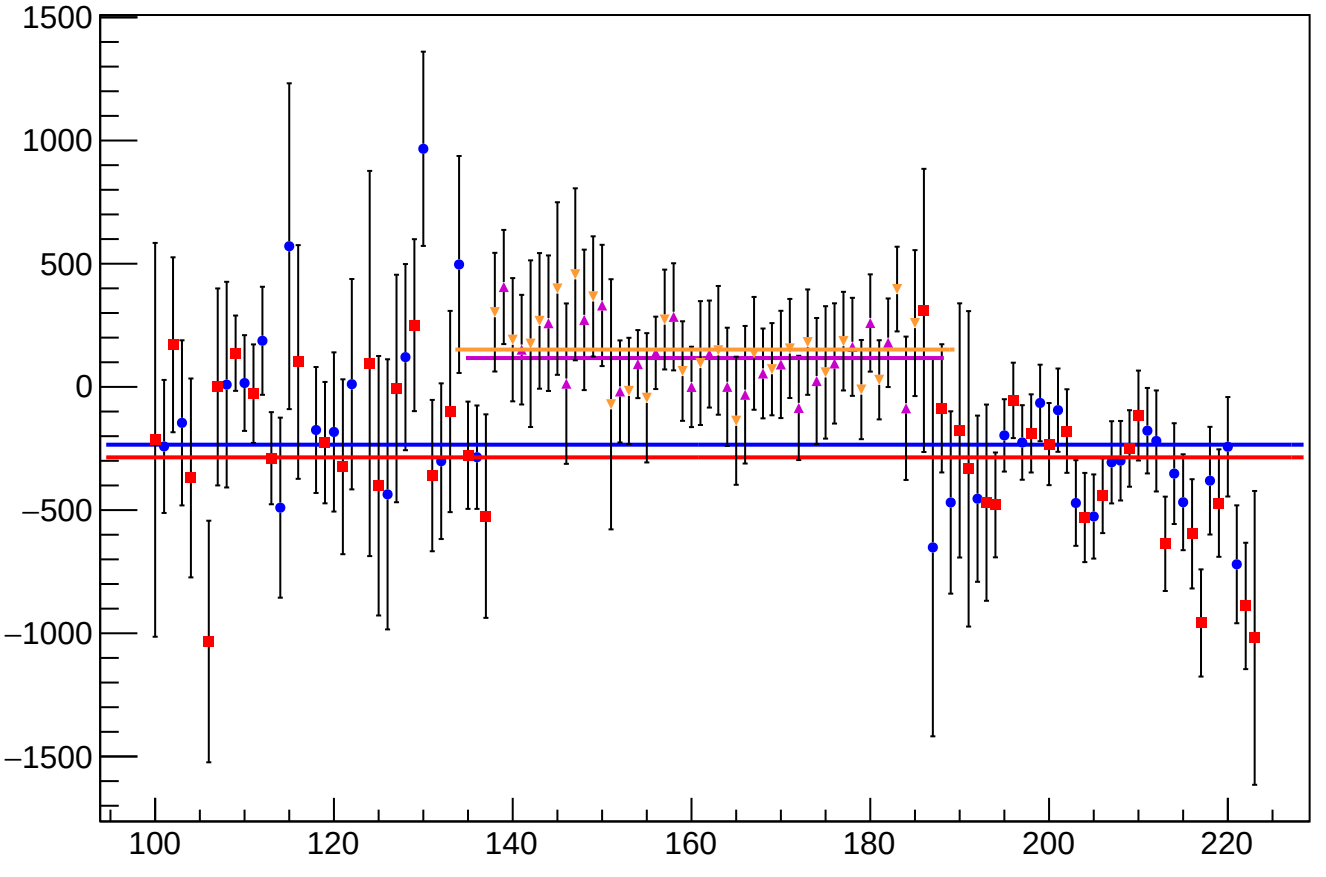
Right: 194.208+/-0.023 χ^2/NDF: 18483517.1/72

In: 204.750+/-0.025 χ^2/NDF:9785900.8/56

Out: 198.372+/-0.023 χ^2/NDF:10995288.1/63

All: 201.400+/-0.017 χ^2/NDF: 20816708.5/12

asym_bcm_target_mean vs Slug, Sign Corrected



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

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

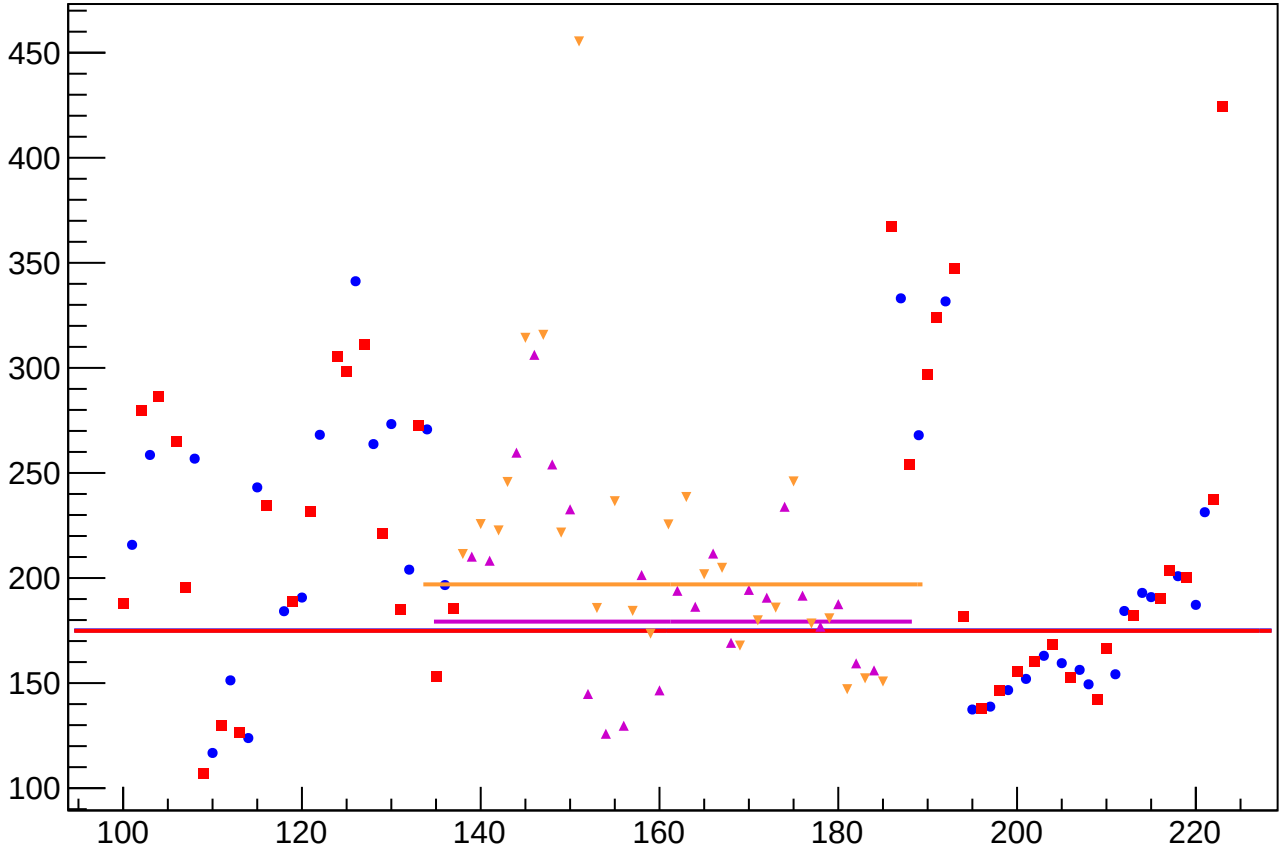
Right: -260.330+/-27.333 χ^2/NDF: 87.4/72

In: -80.121+/-29.007 χ^2/NDF:79.6/56

Out: -107.179+/-29.671 χ^2/NDF:112.7/63

All: -93.344+/-20.742 χ^2/NDF: 192.7/120

asym_bcm_target_rms vs Slug, Sign Corrected



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

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

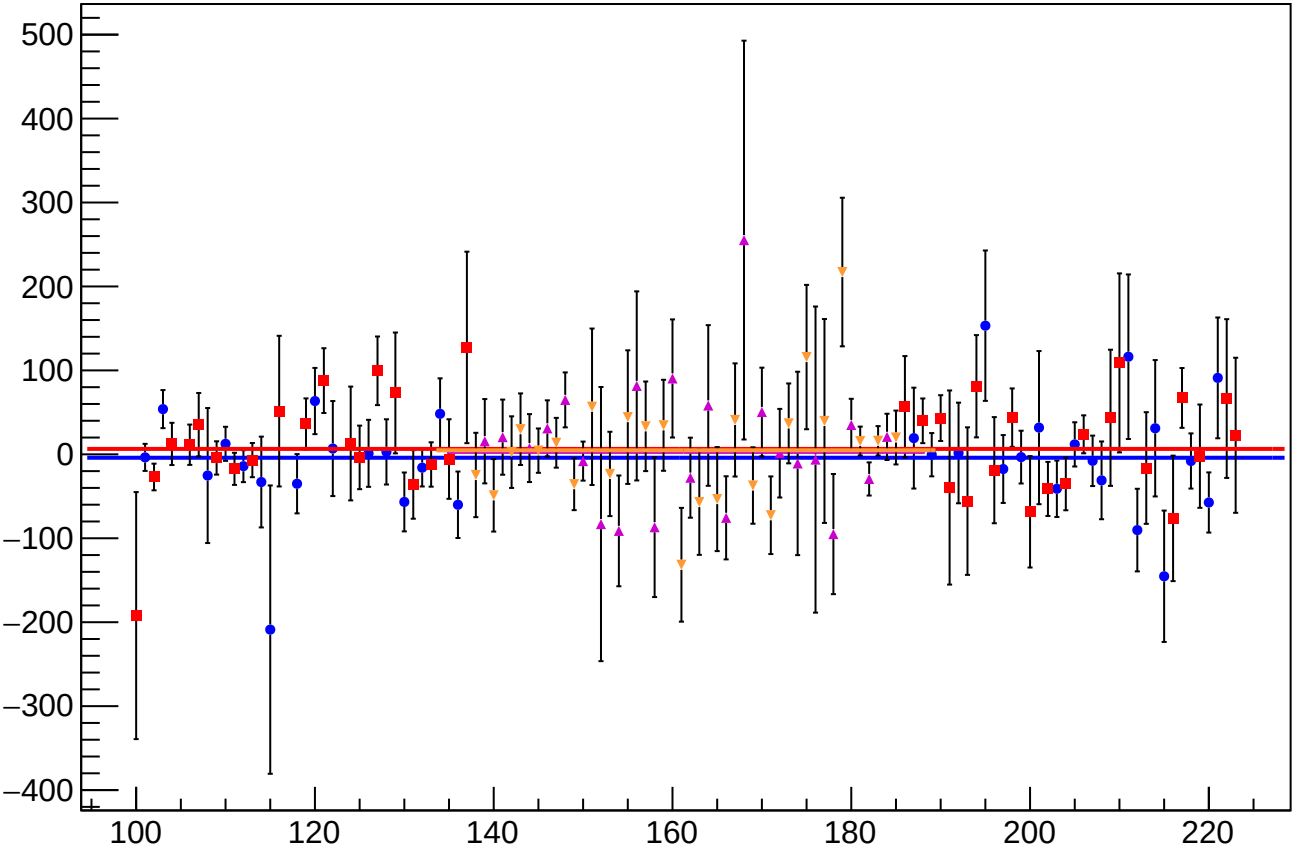
Right: 174.959+/-0.019 χ^2/NDF: 6012431.0/72

In: 176.902+/-0.021 χ^2/NDF:4131453.9/56

Out: 183.896+/-0.021 χ^2/NDF:5625072.4/63

All: 180.320+/-0.015 χ^2/NDF: 9813348.2/120

asym_bcm_an_diff_mean vs Slug, Sign Corrected



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

Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

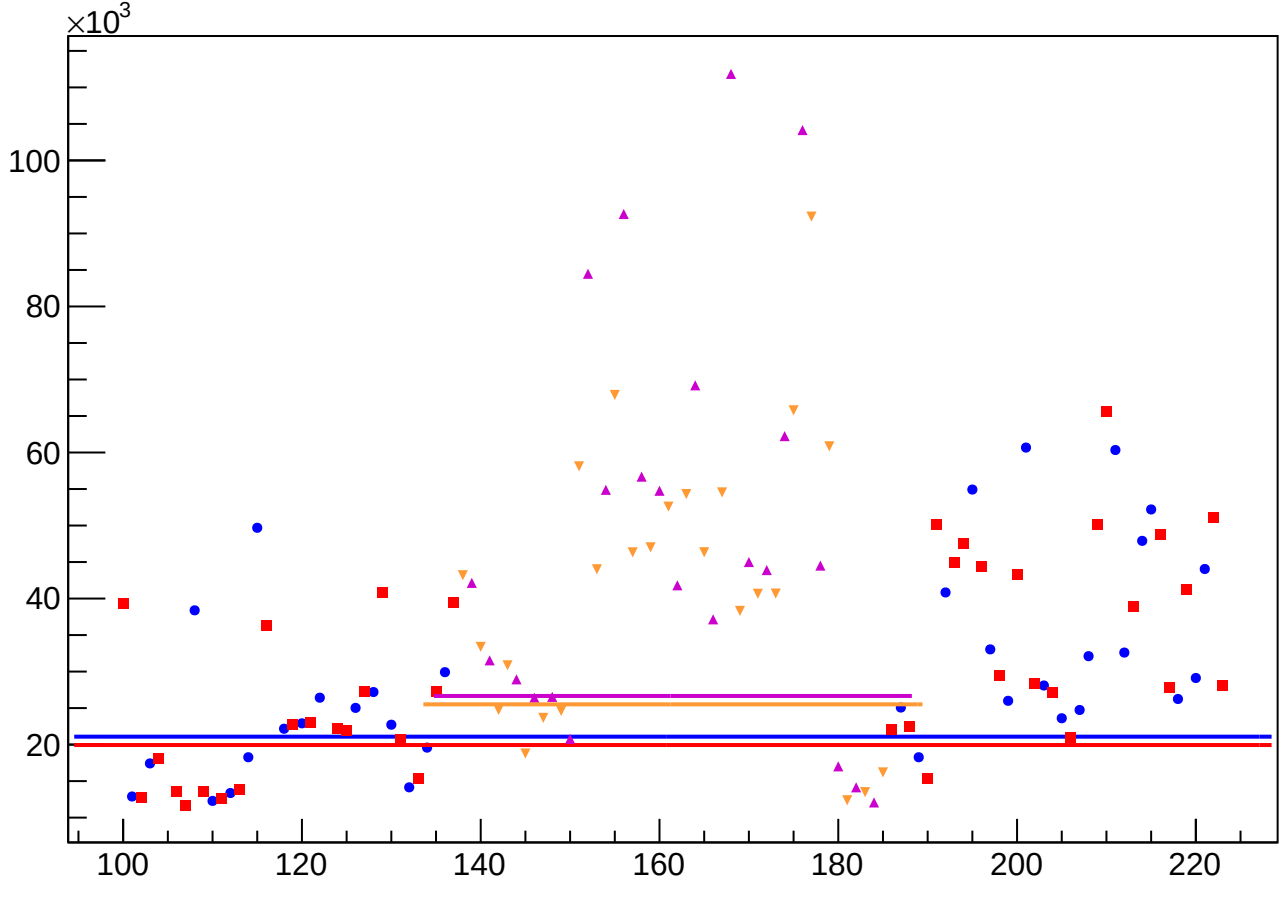
Right: 1.491+/-4.028 χ^2/NDF: 81.2/72

In: -1.934+/-4.884 χ^2/NDF:58.5/56

Out: 5.890+/-4.480 χ^2/NDF:67.3/63

All: 2.315+/-3.302 χ^2/NDF: 127.2/120

asym_bcm_an_diff_rms vs Slug, Sign Corrected



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

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

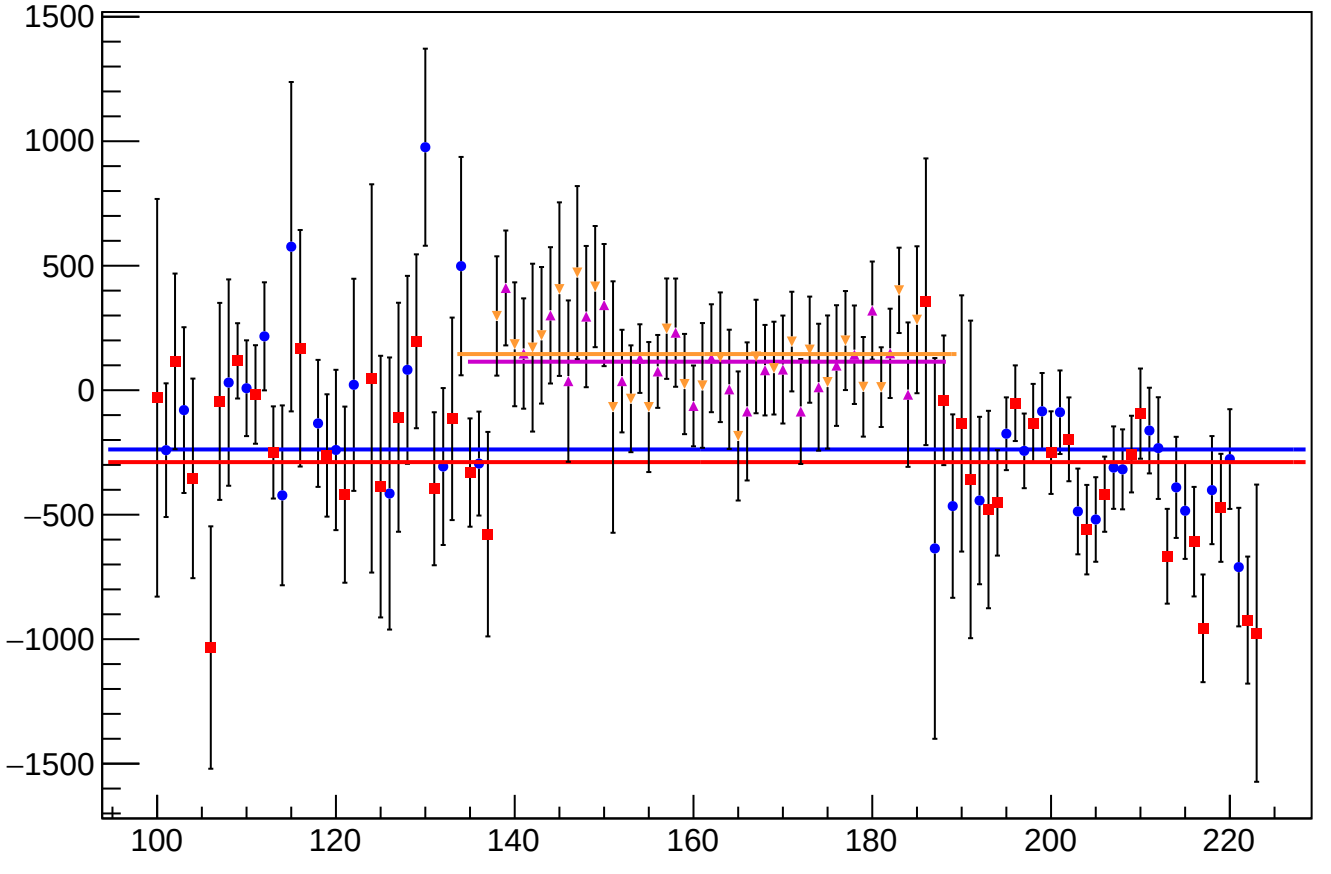
Right: 20481.846+/-2.848 χ^2/NDF: 9833361.6/72

In: 22788.138+/-3.454 χ^2/NDF:10955090.0/56

Out: 21876.508+/-3.168 χ^2/NDF:13717591.2/63

All: 22293.068+/-2.335 χ^2/NDF: 24710514.7

asym_bcm_an_ds_mean vs Slug, Sign Corrected



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

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

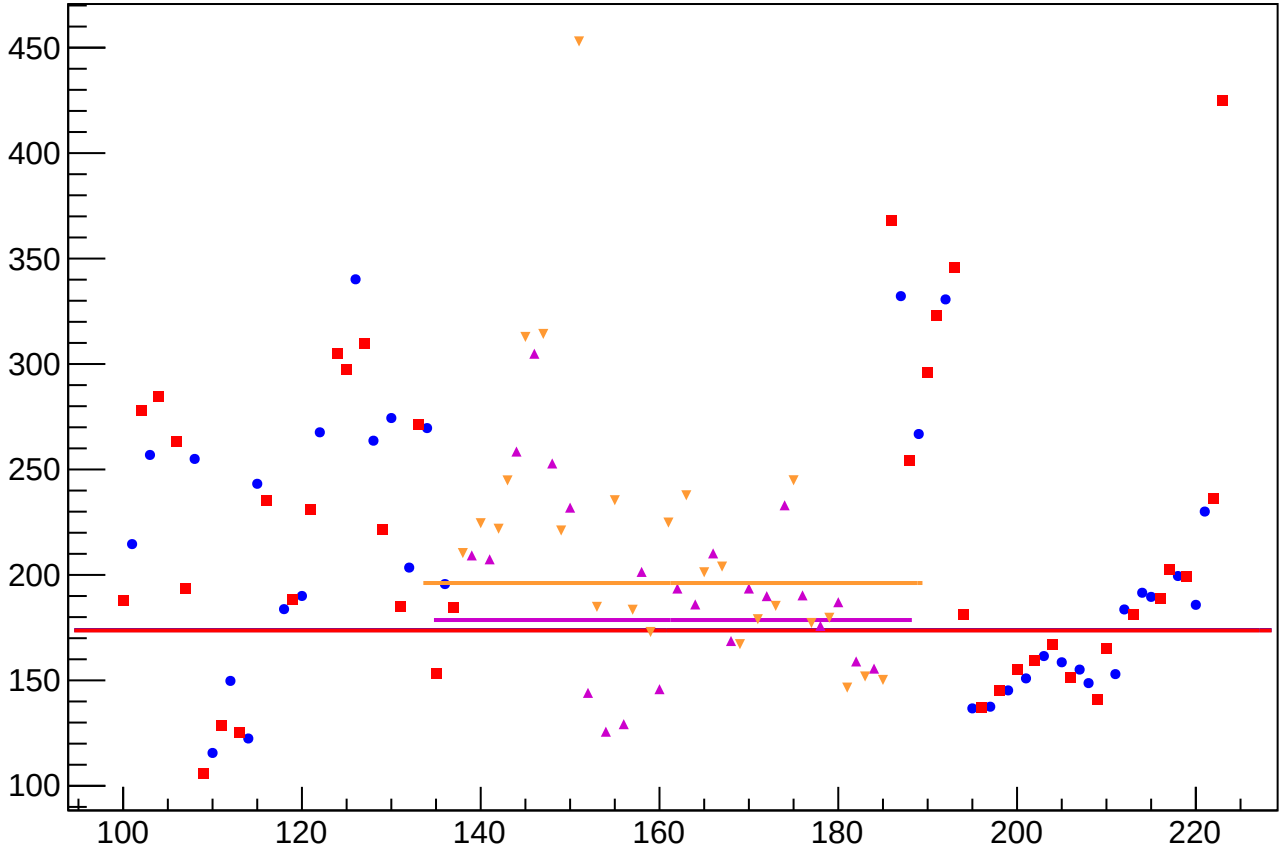
Right: -263.489+/-27.158 χ^2/NDF: 90.6/72

In: -83.789+/-28.854 χ^2/NDF:82.4/56

Out: -111.943+/-29.510 χ^2/NDF:115.8/63

All: -97.550+/-20.631 χ^2/NDF: 198.7/120

asym_bcm_an_ds_rms vs Slug, Sign Corrected



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

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

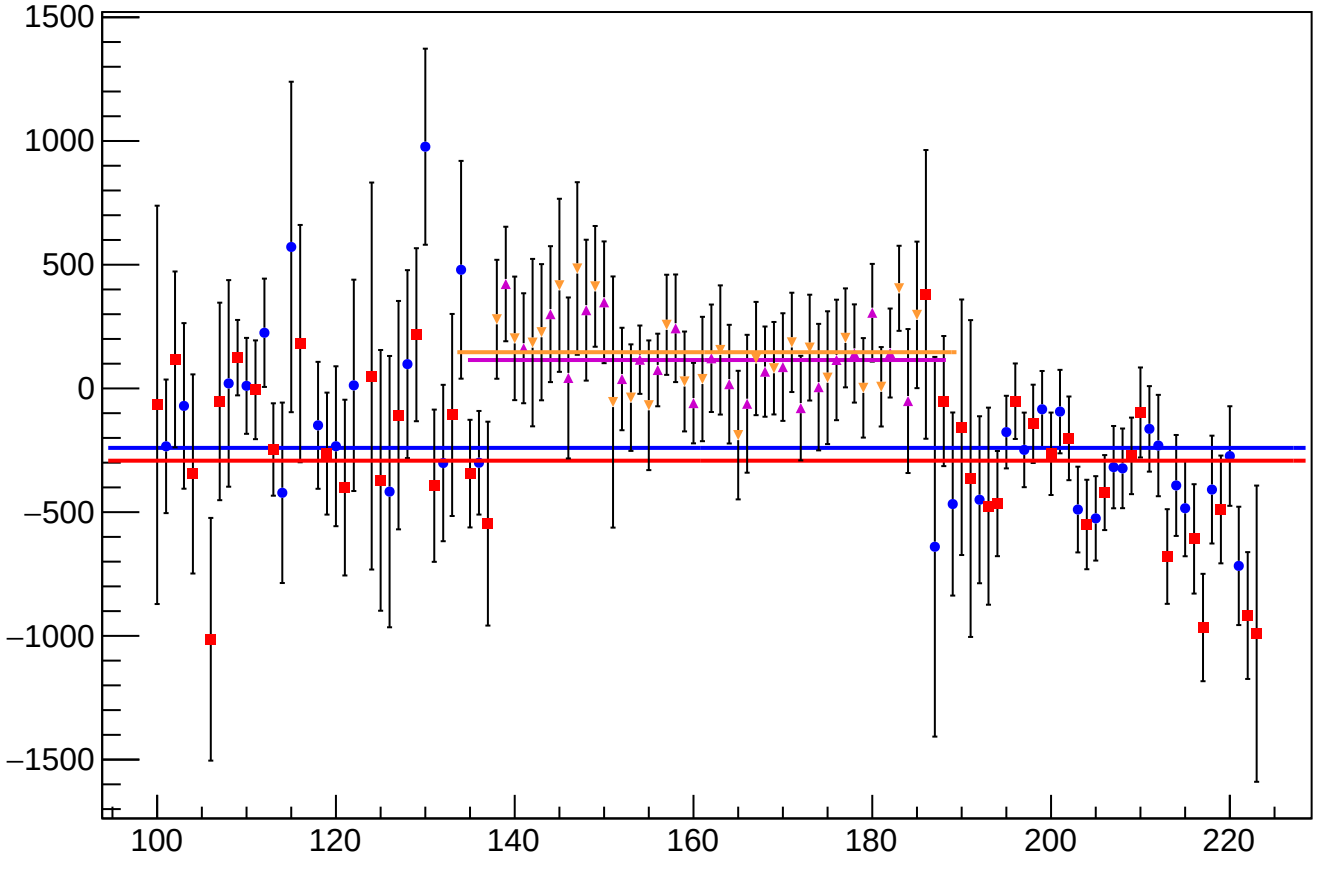
Right: 173.759+/-0.019 χ^2/NDF: 6087799.2/72

In: 175.933+/-0.020 χ^2/NDF:4161351.3/56

Out: 182.842+/-0.021 χ^2/NDF:5679140.8/63

All: 179.310+/-0.015 χ^2/NDF: 9896530.5/120

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



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

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

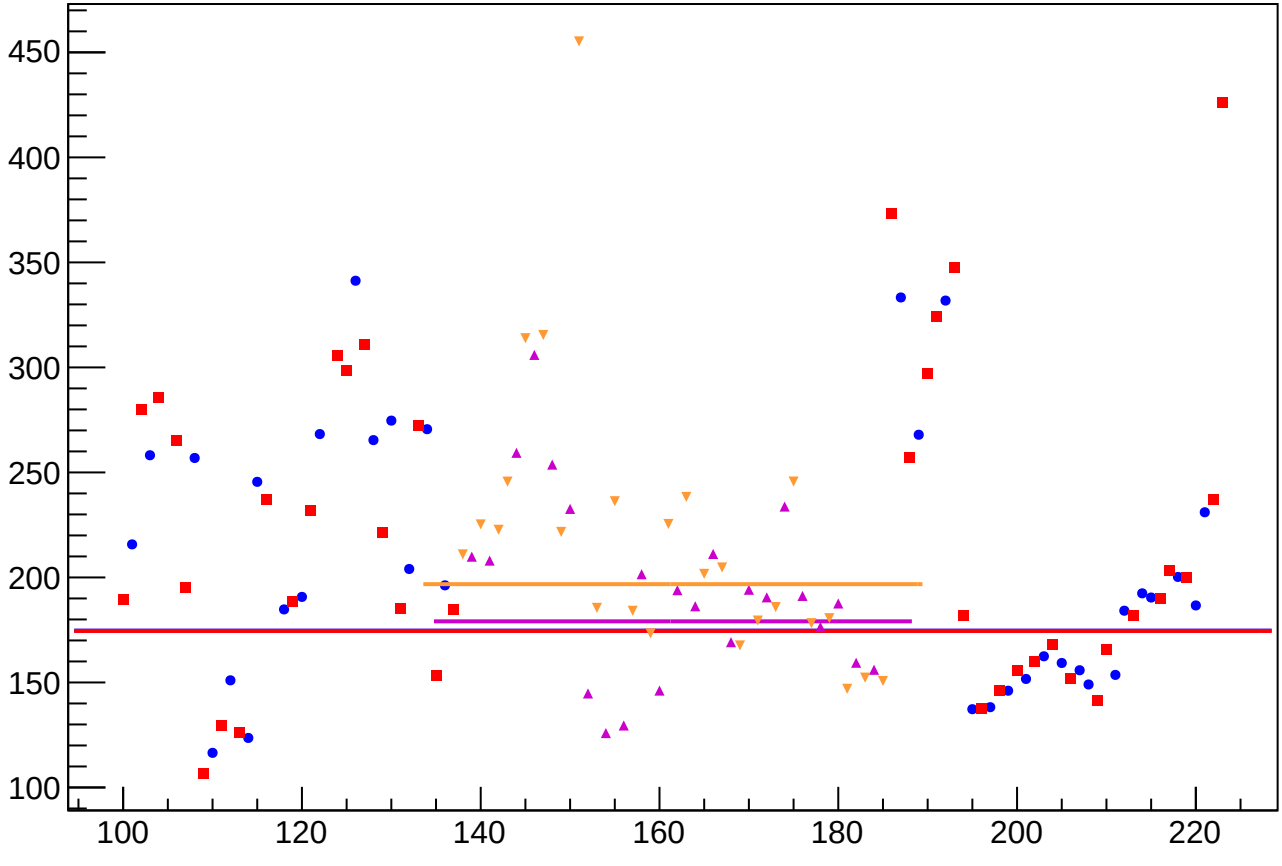
Right: -266.227+/-27.288 χ^2/NDF: 90.9/72

In: -84.573+/-28.965 χ^2/NDF:82.9/56

Out: -112.983+/-29.636 χ^2/NDF:116.8/63

All: -98.452+/-20.715 χ^2/NDF: 200.2/120

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



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

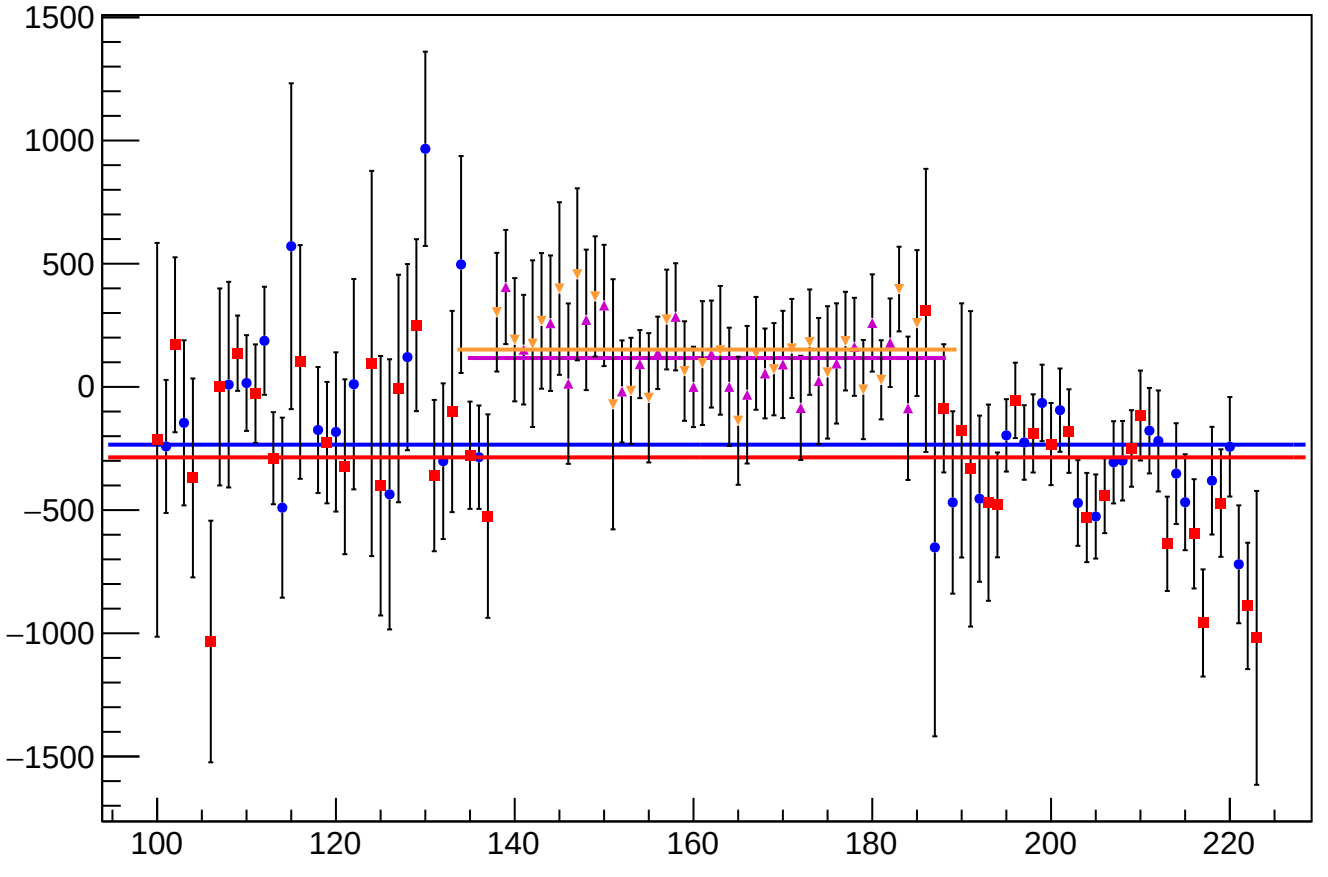
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 174.607+/-0.019 χ^2/NDF: 6073673.4/72

In: 176.615+/-0.020 χ^2/NDF:4154468.4/56

Out: 183.632+/-0.021 χ^2/NDF:5667891.0/63

All: 180.043+/-0.015 χ^2/NDF: 9879704.7/120



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

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

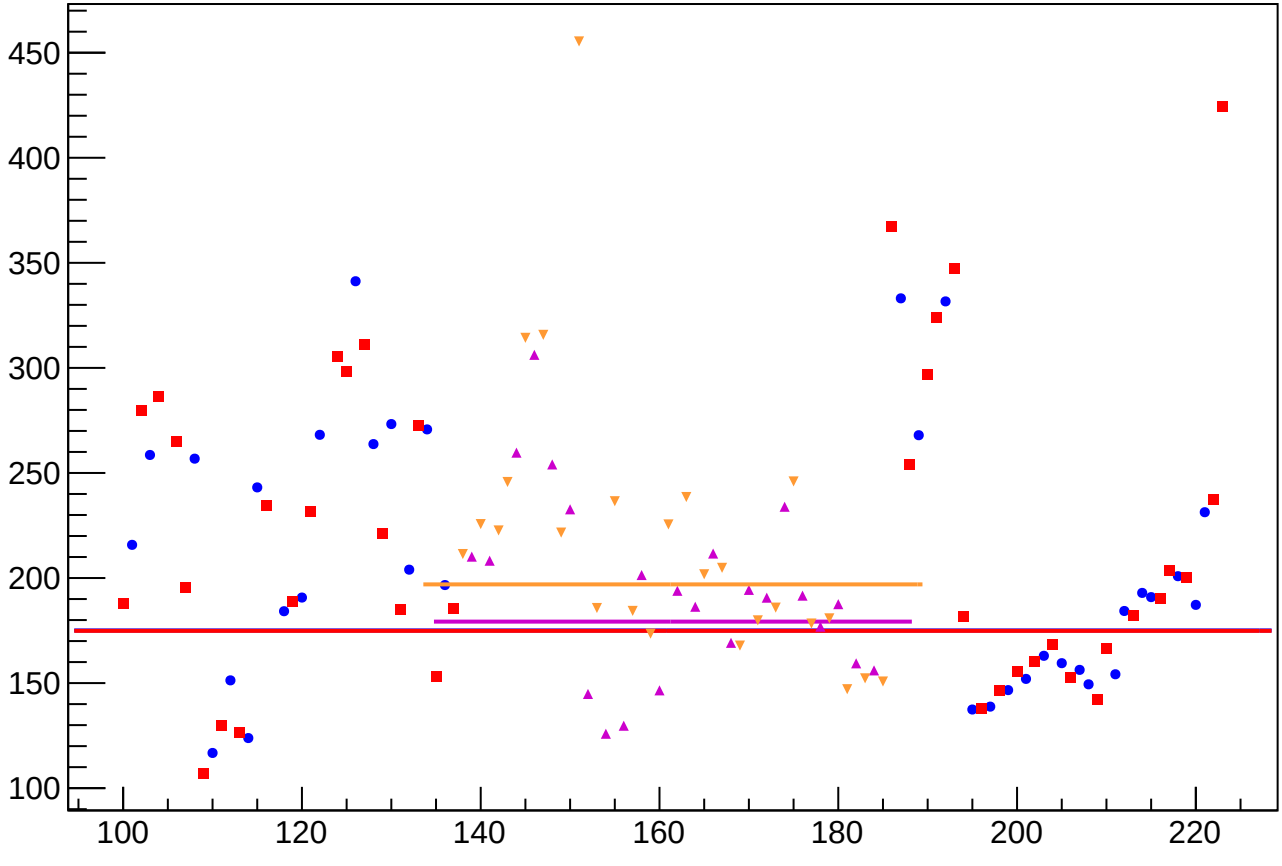
Right: -260.330+/-27.333 χ^2/NDF: 87.4/72

In: -80.121+/-29.007 χ^2/NDF:79.6/56

Out: -107.179+/-29.671 χ^2/NDF:112.7/63

All: -93.344+/-20.742 χ^2/NDF: 192.7/120

asym_bcm_an_us_rms vs Slug, Sign Corrected



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

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

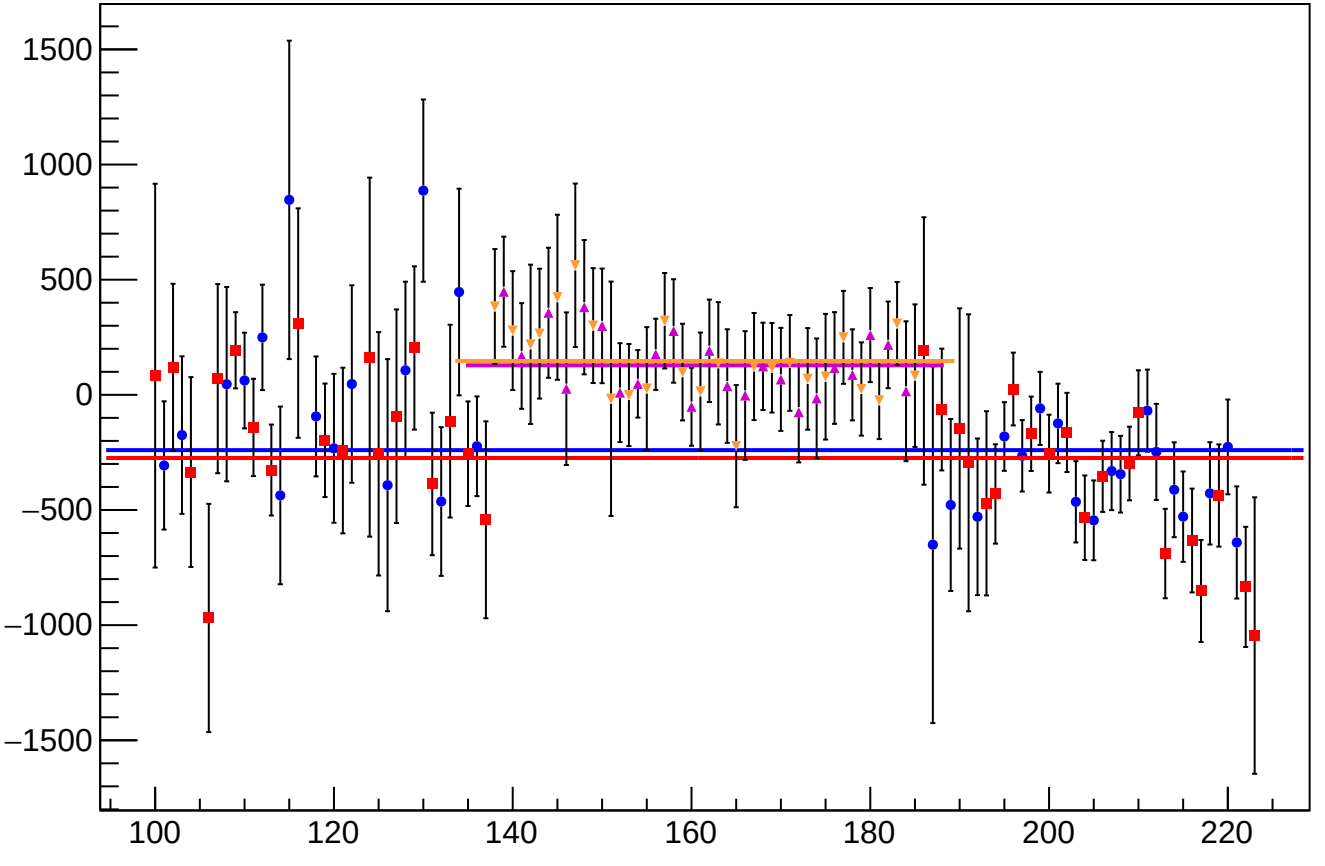
Right: 174.959+/-0.019 χ^2/NDF: 6012431.0/72

In: 176.902+/-0.021 χ^2/NDF:4131453.9/56

Out: 183.896+/-0.021 χ^2/NDF:5625072.4/63

All: 180.320+/-0.015 χ^2/NDF: 9813348.2/120

asym_bcm_dg_us_mean vs Slug, Sign Corrected



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

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

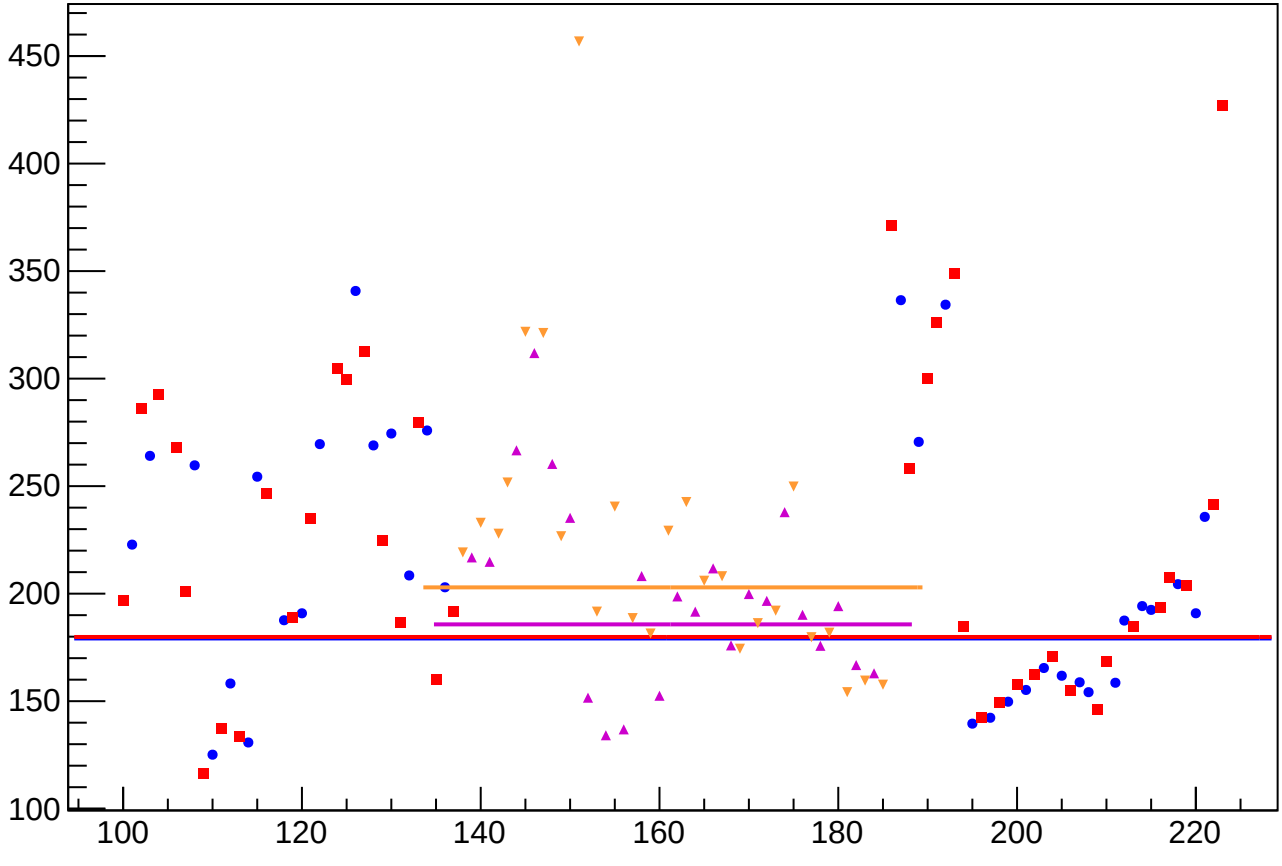
Right: -257.180+/-27.971 χ^2/NDF: 86.5/72

In: -80.297+/-29.773 χ^2/NDF:84.7/56

Out: -102.724+/-30.445 χ^2/NDF:104.0/63

All: -91.260+/-21.287 χ^2/NDF: 188.9/120

asym_bcm_dg_us_rms vs Slug, Sign Corrected



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

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

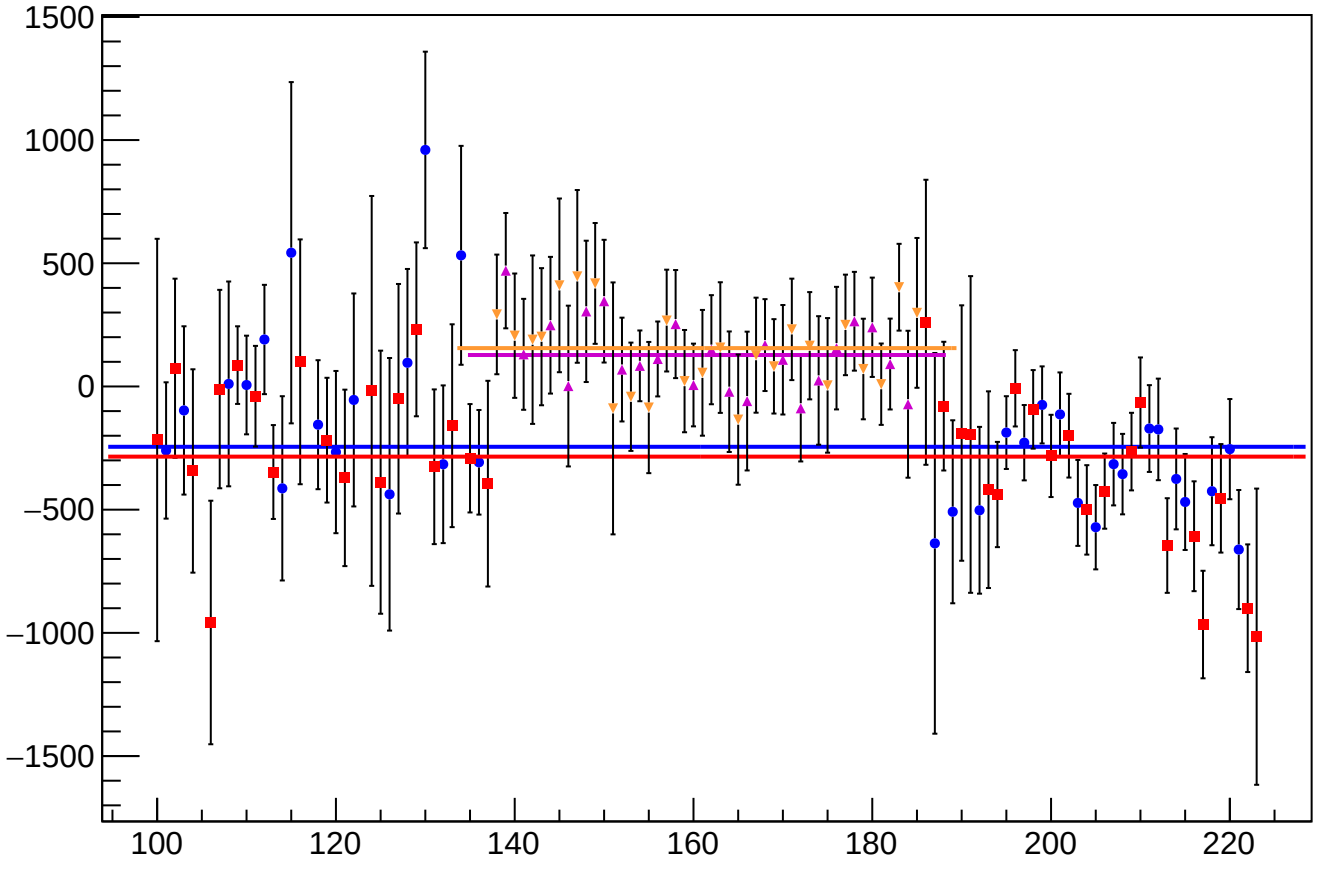
Right: 179.513+/-0.020 χ^2/NDF: 5664077.9/72

In: 182.011+/-0.021 χ^2/NDF:3868332.0/56

Out: 189.247+/-0.022 χ^2/NDF:5285913.2/63

All: 185.548+/-0.015 χ^2/NDF: 9212002.5/120

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



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

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

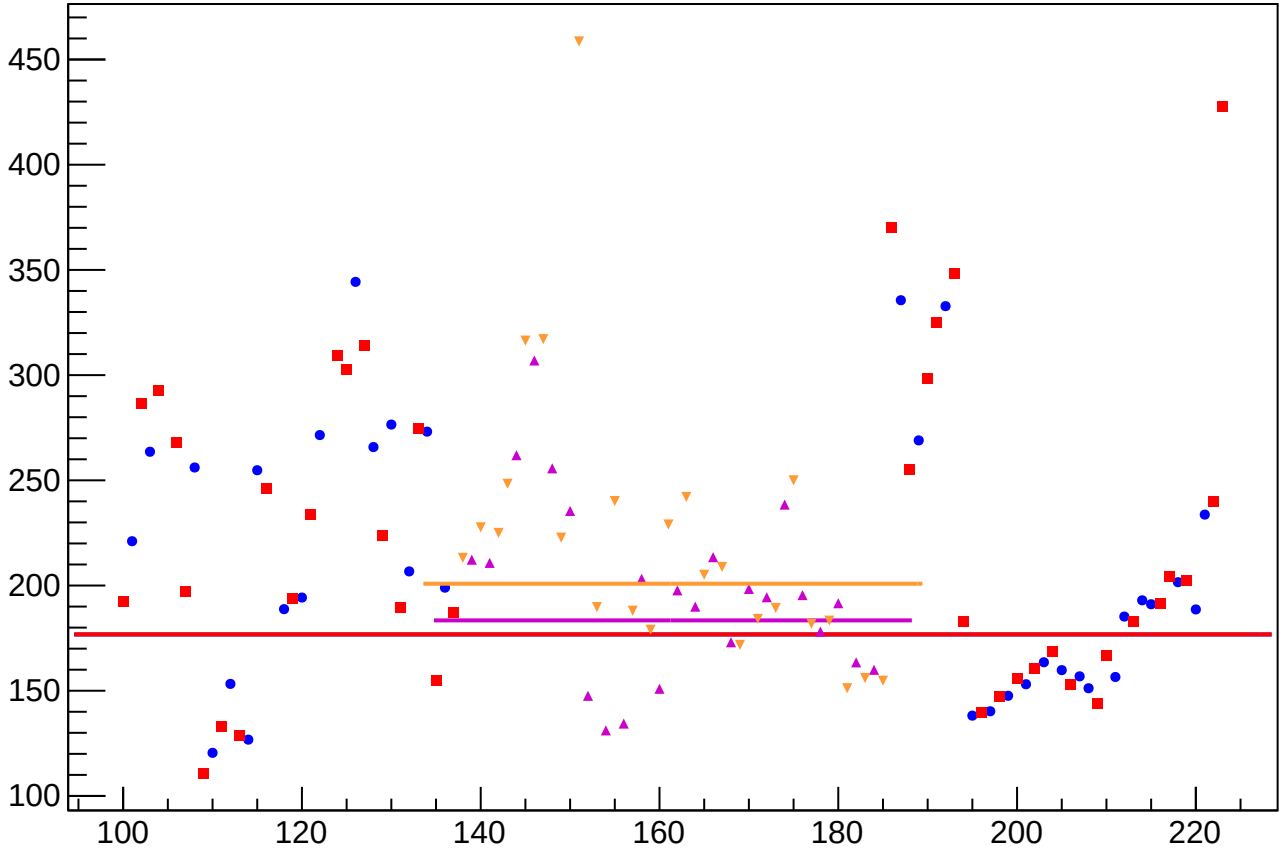
Right: -264.868+/-27.597 χ^2/NDF: 84.3/72

In: -83.441+/-29.422 χ^2/NDF:83.3/56

Out: -106.525+/-30.068 χ^2/NDF:110.1/63

All: -94.732+/-21.029 χ^2/NDF: 193.8/120

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



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

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

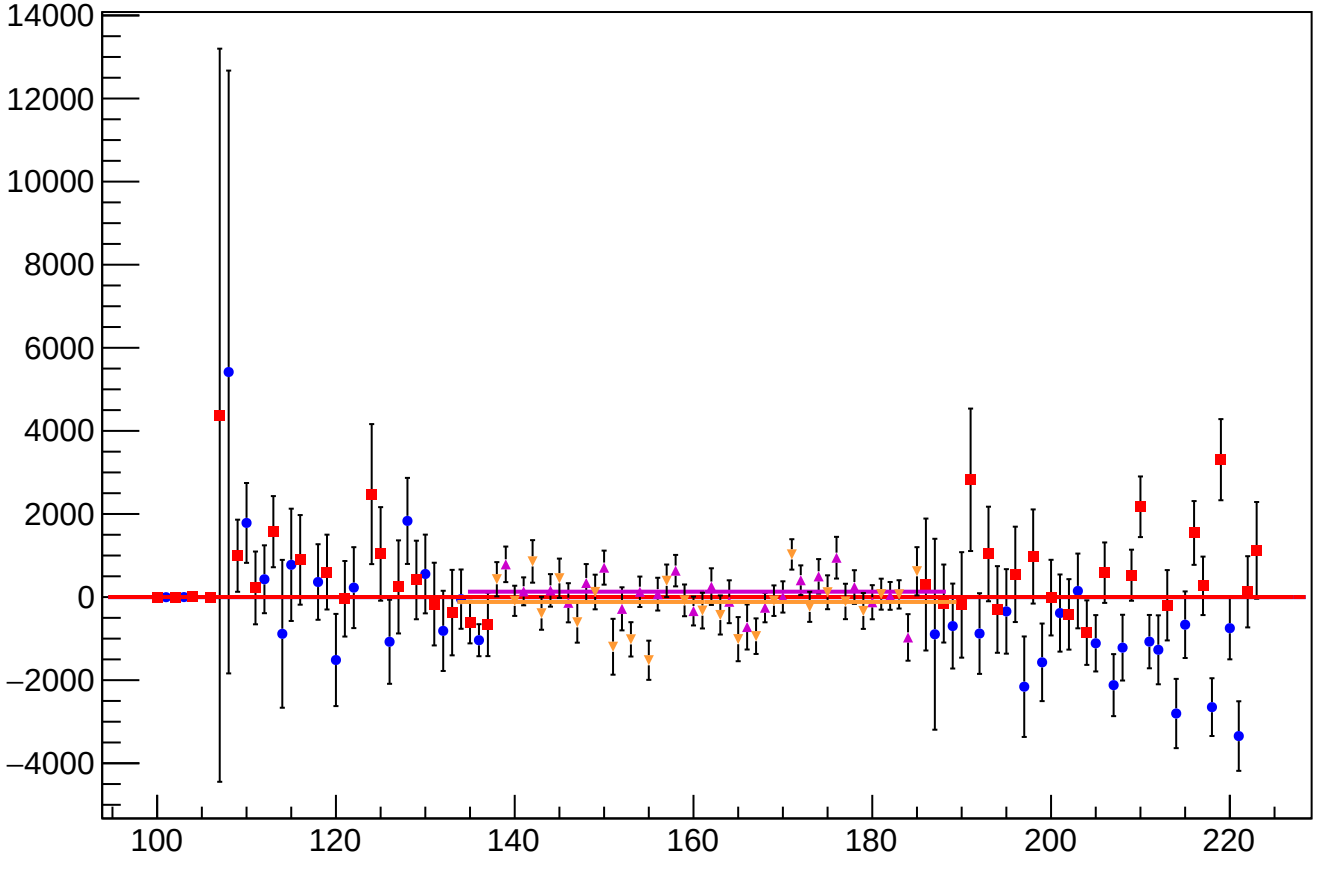
Right: 176.763+/-0.020 χ^2/NDF: 5950867.3/72

In: 179.633+/-0.021 χ^2/NDF:4006074.8/56

Out: 186.539+/-0.021 χ^2/NDF:5537074.9/63

All: 183.011+/-0.015 χ^2/NDF: 9597037.7/120

asym_cav4bQ_mean vs Slug, Sign Corrected



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

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

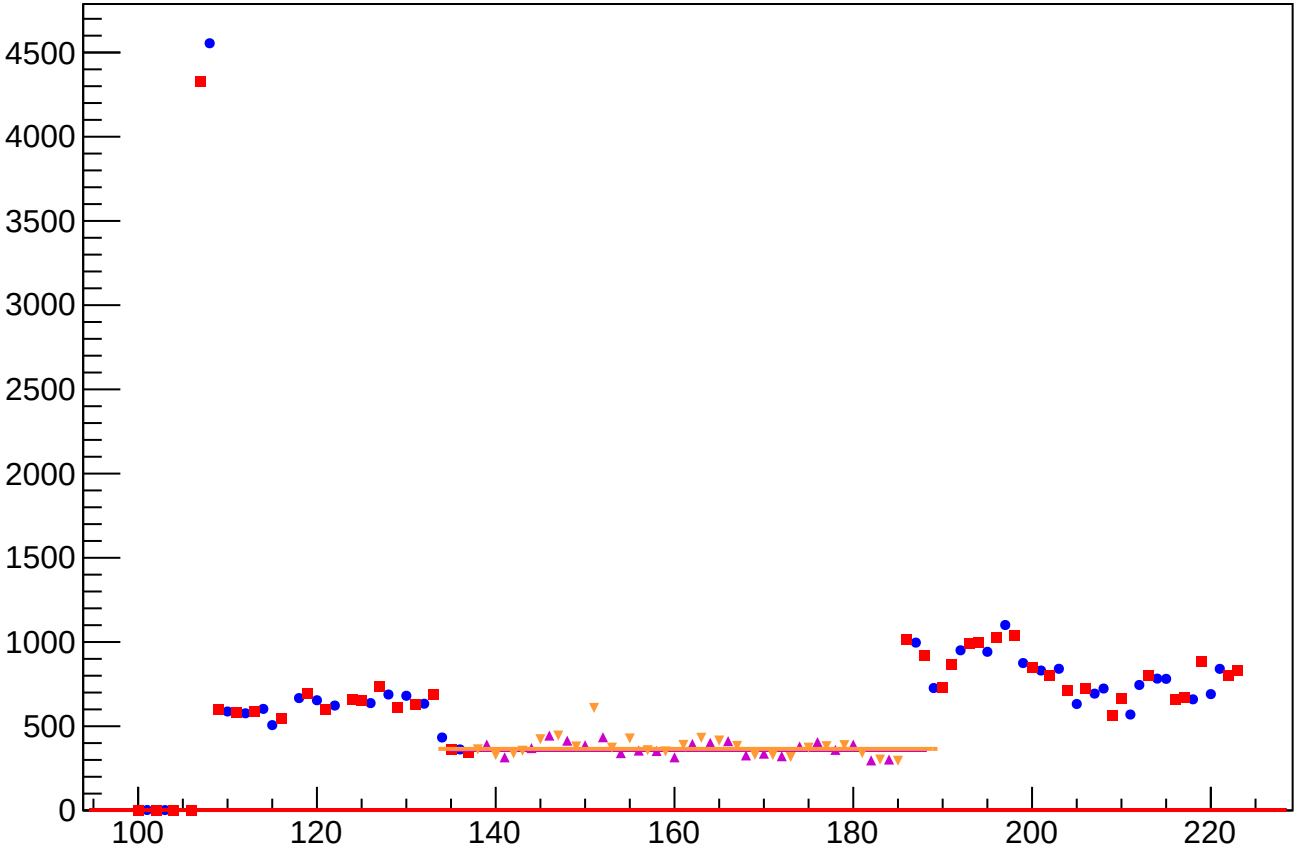
Right: 0.117+/-1.480 χ^2/NDF: 140.1/72

In: -1.318+/-2.170 χ^2/NDF:113.3/56

Out: 1.368+/-2.022 χ^2/NDF:98.2/63

All: 0.120+/-1.479 χ^2/NDF: 212.4/120

asym_cav4bQ_rms vs Slug, Sign Corrected



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

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

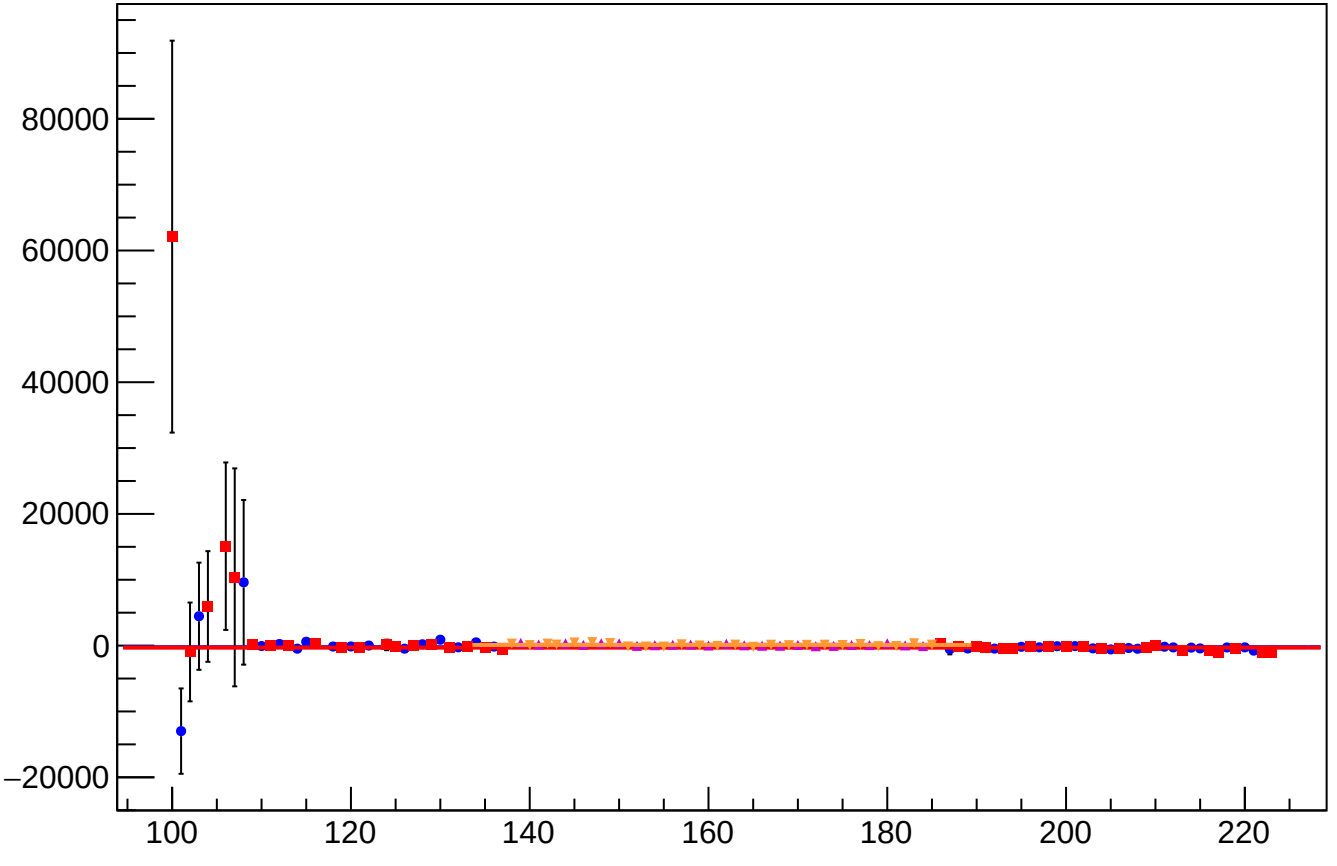
Right: 2.552+/-0.001 χ^2/NDF: 82598499.9/72

In: 2.798+/-0.002 χ^2/NDF:76252970.0/56

Out: 2.749+/-0.001 χ^2/NDF:79705334.5/63

All: 2.772+/-0.001 χ^2/NDF: 155958832.9/120

asym_cav4cQ_mean vs Slug, Sign Corrected



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

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

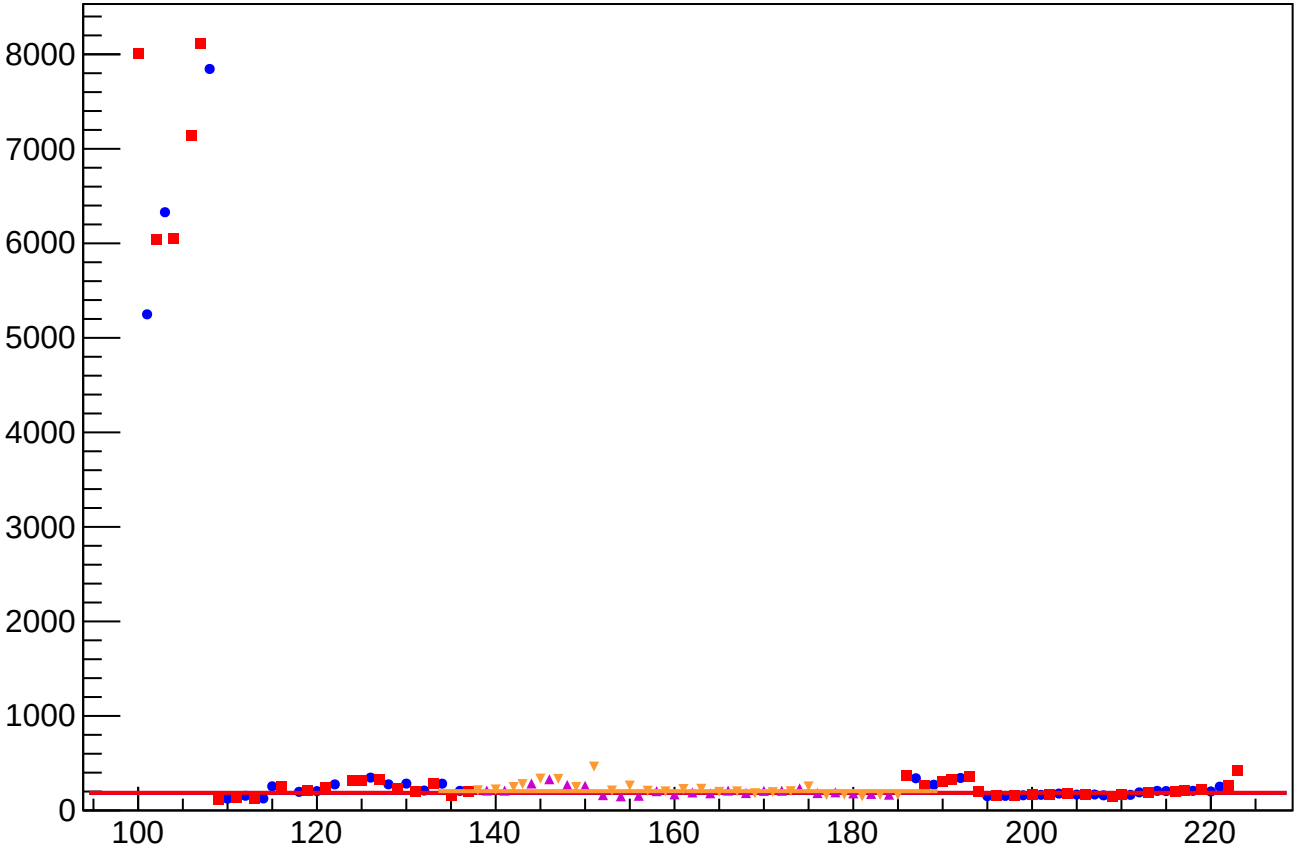
Right: -268.405+/-30.050 χ^2/NDF: 97.3/72

In: -80.266+/-31.439 χ^2/NDF:80.7/56

Out: -121.702+/-31.965 χ^2/NDF:108.1/63

All: -100.640+/-22.414 χ^2/NDF: 189.7/120

asym_cav4cQ_rms vs Slug, Sign Corrected



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

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

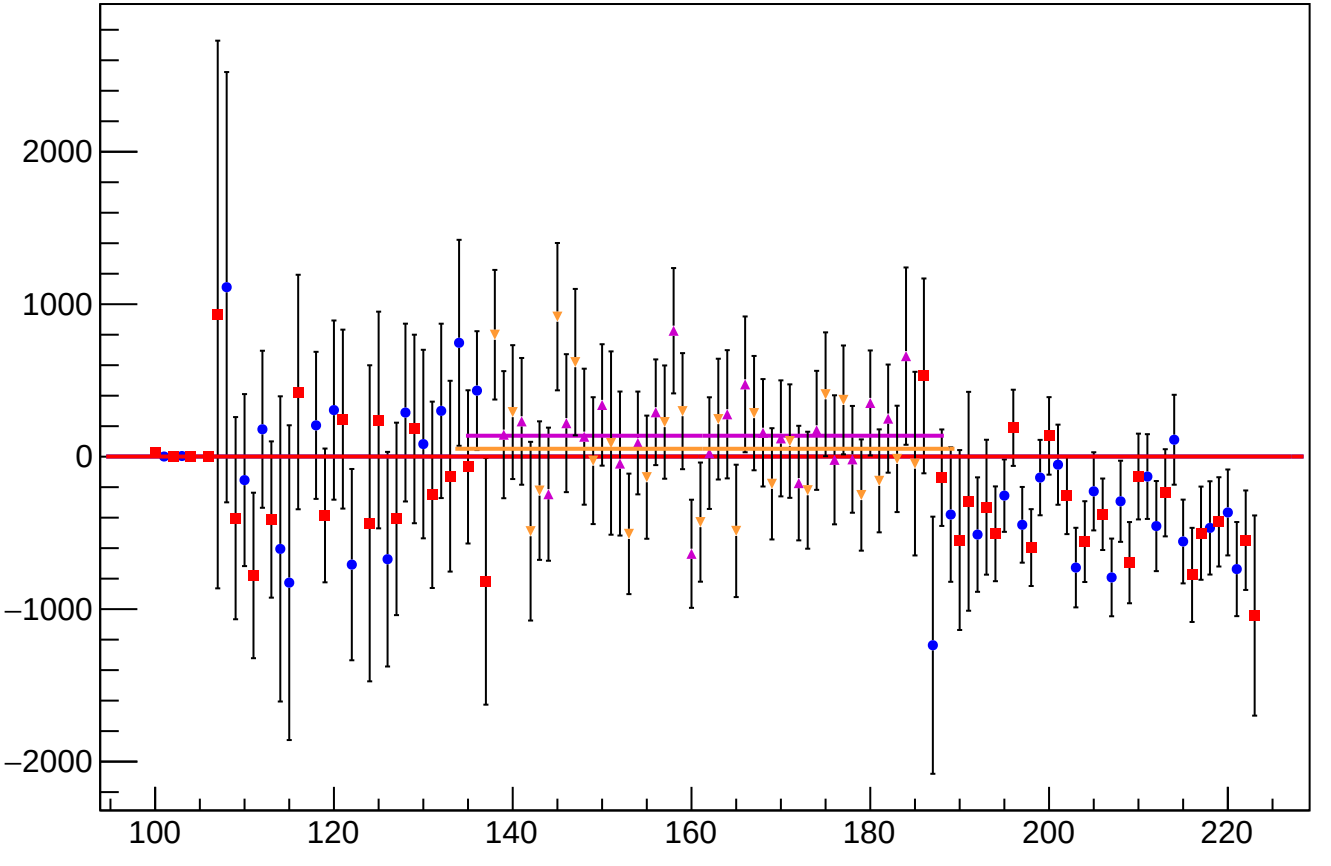
Right: 185.904+/-0.021 χ^2/NDF: 11307096.0/72

In: 189.147+/-0.022 χ^2/NDF:6353685.5/56

Out: 194.452+/-0.023 χ^2/NDF:8313410.7/63

All: 191.755+/-0.016 χ^2/NDF: 14695102.2/12

asym_cav4dQ_mean vs Slug, Sign Corrected



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

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

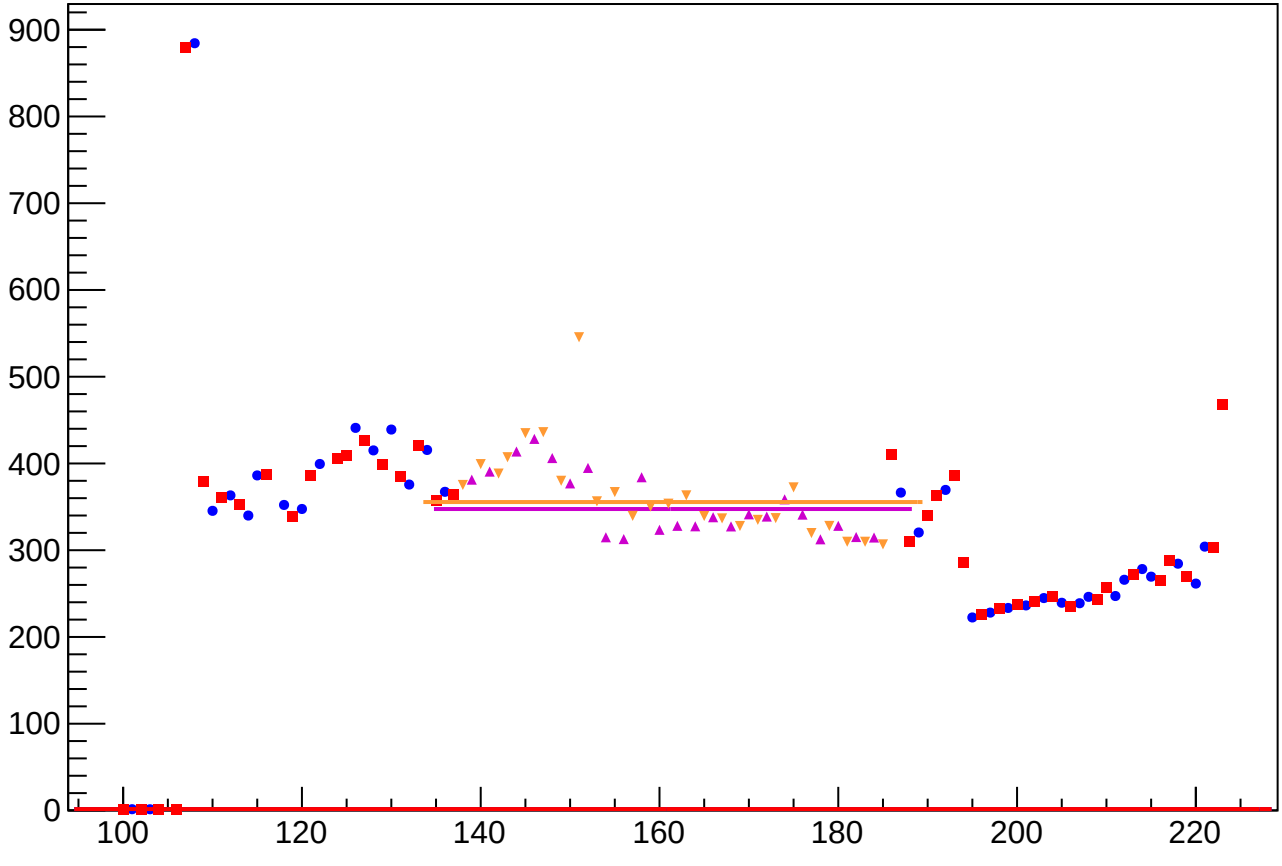
Right: 1.063+/-1.124 χ^2/NDF: 106.7/72

In: 1.282+/-1.659 χ^2/NDF:68.5/56

Out: 0.942+/-1.527 χ^2/NDF:72.9/63

All: 1.098+/-1.124 χ^2/NDF: 141.4/120

asym_cav4dQ_rms vs Slug, Sign Corrected



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

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

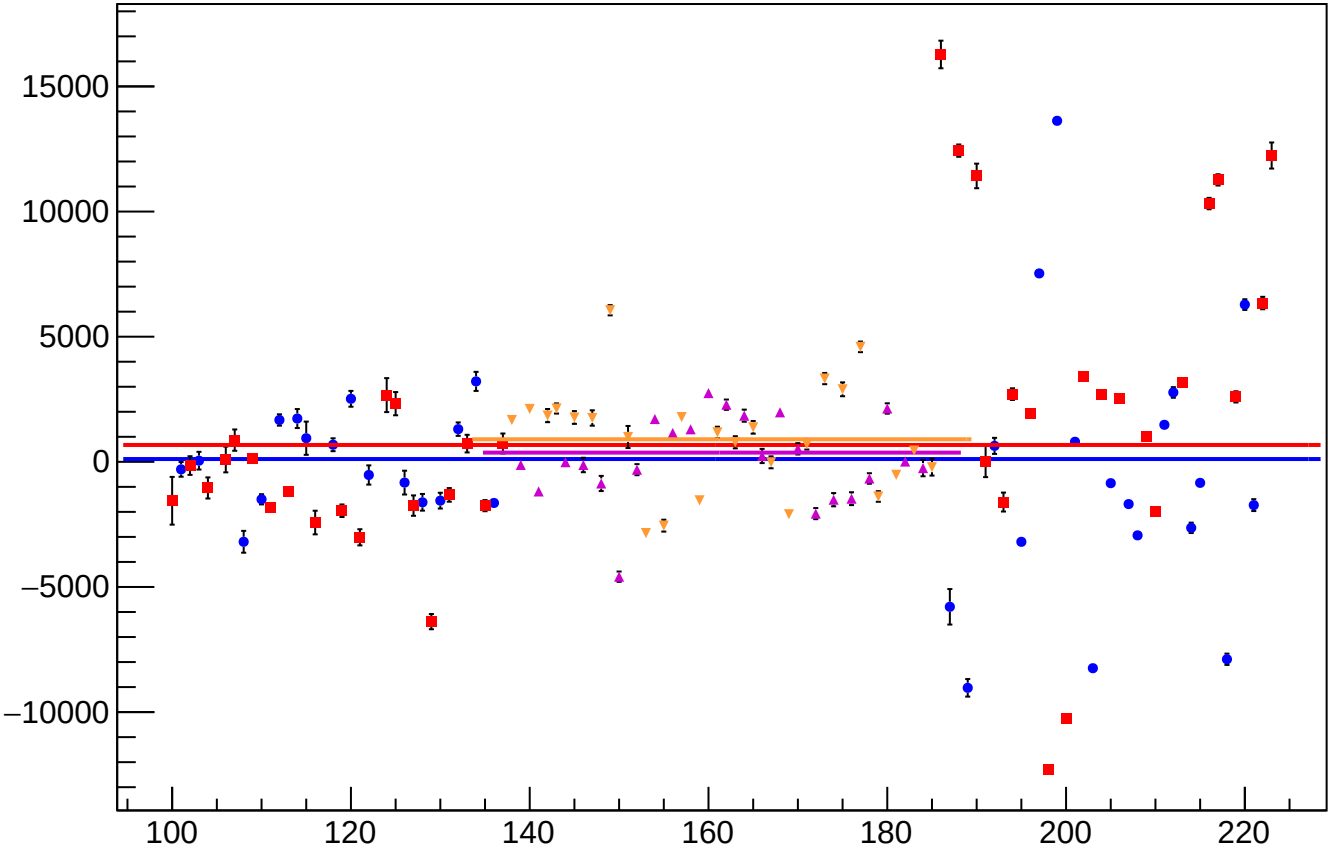
Right: 1.610+/-0.001 χ^2/NDF: 82421286.3/72

In: 1.766+/-0.001 χ^2/NDF:76689726.4/56

Out: 1.721+/-0.001 χ^2/NDF:79729310.2/63

All: 1.742+/-0.001 χ^2/NDF: 156419831.1/120

asym_bcm0l02_mean vs Slug, Sign Corrected



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

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

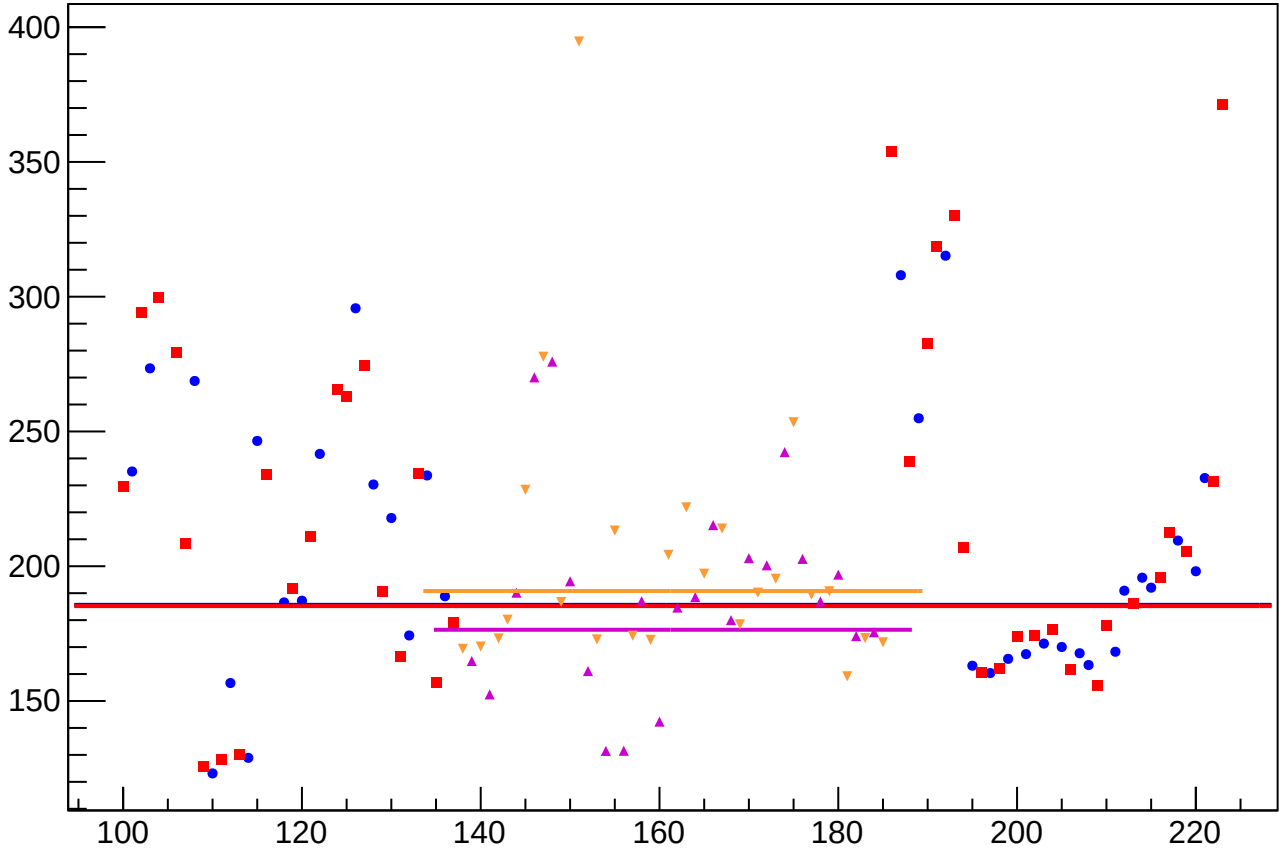
Right: 394.682+/-28.587 χ^2/NDF: 34398.6/72

In: 233.343+/-29.415 χ^2/NDF:16011.2/56

Out: 776.322+/-29.857 χ^2/NDF:22328.1/63

All: 500.783+/-20.954 χ^2/NDF: 38507.1/120

asym_bcm0l02_rms vs Slug, Sign Corrected



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

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

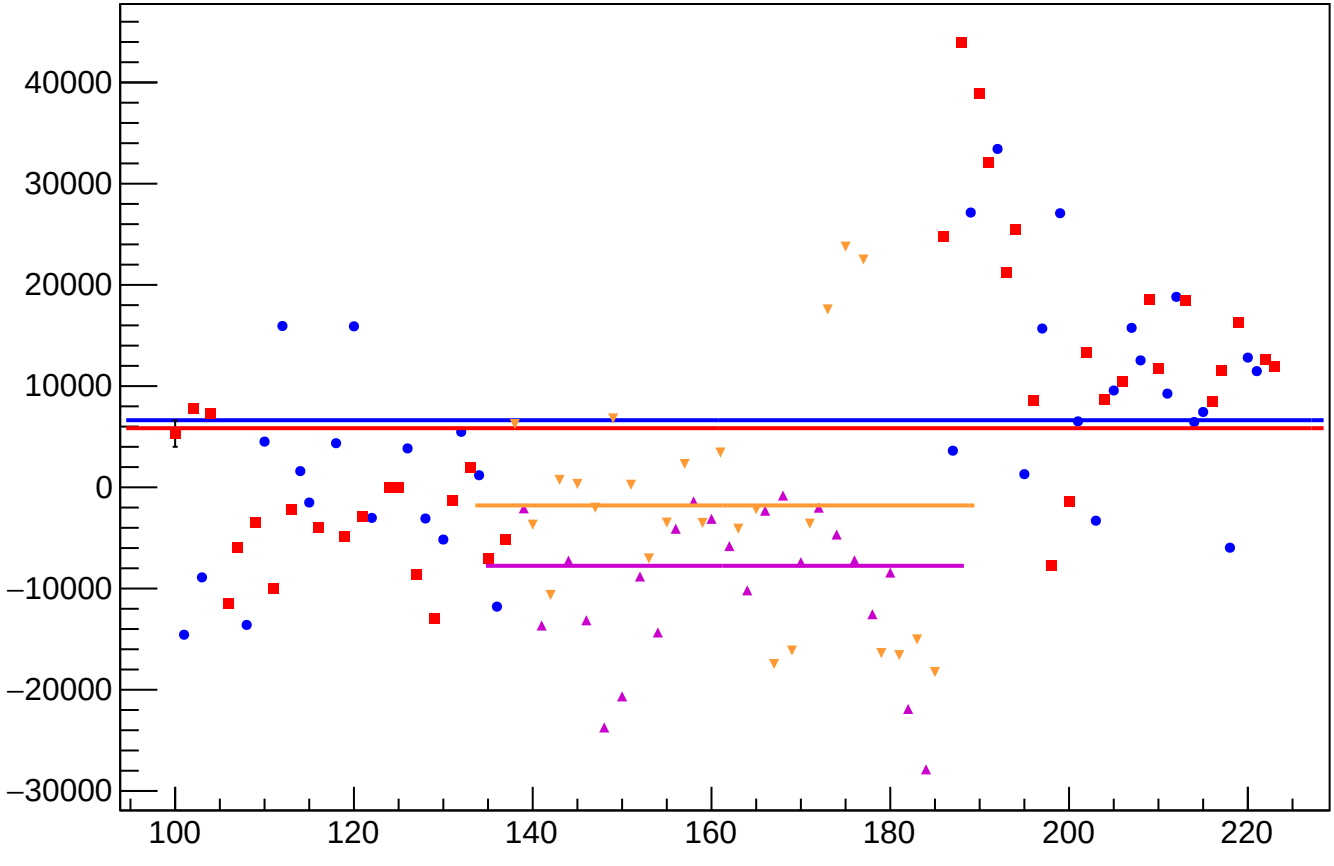
Right: 185.434+/-0.020 χ^2/NDF: 4158614.2/72

In: 181.286+/-0.021 χ^2/NDF:2880212.0/56

Out: 187.724+/-0.021 χ^2/NDF:3622137.3/63

All: 184.457+/-0.015 χ^2/NDF: 6549545.4/120

asym_bpm0i02WS_mean vs Slug, Sign Corrected



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

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

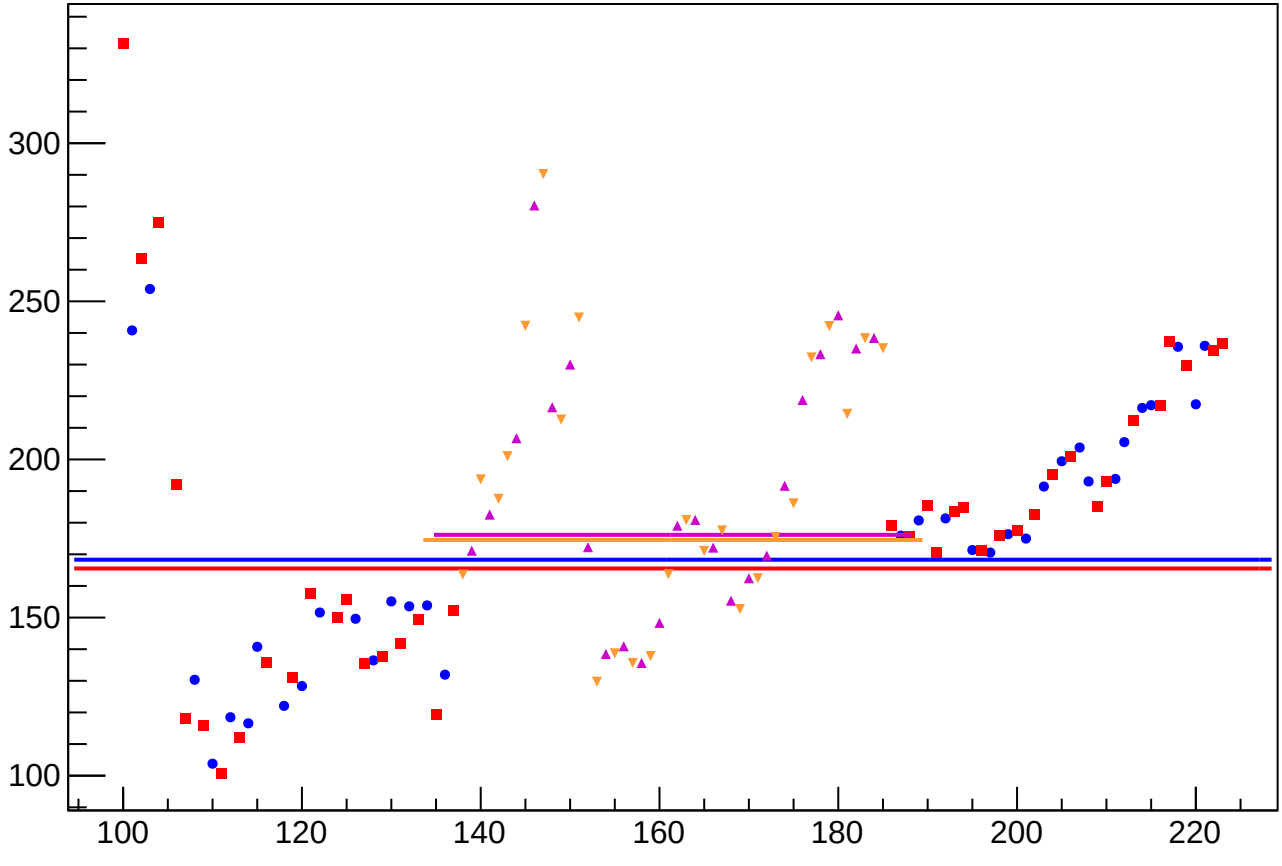
Right: 6223.469+/-25.794 χ^2/NDF: 251263.6/72

In: 422.744+/-27.966 χ^2/NDF:188479.9/56

Out: 2522.348+/-26.981 χ^2/NDF:236147.9/63

All: 1510.155+/-19.417 χ^2/NDF: 427547.2/12

asym_bpm0i02WS_rms vs Slug, Sign Corrected



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

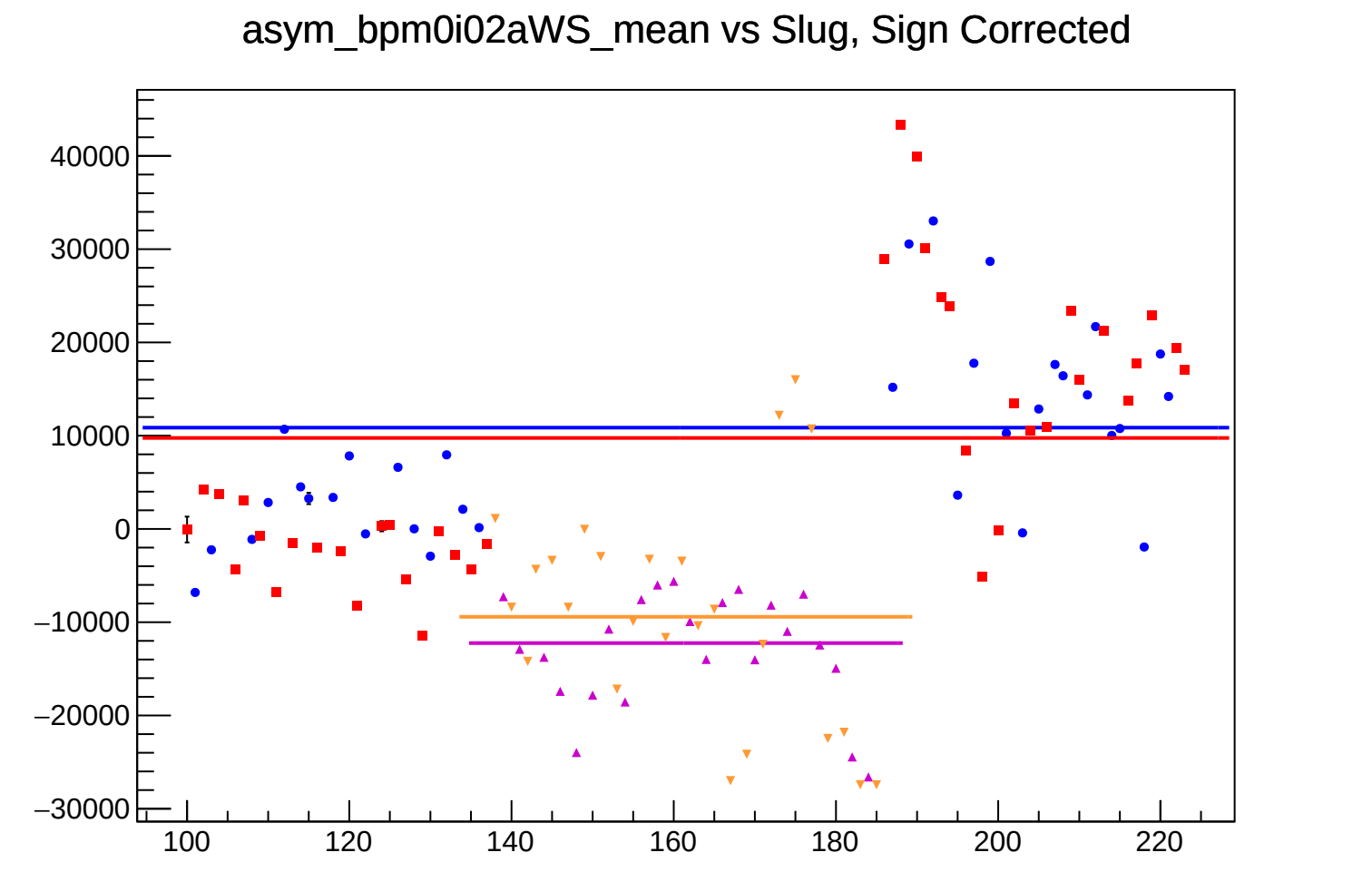
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 166.863+/-0.018 χ^2/NDF: 4604393.2/72

In: 171.688+/-0.020 χ^2/NDF:3492093.3/56

Out: 169.435+/-0.019 χ^2/NDF:4226473.2/63

All: 170.521+/-0.014 χ^2/NDF: 7725285.7/120



Right In: 10861.637+/-40.183 χ^2/NDF: 60668.8/33

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 9757.126+/-38.977 χ^2/NDF: 125104.1/38

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

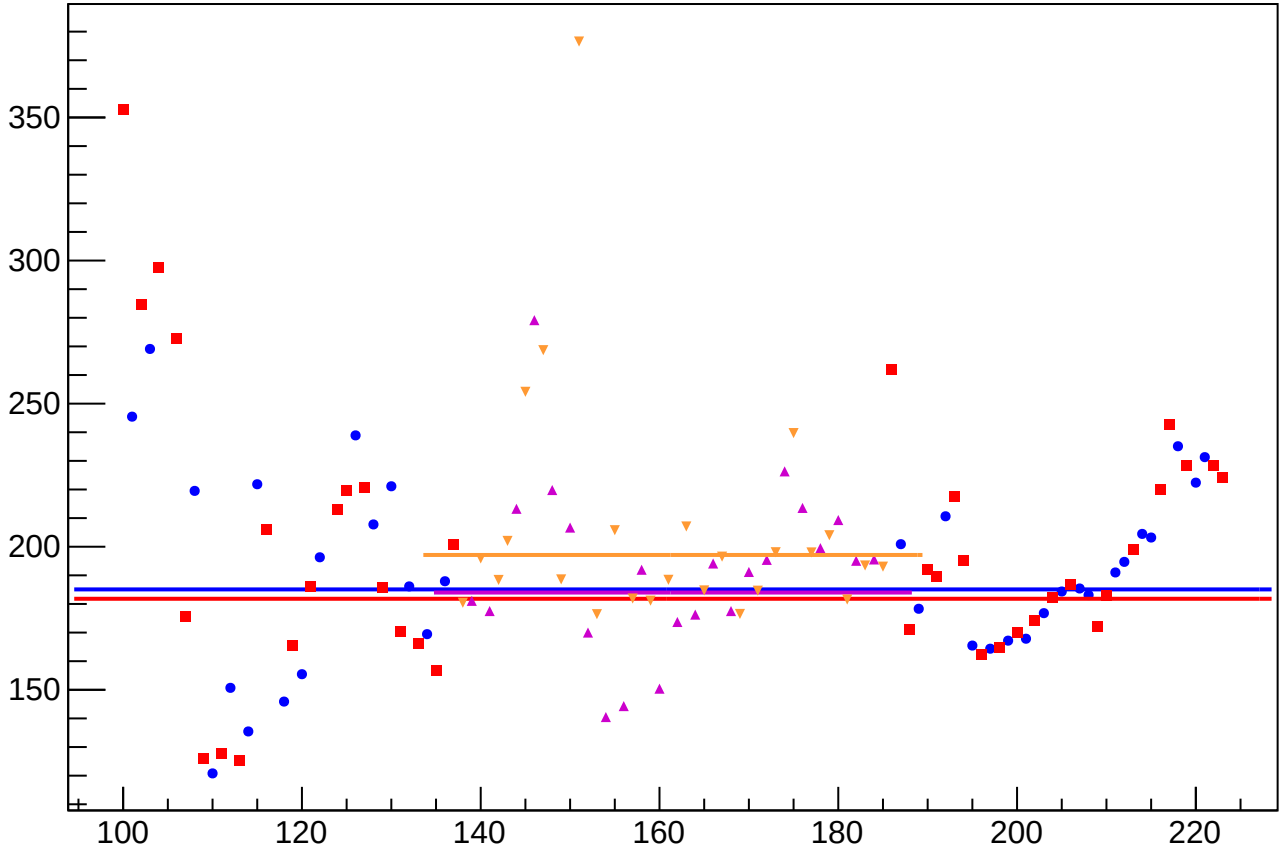
Right: 10292.563+/-27.978 χ^2/NDF: 186162.1/72

In: 407.440+/-29.731 χ^2/NDF:226249.0/56

Out: 1681.072+/-29.655 χ^2/NDF:291768.3/63

All: 1045.880+/-20.996 χ^2/NDF: 518937.2/12

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



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

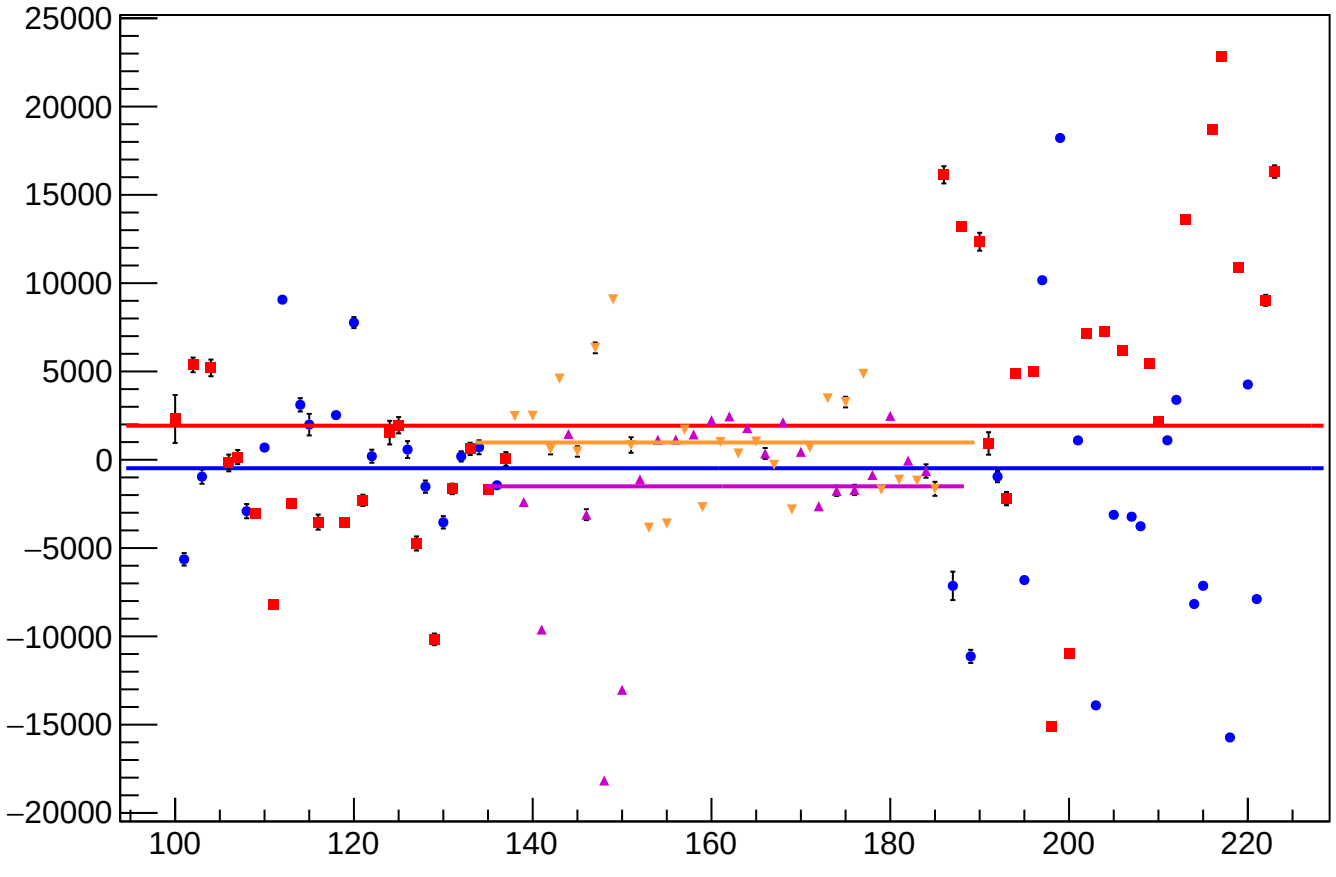
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 183.398+/-0.020 χ^2/NDF: 2679895.8/72

In: 184.588+/-0.021 χ^2/NDF:1892763.9/56

Out: 188.259+/-0.021 χ^2/NDF:2473251.5/63

All: 186.428+/-0.015 χ^2/NDF: 4381296.5/120



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

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

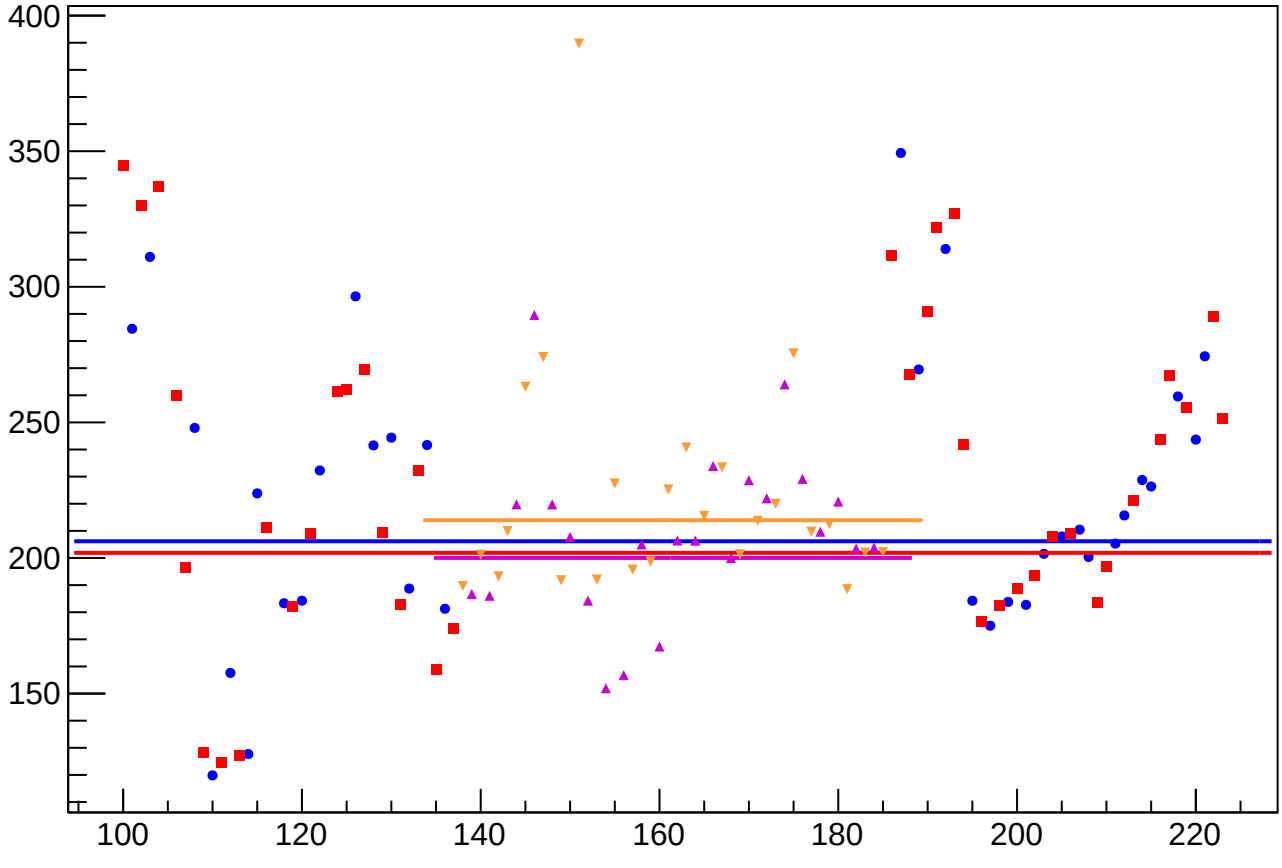
Right: 757.693+/-31.476 χ^2/NDF: 68325.0/72

In: -960.406+/-32.899 χ^2/NDF:39757.8/56

Out: 1511.388+/-32.882 χ^2/NDF:43355.5/63

All: 276.115+/-23.257 χ^2/NDF: 85937.2/120

asym_bpm0i05WS_rms vs Slug, Sign Corrected



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

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

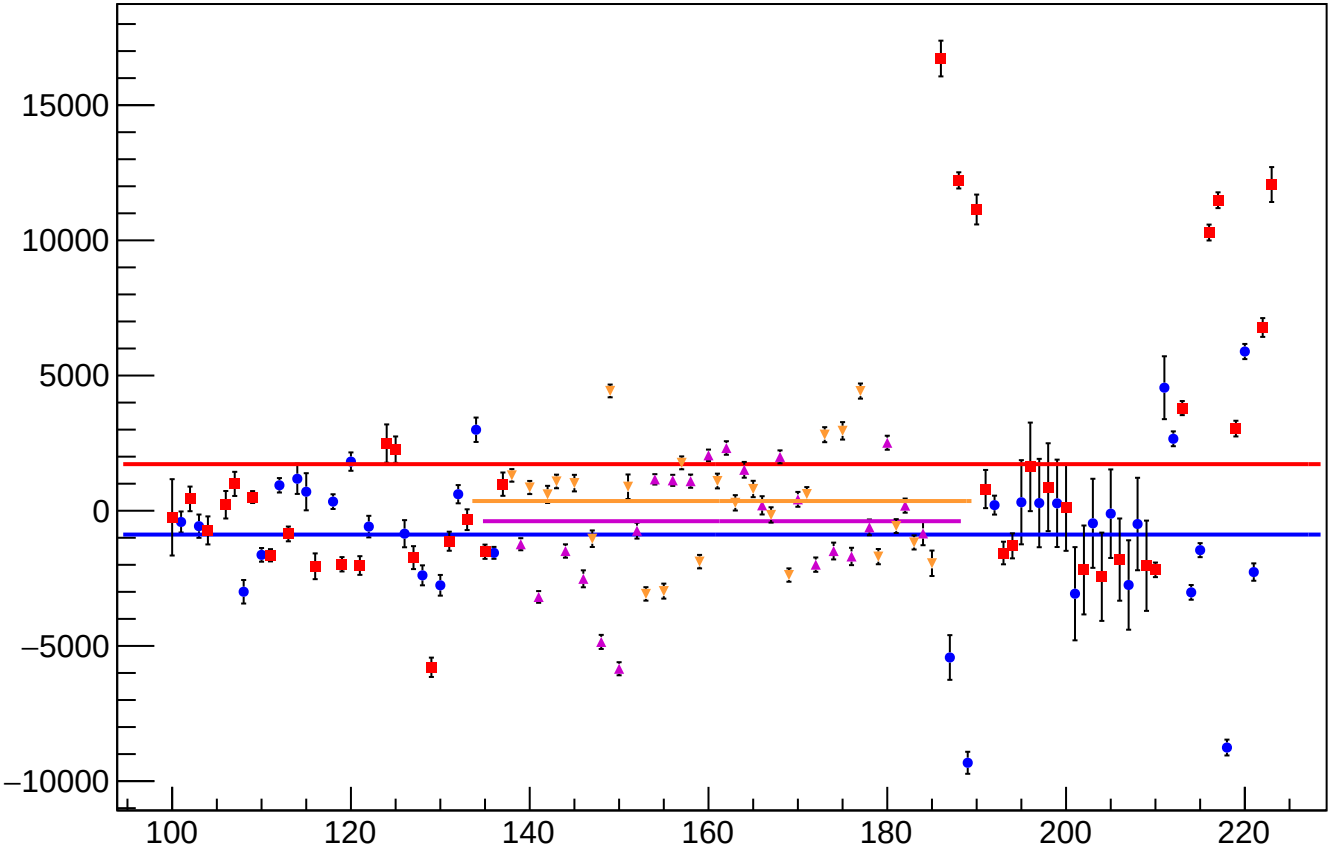
Right: 203.975+/-0.022 χ^2/NDF: 4539038.6/72

In: 203.290+/-0.023 χ^2/NDF:2576056.4/56

Out: 207.186+/-0.023 χ^2/NDF:3556242.5/63

All: 205.239+/-0.016 χ^2/NDF: 6146331.1/120

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

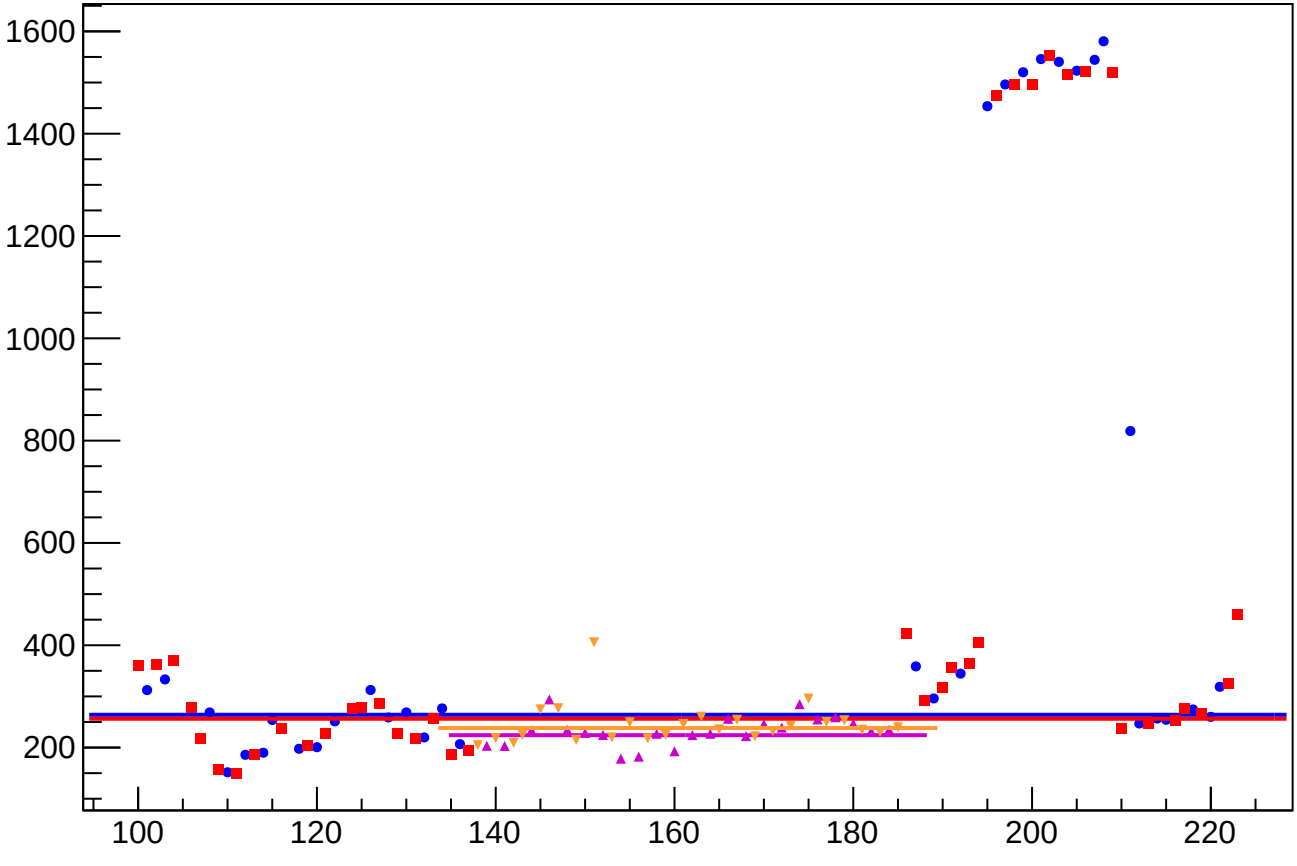
Right: 502.792+/-45.325 χ^2/NDF: 9611.2/72

In: -582.395+/-41.628 χ^2/NDF:4218.2/56

Out: 957.578+/-41.191 χ^2/NDF:8097.6/63

All: 195.727+/-29.280 χ^2/NDF: 13007.4/120

asym_bpm0i07WS_rms vs Slug, Sign Corrected



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

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

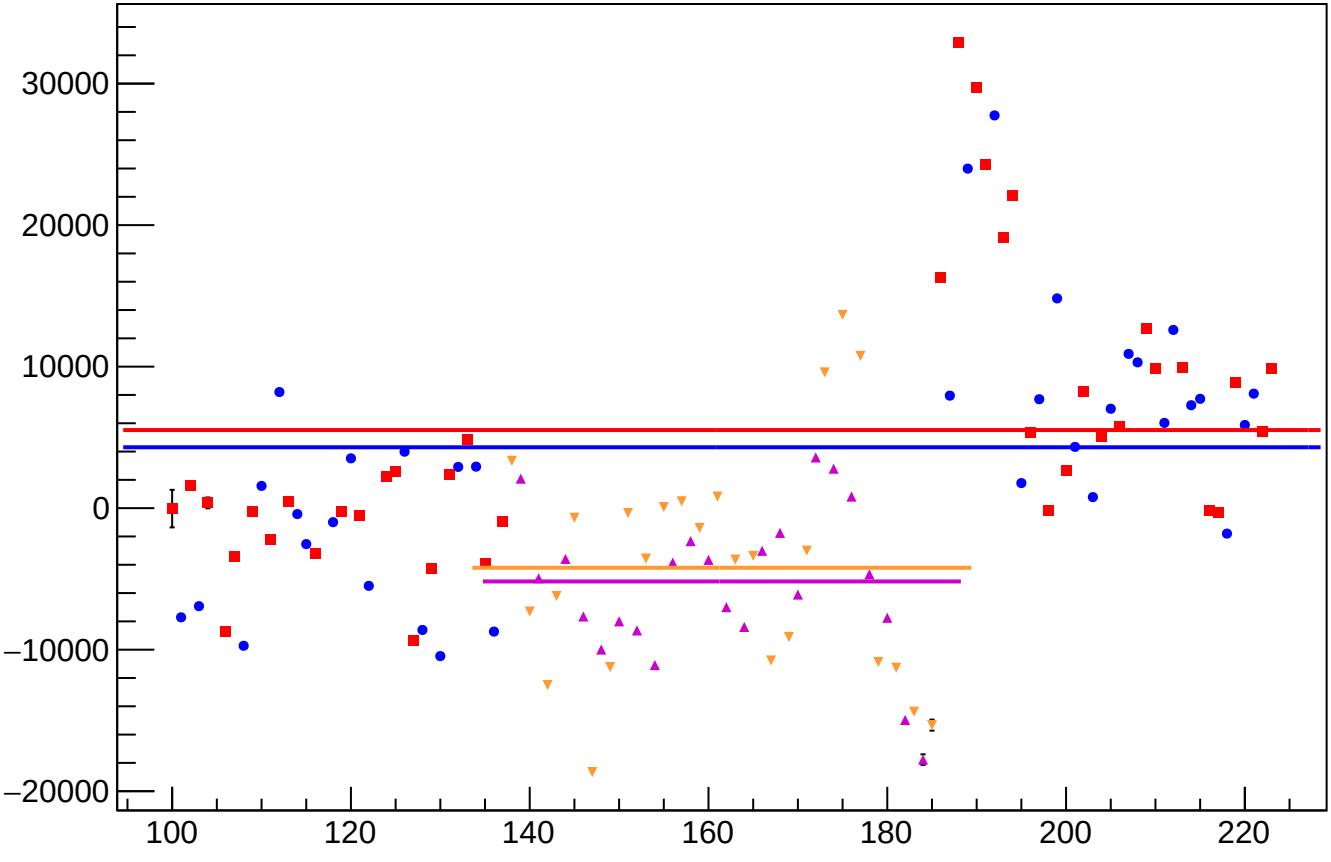
Right: 259.990+/-0.032 χ^2/NDF: 21977513.0/72

In: 239.983+/-0.029 χ^2/NDF:12128182.3/56

Out: 246.167+/-0.029 χ^2/NDF:11500833.5/63

All: 243.108+/-0.021 χ^2/NDF: 23651314.8/12

asym_bpm1i02WS_mean vs Slug, Sign Corrected



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

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

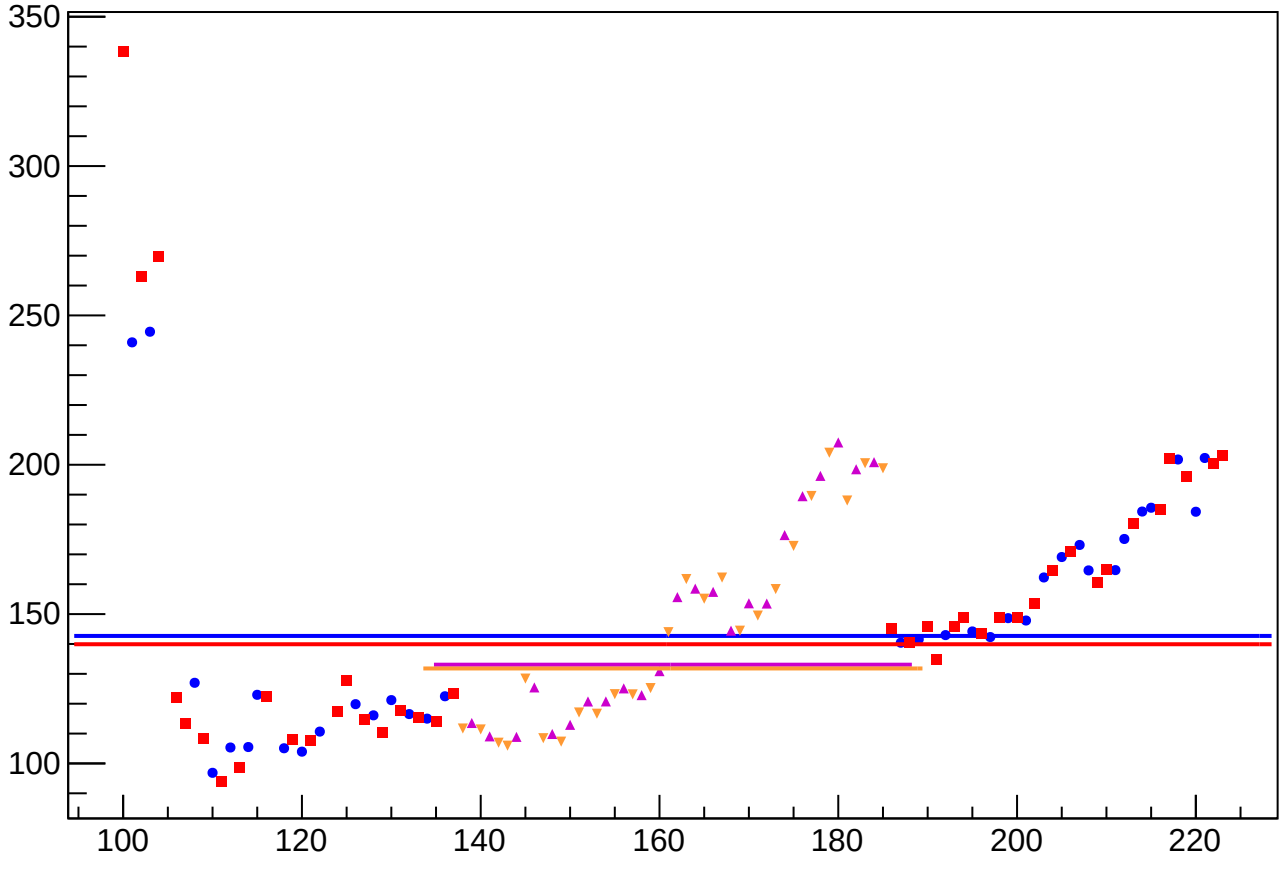
Right: 4933.912+/-21.859 χ^2/NDF: 191796.4/72

In: -369.863+/-22.443 χ^2/NDF:146417.8/56

Out: 731.340+/-21.626 χ^2/NDF:215147.6/63

All: 201.146+/-15.573 χ^2/NDF: 362813.8/120

asym_bpm1i02WS_rms vs Slug, Sign Corrected



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

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

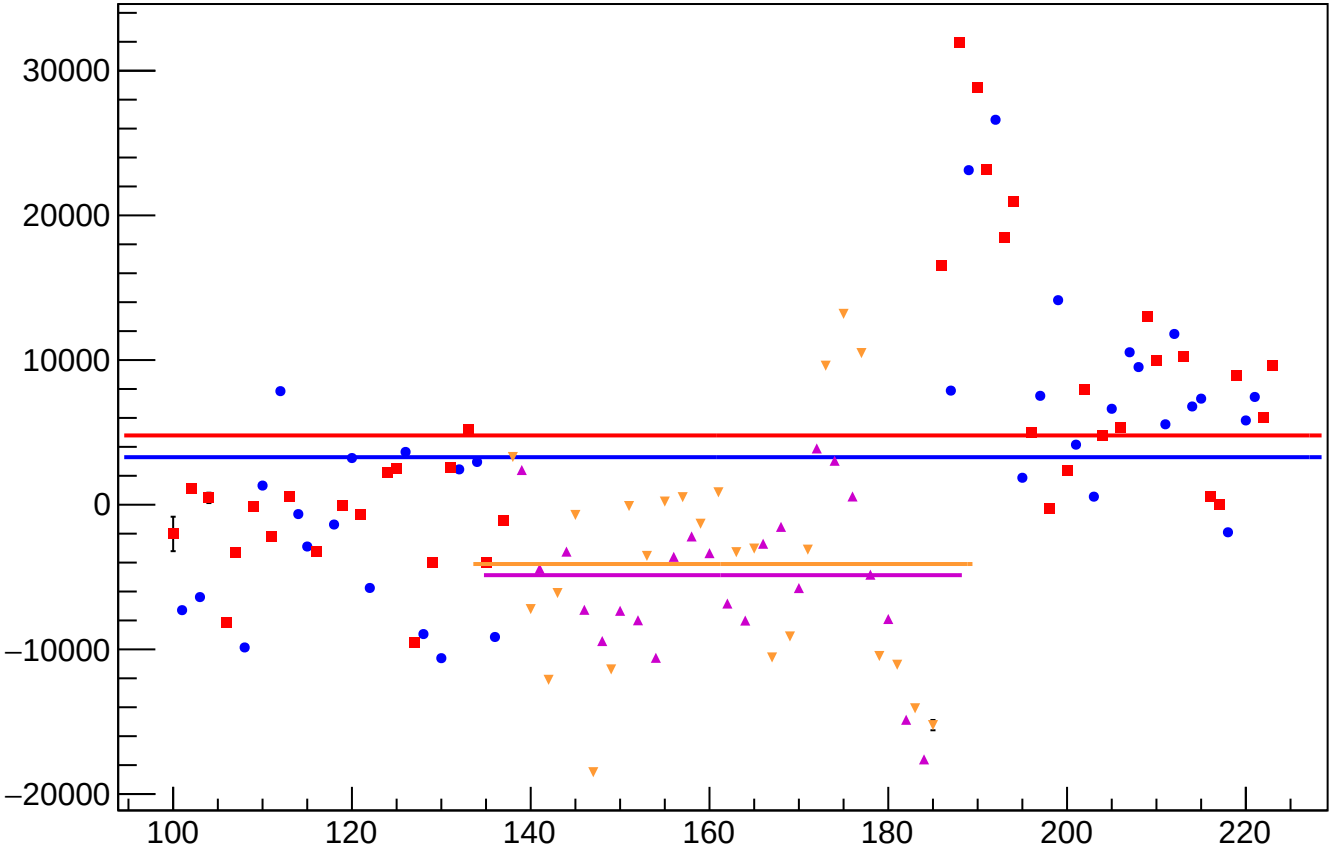
Right: 141.247+/-0.015 χ^2/NDF: 4523891.3/72

In: 137.945+/-0.016 χ^2/NDF:3622553.3/56

Out: 135.917+/-0.015 χ^2/NDF:4018183.2/63

All: 136.893+/-0.011 χ^2/NDF: 7649204.5/120

asym_bpm2i01WS_mean vs Slug, Sign Corrected



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

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

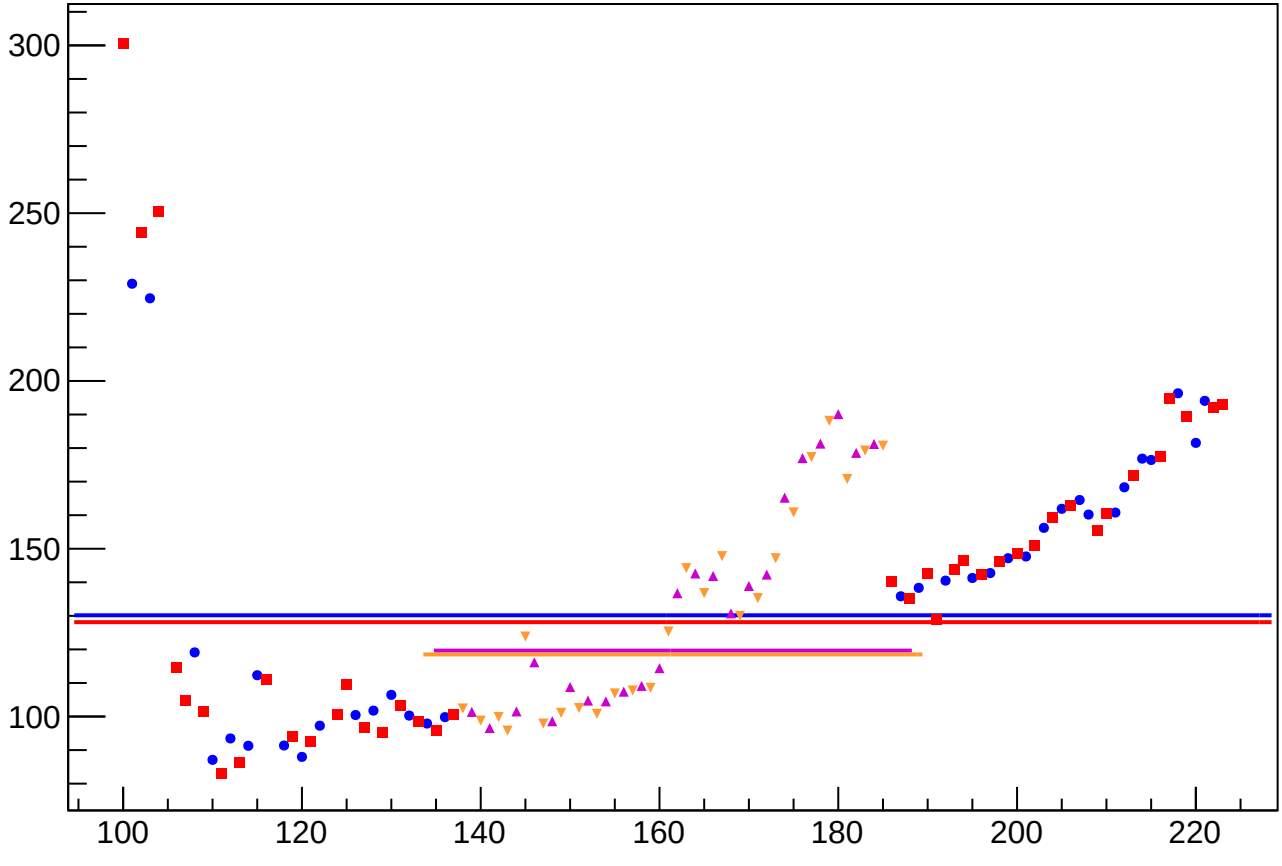
Right: 4063.751+/-20.217 χ^2/NDF: 207890.4/72

In: -833.085+/-20.474 χ^2/NDF:153326.1/56

Out: 291.637+/-19.755 χ^2/NDF:231634.8/63

All: -250.626+/-14.216 χ^2/NDF: 386523.8/12

asym_bpm2i01WS_rms vs Slug, Sign Corrected



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

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

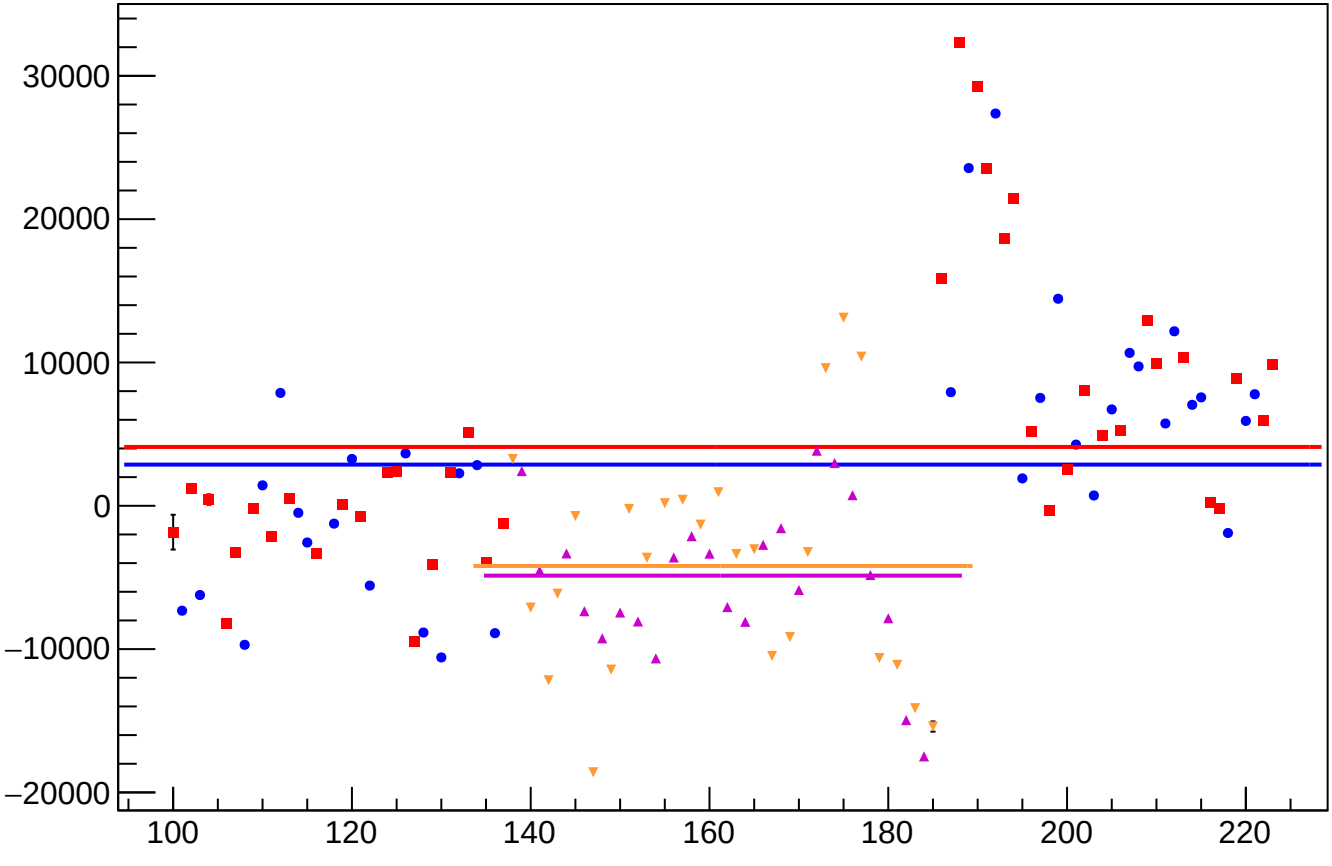
Right: 129.110+/-0.014 χ^2/NDF: 6286297.8/72

In: 124.854+/-0.014 χ^2/NDF:4667185.7/56

Out: 123.254+/-0.014 χ^2/NDF:5004168.0/63

All: 124.025+/-0.010 χ^2/NDF: 9677676.8/120

asym_bpm2i02WS_mean vs Slug, Sign Corrected



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

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

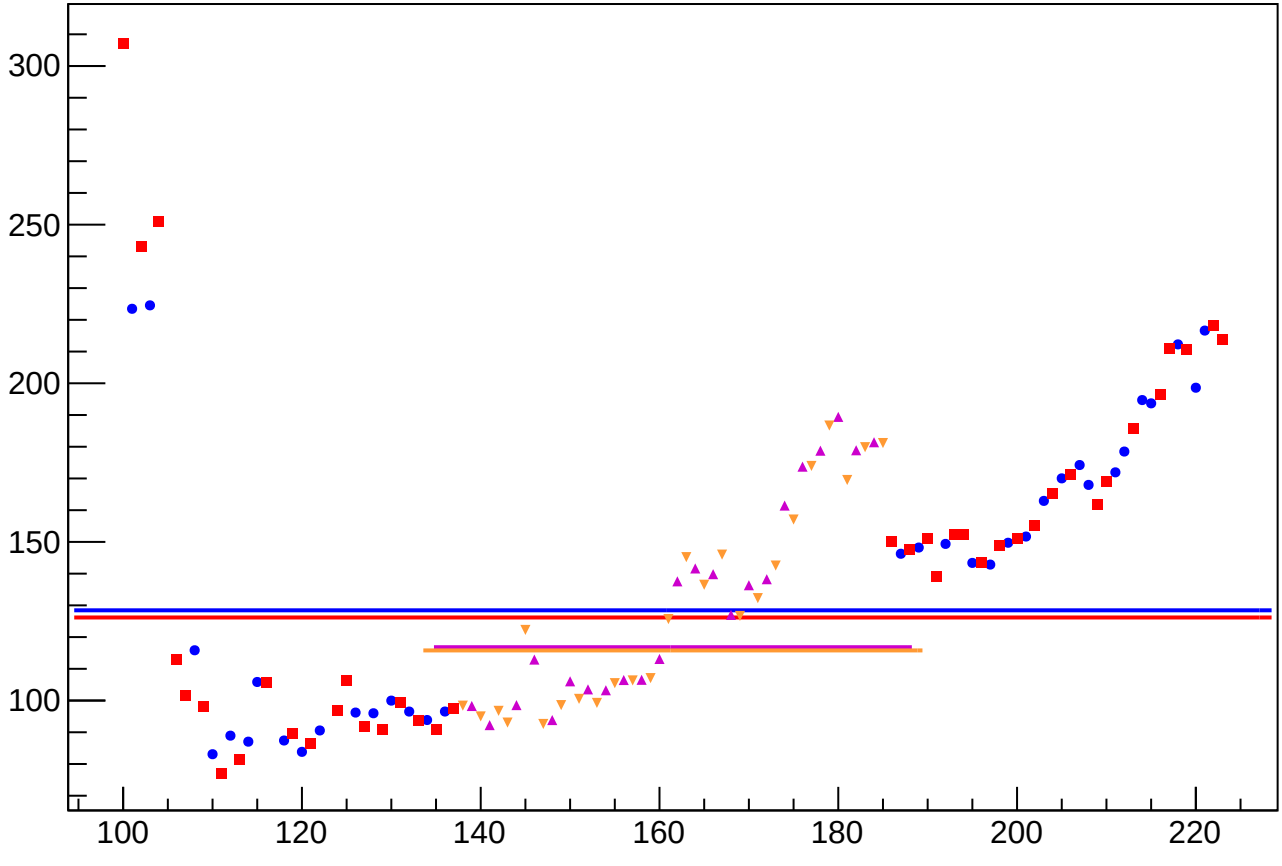
Right: 3512.438+/-20.247 χ^2/NDF: 200348.2/72

In: -1129.432+/-20.272 χ^2/NDF:150392.7/56

Out: -183.844+/-19.559 χ^2/NDF:223852.2/63

All: -639.726+/-14.076 χ^2/NDF: 375371.7/12

asym_bpm2i02WS_rms vs Slug, Sign Corrected



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

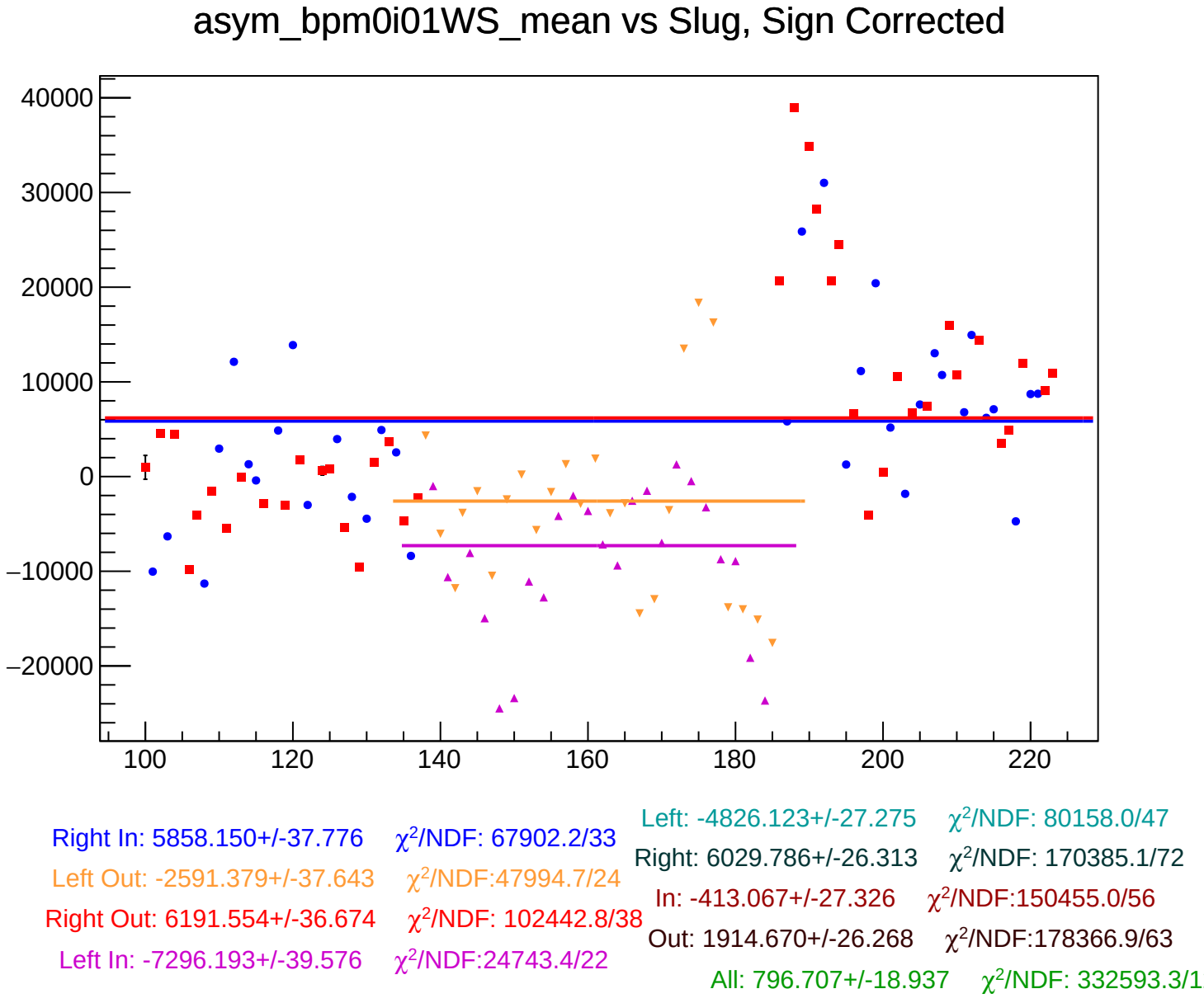
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 127.271+/-0.014 χ^2/NDF: 8626990.1/72

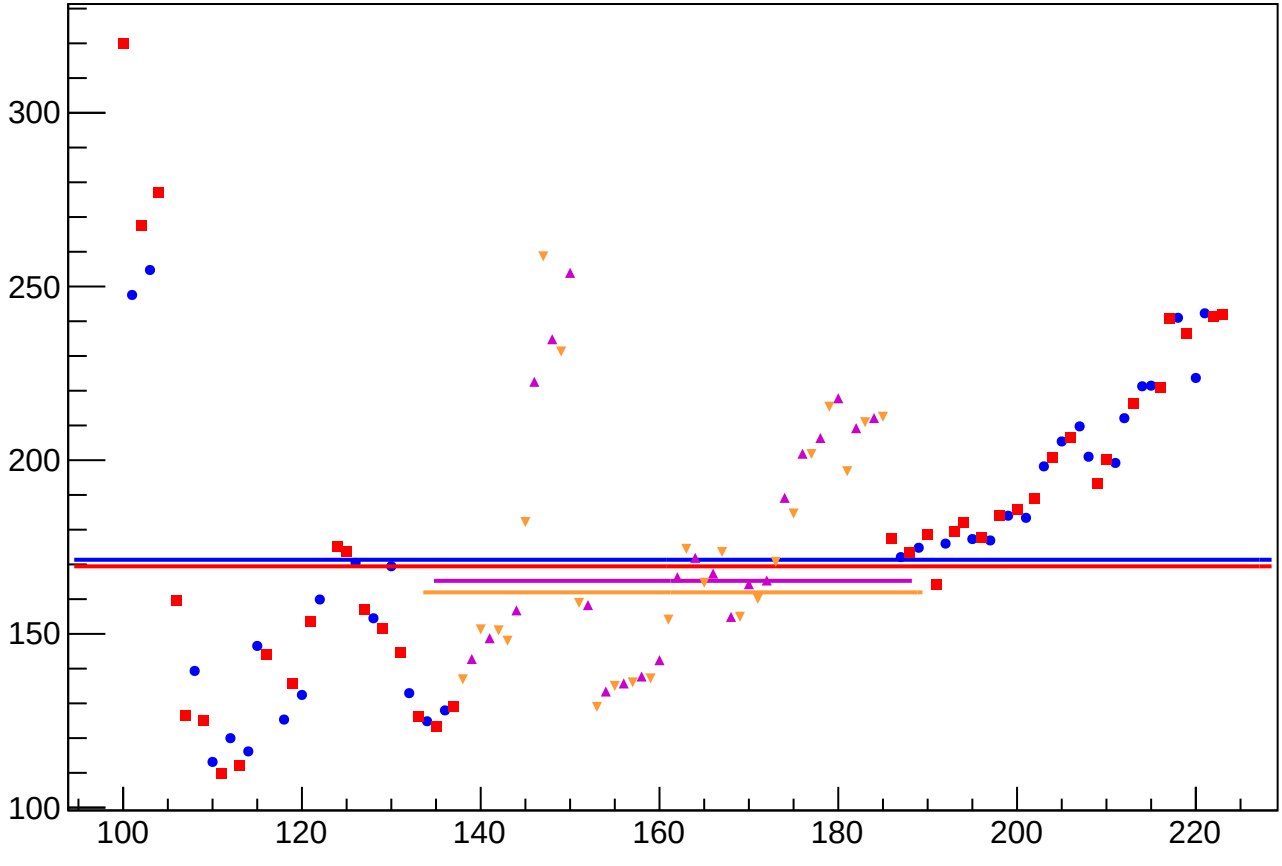
In: 122.430+/-0.014 χ^2/NDF:5912058.8/56

Out: 120.816+/-0.014 χ^2/NDF:6380584.6/63

All: 121.594+/-0.010 χ^2/NDF: 12299207.8/12


asym_bpm0i01WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
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
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 6029.786+/-26.313 χ²/NDF: 170385.1/72
In: -413.067+/-27.326 χ²/NDF:150455.0/56
Out: 1914.670+/-26.268 χ²/NDF:178366.9/63
All: 796.707+/-18.937 χ²/NDF: 332593.3/120

asym_bpm0i01WS_rms vs Slug, Sign Corrected



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

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

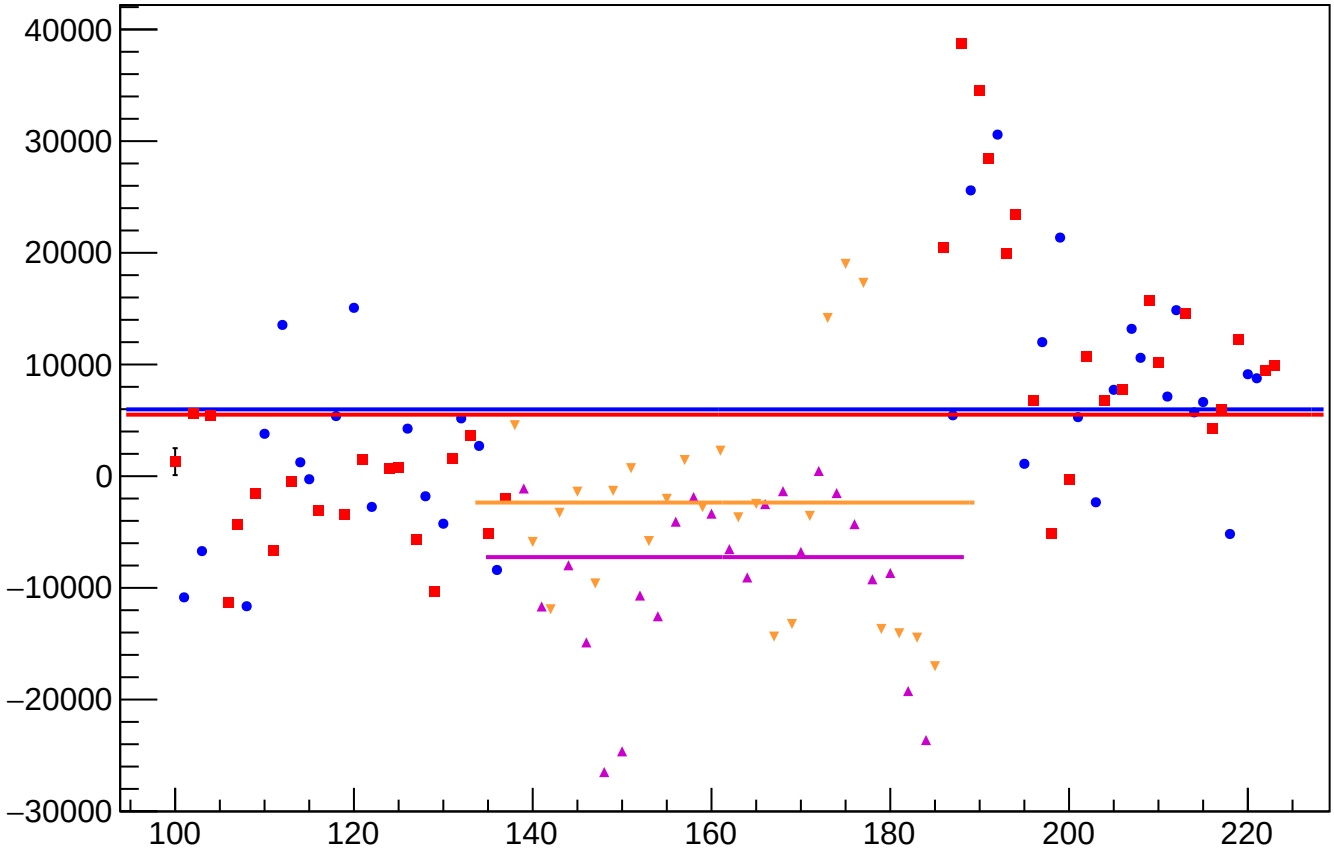
Right: 170.365+/-0.019 χ^2/NDF: 4567536.5/72

In: 168.448+/-0.019 χ^2/NDF:3392007.7/56

Out: 165.799+/-0.019 χ^2/NDF:3562044.1/63

All: 167.071+/-0.013 χ^2/NDF: 6963821.8/120

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



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

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

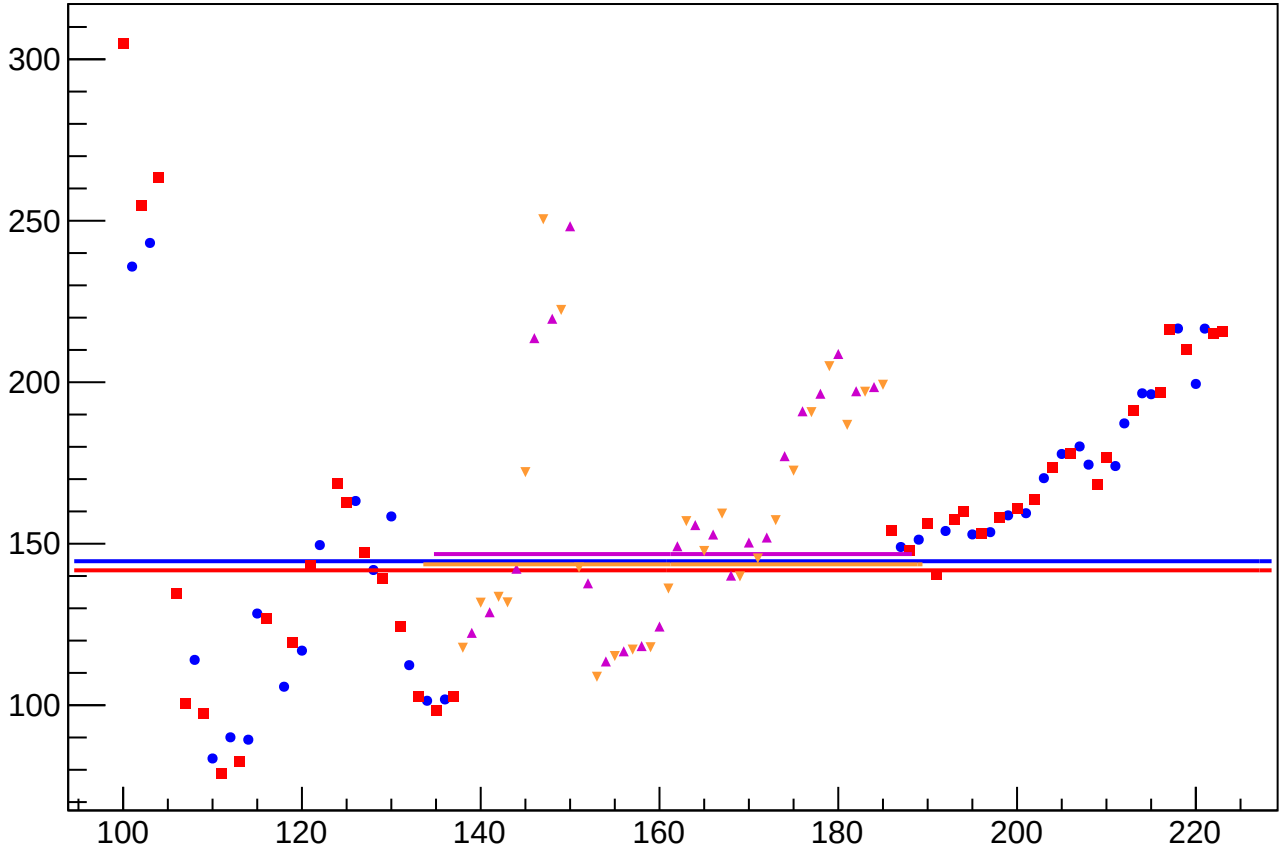
Right: 5737.895+/-22.445 χ^2/NDF: 237476.7/72

In: -10.654+/-23.901 χ^2/NDF:200731.4/56

Out: 1875.626+/-22.886 χ^2/NDF:230940.7/63

All: 973.409+/-16.530 χ^2/NDF: 434921.4/120

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



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

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

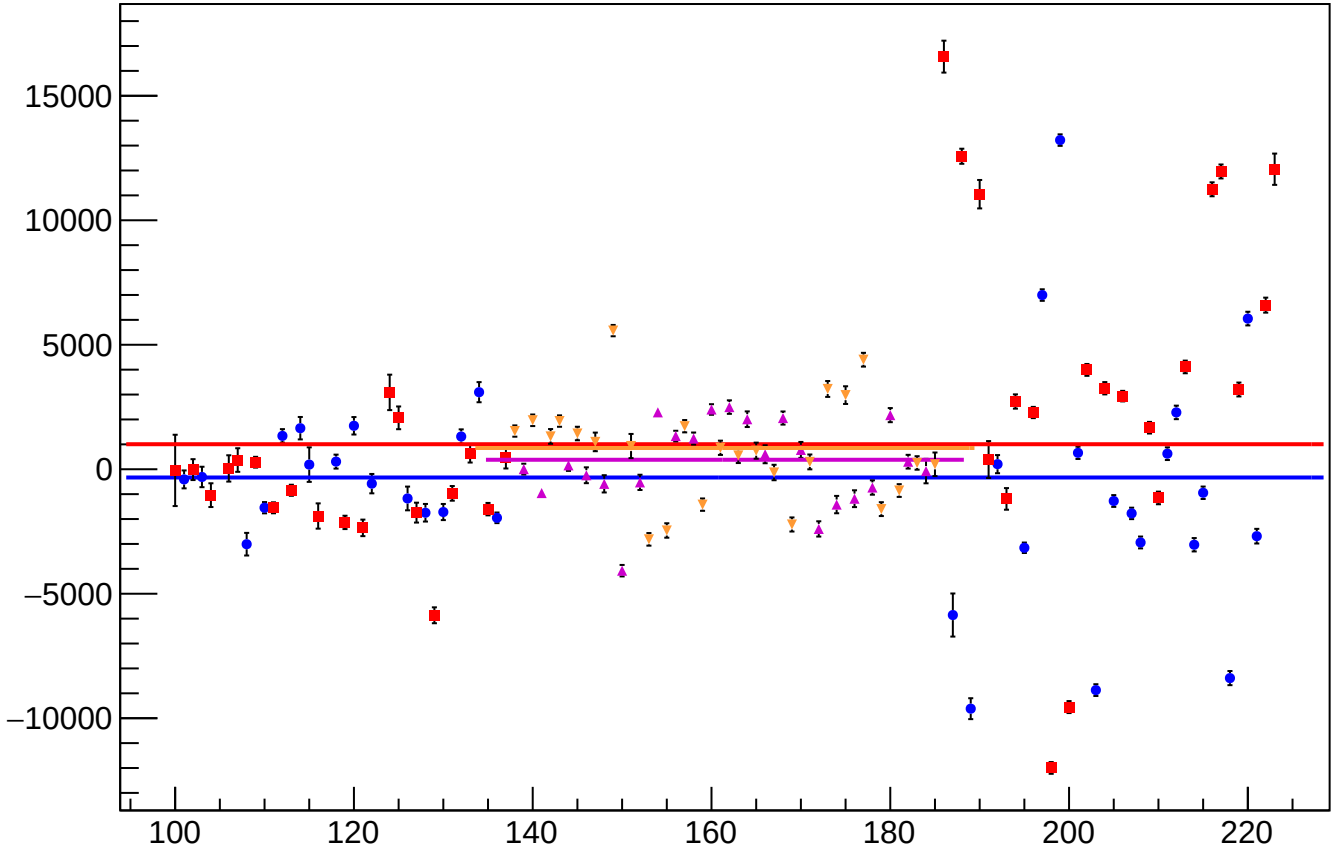
Right: 143.120+/-0.016 χ^2/NDF: 6692355.3/72

In: 145.583+/-0.017 χ^2/NDF:4833806.5/56

Out: 142.620+/-0.016 χ^2/NDF:5215558.7/63

All: 144.037+/-0.012 χ^2/NDF: 10065396.7/12

asym_bpm0l01WS_mean vs Slug, Sign Corrected



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

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

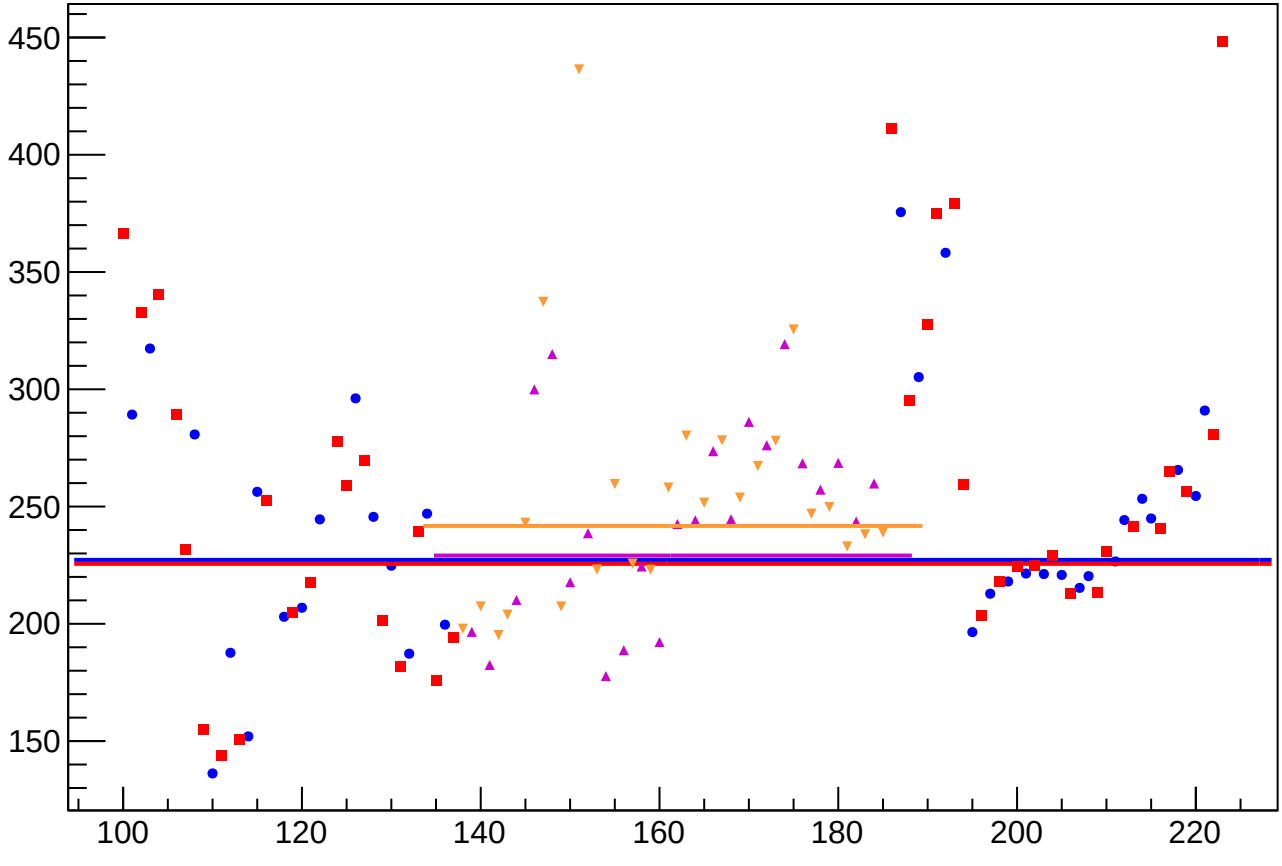
Right: 346.396+/-34.782 χ^2/NDF: 21740.8/72

In: -13.170+/-36.849 χ^2/NDF:9702.4/56

Out: 940.217+/-36.879 χ^2/NDF:14192.0/63

All: 463.140+/-26.067 χ^2/NDF: 24228.8/120

asym_bpm0l01WS_rms vs Slug, Sign Corrected



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

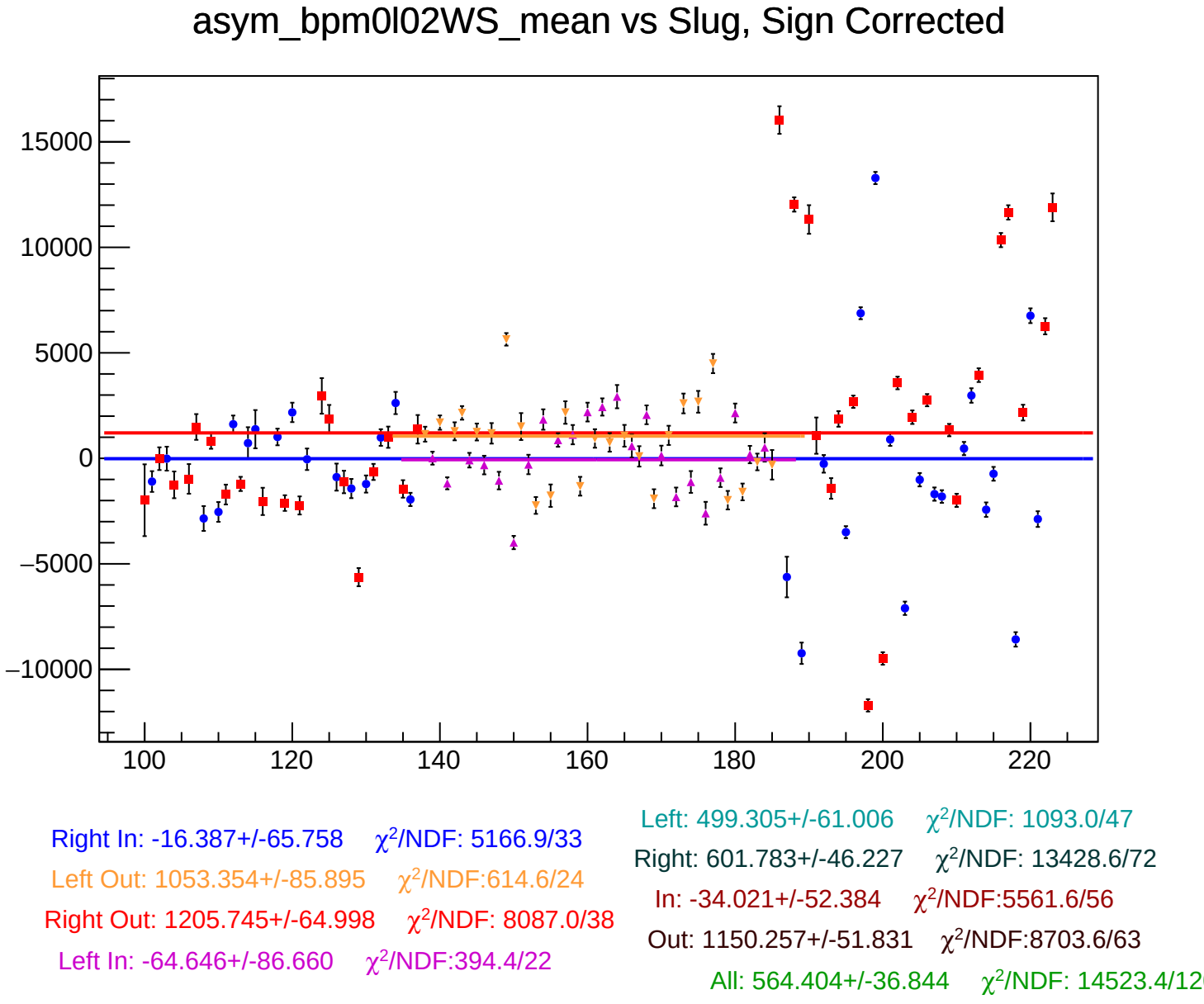
Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

Right: 226.403+/-0.025 χ^2/NDF: 3744695.4/72

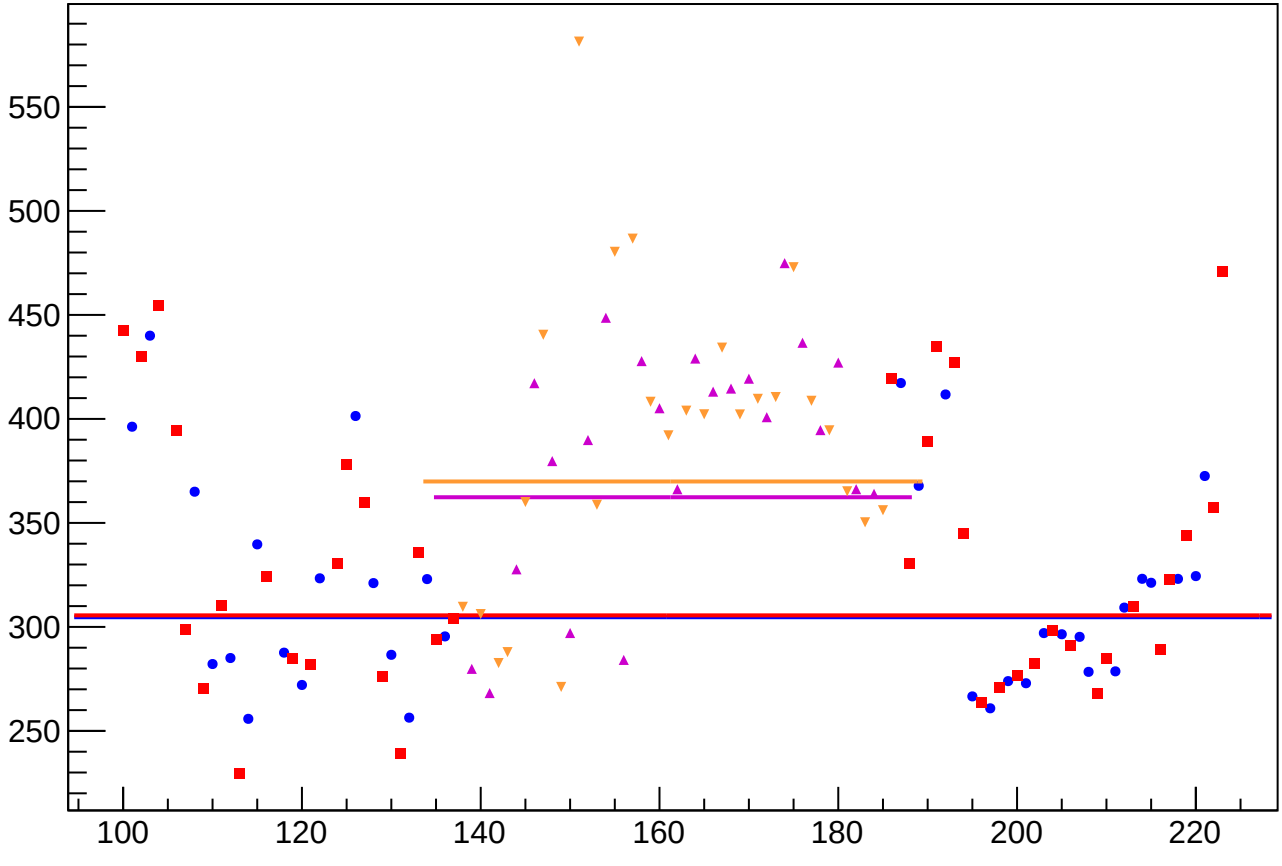
In: 228.083+/-0.026 χ^2/NDF:2466850.2/56

Out: 232.526+/-0.026 χ^2/NDF:3427565.8/63

All: 230.303+/-0.018 χ^2/NDF: 5908941.6/120


asym_bpm0l02WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -16.387+/-65.758 χ²/NDF: 5166.9/33
Left Out: 1053.354+/-85.895 χ²/NDF:614.6/24
Right Out: 1205.745+/-64.998 χ²/NDF: 8087.0/38
Left In: -64.646+/-86.660 χ²/NDF:394.4/22
Left: 499.305+/-61.006 χ²/NDF: 1093.0/47
Right: 601.783+/-46.227 χ²/NDF: 13428.6/72
In: -34.021+/-52.384 χ²/NDF:5561.6/56
Out: 1150.257+/-51.831 χ²/NDF:8703.6/63
All: 564.404+/-36.844 χ²/NDF: 14523.4/120

asym_bpm0l02WS_rms vs Slug, Sign Corrected



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

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

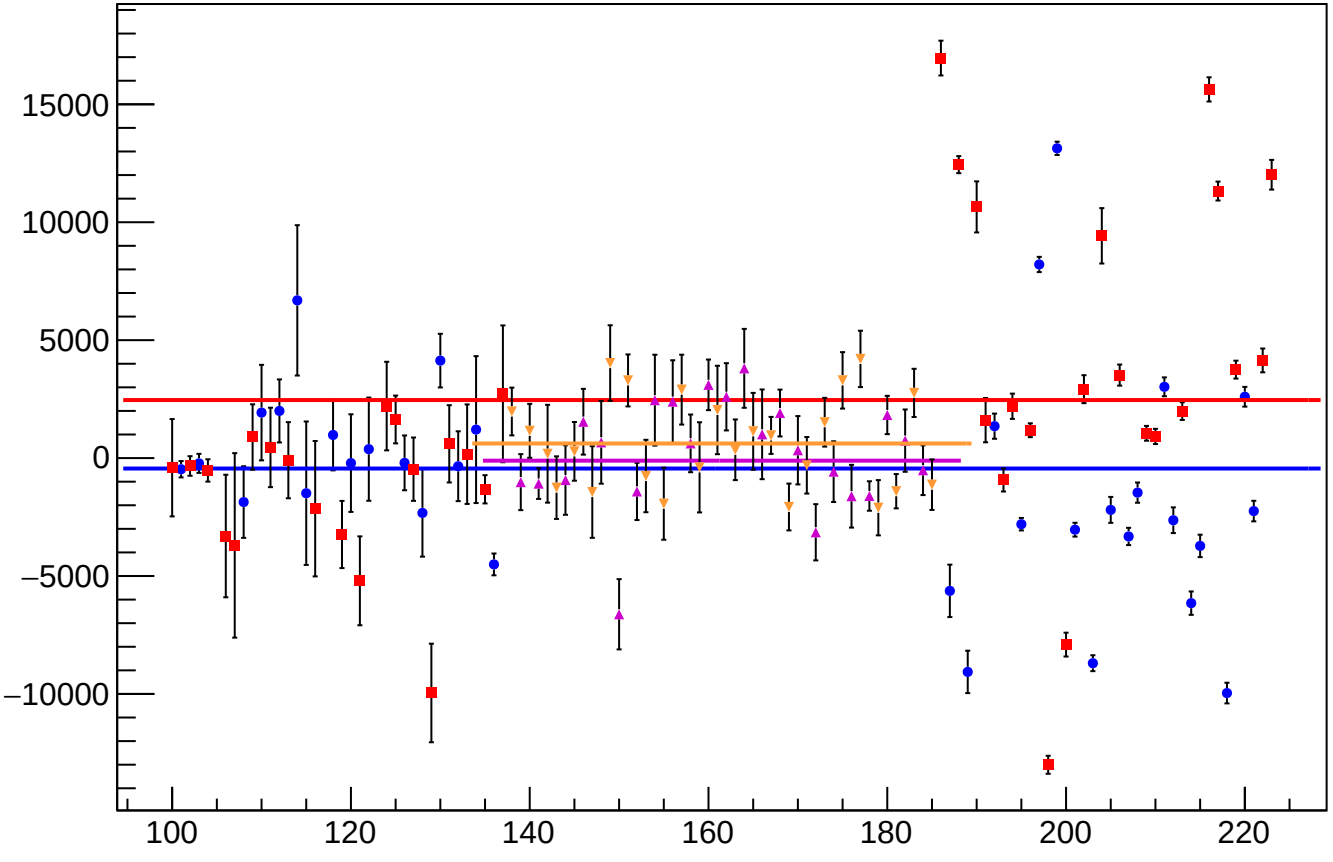
Right: 305.115+/-0.033 χ^2/NDF: 1924938.8/72

In: 325.740+/-0.037 χ^2/NDF:2383223.9/56

Out: 328.993+/-0.037 χ^2/NDF:3101607.2/63

All: 327.384+/-0.026 χ^2/NDF: 5488728.3/120

asym_bpm0l03WS_mean vs Slug, Sign Corrected



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

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

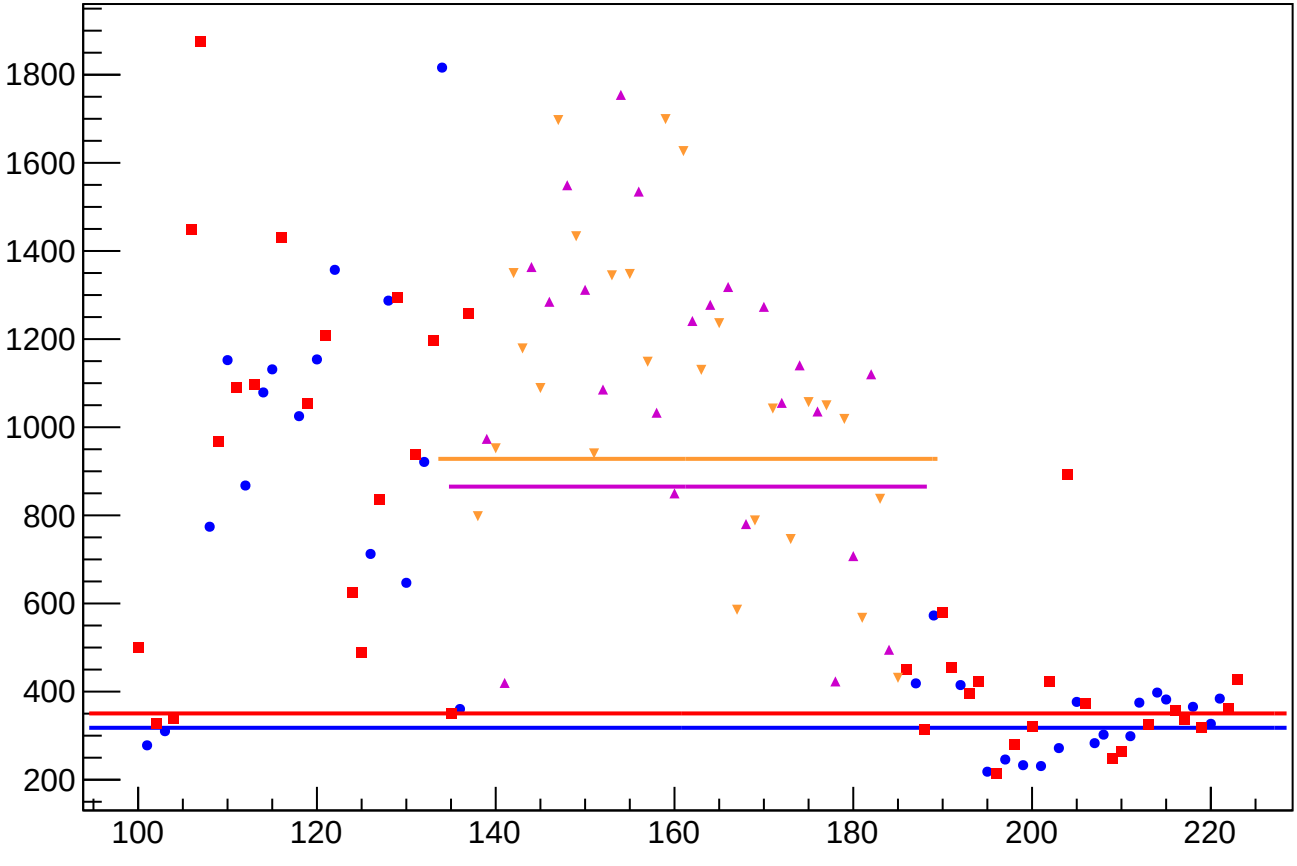
Right: 906.315+/-62.553 χ^2/NDF: 10502.1/72

In: -404.518+/-80.454 χ^2/NDF:5003.0/56

Out: 2222.211+/-85.626 χ^2/NDF:5154.6/63

All: 827.129+/-58.633 χ^2/NDF: 10657.4/120

asym_bpm0l03WS_rms vs Slug, Sign Corrected



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

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

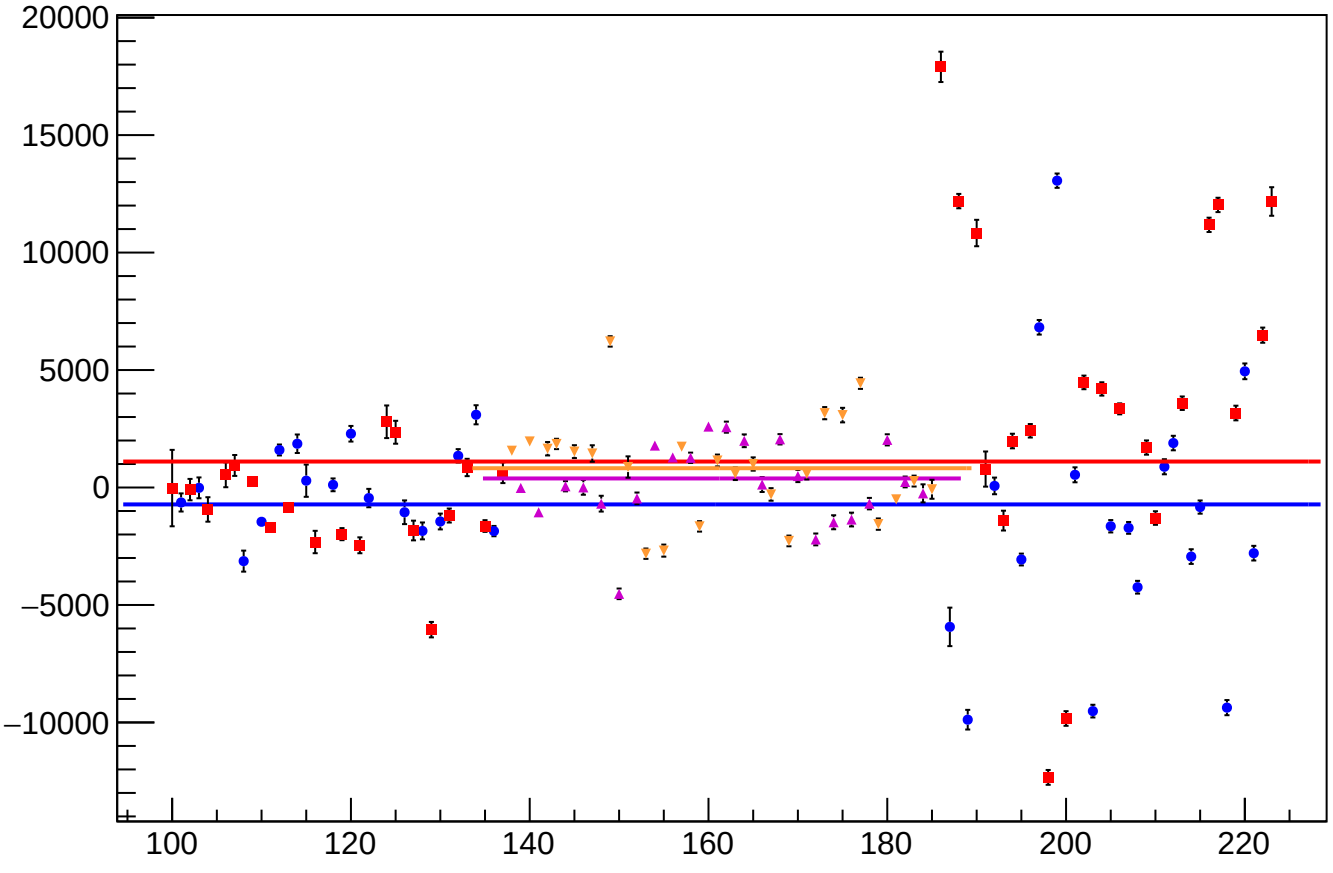
Right: 333.011+/-0.044 χ^2/NDF: 11717595.7/72

In: 380.498+/-0.057 χ^2/NDF:19546826.2/56

Out: 425.158+/-0.061 χ^2/NDF:19754599.7/63

All: 401.439+/-0.041 χ^2/NDF: 39590387.4/12

asym_bpm0l04WS_mean vs Slug, Sign Corrected



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

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

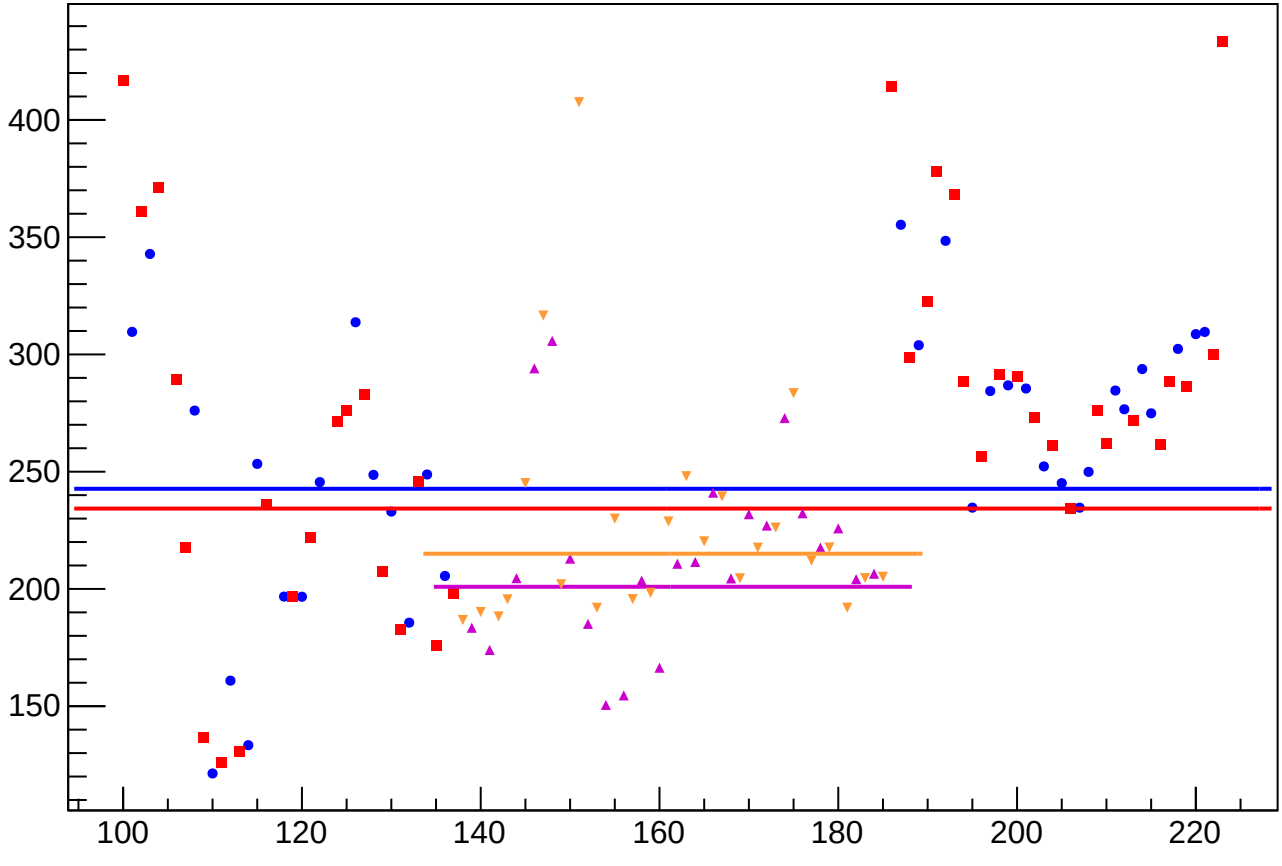
Right: 227.370+/-37.177 χ^2/NDF: 17063.2/72

In: -111.764+/-35.944 χ^2/NDF:7661.1/56

Out: 958.578+/-35.910 χ^2/NDF:12294.0/63

All: 423.921+/-25.404 χ^2/NDF: 20398.8/120

asym_bpm0l04WS_rms vs Slug, Sign Corrected



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

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

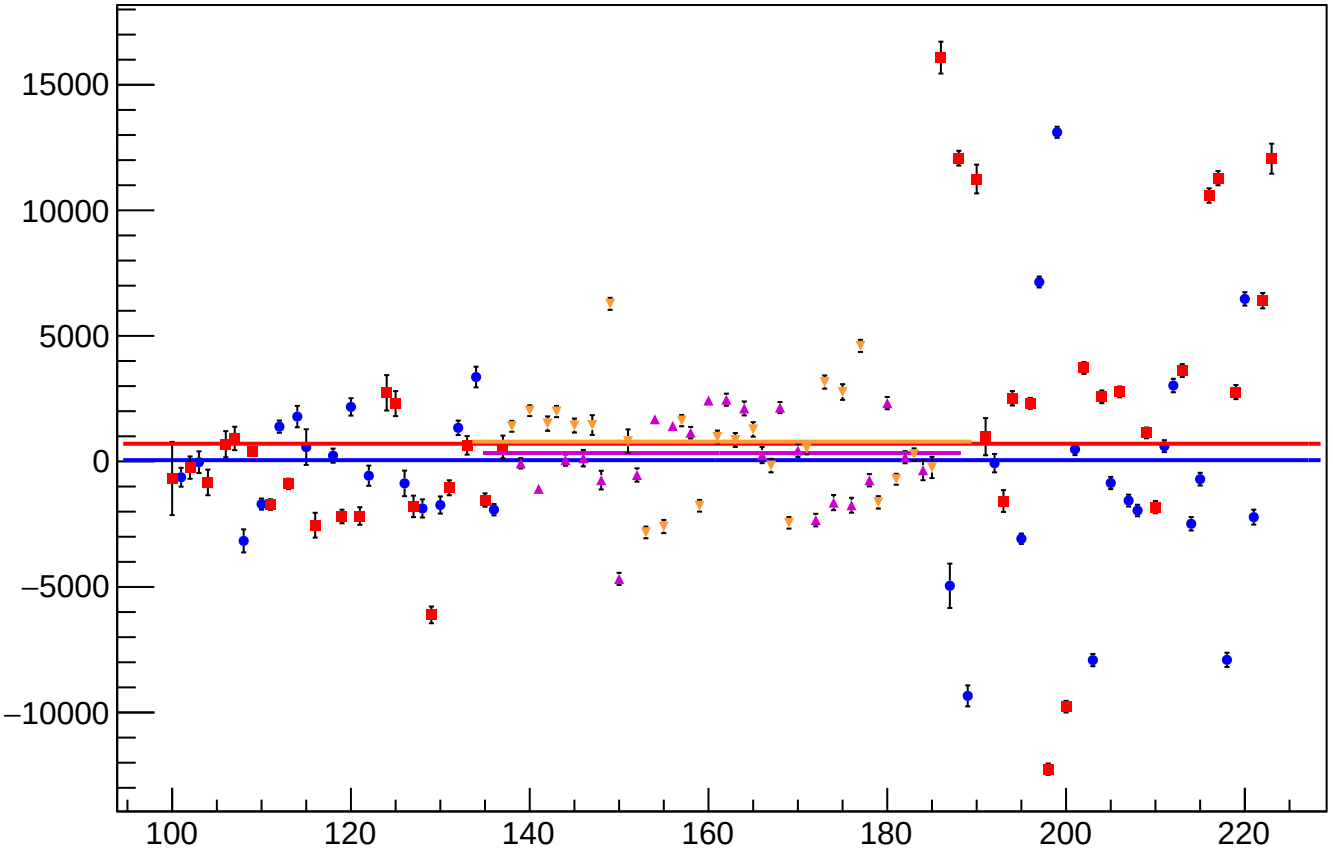
Right: 238.336+/-0.026 χ^2/NDF: 6050375.7/72

In: 219.712+/-0.025 χ^2/NDF:4099076.2/56

Out: 224.347+/-0.025 χ^2/NDF:4741977.6/63

All: 222.032+/-0.018 χ^2/NDF: 8857698.8/120

asym_bpm0l05WS_mean vs Slug, Sign Corrected



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

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

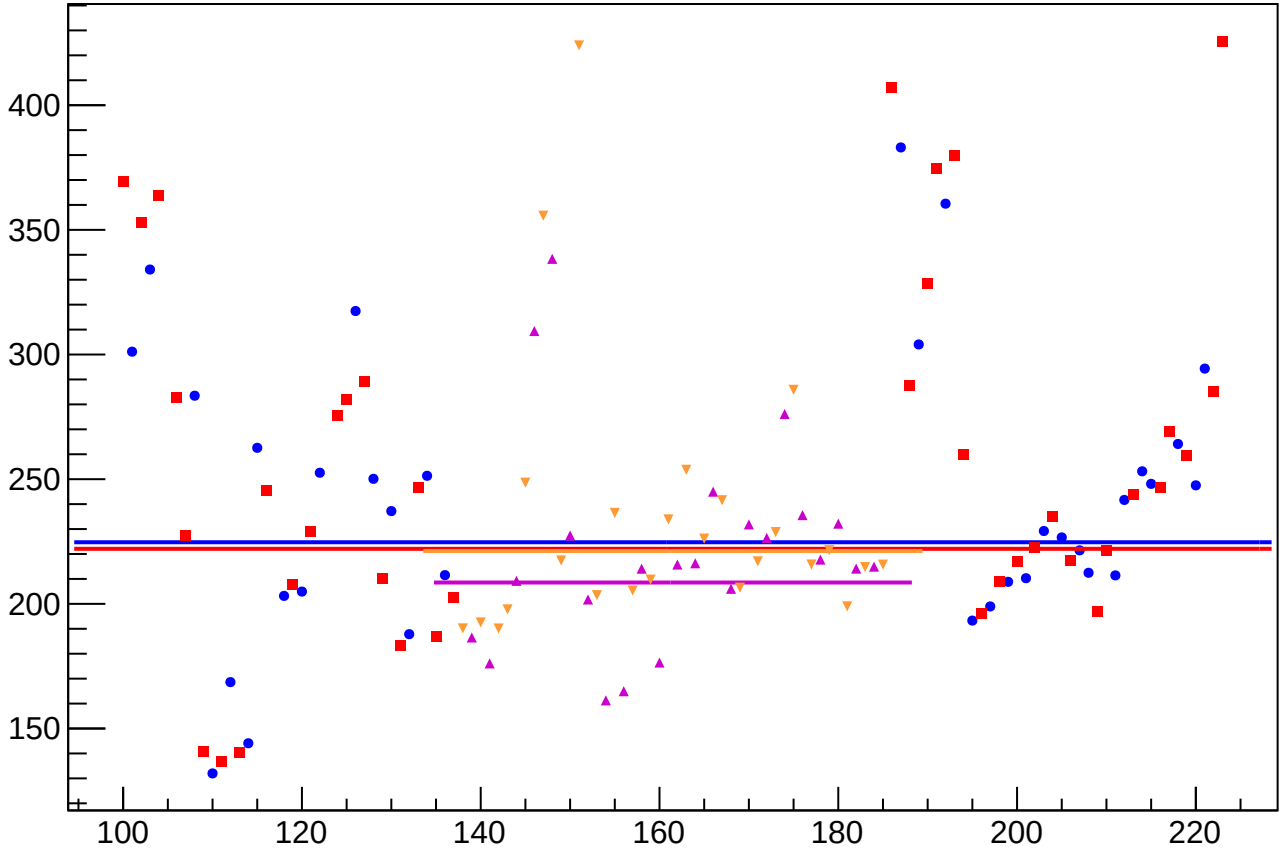
Right: 382.800+/-34.466 χ^2/NDF: 21425.1/72

In: 188.806+/-35.115 χ^2/NDF:9819.9/56

Out: 743.837+/-35.226 χ^2/NDF:14638.2/63

All: 465.443+/-24.869 χ^2/NDF: 24582.6/120

asym_bpm0l05WS_rms vs Slug, Sign Corrected



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

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

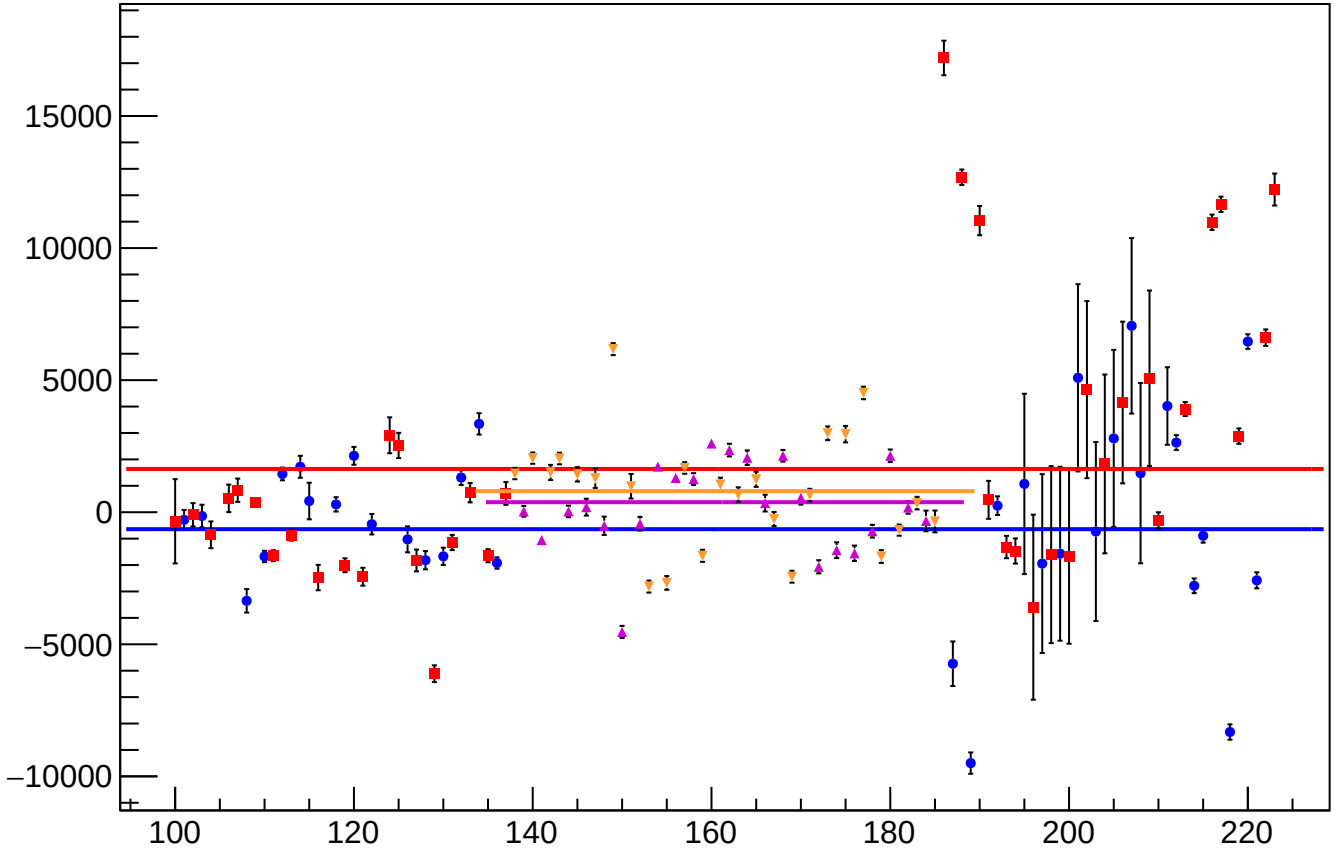
Right: 223.373+/-0.024 χ^2/NDF: 4431239.7/72

In: 216.803+/-0.025 χ^2/NDF:2806195.3/56

Out: 221.661+/-0.025 χ^2/NDF:3703353.7/63

All: 219.224+/-0.018 χ^2/NDF: 6528629.3/120

asym_bpm0l06WS_mean vs Slug, Sign Corrected



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

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

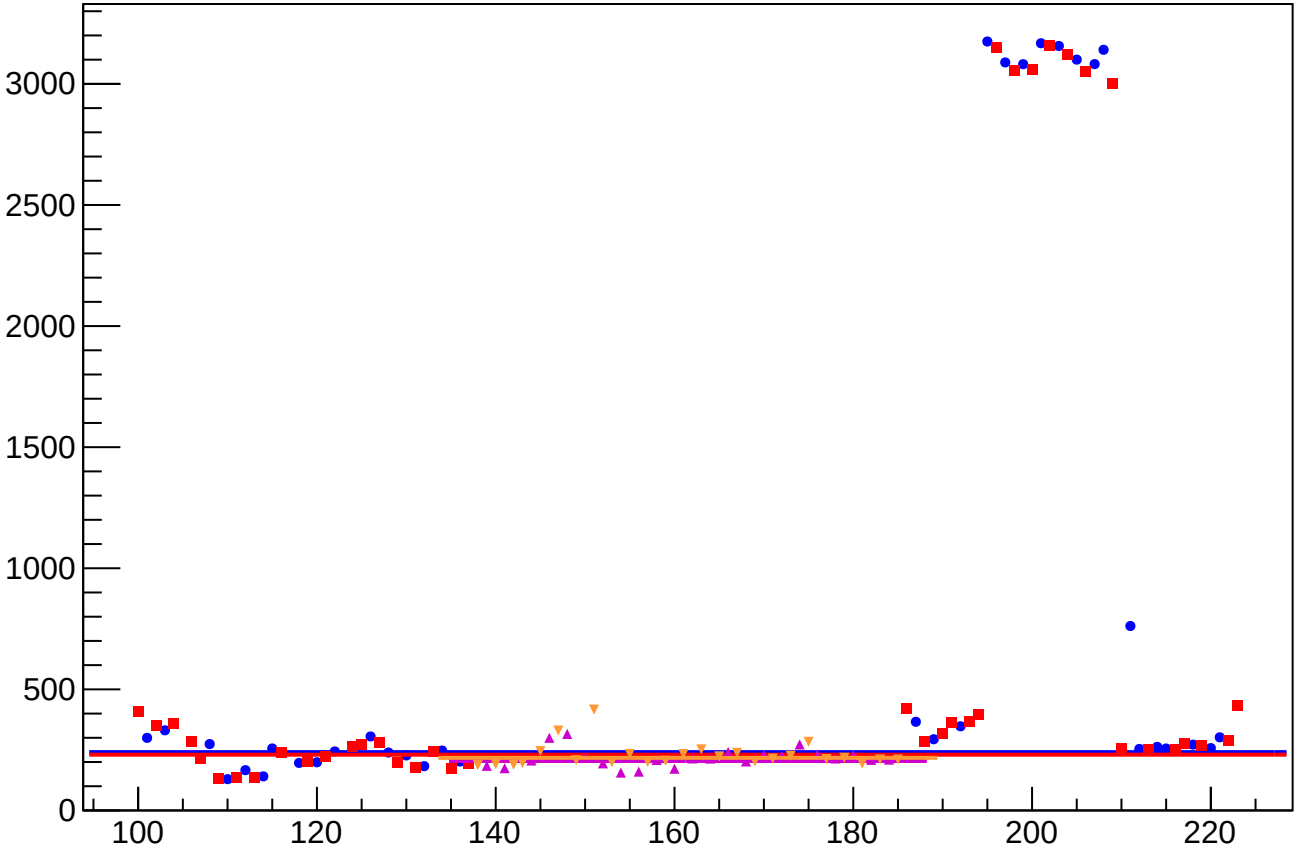
Right: 586.925+/-43.143 χ^2/NDF: 10433.0/72

In: -3.154+/-38.892 χ^2/NDF:3945.7/56

Out: 1154.573+/-38.300 χ^2/NDF:9234.6/63

All: 584.587+/-27.289 χ^2/NDF: 13630.2/120

asym_bpm0l06WS_rms vs Slug, Sign Corrected



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

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

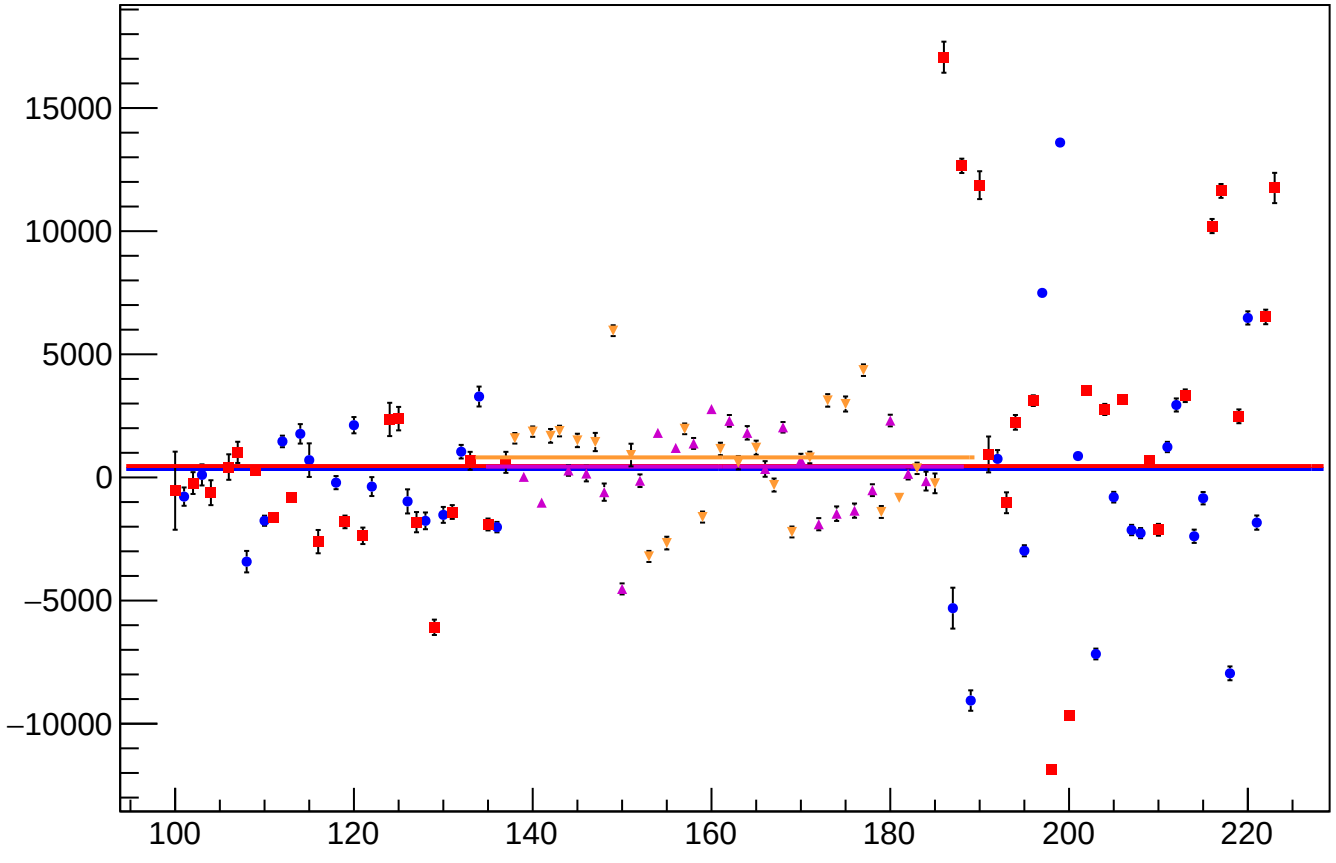
Right: 235.149+/-0.031 χ^2/NDF: 27121675.6/72

In: 217.993+/-0.028 χ^2/NDF:14932728.2/56

Out: 222.773+/-0.027 χ^2/NDF:14554856.5/63

All: 220.420+/-0.019 χ^2/NDF: 29502919.6/12

asym_bpm0l07WS_mean vs Slug, Sign Corrected



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

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

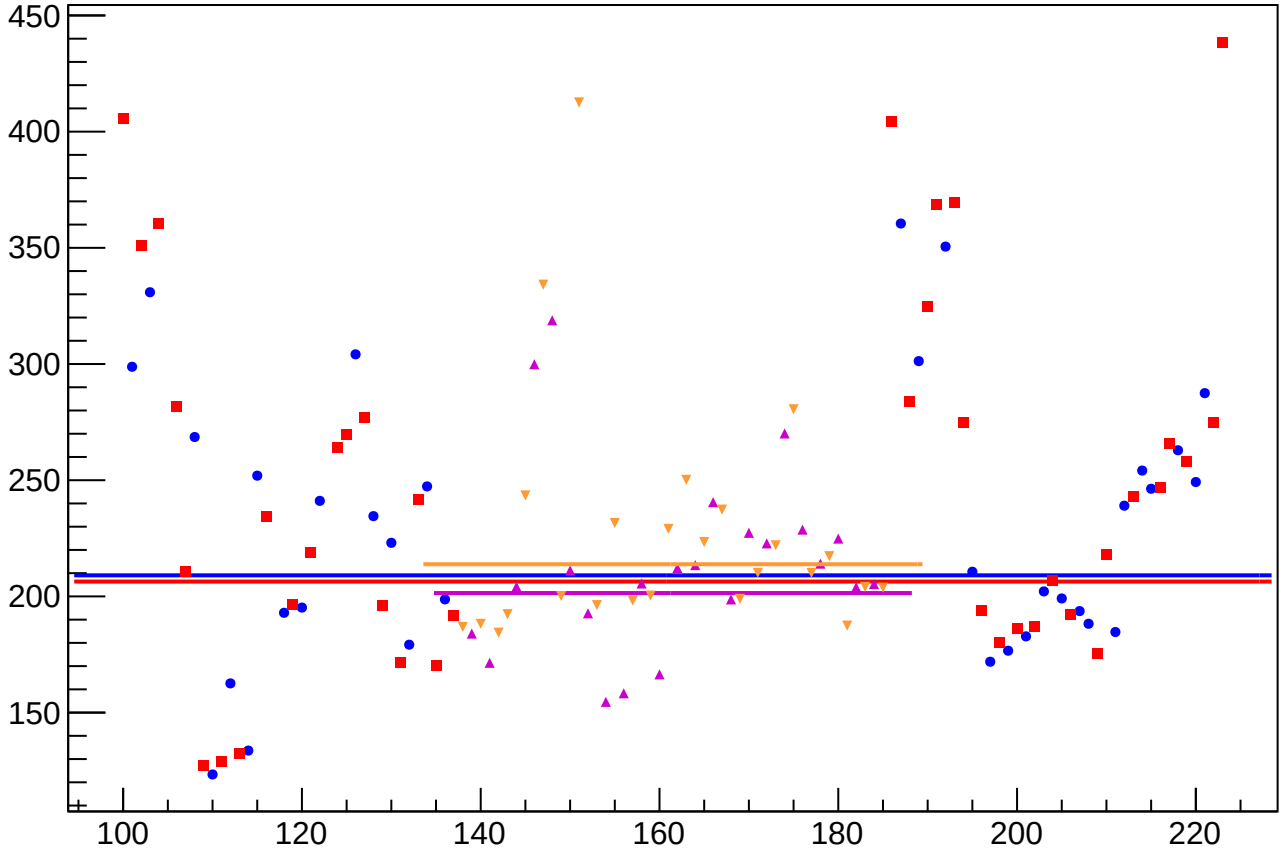
Right: 403.513+/-32.377 χ^2/NDF: 25628.7/72

In: 388.826+/-33.454 χ^2/NDF:12045.7/56

Out: 622.198+/-33.543 χ^2/NDF:16844.3/63

All: 505.204+/-23.687 χ^2/NDF: 28914.3/120

asym_bpm0l07WS_rms vs Slug, Sign Corrected



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

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

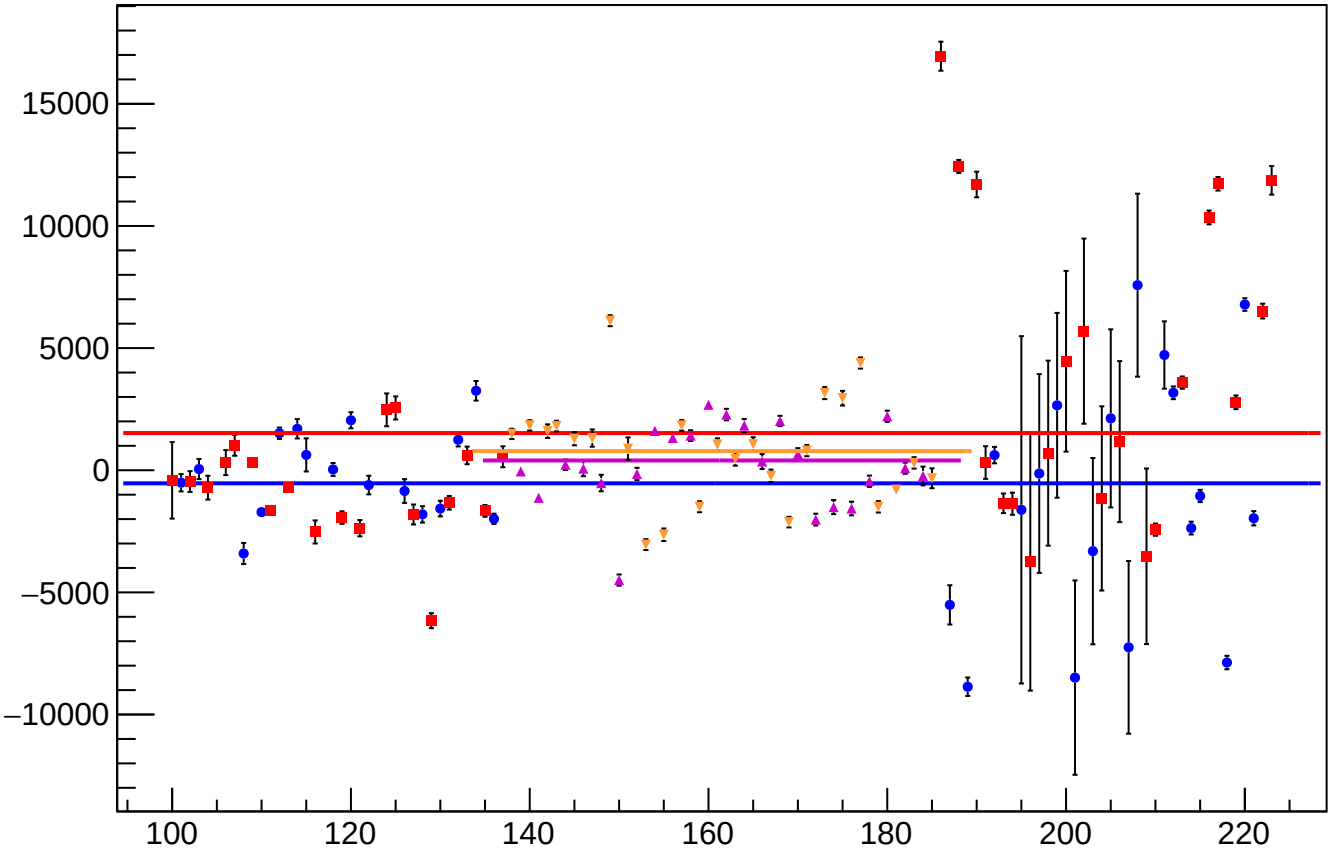
Right: 207.703+/-0.023 χ^2/NDF: 5468810.3/72

In: 205.446+/-0.024 χ^2/NDF:3173226.2/56

Out: 209.776+/-0.024 χ^2/NDF:4368147.6/63

All: 207.605+/-0.017 χ^2/NDF: 7558076.8/120

asym_bpm0l08WS_mean vs Slug, Sign Corrected



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

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

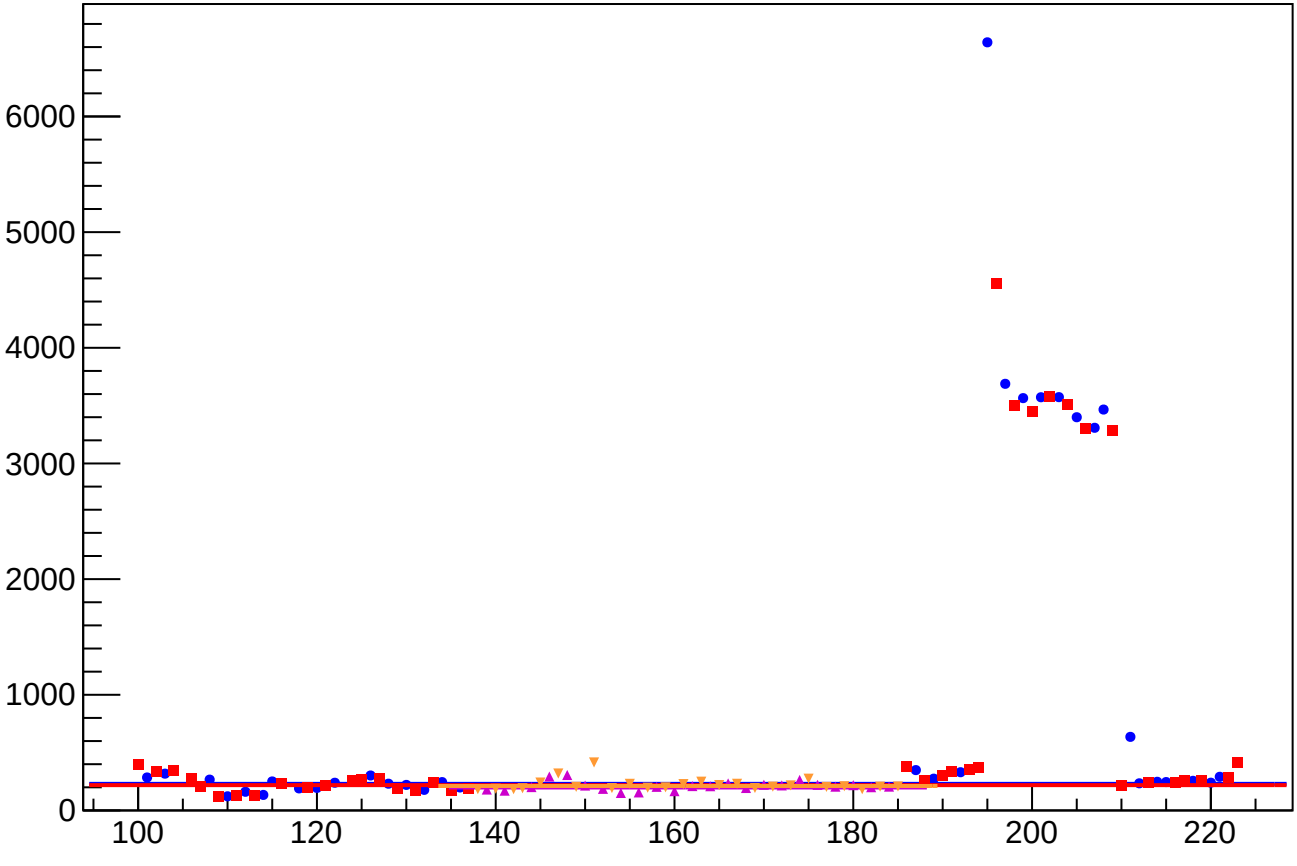
Right: 579.672+/-41.320 χ^2/NDF: 11365.7/72

In: 43.990+/-37.647 χ^2/NDF:4191.8/56

Out: 1103.976+/-36.997 χ^2/NDF:10035.0/63

All: 583.213+/-26.388 χ^2/NDF: 14630.1/120

asym_bpm0l08WS_rms vs Slug, Sign Corrected



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

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

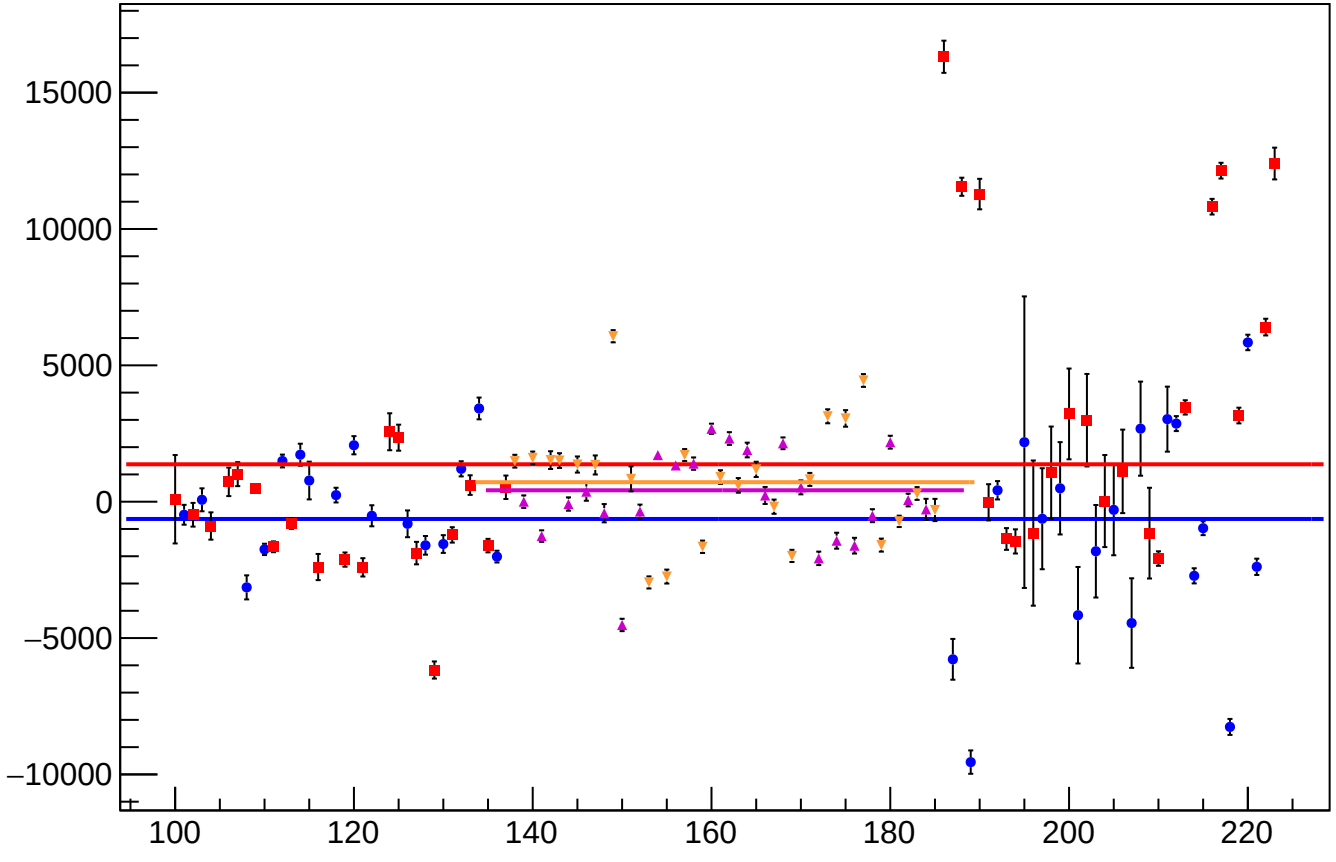
Right: 223.949+/-0.029 χ^2/NDF: 27793762.4/72

In: 210.460+/-0.027 χ^2/NDF:15214999.0/56

Out: 214.715+/-0.026 χ^2/NDF:14832371.2/63

All: 212.625+/-0.019 χ^2/NDF: 30060363.5/12

asym_bpm0l09WS_mean vs Slug, Sign Corrected



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

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

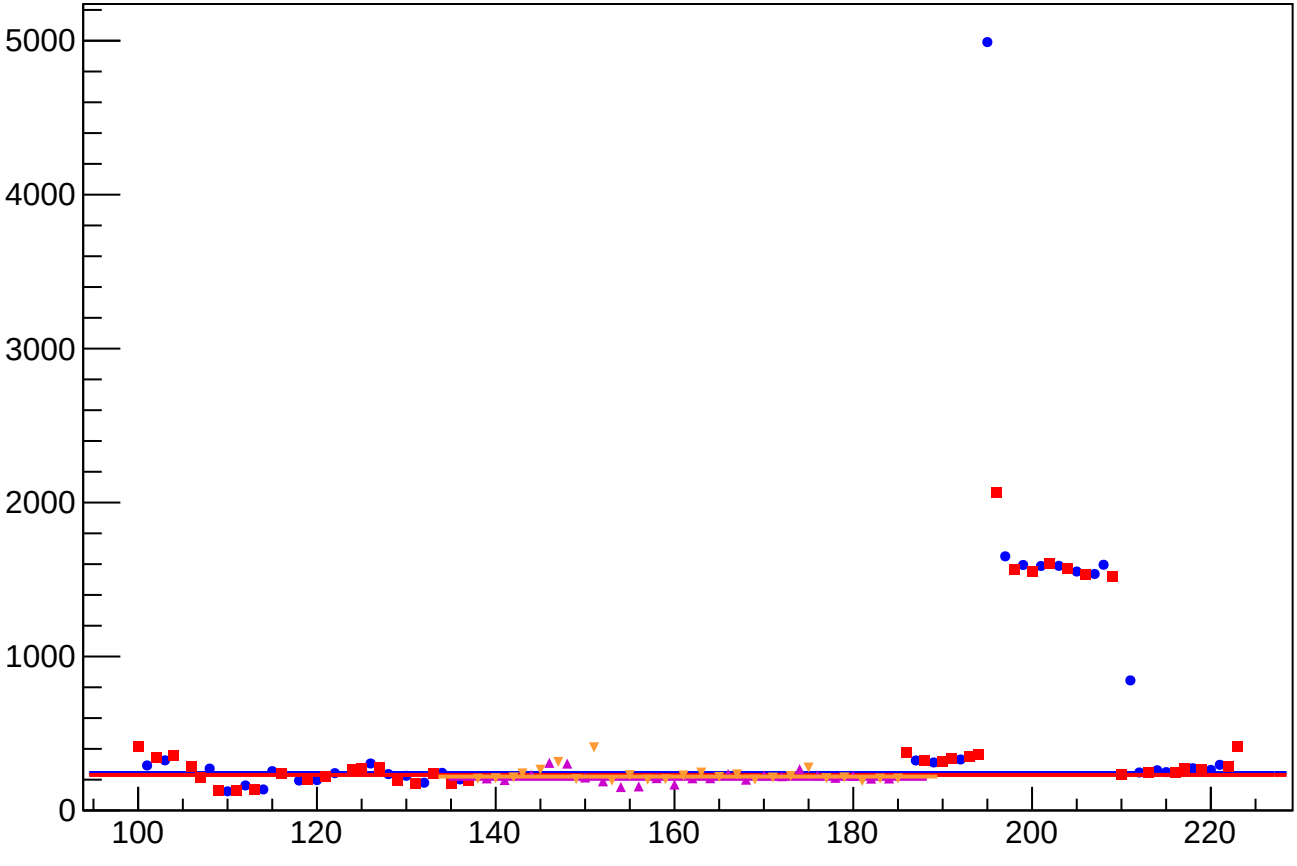
Right: 450.337+/-42.335 χ^2/NDF: 10017.9/72

In: 12.495+/-38.802 χ^2/NDF:3843.2/56

Out: 1004.803+/-38.227 χ^2/NDF:9023.3/63

All: 516.049+/-27.232 χ^2/NDF: 13198.4/120

asym_bpm0l09WS_rms vs Slug, Sign Corrected



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

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

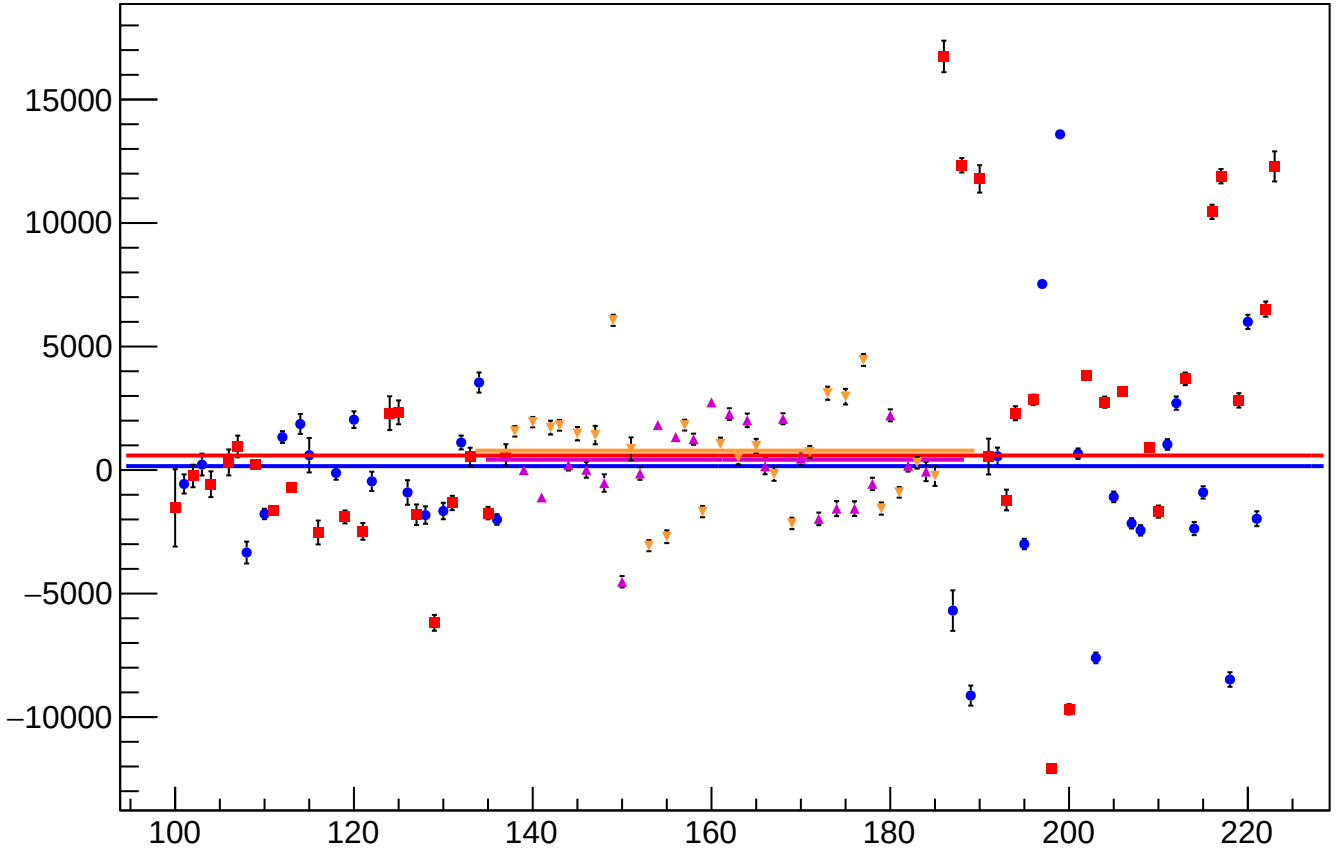
Right: 236.415+/-0.030 χ^2/NDF: 24465337.2/72

In: 220.035+/-0.027 χ^2/NDF:13891893.0/56

Out: 224.780+/-0.027 χ^2/NDF:12828421.9/63

All: 222.443+/-0.019 χ^2/NDF: 26735490.3/12

asym_bpm0l10WS_mean vs Slug, Sign Corrected



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

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

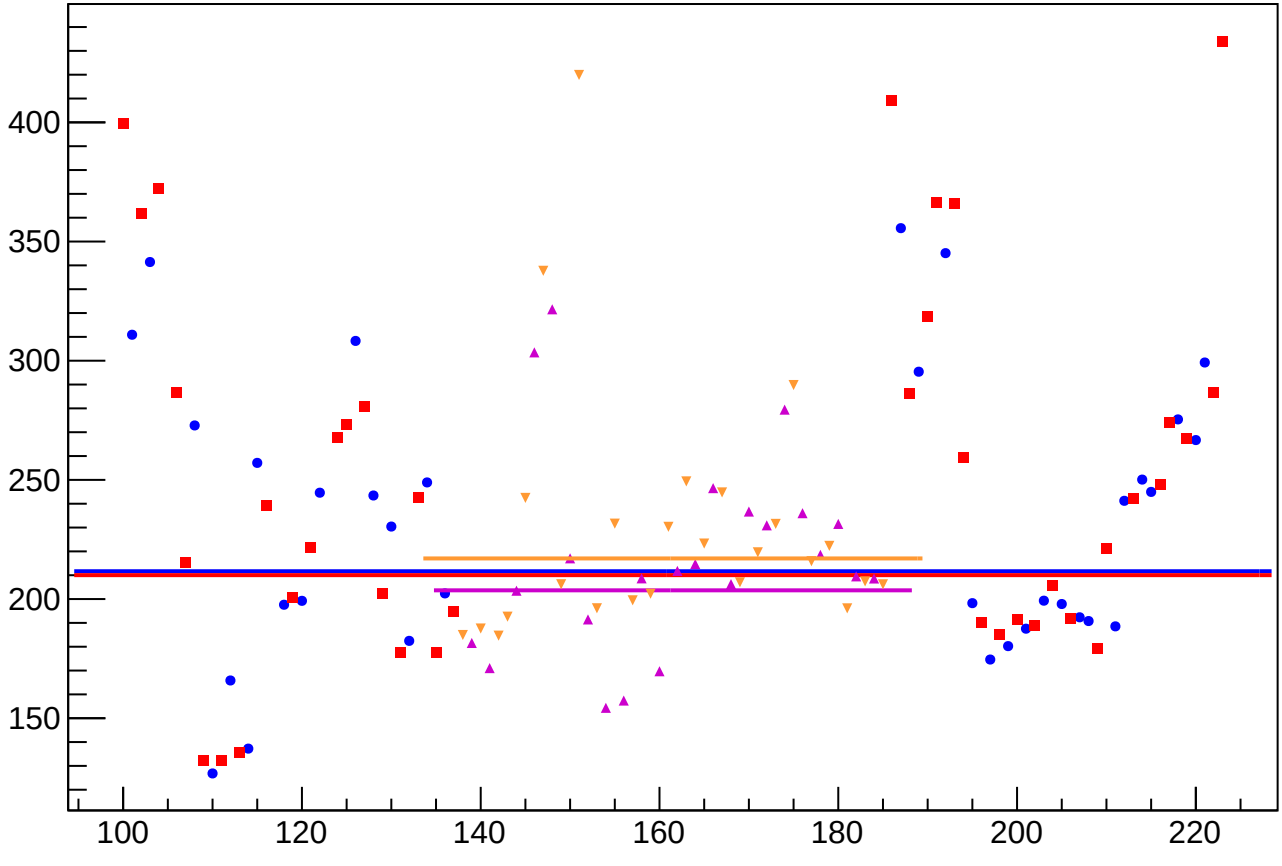
Right: 377.120+/-32.854 χ^2/NDF: 25125.6/72

In: 282.682+/-33.881 χ^2/NDF:11884.1/56

Out: 679.180+/-34.080 χ^2/NDF:16370.3/63

All: 479.769+/-24.028 χ^2/NDF: 28322.5/120

asym_bpm0l10WS_rms vs Slug, Sign Corrected



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

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

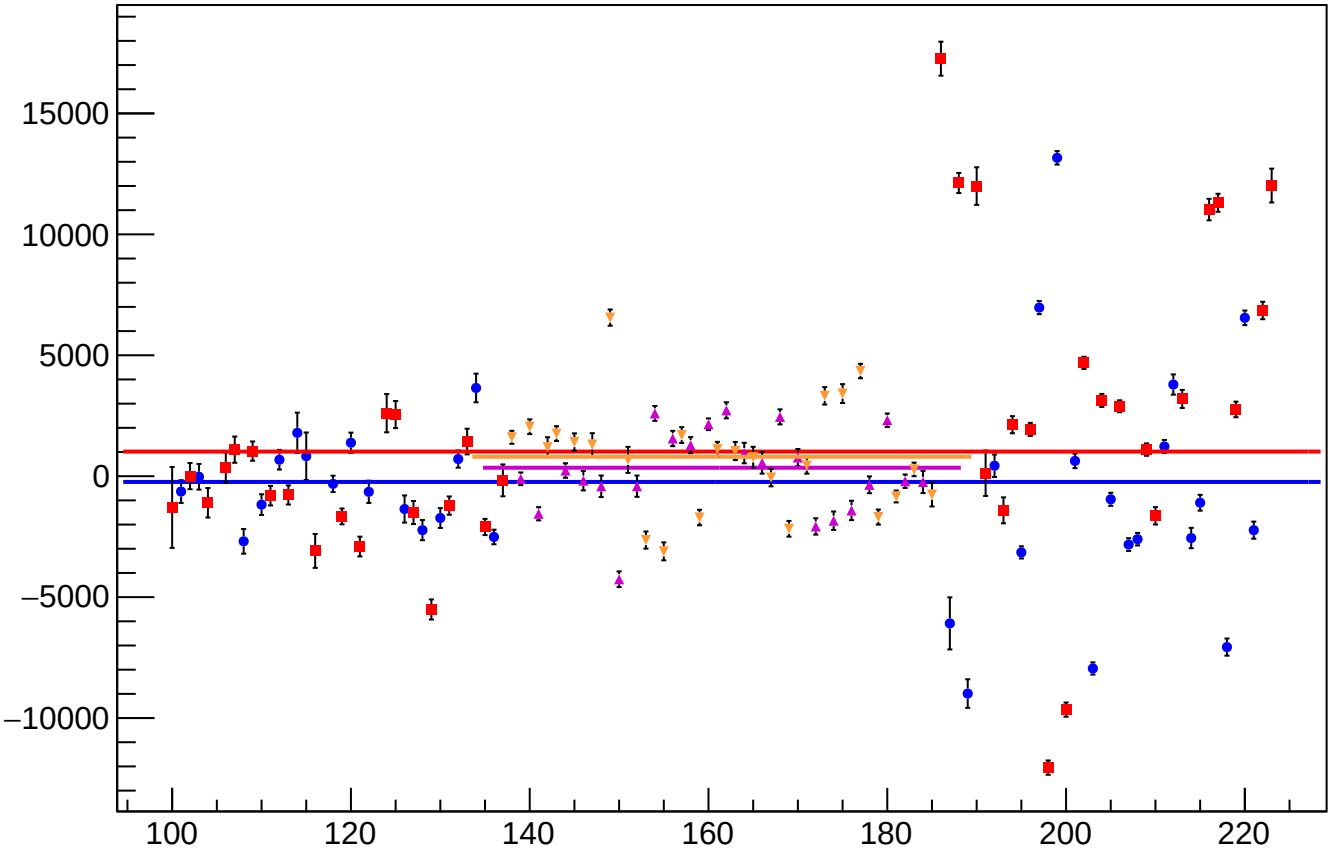
Right: 210.838+/-0.023 χ^2/NDF: 5311434.0/72

In: 207.863+/-0.024 χ^2/NDF:3277279.6/56

Out: 213.219+/-0.024 χ^2/NDF:4230267.4/63

All: 210.525+/-0.017 χ^2/NDF: 7532390.5/120

asym_bpm0r03WS_mean vs Slug, Sign Corrected



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

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

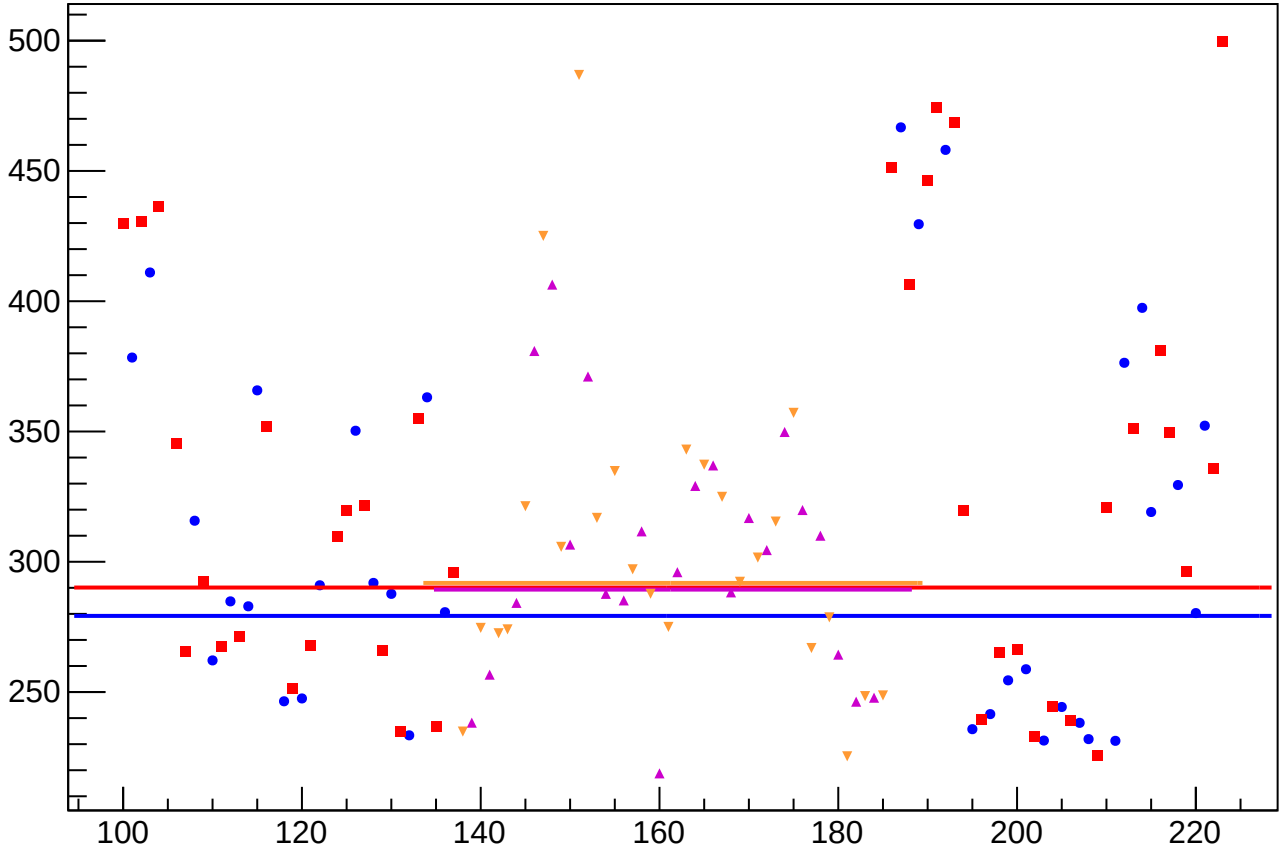
Right: 376.784+/-44.073 χ^2/NDF: 13633.3/72

In: 23.581+/-45.969 χ^2/NDF:6480.0/56

Out: 918.768+/-46.128 χ^2/NDF:8709.9/63

All: 469.628+/-32.561 χ^2/NDF: 15378.9/120

asym_bpm0r03WS_rms vs Slug, Sign Corrected



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

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

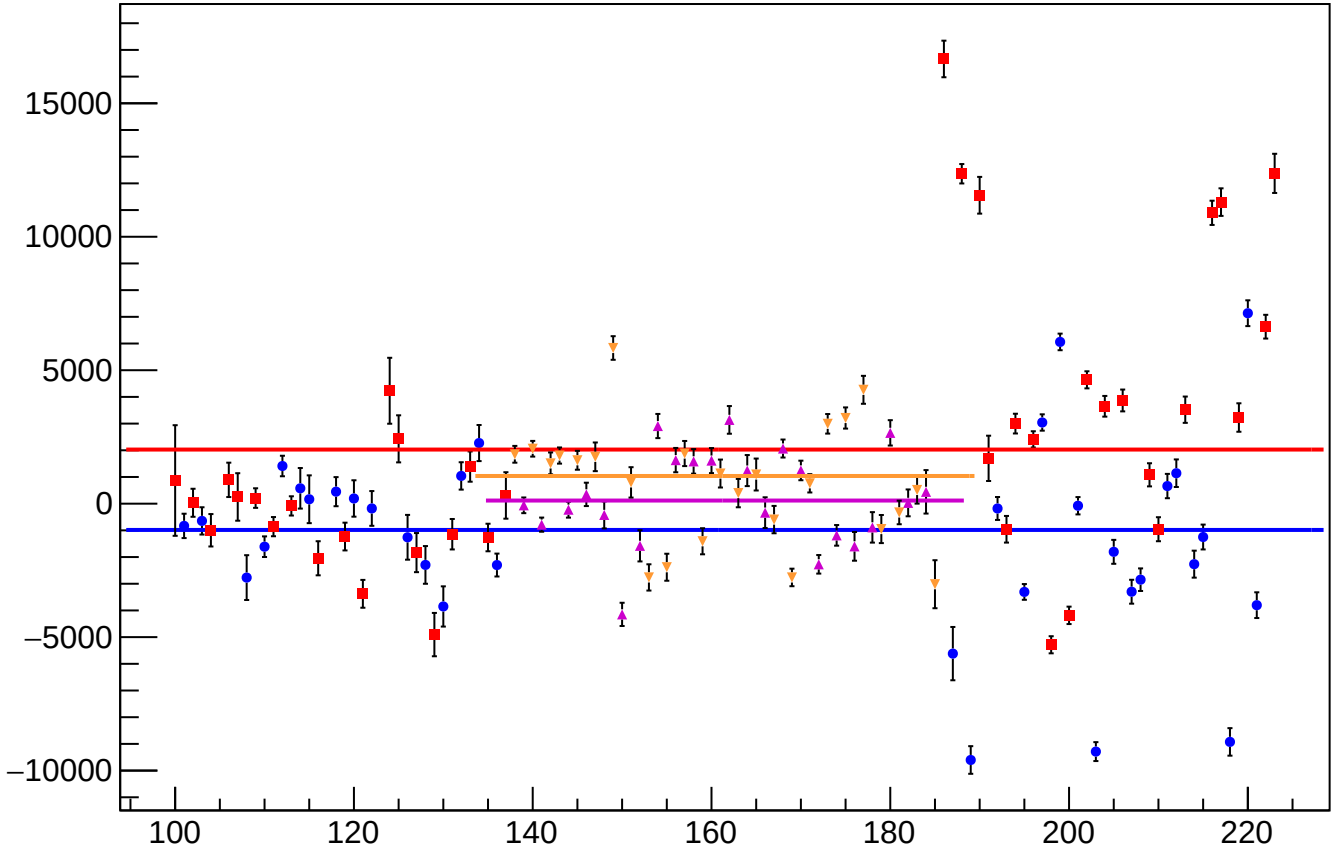
Right: 284.549+/-0.031 χ^2/NDF: 3750133.5/72

In: 283.709+/-0.033 χ^2/NDF:2523685.2/56

Out: 290.933+/-0.033 χ^2/NDF:2989037.2/63

All: 287.309+/-0.023 χ^2/NDF: 5537334.0/120

asym_bpm0r05WS_mean vs Slug, Sign Corrected



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

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

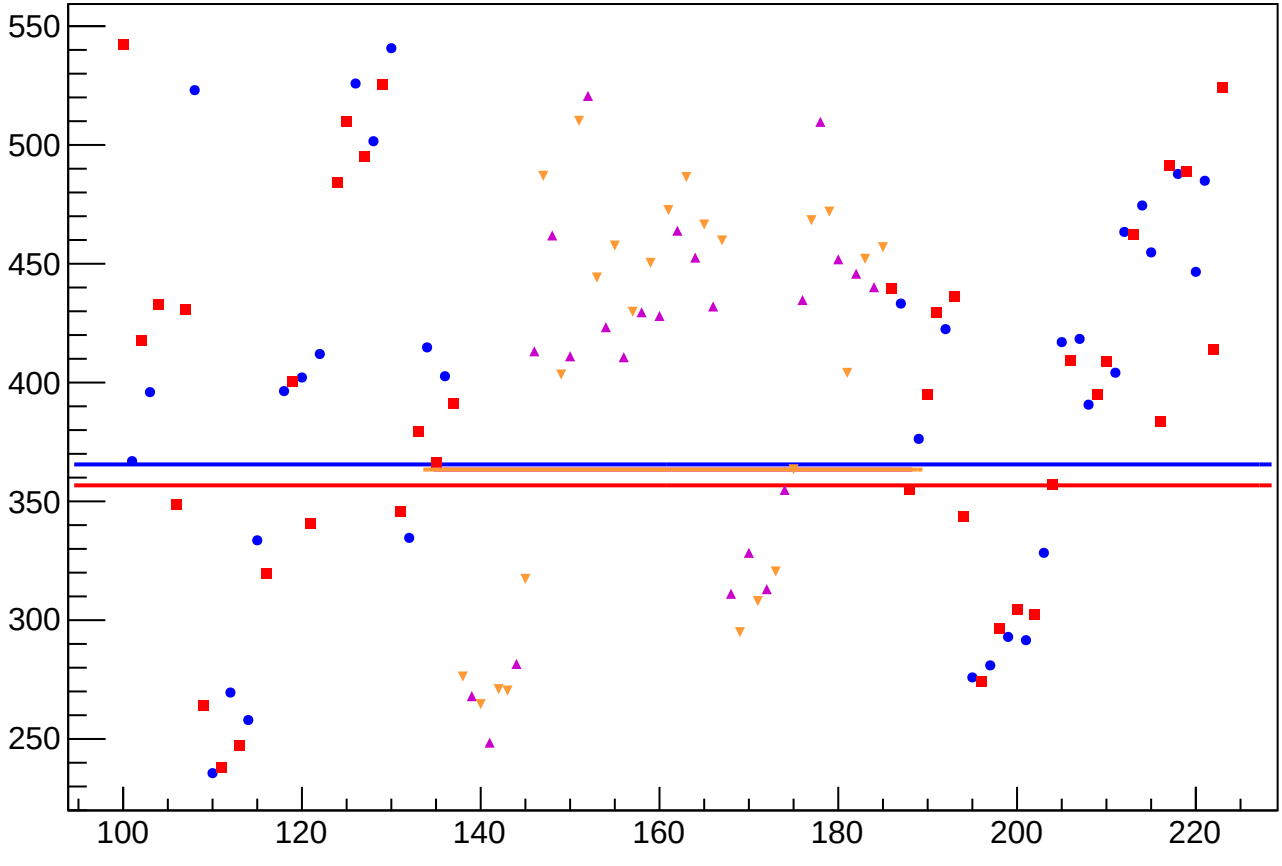
Right: 584.938+/-55.392 χ^2/NDF: 7215.4/72

In: -482.288+/-59.046 χ^2/NDF:2834.8/56

Out: 1583.978+/-57.019 χ^2/NDF:4744.4/63

All: 586.916+/-41.017 χ^2/NDF: 8212.8/120

asym_bpm0r05WS_rms vs Slug, Sign Corrected



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

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

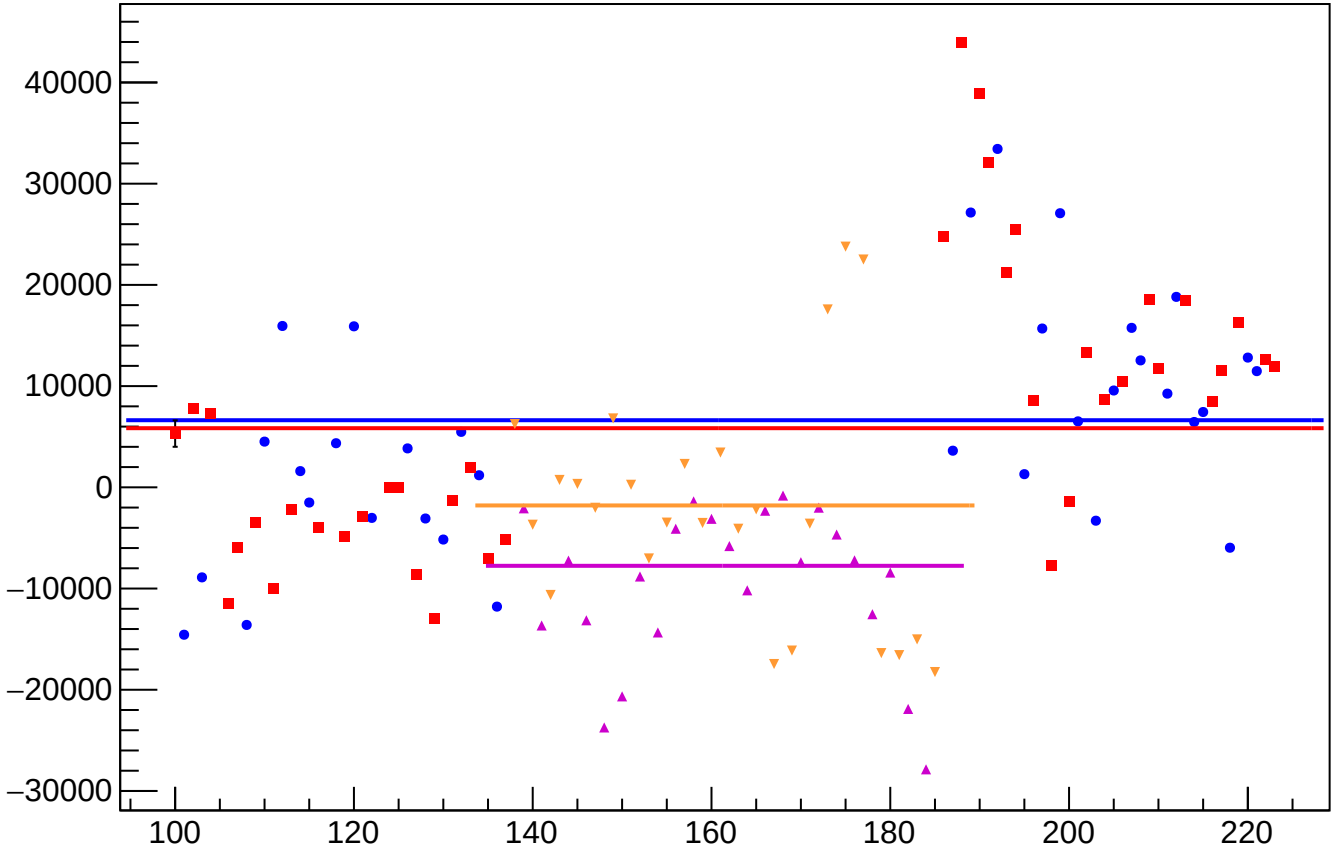
Right: 360.958+/-0.039 χ^2/NDF: 3905502.6/72

In: 364.563+/-0.042 χ^2/NDF:3716226.7/56

Out: 359.716+/-0.040 χ^2/NDF:3836134.7/63

All: 362.055+/-0.029 χ^2/NDF: 7559335.6/120

asym_bpm0i02WS_mean vs Slug, Sign Corrected



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

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

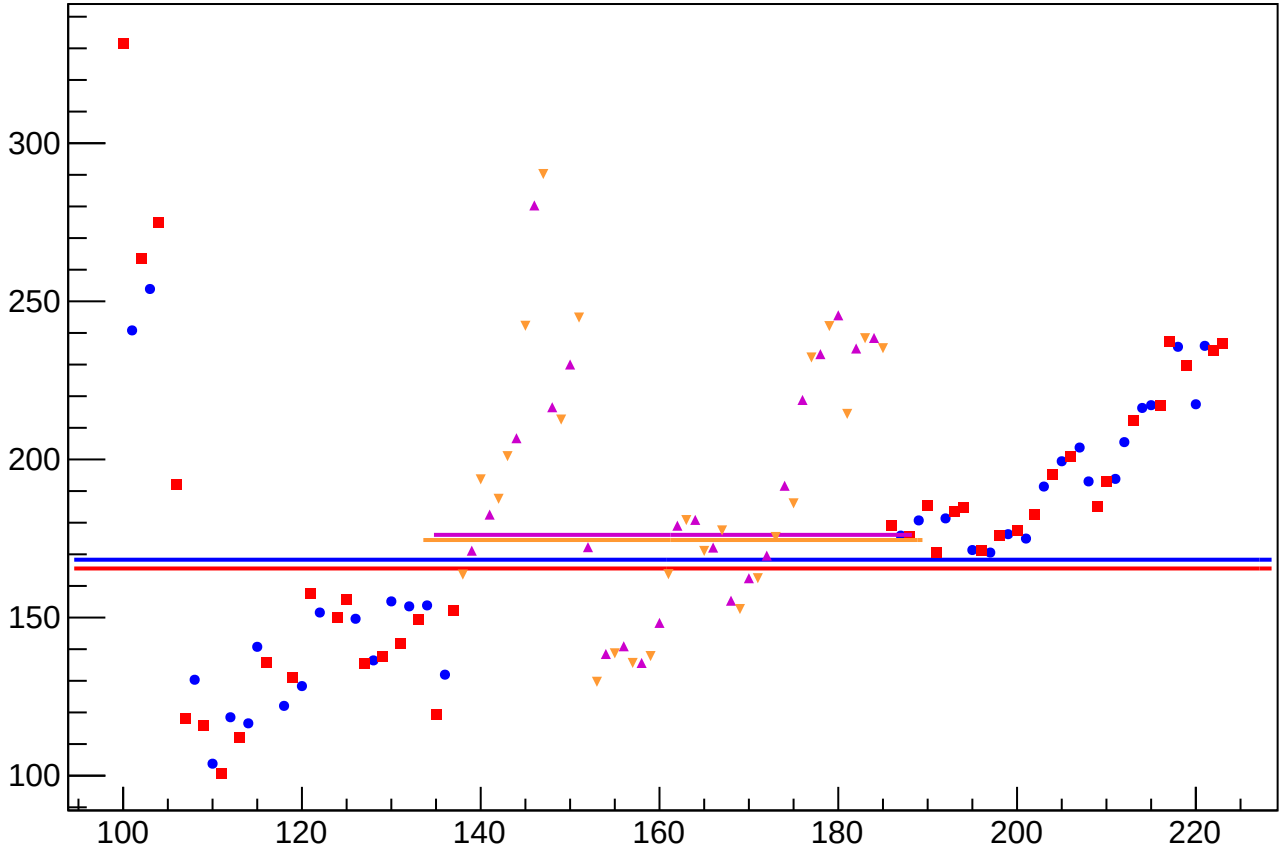
Right: 6223.469+/-25.794 χ^2/NDF: 251263.6/72

In: 422.744+/-27.966 χ^2/NDF:188479.9/56

Out: 2522.348+/-26.981 χ^2/NDF:236147.9/63

All: 1510.155+/-19.417 χ^2/NDF: 427547.2/12

asym_bpm0i02WS_rms vs Slug, Sign Corrected



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

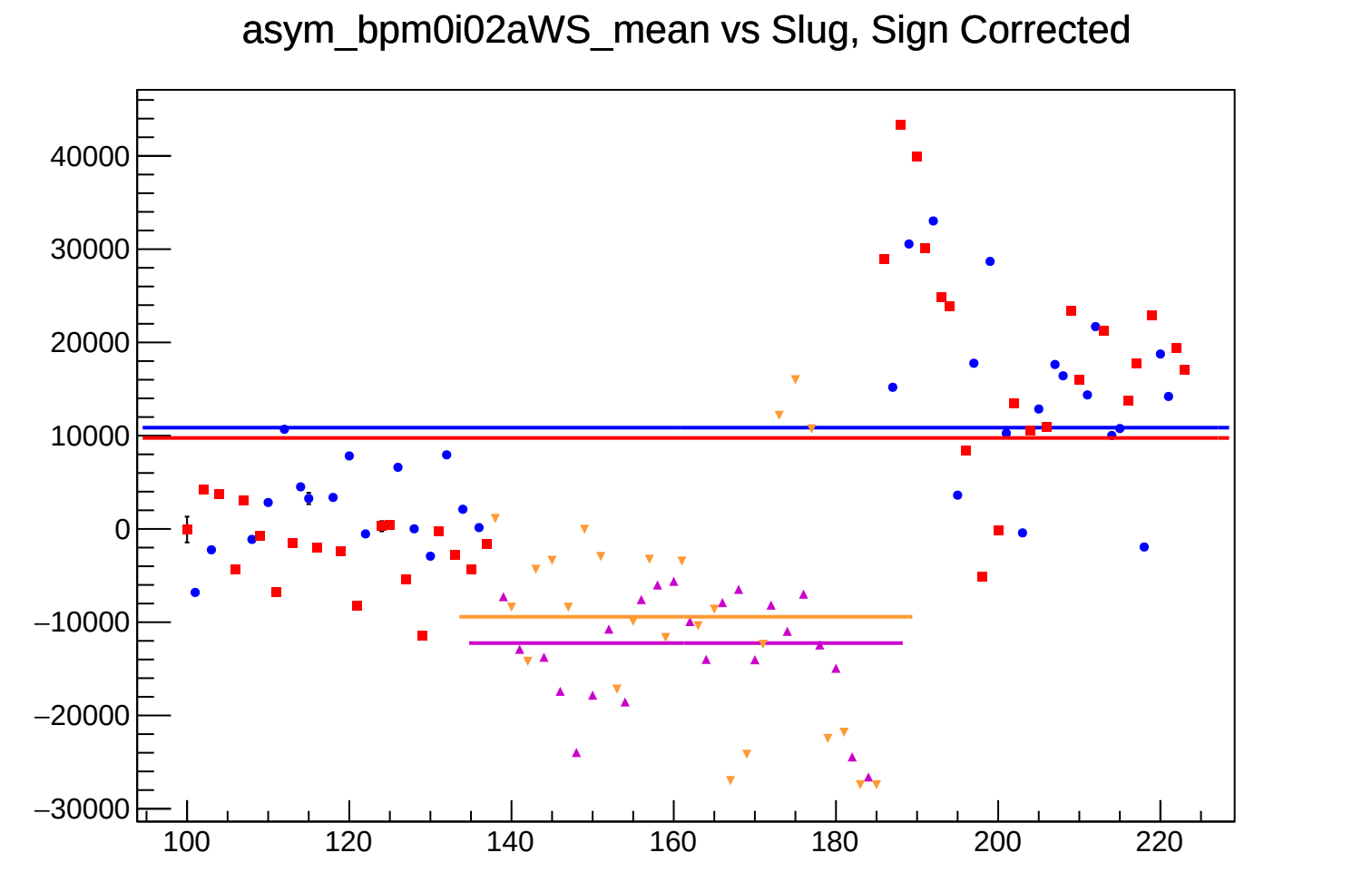
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 166.863+/-0.018 χ^2/NDF: 4604393.2/72

In: 171.688+/-0.020 χ^2/NDF:3492093.3/56

Out: 169.435+/-0.019 χ^2/NDF:4226473.2/63

All: 170.521+/-0.014 χ^2/NDF: 7725285.7/120



Right In: 10861.637+/-40.183 χ^2/NDF: 60668.8/33

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 9757.126+/-38.977 χ^2/NDF: 125104.1/38

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

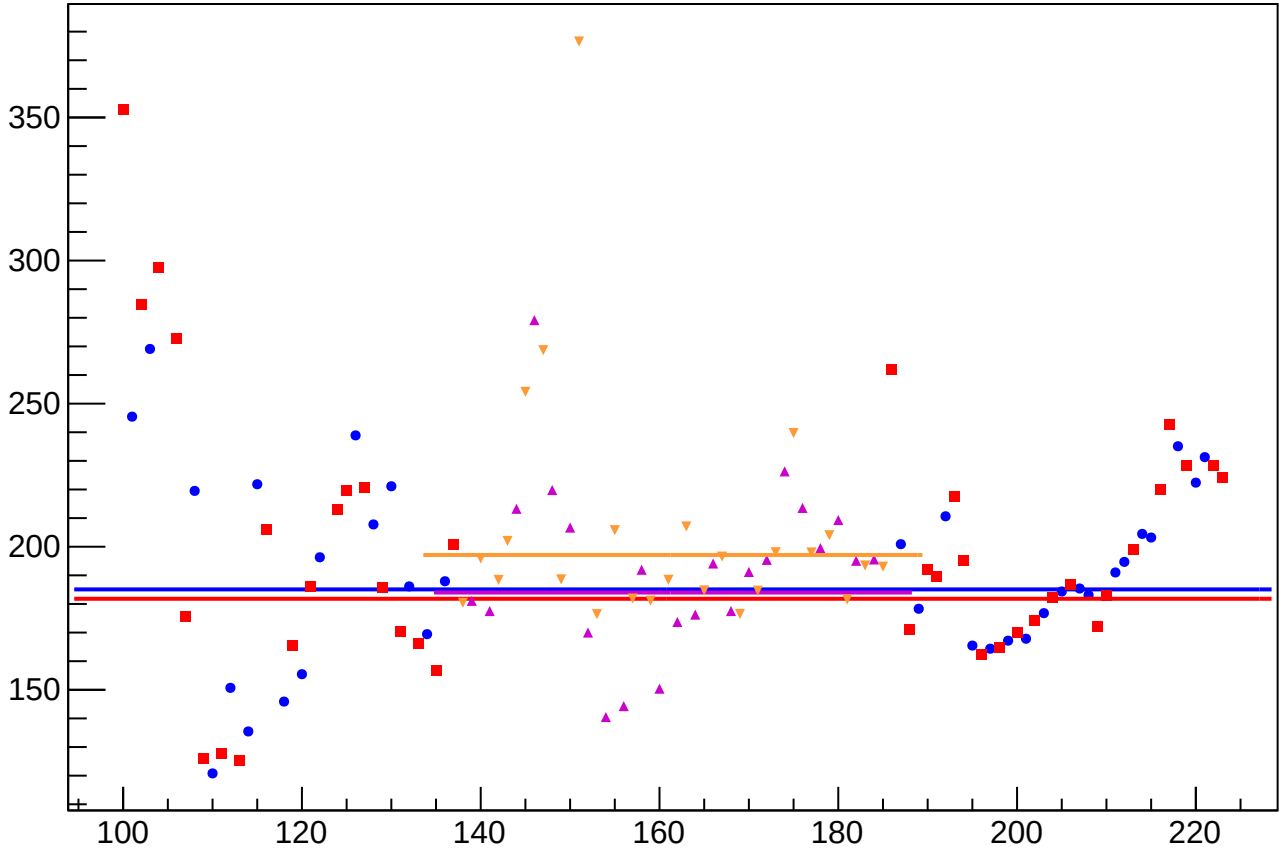
Right: 10292.563+/-27.978 χ^2/NDF: 186162.1/72

In: 407.440+/-29.731 χ^2/NDF:226249.0/56

Out: 1681.072+/-29.655 χ^2/NDF:291768.3/63

All: 1045.880+/-20.996 χ^2/NDF: 518937.2/12

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



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

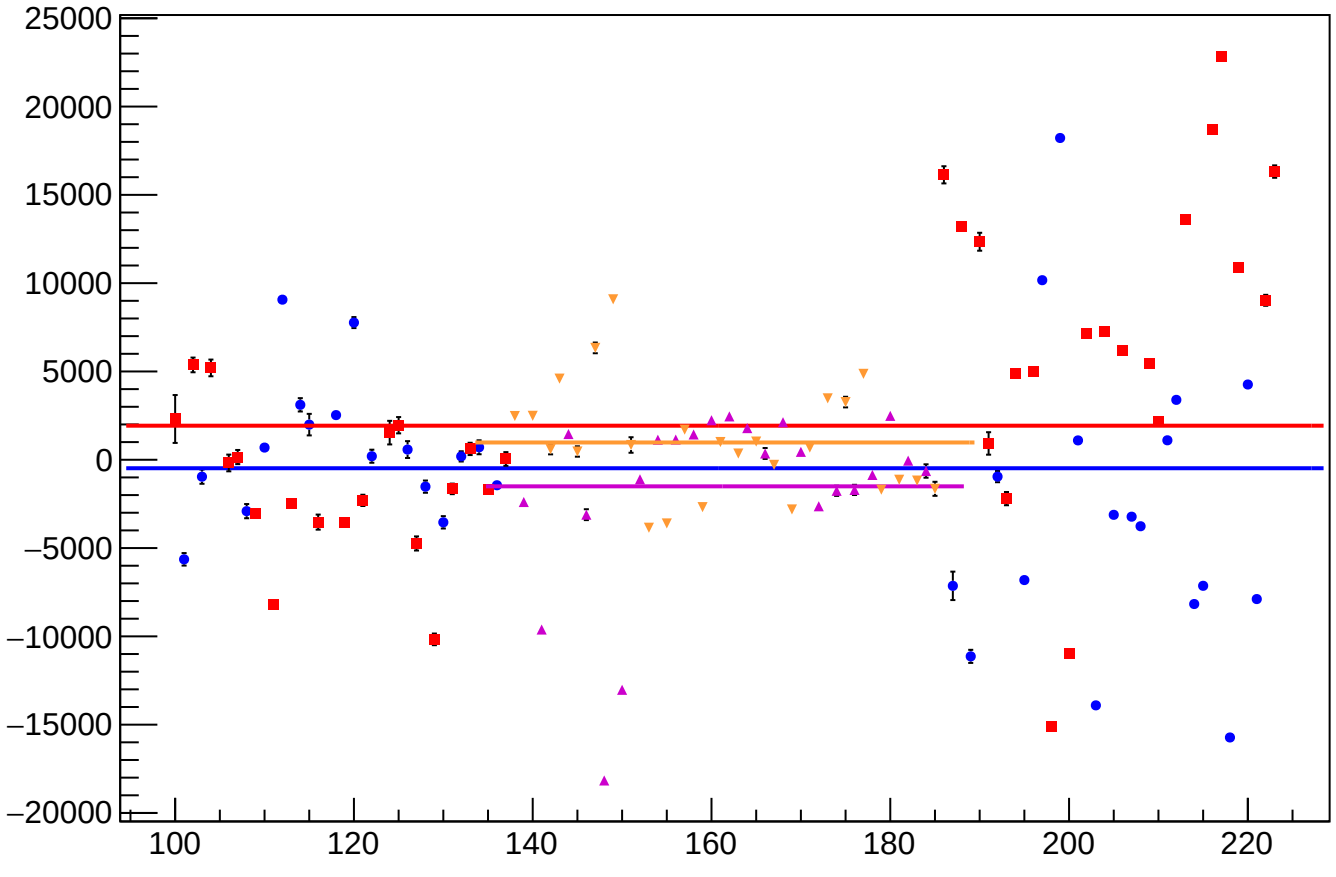
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 183.398+/-0.020 χ^2/NDF: 2679895.8/72

In: 184.588+/-0.021 χ^2/NDF:1892763.9/56

Out: 188.259+/-0.021 χ^2/NDF:2473251.5/63

All: 186.428+/-0.015 χ^2/NDF: 4381296.5/120



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

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

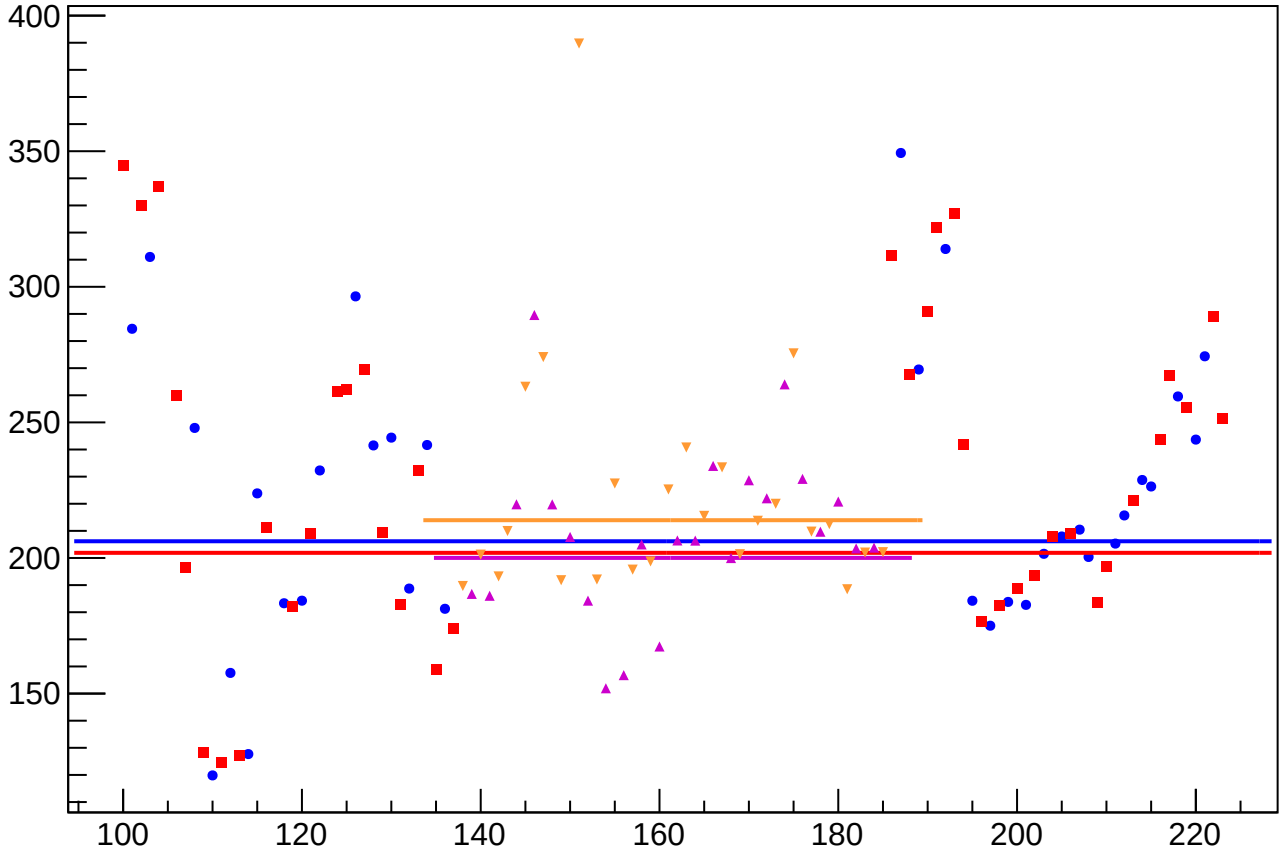
Right: 757.693+/-31.476 χ^2/NDF: 68325.0/72

In: -960.406+/-32.899 χ^2/NDF:39757.8/56

Out: 1511.388+/-32.882 χ^2/NDF:43355.5/63

All: 276.115+/-23.257 χ^2/NDF: 85937.2/120

asym_bpm0i05WS_rms vs Slug, Sign Corrected



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

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

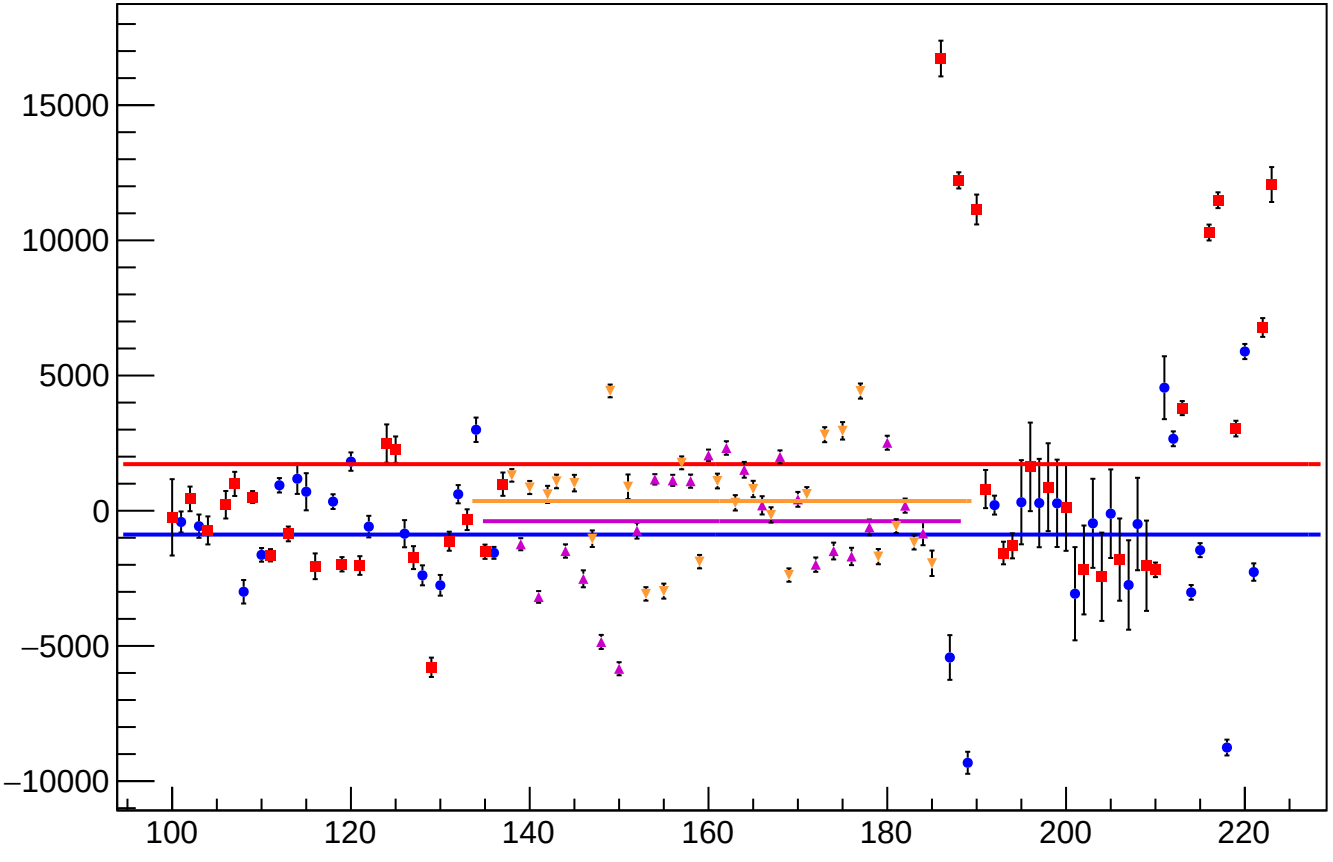
Right: 203.975+/-0.022 χ^2/NDF: 4539038.6/72

In: 203.290+/-0.023 χ^2/NDF:2576056.4/56

Out: 207.186+/-0.023 χ^2/NDF:3556242.5/63

All: 205.239+/-0.016 χ^2/NDF: 6146331.1/120

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

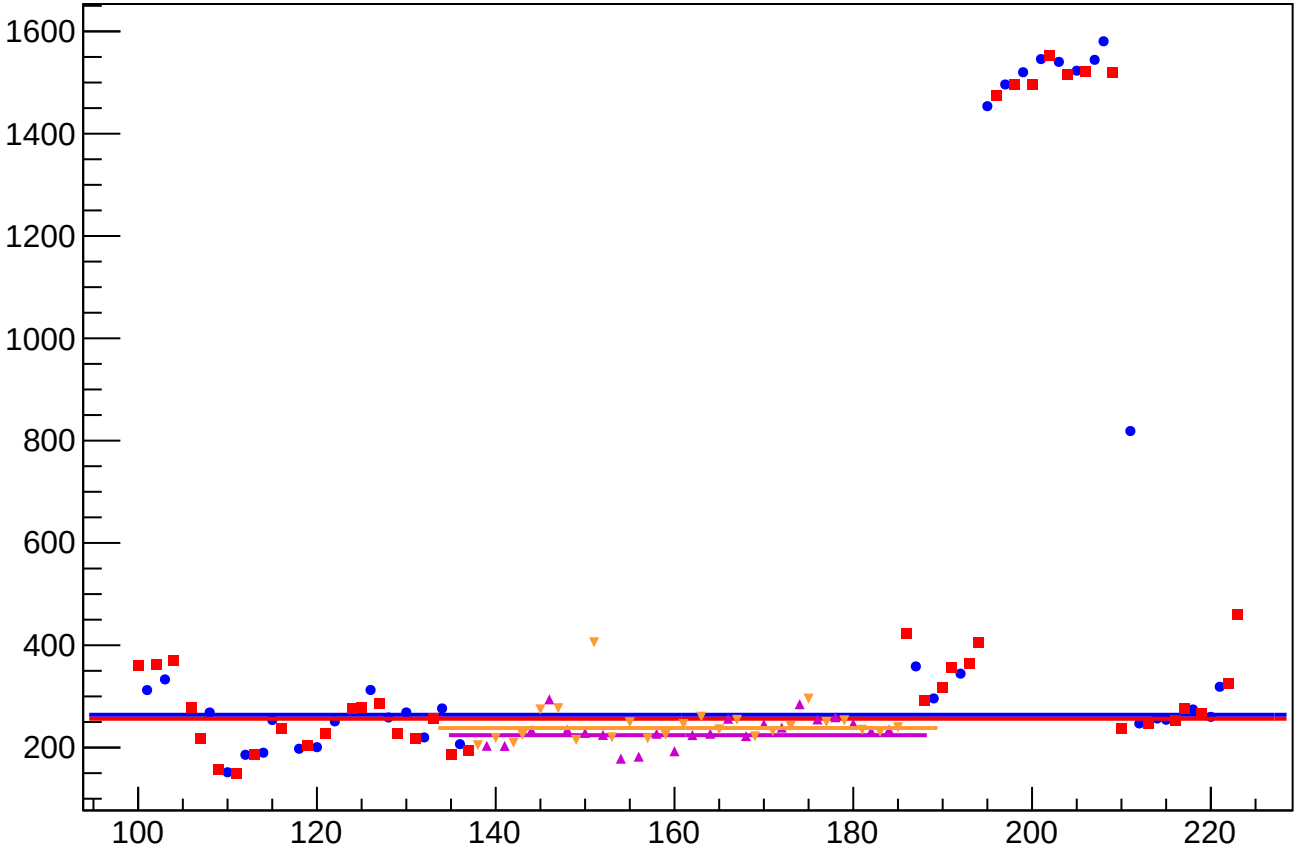
Right: 502.792+/-45.325 χ^2/NDF: 9611.2/72

In: -582.395+/-41.628 χ^2/NDF:4218.2/56

Out: 957.578+/-41.191 χ^2/NDF:8097.6/63

All: 195.727+/-29.280 χ^2/NDF: 13007.4/120

asym_bpm0i07WS_rms vs Slug, Sign Corrected



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

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

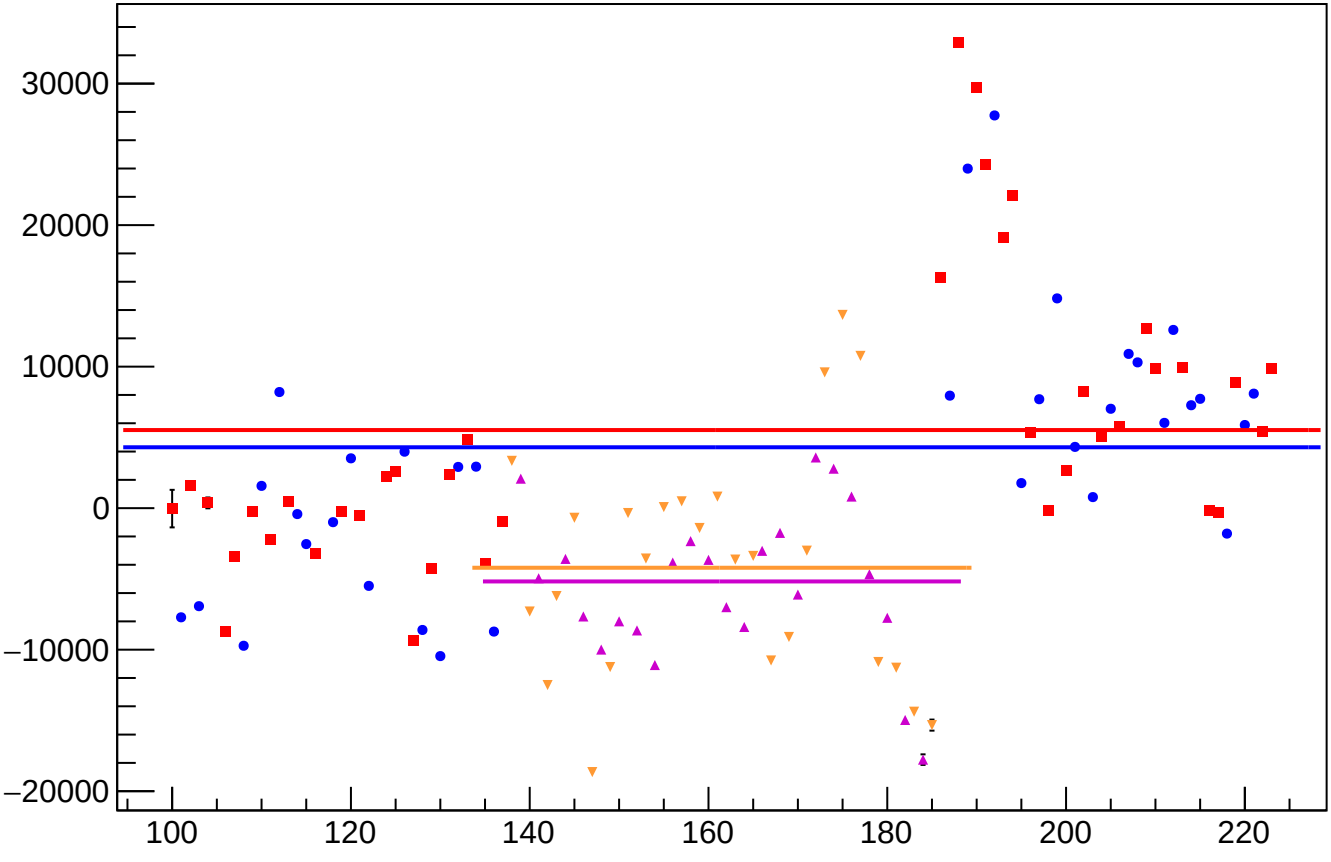
Right: 259.990+/-0.032 χ^2/NDF: 21977513.0/72

In: 239.983+/-0.029 χ^2/NDF:12128182.3/56

Out: 246.167+/-0.029 χ^2/NDF:11500833.5/63

All: 243.108+/-0.021 χ^2/NDF: 23651314.8/12

asym_bpm1i02WS_mean vs Slug, Sign Corrected



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

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

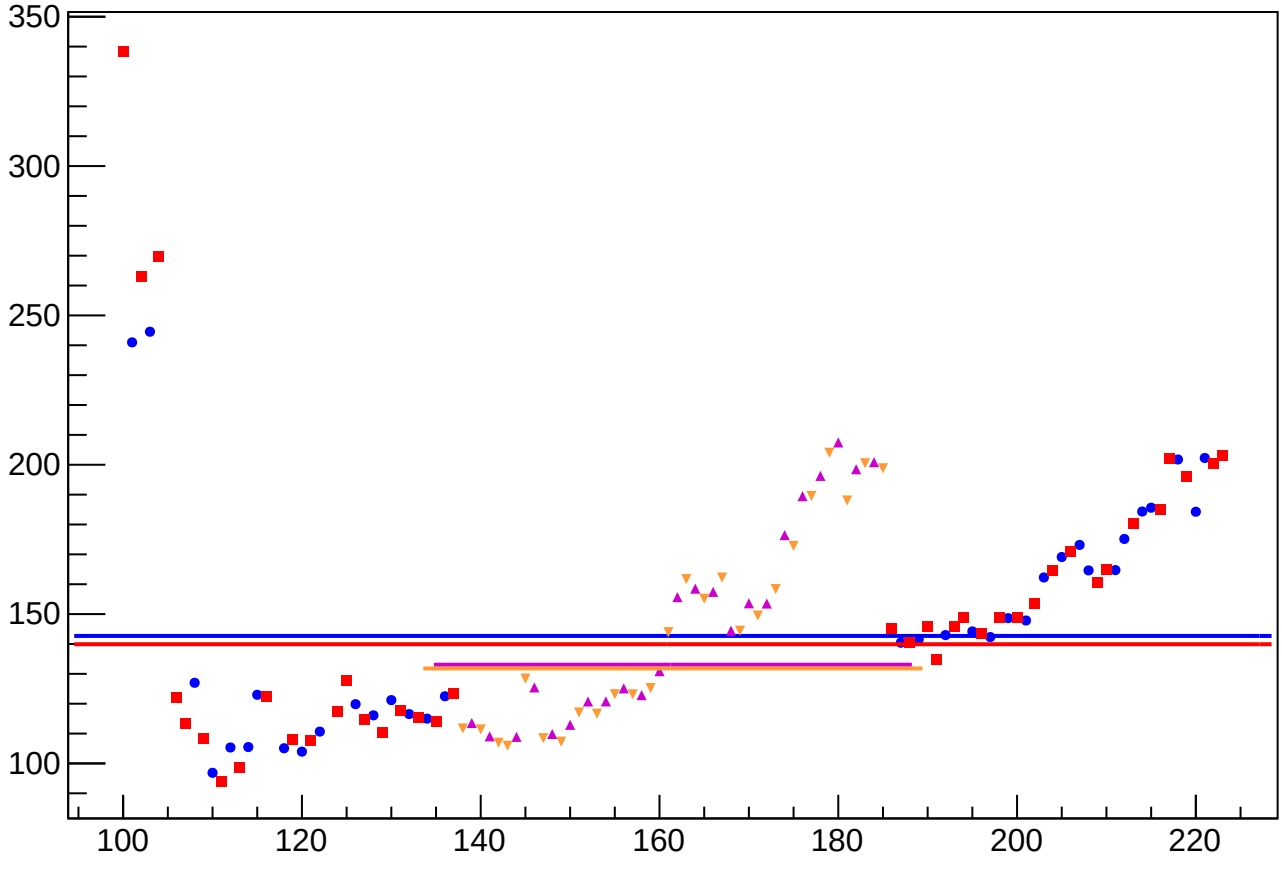
Right: 4933.912+/-21.859 χ^2/NDF: 191796.4/72

In: -369.863+/-22.443 χ^2/NDF:146417.8/56

Out: 731.340+/-21.626 χ^2/NDF:215147.6/63

All: 201.146+/-15.573 χ^2/NDF: 362813.8/120

asym_bpm1i02WS_rms vs Slug, Sign Corrected



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

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

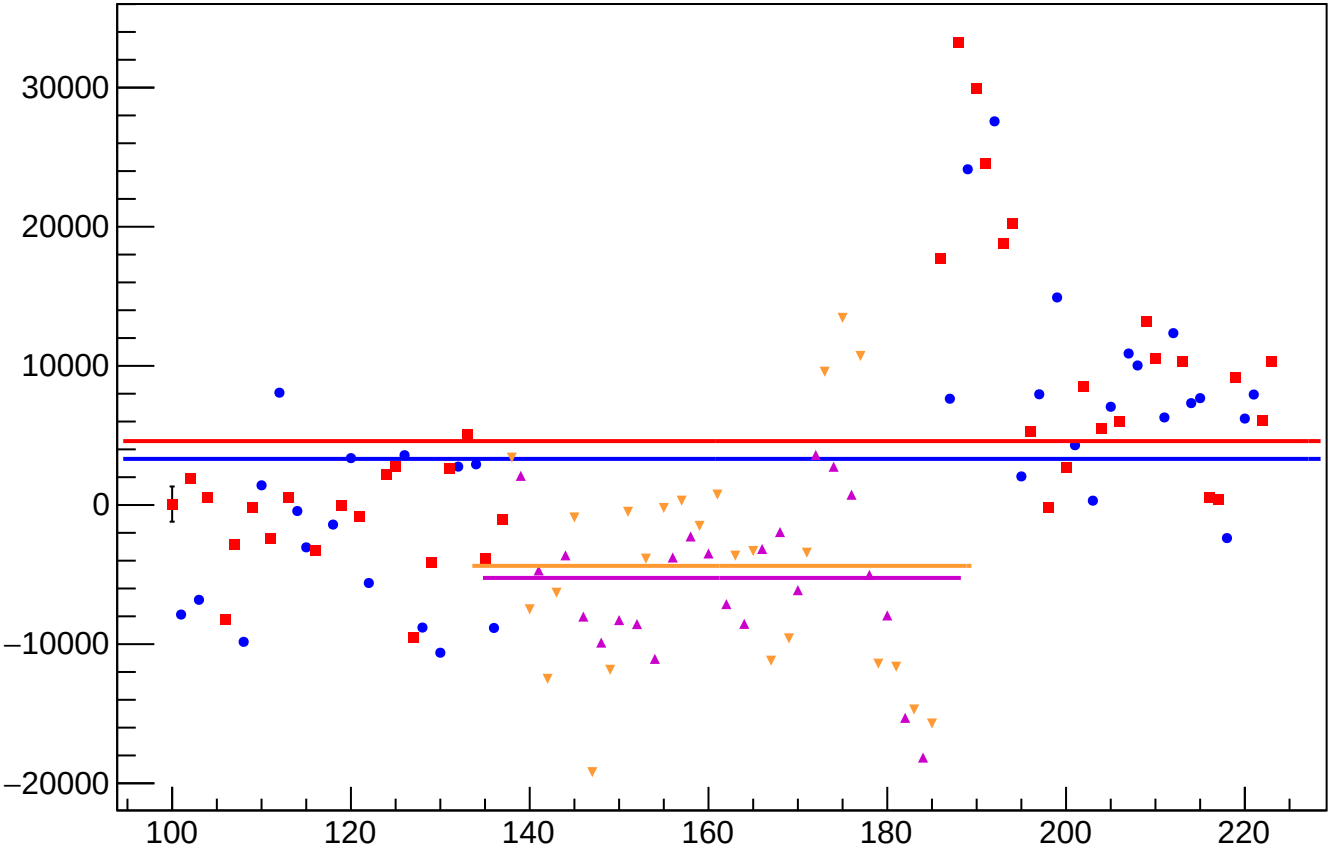
Right: 141.247+/-0.015 χ^2/NDF: 4523891.3/72

In: 137.945+/-0.016 χ^2/NDF:3622553.3/56

Out: 135.917+/-0.015 χ^2/NDF:4018183.2/63

All: 136.893+/-0.011 χ^2/NDF: 7649204.5/120

asym_bpm1i04WS_mean vs Slug, Sign Corrected



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

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

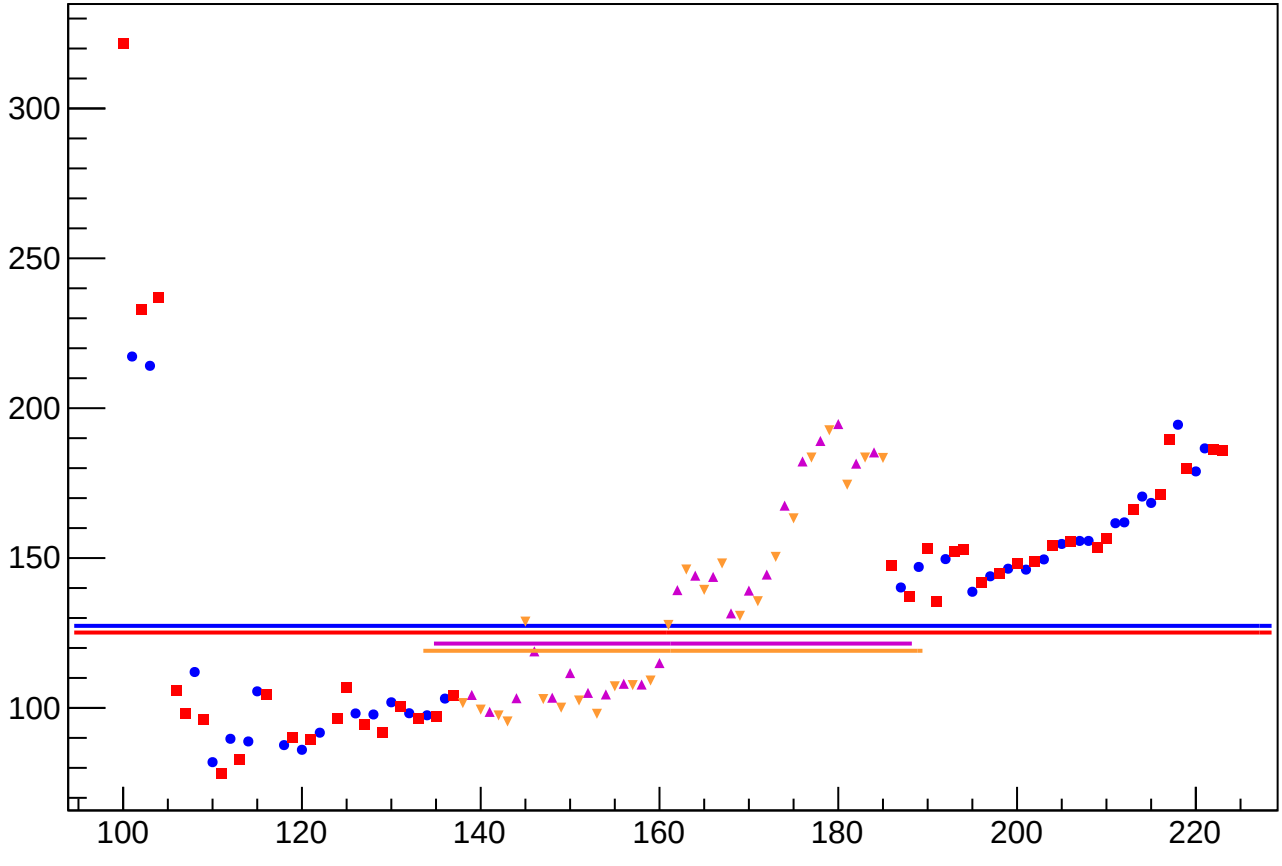
Right: 3977.171+/-19.805 χ^2/NDF: 213773.0/72

In: -852.802+/-20.417 χ^2/NDF:160705.8/56

Out: 179.315+/-19.616 χ^2/NDF:237610.6/63

All: -316.085+/-14.145 χ^2/NDF: 399645.2/12

asym_bpm1i04WS_rms vs Slug, Sign Corrected



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

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

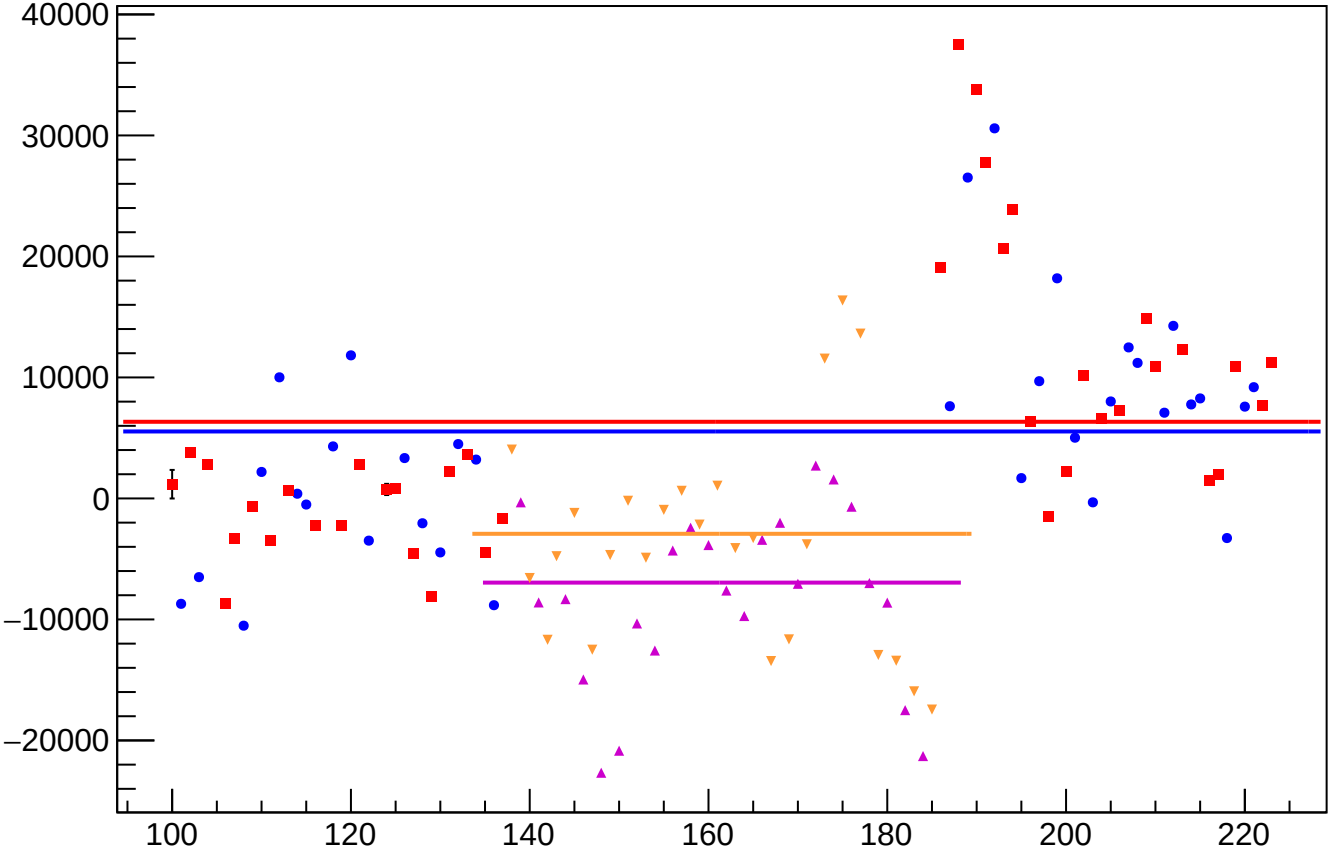
Right: 126.227+/-0.014 χ^2/NDF: 6507667.7/72

In: 124.500+/-0.014 χ^2/NDF:4637715.9/56

Out: 122.153+/-0.014 χ^2/NDF:5238447.0/63

All: 123.280+/-0.010 χ^2/NDF: 9889904.4/120

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5534.407+/-37.232 χ^2/NDF: 66529.4/33

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 6335.023+/-36.015 χ^2/NDF: 96673.3/38

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

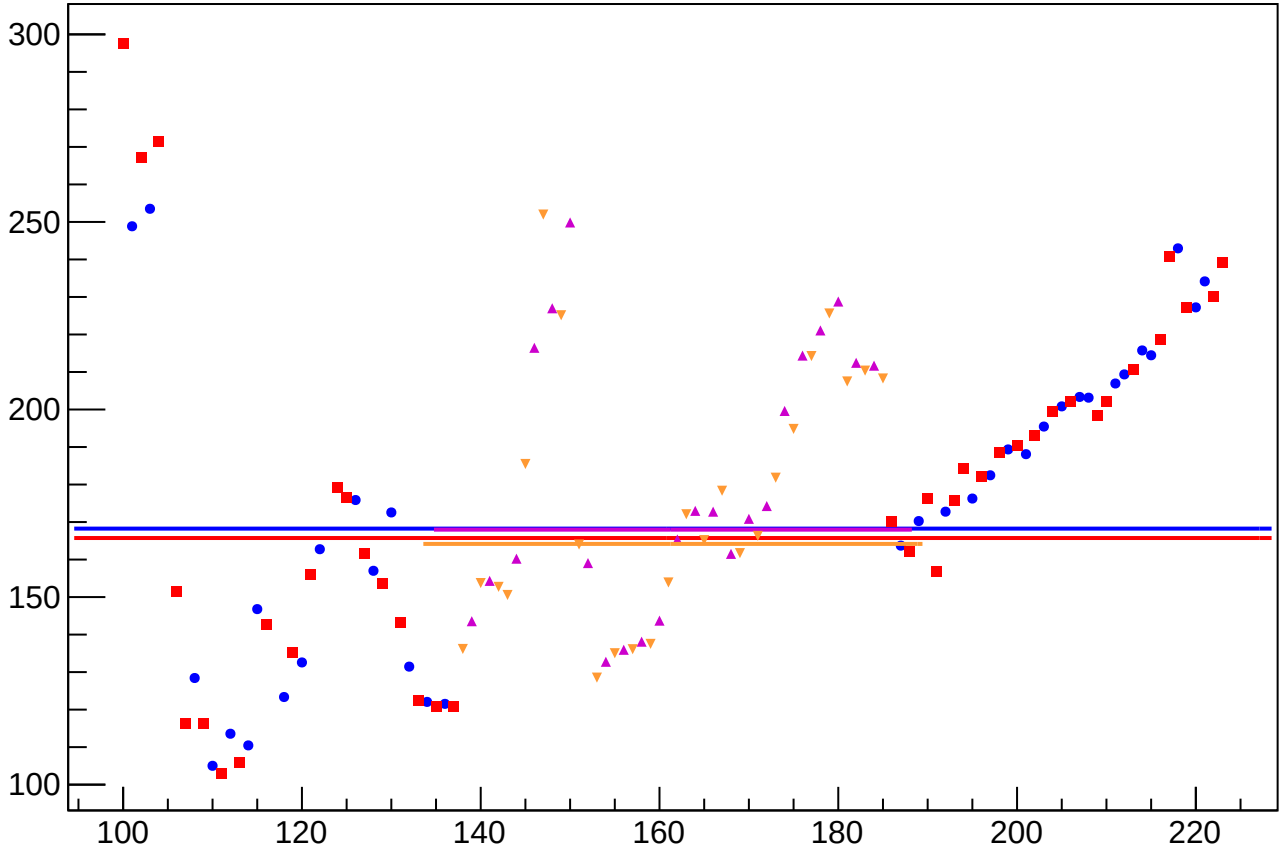
Right: 5948.011+/-25.886 χ^2/NDF: 163441.6/72

In: -226.166+/-27.330 χ^2/NDF:140777.6/56

Out: 1976.489+/-26.200 χ^2/NDF:165835.3/63

All: 921.642+/-18.913 χ^2/NDF: 309997.8/120

asym_bpm1i06WS_rms vs Slug, Sign Corrected



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

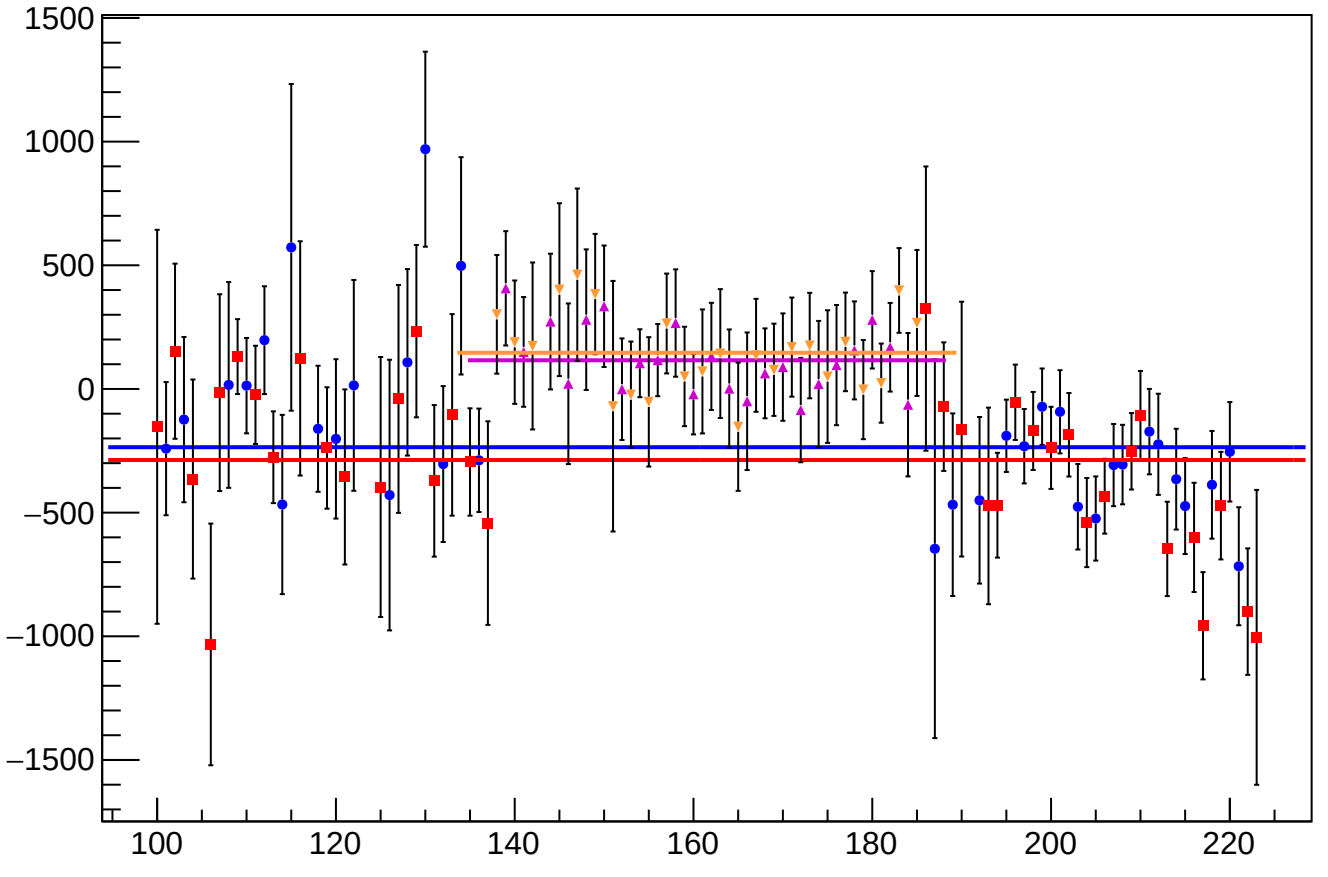
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 166.956+/-0.018 χ^2/NDF: 5164254.5/72

In: 168.125+/-0.019 χ^2/NDF:3701993.6/56

Out: 165.003+/-0.019 χ^2/NDF:3906556.4/63

All: 166.498+/-0.013 χ^2/NDF: 7622144.6/120



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

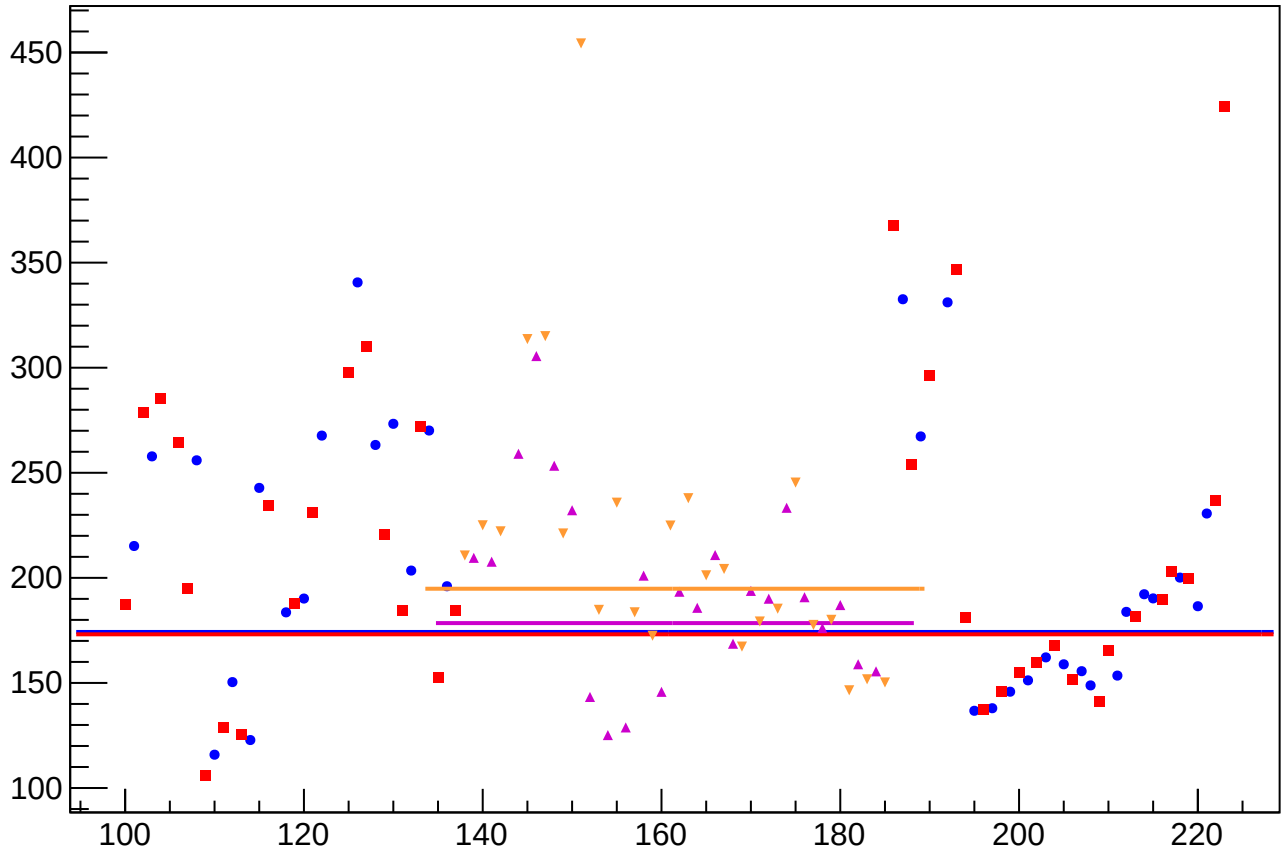
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -261.381+/-27.255 χ^2/NDF: 88.4/70

In: -81.270+/-28.887 χ^2/NDF:80.5/56

Out: -112.627+/-29.778 χ^2/NDF:111.9/60

All: -96.473+/-20.734 χ^2/NDF: 193.1/117



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

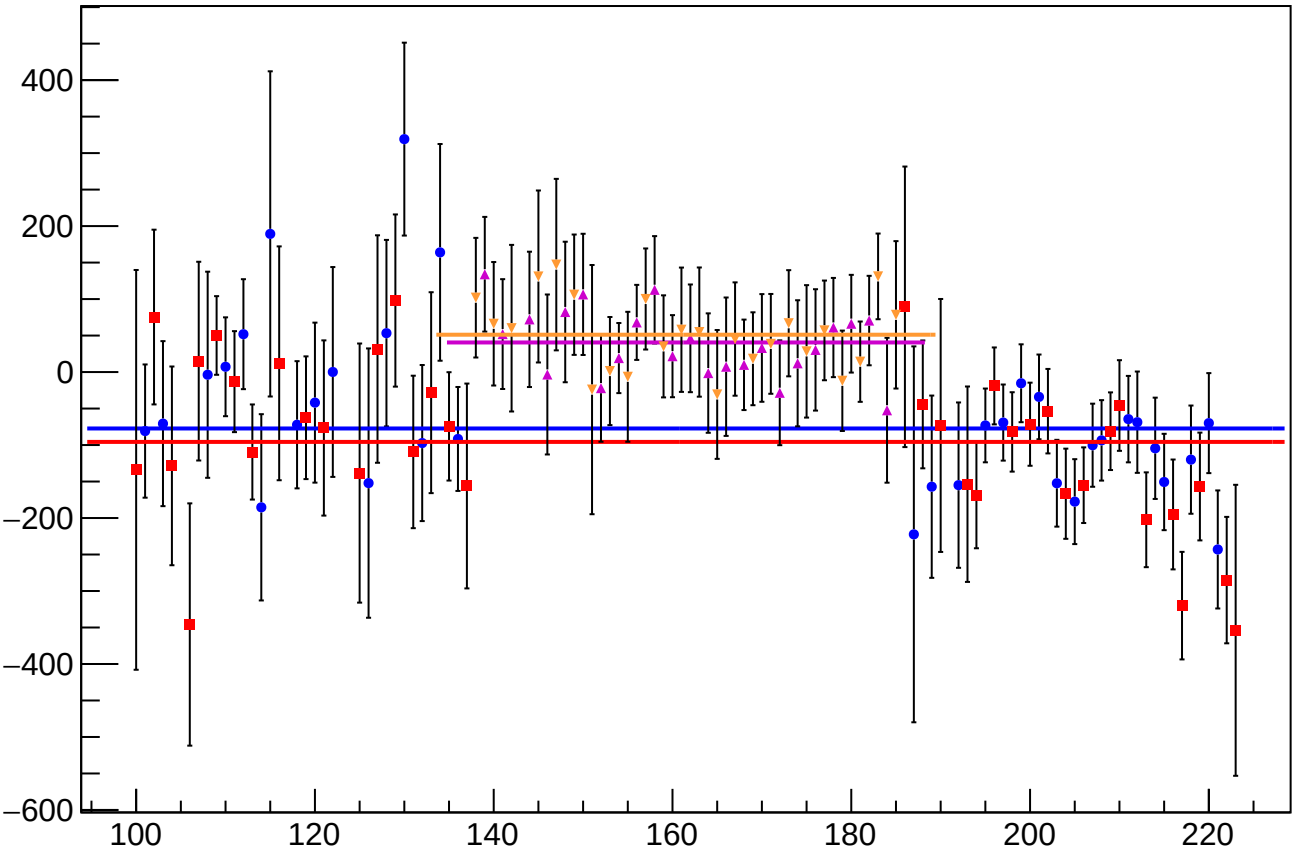
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 173.695+/-0.019 χ^2/NDF: 5906516.2/70

In: 176.106+/-0.020 χ^2/NDF:4175576.1/56

Out: 181.872+/-0.021 χ^2/NDF:5424583.9/60

All: 178.901+/-0.015 χ^2/NDF: 9638788.5/117



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

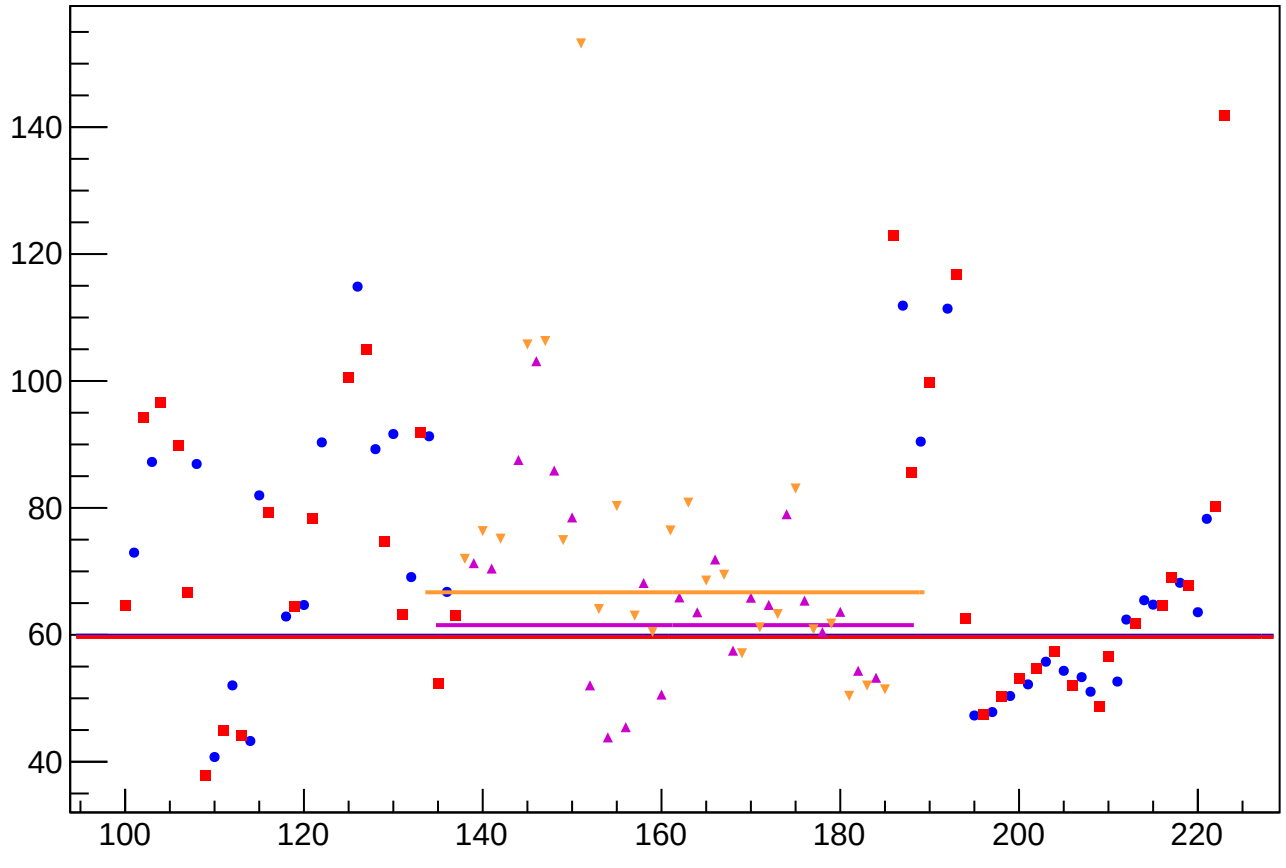
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -86.497+/-9.350 χ^2/NDF: 83.1/70

In: -25.712+/-9.910 χ^2/NDF:76.8/56

Out: -36.232+/-10.205 χ^2/NDF:106.0/60

All: -30.818+/-7.110 χ^2/NDF: 183.4/117



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

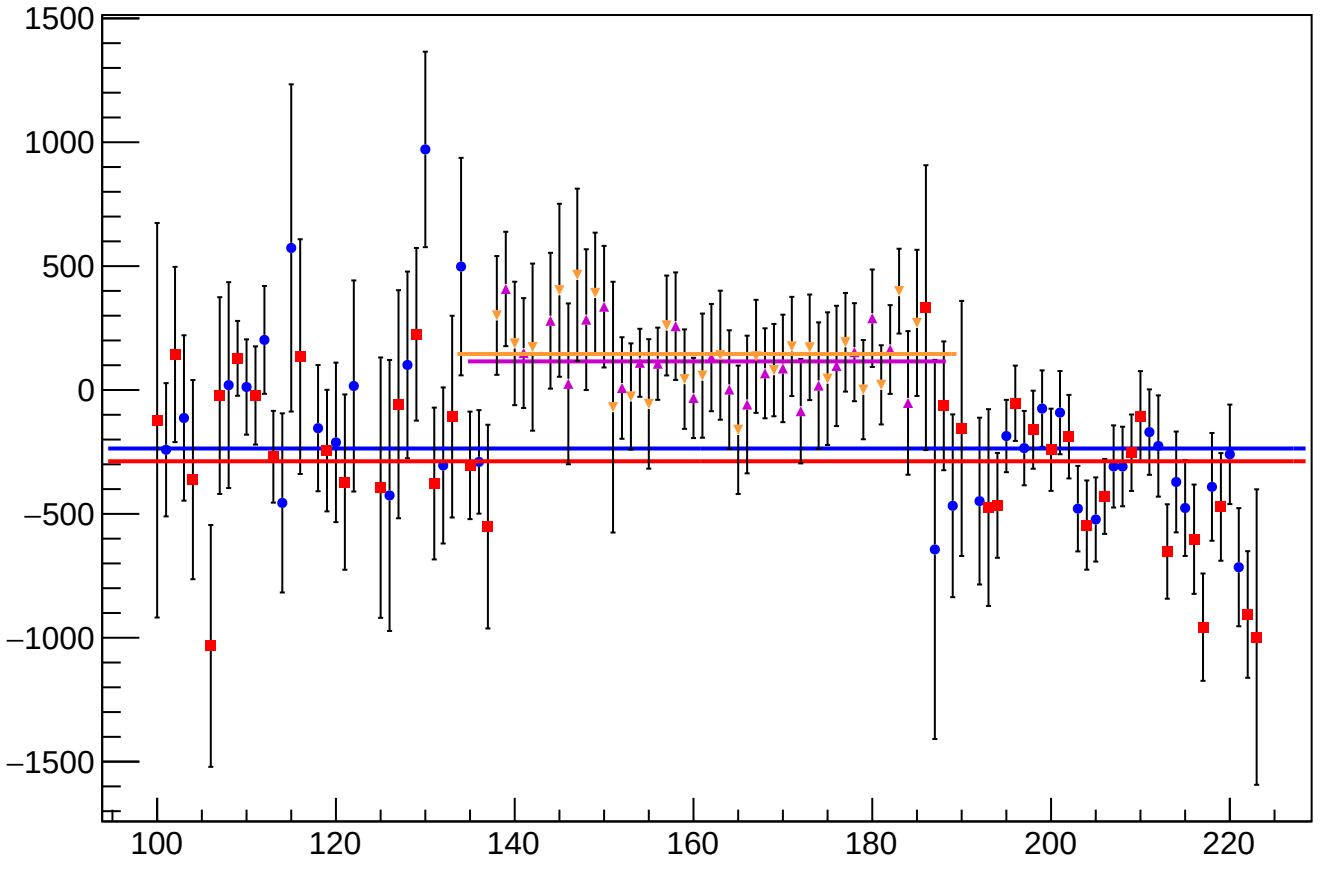
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 59.765+/-0.007 χ^2/NDF: 5500764.2/70

In: 60.594+/-0.007 χ^2/NDF:3829048.4/56

Out: 62.514+/-0.007 χ^2/NDF:5080812.3/60

All: 61.526+/-0.005 χ^2/NDF: 8946304.7/117



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

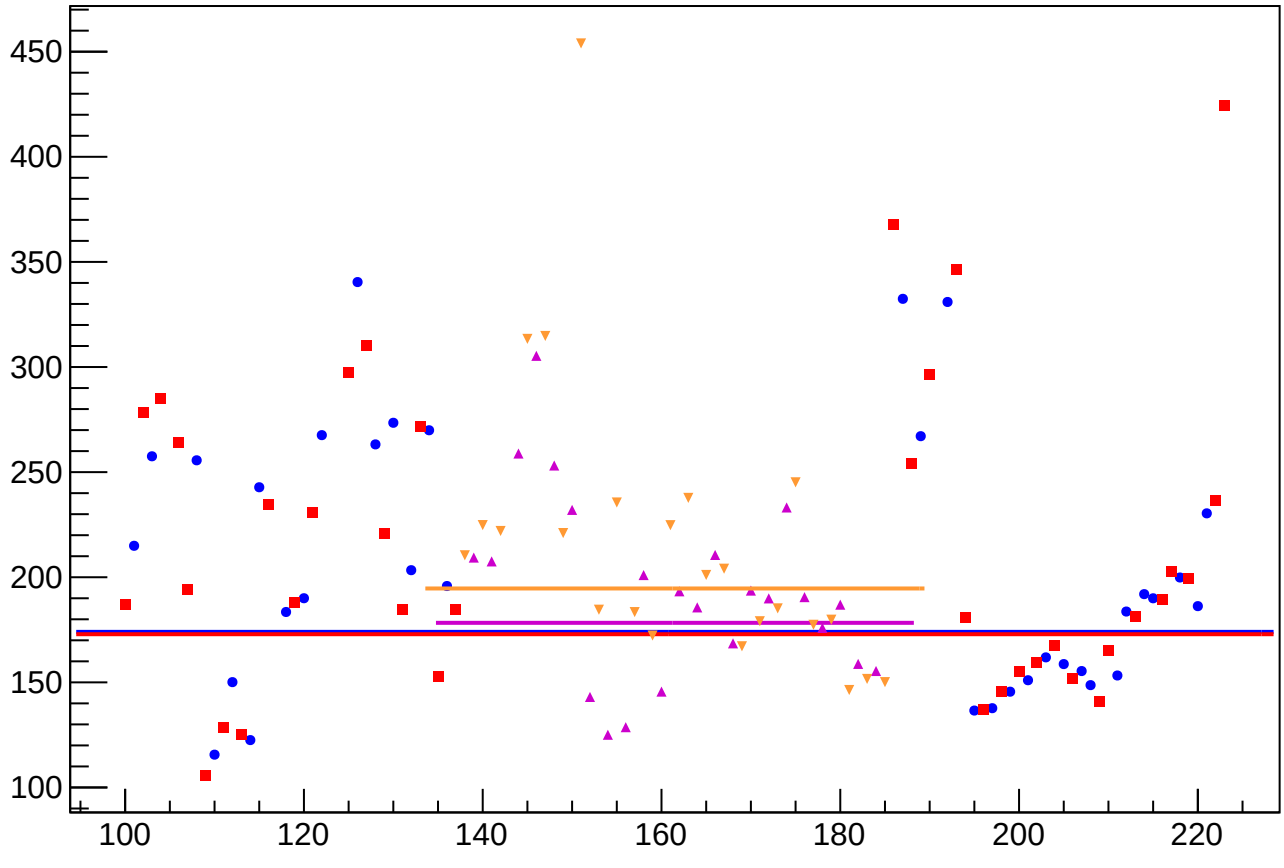
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -261.885+/-27.221 χ^2/NDF: 88.9/70

In: -81.884+/-28.856 χ^2/NDF:81.0/56

Out: -113.313+/-29.745 χ^2/NDF:112.5/60

All: -97.121+/-20.712 χ^2/NDF: 194.1/117



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

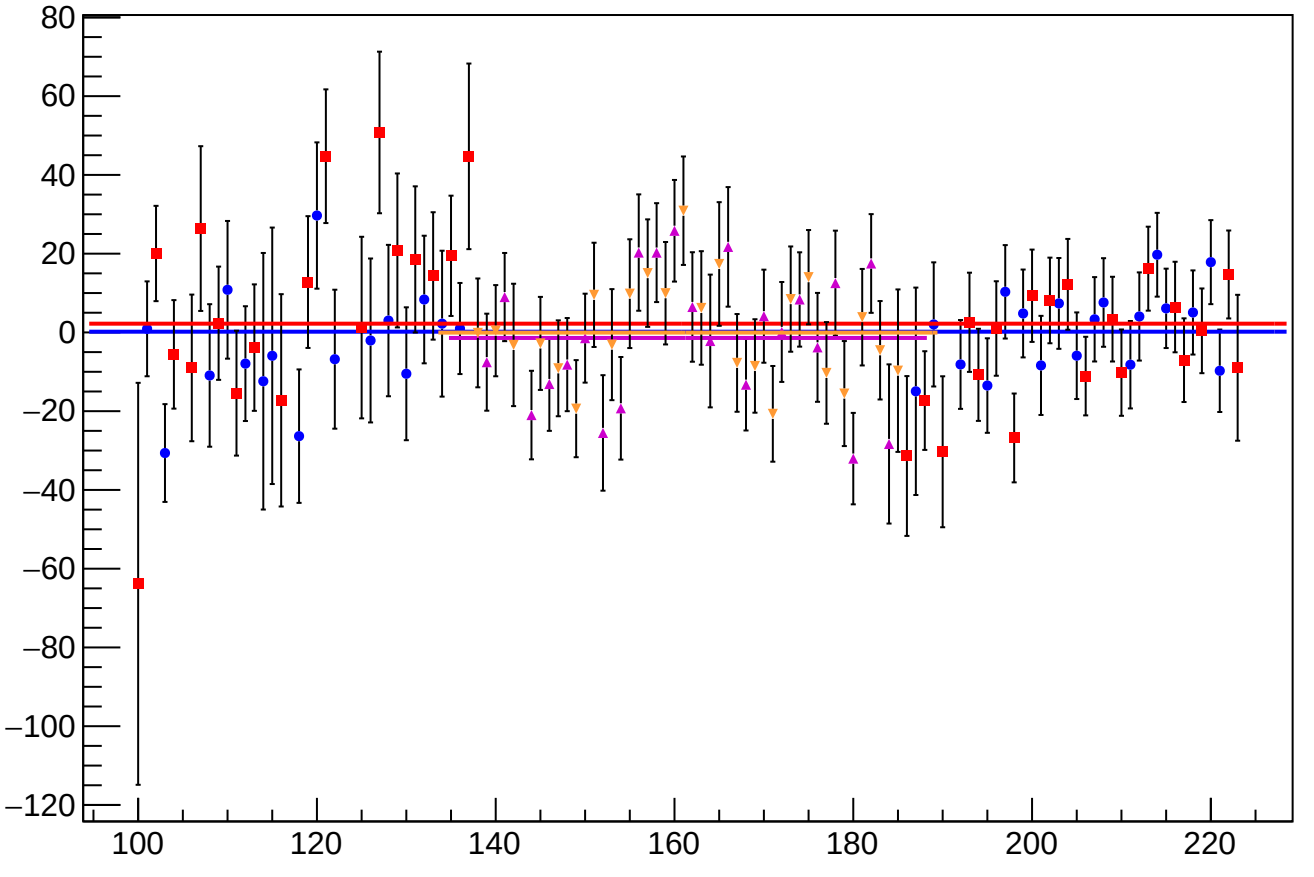
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 173.460+/-0.019 χ^2/NDF: 5923323.4/70

In: 175.904+/-0.020 χ^2/NDF:4184949.5/56

Out: 181.658+/-0.021 χ^2/NDF:5437227.7/60

All: 178.694+/-0.015 χ^2/NDF: 9660730.4/117



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

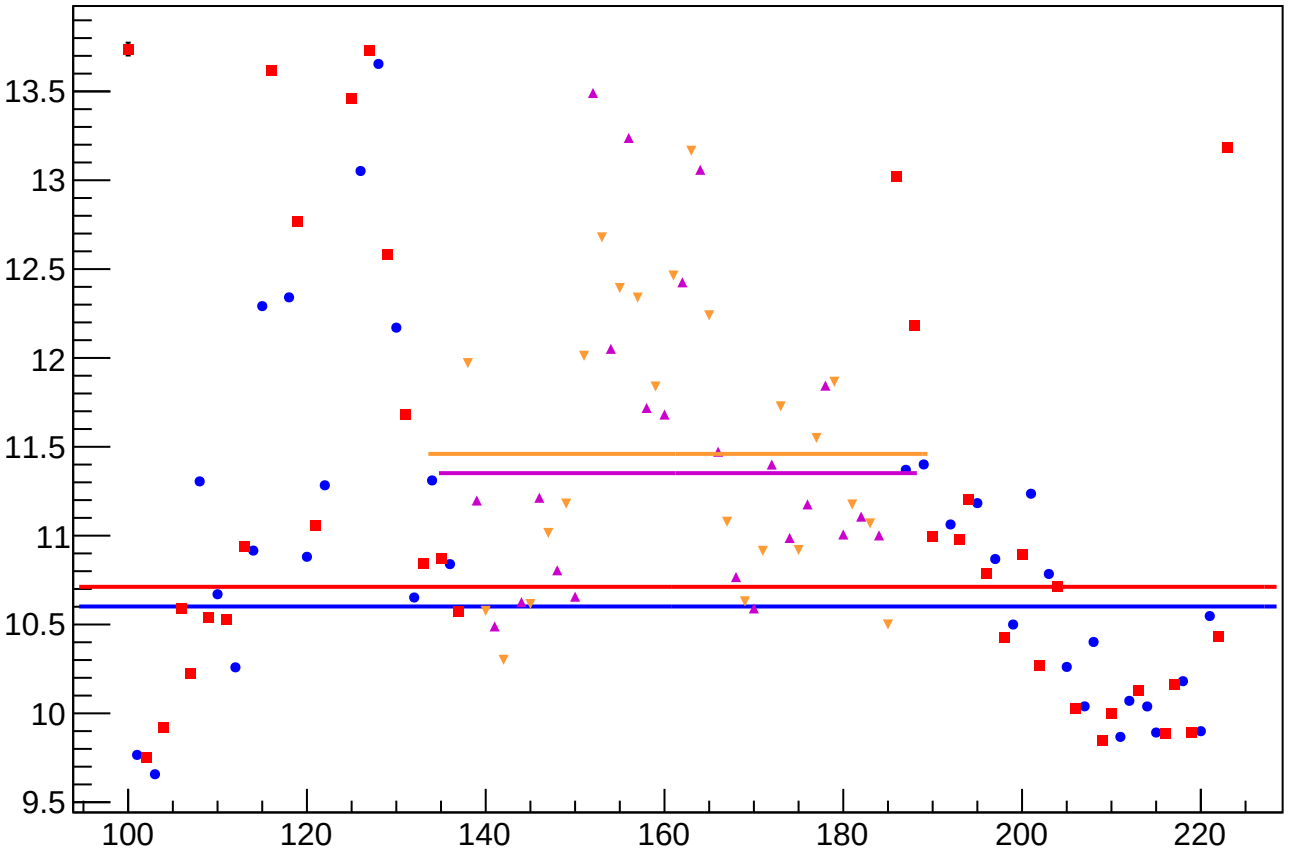
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 1.201+/-1.606 χ^2/NDF: 78.1/70

In: -0.482+/-1.730 χ^2/NDF:62.8/56

Out: 1.274+/-1.735 χ^2/NDF:72.3/60

All: 0.394+/-1.225 χ^2/NDF: 135.7/117



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

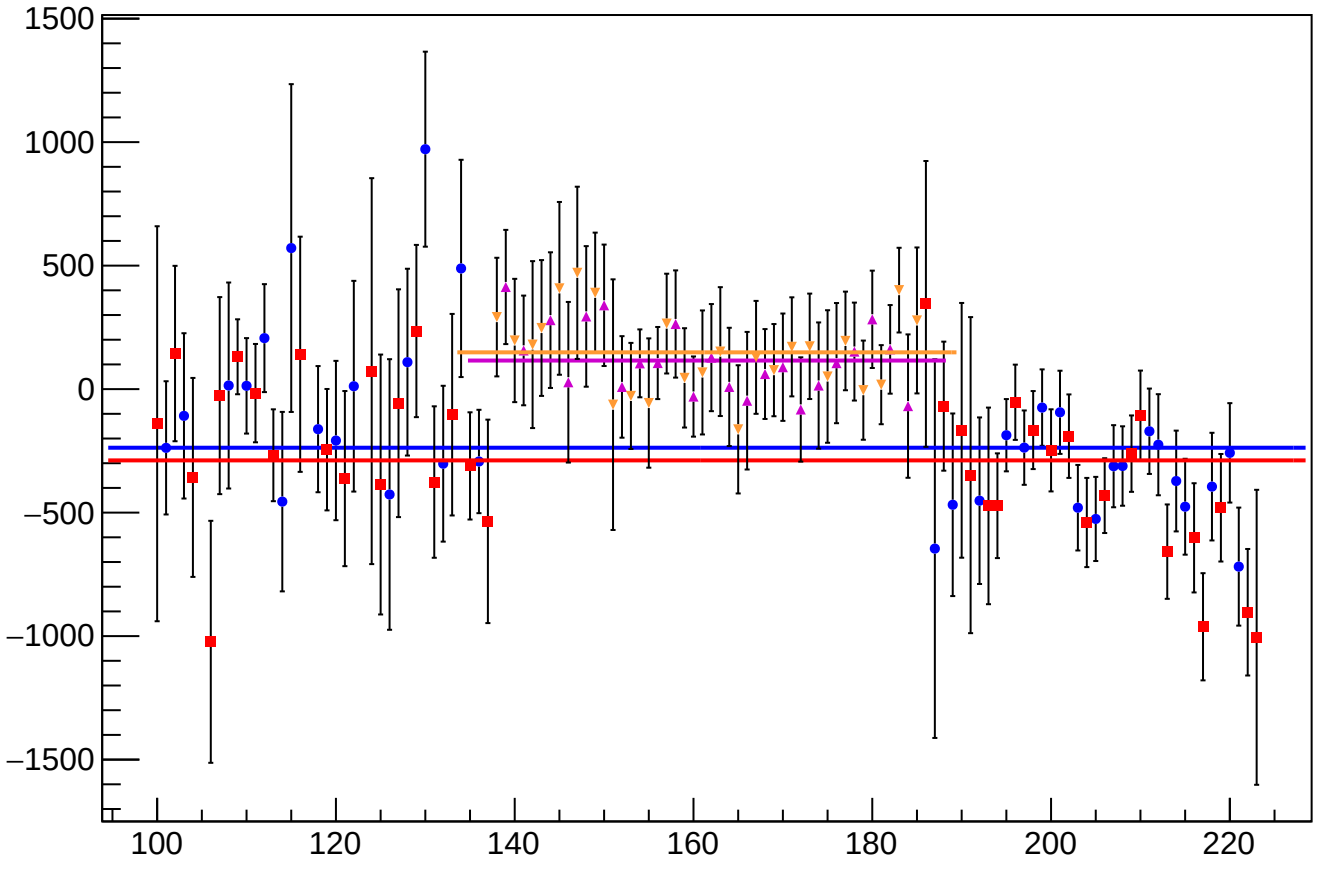
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.657+/-0.001 χ^2/NDF: 570500.9/70

In: 10.916+/-0.001 χ^2/NDF:487041.9/56

Out: 11.024+/-0.001 χ^2/NDF:584050.7/60

All: 10.970+/-0.001 χ^2/NDF: 1075038.9/117



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

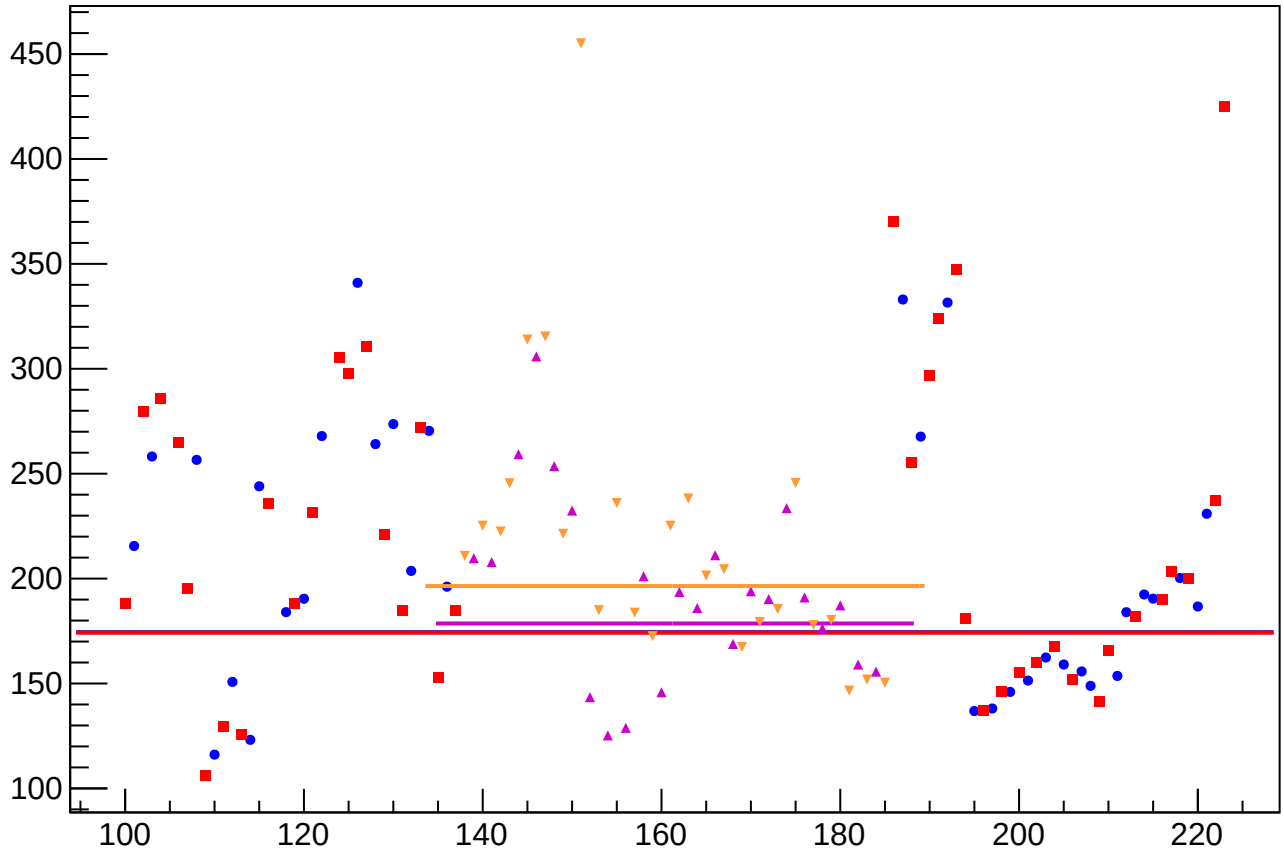
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -263.014+/-27.250 χ^2/NDF: 89.2/72

In: -82.300+/-28.917 χ^2/NDF:81.2/56

Out: -109.946+/-29.588 χ^2/NDF:114.9/63

All: -95.806+/-20.681 χ^2/NDF: 196.6/120



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

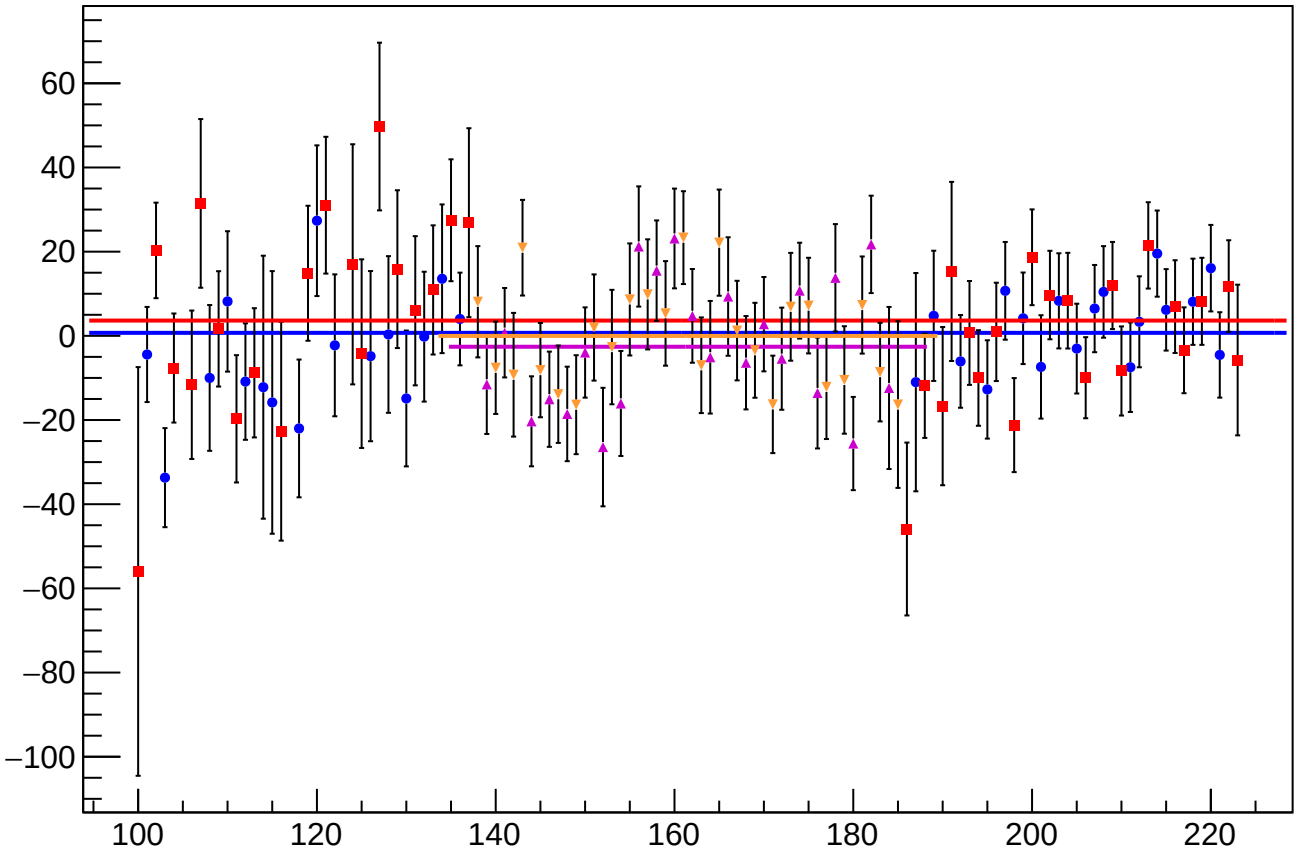
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 174.345+/-0.019 χ^2/NDF: 6079972.8/72

In: 176.284+/-0.020 χ^2/NDF:4179449.4/56

Out: 183.303+/-0.021 χ^2/NDF:5680860.2/63

All: 179.713+/-0.015 χ^2/NDF: 9917882.3/120



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

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

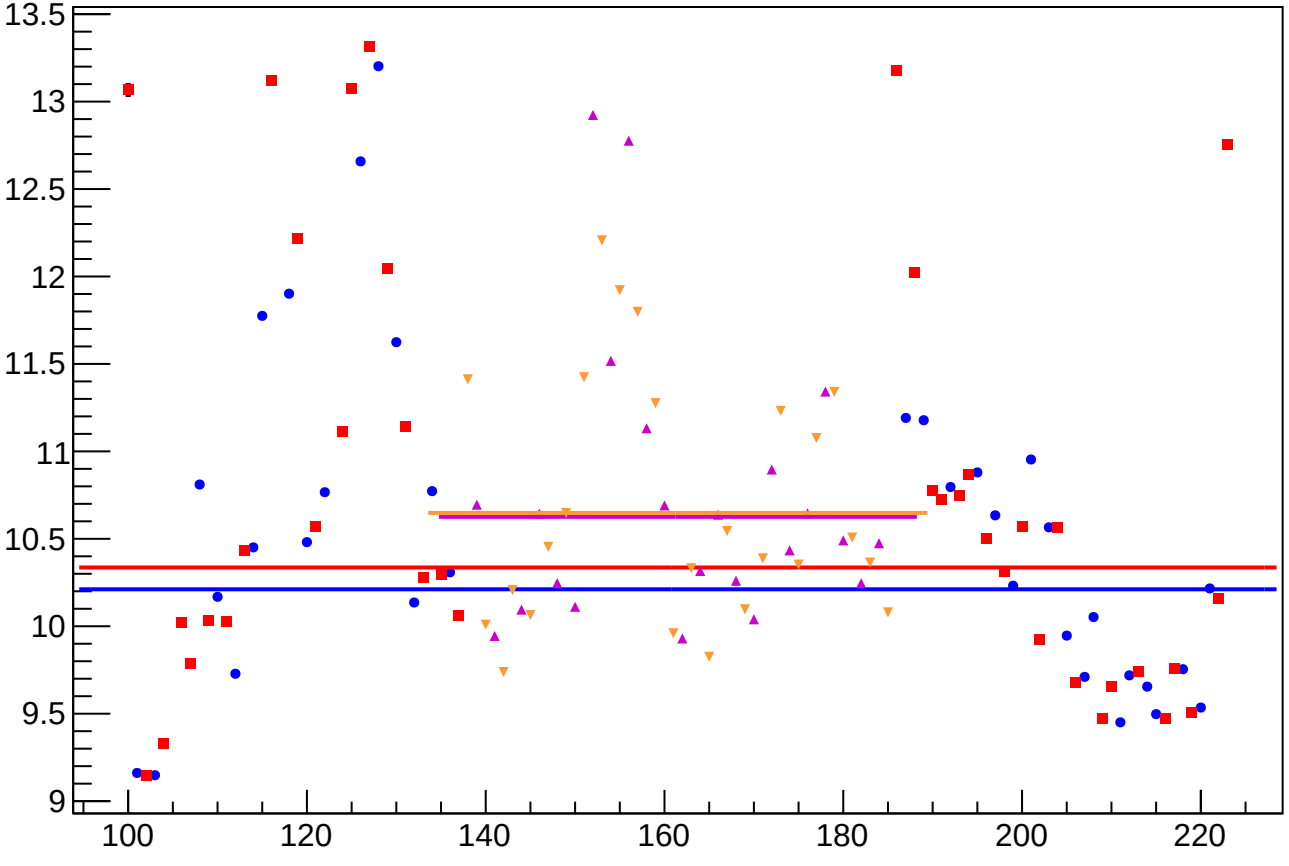
Right: 2.178+/-1.543 χ^2/NDF: 80.3/72

In: -0.717+/-1.648 χ^2/NDF:64.4/56

Out: 2.017+/-1.626 χ^2/NDF:75.8/63

All: 0.669+/-1.157 χ^2/NDF: 141.6/120

asym_bcm_an_us_an_ds3_dd_rms vs Slug, Sign Corrected



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

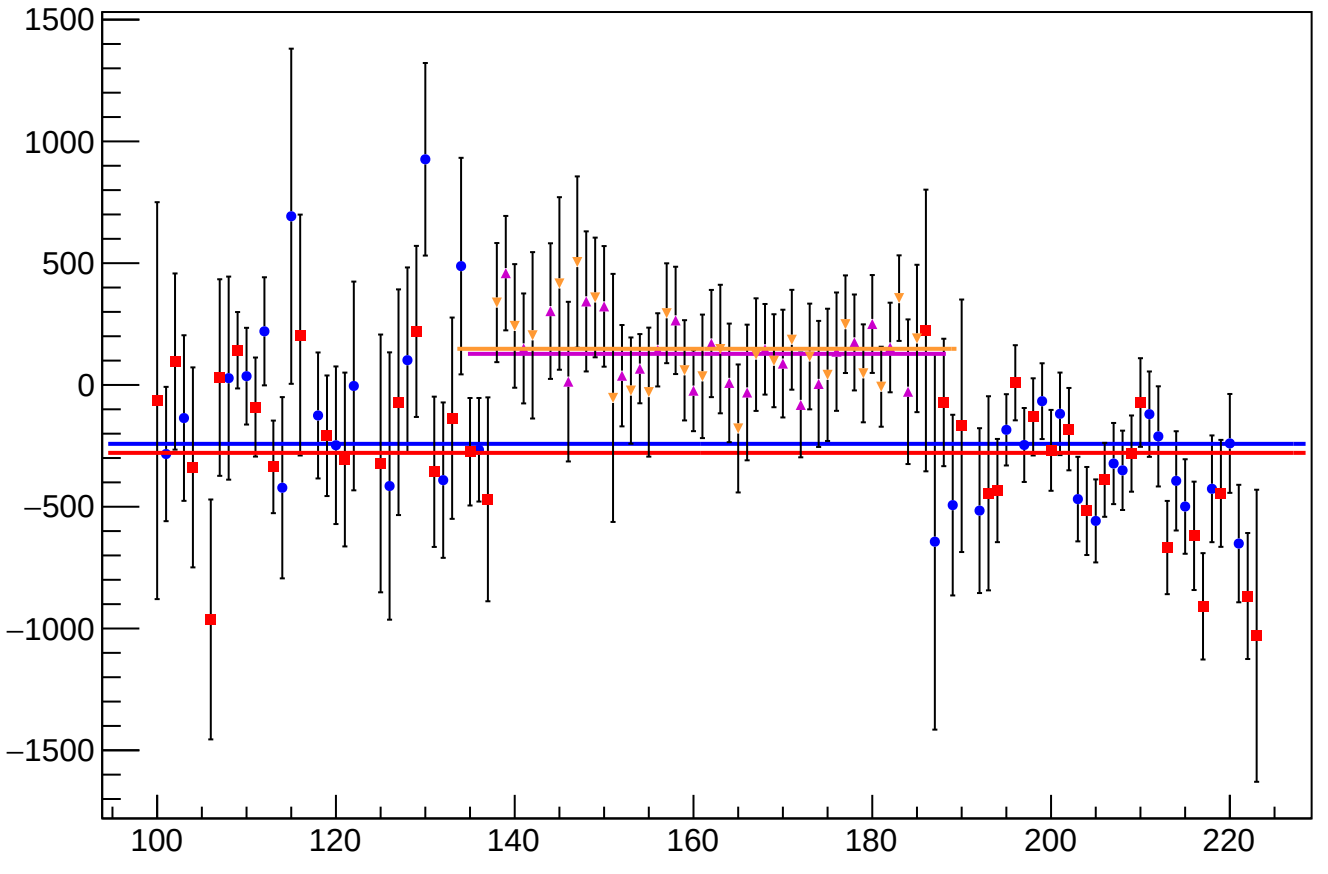
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.274+/-0.001 χ^2/NDF: 642658.4/72

In: 10.391+/-0.001 χ^2/NDF:441514.1/56

Out: 10.474+/-0.001 χ^2/NDF:550183.0/63

All: 10.433+/-0.001 χ^2/NDF: 994298.9/120



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

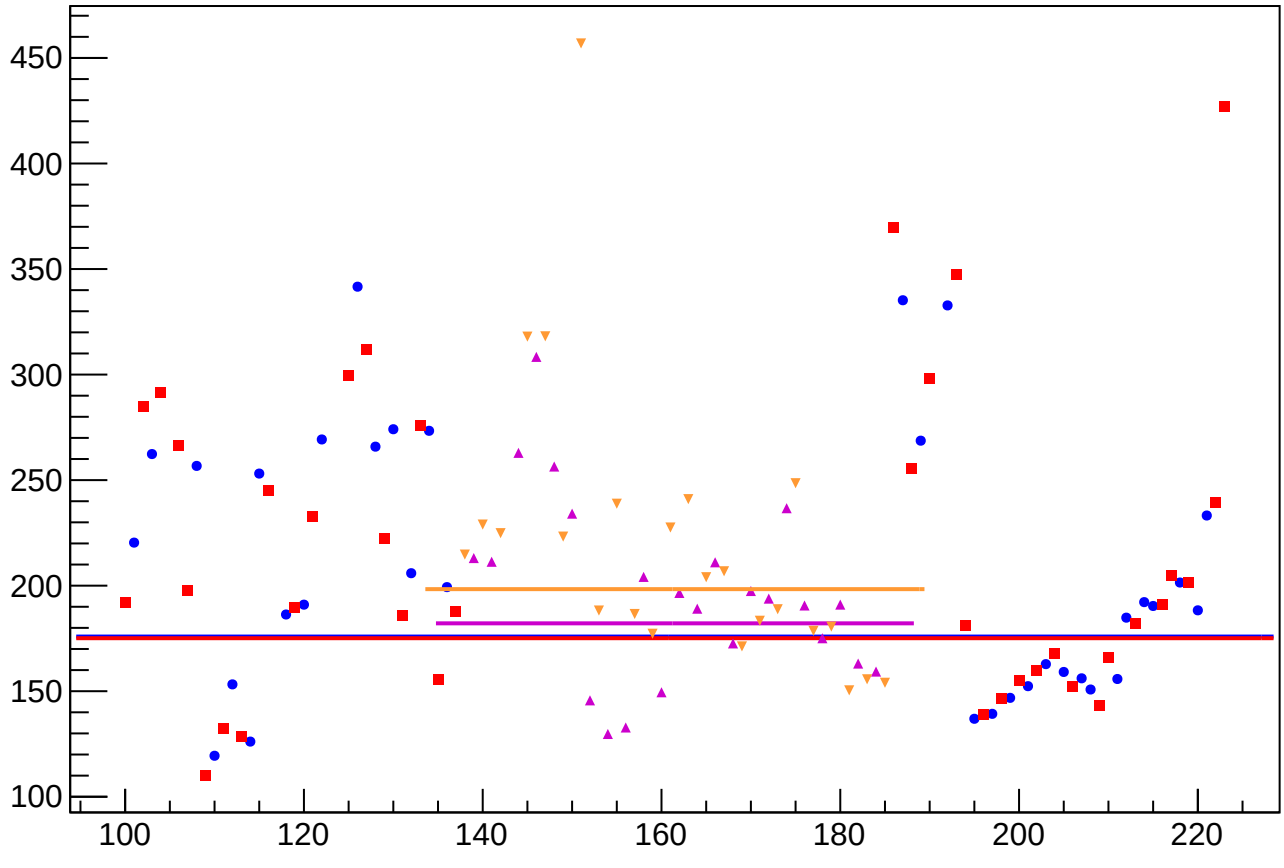
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -260.314+/-27.519 χ^2/NDF: 86.0/70

In: -81.381+/-29.271 χ^2/NDF:84.6/56

Out: -108.145+/-30.163 χ^2/NDF:106.0/60

All: -94.362+/-21.006 χ^2/NDF: 191.0/117



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

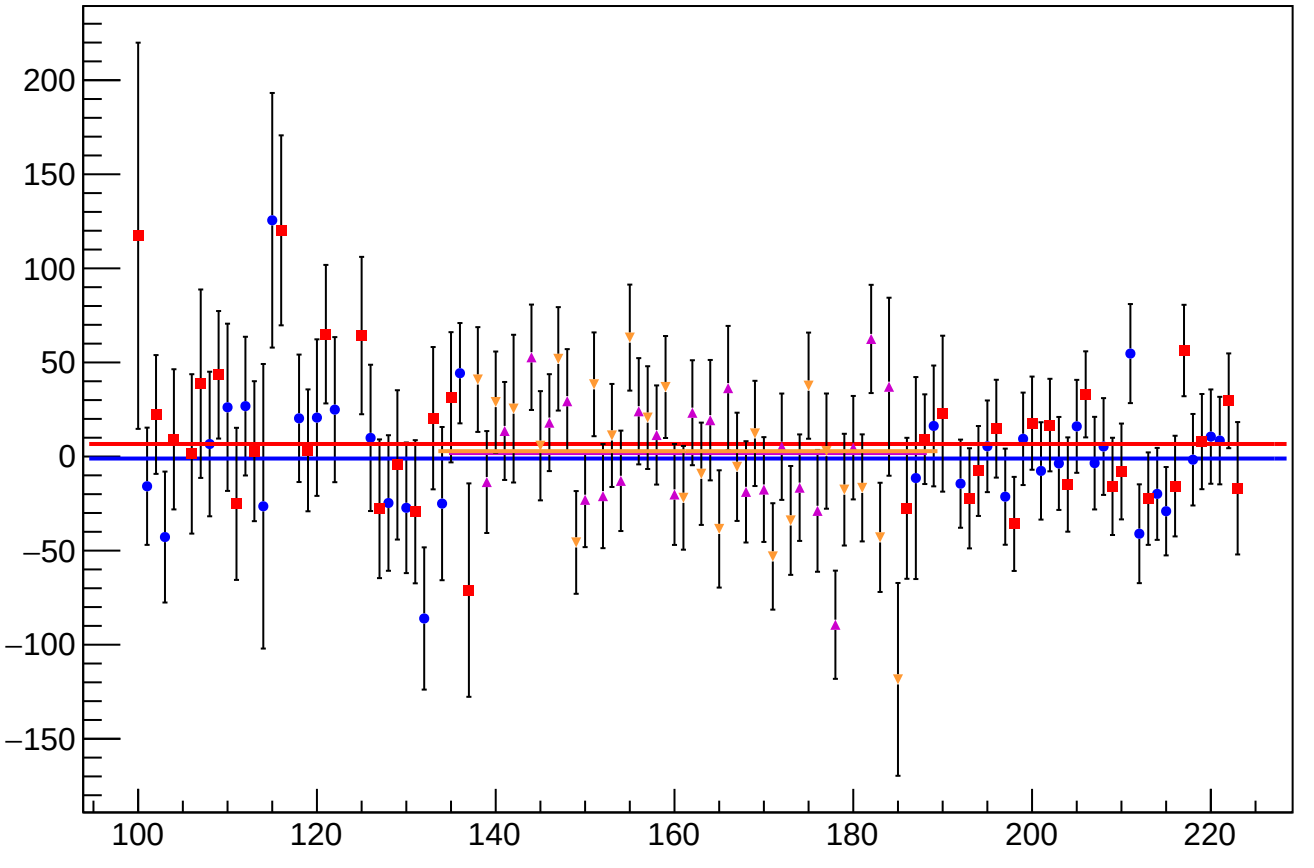
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 175.496+/-0.019 χ^2/NDF: 5825361.3/70

In: 178.604+/-0.021 χ^2/NDF:4079952.8/56

Out: 184.394+/-0.021 χ^2/NDF:5333852.4/60

All: 181.412+/-0.015 χ^2/NDF: 9451756.9/117



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

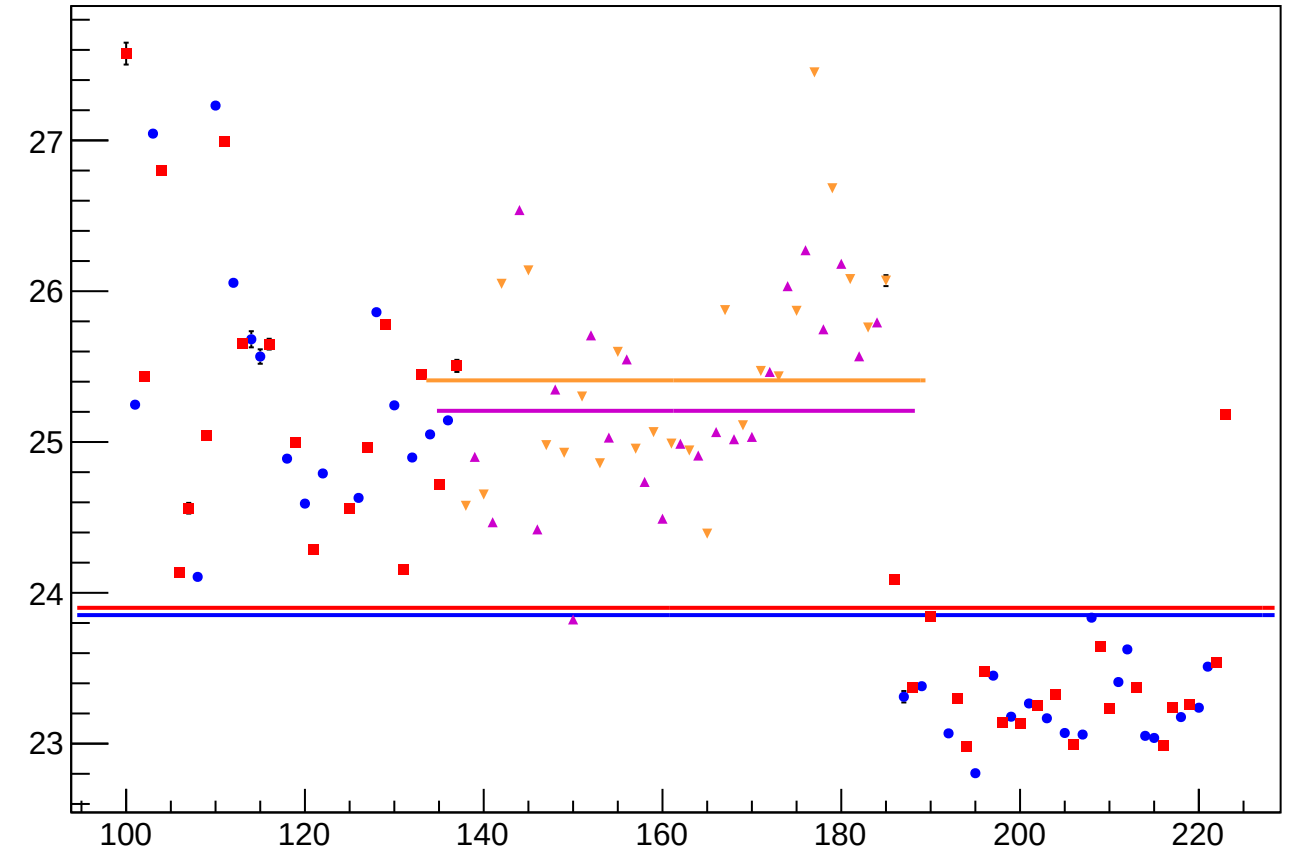
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 2.834+/-3.578 χ^2/NDF: 63.4/70

In: 0.179+/-3.848 χ^2/NDF:56.4/56

Out: 5.059+/-3.833 χ^2/NDF:71.2/60

All: 2.629+/-2.716 χ^2/NDF: 128.4/117



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

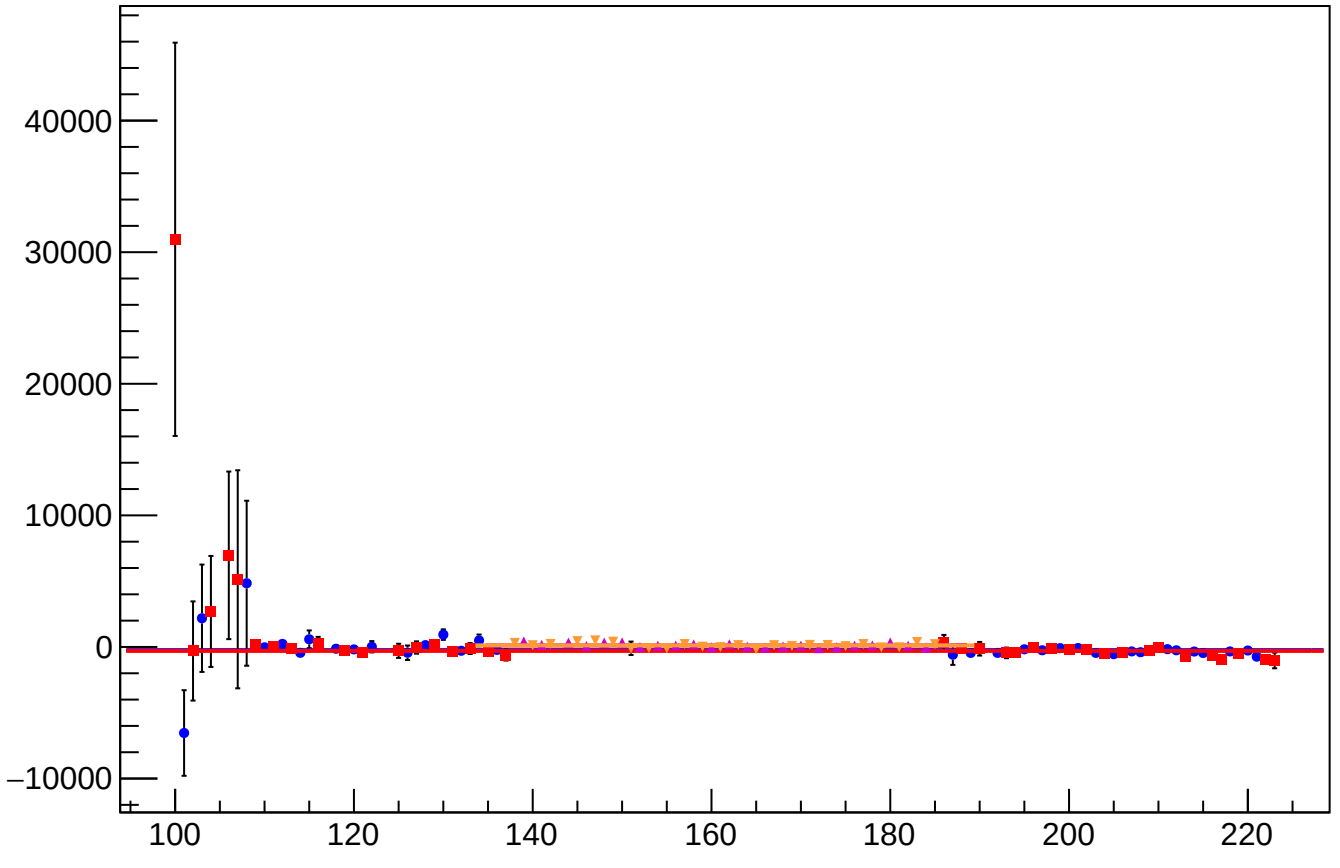
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 23.877+/-0.003 χ^2/NDF: 169237.5/70

In: 24.430+/-0.003 χ^2/NDF:174084.5/56

Out: 24.536+/-0.003 χ^2/NDF:183845.5/60

All: 24.483+/-0.002 χ^2/NDF: 358697.1/117



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

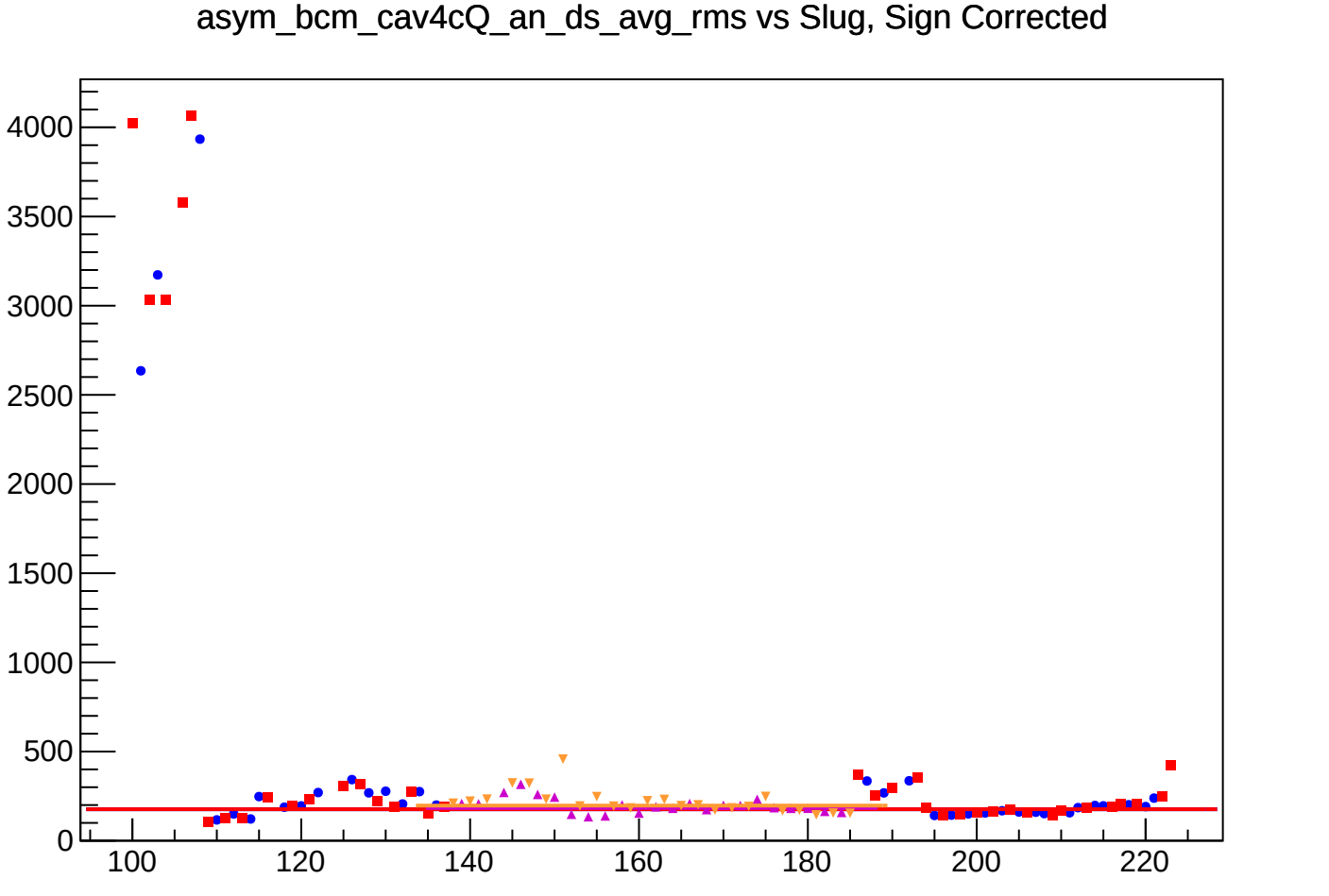
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -269.817+/-28.673 χ^2/NDF: 96.3/70

In: -82.062+/-29.963 χ^2/NDF:84.0/56

Out: -119.964+/-30.929 χ^2/NDF:111.9/60

All: -100.412+/-21.521 χ^2/NDF: 196.6/117



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

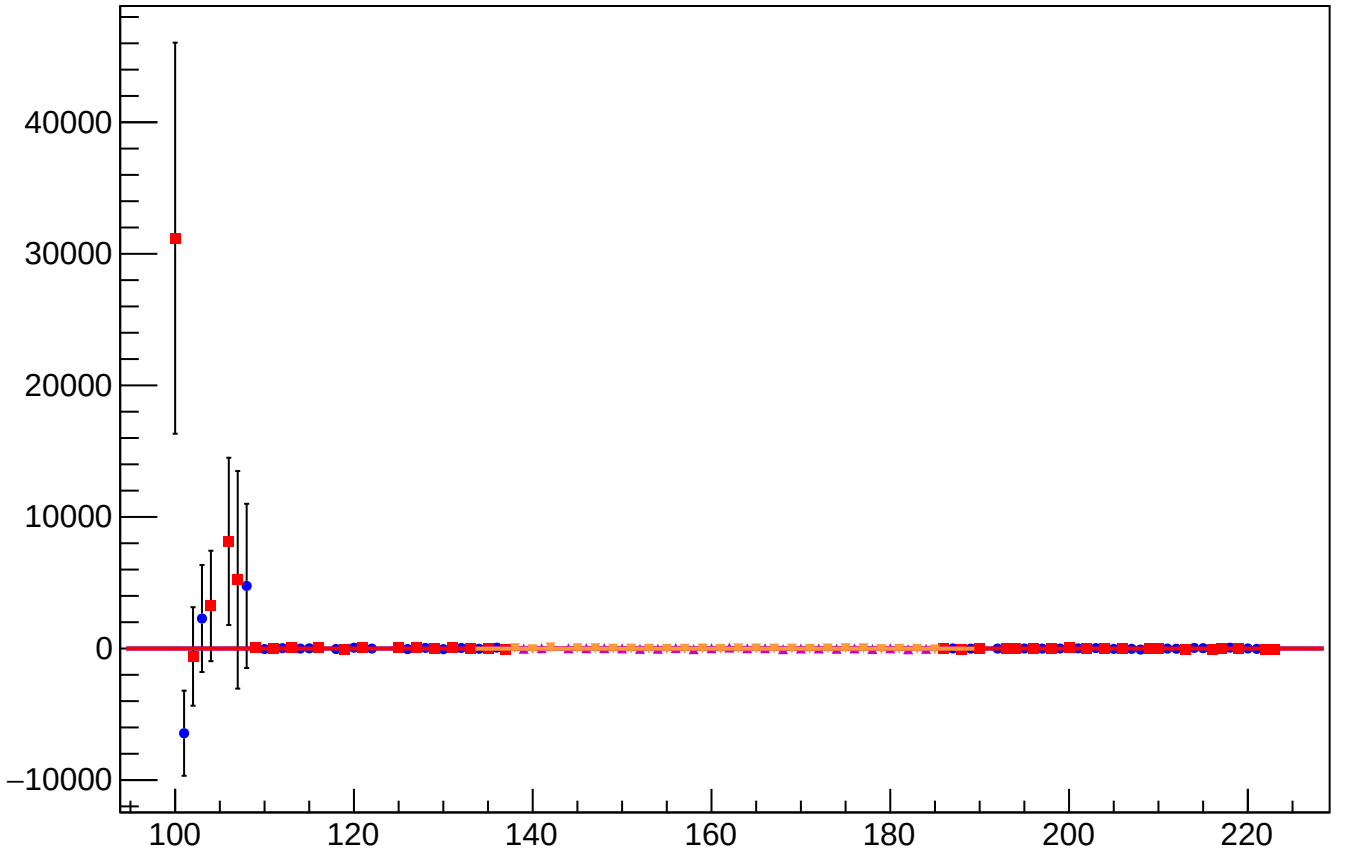
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 176.512+/-0.020 χ^2/NDF: 11170350.3/70

In: 179.831+/-0.021 χ^2/NDF:6607244.0/56

Out: 185.251+/-0.022 χ^2/NDF:8060911.5/60

All: 182.455+/-0.015 χ^2/NDF: 14699834.9/11



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

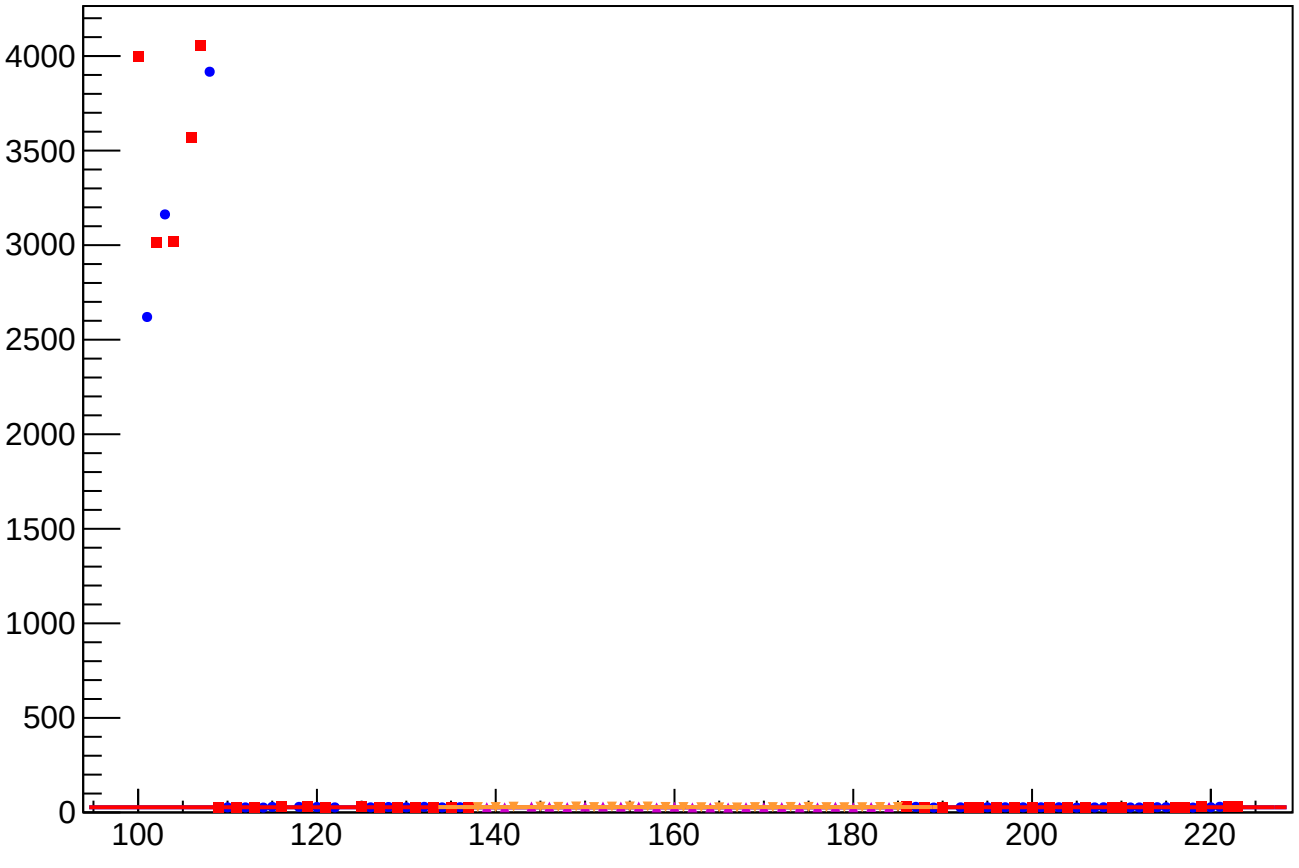
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 0.159+/-4.297 χ^2/NDF: 84.2/70

In: 1.452+/-4.499 χ^2/NDF:61.4/56

Out: -5.207+/-4.498 χ^2/NDF:63.9/60

All: -1.878+/-3.181 χ^2/NDF: 126.5/117



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

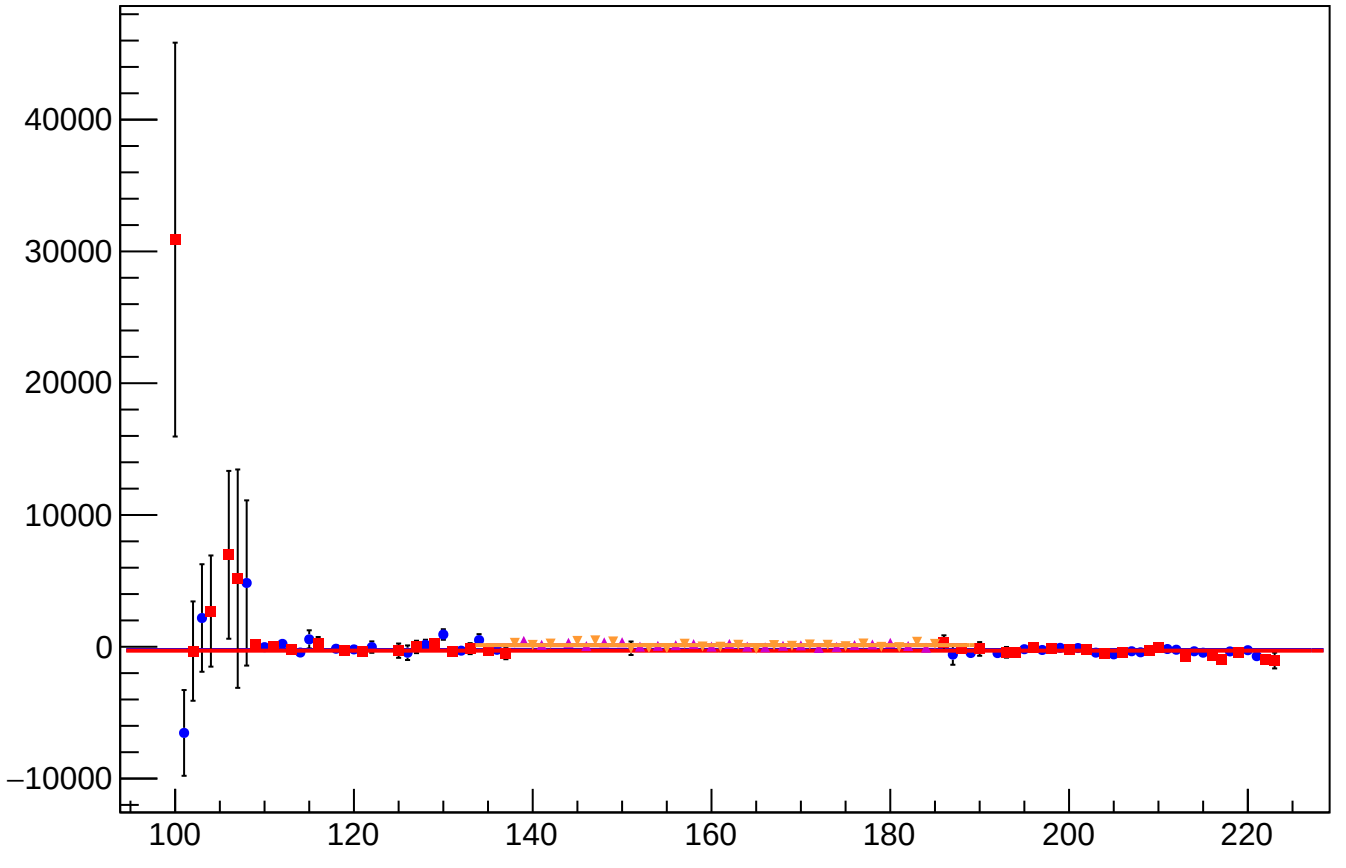
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.428+/-0.003 χ^2/NDF: 6991407.8/70

In: 27.947+/-0.003 χ^2/NDF:3488639.3/56

Out: 28.021+/-0.003 χ^2/NDF:3785486.6/60

All: 27.984+/-0.002 χ^2/NDF: 7274397.6/117



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

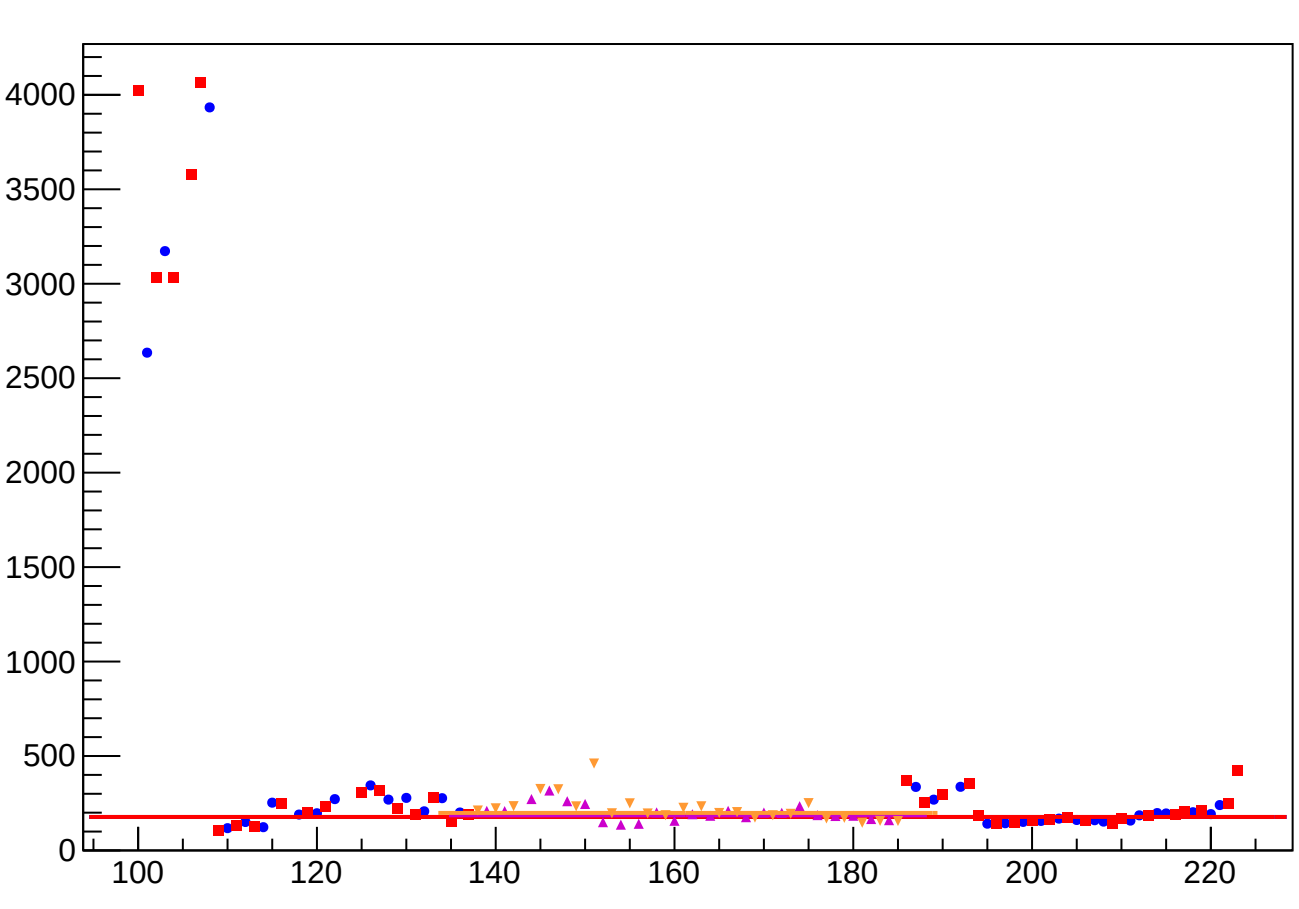
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -269.894+/-28.791 χ^2/NDF: 93.9/70

In: -81.700+/-30.157 χ^2/NDF:84.6/56

Out: -116.605+/-31.114 χ^2/NDF:109.8/60

All: -98.607+/-21.655 χ^2/NDF: 195.0/117



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

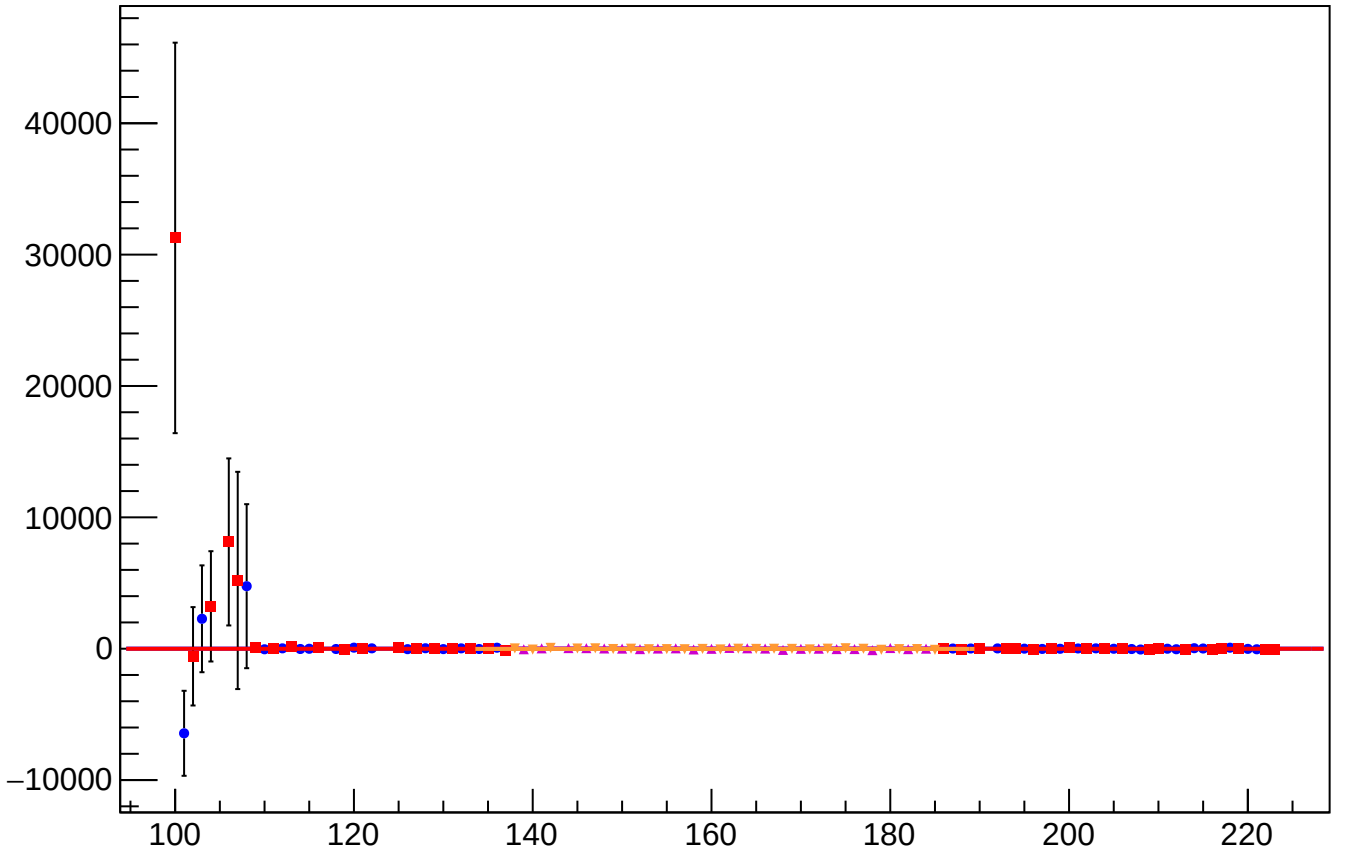
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 177.267+/-0.020 χ^2/NDF: 11153474.7/70

In: 181.046+/-0.021 χ^2/NDF:6571487.7/56

Out: 186.398+/-0.022 χ^2/NDF:8045338.8/60

All: 183.638+/-0.015 χ^2/NDF: 14647333.5/1



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

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

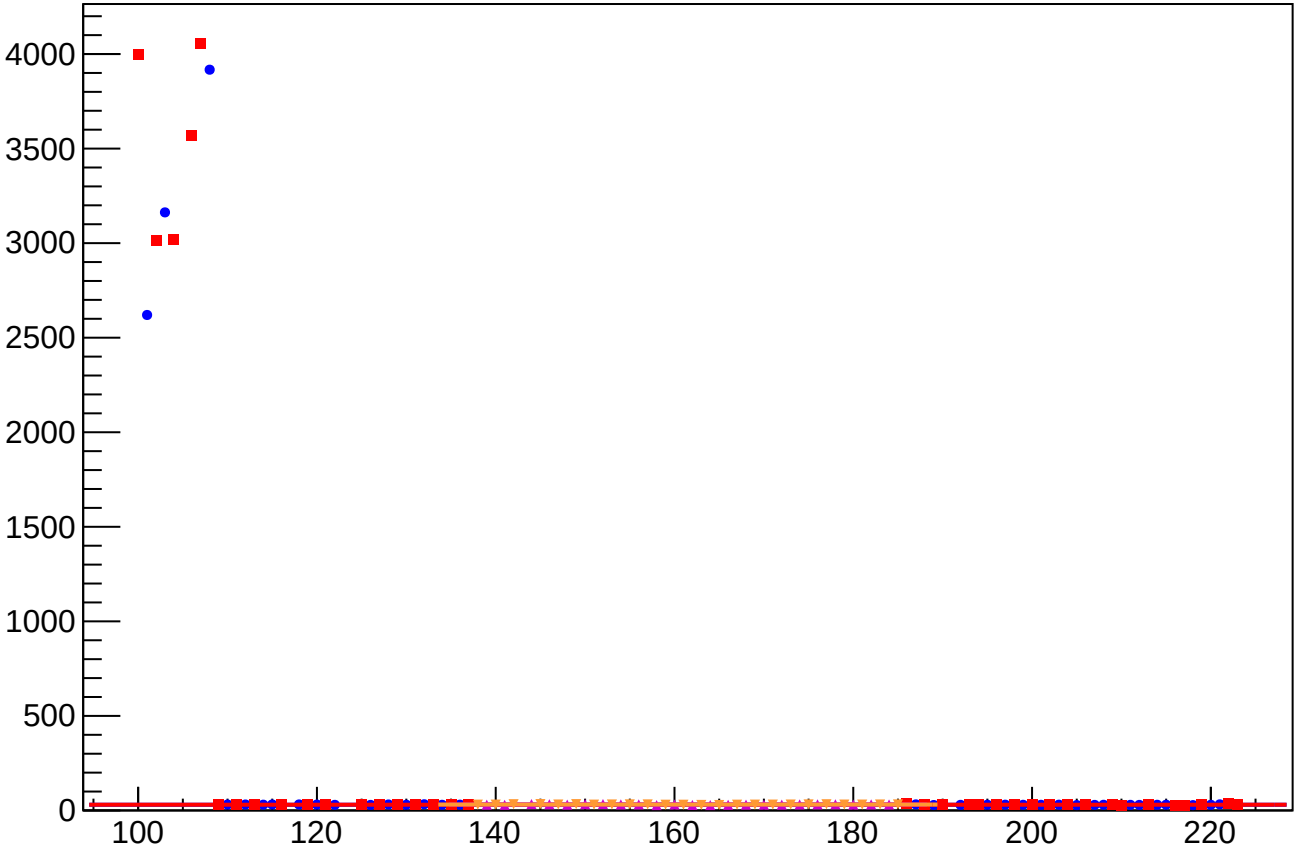
Right: -0.451+/-4.730 χ^2/NDF: 83.9/70

In: 1.161+/-4.935 χ^2/NDF:70.1/56

Out: -11.259+/-4.931 χ^2/NDF:70.8/60

All: -5.054+/-3.488 χ^2/NDF: 144.0/117

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



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

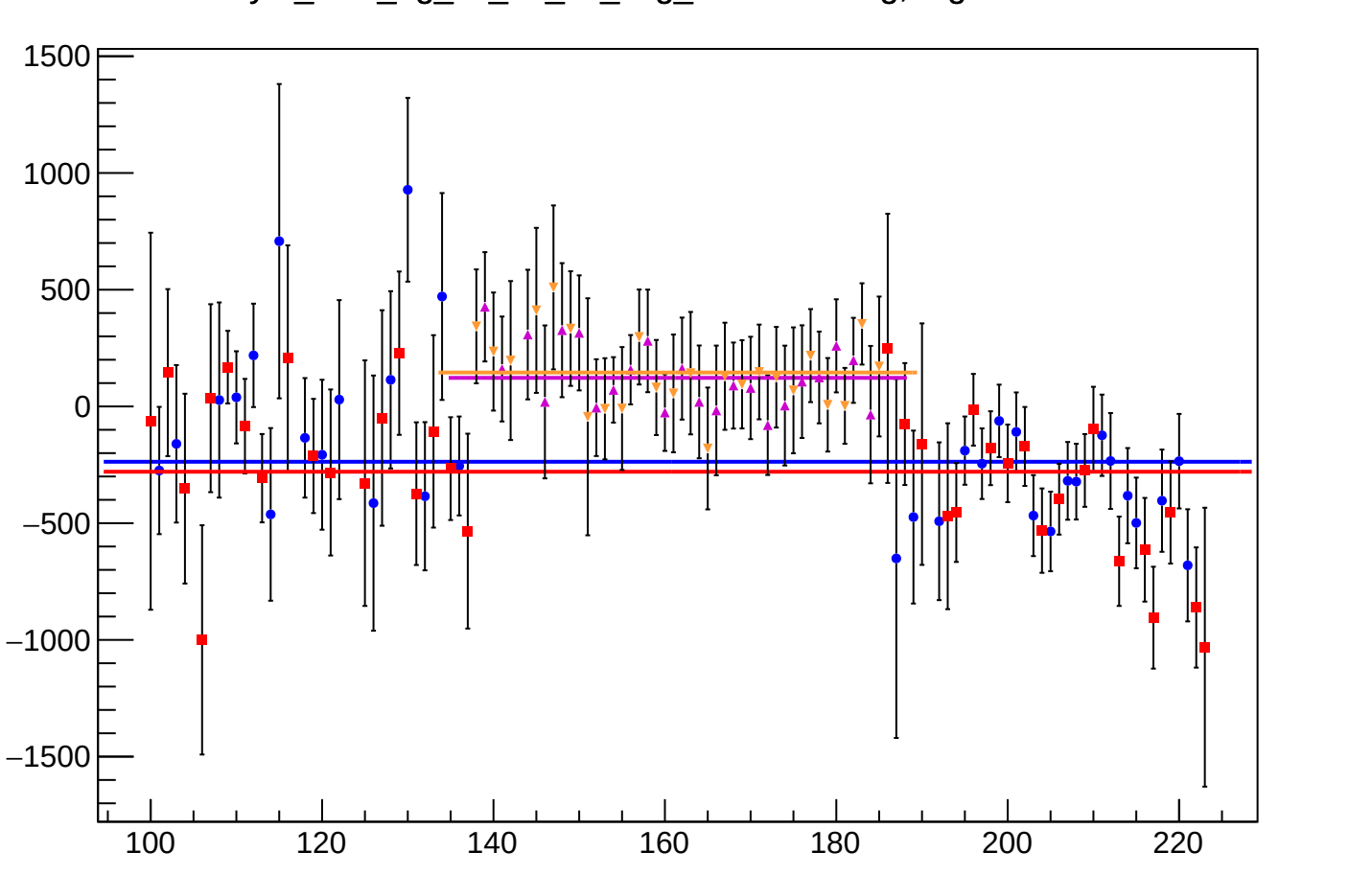
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

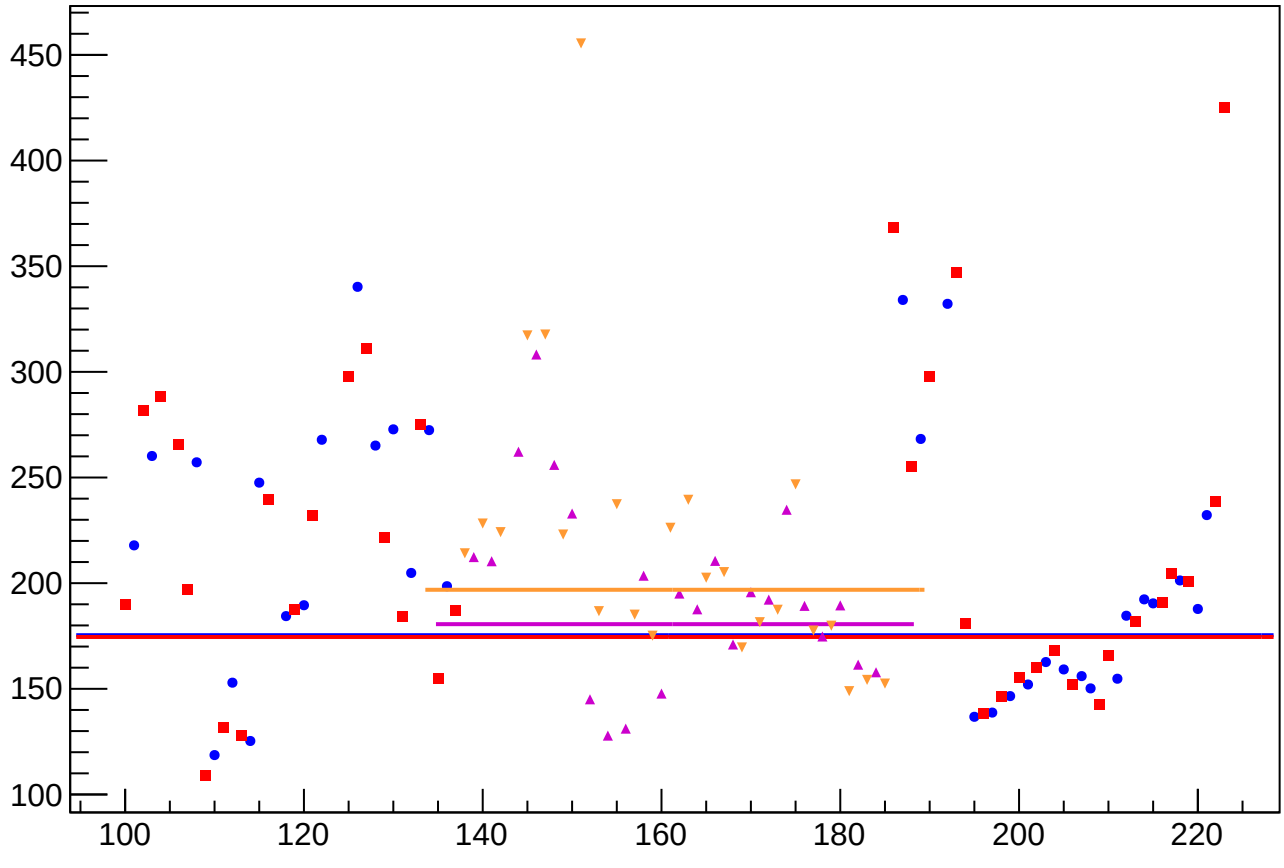
Right: 30.213+/-0.003 χ^2/NDF: 6918771.1/70

In: 30.674+/-0.003 χ^2/NDF:3410747.9/56

Out: 30.743+/-0.003 χ^2/NDF:3689085.5/60

All: 30.709+/-0.002 χ^2/NDF: 7100031.5/117


asym_bcm_dg_us_an_us_avg_mean vs Slug, Sign Corrected
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: 145.314+/-47.390 χ²/NDF:9.4/23
Right Out: -279.661+/-38.802 χ²/NDF: 49.2/36
Left In: 122.376+/-44.081 χ²/NDF:7.9/22
Left: 133.016+/-32.277 χ²/NDF: 17.4/46
Right: -258.305+/-27.436 χ²/NDF: 87.2/70
In: -80.104+/-29.124 χ²/NDF:82.7/56
Out: -109.101+/-30.023 χ²/NDF:106.7/60
All: -94.162+/-20.904 χ²/NDF: 189.9/117



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

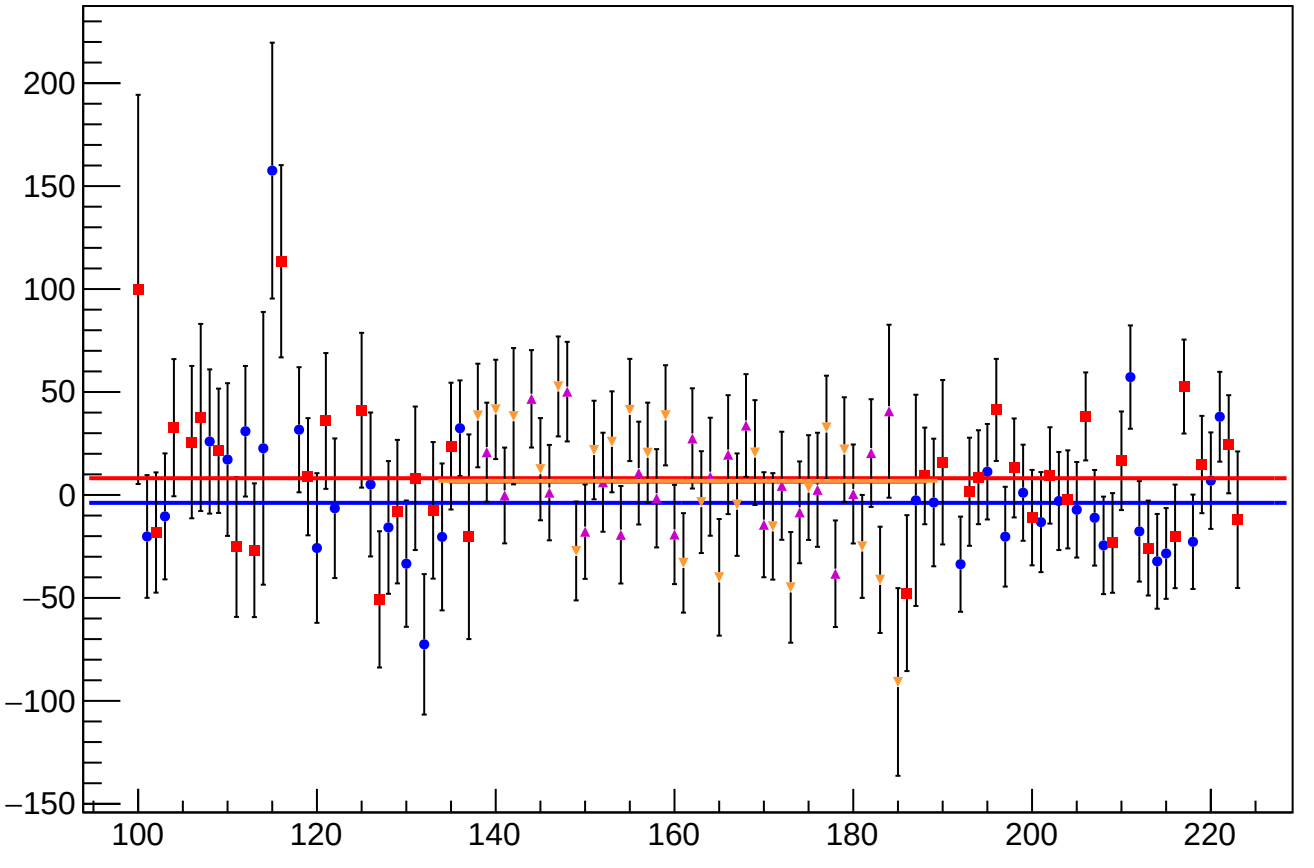
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 174.957+/-0.019 χ^2/NDF: 5816125.8/70

In: 177.656+/-0.021 χ^2/NDF:4110314.1/56

Out: 183.502+/-0.021 χ^2/NDF:5340307.0/60

All: 180.490+/-0.015 χ^2/NDF: 9489687.0/117



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

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

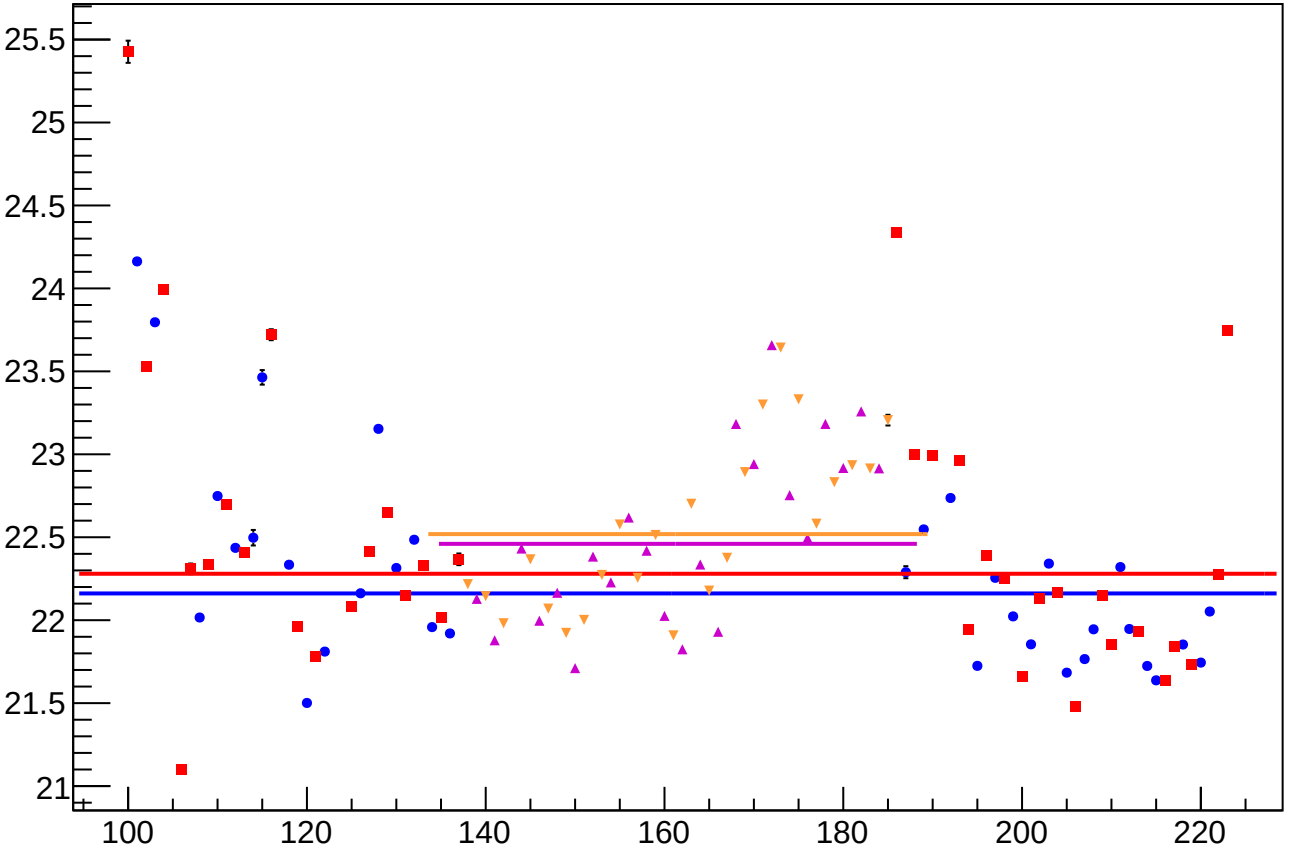
Right: 2.180+/-3.327 χ^2/NDF: 72.5/70

In: 0.778+/-3.507 χ^2/NDF:55.9/56

Out: 7.565+/-3.493 χ^2/NDF:69.8/60

All: 4.185+/-2.475 χ^2/NDF: 127.6/117

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



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

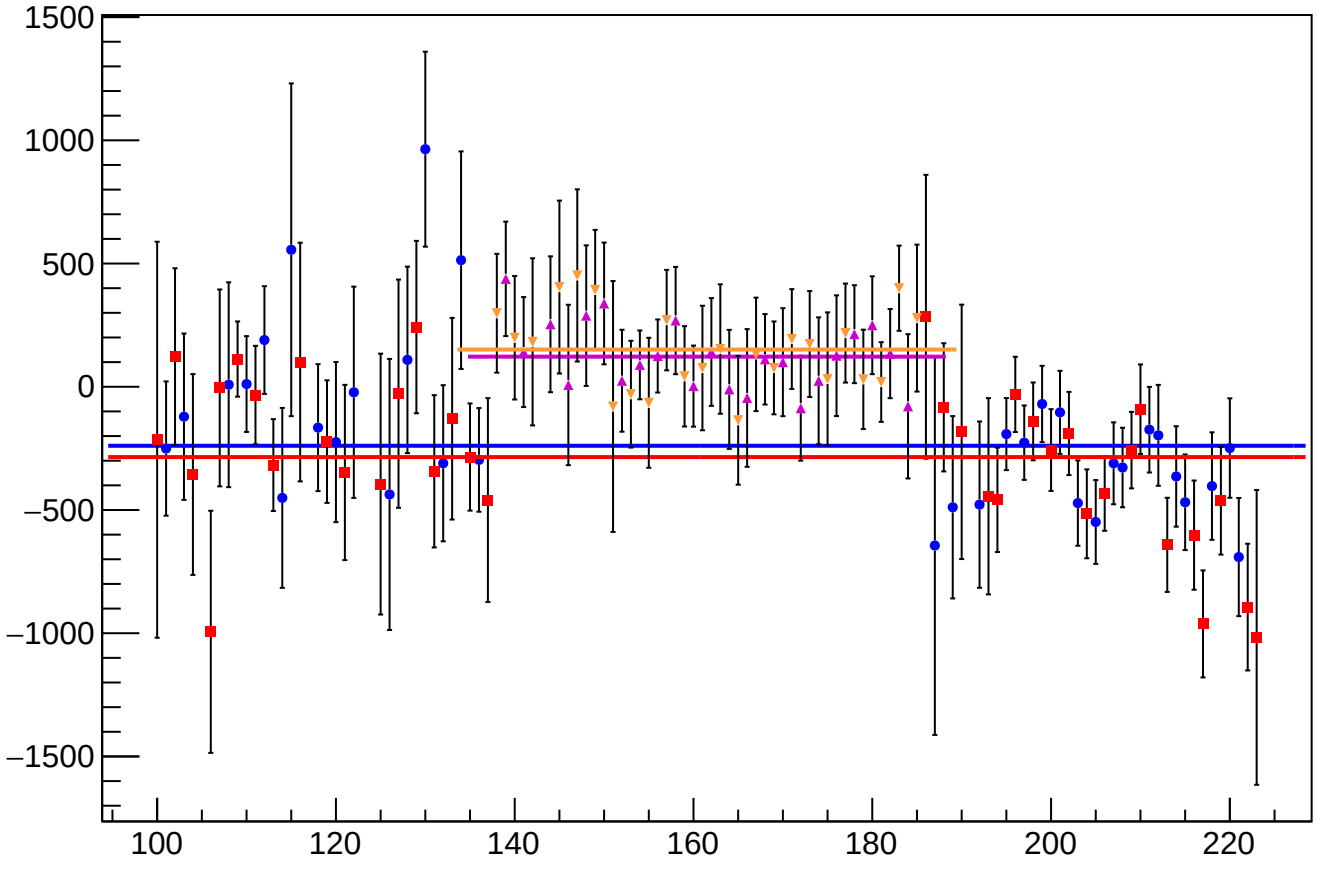
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.221+/-0.002 χ^2/NDF: 67307.6/70

In: 22.295+/-0.002 χ^2/NDF:49929.0/56

Out: 22.387+/-0.002 χ^2/NDF:57763.9/60

All: 22.341+/-0.002 χ^2/NDF: 108379.6/117



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

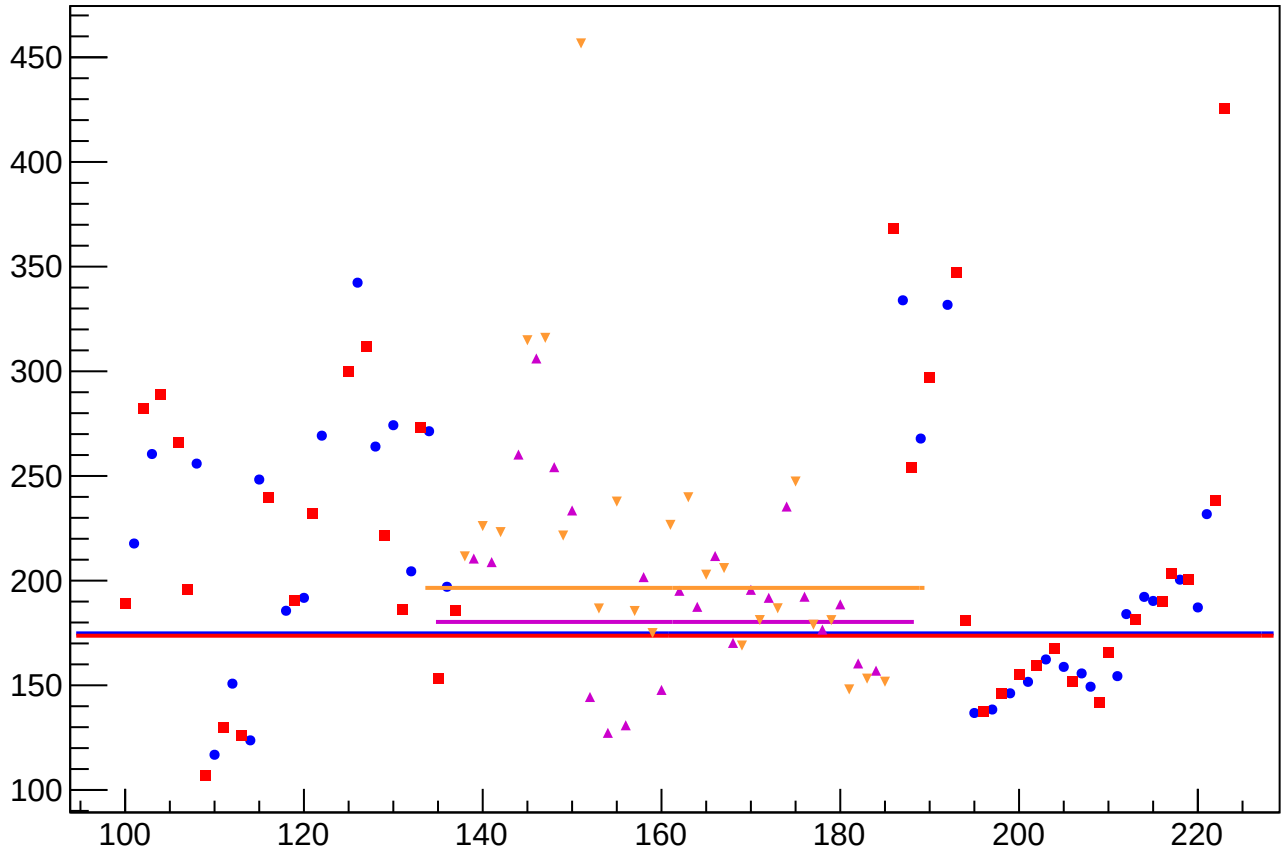
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -262.368+/-27.343 χ^2/NDF: 86.1/70

In: -81.777+/-29.055 χ^2/NDF:81.7/56

Out: -110.639+/-29.933 χ^2/NDF:110.2/60

All: -95.779+/-20.849 χ^2/NDF: 192.4/117



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

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

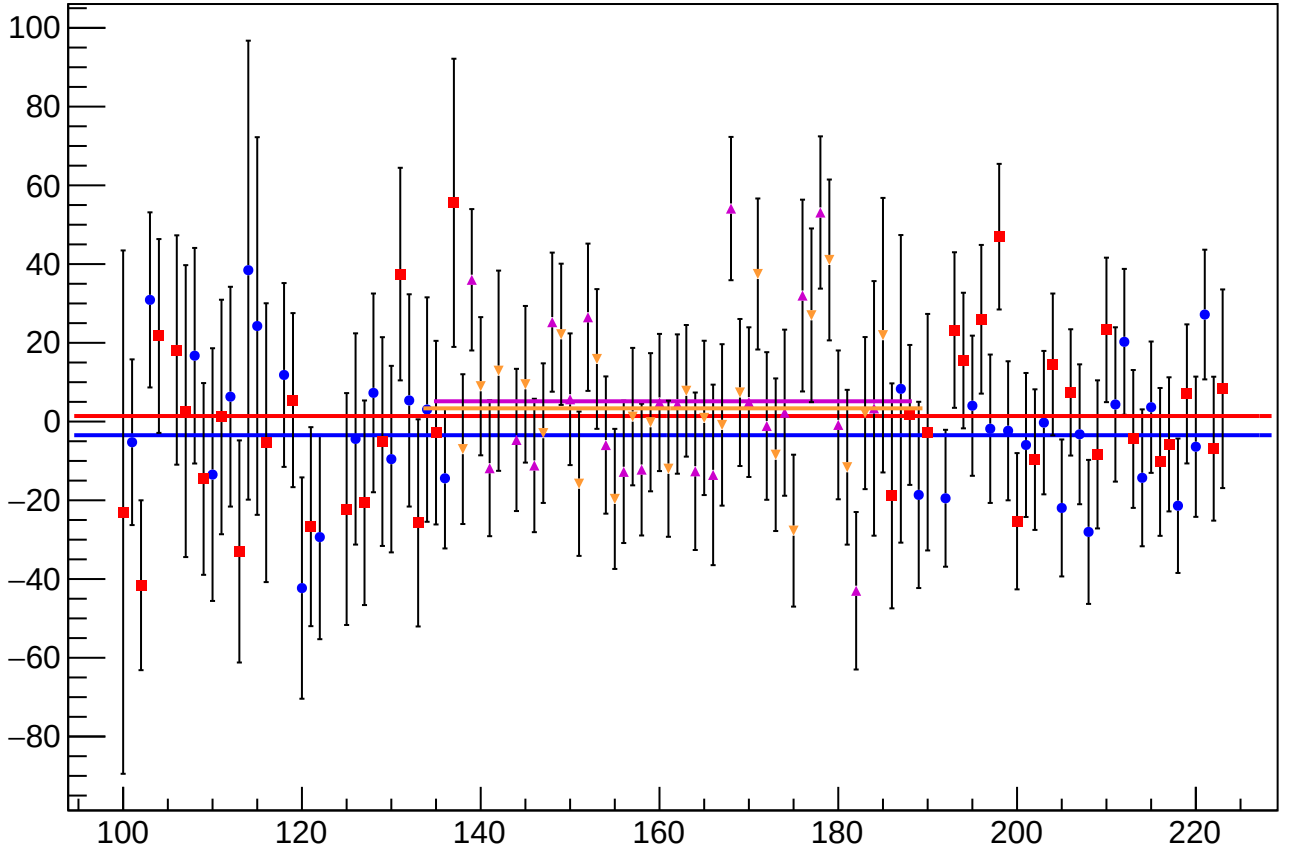
Right: 174.245+/-0.019 χ^2/NDF: 5924358.2/70

In: 177.186+/-0.021 χ^2/NDF:4141259.4/56

Out: 182.833+/-0.021 χ^2/NDF:5431863.9/60

All: 179.926+/-0.015 χ^2/NDF: 9609775.8/117

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



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

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

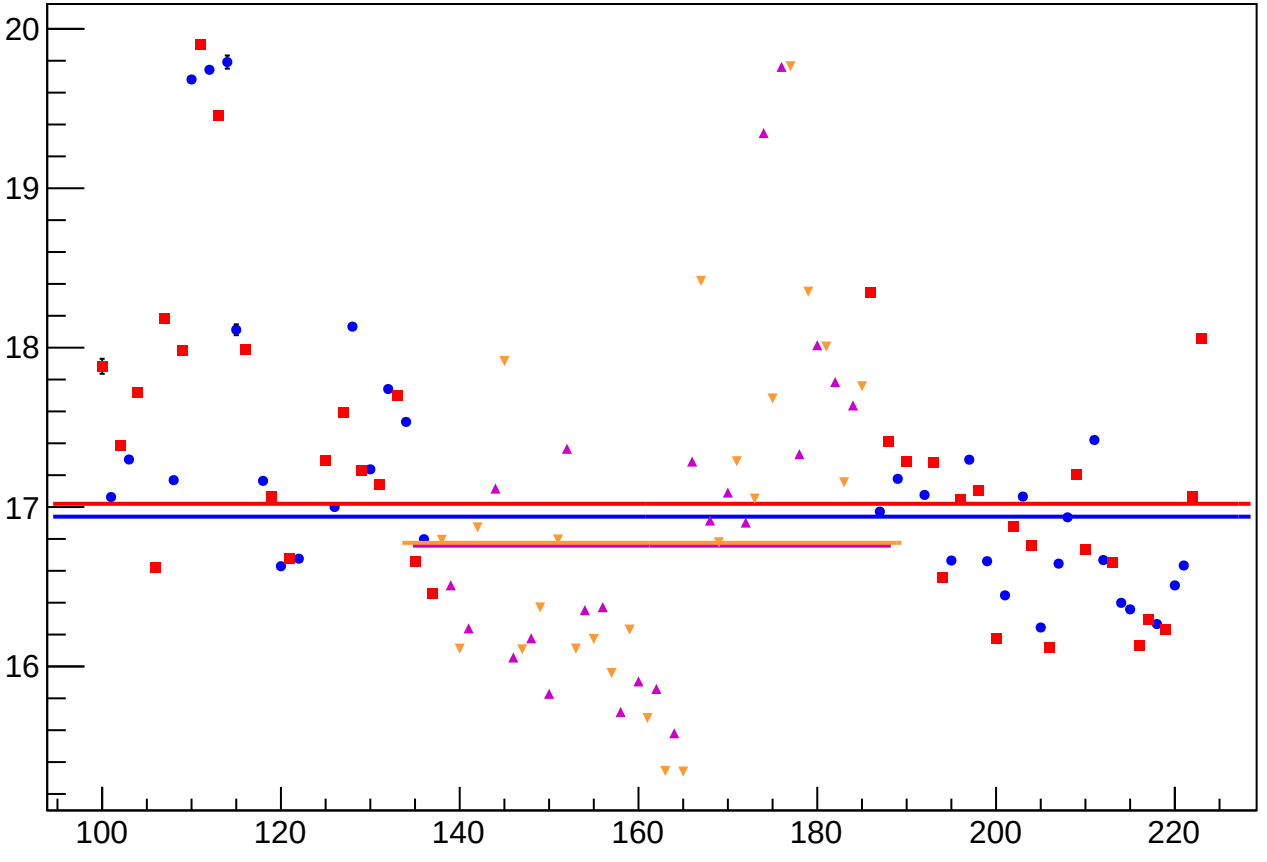
Right: -1.017+/-2.545 χ^2/NDF: 51.7/70

In: 0.483+/-2.657 χ^2/NDF:54.5/56

Out: 2.301+/-2.643 χ^2/NDF:49.0/60

All: 1.396+/-1.874 χ^2/NDF: 103.8/117

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



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

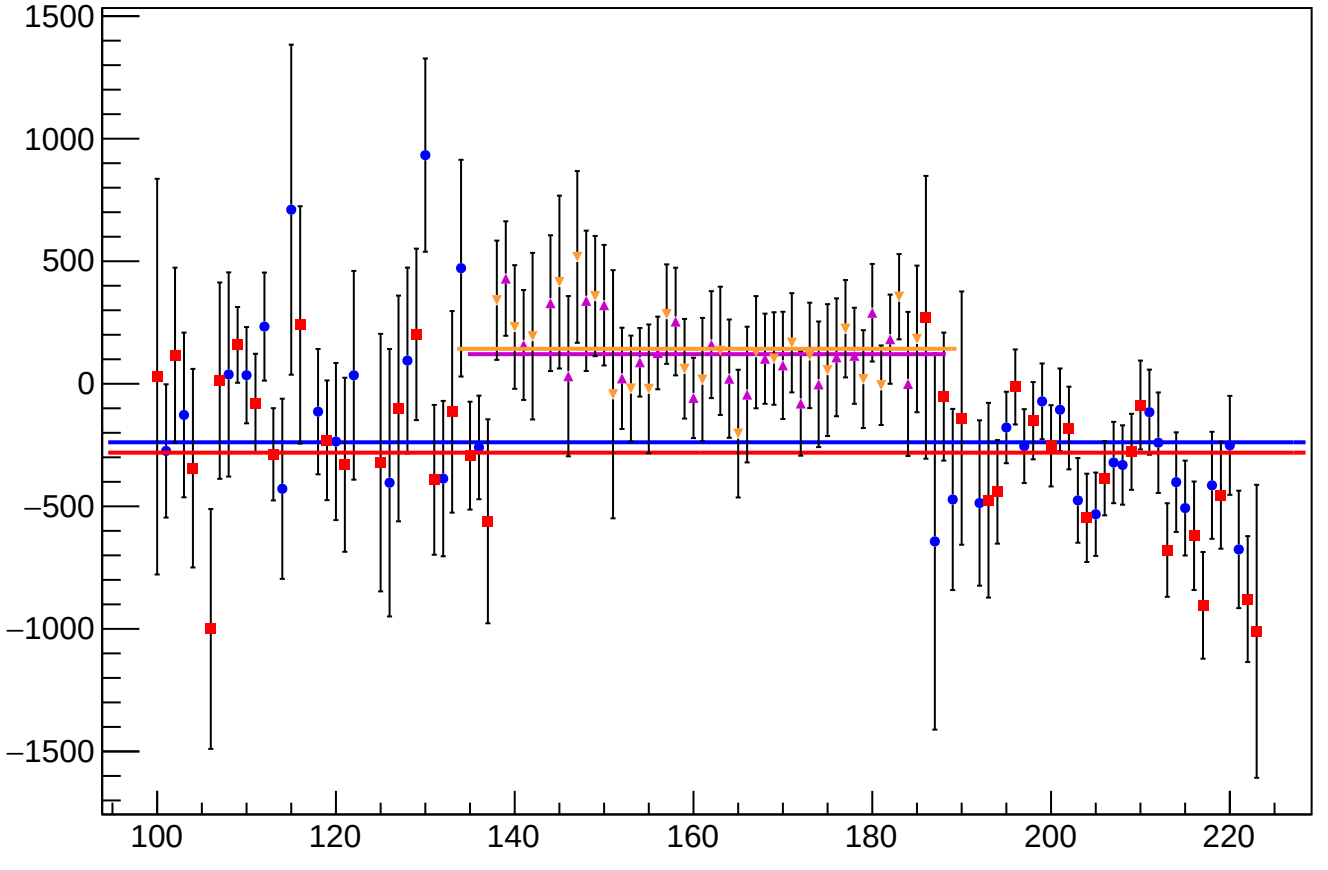
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 16.980+/-0.002 χ^2/NDF: 151469.5/70

In: 16.856+/-0.002 χ^2/NDF:193613.9/56

Out: 16.908+/-0.002 χ^2/NDF:223386.3/60

All: 16.882+/-0.001 χ^2/NDF: 417385.0/117



Right In: -238.670+/-38.681 χ^2/NDF: 38.2/33

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -280.976+/-38.688 χ^2/NDF: 50.2/36

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

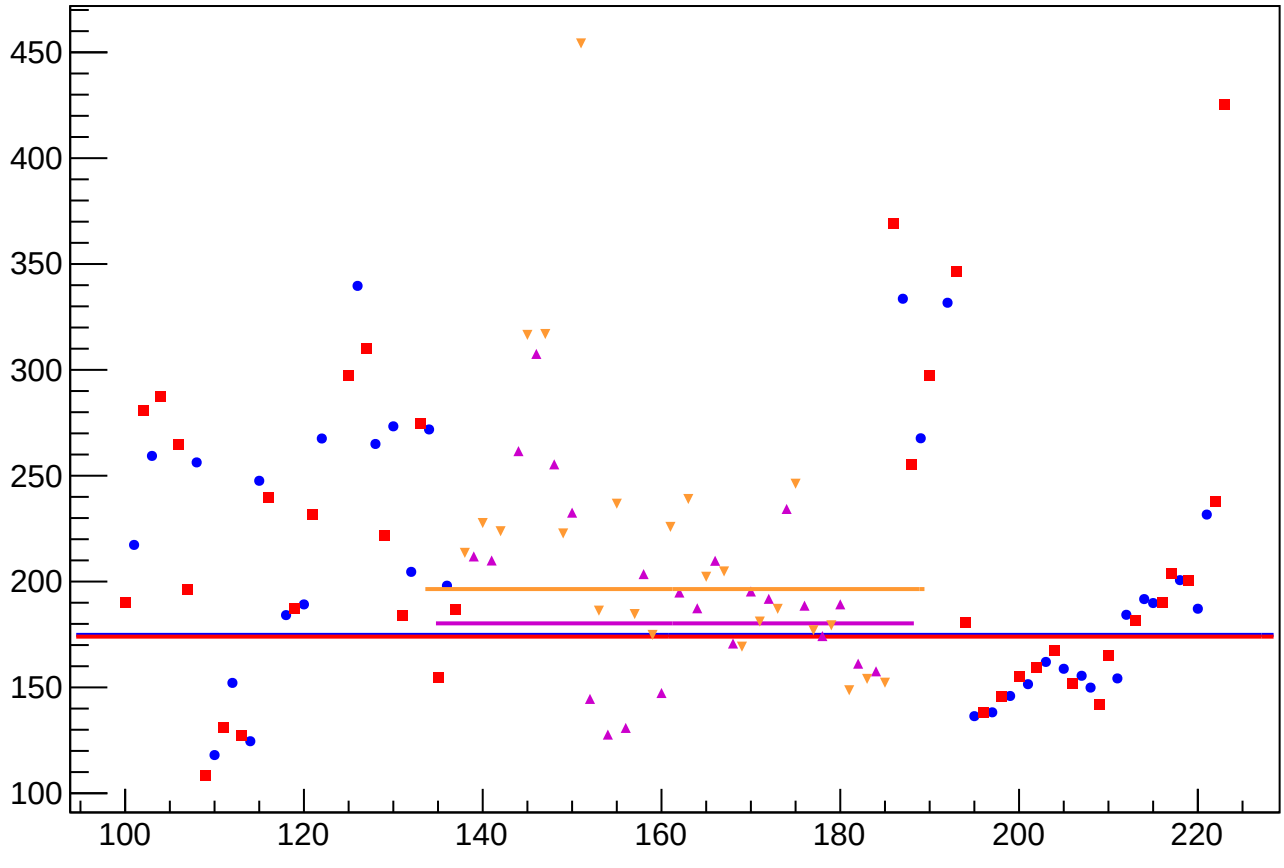
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -259.819+/-27.354 χ^2/NDF: 88.9/70

In: -81.903+/-29.050 χ^2/NDF:84.1/56

Out: -111.098+/-29.943 χ^2/NDF:108.4/60

All: -96.058+/-20.850 χ^2/NDF: 193.0/117



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

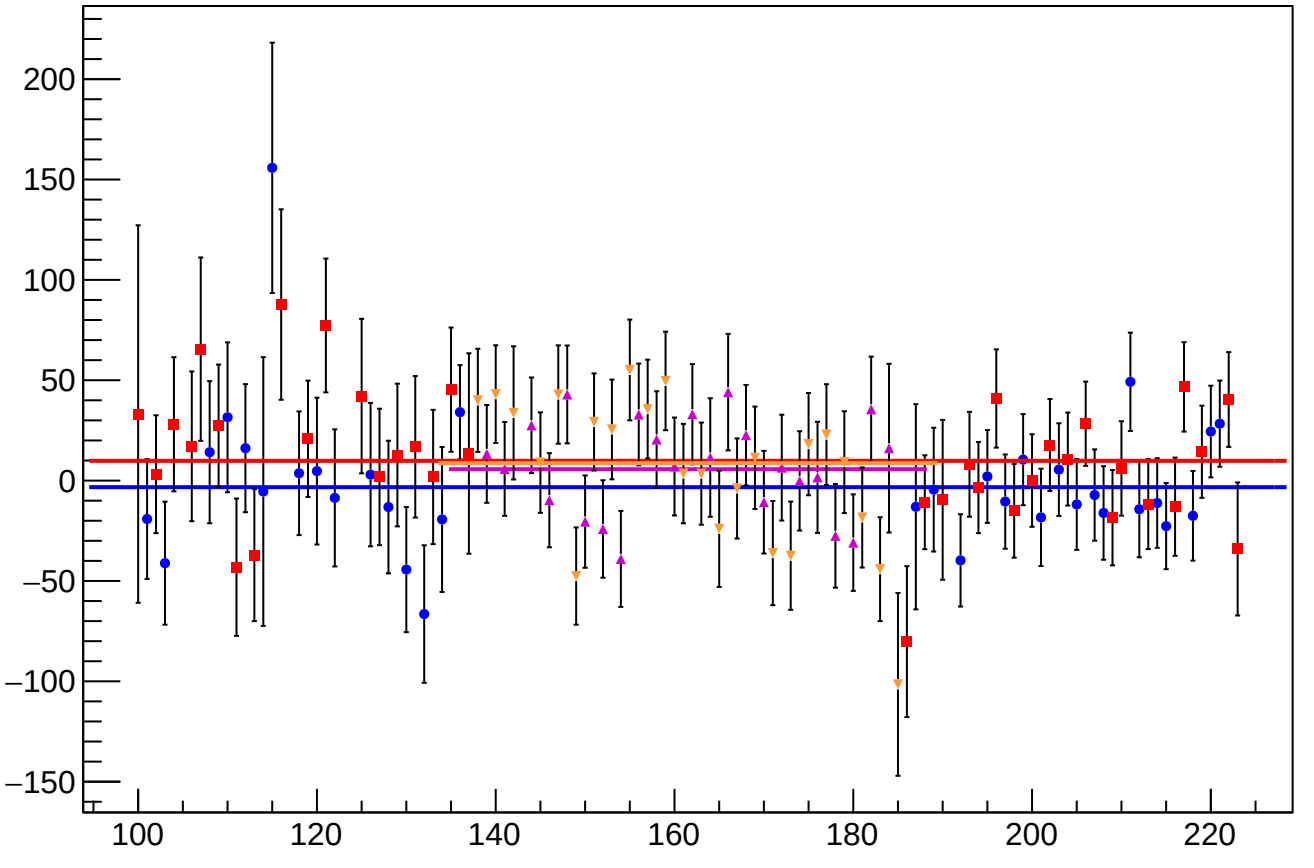
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 174.401+/-0.019 χ^2/NDF: 5849636.1/70

In: 177.186+/-0.021 χ^2/NDF:4124545.1/56

Out: 182.992+/-0.021 χ^2/NDF:5363601.6/60

All: 180.001+/-0.015 χ^2/NDF: 9526883.2/117



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

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

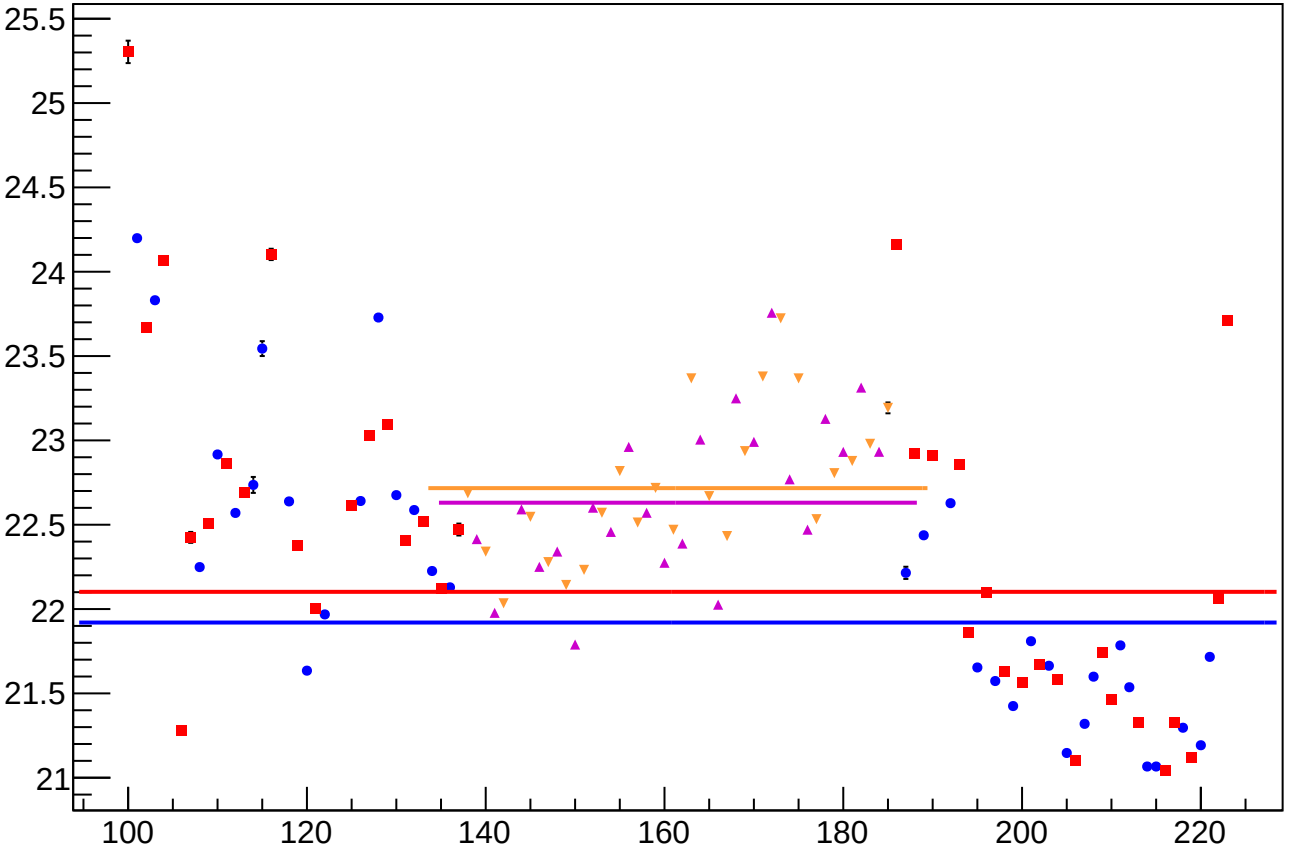
Right: 3.296+/-3.297 χ^2/NDF: 71.9/70

In: 0.643+/-3.498 χ^2/NDF:54.2/56

Out: 9.326+/-3.492 χ^2/NDF:75.4/60

All: 4.993+/-2.471 χ^2/NDF: 132.7/117

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



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

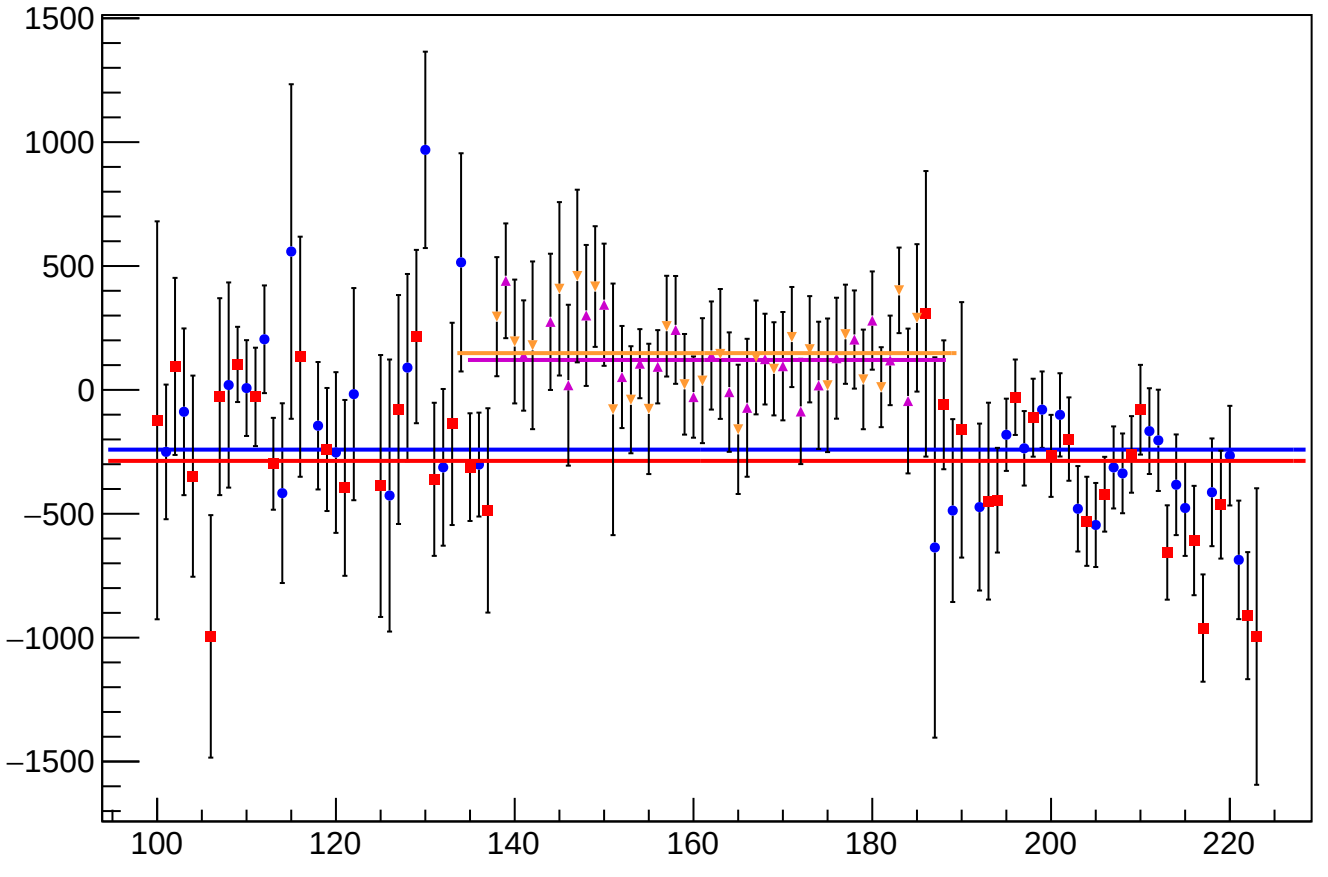
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.011+/-0.002 χ^2/NDF: 118284.4/70

In: 22.231+/-0.002 χ^2/NDF:88486.2/56

Out: 22.371+/-0.002 χ^2/NDF:91415.3/60

All: 22.301+/-0.002 χ^2/NDF: 181512.8/117



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

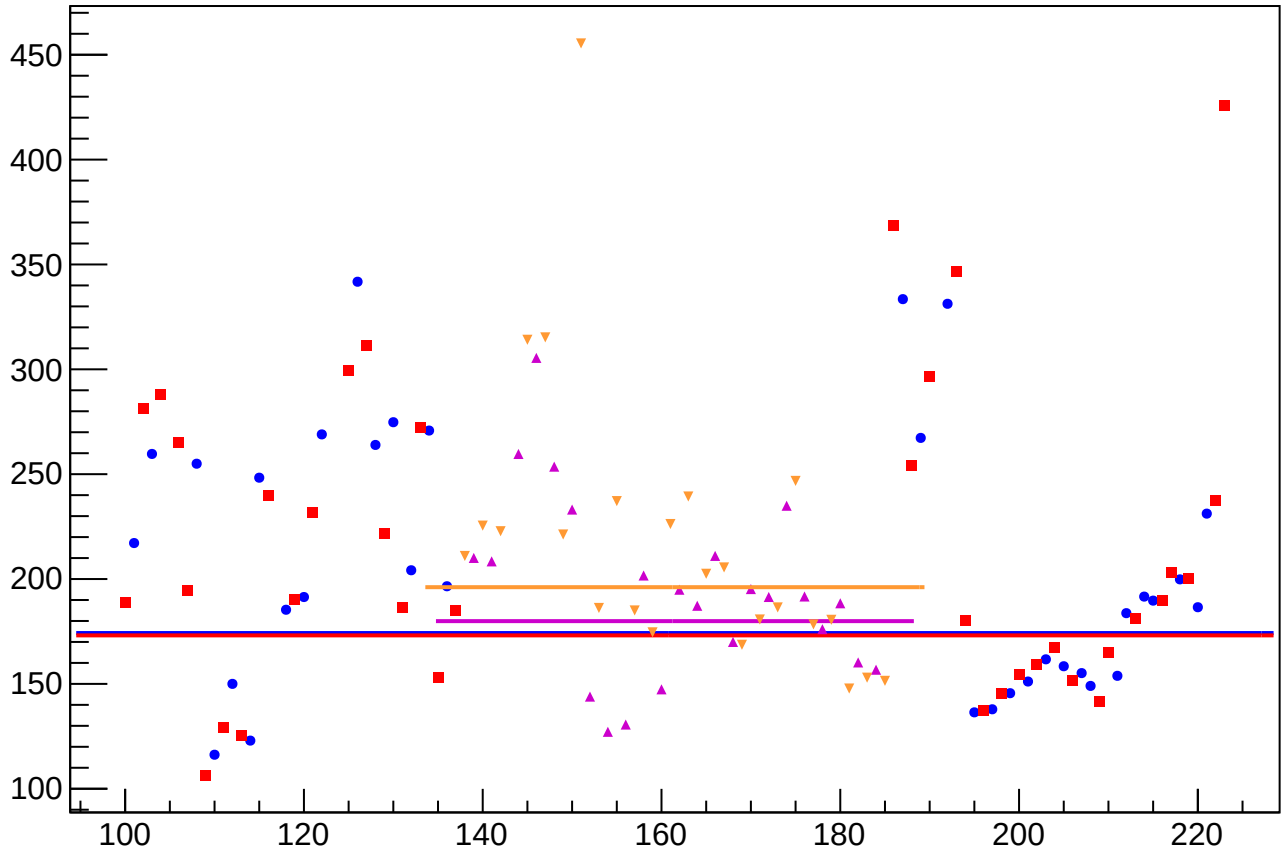
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -263.856+/-27.261 χ^2/NDF: 87.7/70

In: -83.537+/-28.981 χ^2/NDF:83.1/56

Out: -112.653+/-29.854 χ^2/NDF:112.0/60

All: -97.663+/-20.794 χ^2/NDF: 195.6/117



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

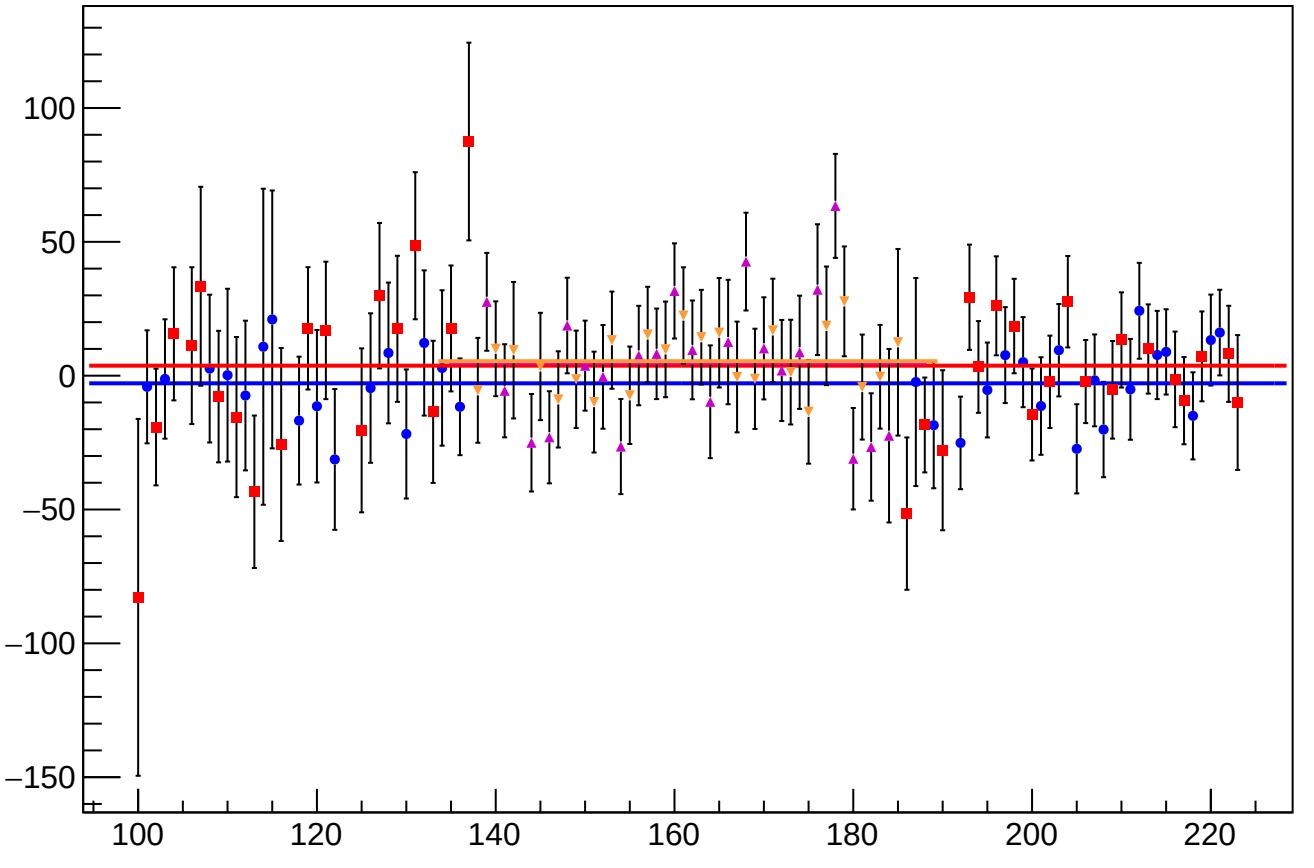
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 173.684+/-0.019 χ^2/NDF: 5959351.1/70

In: 176.714+/-0.020 χ^2/NDF:4155891.3/56

Out: 182.319+/-0.021 χ^2/NDF:5456383.7/60

All: 179.434+/-0.015 χ^2/NDF: 9648569.5/117



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

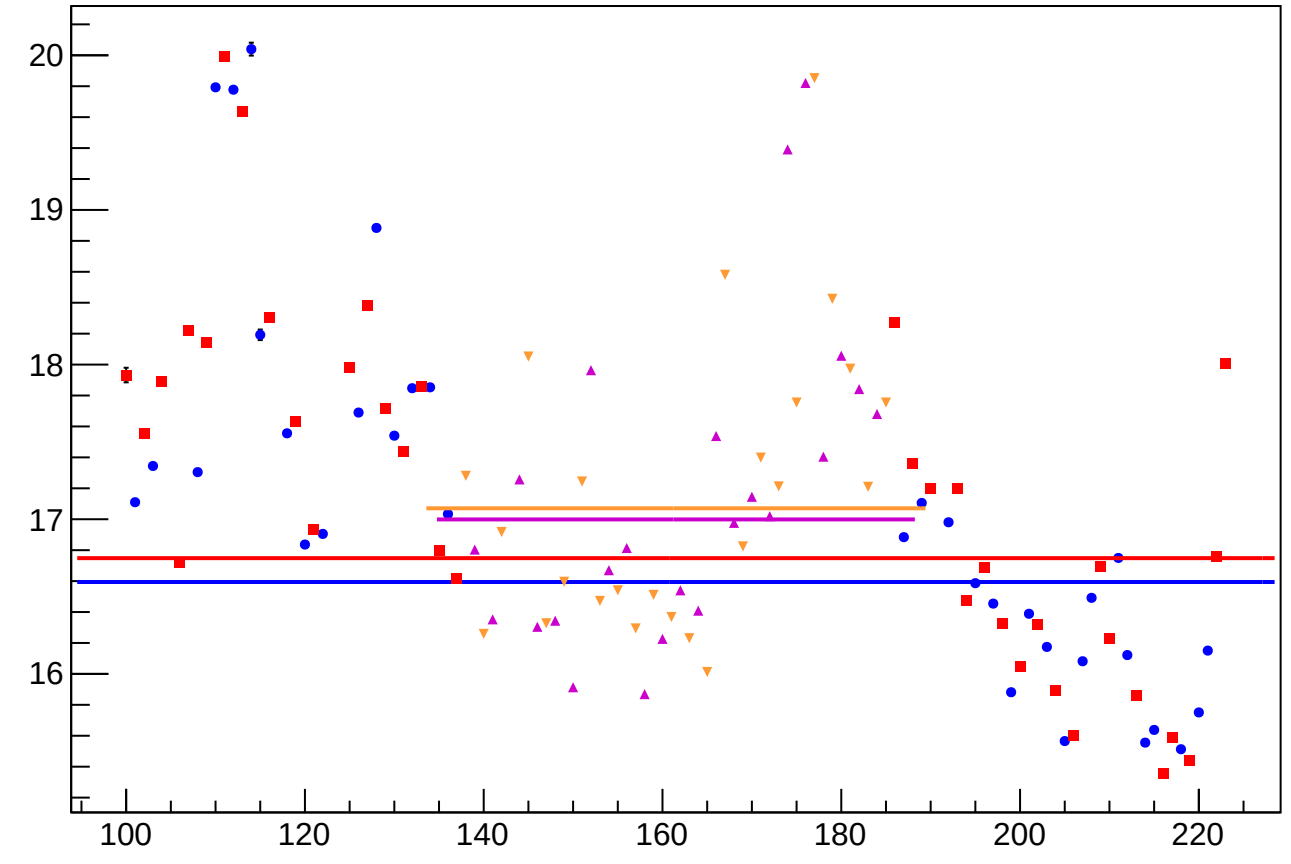
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: 0.443+/-2.501 χ^2/NDF: 52.0/70

In: 0.550+/-2.644 χ^2/NDF:53.6/56

Out: 4.475+/-2.641 χ^2/NDF:42.1/60

All: 2.515+/-1.869 χ^2/NDF: 96.8/117



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

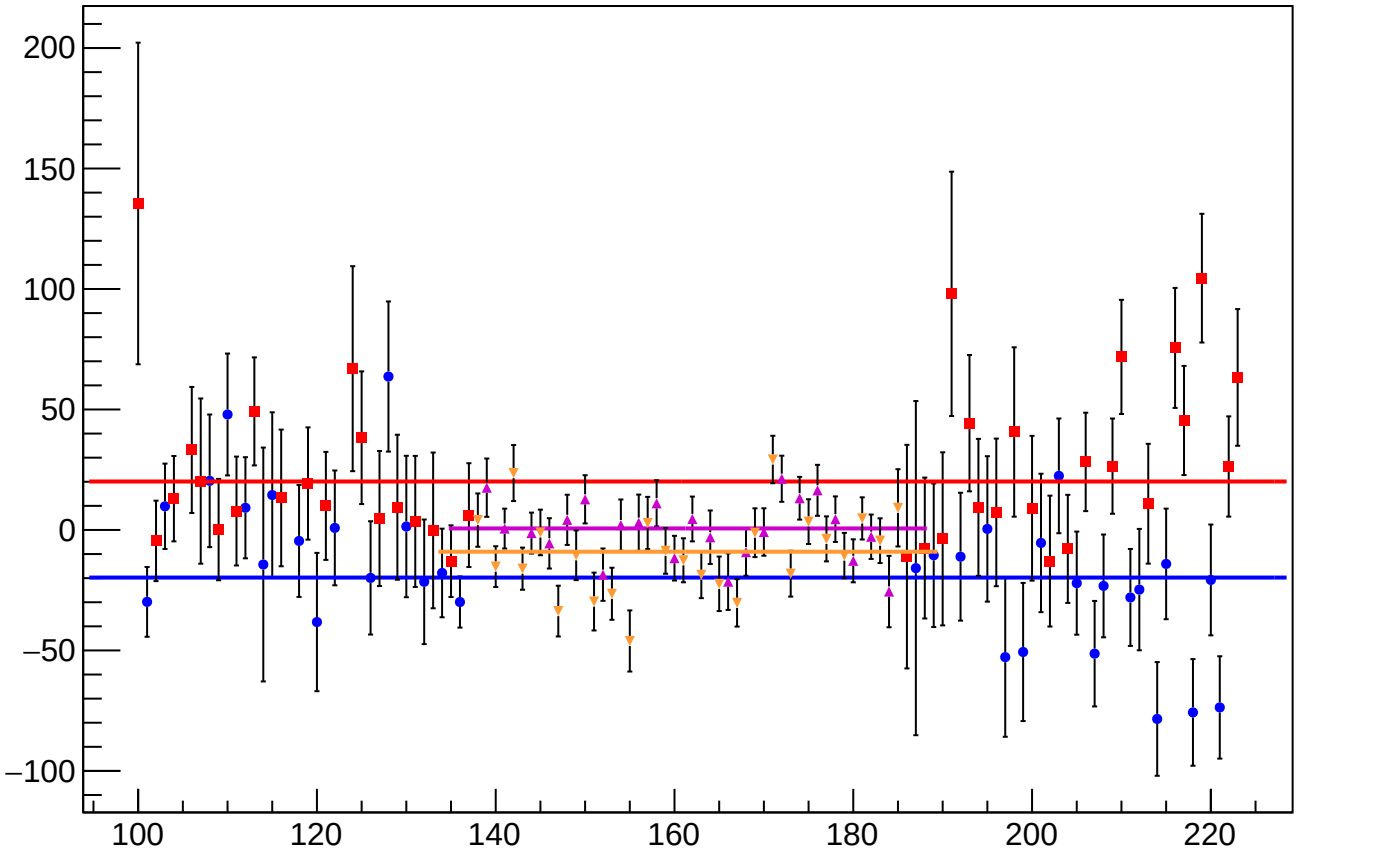
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 16.671+/-0.002 χ^2/NDF: 308565.4/70

In: 16.773+/-0.002 χ^2/NDF:257755.7/56

Out: 16.891+/-0.002 χ^2/NDF:268125.7/60

All: 16.832+/-0.001 χ^2/NDF: 527879.8/117



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

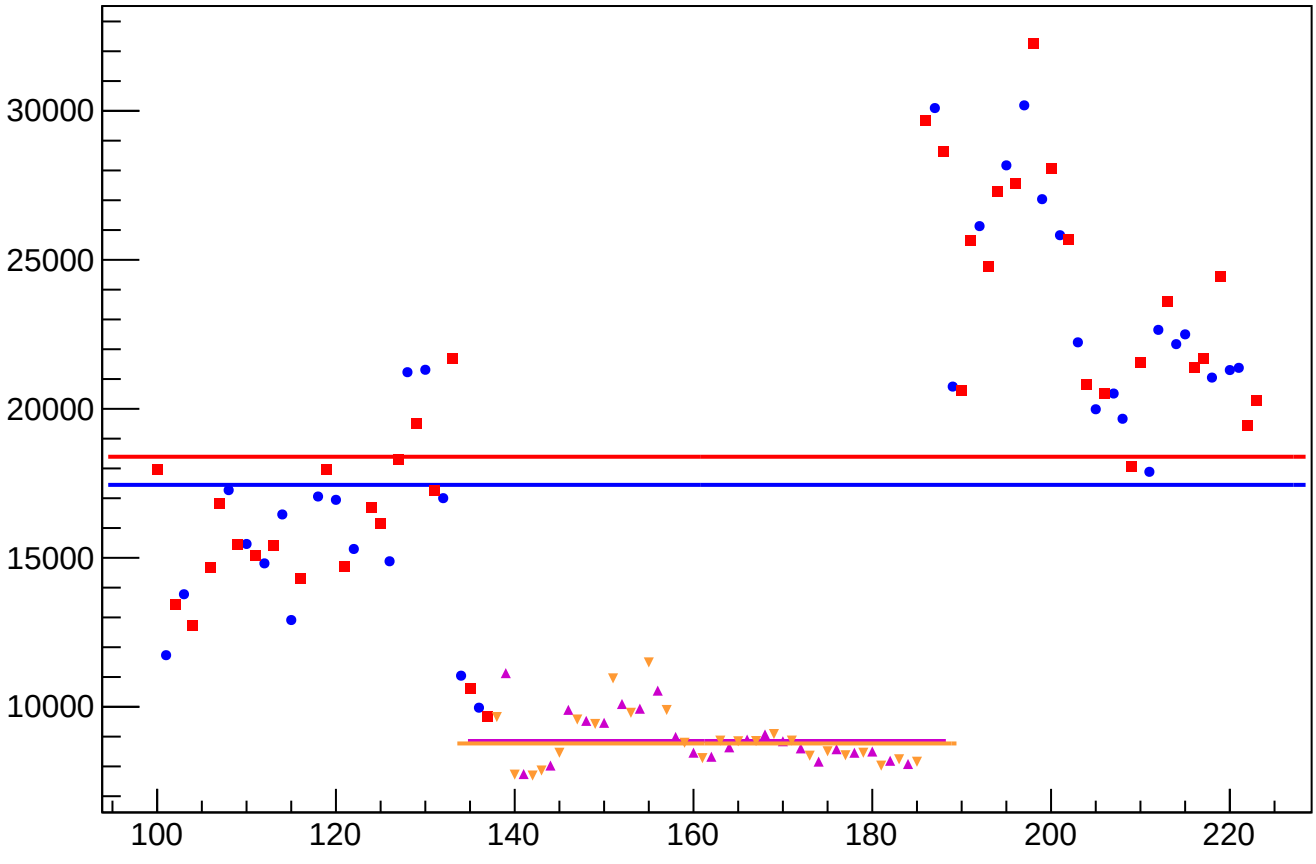
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: -0.373+/-2.793 χ^2/NDF: 153.6/72

In: -3.890+/-1.834 χ^2/NDF:104.1/56

Out: -3.183+/-1.794 χ^2/NDF:153.7/63

All: -3.529+/-1.283 χ^2/NDF: 257.9/120



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

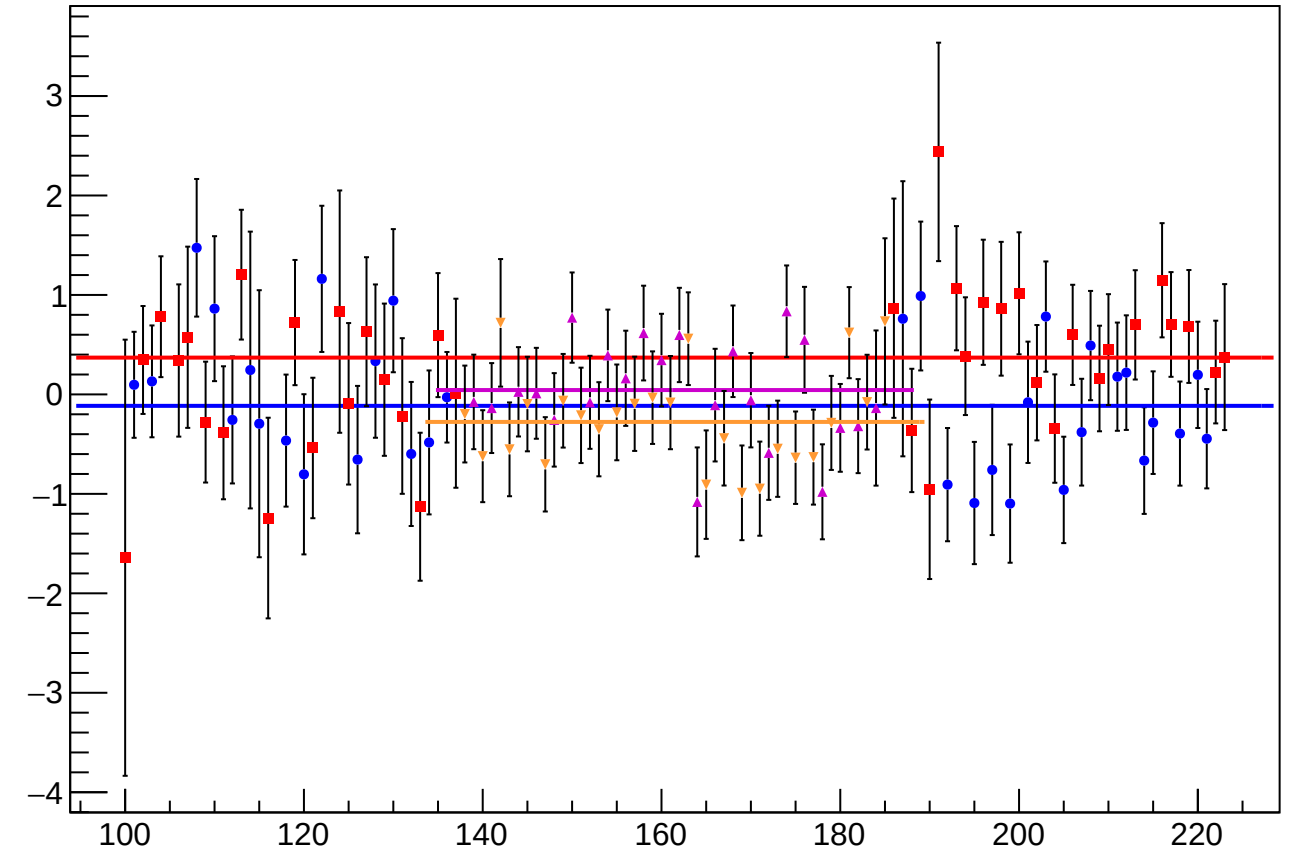
Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

Right: 17907.277+/-1.975 χ^2/NDF: 7198355.3/72

In: 10757.934+/-1.297 χ^2/NDF:11552284.7/56

Out: 10700.304+/-1.269 χ^2/NDF:13034937.5/63

All: 10728.476+/-0.907 χ^2/NDF: 24588231.1



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

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

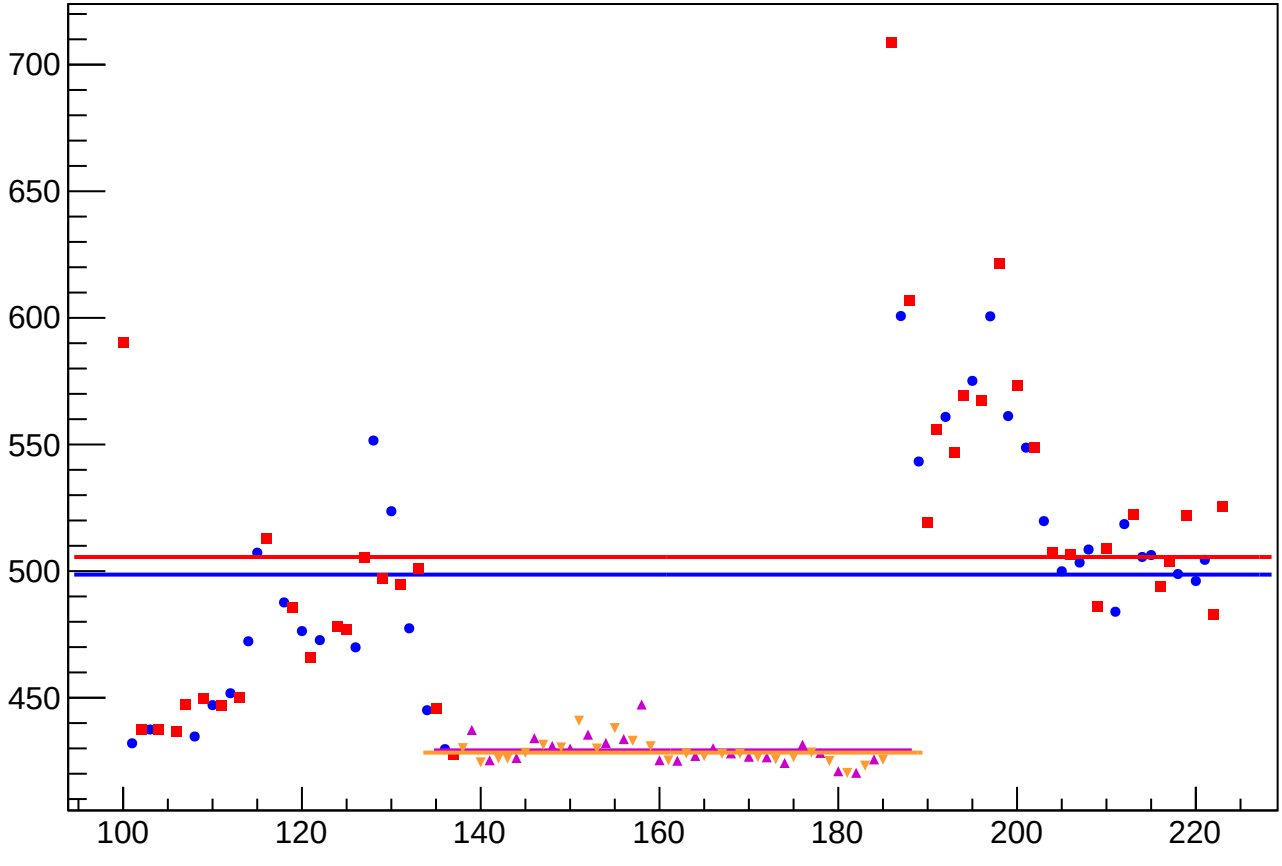
Right: 0.128+/-0.075 χ^2/NDF: 77.7/72

In: -0.031+/-0.073 χ^2/NDF:60.5/56

Out: 0.019+/-0.072 χ^2/NDF:73.0/63

All: -0.006+/-0.051 χ^2/NDF: 133.7/120

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



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

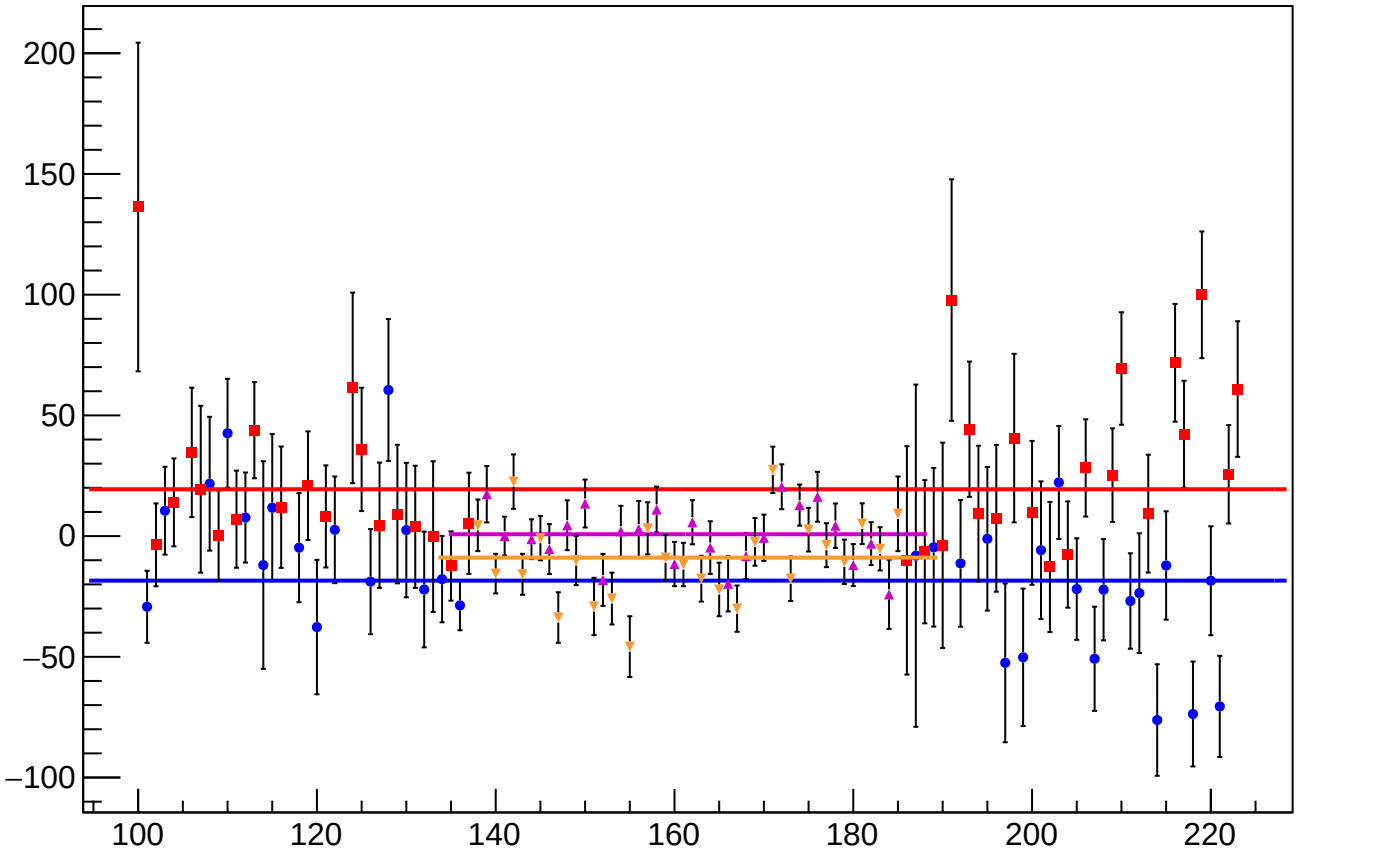
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

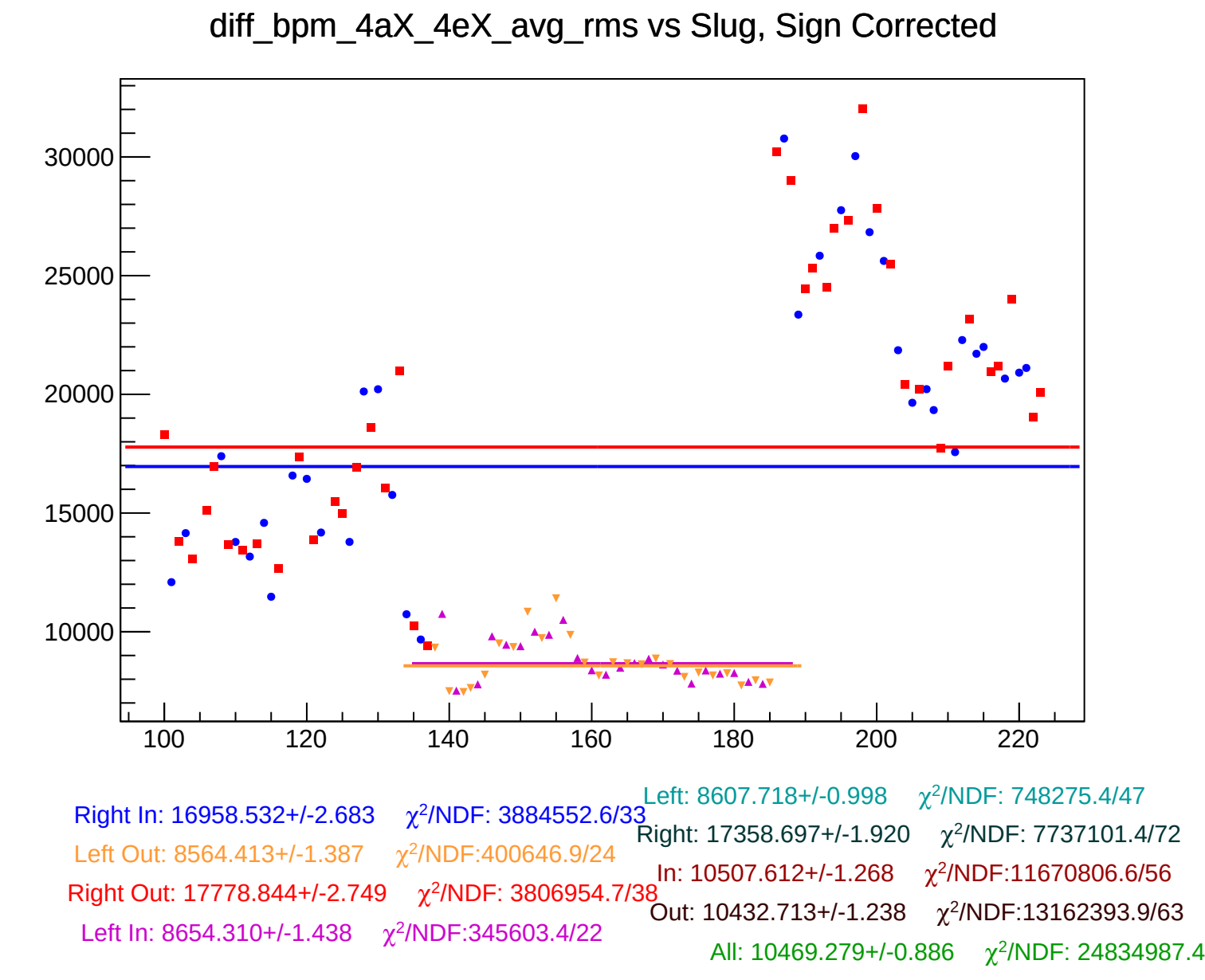
Right: 502.116+/-0.053 χ^2/NDF: 801166.0/72

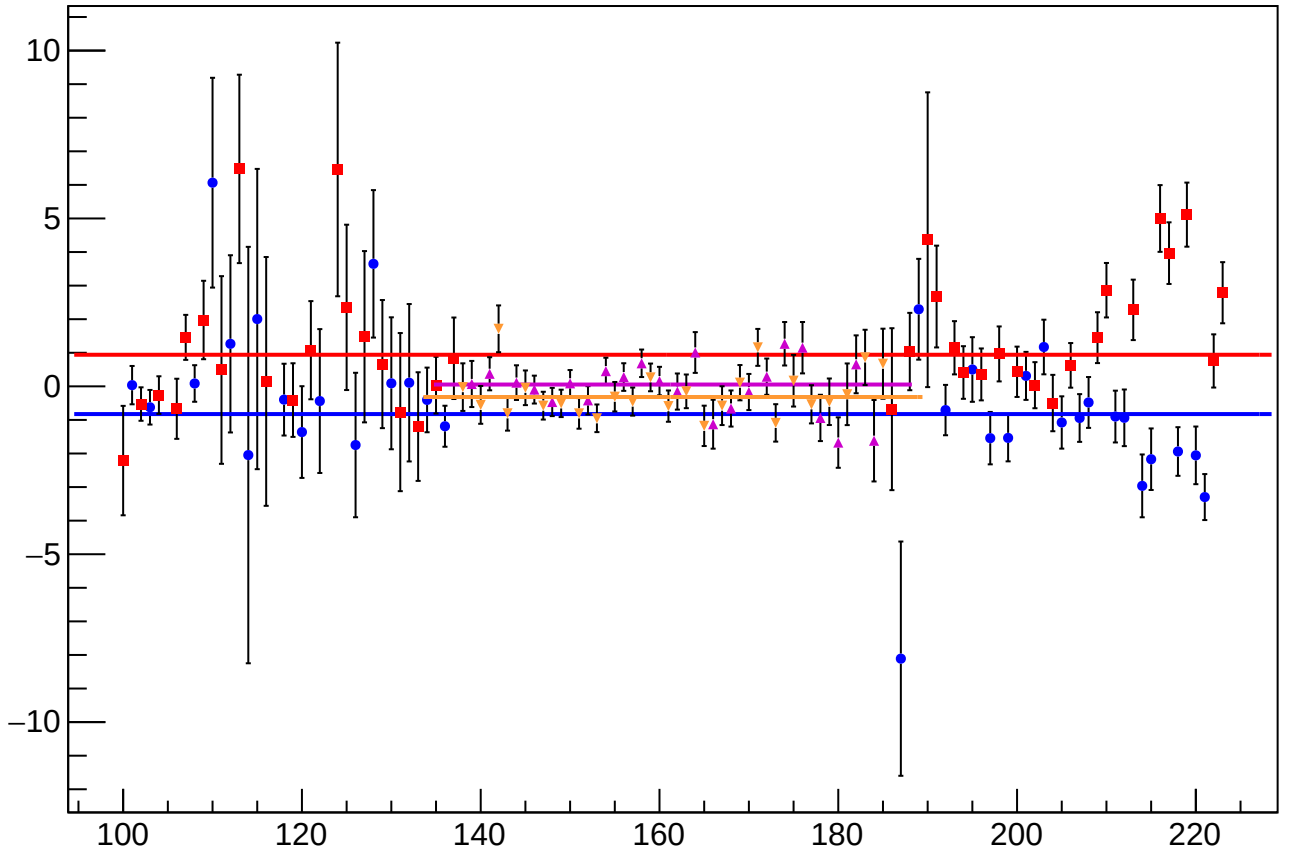
In: 461.819+/-0.052 χ^2/NDF:794305.3/56

Out: 463.629+/-0.051 χ^2/NDF:1039281.5/63

All: 462.740+/-0.036 χ^2/NDF: 1834212.0/120


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -18.437+/-3.795 χ²/NDF: 53.7/33
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 19.412+/-3.888 χ²/NDF: 47.4/38
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: 0.027+/-2.716 χ²/NDF: 149.6/72
In: -3.515+/-1.793 χ²/NDF:102.9/56
Out: -3.163+/-1.751 χ²/NDF:151.3/63
All: -3.335+/-1.253 χ²/NDF: 254.2/120


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
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
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 17358.697+/-1.920 χ²/NDF: 7737101.4/72
In: 10507.612+/-1.268 χ²/NDF:11670806.6/56
Out: 10432.713+/-1.238 χ²/NDF:13162393.9/63
All: 10469.279+/-0.886 χ²/NDF: 24834987.4



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

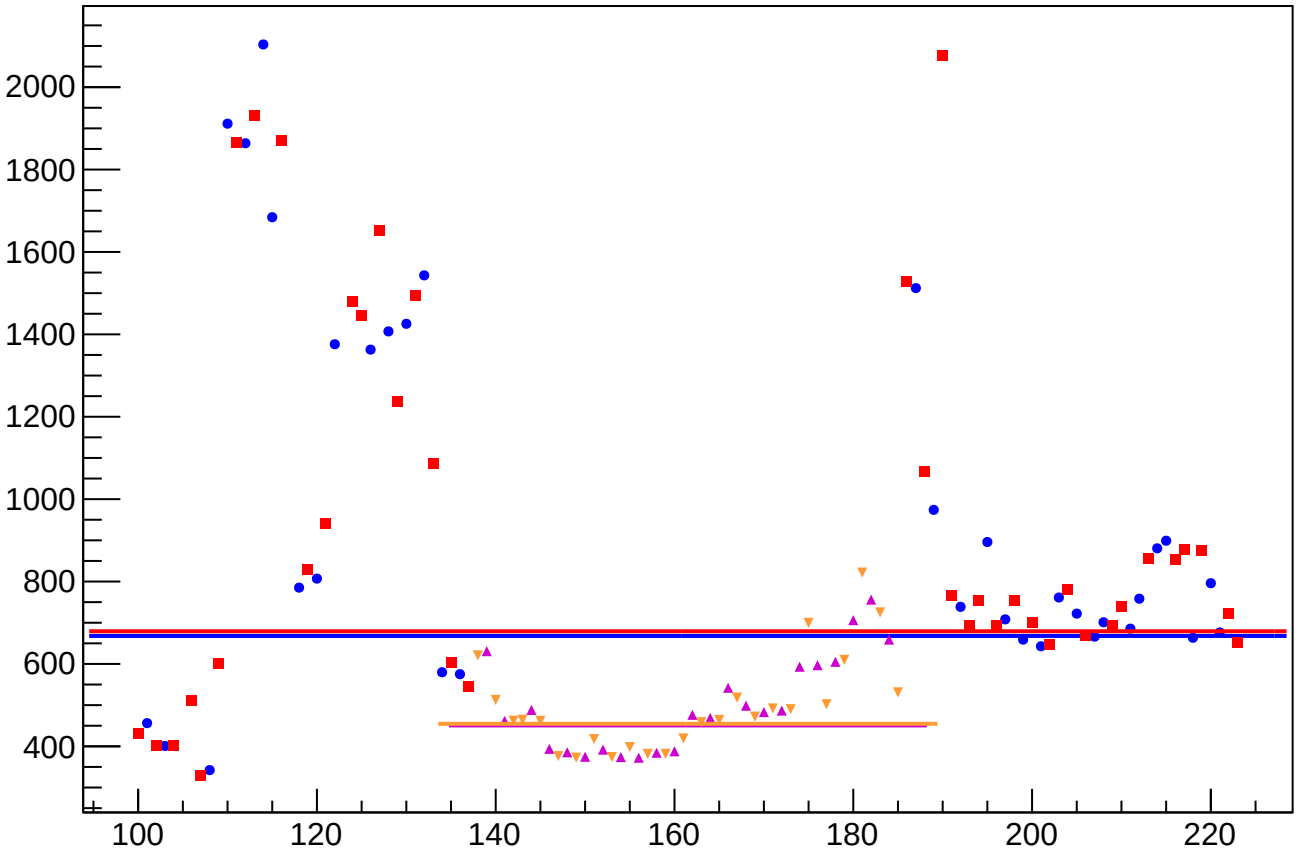
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.050+/-0.108 χ^2/NDF: 231.3/72

In: -0.243+/-0.088 χ^2/NDF:115.1/56

Out: 0.090+/-0.087 χ^2/NDF:179.1/63

All: -0.074+/-0.062 χ^2/NDF: 301.4/120



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

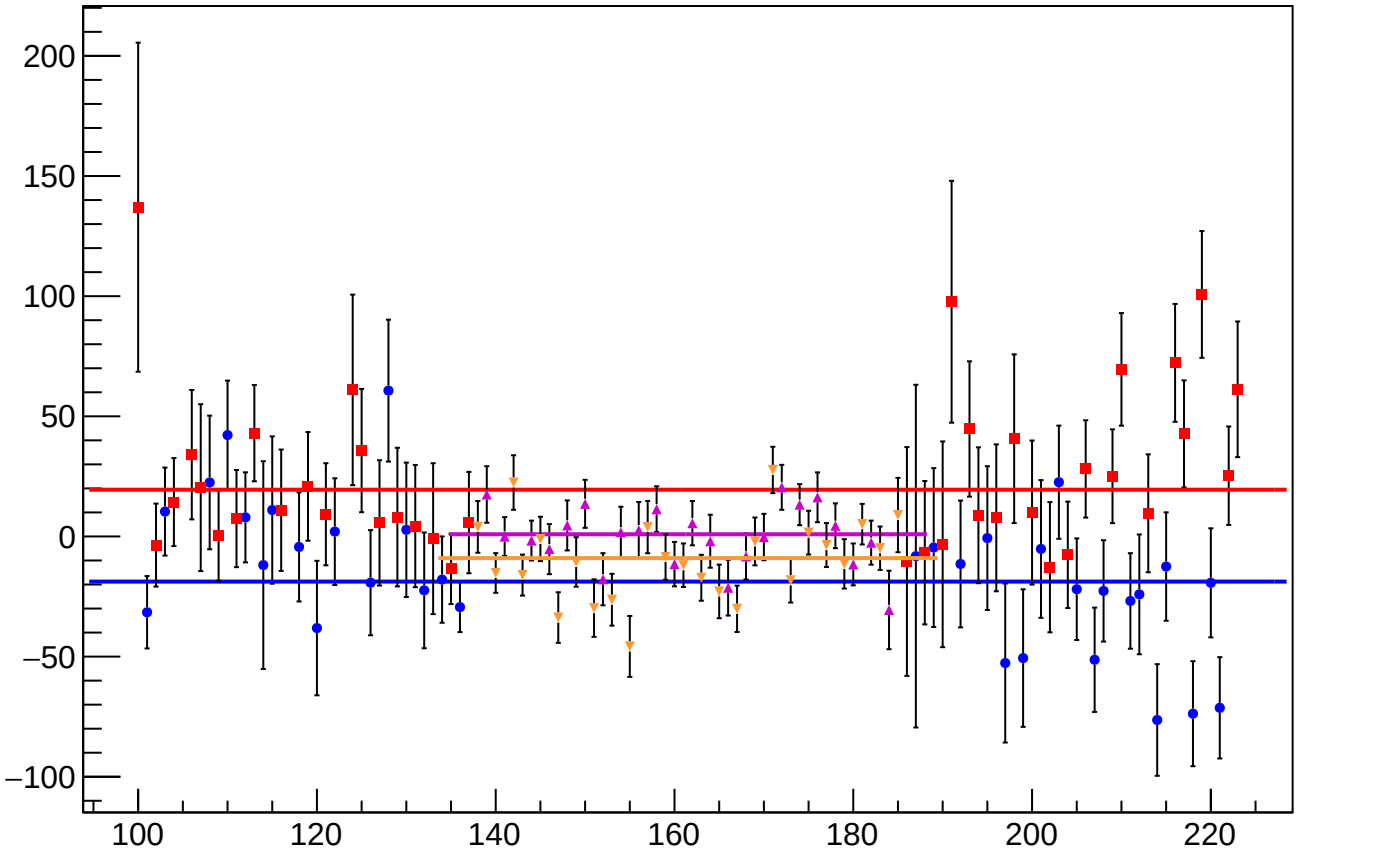
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

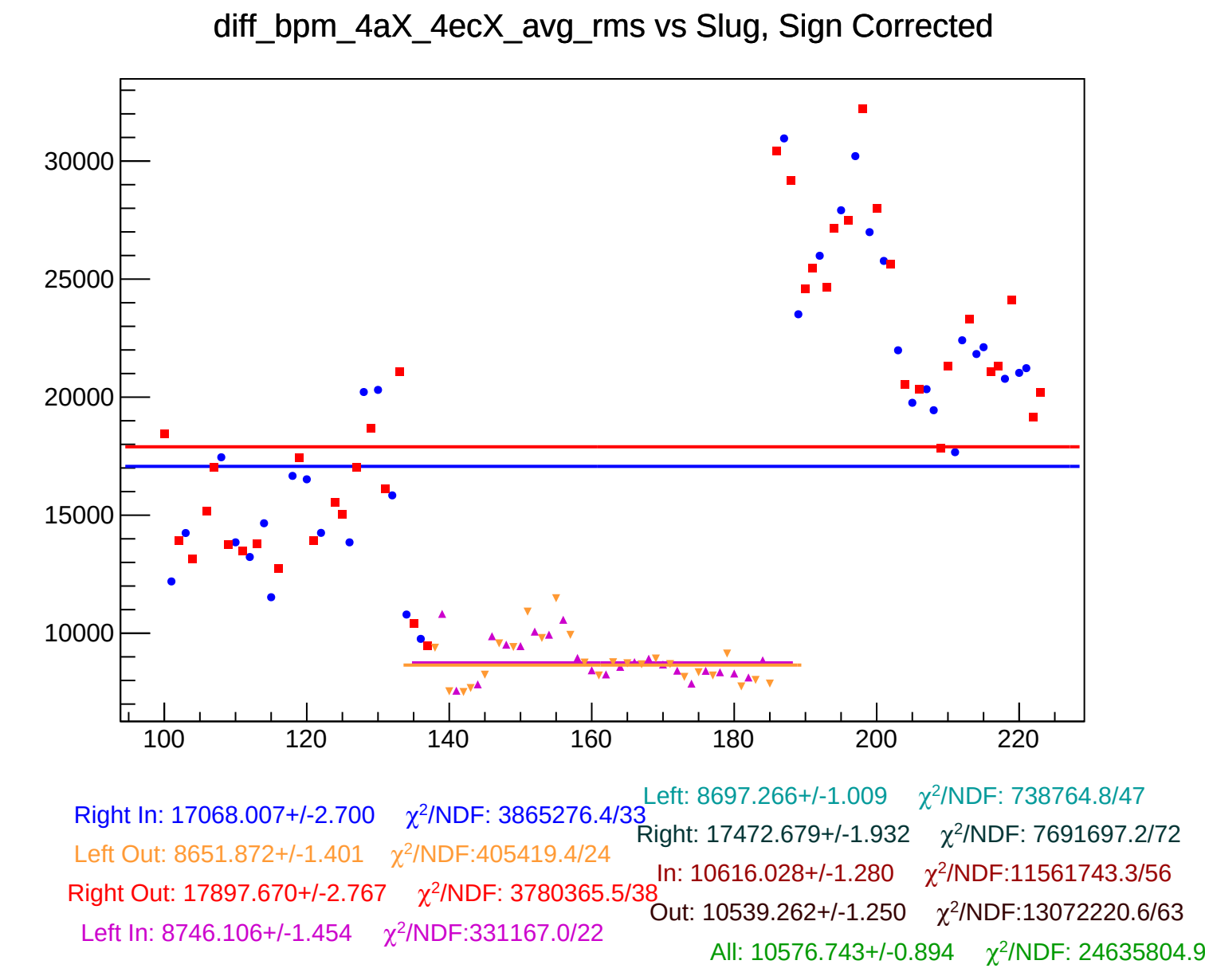
Right: 673.591+/-0.076 χ^2/NDF: 9584148.6/72

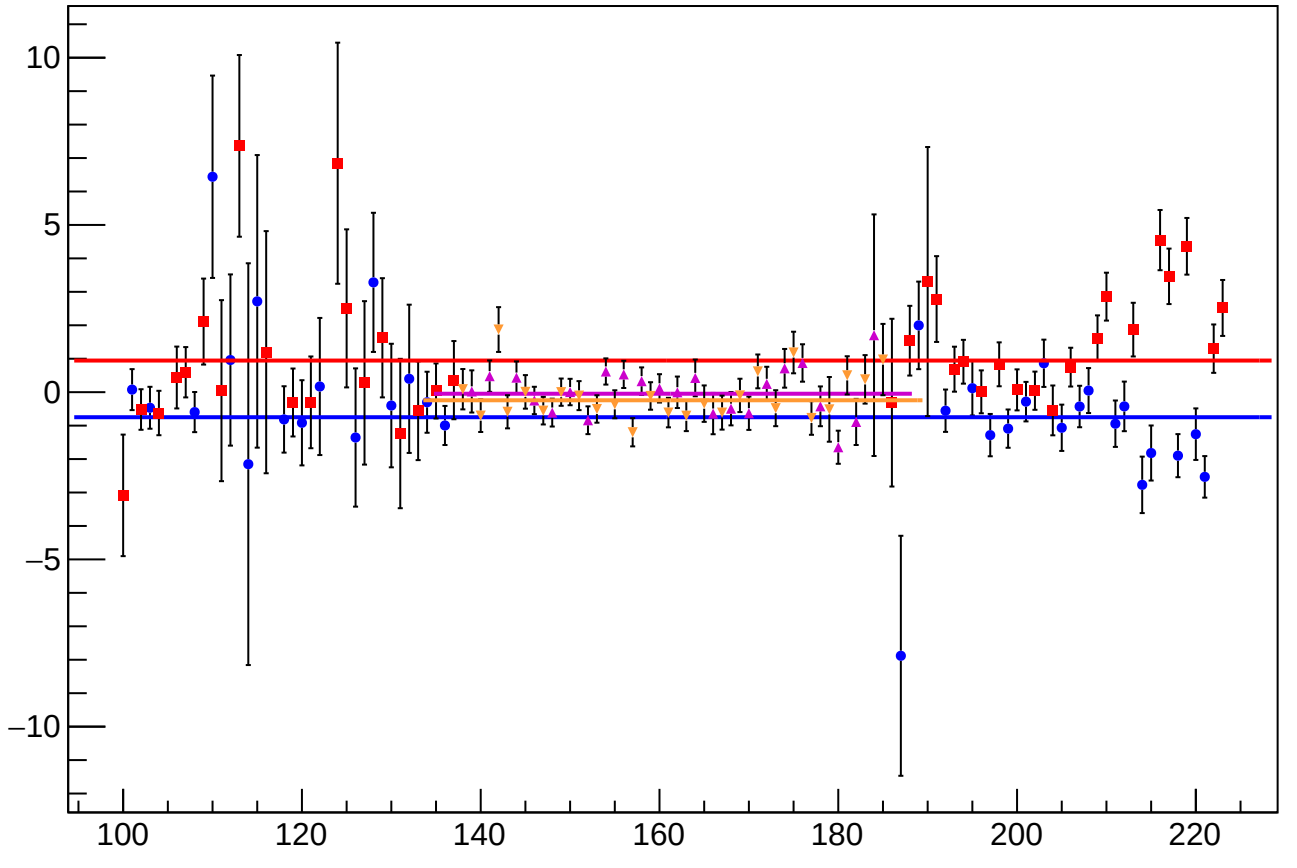
In: 524.010+/-0.062 χ^2/NDF:8672610.8/56

Out: 527.533+/-0.062 χ^2/NDF:9463167.0/63

All: 525.790+/-0.044 χ^2/NDF: 18137395.7/12


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -18.782+/-3.818 χ²/NDF: 53.9/33
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 19.463+/-3.913 χ²/NDF: 47.3/38
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: -0.128+/-2.733 χ²/NDF: 150.1/72
In: -3.503+/-1.810 χ²/NDF:104.4/56
Out: -3.190+/-1.768 χ²/NDF:150.6/63
All: -3.343+/-1.265 χ²/NDF: 255.1/120


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17068.007+/-2.700 χ²/NDF: 3865276.4/33
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17897.670+/-2.767 χ²/NDF: 3780365.5/38
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 17472.679+/-1.932 χ²/NDF: 7691697.2/72
In: 10616.028+/-1.280 χ²/NDF:11561743.3/56
Out: 10539.262+/-1.250 χ²/NDF:13072220.6/63
All: 10576.743+/-0.894 χ²/NDF: 24635804.9



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

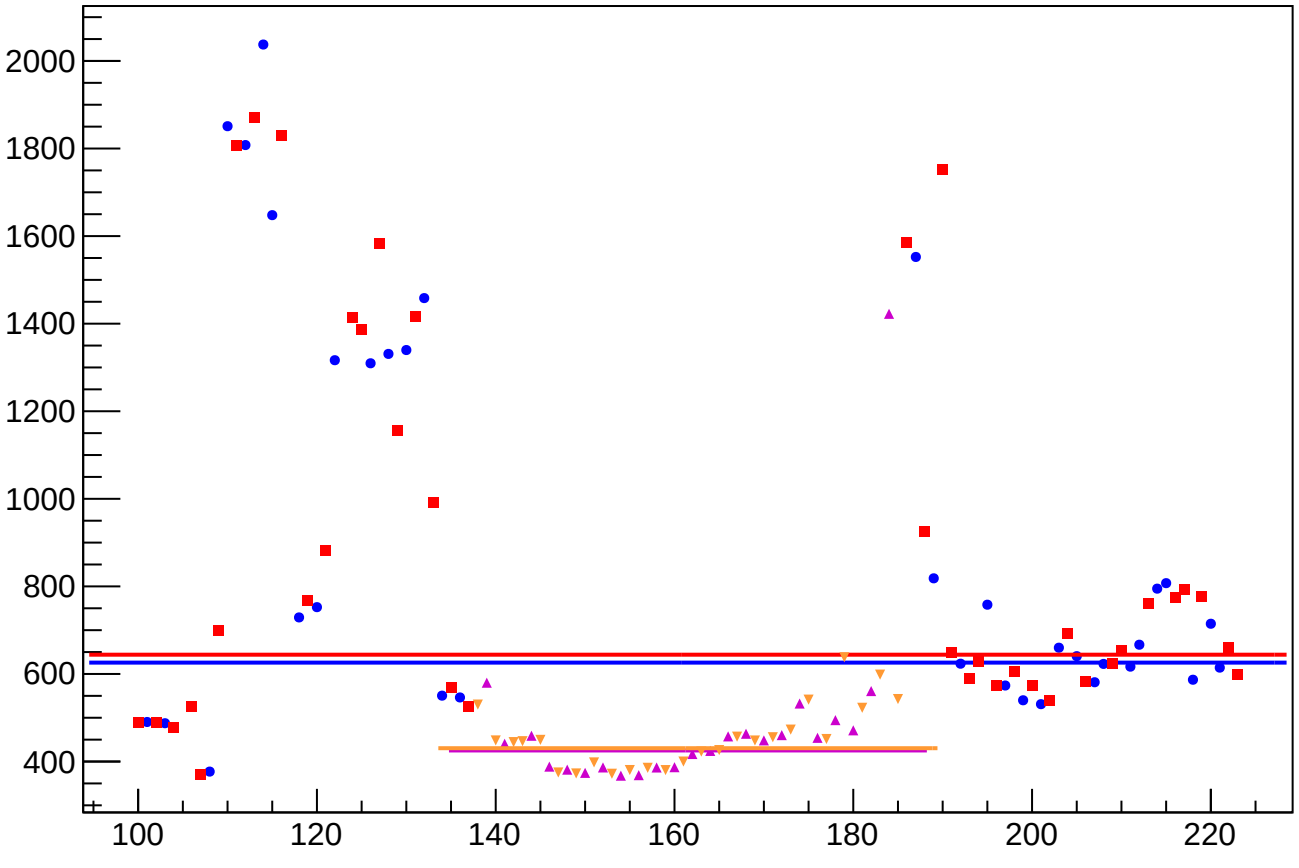
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: 0.083+/-0.100 χ^2/NDF: 224.2/72

In: -0.288+/-0.082 χ^2/NDF:103.0/56

Out: 0.149+/-0.082 χ^2/NDF:181.7/63

All: -0.069+/-0.058 χ^2/NDF: 298.9/120



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

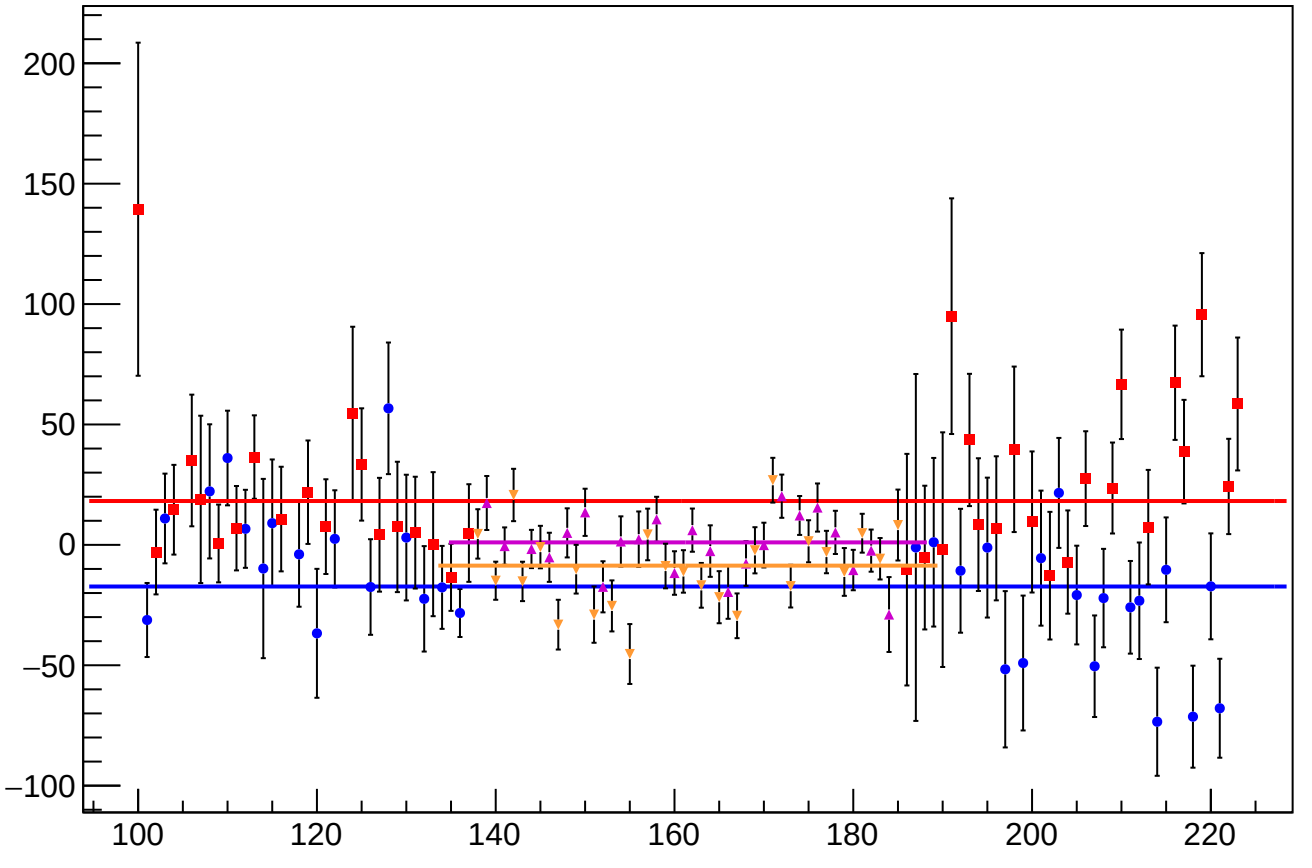
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 634.795+/-0.071 χ^2/NDF: 7202903.7/72

In: 494.251+/-0.058 χ^2/NDF:6833775.0/56

Out: 500.790+/-0.058 χ^2/NDF:7390634.8/63

All: 497.530+/-0.041 χ^2/NDF: 14230742.0/12



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

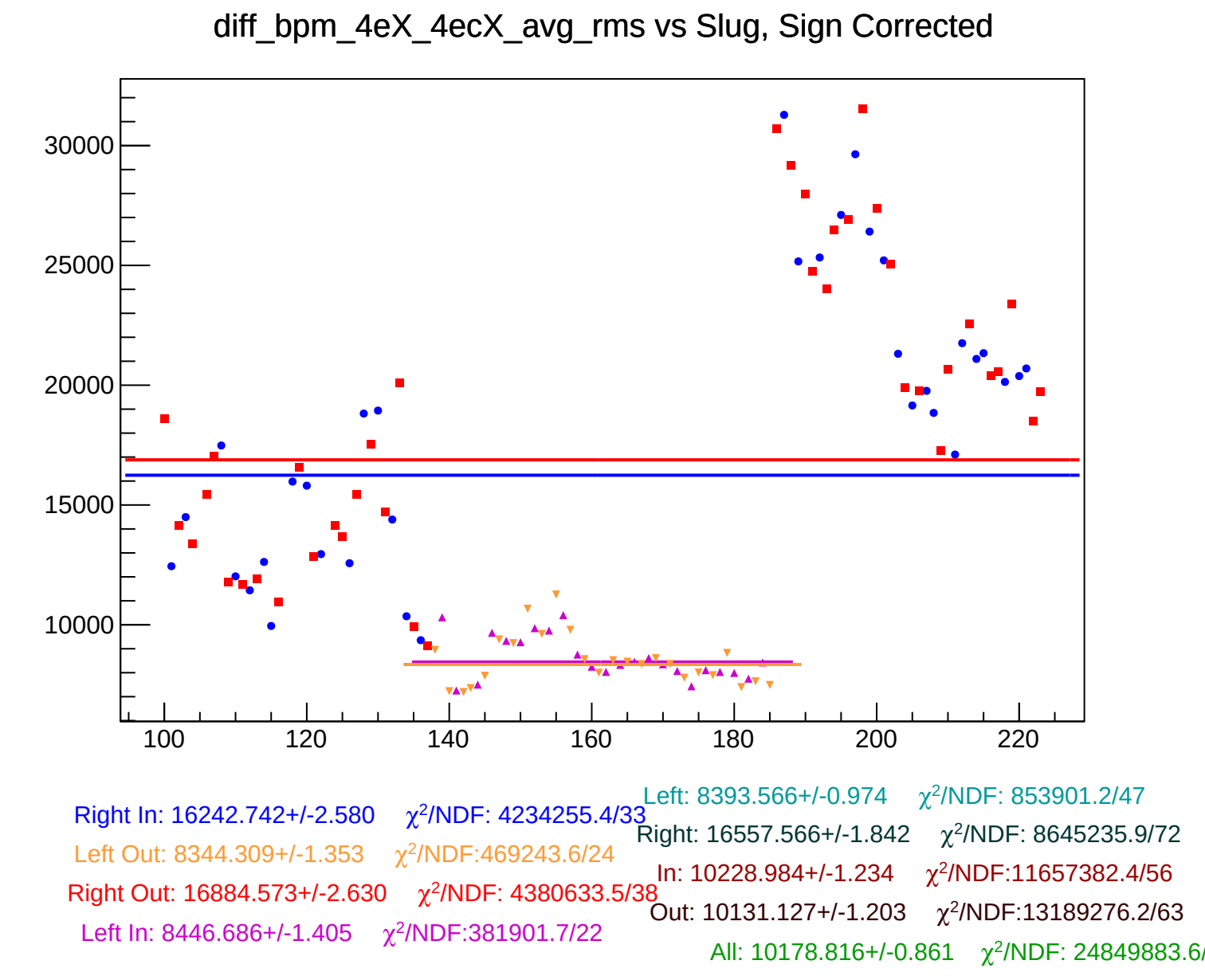
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

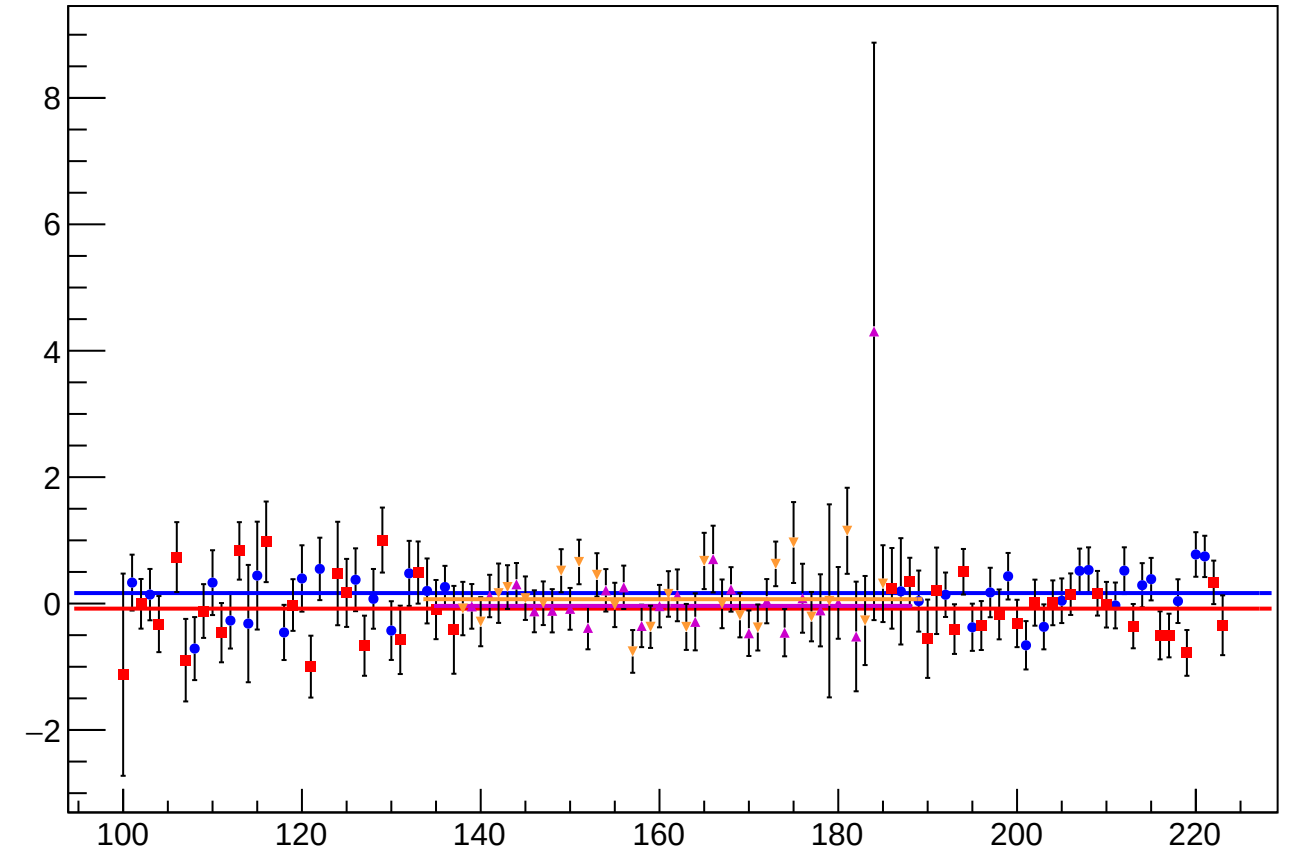
Right: 0.121+/-2.605 χ^2/NDF: 147.1/72

In: -3.161+/-1.745 χ^2/NDF:103.9/56

Out: -3.008+/-1.701 χ^2/NDF:148.7/63

All: -3.083+/-1.218 χ^2/NDF: 252.7/120


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16242.742+/-2.580 χ²/NDF: 4234255.4/33
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 16884.573+/-2.630 χ²/NDF: 4380633.5/38
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16557.566+/-1.842 χ²/NDF: 8645235.9/72
In: 10228.984+/-1.234 χ²/NDF:11657382.4/56
Out: 10131.127+/-1.203 χ²/NDF:13189276.2/63
All: 10178.816+/-0.861 χ²/NDF: 24849883.6/



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

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

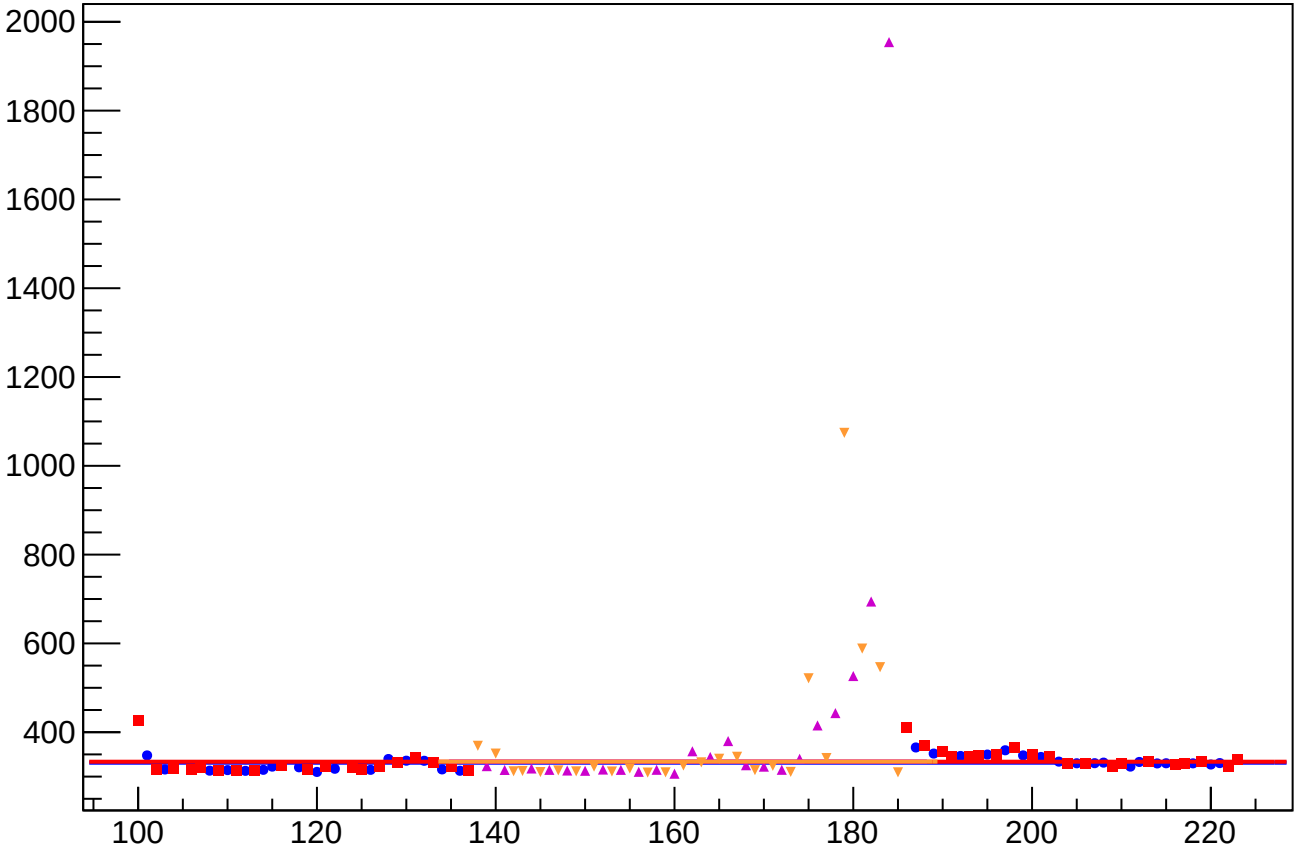
Right: 0.041+/-0.050 χ^2/NDF: 76.9/72

In: 0.078+/-0.053 χ^2/NDF:44.9/56

Out: -0.015+/-0.052 χ^2/NDF:71.3/63

All: 0.031+/-0.037 χ^2/NDF: 117.7/120

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



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

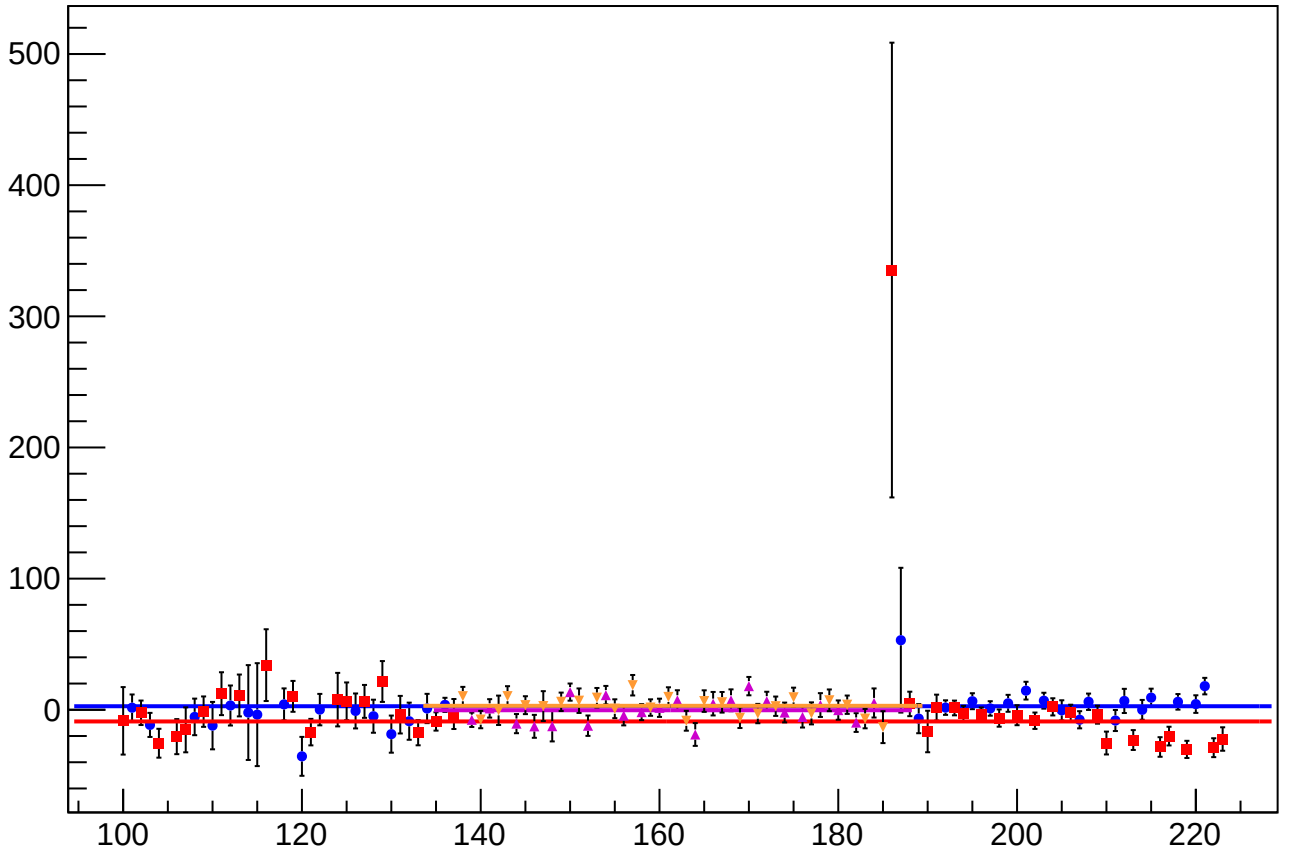
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.411+/-0.035 χ^2/NDF: 188163.3/72

In: 332.434+/-0.038 χ^2/NDF:1116934.5/56

Out: 333.645+/-0.037 χ^2/NDF:1339710.1/63

All: 333.050+/-0.026 χ^2/NDF: 2457171.9/120



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

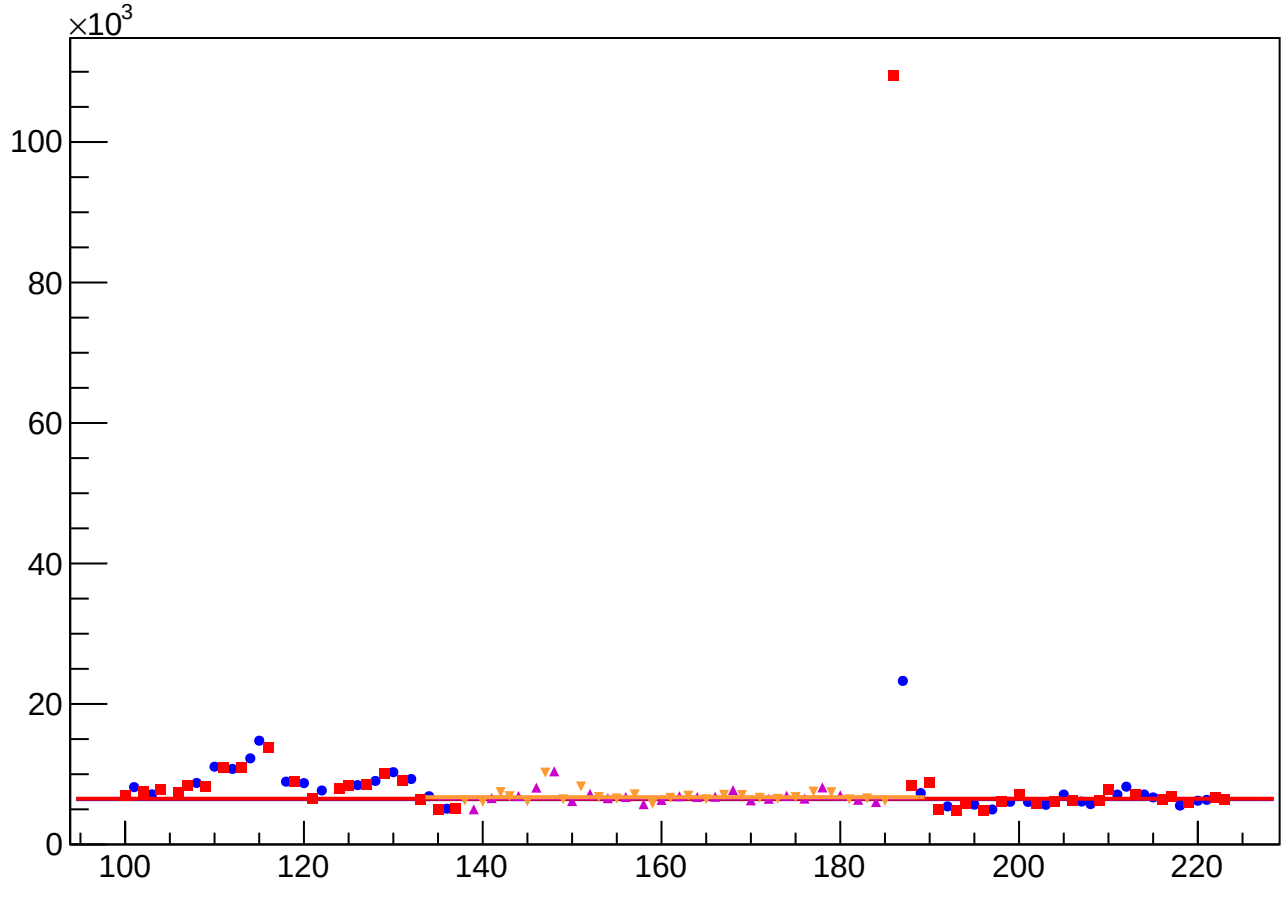
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -3.115+/-0.998 χ^2/NDF: 141.3/72

In: 1.334+/-1.050 χ^2/NDF:67.6/56

Out: -3.468+/-1.040 χ^2/NDF:128.8/63

All: -1.090+/-0.739 χ^2/NDF: 206.9/120



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

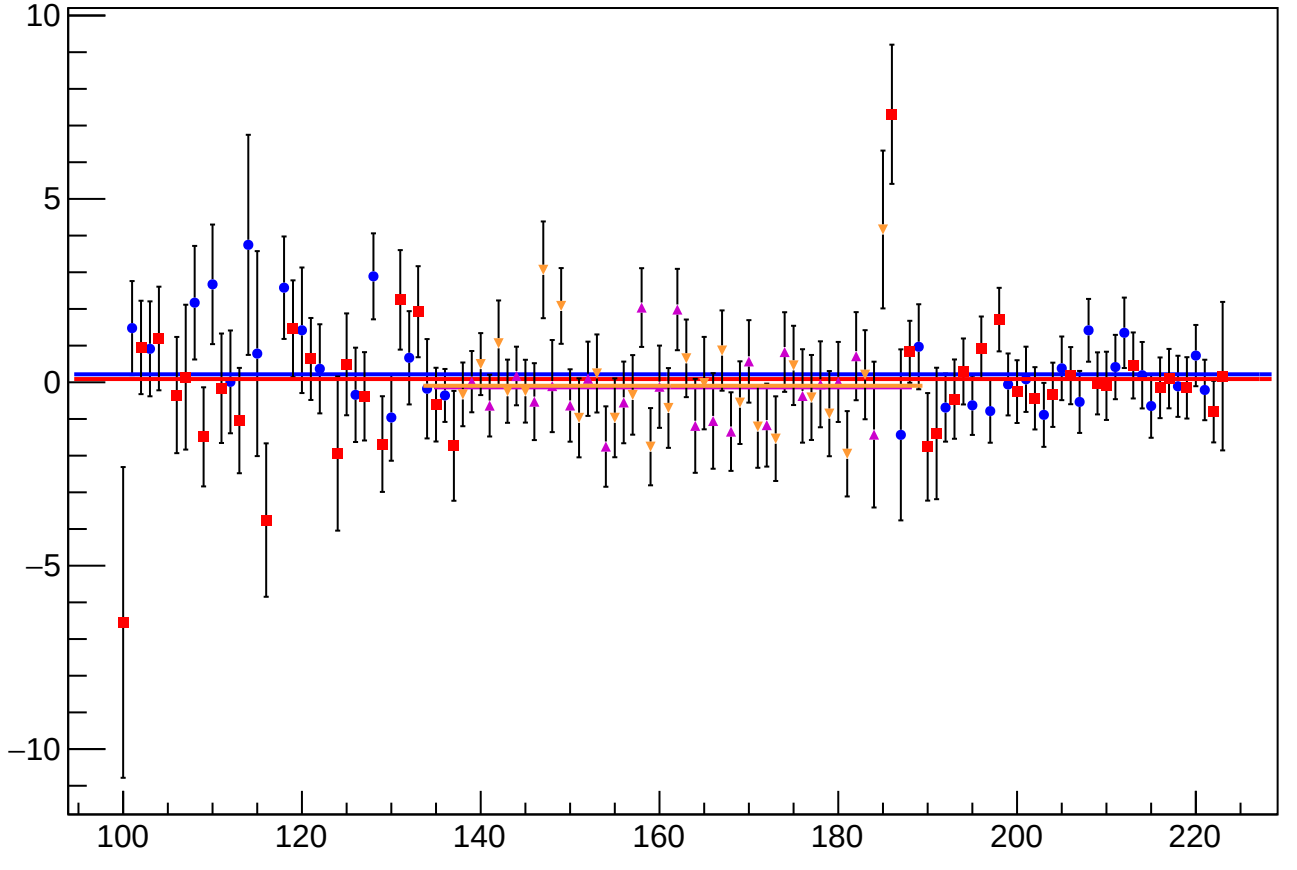
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6480.683+/-0.706 χ^2/NDF: 4349137.0/72

In: 6533.946+/-0.743 χ^2/NDF:2532287.1/56

Out: 6605.658+/-0.736 χ^2/NDF:2883851.5/63

All: 6570.149+/-0.523 χ^2/NDF: 5420844.8/12



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

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

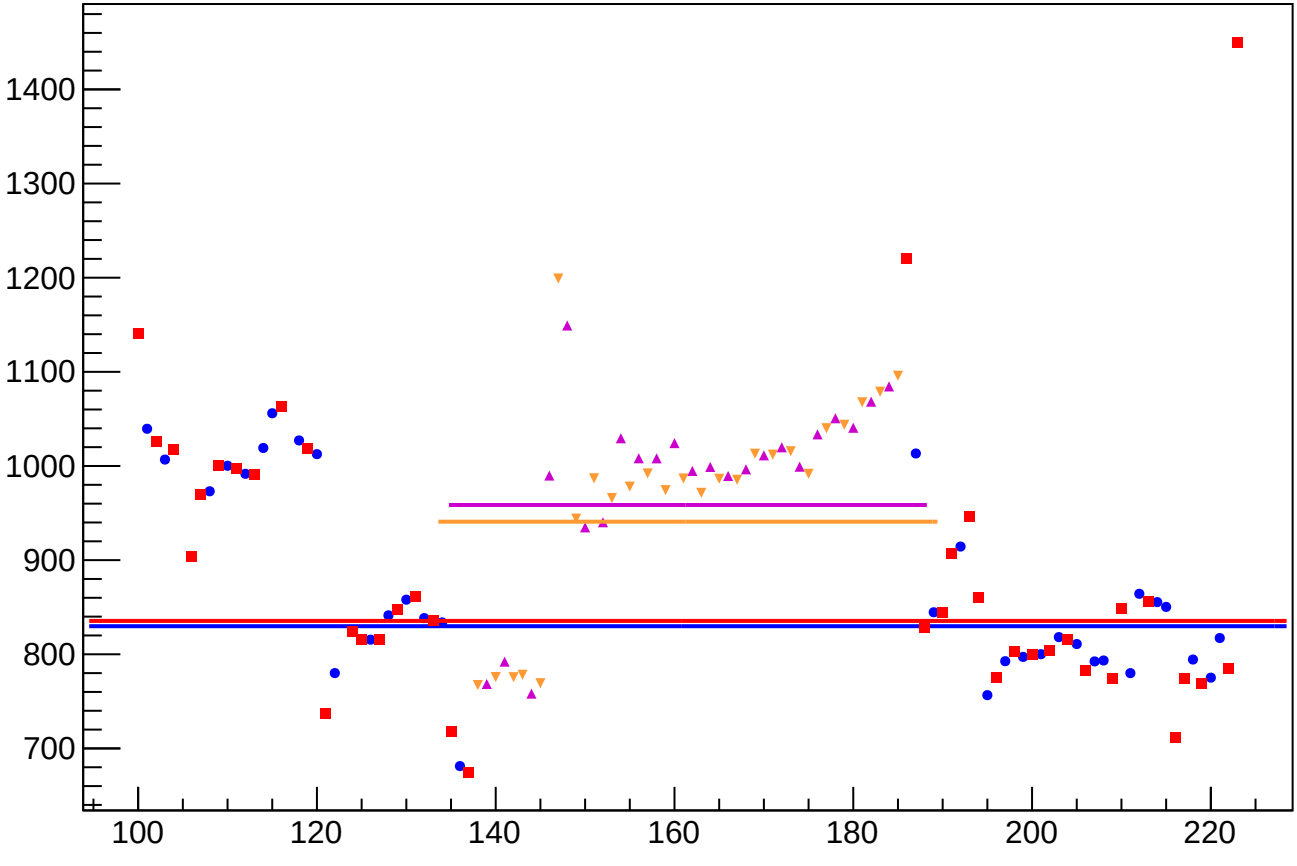
Right: 0.153+/-0.125 χ^2/NDF: 74.1/72

In: 0.081+/-0.139 χ^2/NDF:47.2/56

Out: 0.015+/-0.136 χ^2/NDF:72.4/63

All: 0.048+/-0.097 χ^2/NDF: 119.7/120

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



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

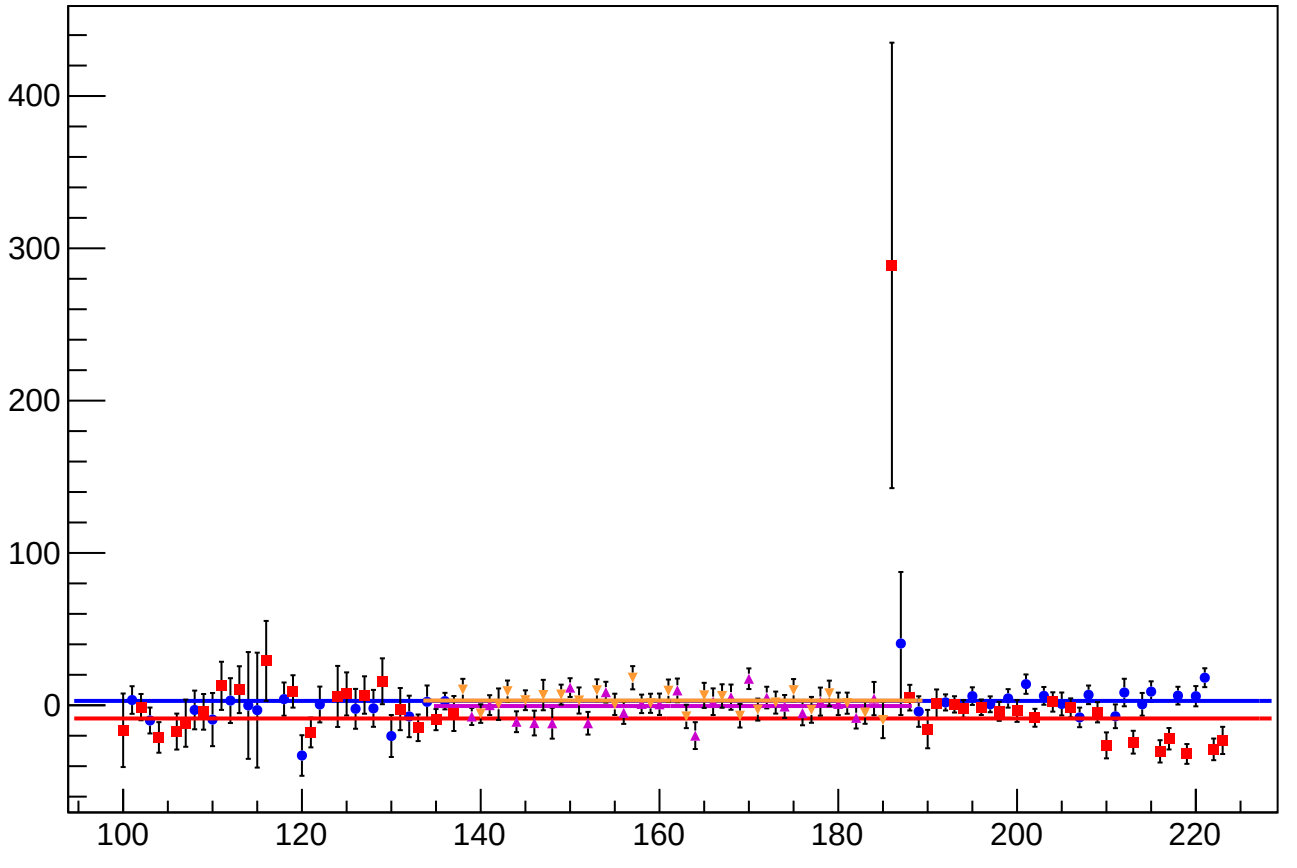
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 832.668+/-0.088 χ^2/NDF: 1136642.4/72

In: 879.130+/-0.099 χ^2/NDF:1277844.6/56

Out: 877.586+/-0.096 χ^2/NDF:1573710.8/63

All: 878.340+/-0.069 χ^2/NDF: 2851680.9/120



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

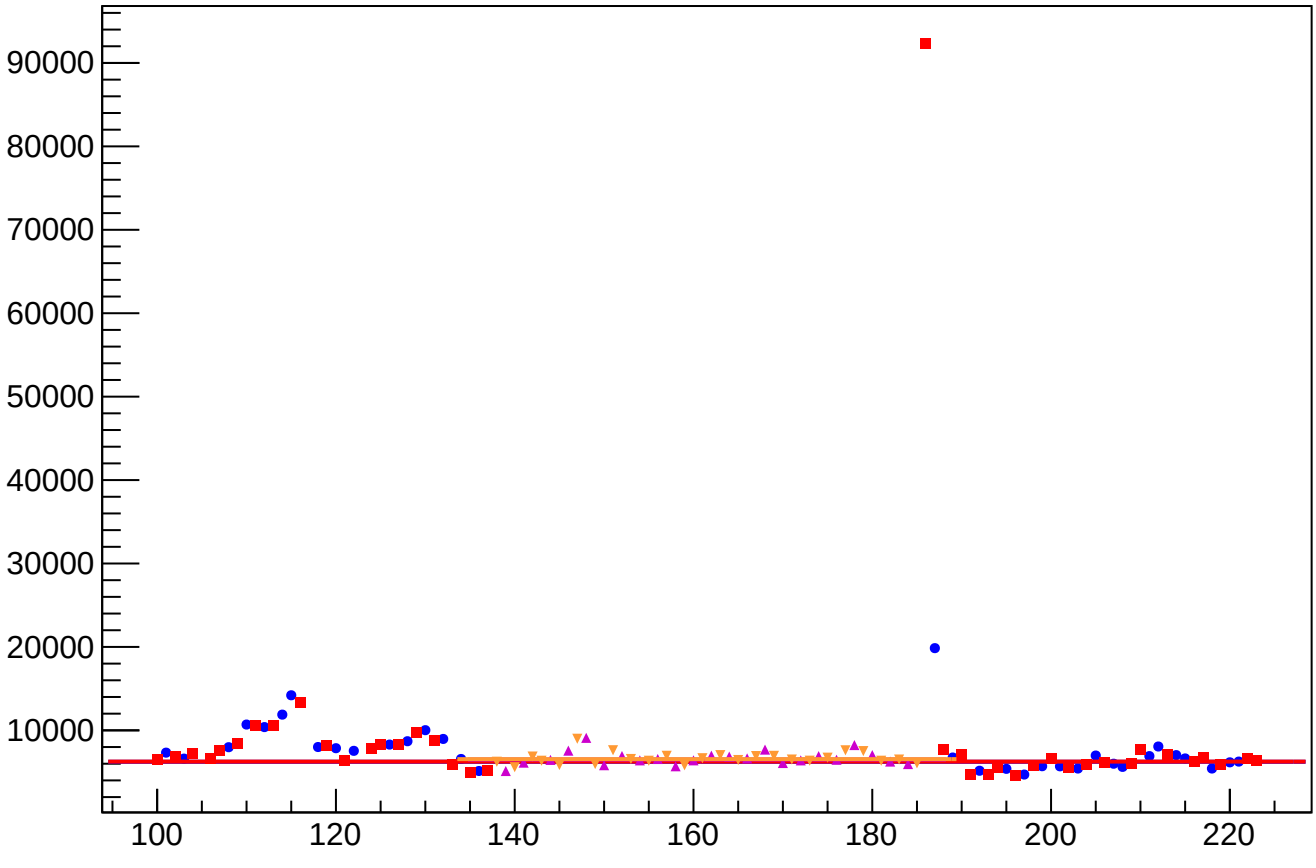
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.958+/-0.960 χ^2/NDF: 151.5/72

In: 1.367+/-1.019 χ^2/NDF:66.7/56

Out: -3.398+/-1.004 χ^2/NDF:136.0/63

All: -1.051+/-0.715 χ^2/NDF: 213.8/120



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

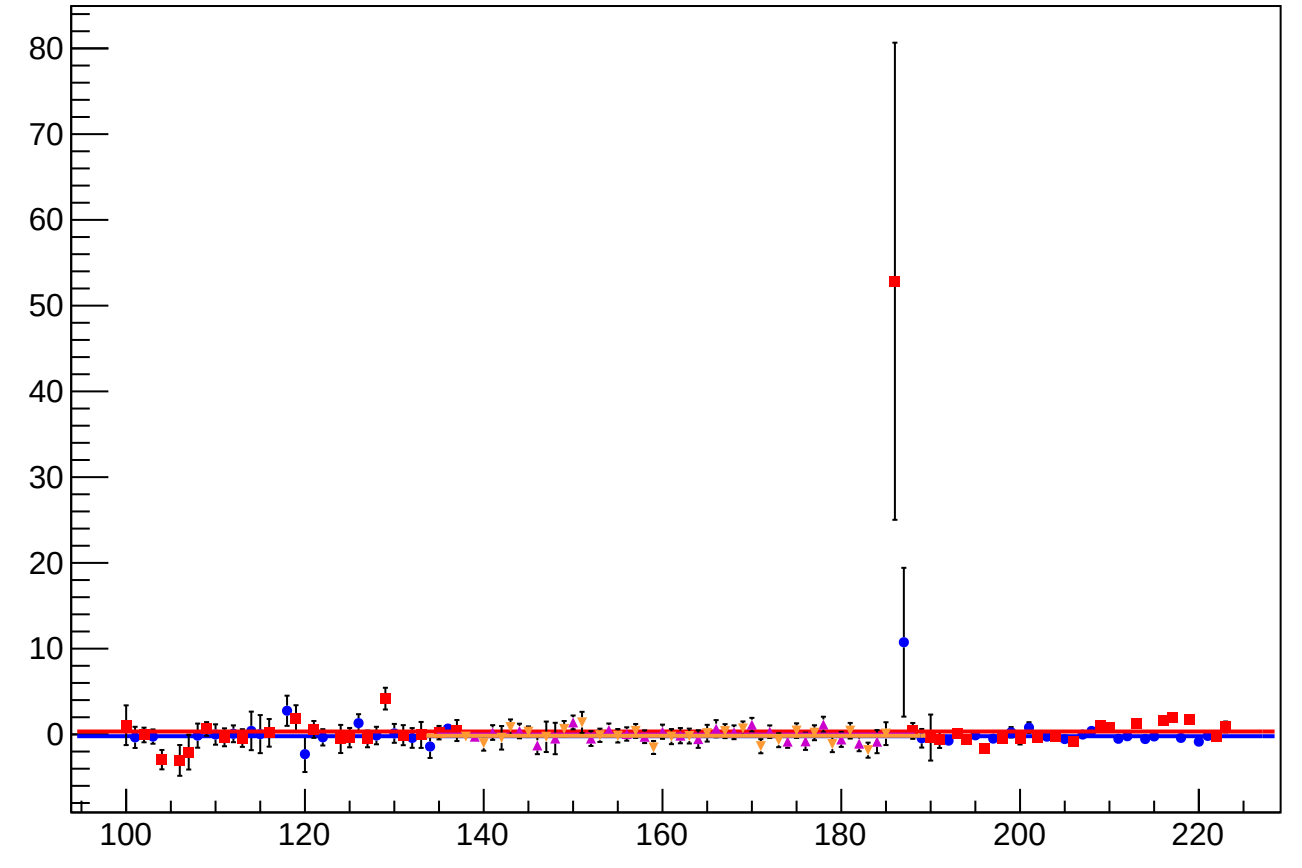
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6241.970+/-0.679 χ^2/NDF: 4217510.6/72

In: 6351.033+/-0.721 χ^2/NDF:2358407.1/56

Out: 6386.295+/-0.710 χ^2/NDF:2818951.1/63

All: 6368.923+/-0.506 χ^2/NDF: 5178572.8/12



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

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

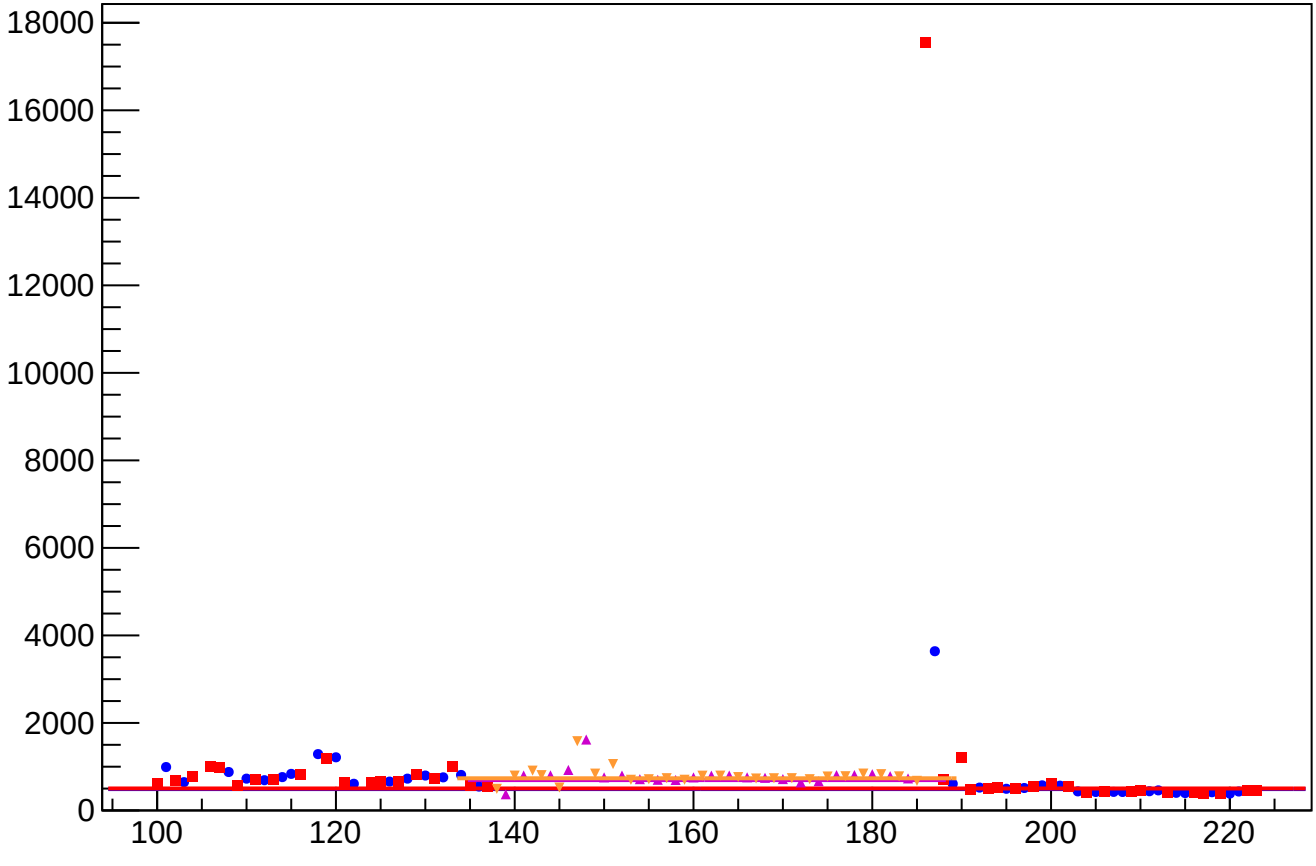
Right: 0.057+/-0.078 χ^2/NDF: 138.6/72

In: -0.155+/-0.091 χ^2/NDF:37.8/56

Out: 0.190+/-0.093 χ^2/NDF:129.3/63

All: 0.014+/-0.065 χ^2/NDF: 174.1/120

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



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

Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

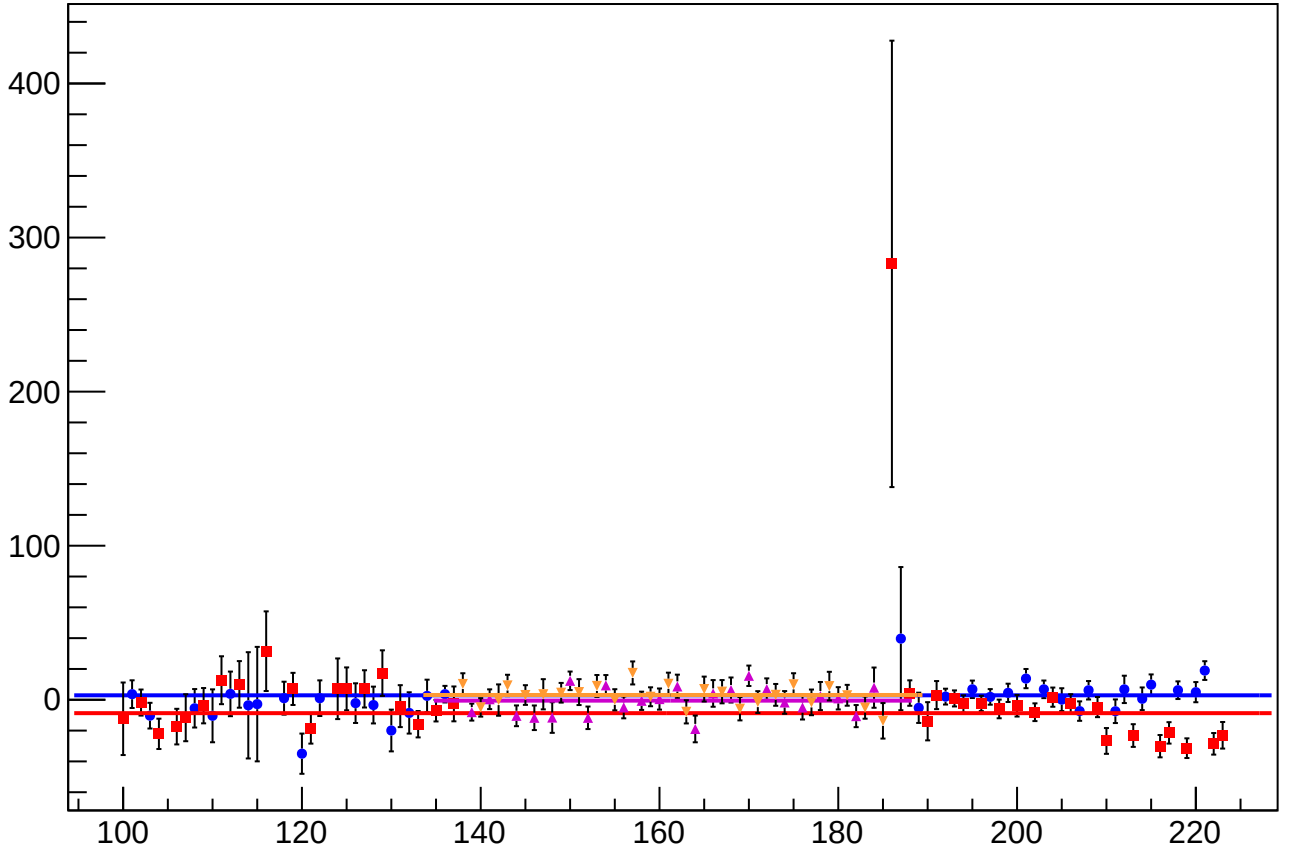
Right: 495.343+/-0.055 χ^2/NDF: 6430207.4/72

In: 548.752+/-0.065 χ^2/NDF:7309674.8/56

Out: 570.487+/-0.066 χ^2/NDF:7344637.8/63

All: 559.412+/-0.046 χ^2/NDF: 14709757.5/12

diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected



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

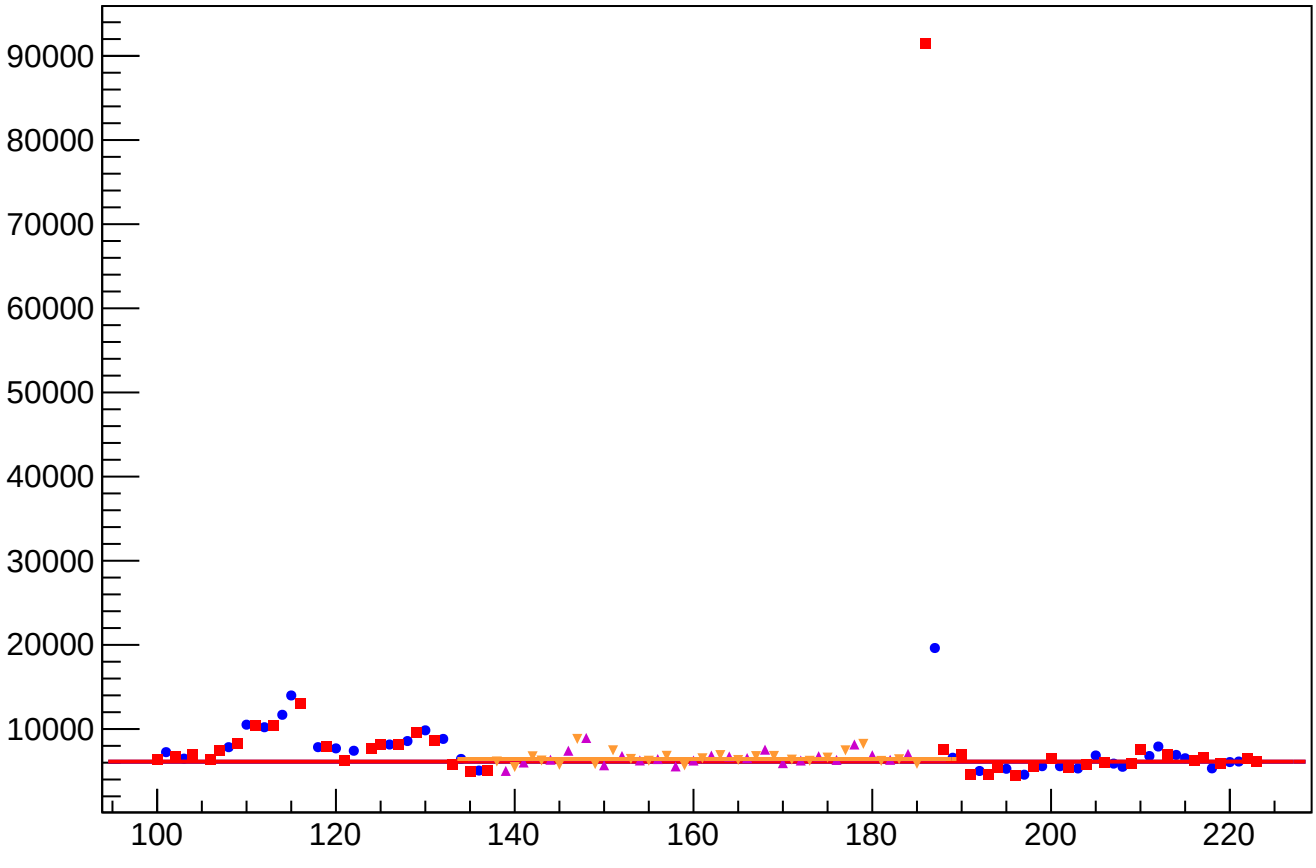
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

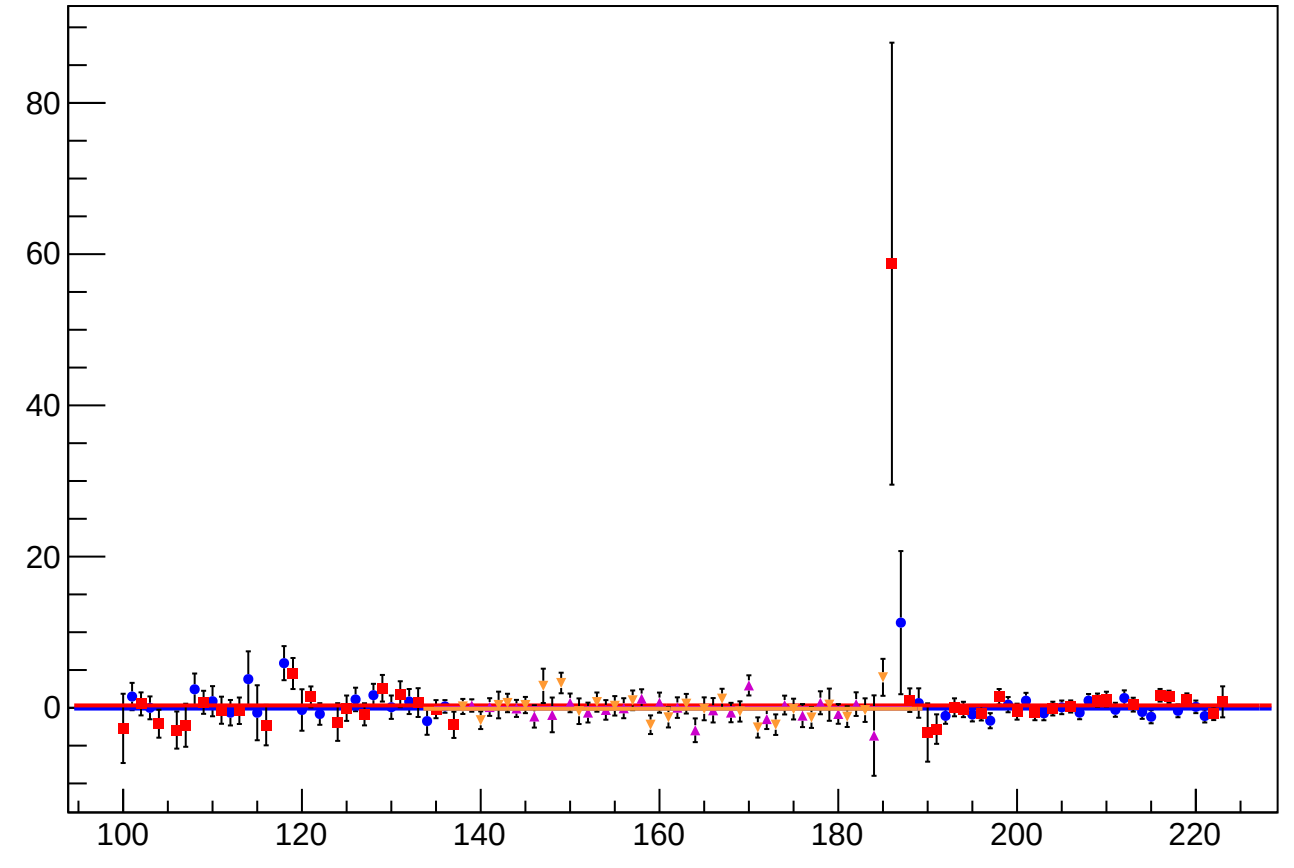
Right: -2.943+/-0.942 χ^2/NDF: 157.0/72

In: 1.385+/-1.002 χ^2/NDF:71.7/56

Out: -3.417+/-0.986 χ^2/NDF:138.0/63

All: -1.054+/-0.703 χ^2/NDF: 221.4/120


diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected
90000
80000
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 6108.331+/-0.946 χ²/NDF: 1837759.3/33
Left Out: 6435.363+/-1.044 χ²/NDF:417318.3/24
Right Out: 6128.841+/-0.938 χ²/NDF: 2437273.8/38
Left In: 6405.229+/-1.069 χ²/NDF:525079.4/22
Left: 6420.661+/-0.747 χ²/NDF: 942804.2/47
Right: 6118.676+/-0.666 χ²/NDF: 4275270.3/72
In: 6238.634+/-0.708 χ²/NDF:2406084.7/56
Out: 6265.708+/-0.698 χ²/NDF:2902318.1/63
All: 6252.382+/-0.497 χ²/NDF: 5309144.3/12



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

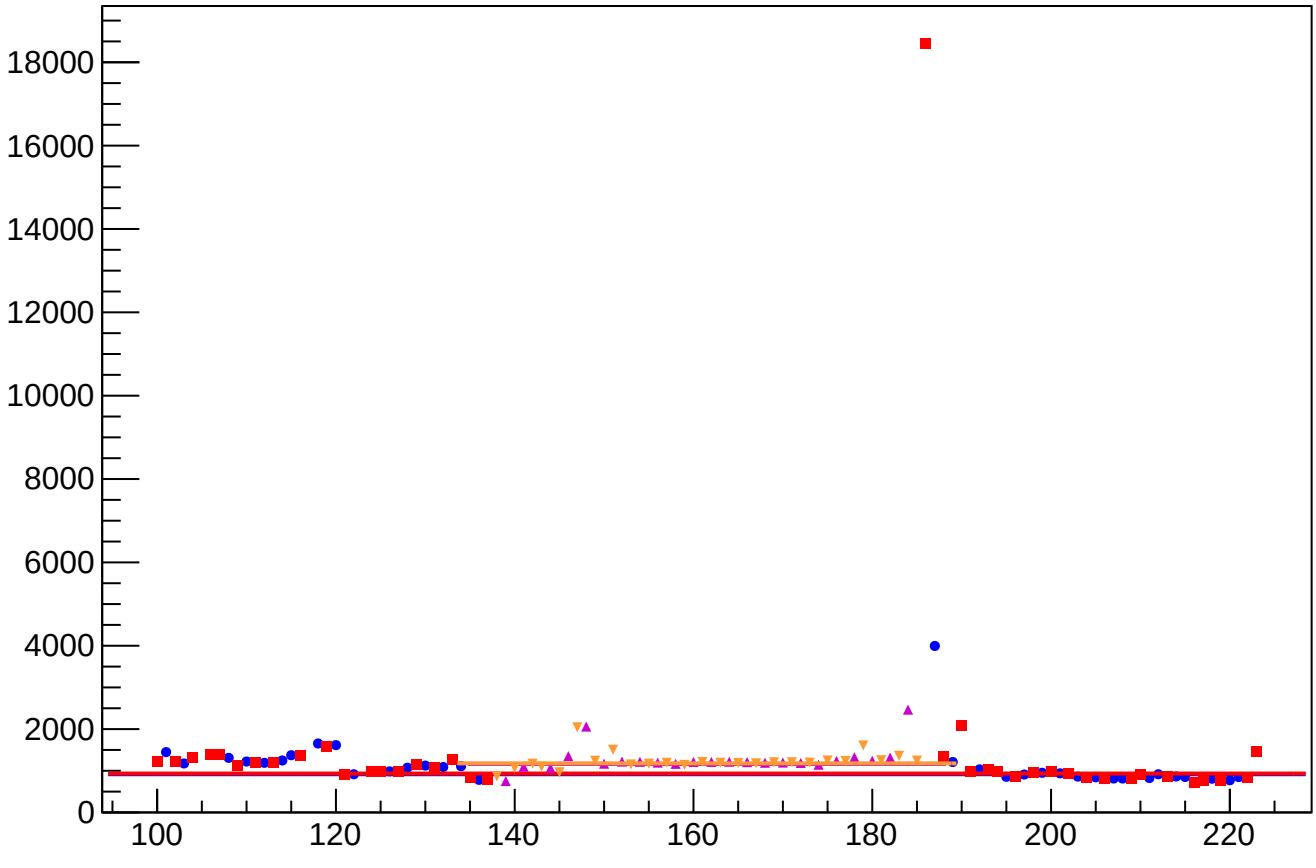
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.107+/-0.142 χ^2/NDF: 68.7/72

In: -0.074+/-0.162 χ^2/NDF:43.4/56

Out: 0.162+/-0.162 χ^2/NDF:66.3/63

All: 0.044+/-0.115 χ^2/NDF: 110.7/120



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

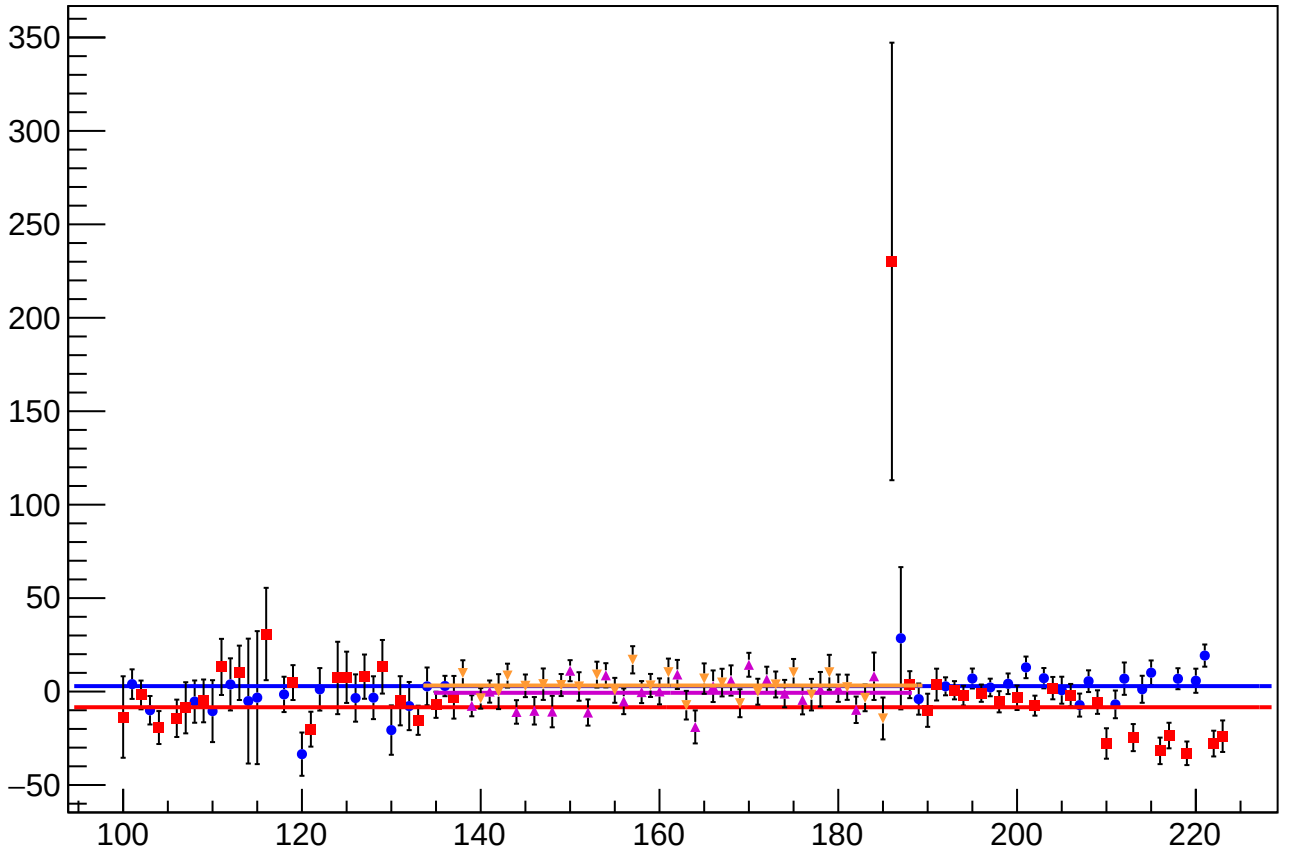
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 925.408+/-0.100 χ^2/NDF: 3917869.6/72

In: 1001.018+/-0.115 χ^2/NDF:3548921.1/56

Out: 1019.830+/-0.115 χ^2/NDF:4281166.6/63

All: 1010.417+/-0.081 χ^2/NDF: 7843511.5/12



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

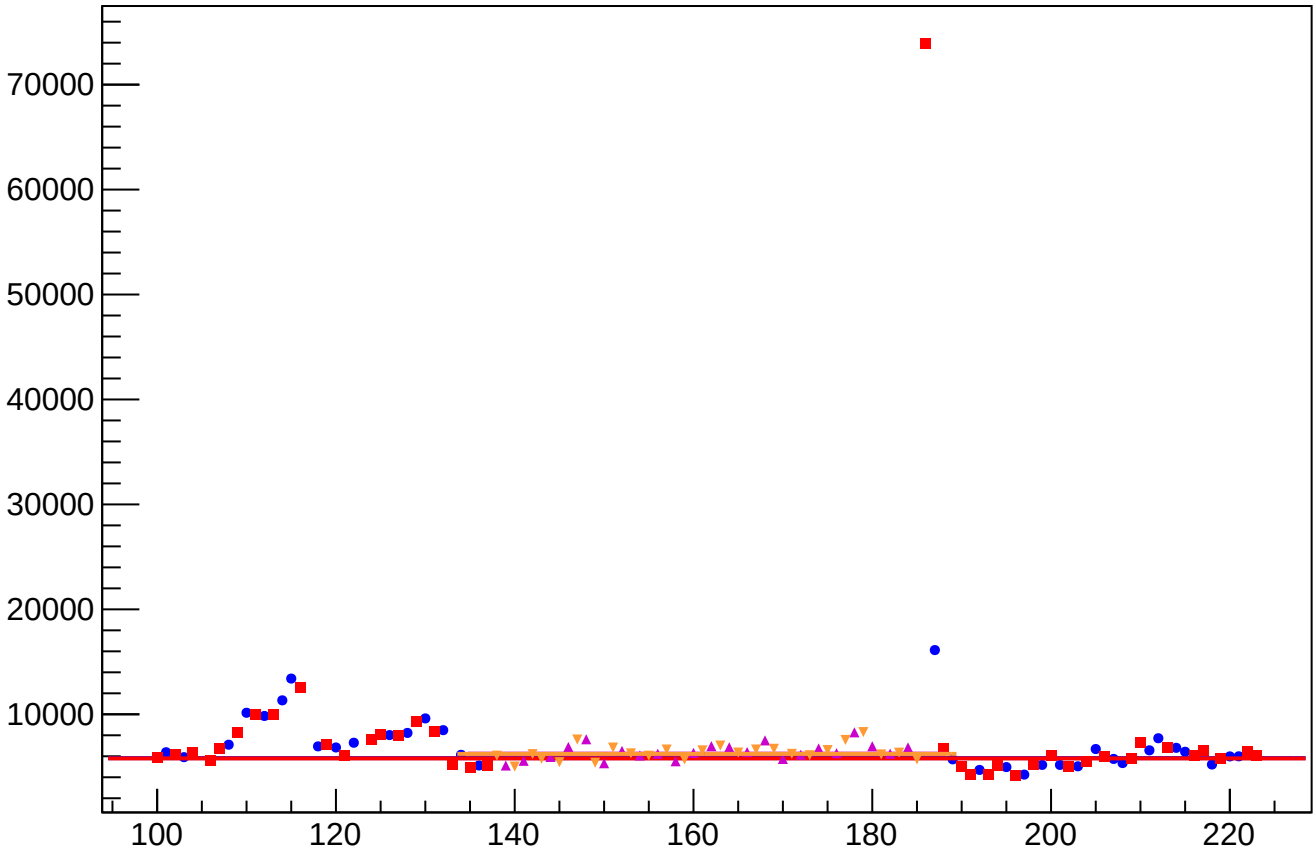
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.831+/-0.894 χ^2/NDF: 173.1/72

In: 1.378+/-0.964 χ^2/NDF:74.3/56

Out: -3.332+/-0.943 χ^2/NDF:149.8/63

All: -1.030+/-0.674 χ^2/NDF: 236.3/120



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

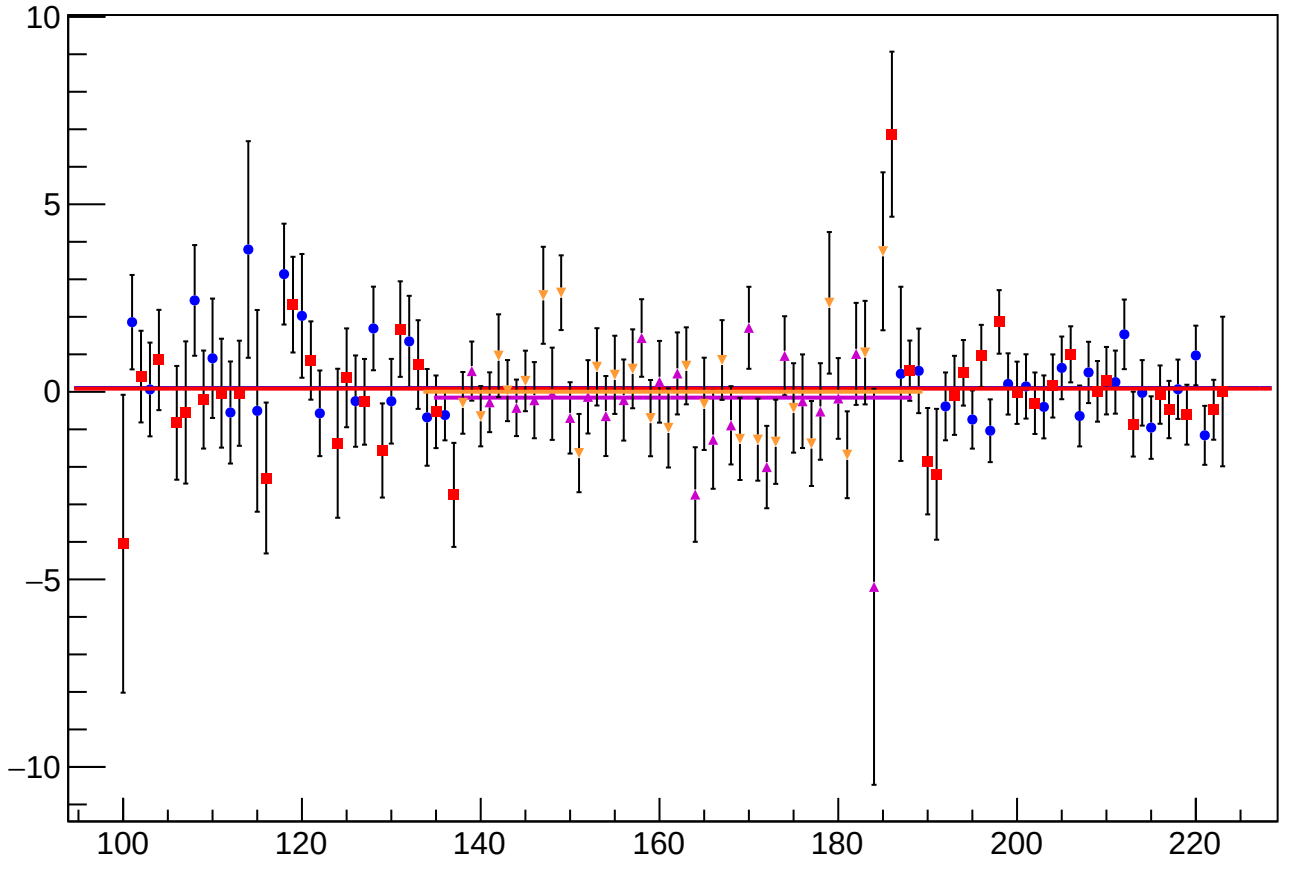
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5810.129+/-0.632 χ^2/NDF: 4383247.4/72

In: 6004.303+/-0.682 χ^2/NDF:2434748.8/56

Out: 5985.216+/-0.667 χ^2/NDF:3101256.8/63

All: 5994.546+/-0.477 χ^2/NDF: 5536406.3/12



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

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

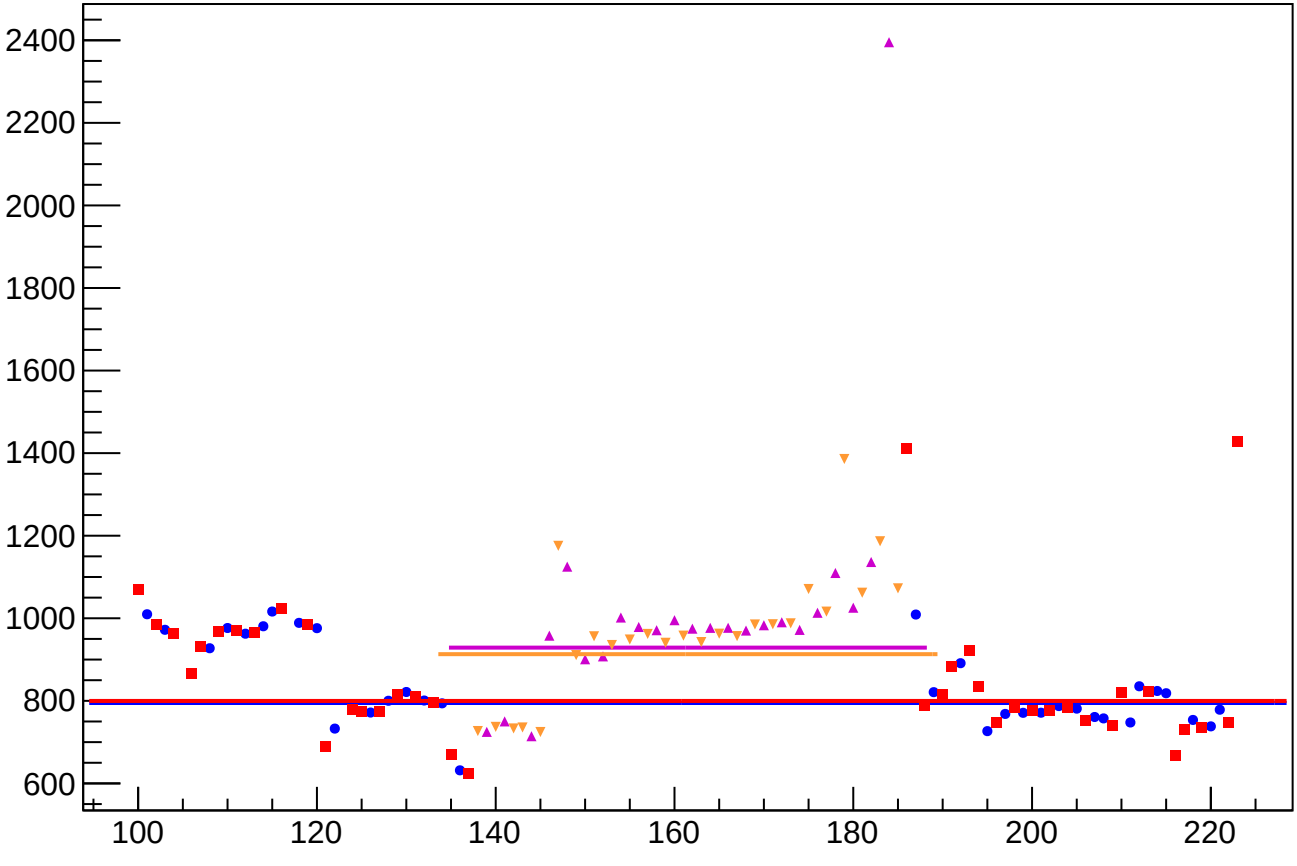
Right: 0.094+/-0.120 χ^2/NDF: 71.3/72

In: 0.006+/-0.135 χ^2/NDF:50.6/56

Out: 0.054+/-0.132 χ^2/NDF:71.6/63

All: 0.031+/-0.094 χ^2/NDF: 122.3/120

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



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

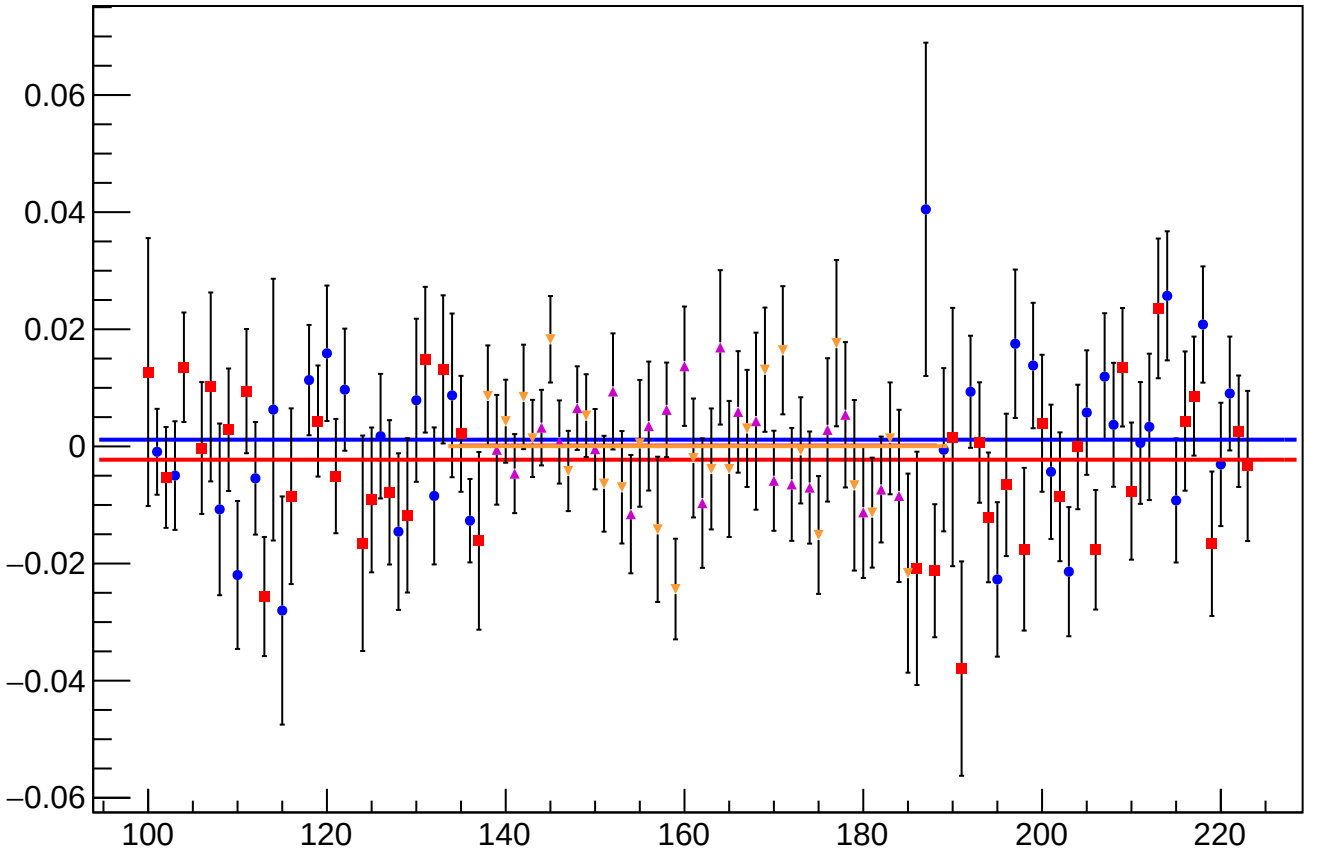
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 797.304+/-0.085 χ^2/NDF: 1350560.3/72

In: 844.733+/-0.095 χ^2/NDF:1714912.4/56

Out: 843.708+/-0.093 χ^2/NDF:2105071.6/63

All: 844.209+/-0.067 χ^2/NDF: 3820043.0/120



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

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

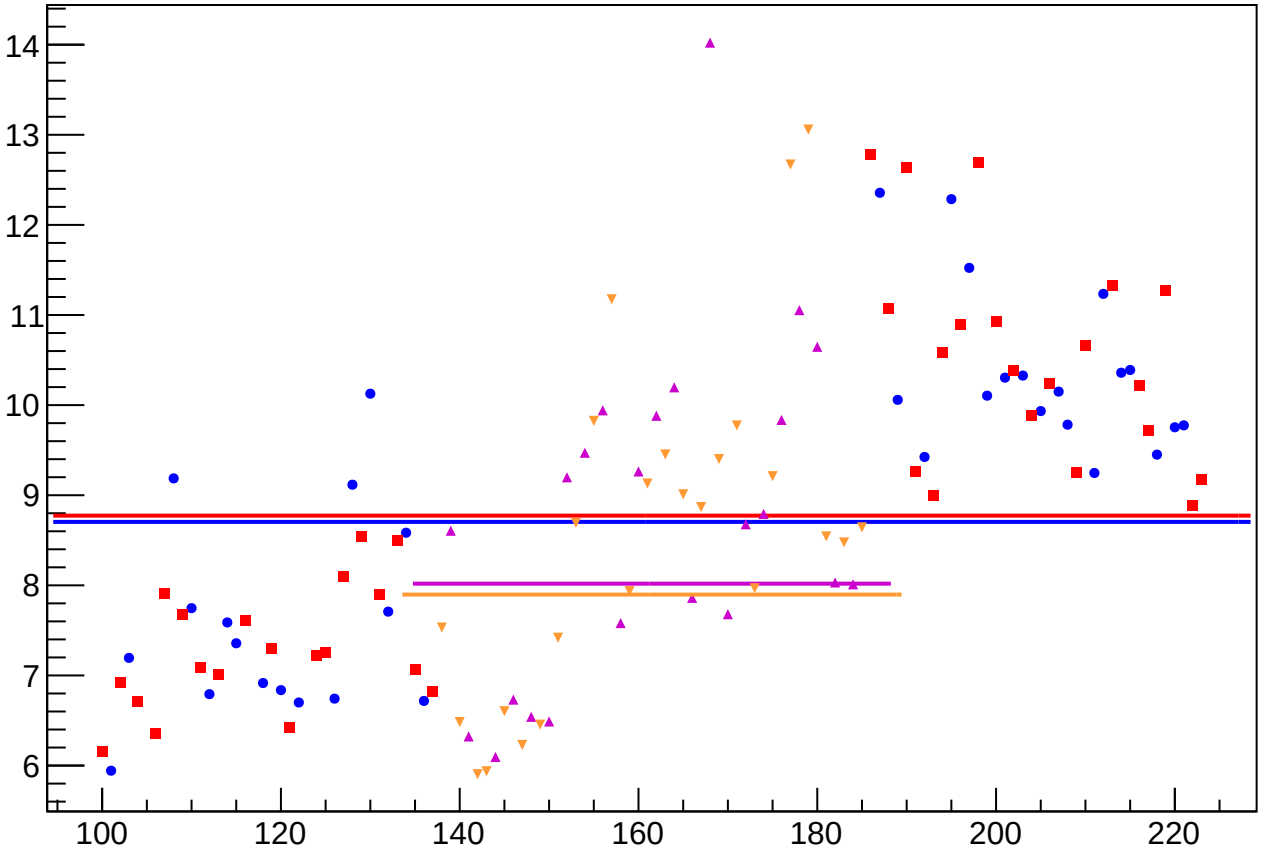
Right: -0.001+/-0.001 χ^2/NDF: 84.7/72

In: 0.001+/-0.001 χ^2/NDF:55.4/56

Out: -0.001+/-0.001 χ^2/NDF:72.5/63

All: -0.000+/-0.001 χ^2/NDF: 128.7/120

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



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

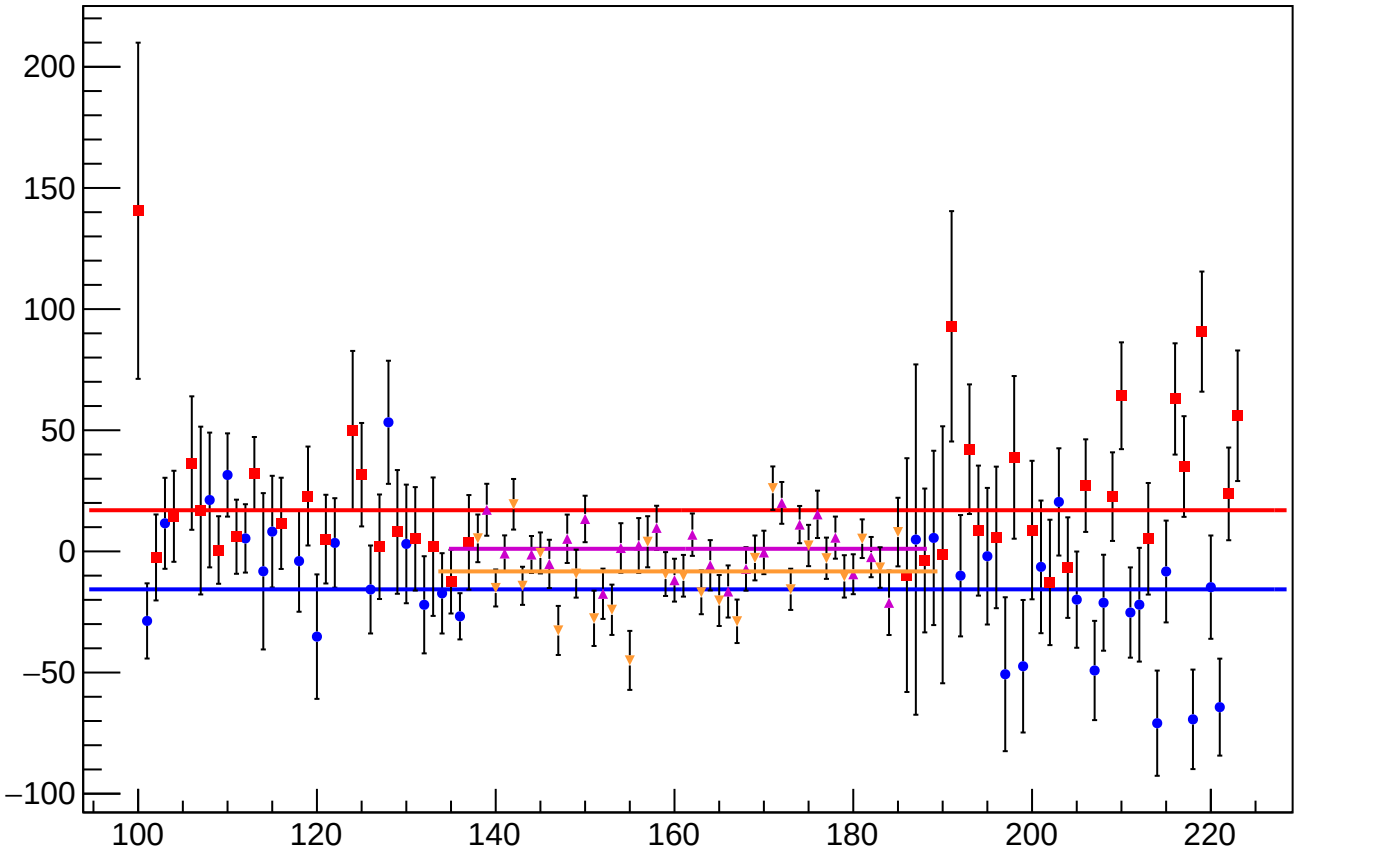
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

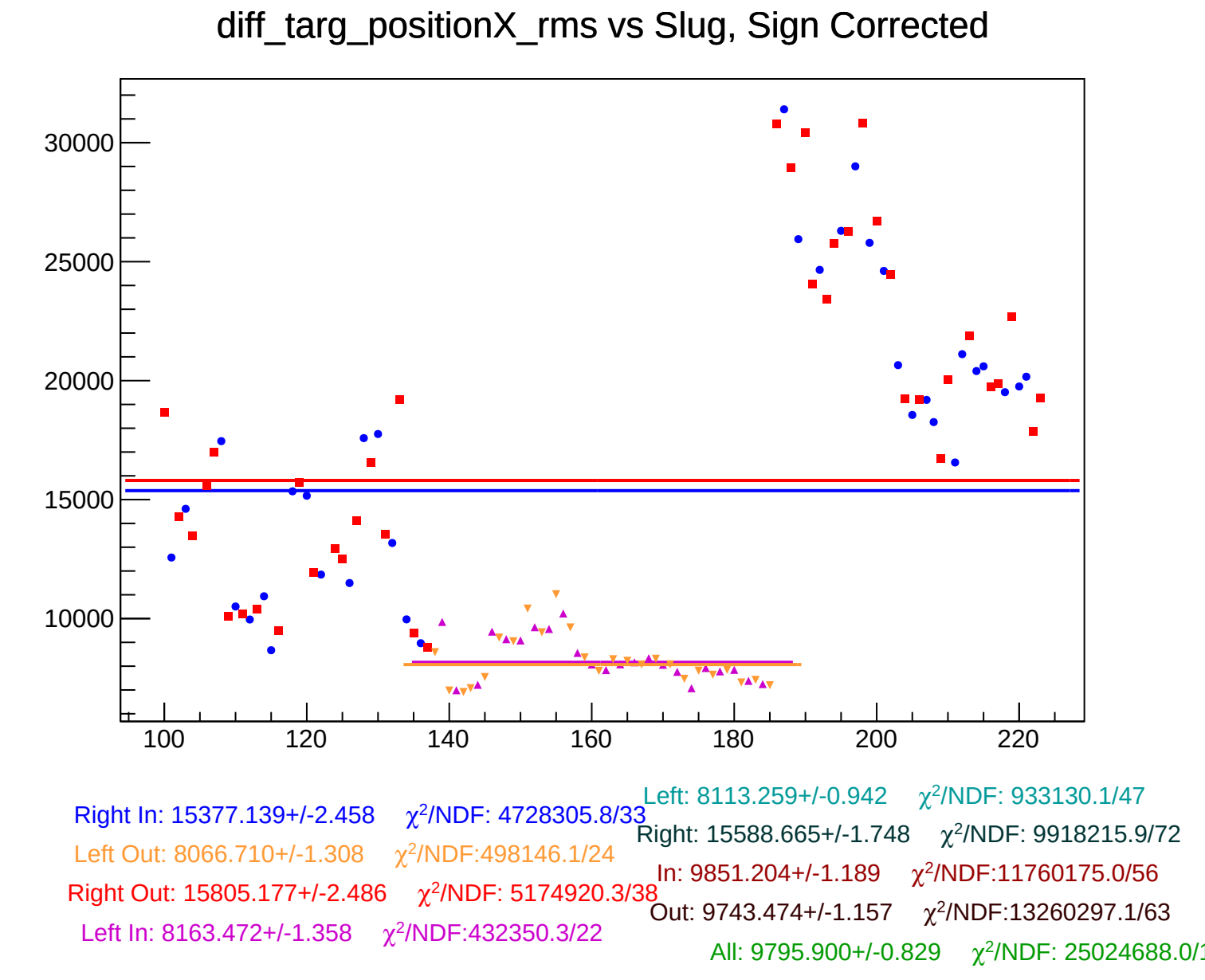
Right: 8.739+/-0.001 χ^2/NDF: 3381417.0/72

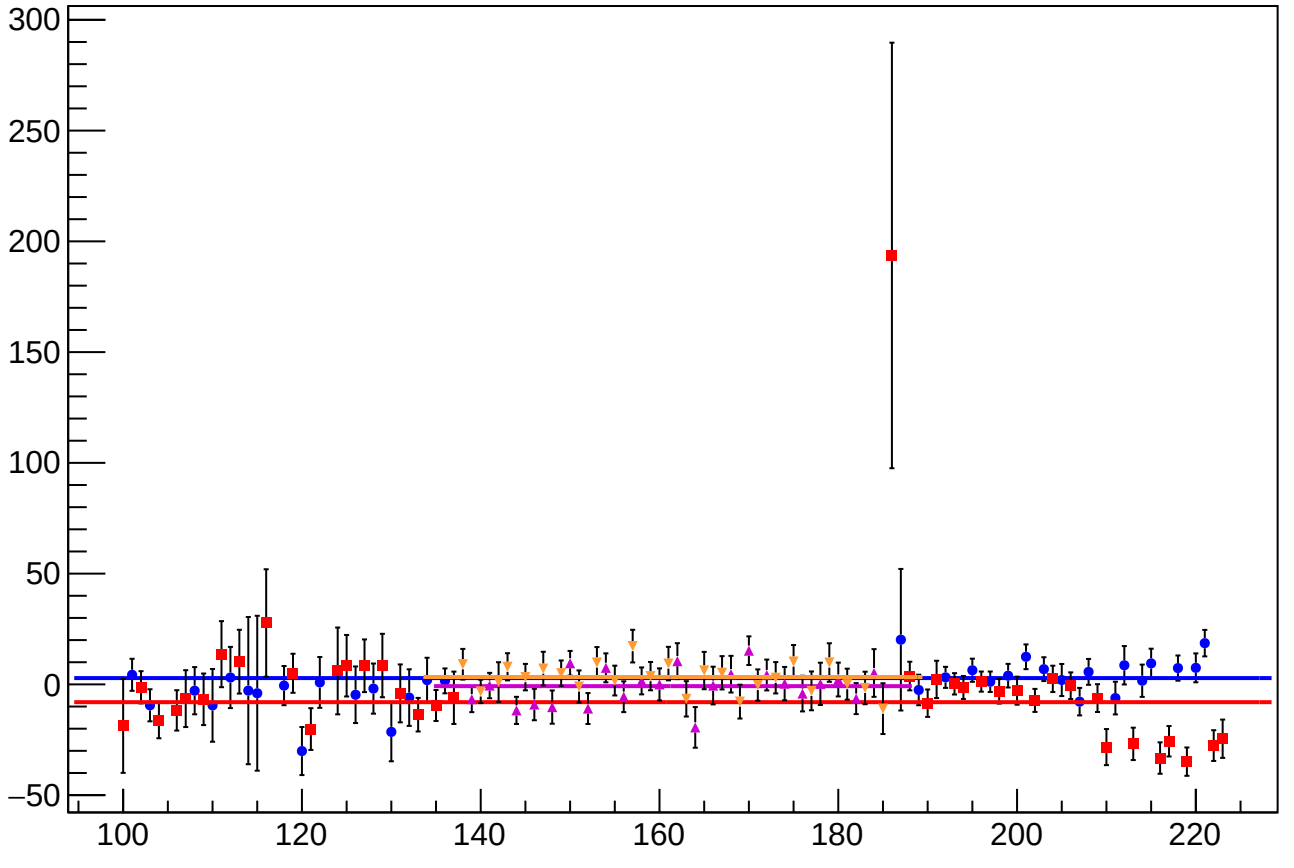
In: 8.366+/-0.001 χ^2/NDF:3235858.7/56

Out: 8.328+/-0.001 χ^2/NDF:3542372.5/63

All: 8.347+/-0.001 χ^2/NDF: 6779009.8/120


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -15.664+/-3.476 χ²/NDF: 55.4/33
Left Out: -8.256+/-1.849 χ²/NDF:62.2/24
Right Out: 16.990+/-3.516 χ²/NDF: 45.3/38
Left In: 1.072+/-1.921 χ²/NDF:28.8/22
Left: -3.769+/-1.332 χ²/NDF: 103.2/47
Right: 0.473+/-2.472 χ²/NDF: 144.3/72
In: -2.844+/-1.681 χ²/NDF:102.0/56
Out: -2.786+/-1.637 χ²/NDF:147.8/63
All: -2.814+/-1.173 χ²/NDF: 249.8/120


diff_targ_positionX_rms vs Slug, Sign Corrected
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
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 15588.665+/-1.748 χ²/NDF: 9918215.9/72
In: 9851.204+/-1.189 χ²/NDF:11760175.0/56
Out: 9743.474+/-1.157 χ²/NDF:13260297.1/63
All: 9795.900+/-0.829 χ²/NDF: 25024688.0/1



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

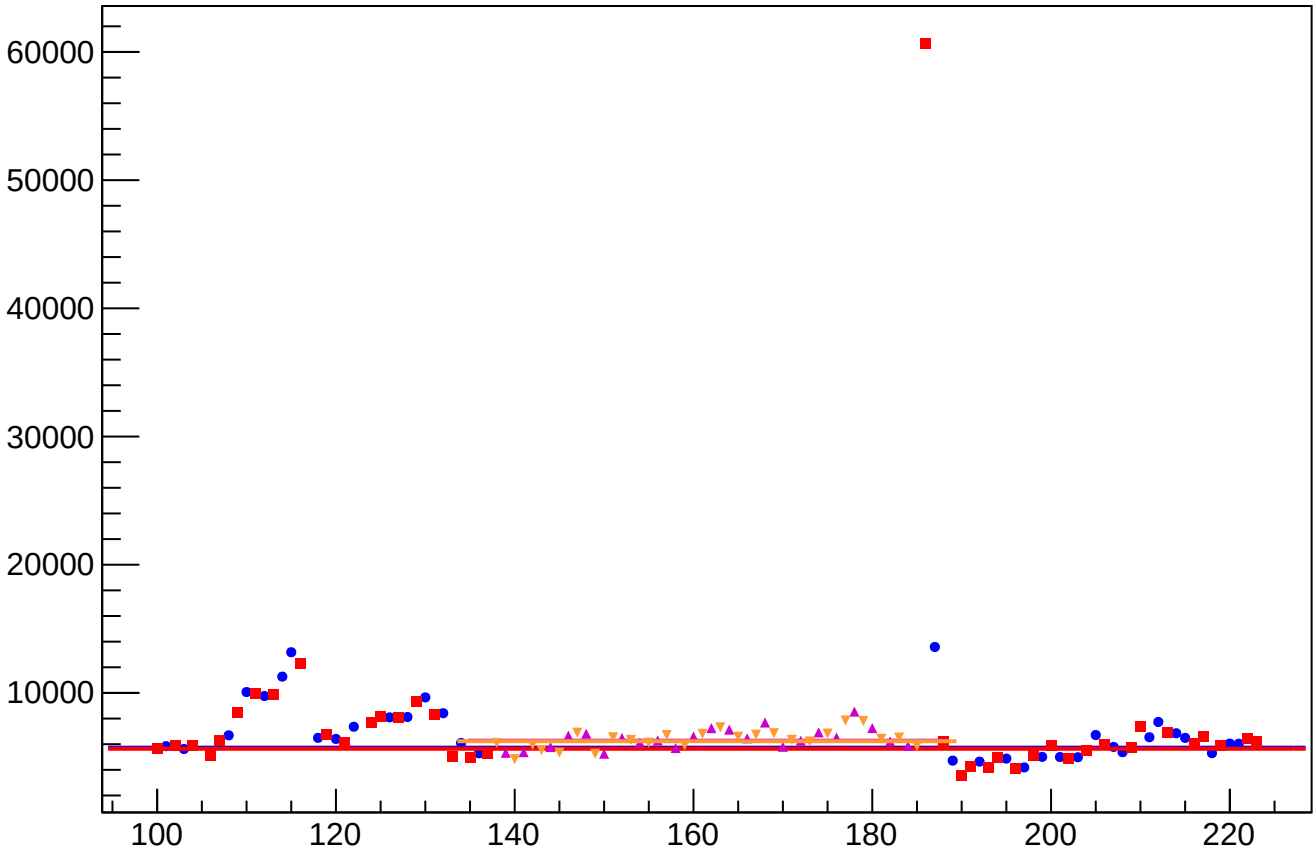
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -2.732+/-0.876 χ^2/NDF: 178.9/72

In: 1.321+/-0.957 χ^2/NDF:69.9/56

Out: -3.234+/-0.930 χ^2/NDF:156.8/63

All: -1.022+/-0.667 χ^2/NDF: 238.3/120



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

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

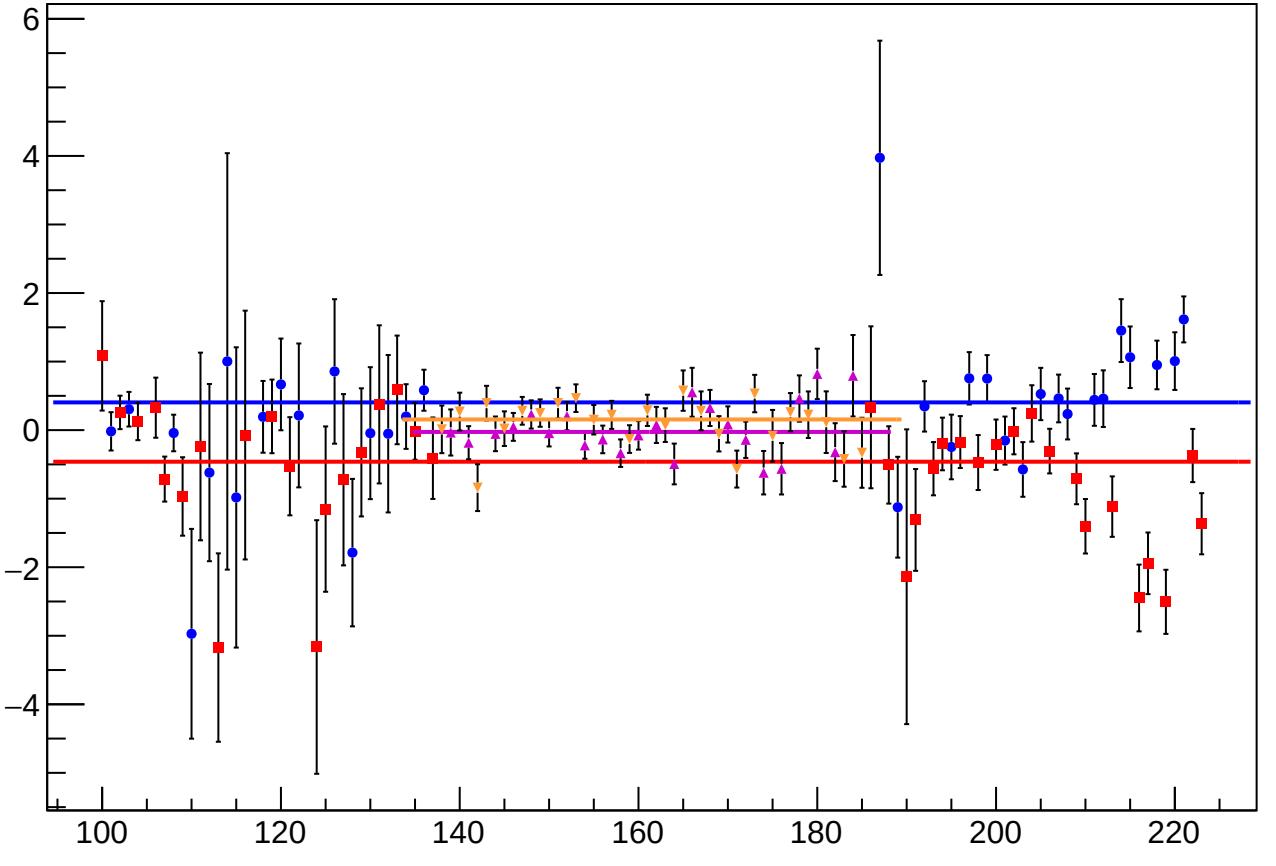
Right: 5684.904+/-0.619 χ^2/NDF: 4679178.3/72

In: 5956.013+/-0.676 χ^2/NDF:2557854.3/56

Out: 5891.032+/-0.657 χ^2/NDF:3505075.6/63

All: 5922.592+/-0.471 χ^2/NDF: 6067676.3/12

diff_targ_thetaX_mean vs Slug, Sign Corrected



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

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

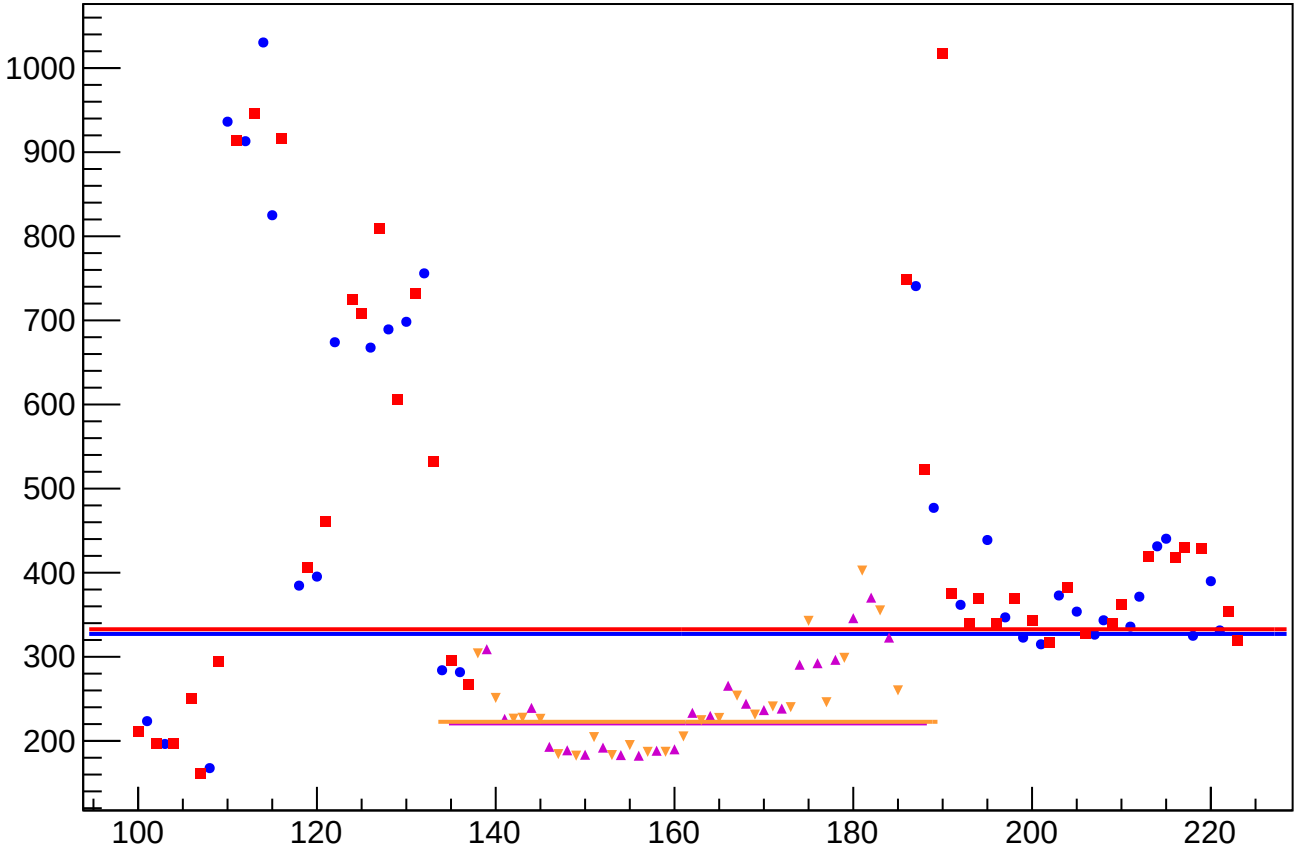
Right: -0.024+/-0.053 χ^2/NDF: 231.3/72

In: 0.119+/-0.043 χ^2/NDF:115.1/56

Out: -0.044+/-0.043 χ^2/NDF:179.1/63

All: 0.036+/-0.030 χ^2/NDF: 301.4/120

diff_targ_thetaX_rms vs Slug, Sign Corrected



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

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

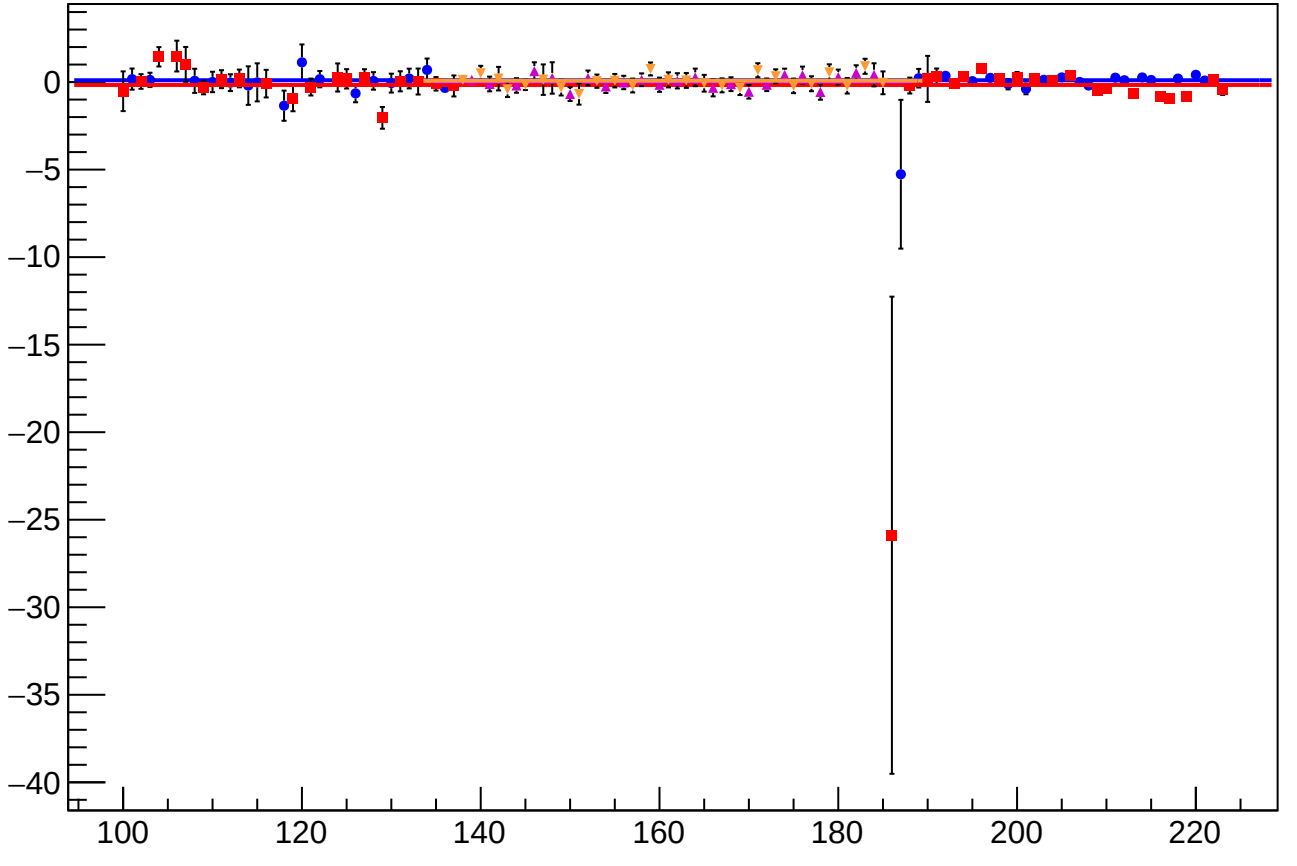
Right: 329.949+/-0.037 χ^2/NDF: 9584148.6/72

In: 256.679+/-0.030 χ^2/NDF:8672610.8/56

Out: 258.404+/-0.030 χ^2/NDF:9463167.0/63

All: 257.551+/-0.021 χ^2/NDF: 18137395.7/12

diff_targ_thetaY_mean vs Slug, Sign Corrected



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

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

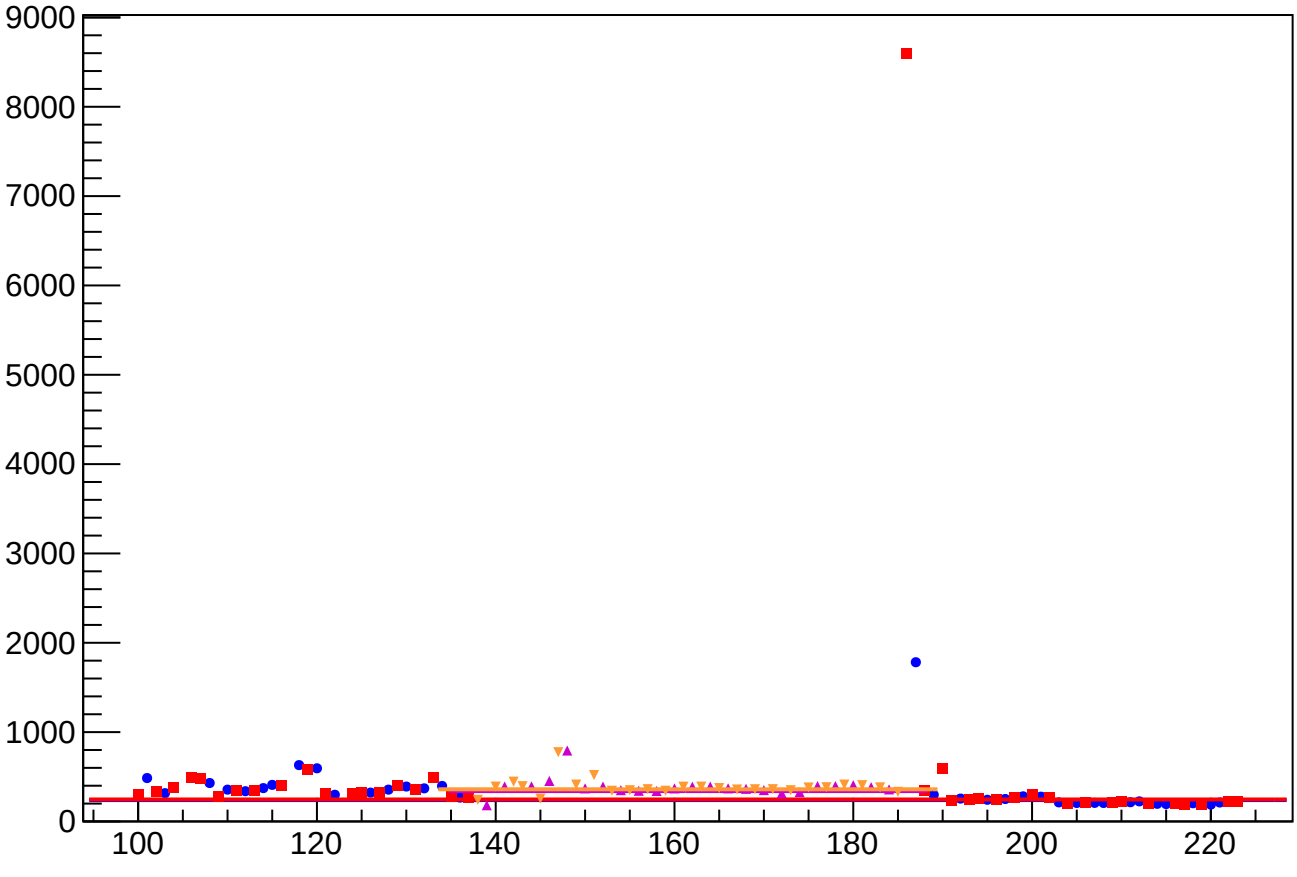
Right: -0.028+/-0.038 χ^2/NDF: 138.6/72

In: 0.076+/-0.045 χ^2/NDF:37.8/56

Out: -0.093+/-0.046 χ^2/NDF:129.3/63

All: -0.007+/-0.032 χ^2/NDF: 174.1/120

diff_targ_thetaY_rms vs Slug, Sign Corrected



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

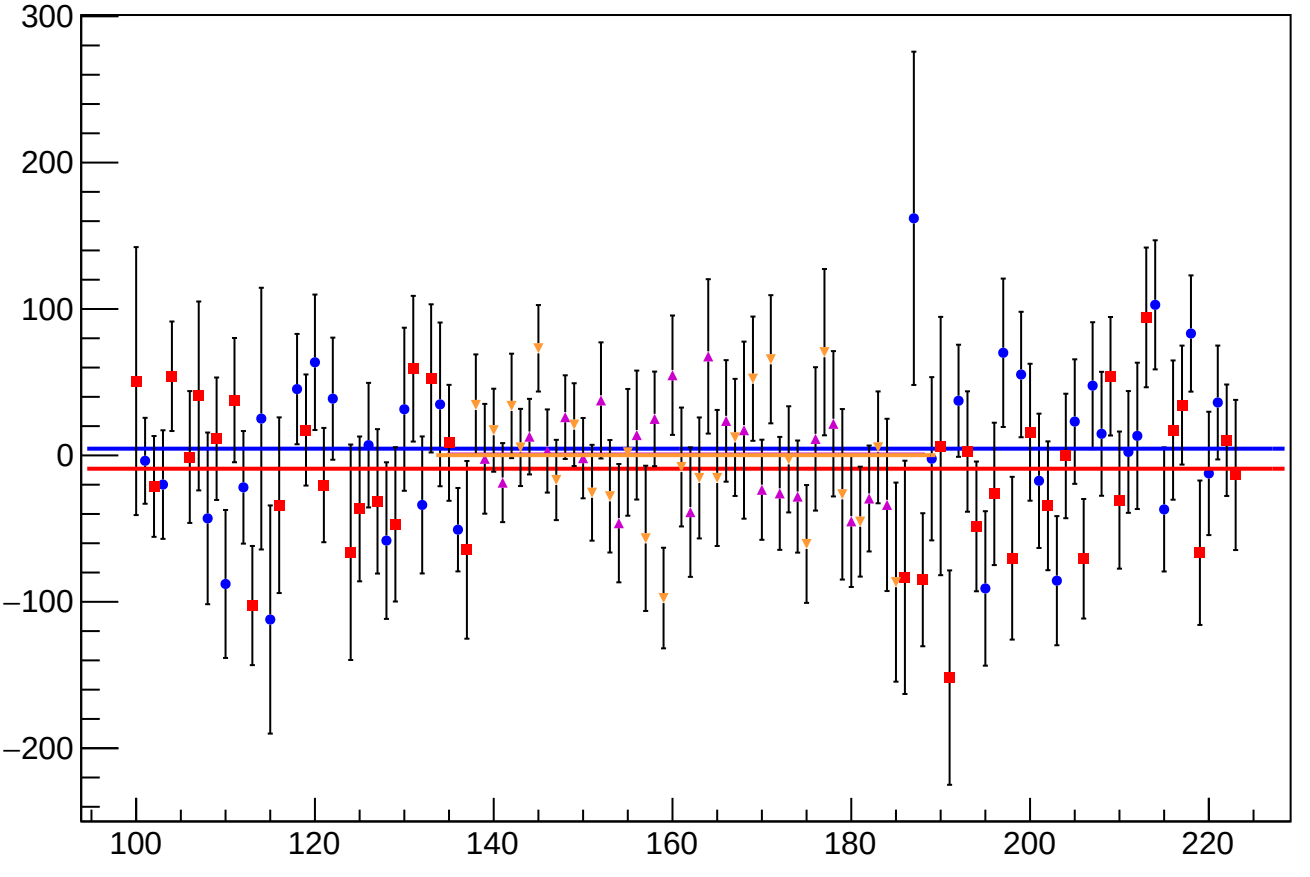
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 242.637+/-0.027 χ^2/NDF: 6430207.4/72

In: 268.798+/-0.032 χ^2/NDF:7309674.8/56

Out: 279.445+/-0.032 χ^2/NDF:7344637.8/63

All: 274.020+/-0.023 χ^2/NDF: 14709757.5/12



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

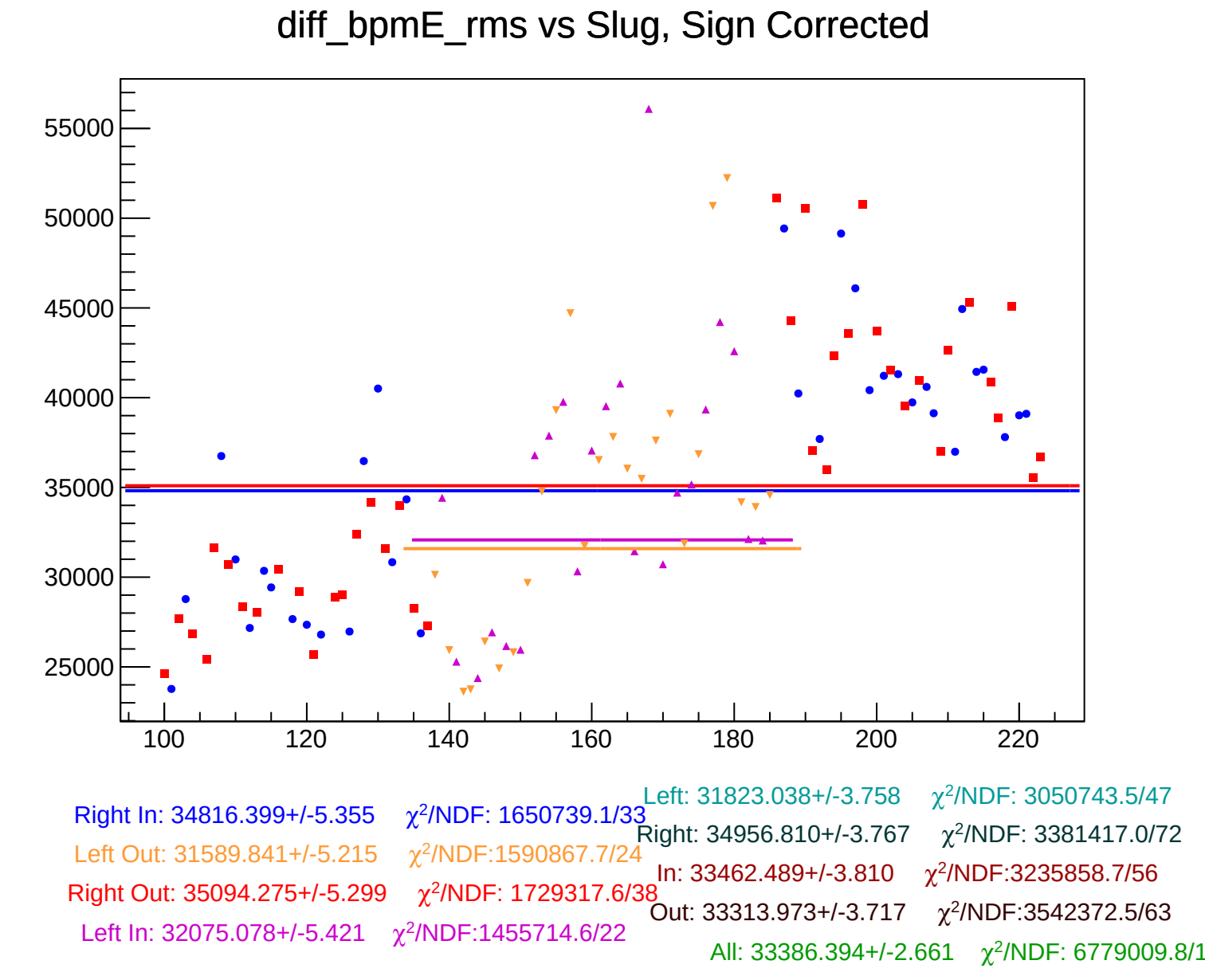
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.319+/-5.327 χ^2/NDF: 84.7/72

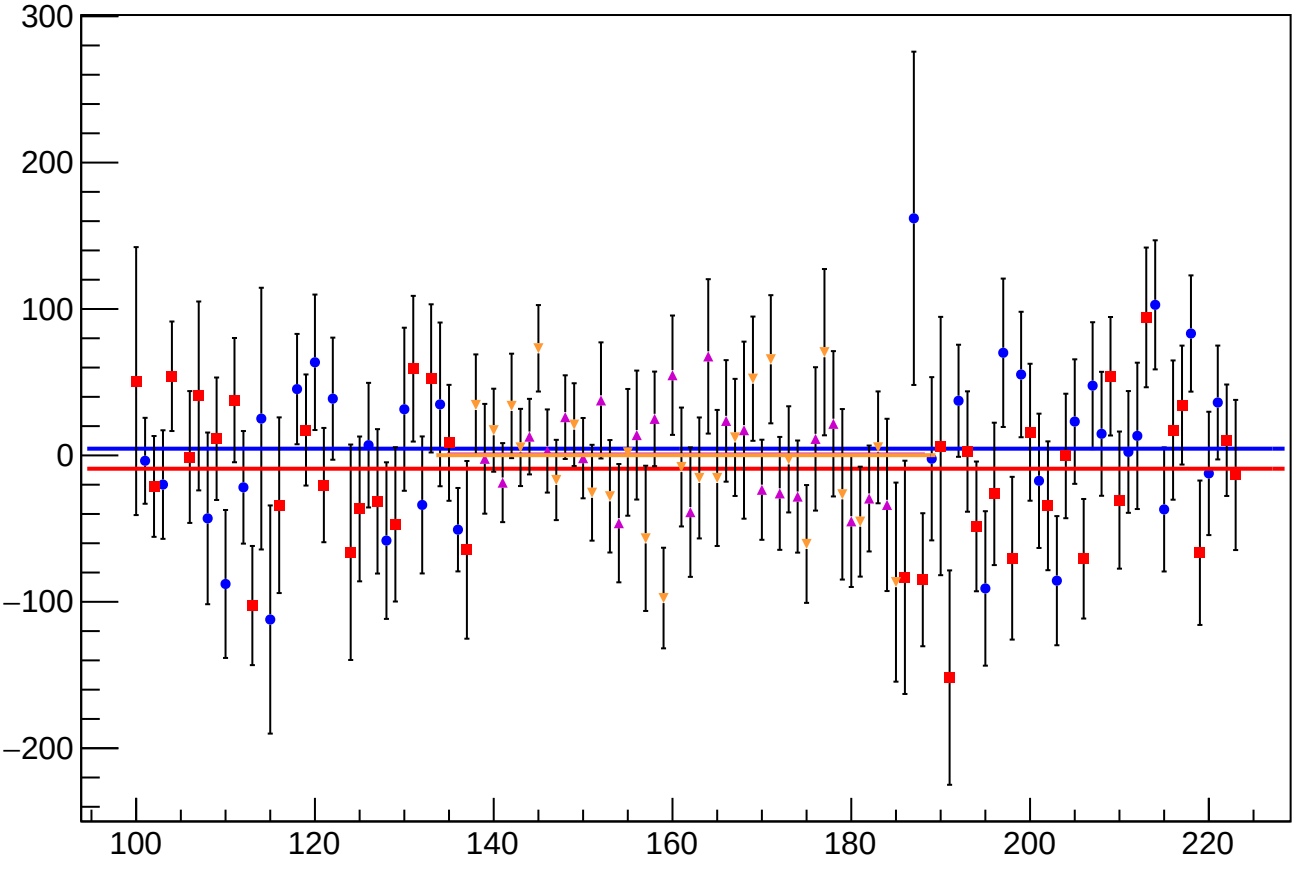
In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.386+/-5.256 χ^2/NDF:72.5/63

All: -0.972+/-3.763 χ^2/NDF: 128.7/120


diff_bpmE_rms vs Slug, Sign Corrected
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
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34956.810+/-3.767 χ²/NDF: 3381417.0/72
In: 33462.489+/-3.810 χ²/NDF:3235858.7/56
Out: 33313.973+/-3.717 χ²/NDF:3542372.5/63
All: 33386.394+/-2.661 χ²/NDF: 6779009.8/1

diff_bpmEX_mean vs Slug, Sign Corrected



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

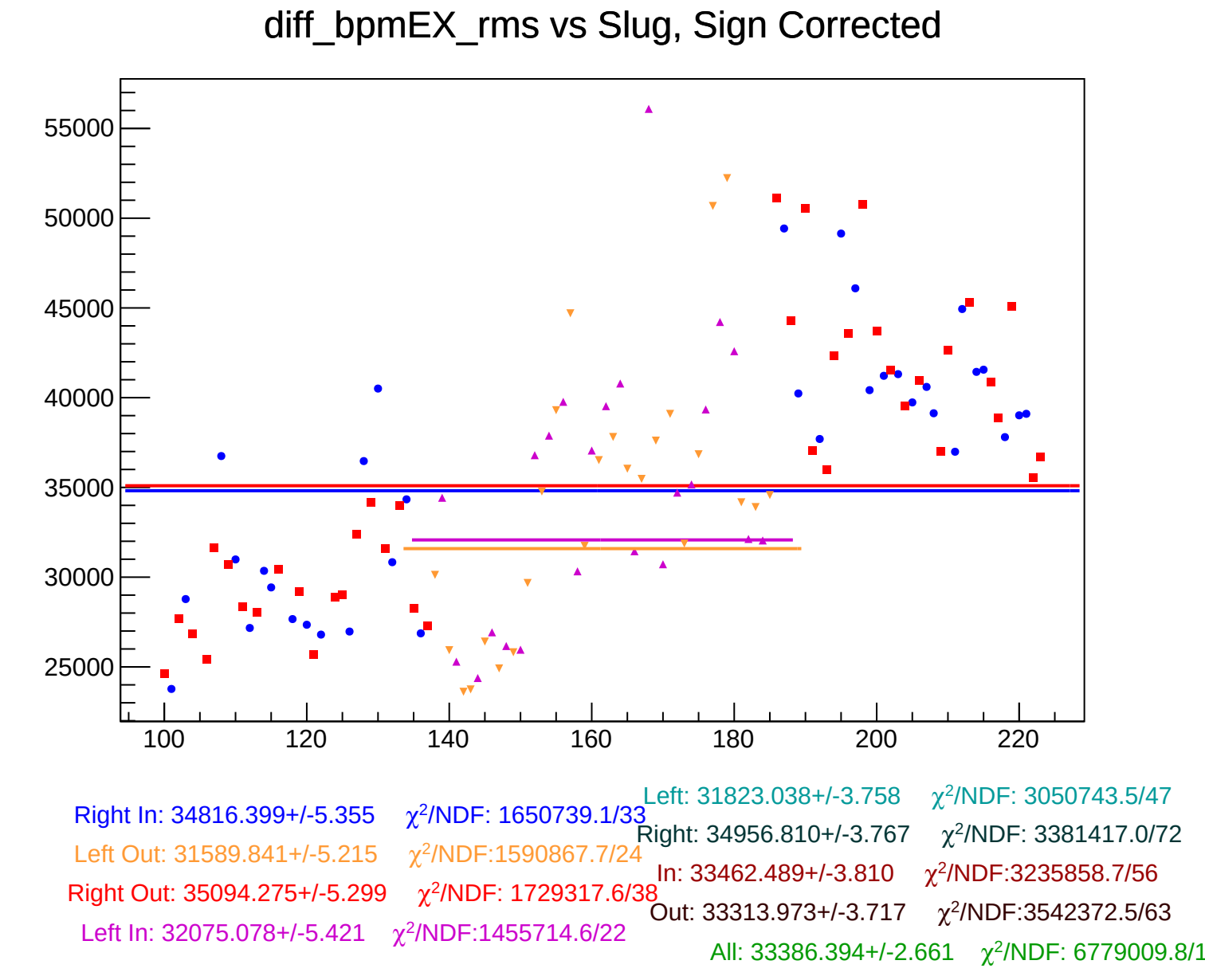
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.319+/-5.327 χ^2/NDF: 84.7/72

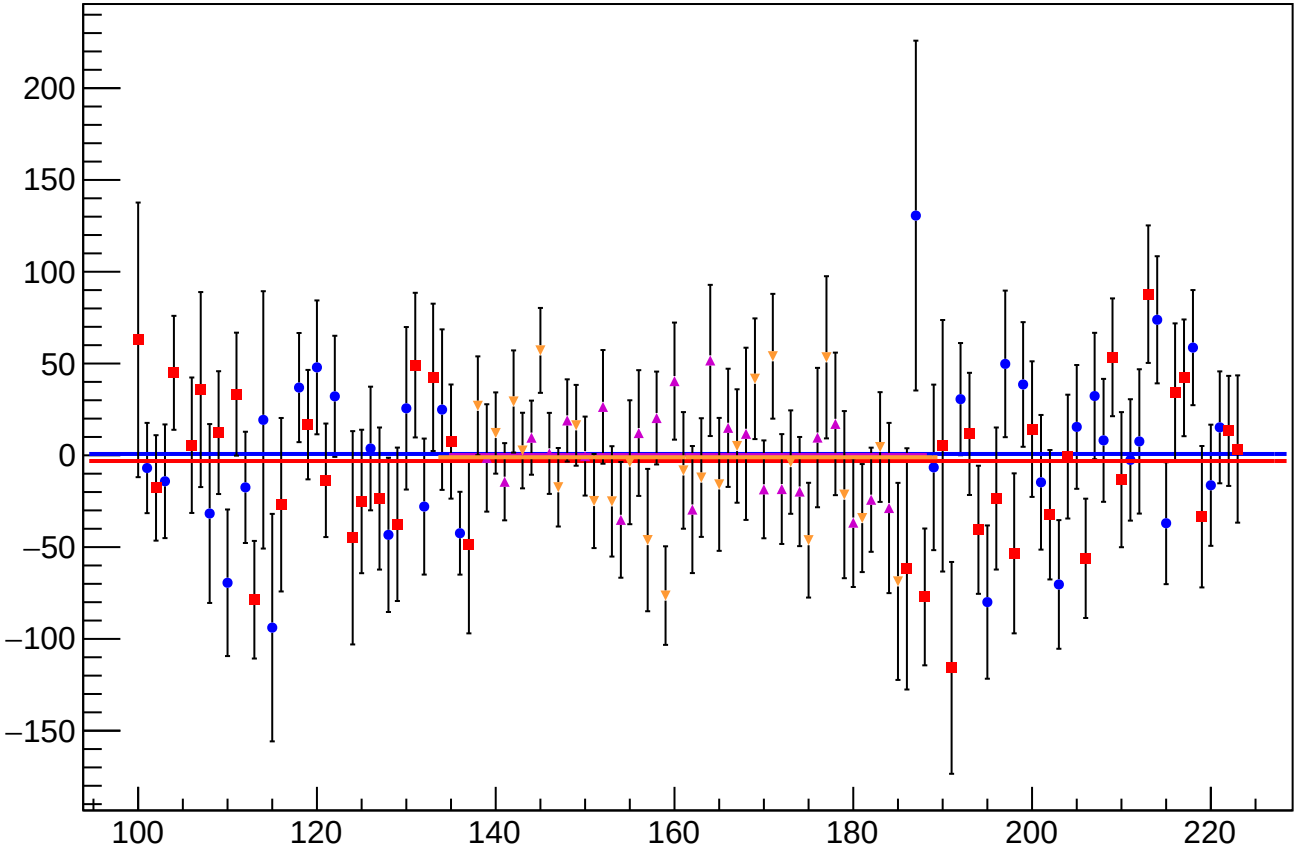
In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.386+/-5.256 χ^2/NDF:72.5/63

All: -0.972+/-3.763 χ^2/NDF: 128.7/120


diff_bpmEX_rms vs Slug, Sign Corrected
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
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34956.810+/-3.767 χ²/NDF: 3381417.0/72
In: 33462.489+/-3.810 χ²/NDF:3235858.7/56
Out: 33313.973+/-3.717 χ²/NDF:3542372.5/63
All: 33386.394+/-2.661 χ²/NDF: 6779009.8/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



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

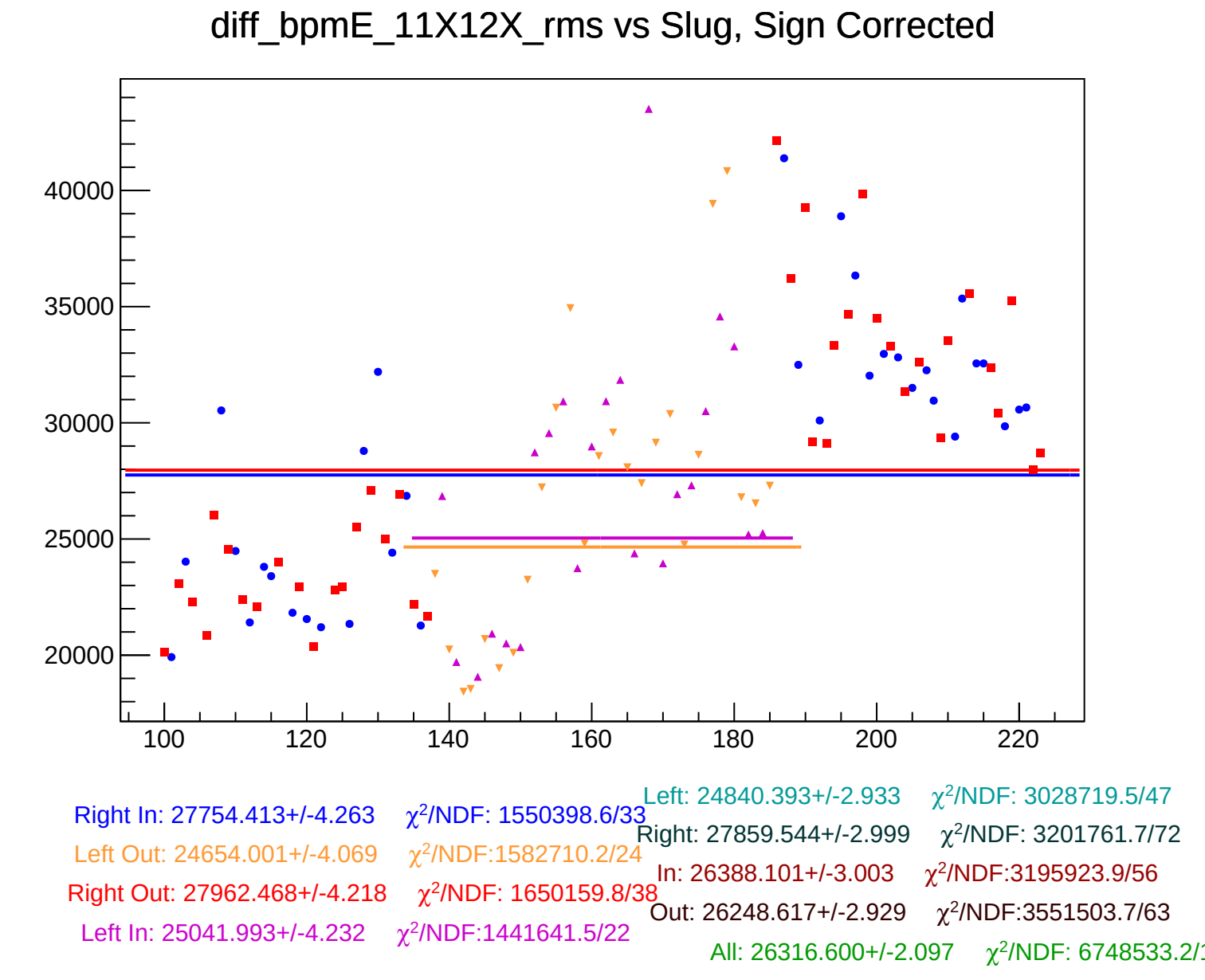
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -1.200+/-4.241 χ^2/NDF: 87.1/72

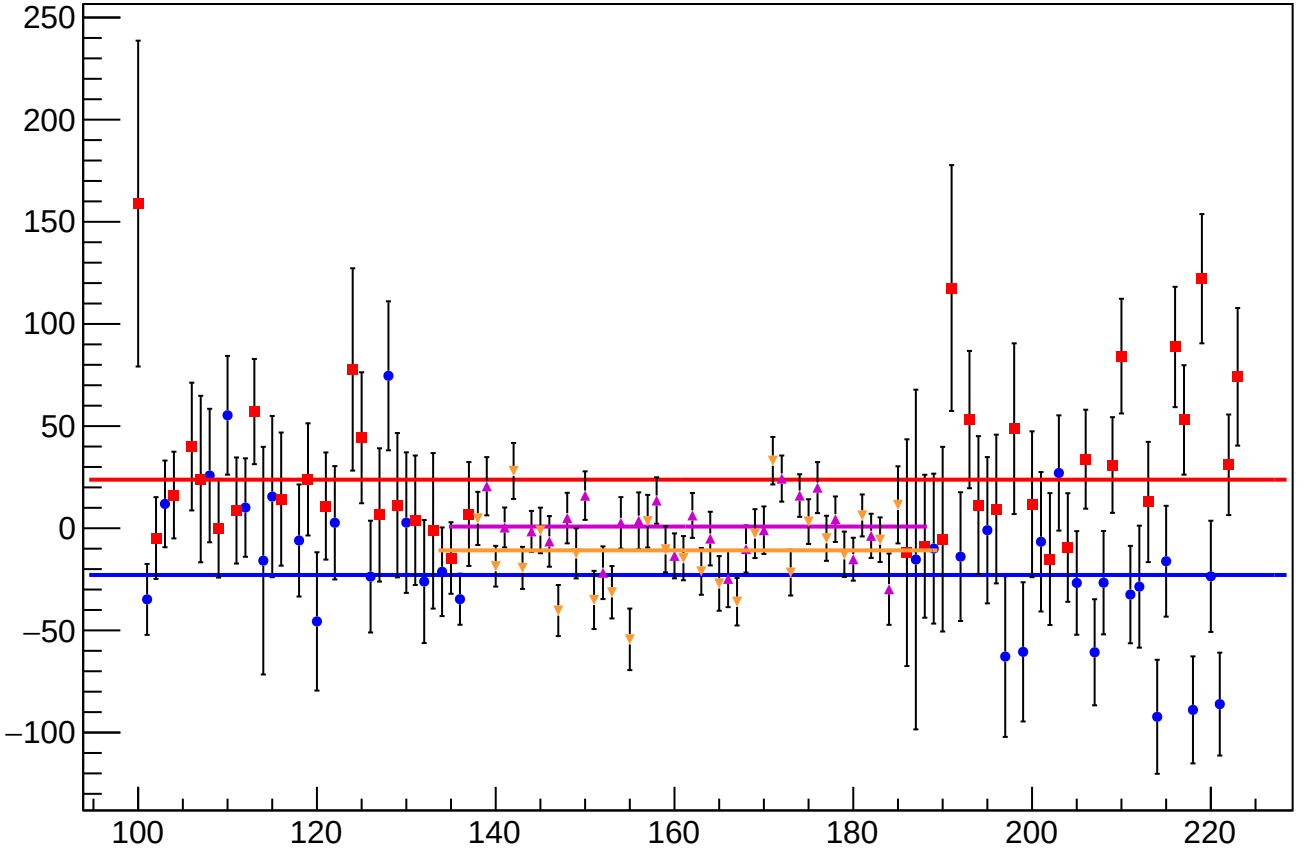
In: 0.440+/-4.248 χ^2/NDF:53.2/56

Out: -2.032+/-4.142 χ^2/NDF:78.2/63

All: -0.827+/-2.965 χ^2/NDF: 131.5/120


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
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
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 27859.544+/-2.999 χ²/NDF: 3201761.7/72
In: 26388.101+/-3.003 χ²/NDF:3195923.9/56
Out: 26248.617+/-2.929 χ²/NDF:3551503.7/63
All: 26316.600+/-2.097 χ²/NDF: 6748533.2/

diff_bpm4aesumX_mean vs Slug, Sign Corrected



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

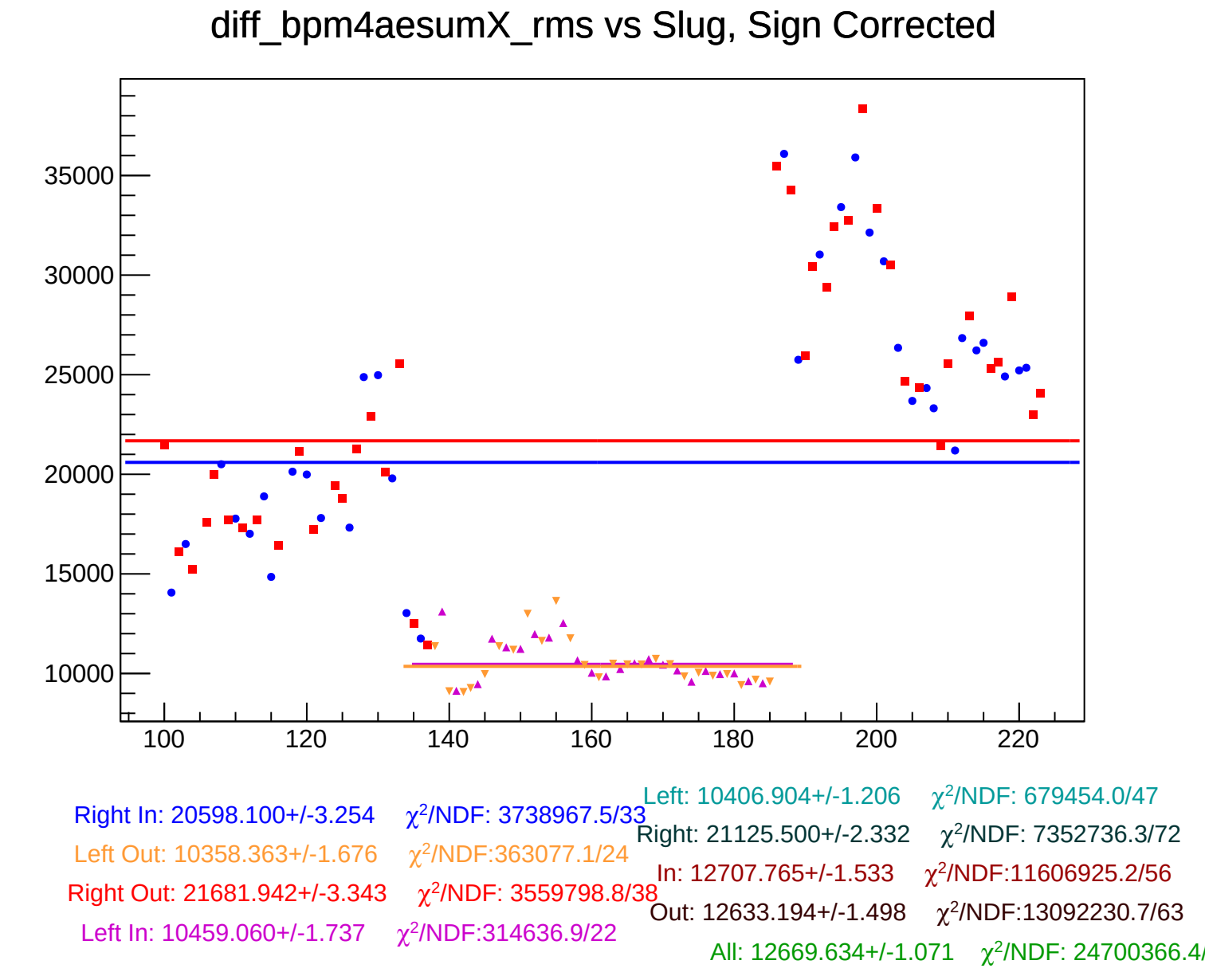
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

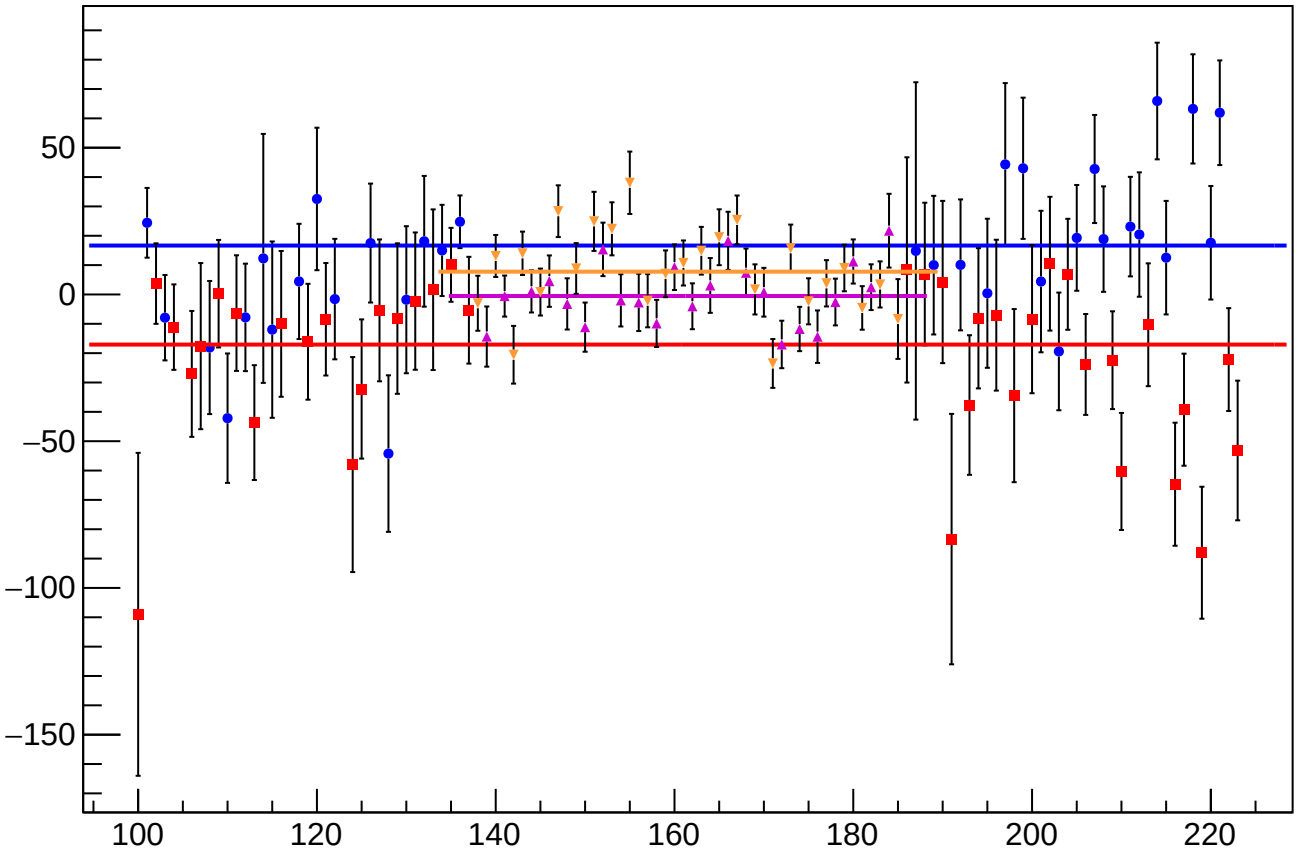
Right: -0.168+/-3.298 χ^2/NDF: 151.6/72

In: -4.428+/-2.168 χ^2/NDF:103.2/56

Out: -3.871+/-2.119 χ^2/NDF:152.5/63

All: -4.143+/-1.515 χ^2/NDF: 255.8/120


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 20598.100+/-3.254 χ²/NDF: 3738967.5/33
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 21681.942+/-3.343 χ²/NDF: 3559798.8/38
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 21125.500+/-2.332 χ²/NDF: 7352736.3/72
In: 12707.765+/-1.533 χ²/NDF:11606925.2/56
Out: 12633.194+/-1.498 χ²/NDF:13092230.7/63
All: 12669.634+/-1.071 χ²/NDF: 24700366.4/



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

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

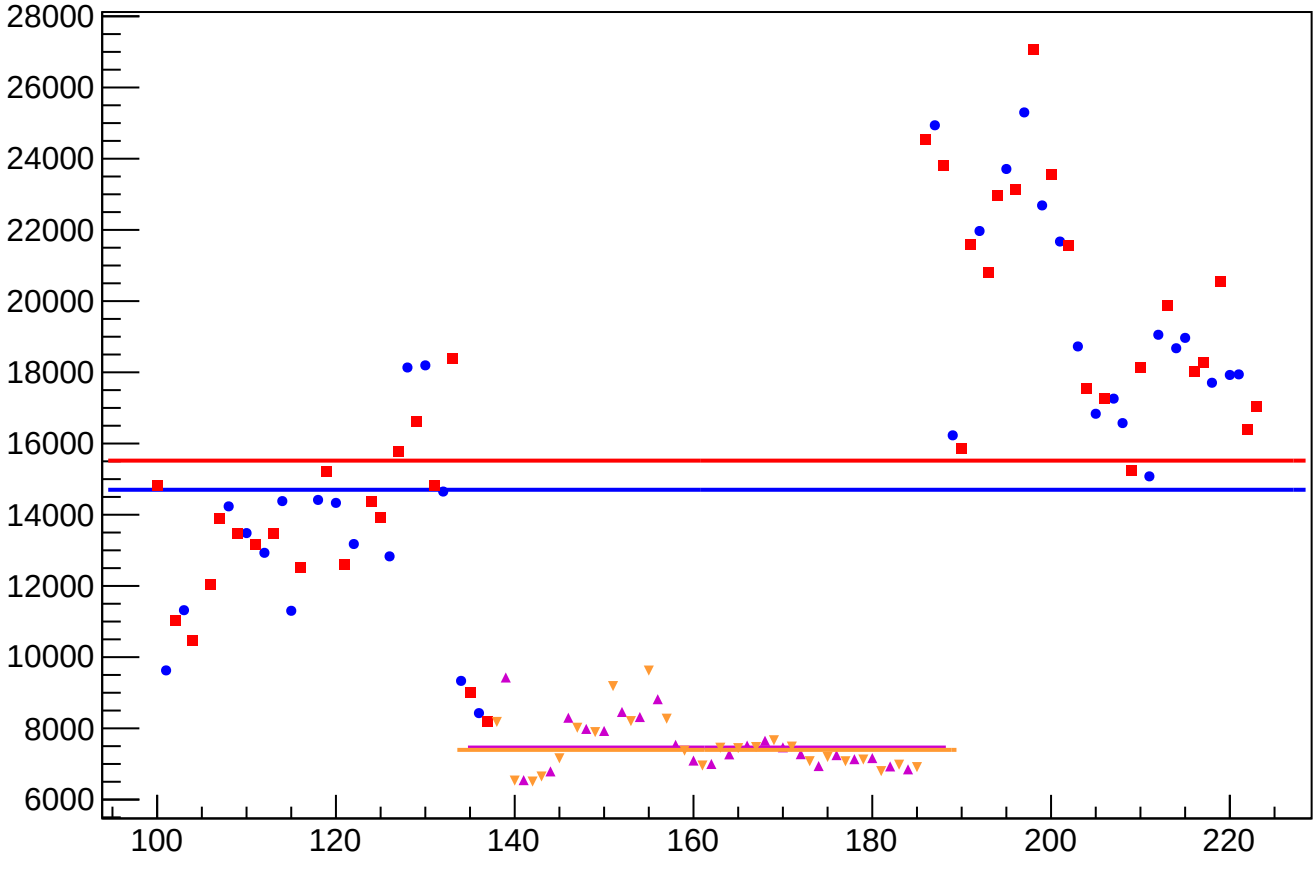
Right: 0.272+/-2.355 χ^2/NDF: 153.8/72

In: 3.279+/-1.546 χ^2/NDF:103.7/56

Out: 2.784+/-1.512 χ^2/NDF:153.8/63

All: 3.026+/-1.081 χ^2/NDF: 257.5/120

diff_bpm4aediffX_rms vs Slug, Sign Corrected



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

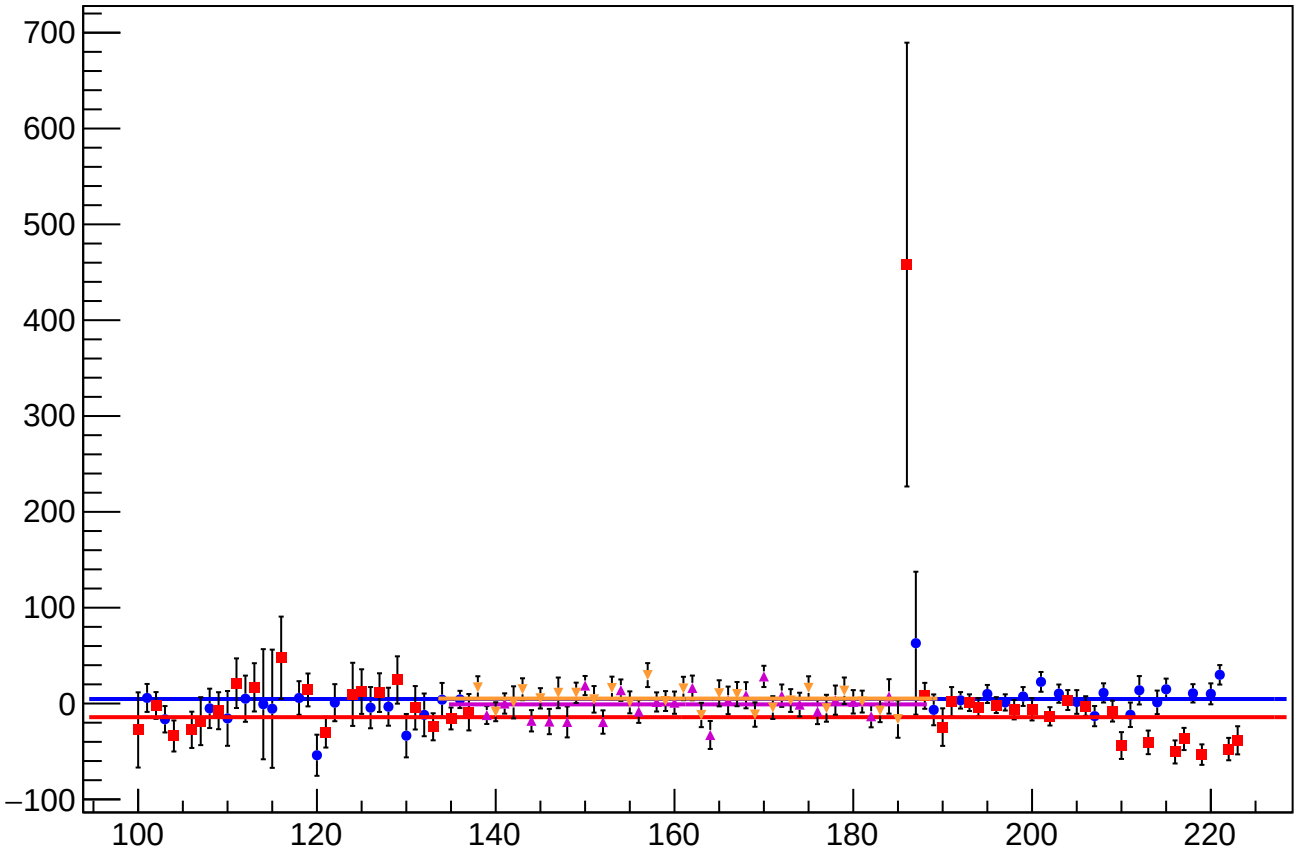
Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

Right: 15098.836+/-1.665 χ^2/NDF: 7141552.7/72

In: 9065.201+/-1.093 χ^2/NDF:11515666.3/56

Out: 9024.167+/-1.069 χ^2/NDF:12991510.1/63

All: 9044.238+/-0.764 χ^2/NDF: 24507896.5/1



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

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

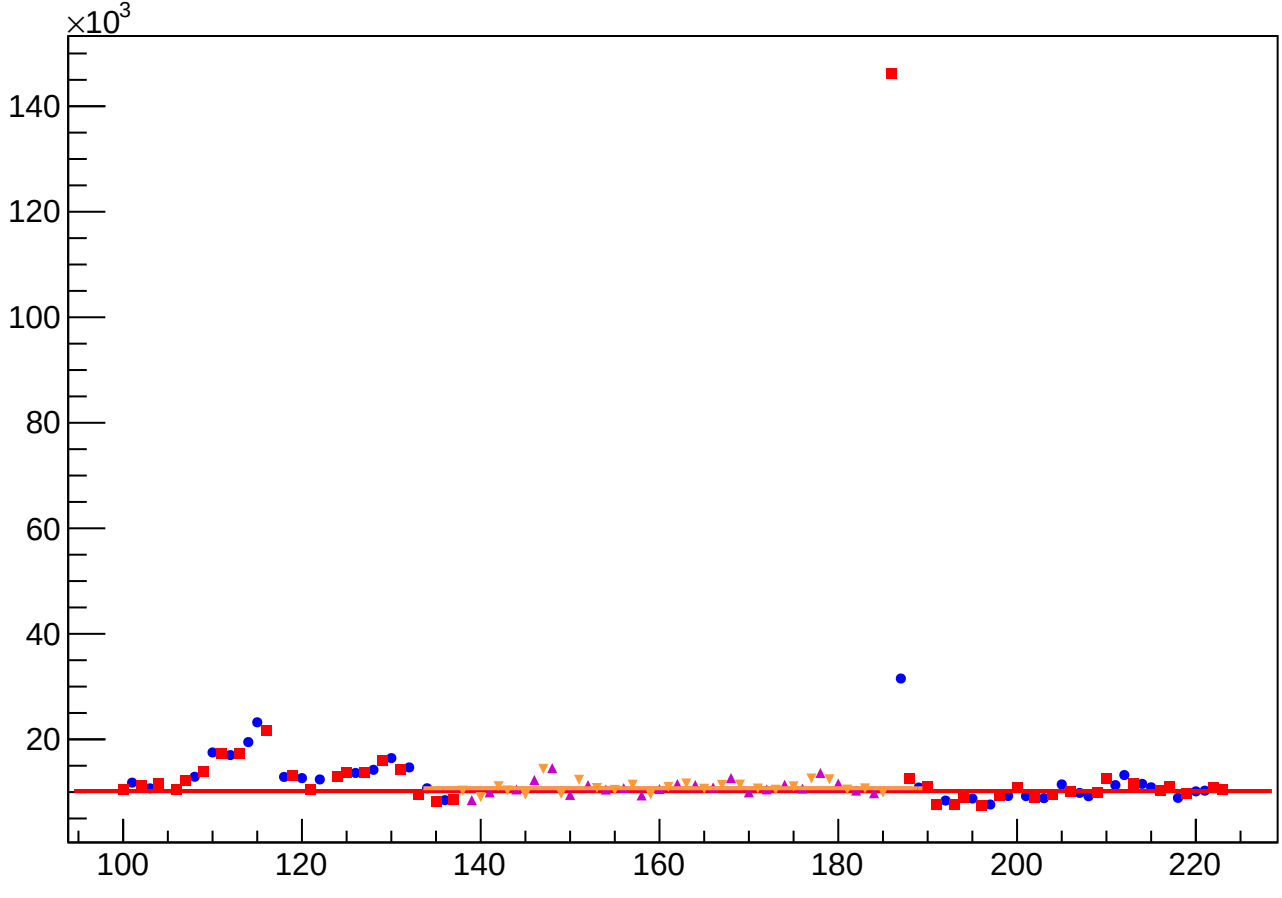
Right: -4.841+/-1.568 χ^2/NDF: 154.6/72

In: 2.259+/-1.669 χ^2/NDF:67.1/56

Out: -5.569+/-1.643 χ^2/NDF:138.4/63

All: -1.717+/-1.171 χ^2/NDF: 216.7/120

diff_bpm4aesumY_rms vs Slug, Sign Corrected



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

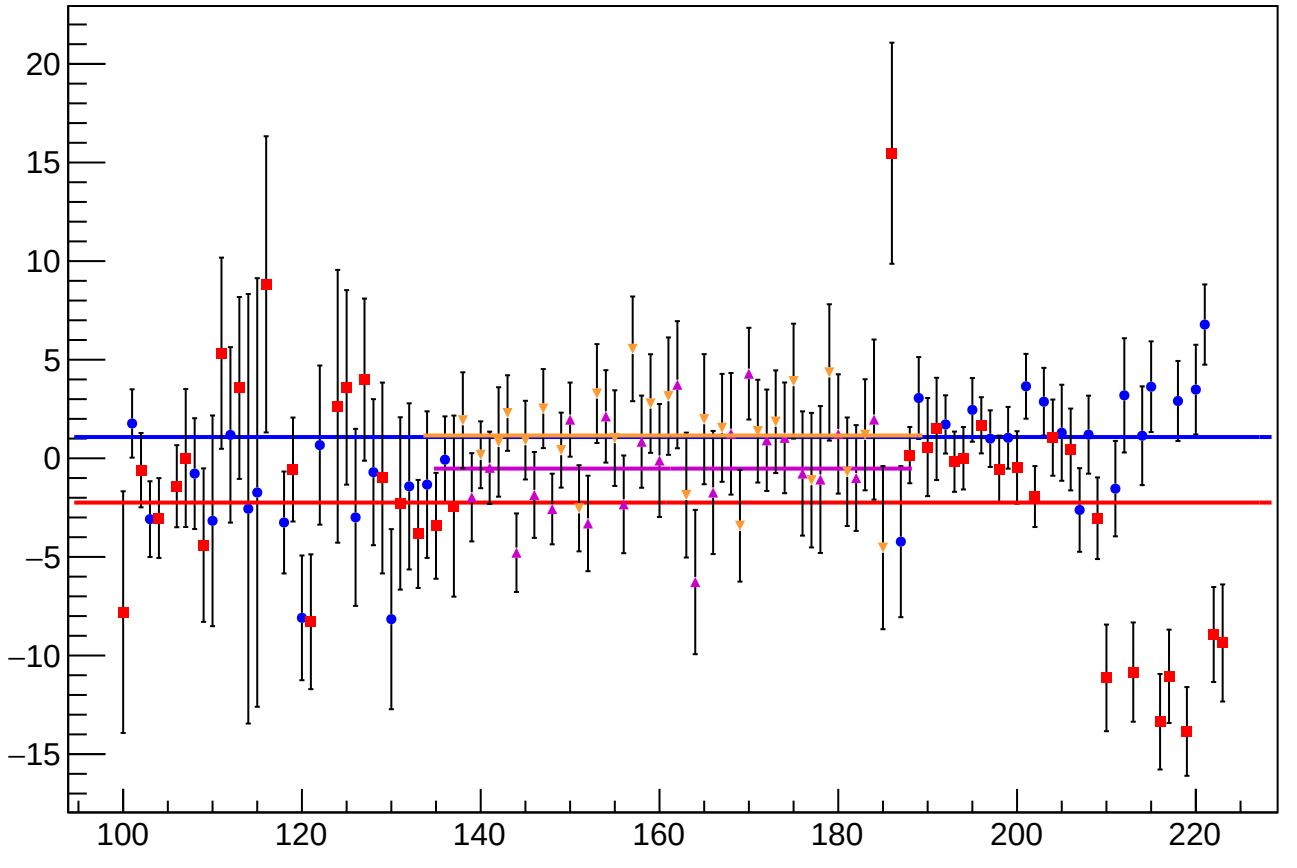
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10197.507+/-1.109 χ^2/NDF: 4215577.5/72

In: 10400.313+/-1.180 χ^2/NDF:2345022.1/56

Out: 10444.322+/-1.161 χ^2/NDF:2832370.1/63

All: 10422.667+/-0.828 χ^2/NDF: 5178098.7/1



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

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

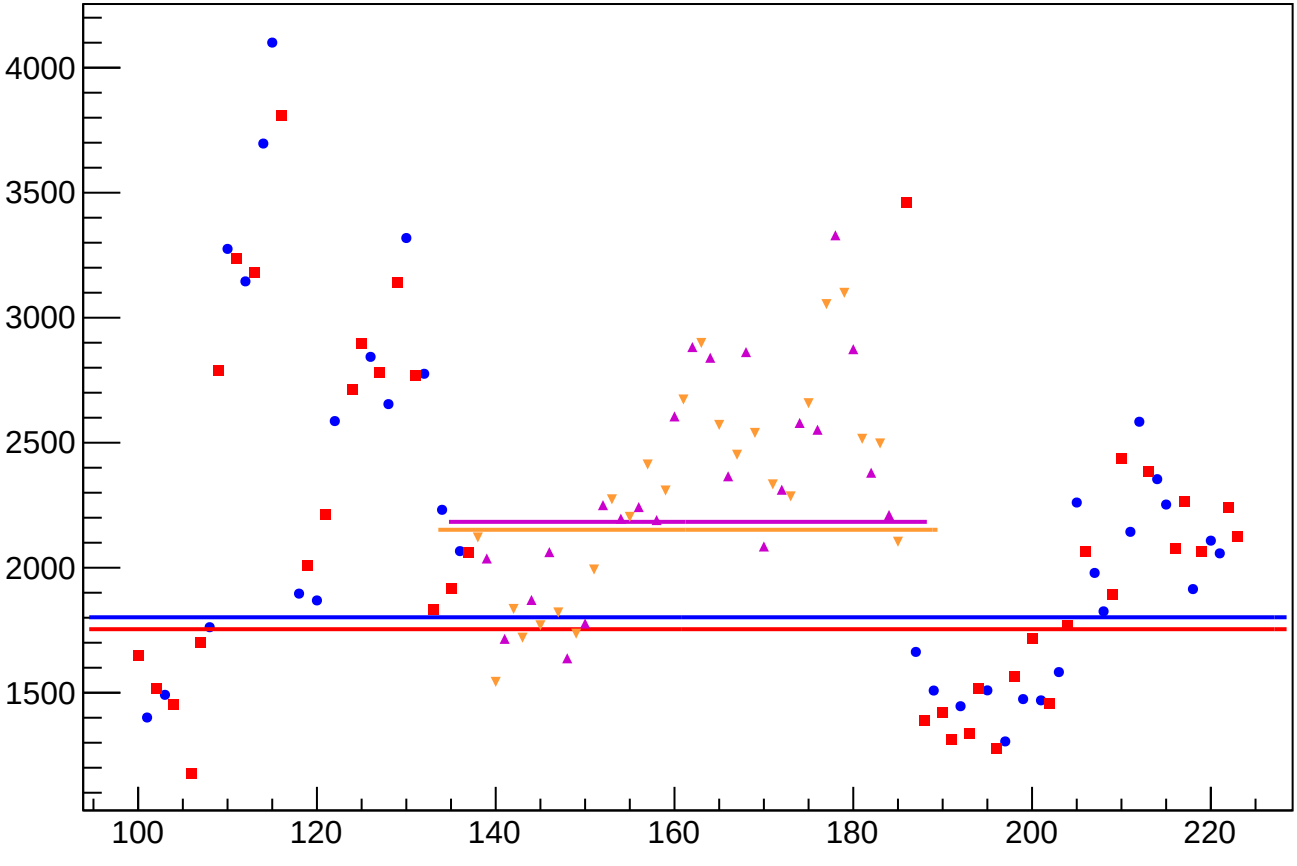
Right: -0.648+/-0.275 χ^2/NDF: 232.0/72

In: 0.490+/-0.315 χ^2/NDF:74.9/56

Out: -0.994+/-0.303 χ^2/NDF:195.0/63

All: -0.281+/-0.219 χ^2/NDF: 281.4/120

diff_bpm4aediffY_rms vs Slug, Sign Corrected



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

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

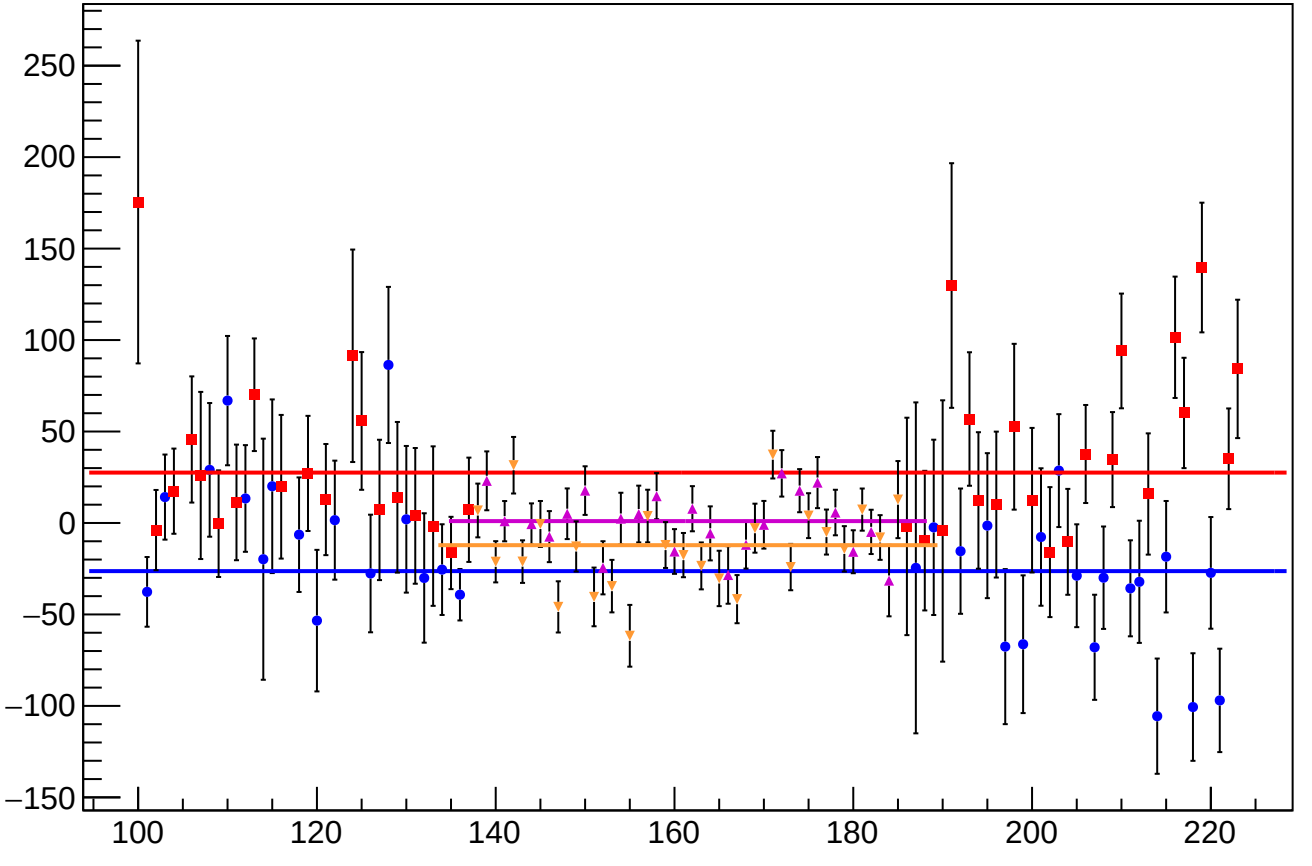
Right: 1777.022+/-0.194 χ^2/NDF: 5551066.9/72

In: 1942.191+/-0.223 χ^2/NDF:4349436.0/56

Out: 1900.238+/-0.214 χ^2/NDF:5179608.2/63

All: 1920.394+/-0.155 χ^2/NDF: 9547442.8/12

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



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

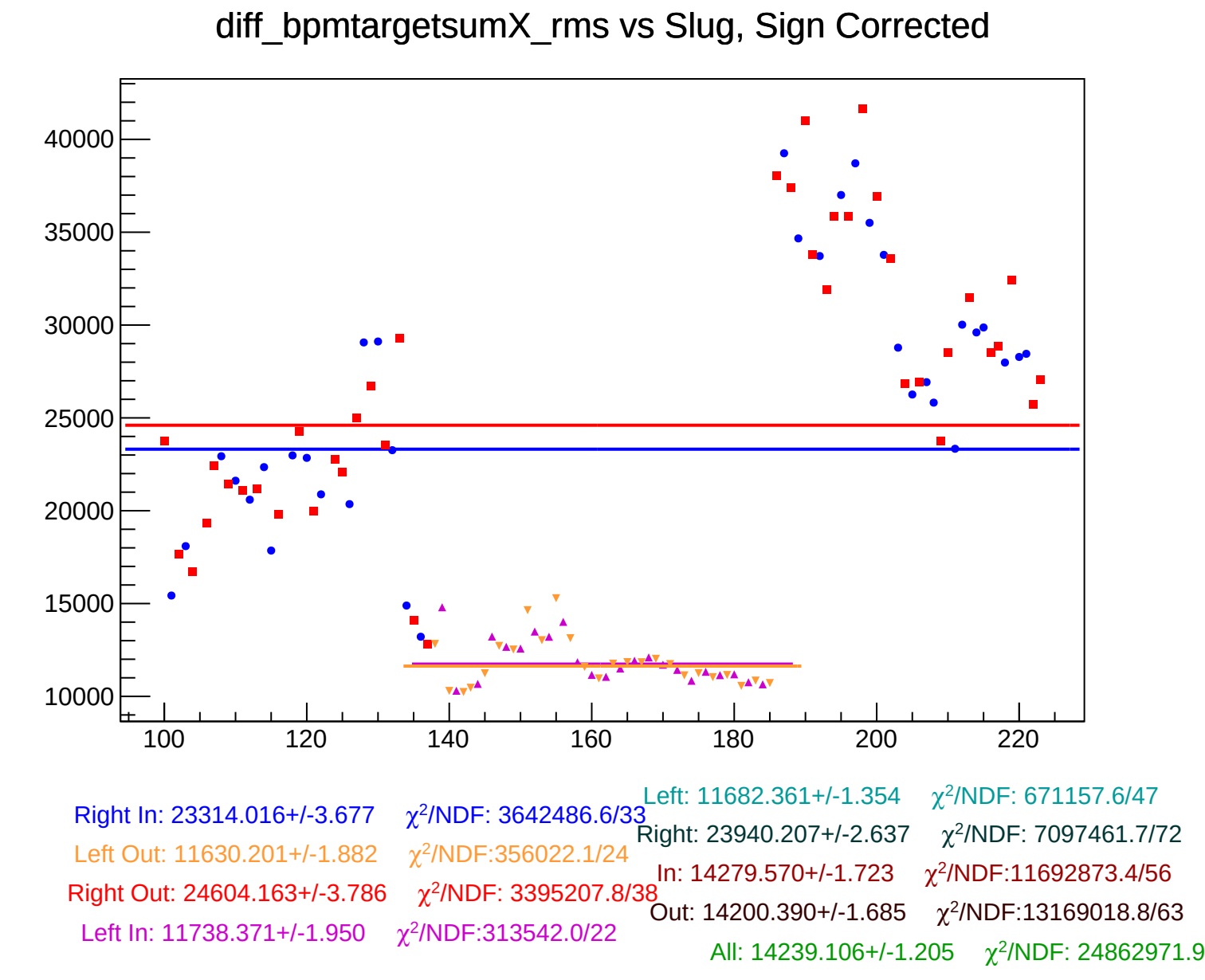
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

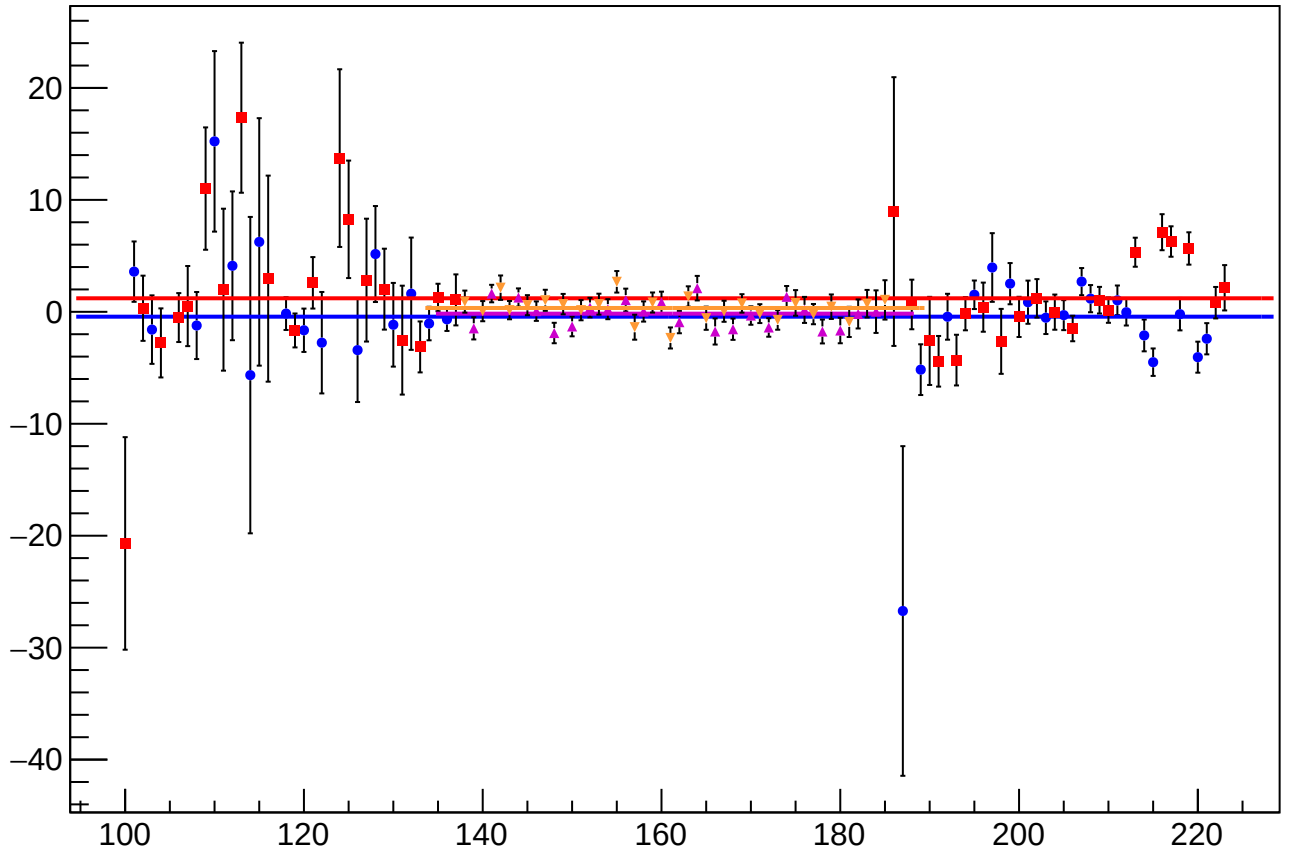
Right: -0.176+/-3.730 χ^2/NDF: 153.9/72

In: -4.979+/-2.436 χ^2/NDF:103.3/56

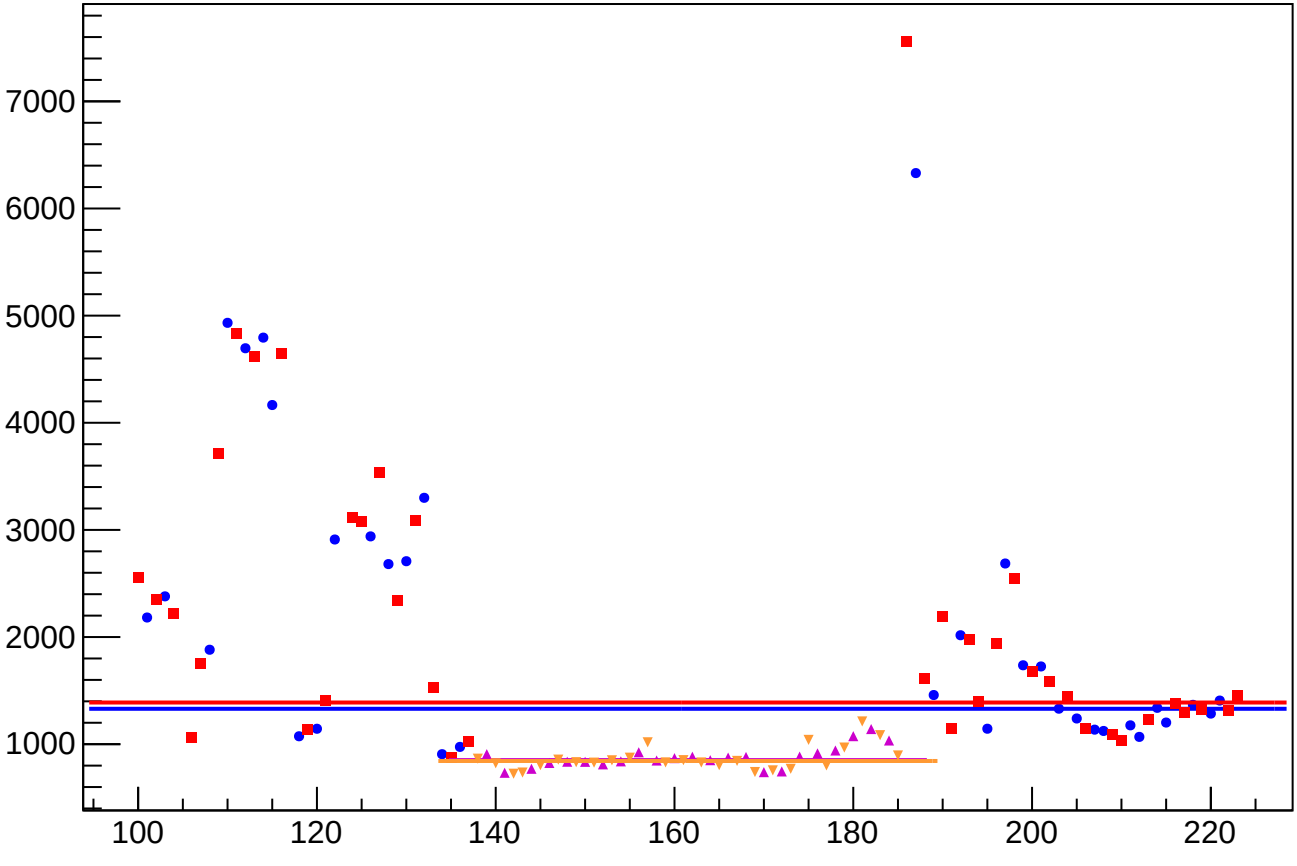
Out: -4.274+/-2.383 χ^2/NDF:155.5/63

All: -4.619+/-1.704 χ^2/NDF: 258.9/120


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
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
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 23940.207+/-2.637 χ²/NDF: 7097461.7/72
In: 14279.570+/-1.723 χ²/NDF:11692873.4/56
Out: 14200.390+/-1.685 χ²/NDF:13169018.8/63
All: 14239.106+/-1.205 χ²/NDF: 24862971.9


diff_bpmtargetdiffX_mean vs Slug, Sign Corrected
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
220
Right In: -0.434+/-0.304 χ²/NDF: 56.4/33
Left Out: 0.343+/-0.194 χ²/NDF:26.8/24
Right Out: 1.209+/-0.316 χ²/NDF: 100.9/38
Left In: -0.165+/-0.201 χ²/NDF:36.3/22
Left: 0.098+/-0.139 χ²/NDF: 66.4/47
Right: 0.355+/-0.219 χ²/NDF: 171.4/72
In: -0.247+/-0.168 χ²/NDF:93.3/56
Out: 0.579+/-0.165 χ²/NDF:133.2/63
All: 0.172+/-0.118 χ²/NDF: 238.8/120

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



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

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

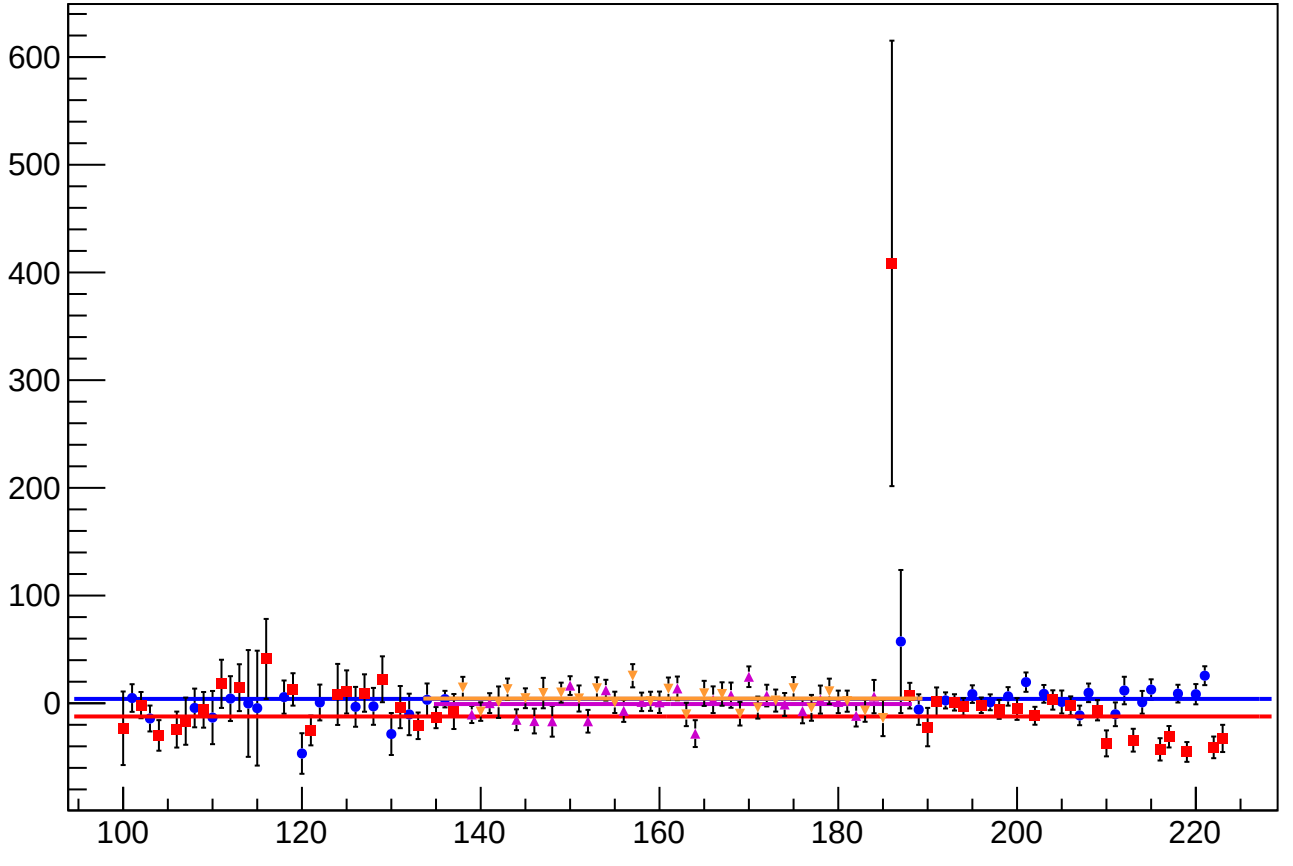
Right: 1358.473+/-0.155 χ^2/NDF: 10021263.4/72

In: 997.277+/-0.118 χ^2/NDF:8593481.0/56

Out: 992.208+/-0.117 χ^2/NDF:10066039.0/63

All: 994.707+/-0.083 χ^2/NDF: 18660448.4/12

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



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

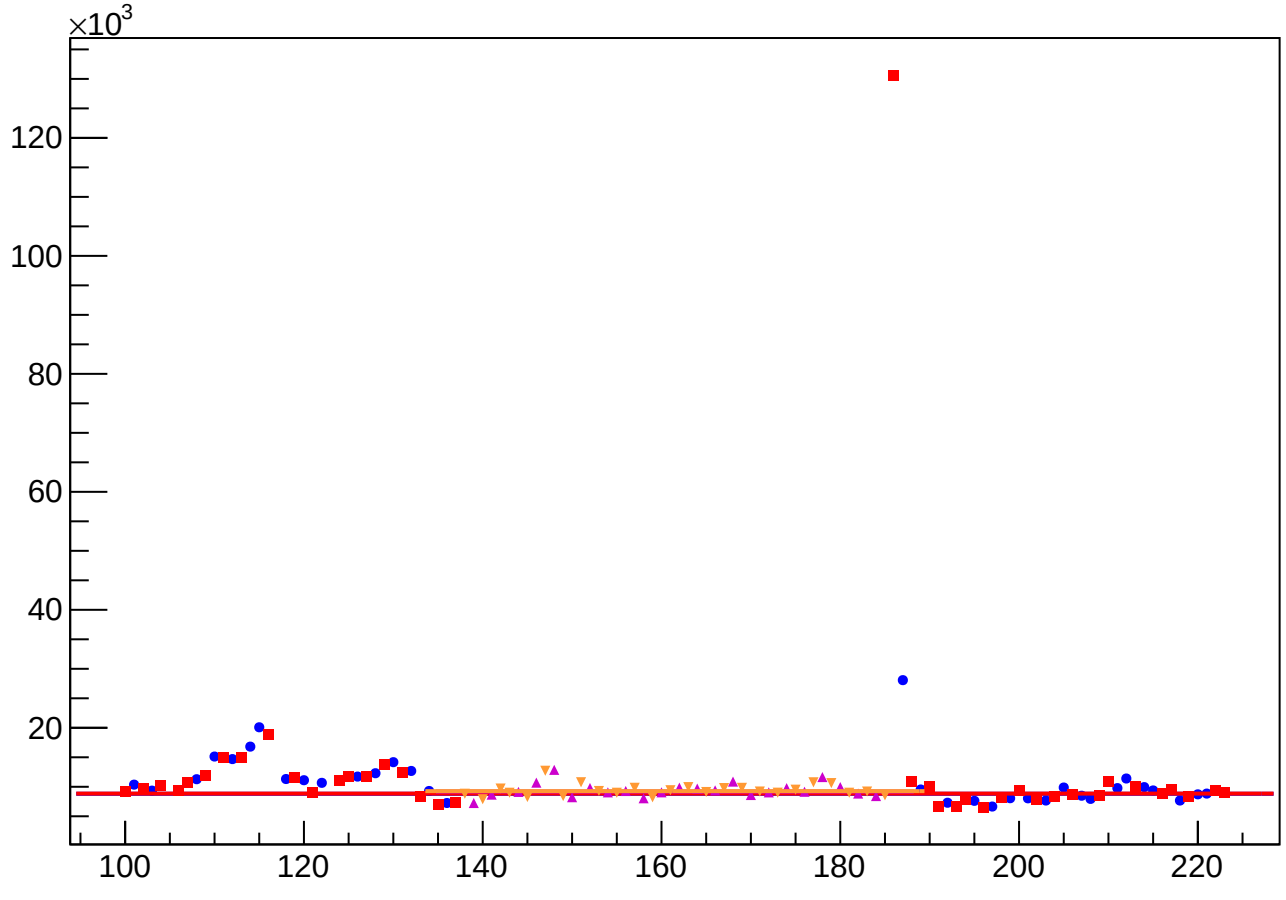
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -4.183+/-1.358 χ^2/NDF: 151.5/72

In: 1.933+/-1.441 χ^2/NDF:66.7/56

Out: -4.806+/-1.420 χ^2/NDF:136.0/63

All: -1.486+/-1.012 χ^2/NDF: 213.8/120



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

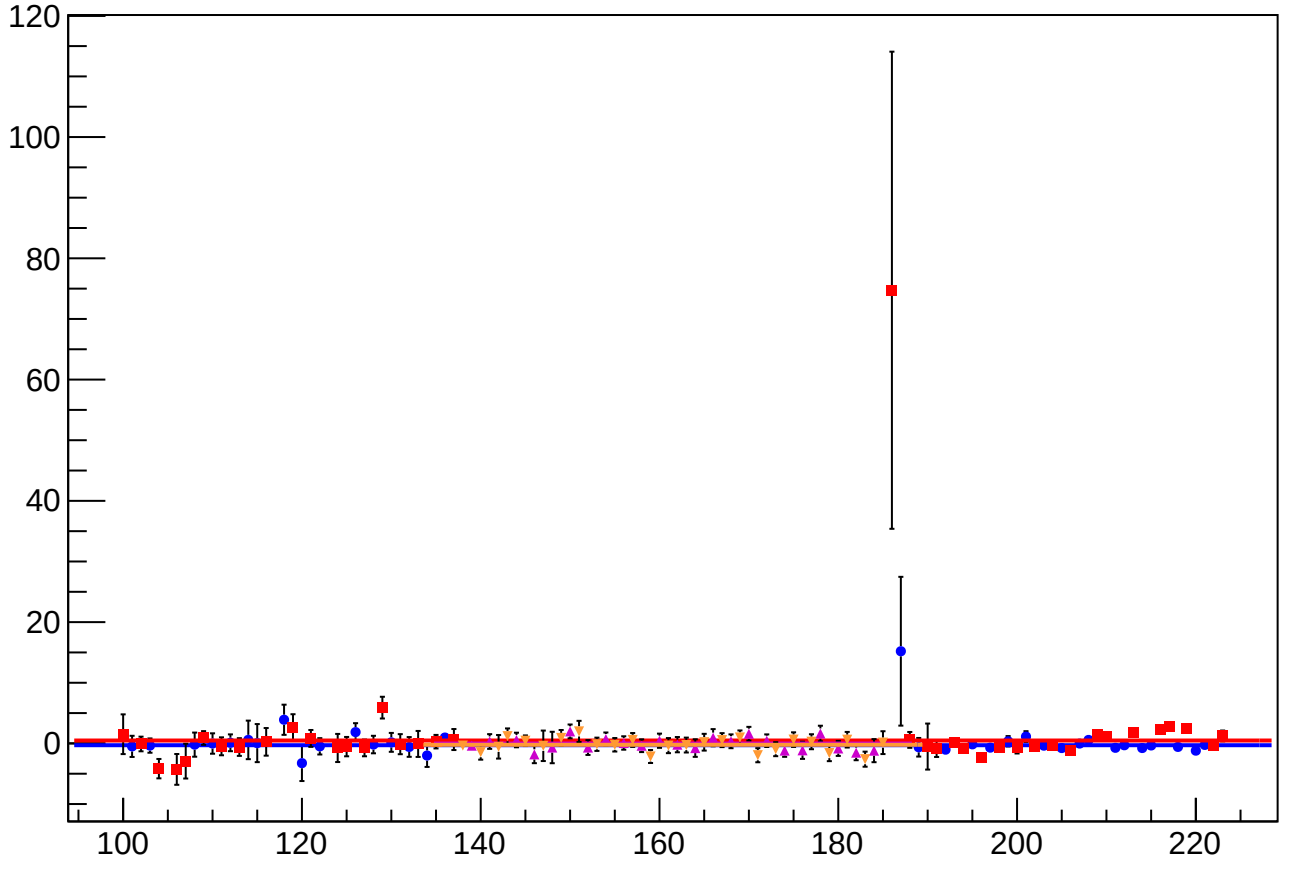
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 8827.482+/-0.960 χ^2/NDF: 4217510.6/72

In: 8981.719+/-1.019 χ^2/NDF:2358407.1/56

Out: 9031.588+/-1.004 χ^2/NDF:2818951.1/63

All: 9007.020+/-0.715 χ^2/NDF: 5178572.8/12



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

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

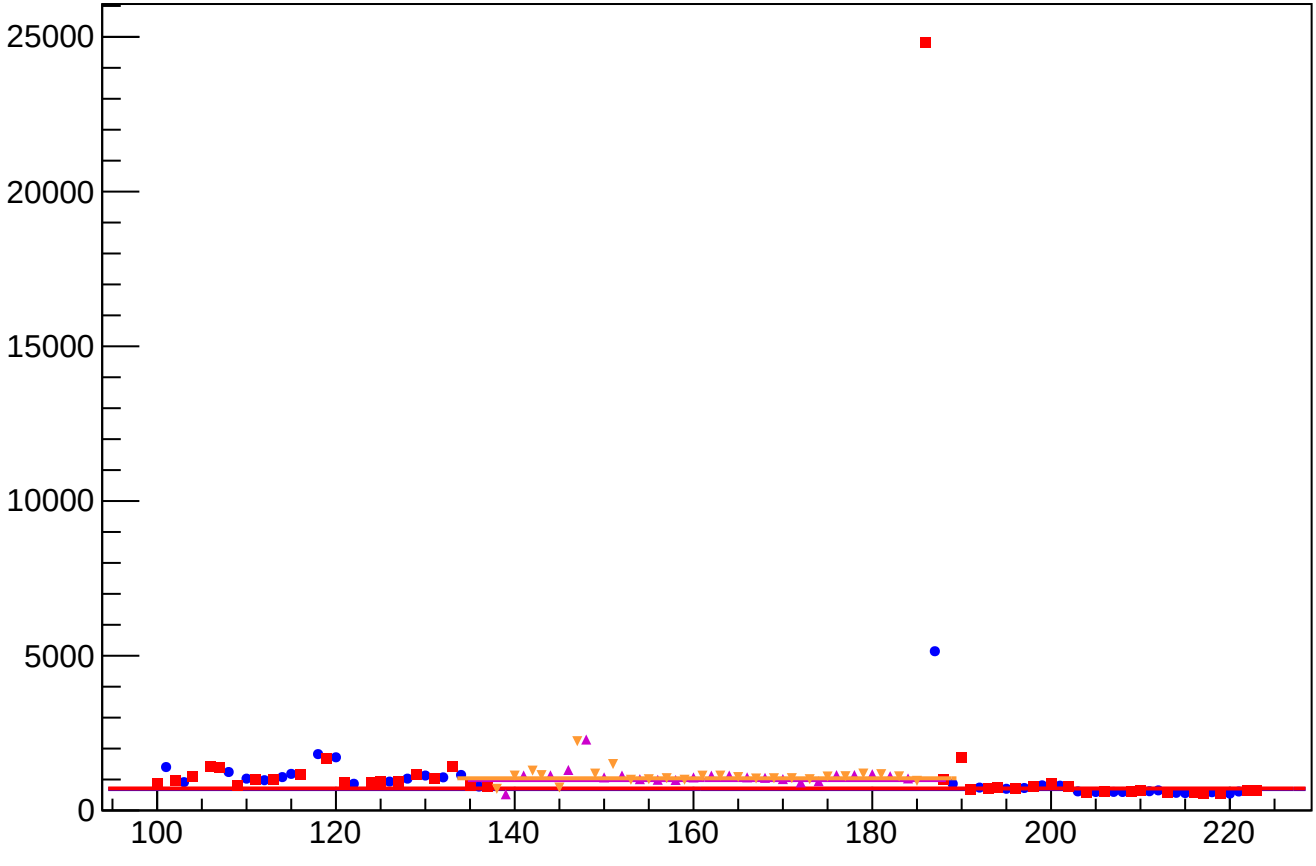
Right: 0.080+/-0.110 χ^2/NDF: 138.6/72

In: -0.220+/-0.129 χ^2/NDF:37.8/56

Out: 0.269+/-0.132 χ^2/NDF:129.3/63

All: 0.020+/-0.092 χ^2/NDF: 174.1/120

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



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

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 700.521+/-0.078 χ^2/NDF: 6430207.4/72

In: 776.052+/-0.091 χ^2/NDF:7309674.8/56

Out: 806.790+/-0.093 χ^2/NDF:7344637.8/63

All: 791.128+/-0.065 χ^2/NDF: 14709757.5/12

yield_cav4bX_mean vs Slug, Sign Corrected

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: 7741970862965 11.1/38

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

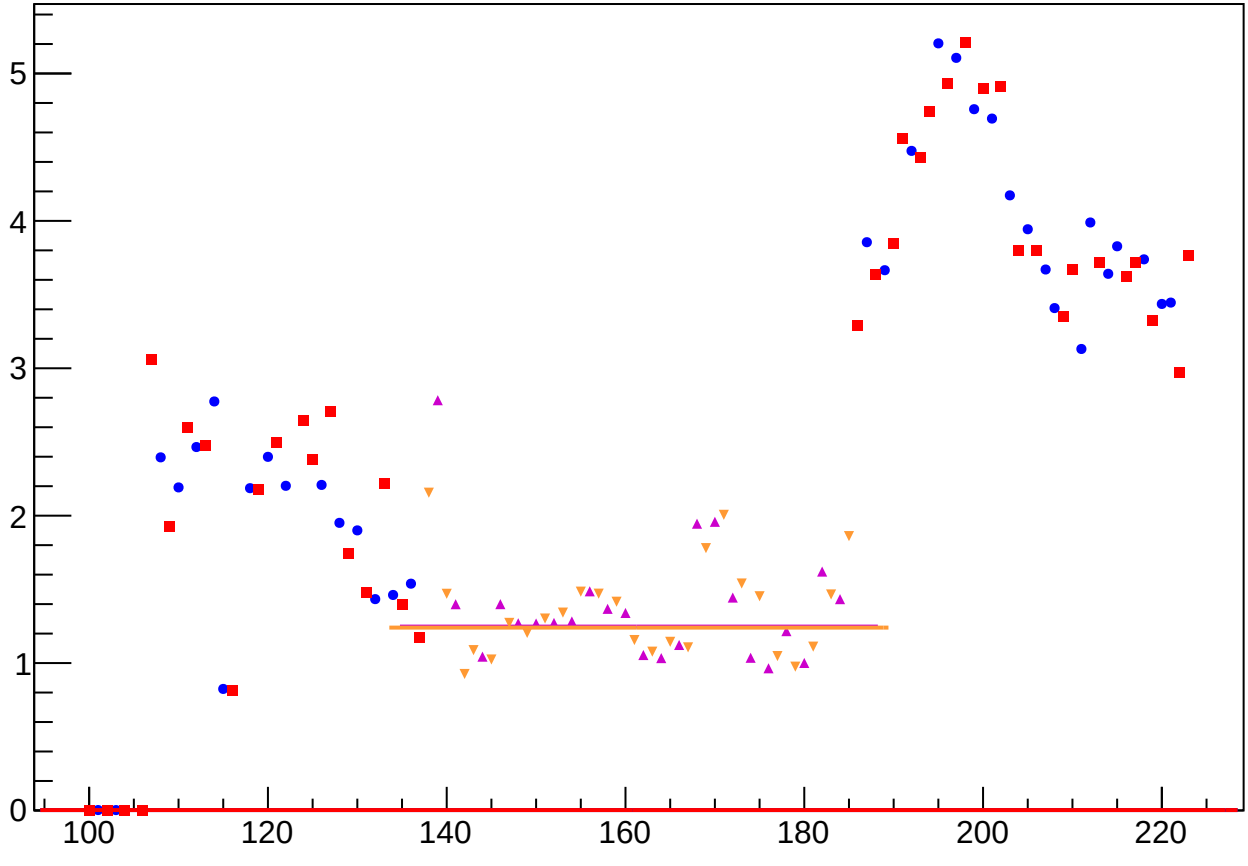
Right: 131.817+/-0.000 χ^2/NDF: 793055832162502

In: 139.327+/-0.000 χ^2/NDF:328680418285.6/56

Out: 125.384+/-0.000 χ^2/NDF:774427773258260.

All: 131.810+/-0.000 χ^2/NDF: 79353824192

yield_cav4bX_rms vs Slug, Sign Corrected



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

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

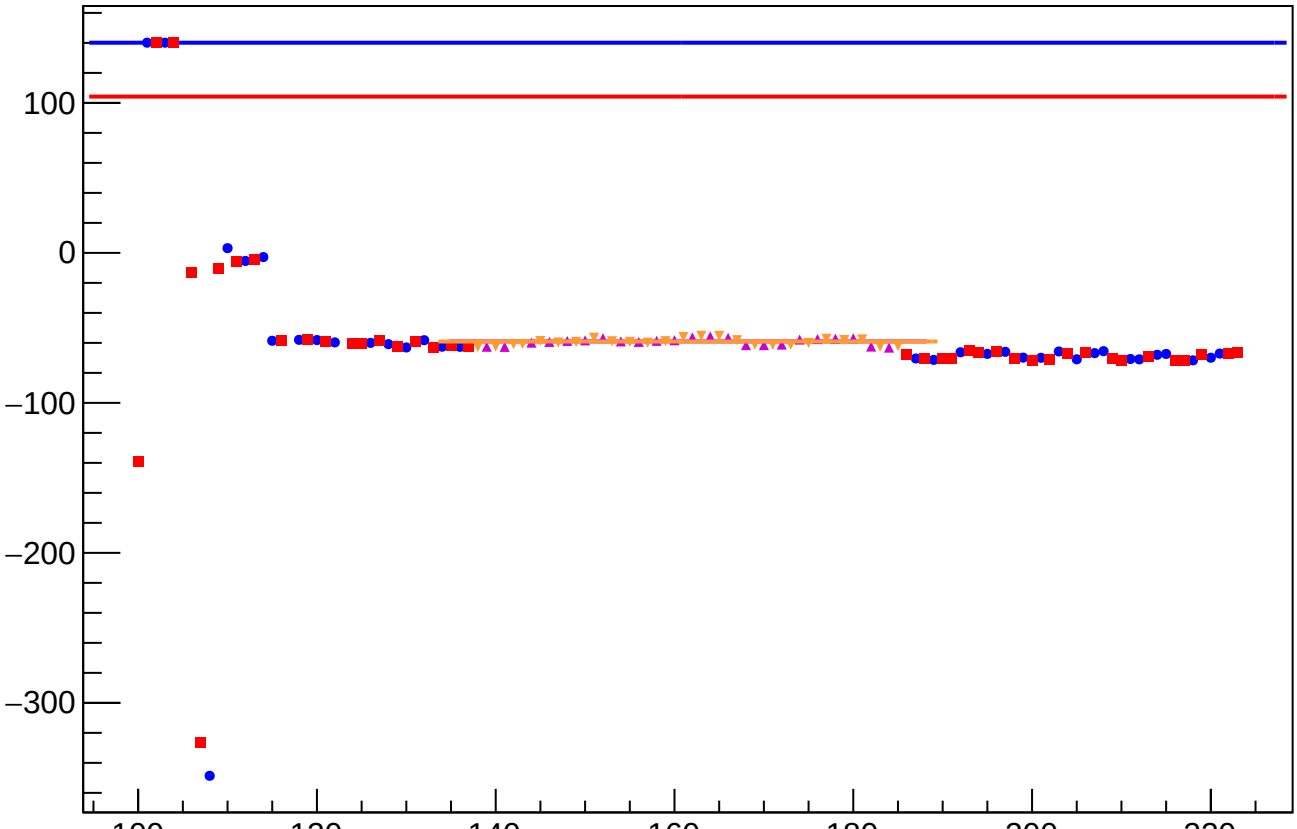
Right: 0.003+/-0.000 χ^2/NDF: 77878941.7/72

In: 0.003+/-0.000 χ^2/NDF:68055515.4/56

Out: 0.003+/-0.000 χ^2/NDF:70887563.2/63

All: 0.003+/-0.000 χ^2/NDF: 138943365.8/120

yield_cav4bY_mean vs Slug, Sign Corrected



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

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

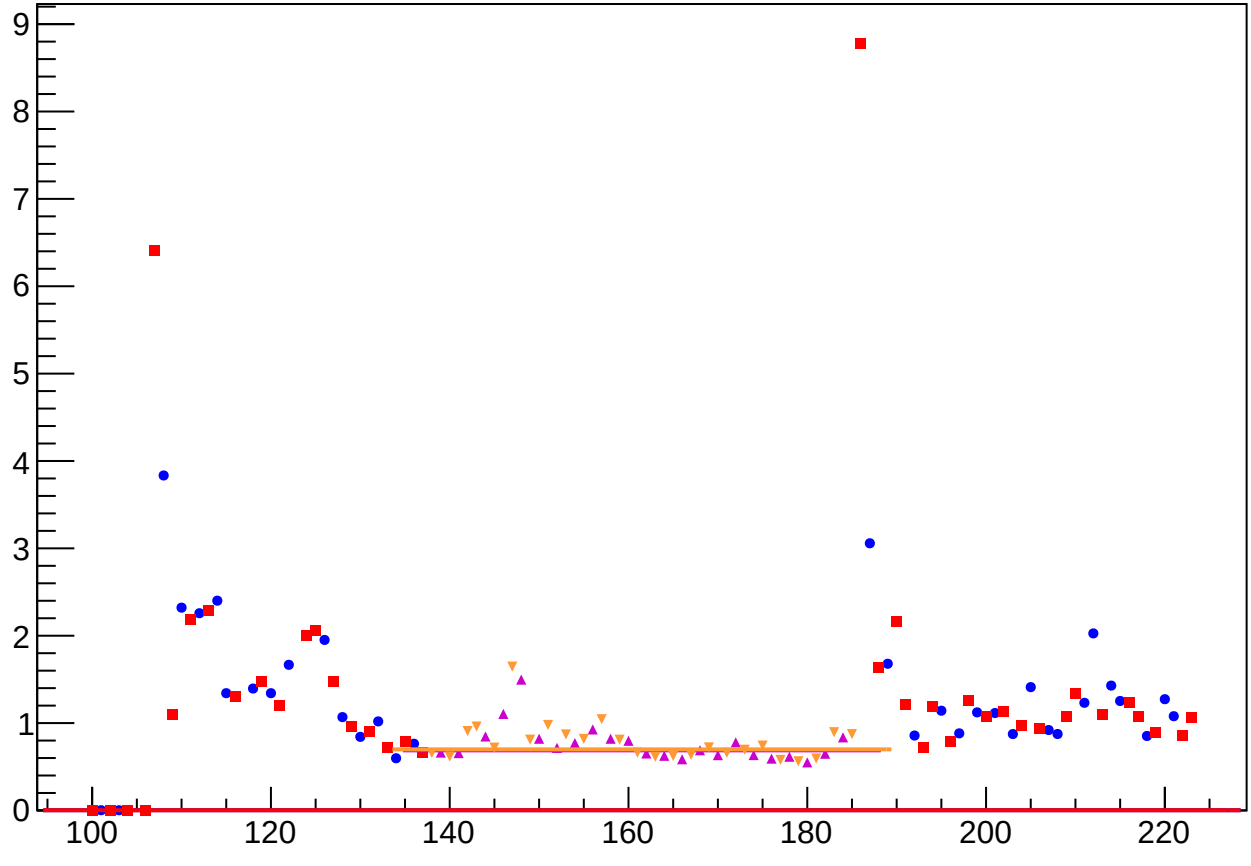
Right: 120.820+/-0.000 χ^2/NDF: 13816998051528

In: 140.095+/-0.000 χ^2/NDF:1914972974255.1/5

Out: 104.188+/-0.000 χ^2/NDF:125863289814255

All: 120.790+/-0.000 χ^2/NDF: 1383797736

yield_cav4bY_rms vs Slug, Sign Corrected



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

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

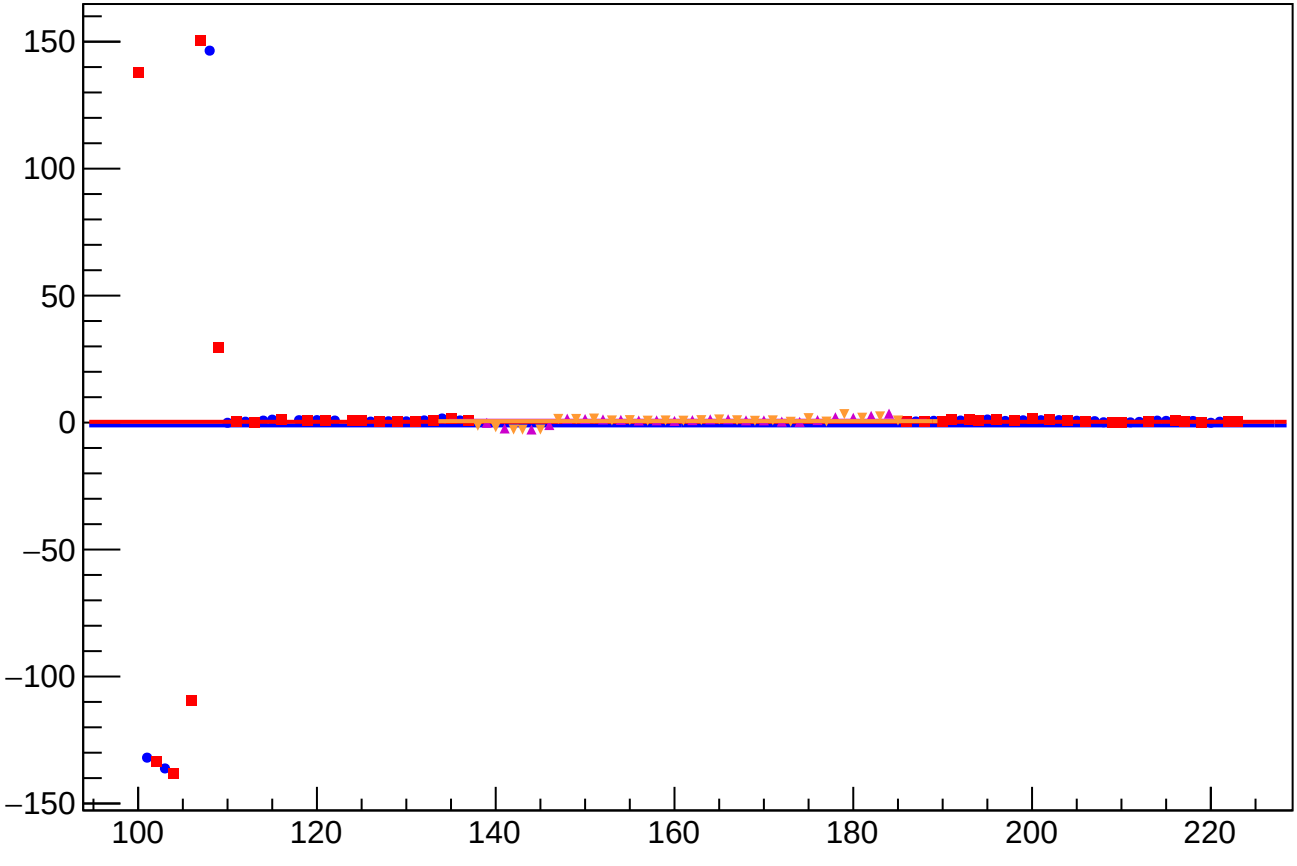
Right: 0.003+/-0.000 χ^2/NDF: 71627183.8/72

In: 0.003+/-0.000 χ^2/NDF:66149551.2/56

Out: 0.003+/-0.000 χ^2/NDF:69831665.5/63

All: 0.003+/-0.000 χ^2/NDF: 135981677.3/120

yield_cav4cX_mean vs Slug, Sign Corrected



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

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

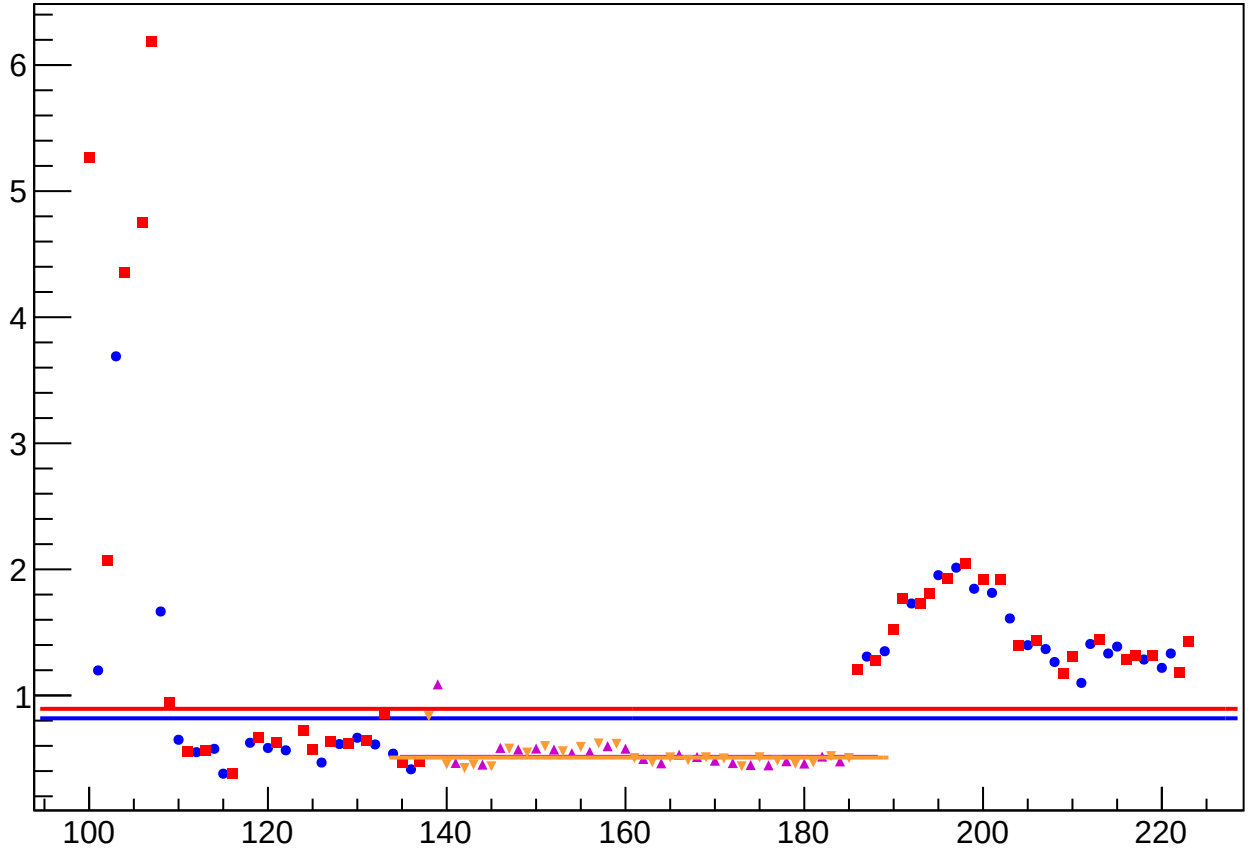
Right: -0.444+/-0.000 χ^2/NDF: 13549668258.8/72

In: 0.194+/-0.000 χ^2/NDF:10075385266.6/56

Out: 0.508+/-0.000 χ^2/NDF:3768594547.3/63

All: 0.353+/-0.000 χ^2/NDF: 13847930861.8/1

yield_cav4cX_rms vs Slug, Sign Corrected



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

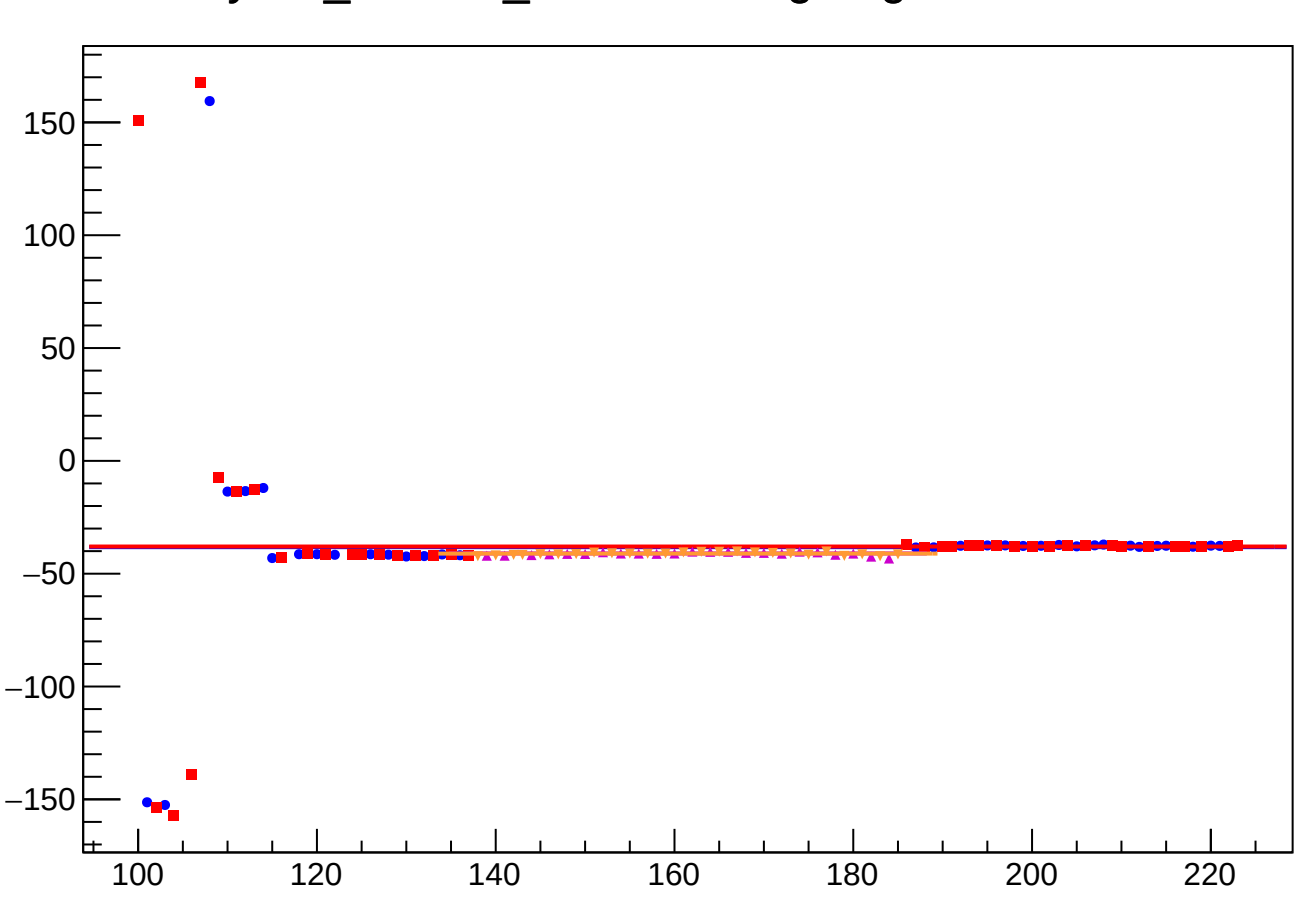
Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

Right: 0.854+/-0.000 χ^2/NDF: 19229889.1/72

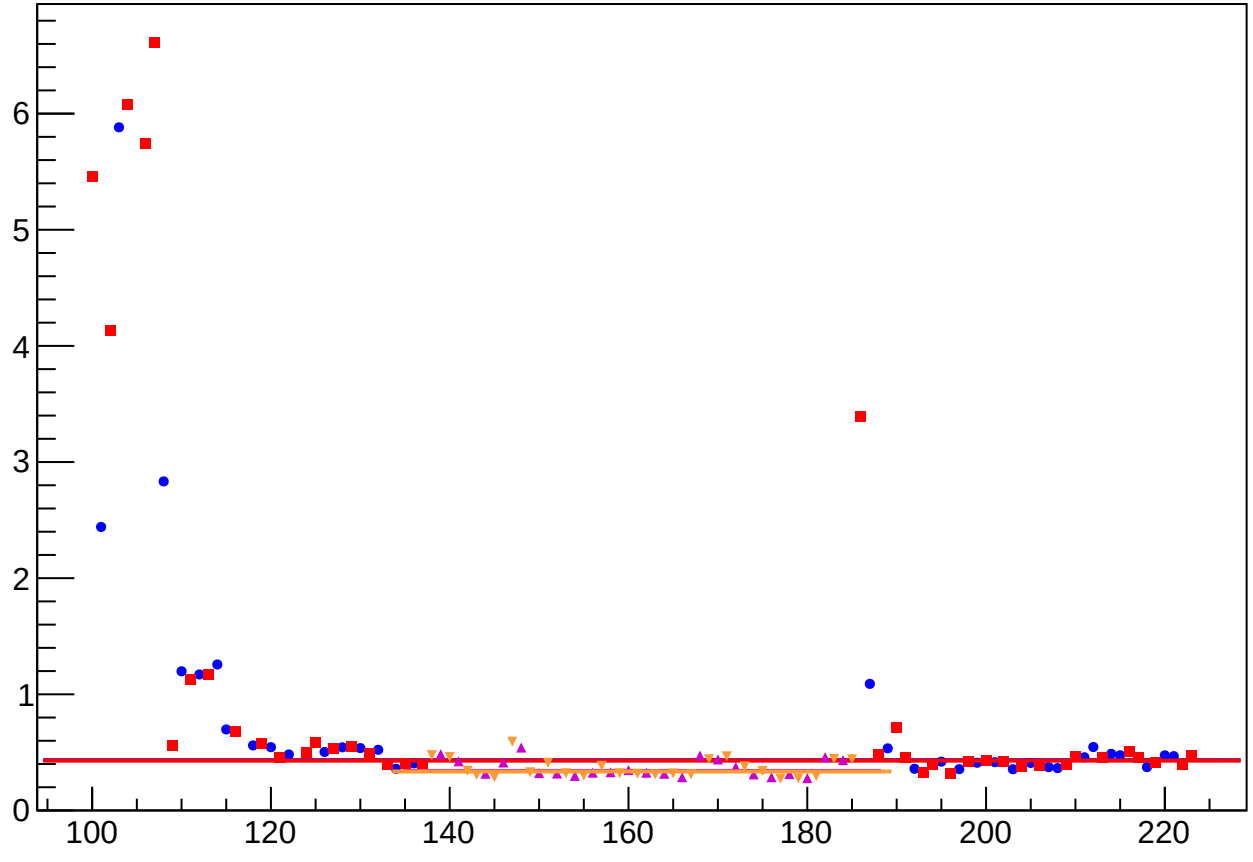
In: 0.602+/-0.000 χ^2/NDF:13308875.4/56

Out: 0.604+/-0.000 χ^2/NDF:14754648.0/63

All: 0.603+/-0.000 χ^2/NDF: 28063944.0/120


yield_cav4cY_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -38.241+/-0.000 χ²/NDF: 3626765476.5/33
Left Out: -41.092+/-0.000 χ²/NDF:60251030.2/24
Right Out: -37.957+/-0.000 χ²/NDF: 2515243170.0/38
Left In: -41.029+/-0.000 χ²/NDF:51382147.2/22
Left: -41.062+/-0.000 χ²/NDF: 111932061.5/47
Right: -38.097+/-0.000 χ²/NDF: 6146034121.7/72
In: -39.902+/-0.000 χ²/NDF:4134137628.4/56
Out: -39.861+/-0.000 χ²/NDF:3183218871.9/63
All: -39.881+/-0.000 χ²/NDF: 7317570198.8/

yield_cav4cY_rms vs Slug, Sign Corrected



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

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

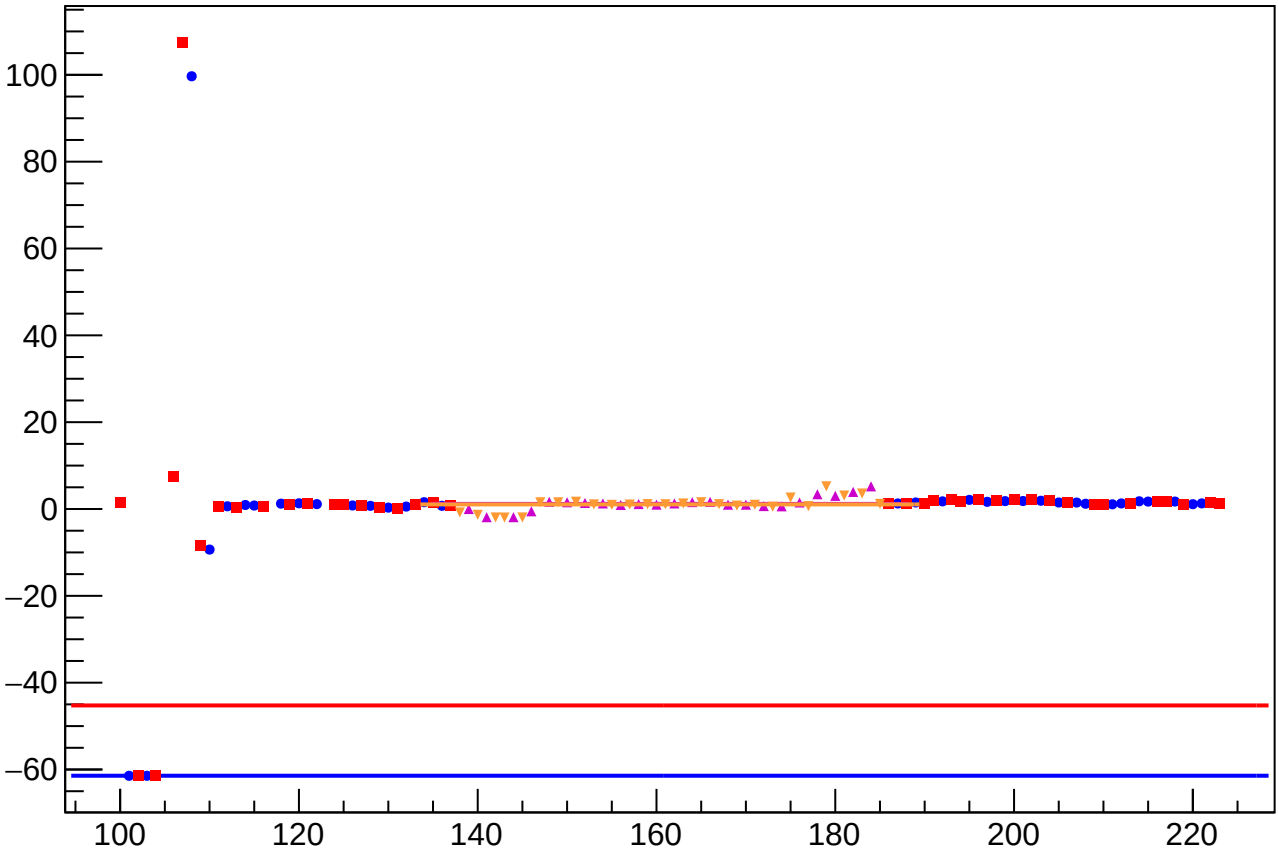
Right: 0.431+/-0.000 χ^2/NDF: 8691324.9/72

In: 0.378+/-0.000 χ^2/NDF:5991200.7/56

Out: 0.373+/-0.000 χ^2/NDF:7101504.2/63

All: 0.375+/-0.000 χ^2/NDF: 13099267.7/120

yield_cav4dX_mean vs Slug, Sign Corrected



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

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

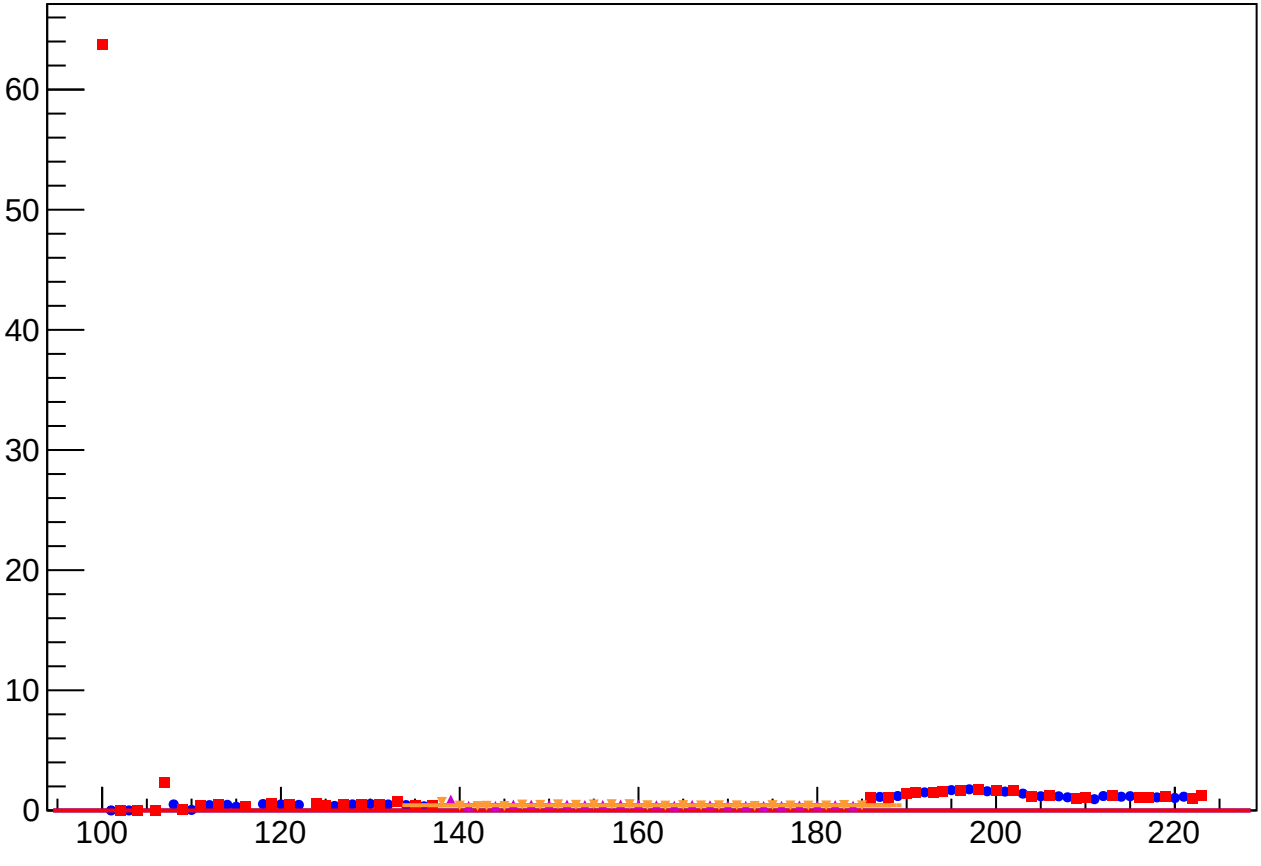
Right: -52.748+/-0.000 χ^2/NDF: 409178205201383

In: -61.421+/-0.000 χ^2/NDF:613956734501.3/56

Out: -45.235+/-0.000 χ^2/NDF:358072650786026.4

All: -52.737+/-0.000 χ^2/NDF: 409647599006

yield_cav4dX_rms vs Slug, Sign Corrected



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

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

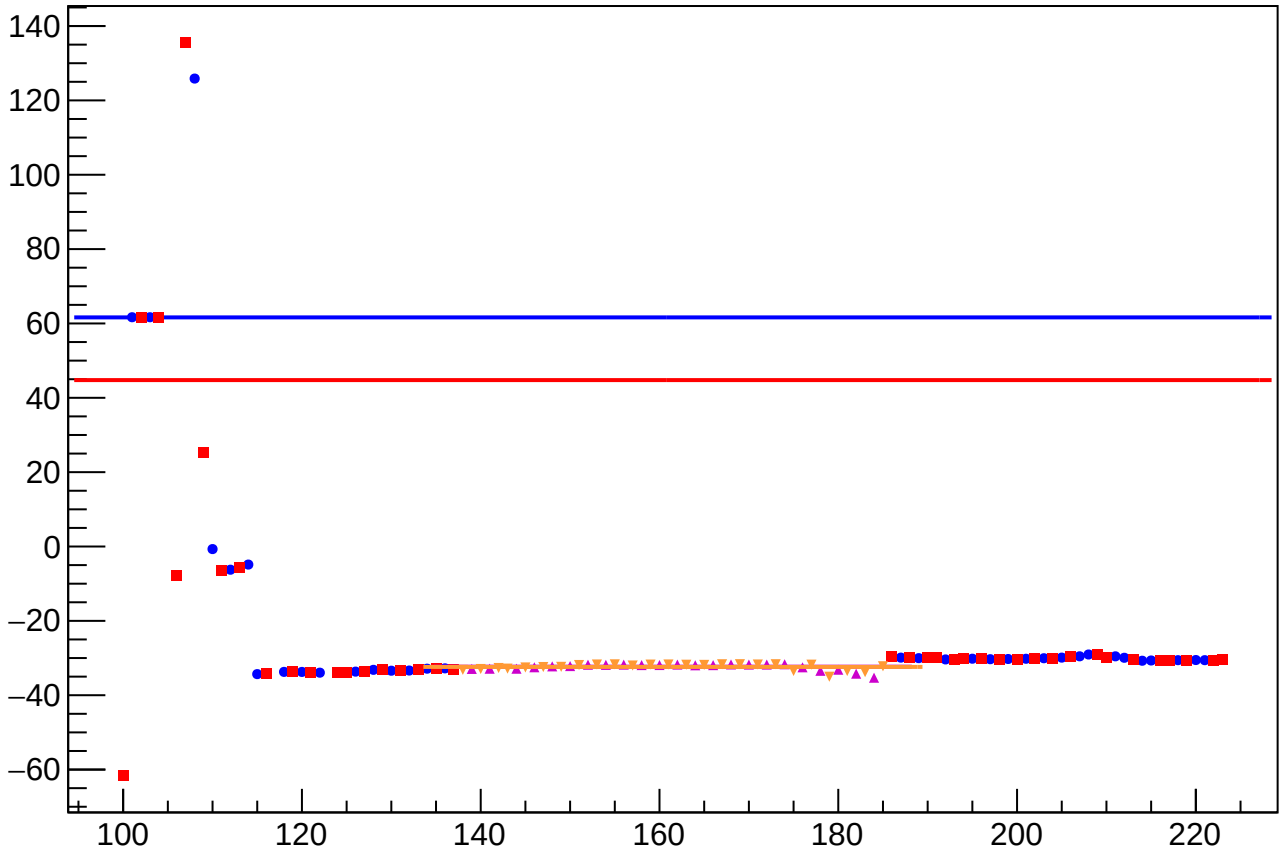
Right: 0.001+/-0.000 χ^2/NDF: 77099167.9/72

In: 0.002+/-0.000 χ^2/NDF:68012345.8/56

Out: 0.002+/-0.000 χ^2/NDF:70987701.5/63

All: 0.002+/-0.000 χ^2/NDF: 139000108.0/120

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.631+/-0.000 χ^2/NDF: 1333978411223.2/33

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.763+/-0.000 χ^2/NDF: 366728625333698.8/38

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

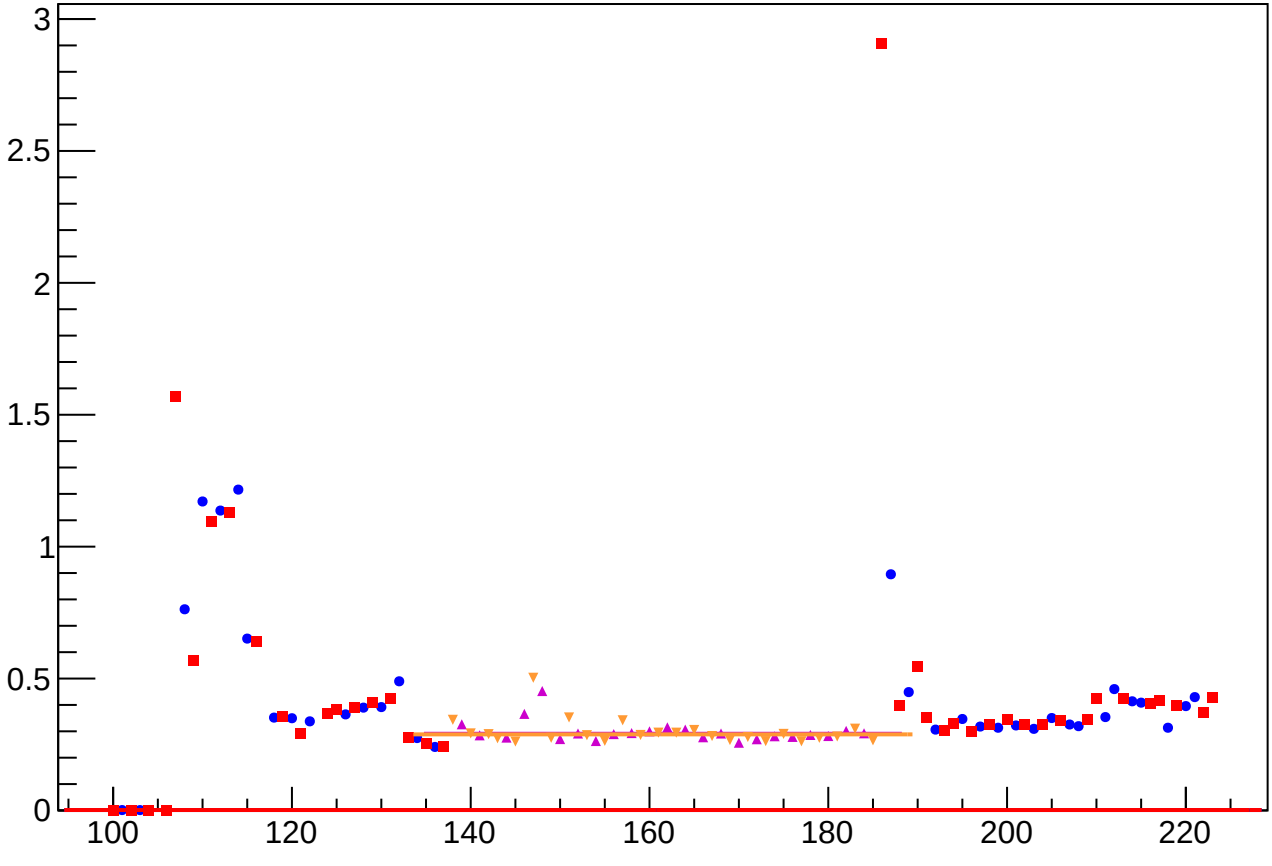
Right: 52.662+/-0.000 χ^2/NDF: 419127837418879.

In: 61.573+/-0.000 χ^2/NDF:3156649181278.1/56

Out: 44.719+/-0.000 χ^2/NDF:368046465915982.7

All: 52.612+/-0.000 χ^2/NDF: 422206486035

yield_cav4dY_rms vs Slug, Sign Corrected



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

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

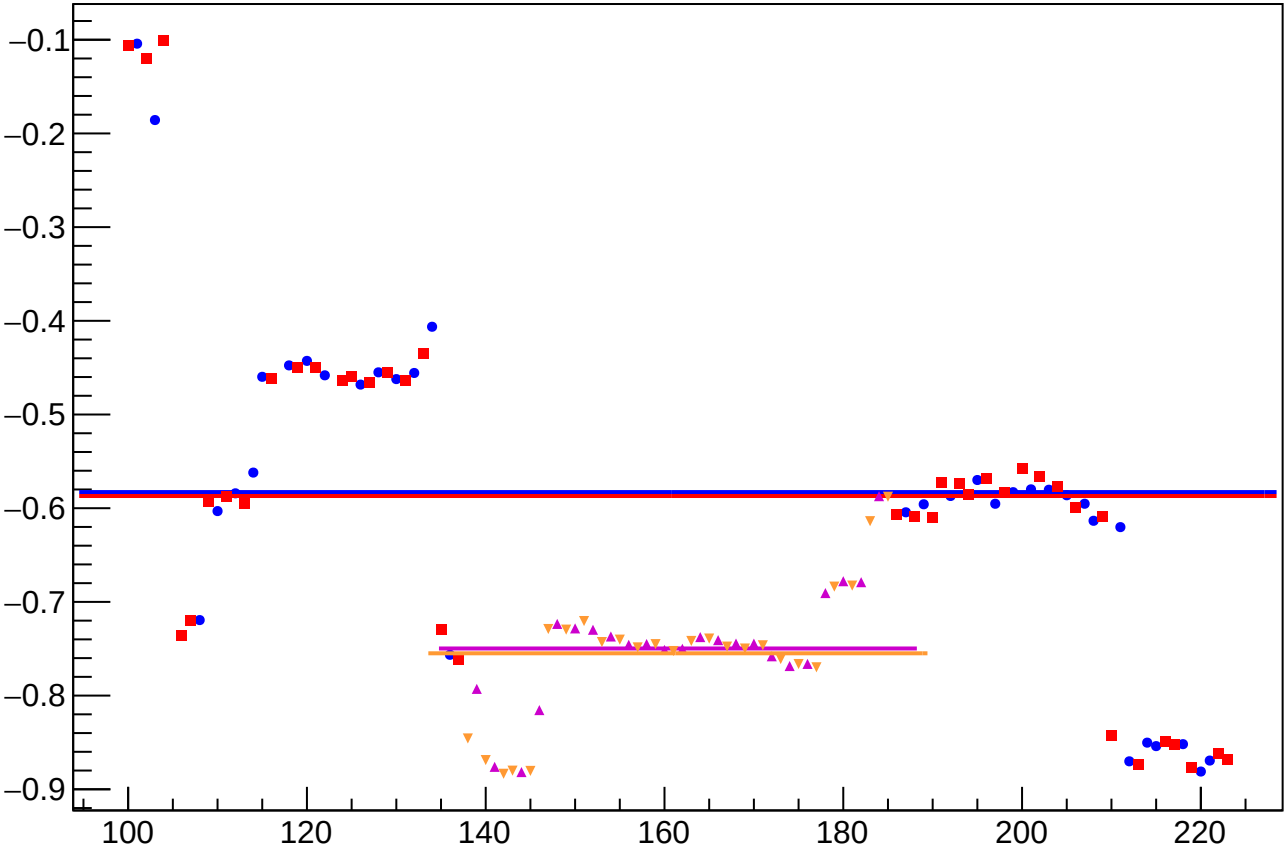
Right: 0.002+/-0.000 χ^2/NDF: 79149981.9/72

In: 0.002+/-0.000 χ^2/NDF:74014154.1/56

Out: 0.002+/-0.000 χ^2/NDF:76952992.0/63

All: 0.002+/-0.000 χ^2/NDF: 150967156.2/120

yield_bpm4aX_mean vs Slug, Sign Corrected



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

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

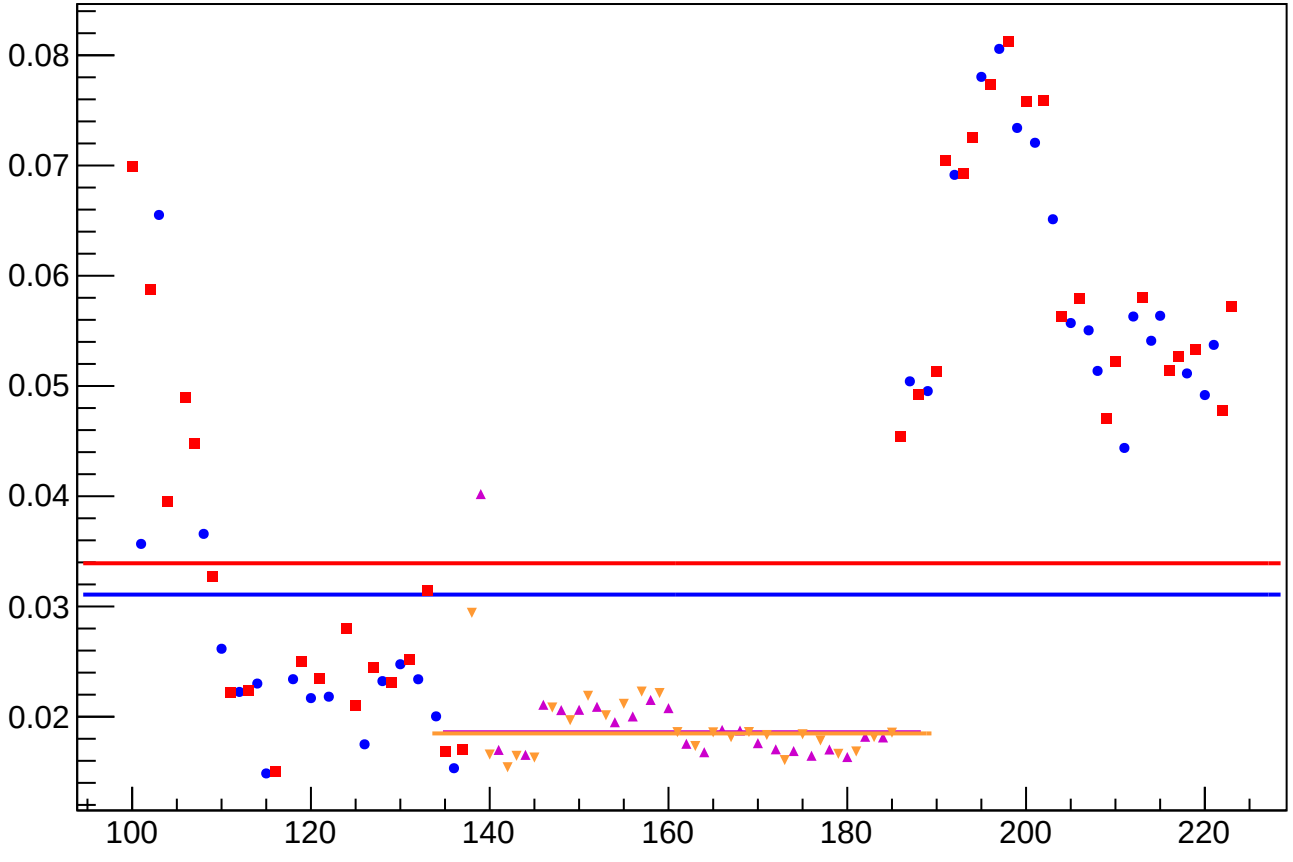
Right: -0.585+/-0.000 χ^2/NDF: 866679305.3/72

In: -0.704+/-0.000 χ^2/NDF:939998904.5/56

Out: -0.714+/-0.000 χ^2/NDF:914247887.7/63

All: -0.709+/-0.000 χ^2/NDF: 1857464608.4/1

yield_bpm4aX_rms vs Slug, Sign Corrected



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

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

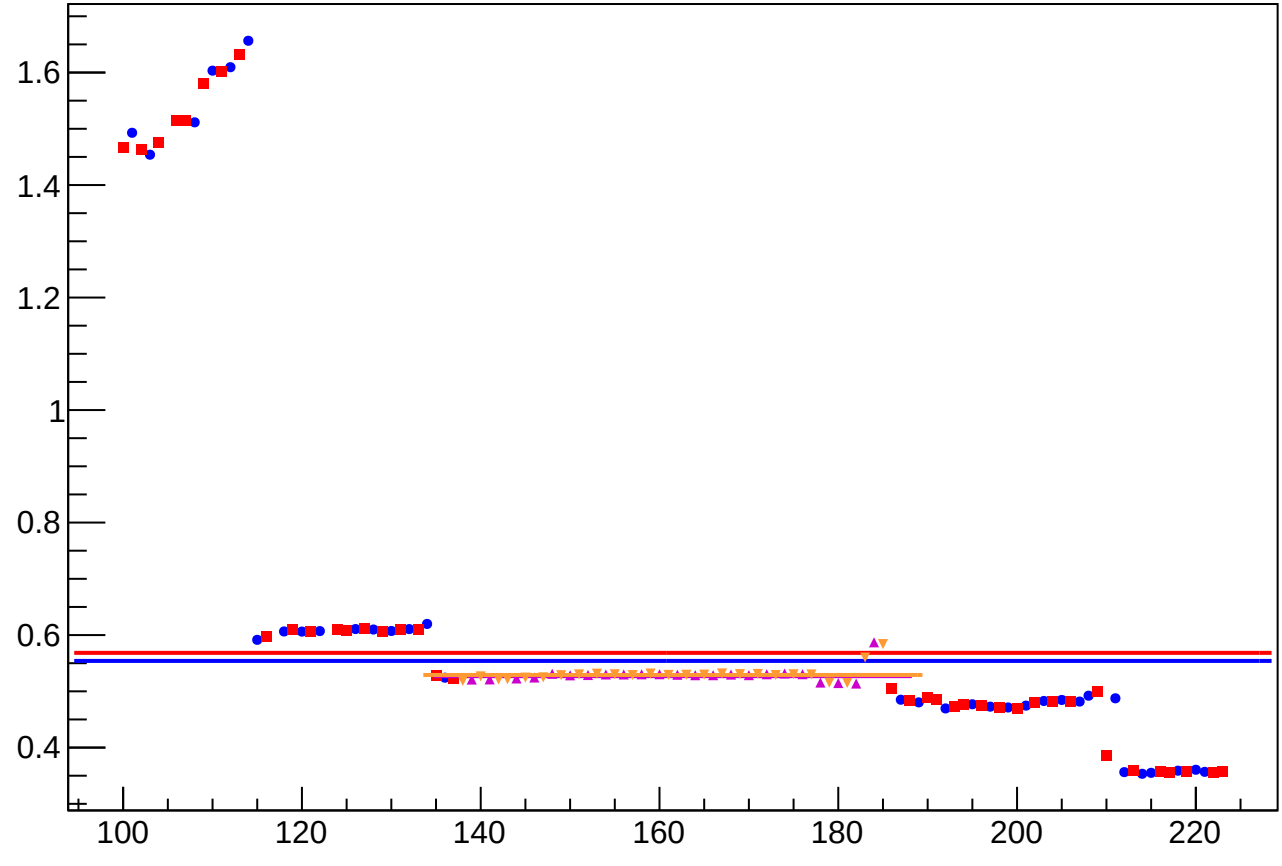
Right: 0.032+/-0.000 χ^2/NDF: 18895989.4/72

In: 0.022+/-0.000 χ^2/NDF:14124221.5/56

Out: 0.022+/-0.000 χ^2/NDF:14748224.7/63

All: 0.022+/-0.000 χ^2/NDF: 28874589.0/120

yield_bpm4aY_mean vs Slug, Sign Corrected



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

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

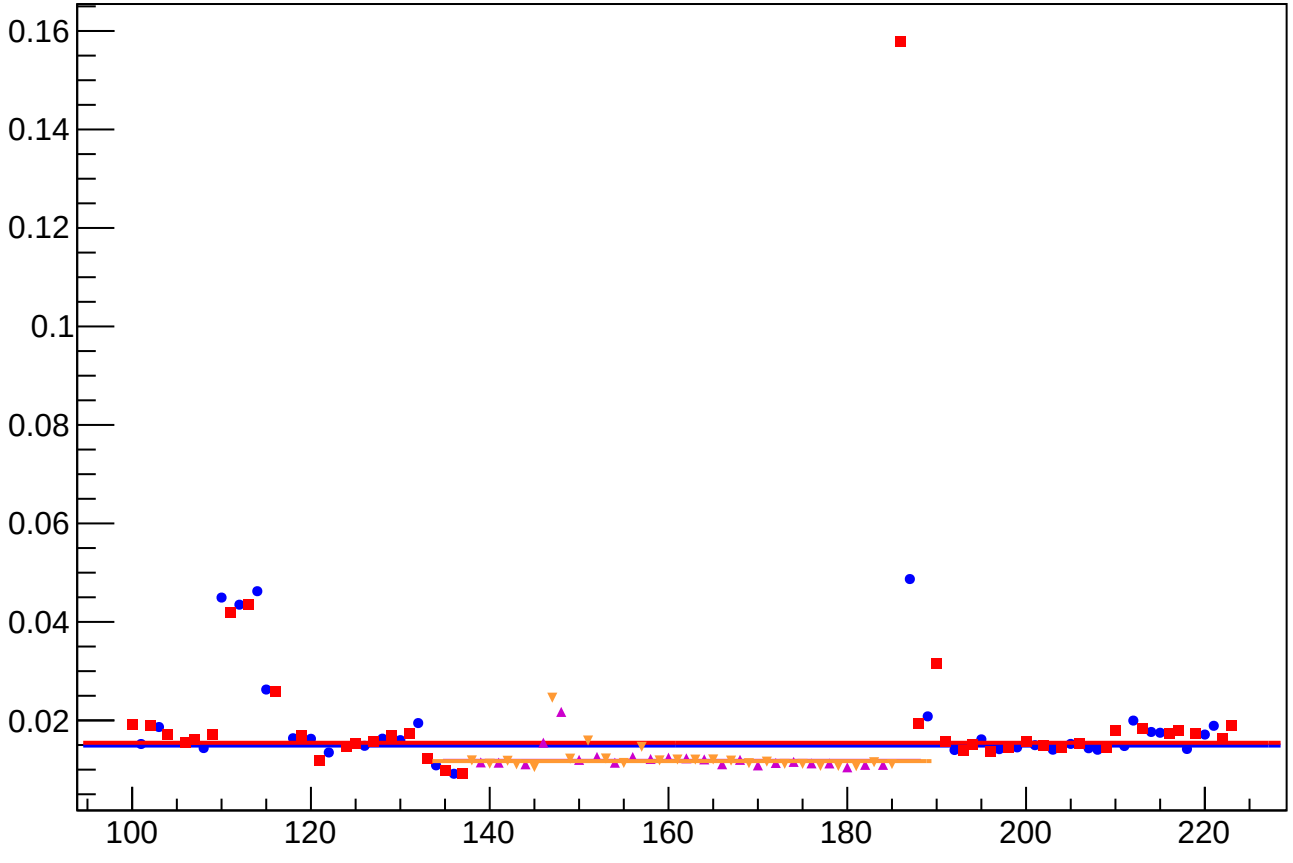
Right: 0.561+/-0.000 χ^2/NDF: 14097400413.1/72

In: 0.538+/-0.000 χ^2/NDF:6580445984.5/56

Out: 0.544+/-0.000 χ^2/NDF:7656666423.7/63

All: 0.541+/-0.000 χ^2/NDF: 14241296045.4/1

yield_bpm4aY_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

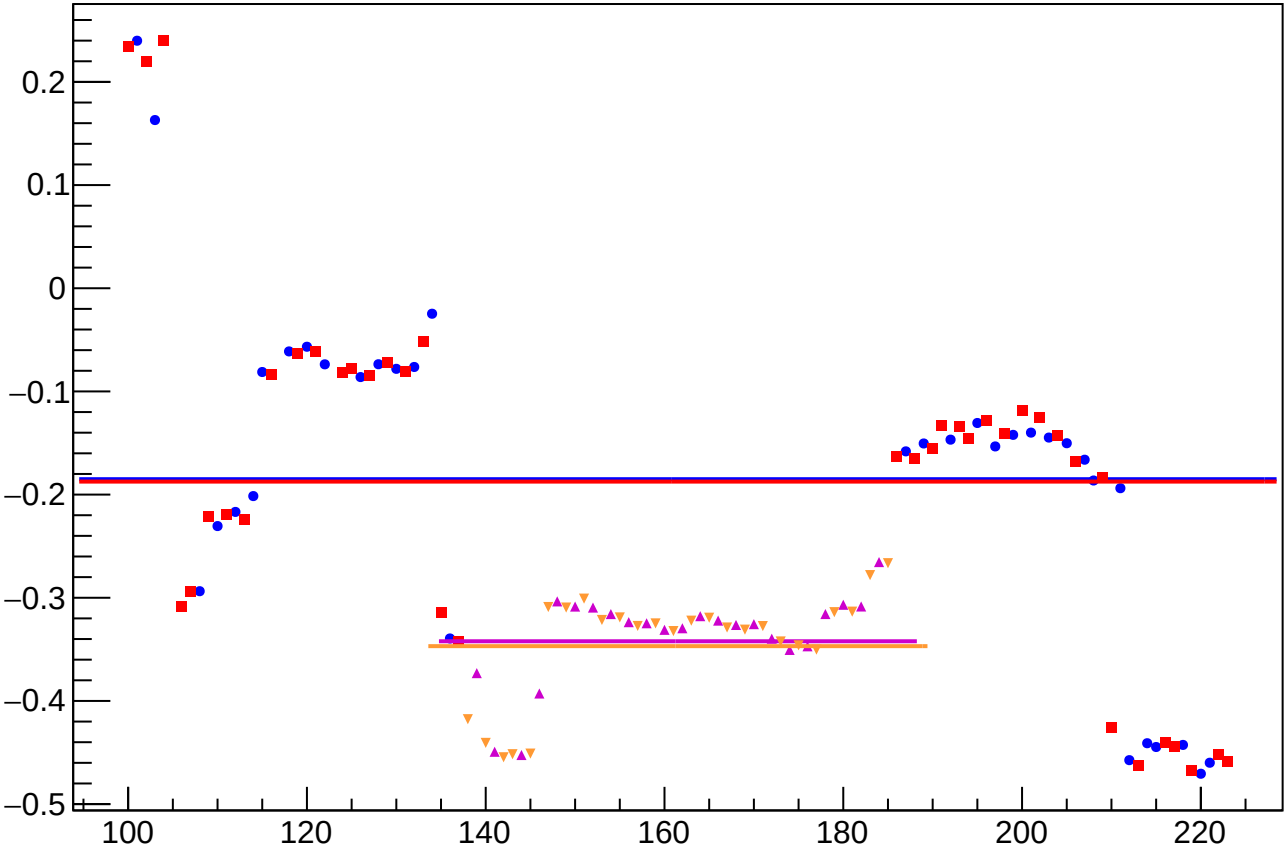
Right: 0.015+/-0.000 χ^2/NDF: 4960194.0/72

In: 0.013+/-0.000 χ^2/NDF:3848174.9/56

Out: 0.013+/-0.000 χ^2/NDF:4761492.2/63

All: 0.013+/-0.000 χ^2/NDF: 8612355.9/120

yield_bpm4eX_mean vs Slug, Sign Corrected



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

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

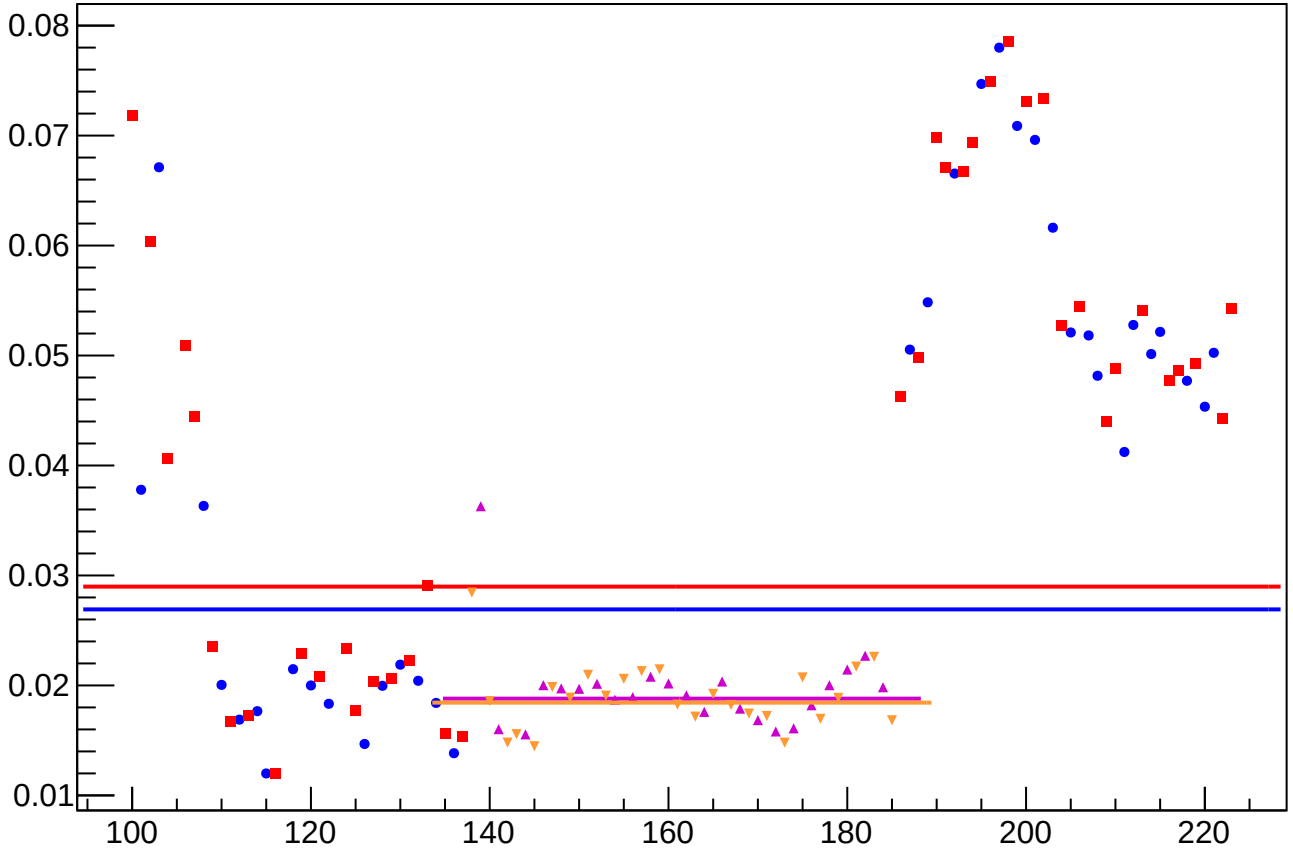
Right: -0.186+/-0.000 χ^2/NDF: 829924302.8/72

In: -0.291+/-0.000 χ^2/NDF:878825705.6/56

Out: -0.301+/-0.000 χ^2/NDF:843212639.2/63

All: -0.296+/-0.000 χ^2/NDF: 1725231886.0/1

yield_bpm4eX_rms vs Slug, Sign Corrected



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

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

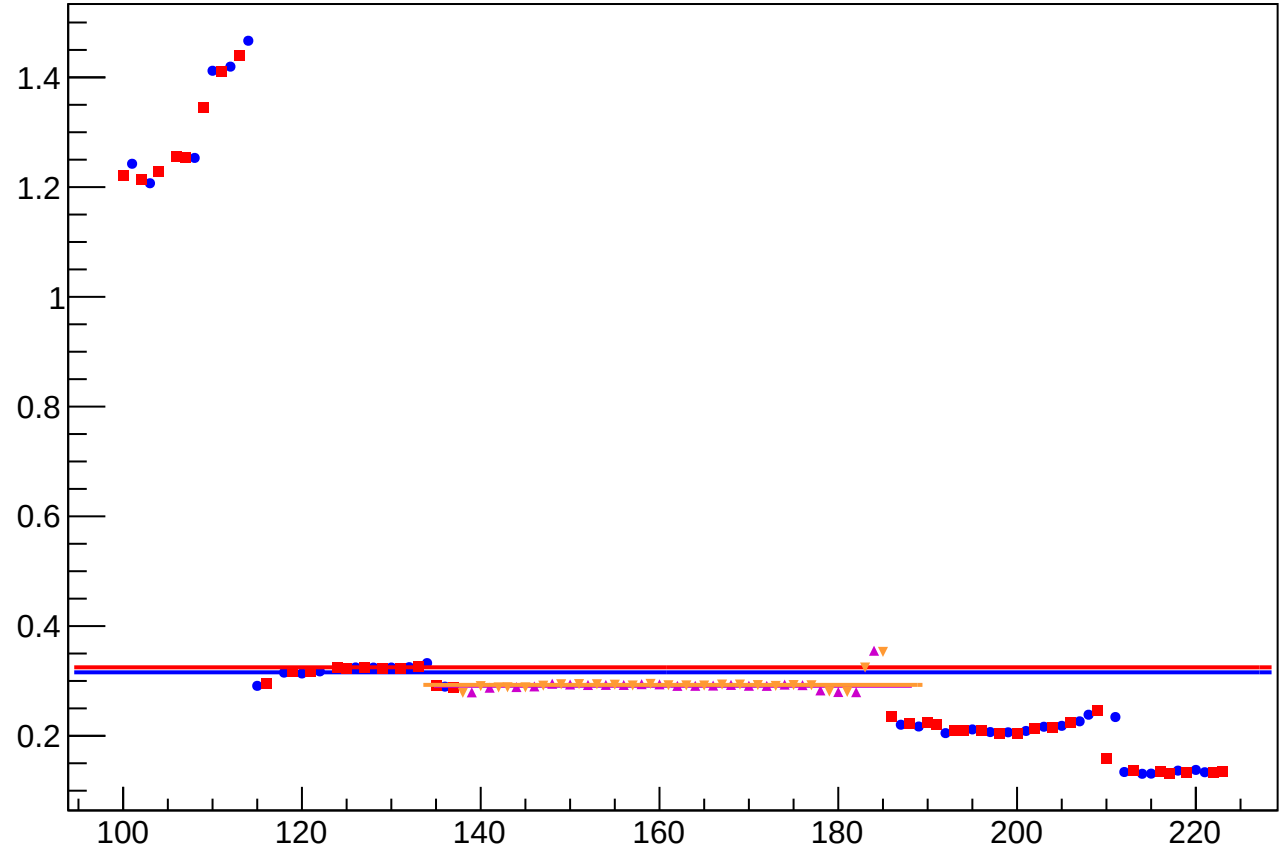
Right: 0.028+/-0.000 χ^2/NDF: 22401955.6/72

In: 0.021+/-0.000 χ^2/NDF:13811156.4/56

Out: 0.021+/-0.000 χ^2/NDF:14642555.7/63

All: 0.021+/-0.000 χ^2/NDF: 28453754.4/120

yield_bpm4eY_mean vs Slug, Sign Corrected



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

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

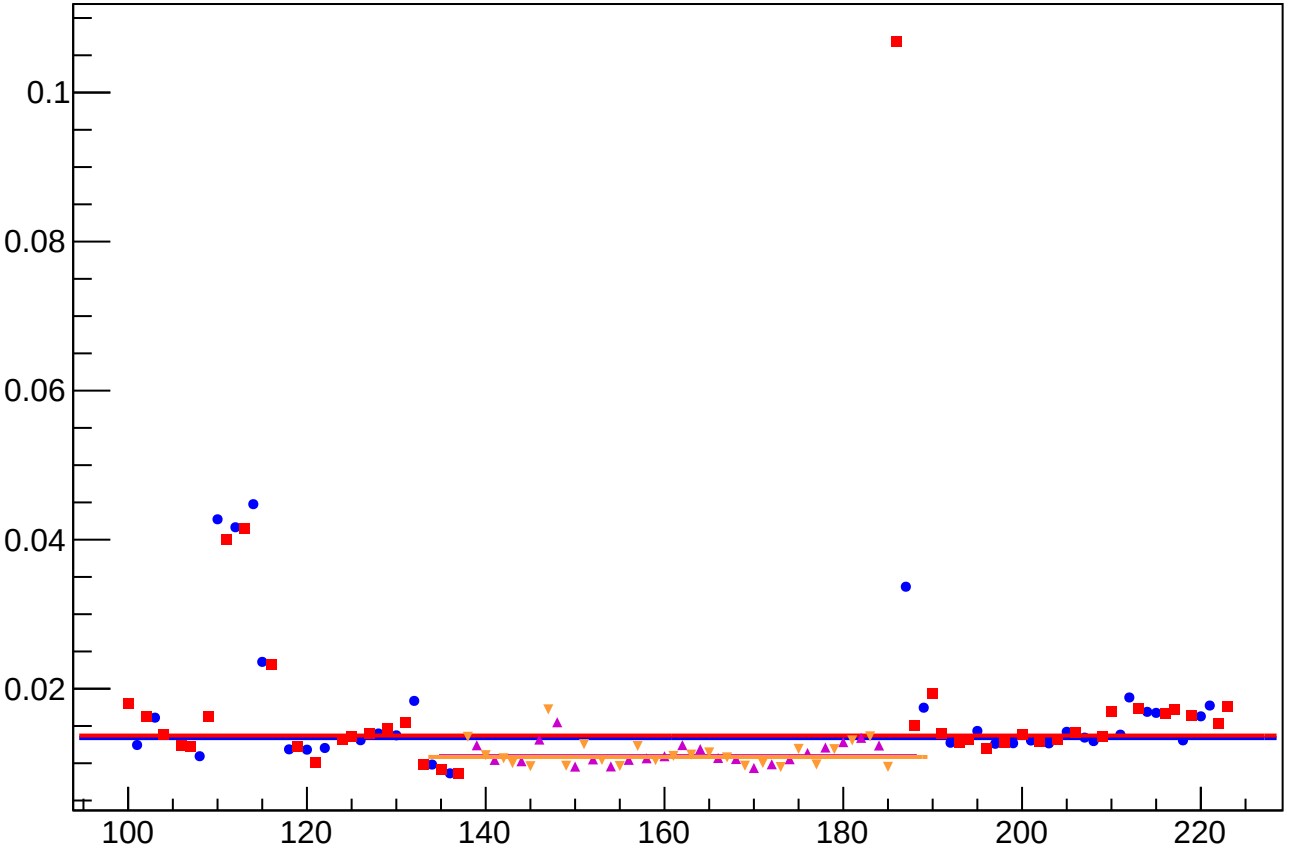
Right: 0.320+/-0.000 χ^2/NDF: 19313995700.4/72

In: 0.302+/-0.000 χ^2/NDF:9218683855.2/56

Out: 0.306+/-0.000 χ^2/NDF:10221489731.4/63

All: 0.304+/-0.000 χ^2/NDF: 19442438282.0/1

yield_bpm4eY_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

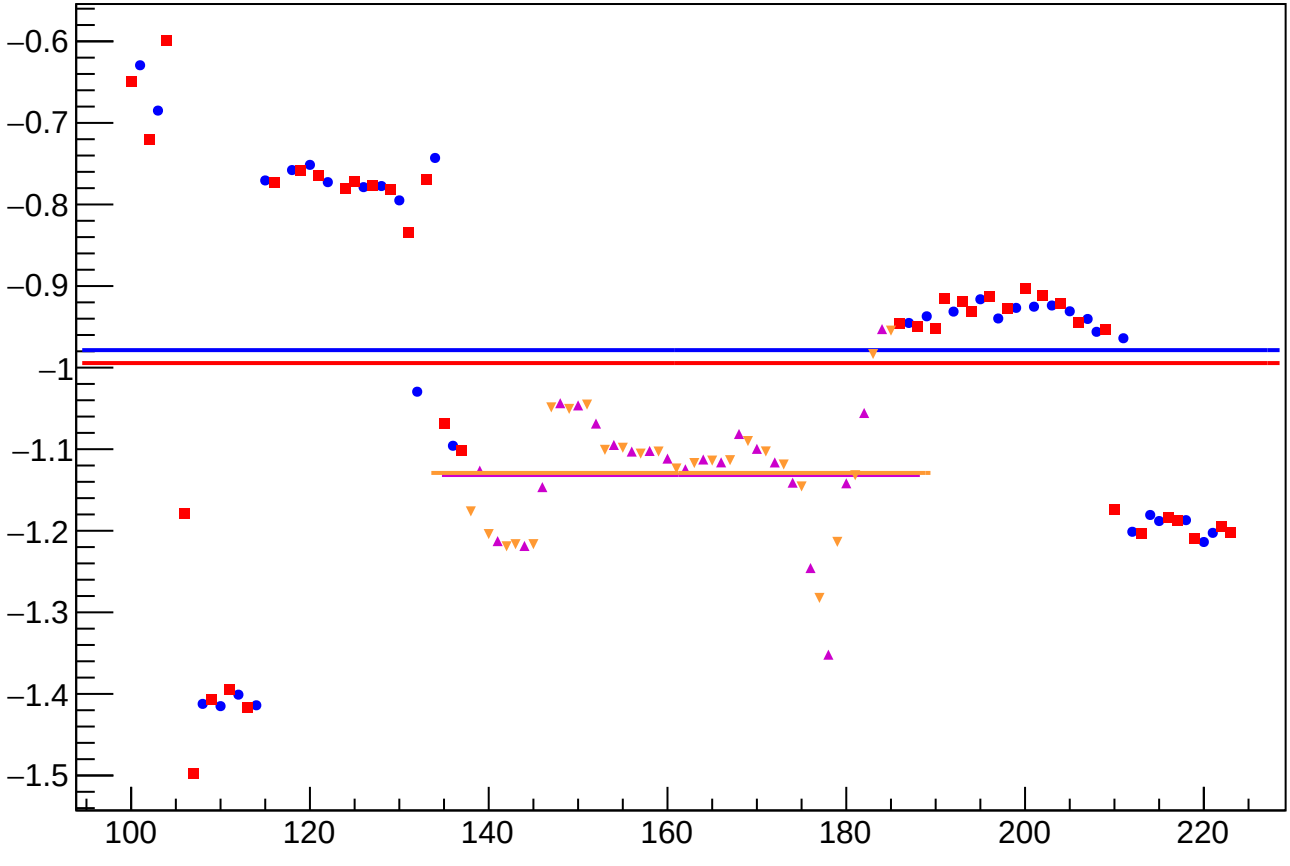
Right: 0.014+/-0.000 χ^2/NDF: 4965467.9/72

In: 0.012+/-0.000 χ^2/NDF:3571077.6/56

Out: 0.012+/-0.000 χ^2/NDF:4333131.2/63

All: 0.012+/-0.000 χ^2/NDF: 7904325.9/120

yield_bpm4acX_mean vs Slug, Sign Corrected



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

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

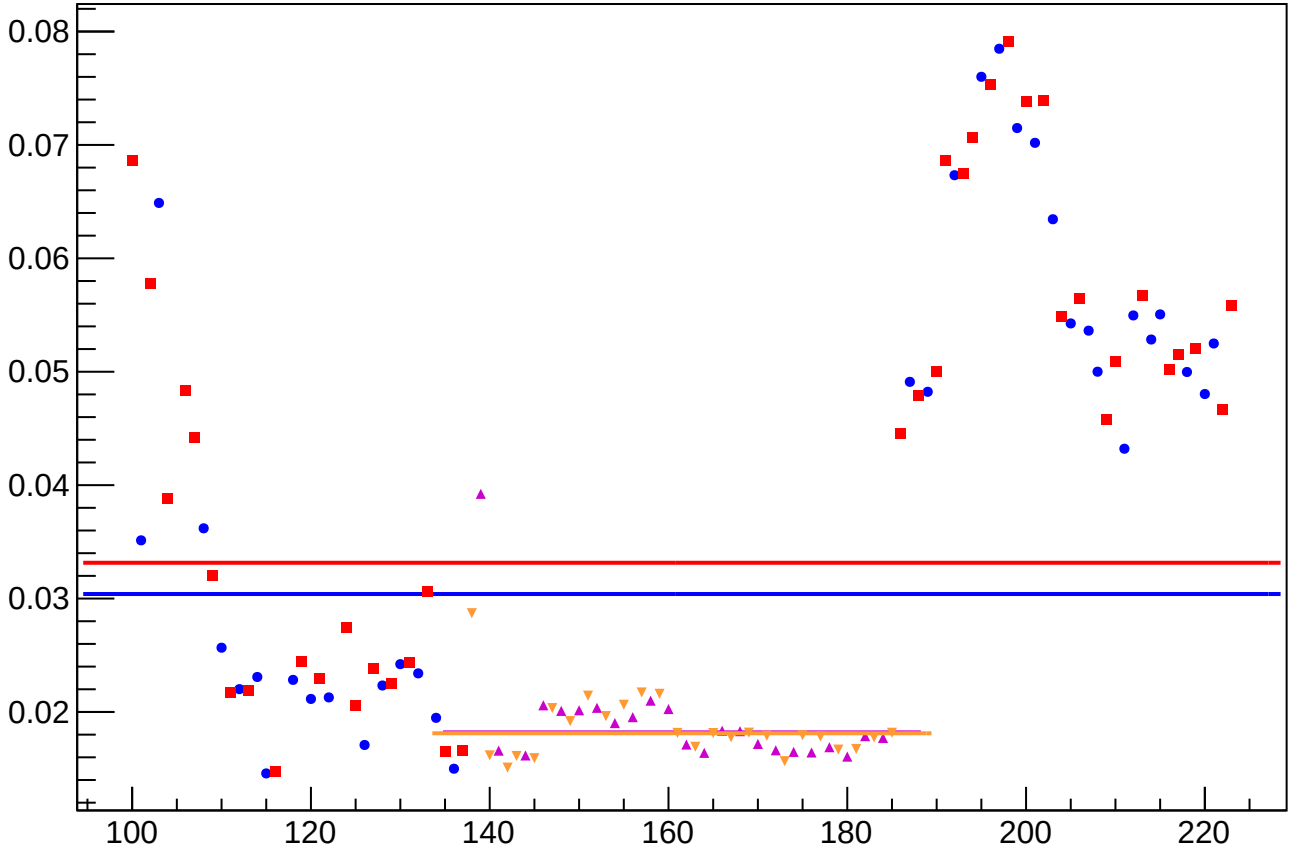
Right: -0.986+/-0.000 χ^2/NDF: 1619581970.7/72

In: -1.090+/-0.000 χ^2/NDF:1350250303.3/56

Out: -1.097+/-0.000 χ^2/NDF:1259097101.7/63

All: -1.093+/-0.000 χ^2/NDF: 2610788693.7/1

yield_bpm4acX_rms vs Slug, Sign Corrected



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

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

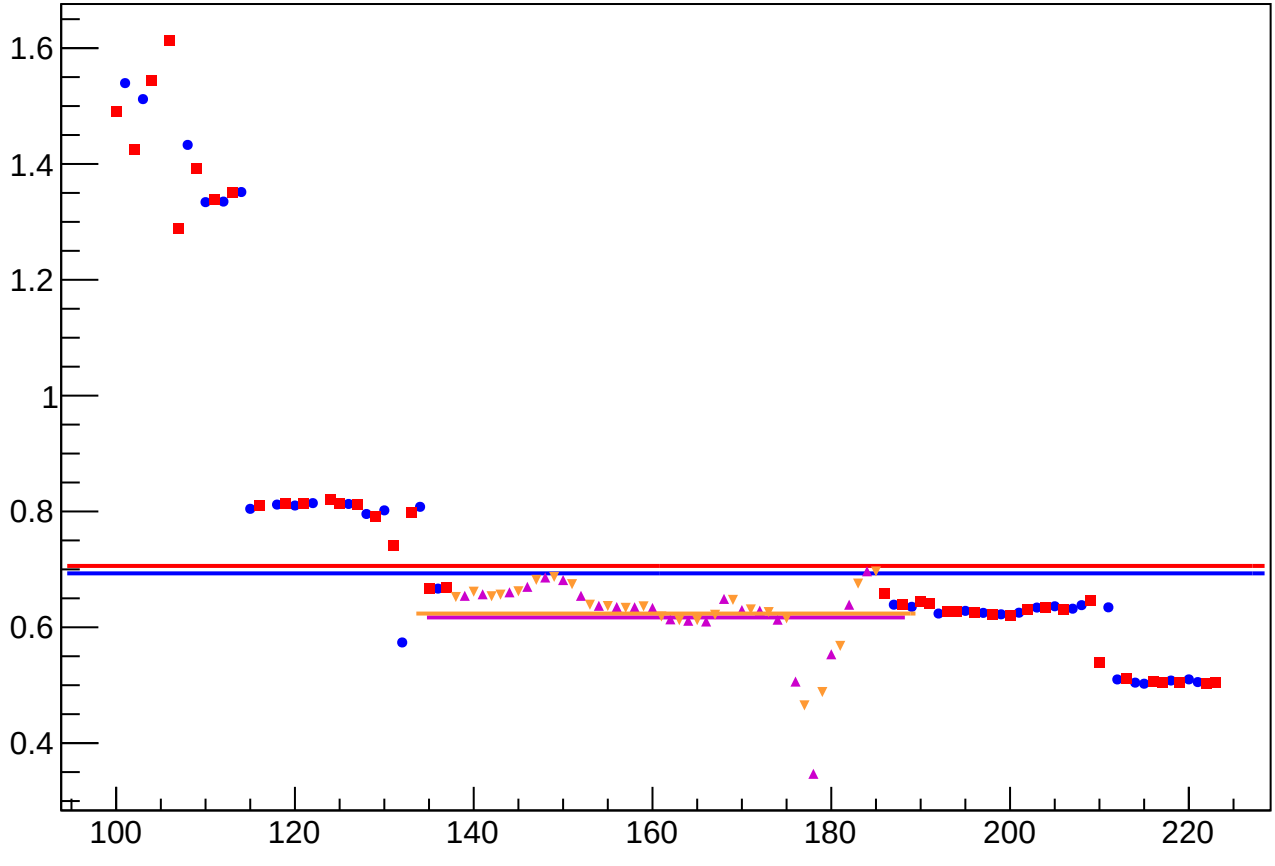
Right: 0.032+/-0.000 χ^2/NDF: 18830826.7/72

In: 0.022+/-0.000 χ^2/NDF:14070671.0/56

Out: 0.022+/-0.000 χ^2/NDF:14657080.5/63

All: 0.022+/-0.000 χ^2/NDF: 28730542.1/120

yield_bpm4acY_mean vs Slug, Sign Corrected



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

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

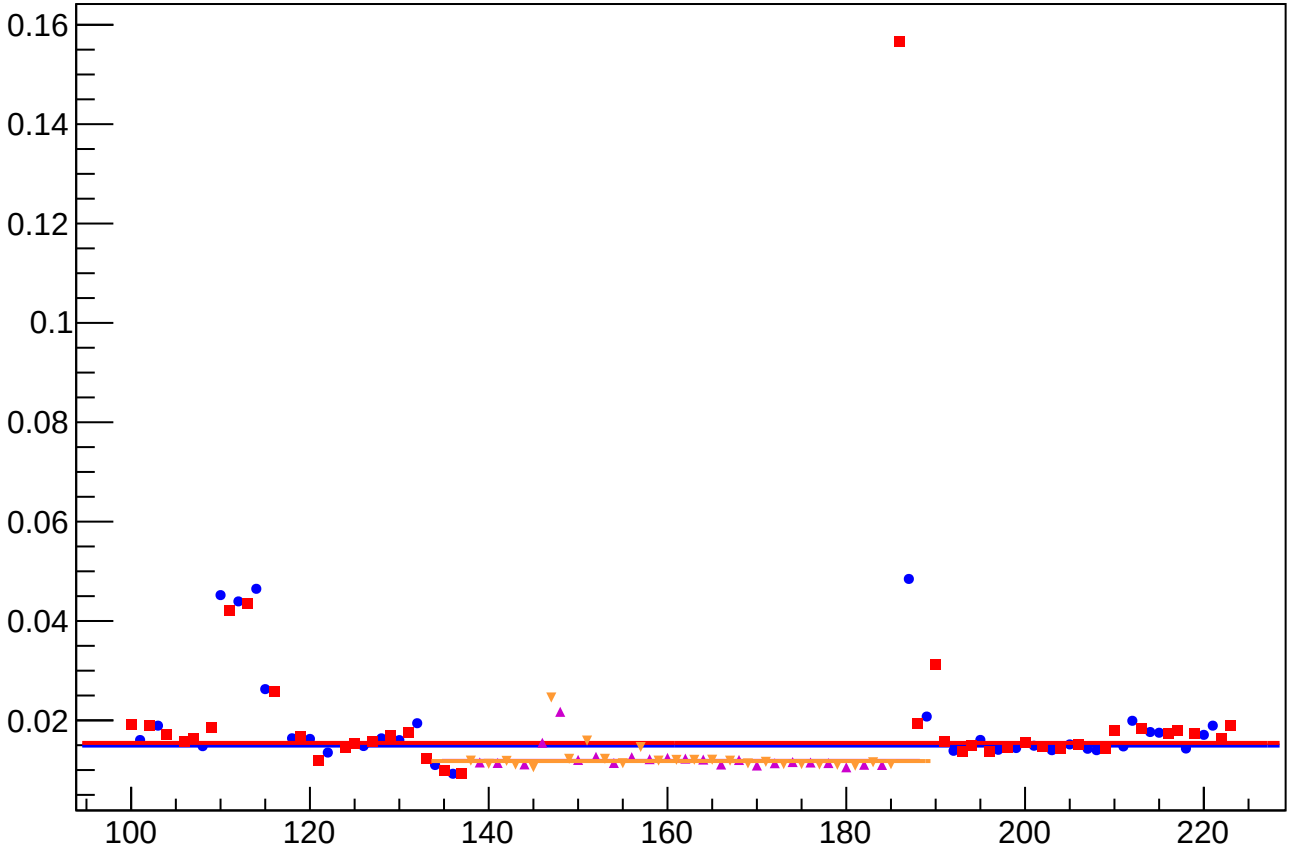
Right: 0.699+/-0.000 χ^2/NDF: 9733091645.8/72

In: 0.649+/-0.000 χ^2/NDF:5600444384.5/56

Out: 0.656+/-0.000 χ^2/NDF:5825218885.1/63

All: 0.652+/-0.000 χ^2/NDF: 11431516678.0/1

yield_bpm4acY_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

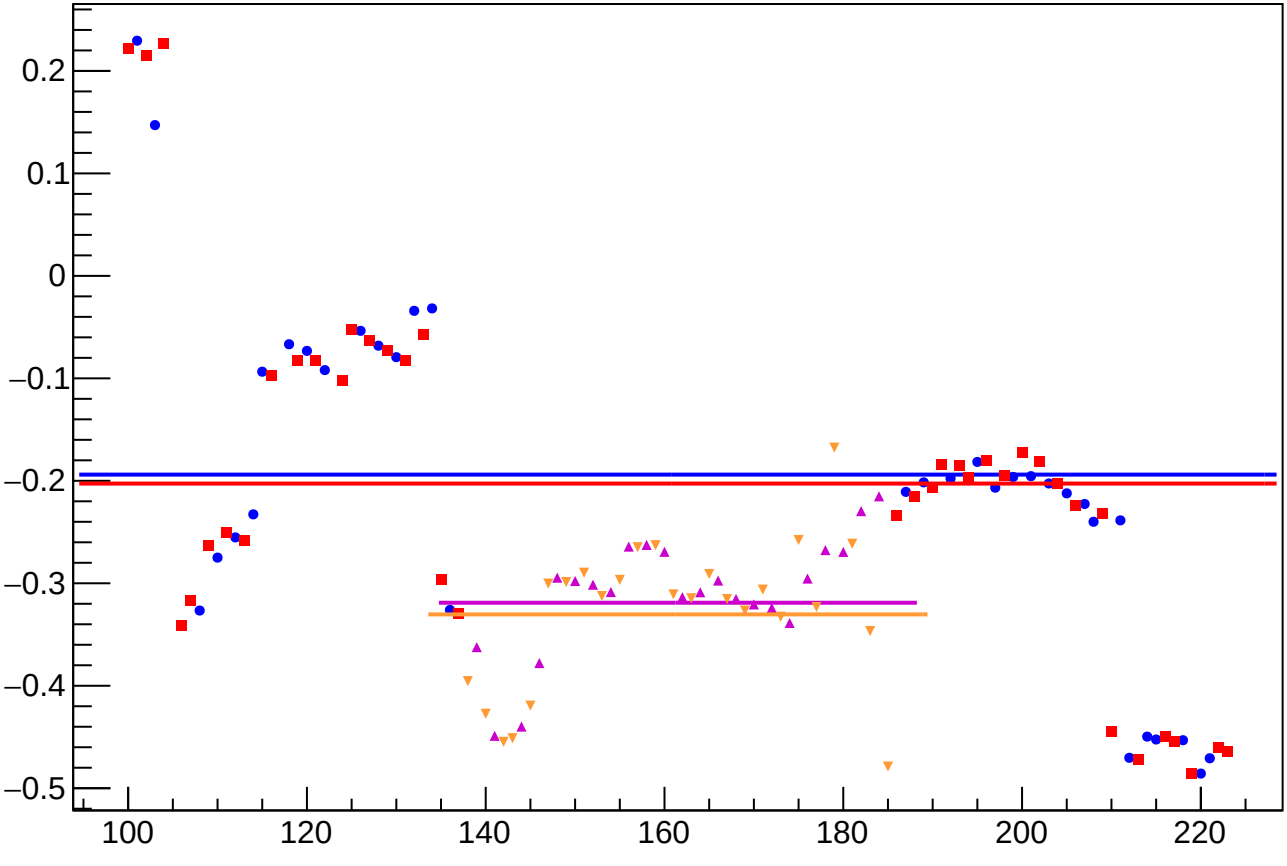
Right: 0.015+/-0.000 χ^2/NDF: 4939048.7/72

In: 0.013+/-0.000 χ^2/NDF:3791770.4/56

Out: 0.013+/-0.000 χ^2/NDF:4677972.3/63

All: 0.013+/-0.000 χ^2/NDF: 8472747.0/120

yield_bpm4ecX_mean vs Slug, Sign Corrected



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

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

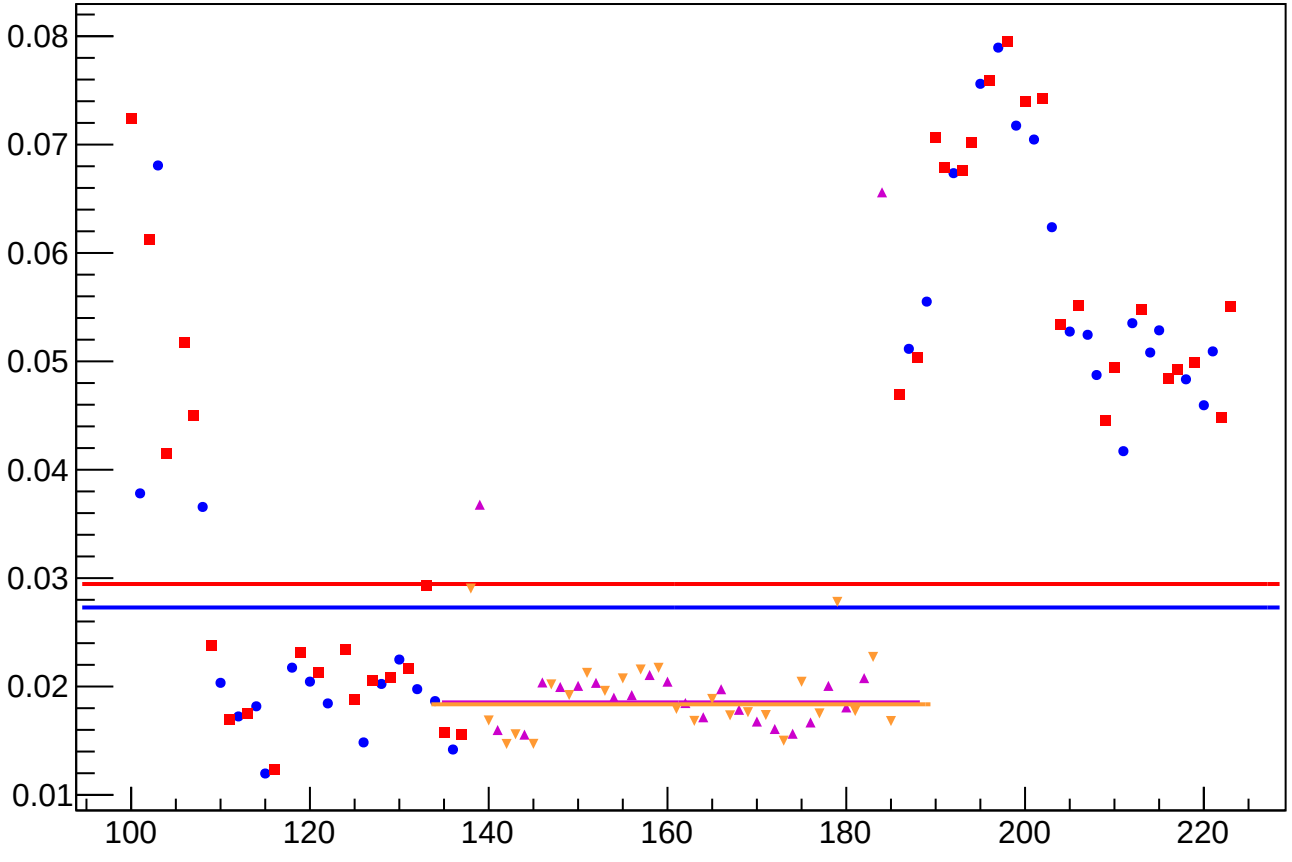
Right: -0.198+/-0.000 χ^2/NDF: 826968815.8/72

In: -0.279+/-0.000 χ^2/NDF:796992851.9/56

Out: -0.294+/-0.000 χ^2/NDF:764473904.1/63

All: -0.287+/-0.000 χ^2/NDF: 1568464572.7/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



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

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

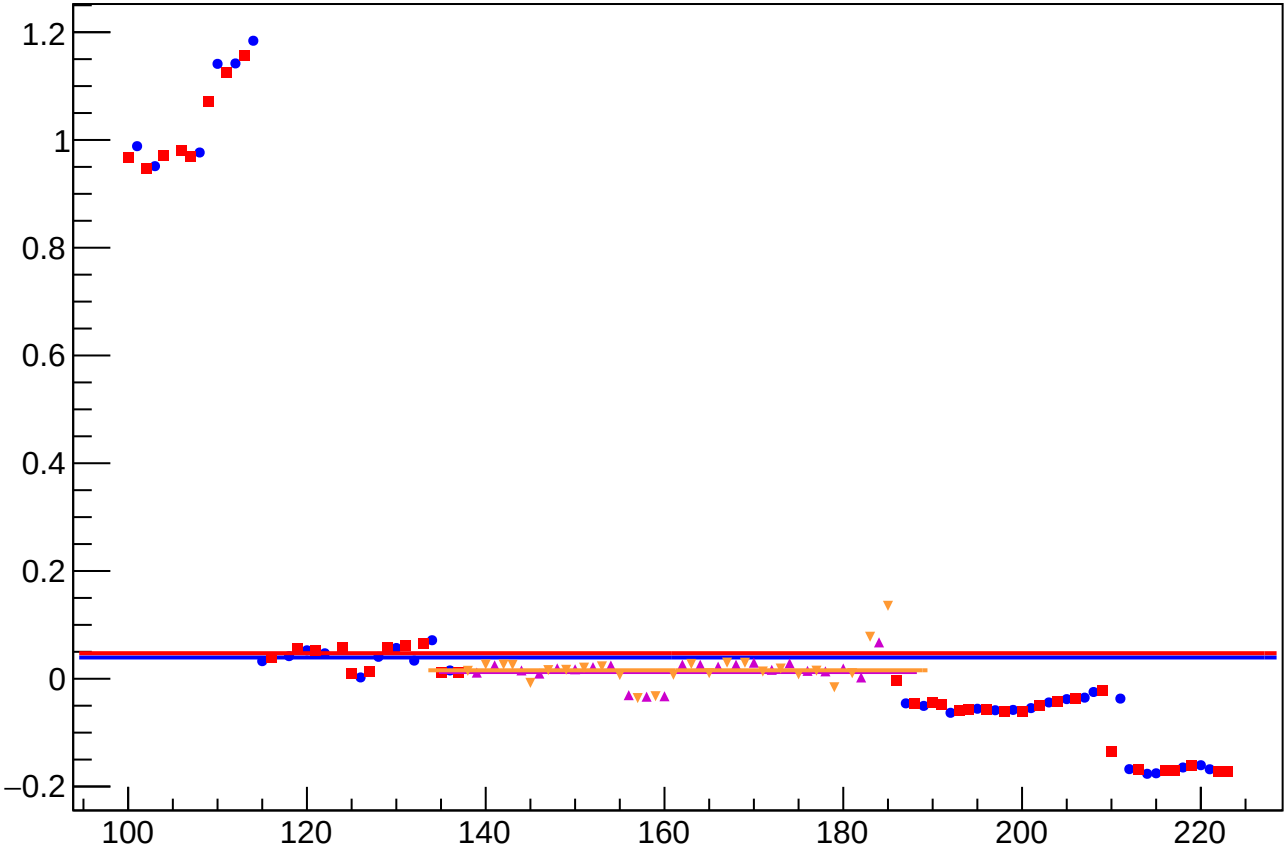
Right: 0.028+/-0.000 χ^2/NDF: 22293185.7/72

In: 0.021+/-0.000 χ^2/NDF:14239548.6/56

Out: 0.022+/-0.000 χ^2/NDF:14894011.0/63

All: 0.021+/-0.000 χ^2/NDF: 29135760.3/120

yield_bpm4ecY_mean vs Slug, Sign Corrected



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

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

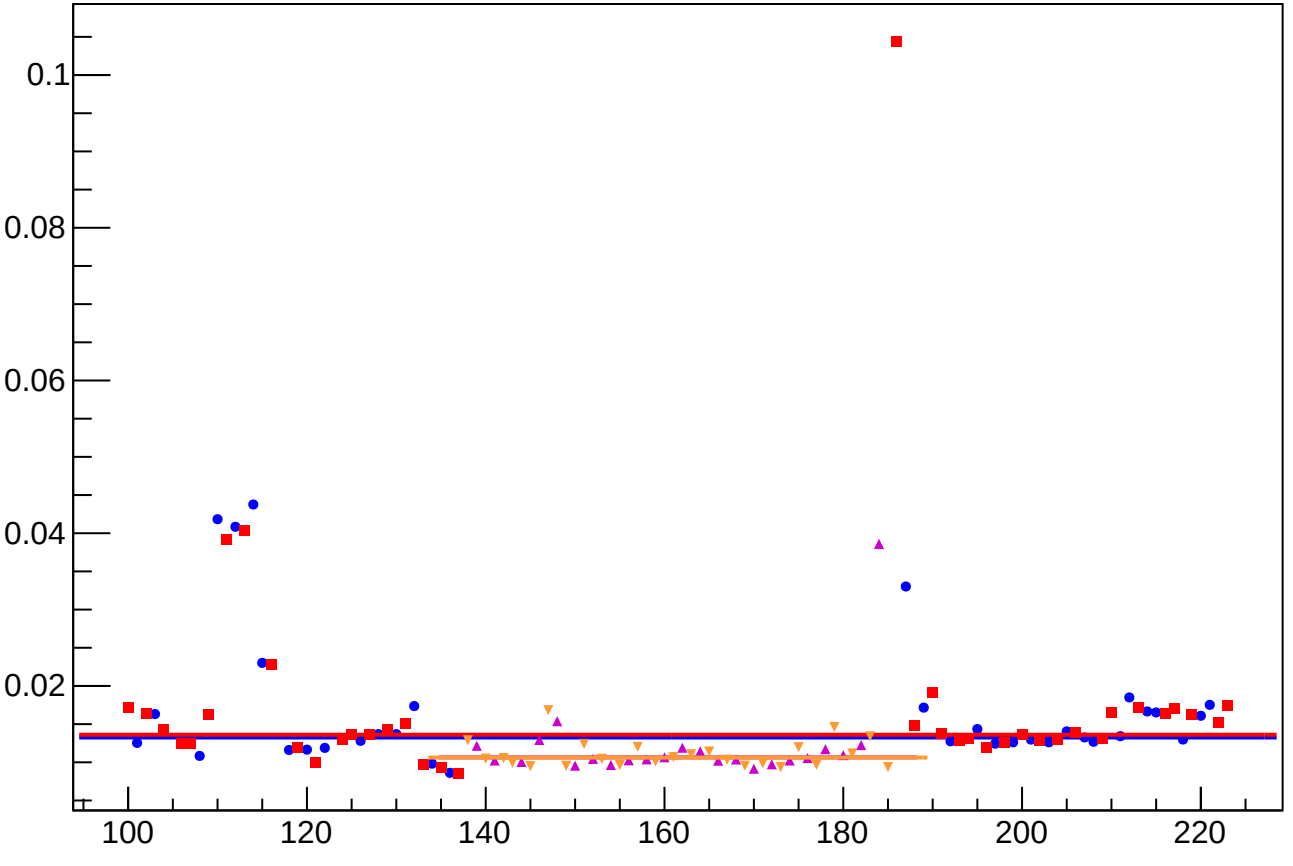
Right: 0.043+/-0.000 χ^2/NDF: 19761304046.3/72

In: 0.024+/-0.000 χ^2/NDF:9596910657.8/56

Out: 0.029+/-0.000 χ^2/NDF:10436264754.5/63

All: 0.026+/-0.000 χ^2/NDF: 20036106530.1/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

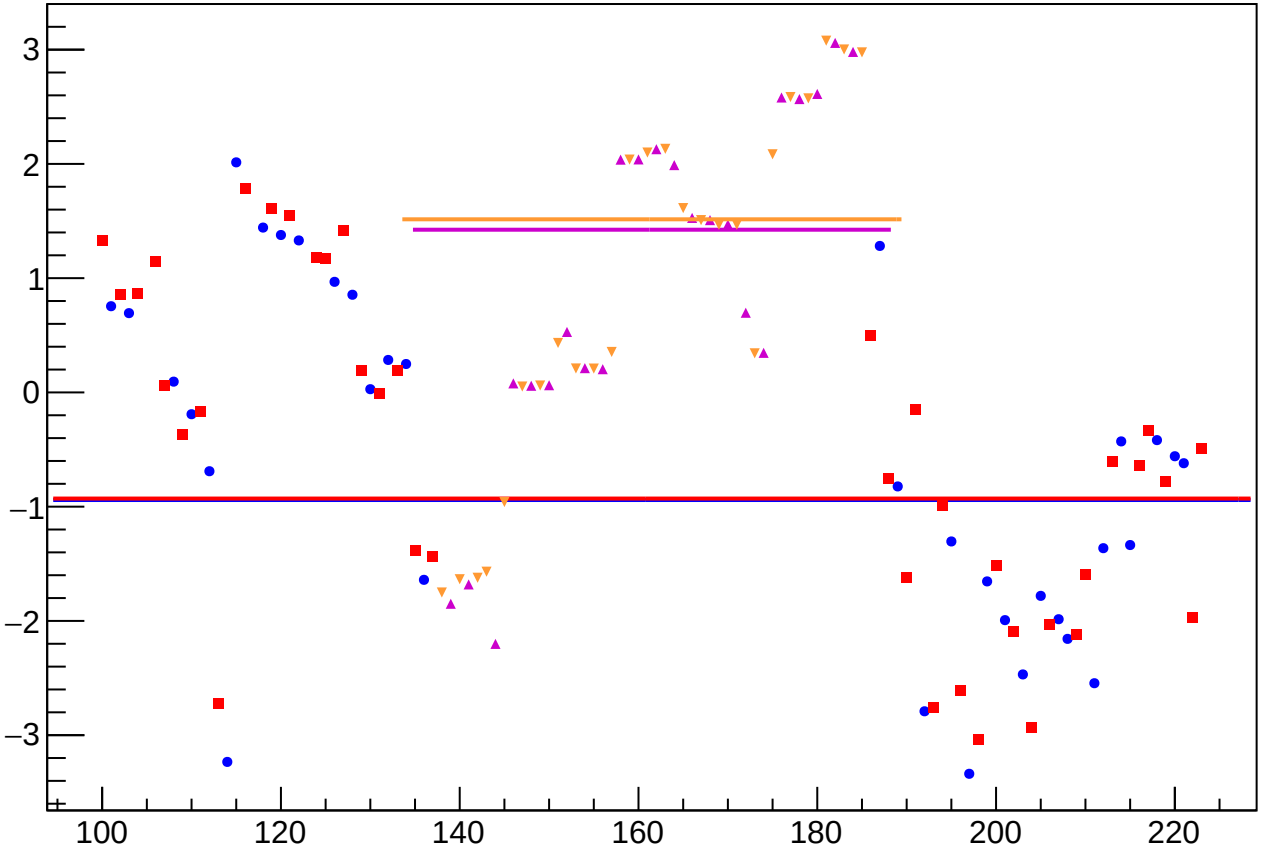
Right: 0.013+/-0.000 χ^2/NDF: 4826157.3/72

In: 0.012+/-0.000 χ^2/NDF:3715828.9/56

Out: 0.012+/-0.000 χ^2/NDF:4322992.4/63

All: 0.012+/-0.000 χ^2/NDF: 8040996.1/120

yield_bpm1X_mean vs Slug, Sign Corrected



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

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

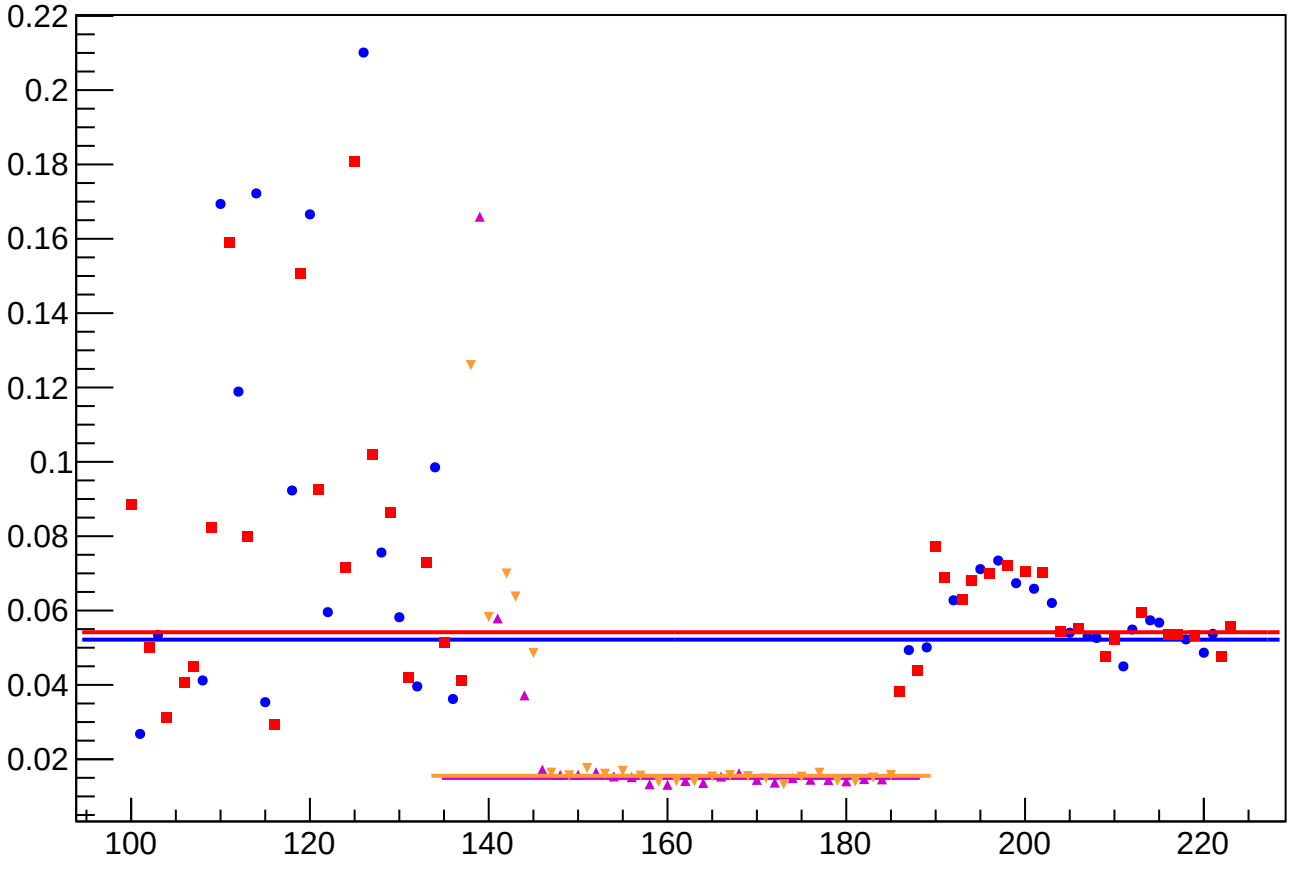
Right: -0.935+/-0.000 χ^2/NDF: 20136103374.5/72

In: 1.202+/-0.000 χ^2/NDF:110501384610.4/56

Out: 1.284+/-0.000 χ^2/NDF:112268805821.1/63

All: 1.243+/-0.000 χ^2/NDF: 222994487581.9

yield_bpm1X_rms vs Slug, Sign Corrected



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

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

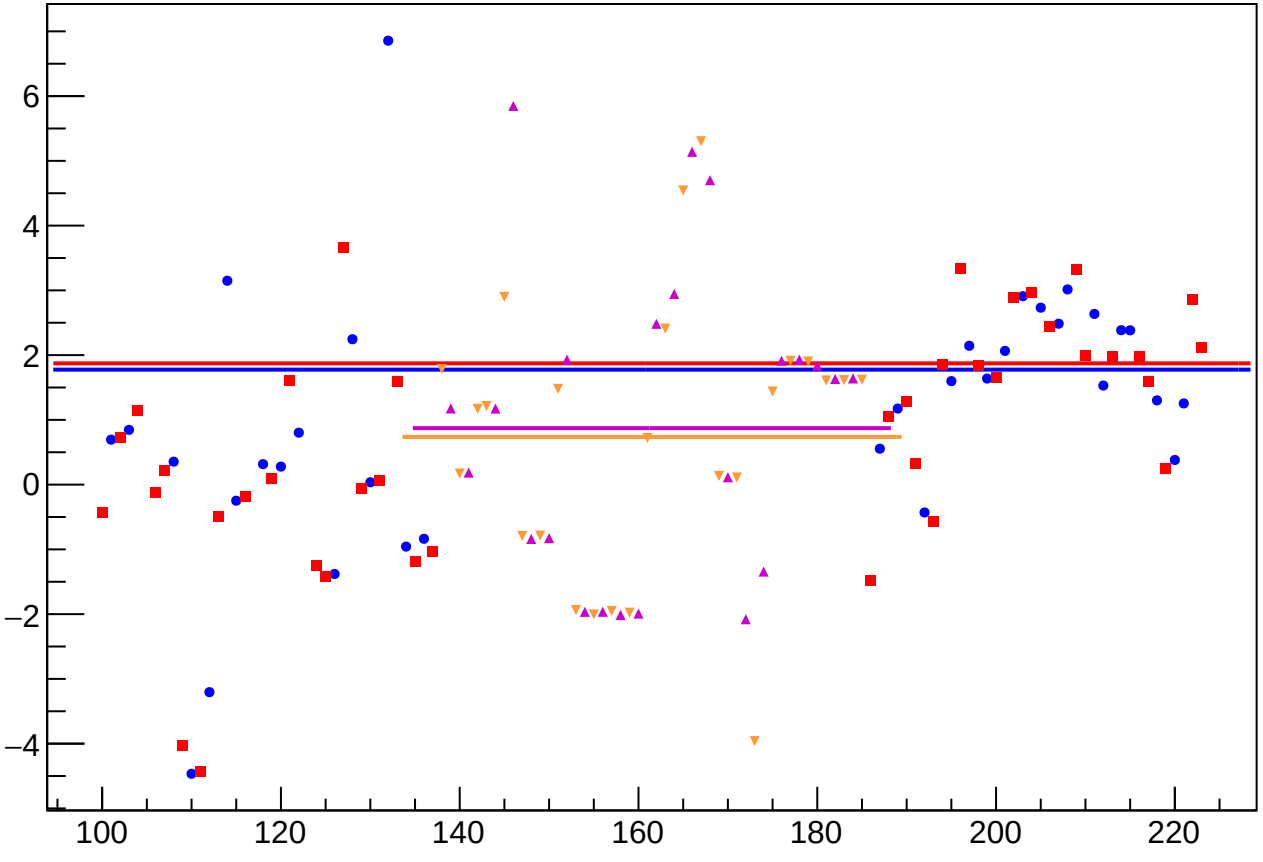
Right: 0.053+/-0.000 χ^2/NDF: 6888904.4/72

In: 0.018+/-0.000 χ^2/NDF:21904864.0/56

Out: 0.019+/-0.000 χ^2/NDF:23315466.8/63

All: 0.019+/-0.000 χ^2/NDF: 45257478.6/120

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.776+/-0.000 χ^2/NDF: 49213578546.3/33

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.873+/-0.000 χ^2/NDF: 53459221206.3/38

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

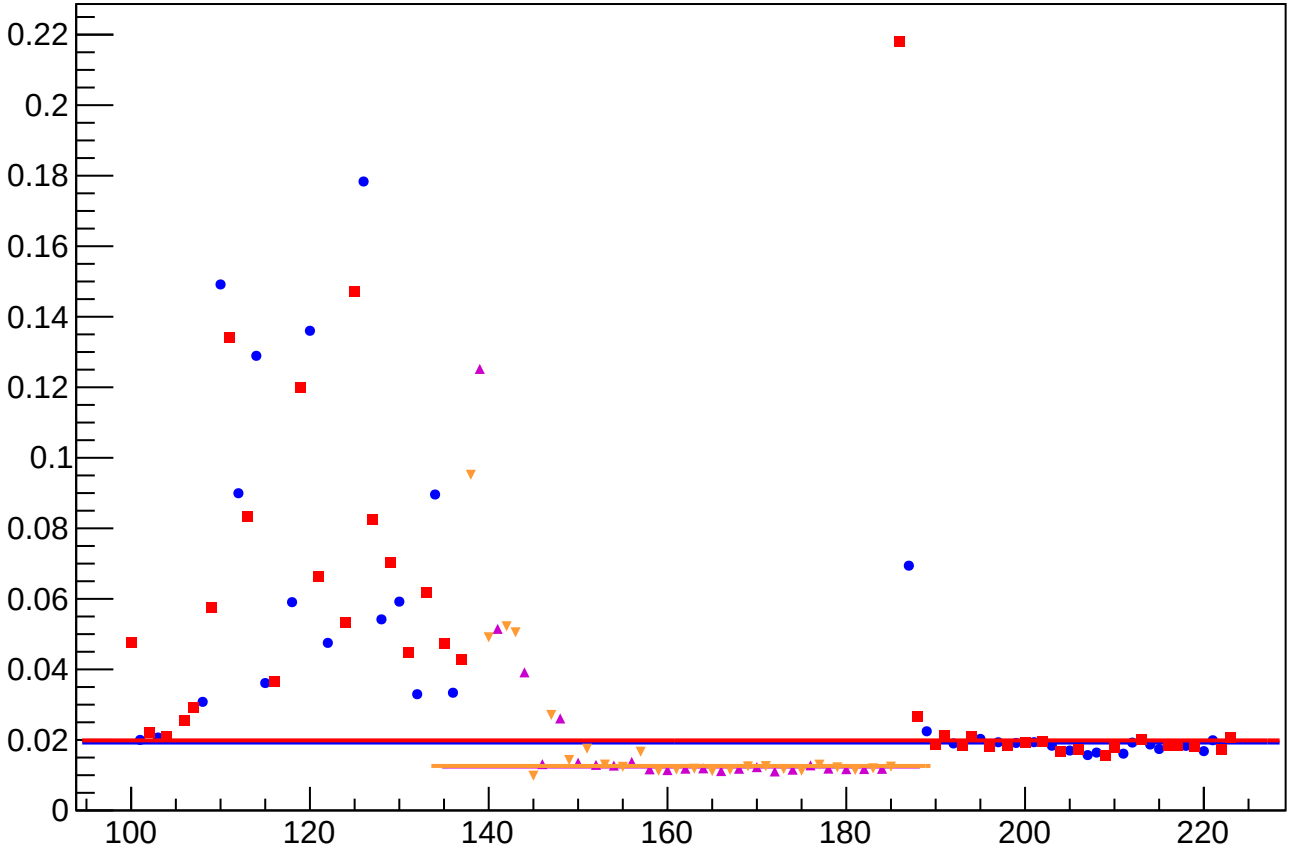
Right: 1.824+/-0.000 χ^2/NDF: 102872142995.4/72

In: 1.146+/-0.000 χ^2/NDF:693844651234.9/56

Out: 1.075+/-0.000 χ^2/NDF:627531227440.1/63

All: 1.110+/-0.000 χ^2/NDF: 1321735808698.

yield_bpm1Y_rms vs Slug, Sign Corrected



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

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

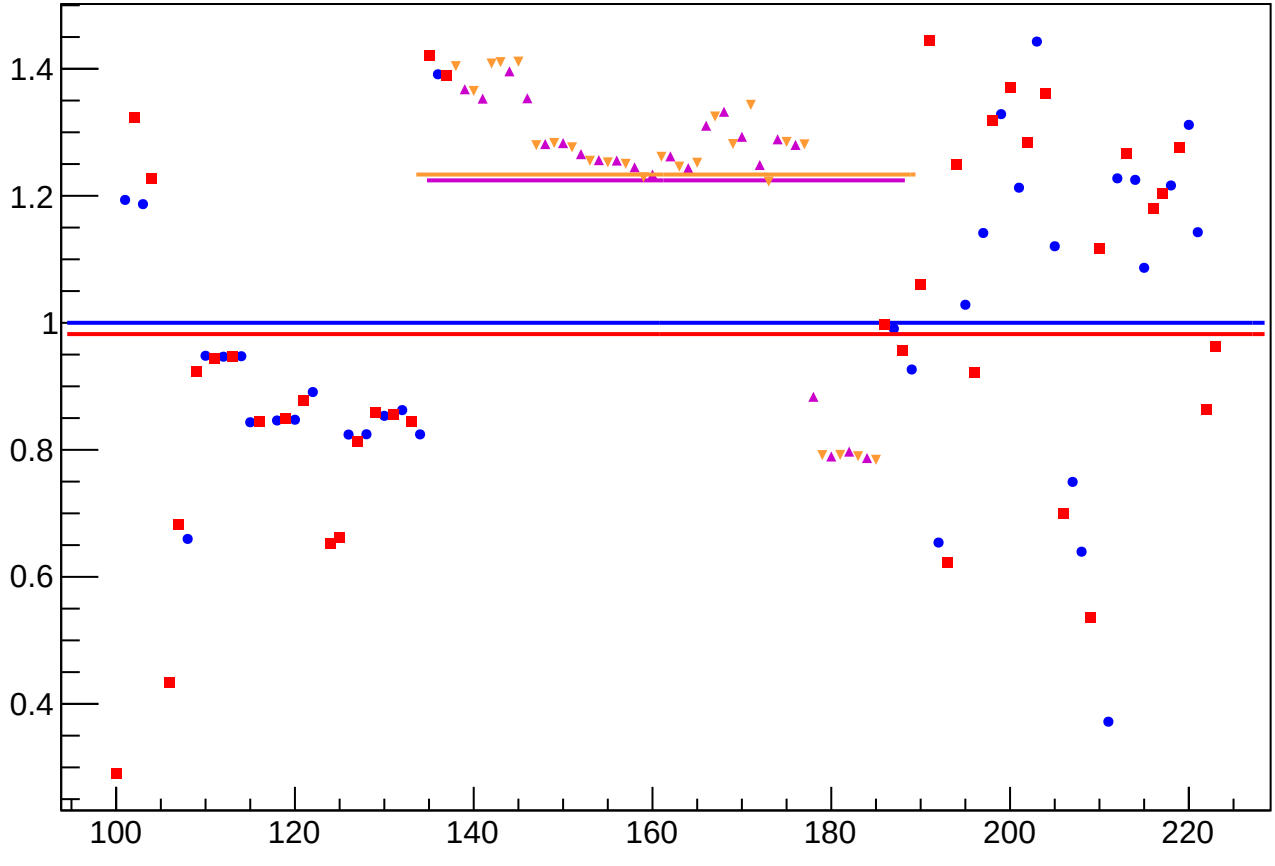
Right: 0.020+/-0.000 χ^2/NDF: 10173403.3/72

In: 0.015+/-0.000 χ^2/NDF:10072414.4/56

Out: 0.015+/-0.000 χ^2/NDF:11902224.4/63

All: 0.015+/-0.000 χ^2/NDF: 21984397.2/120

yield_bpm11X_mean vs Slug, Sign Corrected



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

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

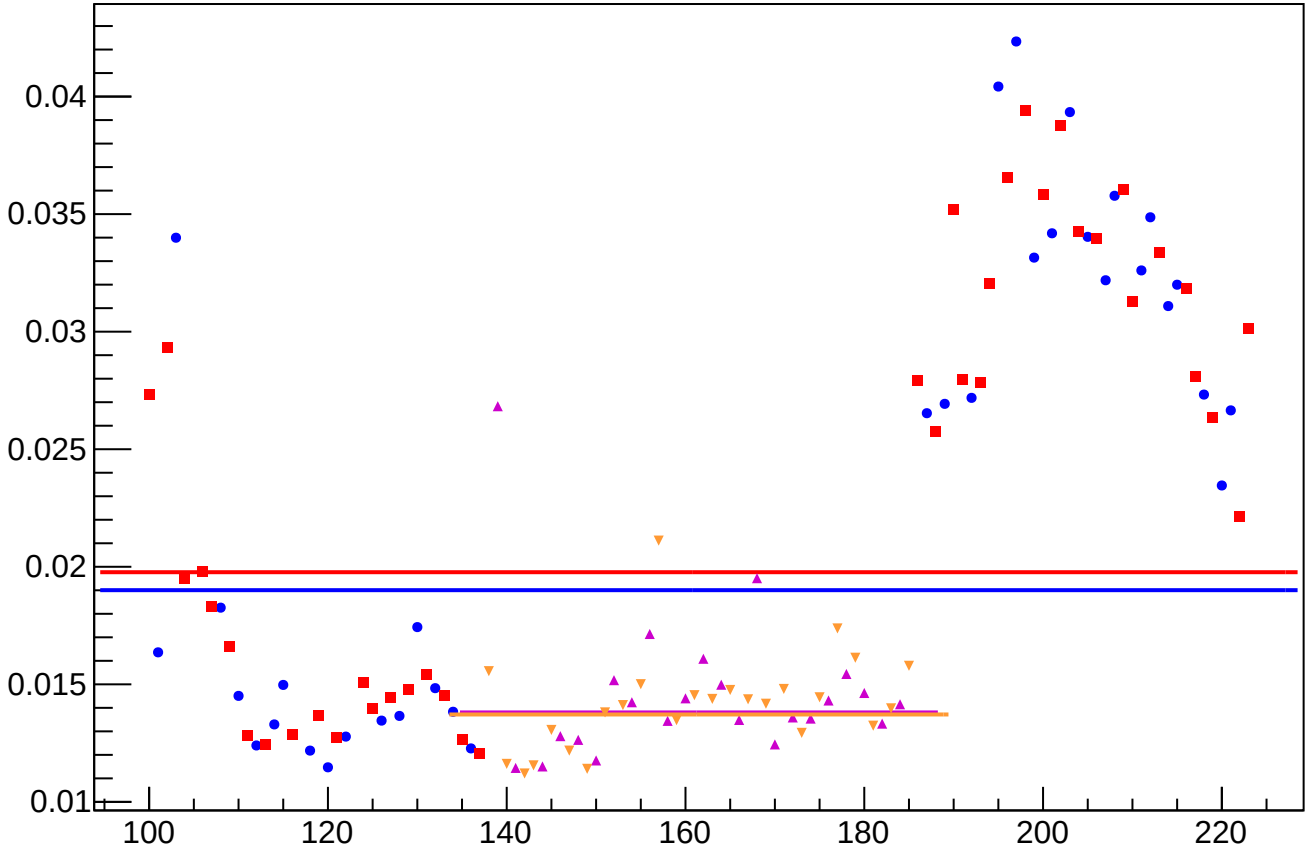
Right: 0.991+/-0.000 χ^2/NDF: 5271281152.3/72

In: 1.145+/-0.000 χ^2/NDF:6702876213.4/56

Out: 1.149+/-0.000 χ^2/NDF:7690109177.8/63

All: 1.147+/-0.000 χ^2/NDF: 14393891113.5/1

yield_bpm11X_rms vs Slug, Sign Corrected



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

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

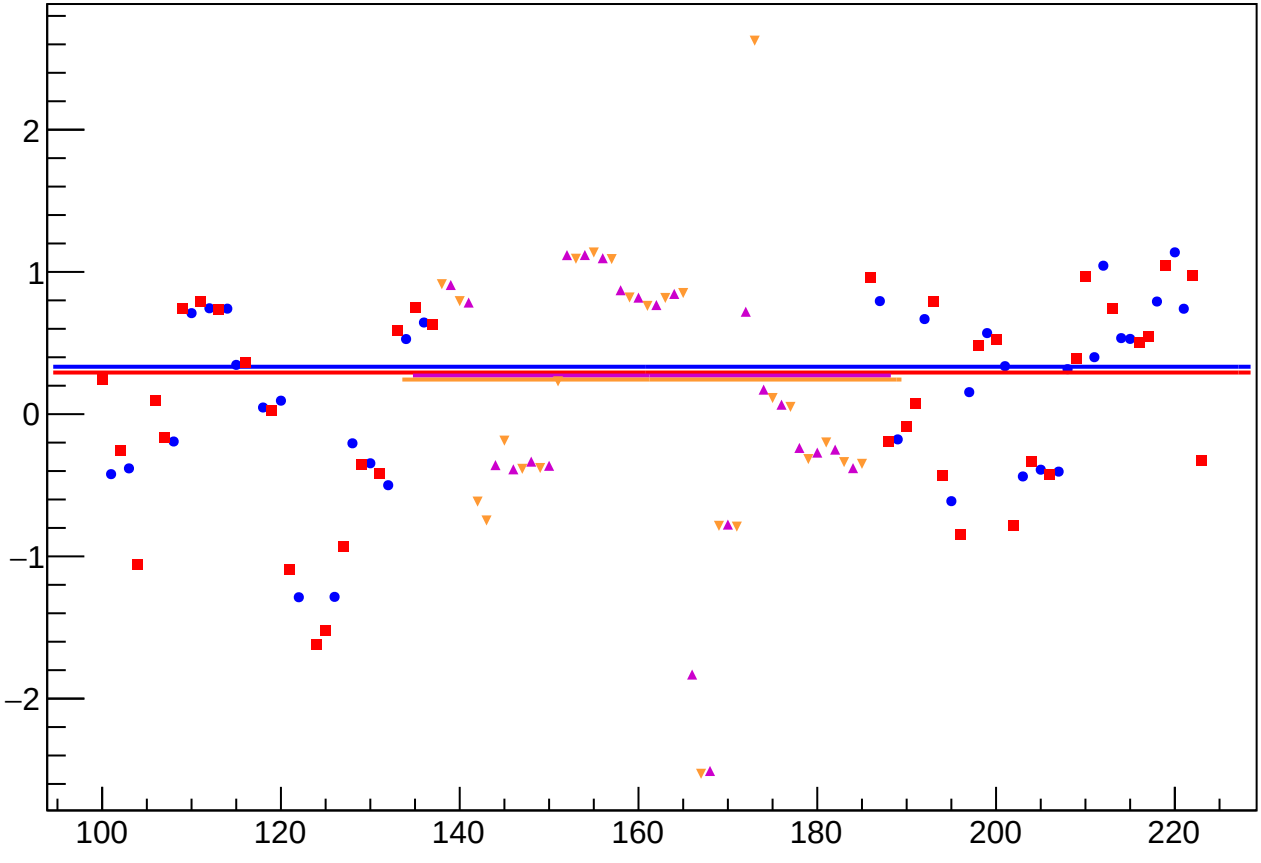
Right: 0.019+/-0.000 χ^2/NDF: 13293704.8/72

In: 0.016+/-0.000 χ^2/NDF:9413511.6/56

Out: 0.016+/-0.000 χ^2/NDF:9126554.5/63

All: 0.016+/-0.000 χ^2/NDF: 18541906.6/120

yield_bpm11Y_mean vs Slug, Sign Corrected



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

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

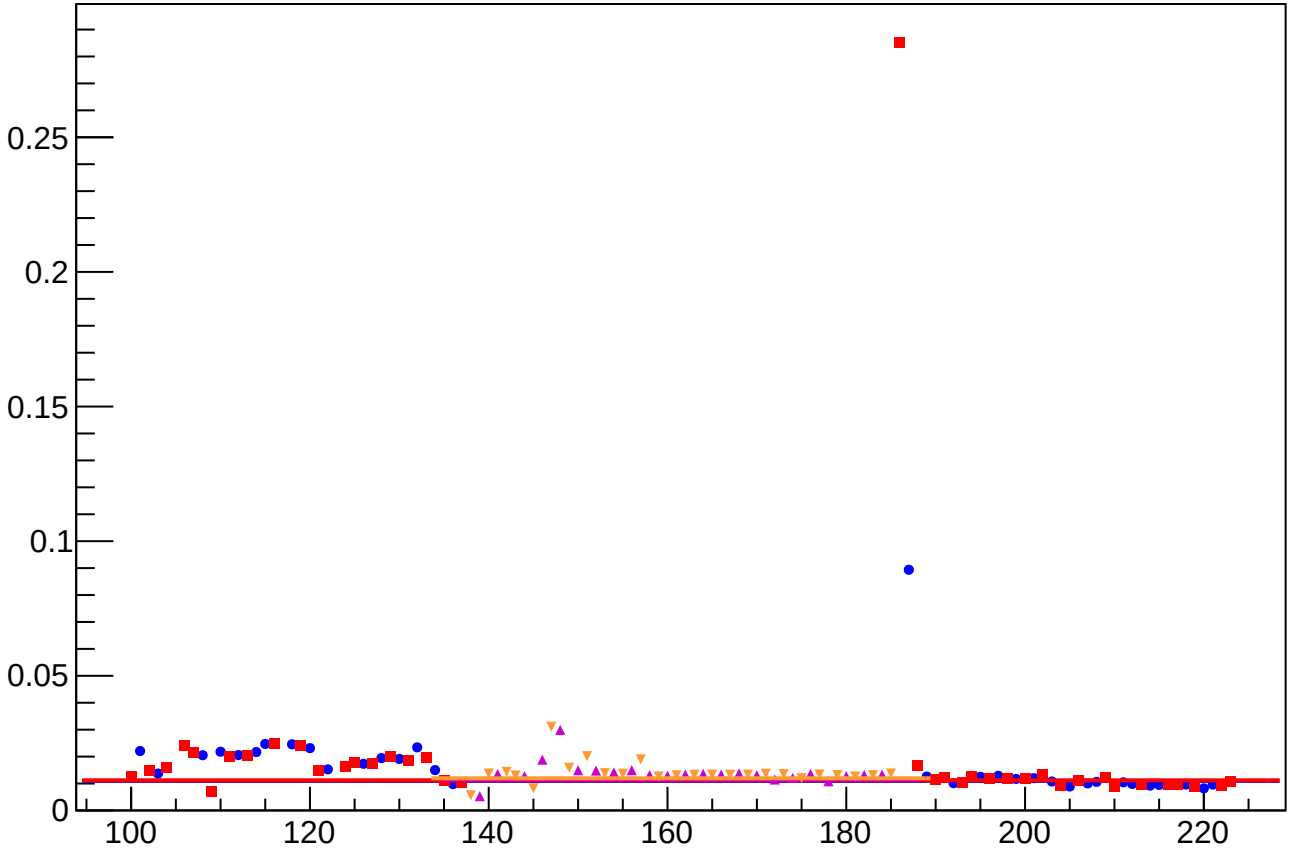
Right: 0.313+/-0.000 χ^2/NDF: 113387281339.9/72

In: 0.306+/-0.000 χ^2/NDF:140419996517.8/56

Out: 0.271+/-0.000 χ^2/NDF:169350311015.6/63

All: 0.289+/-0.000 χ^2/NDF: 309938412027.6

yield_bpm11Y_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

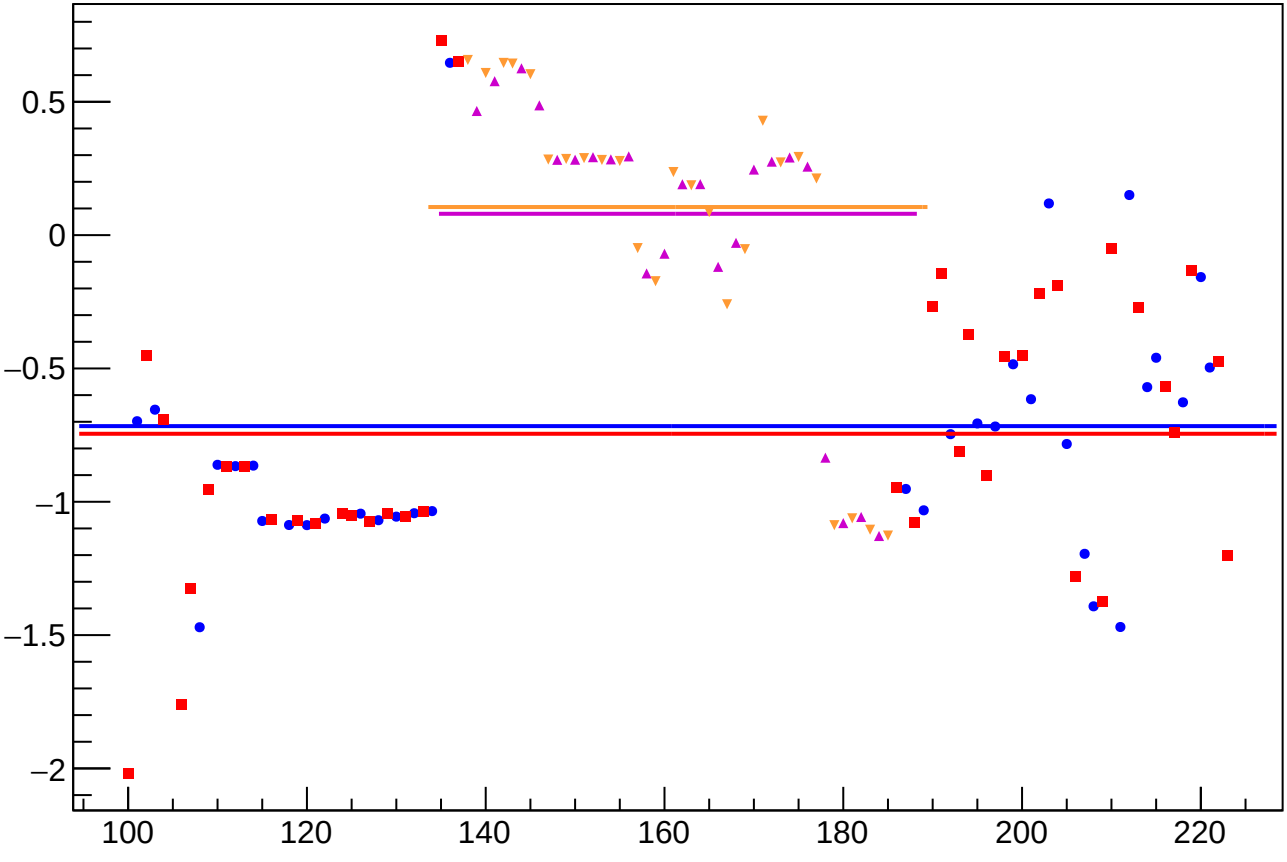
Right: 0.011+/-0.000 χ^2/NDF: 6763922.1/72

In: 0.011+/-0.000 χ^2/NDF:6863930.0/56

Out: 0.012+/-0.000 χ^2/NDF:6941655.3/63

All: 0.011+/-0.000 χ^2/NDF: 13833433.7/120

yield_bpm12X_mean vs Slug, Sign Corrected



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

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

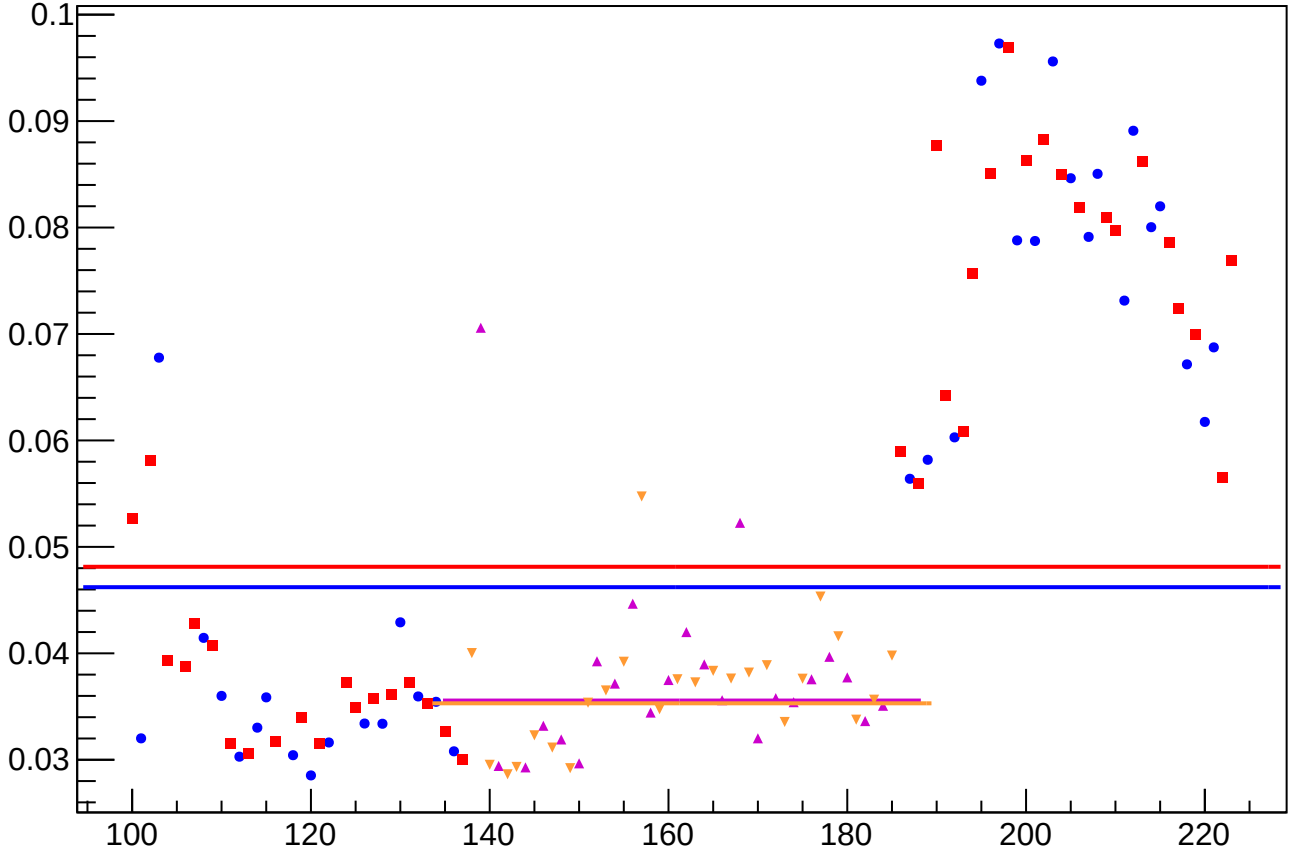
Right: -0.730+/-0.000 χ^2/NDF: 4841606408.9/72

In: -0.228+/-0.000 χ^2/NDF:8877443041.0/56

Out: -0.207+/-0.000 χ^2/NDF:9720602353.5/63

All: -0.217+/-0.000 χ^2/NDF: 18602496426.5/

yield_bpm12X_rms vs Slug, Sign Corrected



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

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

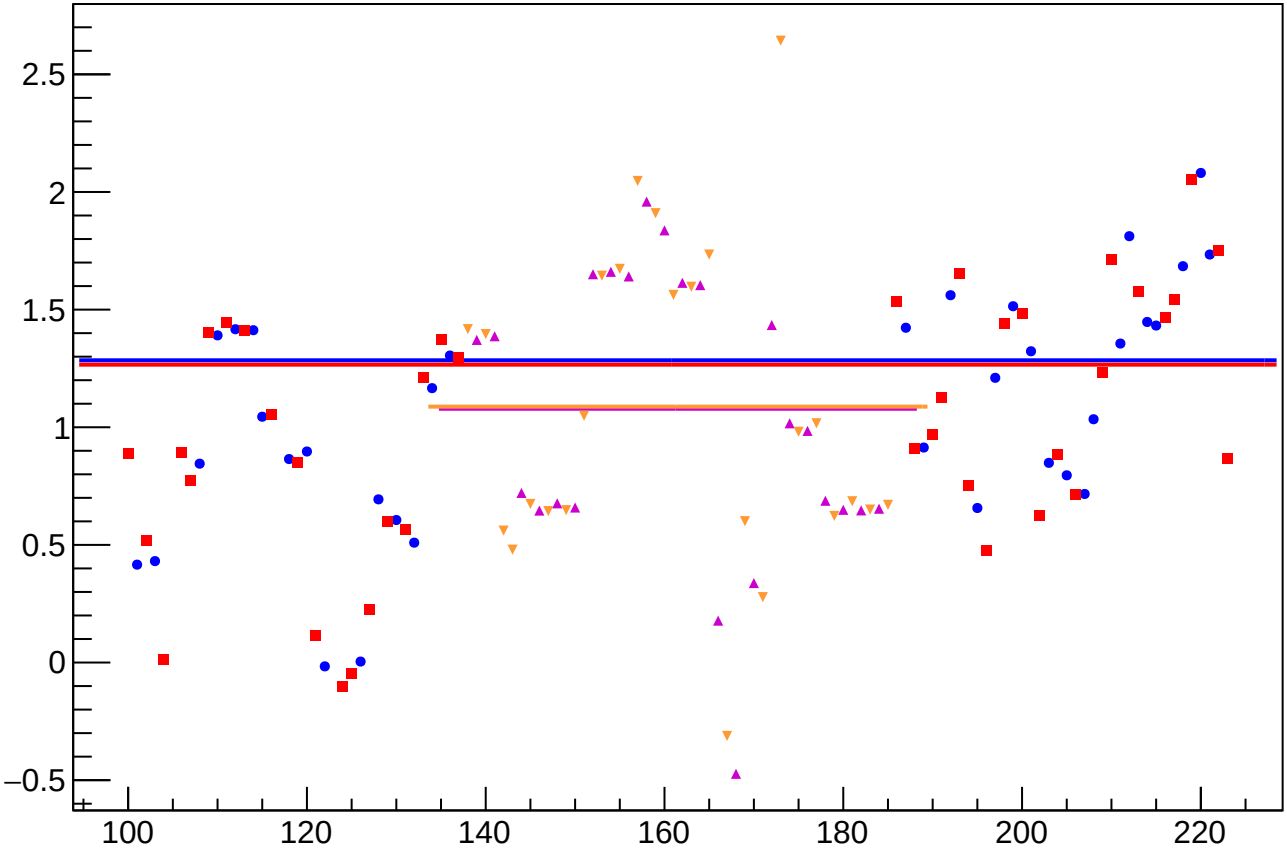
Right: 0.047+/-0.000 χ^2/NDF: 12865011.6/72

In: 0.040+/-0.000 χ^2/NDF:8863416.1/56

Out: 0.040+/-0.000 χ^2/NDF:8292753.4/63

All: 0.040+/-0.000 χ^2/NDF: 17158576.7/120

yield_bpm12Y_mean vs Slug, Sign Corrected



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

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

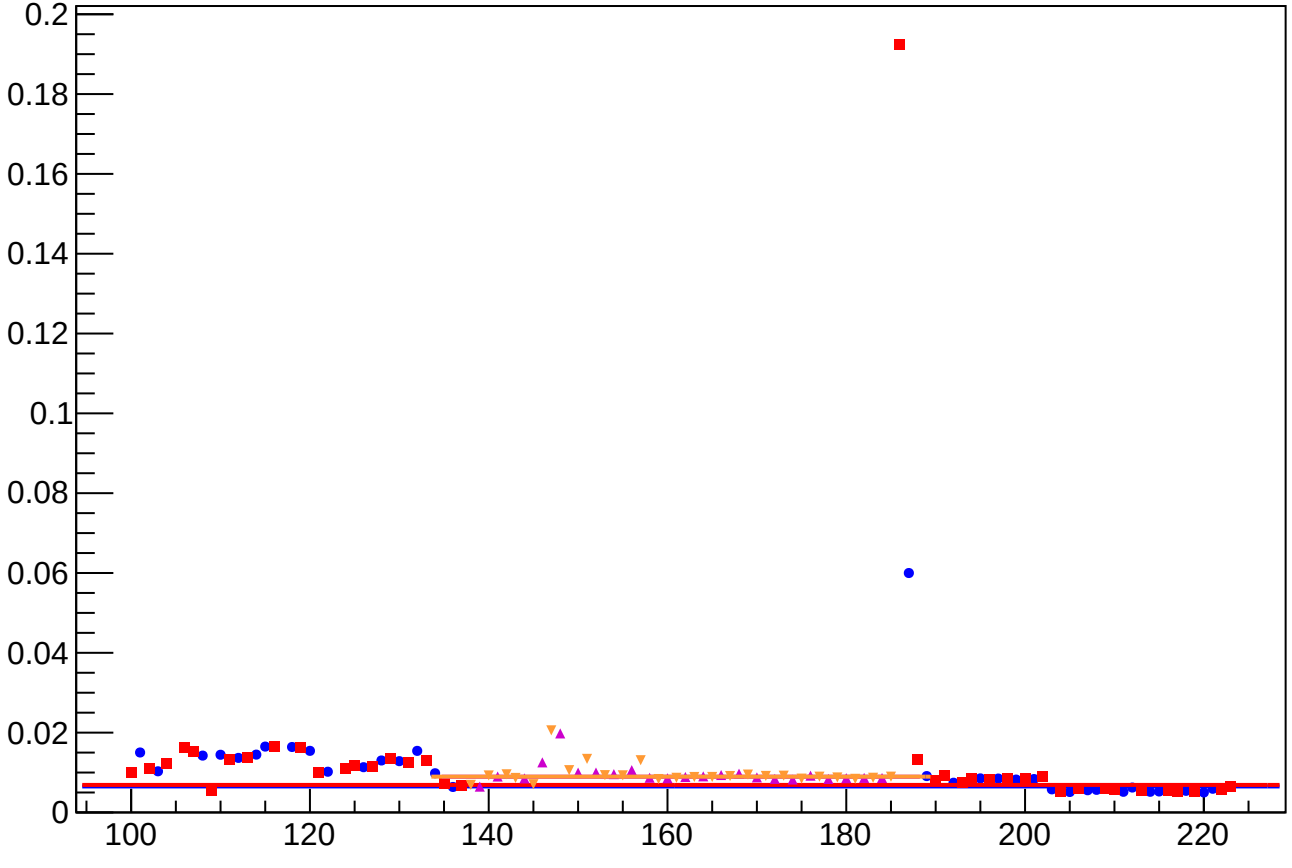
Right: 1.276+/-0.000 χ^2/NDF: 182434913128.7/72

In: 1.217+/-0.000 χ^2/NDF:169031752565.2/56

Out: 1.201+/-0.000 χ^2/NDF:191832515321.3/63

All: 1.209+/-0.000 χ^2/NDF: 360938753870.9

yield_bpm12Y_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

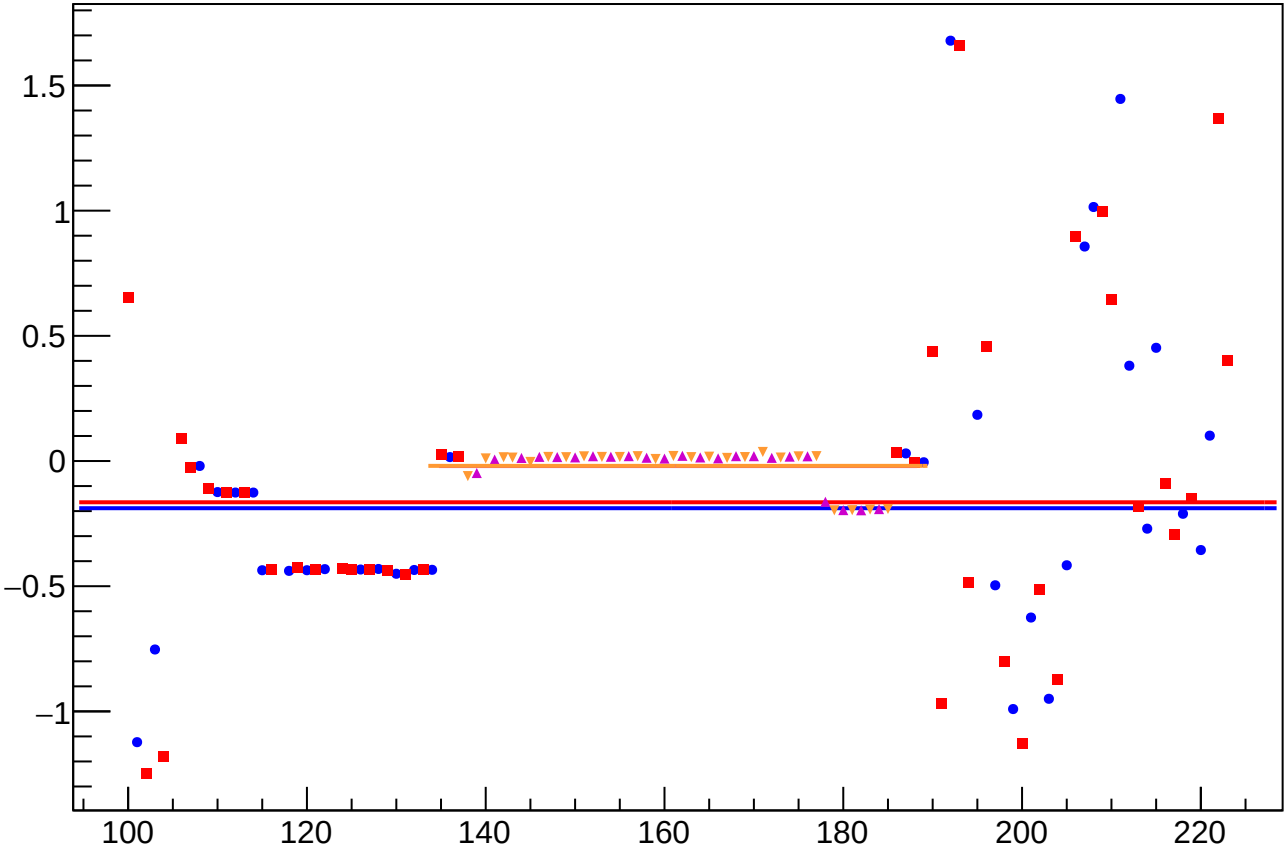
Right: 0.007+/-0.000 χ^2/NDF: 9373804.7/72

In: 0.007+/-0.000 χ^2/NDF:7111633.0/56

Out: 0.008+/-0.000 χ^2/NDF:7220712.9/63

All: 0.007+/-0.000 χ^2/NDF: 14401994.7/120

yield_bpm16X_mean vs Slug, Sign Corrected



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

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

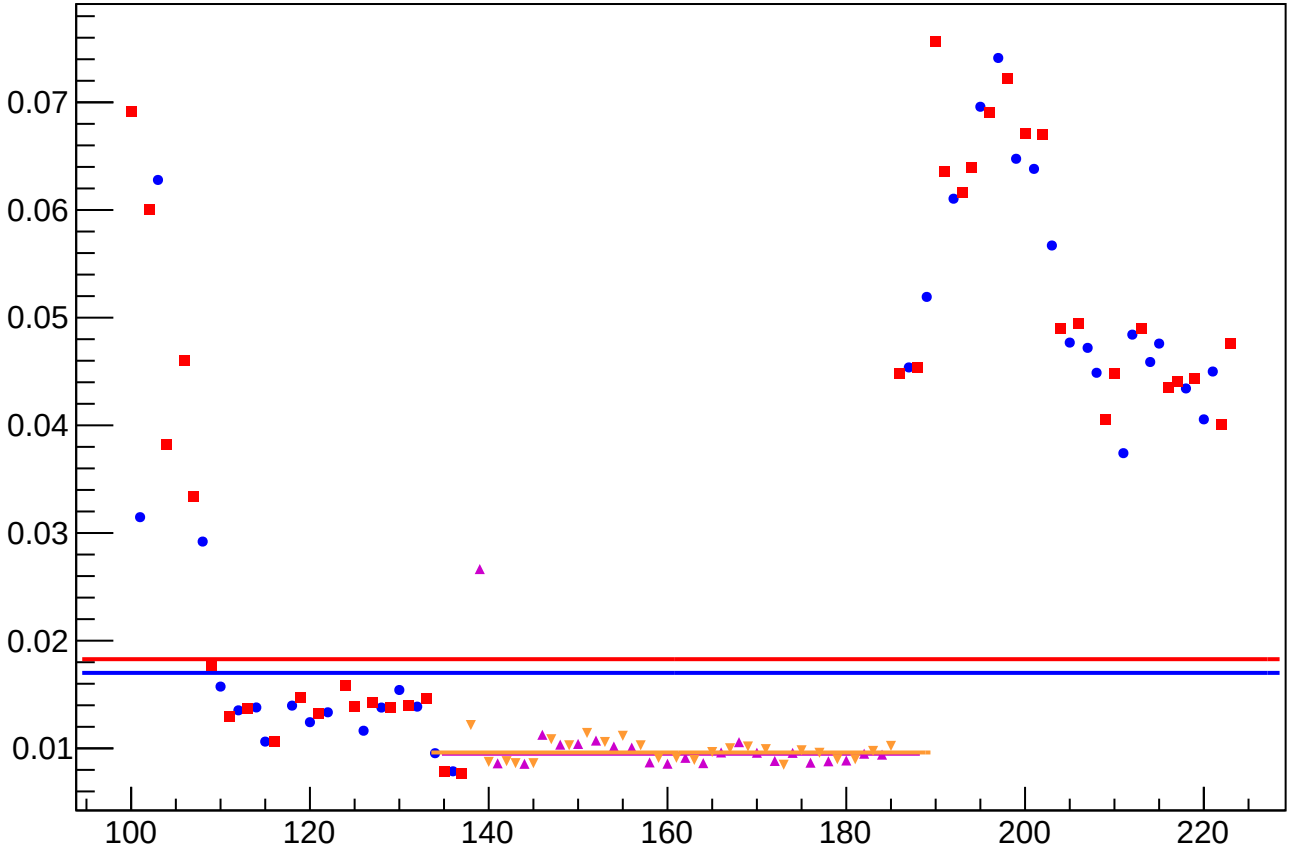
Right: -0.177+/-0.000 χ^2/NDF: 12165219836.7/72

In: -0.053+/-0.000 χ^2/NDF:8194927614.1/56

Out: -0.045+/-0.000 χ^2/NDF:7599807759.4/63

All: -0.049+/-0.000 χ^2/NDF: 15802300667.5/

yield_bpm16X_rms vs Slug, Sign Corrected



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

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

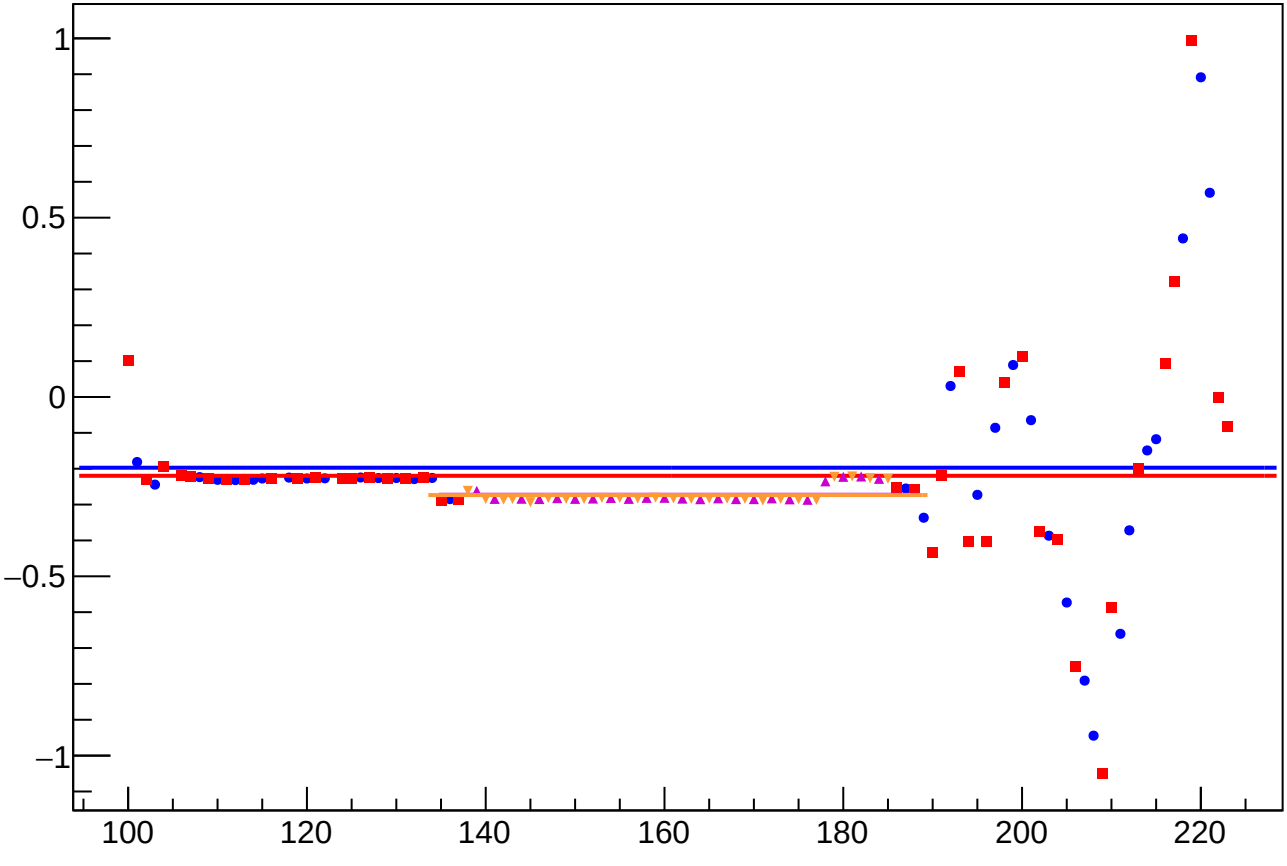
Right: 0.018+/-0.000 χ^2/NDF: 33144155.7/72

In: 0.011+/-0.000 χ^2/NDF:21051760.4/56

Out: 0.011+/-0.000 χ^2/NDF:21603573.0/63

All: 0.011+/-0.000 χ^2/NDF: 42660510.4/120

yield_bpm16Y_mean vs Slug, Sign Corrected



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

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

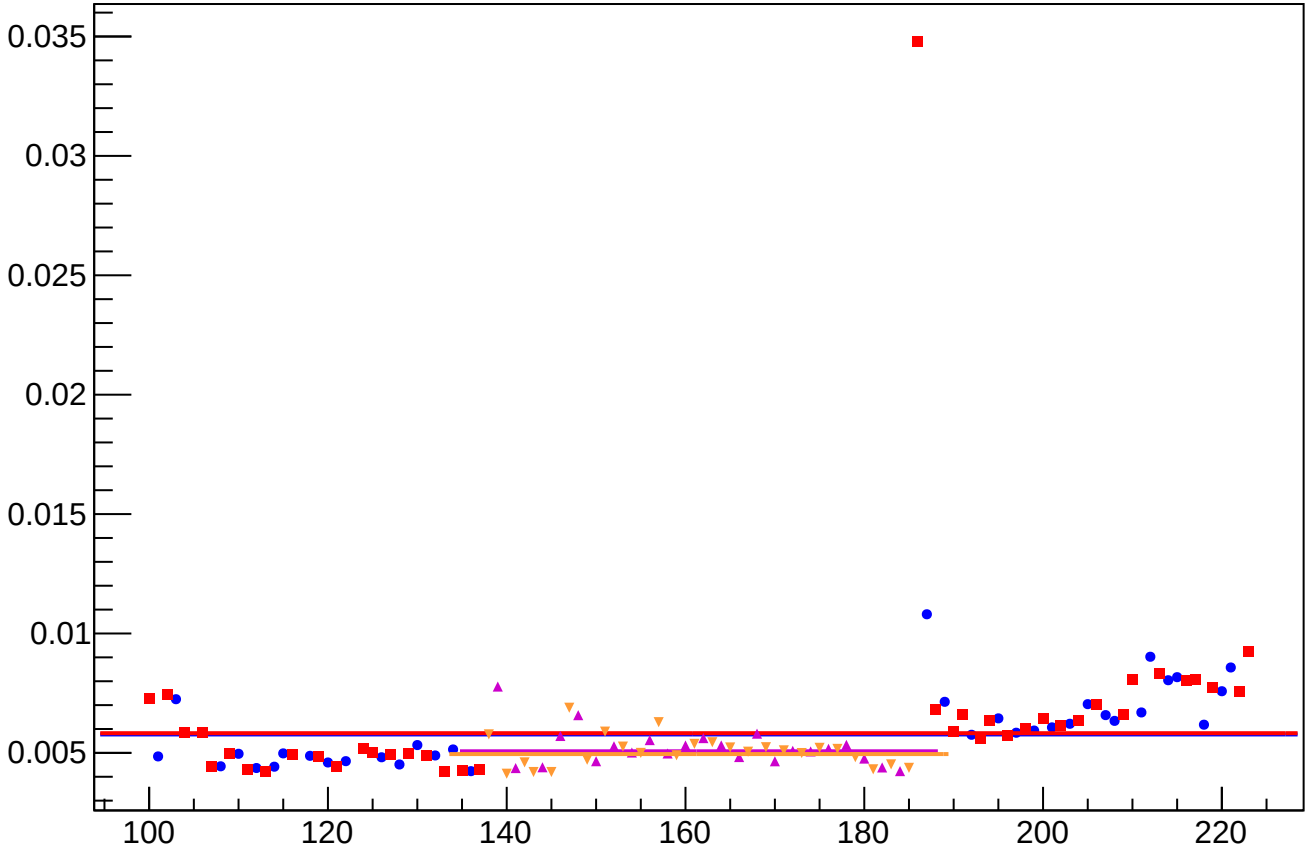
Right: -0.209+/-0.000 χ^2/NDF: 118590723100.9/72

In: -0.237+/-0.000 χ^2/NDF:65669936173.7/56

Out: -0.249+/-0.000 χ^2/NDF:56239572935.2/63

All: -0.244+/-0.000 χ^2/NDF: 122004747522.

yield_bpm16Y_rms vs Slug, Sign Corrected



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

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

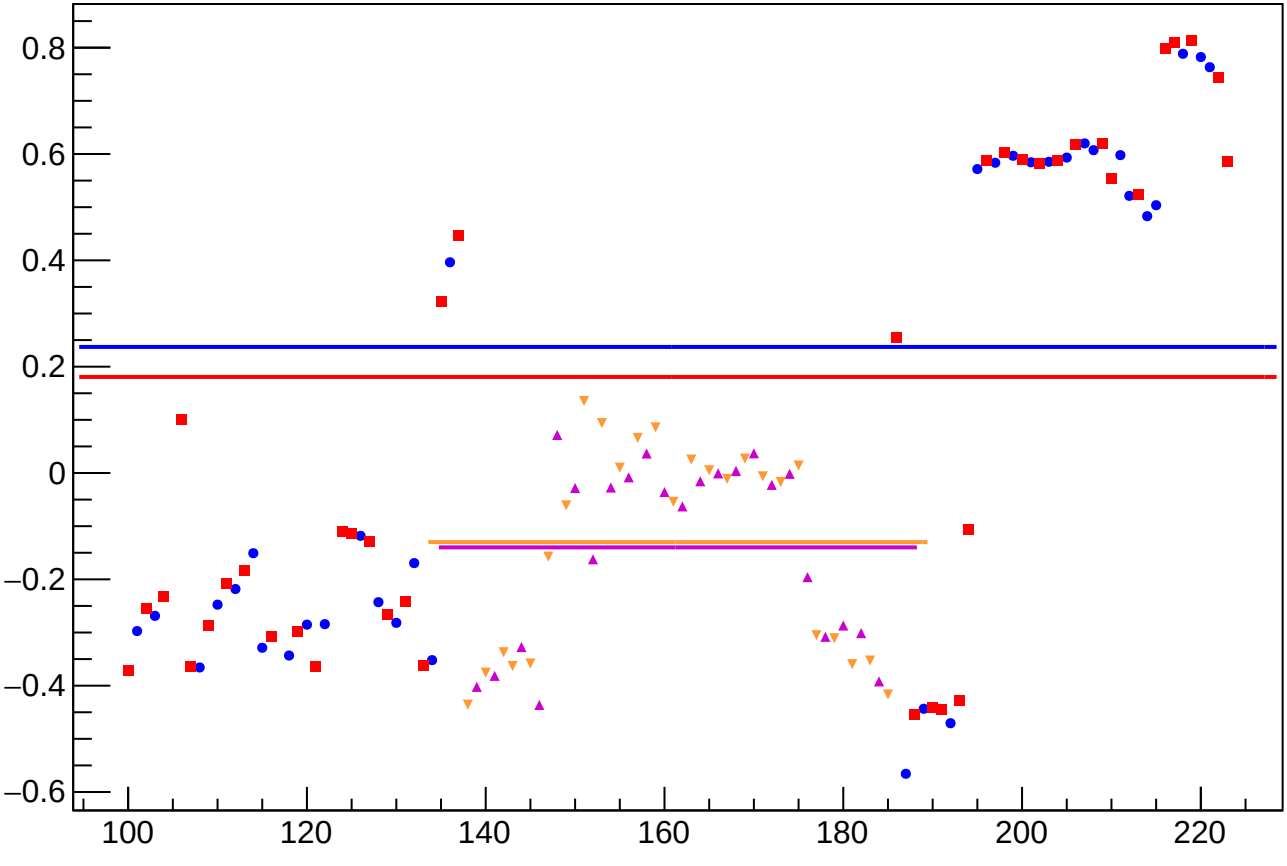
Right: 0.006+/-0.000 χ^2/NDF: 4279447.6/72

In: 0.005+/-0.000 χ^2/NDF:2686721.1/56

Out: 0.005+/-0.000 χ^2/NDF:3476725.6/63

All: 0.005+/-0.000 χ^2/NDF: 6167359.4/120

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.237+/-0.000 χ^2/NDF: 88652561949.0/33

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.181+/-0.000 χ^2/NDF: 95970674259.1/38

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

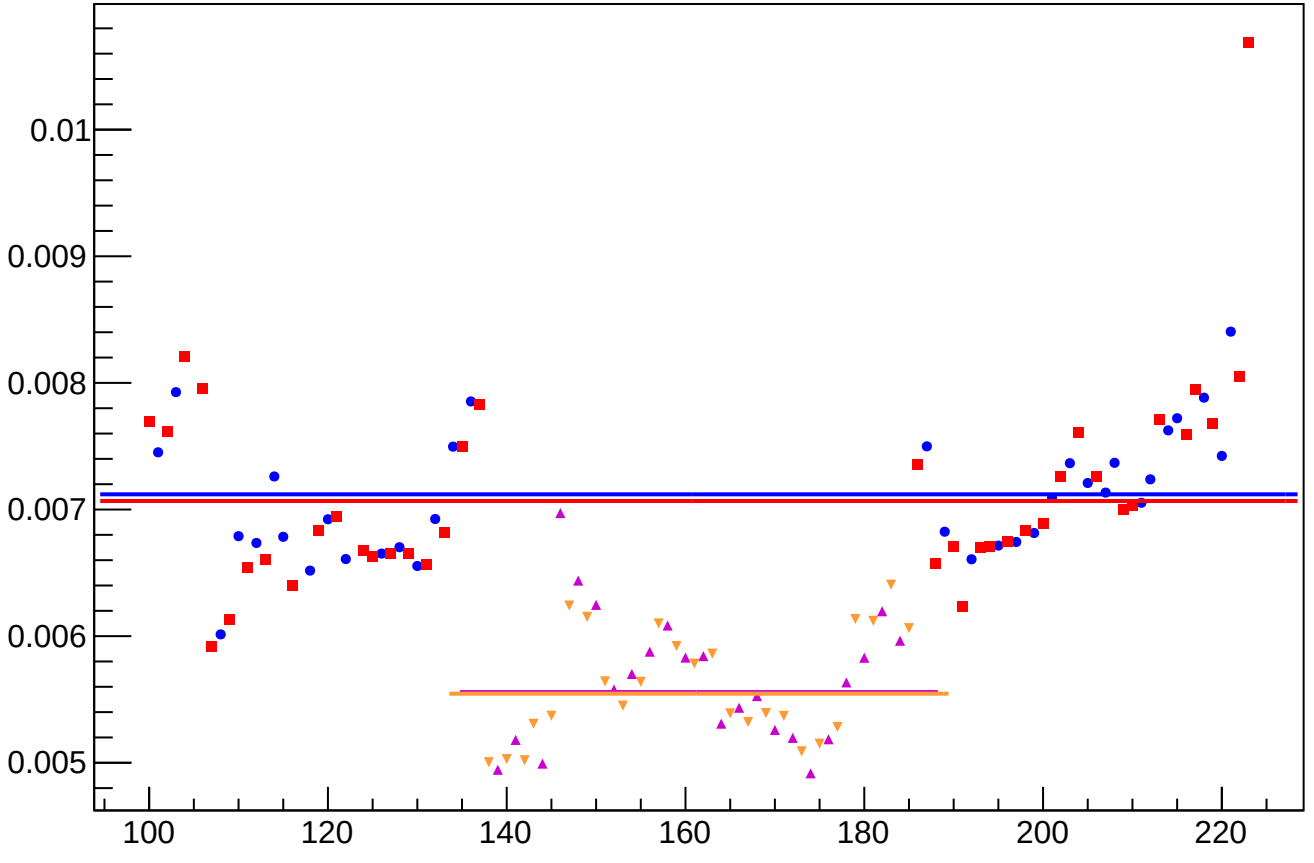
Right: 0.208+/-0.000 χ^2/NDF: 185317006899.3/72

In: 0.023+/-0.000 χ^2/NDF:138164754334.7/56

Out: 0.003+/-0.000 χ^2/NDF:142069355918.6/63

All: 0.013+/-0.000 χ^2/NDF: 280443152650.1

yield_bpm0i02X_rms vs Slug, Sign Corrected



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

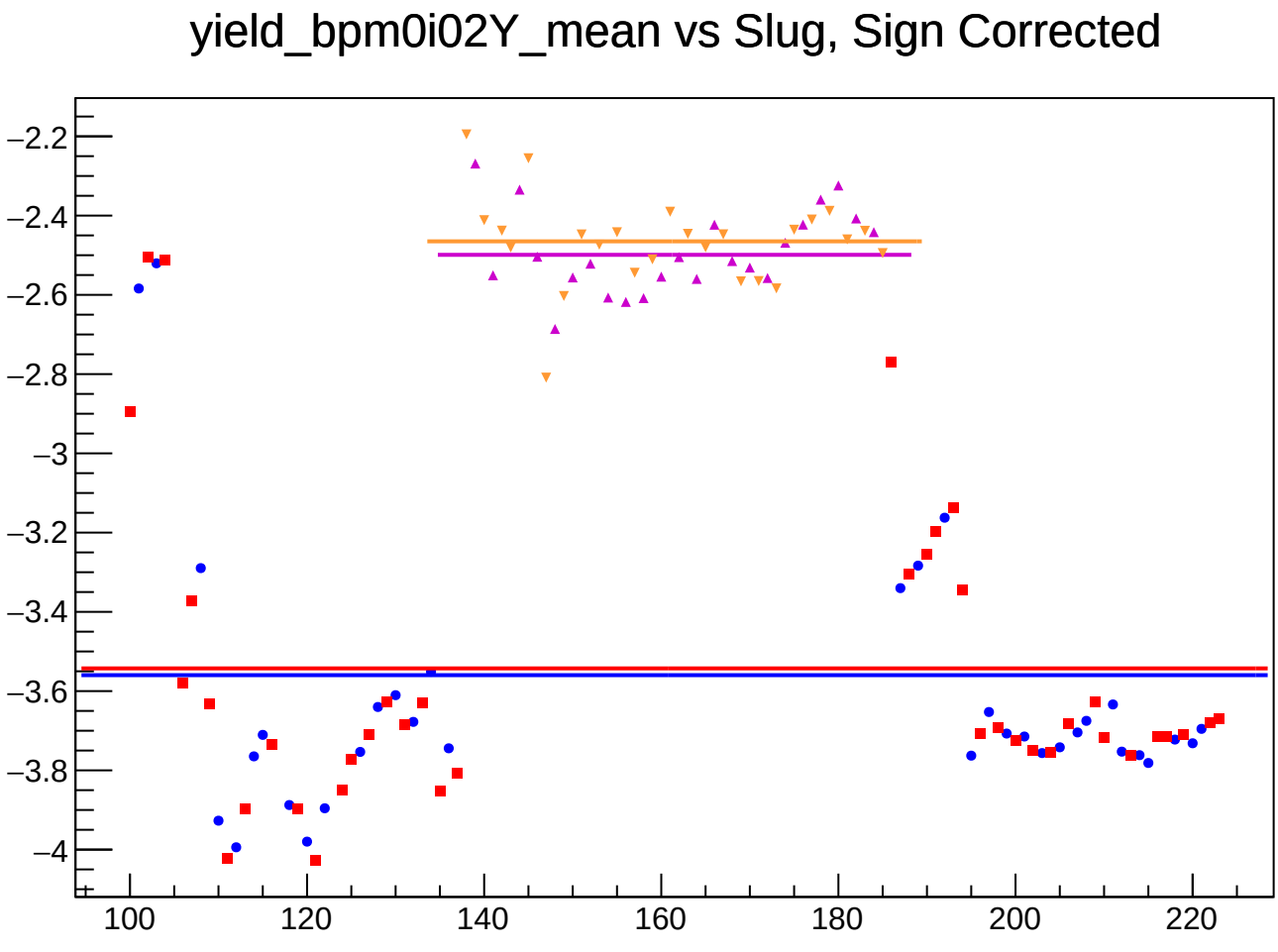
Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

Right: 0.007+/-0.000 χ^2/NDF: 567038.3/72

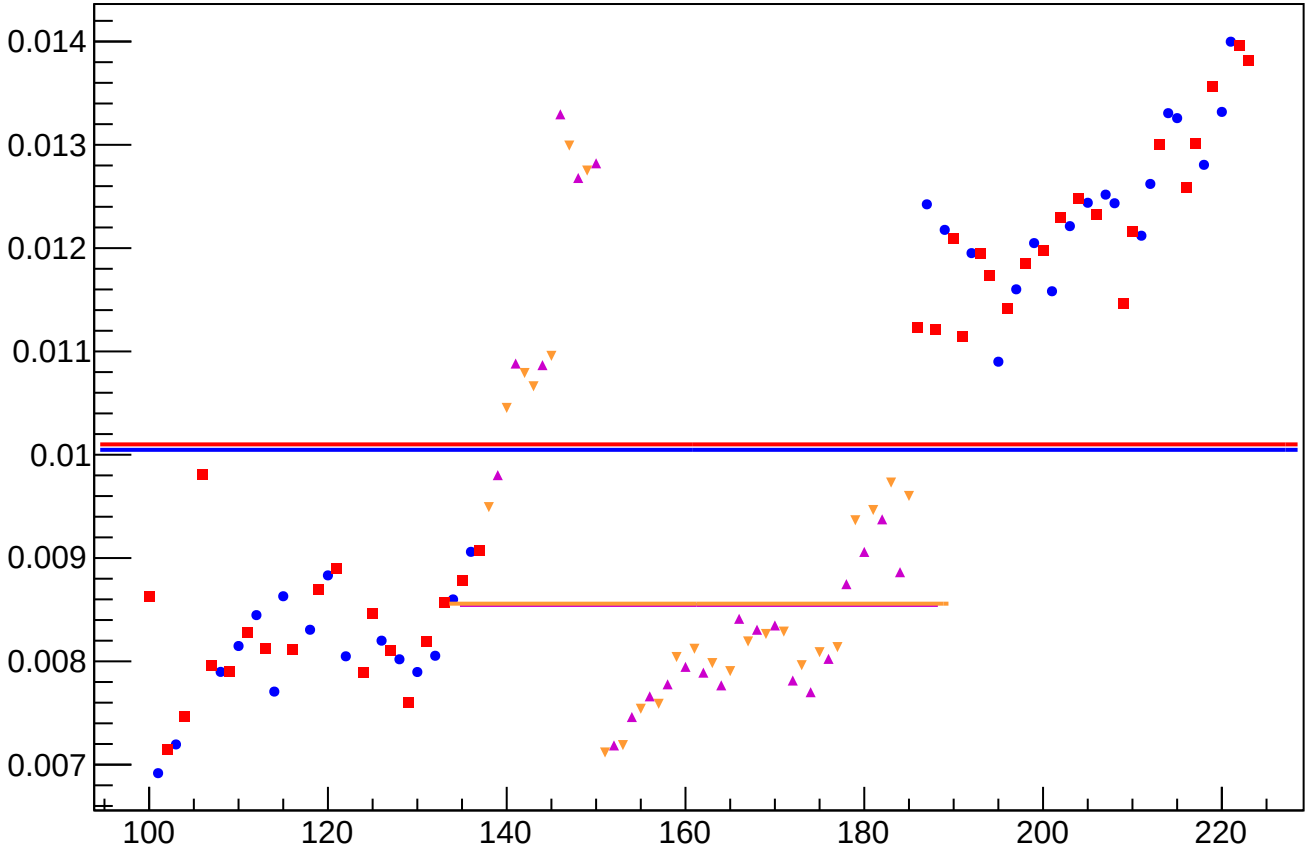
In: 0.006+/-0.000 χ^2/NDF:1653078.3/56

Out: 0.006+/-0.000 χ^2/NDF:1735437.9/63

All: 0.006+/-0.000 χ^2/NDF: 3389953.7/120


yield_bpm0i02Y_mean vs Slug, Sign Corrected
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
120
140
160
180
200
220
Right In: -3.560+/-0.000 χ²/NDF: 34084894611.5/33
Left Out: -2.465+/-0.000 χ²/NDF:2167098053.0/24
Right Out: -3.543+/-0.000 χ²/NDF: 35811808711.7/38
Left In: -2.499+/-0.000 χ²/NDF:2273256162.3/22
Left: -2.482+/-0.000 χ²/NDF: 4579764851.4/47
Right: -3.551+/-0.000 χ²/NDF: 69926841021.2/72
In: -2.993+/-0.000 χ²/NDF:158936899084.1/56
Out: -2.960+/-0.000 χ²/NDF:169641590367.5/63
All: -2.976+/-0.000 χ²/NDF: 328822061027.1

yield_bpm0i02Y_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

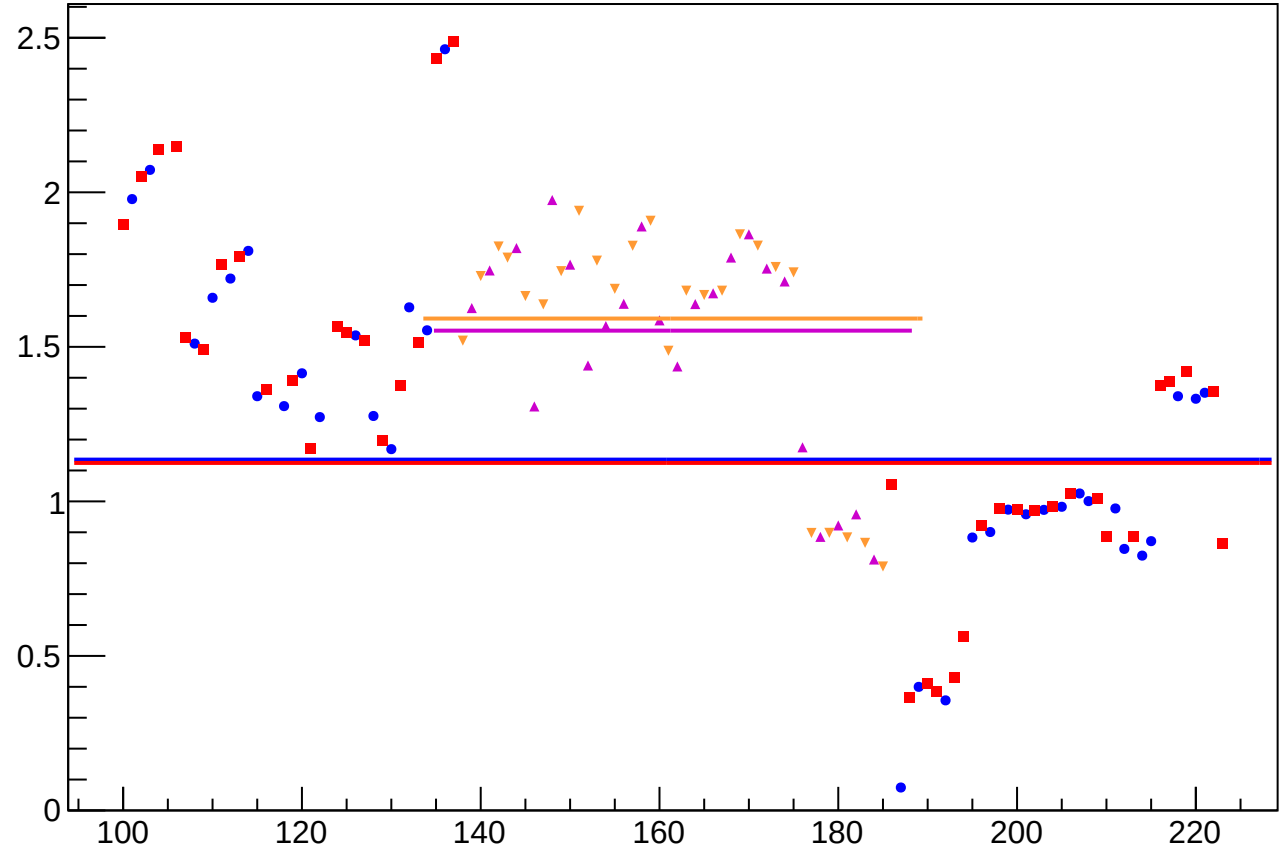
Right: 0.010+/-0.000 χ^2/NDF: 4066177.4/72

In: 0.009+/-0.000 χ^2/NDF:3518337.7/56

Out: 0.009+/-0.000 χ^2/NDF:3312310.7/63

All: 0.009+/-0.000 χ^2/NDF: 6830852.8/120

yield_bpm0i02aX_mean vs Slug, Sign Corrected



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

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

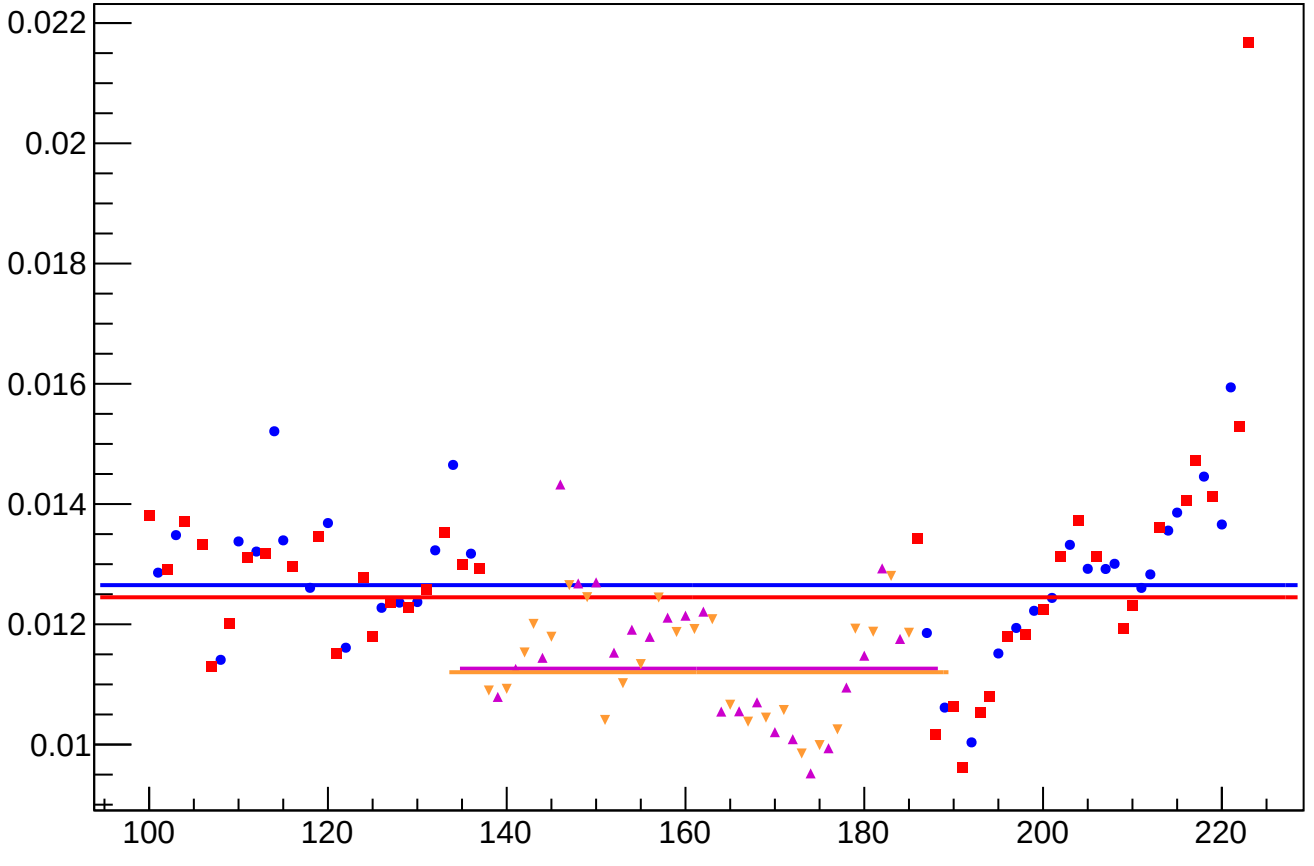
Right: 1.130+/-0.000 χ^2/NDF: 67460866078.6/72

In: 1.346+/-0.000 χ^2/NDF:57111761642.9/56

Out: 1.363+/-0.000 χ^2/NDF:68962036339.3/63

All: 1.355+/-0.000 χ^2/NDF: 126110918299.3

yield_bpm0i02aX_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

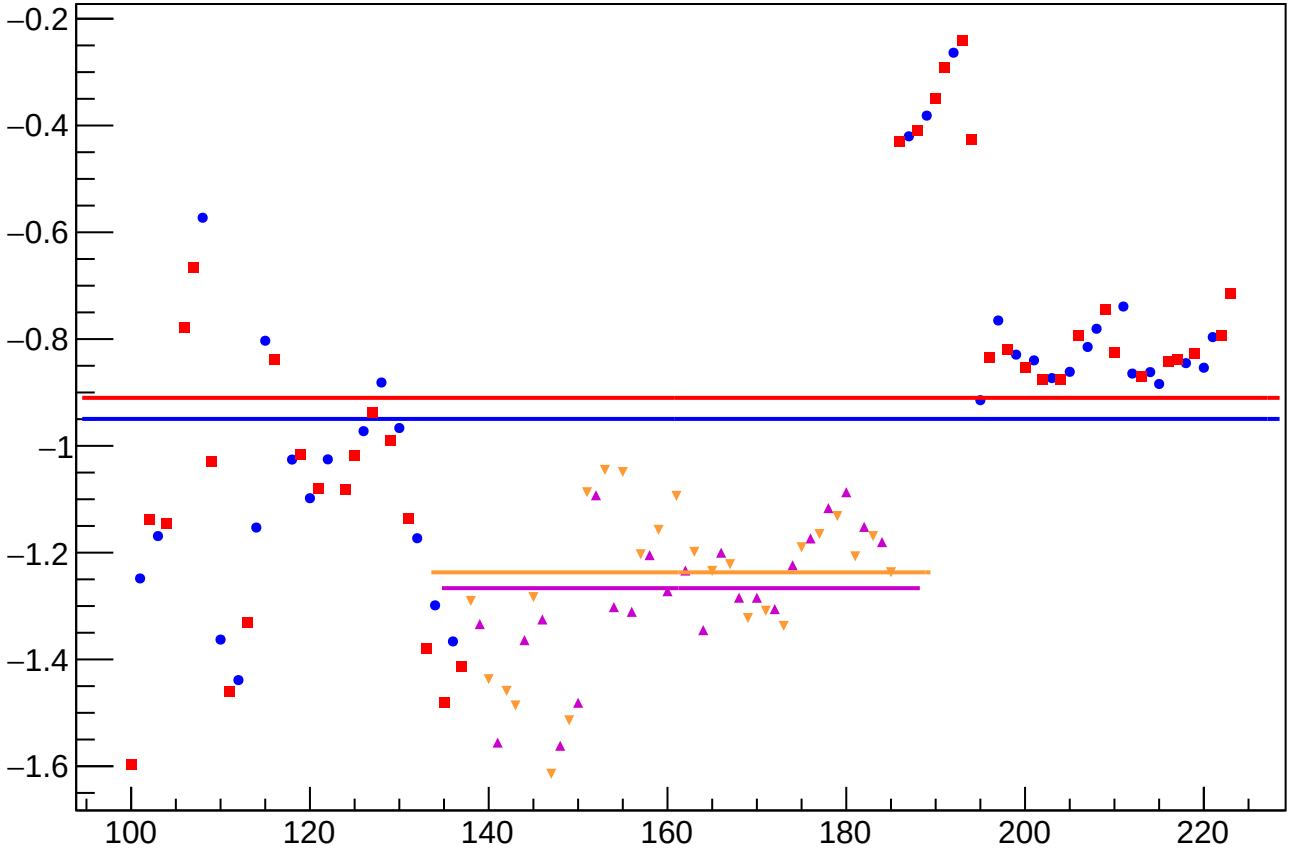
Right: 0.013+/-0.000 χ^2/NDF: 1060211.9/72

In: 0.012+/-0.000 χ^2/NDF:969761.4/56

Out: 0.012+/-0.000 χ^2/NDF:1104513.3/63

All: 0.012+/-0.000 χ^2/NDF: 2079324.3/120

yield_bpm0i02aY_mean vs Slug, Sign Corrected



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

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

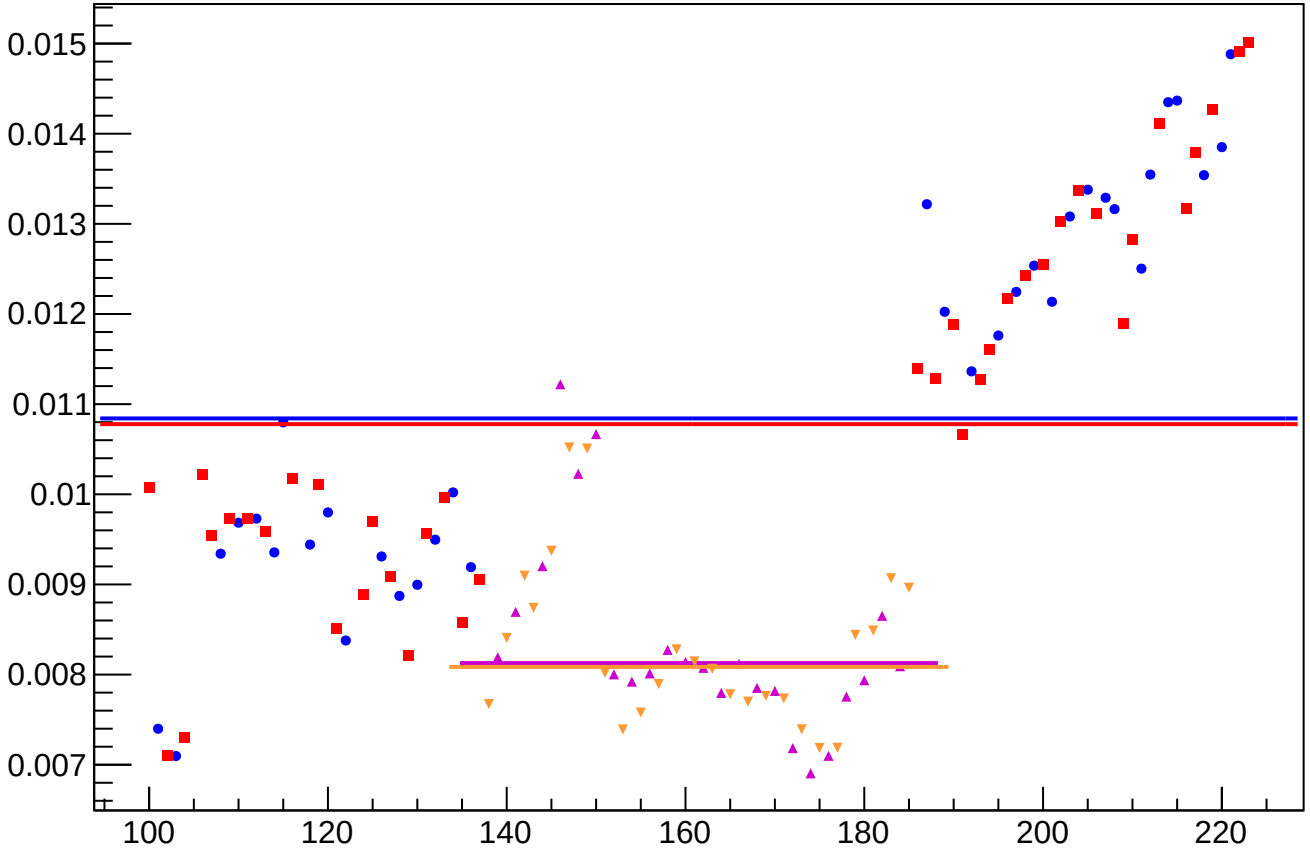
Right: -0.929+/-0.000 χ^2/NDF: 30066182752.2/72

In: -1.139+/-0.000 χ^2/NDF:26877896889.9/56

Out: -1.107+/-0.000 χ^2/NDF:33945222619.9/63

All: -1.122+/-0.000 χ^2/NDF: 61056232624.4/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



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

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

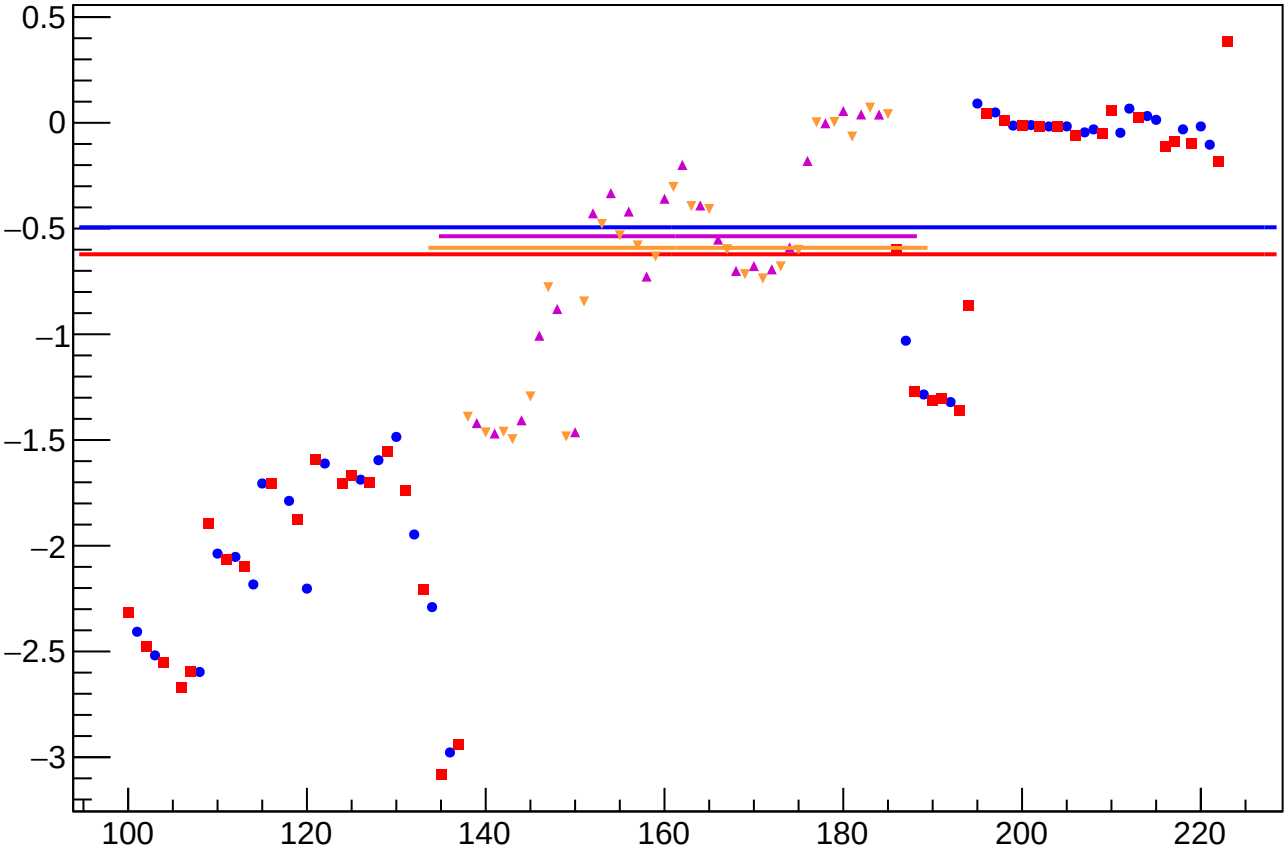
Right: 0.011+/-0.000 χ^2/NDF: 3645224.2/72

In: 0.009+/-0.000 χ^2/NDF:3806098.7/56

Out: 0.009+/-0.000 χ^2/NDF:3708779.9/63

All: 0.009+/-0.000 χ^2/NDF: 7516564.5/120

yield_bpm0i05X_mean vs Slug, Sign Corrected



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

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

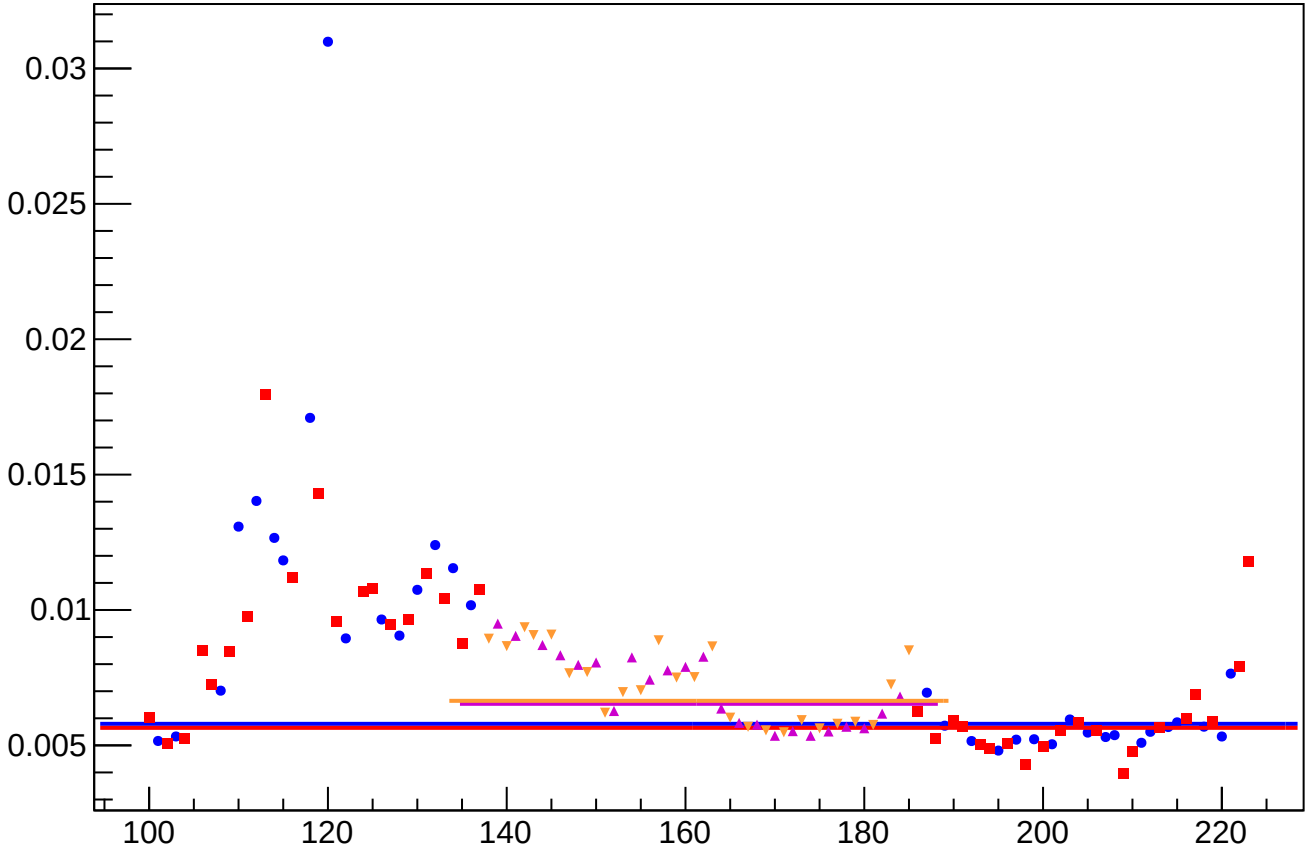
Right: -0.560+/-0.000 χ^2/NDF: 886841293317.3/72

In: -0.511+/-0.000 χ^2/NDF:499841519599.4/56

Out: -0.610+/-0.000 χ^2/NDF:525856608495.7/63

All: -0.562+/-0.000 χ^2/NDF: 1030257622951

yield_bpm0i05X_rms vs Slug, Sign Corrected



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

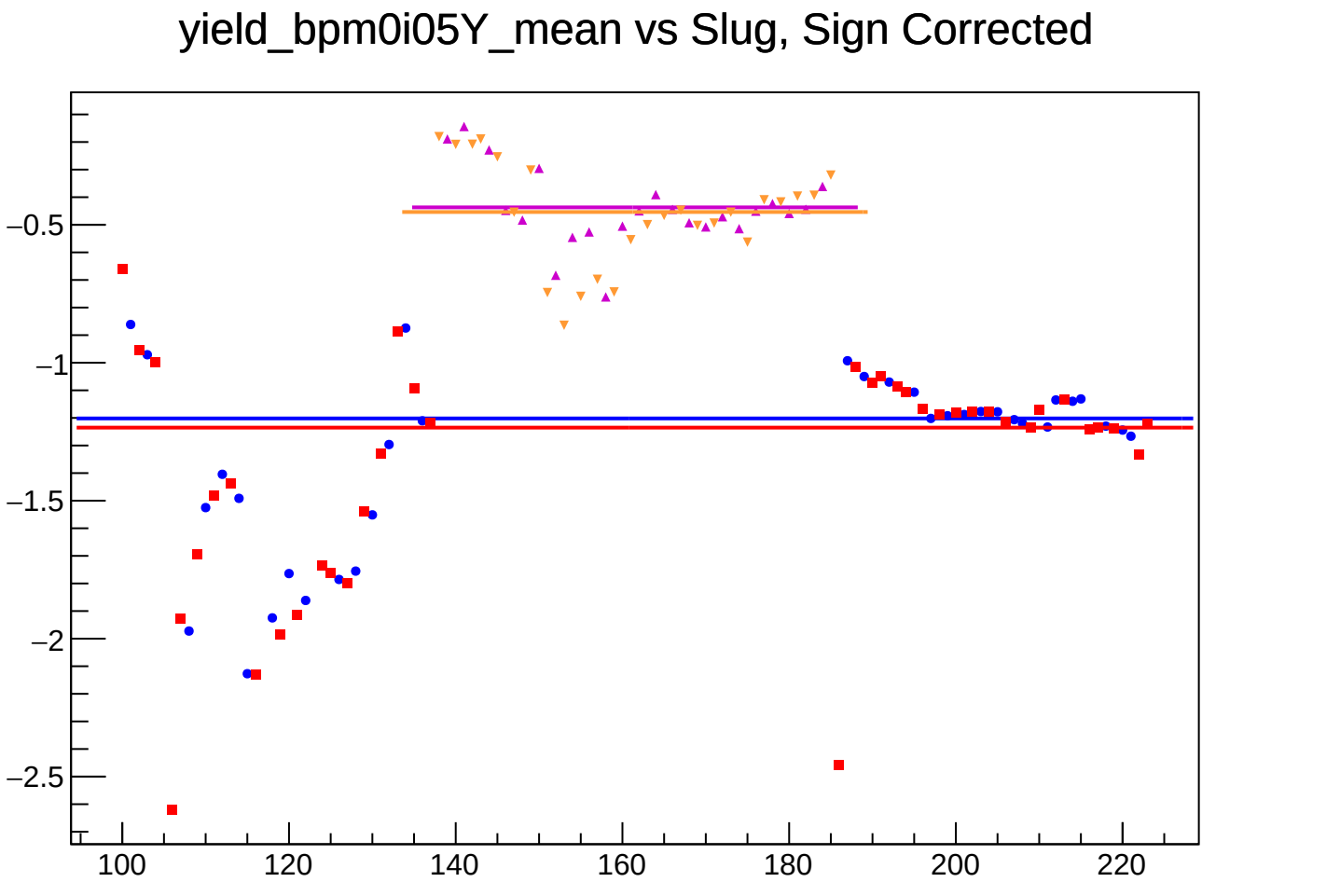
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5734114.6/72

In: 0.006+/-0.000 χ^2/NDF:4046244.1/56

Out: 0.006+/-0.000 χ^2/NDF:4618473.3/63

All: 0.006+/-0.000 χ^2/NDF: 8667762.7/120



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

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

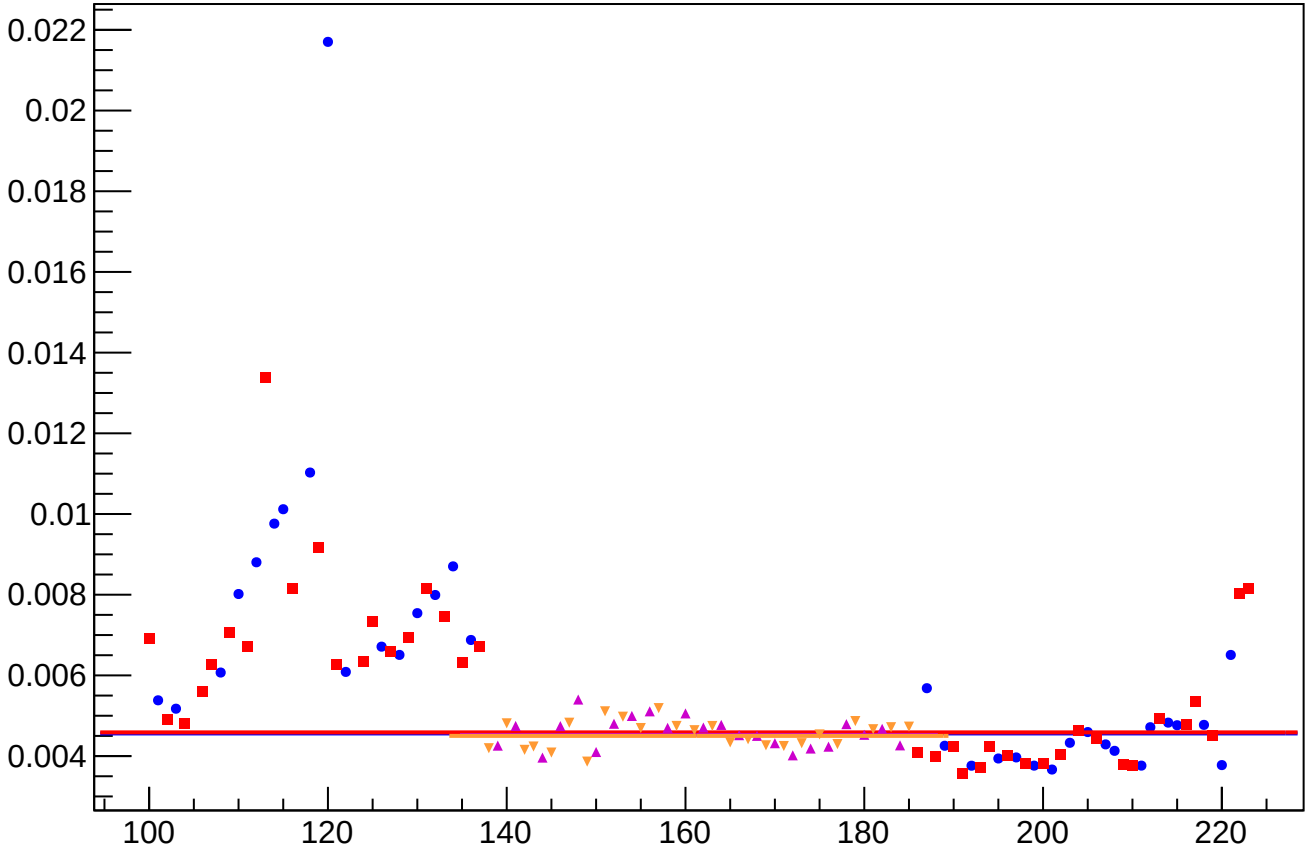
Right: -1.219+/-0.000 χ^2/NDF: 101286851028.2/72

In: -0.833+/-0.000 χ^2/NDF:291597702556.5/56

Out: -0.852+/-0.000 χ^2/NDF:372819904178.1/63

All: -0.843+/-0.000 χ^2/NDF: 664719208883.3

yield_bpm0i05Y_rms vs Slug, Sign Corrected



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

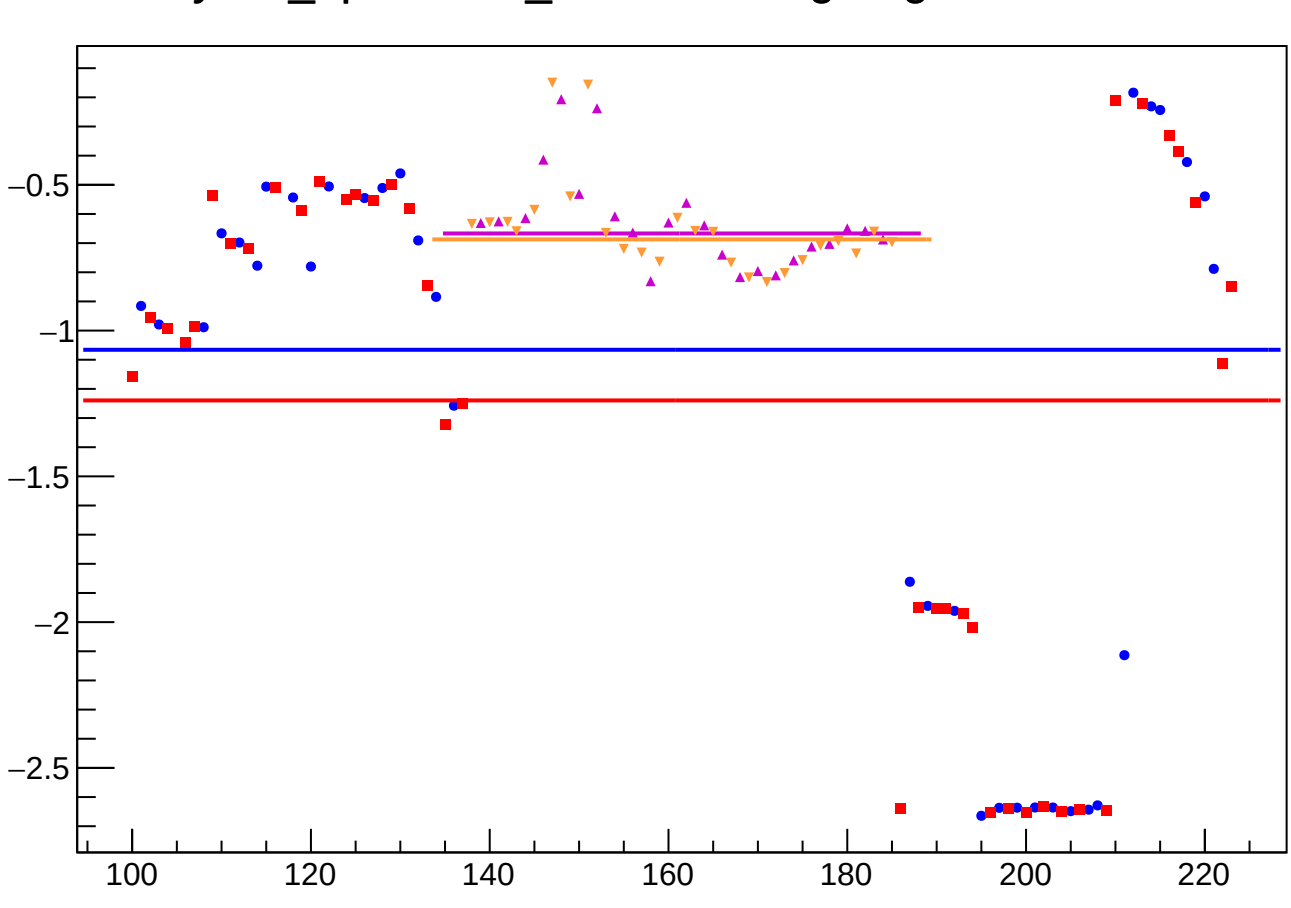
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 4917195.8/72

In: 0.005+/-0.000 χ^2/NDF:2678447.8/56

Out: 0.005+/-0.000 χ^2/NDF:2647430.4/63

All: 0.005+/-0.000 χ^2/NDF: 5325902.2/120



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

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

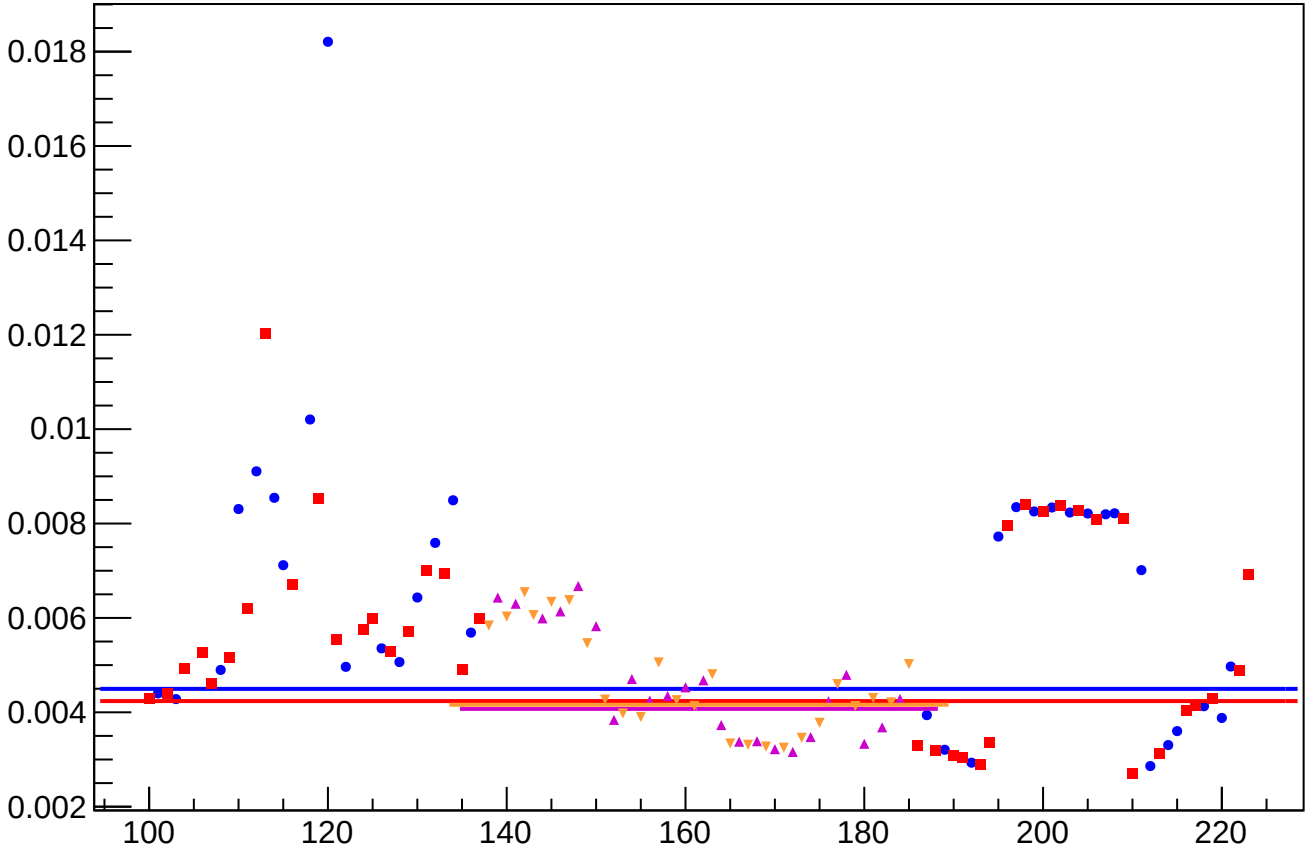
Right: -1.160+/-0.000 χ^2/NDF: 1431623138216.2/7

In: -0.857+/-0.000 χ^2/NDF:742097071162.1/56

Out: -0.972+/-0.000 χ^2/NDF:944150595351.9/63

All: -0.917+/-0.000 χ^2/NDF: 1698721532491

yield_bpm0i07X_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

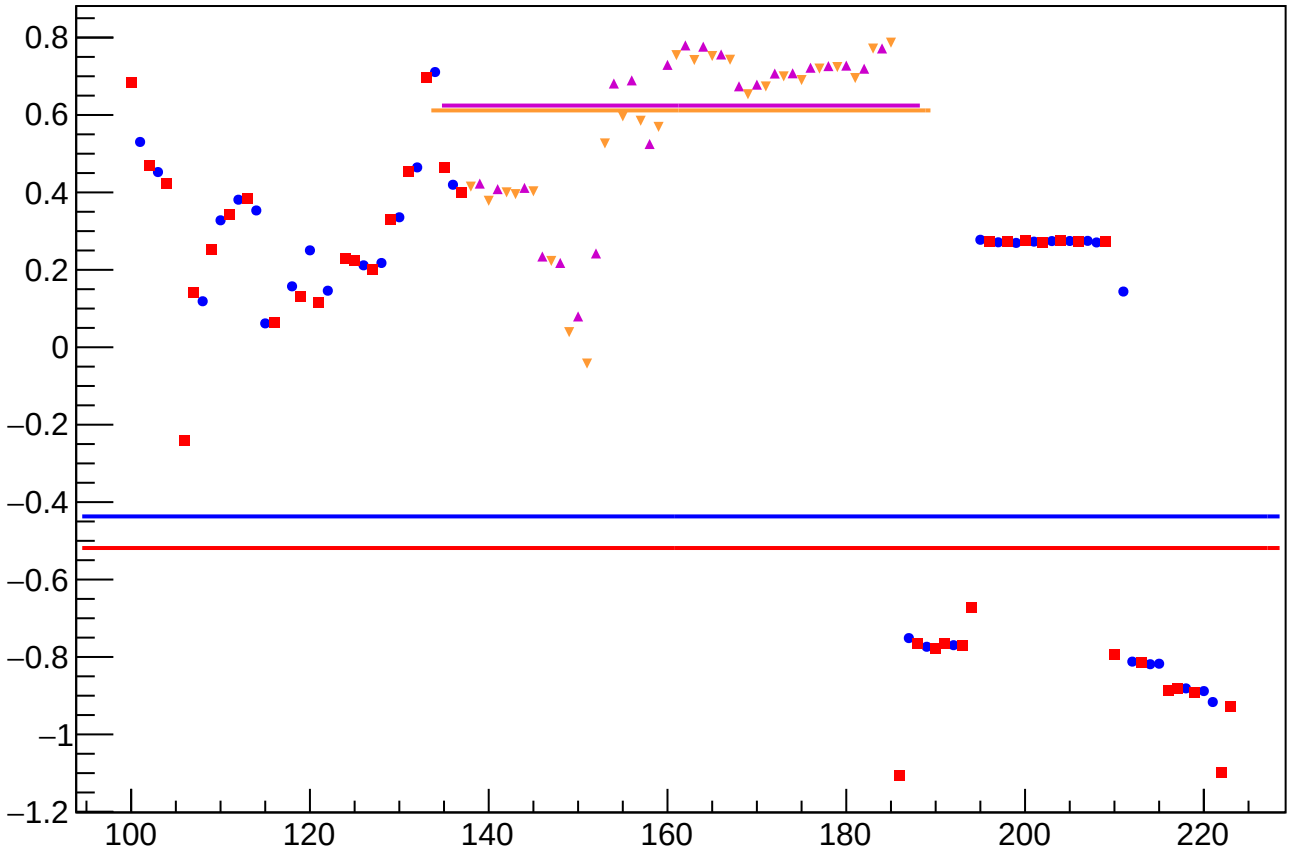
Right: 0.004+/-0.000 χ^2/NDF: 11736252.6/72

In: 0.004+/-0.000 χ^2/NDF:7841936.4/56

Out: 0.004+/-0.000 χ^2/NDF:7270974.8/63

All: 0.004+/-0.000 χ^2/NDF: 15123476.4/120

yield_bpm0i07Y_mean vs Slug, Sign Corrected



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

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

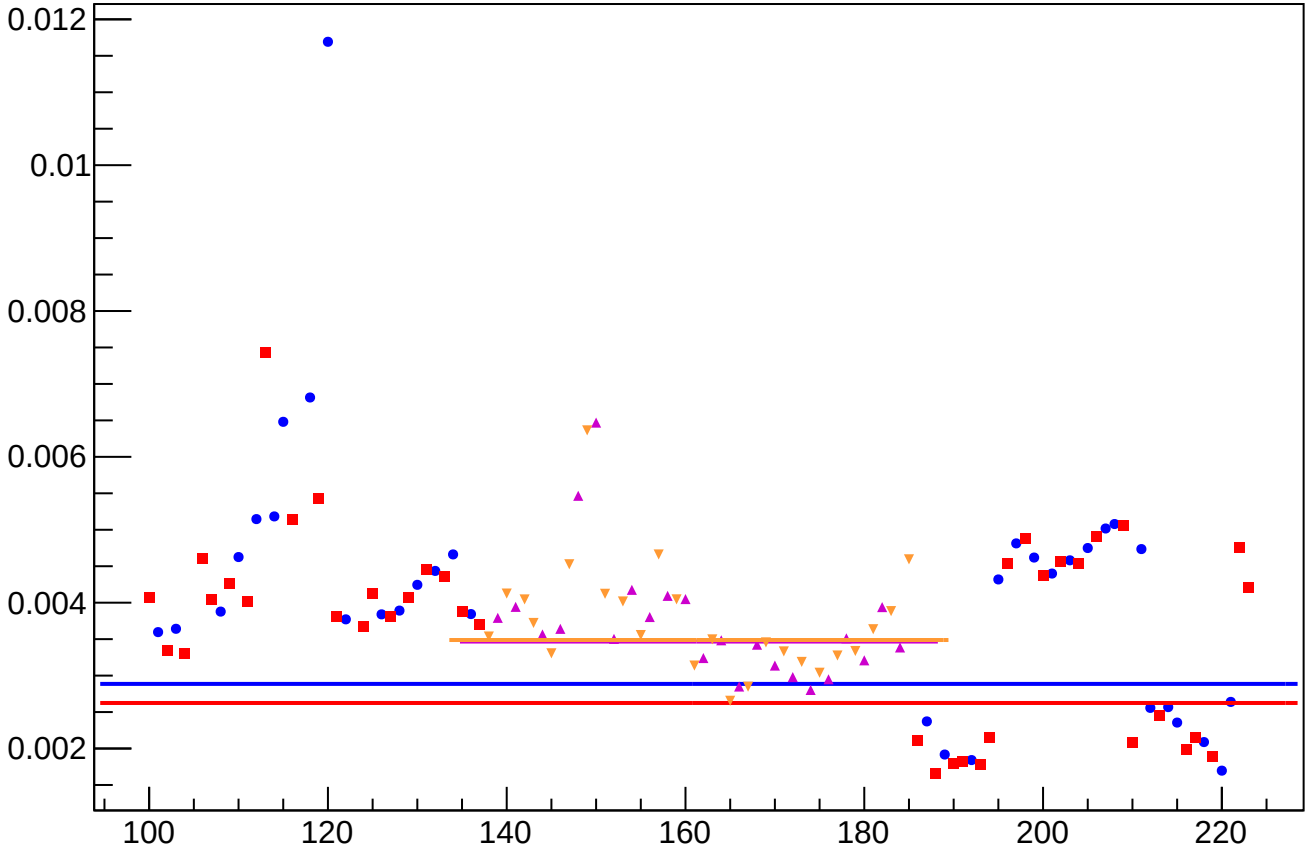
Right: -0.482+/-0.000 χ^2/NDF: 1314174594662.4/7

In: -0.033+/-0.000 χ^2/NDF:1552243861558.4/56

Out: -0.134+/-0.000 χ^2/NDF:1836136955838.8/63

All: -0.087+/-0.000 χ^2/NDF: 3406469640651

yield_bpm0i07Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

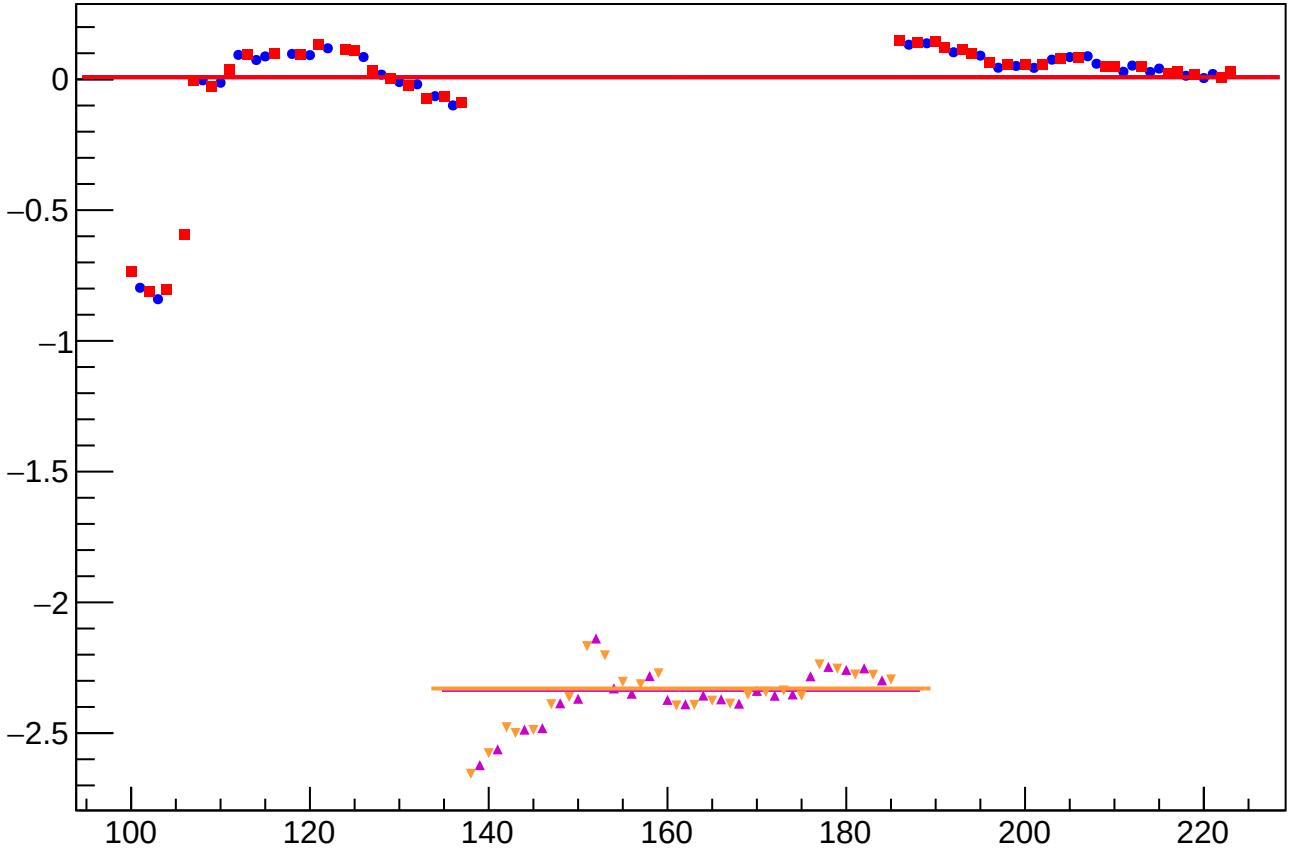
Right: 0.003+/-0.000 χ^2/NDF: 12314760.6/72

In: 0.003+/-0.000 χ^2/NDF:7242983.9/56

Out: 0.003+/-0.000 χ^2/NDF:8486998.8/63

All: 0.003+/-0.000 χ^2/NDF: 15857346.4/120

yield_bpm1i02X_mean vs Slug, Sign Corrected



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

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

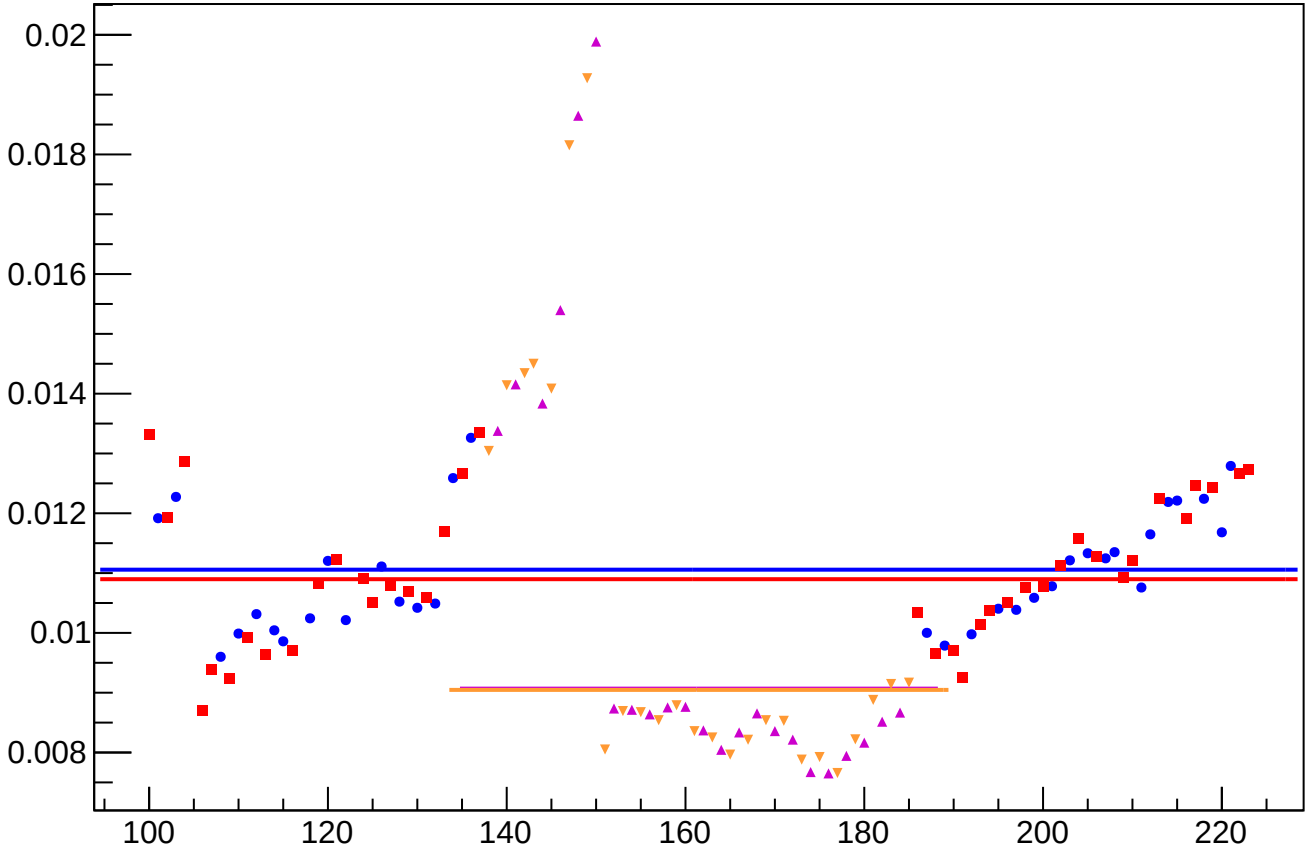
Right: 0.008+/-0.000 χ^2/NDF: 14421118154.5/72

In: -1.256+/-0.000 χ^2/NDF:535310974740.5/56

Out: -1.253+/-0.000 χ^2/NDF:568878471719.0/63

All: -1.255+/-0.000 χ^2/NDF: 1104191758644

yield_bpm1i02X_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

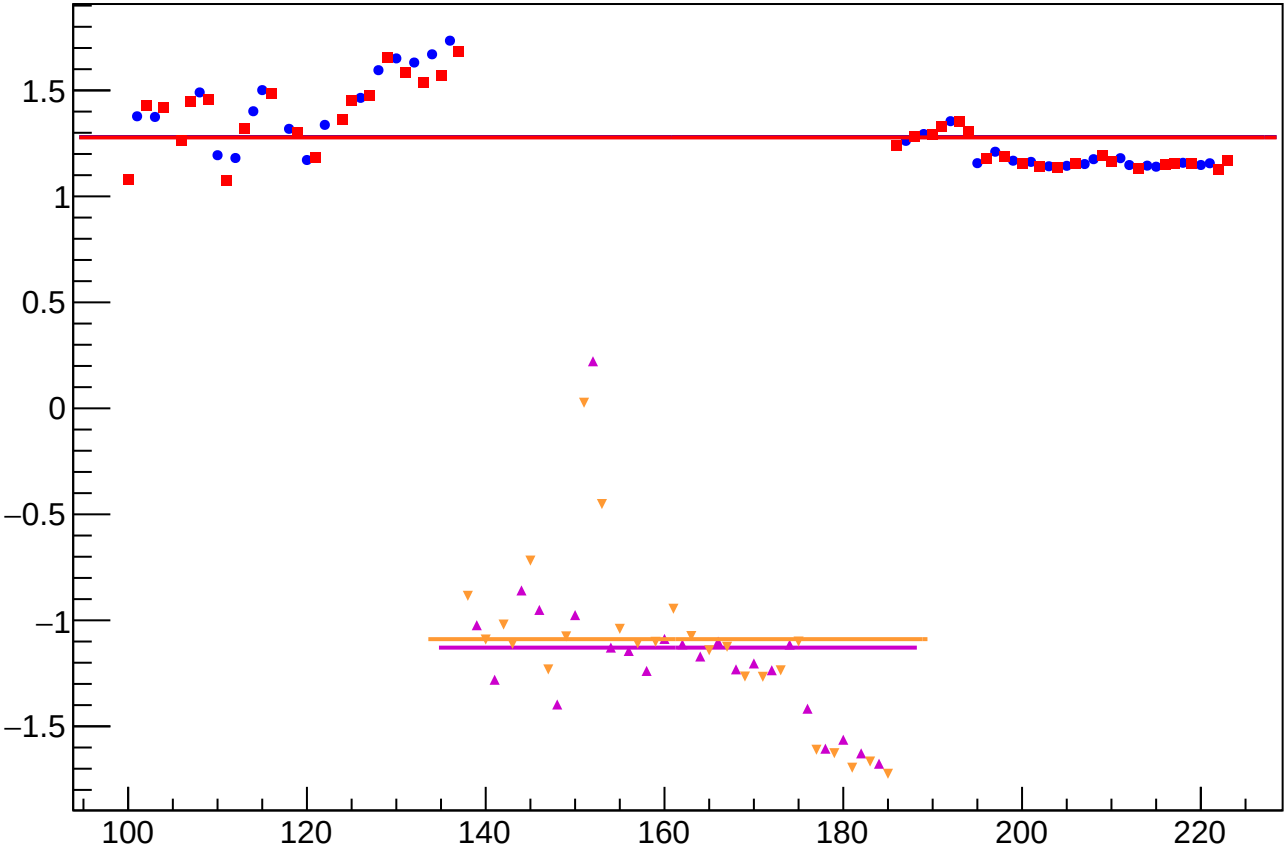
Right: 0.011+/-0.000 χ^2/NDF: 732998.2/72

In: 0.010+/-0.000 χ^2/NDF:3194661.7/56

Out: 0.010+/-0.000 χ^2/NDF:3177454.1/63

All: 0.010+/-0.000 χ^2/NDF: 6374951.7/120

yield_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

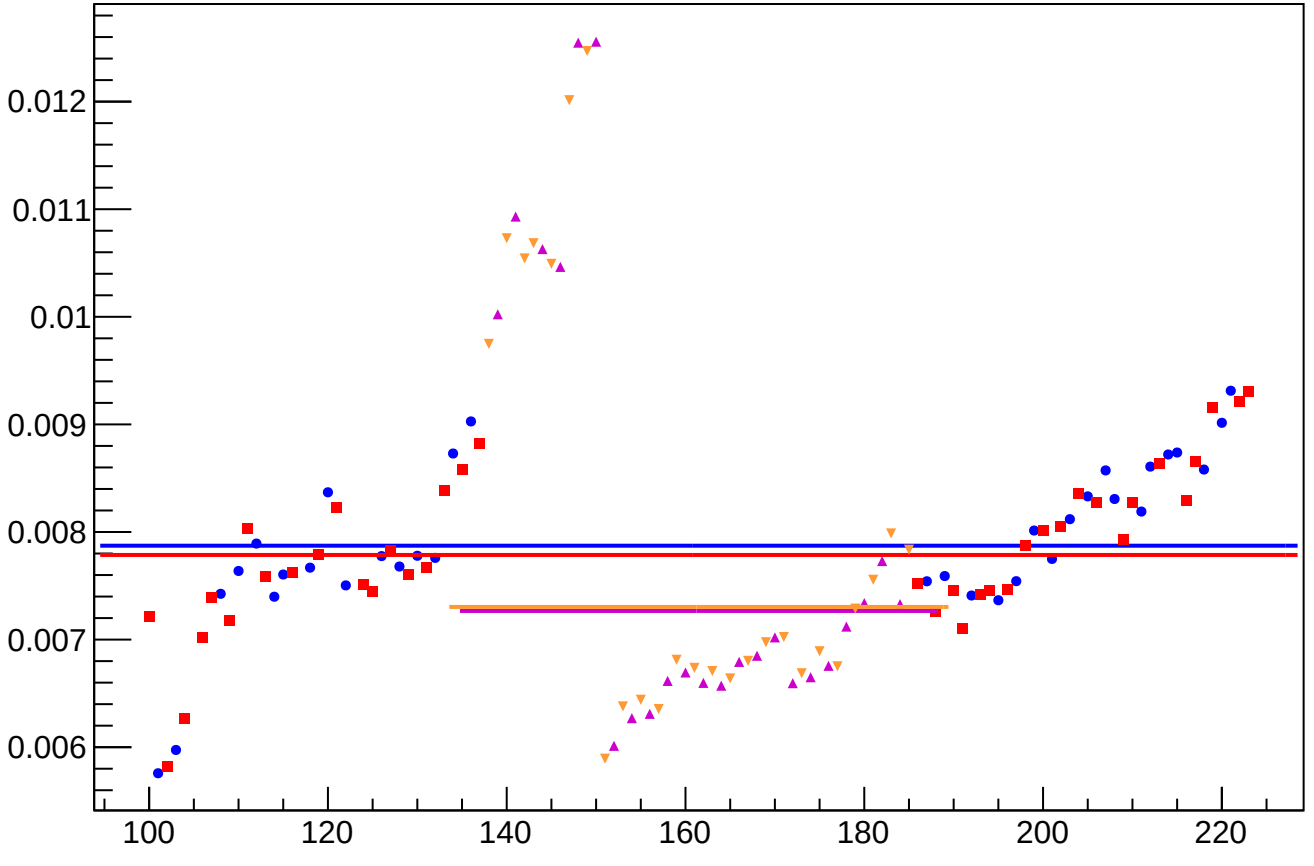
Right: 1.279+/-0.000 χ^2/NDF: 18139181292.2/72

In: 0.109+/-0.000 χ^2/NDF:1055458272885.2/56

Out: 0.138+/-0.000 χ^2/NDF:1074836579123.1/63

All: 0.124+/-0.000 χ^2/NDF: 2130581993837.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

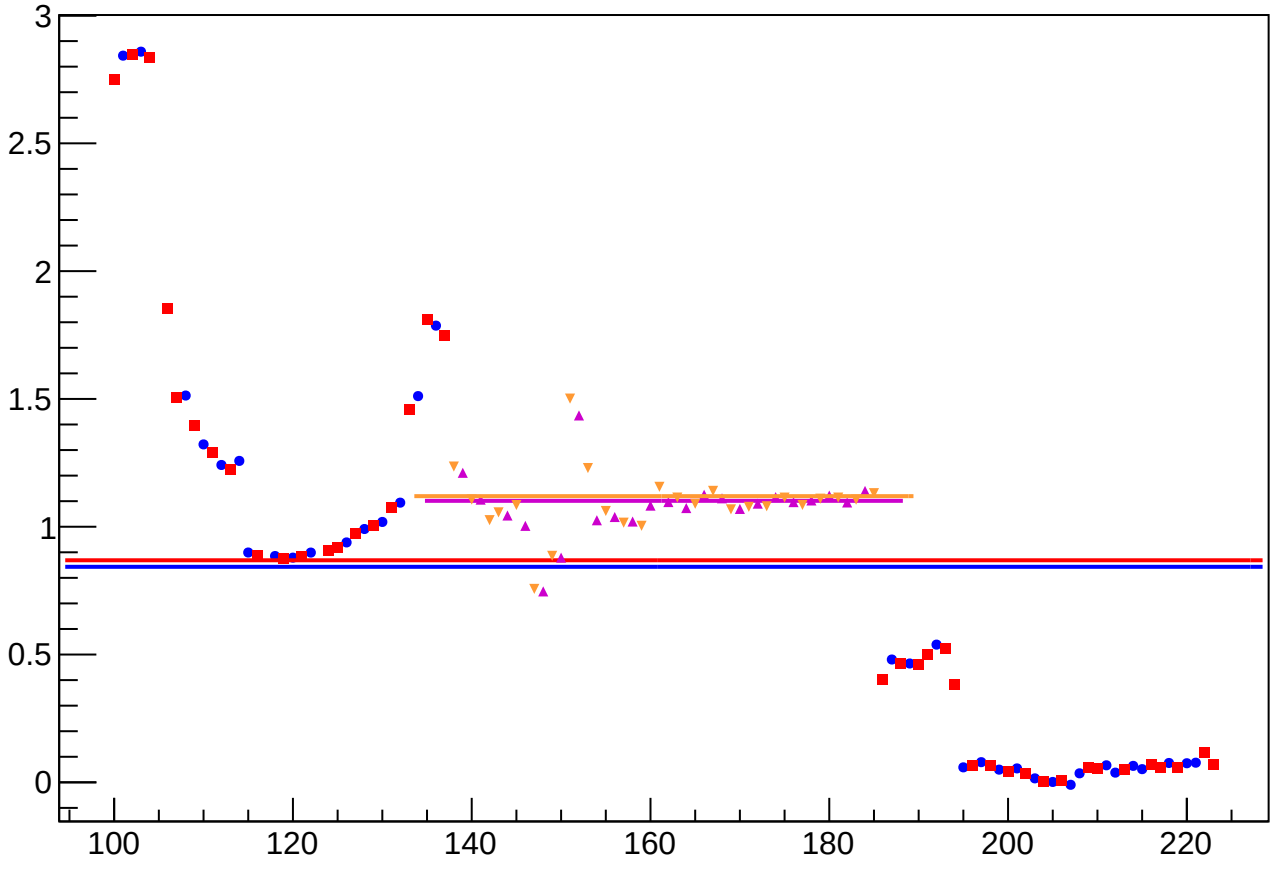
Right: 0.008+/-0.000 χ^2/NDF: 979523.8/72

In: 0.008+/-0.000 χ^2/NDF:2210893.2/56

Out: 0.008+/-0.000 χ^2/NDF:2038954.2/63

All: 0.008+/-0.000 χ^2/NDF: 4250251.2/120

yield_bpm1i04X_mean vs Slug, Sign Corrected



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

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

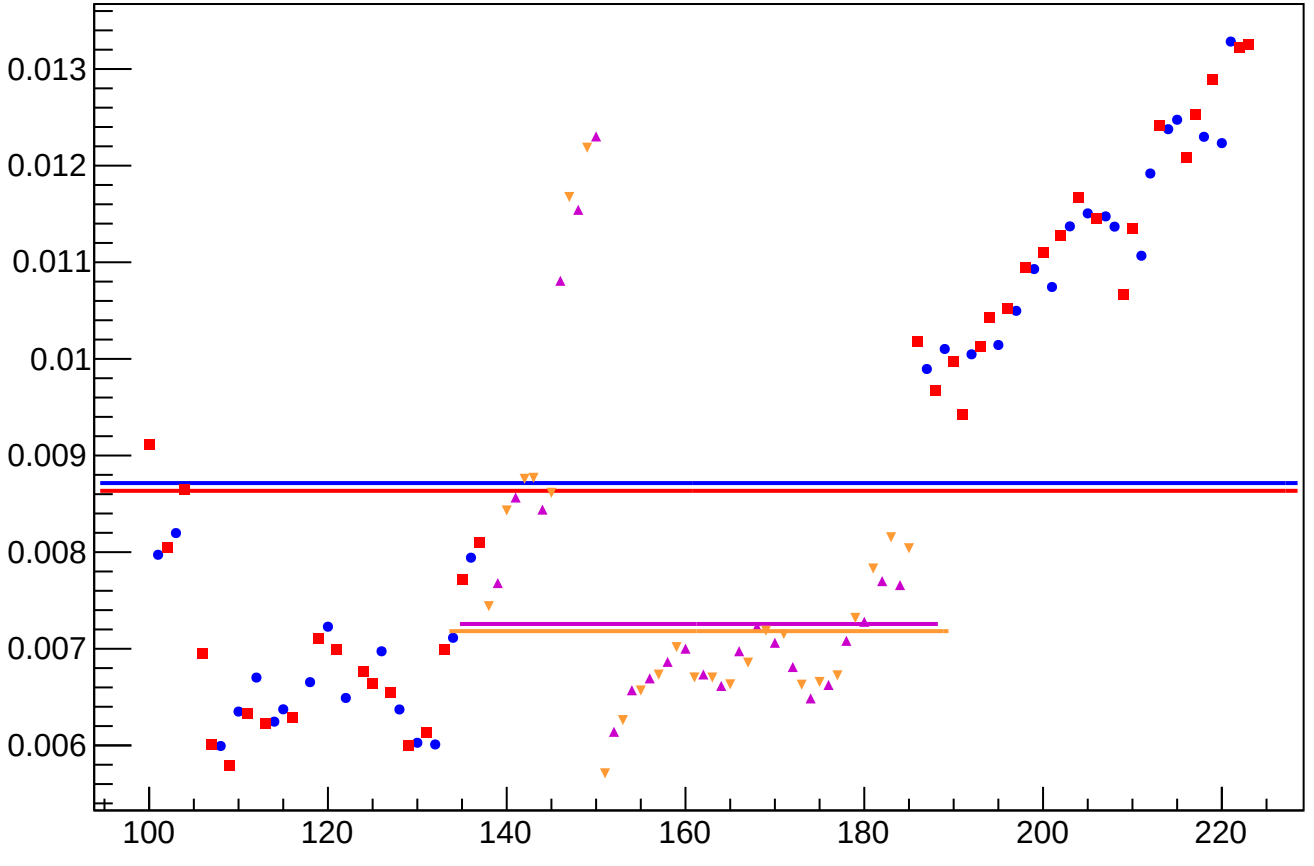
Right: 0.856+/-0.000 χ^2/NDF: 331866176848.8/72

In: 0.986+/-0.000 χ^2/NDF:182393613901.7/56

Out: 1.009+/-0.000 χ^2/NDF:178968107454.5/63

All: 0.998+/-0.000 χ^2/NDF: 361521625855.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

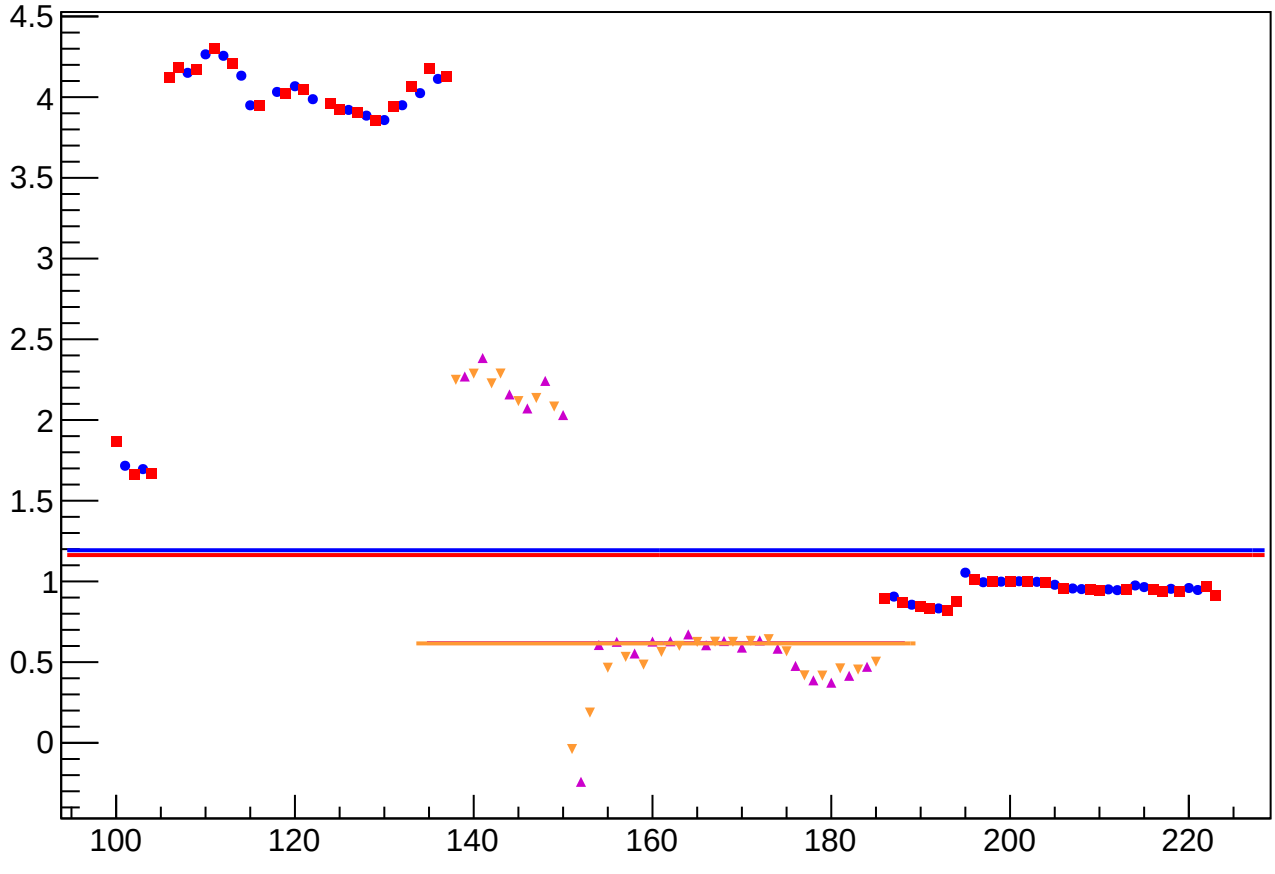
Right: 0.009+/-0.000 χ^2/NDF: 6202484.8/72

In: 0.008+/-0.000 χ^2/NDF:4560241.6/56

Out: 0.008+/-0.000 χ^2/NDF:4750843.9/63

All: 0.008+/-0.000 χ^2/NDF: 9315411.4/120

yield_bpm1i04Y_mean vs Slug, Sign Corrected



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

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

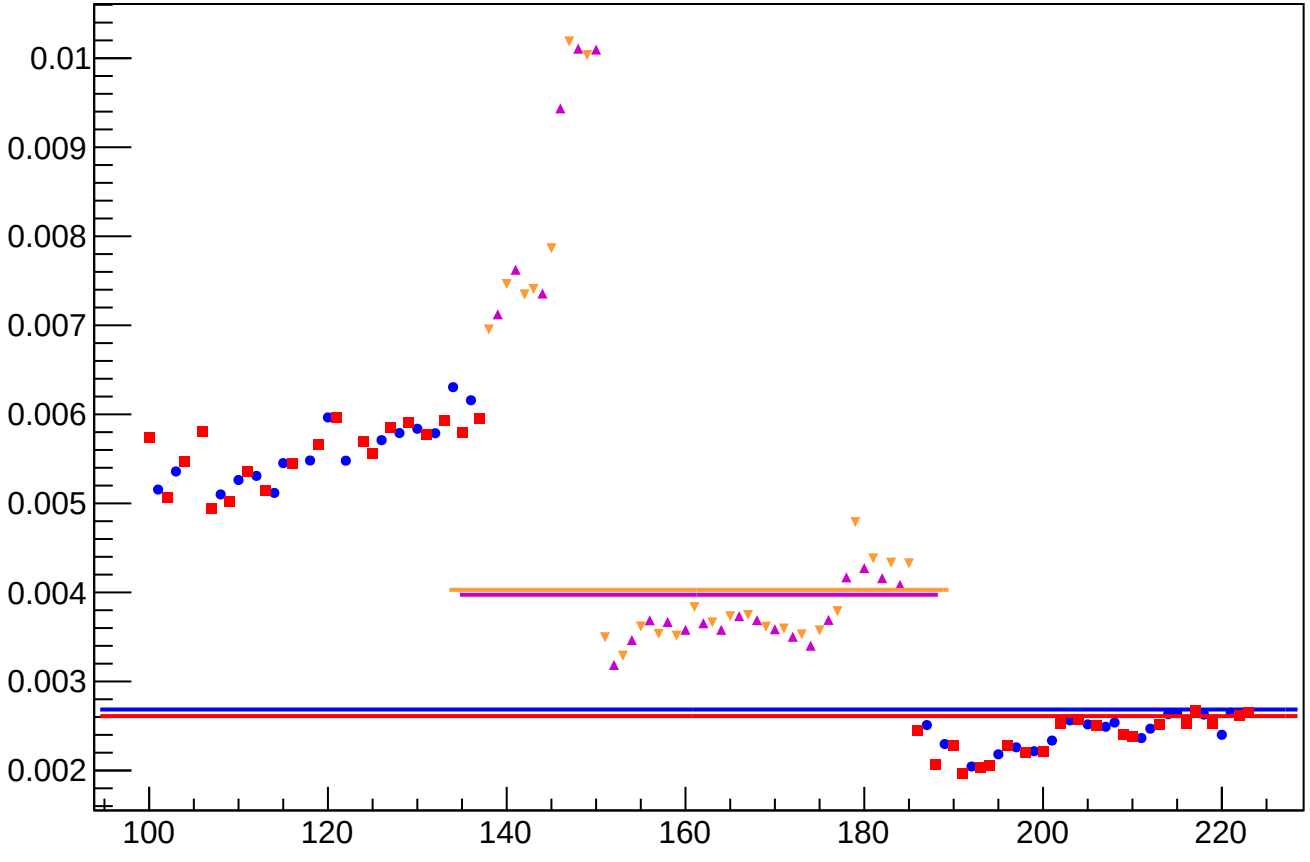
Right: 1.178+/-0.000 χ^2/NDF: 3488485888953.6/72

In: 1.030+/-0.000 χ^2/NDF:2162244531901.2/56

Out: 1.015+/-0.000 χ^2/NDF:2305080252399.5/63

All: 1.022+/-0.000 χ^2/NDF: 4467757487660.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

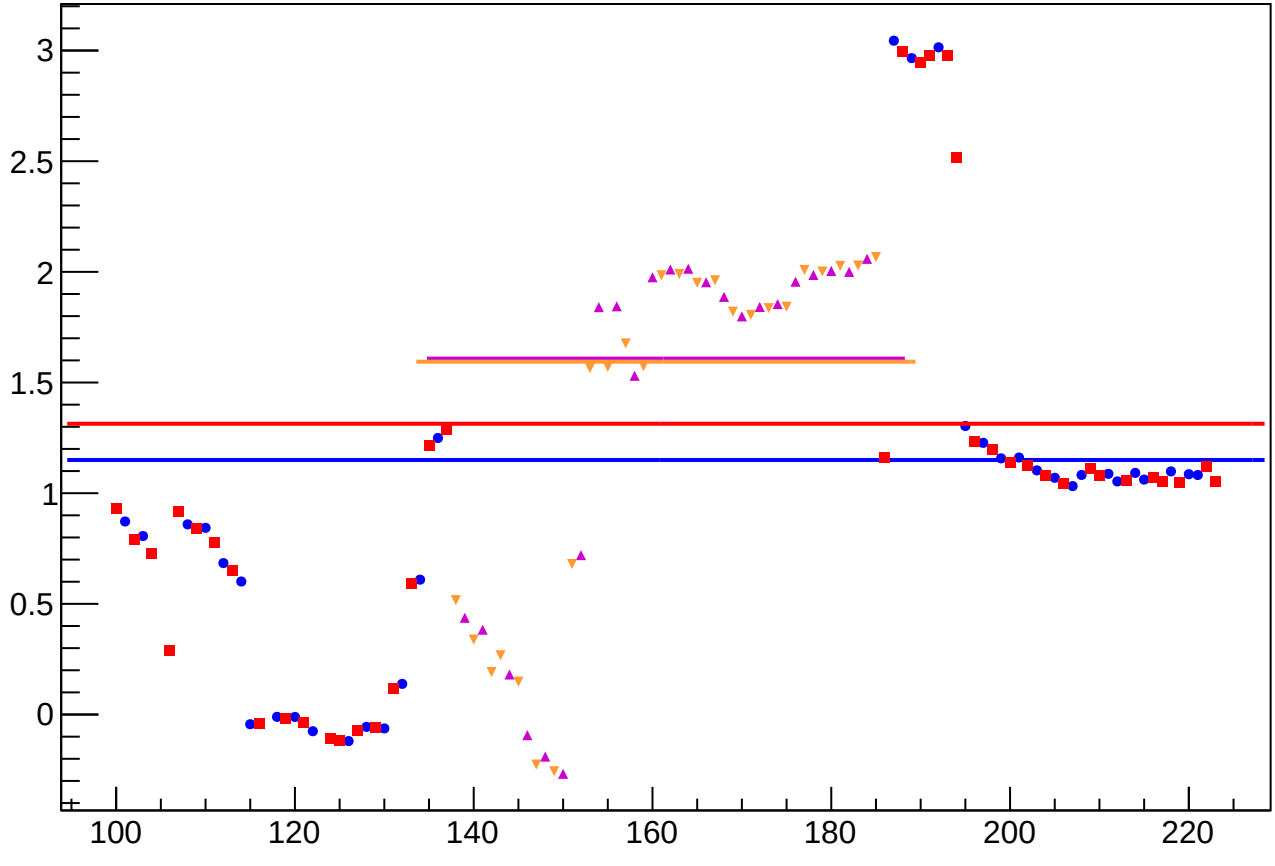
Right: 0.003+/-0.000 χ^2/NDF: 9184281.8/72

In: 0.003+/-0.000 χ^2/NDF:10019466.3/56

Out: 0.003+/-0.000 χ^2/NDF:10780654.0/63

All: 0.003+/-0.000 χ^2/NDF: 20811550.4/120

yield_bpm1i06X_mean vs Slug, Sign Corrected



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

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

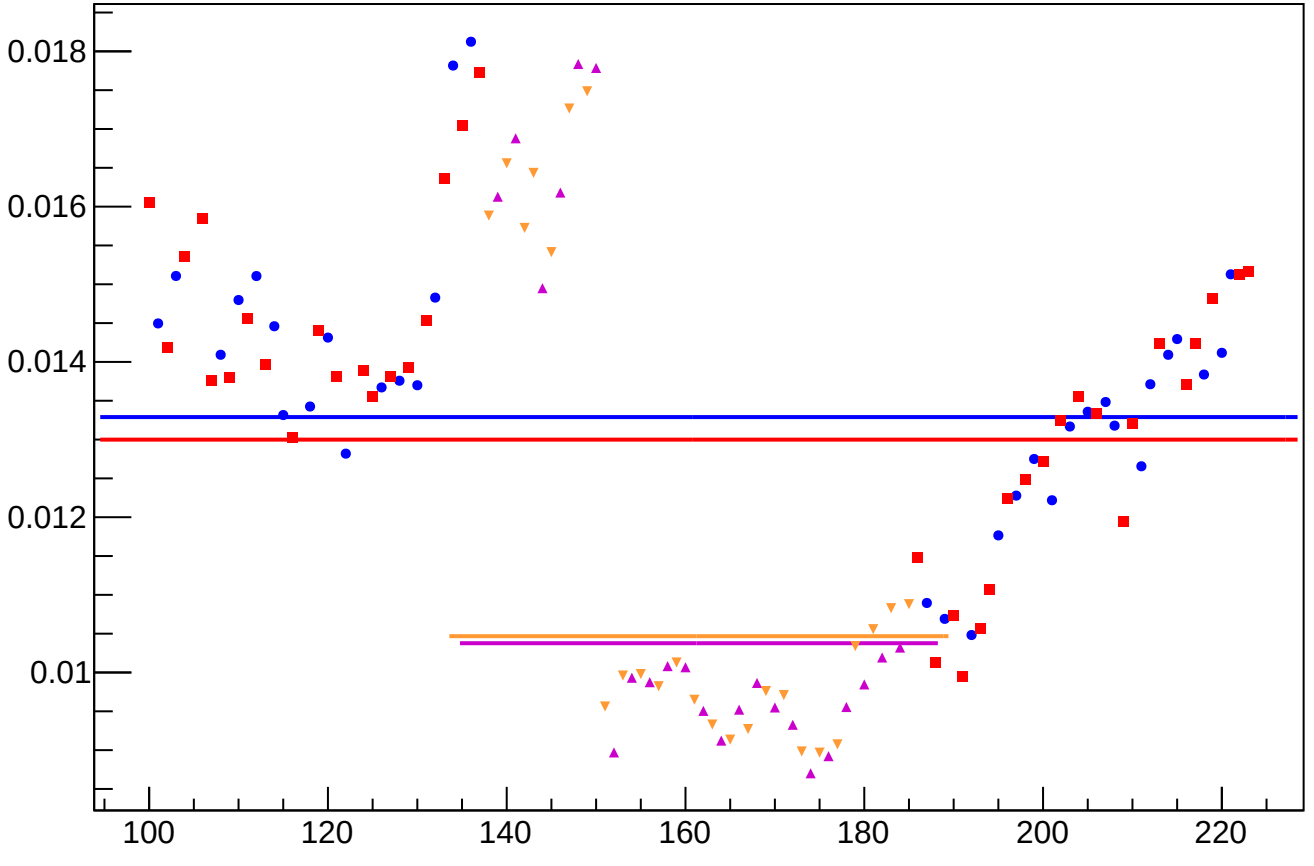
Right: 1.235+/-0.000 χ^2/NDF: 187783101802.1/72

In: 1.411+/-0.000 χ^2/NDF:158897694670.0/56

Out: 1.471+/-0.000 χ^2/NDF:176528884978.9/63

All: 1.441+/-0.000 χ^2/NDF: 335953278268.1

yield_bpm1i06X_rms vs Slug, Sign Corrected



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

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

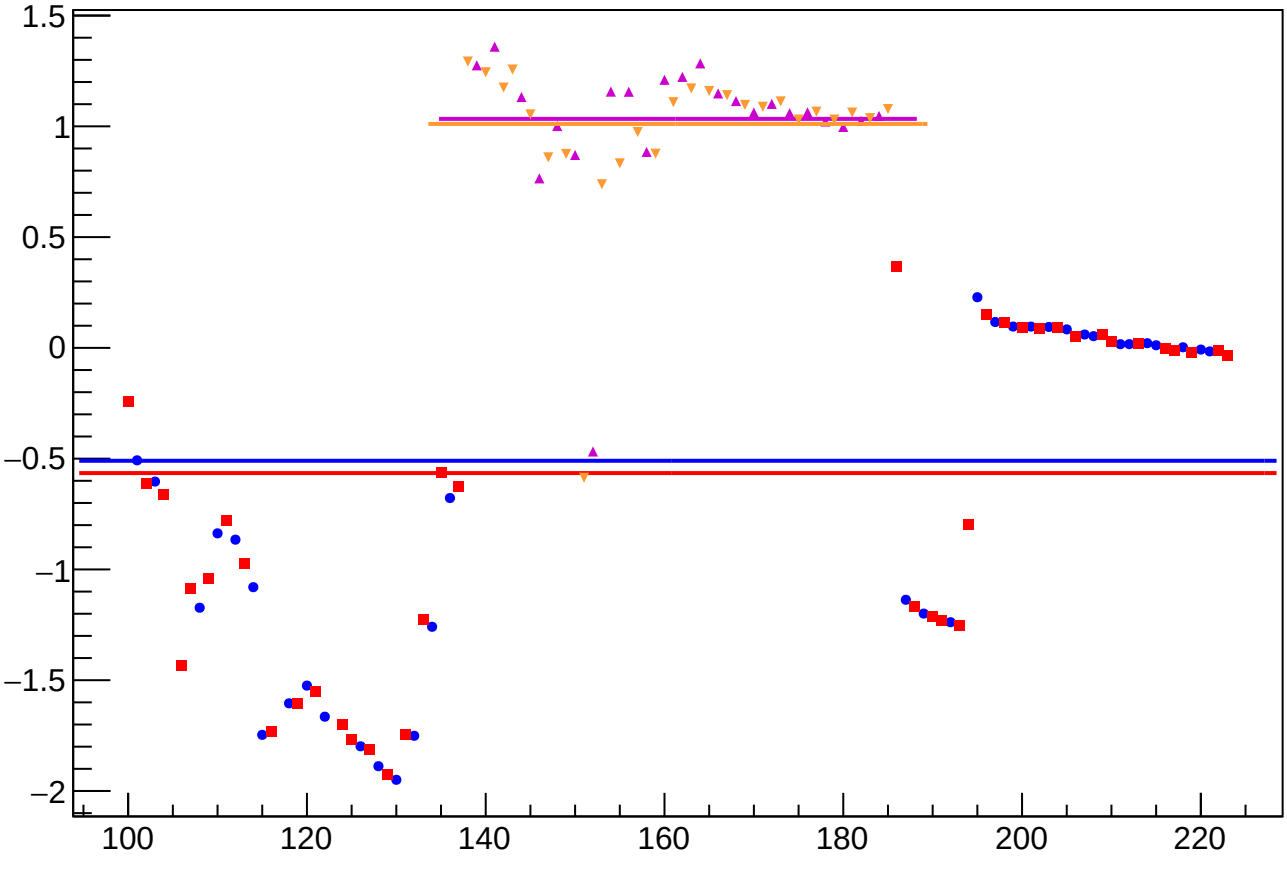
Right: 0.013+/-0.000 χ^2/NDF: 1330947.0/72

In: 0.012+/-0.000 χ^2/NDF:3459738.4/56

Out: 0.012+/-0.000 χ^2/NDF:3348651.0/63

All: 0.012+/-0.000 χ^2/NDF: 6809161.4/120

yield_bpm1i06Y_mean vs Slug, Sign Corrected



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

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

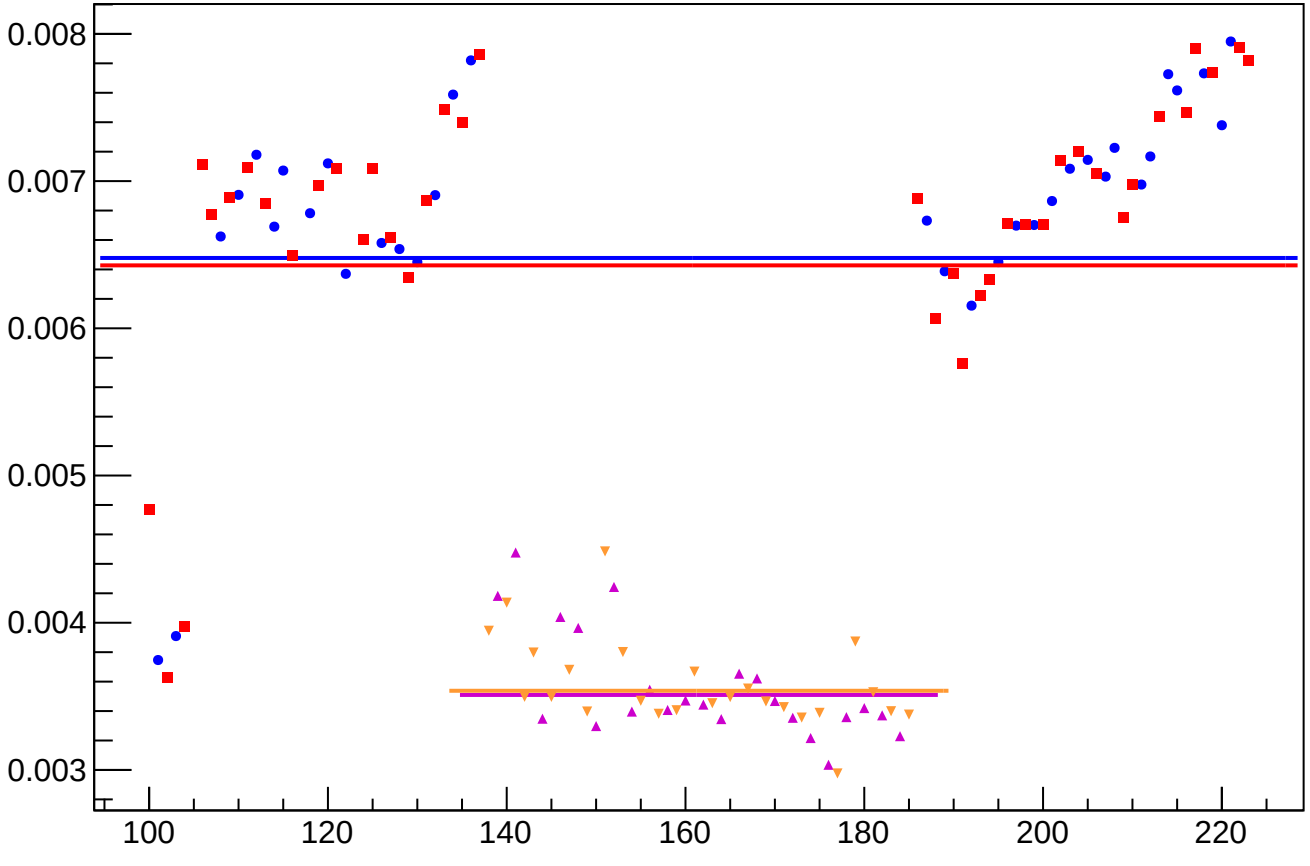
Right: -0.538+/-0.000 χ^2/NDF: 444288395092.7/72

In: 0.624+/-0.000 χ^2/NDF:1201690965746.5/56

Out: 0.591+/-0.000 χ^2/NDF:1258225736724.1/63

All: 0.607+/-0.000 χ^2/NDF: 2460963345462.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

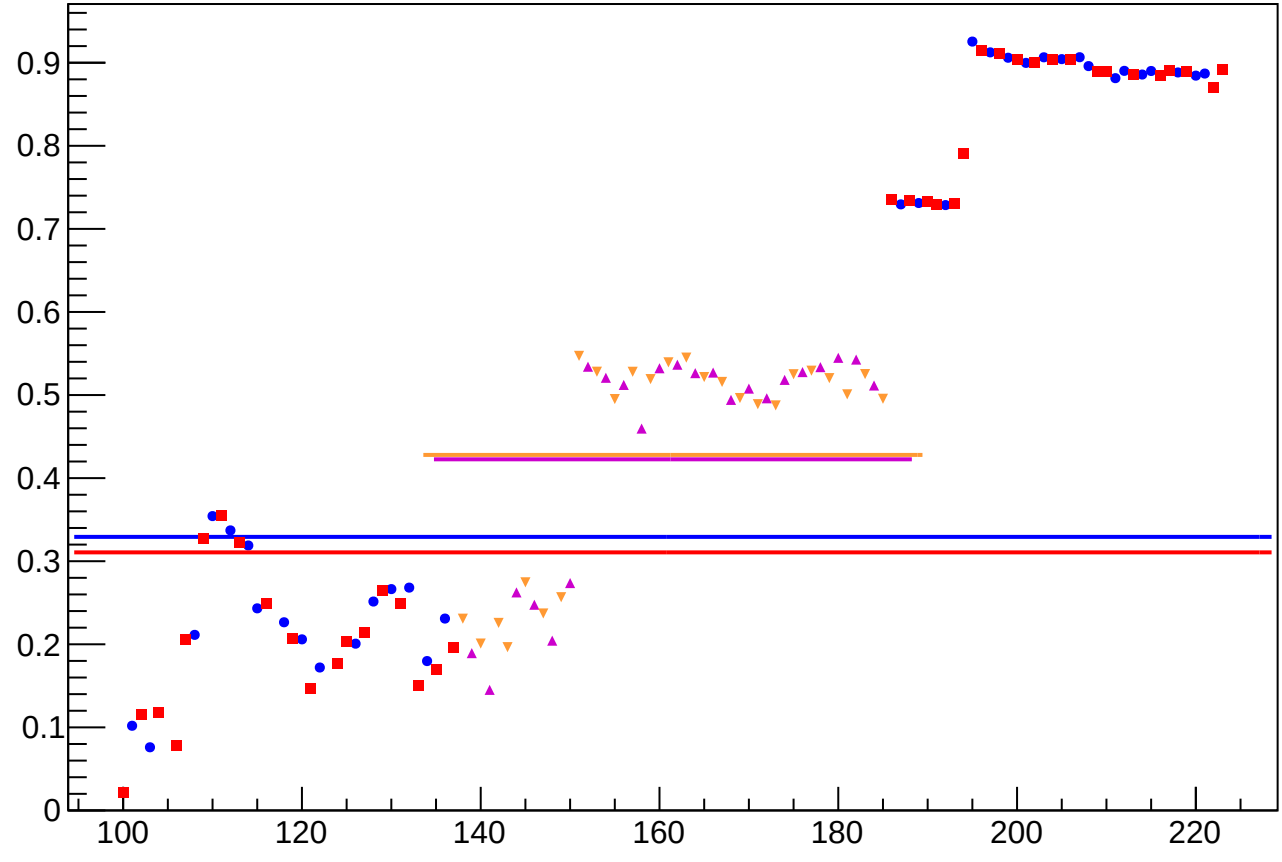
Right: 0.006+/-0.000 χ^2/NDF: 3074289.7/72

In: 0.004+/-0.000 χ^2/NDF:8089999.7/56

Out: 0.004+/-0.000 χ^2/NDF:8025881.8/63

All: 0.004+/-0.000 χ^2/NDF: 16116112.4/120

yield_bpm2i01X_mean vs Slug, Sign Corrected



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

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

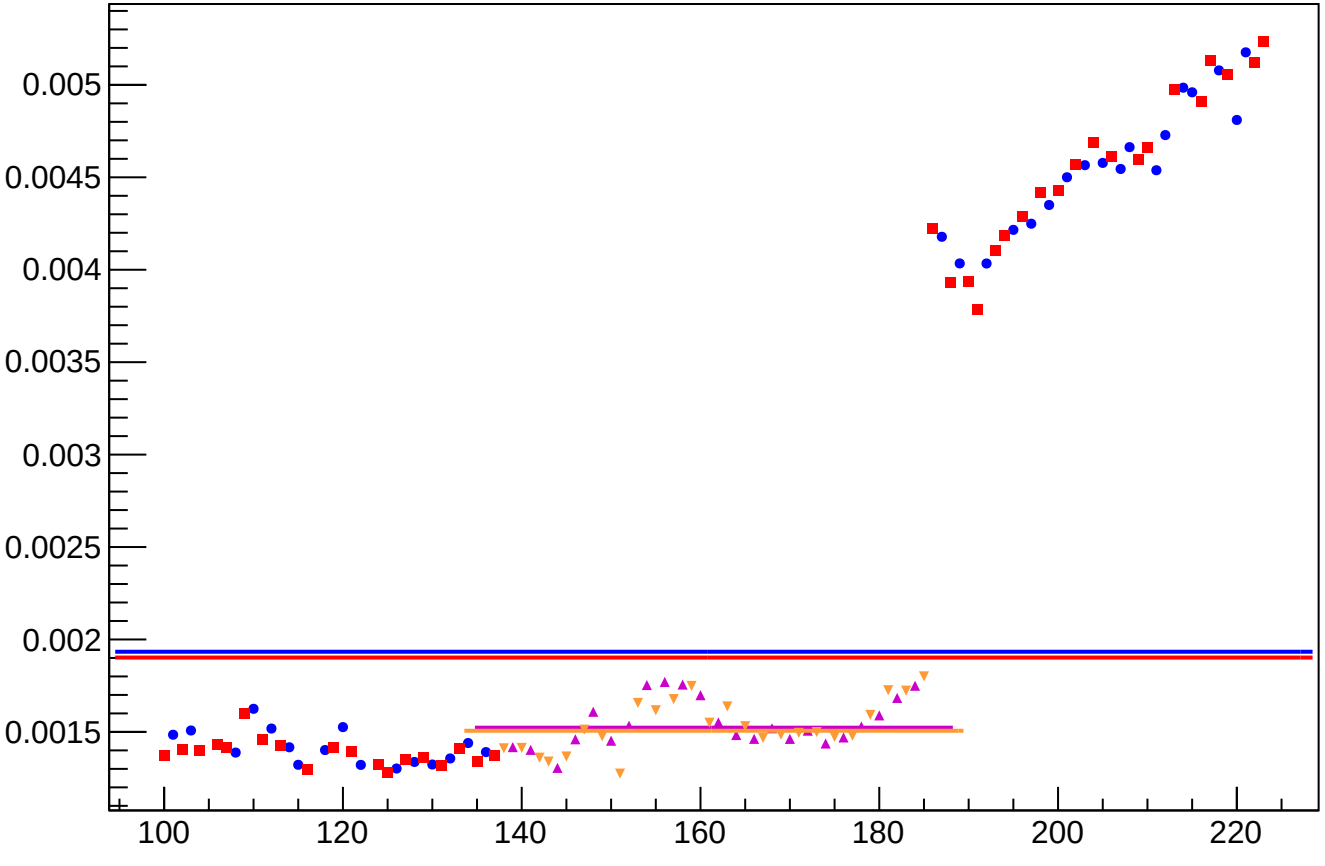
Right: 0.320+/-0.000 χ^2/NDF: 558936647383.4/72

In: 0.390+/-0.000 χ^2/NDF:453452734922.2/56

Out: 0.387+/-0.000 χ^2/NDF:480991183931.3/63

All: 0.388+/-0.000 χ^2/NDF: 934498672923.8

yield_bpm2i01X_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

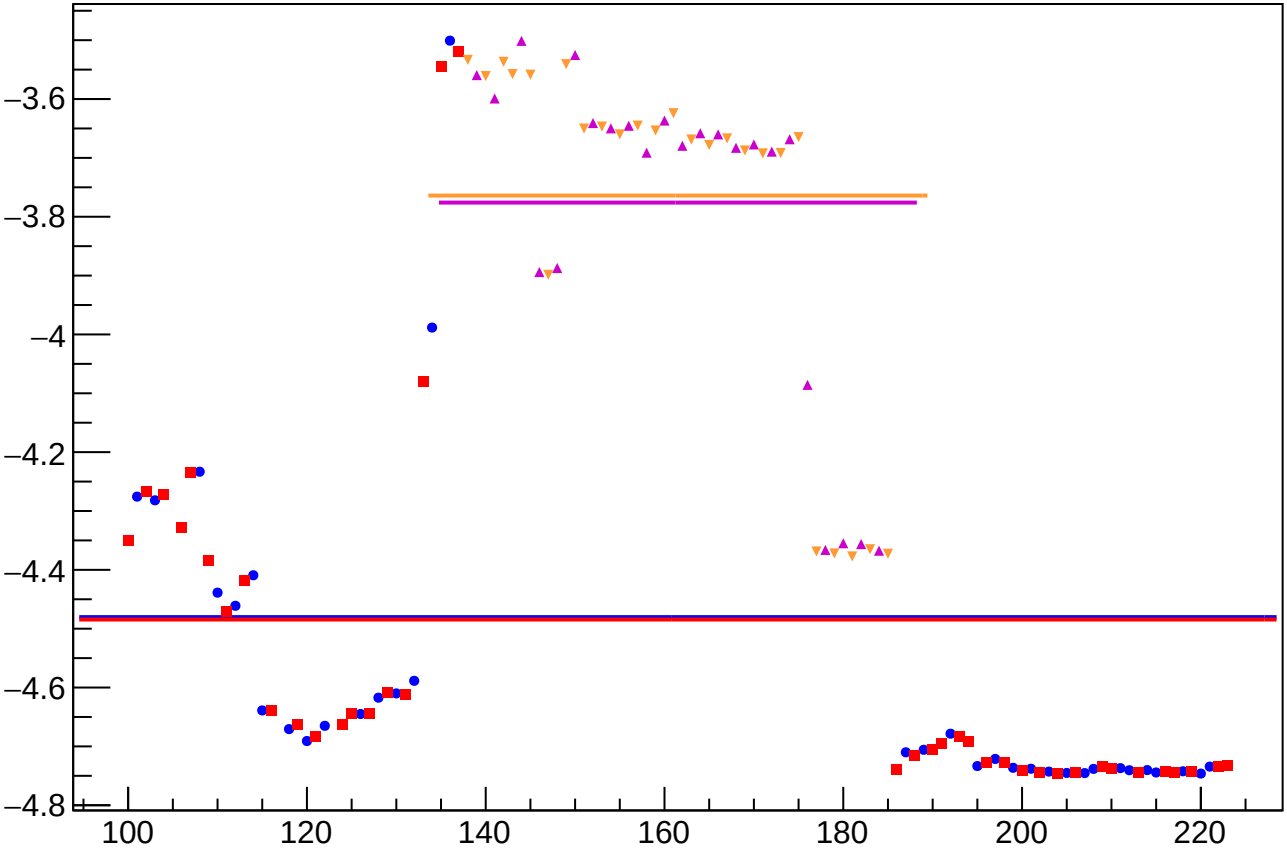
Right: 0.002+/-0.000 χ^2/NDF: 24267307.1/72

In: 0.002+/-0.000 χ^2/NDF:13007732.2/56

Out: 0.002+/-0.000 χ^2/NDF:13613600.3/63

All: 0.002+/-0.000 χ^2/NDF: 26627598.5/120

yield_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

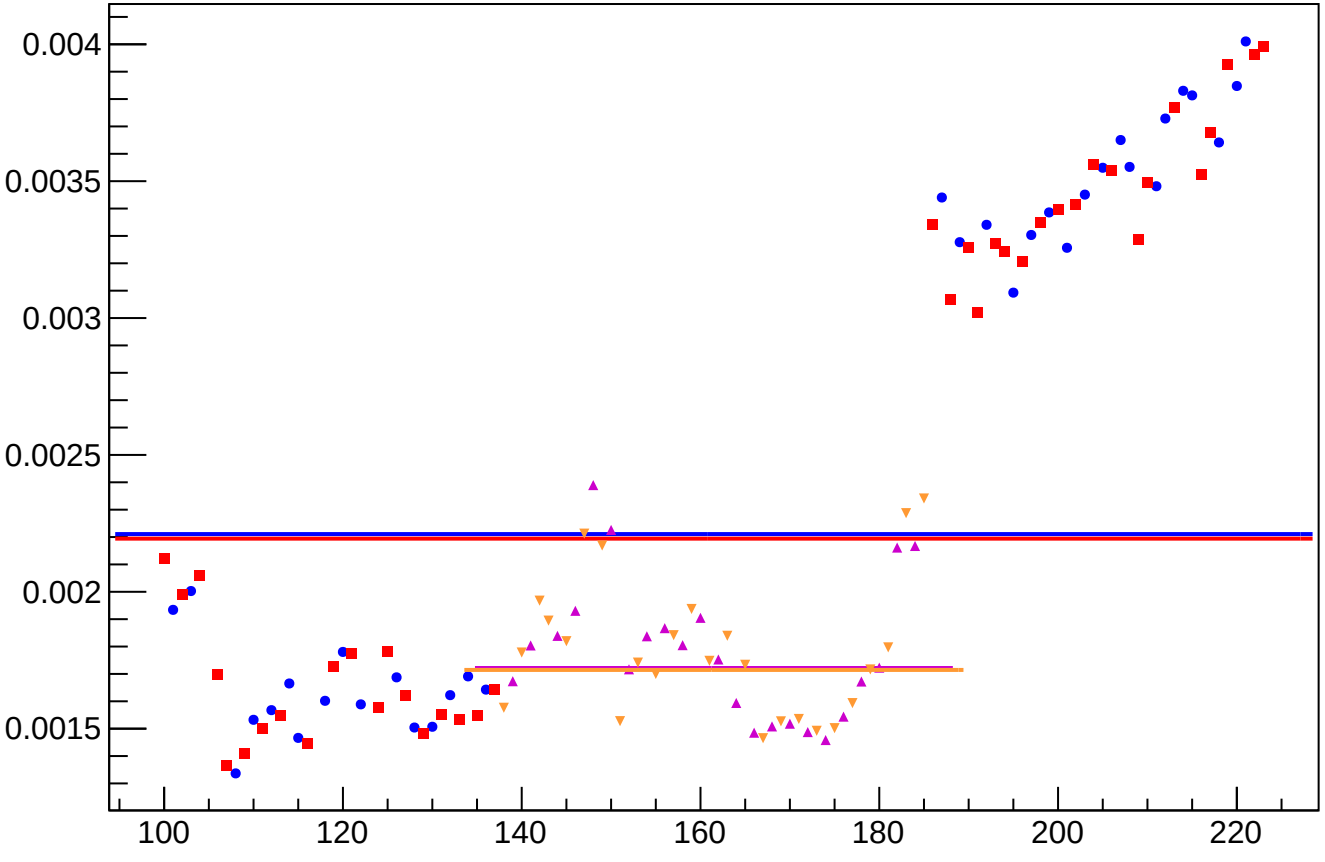
Right: -4.482+/-0.000 χ^2/NDF: 872056650201.7/72

In: -4.051+/-0.000 χ^2/NDF:2014113093773.2/56

Out: -4.045+/-0.000 χ^2/NDF:2169580104429.4/63

All: -4.048+/-0.000 χ^2/NDF: 4183882527076

yield_bpm2i01Y_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

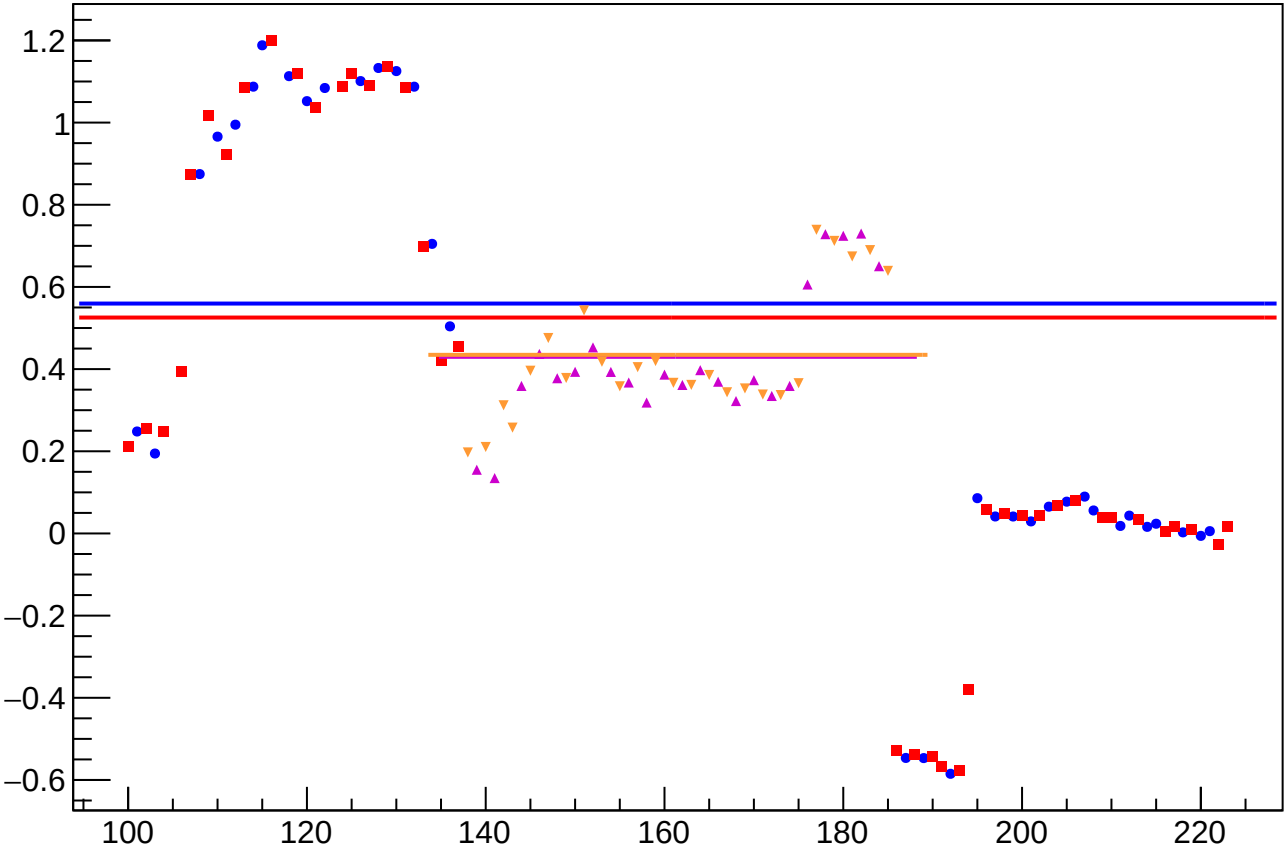
Right: 0.002+/-0.000 χ^2/NDF: 12401444.4/72

In: 0.002+/-0.000 χ^2/NDF:7846442.0/56

Out: 0.002+/-0.000 χ^2/NDF:7938431.2/63

All: 0.002+/-0.000 χ^2/NDF: 15786104.9/120

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 81044891681.7/33

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.525+/-0.000 χ^2/NDF: 98234232819.7/38

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

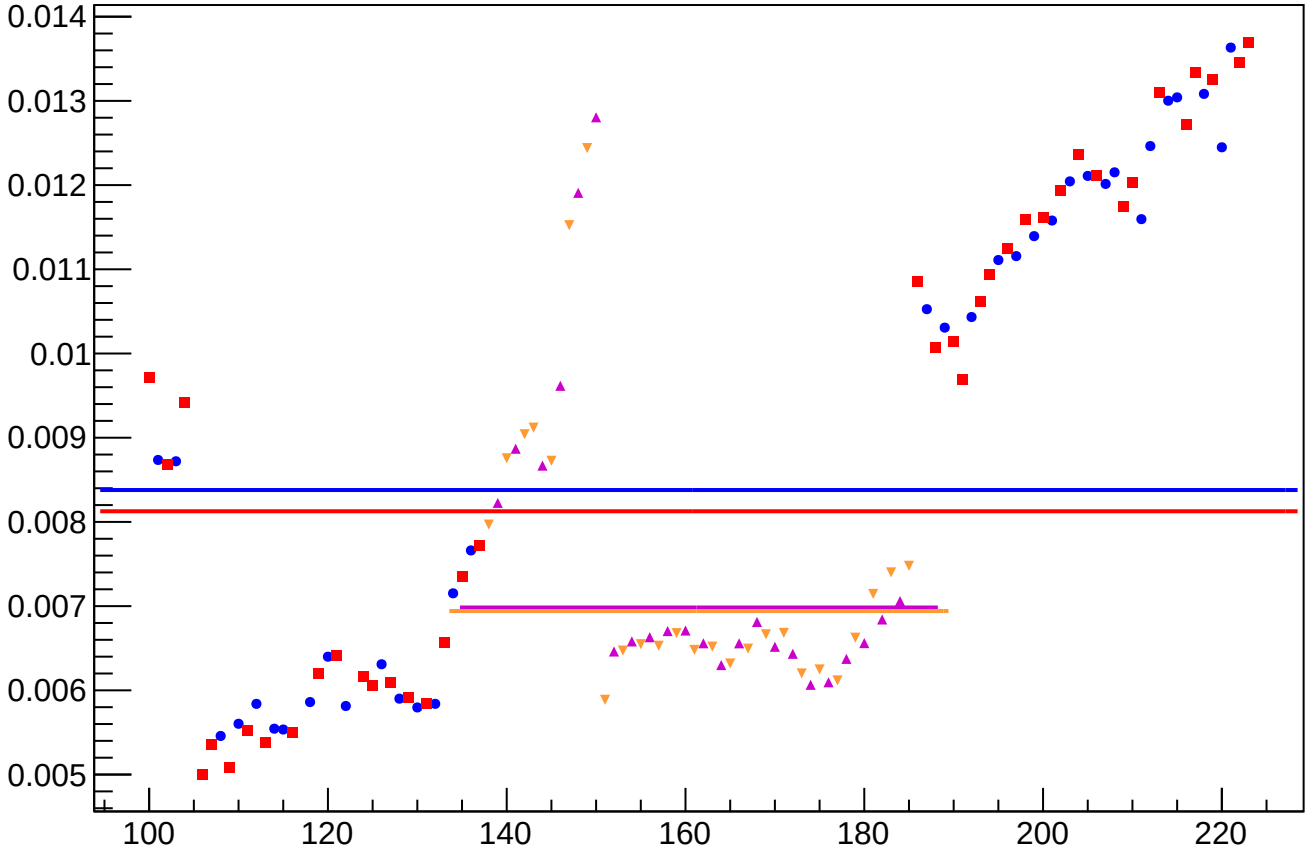
Right: 0.542+/-0.000 χ^2/NDF: 179448249230.2/72

In: 0.486+/-0.000 χ^2/NDF:92738628880.6/56

Out: 0.475+/-0.000 χ^2/NDF:108156421484.8/63

All: 0.480+/-0.000 χ^2/NDF: 200940552815.1

yield_bpm2i02X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

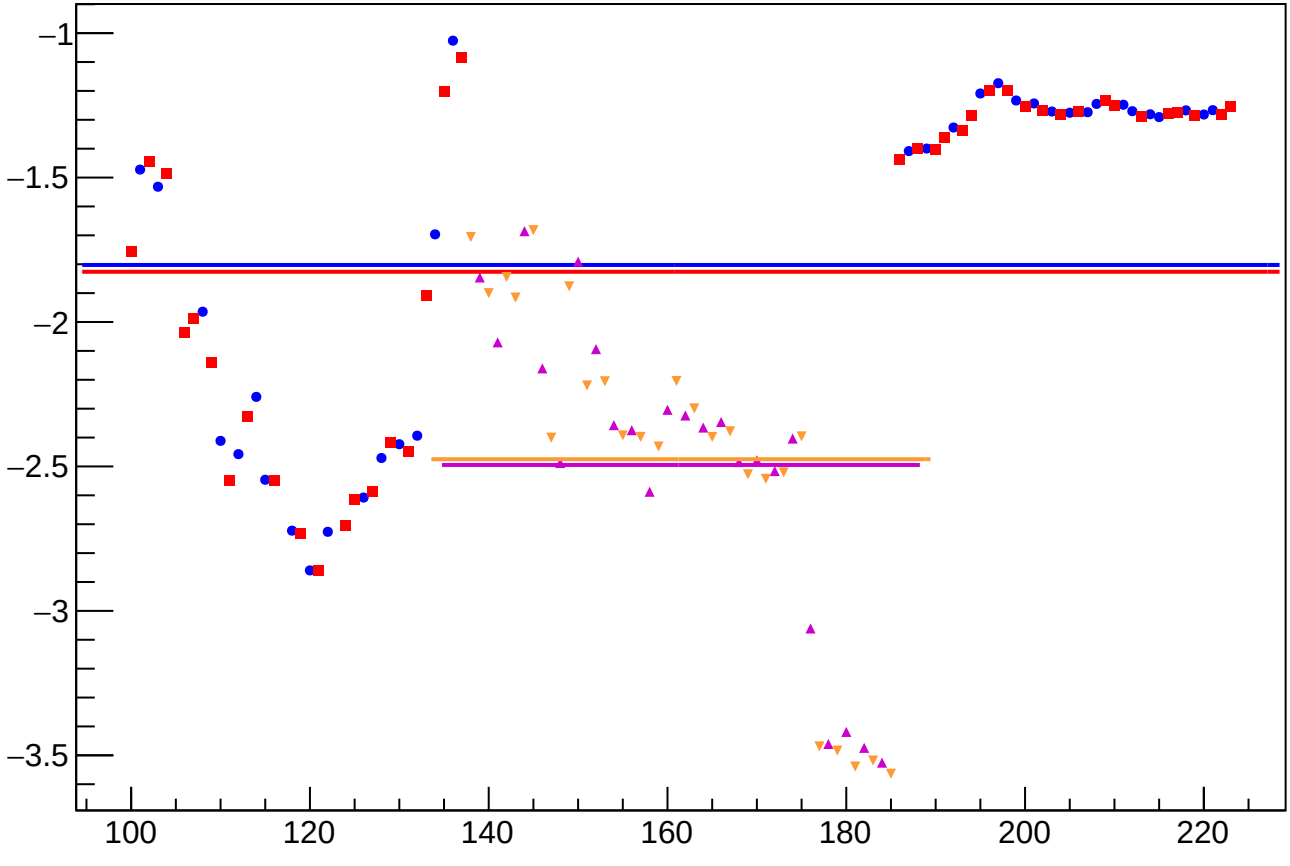
Right: 0.008+/-0.000 χ^2/NDF: 9742755.1/72

In: 0.008+/-0.000 χ^2/NDF:6286719.6/56

Out: 0.007+/-0.000 χ^2/NDF:6758486.4/63

All: 0.008+/-0.000 χ^2/NDF: 13056142.6/120

yield_bpm2i02Y_mean vs Slug, Sign Corrected



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

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

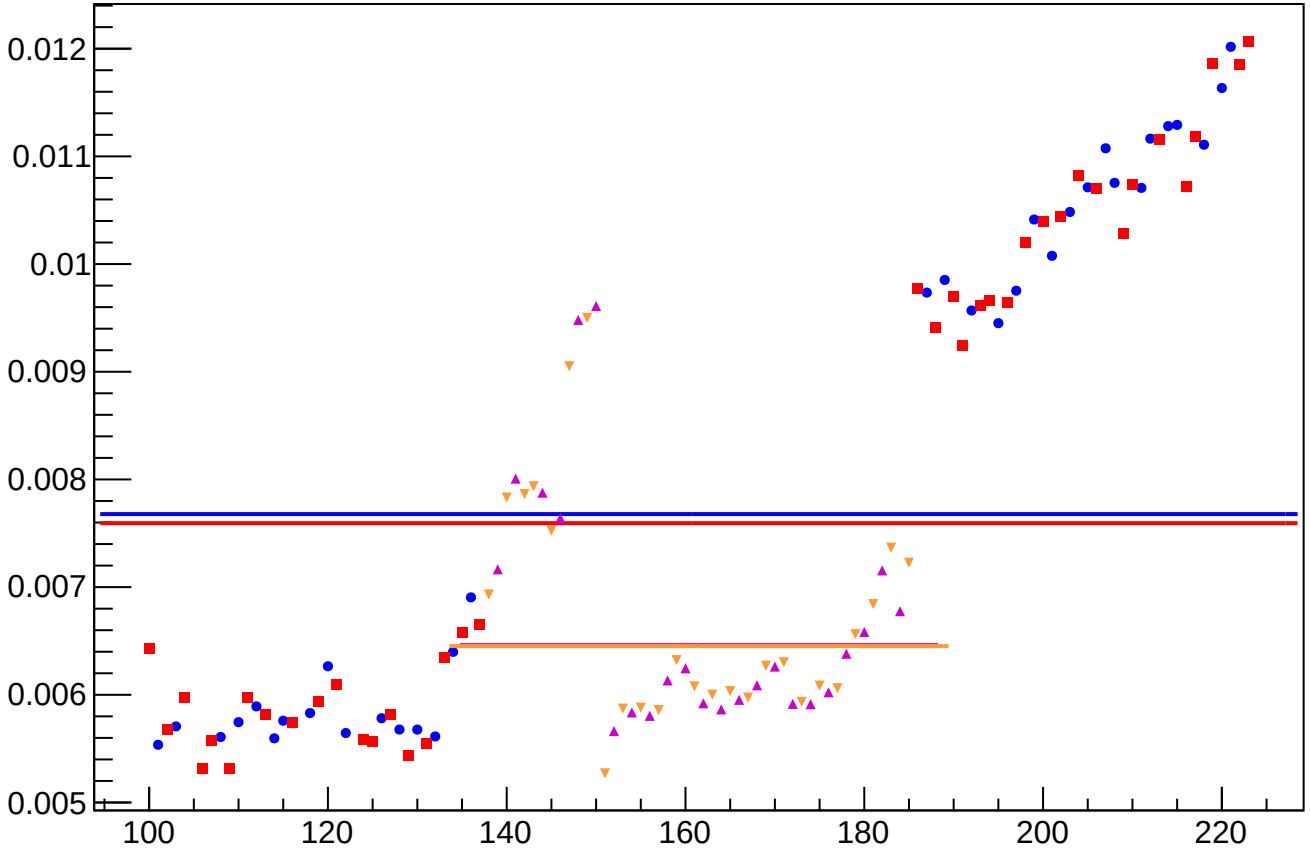
Right: -1.815+/-0.000 χ^2/NDF: 252503711057.0/72

In: -2.188+/-0.000 χ^2/NDF:315046423651.9/56

Out: -2.187+/-0.000 χ^2/NDF:333105623605.3/63

All: -2.188+/-0.000 χ^2/NDF: 648152780510.7

yield_bpm2i02Y_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

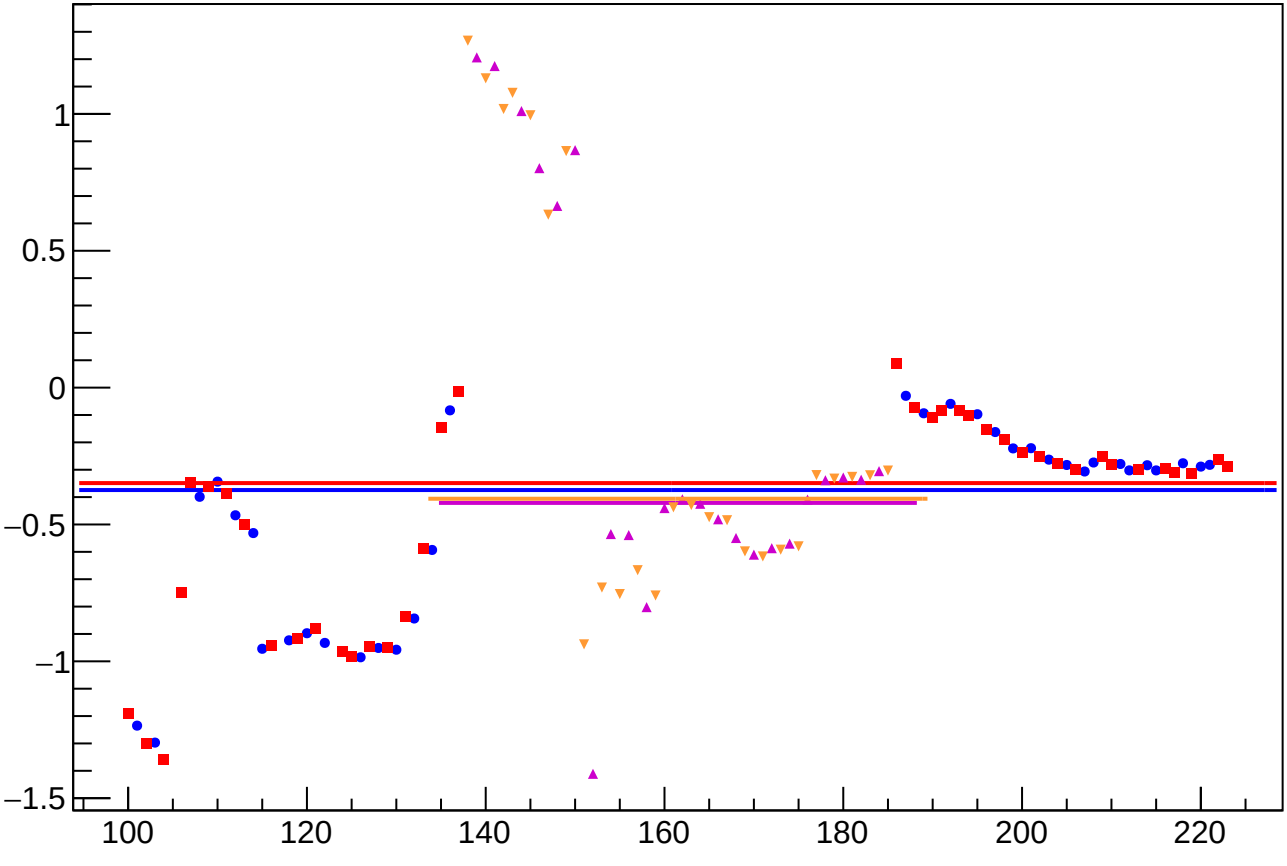
Right: 0.008+/-0.000 χ^2/NDF: 7724415.1/72

In: 0.007+/-0.000 χ^2/NDF:5097774.3/56

Out: 0.007+/-0.000 χ^2/NDF:5146544.1/63

All: 0.007+/-0.000 χ^2/NDF: 10245657.7/120

yield_bpm0i01X_mean vs Slug, Sign Corrected



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

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

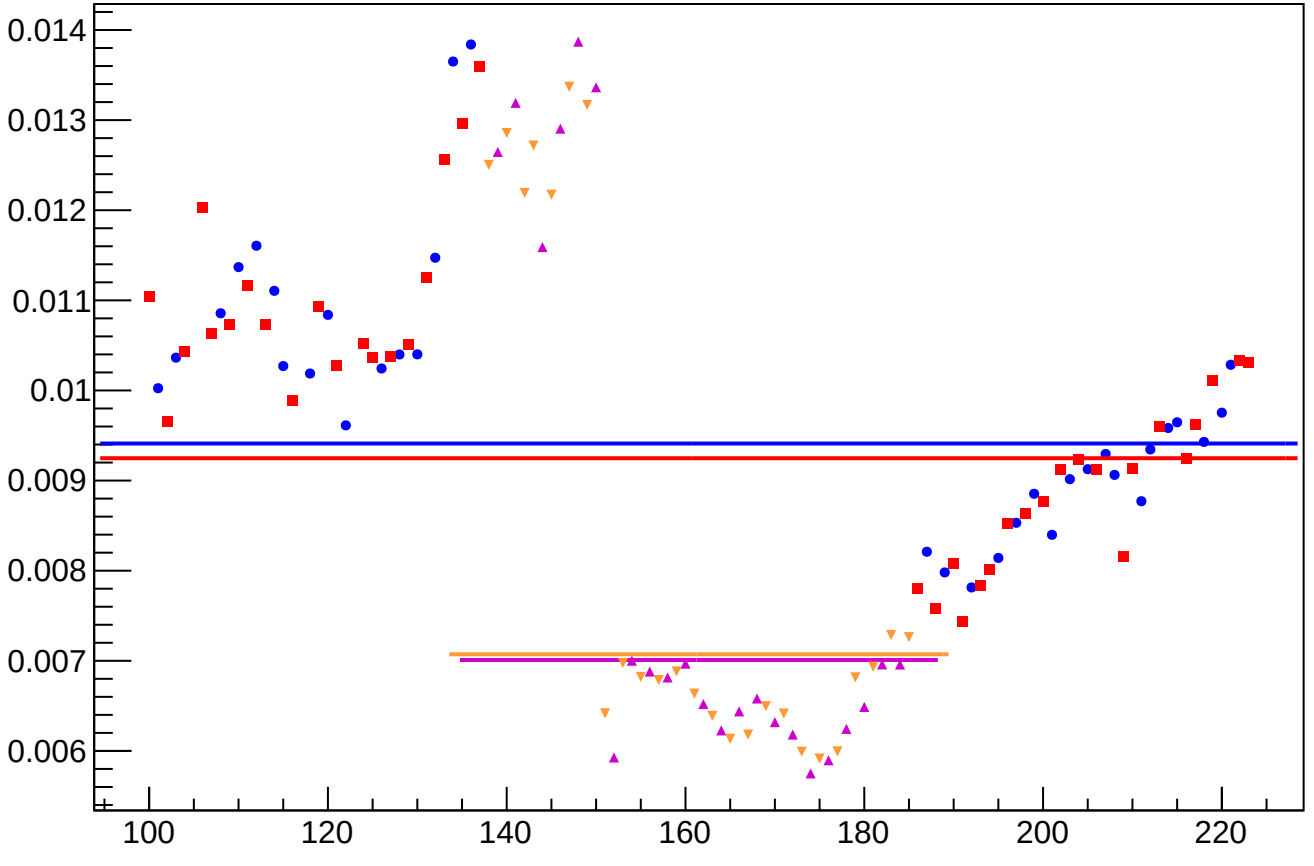
Right: -0.361+/-0.000 χ^2/NDF: 52474365165.3/72

In: -0.402+/-0.000 χ^2/NDF:115489456005.8/56

Out: -0.382+/-0.000 χ^2/NDF:109580257059.0/63

All: -0.392+/-0.000 χ^2/NDF: 225187218707.0

yield_bpm0i01X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

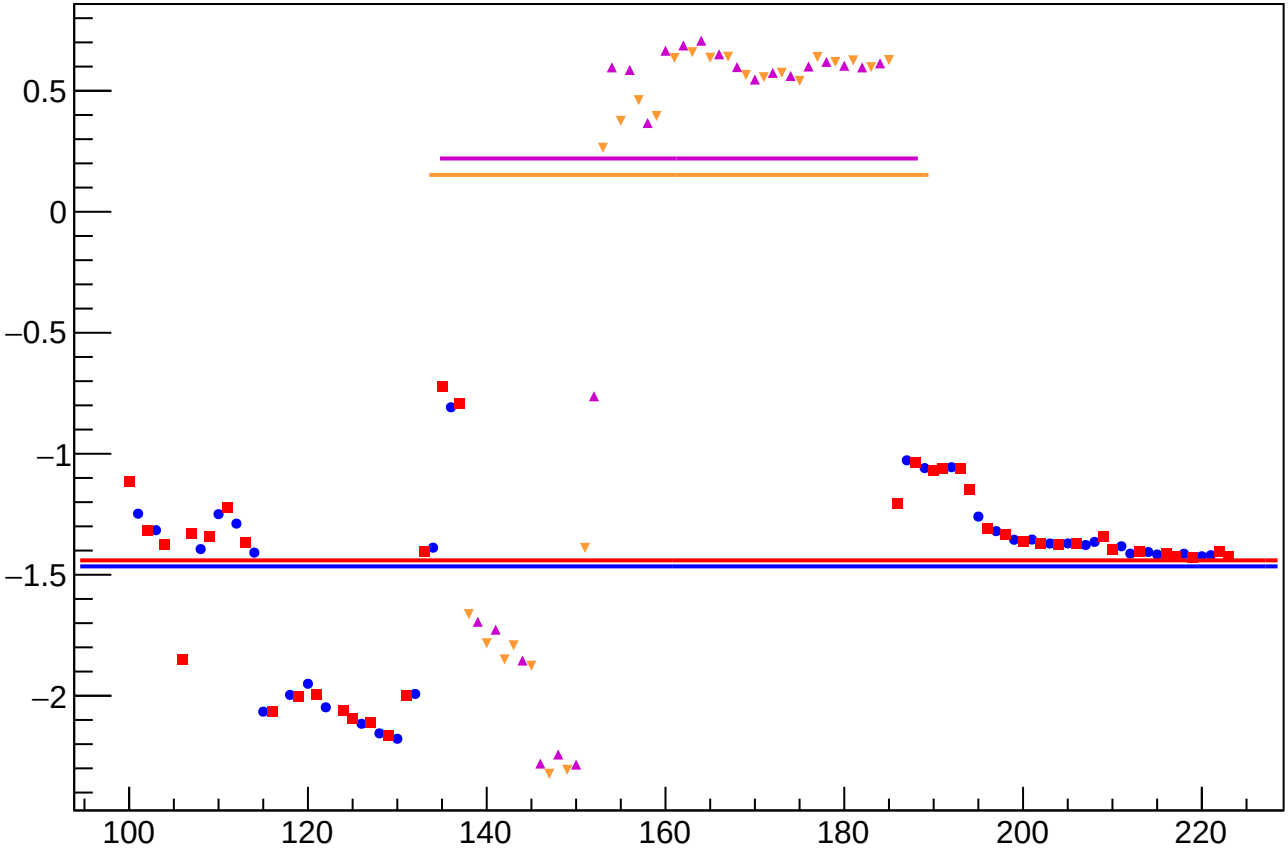
Right: 0.009+/-0.000 χ^2/NDF: 1417371.5/72

In: 0.008+/-0.000 χ^2/NDF:4744240.3/56

Out: 0.008+/-0.000 χ^2/NDF:4554349.0/63

All: 0.008+/-0.000 χ^2/NDF: 9298742.1/120

yield_bpm0i01Y_mean vs Slug, Sign Corrected



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

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

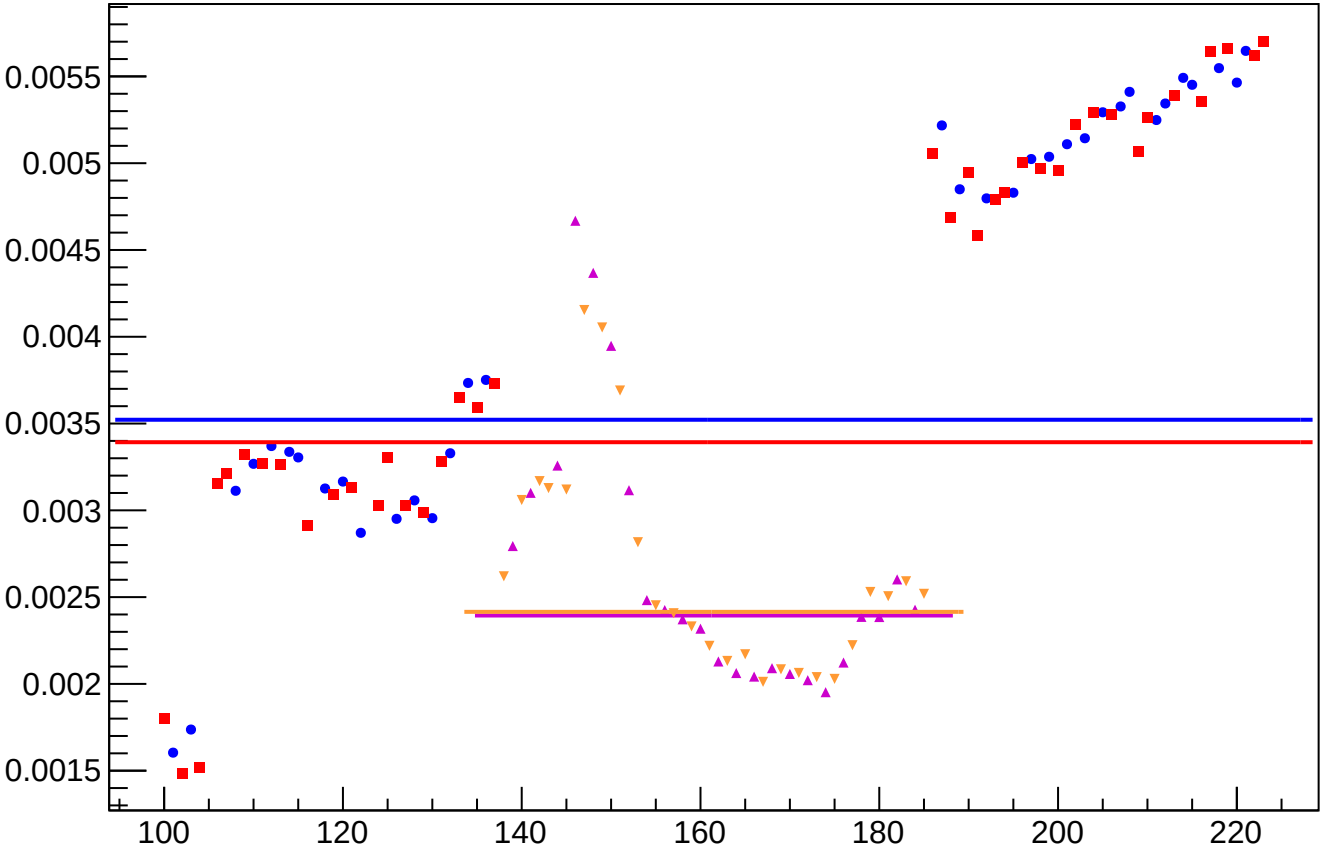
Right: -1.452+/-0.000 χ^2/NDF: 357333241401.8/72

In: -0.358+/-0.000 χ^2/NDF:5024309287974.1/56

Out: -0.407+/-0.000 χ^2/NDF:5177827495781.7/63

All: -0.383+/-0.000 χ^2/NDF: 1020733871038

yield_bpm0i01Y_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

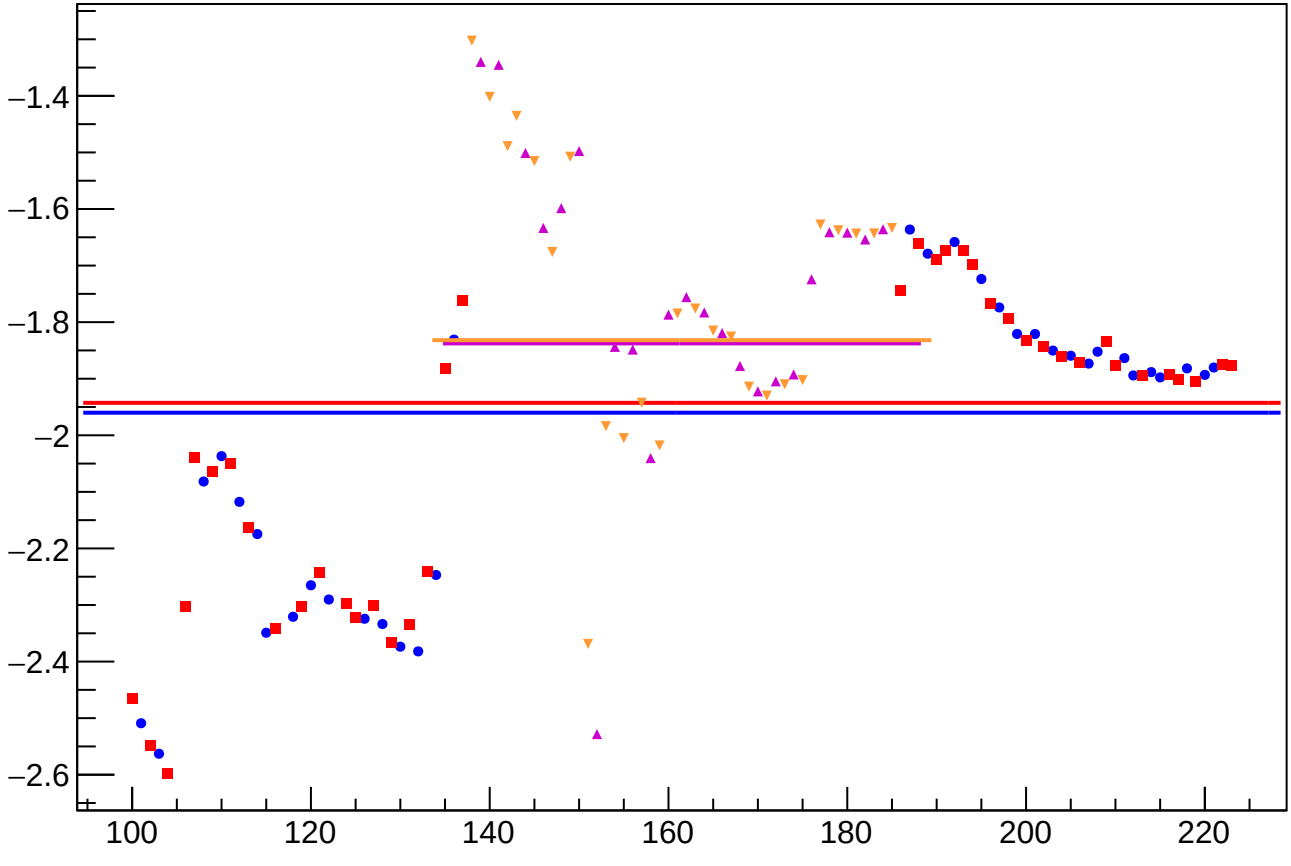
Right: 0.003+/-0.000 χ^2/NDF: 13172603.3/72

In: 0.003+/-0.000 χ^2/NDF:9885284.1/56

Out: 0.003+/-0.000 χ^2/NDF:10288278.6/63

All: 0.003+/-0.000 χ^2/NDF: 20175826.0/120

yield_bpm0i01aX_mean vs Slug, Sign Corrected



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

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

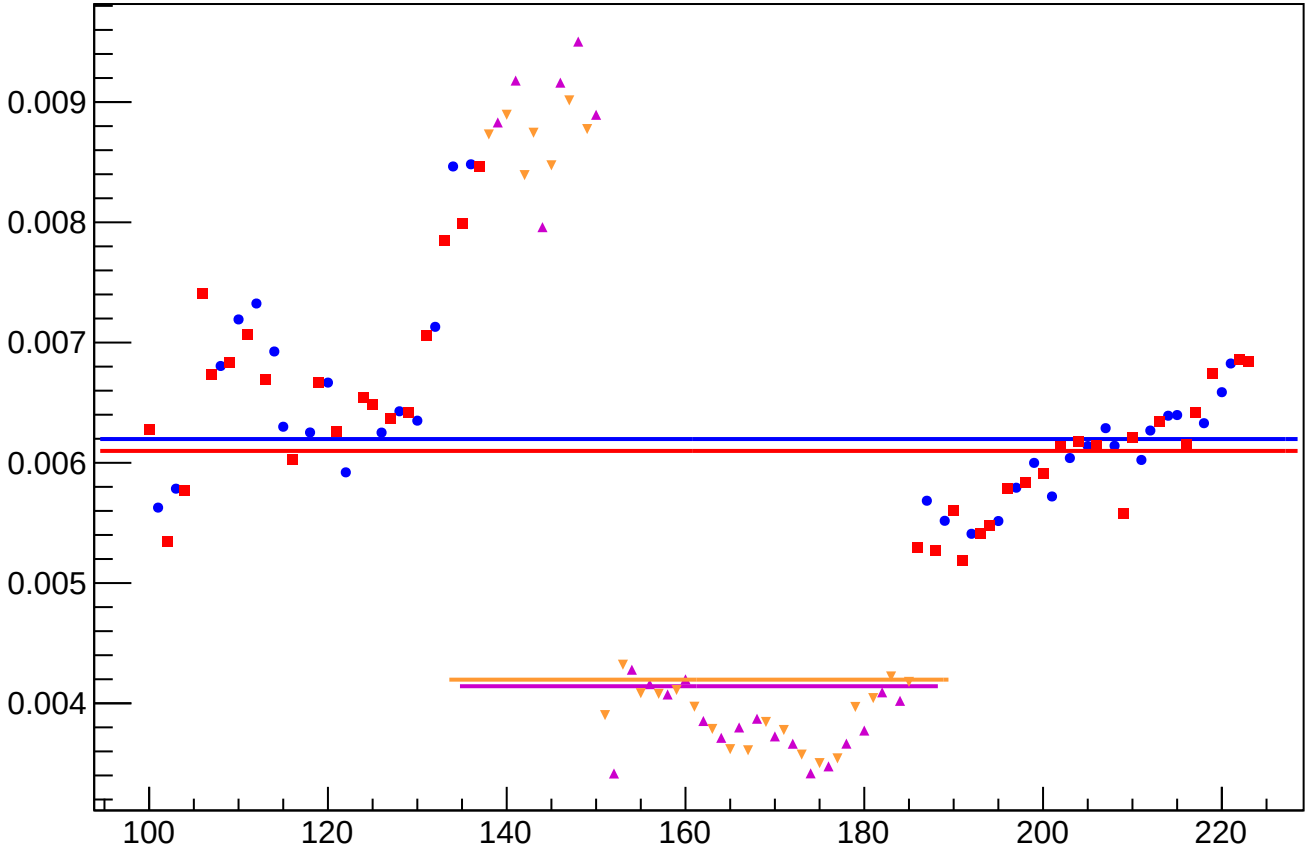
Right: -1.951+/-0.000 χ^2/NDF: 72908625270.6/72

In: -1.883+/-0.000 χ^2/NDF:93222825570.6/56

Out: -1.874+/-0.000 χ^2/NDF:81176179488.8/63

All: -1.878+/-0.000 χ^2/NDF: 174465047647.6

yield_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

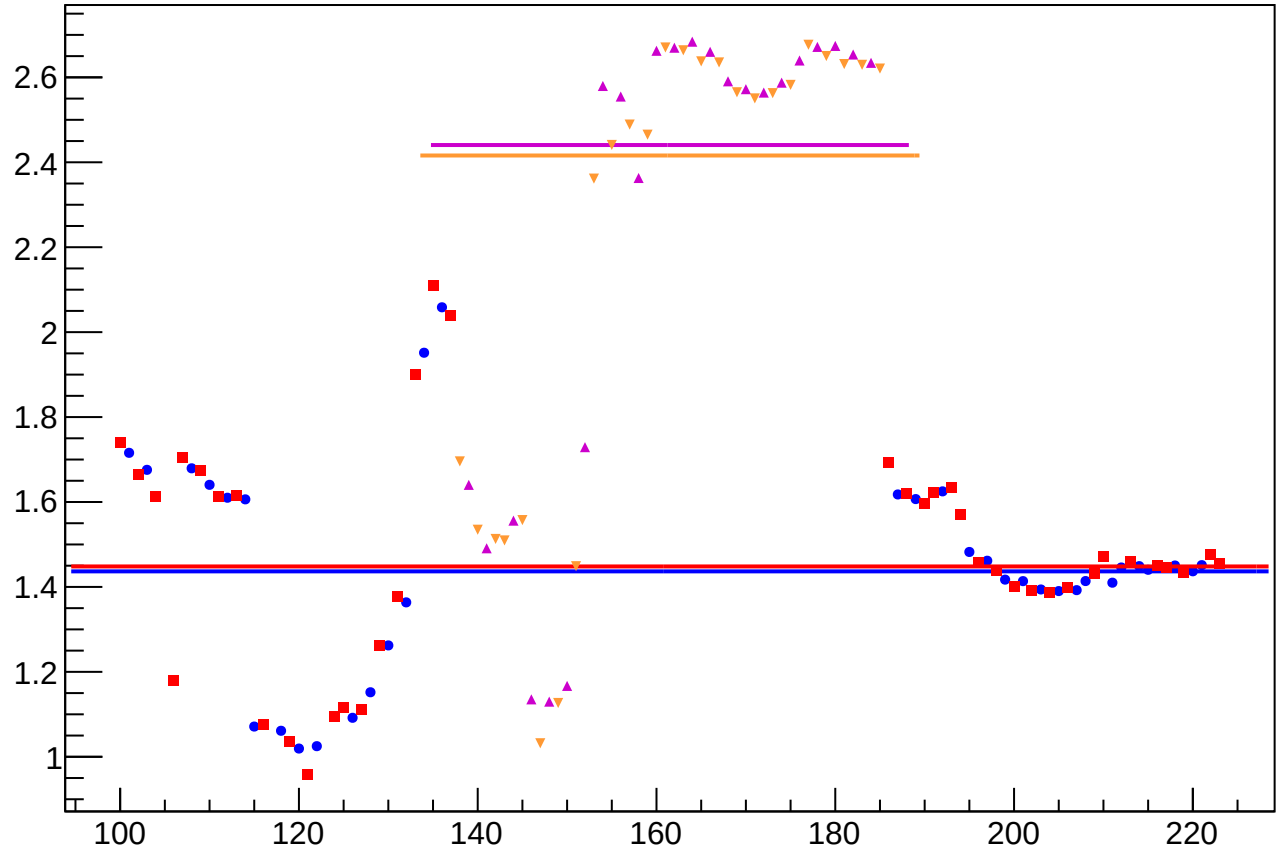
Right: 0.006+/-0.000 χ^2/NDF: 862512.7/72

In: 0.005+/-0.000 χ^2/NDF:6547474.6/56

Out: 0.005+/-0.000 χ^2/NDF:6221057.1/63

All: 0.005+/-0.000 χ^2/NDF: 12768724.8/120

yield_bpm0i01aY_mean vs Slug, Sign Corrected



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

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

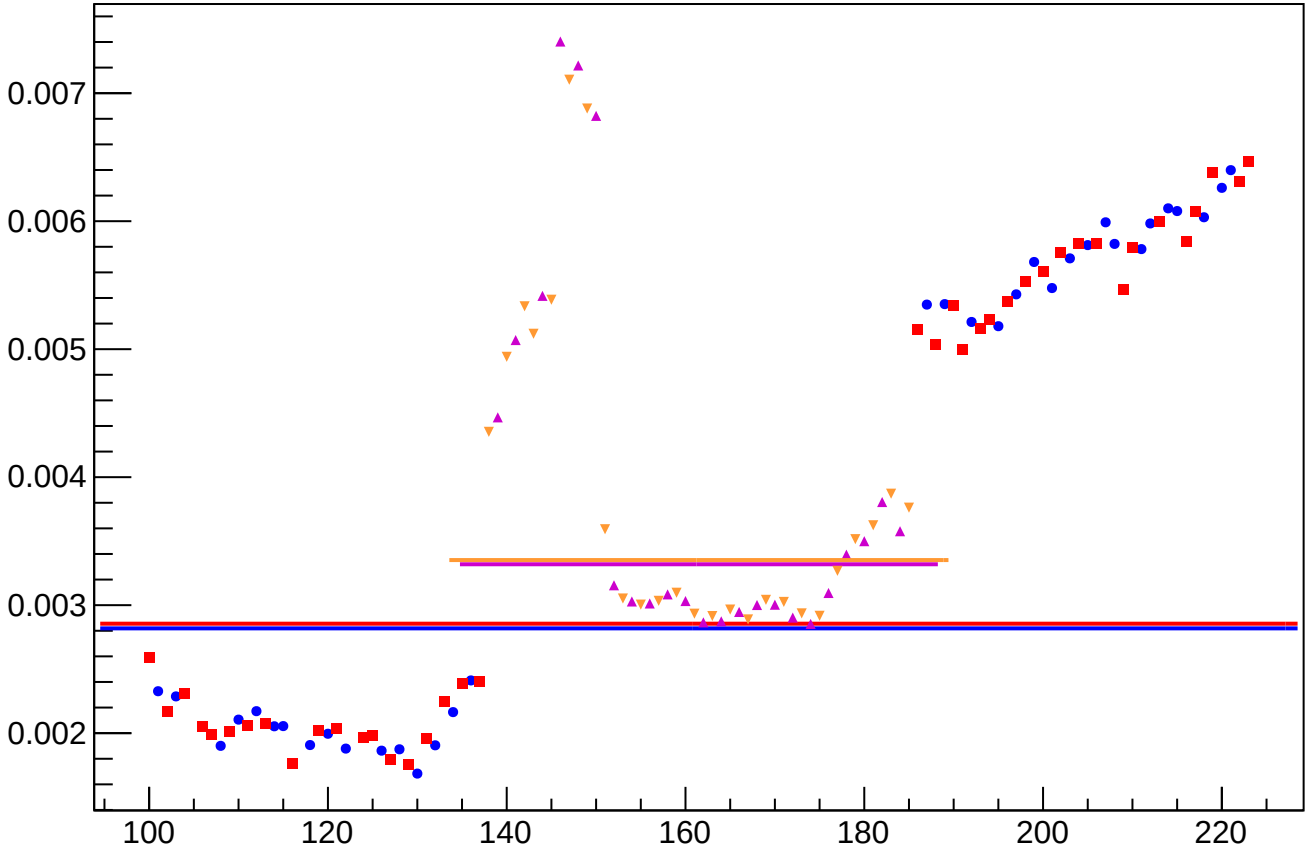
Right: 1.442+/-0.000 χ^2/NDF: 378329119276.7/72

In: 1.856+/-0.000 χ^2/NDF:1293540661655.9/56

Out: 1.858+/-0.000 χ^2/NDF:1267525927011.4/63

All: 1.857+/-0.000 χ^2/NDF: 2561078485432.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



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

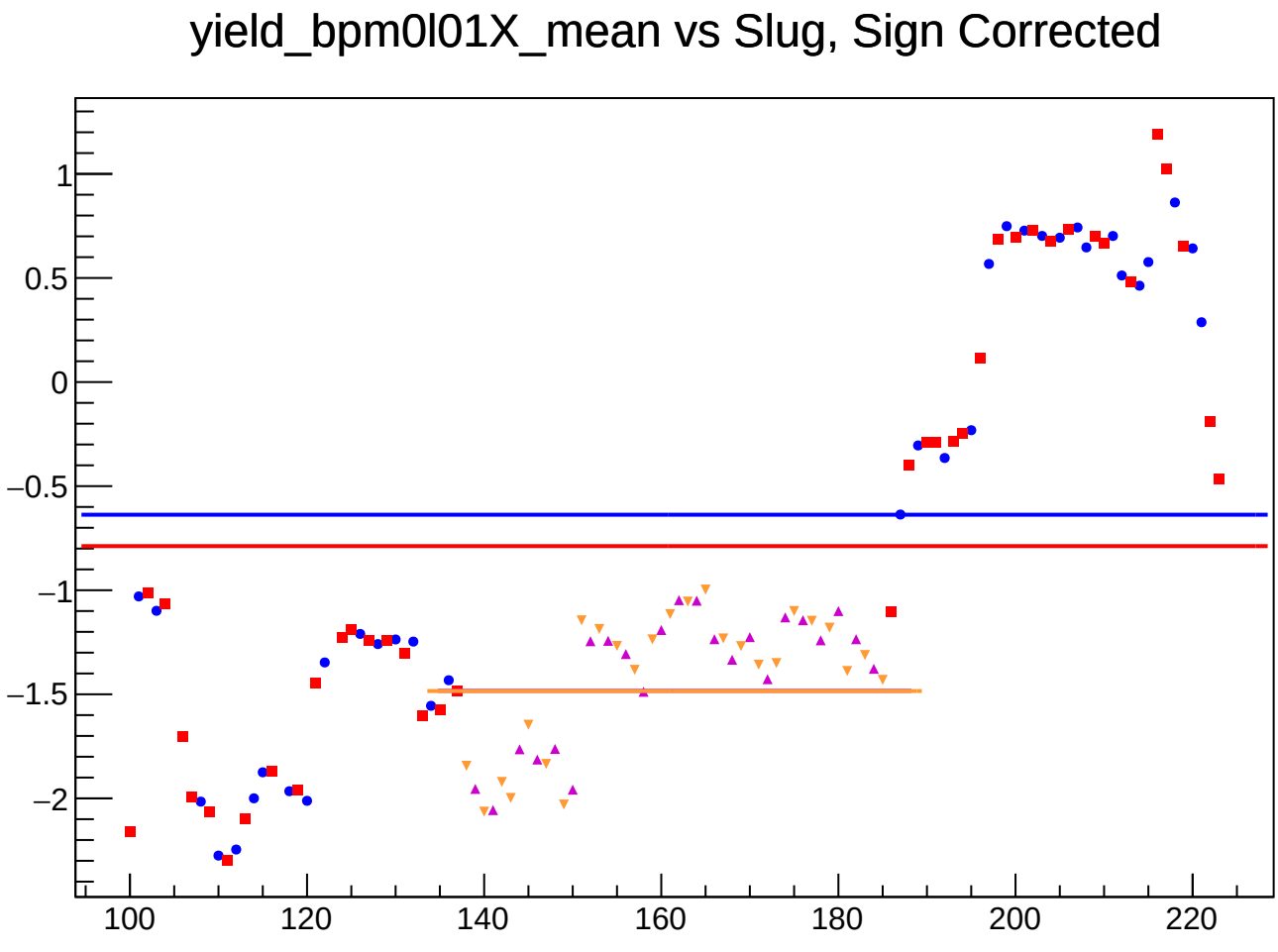
Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

Right: 0.003+/-0.000 χ^2/NDF: 19819365.5/72

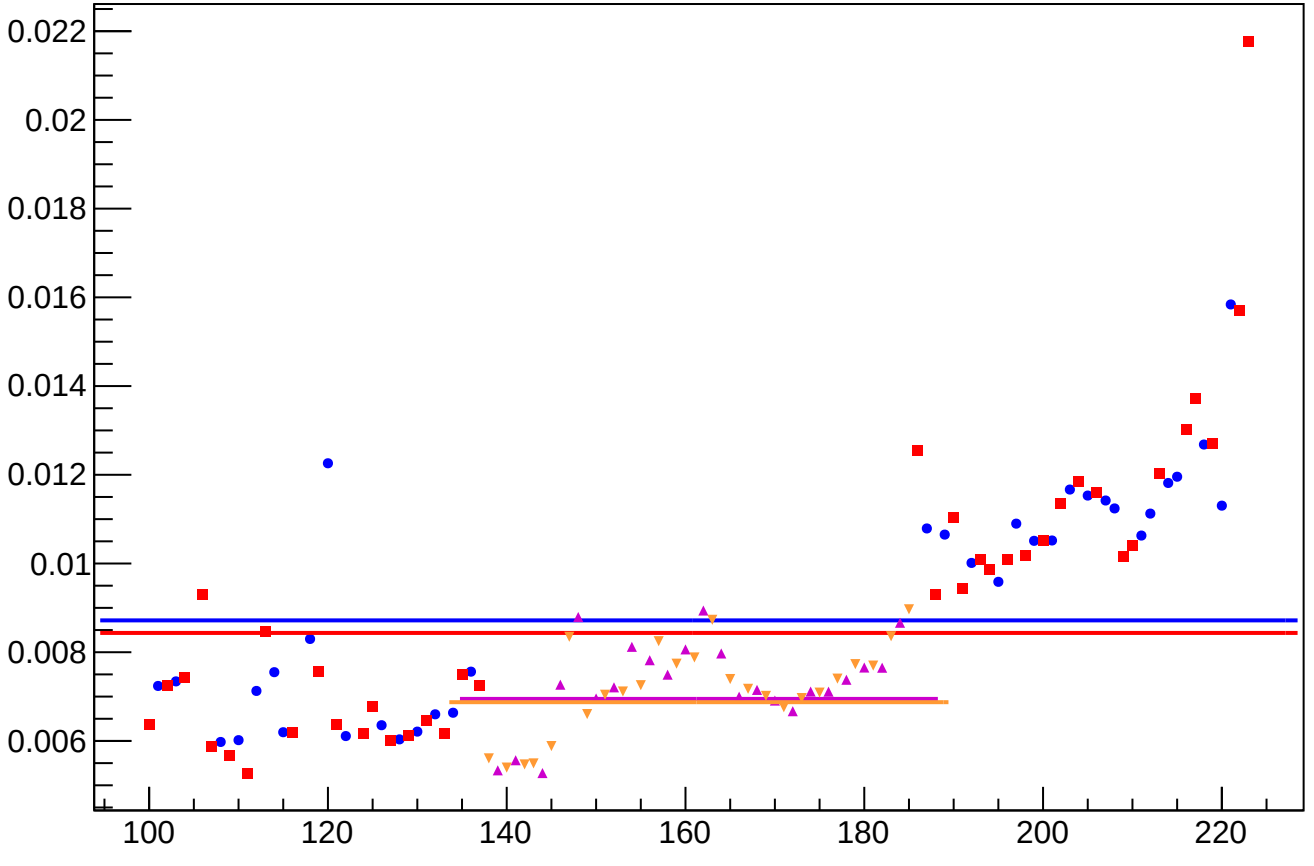
In: 0.003+/-0.000 χ^2/NDF:12434468.8/56

Out: 0.003+/-0.000 χ^2/NDF:12132985.3/63

All: 0.003+/-0.000 χ^2/NDF: 24572701.9/120


yield_bpm0l01X_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
220
Right In: -0.637+/-0.000 χ²/NDF: 279013157531.0/33
Left Out: -1.484+/-0.000 χ²/NDF:48438764764.6/24
Right Out: -0.788+/-0.000 χ²/NDF: 315981134025.5/38
Left In: -1.483+/-0.000 χ²/NDF:40353431150.9/22
Left: -1.484+/-0.000 χ²/NDF: 88792333216.2/47
Right: -0.716+/-0.000 χ²/NDF: 598036428916.4/72
In: -1.128+/-0.000 χ²/NDF:425380274033.4/56
Out: -1.190+/-0.000 χ²/NDF:442868433417.4/63
All: -1.160+/-0.000 χ²/NDF: 869471920443.9

yield_bpm0l01X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

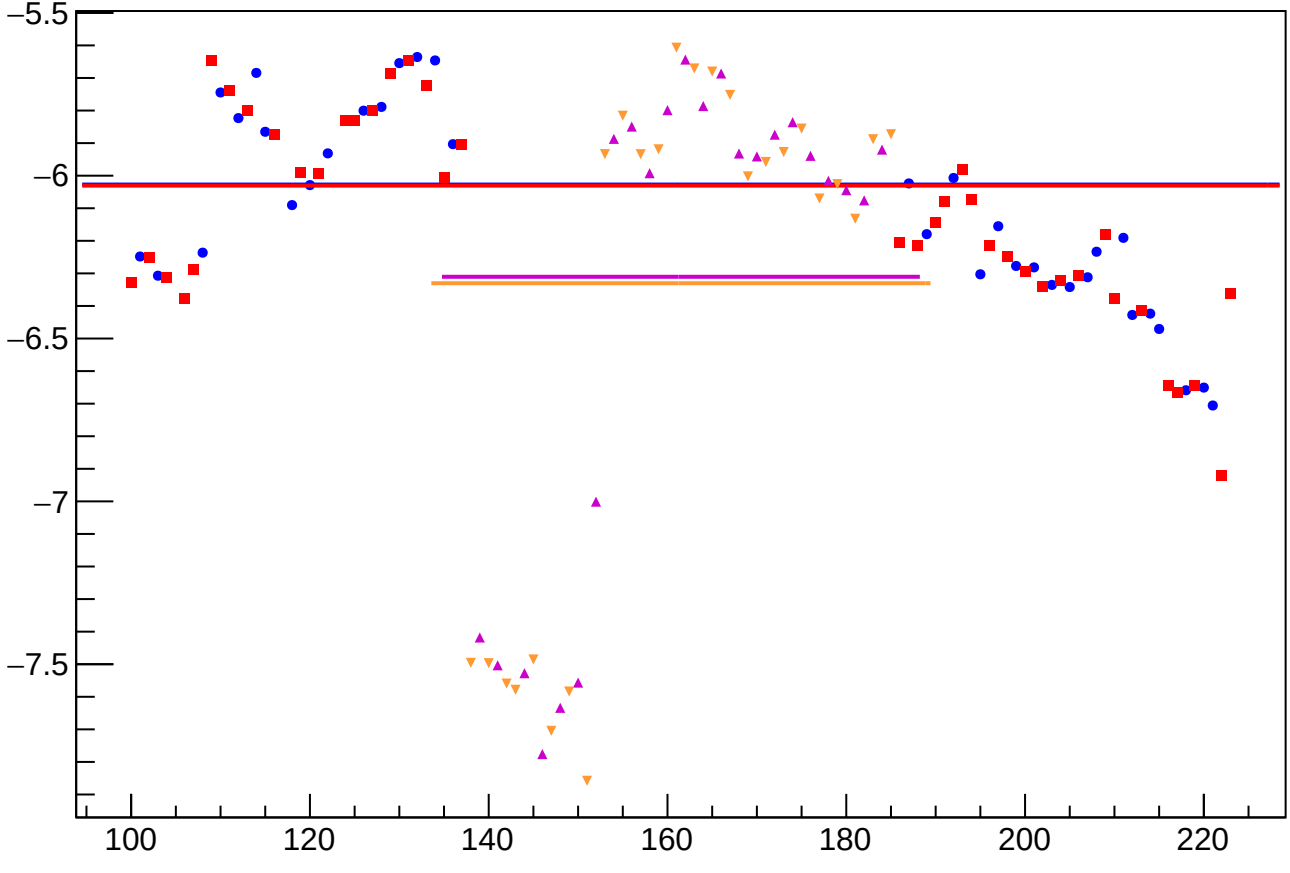
Right: 0.009+/-0.000 χ^2/NDF: 6742004.8/72

In: 0.008+/-0.000 χ^2/NDF:4639018.4/56

Out: 0.008+/-0.000 χ^2/NDF:5291133.4/63

All: 0.008+/-0.000 χ^2/NDF: 9945911.9/120

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

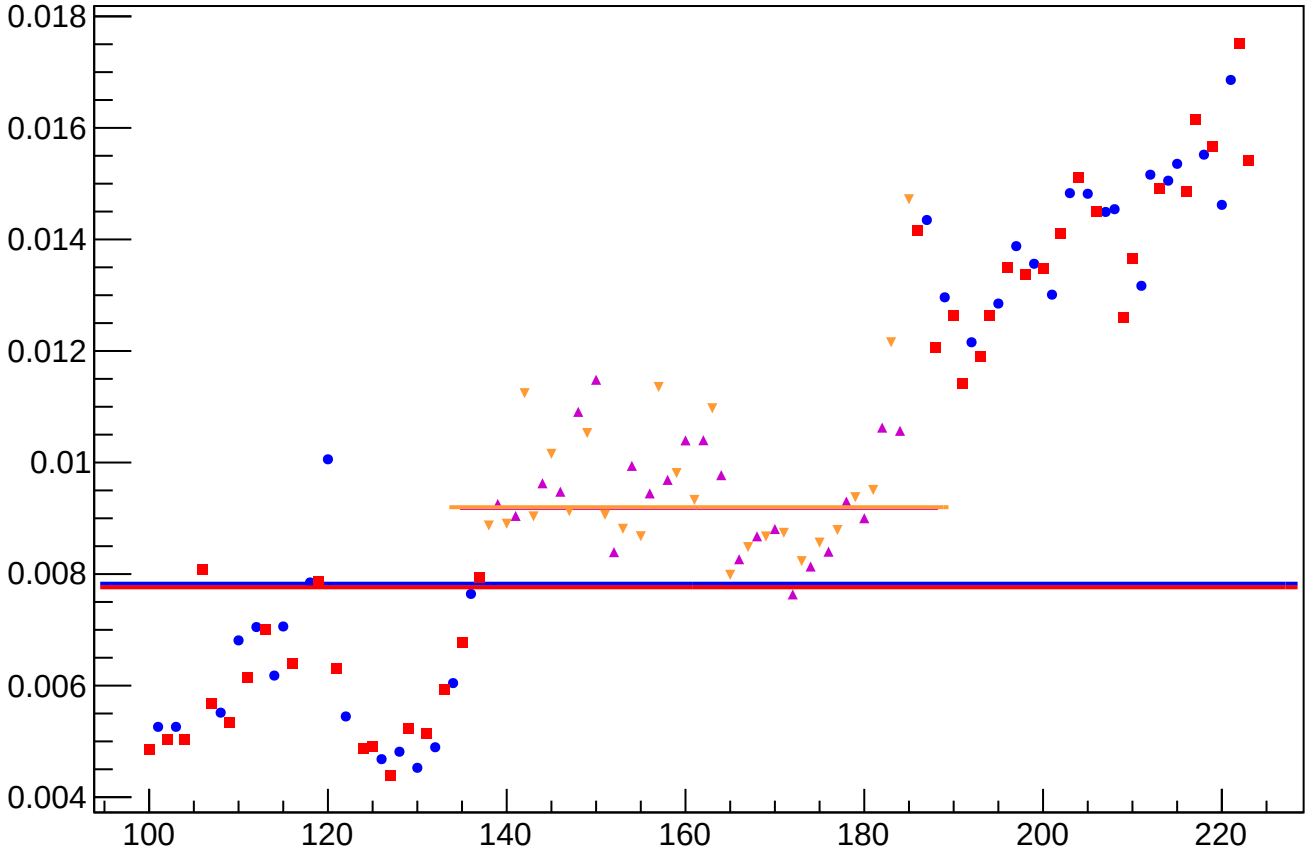
Right: -6.029+/-0.000 χ^2/NDF: 47352996506.1/72

In: -6.142+/-0.000 χ^2/NDF:123397405977.8/56

Out: -6.150+/-0.000 χ^2/NDF:145003934495.7/63

All: -6.146+/-0.000 χ^2/NDF: 268417005656.7

yield_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

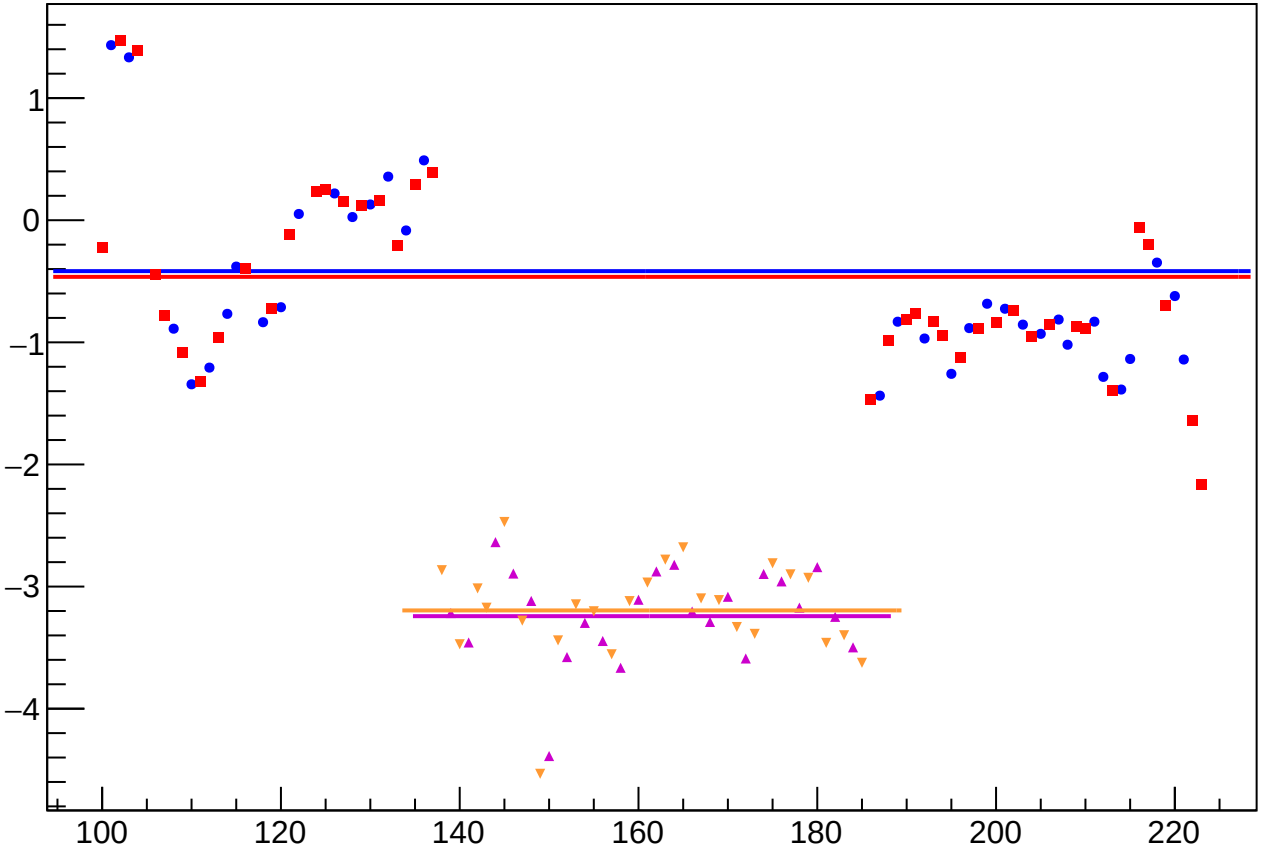
Right: 0.008+/-0.000 χ^2/NDF: 16746965.1/72

In: 0.008+/-0.000 χ^2/NDF:9108598.4/56

Out: 0.008+/-0.000 χ^2/NDF:9197074.3/63

All: 0.008+/-0.000 χ^2/NDF: 18306444.0/120

yield_bpm0l02X_mean vs Slug, Sign Corrected



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

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

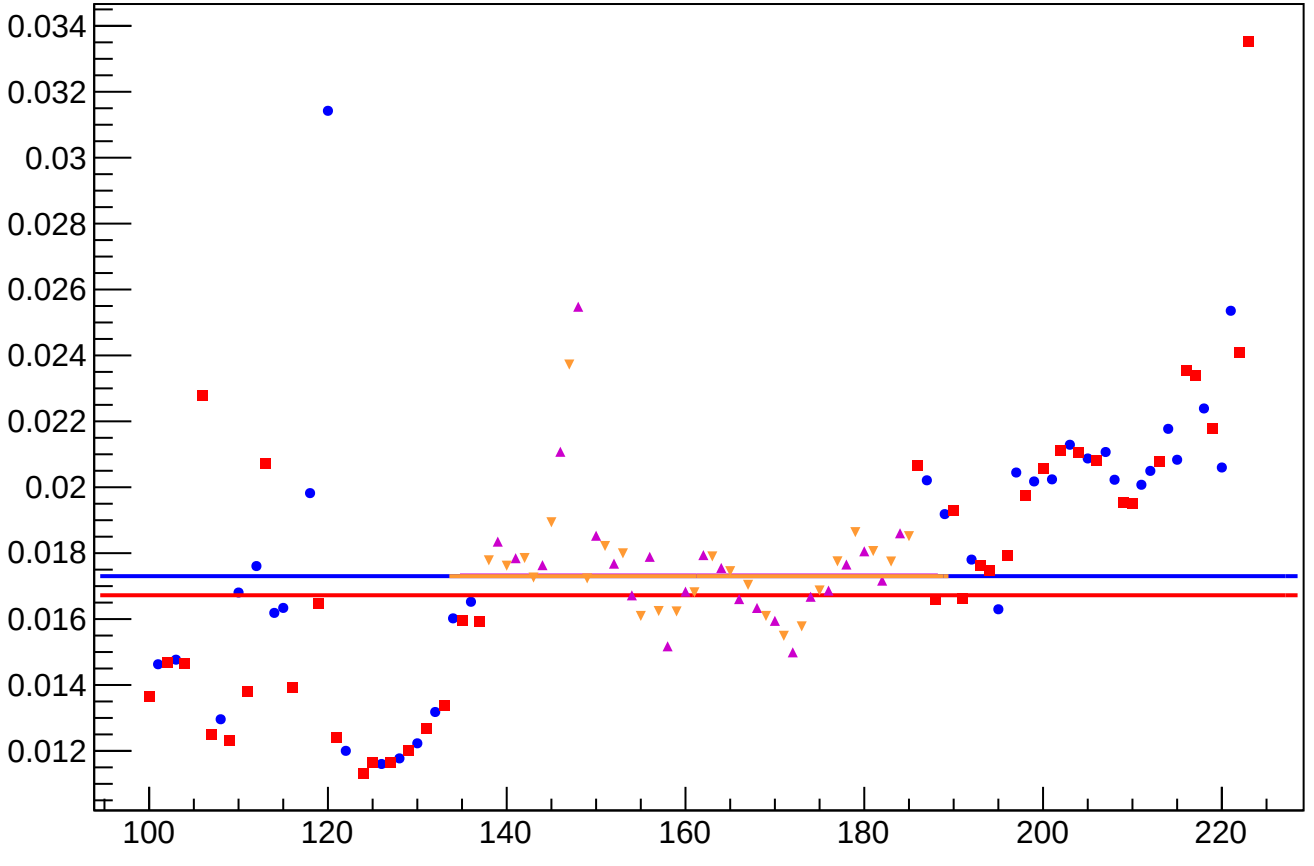
Right: -0.442+/-0.000 χ^2/NDF: 82618683322.7/72

In: -1.734+/-0.000 χ^2/NDF:297511243984.1/56

Out: -1.706+/-0.000 χ^2/NDF:303908300489.5/63

All: -1.720+/-0.000 χ^2/NDF: 601471049706.9

yield_bpm0l02X_rms vs Slug, Sign Corrected



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

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

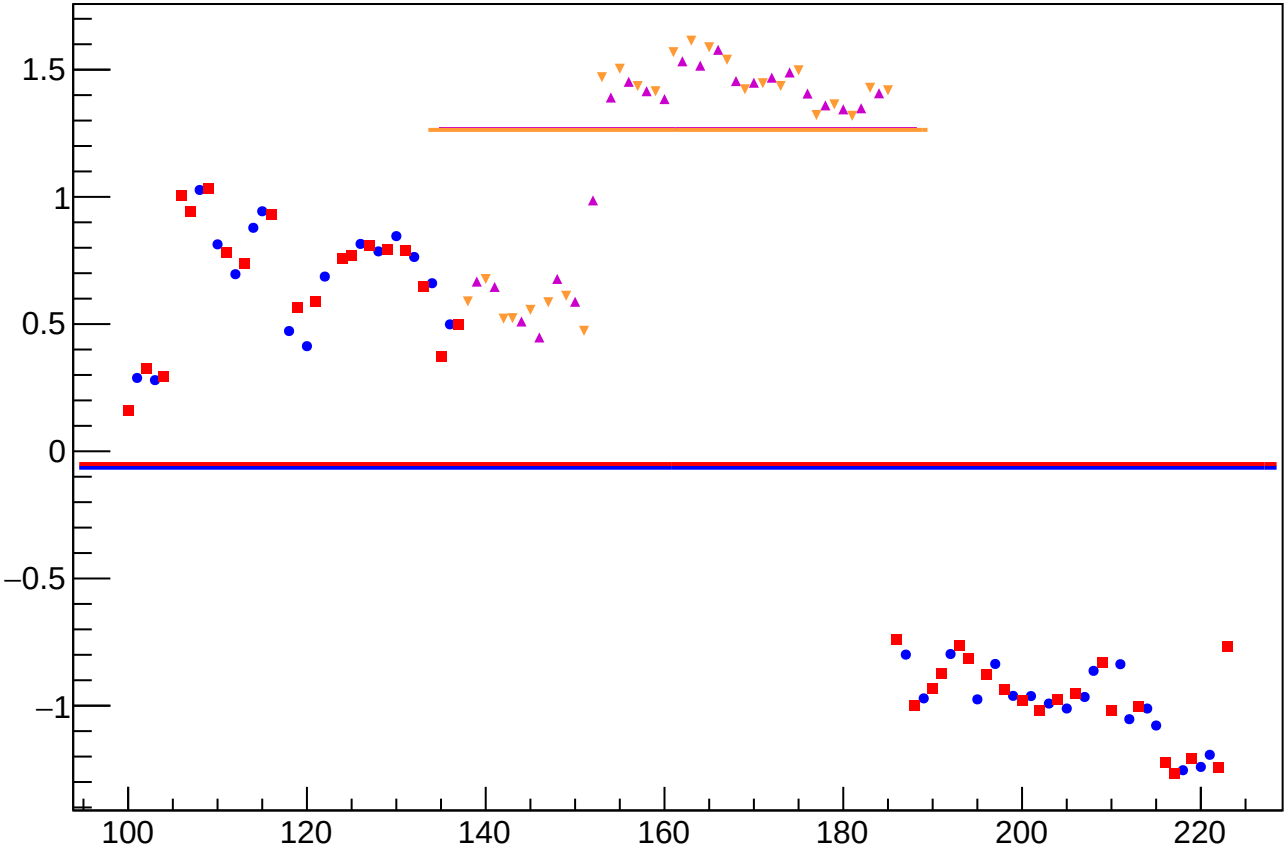
Right: 0.017+/-0.000 χ^2/NDF: 4349771.3/72

In: 0.017+/-0.000 χ^2/NDF:2314144.0/56

Out: 0.017+/-0.000 χ^2/NDF:2582543.1/63

All: 0.017+/-0.000 χ^2/NDF: 4910581.8/120

yield_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

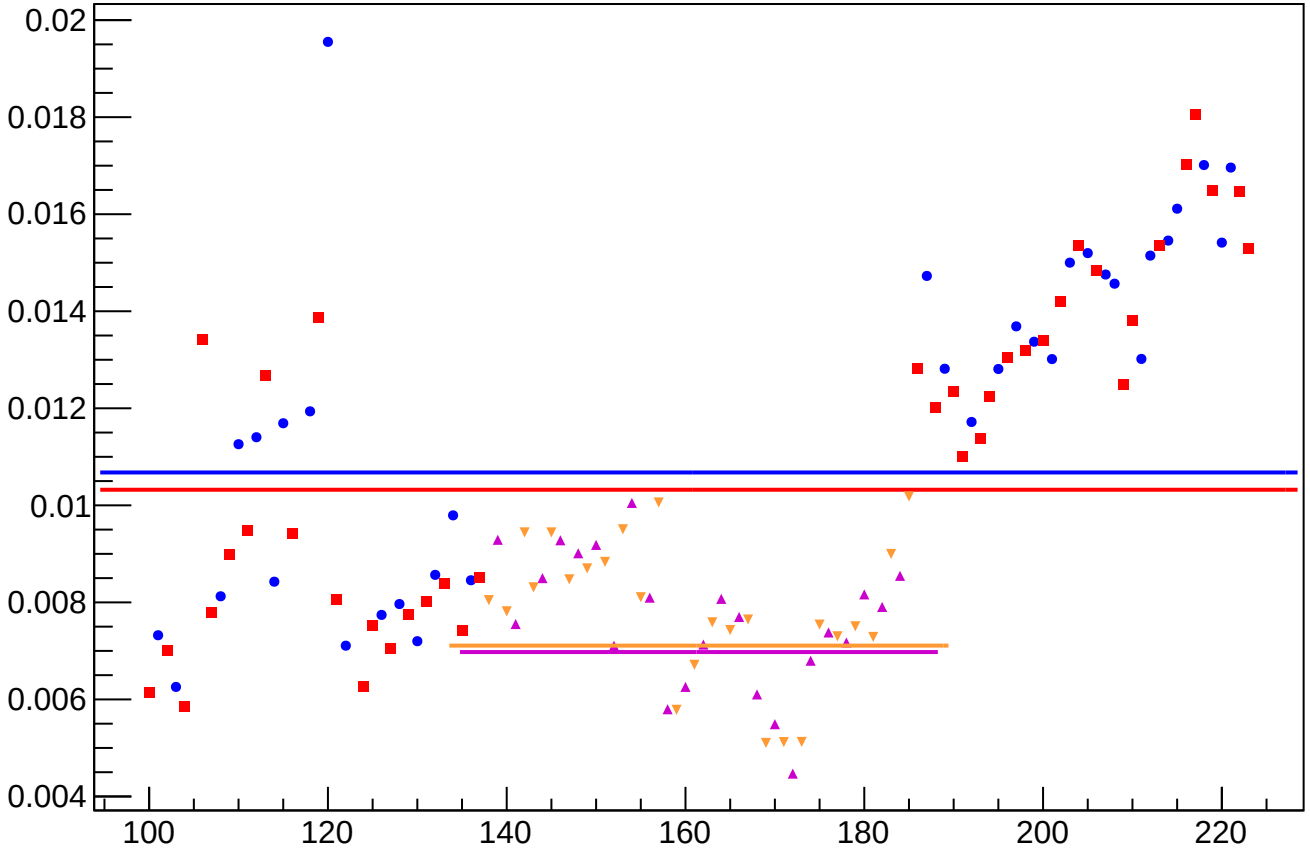
Right: -0.057+/-0.000 χ^2/NDF: 226889277665.8/72

In: 0.828+/-0.000 χ^2/NDF:341260219627.5/56

Out: 0.802+/-0.000 χ^2/NDF:368153872980.9/63

All: 0.814+/-0.000 χ^2/NDF: 709586520275.3

yield_bpm0l02Y_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

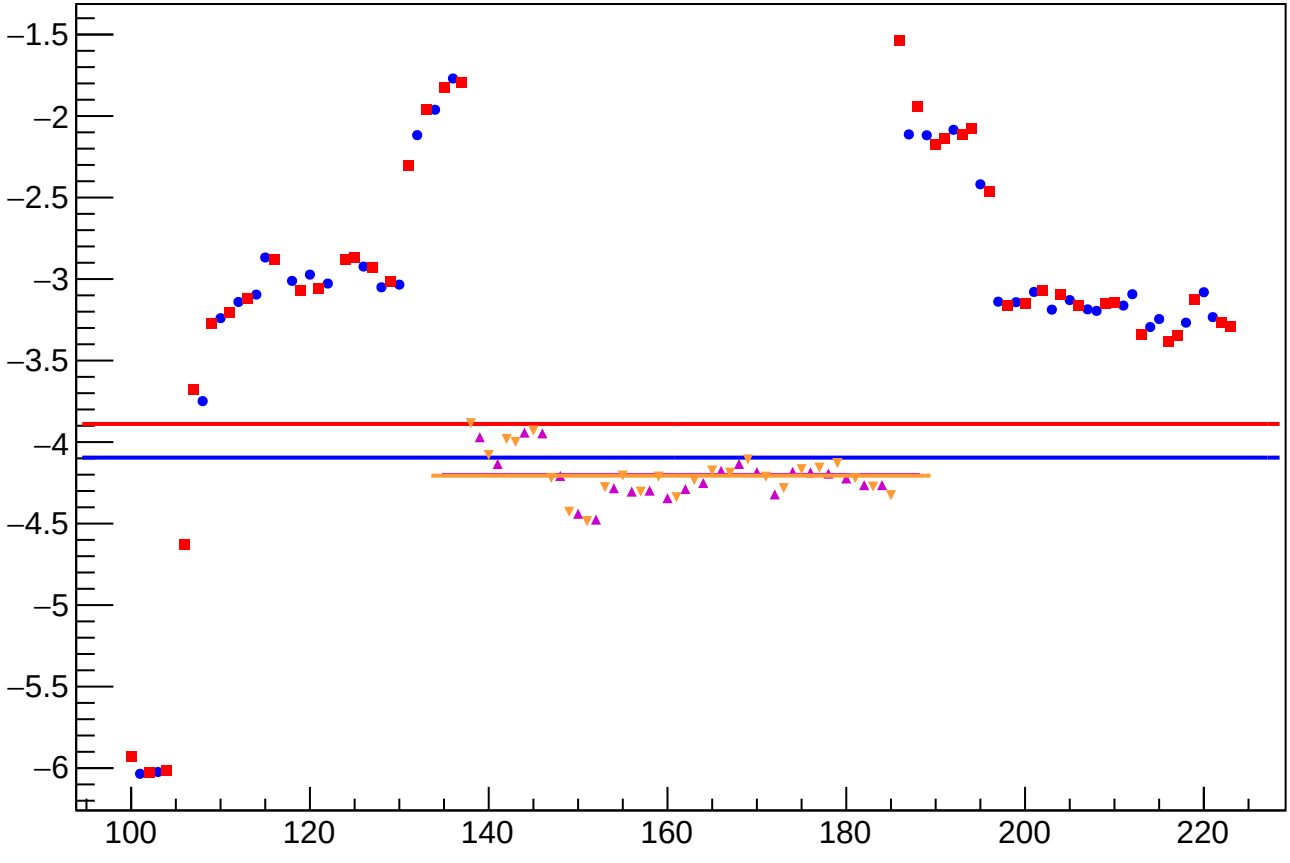
Right: 0.010+/-0.000 χ^2/NDF: 8229587.1/72

In: 0.008+/-0.000 χ^2/NDF:8453264.8/56

Out: 0.008+/-0.000 χ^2/NDF:8189031.3/63

All: 0.008+/-0.000 χ^2/NDF: 16643168.6/120

yield_bpm0l03X_mean vs Slug, Sign Corrected



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

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

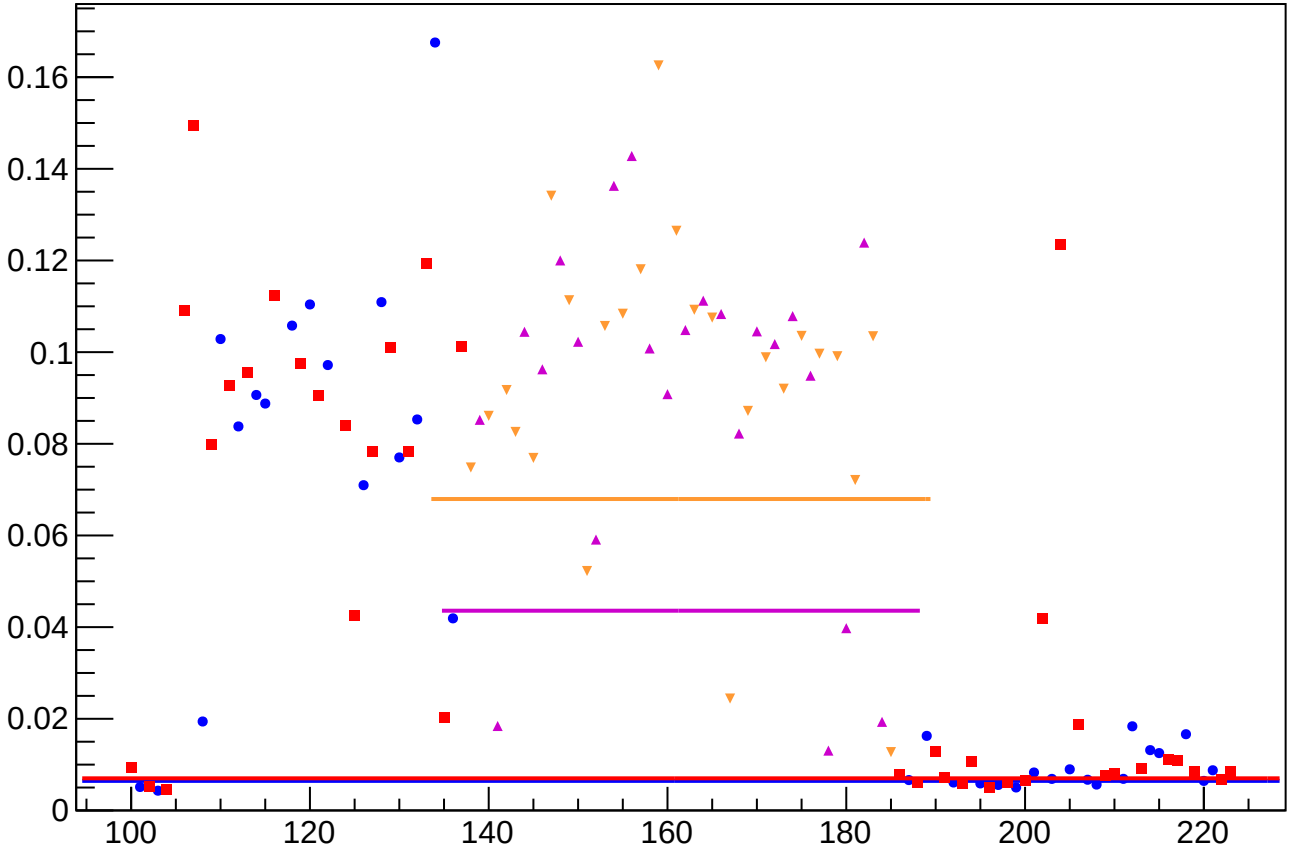
Right: -4.000+/-0.000 χ^2/NDF: 631528969498.2/72

In: -4.098+/-0.000 χ^2/NDF:314178382364.8/56

Out: -3.896+/-0.000 χ^2/NDF:315099677217.6/63

All: -4.006+/-0.000 χ^2/NDF: 631904801076.9

yield_bpm0l03X_rms vs Slug, Sign Corrected



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

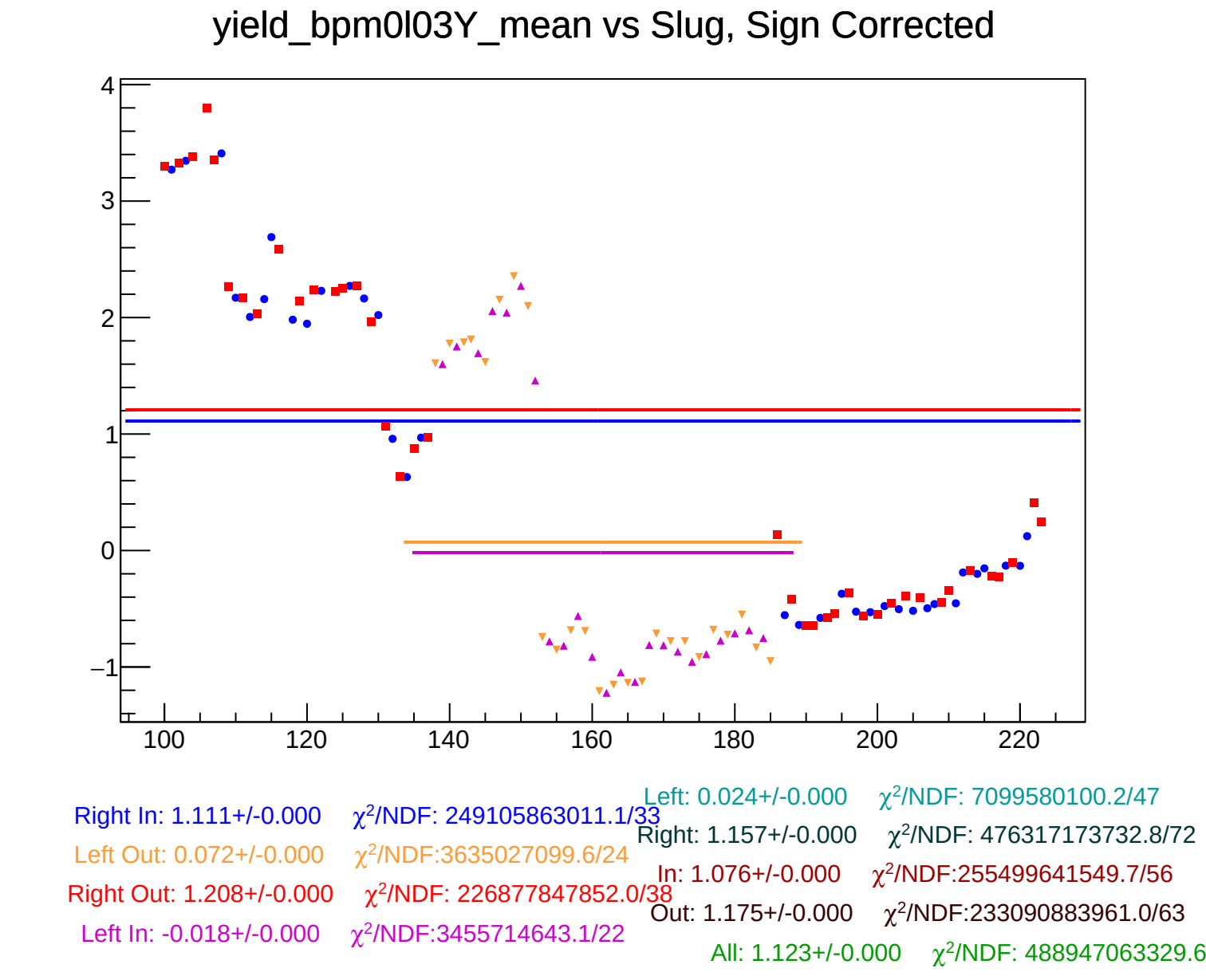
Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

Right: 0.007+/-0.000 χ^2/NDF: 20627553.1/72

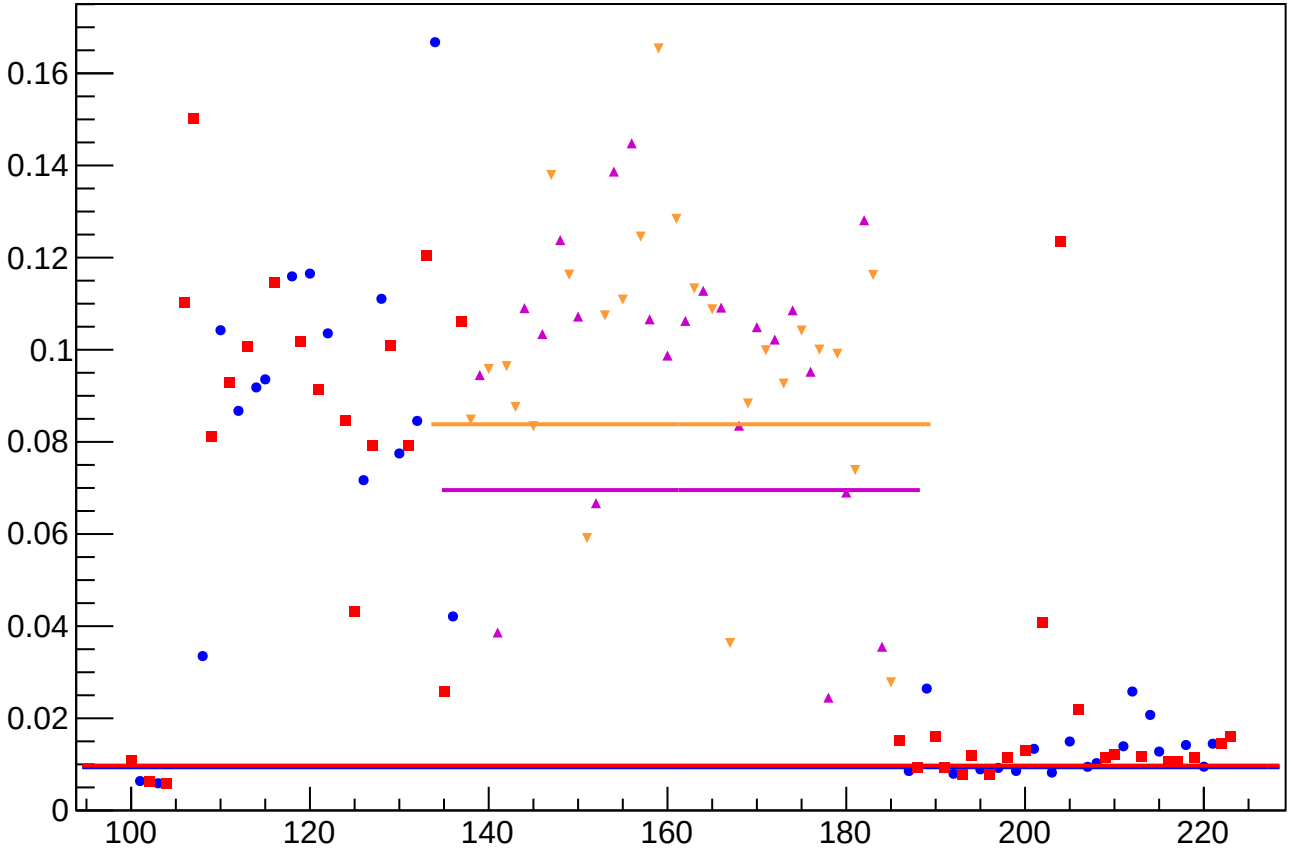
In: 0.008+/-0.000 χ^2/NDF:33372233.9/56

Out: 0.008+/-0.000 χ^2/NDF:37882160.4/63

All: 0.008+/-0.000 χ^2/NDF: 71344206.6/120


yield_bpm0l03Y_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: 1.111+/-0.000 χ²/NDF: 249105863011.1/33
Left Out: 0.072+/-0.000 χ²/NDF:3635027099.6/24
Right Out: 1.208+/-0.000 χ²/NDF: 226877847852.0/38
Left In: -0.018+/-0.000 χ²/NDF:3455714643.1/22
Left: 0.024+/-0.000 χ²/NDF: 7099580100.2/47
Right: 1.157+/-0.000 χ²/NDF: 476317173732.8/72
In: 1.076+/-0.000 χ²/NDF:255499641549.7/56
Out: 1.175+/-0.000 χ²/NDF:233090883961.0/63
All: 1.123+/-0.000 χ²/NDF: 488947063329.6

yield_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

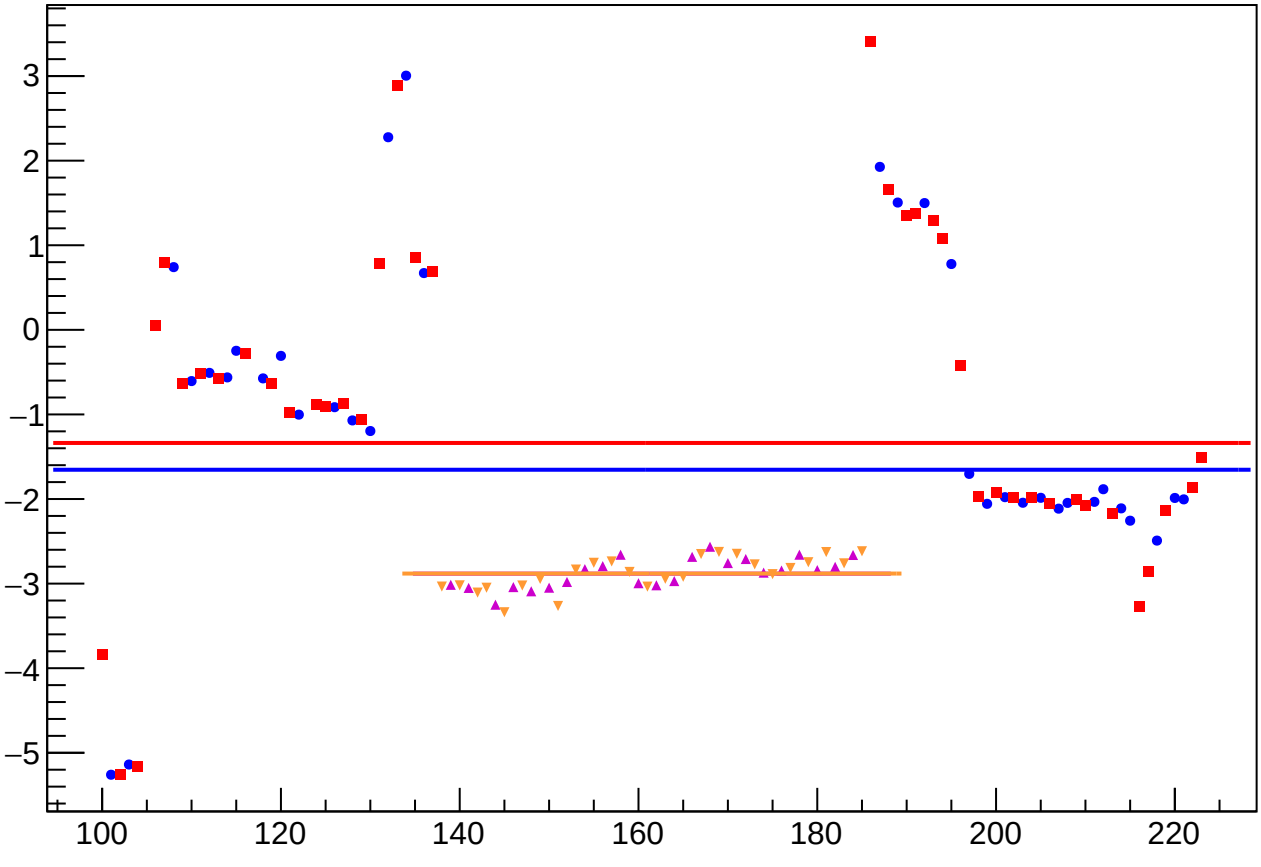
Right: 0.010+/-0.000 χ^2/NDF: 20236824.9/72

In: 0.011+/-0.000 χ^2/NDF:32874712.9/56

Out: 0.012+/-0.000 χ^2/NDF:36499961.2/63

All: 0.012+/-0.000 χ^2/NDF: 69405864.0/120

yield_bpm0l04X_mean vs Slug, Sign Corrected



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

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

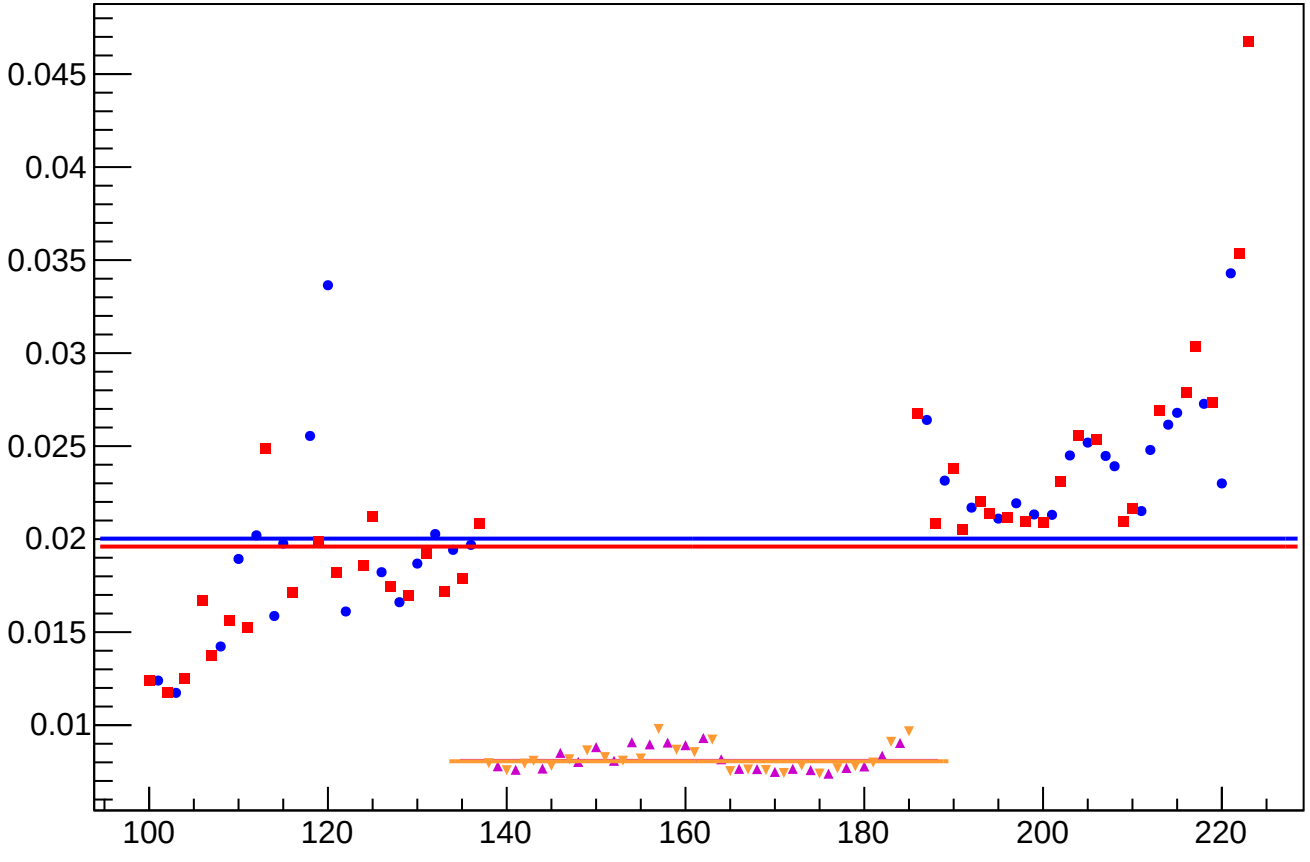
Right: -1.489+/-0.000 χ^2/NDF: 460190306482.0/72

In: -2.697+/-0.000 χ^2/NDF:280538019221.7/56

Out: -2.644+/-0.000 χ^2/NDF:360948947459.9/63

All: -2.670+/-0.000 χ^2/NDF: 641947193657.5

yield_bpm0l04X_rms vs Slug, Sign Corrected



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

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

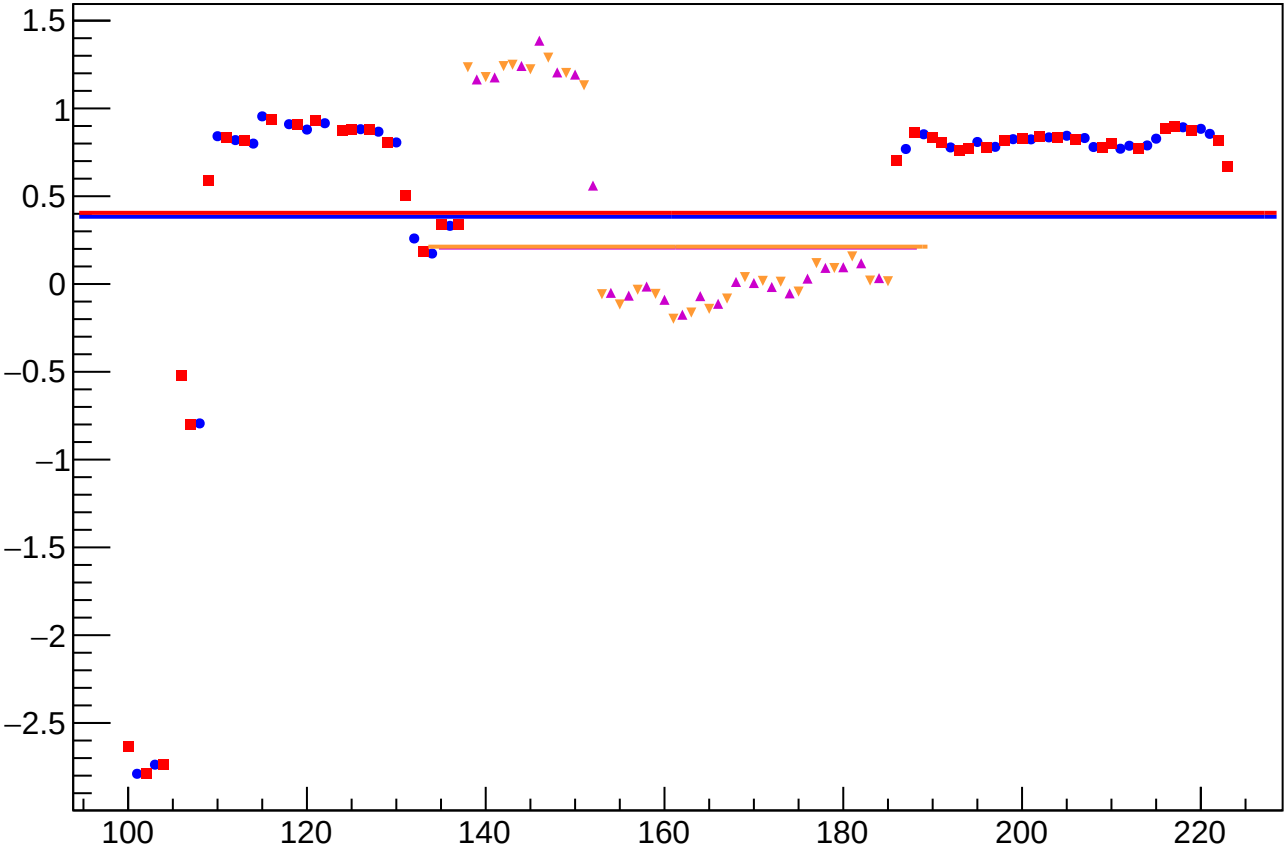
Right: 0.020+/-0.000 χ^2/NDF: 5356107.8/72

In: 0.010+/-0.000 χ^2/NDF:14191010.1/56

Out: 0.010+/-0.000 χ^2/NDF:14671884.4/63

All: 0.010+/-0.000 χ^2/NDF: 28863640.3/120

yield_bpm0l04Y_mean vs Slug, Sign Corrected



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

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

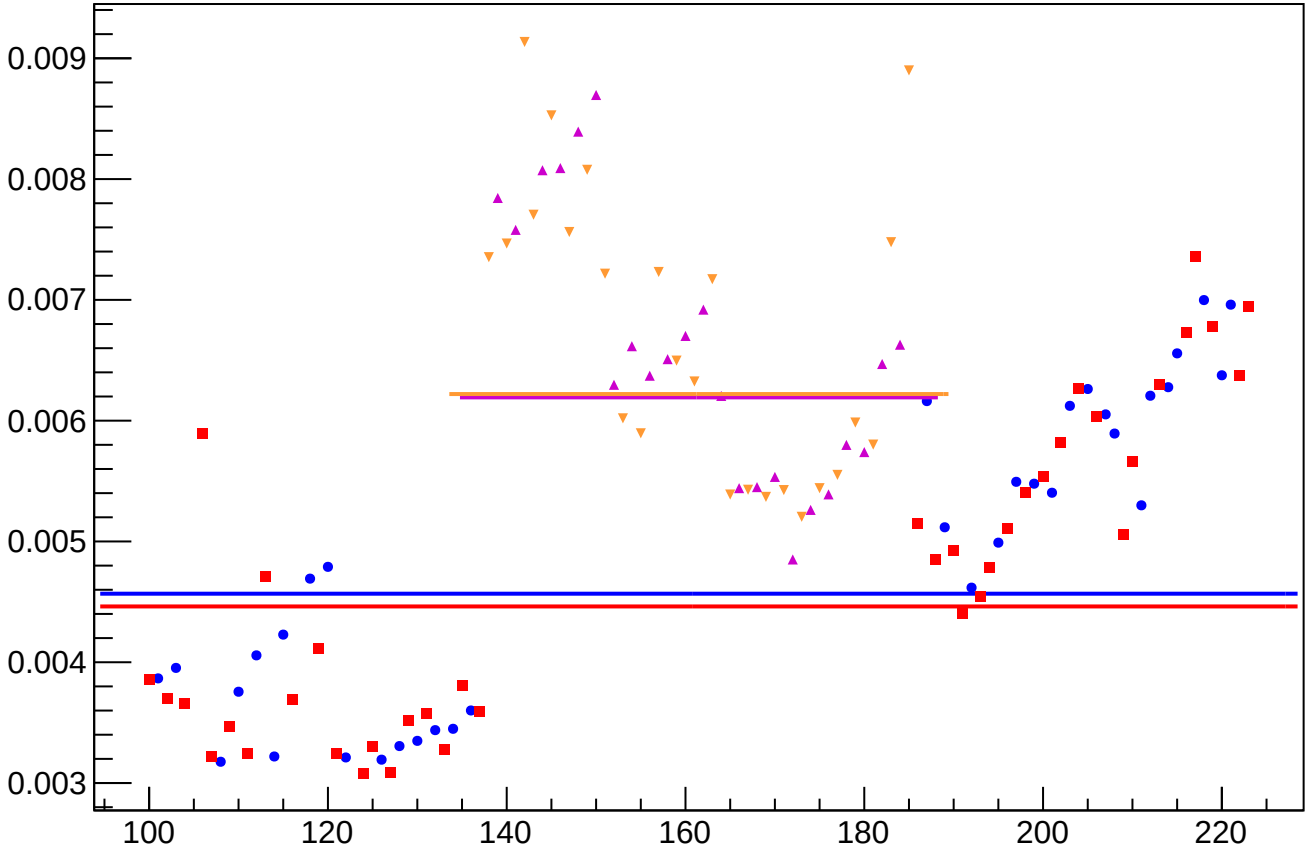
Right: 0.395+/-0.000 χ^2/NDF: 2074786592672.0/72

In: 0.330+/-0.000 χ^2/NDF:1092654064263.1/56

Out: 0.349+/-0.000 χ^2/NDF:1191974503587.4/63

All: 0.340+/-0.000 χ^2/NDF: 2284881367316.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

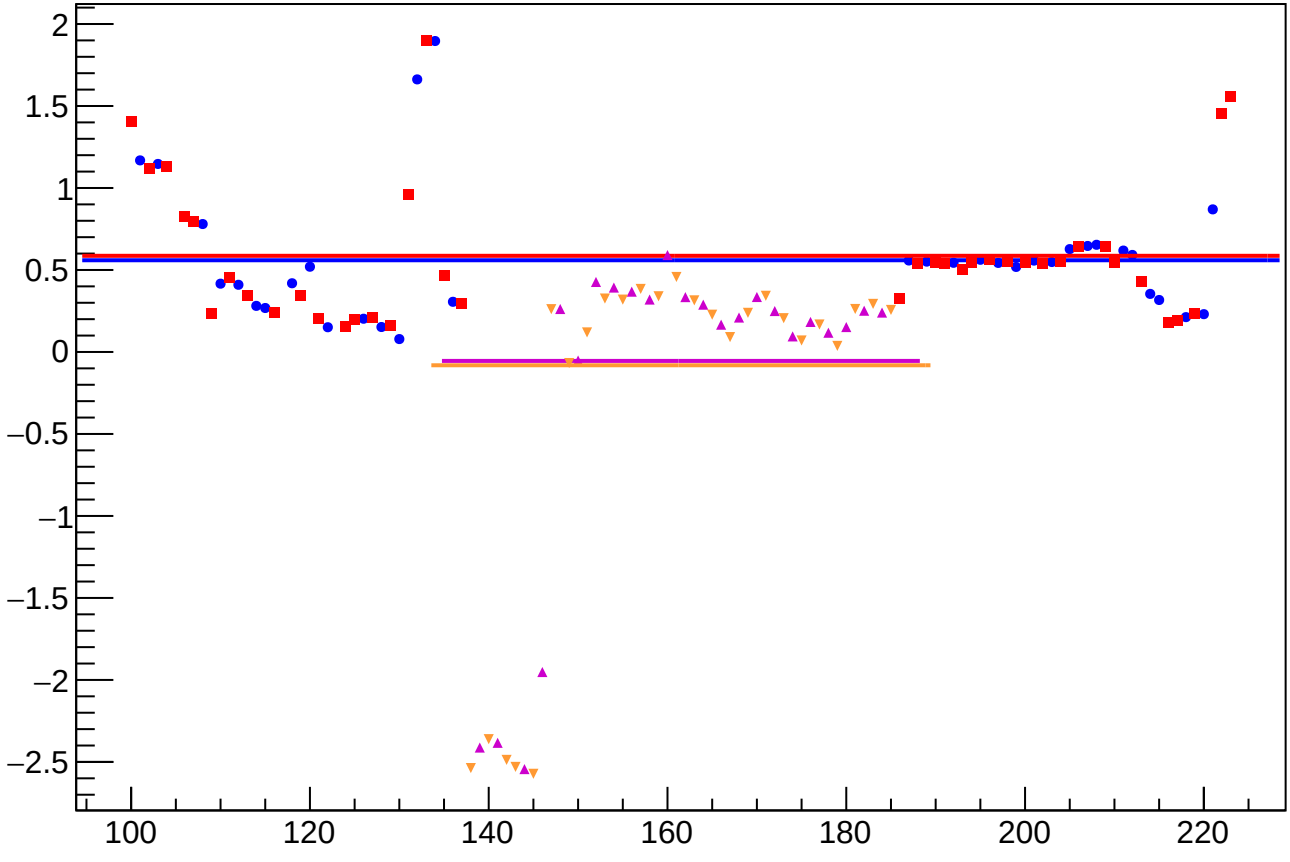
Right: 0.005+/-0.000 χ^2/NDF: 5636695.9/72

In: 0.005+/-0.000 χ^2/NDF:5108682.8/56

Out: 0.005+/-0.000 χ^2/NDF:5544150.7/63

All: 0.005+/-0.000 χ^2/NDF: 10662343.7/120

yield_bpm0l05X_mean vs Slug, Sign Corrected



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

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

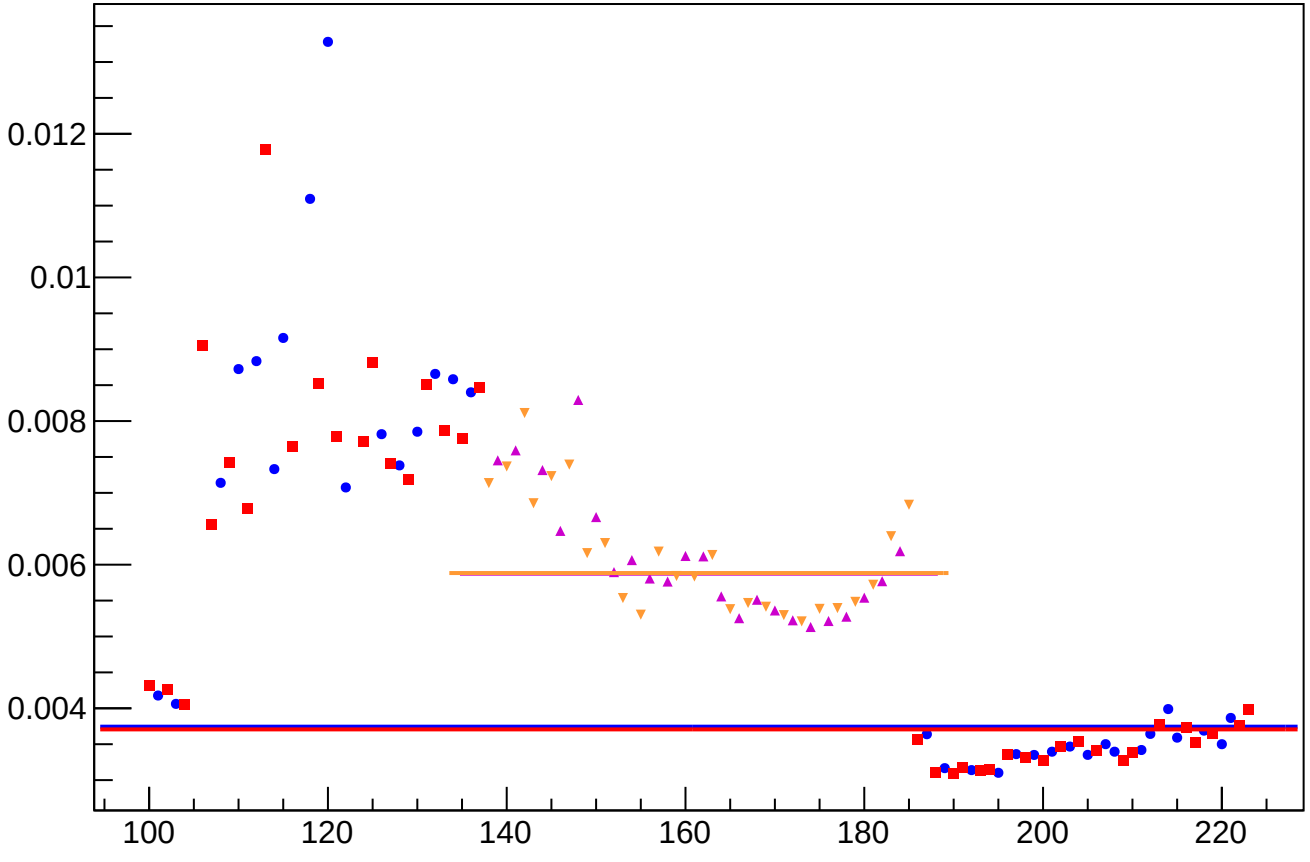
Right: 0.573+/-0.000 χ^2/NDF: 223002627439.5/72

In: 0.396+/-0.000 χ^2/NDF:556022423762.7/56

Out: 0.413+/-0.000 χ^2/NDF:703130712190.3/63

All: 0.405+/-0.000 χ^2/NDF: 1259409956670.

yield_bpm0l05X_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

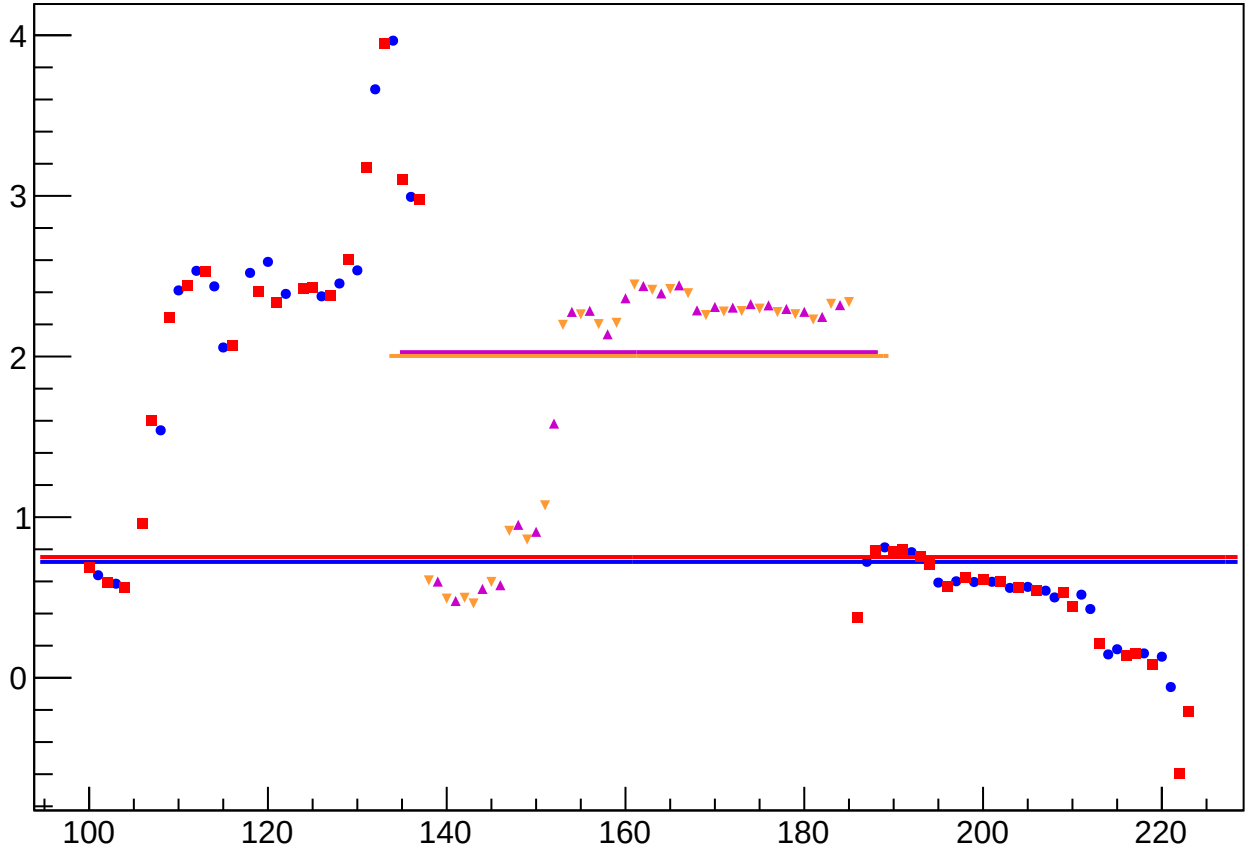
Right: 0.004+/-0.000 χ^2/NDF: 6997886.6/72

In: 0.004+/-0.000 χ^2/NDF:7260971.9/56

Out: 0.004+/-0.000 χ^2/NDF:7501970.6/63

All: 0.004+/-0.000 χ^2/NDF: 14765570.6/120

yield_bpm0l05Y_mean vs Slug, Sign Corrected



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

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

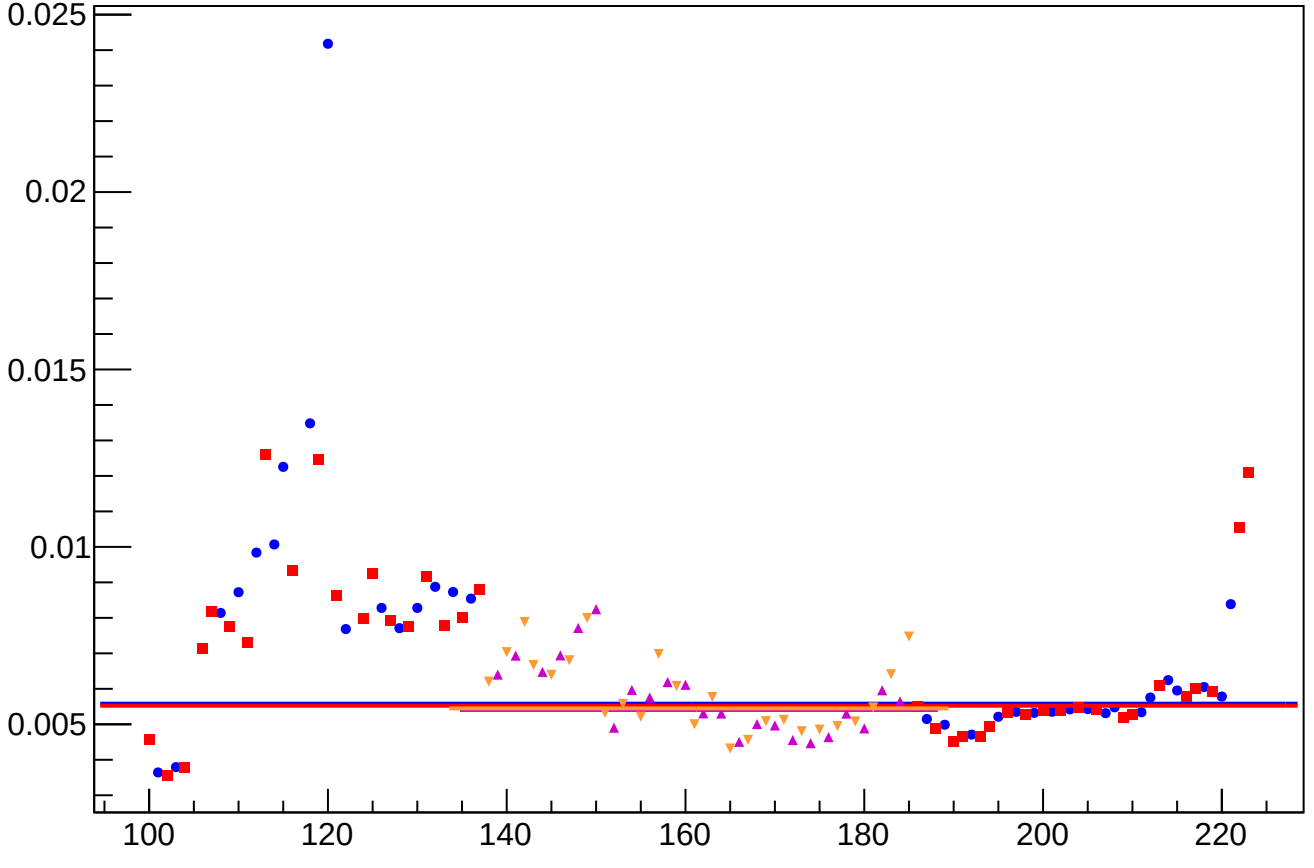
Right: 0.737+/-0.000 χ^2/NDF: 635405998040.6/72

In: 1.327+/-0.000 χ^2/NDF:977924125194.7/56

Out: 1.325+/-0.000 χ^2/NDF:1025103256787.0/63

All: 1.326+/-0.000 χ^2/NDF: 2003032191991.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

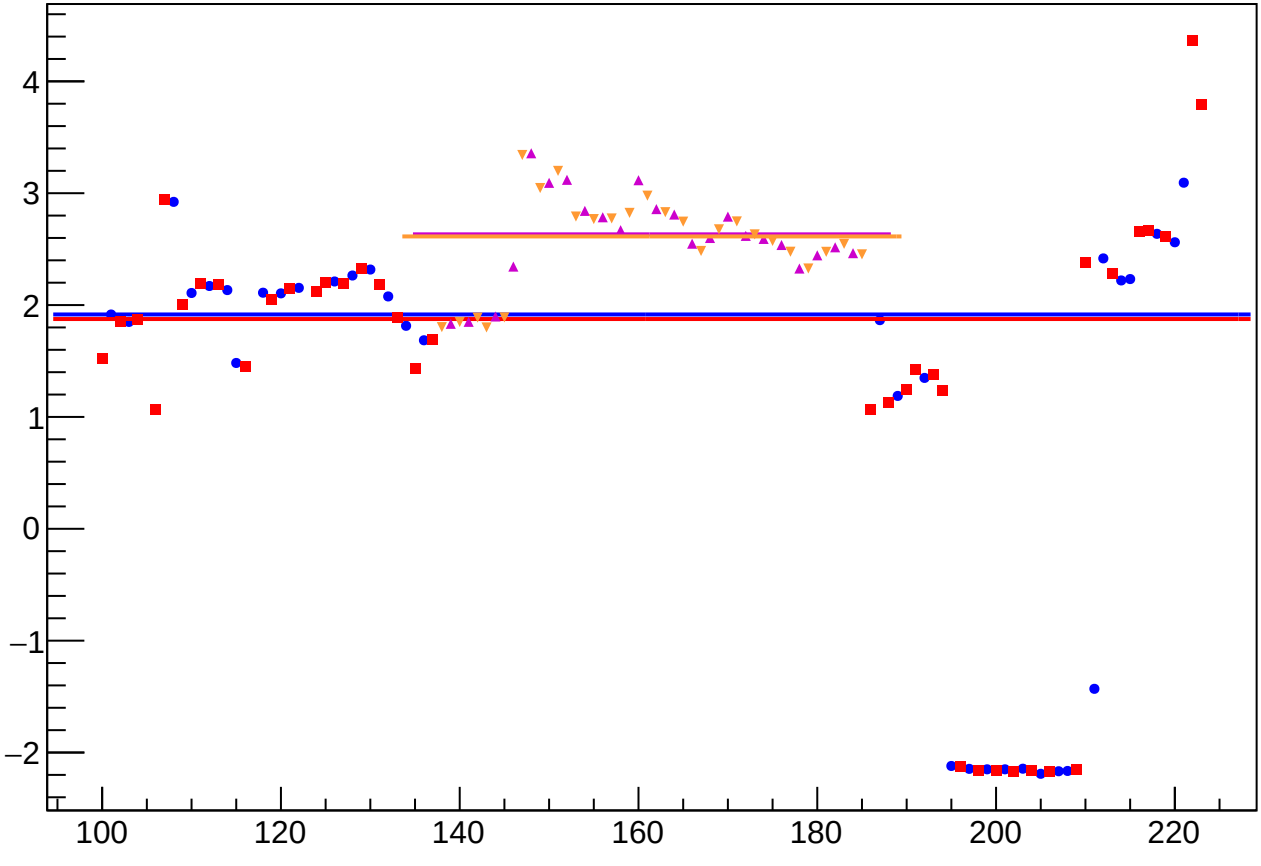
Right: 0.006+/-0.000 χ^2/NDF: 5400447.0/72

In: 0.005+/-0.000 χ^2/NDF:3405918.9/56

Out: 0.005+/-0.000 χ^2/NDF:3600098.8/63

All: 0.005+/-0.000 χ^2/NDF: 7006129.6/120

yield_bpm0l06X_mean vs Slug, Sign Corrected



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

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

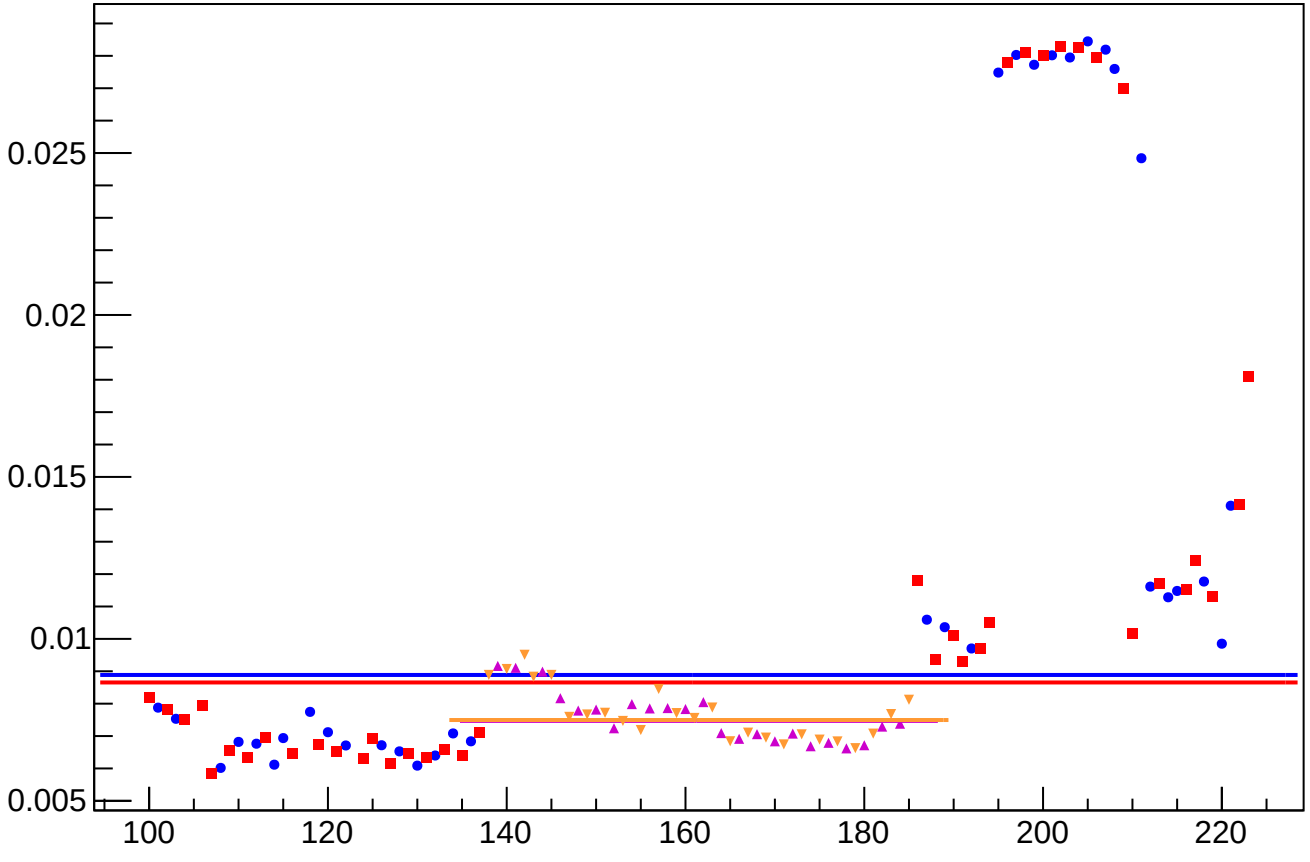
Right: 1.894+/-0.000 χ^2/NDF: 409205675472.6/72

In: 2.342+/-0.000 χ^2/NDF:305764767338.6/56

Out: 2.301+/-0.000 χ^2/NDF:329393860944.0/63

All: 2.320+/-0.000 χ^2/NDF: 635614494734.2

yield_bpm0l06X_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

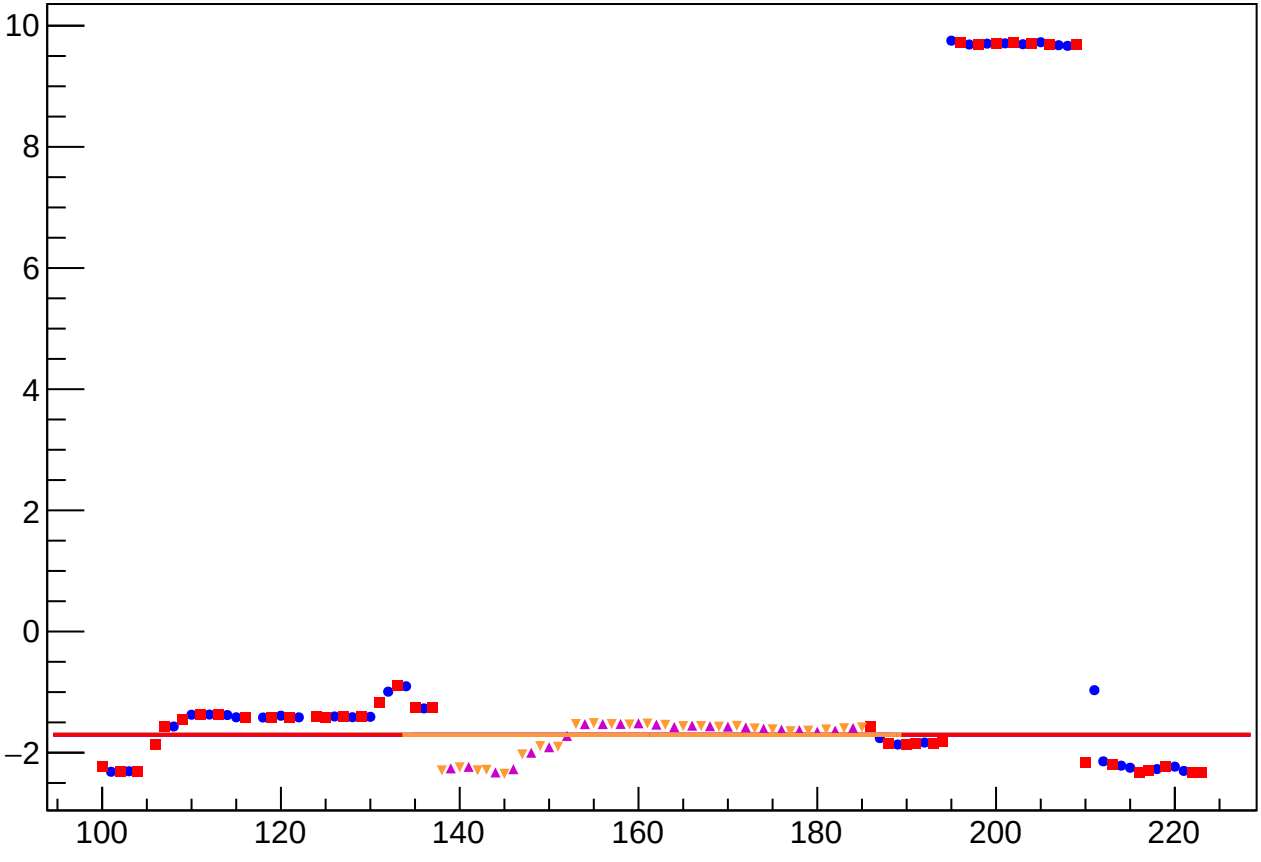
Right: 0.009+/-0.000 χ^2/NDF: 17337989.0/72

In: 0.008+/-0.000 χ^2/NDF:9871204.4/56

Out: 0.008+/-0.000 χ^2/NDF:8984133.8/63

All: 0.008+/-0.000 χ^2/NDF: 18857069.5/120

yield_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

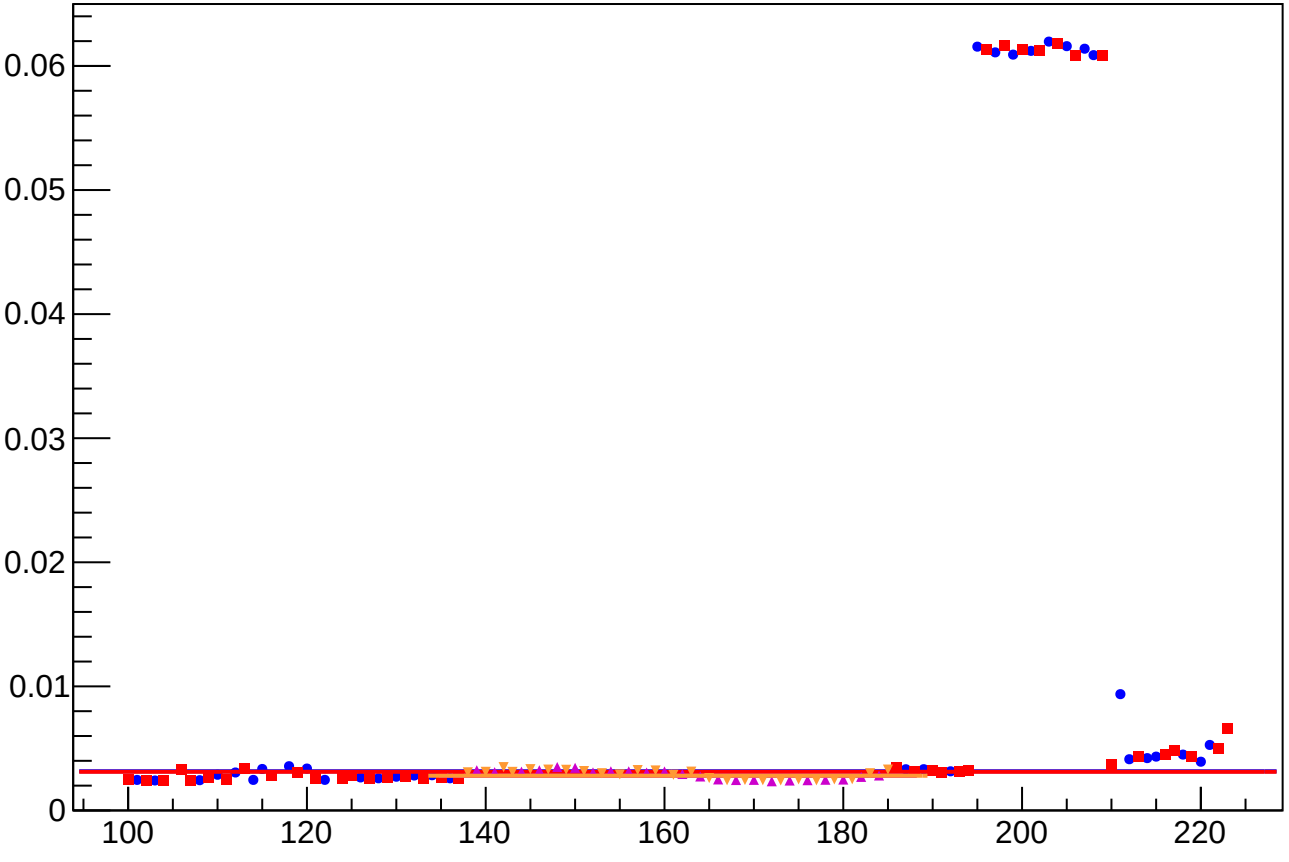
Right: -1.704+/-0.000 χ^2/NDF: 1010630782180.2/7

In: -1.705+/-0.000 χ^2/NDF:651985351984.6/56

Out: -1.706+/-0.000 χ^2/NDF:647044086954.0/63

All: -1.706+/-0.000 χ^2/NDF: 1299031432458

yield_bpm0l06Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

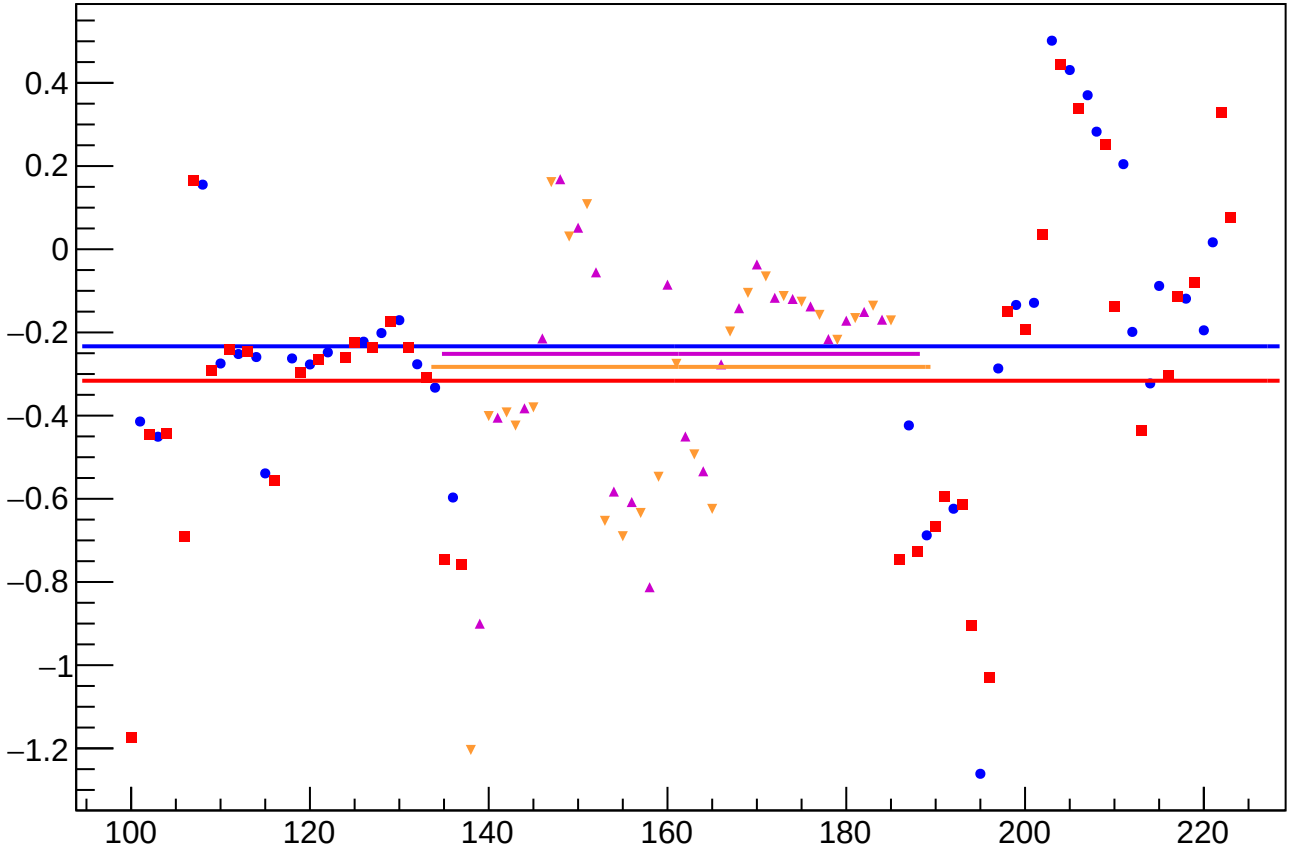
Right: 0.003+/-0.000 χ^2/NDF: 26826541.1/72

In: 0.003+/-0.000 χ^2/NDF:14820608.4/56

Out: 0.003+/-0.000 χ^2/NDF:13536250.6/63

All: 0.003+/-0.000 χ^2/NDF: 28356865.6/120

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 9889806573.8/33

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.316+/-0.000 χ^2/NDF: 10659669677.8/38

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

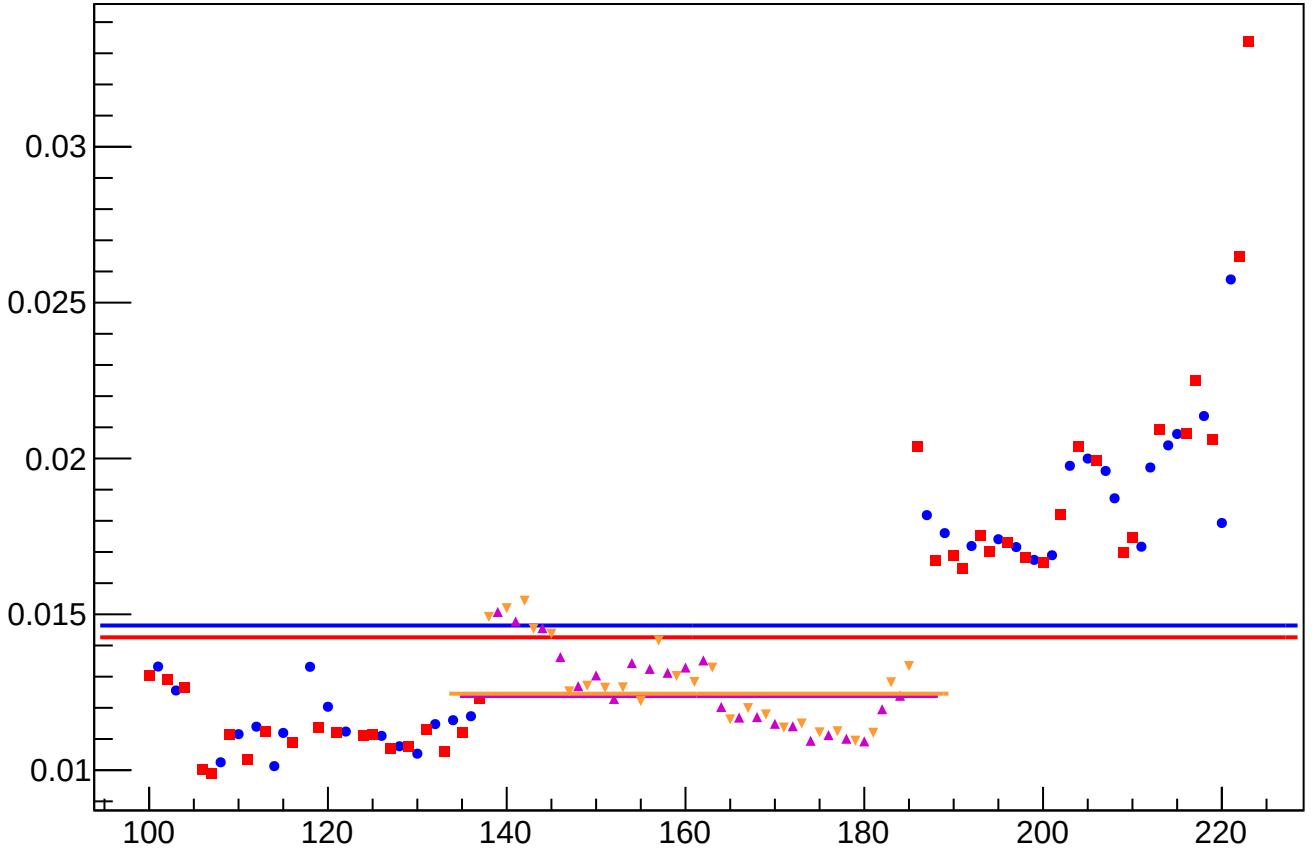
Right: -0.276+/-0.000 χ^2/NDF: 20878979313.3/72

In: -0.243+/-0.000 χ^2/NDF:17073972253.3/56

Out: -0.298+/-0.000 χ^2/NDF:20063265785.5/63

All: -0.272+/-0.000 χ^2/NDF: 37454534884.1/

yield_bpm0l07X_rms vs Slug, Sign Corrected



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

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

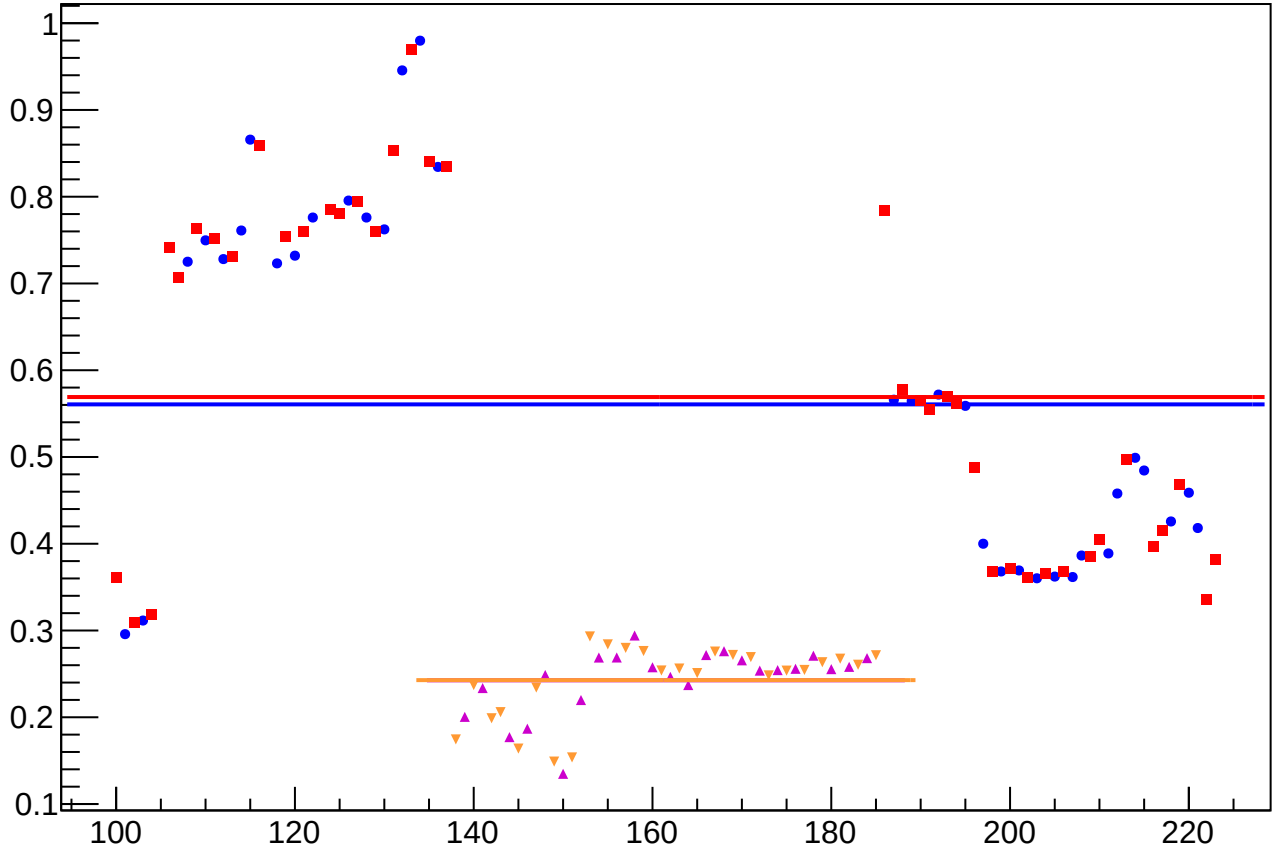
Right: 0.014+/-0.000 χ^2/NDF: 6100140.8/72

In: 0.013+/-0.000 χ^2/NDF:3575751.6/56

Out: 0.013+/-0.000 χ^2/NDF:4053958.9/63

All: 0.013+/-0.000 χ^2/NDF: 7632310.9/120

yield_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

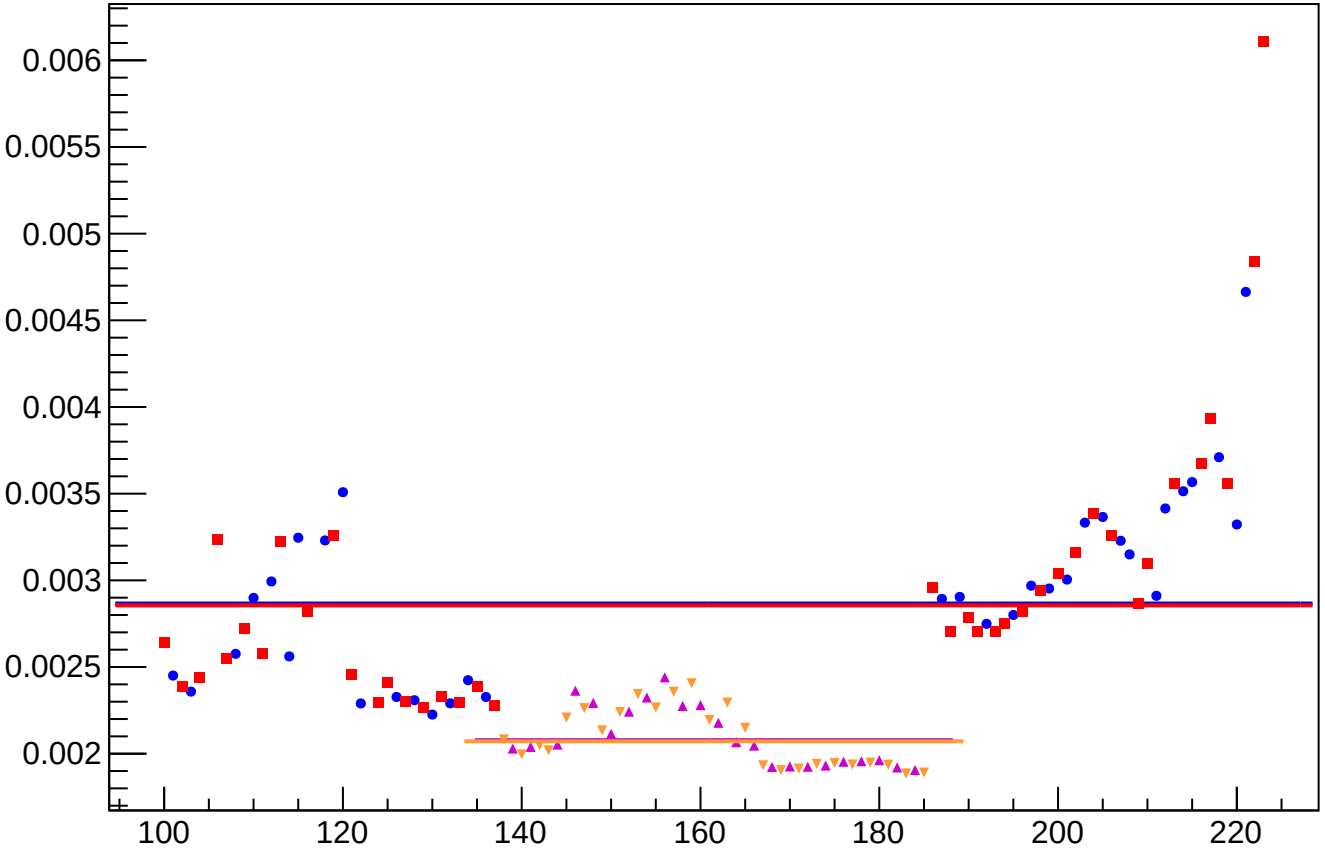
Right: 0.565+/-0.000 χ^2/NDF: 201818606629.7/72

In: 0.362+/-0.000 χ^2/NDF:266688252333.7/56

Out: 0.364+/-0.000 χ^2/NDF:282365230646.8/63

All: 0.363+/-0.000 χ^2/NDF: 549062564548.2

yield_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

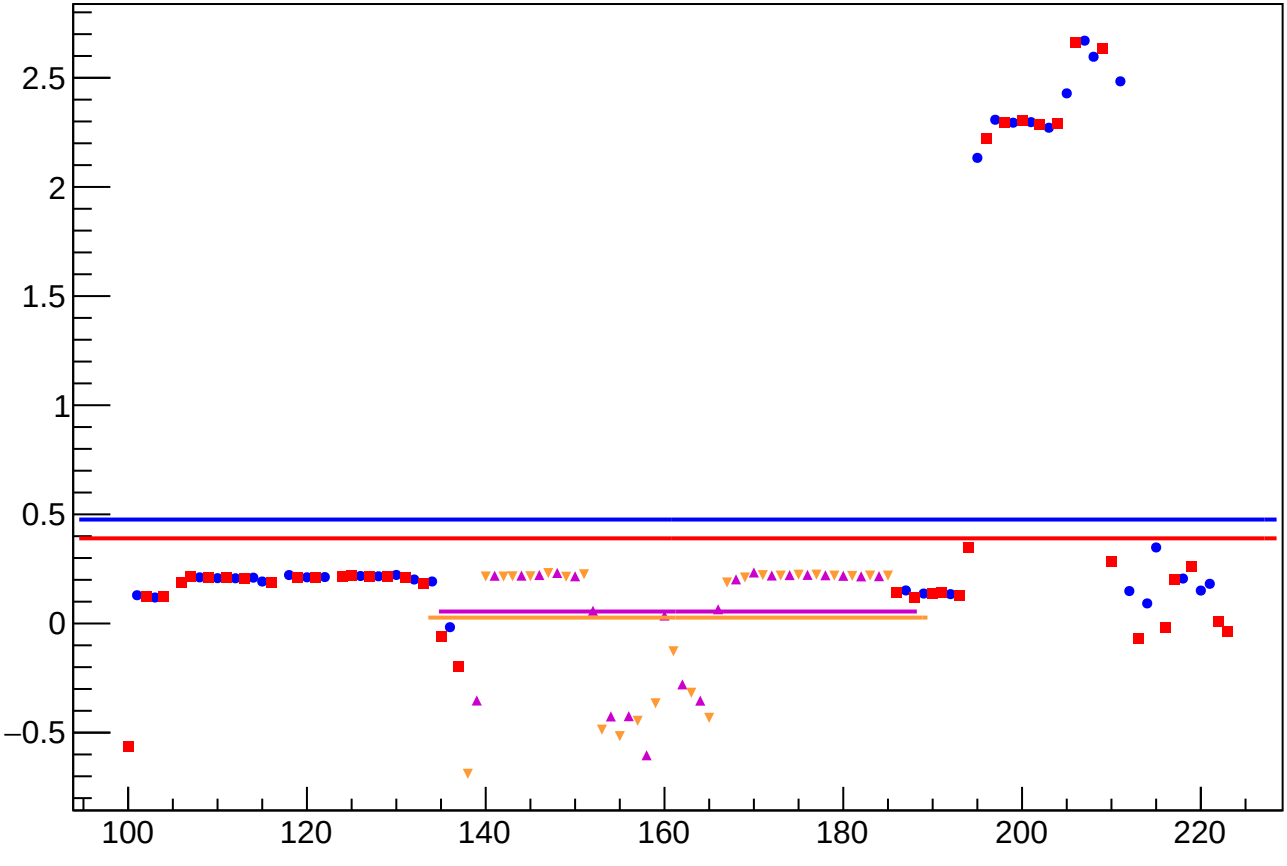
Right: 0.003+/-0.000 χ^2/NDF: 2671170.5/72

In: 0.002+/-0.000 χ^2/NDF:3399337.7/56

Out: 0.002+/-0.000 χ^2/NDF:3697612.4/63

All: 0.002+/-0.000 χ^2/NDF: 7097988.3/120

yield_bpm0l08X_mean vs Slug, Sign Corrected



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

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

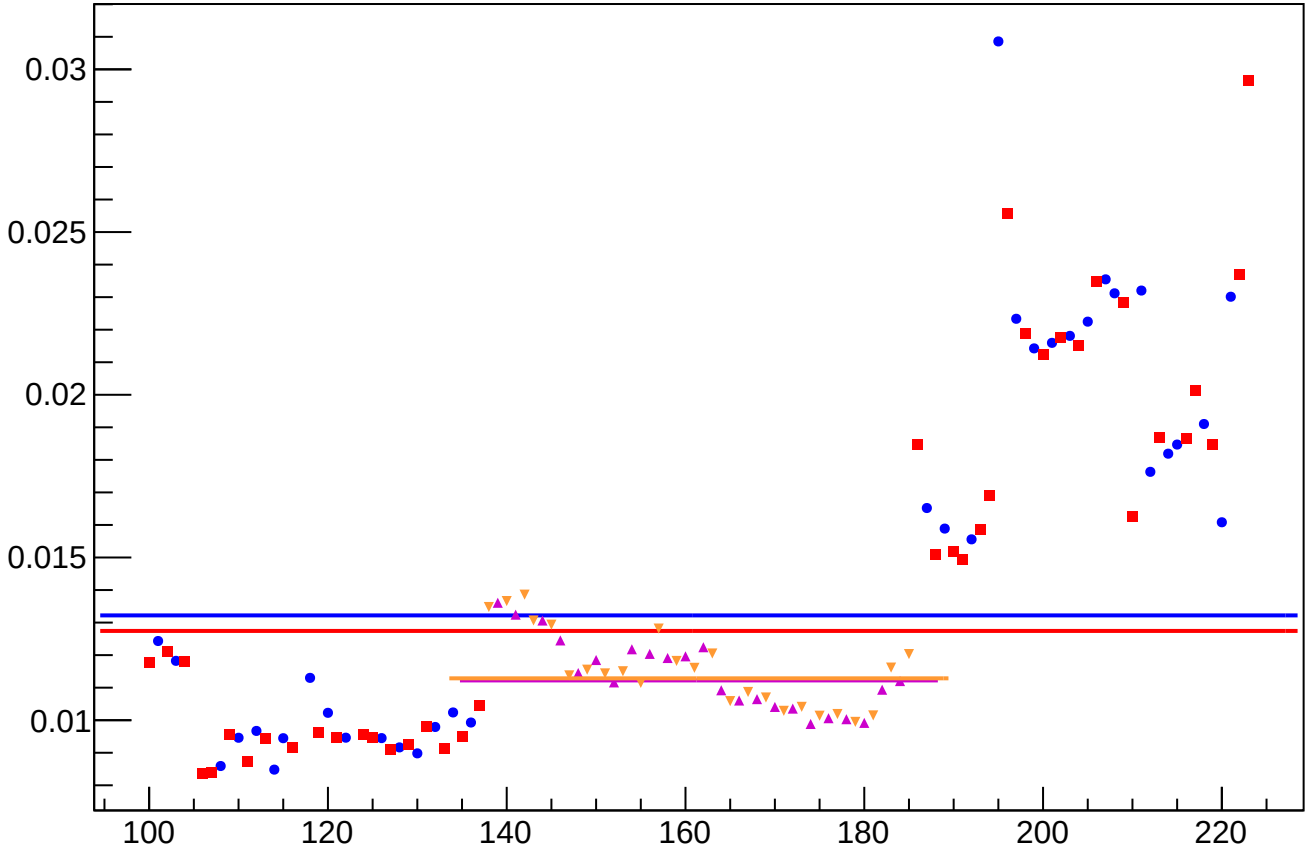
Right: 0.431+/-0.000 χ^2/NDF: 118471872657.6/72

In: 0.238+/-0.000 χ^2/NDF:82832713321.5/56

Out: 0.191+/-0.000 χ^2/NDF:77103058919.9/63

All: 0.214+/-0.000 χ^2/NDF: 160218714306.1

yield_bpm0l08X_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

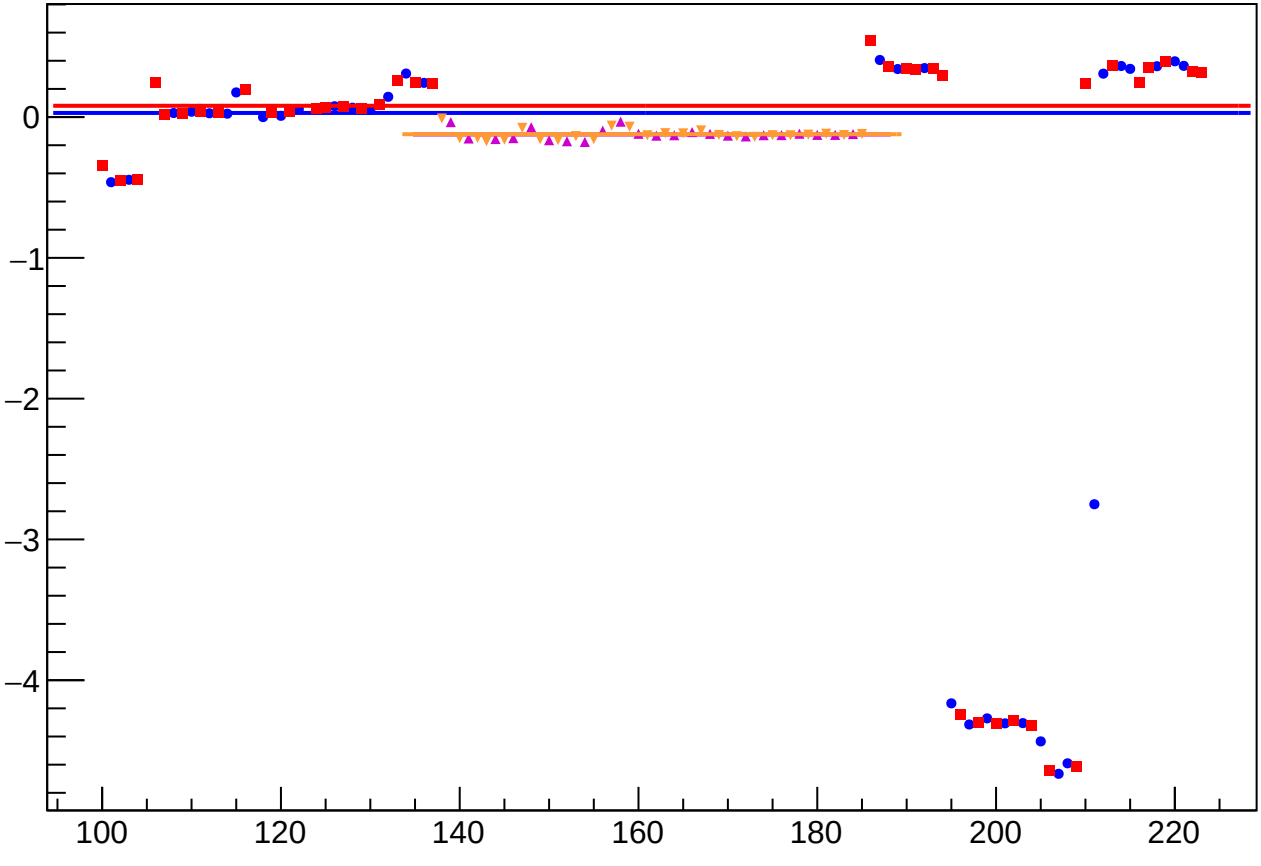
Right: 0.013+/-0.000 χ^2/NDF: 11343104.6/72

In: 0.012+/-0.000 χ^2/NDF:6350567.0/56

Out: 0.012+/-0.000 χ^2/NDF:6364684.5/63

All: 0.012+/-0.000 χ^2/NDF: 12720800.9/120

yield_bpm0l08Y_mean vs Slug, Sign Corrected



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

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

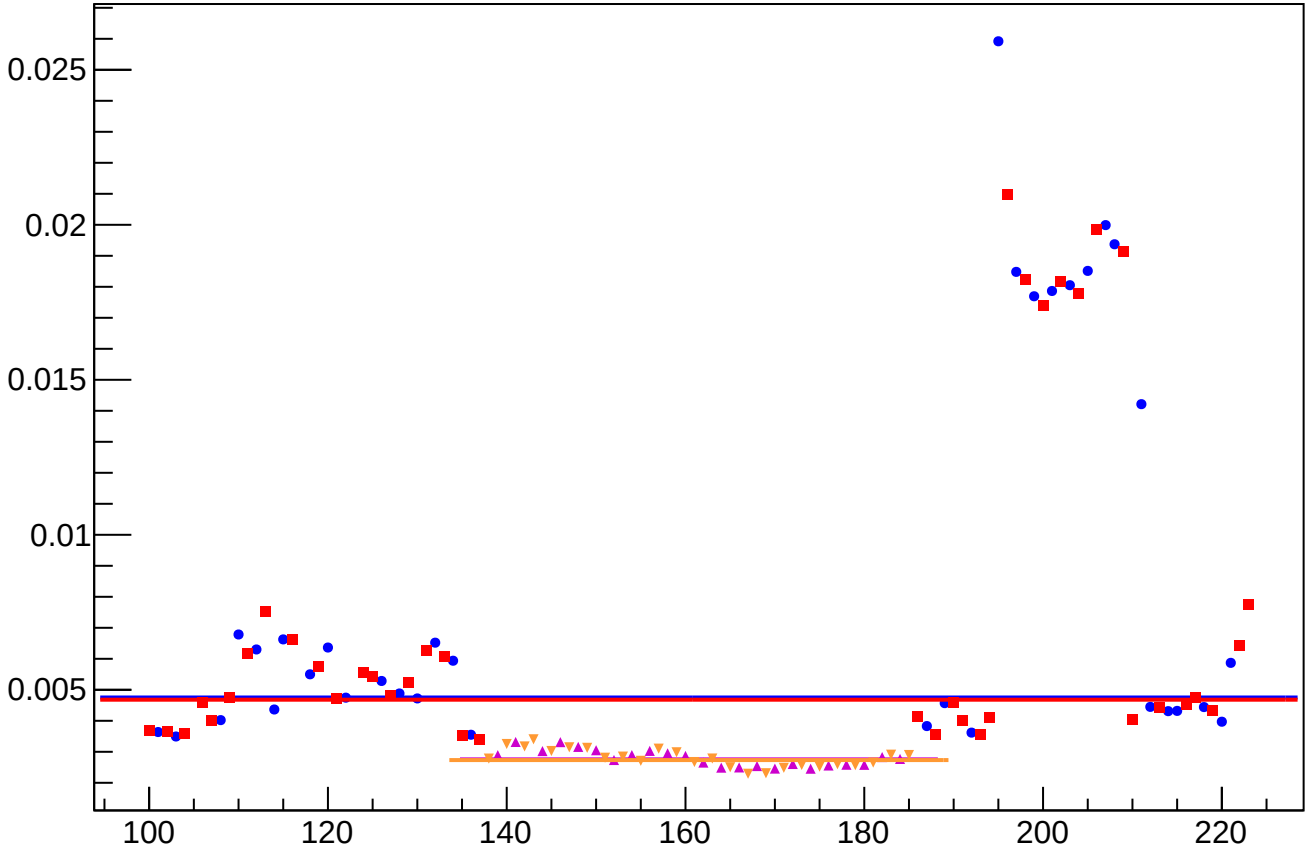
Right: 0.056+/-0.000 χ^2/NDF: 865833160359.4/72

In: -0.088+/-0.000 χ^2/NDF:470721499742.1/56

Out: -0.073+/-0.000 χ^2/NDF:436734683532.0/63

All: -0.080+/-0.000 χ^2/NDF: 907793910197.

yield_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

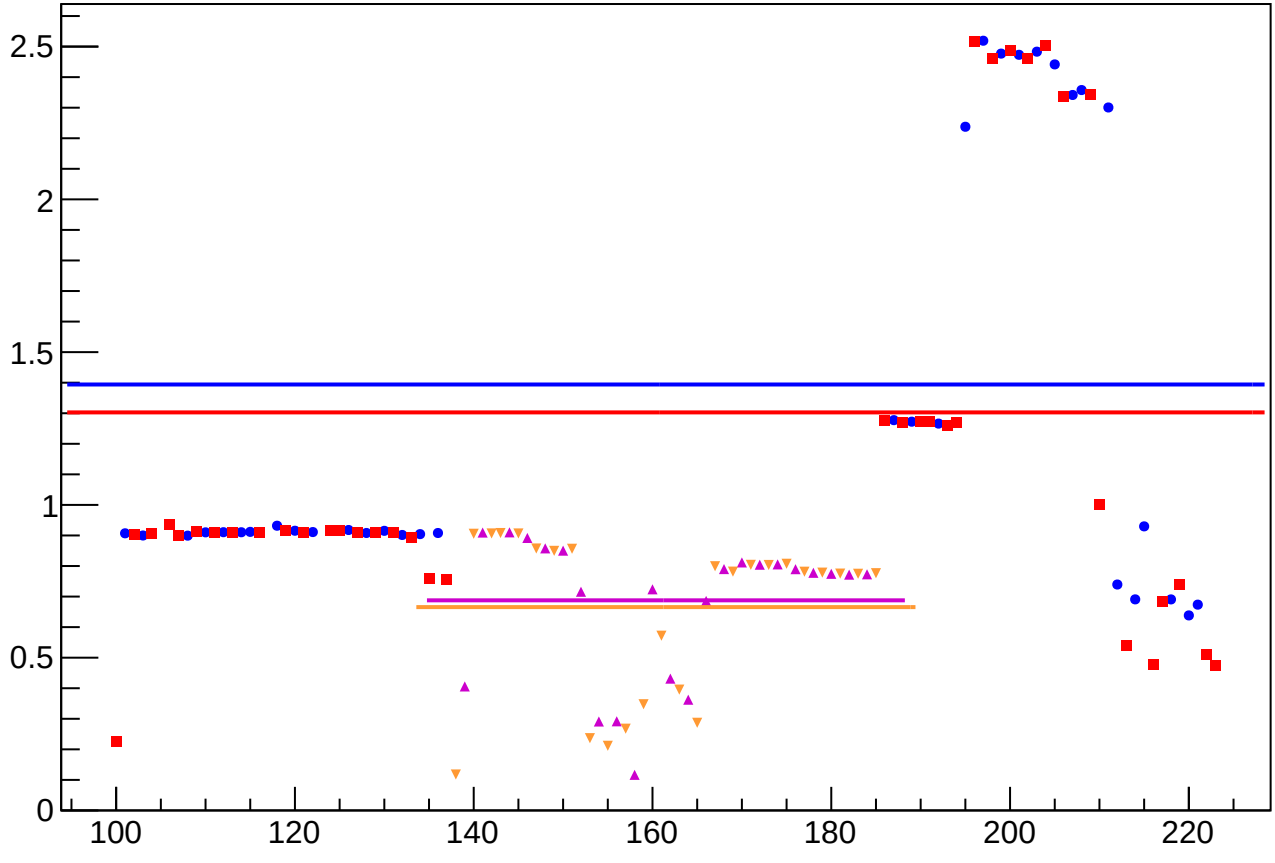
Right: 0.005+/-0.000 χ^2/NDF: 17770839.2/72

In: 0.003+/-0.000 χ^2/NDF:14065638.2/56

Out: 0.003+/-0.000 χ^2/NDF:13184682.6/63

All: 0.003+/-0.000 χ^2/NDF: 27251799.3/120

yield_bpm0l09X_mean vs Slug, Sign Corrected



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

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

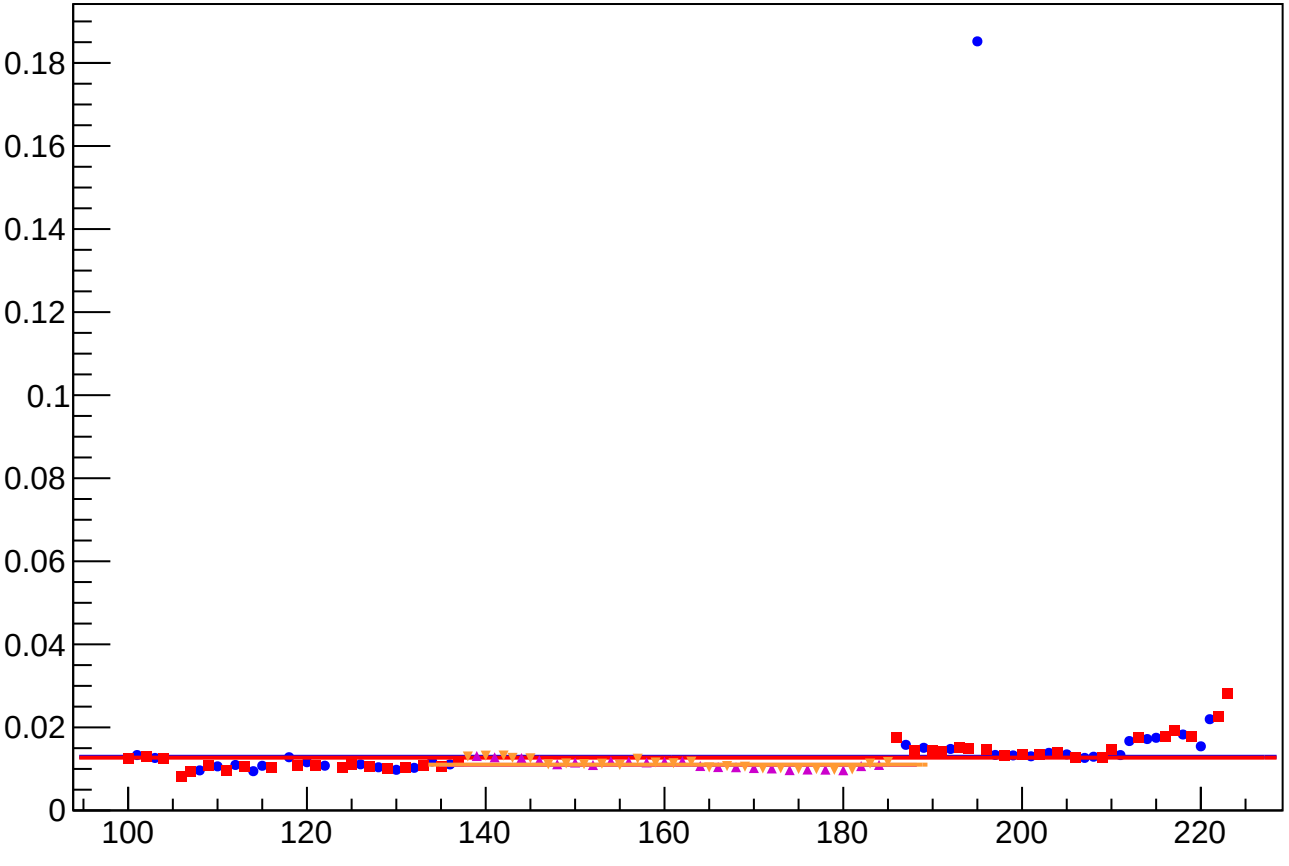
Right: 1.347+/-0.000 χ^2/NDF: 120436382460.2/72

In: 1.005+/-0.000 χ^2/NDF:100861300436.3/56

Out: 0.956+/-0.000 χ^2/NDF:95812288320.5/63

All: 0.980+/-0.000 χ^2/NDF: 197002068564.2

yield_bpm0l09X_rms vs Slug, Sign Corrected



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

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

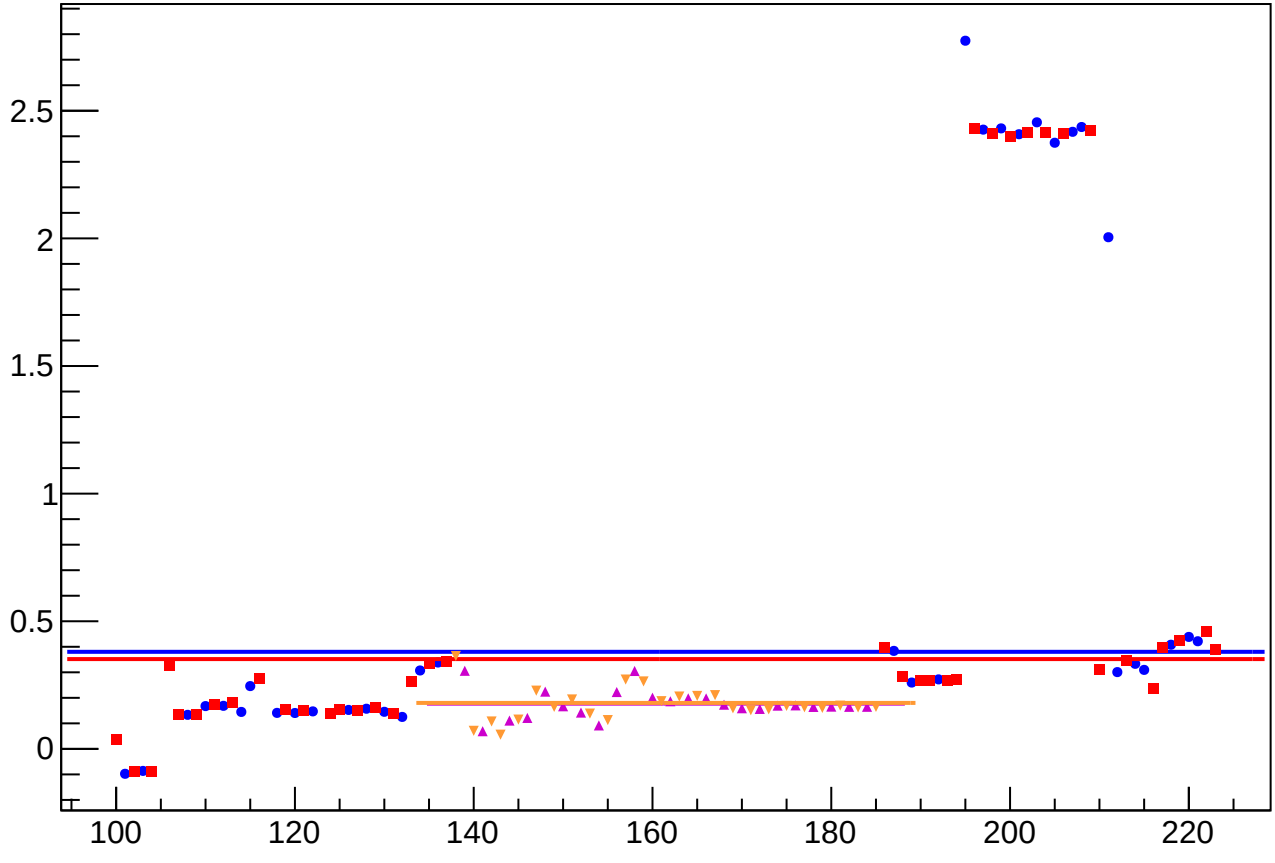
Right: 0.013+/-0.000 χ^2/NDF: 5040765.5/72

In: 0.012+/-0.000 χ^2/NDF:3724281.3/56

Out: 0.012+/-0.000 χ^2/NDF:2790748.0/63

All: 0.012+/-0.000 χ^2/NDF: 6515661.4/120

yield_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

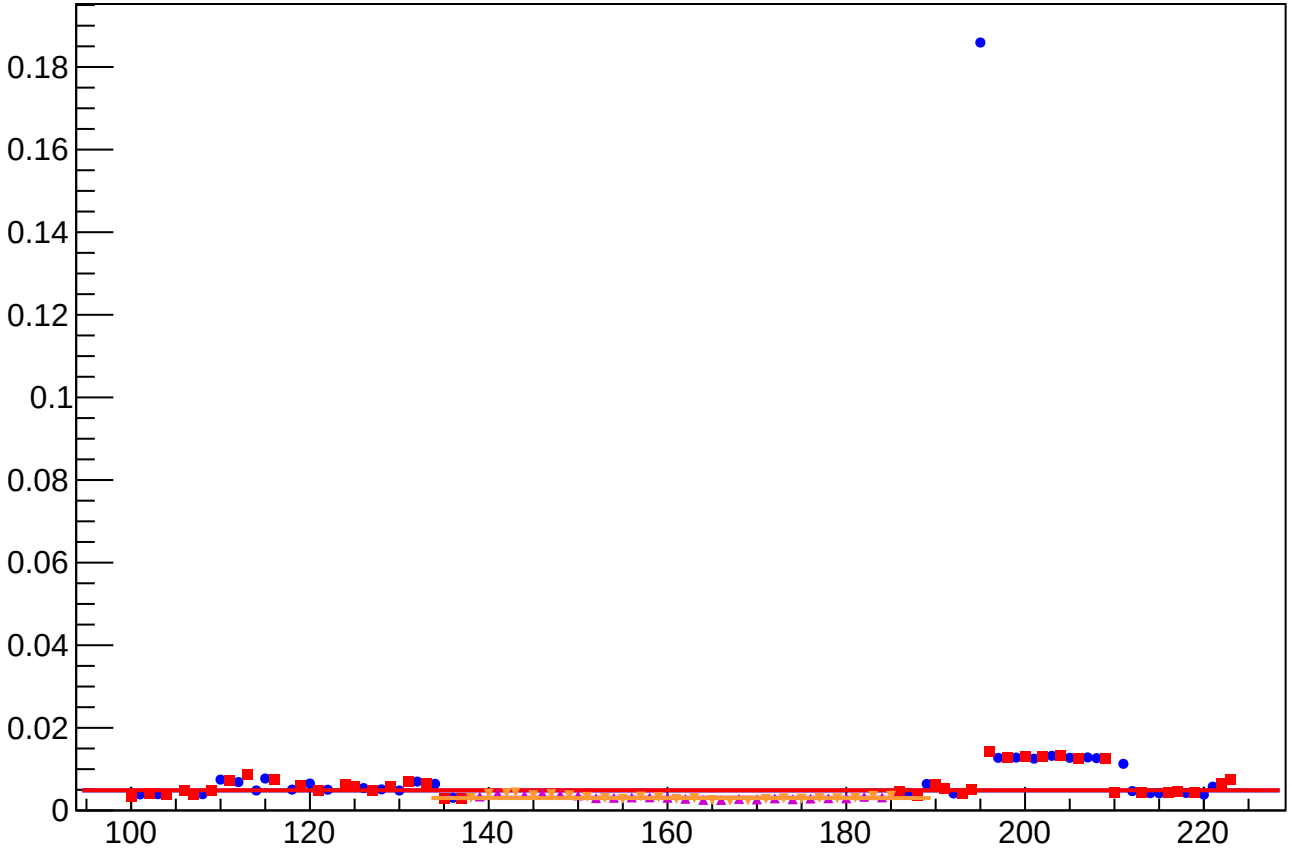
Right: 0.366+/-0.000 χ^2/NDF: 356520307403.4/72

In: 0.234+/-0.000 χ^2/NDF:216917883816.9/56

Out: 0.226+/-0.000 χ^2/NDF:186500070498.5/63

All: 0.230+/-0.000 χ^2/NDF: 403492782317.6

yield_bpm0l09Y_rms vs Slug, Sign Corrected



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

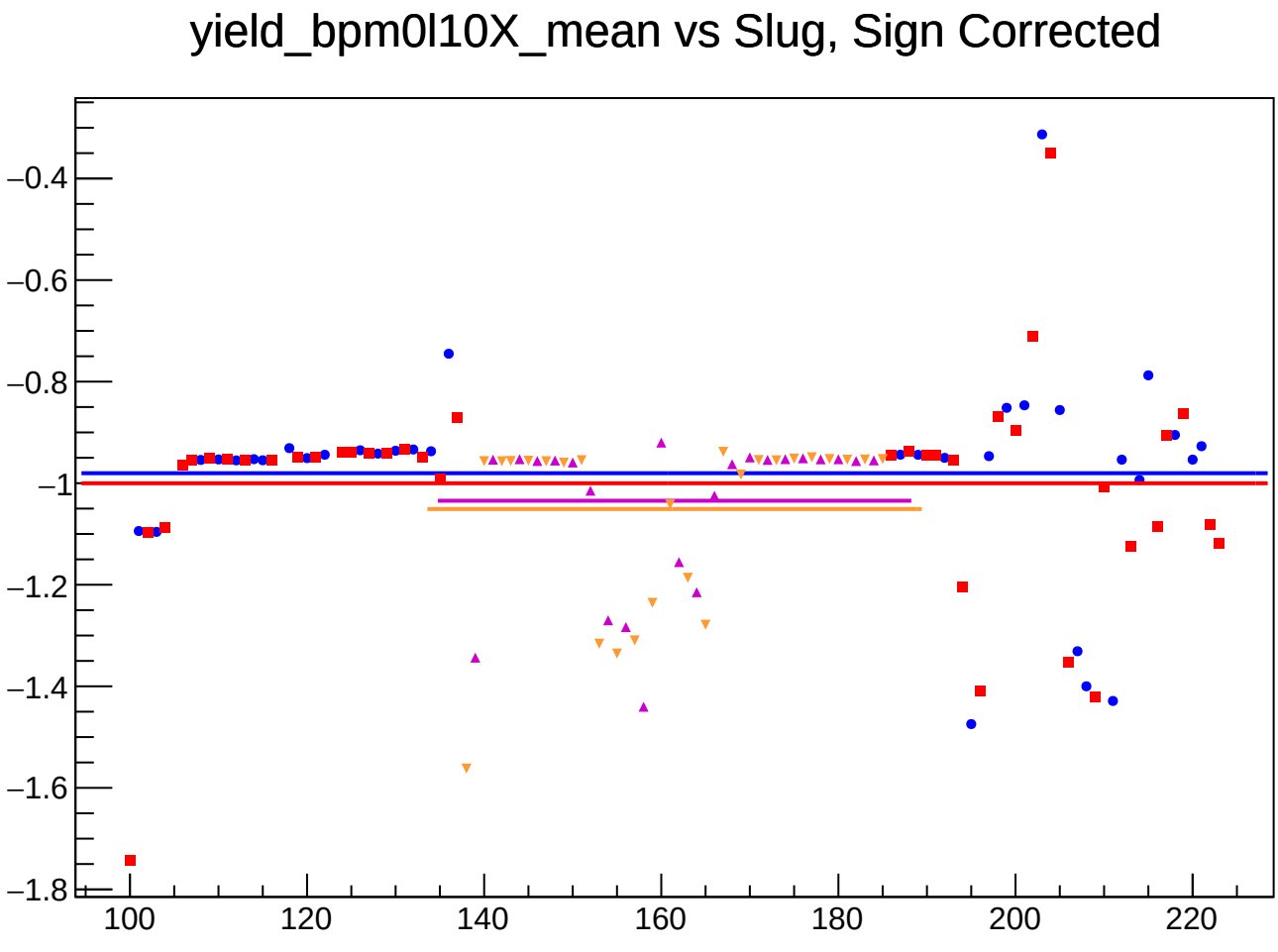
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 14376231.0/72

In: 0.004+/-0.000 χ^2/NDF:11871913.0/56

Out: 0.004+/-0.000 χ^2/NDF:10878732.8/63

All: 0.004+/-0.000 χ^2/NDF: 22759901.3/120



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

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

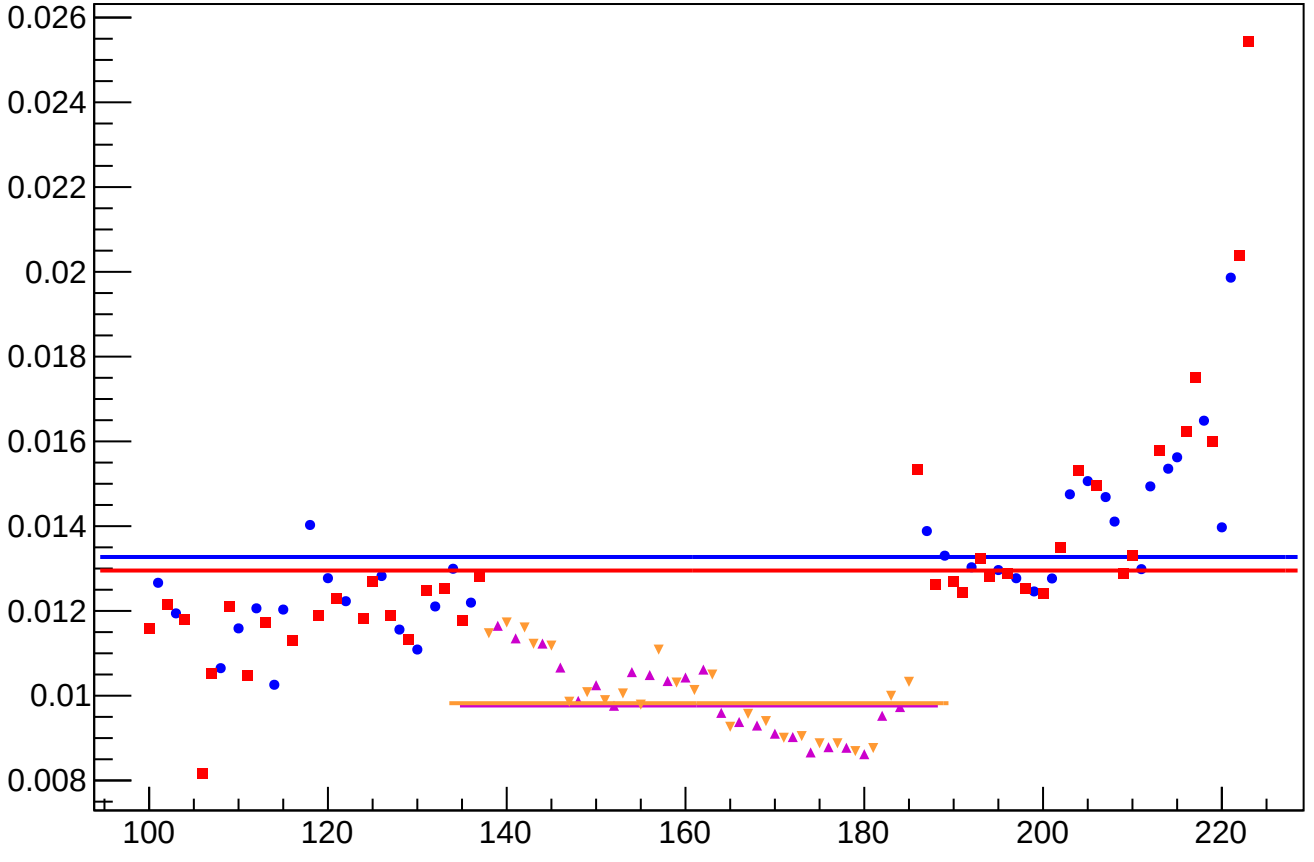
Right: -0.991+/-0.000 χ^2/NDF: 11227129185.6/72

In: -1.013+/-0.000 χ^2/NDF:10137579498.9/56

Out: -1.031+/-0.000 χ^2/NDF:10481853361.8/63

All: -1.022+/-0.000 χ^2/NDF: 20665772834.2/

yield_bpm0l10X_rms vs Slug, Sign Corrected



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

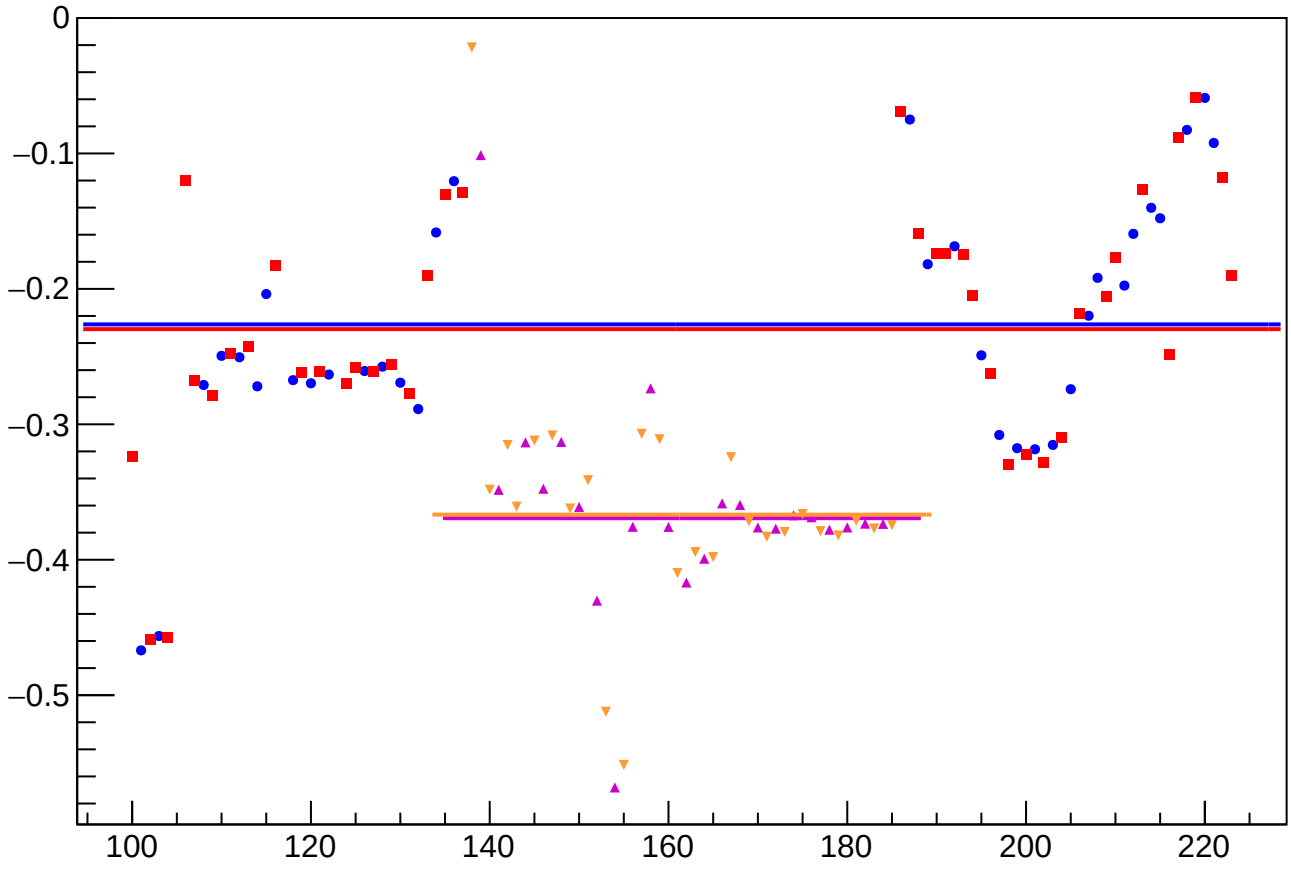
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 1856777.6/72

In: 0.011+/-0.000 χ^2/NDF:2690260.5/56

Out: 0.011+/-0.000 χ^2/NDF:2998931.2/63

All: 0.011+/-0.000 χ^2/NDF: 5690536.3/120



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

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

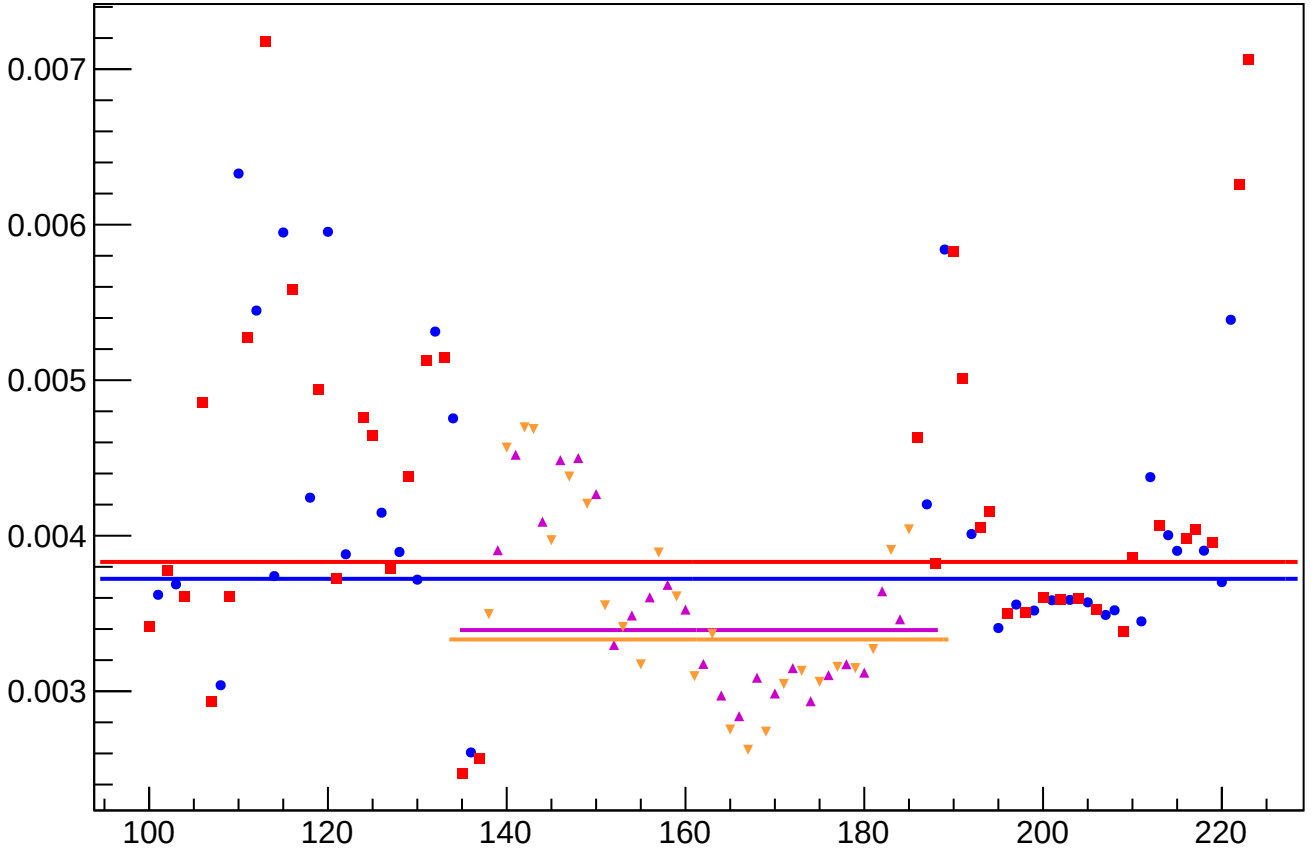
Right: -0.228+/-0.000 χ^2/NDF: 26692406206.4/72

In: -0.298+/-0.000 χ^2/NDF:36242241414.0/56

Out: -0.303+/-0.000 χ^2/NDF:38546810218.2/63

All: -0.300+/-0.000 χ^2/NDF: 74818823359.5/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

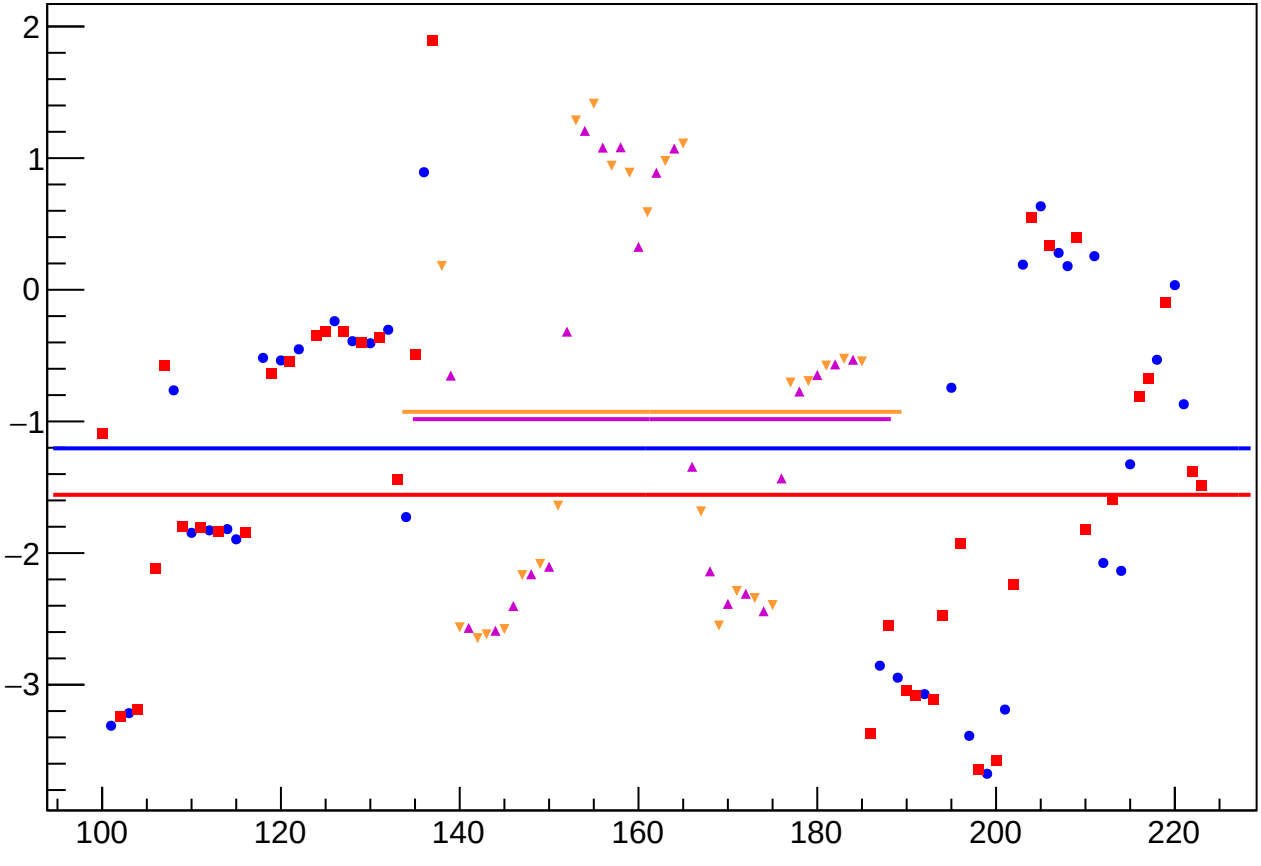
Right: 0.004+/-0.000 χ^2/NDF: 2750842.8/72

In: 0.004+/-0.000 χ^2/NDF:1941872.2/56

Out: 0.004+/-0.000 χ^2/NDF:2807457.7/63

All: 0.004+/-0.000 χ^2/NDF: 4749561.0/120

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.204+/-0.000 χ^2/NDF: 7378533222.1/33

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.557+/-0.000 χ^2/NDF: 6430915028.3/38

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

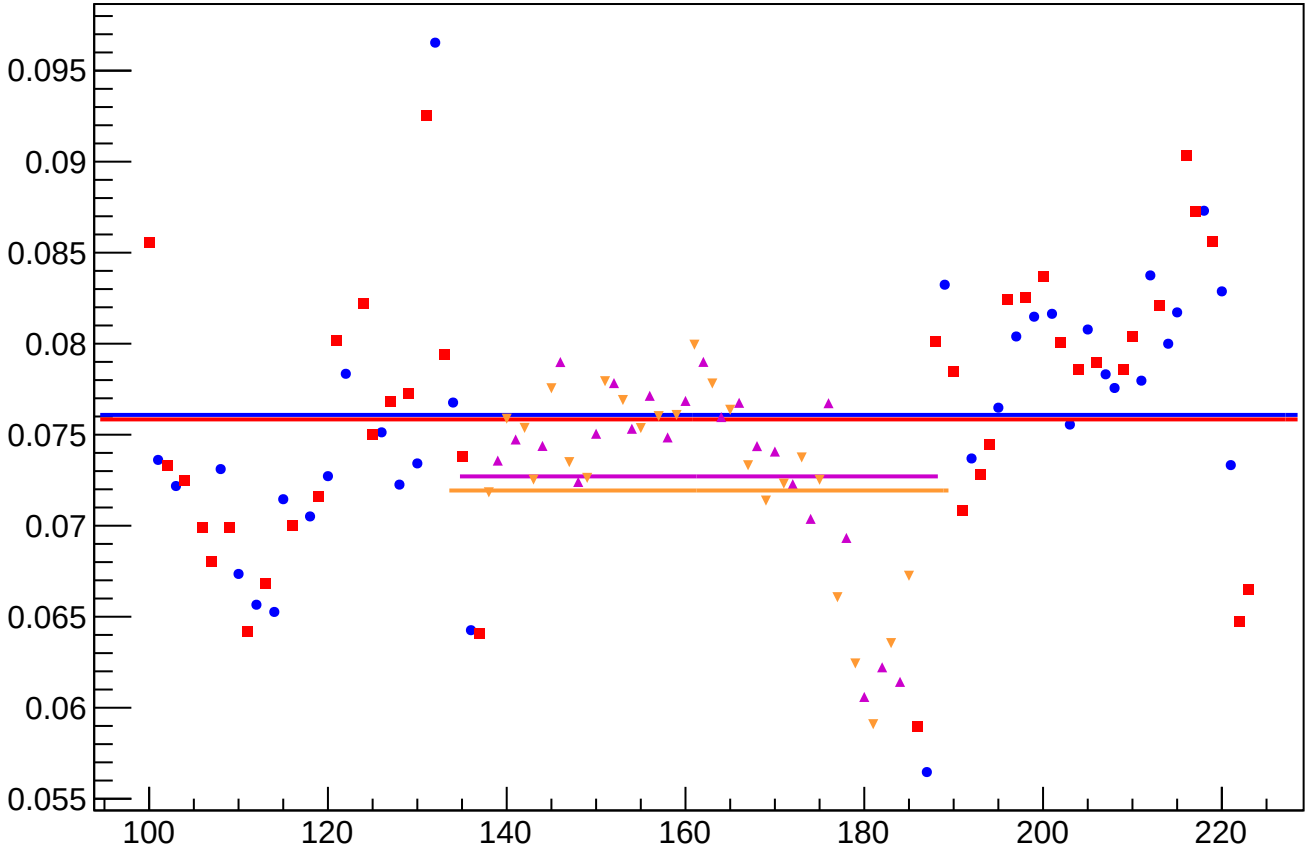
Right: -1.385+/-0.000 χ^2/NDF: 14046755162.4/72

In: -1.099+/-0.000 χ^2/NDF:13384771202.0/56

Out: -1.252+/-0.000 χ^2/NDF:14430253348.4/63

All: -1.178+/-0.000 χ^2/NDF: 27900759199.7/

yield_bpm0r03X_rms vs Slug, Sign Corrected



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

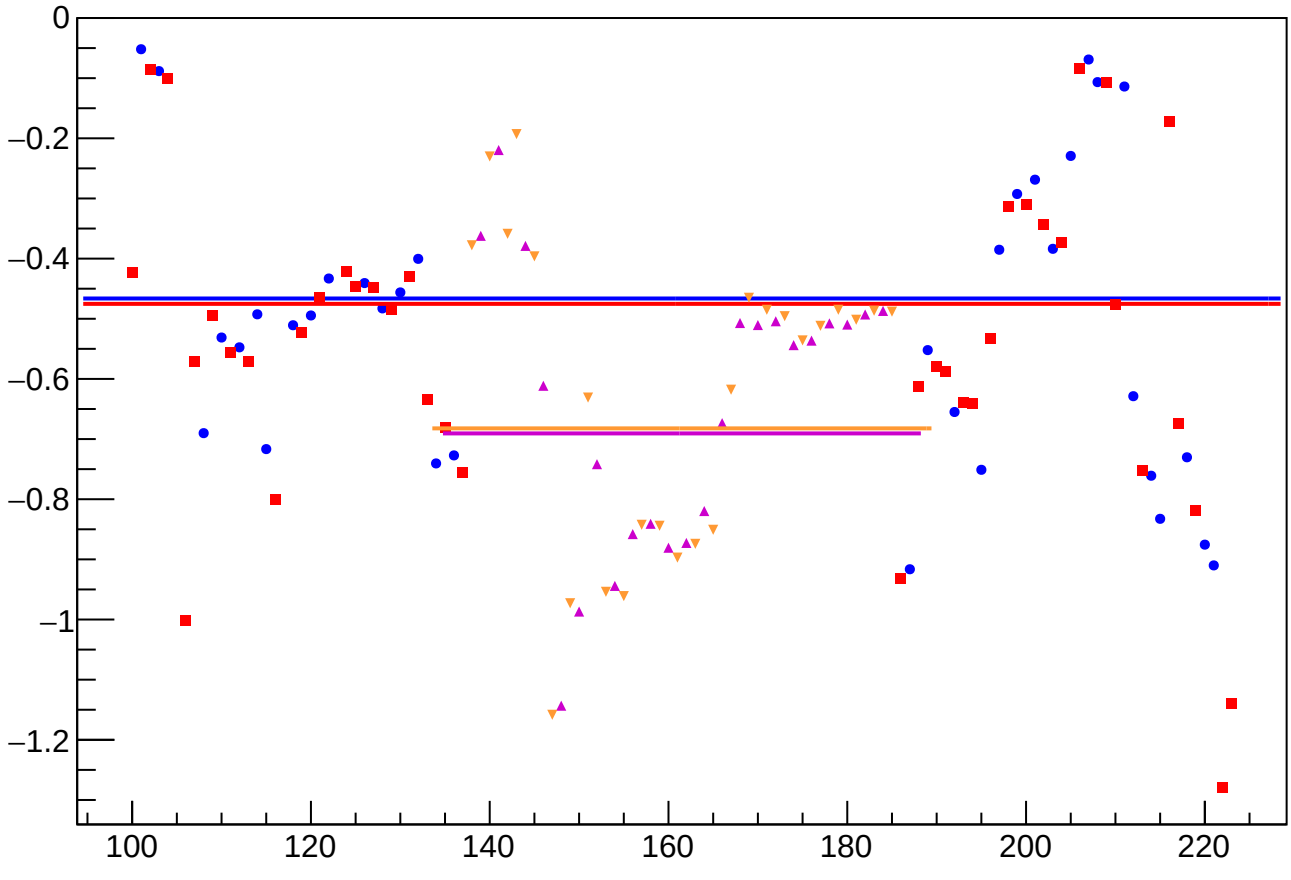
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.076+/-0.000 χ^2/NDF: 735091.8/72

In: 0.074+/-0.000 χ^2/NDF:546552.8/56

Out: 0.074+/-0.000 χ^2/NDF:718982.9/63

All: 0.074+/-0.000 χ^2/NDF: 1267611.2/120



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

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

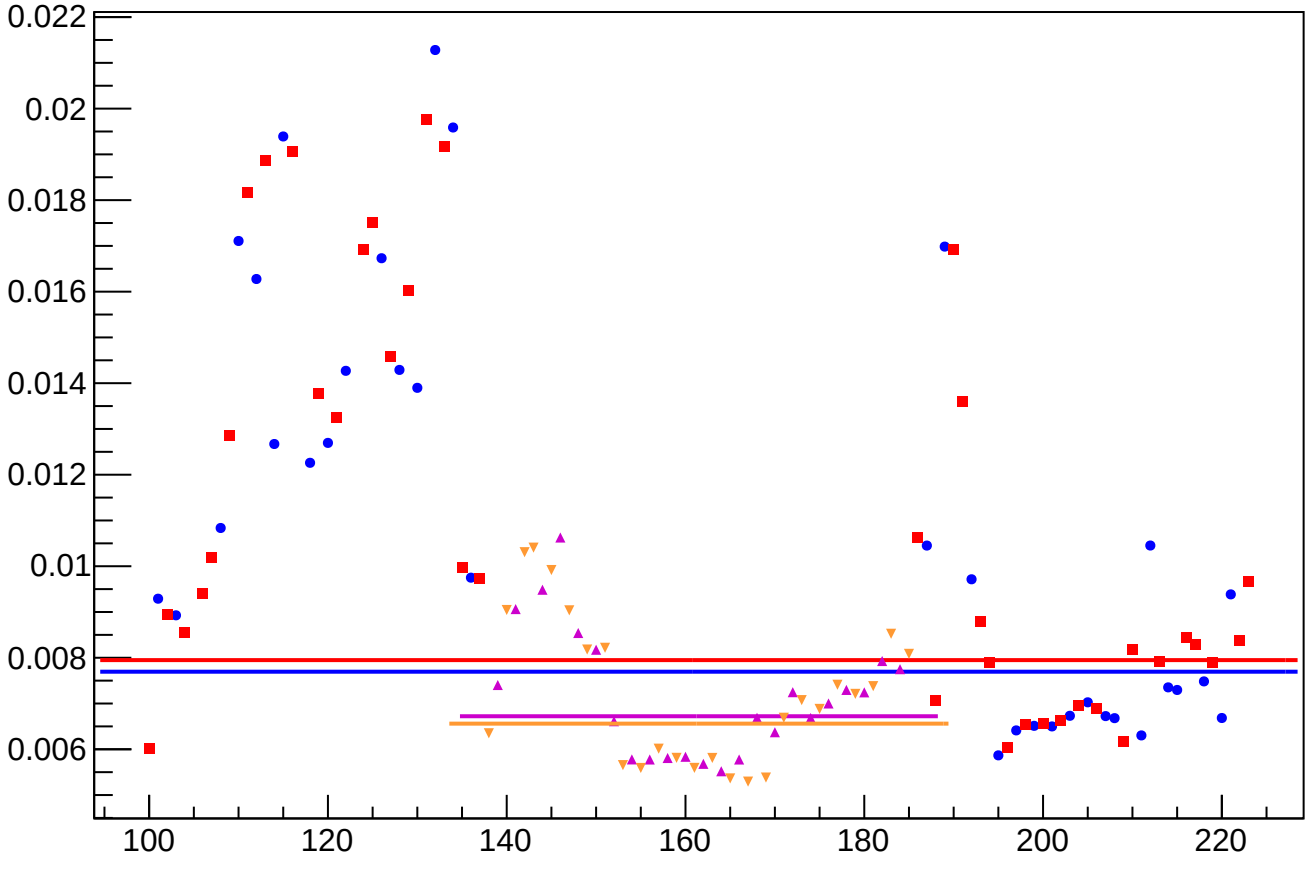
Right: -0.471+/-0.000 χ^2/NDF: 52826253375.2/72

In: -0.586+/-0.000 χ^2/NDF:51951968701.6/56

Out: -0.594+/-0.000 χ^2/NDF:55665041700.9/63

All: -0.590+/-0.000 χ^2/NDF: 107634429862.9

yield_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

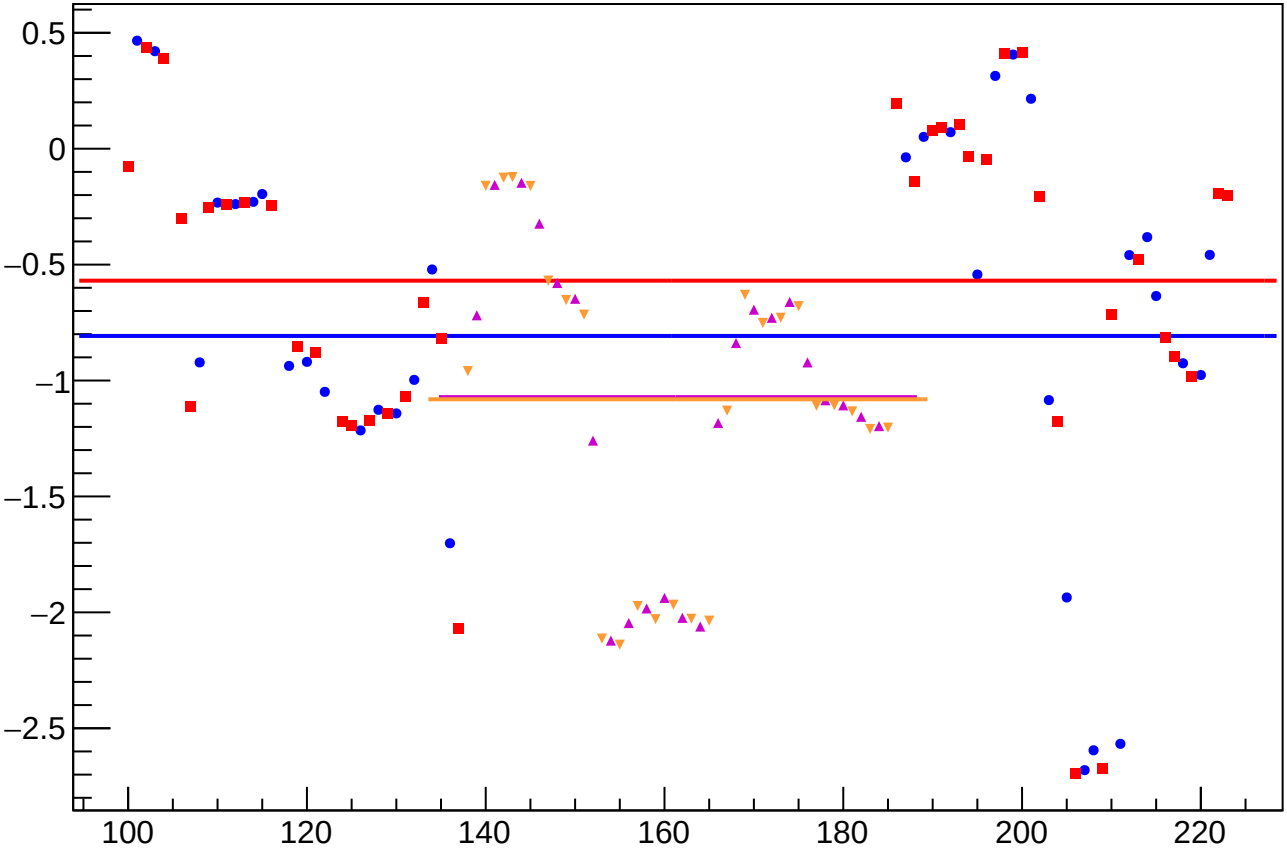
Right: 0.008+/-0.000 χ^2/NDF: 6613426.4/72

In: 0.007+/-0.000 χ^2/NDF:4576210.6/56

Out: 0.007+/-0.000 χ^2/NDF:5380418.3/63

All: 0.007+/-0.000 χ^2/NDF: 9956872.4/120

yield_bpm0r05X_mean vs Slug, Sign Corrected



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

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

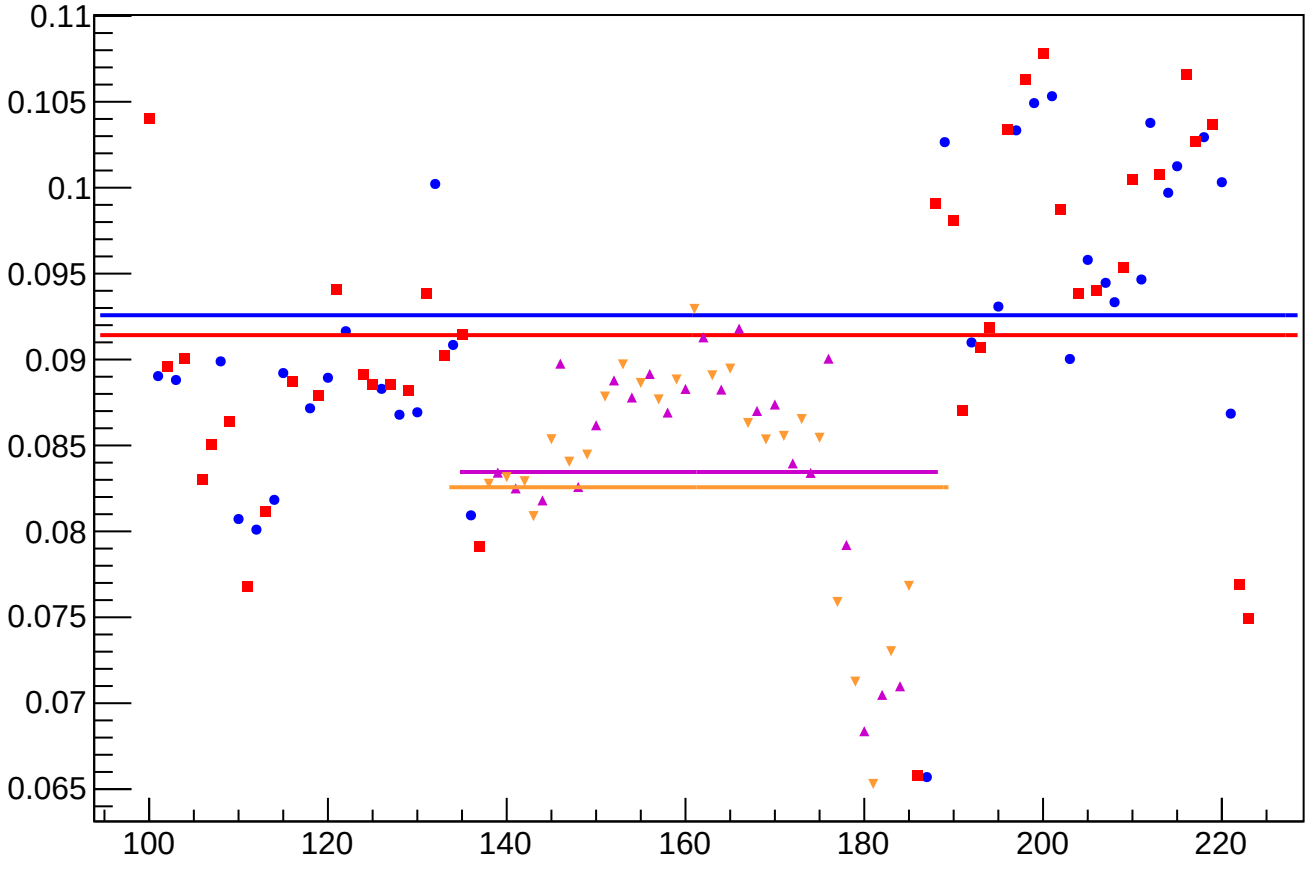
Right: -0.685+/-0.000 χ^2/NDF: 3800959736.0/72

In: -0.941+/-0.000 χ^2/NDF:3071075651.9/56

Out: -0.830+/-0.000 χ^2/NDF:3232801783.5/63

All: -0.884+/-0.000 χ^2/NDF: 6336728324.5/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



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

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

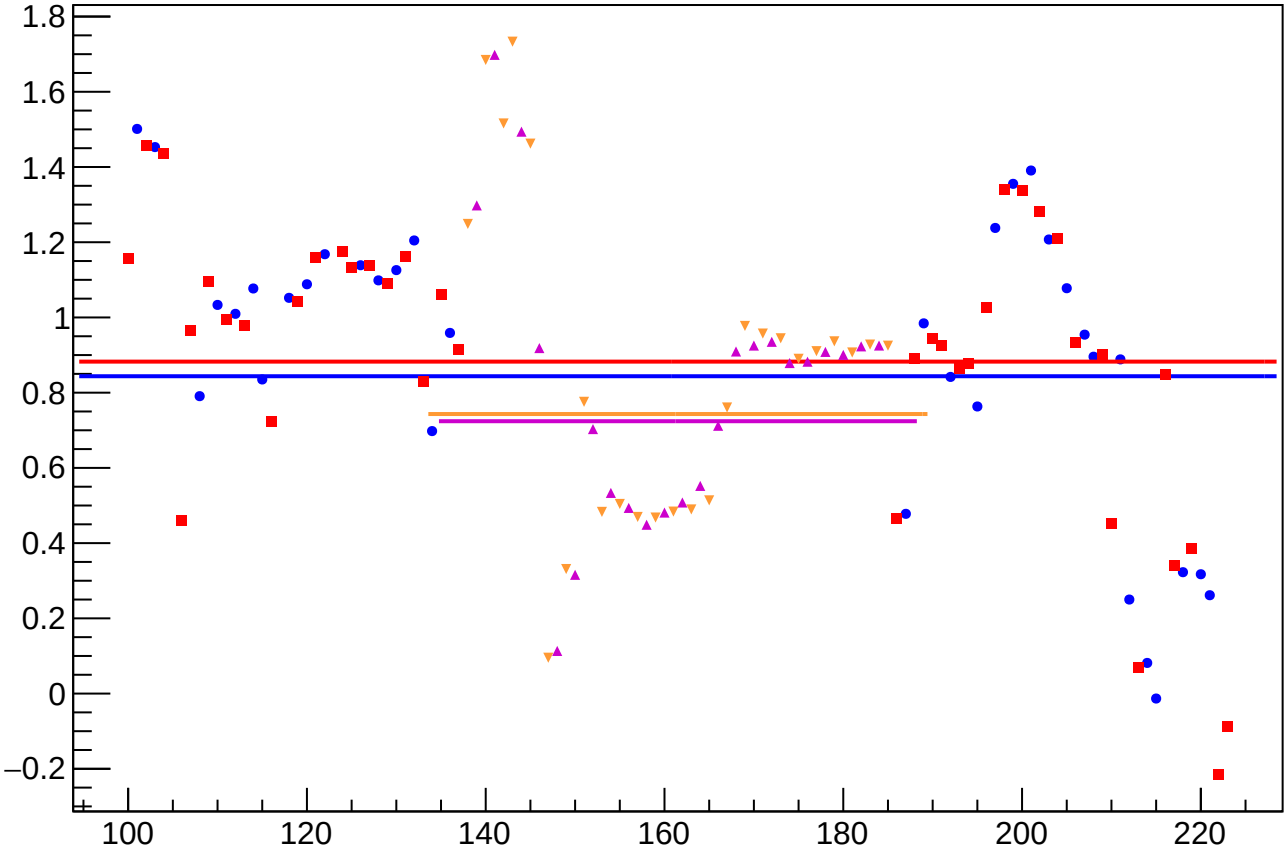
Right: 0.092+/-0.000 χ^2/NDF: 881553.2/72

In: 0.088+/-0.000 χ^2/NDF:782492.9/56

Out: 0.087+/-0.000 χ^2/NDF:1054399.0/63

All: 0.087+/-0.000 χ^2/NDF: 1842828.5/120

yield_bpm0r05Y_mean vs Slug, Sign Corrected



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

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

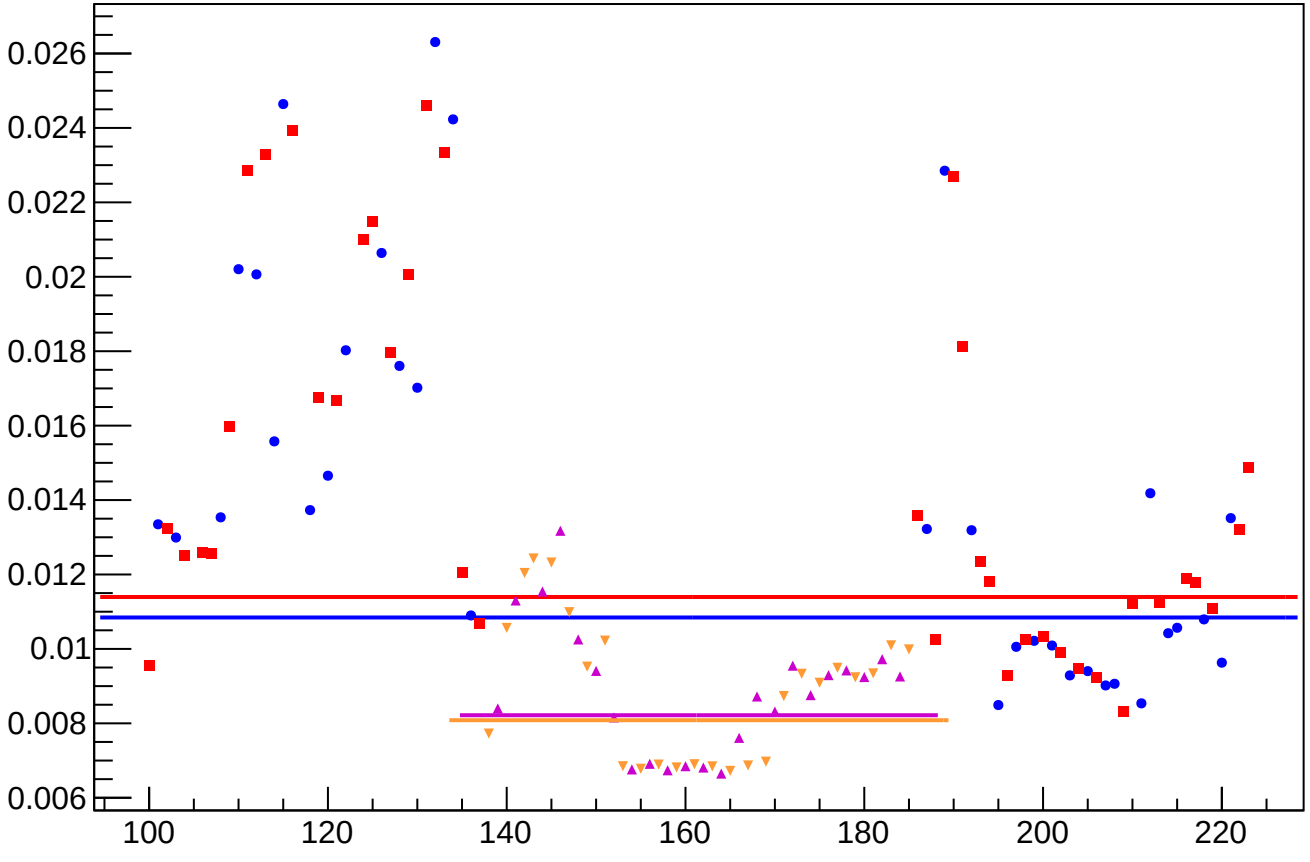
Right: 0.862+/-0.000 χ^2/NDF: 55698078879.6/72

In: 0.772+/-0.000 χ^2/NDF:56689116461.0/56

Out: 0.793+/-0.000 χ^2/NDF:60430186904.3/63

All: 0.783+/-0.000 χ^2/NDF: 117215307656.0

yield_bpm0r05Y_rms vs Slug, Sign Corrected



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

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

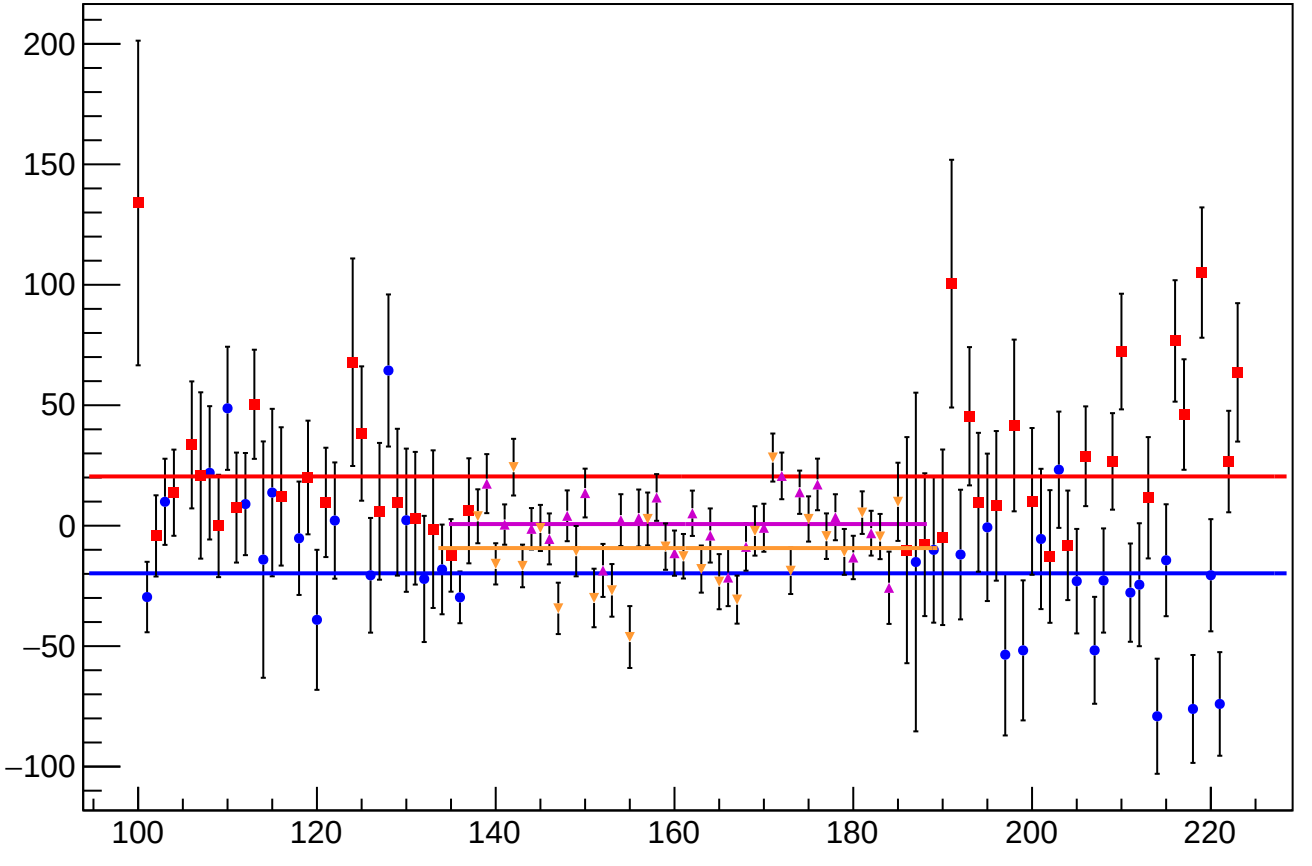
Right: 0.011+/-0.000 χ^2/NDF: 5092611.3/72

In: 0.009+/-0.000 χ^2/NDF:4985781.4/56

Out: 0.009+/-0.000 χ^2/NDF:6092367.0/63

All: 0.009+/-0.000 χ^2/NDF: 11078171.8/120

diff_bpm4aX_mean vs Slug, Sign Corrected



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

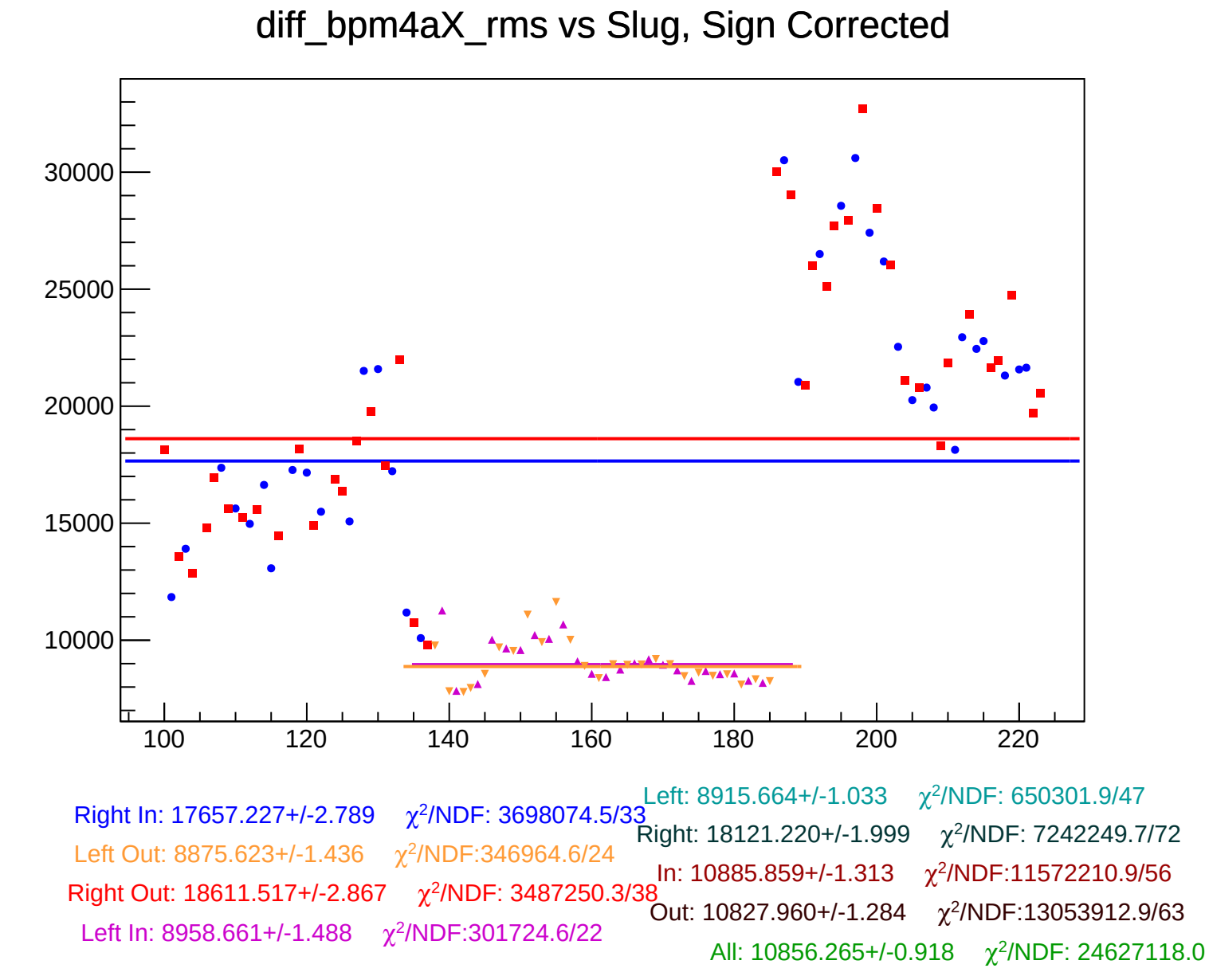
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -0.219+/-2.827 χ^2/NDF: 152.5/72

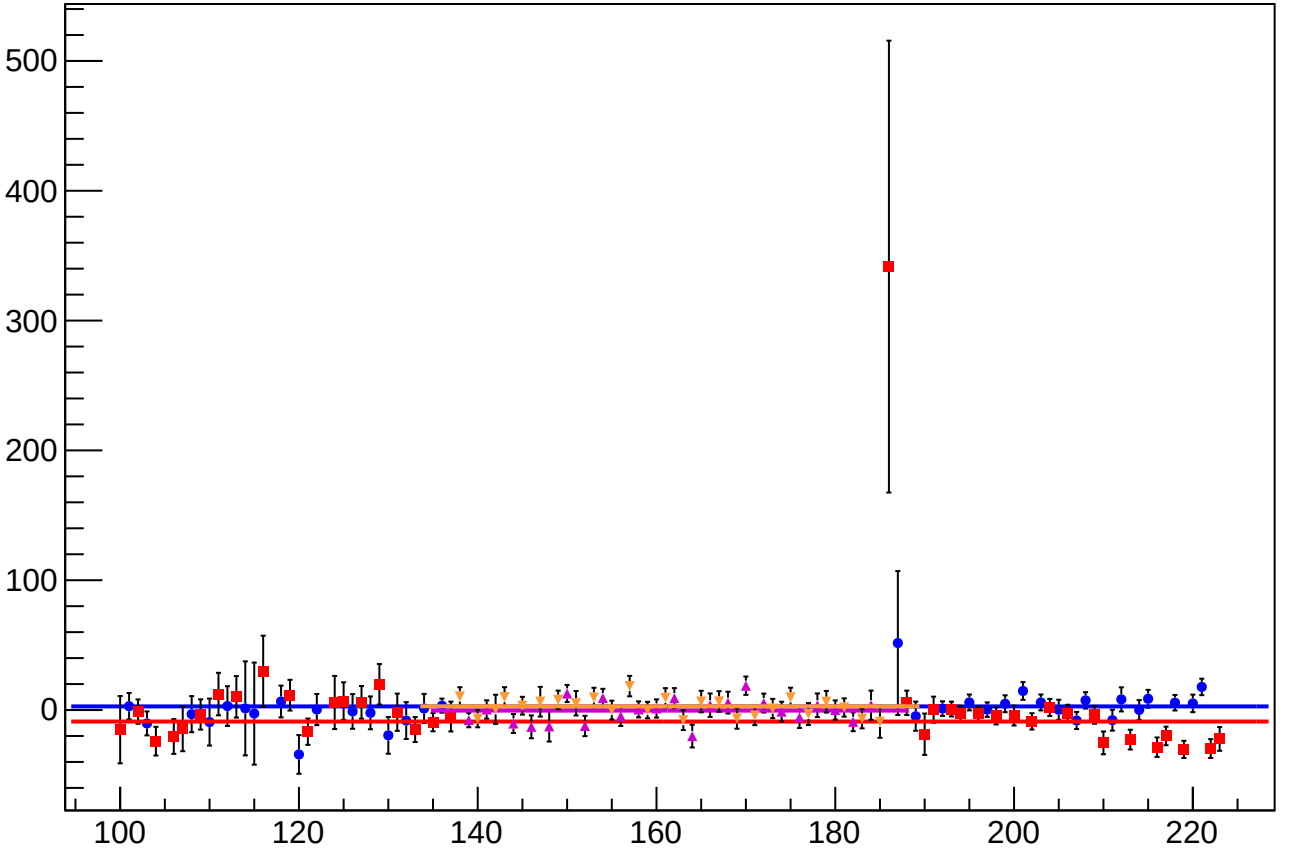
In: -3.854+/-1.857 χ^2/NDF:103.4/56

Out: -3.329+/-1.816 χ^2/NDF:153.1/63

All: -3.586+/-1.298 χ^2/NDF: 256.5/120


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17657.227+/-2.789 χ²/NDF: 3698074.5/33
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 18611.517+/-2.867 χ²/NDF: 3487250.3/38
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 18121.220+/-1.999 χ²/NDF: 7242249.7/72
In: 10885.859+/-1.313 χ²/NDF:11572210.9/56
Out: 10827.960+/-1.284 χ²/NDF:13053912.9/63
All: 10856.265+/-0.918 χ²/NDF: 24627118.0

diff_bpm4aY_mean vs Slug, Sign Corrected



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

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

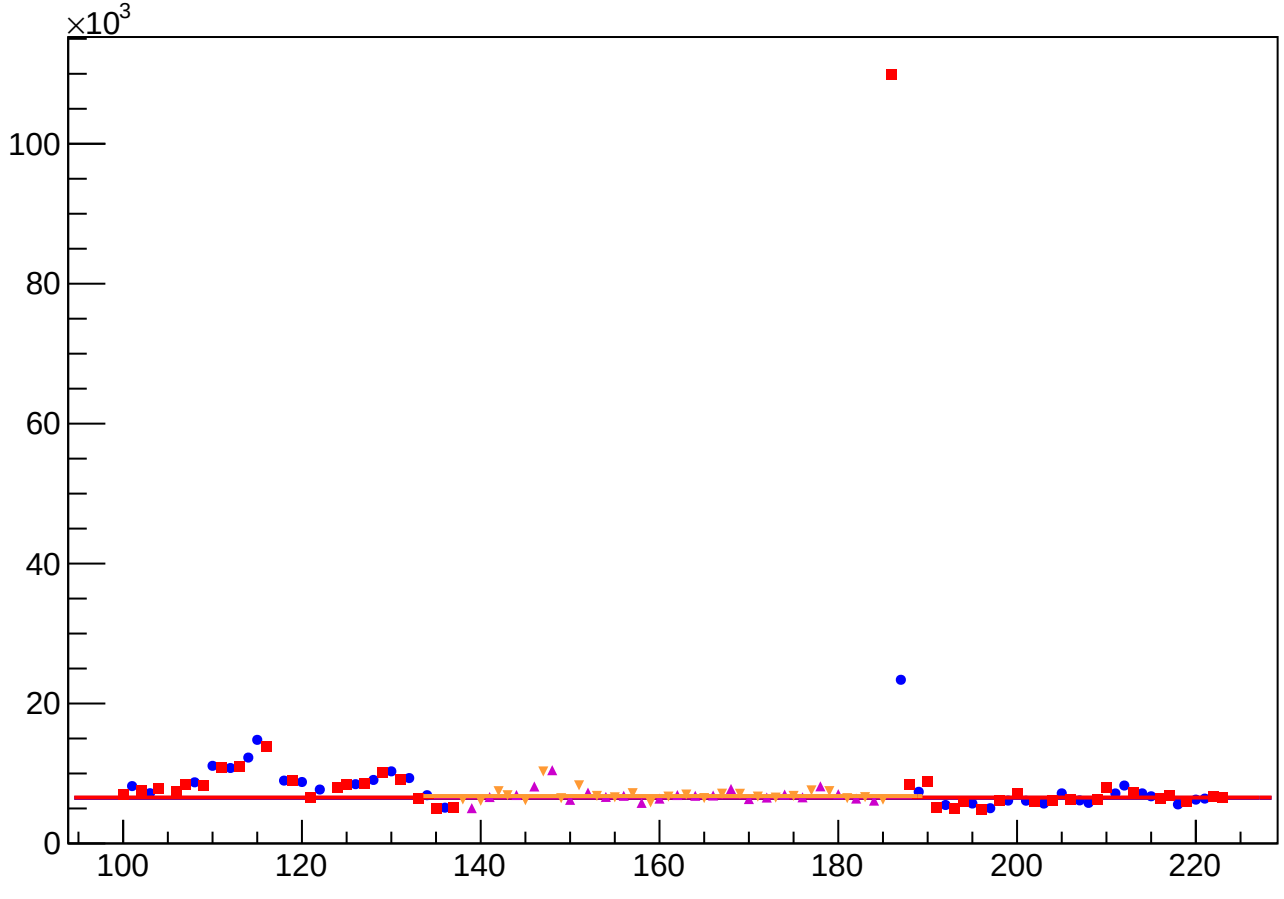
Right: -3.059+/-1.006 χ^2/NDF: 137.7/72

In: 1.334+/-1.059 χ^2/NDF:64.8/56

Out: -3.519+/-1.049 χ^2/NDF:125.1/63

All: -1.116+/-0.745 χ^2/NDF: 200.4/120

diff_bpm4aY_rms vs Slug, Sign Corrected



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

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

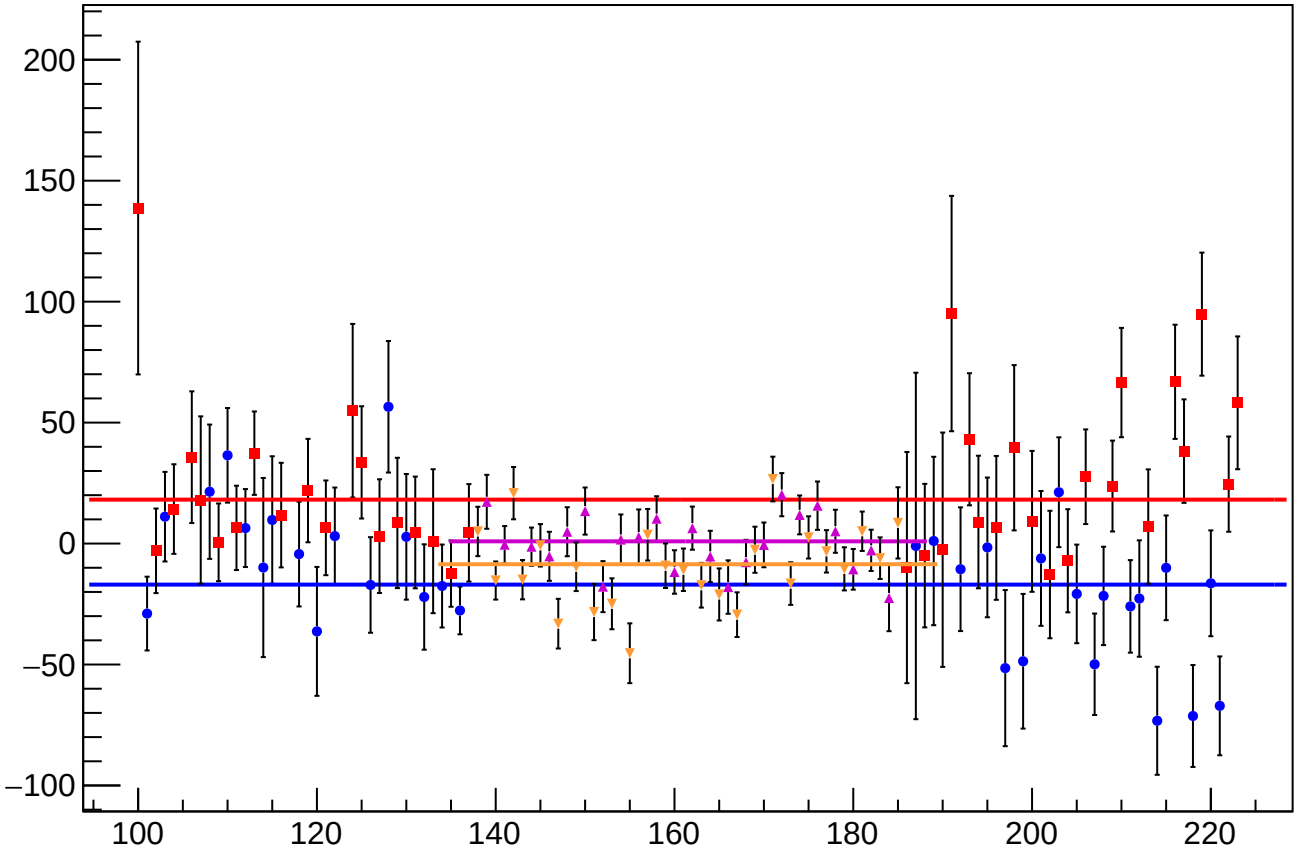
Right: 6535.415+/-0.712 χ^2/NDF: 4277085.0/72

In: 6588.809+/-0.749 χ^2/NDF:2490675.2/56

Out: 6660.706+/-0.741 χ^2/NDF:2840455.4/63

All: 6625.108+/-0.527 χ^2/NDF: 5335786.6/12

diff_bpm4eX_mean vs Slug, Sign Corrected



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

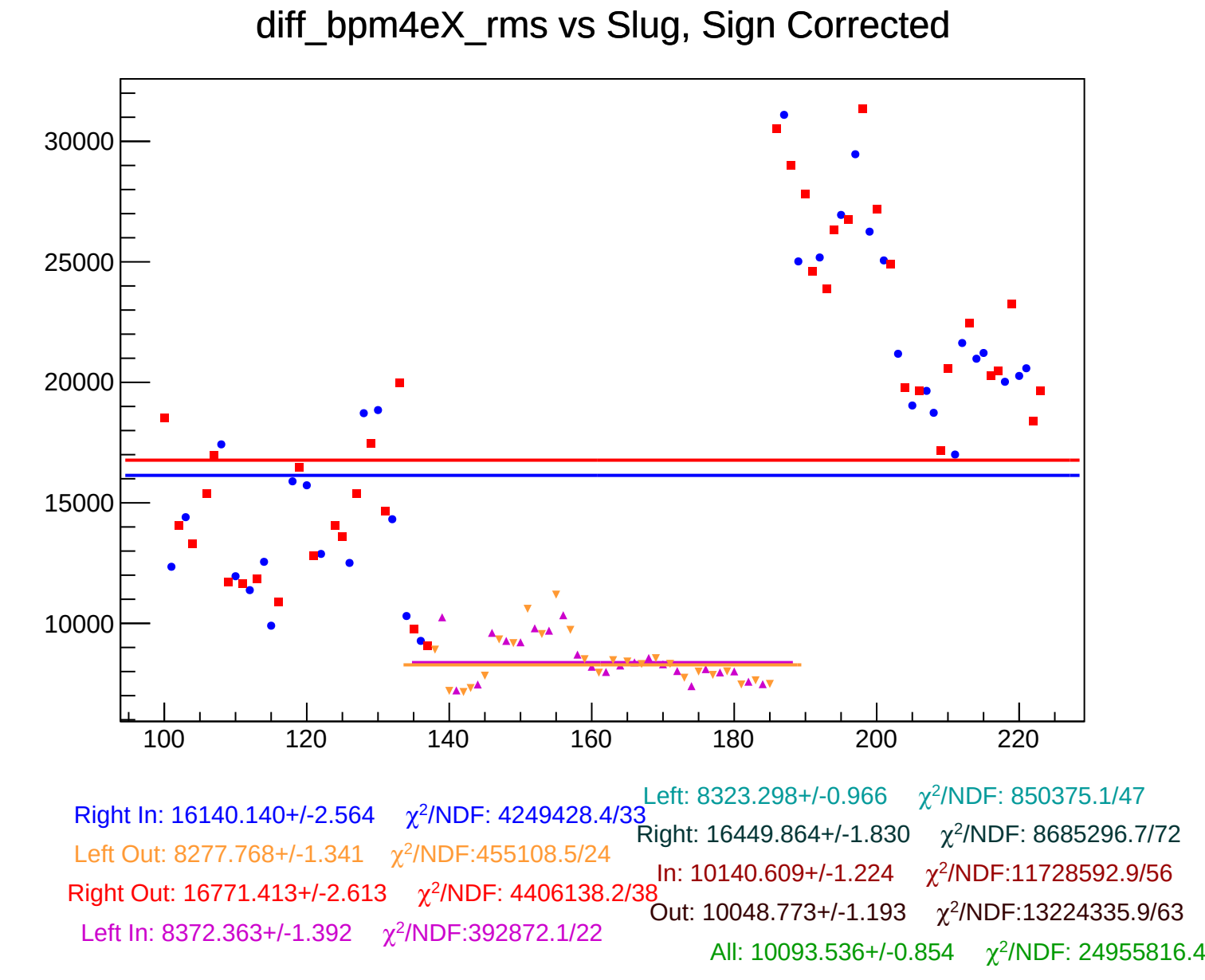
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.270+/-2.588 χ^2/NDF: 146.7/72

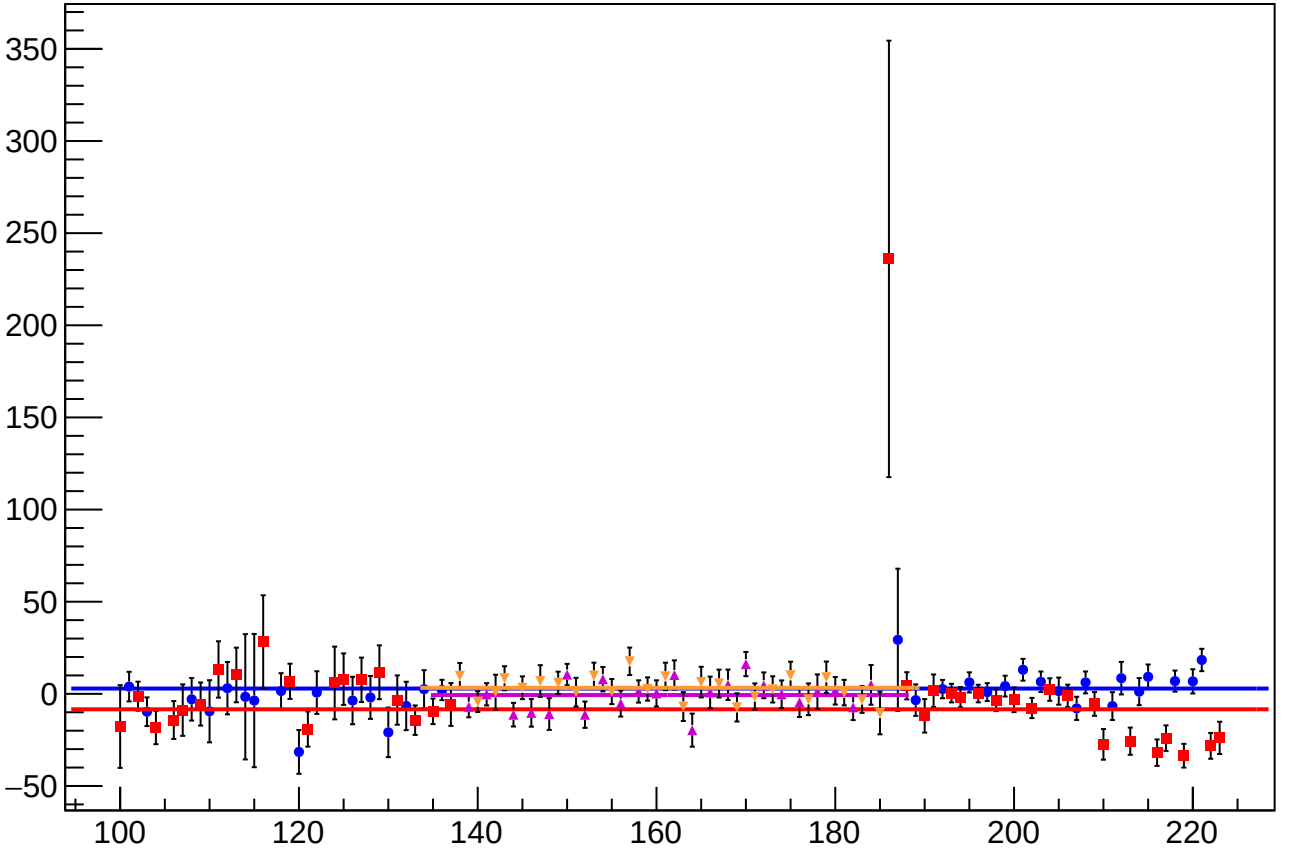
In: -3.152+/-1.730 χ^2/NDF:102.4/56

Out: -2.969+/-1.687 χ^2/NDF:149.4/63

All: -3.058+/-1.208 χ^2/NDF: 251.8/120


diff_bpm4eX_rms vs Slug, Sign Corrected
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
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 16449.864+/-1.830 χ²/NDF: 8685296.7/72
In: 10140.609+/-1.224 χ²/NDF:11728592.9/56
Out: 10048.773+/-1.193 χ²/NDF:13224335.9/63
All: 10093.536+/-0.854 χ²/NDF: 24955816.4

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

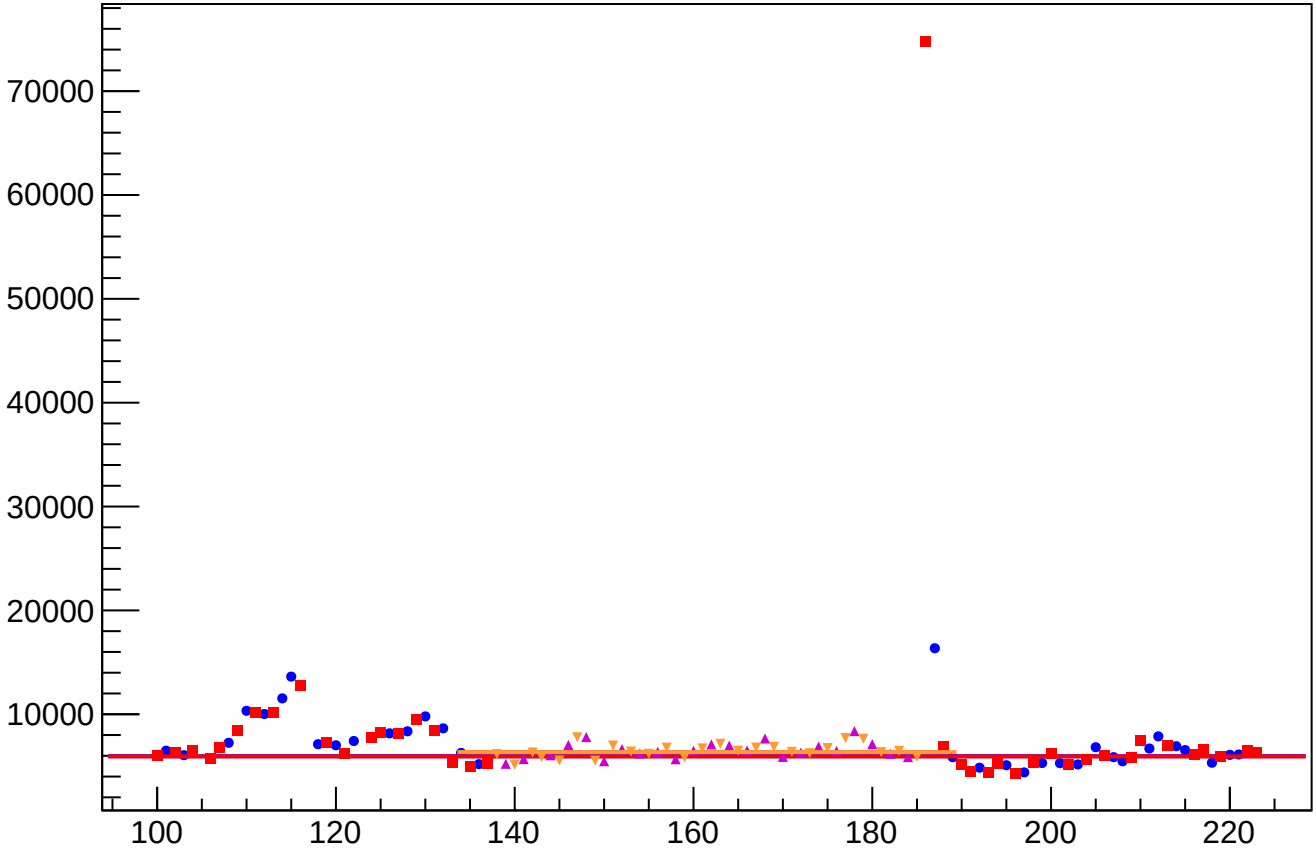
Right: -2.840+/-0.914 χ^2/NDF: 166.4/72

In: 1.361+/-0.984 χ^2/NDF:68.5/56

Out: -3.299+/-0.963 χ^2/NDF:147.5/63

All: -1.018+/-0.688 χ^2/NDF: 227.4/120

diff_bpm4eY_rms vs Slug, Sign Corrected



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

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

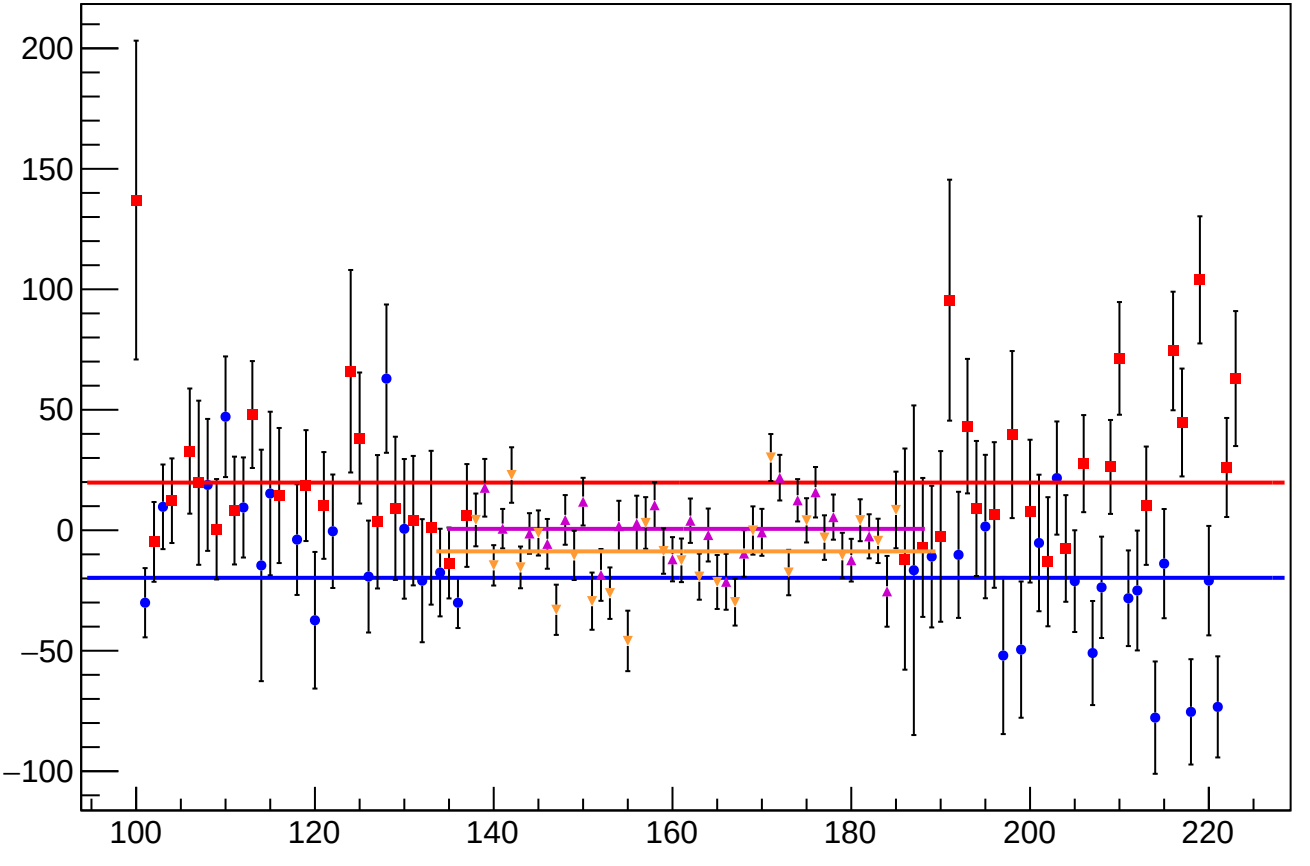
Right: 5948.620+/-0.647 χ^2/NDF: 4277444.6/72

In: 6131.518+/-0.696 χ^2/NDF:2359883.7/56

Out: 6121.675+/-0.681 χ^2/NDF:2979906.8/63

All: 6126.493+/-0.487 χ^2/NDF: 5339892.7/12

diff_bpm4acX_mean vs Slug, Sign Corrected



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

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

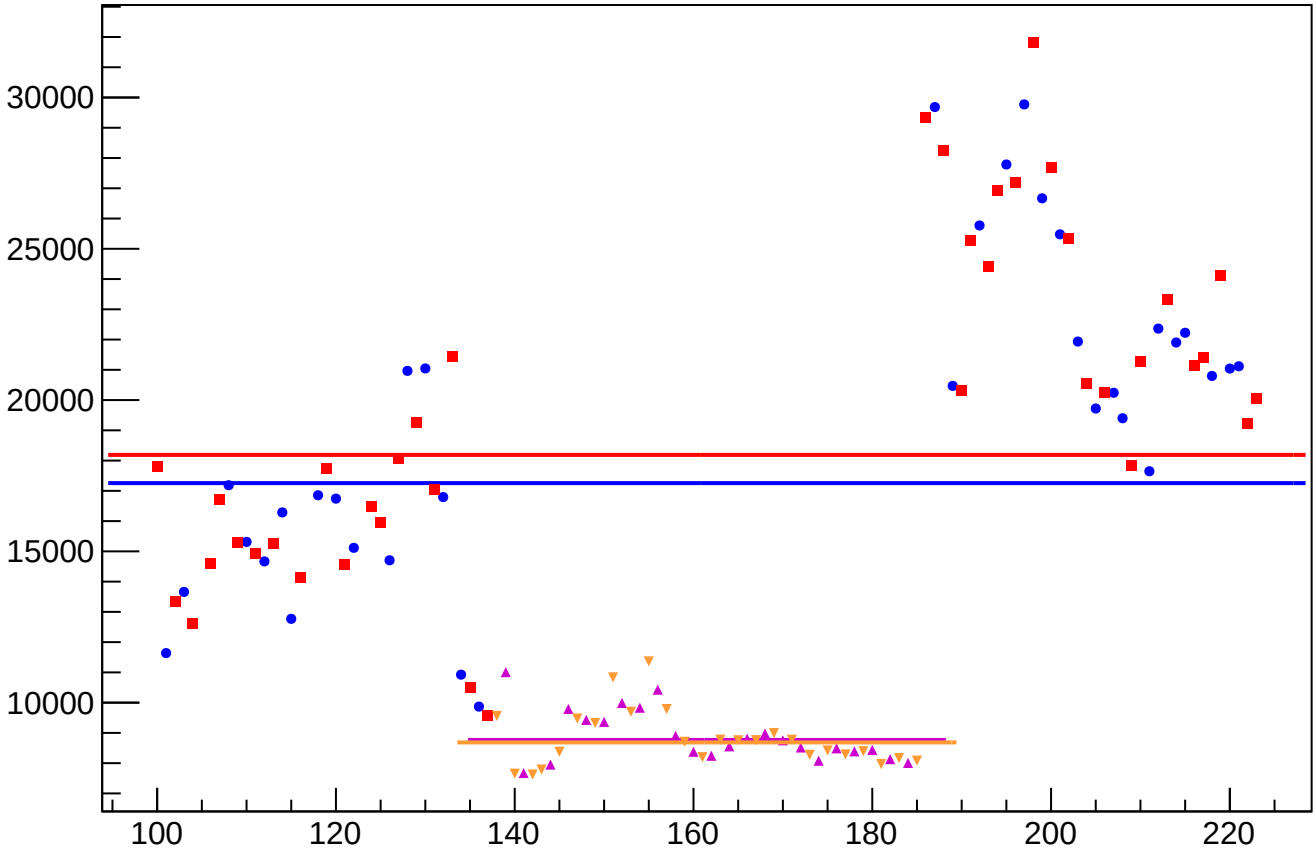
Right: -0.521+/-2.761 χ^2/NDF: 154.6/72

In: -3.937+/-1.816 χ^2/NDF:104.7/56

Out: -3.023+/-1.776 χ^2/NDF:154.1/63

All: -3.470+/-1.270 χ^2/NDF: 259.0/120

diff_bpm4acX_rms vs Slug, Sign Corrected



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

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

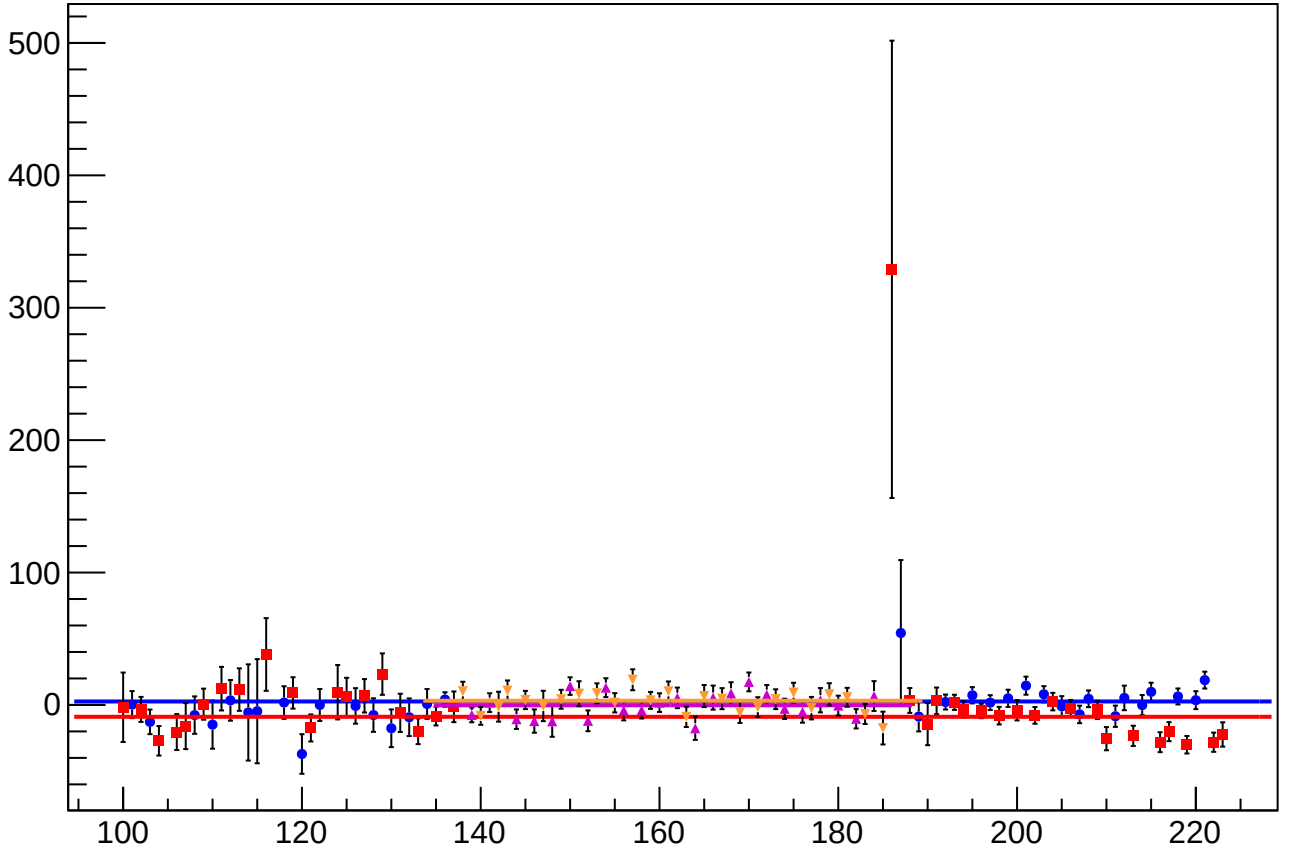
Right: 17709.173+/-1.952 χ^2/NDF: 7132692.7/72

In: 10654.237+/-1.284 χ^2/NDF:11493465.8/56

Out: 10597.492+/-1.256 χ^2/NDF:12972776.0/63

All: 10625.232+/-0.898 χ^2/NDF: 24467240.0

diff_bpm4acY_mean vs Slug, Sign Corrected



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

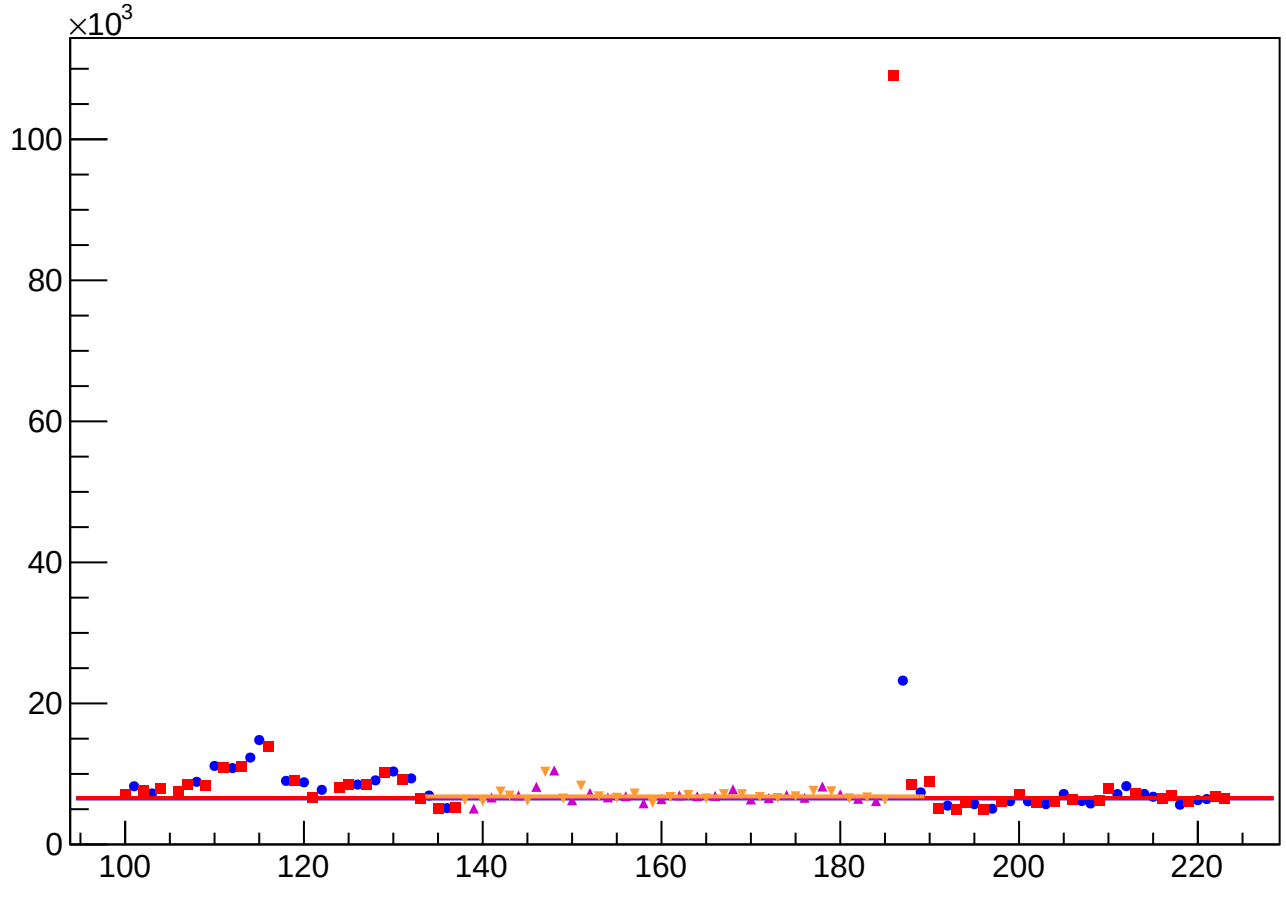
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -3.188+/-1.009 χ^2/NDF: 142.8/72

In: 1.325+/-1.063 χ^2/NDF:70.1/56

Out: -3.444+/-1.053 χ^2/NDF:130.5/63

All: -1.083+/-0.748 χ^2/NDF: 210.7/120



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

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

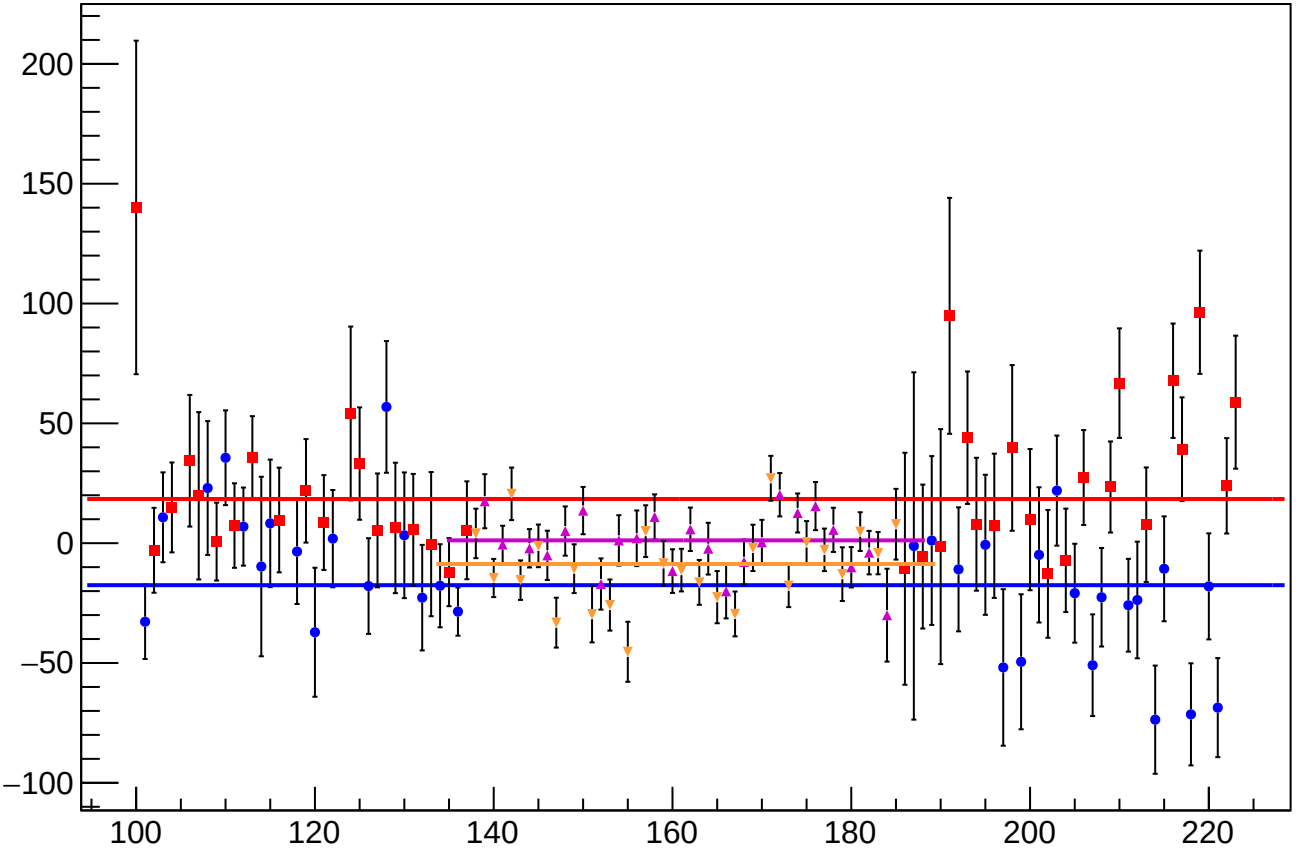
Right: 6557.844+/-0.714 χ^2/NDF: 4260921.4/72

In: 6617.788+/-0.752 χ^2/NDF:2474196.5/56

Out: 6689.532+/-0.744 χ^2/NDF:2829965.0/63

All: 6654.011+/-0.529 χ^2/NDF: 5308759.4/12

diff_bpm4ecX_mean vs Slug, Sign Corrected



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

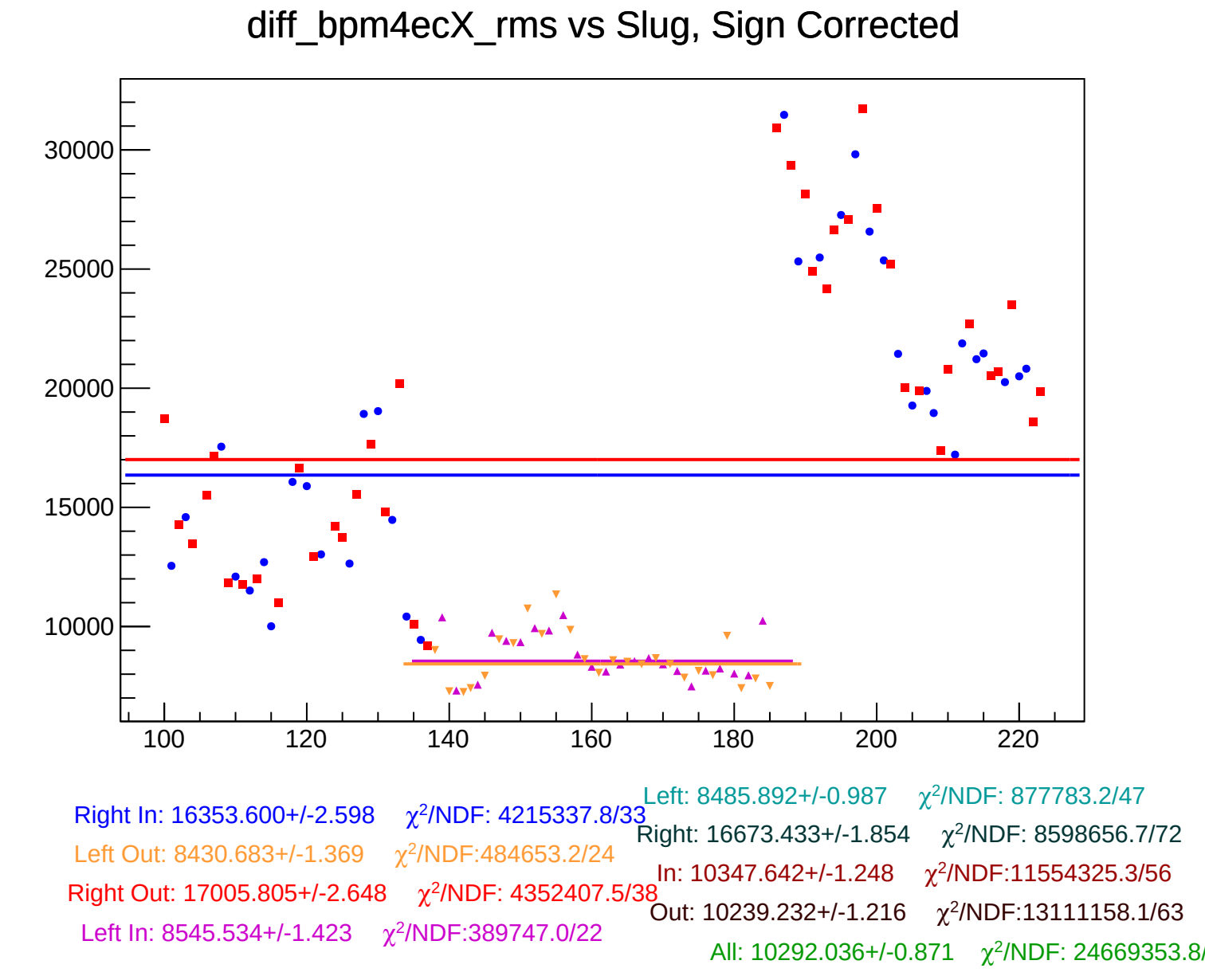
Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

Right: 0.110+/-2.623 χ^2/NDF: 146.7/72

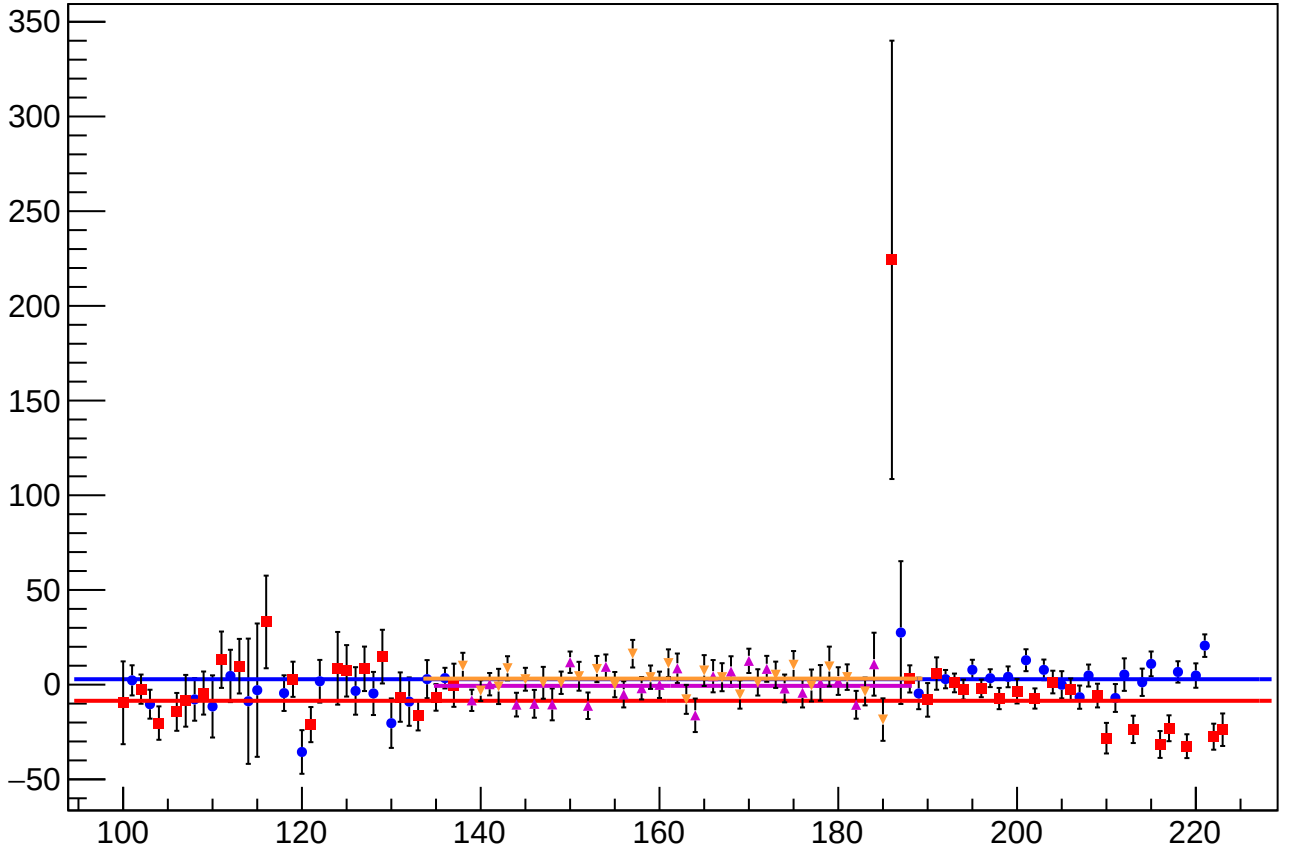
In: -3.142+/-1.765 χ^2/NDF:103.2/56

Out: -2.970+/-1.720 χ^2/NDF:147.8/63

All: -3.054+/-1.232 χ^2/NDF: 251.0/120


diff_bpm4ecX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16353.600+/-2.598 χ²/NDF: 4215337.8/33
Left Out: 8430.683+/-1.369 χ²/NDF:484653.2/24
Right Out: 17005.805+/-2.648 χ²/NDF: 4352407.5/38
Left In: 8545.534+/-1.423 χ²/NDF:389747.0/22
Left: 8485.892+/-0.987 χ²/NDF: 877783.2/47
Right: 16673.433+/-1.854 χ²/NDF: 8598656.7/72
In: 10347.642+/-1.248 χ²/NDF:11554325.3/56
Out: 10239.232+/-1.216 χ²/NDF:13111158.1/63
All: 10292.036+/-0.871 χ²/NDF: 24669353.8/

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

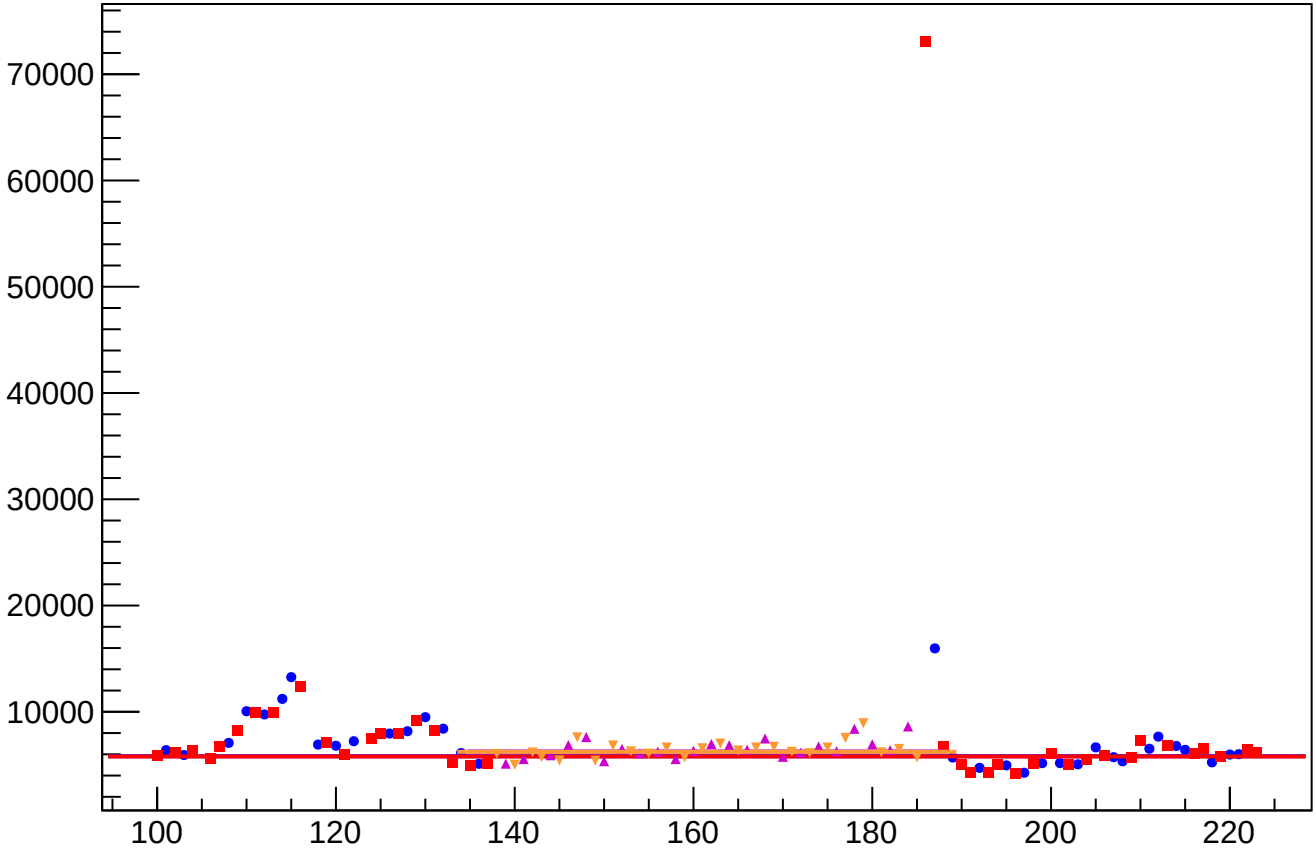
Right: -2.921+/-0.893 χ^2/NDF: 176.6/72

In: 1.379+/-0.966 χ^2/NDF:77.8/56

Out: -3.459+/-0.944 χ^2/NDF:149.5/63

All: -1.095+/-0.675 χ^2/NDF: 240.2/120

diff_bpm4ecY_rms vs Slug, Sign Corrected



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

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

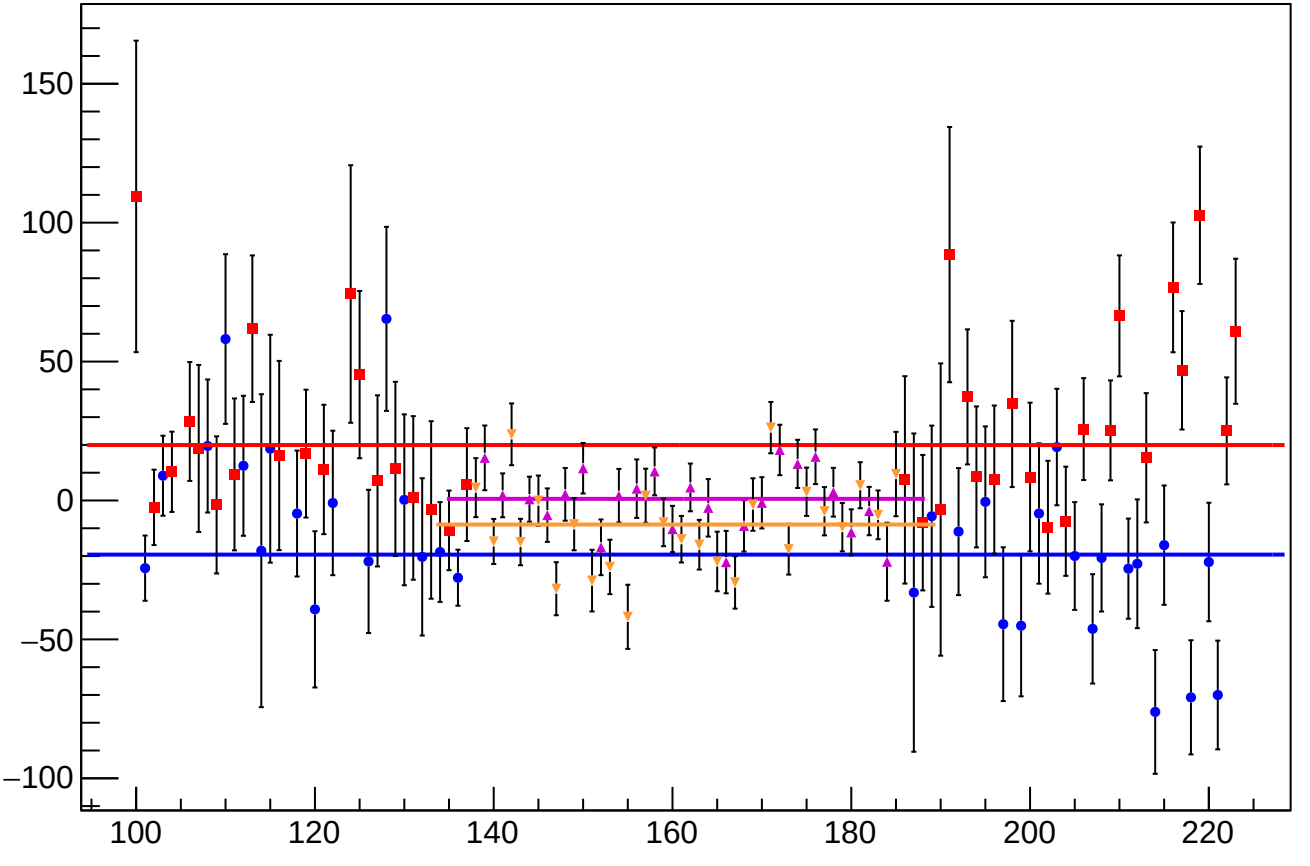
Right: 5807.875+/-0.631 χ^2/NDF: 4267462.0/72

In: 6010.251+/-0.683 χ^2/NDF:2434263.3/56

Out: 5987.425+/-0.667 χ^2/NDF:3077787.2/63

All: 5998.576+/-0.477 χ^2/NDF: 5512622.0/12

diff_bpm1X_mean vs Slug, Sign Corrected



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

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

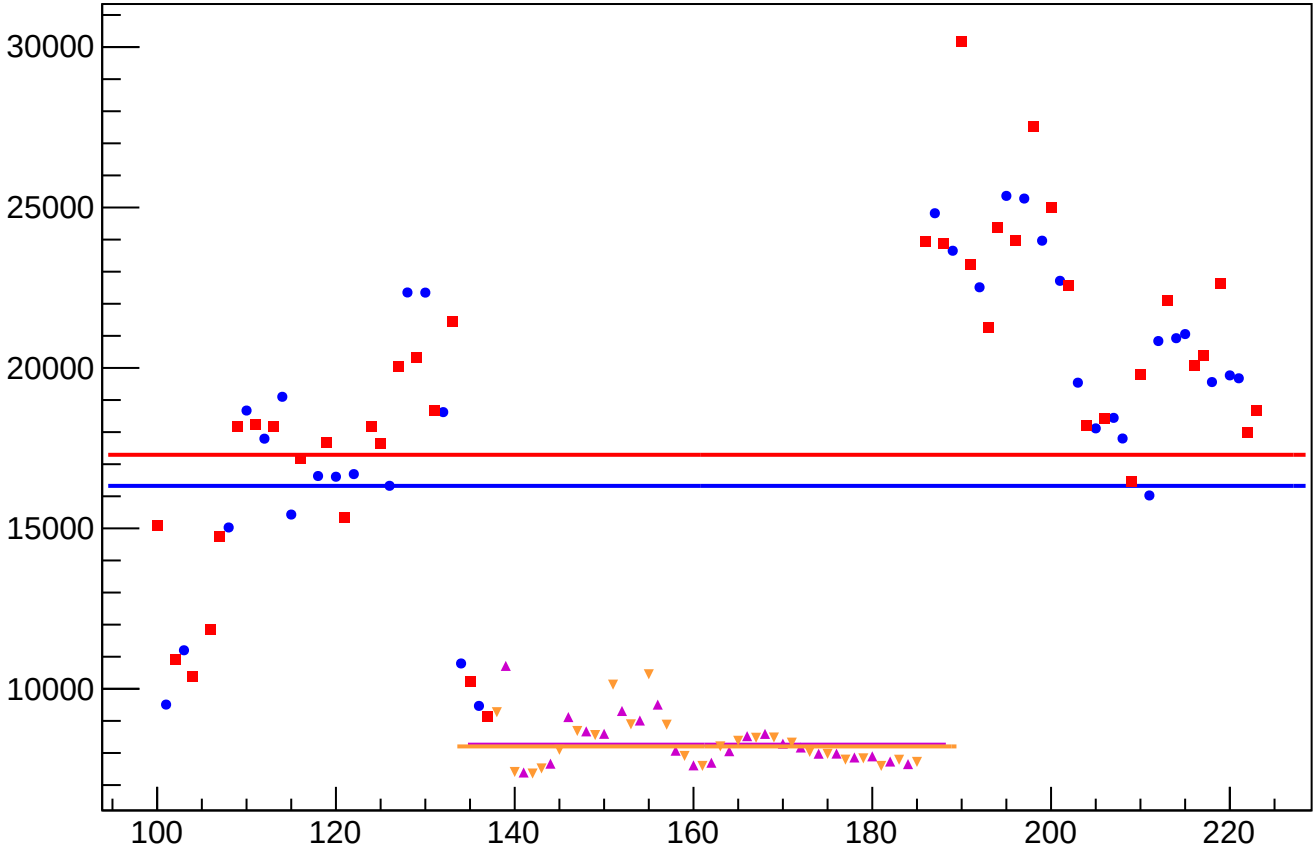
Right: -0.394+/-2.620 χ^2/NDF: 161.7/72

In: -3.837+/-1.712 χ^2/NDF:104.7/56

Out: -2.968+/-1.679 χ^2/NDF:161.8/63

All: -3.394+/-1.199 χ^2/NDF: 266.6/120

diff_bpm1X_rms vs Slug, Sign Corrected



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

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

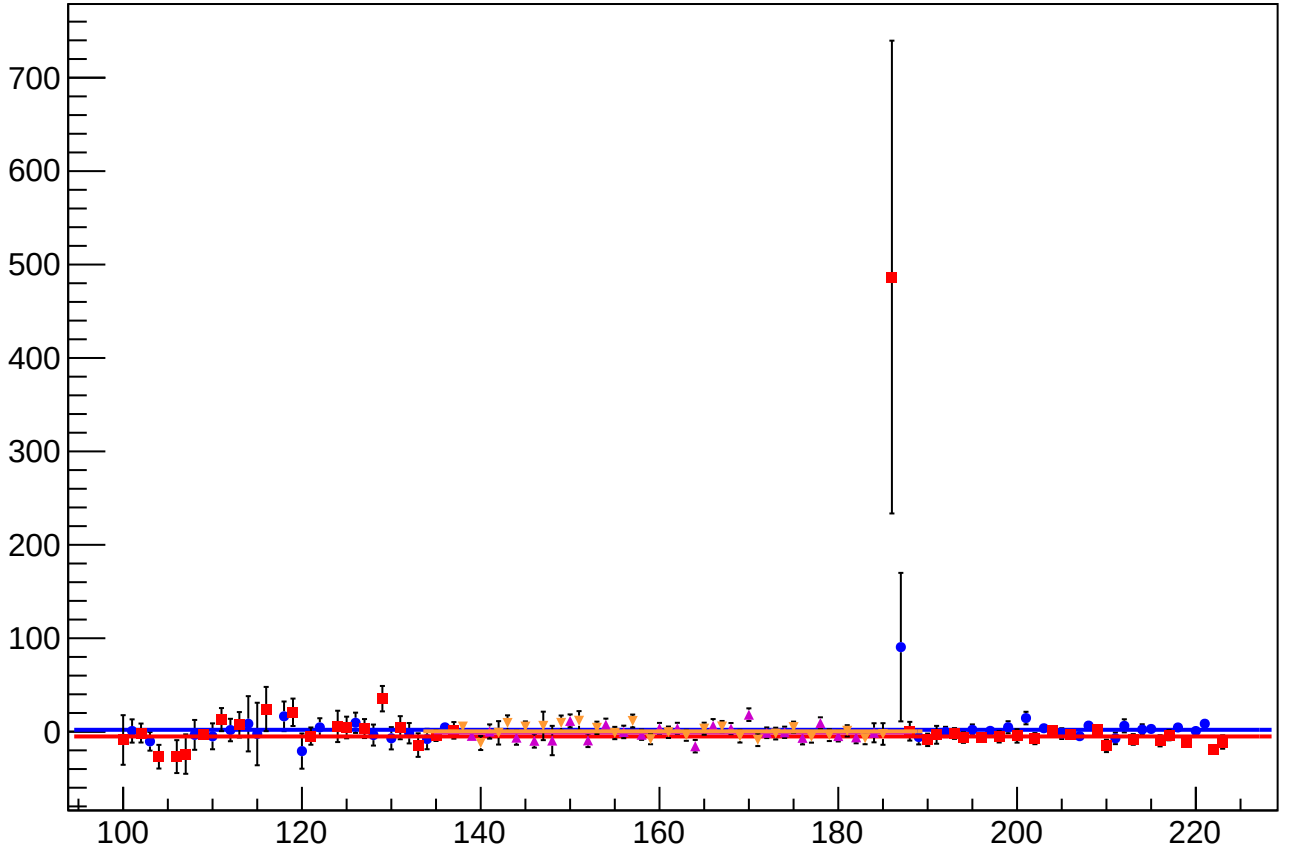
Right: 16793.288+/-1.853 χ^2/NDF: 7293322.1/72

In: 10035.821+/-1.211 χ^2/NDF:11660205.9/56

Out: 10009.980+/-1.187 χ^2/NDF:13053295.6/63

All: 10022.645+/-0.848 χ^2/NDF: 24713733.8

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

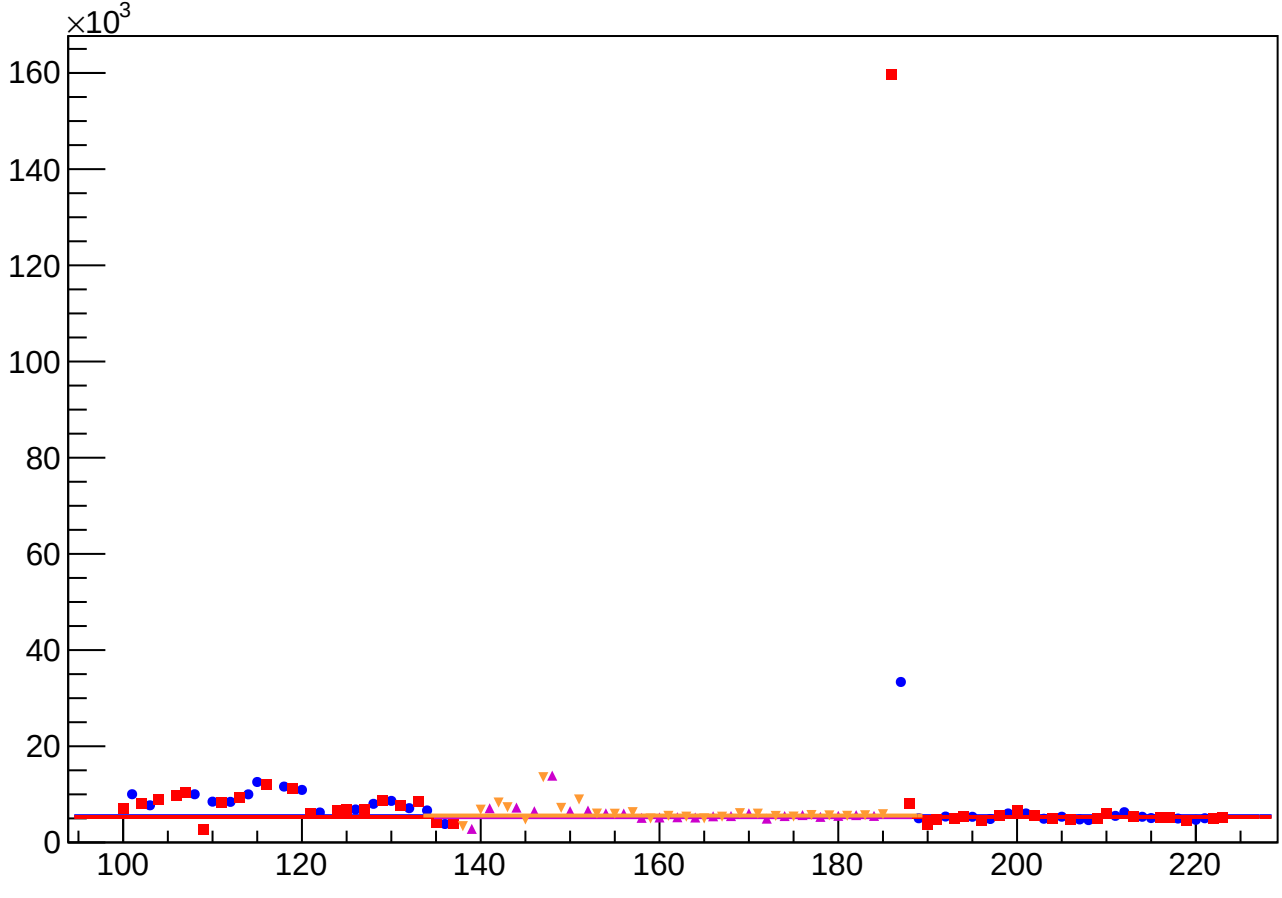
Right: -1.656+/-0.842 χ^2/NDF: 84.7/72

In: 0.736+/-0.882 χ^2/NDF:53.1/56

Out: -2.702+/-0.878 χ^2/NDF:77.1/63

All: -0.991+/-0.622 χ^2/NDF: 137.8/120

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

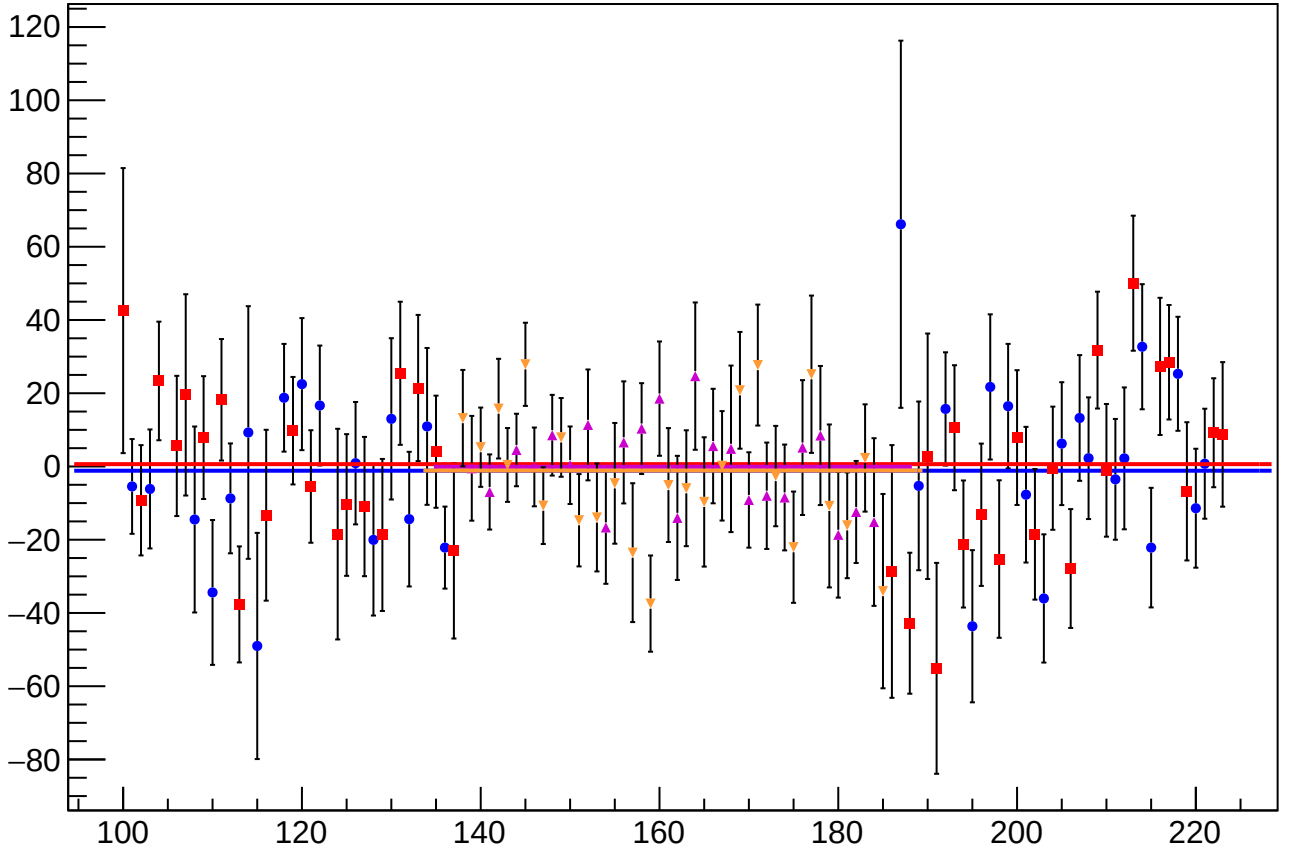
Right: 5377.307+/-0.595 χ^2/NDF: 6469476.9/72

In: 5370.020+/-0.624 χ^2/NDF:5021037.6/56

Out: 5427.414+/-0.621 χ^2/NDF:5721410.0/63

All: 5398.849+/-0.440 χ^2/NDF: 10746701.2/1

diff_bpm11X_mean vs Slug, Sign Corrected



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

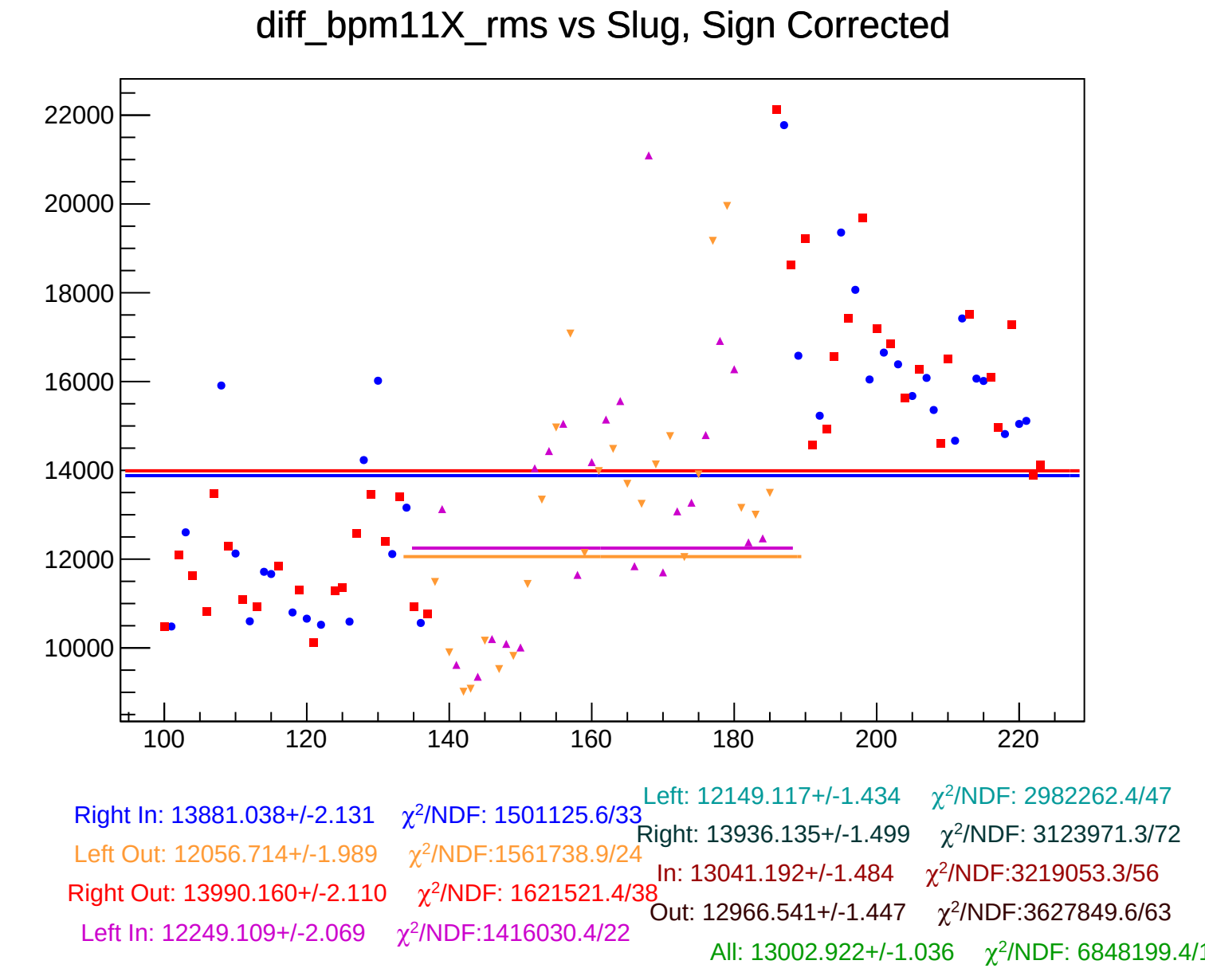
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

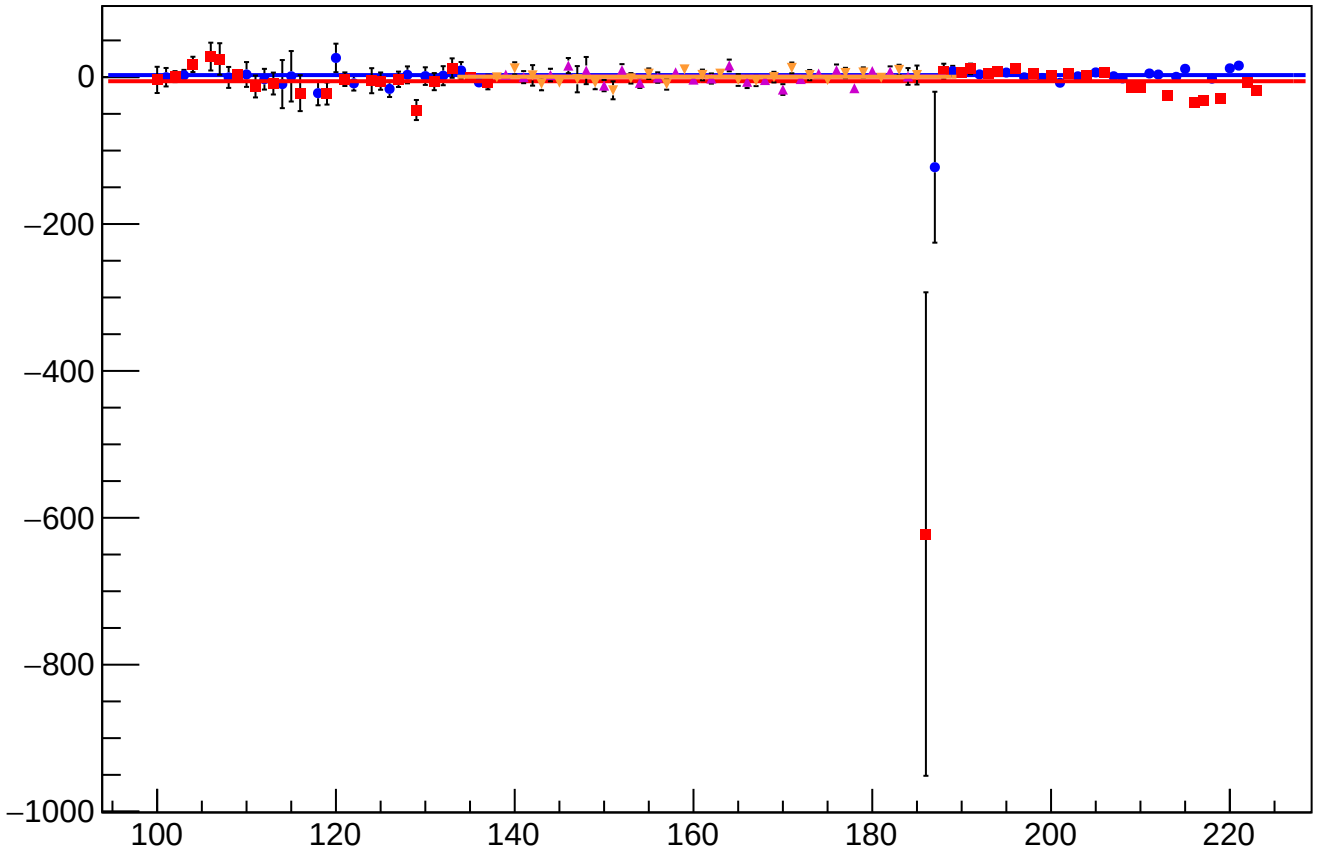
Right: -0.252+/-2.120 χ^2/NDF: 92.7/72

In: -0.606+/-2.099 χ^2/NDF:51.5/56

Out: -0.289+/-2.047 χ^2/NDF:86.5/63

All: -0.443+/-1.466 χ^2/NDF: 138.1/120


diff_bpm11X_rms vs Slug, Sign Corrected
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
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13936.135+/-1.499 χ²/NDF: 3123971.3/72
In: 13041.192+/-1.484 χ²/NDF:3219053.3/56
Out: 12966.541+/-1.447 χ²/NDF:3627849.6/63
All: 13002.922+/-1.036 χ²/NDF: 6848199.4/1



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

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

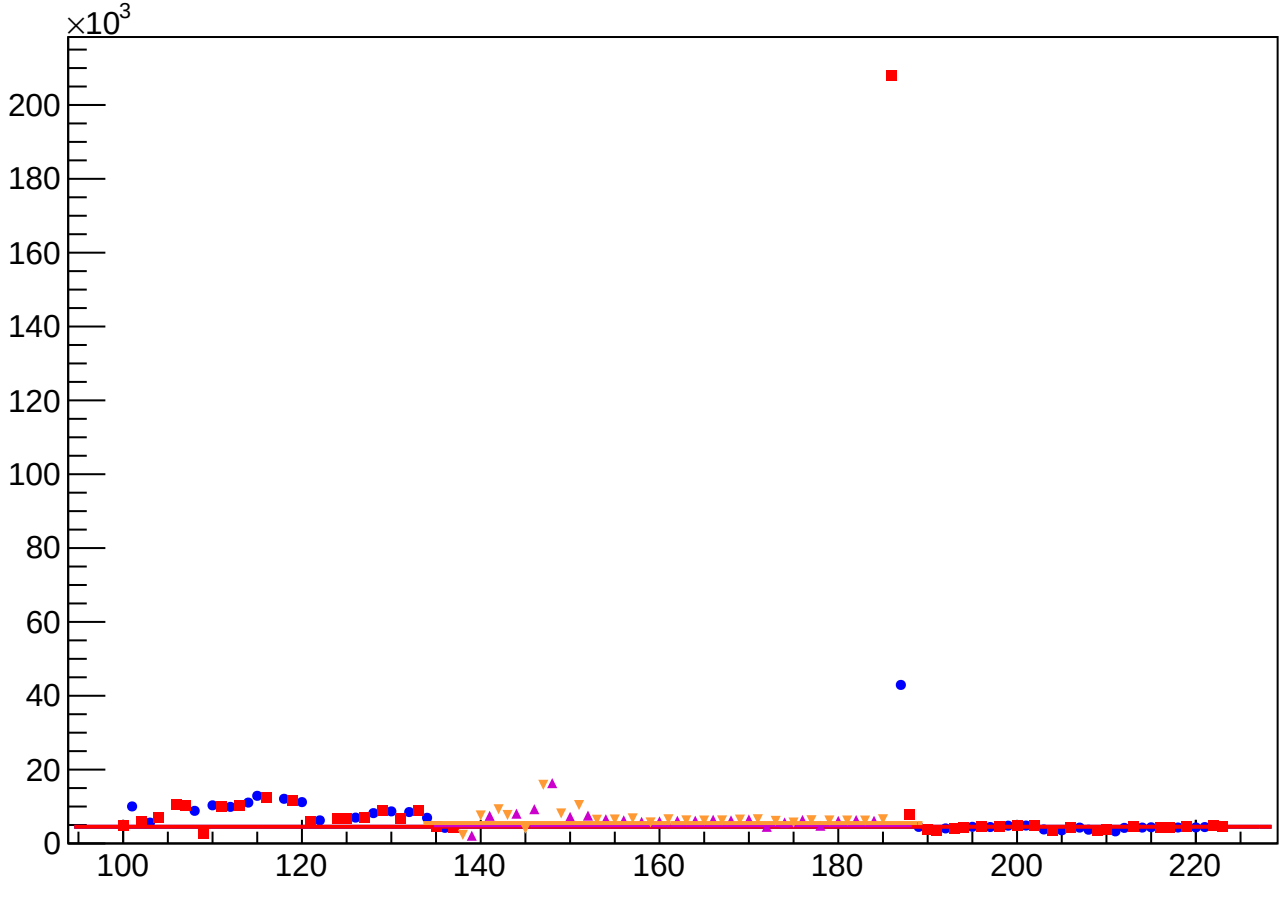
Right: -1.385+/-0.717 χ^2/NDF: 284.5/72

In: 2.082+/-0.798 χ^2/NDF:74.4/56

Out: -3.402+/-0.815 χ^2/NDF:243.8/63

All: -0.601+/-0.570 χ^2/NDF: 341.4/120

diff_bpm11Y_rms vs Slug, Sign Corrected



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

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

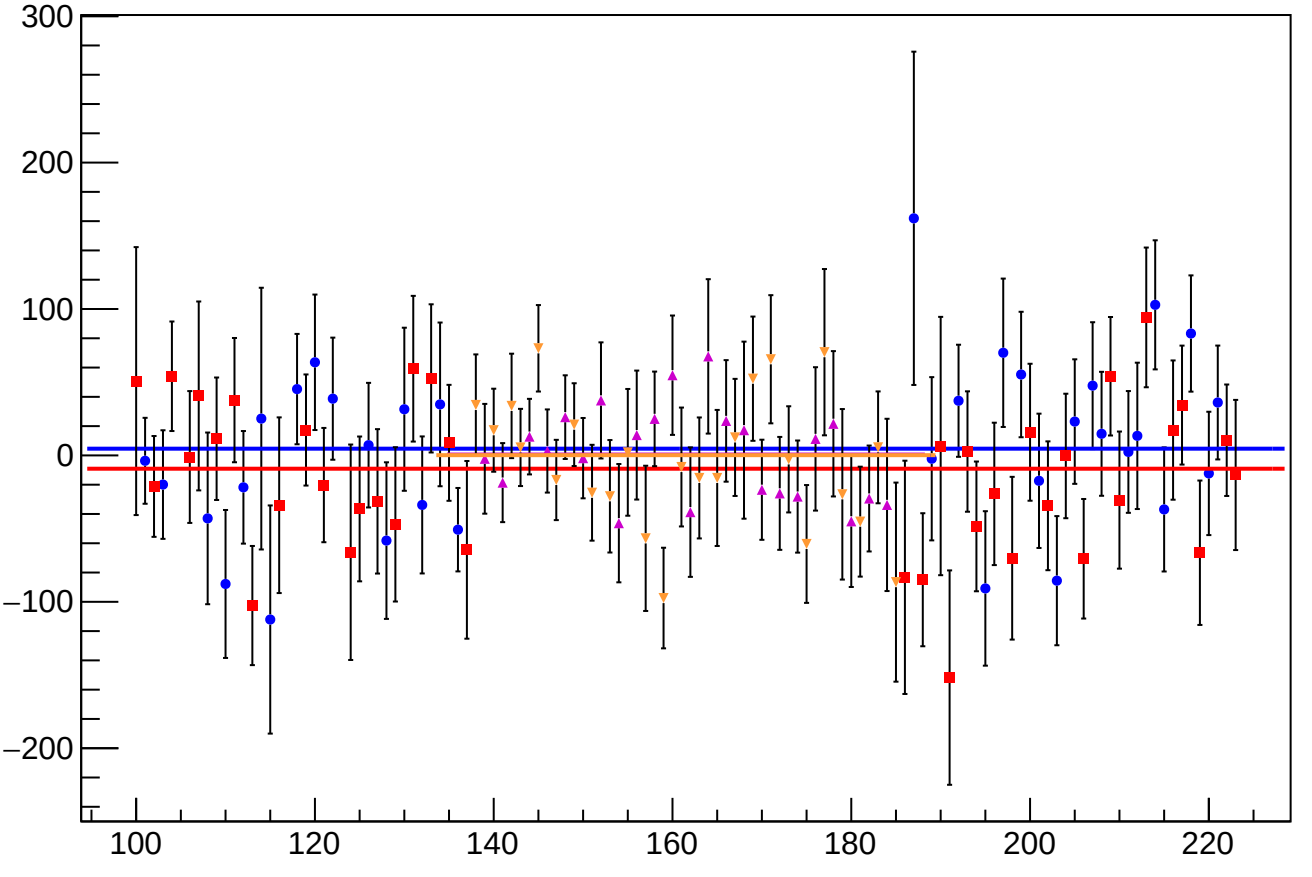
Right: 4516.147+/-0.507 χ^2/NDF: 7981968.9/72

In: 4673.438+/-0.564 χ^2/NDF:9808193.5/56

Out: 4879.693+/-0.576 χ^2/NDF:9319487.4/63

All: 4774.353+/-0.403 χ^2/NDF: 19193084.2/

diff_bpm12X_mean vs Slug, Sign Corrected



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

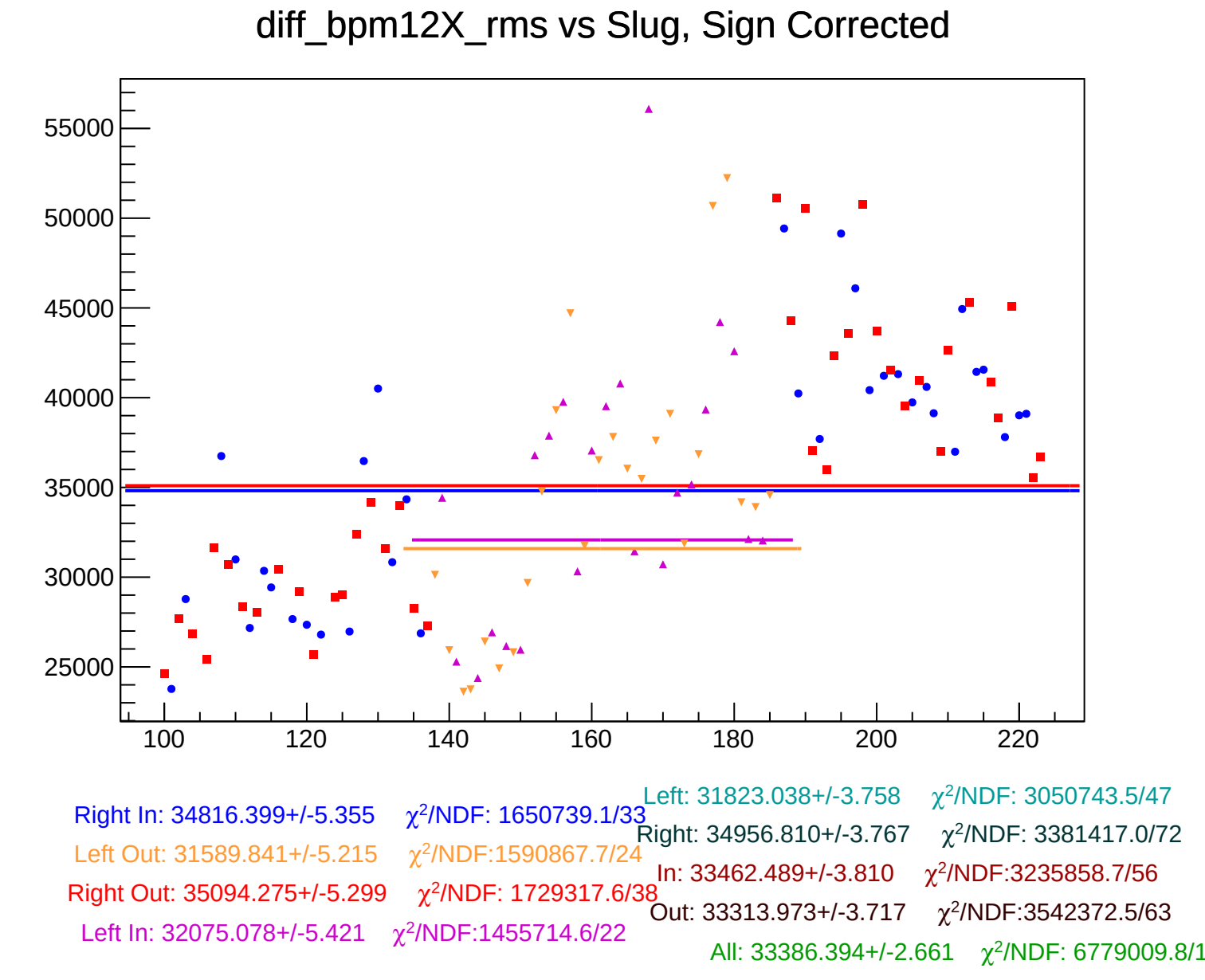
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.319+/-5.327 χ^2/NDF: 84.7/72

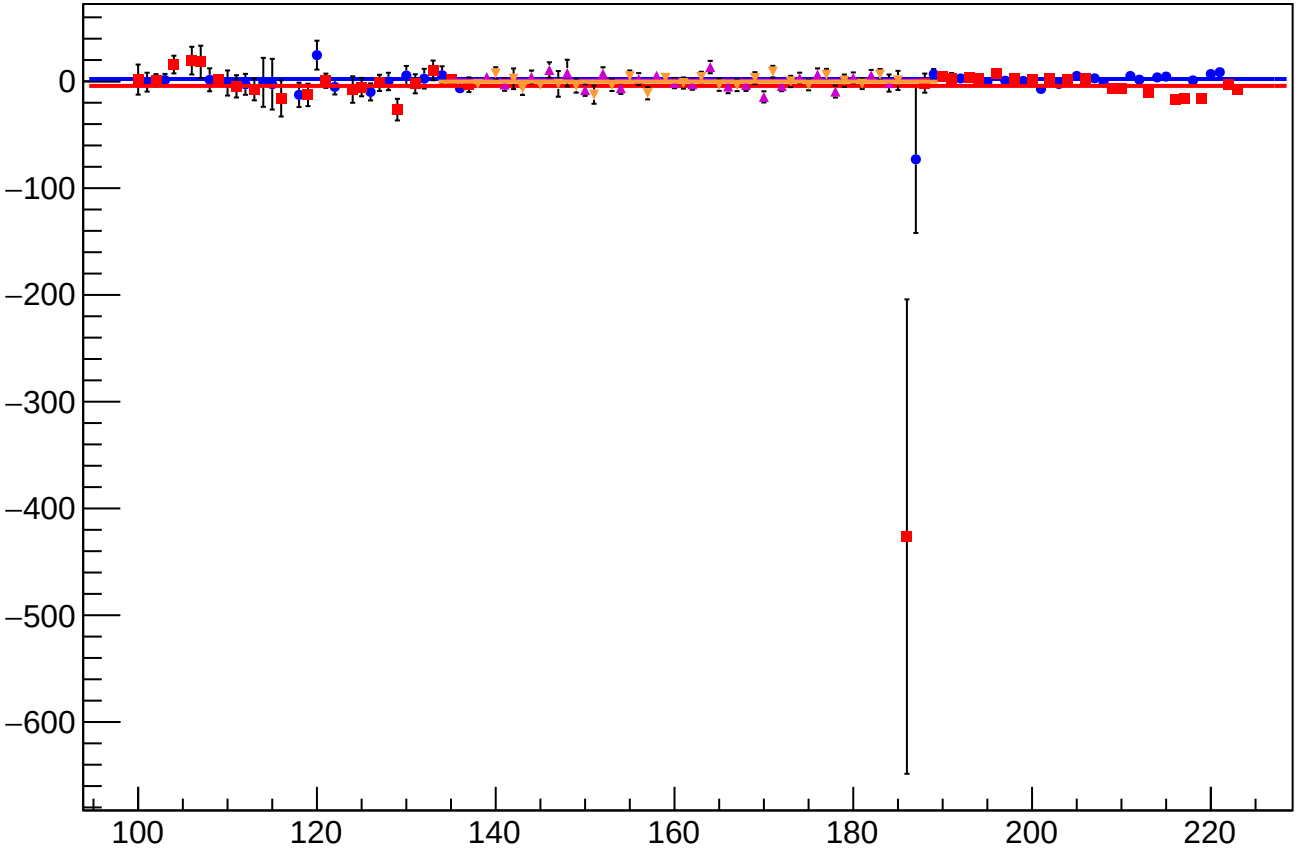
In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.386+/-5.256 χ^2/NDF:72.5/63

All: -0.972+/-3.763 χ^2/NDF: 128.7/120


diff_bpm12X_rms vs Slug, Sign Corrected
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
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34956.810+/-3.767 χ²/NDF: 3381417.0/72
In: 33462.489+/-3.810 χ²/NDF:3235858.7/56
Out: 33313.973+/-3.717 χ²/NDF:3542372.5/63
All: 33386.394+/-2.661 χ²/NDF: 6779009.8/1

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

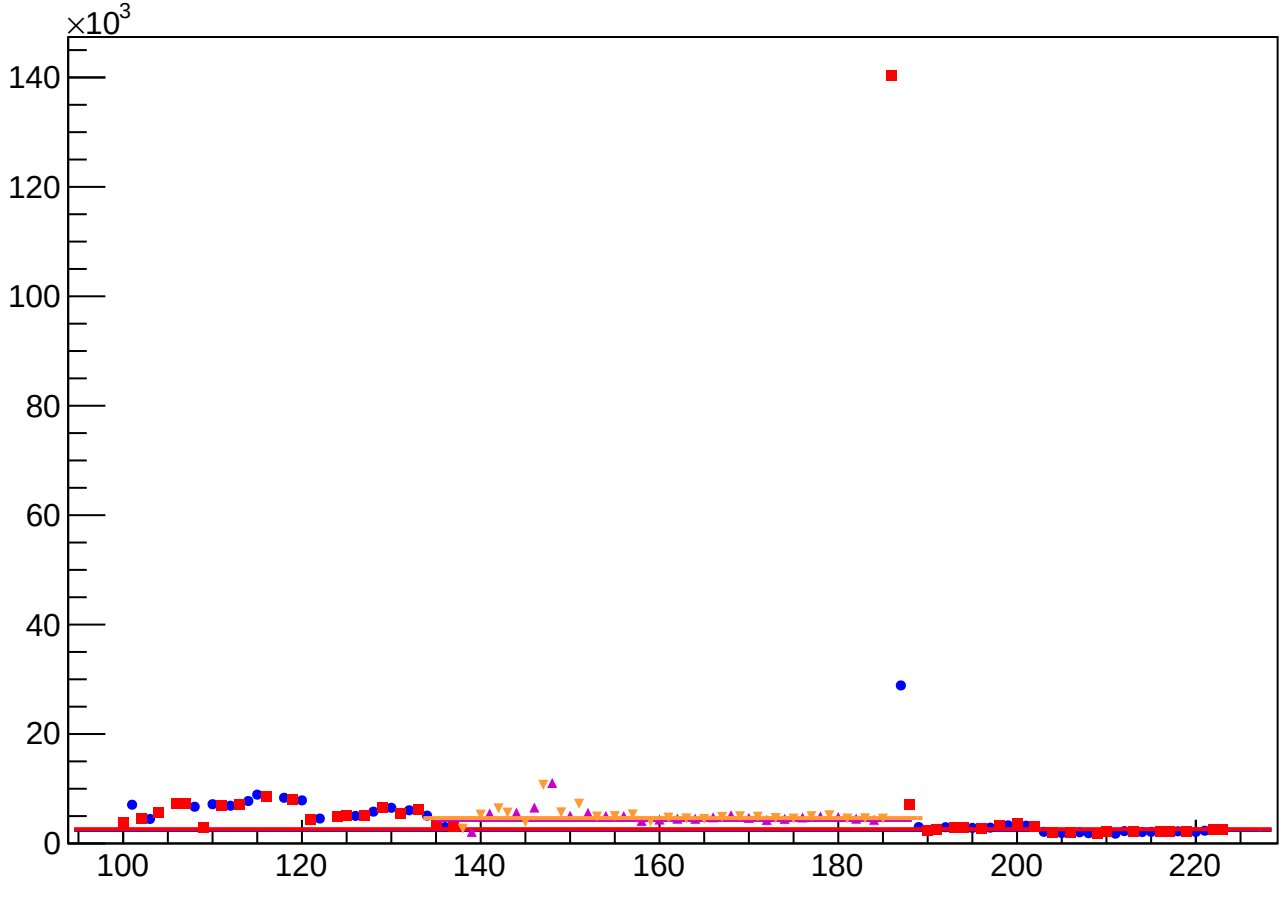
Right: -0.865+/-0.414 χ^2/NDF: 296.2/72

In: 1.904+/-0.504 χ^2/NDF:85.6/56

Out: -3.314+/-0.525 χ^2/NDF:215.1/63

All: -0.600+/-0.364 χ^2/NDF: 352.1/120

diff_bpm12Y_rms vs Slug, Sign Corrected



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

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

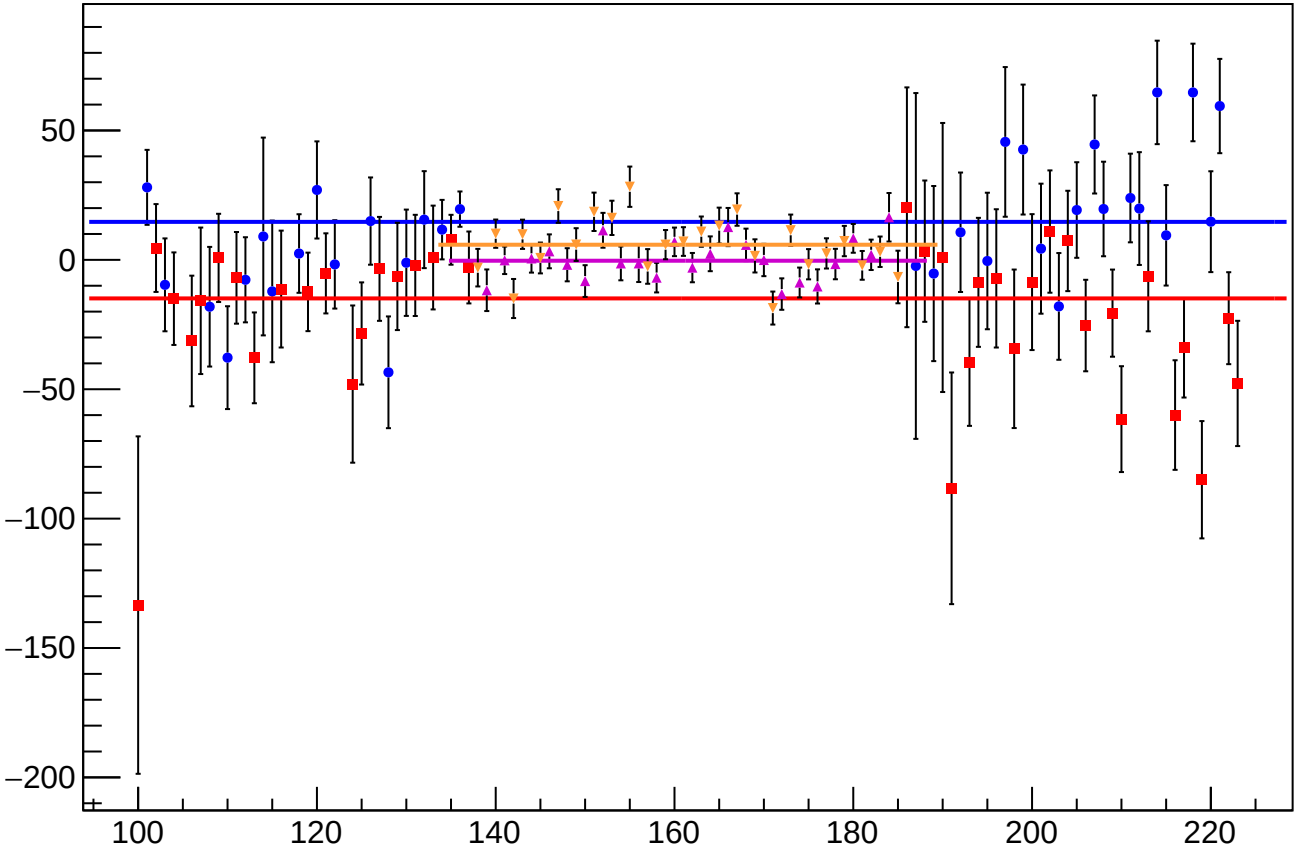
Right: 2536.253+/-0.293 χ^2/NDF: 12722621.8/72

In: 2885.825+/-0.357 χ^2/NDF:13767396.1/56

Out: 3072.321+/-0.371 χ^2/NDF:13646210.0/63

All: 2975.313+/-0.257 χ^2/NDF: 27544864.6/

diff_bpm16X_mean vs Slug, Sign Corrected



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

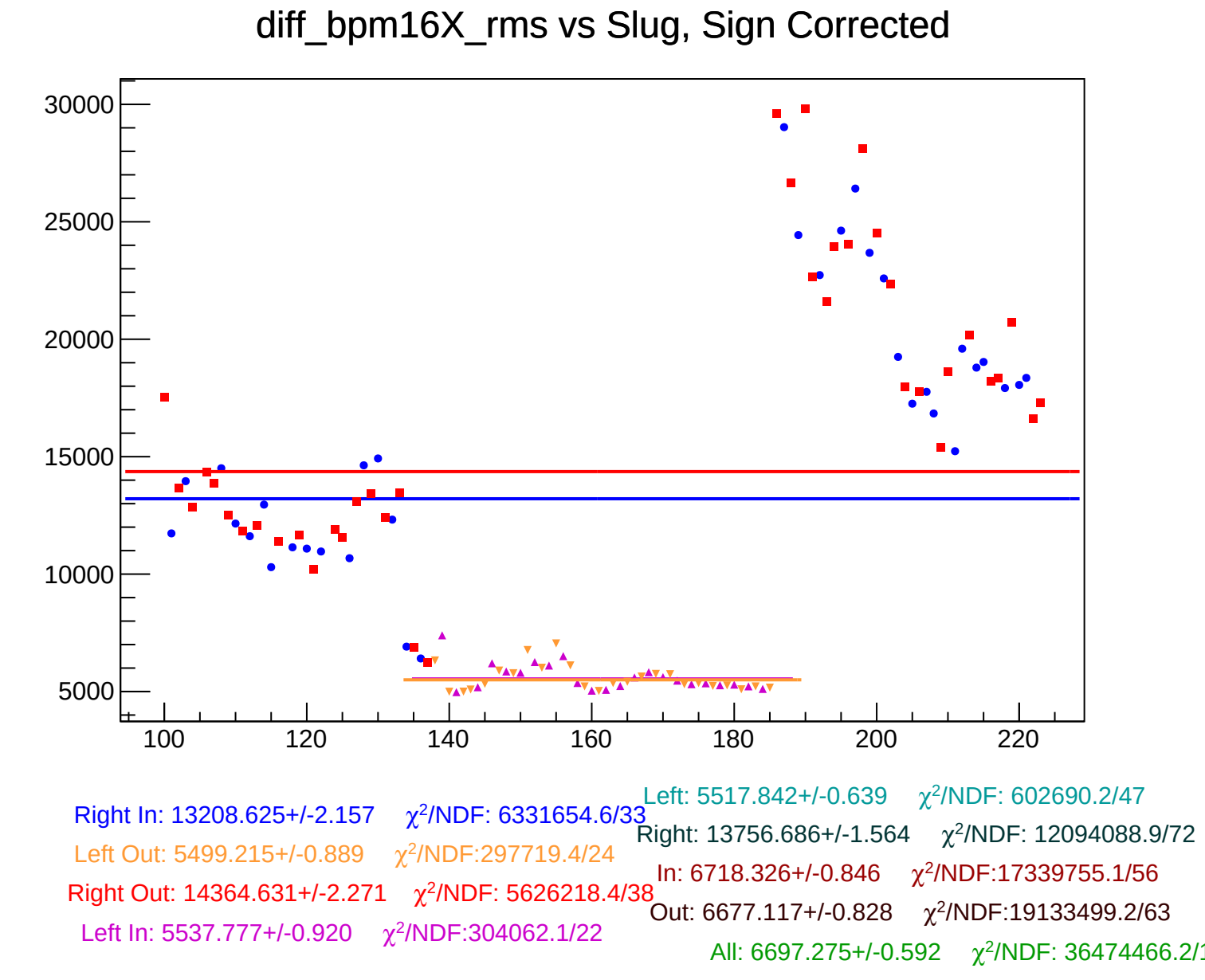
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

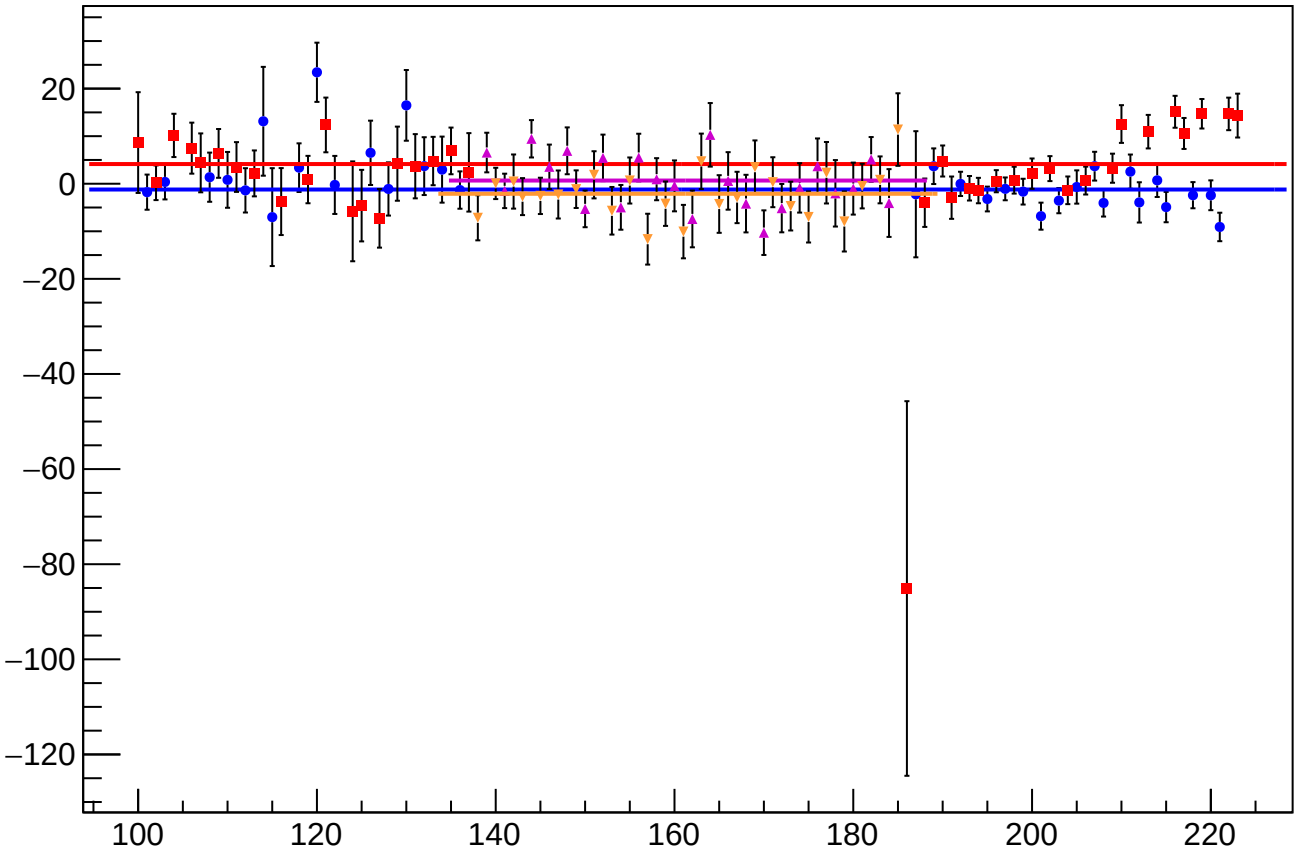
Right: 0.656+/-2.212 χ^2/NDF: 146.3/72

In: 1.974+/-1.197 χ^2/NDF:103.0/56

Out: 3.092+/-1.171 χ^2/NDF:144.8/63

All: 2.545+/-0.837 χ^2/NDF: 248.3/120


diff_bpm16X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 13208.625+/-2.157 χ²/NDF: 6331654.6/33
Left Out: 5499.215+/-0.889 χ²/NDF:297719.4/24
Right Out: 14364.631+/-2.271 χ²/NDF: 5626218.4/38
Left In: 5537.777+/-0.920 χ²/NDF:304062.1/22
Left: 5517.842+/-0.639 χ²/NDF: 602690.2/47
Right: 13756.686+/-1.564 χ²/NDF: 12094088.9/72
In: 6718.326+/-0.846 χ²/NDF:17339755.1/56
Out: 6677.117+/-0.828 χ²/NDF:19133499.2/63
All: 6697.275+/-0.592 χ²/NDF: 36474466.2/



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

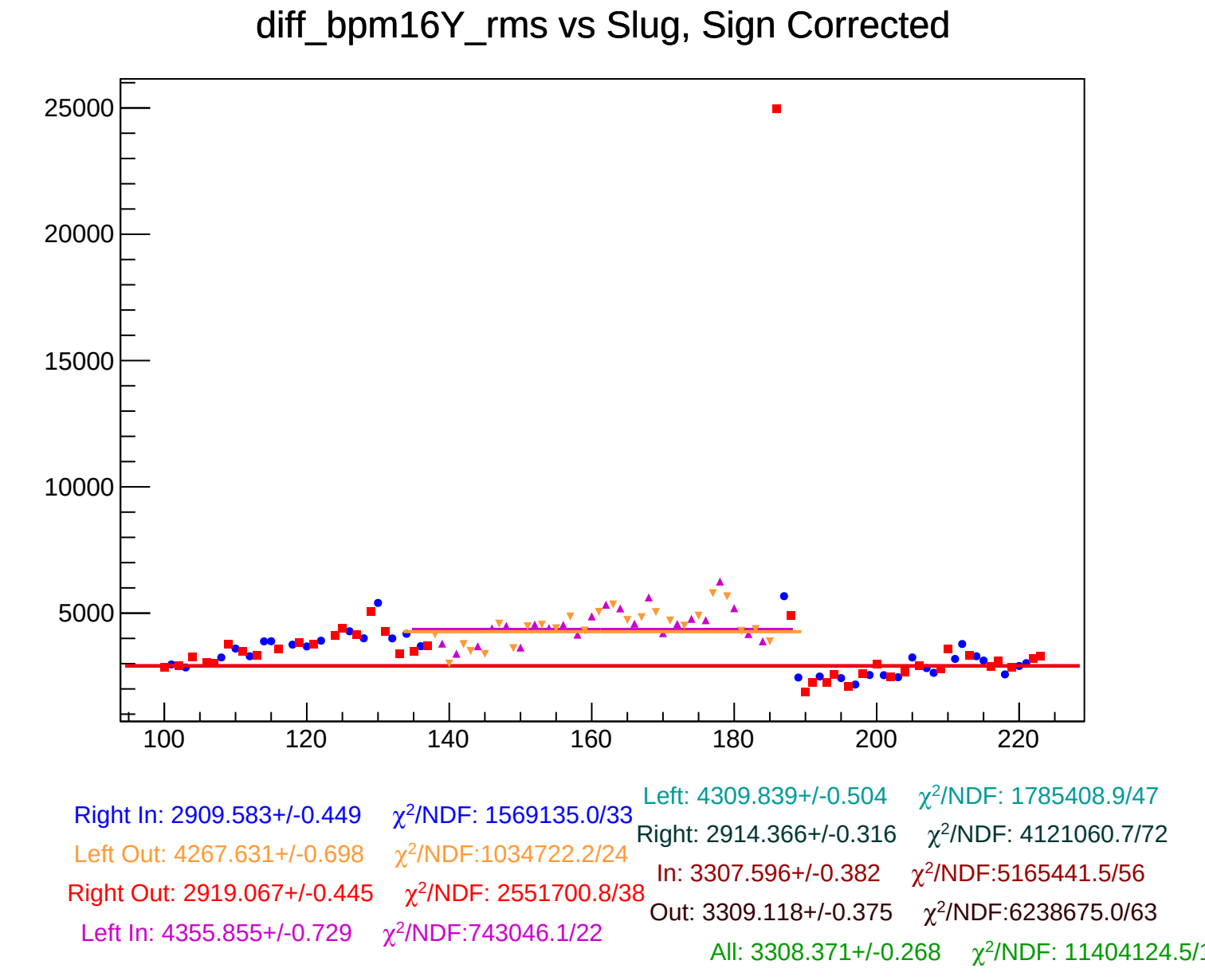
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 1.483+/-0.447 χ^2/NDF: 174.5/72

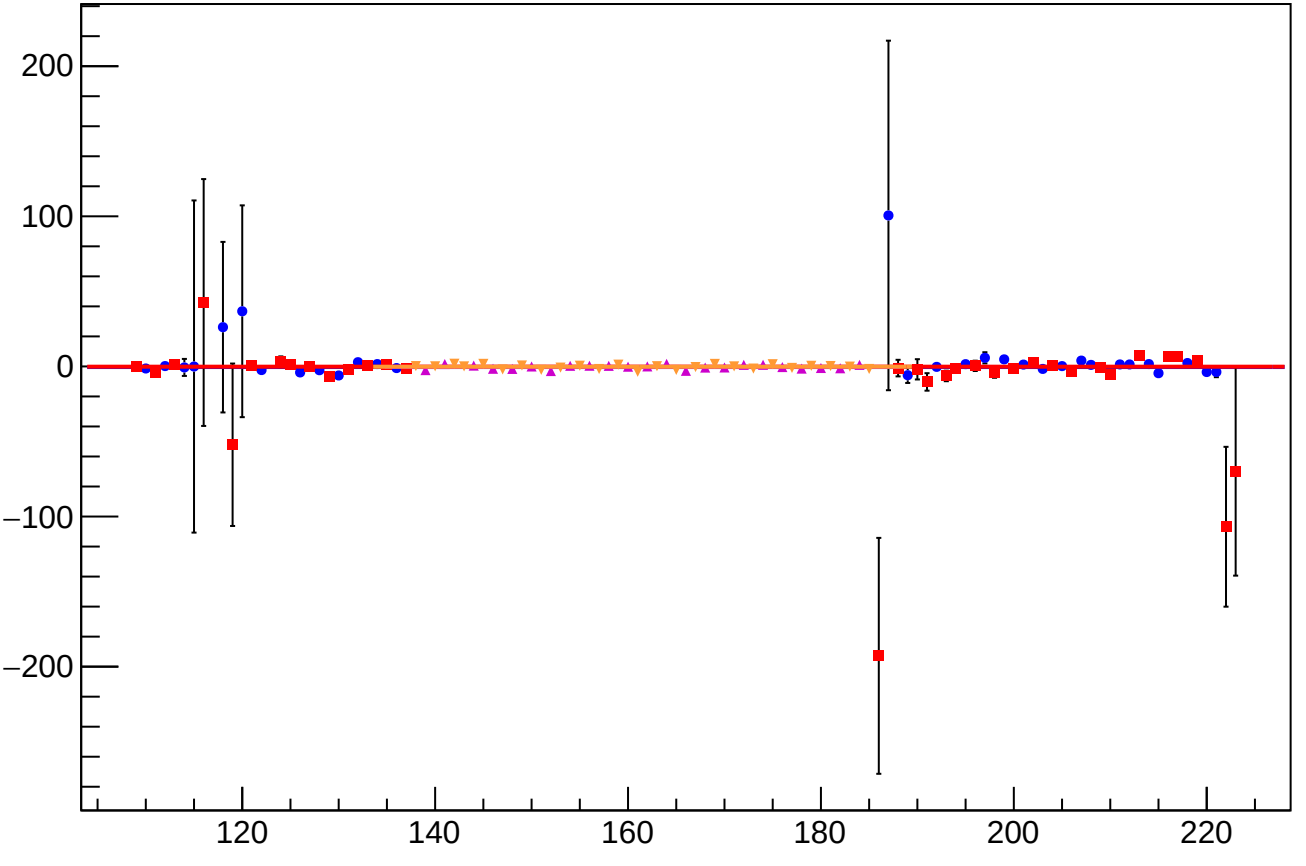
In: -0.698+/-0.541 χ^2/NDF:79.0/56

Out: 2.329+/-0.531 χ^2/NDF:136.5/63

All: 0.843+/-0.379 χ^2/NDF: 231.4/120


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 2909.583+/-0.449 χ²/NDF: 1569135.0/33
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2919.067+/-0.445 χ²/NDF: 2551700.8/38
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2914.366+/-0.316 χ²/NDF: 4121060.7/72
In: 3307.596+/-0.382 χ²/NDF:5165441.5/56
Out: 3309.118+/-0.375 χ²/NDF:6238675.0/63
All: 3308.371+/-0.268 χ²/NDF: 11404124.5/

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

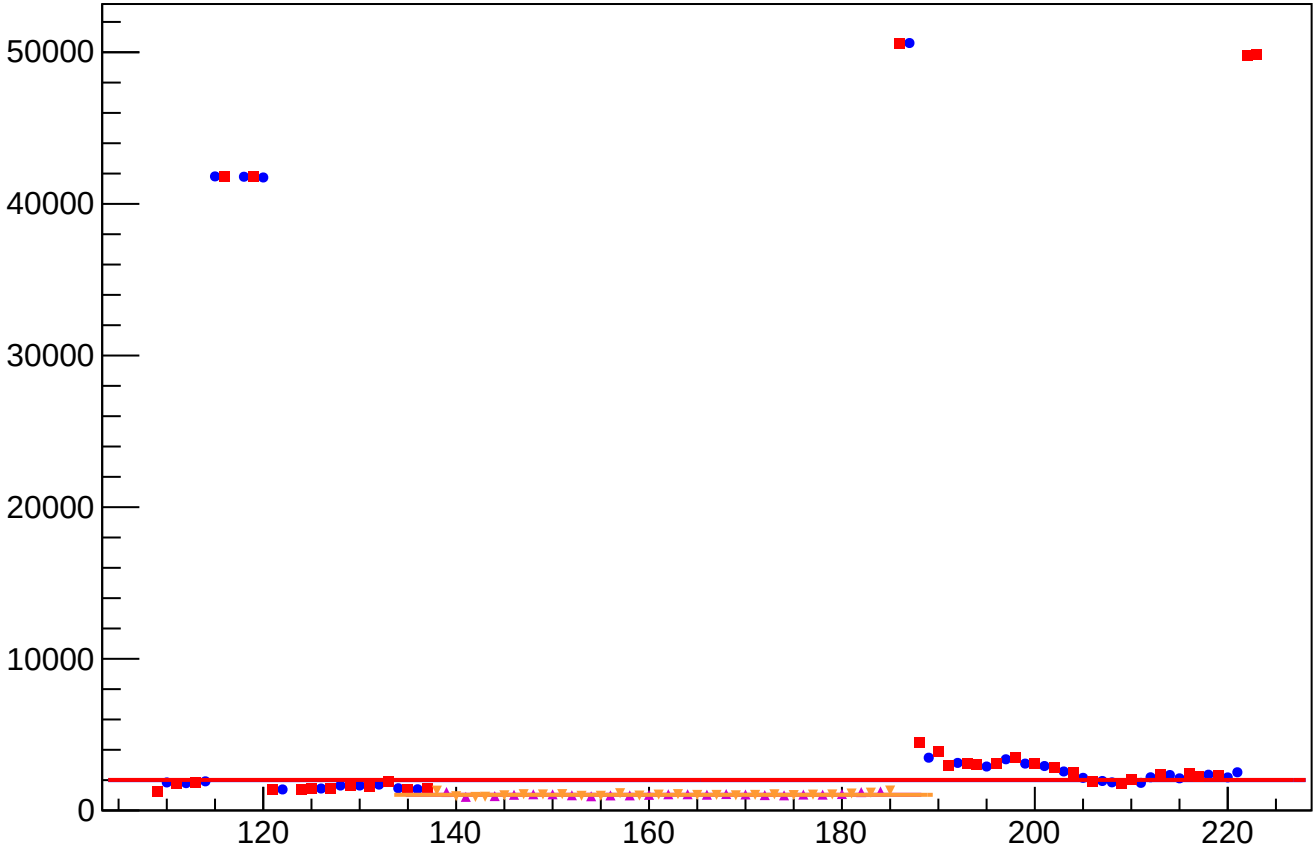
Right: -0.295+/-0.345 χ^2/NDF: 100.8/64

In: -0.349+/-0.216 χ^2/NDF:65.1/53

Out: -0.195+/-0.213 χ^2/NDF:98.9/58

All: -0.271+/-0.152 χ^2/NDF: 164.3/112

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

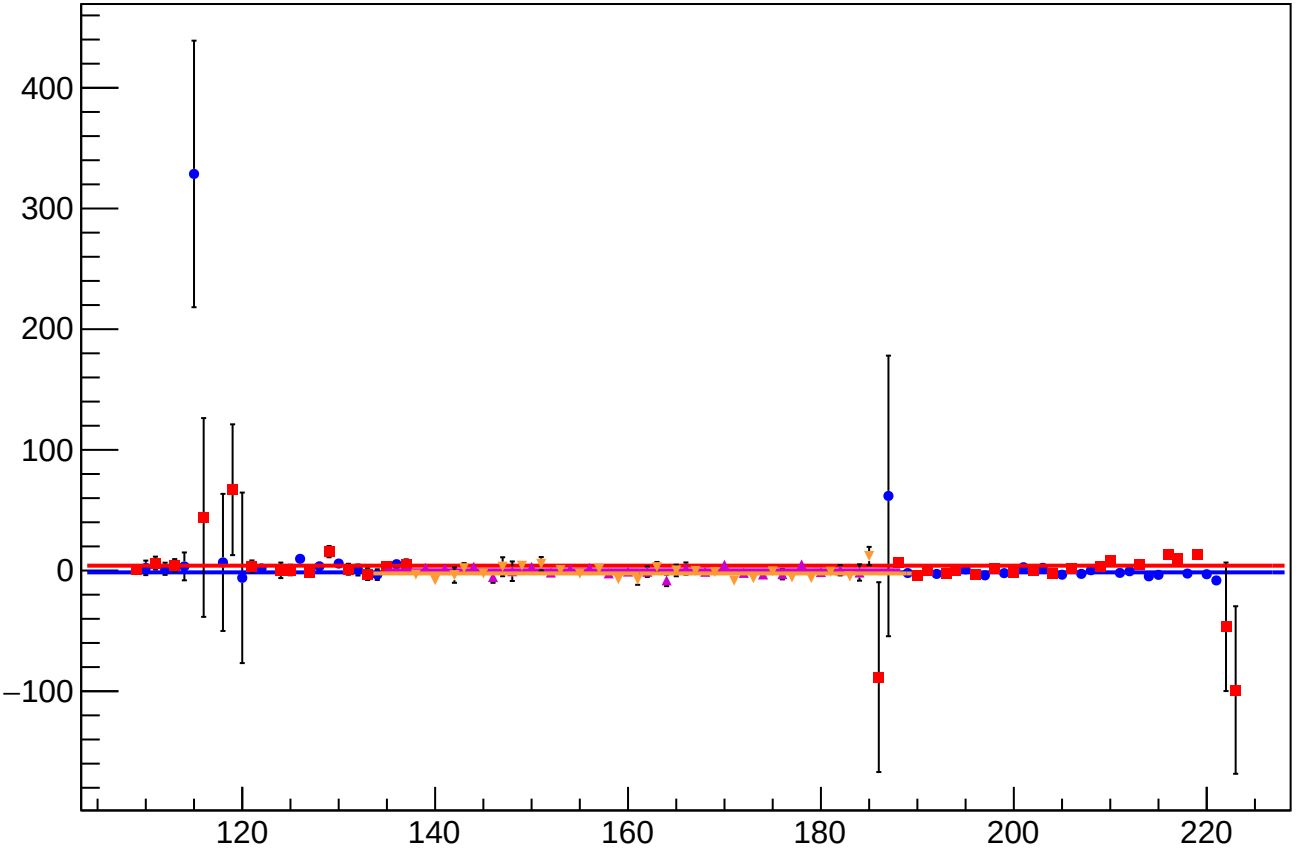
Right: 2005.788+/-0.244 χ^2/NDF: 12667127.5/64

In: 1229.534+/-0.153 χ^2/NDF:11253527.6/53

Out: 1211.638+/-0.150 χ^2/NDF:14708042.7/58

All: 1220.450+/-0.107 χ^2/NDF: 25968534.1/

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

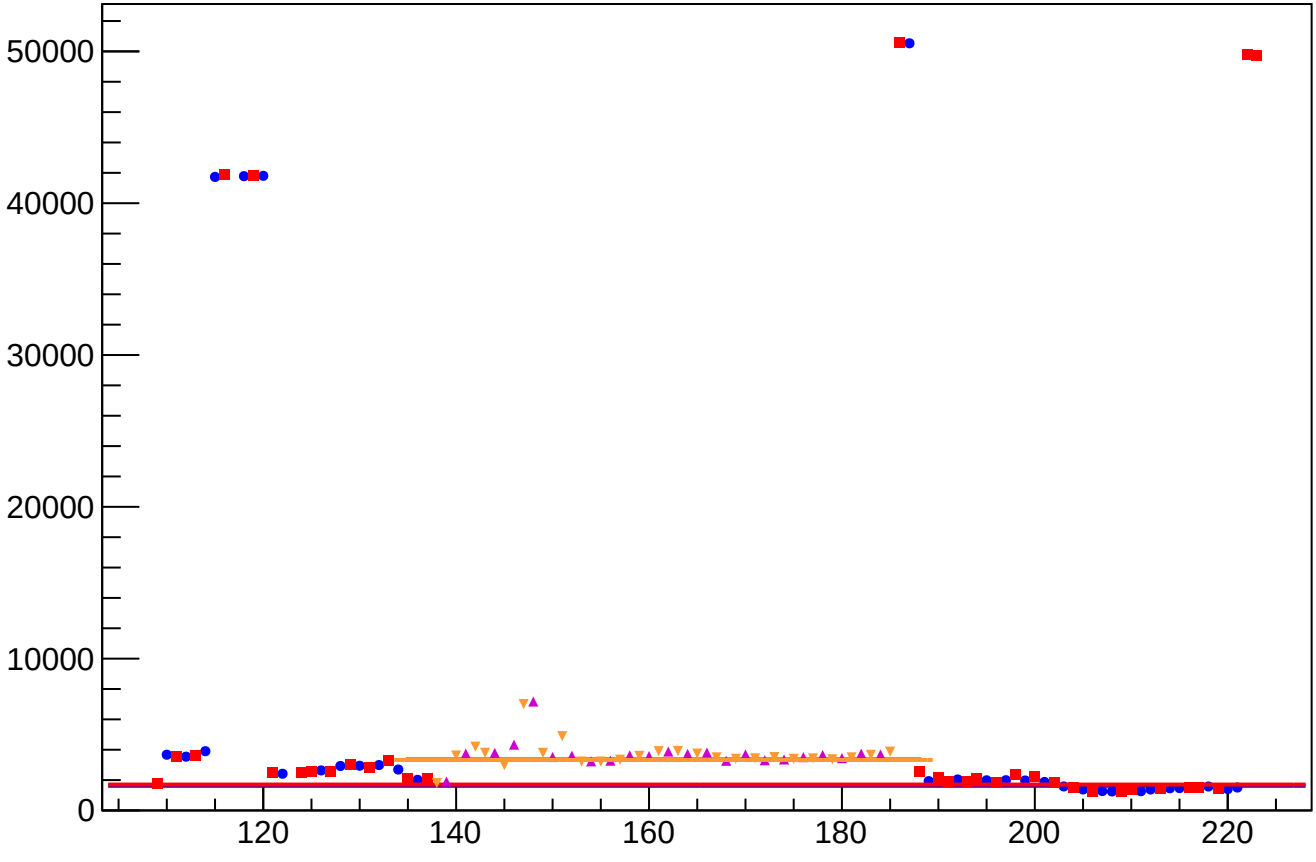
Right: 1.079+/-0.286 χ^2/NDF: 328.5/64

In: -1.184+/-0.352 χ^2/NDF:84.0/53

Out: 2.608+/-0.370 χ^2/NDF:243.9/58

All: 0.621+/-0.255 χ^2/NDF: 383.1/112

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

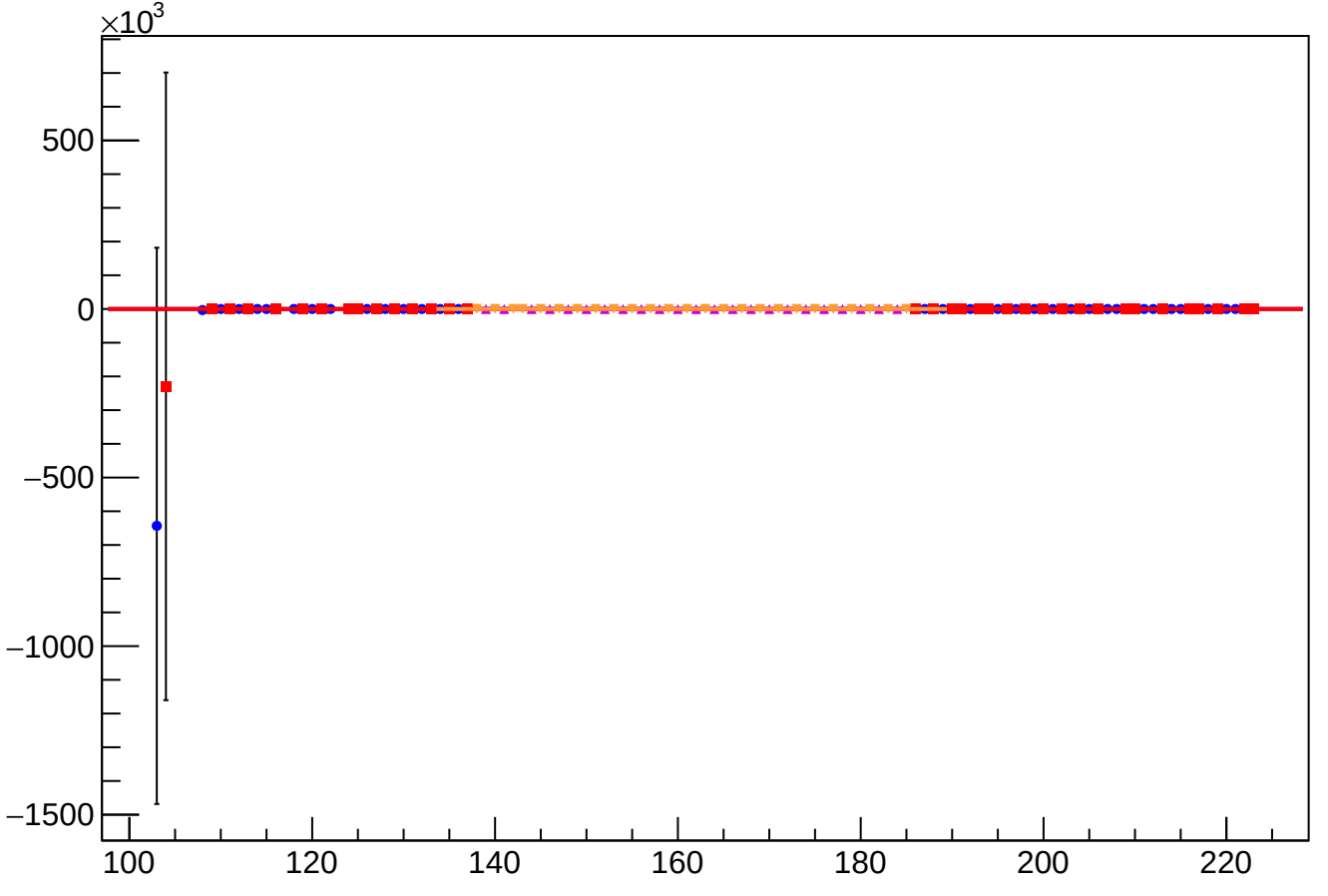
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 1663.891+/-0.202 χ^2/NDF: 12265453.1/64

In: 1955.299+/-0.249 χ^2/NDF:13828652.1/53

Out: 2068.797+/-0.261 χ^2/NDF:16078135.4/58

All: 2009.324+/-0.180 χ^2/NDF: 30005565.8/1



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

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

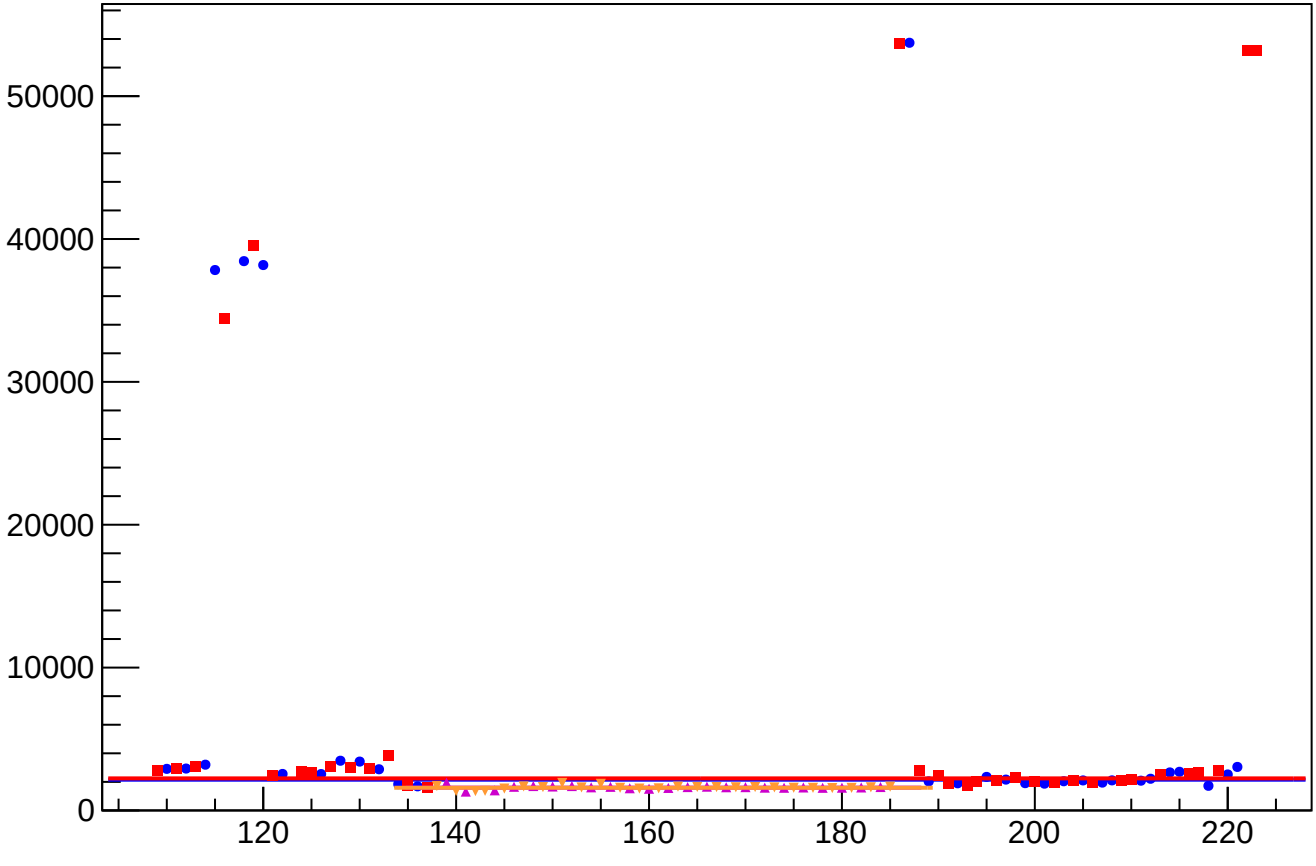
Right: 0.368+/-0.369 χ^2/NDF: 213.0/67

In: -0.921+/-0.302 χ^2/NDF:93.5/55

Out: 0.068+/-0.301 χ^2/NDF:207.5/59

All: -0.425+/-0.213 χ^2/NDF: 306.4/115

diff_bpm1p03aX_rms vs Slug, Sign Corrected



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

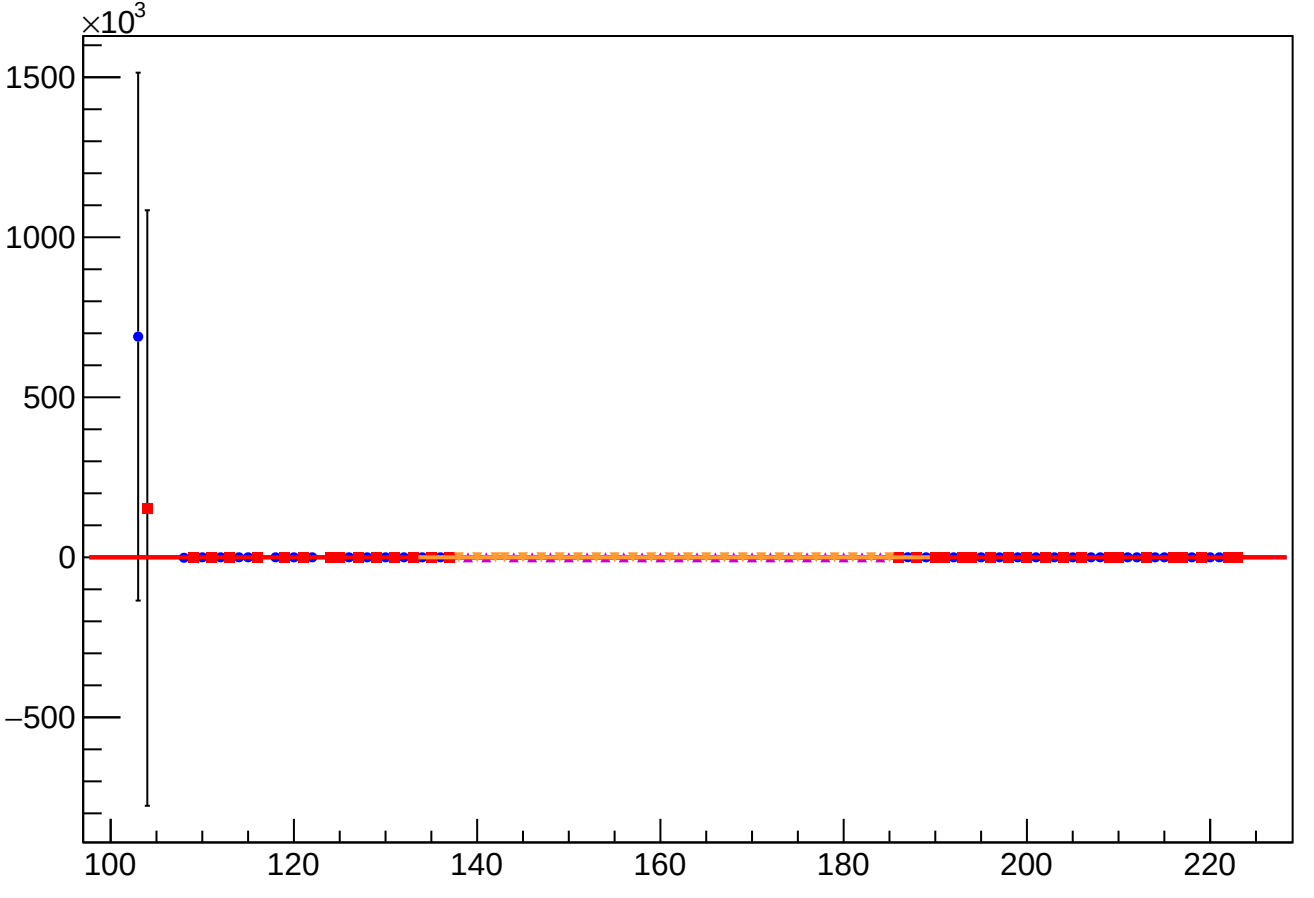
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2196.670+/-0.261 χ^2/NDF: 9379633.3/64

In: 1791.432+/-0.213 χ^2/NDF:5110251.5/53

Out: 1795.494+/-0.212 χ^2/NDF:8269346.8/58

All: 1793.471+/-0.151 χ^2/NDF: 13379780.3/1



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

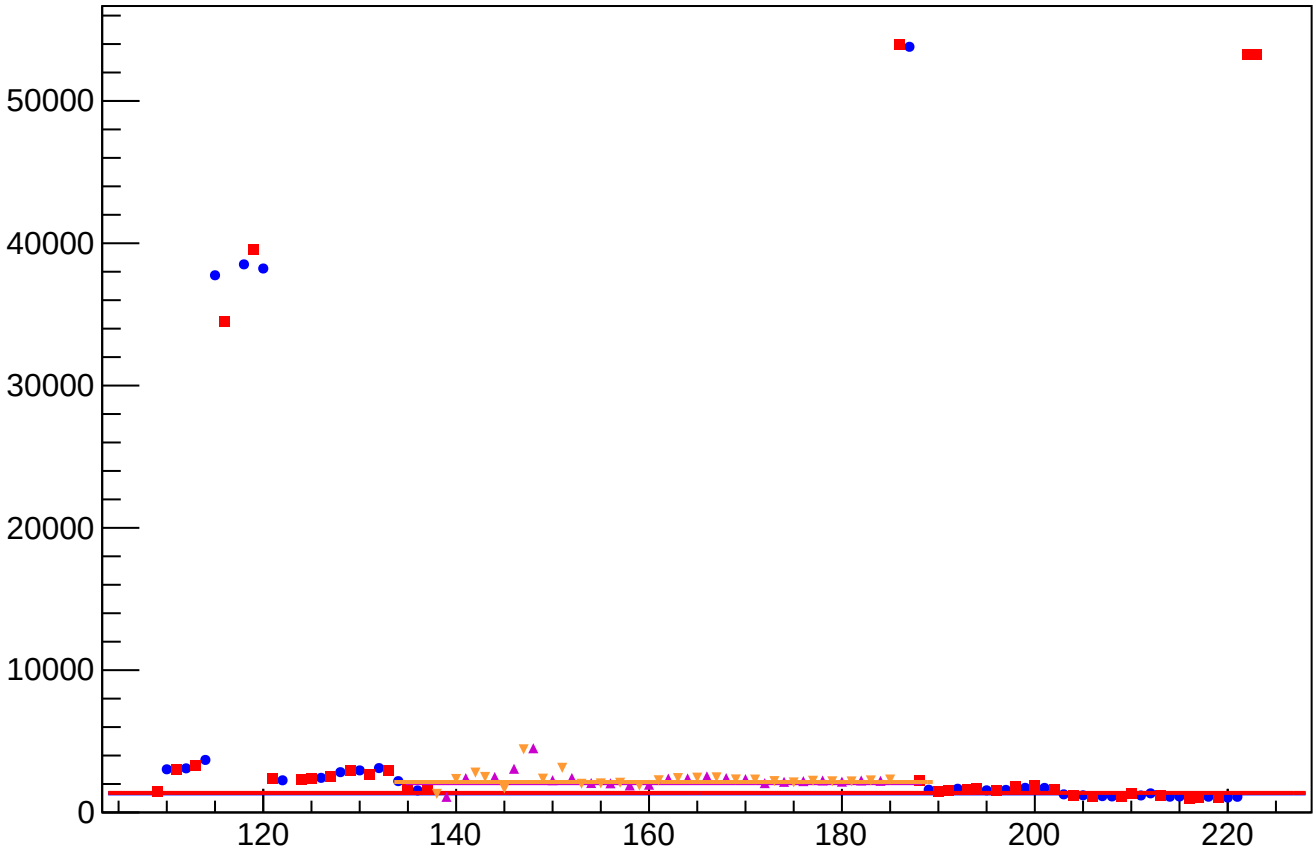
Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

Right: 0.595+/-0.235 χ^2/NDF: 128.0/67

In: -0.387+/-0.272 χ^2/NDF:50.3/55

Out: 0.862+/-0.282 χ^2/NDF:119.7/59

All: 0.215+/-0.196 χ^2/NDF: 180.1/115



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

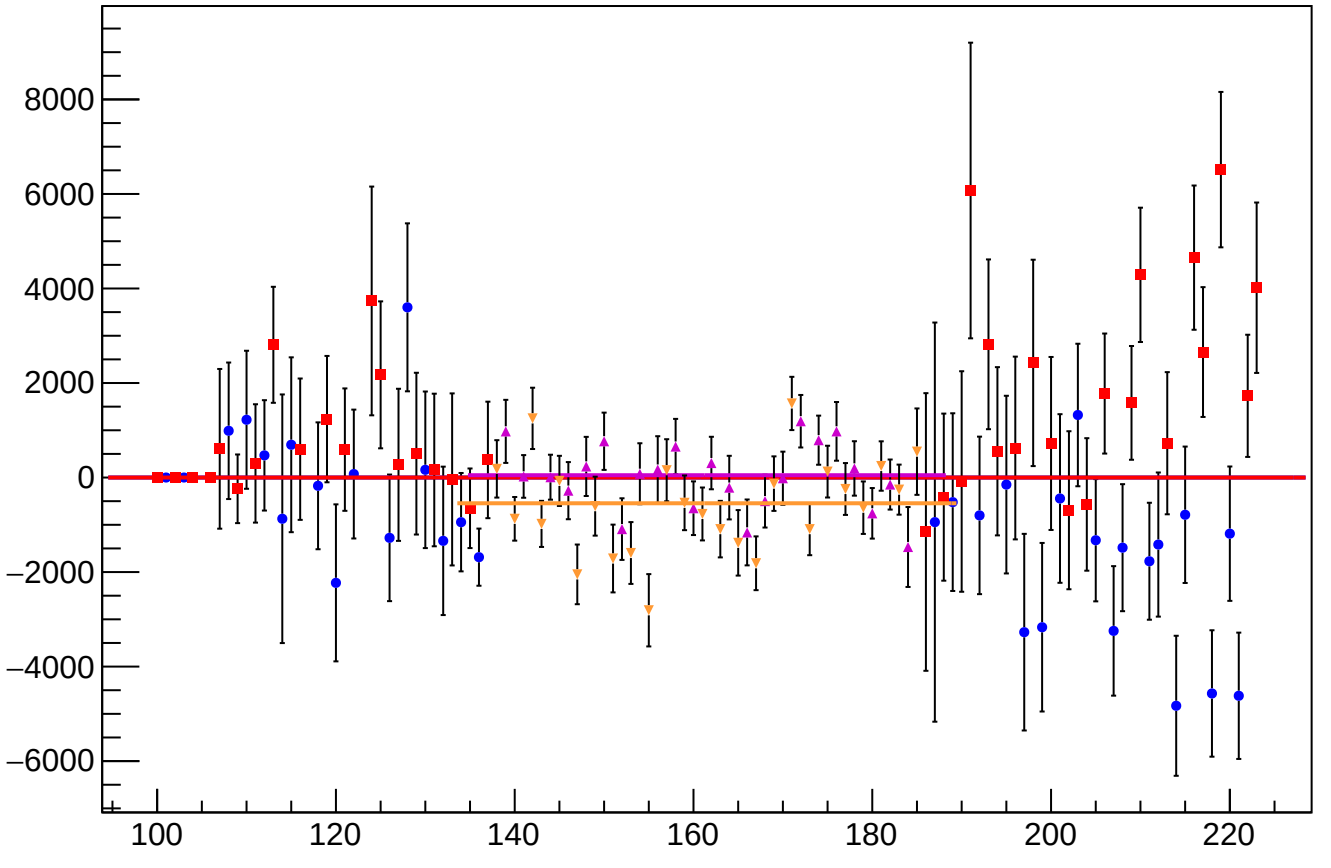
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

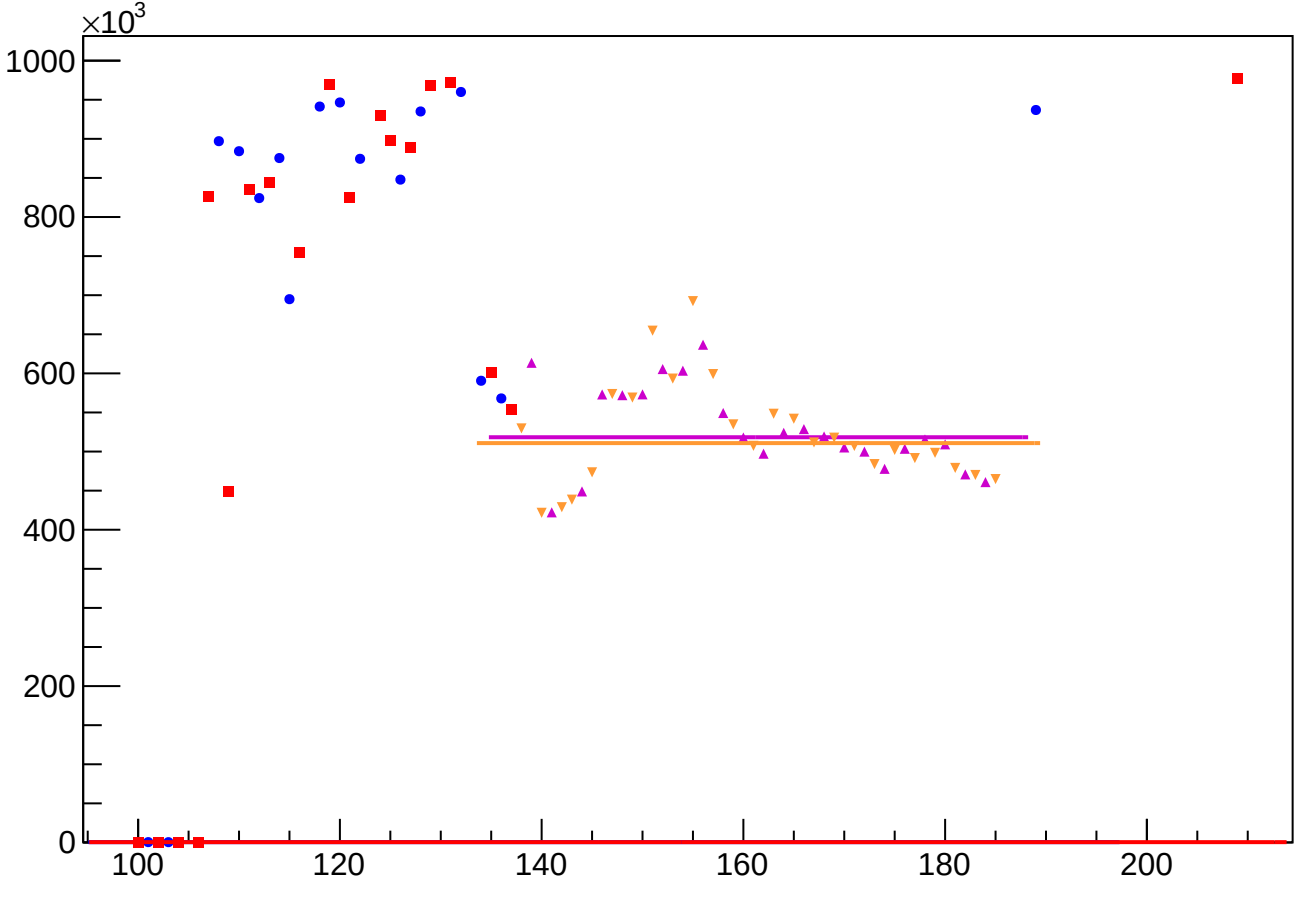
Right: 1355.523+/-0.166 χ^2/NDF: 13299682.7/64

In: 1550.974+/-0.192 χ^2/NDF:10352514.4/53

Out: 1615.438+/-0.200 χ^2/NDF:12789578.8/58

All: 1582.041+/-0.139 χ^2/NDF: 23196150.9/


diff_cav4bX_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: 0.253+/-0.356 χ²/NDF: 70.6/33
Left Out: -544.414+/-117.154 χ²/NDF:60.9/24
Right Out: -0.094+/-0.328 χ²/NDF: 72.3/38
Left In: 49.119+/-121.932 χ²/NDF:28.0/22
Left: -259.505+/-84.479 χ²/NDF: 101.1/47
Right: 0.065+/-0.241 χ²/NDF: 143.4/72
In: 0.254+/-0.356 χ²/NDF:98.7/56
Out: -0.099+/-0.328 χ²/NDF:154.7/63
All: 0.063+/-0.241 χ²/NDF: 254.0/120



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

Left: 514412.615+/-59.736 χ^2/NDF: 913427.9/47

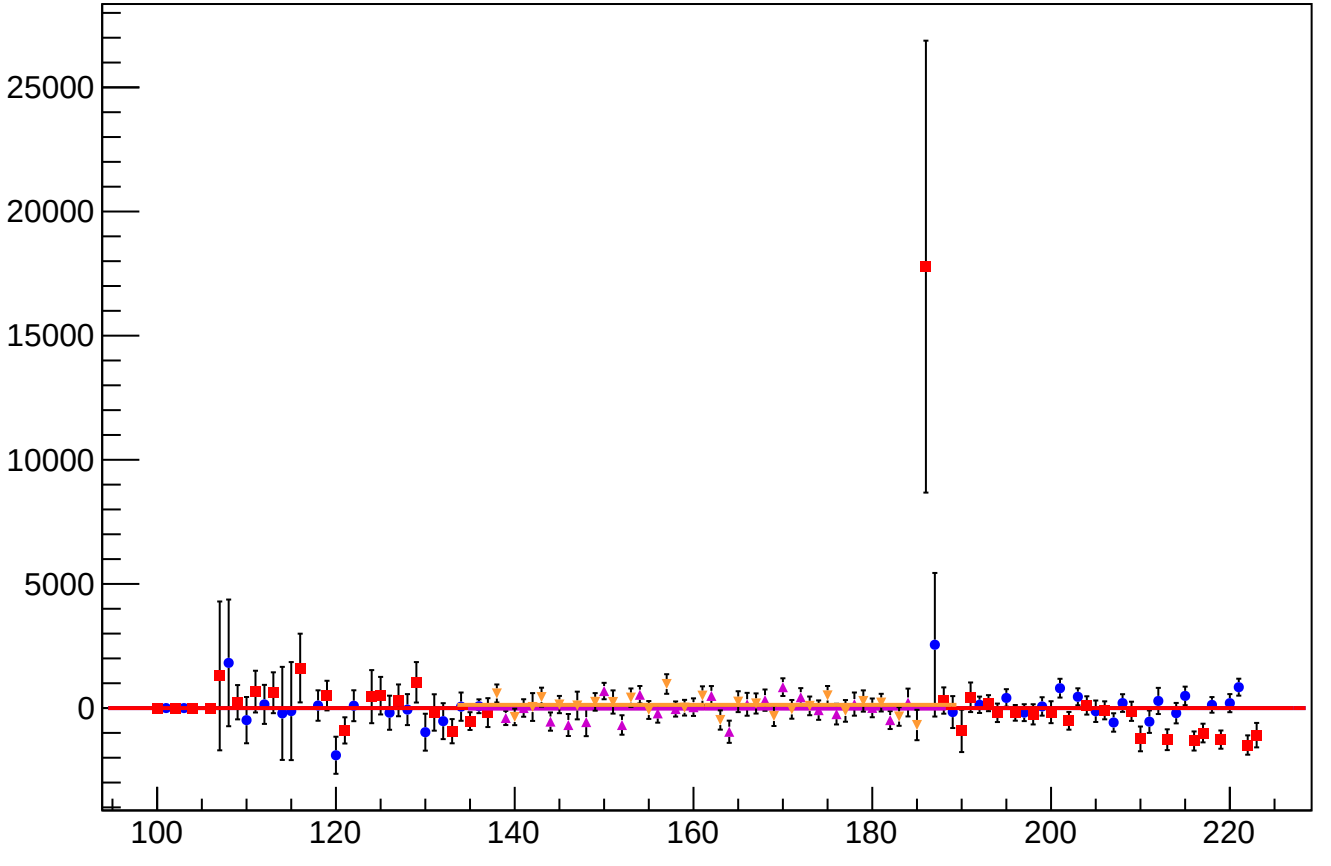
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

In: 403.300+/-0.251 χ^2/NDF:45168150.0/38

Out: 397.237+/-0.232 χ^2/NDF:46157267.3/43

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

diff_cav4bY_mean vs Slug, Sign Corrected



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

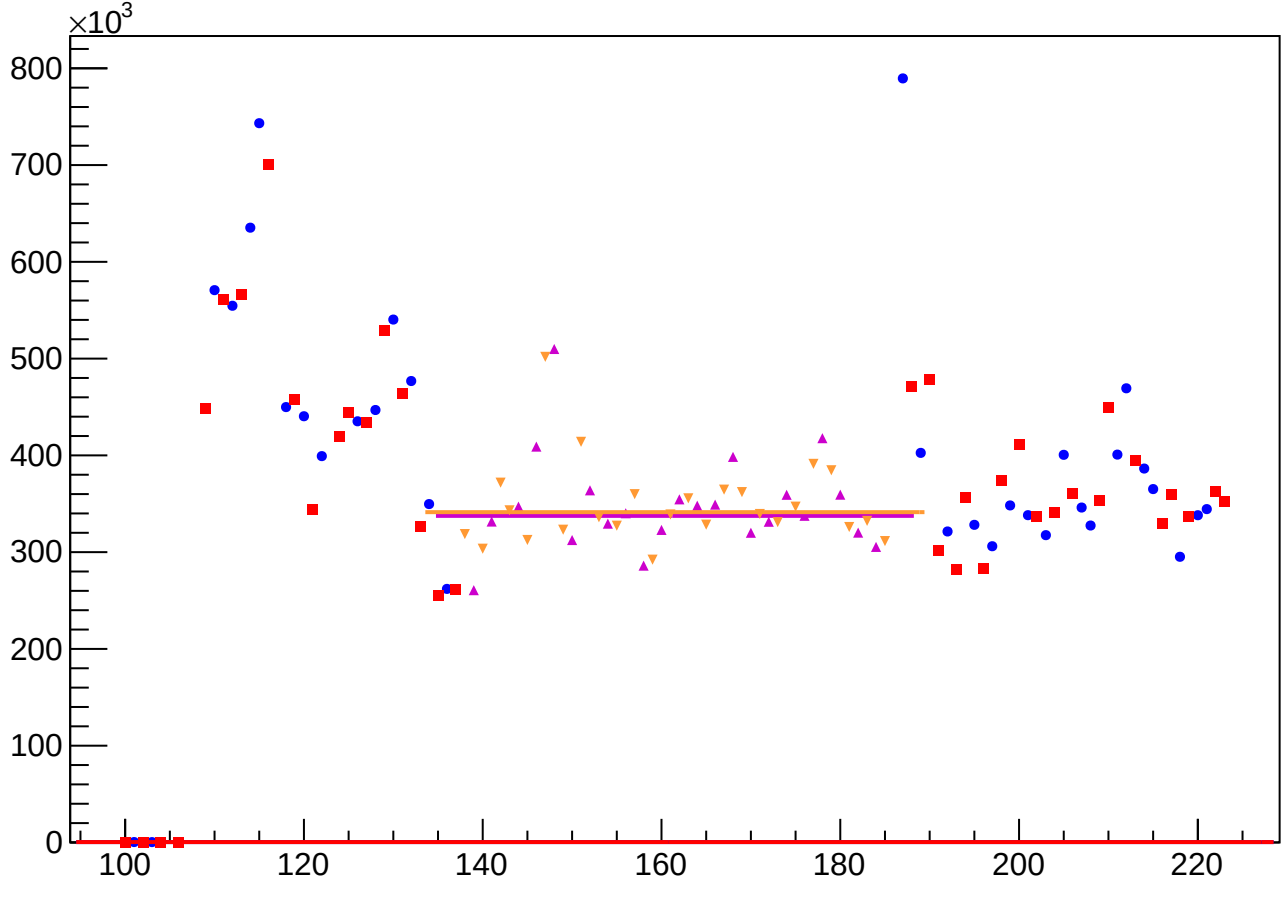
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.332+/-0.237 χ^2/NDF: 124.7/72

In: -0.018+/-0.347 χ^2/NDF:66.3/56

Out: -0.603+/-0.324 χ^2/NDF:113.5/63

All: -0.331+/-0.237 χ^2/NDF: 181.3/120



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

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

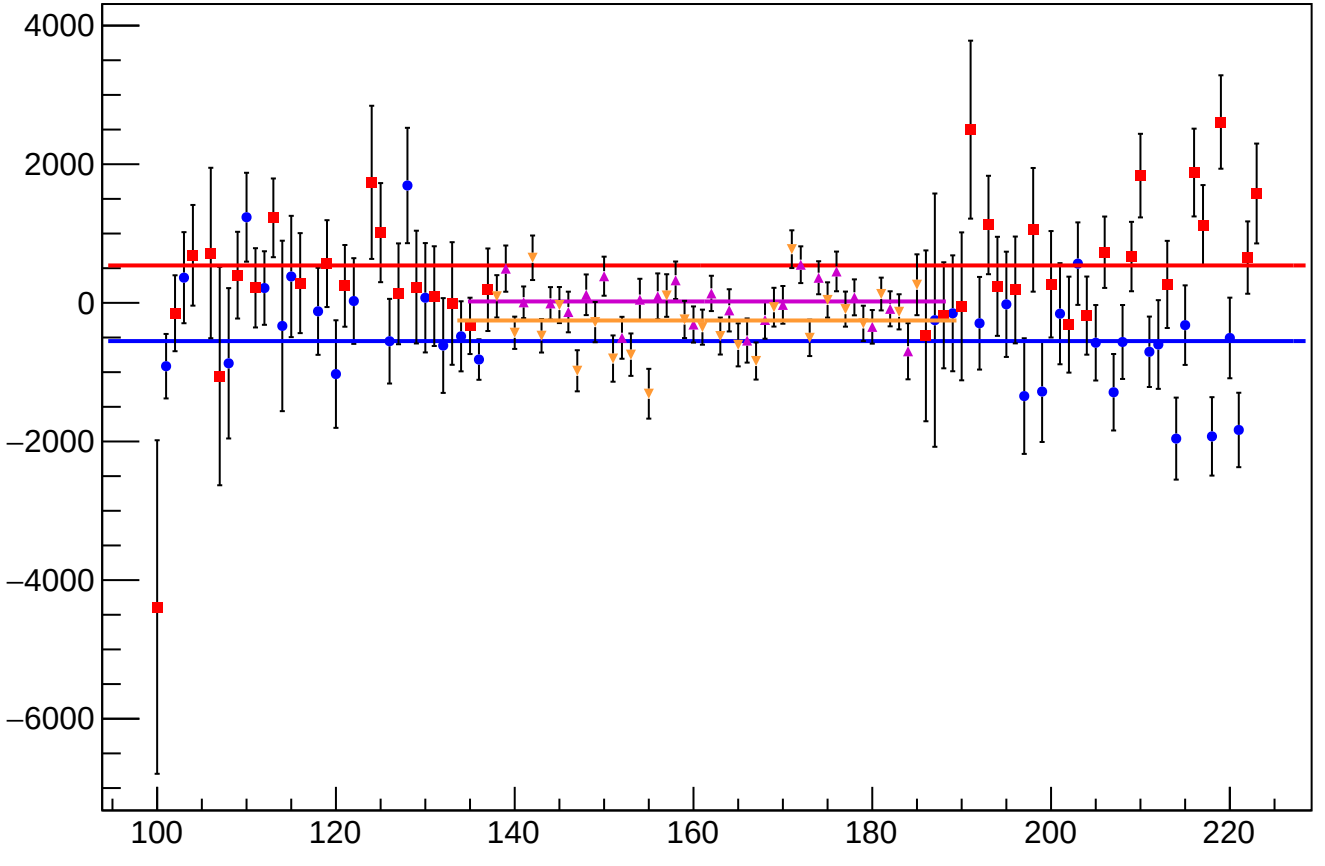
Right: 393.651+/-0.167 χ^2/NDF: 80063056.5/69

In: 401.605+/-0.245 χ^2/NDF:76027952.3/55

Out: 398.121+/-0.229 χ^2/NDF:78723160.4/61

All: 399.742+/-0.167 χ^2/NDF: 154751220.5/

diff_cav4cX_mean vs Slug, Sign Corrected



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

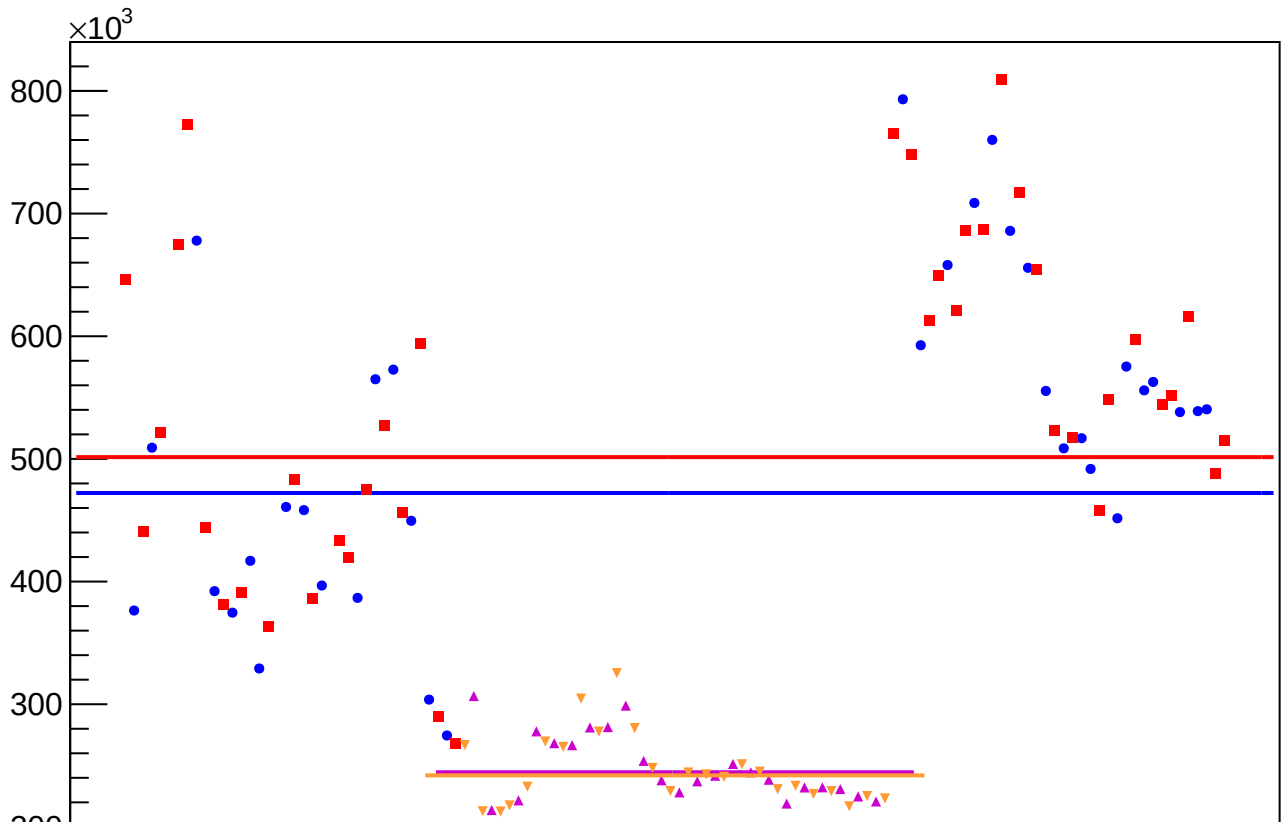
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -27.376+/-75.268 χ^2/NDF: 150.4/72

In: -112.806+/-50.357 χ^2/NDF:101.7/56

Out: -90.323+/-49.362 χ^2/NDF:151.5/63

All: -101.340+/-35.251 χ^2/NDF: 253.3/120



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

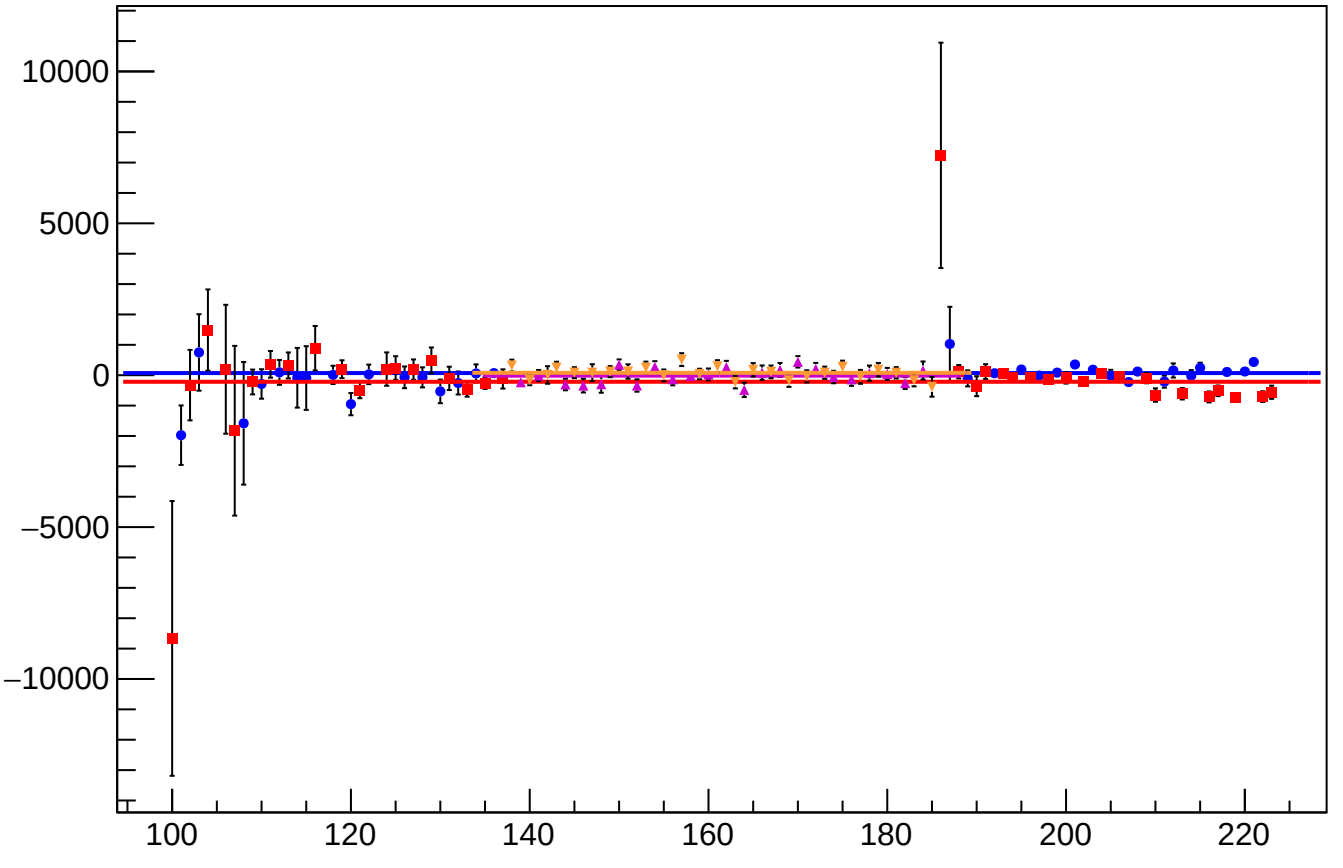
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 486249.227+/-53.249 χ^2/NDF: 5618096.2/72

In: 297482.772+/-35.609 χ^2/NDF:10525496.0/56

Out: 295539.794+/-34.910 χ^2/NDF:12131701.8/63

All: 296492.027+/-24.929 χ^2/NDF: 2265871



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

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

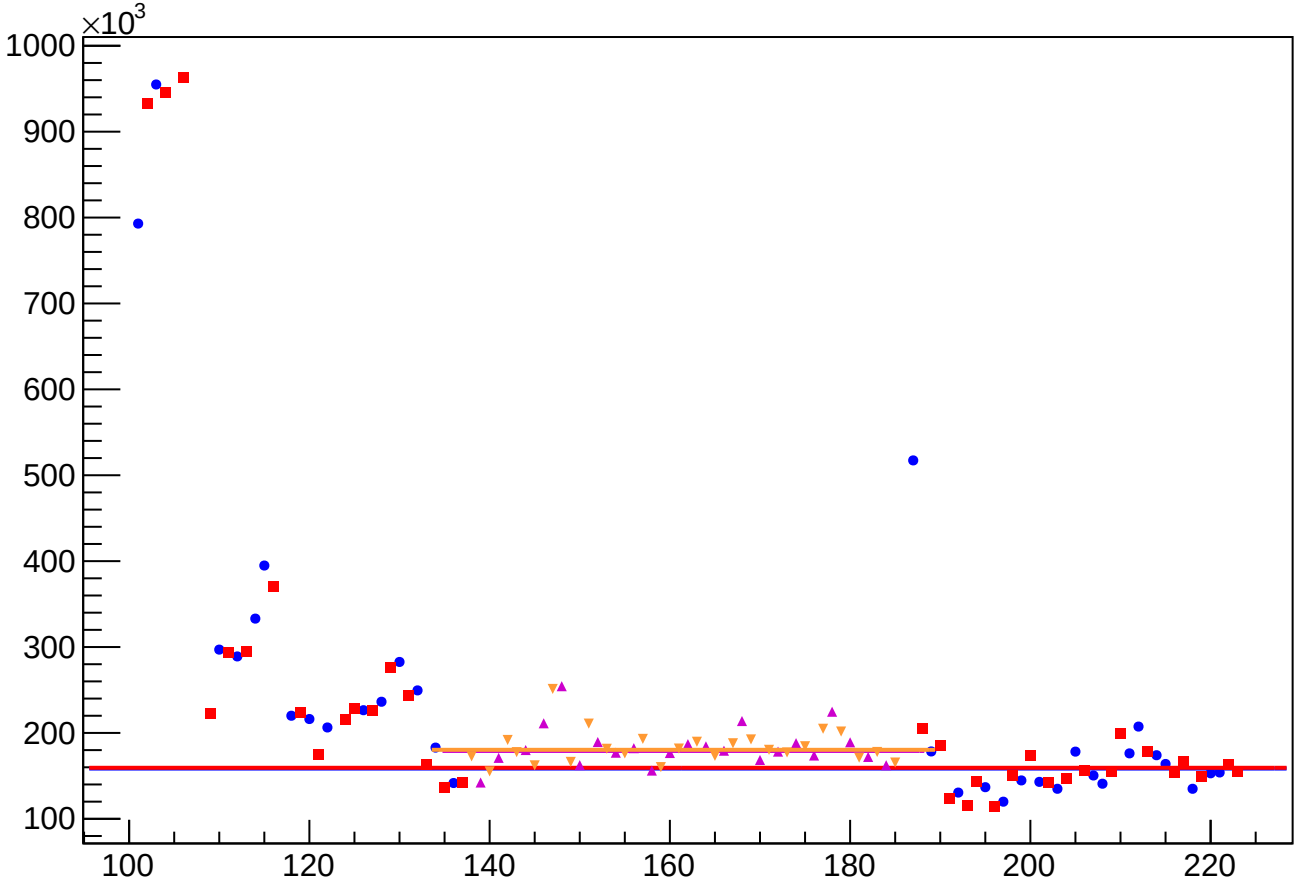
Right: -72.010+/-25.452 χ^2/NDF: 147.4/72

In: 35.179+/-27.369 χ^2/NDF:71.5/56

Out: -88.068+/-27.160 χ^2/NDF:128.5/63

All: -26.916+/-19.279 χ^2/NDF: 210.2/120

diff_cav4cY_rms vs Slug, Sign Corrected



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

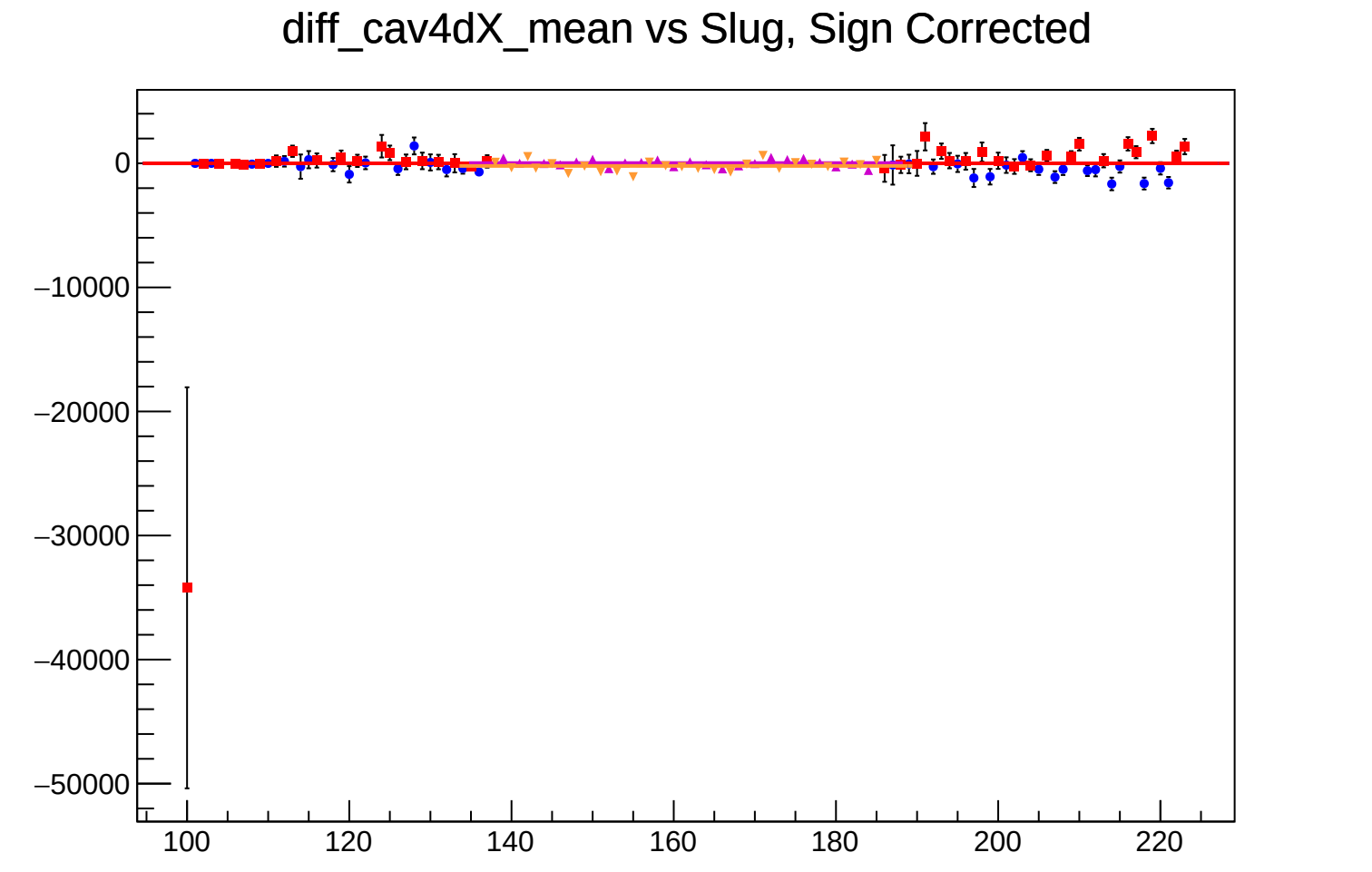
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 158969.738+/-18.004 χ^2/NDF: 6810475.1/68

In: 167137.710+/-19.356 χ^2/NDF:4209101.0/55

Out: 168471.241+/-19.210 χ^2/NDF:4013253.3/60

All: 167809.518+/-13.635 χ^2/NDF: 8224745.



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

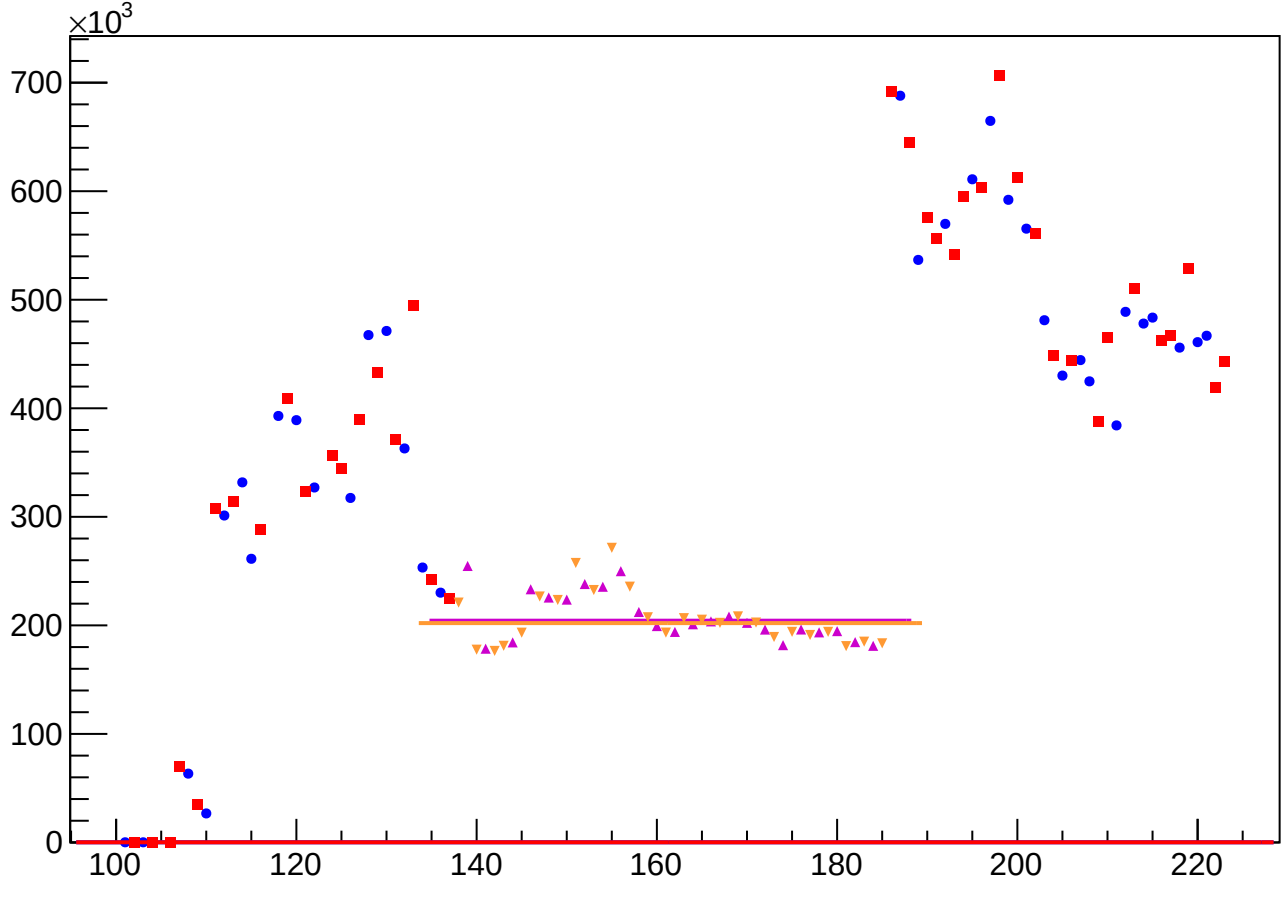
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 143.3/72

In: -0.036+/-0.172 χ^2/NDF:98.5/56

Out: 0.354+/-0.160 χ^2/NDF:152.7/63

All: 0.173+/-0.117 χ^2/NDF: 253.9/120



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

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

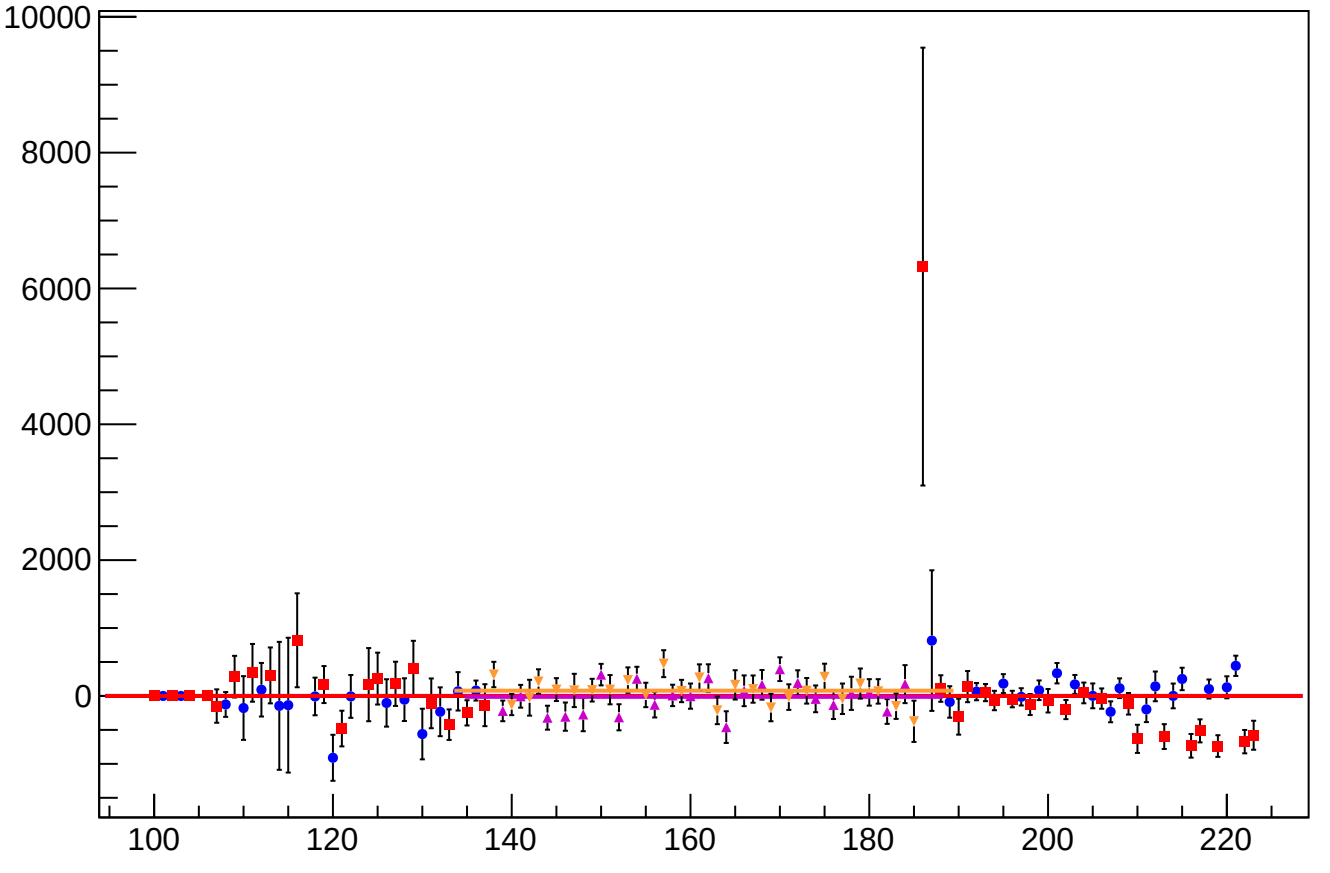
Right: 150.068+/-0.083 χ^2/NDF: 82810380.8/71

In: 152.605+/-0.122 χ^2/NDF:77316194.6/56

Out: 152.561+/-0.113 χ^2/NDF:80492239.4/62

All: 152.582+/-0.083 χ^2/NDF: 157808434.1/1

diff_cav4dY_mean vs Slug, Sign Corrected



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

Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

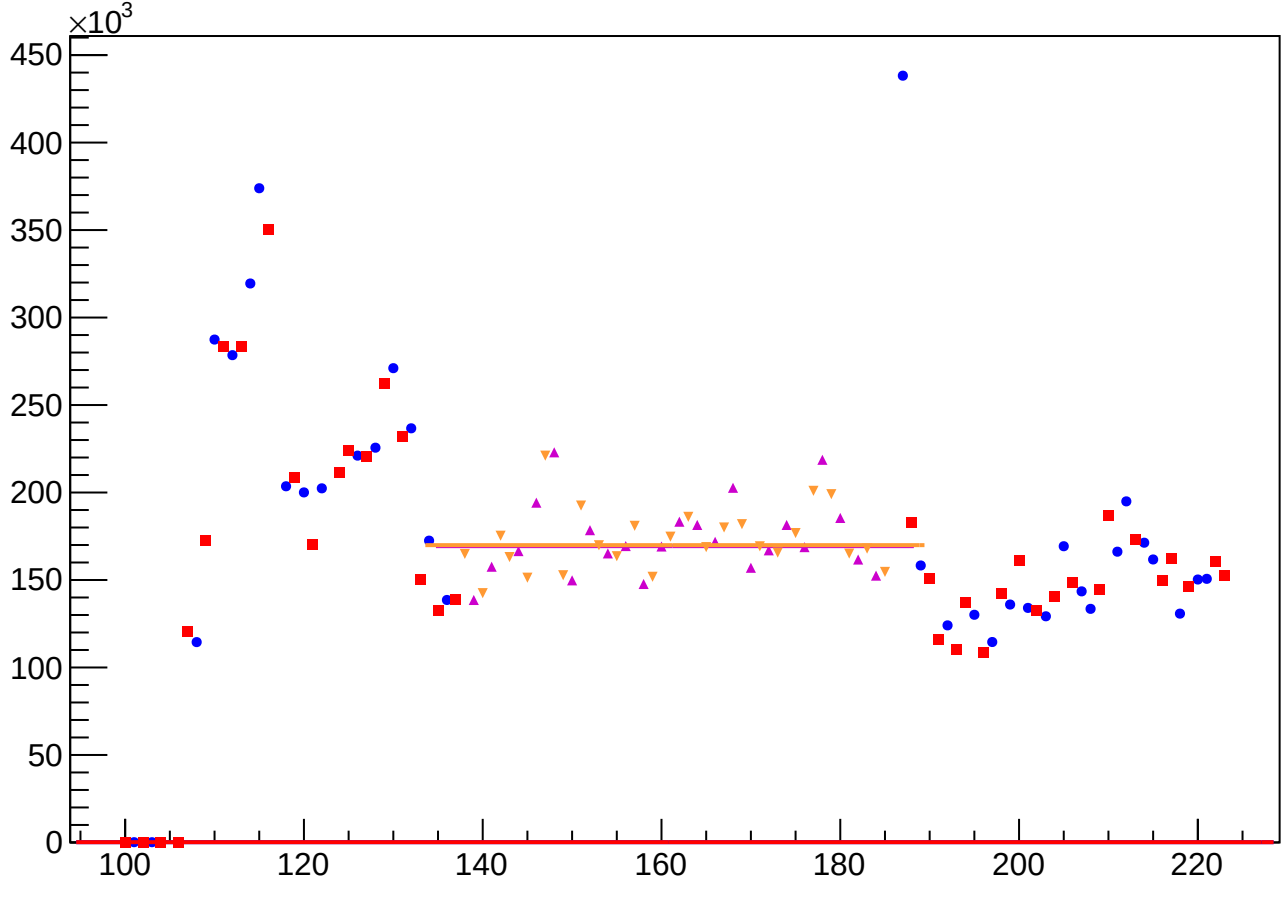
Right: -0.100+/-0.121 χ^2/NDF: 153.6/72

In: -0.066+/-0.177 χ^2/NDF:70.2/56

Out: -0.129+/-0.166 χ^2/NDF:139.2/63

All: -0.100+/-0.121 χ^2/NDF: 209.5/120

diff_cav4dY_rms vs Slug, Sign Corrected



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

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

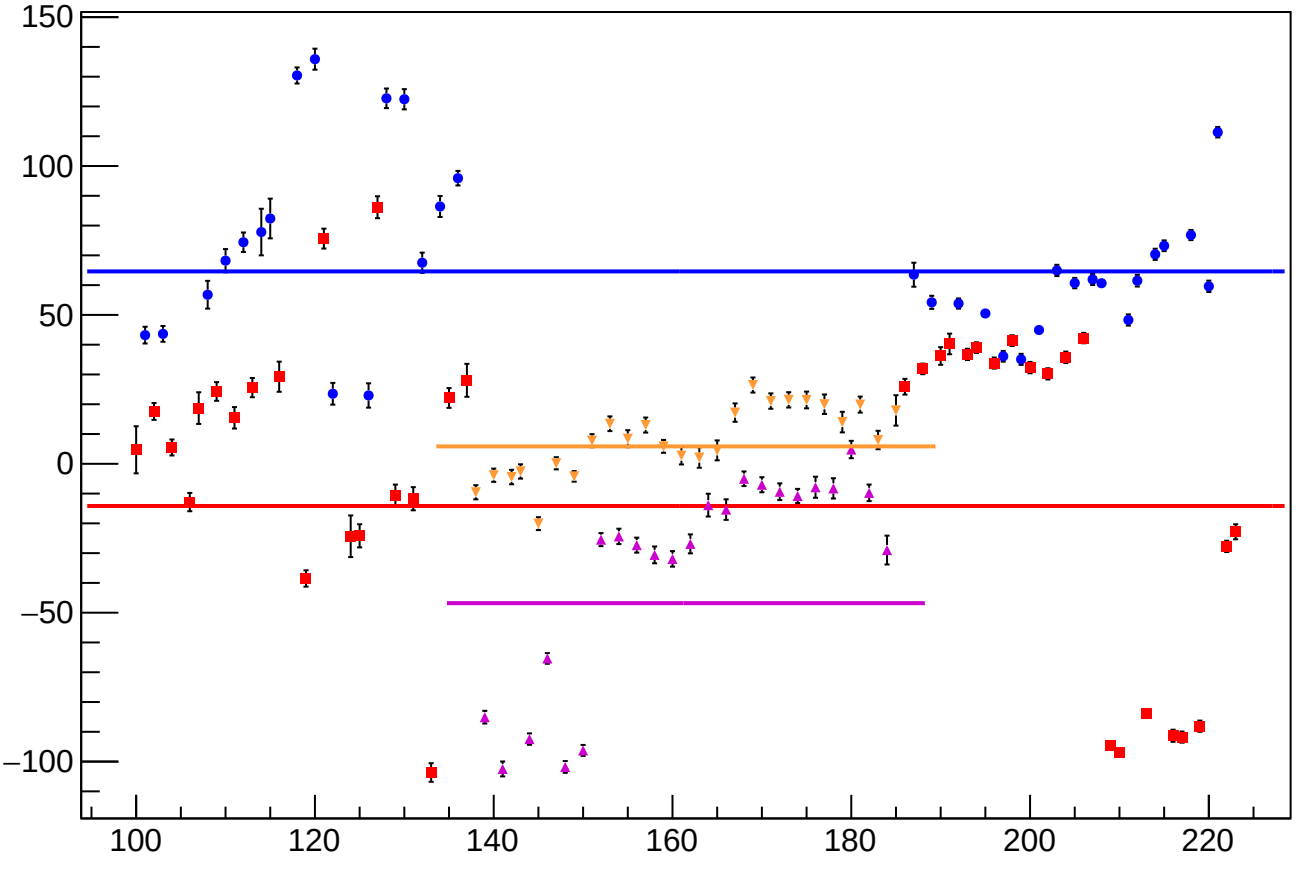
Right: 157.858+/-0.086 χ^2/NDF: 81820650.7/71

In: 159.943+/-0.125 χ^2/NDF:77356902.2/56

Out: 162.065+/-0.118 χ^2/NDF:79258057.2/62

All: 161.071+/-0.086 χ^2/NDF: 156615111.7/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

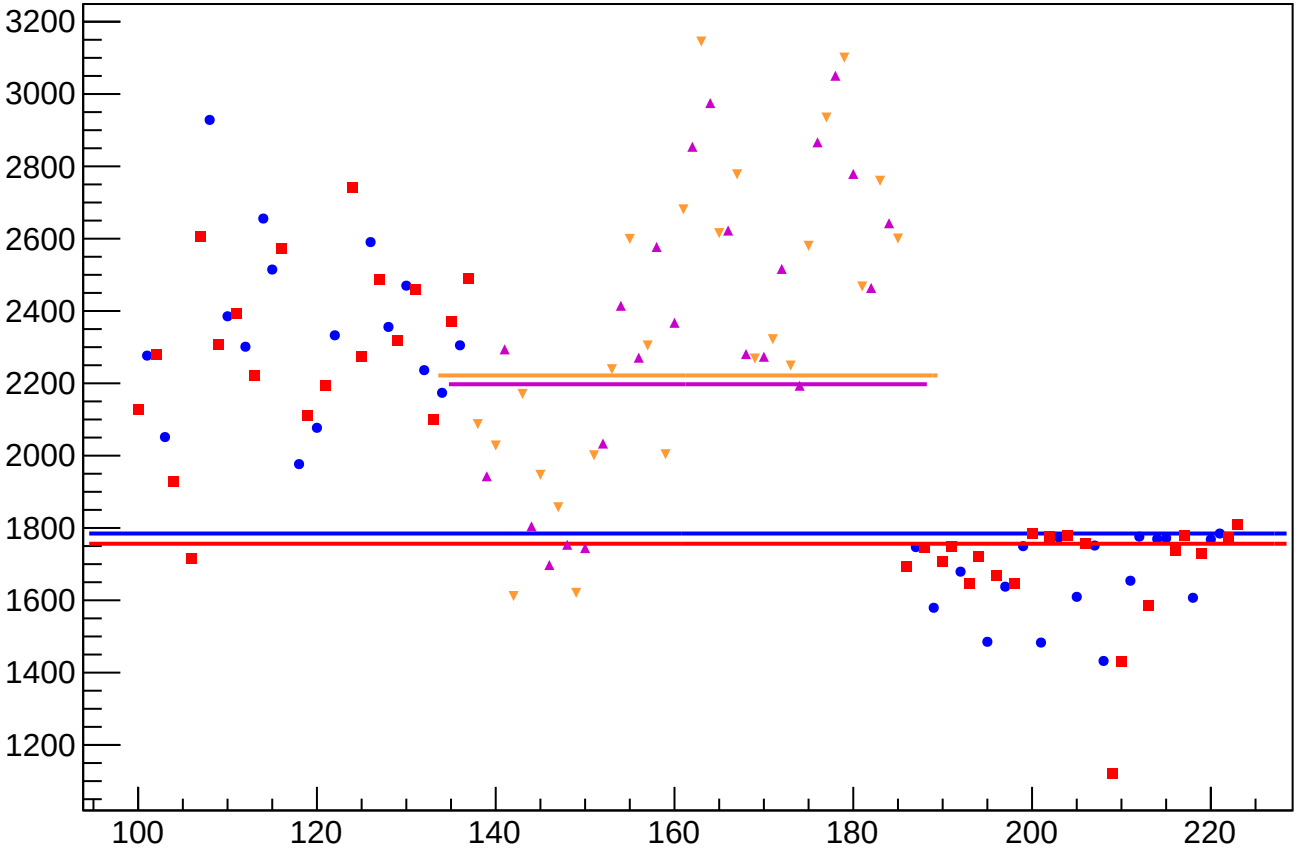
Right: 23.916+/-0.269 χ^2/NDF: 49492.8/72

In: 25.371+/-0.311 χ^2/NDF:38247.7/56

Out: -7.237+/-0.302 χ^2/NDF:25739.7/63

All: 8.601+/-0.217 χ^2/NDF: 69631.5/120

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

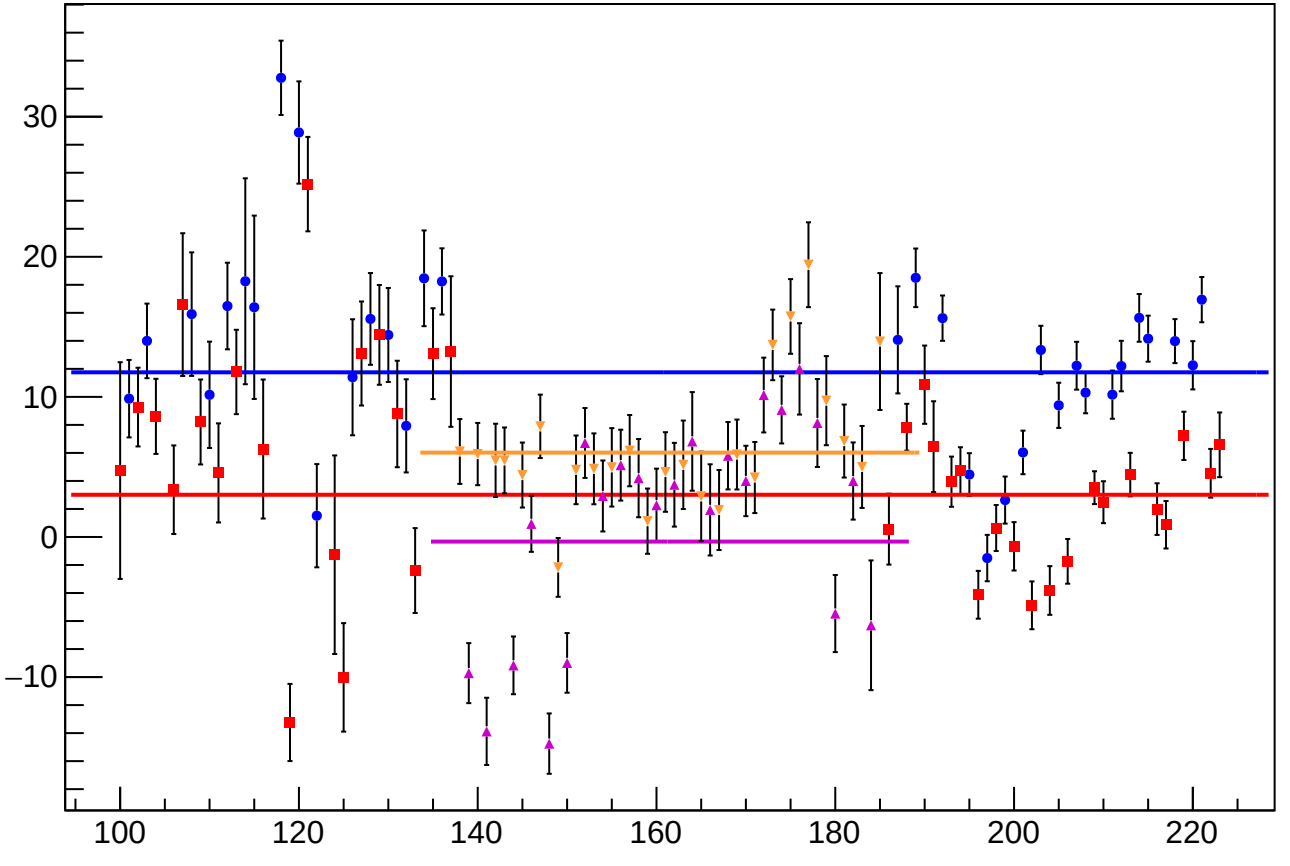
Right: 1770.068+/-0.190 χ^2/NDF: 2595048.4/72

In: 1930.068+/-0.220 χ^2/NDF:3017450.2/56

Out: 1917.588+/-0.214 χ^2/NDF:3735029.1/63

All: 1923.649+/-0.153 χ^2/NDF: 6754132.8/12

diff_bpm0i01Y_mean vs Slug, Sign Corrected



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

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

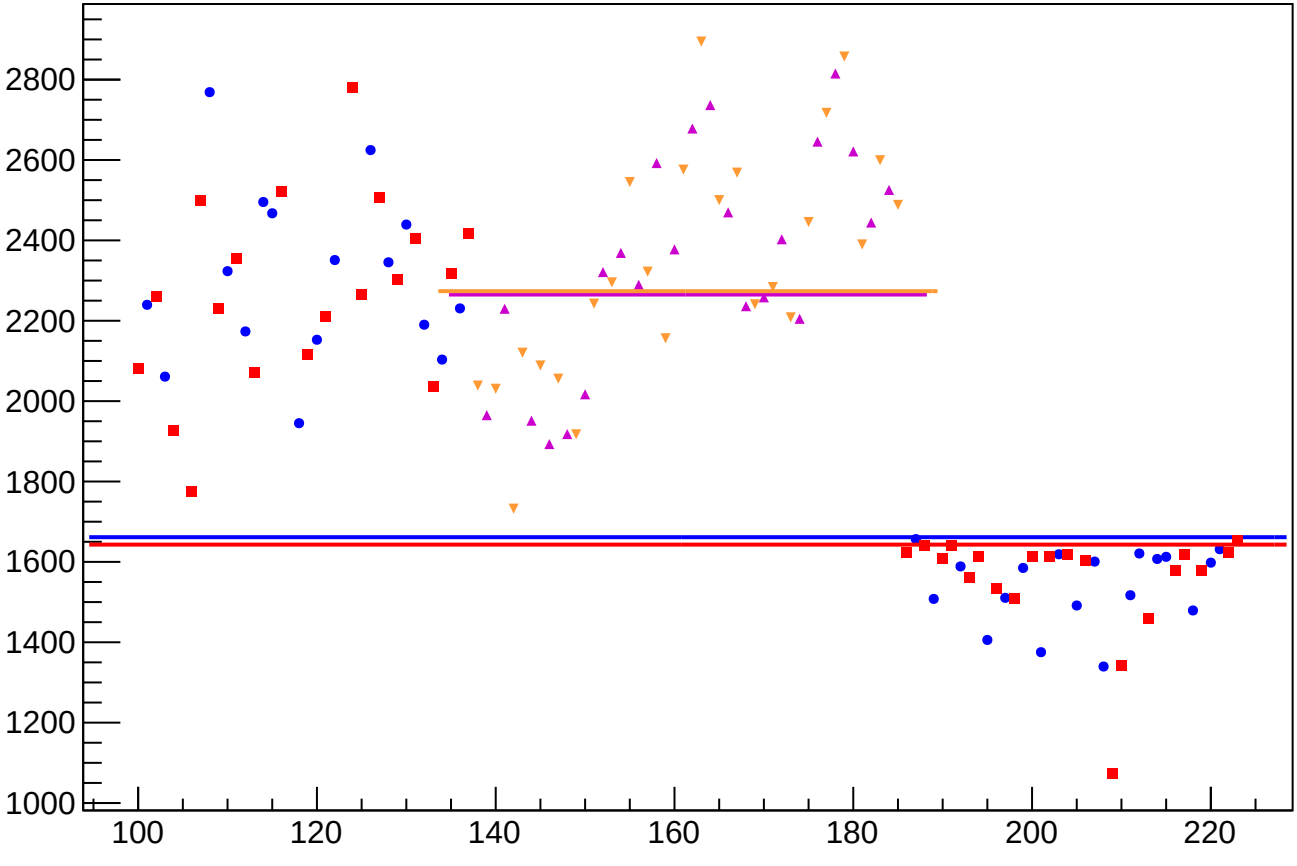
Right: 7.258+/-0.251 χ^2/NDF: 842.5/72

In: 7.972+/-0.299 χ^2/NDF:860.1/56

Out: 3.952+/-0.291 χ^2/NDF:351.1/63

All: 5.906+/-0.209 χ^2/NDF: 1304.1/120

diff_bpm0i01Y_rms vs Slug, Sign Corrected



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

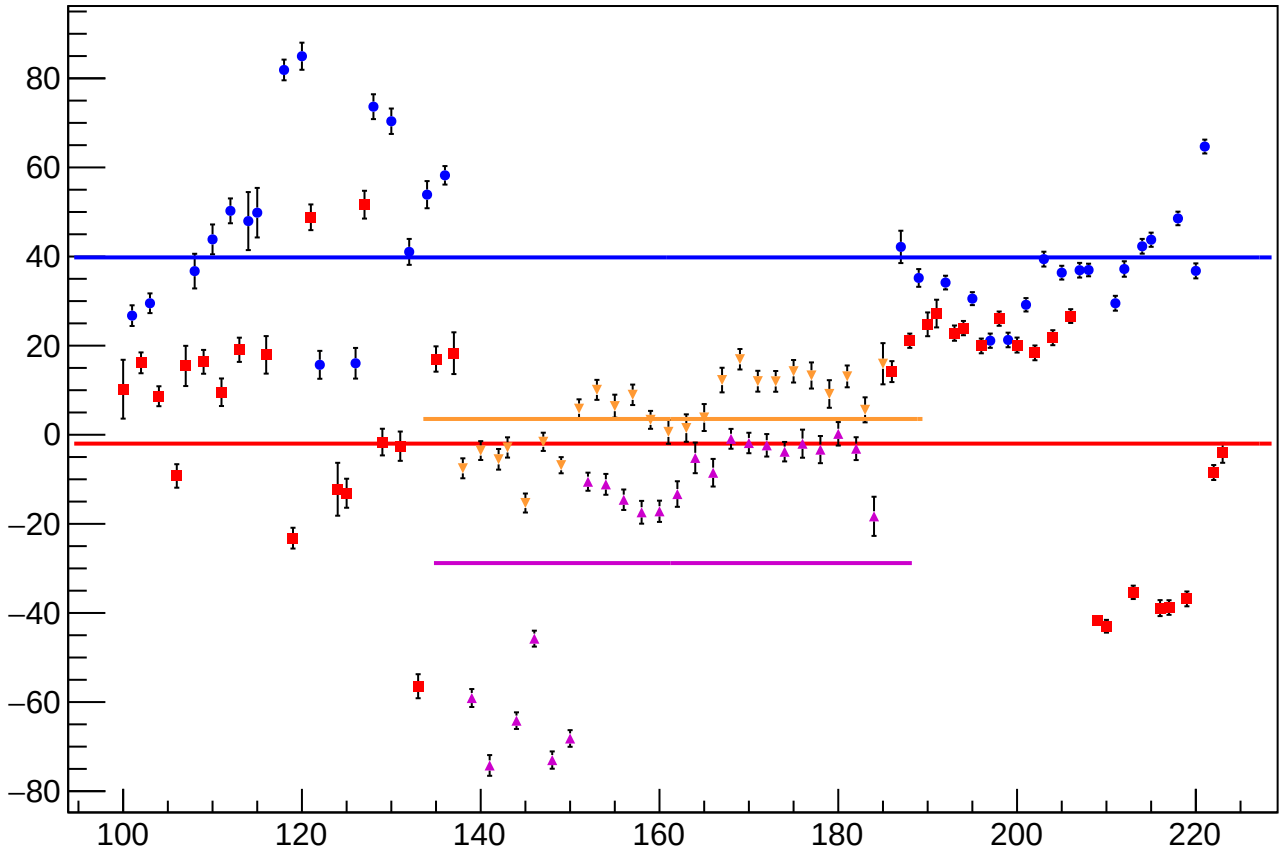
Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

Right: 1651.949+/-0.178 χ^2/NDF: 3094477.7/72

In: 1850.458+/-0.211 χ^2/NDF:3641336.2/56

Out: 1839.626+/-0.206 χ^2/NDF:4253851.5/63

All: 1844.891+/-0.147 χ^2/NDF: 7896535.9/12



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

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

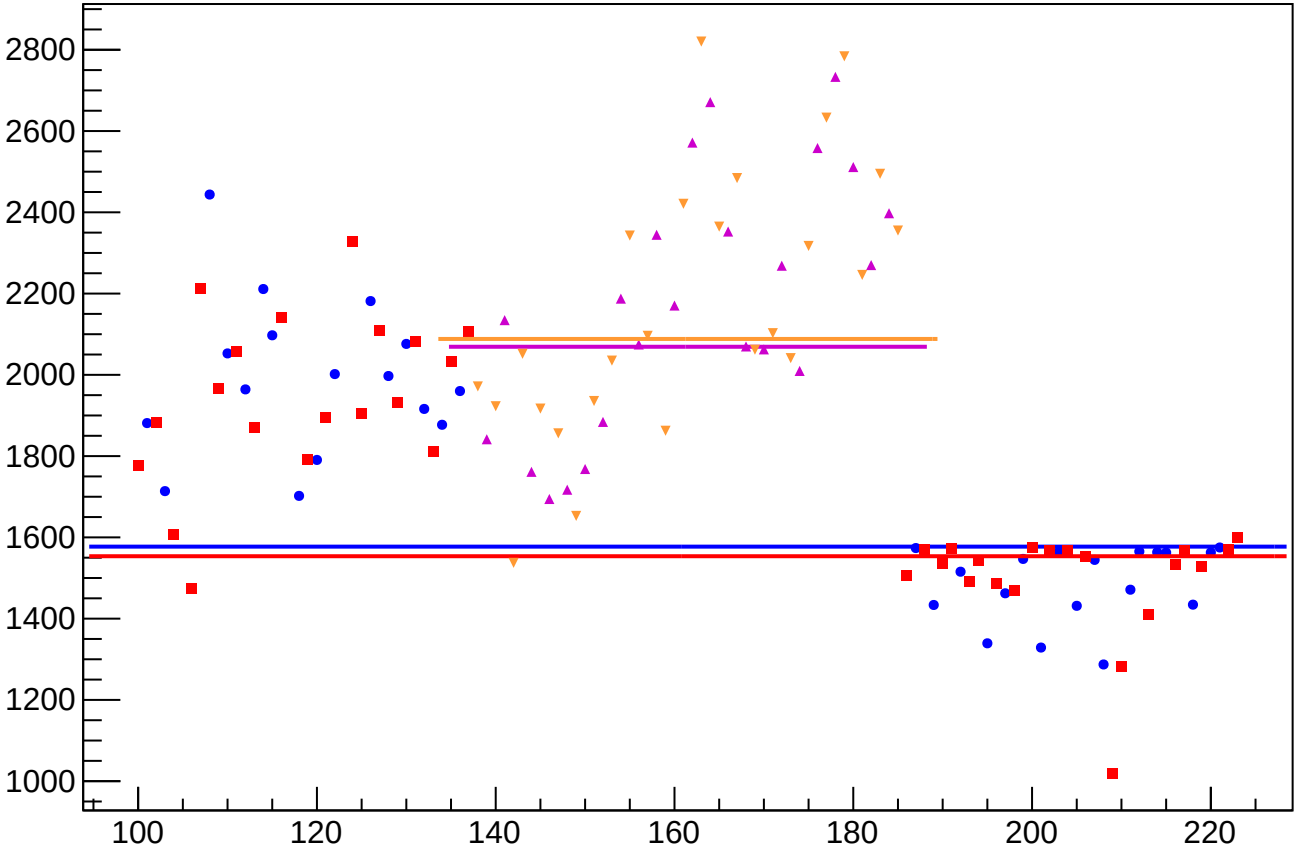
Right: 18.234+/-0.237 χ^2/NDF: 17246.5/72

In: 17.517+/-0.280 χ^2/NDF:18270.3/56

Out: -0.217+/-0.272 χ^2/NDF:8062.5/63

All: 8.394+/-0.195 χ^2/NDF: 28399.9/120

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

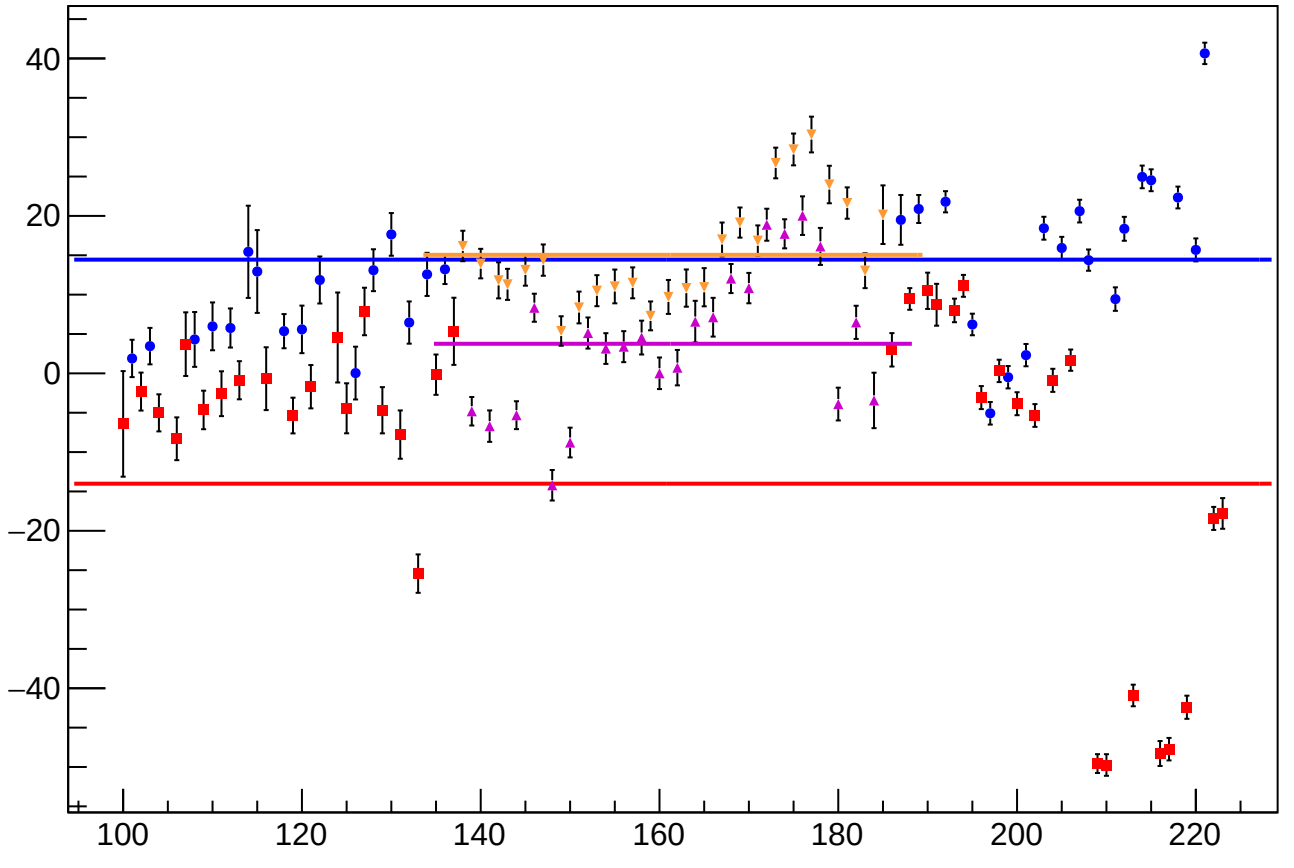
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1565.039+/-0.167 χ^2/NDF: 2034946.4/72

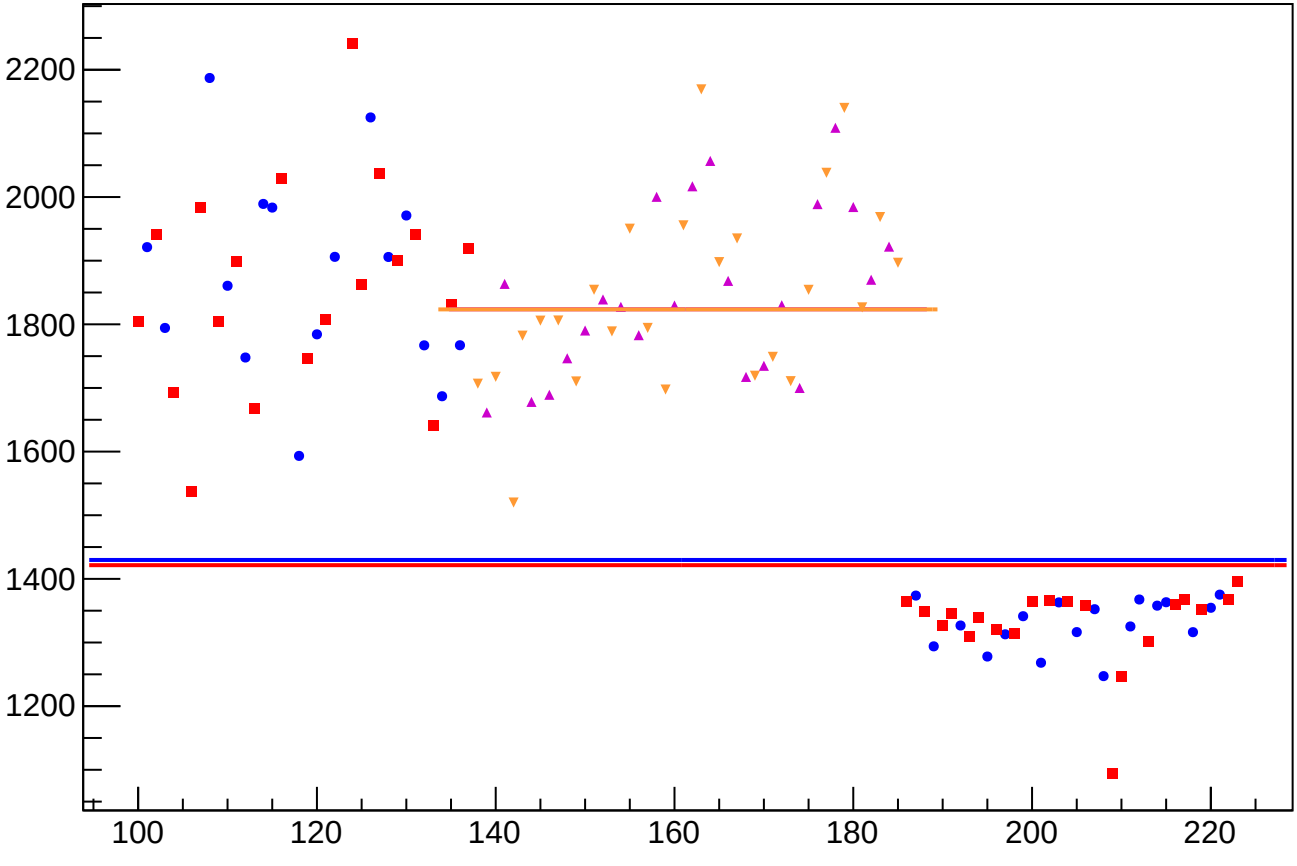
In: 1737.028+/-0.198 χ^2/NDF:2919486.6/56

Out: 1724.882+/-0.192 χ^2/NDF:3650603.5/63

All: 1730.780+/-0.138 χ^2/NDF: 6572029.2/12


diff_bpm0i01aY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
220
Right In: 14.446+/-0.308 χ²/NDF: 1142.5/33
Left Out: 15.056+/-0.416 χ²/NDF:246.2/24
Right Out: -14.014+/-0.301 χ²/NDF: 5226.9/38
Left In: 3.758+/-0.428 χ²/NDF:459.1/22
Left: 9.570+/-0.298 χ²/NDF: 1064.0/47
Right: -0.134+/-0.215 χ²/NDF: 10742.6/72
In: 10.797+/-0.250 χ²/NDF:2012.6/56
Out: -4.034+/-0.244 χ²/NDF:8684.8/63
All: 3.188+/-0.174 χ²/NDF: 12503.2/120

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

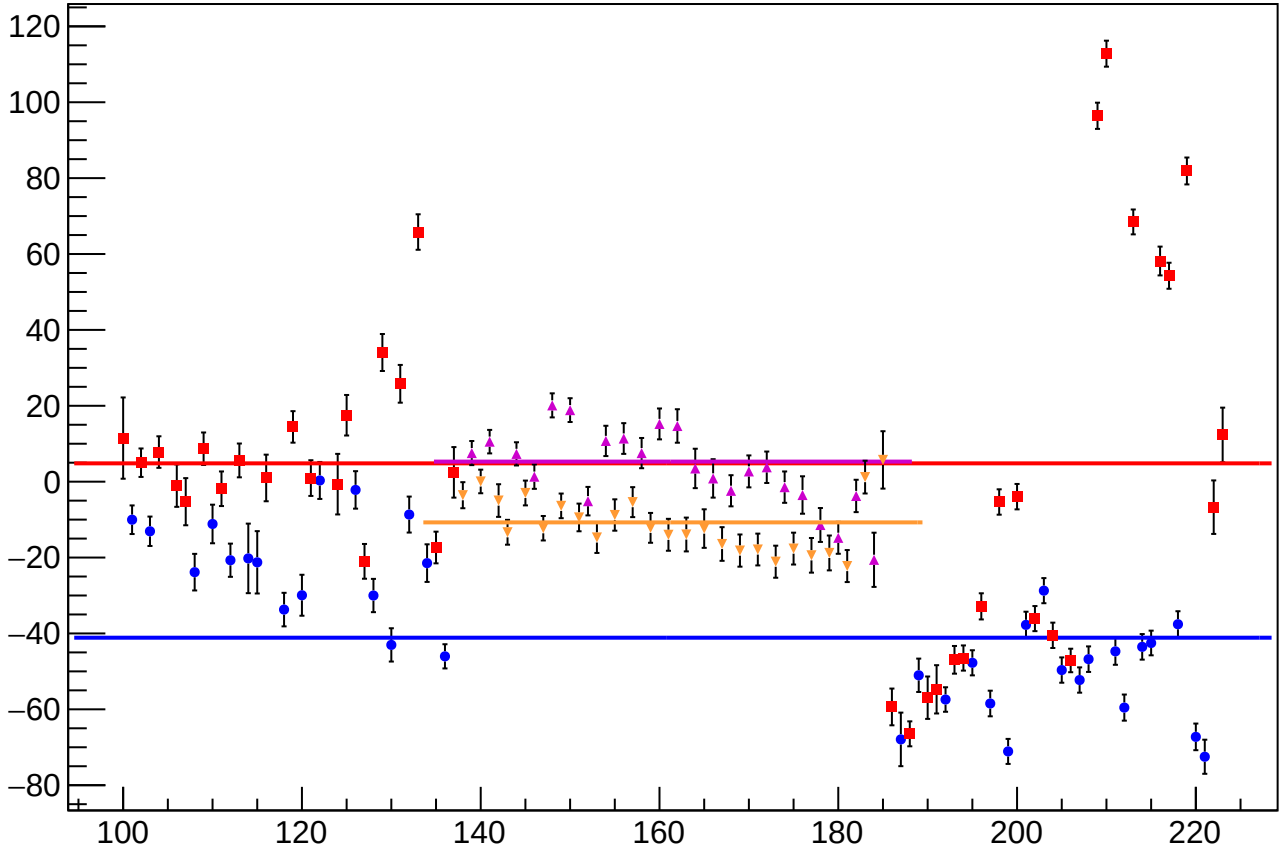
Right: 1425.520+/-0.152 χ^2/NDF: 2042316.2/72

In: 1564.199+/-0.177 χ^2/NDF:2257305.6/56

Out: 1559.505+/-0.172 χ^2/NDF:2503882.7/63

All: 1561.791+/-0.123 χ^2/NDF: 4761550.1/12

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

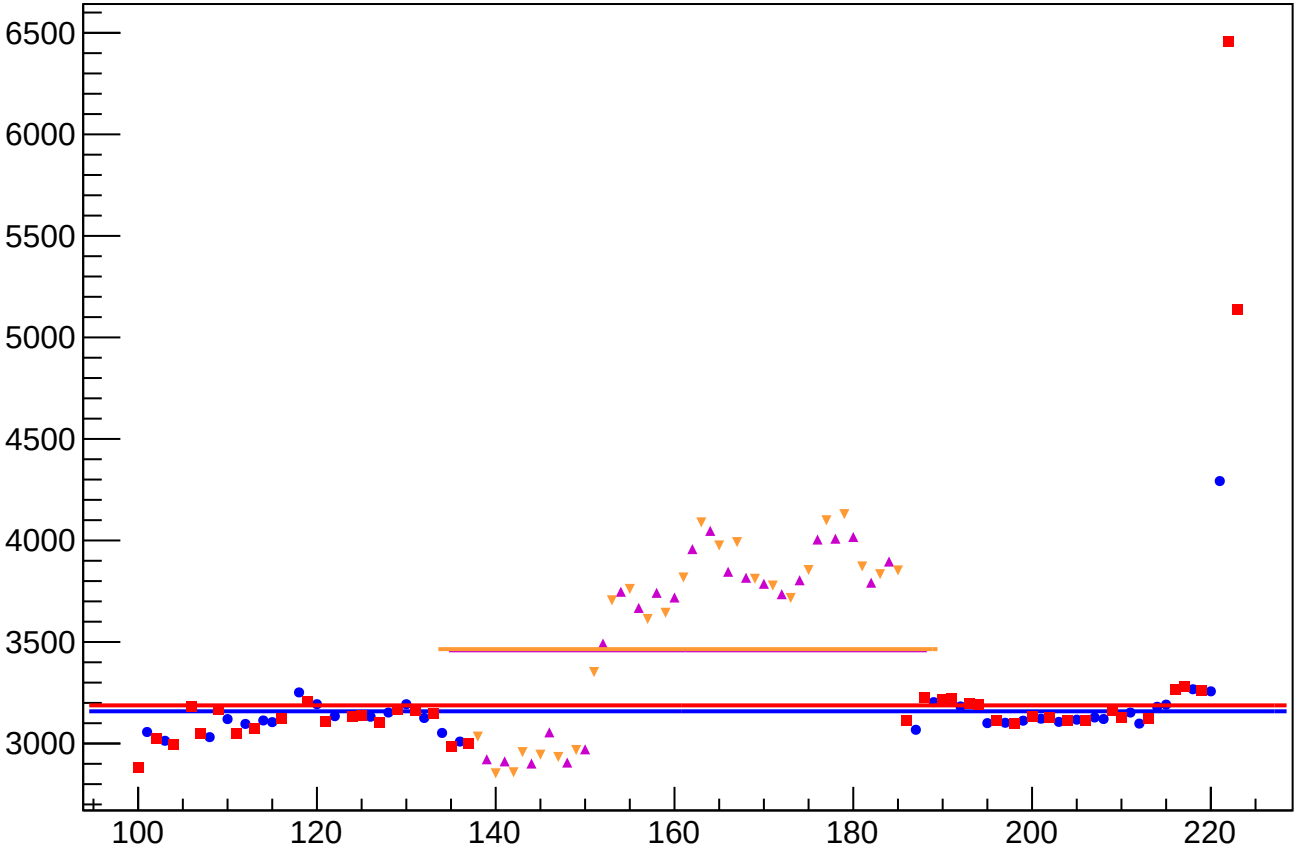
Right: -17.999+/-0.475 χ^2/NDF: 8385.5/72

In: -22.232+/-0.520 χ^2/NDF:2803.2/56

Out: -1.649+/-0.512 χ^2/NDF:5605.8/63

All: -11.793+/-0.365 χ^2/NDF: 9205.2/120

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

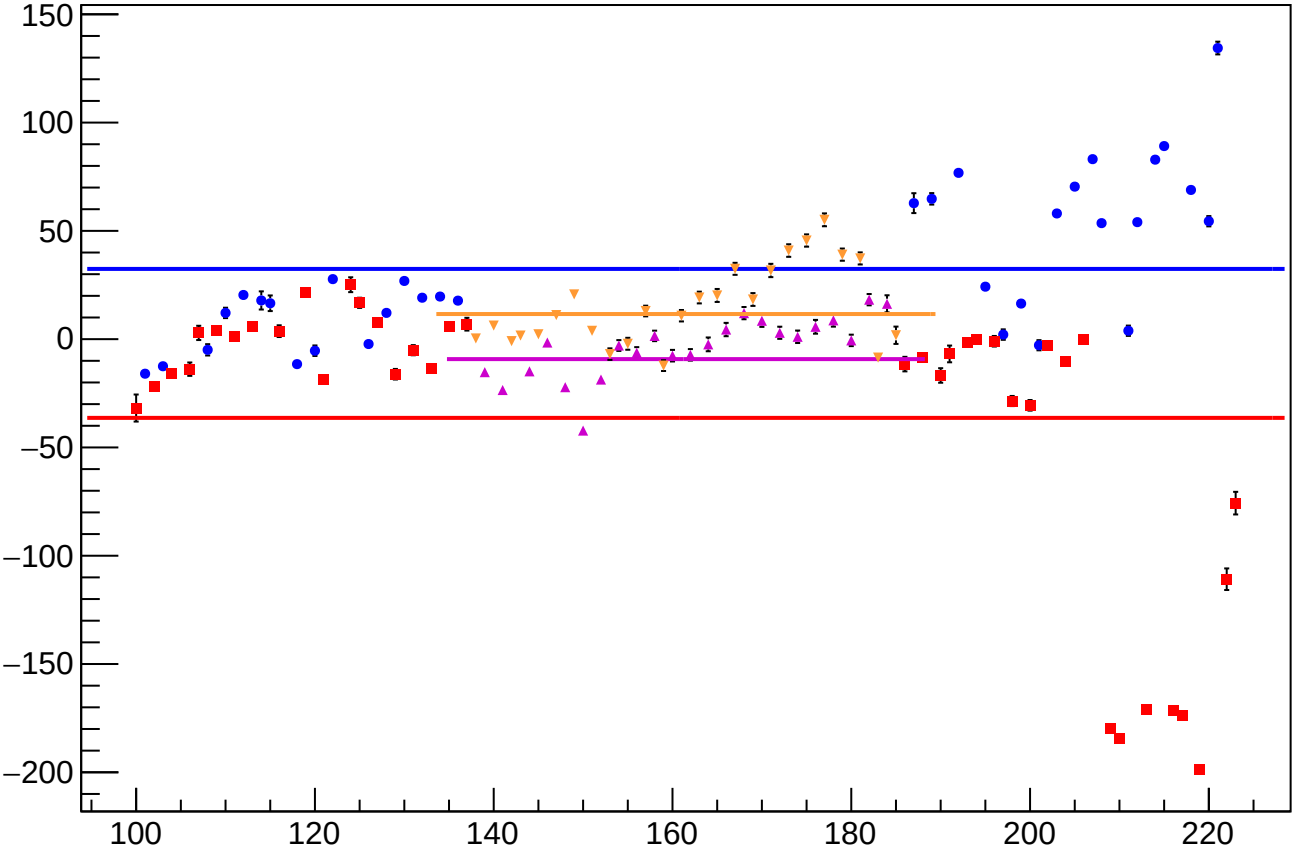
Right: 3173.381+/-0.336 χ^2/NDF: 760063.6/72

In: 3280.947+/-0.367 χ^2/NDF:893087.2/56

Out: 3303.180+/-0.362 χ^2/NDF:1395971.5/63

All: 3292.222+/-0.258 χ^2/NDF: 2290916.3/12

diff_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

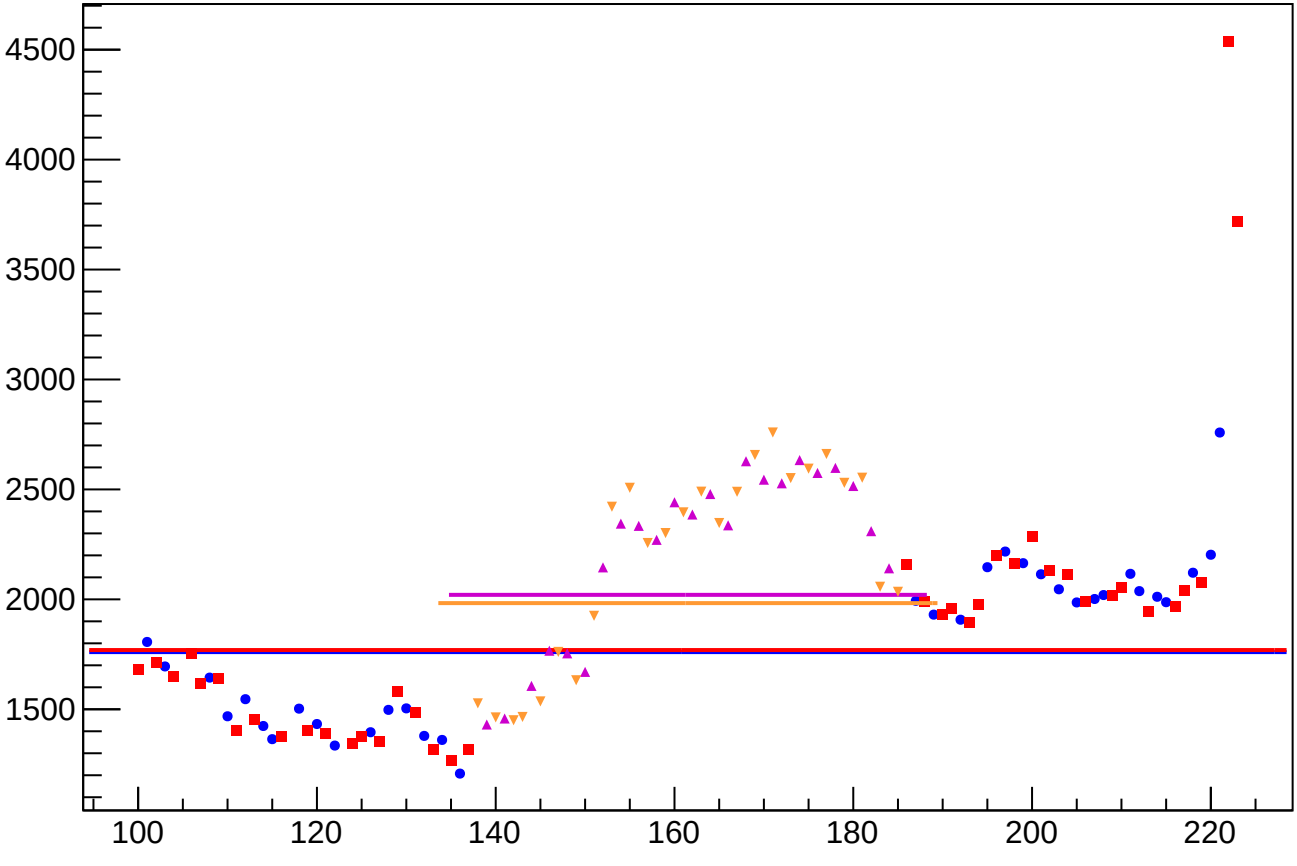
Right: -2.301+/-0.270 χ^2/NDF: 57006.3/72

In: 16.350+/-0.301 χ^2/NDF:13384.6/56

Out: -17.073+/-0.294 χ^2/NDF:40487.2/63

All: -0.747+/-0.210 χ^2/NDF: 60192.9/120

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

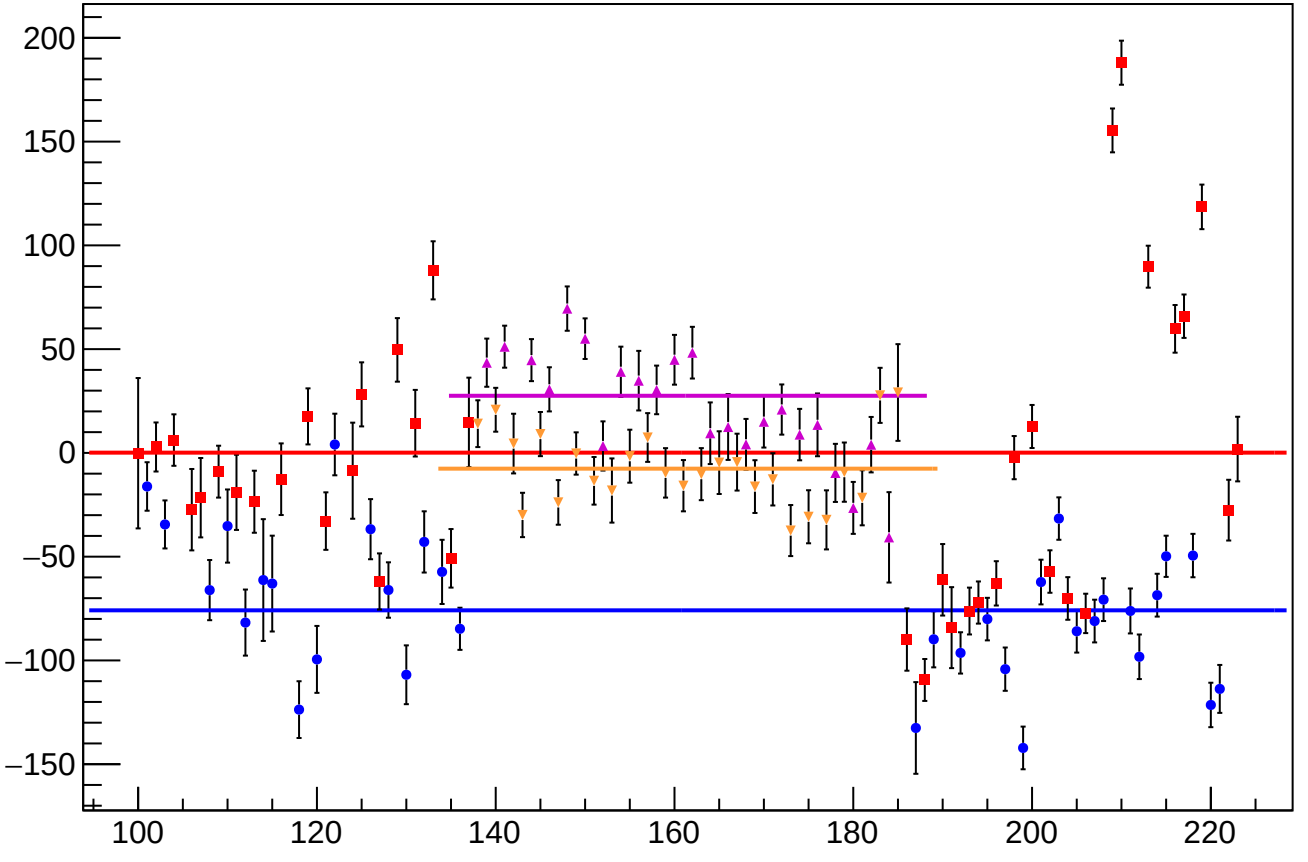
Right: 1764.795+/-0.191 χ^2/NDF: 4019306.3/72

In: 1860.656+/-0.213 χ^2/NDF:3682842.8/56

Out: 1855.208+/-0.208 χ^2/NDF:4537566.0/63

All: 1857.869+/-0.149 χ^2/NDF: 8220744.6/12

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

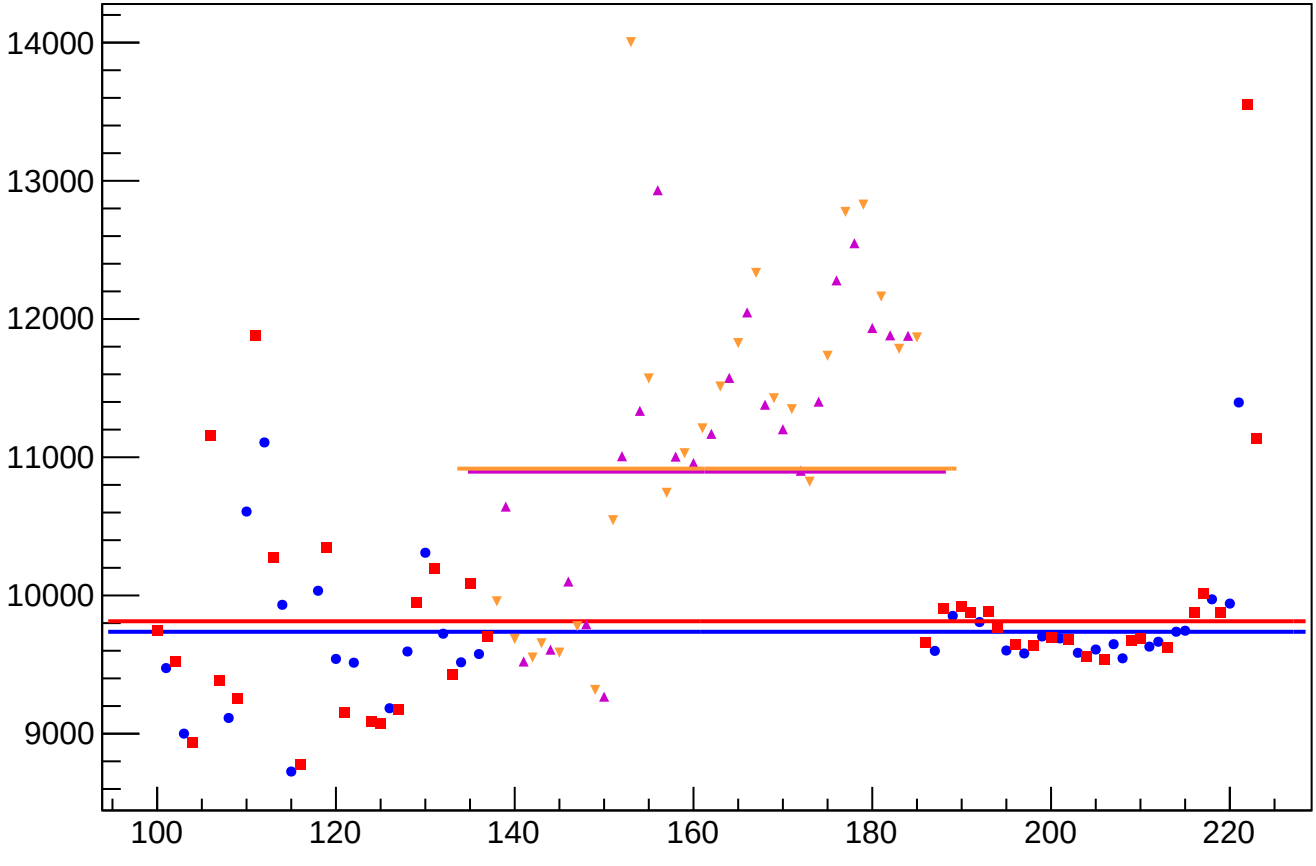
Right: -37.465+/-1.461 χ^2/NDF: 2280.3/72

In: -34.743+/-1.612 χ^2/NDF:1316.4/56

Out: -2.997+/-1.586 χ^2/NDF:1419.6/63

All: -18.614+/-1.131 χ^2/NDF: 2933.0/120

diff_bpm0l02X_rms vs Slug, Sign Corrected



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

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

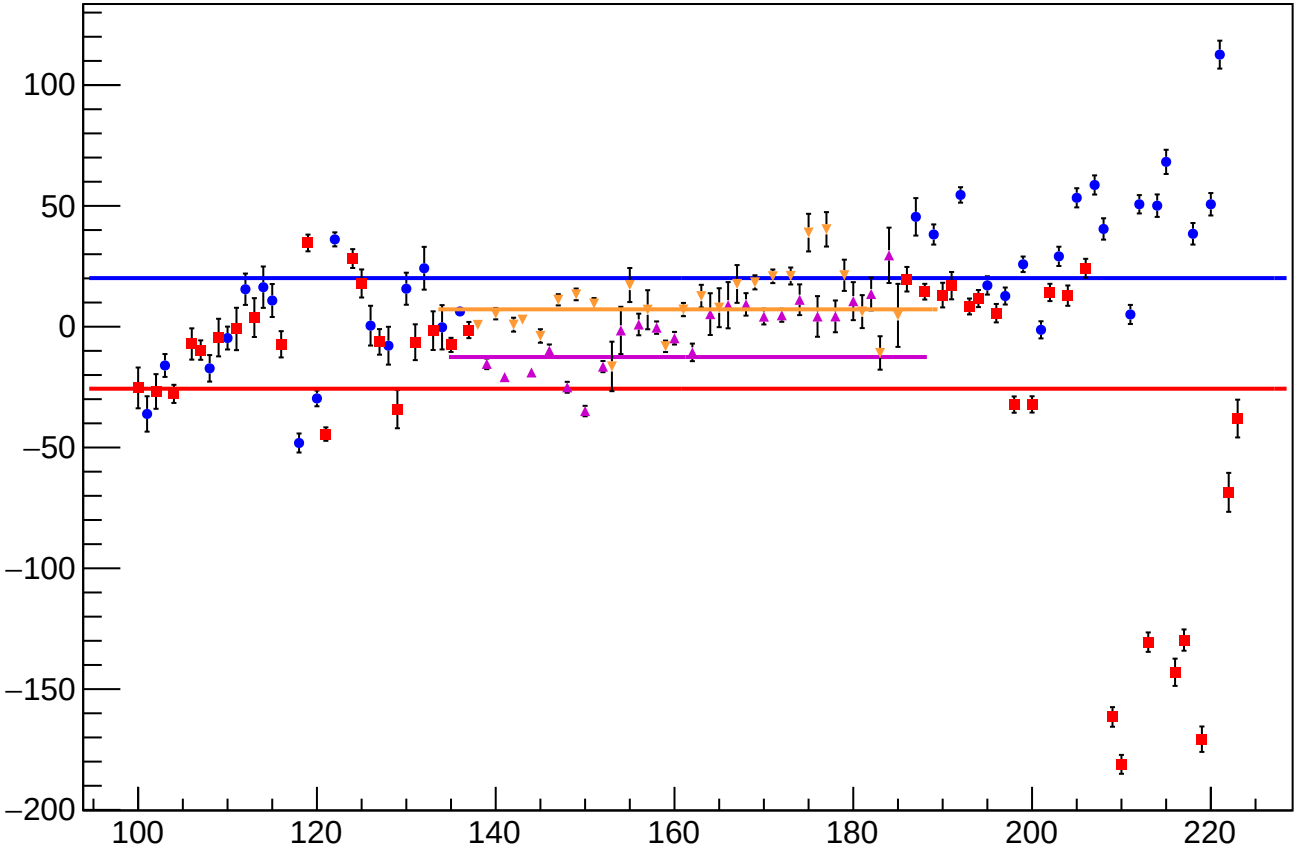
Right: 9775.683+/-1.033 χ^2/NDF: 328536.0/72

In: 10198.013+/-1.140 χ^2/NDF:637069.5/56

Out: 10259.872+/-1.122 χ^2/NDF:894916.1/63

All: 10229.440+/-0.800 χ^2/NDF: 1533481.5/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

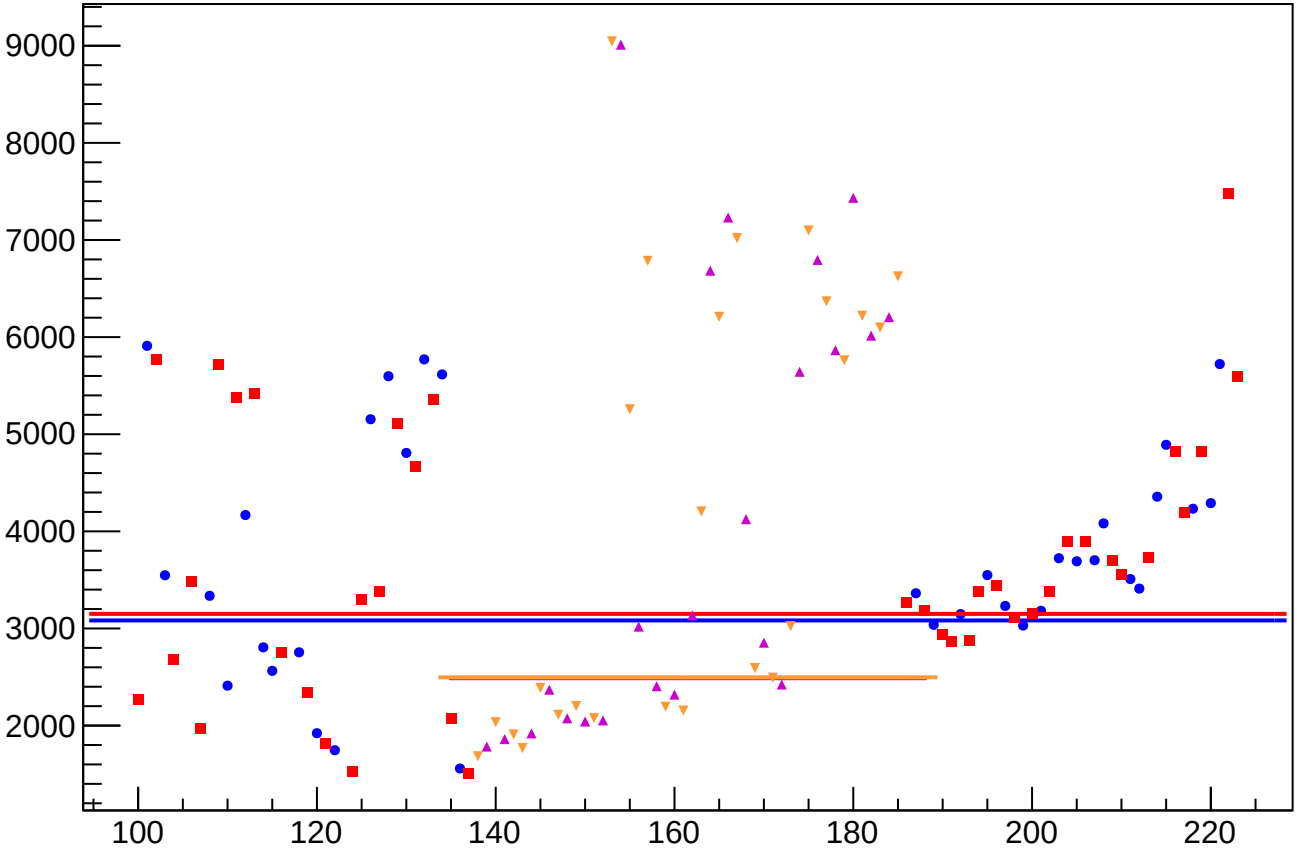
Right: -2.923+/-0.498 χ^2/NDF: 10824.7/72

In: 2.669+/-0.483 χ^2/NDF:3273.2/56

Out: -8.055+/-0.479 χ^2/NDF:8327.8/63

All: -2.740+/-0.340 χ^2/NDF: 11849.9/120

diff_bpm0l02Y_rms vs Slug, Sign Corrected



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

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

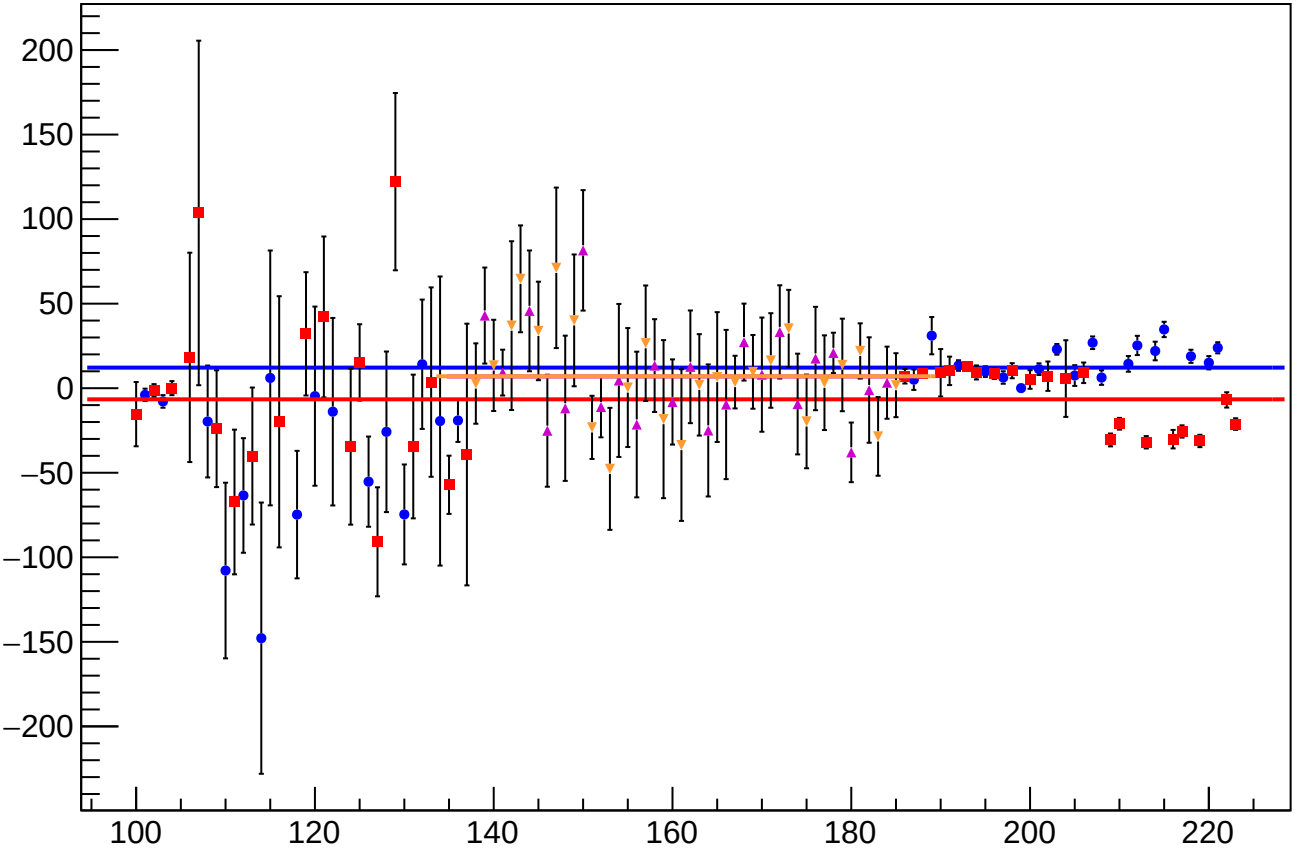
Right: 3116.621+/-0.352 χ^2/NDF: 9623612.6/72

In: 2764.944+/-0.341 χ^2/NDF:11883068.3/56

Out: 2799.920+/-0.338 χ^2/NDF:12723823.9/63

All: 2782.583+/-0.240 χ^2/NDF: 24612187.9/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



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

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

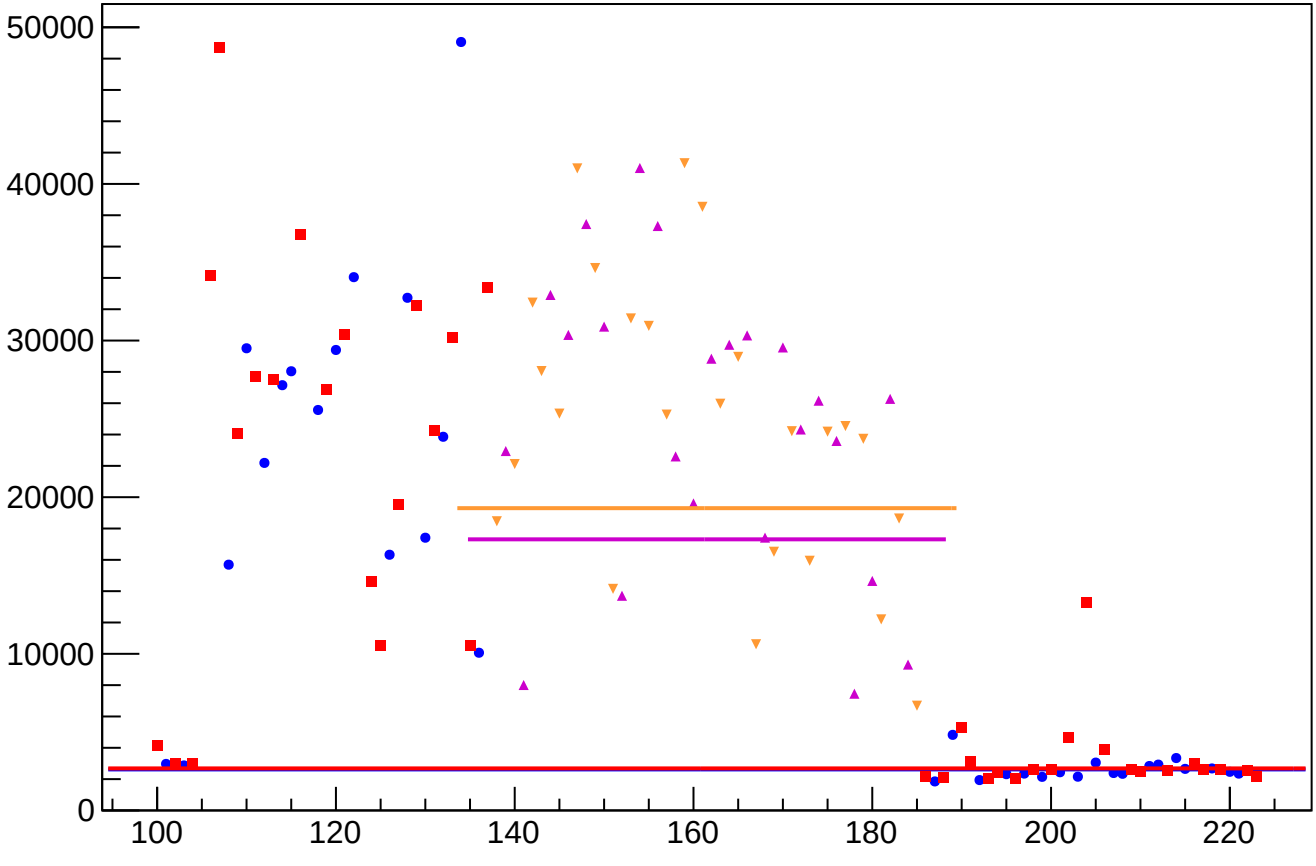
Right: 2.865+/-0.621 χ^2/NDF: 829.1/72

In: 12.026+/-0.862 χ^2/NDF:216.8/56

Out: -6.198+/-0.869 χ^2/NDF:432.7/63

All: 2.982+/-0.612 χ^2/NDF: 871.1/120

diff_bpm0l03X_rms vs Slug, Sign Corrected



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

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

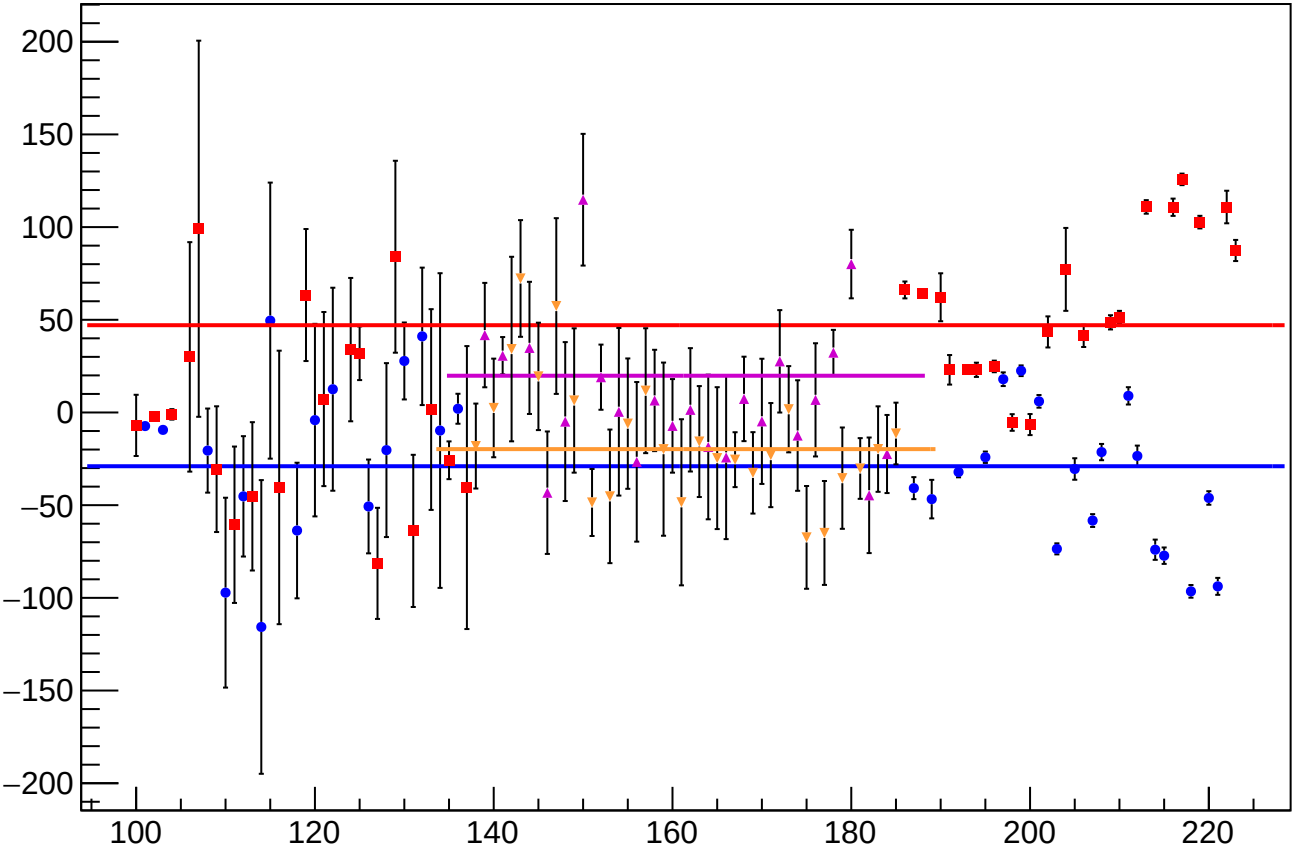
Right: 2652.088+/-0.439 χ^2/NDF: 17493996.3/72

In: 3041.701+/-0.610 χ^2/NDF:30902115.2/56

Out: 3143.641+/-0.614 χ^2/NDF:34164163.2/63

All: 3092.293+/-0.433 χ^2/NDF: 65080144.2/

diff_bpm0l03Y_mean vs Slug, Sign Corrected



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

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

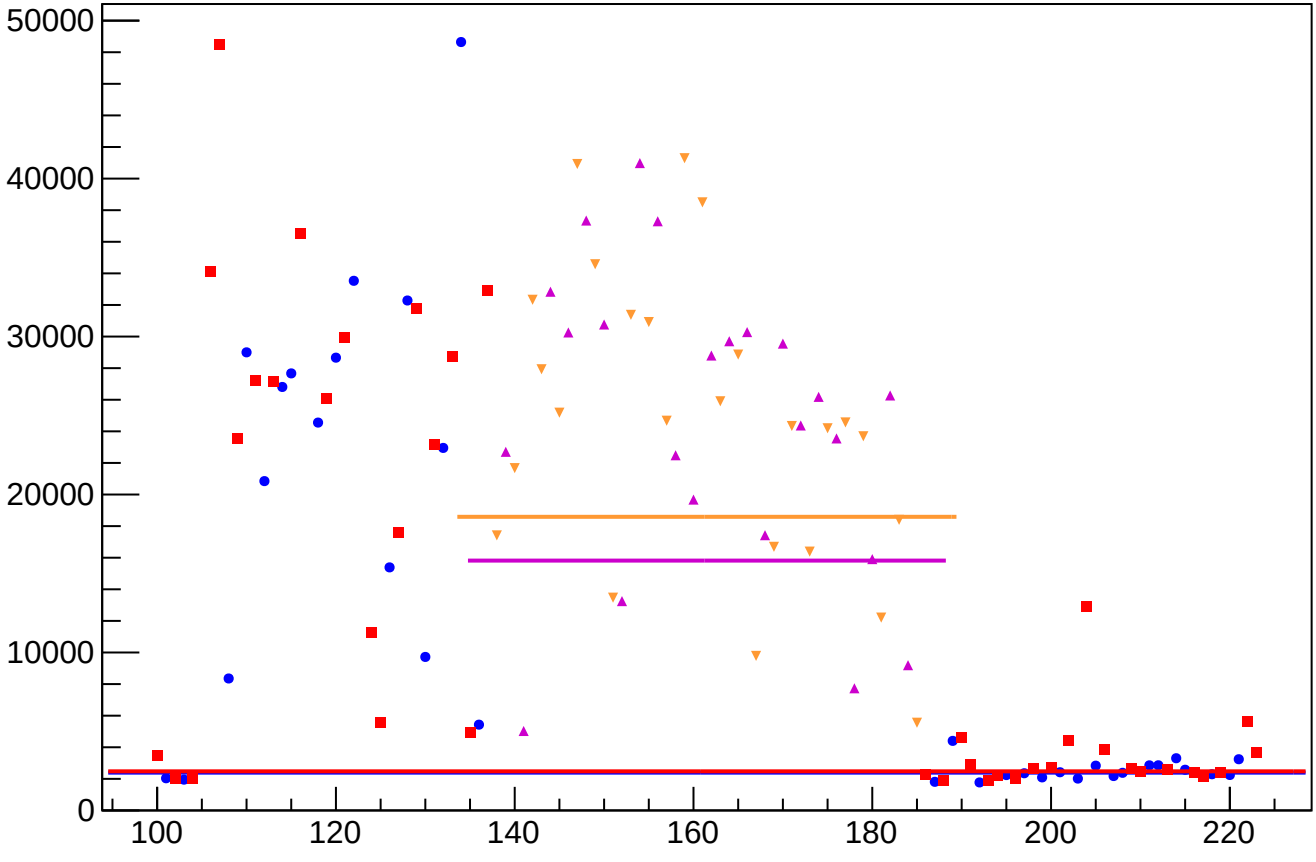
Right: 8.210+/-0.578 χ^2/NDF: 9000.4/72

In: -27.677+/-0.797 χ^2/NDF:2067.7/56

Out: 45.380+/-0.815 χ^2/NDF:2931.4/63

All: 8.023+/-0.570 χ^2/NDF: 9104.1/120

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

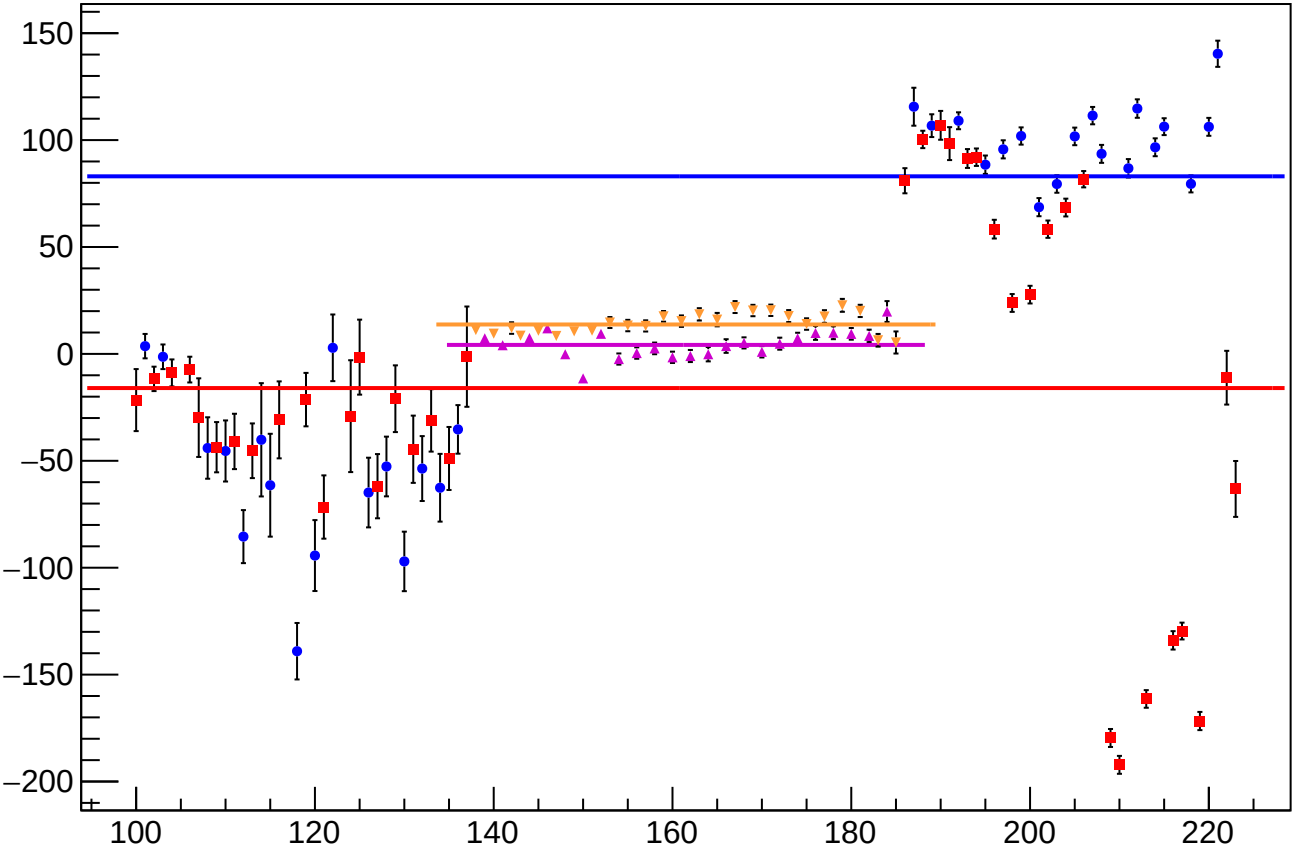
Right: 2434.848+/-0.408 χ^2/NDF: 16651363.9/72

In: 2758.010+/-0.564 χ^2/NDF:30588146.1/56

Out: 2885.894+/-0.577 χ^2/NDF:34419078.5/63

All: 2820.502+/-0.403 χ^2/NDF: 65032380.2/

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

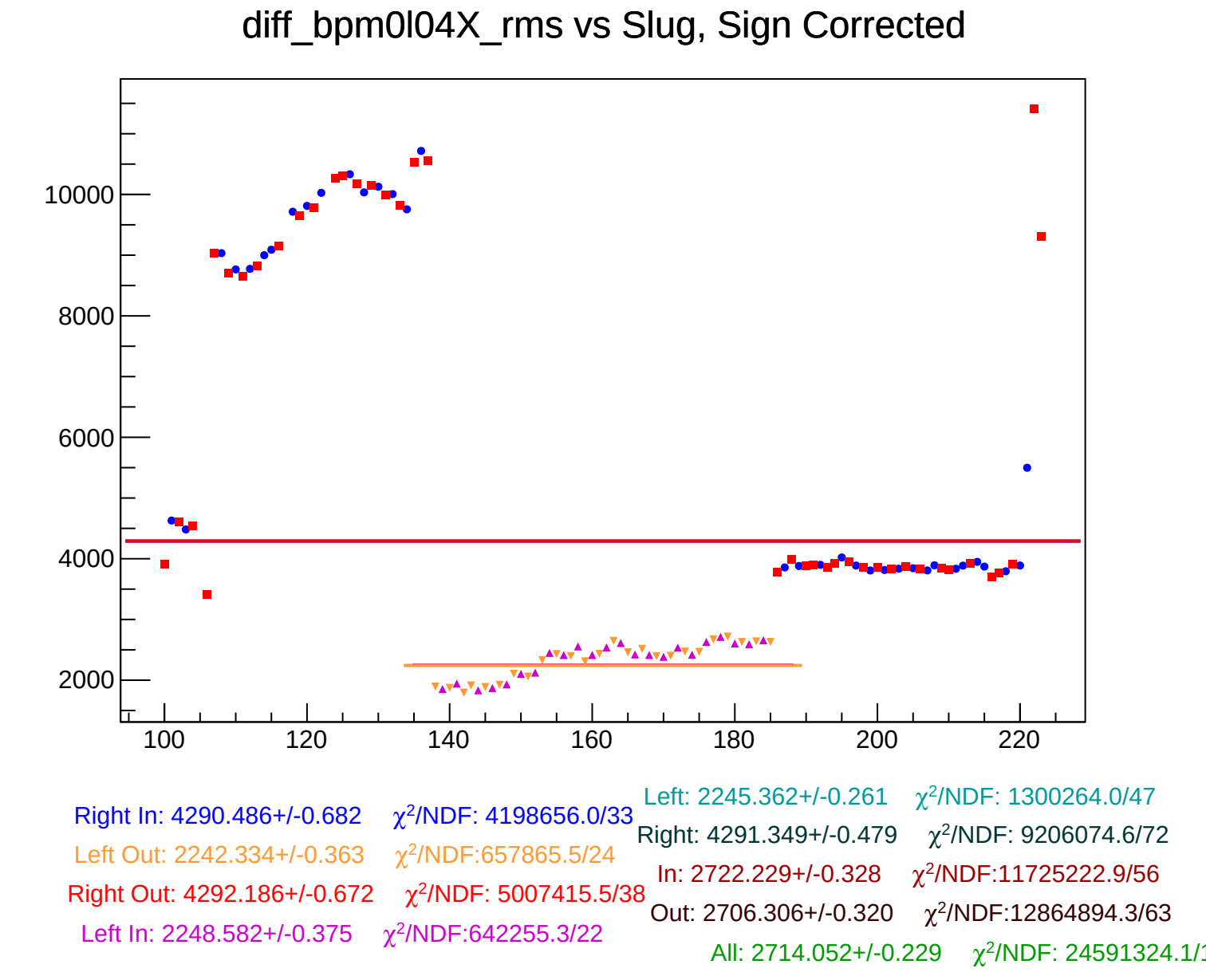
Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

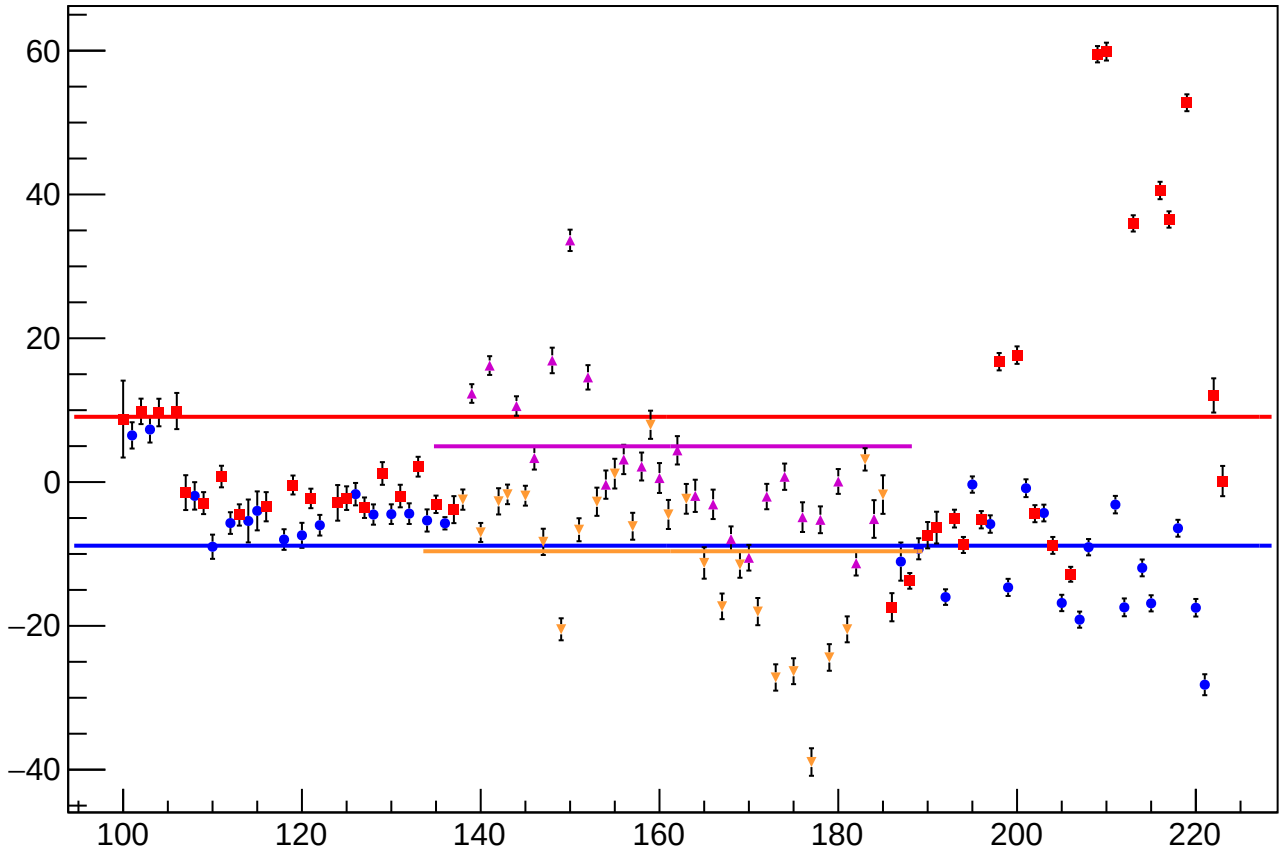
Right: 32.802+/-0.677 χ^2/NDF: 19976.5/72

In: 22.493+/-0.465 χ^2/NDF:7524.4/56

Out: 7.030+/-0.452 χ^2/NDF:13194.6/63

All: 14.552+/-0.324 χ^2/NDF: 21288.1/120


diff_bpm0l04X_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4290.486+/-0.682 χ²/NDF: 4198656.0/33
Left Out: 2242.334+/-0.363 χ²/NDF:657865.5/24
Right Out: 4292.186+/-0.672 χ²/NDF: 5007415.5/38
Left In: 2248.582+/-0.375 χ²/NDF:642255.3/22
Left: 2245.362+/-0.261 χ²/NDF: 1300264.0/47
Right: 4291.349+/-0.479 χ²/NDF: 9206074.6/72
In: 2722.229+/-0.328 χ²/NDF:11725222.9/56
Out: 2706.306+/-0.320 χ²/NDF:12864894.3/63
All: 2714.052+/-0.229 χ²/NDF: 24591324.1/



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

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

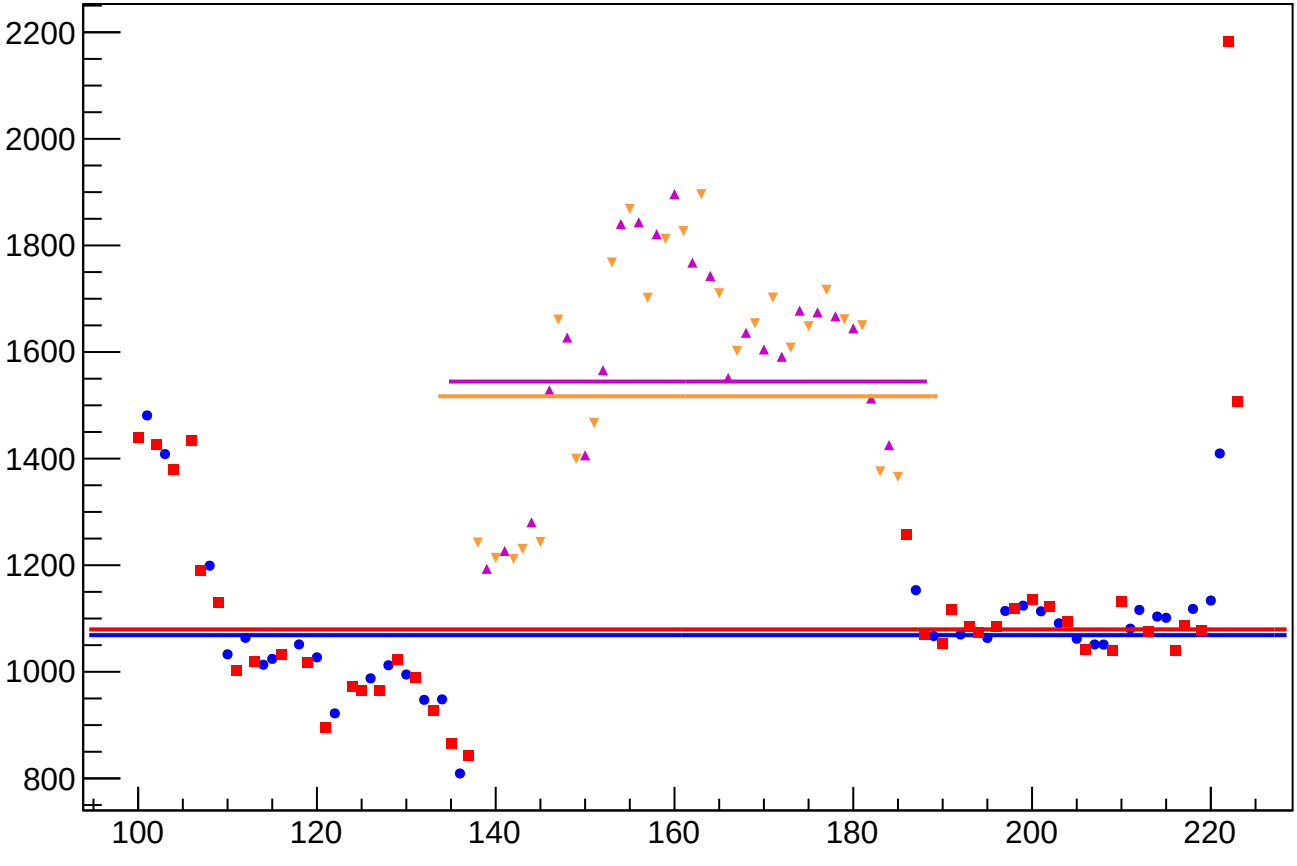
Right: 0.171+/-0.162 χ^2/NDF: 13806.8/72

In: -4.929+/-0.194 χ^2/NDF:2883.7/56

Out: 3.489+/-0.191 χ^2/NDF:12755.2/63

All: -0.648+/-0.136 χ^2/NDF: 16595.0/120

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

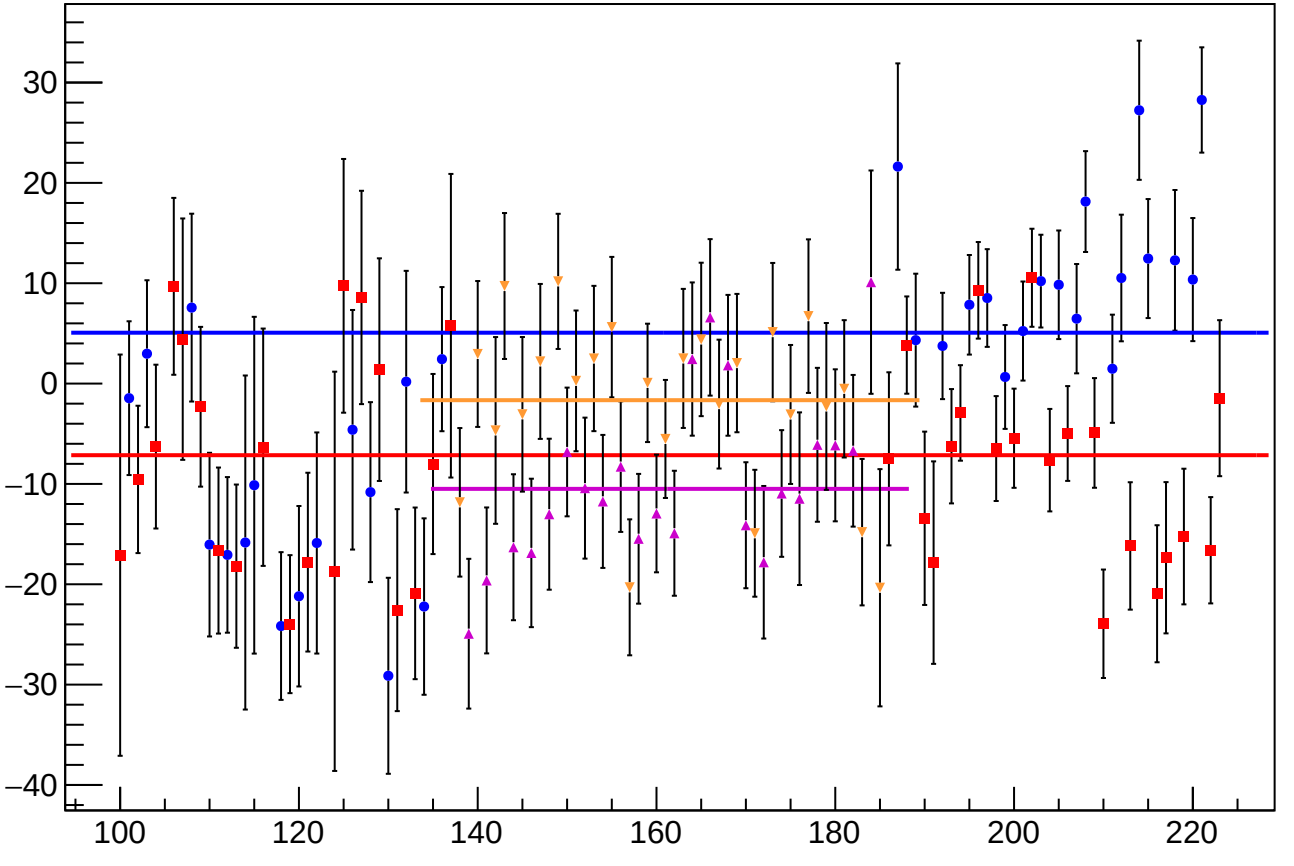
Right: 1074.294+/-0.114 χ^2/NDF: 1507824.5/72

In: 1203.704+/-0.137 χ^2/NDF:3647569.2/56

Out: 1210.413+/-0.135 χ^2/NDF:3970138.0/63

All: 1207.116+/-0.096 χ^2/NDF: 7618921.8/12

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

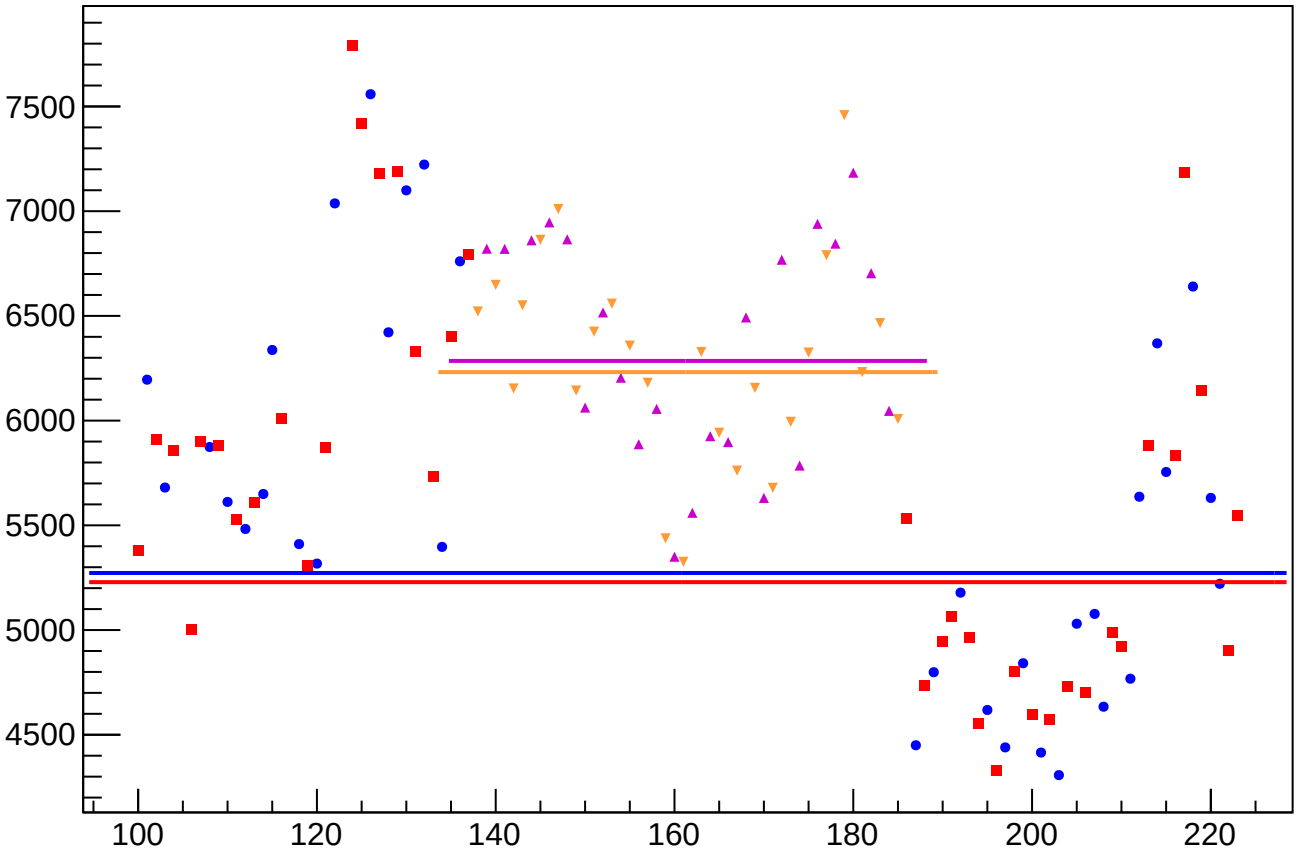
Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

Right: -1.213+/-0.795 χ^2/NDF: 259.1/72

In: -0.735+/-0.904 χ^2/NDF:212.3/56

Out: -5.073+/-0.875 χ^2/NDF:122.8/63

All: -2.974+/-0.629 χ^2/NDF: 347.0/120



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

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

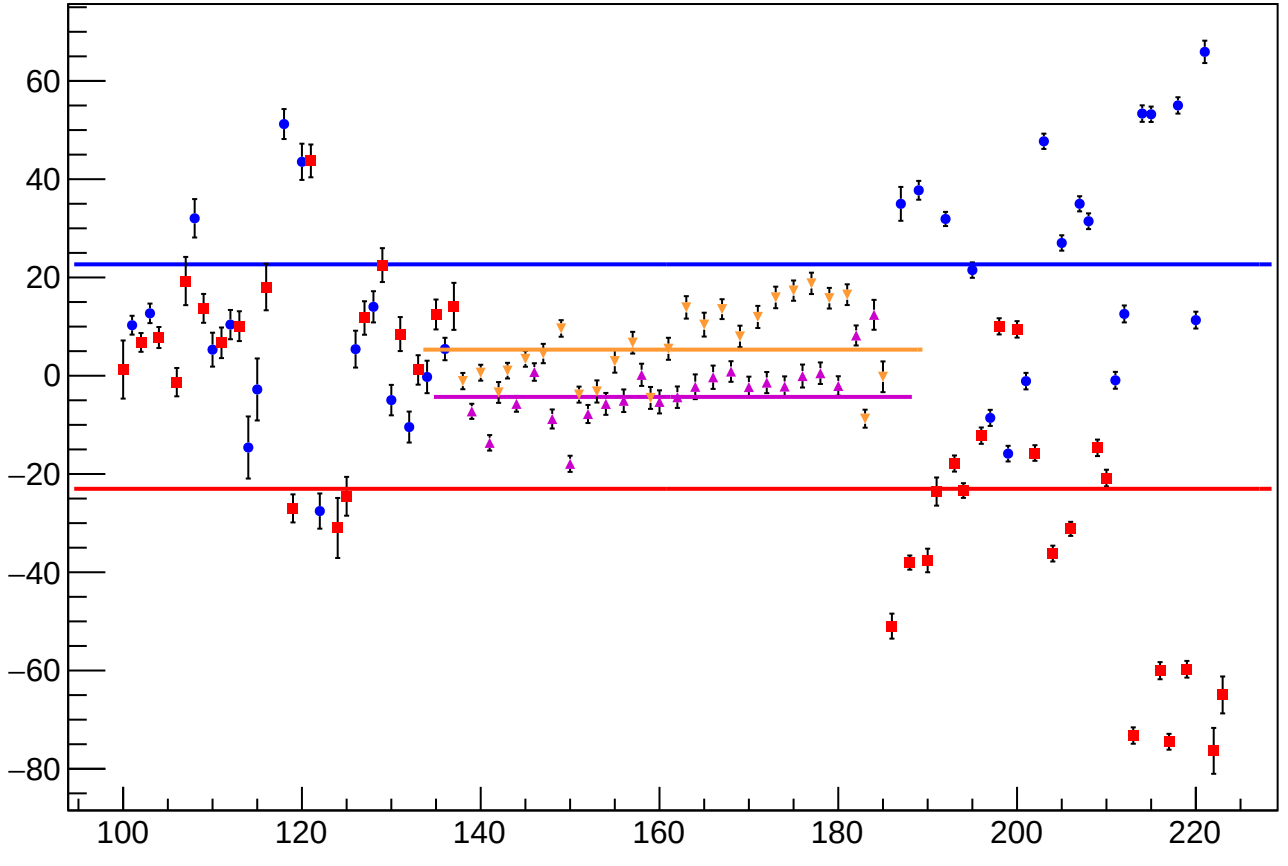
Right: 5249.921+/-0.562 χ^2/NDF: 1805349.0/72

In: 5650.148+/-0.639 χ^2/NDF:1774153.7/56

Out: 5606.264+/-0.619 χ^2/NDF:1725799.0/63

All: 5627.503+/-0.445 χ^2/NDF: 3502386.4/12

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

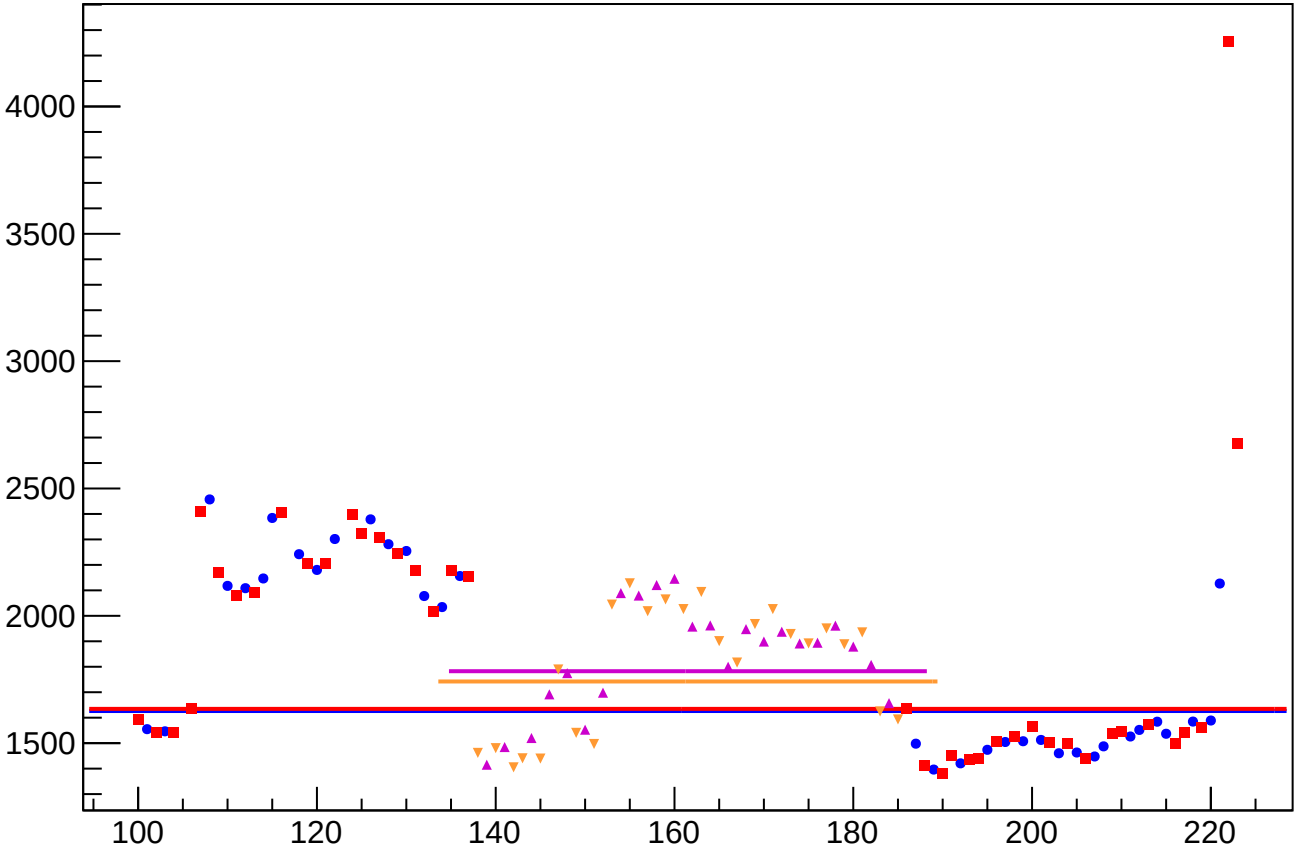
Right: -0.370+/-0.248 χ^2/NDF: 19053.9/72

In: 11.543+/-0.270 χ^2/NDF:6791.8/56

Out: -10.787+/-0.263 χ^2/NDF:9631.6/63

All: 0.096+/-0.188 χ^2/NDF: 19935.7/120

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

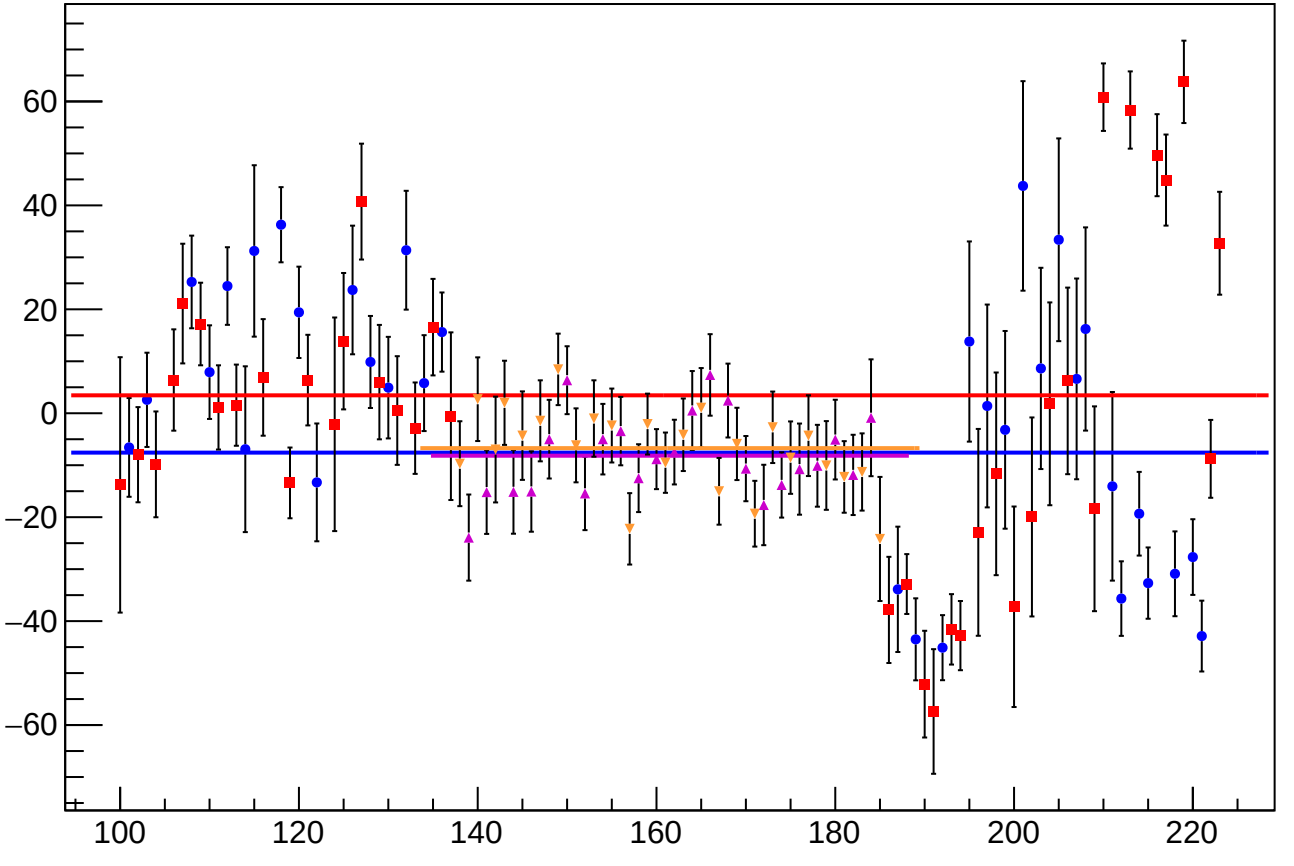
Right: 1630.429+/-0.175 χ^2/NDF: 3037350.0/72

In: 1690.647+/-0.191 χ^2/NDF:1878946.5/56

Out: 1681.055+/-0.186 χ^2/NDF:2704728.1/63

All: 1685.730+/-0.133 χ^2/NDF: 4584970.6/12

diff_bpm0l06X_mean vs Slug, Sign Corrected



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

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

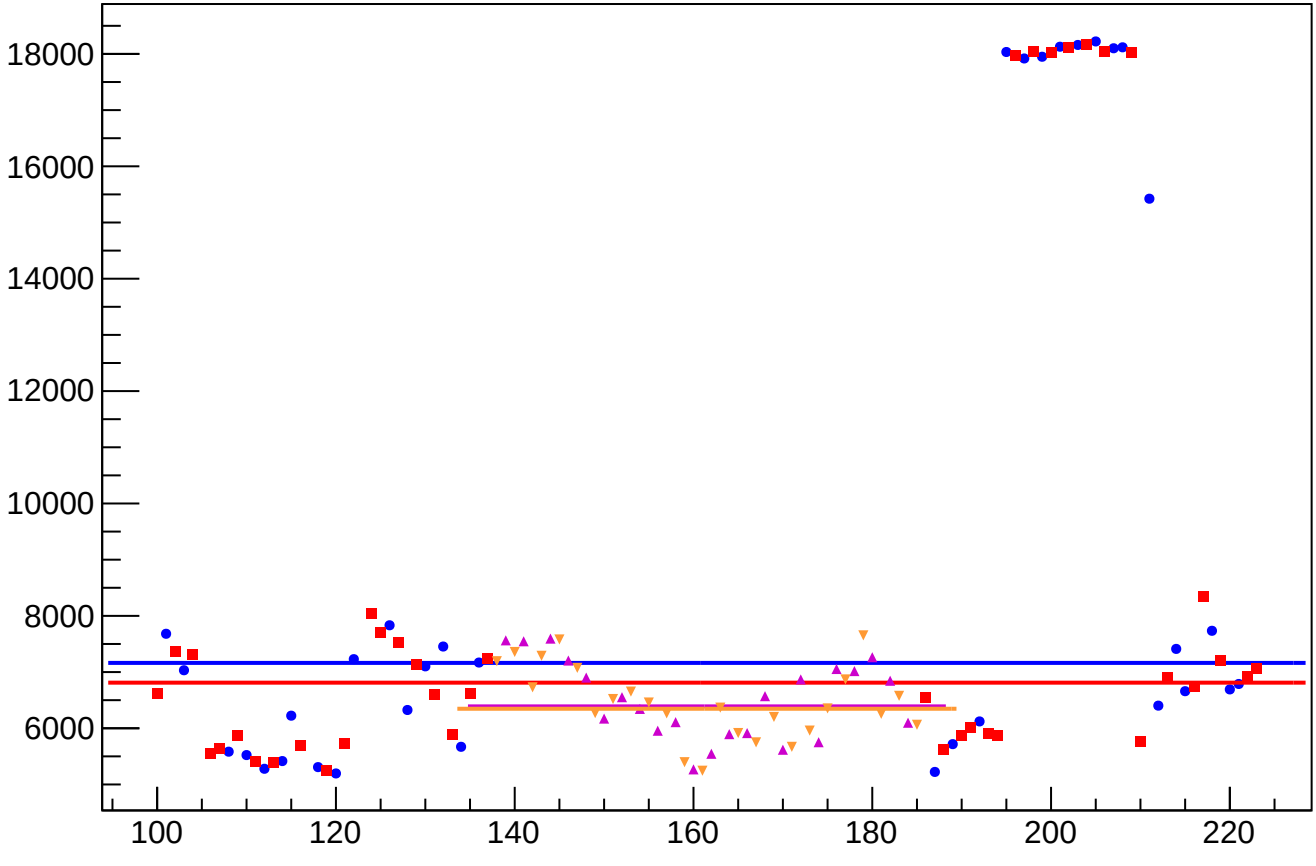
Right: -1.621+/-1.124 χ^2/NDF: 799.0/72

In: -7.901+/-1.116 χ^2/NDF:297.5/56

Out: -1.875+/-1.055 χ^2/NDF:550.7/63

All: -4.719+/-0.767 χ^2/NDF: 863.6/120

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

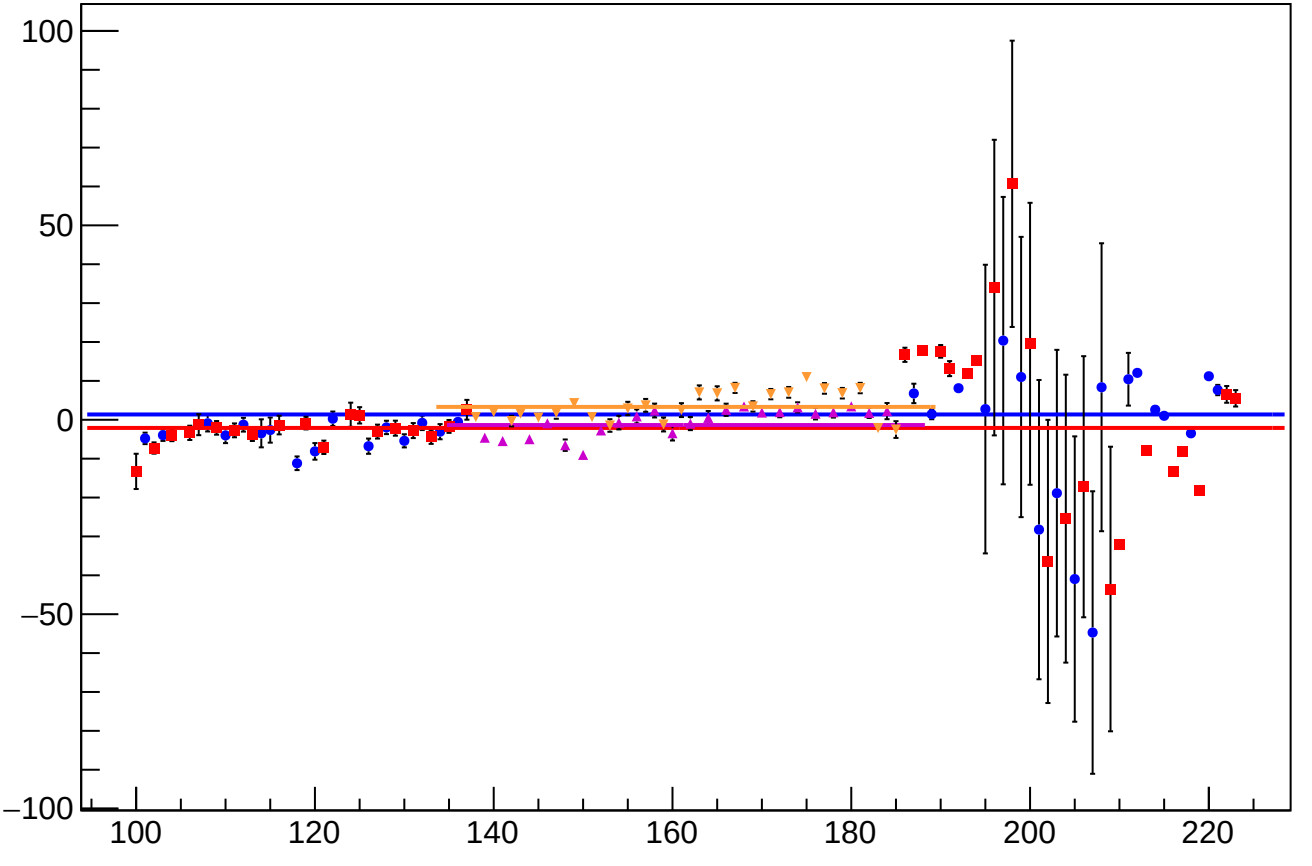
Right: 6973.276+/-0.795 χ^2/NDF: 11843095.6/72

In: 6740.380+/-0.789 χ^2/NDF:6944361.7/56

Out: 6568.330+/-0.746 χ^2/NDF:5990693.5/63

All: 6649.523+/-0.542 χ^2/NDF: 12960149.0/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

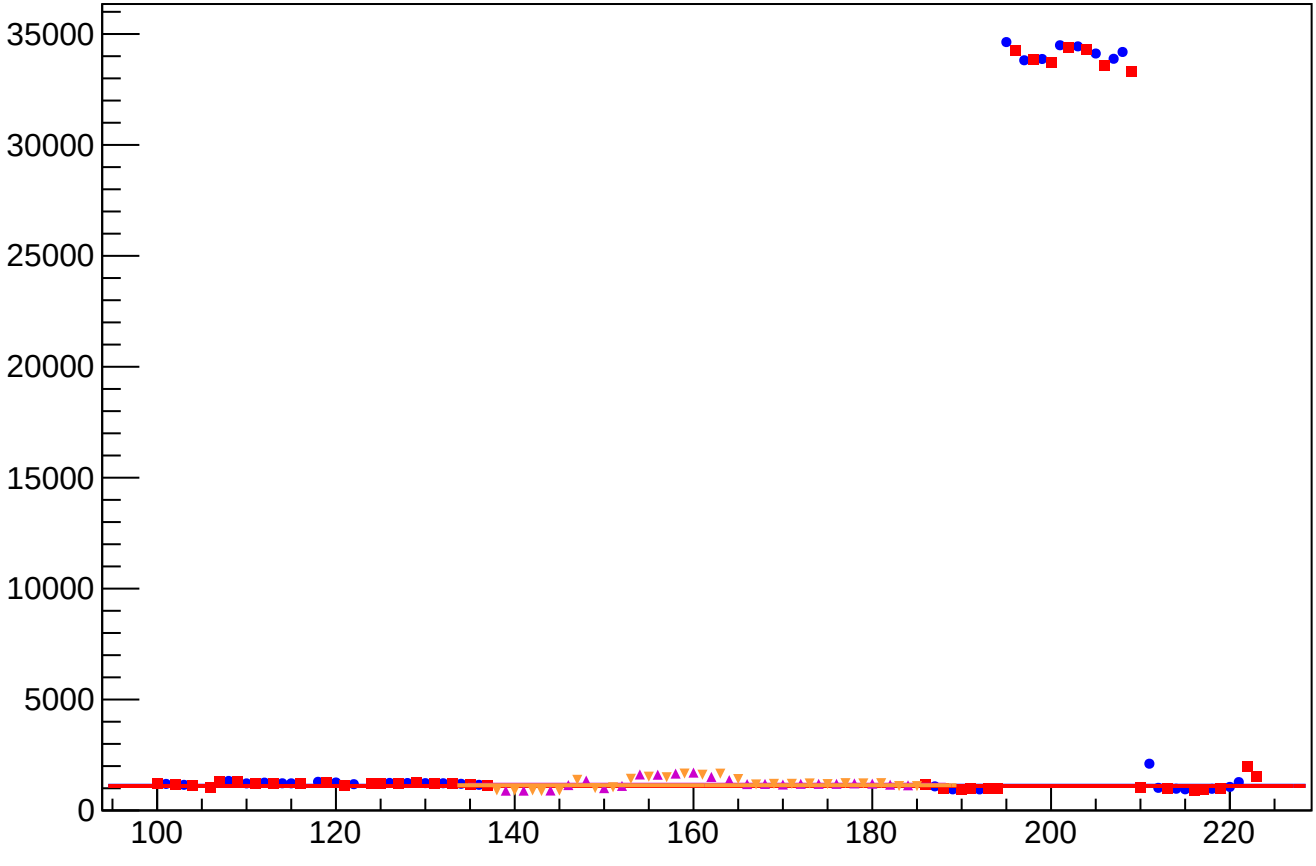
Right: -0.479+/-0.199 χ^2/NDF: 2652.8/72

In: -0.064+/-0.201 χ^2/NDF:673.7/56

Out: 0.690+/-0.190 χ^2/NDF:2526.5/63

All: 0.334+/-0.138 χ^2/NDF: 3207.7/120

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

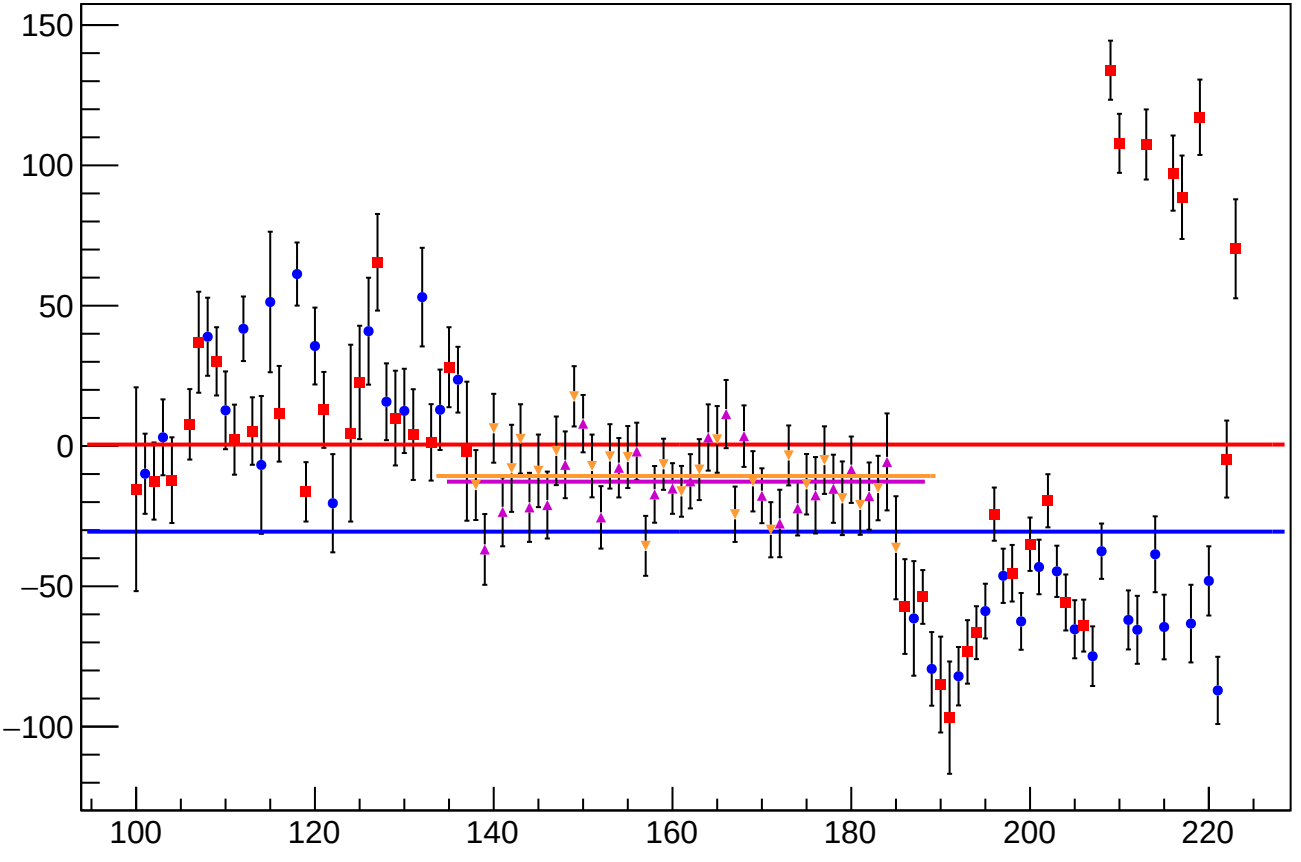
Right: 1107.733+/-0.141 χ^2/NDF: 25514440.9/72

In: 1137.622+/-0.142 χ^2/NDF:14550767.7/56

Out: 1120.456+/-0.134 χ^2/NDF:13734343.3/63

All: 1128.565+/-0.097 χ^2/NDF: 28292839.4/

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

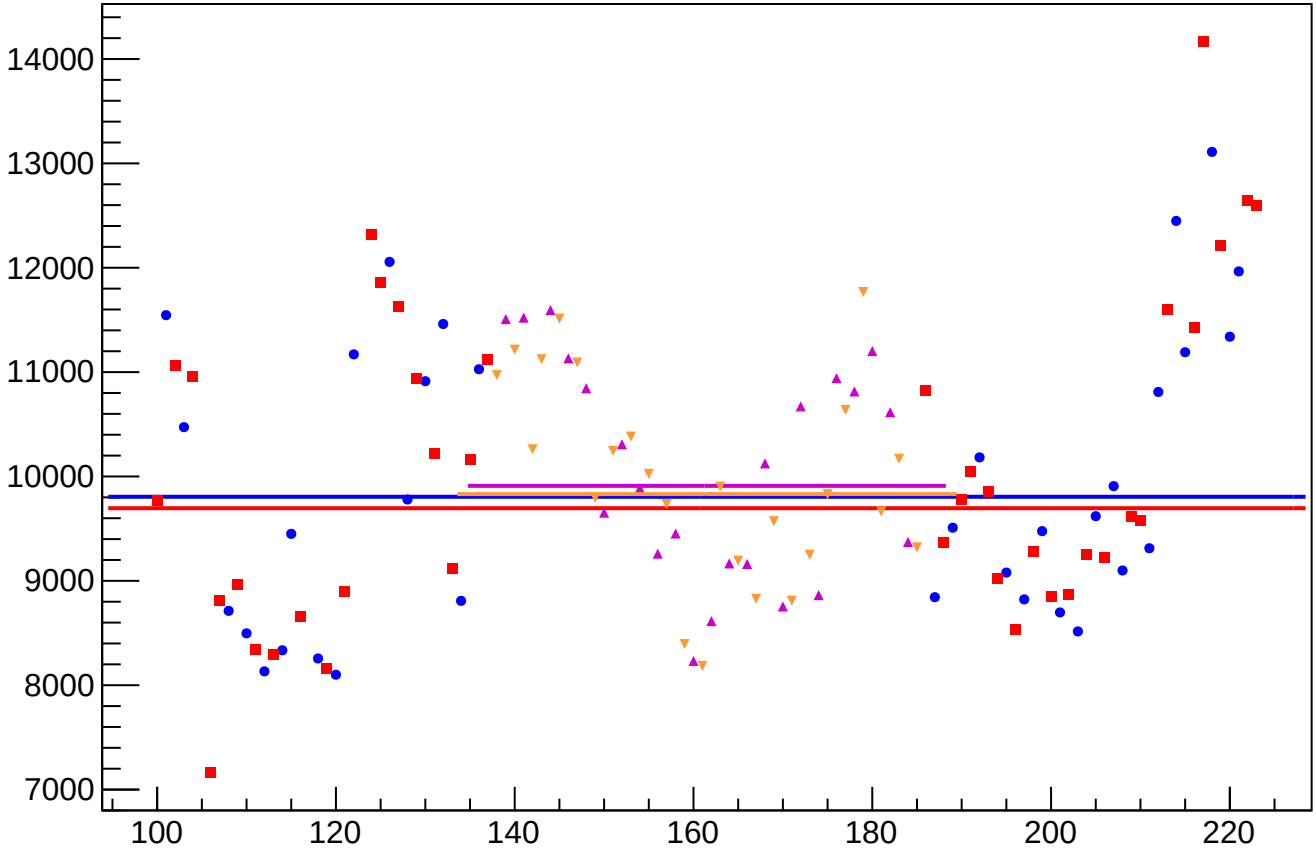
Right: -14.544+/-1.475 χ^2/NDF: 1397.7/72

In: -22.513+/-1.570 χ^2/NDF:478.4/56

Out: -4.568+/-1.520 χ^2/NDF:906.7/63

All: -13.247+/-1.092 χ^2/NDF: 1452.5/120

diff_bpm0l07X_rms vs Slug, Sign Corrected



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

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

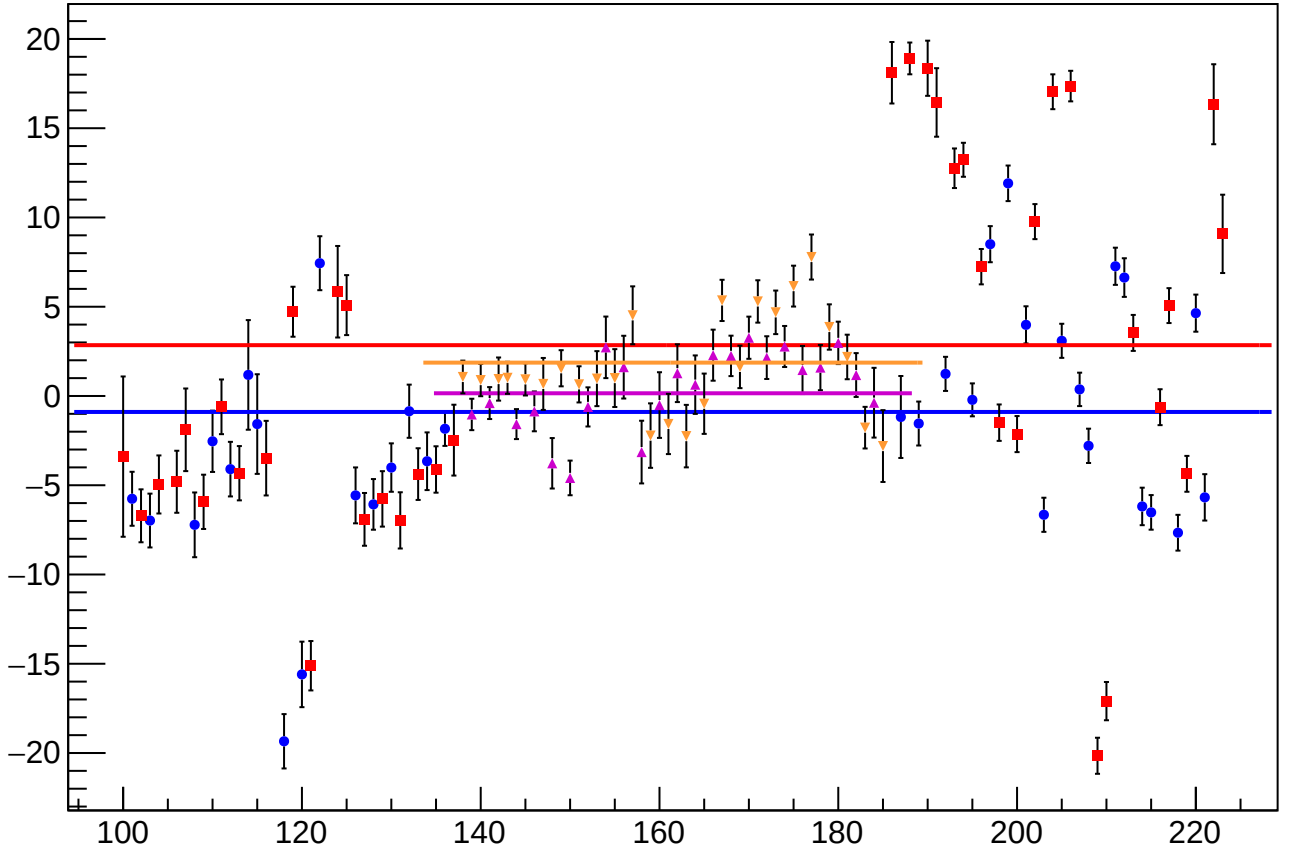
Right: 9749.239+/-1.043 χ^2/NDF: 1635060.5/72

In: 9852.729+/-1.110 χ^2/NDF:1127799.6/56

Out: 9757.380+/-1.075 χ^2/NDF:1256120.4/63

All: 9803.492+/-0.772 χ^2/NDF: 2387728.2/12

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

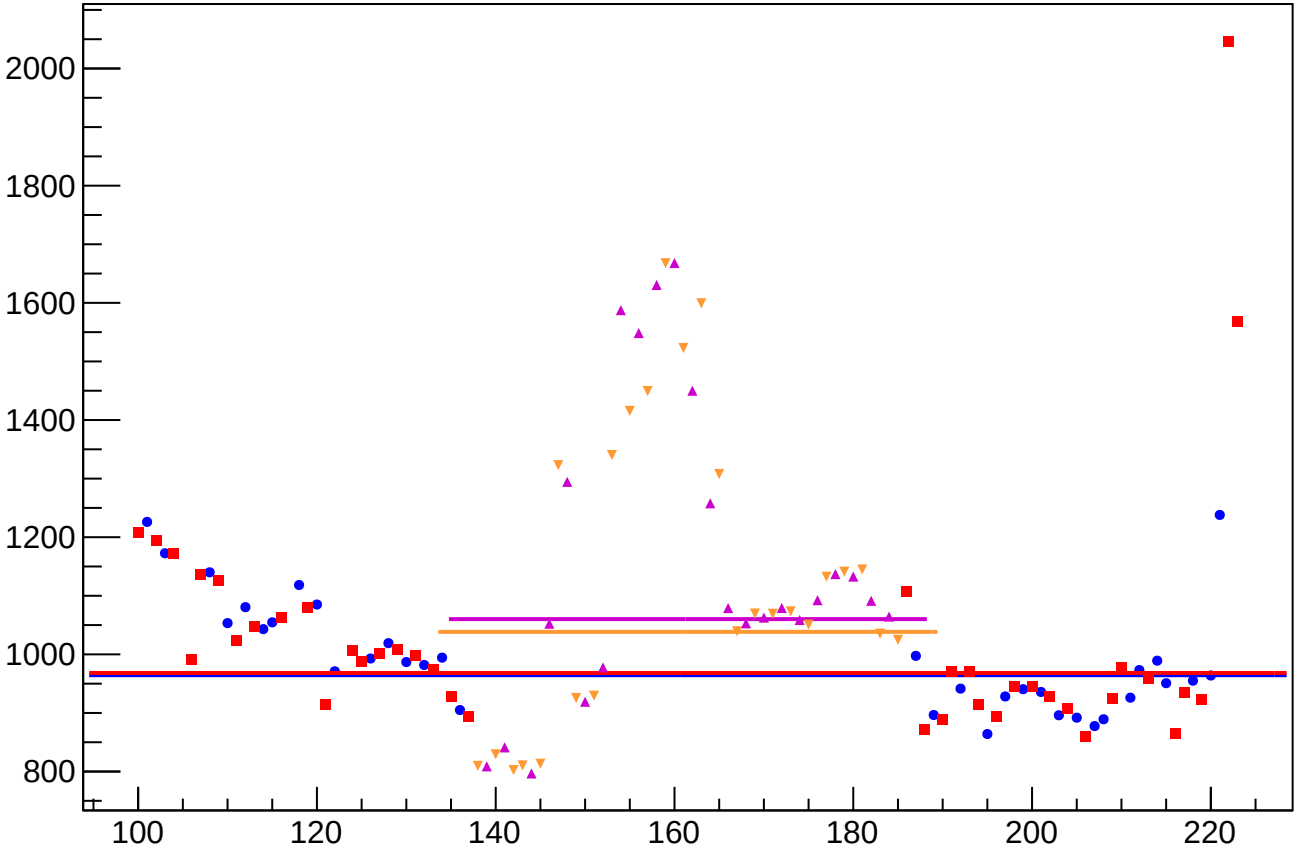
Right: 0.997+/-0.145 χ^2/NDF: 3928.9/72

In: -0.479+/-0.160 χ^2/NDF:998.8/56

Out: 2.441+/-0.156 χ^2/NDF:2962.9/63

All: 1.019+/-0.112 χ^2/NDF: 4131.6/120

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

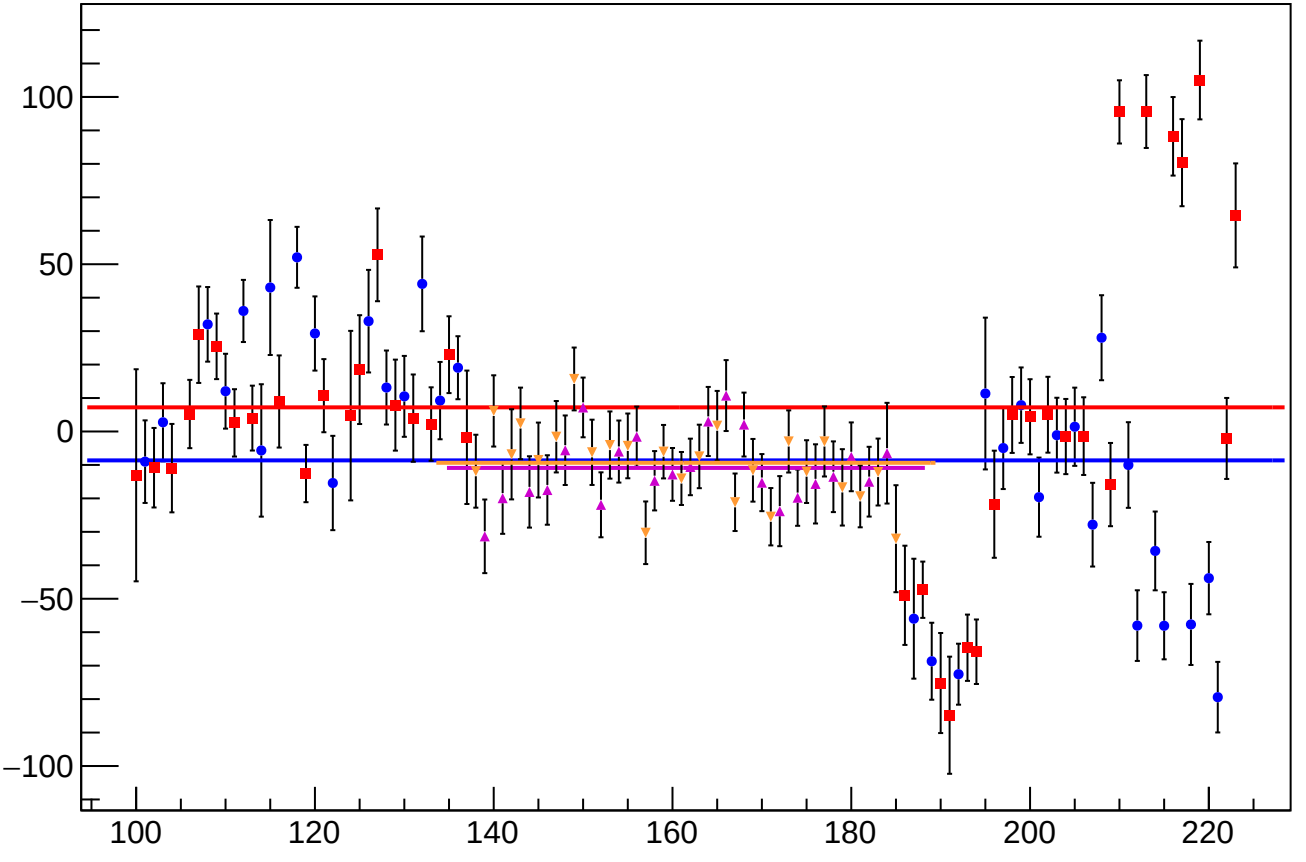
Right: 966.363+/-0.103 χ^2/NDF: 1261557.9/72

In: 1002.463+/-0.113 χ^2/NDF:2053864.1/56

Out: 997.363+/-0.111 χ^2/NDF:2705637.6/63

All: 999.847+/-0.079 χ^2/NDF: 4760538.6/120

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

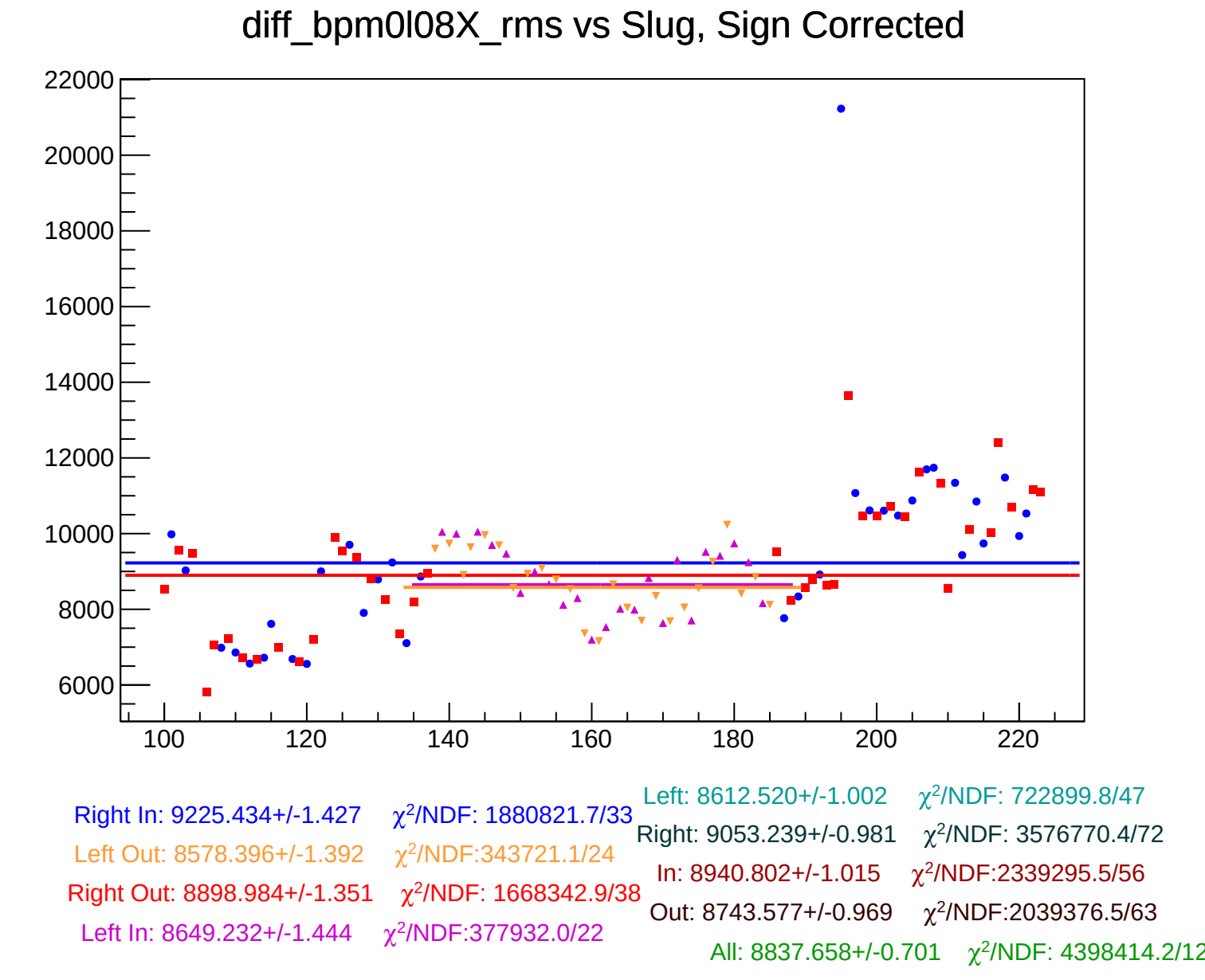
Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

Right: -0.277+/-1.387 χ^2/NDF: 975.6/72

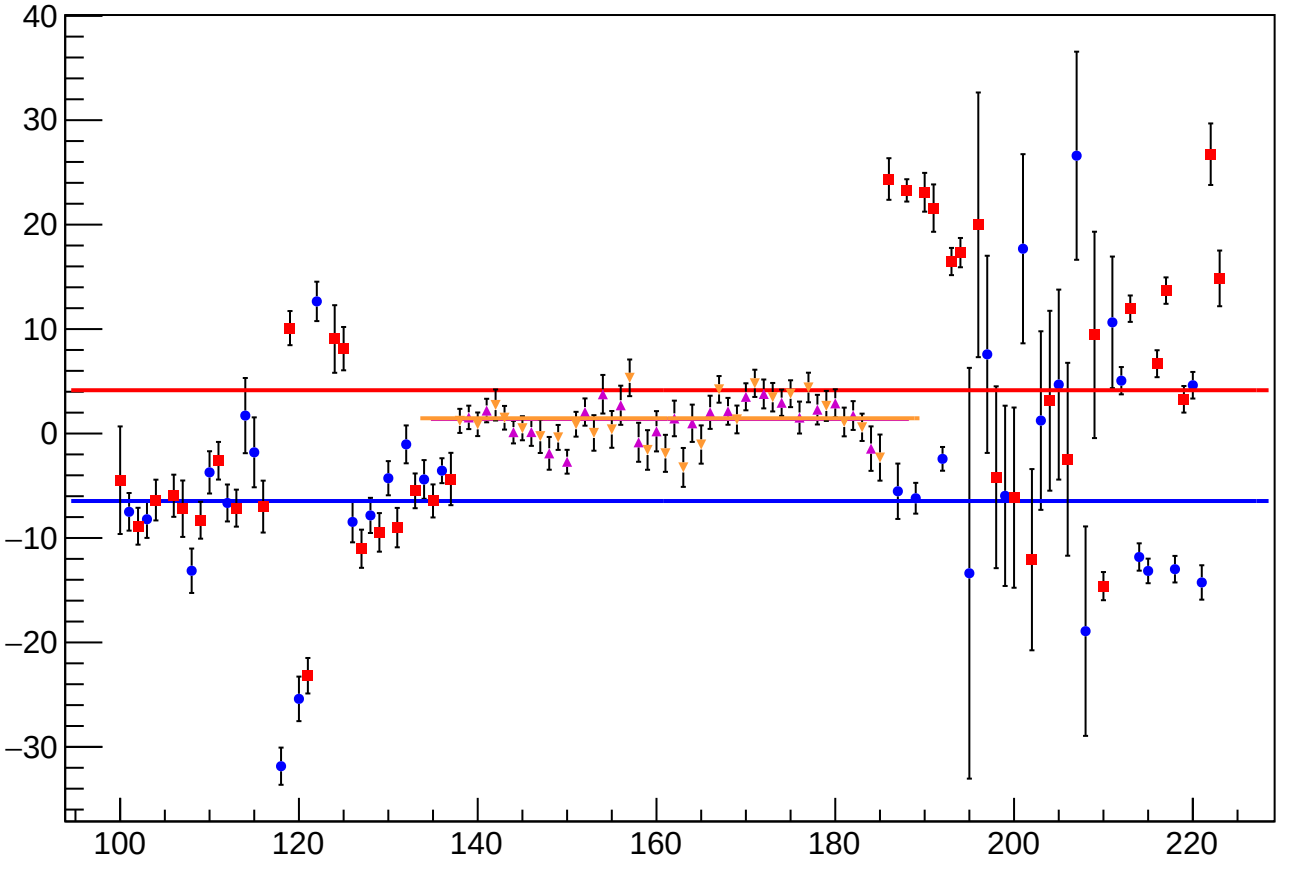
In: -9.752+/-1.436 χ^2/NDF:389.2/56

Out: -0.819+/-1.371 χ^2/NDF:643.0/63

All: -5.080+/-0.991 χ^2/NDF: 1052.4/120


diff_bpm0l08X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 9225.434+/-1.427 χ²/NDF: 1880821.7/33
Left Out: 8578.396+/-1.392 χ²/NDF:343721.1/24
Right Out: 8898.984+/-1.351 χ²/NDF: 1668342.9/38
Left In: 8649.232+/-1.444 χ²/NDF:377932.0/22
Left: 8612.520+/-1.002 χ²/NDF: 722899.8/47
Right: 9053.239+/-0.981 χ²/NDF: 3576770.4/72
In: 8940.802+/-1.015 χ²/NDF:2339295.5/56
Out: 8743.577+/-0.969 χ²/NDF:2039376.5/63
All: 8837.658+/-0.701 χ²/NDF: 4398414.2/12

diff_bpm0l08Y_mean vs Slug, Sign Corrected



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

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

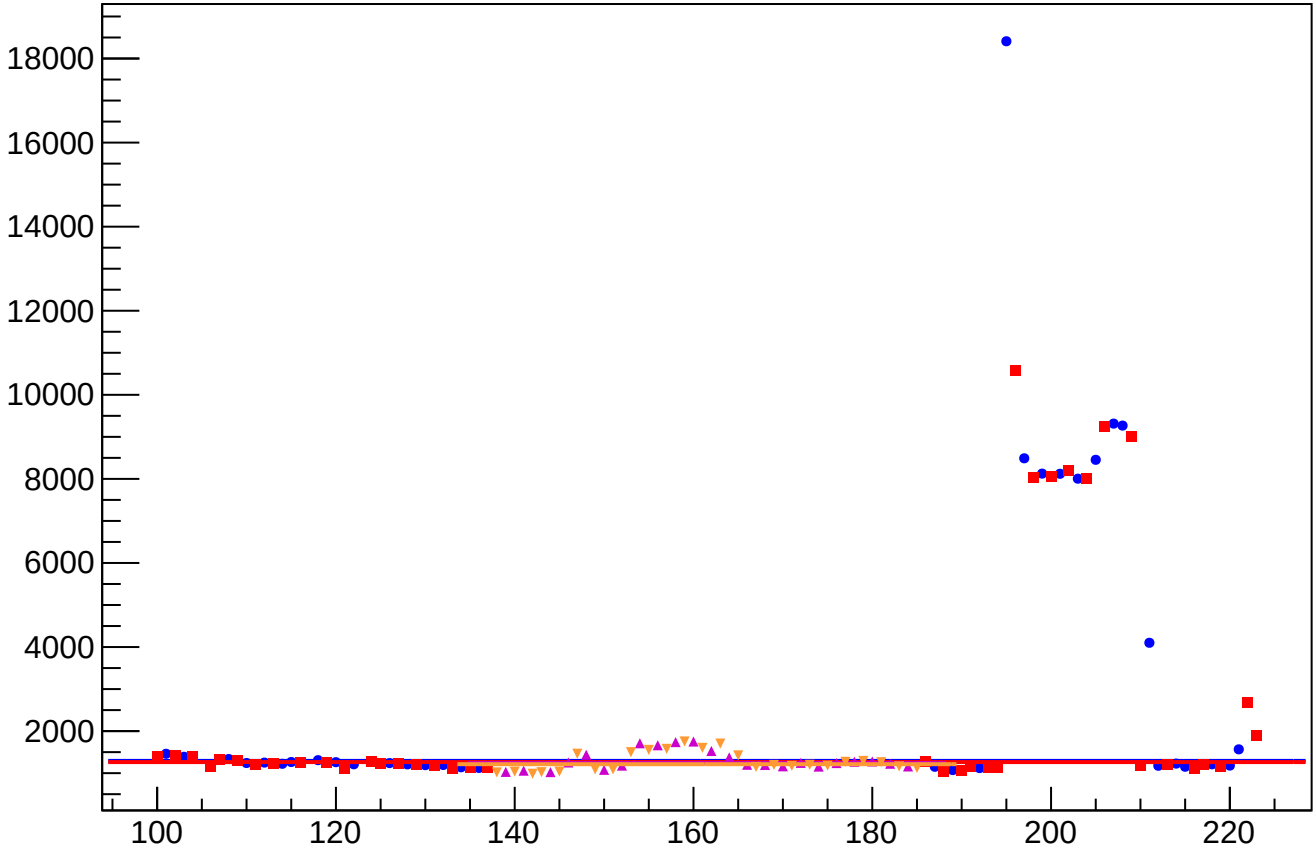
Right: -0.808+/-0.220 χ^2/NDF: 3233.4/72

In: -2.186+/-0.217 χ^2/NDF:1080.2/56

Out: 2.708+/-0.205 χ^2/NDF:2027.3/63

All: 0.398+/-0.149 χ^2/NDF: 3375.7/120

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

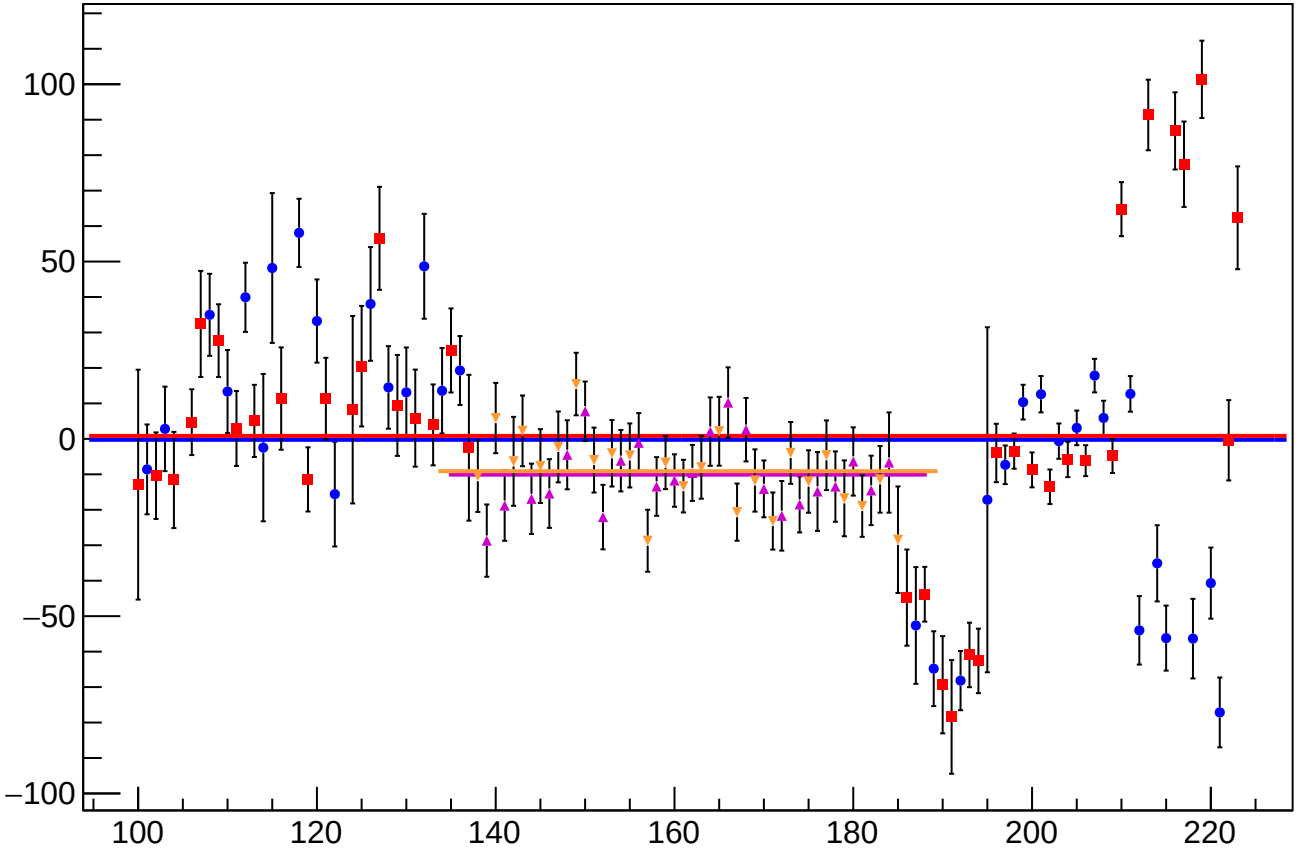
Right: 1276.401+/-0.155 χ^2/NDF: 20474852.9/72

In: 1262.934+/-0.154 χ^2/NDF:11747377.8/56

Out: 1236.511+/-0.145 χ^2/NDF:10675944.5/63

All: 1248.981+/-0.105 χ^2/NDF: 22438960.2/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



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

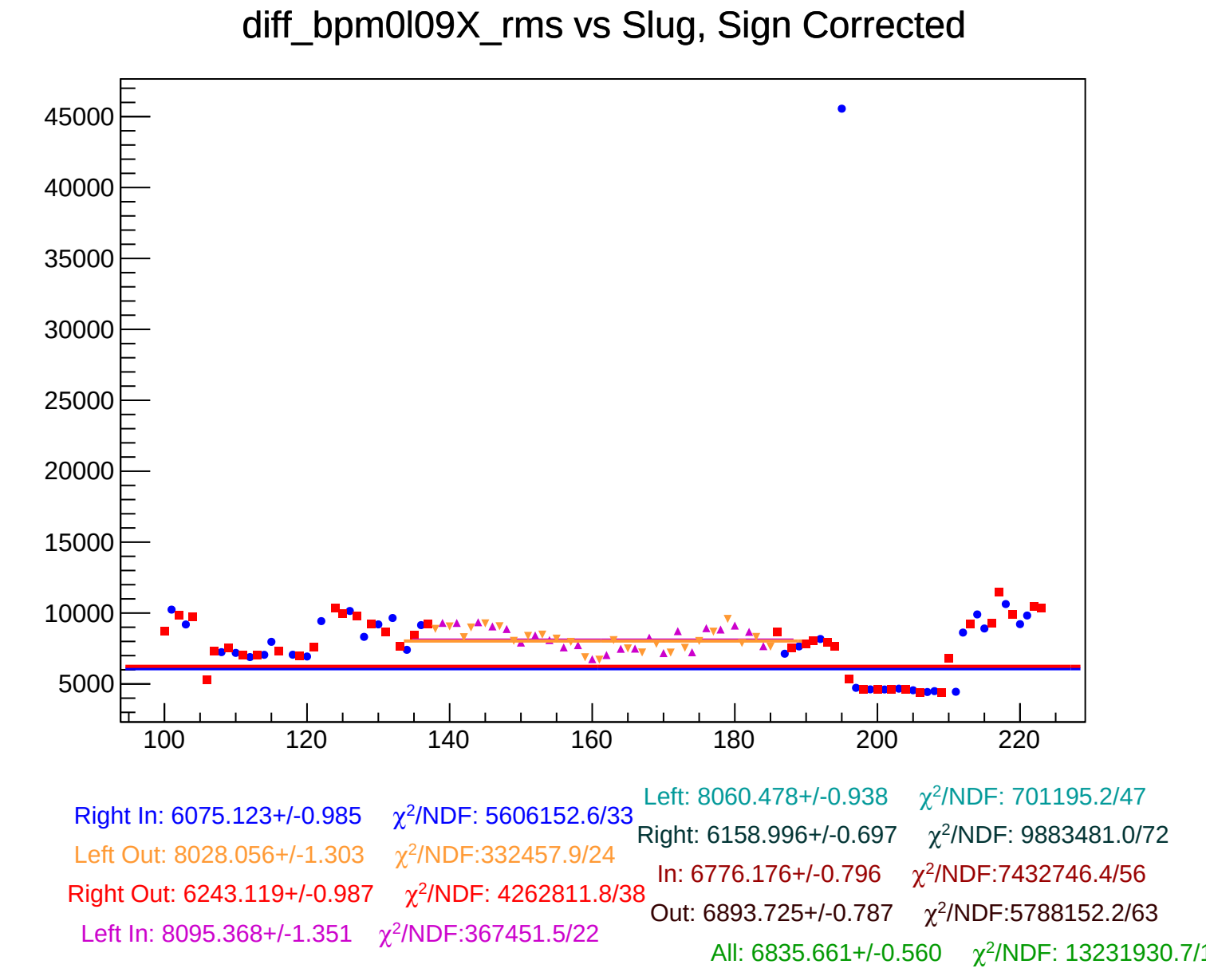
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: 0.282+/-0.986 χ^2/NDF: 1041.5/72

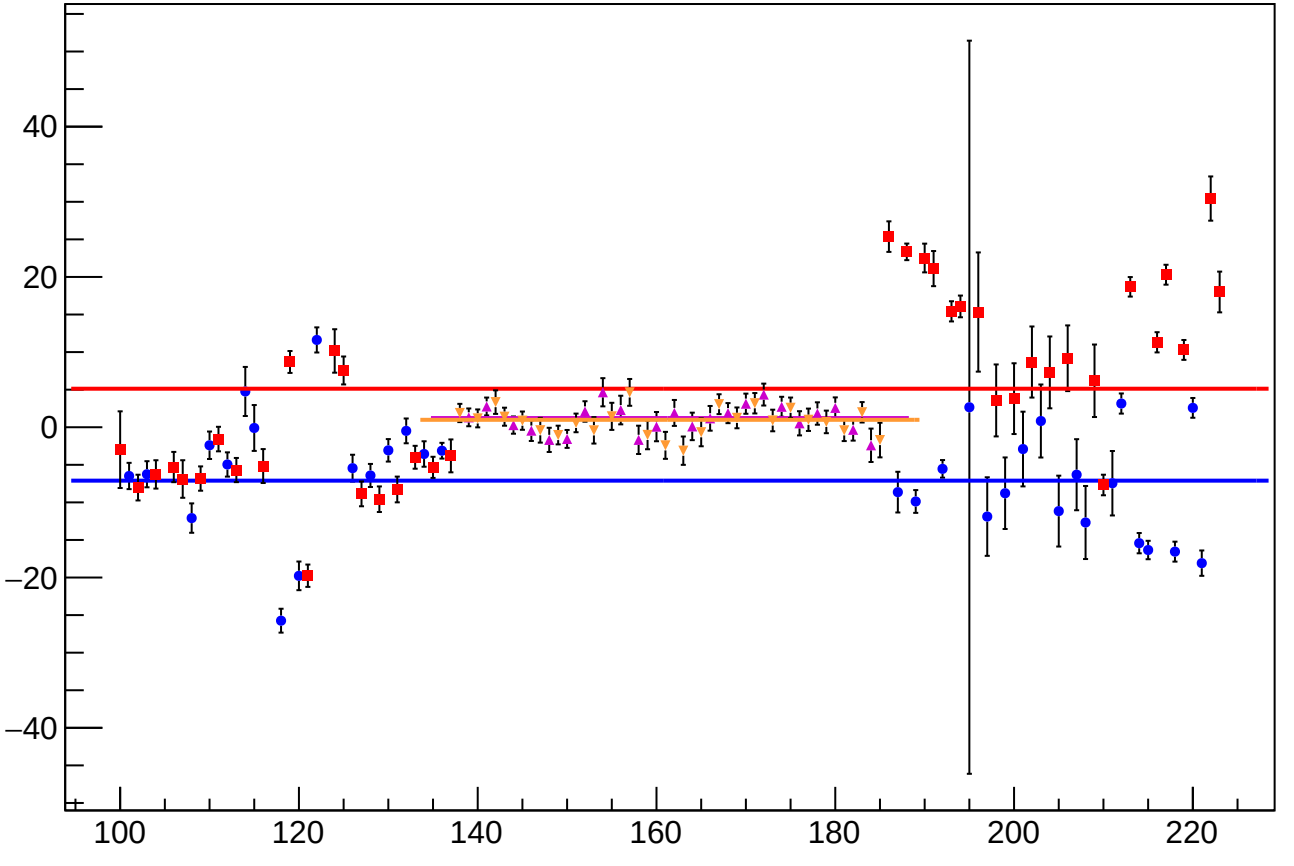
In: -3.680+/-1.126 χ^2/NDF:476.5/56

Out: -2.790+/-1.112 χ^2/NDF:653.6/63

All: -3.230+/-0.791 χ^2/NDF: 1130.4/120


diff_bpm0l09X_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 6075.123+/-0.985 χ²/NDF: 5606152.6/33
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 6243.119+/-0.987 χ²/NDF: 4262811.8/38
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 6158.996+/-0.697 χ²/NDF: 9883481.0/72
In: 6776.176+/-0.796 χ²/NDF:7432746.4/56
Out: 6893.725+/-0.787 χ²/NDF:5788152.2/63
All: 6835.661+/-0.560 χ²/NDF: 13231930.7/

diff_bpm0l09Y_mean vs Slug, Sign Corrected



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

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

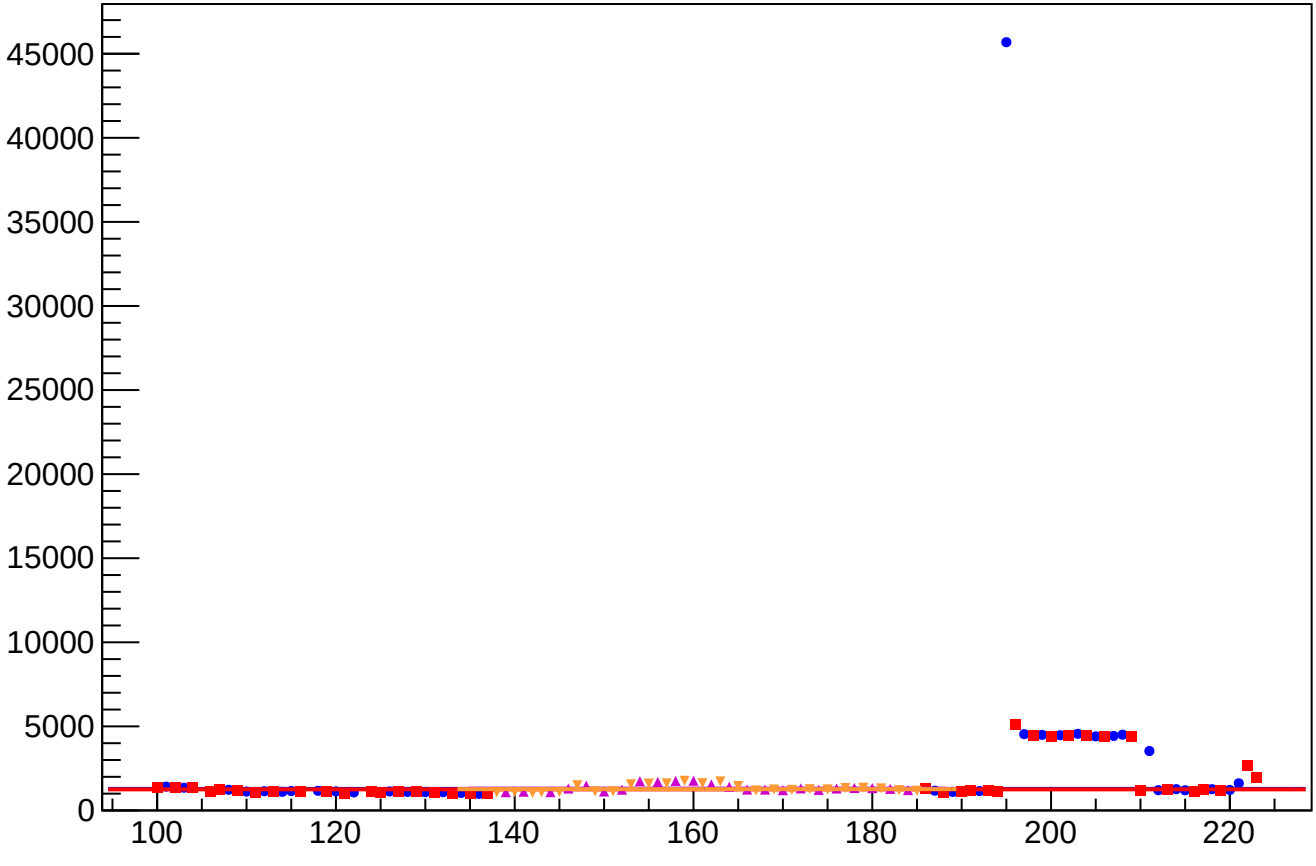
Right: -0.638+/-0.211 χ^2/NDF: 3506.9/72

In: -2.929+/-0.217 χ^2/NDF:1097.3/56

Out: 3.071+/-0.206 χ^2/NDF:2106.1/63

All: 0.229+/-0.149 χ^2/NDF: 3605.1/120

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

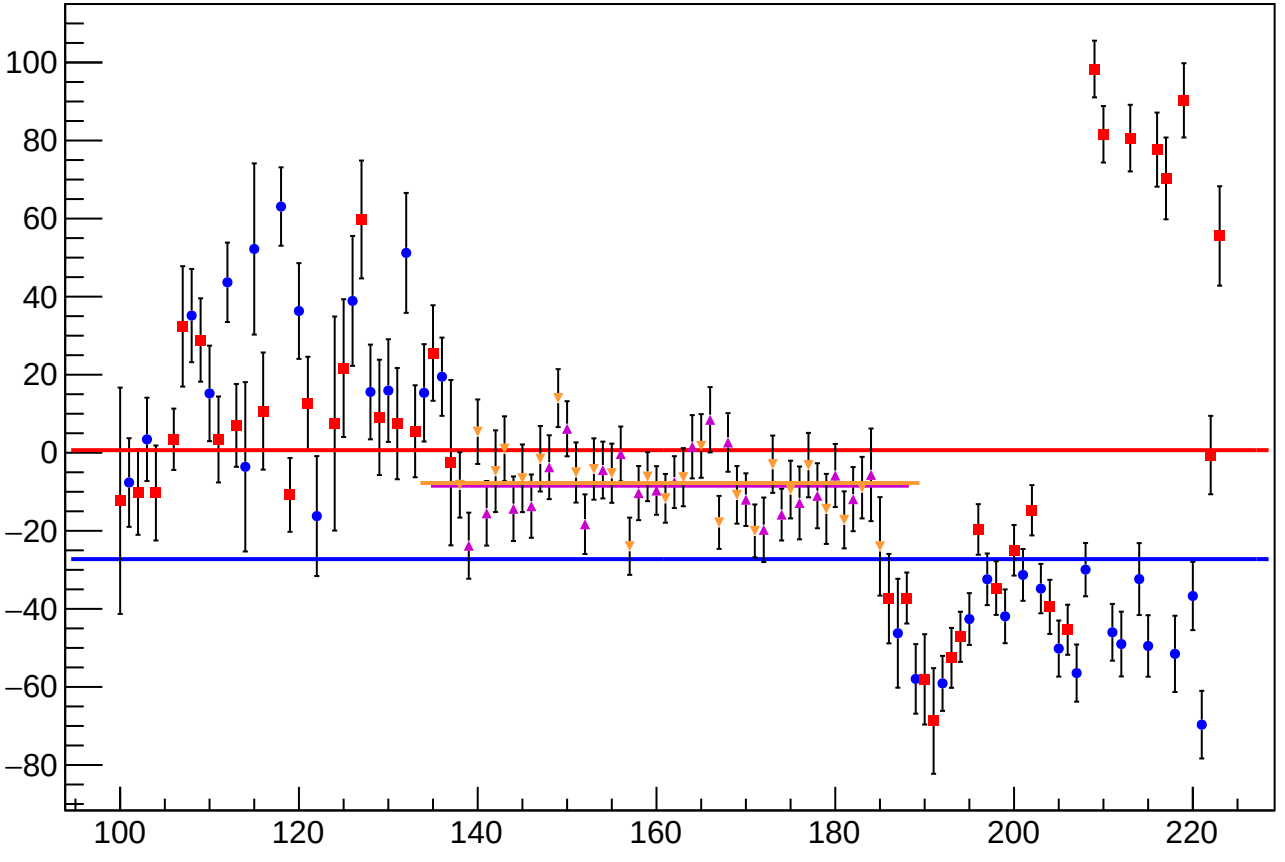
Right: 1267.046+/-0.149 χ^2/NDF: 15870066.7/72

In: 1287.834+/-0.154 χ^2/NDF:9598322.4/56

Out: 1260.722+/-0.146 χ^2/NDF:7903710.6/63

All: 1273.566+/-0.106 χ^2/NDF: 17518437.8/

diff_bpm0l10X_mean vs Slug, Sign Corrected



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

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

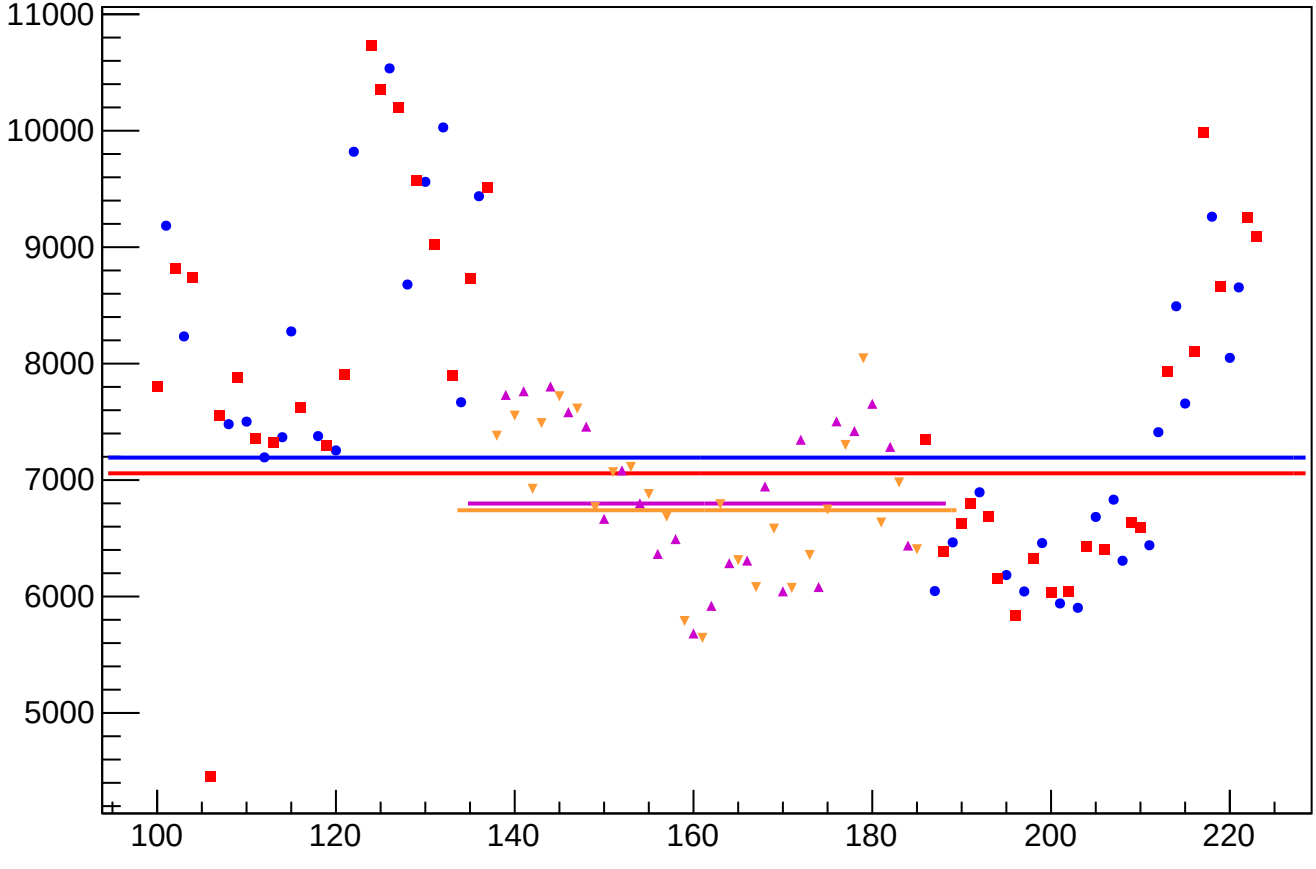
Right: -12.796+/-1.082 χ^2/NDF: 1604.0/72

In: -18.117+/-1.118 χ^2/NDF:541.5/56

Out: -3.427+/-1.078 χ^2/NDF:1037.6/63

All: -10.506+/-0.776 χ^2/NDF: 1668.5/120

diff_bpm0l10X_rms vs Slug, Sign Corrected



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

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

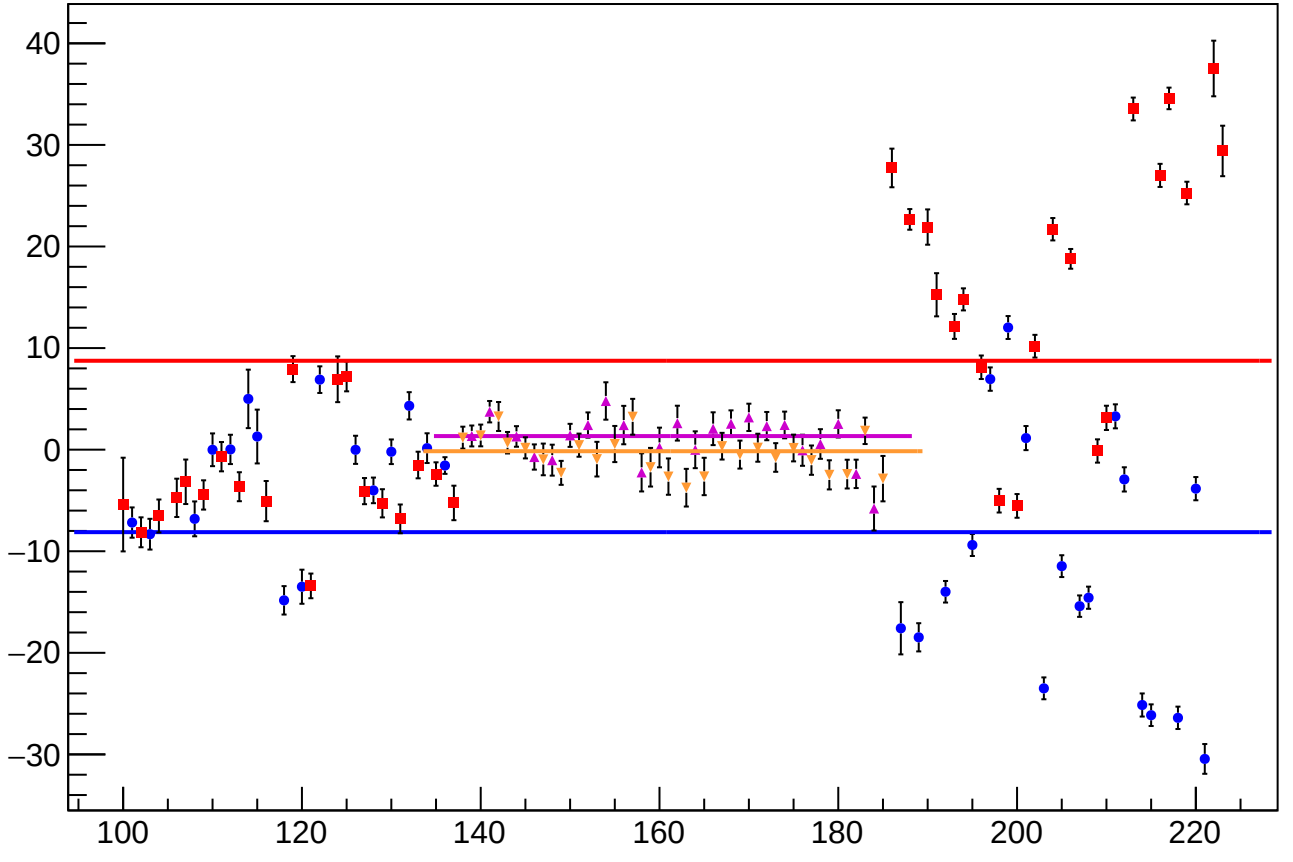
Right: 7123.018+/-0.765 χ^2/NDF: 2524059.5/72

In: 7001.465+/-0.791 χ^2/NDF:1507288.2/56

Out: 6903.738+/-0.762 χ^2/NDF:1784333.7/63

All: 6950.830+/-0.549 χ^2/NDF: 3299537.6/12

diff_bpm0l10Y_mean vs Slug, Sign Corrected



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

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

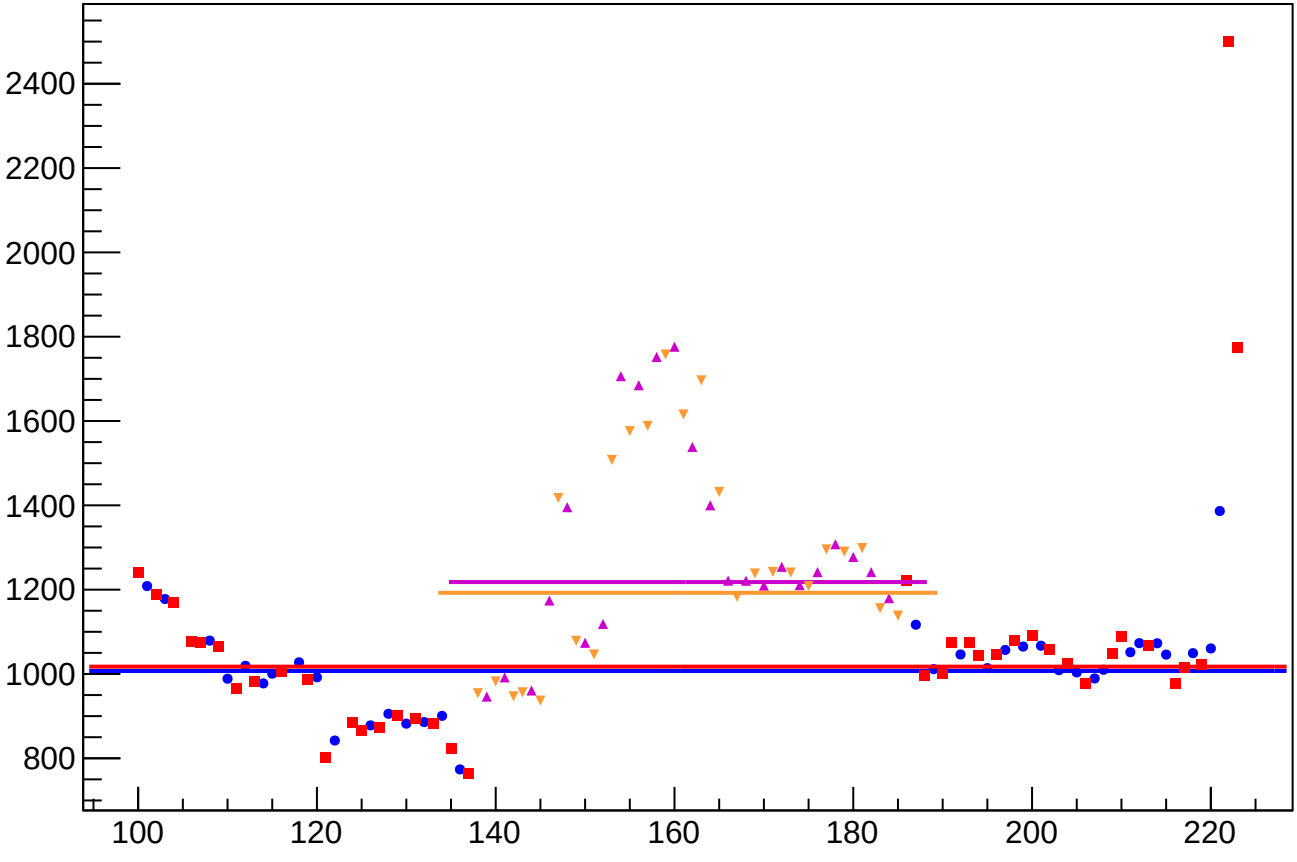
Right: 0.347+/-0.153 χ^2/NDF: 9862.1/72

In: -4.745+/-0.173 χ^2/NDF:3344.4/56

Out: 5.392+/-0.170 χ^2/NDF:4868.7/63

All: 0.424+/-0.121 χ^2/NDF: 9956.7/120

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

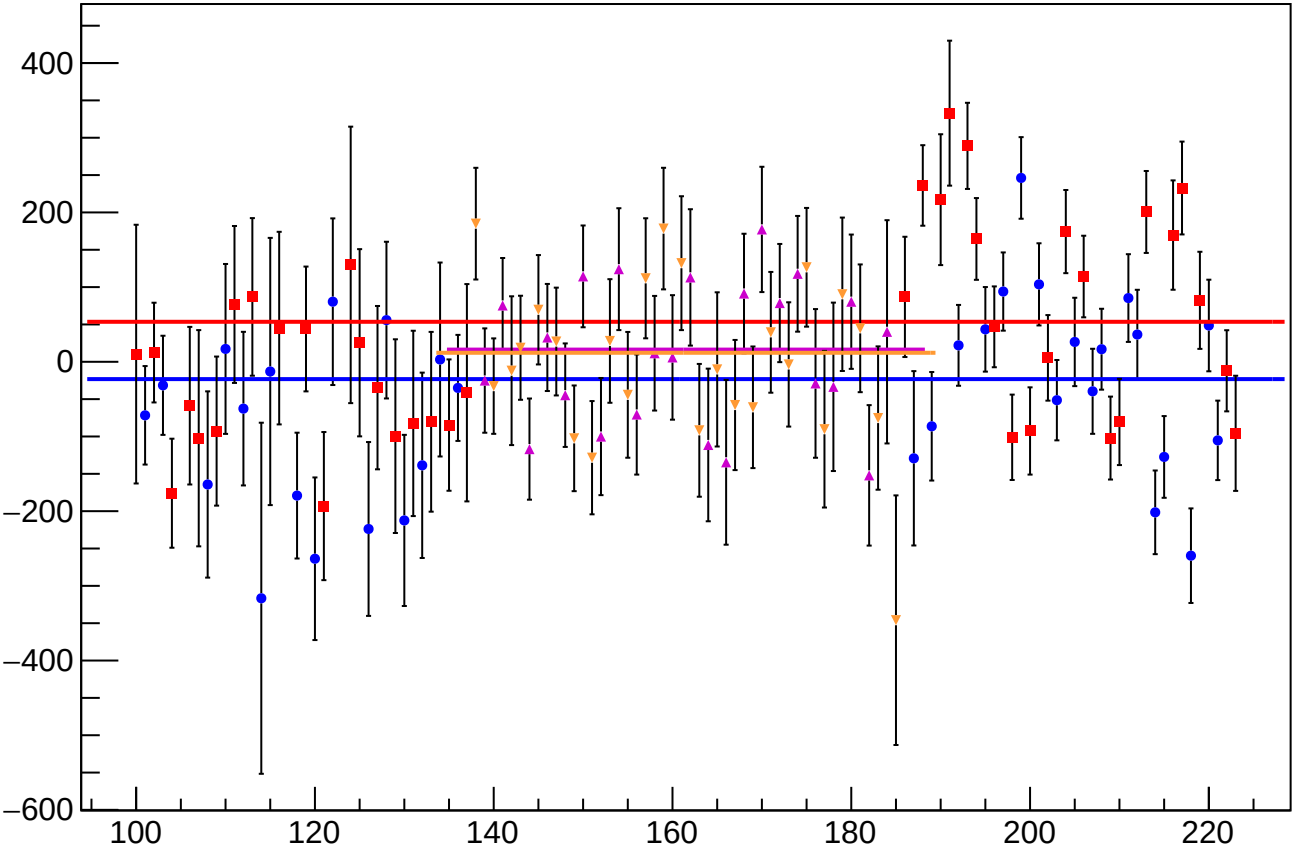
Right: 1012.227+/-0.108 χ^2/NDF: 1688446.7/72

In: 1082.368+/-0.123 χ^2/NDF:2328071.5/56

Out: 1083.467+/-0.120 χ^2/NDF:2985717.5/63

All: 1082.928+/-0.086 χ^2/NDF: 5313829.9/12

diff_bpm0r03X_mean vs Slug, Sign Corrected



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

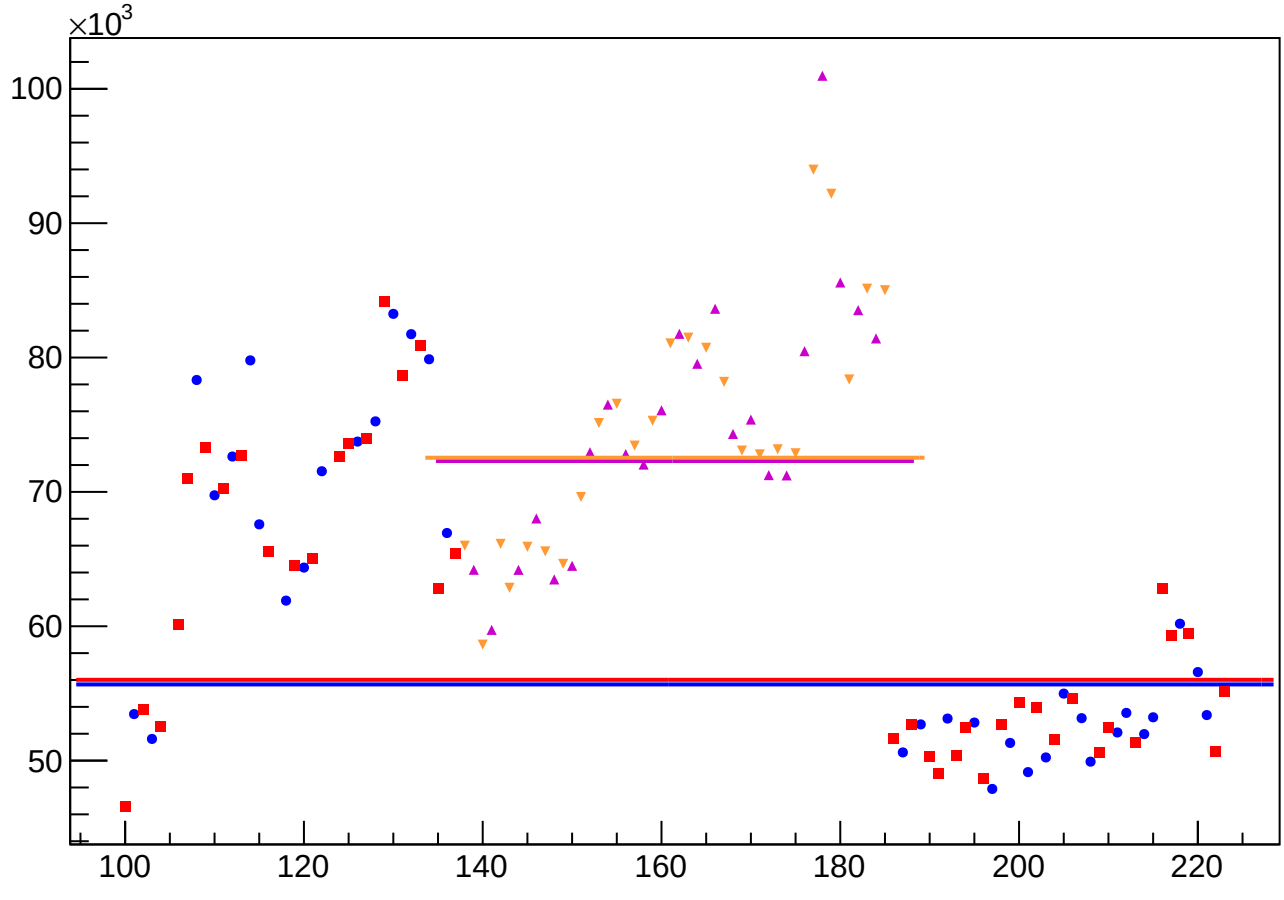
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 15.756+/-8.433 χ^2/NDF: 246.4/72

In: -10.032+/-9.814 χ^2/NDF:128.1/56

Out: 39.588+/-9.641 χ^2/NDF:166.8/63

All: 15.221+/-6.878 χ^2/NDF: 307.9/120



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

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

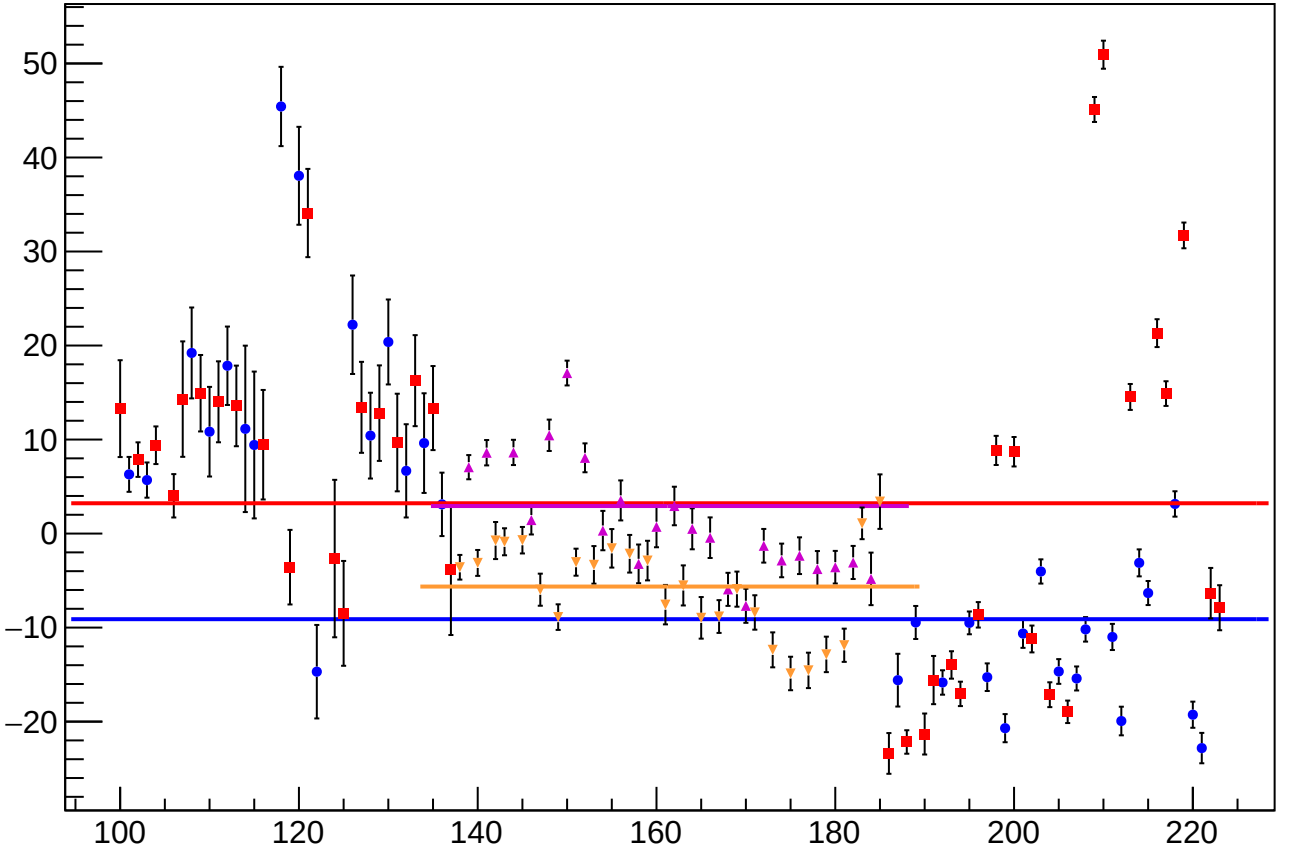
Right: 55844.540+/-5.963 χ^2/NDF: 1702259.6/72

In: 61201.093+/-6.940 χ^2/NDF:2645982.7/56

Out: 61584.434+/-6.817 χ^2/NDF:2632737.1/63

All: 61396.186+/-4.863 χ^2/NDF: 5280272.6/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



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

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

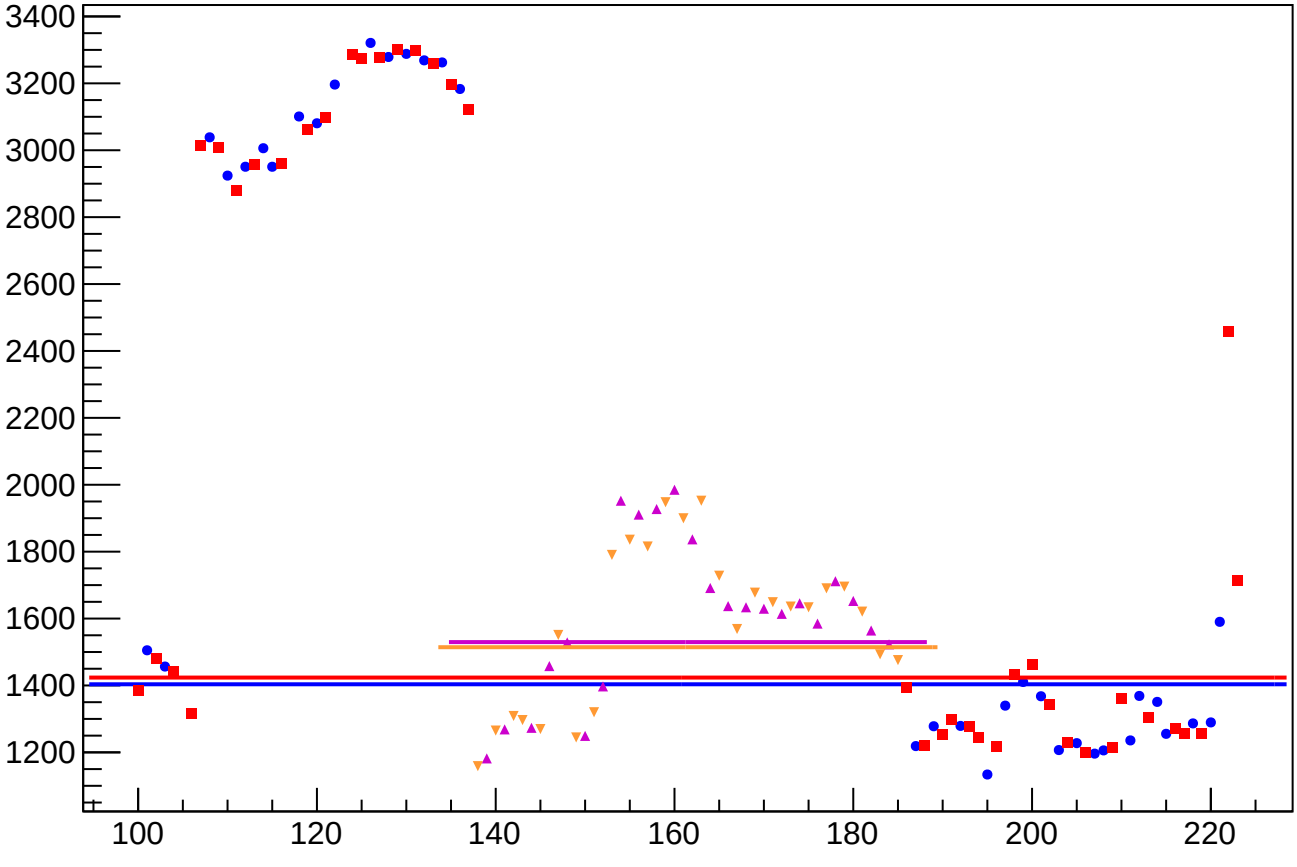
Right: -2.911+/-0.222 χ^2/NDF: 6655.6/72

In: -3.938+/-0.237 χ^2/NDF:2037.6/56

Out: -0.722+/-0.233 χ^2/NDF:5347.3/63

All: -2.299+/-0.166 χ^2/NDF: 7478.4/120

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

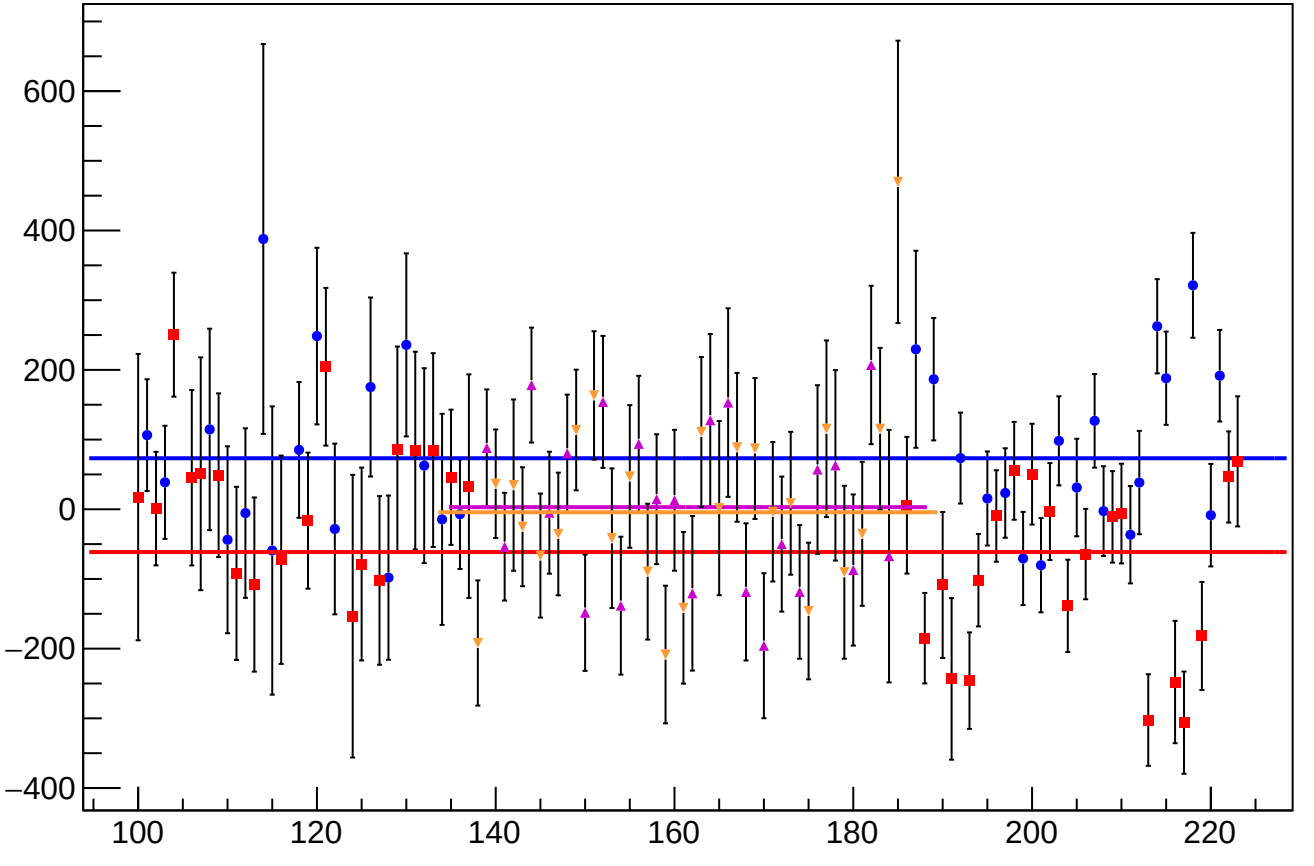
Right: 1413.614+/-0.157 χ^2/NDF: 8437806.5/72

In: 1457.686+/-0.168 χ^2/NDF:5094399.8/56

Out: 1464.011+/-0.165 χ^2/NDF:5314347.2/63

All: 1460.909+/-0.118 χ^2/NDF: 10409470.2/1

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

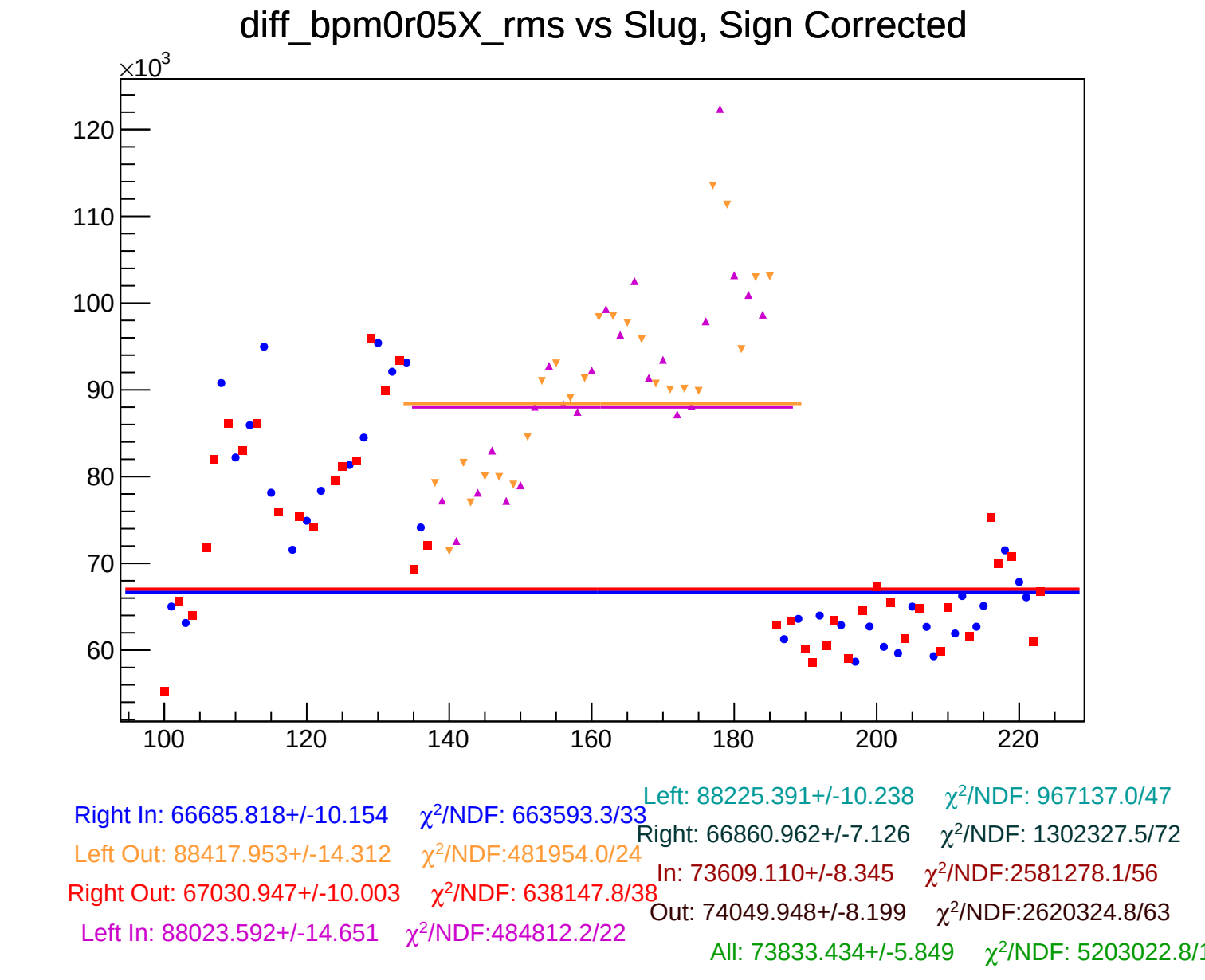
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 4.911+/-10.078 χ^2/NDF: 187.0/72

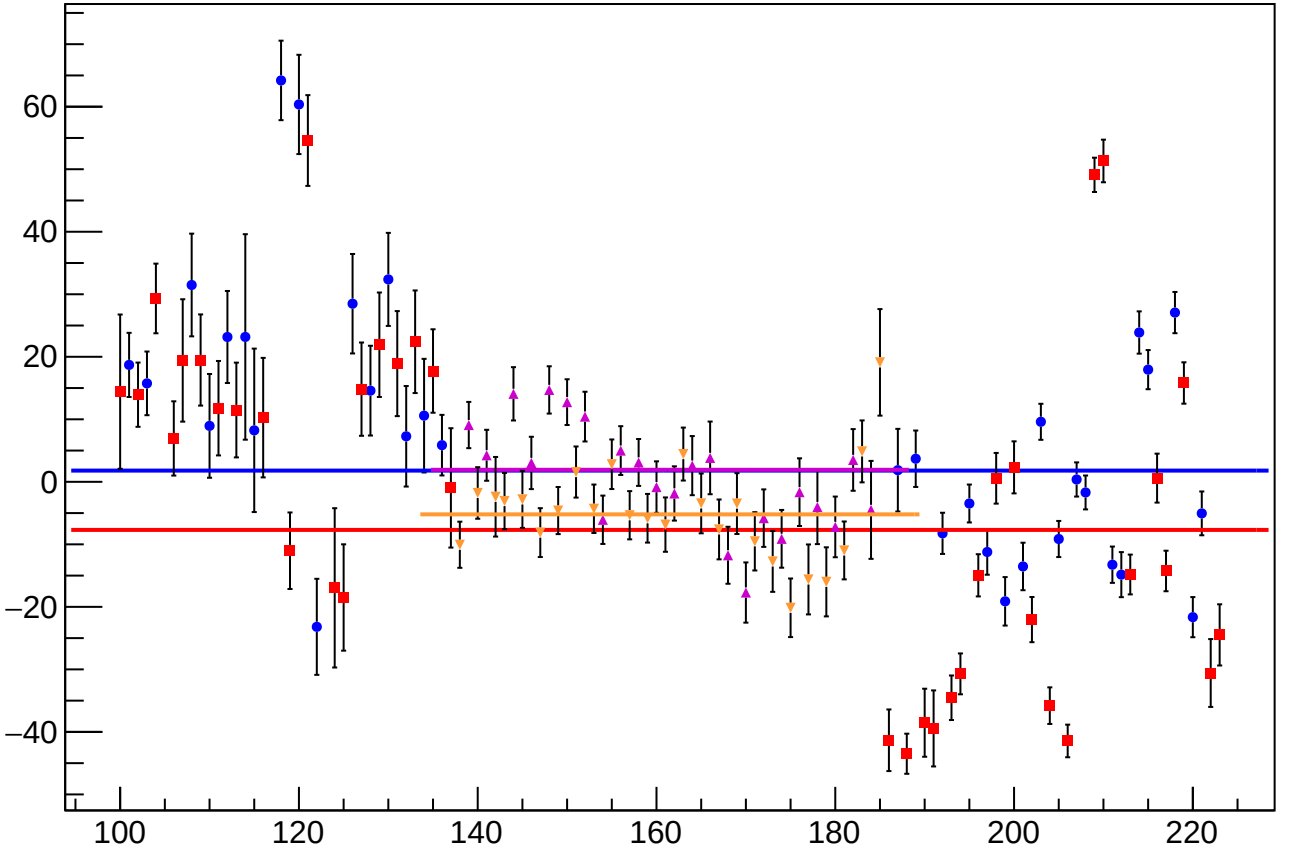
In: 50.439+/-11.802 χ^2/NDF:95.4/56

Out: -42.640+/-11.595 χ^2/NDF:121.3/63

All: 3.075+/-8.271 χ^2/NDF: 248.4/120


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
220
Right In: 66685.818+/-10.154 χ²/NDF: 663593.3/33
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67030.947+/-10.003 χ²/NDF: 638147.8/38
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 66860.962+/-7.126 χ²/NDF: 1302327.5/72
In: 73609.110+/-8.345 χ²/NDF:2581278.1/56
Out: 74049.948+/-8.199 χ²/NDF:2620324.8/63
All: 73833.434+/-5.849 χ²/NDF: 5203022.8/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

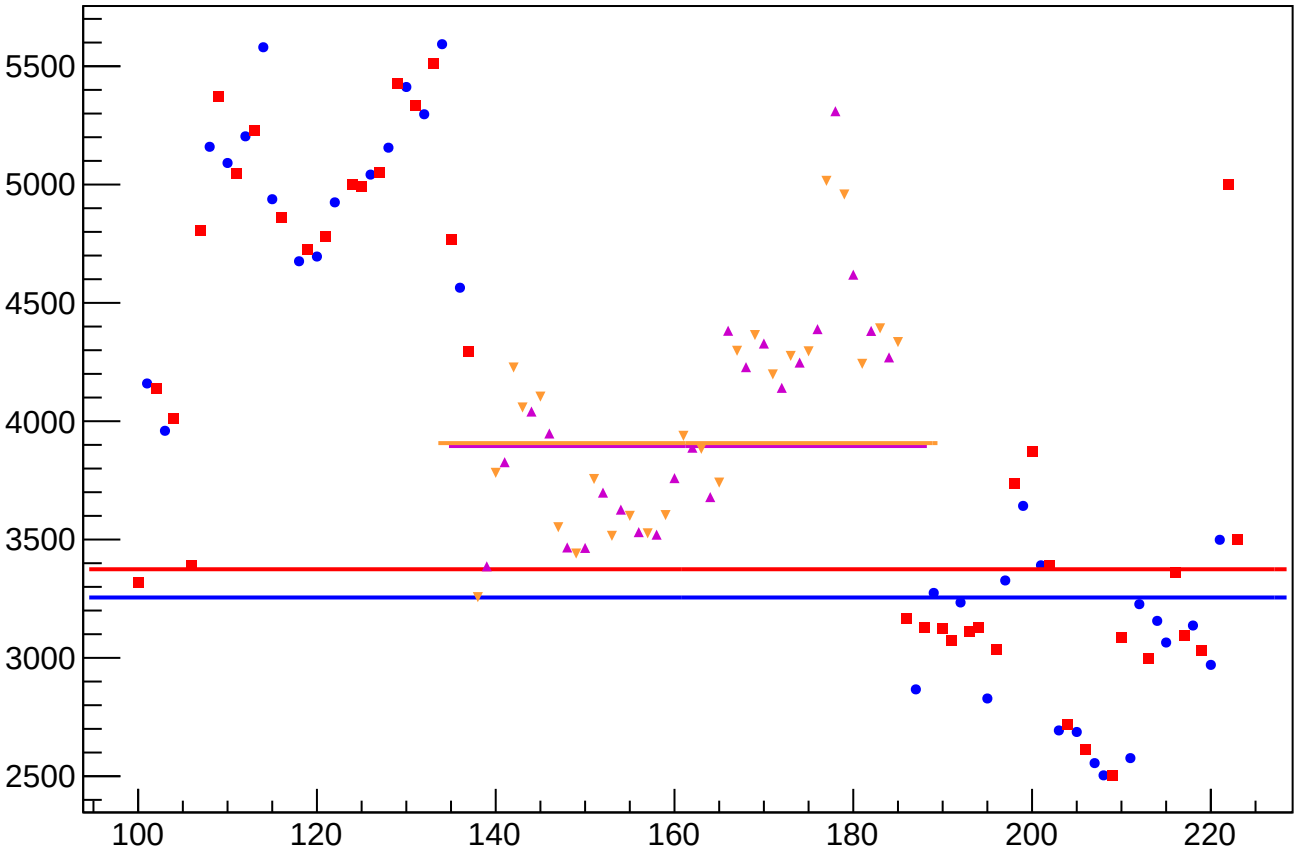
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -2.873+/-0.508 χ^2/NDF: 2346.7/72

In: 1.844+/-0.563 χ^2/NDF:648.1/56

Out: -6.705+/-0.563 χ^2/NDF:1750.4/63

All: -2.430+/-0.398 χ^2/NDF: 2513.9/120



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

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

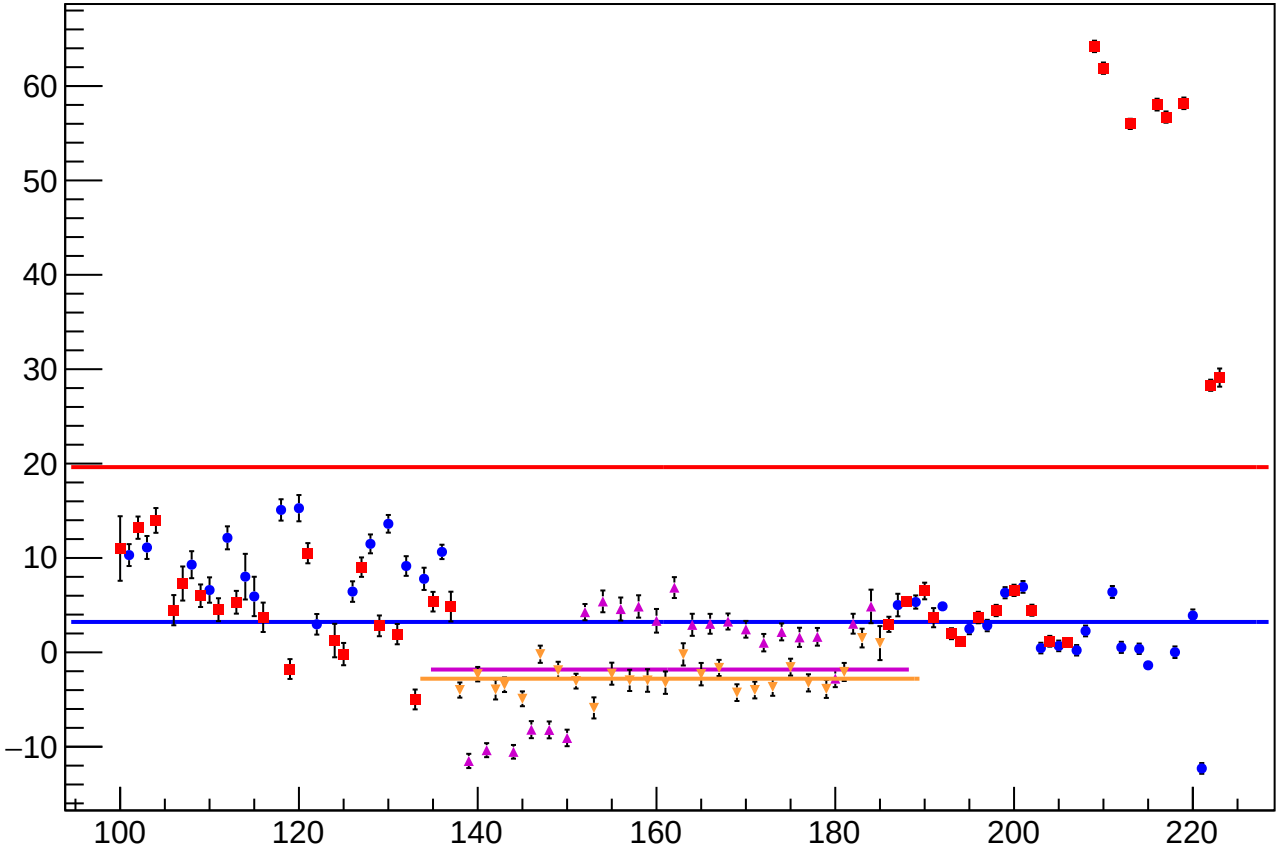
Right: 3313.877+/-0.360 χ^2/NDF: 4499178.6/72

In: 3496.686+/-0.398 χ^2/NDF:3267805.2/56

Out: 3585.888+/-0.398 χ^2/NDF:3091402.9/63

All: 3541.283+/-0.281 χ^2/NDF: 6384317.9/12

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

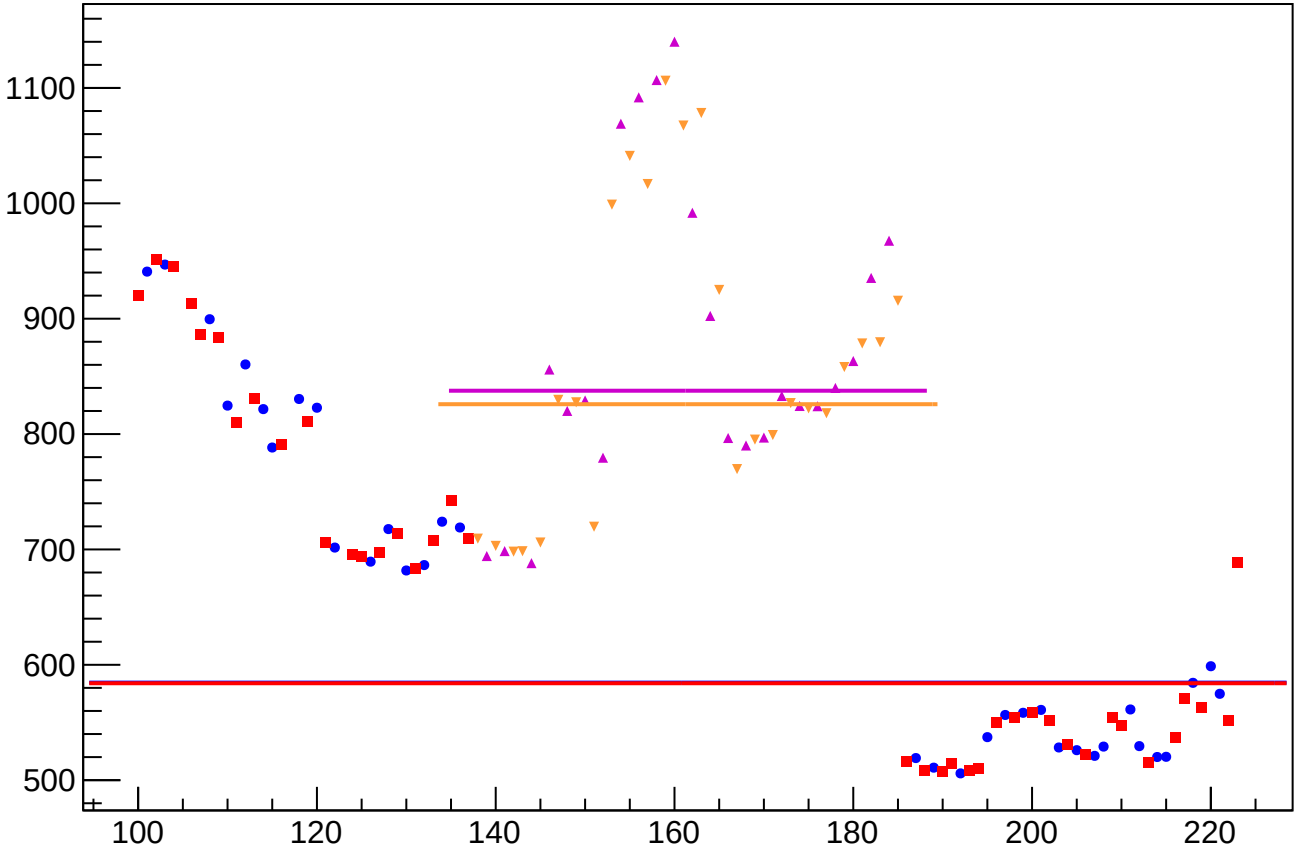
Right: 11.581+/-0.088 χ^2/NDF: 48843.4/72

In: 1.766+/-0.106 χ^2/NDF:3257.5/56

Out: 12.945+/-0.104 χ^2/NDF:48302.2/63

All: 7.500+/-0.074 χ^2/NDF: 57213.3/120

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

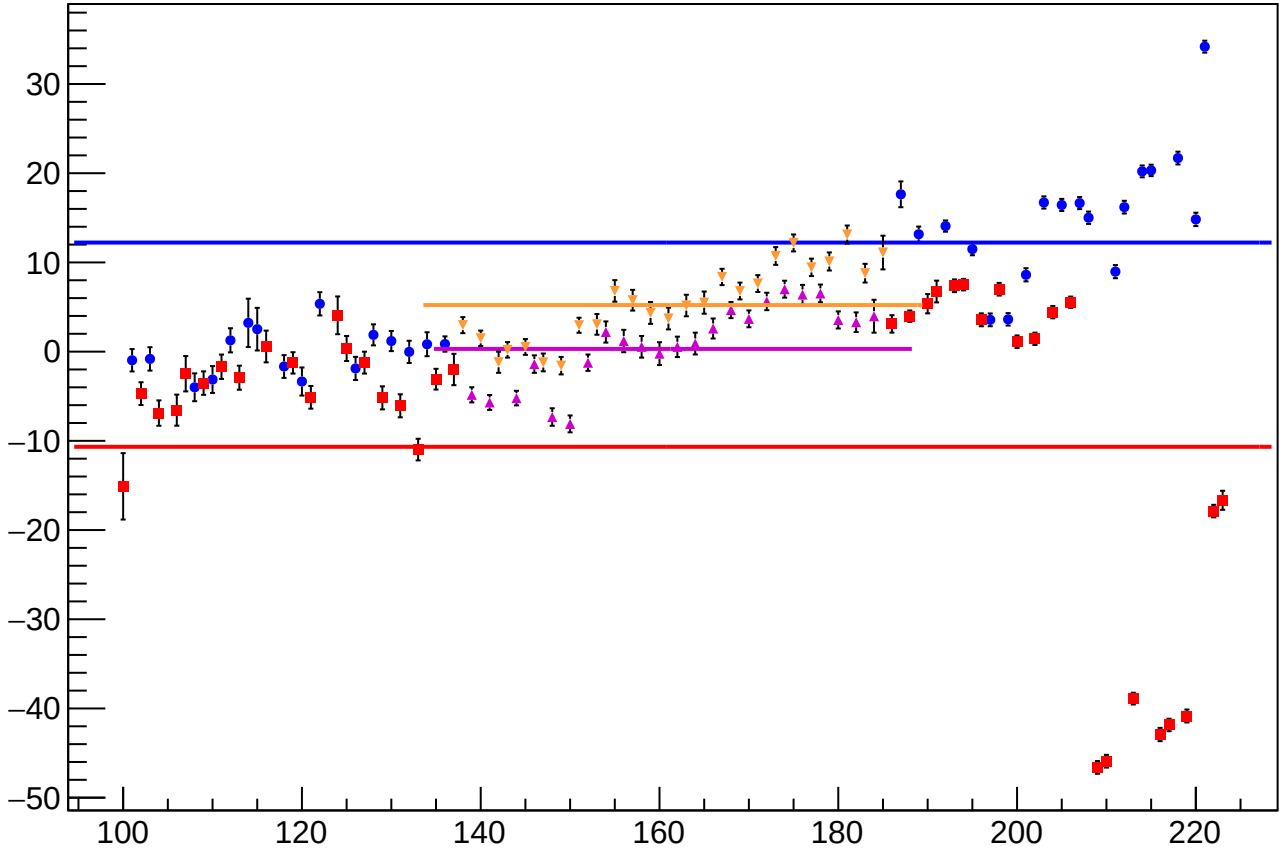
Right: 584.284+/-0.063 χ^2/NDF: 2723865.1/72

In: 657.600+/-0.075 χ^2/NDF:4326568.5/56

Out: 656.094+/-0.073 χ^2/NDF:4468904.1/63

All: 656.827+/-0.053 χ^2/NDF: 8795677.8/120

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

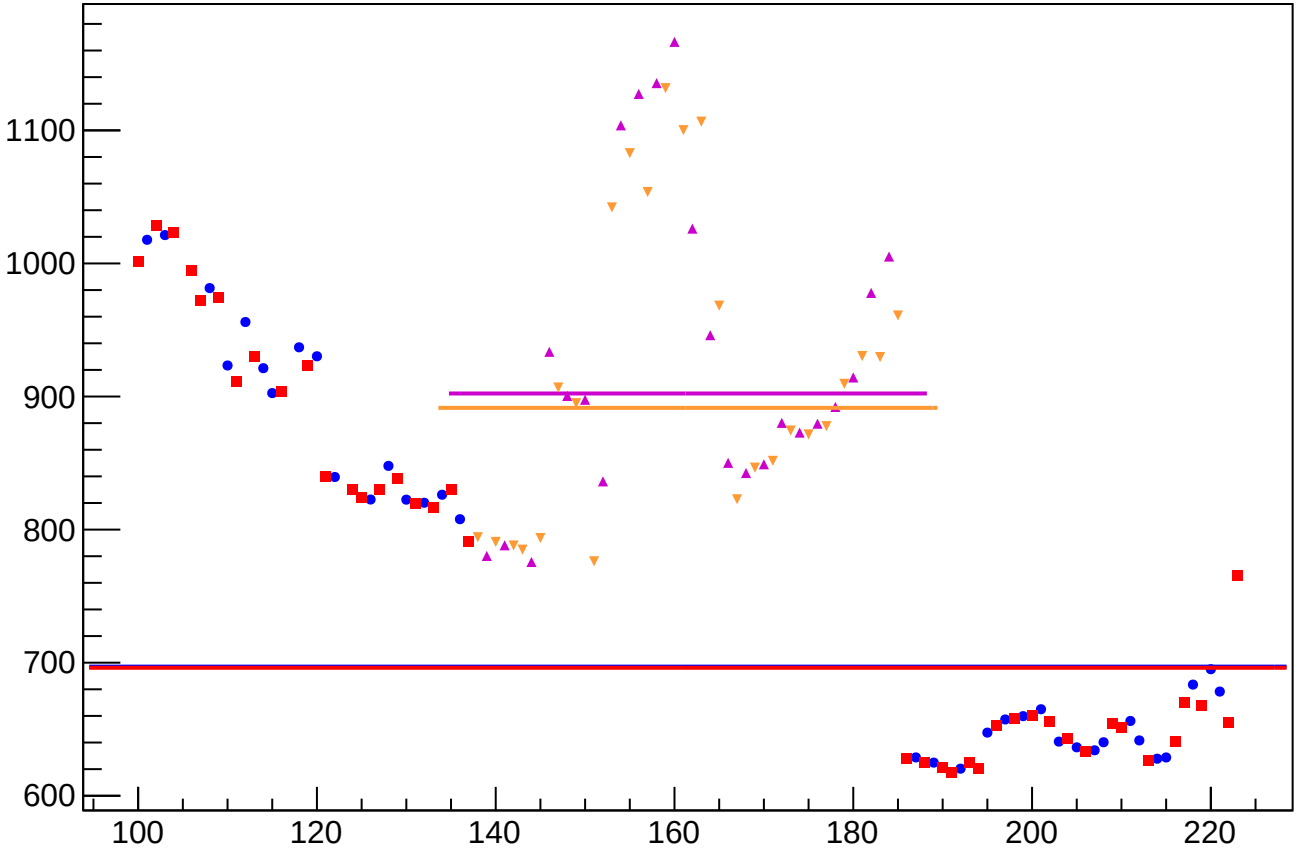
Right: 0.551+/-0.105 χ^2/NDF: 33754.3/72

In: 8.266+/-0.123 χ^2/NDF:6084.1/56

Out: -5.251+/-0.119 χ^2/NDF:22811.5/63

All: 1.328+/-0.085 χ^2/NDF: 35139.9/120

diff_bpm2i01Y_rms vs Slug, Sign Corrected



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

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

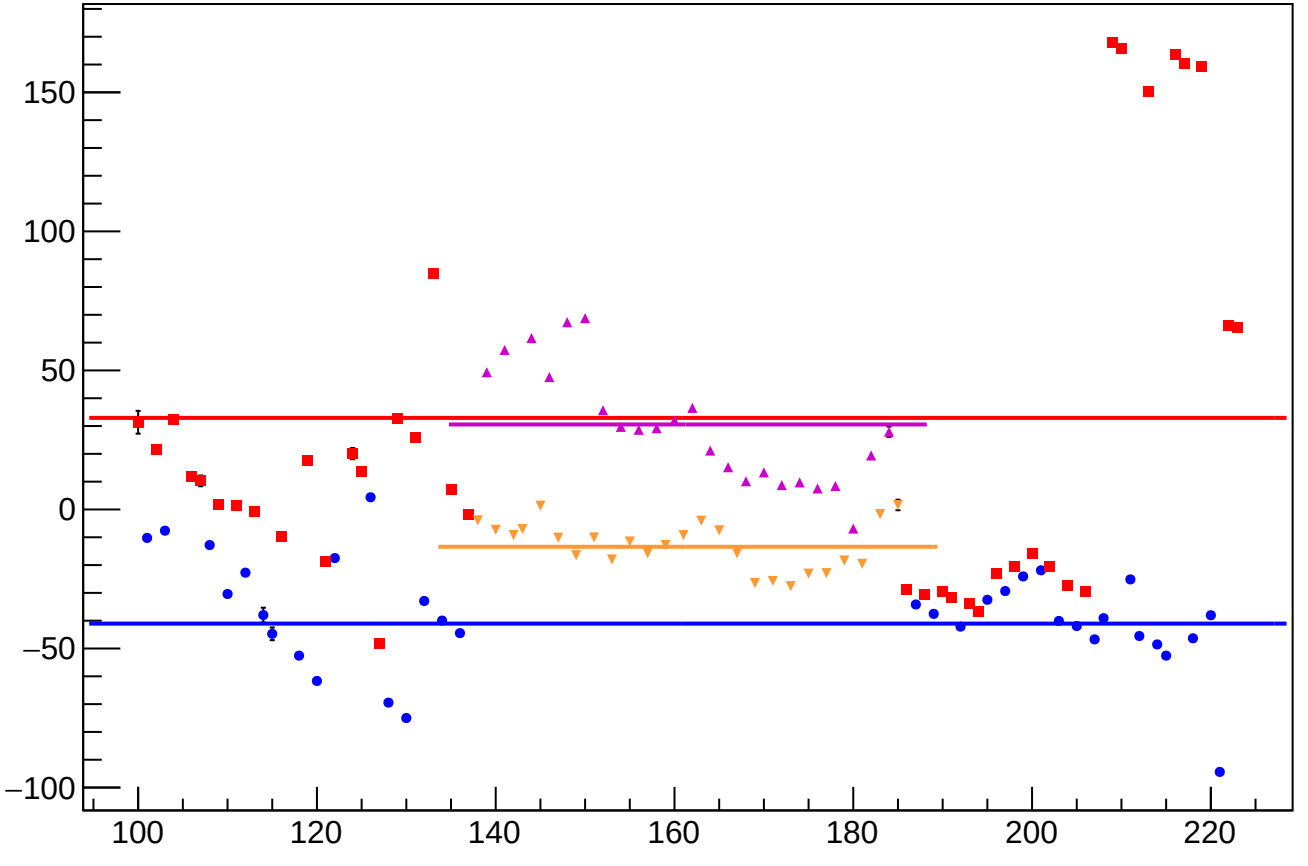
Right: 696.599+/-0.074 χ^2/NDF: 1998158.7/72

In: 765.200+/-0.087 χ^2/NDF:2680631.7/56

Out: 762.780+/-0.084 χ^2/NDF:2768428.5/63

All: 763.958+/-0.060 χ^2/NDF: 5449460.4/120

diff_bpm2i02X_mean vs Slug, Sign Corrected



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

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

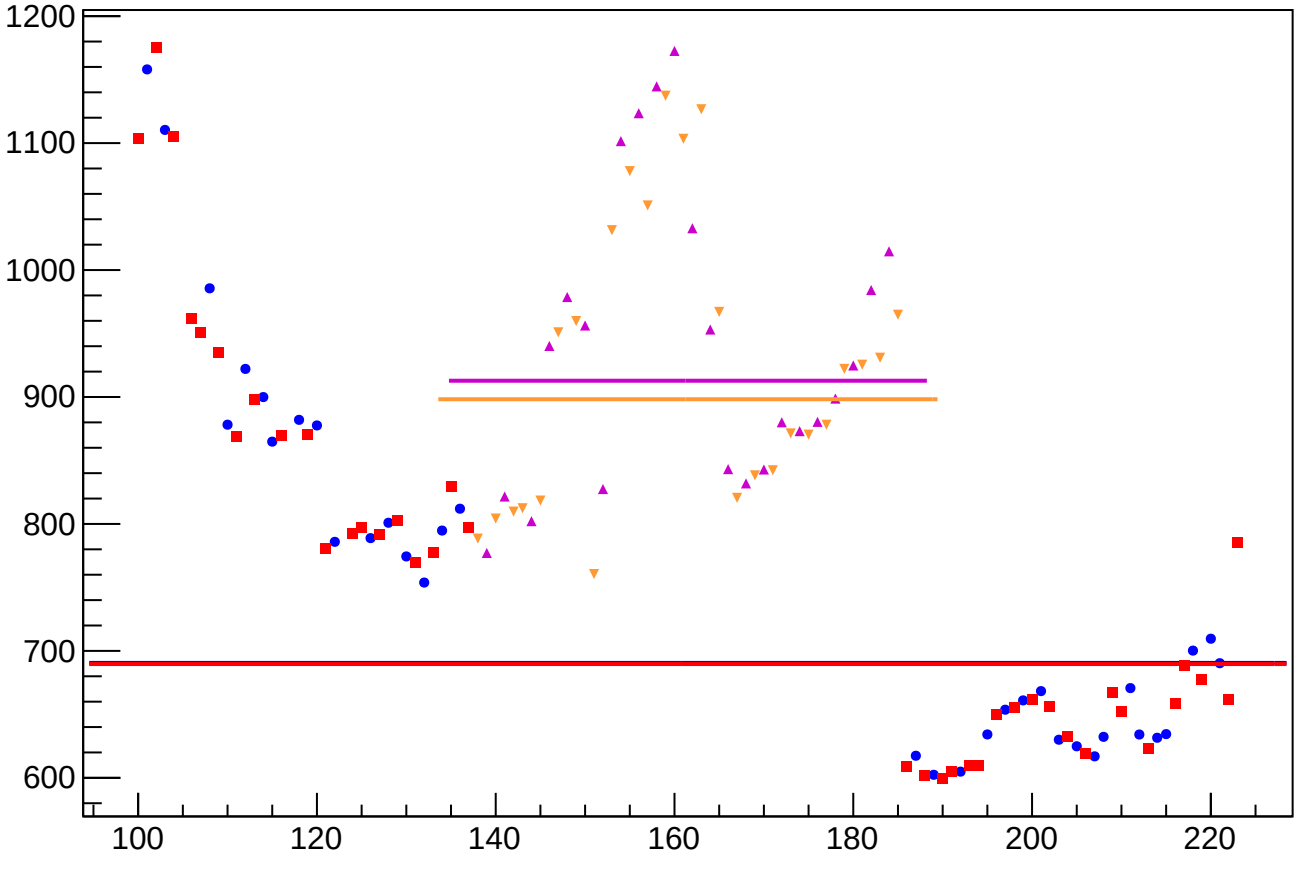
Right: -3.319+/-0.104 χ^2/NDF: 430856.4/72

In: -17.923+/-0.122 χ^2/NDF:99612.7/56

Out: 17.480+/-0.119 χ^2/NDF:325648.8/63

All: 0.270+/-0.085 χ^2/NDF: 468346.3/120

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

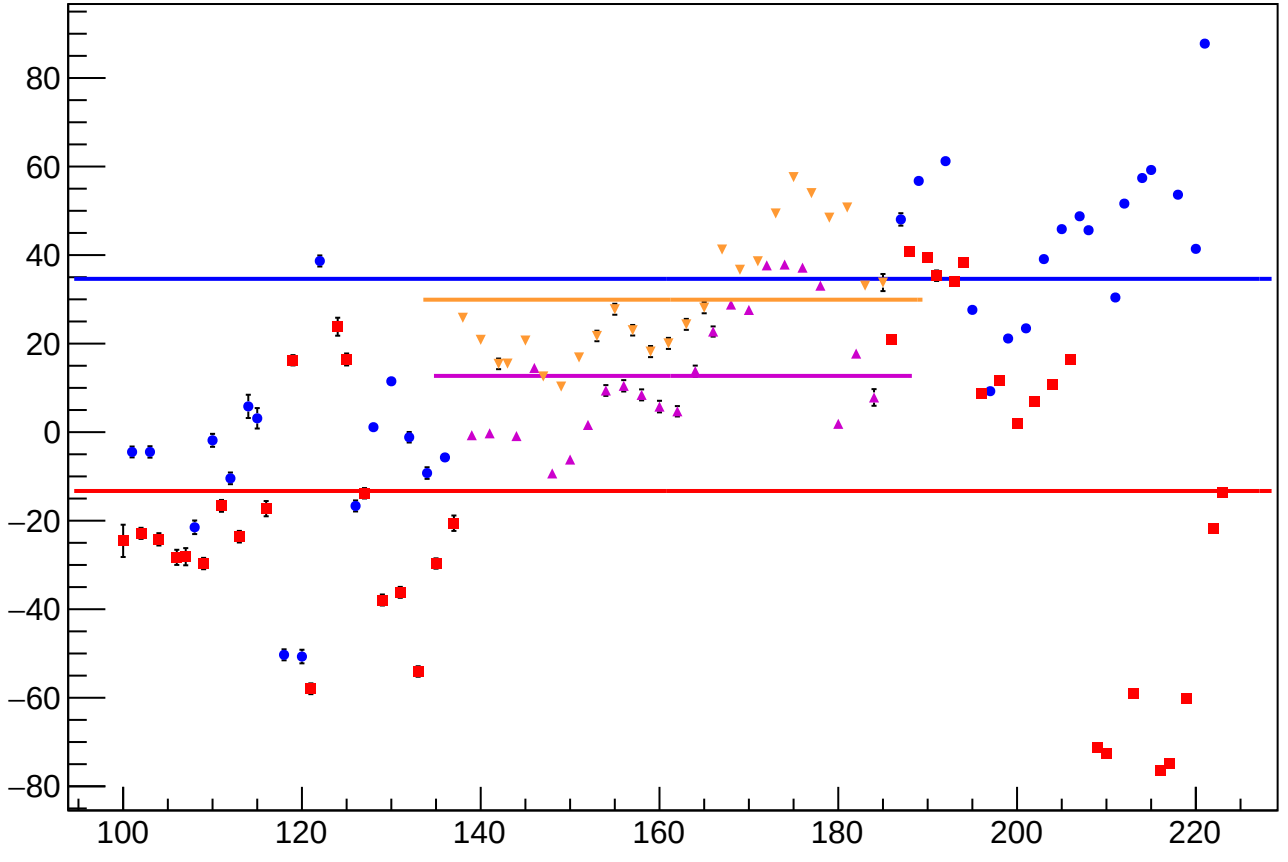
Right: 690.071+/-0.074 χ^2/NDF: 2072885.2/72

In: 762.300+/-0.086 χ^2/NDF:2916224.0/56

Out: 759.179+/-0.084 χ^2/NDF:2967910.5/63

All: 760.696+/-0.060 χ^2/NDF: 5884804.3/120

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

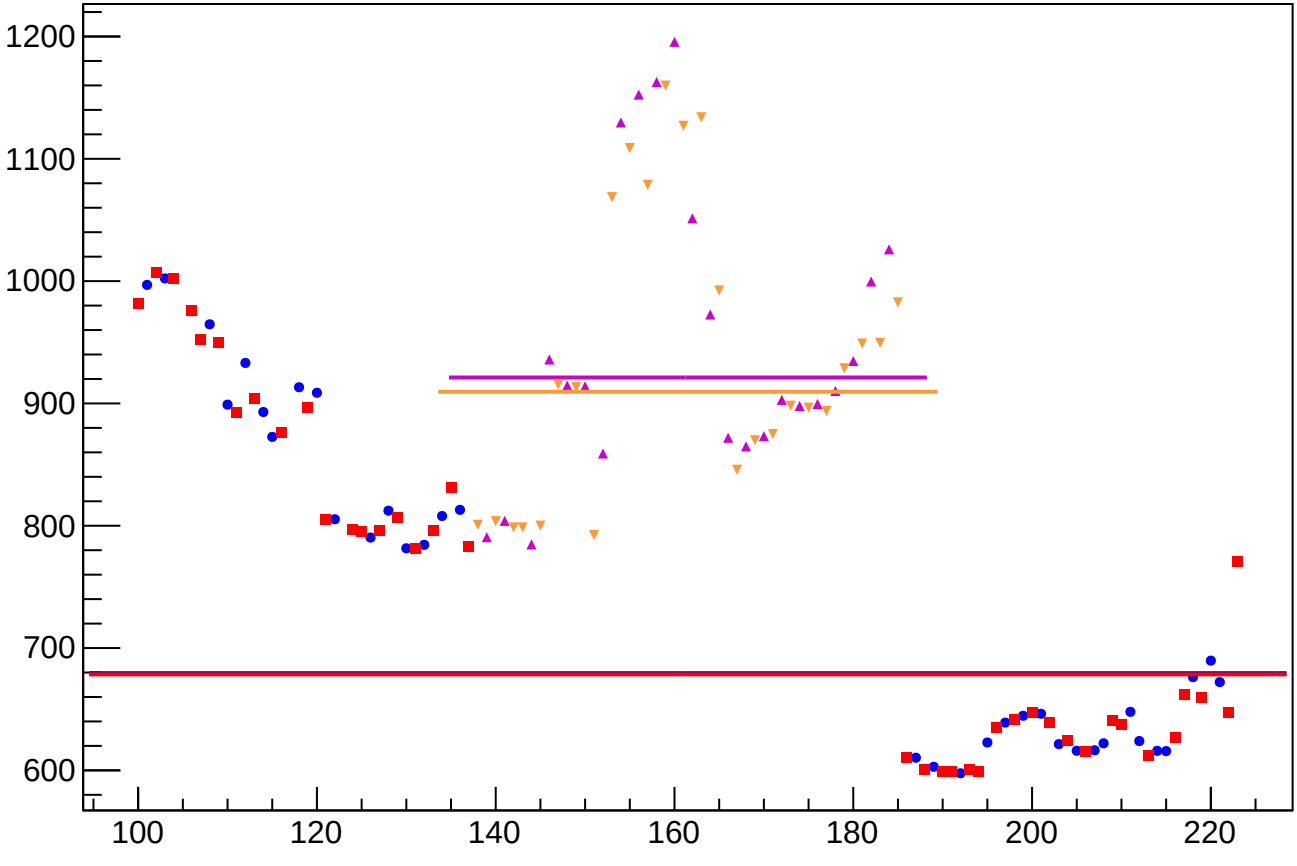
Right: 10.190+/-0.102 χ^2/NDF: 168417.6/72

In: 27.794+/-0.121 χ^2/NDF:48602.8/56

Out: 0.563+/-0.118 χ^2/NDF:110543.3/63

All: 13.819+/-0.085 χ^2/NDF: 185035.0/120

diff_bpm2i02Y_rms vs Slug, Sign Corrected



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

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

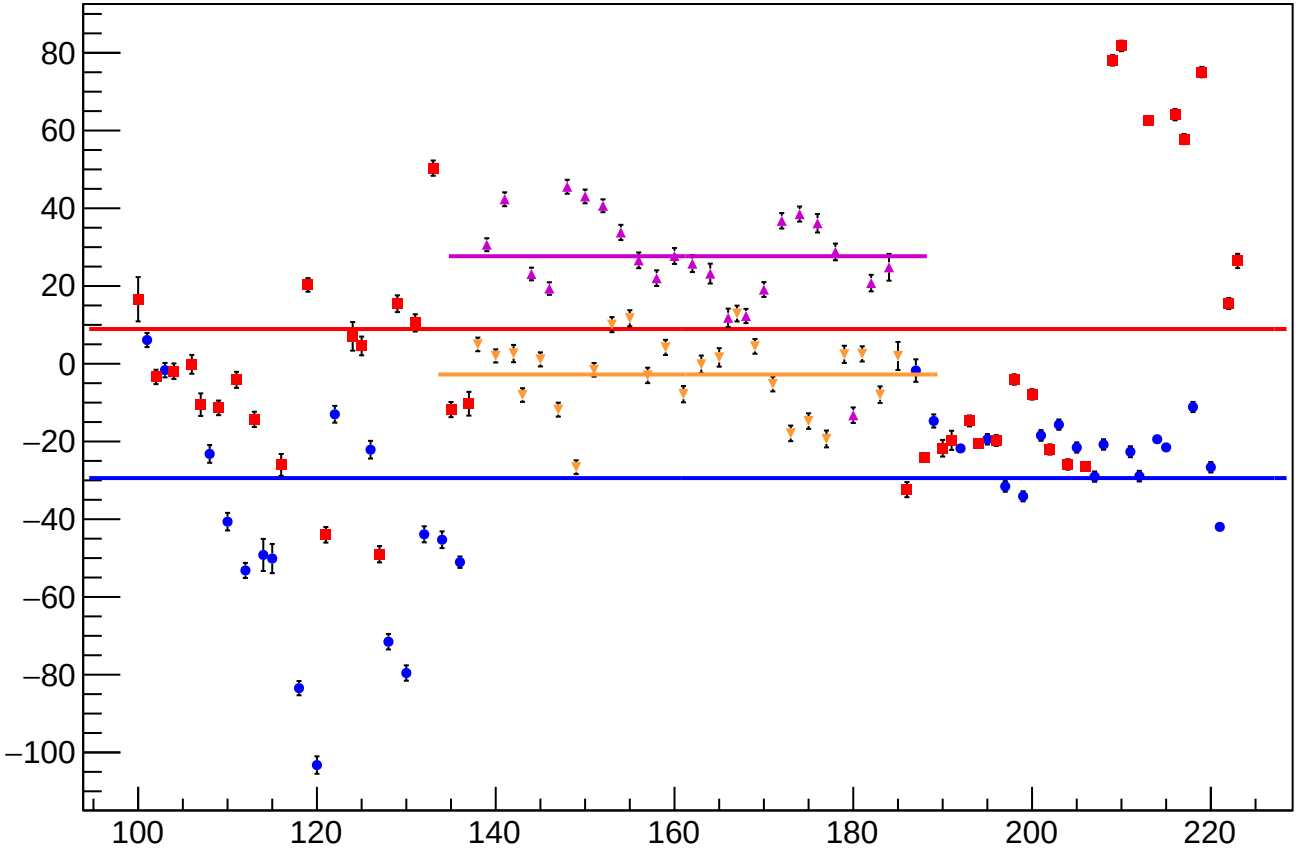
Right: 678.951+/-0.072 χ^2/NDF: 2029893.7/72

In: 754.834+/-0.086 χ^2/NDF:3169956.0/56

Out: 752.549+/-0.083 χ^2/NDF:3273317.9/63

All: 753.662+/-0.060 χ^2/NDF: 6443638.5/120

diff_bpm0i02X_mean vs Slug, Sign Corrected



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

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

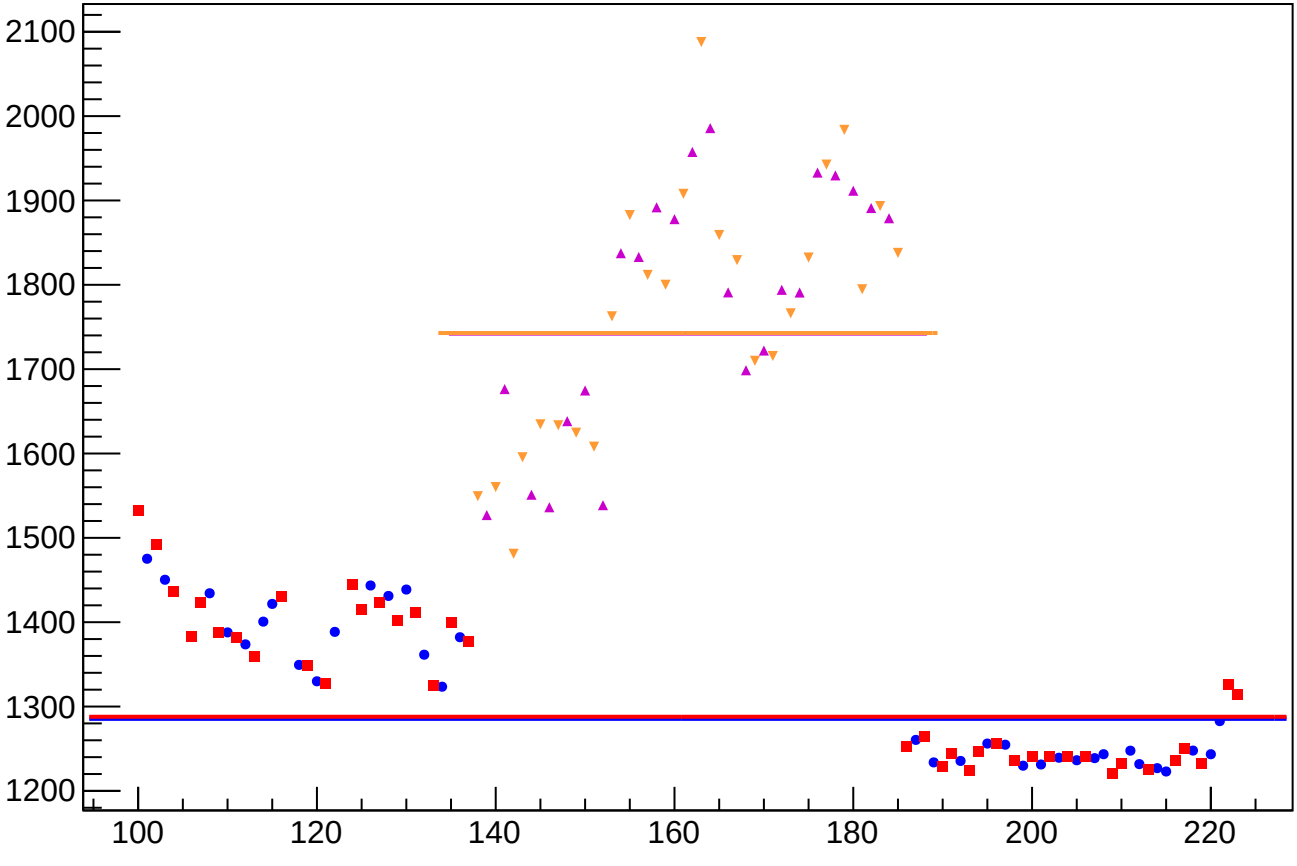
Right: -9.913+/-0.192 χ^2/NDF: 35629.5/72

In: -11.730+/-0.228 χ^2/NDF:19658.7/56

Out: 5.255+/-0.223 χ^2/NDF:21657.6/63

All: -3.064+/-0.159 χ^2/NDF: 44160.3/120

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

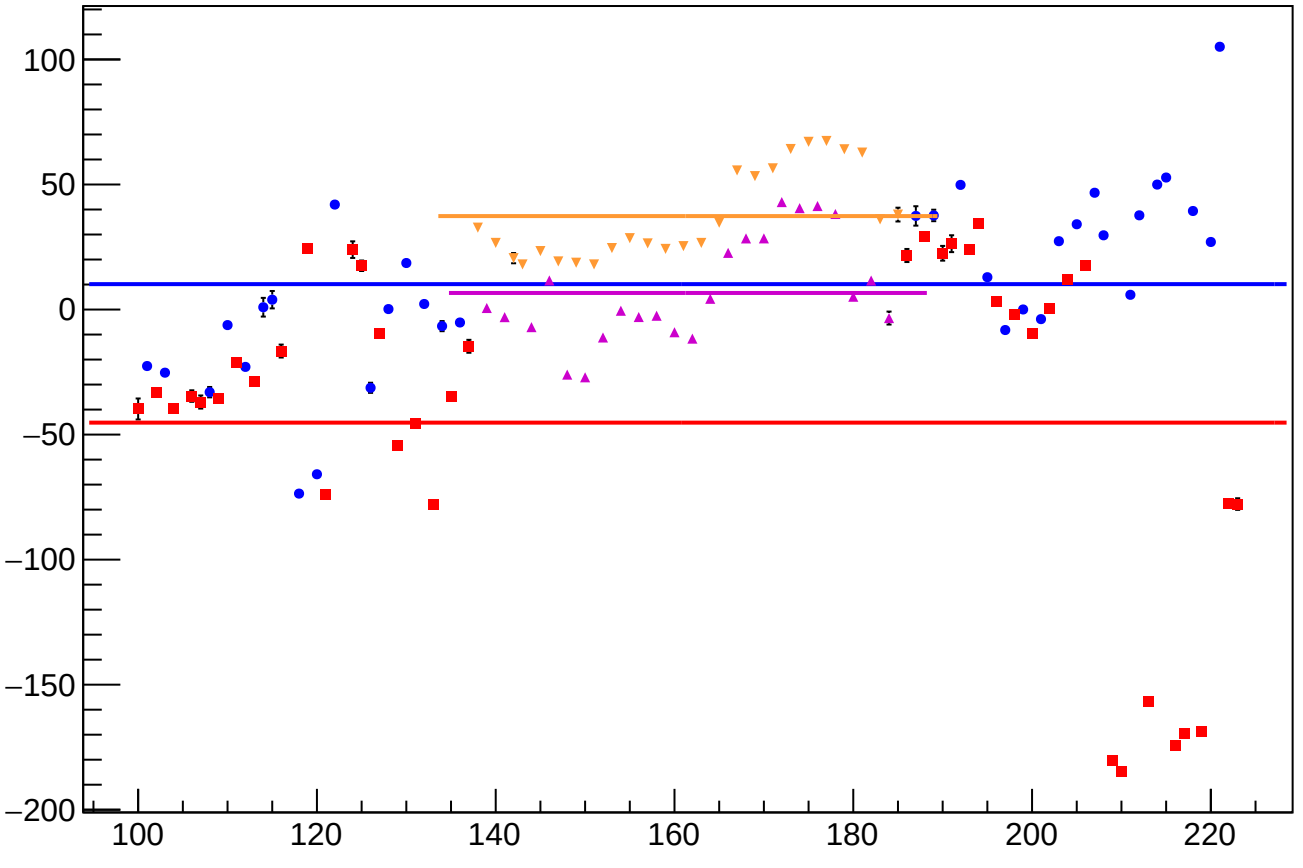
Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

Right: 1286.658+/-0.136 χ^2/NDF: 303963.2/72

In: 1426.911+/-0.161 χ^2/NDF:2136805.3/56

Out: 1431.014+/-0.158 χ^2/NDF:2212200.5/63

All: 1429.004+/-0.113 χ^2/NDF: 4349337.5/12



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

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

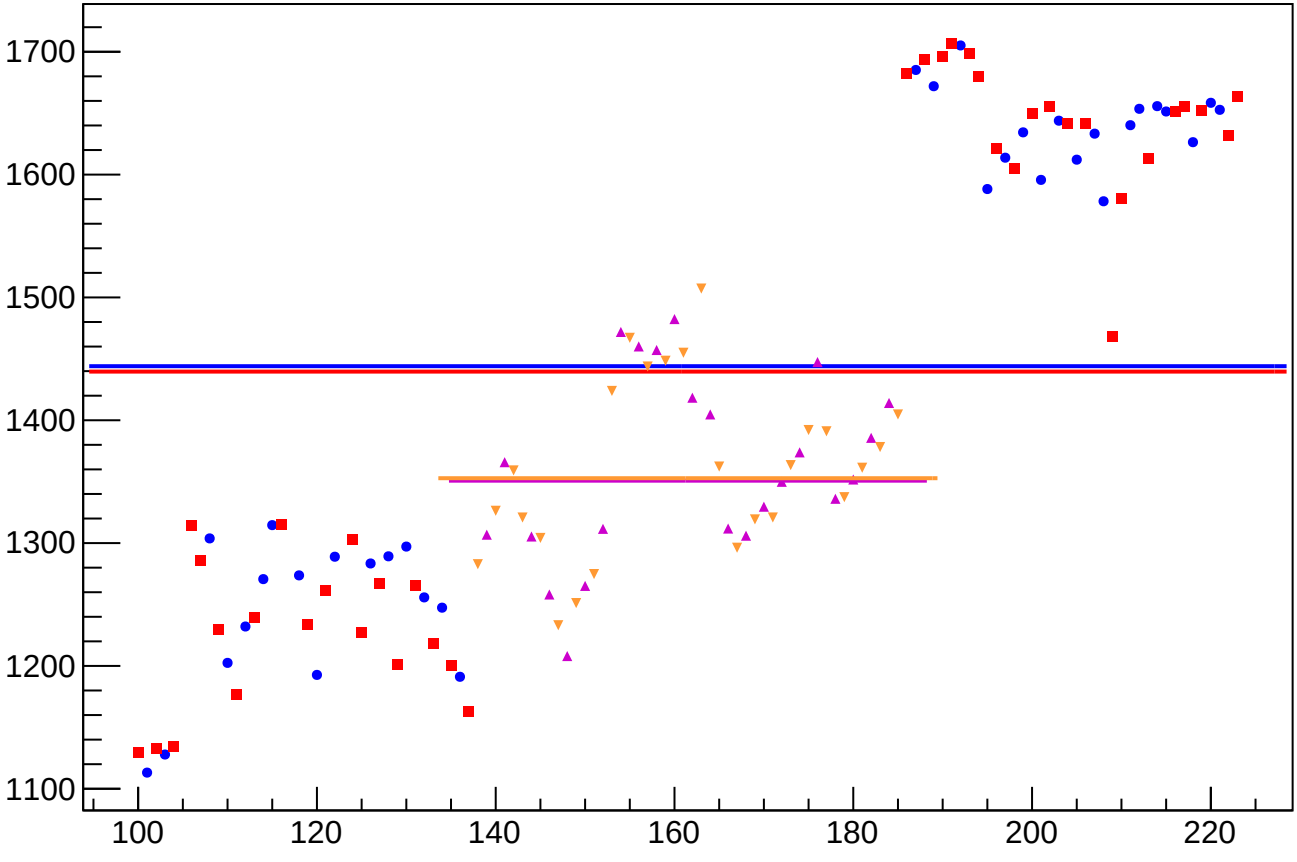
Right: -18.128+/-0.217 χ^2/NDF: 79547.6/72

In: 8.427+/-0.222 χ^2/NDF:18153.0/56

Out: -4.464+/-0.216 χ^2/NDF:89467.3/63

All: 1.827+/-0.155 χ^2/NDF: 109354.4/120

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

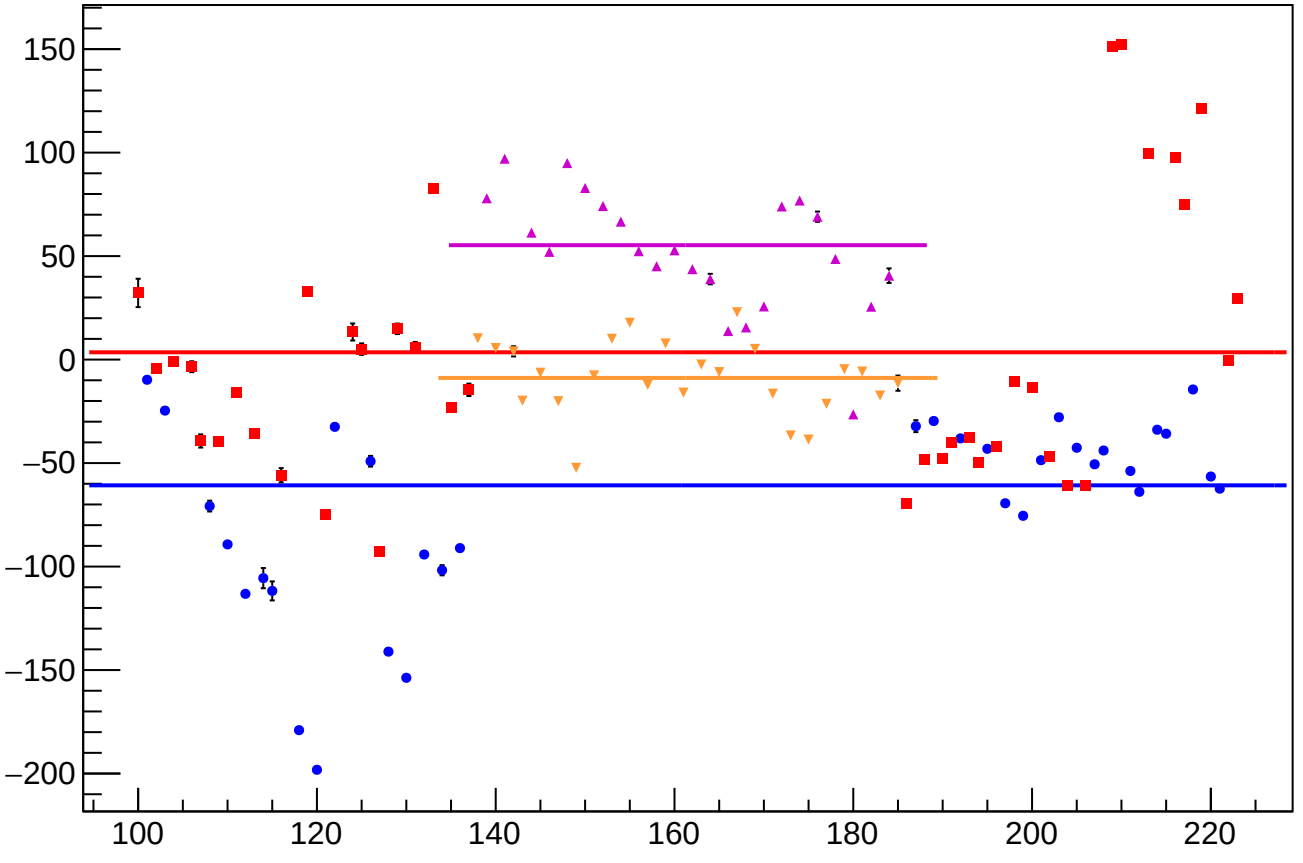
Right: 1441.776+/-0.154 χ^2/NDF: 1938409.6/72

In: 1398.251+/-0.157 χ^2/NDF:1124763.2/56

Out: 1396.791+/-0.153 χ^2/NDF:1195918.6/63

All: 1397.503+/-0.109 χ^2/NDF: 2320726.3/12

diff_bpm0i02aX_mean vs Slug, Sign Corrected



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

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

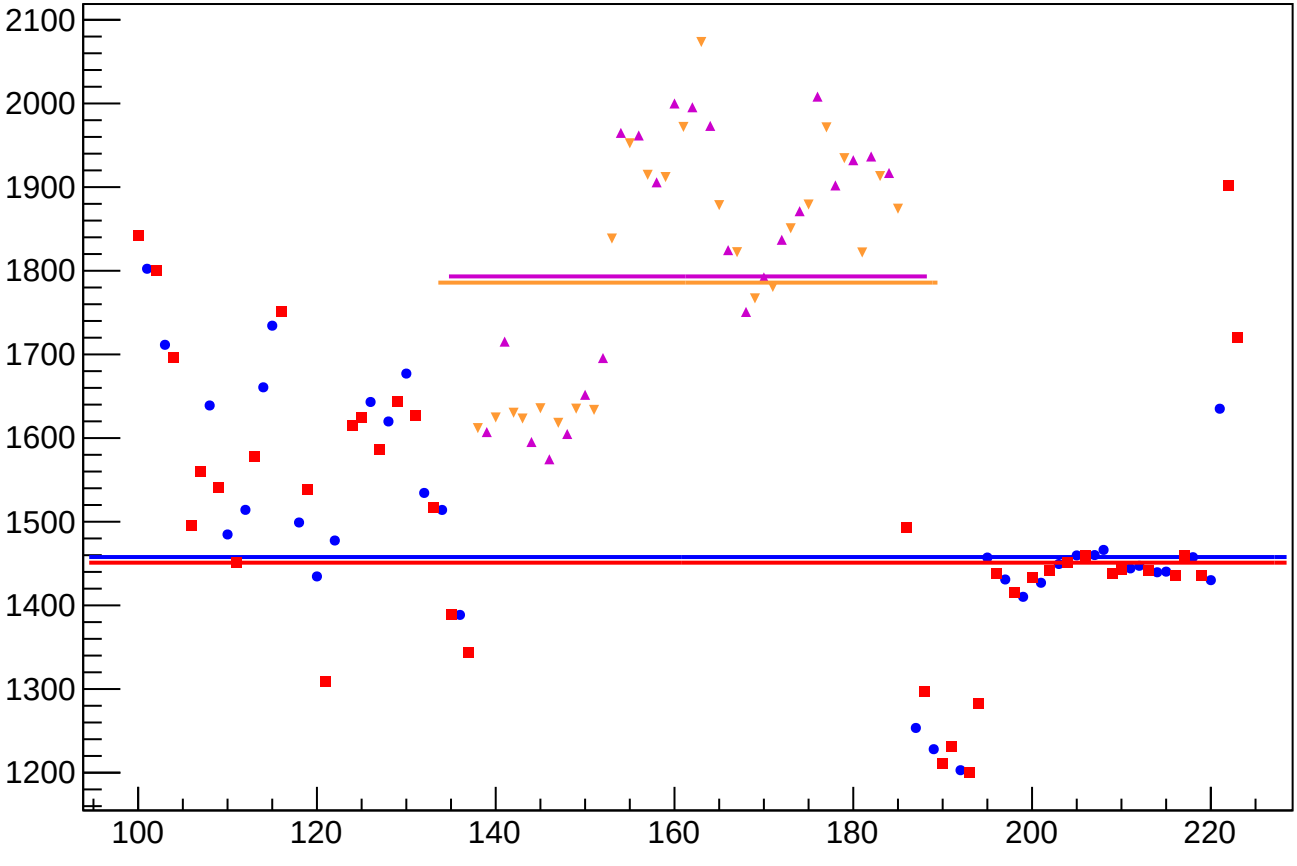
Right: -27.910+/-0.218 χ^2/NDF: 88344.5/72

In: -19.689+/-0.250 χ^2/NDF:69628.7/56

Out: -0.917+/-0.244 χ^2/NDF:53389.5/63

All: -10.062+/-0.175 χ^2/NDF: 125905.7/120

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

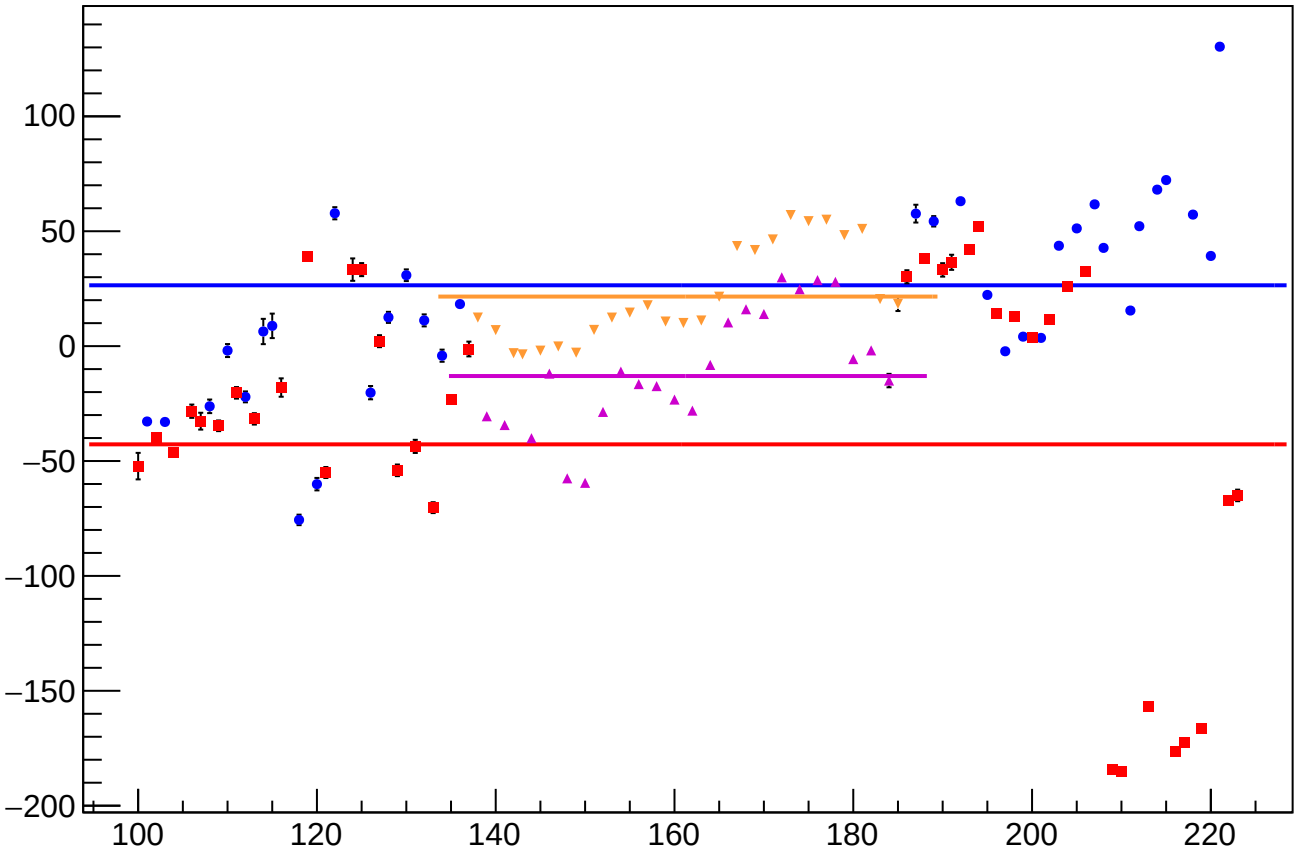
Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

Right: 1454.342+/-0.154 χ^2/NDF: 765736.5/72

In: 1576.534+/-0.177 χ^2/NDF:1382345.1/56

Out: 1571.110+/-0.172 χ^2/NDF:1562529.2/63

All: 1573.752+/-0.123 χ^2/NDF: 2945356.4/12



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

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

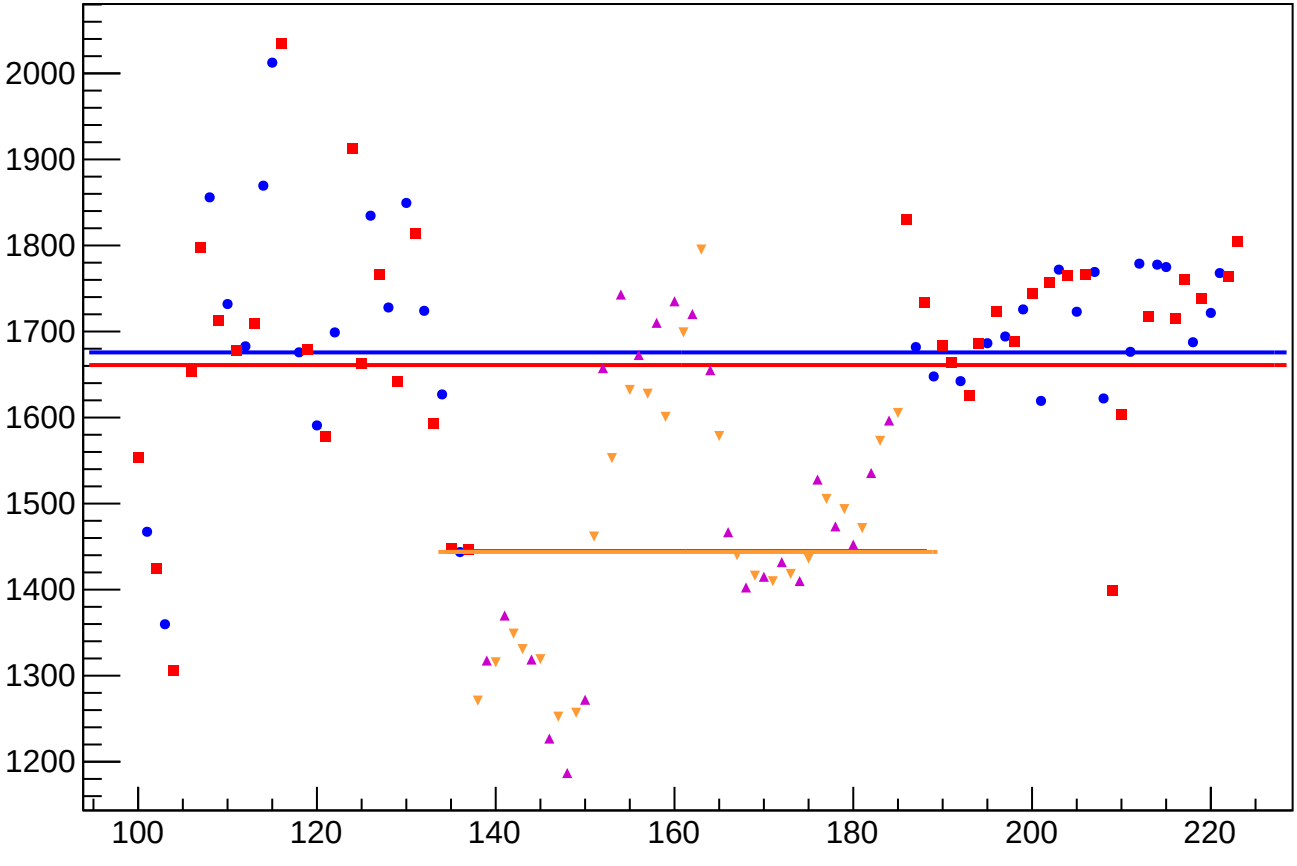
Right: -9.080+/-0.250 χ^2/NDF: 84977.2/72

In: 5.725+/-0.246 χ^2/NDF:26920.7/56

Out: -8.859+/-0.239 χ^2/NDF:73998.8/63

All: -1.777+/-0.172 χ^2/NDF: 102720.1/120

diff_bpm0i02aY_rms vs Slug, Sign Corrected



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

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

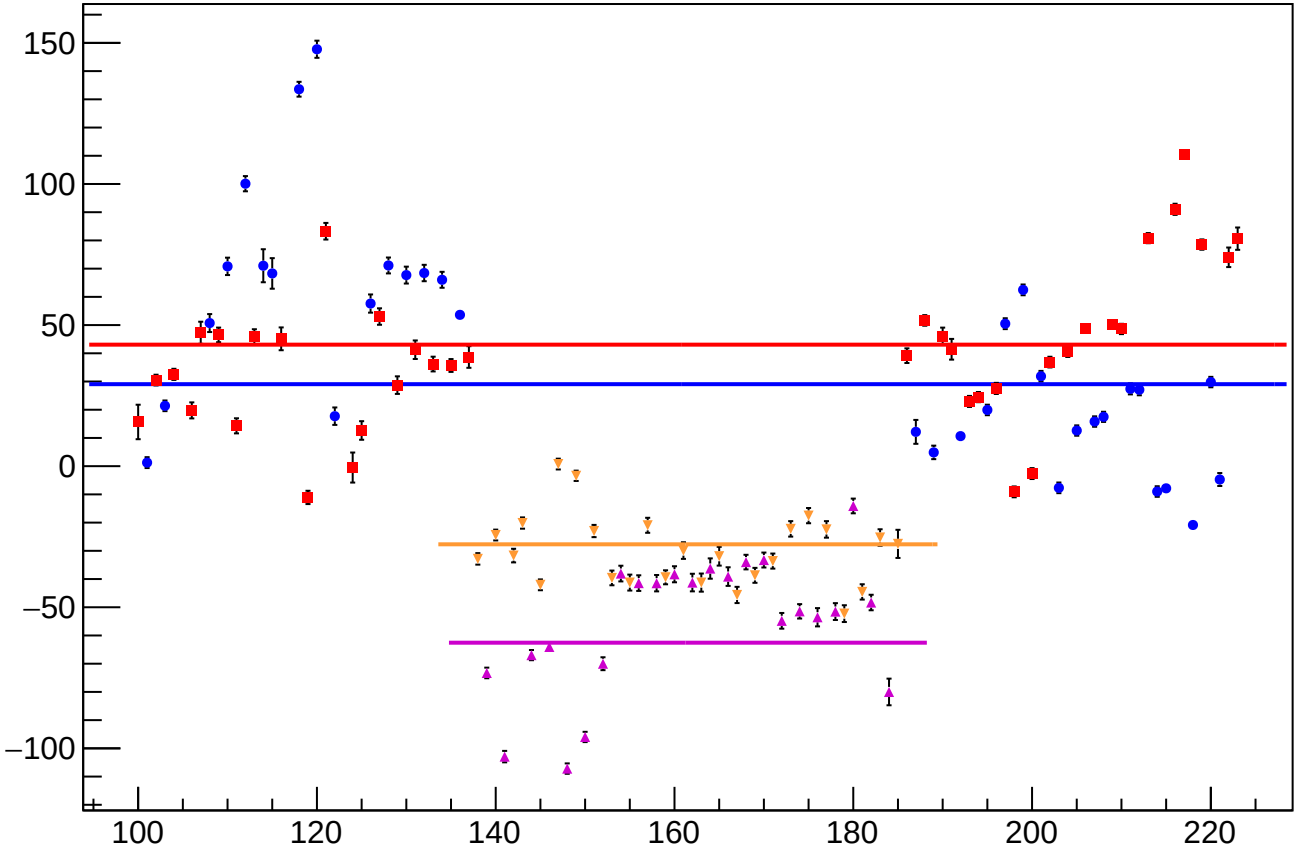
Right: 1668.158+/-0.176 χ^2/NDF: 528512.9/72

In: 1554.383+/-0.174 χ^2/NDF:1141373.1/56

Out: 1546.574+/-0.169 χ^2/NDF:1070663.9/63

All: 1550.366+/-0.121 χ^2/NDF: 2213069.8/12

diff_bpm0i05X_mean vs Slug, Sign Corrected



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

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

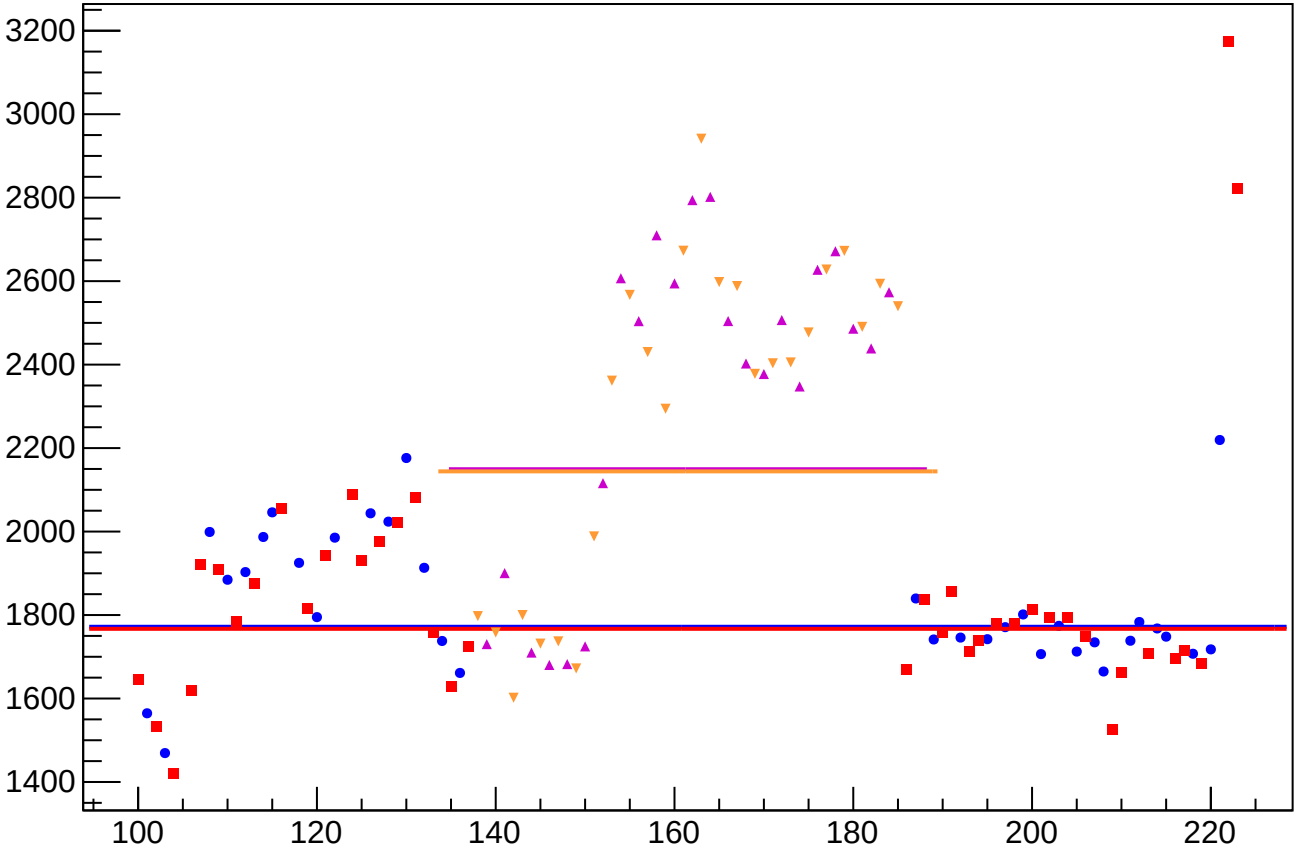
Right: 36.188+/-0.266 χ^2/NDF: 14980.7/72

In: -3.416+/-0.305 χ^2/NDF:31610.1/56

Out: 17.565+/-0.298 χ^2/NDF:19604.2/63

All: 7.315+/-0.213 χ^2/NDF: 53639.6/120

diff_bpm0i05X_rms vs Slug, Sign Corrected



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

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

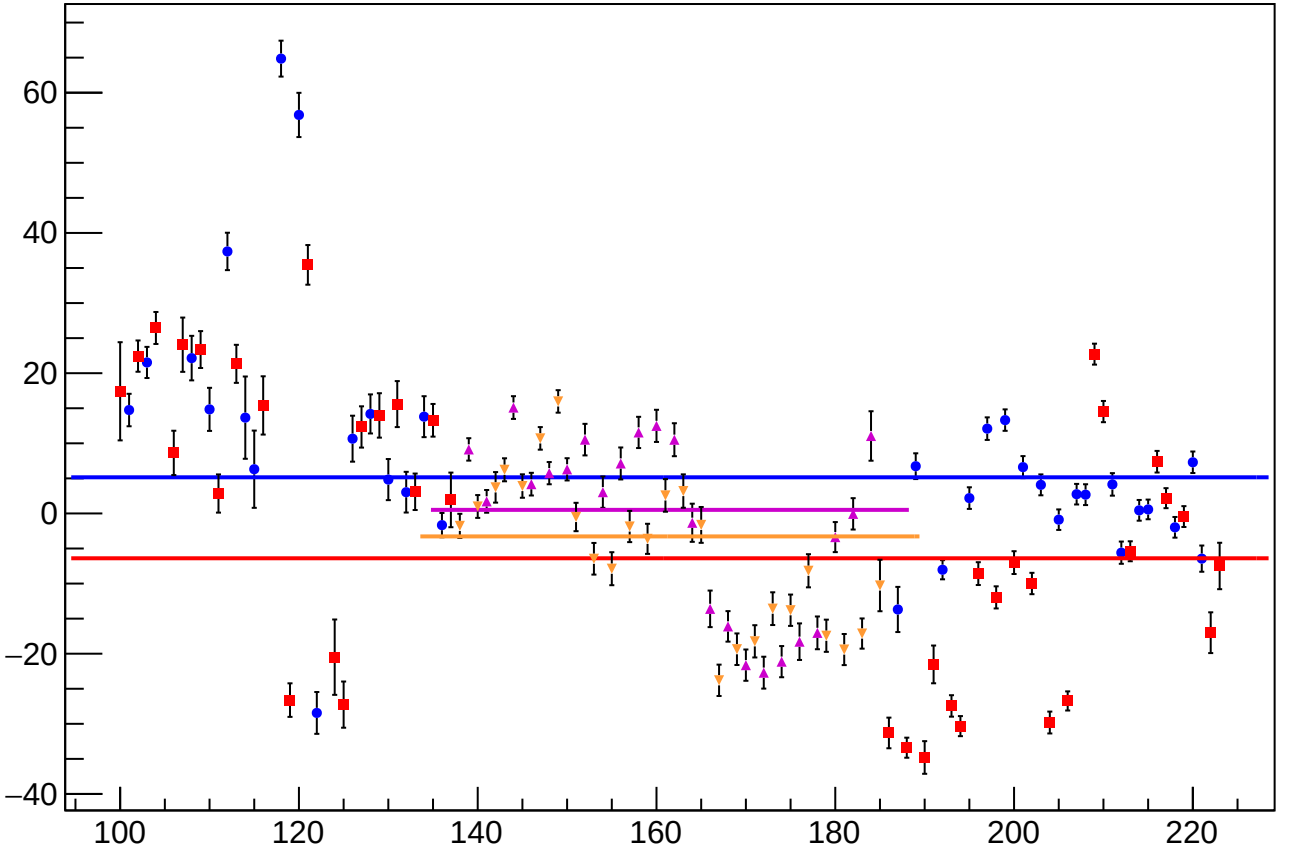
Right: 1769.385+/-0.188 χ^2/NDF: 1024465.8/72

In: 1905.666+/-0.215 χ^2/NDF:2260300.6/56

Out: 1902.934+/-0.211 χ^2/NDF:2751944.6/63

All: 1904.269+/-0.151 χ^2/NDF: 5012327.5/12

diff_bpm0i05Y_mean vs Slug, Sign Corrected



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

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

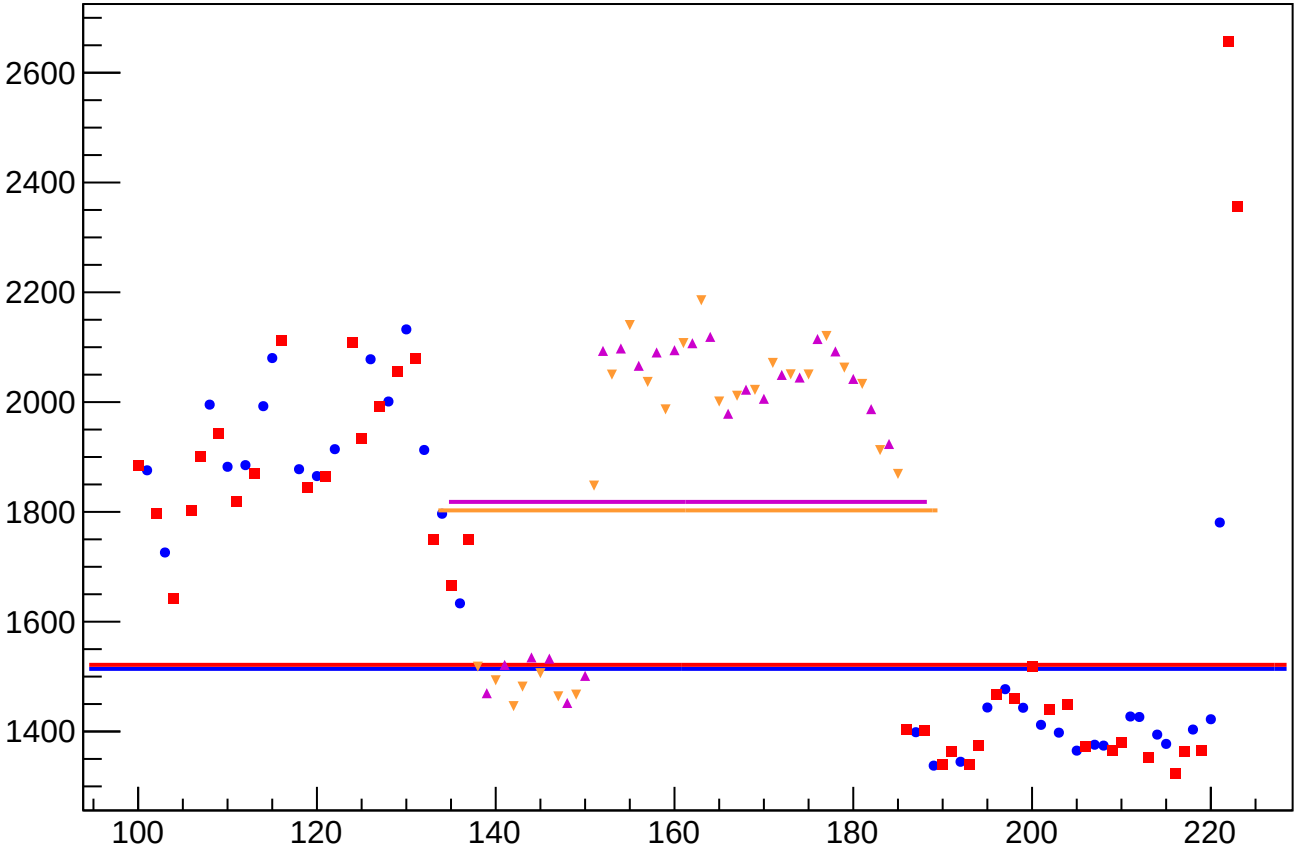
Right: -0.686+/-0.229 χ^2/NDF: 5818.6/72

In: 3.457+/-0.260 χ^2/NDF:2388.4/56

Out: -5.218+/-0.255 χ^2/NDF:4322.7/63

All: -0.970+/-0.182 χ^2/NDF: 7279.8/120

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

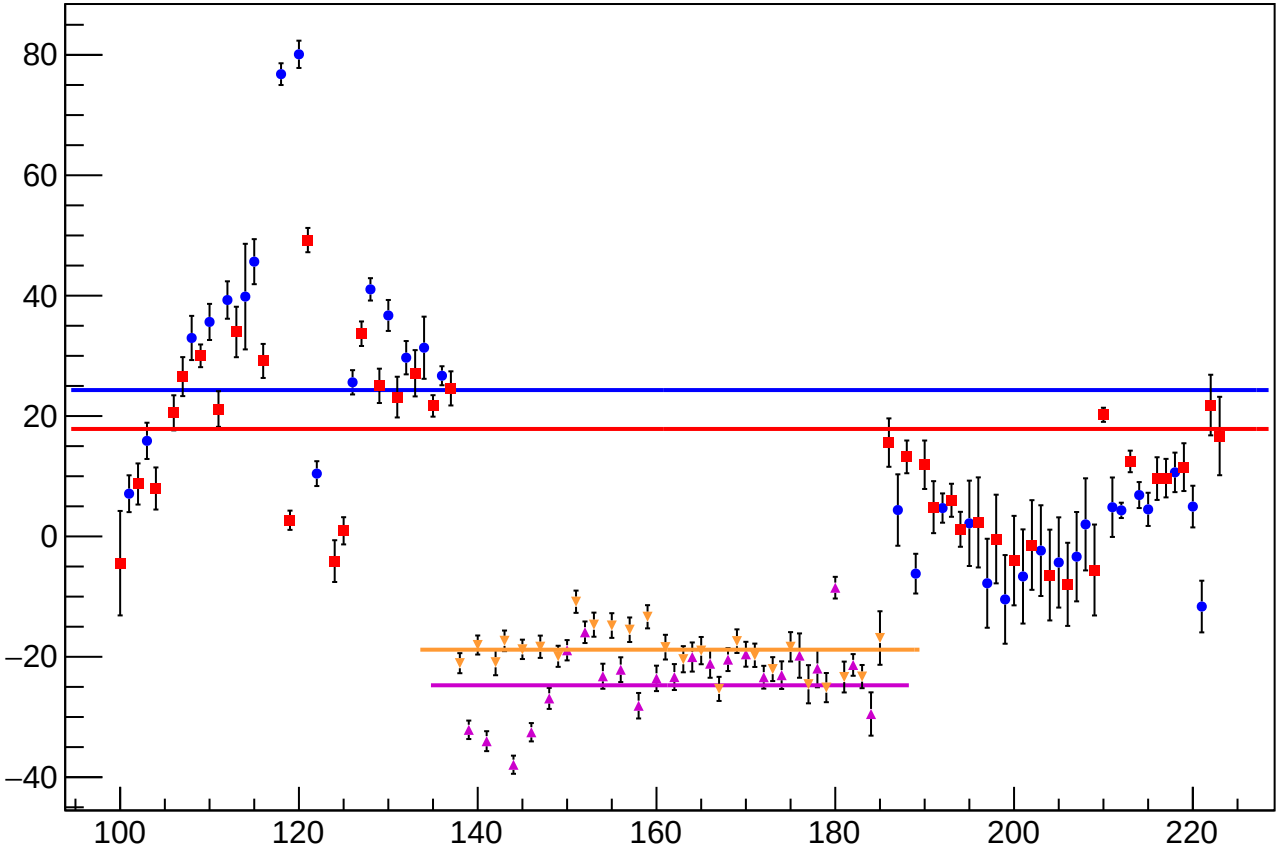
Right: 1517.786+/-0.162 χ^2/NDF: 2081046.7/72

In: 1625.252+/-0.184 χ^2/NDF:2308334.4/56

Out: 1627.462+/-0.180 χ^2/NDF:2719102.5/63

All: 1626.380+/-0.129 χ^2/NDF: 5027510.8/12

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

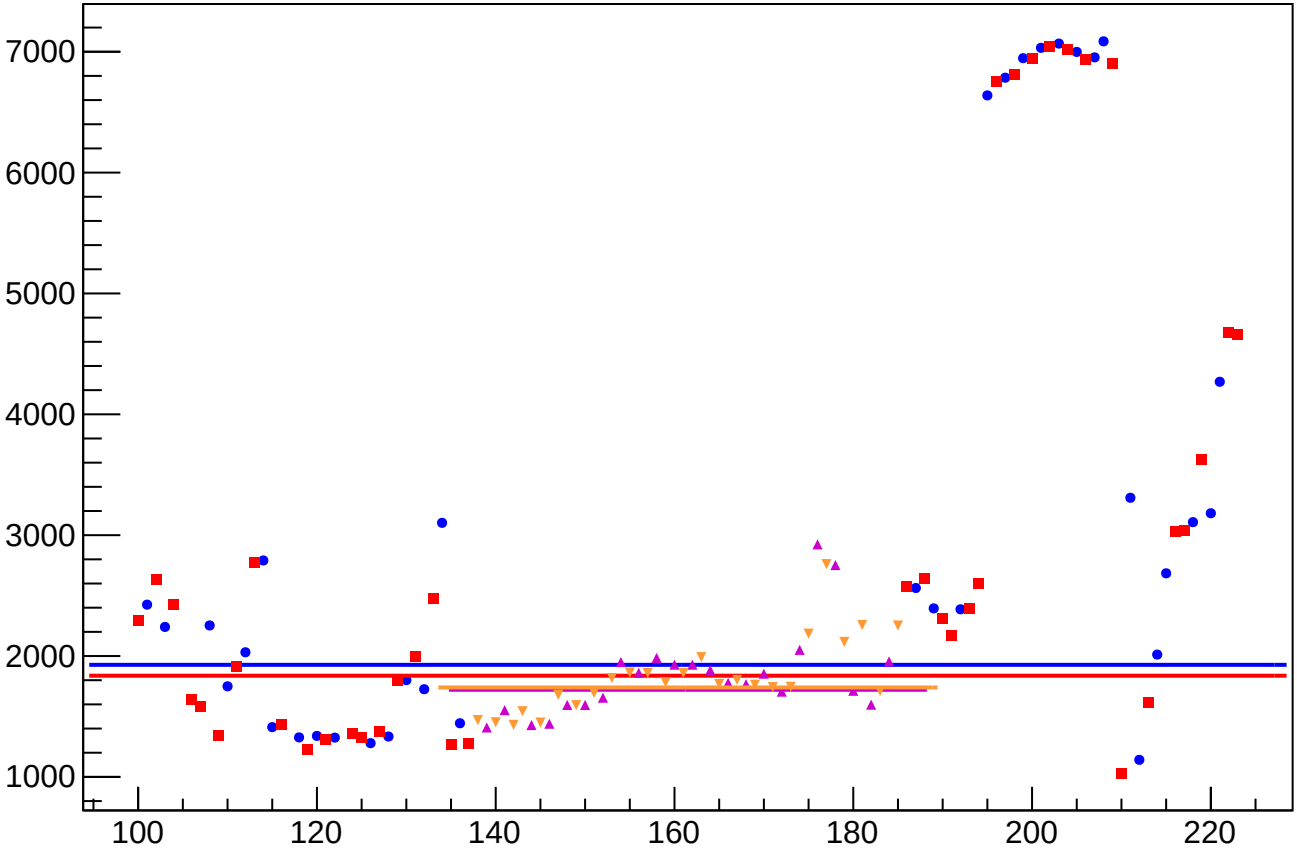
Right: 20.861+/-0.331 χ^2/NDF: 3365.6/72

In: -4.368+/-0.313 χ^2/NDF:8785.3/56

Out: -2.648+/-0.301 χ^2/NDF:4515.5/63

All: -3.474+/-0.217 χ^2/NDF: 13316.5/120

diff_bpm0i07X_rms vs Slug, Sign Corrected



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

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

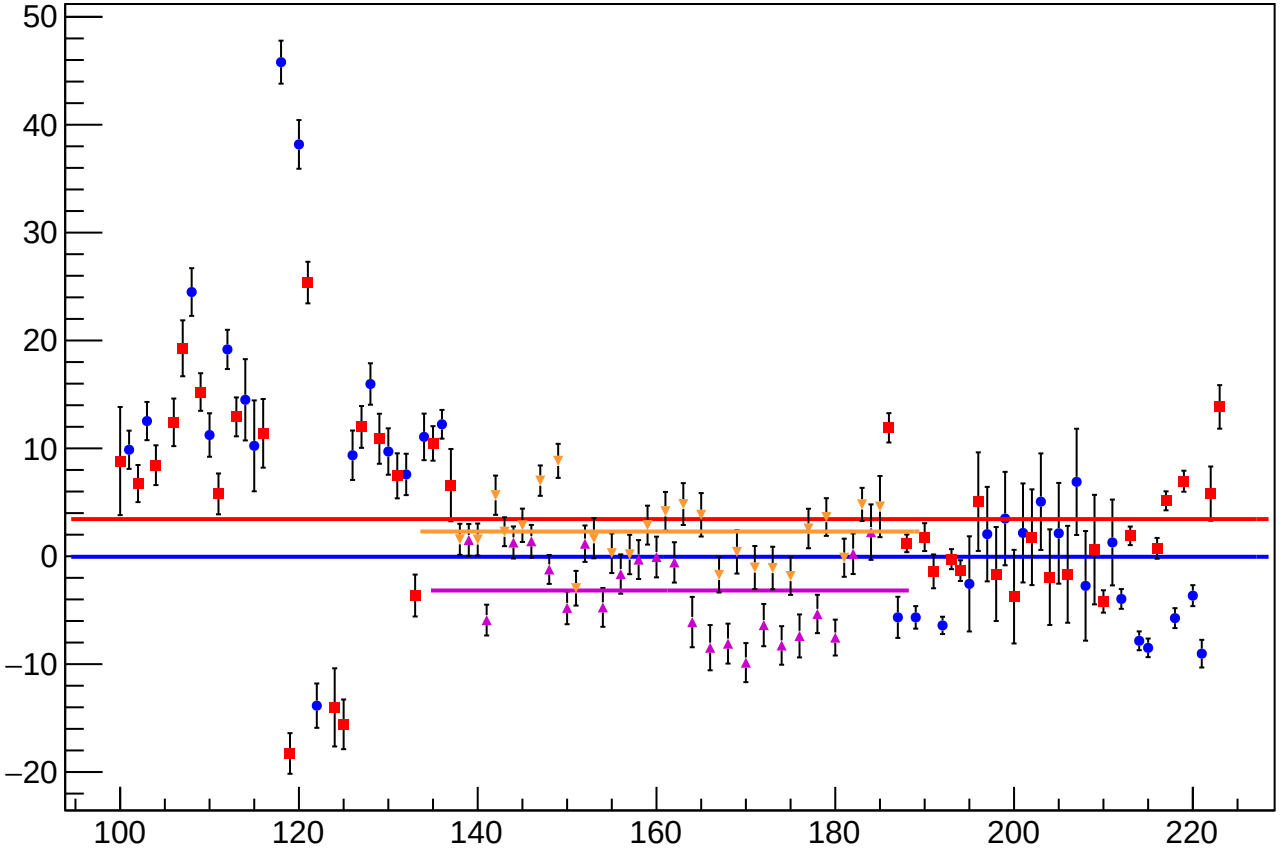
Right: 1879.128+/-0.234 χ^2/NDF: 22484915.4/72

In: 1806.545+/-0.221 χ^2/NDF:12017926.5/56

Out: 1782.929+/-0.213 χ^2/NDF:12330752.7/63

All: 1794.272+/-0.153 χ^2/NDF: 24354610.8/

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

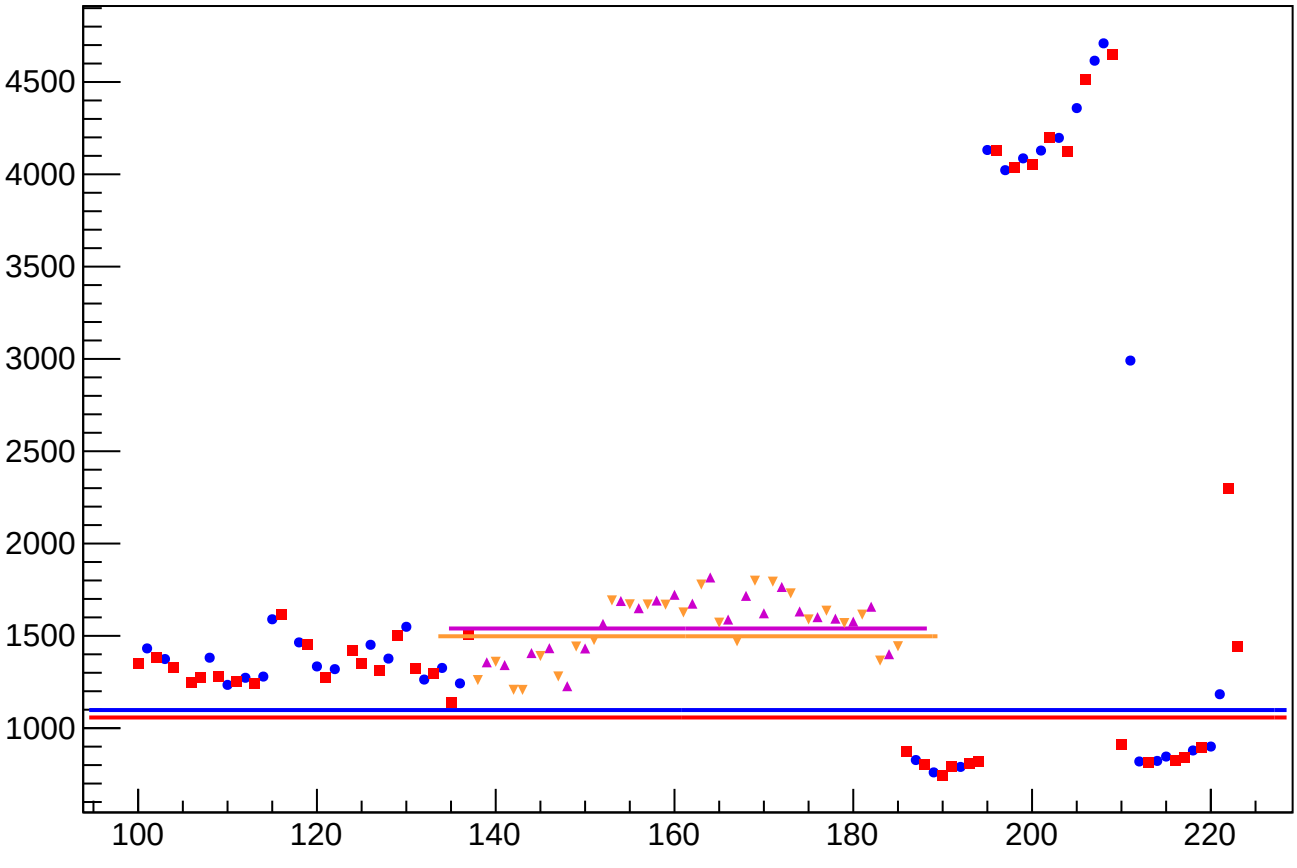
Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

Right: 1.828+/-0.183 χ^2/NDF: 2737.6/72

In: -1.160+/-0.216 χ^2/NDF:2022.5/56

Out: 3.045+/-0.202 χ^2/NDF:863.7/63

All: 1.084+/-0.148 χ^2/NDF: 3088.3/120



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

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

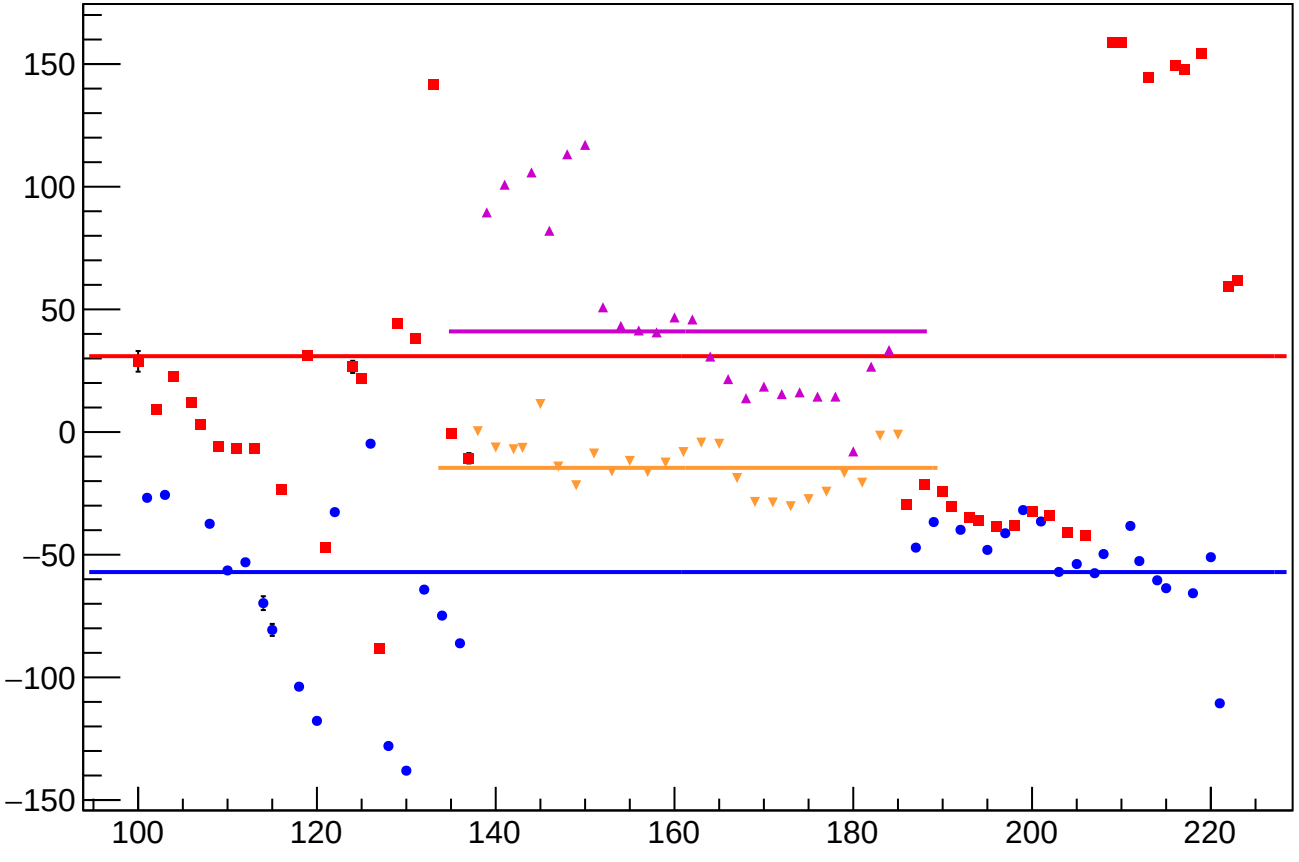
Right: 1076.479+/-0.129 χ^2/NDF: 19291207.2/72

In: 1255.202+/-0.153 χ^2/NDF:12240673.8/56

Out: 1210.024+/-0.143 χ^2/NDF:12035520.7/63

All: 1231.091+/-0.104 χ^2/NDF: 24322836.1/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



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

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

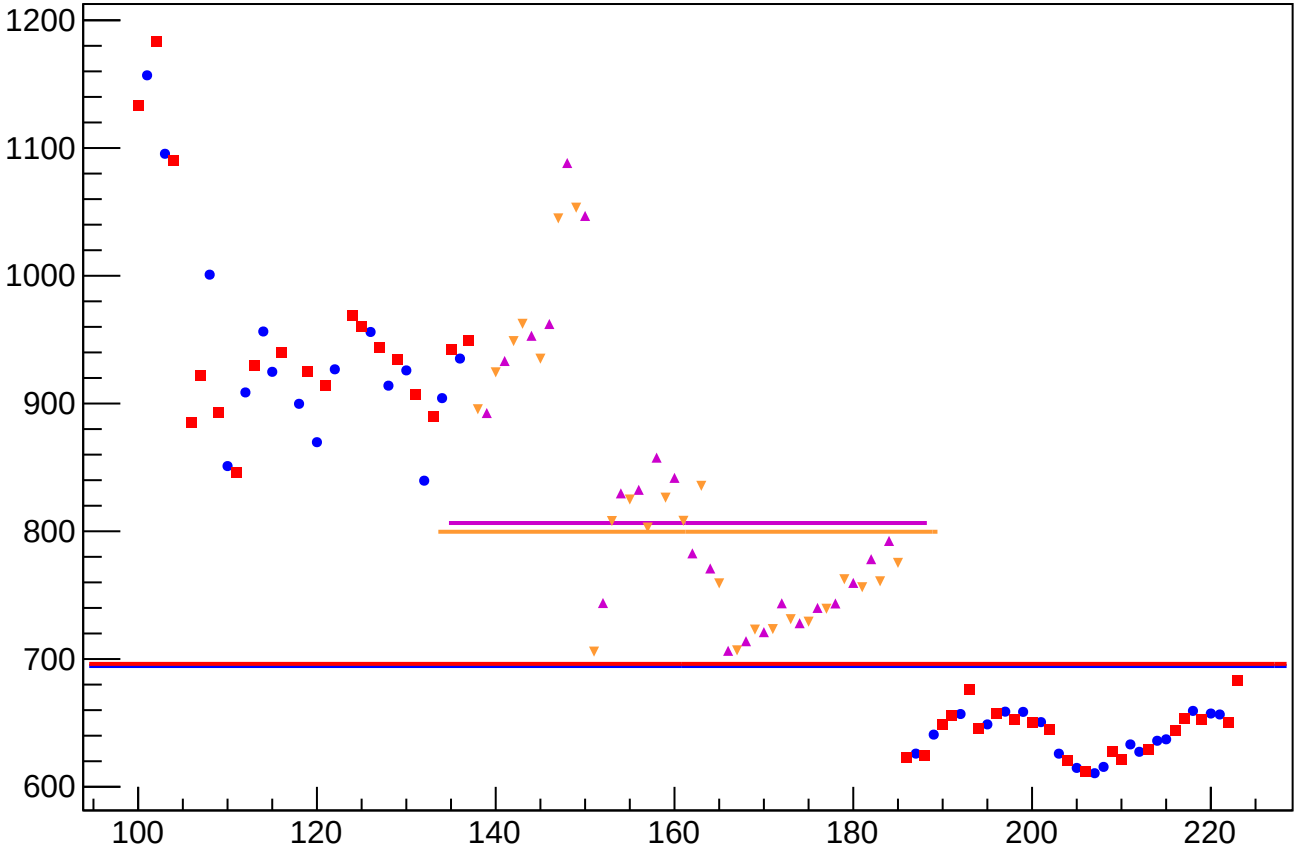
Right: -12.343+/-0.105 χ^2/NDF: 505260.9/72

In: -19.363+/-0.118 χ^2/NDF:221653.2/56

Out: 12.991+/-0.115 χ^2/NDF:344818.4/63

All: -2.791+/-0.082 χ^2/NDF: 605195.9/120

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

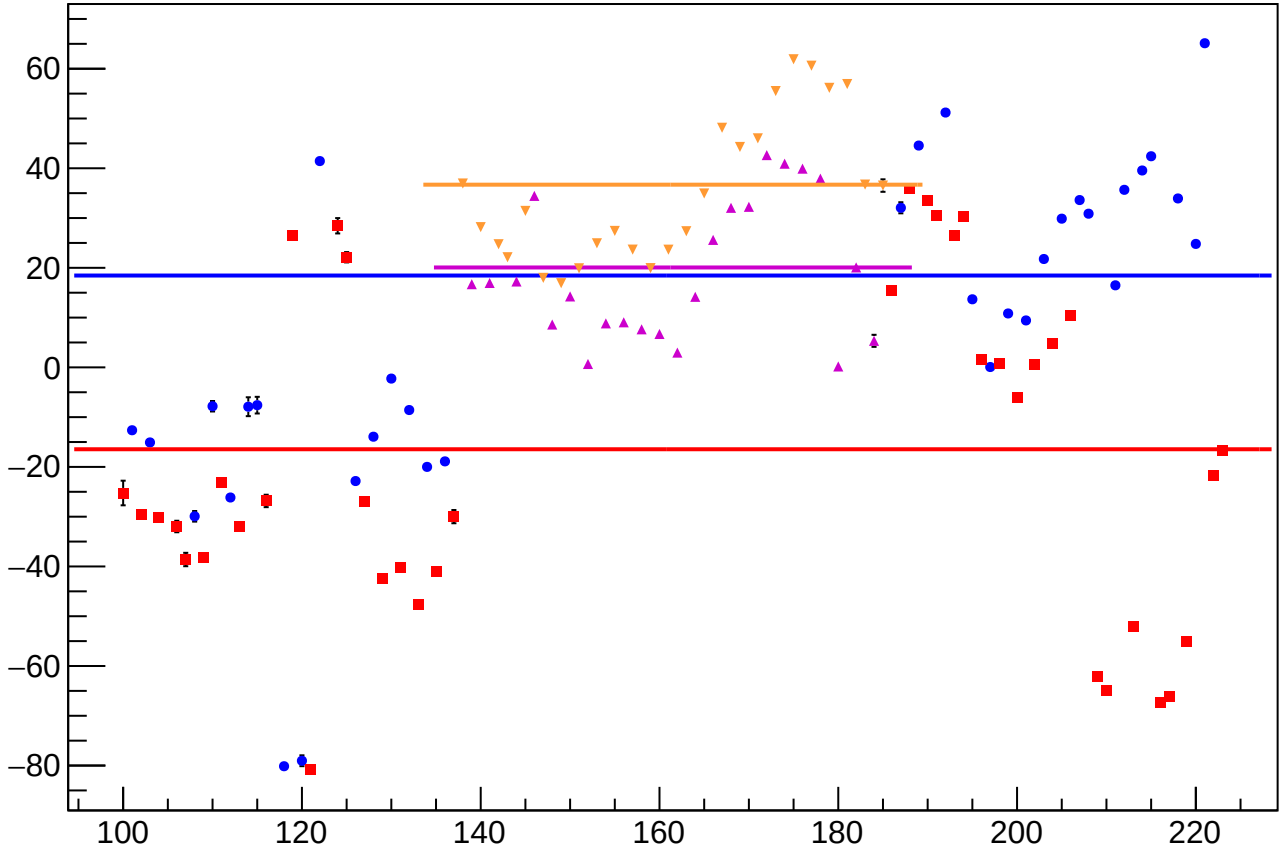
Right: 695.382+/-0.074 χ^2/NDF: 2670738.7/72

In: 737.564+/-0.083 χ^2/NDF:2246298.8/56

Out: 736.958+/-0.081 χ^2/NDF:2248865.9/63

All: 737.254+/-0.058 χ^2/NDF: 4495191.9/120

diff_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

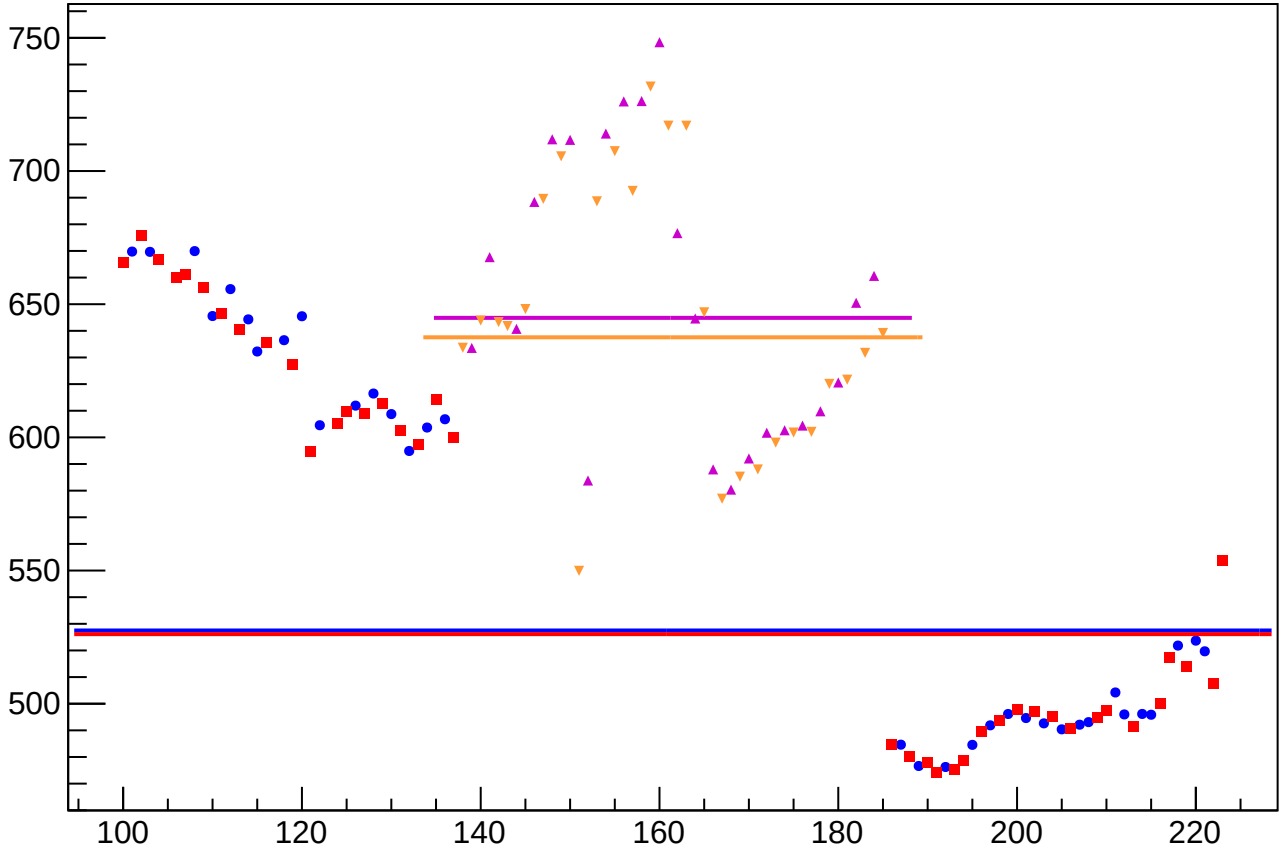
Right: 0.623+/-0.079 χ^2/NDF: 211605.1/72

In: 19.030+/-0.090 χ^2/NDF:72225.6/56

Out: 3.000+/-0.088 χ^2/NDF:194132.7/63

All: 10.791+/-0.063 χ^2/NDF: 282494.5/120

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

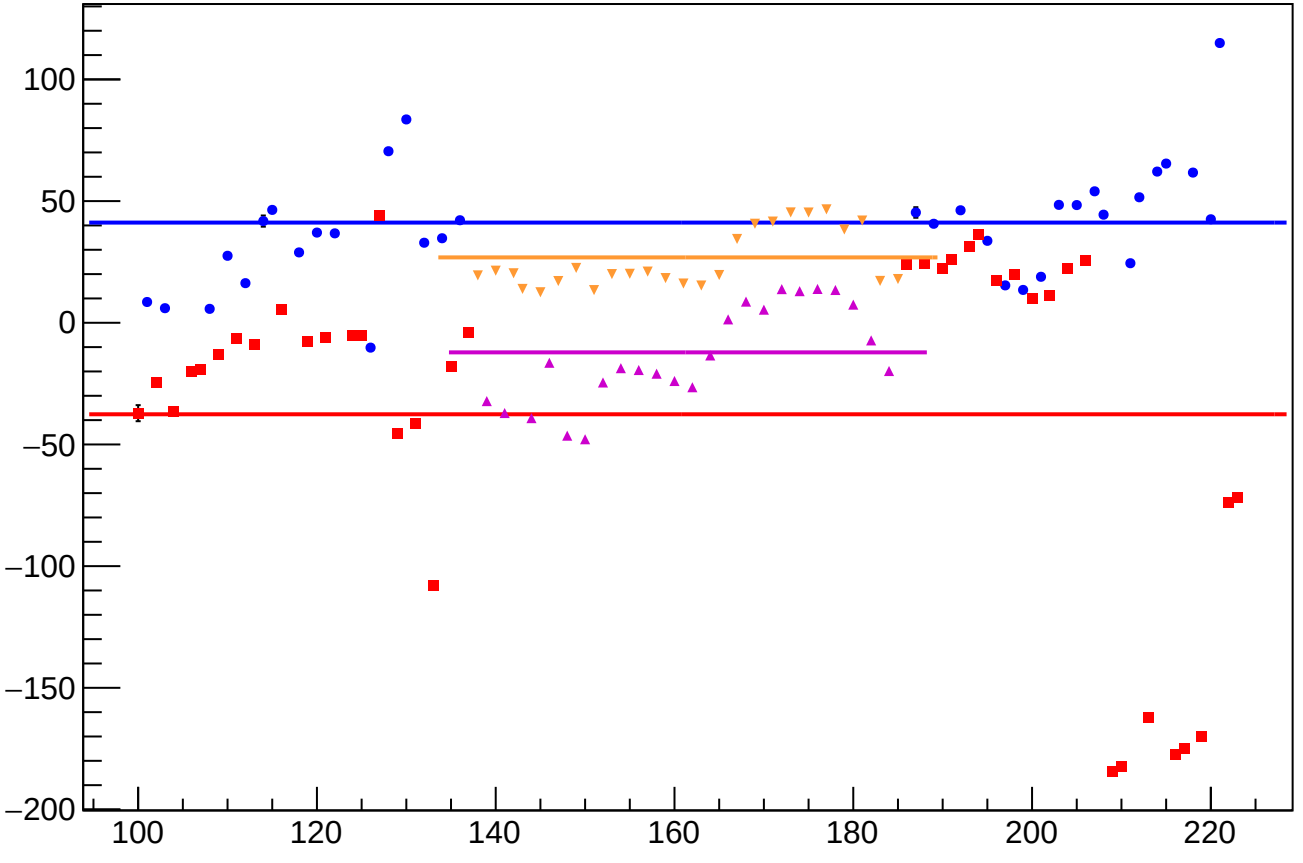
Right: 526.793+/-0.056 χ^2/NDF: 1123376.3/72

In: 569.493+/-0.064 χ^2/NDF:1545995.7/56

Out: 566.907+/-0.062 χ^2/NDF:1561750.7/63

All: 568.164+/-0.045 χ^2/NDF: 3108586.9/120

diff_bpm1i04X_mean vs Slug, Sign Corrected



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

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

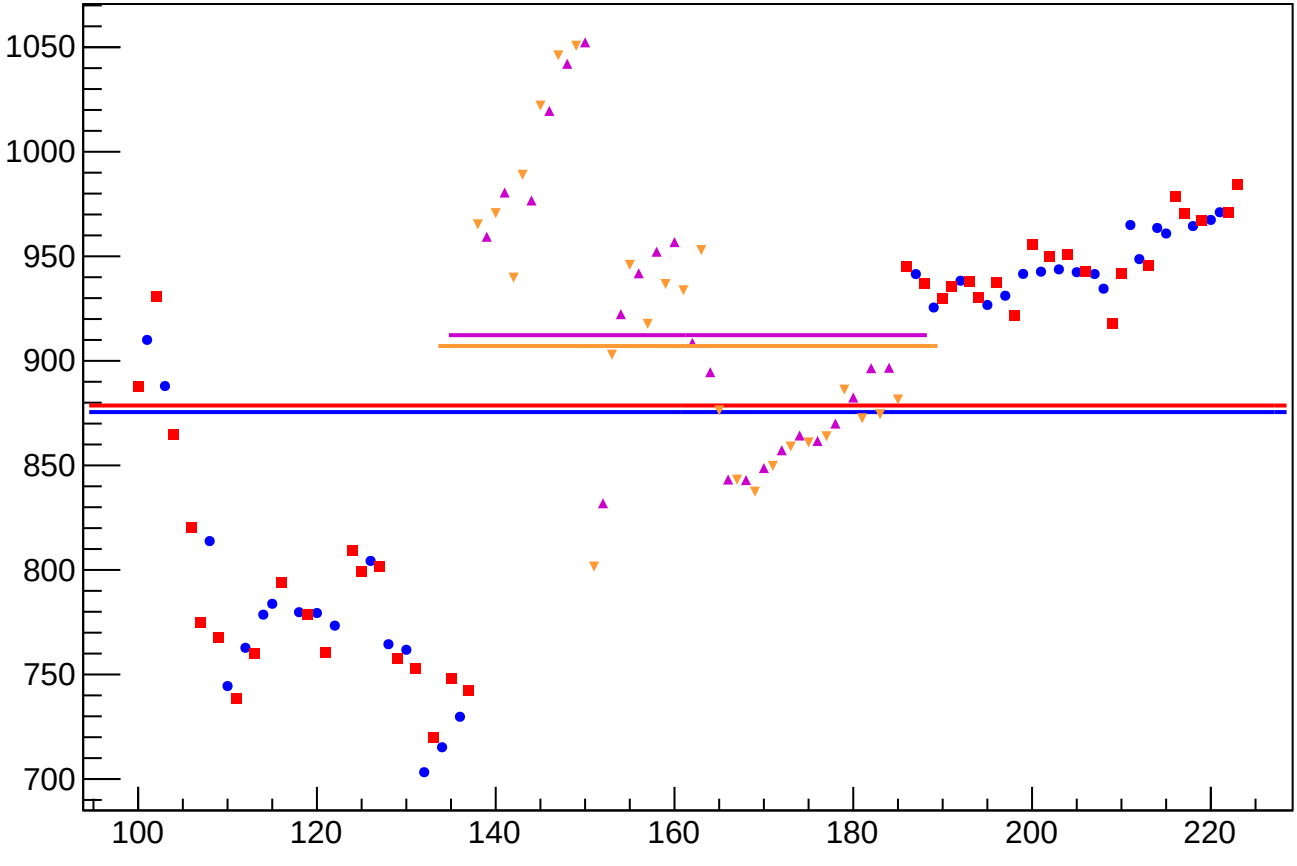
Right: 1.152+/-0.131 χ^2/NDF: 268108.9/72

In: 18.003+/-0.141 χ^2/NDF:61194.8/56

Out: -9.044+/-0.138 χ^2/NDF:218402.8/63

All: 4.159+/-0.098 χ^2/NDF: 298473.1/120

diff_bpm1i04X_rms vs Slug, Sign Corrected



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

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

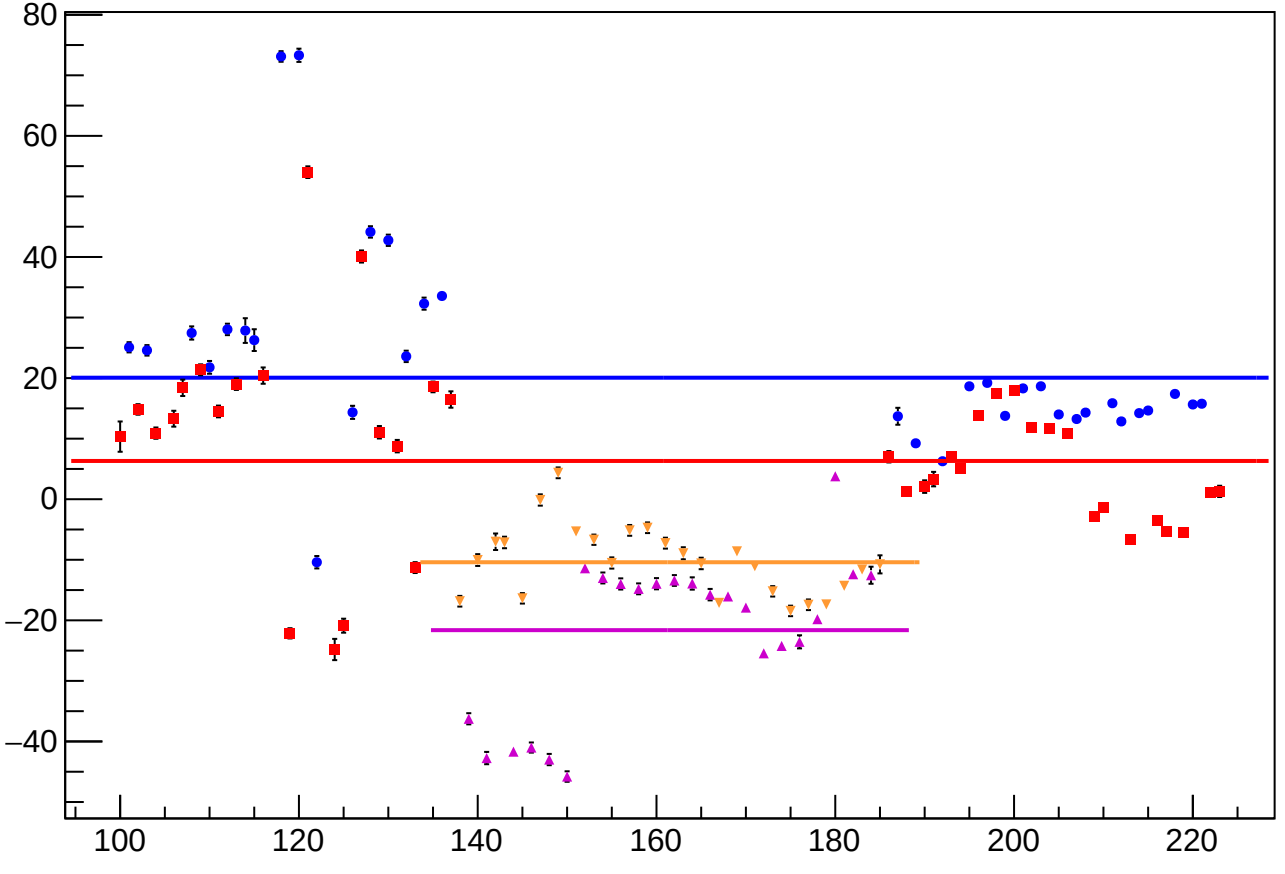
Right: 877.098+/-0.093 χ^2/NDF: 956546.1/72

In: 891.486+/-0.100 χ^2/NDF:701523.8/56

Out: 891.245+/-0.097 χ^2/NDF:678709.3/63

All: 891.363+/-0.070 χ^2/NDF: 1380236.1/120

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

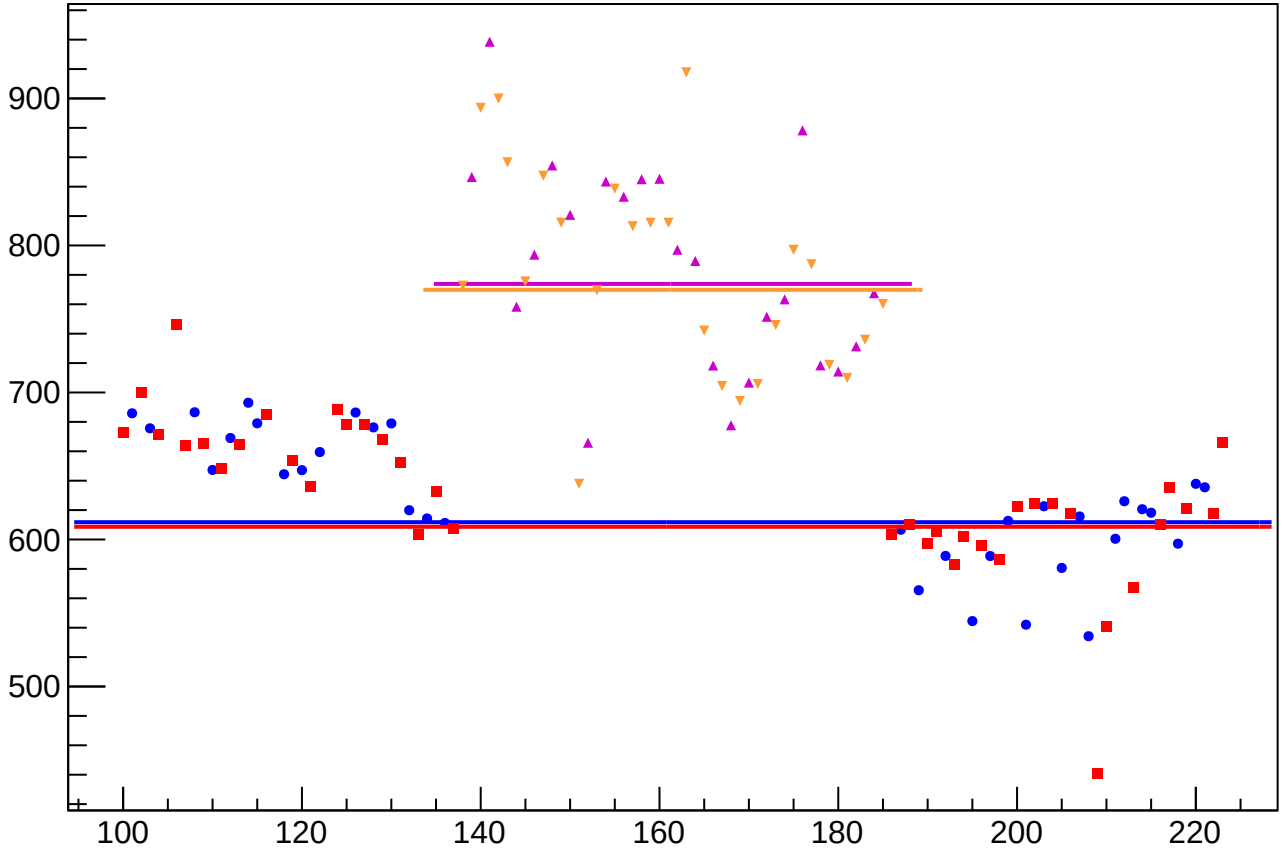
Right: 13.033+/-0.091 χ^2/NDF: 26209.1/72

In: 5.859+/-0.106 χ^2/NDF:50406.9/56

Out: 0.542+/-0.103 χ^2/NDF:16954.9/63

All: 3.130+/-0.074 χ^2/NDF: 68647.6/120

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

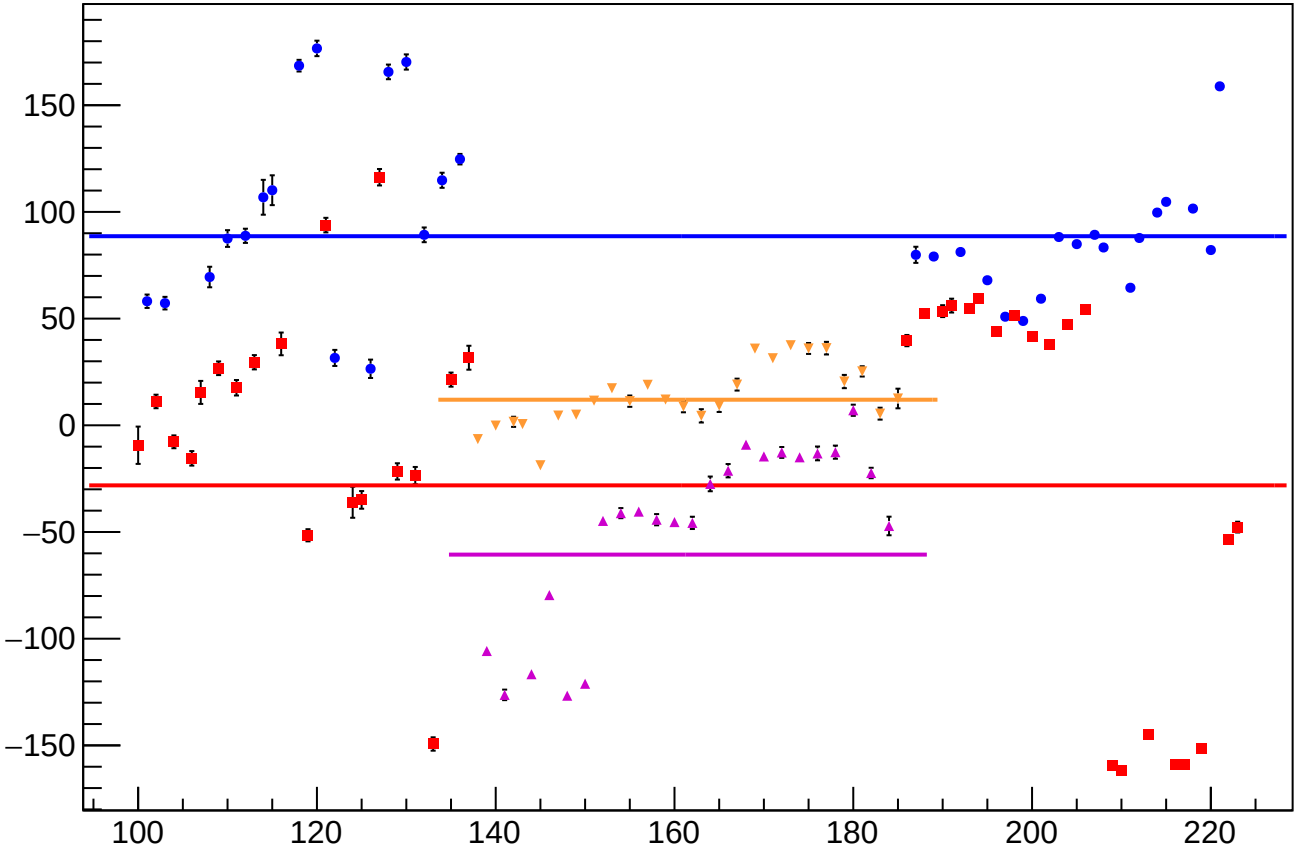
Right: 610.170+/-0.065 χ^2/NDF: 626448.8/72

In: 667.006+/-0.075 χ^2/NDF:1533003.9/56

Out: 664.314+/-0.073 χ^2/NDF:1824950.6/63

All: 665.624+/-0.052 χ^2/NDF: 3358613.7/120

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

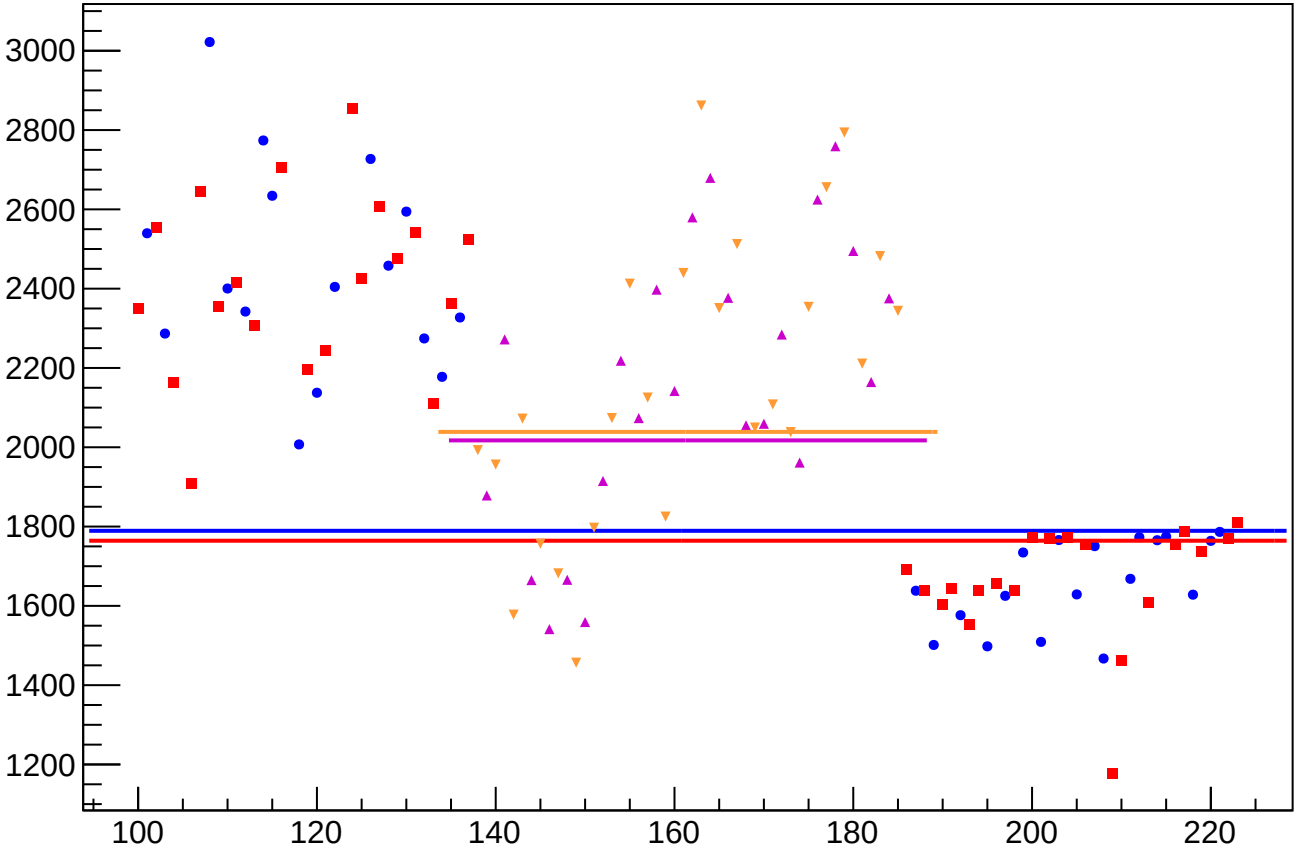
Right: 28.359+/-0.270 χ^2/NDF: 113601.1/72

In: 29.726+/-0.302 χ^2/NDF:73684.4/56

Out: -12.546+/-0.294 χ^2/NDF:65545.1/63

All: 8.015+/-0.211 χ^2/NDF: 149284.9/120

diff_bpm1i06X_rms vs Slug, Sign Corrected



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

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

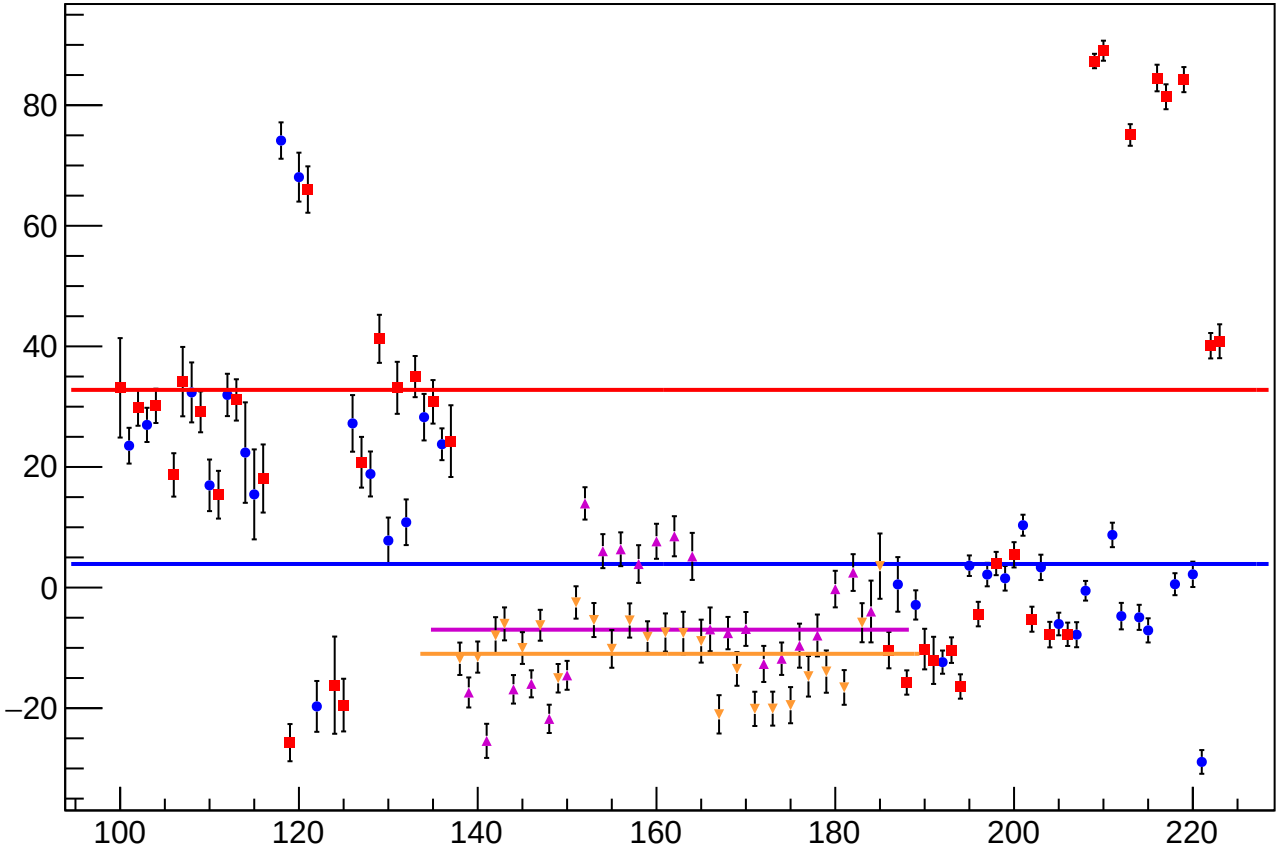
Right: 1776.391+/-0.191 χ^2/NDF: 2921286.1/72

In: 1879.289+/-0.214 χ^2/NDF:2639817.6/56

Out: 1870.996+/-0.208 χ^2/NDF:3137230.1/63

All: 1875.030+/-0.149 χ^2/NDF: 5777821.8/12

diff_bpm1i06Y_mean vs Slug, Sign Corrected



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

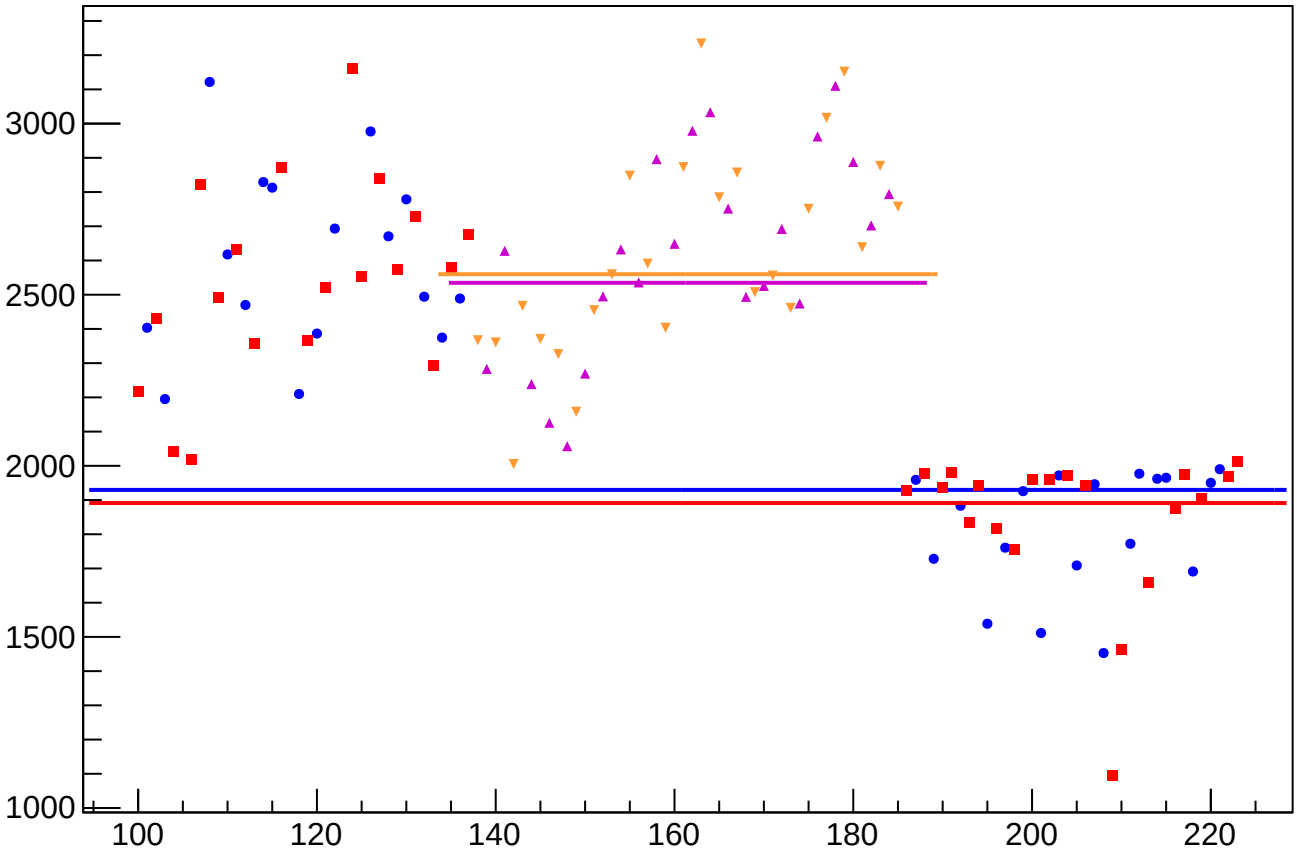
Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

Right: 18.865+/-0.292 χ^2/NDF: 14279.8/72

In: 0.304+/-0.344 χ^2/NDF:2263.6/56

Out: 18.571+/-0.334 χ^2/NDF:13999.2/63

All: 9.720+/-0.240 χ^2/NDF: 17713.0/120



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

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

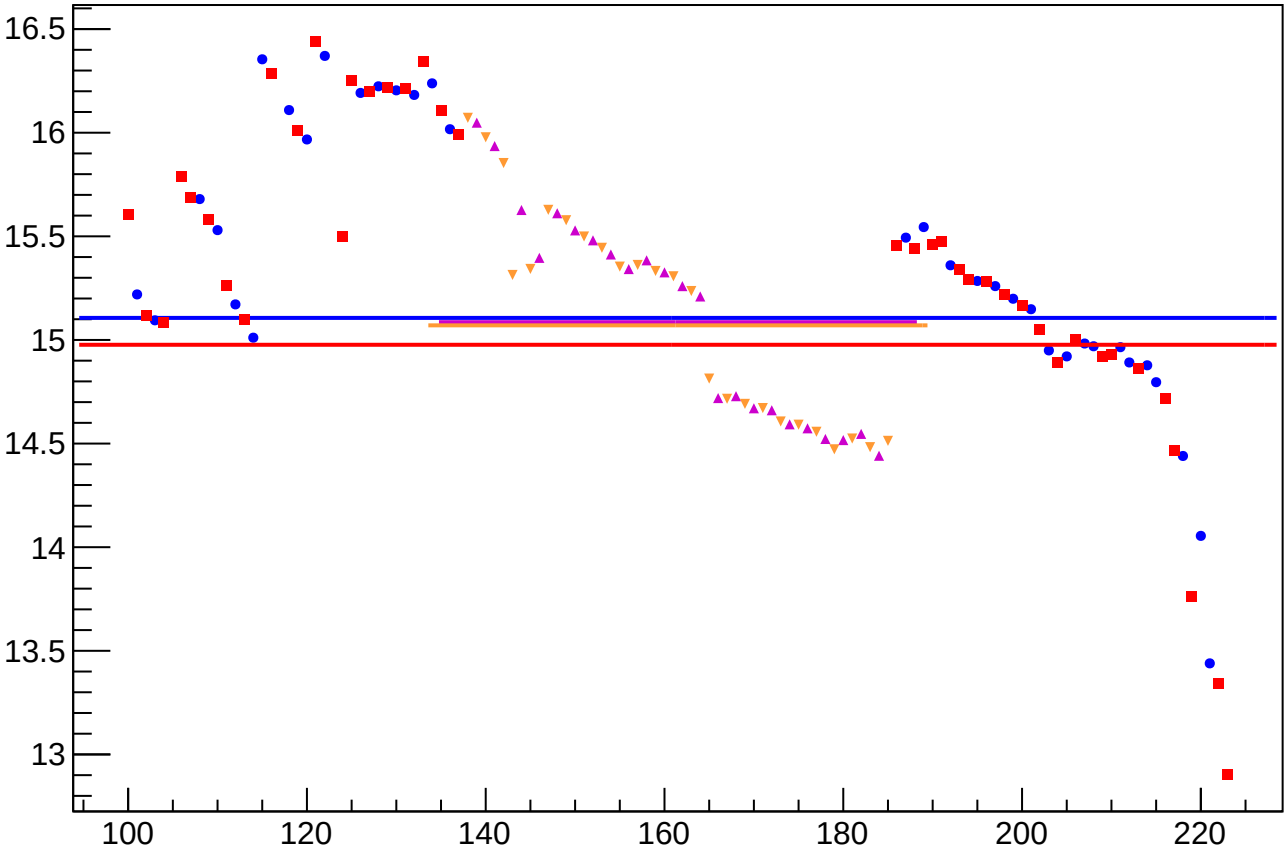
Right: 1909.733+/-0.207 χ^2/NDF: 3406316.1/72

In: 2130.016+/-0.244 χ^2/NDF:3212195.6/56

Out: 2108.380+/-0.236 χ^2/NDF:4226442.9/63

All: 2118.863+/-0.170 χ^2/NDF: 7442707.5/12

yield_sam1_mean vs Slug, Sign Corrected



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

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

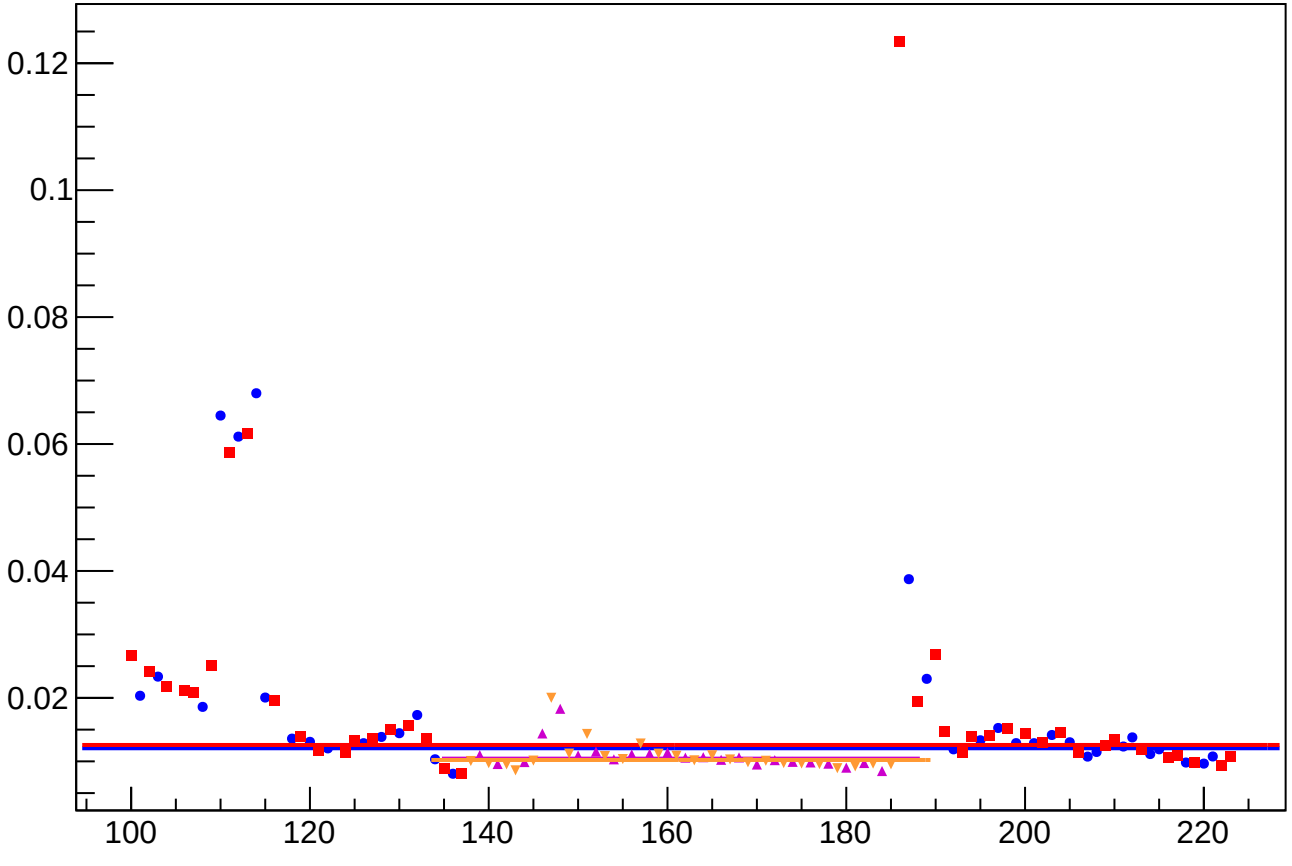
Right: 15.044+/-0.000 χ^2/NDF: 173561248169.5/72

In: 15.095+/-0.000 χ^2/NDF:113170275992.8/56

Out: 15.031+/-0.000 χ^2/NDF:143201642152.7/63

All: 15.063+/-0.000 χ^2/NDF: 256971962938.

yield_sam1_rms vs Slug, Sign Corrected



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

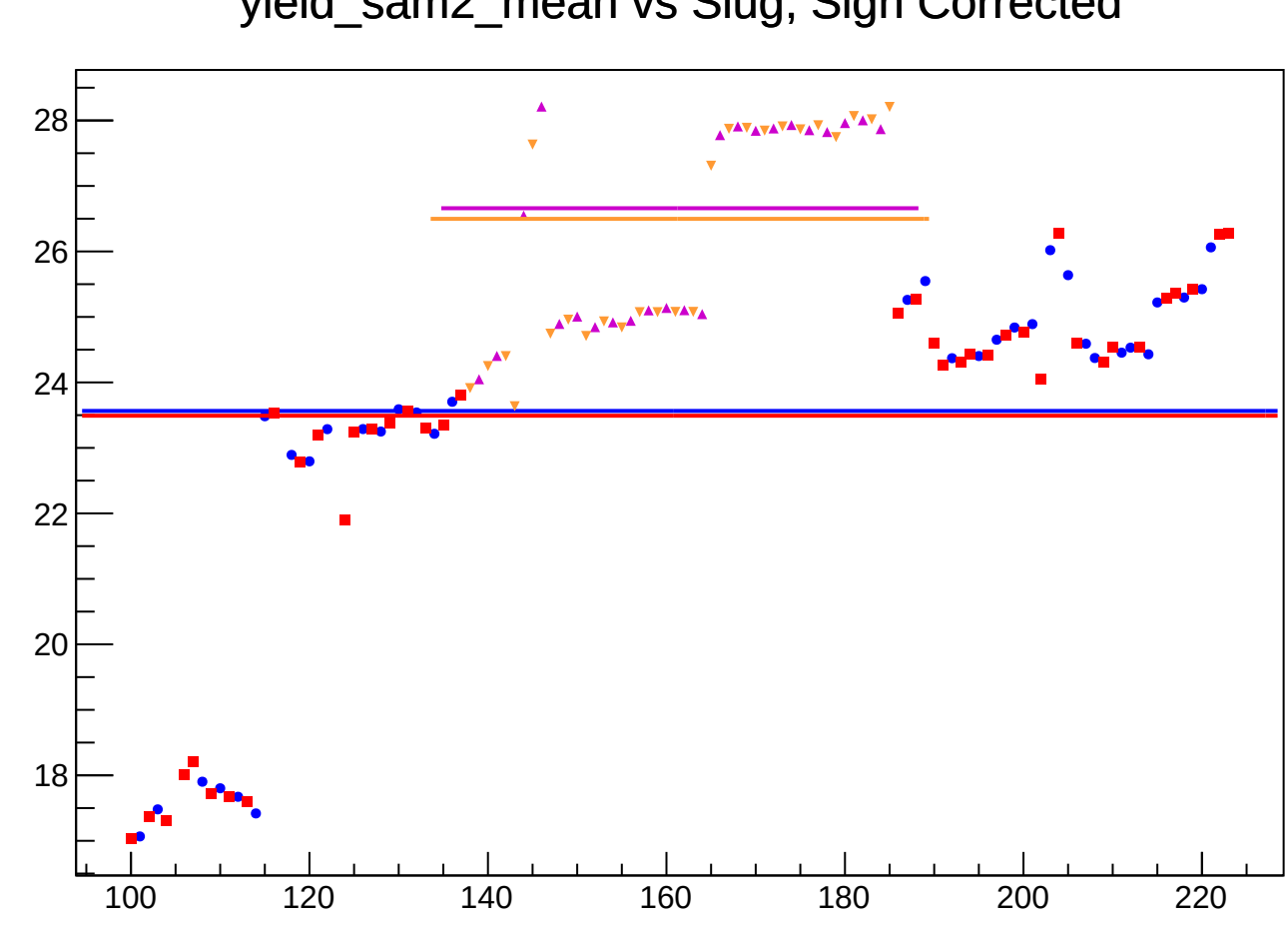
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.012+/-0.000 χ^2/NDF: 7186151.7/72

In: 0.011+/-0.000 χ^2/NDF:4137091.8/56

Out: 0.011+/-0.000 χ^2/NDF:5568835.8/63

All: 0.011+/-0.000 χ^2/NDF: 9706168.5/120



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

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

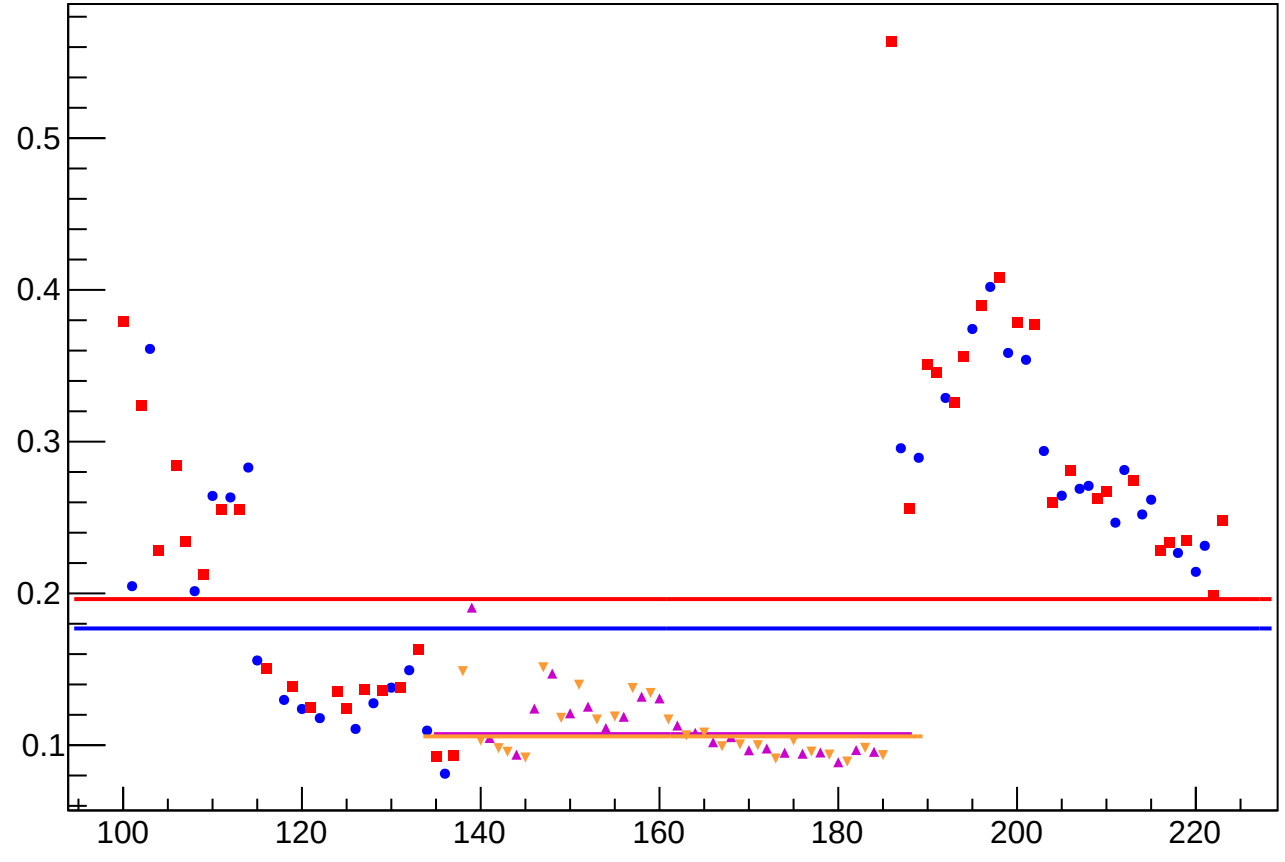
Right: 23.530+/-0.000 χ^2/NDF: 4127446051.2/72

In: 25.788+/-0.000 χ^2/NDF:8504570019.2/56

Out: 25.775+/-0.000 χ^2/NDF:9307395407.9/63

All: 25.782+/-0.000 χ^2/NDF: 17812137121.5

yield_sam2_rms vs Slug, Sign Corrected



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

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

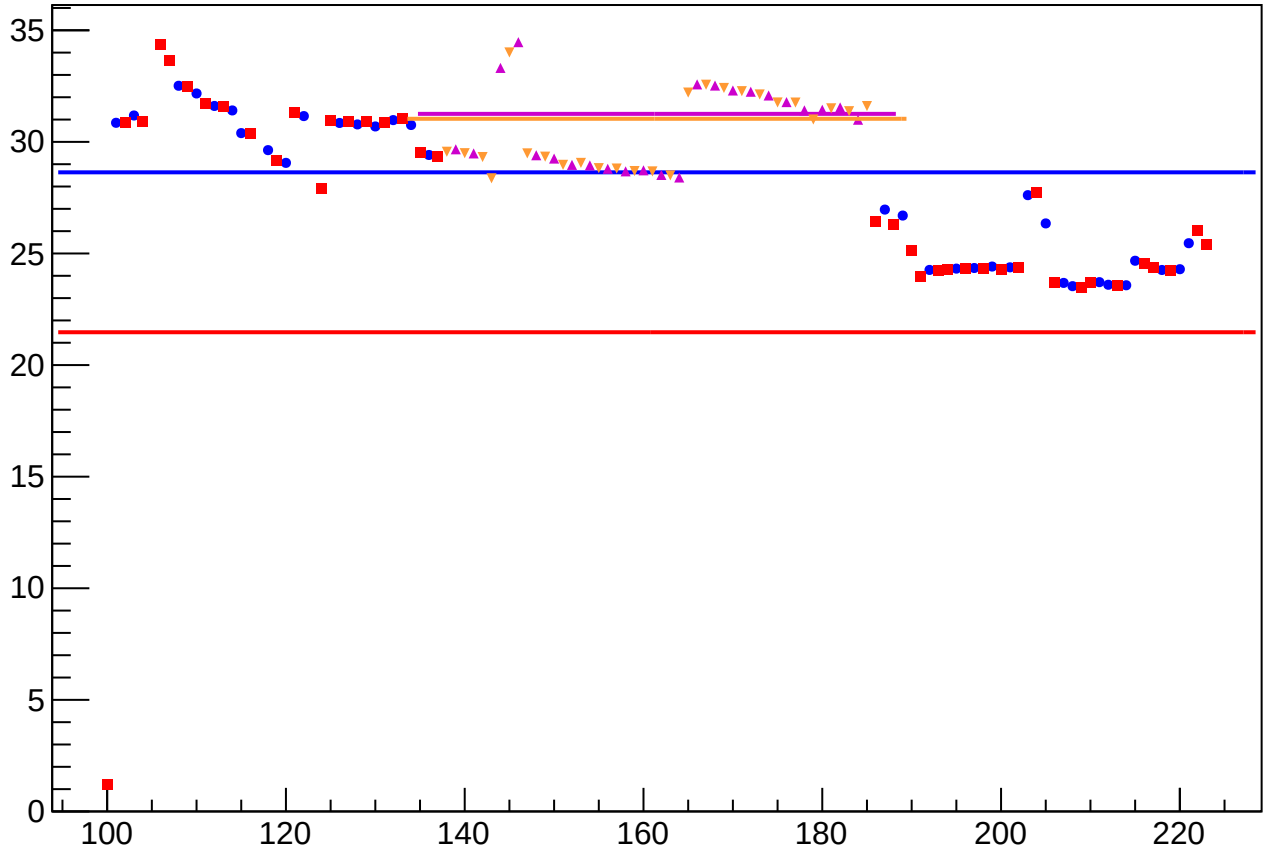
Right: 0.186+/-0.000 χ^2/NDF: 14884003.7/72

In: 0.127+/-0.000 χ^2/NDF:12425026.5/56

Out: 0.128+/-0.000 χ^2/NDF:13436028.5/63

All: 0.127+/-0.000 χ^2/NDF: 25861912.5/120

yield_sam3_mean vs Slug, Sign Corrected



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

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

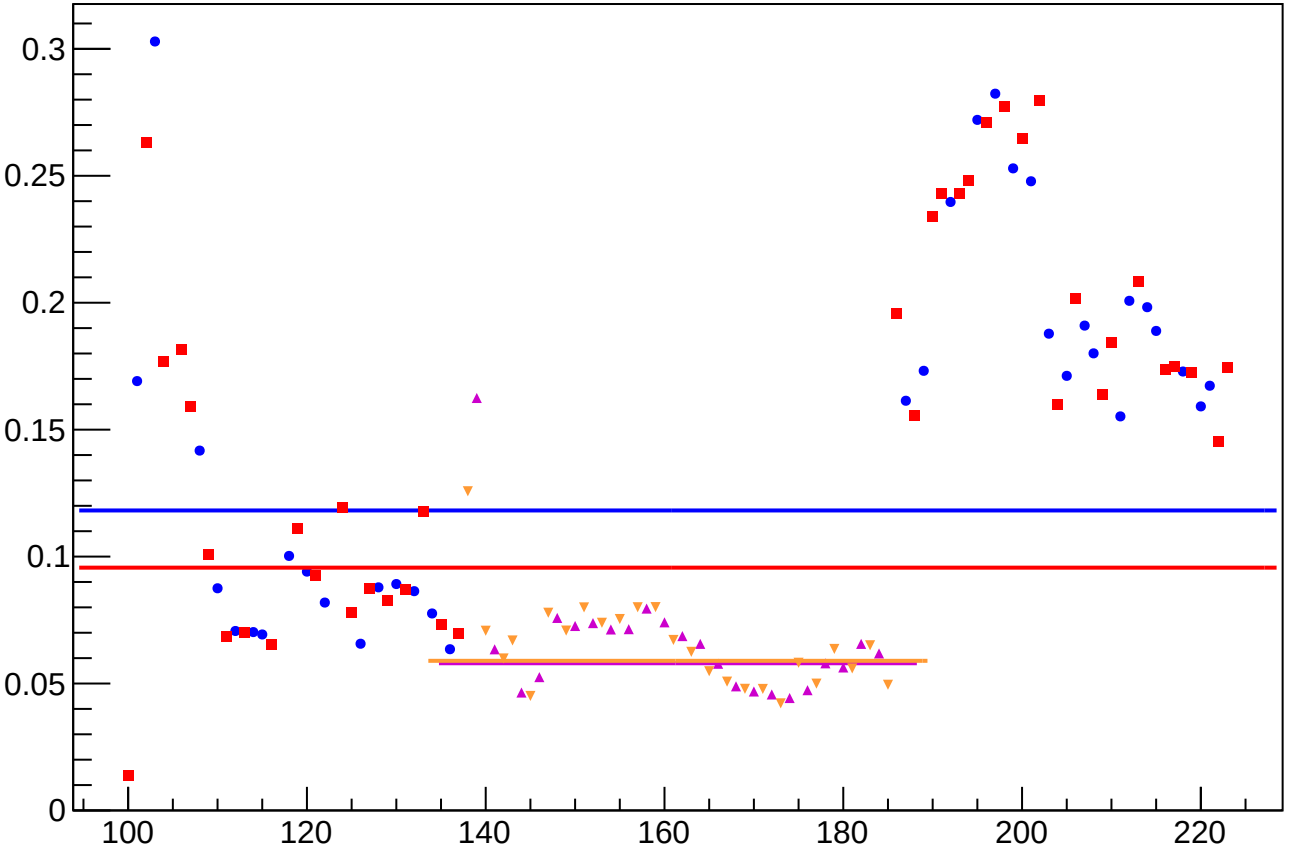
Right: 24.611+/-0.000 χ^2/NDF: 271684681620.8/72

In: 30.681+/-0.000 χ^2/NDF:28853215068.3/56

Out: 28.572+/-0.000 χ^2/NDF:340994189133.2/63

All: 29.581+/-0.000 χ^2/NDF: 382115265387.

yield_sam3_rms vs Slug, Sign Corrected



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

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

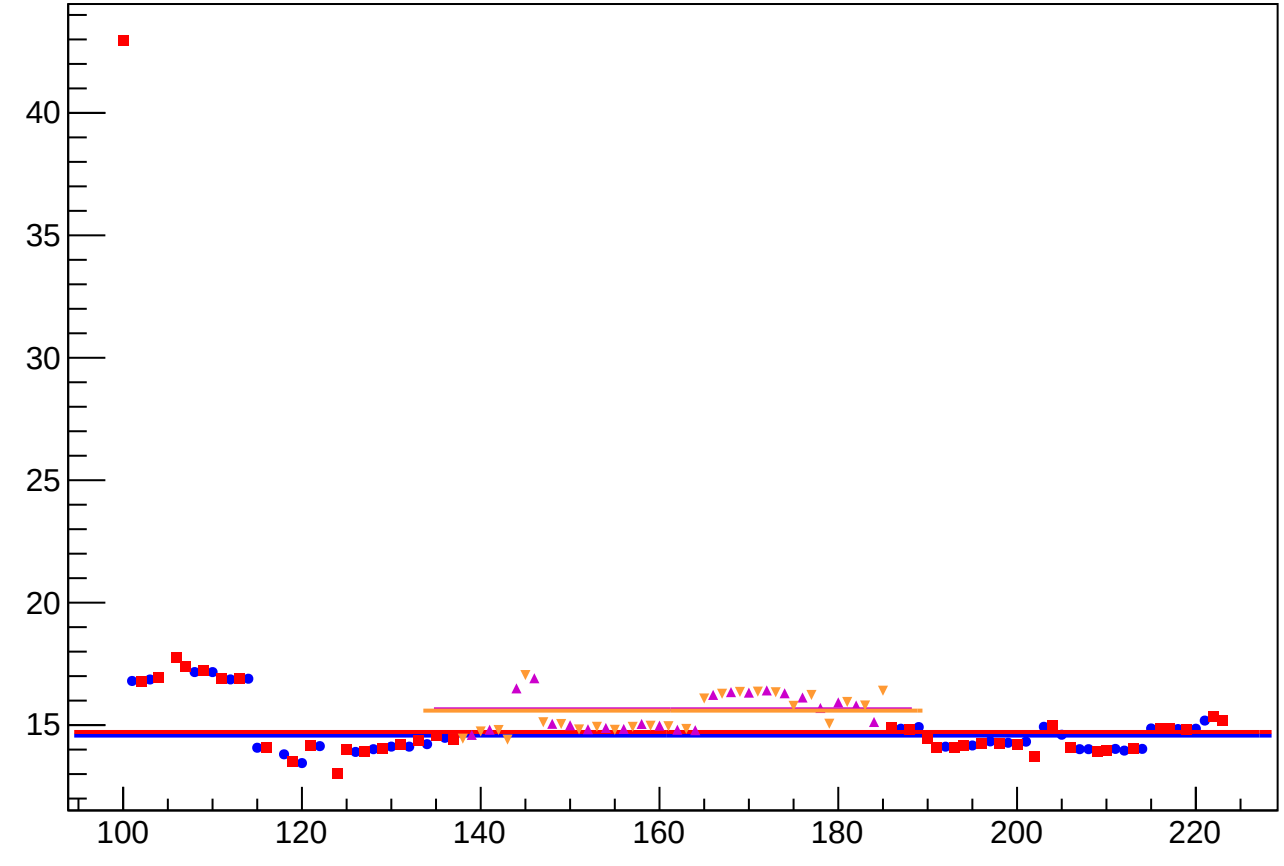
Right: 0.106+/-0.000 χ^2/NDF: 23598359.8/72

In: 0.071+/-0.000 χ^2/NDF:16313900.2/56

Out: 0.068+/-0.000 χ^2/NDF:19402381.6/63

All: 0.070+/-0.000 χ^2/NDF: 35759151.2/120

yield_sam4_mean vs Slug, Sign Corrected



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

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

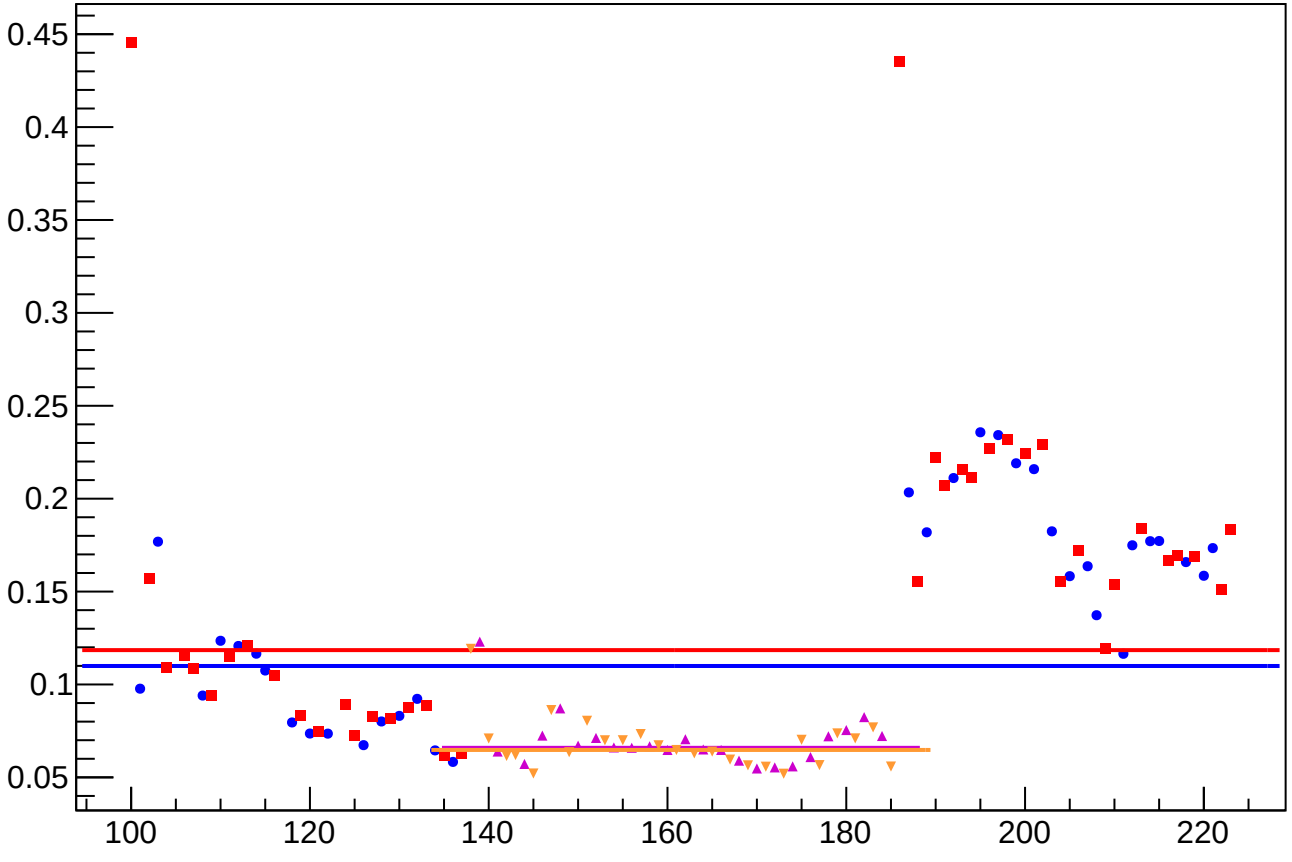
Right: 14.642+/-0.000 χ^2/NDF: 3201668408.0/72

In: 15.340+/-0.000 χ^2/NDF:4319428868.0/56

Out: 15.374+/-0.000 χ^2/NDF:4892778975.2/63

All: 15.357+/-0.000 χ^2/NDF: 9215067285.6/1

yield_sam4_rms vs Slug, Sign Corrected



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

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

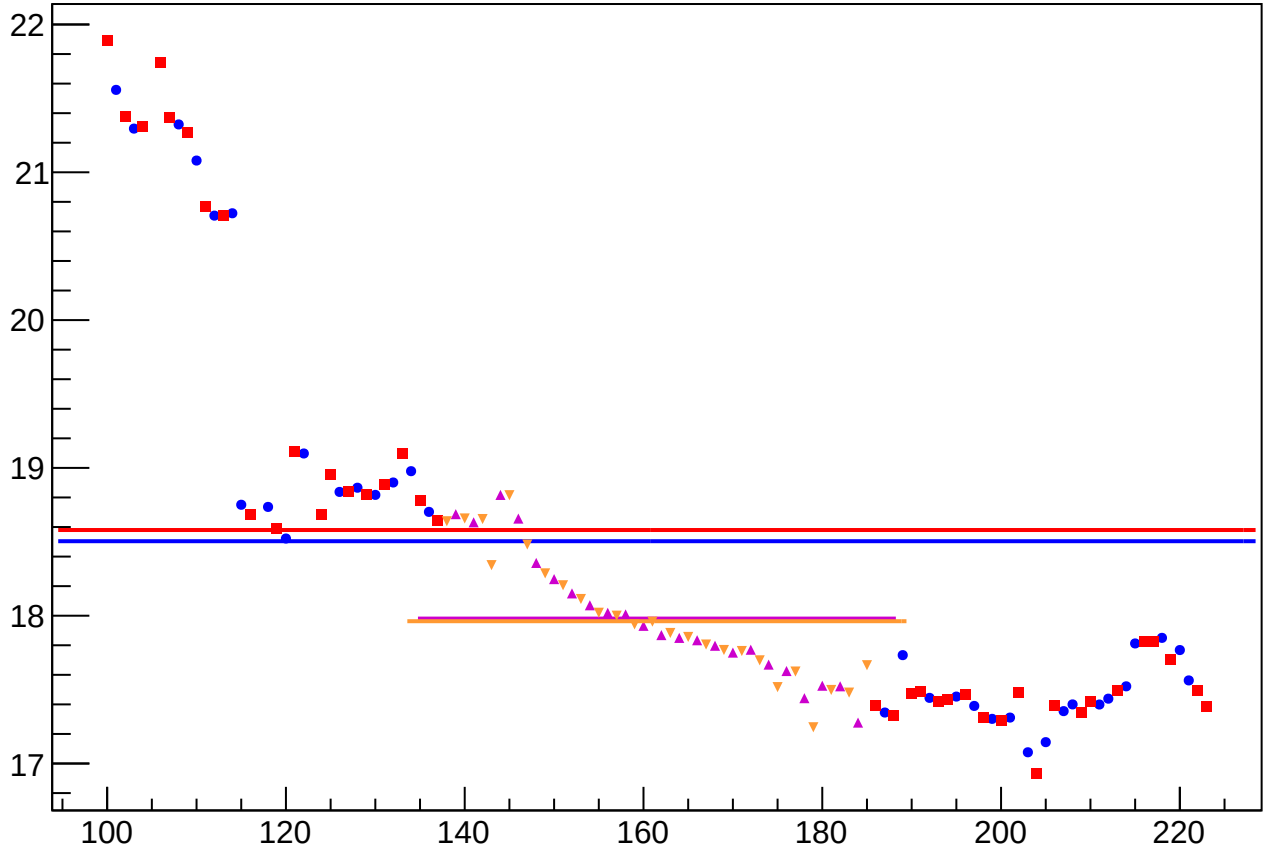
Right: 0.114+/-0.000 χ^2/NDF: 13899605.2/72

In: 0.078+/-0.000 χ^2/NDF:11882805.6/56

Out: 0.078+/-0.000 χ^2/NDF:13124924.4/63

All: 0.078+/-0.000 χ^2/NDF: 25008031.3/120

yield_sam5_mean vs Slug, Sign Corrected



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

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

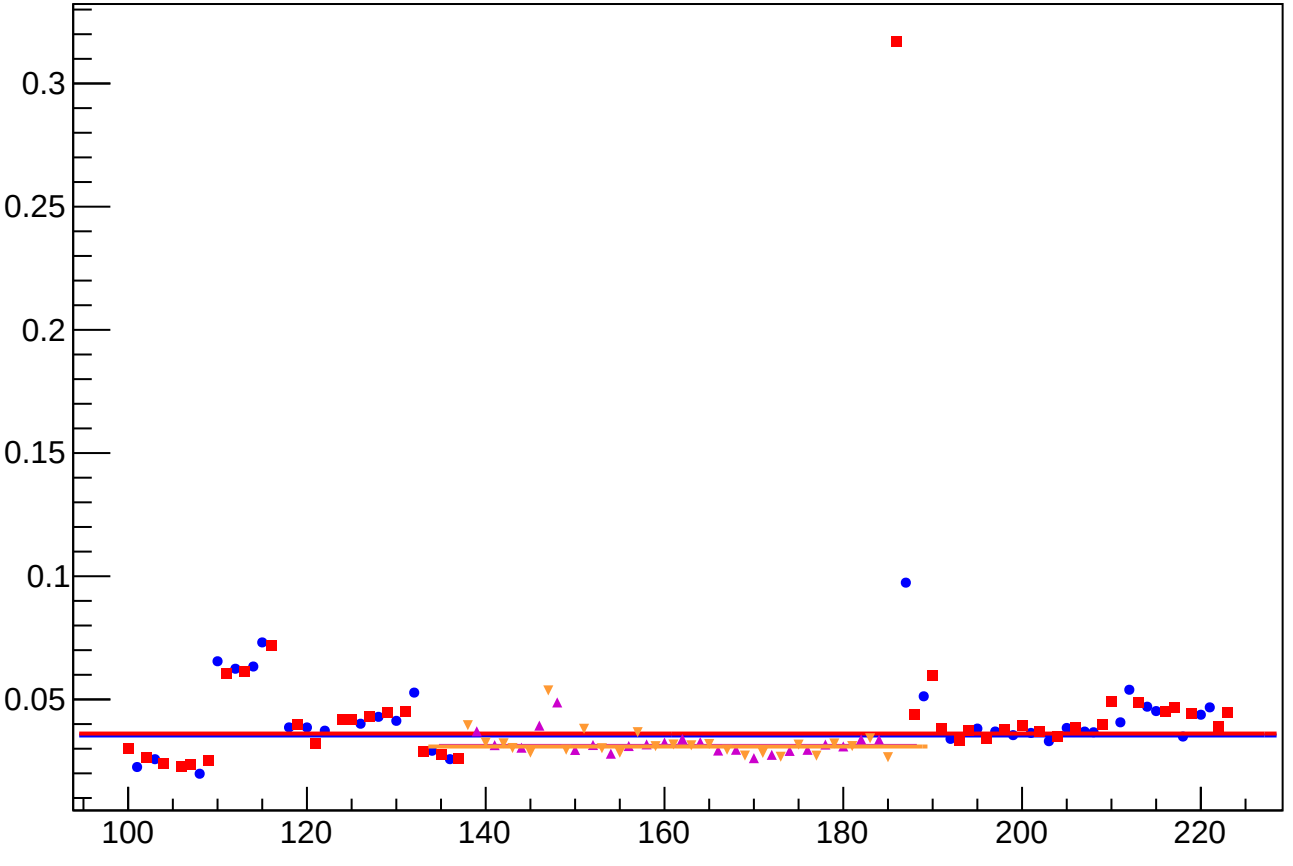
Right: 18.542+/-0.000 χ^2/NDF: 75687452857.8/72

In: 18.225+/-0.000 χ^2/NDF:41232197251.6/56

Out: 18.238+/-0.000 χ^2/NDF:45719725410.5/63

All: 18.232+/-0.000 χ^2/NDF: 86955070871.2

yield_sam5_rms vs Slug, Sign Corrected



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

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

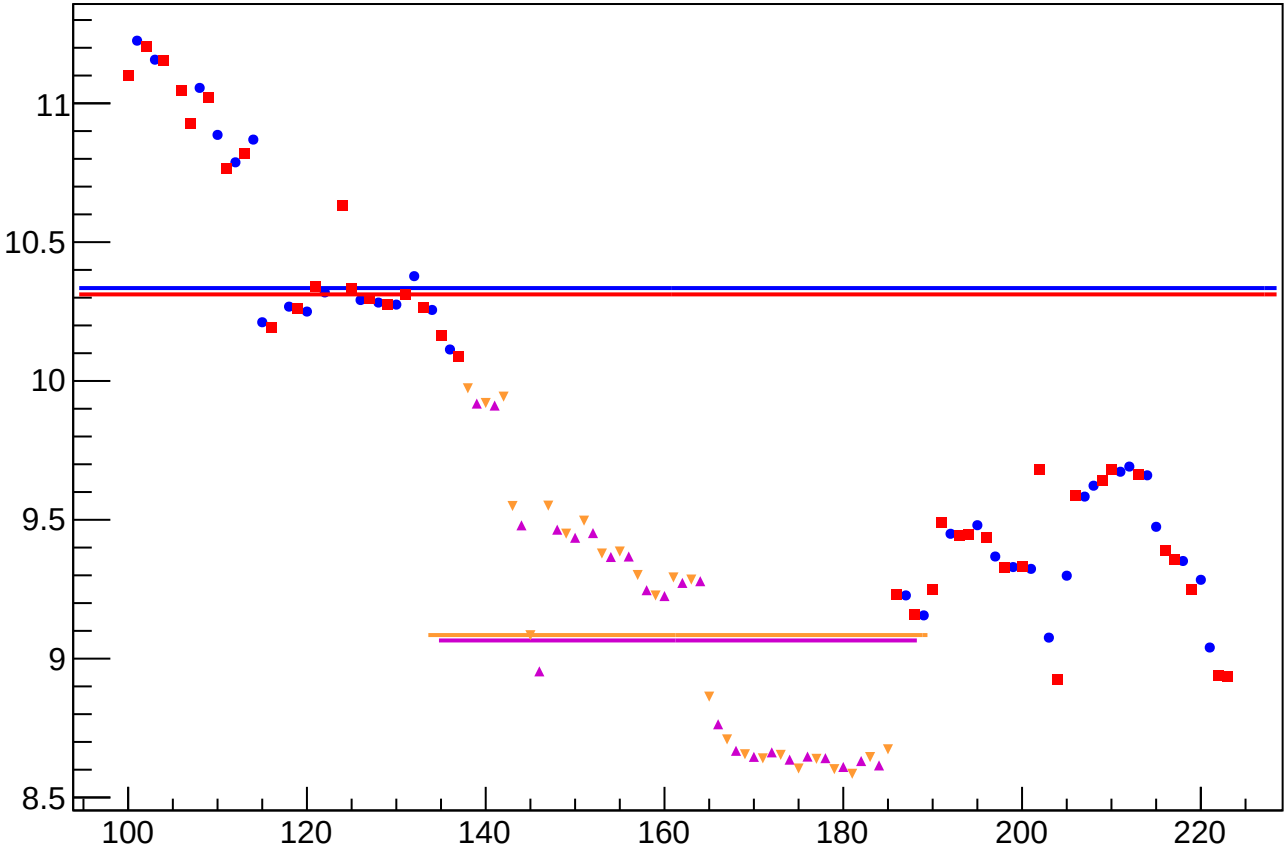
Right: 0.036+/-0.000 χ^2/NDF: 5513444.8/72

In: 0.033+/-0.000 χ^2/NDF:3430530.6/56

Out: 0.033+/-0.000 χ^2/NDF:3963170.0/63

All: 0.033+/-0.000 χ^2/NDF: 7394268.8/120

yield_sam6_mean vs Slug, Sign Corrected



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

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

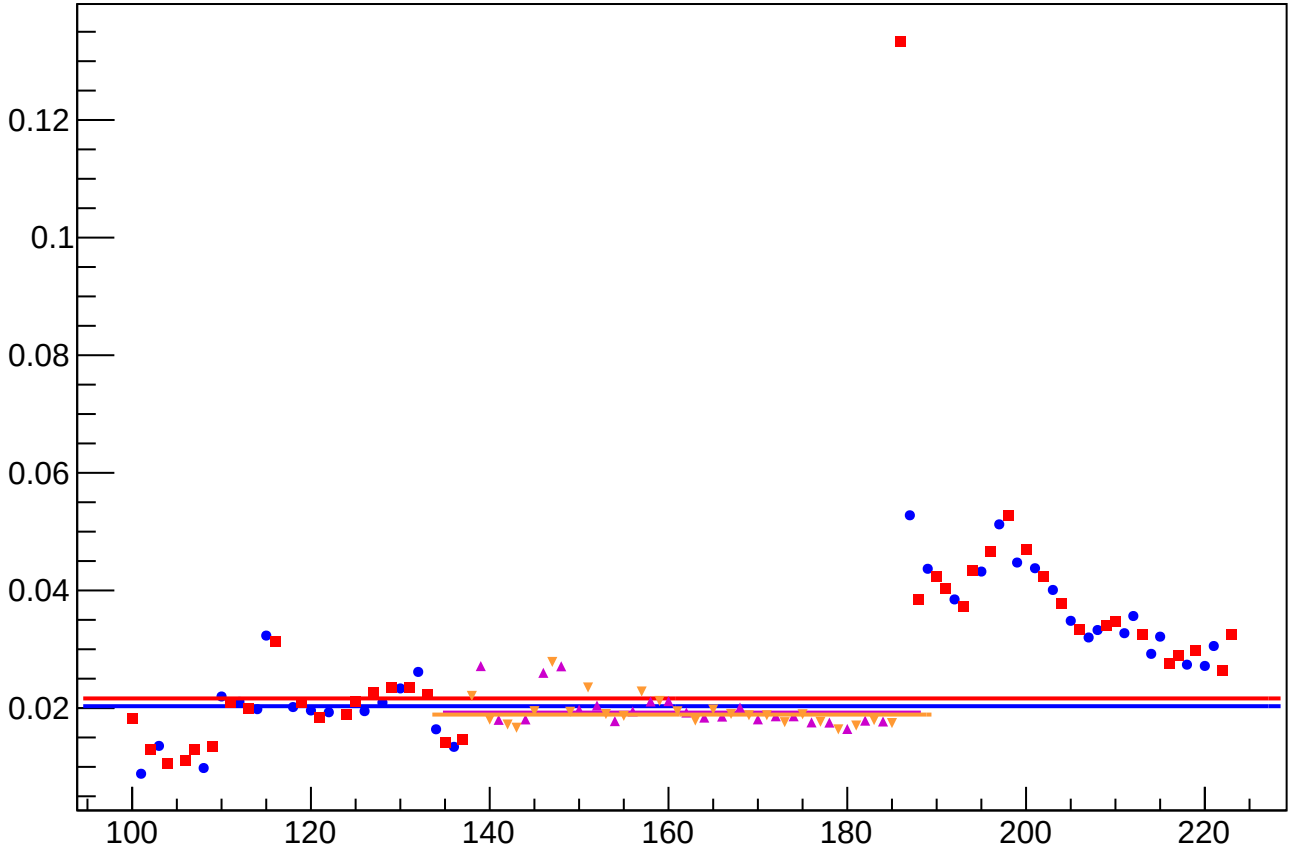
Right: 10.324+/-0.000 χ^2/NDF: 41806180187.7/72

In: 9.661+/-0.000 χ^2/NDF:62882948834.0/56

Out: 9.613+/-0.000 χ^2/NDF:62966749421.8/63

All: 9.637+/-0.000 χ^2/NDF: 125946428478.8

yield_sam6_rms vs Slug, Sign Corrected



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

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

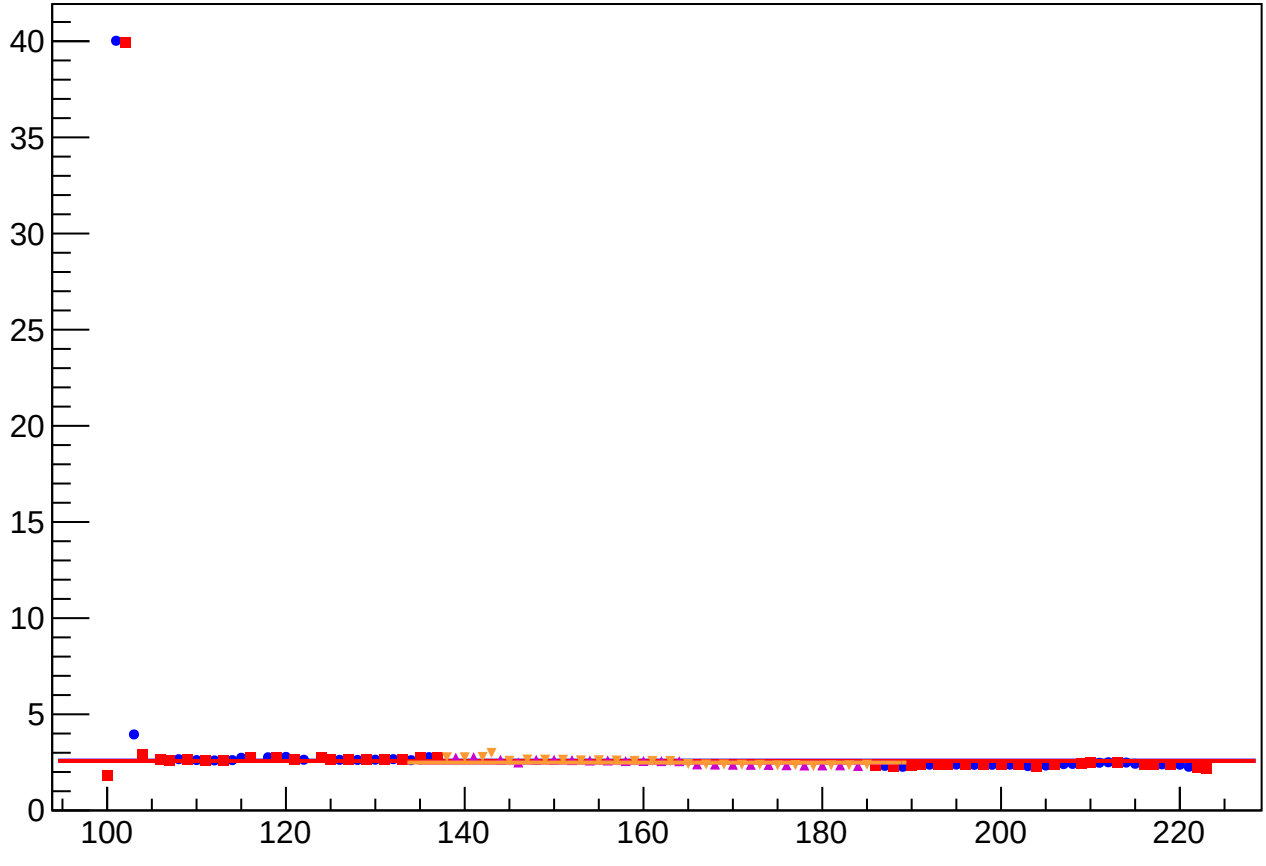
Right: 0.021+/-0.000 χ^2/NDF: 17414367.0/72

In: 0.020+/-0.000 χ^2/NDF:9488764.8/56

Out: 0.020+/-0.000 χ^2/NDF:9210367.6/63

All: 0.020+/-0.000 χ^2/NDF: 18708709.8/120

yield_sam7_mean vs Slug, Sign Corrected



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

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

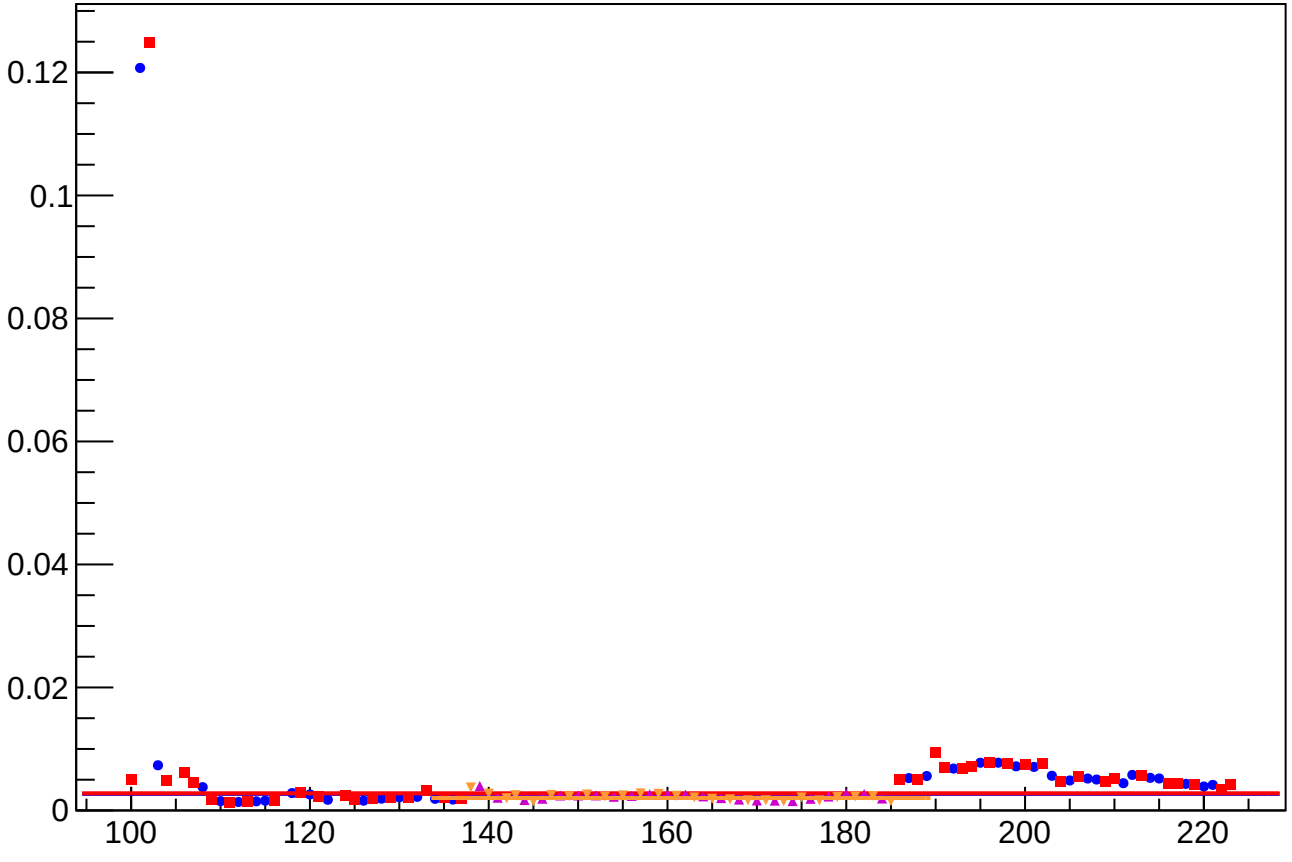
Right: 2.582+/-0.000 χ^2/NDF: 203244757966.6/72

In: 2.526+/-0.000 χ^2/NDF:173766107335.2/56

Out: 2.519+/-0.000 χ^2/NDF:204359963911.9/63

All: 2.522+/-0.000 χ^2/NDF: 378240699990.0

yield_sam7_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

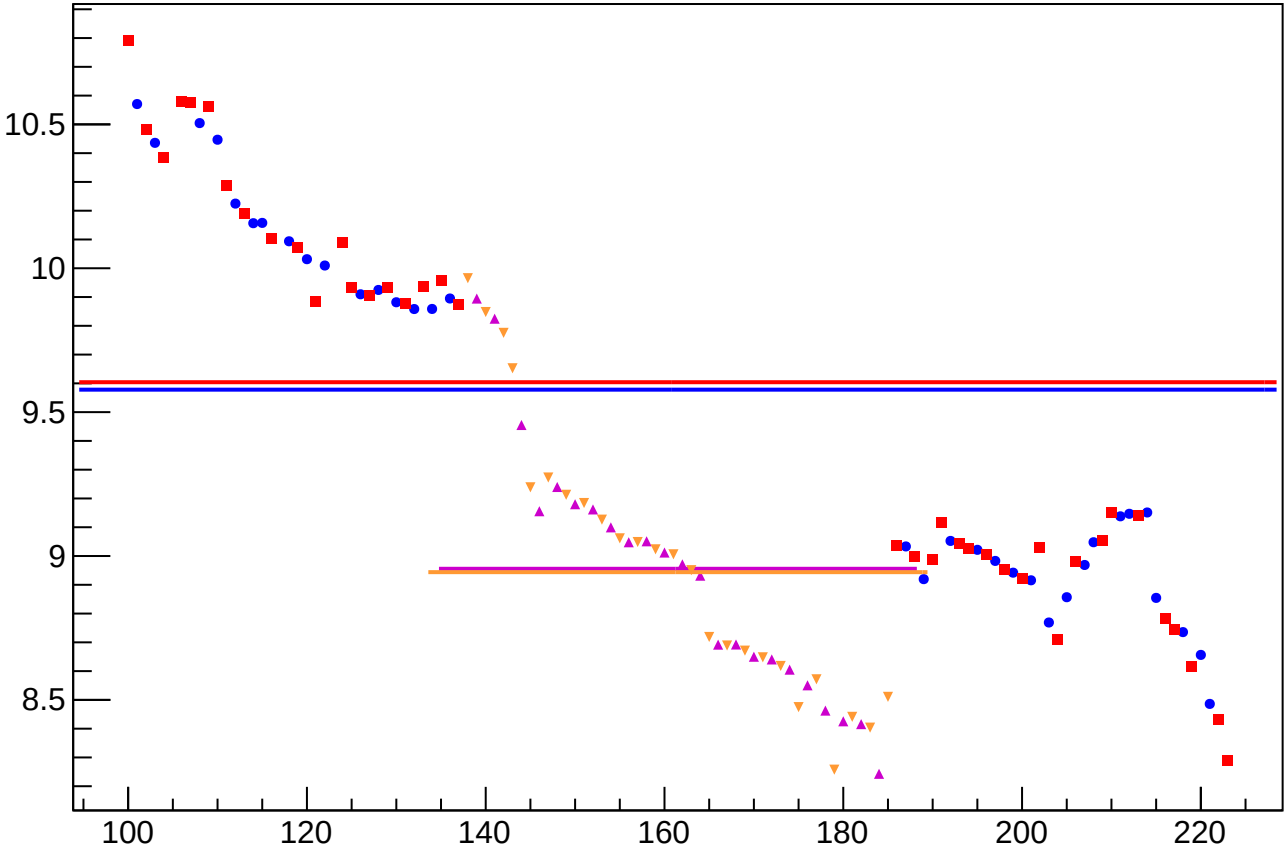
Right: 0.003+/-0.000 χ^2/NDF: 23769148.9/72

In: 0.002+/-0.000 χ^2/NDF:13897054.7/56

Out: 0.002+/-0.000 χ^2/NDF:15286227.4/63

All: 0.002+/-0.000 χ^2/NDF: 29183918.2/120

yield_sam8_mean vs Slug, Sign Corrected



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

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

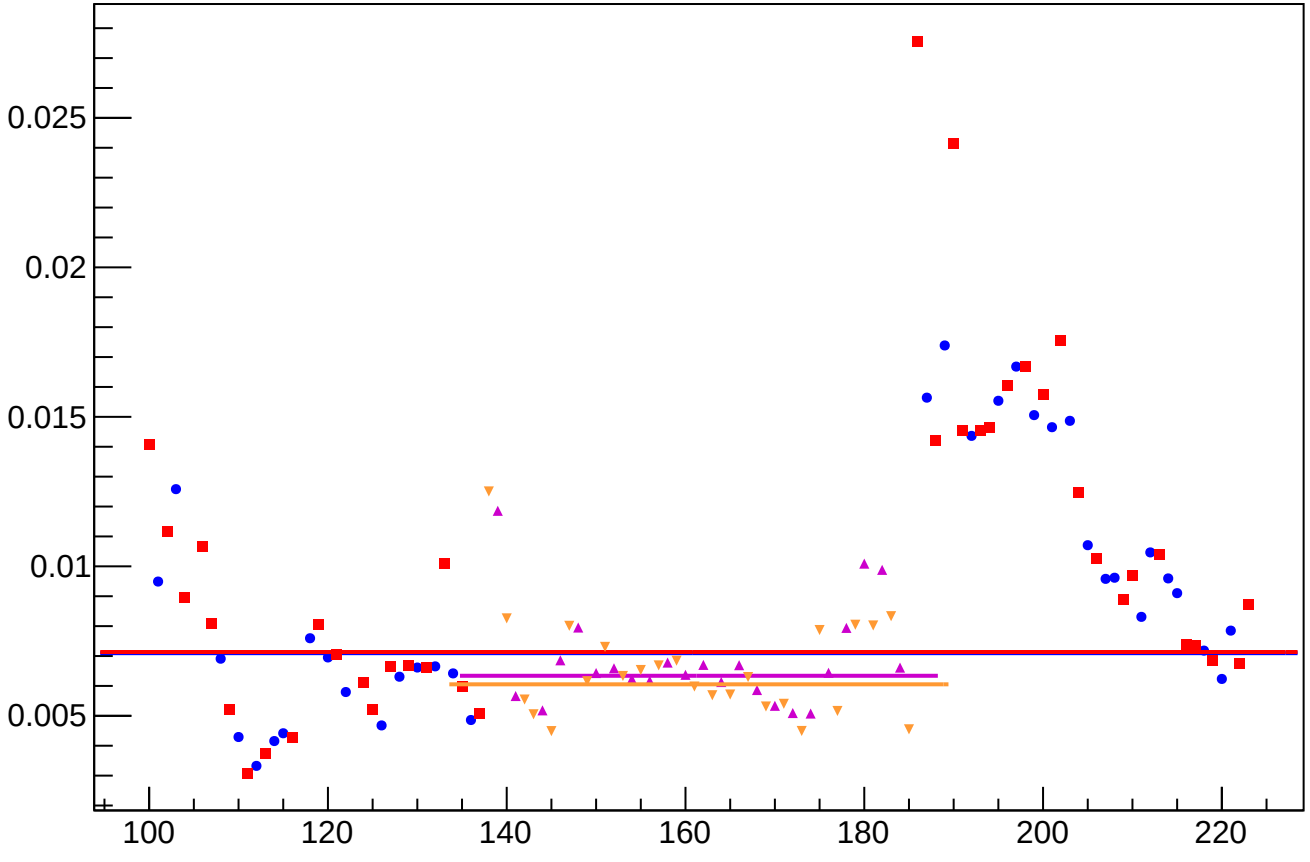
Right: 9.591+/-0.000 χ^2/NDF: 312684012087.0/72

In: 9.255+/-0.000 χ^2/NDF:261612249465.1/56

Out: 9.239+/-0.000 χ^2/NDF:317011237814.5/63

All: 9.247+/-0.000 χ^2/NDF: 578720165976.7

yield_sam8_rms vs Slug, Sign Corrected



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

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

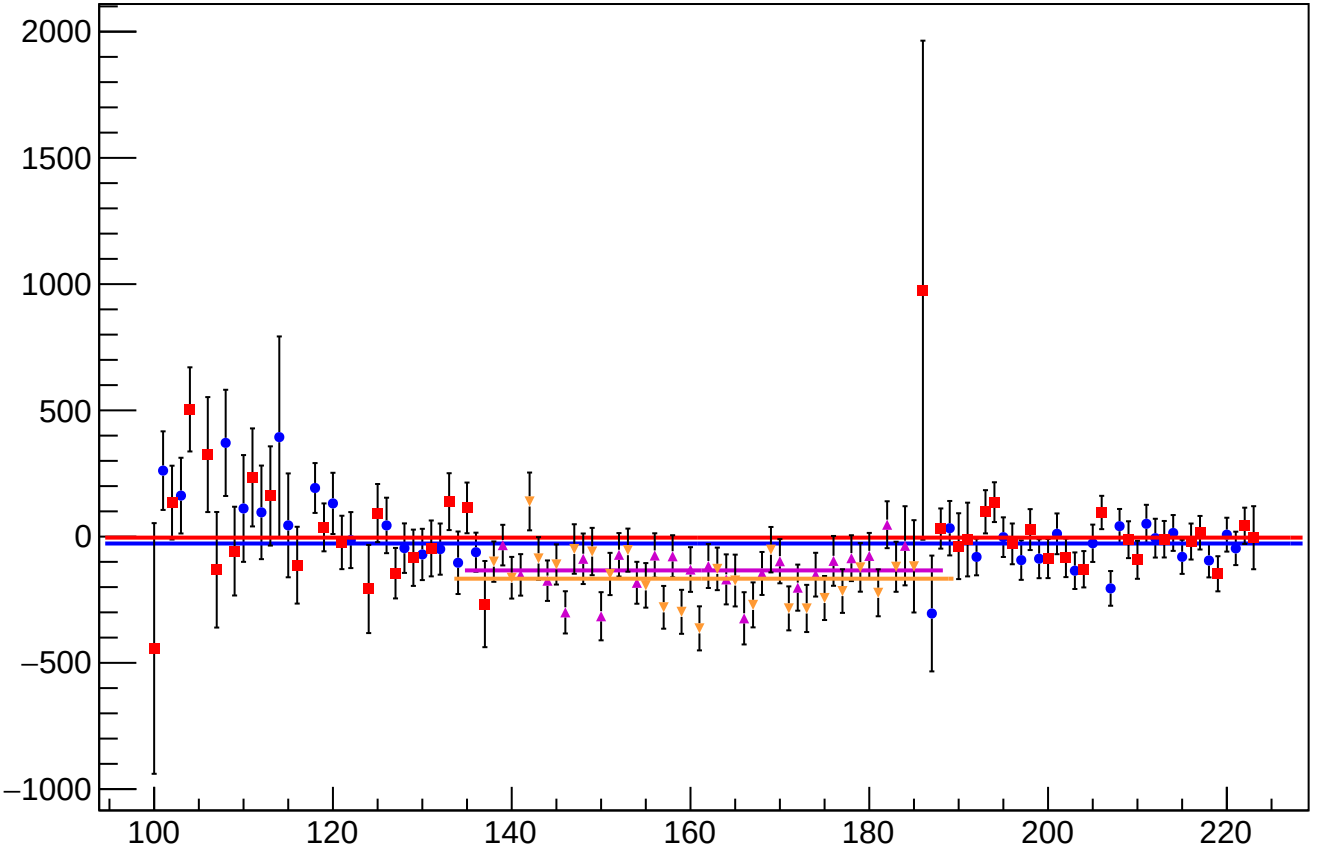
Right: 0.007+/-0.000 χ^2/NDF: 15133915.2/72

In: 0.007+/-0.000 χ^2/NDF:8124032.5/56

Out: 0.007+/-0.000 χ^2/NDF:10279873.9/63

All: 0.007+/-0.000 χ^2/NDF: 18424095.7/120

reg_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

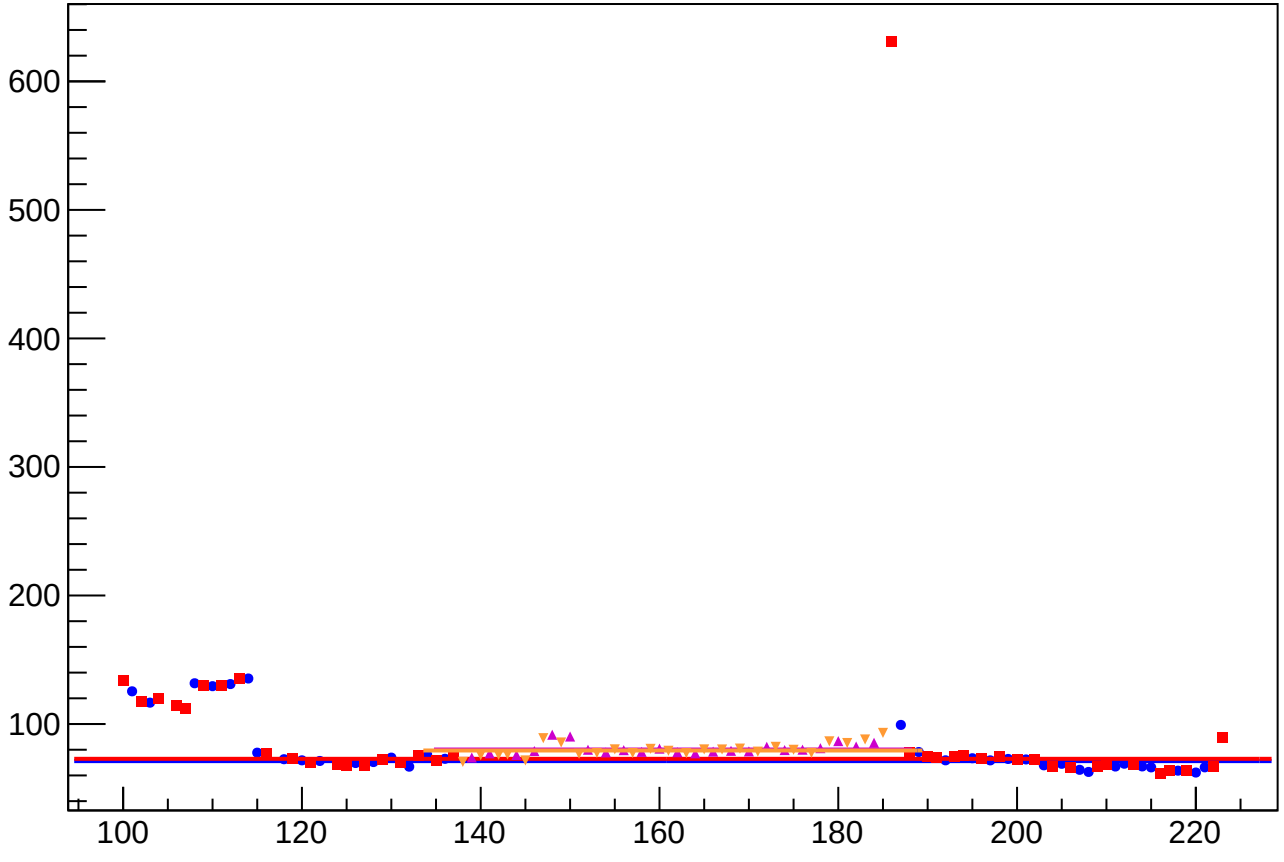
Right: -15.835+/-10.947 χ^2/NDF: 83.5/72

In: -70.103+/-11.886 χ^2/NDF:76.1/56

Out: -73.425+/-11.811 χ^2/NDF:124.4/63

All: -71.774+/-8.378 χ^2/NDF: 200.5/120

reg_asym_sam1_rms vs Slug, Sign Corrected



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

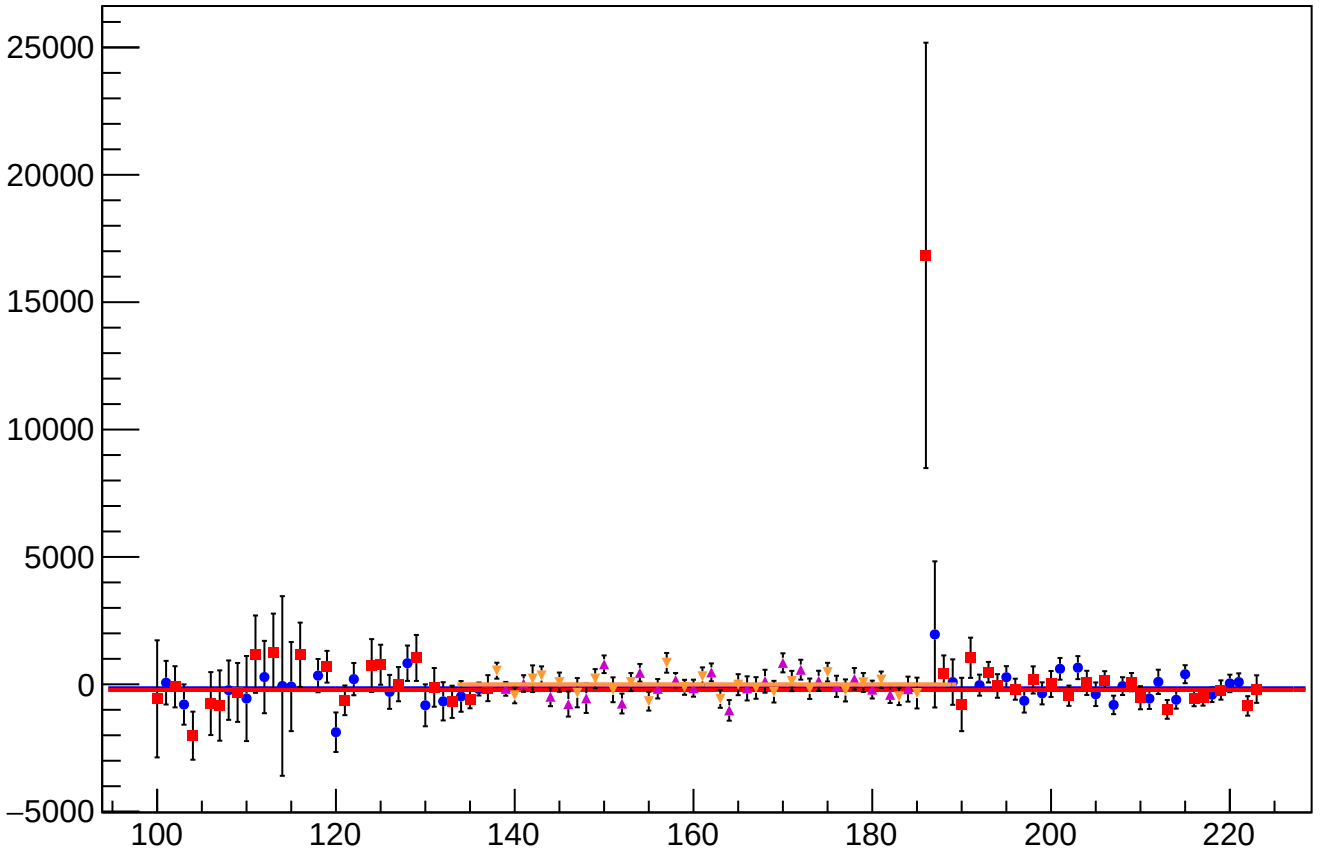
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 72.015+/-0.008 χ^2/NDF: 3214296.3/72

In: 74.757+/-0.008 χ^2/NDF:1580985.5/56

Out: 75.694+/-0.008 χ^2/NDF:2270899.3/63

All: 75.229+/-0.006 χ^2/NDF: 3858144.7/120



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

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

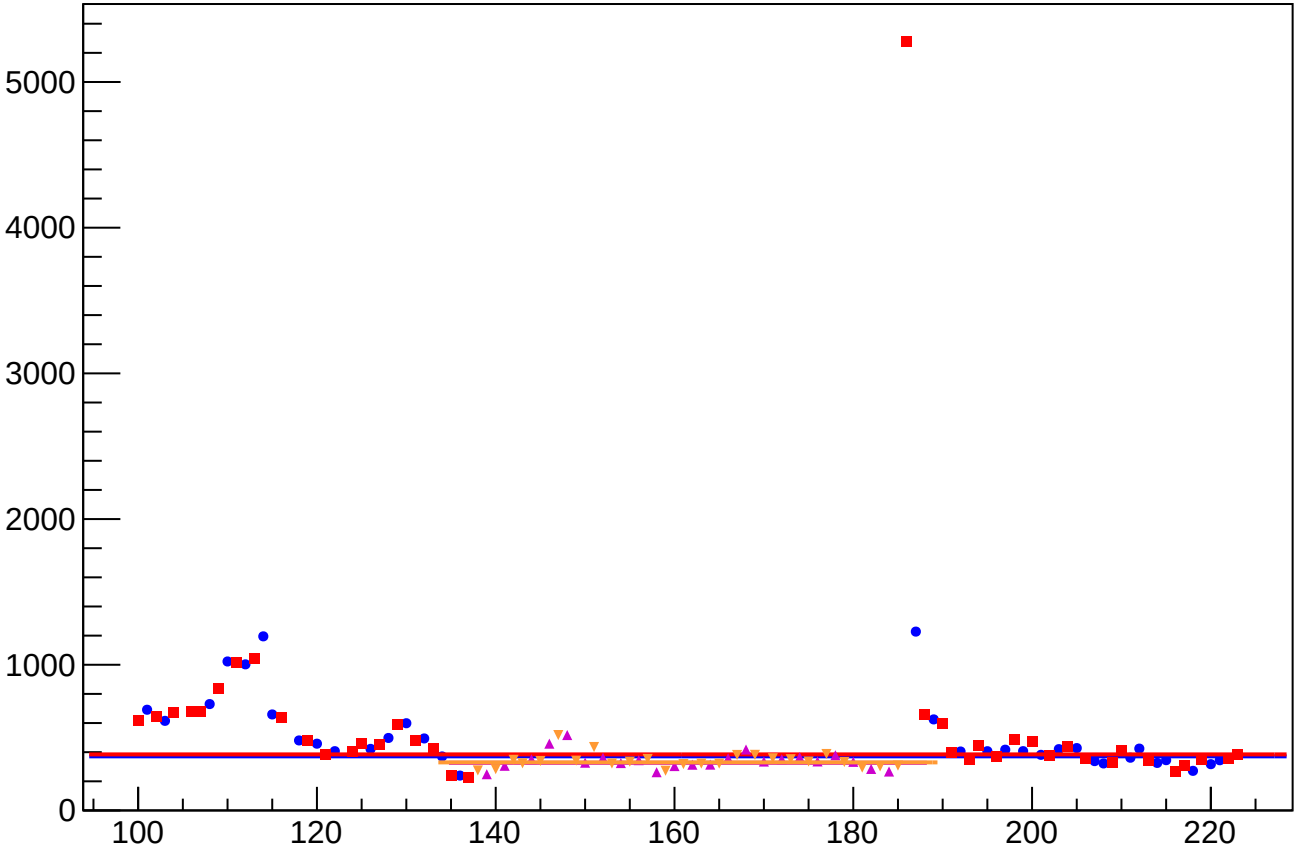
Right: -188.176+/-59.269 χ^2/NDF: 70.1/72

In: -82.964+/-56.559 χ^2/NDF:66.6/56

Out: -100.746+/-56.600 χ^2/NDF:67.4/63

All: -91.849+/-40.008 χ^2/NDF: 134.1/120

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



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

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

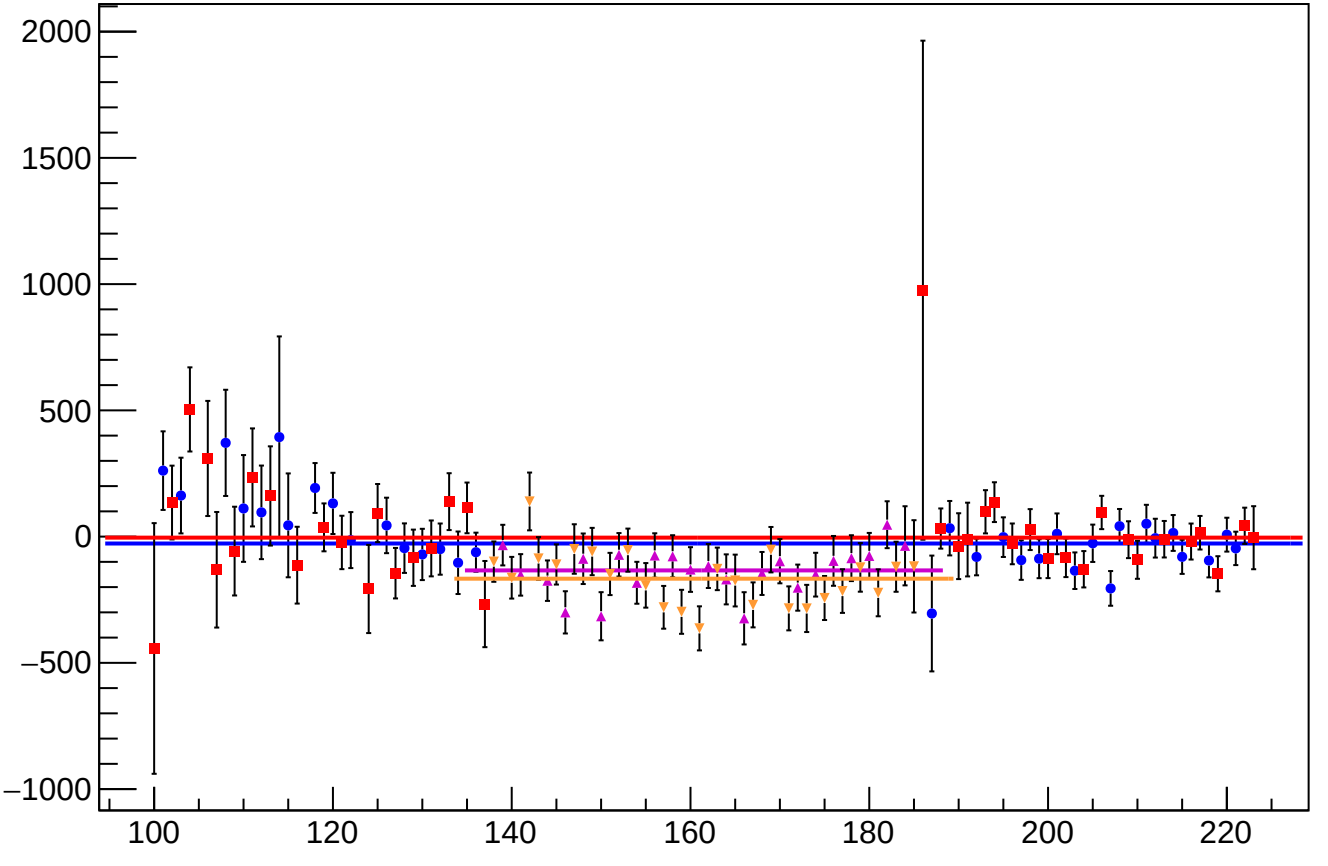
Right: 377.927+/-0.042 χ^2/NDF: 7626992.3/72

In: 347.778+/-0.040 χ^2/NDF:4519684.4/56

Out: 354.269+/-0.040 χ^2/NDF:5411457.1/63

All: 351.021+/-0.028 χ^2/NDF: 9944302.1/120

cor_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

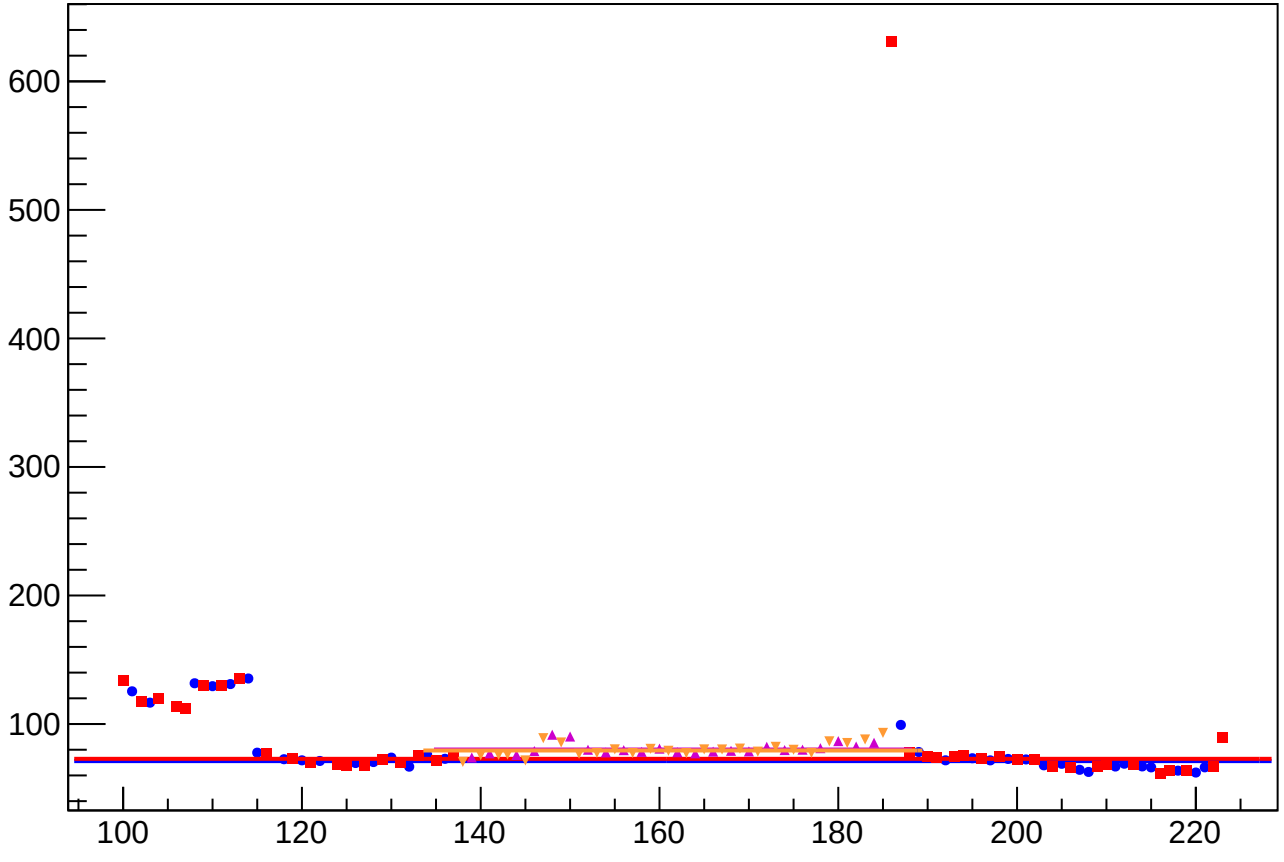
Right: -15.875+/-10.947 χ^2/NDF: 83.3/72

In: -70.107+/-11.886 χ^2/NDF:76.1/56

Out: -73.470+/-11.811 χ^2/NDF:124.1/63

All: -71.799+/-8.378 χ^2/NDF: 200.3/120

cor_asym_sam1_rms vs Slug, Sign Corrected



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

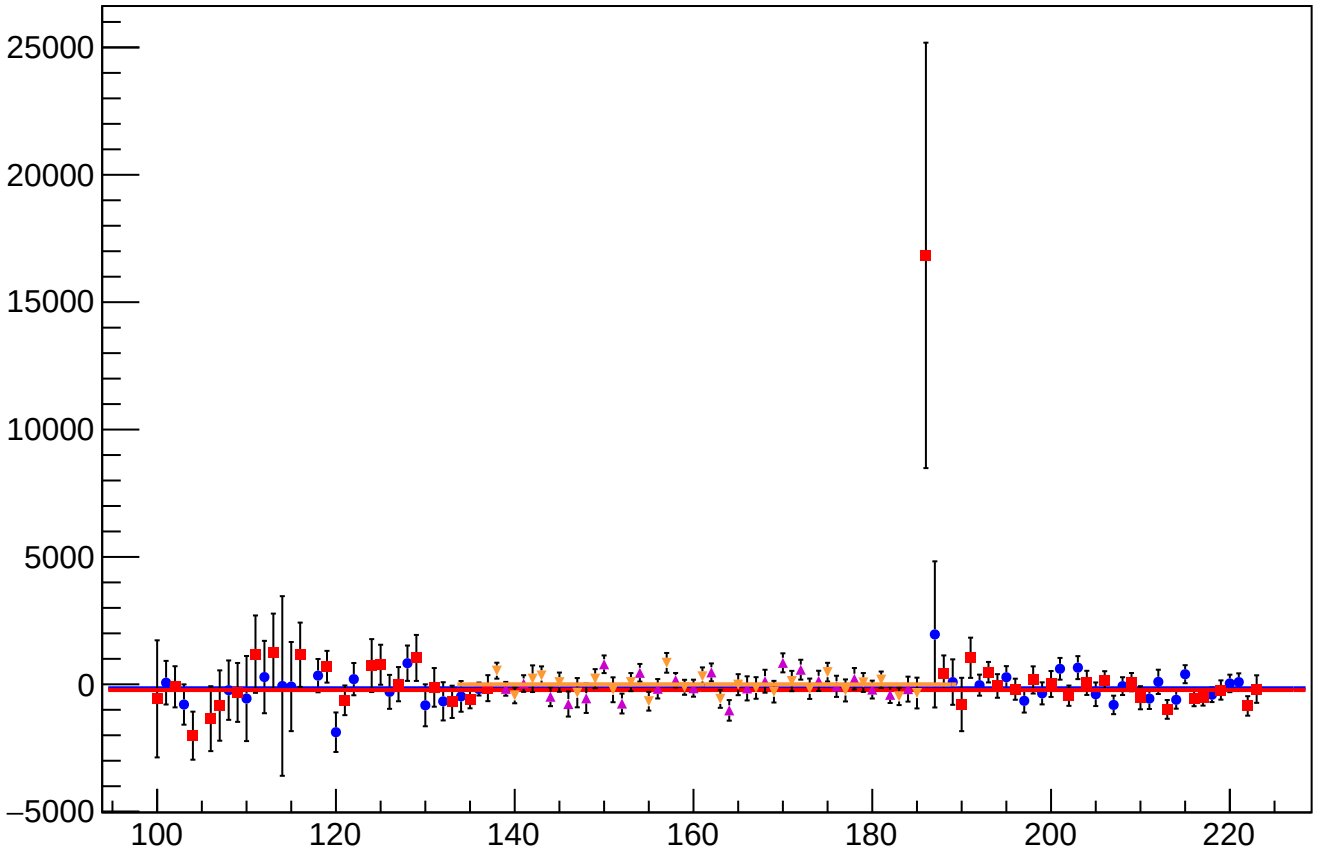
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.013+/-0.008 χ^2/NDF: 3211791.6/72

In: 74.757+/-0.008 χ^2/NDF:1580985.8/56

Out: 75.692+/-0.008 χ^2/NDF:2268631.0/63

All: 75.227+/-0.006 χ^2/NDF: 3855846.9/120



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

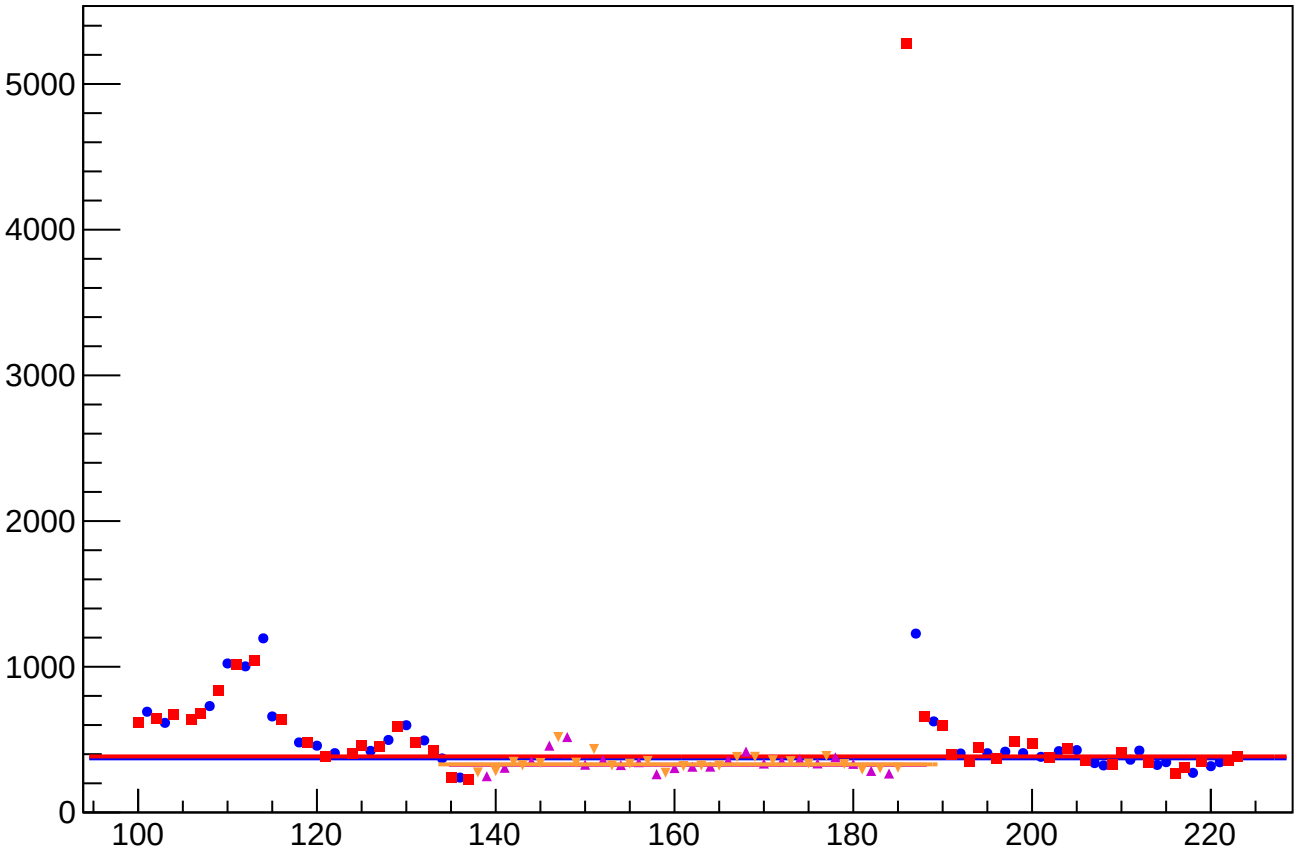
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -189.384+/-59.273 χ^2/NDF: 70.8/72

In: -82.971+/-56.559 χ^2/NDF:66.6/56

Out: -101.833+/-56.604 χ^2/NDF:68.1/63

All: -92.394+/-40.009 χ^2/NDF: 134.8/120



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

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

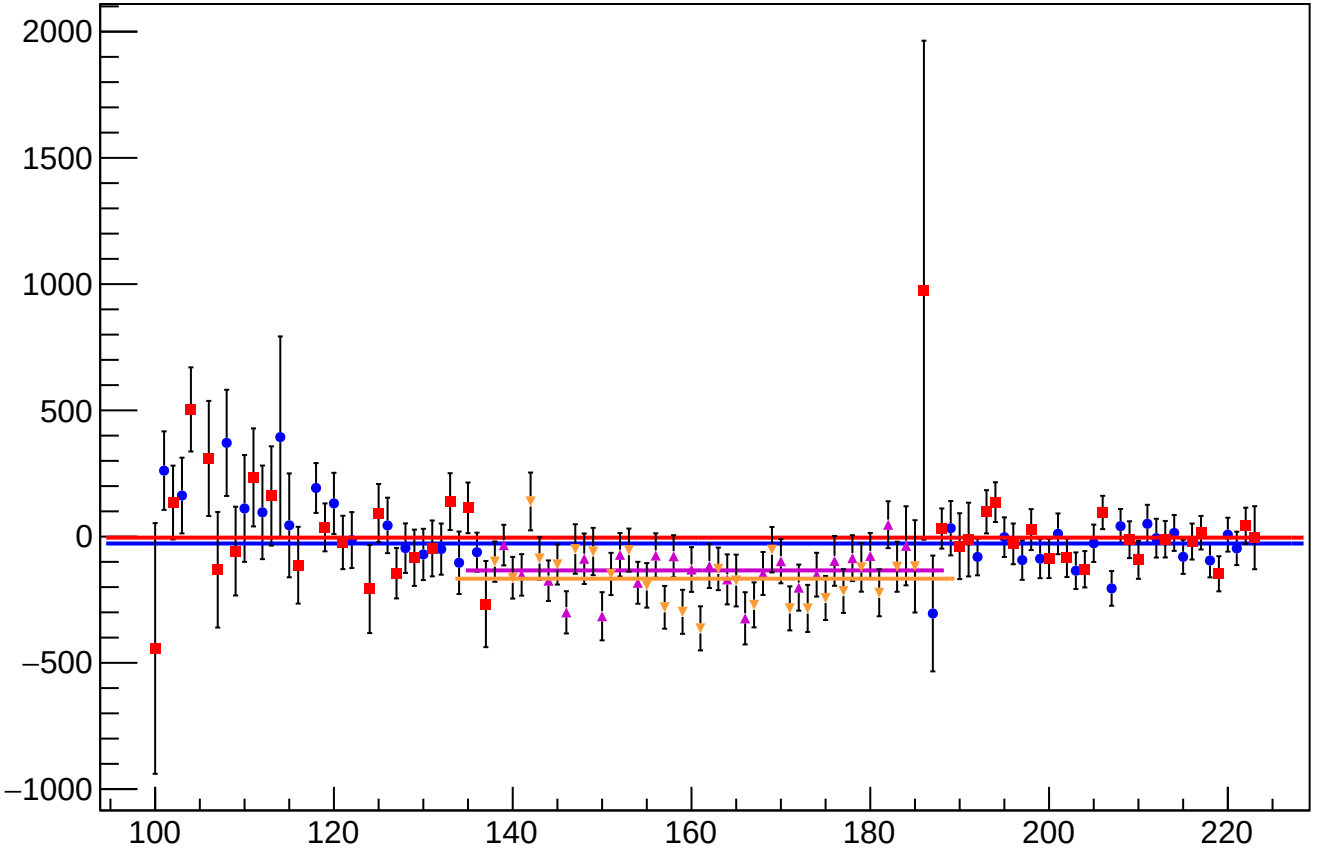
Right: 377.801+/-0.042 χ^2/NDF: 7592543.2/72

In: 347.778+/-0.040 χ^2/NDF:4519688.9/56

Out: 354.151+/-0.040 χ^2/NDF:5373563.1/63

All: 350.962+/-0.028 χ^2/NDF: 9905935.8/120

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

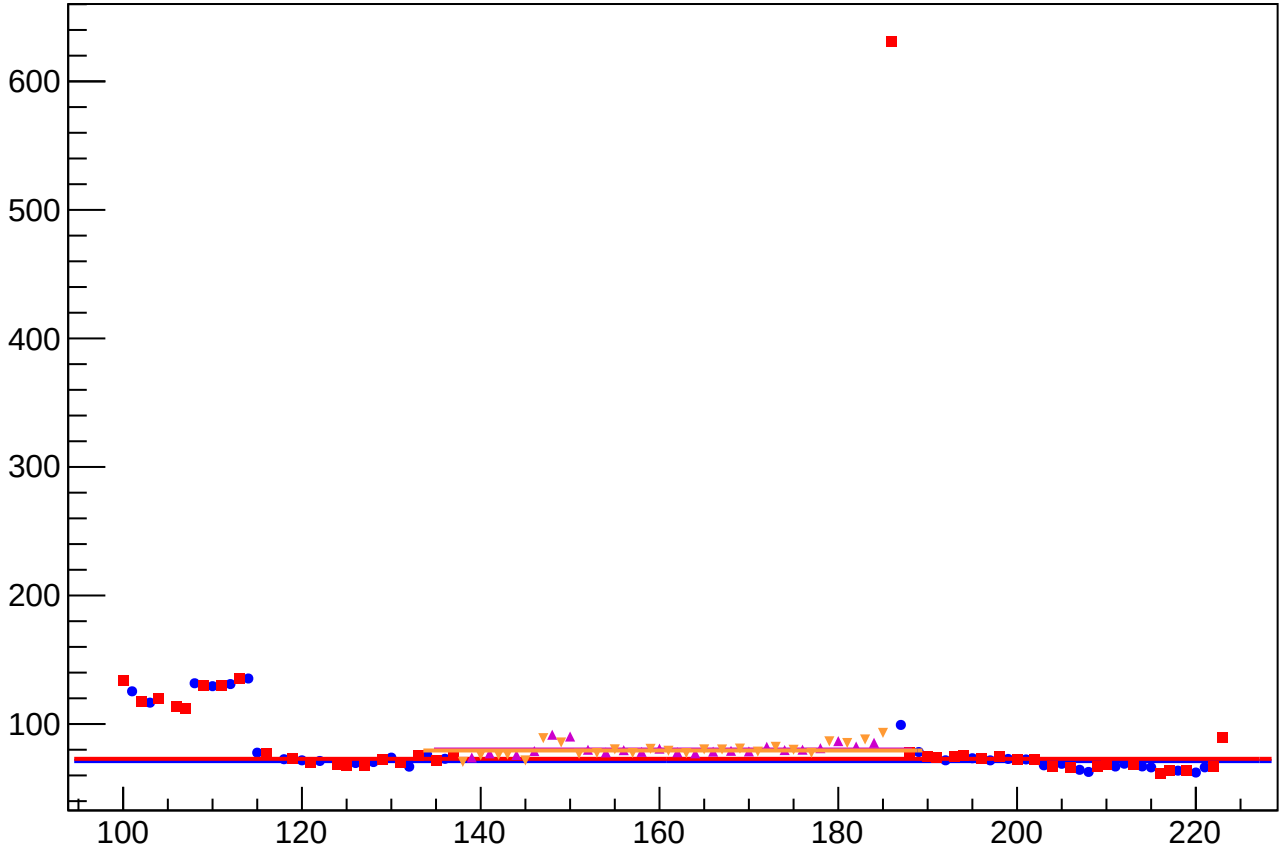
Right: -15.875+/-10.947 χ^2/NDF: 83.3/72

In: -70.107+/-11.886 χ^2/NDF:76.1/56

Out: -73.470+/-11.811 χ^2/NDF:124.1/63

All: -71.799+/-8.378 χ^2/NDF: 200.3/120

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



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

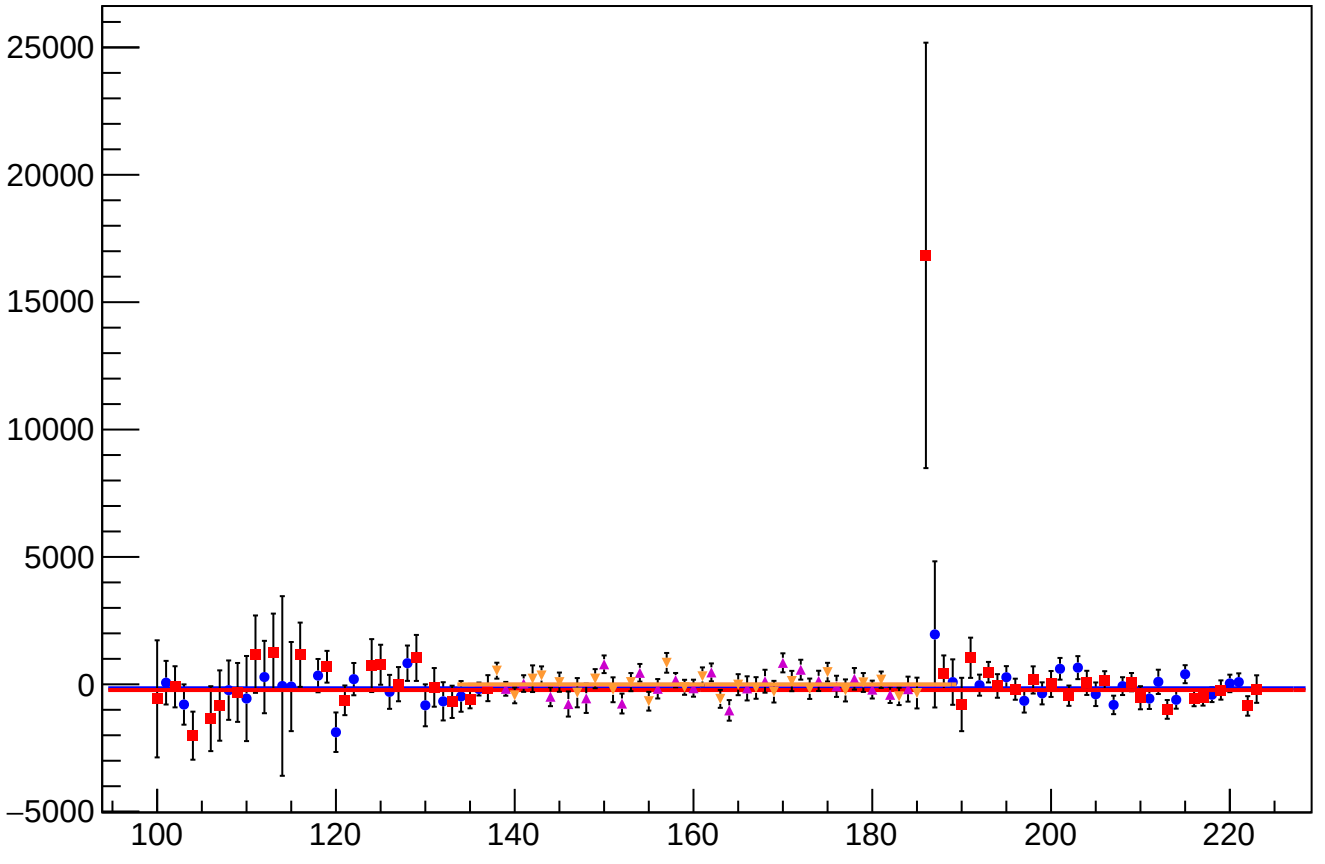
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.013+/-0.008 χ^2/NDF: 3211791.6/72

In: 74.757+/-0.008 χ^2/NDF:1580985.8/56

Out: 75.692+/-0.008 χ^2/NDF:2268631.0/63

All: 75.227+/-0.006 χ^2/NDF: 3855846.9/120



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

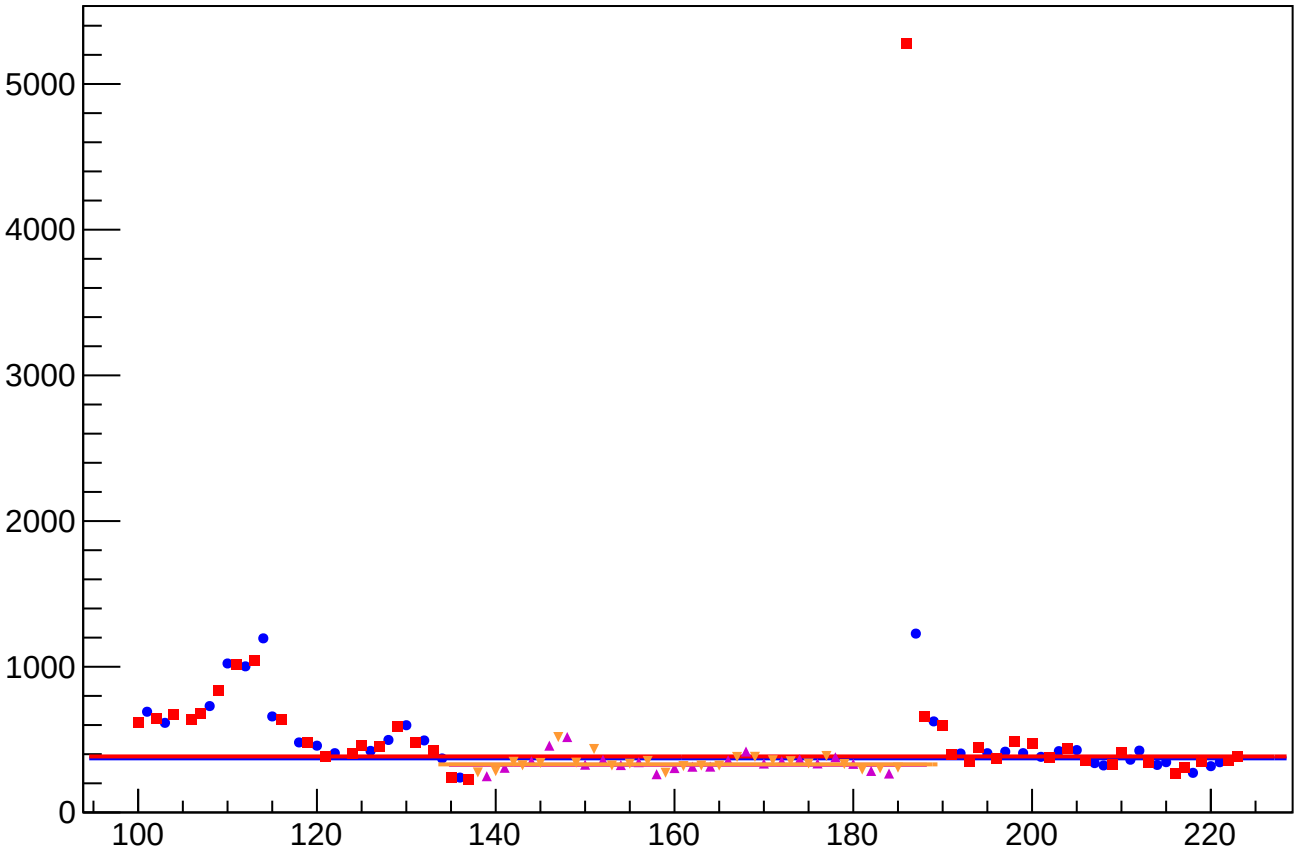
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -189.384+/-59.273 χ^2/NDF: 70.8/72

In: -82.971+/-56.559 χ^2/NDF:66.6/56

Out: -101.833+/-56.604 χ^2/NDF:68.1/63

All: -92.394+/-40.009 χ^2/NDF: 134.8/120



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

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

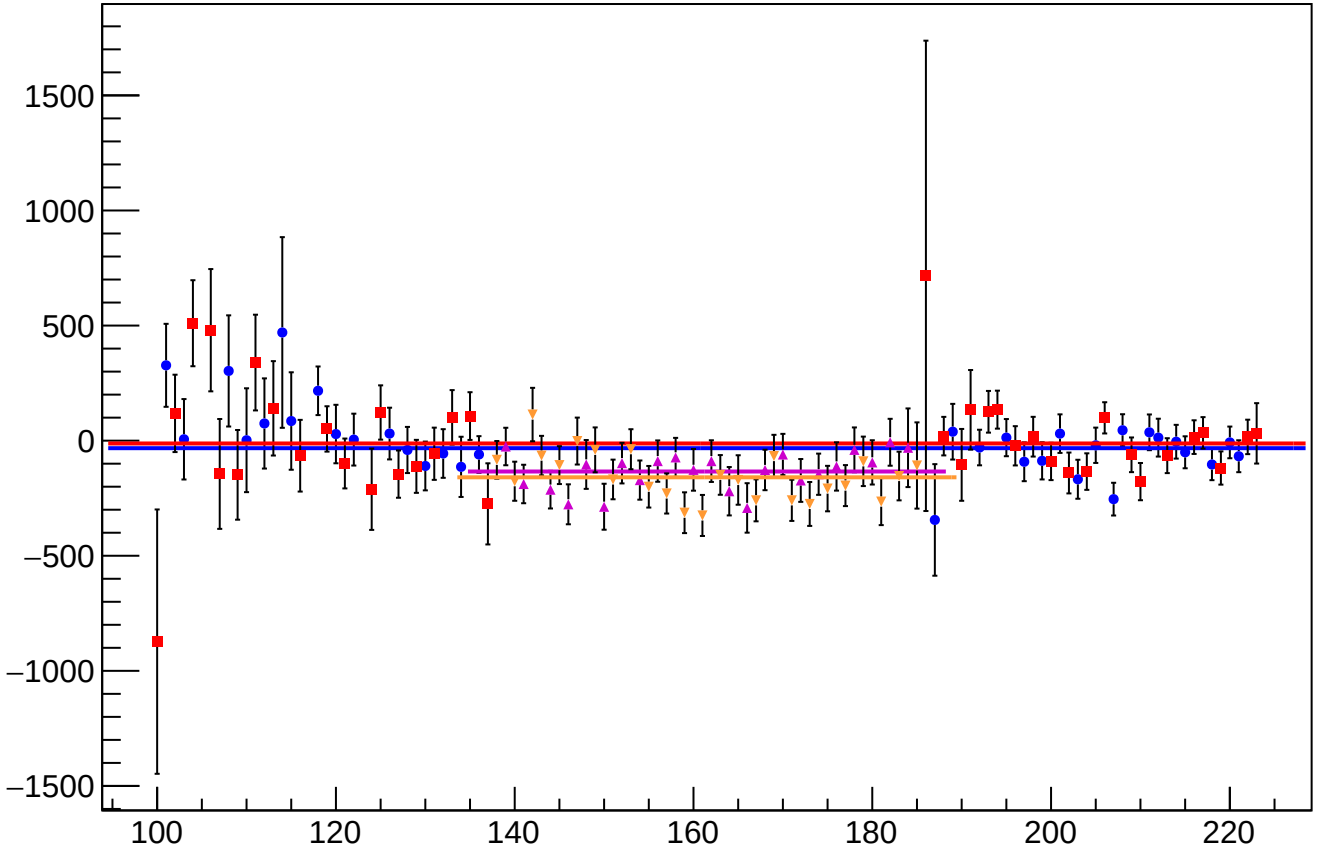
Right: 377.801+/-0.042 χ^2/NDF: 7592543.2/72

In: 347.778+/-0.040 χ^2/NDF:4519688.9/56

Out: 354.151+/-0.040 χ^2/NDF:5373563.1/63

All: 350.962+/-0.028 χ^2/NDF: 9905935.8/120

dit_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

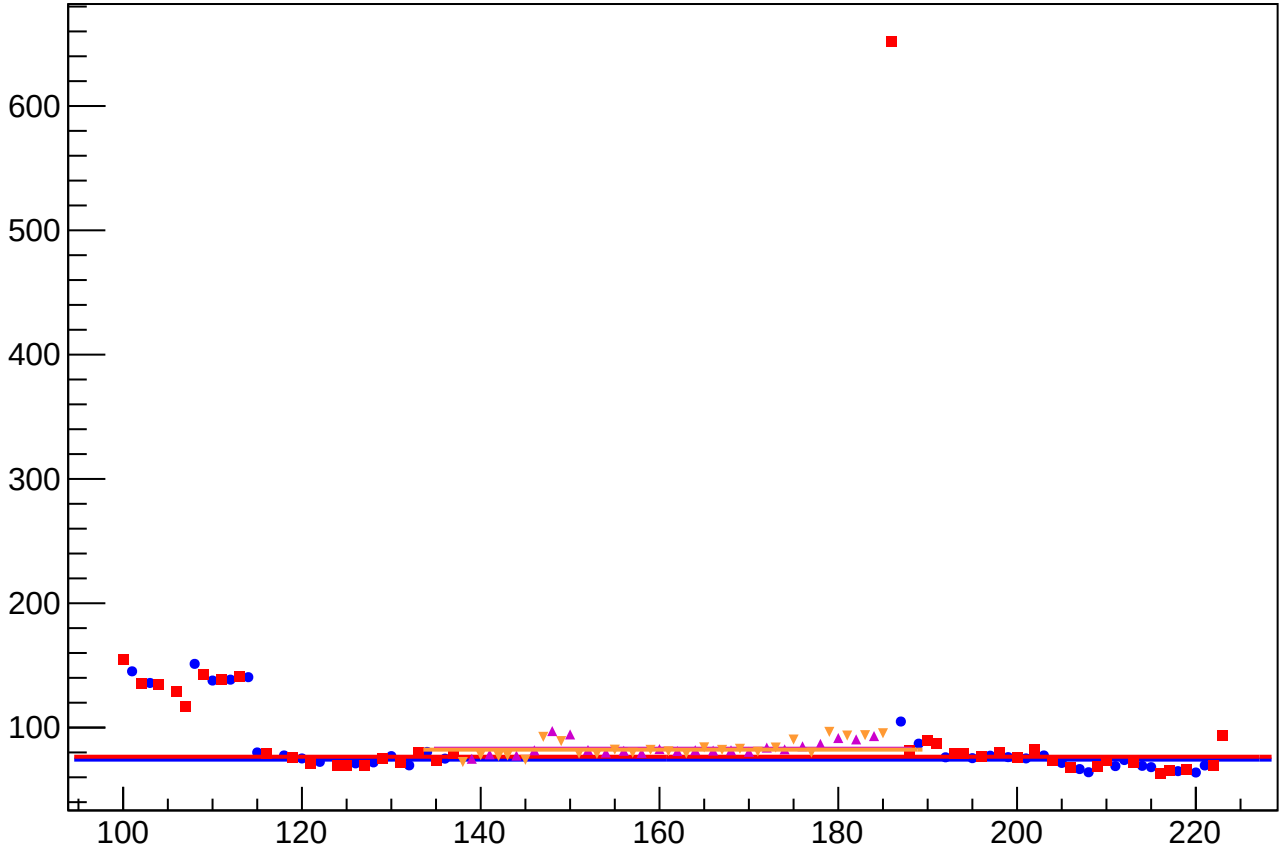
Right: -22.663+/-11.506 χ^2/NDF: 89.0/72

In: -73.909+/-12.401 χ^2/NDF:68.1/56

Out: -76.146+/-12.364 χ^2/NDF:115.5/63

All: -75.031+/-8.756 χ^2/NDF: 183.7/120

dit_asym_sam1_rms vs Slug, Sign Corrected



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

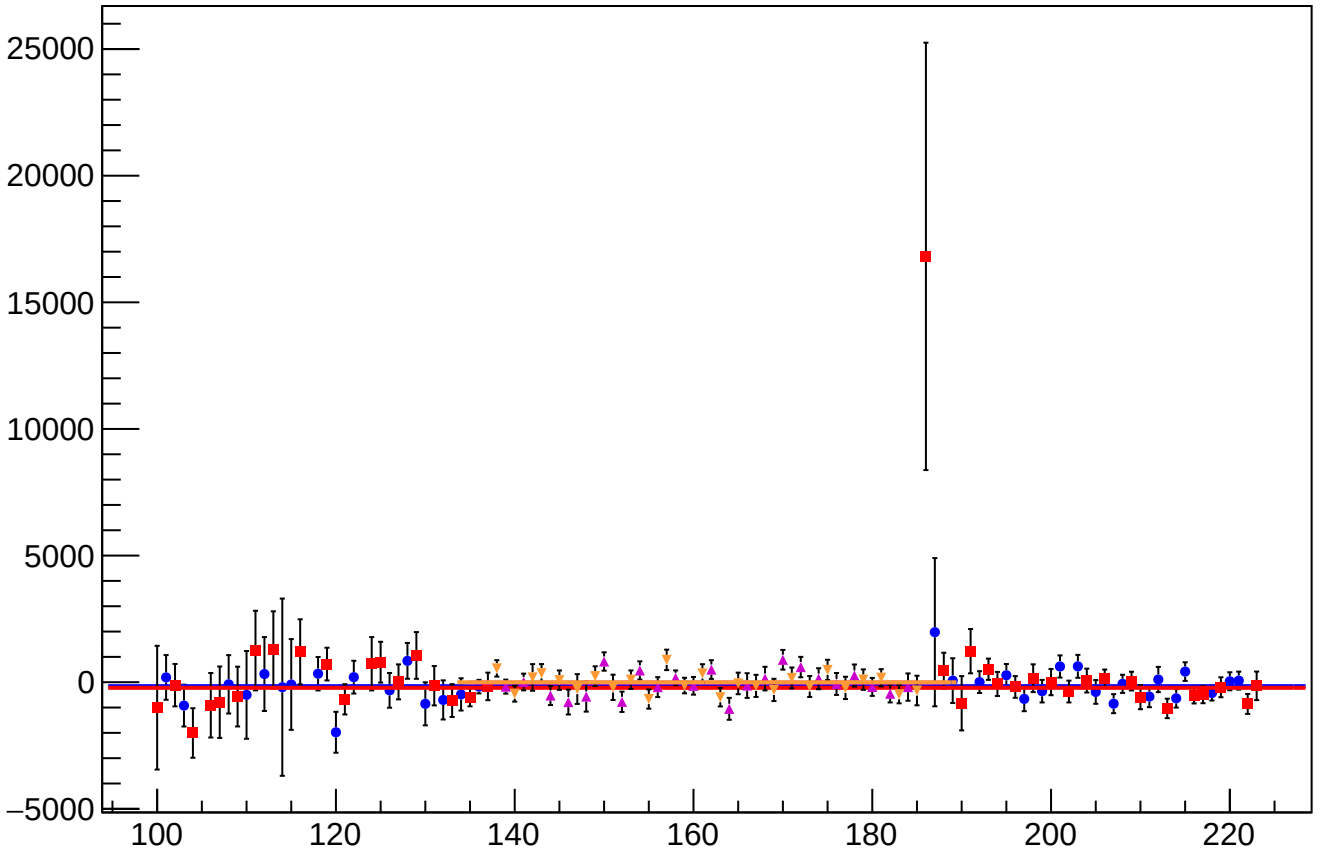
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 75.356+/-0.008 χ^2/NDF: 3695876.2/72

In: 77.786+/-0.009 χ^2/NDF:1849534.6/56

Out: 79.026+/-0.009 χ^2/NDF:2534268.8/63

All: 78.408+/-0.006 χ^2/NDF: 4393833.1/120



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

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

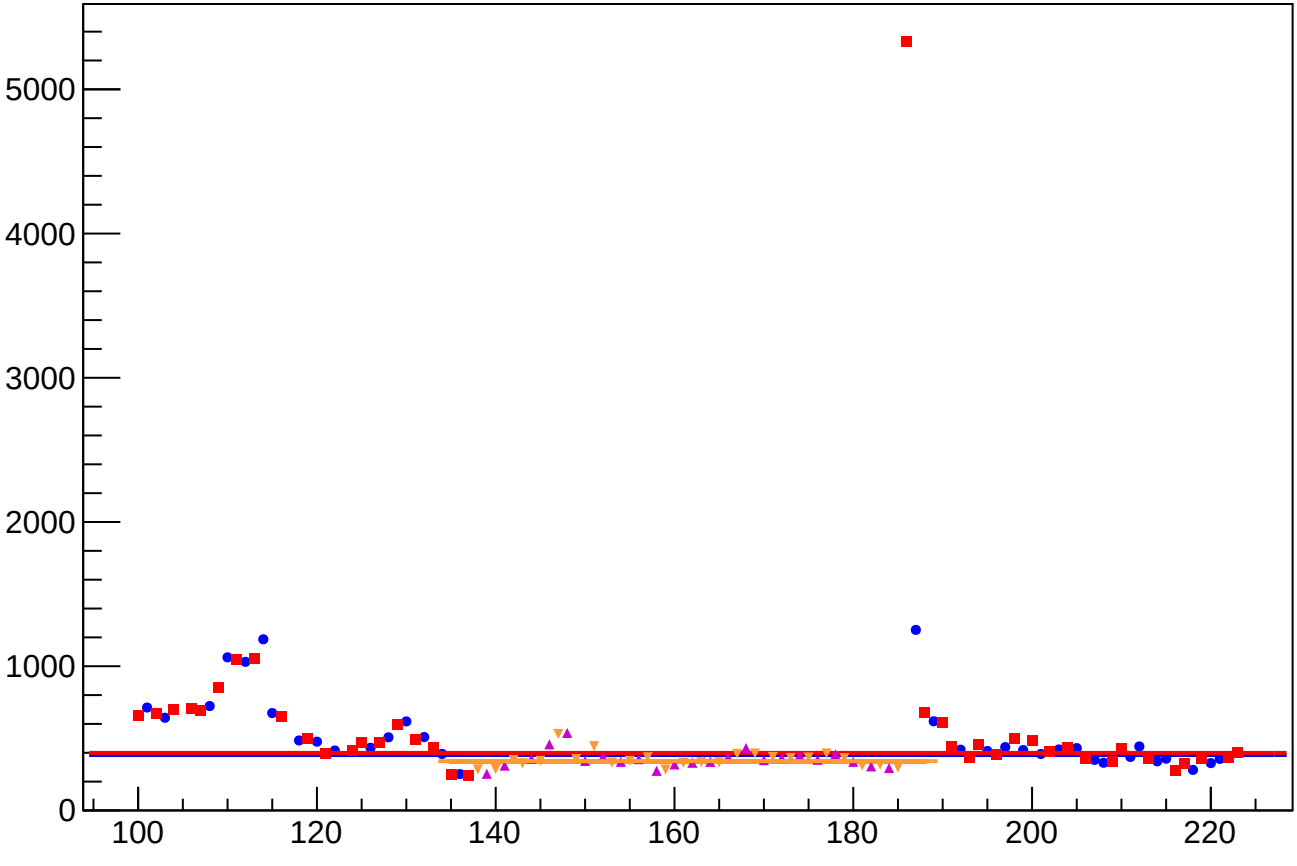
Right: -187.091+/-61.310 χ^2/NDF: 69.5/72

In: -81.900+/-58.544 χ^2/NDF:66.6/56

Out: -99.471+/-58.633 χ^2/NDF:65.8/63

All: -90.672+/-41.429 χ^2/NDF: 132.4/120

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



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

Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

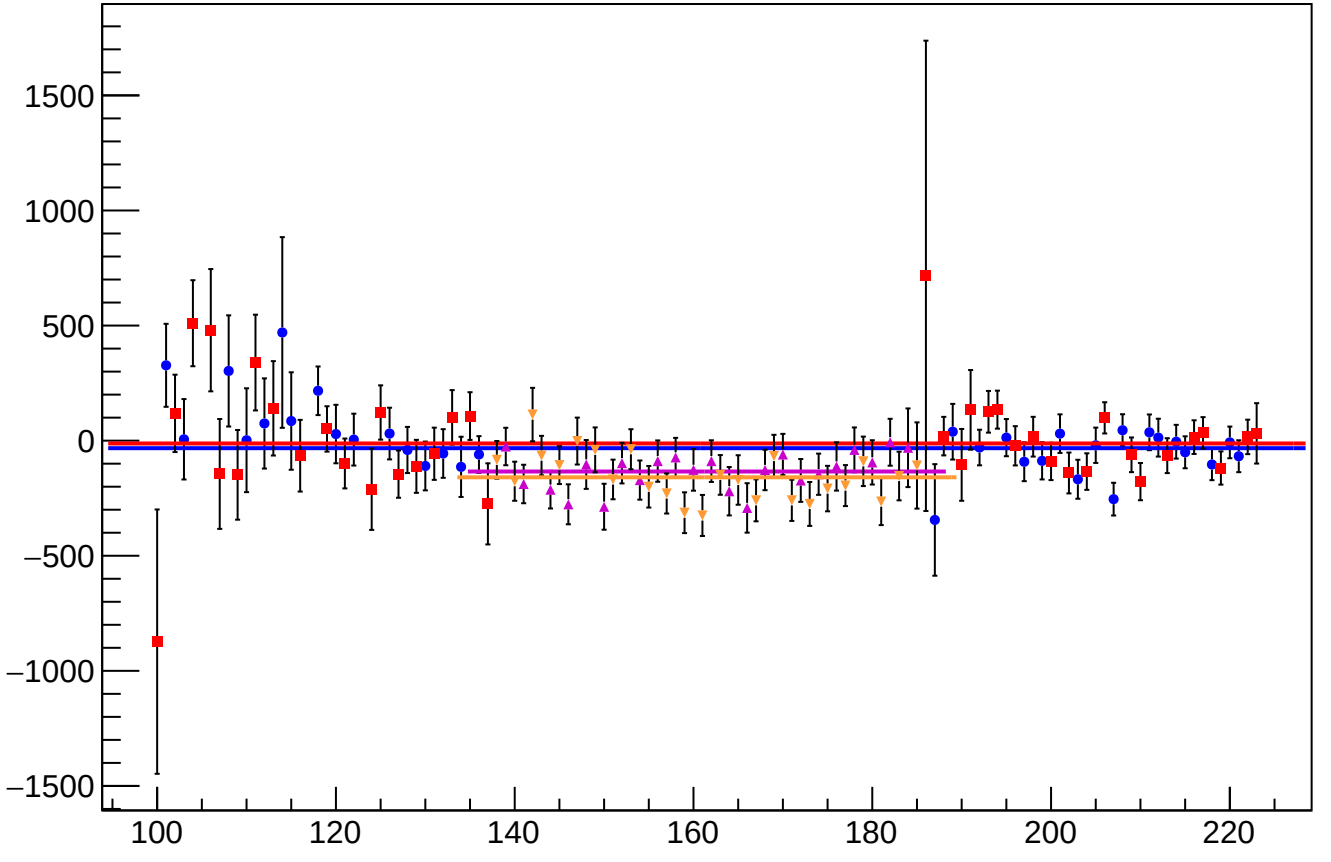
Right: 391.536+/-0.043 χ^2/NDF: 7399451.3/72

In: 360.554+/-0.041 χ^2/NDF:4328943.6/56

Out: 367.282+/-0.041 χ^2/NDF:5306045.1/63

All: 363.913+/-0.029 χ^2/NDF: 9648176.6/120

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



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

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

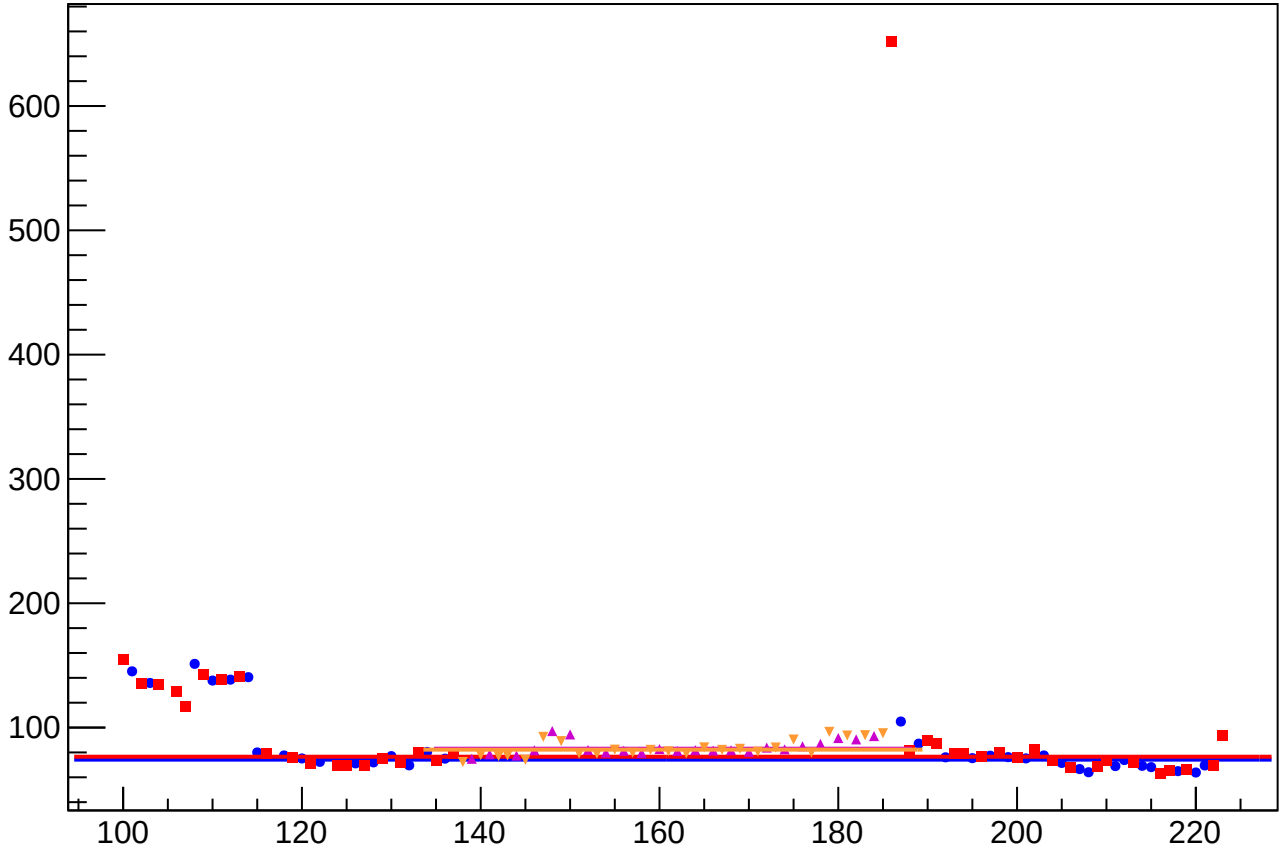
Right: -22.662+/-11.506 χ^2/NDF: 89.0/72

In: -73.908+/-12.401 χ^2/NDF:68.1/56

Out: -76.146+/-12.364 χ^2/NDF:115.5/63

All: -75.031+/-8.756 χ^2/NDF: 183.7/120

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



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

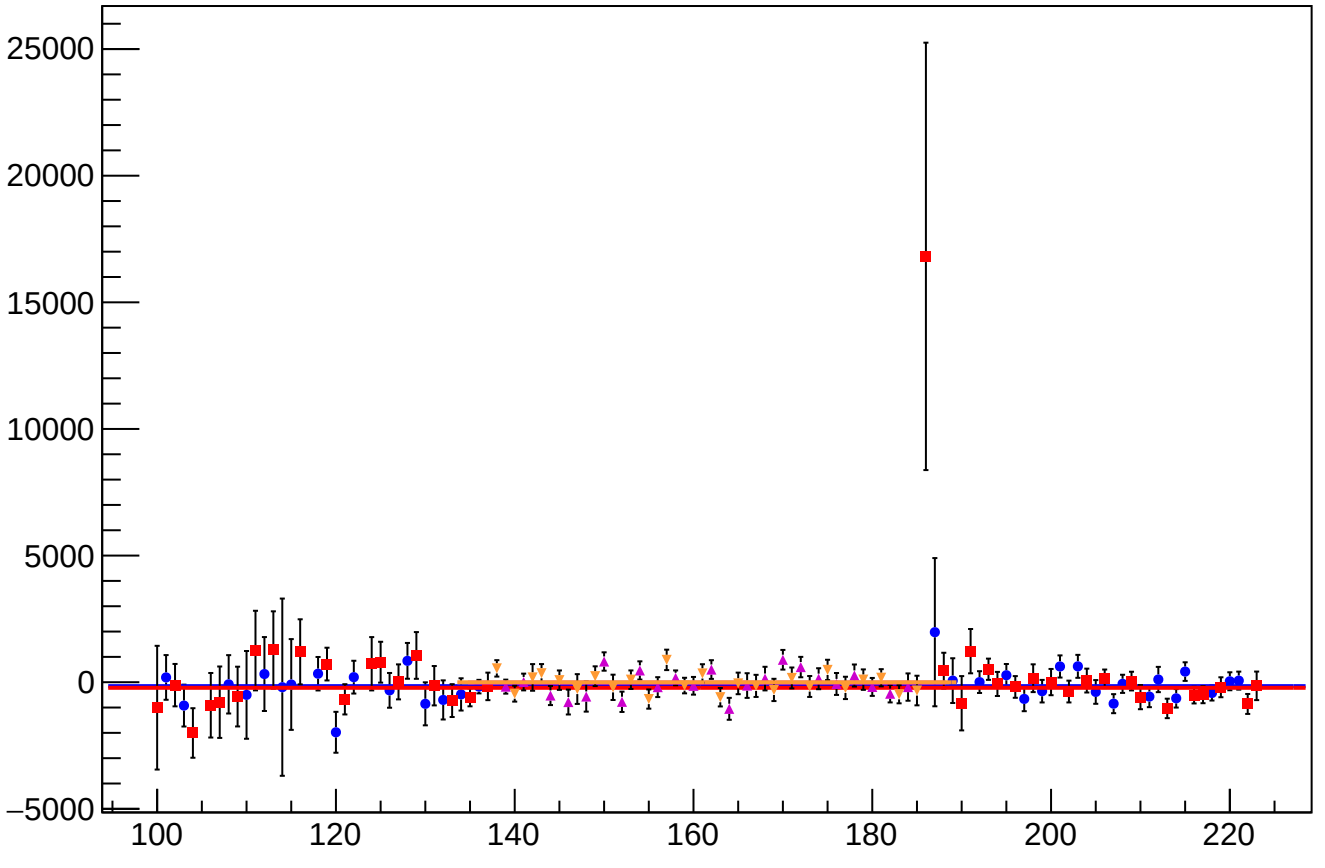
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 75.356+/-0.008 χ^2/NDF: 3695877.7/72

In: 77.786+/-0.009 χ^2/NDF:1849539.6/56

Out: 79.026+/-0.009 χ^2/NDF:2534275.2/63

All: 78.408+/-0.006 χ^2/NDF: 4393844.5/120



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

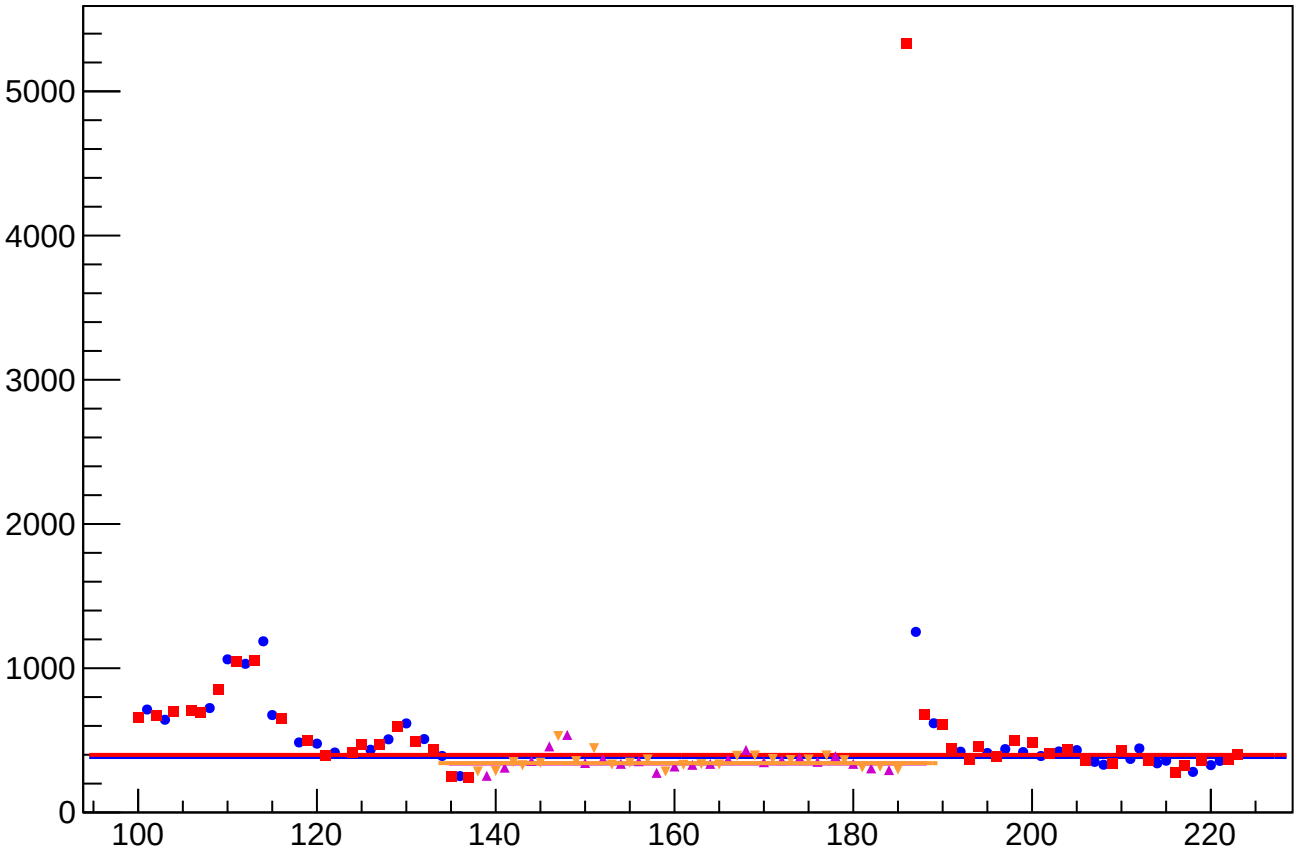
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -187.091+/-61.310 χ^2/NDF: 69.5/72

In: -81.899+/-58.544 χ^2/NDF:66.6/56

Out: -99.471+/-58.633 χ^2/NDF:65.8/63

All: -90.672+/-41.428 χ^2/NDF: 132.4/120



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

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

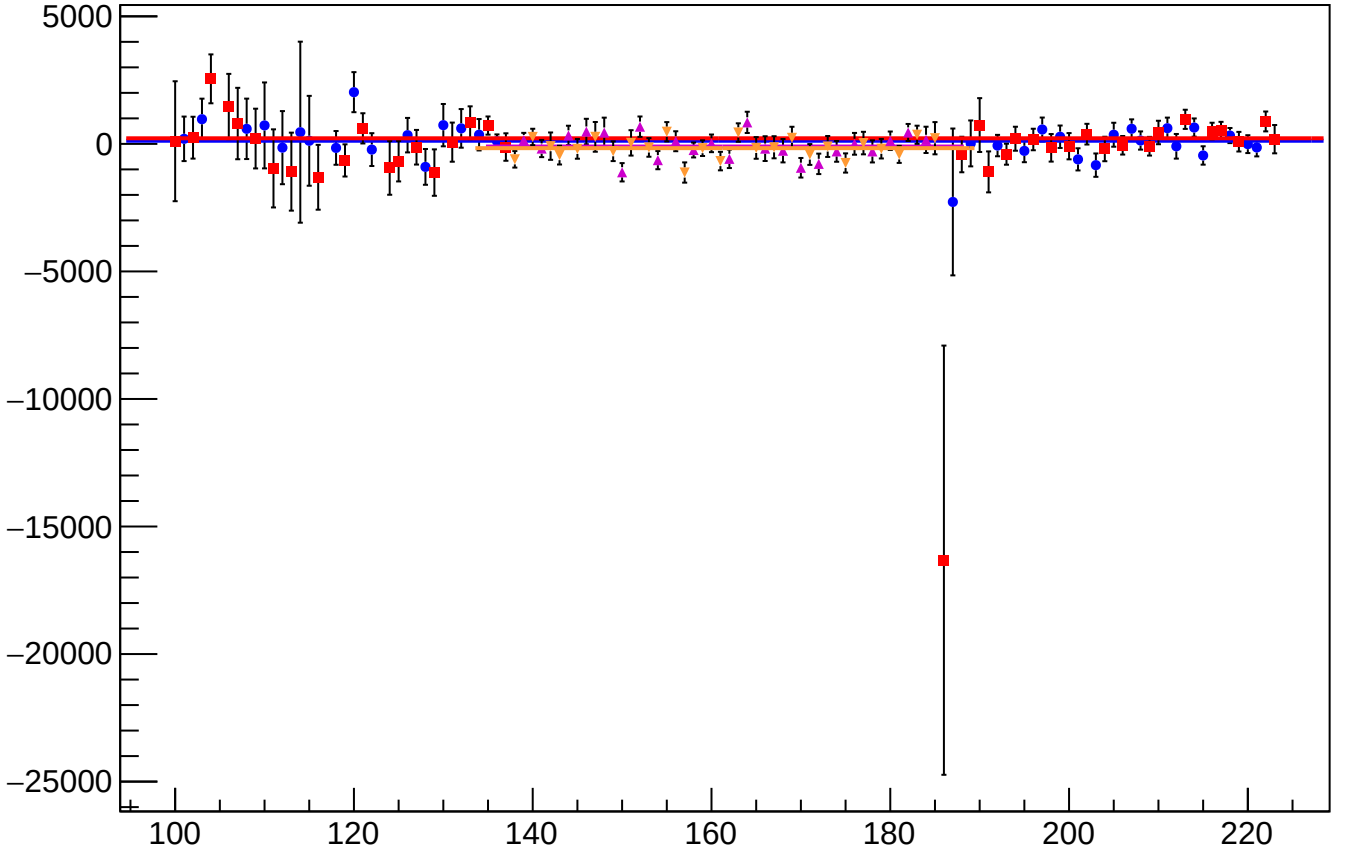
Right: 391.535+/-0.043 χ^2/NDF: 7399462.2/72

In: 360.554+/-0.041 χ^2/NDF:4328942.4/56

Out: 367.282+/-0.041 χ^2/NDF:5306042.0/63

All: 363.913+/-0.029 χ^2/NDF: 9648172.3/120

asym_sam1_mean vs Slug, Sign Corrected



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

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

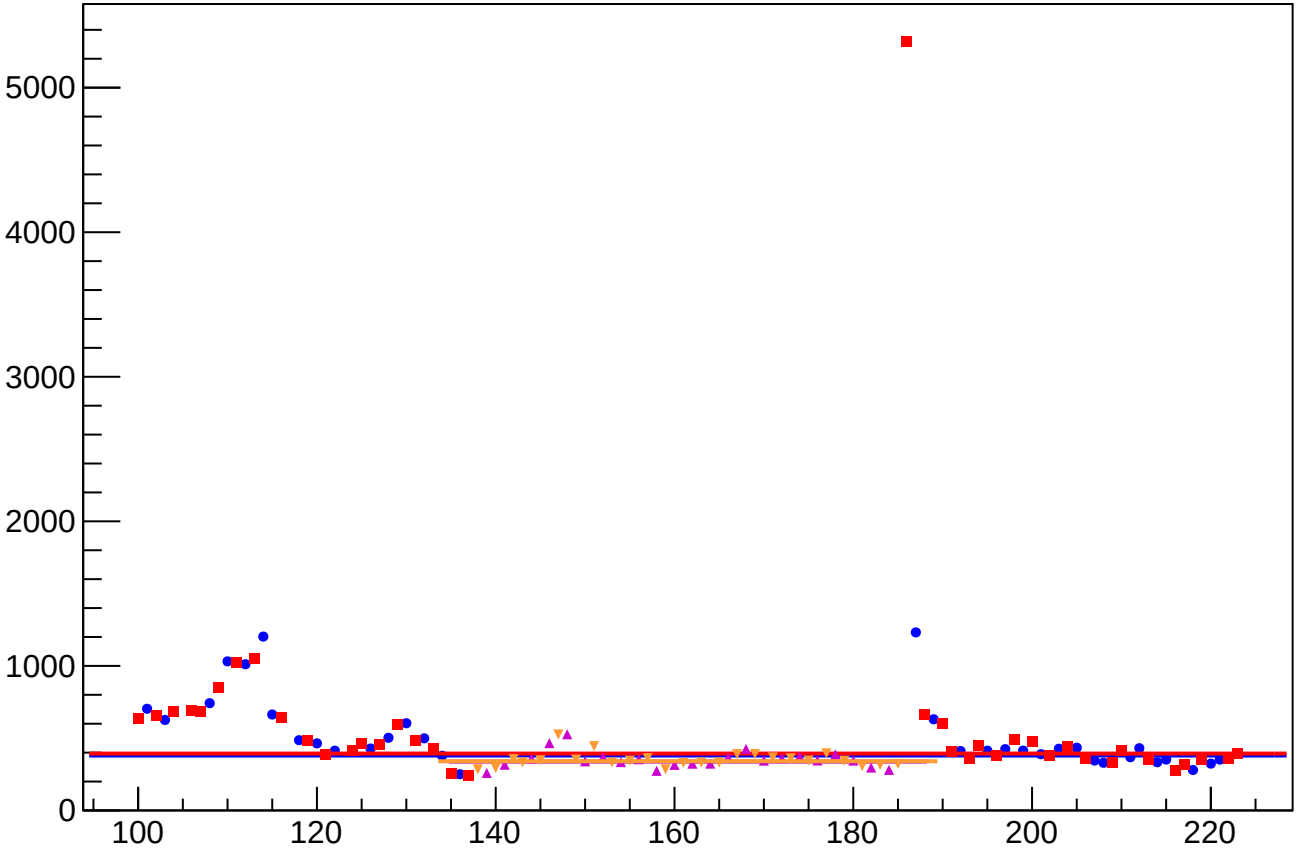
Right: 169.915+/-60.505 χ^2/NDF: 73.2/72

In: 3.539+/-58.067 χ^2/NDF:71.7/56

Out: 5.816+/-58.078 χ^2/NDF:78.7/63

All: 4.677+/-41.064 χ^2/NDF: 150.4/120

asym_sam1_rms vs Slug, Sign Corrected



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

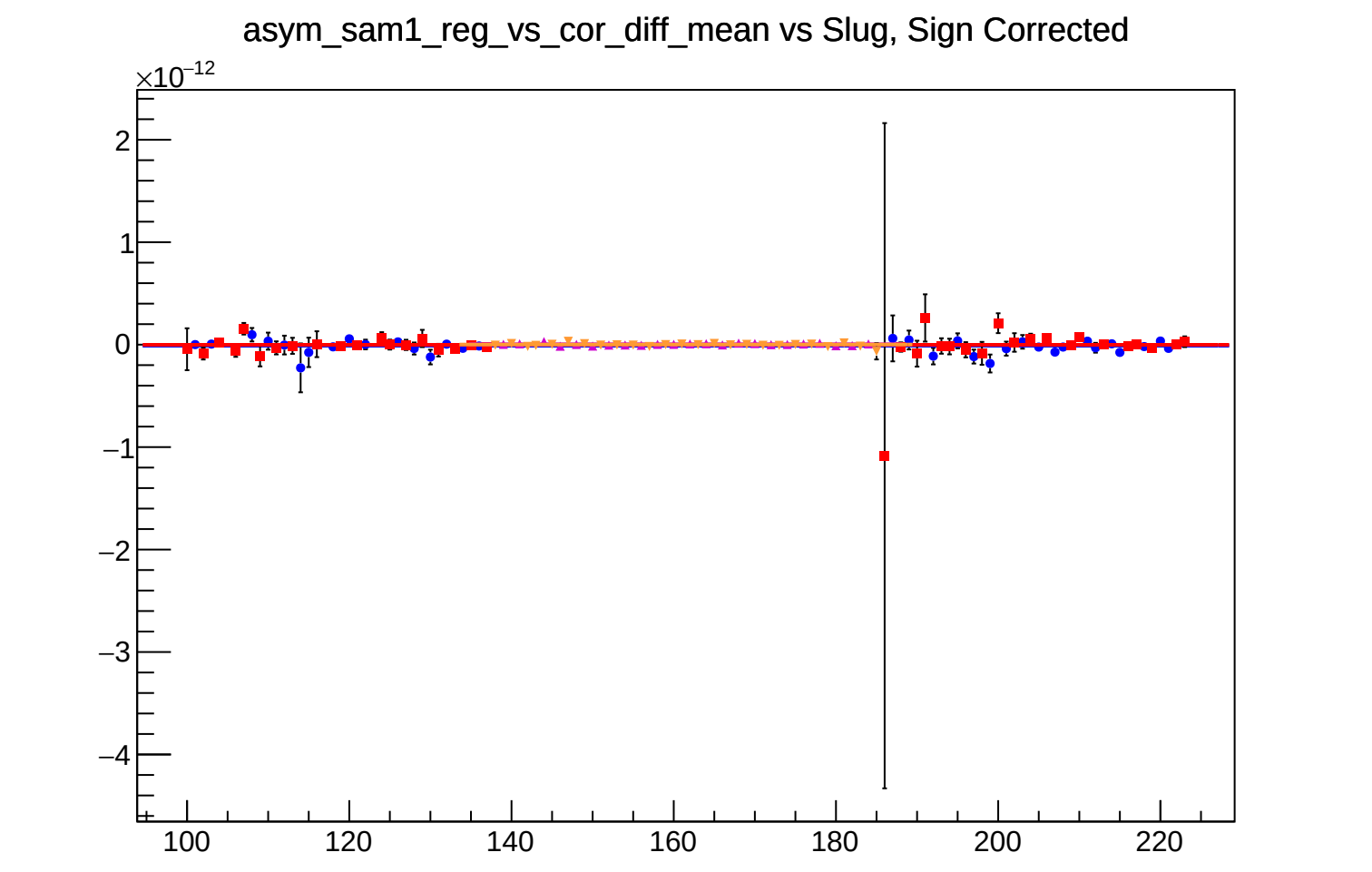
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 386.600+/-0.043 χ^2/NDF: 7322193.7/72

In: 357.778+/-0.041 χ^2/NDF:4249694.0/56

Out: 364.187+/-0.041 χ^2/NDF:5150970.5/63

All: 360.981+/-0.029 χ^2/NDF: 9412844.3/120



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

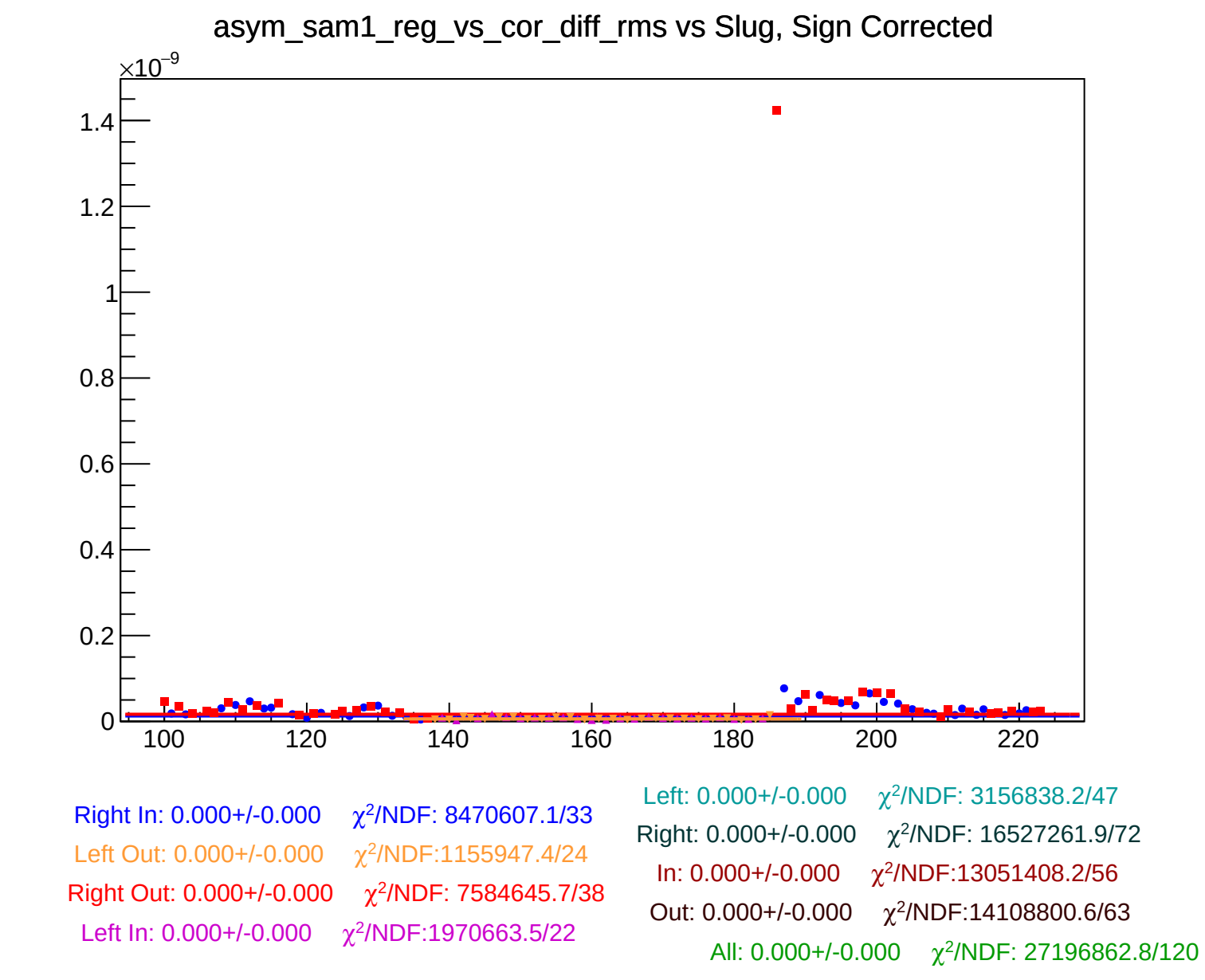
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

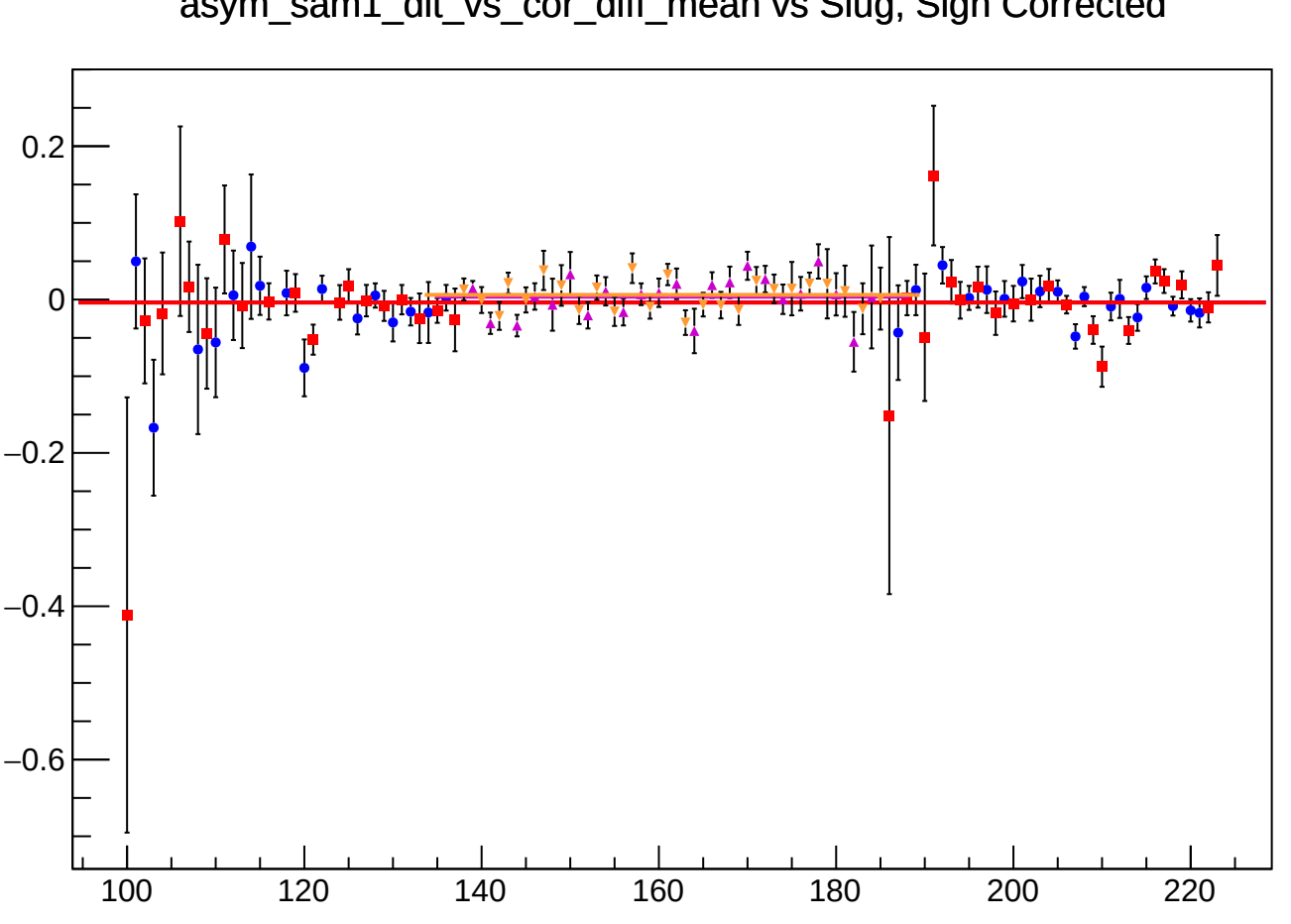
Right: -0.000+/-0.000 χ^2/NDF: 75.7/72

In: 0.000+/-0.000 χ^2/NDF:56.9/56

Out: 0.000+/-0.000 χ^2/NDF:51.8/63

All: 0.000+/-0.000 χ^2/NDF: 108.7/120


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×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: 8470607.1/33
Left Out: 0.000+/-0.000 χ²/NDF:1155947.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 7584645.7/38
Left In: 0.000+/-0.000 χ²/NDF:1970663.5/22
Left: 0.000+/-0.000 χ²/NDF: 3156838.2/47
Right: 0.000+/-0.000 χ²/NDF: 16527261.9/72
In: 0.000+/-0.000 χ²/NDF:13051408.2/56
Out: 0.000+/-0.000 χ²/NDF:14108800.6/63
All: 0.000+/-0.000 χ²/NDF: 27196862.8/120



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

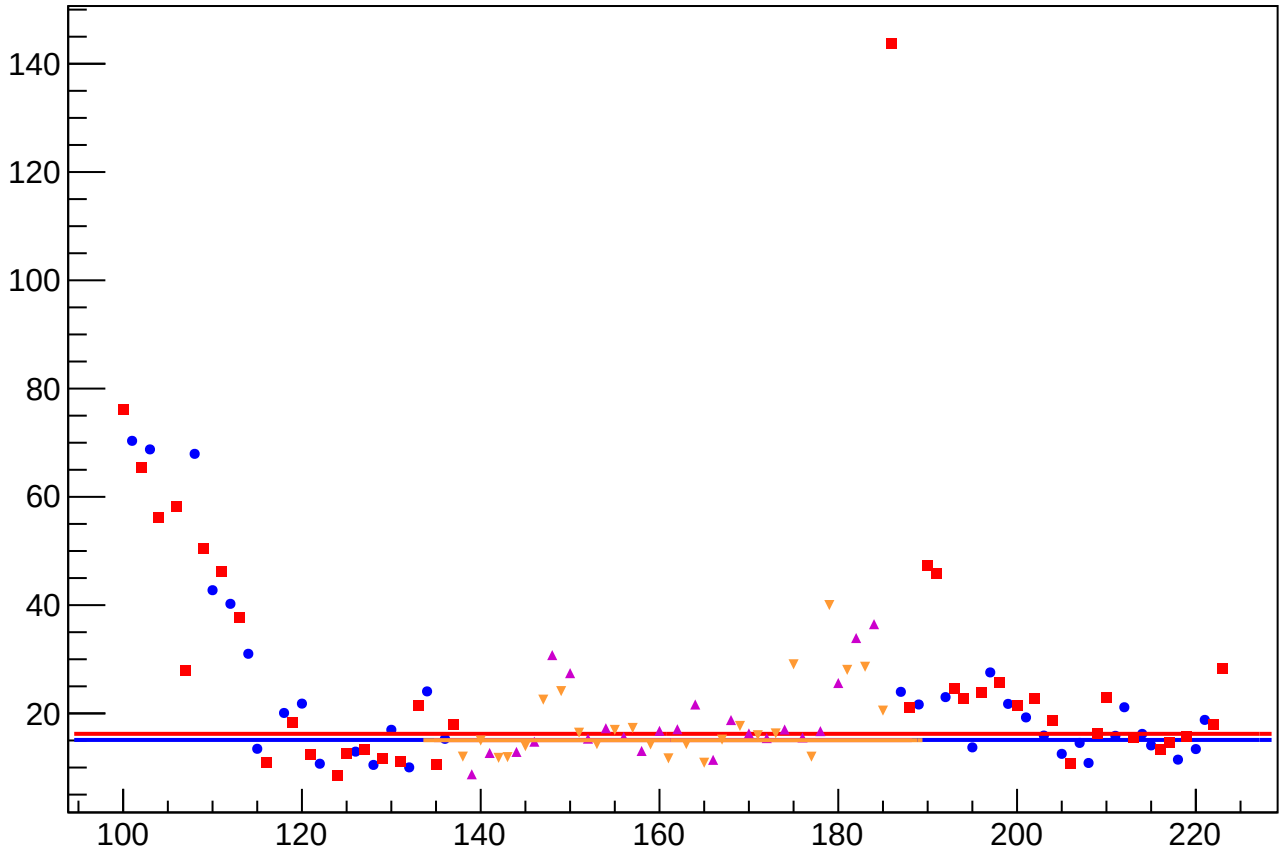
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 87.7/72

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:82.1/63

All: 0.001+/-0.002 χ^2/NDF: 157.2/120



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

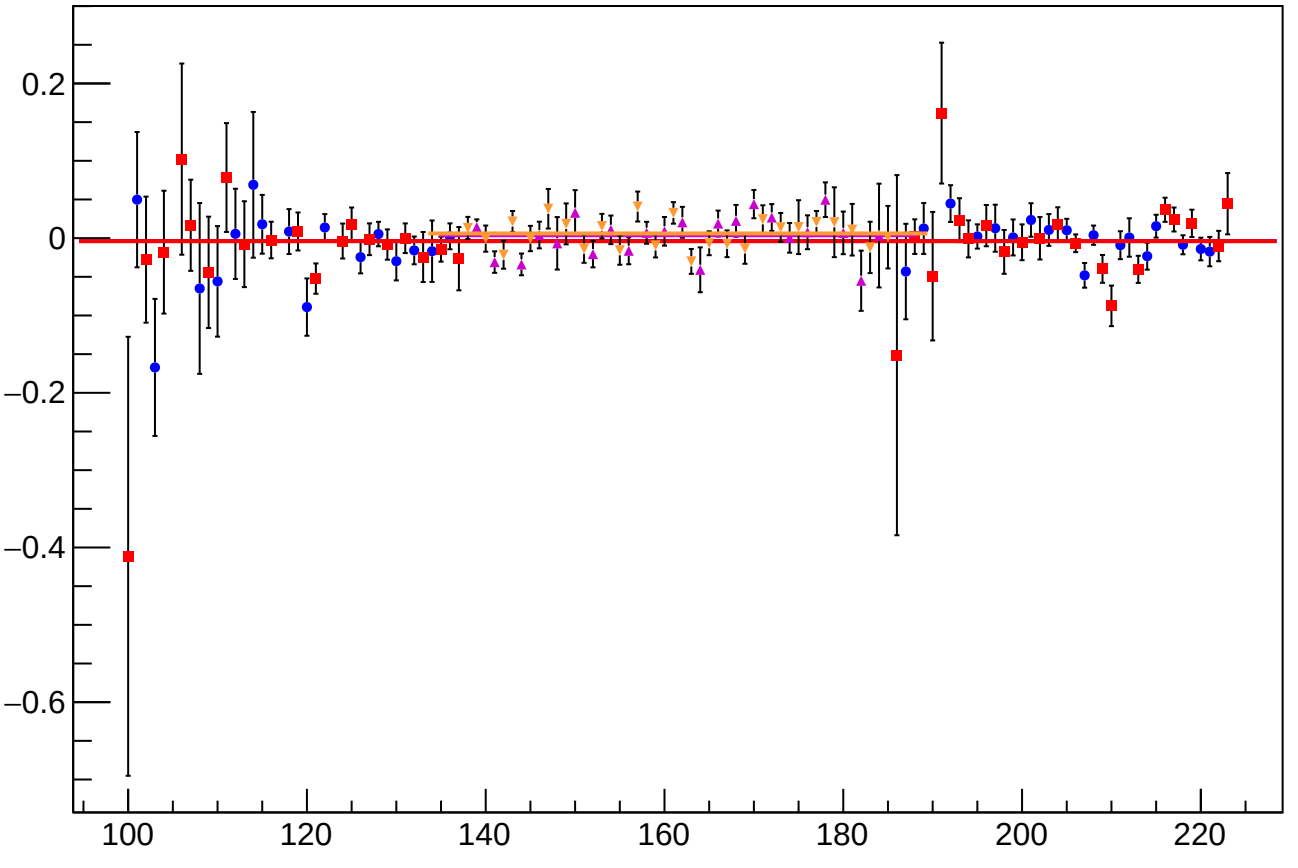
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.622+/-0.002 χ^2/NDF: 12021527.9/72

In: 15.083+/-0.002 χ^2/NDF:8152905.2/56

Out: 15.611+/-0.002 χ^2/NDF:9699285.2/63

All: 15.343+/-0.001 χ^2/NDF: 17892287.9/120



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

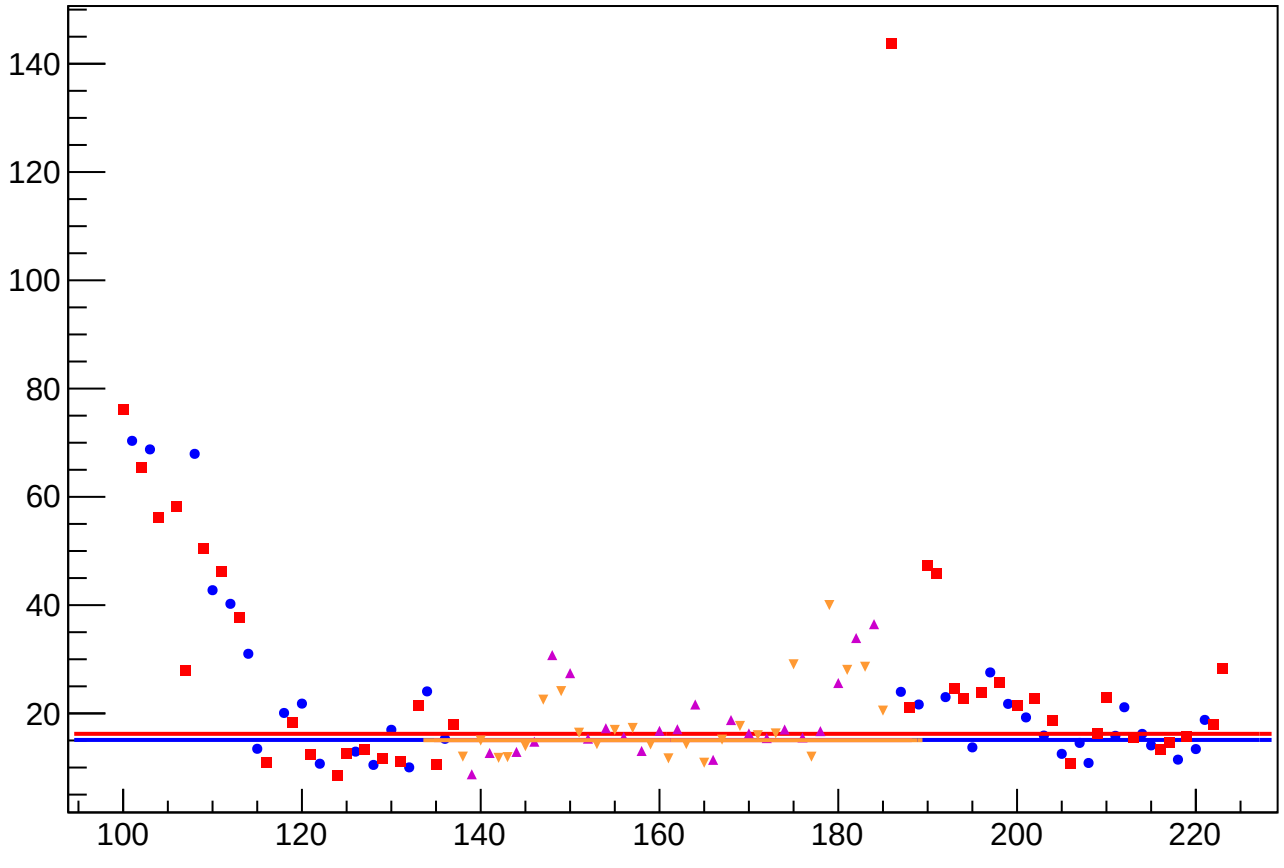
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 87.7/72

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:82.1/63

All: 0.001+/-0.002 χ^2/NDF: 157.2/120



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

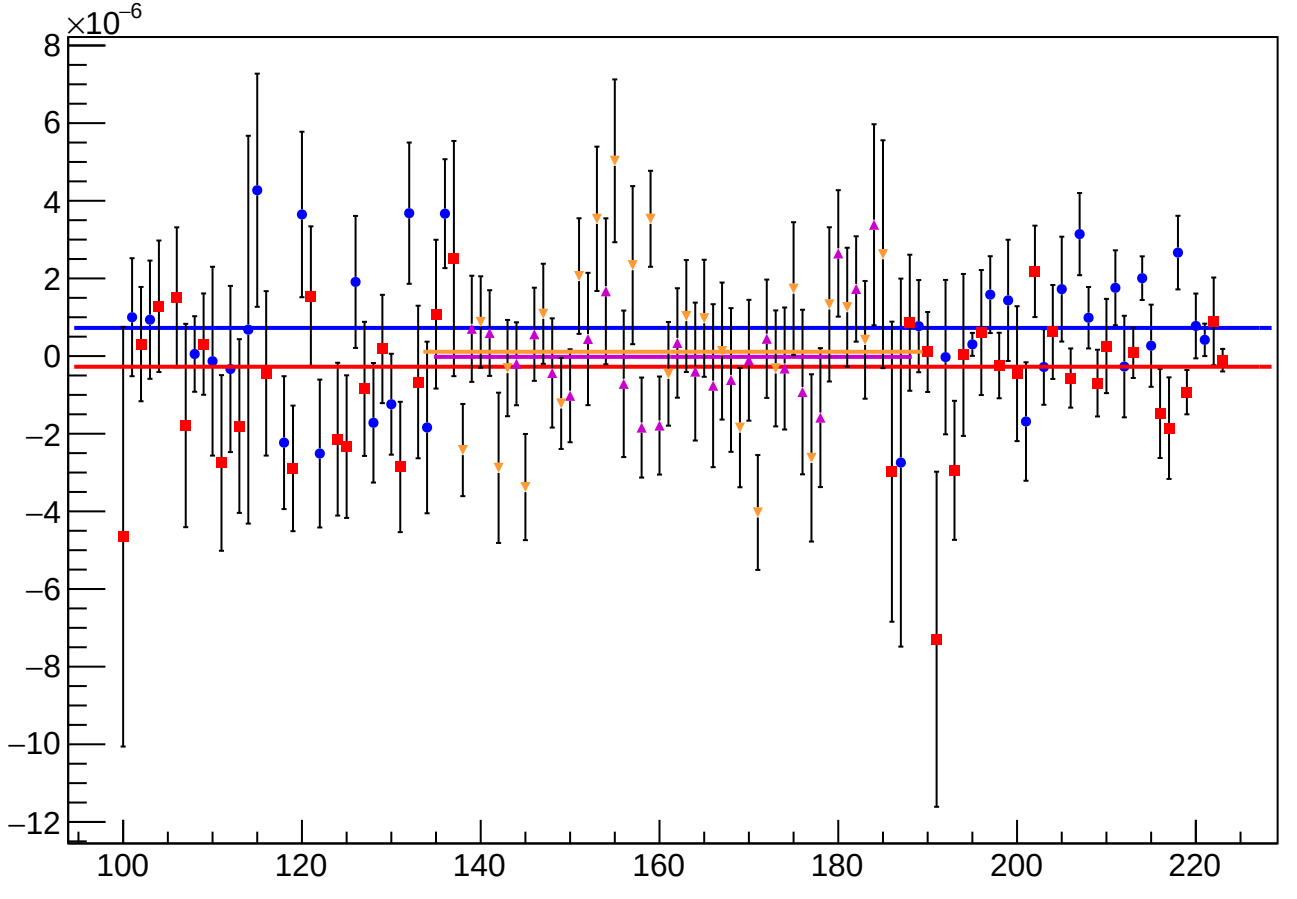
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.622+/-0.002 χ^2/NDF: 12021527.9/72

In: 15.083+/-0.002 χ^2/NDF:8152905.2/56

Out: 15.611+/-0.002 χ^2/NDF:9699285.2/63

All: 15.343+/-0.001 χ^2/NDF: 17892287.9/120



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

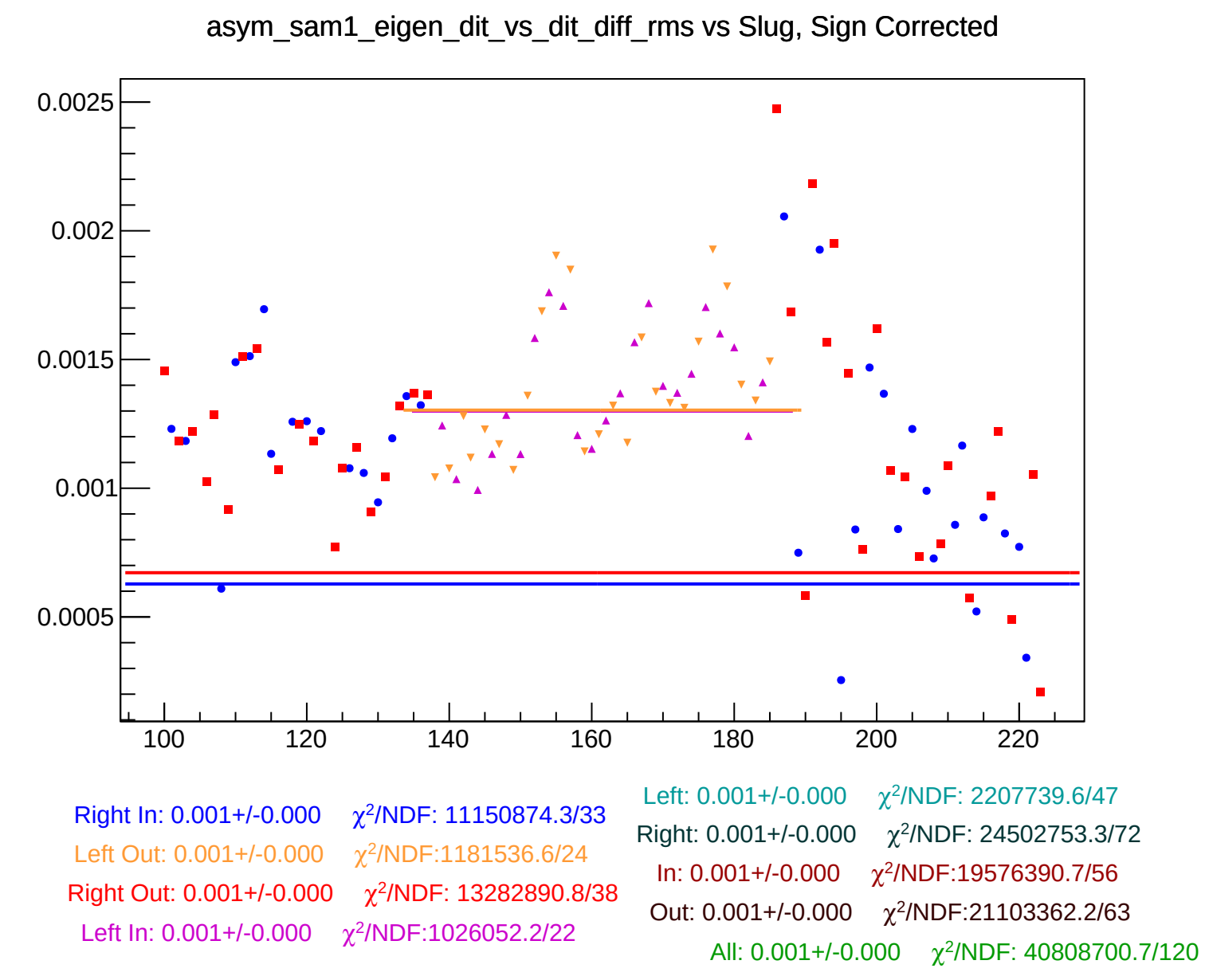
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

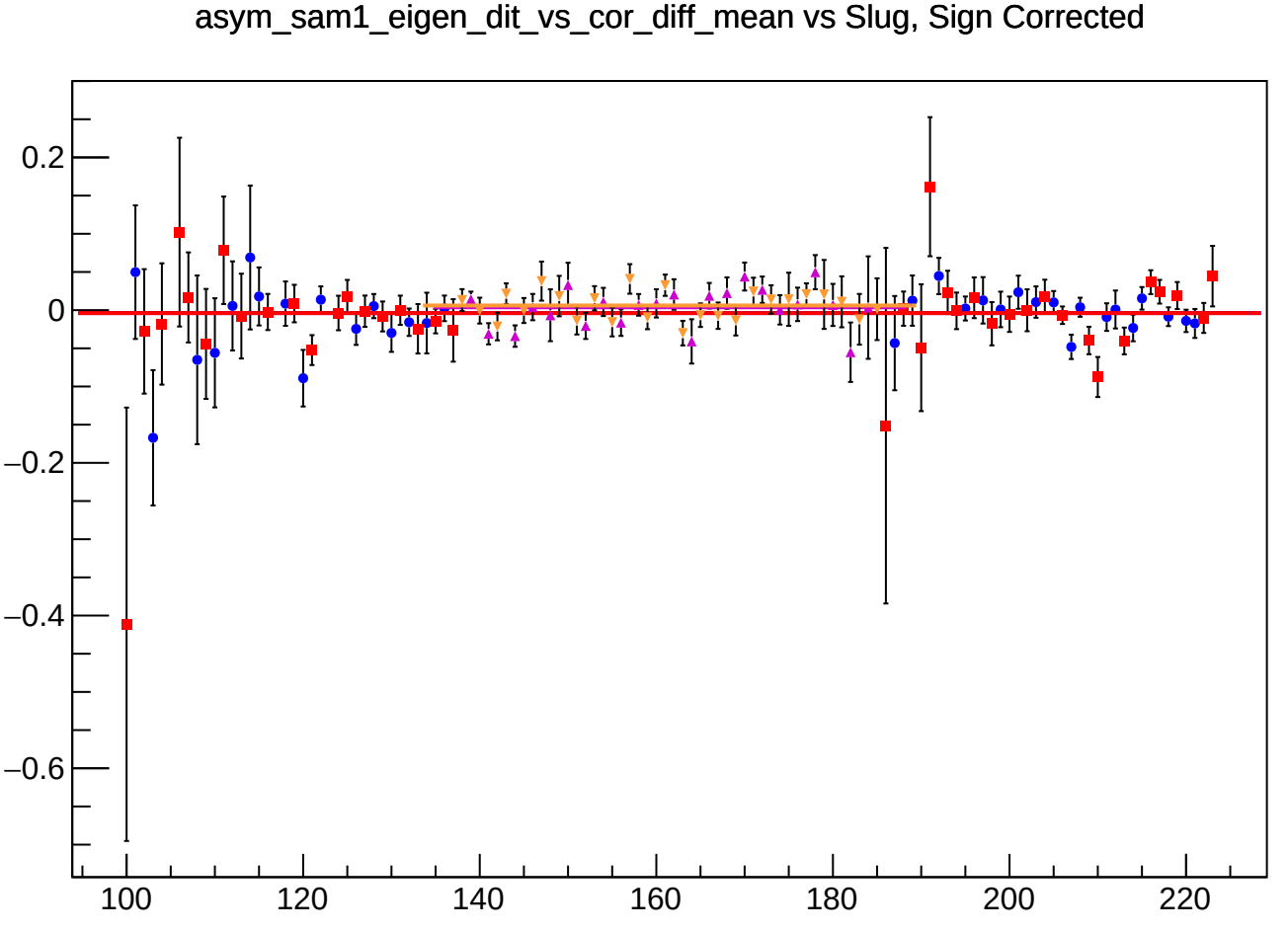
Right: 0.000+/-0.000 χ^2/NDF: 98.6/72

In: 0.000+/-0.000 χ^2/NDF:67.3/56

Out: -0.000+/-0.000 χ^2/NDF:83.2/63

All: 0.000+/-0.000 χ^2/NDF: 163.5/120


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 11150874.3/33
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 13282890.8/38
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 24502753.3/72
In: 0.001+/-0.000 χ²/NDF:19576390.7/56
Out: 0.001+/-0.000 χ²/NDF:21103362.2/63
All: 0.001+/-0.000 χ²/NDF: 40808700.7/120



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

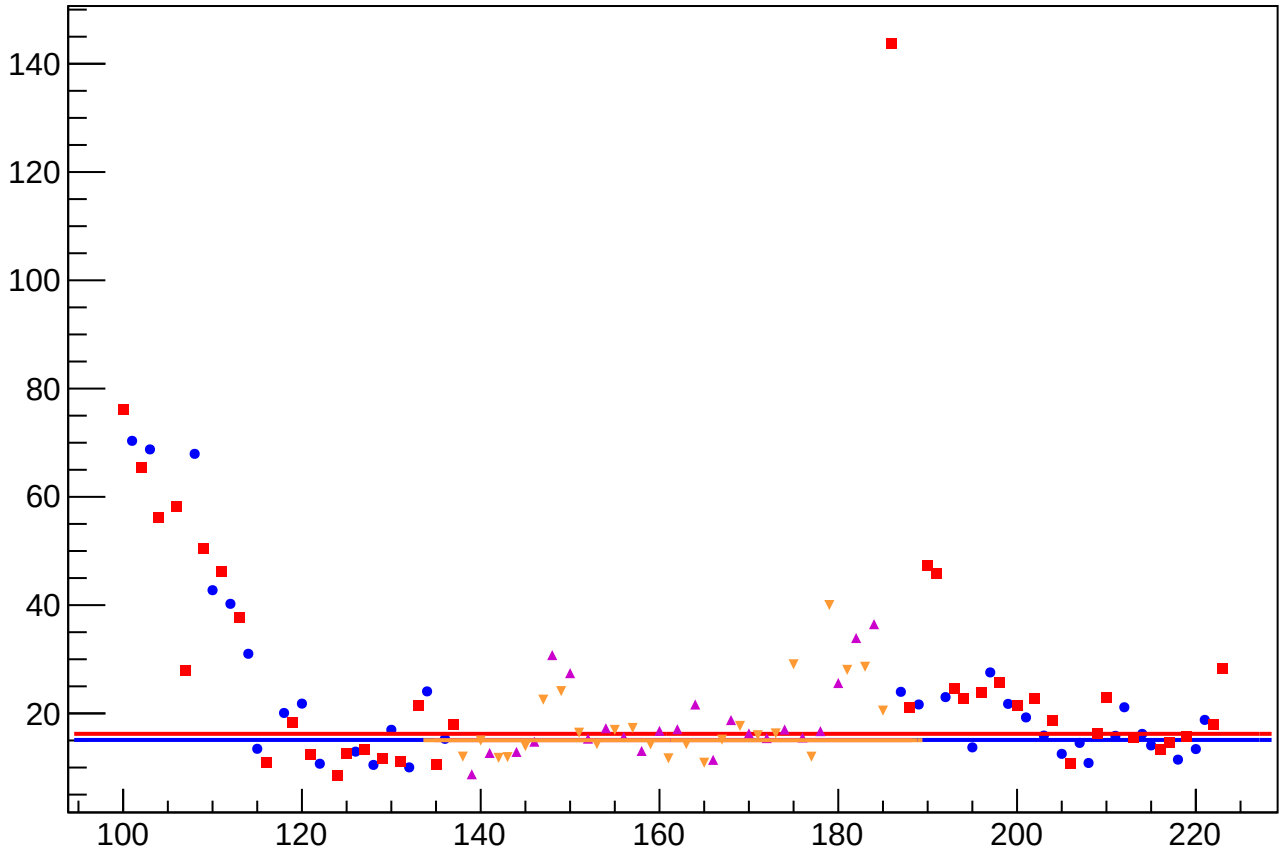
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 87.7/72

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:82.1/63

All: 0.001+/-0.002 χ^2/NDF: 157.2/120



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

Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

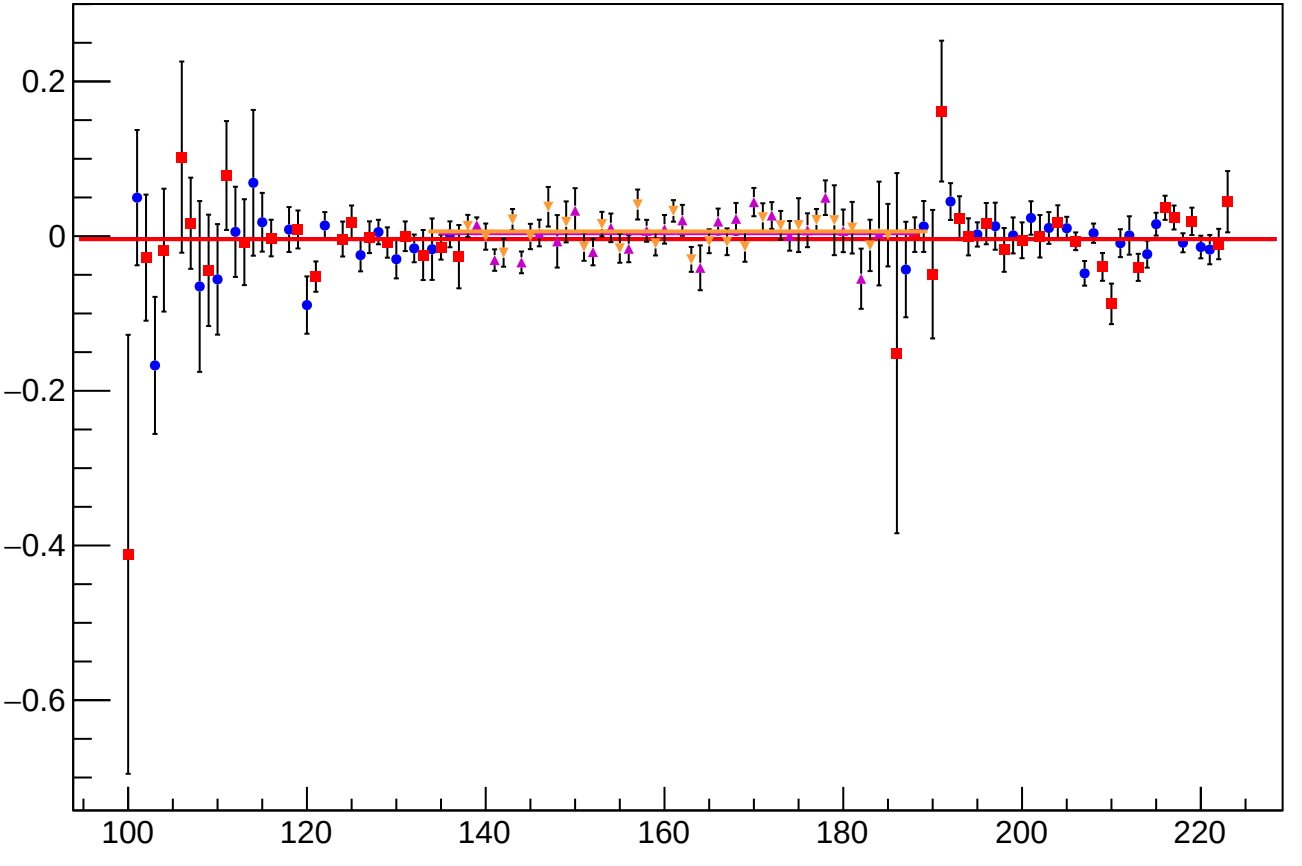
Right: 15.622+/-0.002 χ^2/NDF: 12021549.4/72

In: 15.083+/-0.002 χ^2/NDF:8152958.1/56

Out: 15.611+/-0.002 χ^2/NDF:9699490.0/63

All: 15.343+/-0.001 χ^2/NDF: 17892546.0/120

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

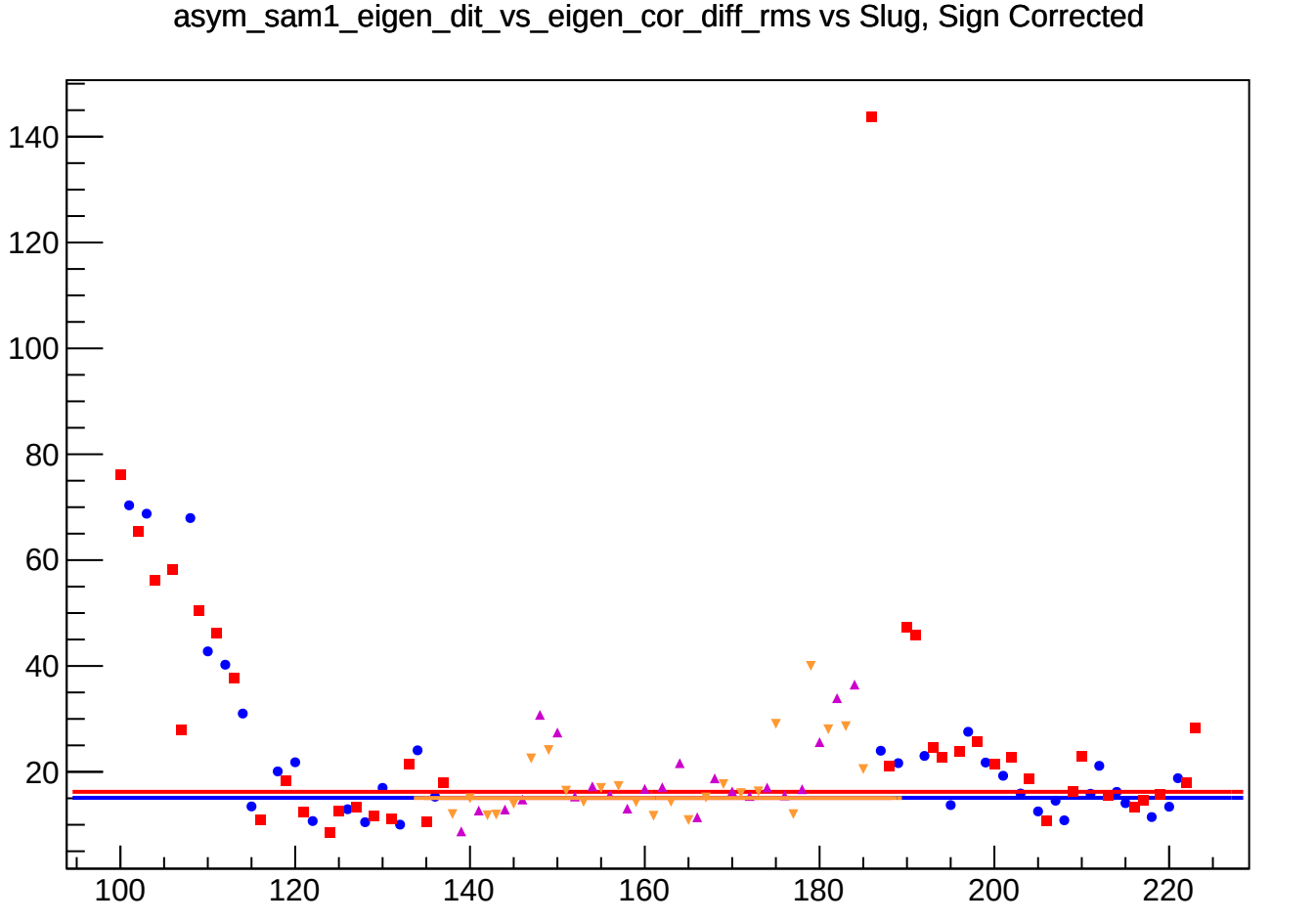
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 87.7/72

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:82.1/63

All: 0.001+/-0.002 χ^2/NDF: 157.2/120



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

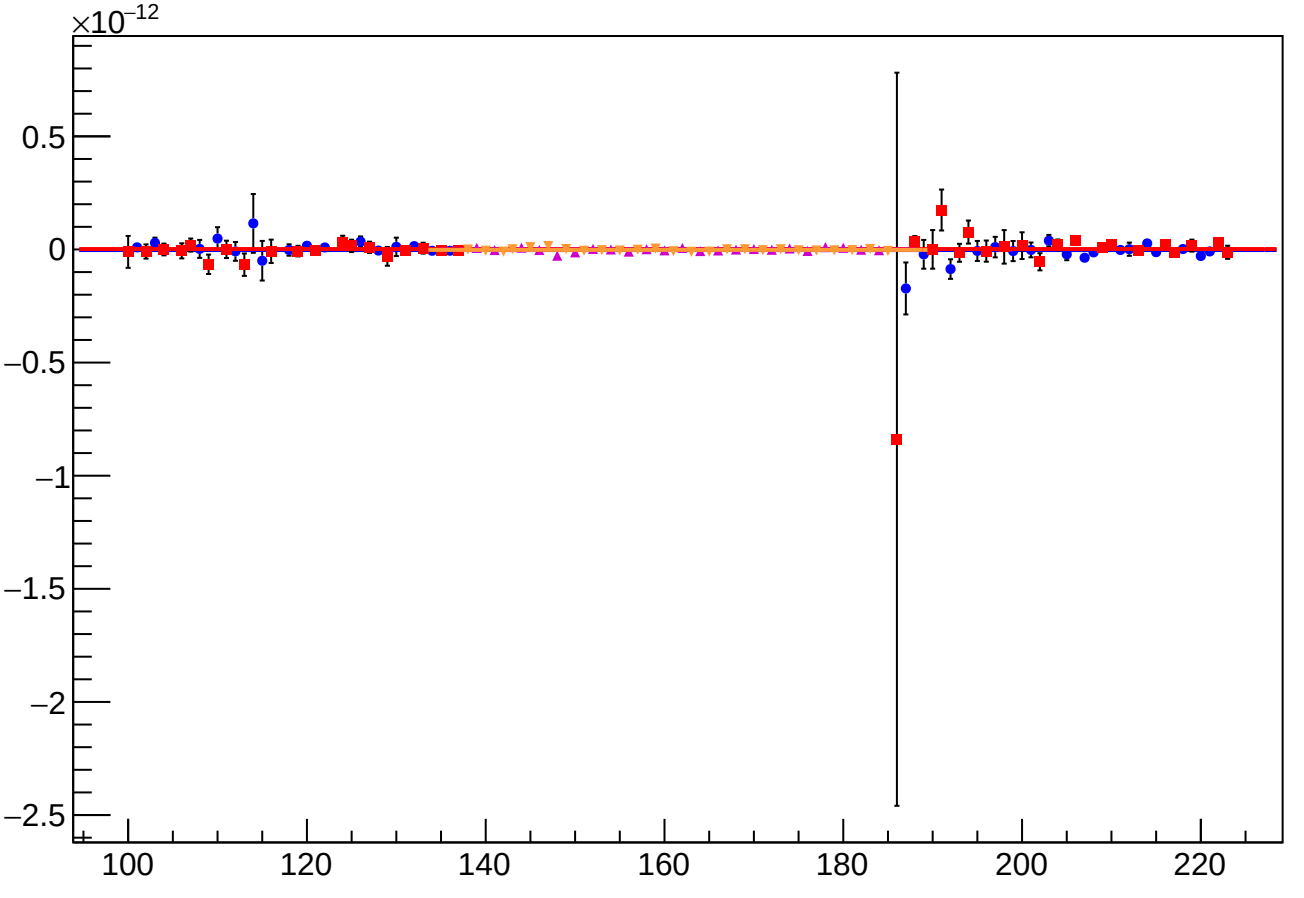
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.622+/-0.002 χ^2/NDF: 12021549.4/72

In: 15.083+/-0.002 χ^2/NDF:8152958.1/56

Out: 15.611+/-0.002 χ^2/NDF:9699490.0/63

All: 15.343+/-0.001 χ^2/NDF: 17892546.0/120



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

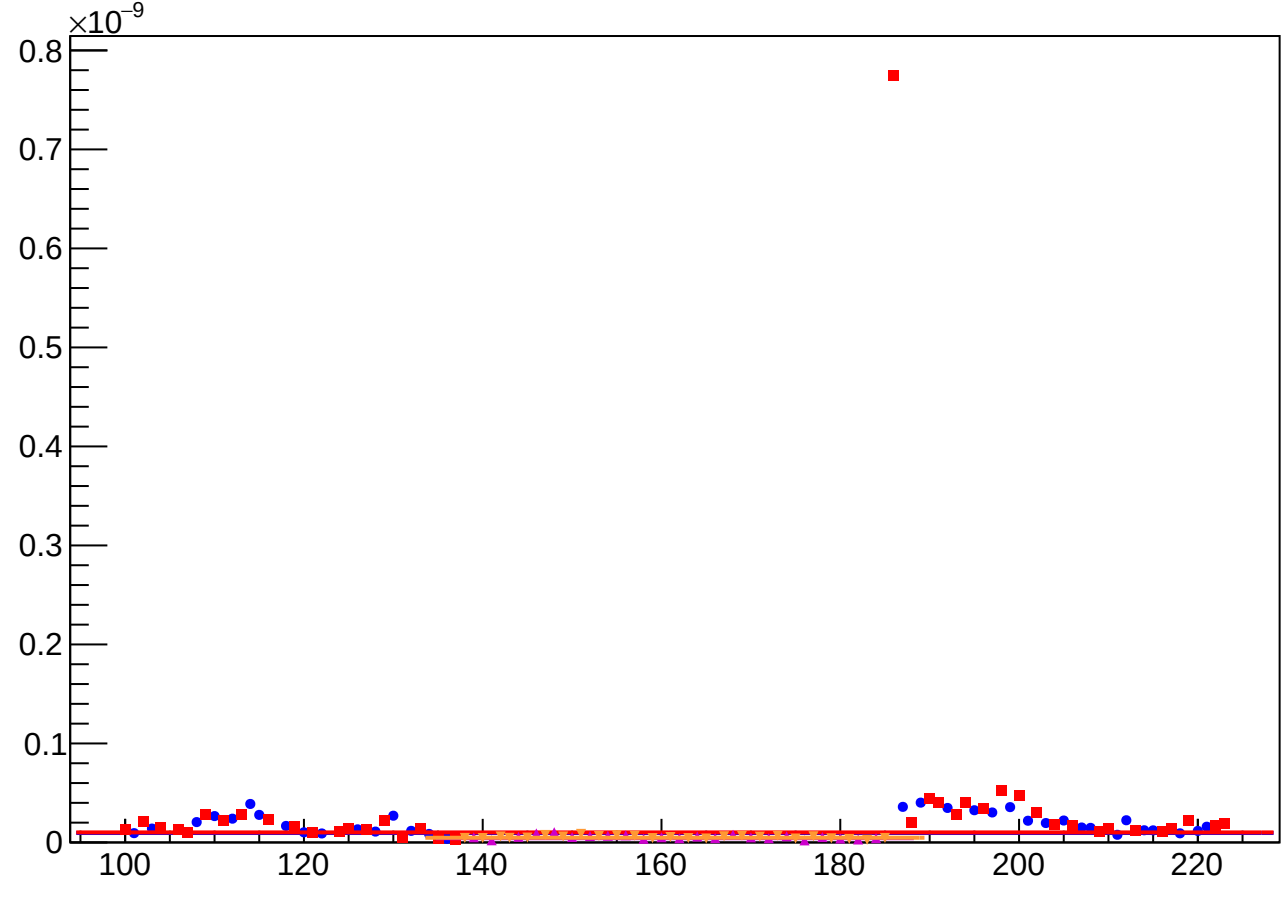
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 60.3/72

In: -0.000+/-0.000 χ^2/NDF:51.8/56

Out: -0.000+/-0.000 χ^2/NDF:45.4/63

All: -0.000+/-0.000 χ^2/NDF: 97.3/120



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

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

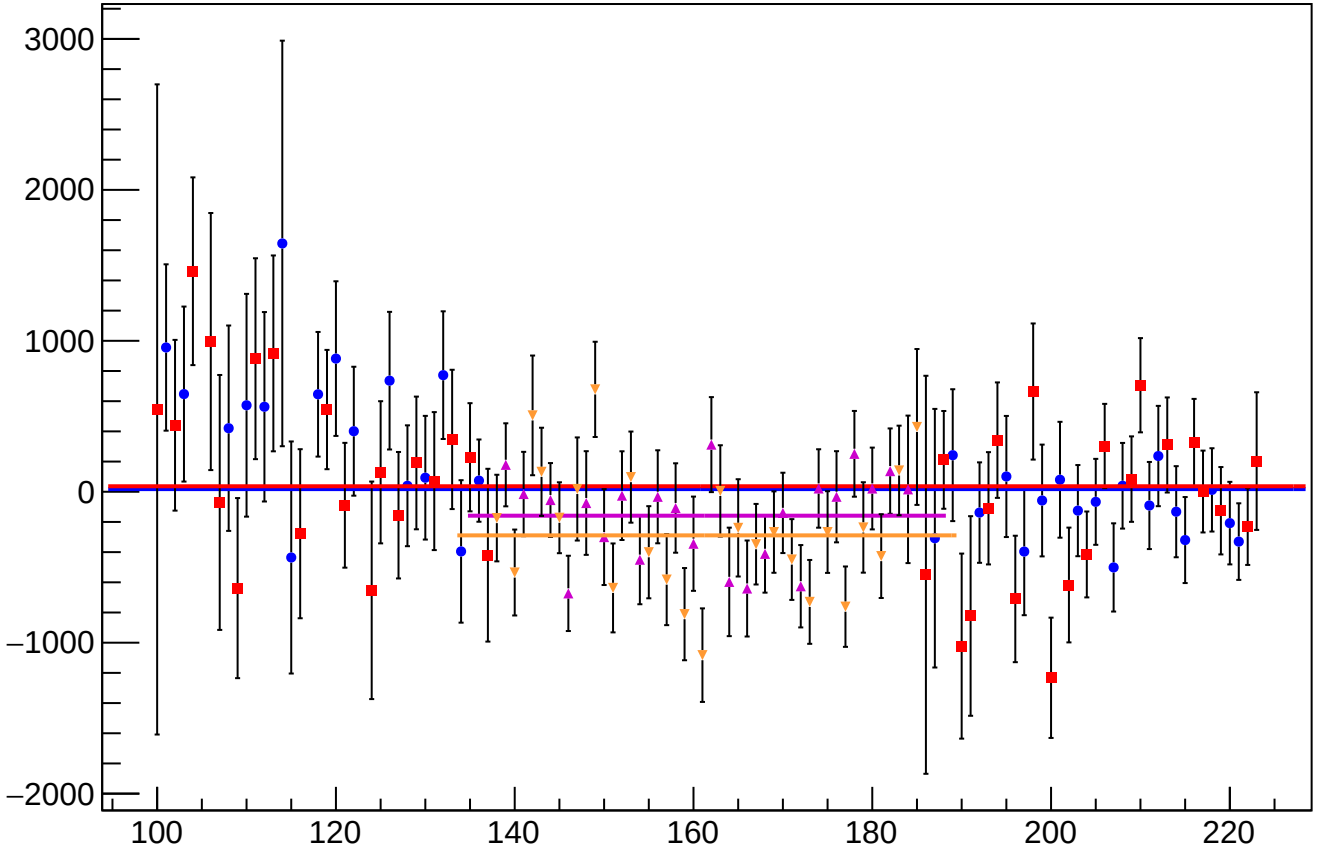
Right: 0.000+/-0.000 χ^2/NDF: 21896641.8/72

In: 0.000+/-0.000 χ^2/NDF:18416353.4/56

Out: 0.000+/-0.000 χ^2/NDF:19012542.7/63

All: 0.000+/-0.000 χ^2/NDF: 37559806.5/120

reg_asym_sam2_mean vs Slug, Sign Corrected



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

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

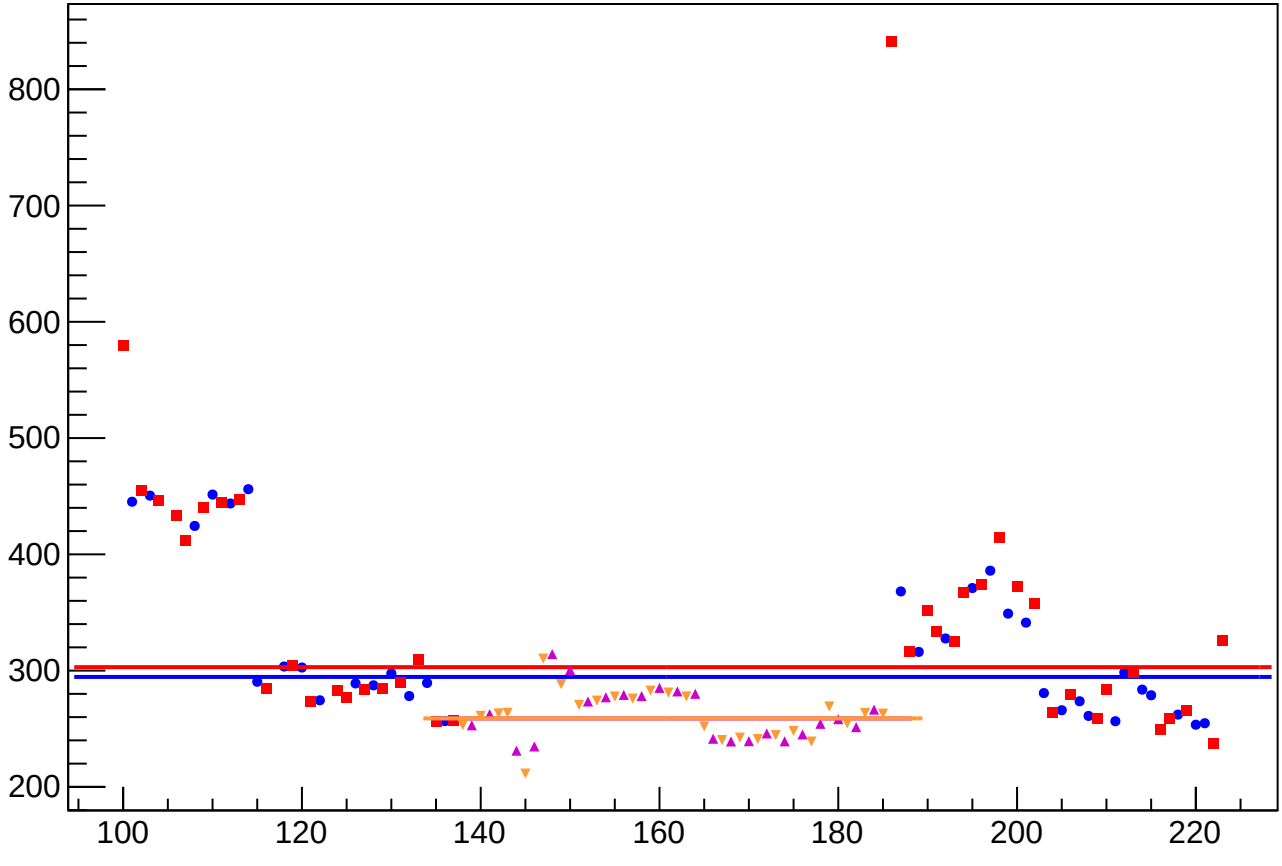
Right: 26.822+/-45.452 χ^2/NDF: 82.2/72

In: -74.800+/-43.959 χ^2/NDF:56.5/56

Out: -141.462+/-43.650 χ^2/NDF:108.3/63

All: -108.366+/-30.974 χ^2/NDF: 166.0/120

reg_asym_sam2_rms vs Slug, Sign Corrected



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

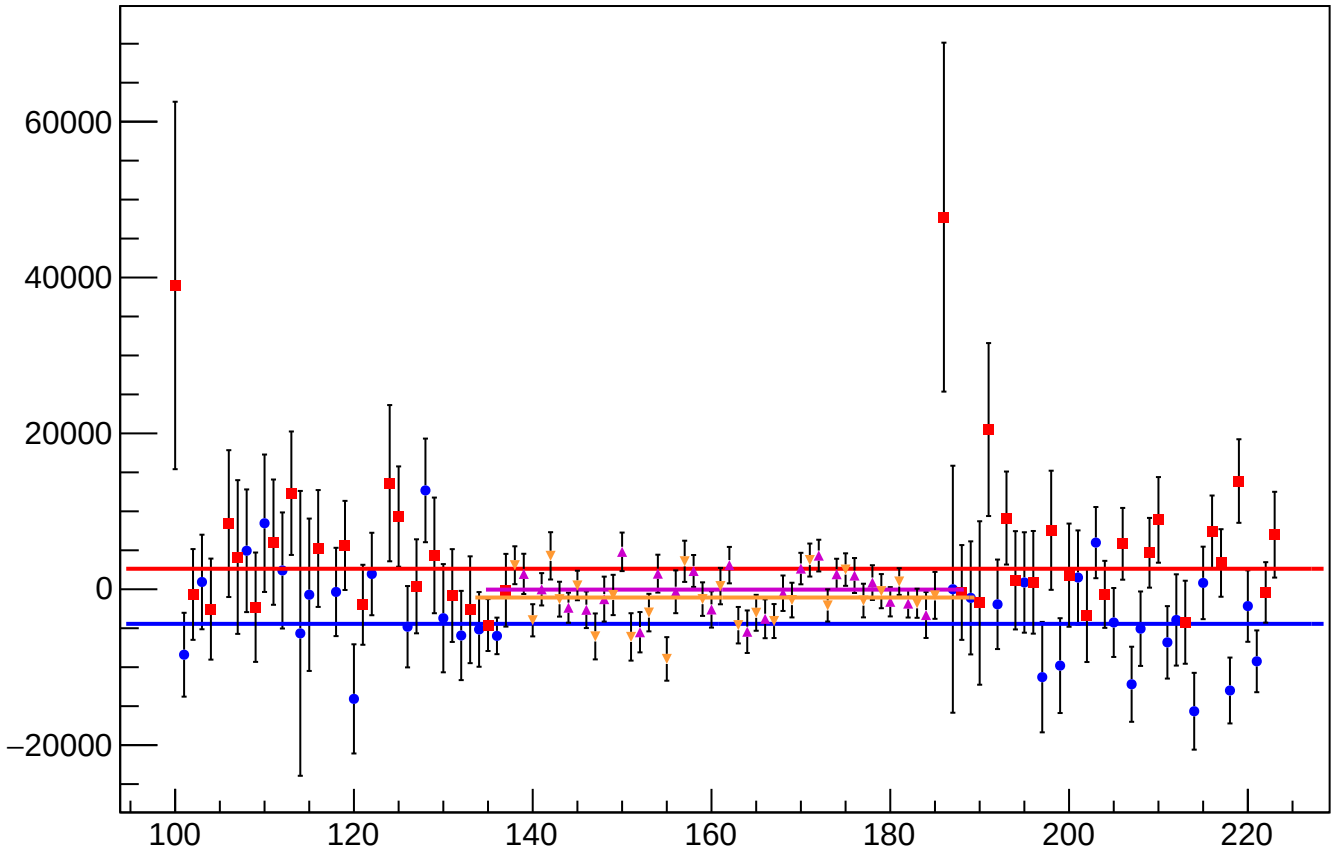
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 298.702+/-0.032 χ^2/NDF: 3012137.0/72

In: 275.834+/-0.031 χ^2/NDF:1730453.8/56

Out: 278.889+/-0.031 χ^2/NDF:2592835.3/63

All: 277.372+/-0.022 χ^2/NDF: 4328151.2/120



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

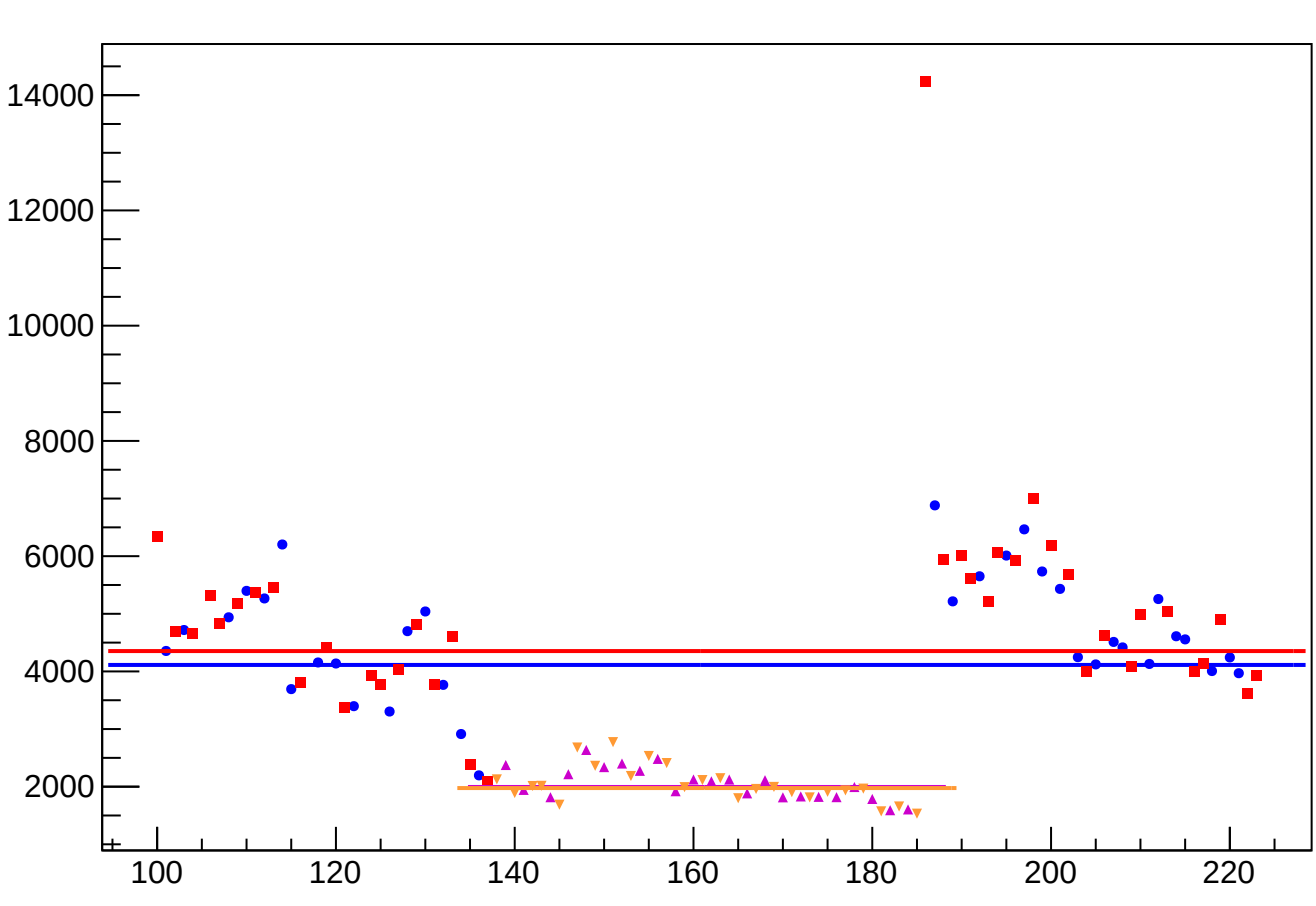
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1040.359+/-654.262 χ^2/NDF: 106.6/72

In: -975.214+/-417.873 χ^2/NDF:93.7/56

Out: -364.060+/-409.598 χ^2/NDF:90.2/63

All: -663.526+/-292.511 χ^2/NDF: 185.1/120



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

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

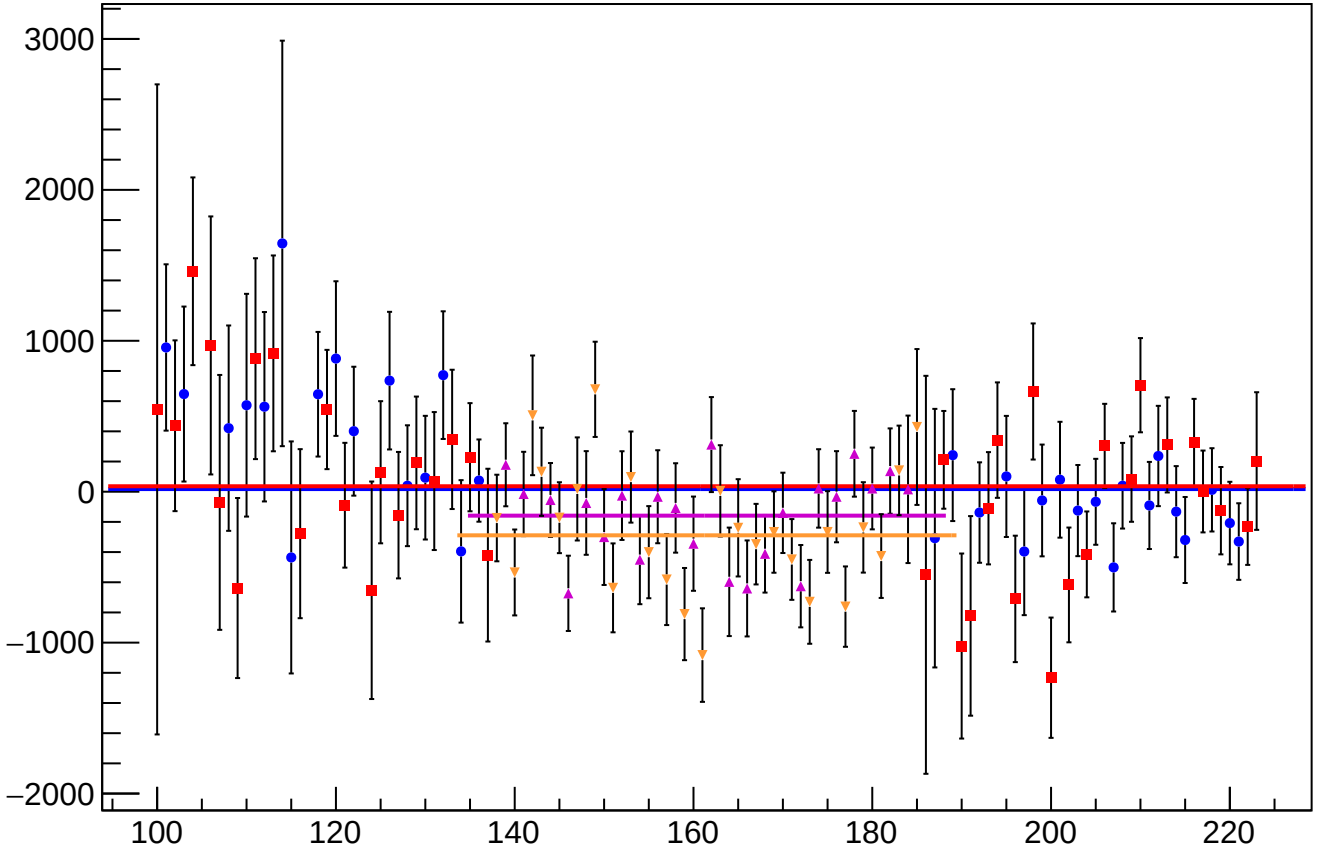
Right: 4228.247+/-0.463 χ^2/NDF: 5927205.7/72

In: 2443.450+/-0.295 χ^2/NDF:11975677.5/56

Out: 2423.788+/-0.290 χ^2/NDF:14125498.0/63

All: 2433.423+/-0.207 χ^2/NDF: 26103433.8/1

cor_asym_sam2_mean vs Slug, Sign Corrected



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

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

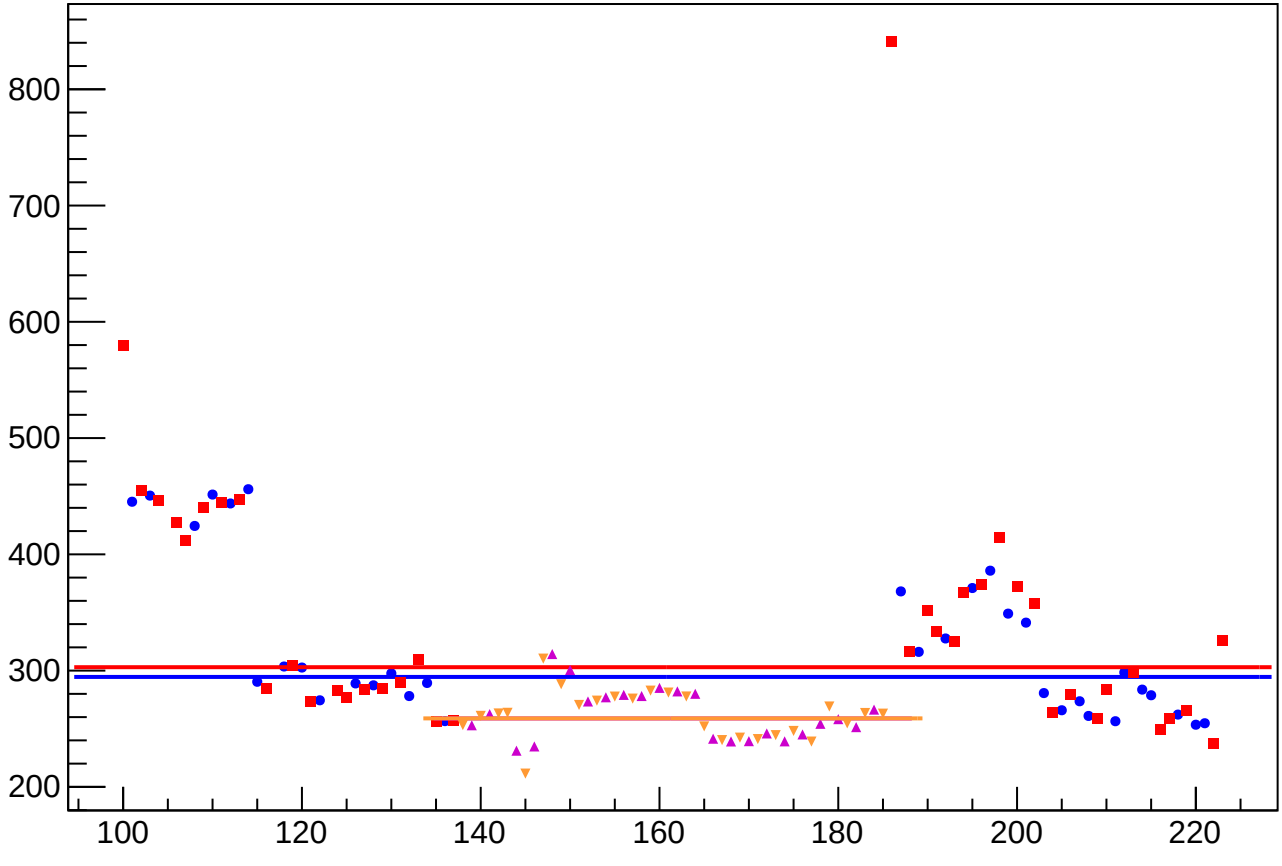
Right: 26.686+/-45.453 χ^2/NDF: 82.1/72

In: -74.816+/-43.959 χ^2/NDF:56.5/56

Out: -141.584+/-43.651 χ^2/NDF:108.2/63

All: -108.436+/-30.974 χ^2/NDF: 165.9/120

cor_asym_sam2_rms vs Slug, Sign Corrected



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

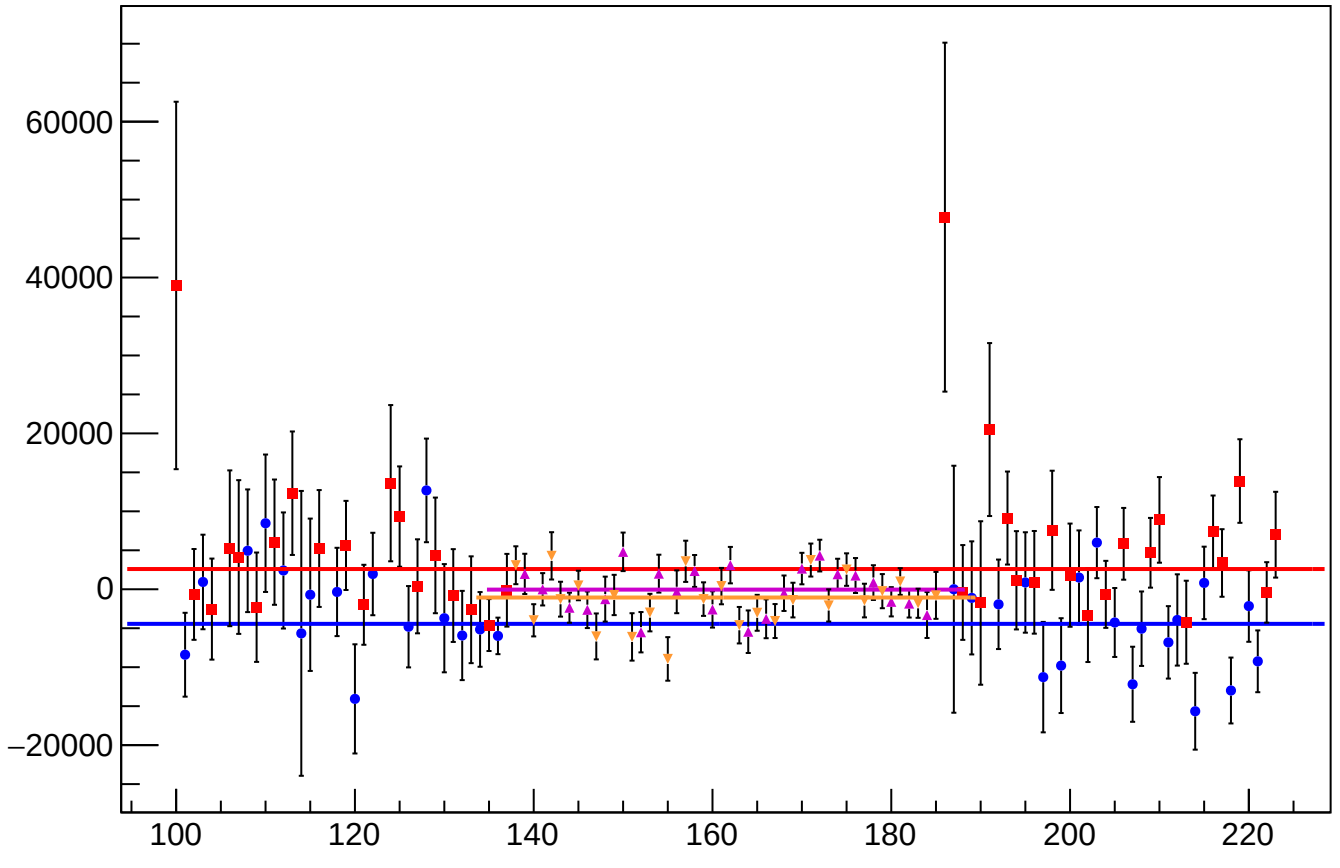
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 298.680+/-0.032 χ^2/NDF: 3007098.7/72

In: 275.834+/-0.031 χ^2/NDF:1730455.4/56

Out: 278.868+/-0.031 χ^2/NDF:2586951.3/63

All: 277.362+/-0.022 χ^2/NDF: 4322203.6/120



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

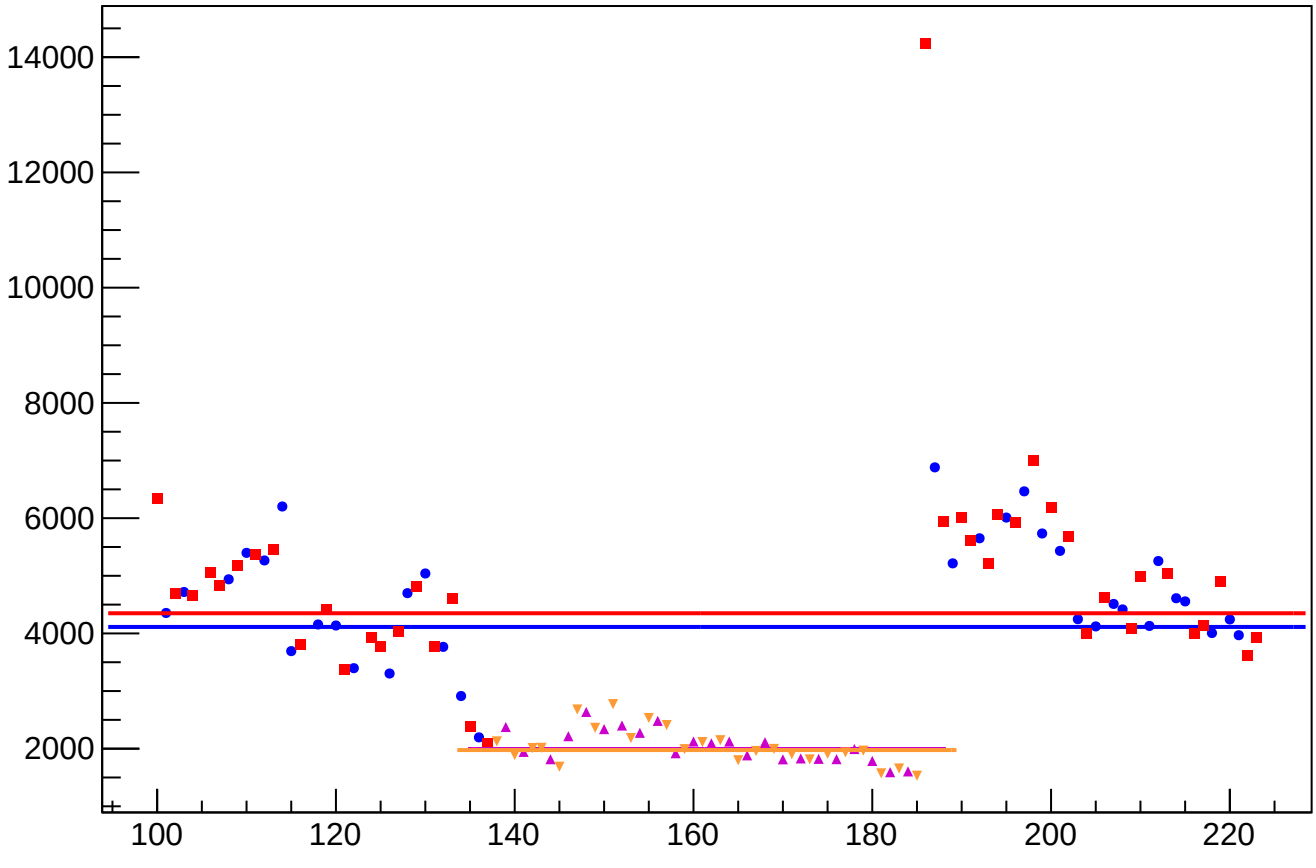
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1058.939+/-654.443 χ^2/NDF: 106.0/72

In: -975.206+/-417.873 χ^2/NDF:93.7/56

Out: -371.201+/-409.642 χ^2/NDF:89.7/63

All: -667.197+/-292.527 χ^2/NDF: 184.5/120



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

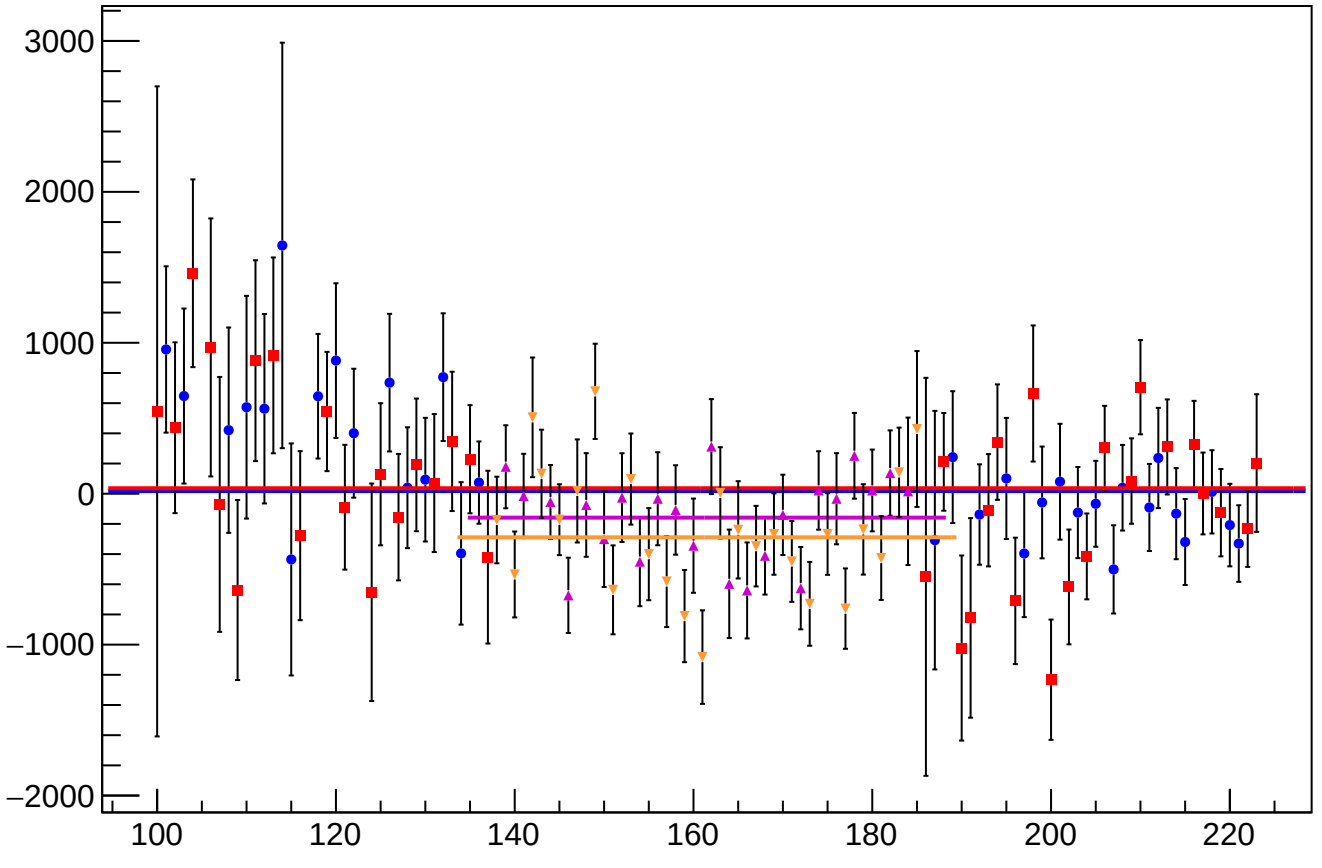
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4226.638+/-0.463 χ^2/NDF: 5914932.1/72

In: 2443.451+/-0.295 χ^2/NDF:11975697.3/56

Out: 2422.767+/-0.290 χ^2/NDF:14077688.1/63

All: 2432.903+/-0.207 χ^2/NDF: 26055884.0/1



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

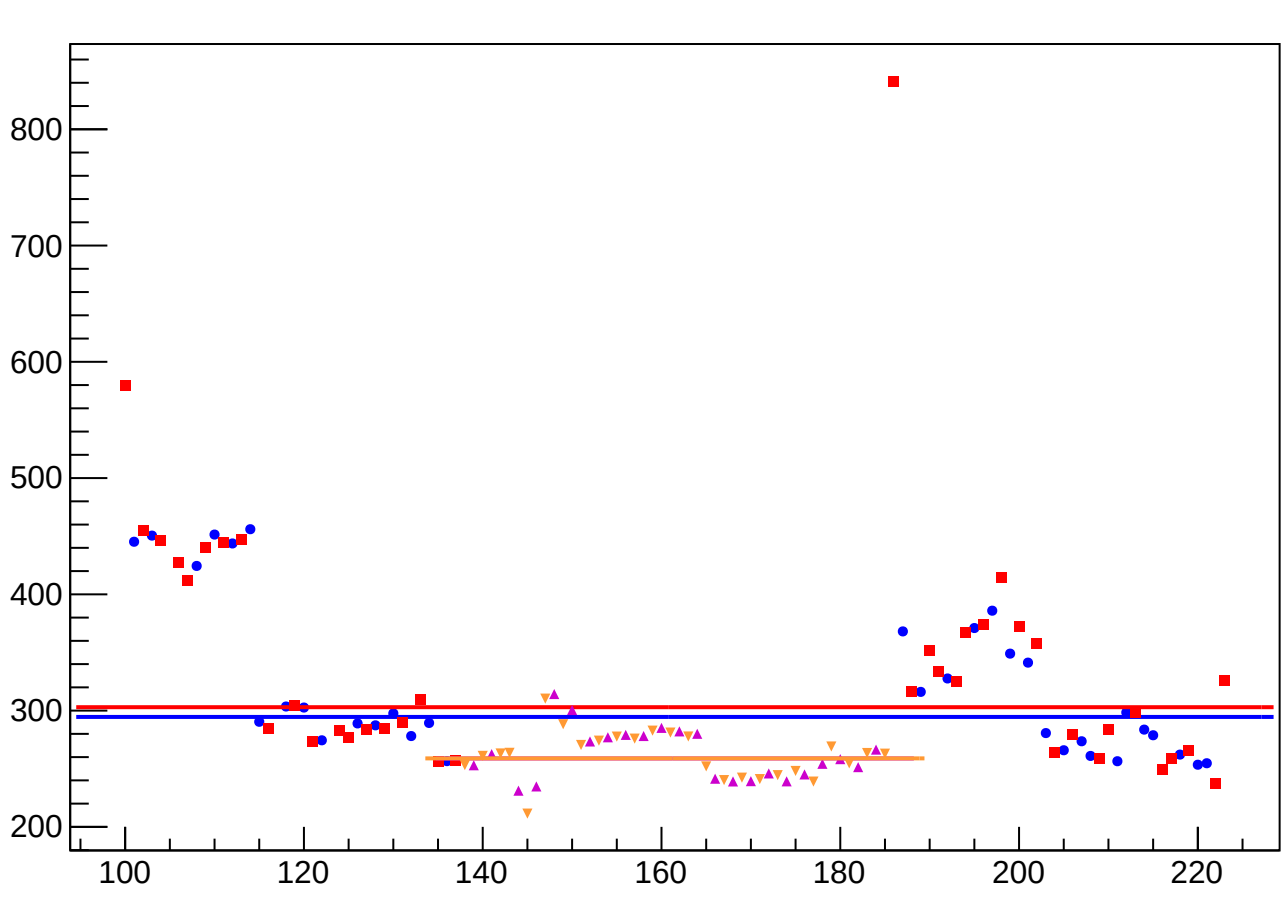
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 26.686+/-45.453 χ^2/NDF: 82.1/72

In: -74.816+/-43.959 χ^2/NDF:56.5/56

Out: -141.584+/-43.651 χ^2/NDF:108.2/63

All: -108.436+/-30.974 χ^2/NDF: 165.9/120



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

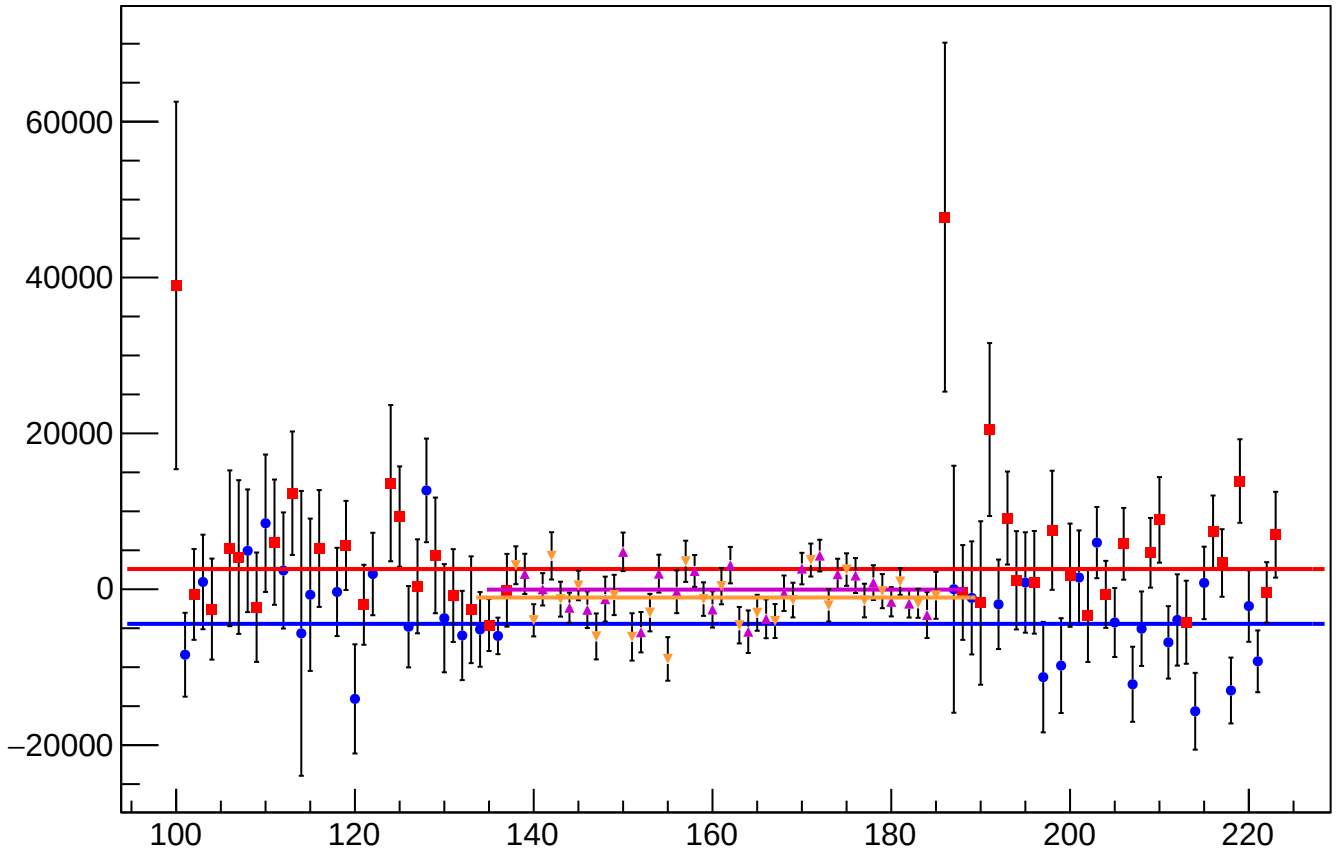
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 298.680+/-0.032 χ^2/NDF: 3007098.7/72

In: 275.834+/-0.031 χ^2/NDF:1730455.4/56

Out: 278.868+/-0.031 χ^2/NDF:2586951.3/63

All: 277.362+/-0.022 χ^2/NDF: 4322203.6/120



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

Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

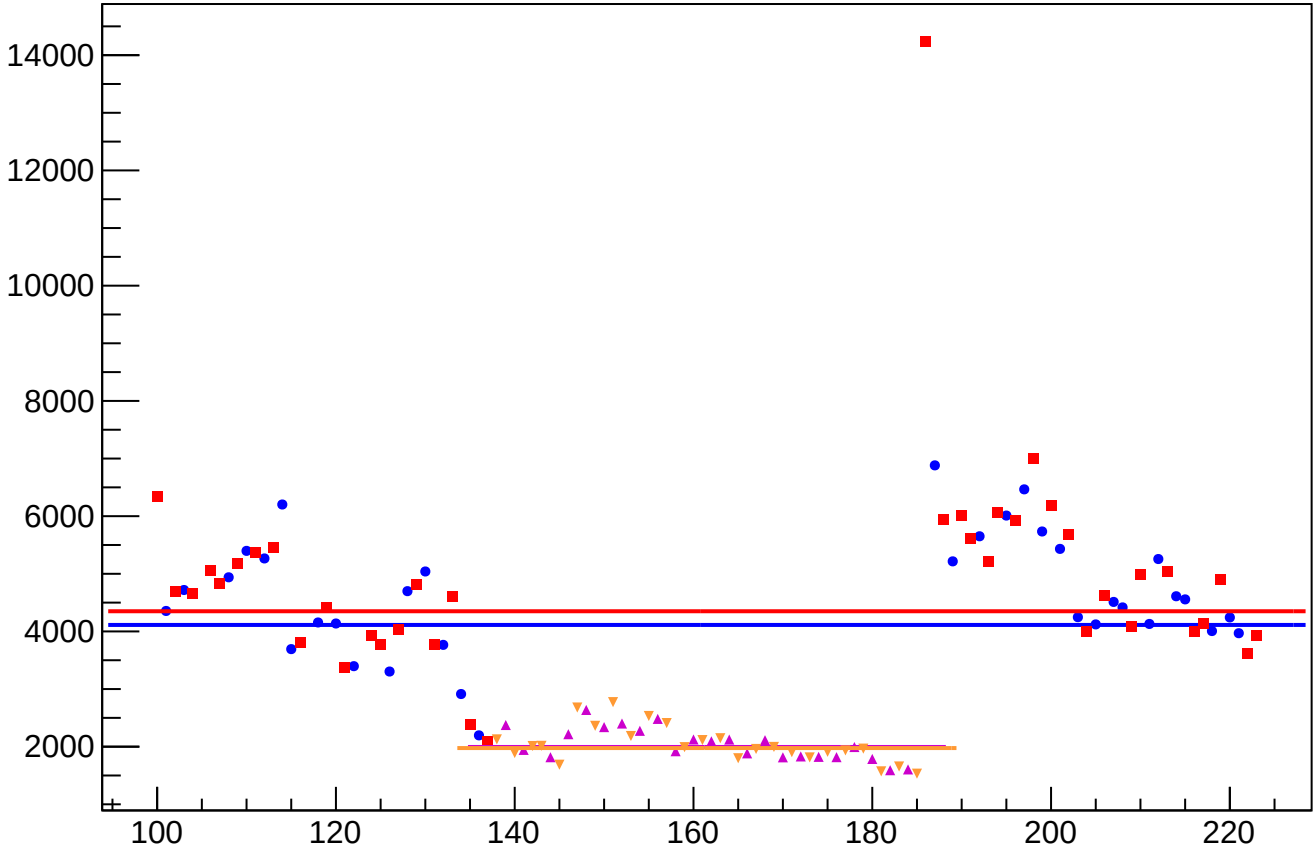
Right: -1058.939+/-654.443 χ^2/NDF: 106.0/72

In: -975.206+/-417.873 χ^2/NDF:93.7/56

Out: -371.201+/-409.642 χ^2/NDF:89.7/63

All: -667.197+/-292.527 χ^2/NDF: 184.5/120

asym_sam2_eigen_cor_correction_rms vs Slug, Sign Corrected



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

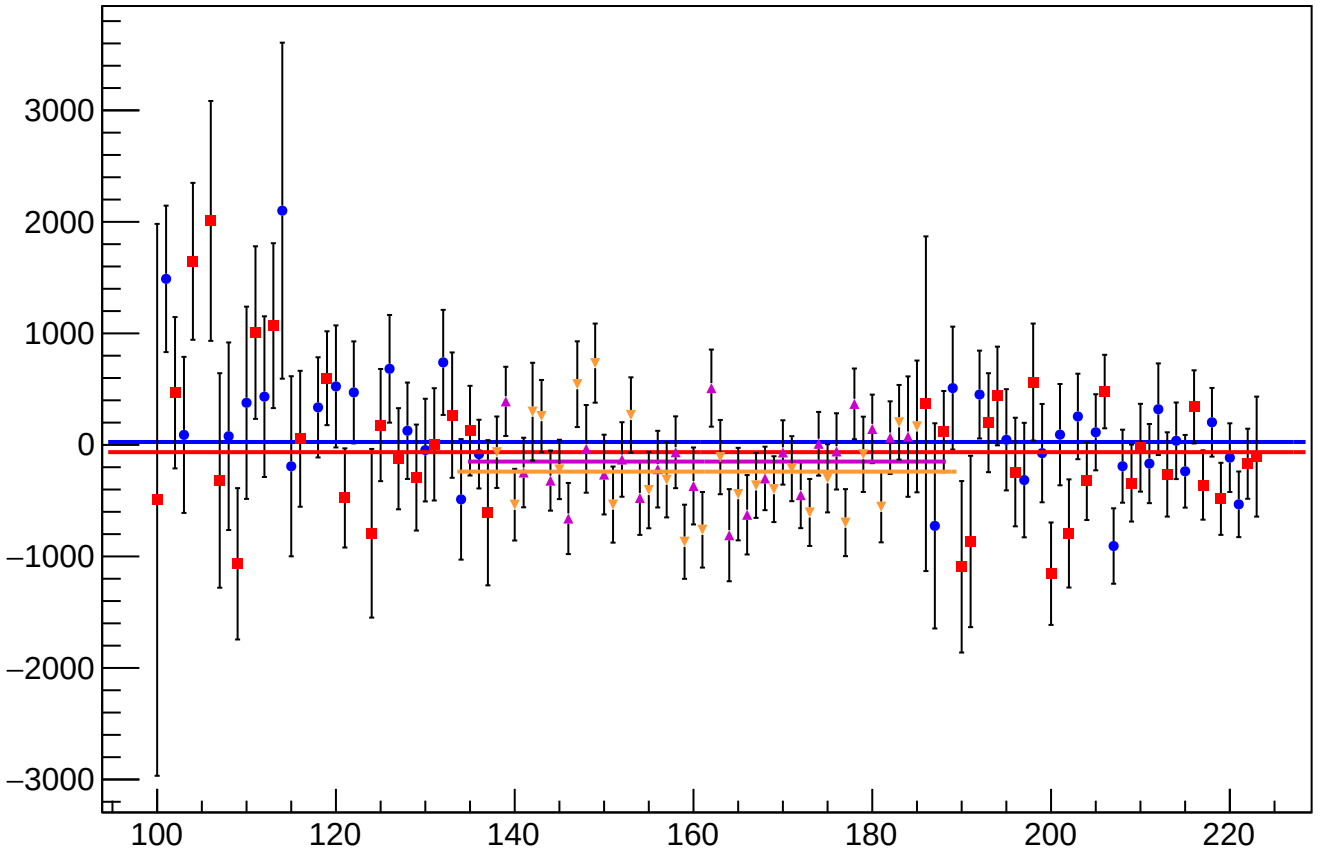
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4226.638+/-0.463 χ^2/NDF: 5914932.1/72

In: 2443.451+/-0.295 χ^2/NDF:11975697.3/56

Out: 2422.767+/-0.290 χ^2/NDF:14077688.1/63

All: 2432.903+/-0.207 χ^2/NDF: 26055884.0/1



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

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

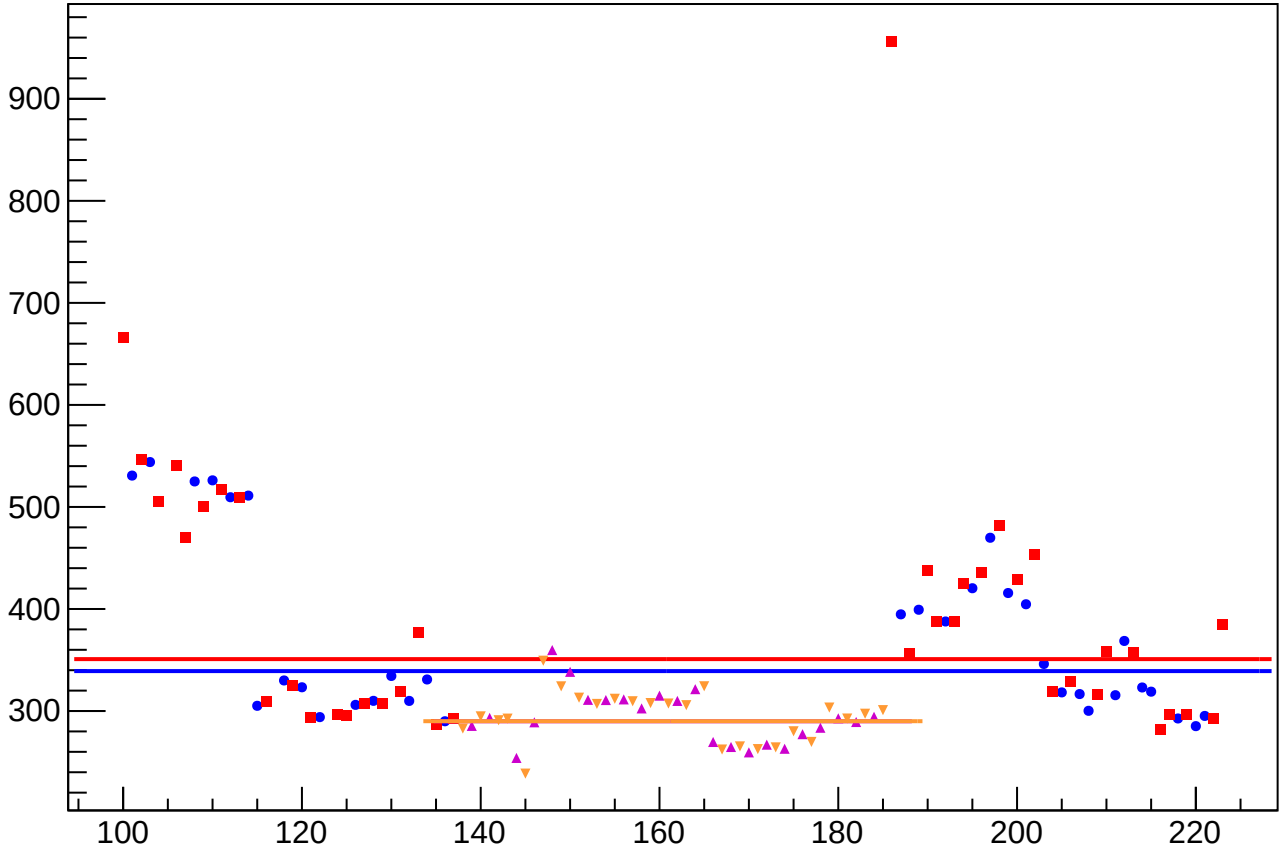
Right: -18.337+/-52.646 χ^2/NDF: 78.5/72

In: -68.422+/-50.024 χ^2/NDF:56.9/56

Out: -163.451+/-49.700 χ^2/NDF:82.7/63

All: -116.246+/-35.257 χ^2/NDF: 141.4/120

dit_asym_sam2_rms vs Slug, Sign Corrected



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

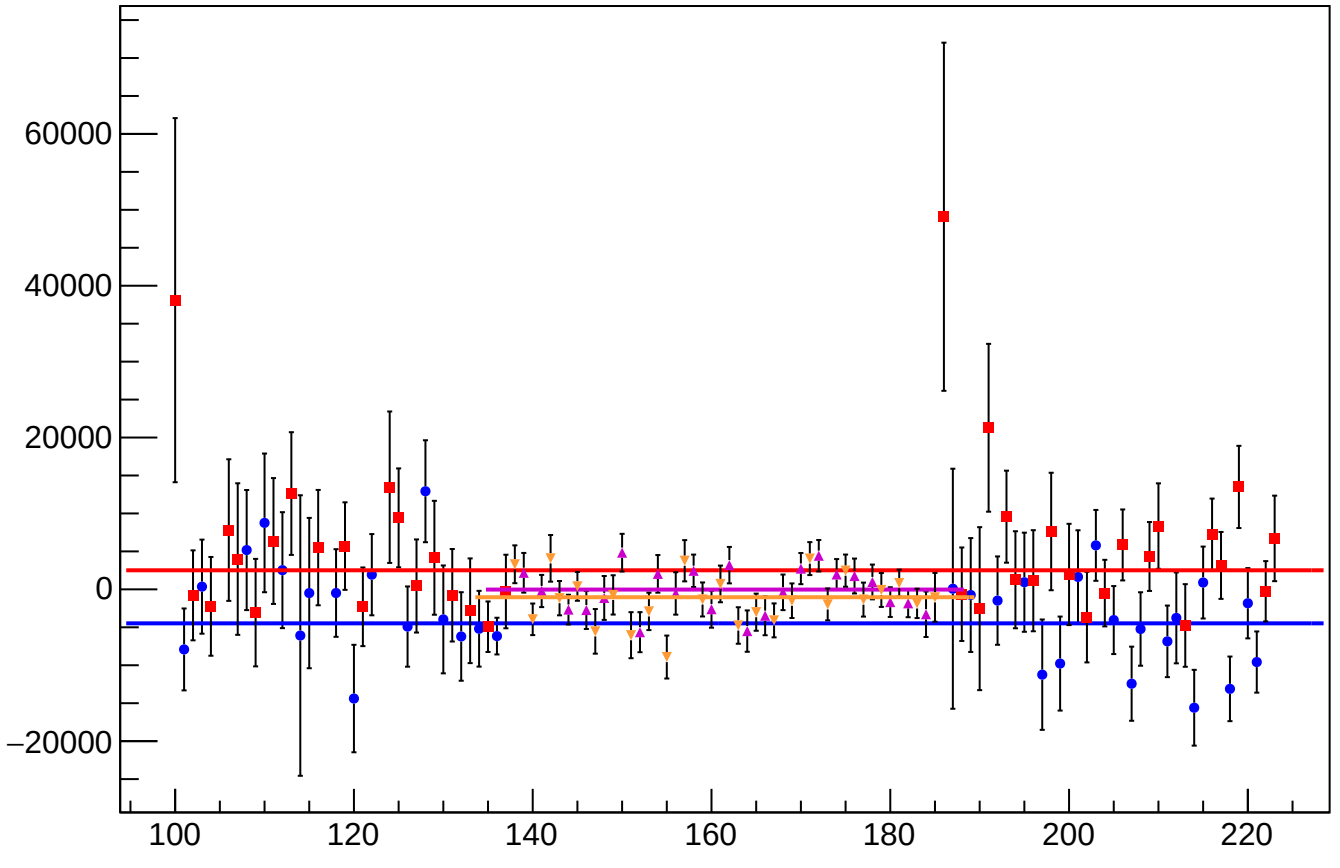
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 344.873+/-0.037 χ^2/NDF: 3338961.5/72

In: 312.634+/-0.035 χ^2/NDF:2110154.9/56

Out: 316.543+/-0.035 χ^2/NDF:2972015.7/63

All: 314.601+/-0.025 χ^2/NDF: 5088314.6/120



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

Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

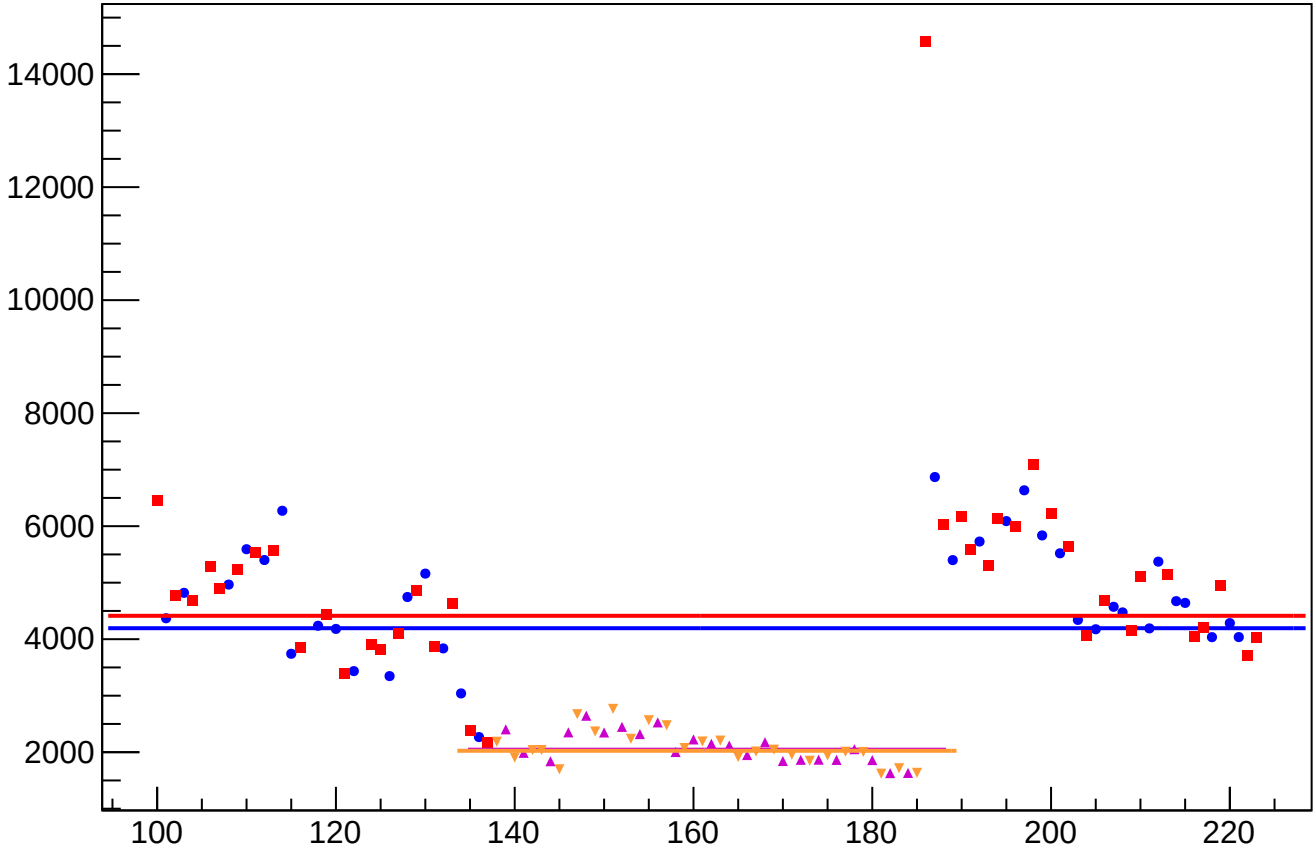
Right: -1103.642+/-664.923 χ^2/NDF: 104.8/72

In: -981.749+/-427.612 χ^2/NDF:93.1/56

Out: -358.139+/-418.464 χ^2/NDF:87.8/63

All: -663.202+/-299.081 χ^2/NDF: 182.0/120

asym_sam2_dit_correction_rms vs Slug, Sign Corrected



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

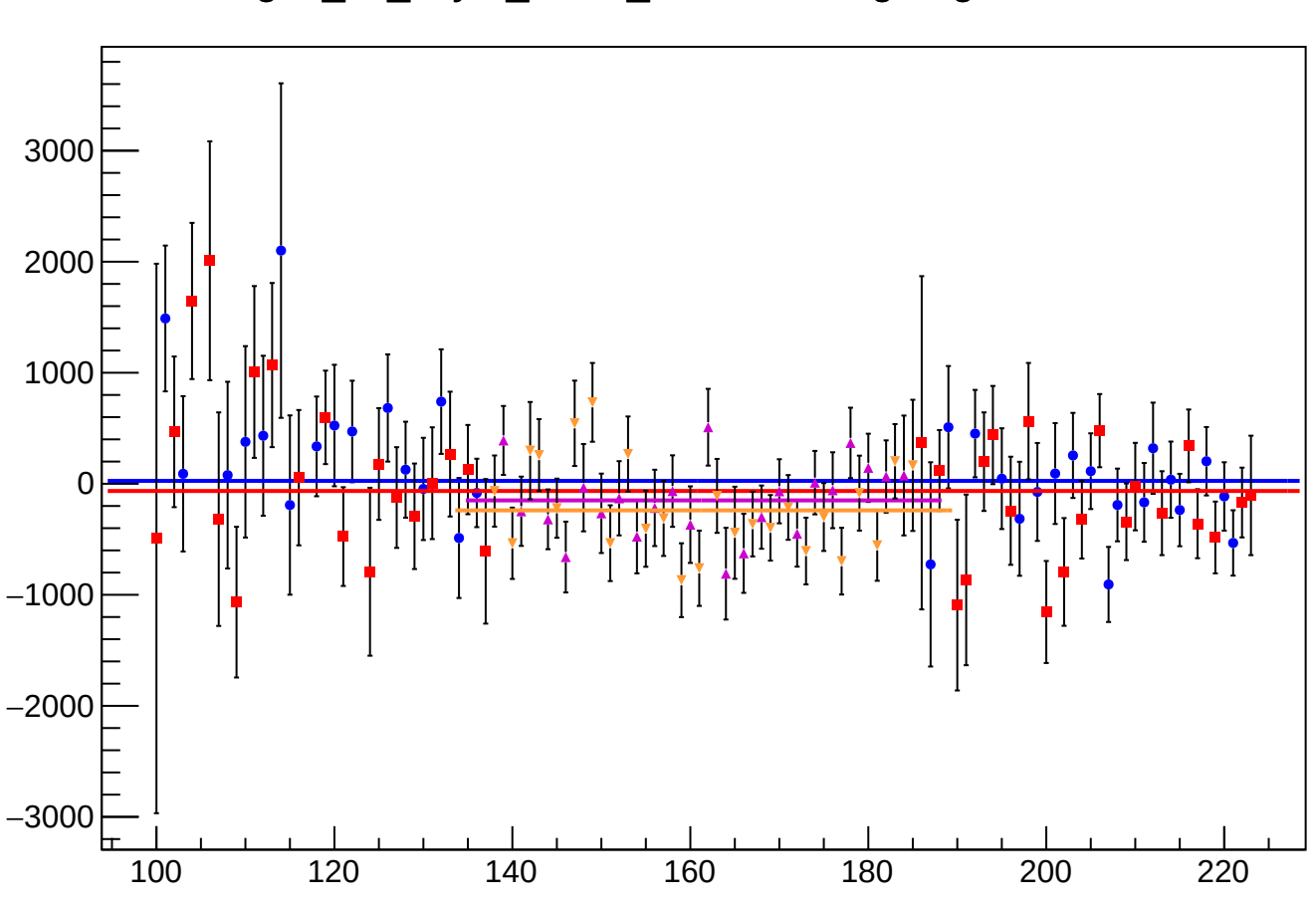
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4300.272+/-0.470 χ^2/NDF: 5810317.1/72

In: 2504.255+/-0.302 χ^2/NDF:11793831.0/56

Out: 2481.969+/-0.296 χ^2/NDF:13826488.8/63

All: 2492.871+/-0.211 χ^2/NDF: 25623094.8/1



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

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

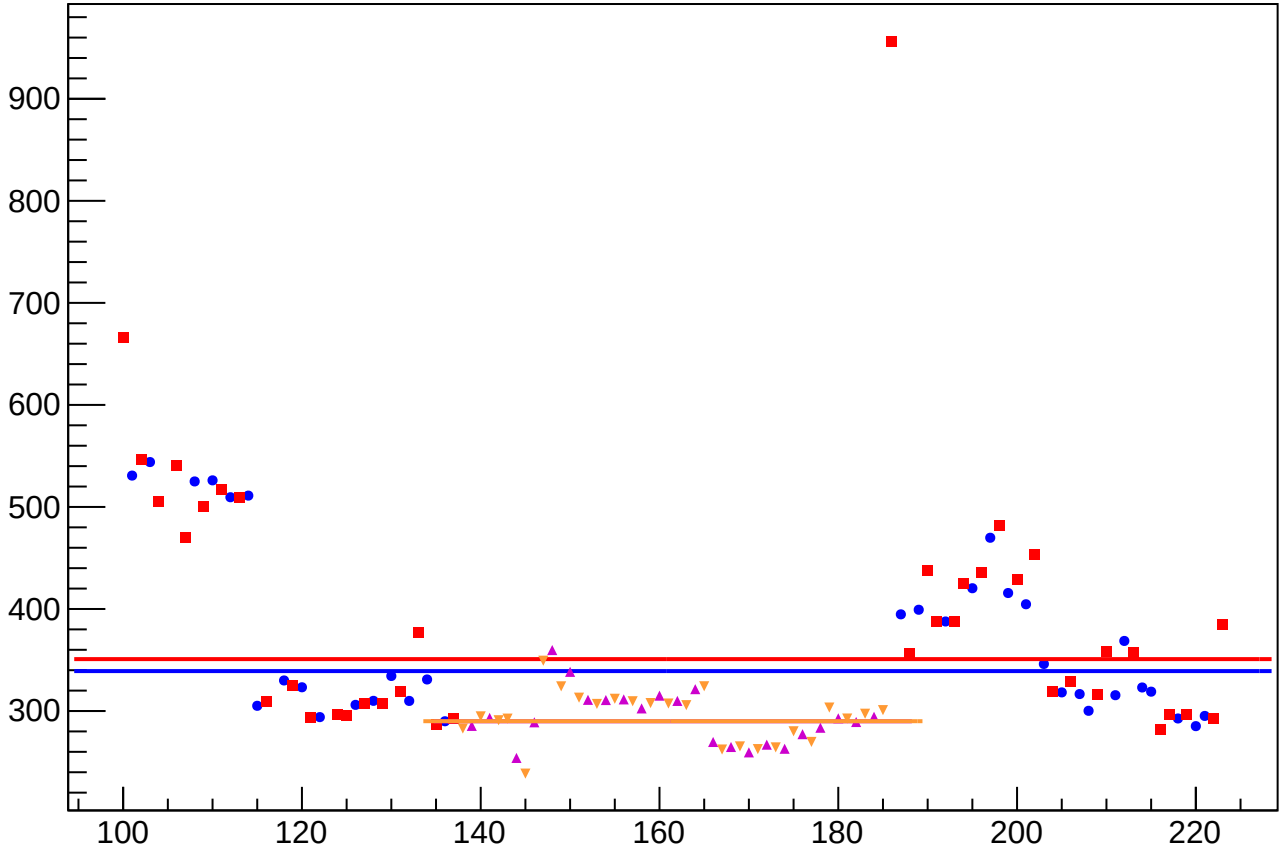
Right: -18.334+/-52.646 χ^2/NDF: 78.5/72

In: -68.418+/-50.024 χ^2/NDF:56.9/56

Out: -163.454+/-49.700 χ^2/NDF:82.7/63

All: -116.246+/-35.257 χ^2/NDF: 141.4/120

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



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

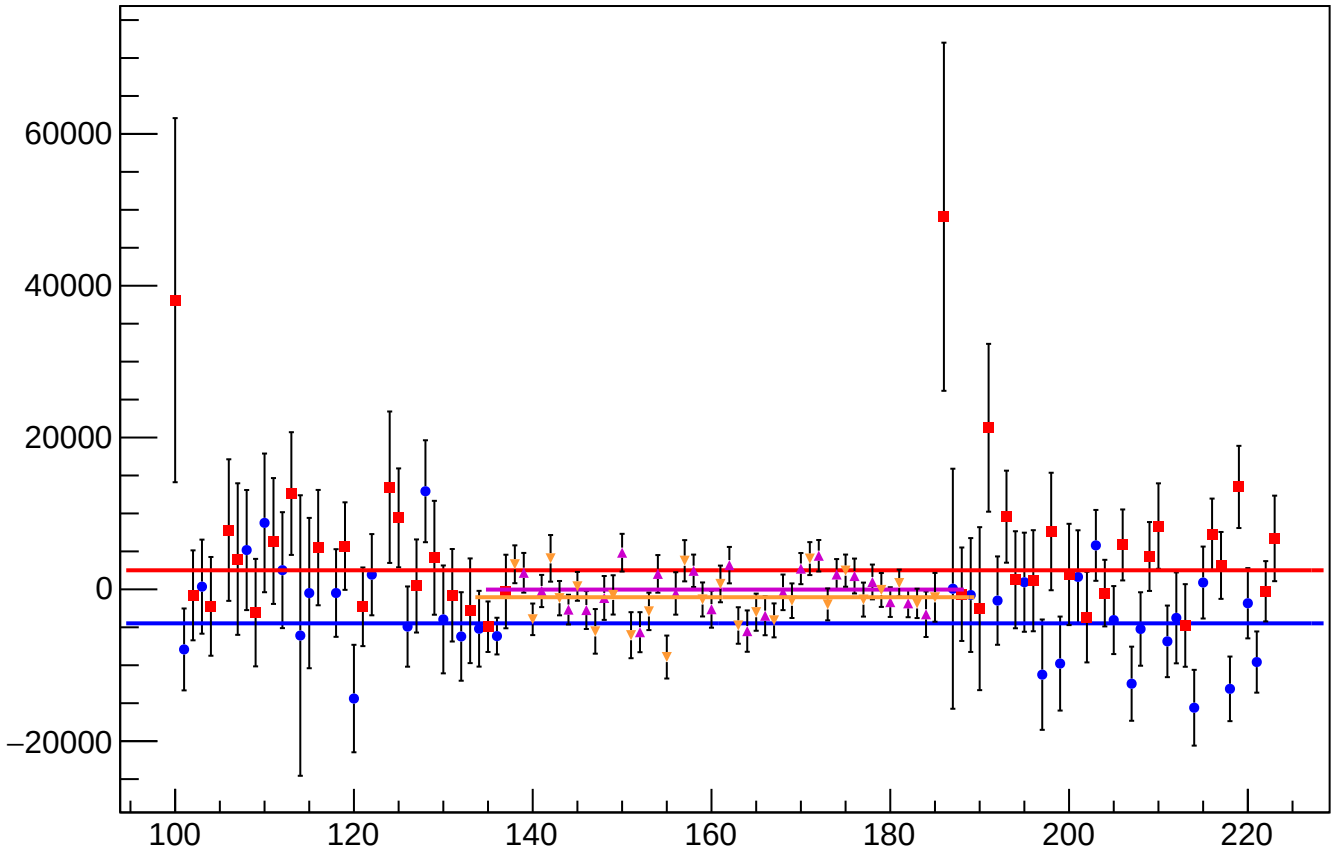
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 344.873+/-0.037 χ^2/NDF: 3338951.5/72

In: 312.634+/-0.035 χ^2/NDF:2110142.2/56

Out: 316.543+/-0.035 χ^2/NDF:2972002.3/63

All: 314.601+/-0.025 χ^2/NDF: 5088289.3/120



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

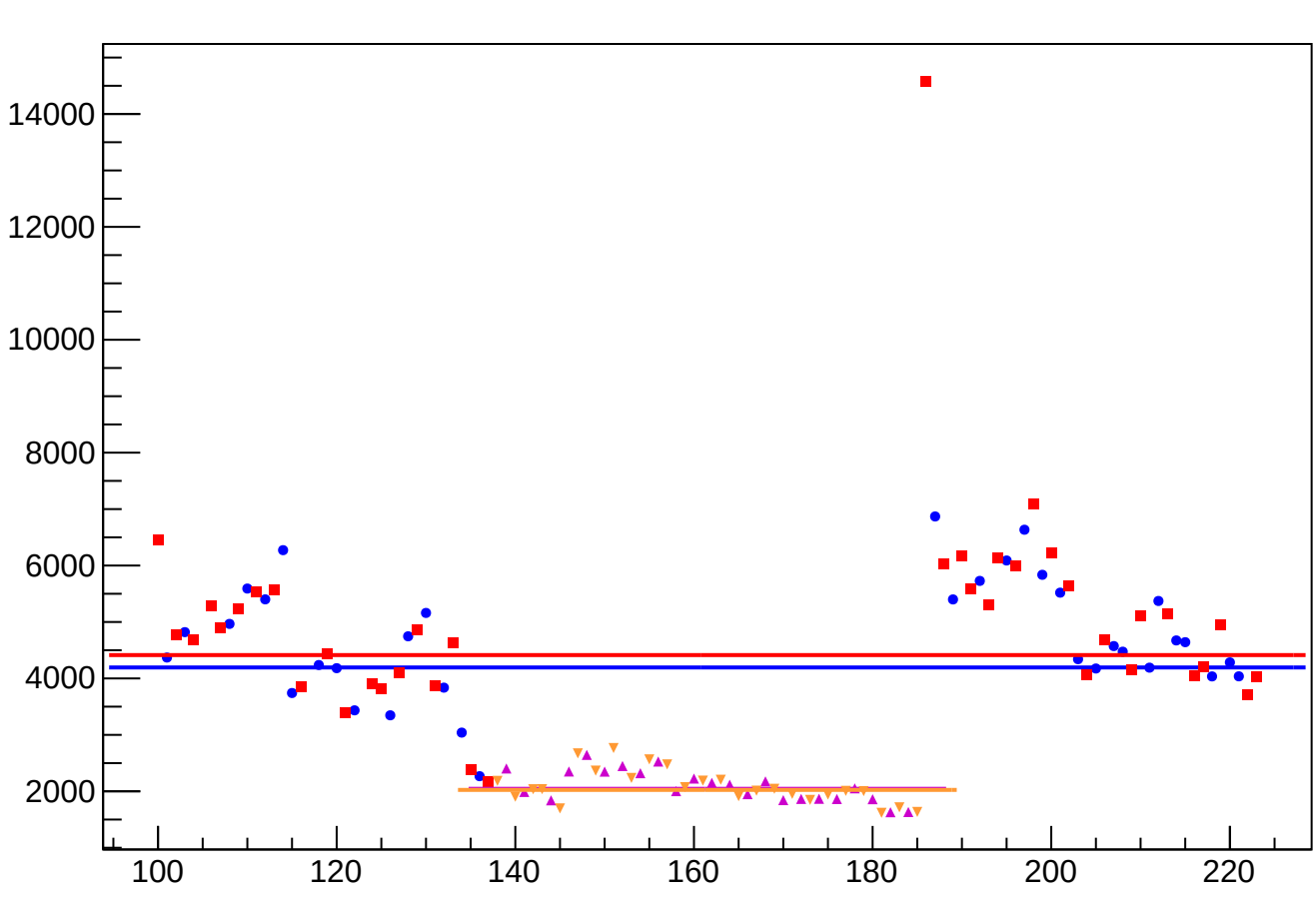
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1103.642+/-664.923 χ^2/NDF: 104.8/72

In: -981.748+/-427.612 χ^2/NDF:93.1/56

Out: -358.138+/-418.464 χ^2/NDF:87.8/63

All: -663.201+/-299.081 χ^2/NDF: 182.0/120



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

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

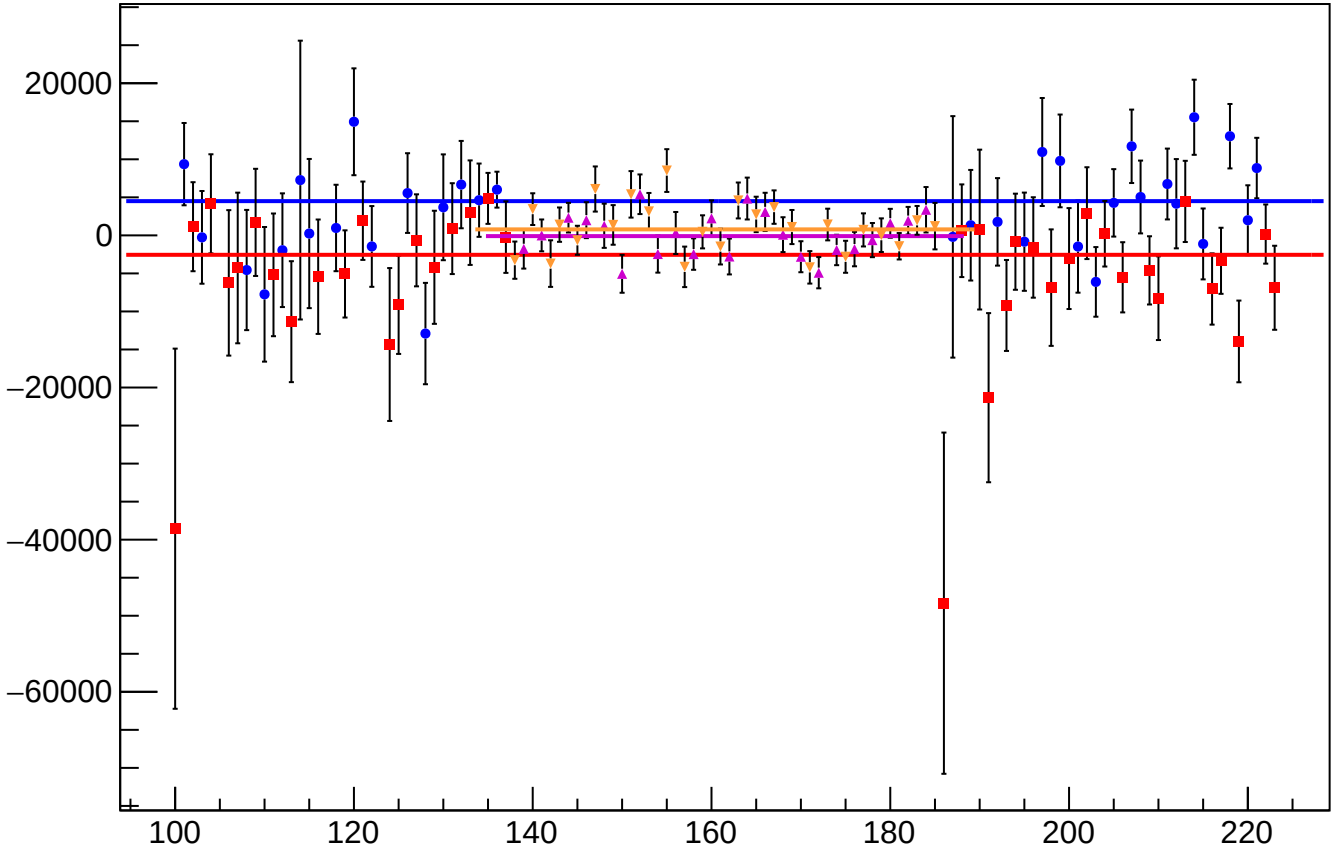
Right: 4300.270+/-0.470 χ^2/NDF: 5810303.8/72

In: 2504.255+/-0.302 χ^2/NDF:11793819.0/56

Out: 2481.969+/-0.296 χ^2/NDF:13826477.6/63

All: 2492.871+/-0.211 χ^2/NDF: 25623071.5/1

asym_sam2_mean vs Slug, Sign Corrected



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

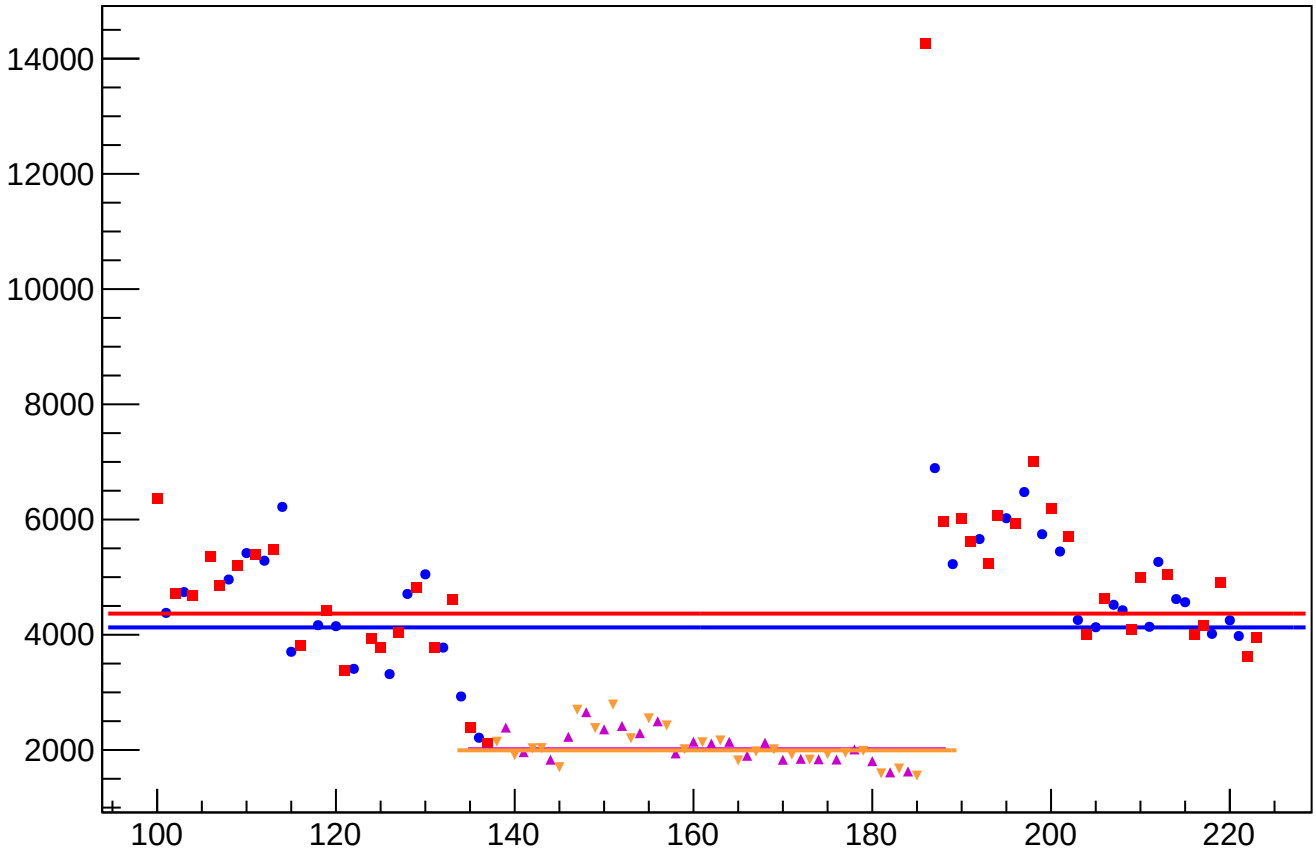
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 1109.475+/-656.326 χ^2/NDF: 105.0/72

In: 885.943+/-421.045 χ^2/NDF:93.4/56

Out: 152.578+/-412.807 χ^2/NDF:87.1/63

All: 512.016+/-294.768 χ^2/NDF: 182.0/120



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

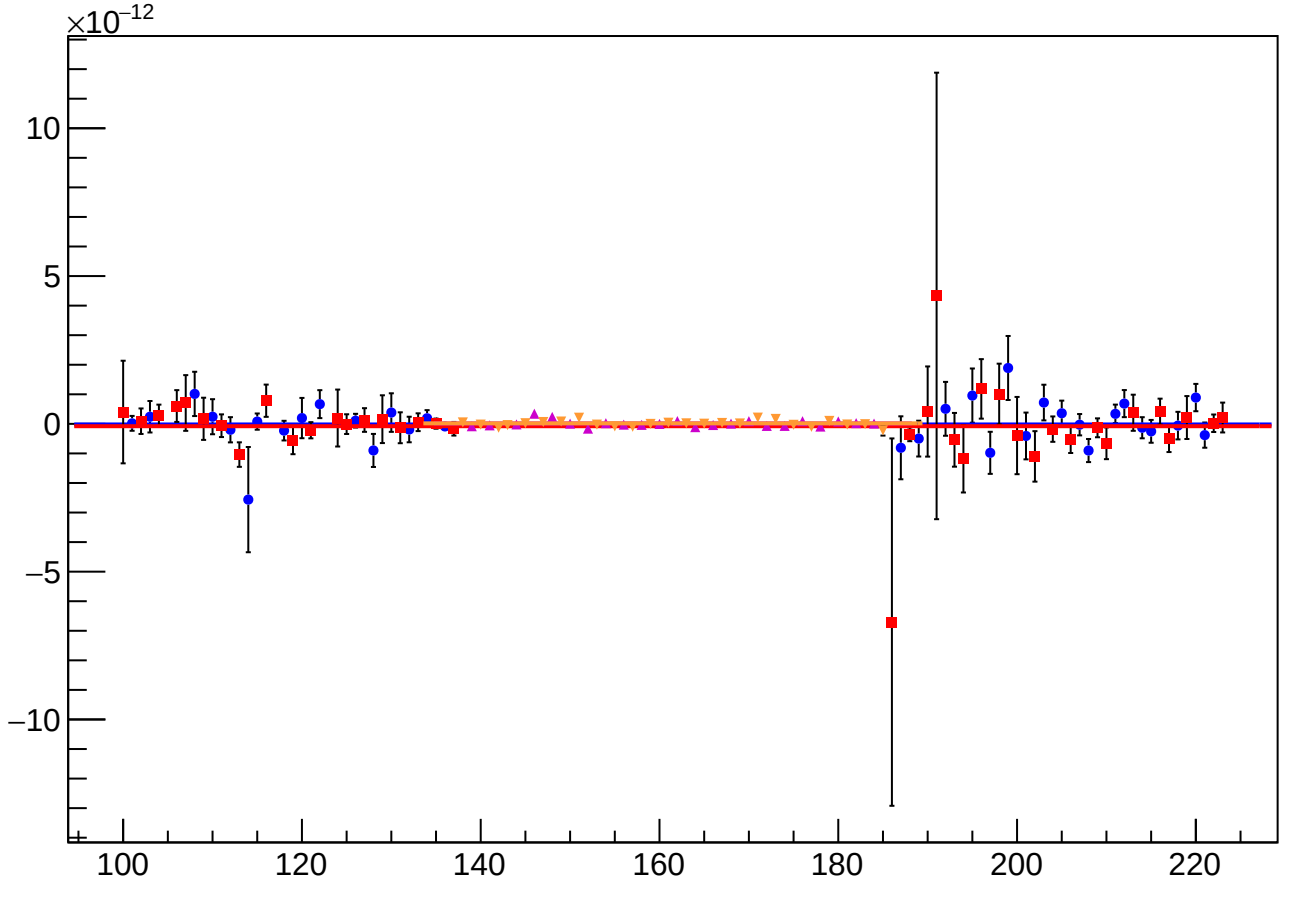
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4242.901+/-0.464 χ^2/NDF: 5872250.9/72

In: 2464.670+/-0.298 χ^2/NDF:11832747.1/56

Out: 2445.557+/-0.292 χ^2/NDF:13965837.7/63

All: 2454.925+/-0.208 χ^2/NDF: 25800686.1/1



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

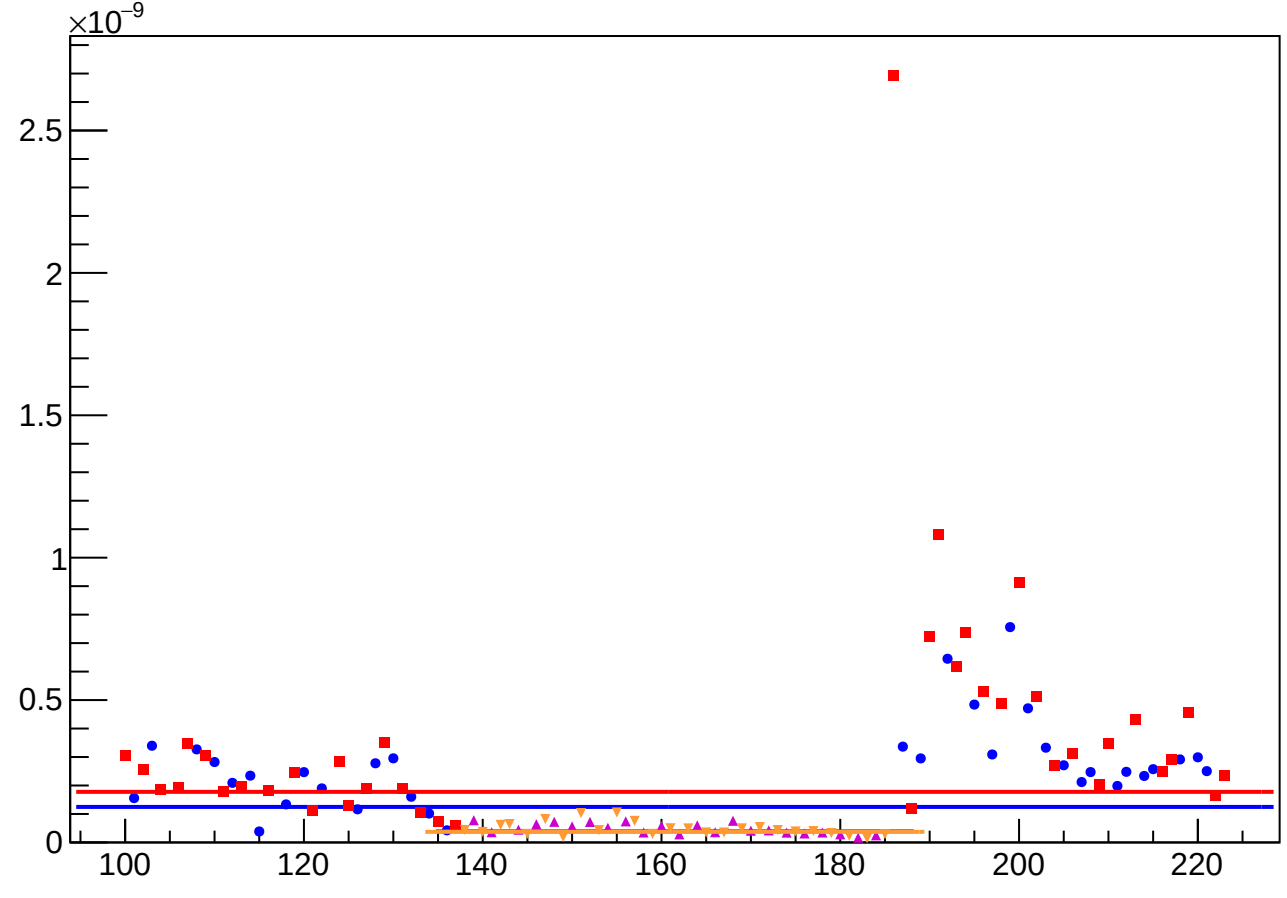
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 64.1/72

In: 0.000+/-0.000 χ^2/NDF:67.0/56

Out: 0.000+/-0.000 χ^2/NDF:50.9/63

All: 0.000+/-0.000 χ^2/NDF: 117.9/120



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

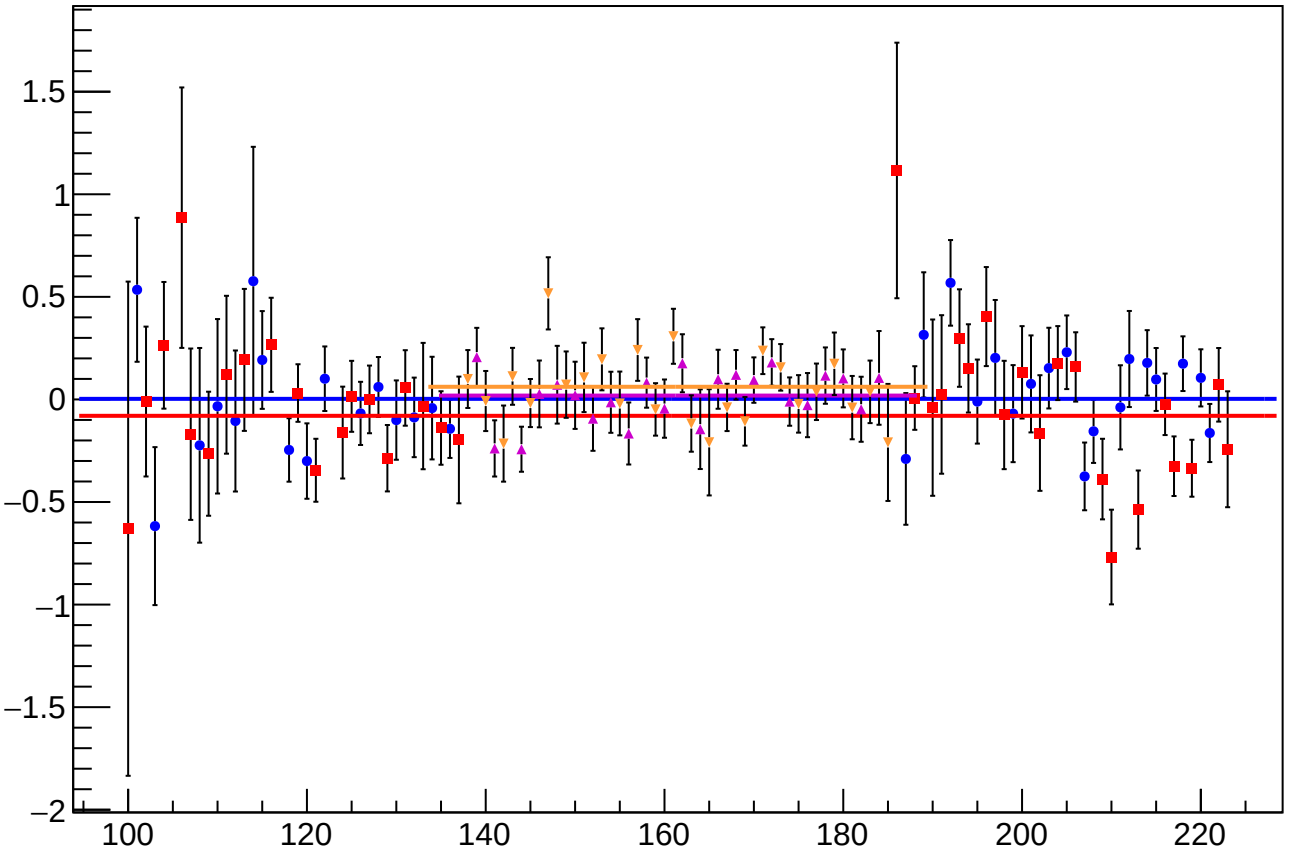
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15261209.7/72

In: 0.000+/-0.000 χ^2/NDF:14829755.4/56

Out: 0.000+/-0.000 χ^2/NDF:16765600.9/63

All: 0.000+/-0.000 χ^2/NDF: 31618910.5/120



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

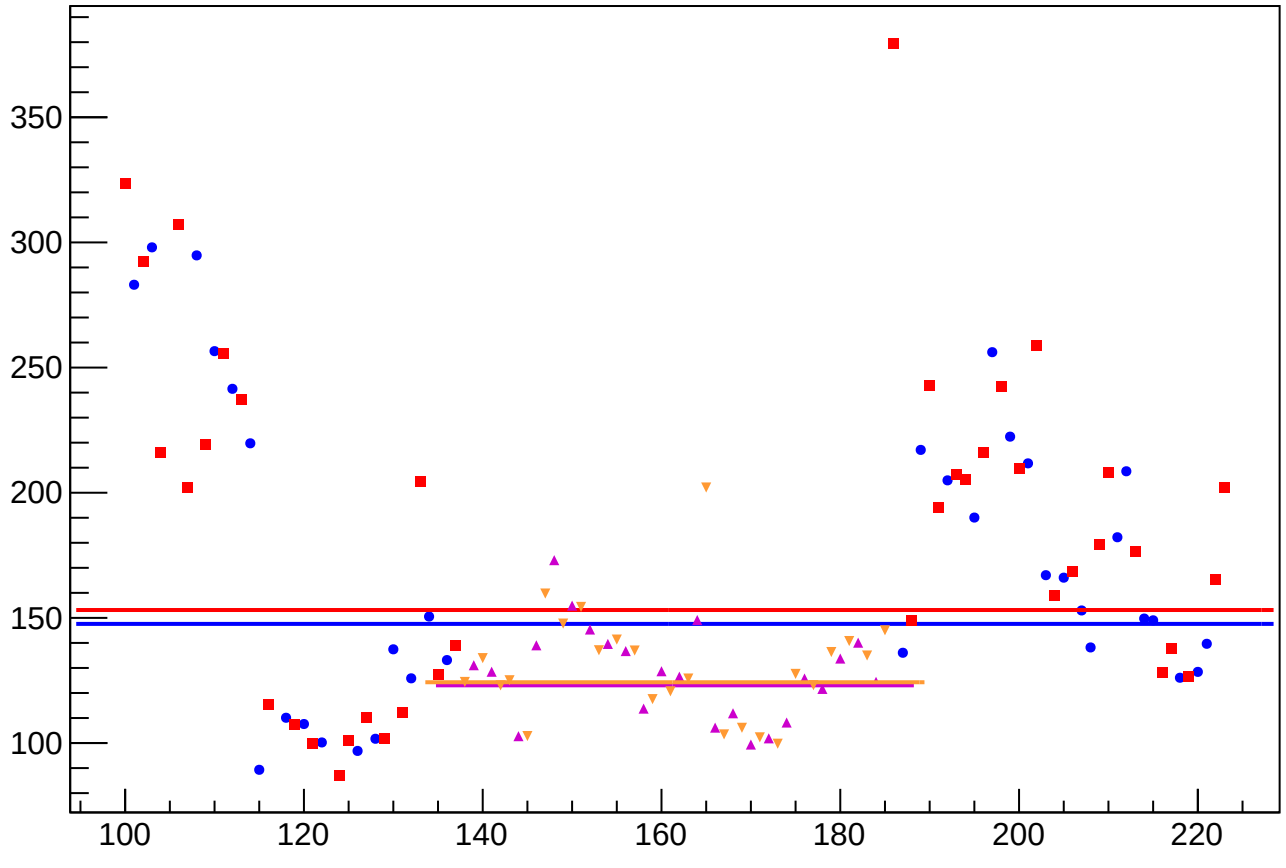
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.037+/-0.024 χ^2/NDF: 97.1/72

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.003+/-0.022 χ^2/NDF:93.0/63

All: 0.007+/-0.016 χ^2/NDF: 152.1/120



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

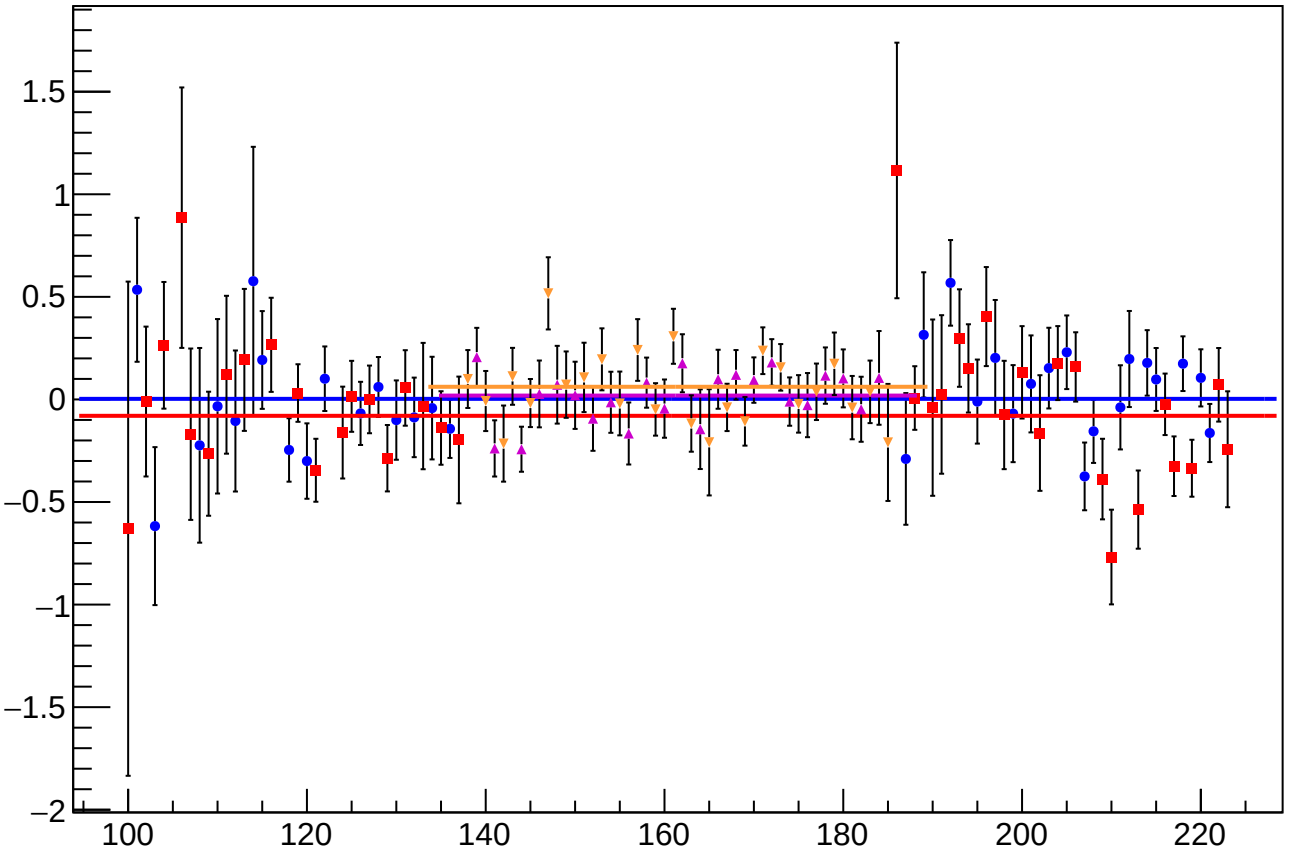
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 150.303+/-0.017 χ^2/NDF: 7534292.8/72

In: 133.809+/-0.016 χ^2/NDF:4738808.7/56

Out: 136.250+/-0.016 χ^2/NDF:5780283.6/63

All: 135.032+/-0.011 χ^2/NDF: 10531439.9/12



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

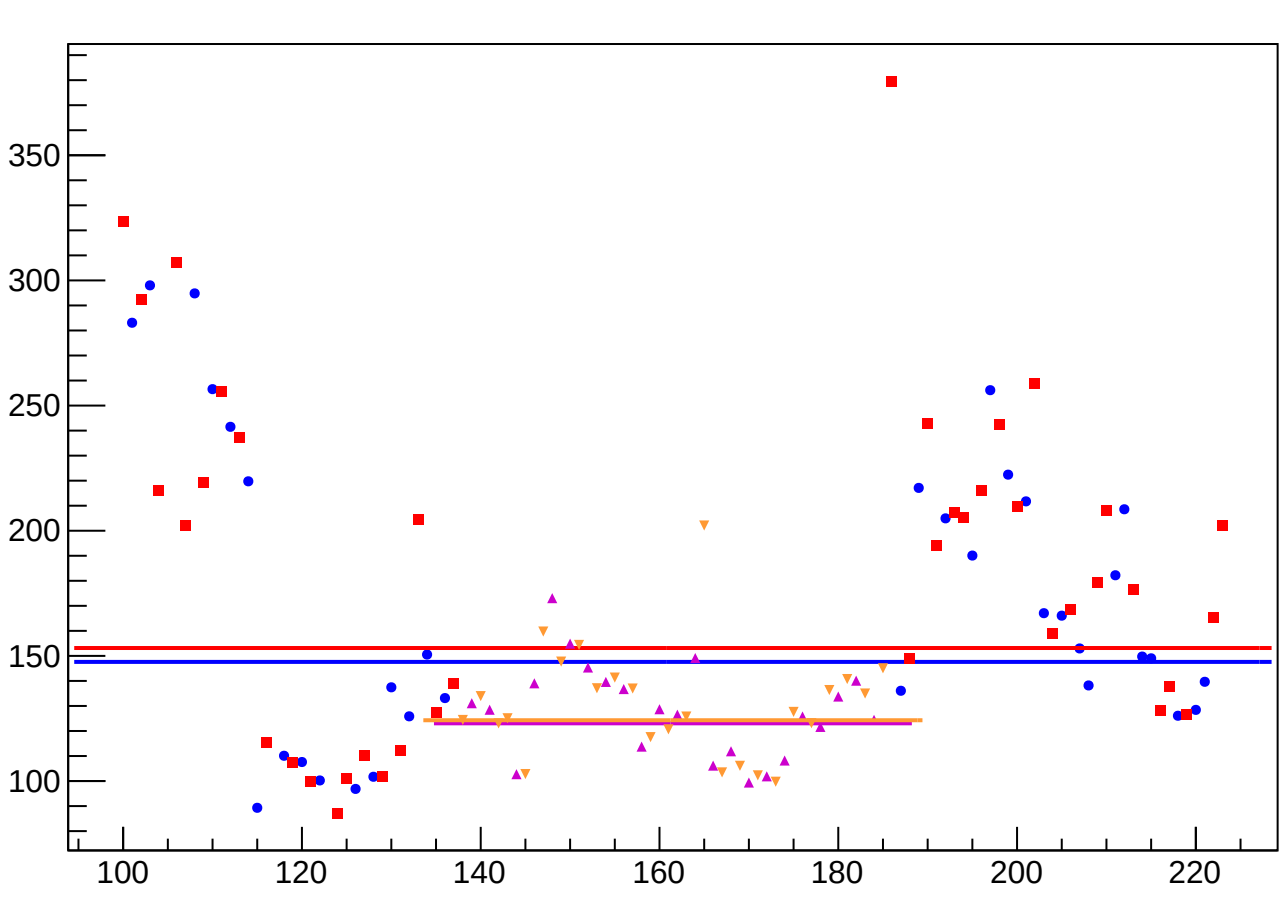
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.037+/-0.024 χ^2/NDF: 97.1/72

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.003+/-0.022 χ^2/NDF:93.0/63

All: 0.007+/-0.016 χ^2/NDF: 152.1/120



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

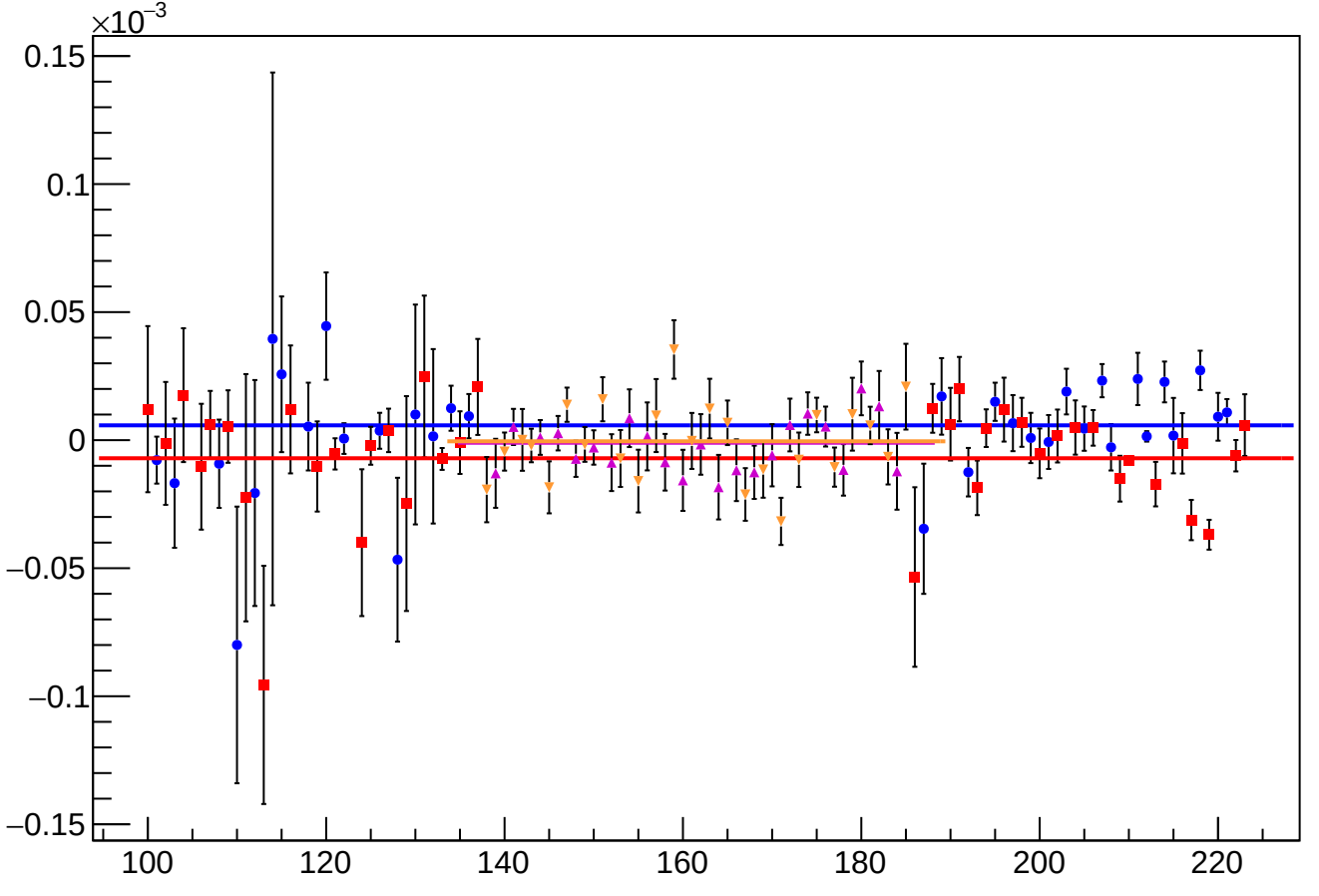
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 150.303+/-0.017 χ^2/NDF: 7534292.8/72

In: 133.809+/-0.016 χ^2/NDF:4738808.7/56

Out: 136.250+/-0.016 χ^2/NDF:5780283.6/63

All: 135.032+/-0.011 χ^2/NDF: 10531439.9/12



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

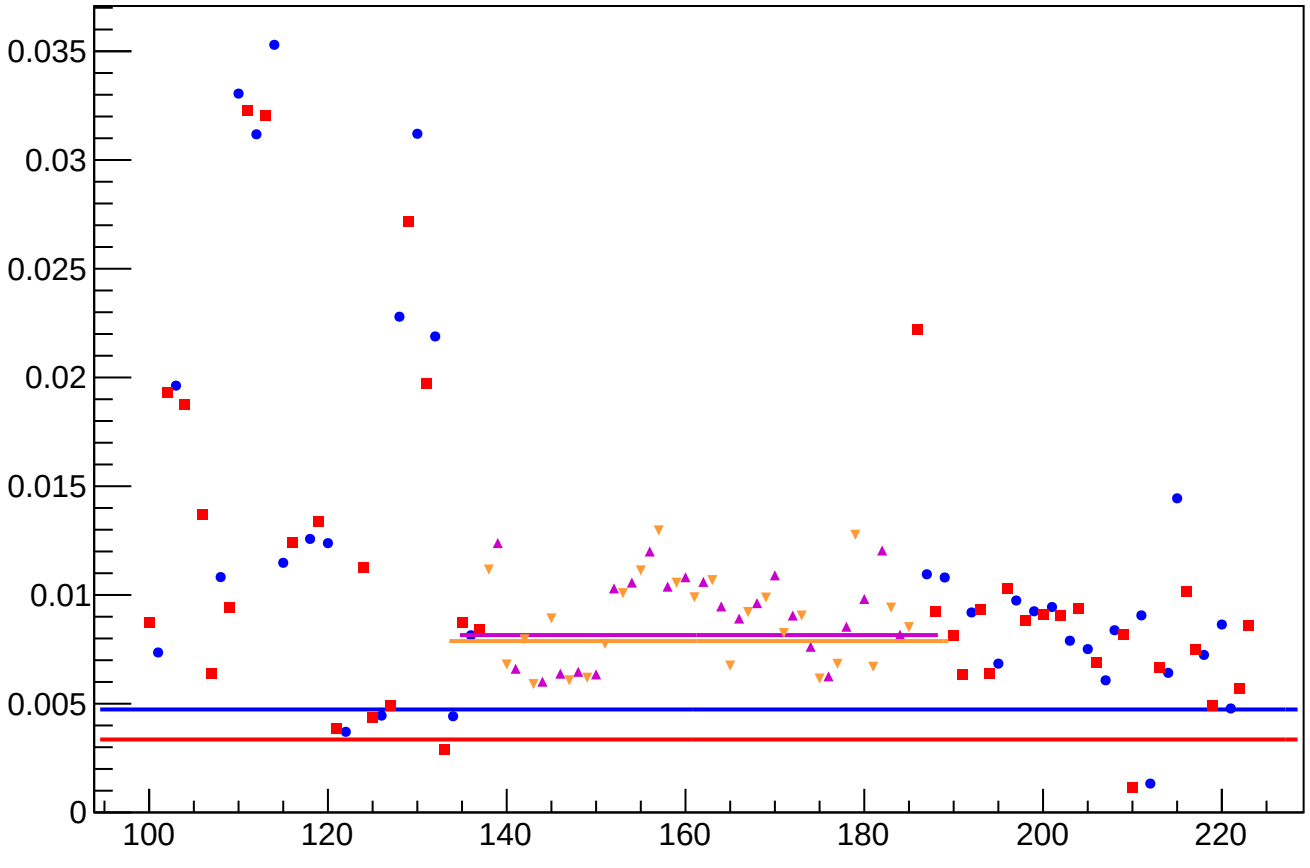
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 192.4/72

In: 0.000+/-0.000 χ^2/NDF:83.3/56

Out: -0.000+/-0.000 χ^2/NDF:141.0/63

All: -0.000+/-0.000 χ^2/NDF: 265.8/120



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

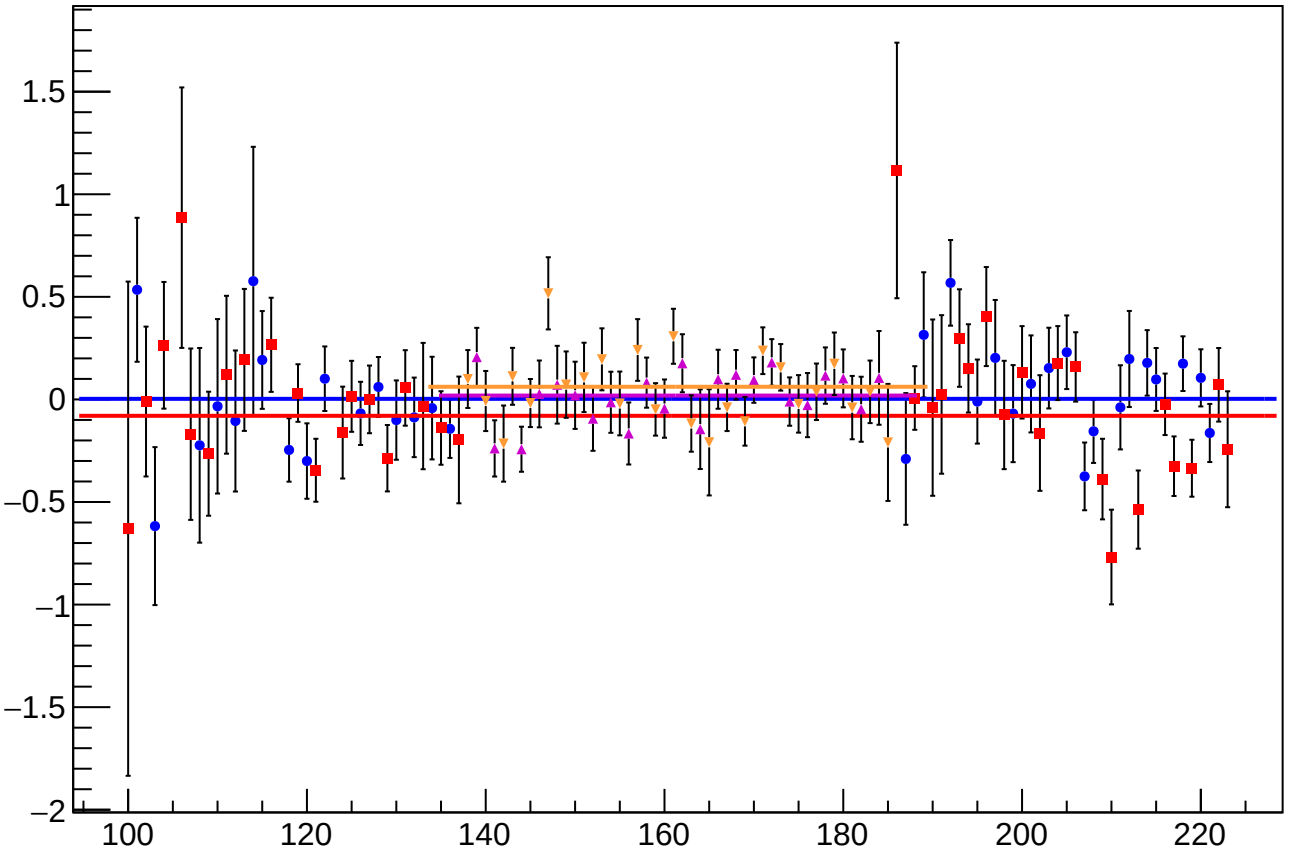
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.004+/-0.000 χ^2/NDF: 39240243.8/72

In: 0.006+/-0.000 χ^2/NDF:22343575.7/56

Out: 0.004+/-0.000 χ^2/NDF:32866379.2/63

All: 0.005+/-0.000 χ^2/NDF: 57089521.1/120



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

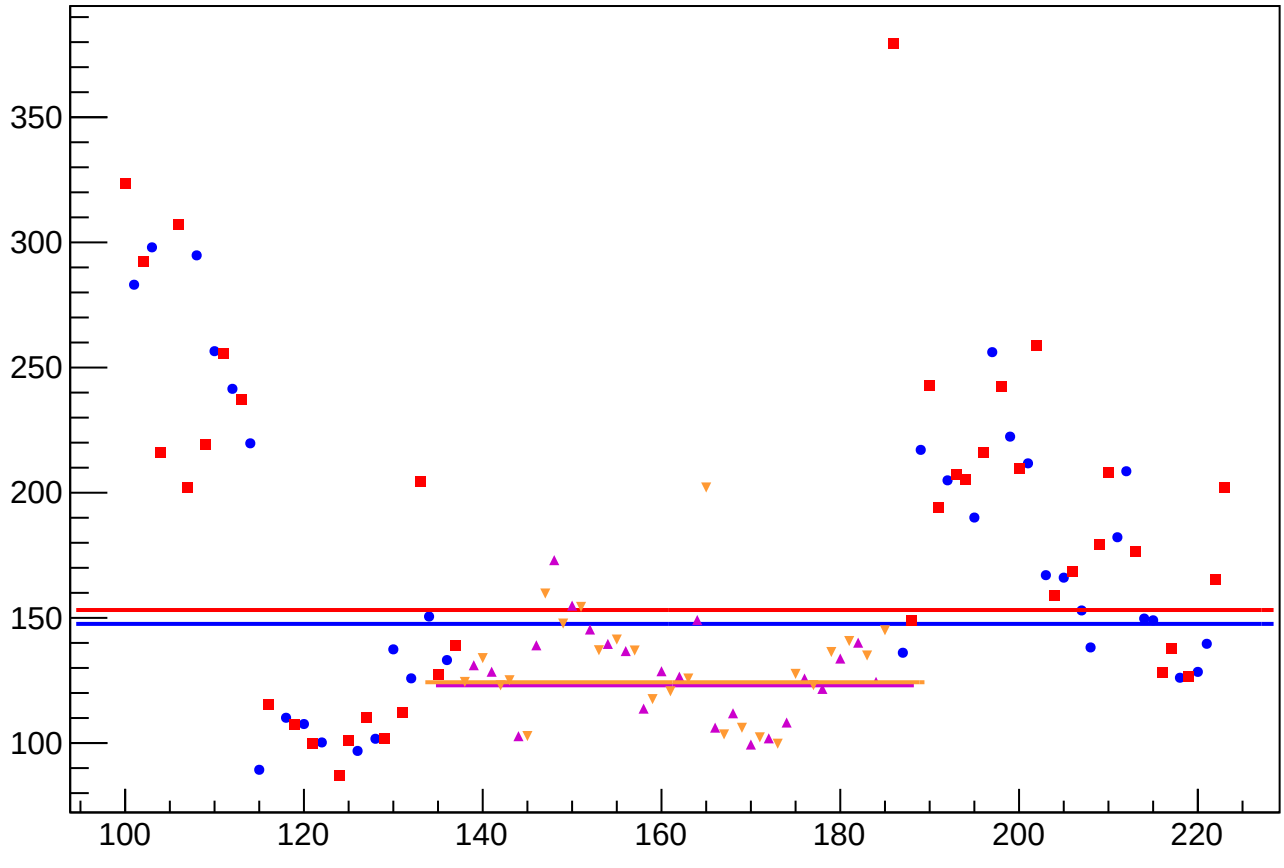
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.037+/-0.024 χ^2/NDF: 97.1/72

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.003+/-0.022 χ^2/NDF:93.0/63

All: 0.007+/-0.016 χ^2/NDF: 152.1/120



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

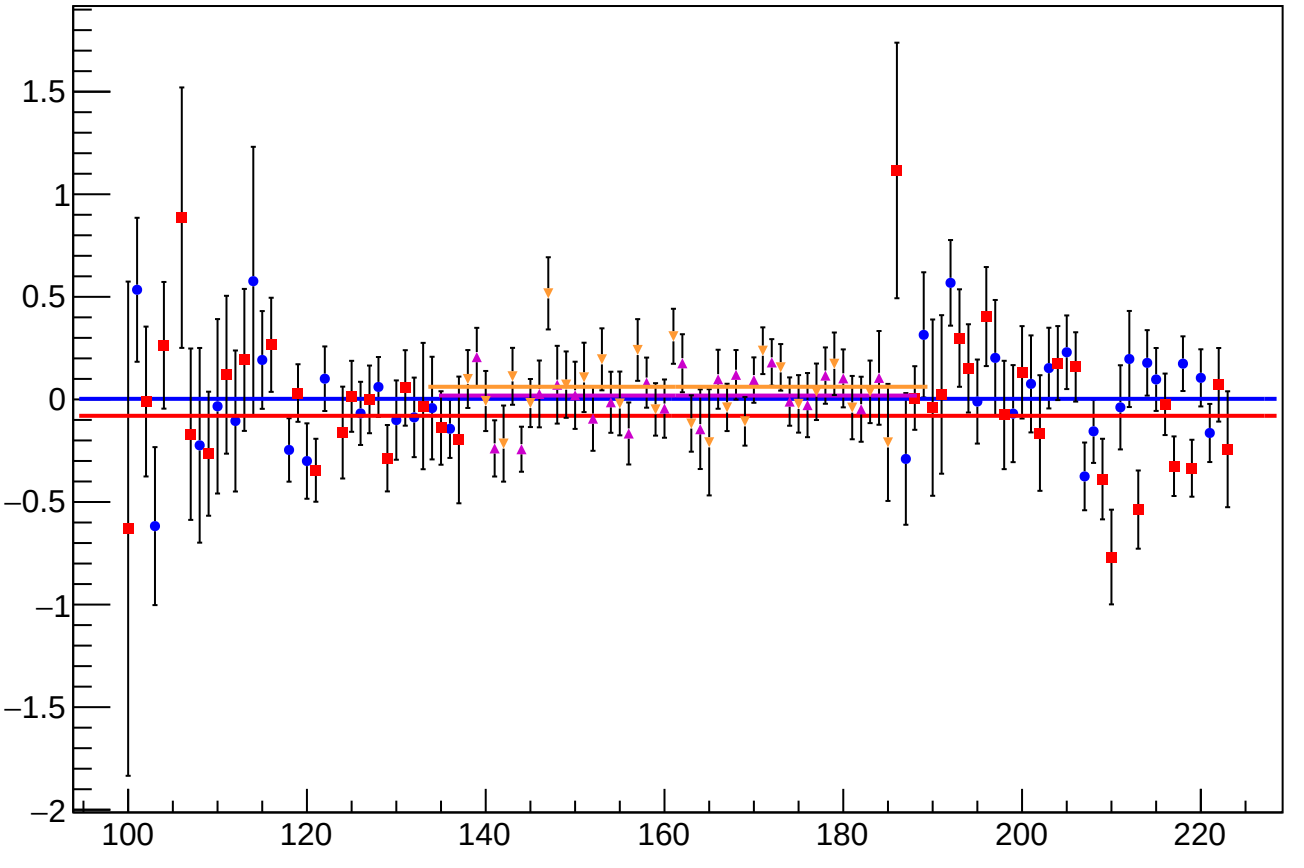
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 150.301+/-0.017 χ^2/NDF: 7534518.0/72

In: 133.809+/-0.016 χ^2/NDF:4738830.6/56

Out: 136.250+/-0.016 χ^2/NDF:5780378.4/63

All: 135.031+/-0.011 χ^2/NDF: 10531558.6/12



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

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

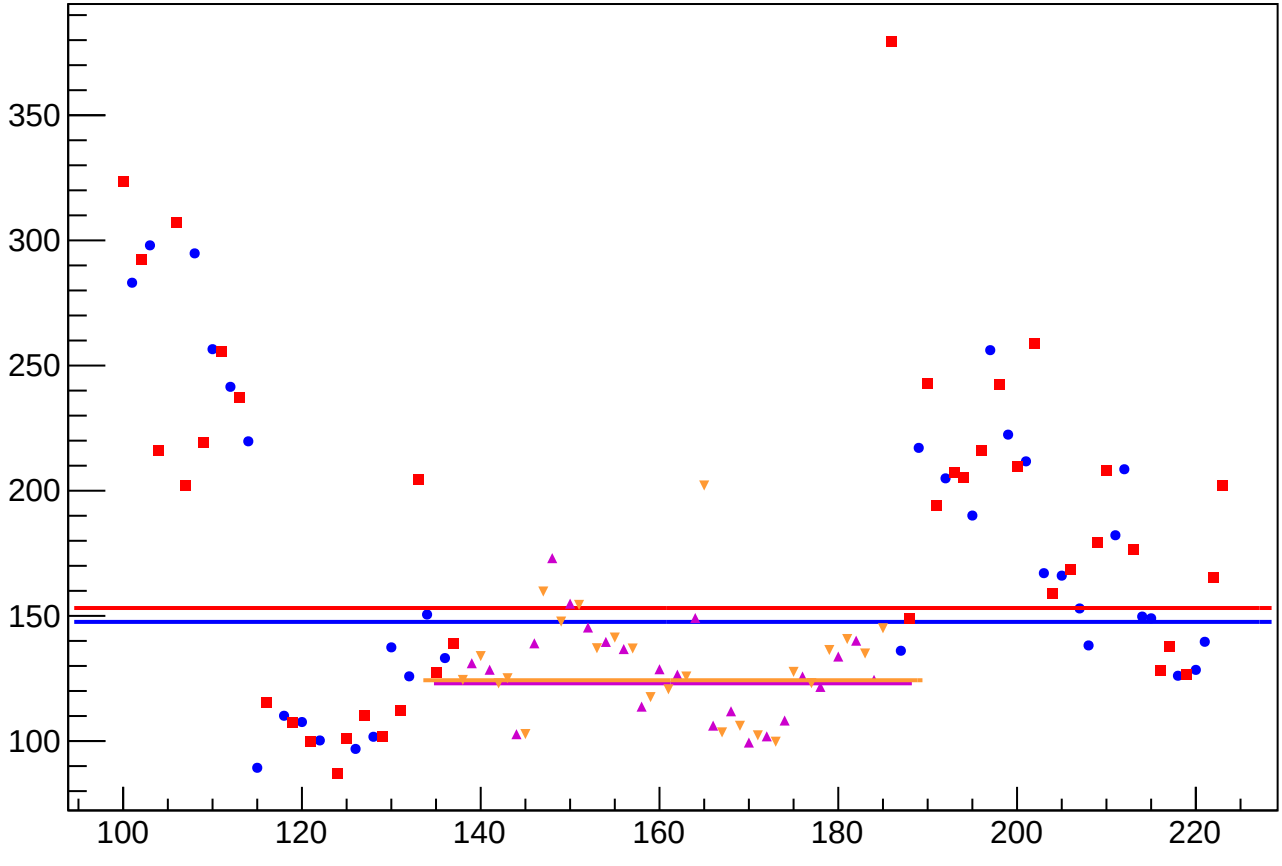
Right: -0.037+/-0.024 χ^2/NDF: 97.1/72

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.003+/-0.022 χ^2/NDF:93.0/63

All: 0.007+/-0.016 χ^2/NDF: 152.1/120

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

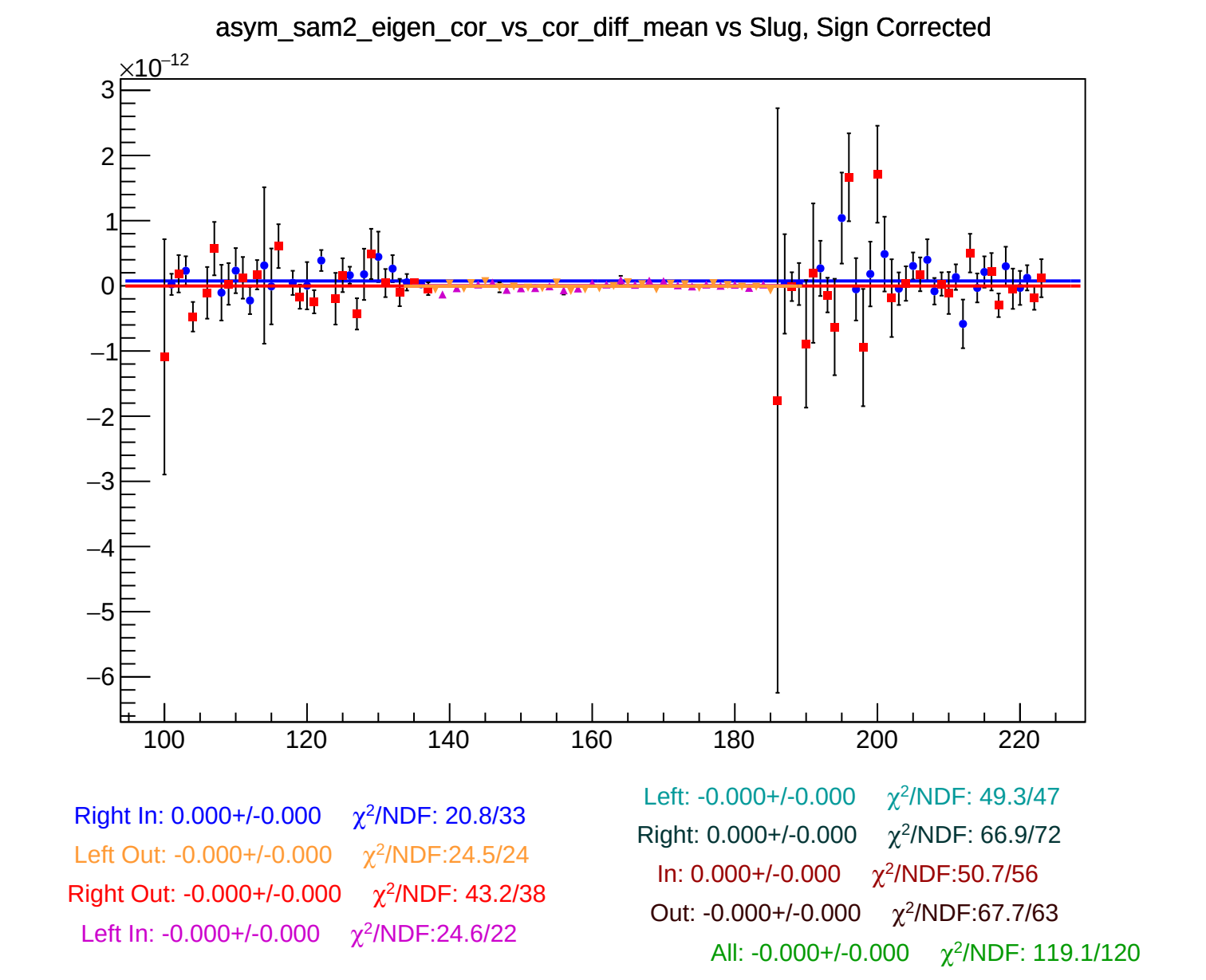
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

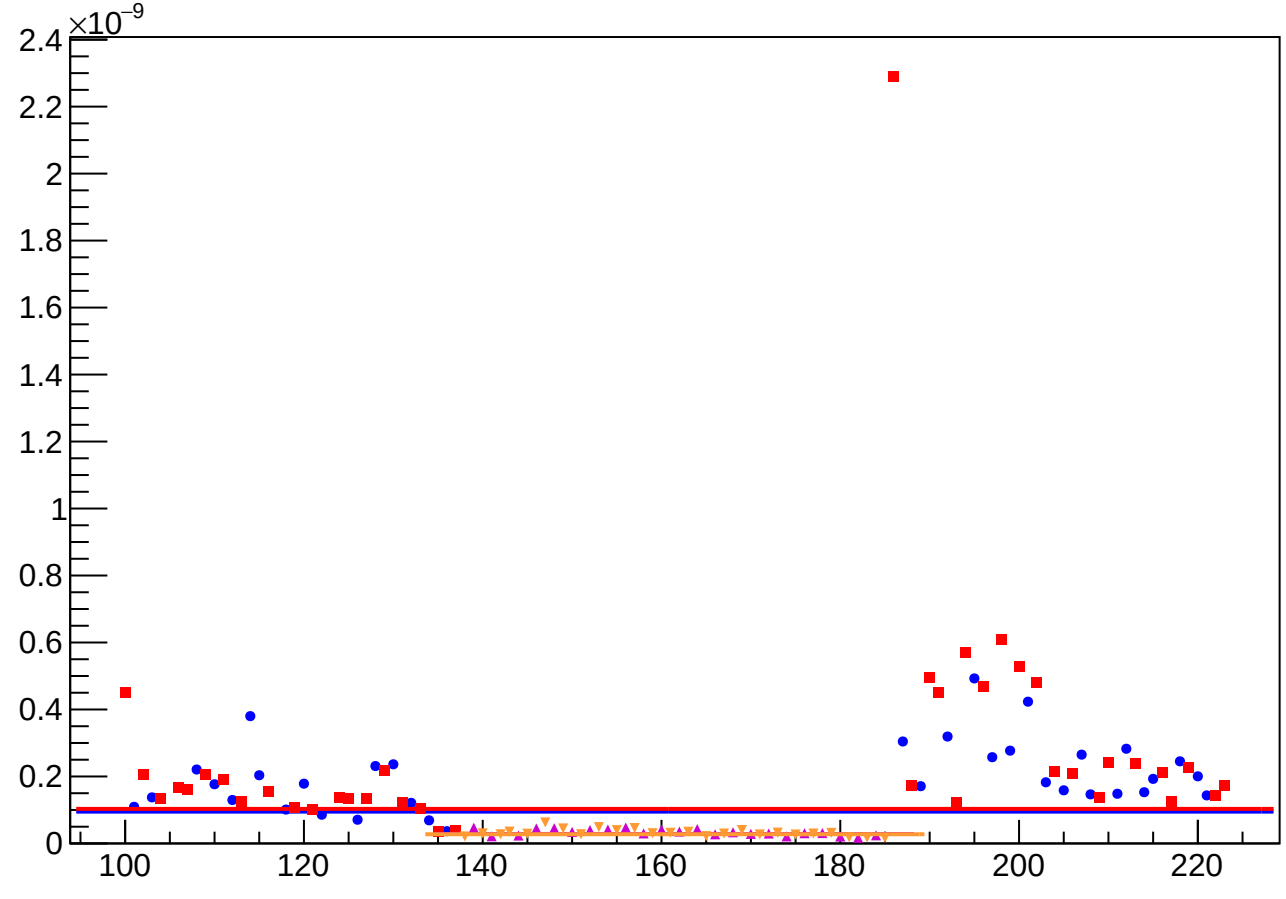
Right: 150.301+/-0.017 χ^2/NDF: 7534518.0/72

In: 133.809+/-0.016 χ^2/NDF:4738830.6/56

Out: 136.250+/-0.016 χ^2/NDF:5780378.4/63

All: 135.031+/-0.011 χ^2/NDF: 10531558.6/12


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 20.8/33
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 43.2/38
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 66.9/72
In: 0.000+/-0.000 χ²/NDF:50.7/56
Out: -0.000+/-0.000 χ²/NDF:67.7/63
All: -0.000+/-0.000 χ²/NDF: 119.1/120



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

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

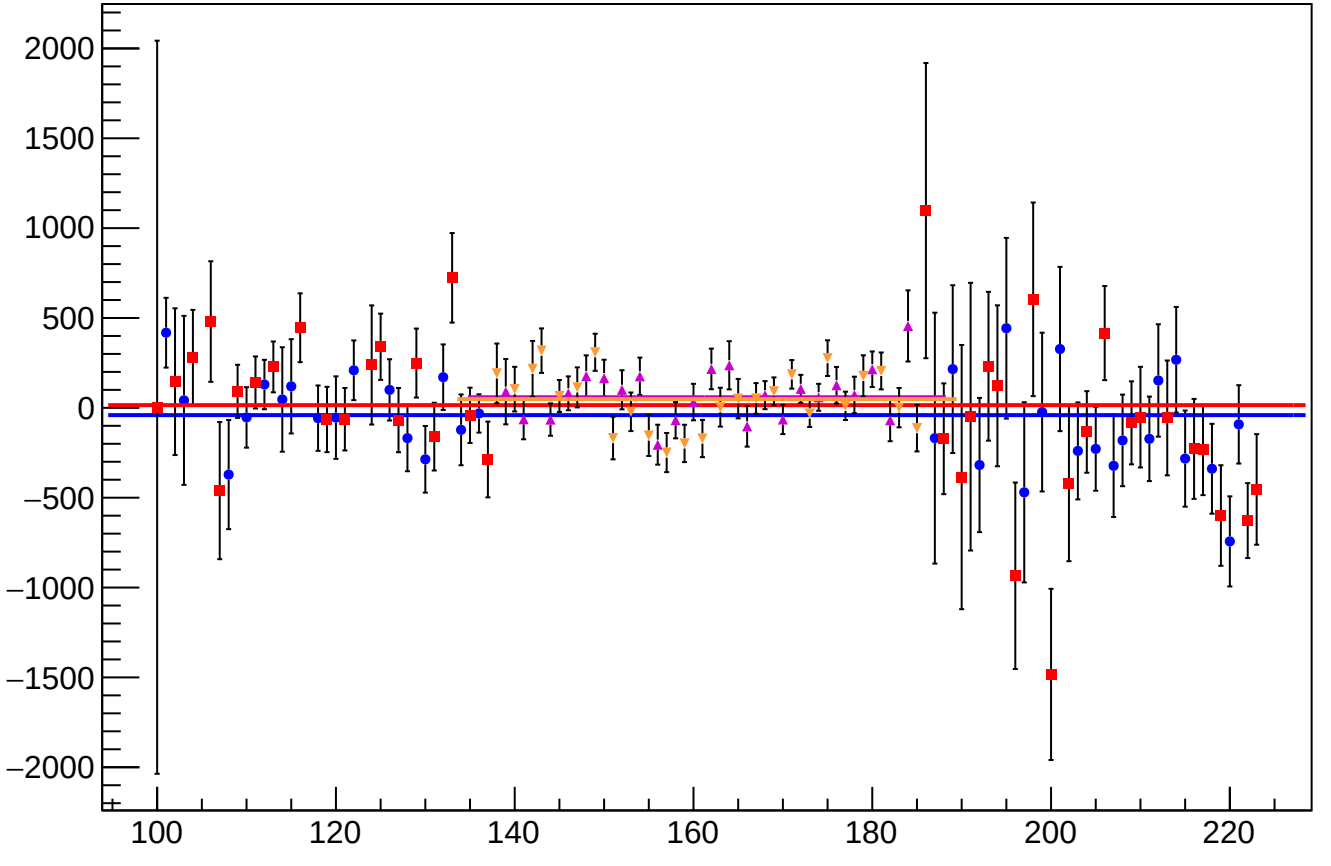
Right: 0.000+/-0.000 χ^2/NDF: 22156078.6/72

In: 0.000+/-0.000 χ^2/NDF:20728826.4/56

Out: 0.000+/-0.000 χ^2/NDF:23684808.2/63

All: 0.000+/-0.000 χ^2/NDF: 44434007.3/120

reg_asym_sam3_mean vs Slug, Sign Corrected



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

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

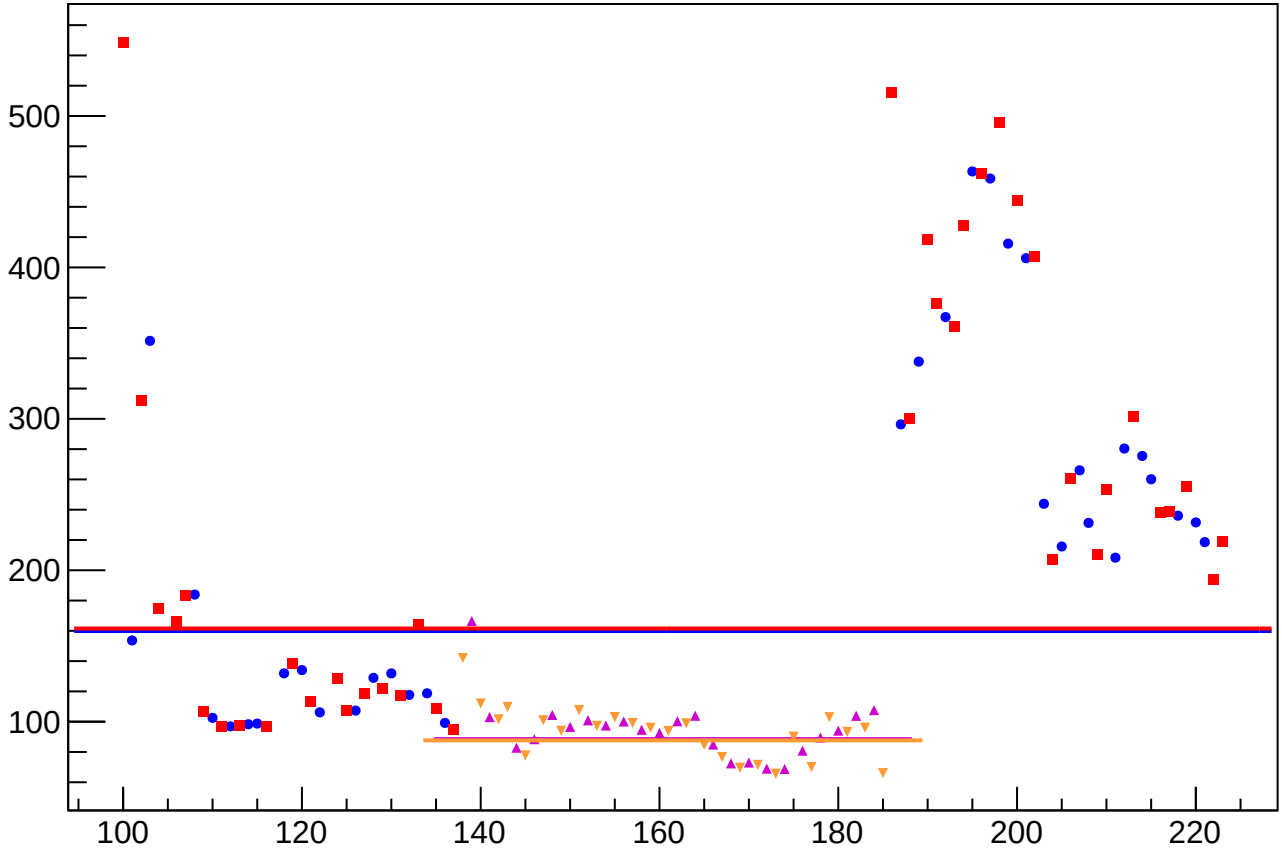
Right: -12.900+/-27.247 χ^2/NDF: 103.5/72

In: 35.860+/-18.533 χ^2/NDF:68.9/56

Out: 41.108+/-18.055 χ^2/NDF:123.5/63

All: 38.552+/-12.933 χ^2/NDF: 192.4/120

reg_asym_sam3_rms vs Slug, Sign Corrected



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

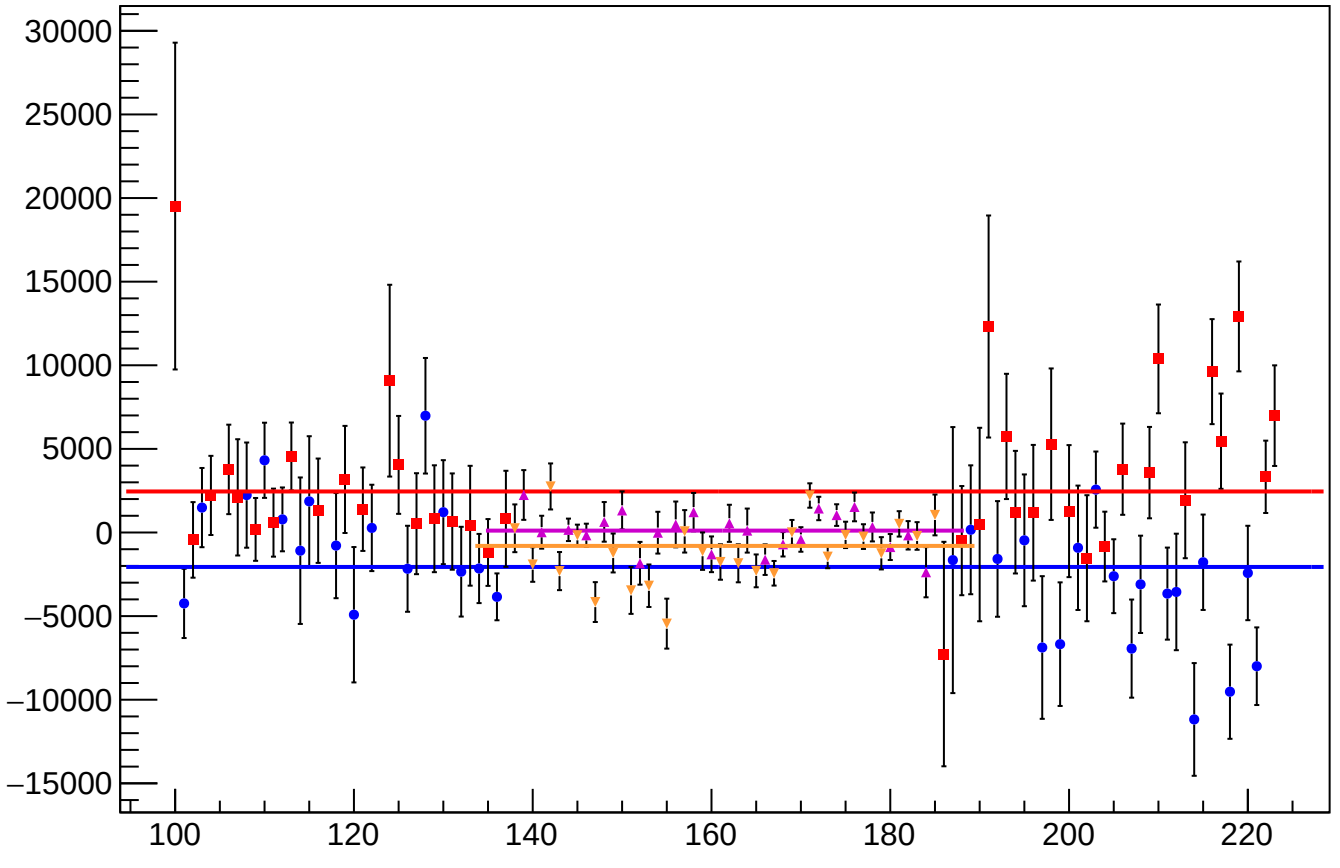
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 160.702+/-0.019 χ^2/NDF: 18169375.1/72

In: 105.084+/-0.013 χ^2/NDF:14868957.4/56

Out: 103.793+/-0.013 χ^2/NDF:16600667.8/63

All: 104.422+/-0.009 χ^2/NDF: 31474608.1/12



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

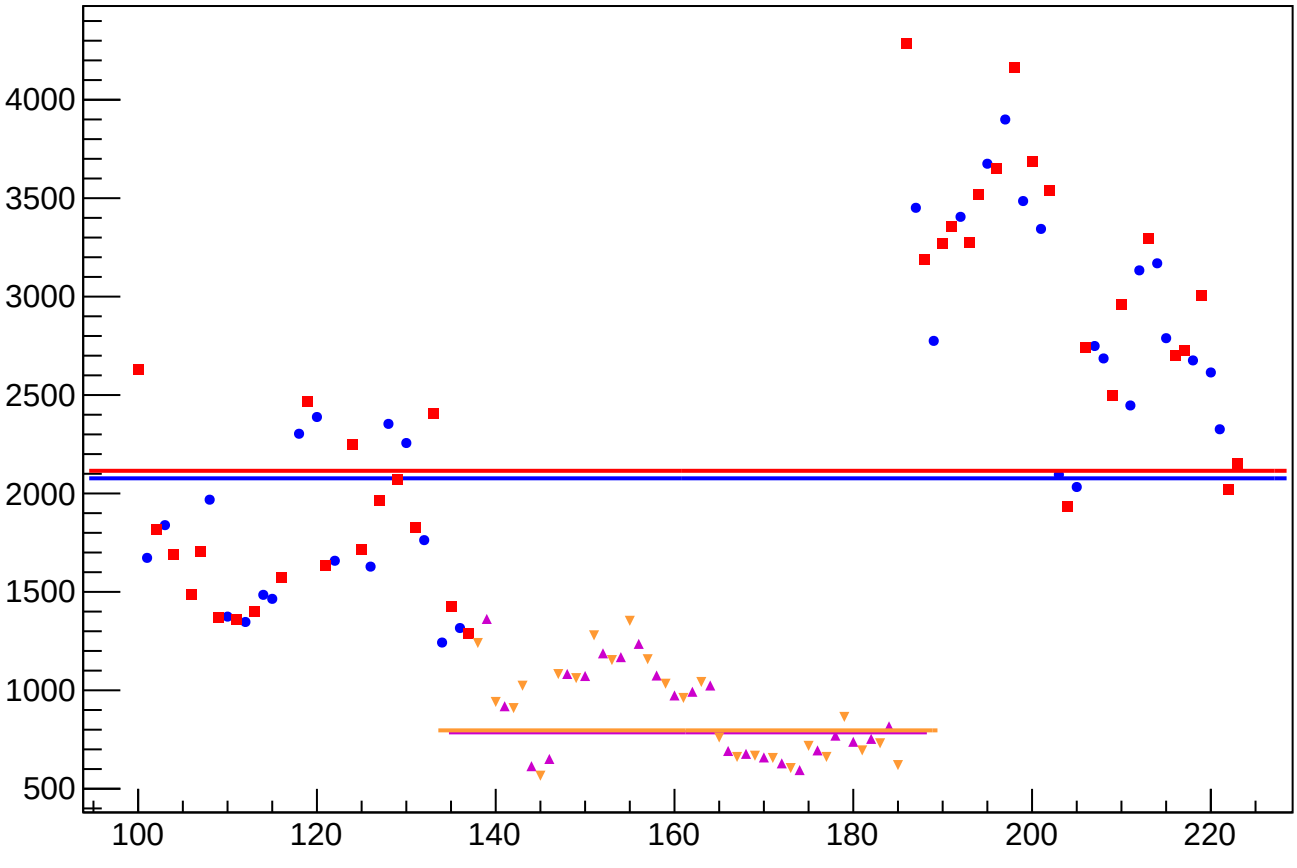
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 190.476+/-331.537 χ^2/NDF: 156.9/72

In: -195.459+/-176.271 χ^2/NDF:105.1/56

Out: -352.723+/-174.333 χ^2/NDF:164.3/63

All: -274.961+/-123.951 χ^2/NDF: 269.8/120



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

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

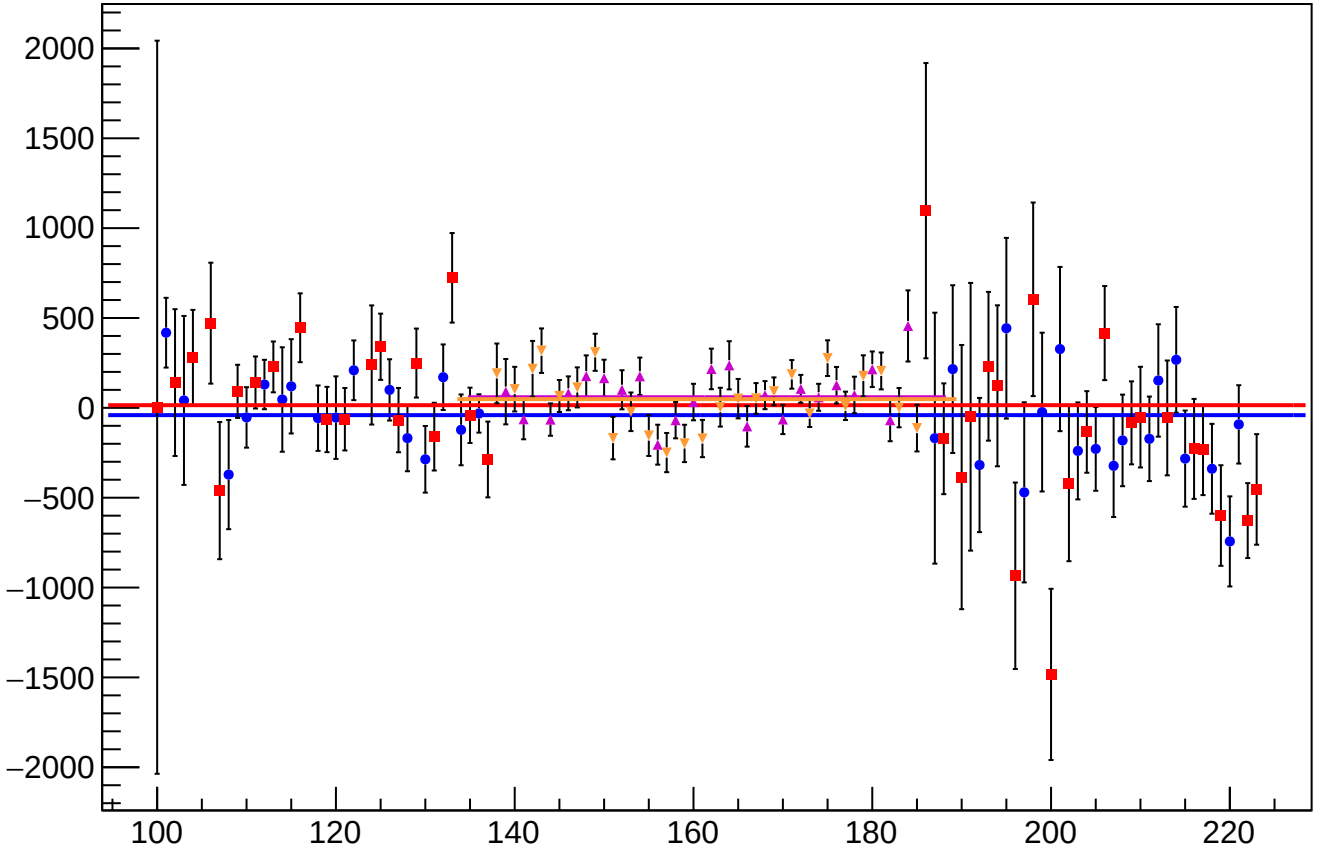
Right: 2095.966+/-0.234 χ^2/NDF: 9269864.6/72

In: 969.250+/-0.125 χ^2/NDF:19538958.4/56

Out: 978.317+/-0.123 χ^2/NDF:20940032.8/63

All: 973.833+/-0.088 χ^2/NDF: 40481666.6/12

cor_asym_sam3_mean vs Slug, Sign Corrected



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

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

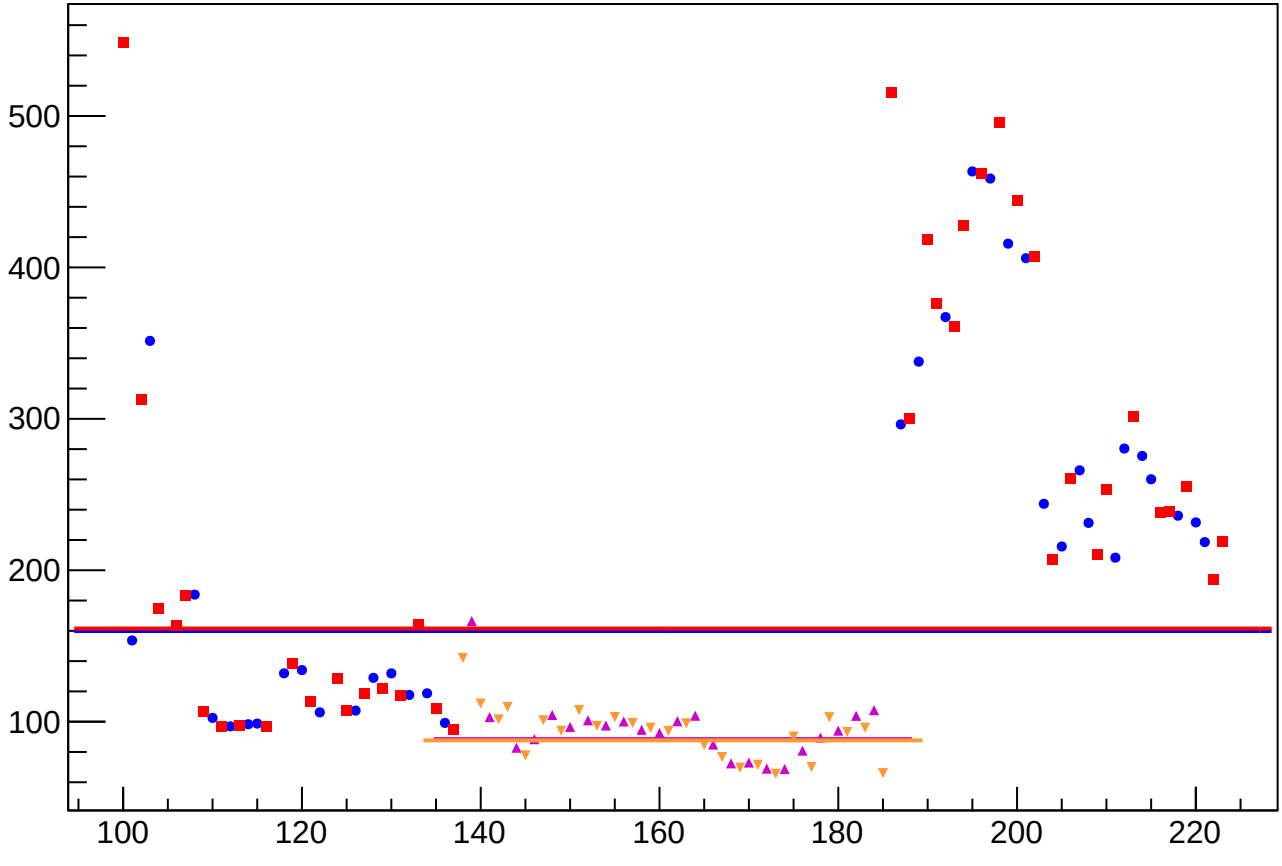
Right: -13.010+/-27.247 χ^2/NDF: 103.4/72

In: 35.859+/-18.533 χ^2/NDF:68.9/56

Out: 41.068+/-18.056 χ^2/NDF:123.4/63

All: 38.532+/-12.933 χ^2/NDF: 192.3/120

cor_asym_sam3_rms vs Slug, Sign Corrected



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

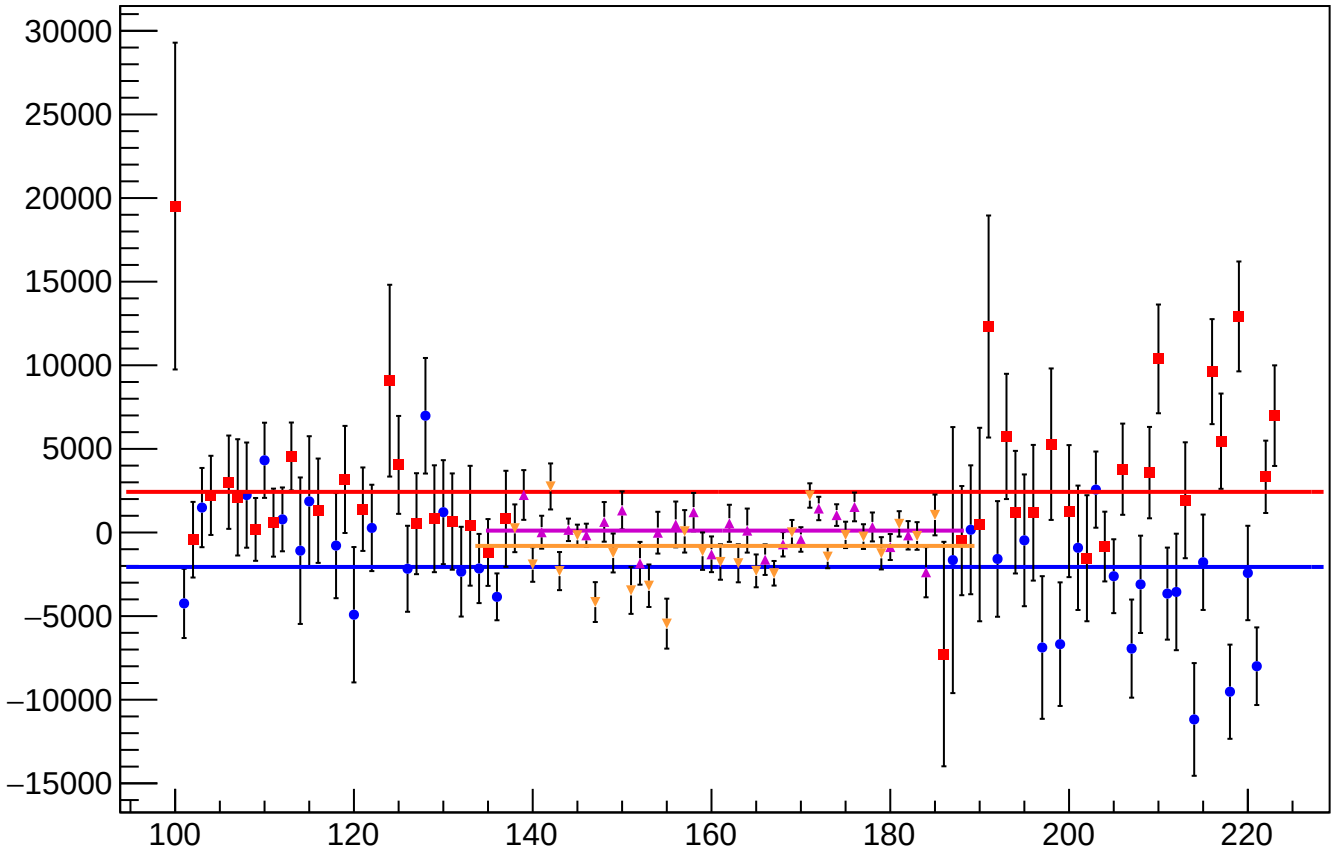
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

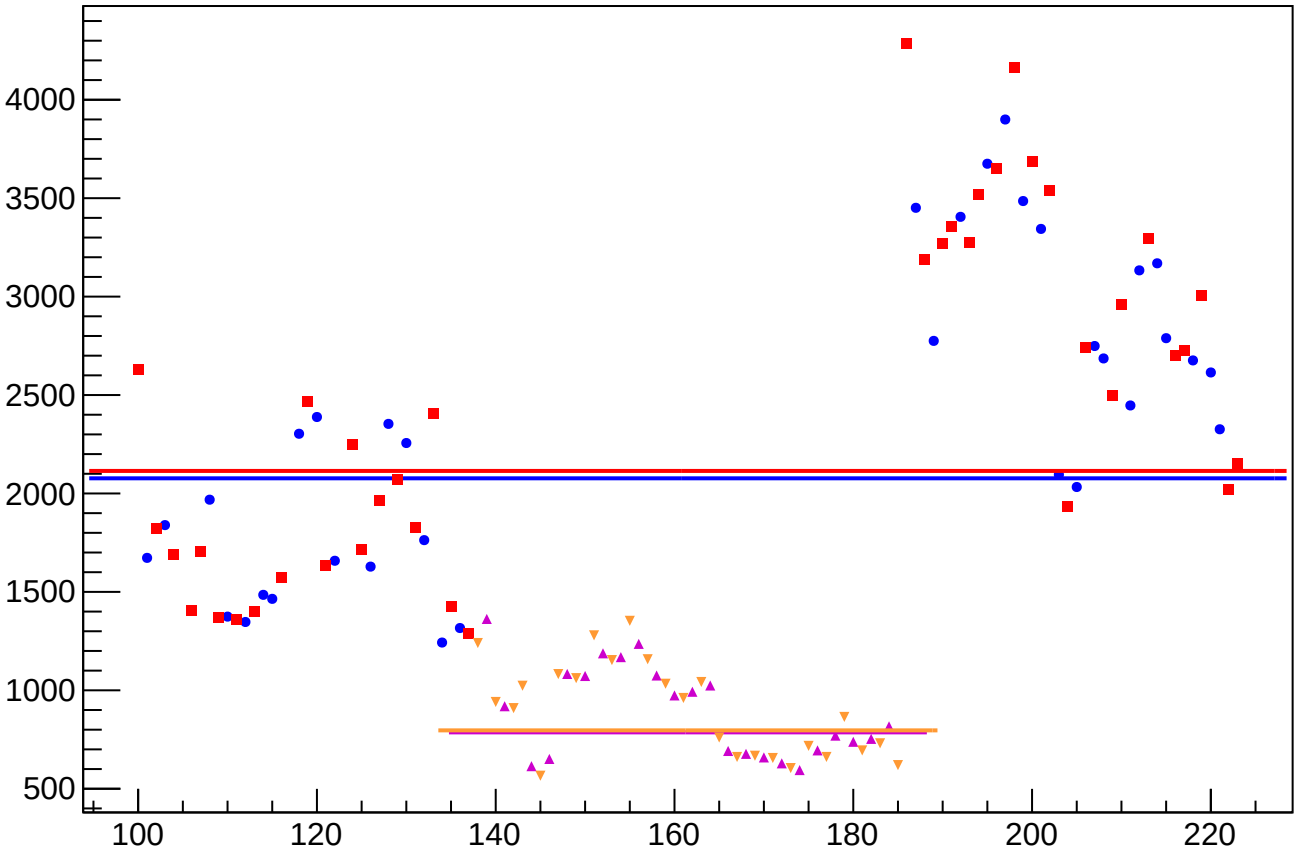
Right: 160.685+/-0.019 χ^2/NDF: 18169164.8/72

In: 105.085+/-0.013 χ^2/NDF:14868959.2/56

Out: 103.785+/-0.013 χ^2/NDF:16595043.1/63

All: 104.418+/-0.009 χ^2/NDF: 31469049.6/12


asym_sam3_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -2060.272+/-468.223 χ²/NDF: 59.6/33
Left Out: -801.499+/-187.755 χ²/NDF:71.9/24
Right Out: 2429.488+/-470.113 χ²/NDF: 50.7/38
Left In: 112.485+/-190.269 χ²/NDF:27.1/22
Left: -350.586+/-133.643 χ²/NDF: 110.6/47
Right: 175.566+/-331.750 χ²/NDF: 156.1/72
In: -195.456+/-176.271 χ²/NDF:105.1/56
Out: -357.031+/-174.363 χ²/NDF:163.4/63
All: -277.123+/-123.963 χ²/NDF: 268.9/120



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

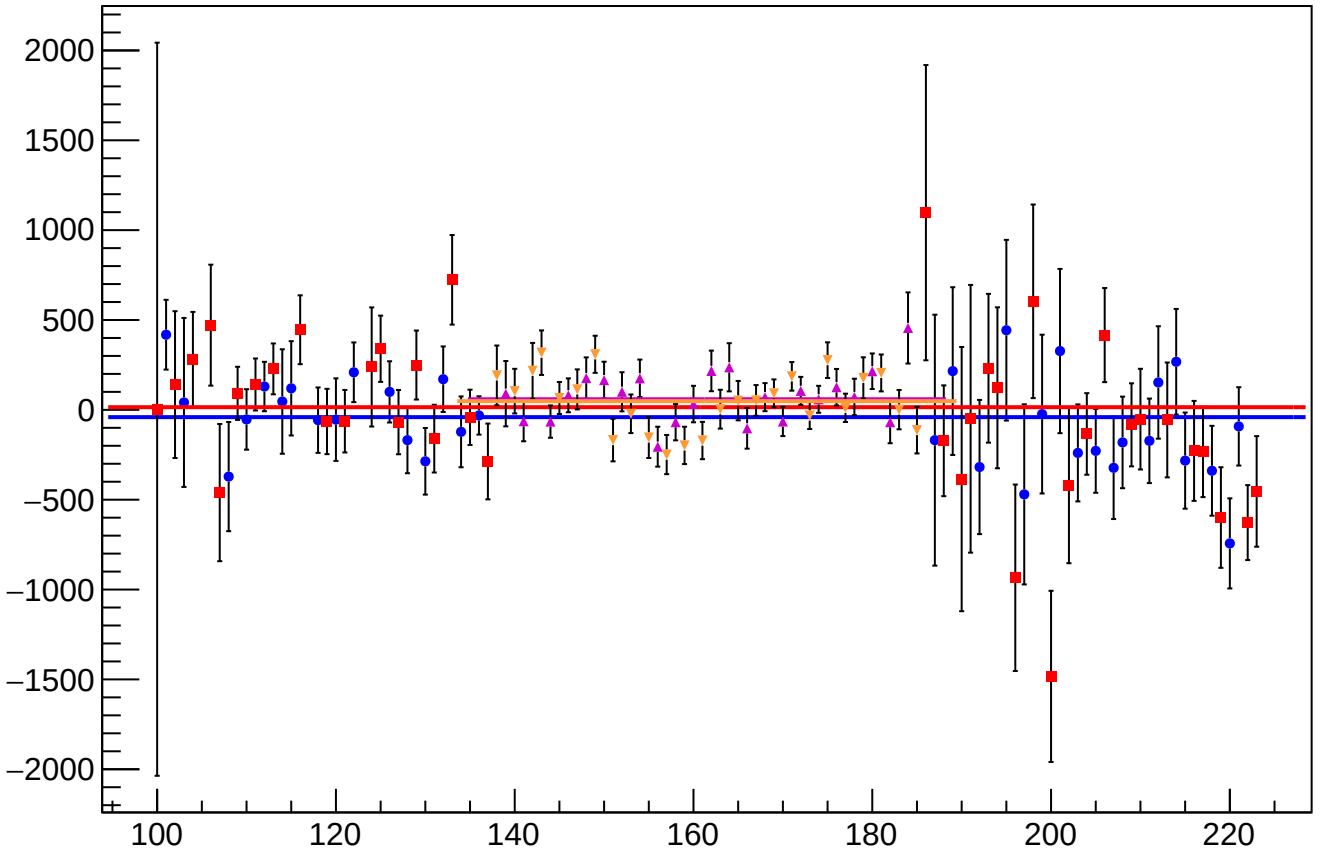
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2095.625+/-0.235 χ^2/NDF: 9288110.5/72

In: 969.250+/-0.125 χ^2/NDF:19539017.2/56

Out: 977.826+/-0.123 χ^2/NDF:20915151.6/63

All: 973.584+/-0.088 χ^2/NDF: 40456561.6/12



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

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

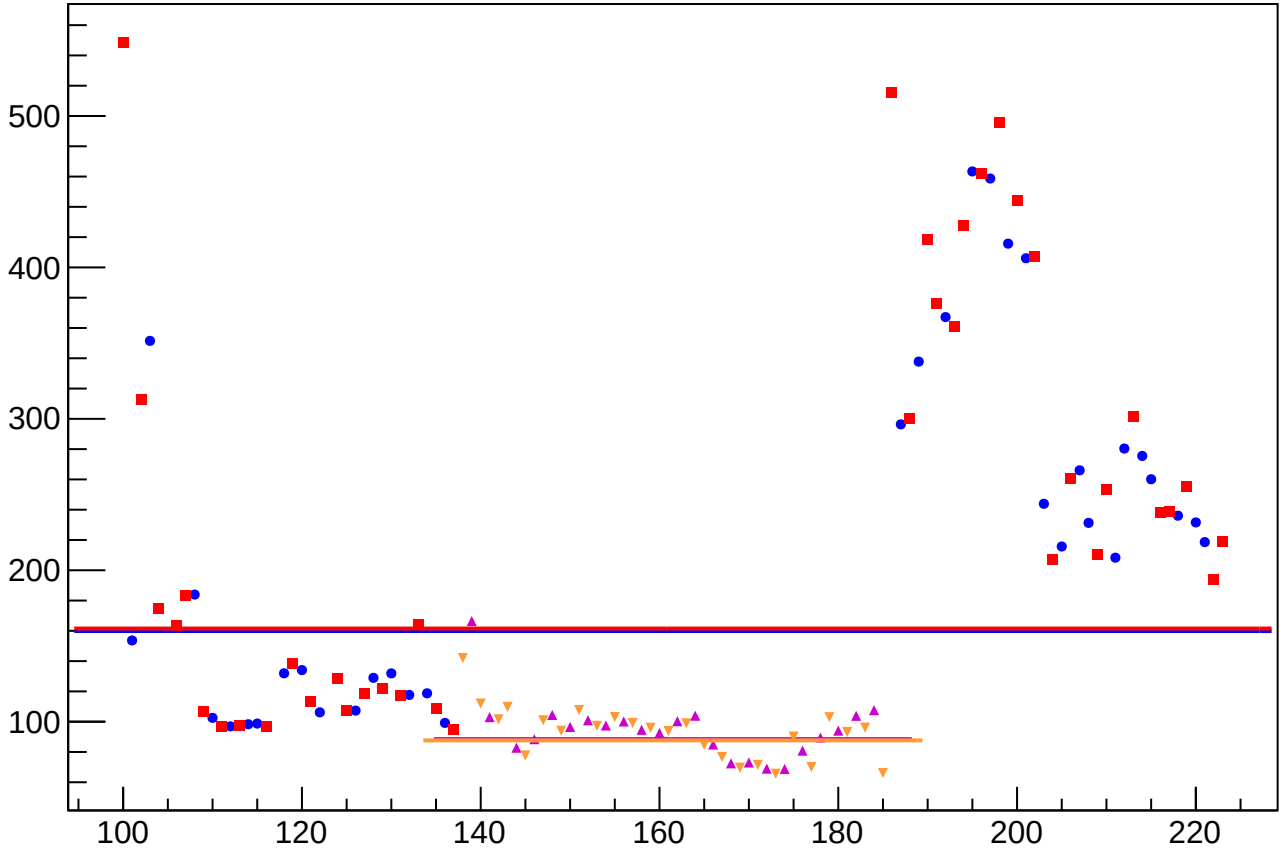
Right: -13.010+/-27.247 χ^2/NDF: 103.4/72

In: 35.859+/-18.533 χ^2/NDF:68.9/56

Out: 41.068+/-18.056 χ^2/NDF:123.4/63

All: 38.532+/-12.933 χ^2/NDF: 192.3/120

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



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

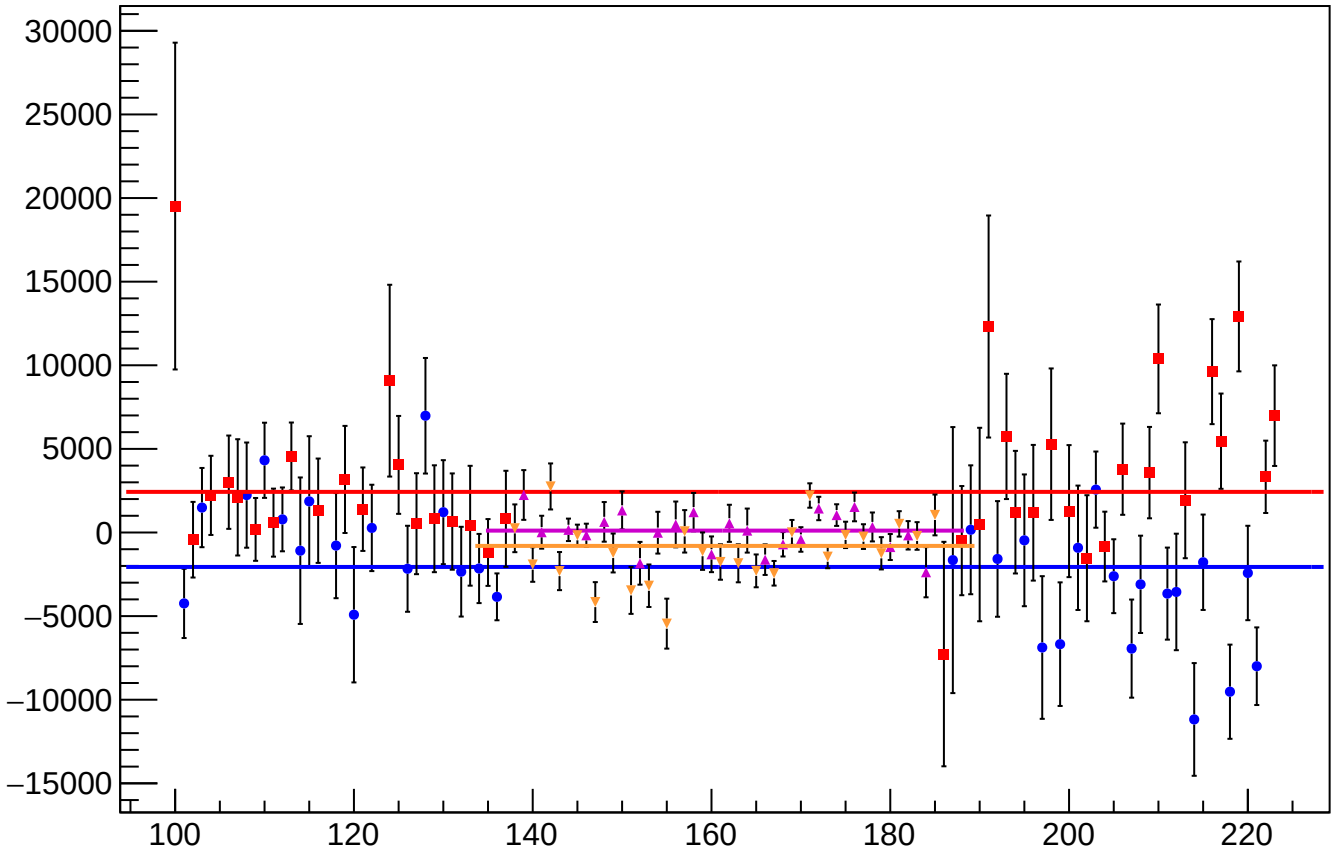
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 160.685+/-0.019 χ^2/NDF: 18169164.8/72

In: 105.085+/-0.013 χ^2/NDF:14868959.2/56

Out: 103.785+/-0.013 χ^2/NDF:16595043.1/63

All: 104.418+/-0.009 χ^2/NDF: 31469049.6/12



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

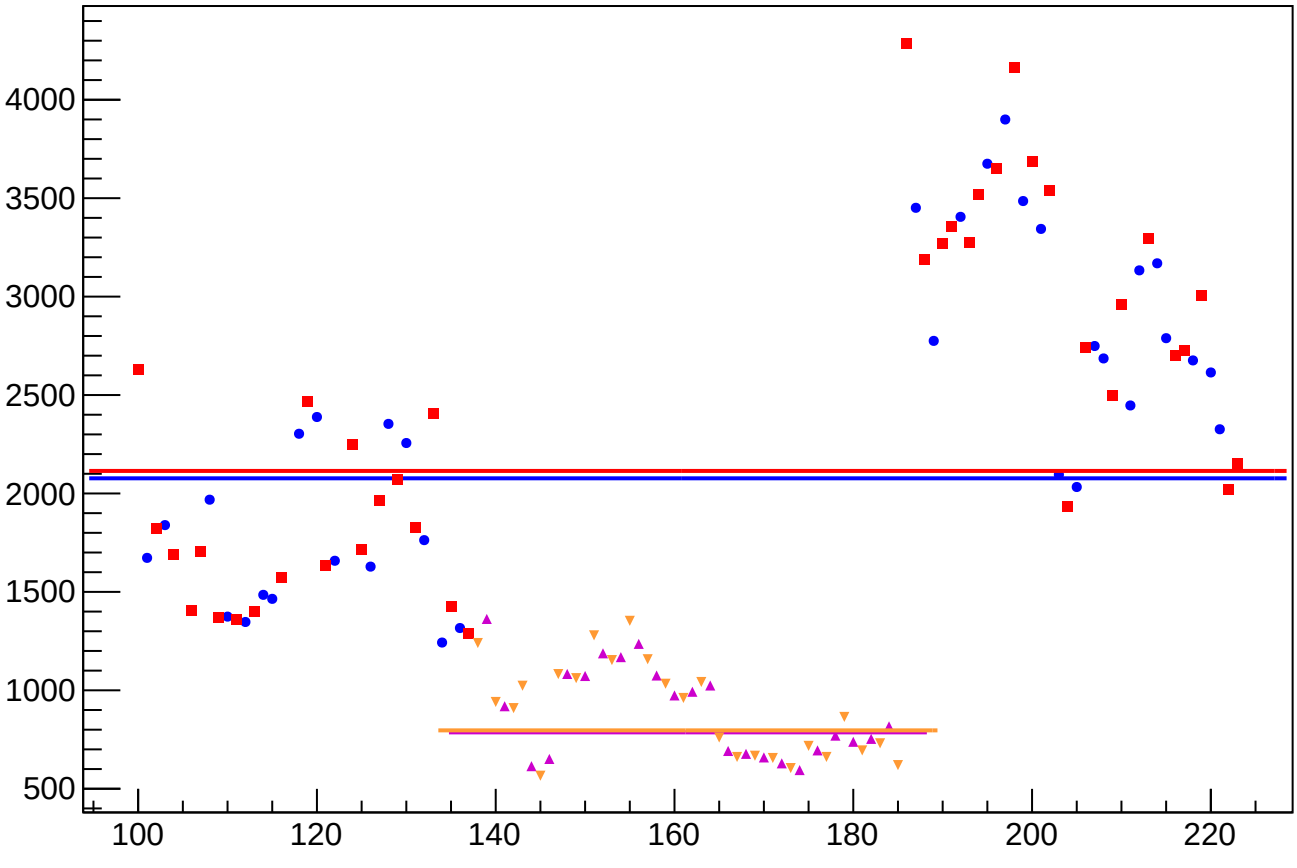
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 175.566+/-331.750 χ^2/NDF: 156.1/72

In: -195.456+/-176.271 χ^2/NDF:105.1/56

Out: -357.031+/-174.363 χ^2/NDF:163.4/63

All: -277.123+/-123.963 χ^2/NDF: 268.9/120



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

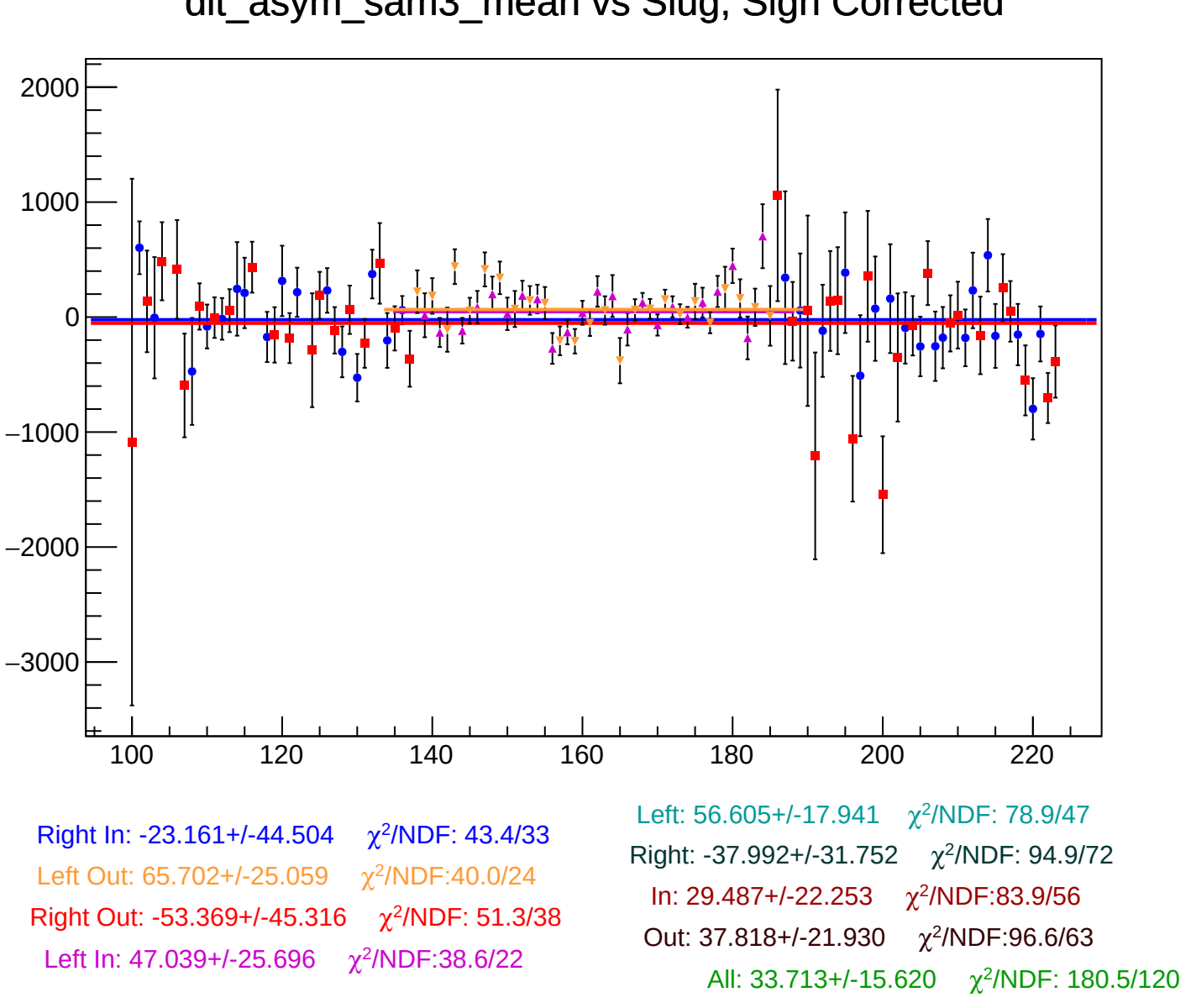
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2095.625+/-0.235 χ^2/NDF: 9288110.5/72

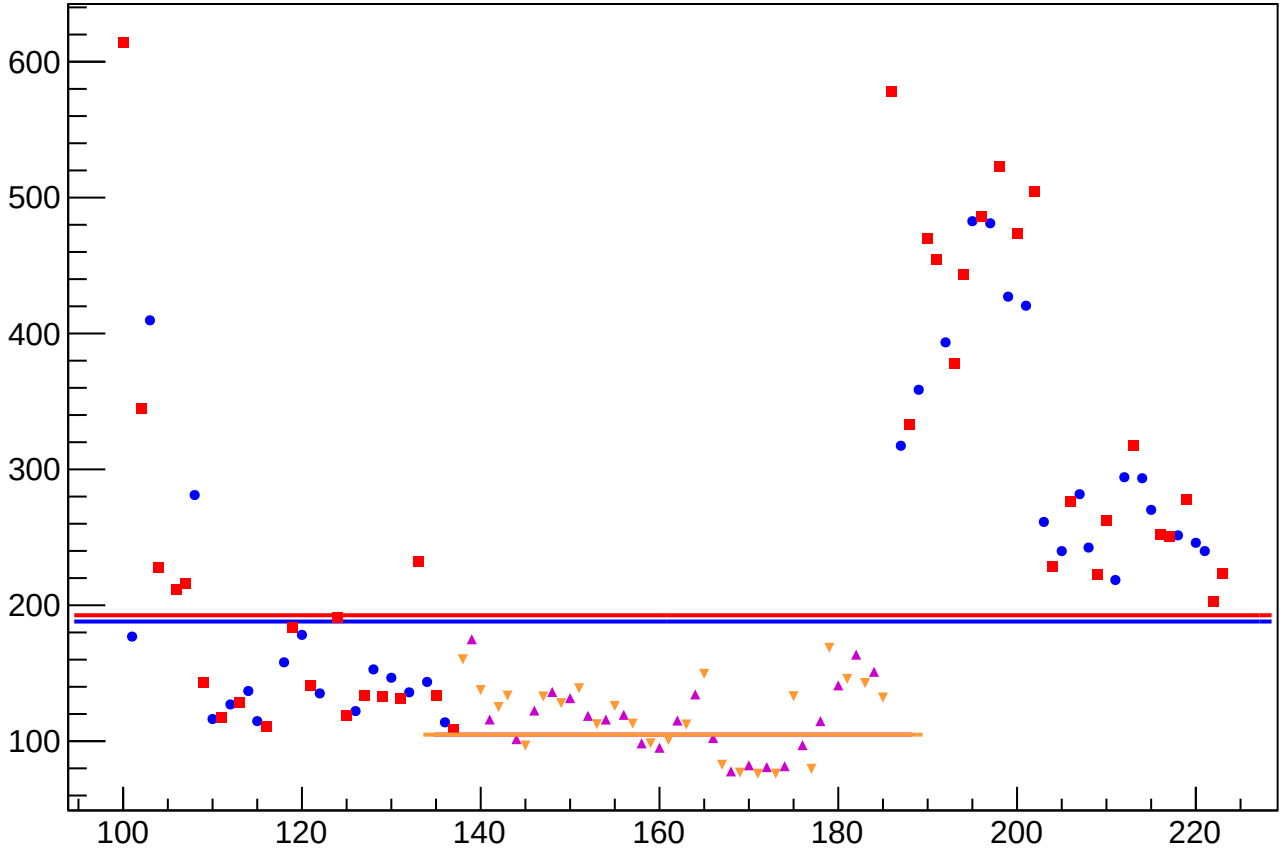
In: 969.250+/-0.125 χ^2/NDF:19539017.2/56

Out: 977.826+/-0.123 χ^2/NDF:20915151.6/63

All: 973.584+/-0.088 χ^2/NDF: 40456561.6/12


dit_asym_sam3_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
220
Right In: -23.161+/-44.504 χ²/NDF: 43.4/33
Left Out: 65.702+/-25.059 χ²/NDF:40.0/24
Right Out: -53.369+/-45.316 χ²/NDF: 51.3/38
Left In: 47.039+/-25.696 χ²/NDF:38.6/22
Left: 56.605+/-17.941 χ²/NDF: 78.9/47
Right: -37.992+/-31.752 χ²/NDF: 94.9/72
In: 29.487+/-22.253 χ²/NDF:83.9/56
Out: 37.818+/-21.930 χ²/NDF:96.6/63
All: 33.713+/-15.620 χ²/NDF: 180.5/120

dit_asym_sam3_rms vs Slug, Sign Corrected



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

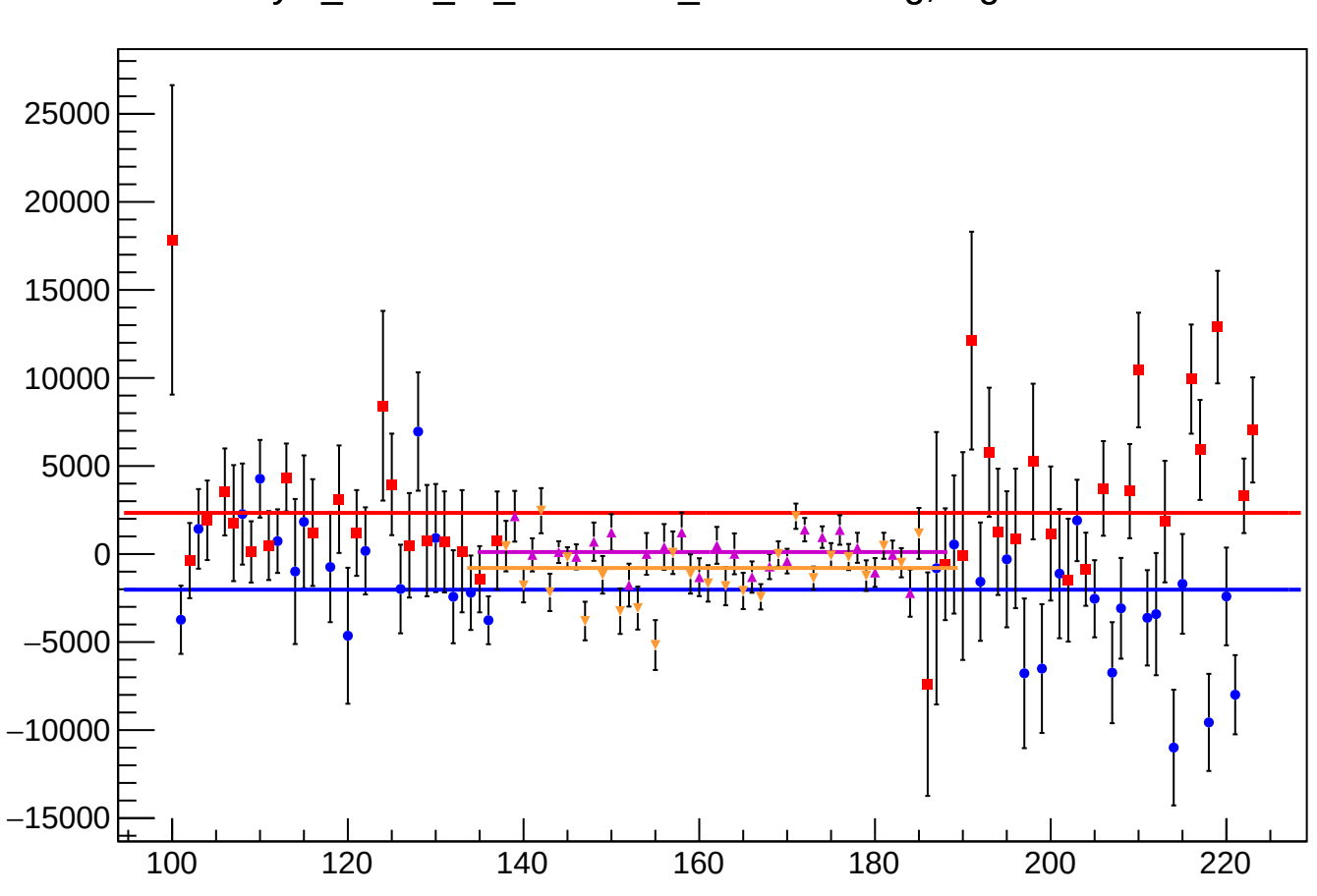
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 190.306+/-0.022 χ^2/NDF: 15229522.3/72

In: 125.638+/-0.016 χ^2/NDF:13909702.4/56

Out: 125.383+/-0.016 χ^2/NDF:16165272.5/63

All: 125.508+/-0.011 χ^2/NDF: 30075108.2/12



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

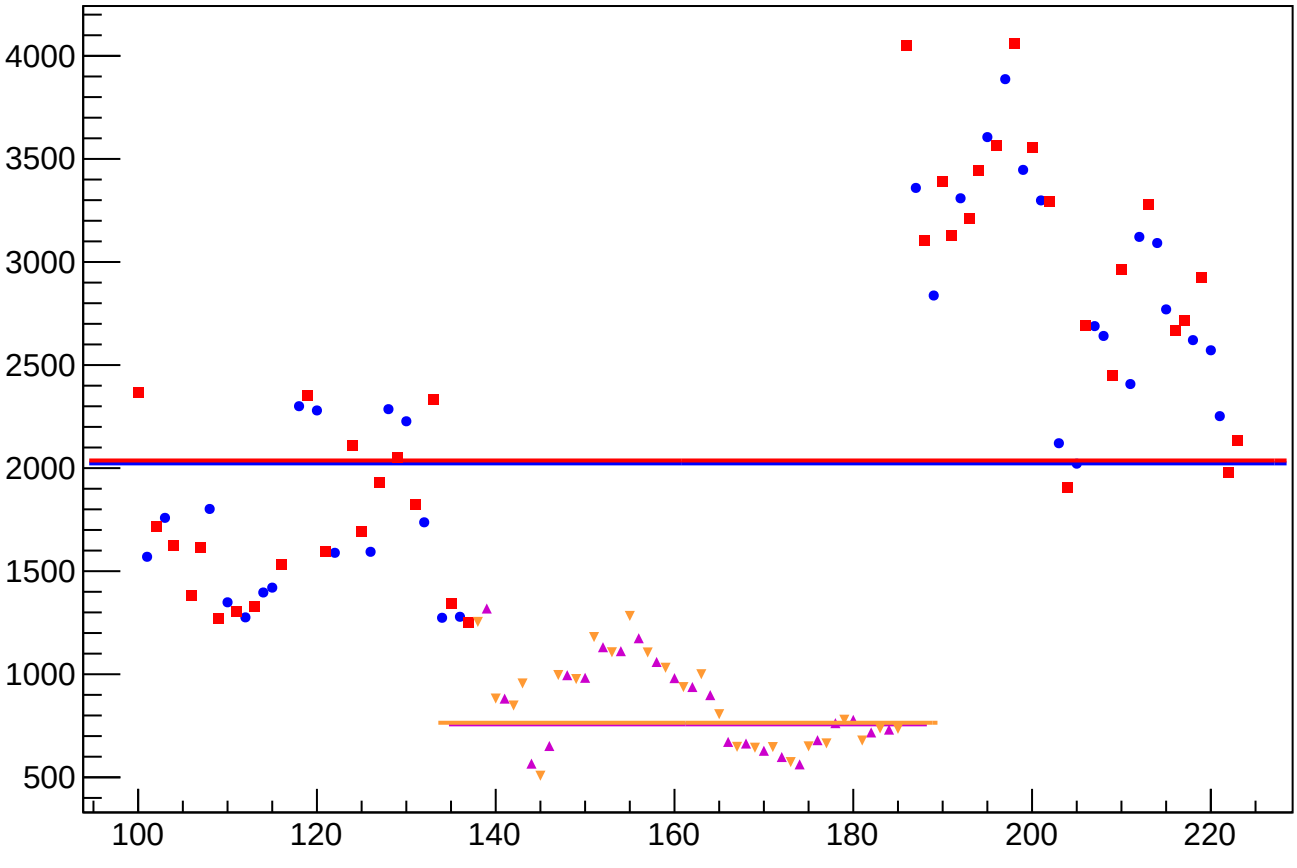
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 170.987+/-321.847 χ^2/NDF: 161.0/72

In: -182.403+/-169.973 χ^2/NDF:105.0/56

Out: -367.771+/-167.225 χ^2/NDF:166.5/63

All: -276.598+/-119.206 χ^2/NDF: 272.1/120



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

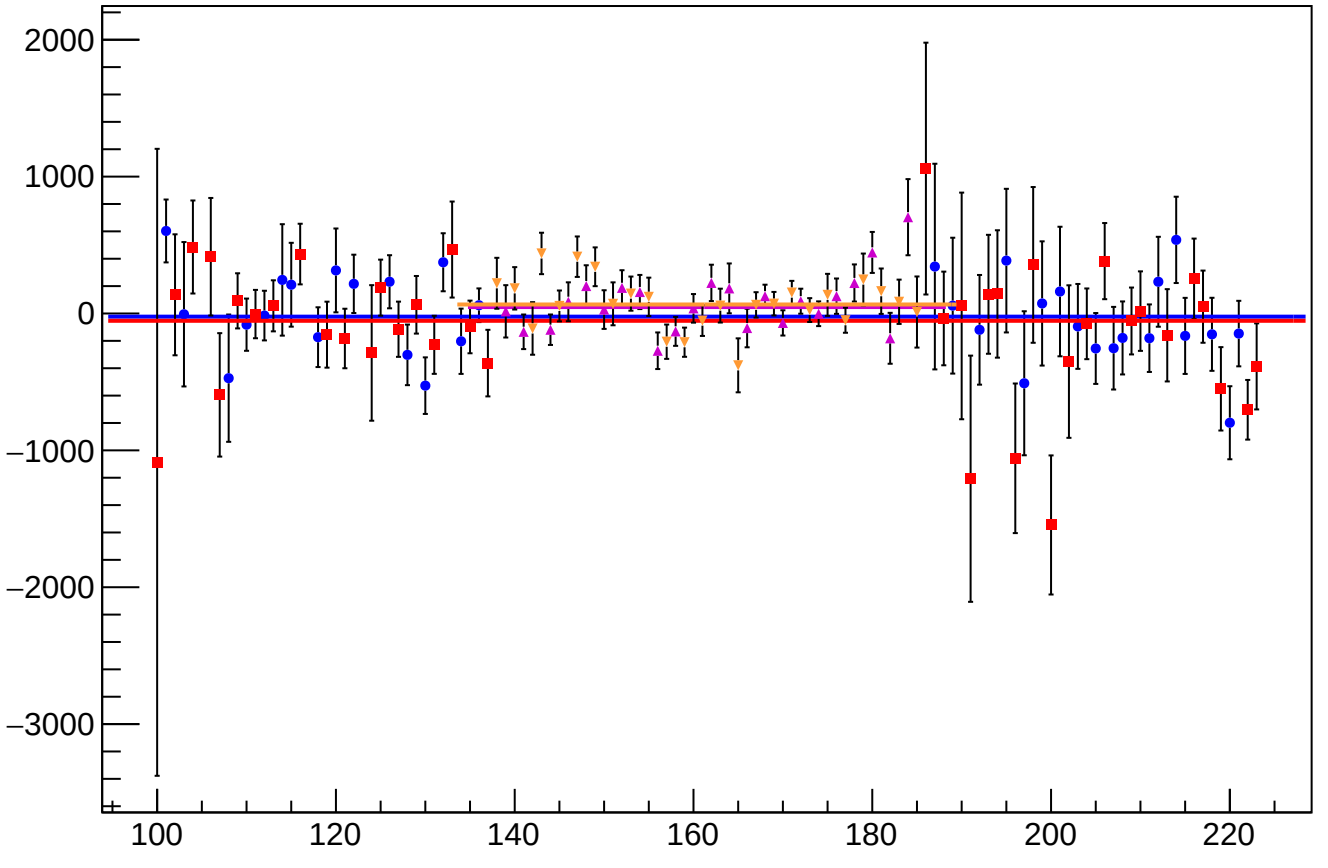
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 2030.083+/-0.228 χ^2/NDF: 9718034.6/72

In: 932.258+/-0.120 χ^2/NDF:19861228.0/56

Out: 937.669+/-0.118 χ^2/NDF:21233317.4/63

All: 935.008+/-0.084 χ^2/NDF: 41095575.3/12



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

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

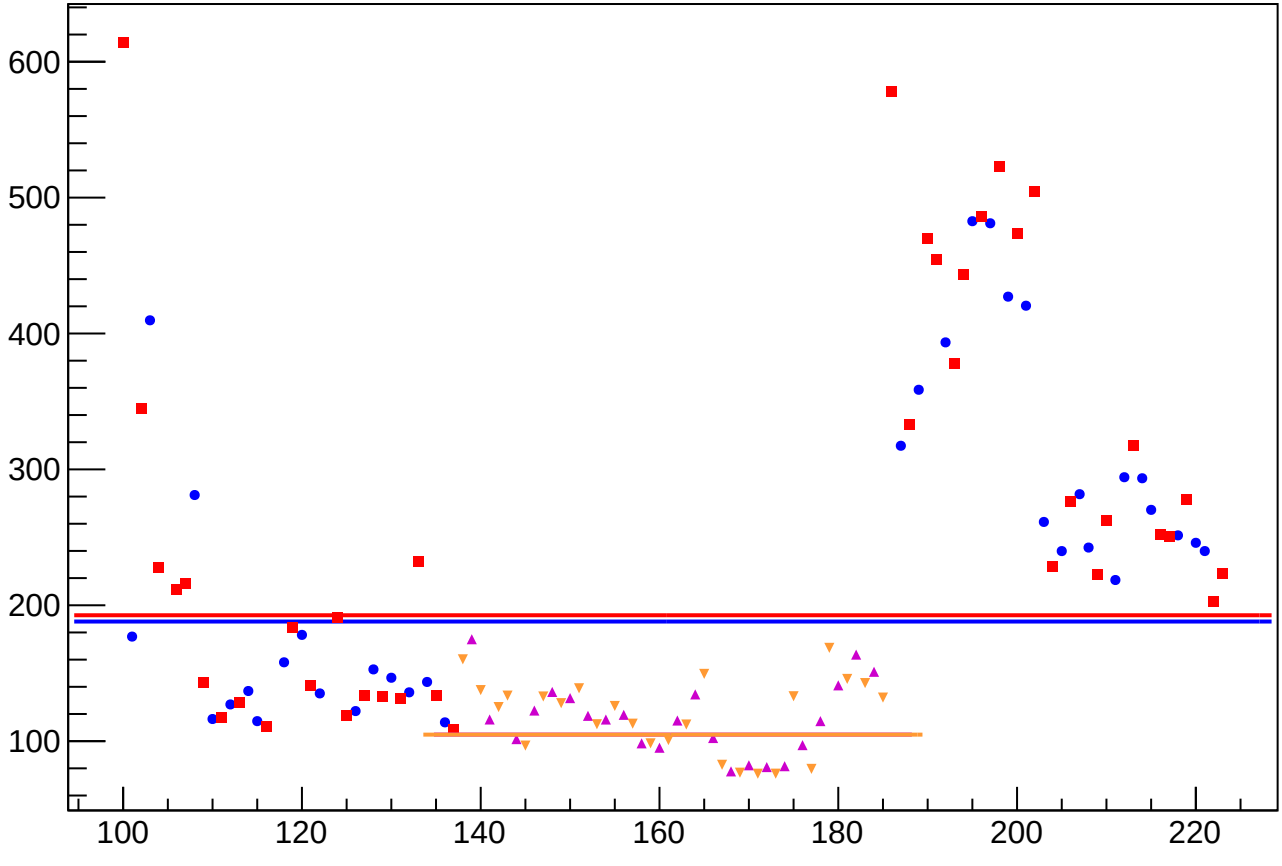
Right: -37.994+/-31.752 χ^2/NDF: 94.9/72

In: 29.486+/-22.253 χ^2/NDF:83.9/56

Out: 37.817+/-21.930 χ^2/NDF:96.6/63

All: 33.713+/-15.620 χ^2/NDF: 180.5/120

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



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

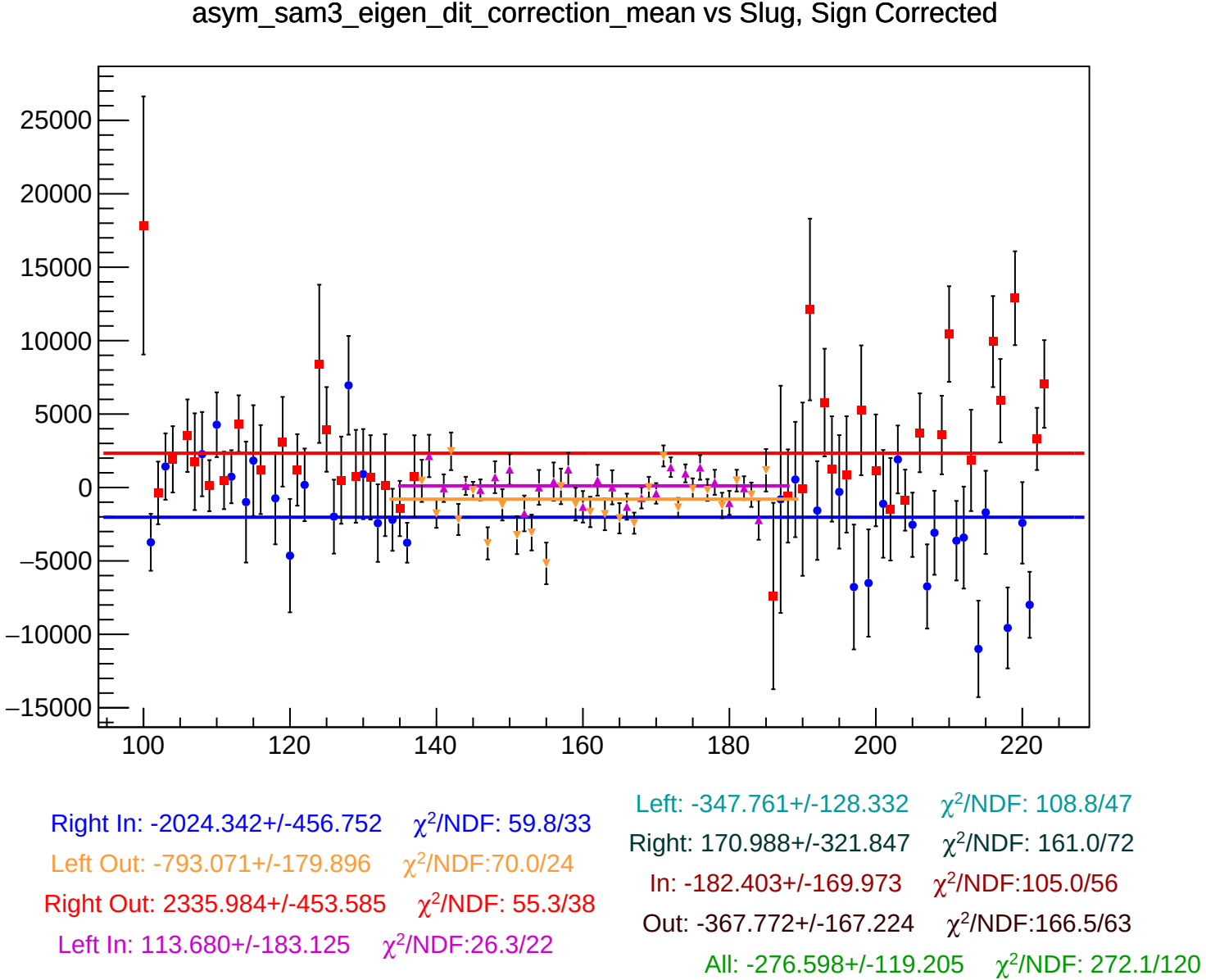
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

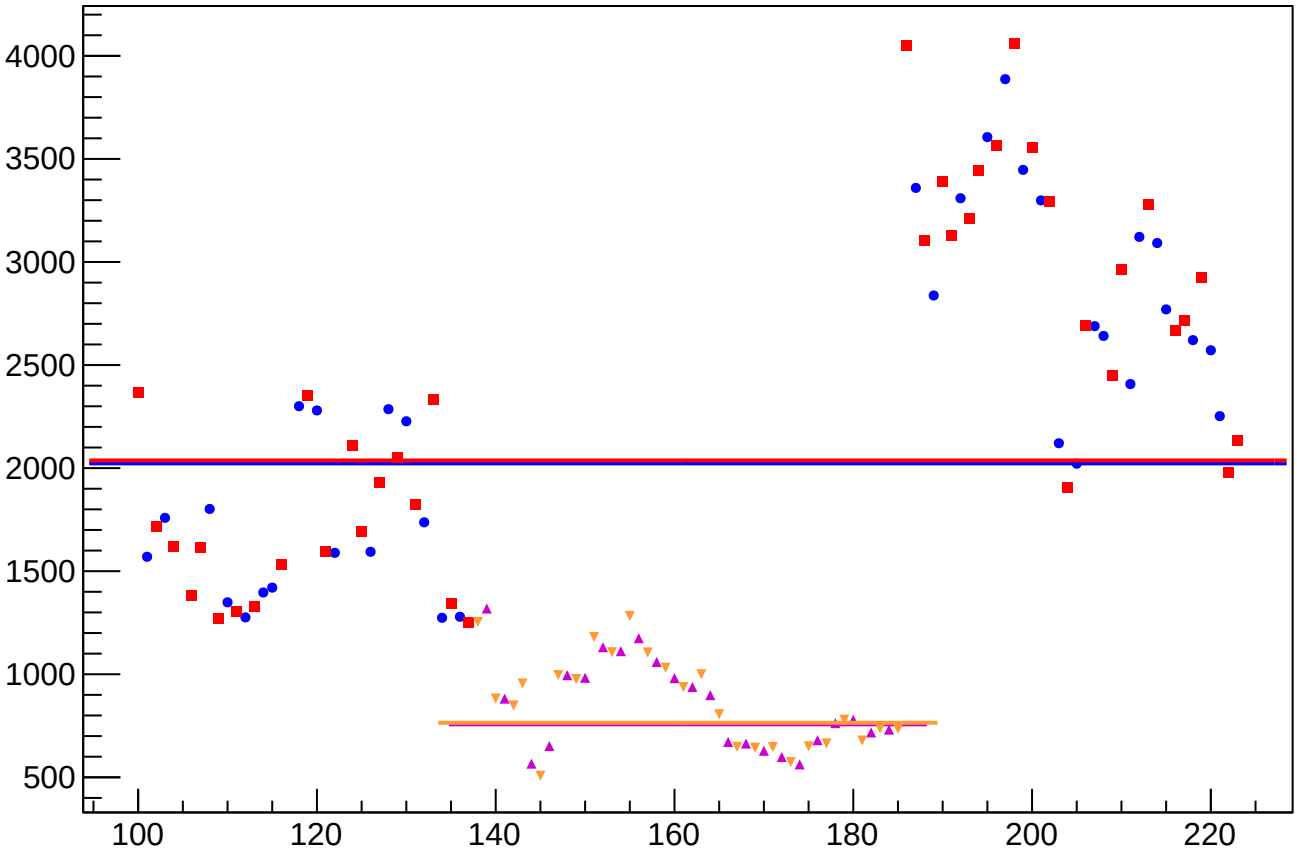
Right: 190.307+/-0.022 χ^2/NDF: 15229470.7/72

In: 125.638+/-0.016 χ^2/NDF:13909668.8/56

Out: 125.383+/-0.016 χ^2/NDF:16165254.5/63

All: 125.509+/-0.011 χ^2/NDF: 30075056.6/12


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -2024.342+/-456.752 χ²/NDF: 59.8/33
Left Out: -793.071+/-179.896 χ²/NDF:70.0/24
Right Out: 2335.984+/-453.585 χ²/NDF: 55.3/38
Left In: 113.680+/-183.125 χ²/NDF:26.3/22
Left: -347.761+/-128.332 χ²/NDF: 108.8/47
Right: 170.988+/-321.847 χ²/NDF: 161.0/72
In: -182.403+/-169.973 χ²/NDF:105.0/56
Out: -367.772+/-167.224 χ²/NDF:166.5/63
All: -276.598+/-119.205 χ²/NDF: 272.1/120



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

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

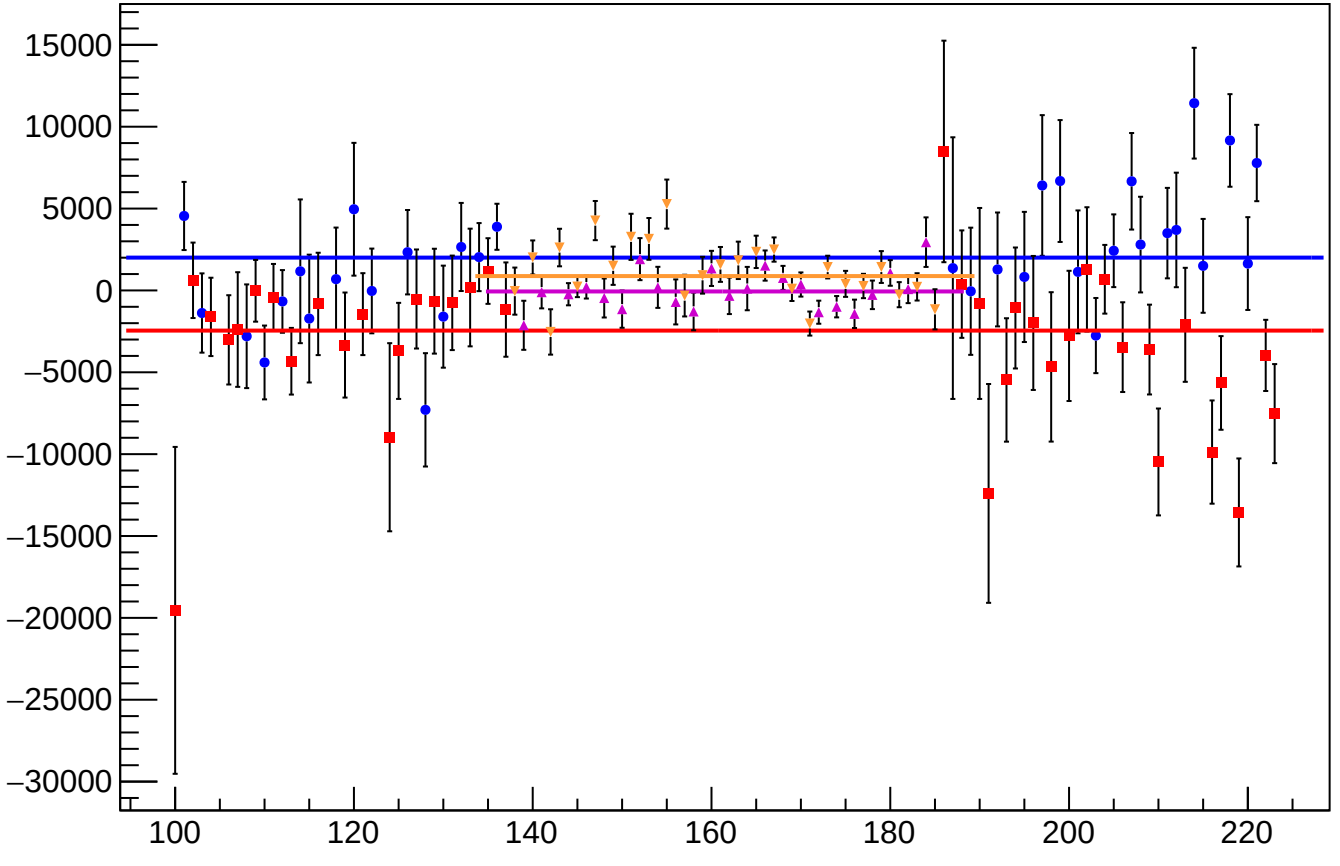
Right: 2030.081+/-0.228 χ^2/NDF: 9718038.9/72

In: 932.257+/-0.120 χ^2/NDF:19861225.8/56

Out: 937.668+/-0.118 χ^2/NDF:21233306.0/63

All: 935.007+/-0.084 χ^2/NDF: 41095561.8/12

asym_sam3_mean vs Slug, Sign Corrected



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

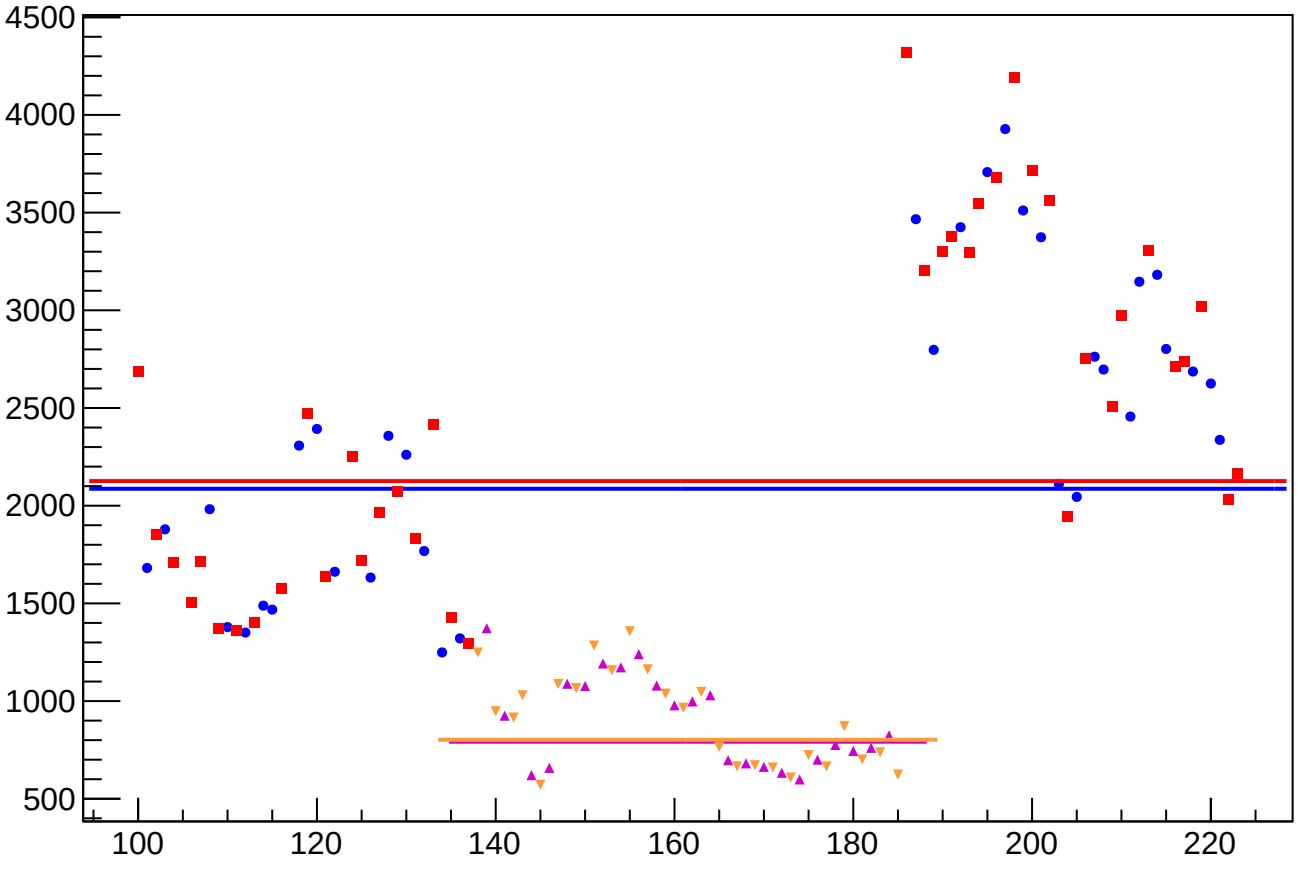
Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

Right: -216.910+/-333.252 χ^2/NDF: 157.2/72

In: 231.294+/-177.449 χ^2/NDF:103.0/56

Out: 416.506+/-175.458 χ^2/NDF:163.3/63

All: 324.945+/-124.766 χ^2/NDF: 266.9/120



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

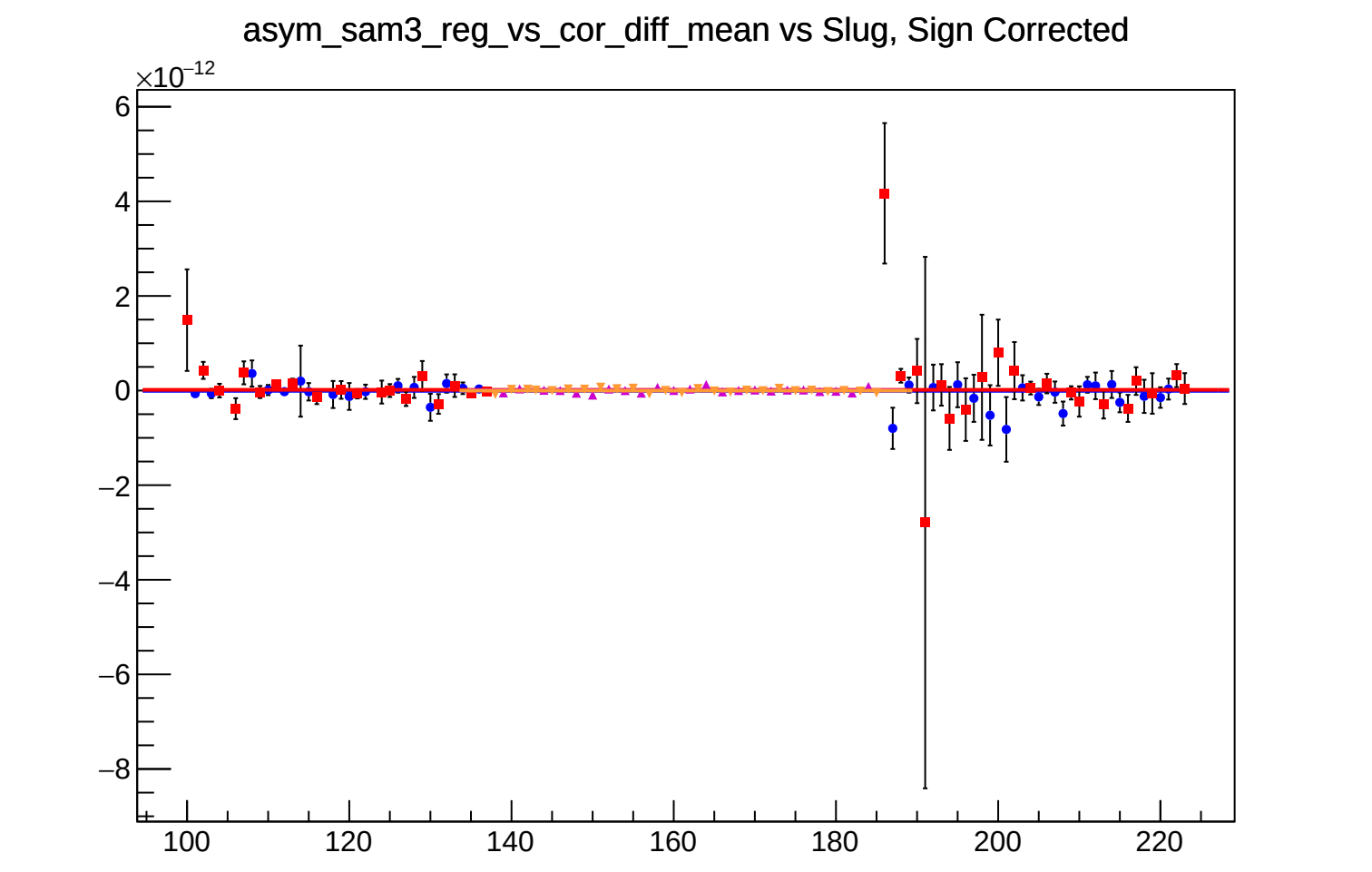
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 2106.225+/-0.236 χ^2/NDF: 9301390.1/72

In: 976.189+/-0.125 χ^2/NDF:19480874.7/56

Out: 984.911+/-0.124 χ^2/NDF:20889724.9/63

All: 980.599+/-0.088 χ^2/NDF: 40373042.5/12



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

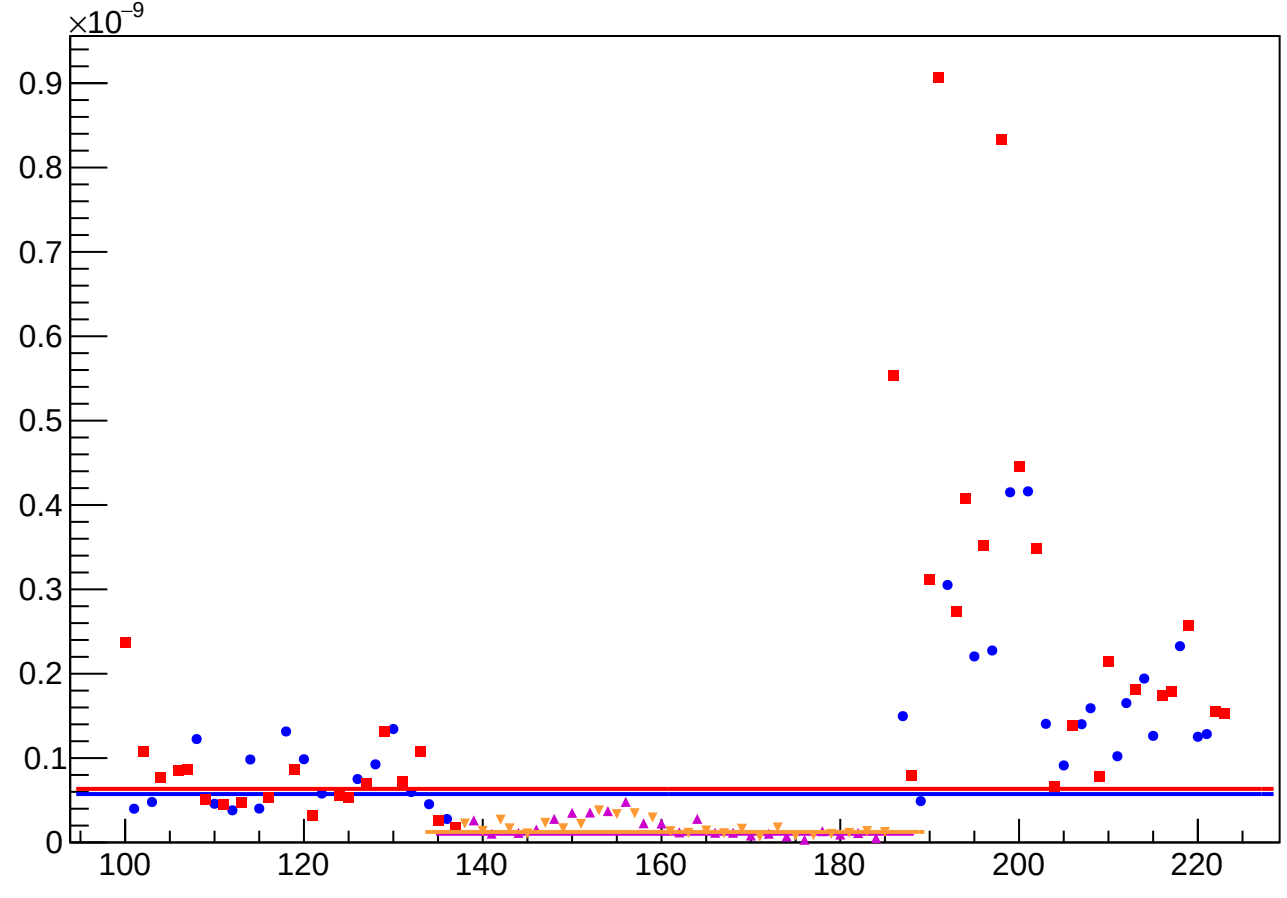
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 66.1/72

In: 0.000+/-0.000 χ^2/NDF:52.0/56

Out: -0.000+/-0.000 χ^2/NDF:69.9/63

All: 0.000+/-0.000 χ^2/NDF: 122.7/120



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

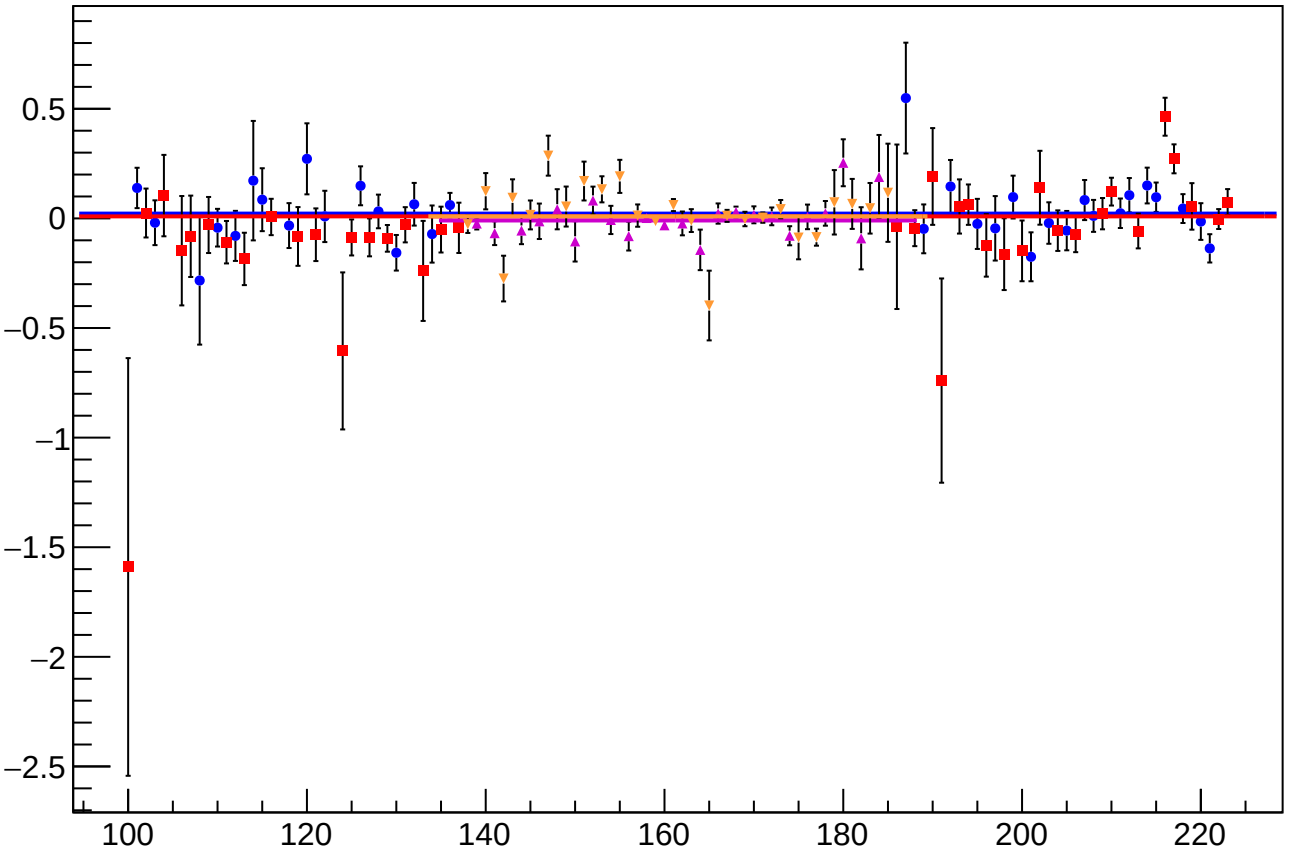
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15102385.6/72

In: 0.000+/-0.000 χ^2/NDF:17504164.0/56

Out: 0.000+/-0.000 χ^2/NDF:17146658.8/63

All: 0.000+/-0.000 χ^2/NDF: 34855304.9/120



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

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

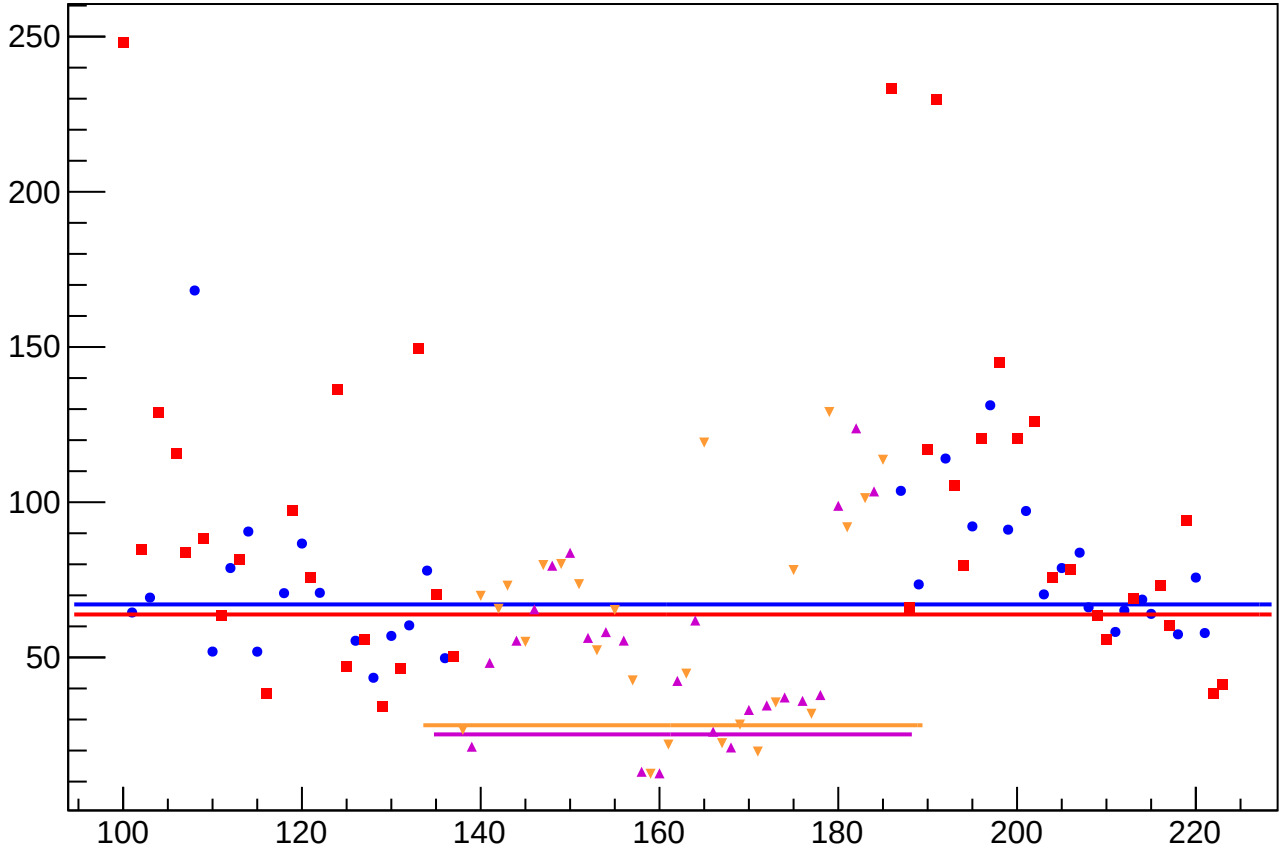
Right: 0.015+/-0.011 χ^2/NDF: 115.7/72

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.010+/-0.007 χ^2/NDF:132.1/63

All: 0.003+/-0.005 χ^2/NDF: 199.9/120

asym_sam3_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

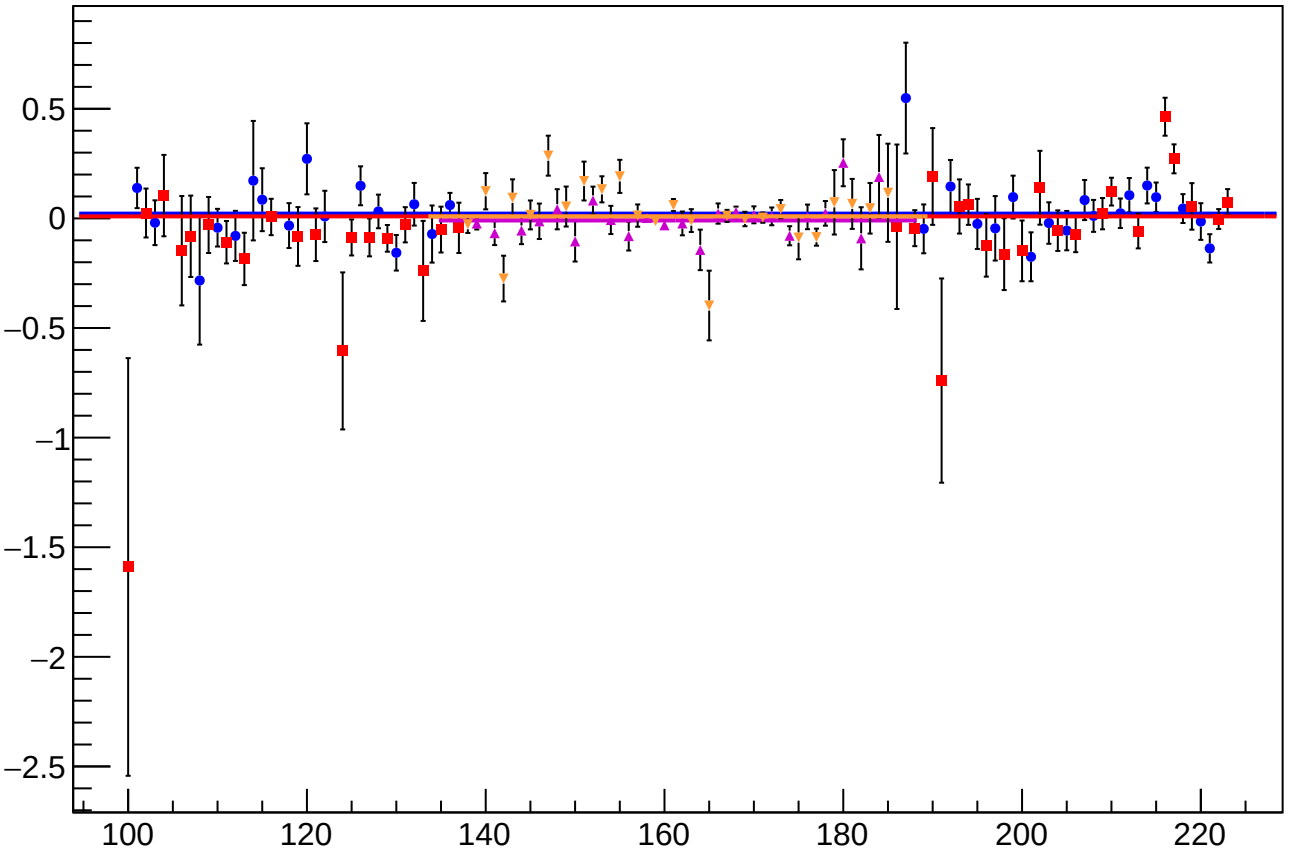
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 65.425+/-0.008 χ^2/NDF: 8004753.1/72

In: 33.660+/-0.005 χ^2/NDF:23452661.4/56

Out: 36.395+/-0.005 χ^2/NDF:25044684.1/63

All: 34.964+/-0.004 χ^2/NDF: 48639663.7/120



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

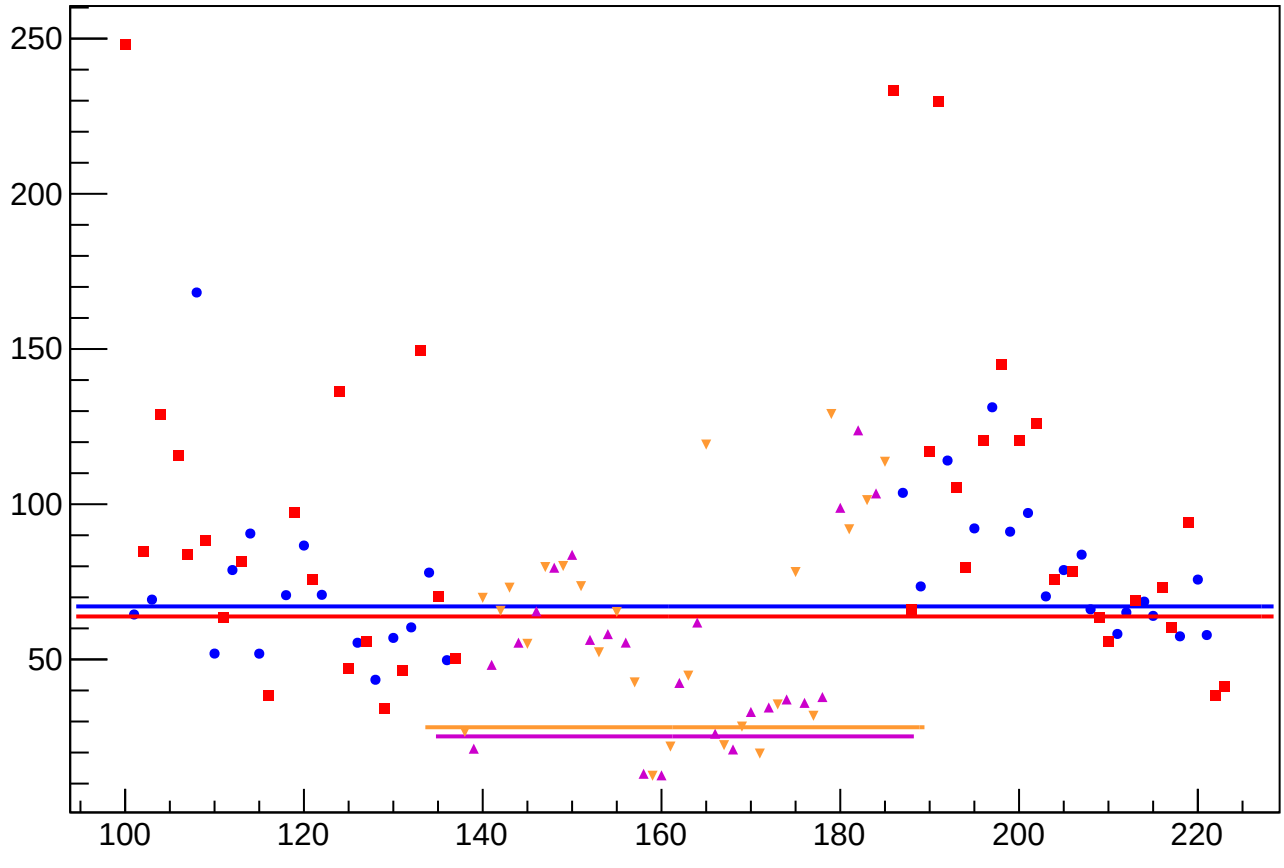
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.015+/-0.011 χ^2/NDF: 115.7/72

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.010+/-0.007 χ^2/NDF:132.1/63

All: 0.003+/-0.005 χ^2/NDF: 199.9/120



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

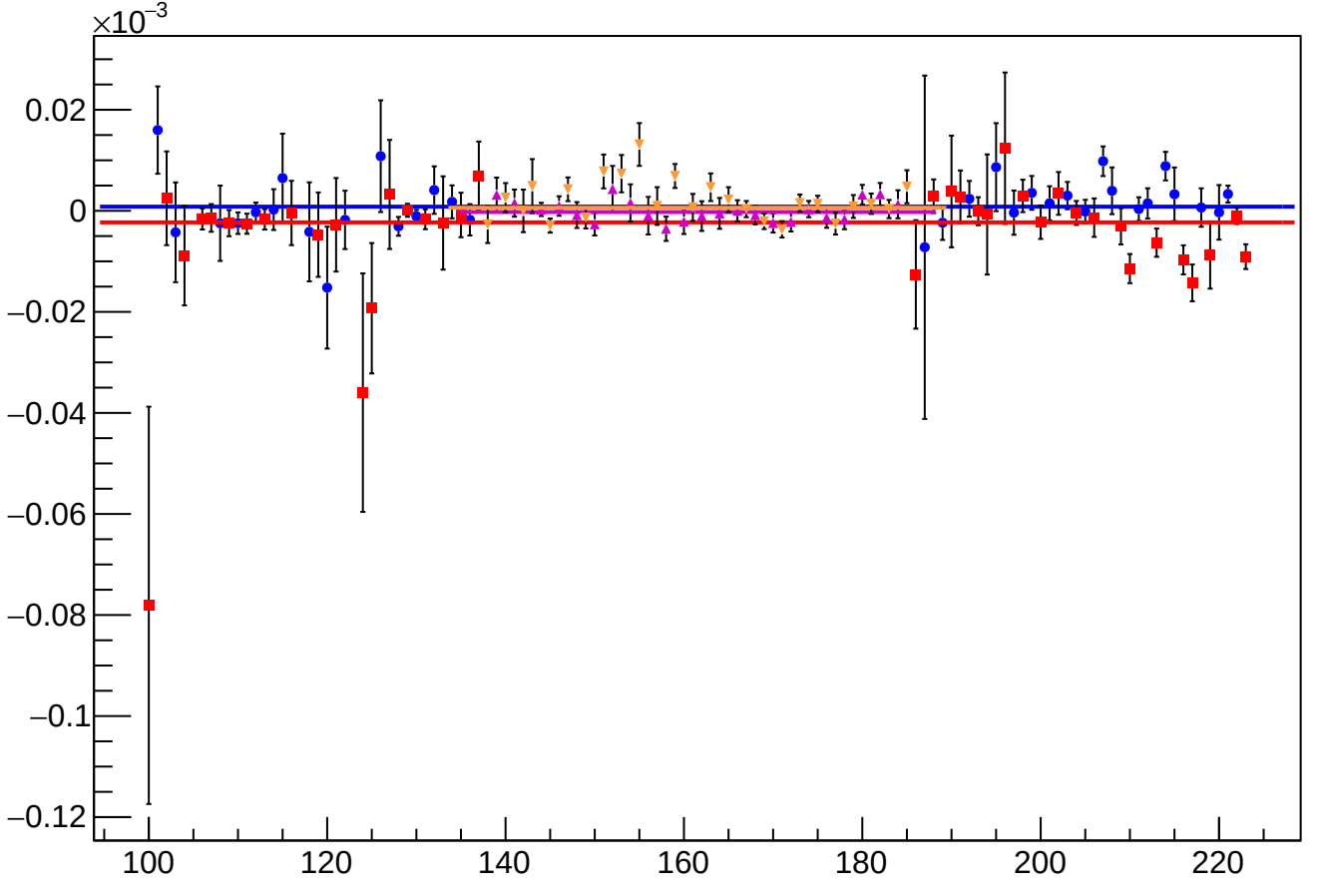
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 65.425+/-0.008 χ^2/NDF: 8004753.1/72

In: 33.660+/-0.005 χ^2/NDF:23452661.4/56

Out: 36.395+/-0.005 χ^2/NDF:25044684.1/63

All: 34.964+/-0.004 χ^2/NDF: 48639663.7/120



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

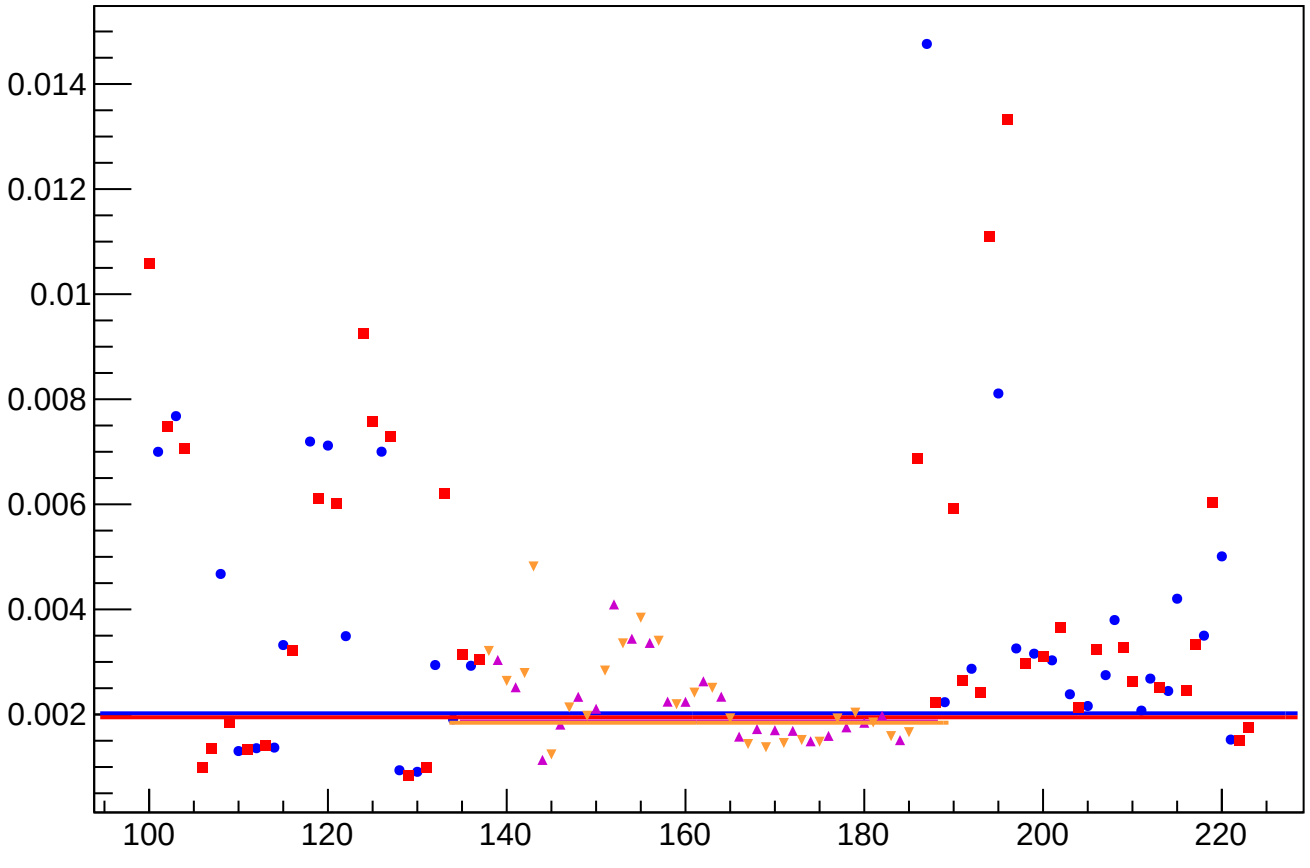
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 124.8/72

In: 0.000+/-0.000 χ^2/NDF:60.5/56

Out: -0.000+/-0.000 χ^2/NDF:135.6/63

All: -0.000+/-0.000 χ^2/NDF: 199.5/120



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

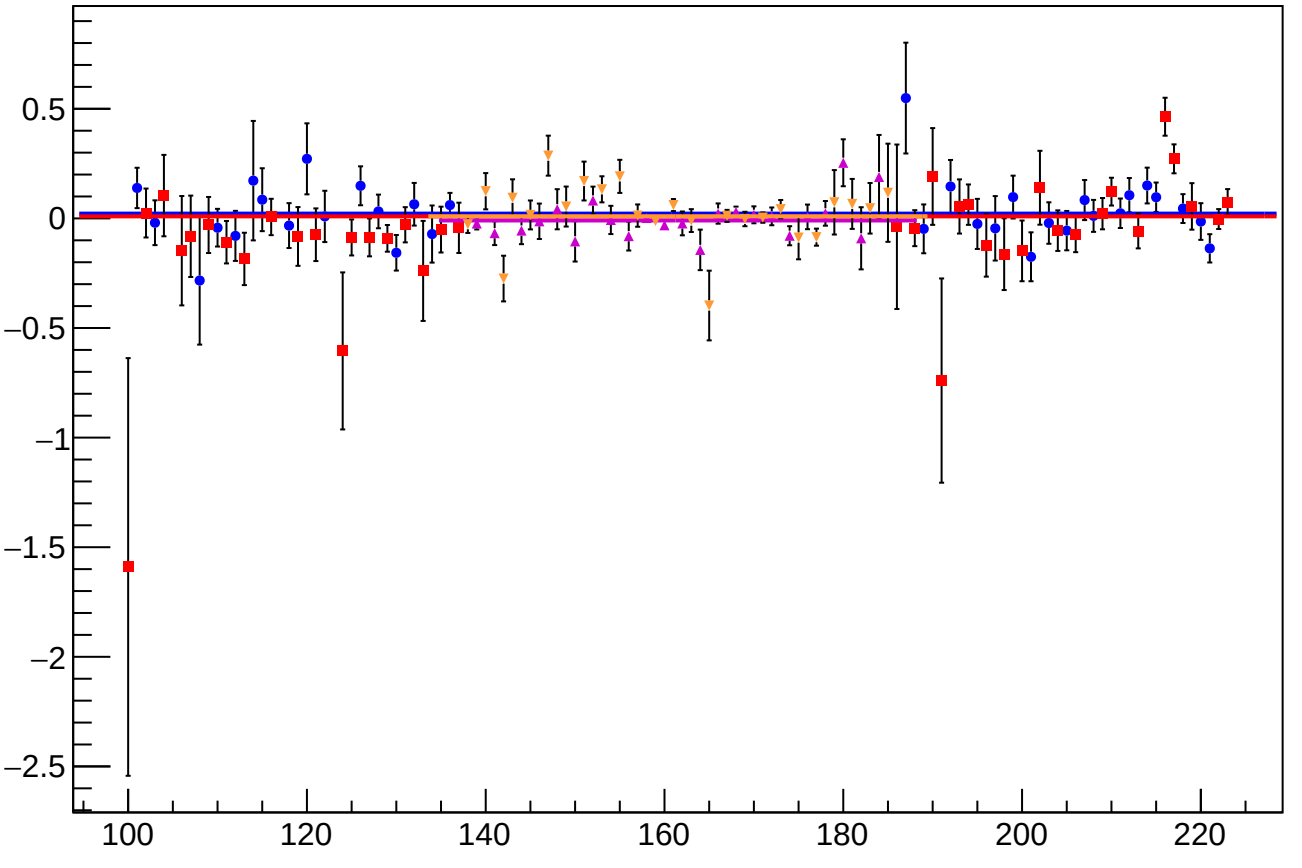
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 22827582.6/72

In: 0.002+/-0.000 χ^2/NDF:12973562.3/56

Out: 0.002+/-0.000 χ^2/NDF:16558407.8/63

All: 0.002+/-0.000 χ^2/NDF: 29549286.8/120



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

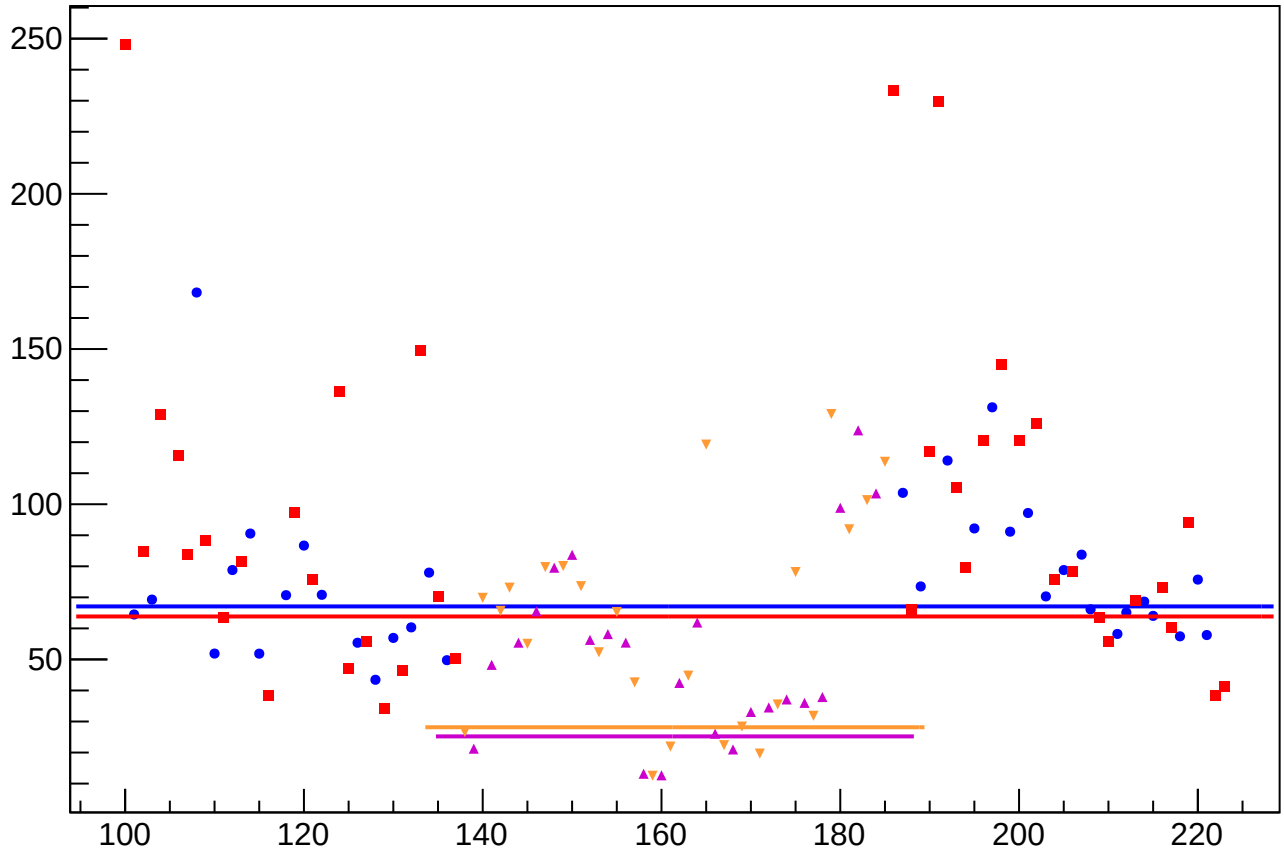
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.015+/-0.011 χ^2/NDF: 115.7/72

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.010+/-0.007 χ^2/NDF:132.0/63

All: 0.003+/-0.005 χ^2/NDF: 199.9/120



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

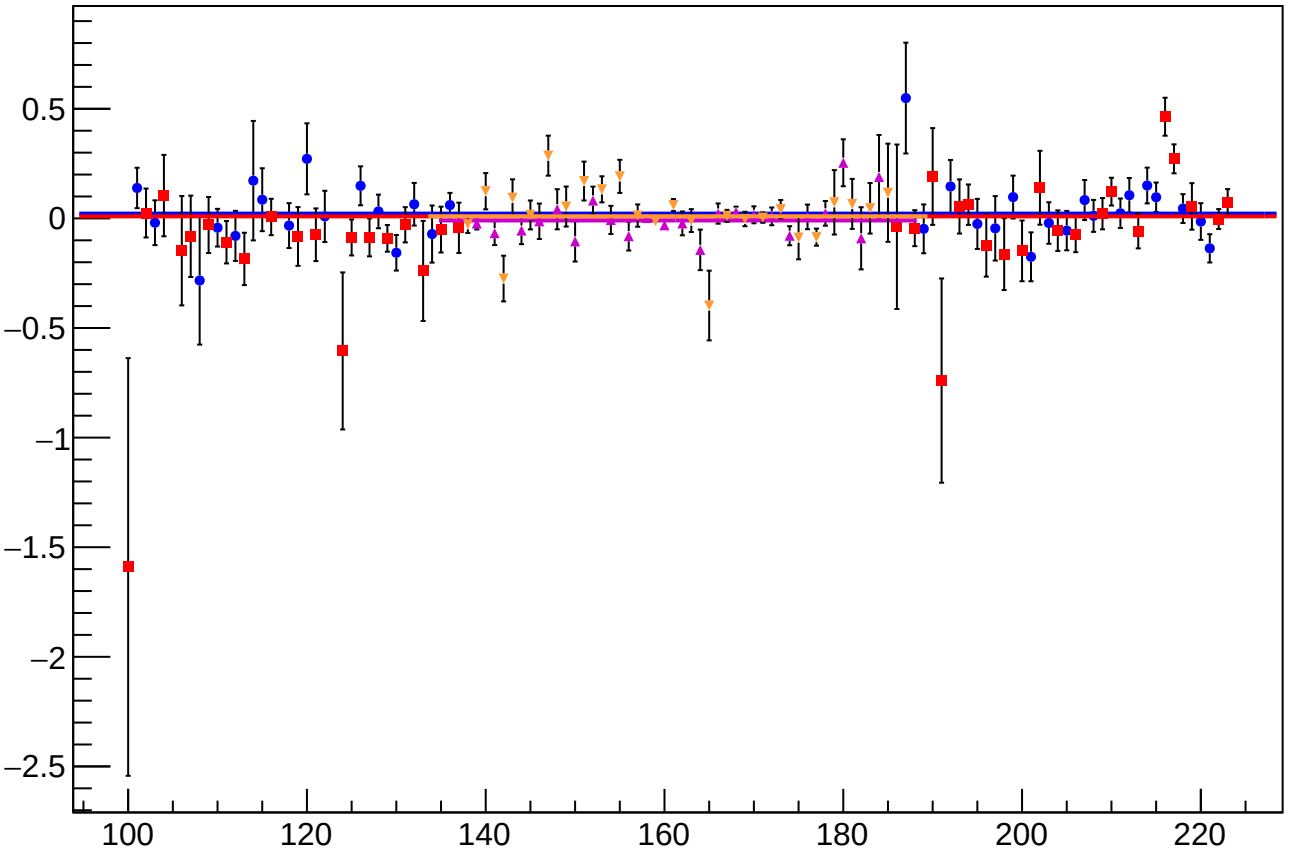
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 65.425+/-0.008 χ^2/NDF: 8004863.3/72

In: 33.659+/-0.005 χ^2/NDF:23453438.6/56

Out: 36.394+/-0.005 χ^2/NDF:25046624.5/63

All: 34.963+/-0.004 χ^2/NDF: 48642305.5/120



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

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

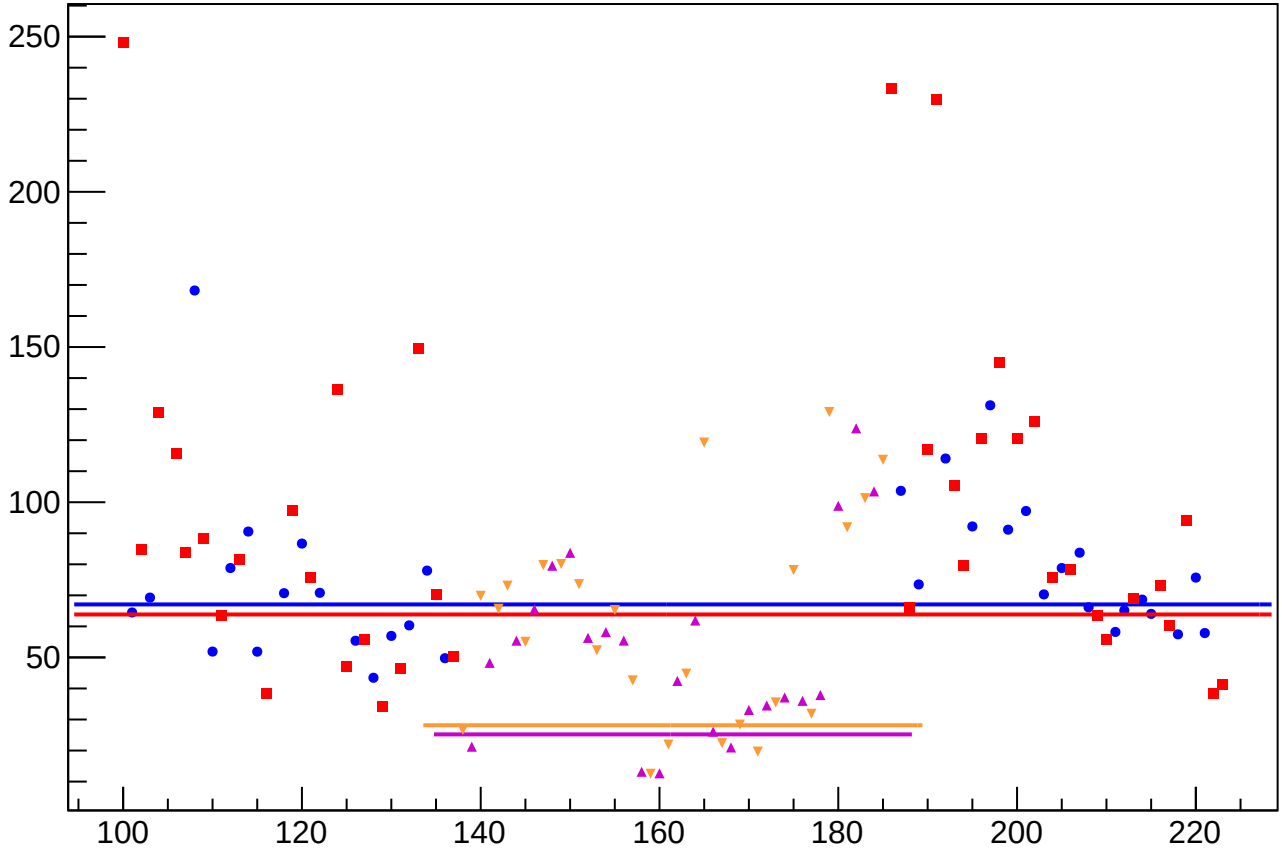
Right: 0.015+/-0.011 χ^2/NDF: 115.7/72

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.010+/-0.007 χ^2/NDF:132.0/63

All: 0.003+/-0.005 χ^2/NDF: 199.9/120

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

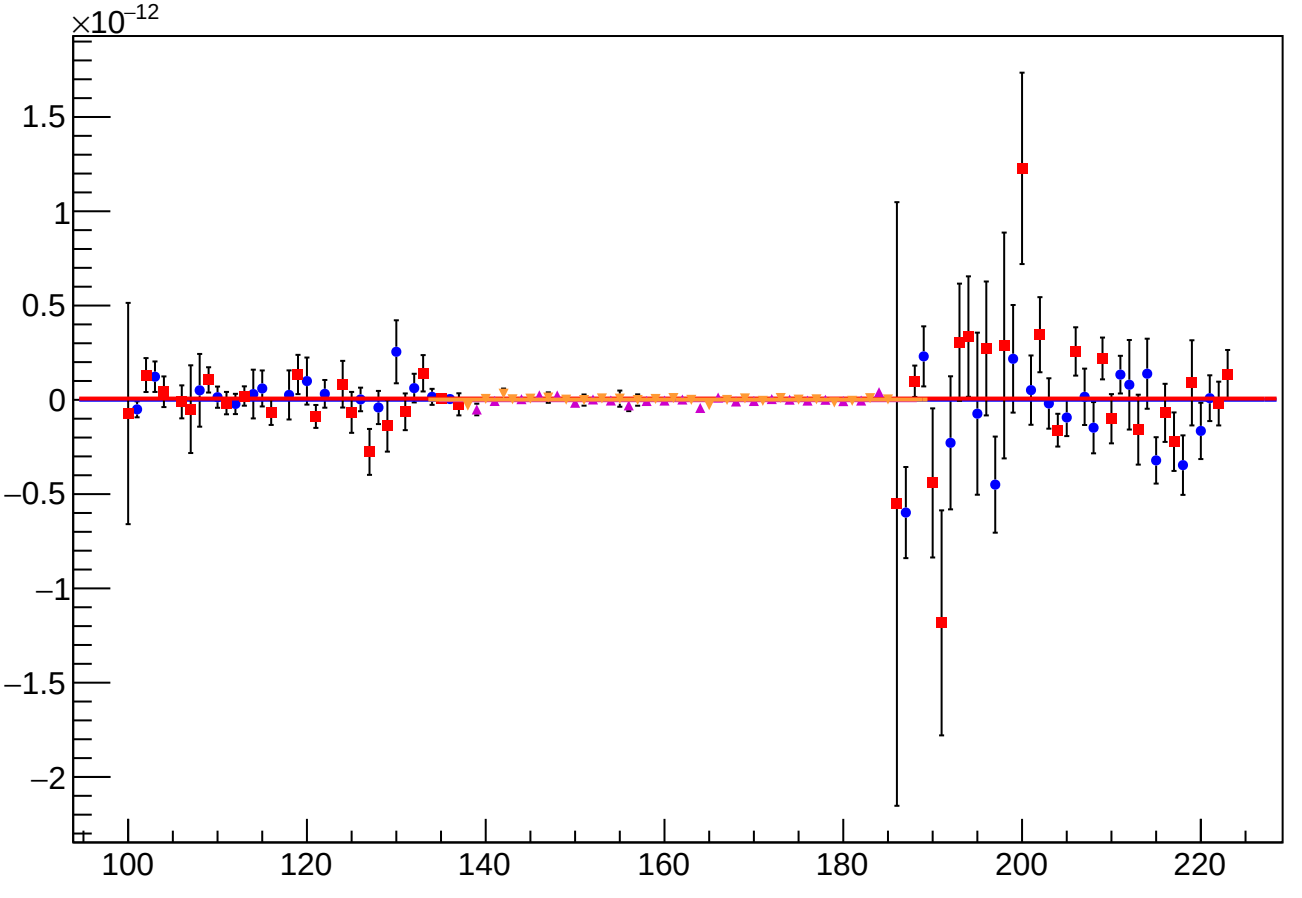
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 65.425+/-0.008 χ^2/NDF: 8004863.3/72

In: 33.659+/-0.005 χ^2/NDF:23453438.6/56

Out: 36.394+/-0.005 χ^2/NDF:25046624.5/63

All: 34.963+/-0.004 χ^2/NDF: 48642305.5/120



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

Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

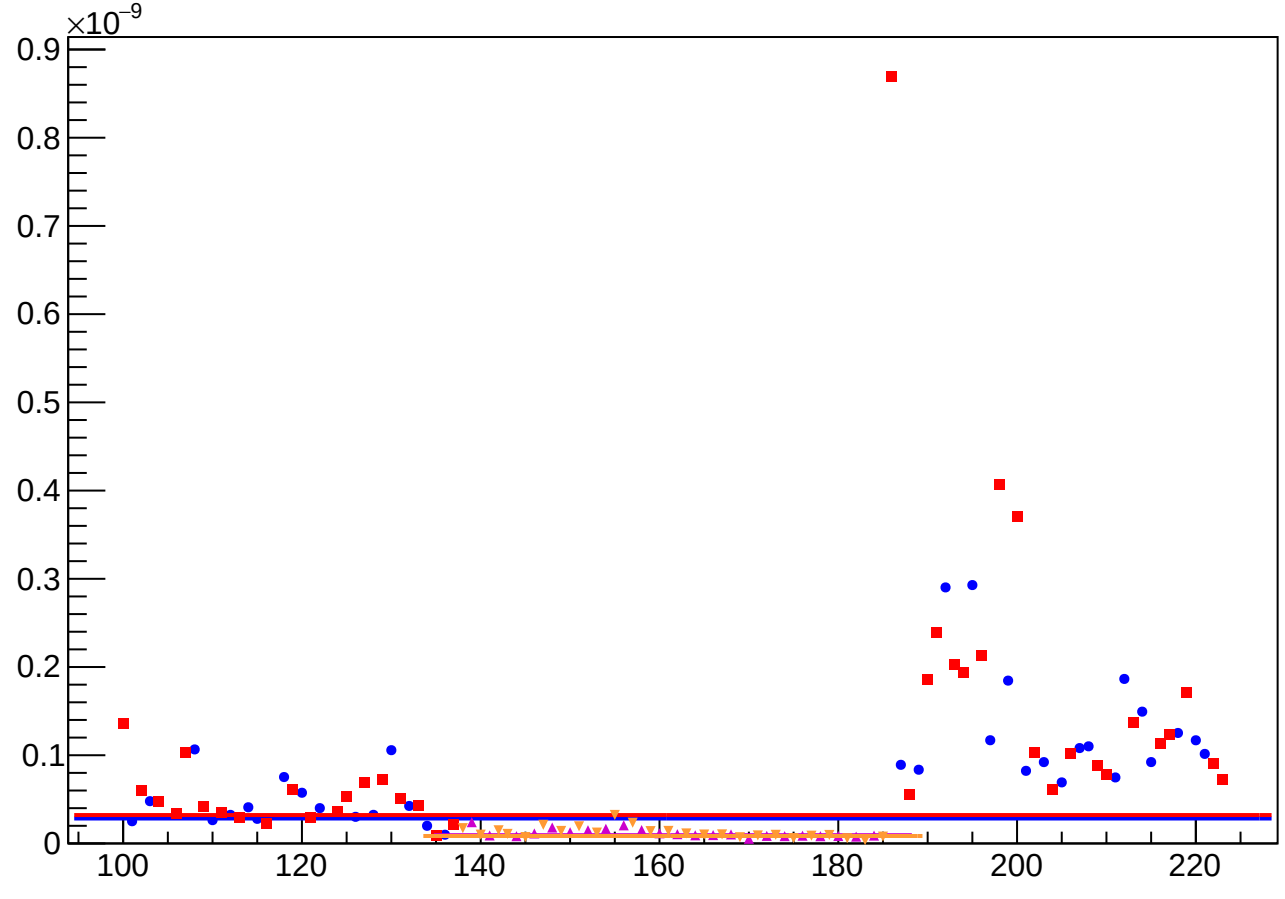
Right: 0.000+/-0.000 χ^2/NDF: 92.8/72

In: -0.000+/-0.000 χ^2/NDF:59.5/56

Out: 0.000+/-0.000 χ^2/NDF:65.5/63

All: 0.000+/-0.000 χ^2/NDF: 125.7/120

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

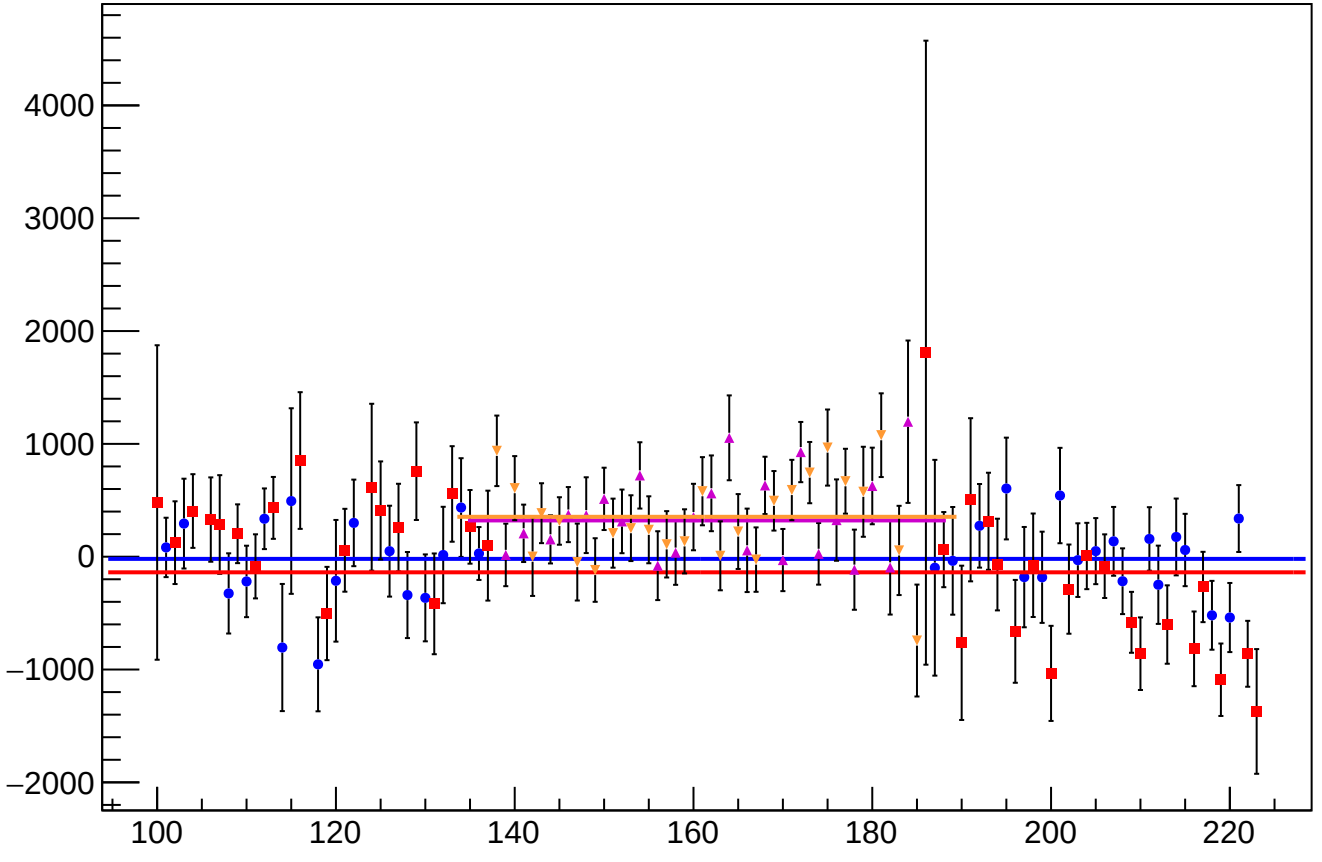
Right: 0.000+/-0.000 χ^2/NDF: 28544372.2/72

In: 0.000+/-0.000 χ^2/NDF:21464758.3/56

Out: 0.000+/-0.000 χ^2/NDF:25265192.1/63

All: 0.000+/-0.000 χ^2/NDF: 46865745.8/120

reg_asym_sam4_mean vs Slug, Sign Corrected



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

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

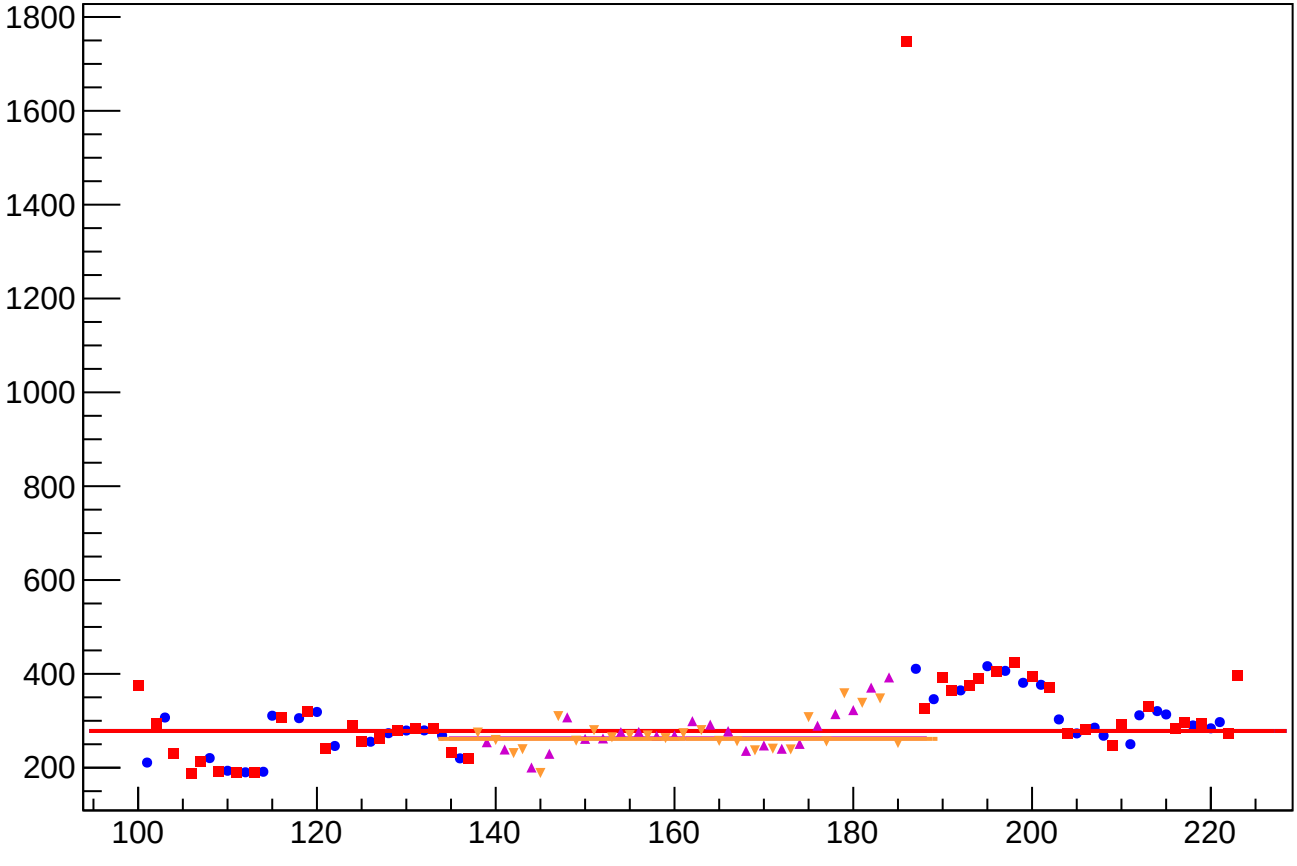
Right: -79.277+/-42.738 χ^2/NDF: 102.3/72

In: 147.012+/-43.392 χ^2/NDF:69.8/56

Out: 107.960+/-42.563 χ^2/NDF:138.0/63

All: 127.110+/-30.385 χ^2/NDF: 208.2/120

reg_asym_sam4_rms vs Slug, Sign Corrected



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

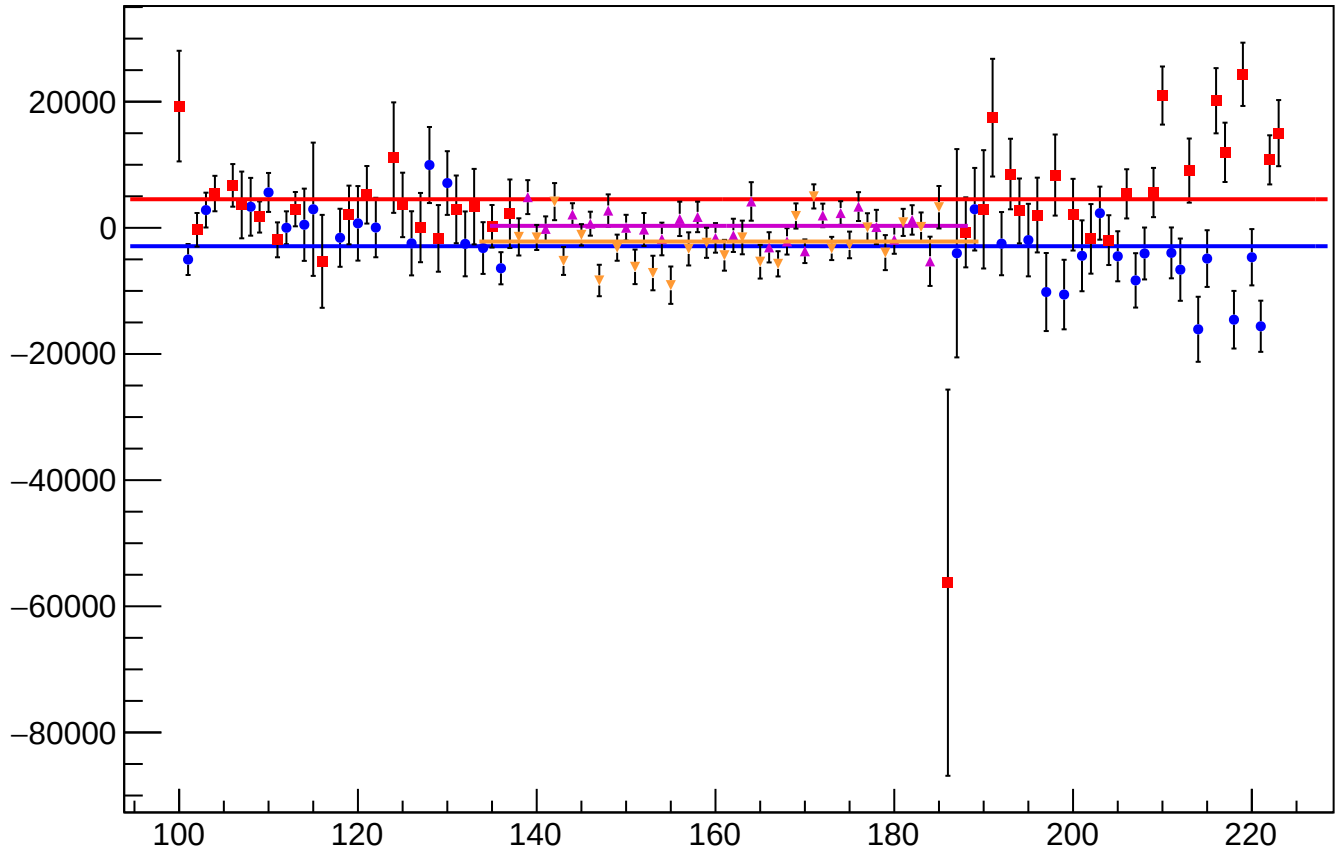
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 278.306+/-0.030 χ^2/NDF: 4376069.8/72

In: 270.658+/-0.031 χ^2/NDF:2404351.0/56

Out: 269.867+/-0.030 χ^2/NDF:3501394.4/63

All: 270.255+/-0.021 χ^2/NDF: 5906084.1/120



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

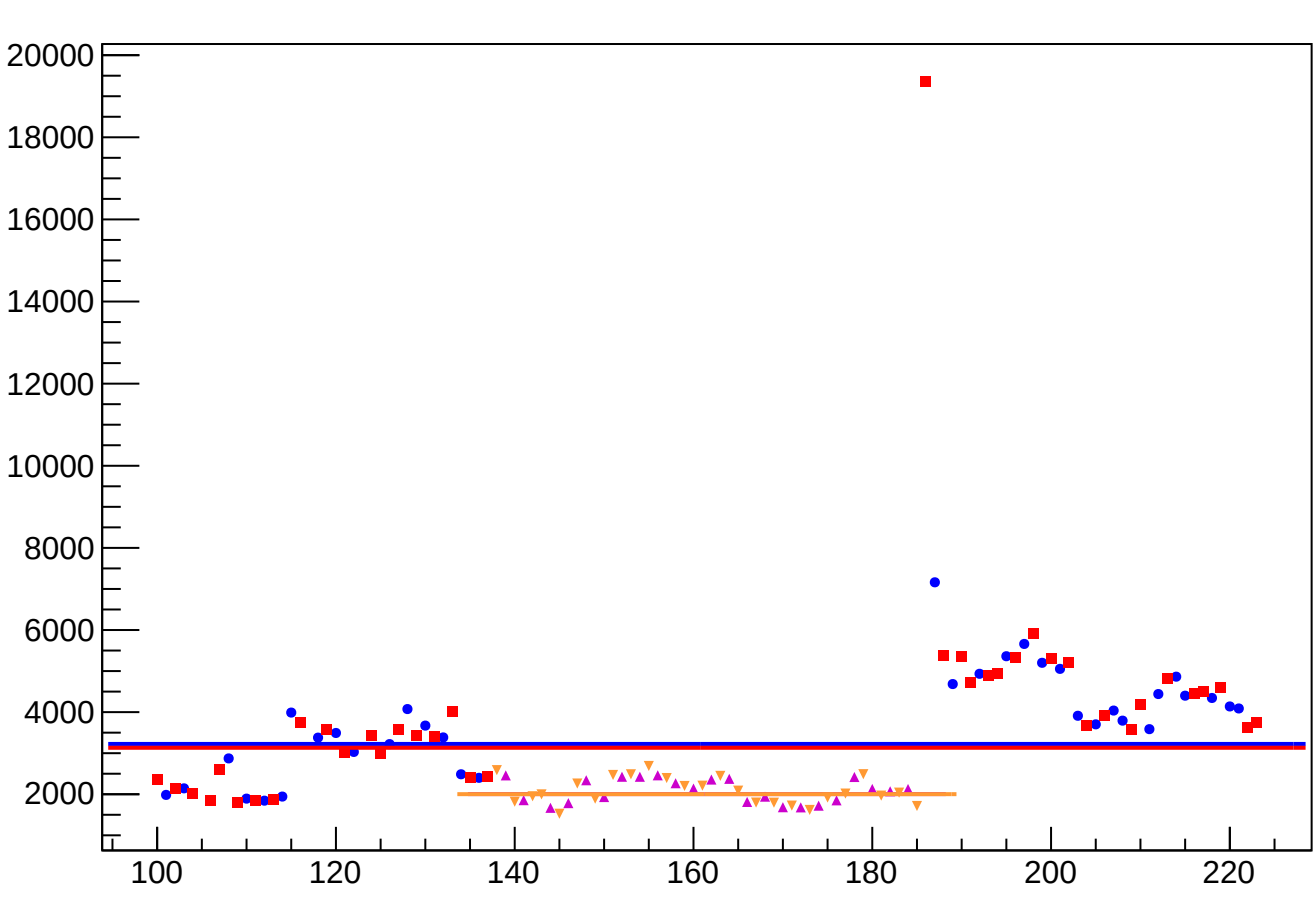
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 921.060+/-507.489 χ^2/NDF: 192.9/72

In: -646.105+/-397.383 χ^2/NDF:96.5/56

Out: -168.416+/-386.574 χ^2/NDF:198.5/63

All: -400.676+/-277.092 χ^2/NDF: 295.8/120



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

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

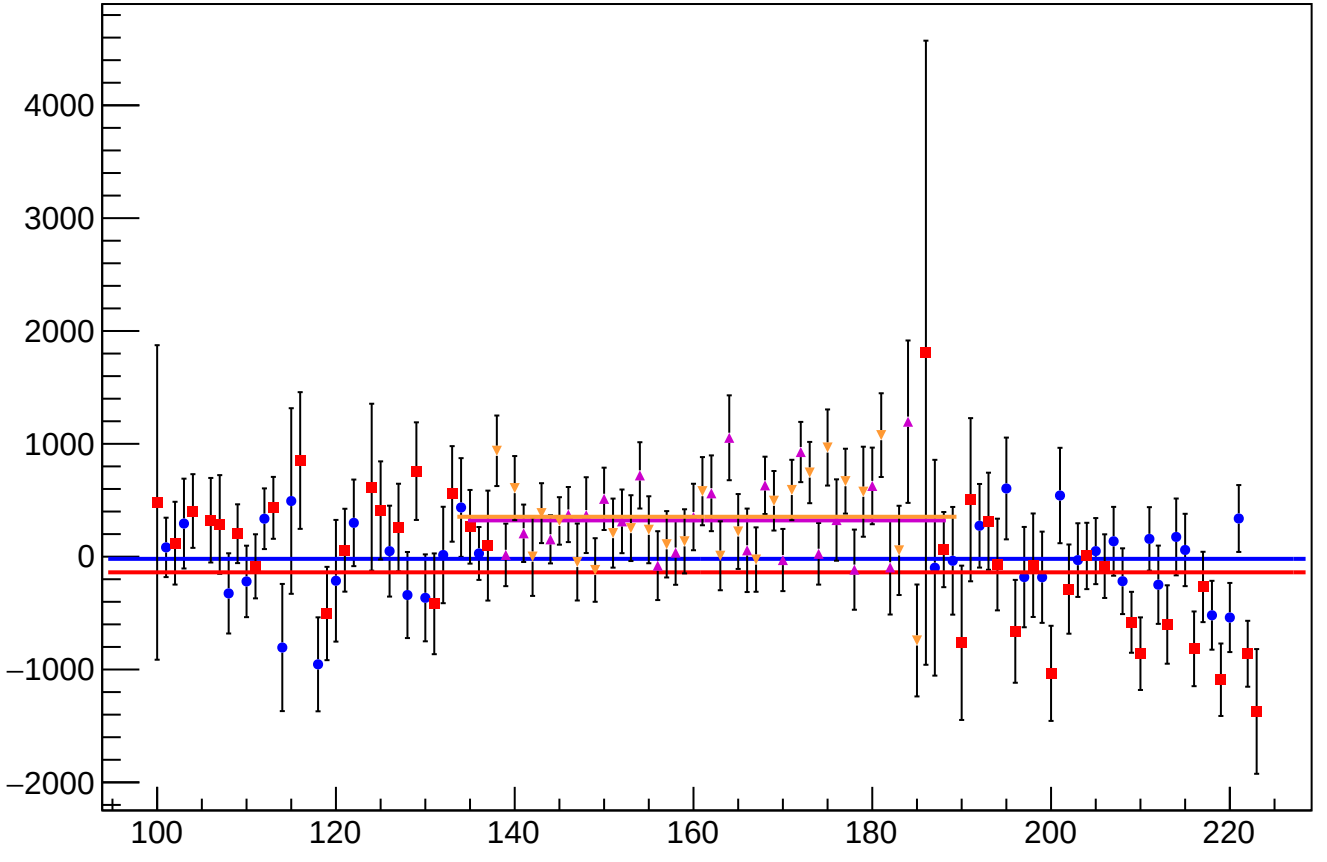
Right: 3177.374+/-0.359 χ^2/NDF: 11025845.6/72

In: 2367.404+/-0.281 χ^2/NDF:9329461.5/56

Out: 2339.863+/-0.273 χ^2/NDF:10803520.3/63

All: 2353.253+/-0.196 χ^2/NDF: 20137917.6/1

cor_asym_sam4_mean vs Slug, Sign Corrected



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

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

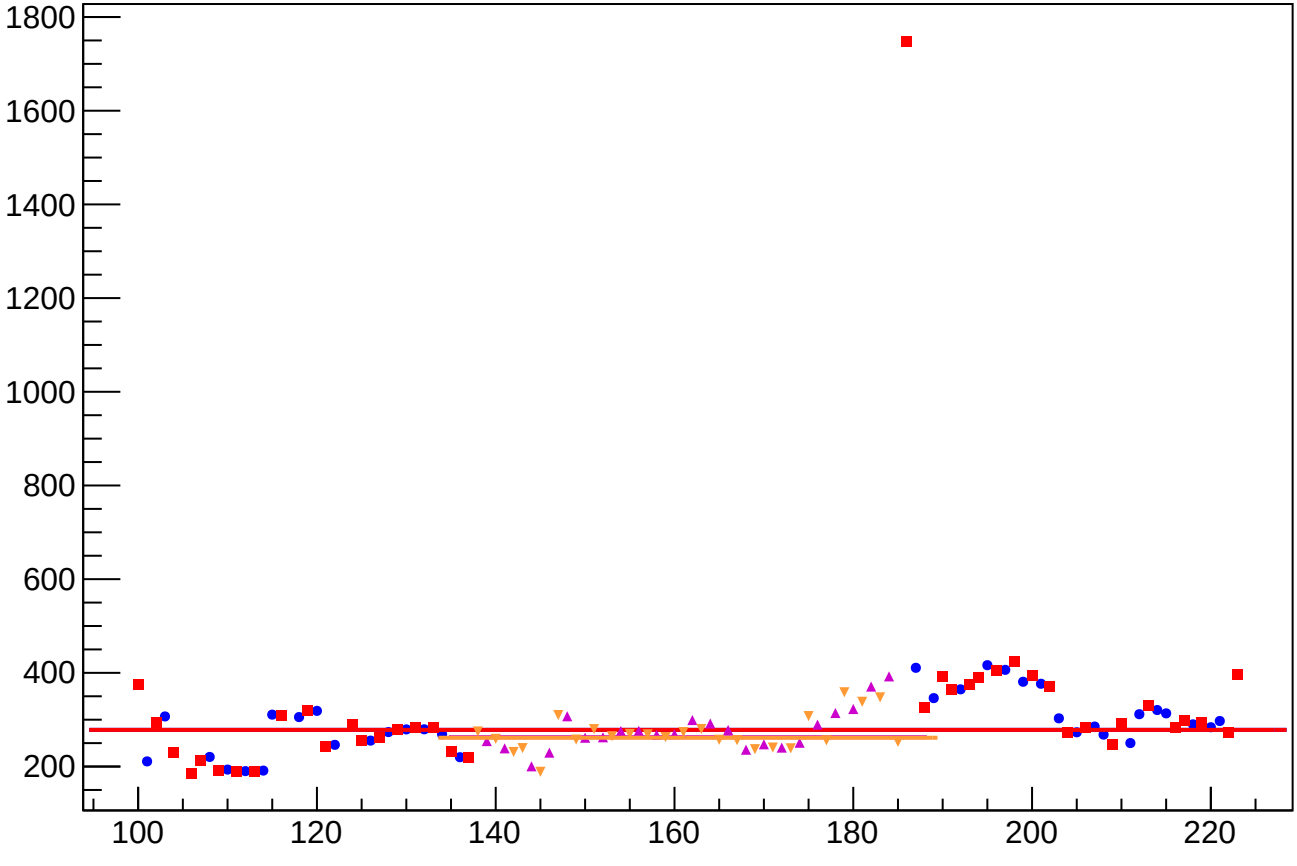
Right: -79.452+/-42.739 χ^2/NDF: 102.3/72

In: 147.009+/-43.392 χ^2/NDF:69.8/56

Out: 107.818+/-42.565 χ^2/NDF:138.0/63

All: 127.036+/-30.386 χ^2/NDF: 208.2/120

cor_asym_sam4_rms vs Slug, Sign Corrected



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

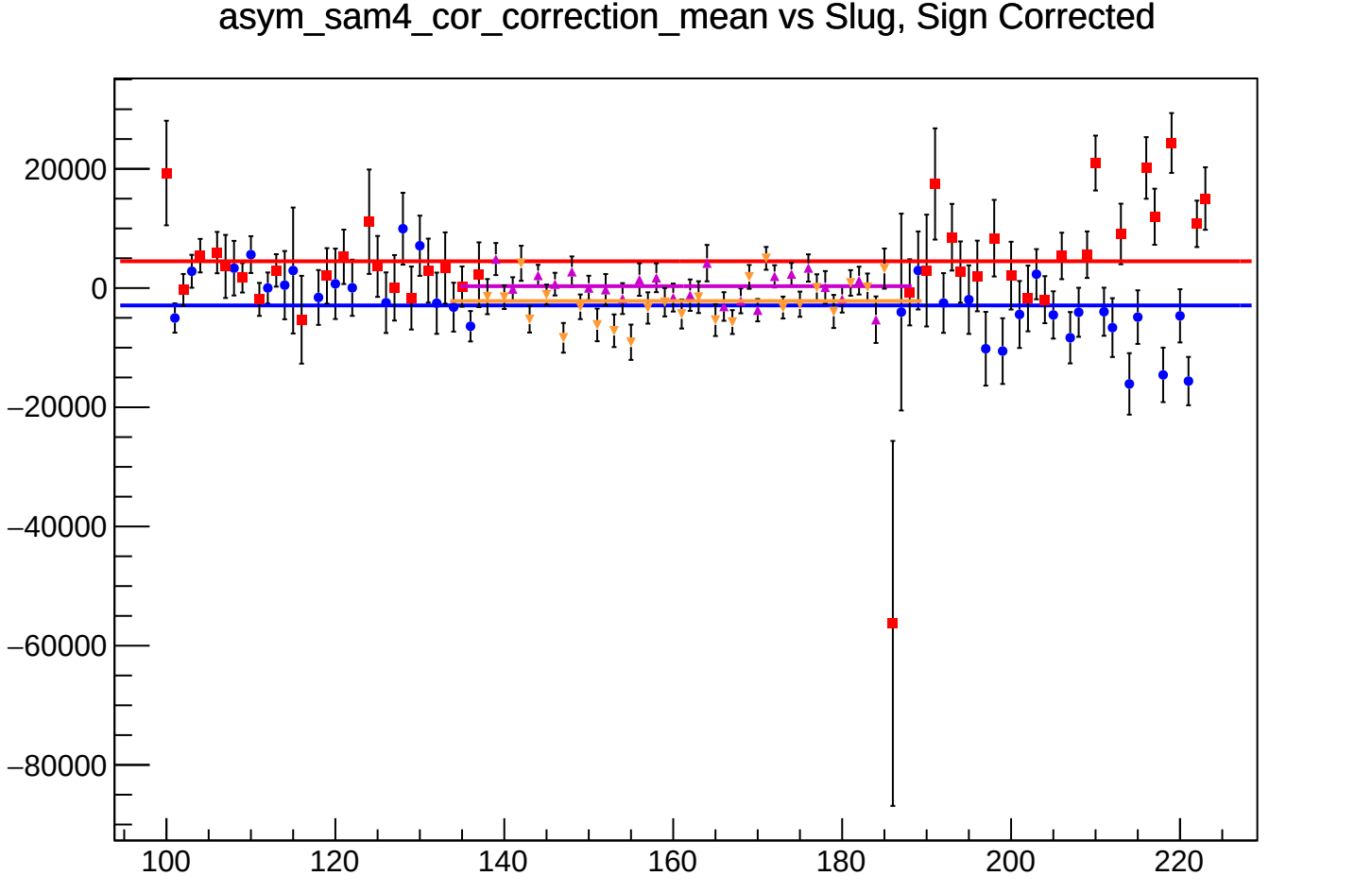
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 278.281+/-0.030 χ^2/NDF: 4382181.1/72

In: 270.658+/-0.031 χ^2/NDF:2404352.5/56

Out: 269.841+/-0.030 χ^2/NDF:3507026.7/63

All: 270.242+/-0.021 χ^2/NDF: 5911740.5/120



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

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

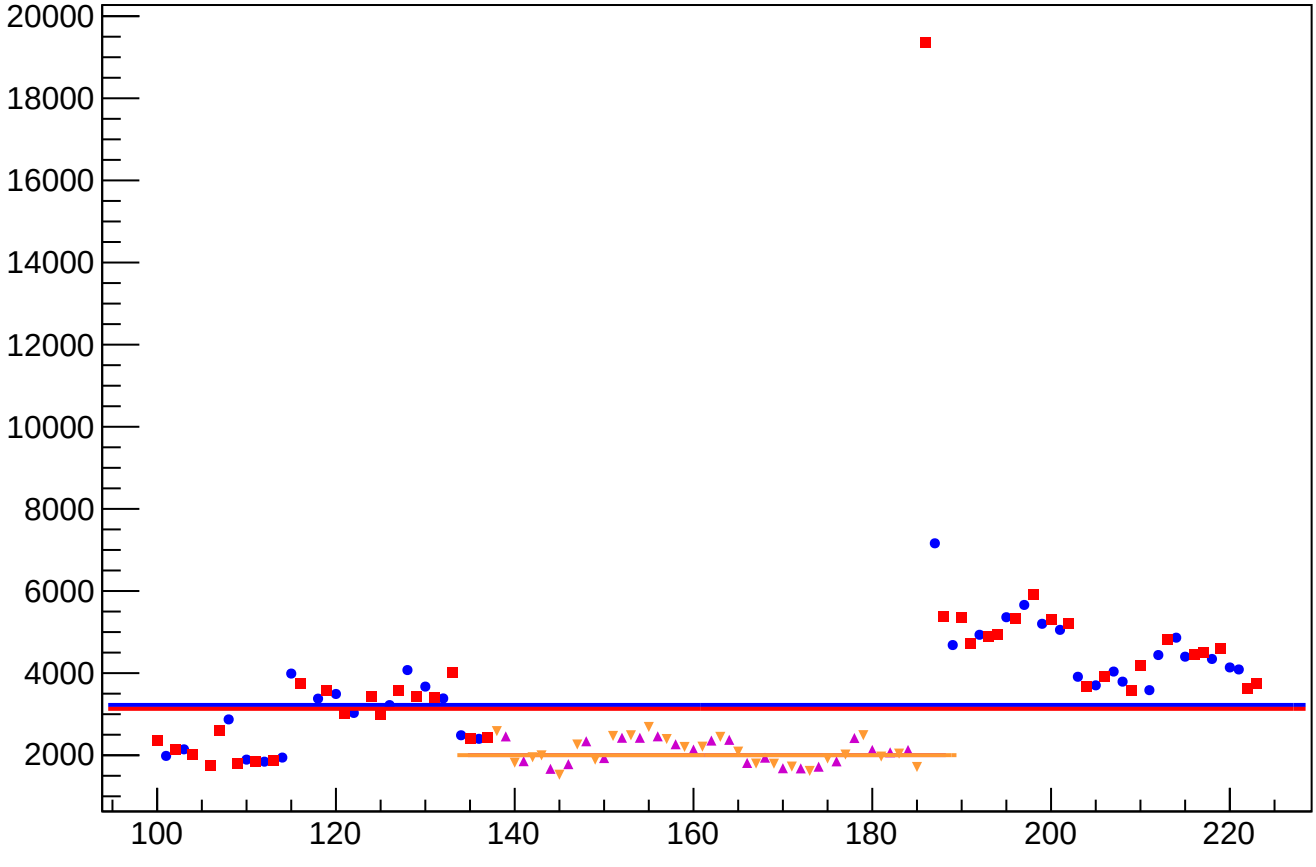
Right: 897.859+/-507.799 χ^2/NDF: 192.0/72

In: -646.130+/-397.384 χ^2/NDF:96.5/56

Out: -182.597+/-386.711 χ^2/NDF:197.5/63

All: -408.055+/-277.142 χ^2/NDF: 294.7/120

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



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

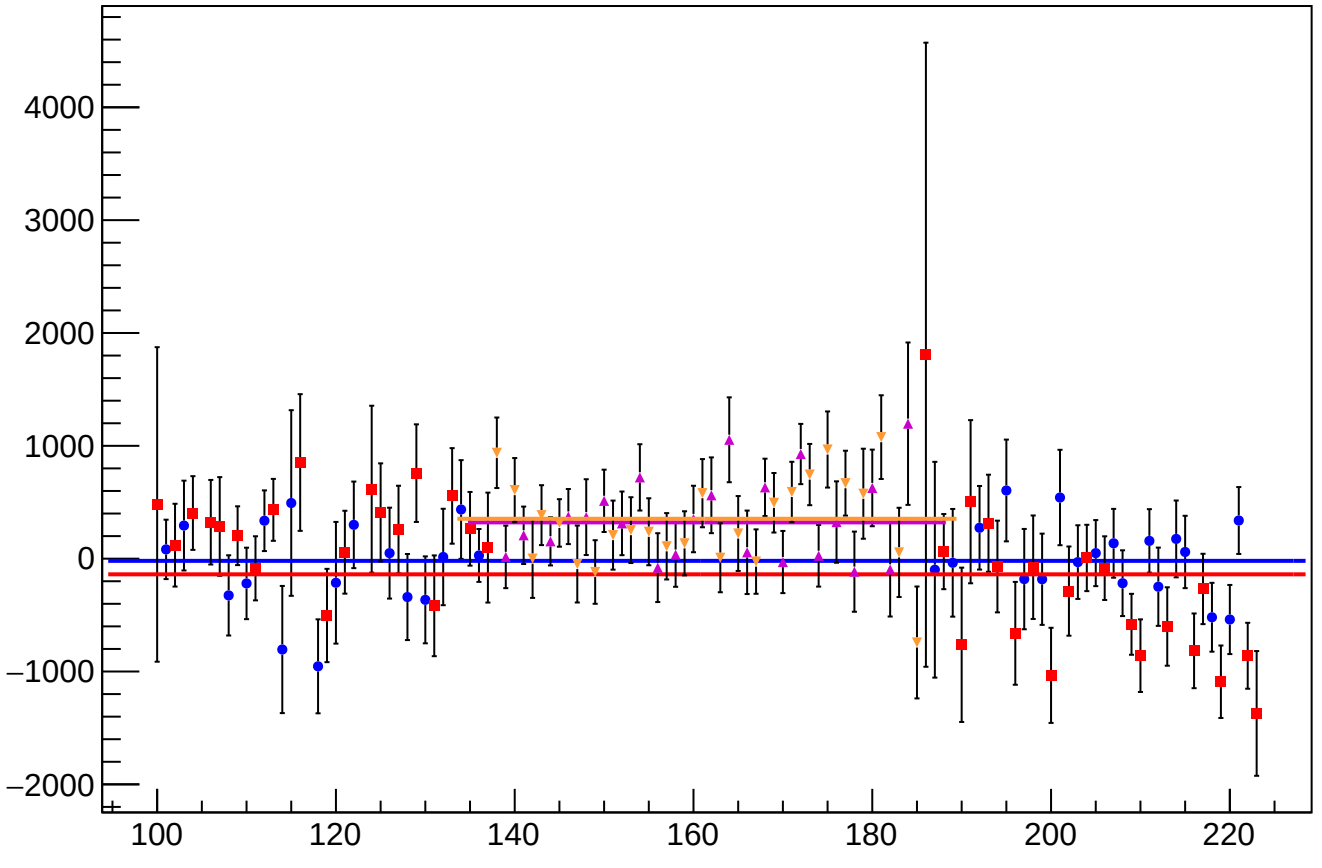
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 3176.629+/-0.359 χ^2/NDF: 11059953.0/72

In: 2367.408+/-0.281 χ^2/NDF:9329439.8/56

Out: 2338.833+/-0.273 χ^2/NDF:10821308.5/63

All: 2352.732+/-0.196 χ^2/NDF: 20156059.6/1



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

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

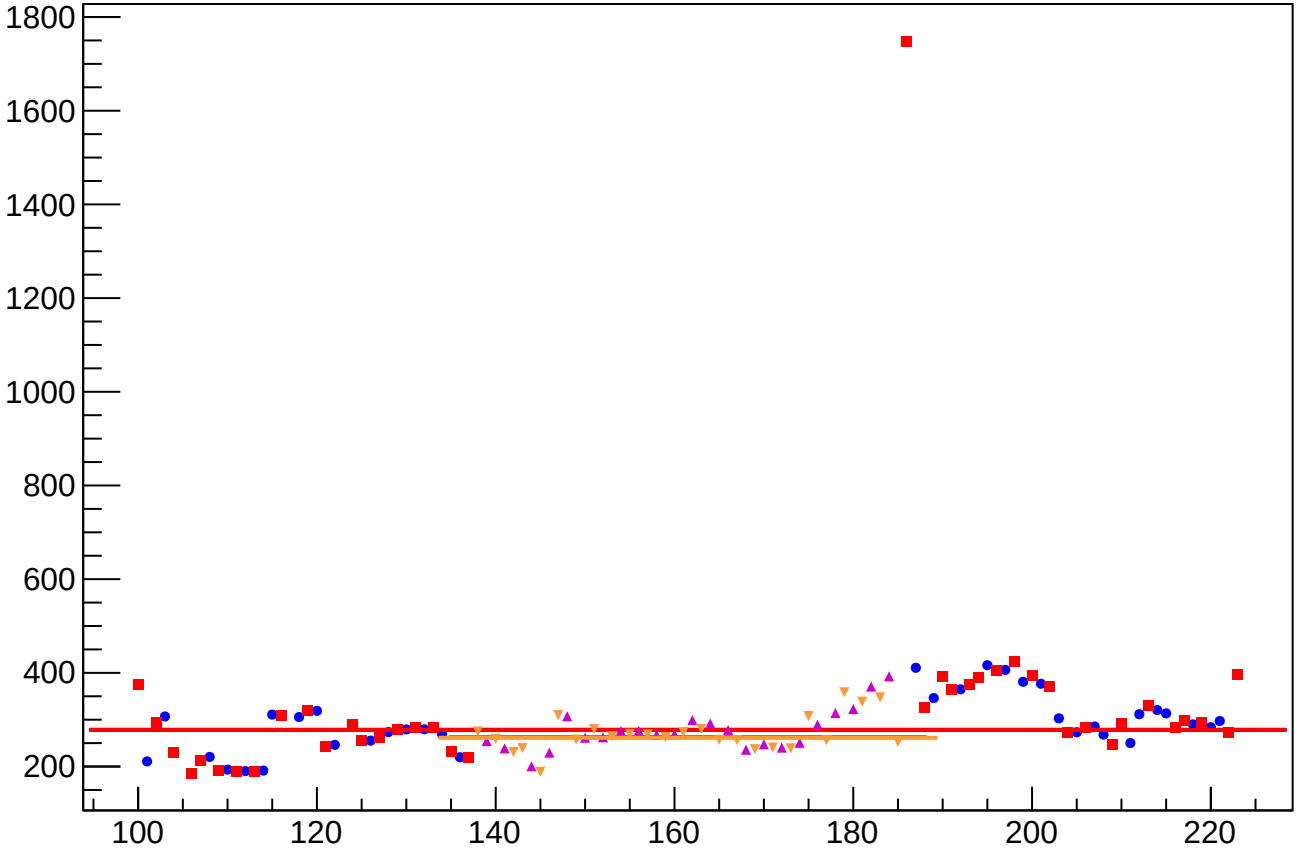
Right: -79.452+/-42.739 χ^2/NDF: 102.3/72

In: 147.009+/-43.392 χ^2/NDF:69.8/56

Out: 107.818+/-42.565 χ^2/NDF:138.0/63

All: 127.036+/-30.386 χ^2/NDF: 208.2/120

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



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

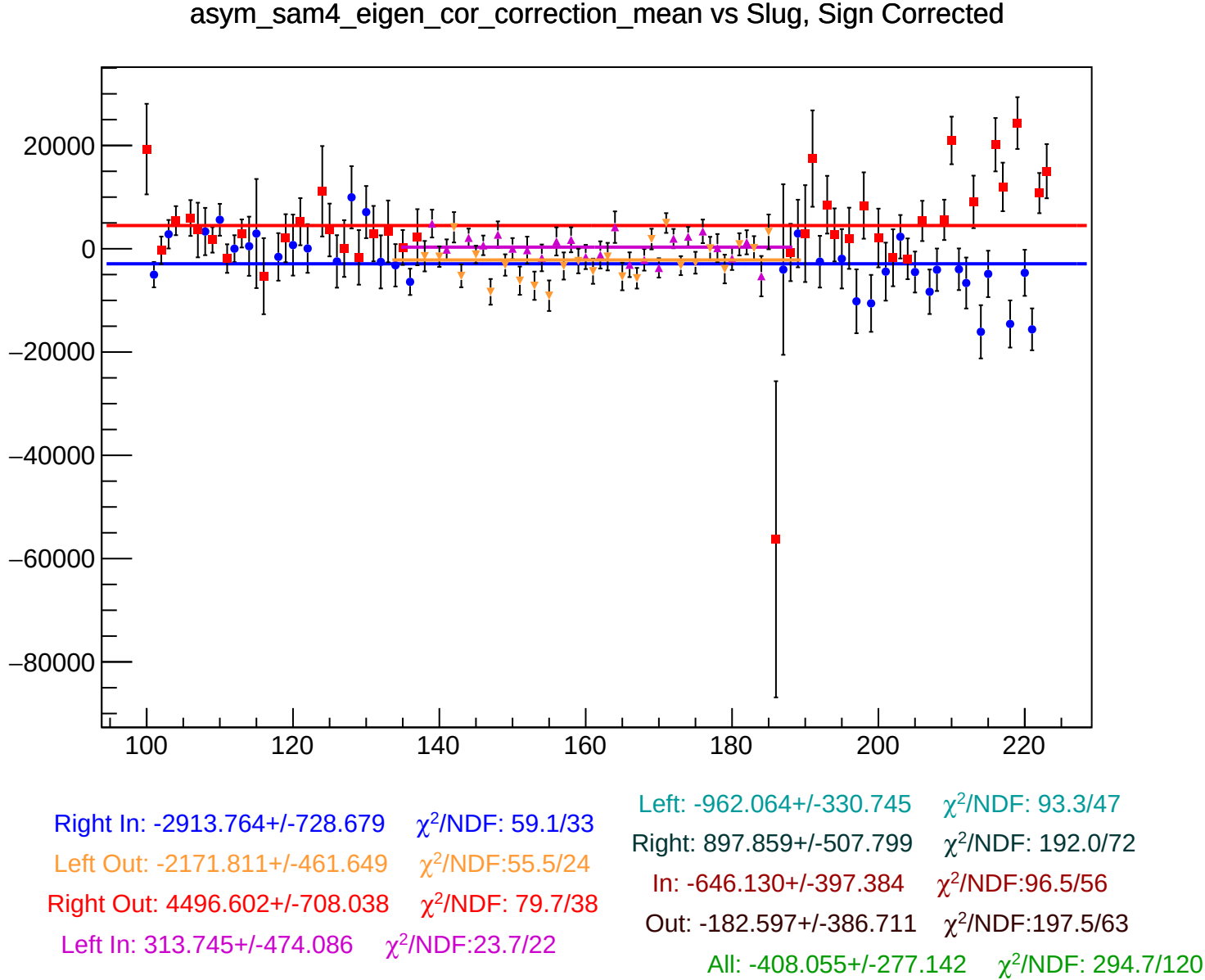
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

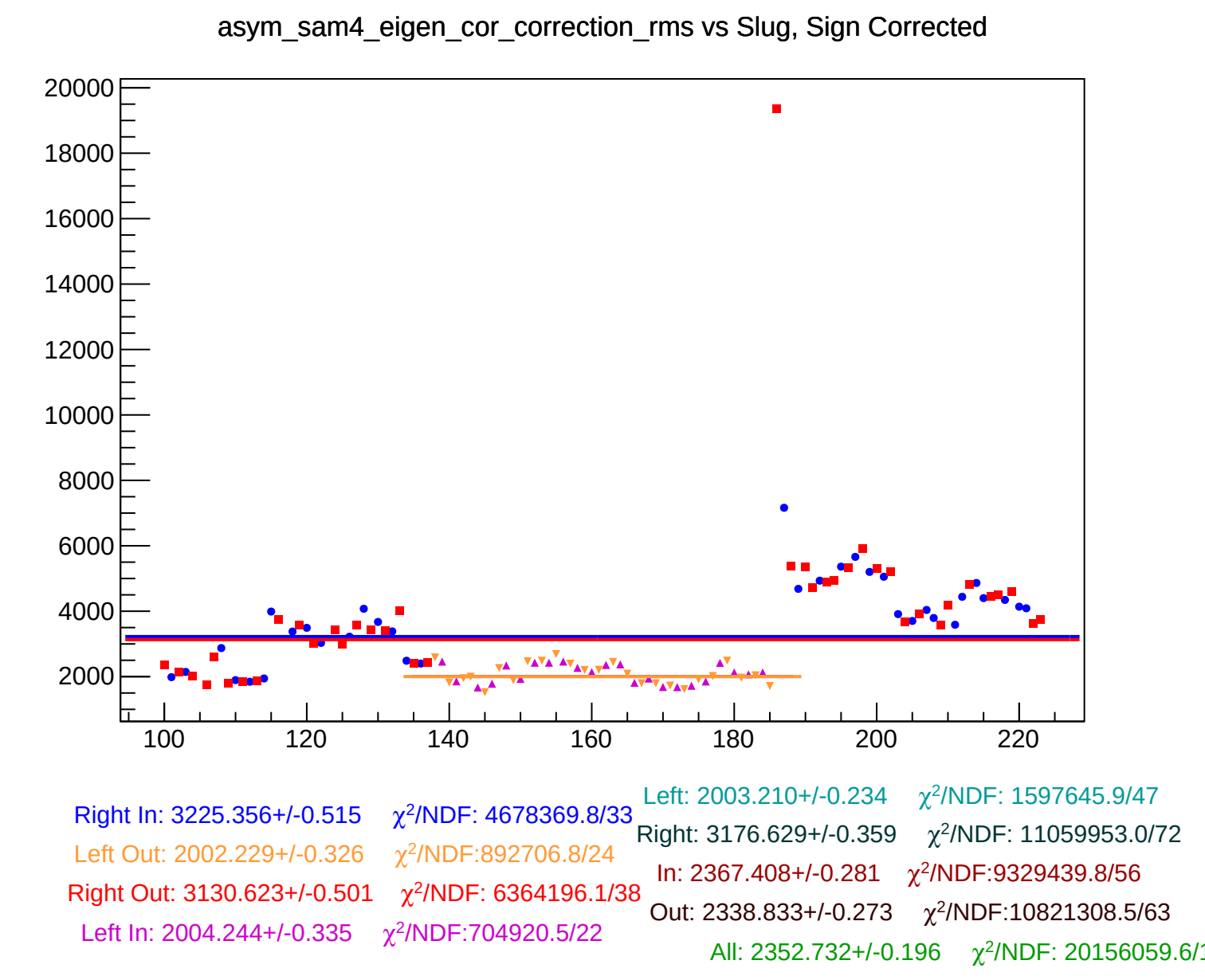
Right: 278.281+/-0.030 χ^2/NDF: 4382181.1/72

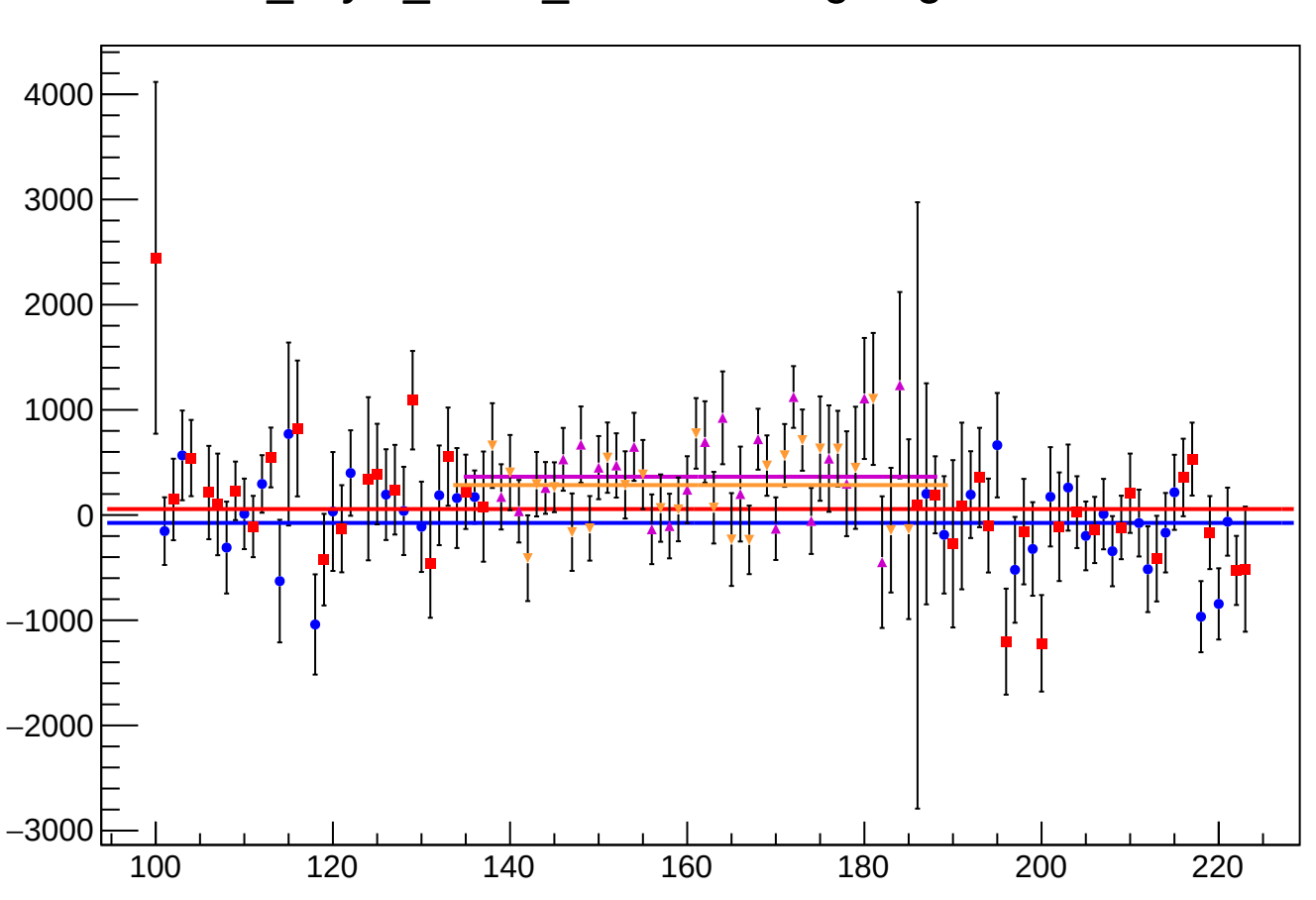
In: 270.658+/-0.031 χ^2/NDF:2404352.5/56

Out: 269.841+/-0.030 χ^2/NDF:3507026.7/63

All: 270.242+/-0.021 χ^2/NDF: 5911740.5/120


asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -2913.764+/-728.679 χ²/NDF: 59.1/33
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 4496.602+/-708.038 χ²/NDF: 79.7/38
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 897.859+/-507.799 χ²/NDF: 192.0/72
In: -646.130+/-397.384 χ²/NDF:96.5/56
Out: -182.597+/-386.711 χ²/NDF:197.5/63
All: -408.055+/-277.142 χ²/NDF: 294.7/120


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 3225.356+/-0.515 χ²/NDF: 4678369.8/33
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 3130.623+/-0.501 χ²/NDF: 6364196.1/38
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 3176.629+/-0.359 χ²/NDF: 11059953.0/72
In: 2367.408+/-0.281 χ²/NDF:9329439.8/56
Out: 2338.833+/-0.273 χ²/NDF:10821308.5/63
All: 2352.732+/-0.196 χ²/NDF: 20156059.6/



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

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

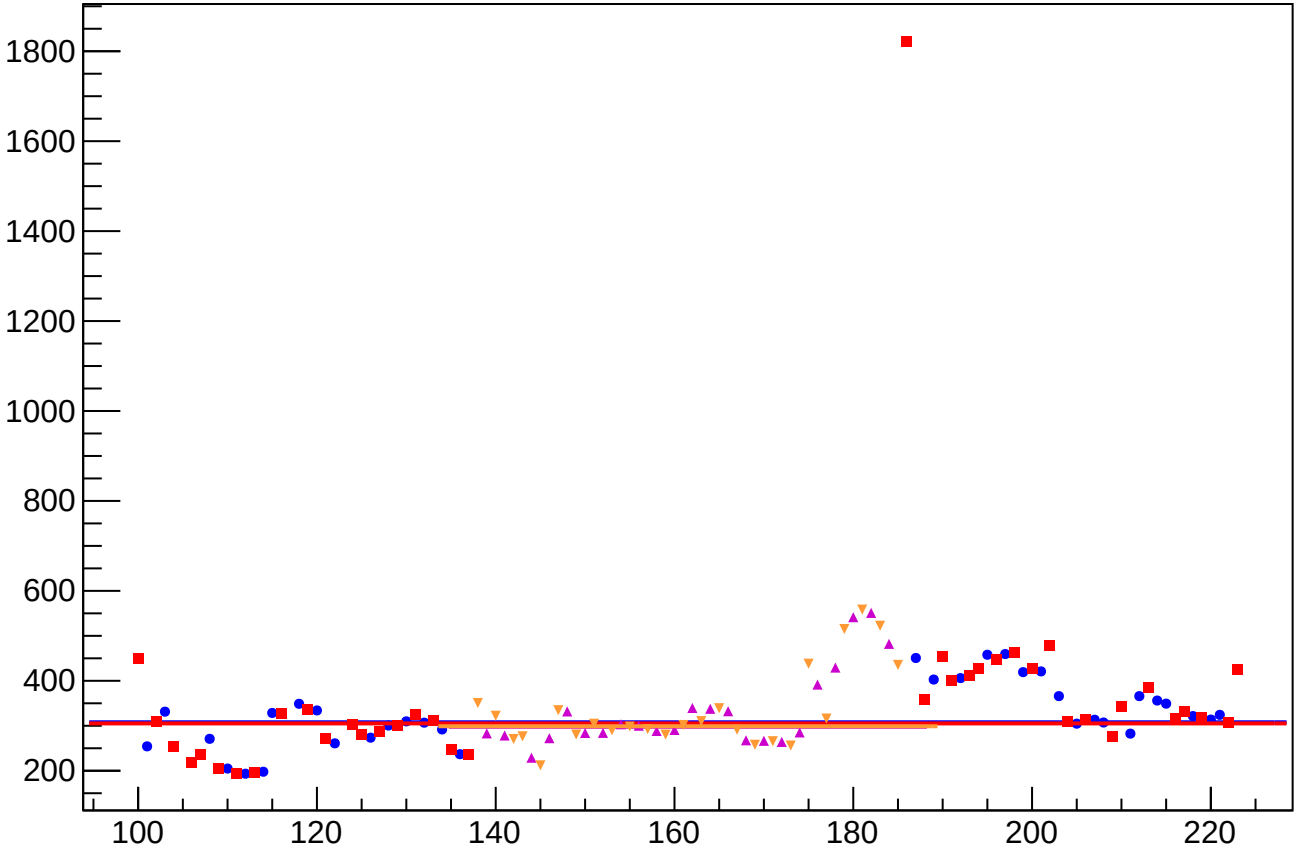
Right: -8.183+/-47.339 χ^2/NDF: 78.4/72

In: 130.976+/-49.113 χ^2/NDF:81.6/56

Out: 165.000+/-48.227 χ^2/NDF:71.4/63

All: 148.298+/-34.410 χ^2/NDF: 153.3/120

dit_asym_sam4_rms vs Slug, Sign Corrected



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

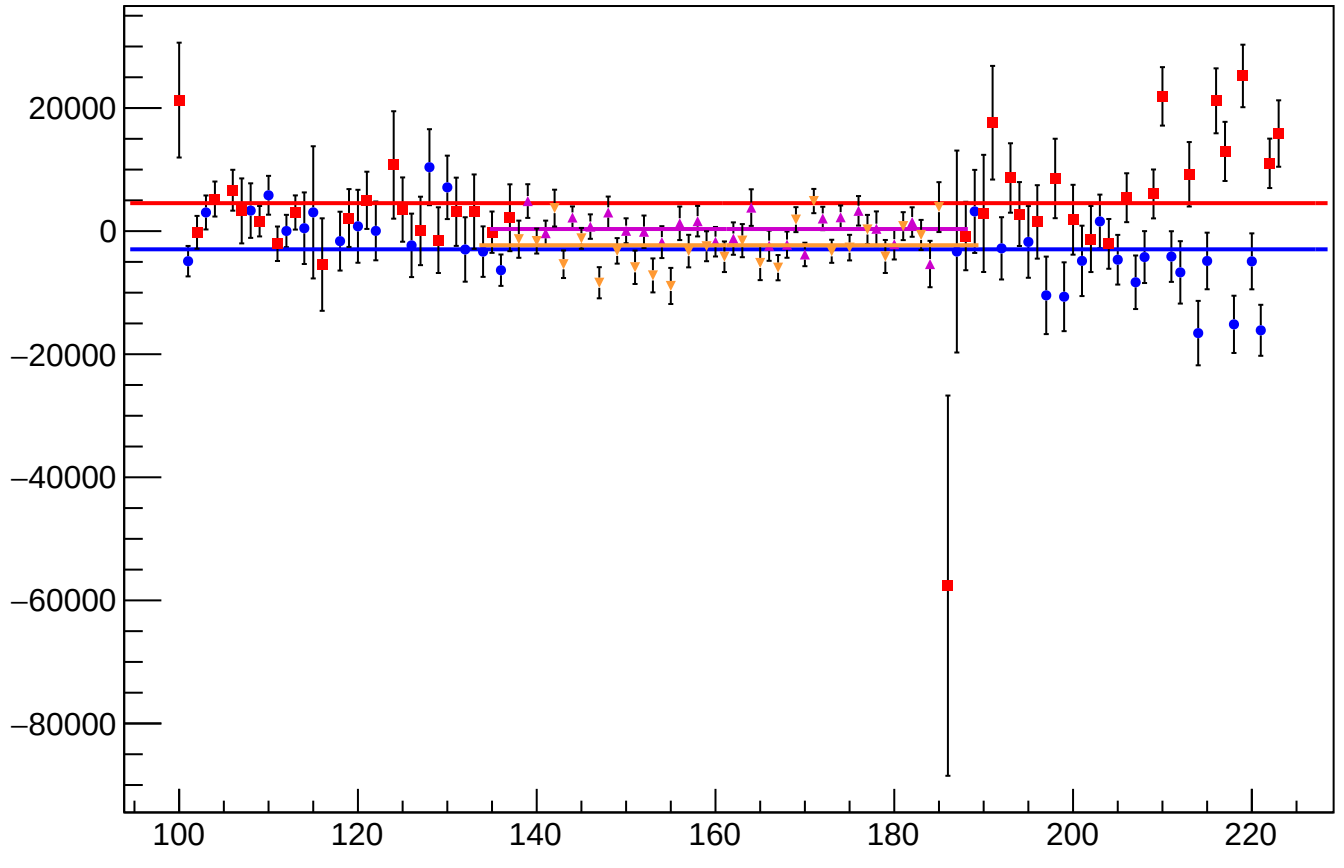
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 306.510+/-0.033 χ^2/NDF: 4922713.2/72

In: 303.159+/-0.035 χ^2/NDF:3221973.2/56

Out: 302.251+/-0.034 χ^2/NDF:4660273.4/63

All: 302.696+/-0.024 χ^2/NDF: 7882594.8/120



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

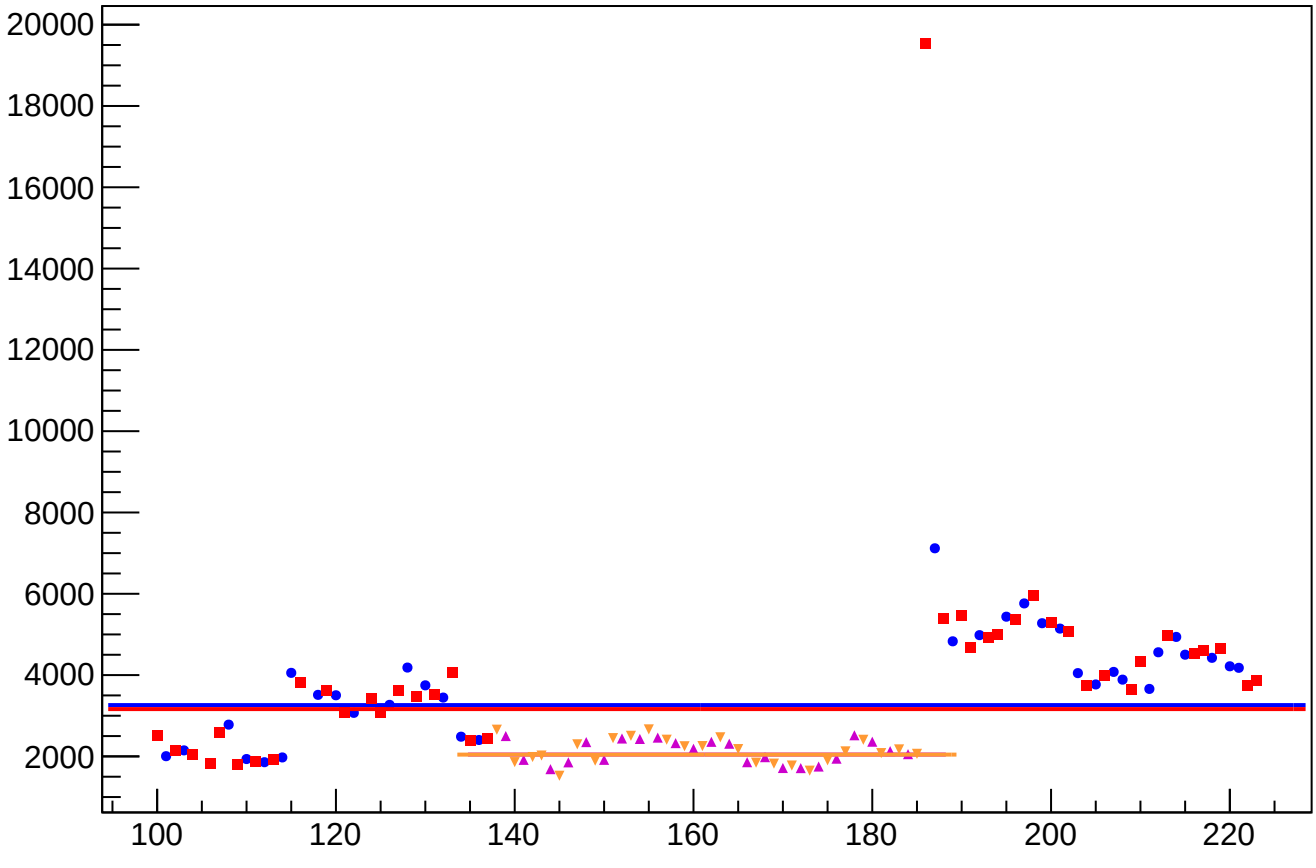
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 914.702+/-513.464 χ^2/NDF: 197.5/72

In: -648.211+/-404.501 χ^2/NDF:96.8/56

Out: -224.331+/-393.017 χ^2/NDF:199.7/63

All: -430.169+/-281.877 χ^2/NDF: 297.1/120



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

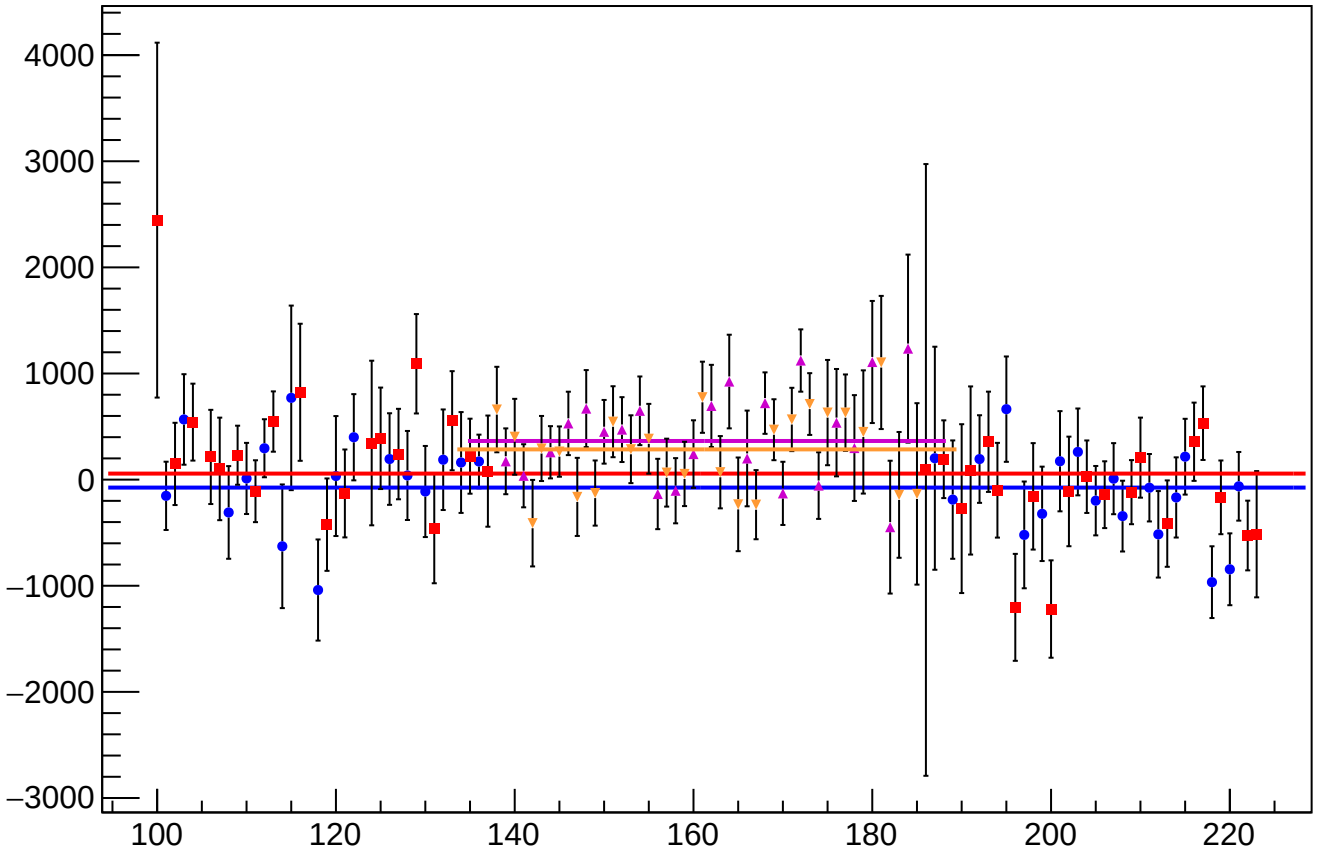
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 3211.295+/-0.363 χ^2/NDF: 11240383.9/72

In: 2410.729+/-0.286 χ^2/NDF:9313217.7/56

Out: 2382.283+/-0.278 χ^2/NDF:10681574.2/63

All: 2396.097+/-0.199 χ^2/NDF: 19999879.5/1



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

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

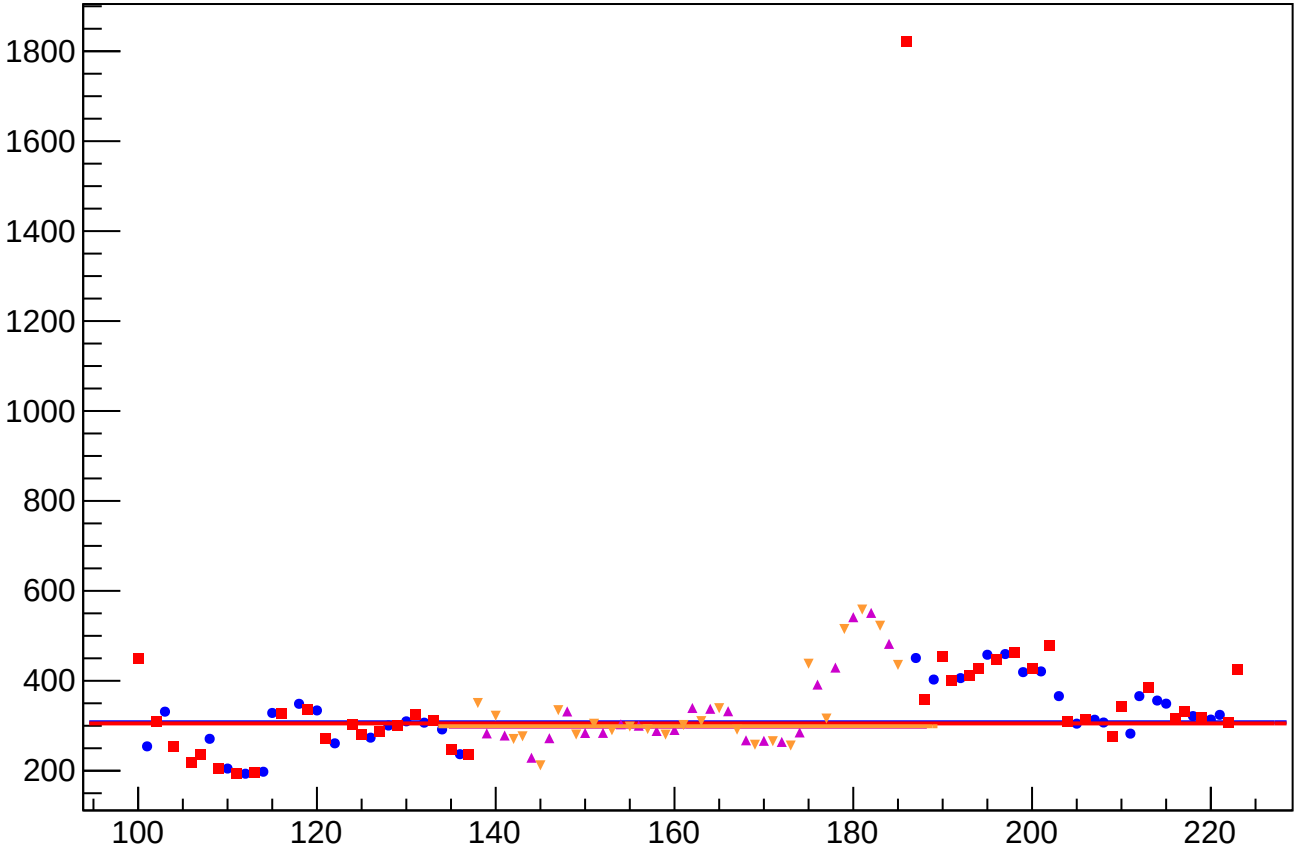
Right: -8.183+/-47.339 χ^2/NDF: 78.4/72

In: 130.980+/-49.113 χ^2/NDF:81.6/56

Out: 164.998+/-48.227 χ^2/NDF:71.4/63

All: 148.299+/-34.410 χ^2/NDF: 153.3/120

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



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

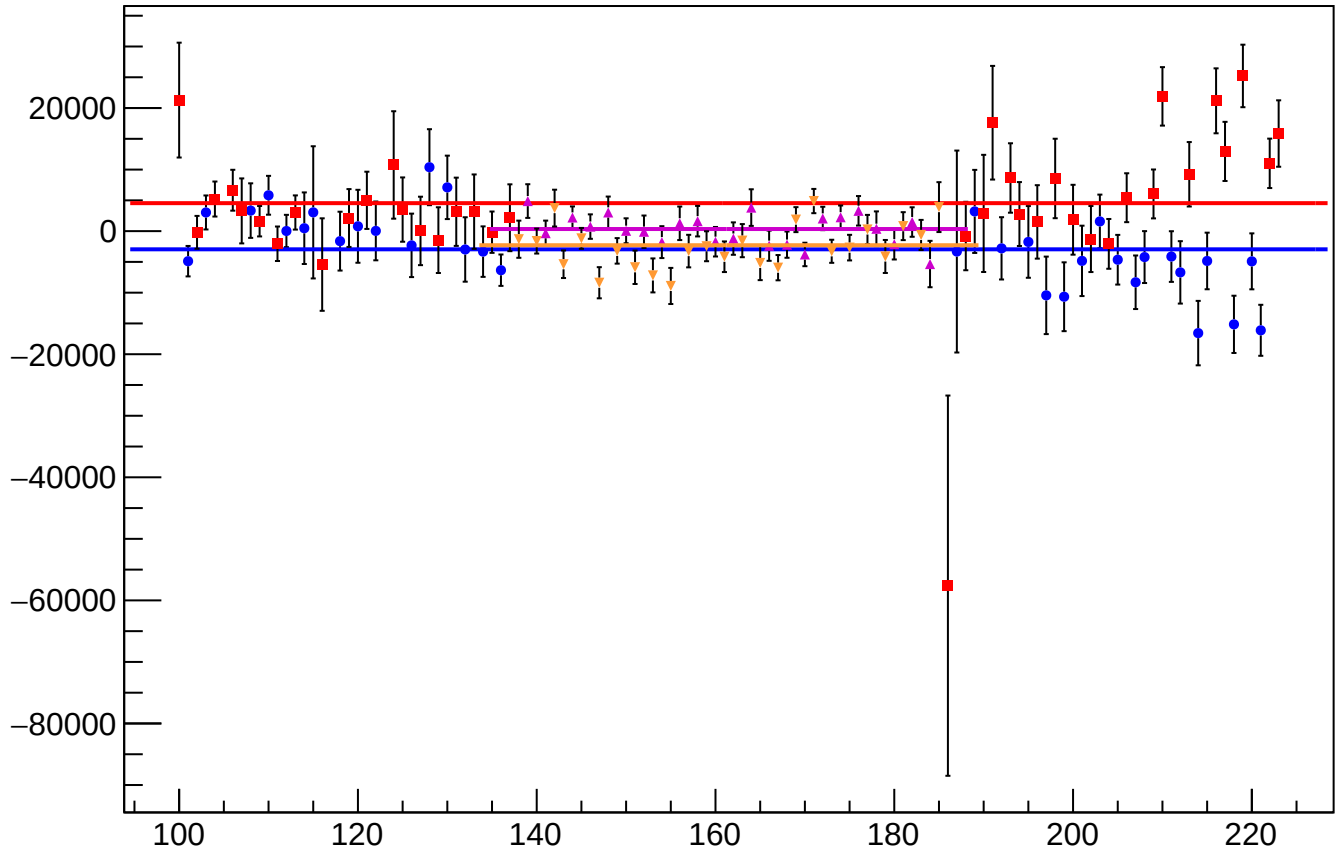
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 306.510+/-0.033 χ^2/NDF: 4922691.9/72

In: 303.159+/-0.035 χ^2/NDF:3221930.9/56

Out: 302.251+/-0.034 χ^2/NDF:4660269.8/63

All: 302.696+/-0.024 χ^2/NDF: 7882548.9/120



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

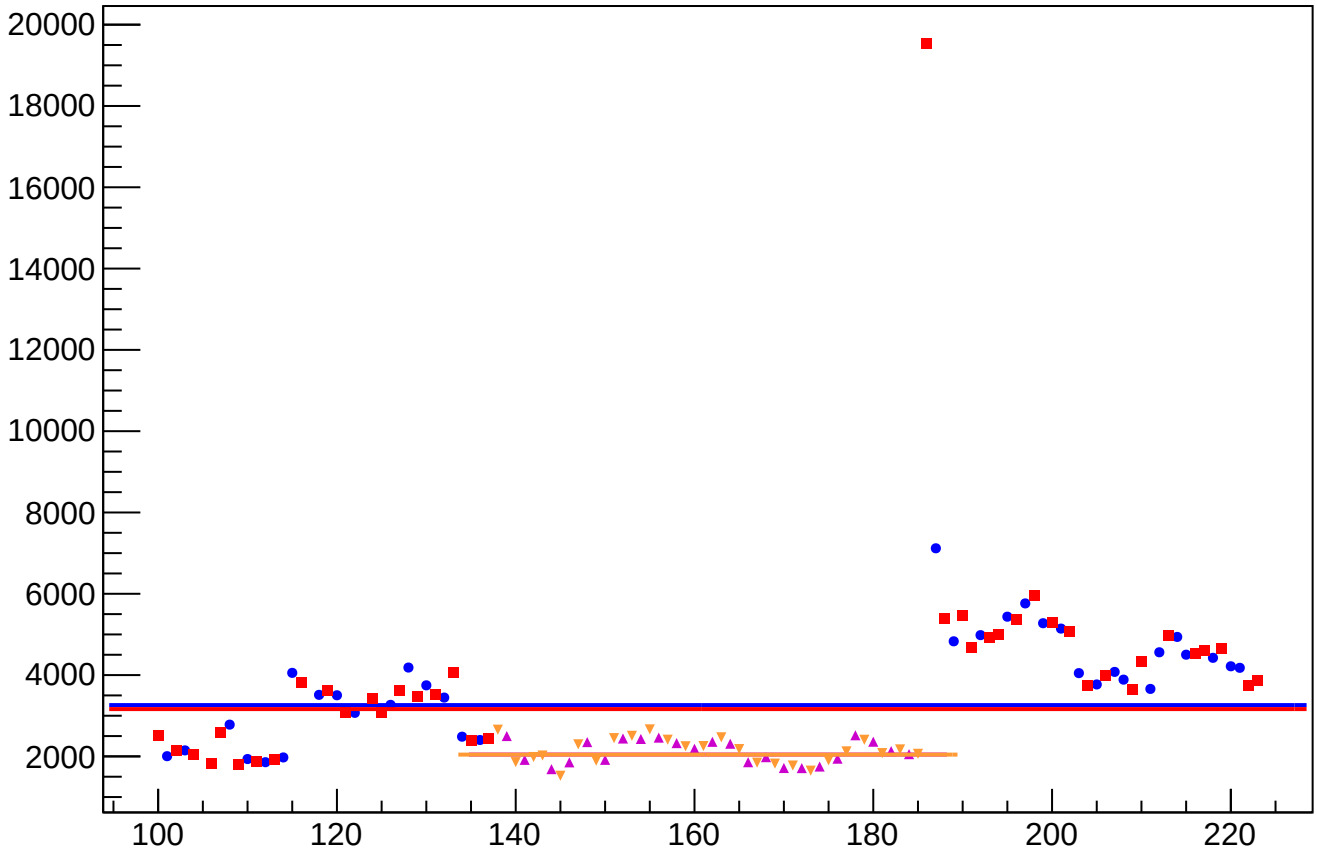
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 914.700+/-513.464 χ^2/NDF: 197.5/72

In: -648.212+/-404.500 χ^2/NDF:96.8/56

Out: -224.330+/-393.017 χ^2/NDF:199.7/63

All: -430.169+/-281.877 χ^2/NDF: 297.1/120



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

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

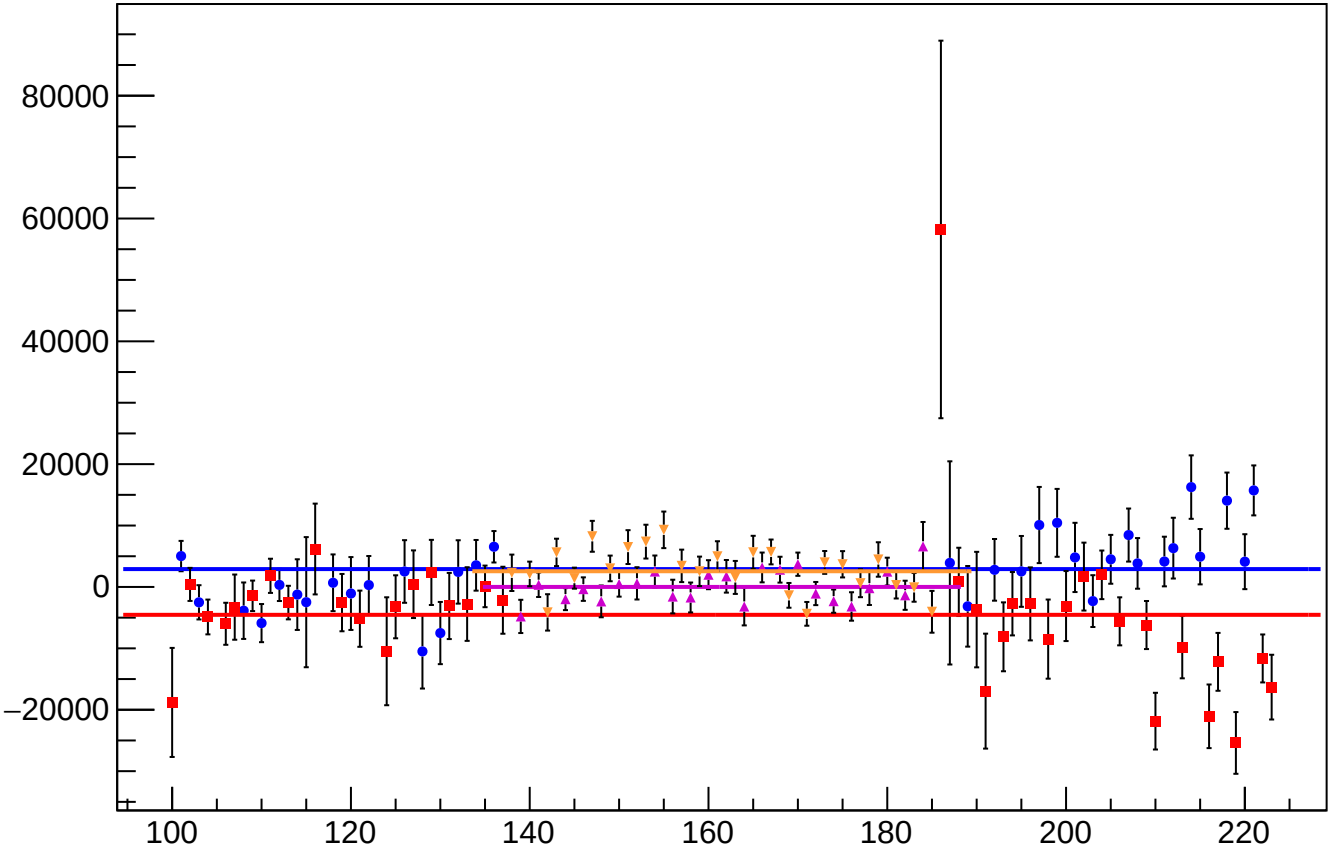
Right: 3211.293+/-0.363 χ^2/NDF: 11240373.1/72

In: 2410.726+/-0.286 χ^2/NDF:9313220.7/56

Out: 2382.280+/-0.278 χ^2/NDF:10681582.7/63

All: 2396.094+/-0.199 χ^2/NDF: 19999891.1/1

asym_sam4_mean vs Slug, Sign Corrected



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

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

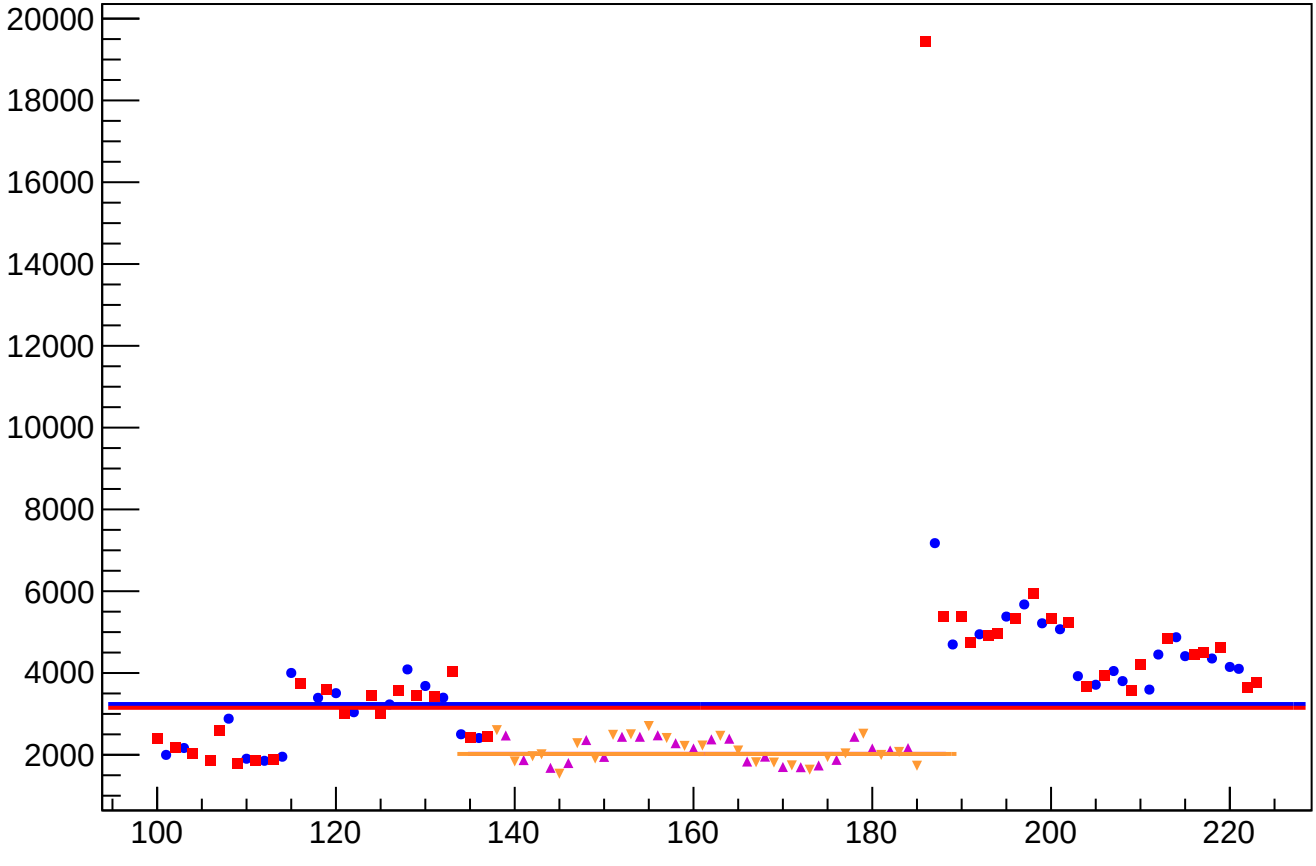
Right: -924.754+/-509.853 χ^2/NDF: 199.5/72

In: 873.564+/-400.507 χ^2/NDF:95.3/56

Out: 424.985+/-389.660 χ^2/NDF:209.1/63

All: 643.118+/-279.288 χ^2/NDF: 305.0/120

asym_sam4_rms vs Slug, Sign Corrected



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

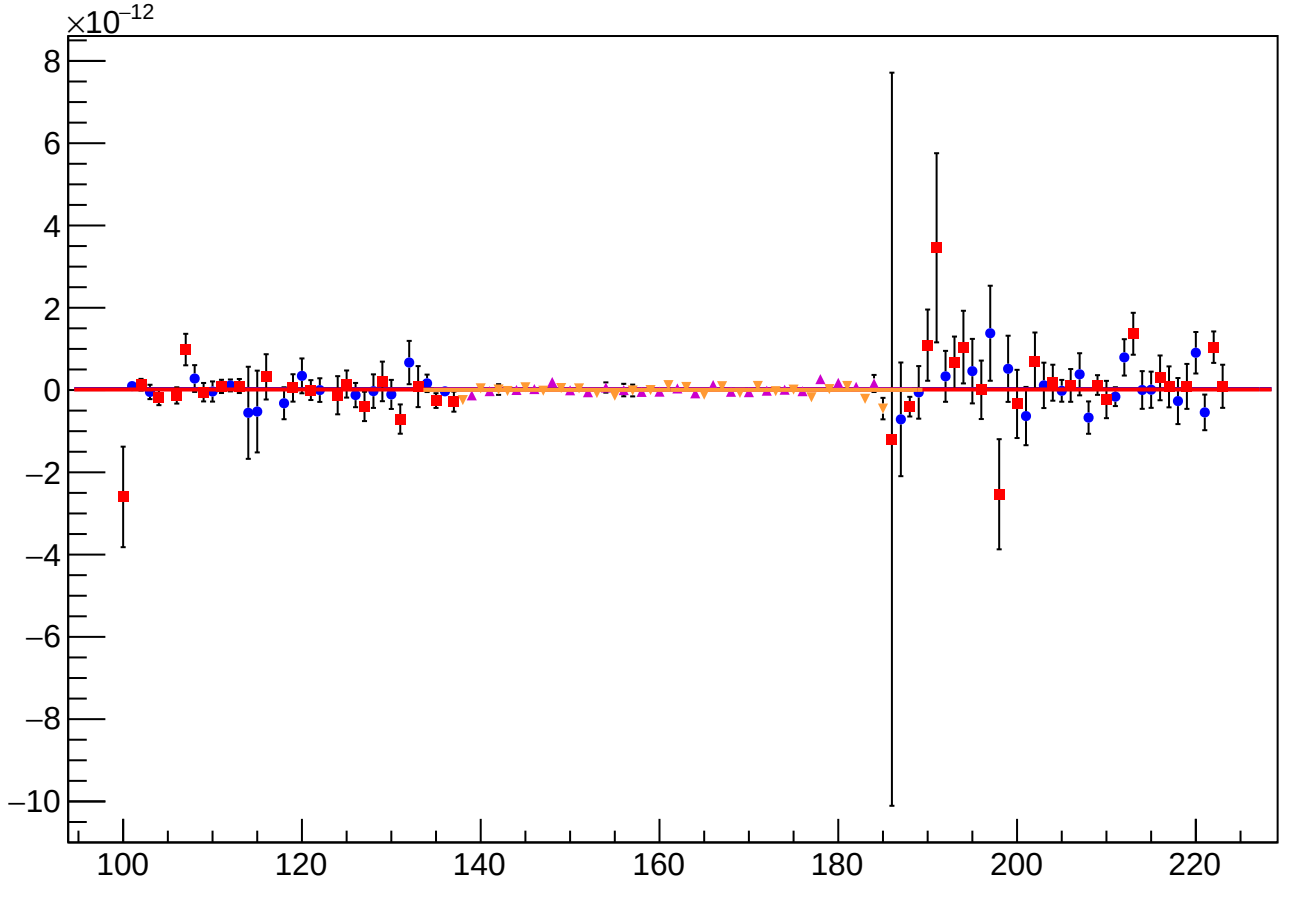
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3193.969+/-0.361 χ^2/NDF: 10931351.6/72

In: 2388.042+/-0.283 χ^2/NDF:9212811.8/56

Out: 2360.394+/-0.276 χ^2/NDF:10684537.5/63

All: 2373.839+/-0.197 χ^2/NDF: 19902245.4/1



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

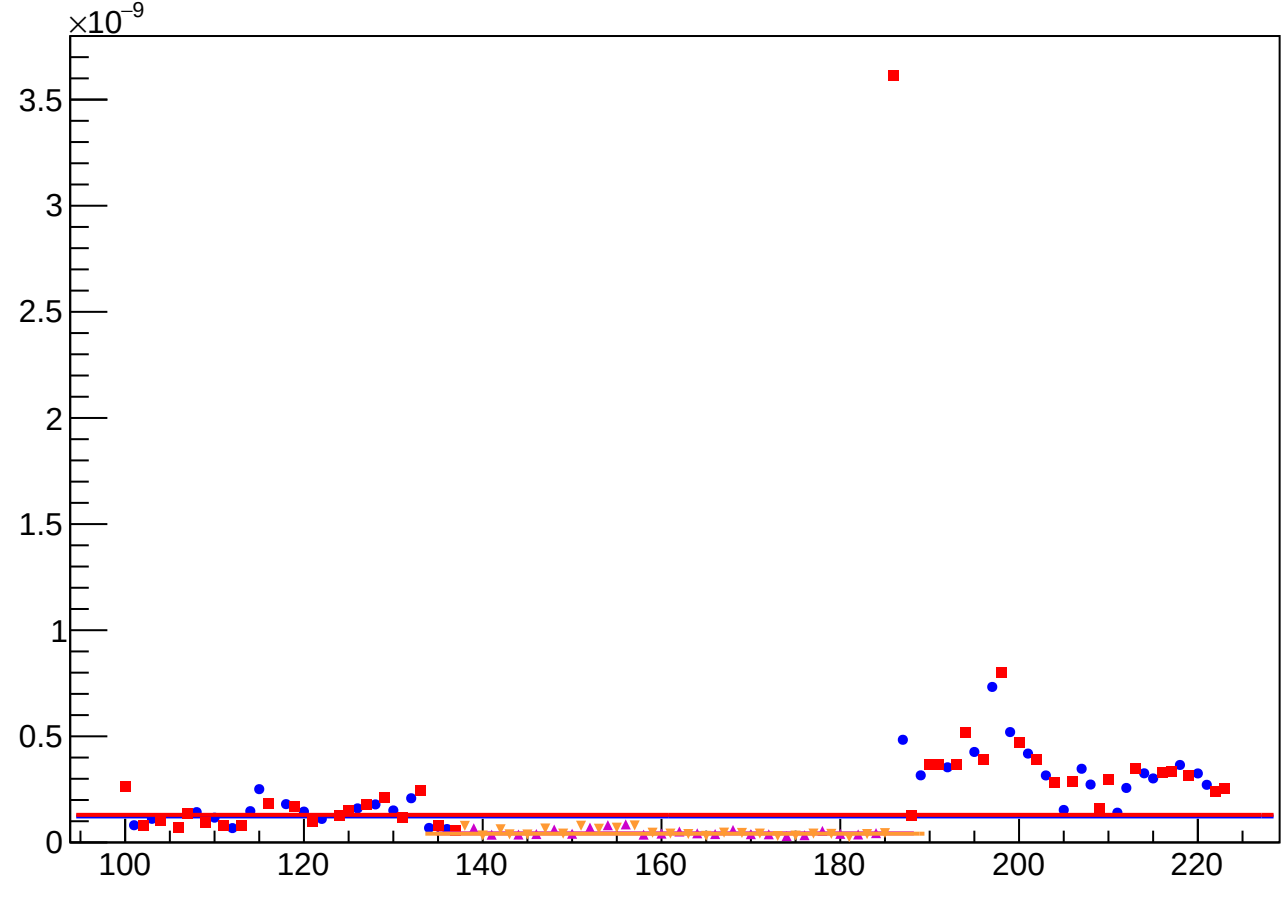
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 75.2/72

In: 0.000+/-0.000 χ^2/NDF:42.9/56

Out: 0.000+/-0.000 χ^2/NDF:85.2/63

All: 0.000+/-0.000 χ^2/NDF: 128.3/120



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

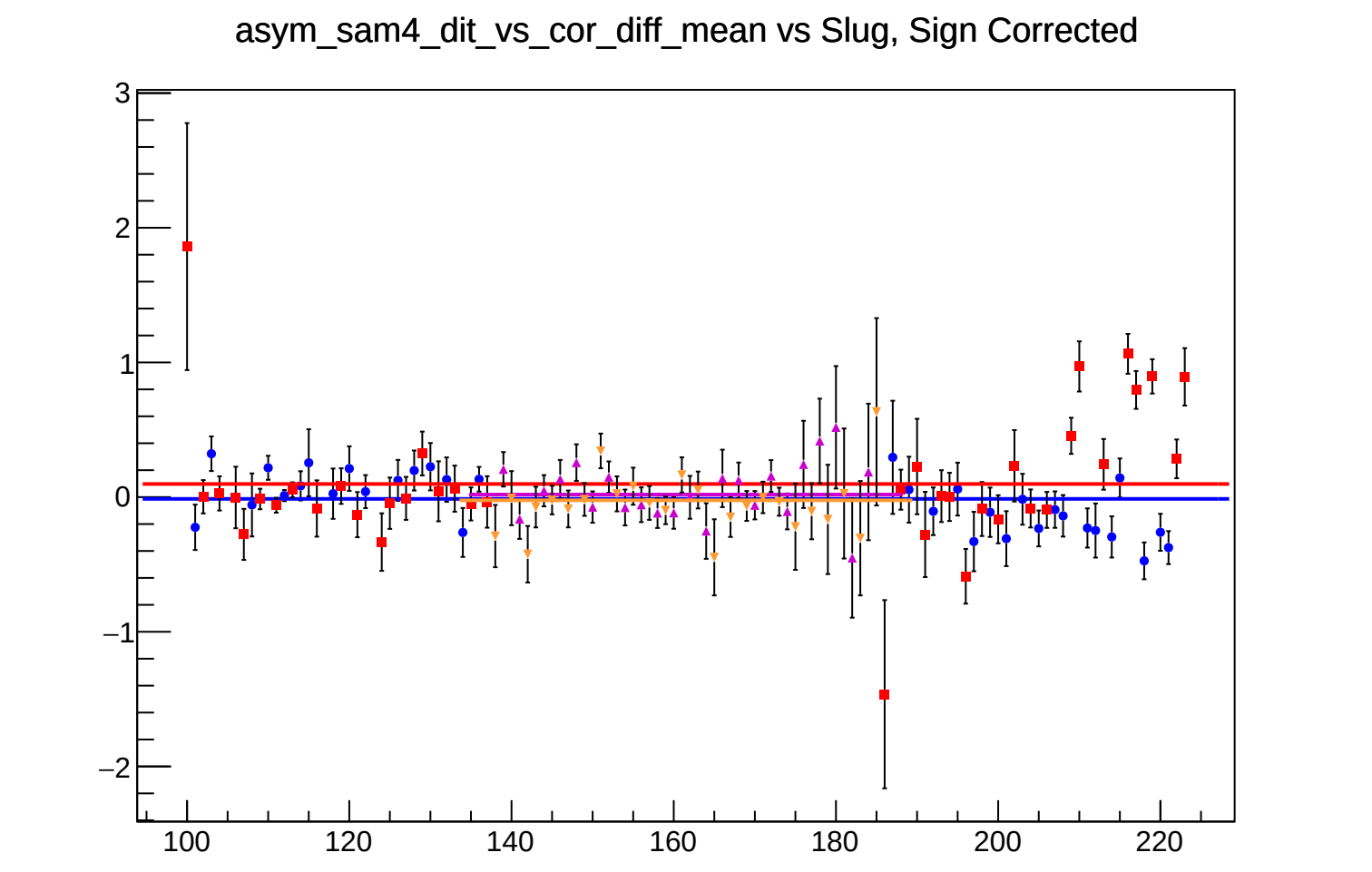
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 13235833.3/72

In: 0.000+/-0.000 χ^2/NDF:12735942.3/56

Out: 0.000+/-0.000 χ^2/NDF:13500401.4/63

All: 0.000+/-0.000 χ^2/NDF: 26262120.5/120



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

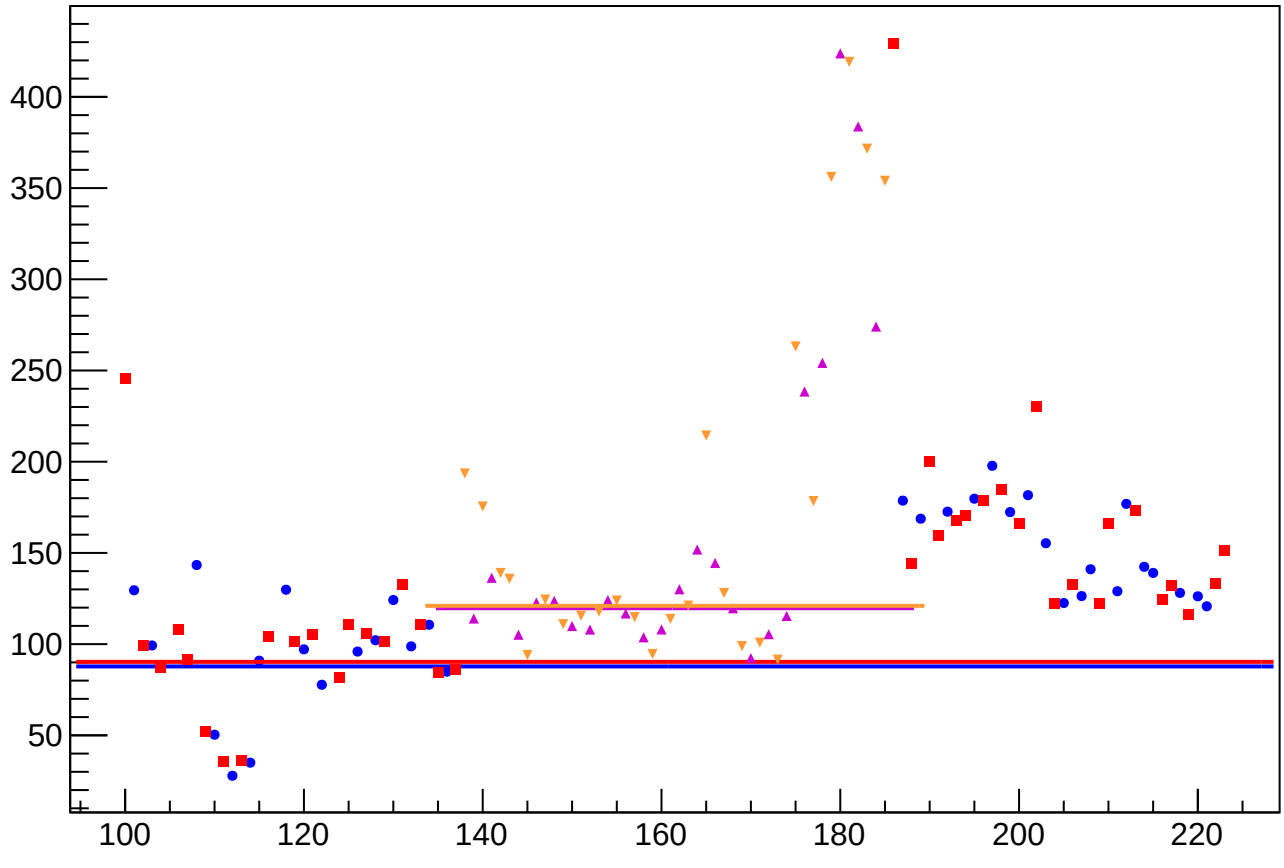
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.042+/-0.016 χ^2/NDF: 291.3/72

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.055+/-0.018 χ^2/NDF:241.6/63

All: 0.026+/-0.013 χ^2/NDF: 340.5/120



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

Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

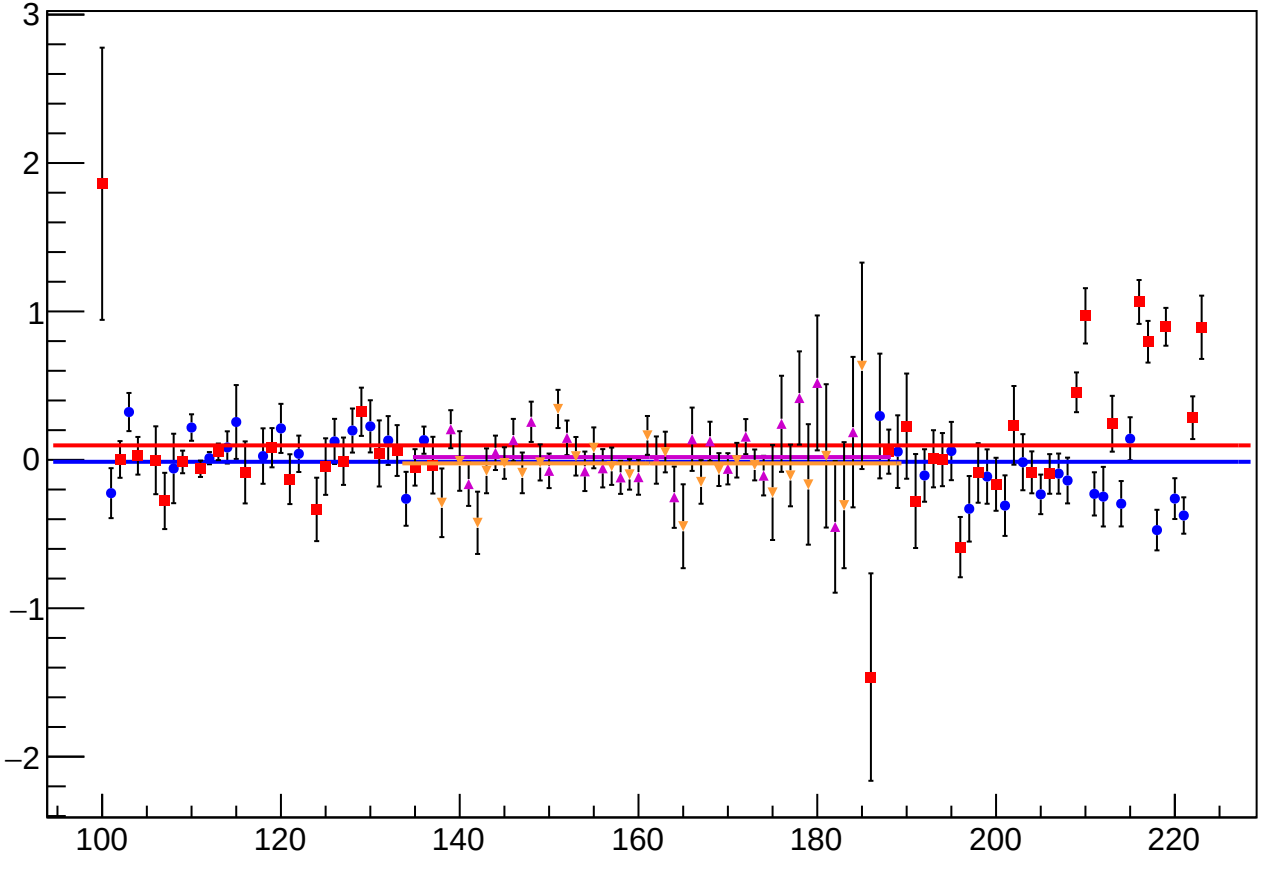
Right: 89.034+/-0.011 χ^2/NDF: 20464926.9/72

In: 98.911+/-0.013 χ^2/NDF:14766824.7/56

Out: 101.111+/-0.013 χ^2/NDF:15435658.3/63

All: 100.017+/-0.009 χ^2/NDF: 30217750.3/12

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

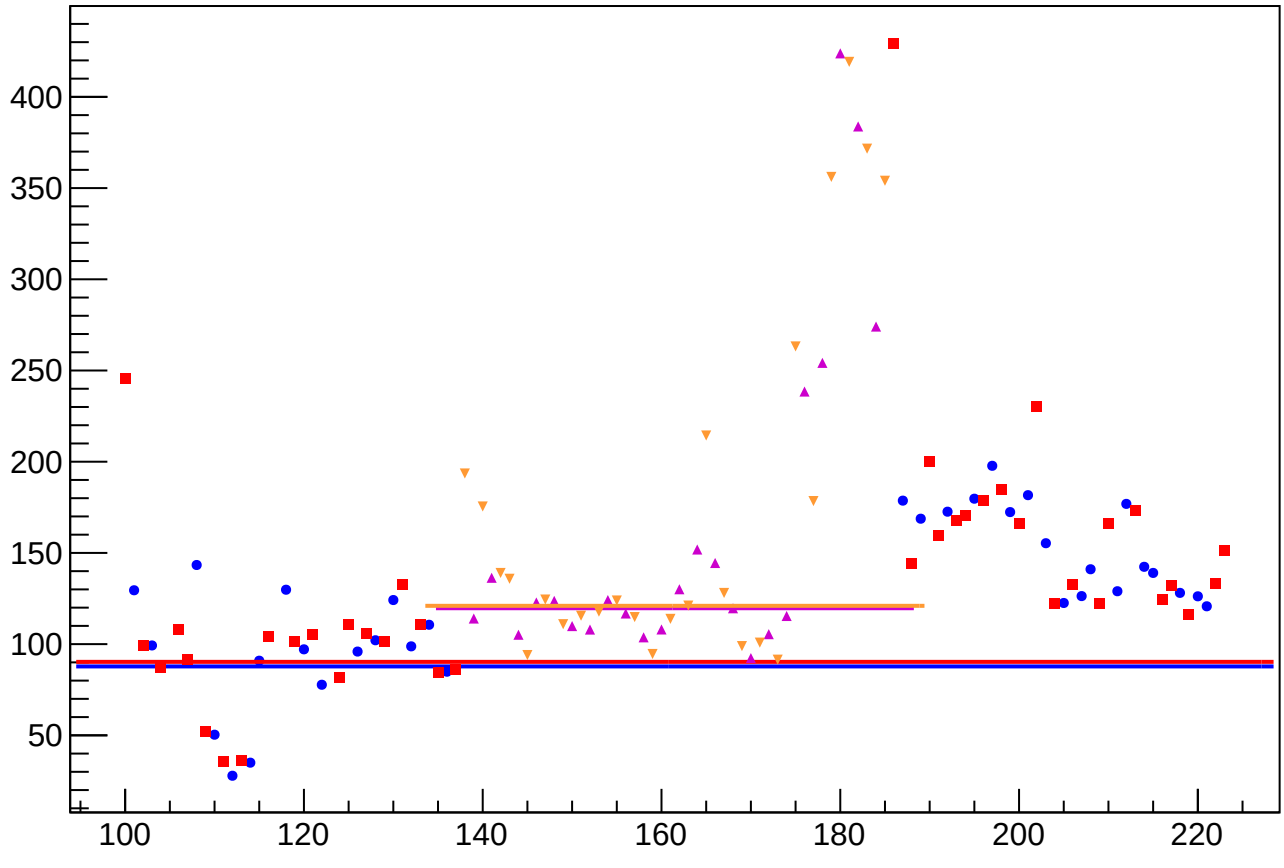
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.042+/-0.016 χ^2/NDF: 291.3/72

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.055+/-0.018 χ^2/NDF:241.6/63

All: 0.026+/-0.013 χ^2/NDF: 340.5/120



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

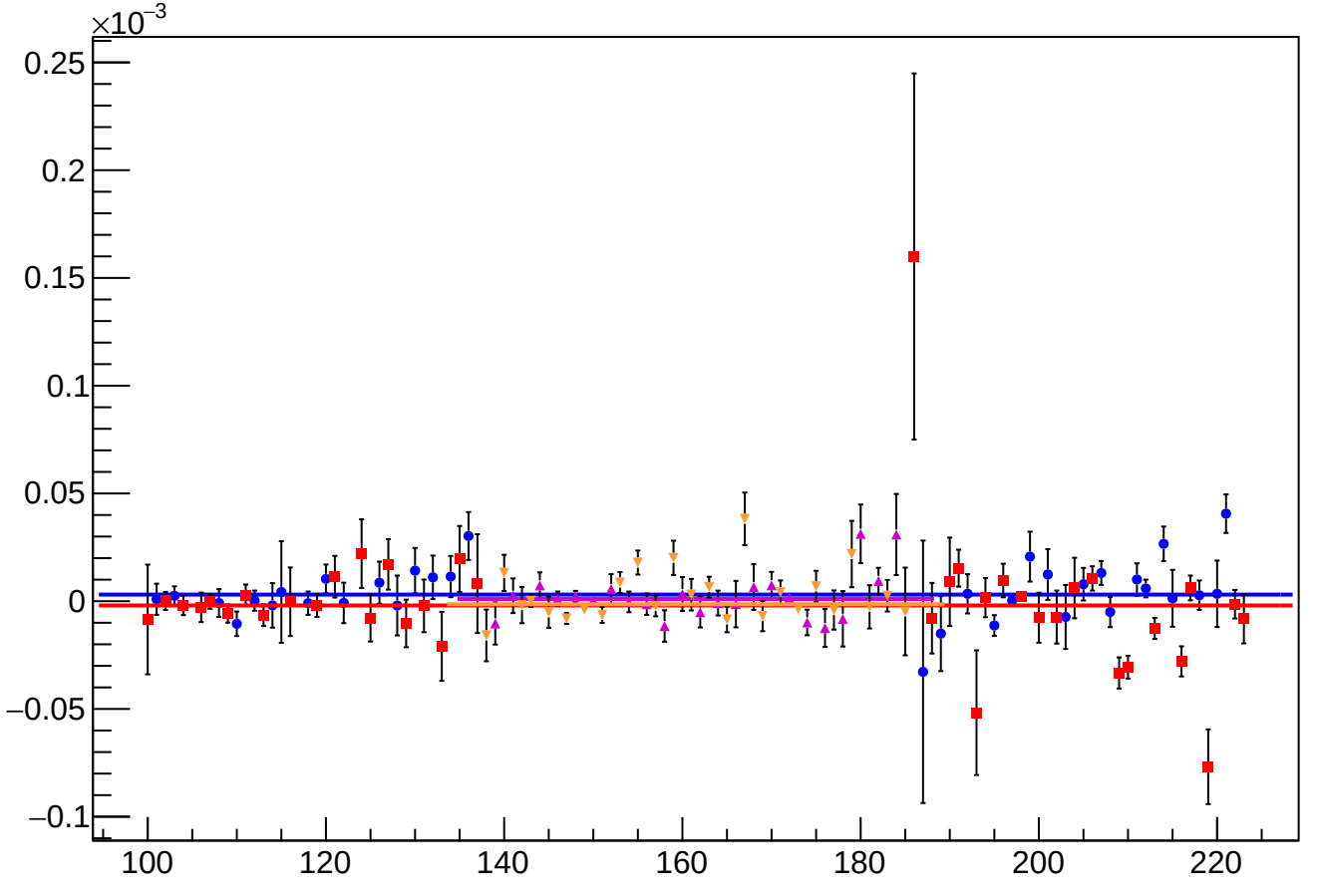
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 89.034+/-0.011 χ^2/NDF: 20464926.9/72

In: 98.911+/-0.013 χ^2/NDF:14766824.7/56

Out: 101.111+/-0.013 χ^2/NDF:15435658.3/63

All: 100.017+/-0.009 χ^2/NDF: 30217750.3/12



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

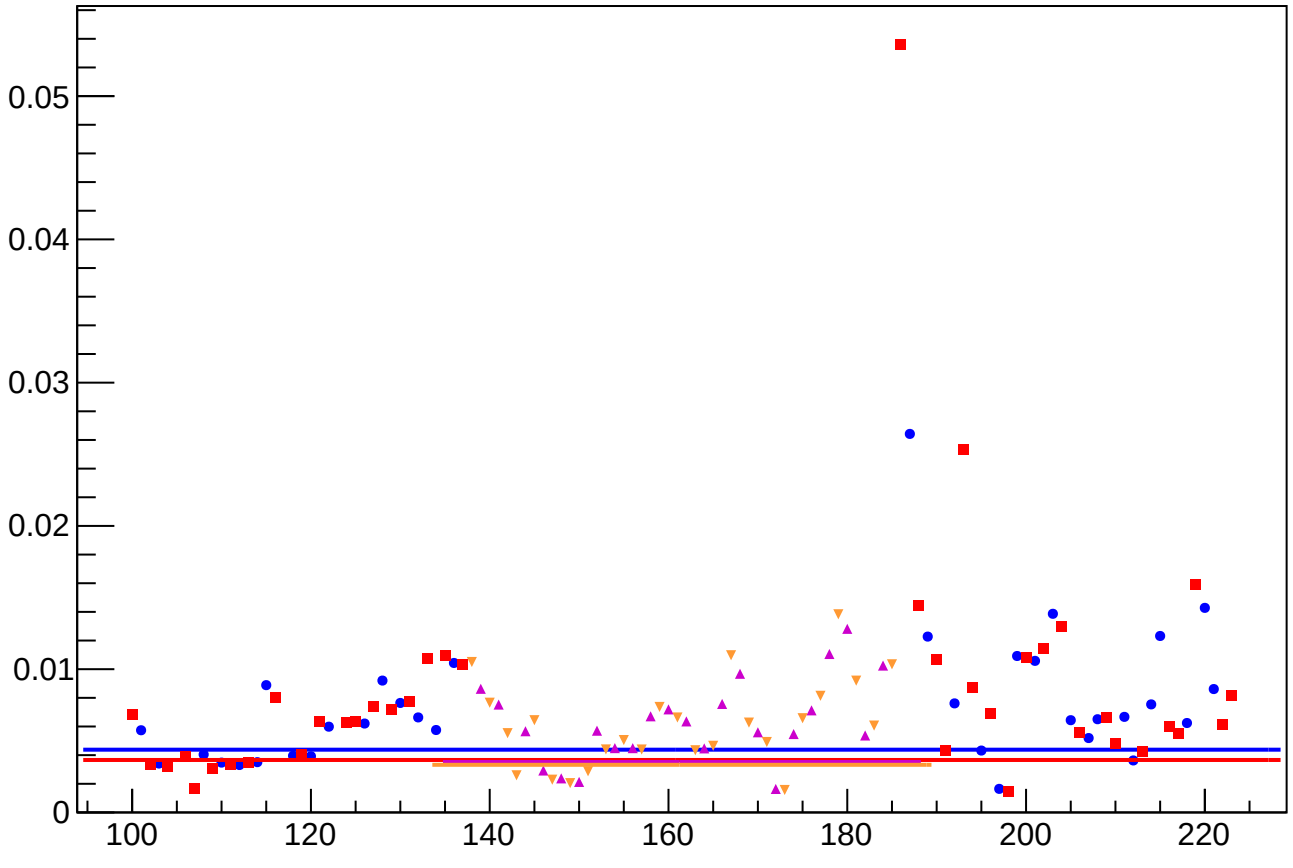
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 204.9/72

In: 0.000+/-0.000 χ^2/NDF:92.1/56

Out: -0.000+/-0.000 χ^2/NDF:188.1/63

All: -0.000+/-0.000 χ^2/NDF: 293.3/120



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

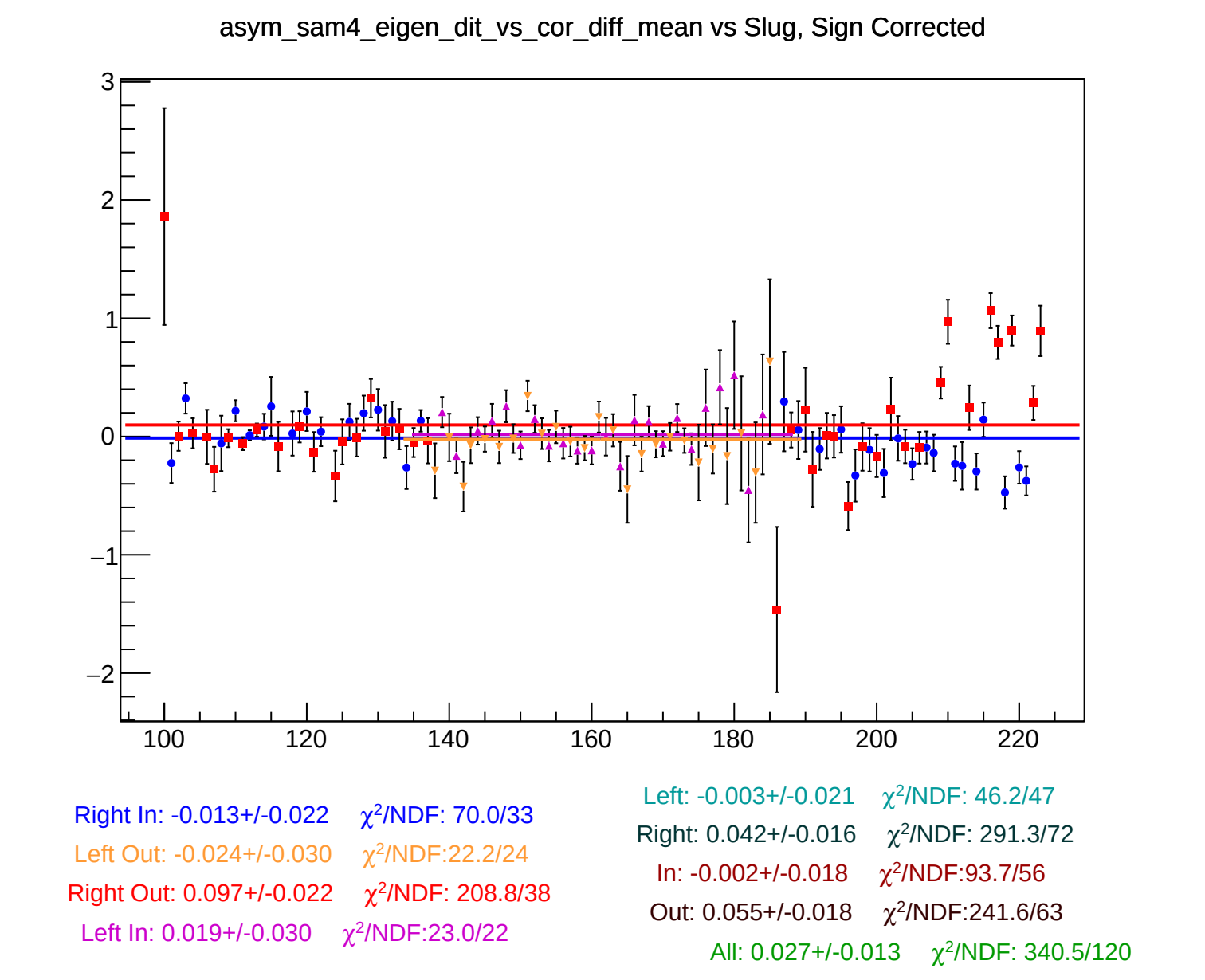
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 26825493.8/72

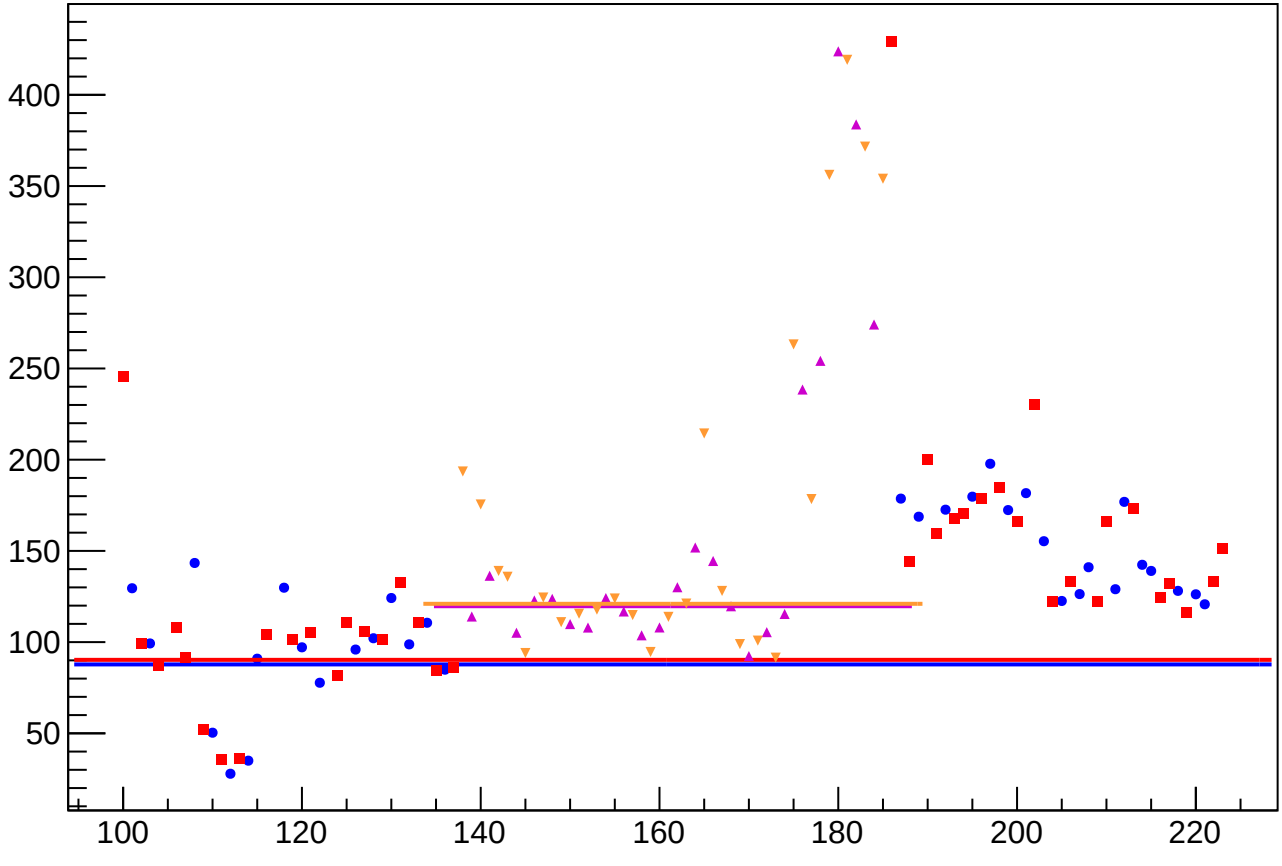
In: 0.004+/-0.000 χ^2/NDF:21013788.2/56

Out: 0.003+/-0.000 χ^2/NDF:26043652.2/63

All: 0.004+/-0.000 χ^2/NDF: 47408698.9/120


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.013+/-0.022 χ²/NDF: 70.0/33
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.097+/-0.022 χ²/NDF: 208.8/38
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.042+/-0.016 χ²/NDF: 291.3/72
In: -0.002+/-0.018 χ²/NDF:93.7/56
Out: 0.055+/-0.018 χ²/NDF:241.6/63
All: 0.027+/-0.013 χ²/NDF: 340.5/120

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

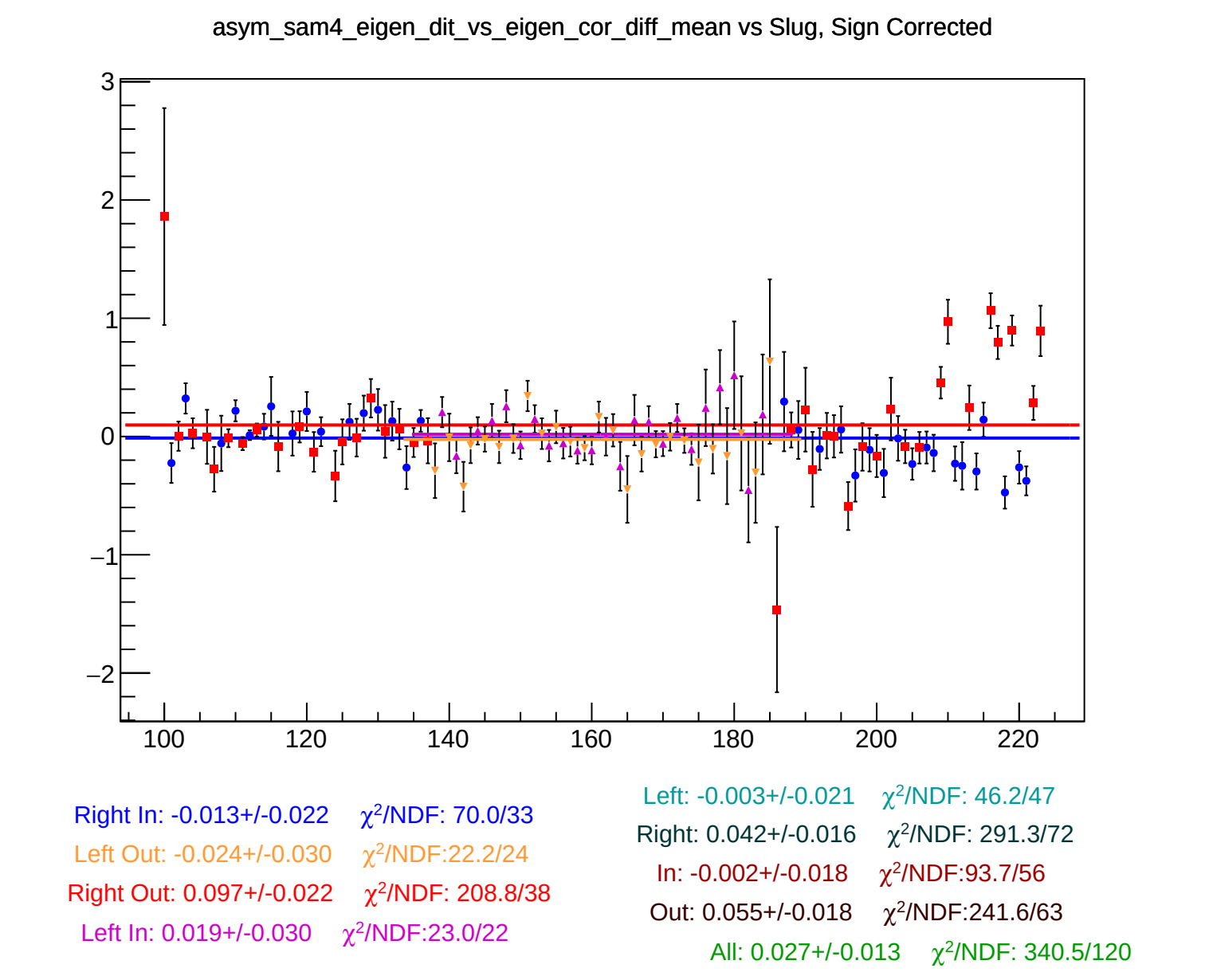
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

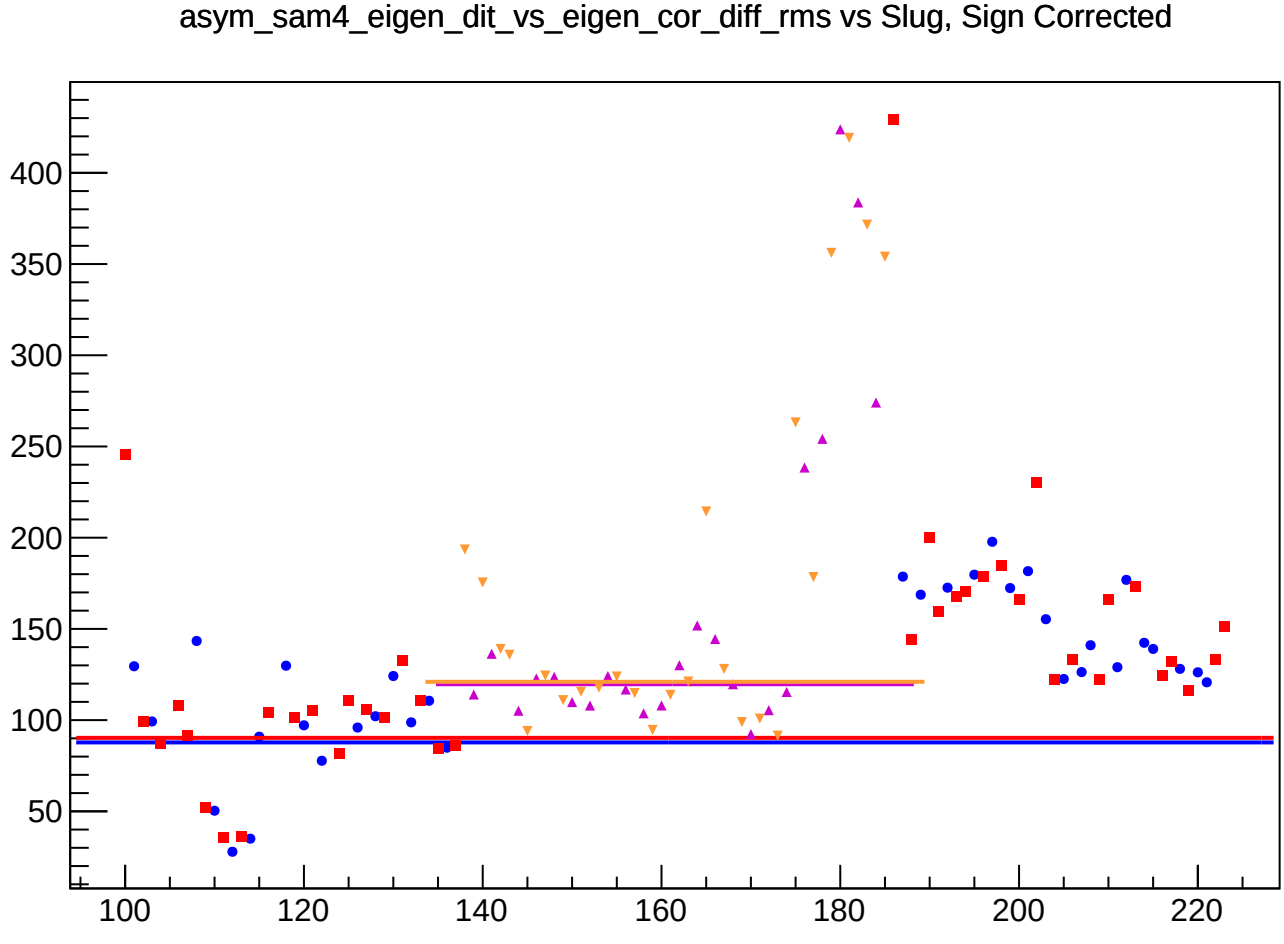
Right: 89.031+/-0.011 χ^2/NDF: 20466006.1/72

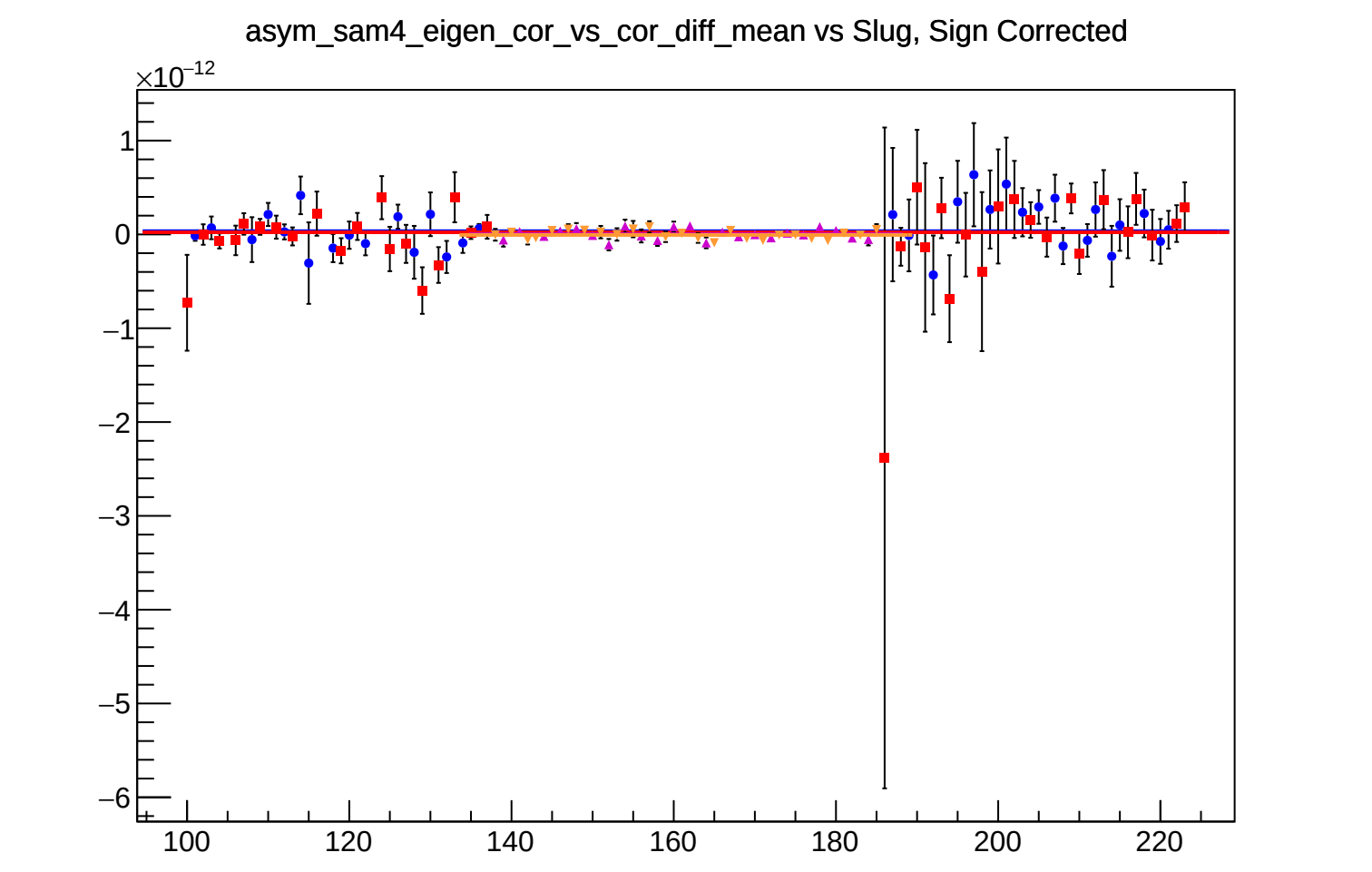
In: 98.909+/-0.013 χ^2/NDF:14767589.3/56

Out: 101.109+/-0.013 χ^2/NDF:15436410.0/63

All: 100.015+/-0.009 χ^2/NDF: 30219271.8/12


asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.013+/-0.022 χ²/NDF: 70.0/33
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.097+/-0.022 χ²/NDF: 208.8/38
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.042+/-0.016 χ²/NDF: 291.3/72
In: -0.002+/-0.018 χ²/NDF:93.7/56
Out: 0.055+/-0.018 χ²/NDF:241.6/63
All: 0.027+/-0.013 χ²/NDF: 340.5/120


asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
50
100
120
140
160
180
200
220
Right In: 87.773+/-0.016 χ²/NDF: 10478513.4/33
Left Out: 121.000+/-0.021 χ²/NDF:4095210.5/24
Right Out: 90.282+/-0.016 χ²/NDF: 9974597.7/38
Left In: 119.680+/-0.021 χ²/NDF:2838196.2/22
Left: 120.347+/-0.015 χ²/NDF: 6935335.2/47
Right: 89.031+/-0.011 χ²/NDF: 20466006.1/72
In: 98.909+/-0.013 χ²/NDF:14767589.3/56
Out: 101.109+/-0.013 χ²/NDF:15436410.0/63
All: 100.015+/-0.009 χ²/NDF: 30219271.8/12



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

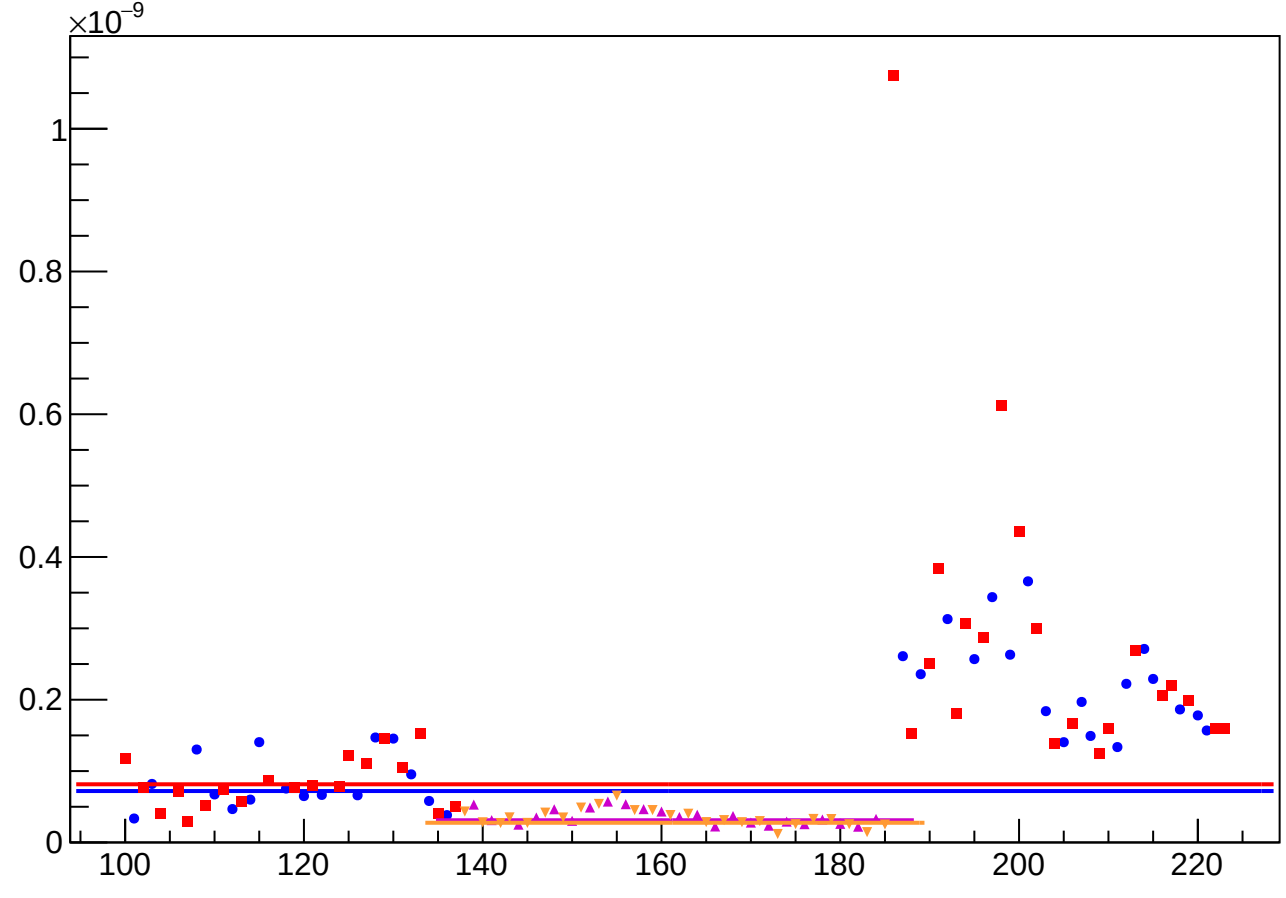
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 69.6/72

In: 0.000+/-0.000 χ^2/NDF:58.2/56

Out: -0.000+/-0.000 χ^2/NDF:63.7/63

All: 0.000+/-0.000 χ^2/NDF: 122.7/120



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

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

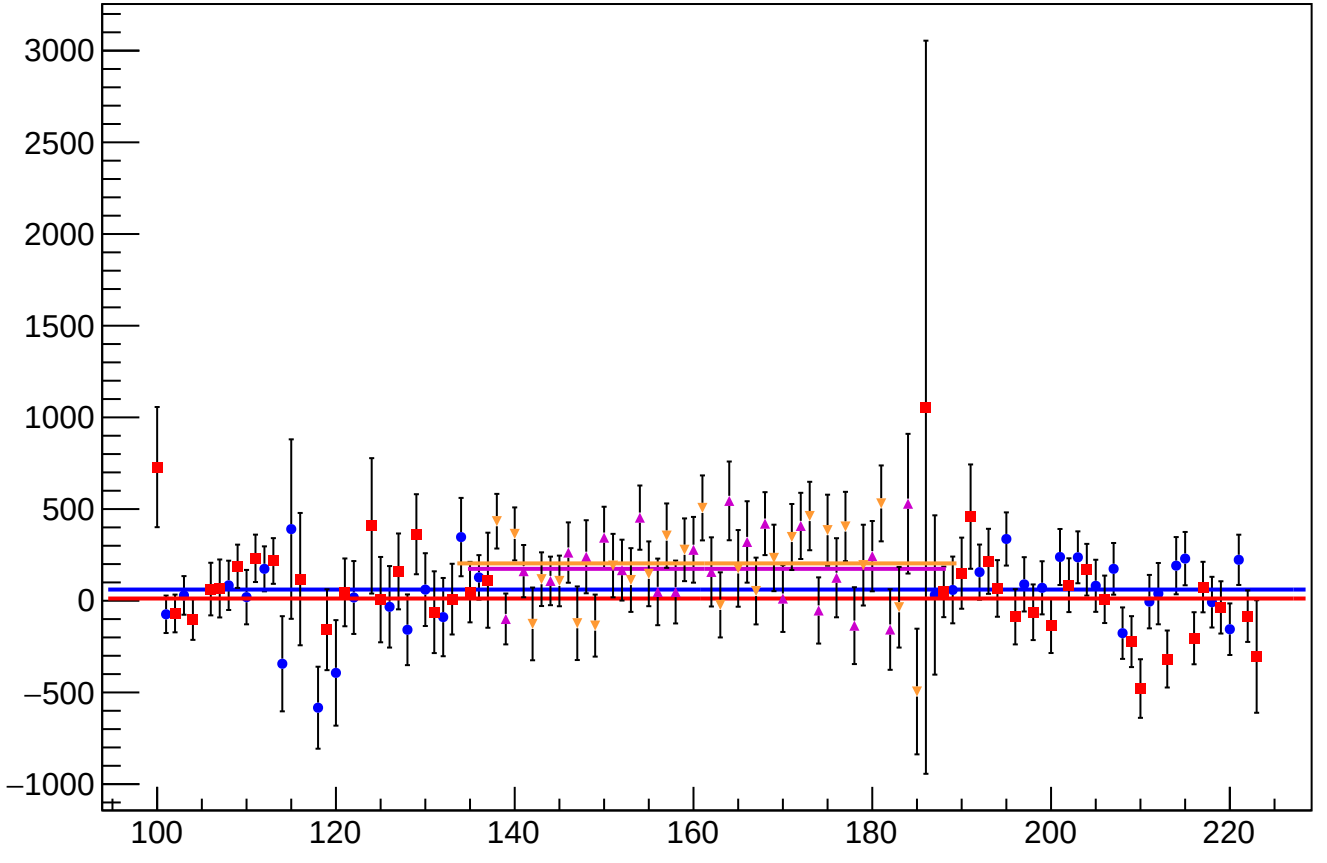
Right: 0.000+/-0.000 χ^2/NDF: 20816419.4/72

In: 0.000+/-0.000 χ^2/NDF:17695230.6/56

Out: 0.000+/-0.000 χ^2/NDF:21397517.2/63

All: 0.000+/-0.000 χ^2/NDF: 39310090.7/120

reg_asym_sam5_mean vs Slug, Sign Corrected



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

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

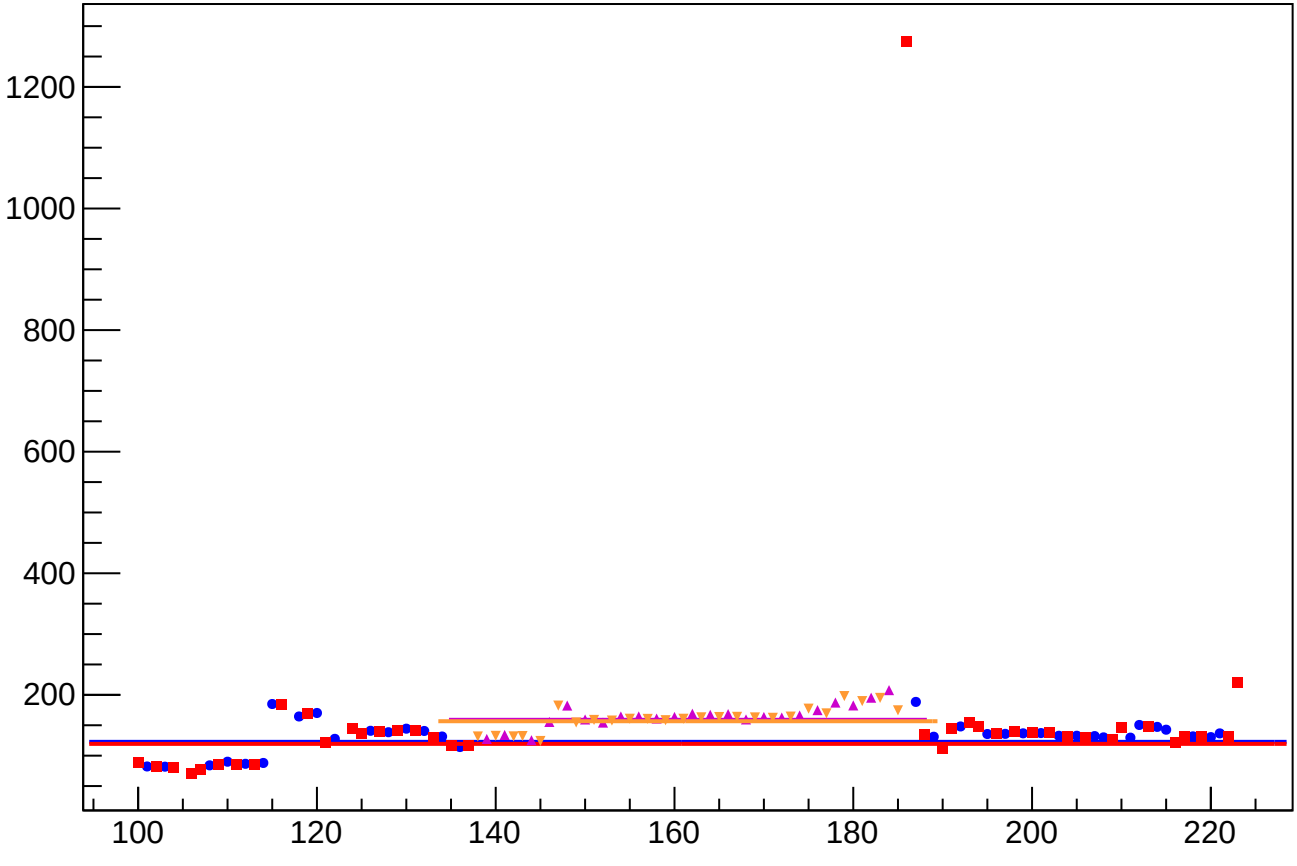
Right: 35.897+/-18.564 χ^2/NDF: 87.8/72

In: 99.176+/-21.718 χ^2/NDF:67.9/56

Out: 77.659+/-20.974 χ^2/NDF:100.3/63

All: 88.043+/-15.087 χ^2/NDF: 168.8/120

reg_asym_sam5_rms vs Slug, Sign Corrected



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

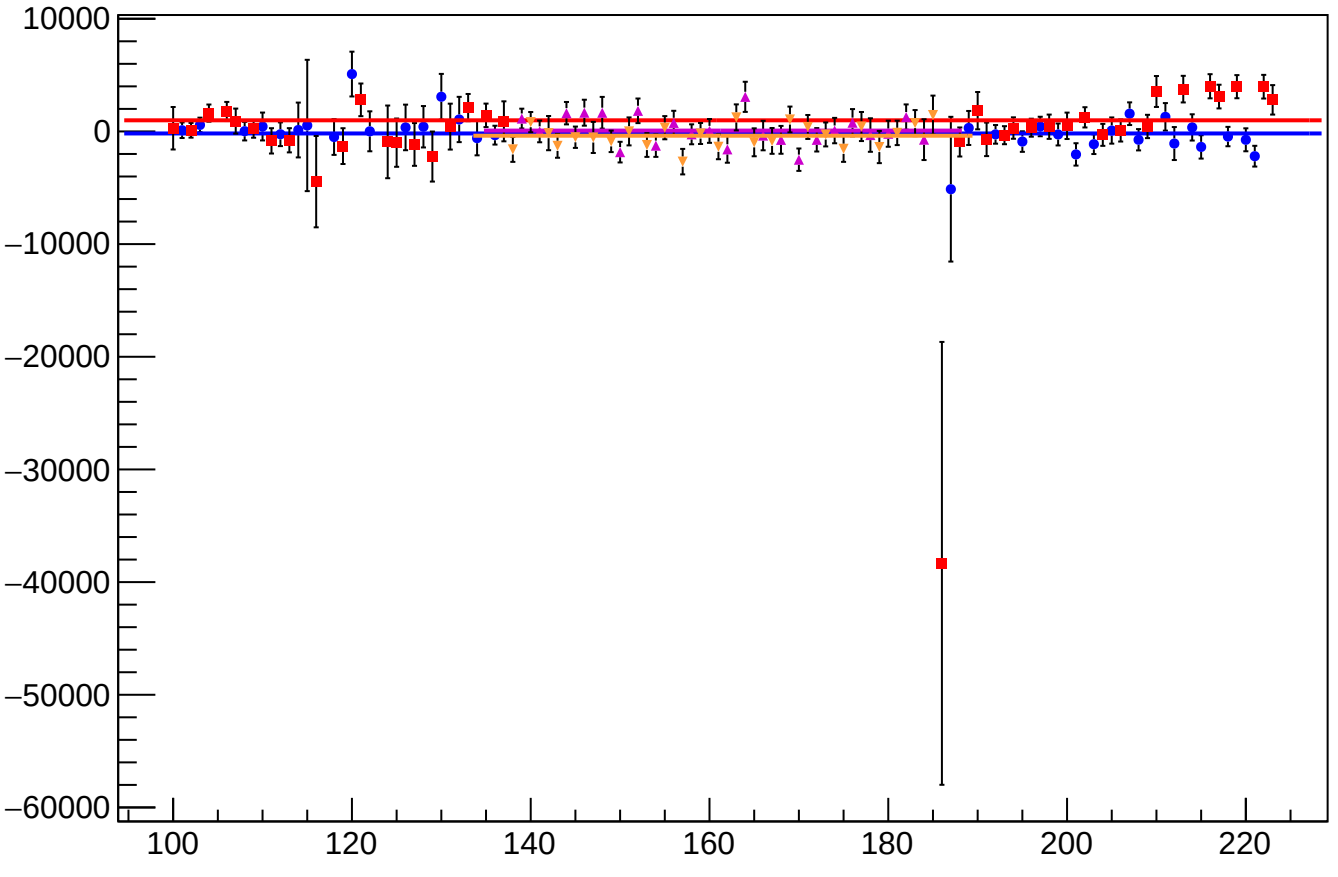
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 120.993+/-0.013 χ^2/NDF: 4727187.6/72

In: 134.924+/-0.015 χ^2/NDF:3471012.0/56

Out: 132.116+/-0.015 χ^2/NDF:4998261.7/63

All: 133.471+/-0.011 χ^2/NDF: 8486566.1/120



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

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

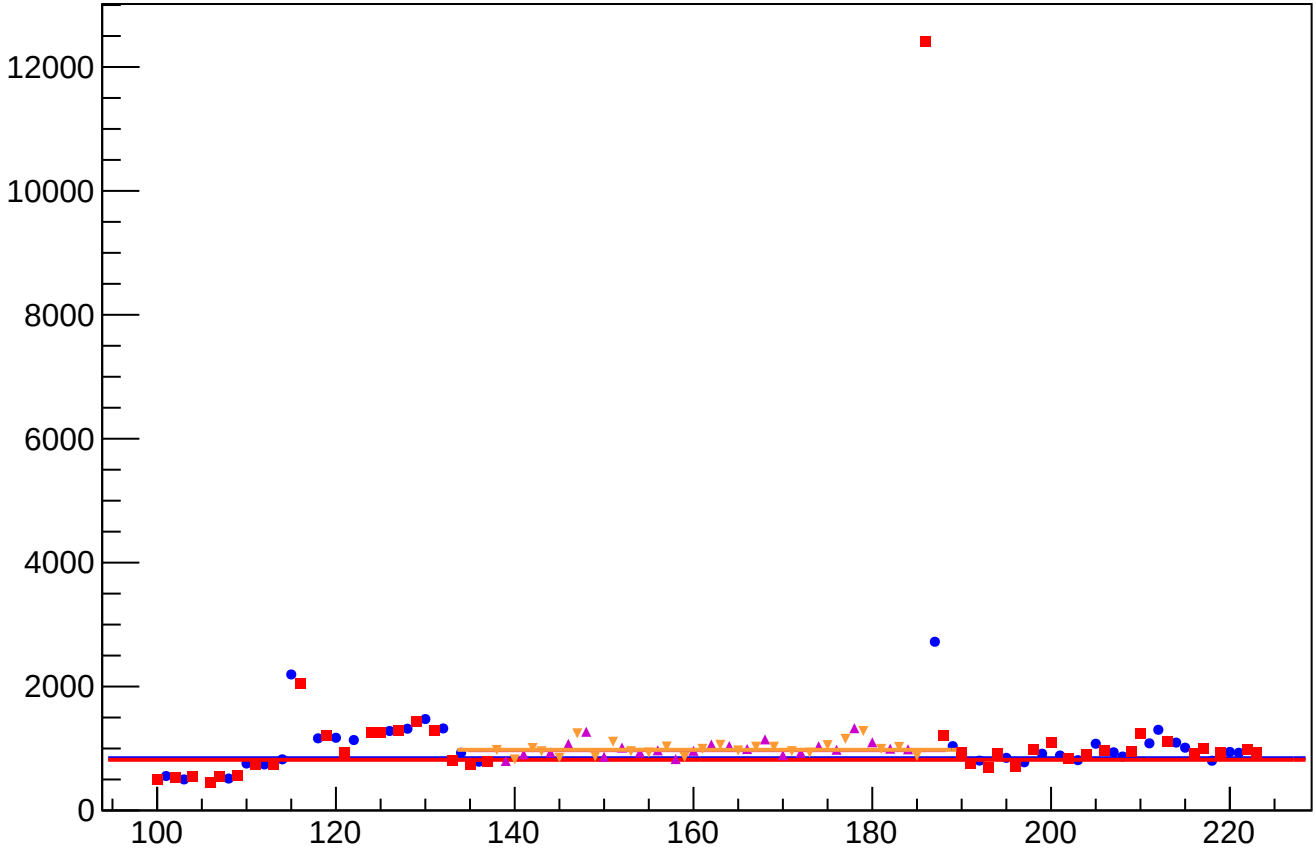
Right: 424.601+/-129.851 χ^2/NDF: 126.5/72

In: -78.579+/-145.060 χ^2/NDF:64.6/56

Out: 450.528+/-140.643 χ^2/NDF:116.8/63

All: 194.154+/-100.975 χ^2/NDF: 188.2/120

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



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

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

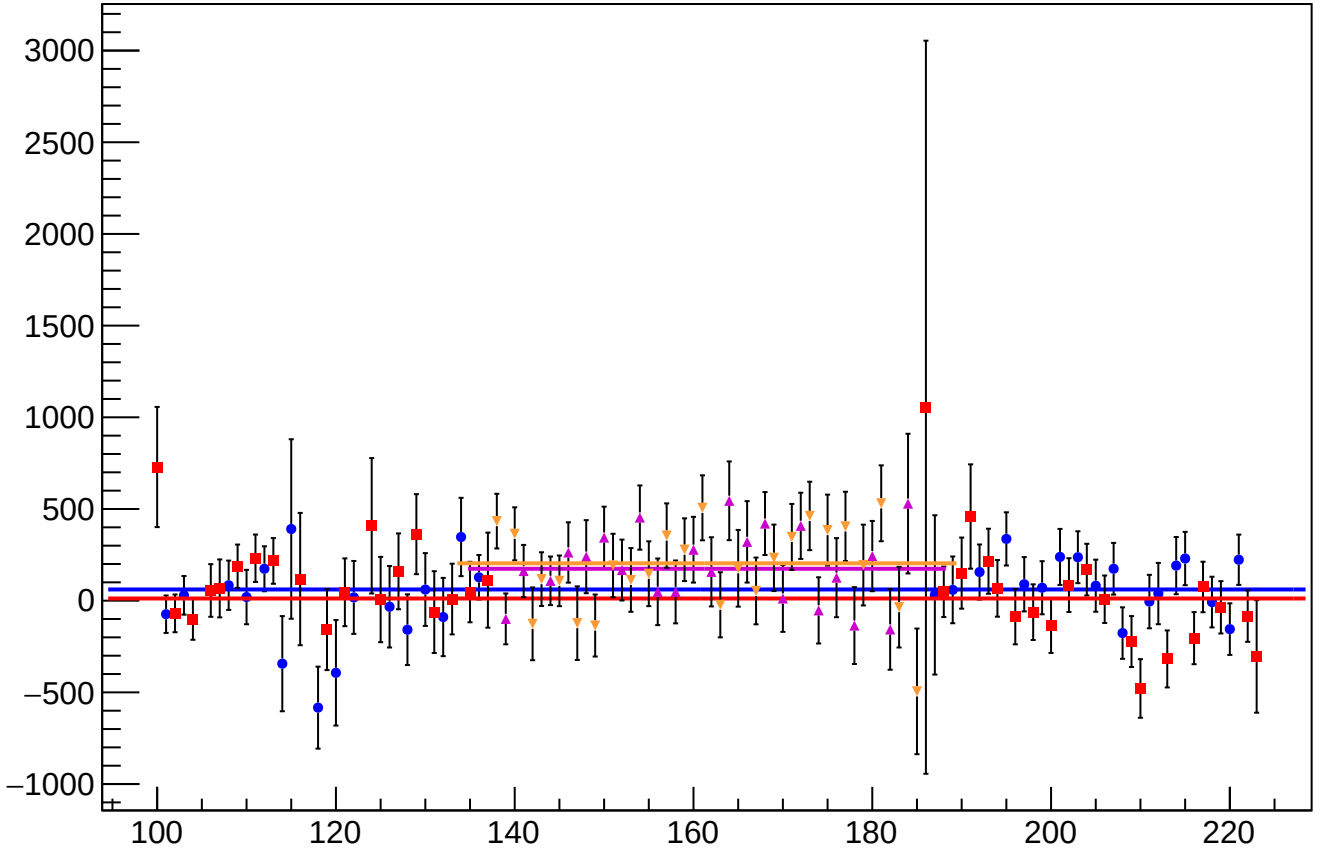
Right: 829.789+/-0.092 χ^2/NDF: 6966999.4/72

In: 895.043+/-0.103 χ^2/NDF:3802237.0/56

Out: 880.979+/-0.099 χ^2/NDF:5093615.3/63

All: 887.794+/-0.071 χ^2/NDF: 8905542.5/120

cor_asym_sam5_mean vs Slug, Sign Corrected



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

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

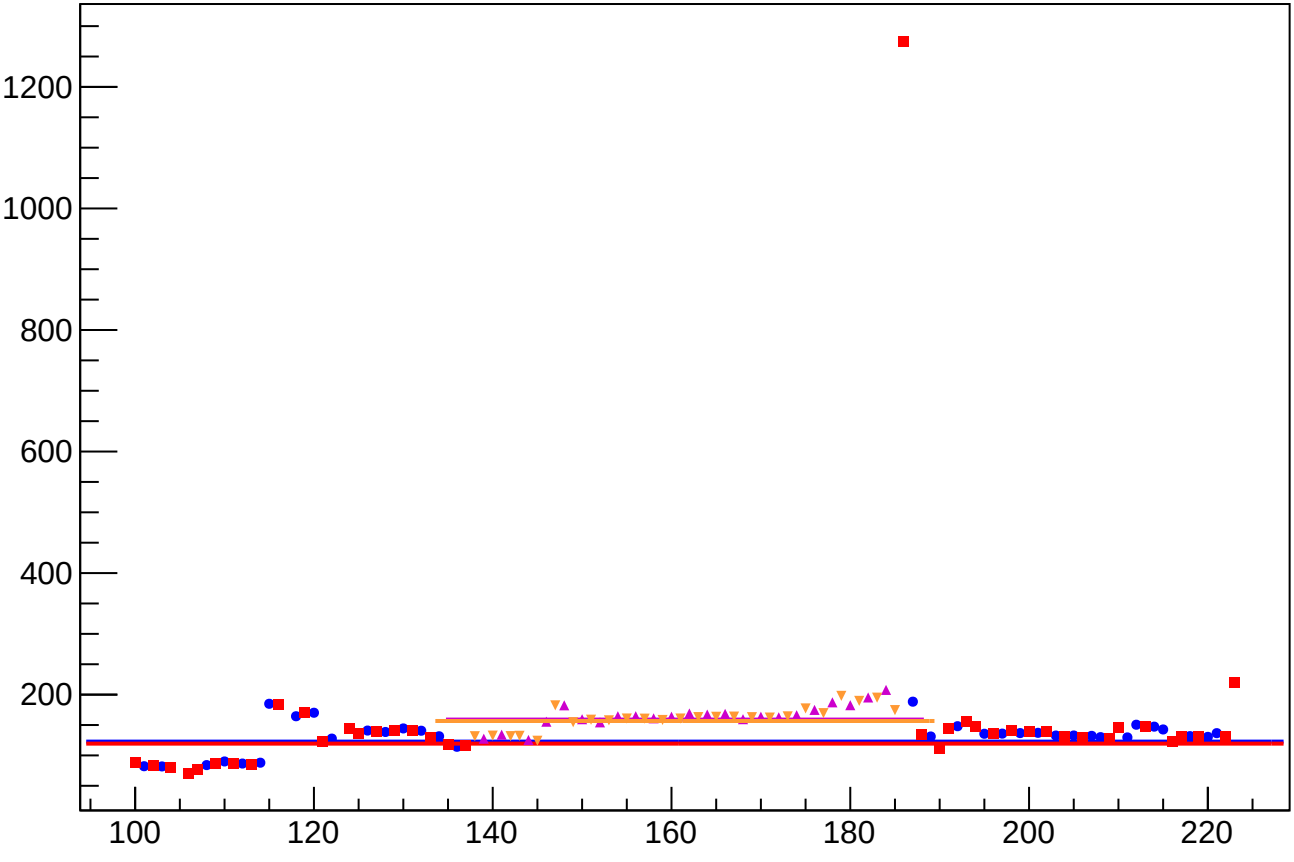
Right: 35.771+/-18.564 χ^2/NDF: 87.8/72

In: 99.178+/-21.718 χ^2/NDF:67.9/56

Out: 77.502+/-20.975 χ^2/NDF:100.3/63

All: 87.963+/-15.087 χ^2/NDF: 168.8/120

cor_asym_sam5_rms vs Slug, Sign Corrected



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

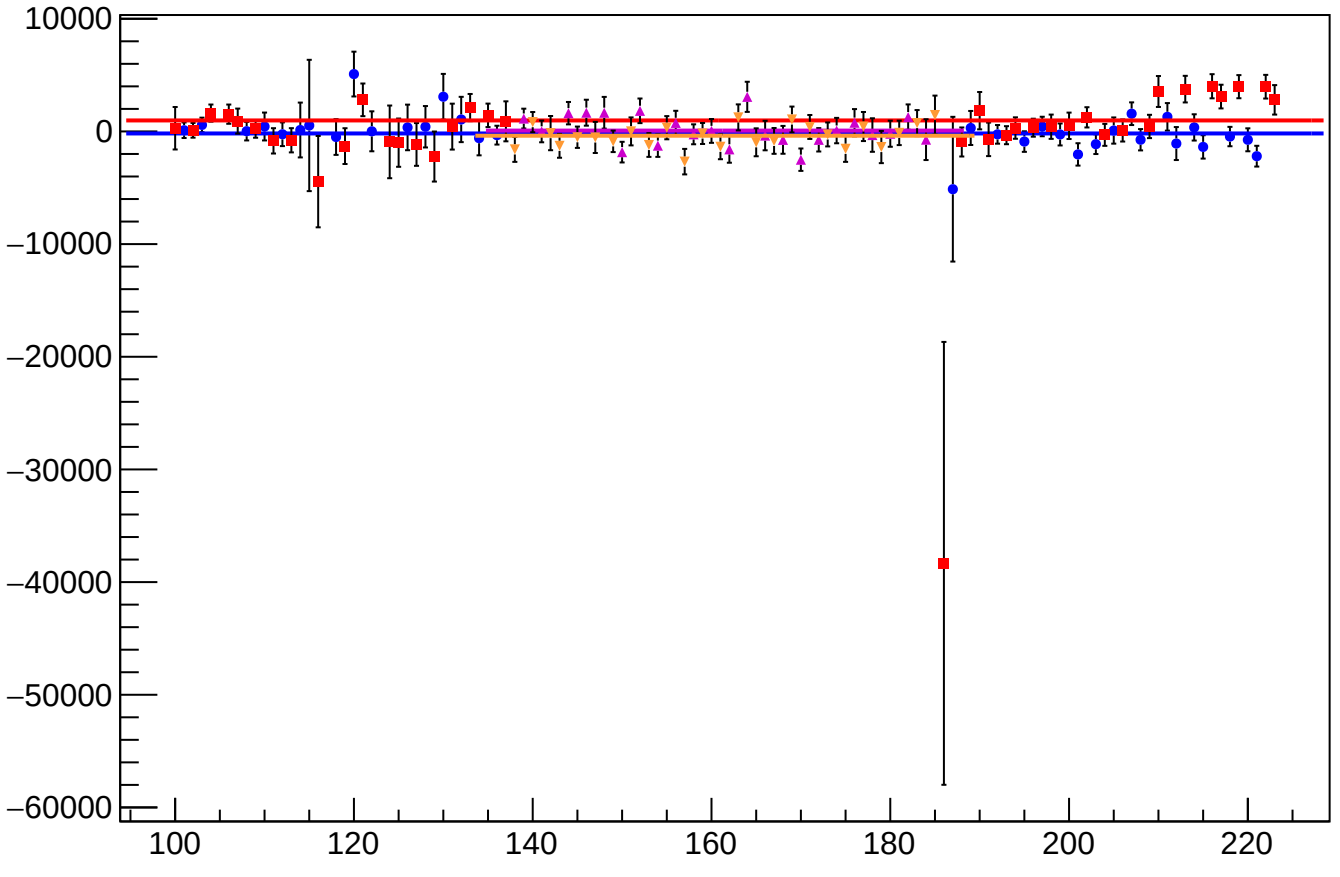
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 120.988+/-0.013 χ^2/NDF: 4730711.3/72

In: 134.924+/-0.015 χ^2/NDF:3471010.0/56

Out: 132.110+/-0.015 χ^2/NDF:5002408.1/63

All: 133.468+/-0.011 χ^2/NDF: 8490783.0/120



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

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

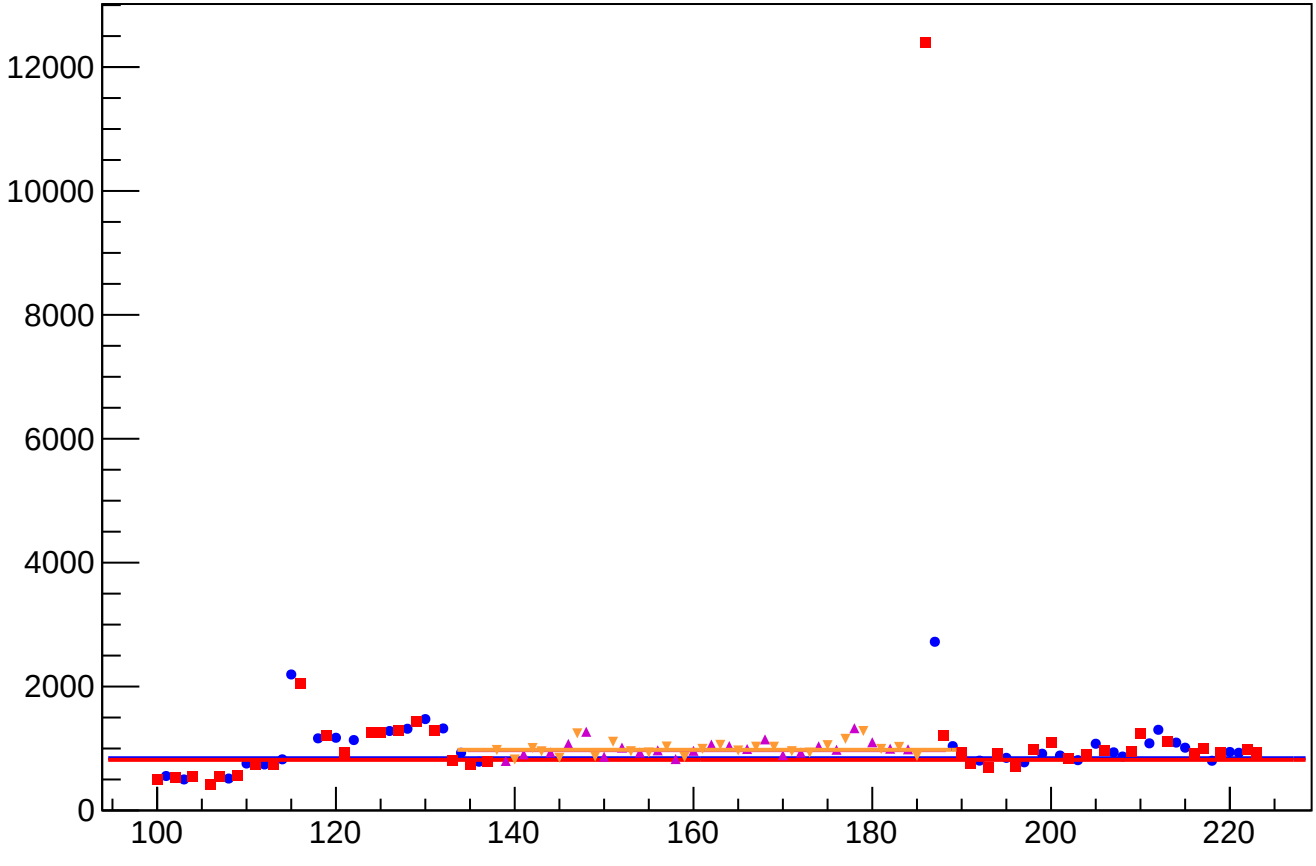
Right: 418.587+/-129.870 χ^2/NDF: 125.6/72

In: -78.577+/-145.060 χ^2/NDF:64.6/56

Out: 443.484+/-140.668 χ^2/NDF:116.0/63

All: 190.477+/-100.984 χ^2/NDF: 187.2/120

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



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

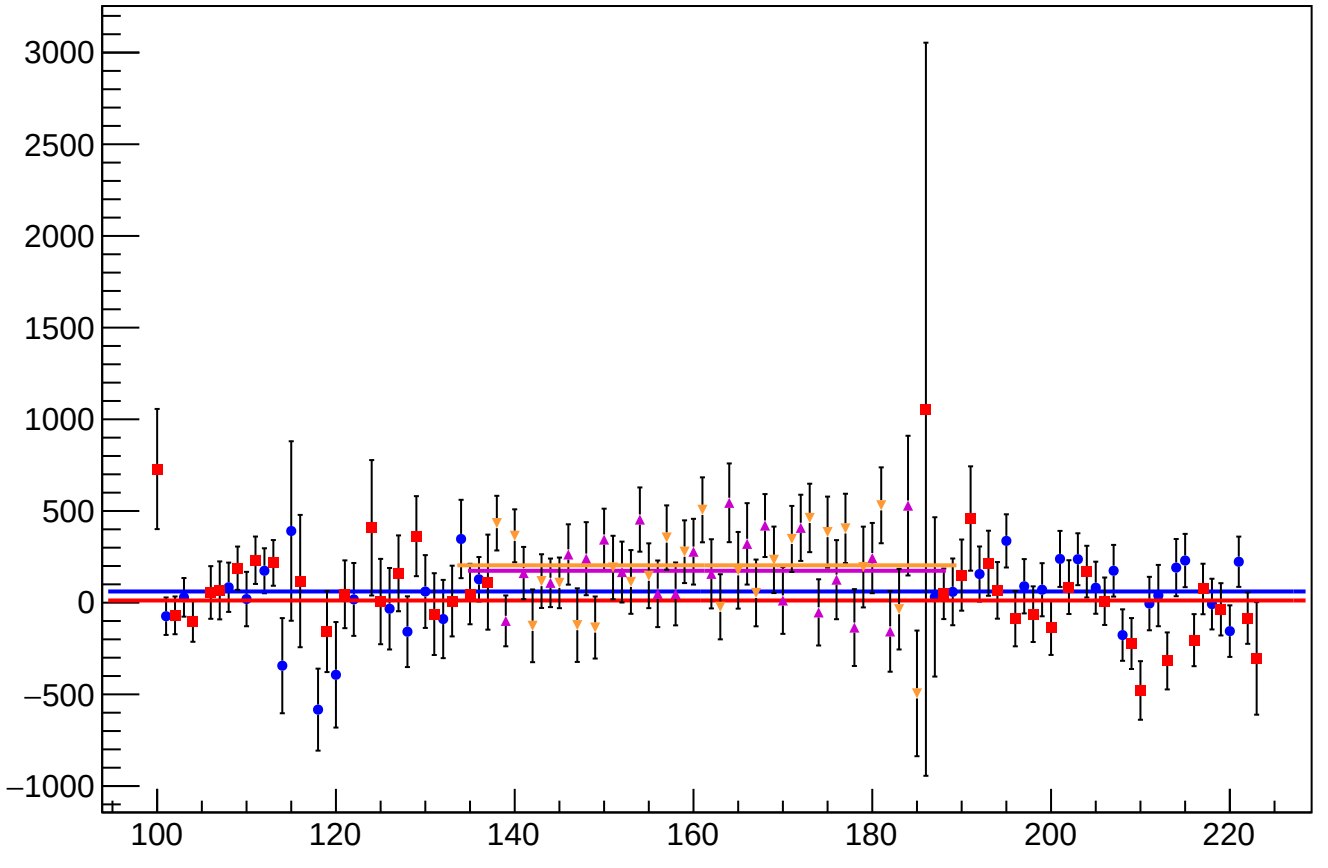
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 829.340+/-0.092 χ^2/NDF: 7014358.7/72

In: 895.043+/-0.103 χ^2/NDF:3802244.0/56

Out: 880.472+/-0.099 χ^2/NDF:5146318.1/63

All: 887.533+/-0.071 χ^2/NDF: 8958962.6/120



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

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

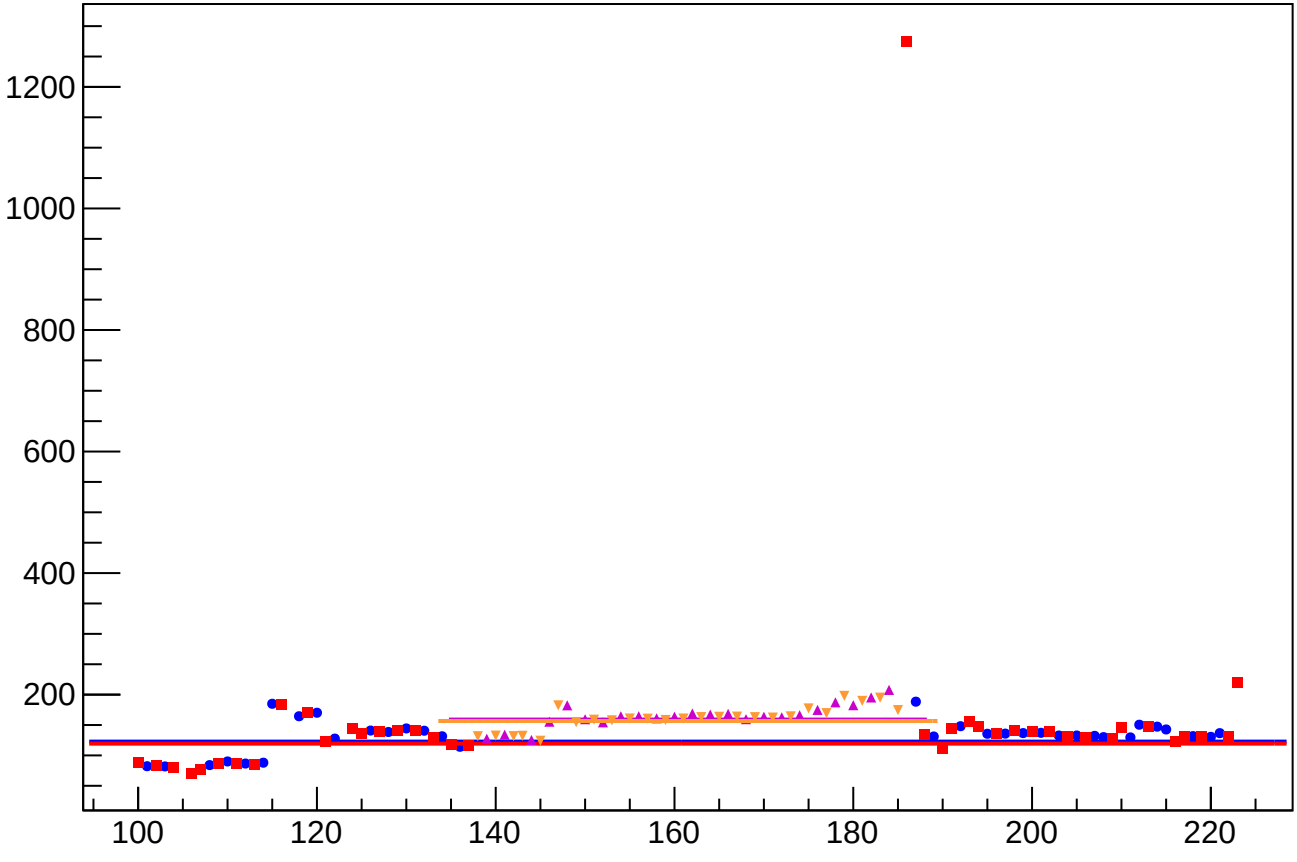
Right: 35.771+/-18.564 χ^2/NDF: 87.8/72

In: 99.178+/-21.718 χ^2/NDF:67.9/56

Out: 77.502+/-20.975 χ^2/NDF:100.3/63

All: 87.963+/-15.087 χ^2/NDF: 168.8/120

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



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

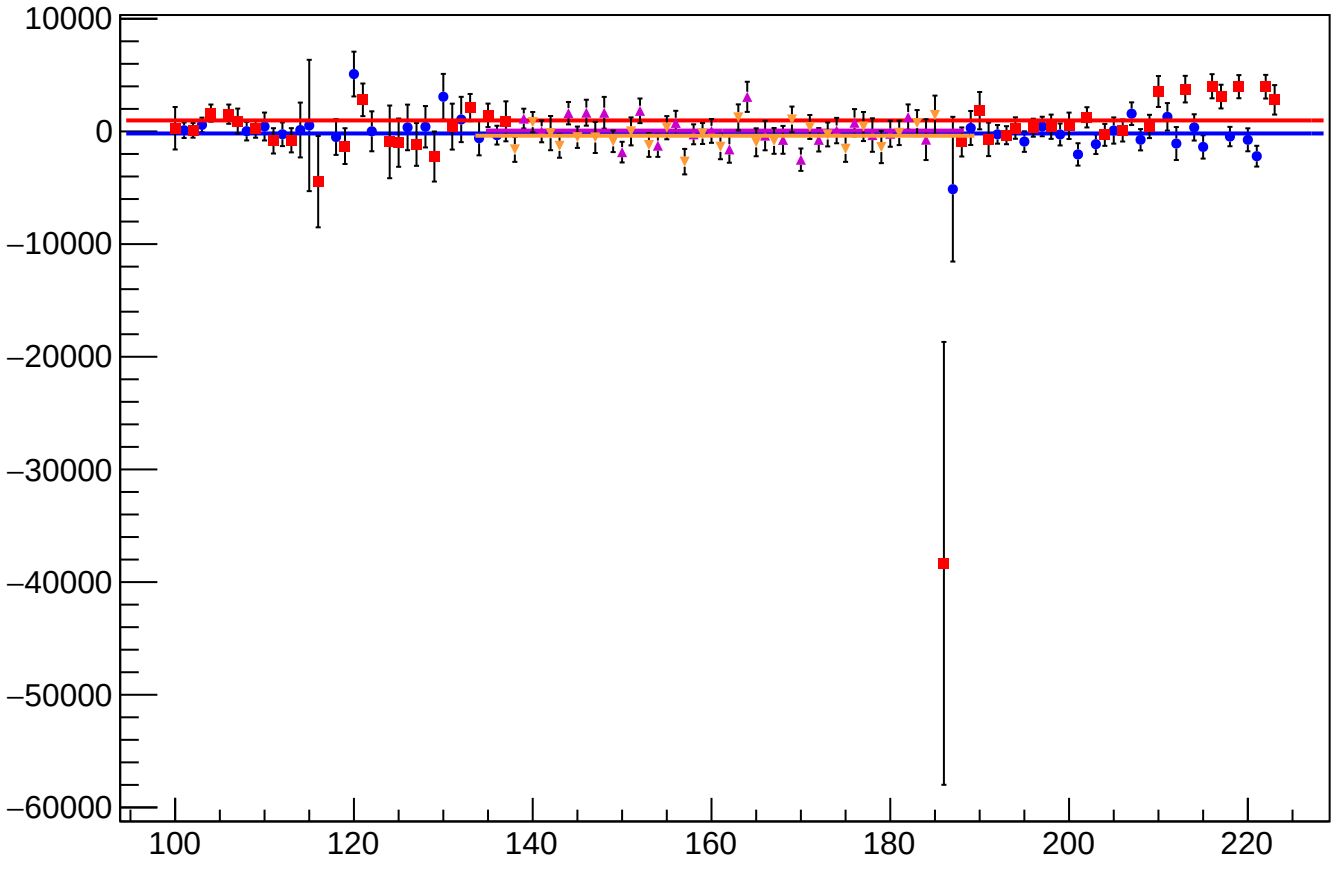
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 120.988+/-0.013 χ^2/NDF: 4730711.3/72

In: 134.924+/-0.015 χ^2/NDF:3471010.0/56

Out: 132.110+/-0.015 χ^2/NDF:5002408.1/63

All: 133.468+/-0.011 χ^2/NDF: 8490783.0/120



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

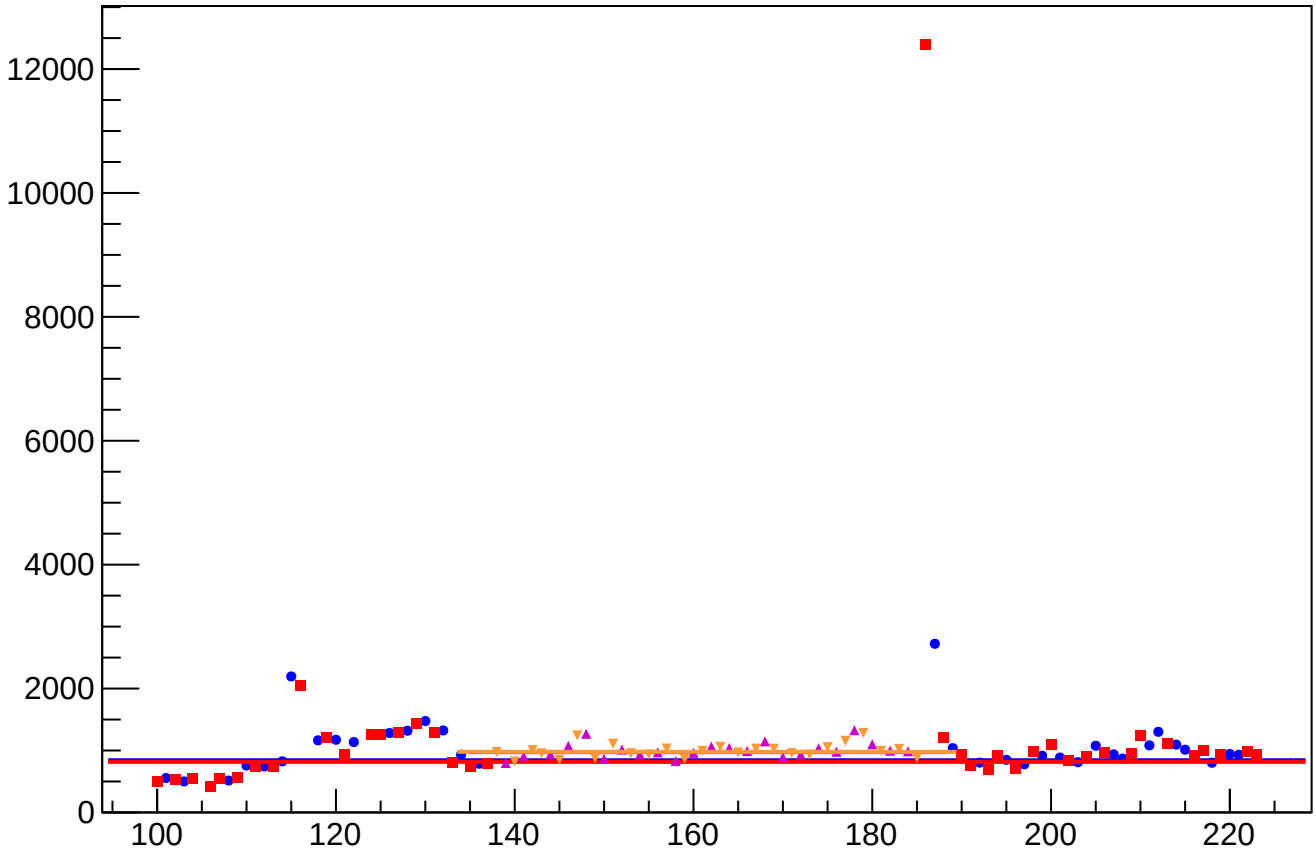
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 418.587+/-129.870 χ^2/NDF: 125.6/72

In: -78.577+/-145.060 χ^2/NDF:64.6/56

Out: 443.484+/-140.668 χ^2/NDF:116.0/63

All: 190.477+/-100.984 χ^2/NDF: 187.2/120



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

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

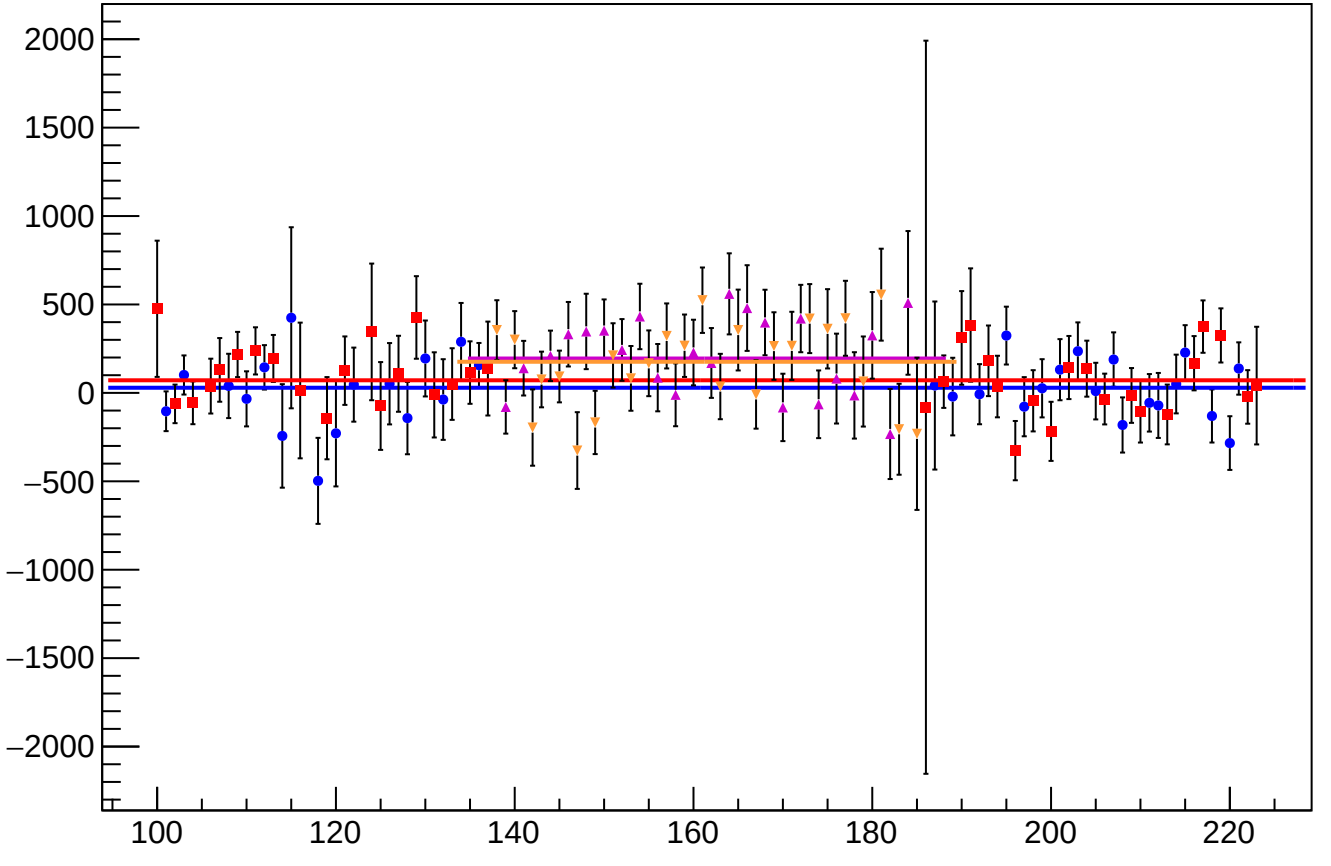
Right: 829.340+/-0.092 χ^2/NDF: 7014358.7/72

In: 895.043+/-0.103 χ^2/NDF:3802244.0/56

Out: 880.472+/-0.099 χ^2/NDF:5146318.1/63

All: 887.533+/-0.071 χ^2/NDF: 8958962.6/120

dit_asym_sam5_mean vs Slug, Sign Corrected



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

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

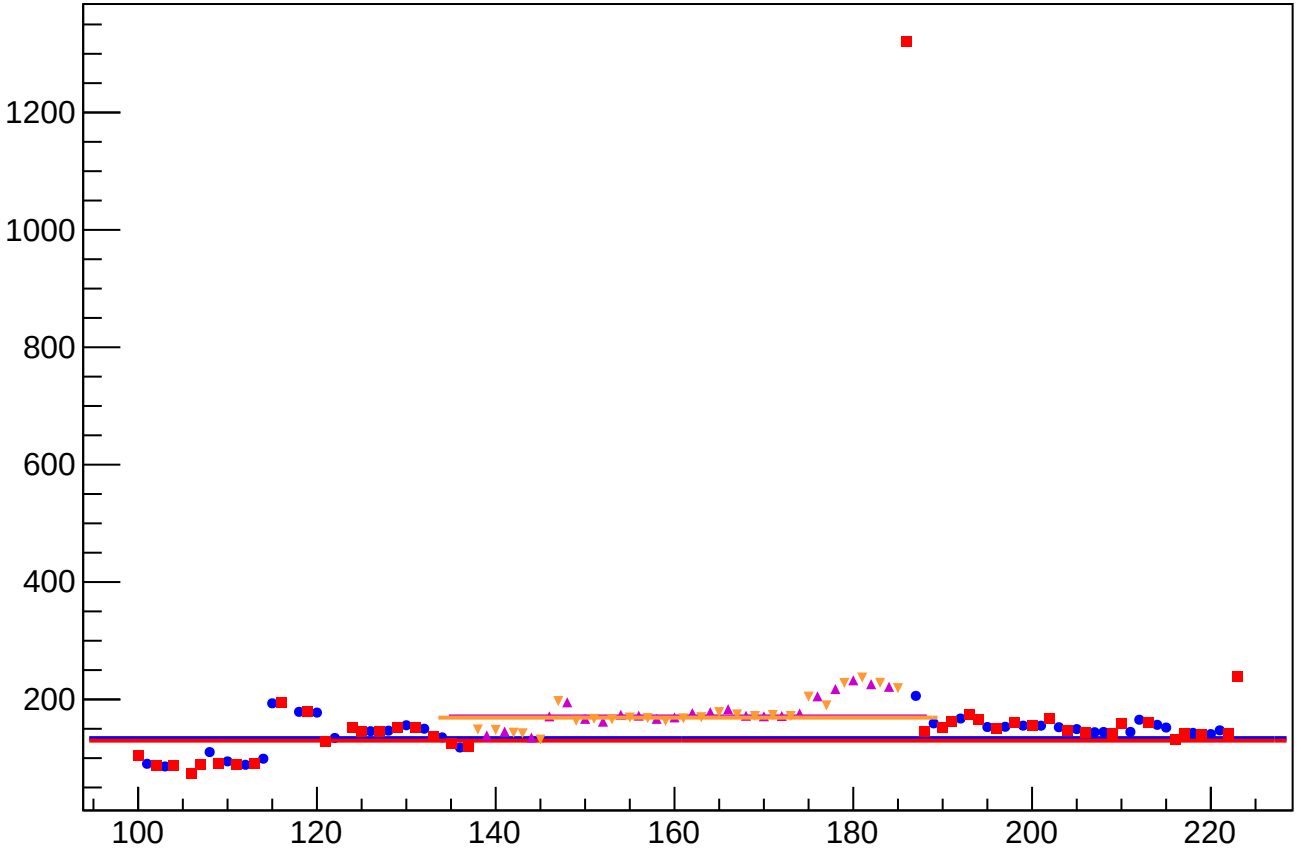
Right: 50.886+/-20.304 χ^2/NDF: 65.8/72

In: 85.831+/-23.667 χ^2/NDF:65.2/56

Out: 107.506+/-22.842 χ^2/NDF:69.9/63

All: 97.053+/-16.436 χ^2/NDF: 135.6/120

dit_asym_sam5_rms vs Slug, Sign Corrected



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

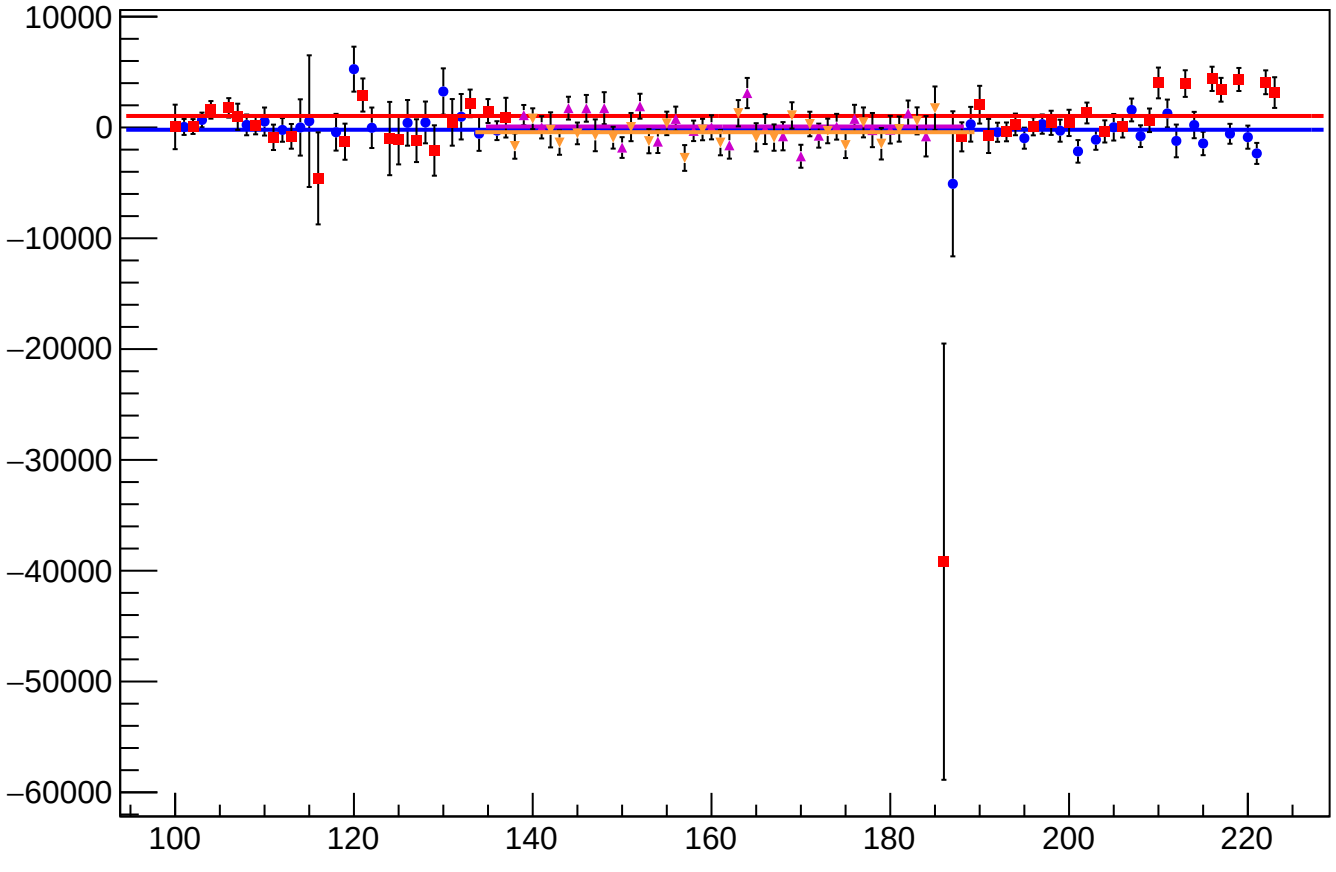
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 131.876+/-0.014 χ^2/NDF: 5113100.4/72

In: 146.763+/-0.017 χ^2/NDF:3614182.3/56

Out: 143.377+/-0.016 χ^2/NDF:5360112.1/63

All: 145.010+/-0.012 χ^2/NDF: 8995493.5/120



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

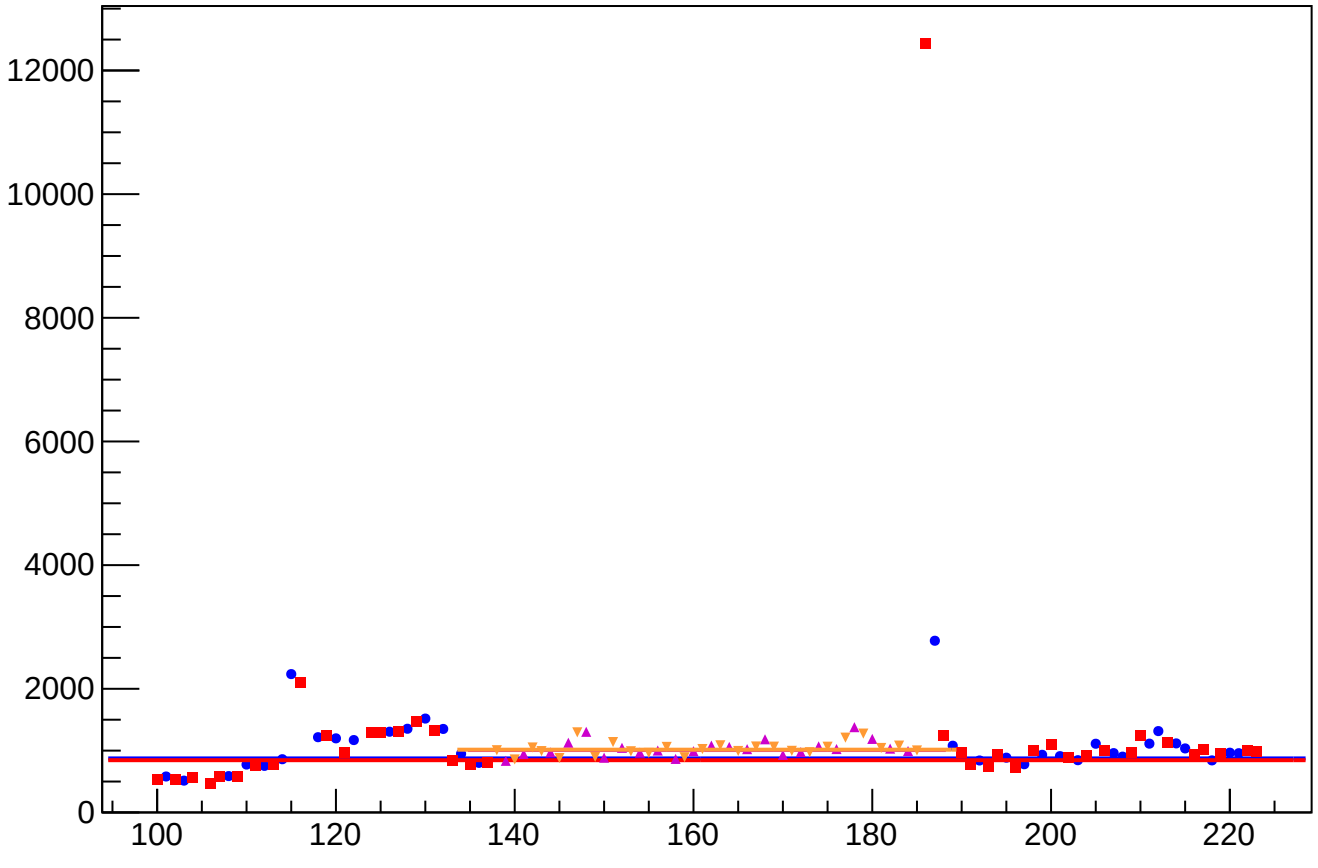
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 439.616+/-134.026 χ^2/NDF: 136.0/72

In: -90.046+/-150.086 χ^2/NDF:65.2/56

Out: 466.749+/-145.252 χ^2/NDF:125.2/63

All: 197.462+/-104.376 χ^2/NDF: 197.4/120



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

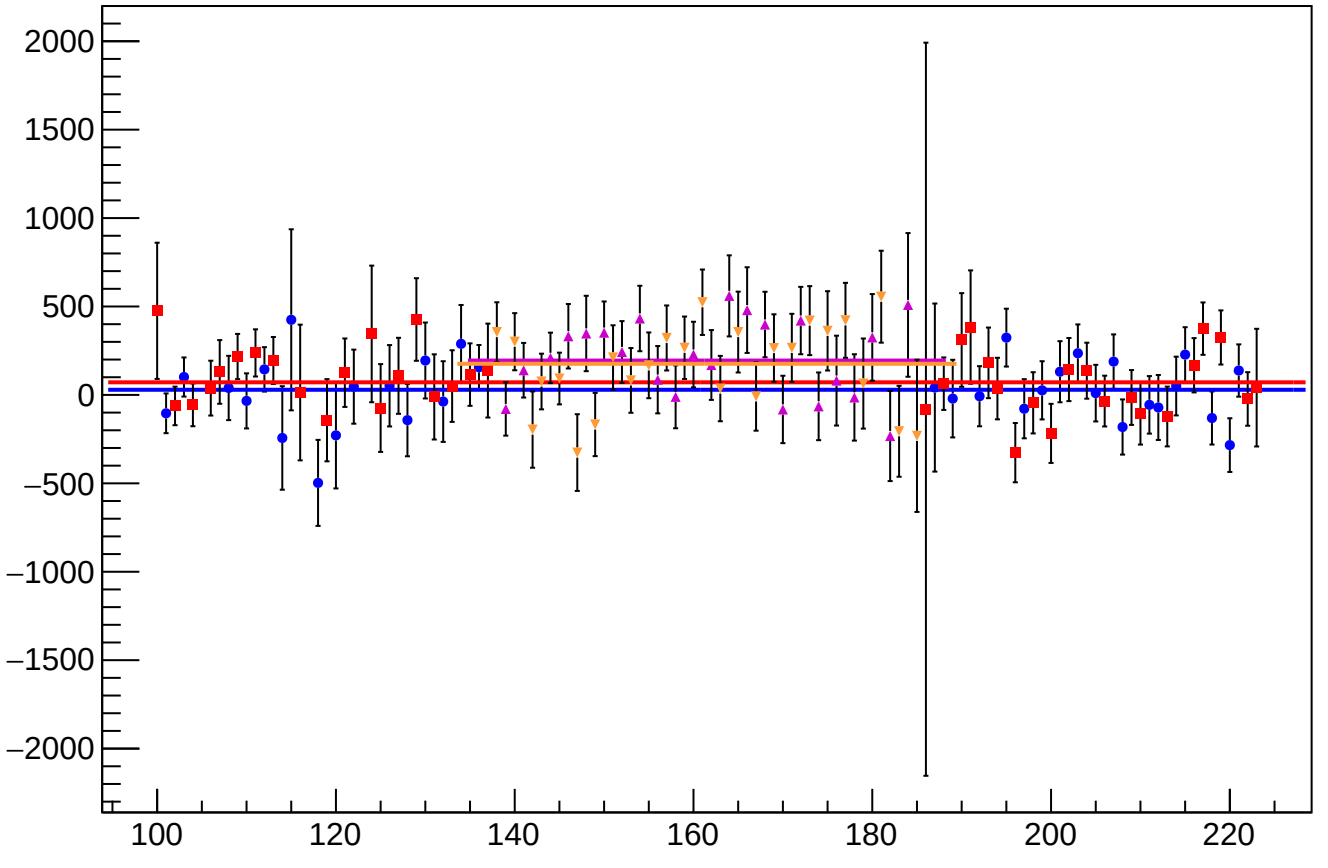
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 859.078+/-0.095 χ^2/NDF: 6616786.6/72

In: 927.809+/-0.106 χ^2/NDF:3616235.0/56

Out: 911.565+/-0.103 χ^2/NDF:4915985.1/63

All: 919.421+/-0.074 χ^2/NDF: 8544317.6/120



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

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

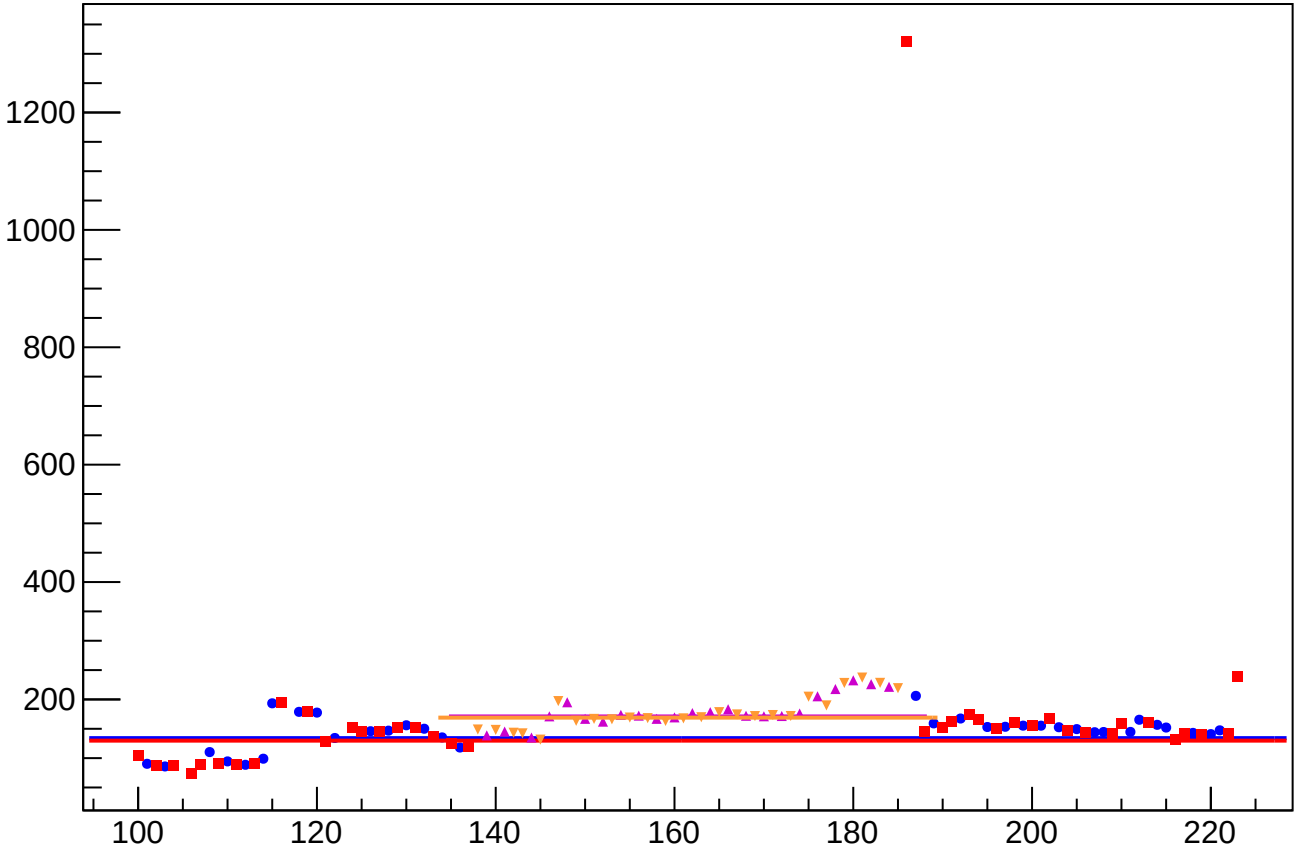
Right: 50.885+/-20.303 χ^2/NDF: 65.8/72

In: 85.831+/-23.667 χ^2/NDF:65.2/56

Out: 107.505+/-22.842 χ^2/NDF:69.9/63

All: 97.052+/-16.436 χ^2/NDF: 135.6/120

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



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

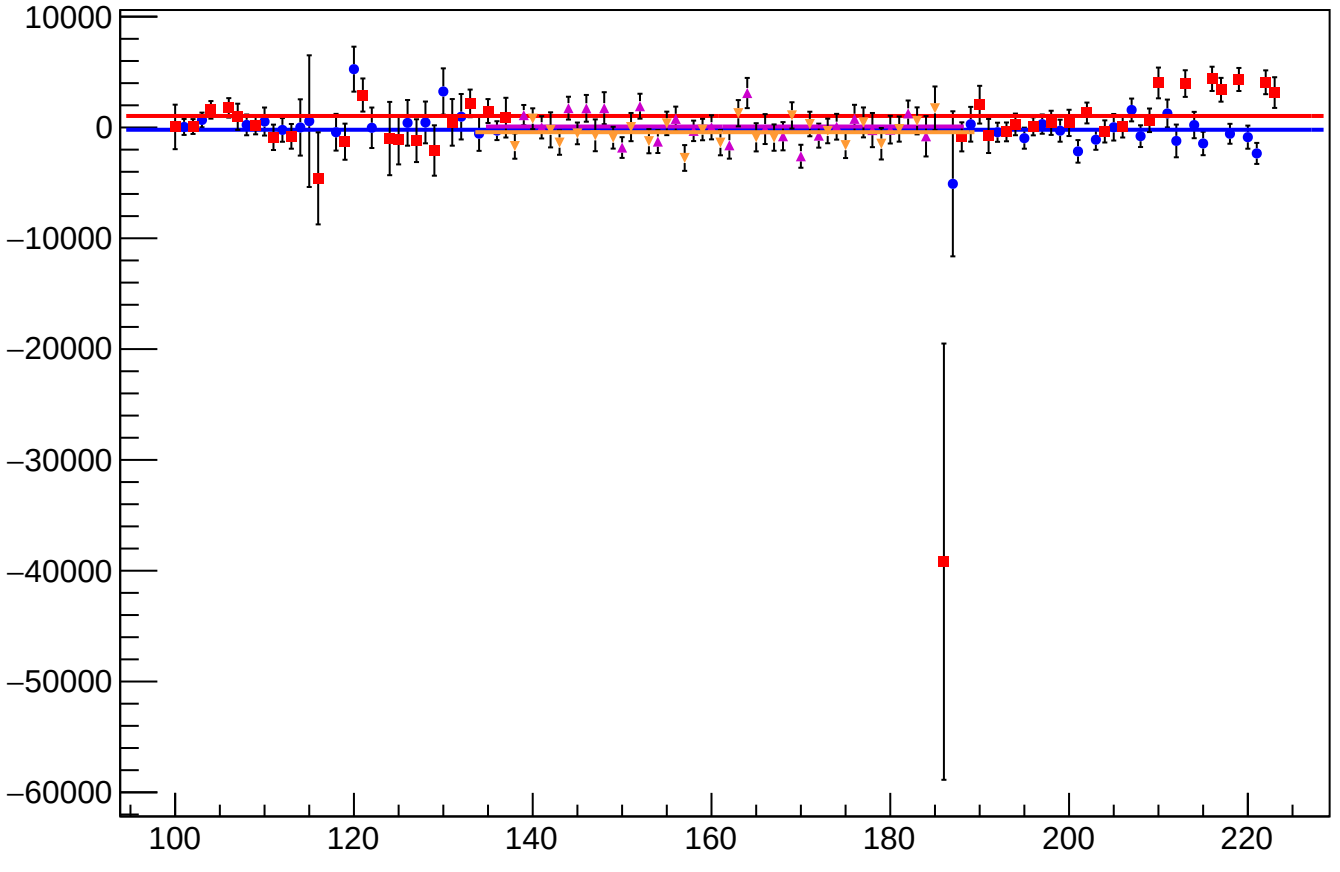
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 131.876+/-0.014 χ^2/NDF: 5113108.8/72

In: 146.763+/-0.017 χ^2/NDF:3614211.0/56

Out: 143.377+/-0.016 χ^2/NDF:5360125.4/63

All: 145.010+/-0.012 χ^2/NDF: 8995535.7/120



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

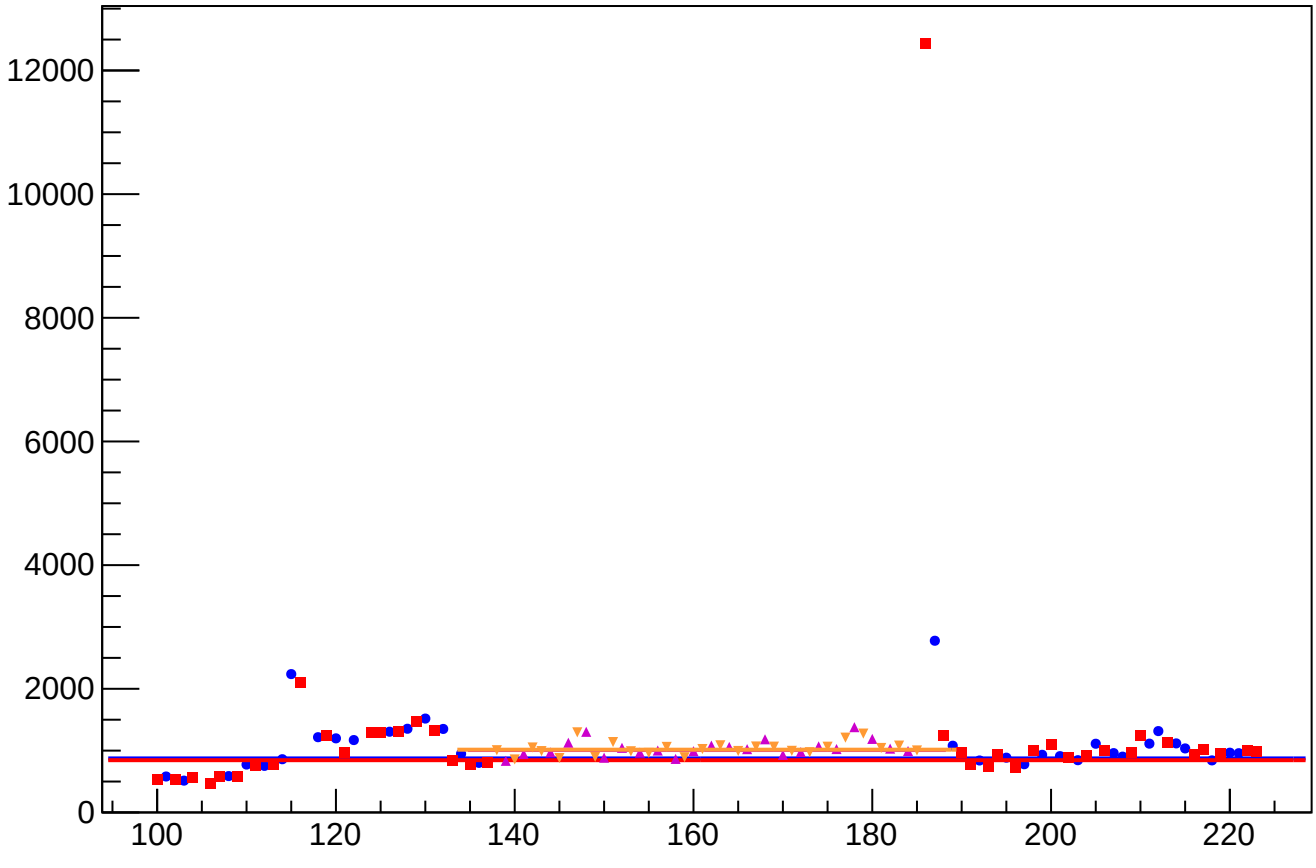
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 439.617+/-134.026 χ^2/NDF: 136.0/72

In: -90.045+/-150.086 χ^2/NDF:65.2/56

Out: 466.751+/-145.252 χ^2/NDF:125.2/63

All: 197.463+/-104.376 χ^2/NDF: 197.4/120



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

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

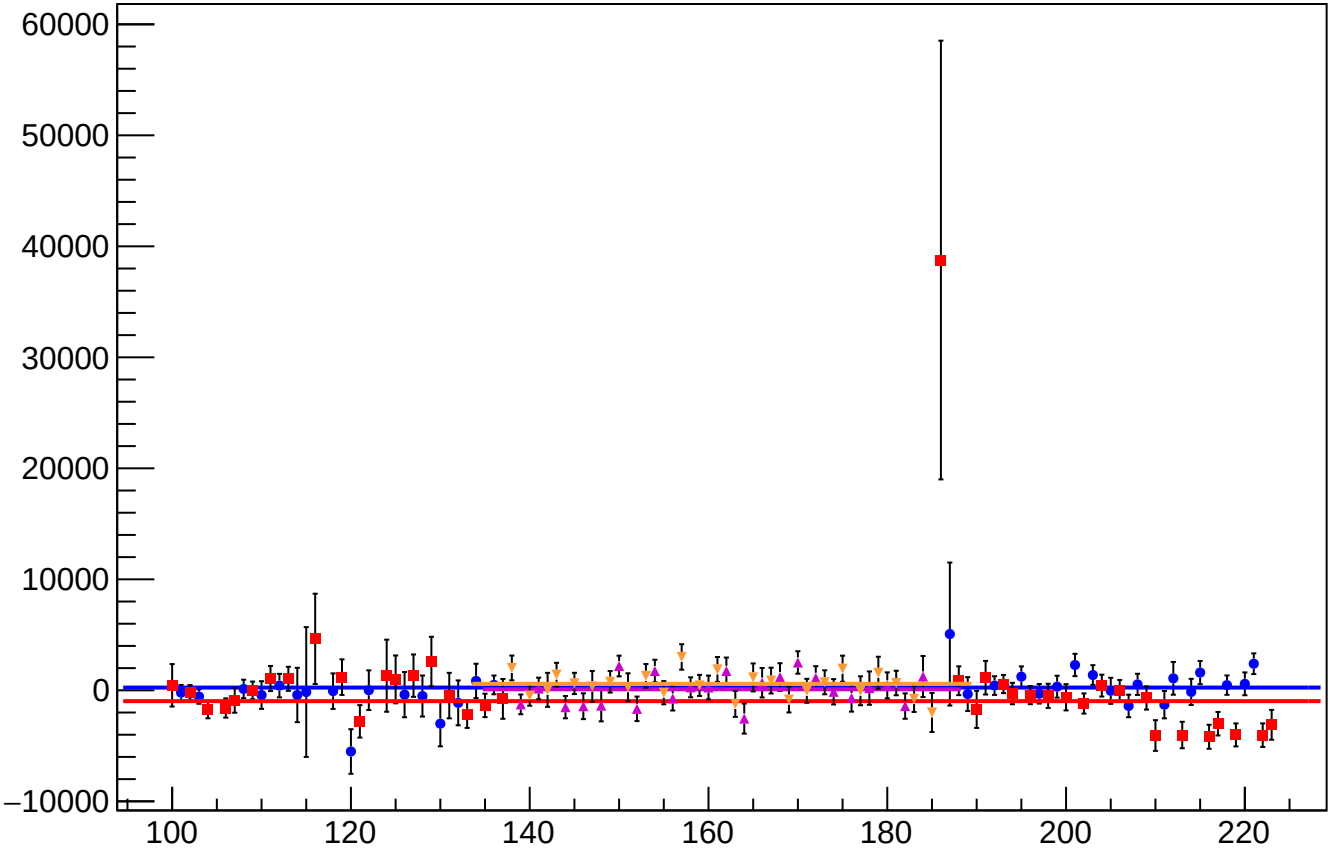
Right: 859.078+/-0.095 χ^2/NDF: 6616787.9/72

In: 927.809+/-0.106 χ^2/NDF:3616245.7/56

Out: 911.565+/-0.103 χ^2/NDF:4915998.5/63

All: 919.421+/-0.074 χ^2/NDF: 8544341.8/120

asym_sam5_mean vs Slug, Sign Corrected



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

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

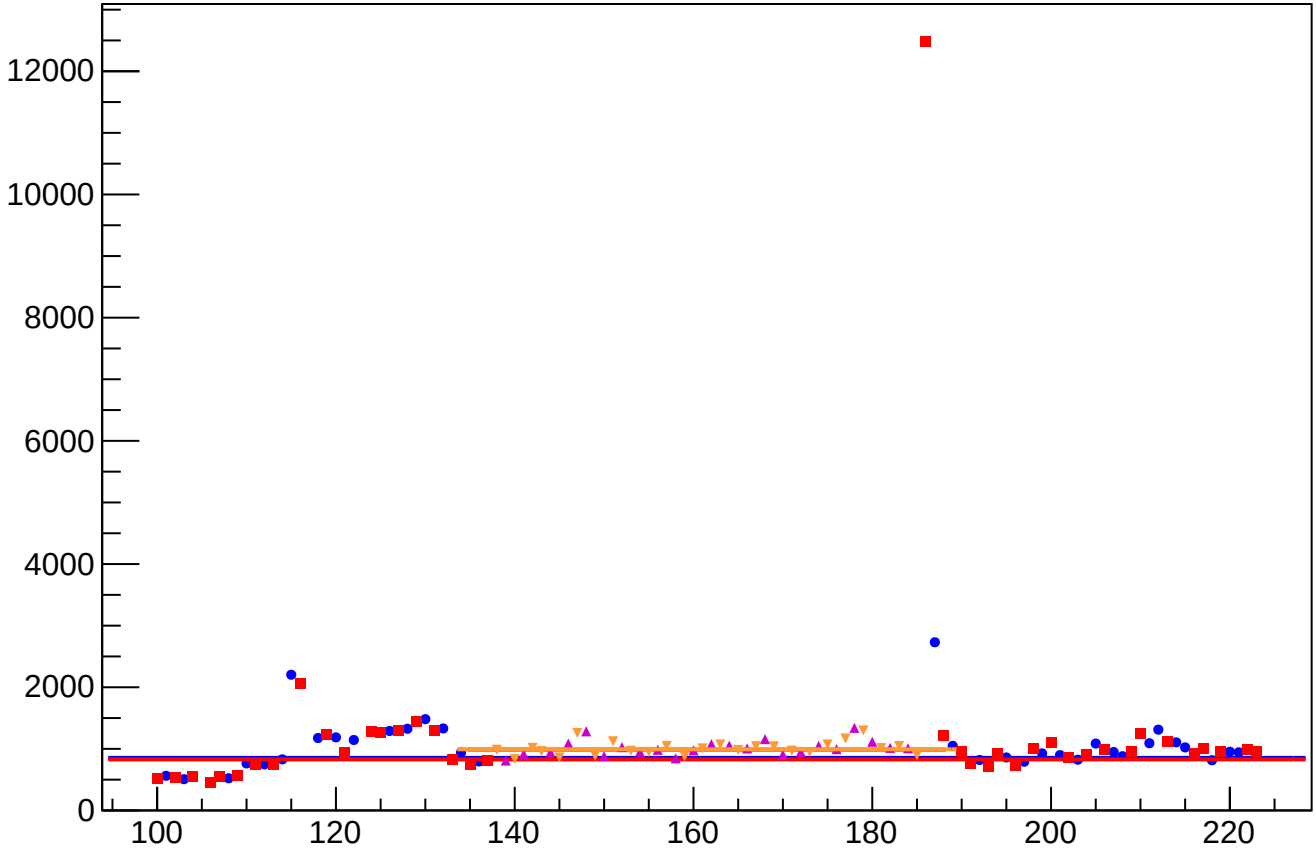
Right: -384.669+/-131.435 χ^2/NDF: 138.7/72

In: 186.465+/-146.905 χ^2/NDF:69.0/56

Out: -362.936+/-142.460 χ^2/NDF:132.4/63

All: -96.671+/-102.270 χ^2/NDF: 208.5/120

asym_sam5_rms vs Slug, Sign Corrected



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

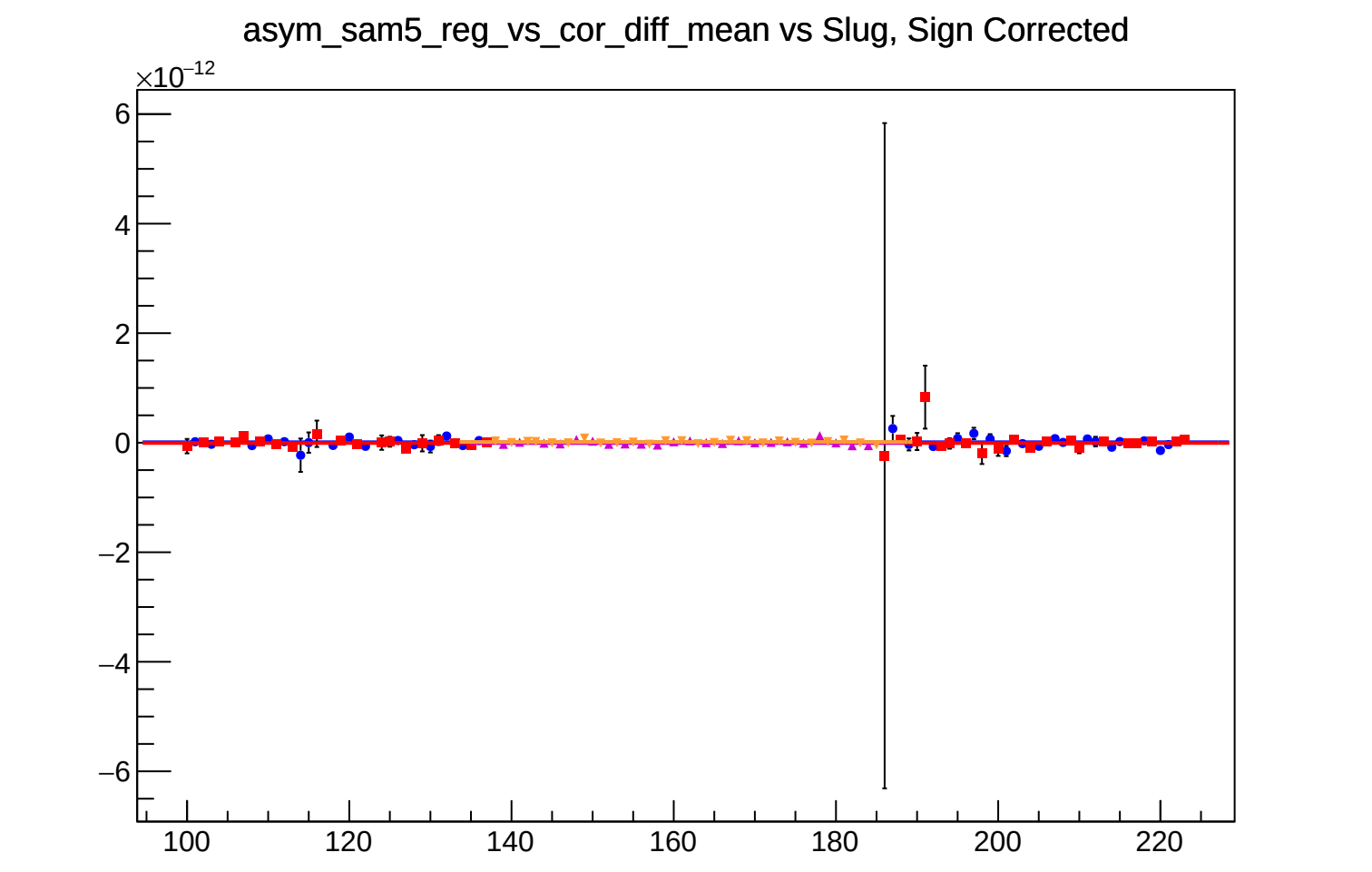
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 840.450+/-0.093 χ^2/NDF: 6886916.2/72

In: 906.828+/-0.104 χ^2/NDF:3763569.2/56

Out: 892.694+/-0.101 χ^2/NDF:5051538.5/63

All: 899.544+/-0.072 χ^2/NDF: 8824647.7/120



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

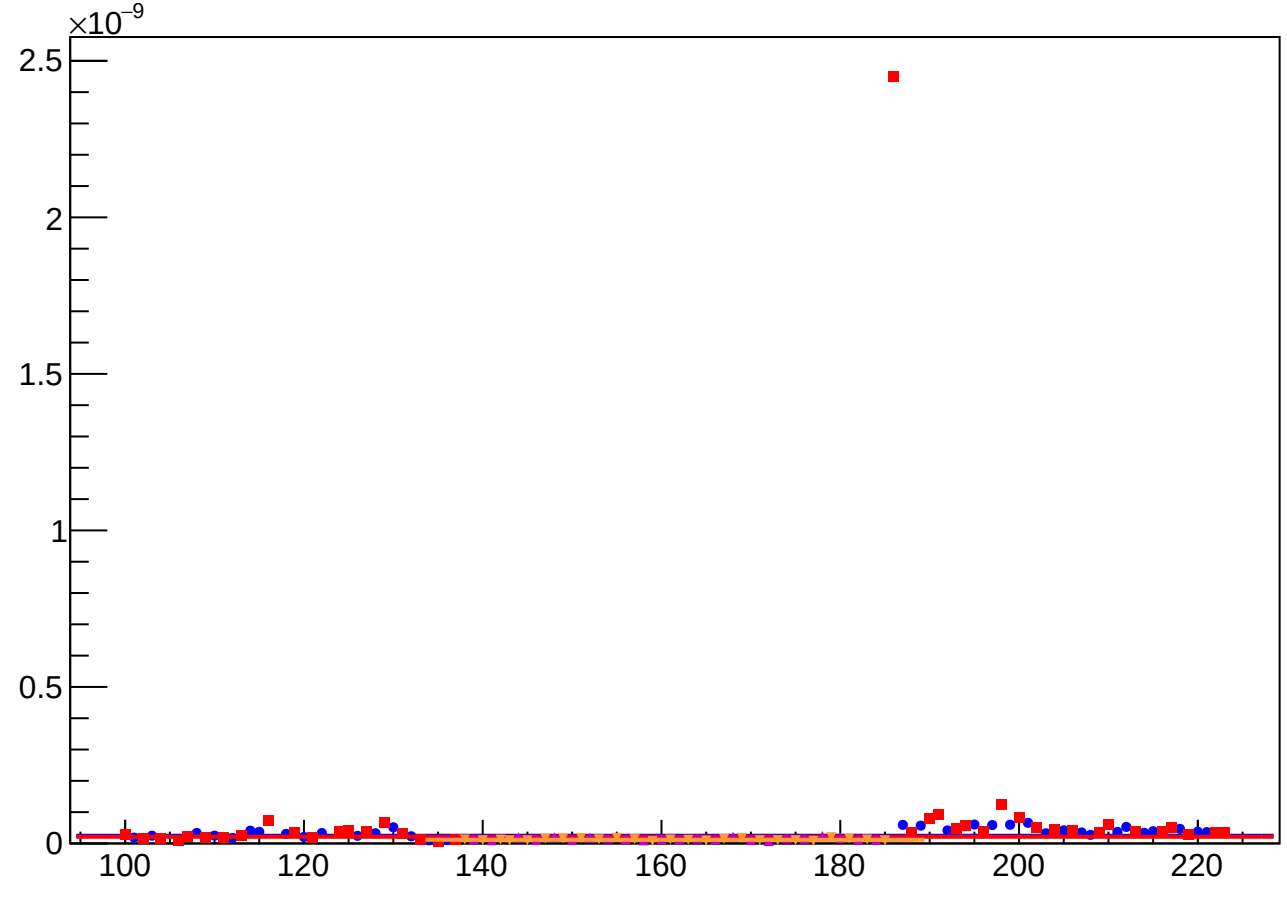
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 69.0/72

In: 0.000+/-0.000 χ^2/NDF:70.7/56

Out: 0.000+/-0.000 χ^2/NDF:53.5/63

All: 0.000+/-0.000 χ^2/NDF: 126.2/120



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

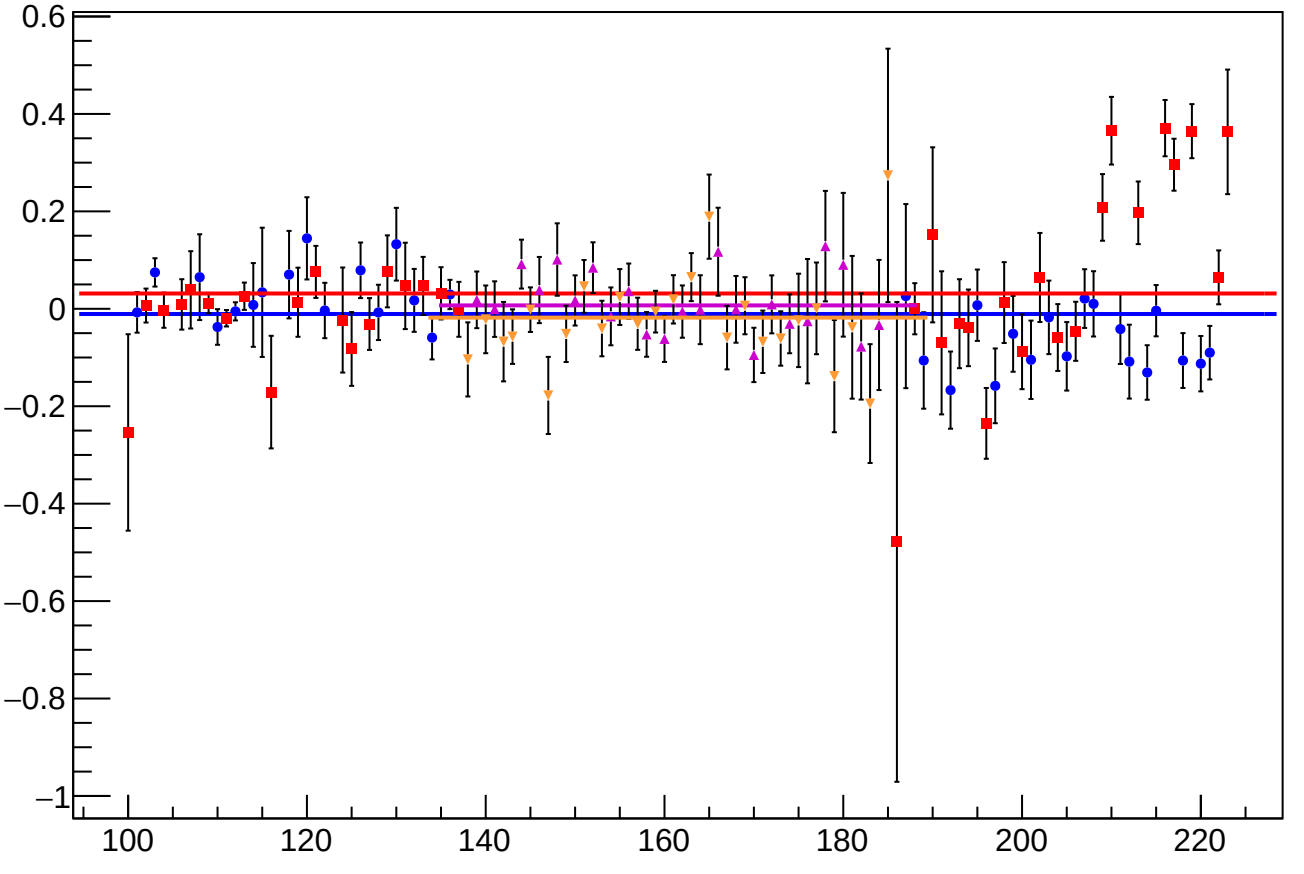
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12149383.9/72

In: 0.000+/-0.000 χ^2/NDF:7902508.2/56

Out: 0.000+/-0.000 χ^2/NDF:10158527.0/63

All: 0.000+/-0.000 χ^2/NDF: 18371850.2/120



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

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

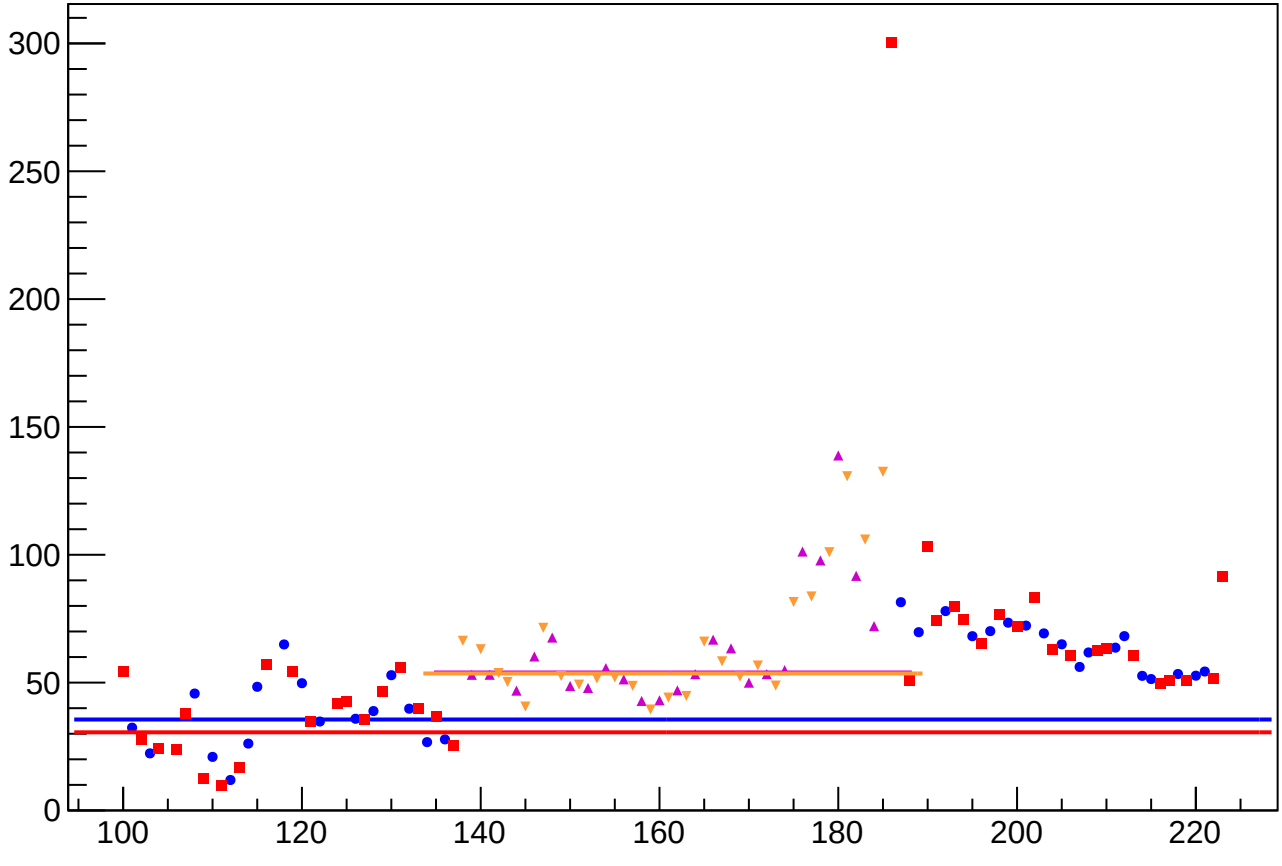
Right: 0.012+/-0.006 χ^2/NDF: 246.8/72

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.017+/-0.007 χ^2/NDF:219.0/63

All: 0.007+/-0.005 χ^2/NDF: 294.5/120

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

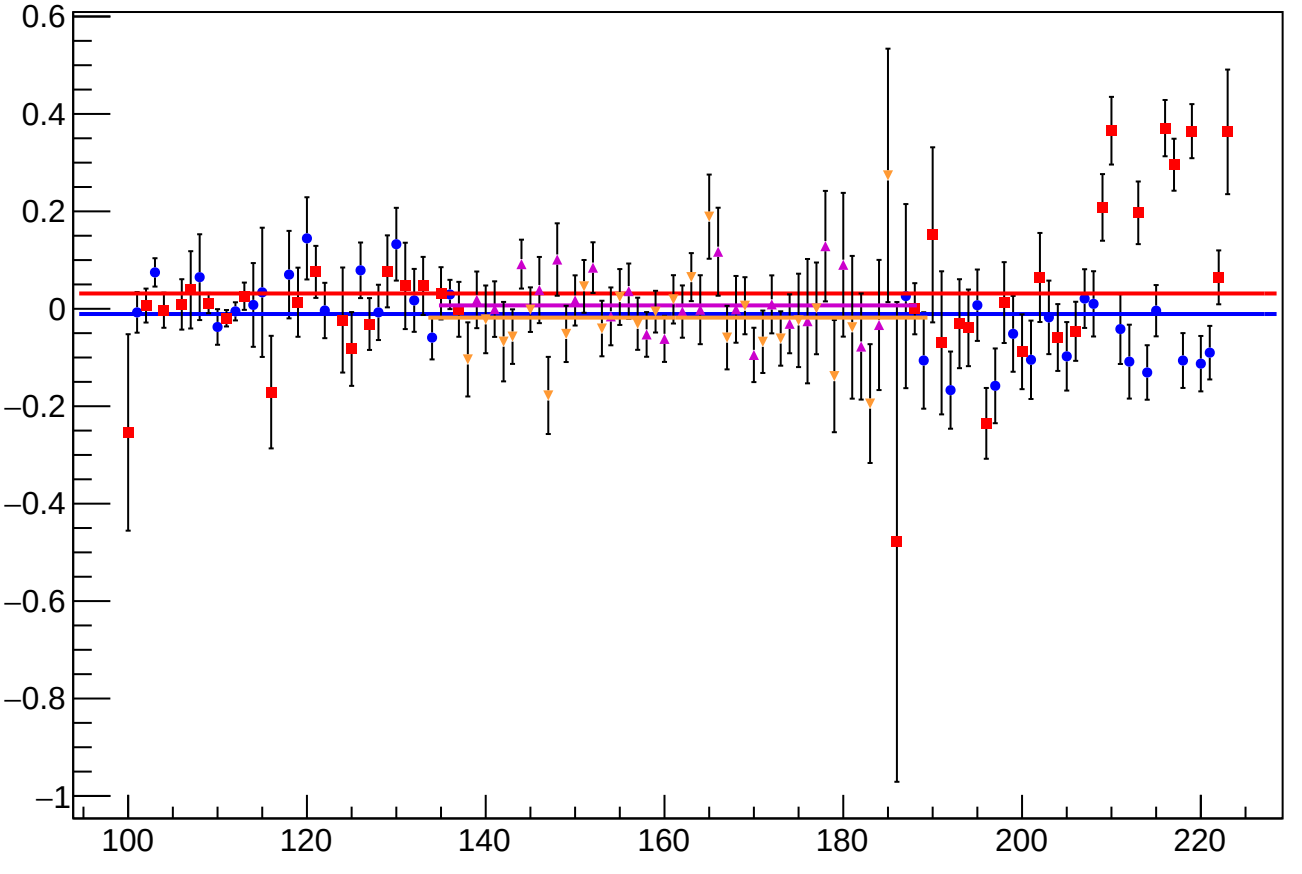
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 32.817+/-0.004 χ^2/NDF: 25244300.7/72

In: 41.279+/-0.005 χ^2/NDF:14931913.8/56

Out: 37.033+/-0.005 χ^2/NDF:21971231.7/63

All: 38.987+/-0.004 χ^2/NDF: 37263366.4/120



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

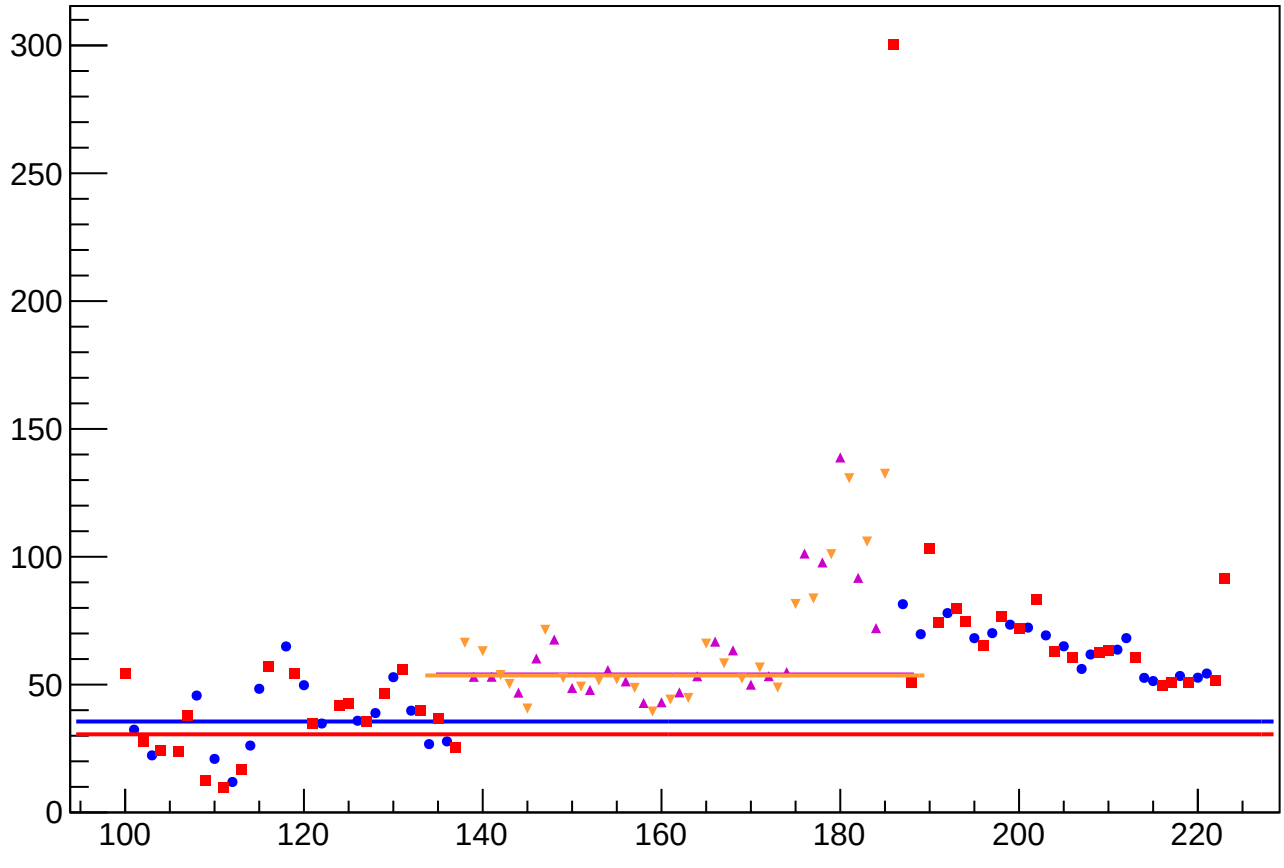
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 246.8/72

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.017+/-0.007 χ^2/NDF:219.0/63

All: 0.007+/-0.005 χ^2/NDF: 294.5/120



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

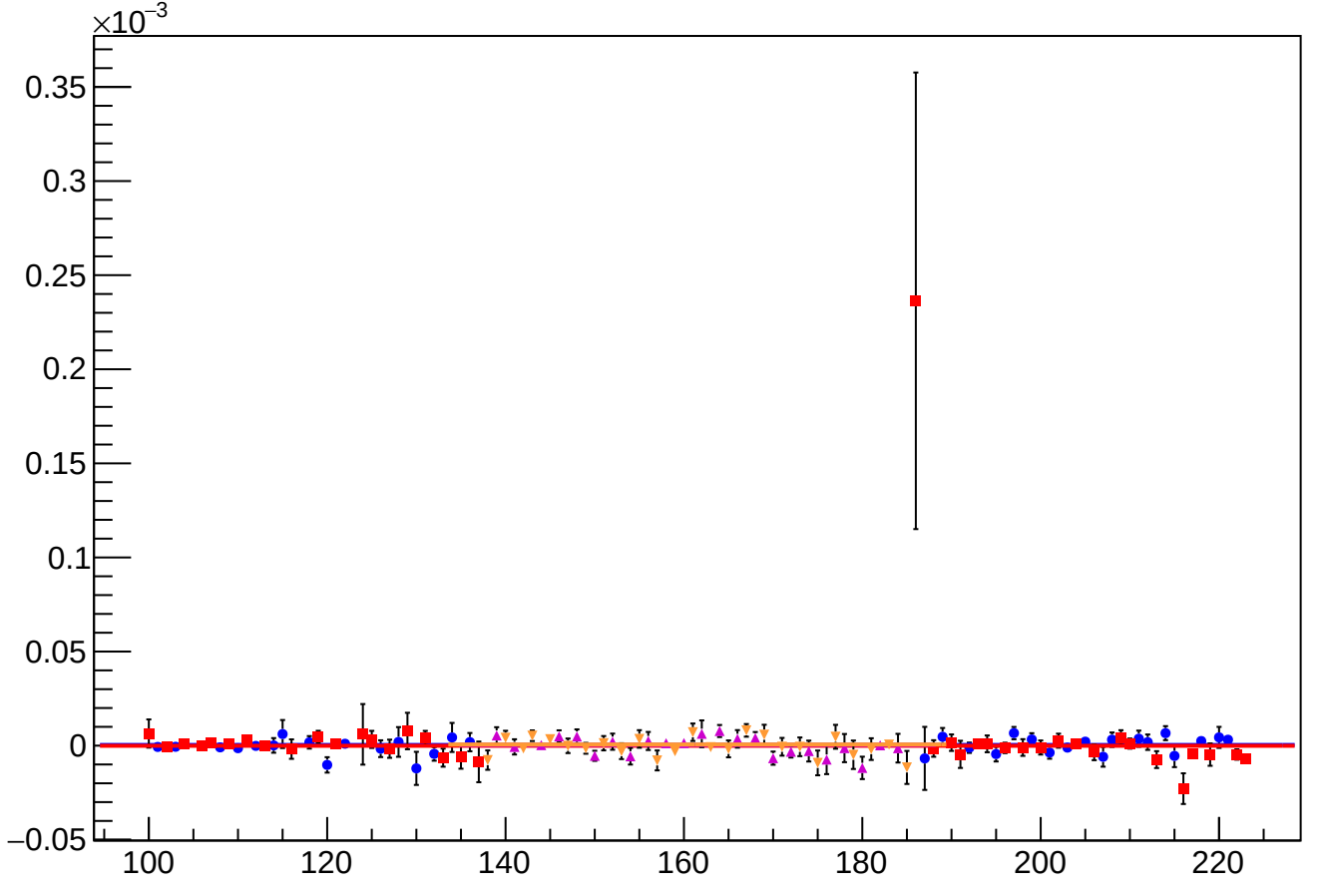
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 32.817+/-0.004 χ^2/NDF: 25244300.7/72

In: 41.279+/-0.005 χ^2/NDF:14931913.8/56

Out: 37.033+/-0.005 χ^2/NDF:21971231.7/63

All: 38.987+/-0.004 χ^2/NDF: 37263366.4/120



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

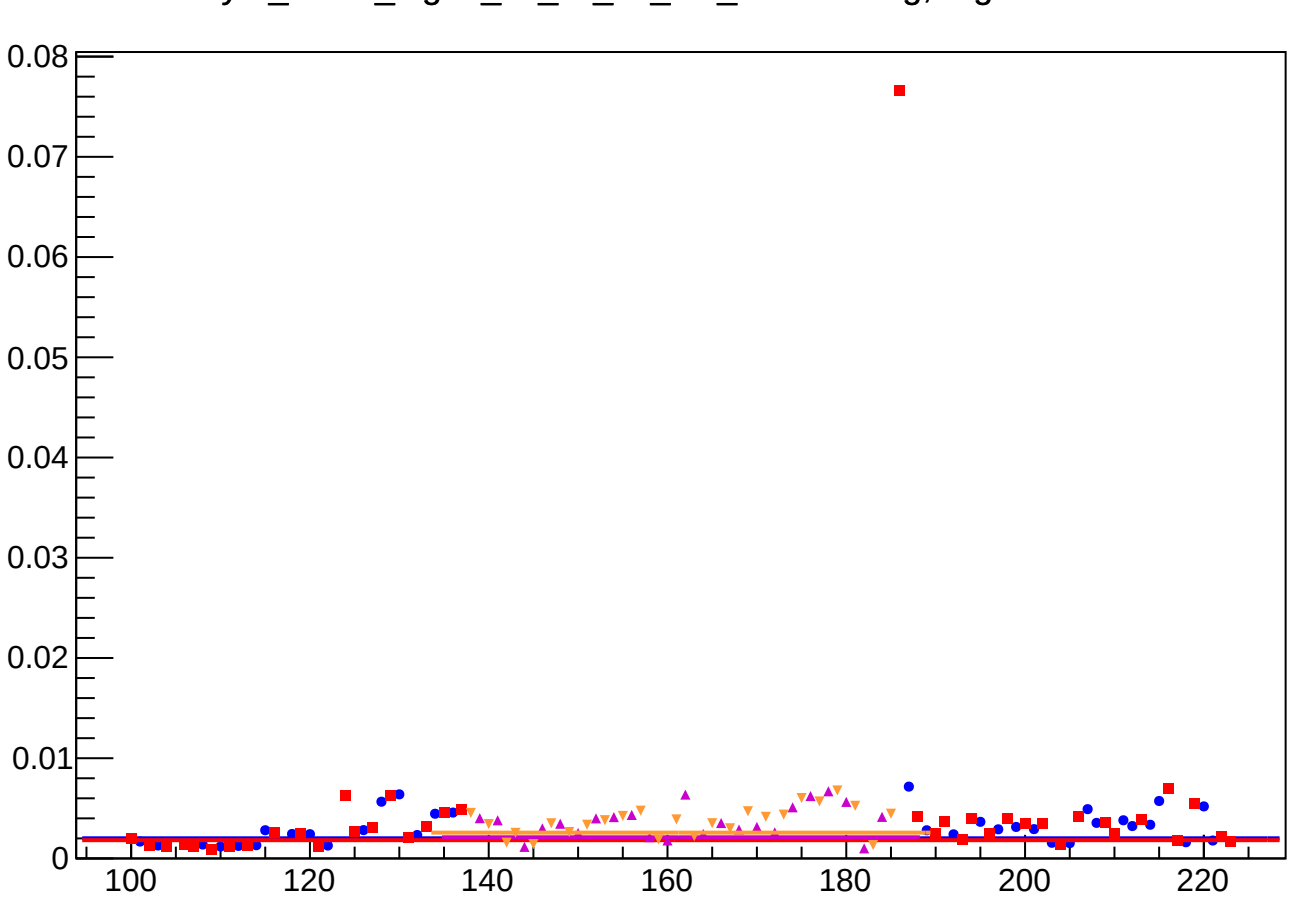
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 83.6/72

In: 0.000+/-0.000 χ^2/NDF:65.3/56

Out: 0.000+/-0.000 χ^2/NDF:80.4/63

All: 0.000+/-0.000 χ^2/NDF: 145.9/120



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

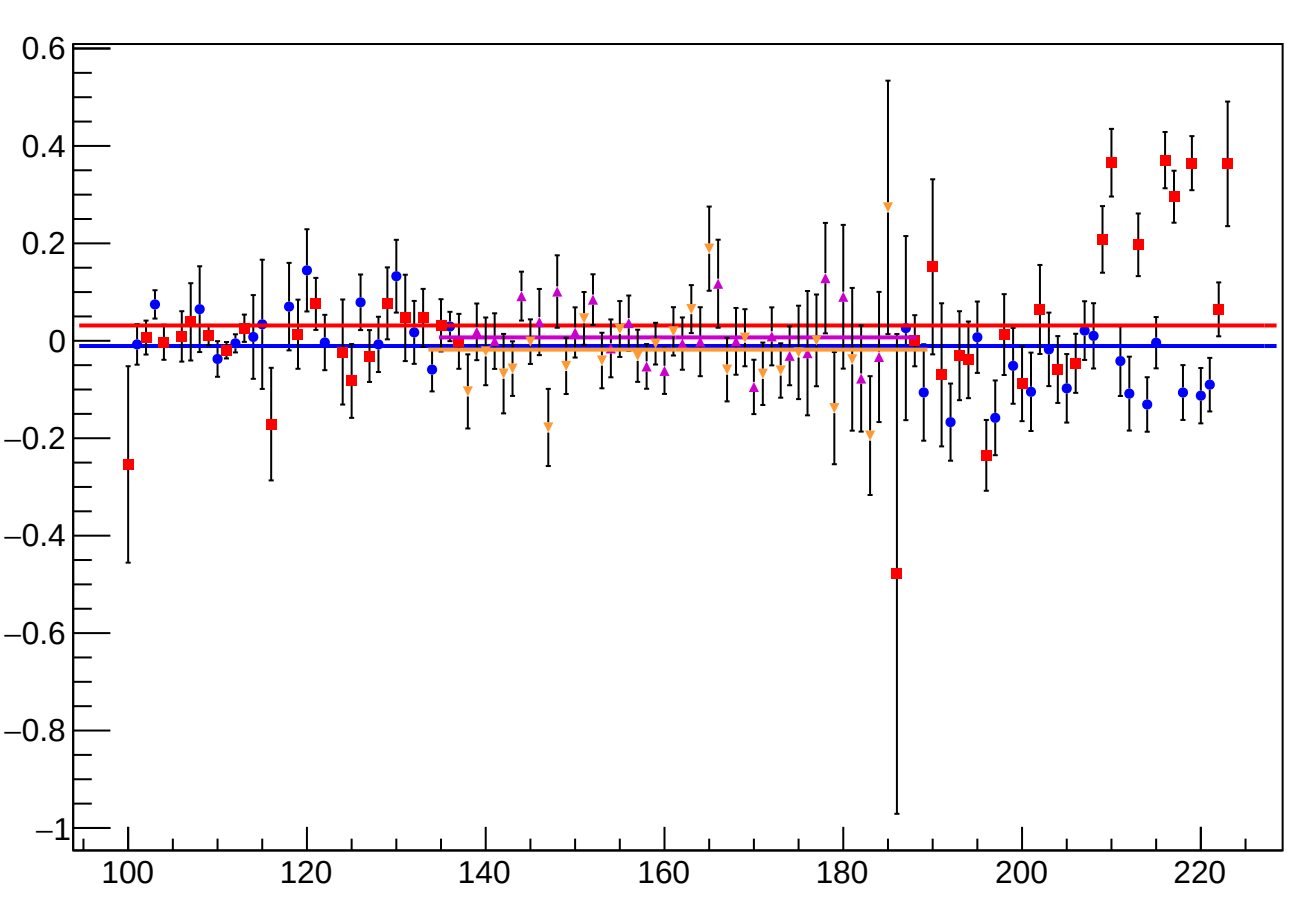
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 18946694.7/72

In: 0.002+/-0.000 χ^2/NDF:17665886.3/56

Out: 0.002+/-0.000 χ^2/NDF:19528355.2/63

All: 0.002+/-0.000 χ^2/NDF: 37194569.6/120



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

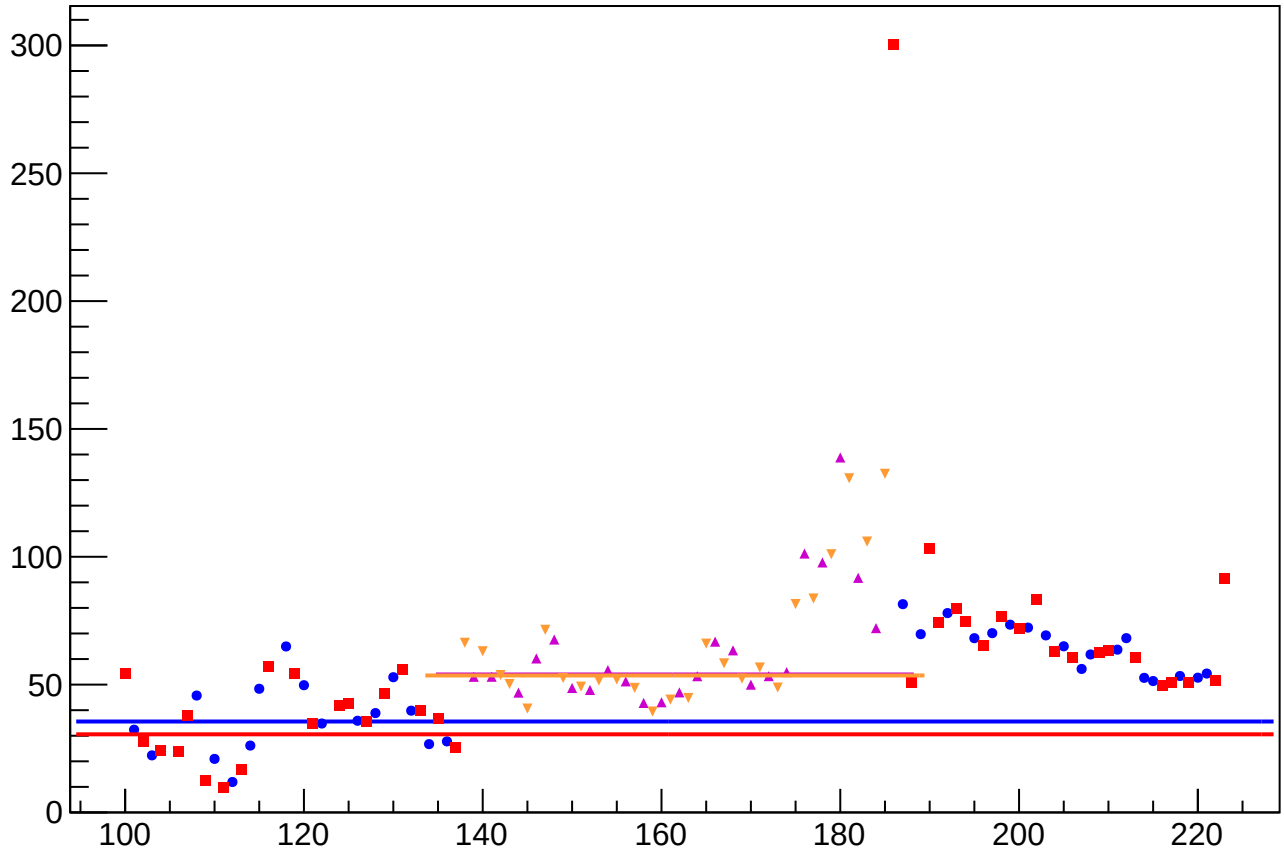
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 246.8/72

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.017+/-0.007 χ^2/NDF:219.0/63

All: 0.007+/-0.005 χ^2/NDF: 294.5/120



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

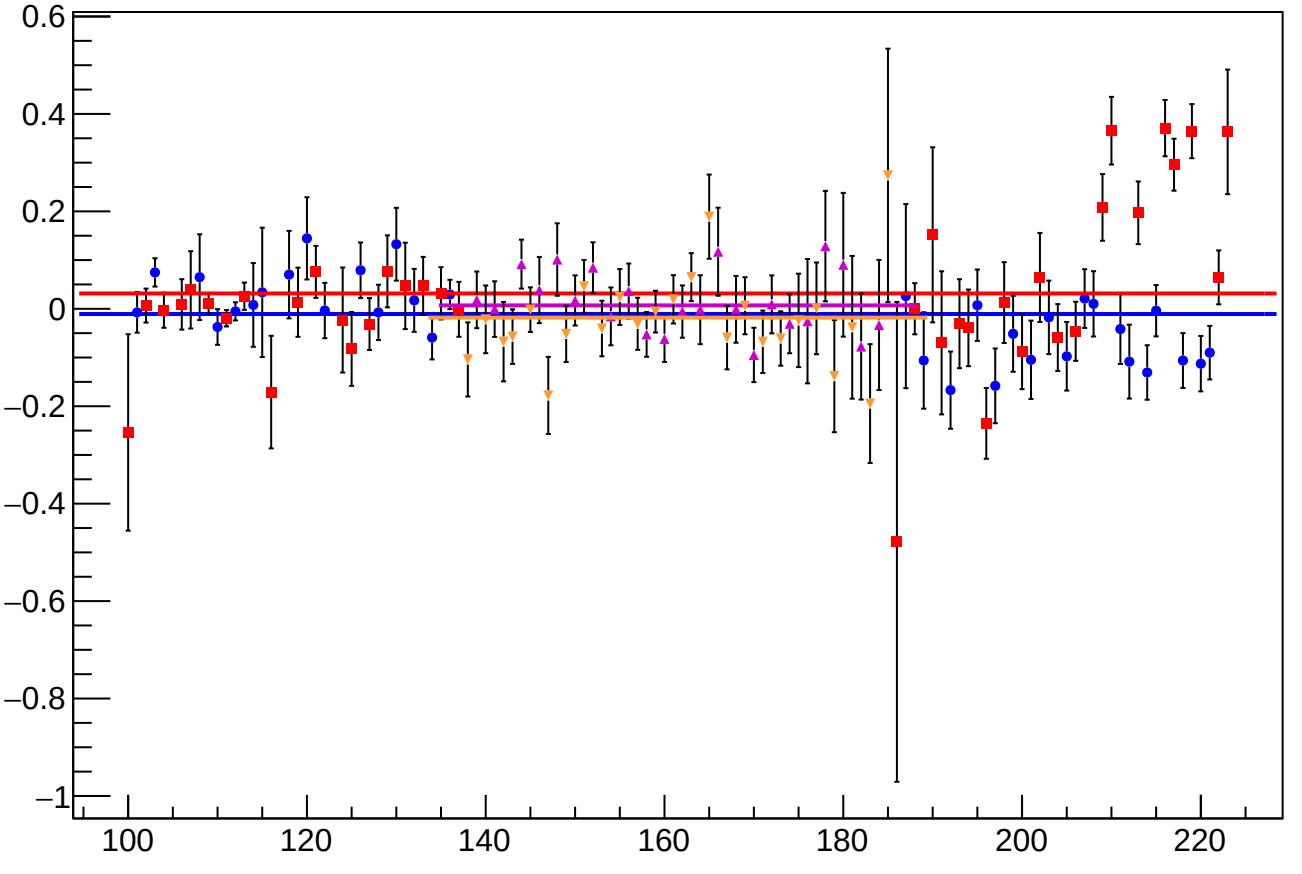
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 32.816+/-0.004 χ^2/NDF: 25244713.0/72

In: 41.278+/-0.005 χ^2/NDF:14932417.1/56

Out: 37.033+/-0.005 χ^2/NDF:21971946.2/63

All: 38.987+/-0.004 χ^2/NDF: 37264612.1/120



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

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

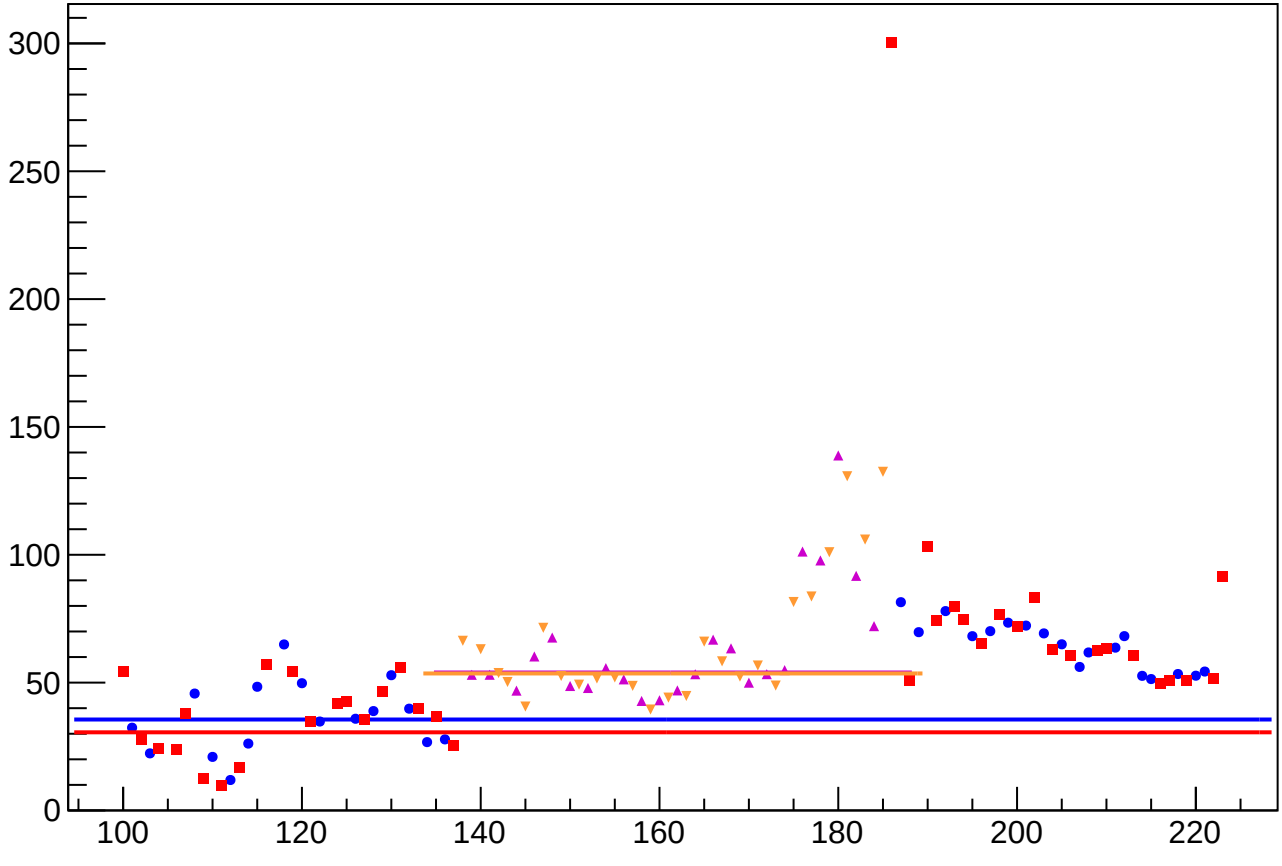
Right: 0.012+/-0.006 χ^2/NDF: 246.8/72

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.017+/-0.007 χ^2/NDF:219.0/63

All: 0.007+/-0.005 χ^2/NDF: 294.5/120

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

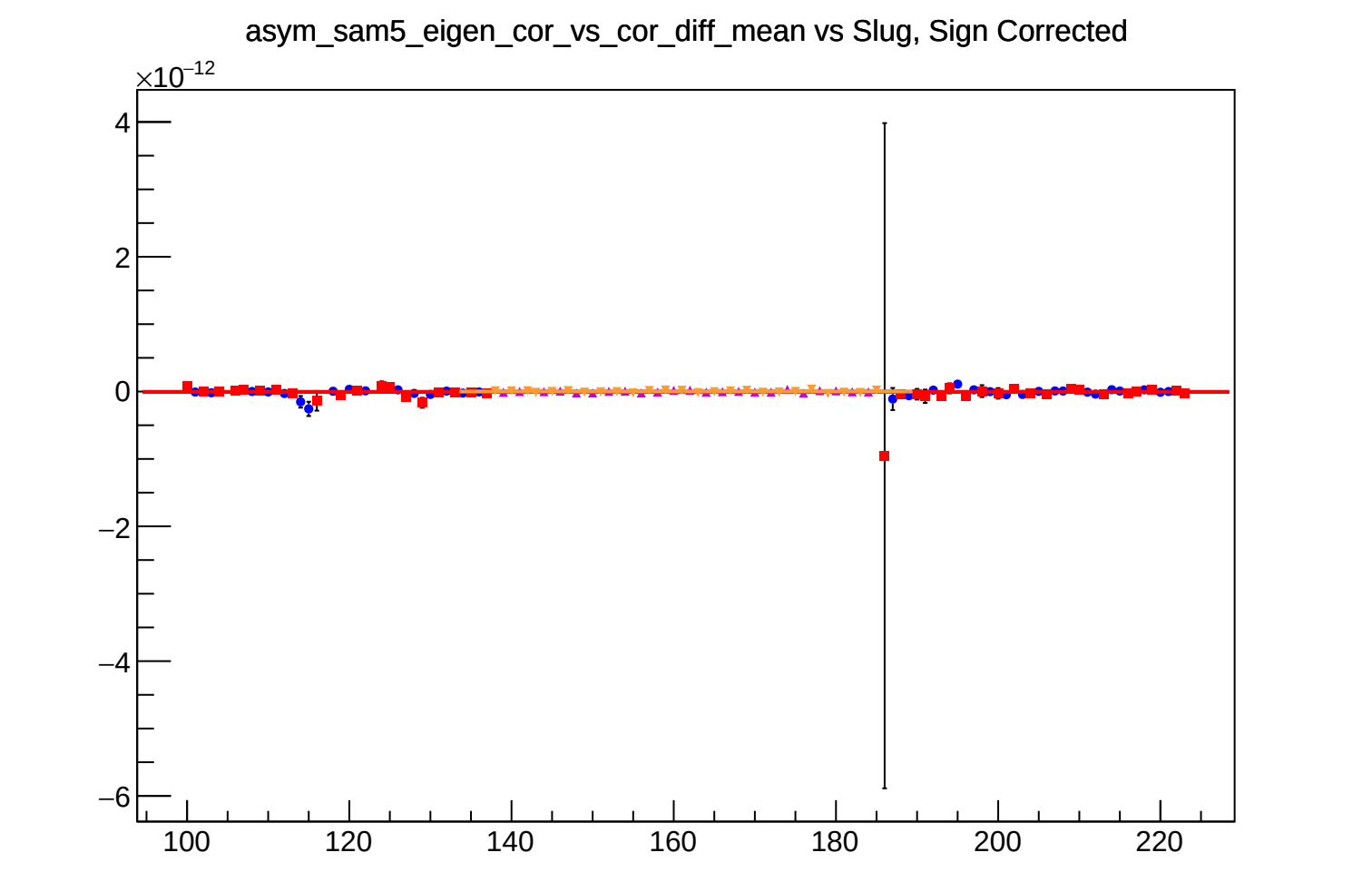
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 32.816+/-0.004 χ^2/NDF: 25244713.0/72

In: 41.278+/-0.005 χ^2/NDF:14932417.1/56

Out: 37.033+/-0.005 χ^2/NDF:21971946.2/63

All: 38.987+/-0.004 χ^2/NDF: 37264612.1/120



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

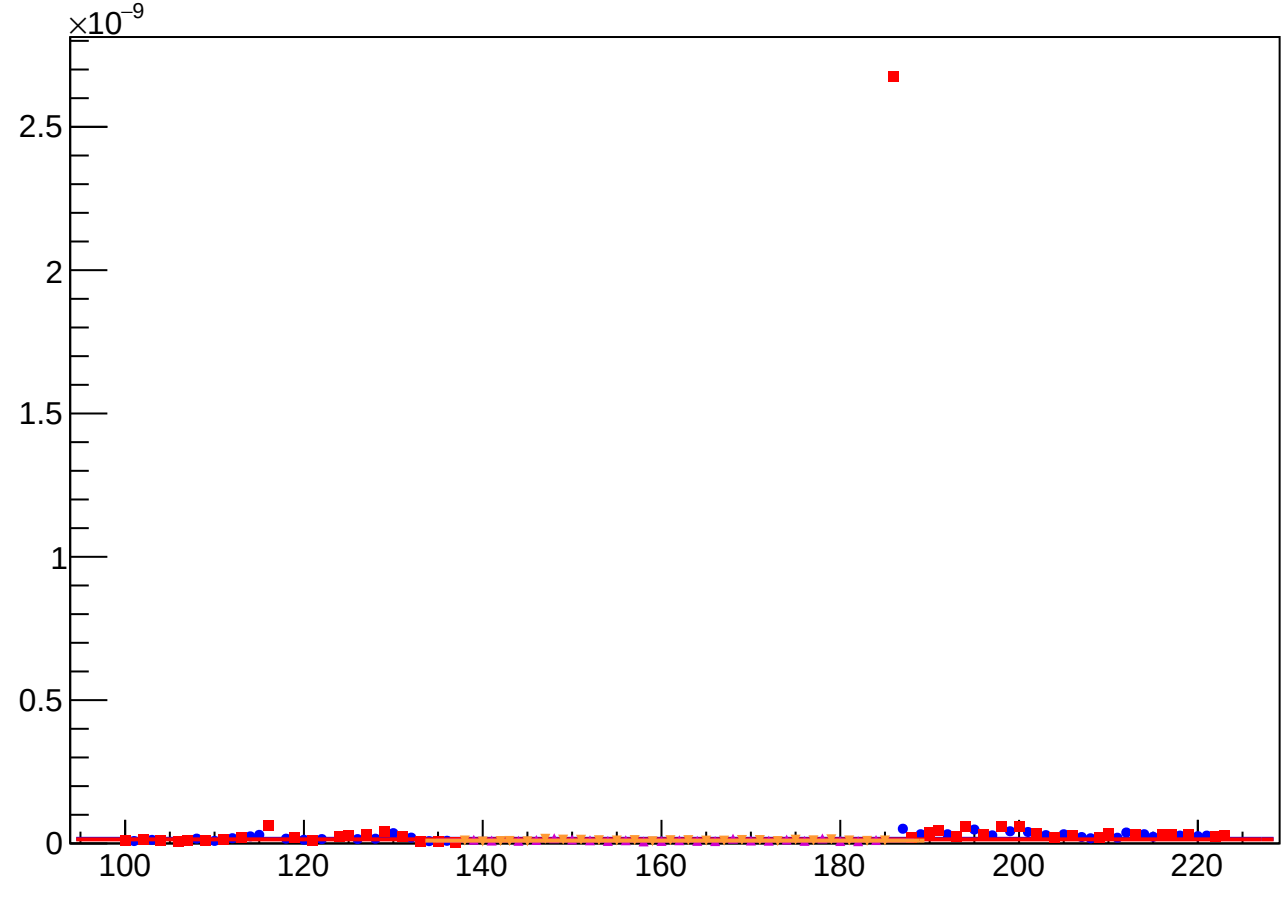
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 66.4/72

In: -0.000+/-0.000 χ^2/NDF:43.5/56

Out: -0.000+/-0.000 χ^2/NDF:70.6/63

All: -0.000+/-0.000 χ^2/NDF: 114.3/120



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

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

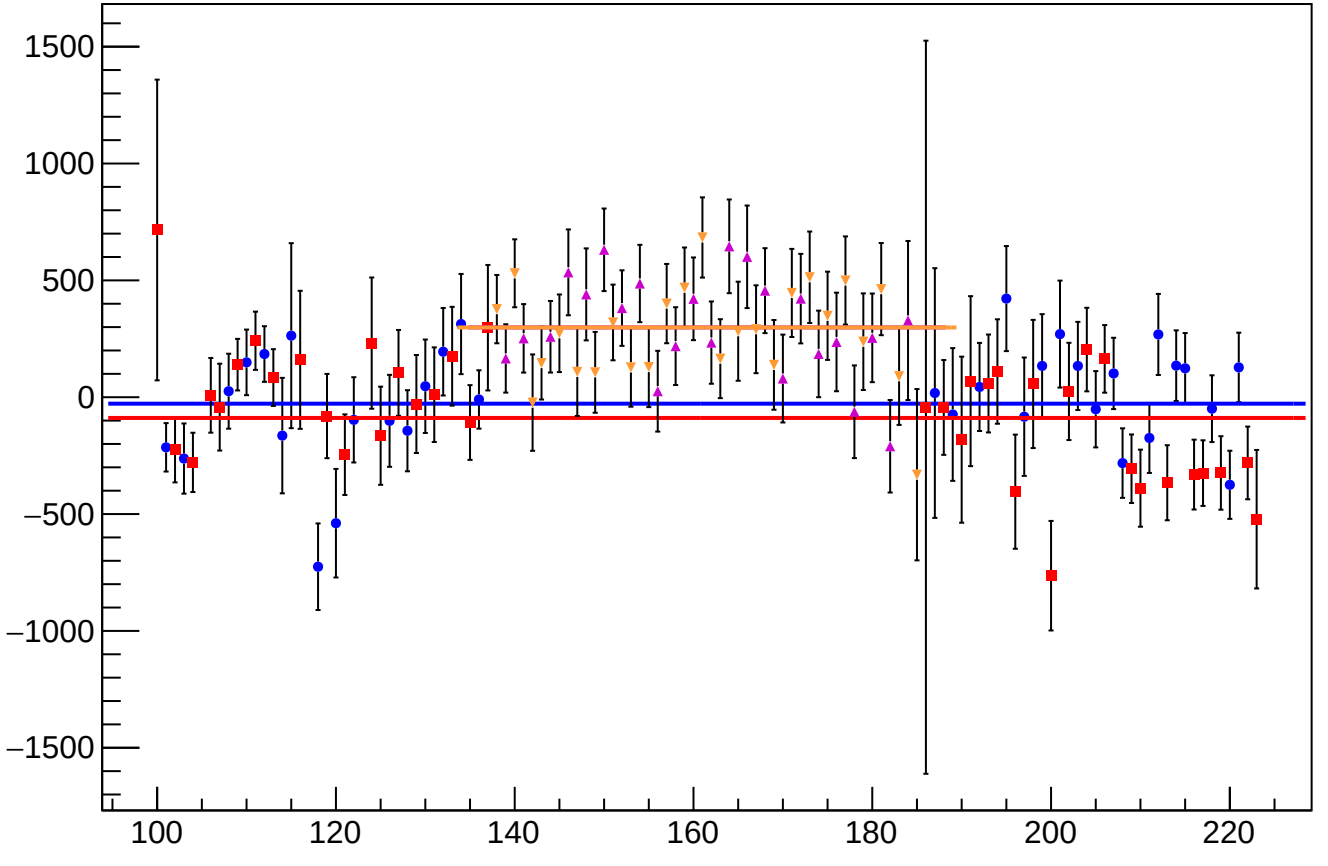
Right: 0.000+/-0.000 χ^2/NDF: 17533538.4/72

In: 0.000+/-0.000 χ^2/NDF:10195424.9/56

Out: 0.000+/-0.000 χ^2/NDF:13236653.1/63

All: 0.000+/-0.000 χ^2/NDF: 23530228.5/120

reg_asym_sam6_mean vs Slug, Sign Corrected



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

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

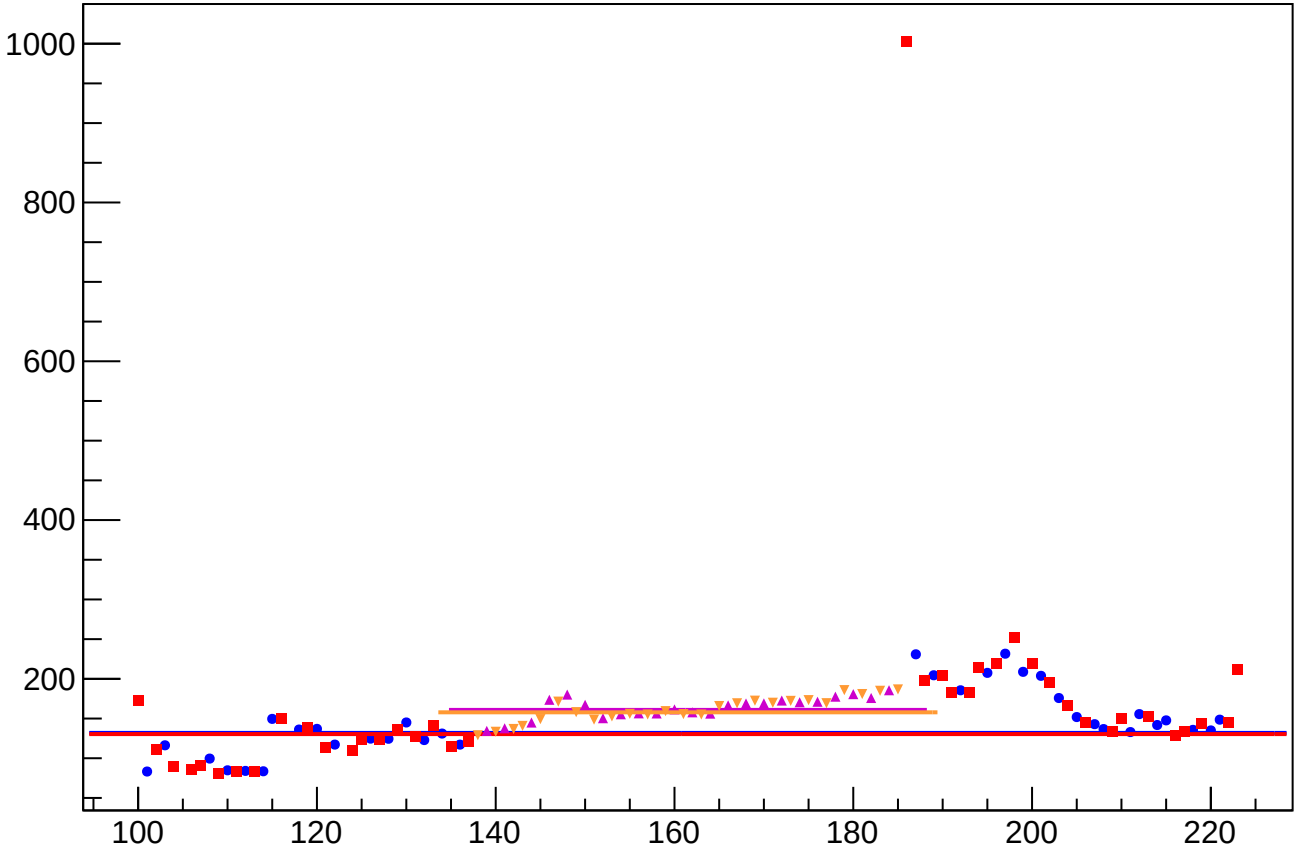
Right: -58.538+/-20.486 χ^2/NDF: 125.5/72

In: 94.385+/-23.069 χ^2/NDF:135.2/56

Out: 62.106+/-22.497 χ^2/NDF:160.7/63

All: 77.840+/-16.107 χ^2/NDF: 297.0/120

reg_asym_sam6_rms vs Slug, Sign Corrected



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

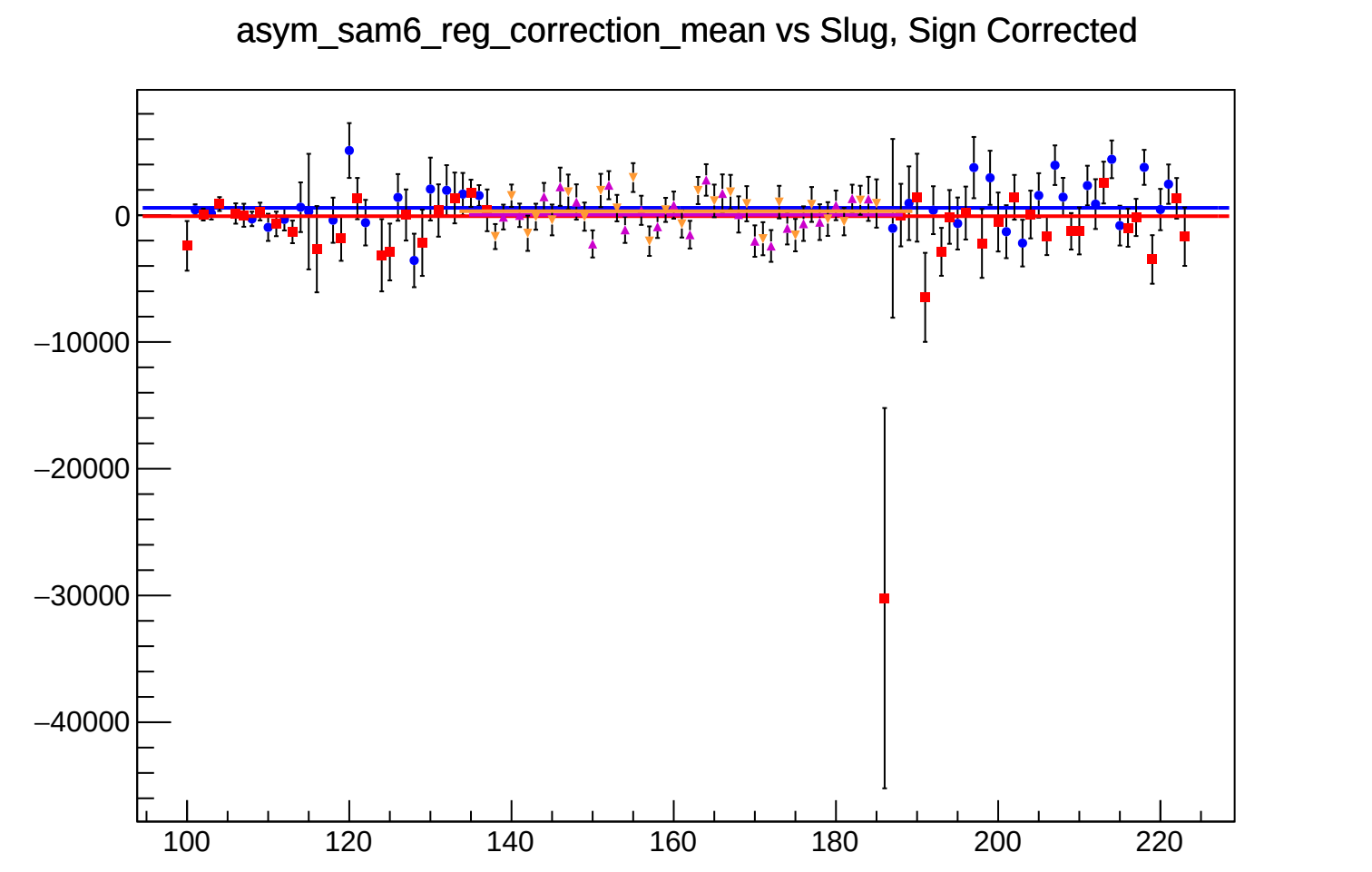
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 131.151+/-0.014 χ^2/NDF: 7263145.6/72

In: 142.739+/-0.016 χ^2/NDF:3825096.3/56

Out: 141.092+/-0.016 χ^2/NDF:5525695.7/63

All: 141.895+/-0.011 χ^2/NDF: 9356019.4/120



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

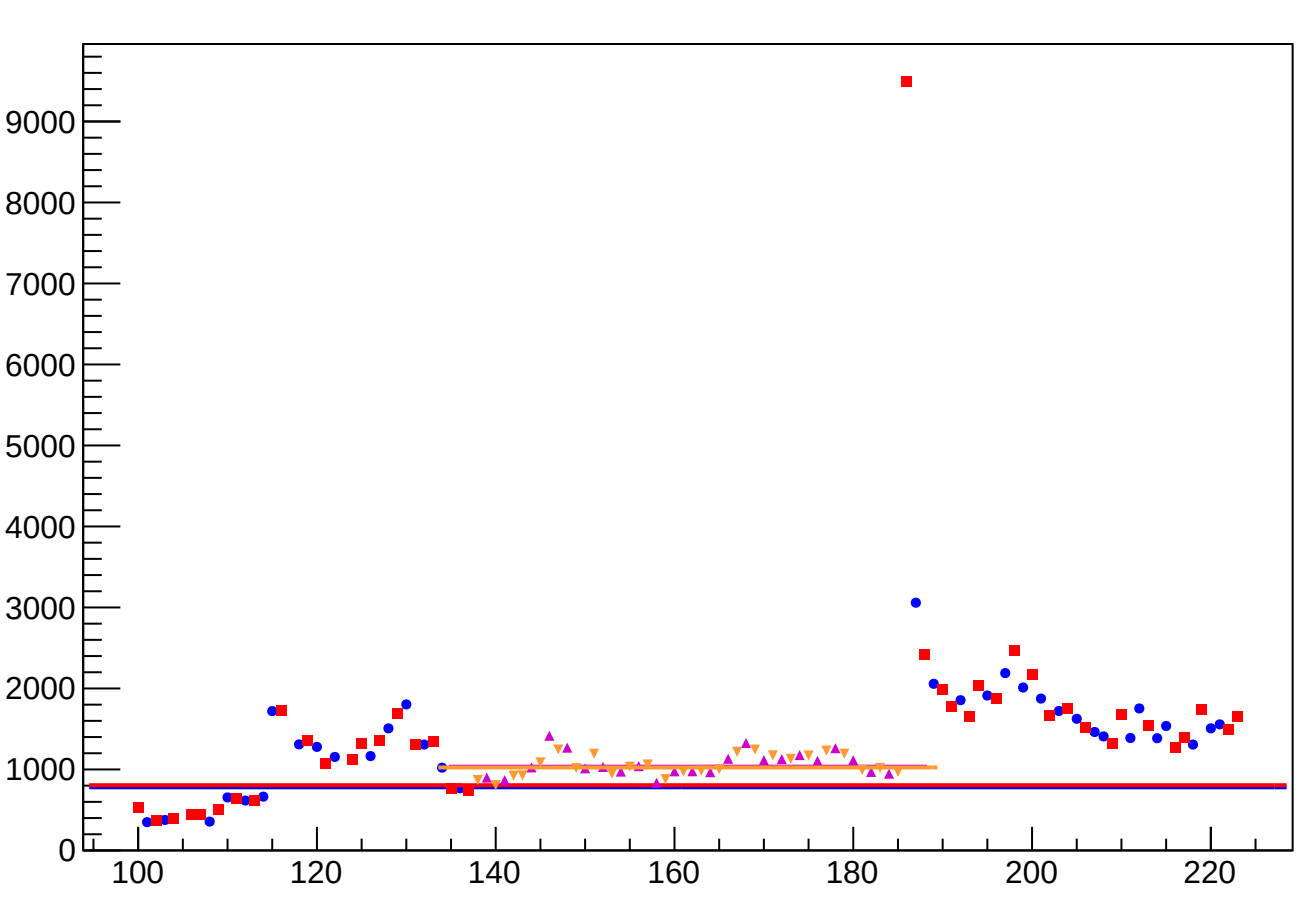
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 258.141+/-143.956 χ^2/NDF: 88.0/72

In: 362.324+/-155.894 χ^2/NDF:83.3/56

Out: 95.165+/-154.345 χ^2/NDF:71.3/63

All: 227.411+/-109.682 χ^2/NDF: 156.1/120



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

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

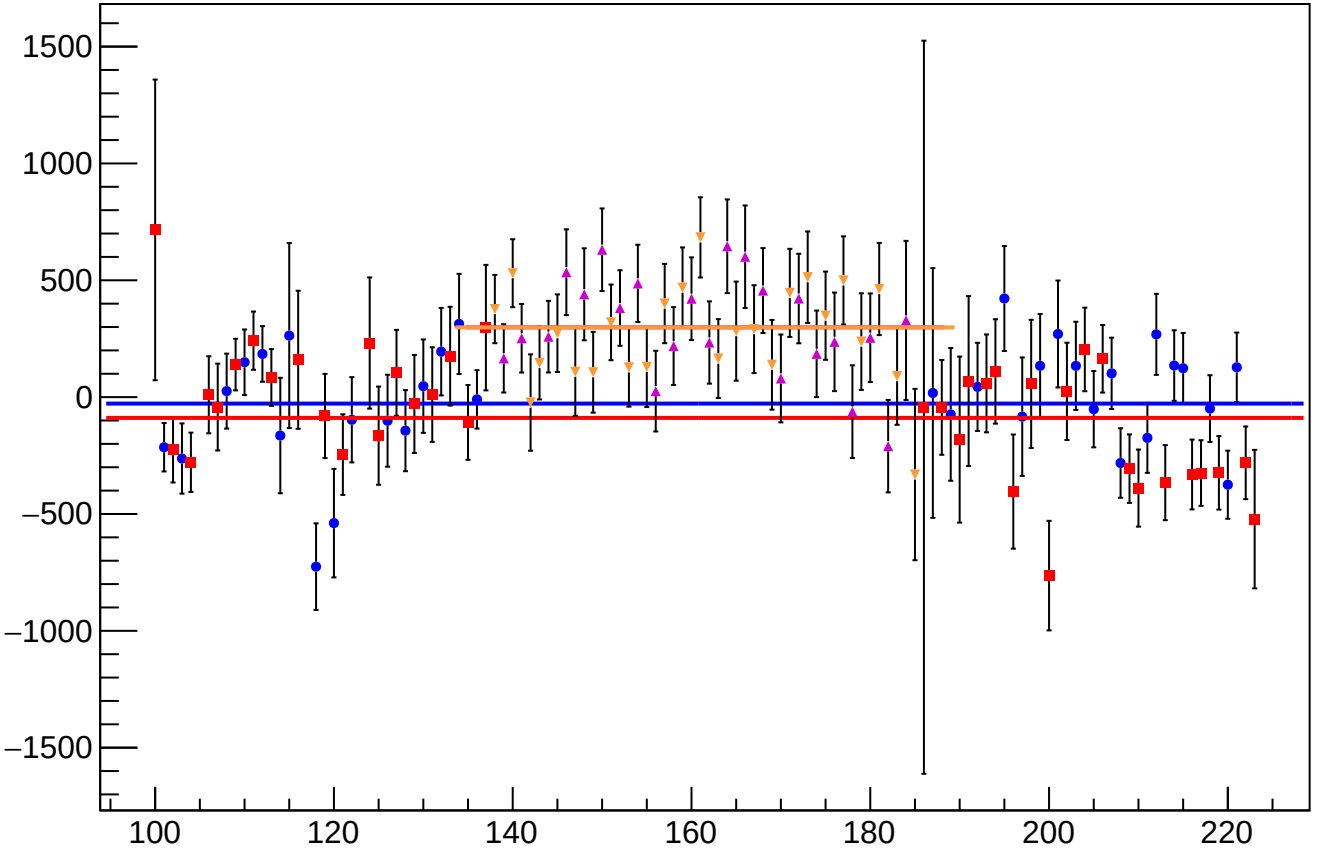
Right: 792.505+/-0.102 χ^2/NDF: 28517085.6/72

In: 883.584+/-0.110 χ^2/NDF:16030099.6/56

Out: 899.906+/-0.109 χ^2/NDF:15973254.4/63

All: 891.827+/-0.078 χ^2/NDF: 32014425.1/12

cor_asym_sam6_mean vs Slug, Sign Corrected



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

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

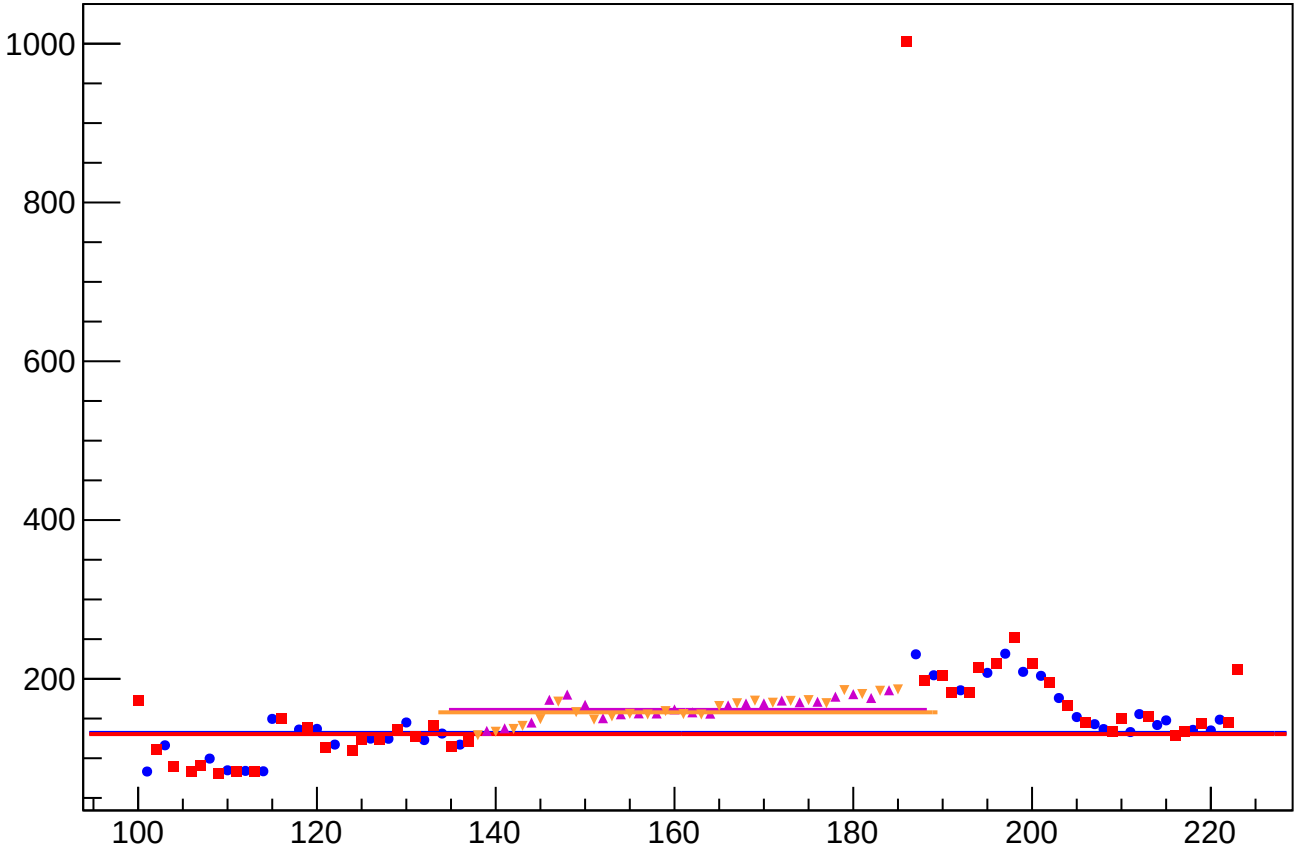
Right: -58.587+/-20.497 χ^2/NDF: 125.5/72

In: 94.381+/-23.069 χ^2/NDF:135.3/56

Out: 62.199+/-22.511 χ^2/NDF:160.7/63

All: 77.896+/-16.111 χ^2/NDF: 297.0/120

cor_asym_sam6_rms vs Slug, Sign Corrected



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

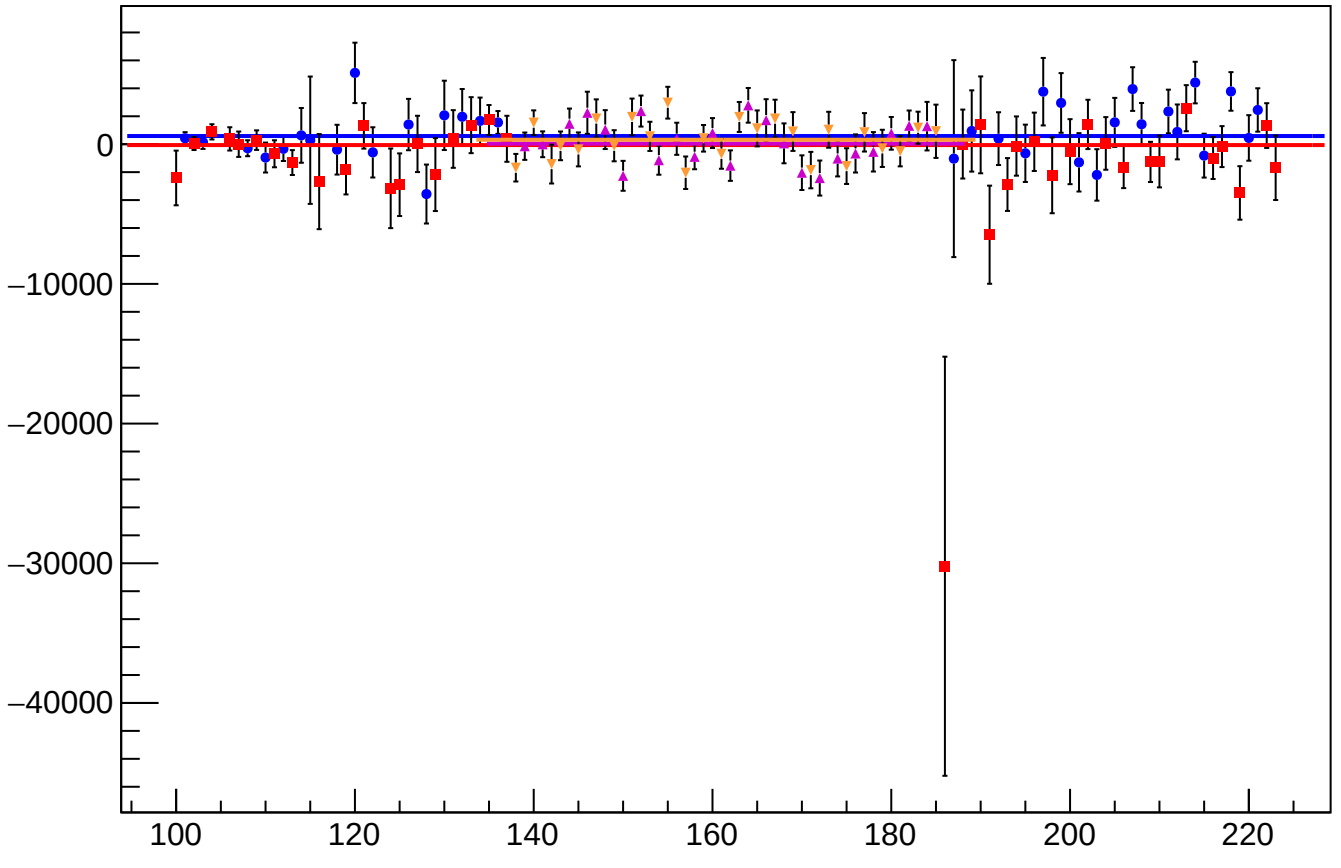
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 131.147+/-0.014 χ^2/NDF: 7275094.4/72

In: 142.739+/-0.016 χ^2/NDF:3825092.0/56

Out: 141.100+/-0.016 χ^2/NDF:5537499.2/63

All: 141.900+/-0.011 χ^2/NDF: 9367765.9/120



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

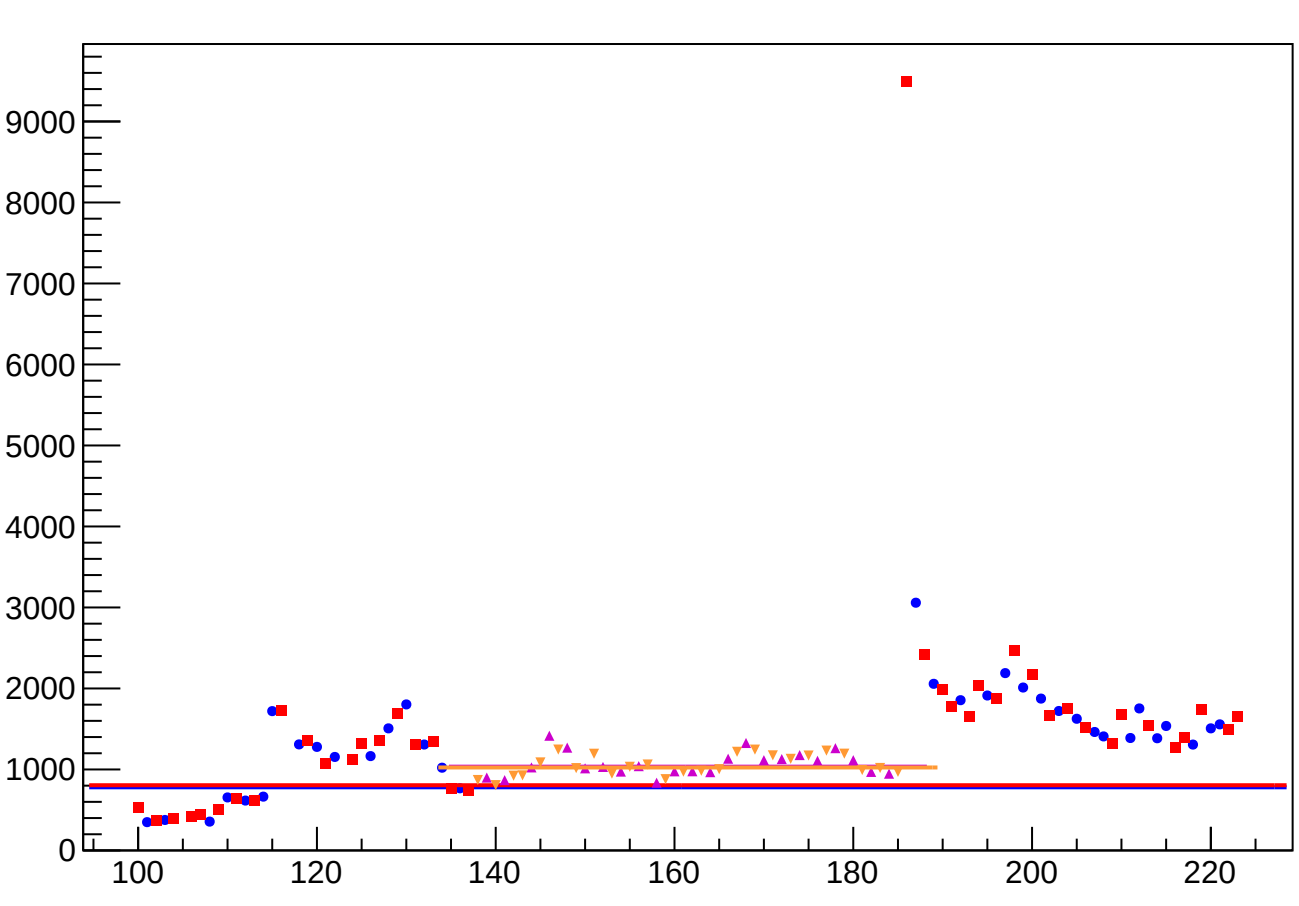
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 265.370+/-144.104 χ^2/NDF: 88.0/72

In: 362.387+/-155.892 χ^2/NDF:83.3/56

Out: 103.027+/-154.529 χ^2/NDF:71.4/63

All: 231.569+/-109.747 χ^2/NDF: 156.1/120



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

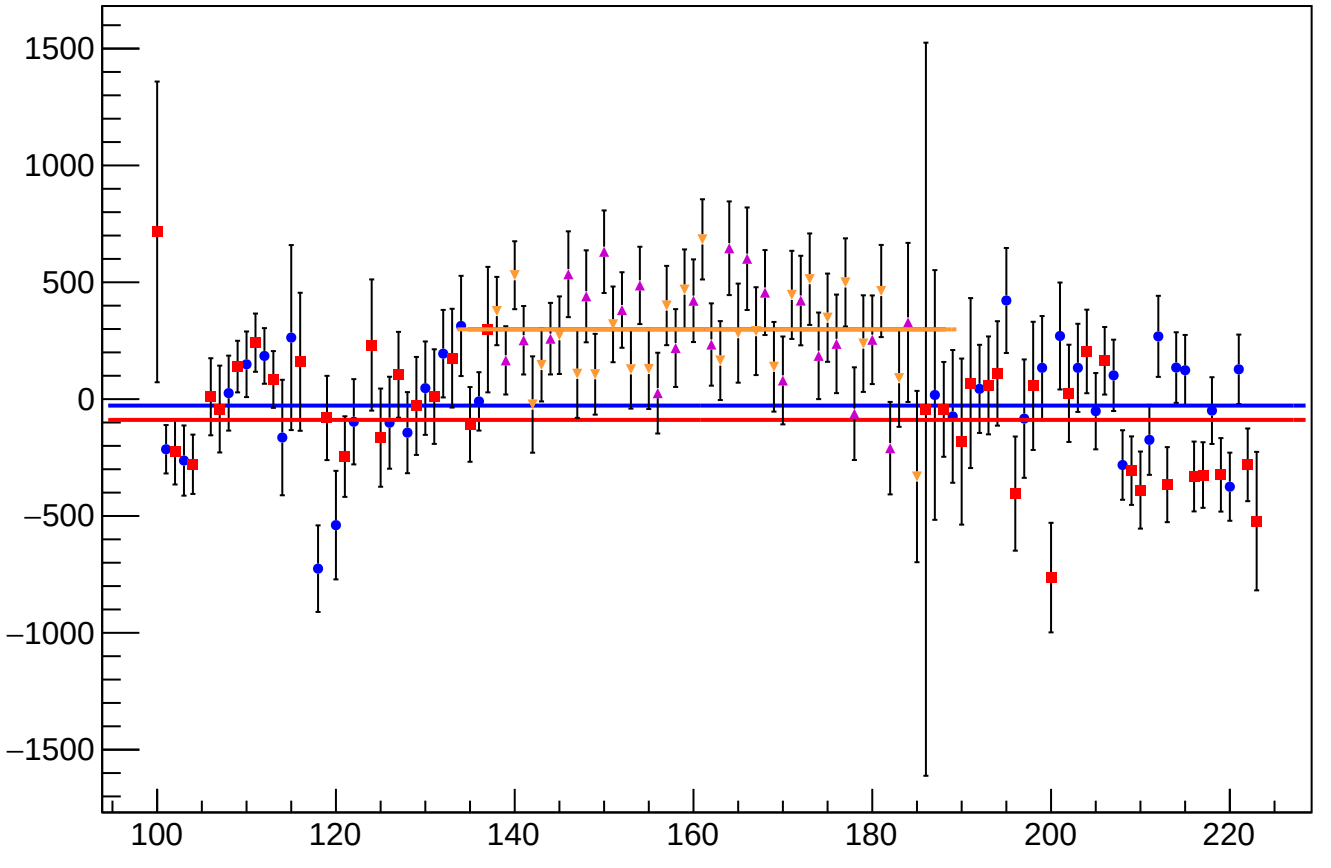
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 792.363+/-0.102 χ^2/NDF: 28553852.6/72

In: 883.565+/-0.110 χ^2/NDF:16031142.6/56

Out: 900.015+/-0.109 χ^2/NDF:16009599.4/63

All: 891.862+/-0.078 χ^2/NDF: 32051975.0/12



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

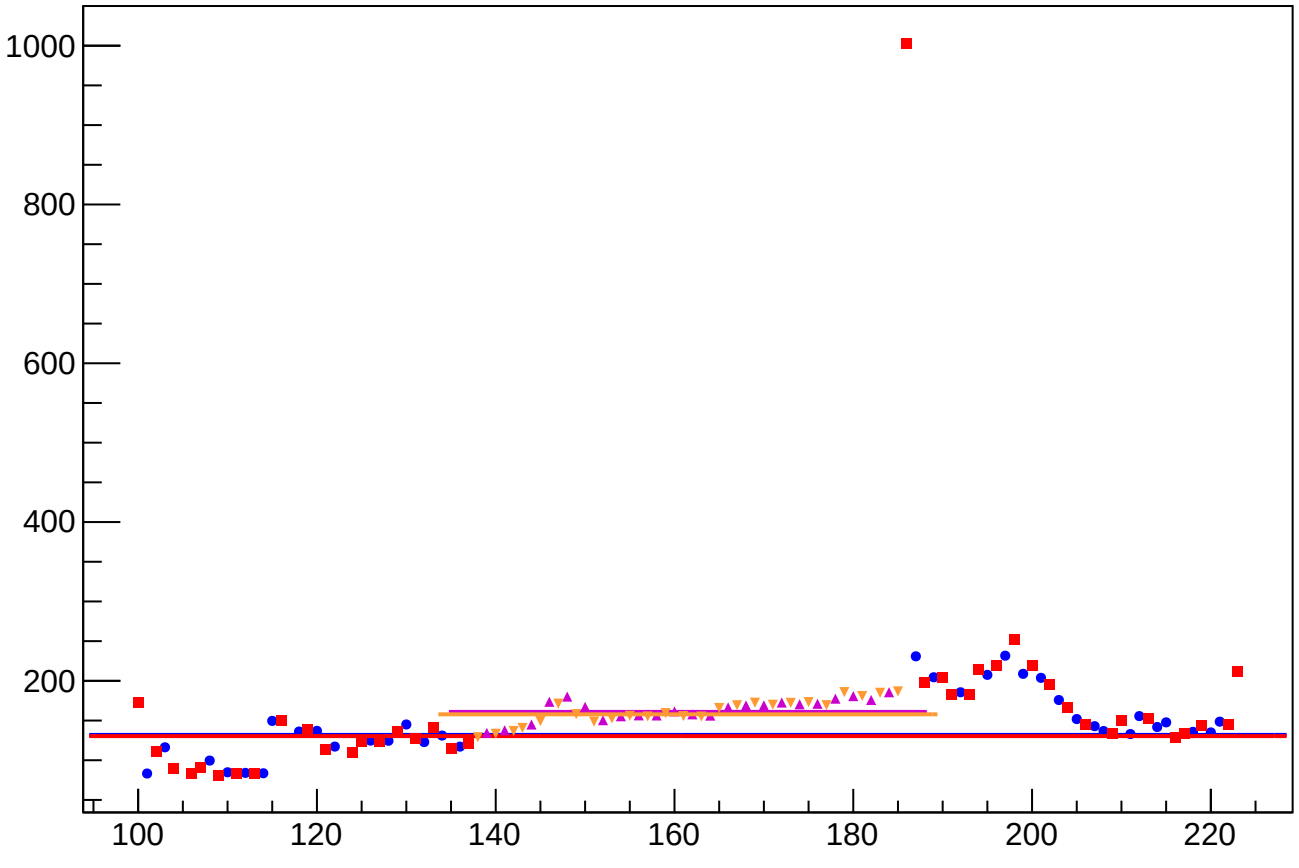
Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

Right: -58.587+/-20.497 χ^2/NDF: 125.5/72

In: 94.381+/-23.069 χ^2/NDF:135.3/56

Out: 62.199+/-22.511 χ^2/NDF:160.7/63

All: 77.896+/-16.111 χ^2/NDF: 297.0/120



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

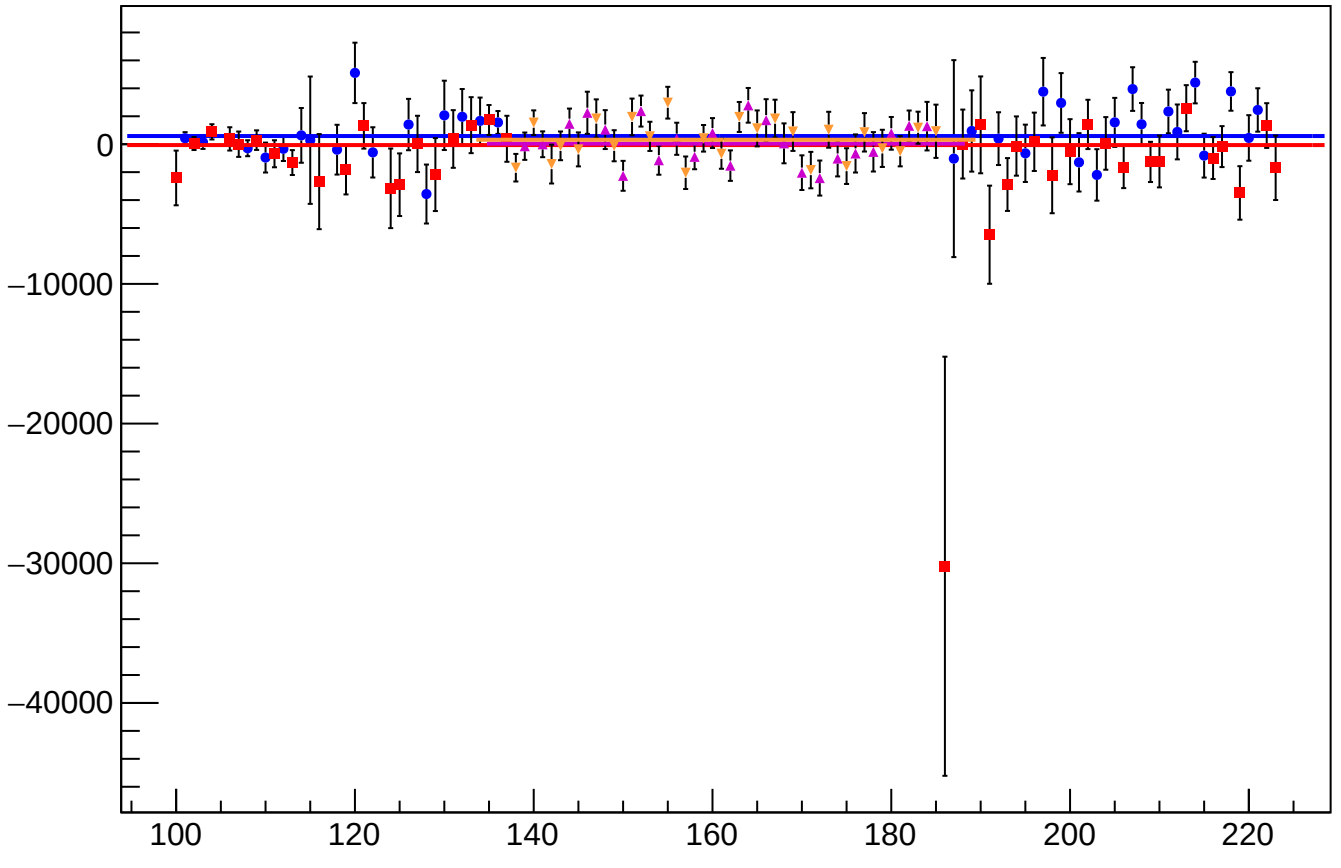
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 131.147+/-0.014 χ^2/NDF: 7275094.4/72

In: 142.739+/-0.016 χ^2/NDF:3825092.0/56

Out: 141.100+/-0.016 χ^2/NDF:5537499.2/63

All: 141.900+/-0.011 χ^2/NDF: 9367765.9/120



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

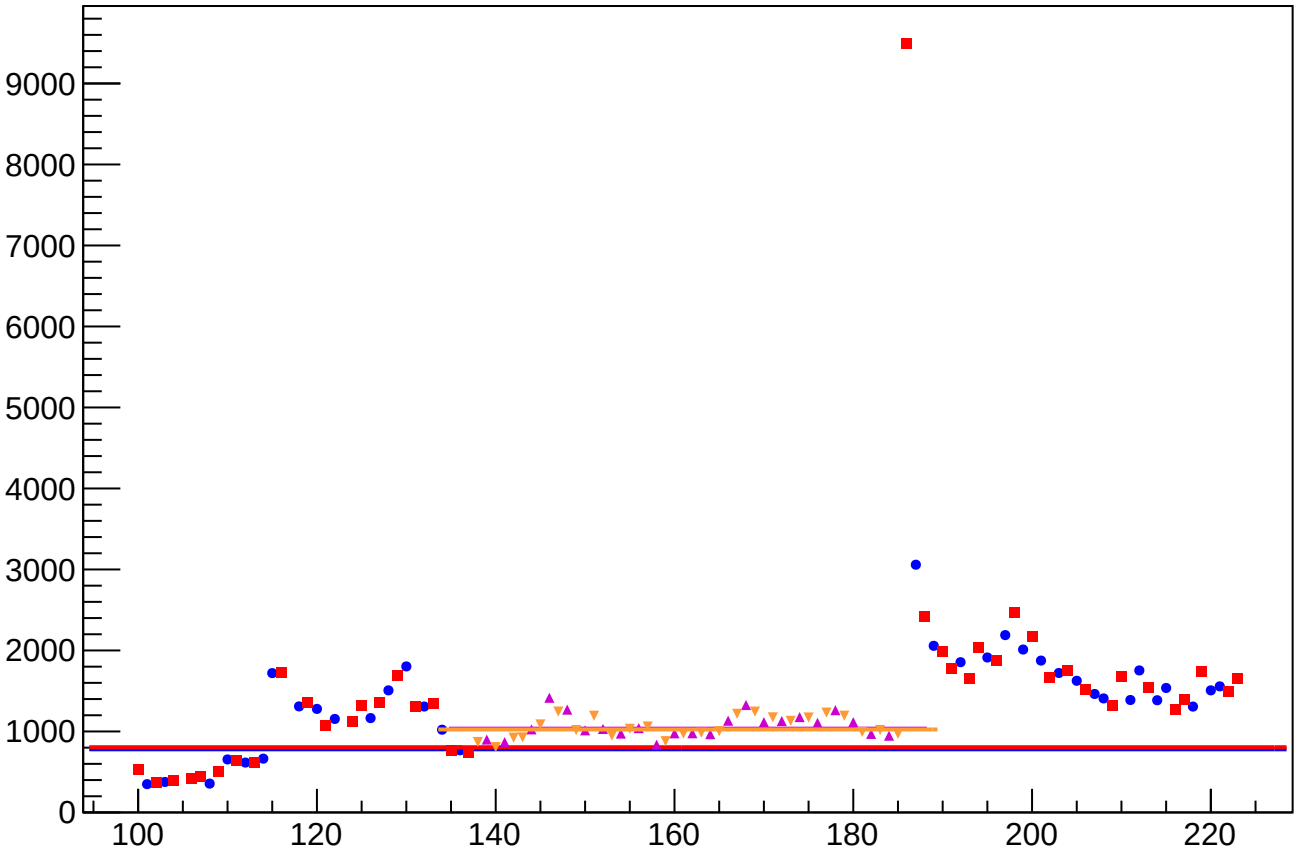
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 265.370+/-144.104 χ^2/NDF: 88.0/72

In: 362.387+/-155.892 χ^2/NDF:83.3/56

Out: 103.027+/-154.529 χ^2/NDF:71.4/63

All: 231.569+/-109.747 χ^2/NDF: 156.1/120



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

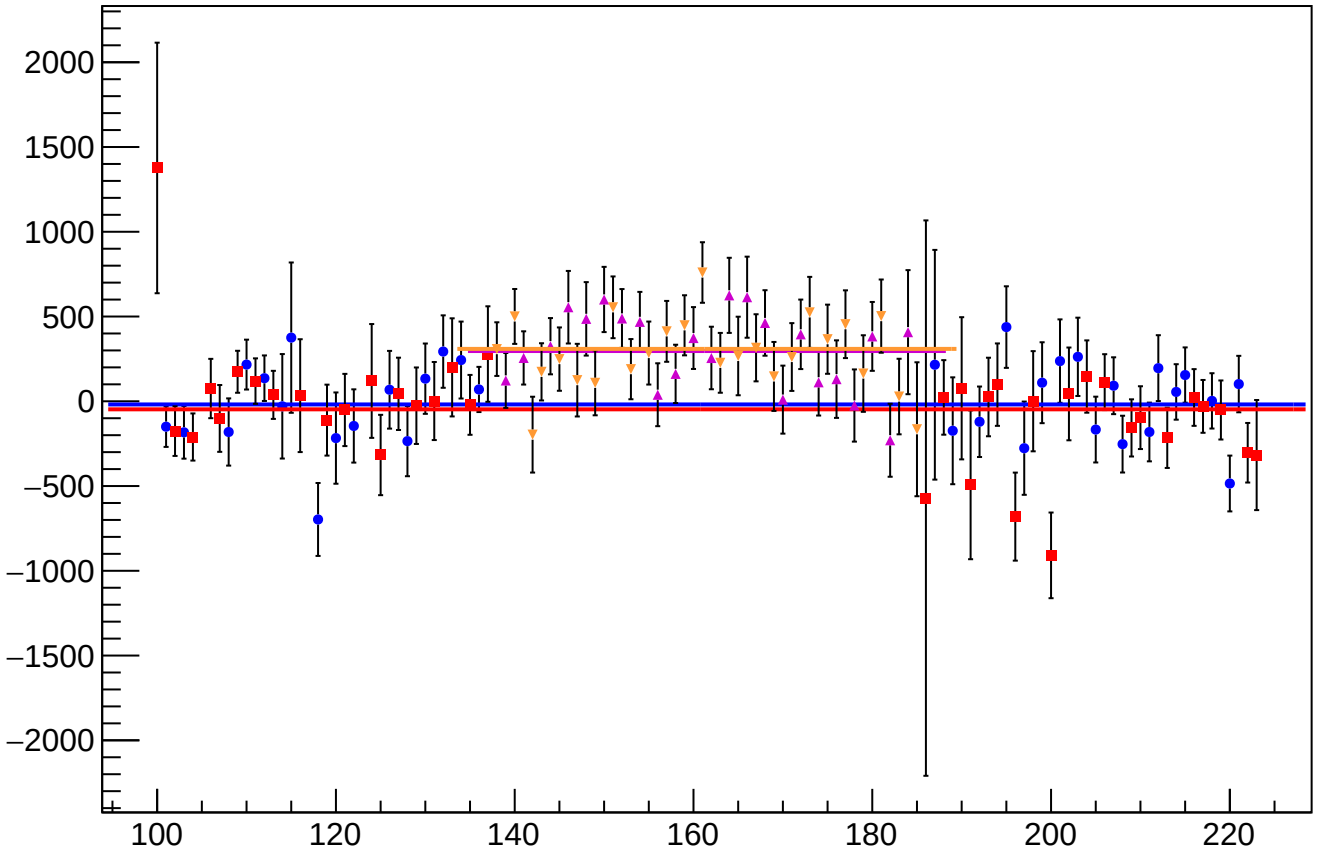
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 792.363+/-0.102 χ^2/NDF: 28553852.6/72

In: 883.565+/-0.110 χ^2/NDF:16031142.6/56

Out: 900.015+/-0.109 χ^2/NDF:16009599.4/63

All: 891.862+/-0.078 χ^2/NDF: 32051975.0/12



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

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

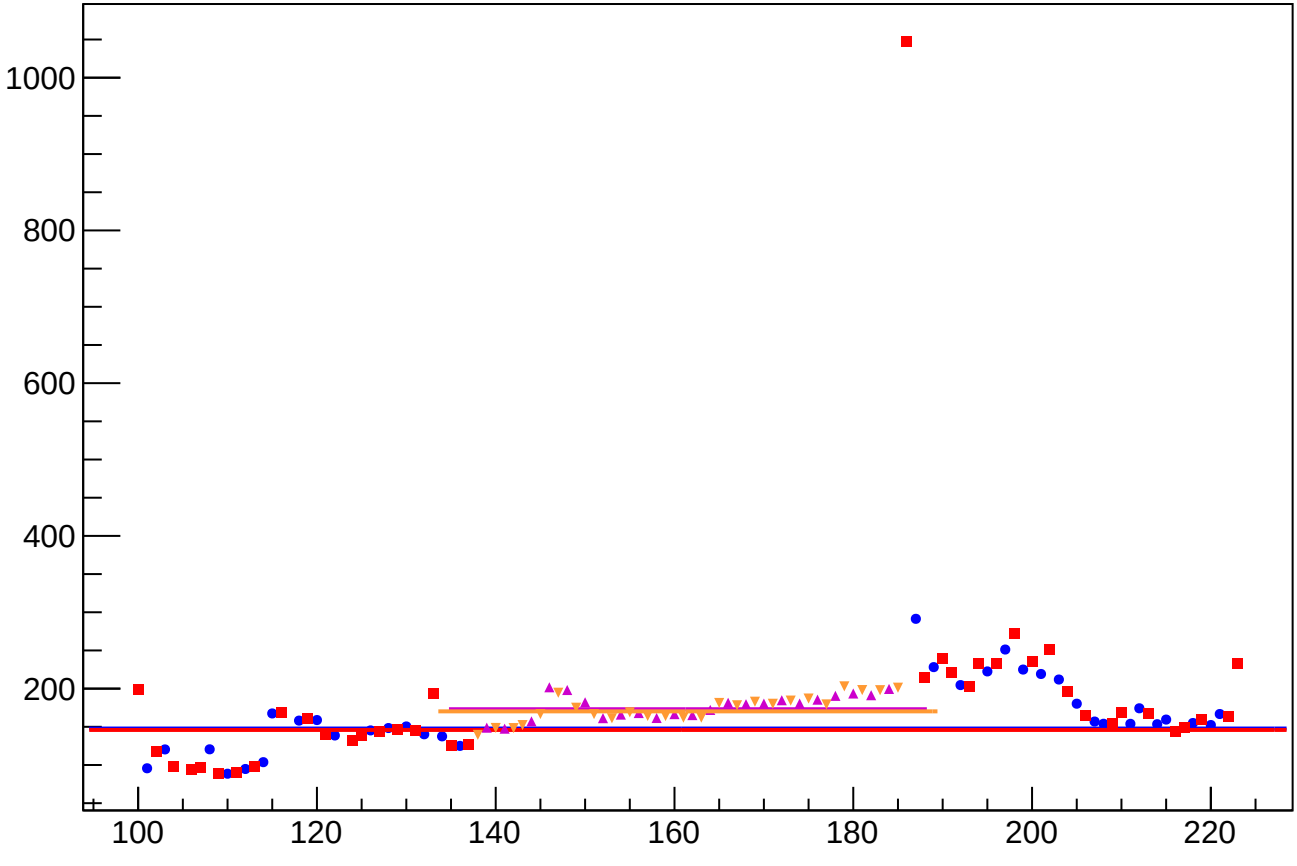
Right: -33.227+/-22.986 χ^2/NDF: 88.7/72

In: 105.227+/-25.459 χ^2/NDF:111.5/56

Out: 98.201+/-24.867 χ^2/NDF:116.4/63

All: 101.632+/-17.789 χ^2/NDF: 227.9/120

dit_asym_sam6_rms vs Slug, Sign Corrected



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

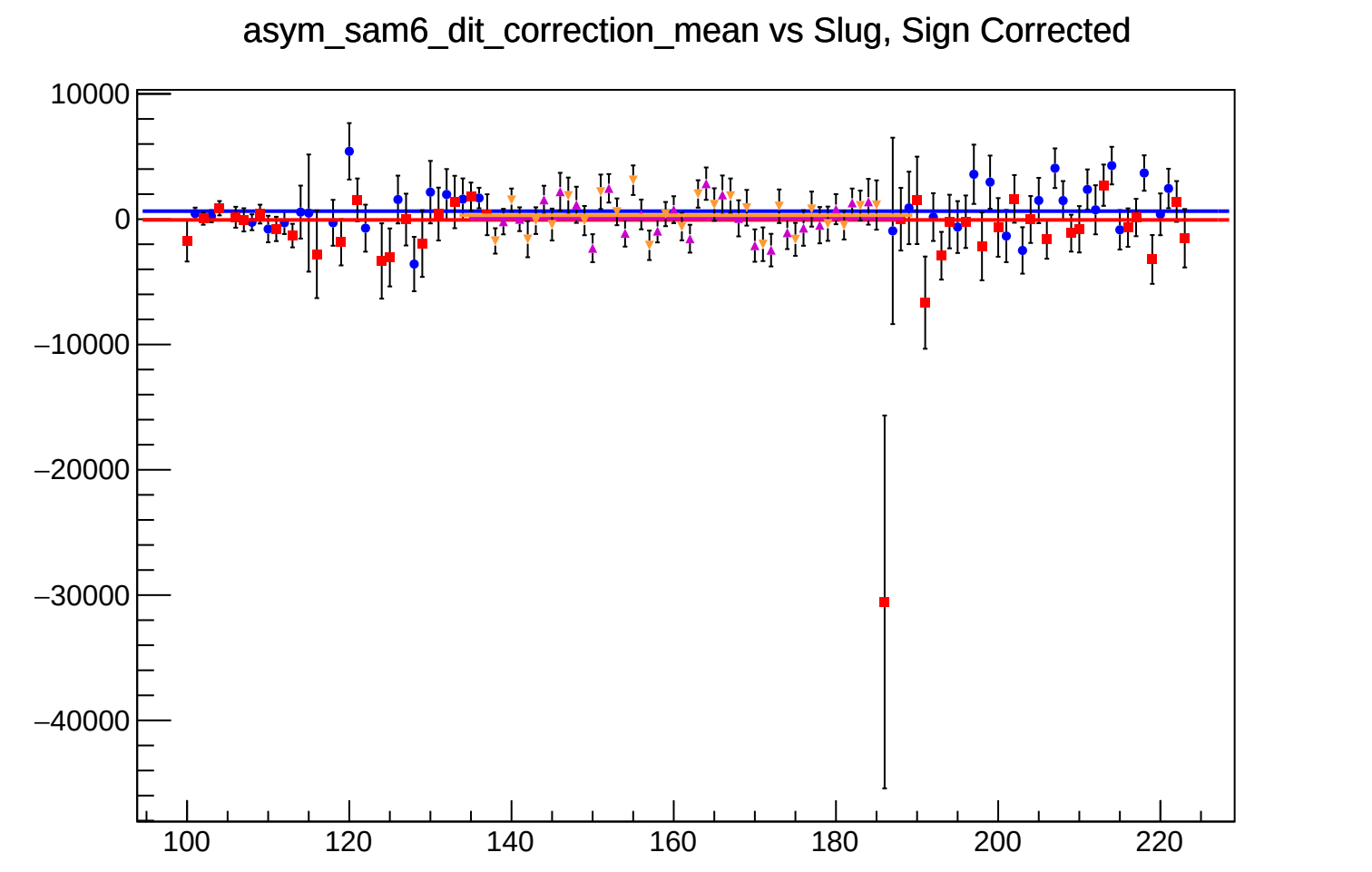
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 146.814+/-0.016 χ^2/NDF: 7374205.0/72

In: 157.676+/-0.018 χ^2/NDF:3528949.9/56

Out: 155.853+/-0.018 χ^2/NDF:5435476.9/63

All: 156.743+/-0.013 χ^2/NDF: 8969674.7/120



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

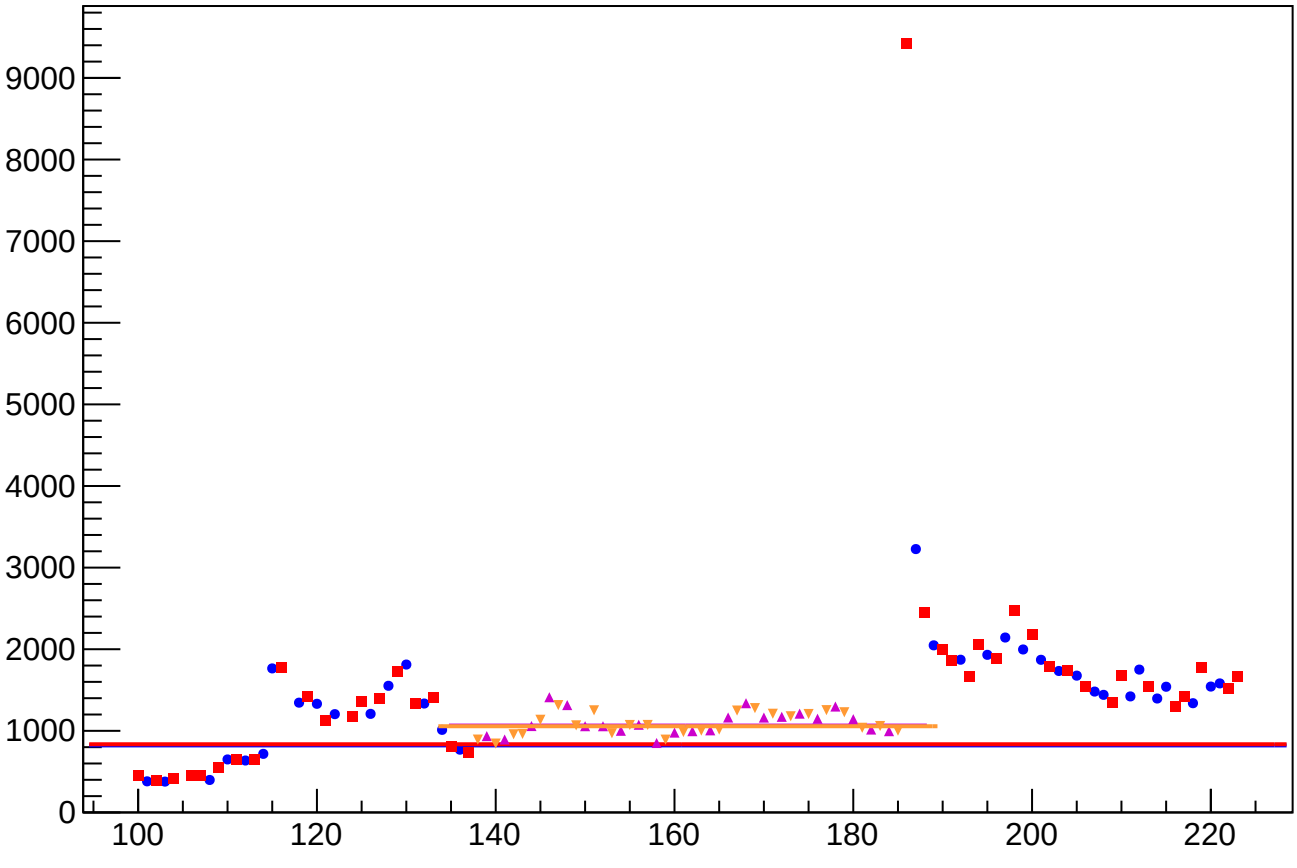
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 292.765+/-148.994 χ^2/NDF: 84.8/72

In: 396.615+/-161.310 χ^2/NDF:81.6/56

Out: 102.136+/-159.160 χ^2/NDF:69.7/63

All: 247.400+/-113.296 χ^2/NDF: 152.9/120



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

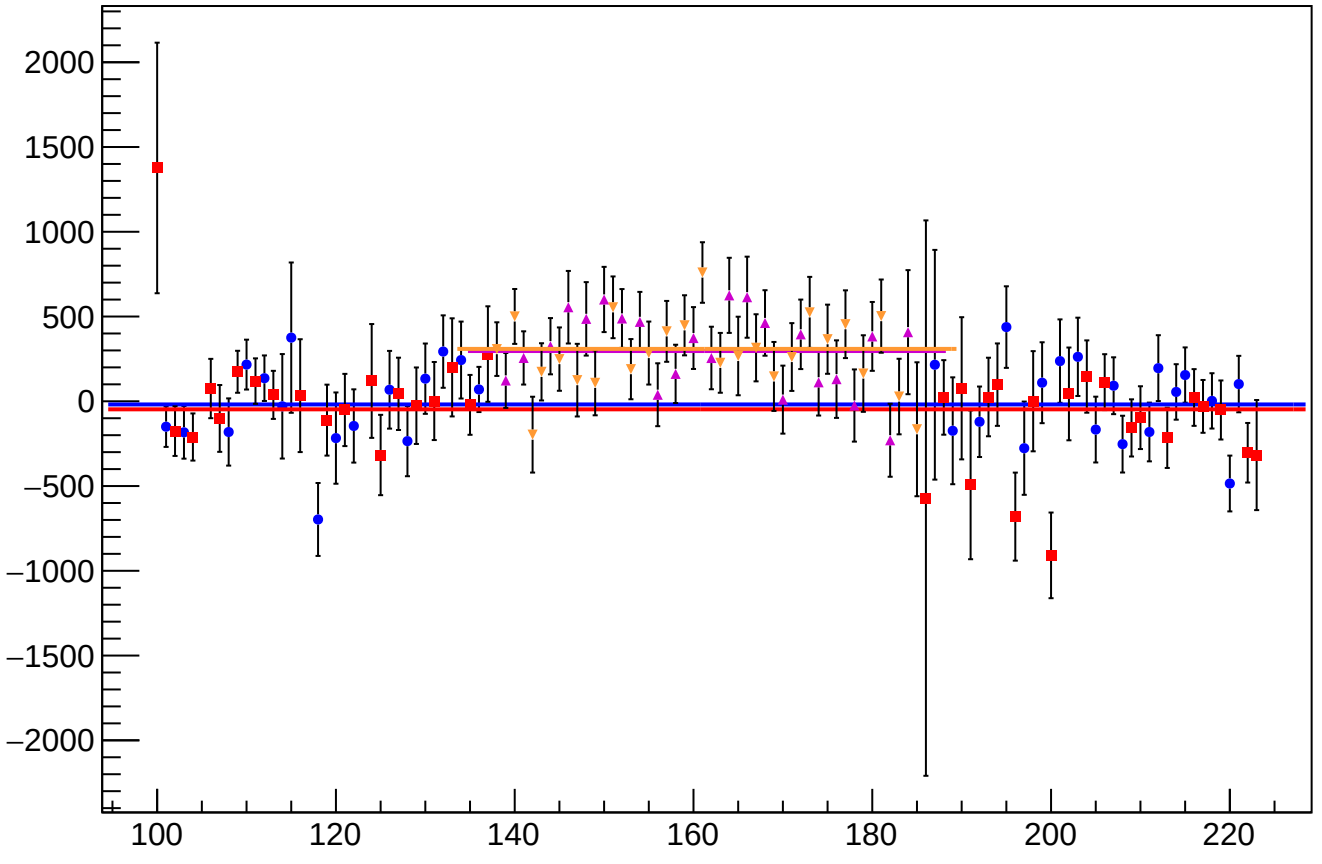
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 828.549+/-0.105 χ^2/NDF: 27389169.8/72

In: 921.748+/-0.114 χ^2/NDF:15013620.2/56

Out: 930.776+/-0.113 χ^2/NDF:15637276.2/63

All: 926.323+/-0.080 χ^2/NDF: 30654070.4/12



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

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

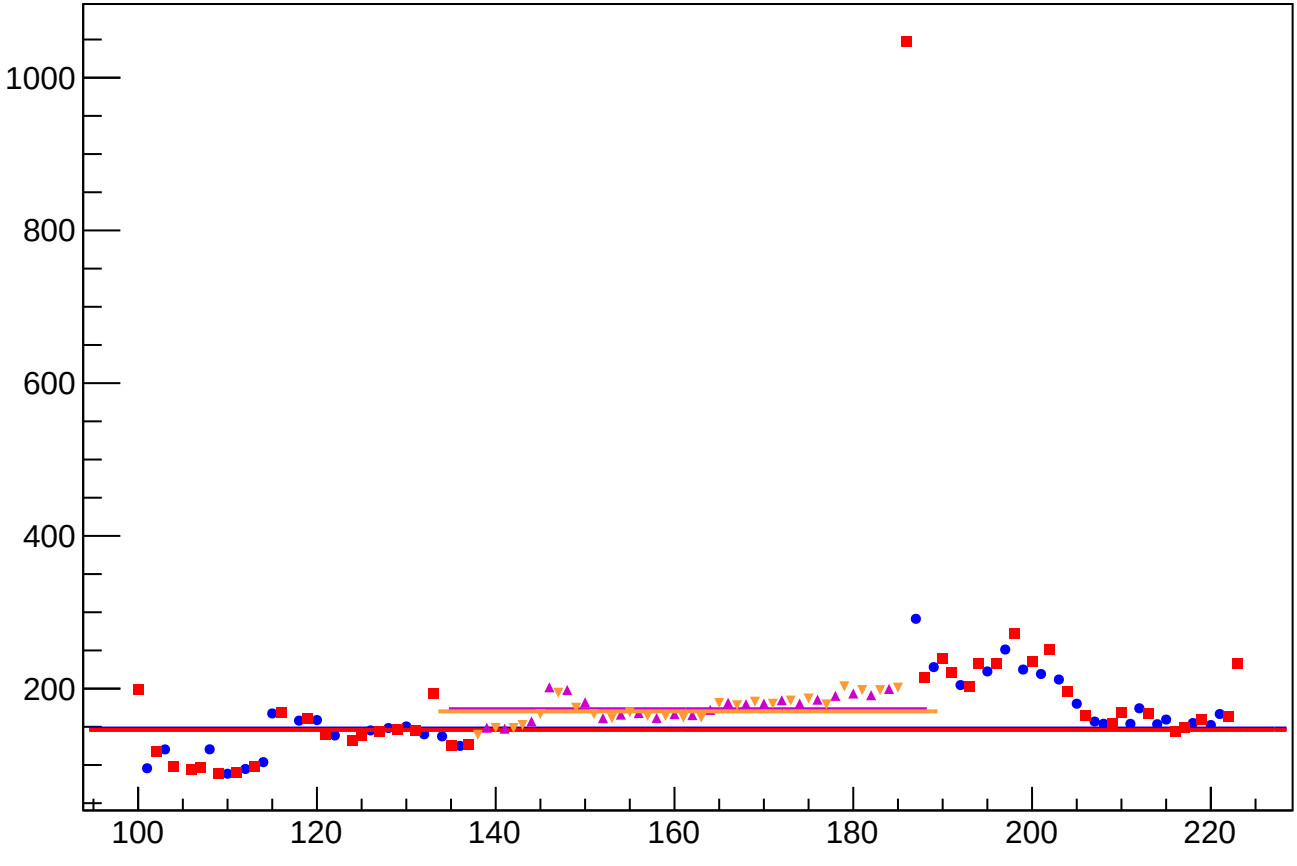
Right: -33.226+/-22.986 χ^2/NDF: 88.7/72

In: 105.227+/-25.459 χ^2/NDF:111.5/56

Out: 98.203+/-24.867 χ^2/NDF:116.4/63

All: 101.632+/-17.789 χ^2/NDF: 227.9/120

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



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

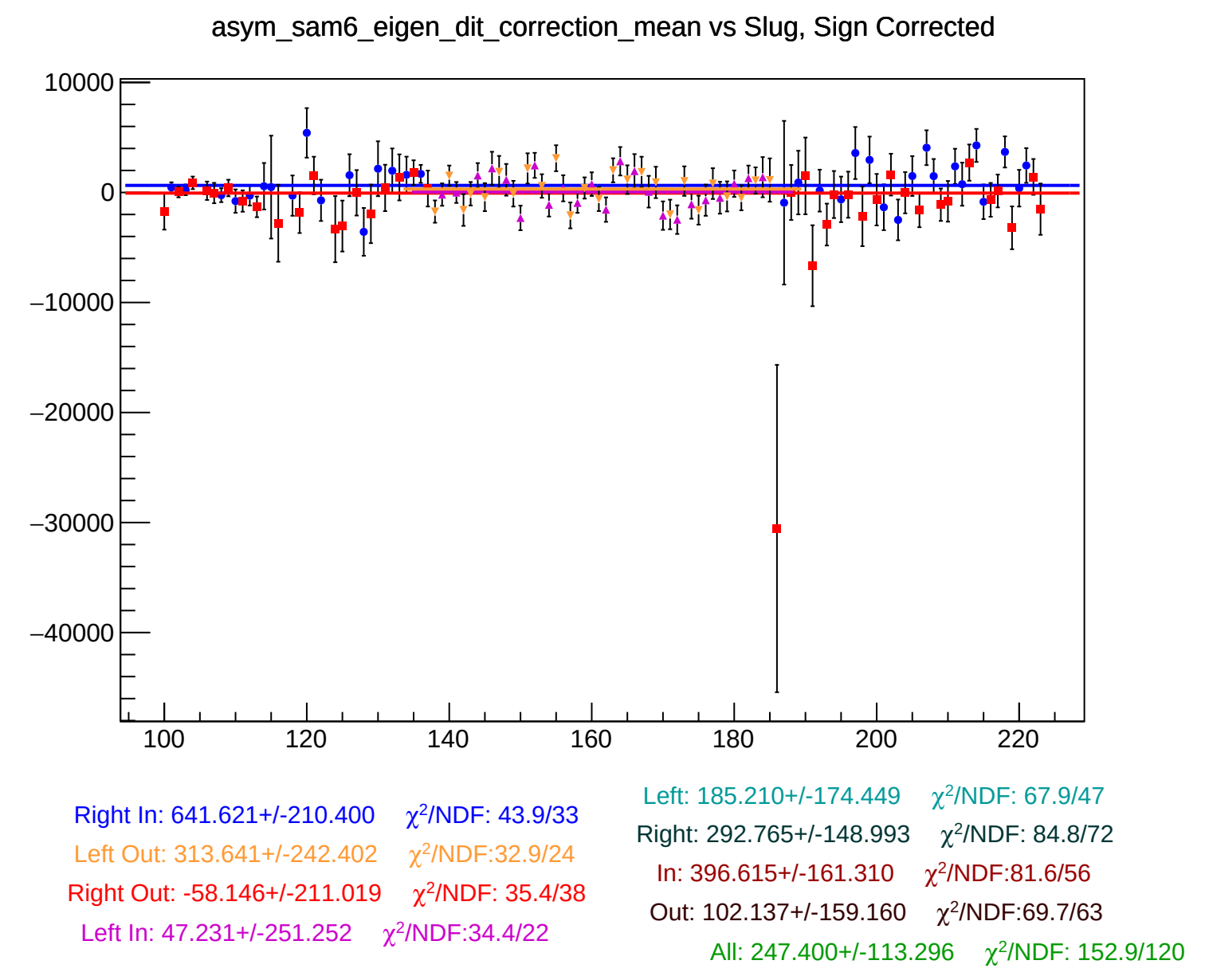
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

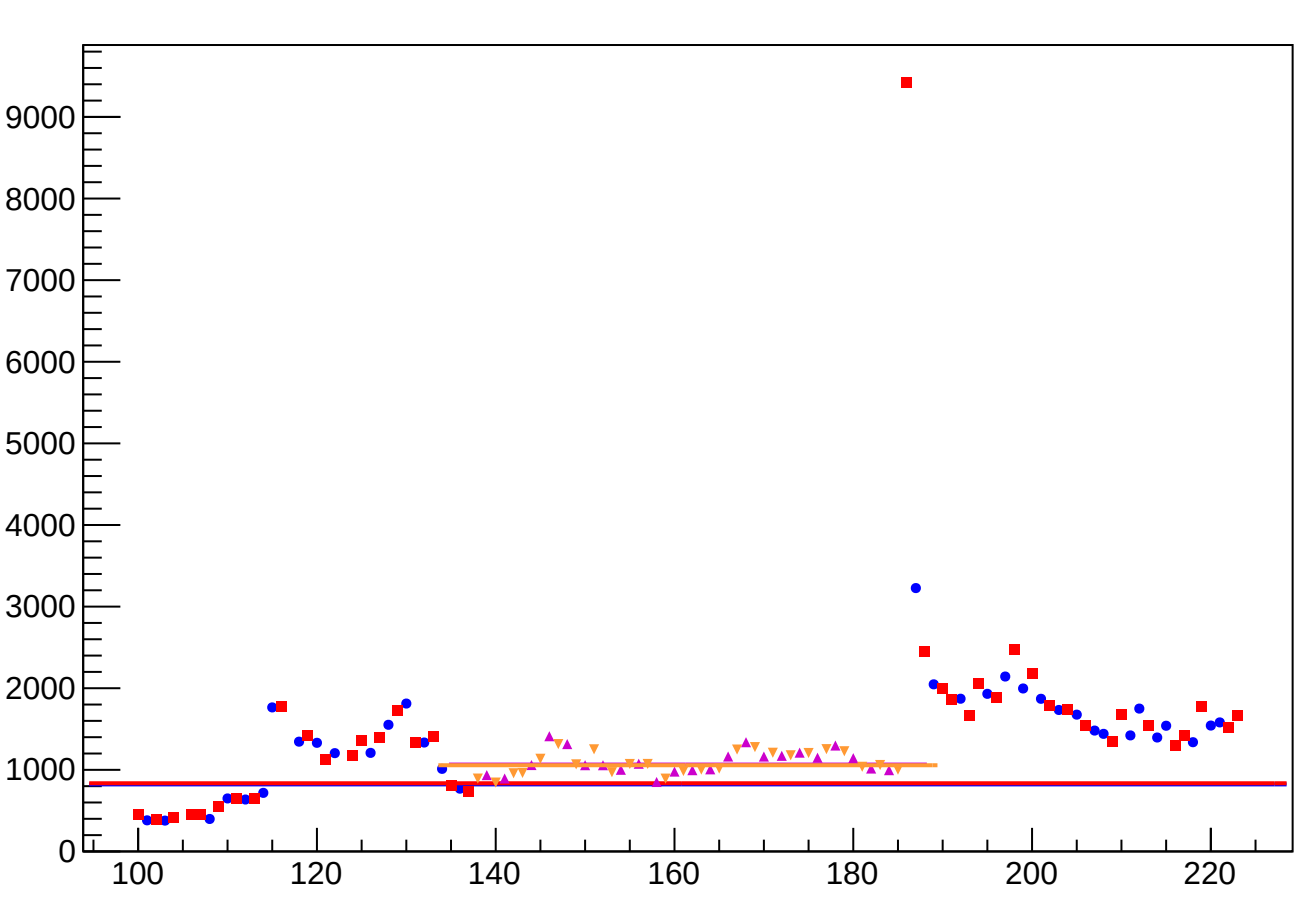
Right: 146.813+/-0.016 χ^2/NDF: 7374235.9/72

In: 157.676+/-0.018 χ^2/NDF:3528972.4/56

Out: 155.853+/-0.018 χ^2/NDF:5435487.0/63

All: 156.743+/-0.013 χ^2/NDF: 8969707.3/120


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 641.621+/-210.400 χ²/NDF: 43.9/33
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -58.146+/-211.019 χ²/NDF: 35.4/38
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 292.765+/-148.993 χ²/NDF: 84.8/72
In: 396.615+/-161.310 χ²/NDF:81.6/56
Out: 102.137+/-159.160 χ²/NDF:69.7/63
All: 247.400+/-113.296 χ²/NDF: 152.9/120



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

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

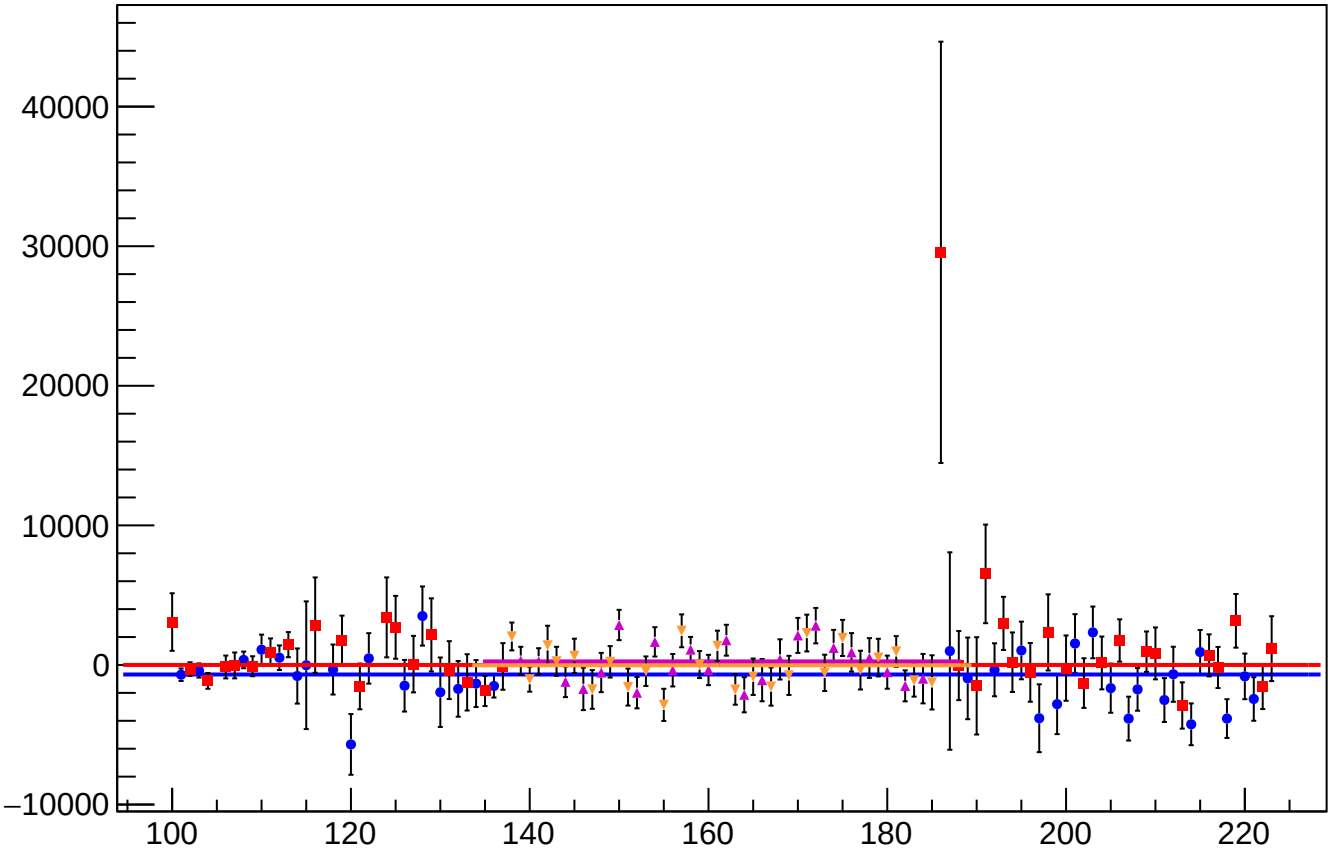
Right: 828.548+/-0.105 χ^2/NDF: 27389202.6/72

In: 921.748+/-0.114 χ^2/NDF:15013655.0/56

Out: 930.776+/-0.113 χ^2/NDF:15637300.0/63

All: 926.322+/-0.080 χ^2/NDF: 30654129.2/12

asym_sam6_mean vs Slug, Sign Corrected



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

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

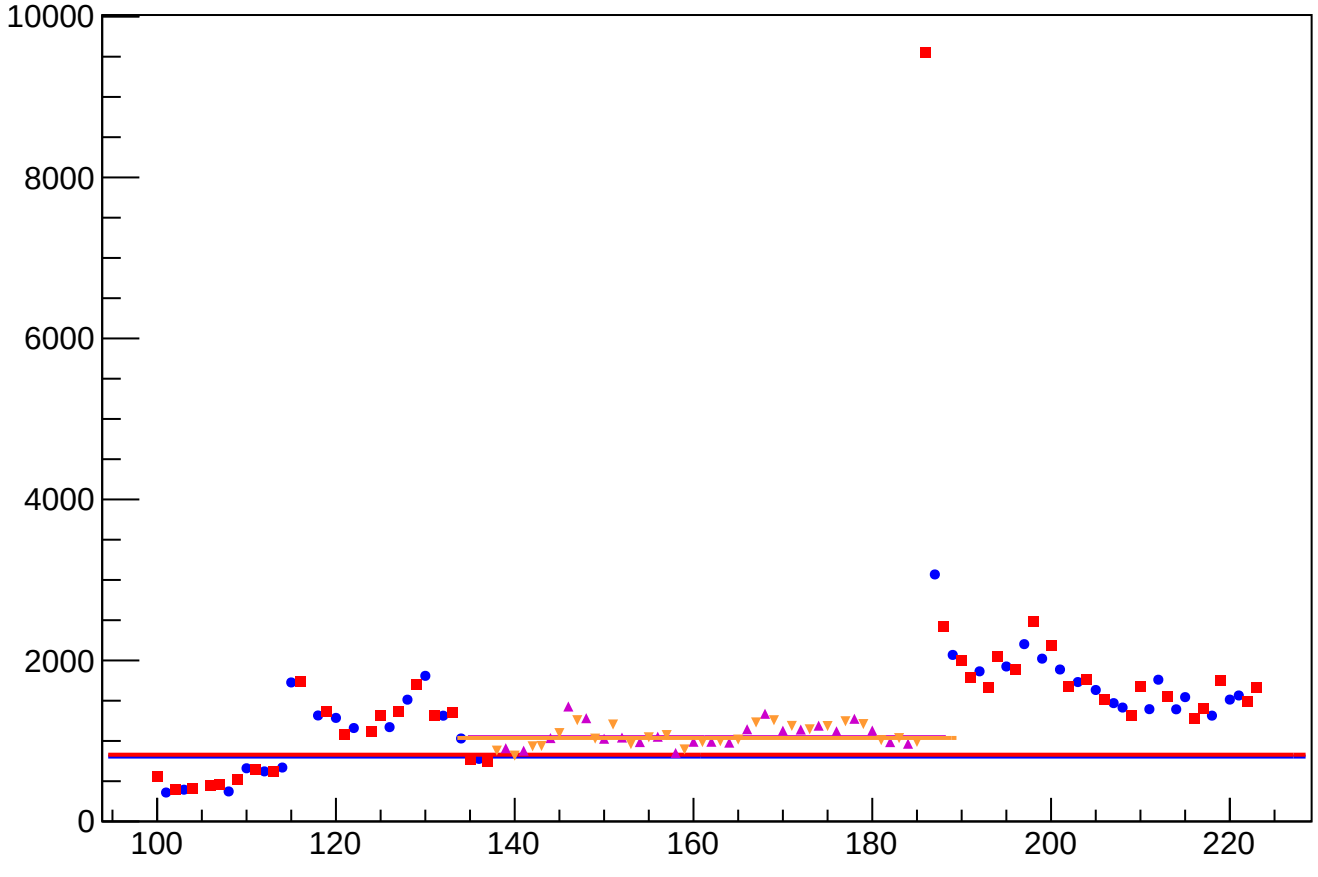
Right: -344.204+/-147.225 χ^2/NDF: 91.5/72

In: -295.343+/-158.891 χ^2/NDF:88.1/56

Out: -9.576+/-157.041 χ^2/NDF:74.6/63

All: -150.786+/-111.693 χ^2/NDF: 164.3/120

asym_sam6_rms vs Slug, Sign Corrected



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

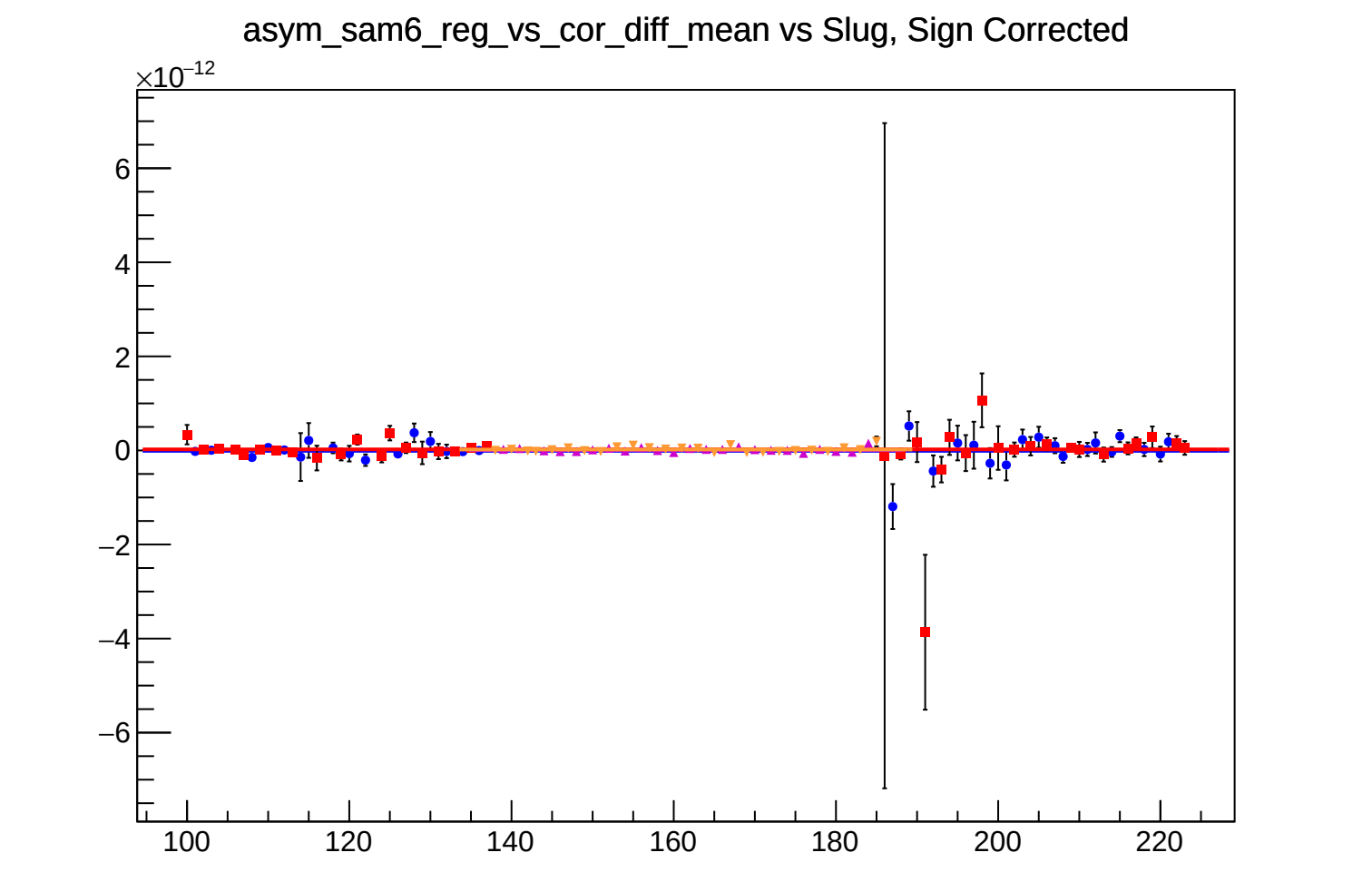
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 817.551+/-0.104 χ^2/NDF: 27470849.3/72

In: 905.769+/-0.112 χ^2/NDF:15288688.4/56

Out: 919.936+/-0.111 χ^2/NDF:15352701.8/63

All: 912.936+/-0.079 χ^2/NDF: 30649432.5/12



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

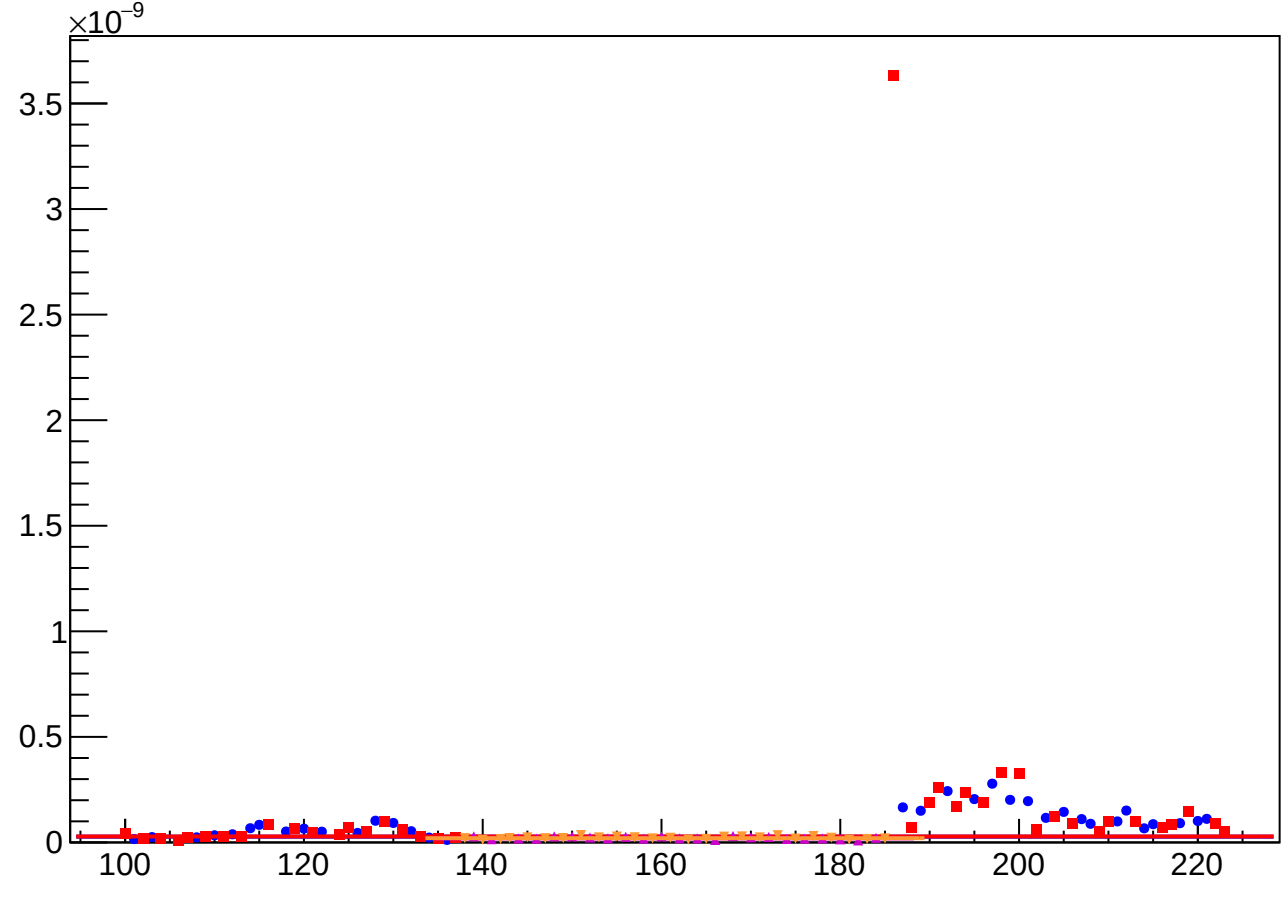
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 81.1/72

In: 0.000+/-0.000 χ^2/NDF:60.4/56

Out: 0.000+/-0.000 χ^2/NDF:67.3/63

All: 0.000+/-0.000 χ^2/NDF: 131.5/120



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

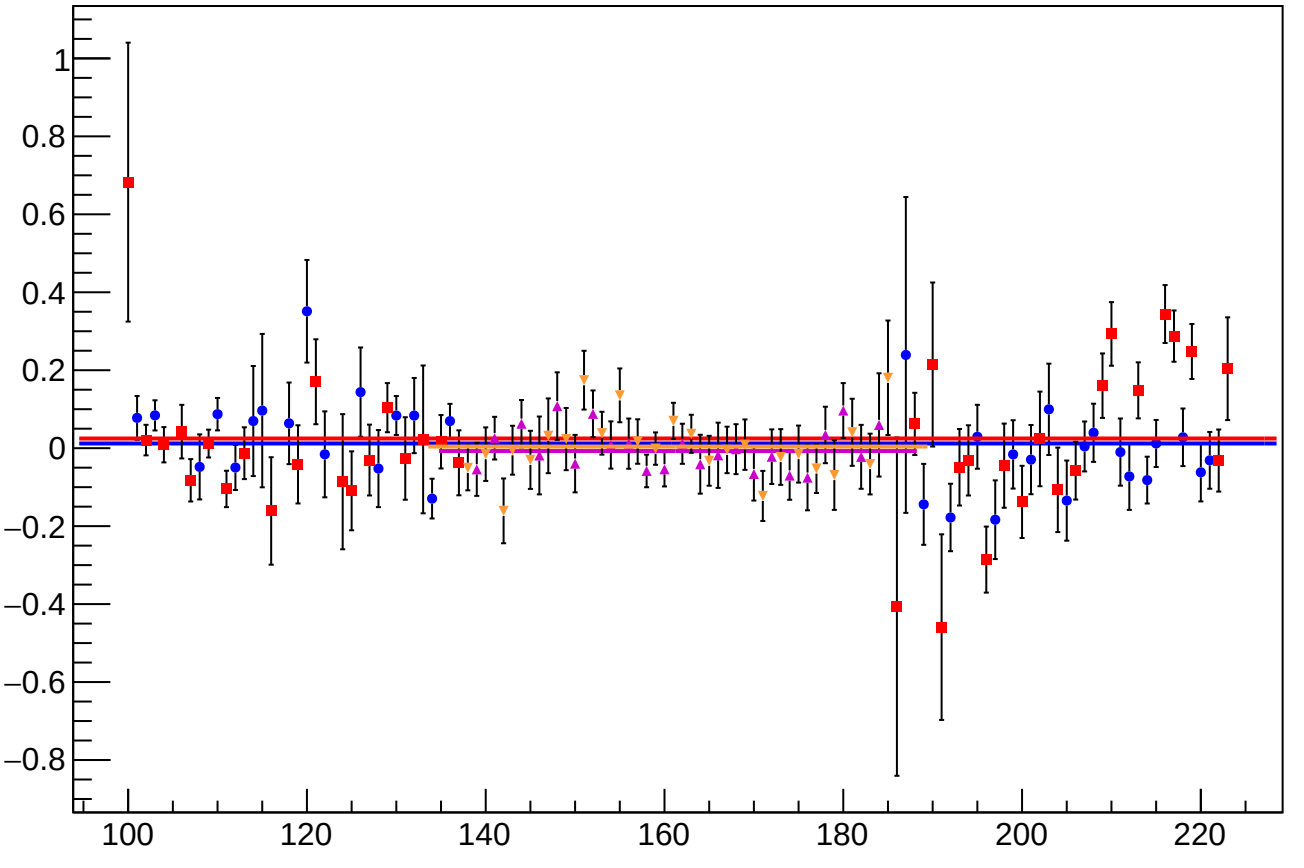
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 21044359.3/72

In: 0.000+/-0.000 χ^2/NDF:12737979.3/56

Out: 0.000+/-0.000 χ^2/NDF:11557041.2/63

All: 0.000+/-0.000 χ^2/NDF: 24308157.6/120



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

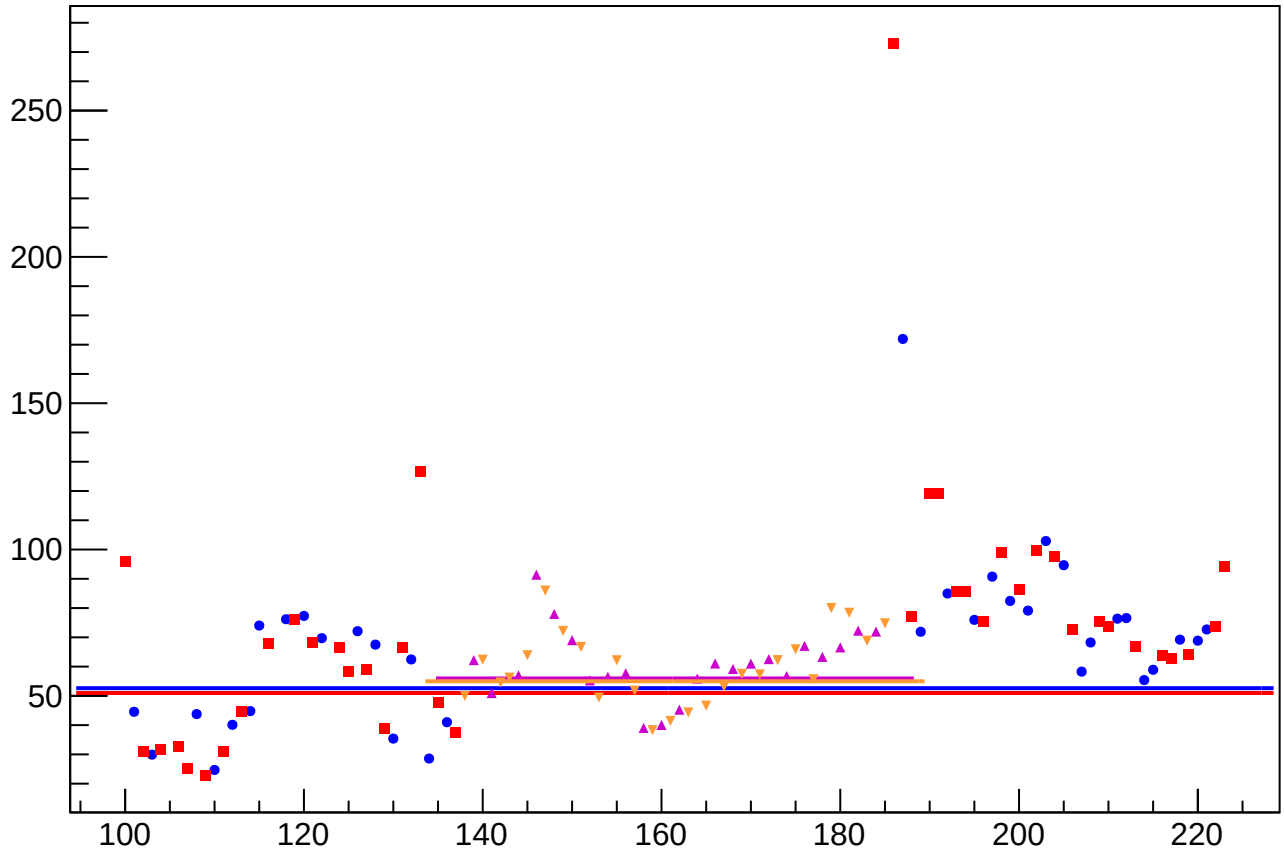
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.019+/-0.009 χ^2/NDF: 165.1/72

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.015+/-0.009 χ^2/NDF:140.8/63

All: 0.009+/-0.006 χ^2/NDF: 207.8/120



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

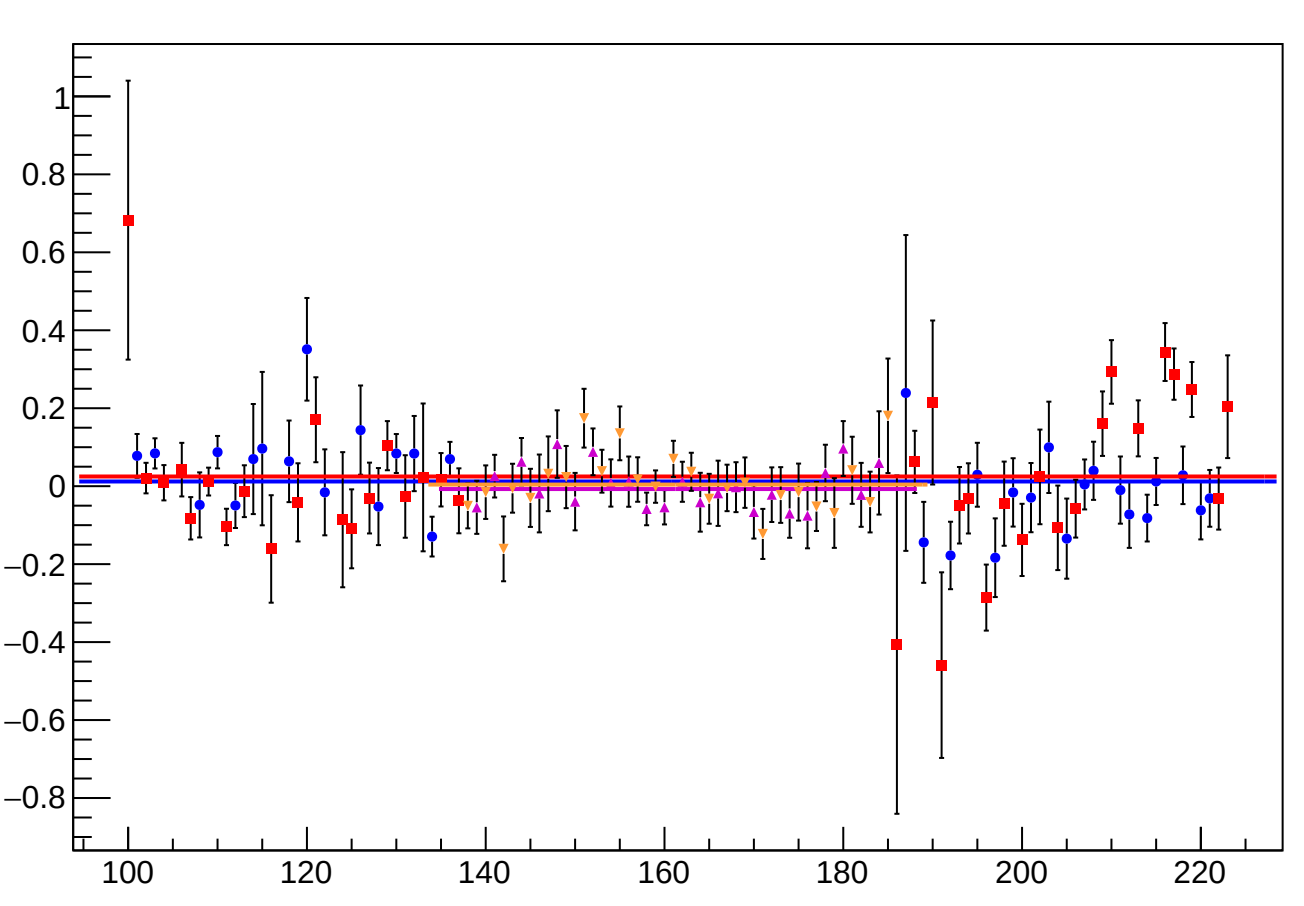
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 51.790+/-0.006 χ^2/NDF: 14079169.6/72

In: 54.137+/-0.006 χ^2/NDF:7280511.8/56

Out: 52.850+/-0.006 χ^2/NDF:9921766.1/63

All: 53.475+/-0.004 χ^2/NDF: 17222809.2/120



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

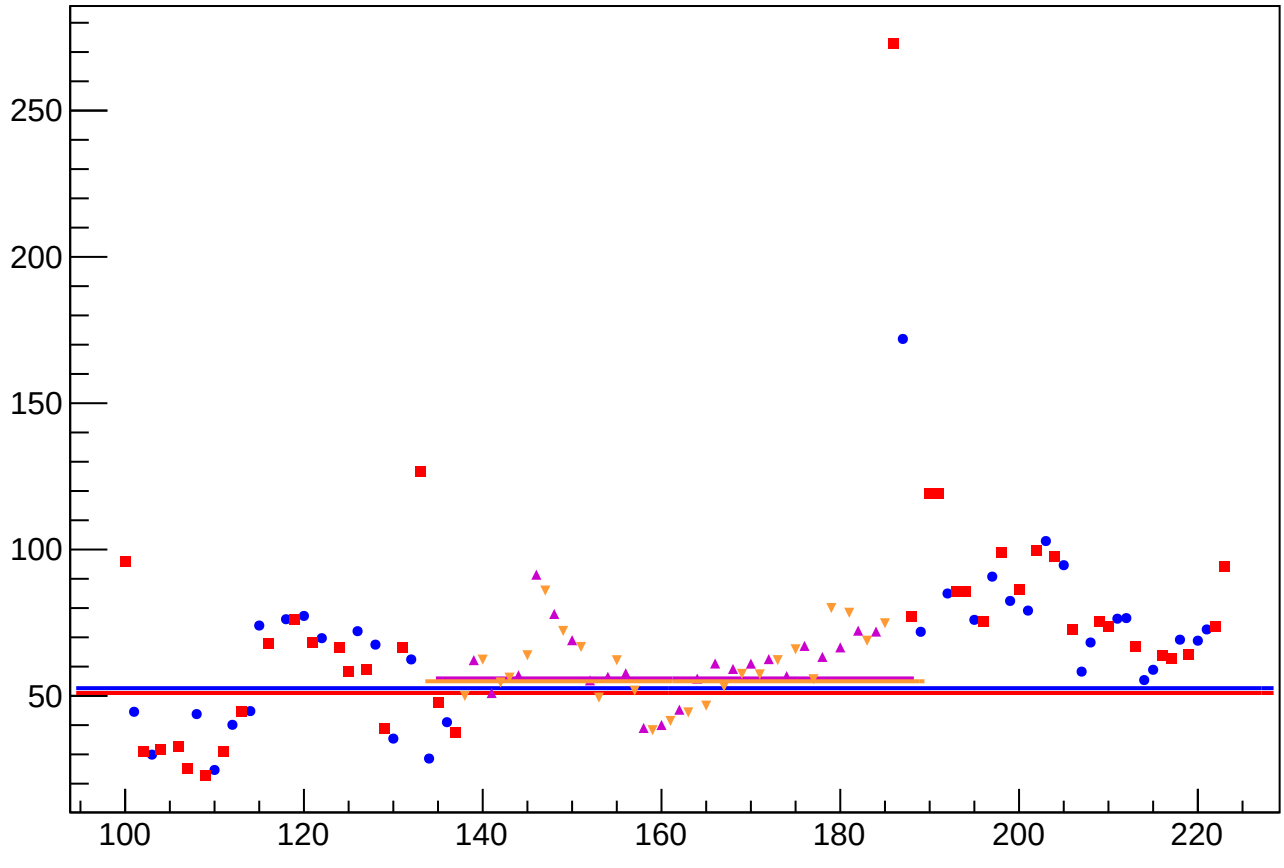
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.019+/-0.009 χ^2/NDF: 165.1/72

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.015+/-0.009 χ^2/NDF:140.8/63

All: 0.009+/-0.006 χ^2/NDF: 207.8/120



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

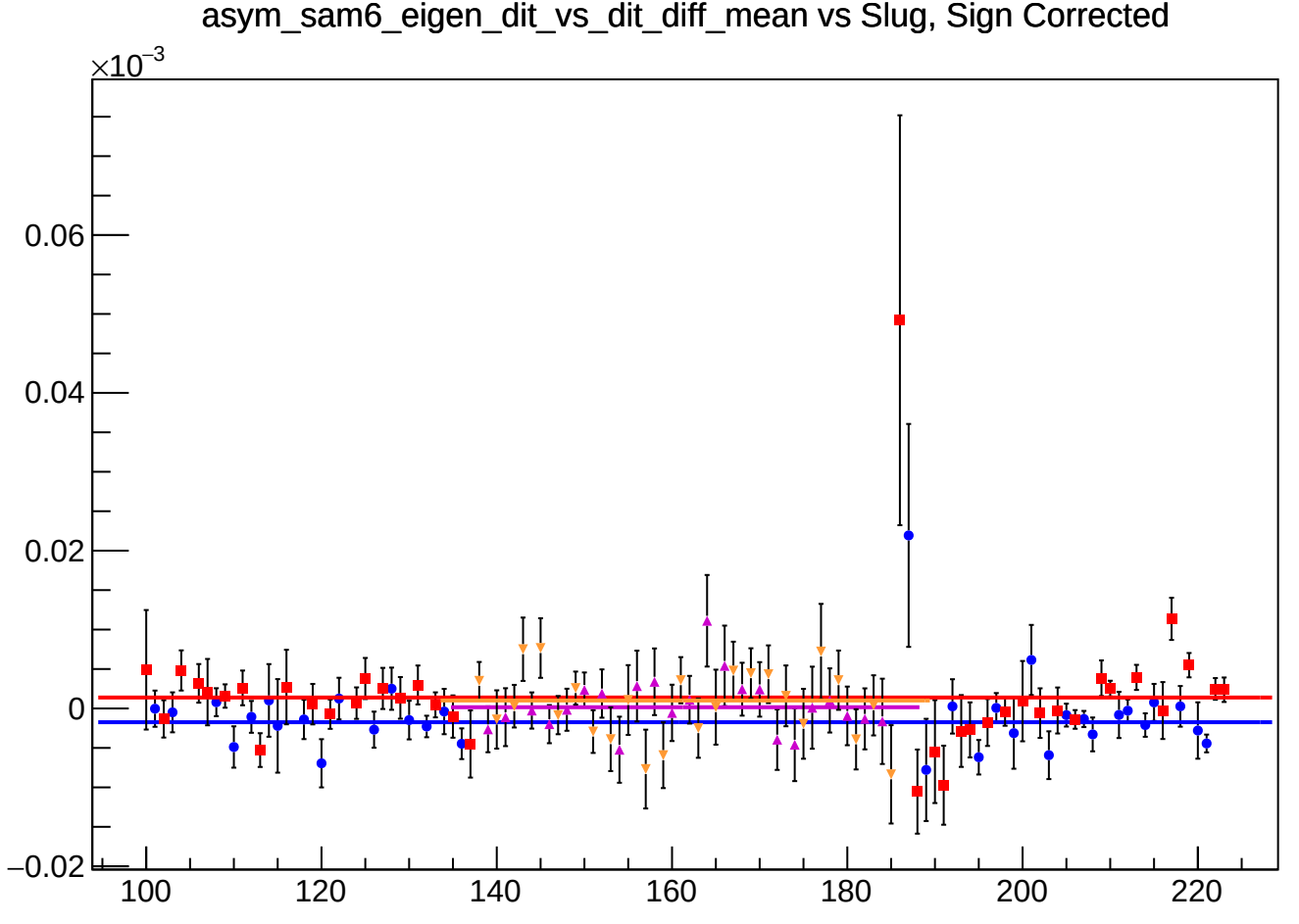
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 51.790+/-0.006 χ^2/NDF: 14079169.6/72

In: 54.137+/-0.006 χ^2/NDF:7280511.8/56

Out: 52.850+/-0.006 χ^2/NDF:9921766.1/63

All: 53.475+/-0.004 χ^2/NDF: 17222809.2/120



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

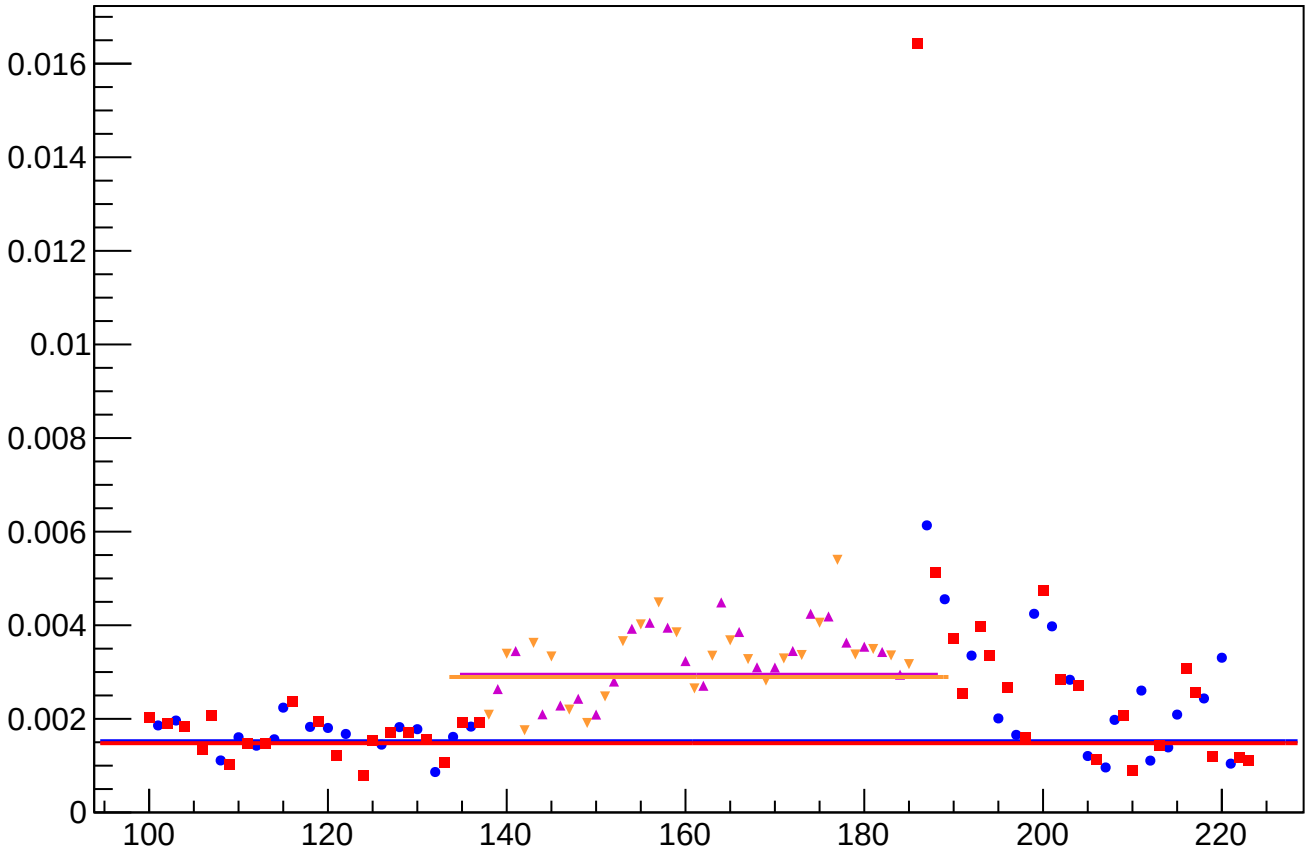
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 149.3/72

In: -0.000+/-0.000 χ^2/NDF:57.8/56

Out: 0.000+/-0.000 χ^2/NDF:101.1/63

All: 0.000+/-0.000 χ^2/NDF: 194.3/120



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

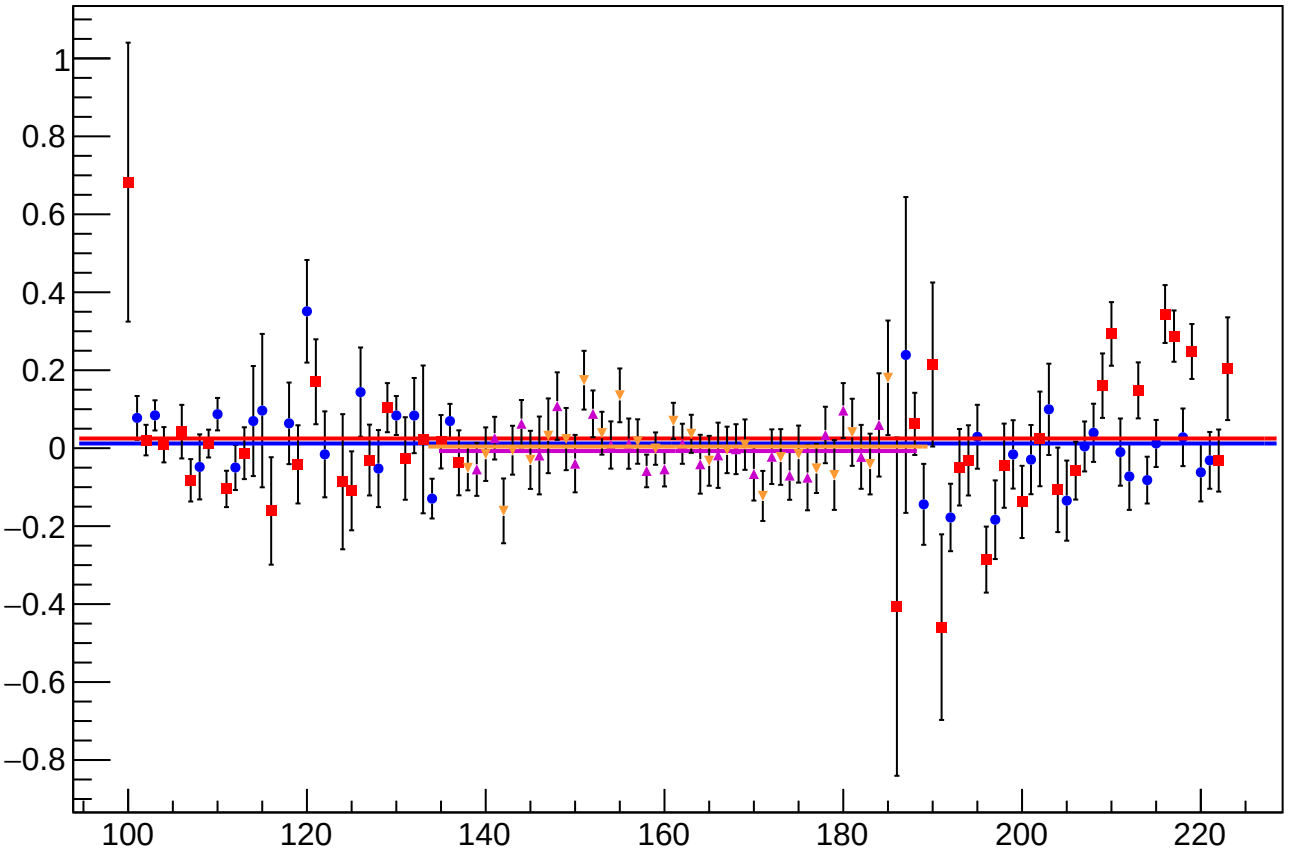
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 14385415.7/72

In: 0.002+/-0.000 χ^2/NDF:14630554.1/56

Out: 0.002+/-0.000 χ^2/NDF:17381050.2/63

All: 0.002+/-0.000 χ^2/NDF: 32029488.5/120



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

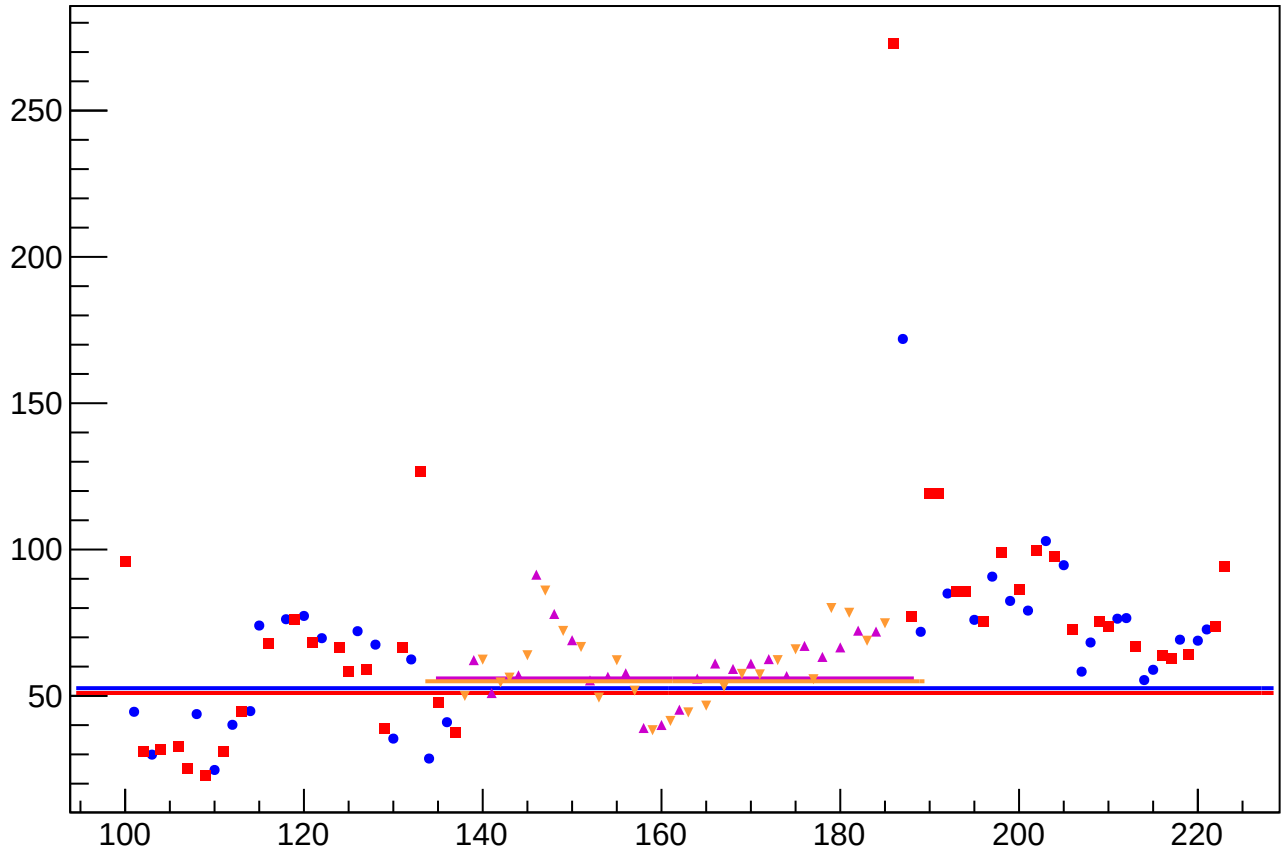
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.019+/-0.009 χ^2/NDF: 165.1/72

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.015+/-0.009 χ^2/NDF:140.8/63

All: 0.009+/-0.006 χ^2/NDF: 207.8/120



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

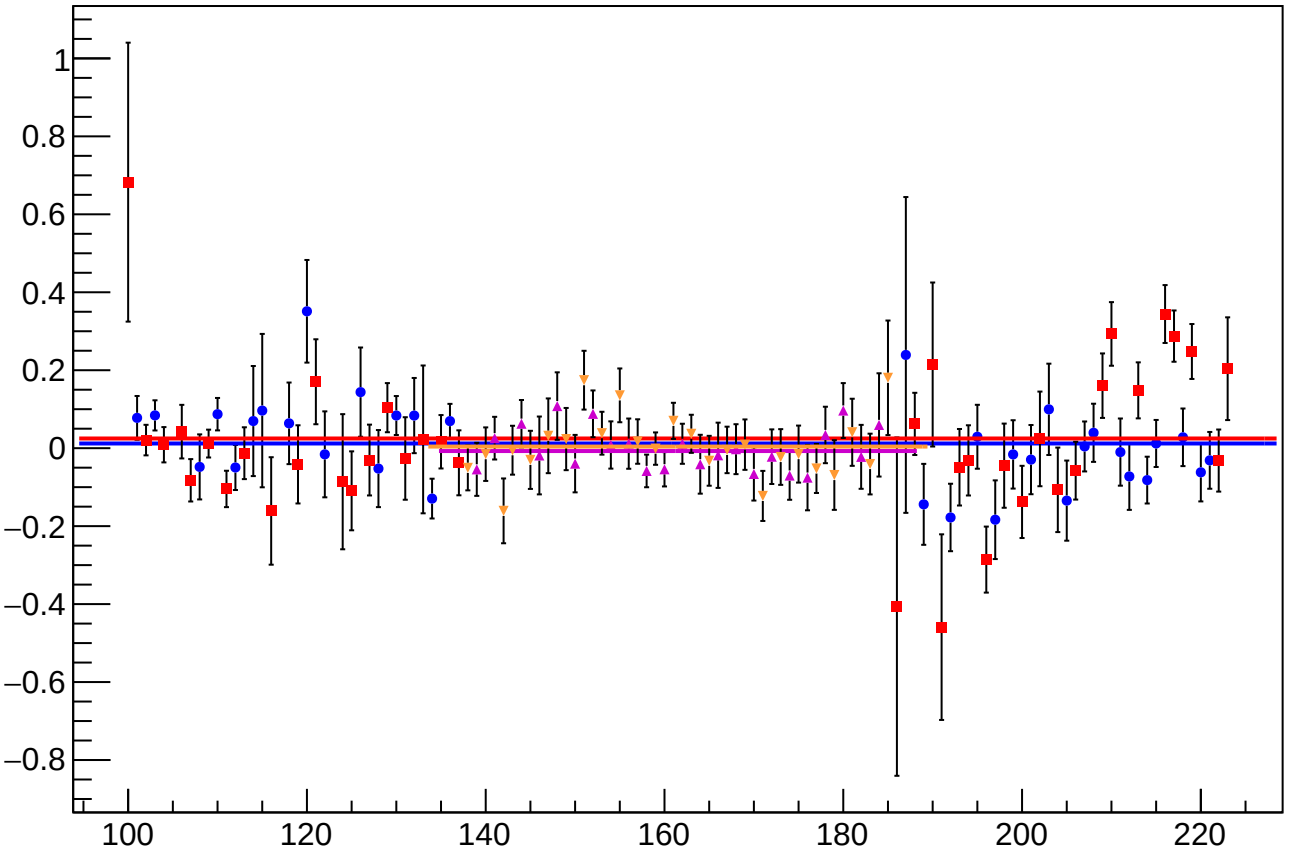
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 51.790+/-0.006 χ^2/NDF: 14079393.1/72

In: 54.136+/-0.006 χ^2/NDF:7280837.5/56

Out: 52.849+/-0.006 χ^2/NDF:9921899.6/63

All: 53.474+/-0.004 χ^2/NDF: 17223262.9/120



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

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

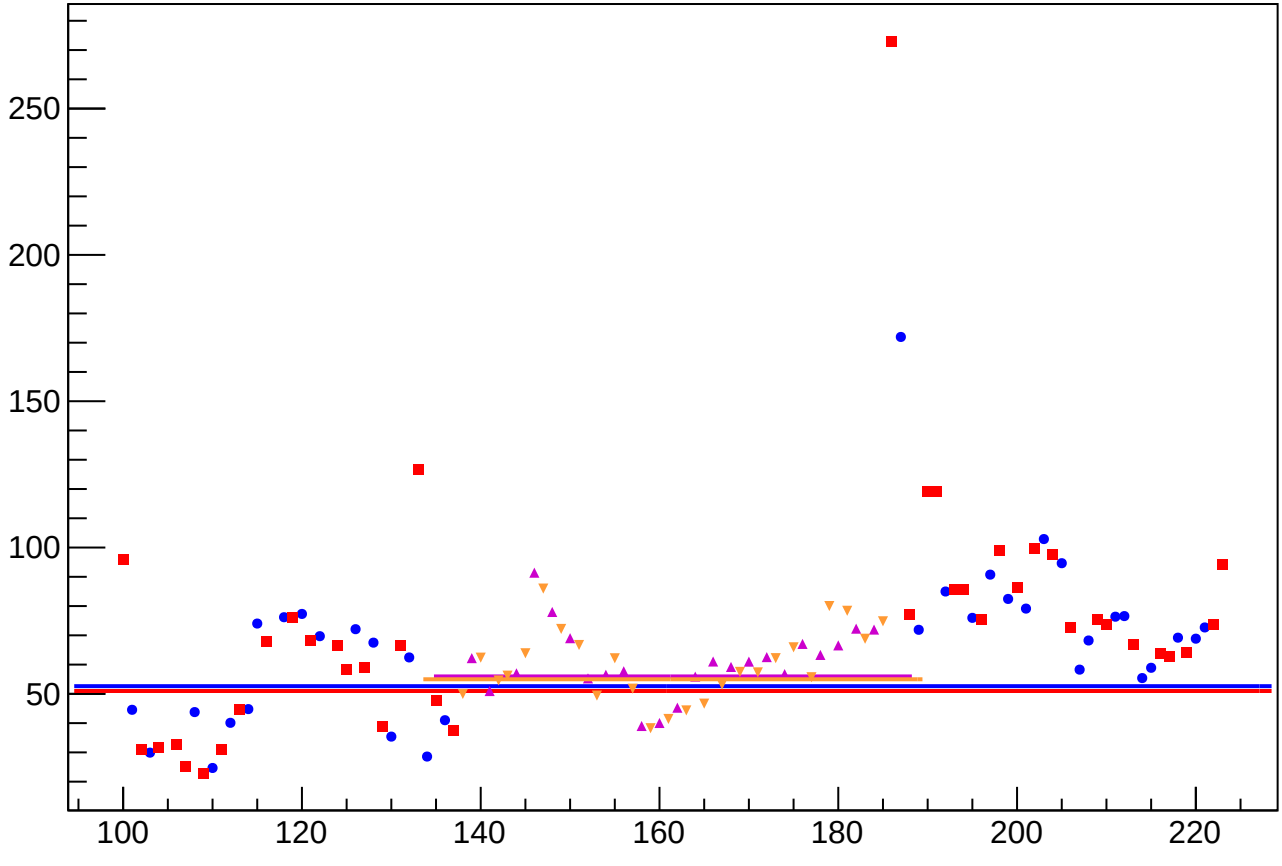
Right: 0.019+/-0.009 χ^2/NDF: 165.1/72

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.015+/-0.009 χ^2/NDF:140.8/63

All: 0.009+/-0.006 χ^2/NDF: 207.8/120

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

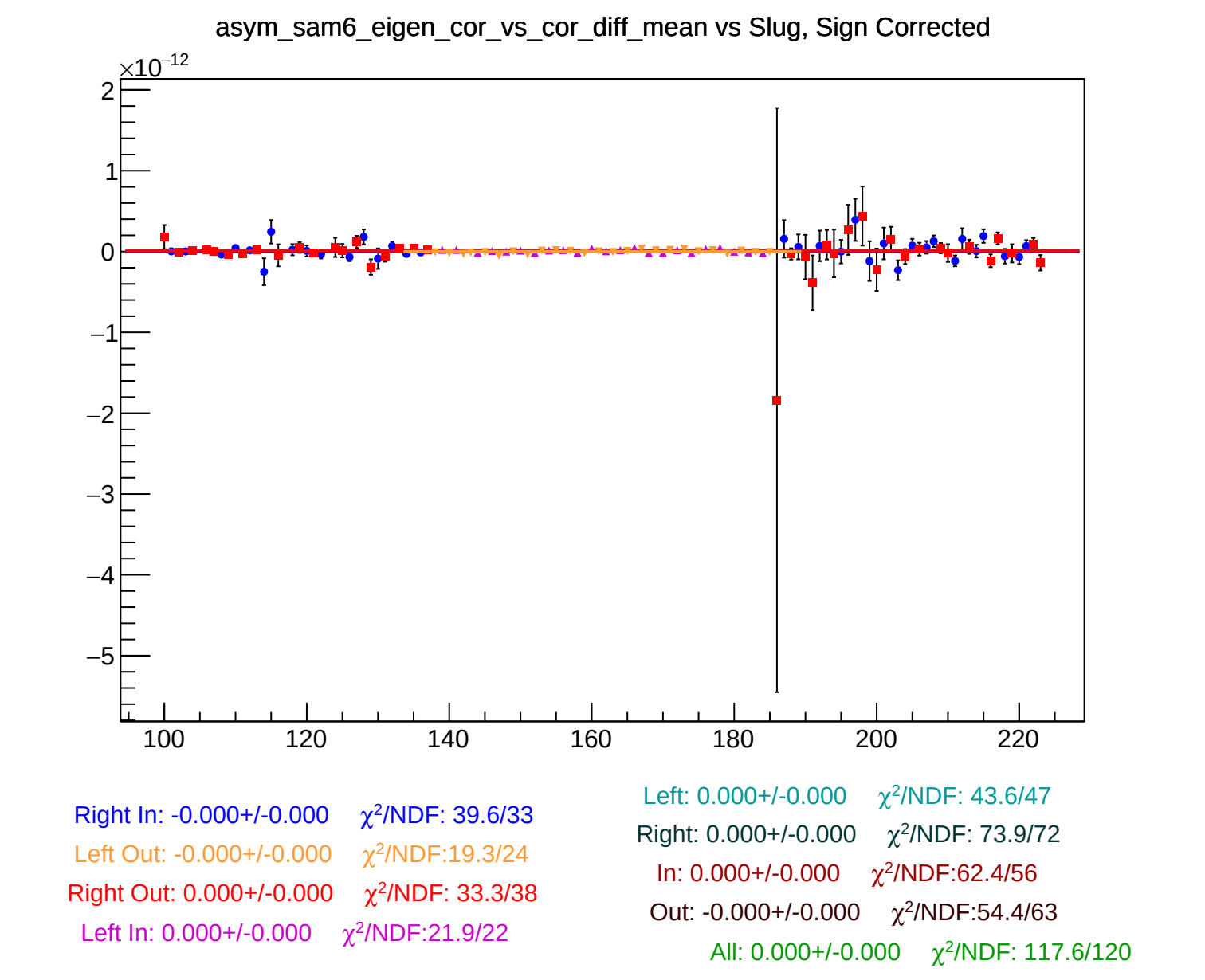
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

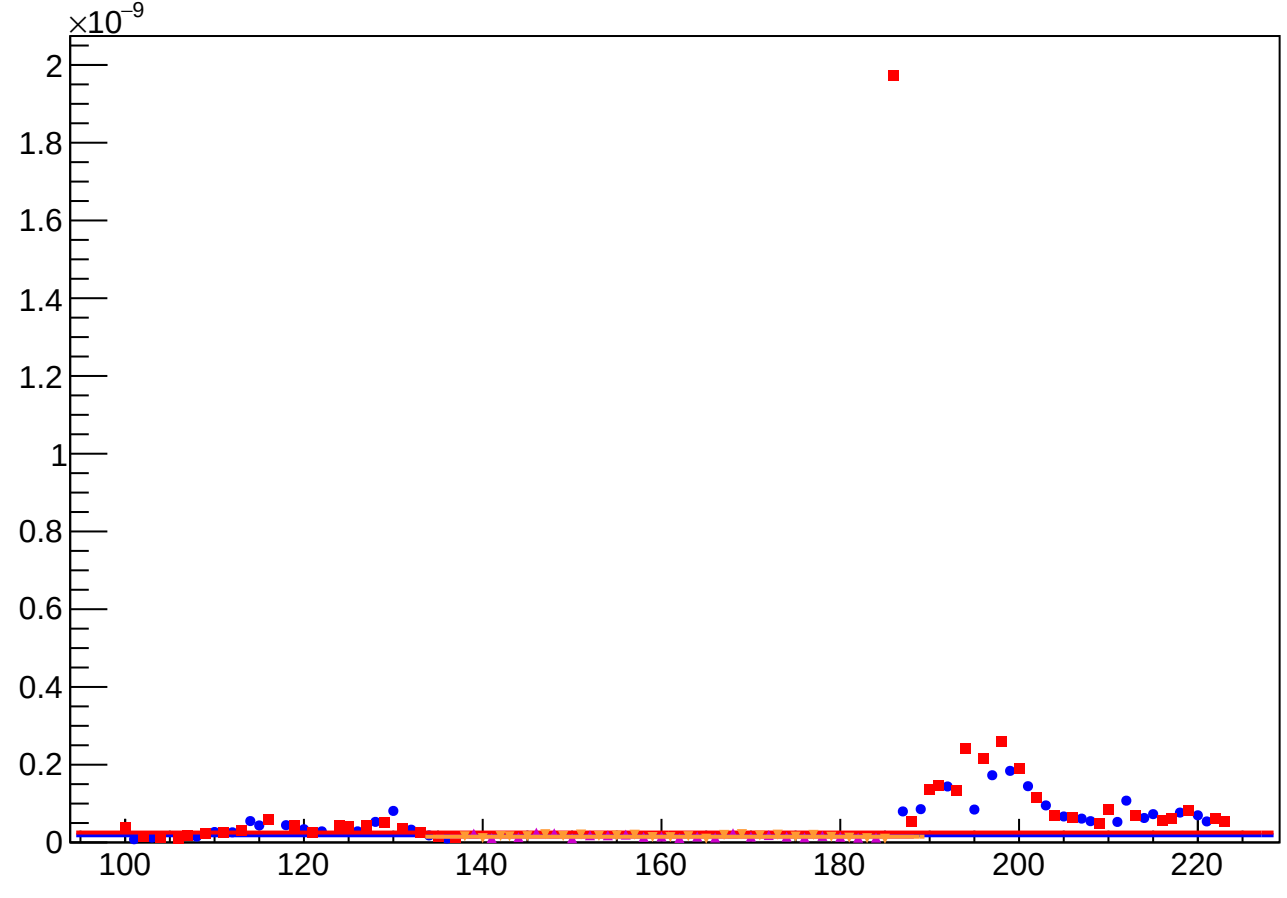
Right: 51.790+/-0.006 χ^2/NDF: 14079393.1/72

In: 54.136+/-0.006 χ^2/NDF:7280837.5/56

Out: 52.849+/-0.006 χ^2/NDF:9921899.6/63

All: 53.474+/-0.004 χ^2/NDF: 17223262.9/120


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 39.6/33
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.3/38
Left In: 0.000+/-0.000 χ²/NDF:21.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.6/47
Right: 0.000+/-0.000 χ²/NDF: 73.9/72
In: 0.000+/-0.000 χ²/NDF:62.4/56
Out: -0.000+/-0.000 χ²/NDF:54.4/63
All: 0.000+/-0.000 χ²/NDF: 117.6/120



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

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

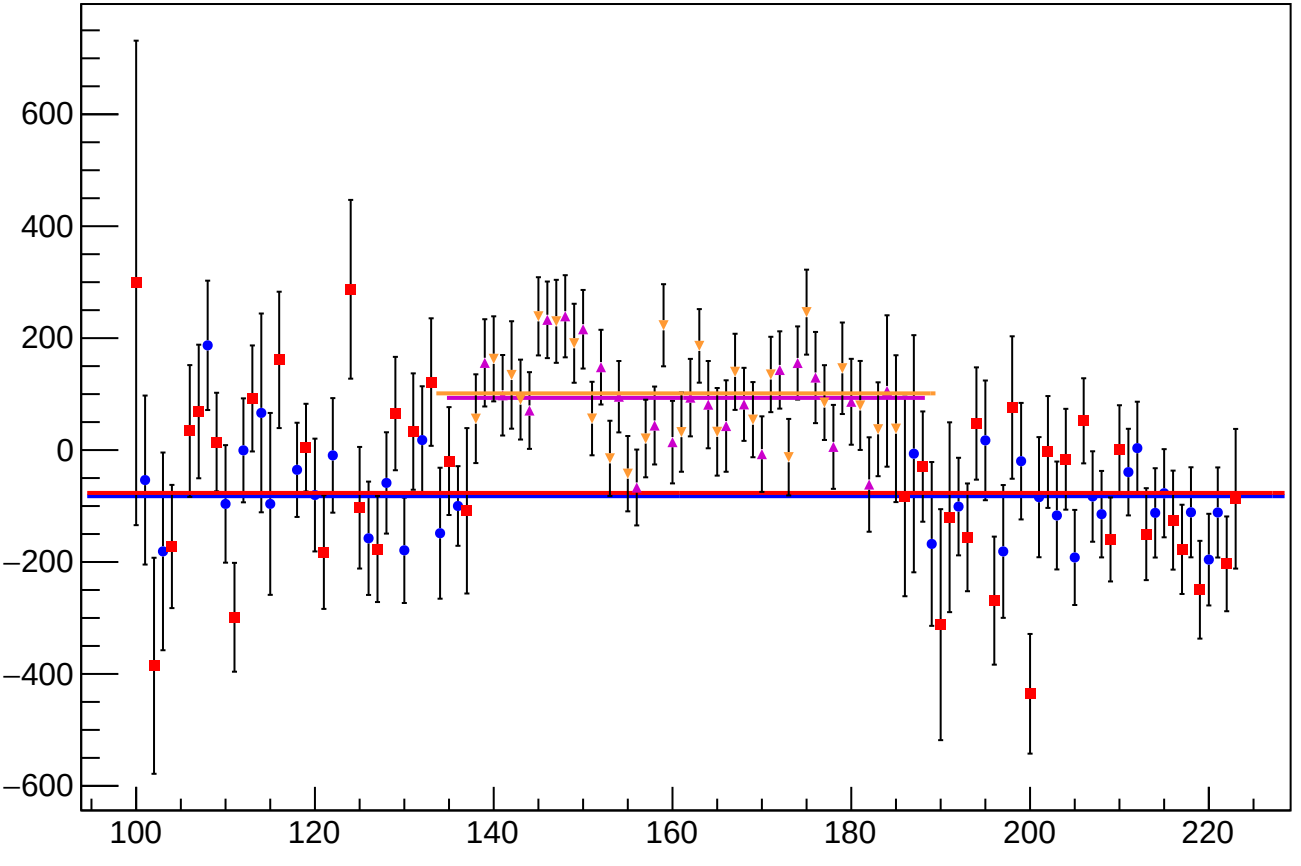
Right: 0.000+/-0.000 χ^2/NDF: 30370703.7/72

In: 0.000+/-0.000 χ^2/NDF:17666252.6/56

Out: 0.000+/-0.000 χ^2/NDF:17671940.1/63

All: 0.000+/-0.000 χ^2/NDF: 35394711.1/120

reg_asym_sam7_mean vs Slug, Sign Corrected



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

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

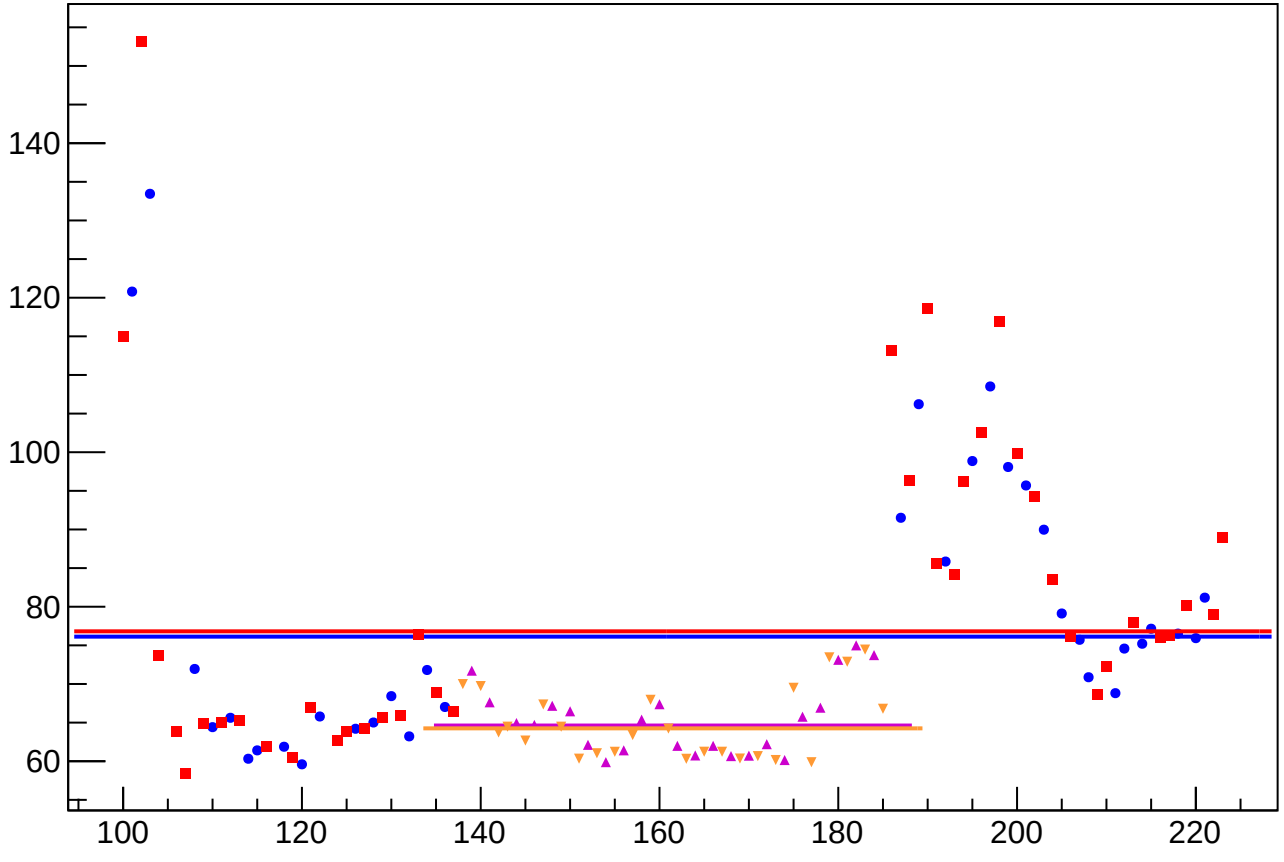
Right: -79.466+/-11.641 χ^2/NDF: 88.4/72

In: 13.049+/-11.159 χ^2/NDF:109.7/56

Out: 22.479+/-10.925 χ^2/NDF:168.3/63

All: 17.864+/-7.807 χ^2/NDF: 278.3/120

reg_asym_sam7_rms vs Slug, Sign Corrected



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

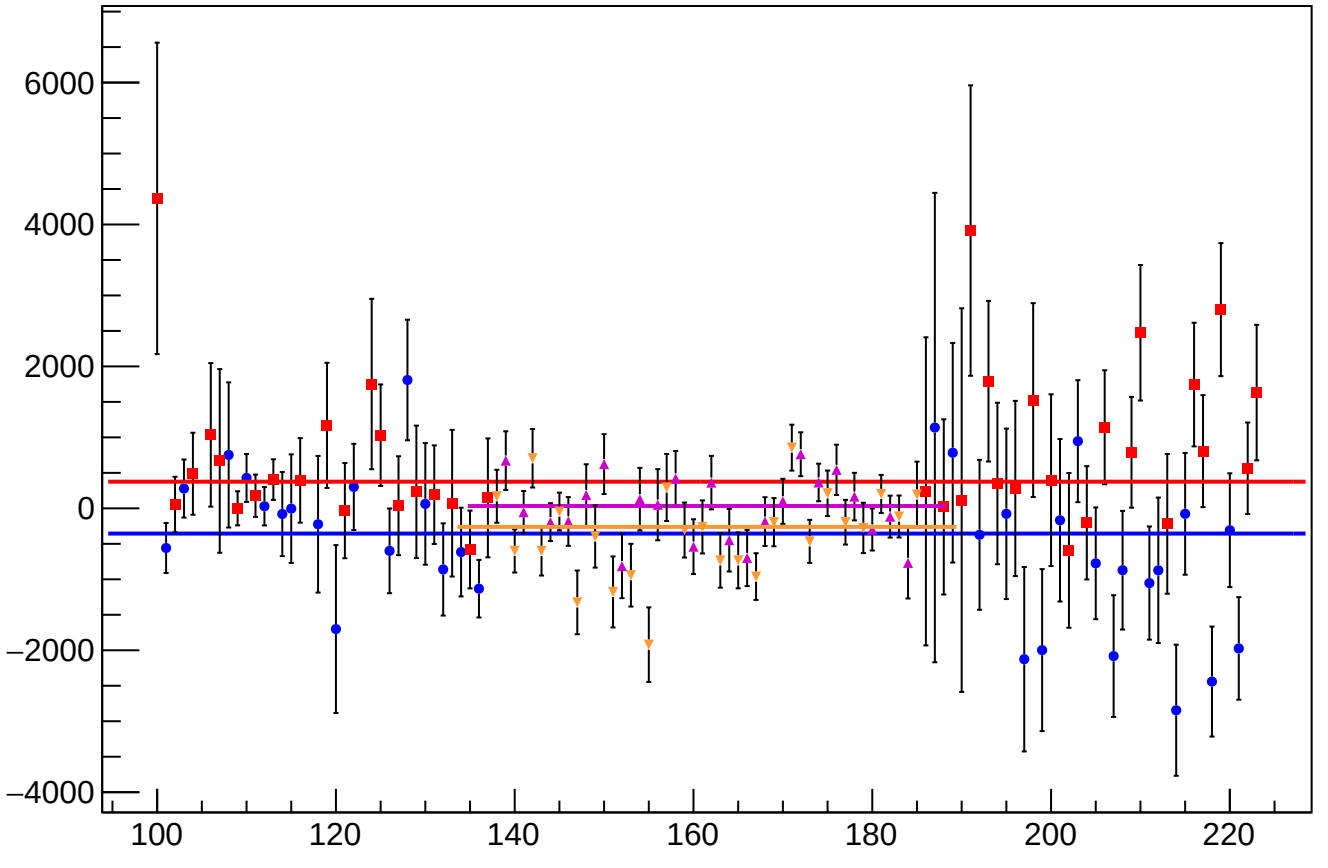
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.474+/-0.008 χ^2/NDF: 2978701.9/72

In: 69.875+/-0.008 χ^2/NDF:2015222.9/56

Out: 69.822+/-0.008 χ^2/NDF:2466659.4/63

All: 69.848+/-0.006 χ^2/NDF: 4481905.5/120



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

Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

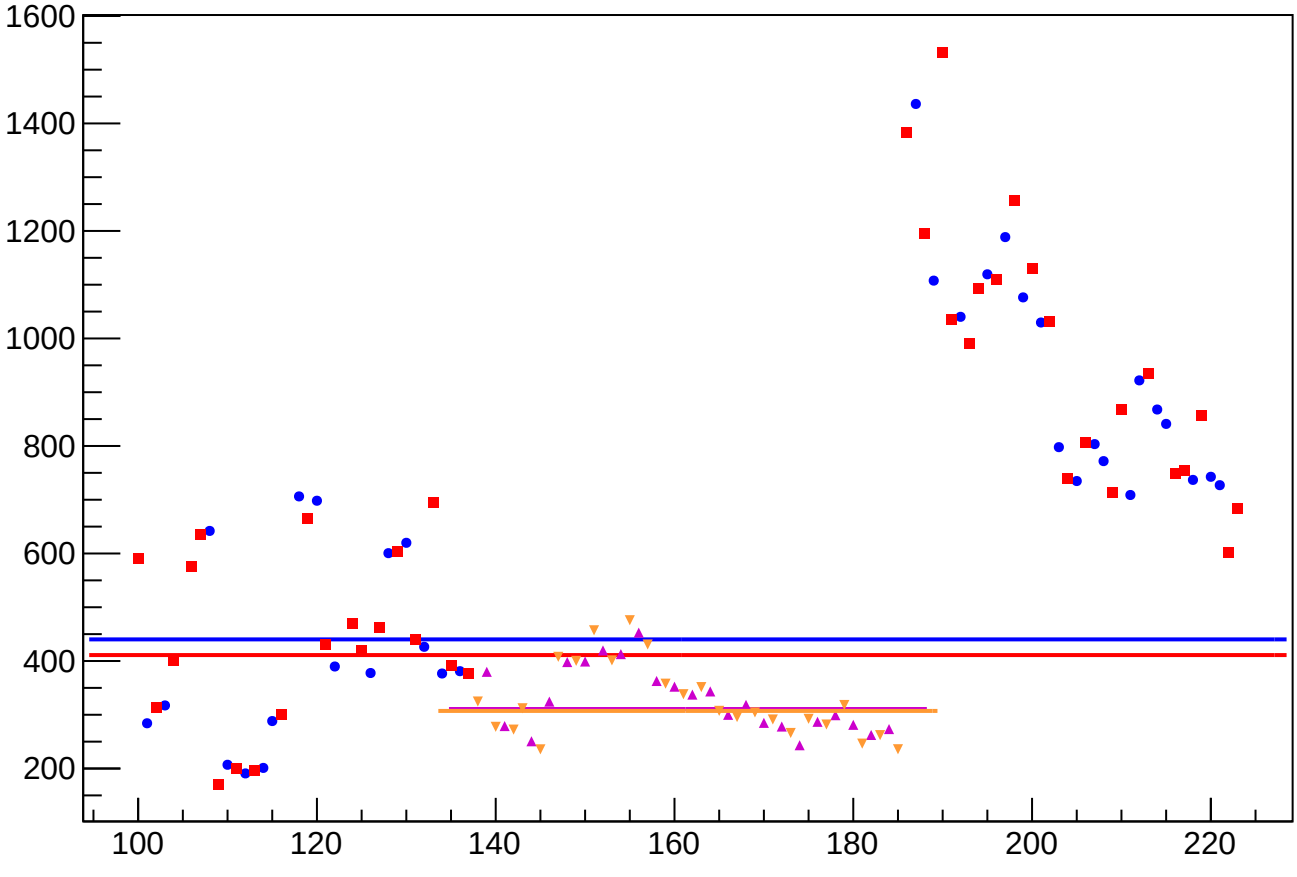
Right: 28.392+/-75.529 χ^2/NDF: 120.0/72

In: -88.696+/-61.237 χ^2/NDF:98.3/56

Out: -58.264+/-58.831 χ^2/NDF:122.8/63

All: -72.870+/-42.425 χ^2/NDF: 221.3/120

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



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

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

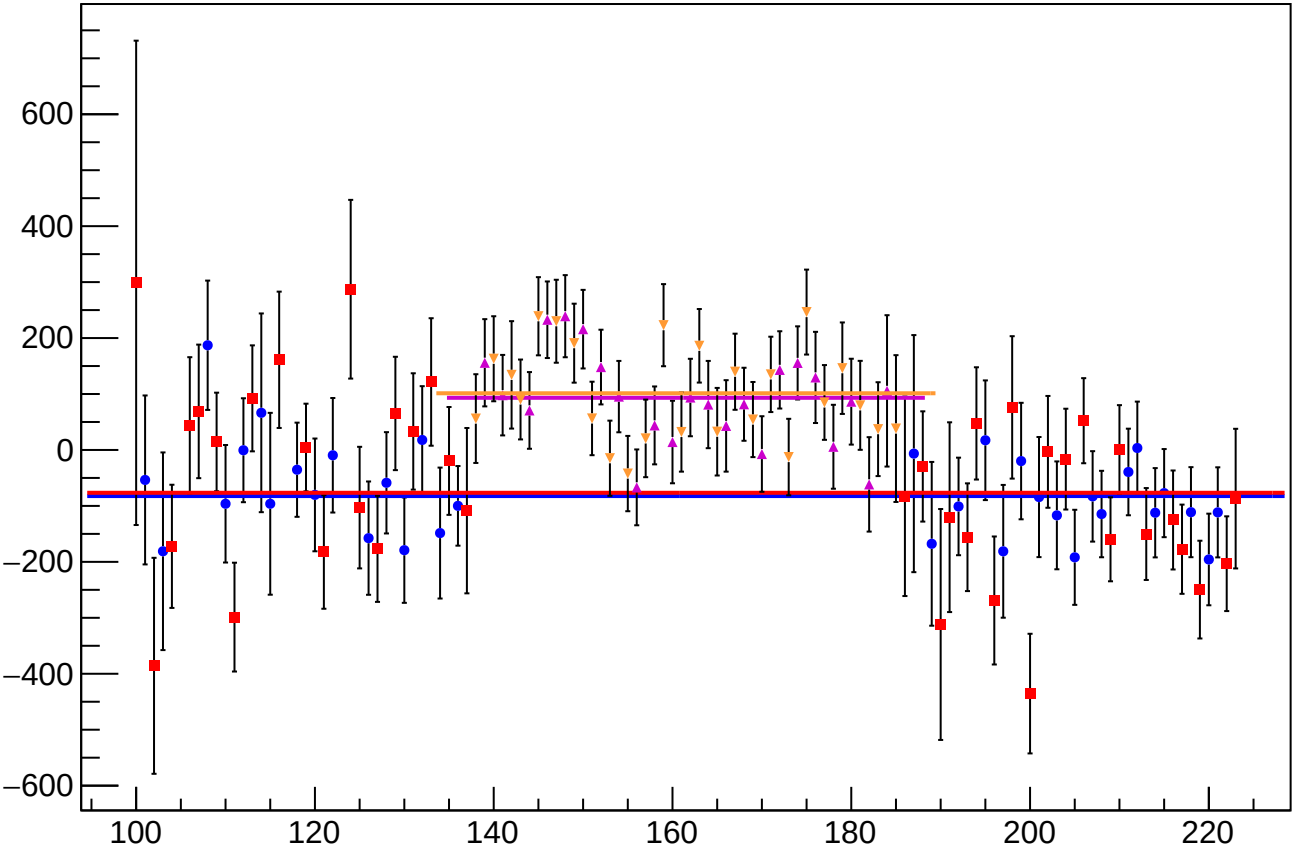
Right: 424.890+/-0.053 χ^2/NDF: 25920059.6/72

In: 351.127+/-0.043 χ^2/NDF:14596248.3/56

Out: 340.243+/-0.042 χ^2/NDF:16923945.8/63

All: 345.467+/-0.030 χ^2/NDF: 31553049.0/12

cor_asym_sam7_mean vs Slug, Sign Corrected



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

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

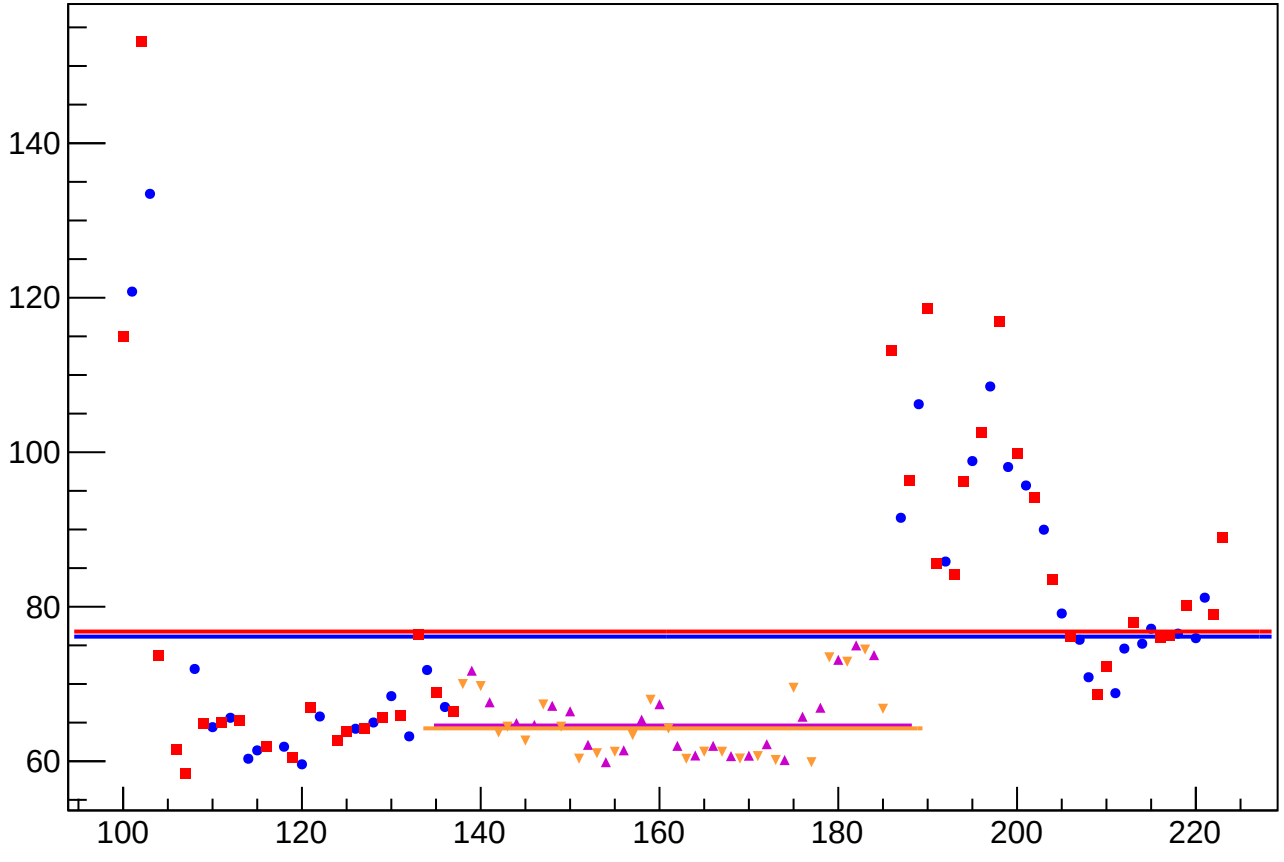
Right: -79.448+/-11.644 χ^2/NDF: 88.5/72

In: 13.048+/-11.159 χ^2/NDF:109.7/56

Out: 22.552+/-10.928 χ^2/NDF:168.3/63

All: 17.899+/-7.808 χ^2/NDF: 278.3/120

cor_asym_sam7_rms vs Slug, Sign Corrected



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

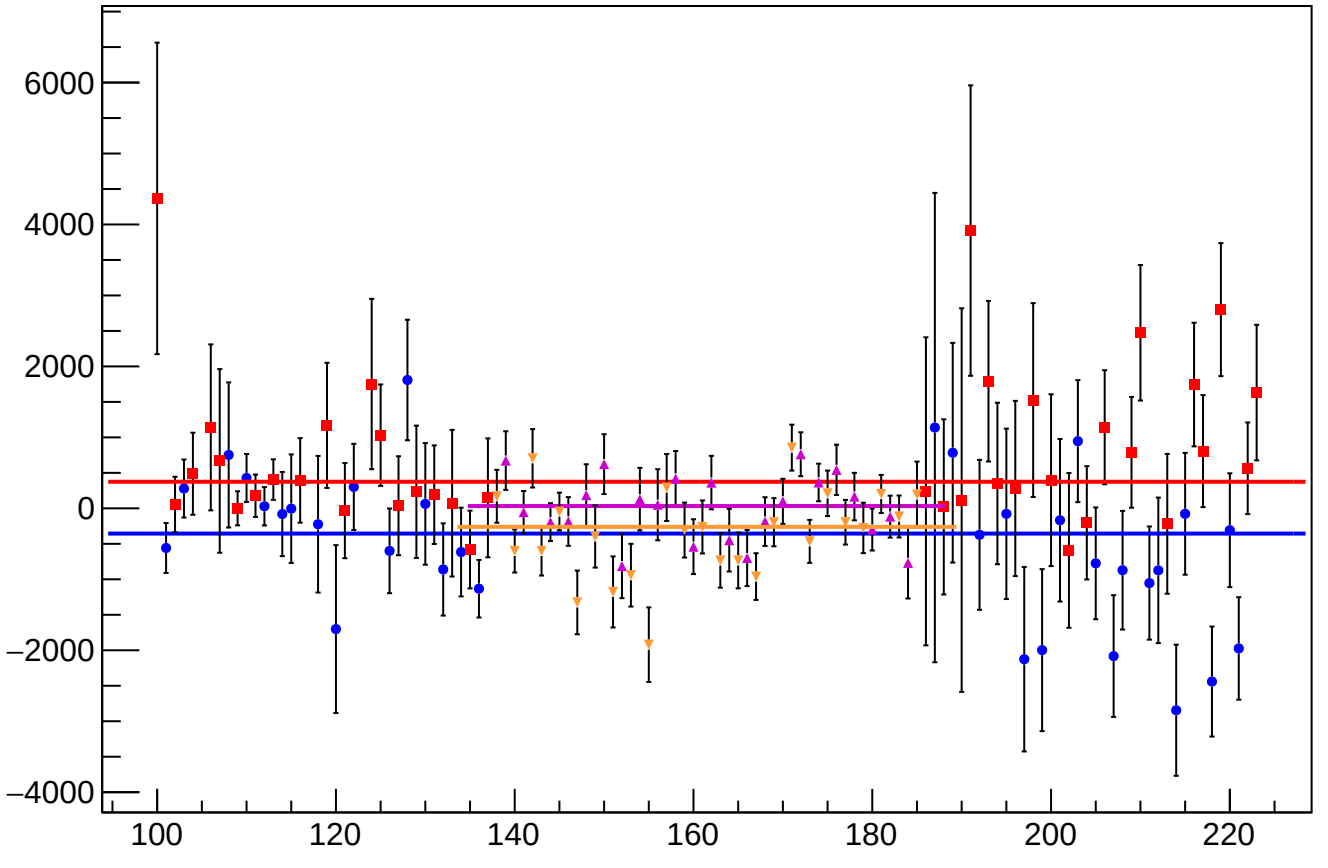
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.461+/-0.008 χ^2/NDF: 2985974.6/72

In: 69.875+/-0.008 χ^2/NDF:2015223.2/56

Out: 69.806+/-0.008 χ^2/NDF:2470860.7/63

All: 69.840+/-0.006 χ^2/NDF: 4486122.7/120



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

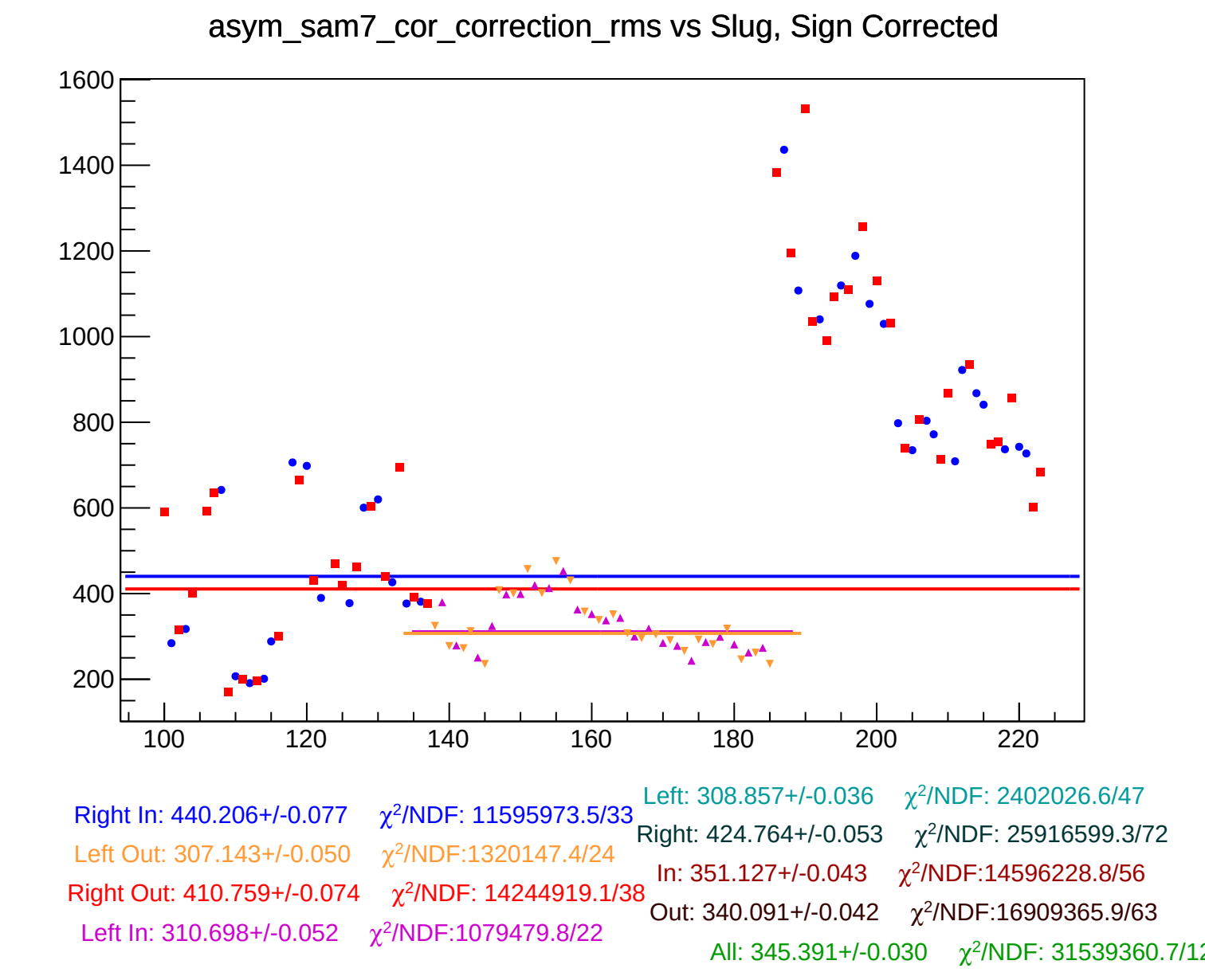
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

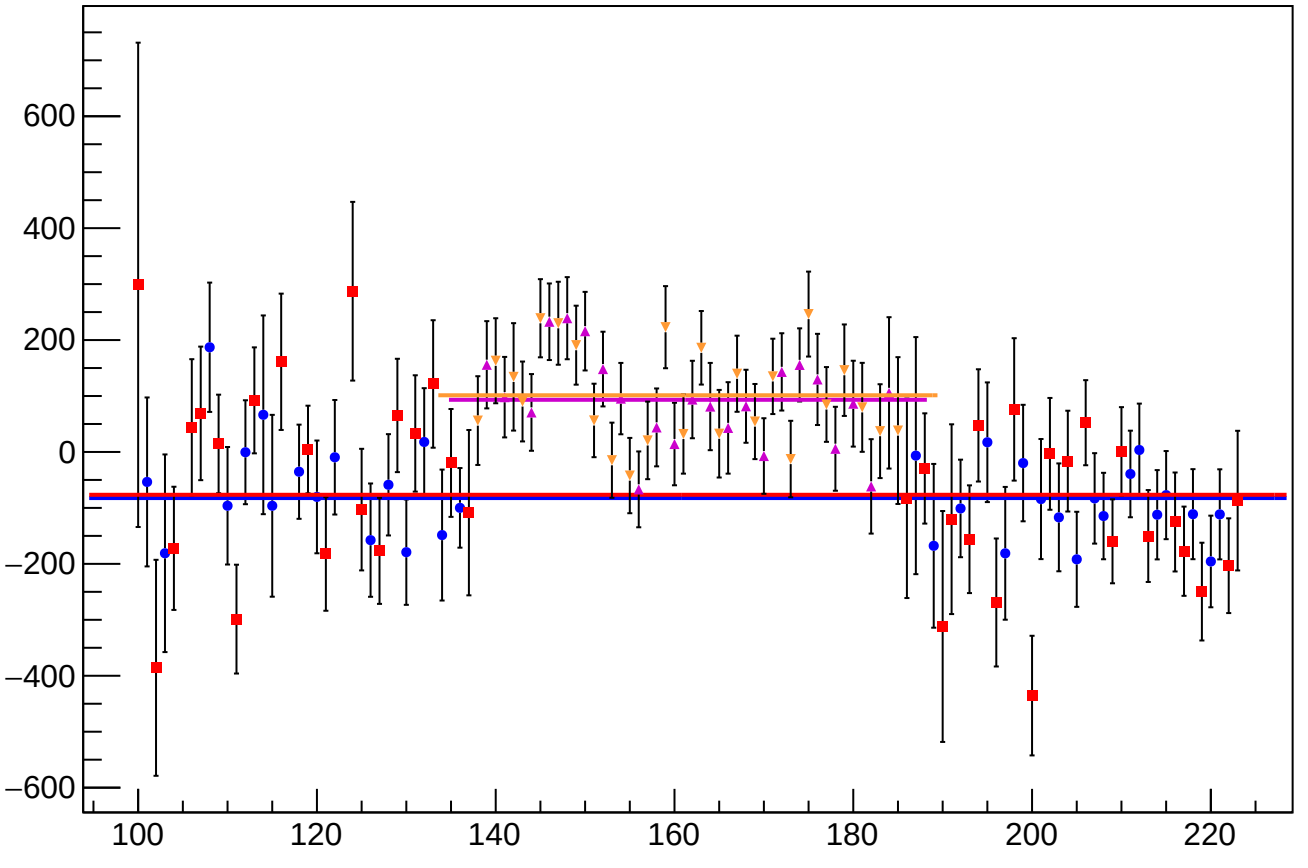
Right: 27.415+/-75.584 χ^2/NDF: 119.9/72

In: -88.697+/-61.237 χ^2/NDF:98.3/56

Out: -58.934+/-58.856 χ^2/NDF:122.7/63

All: -73.226+/-42.434 χ^2/NDF: 221.2/120


asym_sam7_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 440.206+/-0.077 χ²/NDF: 11595973.5/33
Left Out: 307.143+/-0.050 χ²/NDF:1320147.4/24
Right Out: 410.759+/-0.074 χ²/NDF: 14244919.1/38
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 424.764+/-0.053 χ²/NDF: 25916599.3/72
In: 351.127+/-0.043 χ²/NDF:14596228.8/56
Out: 340.091+/-0.042 χ²/NDF:16909365.9/63
All: 345.391+/-0.030 χ²/NDF: 31539360.7/12



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

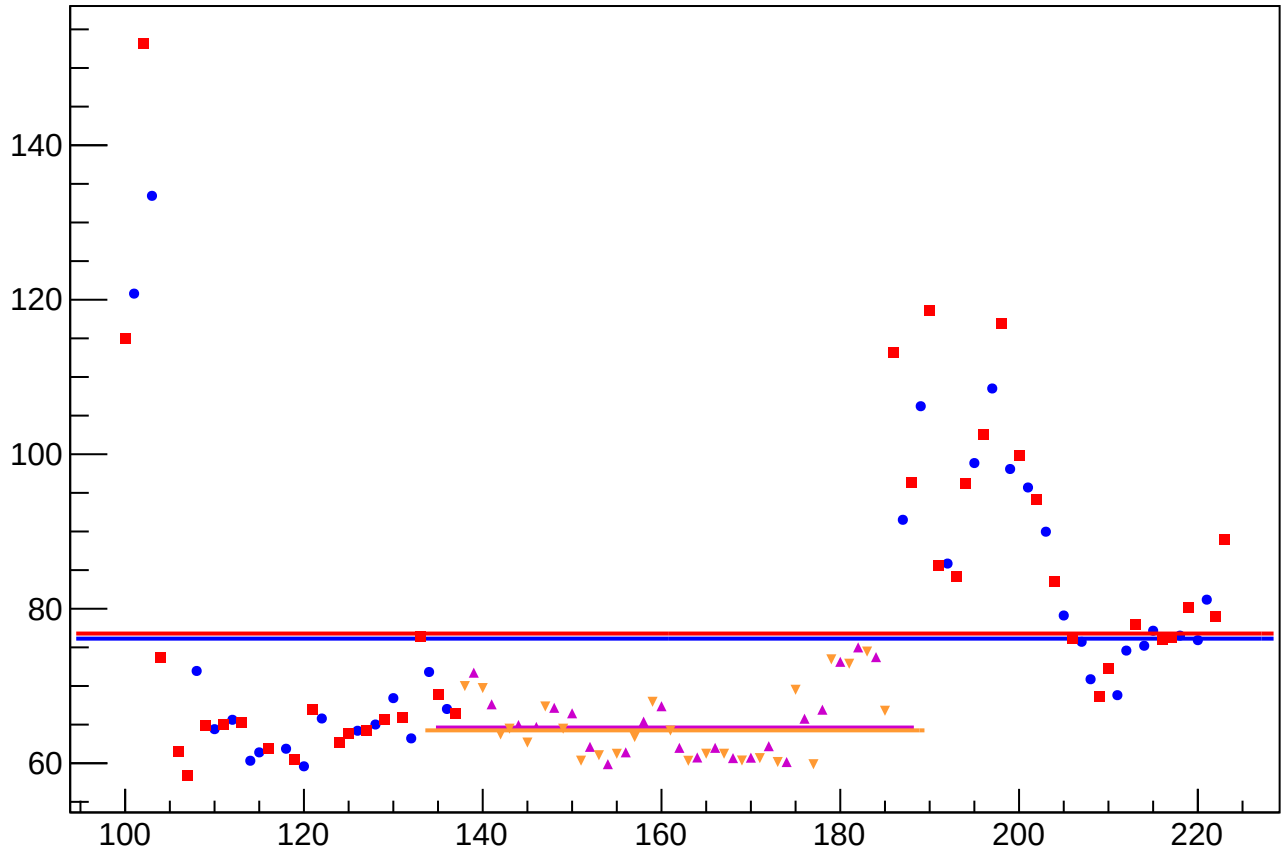
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -79.448+/-11.644 χ^2/NDF: 88.5/72

In: 13.048+/-11.159 χ^2/NDF:109.7/56

Out: 22.552+/-10.928 χ^2/NDF:168.3/63

All: 17.899+/-7.808 χ^2/NDF: 278.3/120



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

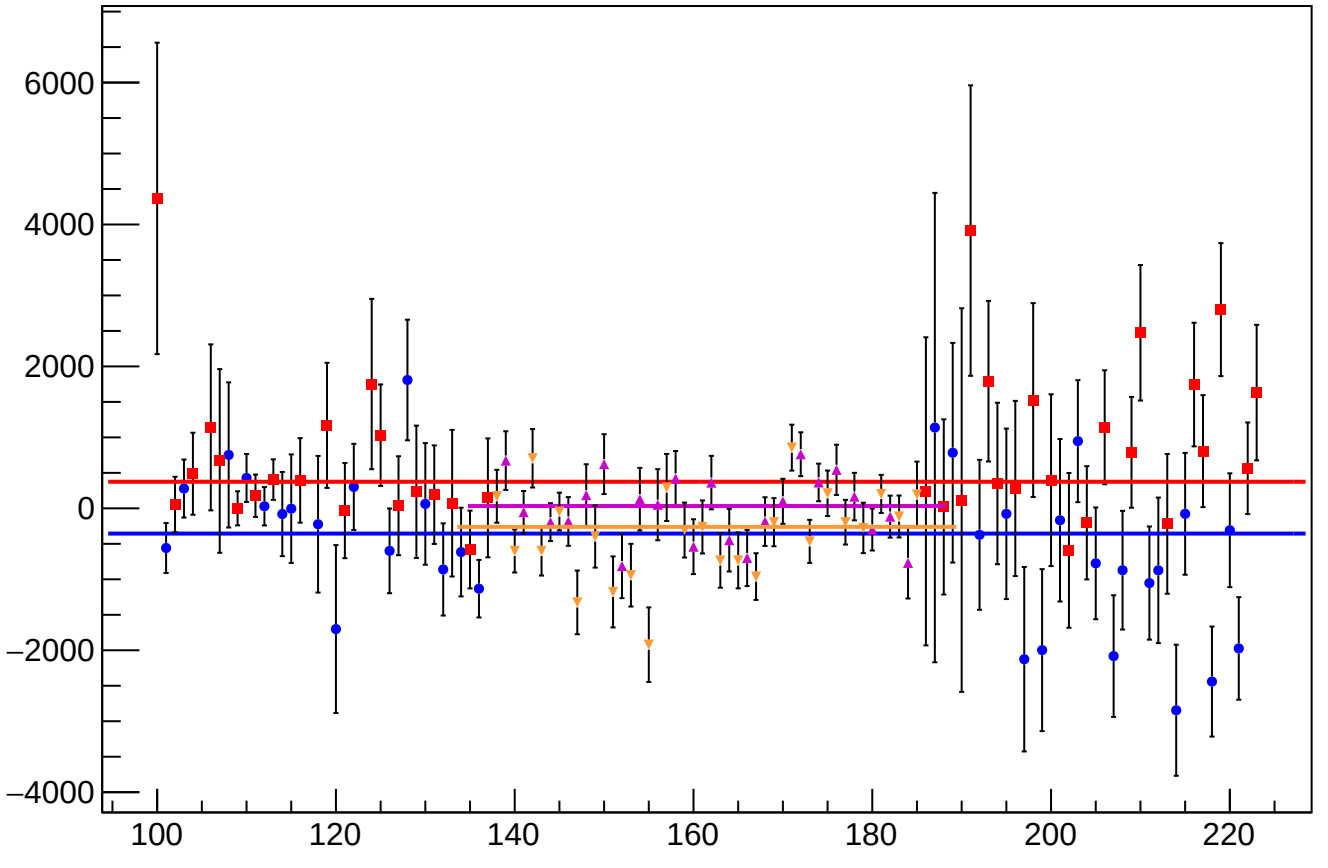
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.461+/-0.008 χ^2/NDF: 2985974.6/72

In: 69.875+/-0.008 χ^2/NDF:2015223.2/56

Out: 69.806+/-0.008 χ^2/NDF:2470860.7/63

All: 69.840+/-0.006 χ^2/NDF: 4486122.7/120



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

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

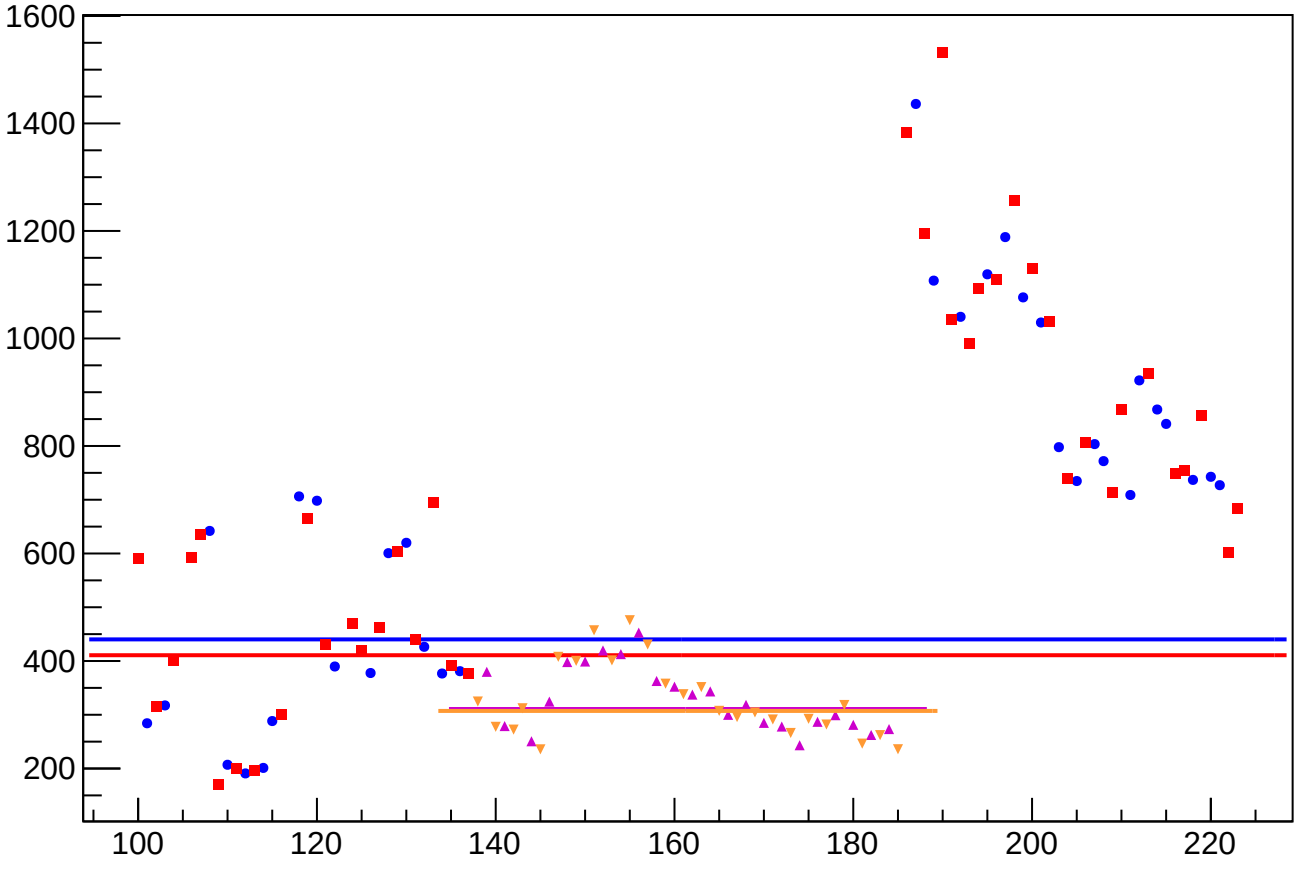
Right: 27.415+/-75.584 χ^2/NDF: 119.9/72

In: -88.697+/-61.237 χ^2/NDF:98.3/56

Out: -58.934+/-58.856 χ^2/NDF:122.7/63

All: -73.226+/-42.434 χ^2/NDF: 221.2/120

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

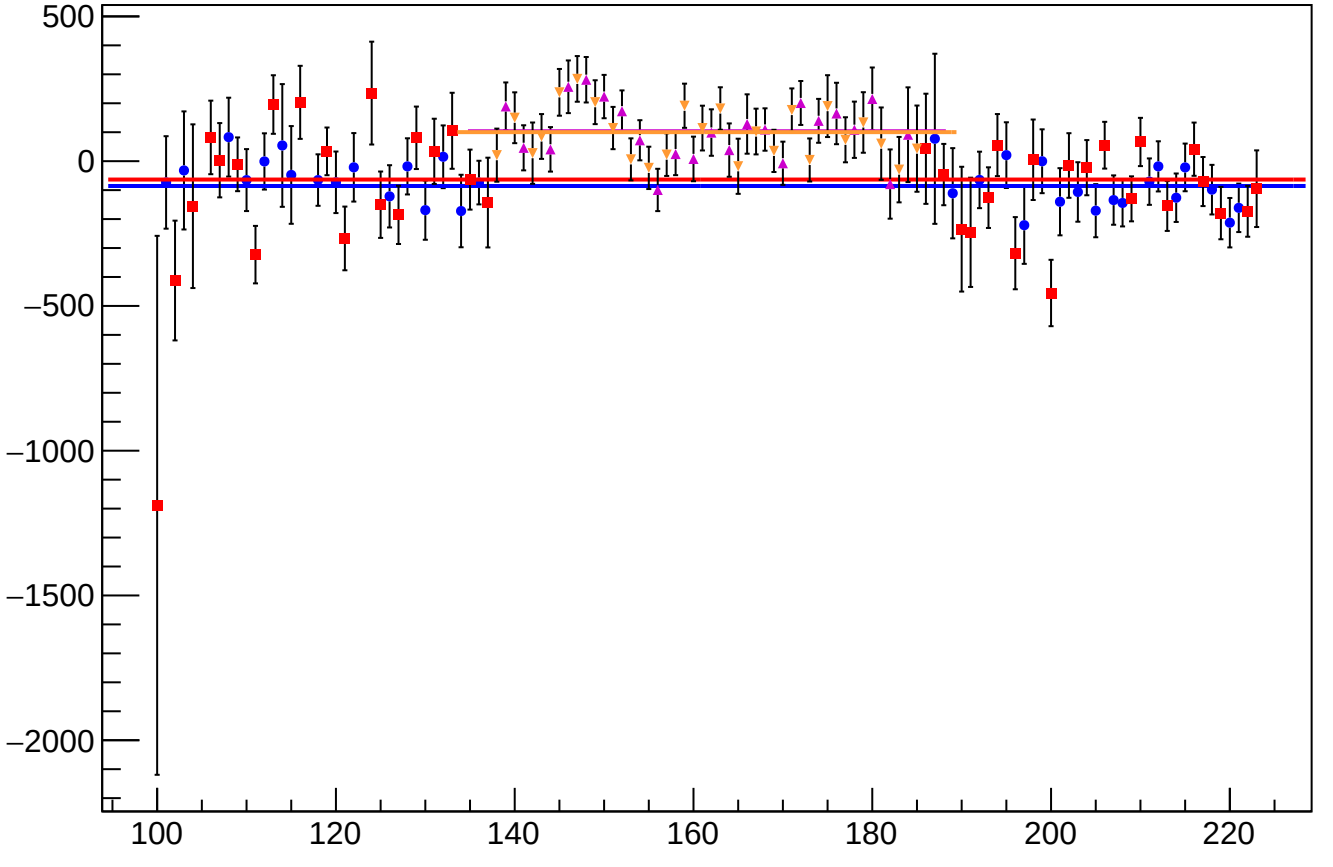
Right: 424.764+/-0.053 χ^2/NDF: 25916599.3/72

In: 351.127+/-0.043 χ^2/NDF:14596228.8/56

Out: 340.091+/-0.042 χ^2/NDF:16909365.9/63

All: 345.391+/-0.030 χ^2/NDF: 31539360.7/12

dit_asym_sam7_mean vs Slug, Sign Corrected



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

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

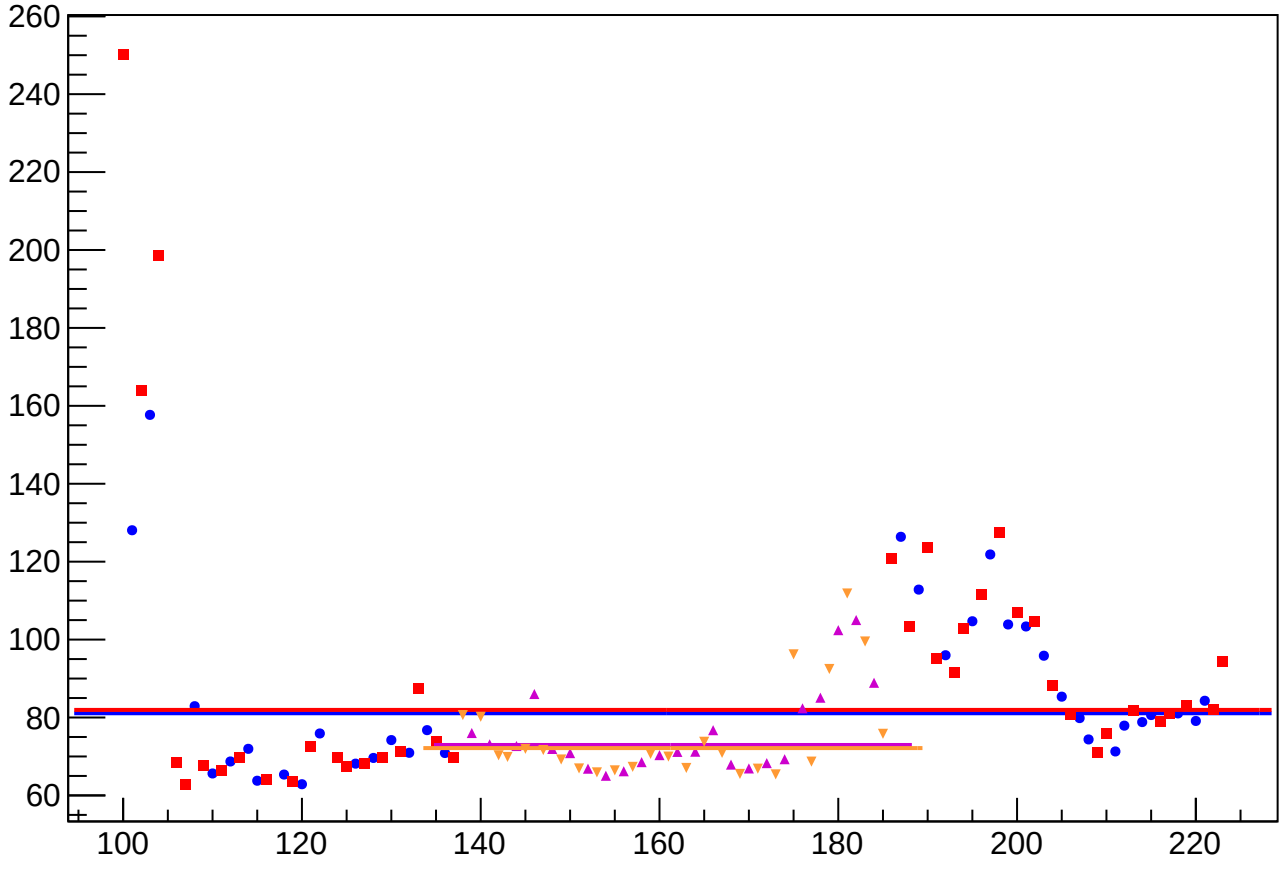
Right: -74.579+/-12.463 χ^2/NDF: 85.3/72

In: 10.848+/-12.336 χ^2/NDF:106.7/56

Out: 23.135+/-12.090 χ^2/NDF:142.6/63

All: 17.115+/-8.634 χ^2/NDF: 249.9/120

dit_asym_sam7_rms vs Slug, Sign Corrected



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

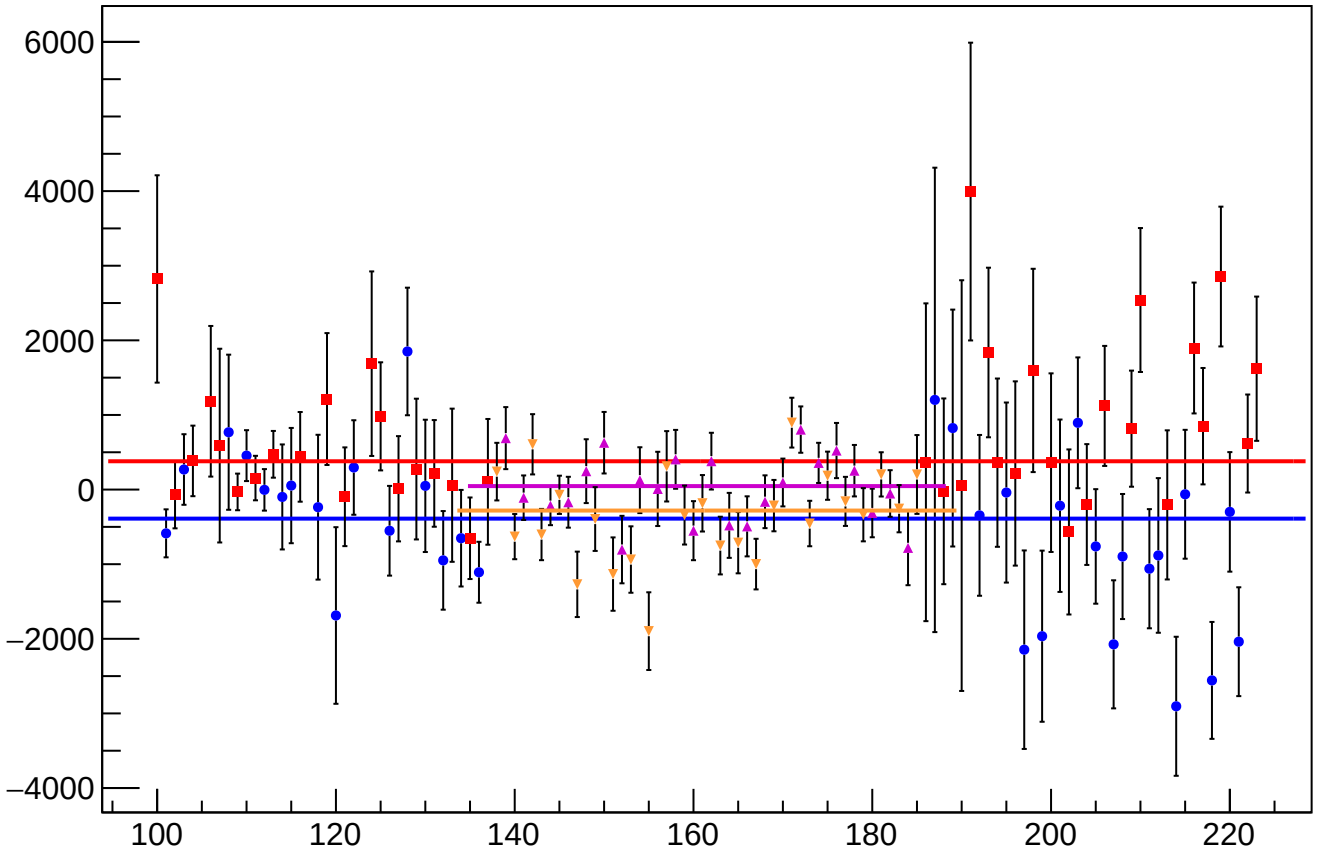
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.521+/-0.009 χ^2/NDF: 3659293.5/72

In: 76.932+/-0.009 χ^2/NDF:2236216.9/56

Out: 76.767+/-0.009 χ^2/NDF:3116883.9/63

All: 76.848+/-0.006 χ^2/NDF: 5353282.5/120



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

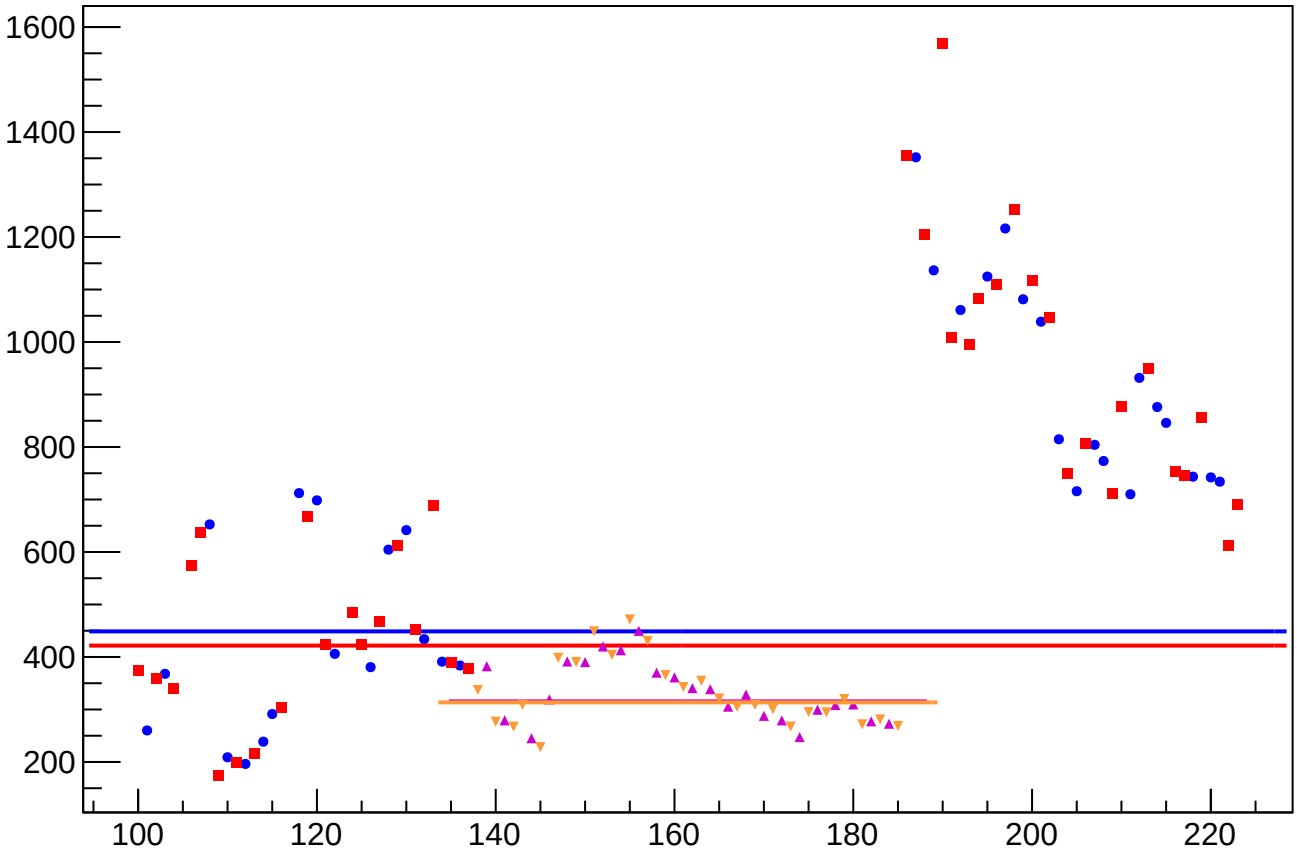
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

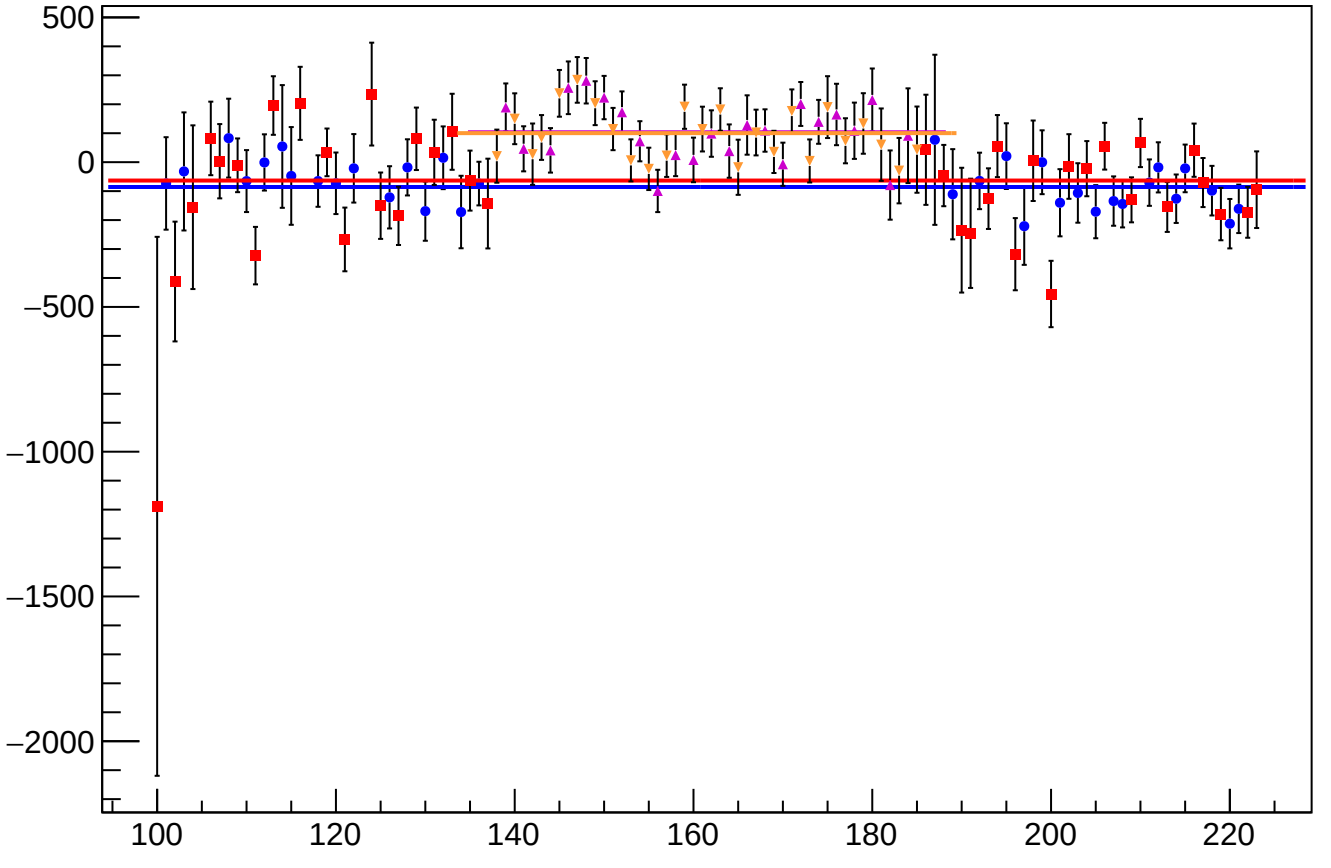
Right: 14.257+/-76.769 χ^2/NDF: 124.3/72

In: -89.153+/-62.155 χ^2/NDF:99.3/56

Out: -70.377+/-59.853 χ^2/NDF:124.6/63

All: -79.411+/-43.113 χ^2/NDF: 224.0/120


asym_sam7_dit_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 448.755+/-0.079 χ²/NDF: 11416472.7/33
Left Out: 313.500+/-0.051 χ²/NDF:1175529.4/24
Right Out: 421.703+/-0.075 χ²/NDF: 13724022.9/38
Left In: 315.455+/-0.053 χ²/NDF:1008523.1/22
Left: 314.446+/-0.037 χ²/NDF: 2184755.7/47
Right: 434.551+/-0.054 χ²/NDF: 25202424.0/72
In: 356.953+/-0.044 χ²/NDF:14397206.8/56
Out: 348.035+/-0.042 χ²/NDF:16319915.5/63
All: 352.326+/-0.030 χ²/NDF: 30738485.3/12



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

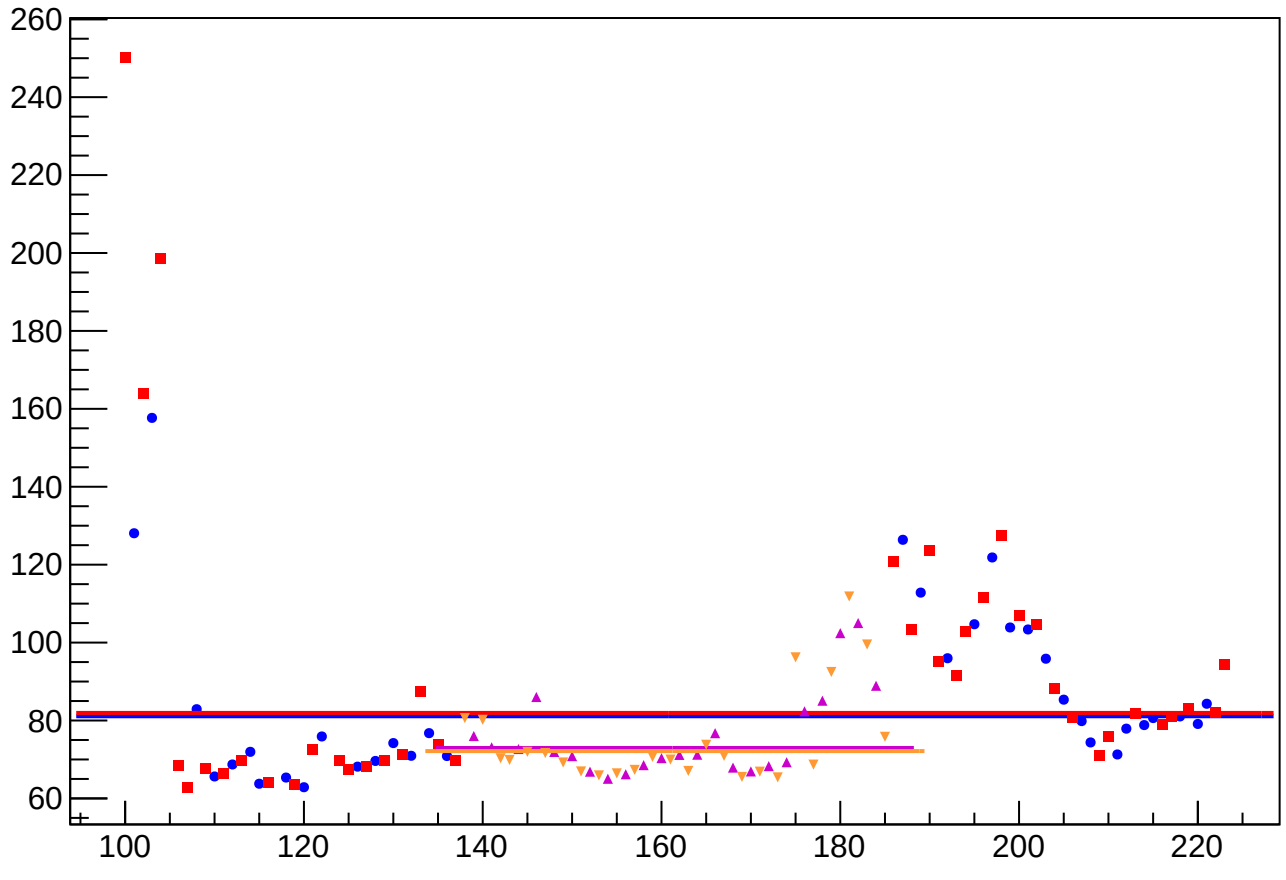
Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

Right: -74.579+/-12.463 χ^2/NDF: 85.3/72

In: 10.848+/-12.336 χ^2/NDF:106.7/56

Out: 23.134+/-12.090 χ^2/NDF:142.6/63

All: 17.115+/-8.634 χ^2/NDF: 249.9/120



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

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

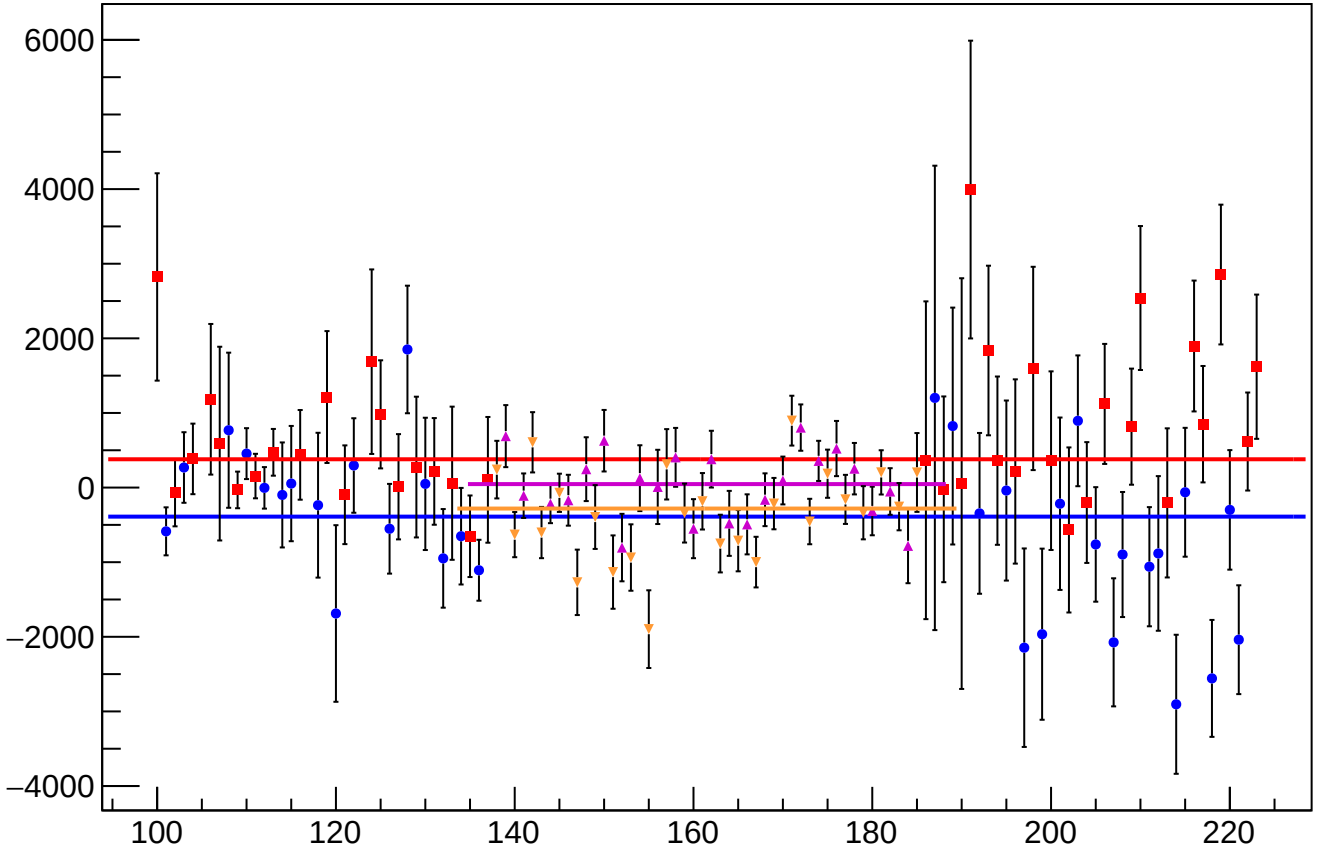
Right: 81.521+/-0.009 χ^2/NDF: 3659301.5/72

In: 76.932+/-0.009 χ^2/NDF:2236220.4/56

Out: 76.767+/-0.009 χ^2/NDF:3116876.6/63

All: 76.848+/-0.006 χ^2/NDF: 5353278.8/120

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



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

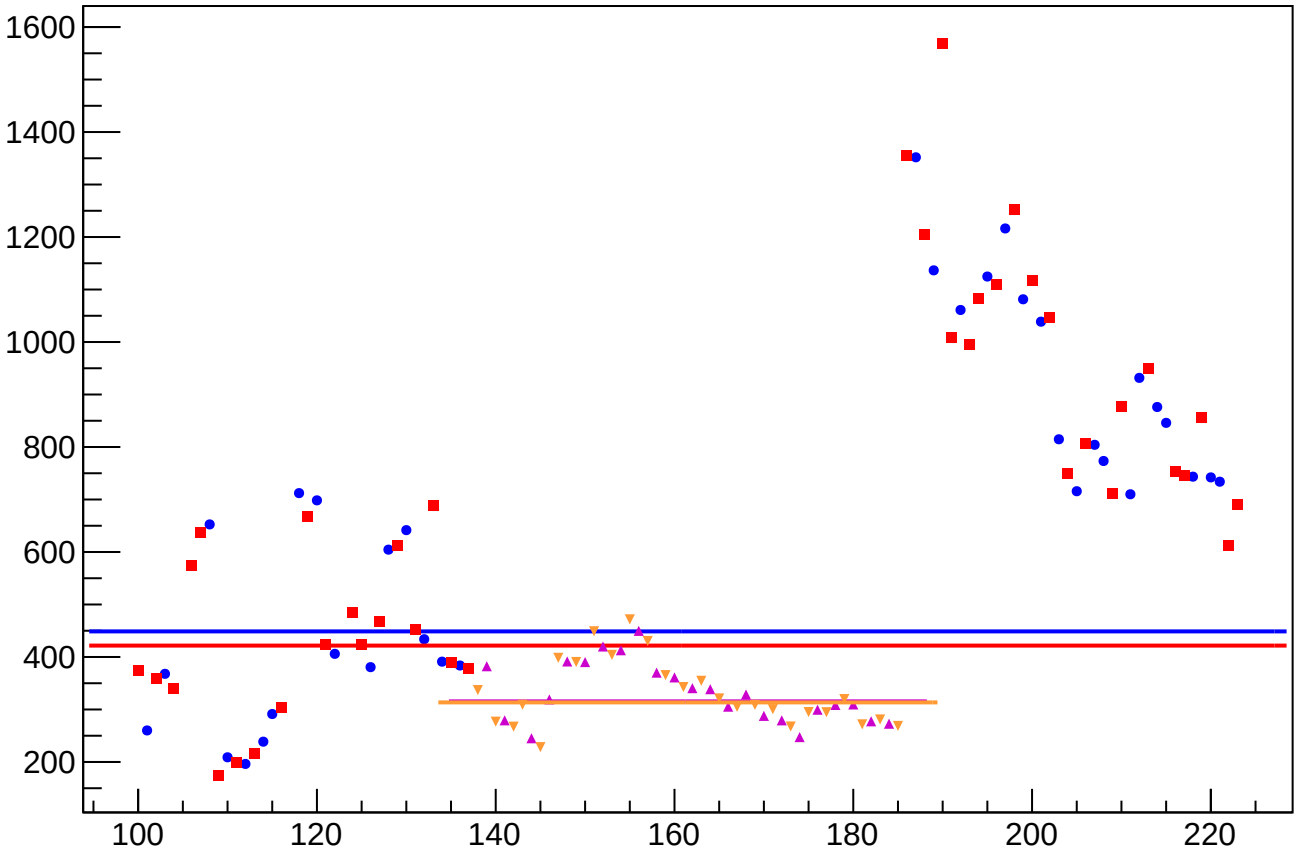
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 14.257+/-76.769 χ^2/NDF: 124.3/72

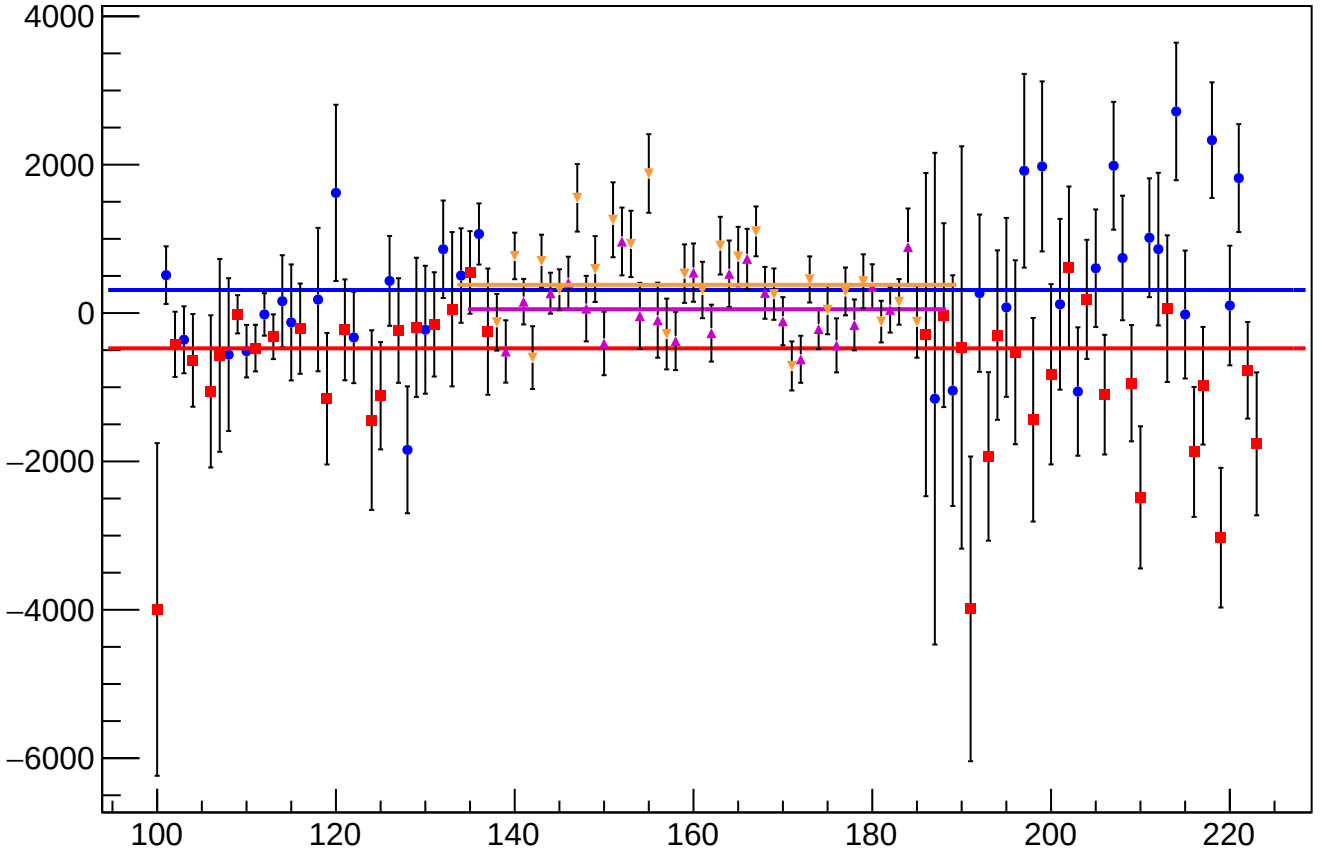
In: -89.153+/-62.155 χ^2/NDF:99.3/56

Out: -70.377+/-59.853 χ^2/NDF:124.6/63

All: -79.411+/-43.113 χ^2/NDF: 224.0/120


asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 448.752+/-0.079 χ²/NDF: 11416617.6/33
Left Out: 313.500+/-0.051 χ²/NDF:1175534.8/24
Right Out: 421.701+/-0.075 χ²/NDF: 13724109.3/38
Left In: 315.456+/-0.053 χ²/NDF:1008521.8/22
Left: 314.447+/-0.037 χ²/NDF: 2184760.0/47
Right: 434.548+/-0.054 χ²/NDF: 25202651.0/72
In: 356.953+/-0.044 χ²/NDF:14397263.8/56
Out: 348.035+/-0.042 χ²/NDF:16319959.6/63
All: 352.325+/-0.030 χ²/NDF: 30738586.3/12

asym_sam7_mean vs Slug, Sign Corrected



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

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

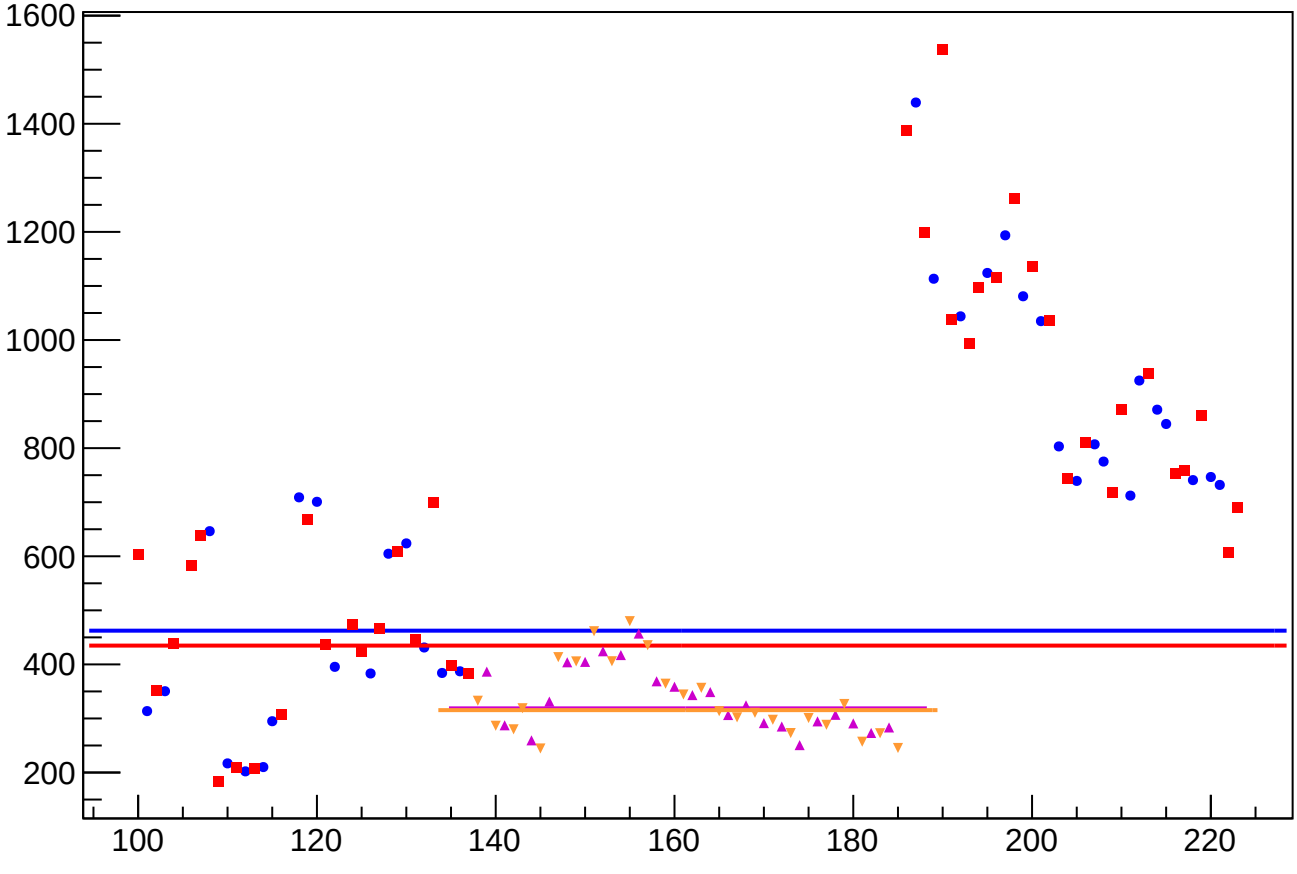
Right: -100.655+/-78.495 χ^2/NDF: 116.6/72

In: 131.000+/-62.962 χ^2/NDF:85.7/56

Out: 113.622+/-60.607 χ^2/NDF:135.9/63

All: 121.980+/-43.665 χ^2/NDF: 221.7/120

asym_sam7_rms vs Slug, Sign Corrected



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

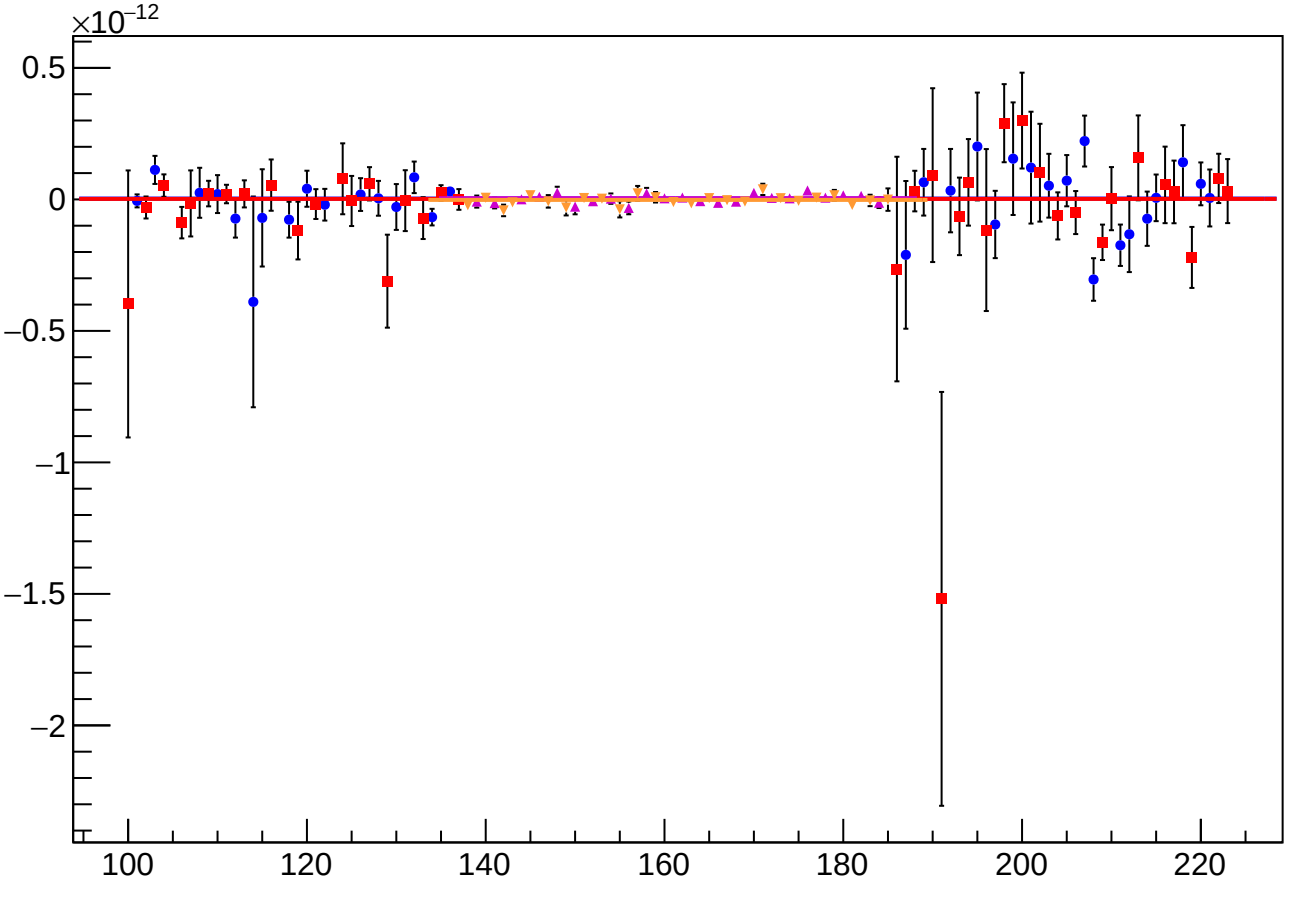
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 447.952+/-0.056 χ^2/NDF: 24122553.9/72

In: 362.794+/-0.045 χ^2/NDF:13970228.6/56

Out: 352.616+/-0.043 χ^2/NDF:16173657.0/63

All: 357.511+/-0.031 χ^2/NDF: 30171012.6/12



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

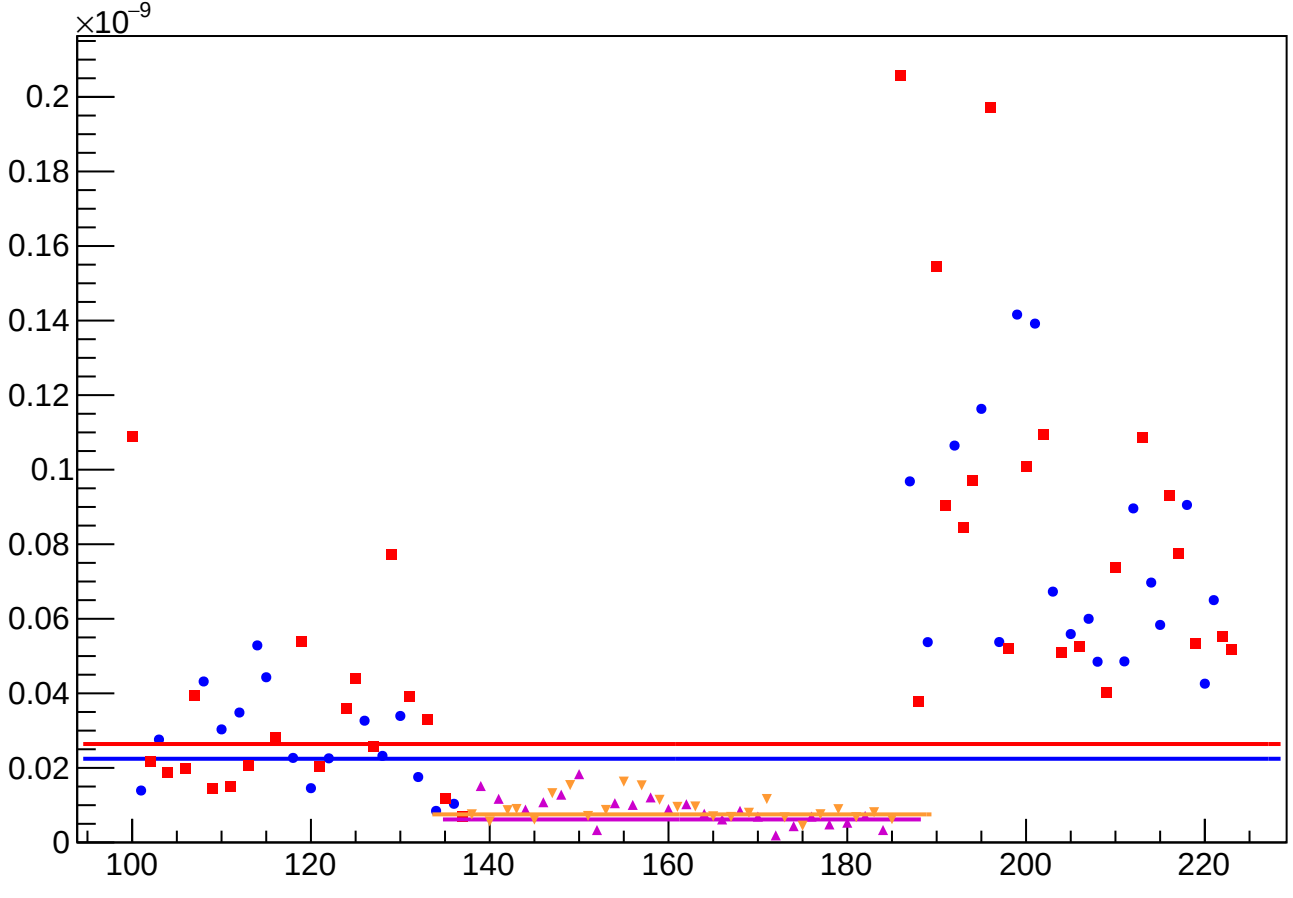
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 86.1/72

In: 0.000+/-0.000 χ^2/NDF:66.9/56

Out: -0.000+/-0.000 χ^2/NDF:56.0/63

All: 0.000+/-0.000 χ^2/NDF: 125.0/120



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

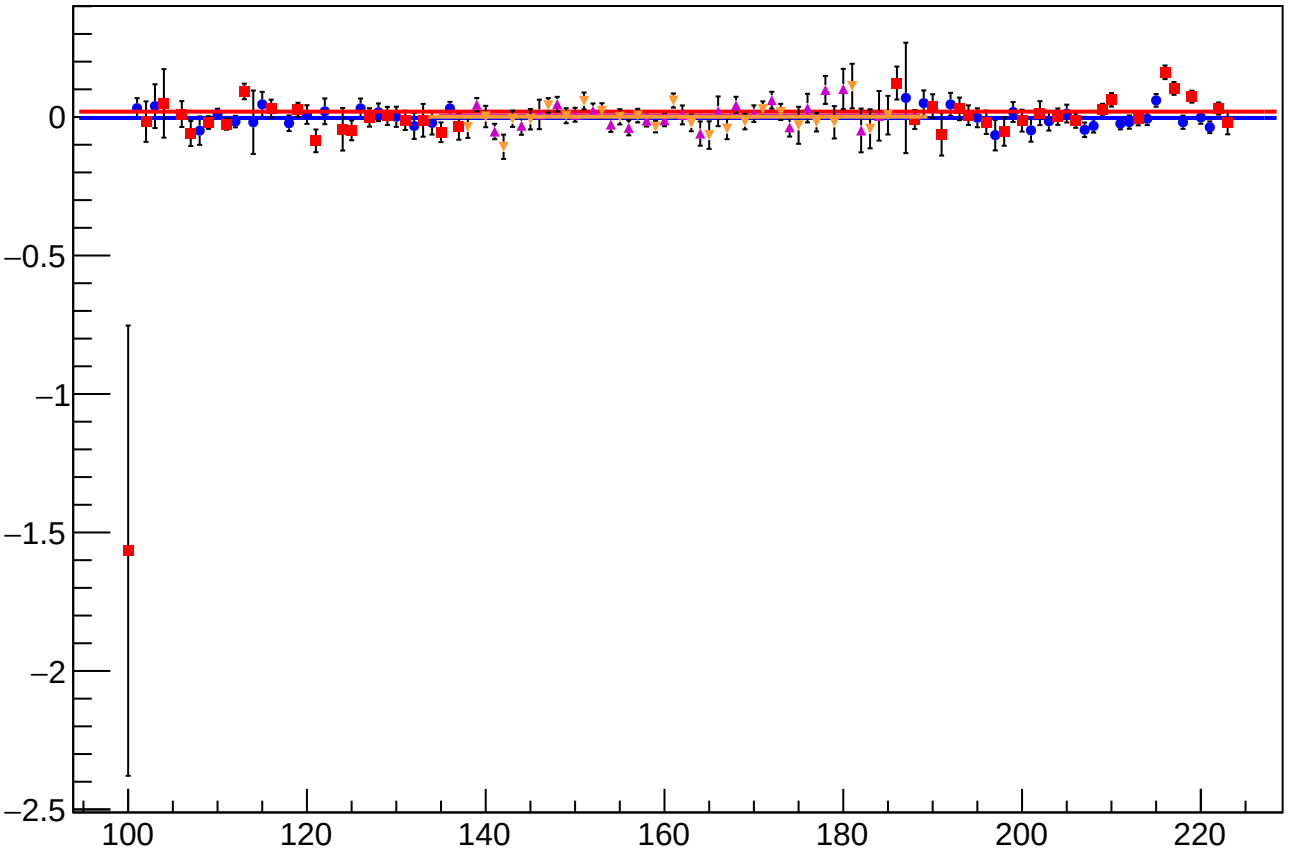
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15181779.5/72

In: 0.000+/-0.000 χ^2/NDF:15361491.5/56

Out: 0.000+/-0.000 χ^2/NDF:13332336.4/63

All: 0.000+/-0.000 χ^2/NDF: 28908959.5/120



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

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

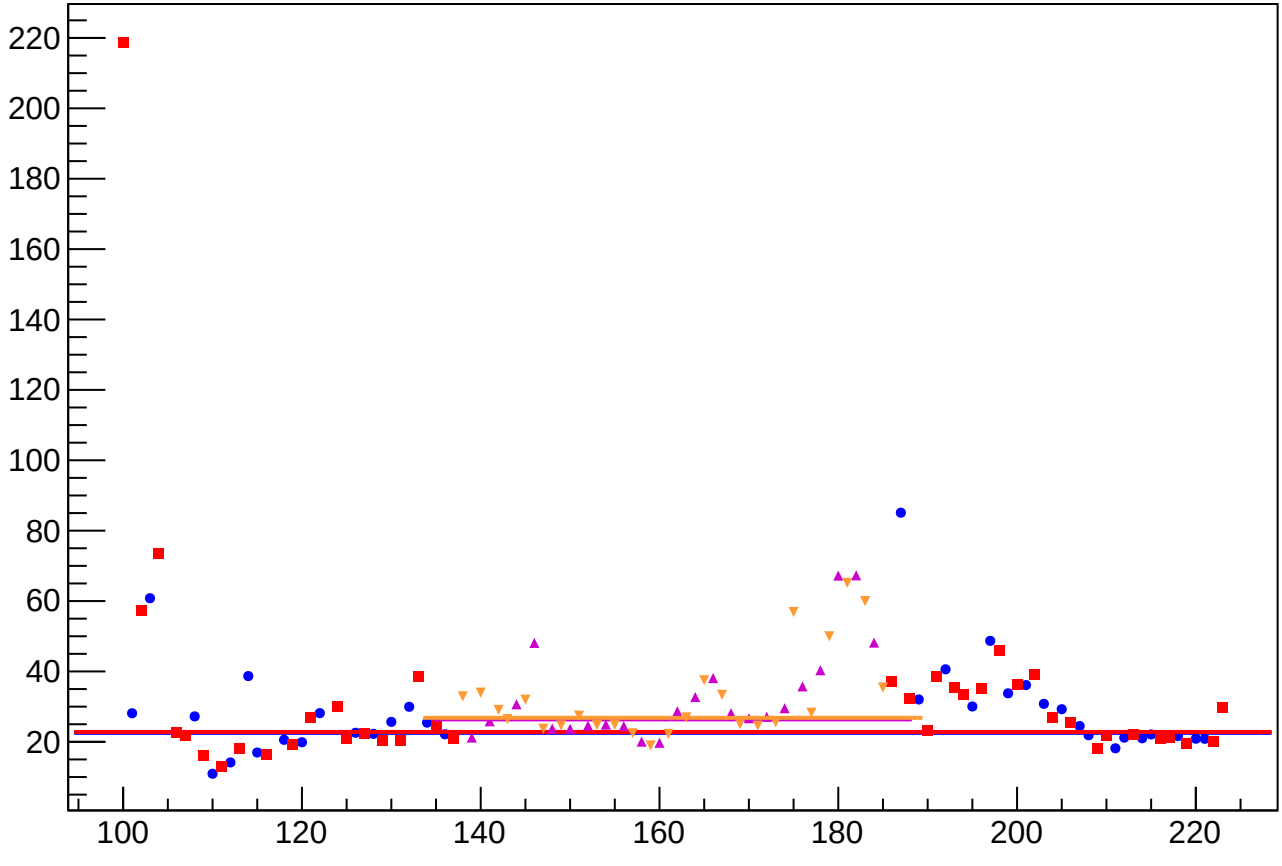
Right: 0.008+/-0.004 χ^2/NDF: 151.0/72

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.012+/-0.004 χ^2/NDF:145.0/63

All: 0.006+/-0.003 χ^2/NDF: 213.4/120

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

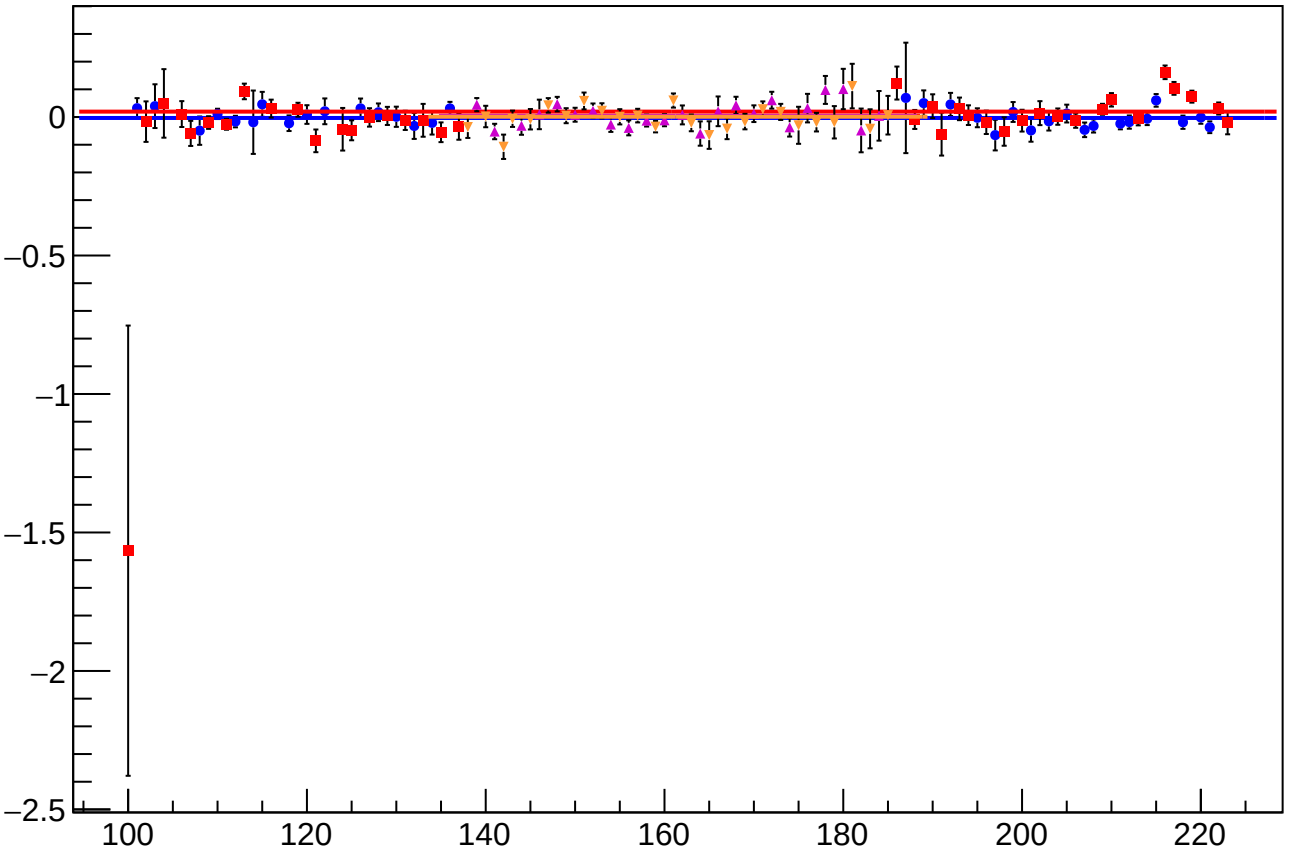
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.684+/-0.003 χ^2/NDF: 7933135.5/72

In: 24.007+/-0.003 χ^2/NDF:6788693.4/56

Out: 24.360+/-0.003 χ^2/NDF:7061157.3/63

All: 24.185+/-0.002 χ^2/NDF: 13857452.3/120



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

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

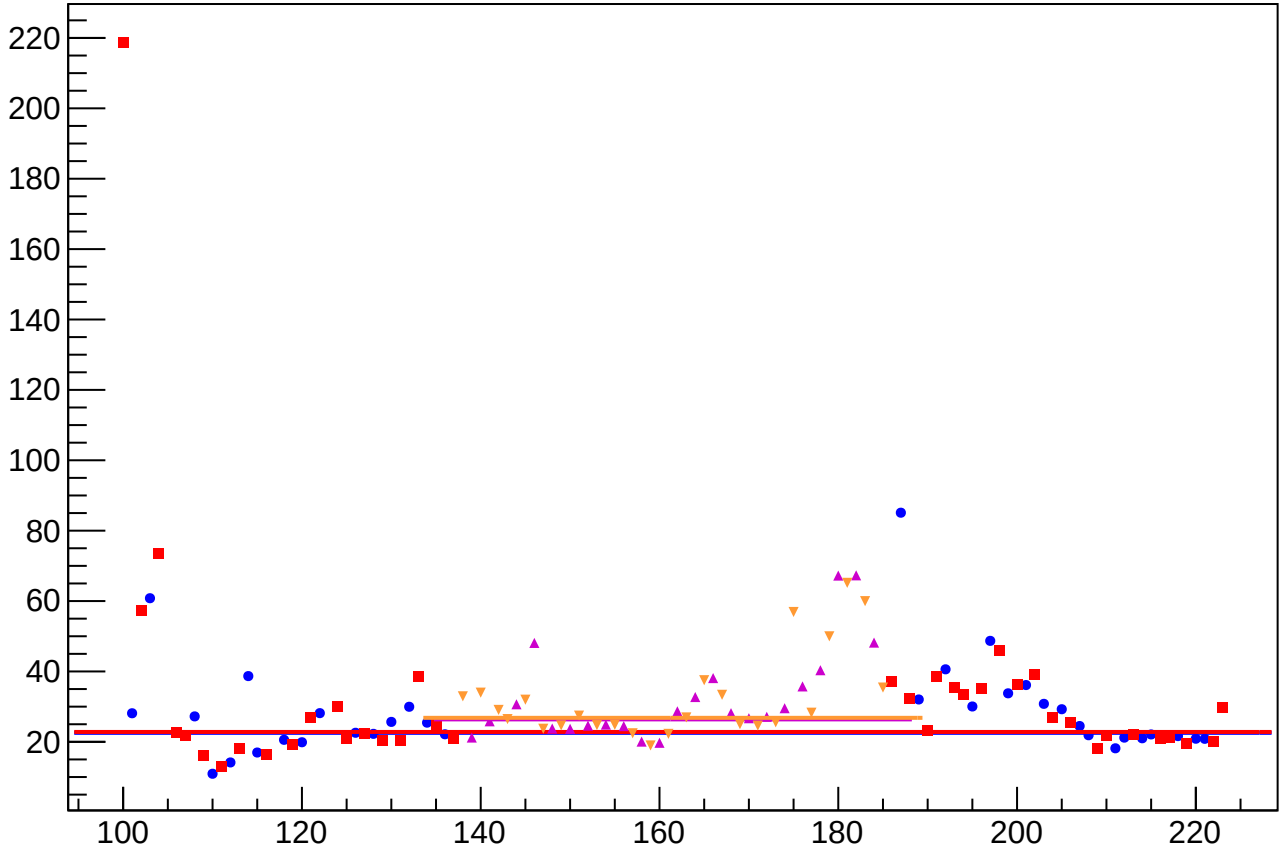
Right: 0.008+/-0.004 χ^2/NDF: 151.0/72

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.012+/-0.004 χ^2/NDF:145.0/63

All: 0.006+/-0.003 χ^2/NDF: 213.4/120

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

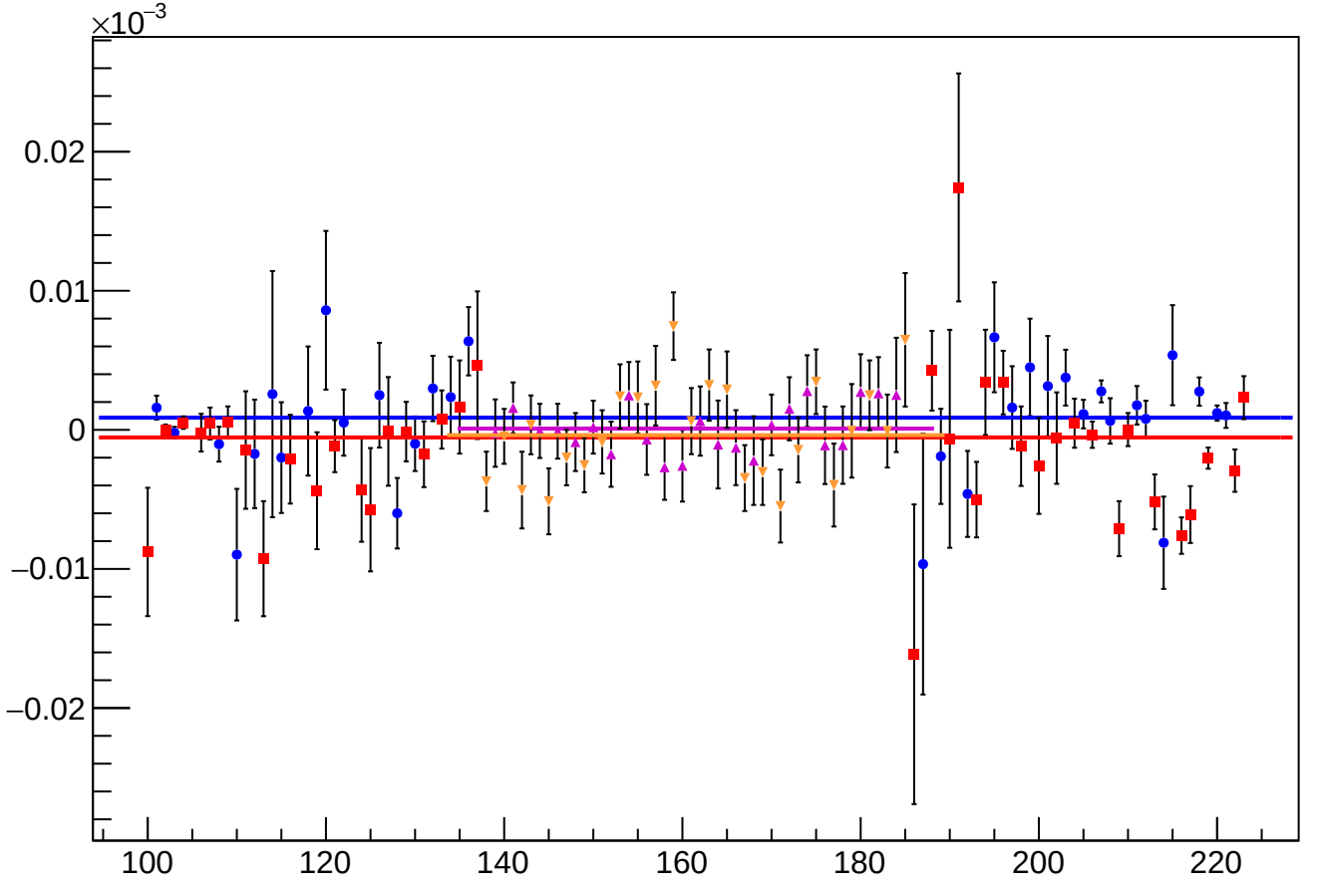
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.684+/-0.003 χ^2/NDF: 7933135.5/72

In: 24.007+/-0.003 χ^2/NDF:6788693.4/56

Out: 24.360+/-0.003 χ^2/NDF:7061157.3/63

All: 24.185+/-0.002 χ^2/NDF: 13857452.3/120



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

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

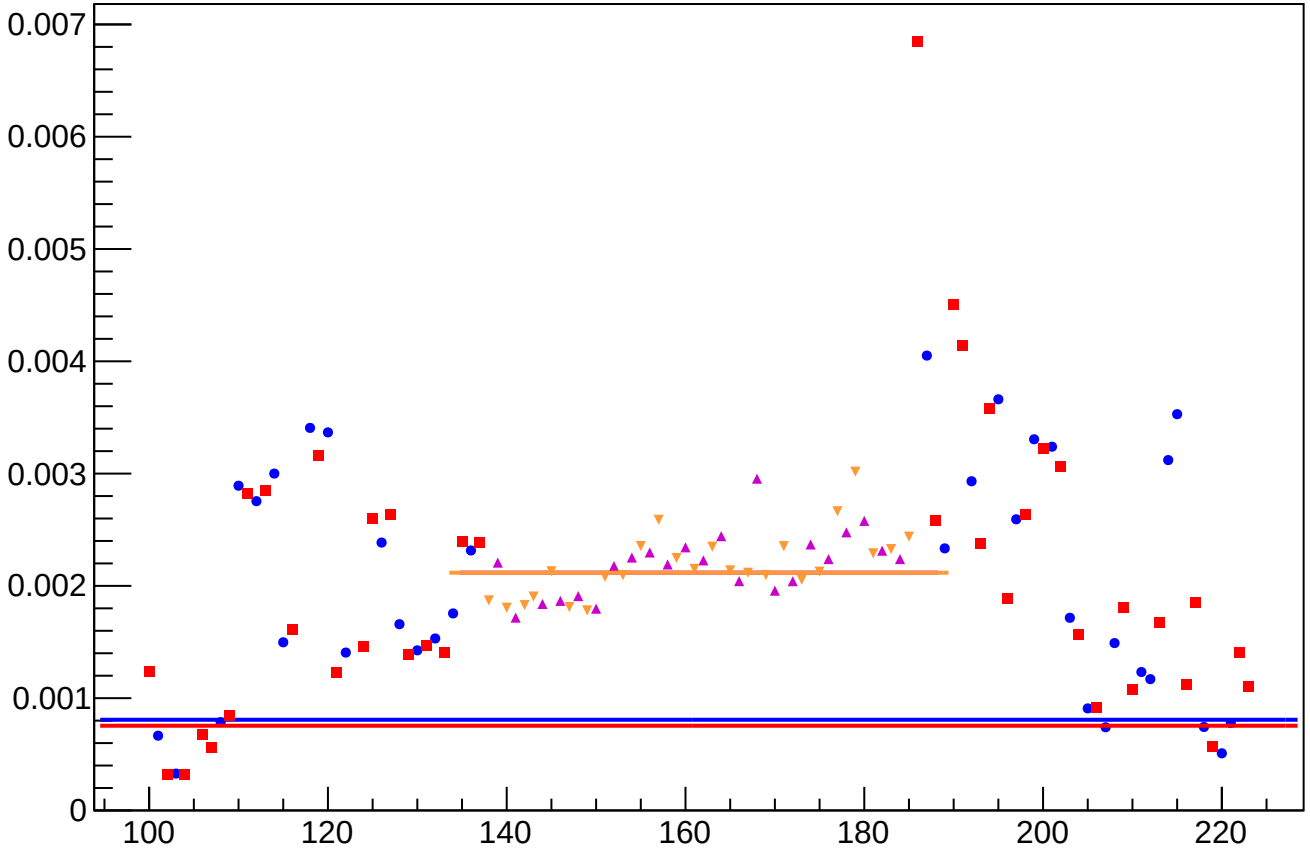
Right: 0.000+/-0.000 χ^2/NDF: 184.4/72

In: 0.000+/-0.000 χ^2/NDF:73.2/56

Out: -0.000+/-0.000 χ^2/NDF:145.7/63

All: 0.000+/-0.000 χ^2/NDF: 238.6/120

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

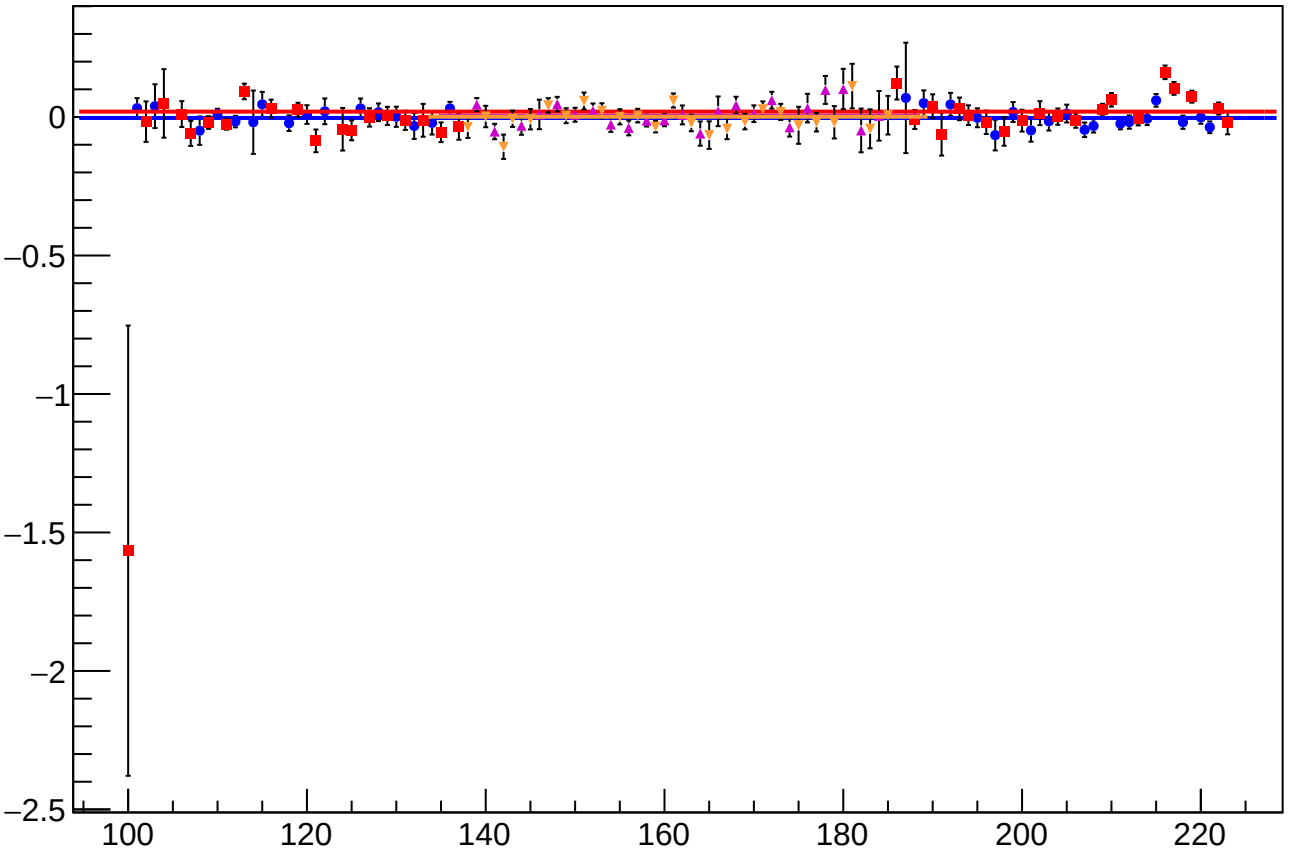
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 34653429.6/72

In: 0.001+/-0.000 χ^2/NDF:27907970.5/56

Out: 0.001+/-0.000 χ^2/NDF:32384852.4/63

All: 0.001+/-0.000 χ^2/NDF: 60363407.0/120



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

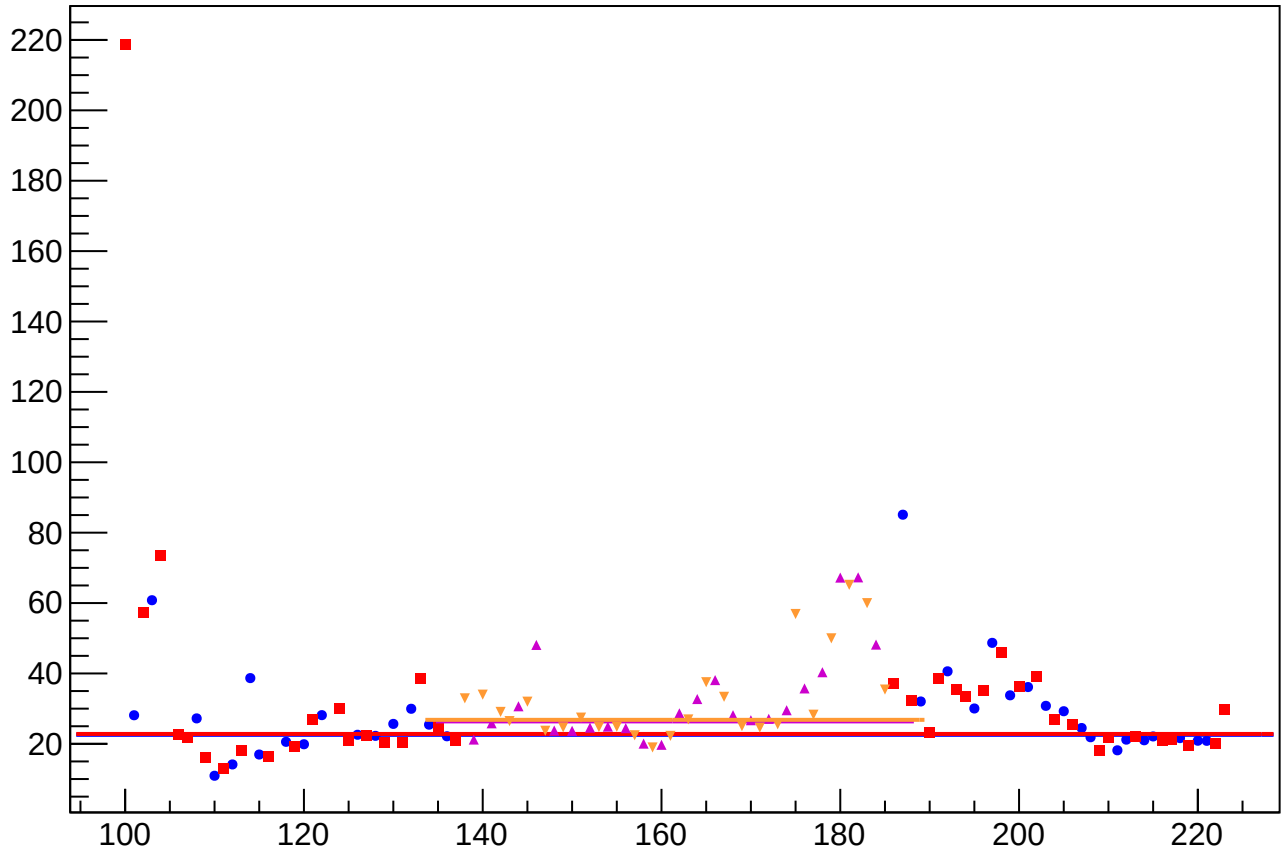
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.008+/-0.004 χ^2/NDF: 151.0/72

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.012+/-0.004 χ^2/NDF:145.0/63

All: 0.006+/-0.003 χ^2/NDF: 213.4/120



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

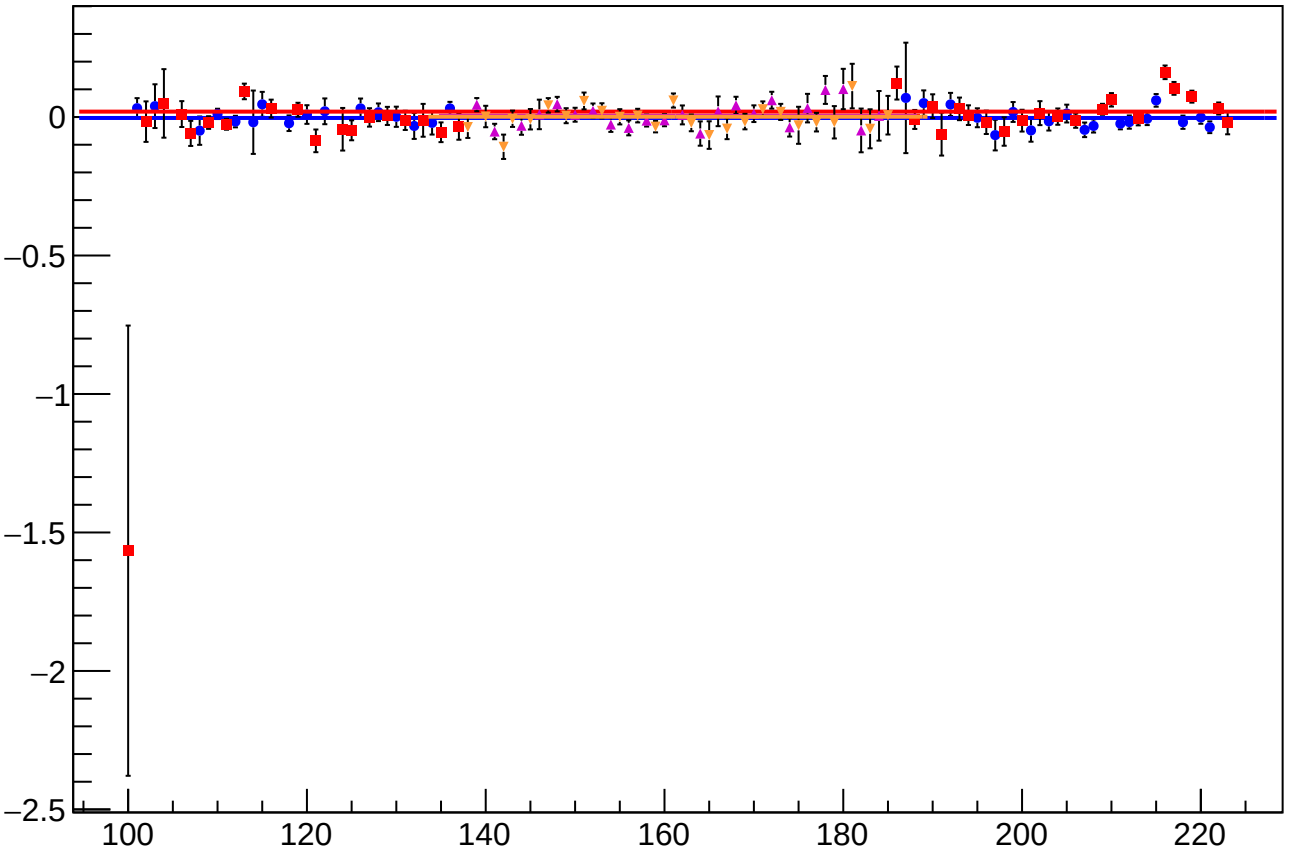
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.684+/-0.003 χ^2/NDF: 7932701.5/72

In: 24.007+/-0.003 χ^2/NDF:6788432.7/56

Out: 24.360+/-0.003 χ^2/NDF:7061036.0/63

All: 24.185+/-0.002 χ^2/NDF: 13857060.0/120



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

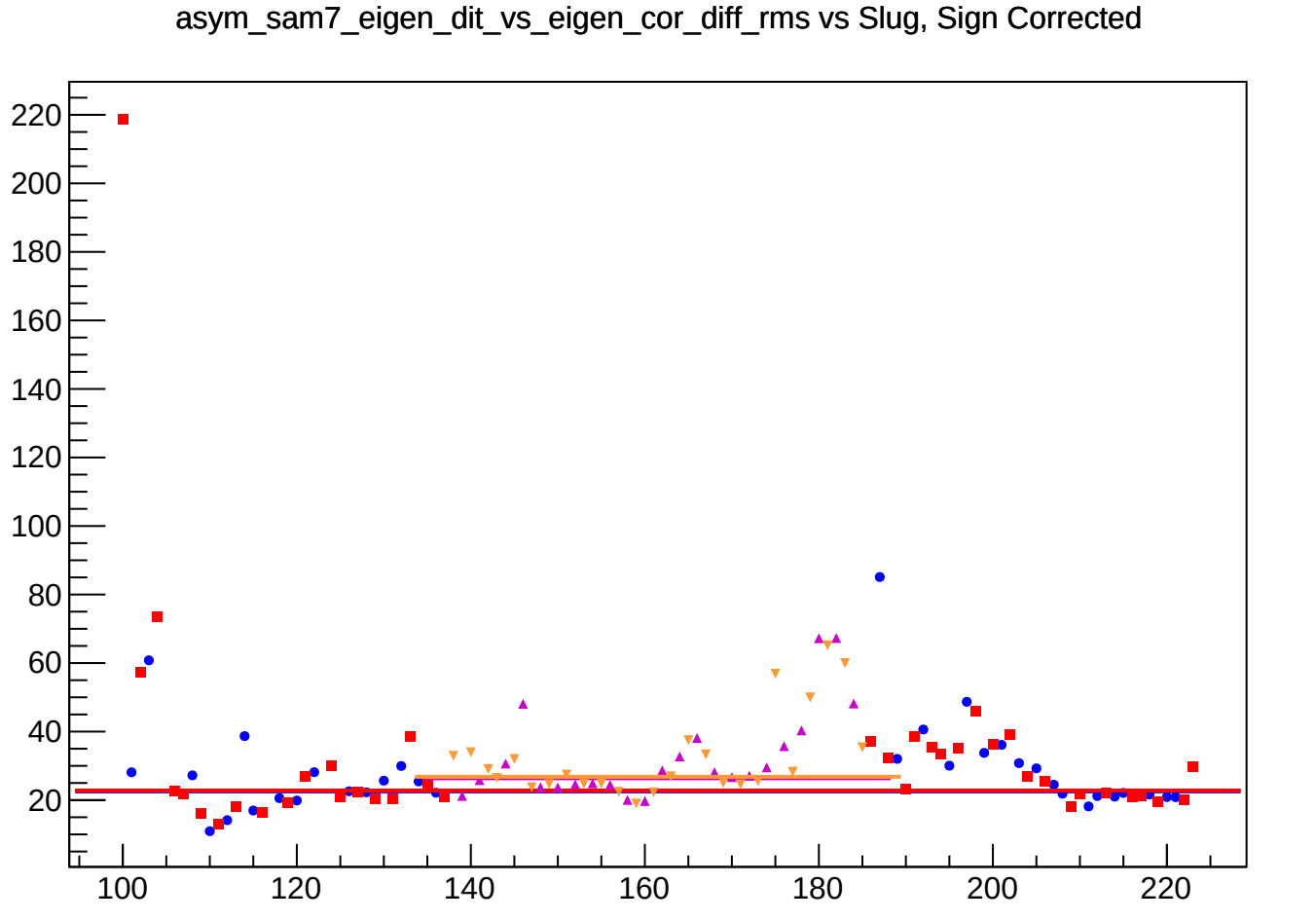
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

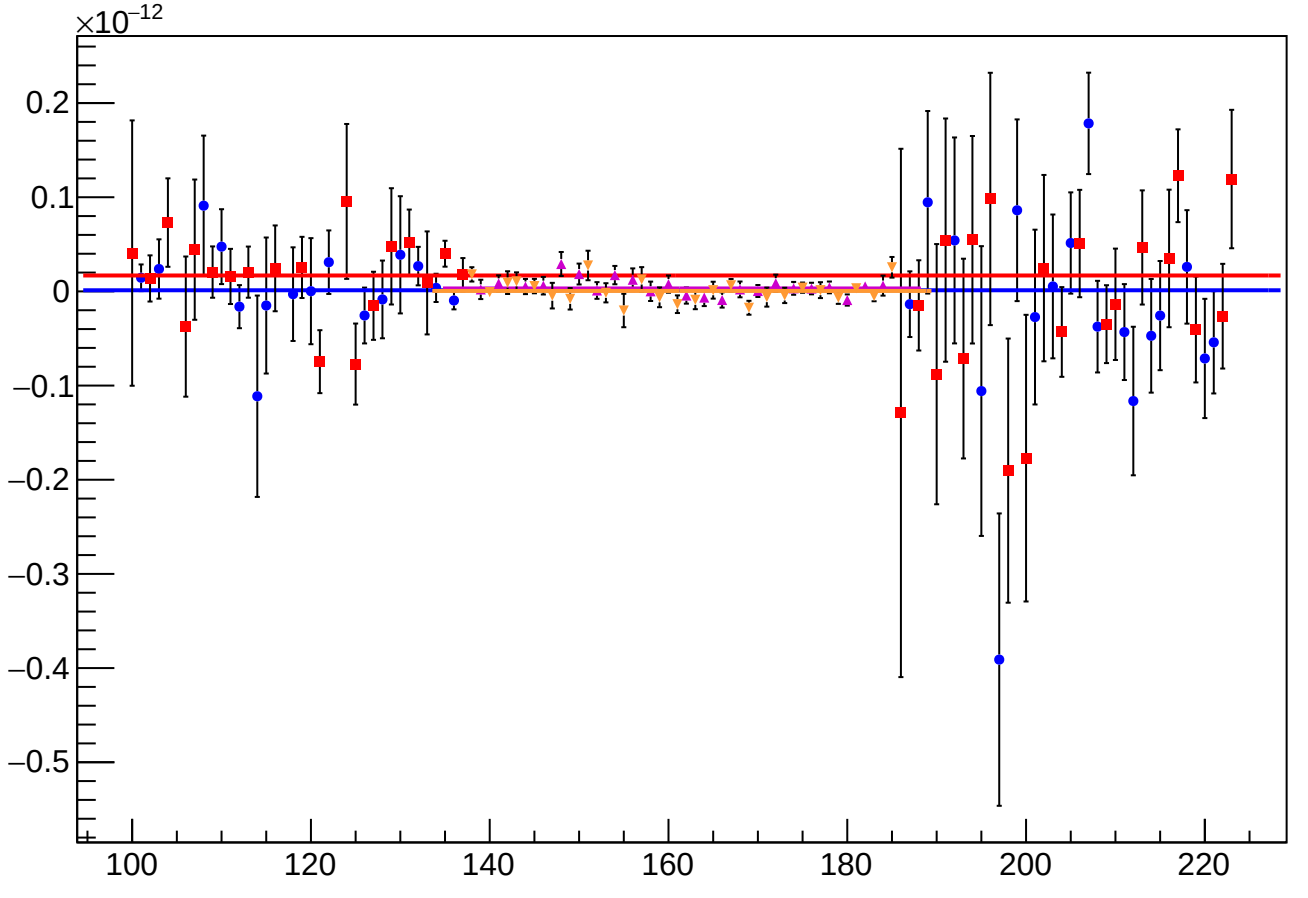
Right: 0.008+/-0.004 χ^2/NDF: 151.0/72

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.012+/-0.004 χ^2/NDF:145.0/63

All: 0.006+/-0.003 χ^2/NDF: 213.4/120


asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
140
120
100
80
60
40
20
100
120
140
160
180
200
220
Right In: 22.559+/-0.004 χ²/NDF: 3807102.2/33
Left Out: 26.820+/-0.005 χ²/NDF:2469855.0/24
Right Out: 22.809+/-0.004 χ²/NDF: 4123247.1/38
Left In: 26.376+/-0.005 χ²/NDF:2566477.5/22
Left: 26.602+/-0.003 χ²/NDF: 5040932.0/47
Right: 22.684+/-0.003 χ²/NDF: 7932701.5/72
In: 24.007+/-0.003 χ²/NDF:6788432.7/56
Out: 24.360+/-0.003 χ²/NDF:7061036.0/63
All: 24.185+/-0.002 χ²/NDF: 13857060.0/120



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

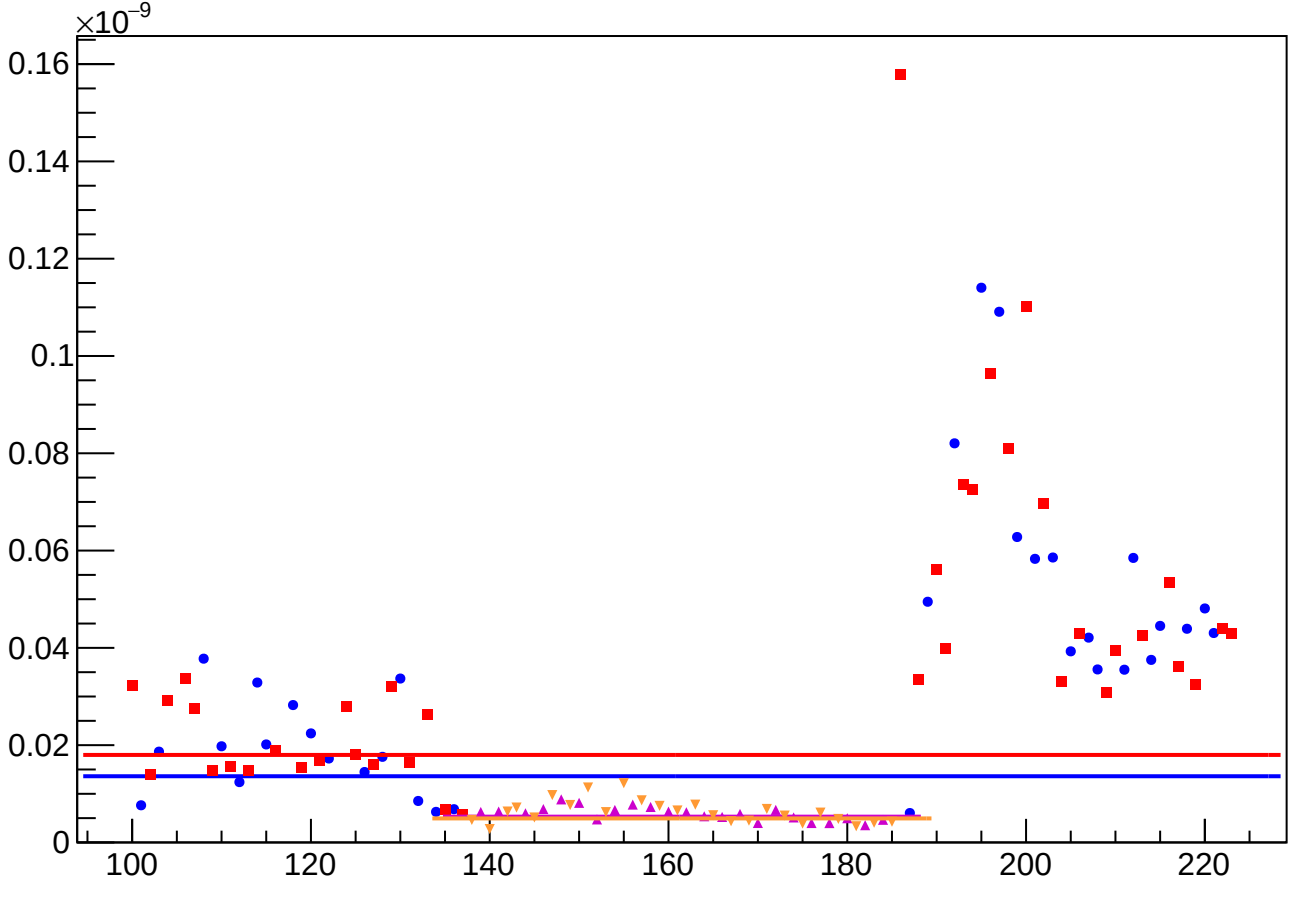
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 81.2/72

In: 0.000+/-0.000 χ^2/NDF:57.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.8/63

All: 0.000+/-0.000 χ^2/NDF: 136.1/120



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

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

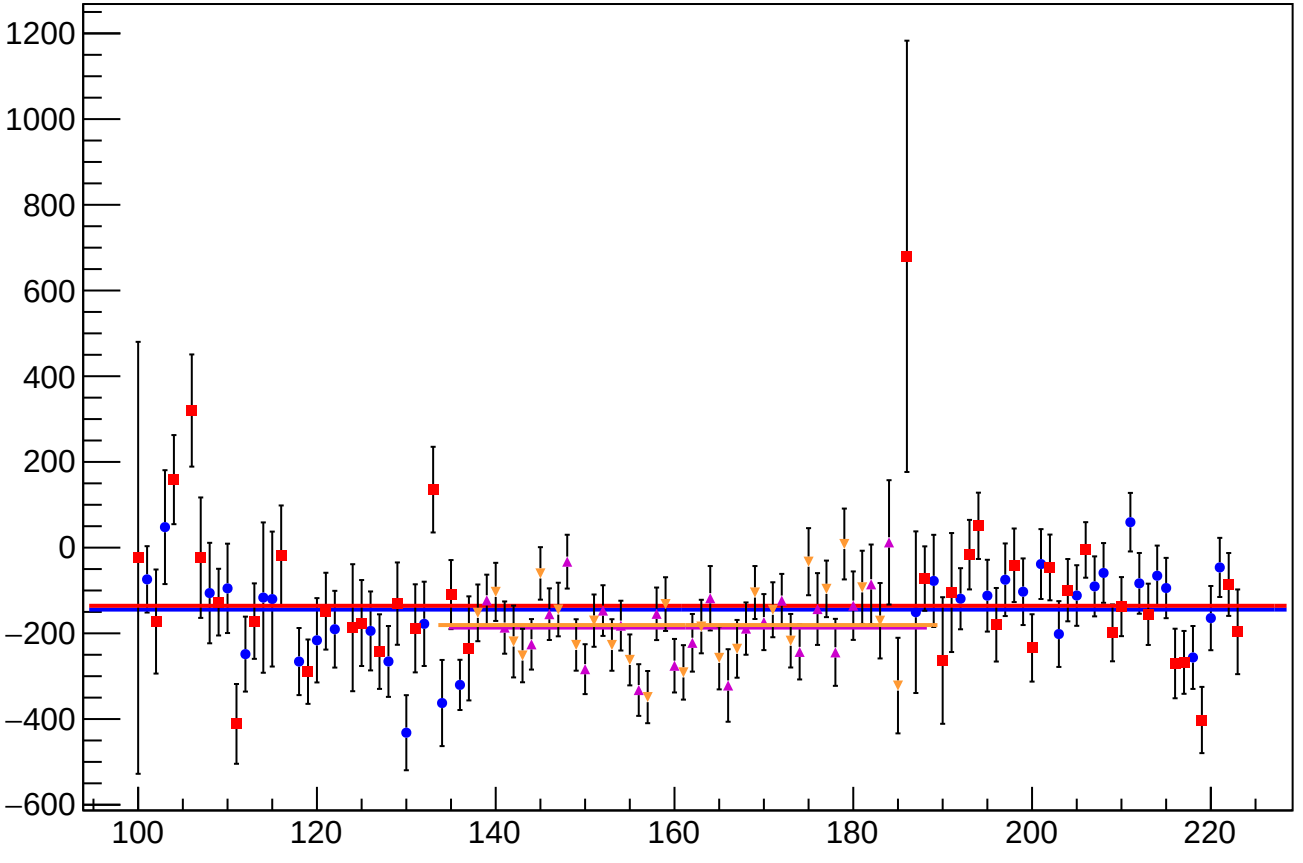
Right: 0.000+/-0.000 χ^2/NDF: 22981830.2/72

In: 0.000+/-0.000 χ^2/NDF:17979962.4/56

Out: 0.000+/-0.000 χ^2/NDF:20705708.0/63

All: 0.000+/-0.000 χ^2/NDF: 38741226.4/120

reg_asym_sam8_mean vs Slug, Sign Corrected



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

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

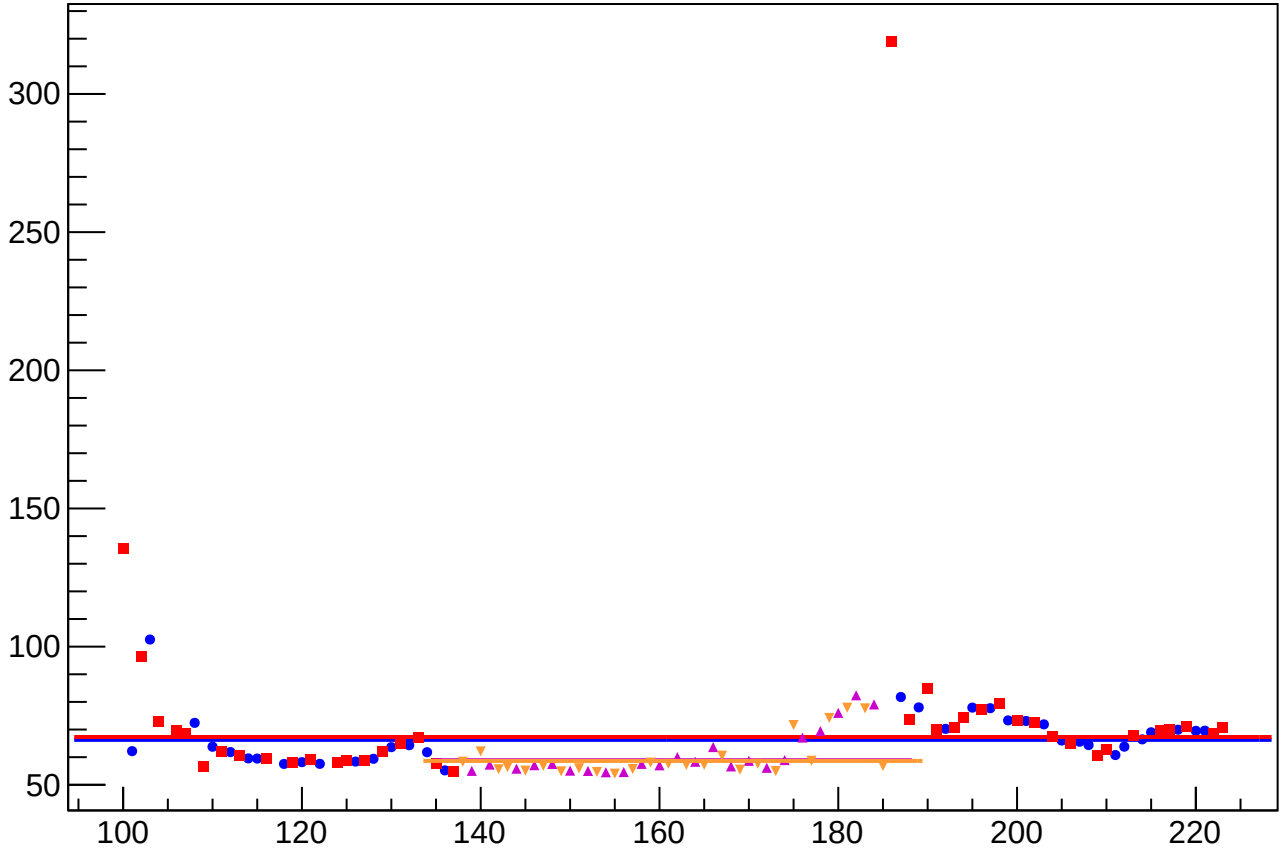
Right: -140.162+/-10.069 χ^2/NDF: 142.9/72

In: -166.108+/-9.923 χ^2/NDF:90.4/56

Out: -159.566+/-9.774 χ^2/NDF:129.7/63

All: -162.788+/-6.963 χ^2/NDF: 220.3/120

reg_asym_sam8_rms vs Slug, Sign Corrected



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

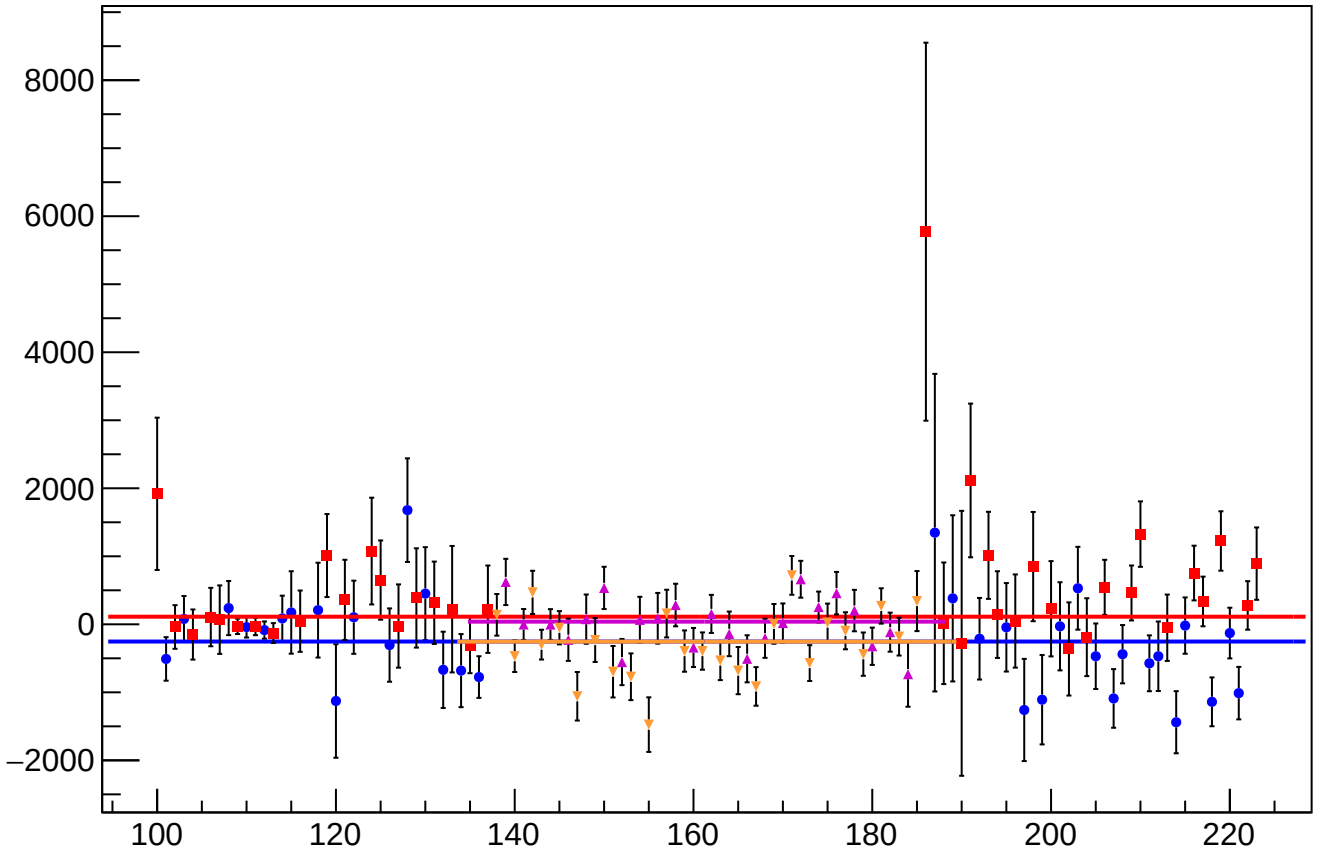
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.781+/-0.007 χ^2/NDF: 1596692.7/72

In: 62.494+/-0.007 χ^2/NDF:1191763.7/56

Out: 62.706+/-0.007 χ^2/NDF:1845906.3/63

All: 62.602+/-0.005 χ^2/NDF: 3038132.3/120



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

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

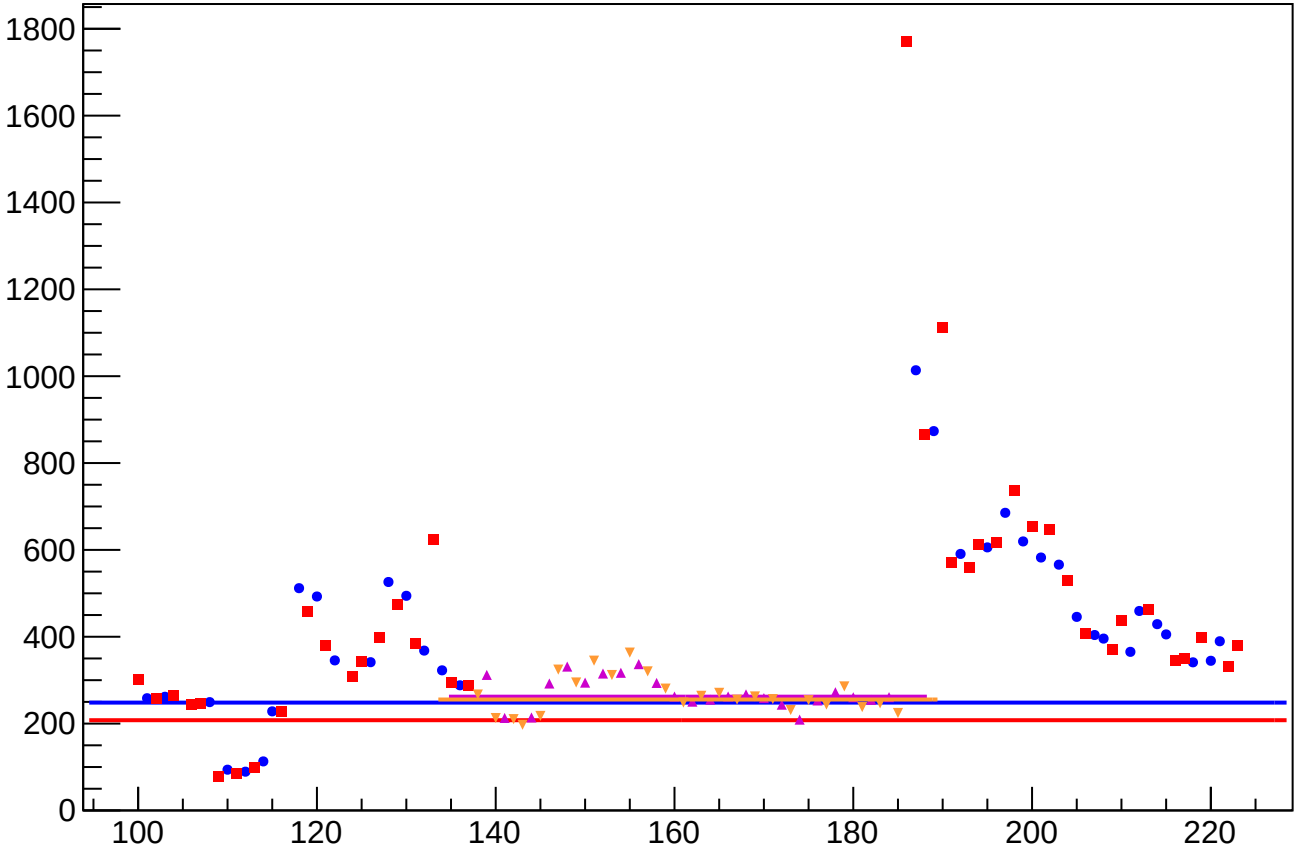
Right: -48.033+/-42.314 χ^2/NDF: 114.5/72

In: -102.289+/-44.470 χ^2/NDF:89.2/56

Out: -63.633+/-40.742 χ^2/NDF:123.9/63

All: -81.272+/-30.040 χ^2/NDF: 213.6/120

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



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

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

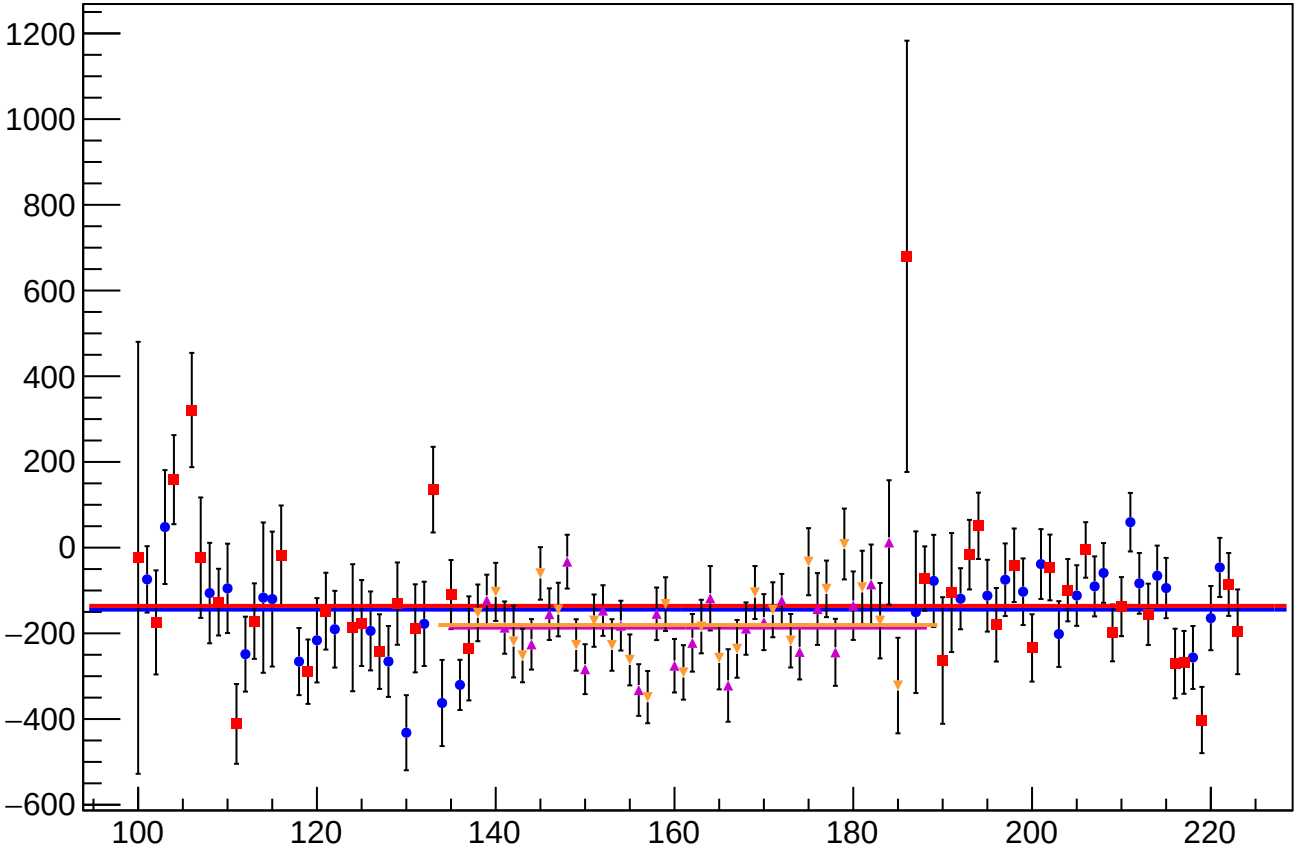
Right: 225.567+/-0.030 χ^2/NDF: 32278555.7/72

In: 255.407+/-0.031 χ^2/NDF:14323779.7/56

Out: 230.635+/-0.029 χ^2/NDF:19767187.1/63

All: 241.939+/-0.021 χ^2/NDF: 34428360.9/12

cor_asym_sam8_mean vs Slug, Sign Corrected



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

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

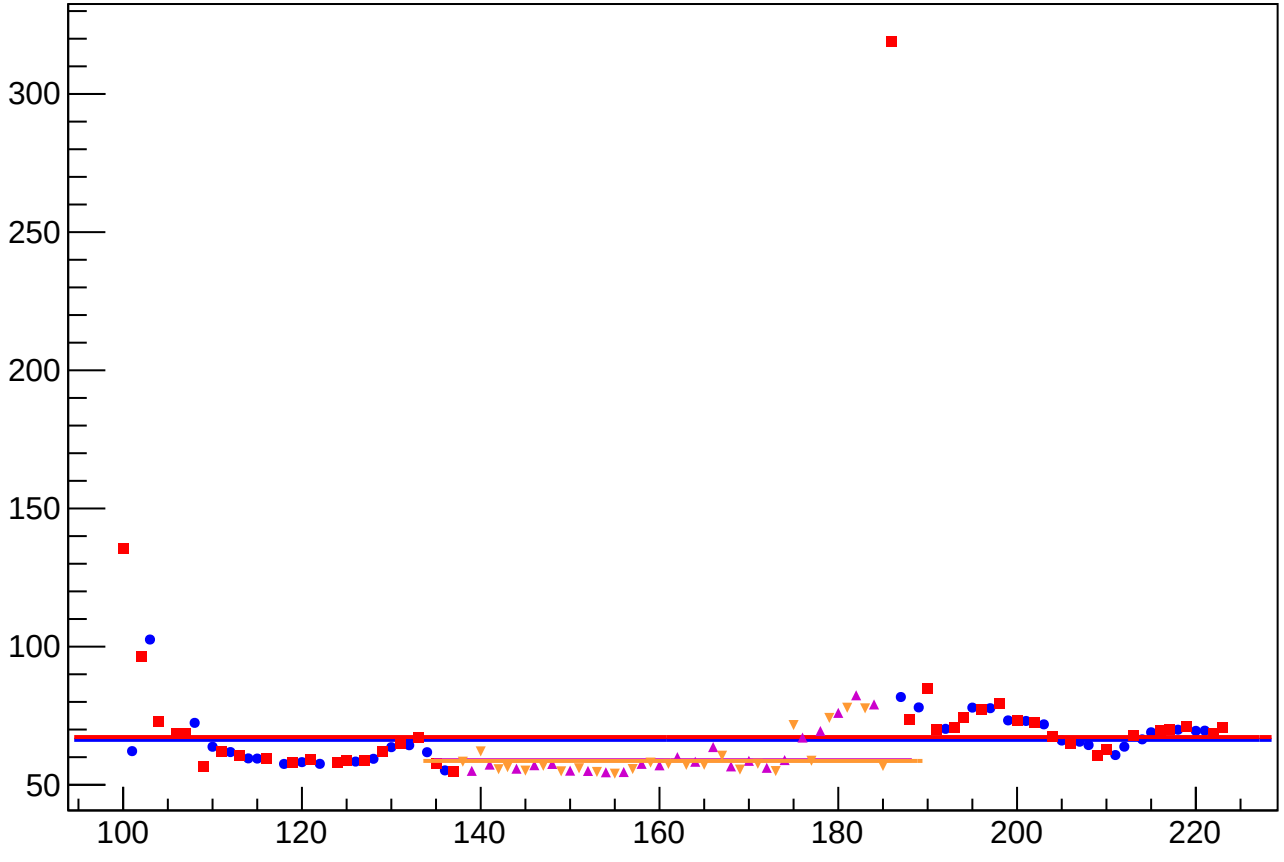
Right: -140.268+/-10.070 χ^2/NDF: 142.6/72

In: -166.109+/-9.923 χ^2/NDF:90.4/56

Out: -159.667+/-9.775 χ^2/NDF:129.3/63

All: -162.840+/-6.964 χ^2/NDF: 219.9/120

cor_asym_sam8_rms vs Slug, Sign Corrected



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

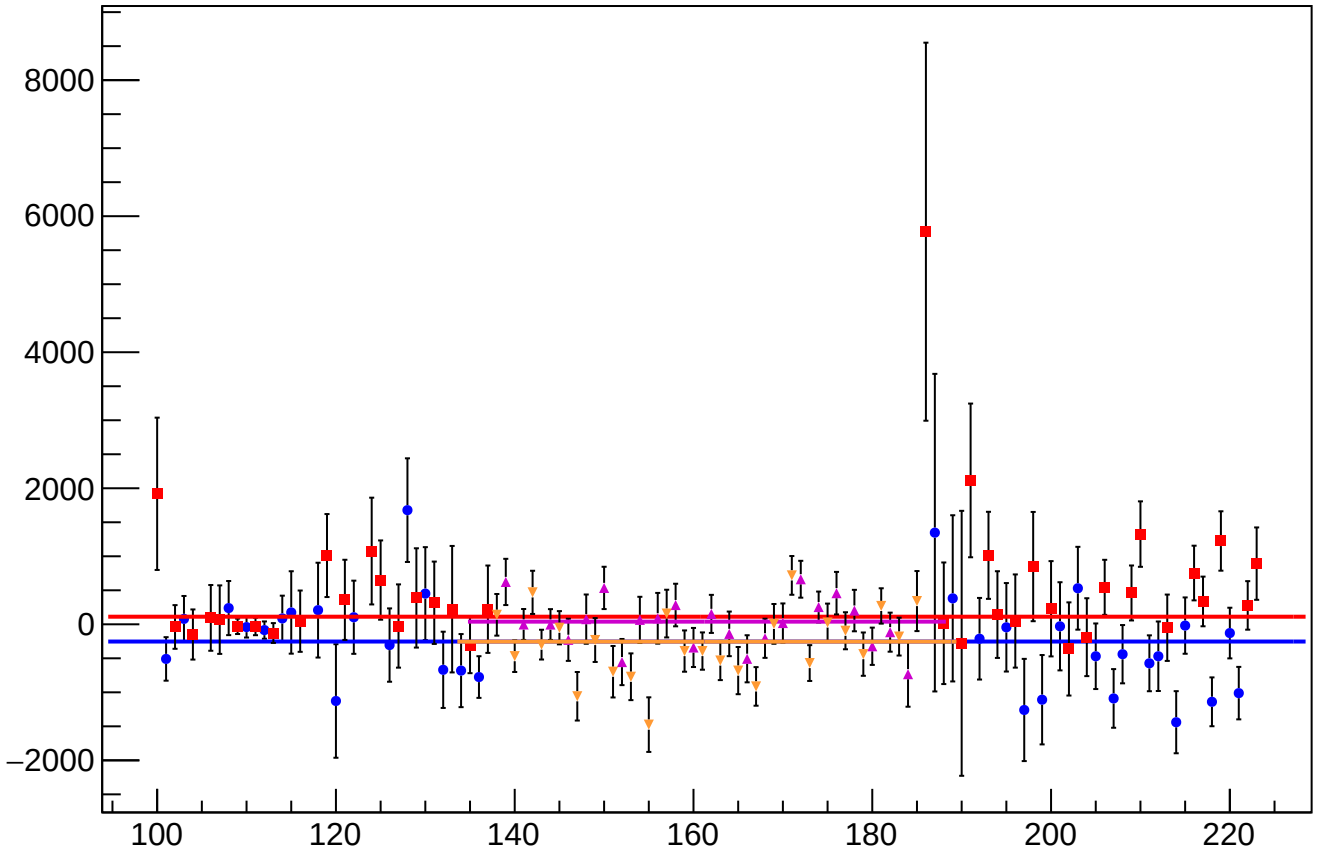
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.774+/-0.007 χ^2/NDF: 1596259.2/72

In: 62.494+/-0.007 χ^2/NDF:1191766.3/56

Out: 62.699+/-0.007 χ^2/NDF:1844246.0/63

All: 62.598+/-0.005 χ^2/NDF: 3036441.9/120



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

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

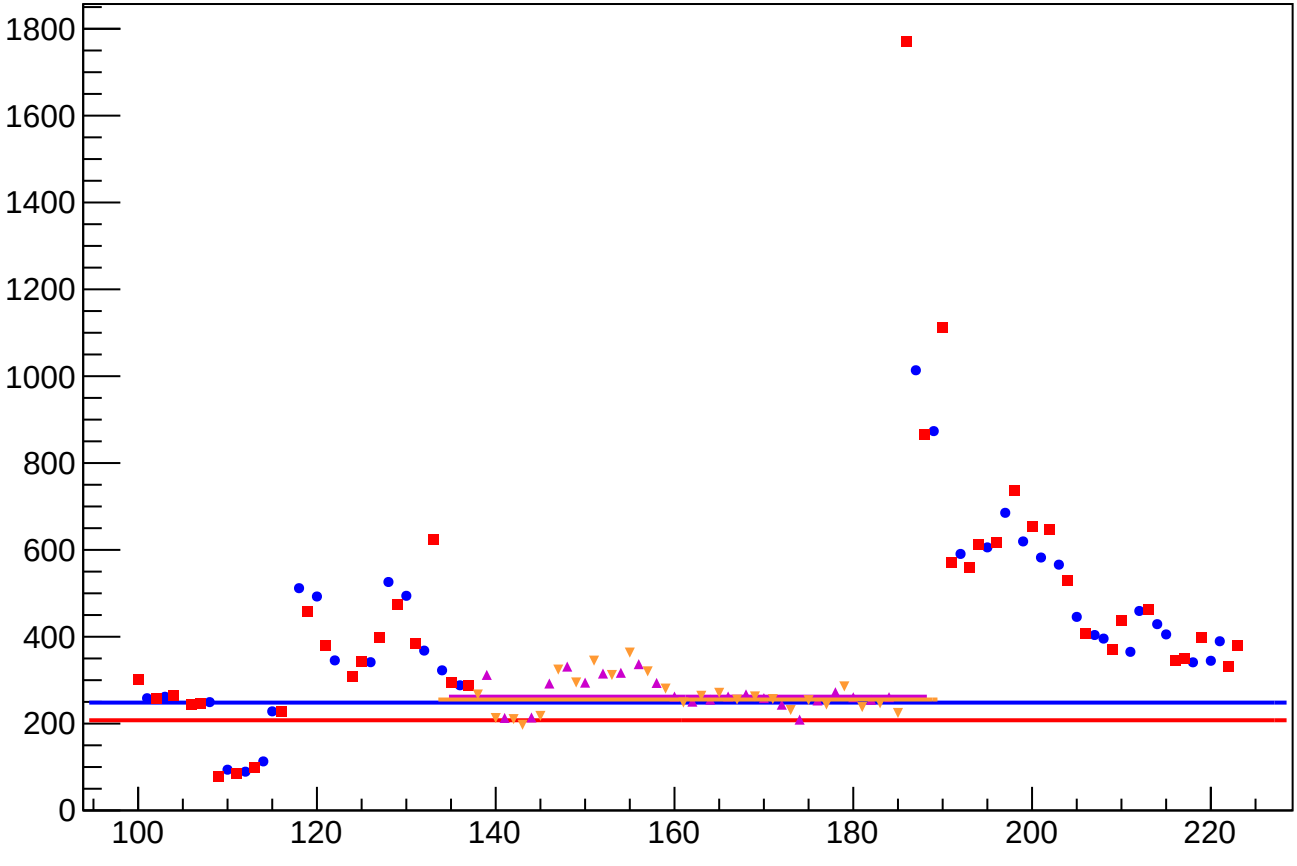
Right: -48.434+/-42.358 χ^2/NDF: 114.5/72

In: -102.285+/-44.470 χ^2/NDF:89.2/56

Out: -64.037+/-40.781 χ^2/NDF:123.9/63

All: -81.509+/-30.056 χ^2/NDF: 213.5/120

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



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

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

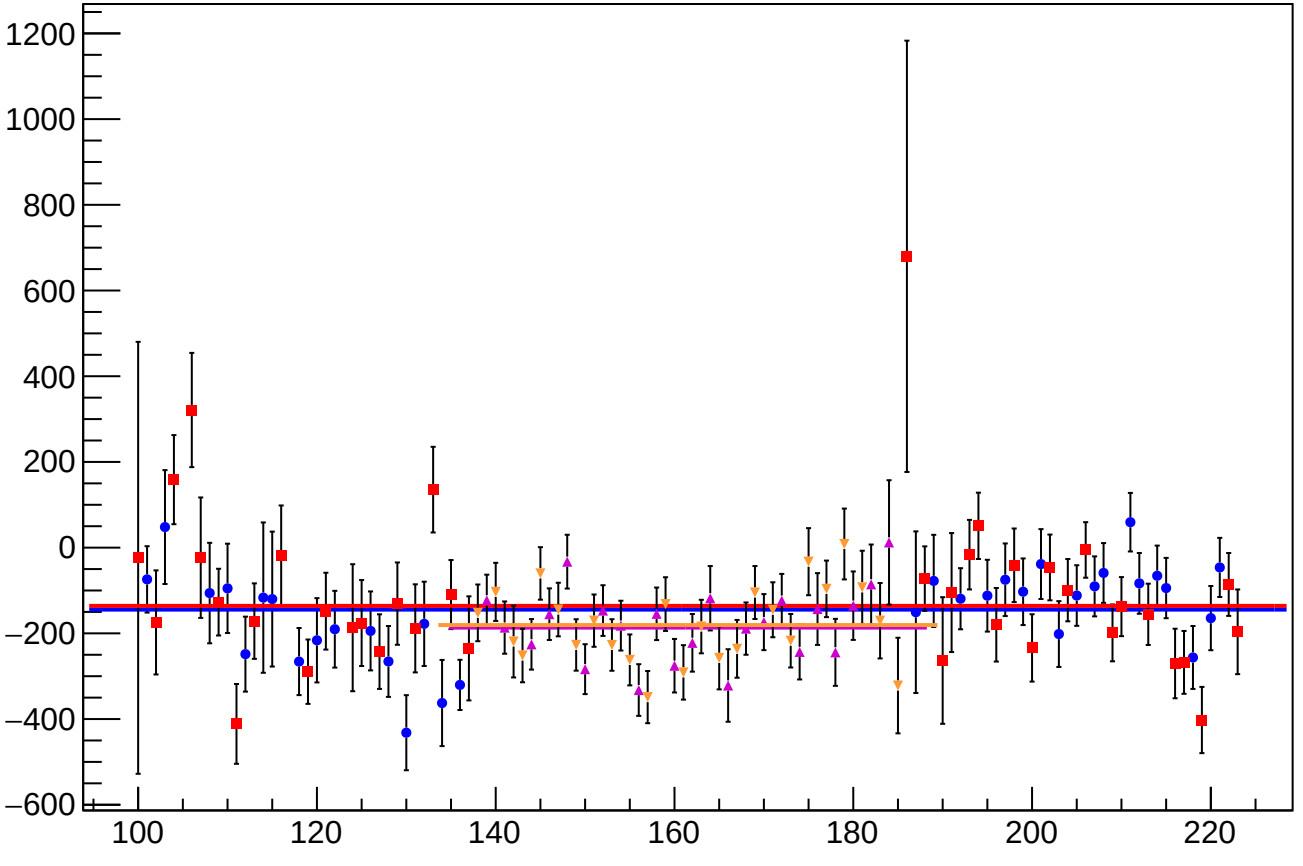
Right: 225.533+/-0.030 χ^2/NDF: 32278340.3/72

In: 255.407+/-0.031 χ^2/NDF:14323789.5/56

Out: 230.613+/-0.029 χ^2/NDF:19767266.9/63

All: 241.939+/-0.021 χ^2/NDF: 34428771.2/12

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



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

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

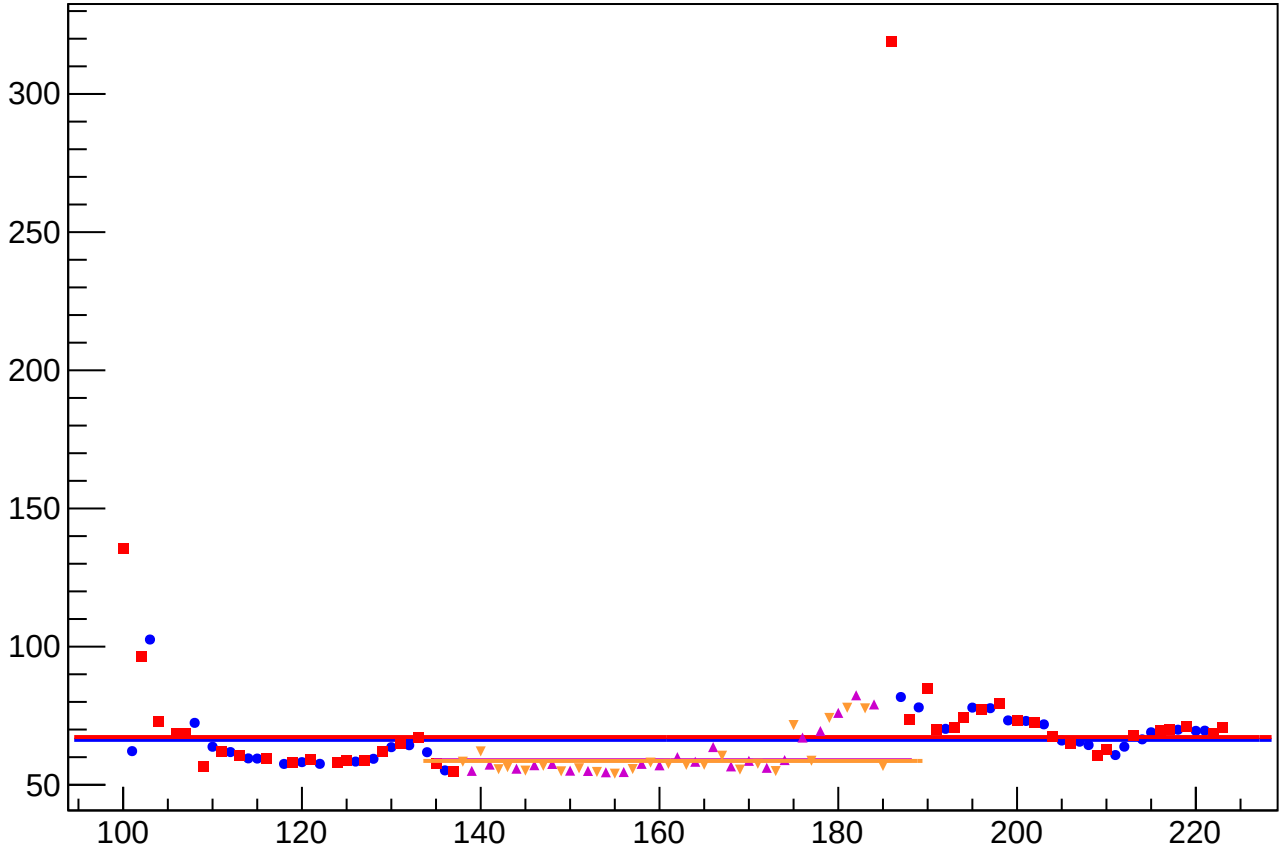
Right: -140.268+/-10.070 χ^2/NDF: 142.6/72

In: -166.109+/-9.923 χ^2/NDF:90.4/56

Out: -159.667+/-9.775 χ^2/NDF:129.3/63

All: -162.840+/-6.964 χ^2/NDF: 219.9/120

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



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

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

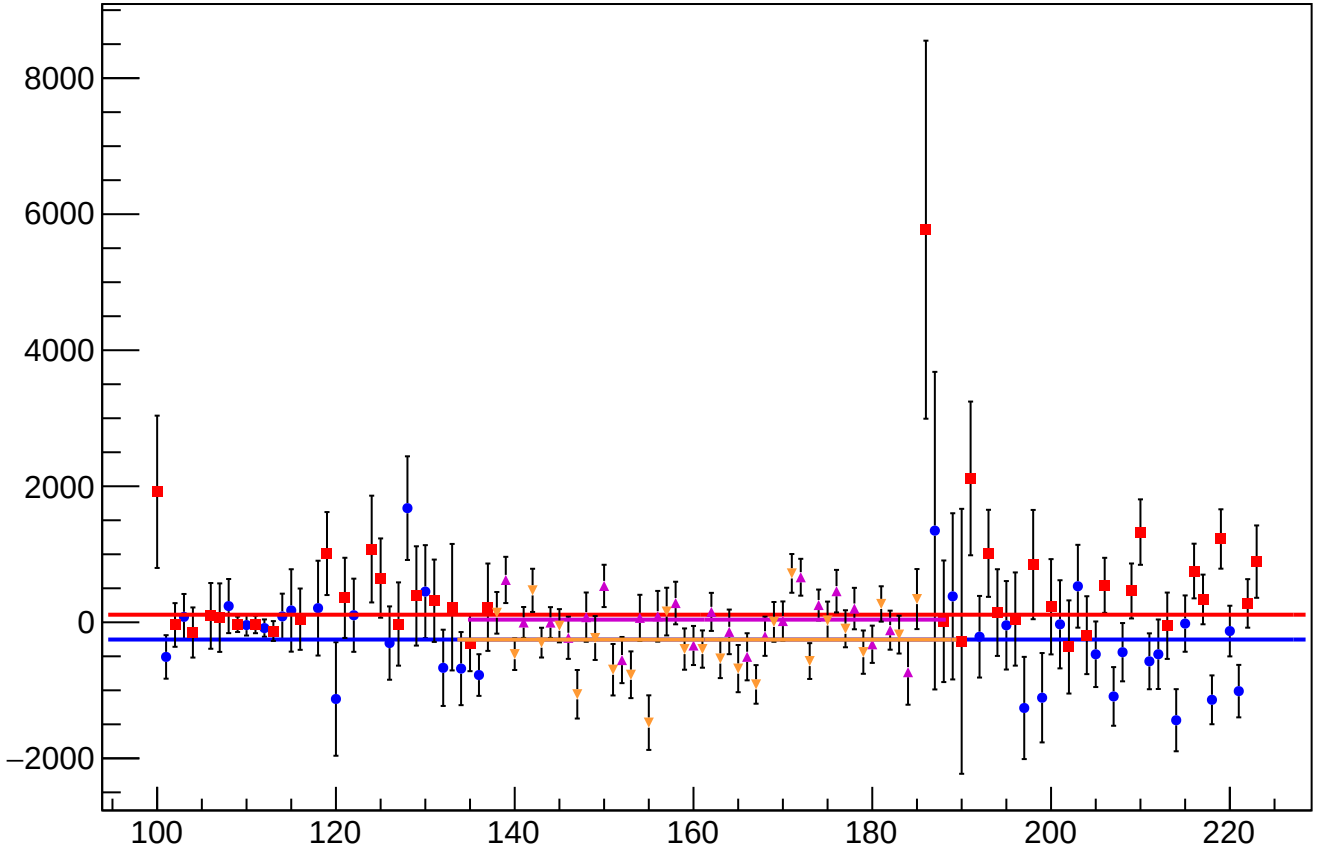
Right: 66.774+/-0.007 χ^2/NDF: 1596259.2/72

In: 62.494+/-0.007 χ^2/NDF:1191766.3/56

Out: 62.699+/-0.007 χ^2/NDF:1844246.0/63

All: 62.598+/-0.005 χ^2/NDF: 3036441.9/120

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



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

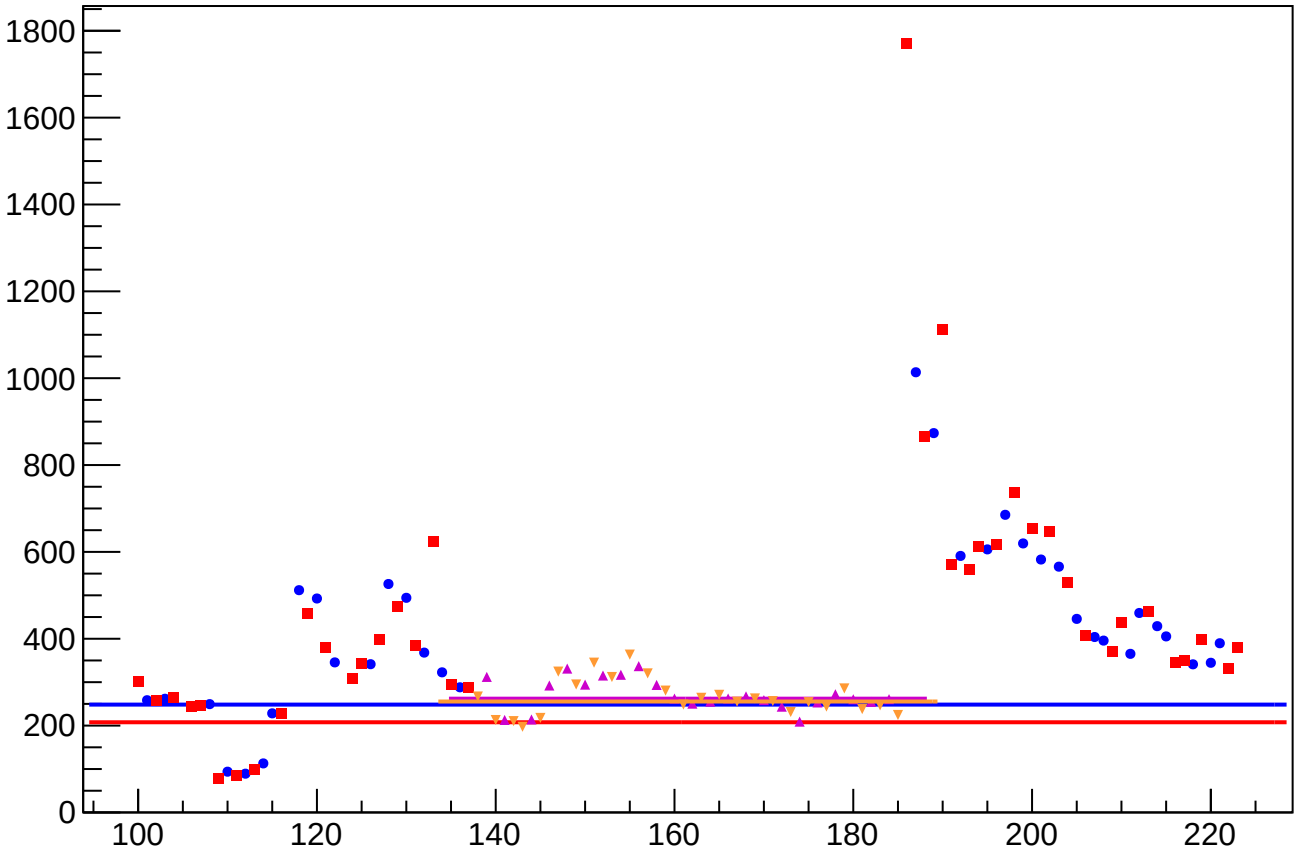
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -48.434+/-42.358 χ^2/NDF: 114.5/72

In: -102.285+/-44.470 χ^2/NDF:89.2/56

Out: -64.037+/-40.781 χ^2/NDF:123.9/63

All: -81.509+/-30.056 χ^2/NDF: 213.5/120



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

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

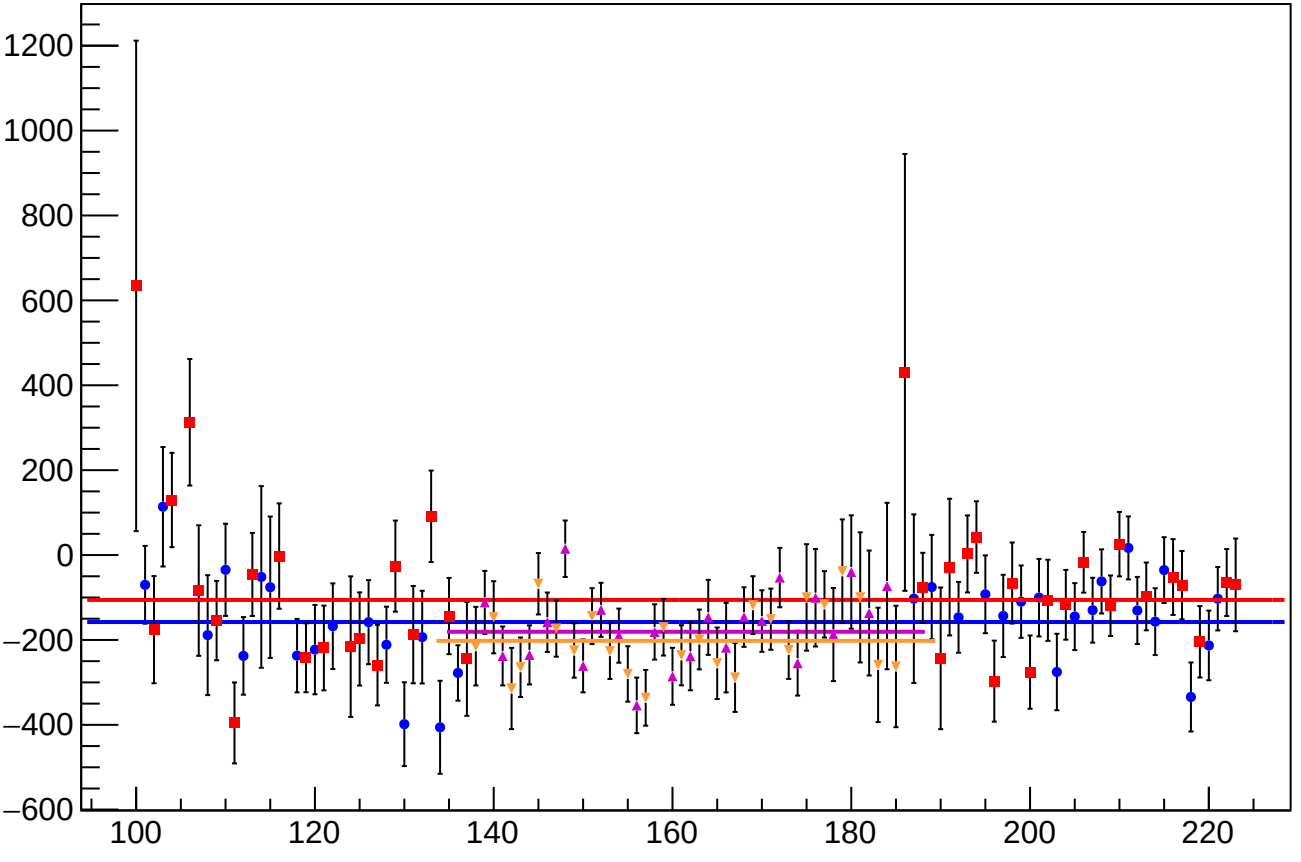
Right: 225.533+/-0.030 χ^2/NDF: 32278340.3/72

In: 255.407+/-0.031 χ^2/NDF:14323789.5/56

Out: 230.613+/-0.029 χ^2/NDF:19767266.9/63

All: 241.939+/-0.021 χ^2/NDF: 34428771.2/12

dit_asym_sam8_mean vs Slug, Sign Corrected



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

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

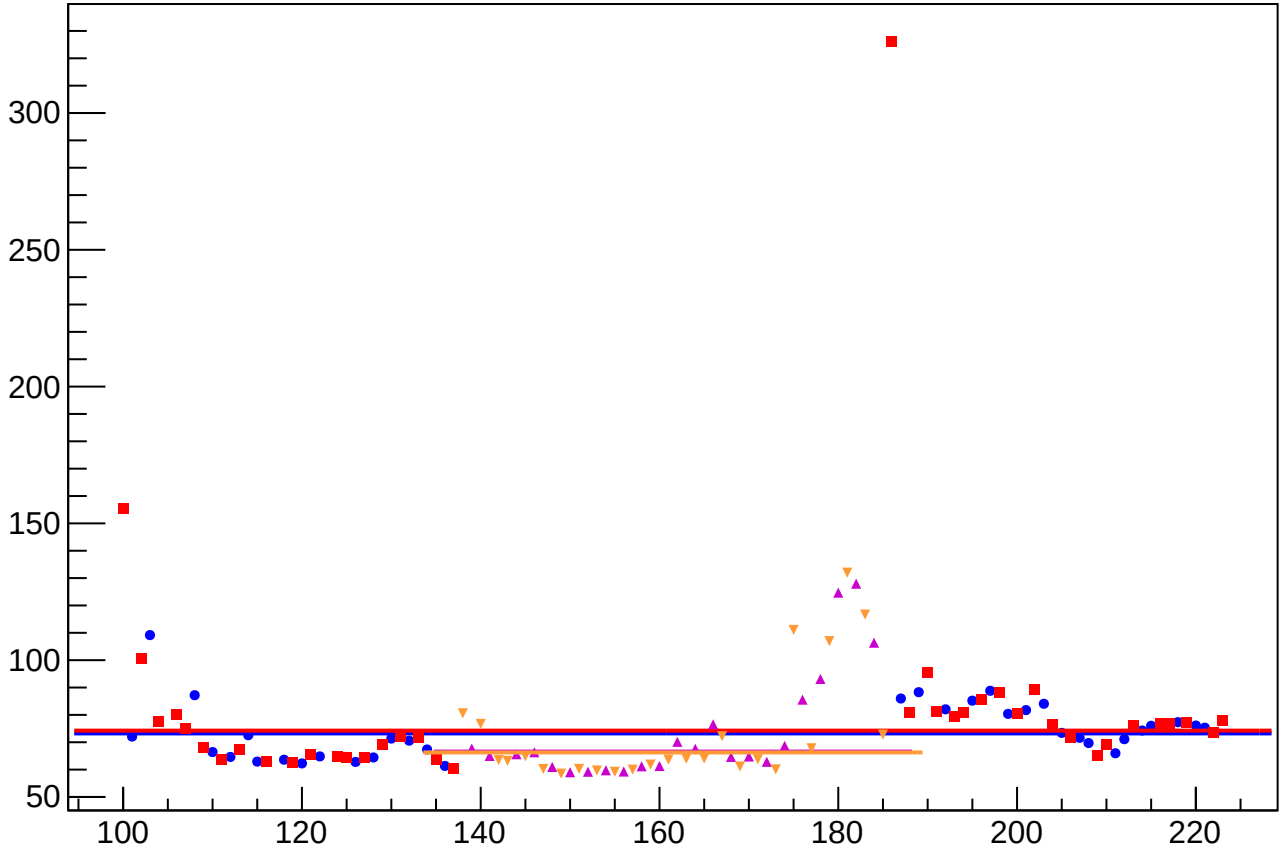
Right: -131.755+/-11.139 χ^2/NDF: 108.0/72

In: -169.077+/-11.229 χ^2/NDF:73.7/56

Out: -154.578+/-11.065 χ^2/NDF:100.5/63

All: -161.720+/-7.881 χ^2/NDF: 175.1/120

dit_asym_sam8_rms vs Slug, Sign Corrected



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

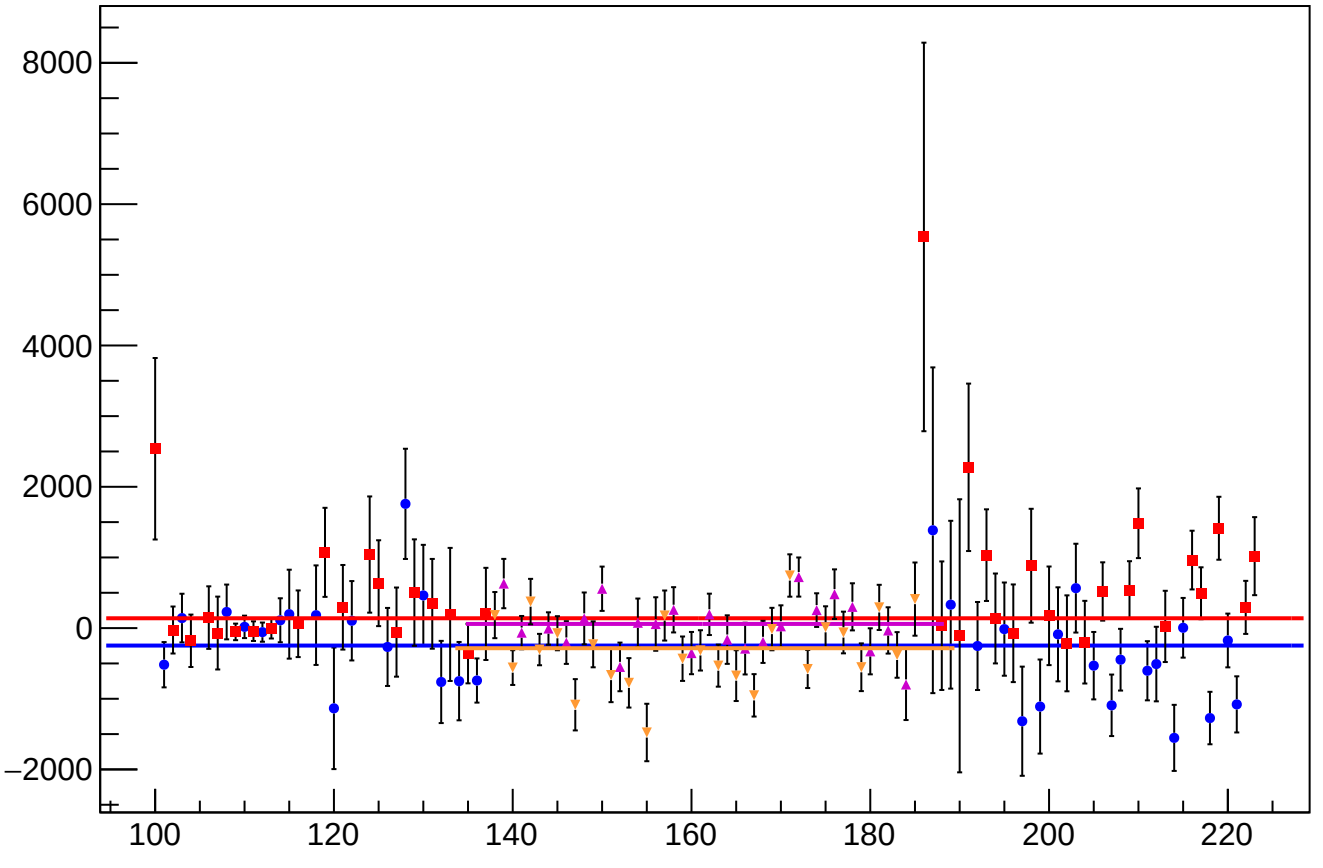
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.738+/-0.008 χ^2/NDF: 1687135.7/72

In: 69.962+/-0.008 χ^2/NDF:1936911.9/56

Out: 70.208+/-0.008 χ^2/NDF:2732359.2/63

All: 70.087+/-0.006 χ^2/NDF: 4669757.9/120



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

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

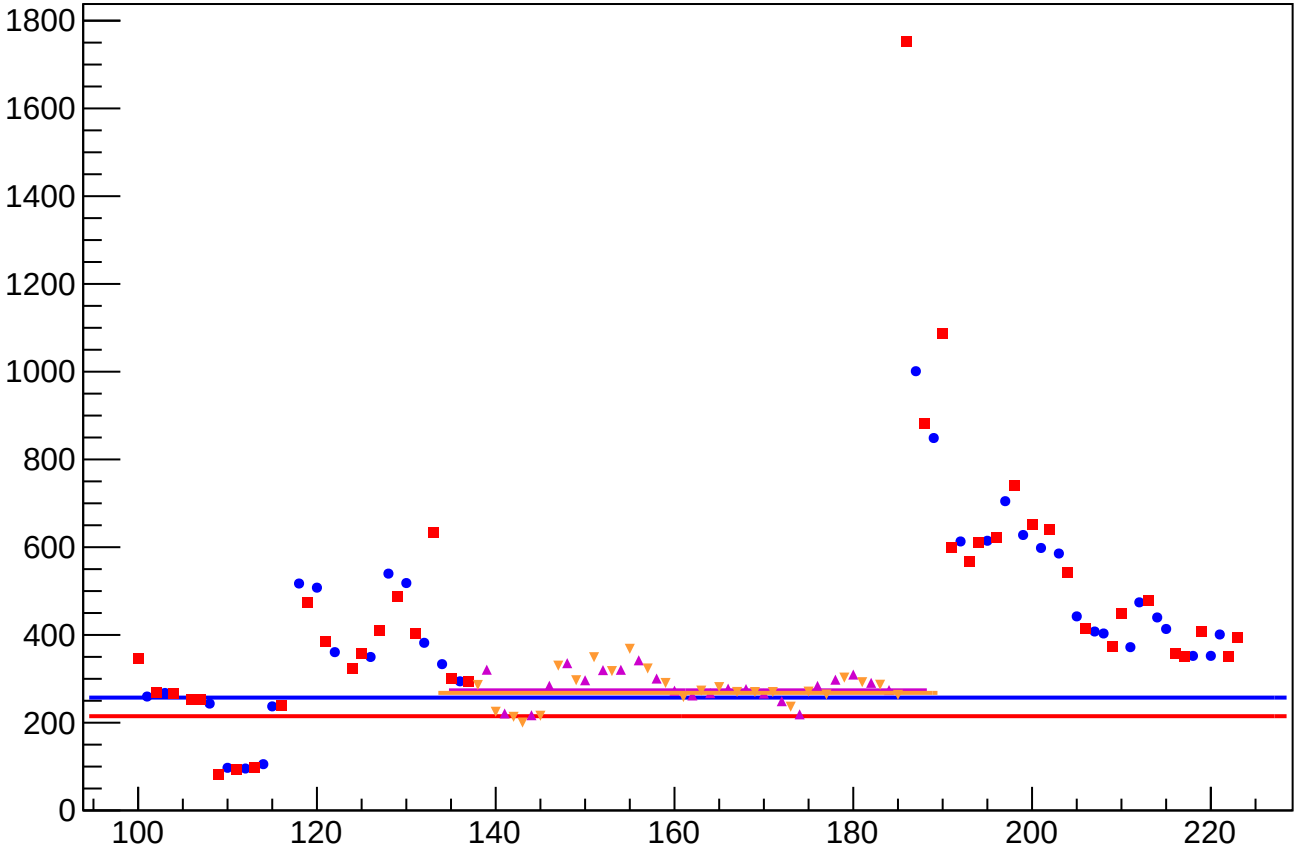
Right: -29.802+/-43.535 χ^2/NDF: 126.4/72

In: -91.169+/-46.112 χ^2/NDF:93.2/56

Out: -59.630+/-42.291 χ^2/NDF:131.4/63

All: -74.039+/-31.168 χ^2/NDF: 224.8/120

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



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

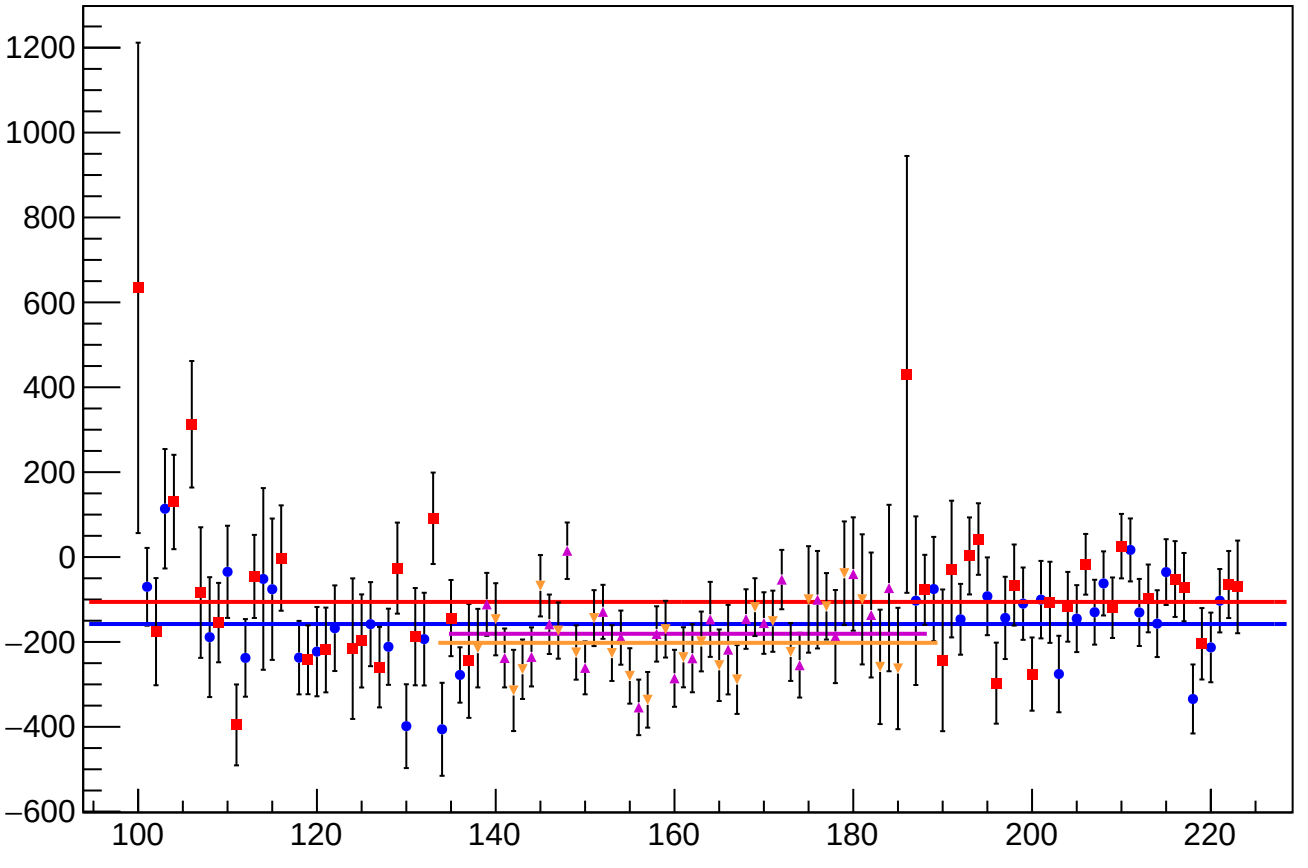
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 233.382+/-0.031 χ^2/NDF: 31698959.2/72

In: 265.631+/-0.033 χ^2/NDF:13981039.9/56

Out: 239.781+/-0.030 χ^2/NDF:19615657.7/63

All: 251.591+/-0.022 χ^2/NDF: 33938078.0/12



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

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

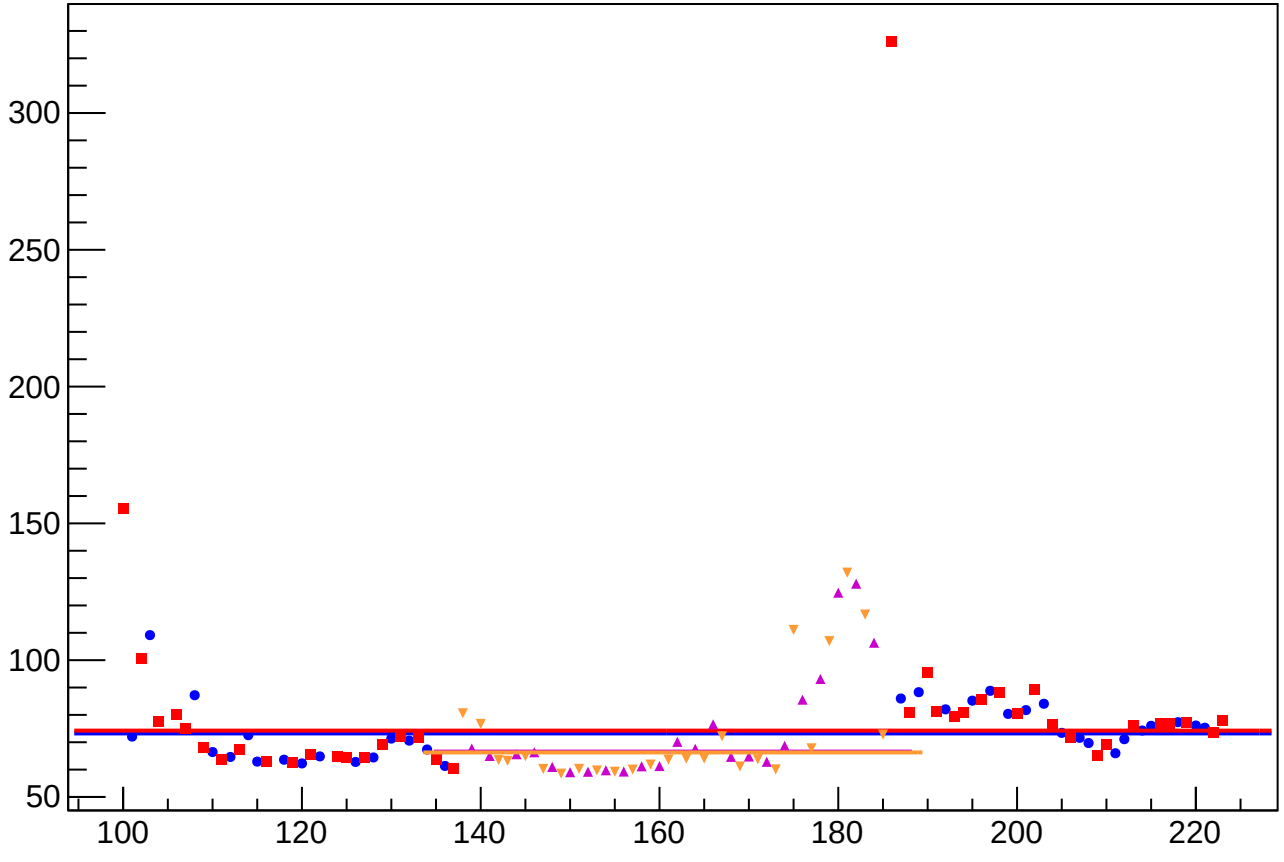
Right: -131.755+/-11.139 χ^2/NDF: 108.0/72

In: -169.077+/-11.229 χ^2/NDF:73.7/56

Out: -154.579+/-11.065 χ^2/NDF:100.5/63

All: -161.721+/-7.881 χ^2/NDF: 175.1/120

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



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

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

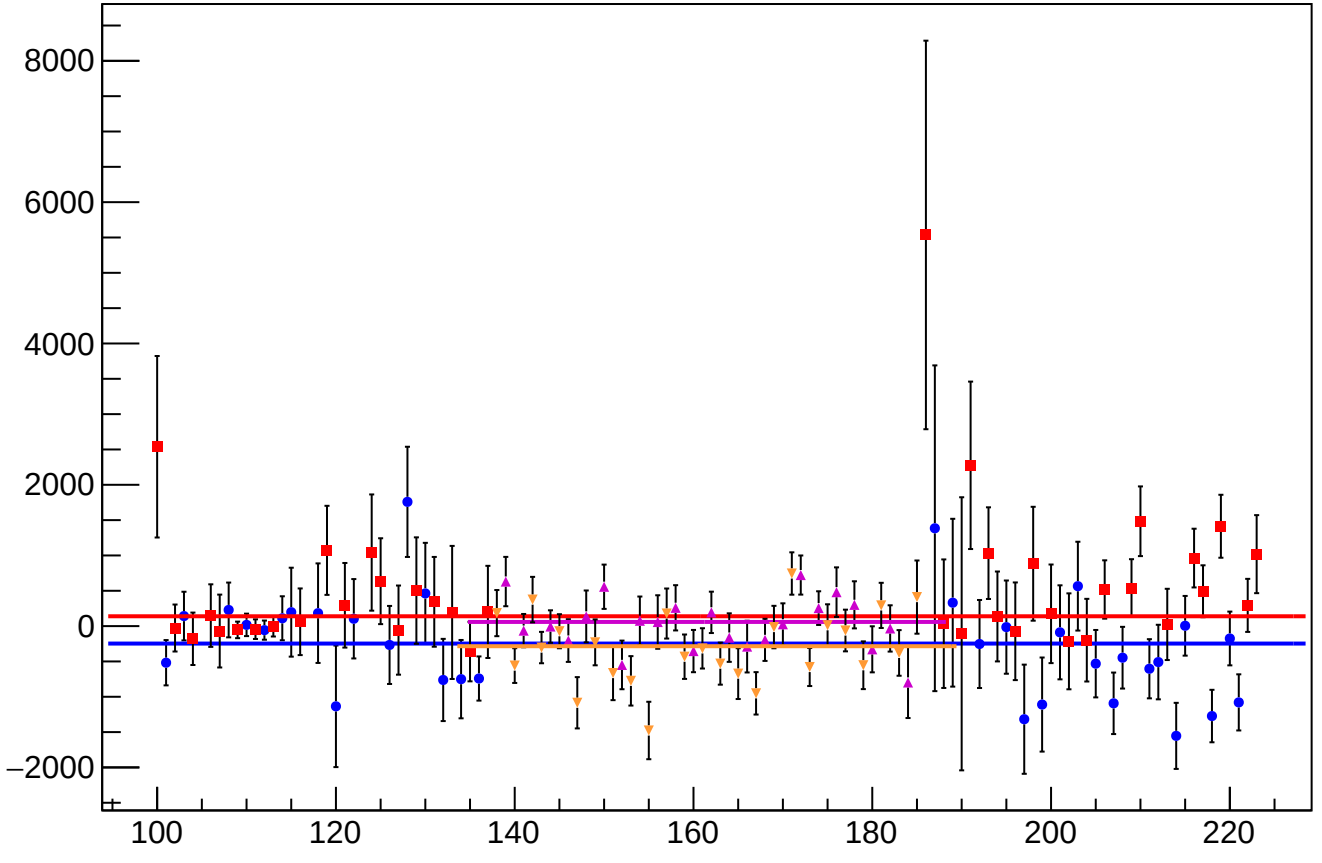
Right: 73.737+/-0.008 χ^2/NDF: 1687144.6/72

In: 69.962+/-0.008 χ^2/NDF:1936900.9/56

Out: 70.208+/-0.008 χ^2/NDF:2732355.0/63

All: 70.087+/-0.006 χ^2/NDF: 4669742.5/120

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



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

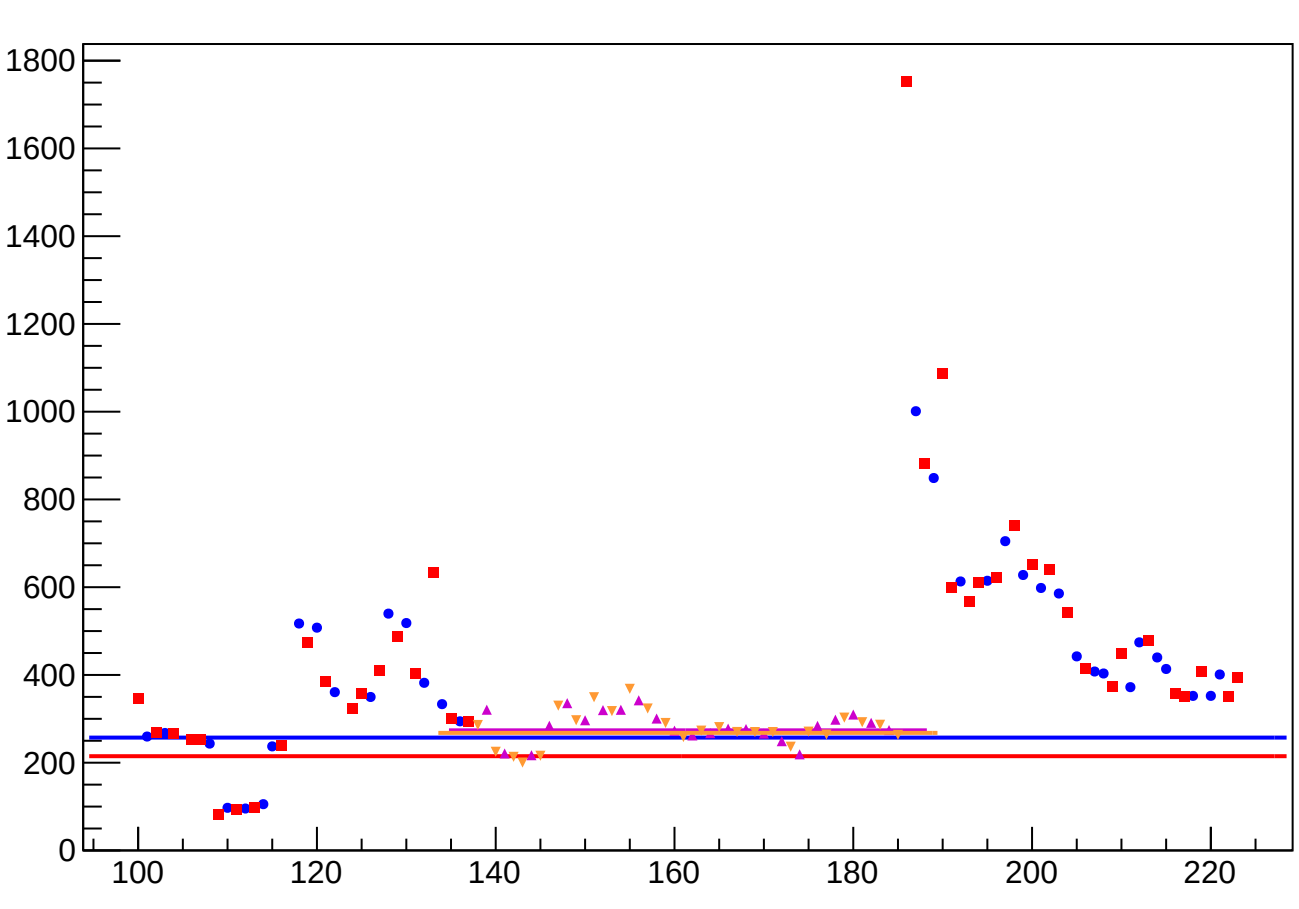
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -29.802+/-43.535 χ^2/NDF: 126.4/72

In: -91.168+/-46.112 χ^2/NDF:93.2/56

Out: -59.631+/-42.291 χ^2/NDF:131.4/63

All: -74.039+/-31.168 χ^2/NDF: 224.8/120



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

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

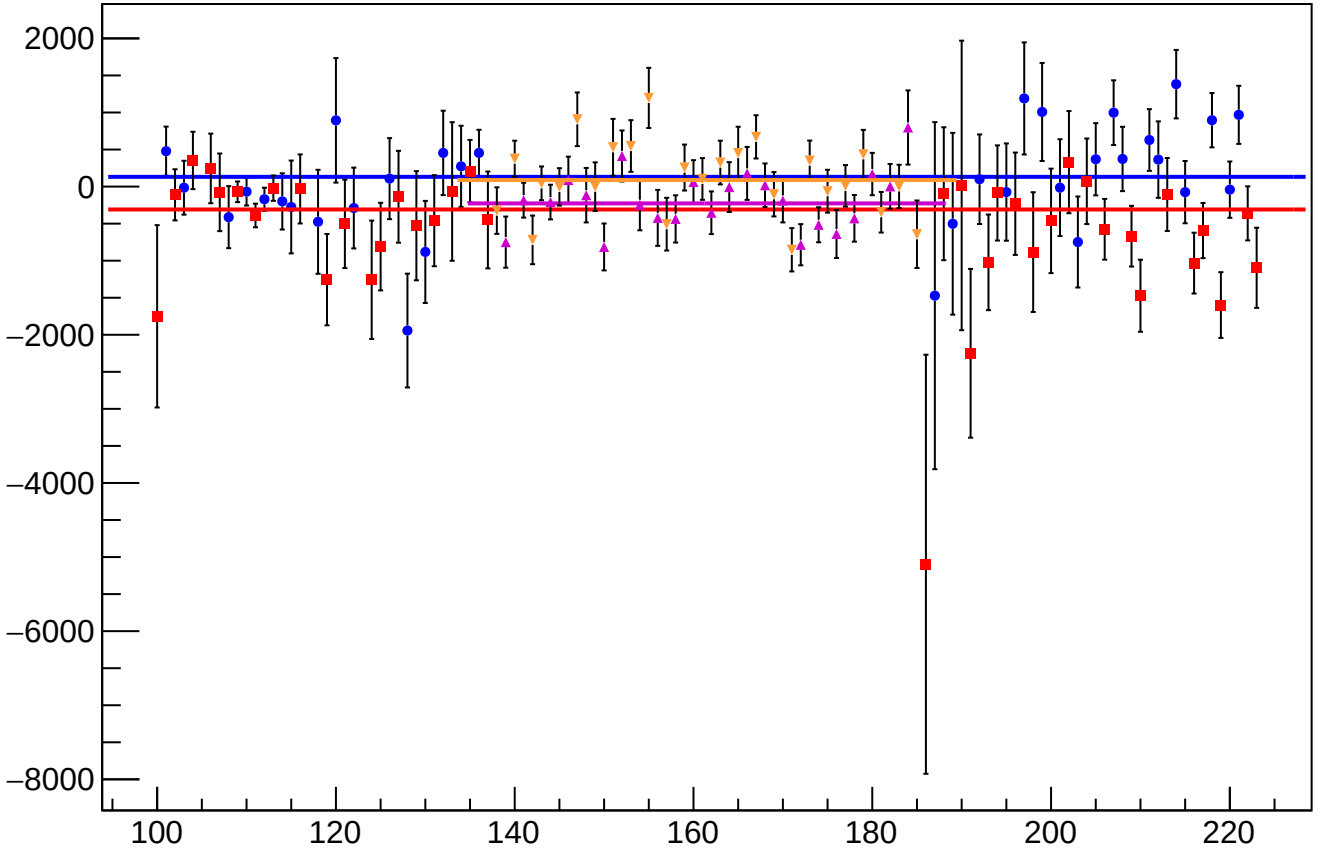
Right: 233.381+/-0.031 χ^2/NDF: 31699041.3/72

In: 265.629+/-0.033 χ^2/NDF:13981155.6/56

Out: 239.780+/-0.030 χ^2/NDF:19615659.9/63

All: 251.590+/-0.022 χ^2/NDF: 33938181.4/12

asym_sam8_mean vs Slug, Sign Corrected



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

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

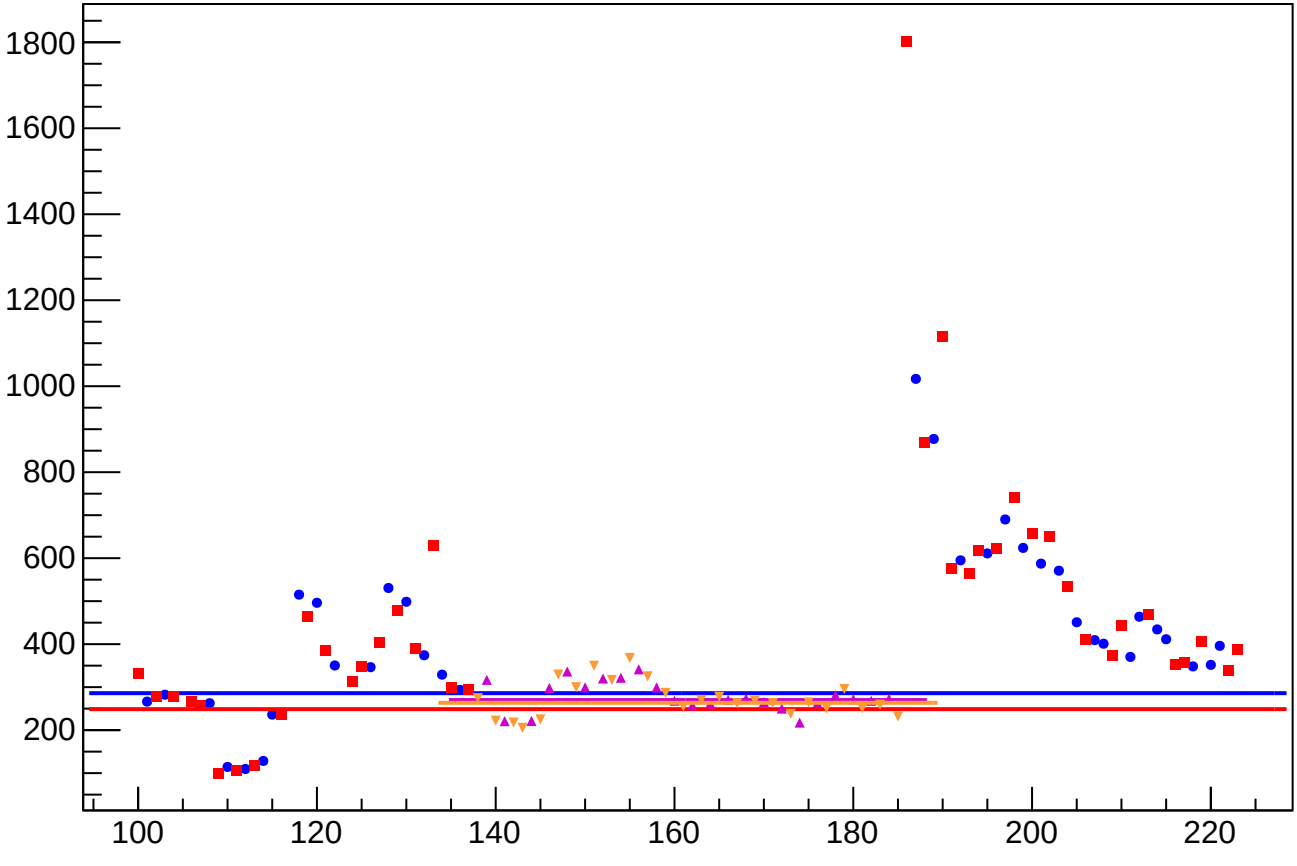
Right: -110.431+/-47.142 χ^2/NDF: 122.7/72

In: -65.162+/-47.166 χ^2/NDF:94.7/56

Out: -100.872+/-43.903 χ^2/NDF:122.1/63

All: -84.295+/-32.136 χ^2/NDF: 217.1/120

asym_sam8_rms vs Slug, Sign Corrected



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

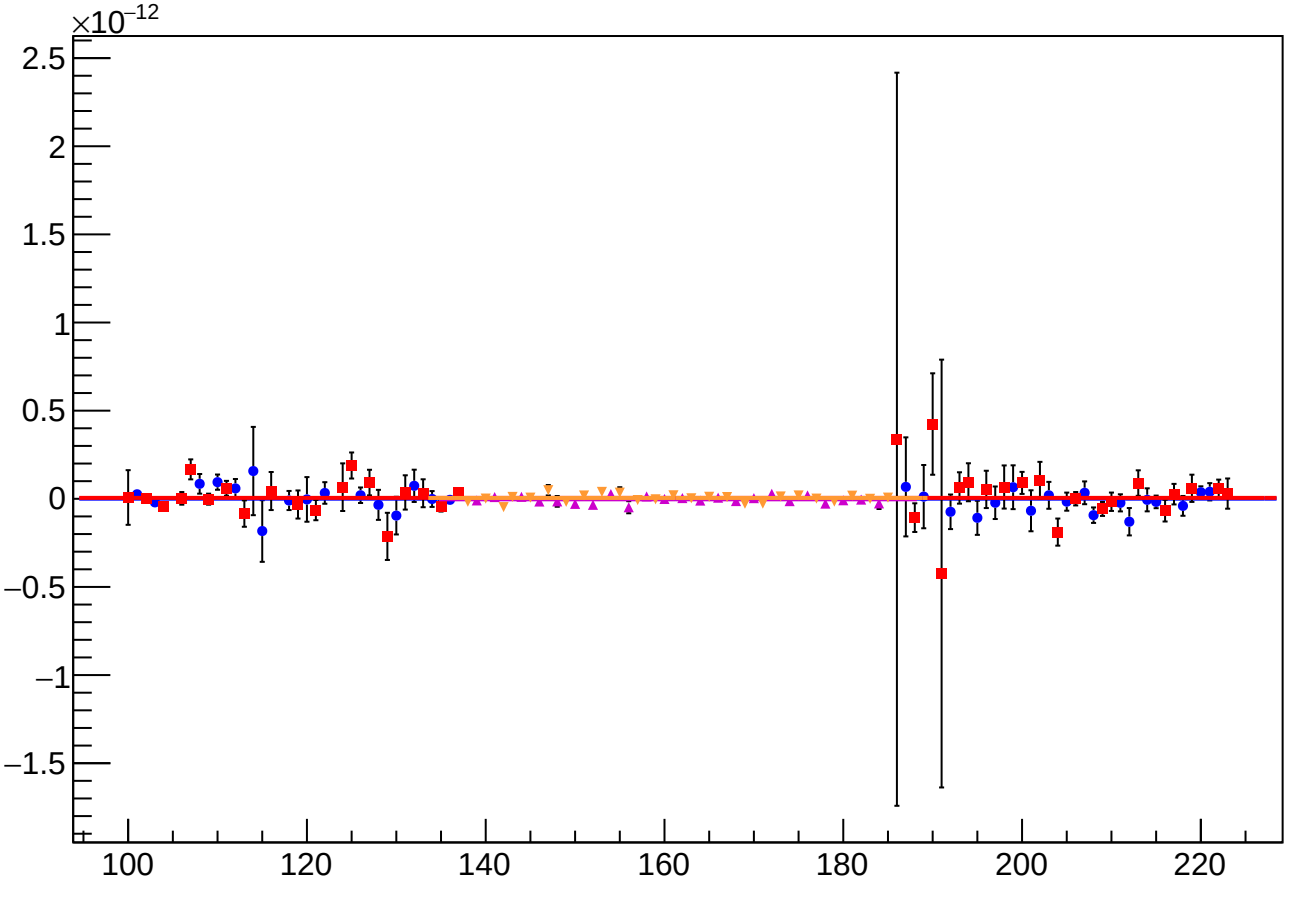
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 265.567+/-0.033 χ^2/NDF: 25706004.5/72

In: 277.151+/-0.033 χ^2/NDF:11261942.4/56

Out: 256.555+/-0.031 χ^2/NDF:15632614.7/63

All: 266.116+/-0.023 χ^2/NDF: 27098887.3/12



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

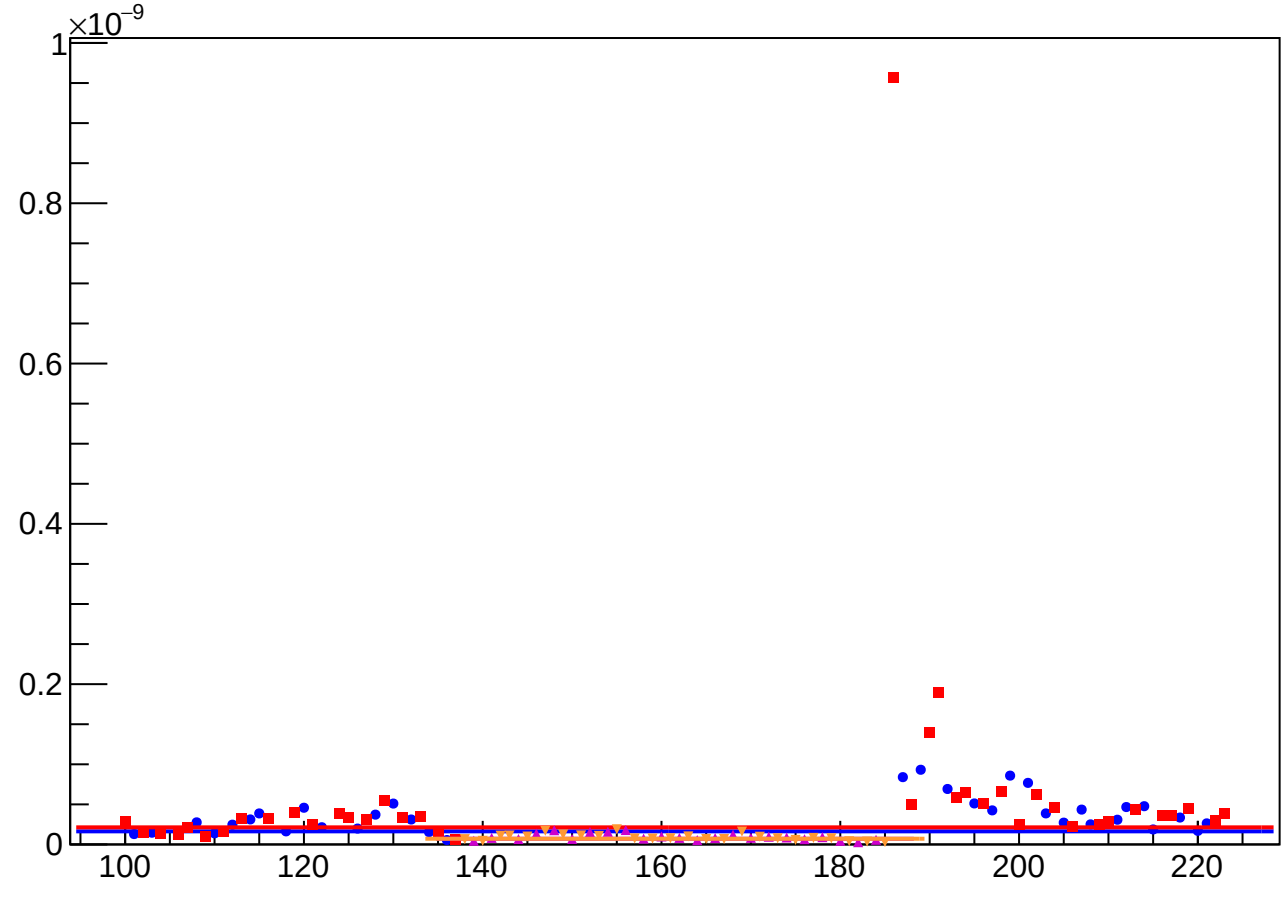
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 80.2/72

In: -0.000+/-0.000 χ^2/NDF:49.2/56

Out: 0.000+/-0.000 χ^2/NDF:80.5/63

All: 0.000+/-0.000 χ^2/NDF: 132.8/120



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

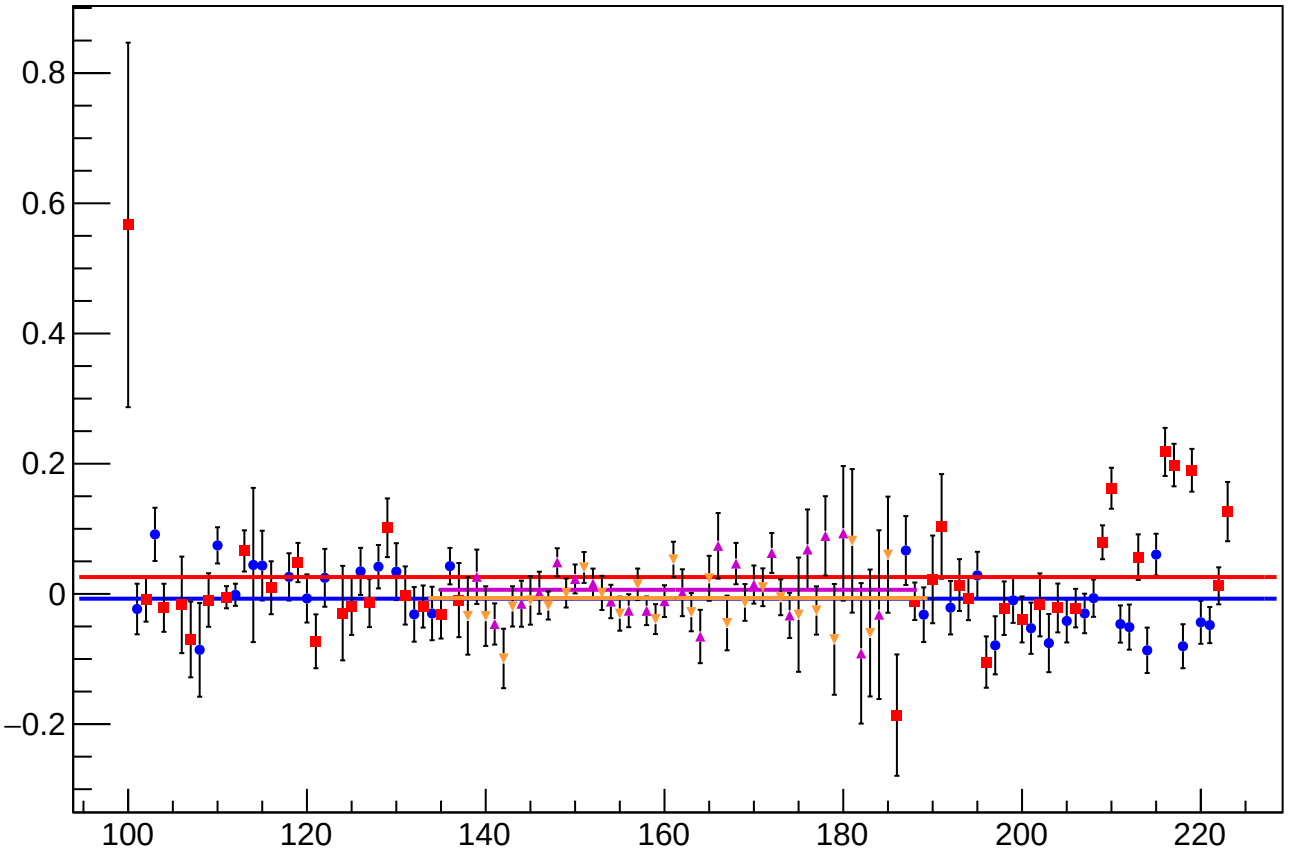
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 13063282.4/72

In: 0.000+/-0.000 χ^2/NDF:11989159.5/56

Out: 0.000+/-0.000 χ^2/NDF:12454485.0/63

All: 0.000+/-0.000 χ^2/NDF: 24445716.3/120



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

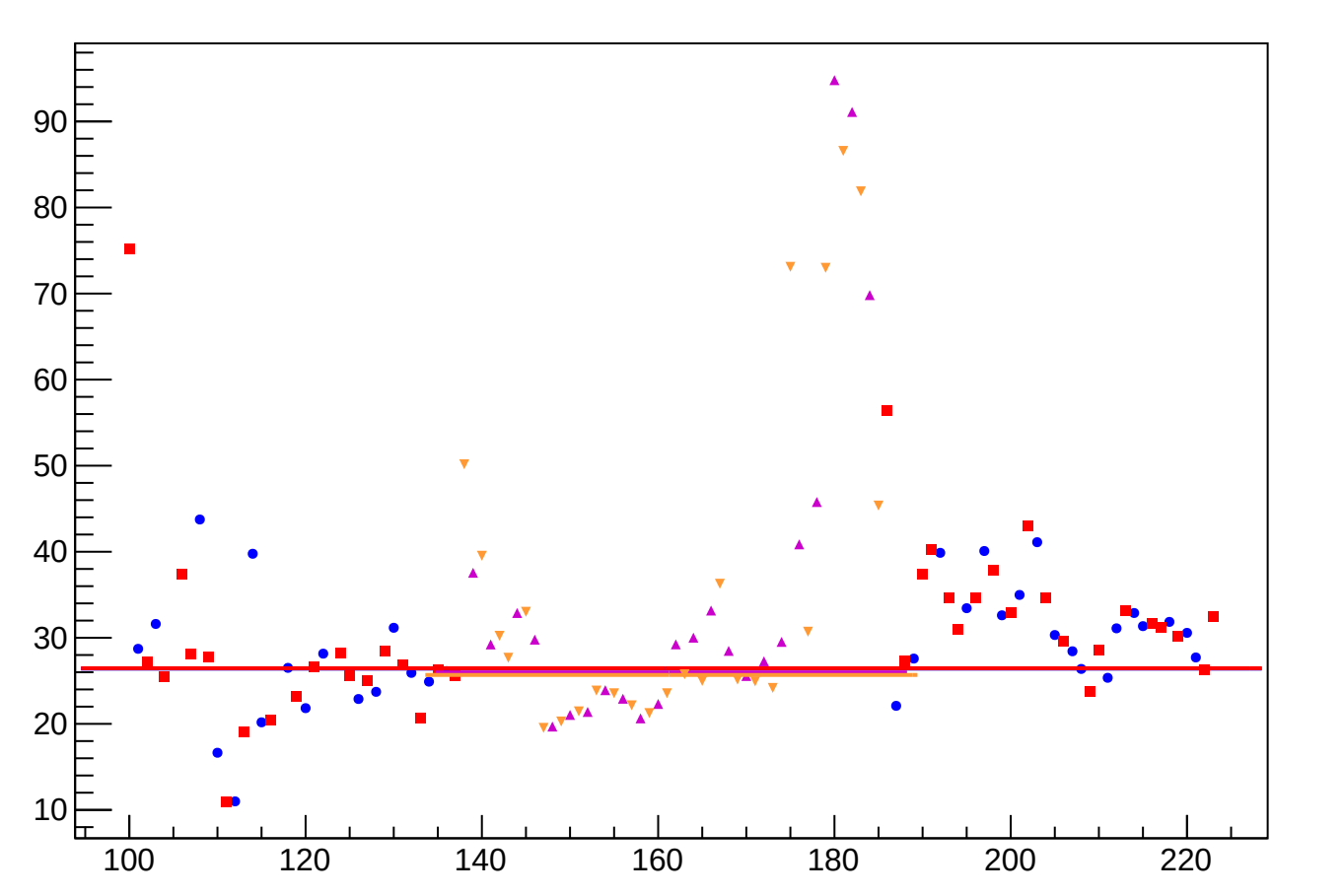
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.010+/-0.004 χ^2/NDF: 245.2/72

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.011+/-0.004 χ^2/NDF:206.8/63

All: 0.005+/-0.003 χ^2/NDF: 300.6/120



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

Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

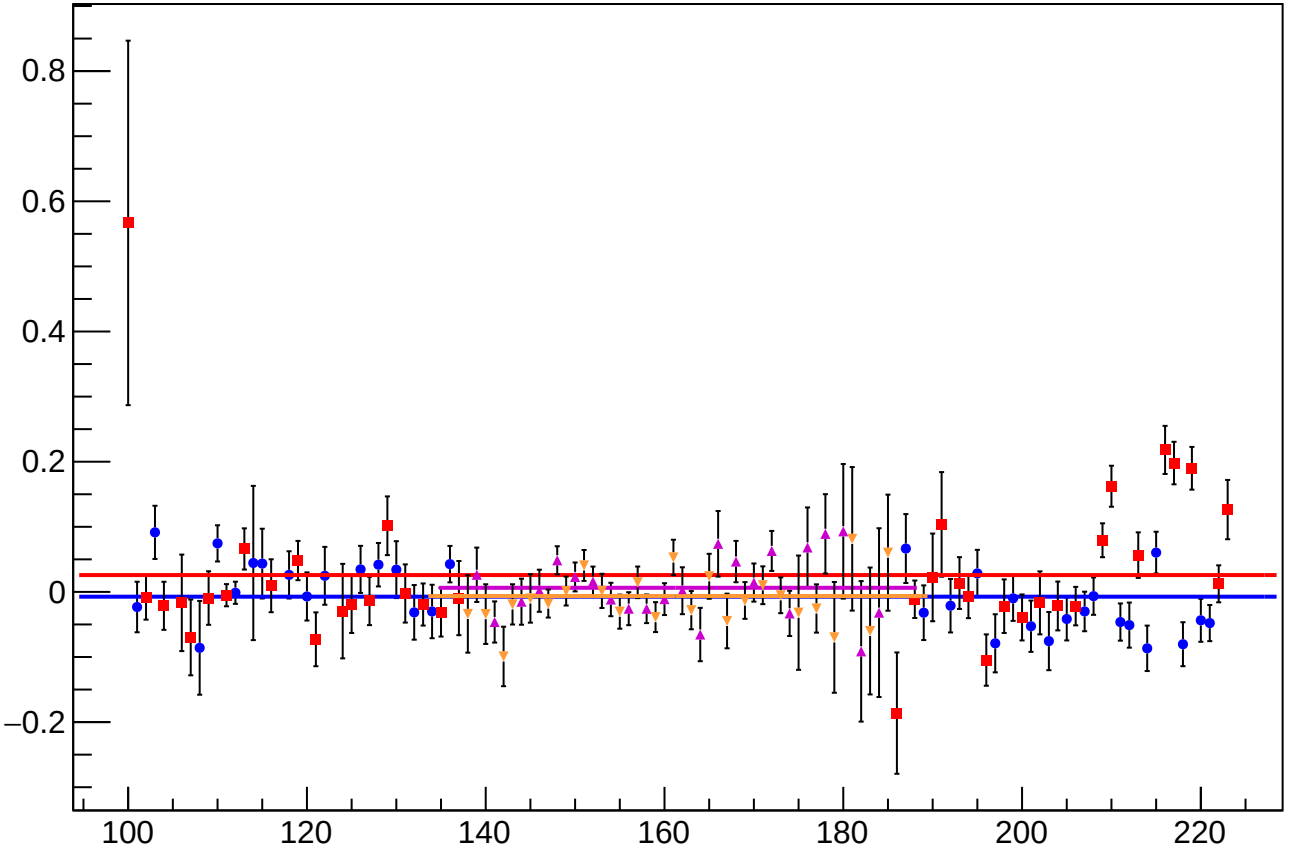
Right: 26.444+/-0.003 χ^2/NDF: 6713705.7/72

In: 26.221+/-0.003 χ^2/NDF:6467408.8/56

Out: 26.108+/-0.003 χ^2/NDF:7257385.8/63

All: 26.163+/-0.002 χ^2/NDF: 13725456.8/120

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

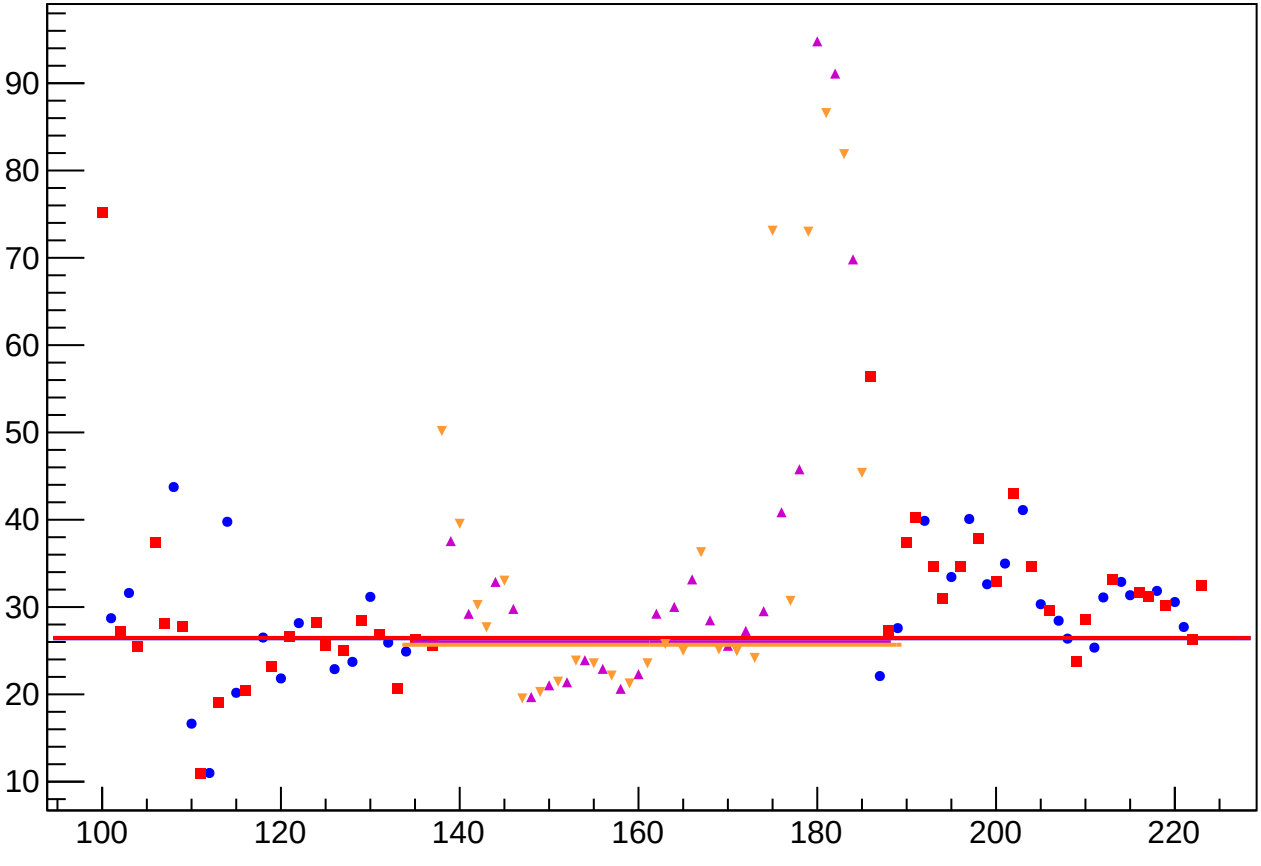
Right: 0.010+/-0.004 χ^2/NDF: 245.2/72

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.011+/-0.004 χ^2/NDF:206.8/63

All: 0.005+/-0.003 χ^2/NDF: 300.6/120

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

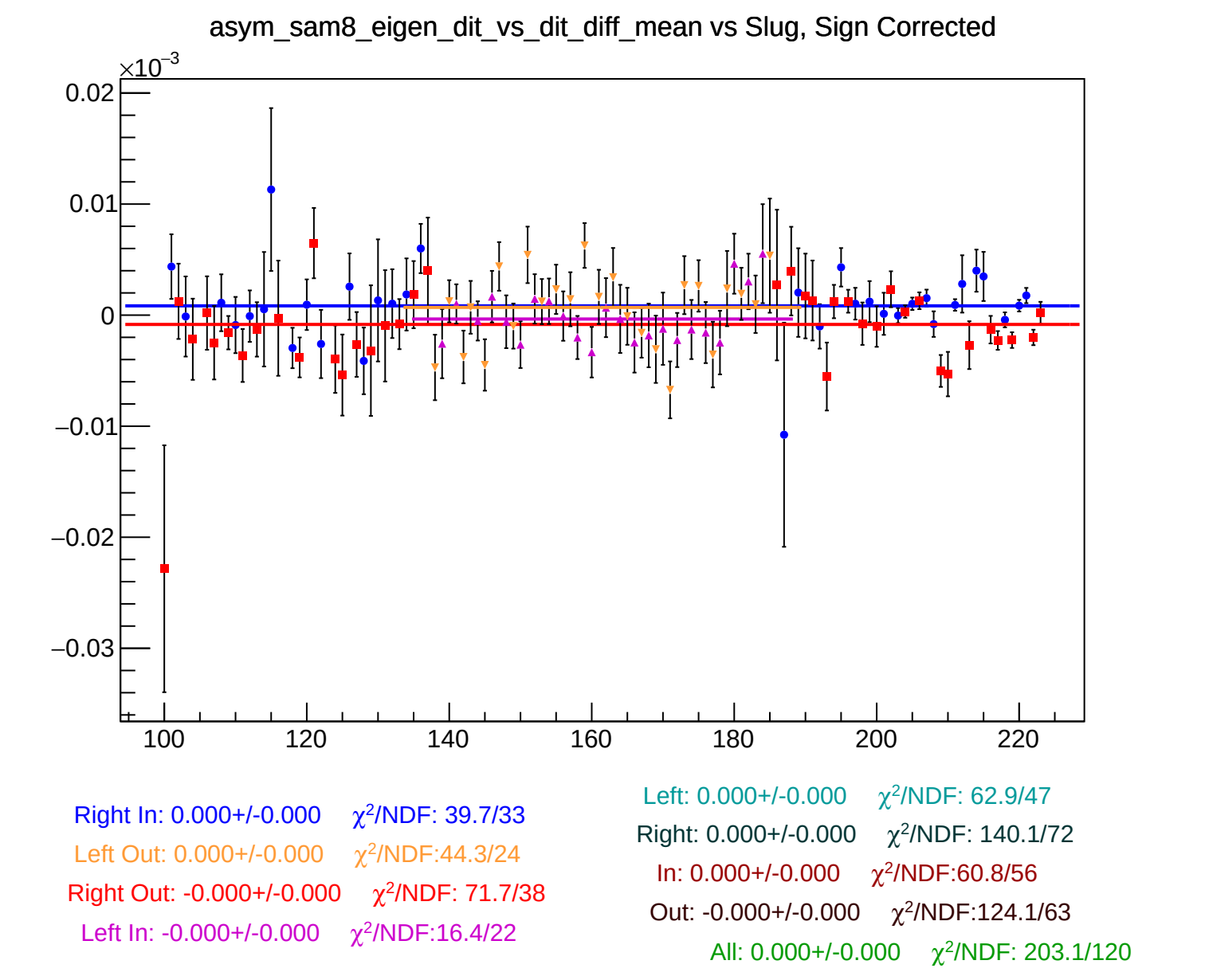
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

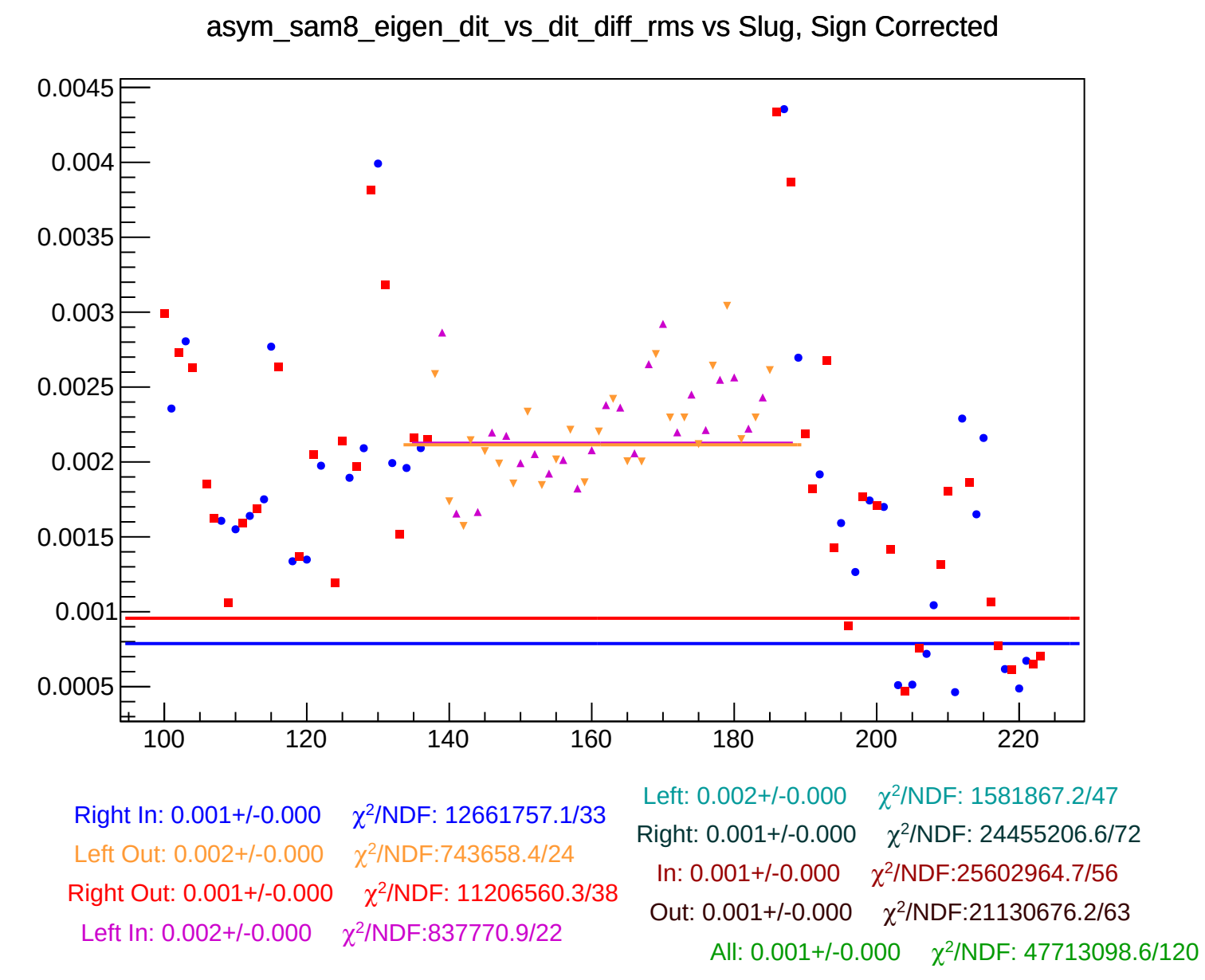
Right: 26.444+/-0.003 χ^2/NDF: 6713705.7/72

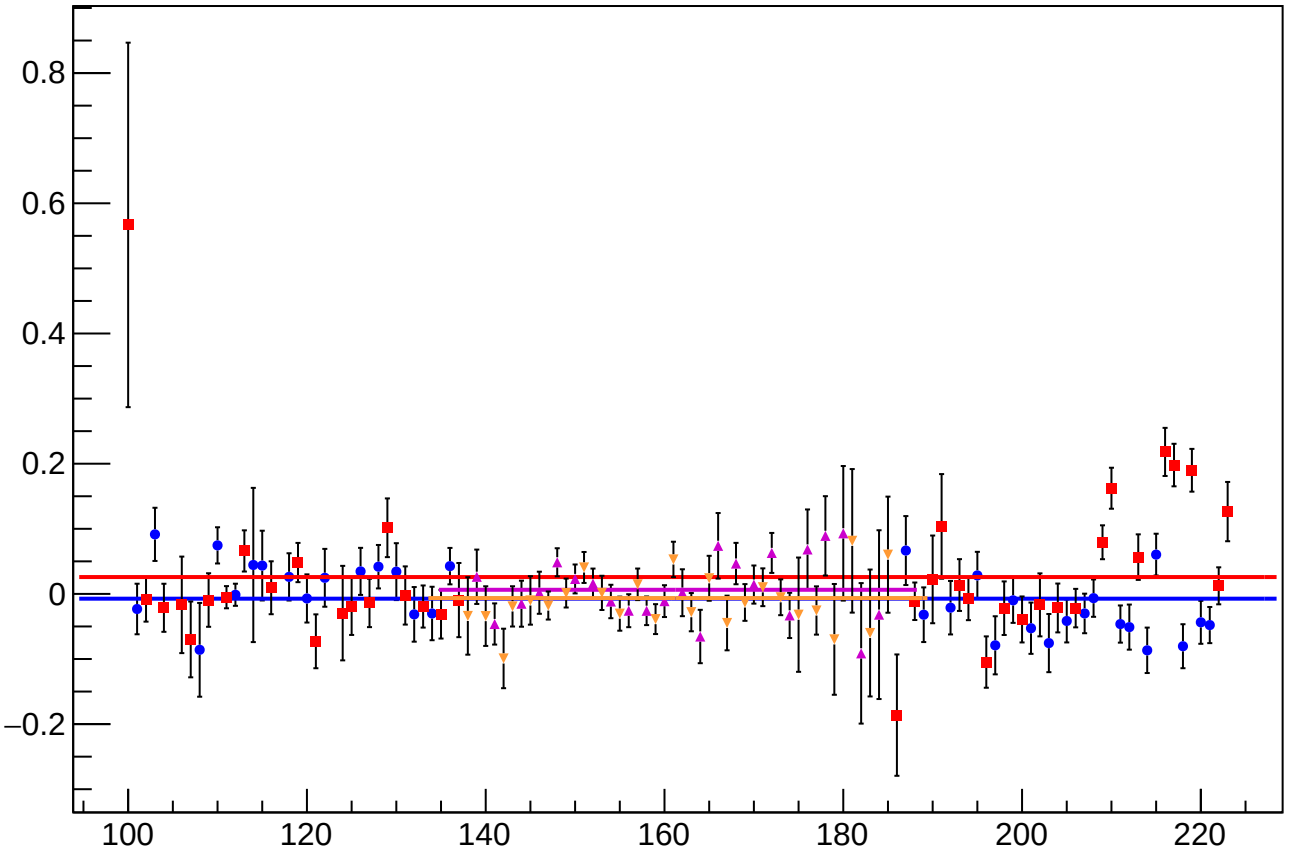
In: 26.221+/-0.003 χ^2/NDF:6467408.8/56

Out: 26.108+/-0.003 χ^2/NDF:7257385.8/63

All: 26.163+/-0.002 χ^2/NDF: 13725456.8/120


asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×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: 39.7/33
Left Out: 0.000+/-0.000 χ²/NDF:44.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 71.7/38
Left In: -0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 62.9/47
Right: 0.000+/-0.000 χ²/NDF: 140.1/72
In: 0.000+/-0.000 χ²/NDF:60.8/56
Out: -0.000+/-0.000 χ²/NDF:124.1/63
All: 0.000+/-0.000 χ²/NDF: 203.1/120


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 12661757.1/33
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 11206560.3/38
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.001+/-0.000 χ²/NDF: 24455206.6/72
In: 0.001+/-0.000 χ²/NDF:25602964.7/56
Out: 0.001+/-0.000 χ²/NDF:21130676.2/63
All: 0.001+/-0.000 χ²/NDF: 47713098.6/120



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

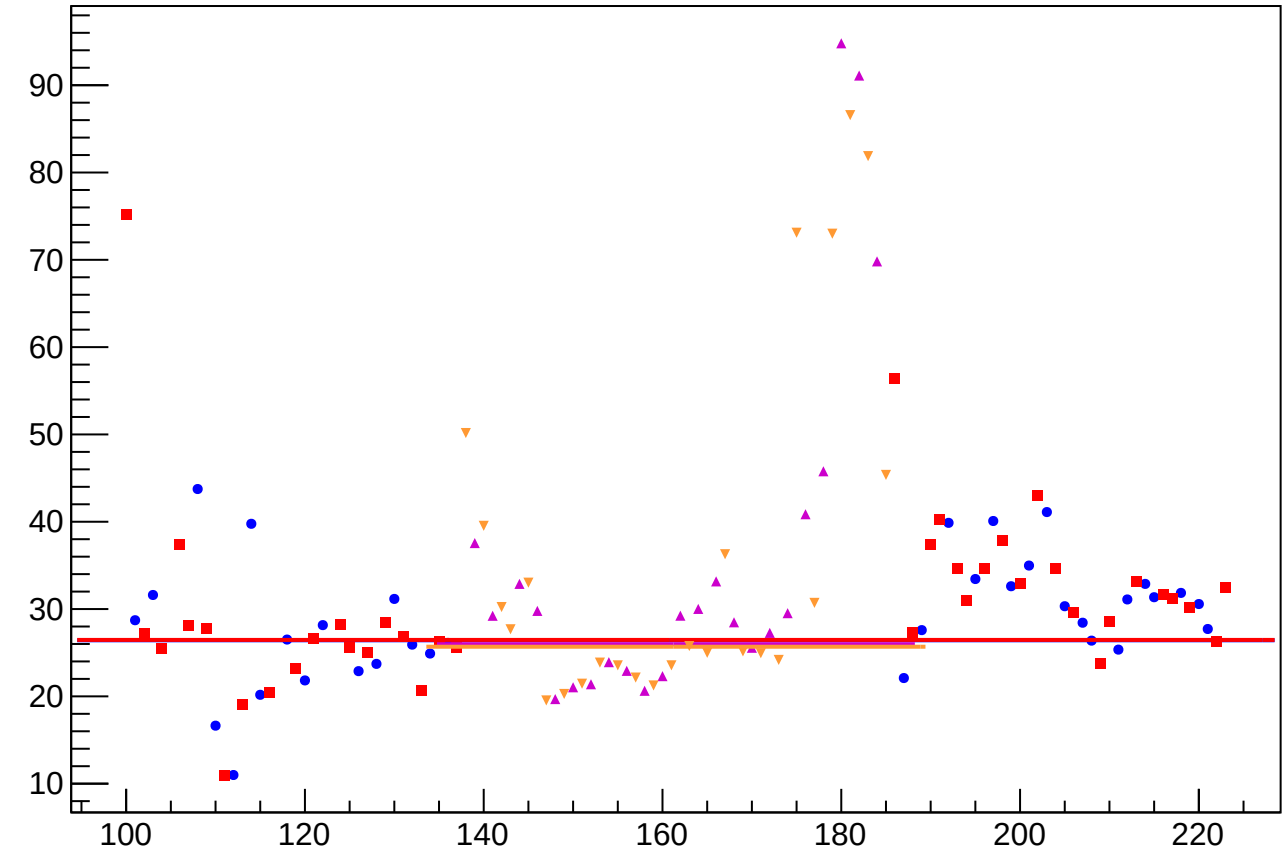
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.010+/-0.004 χ^2/NDF: 245.2/72

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.011+/-0.004 χ^2/NDF:206.8/63

All: 0.005+/-0.003 χ^2/NDF: 300.6/120



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

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

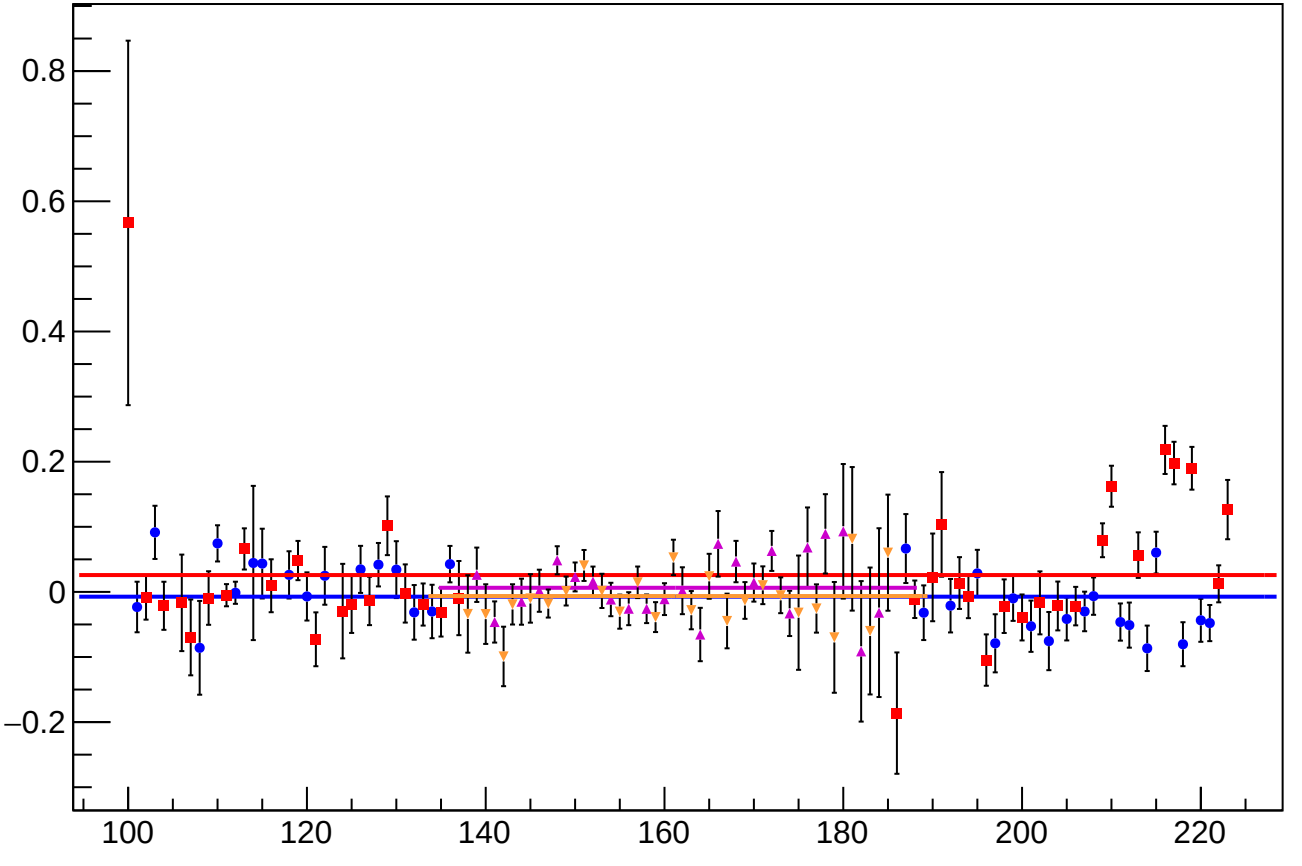
Right: 26.443+/-0.003 χ^2/NDF: 6714311.9/72

In: 26.221+/-0.003 χ^2/NDF:6467675.3/56

Out: 26.108+/-0.003 χ^2/NDF:7257671.5/63

All: 26.163+/-0.002 χ^2/NDF: 13726009.6/120

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

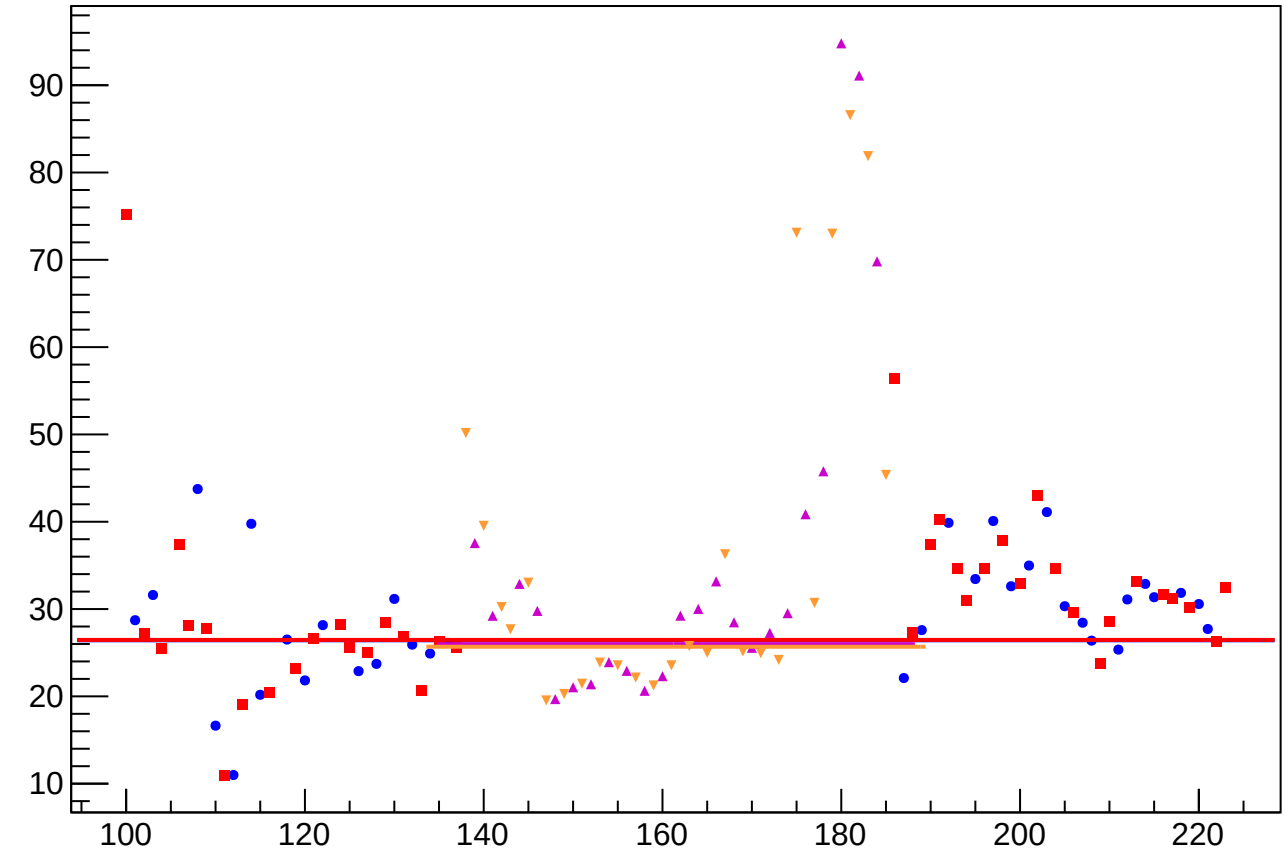
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.010+/-0.004 χ^2/NDF: 245.2/72

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.011+/-0.004 χ^2/NDF:206.8/63

All: 0.005+/-0.003 χ^2/NDF: 300.6/120



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

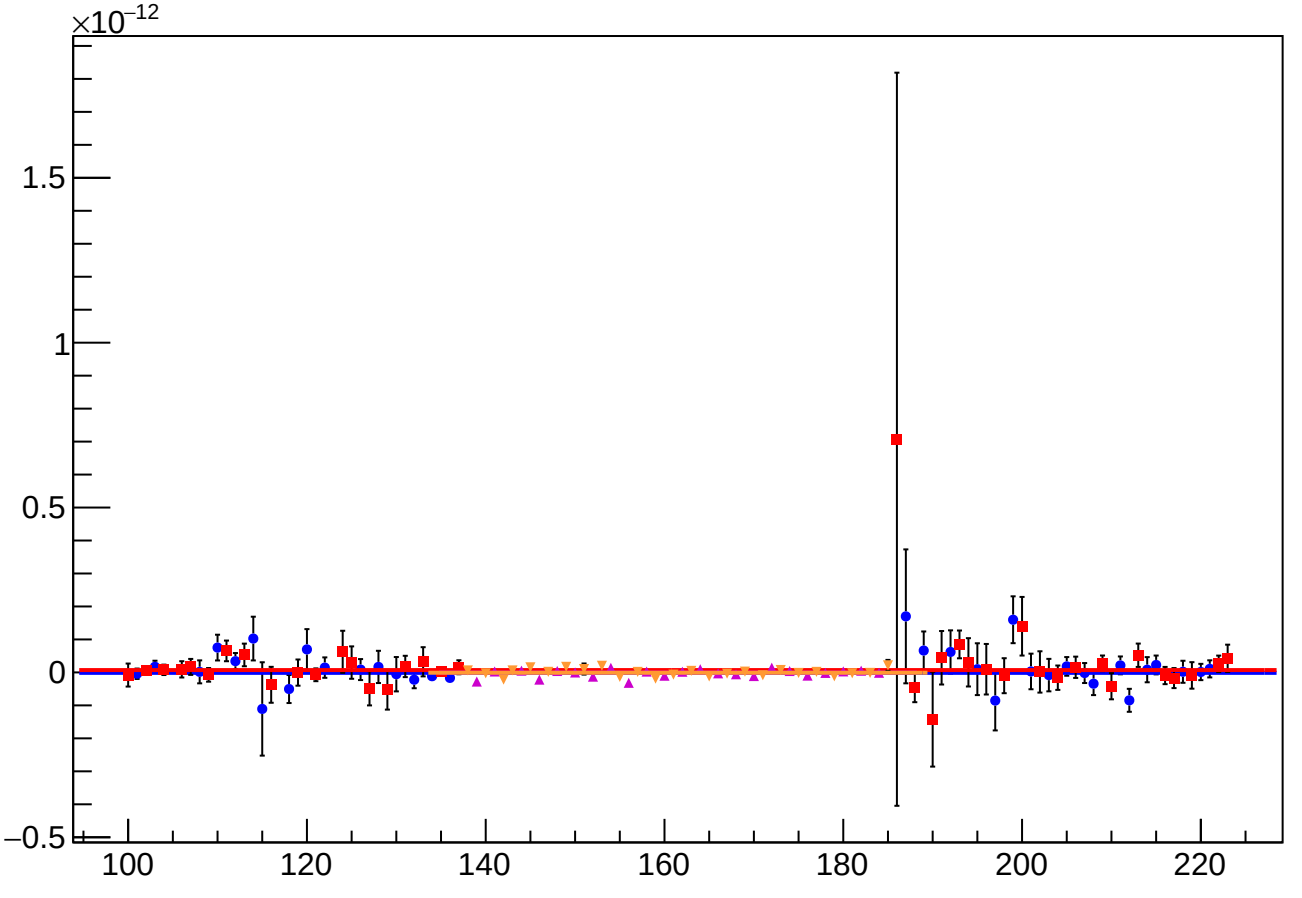
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 26.443+/-0.003 χ^2/NDF: 6714311.9/72

In: 26.221+/-0.003 χ^2/NDF:6467675.3/56

Out: 26.108+/-0.003 χ^2/NDF:7257671.5/63

All: 26.163+/-0.002 χ^2/NDF: 13726009.6/120



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

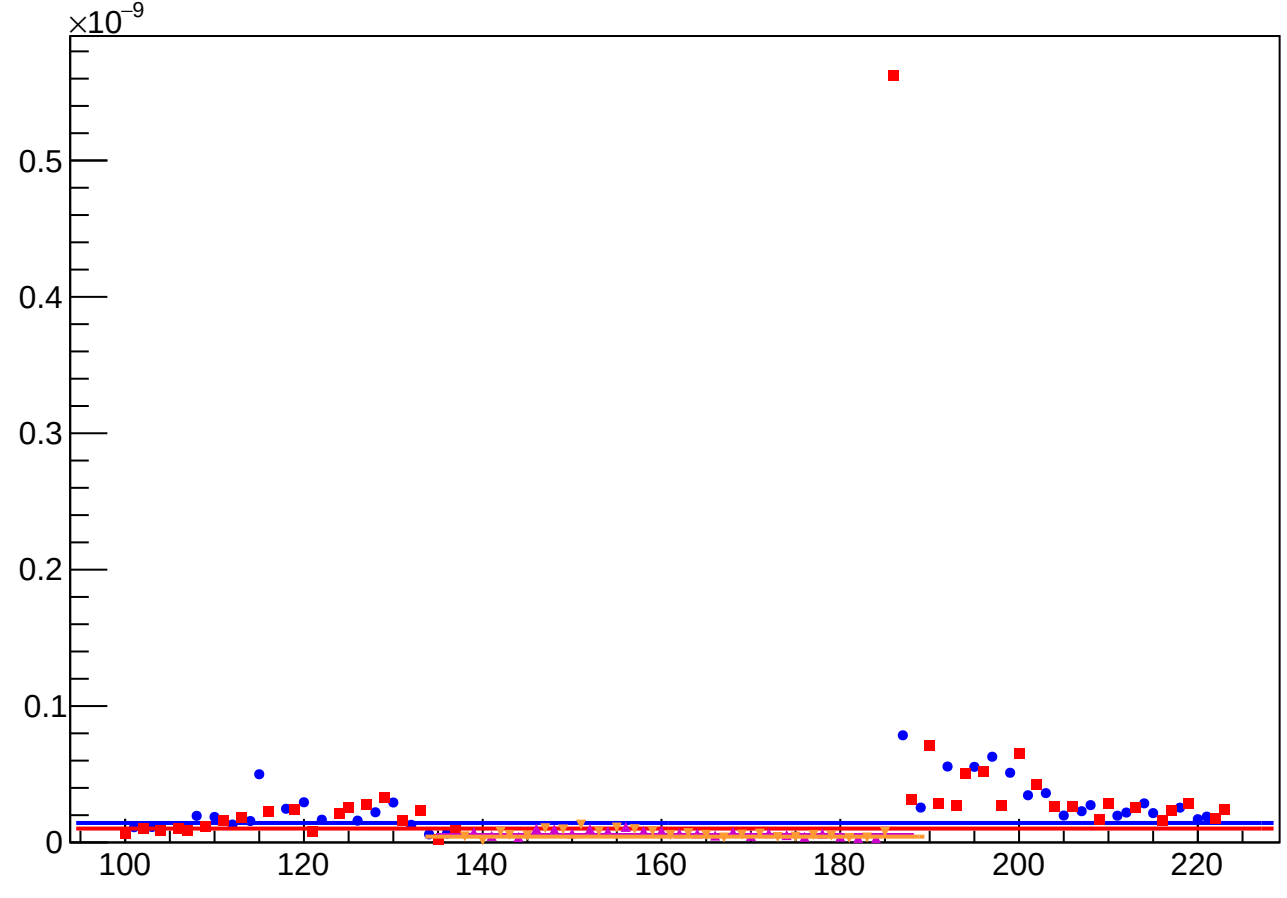
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 64.3/72

In: -0.000+/-0.000 χ^2/NDF:64.9/56

Out: -0.000+/-0.000 χ^2/NDF:59.7/63

All: -0.000+/-0.000 χ^2/NDF: 124.7/120



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

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

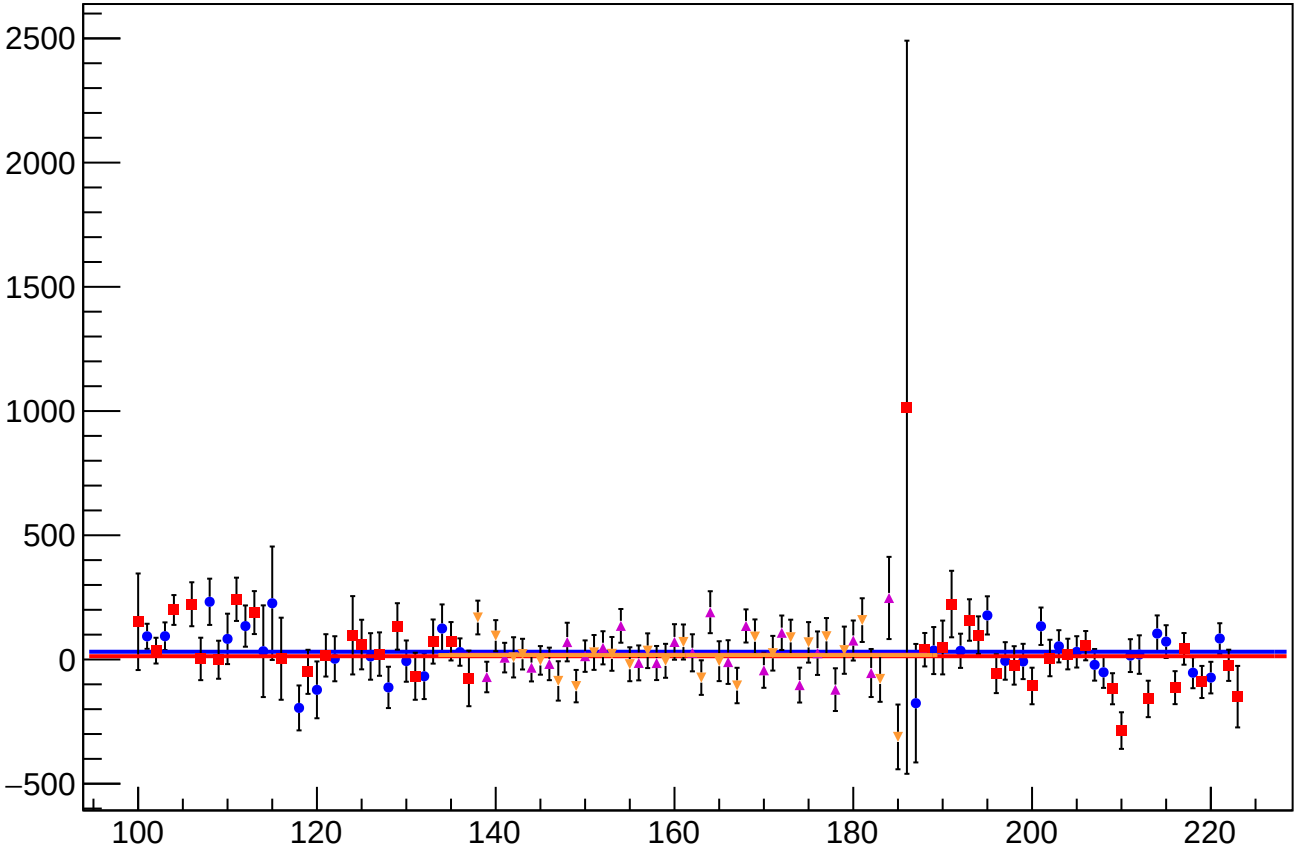
Right: 0.000+/-0.000 χ^2/NDF: 21558119.7/72

In: 0.000+/-0.000 χ^2/NDF:17017625.5/56

Out: 0.000+/-0.000 χ^2/NDF:22318989.3/63

All: 0.000+/-0.000 χ^2/NDF: 40467307.4/120

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

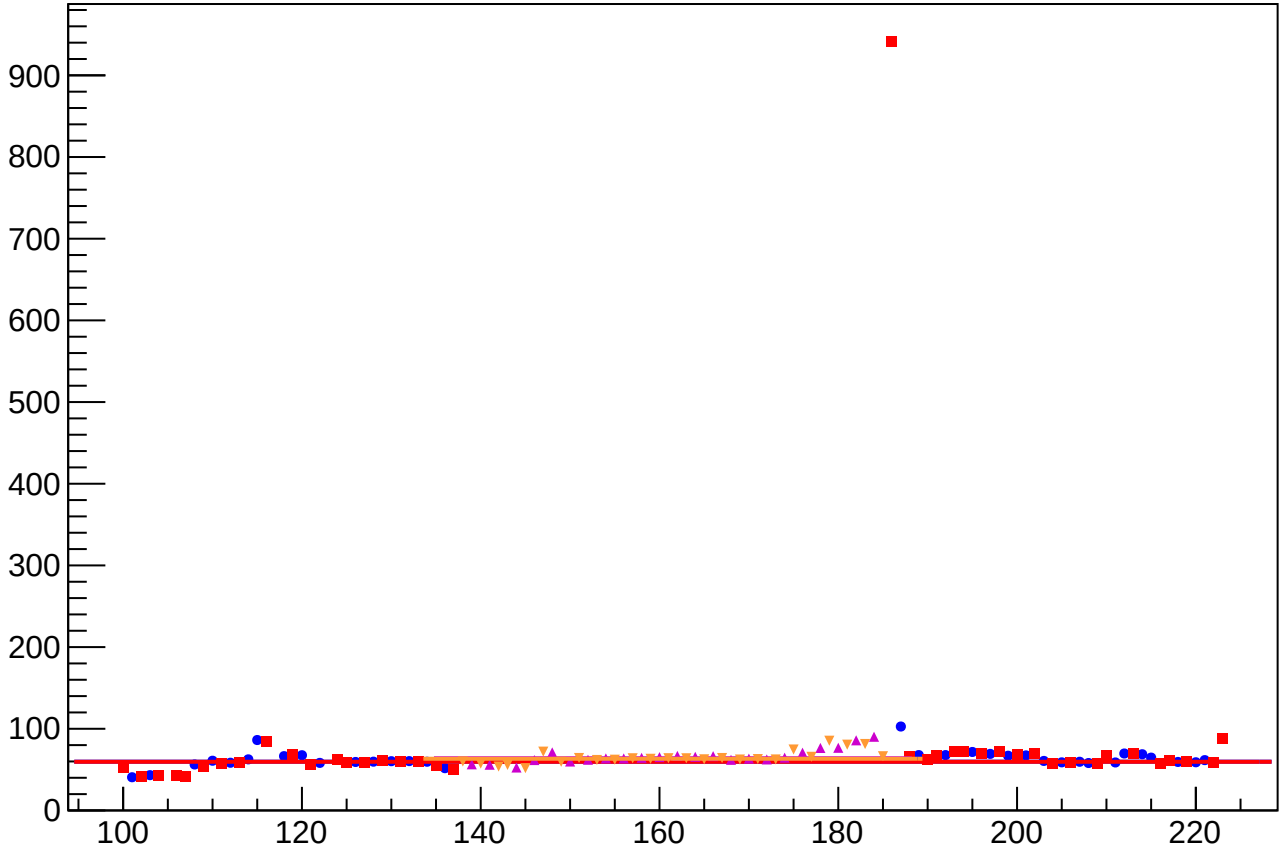
Right: 22.073+/-9.065 χ^2/NDF: 119.1/72

In: 26.290+/-9.782 χ^2/NDF:66.1/56

Out: 15.176+/-9.579 χ^2/NDF:110.3/63

All: 20.617+/-6.844 χ^2/NDF: 177.0/120

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

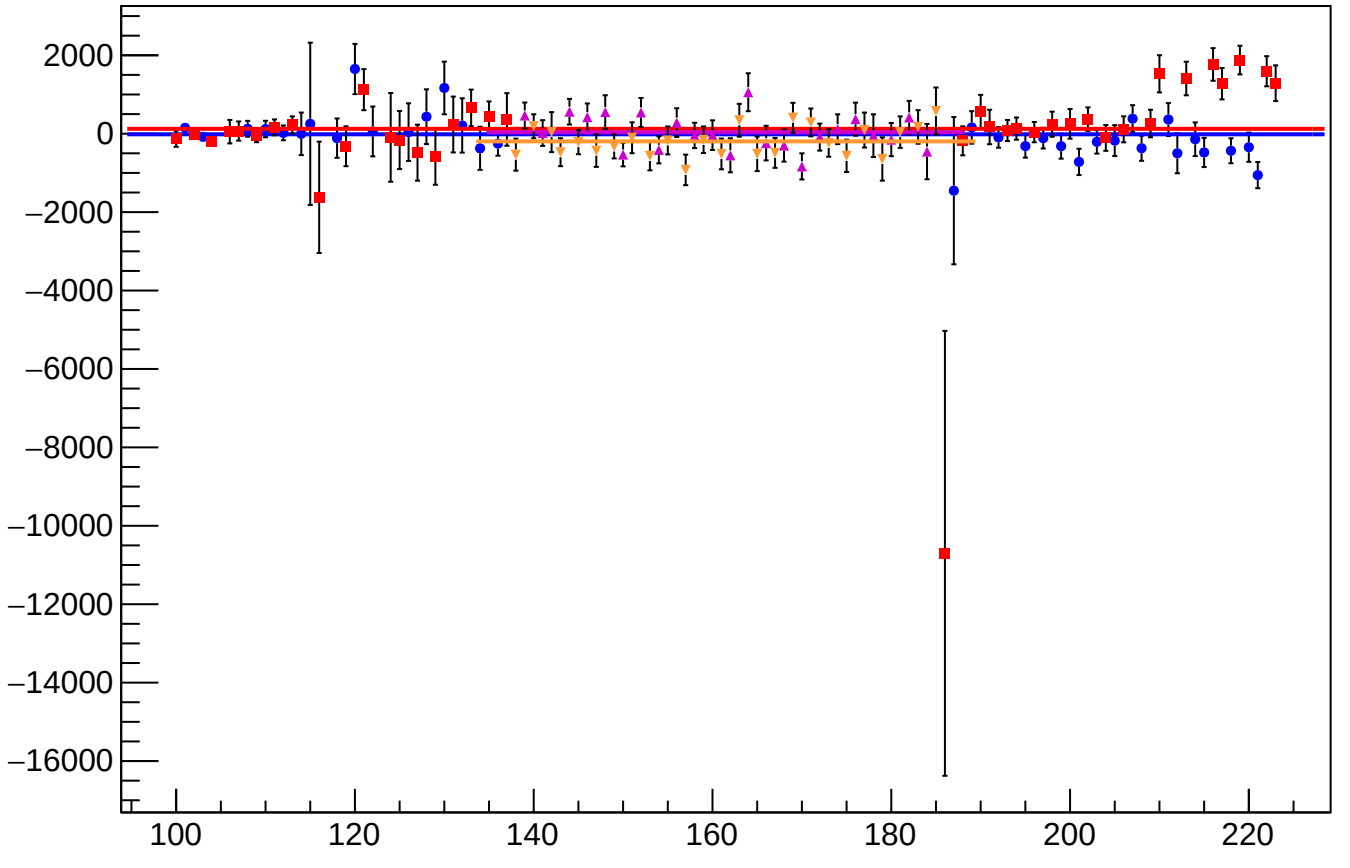
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.660+/-0.006 χ^2/NDF: 2695720.9/72

In: 61.497+/-0.007 χ^2/NDF:1399824.9/56

Out: 61.221+/-0.007 χ^2/NDF:2402268.8/63

All: 61.356+/-0.005 χ^2/NDF: 3802904.6/120



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

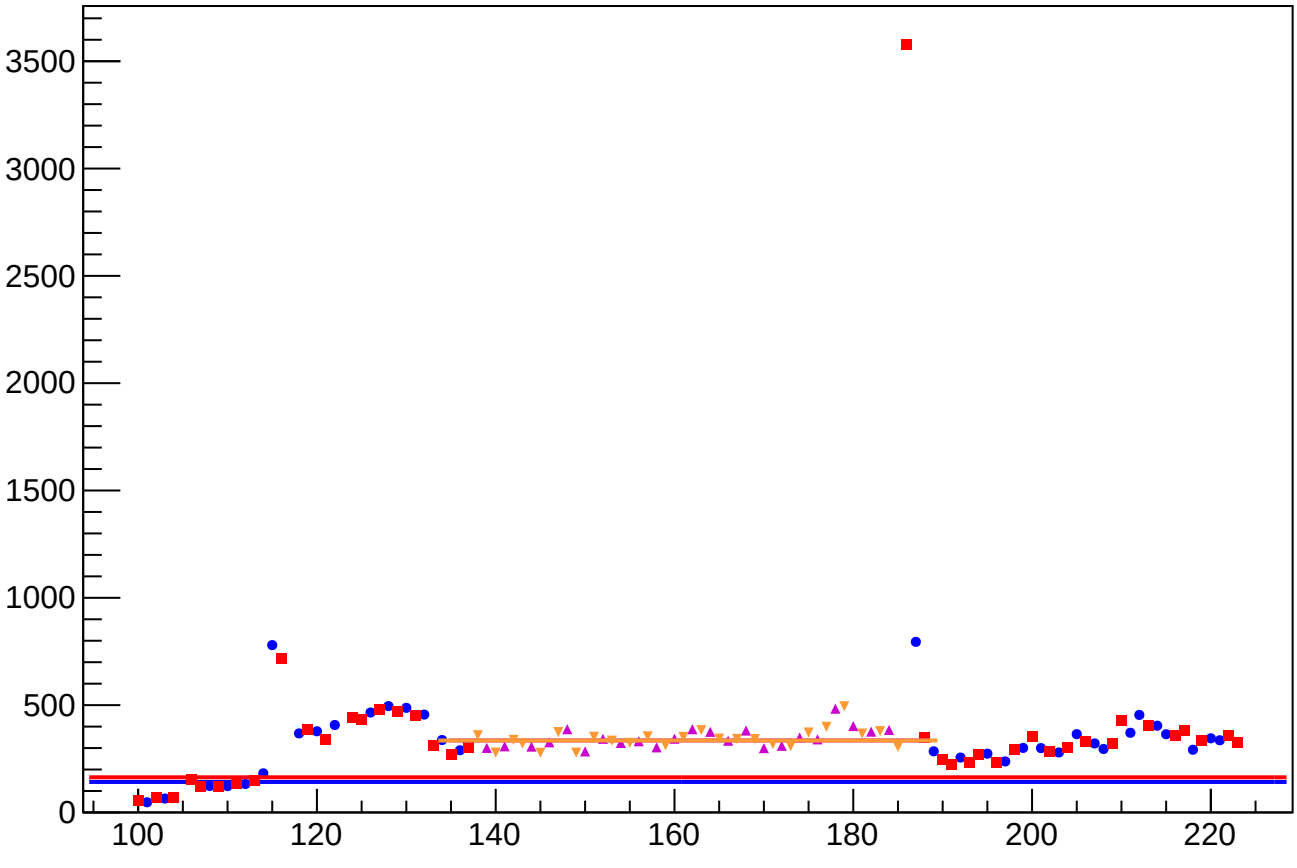
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 50.931+/-29.338 χ^2/NDF: 170.3/72

In: -4.568+/-36.001 χ^2/NDF:76.2/56

Out: 49.486+/-37.322 χ^2/NDF:153.7/63

All: 21.486+/-25.911 χ^2/NDF: 231.0/120



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

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

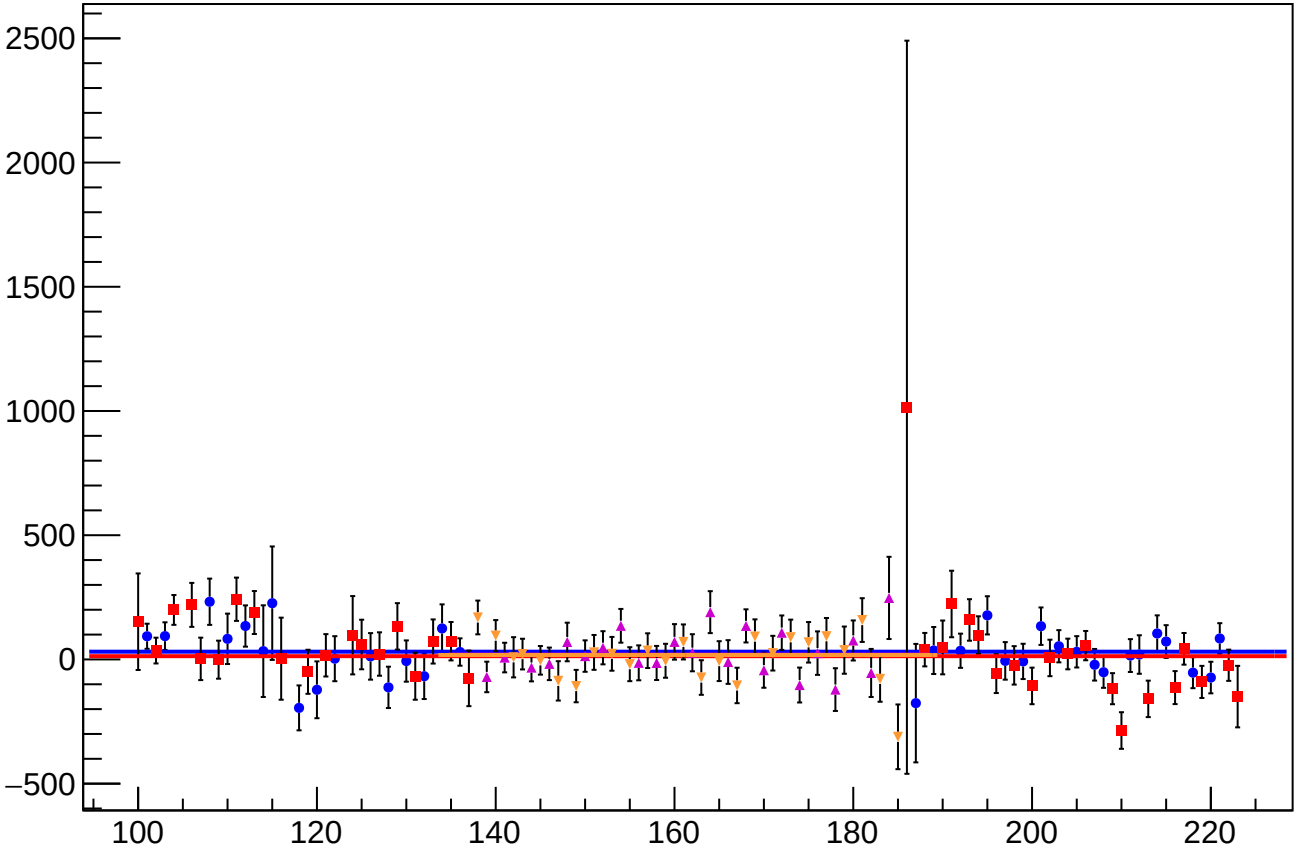
Right: 152.345+/-0.021 χ^2/NDF: 34202672.6/72

In: 182.028+/-0.025 χ^2/NDF:28292690.5/56

Out: 203.989+/-0.026 χ^2/NDF:23737853.5/63

All: 192.613+/-0.018 χ^2/NDF: 52389261.6/12

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

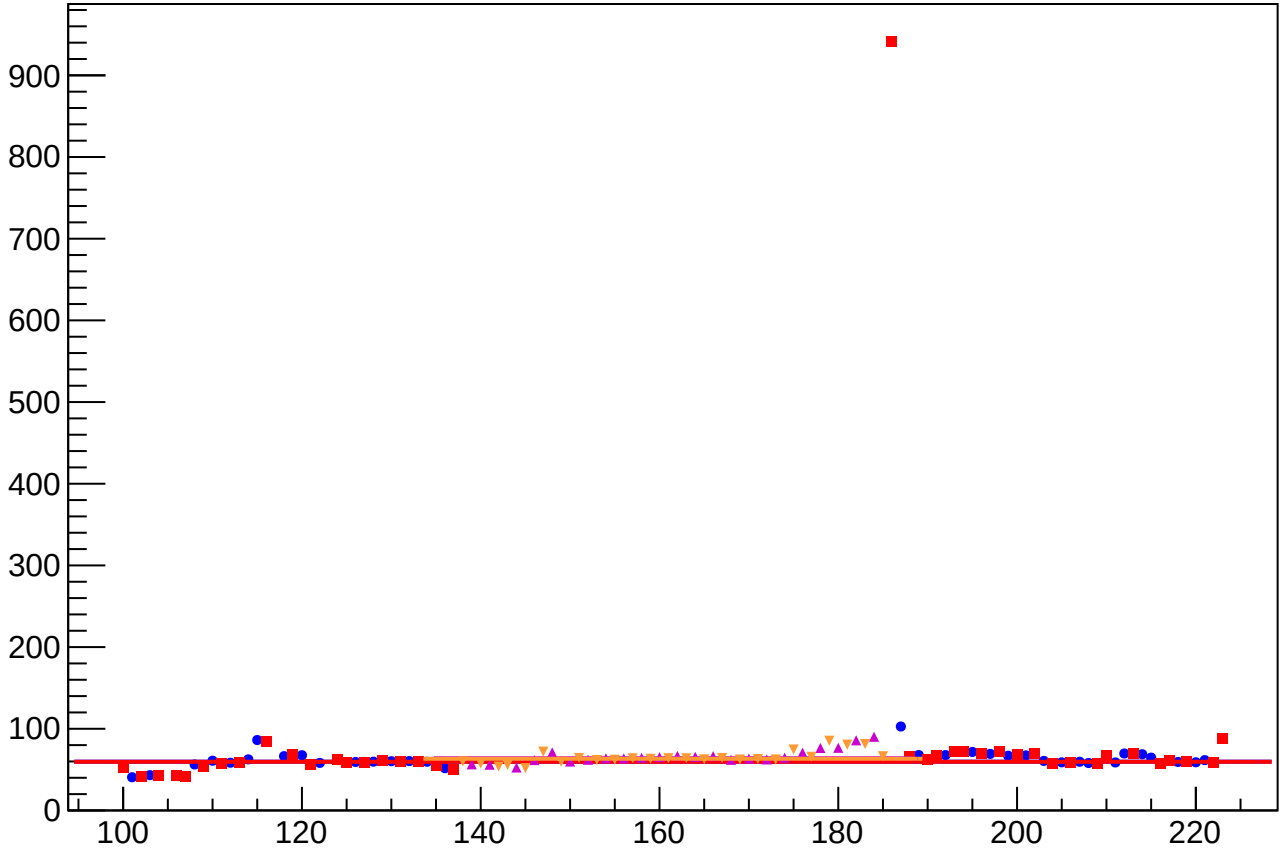
Right: 22.047+/-9.065 χ^2/NDF: 119.0/72

In: 26.293+/-9.782 χ^2/NDF:66.1/56

Out: 15.145+/-9.580 χ^2/NDF:110.1/63

All: 20.603+/-6.844 χ^2/NDF: 176.8/120

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

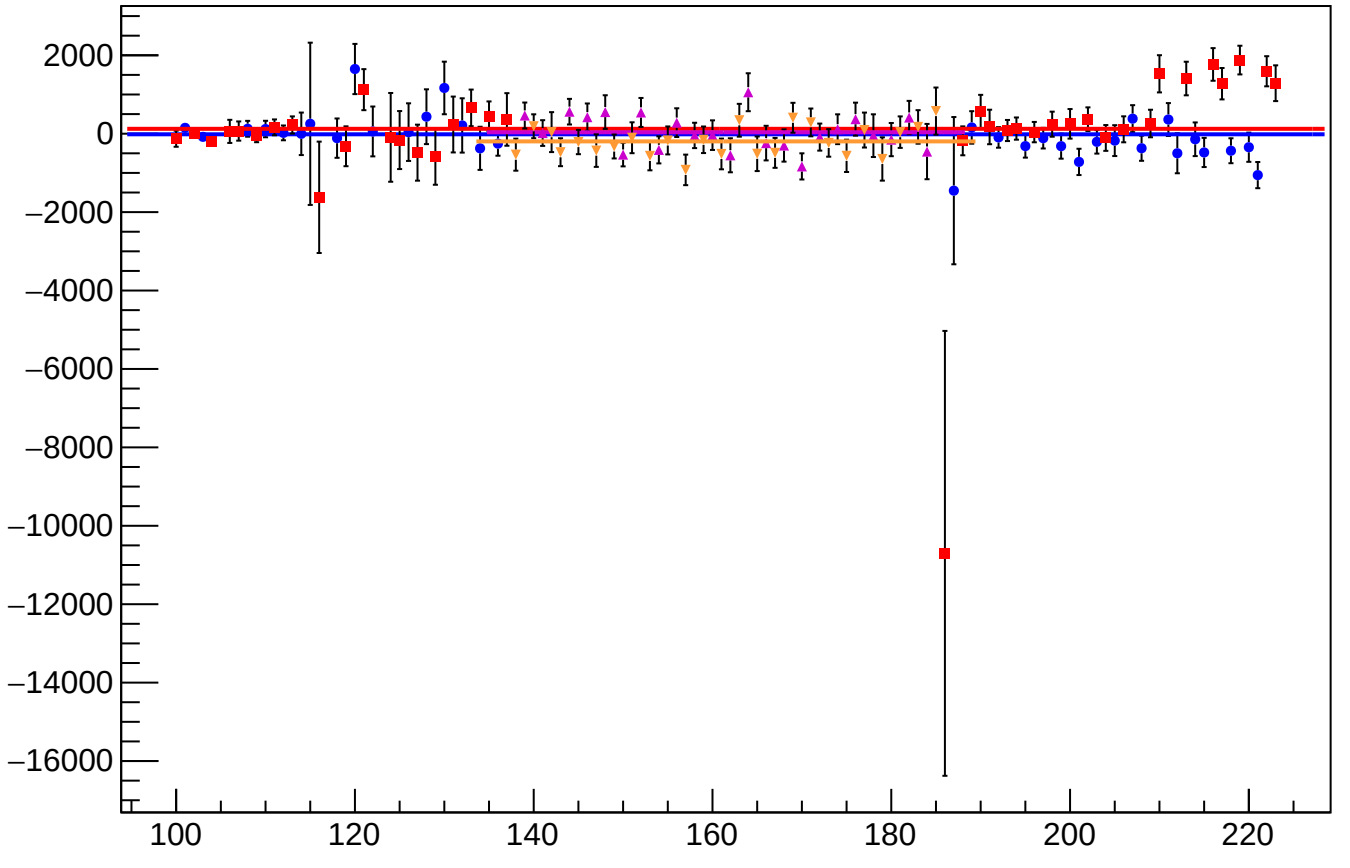
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.660+/-0.006 χ^2/NDF: 2696149.5/72

In: 61.497+/-0.007 χ^2/NDF:1399823.8/56

Out: 61.221+/-0.007 χ^2/NDF:2402717.2/63

All: 61.356+/-0.005 χ^2/NDF: 3803353.4/120



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

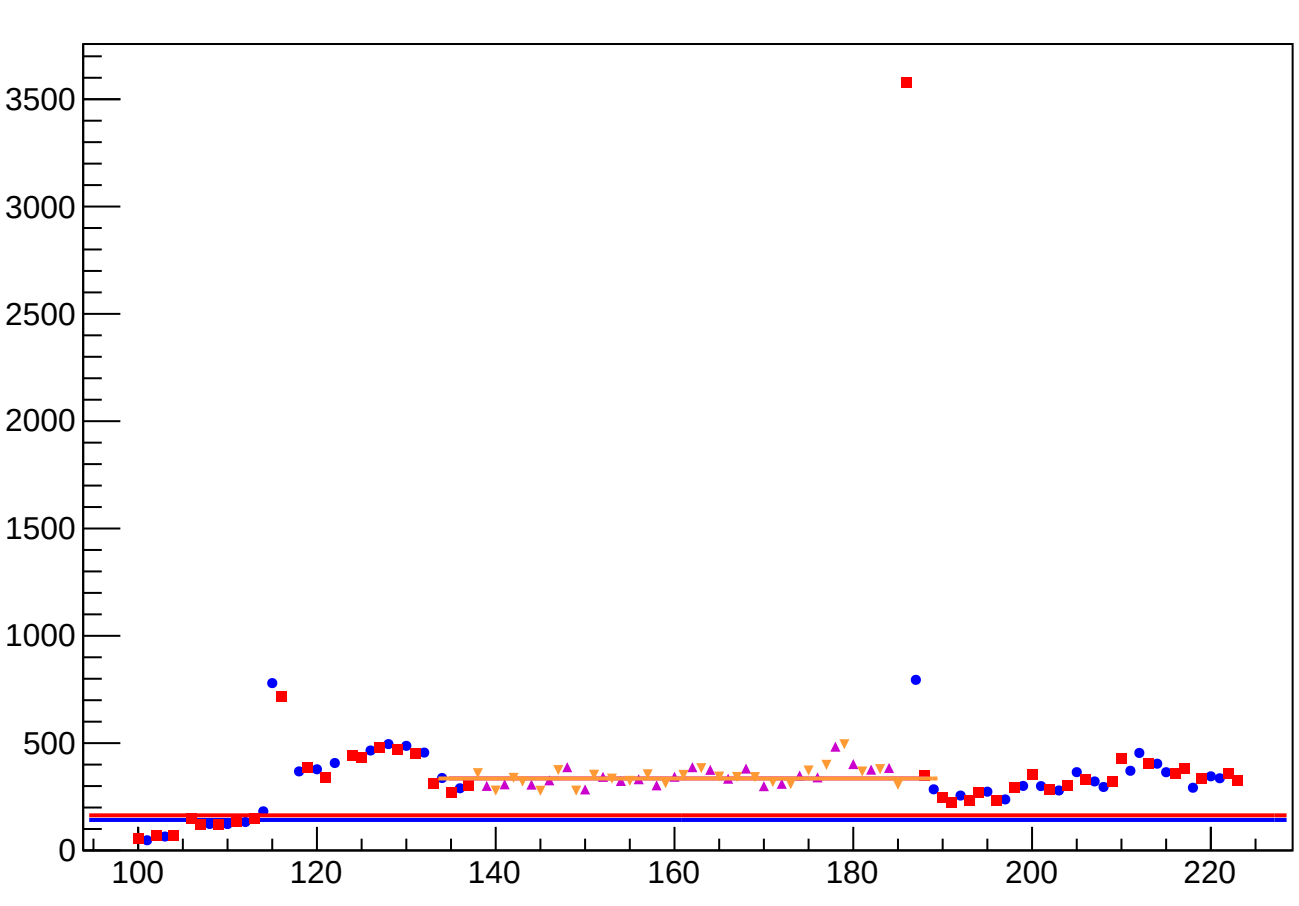
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 51.038+/-29.329 χ^2/NDF: 170.3/72

In: -4.564+/-36.001 χ^2/NDF:76.2/56

Out: 49.659+/-37.305 χ^2/NDF:153.7/63

All: 21.583+/-25.905 χ^2/NDF: 231.0/120



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

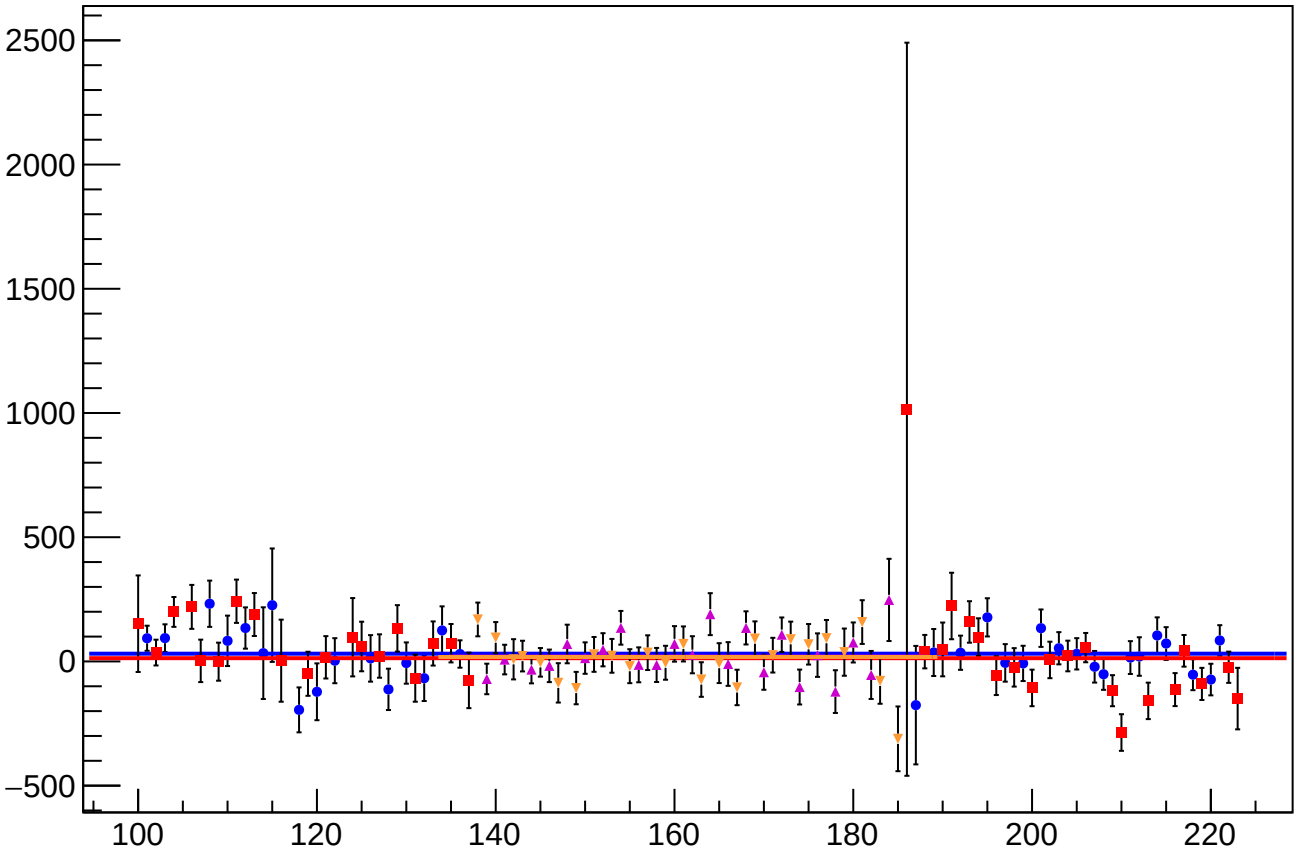
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 152.256+/-0.021 χ^2/NDF: 34210282.1/72

In: 182.024+/-0.025 χ^2/NDF:28293567.6/56

Out: 203.801+/-0.026 χ^2/NDF:23769202.6/63

All: 192.525+/-0.018 χ^2/NDF: 52415676.6/12



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

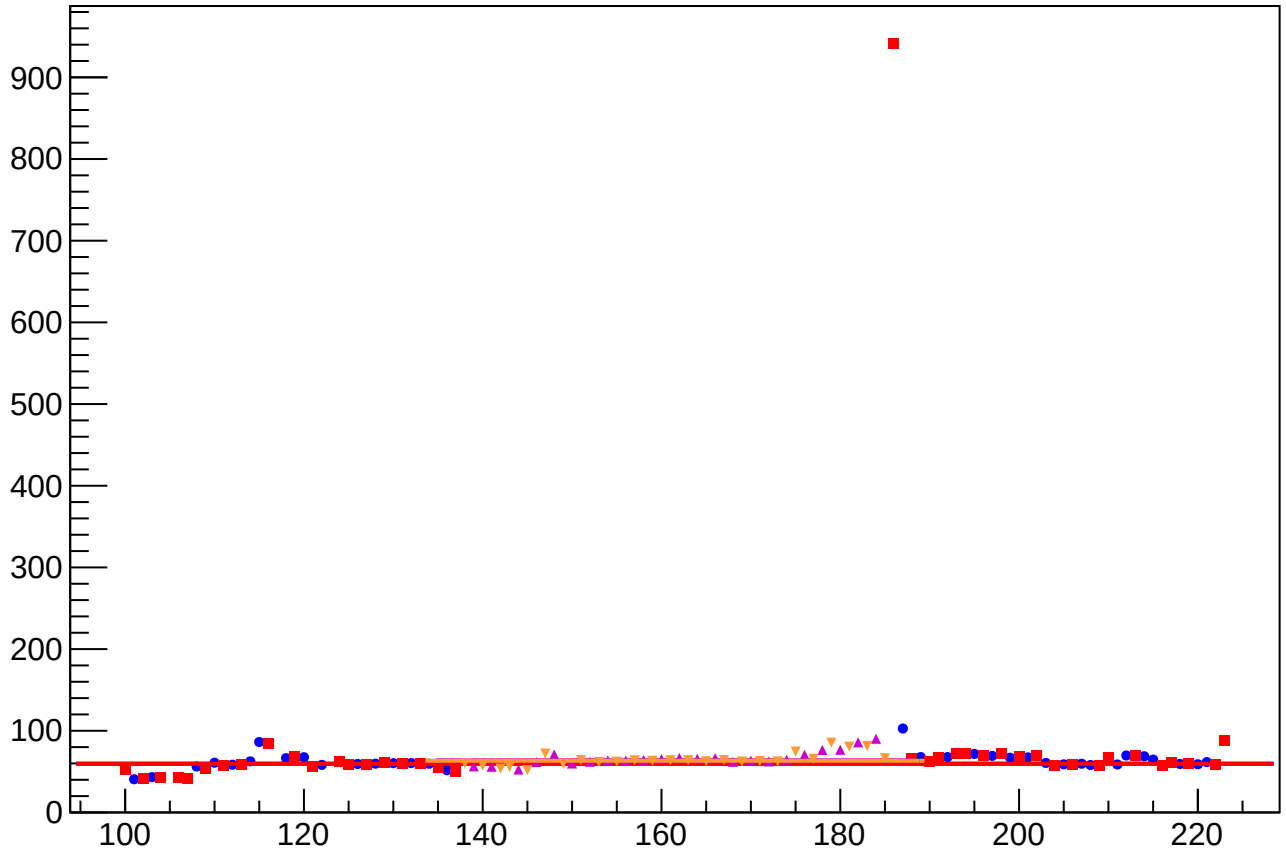
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 22.047+/-9.065 χ^2/NDF: 119.0/72

In: 26.293+/-9.782 χ^2/NDF:66.1/56

Out: 15.145+/-9.580 χ^2/NDF:110.1/63

All: 20.603+/-6.844 χ^2/NDF: 176.8/120



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

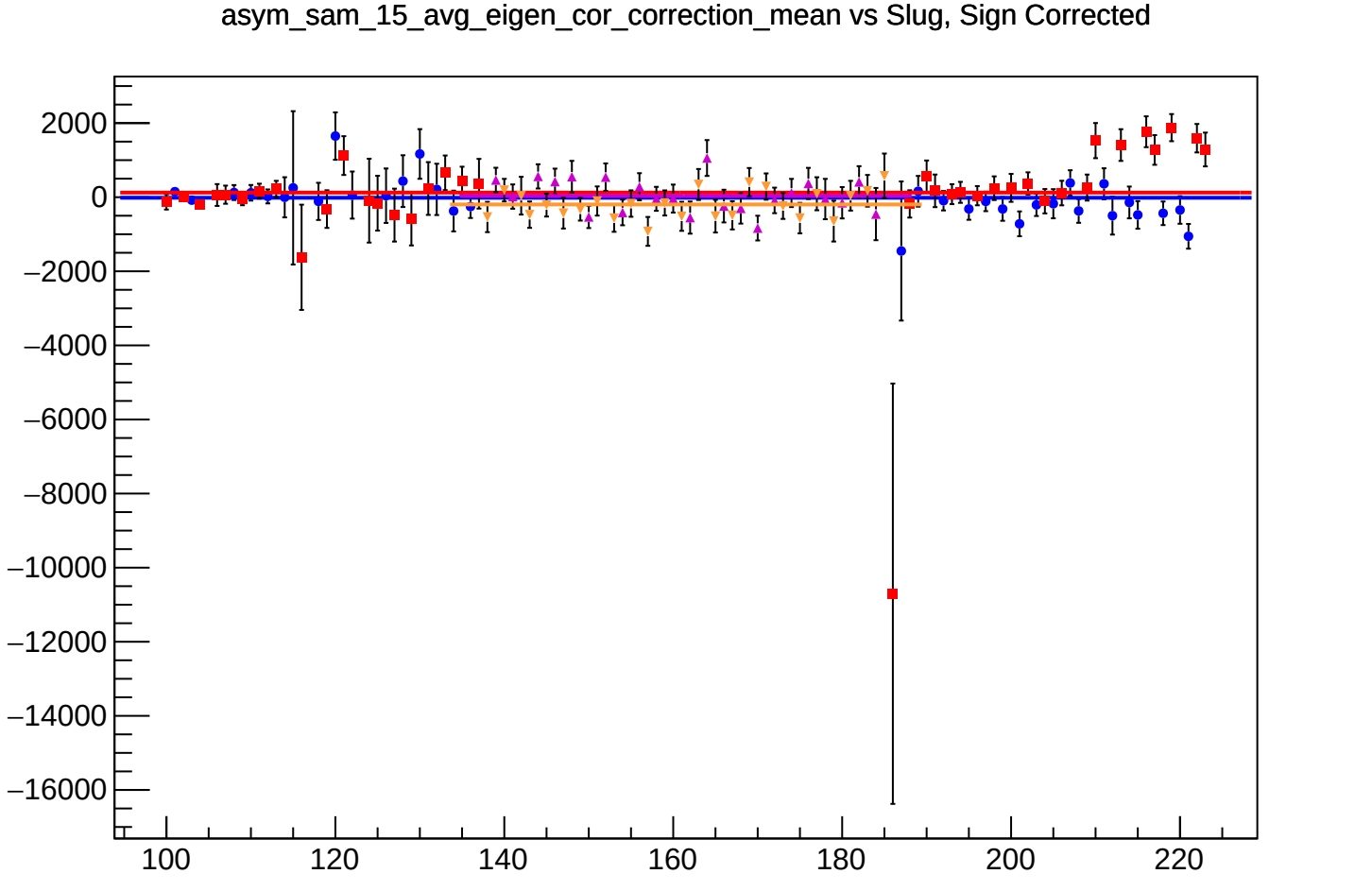
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.660+/-0.006 χ^2/NDF: 2696149.5/72

In: 61.497+/-0.007 χ^2/NDF:1399823.8/56

Out: 61.221+/-0.007 χ^2/NDF:2402717.2/63

All: 61.356+/-0.005 χ^2/NDF: 3803353.4/120



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

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

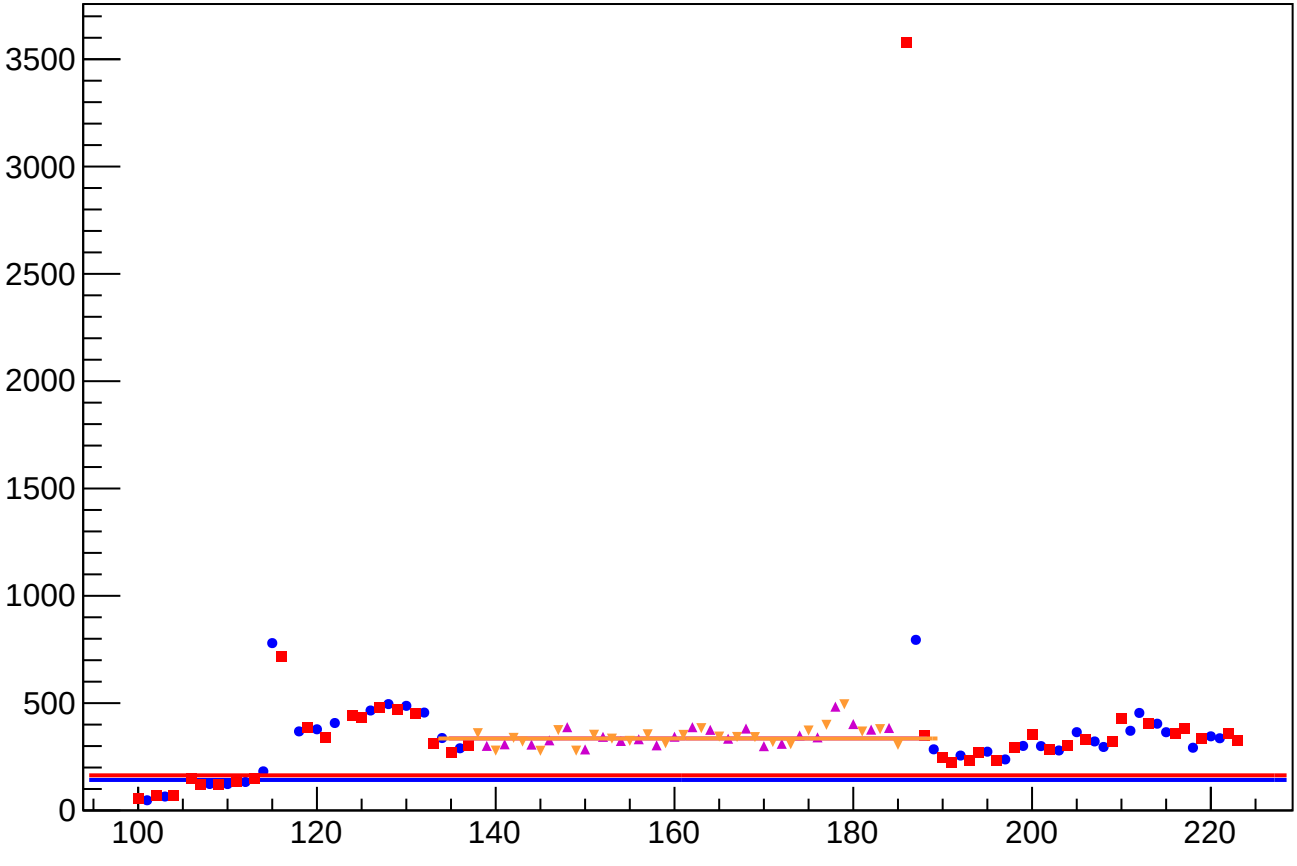
Right: 51.038+/-29.329 χ^2/NDF: 170.3/72

In: -4.564+/-36.001 χ^2/NDF:76.2/56

Out: 49.659+/-37.305 χ^2/NDF:153.7/63

All: 21.583+/-25.905 χ^2/NDF: 231.0/120

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

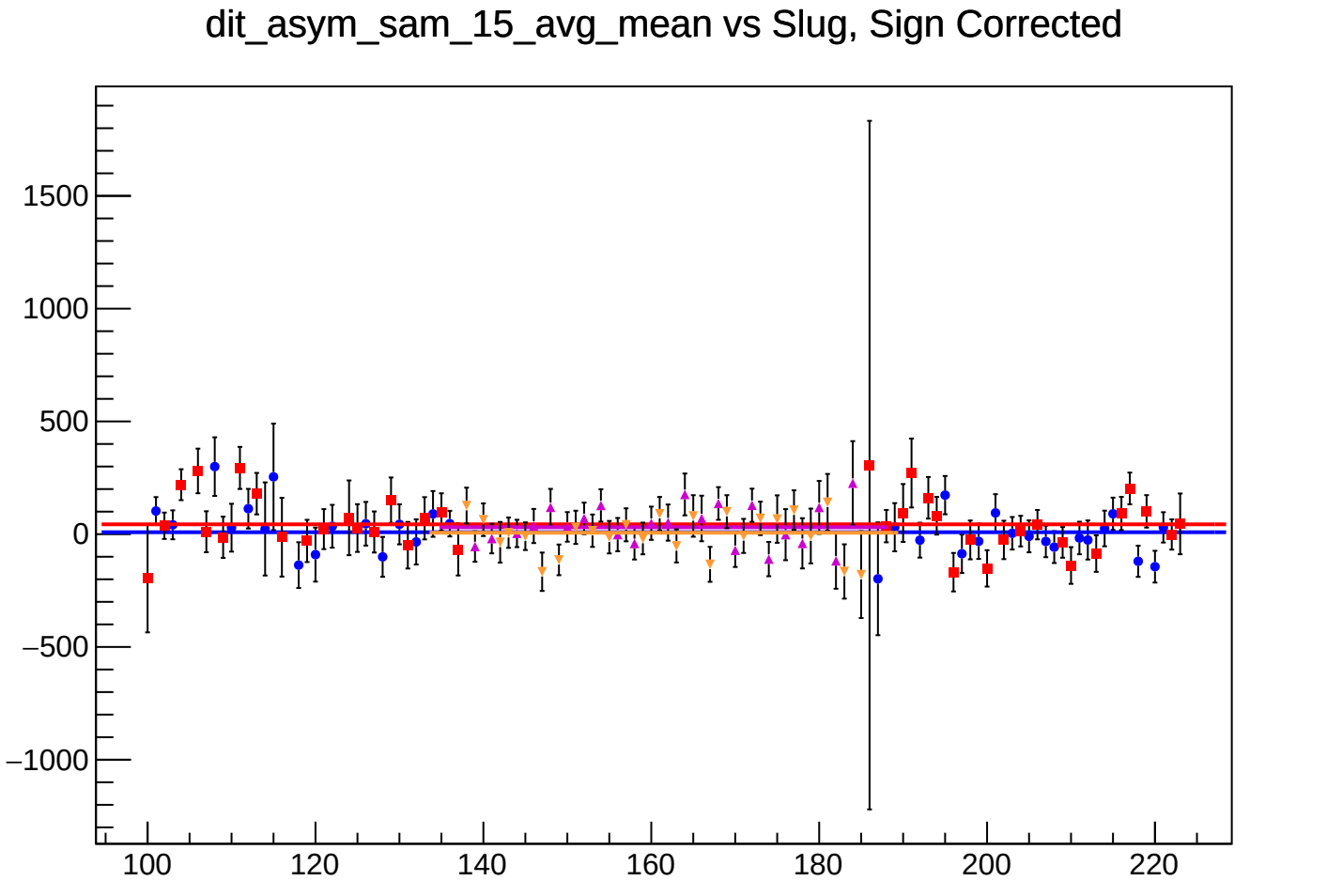
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 152.256+/-0.021 χ^2/NDF: 34210282.1/72

In: 182.024+/-0.025 χ^2/NDF:28293567.6/56

Out: 203.801+/-0.026 χ^2/NDF:23769202.6/63

All: 192.525+/-0.018 χ^2/NDF: 52415676.6/12



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

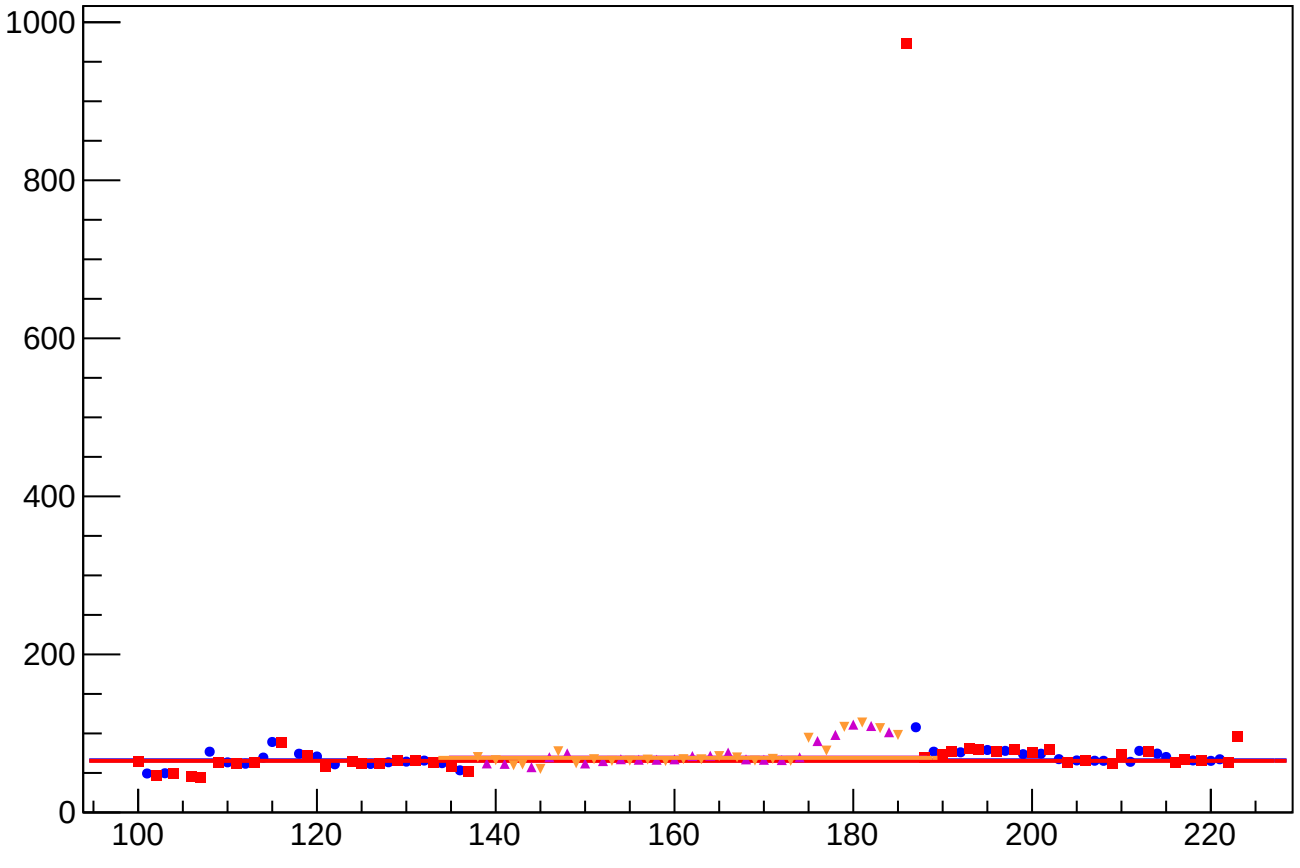
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 26.491+/-9.979 χ^2/NDF: 98.6/72

In: 18.057+/-10.776 χ^2/NDF:58.0/56

Out: 27.546+/-10.530 χ^2/NDF:89.1/63

All: 22.911+/-7.531 χ^2/NDF: 147.5/120



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

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

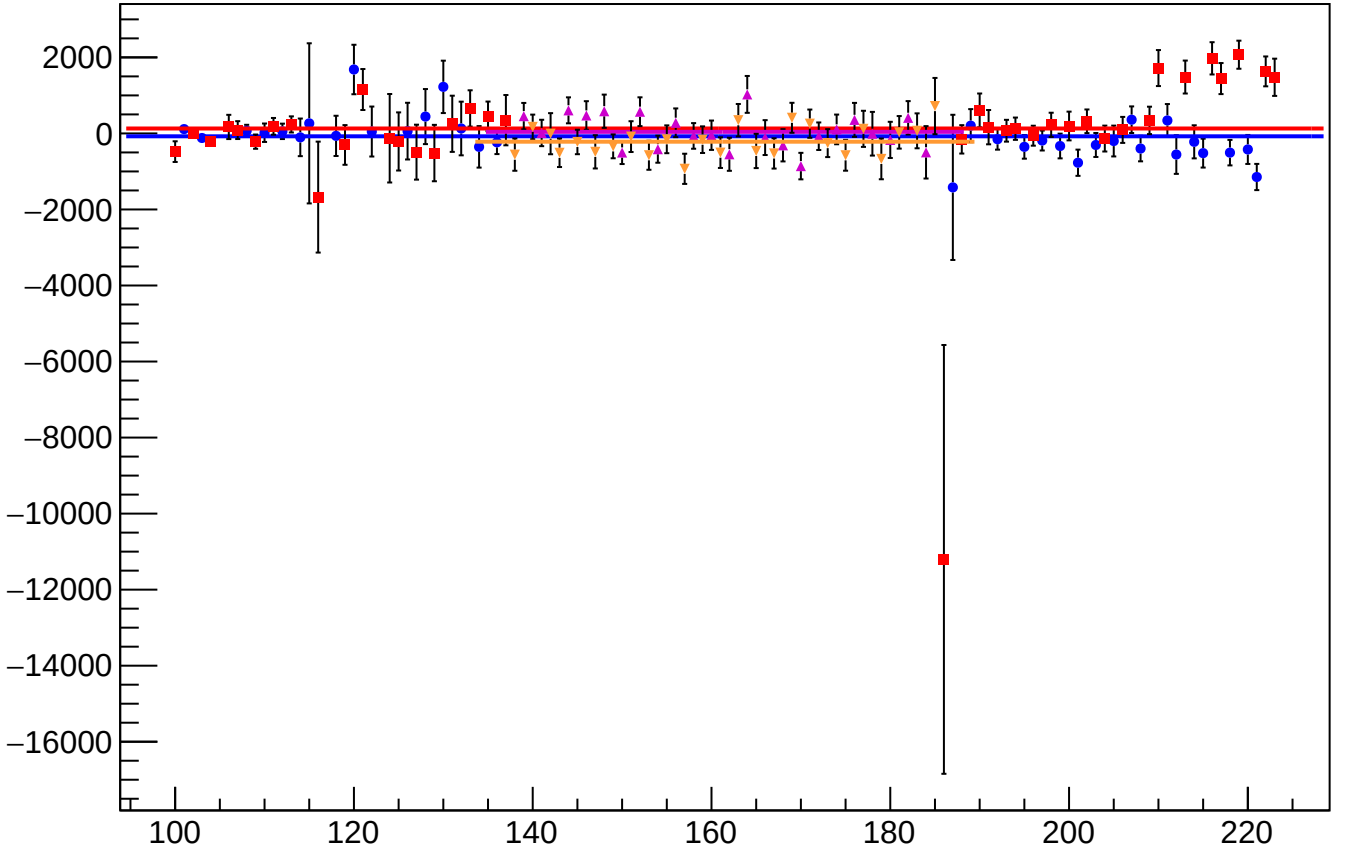
Right: 65.633+/-0.007 χ^2/NDF: 2584388.5/72

In: 67.462+/-0.008 χ^2/NDF:1733128.5/56

Out: 66.931+/-0.007 χ^2/NDF:2961077.6/63

All: 67.190+/-0.005 χ^2/NDF: 4696694.9/120

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



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

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

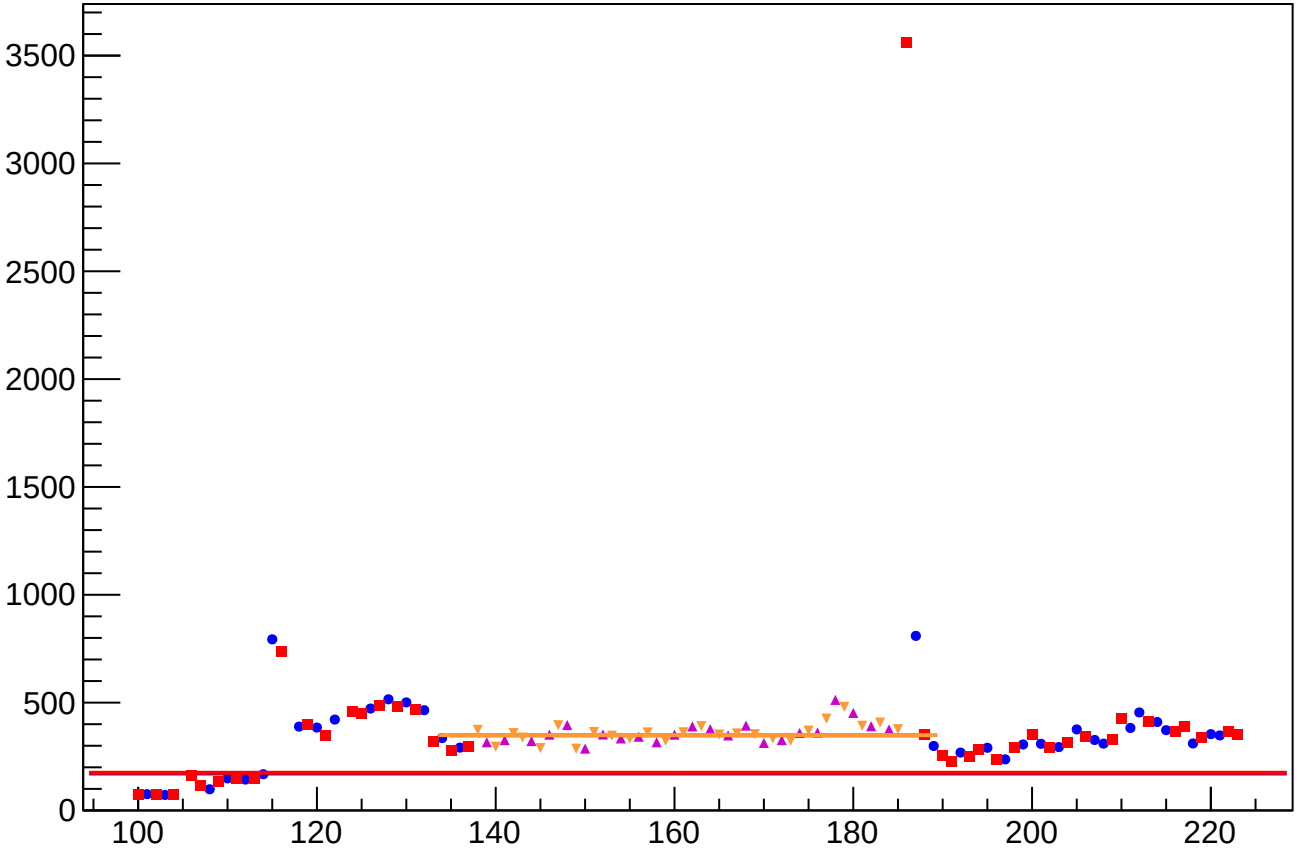
Right: 28.115+/-31.803 χ^2/NDF: 193.4/72

In: -48.514+/-39.639 χ^2/NDF:74.5/56

Out: 47.210+/-39.050 χ^2/NDF:173.6/63

All: 0.065+/-27.818 χ^2/NDF: 251.1/120

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



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

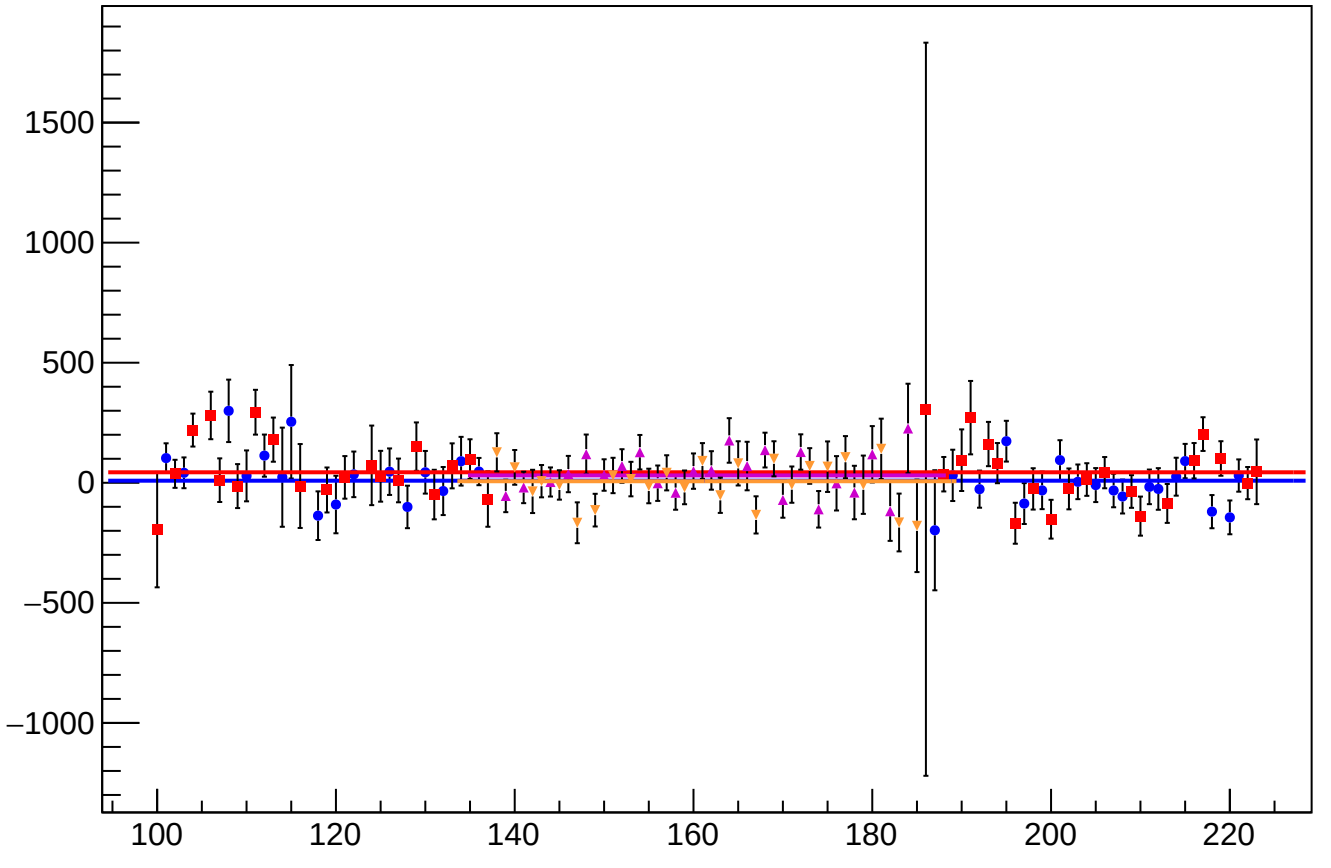
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 173.179+/-0.022 χ^2/NDF: 29597284.6/72

In: 212.726+/-0.028 χ^2/NDF:22481789.7/56

Out: 216.119+/-0.028 χ^2/NDF:22495783.6/63

All: 214.448+/-0.020 χ^2/NDF: 44985011.8/12



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

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

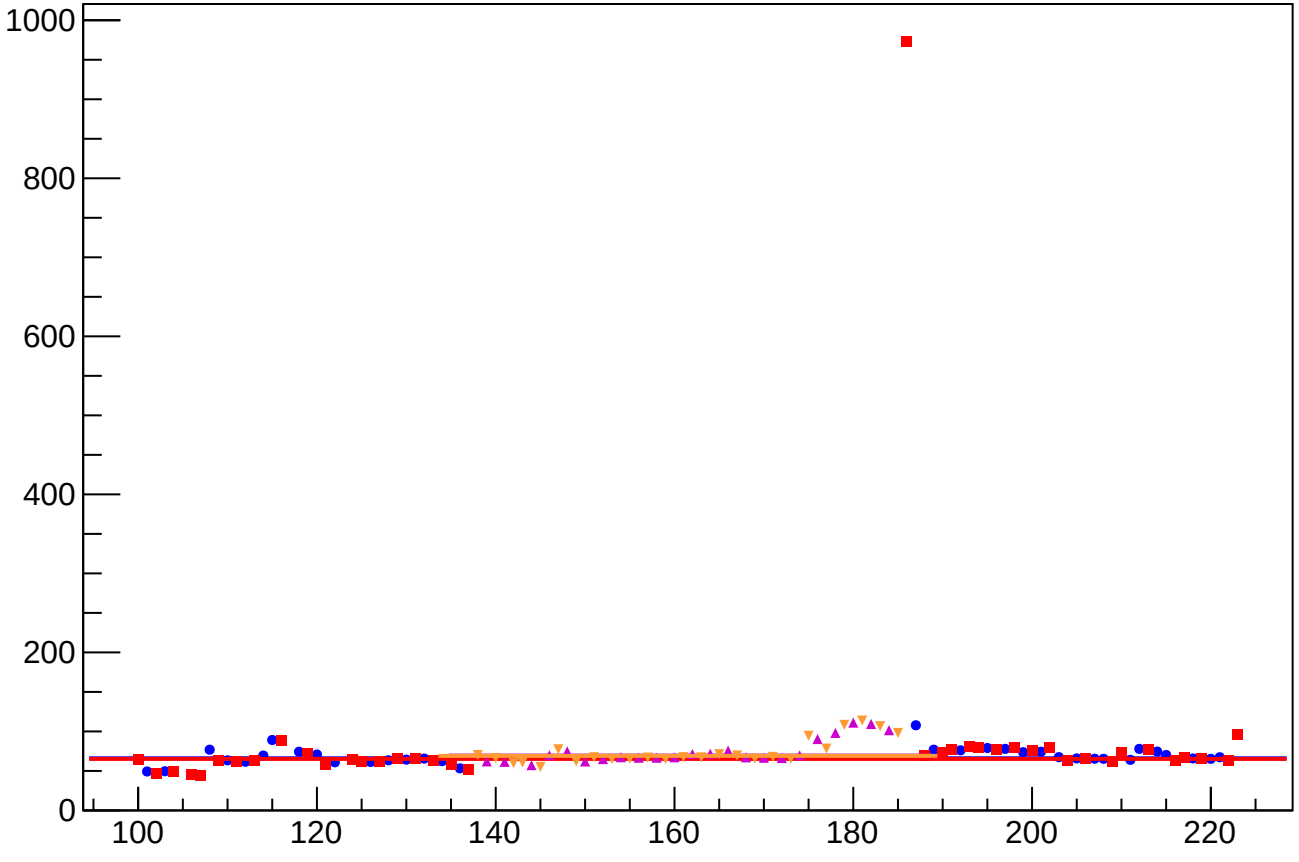
Right: 26.490+/-9.979 χ^2/NDF: 98.6/72

In: 18.057+/-10.776 χ^2/NDF:58.0/56

Out: 27.545+/-10.530 χ^2/NDF:89.1/63

All: 22.911+/-7.531 χ^2/NDF: 147.5/120

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

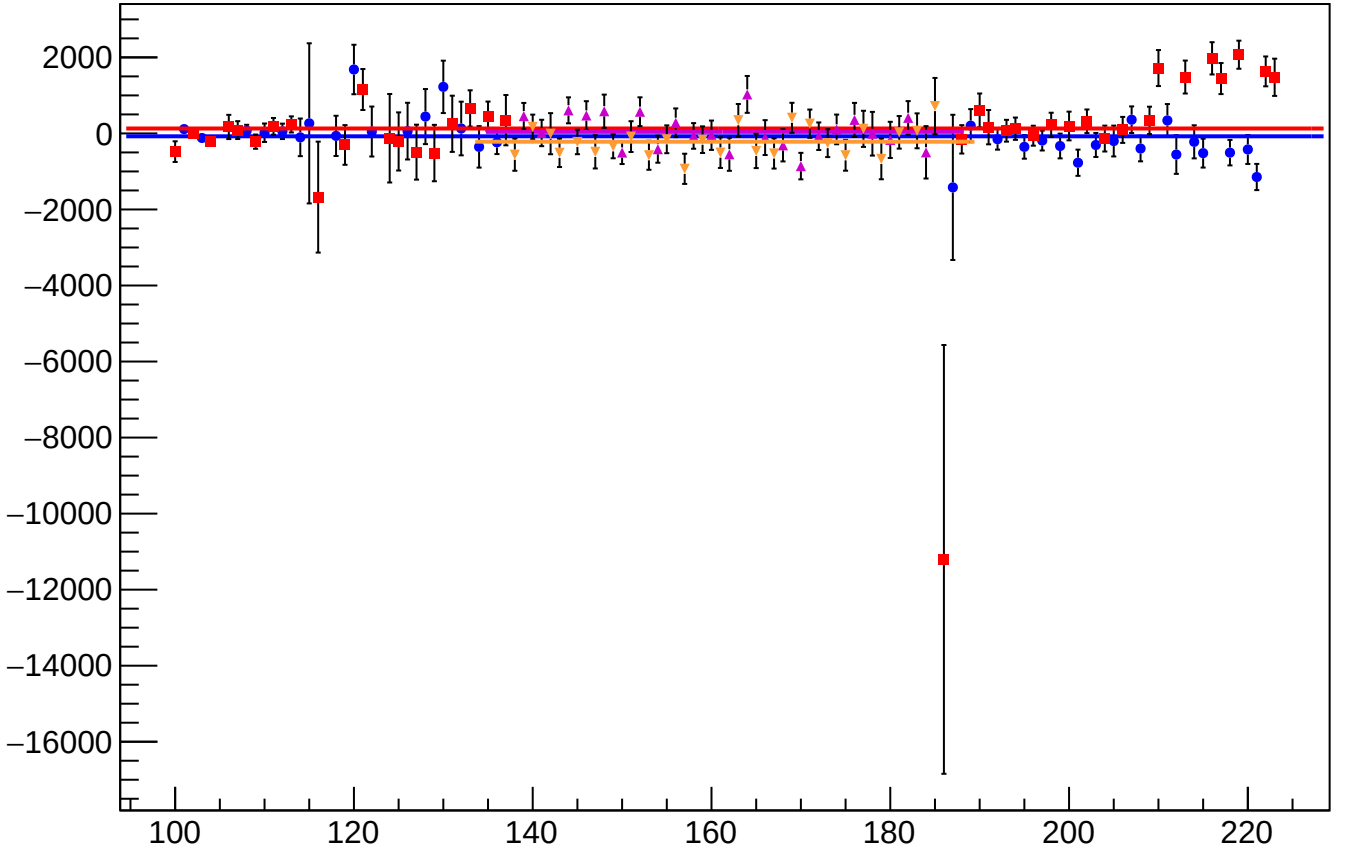
Right: 65.633+/-0.007 χ^2/NDF: 2584385.5/72

In: 67.462+/-0.008 χ^2/NDF:1733117.7/56

Out: 66.931+/-0.007 χ^2/NDF:2961064.9/63

All: 67.190+/-0.005 χ^2/NDF: 4696671.6/120

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

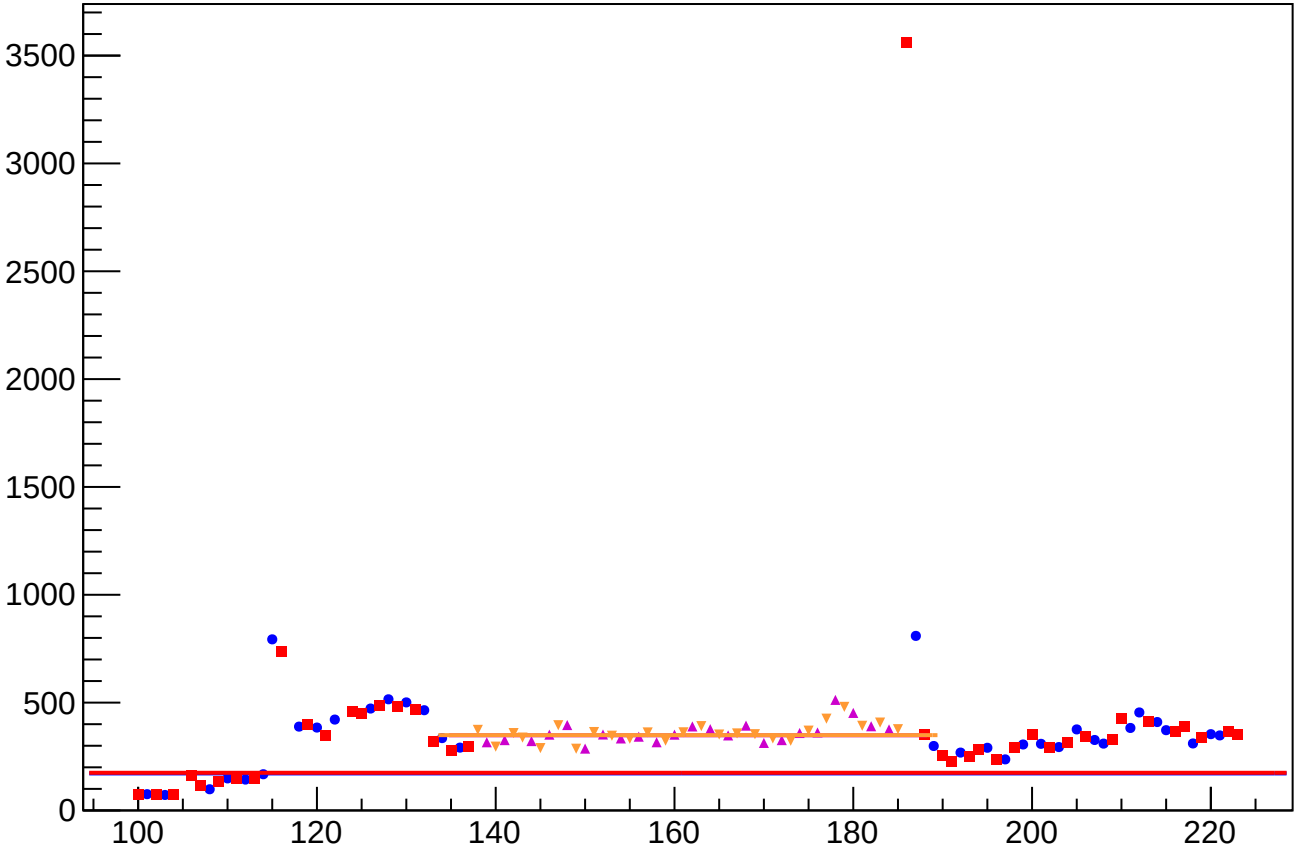
Right: 28.115+/-31.803 χ^2/NDF: 193.4/72

In: -48.514+/-39.639 χ^2/NDF:74.5/56

Out: 47.210+/-39.050 χ^2/NDF:173.6/63

All: 0.065+/-27.818 χ^2/NDF: 251.1/120

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

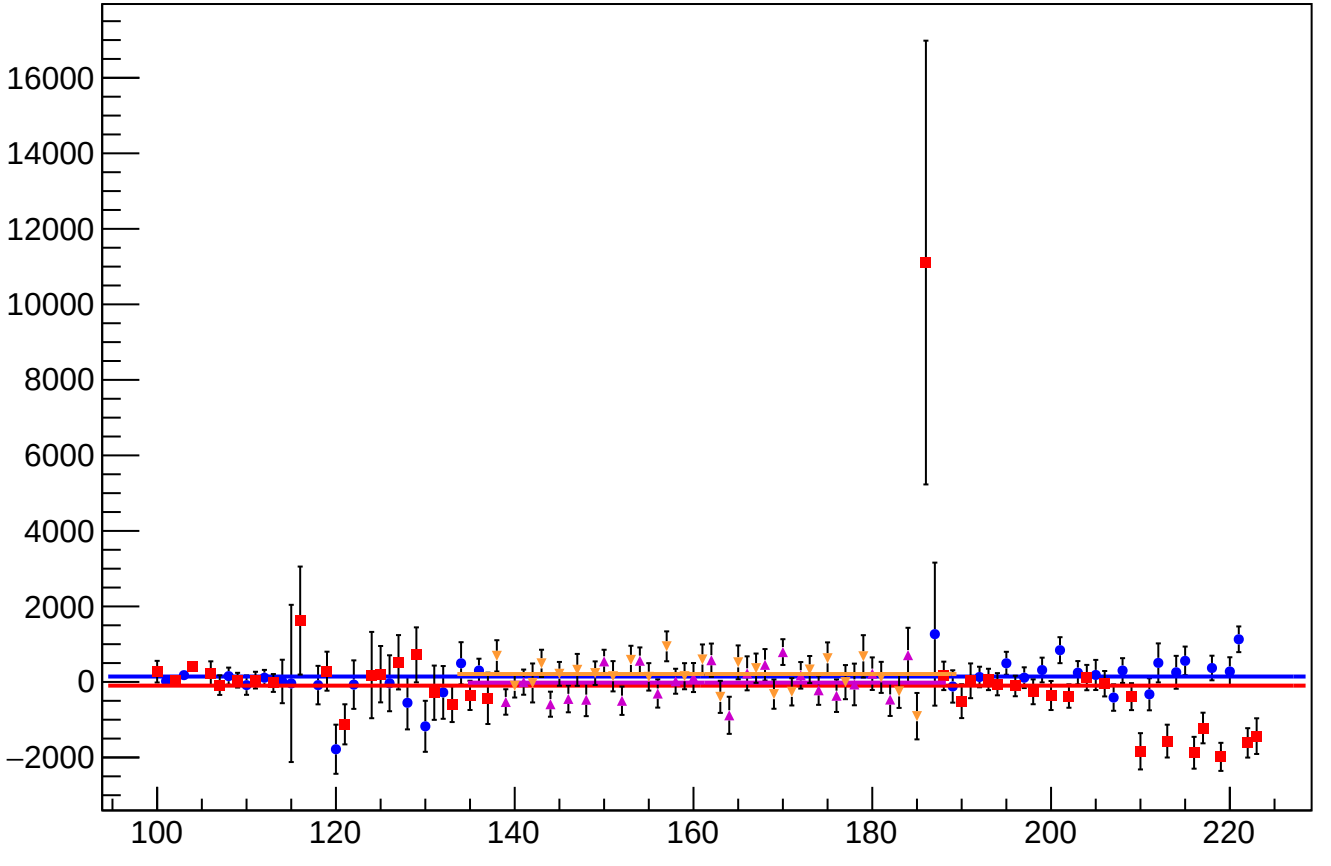
Right: 173.178+/-0.022 χ^2/NDF: 29597340.6/72

In: 212.726+/-0.028 χ^2/NDF:22481859.4/56

Out: 216.119+/-0.028 χ^2/NDF:22495889.7/63

All: 214.448+/-0.020 χ^2/NDF: 44985187.0/12

asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

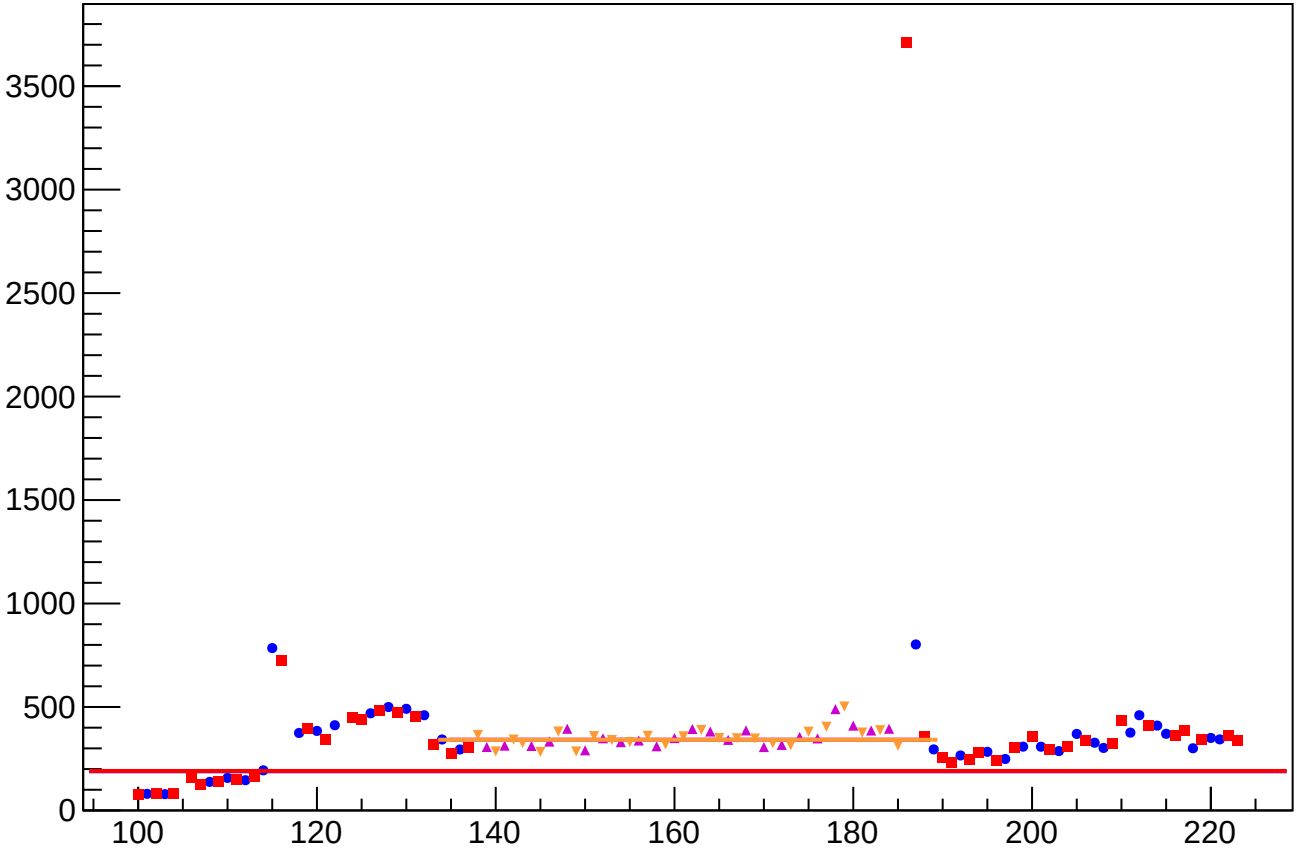
Right: 20.545+/-33.876 χ^2/NDF: 193.5/72

In: 100.603+/-41.483 χ^2/NDF:73.7/56

Out: -15.502+/-40.619 χ^2/NDF:174.7/63

All: 41.328+/-29.023 χ^2/NDF: 252.5/120

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

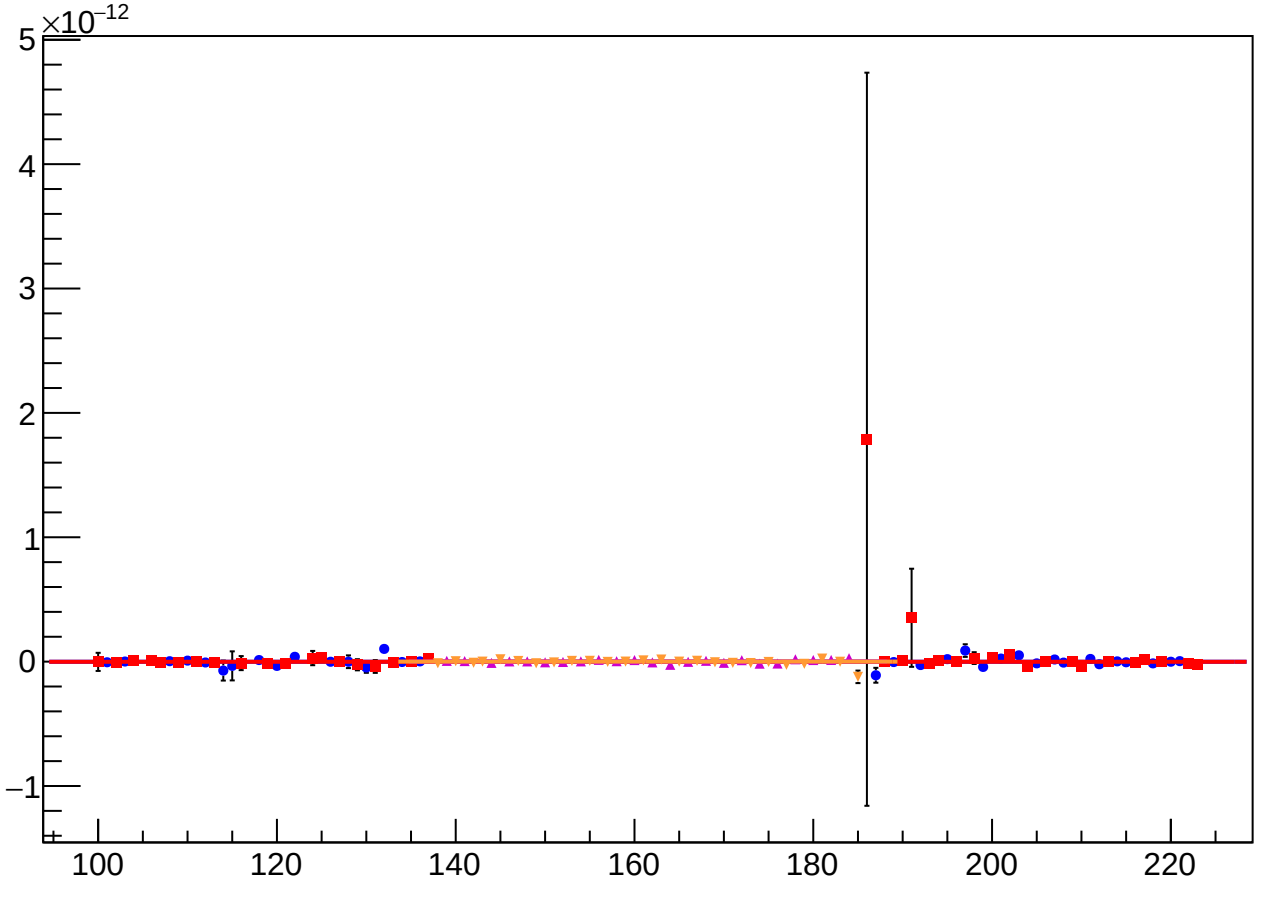
Right: 190.054+/-0.024 χ^2/NDF: 25688762.2/72

In: 229.598+/-0.029 χ^2/NDF:18599677.6/56

Out: 231.182+/-0.029 χ^2/NDF:18796311.6/63

All: 230.406+/-0.021 χ^2/NDF: 37397478.2/12

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

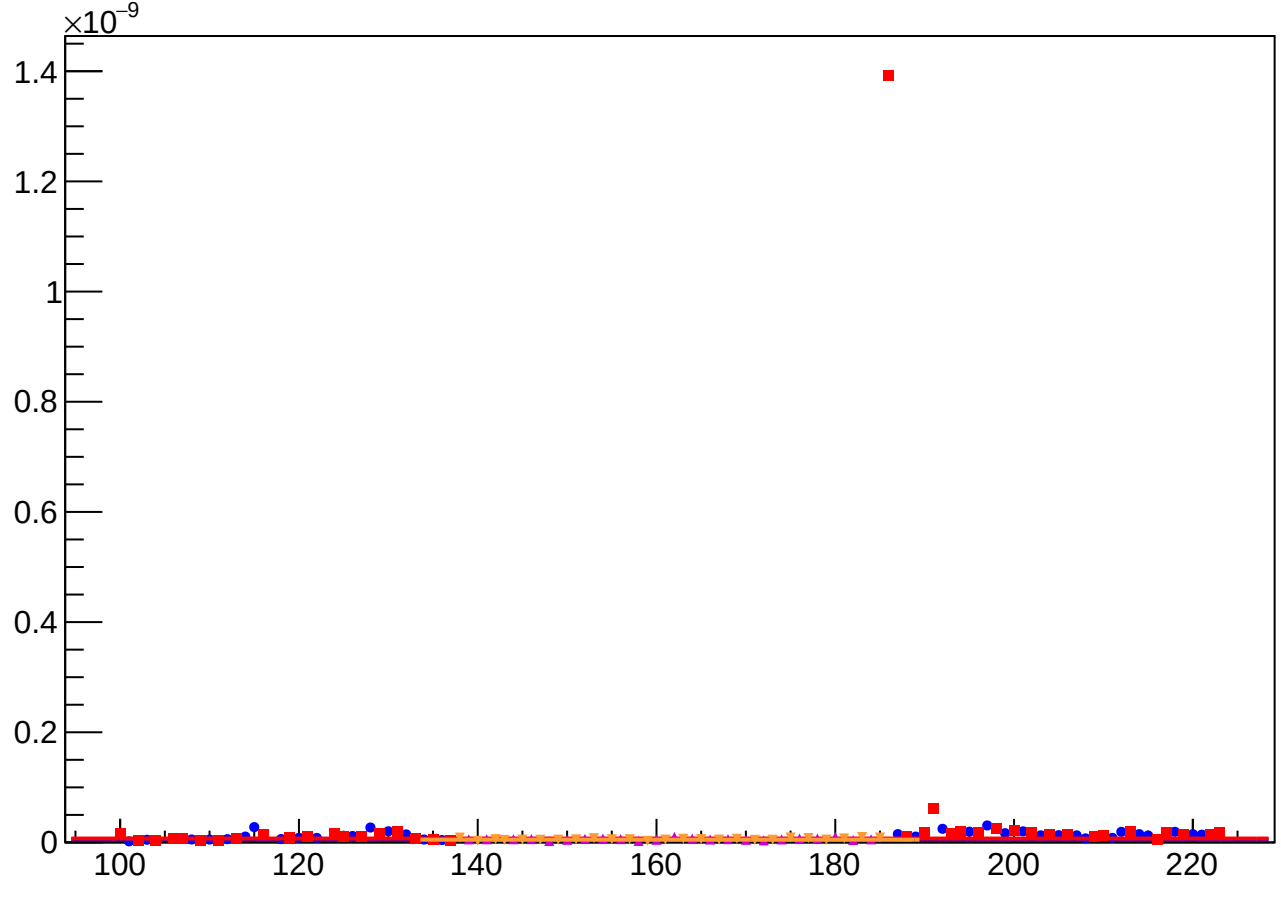
Right: -0.000+/-0.000 χ^2/NDF: 64.5/72

In: 0.000+/-0.000 χ^2/NDF:59.2/56

Out: -0.000+/-0.000 χ^2/NDF:54.9/63

All: -0.000+/-0.000 χ^2/NDF: 114.2/120

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

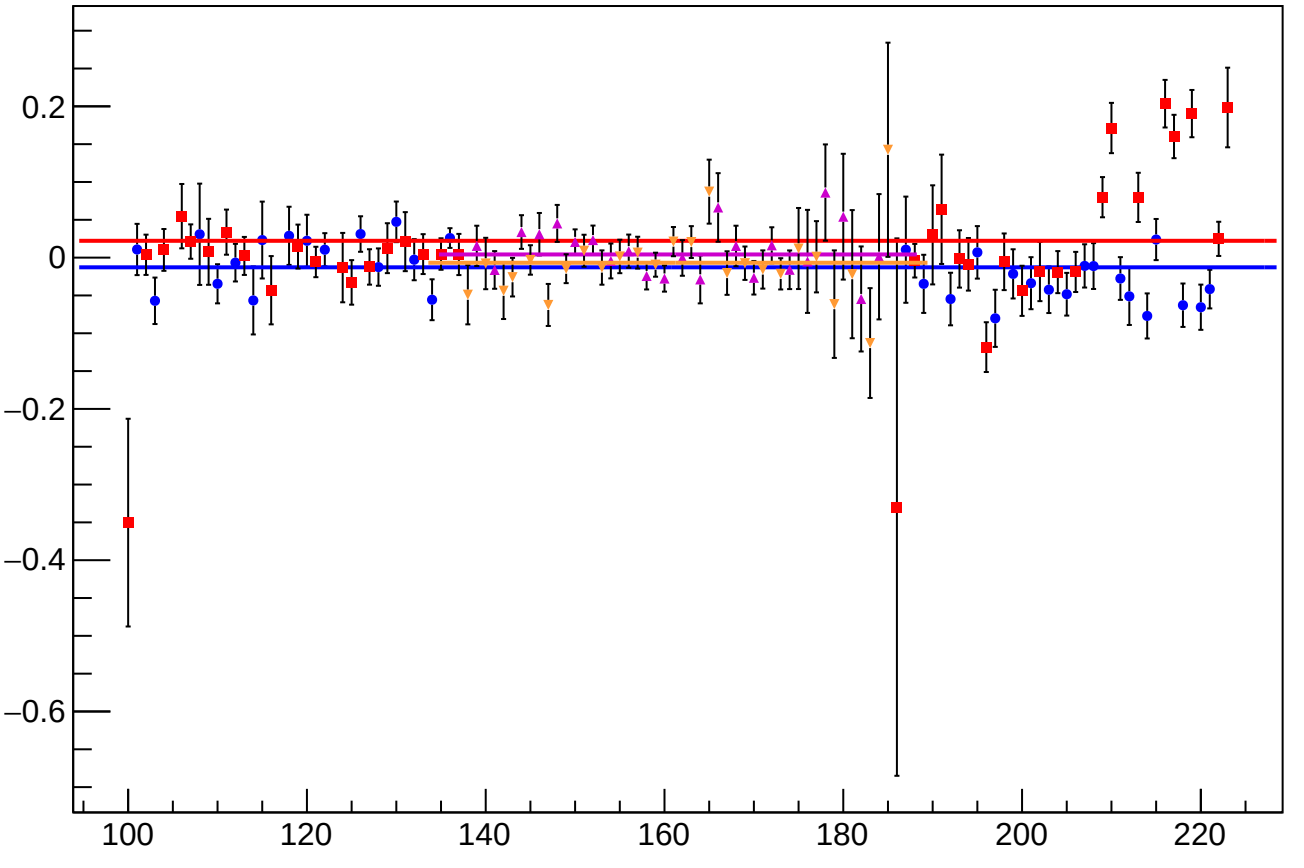
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15620243.9/72

In: 0.000+/-0.000 χ^2/NDF:9818164.3/56

Out: 0.000+/-0.000 χ^2/NDF:8634932.1/63

All: 0.000+/-0.000 χ^2/NDF: 18586145.6/120



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

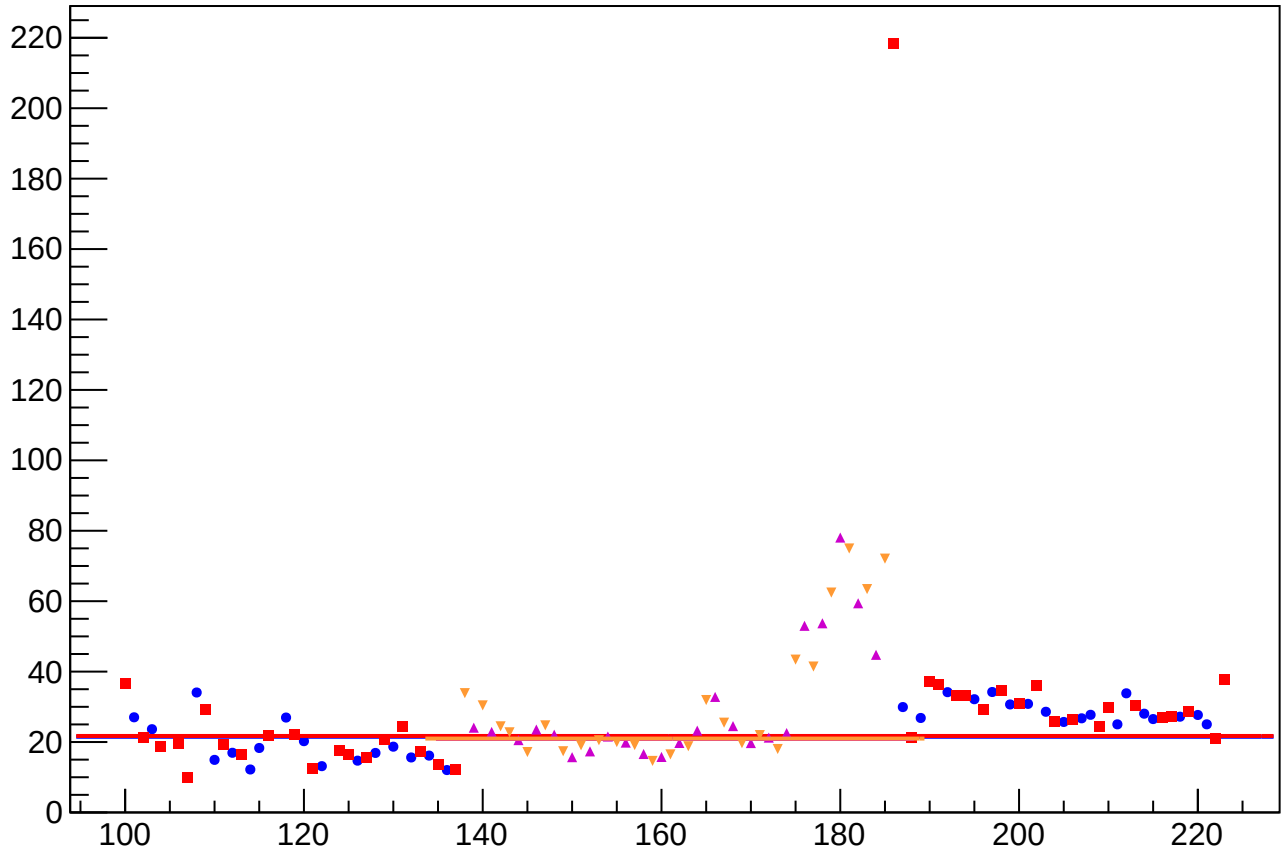
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.005+/-0.003 χ^2/NDF: 256.0/72

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.009+/-0.004 χ^2/NDF:216.7/63

All: 0.002+/-0.003 χ^2/NDF: 304.6/120



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

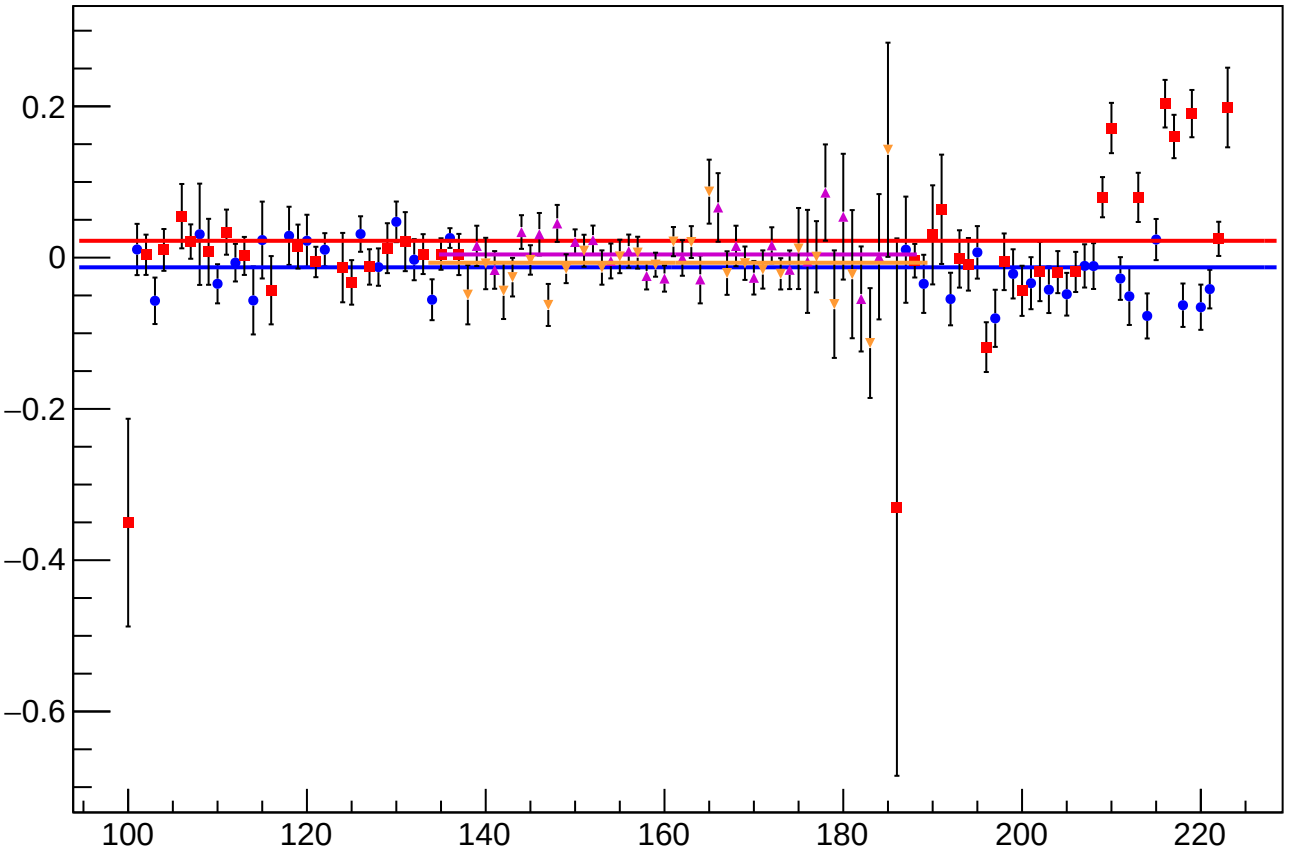
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.611+/-0.002 χ^2/NDF: 8970255.6/72

In: 21.205+/-0.003 χ^2/NDF:7756948.7/56

Out: 21.373+/-0.003 χ^2/NDF:9249817.8/63

All: 21.290+/-0.002 χ^2/NDF: 17008949.9/120



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

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

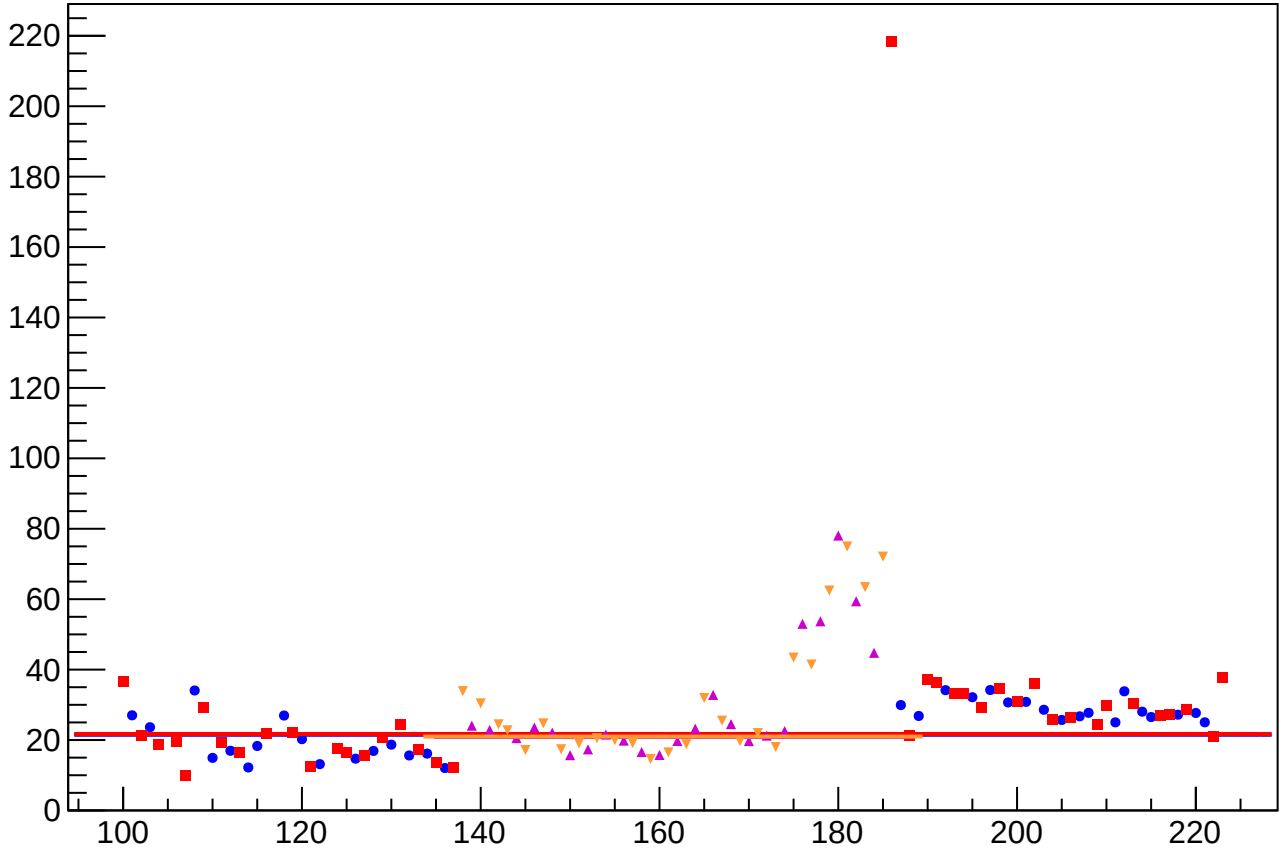
Right: 0.005+/-0.003 χ^2/NDF: 256.0/72

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.009+/-0.004 χ^2/NDF:216.7/63

All: 0.002+/-0.003 χ^2/NDF: 304.6/120

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

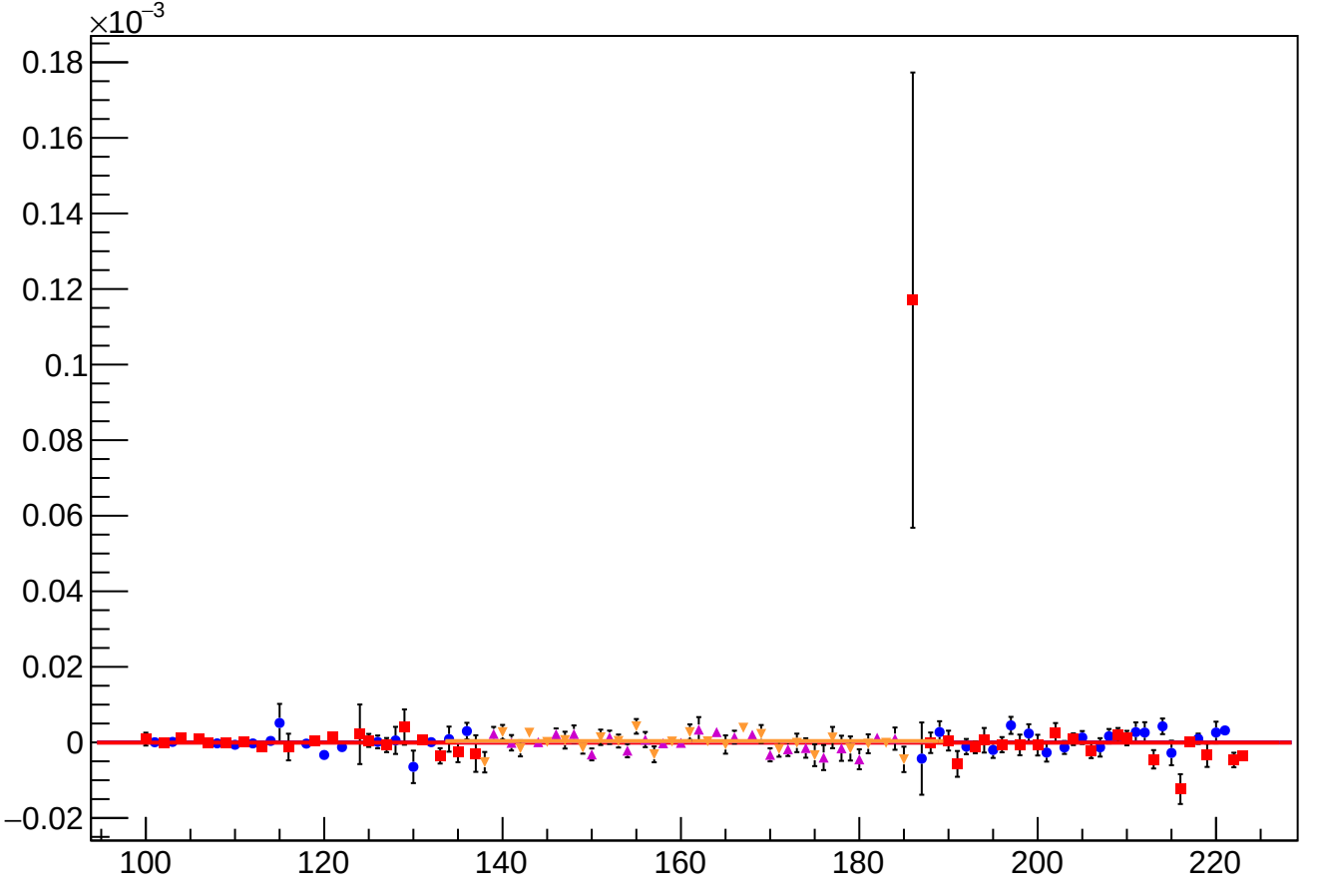
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.611+/-0.002 χ^2/NDF: 8970255.6/72

In: 21.205+/-0.003 χ^2/NDF:7756948.7/56

Out: 21.373+/-0.003 χ^2/NDF:9249817.8/63

All: 21.290+/-0.002 χ^2/NDF: 17008949.9/120



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

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

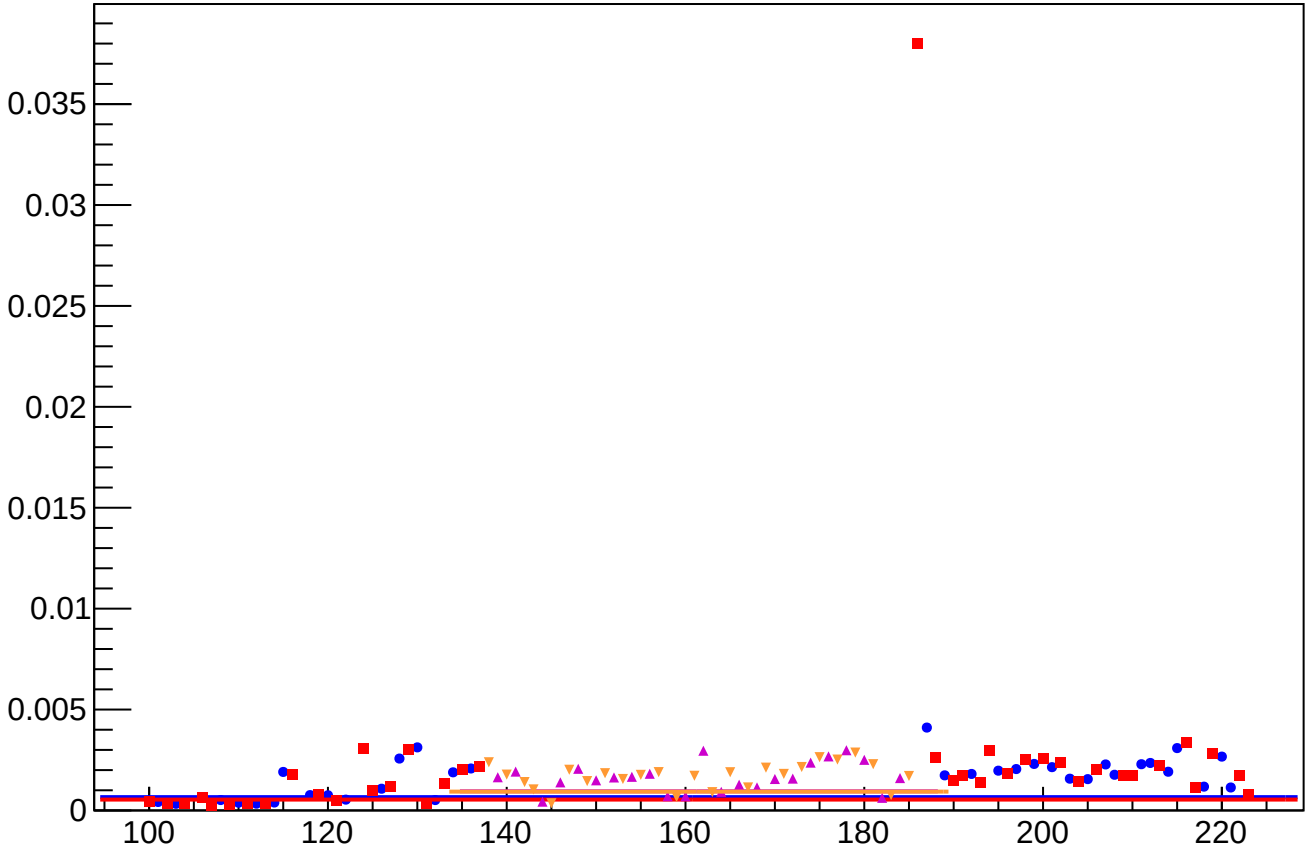
Right: -0.000+/-0.000 χ^2/NDF: 103.3/72

In: 0.000+/-0.000 χ^2/NDF:73.7/56

Out: 0.000+/-0.000 χ^2/NDF:98.0/63

All: 0.000+/-0.000 χ^2/NDF: 171.6/120

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

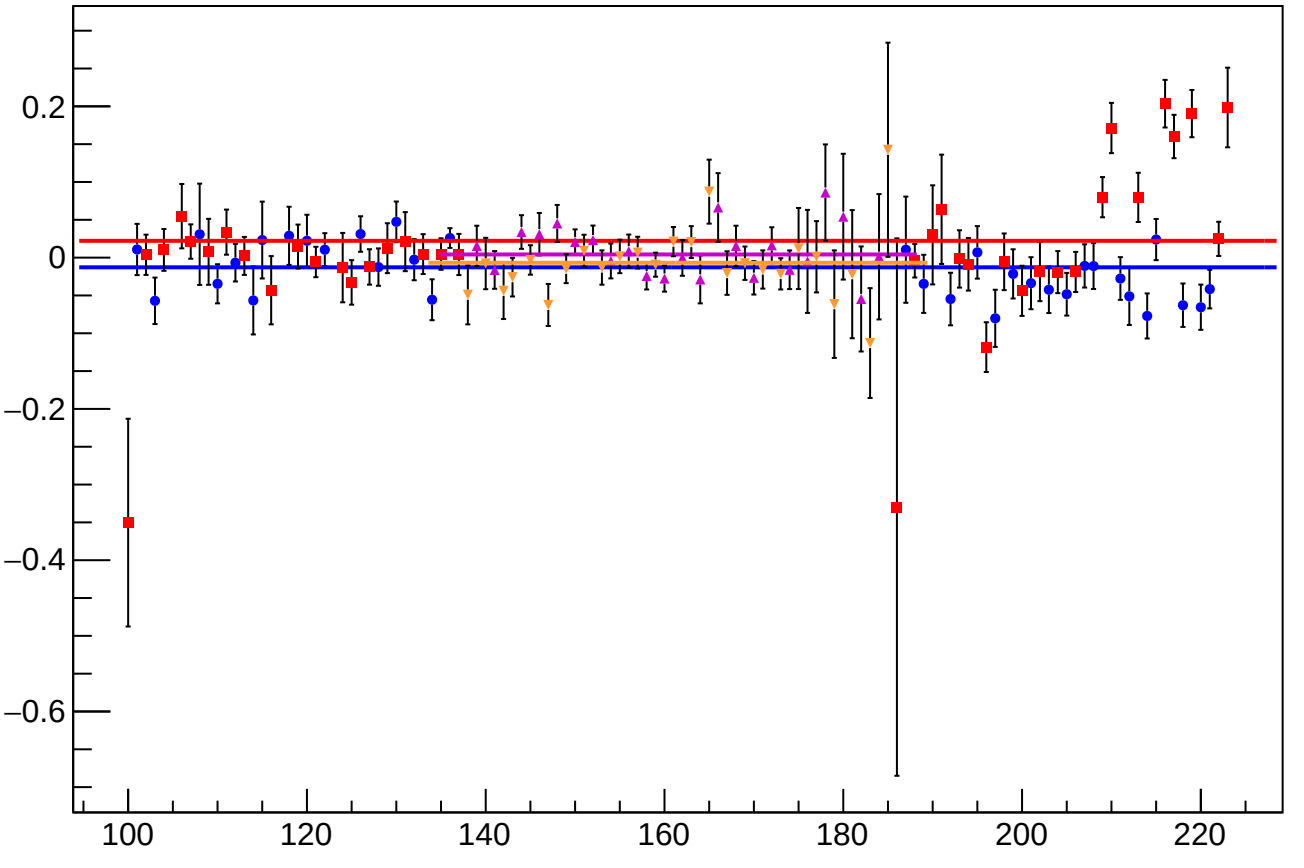
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 39808275.0/72

In: 0.001+/-0.000 χ^2/NDF:28913475.4/56

Out: 0.001+/-0.000 χ^2/NDF:36752754.9/63

All: 0.001+/-0.000 χ^2/NDF: 66247662.7/120



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

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

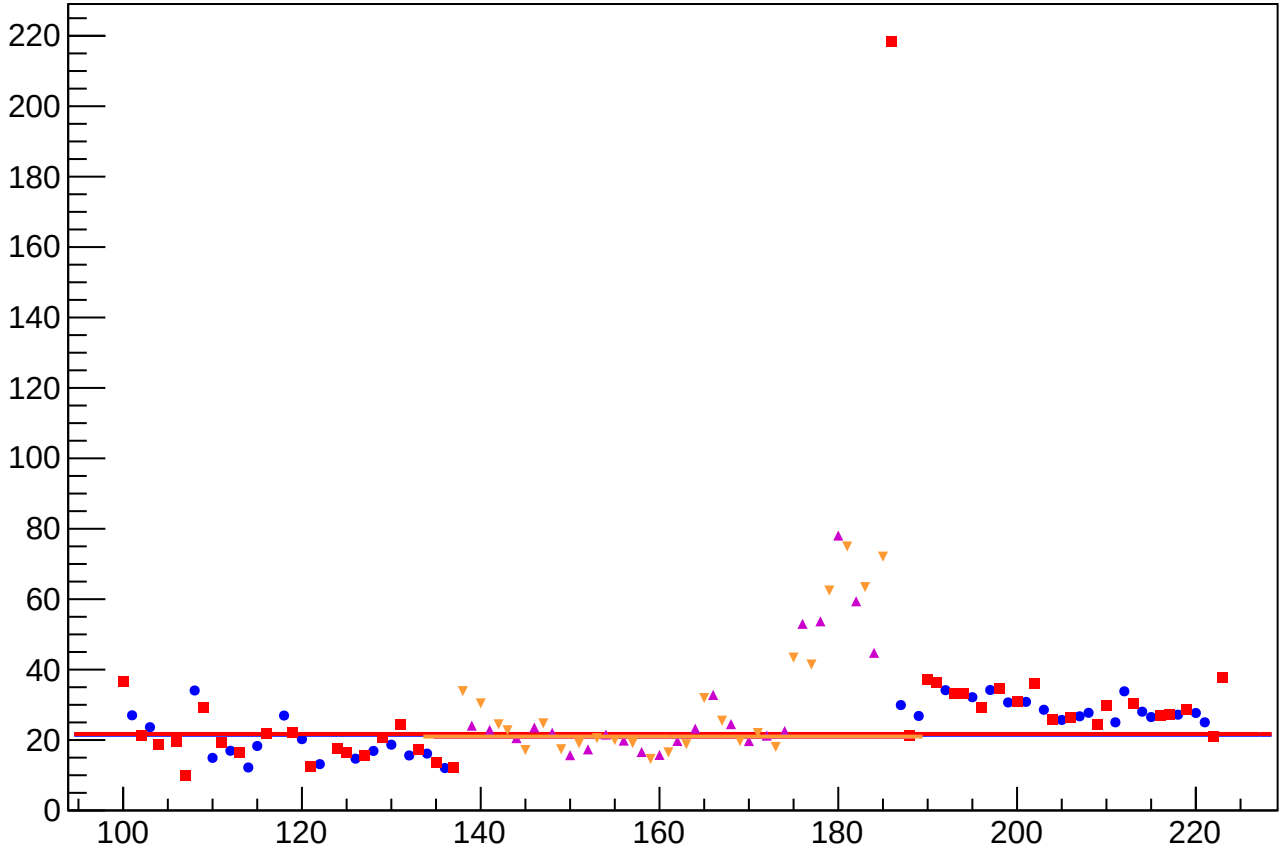
Right: 0.005+/-0.003 χ^2/NDF: 256.0/72

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.009+/-0.004 χ^2/NDF:216.7/63

All: 0.002+/-0.003 χ^2/NDF: 304.6/120

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

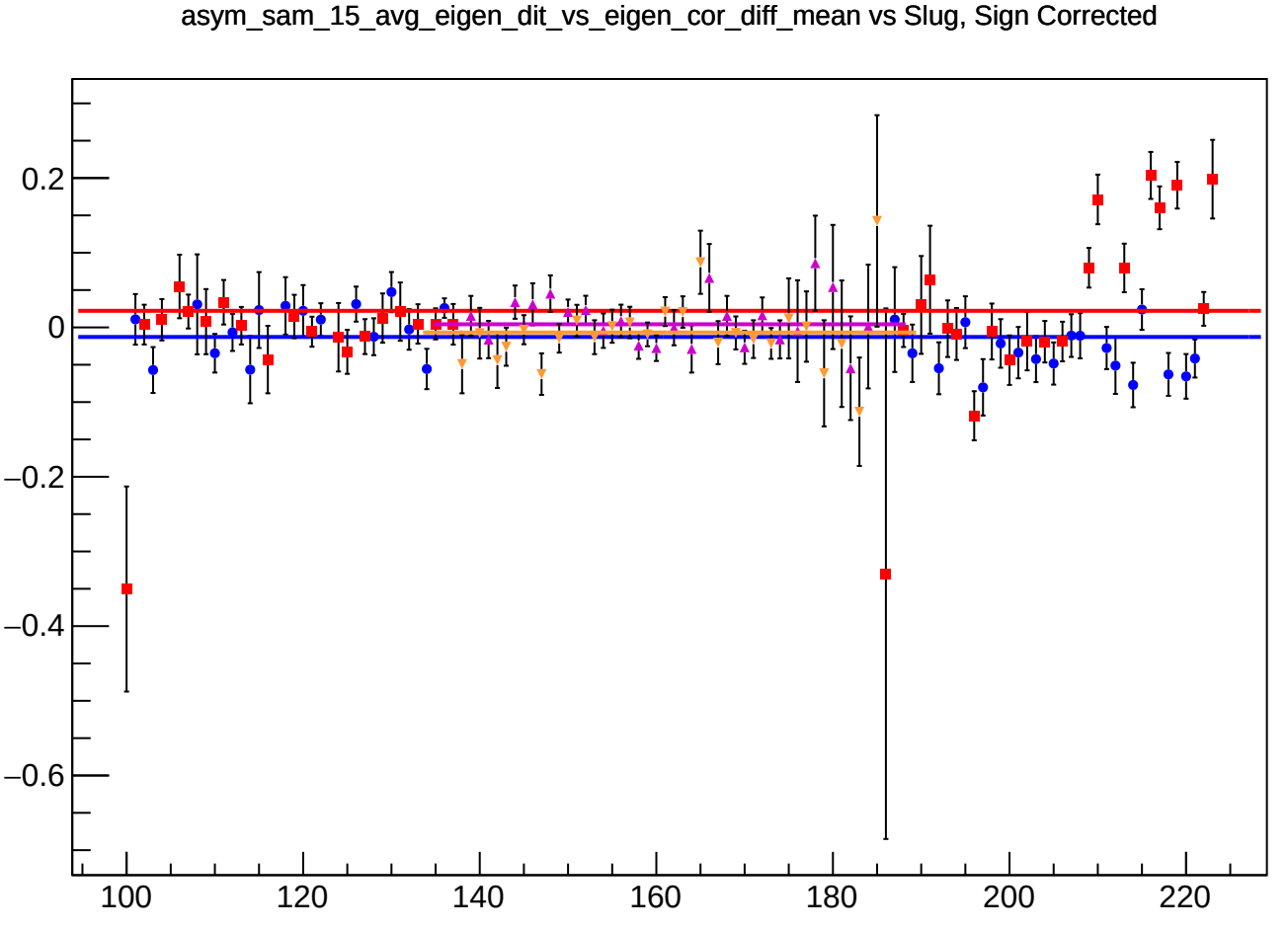
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.610+/-0.002 χ^2/NDF: 8970245.1/72

In: 21.205+/-0.003 χ^2/NDF:7756962.3/56

Out: 21.373+/-0.003 χ^2/NDF:9249774.7/63

All: 21.290+/-0.002 χ^2/NDF: 17008920.0/120



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

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

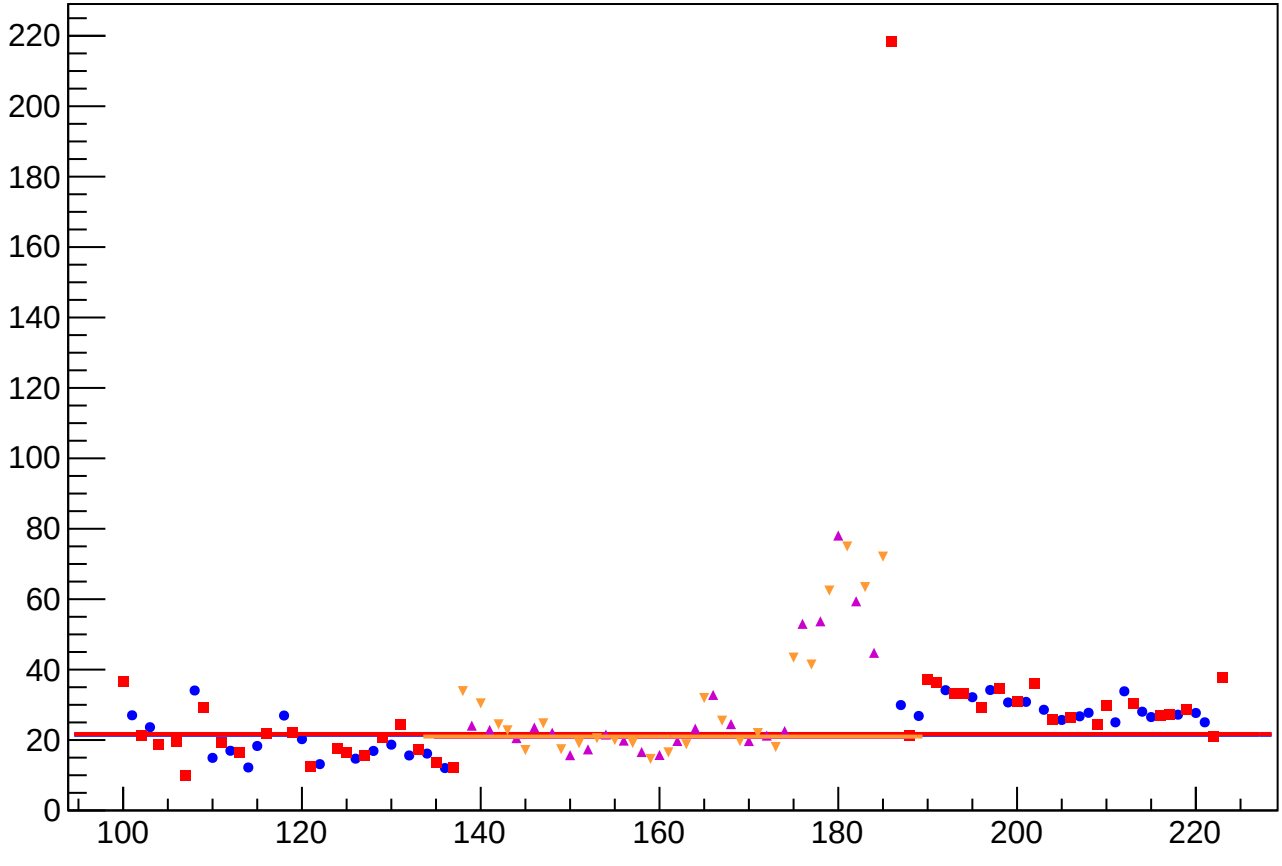
Right: 0.005+/-0.003 χ^2/NDF: 256.0/72

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.009+/-0.004 χ^2/NDF:216.7/63

All: 0.002+/-0.003 χ^2/NDF: 304.6/120

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

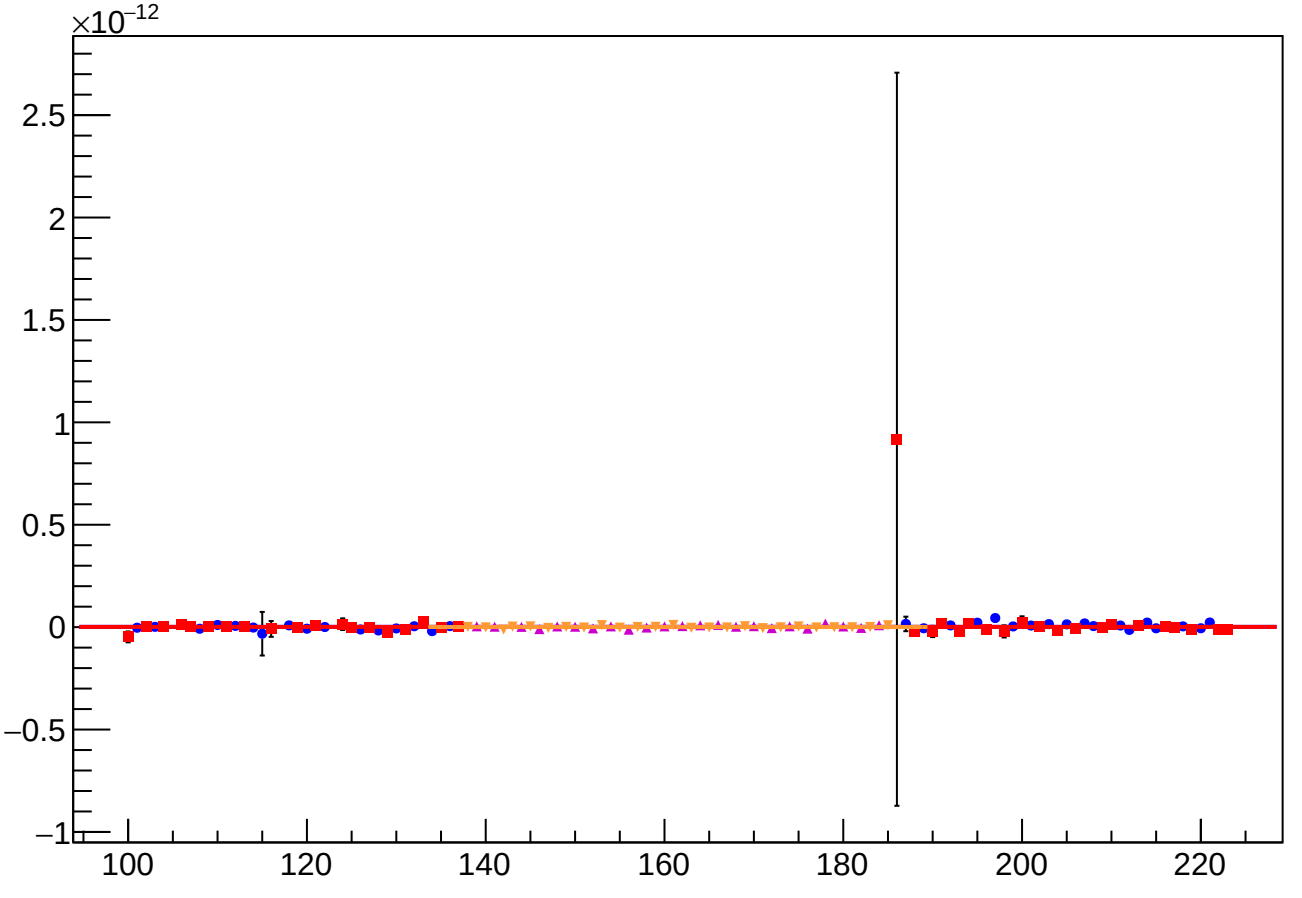
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.610+/-0.002 χ^2/NDF: 8970245.1/72

In: 21.205+/-0.003 χ^2/NDF:7756962.3/56

Out: 21.373+/-0.003 χ^2/NDF:9249774.7/63

All: 21.290+/-0.002 χ^2/NDF: 17008920.0/120



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

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

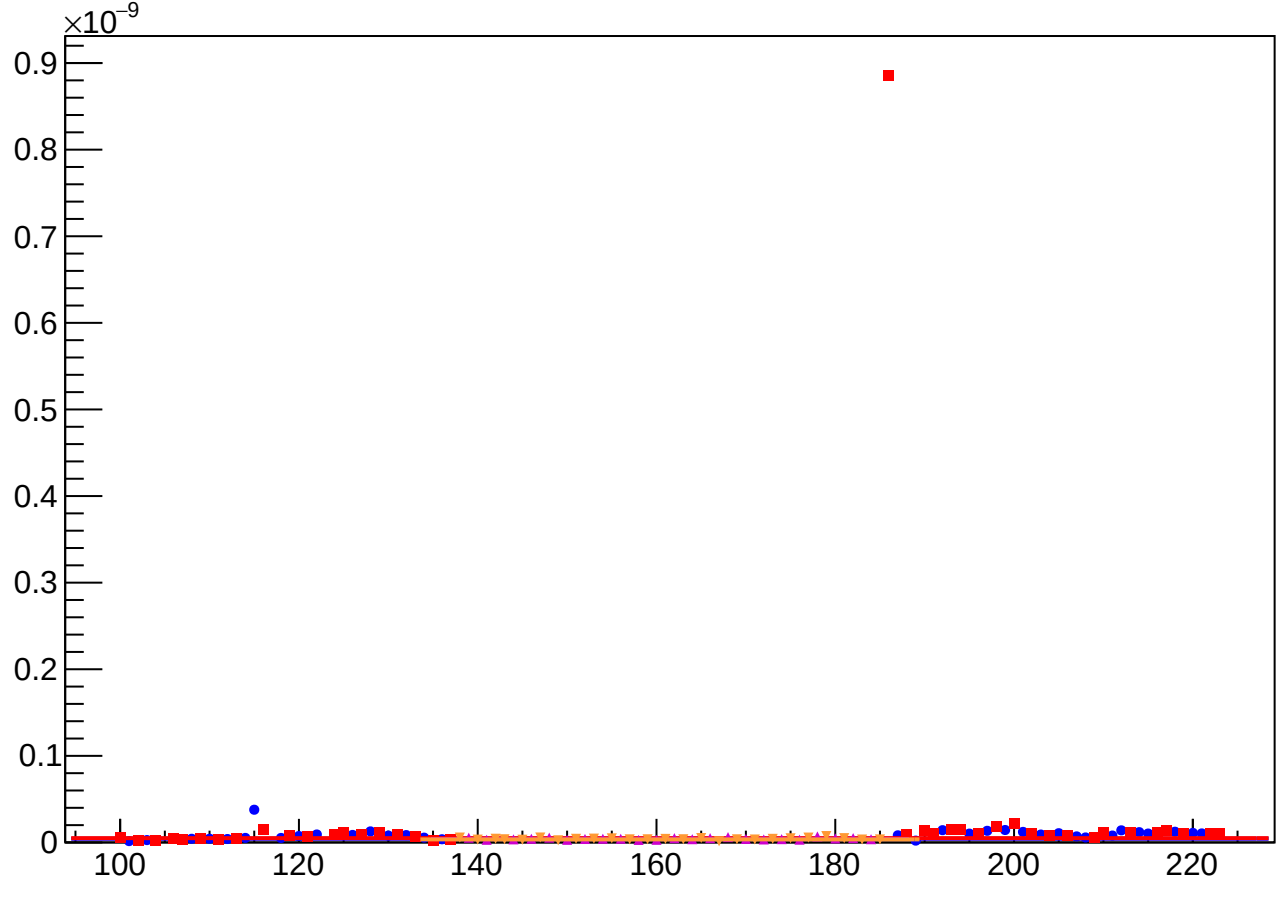
Right: 0.000+/-0.000 χ^2/NDF: 61.6/72

In: 0.000+/-0.000 χ^2/NDF:58.9/56

Out: 0.000+/-0.000 χ^2/NDF:44.0/63

All: 0.000+/-0.000 χ^2/NDF: 102.9/120

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

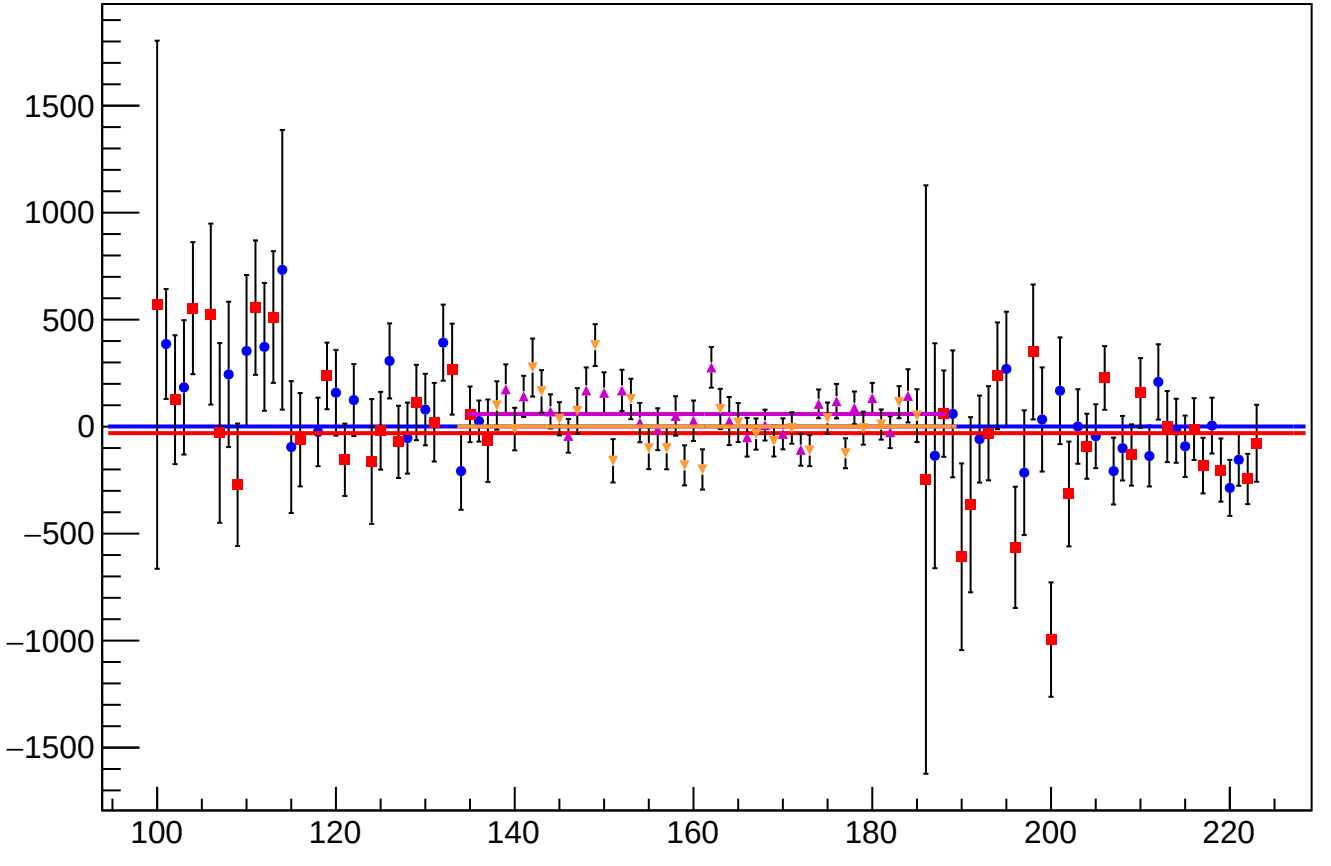
Right: 0.000+/-0.000 χ^2/NDF: 21397256.8/72

In: 0.000+/-0.000 χ^2/NDF:12094910.0/56

Out: 0.000+/-0.000 χ^2/NDF:14035742.7/63

All: 0.000+/-0.000 χ^2/NDF: 26136528.1/120

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

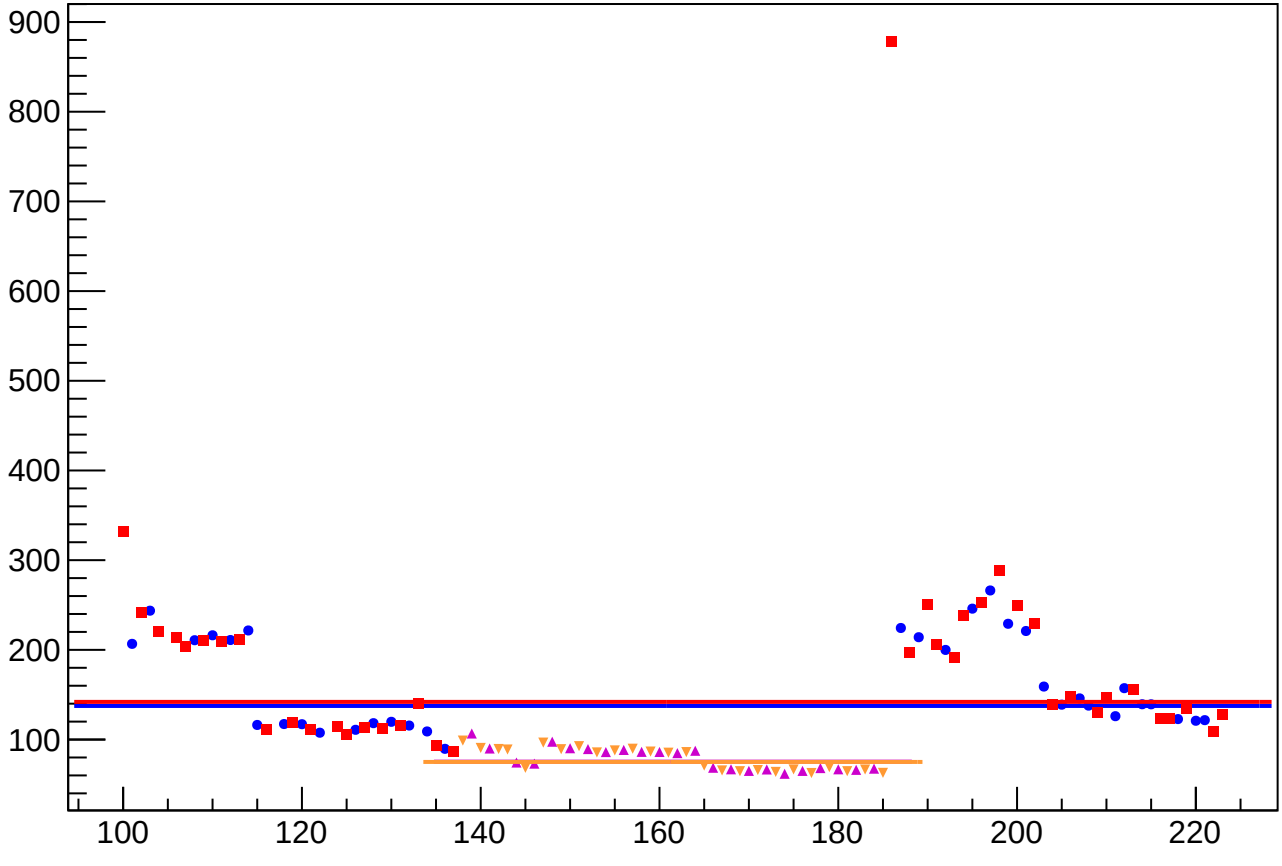
Right: -14.361+/-21.999 χ^2/NDF: 86.6/72

In: 44.175+/-15.449 χ^2/NDF:60.1/56

Out: -6.565+/-15.182 χ^2/NDF:103.8/63

All: 18.362+/-10.828 χ^2/NDF: 169.4/120

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

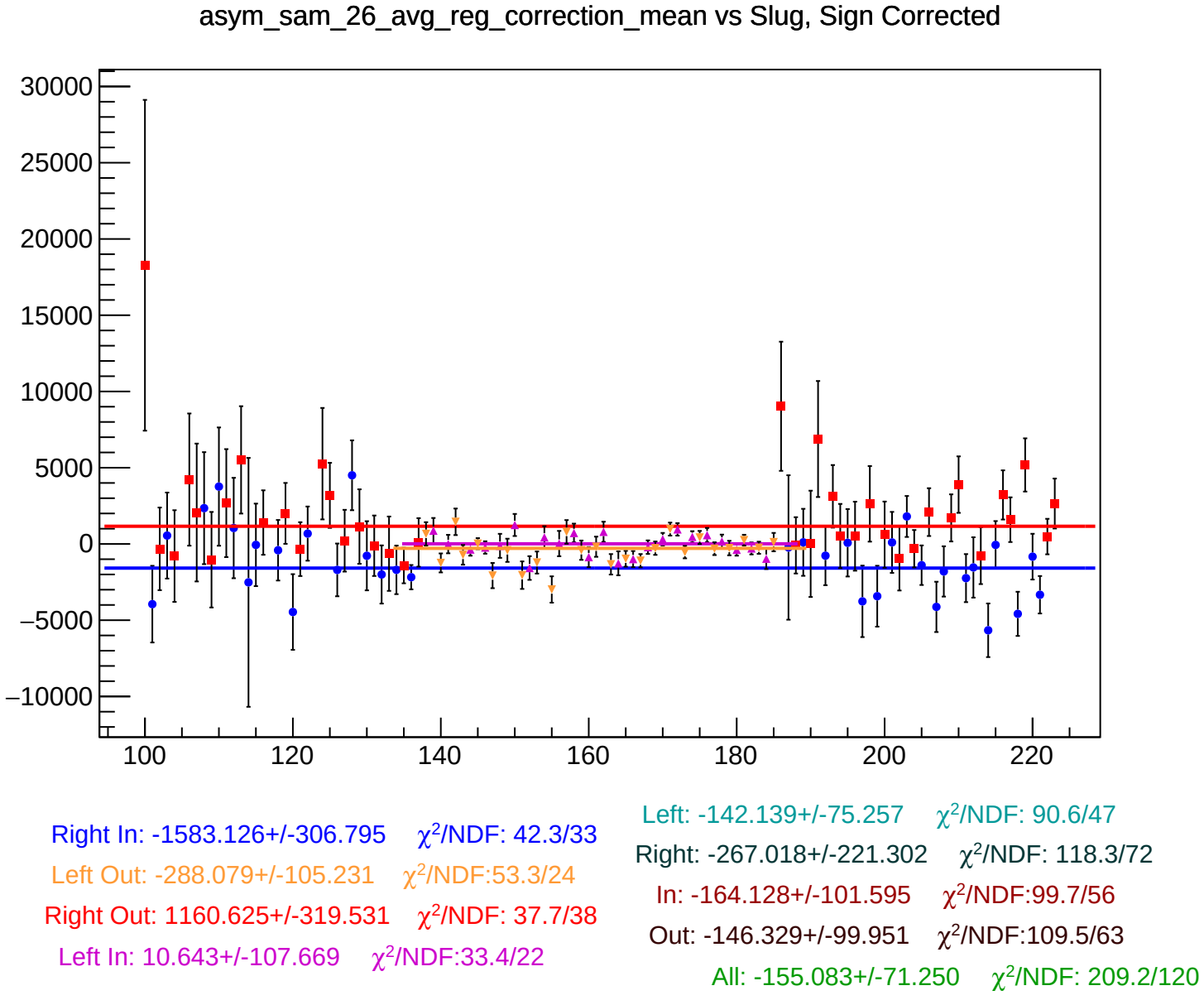
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

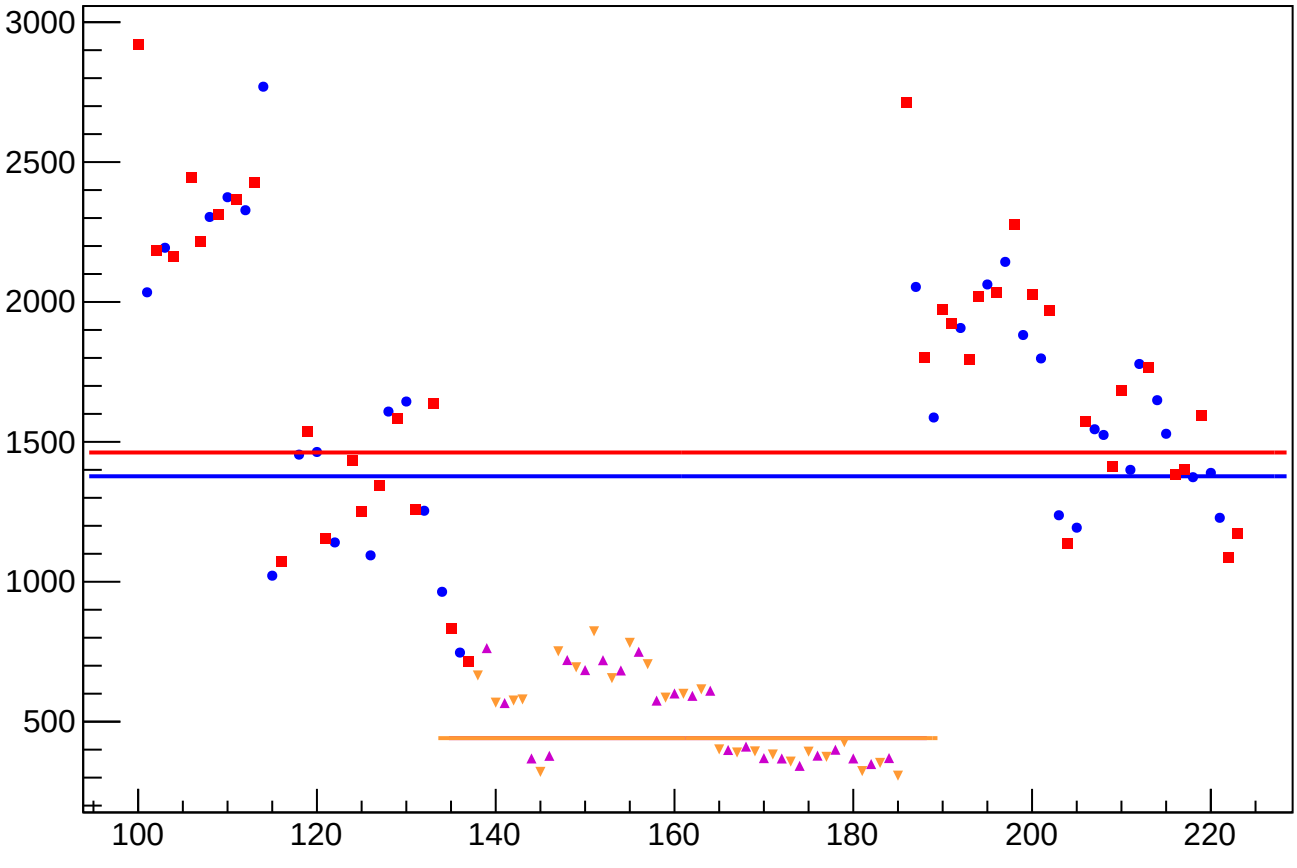
Right: 139.666+/-0.016 χ^2/NDF: 7857189.6/72

In: 91.086+/-0.011 χ^2/NDF:10238855.7/56

Out: 90.549+/-0.011 χ^2/NDF:12400177.5/63

All: 90.813+/-0.008 χ^2/NDF: 22640263.4/120


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1583.126+/-306.795 χ²/NDF: 42.3/33
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 1160.625+/-319.531 χ²/NDF: 37.7/38
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -267.018+/-221.302 χ²/NDF: 118.3/72
In: -164.128+/-101.595 χ²/NDF:99.7/56
Out: -146.329+/-99.951 χ²/NDF:109.5/63
All: -155.083+/-71.250 χ²/NDF: 209.2/120



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

Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

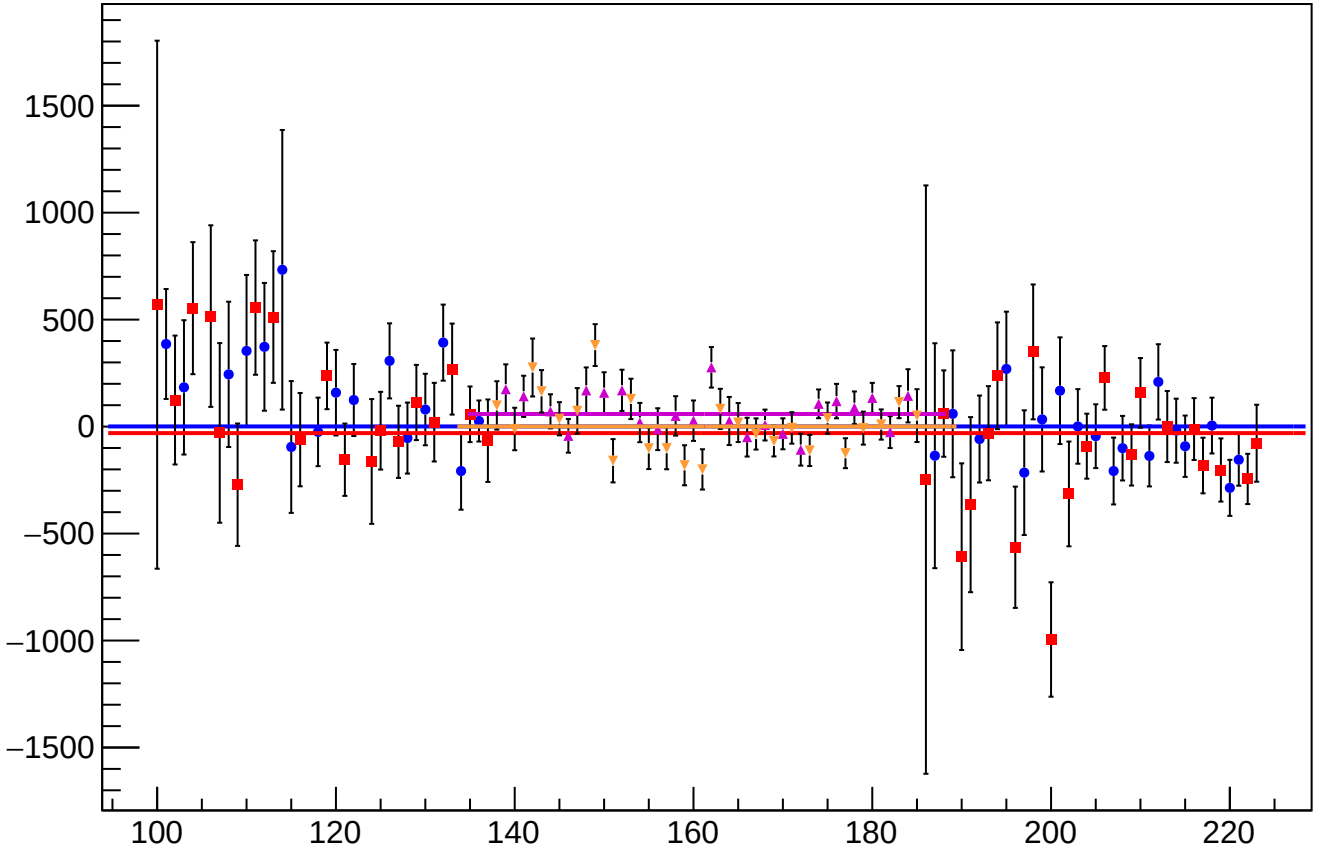
Right: 1417.797+/-0.156 χ^2/NDF: 7255779.1/72

In: 543.817+/-0.072 χ^2/NDF:22715201.6/56

Out: 541.020+/-0.071 χ^2/NDF:25370364.0/63

All: 542.396+/-0.050 χ^2/NDF: 48086336.2/12

cor_asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

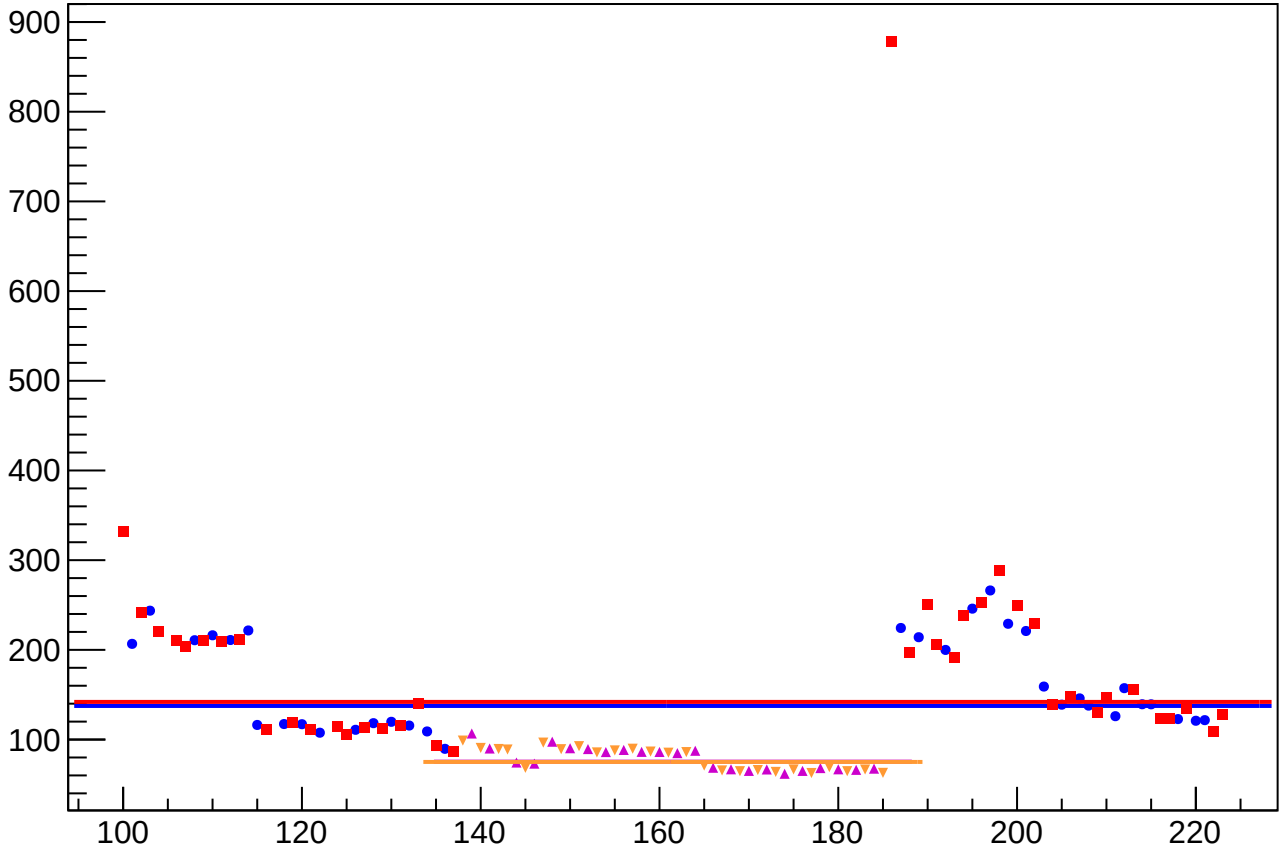
Right: -14.414+/-21.999 χ^2/NDF: 86.5/72

In: 44.170+/-15.449 χ^2/NDF:60.1/56

Out: -6.587+/-15.182 χ^2/NDF:103.7/63

All: 18.348+/-10.828 χ^2/NDF: 169.3/120

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

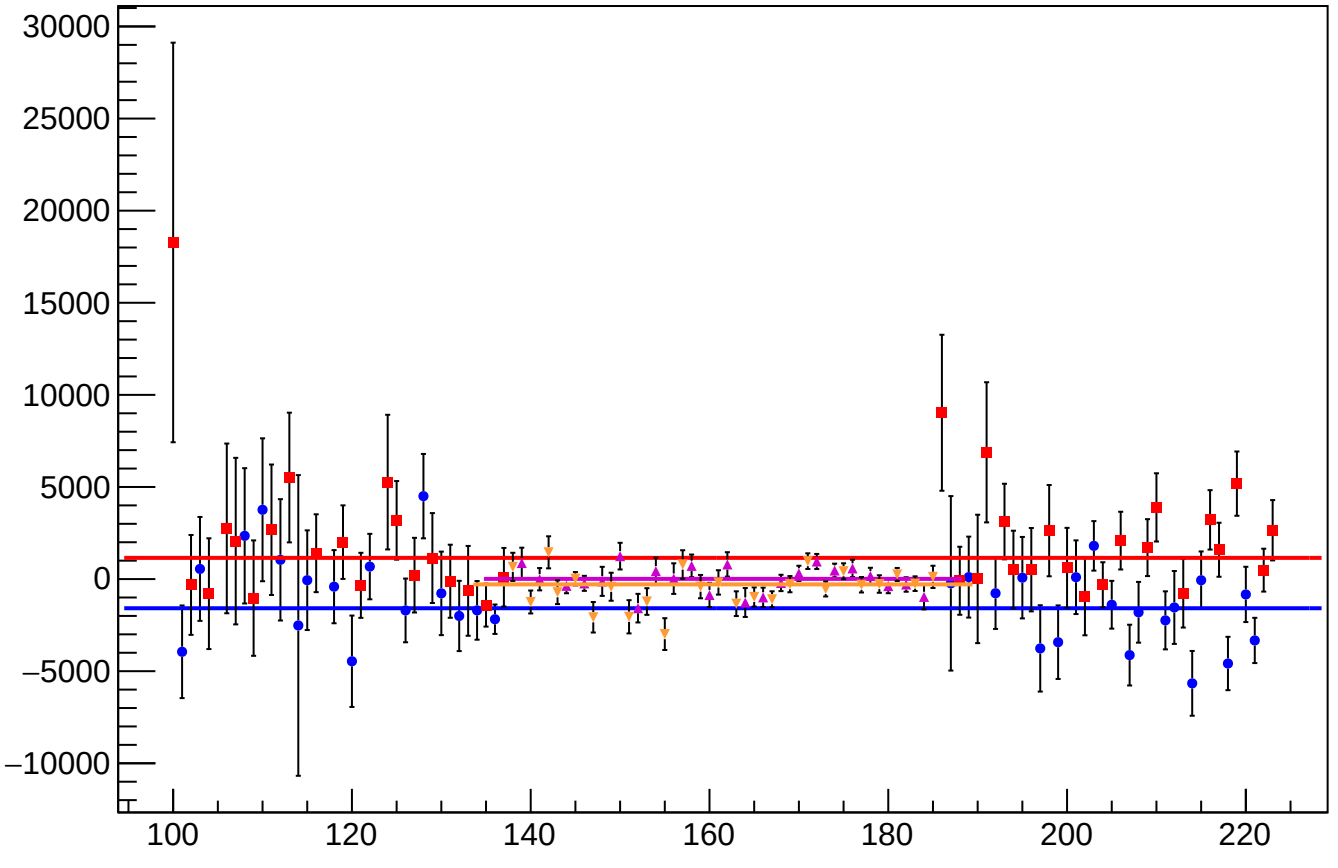
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 139.657+/-0.016 χ^2/NDF: 7852109.4/72

In: 91.086+/-0.011 χ^2/NDF:10238857.7/56

Out: 90.544+/-0.011 χ^2/NDF:12390937.6/63

All: 90.810+/-0.008 χ^2/NDF: 22631049.3/120



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

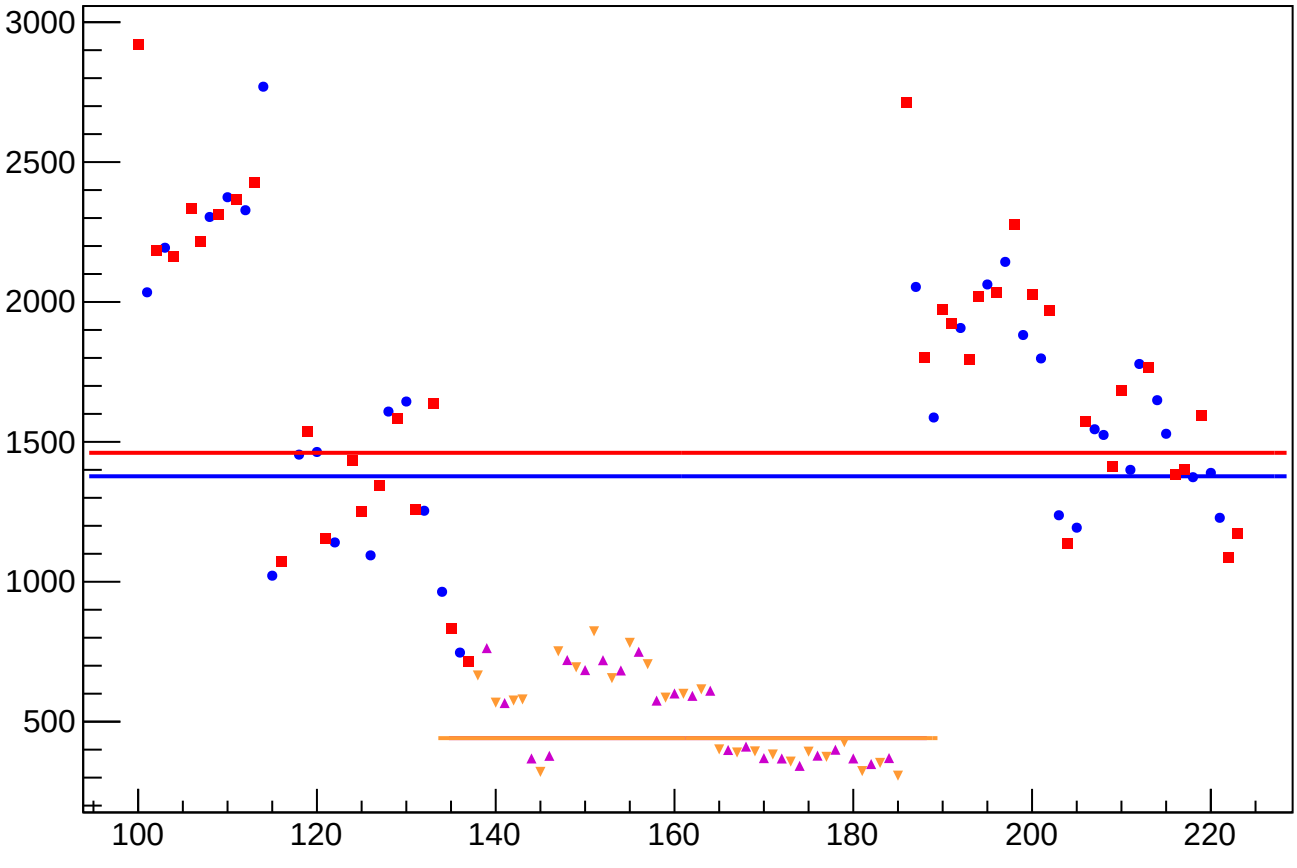
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -271.720+/-221.337 χ^2/NDF: 117.6/72

In: -164.127+/-101.595 χ^2/NDF:99.7/56

Out: -147.280+/-99.954 χ^2/NDF:108.9/63

All: -155.566+/-71.251 χ^2/NDF: 208.6/120



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

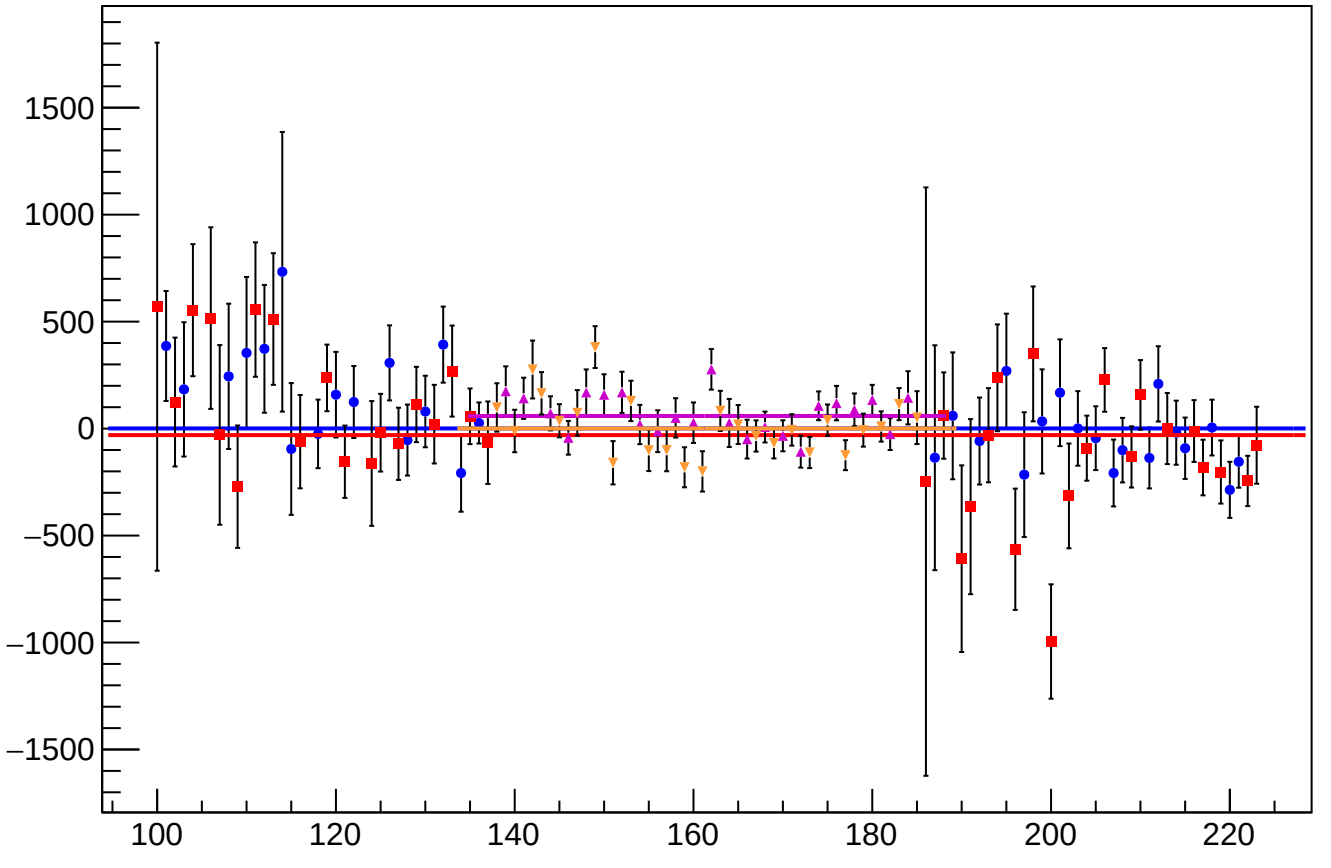
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1417.241+/-0.157 χ^2/NDF: 7223243.5/72

In: 543.818+/-0.072 χ^2/NDF:22715212.1/56

Out: 540.851+/-0.071 χ^2/NDF:25288256.9/63

All: 542.310+/-0.050 χ^2/NDF: 48004335.3/12



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

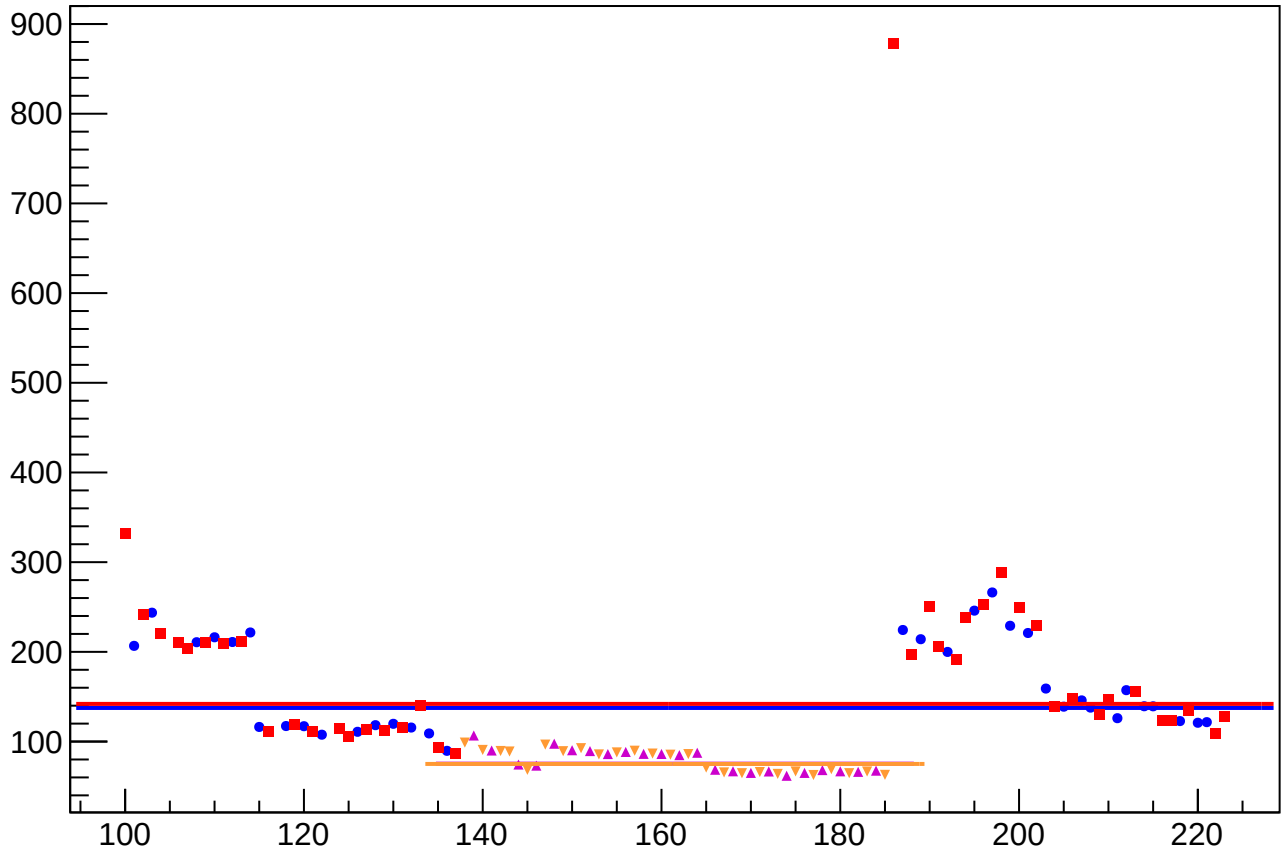
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: -14.414+/-21.999 χ^2/NDF: 86.5/72

In: 44.170+/-15.449 χ^2/NDF:60.1/56

Out: -6.587+/-15.182 χ^2/NDF:103.7/63

All: 18.348+/-10.828 χ^2/NDF: 169.3/120



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

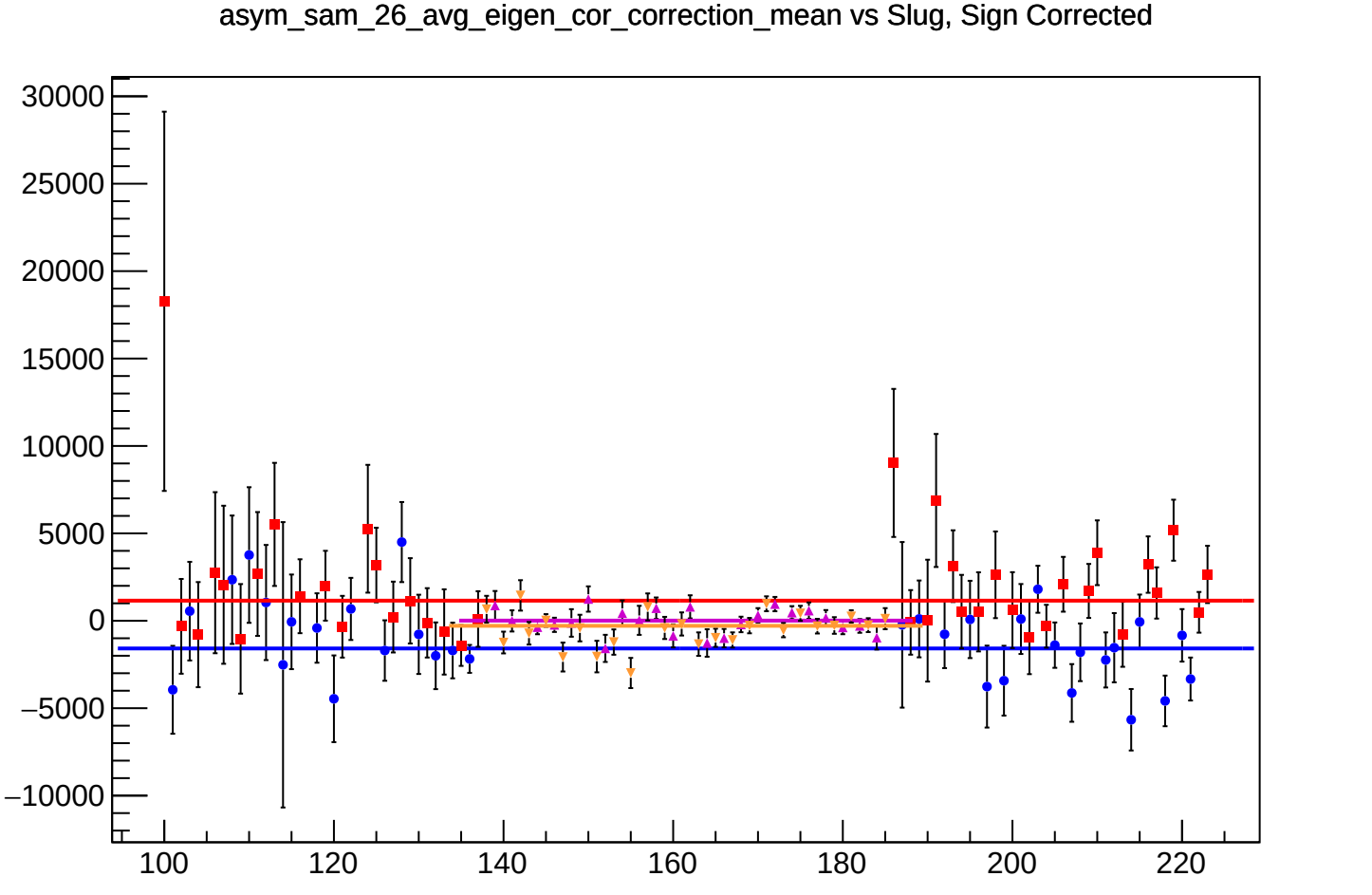
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

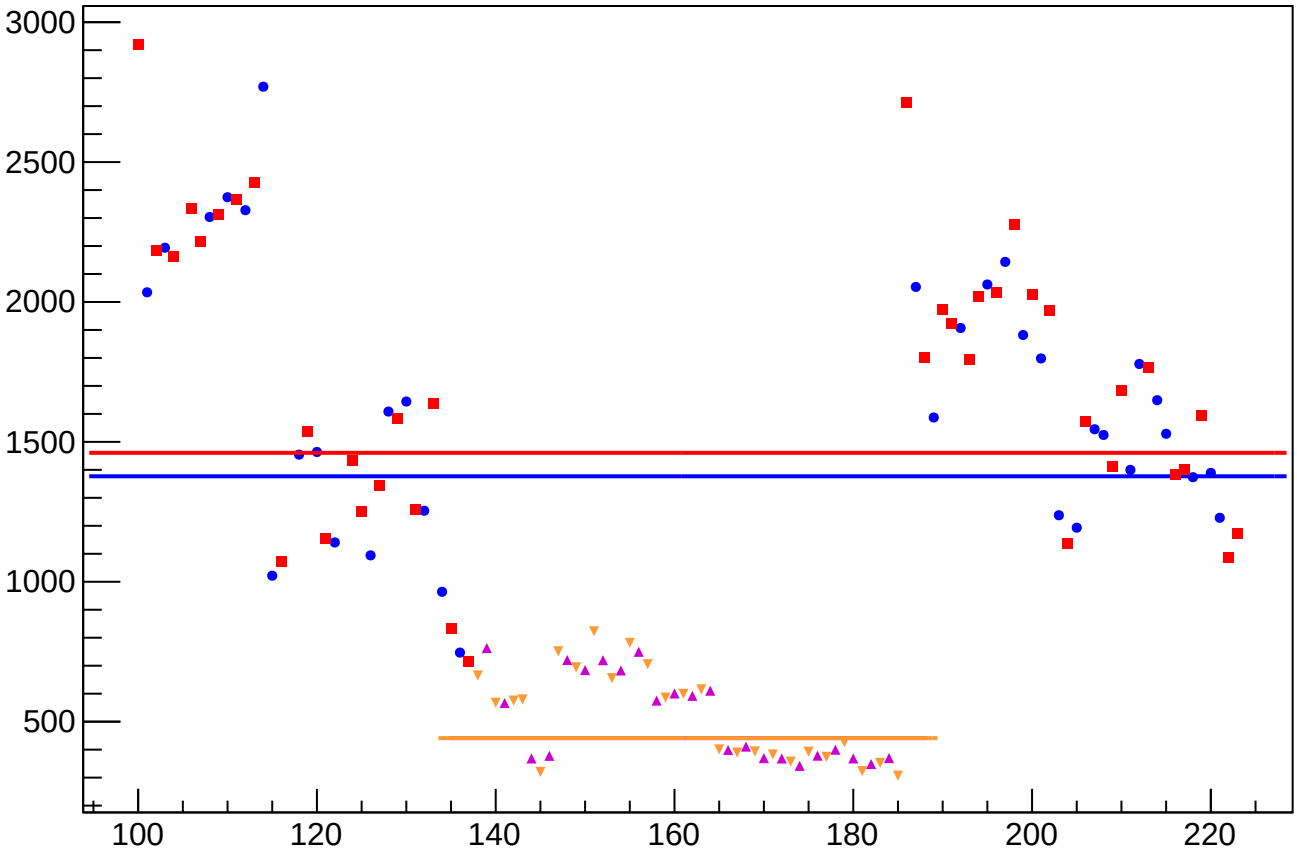
Right: 139.657+/-0.016 χ^2/NDF: 7852109.4/72

In: 91.086+/-0.011 χ^2/NDF:10238857.7/56

Out: 90.544+/-0.011 χ^2/NDF:12390937.6/63

All: 90.810+/-0.008 χ^2/NDF: 22631049.3/120


asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1583.122+/-306.795 χ²/NDF: 42.3/33
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 1151.732+/-319.633 χ²/NDF: 37.3/38
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -271.720+/-221.337 χ²/NDF: 117.6/72
In: -164.127+/-101.595 χ²/NDF:99.7/56
Out: -147.280+/-99.954 χ²/NDF:108.9/63
All: -155.566+/-71.251 χ²/NDF: 208.6/120



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

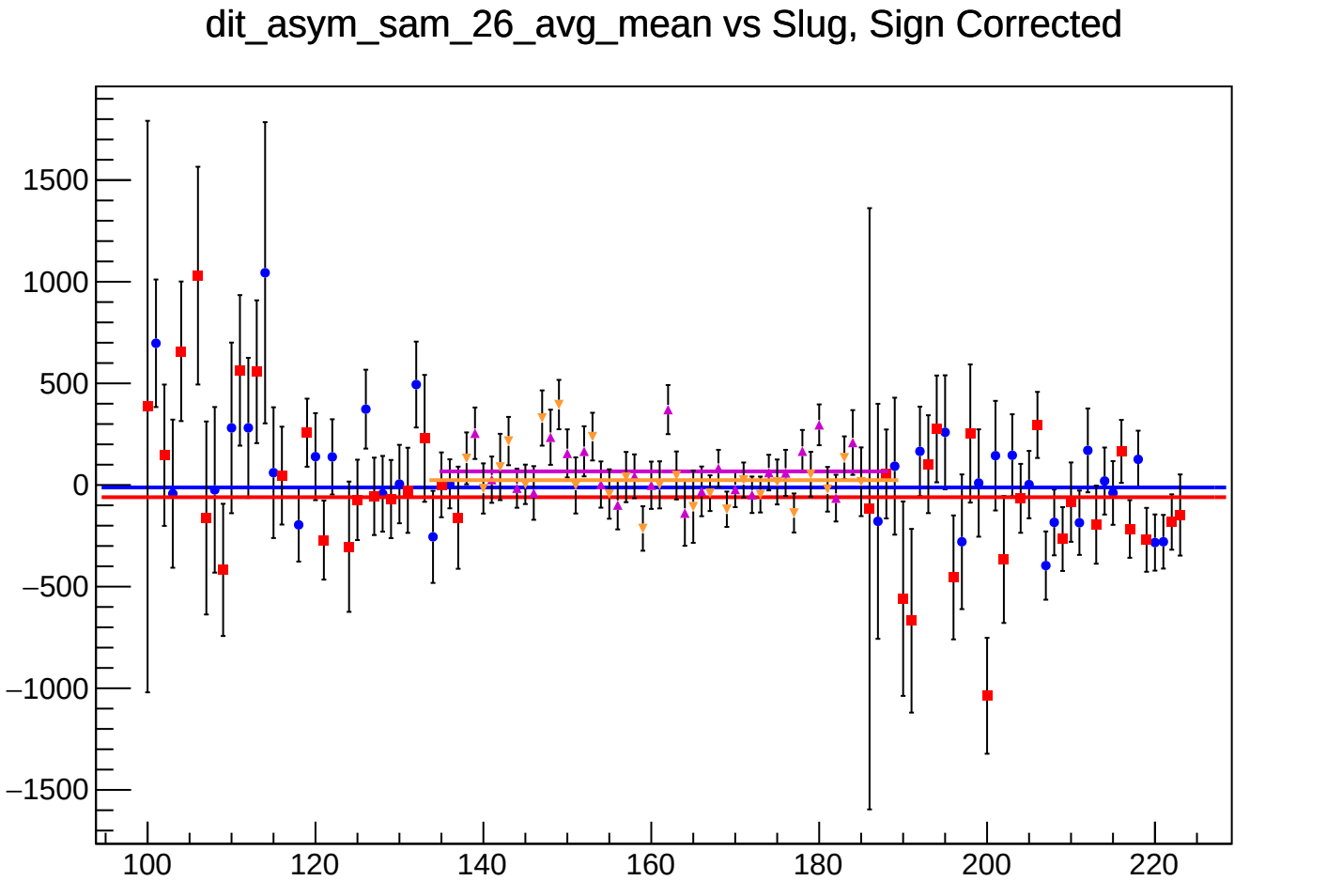
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1417.241+/-0.157 χ^2/NDF: 7223243.5/72

In: 543.818+/-0.072 χ^2/NDF:22715212.1/56

Out: 540.851+/-0.071 χ^2/NDF:25288256.9/63

All: 542.310+/-0.050 χ^2/NDF: 48004335.3/12



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

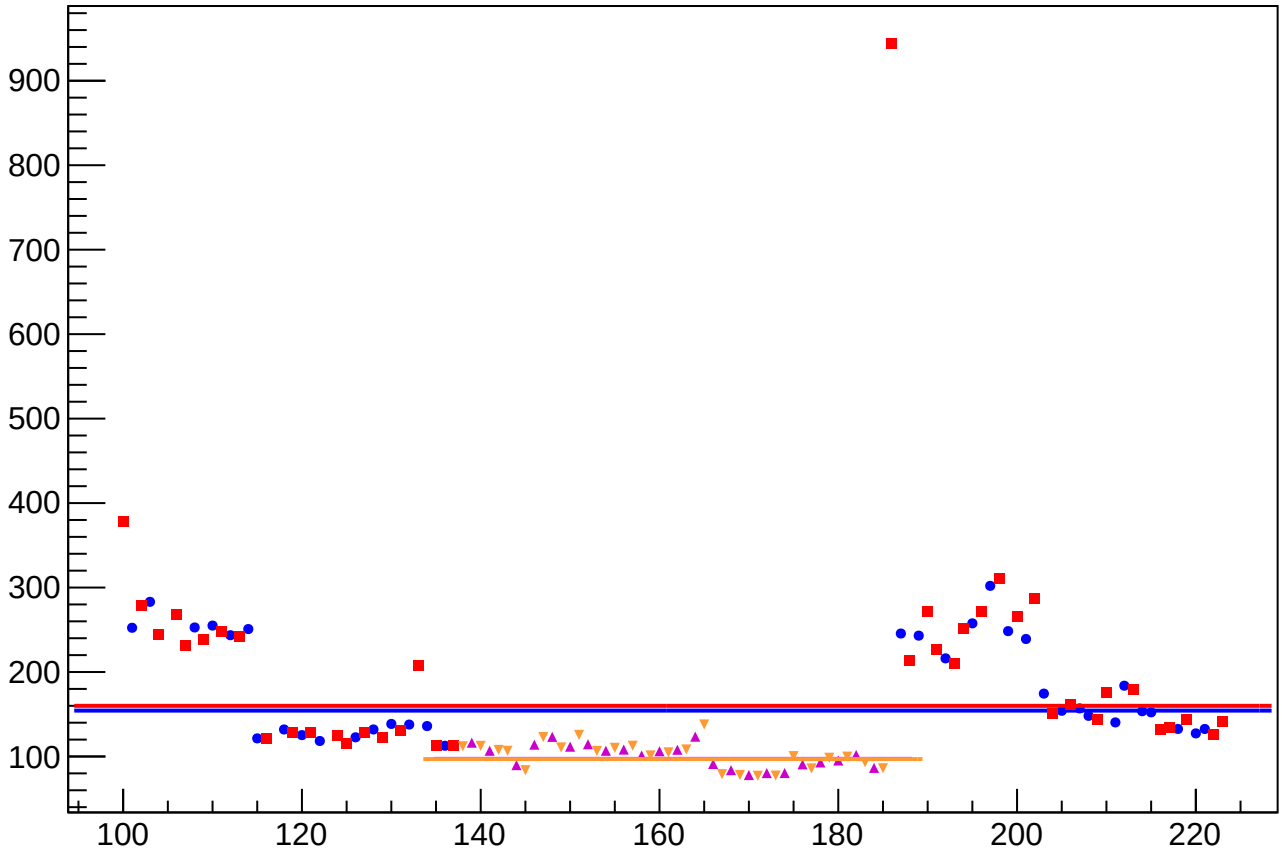
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: -35.231+/-24.761 χ^2/NDF: 99.7/72

In: 42.555+/-19.202 χ^2/NDF:74.5/56

Out: 0.047+/-18.966 χ^2/NDF:95.7/63

All: 21.039+/-13.494 χ^2/NDF: 172.6/120



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

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

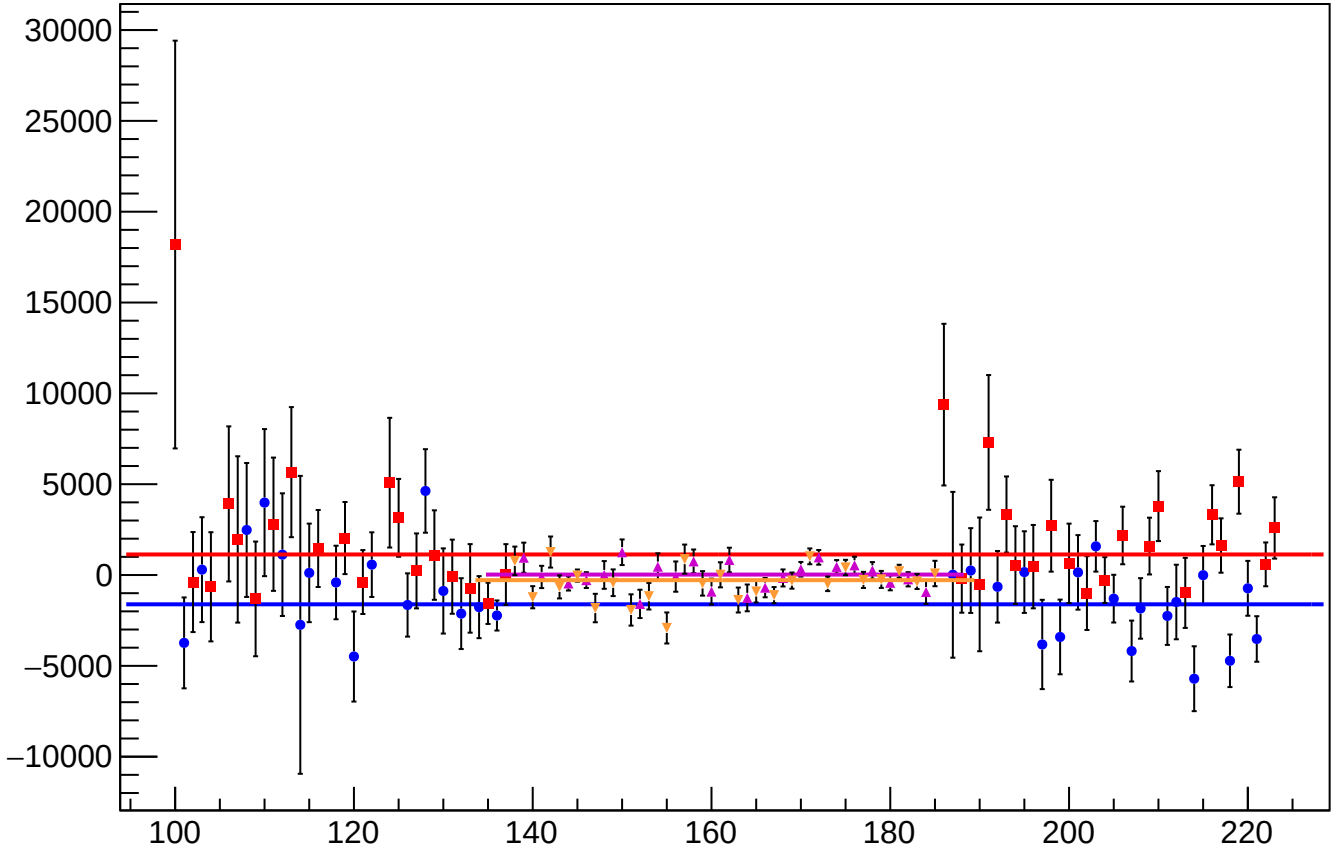
Right: 157.057+/-0.018 χ^2/NDF: 7527412.2/72

In: 114.901+/-0.014 χ^2/NDF:7558821.6/56

Out: 114.818+/-0.013 χ^2/NDF:9839832.2/63

All: 114.859+/-0.010 χ^2/NDF: 17398672.7/12

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



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

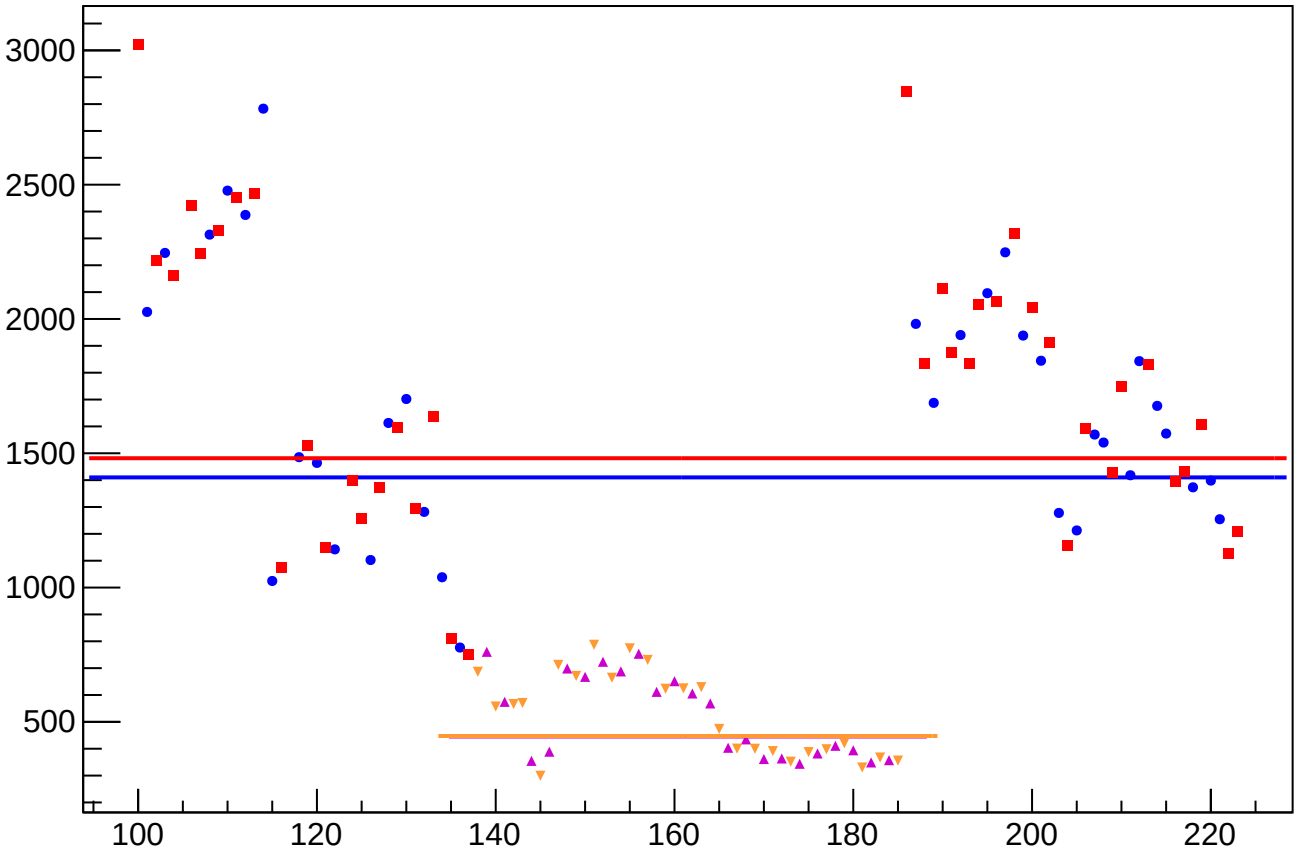
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -284.356+/-225.331 χ^2/NDF: 117.8/72

In: -151.396+/-102.862 χ^2/NDF:99.2/56

Out: -144.720+/-101.081 χ^2/NDF:106.4/63

All: -148.000+/-72.097 χ^2/NDF: 205.6/120



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

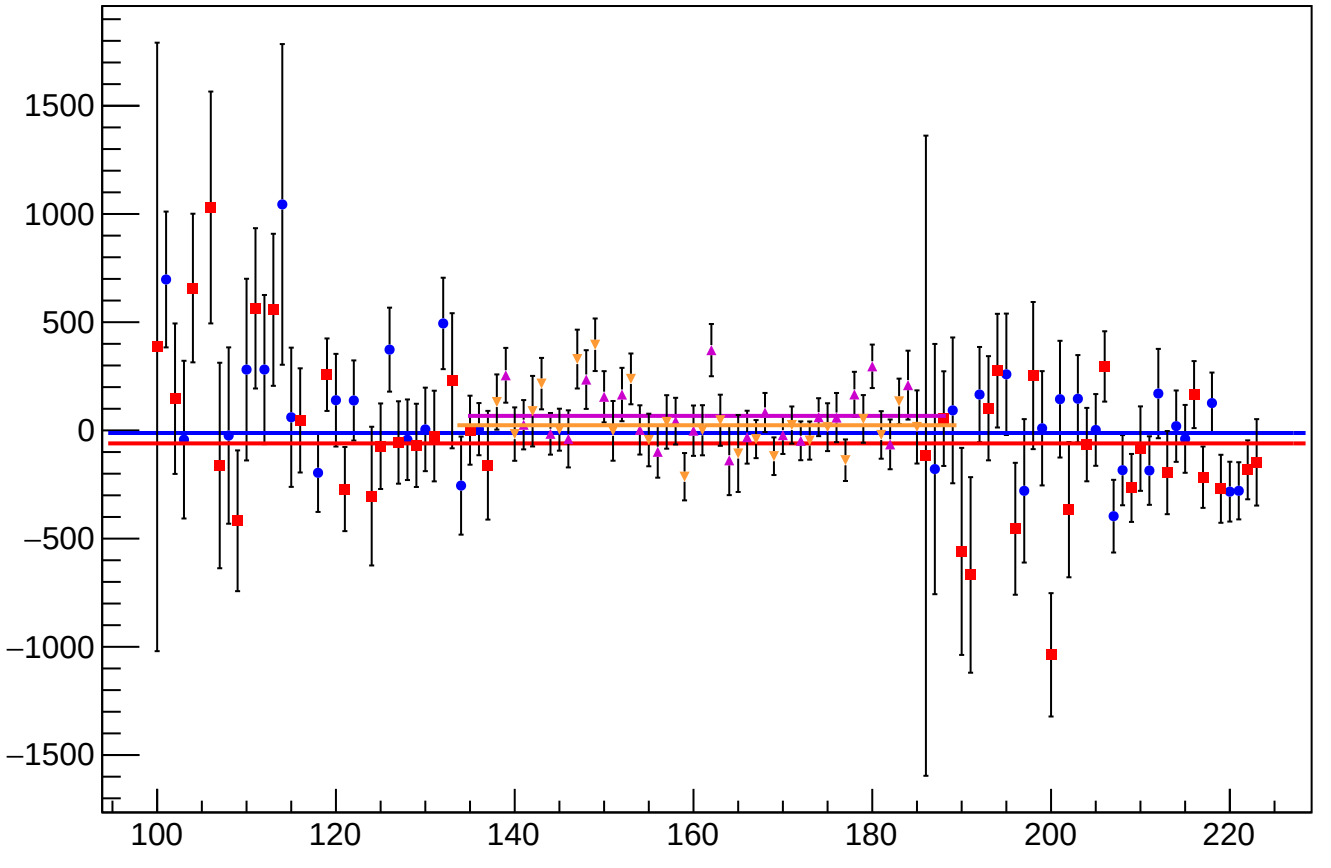
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1444.700+/-0.159 χ^2/NDF: 7177892.3/72

In: 549.232+/-0.073 χ^2/NDF:22964979.0/56

Out: 548.095+/-0.071 χ^2/NDF:25357421.5/63

All: 548.654+/-0.051 χ^2/NDF: 48322524.9/12



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

Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -35.230+/-24.761 χ^2/NDF: 99.7/72

In: 42.556+/-19.202 χ^2/NDF:74.5/56

Out: 0.046+/-18.966 χ^2/NDF:95.7/63

All: 21.039+/-13.494 χ^2/NDF: 172.6/120

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

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

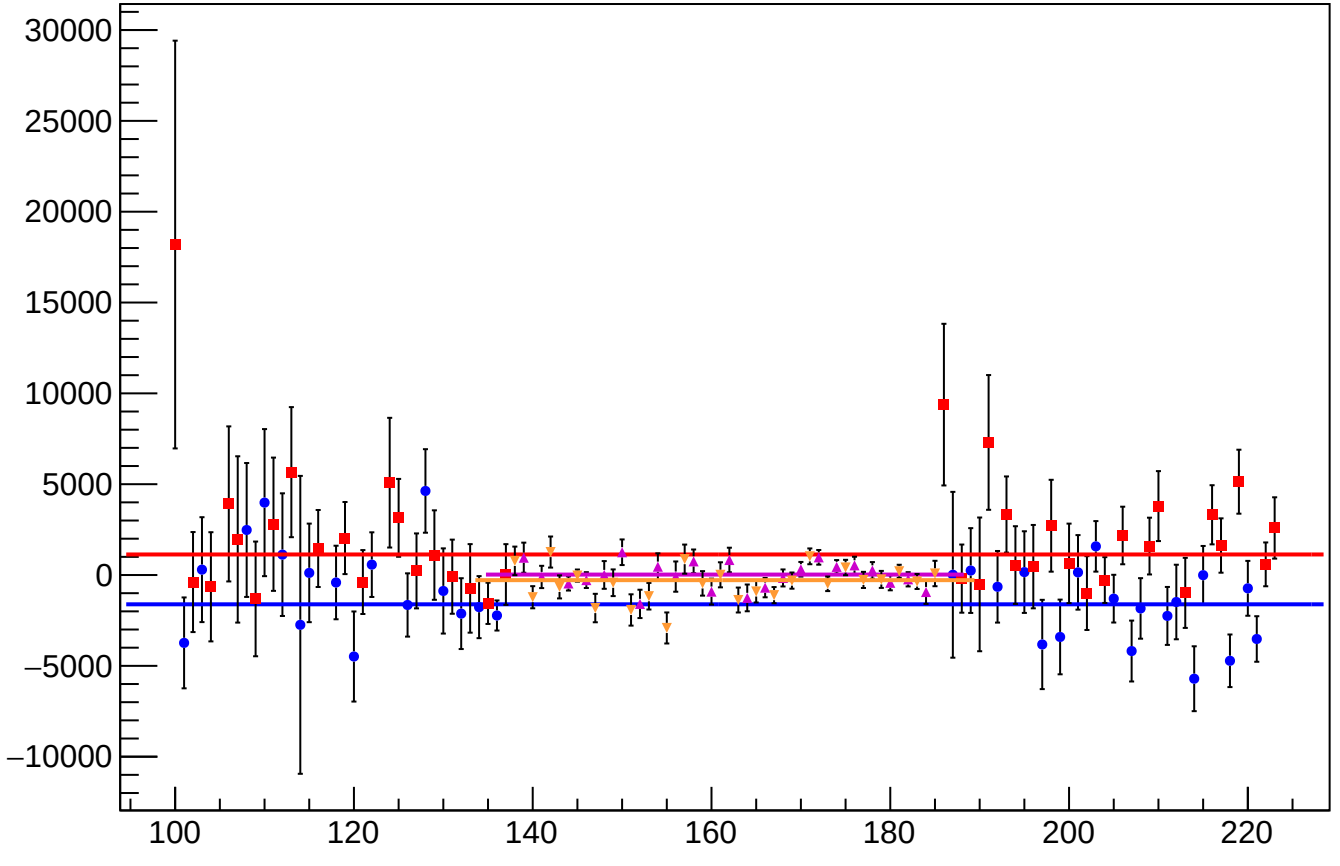
Right: 157.057+/-0.018 χ^2/NDF: 7527420.2/72

In: 114.901+/-0.014 χ^2/NDF:7558726.6/56

Out: 114.818+/-0.013 χ^2/NDF:9839766.5/63

All: 114.859+/-0.010 χ^2/NDF: 17398512.0/12

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

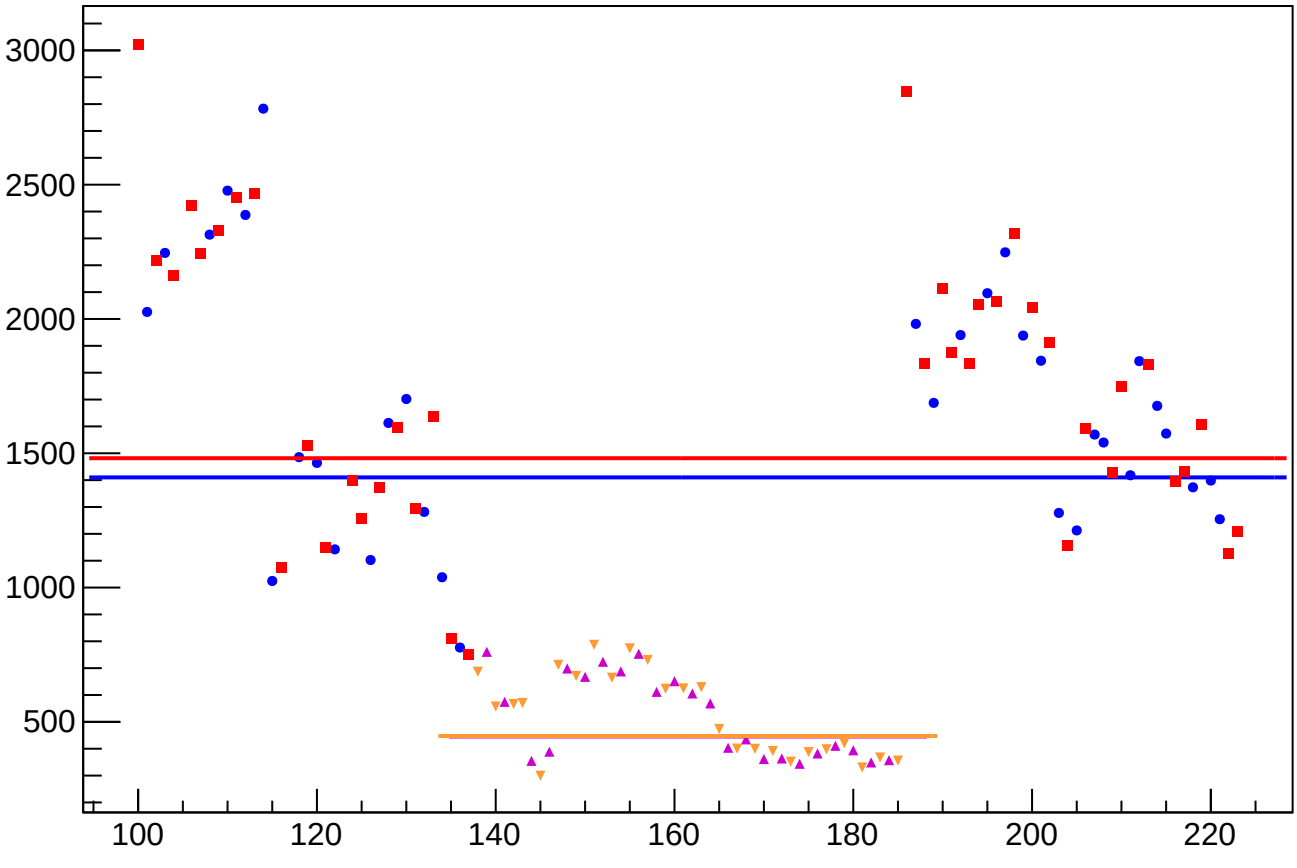
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -284.356+/-225.331 χ^2/NDF: 117.8/72

In: -151.395+/-102.862 χ^2/NDF:99.2/56

Out: -144.720+/-101.081 χ^2/NDF:106.4/63

All: -147.999+/-72.097 χ^2/NDF: 205.6/120



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

Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

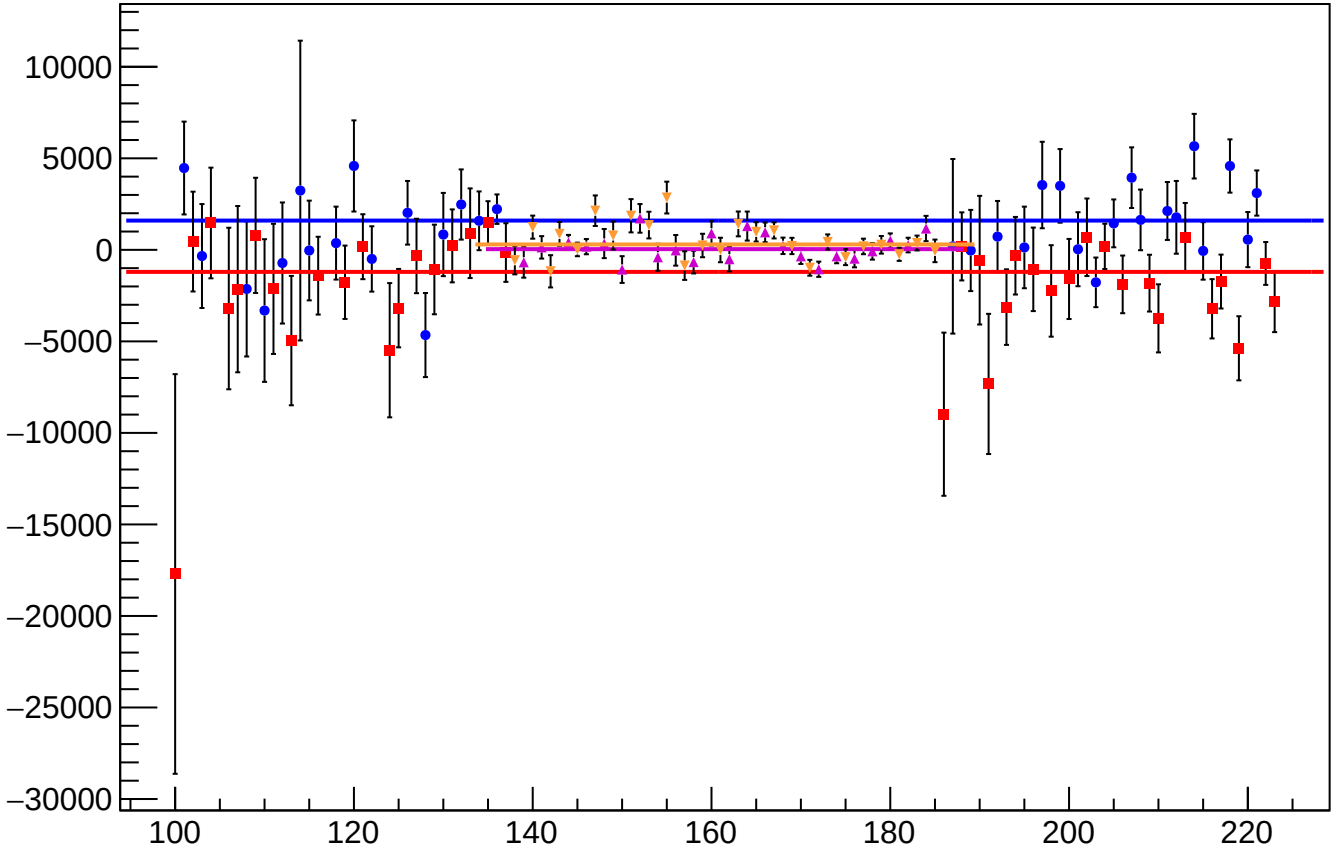
Right: 1444.700+/-0.159 χ^2/NDF: 7177853.2/72

In: 549.232+/-0.073 χ^2/NDF:22964987.7/56

Out: 548.094+/-0.071 χ^2/NDF:25357456.5/63

All: 548.653+/-0.051 χ^2/NDF: 48322568.6/12

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

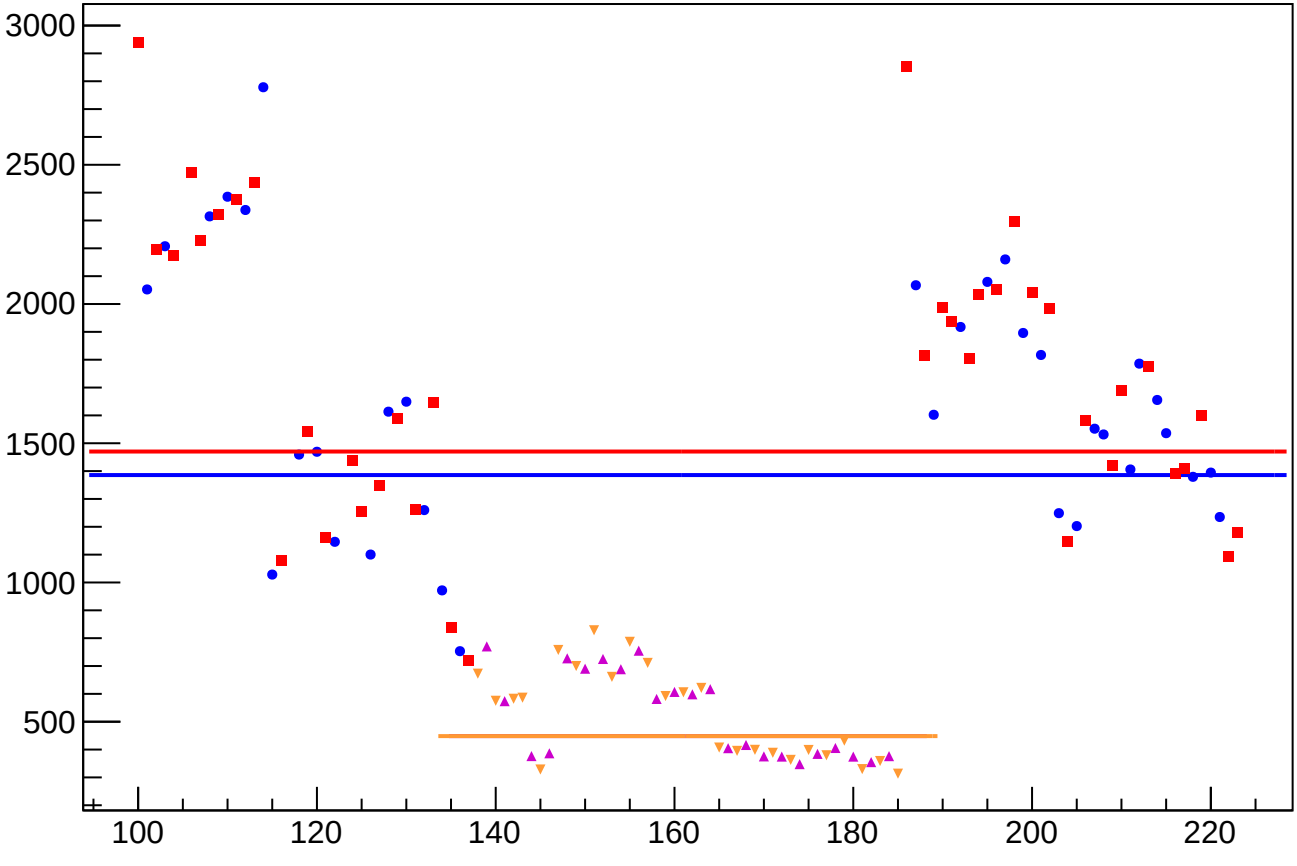
Right: 254.006+/-222.635 χ^2/NDF: 117.3/72

In: 212.056+/-103.044 χ^2/NDF:96.8/56

Out: 145.901+/-101.360 χ^2/NDF:106.7/63

All: 178.433+/-72.260 χ^2/NDF: 203.7/120

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

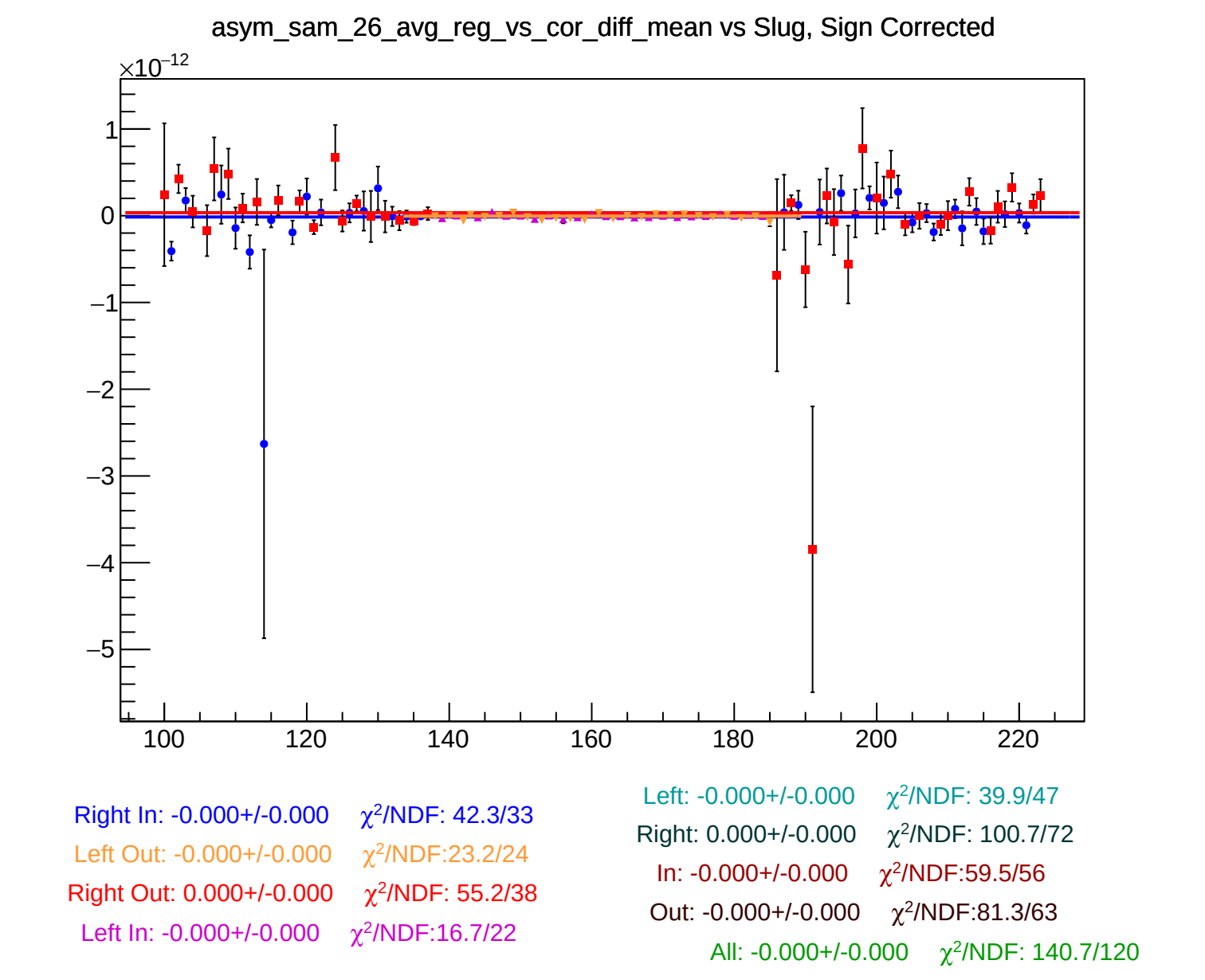
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

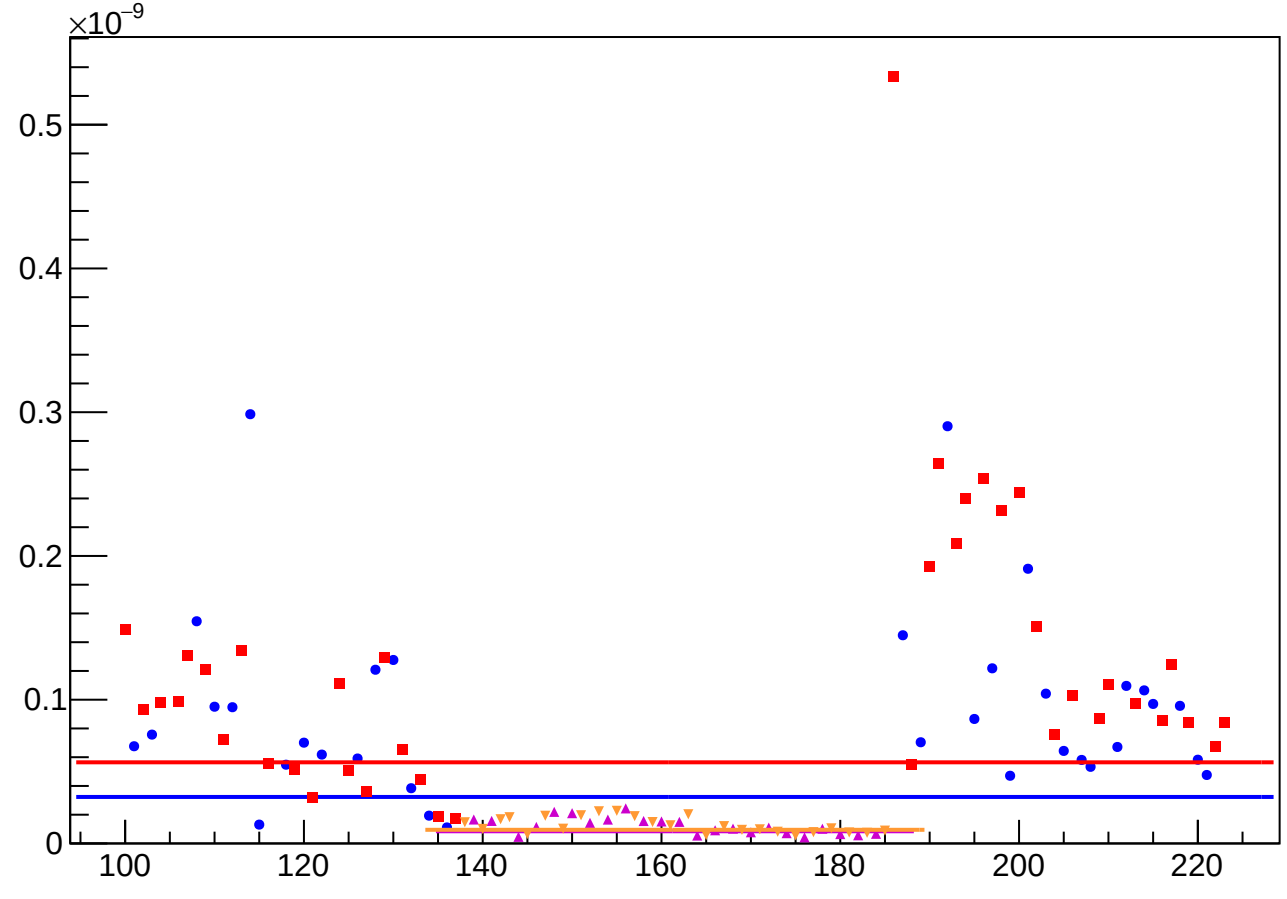
Right: 1426.295+/-0.157 χ^2/NDF: 7257382.5/72

In: 552.858+/-0.073 χ^2/NDF:22458645.7/56

Out: 549.909+/-0.072 χ^2/NDF:25101032.4/63

All: 551.359+/-0.051 χ^2/NDF: 47560510.9/12


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 42.3/33
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 55.2/38
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: 0.000+/-0.000 χ²/NDF: 100.7/72
In: -0.000+/-0.000 χ²/NDF:59.5/56
Out: -0.000+/-0.000 χ²/NDF:81.3/63
All: -0.000+/-0.000 χ²/NDF: 140.7/120



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

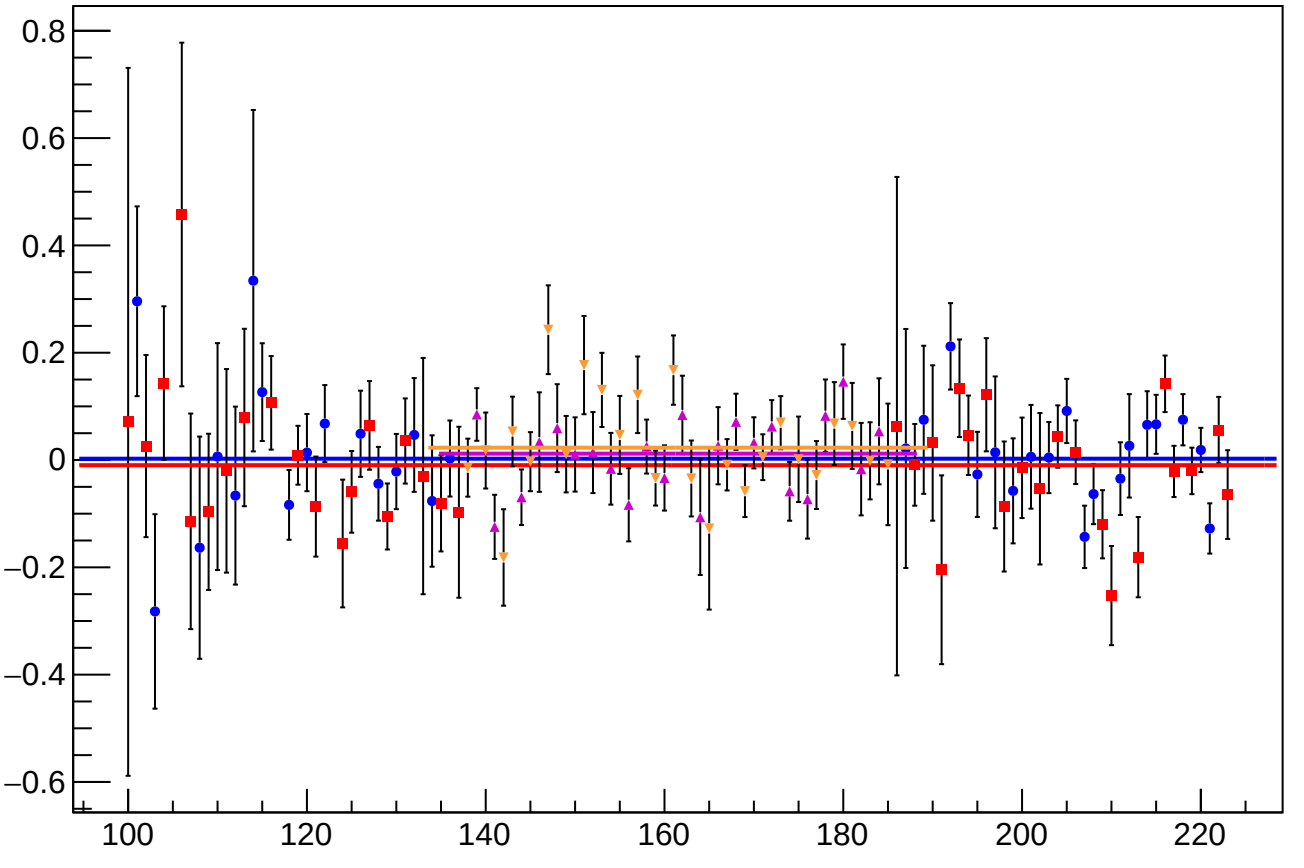
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 17312783.4/72

In: 0.000+/-0.000 χ^2/NDF:15978164.7/56

Out: 0.000+/-0.000 χ^2/NDF:17703390.6/63

All: 0.000+/-0.000 χ^2/NDF: 33762167.9/120



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

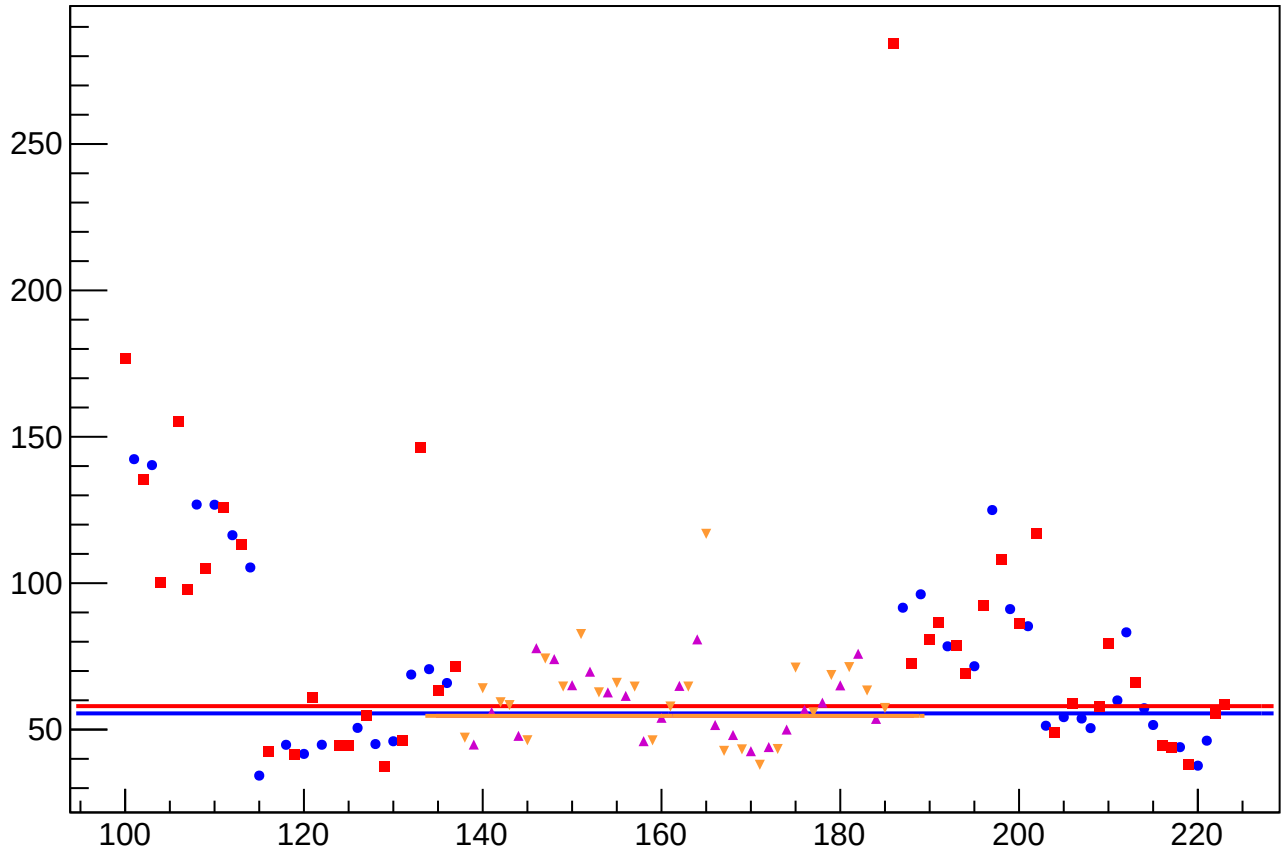
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.003+/-0.009 χ^2/NDF: 89.7/72

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.007+/-0.009 χ^2/NDF:83.1/63

All: 0.007+/-0.007 χ^2/NDF: 152.6/120



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

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

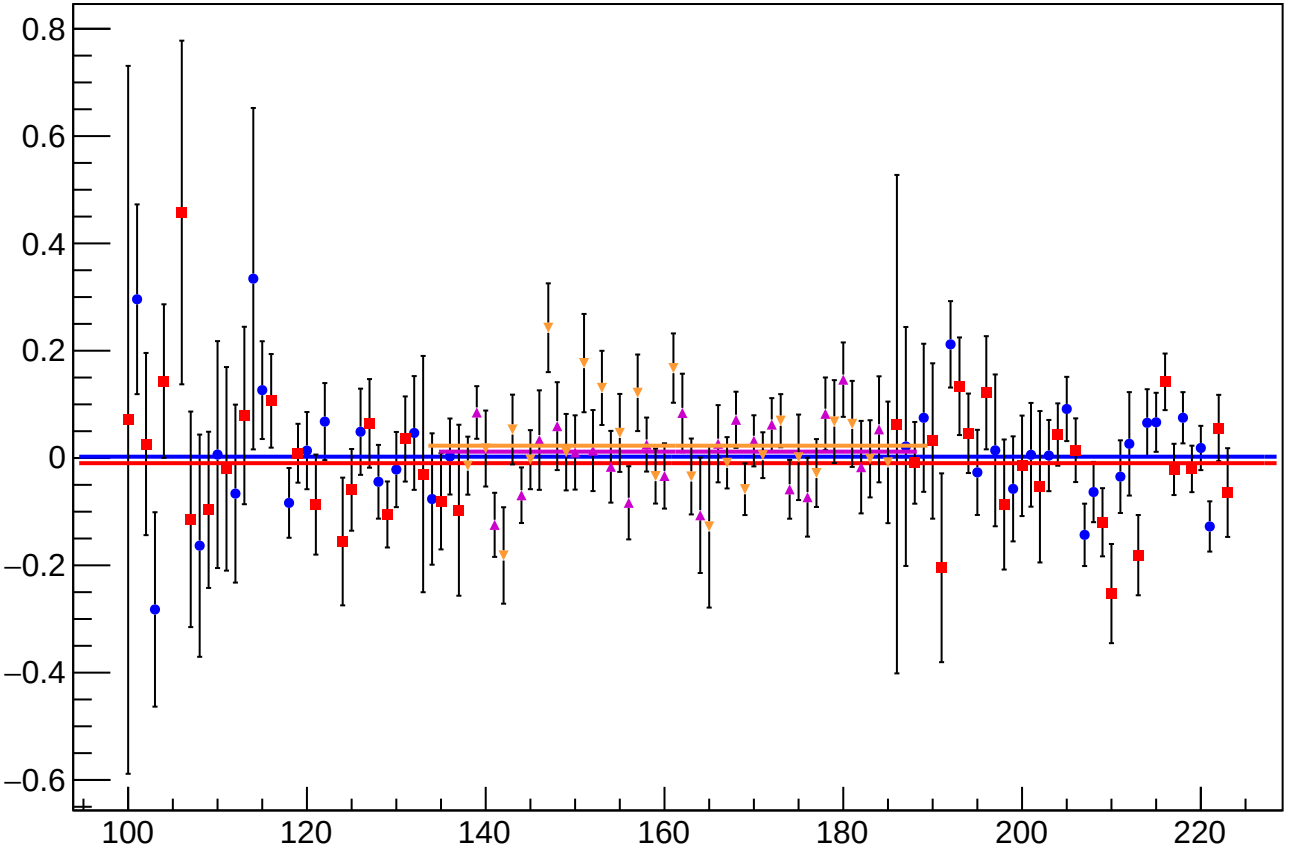
Right: 56.718+/-0.007 χ^2/NDF: 9753017.9/72

In: 55.116+/-0.007 χ^2/NDF:5565501.1/56

Out: 56.283+/-0.007 χ^2/NDF:7346906.5/63

All: 55.696+/-0.005 χ^2/NDF: 12928203.9/120

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

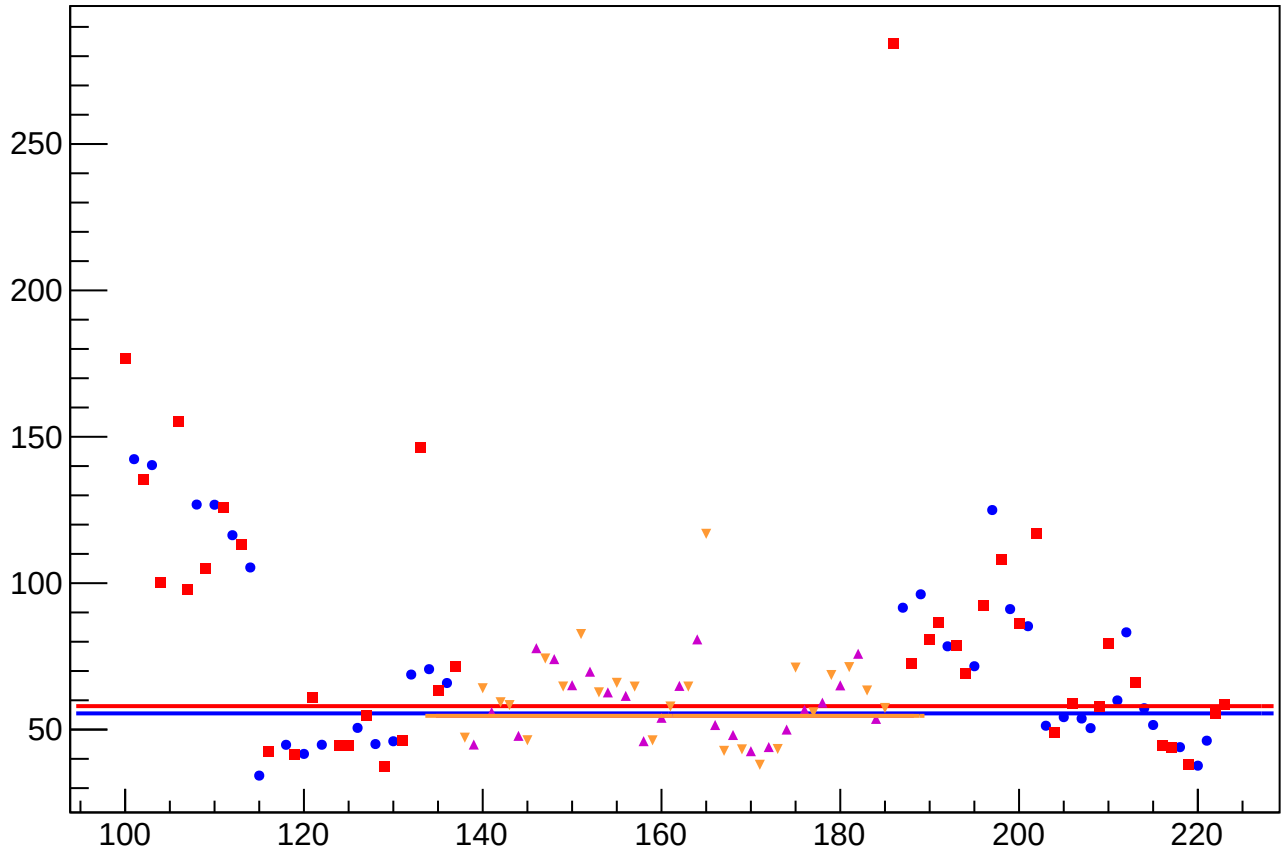
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.003+/-0.009 χ^2/NDF: 89.7/72

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.007+/-0.009 χ^2/NDF:83.1/63

All: 0.007+/-0.007 χ^2/NDF: 152.6/120



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

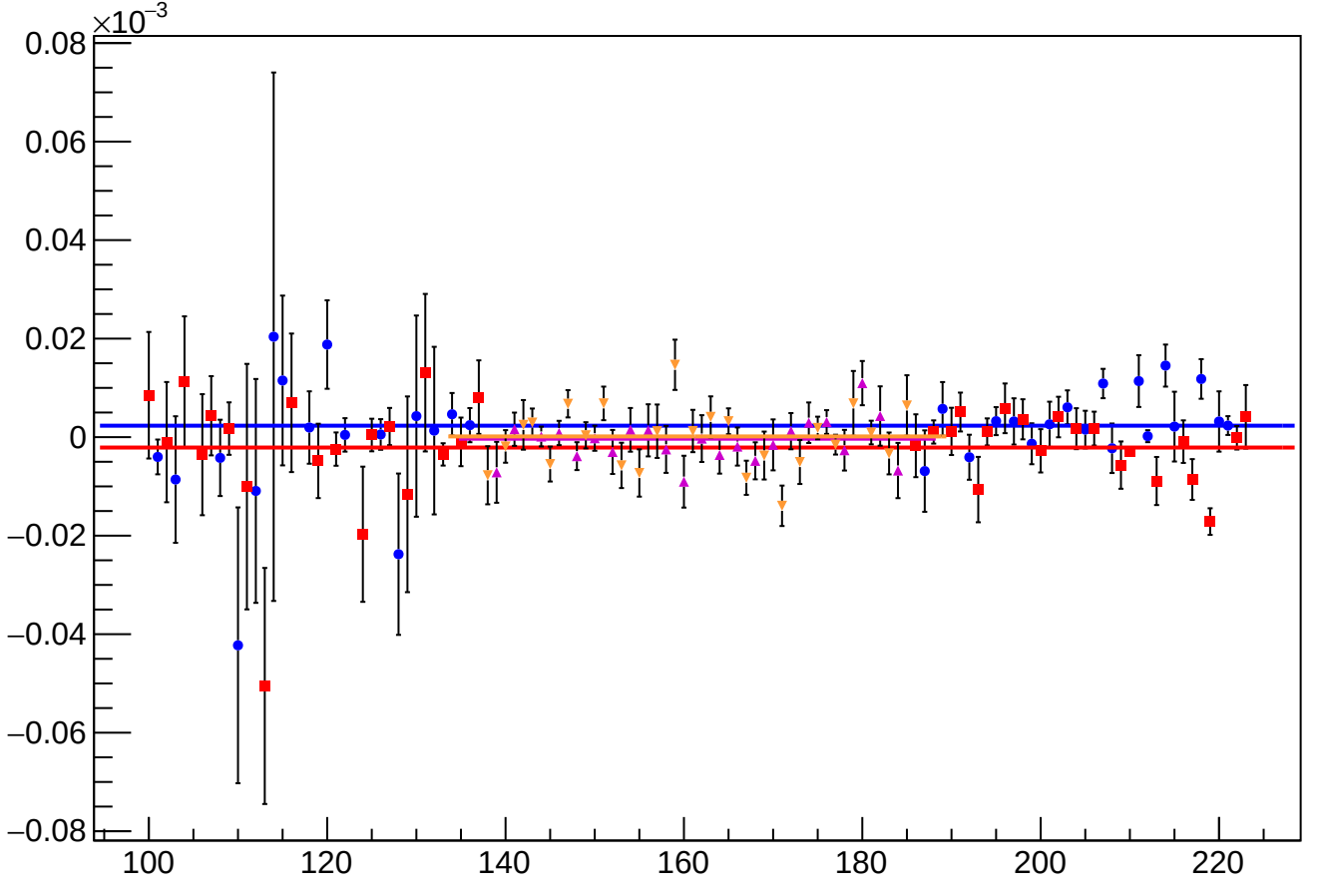
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 56.718+/-0.007 χ^2/NDF: 9753017.9/72

In: 55.116+/-0.007 χ^2/NDF:5565501.1/56

Out: 56.283+/-0.007 χ^2/NDF:7346906.5/63

All: 55.696+/-0.005 χ^2/NDF: 12928203.9/120



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

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

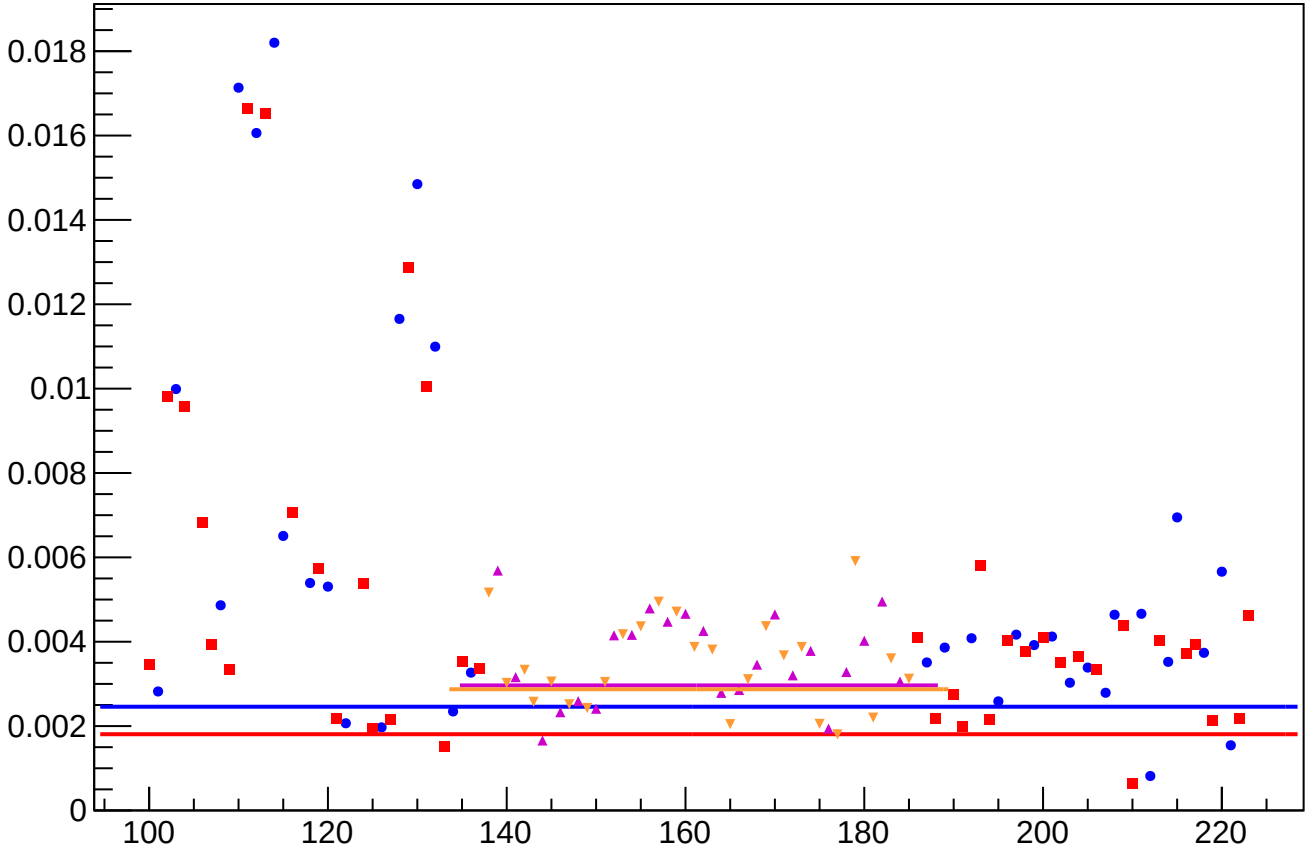
Right: -0.000+/-0.000 χ^2/NDF: 148.3/72

In: 0.000+/-0.000 χ^2/NDF:77.1/56

Out: -0.000+/-0.000 χ^2/NDF:131.2/63

All: -0.000+/-0.000 χ^2/NDF: 223.2/120

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

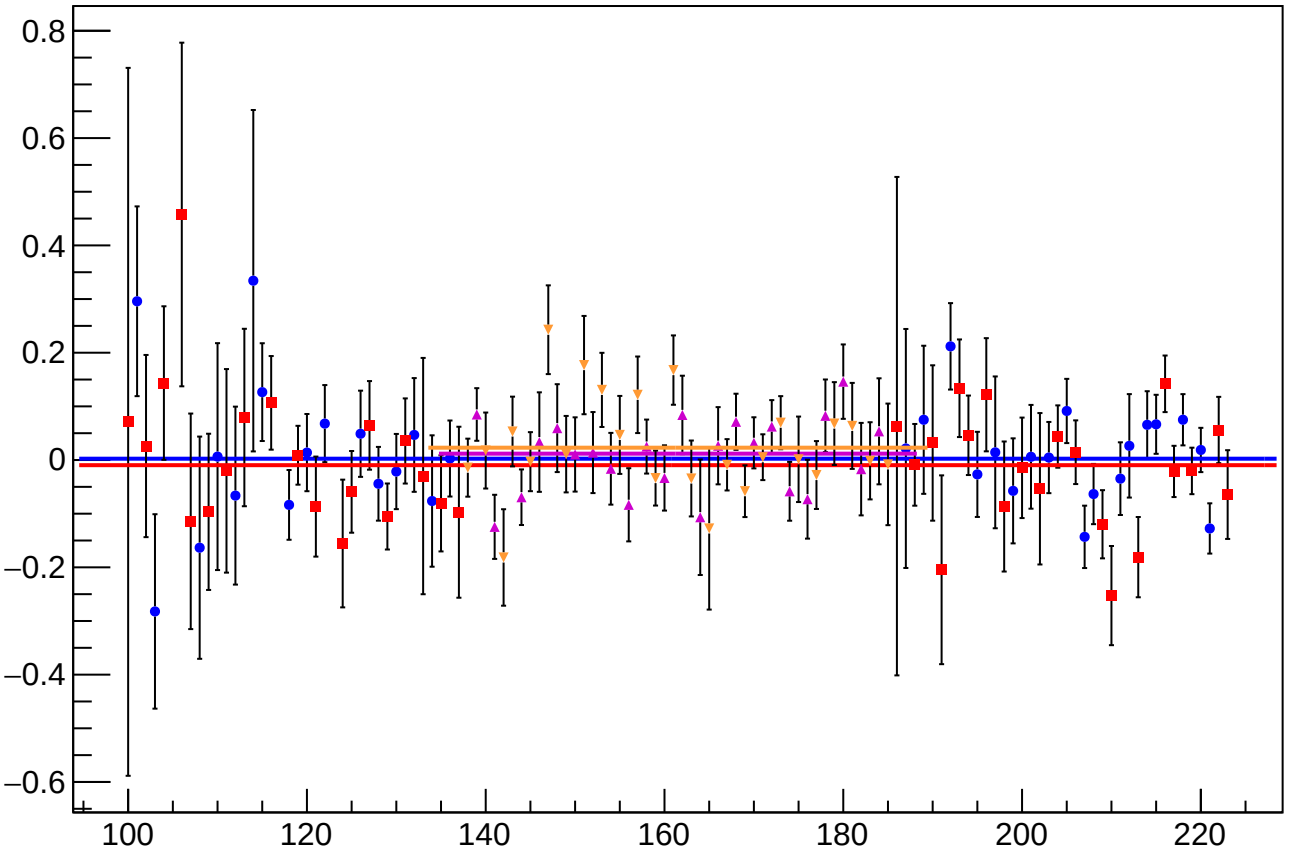
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.002+/-0.000 χ^2/NDF: 31397686.0/72

In: 0.003+/-0.000 χ^2/NDF:17072047.4/56

Out: 0.002+/-0.000 χ^2/NDF:23906311.9/63

All: 0.002+/-0.000 χ^2/NDF: 42161569.6/120



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

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

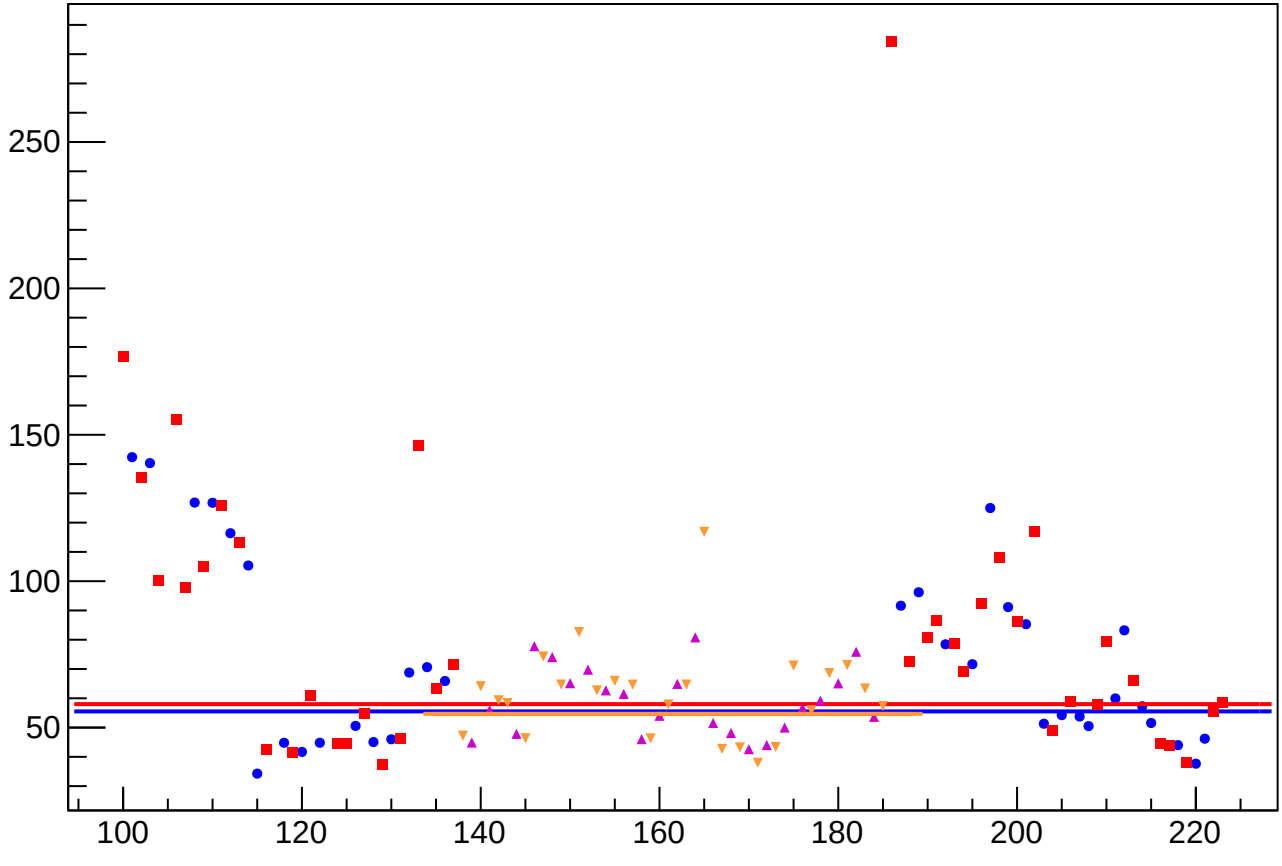
Right: -0.003+/-0.009 χ^2/NDF: 89.7/72

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.007+/-0.009 χ^2/NDF:83.1/63

All: 0.007+/-0.007 χ^2/NDF: 152.6/120

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

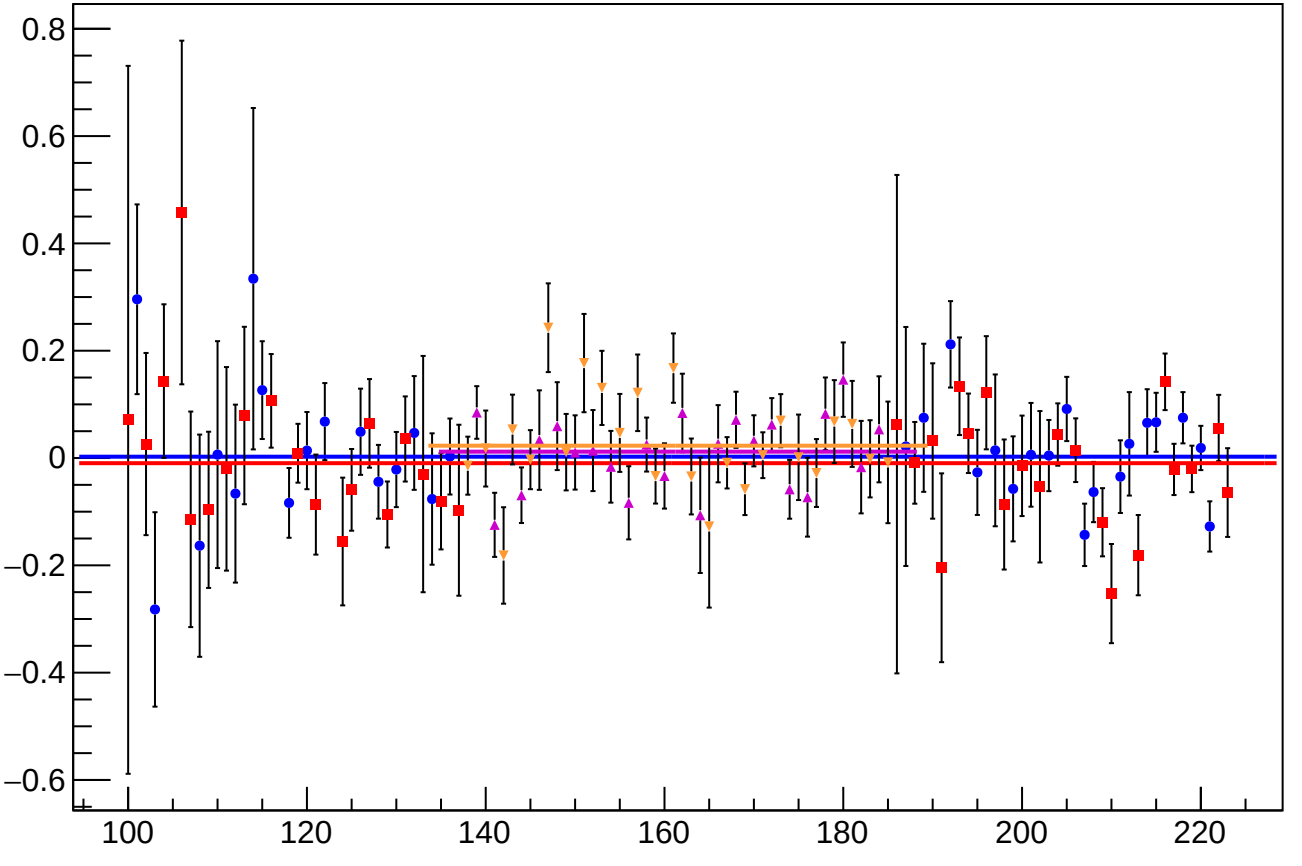
Right: 56.717+/-0.007 χ^2/NDF: 9753120.6/72

In: 55.117+/-0.007 χ^2/NDF:5565496.1/56

Out: 56.283+/-0.007 χ^2/NDF:7346938.3/63

All: 55.697+/-0.005 χ^2/NDF: 12928229.1/120

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

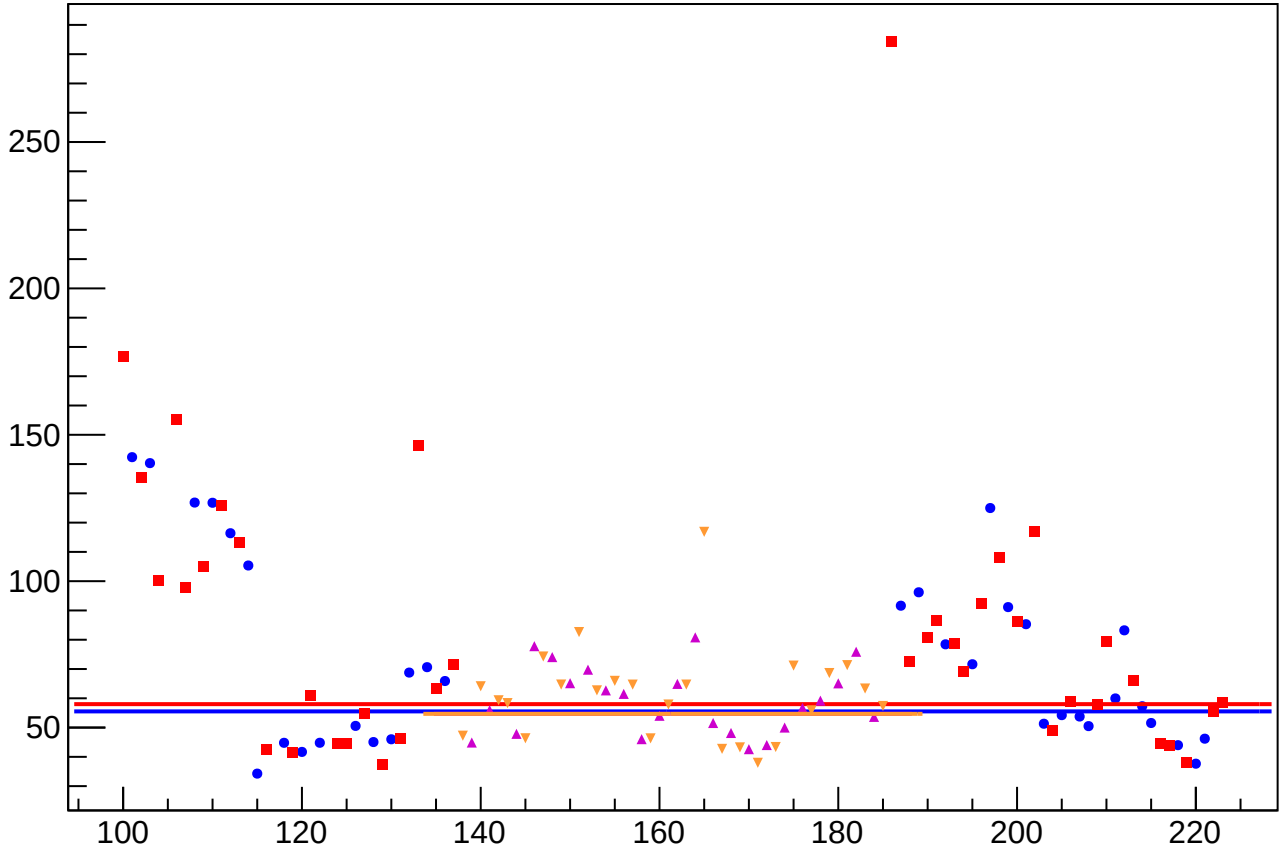
Right: -0.003+/-0.009 χ^2/NDF: 89.7/72

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.007+/-0.009 χ^2/NDF:83.1/63

All: 0.007+/-0.007 χ^2/NDF: 152.6/120

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

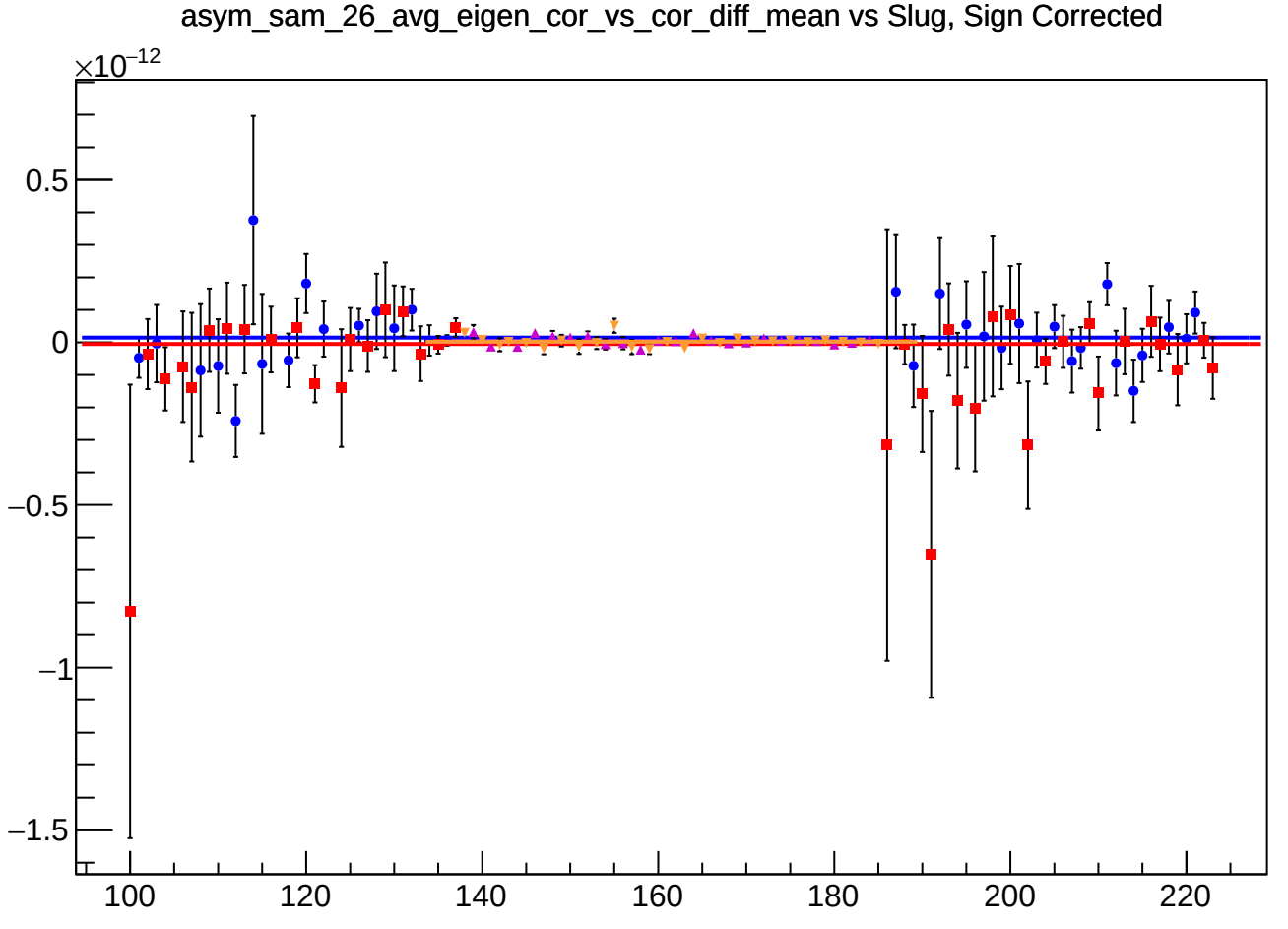
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 56.717+/-0.007 χ^2/NDF: 9753120.6/72

In: 55.117+/-0.007 χ^2/NDF:5565496.1/56

Out: 56.283+/-0.007 χ^2/NDF:7346938.3/63

All: 55.697+/-0.005 χ^2/NDF: 12928229.1/120



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

Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

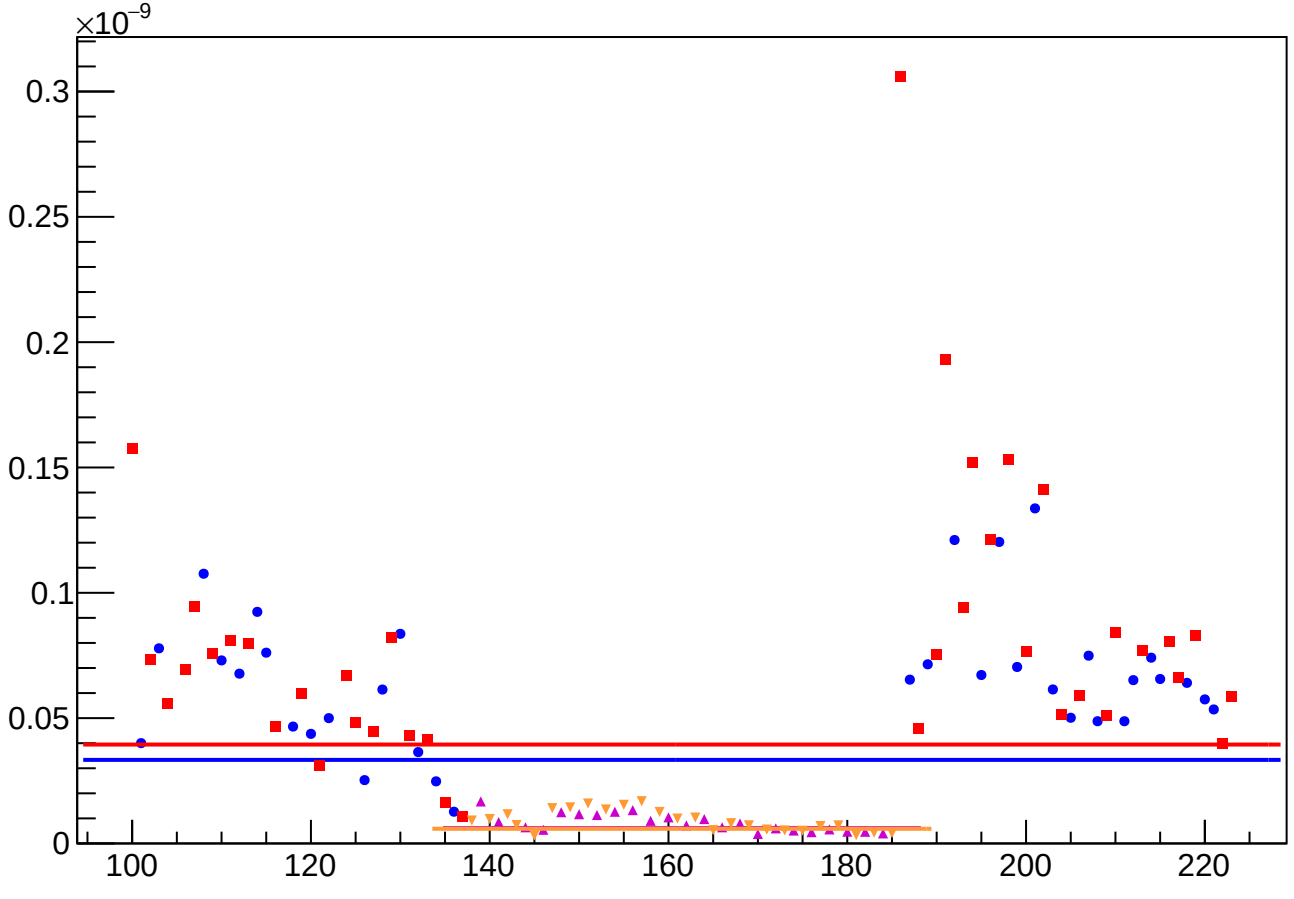
Right: 0.000+/-0.000 χ^2/NDF: 59.5/72

In: 0.000+/-0.000 χ^2/NDF:65.0/56

Out: 0.000+/-0.000 χ^2/NDF:48.4/63

All: 0.000+/-0.000 χ^2/NDF: 113.6/120

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

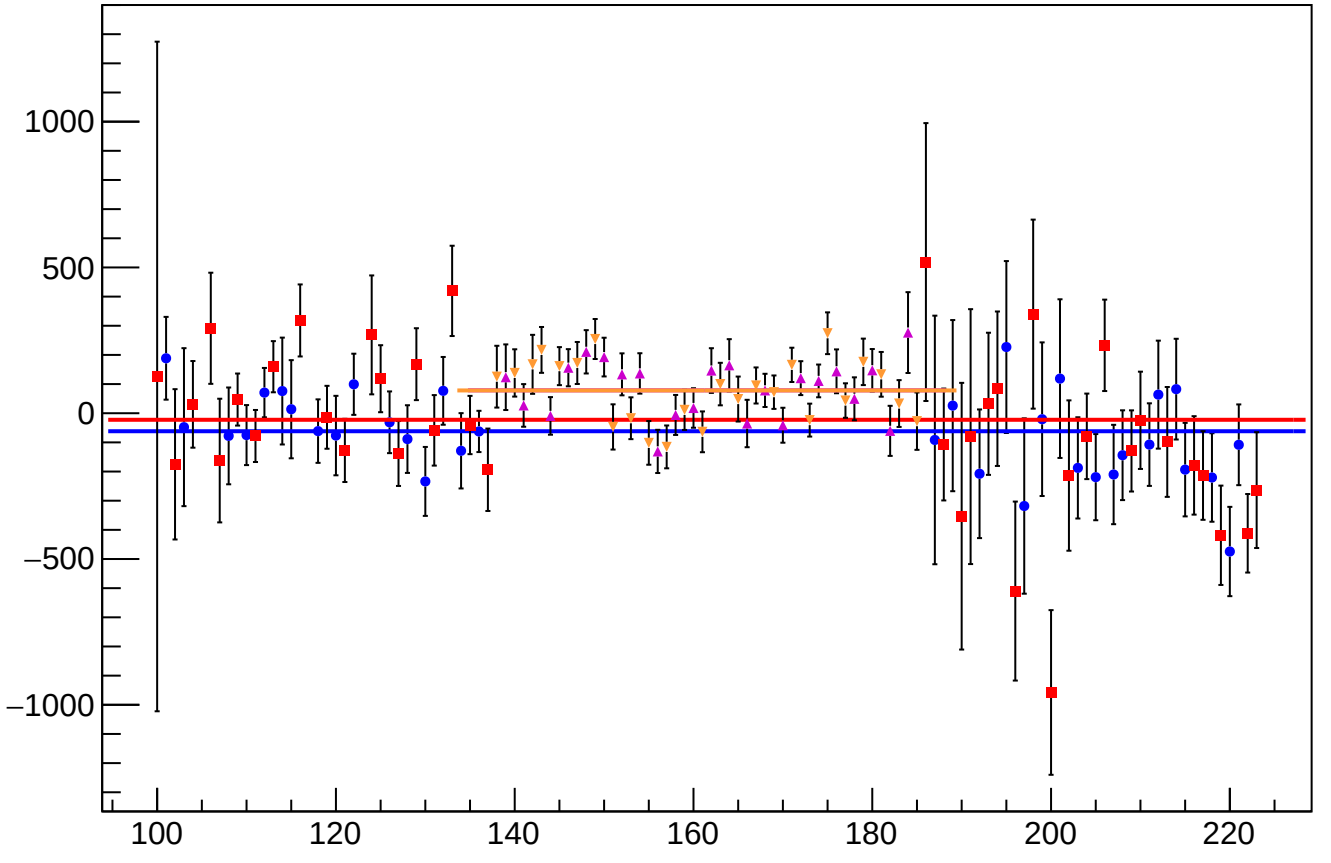
Right: 0.000+/-0.000 χ^2/NDF: 19439807.9/72

In: 0.000+/-0.000 χ^2/NDF:24610360.7/56

Out: 0.000+/-0.000 χ^2/NDF:28876685.1/63

All: 0.000+/-0.000 χ^2/NDF: 53524018.7/120

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

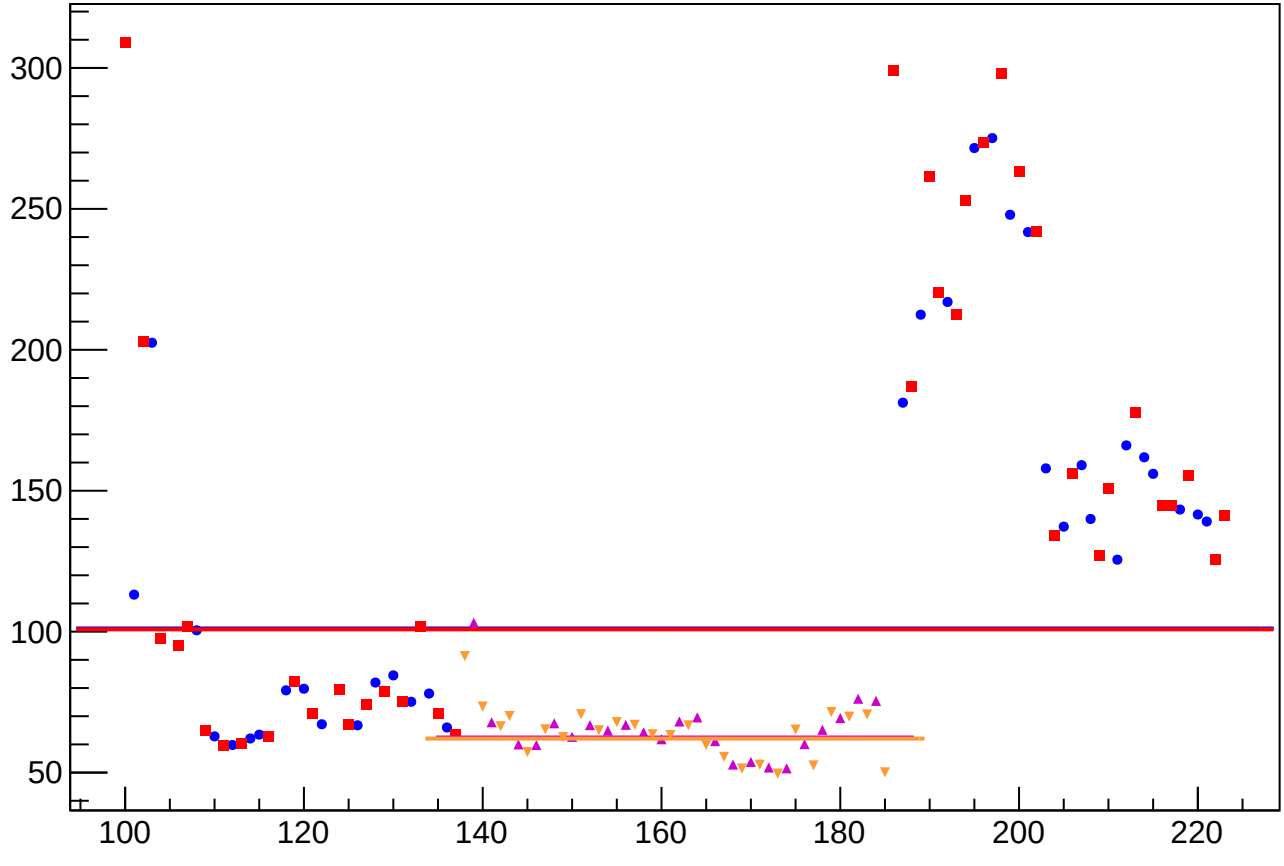
Right: -41.991+/-16.948 χ^2/NDF: 103.9/72

In: 39.926+/-12.611 χ^2/NDF:89.8/56

Out: 51.546+/-12.286 χ^2/NDF:141.1/63

All: 45.888+/-8.800 χ^2/NDF: 231.3/120

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

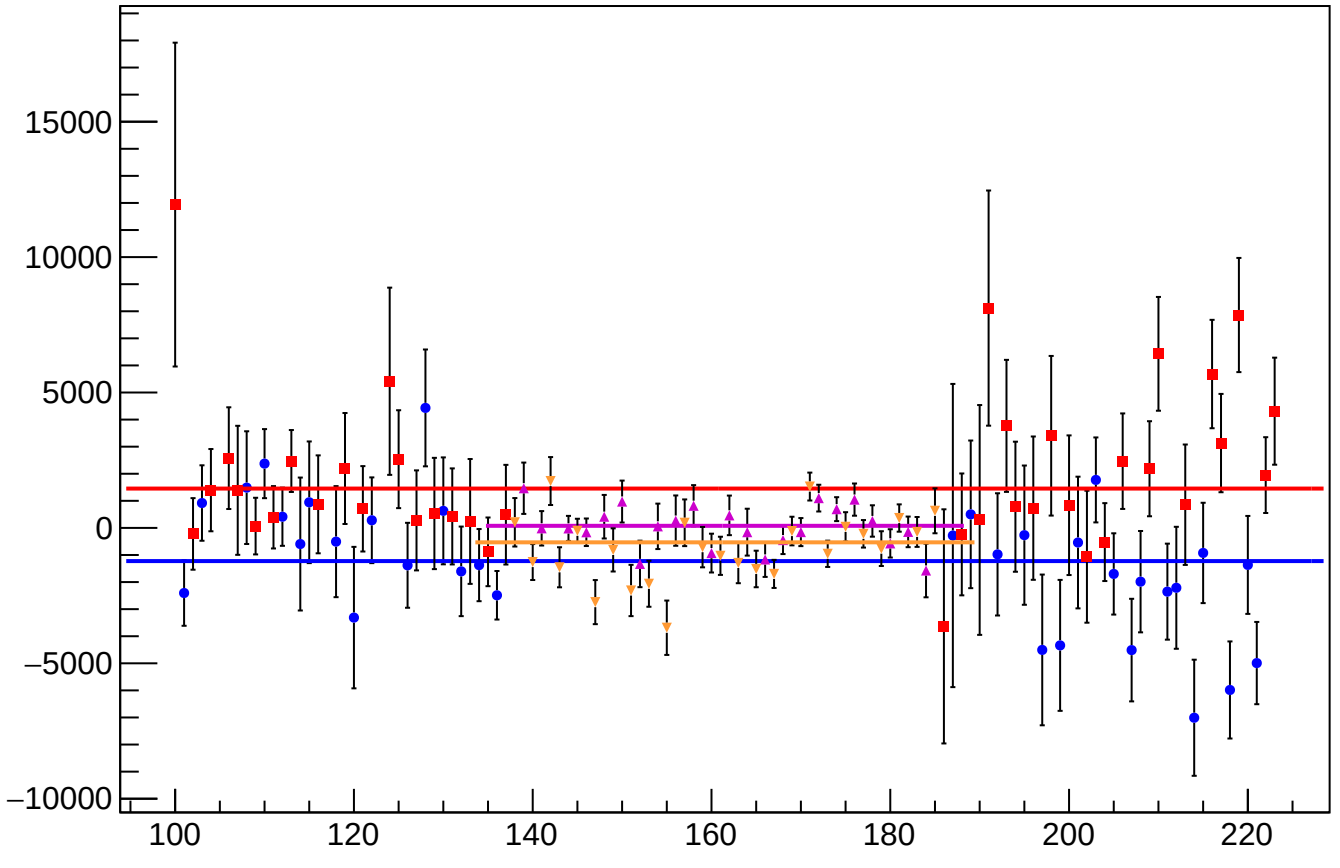
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 100.967+/-0.012 χ^2/NDF: 17054554.3/72

In: 73.085+/-0.009 χ^2/NDF:12284112.4/56

Out: 72.309+/-0.009 χ^2/NDF:13742657.3/63

All: 72.687+/-0.006 χ^2/NDF: 26030649.7/120



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

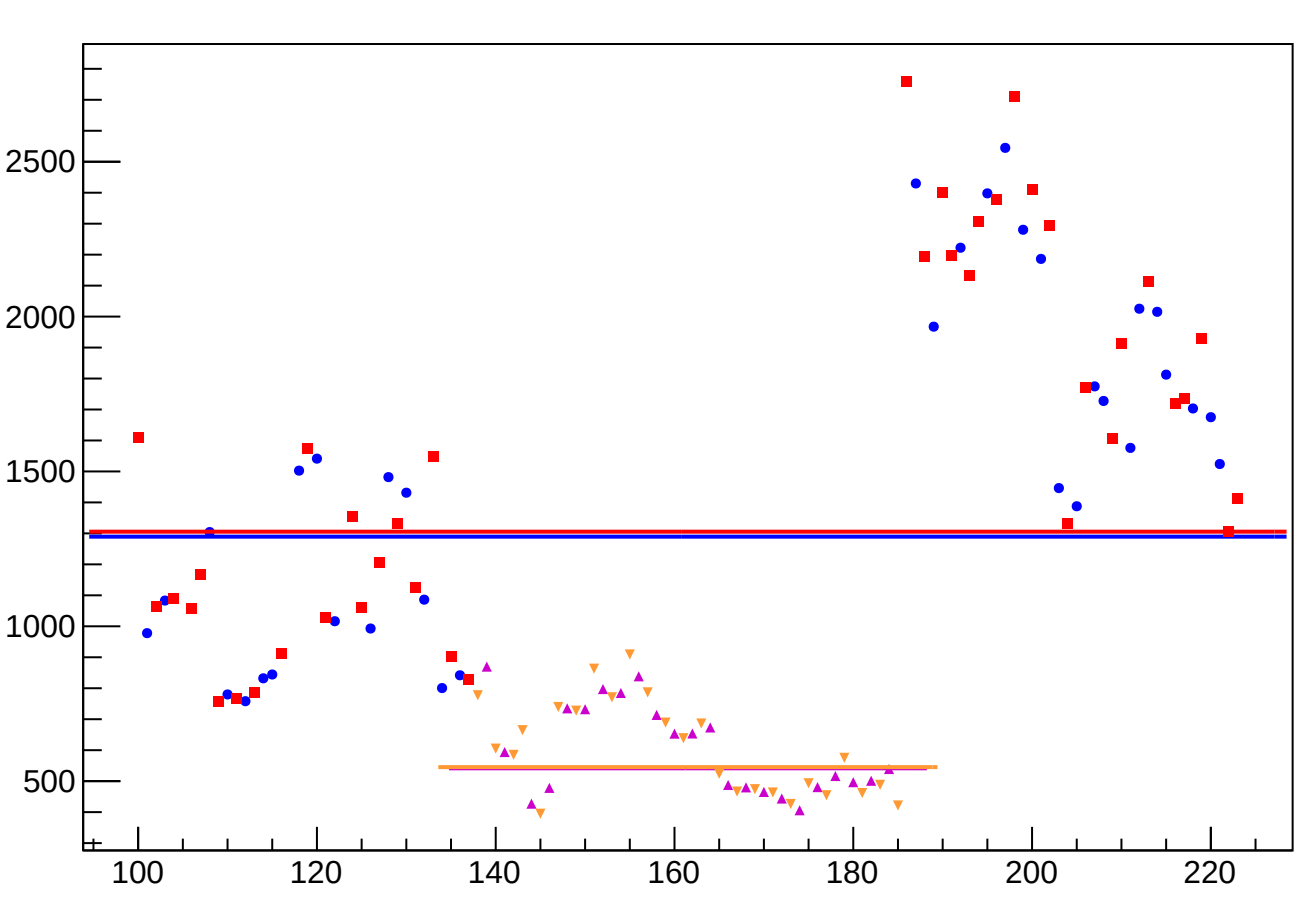
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 114.827+/-207.699 χ^2/NDF: 148.4/72

In: -136.677+/-119.127 χ^2/NDF:104.3/56

Out: -216.021+/-117.280 χ^2/NDF:154.8/63

All: -176.969+/-83.575 χ^2/NDF: 259.4/120



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

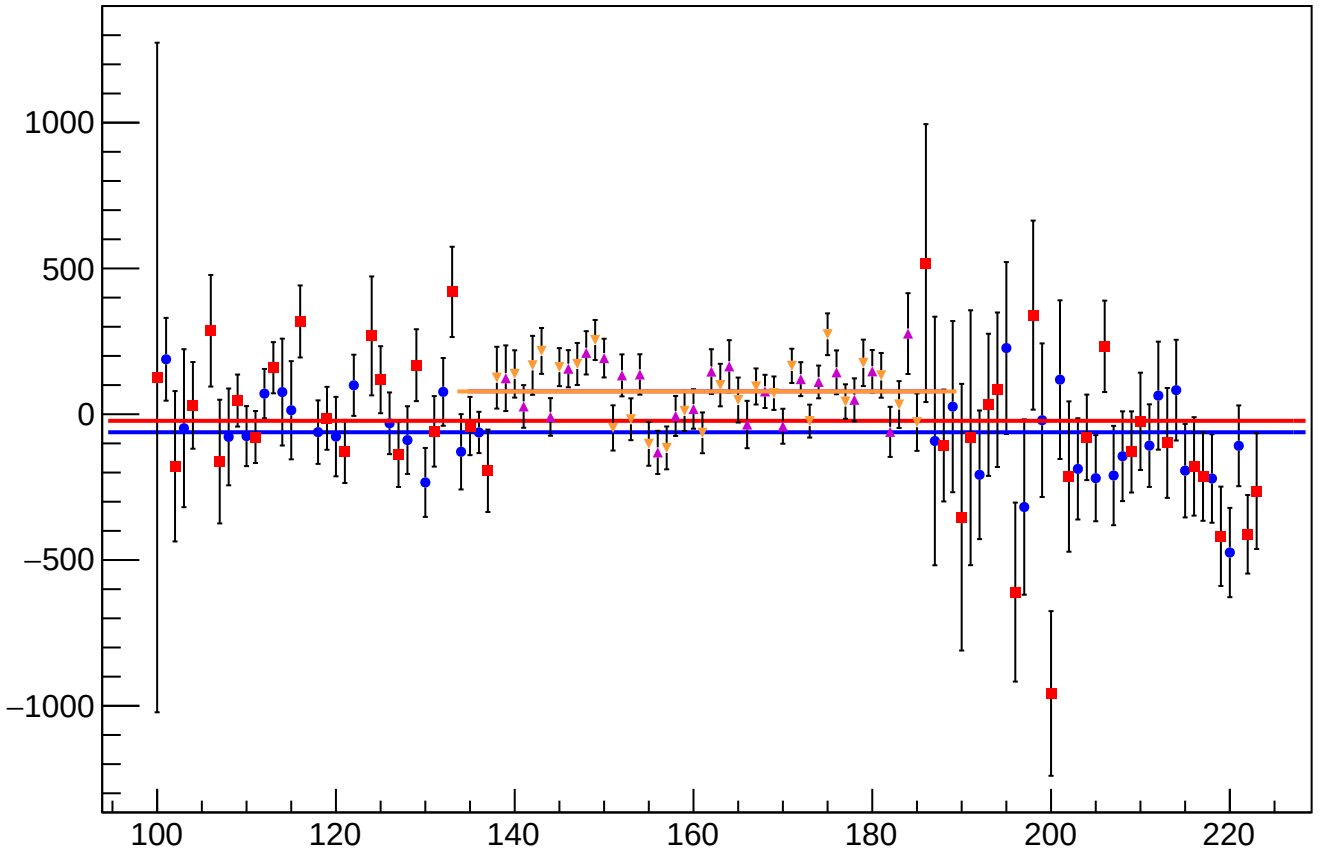
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1297.516+/-0.147 χ^2/NDF: 11221743.5/72

In: 664.407+/-0.084 χ^2/NDF:17904004.0/56

Out: 666.588+/-0.083 χ^2/NDF:19338030.9/63

All: 665.514+/-0.059 χ^2/NDF: 37242375.4/12



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

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

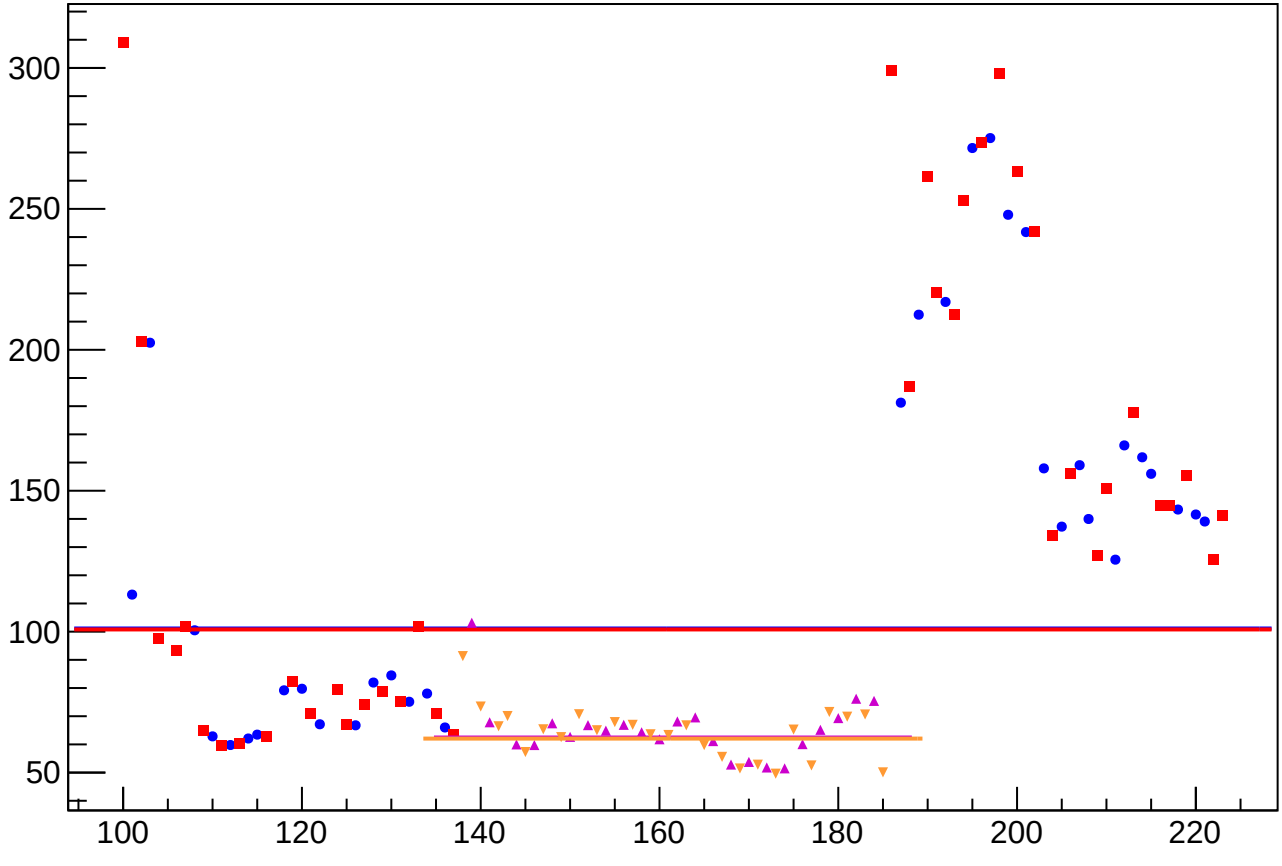
Right: -42.070+/-16.949 χ^2/NDF: 103.8/72

In: 39.924+/-12.611 χ^2/NDF:89.8/56

Out: 51.513+/-12.287 χ^2/NDF:141.0/63

All: 45.869+/-8.800 χ^2/NDF: 231.2/120

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

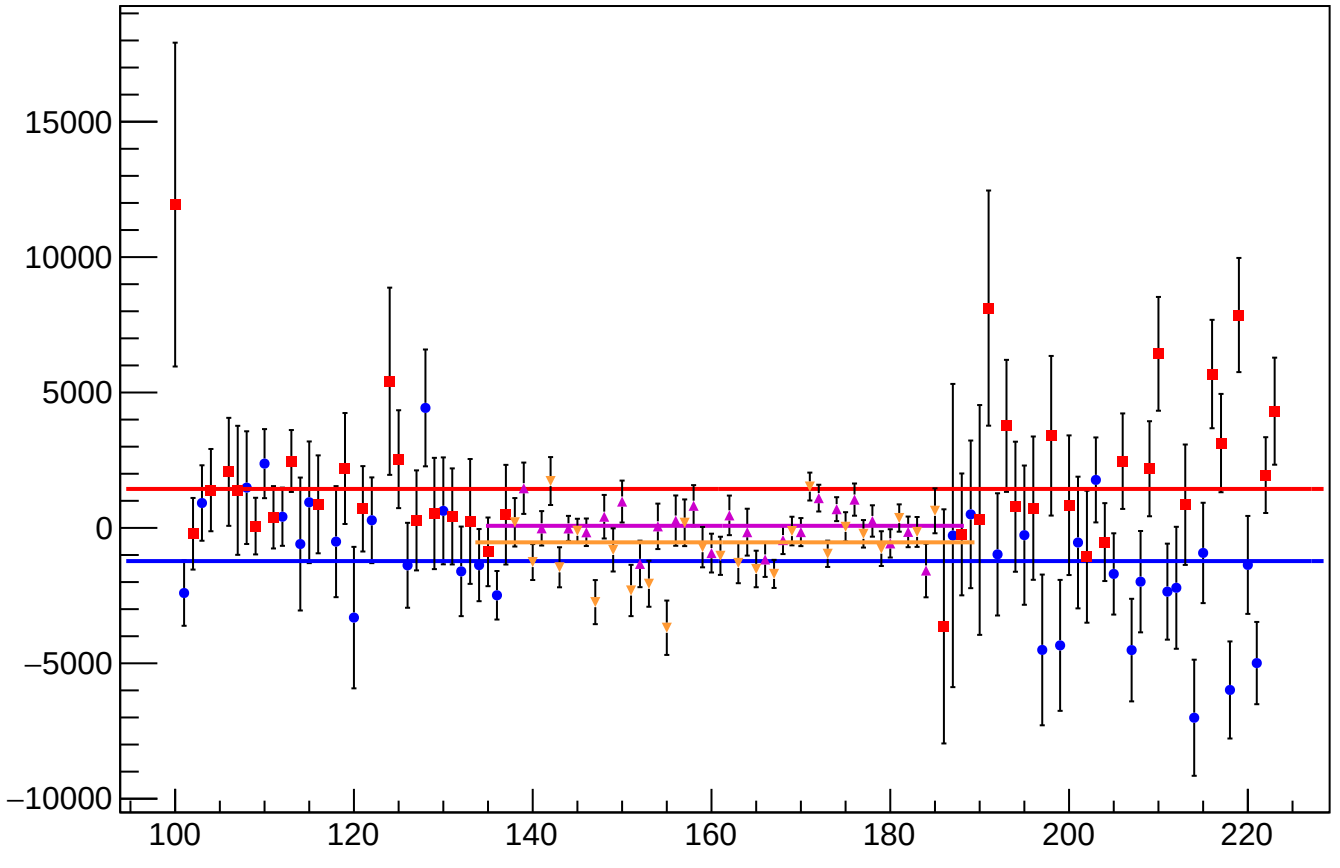
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 100.954+/-0.012 χ^2/NDF: 17056021.8/72

In: 73.085+/-0.009 χ^2/NDF:12284114.4/56

Out: 72.301+/-0.009 χ^2/NDF:13738563.1/63

All: 72.683+/-0.006 χ^2/NDF: 26026636.5/120



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

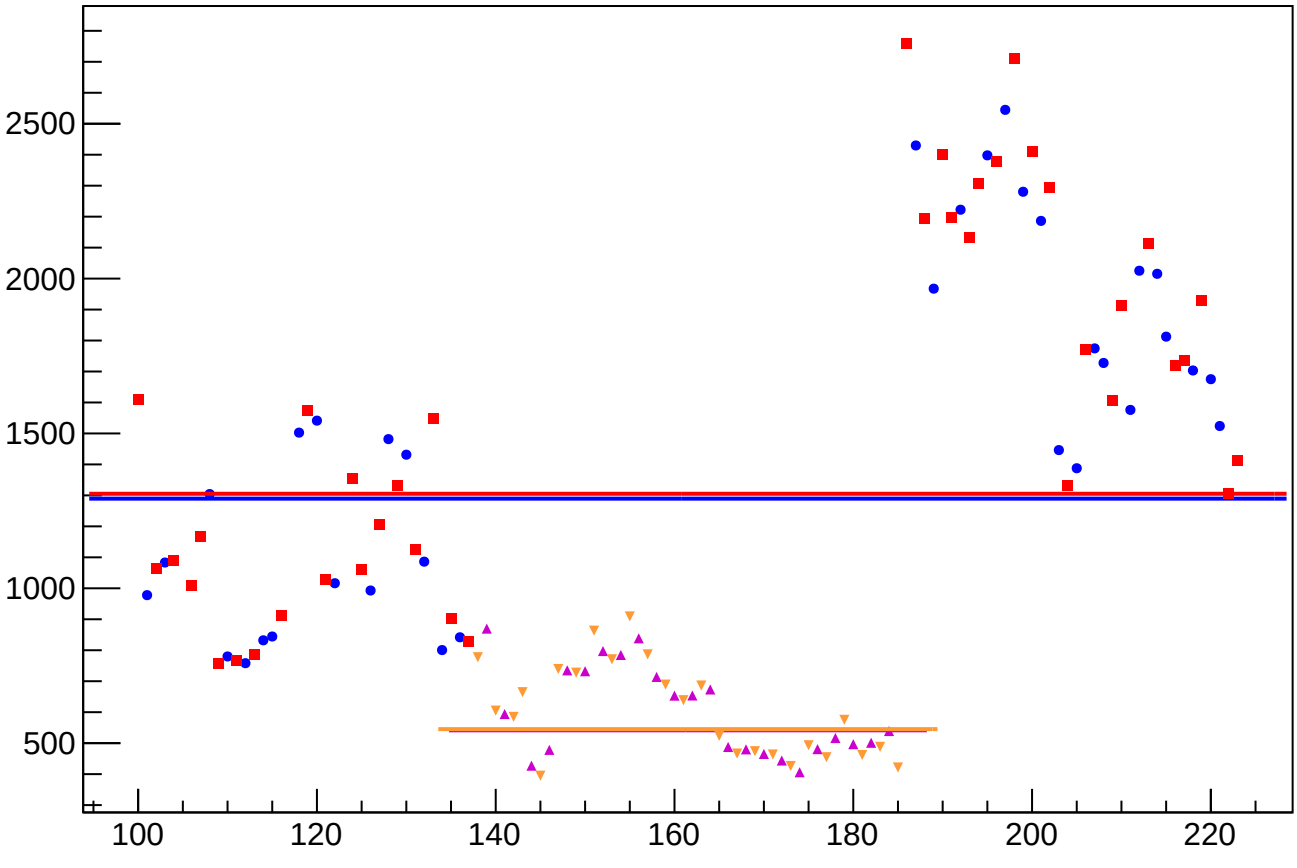
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 106.120+/-207.847 χ^2/NDF: 147.6/72

In: -136.676+/-119.127 χ^2/NDF:104.3/56

Out: -218.944+/-117.306 χ^2/NDF:154.0/63

All: -178.443+/-83.584 χ^2/NDF: 258.5/120



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

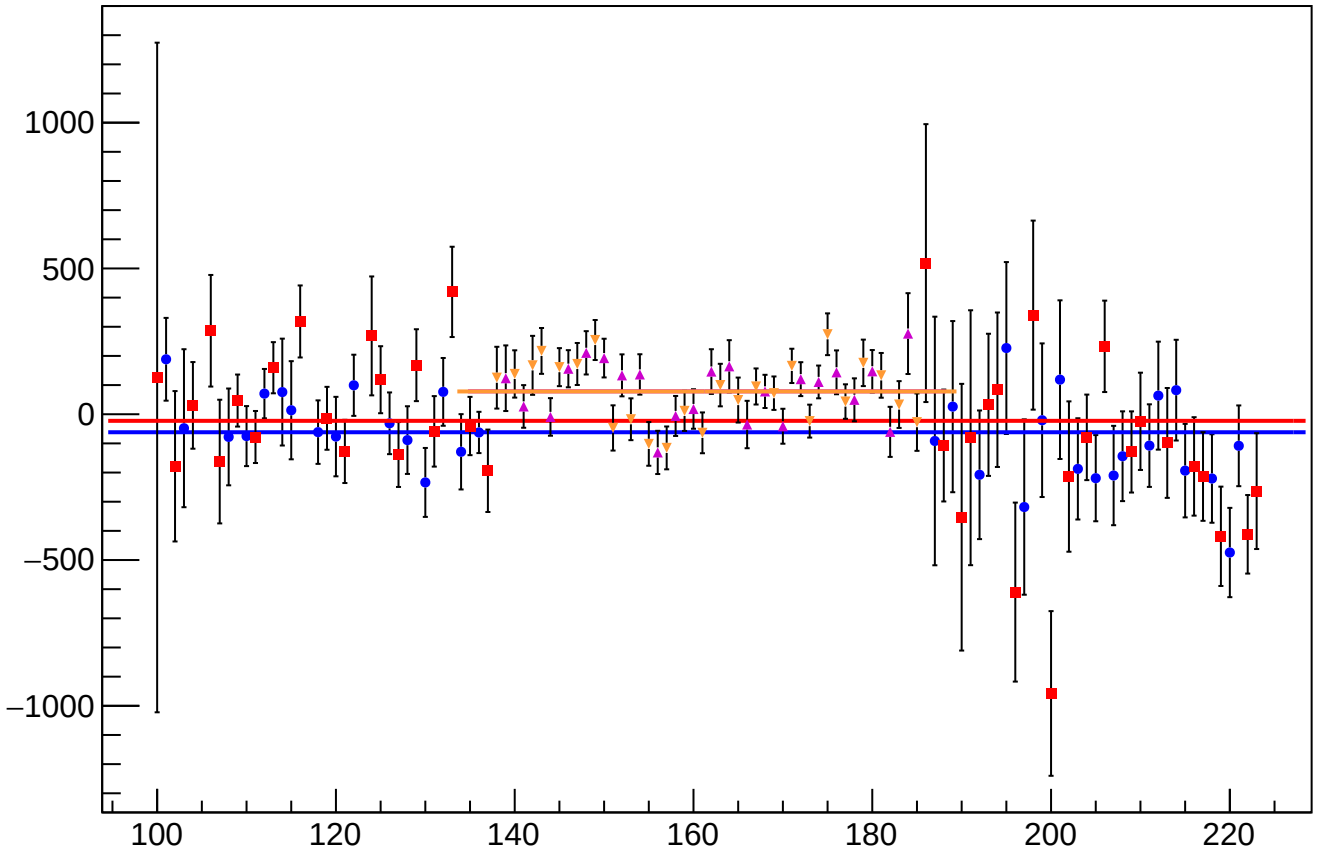
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1297.357+/-0.147 χ^2/NDF: 11230277.4/72

In: 664.407+/-0.084 χ^2/NDF:17904059.8/56

Out: 666.250+/-0.083 χ^2/NDF:19310871.5/63

All: 665.343+/-0.059 χ^2/NDF: 37215174.4/12



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

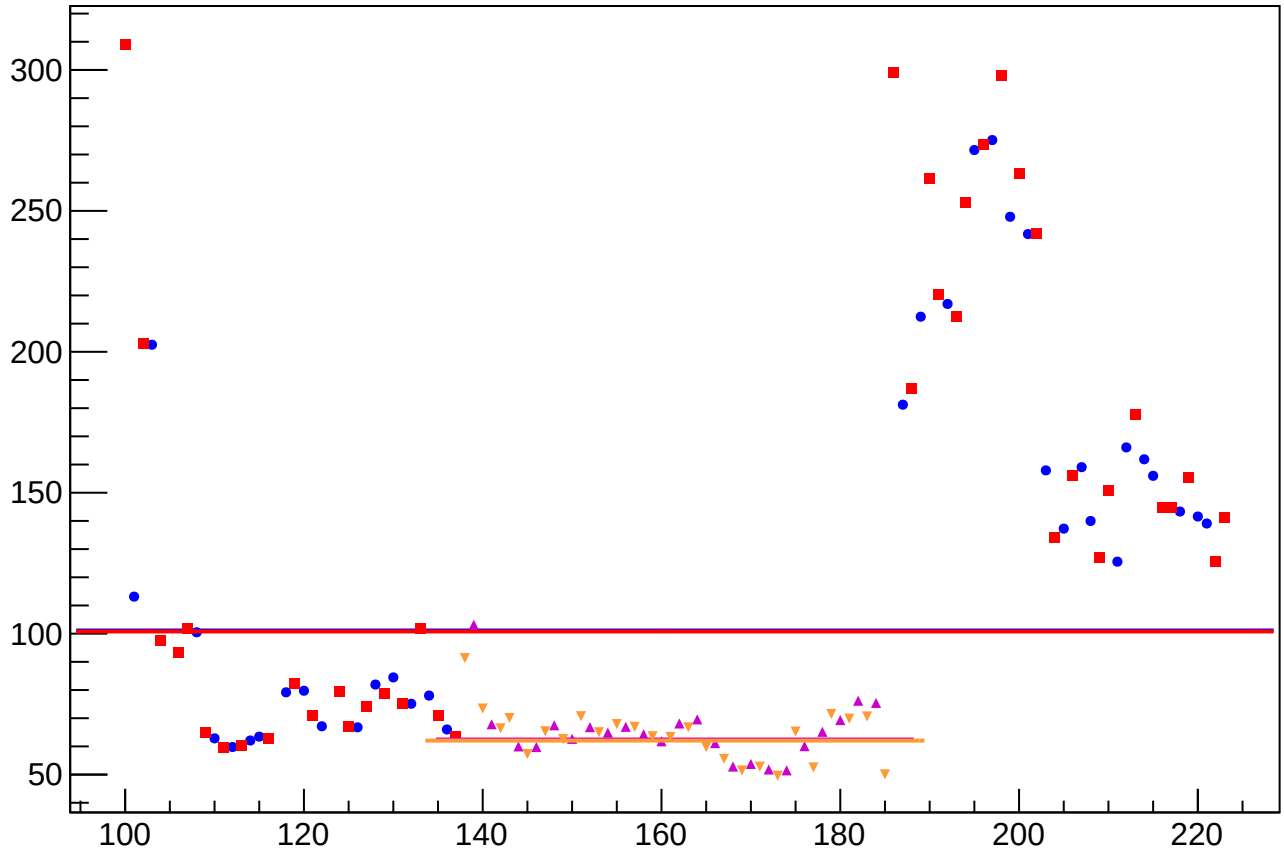
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -42.070+/-16.949 χ^2/NDF: 103.8/72

In: 39.924+/-12.611 χ^2/NDF:89.8/56

Out: 51.513+/-12.287 χ^2/NDF:141.0/63

All: 45.869+/-8.800 χ^2/NDF: 231.2/120



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

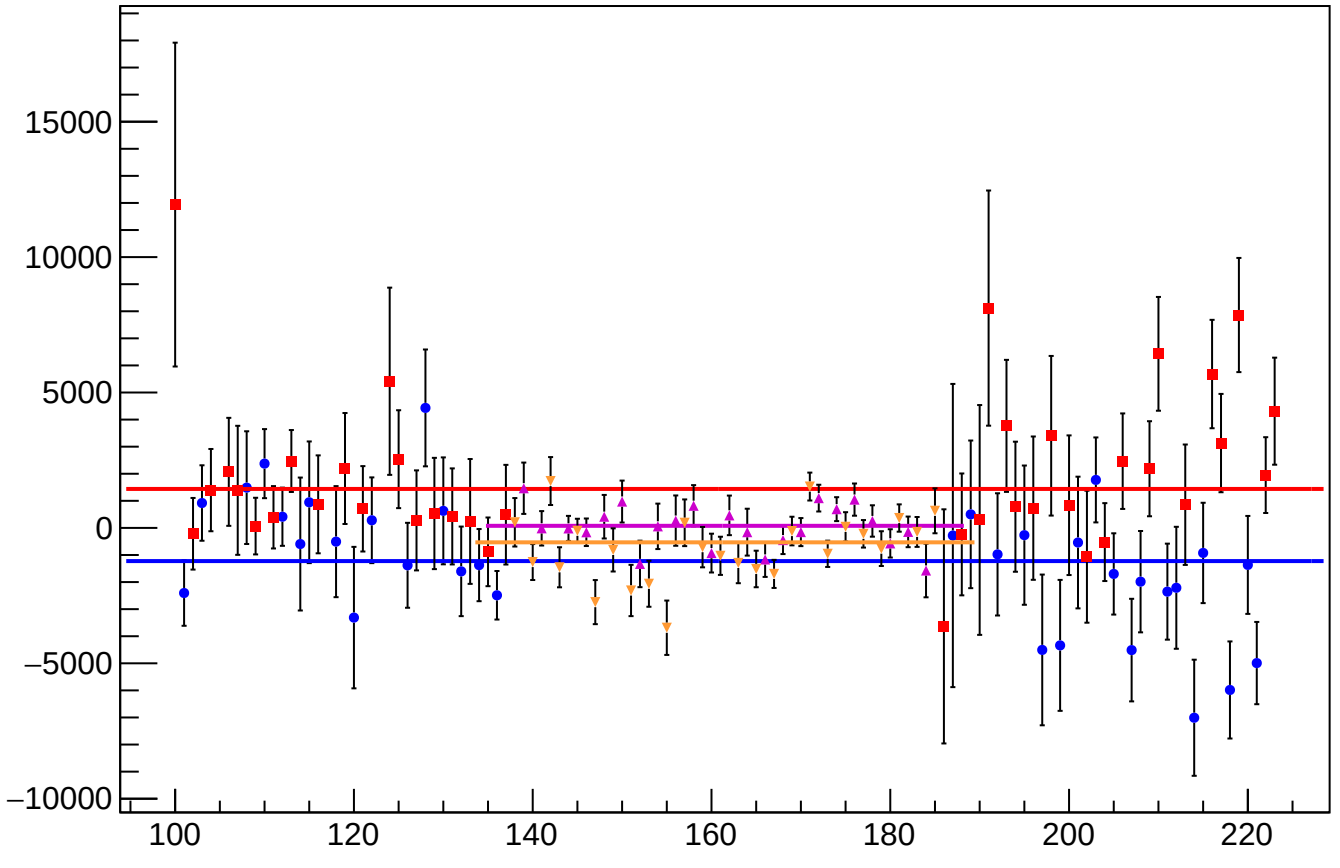
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 100.954+/-0.012 χ^2/NDF: 17056021.8/72

In: 73.085+/-0.009 χ^2/NDF:12284114.4/56

Out: 72.301+/-0.009 χ^2/NDF:13738563.1/63

All: 72.683+/-0.006 χ^2/NDF: 26026636.5/120



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

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

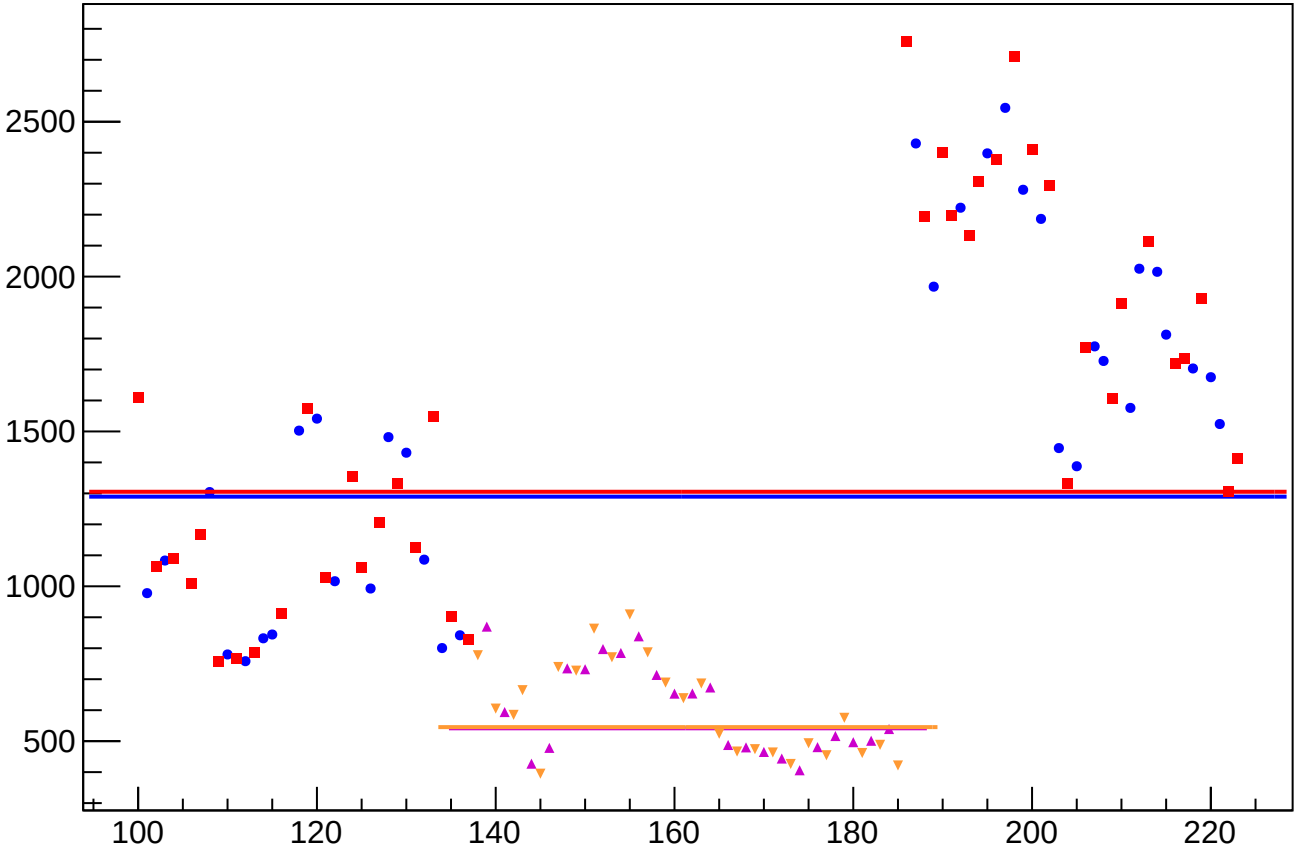
Right: 106.120+/-207.847 χ^2/NDF: 147.6/72

In: -136.676+/-119.127 χ^2/NDF:104.3/56

Out: -218.944+/-117.306 χ^2/NDF:154.0/63

All: -178.443+/-83.584 χ^2/NDF: 258.5/120

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

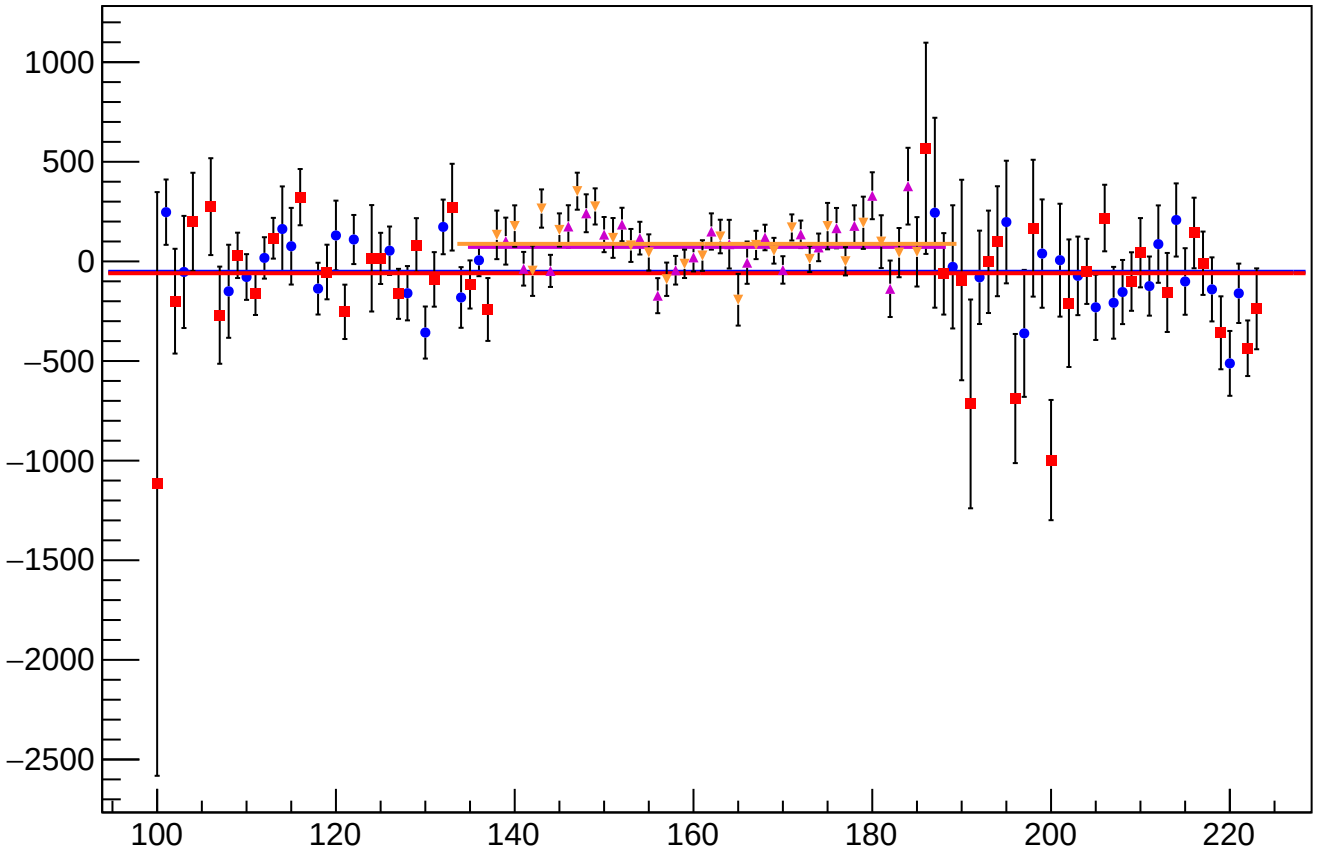
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1297.357+/-0.147 χ^2/NDF: 11230277.4/72

In: 664.407+/-0.084 χ^2/NDF:17904059.8/56

Out: 666.250+/-0.083 χ^2/NDF:19310871.5/63

All: 665.343+/-0.059 χ^2/NDF: 37215174.4/12



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

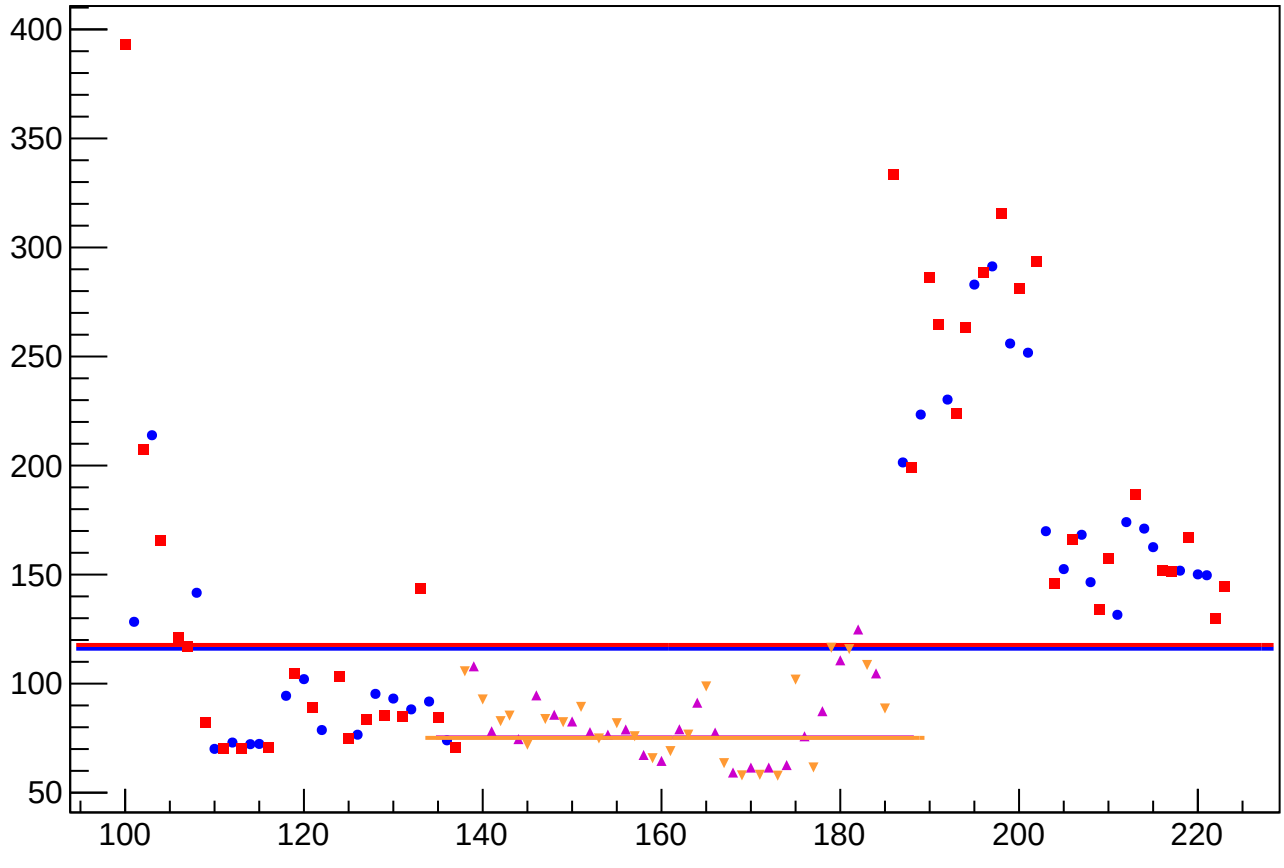
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -55.636+/-19.366 χ^2/NDF: 93.2/72

In: 34.076+/-15.176 χ^2/NDF:88.5/56

Out: 44.813+/-14.916 χ^2/NDF:114.7/63

All: 39.537+/-10.638 χ^2/NDF: 203.5/120



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

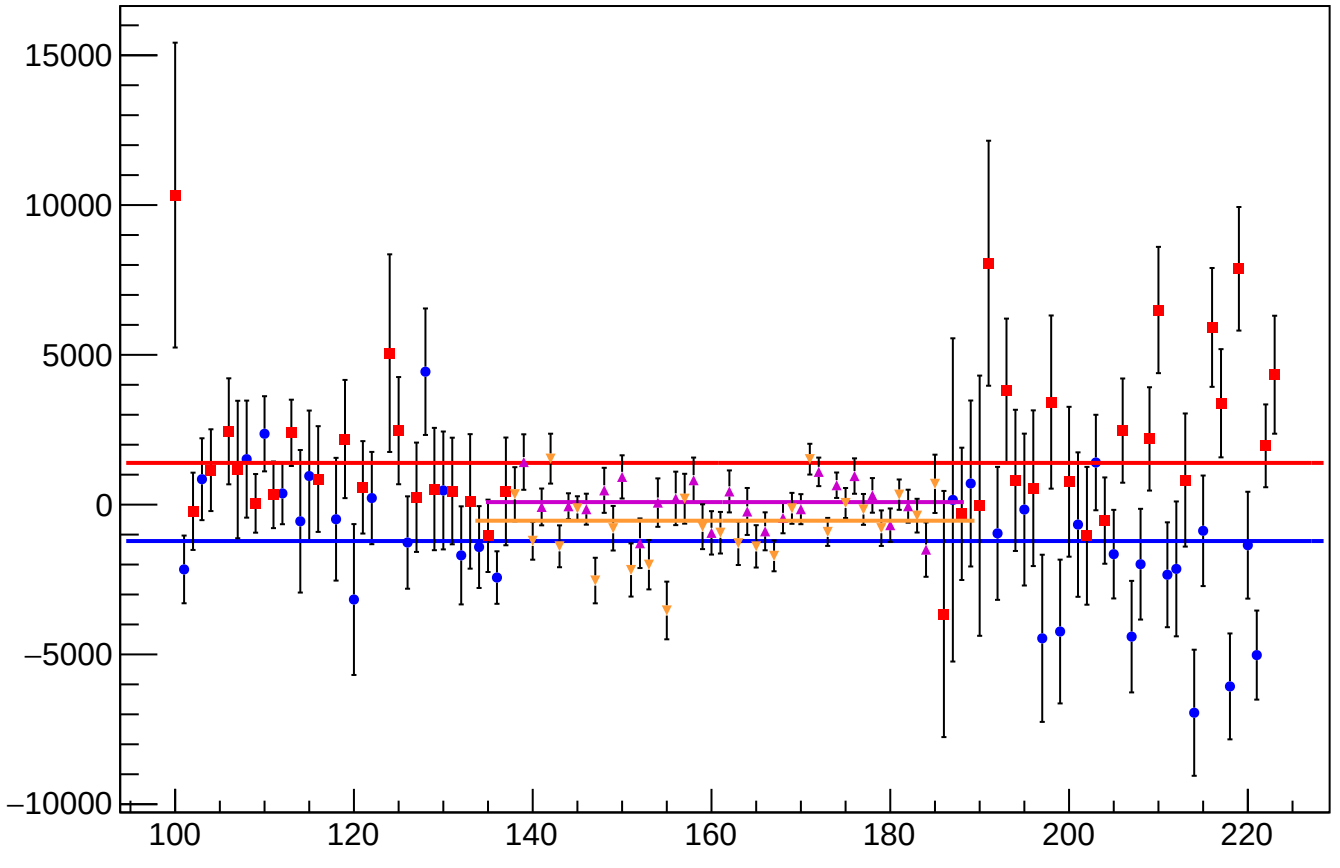
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 116.871+/-0.014 χ^2/NDF: 14651220.8/72

In: 87.987+/-0.011 χ^2/NDF:10961724.0/56

Out: 87.627+/-0.011 χ^2/NDF:12968761.3/63

All: 87.804+/-0.008 χ^2/NDF: 23931055.1/120



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

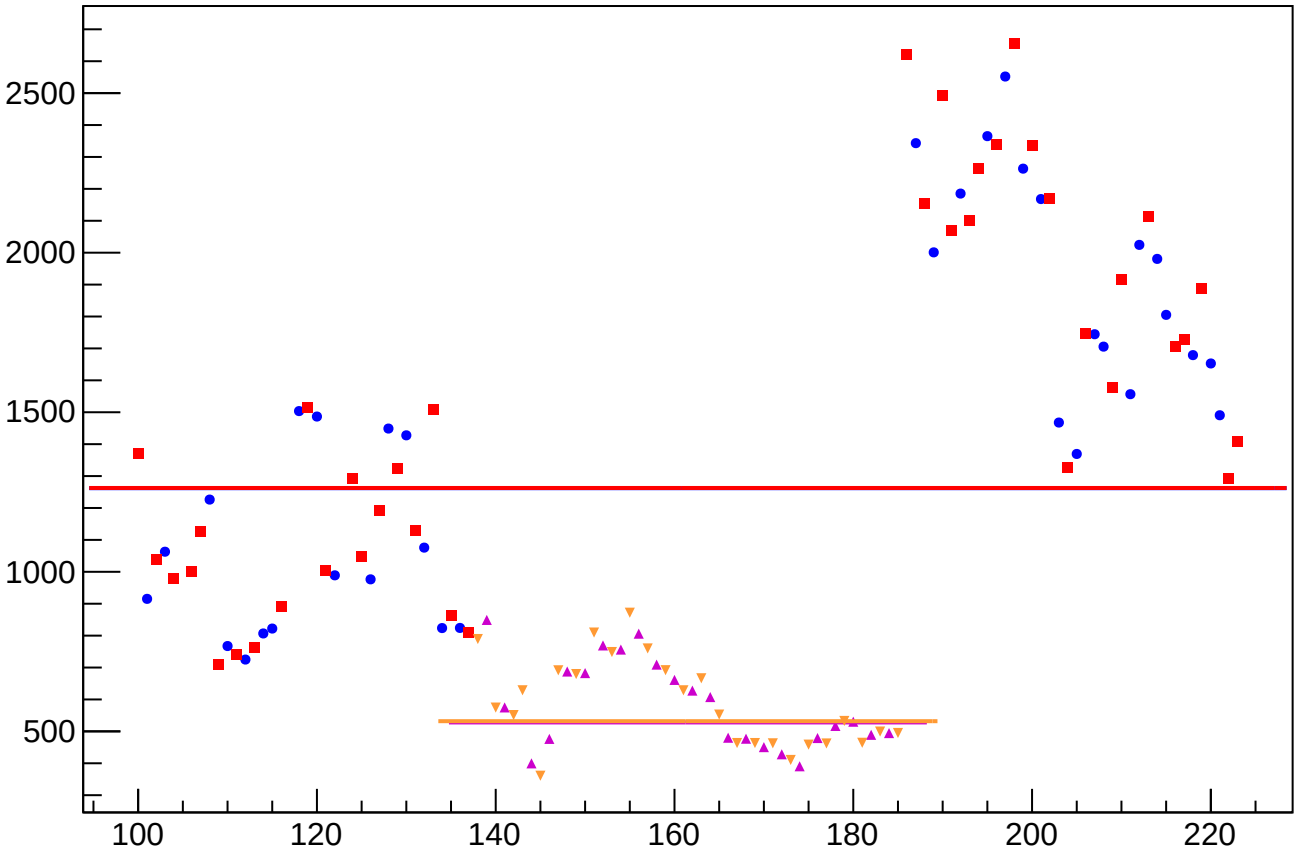
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 103.069+/-202.651 χ^2/NDF: 152.3/72

In: -126.841+/-116.245 χ^2/NDF:104.4/56

Out: -227.763+/-114.069 χ^2/NDF:156.6/63

All: -178.255+/-81.418 χ^2/NDF: 261.3/120



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

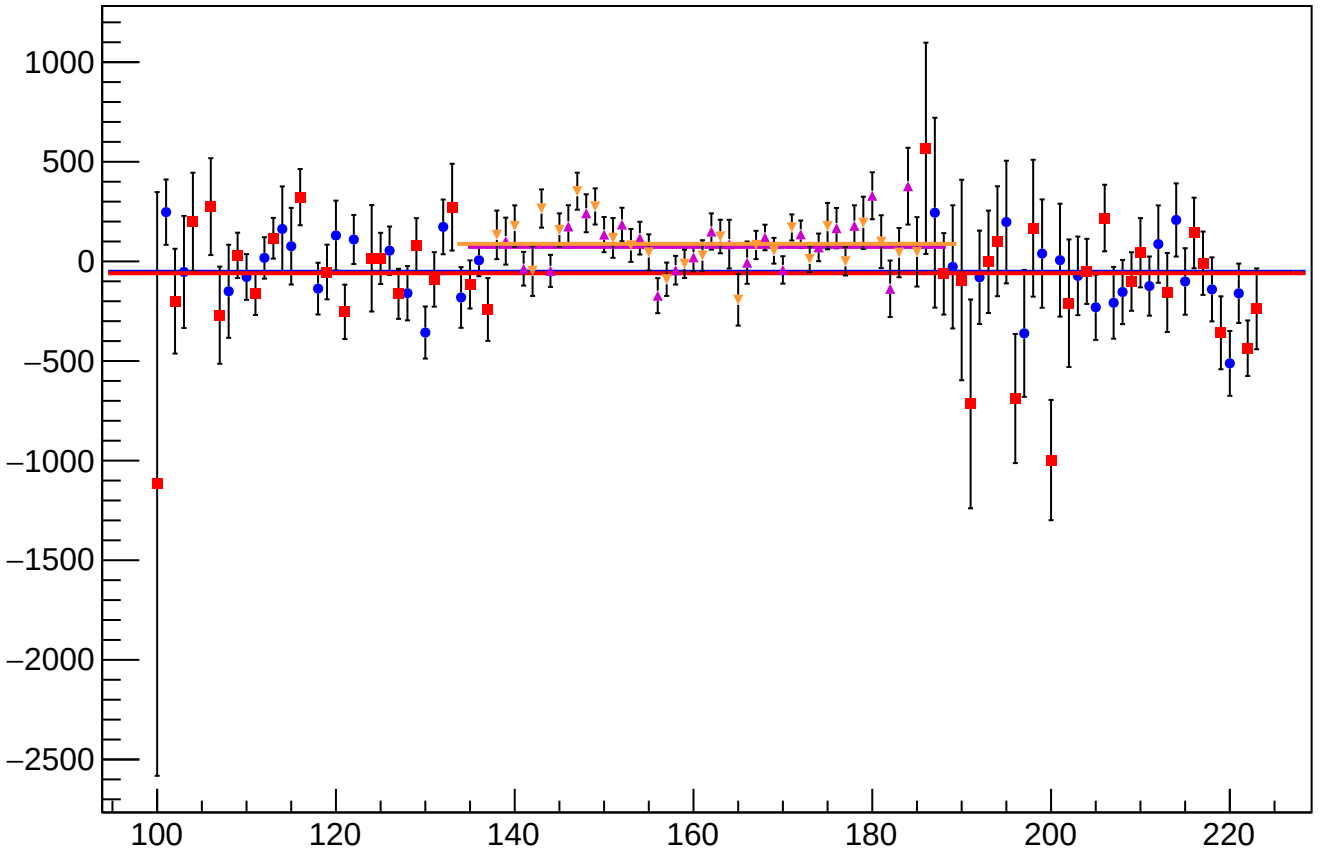
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1262.365+/-0.143 χ^2/NDF: 11720133.5/72

In: 647.424+/-0.082 χ^2/NDF:18090548.3/56

Out: 648.921+/-0.081 χ^2/NDF:19375026.4/63

All: 648.187+/-0.058 χ^2/NDF: 37465743.7/12



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

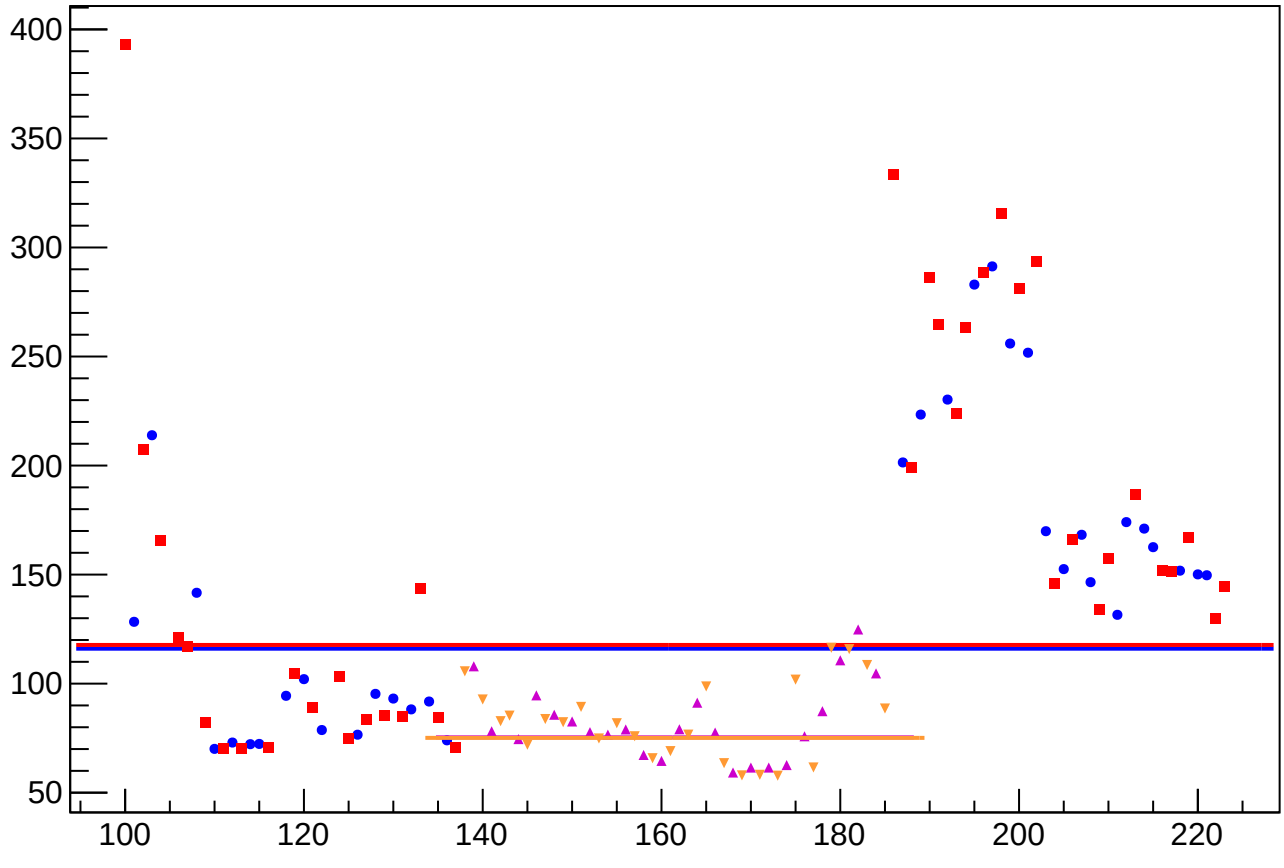
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -55.637+/-19.366 χ^2/NDF: 93.2/72

In: 34.076+/-15.176 χ^2/NDF:88.5/56

Out: 44.813+/-14.916 χ^2/NDF:114.7/63

All: 39.537+/-10.638 χ^2/NDF: 203.5/120



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

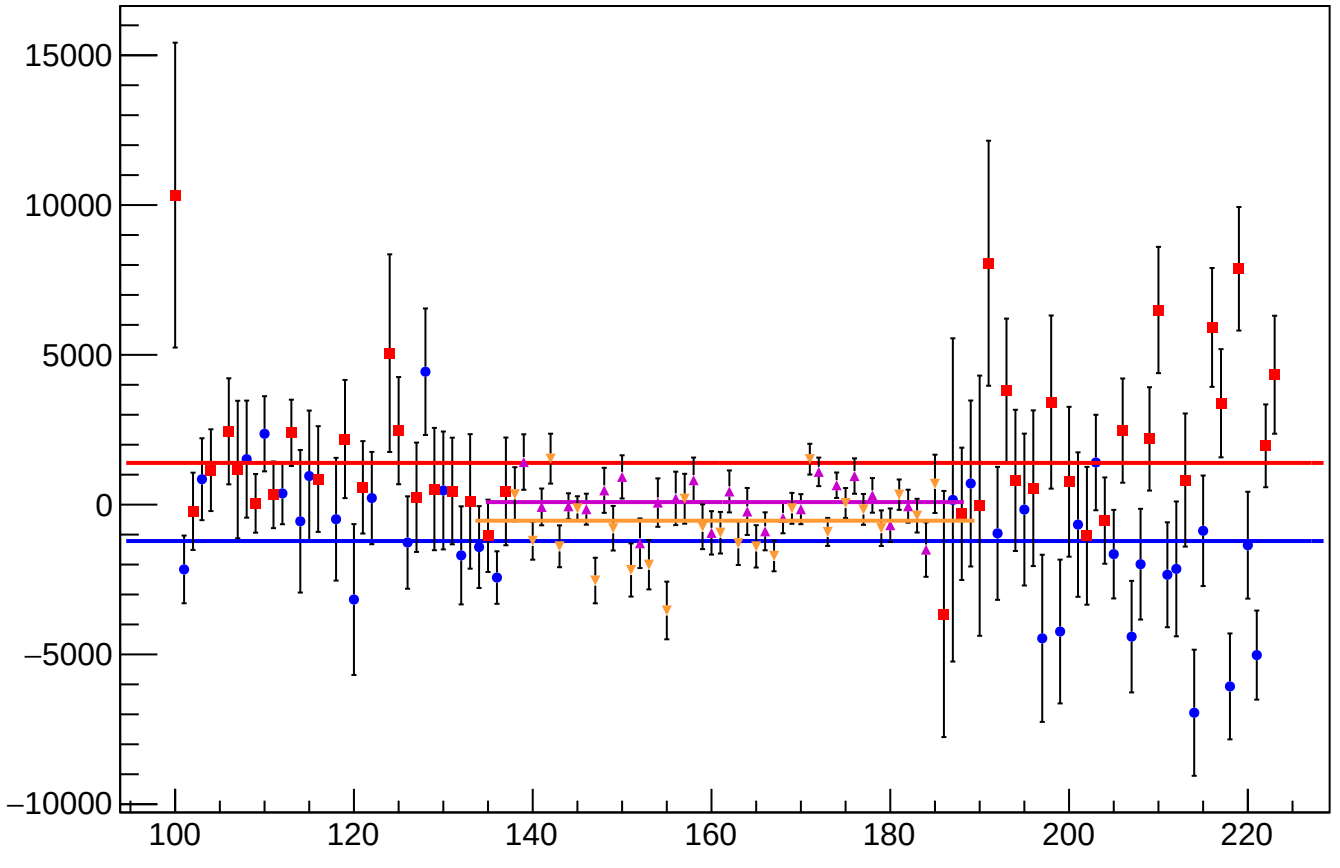
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 116.871+/-0.014 χ^2/NDF: 14651104.8/72

In: 87.987+/-0.011 χ^2/NDF:10961674.4/56

Out: 87.628+/-0.011 χ^2/NDF:12968717.8/63

All: 87.804+/-0.008 χ^2/NDF: 23930961.8/120



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

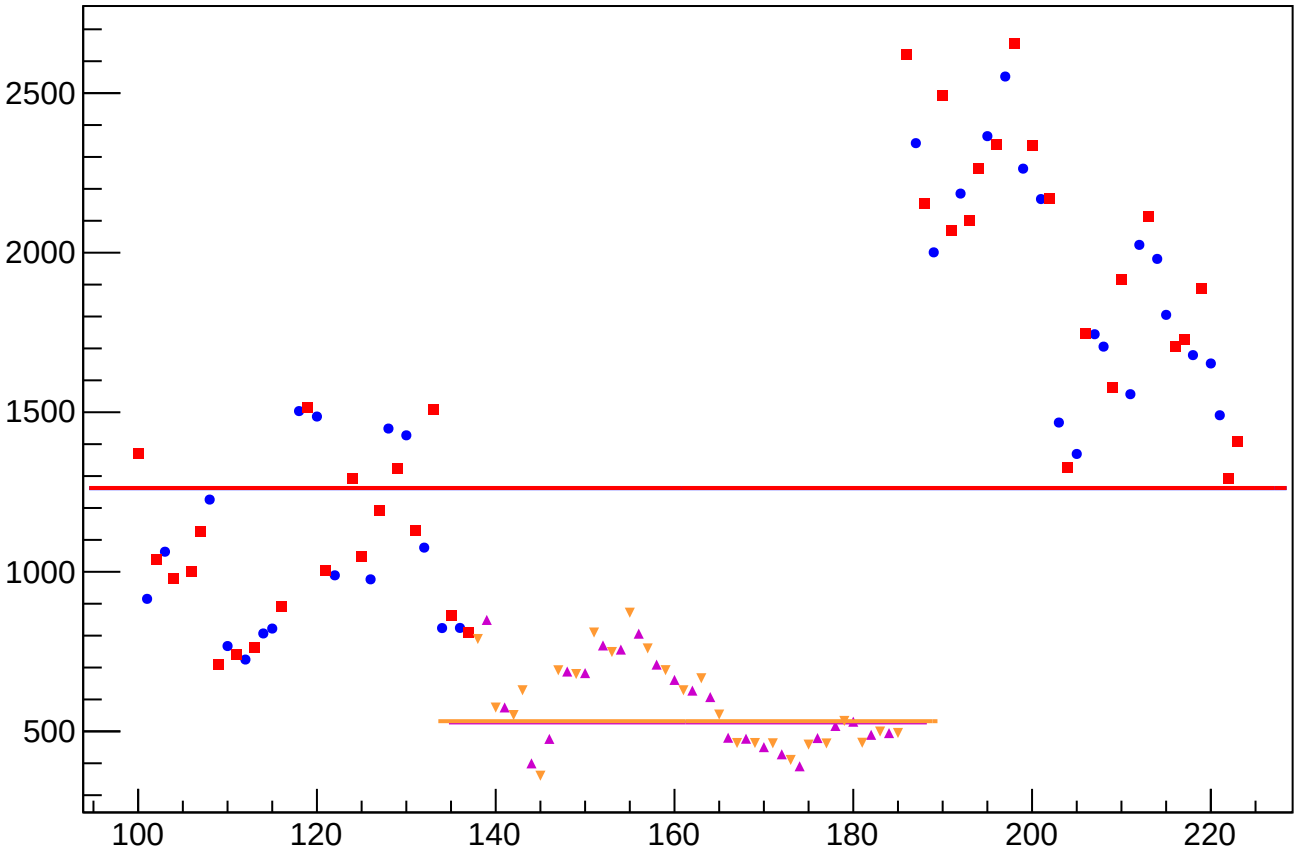
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 103.069+/-202.651 χ^2/NDF: 152.3/72

In: -126.841+/-116.245 χ^2/NDF:104.4/56

Out: -227.763+/-114.069 χ^2/NDF:156.6/63

All: -178.255+/-81.417 χ^2/NDF: 261.3/120



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

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

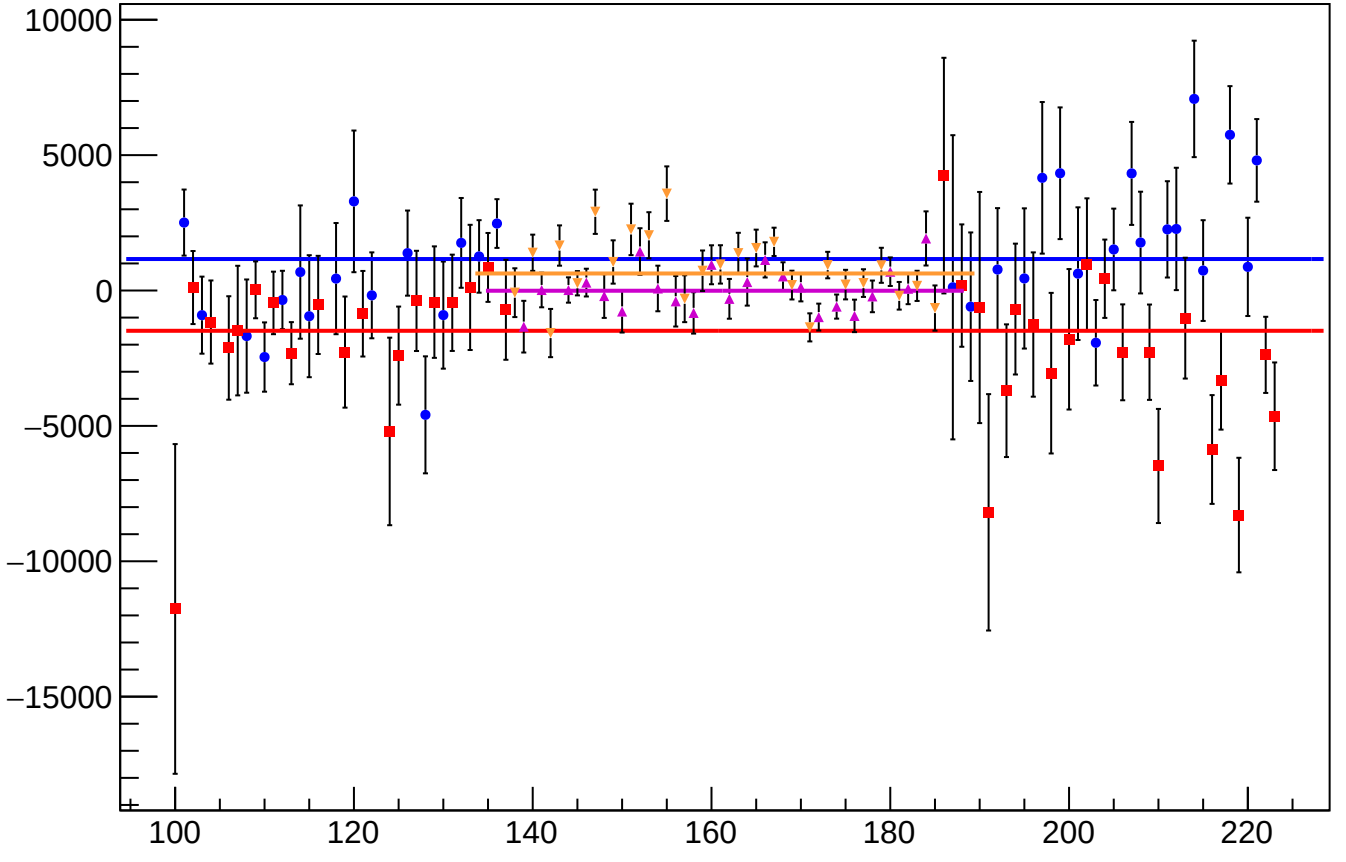
Right: 1262.363+/-0.143 χ^2/NDF: 11720168.5/72

In: 647.423+/-0.082 χ^2/NDF:18090538.3/56

Out: 648.921+/-0.081 χ^2/NDF:19375014.4/63

All: 648.186+/-0.058 χ^2/NDF: 37465721.8/12

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

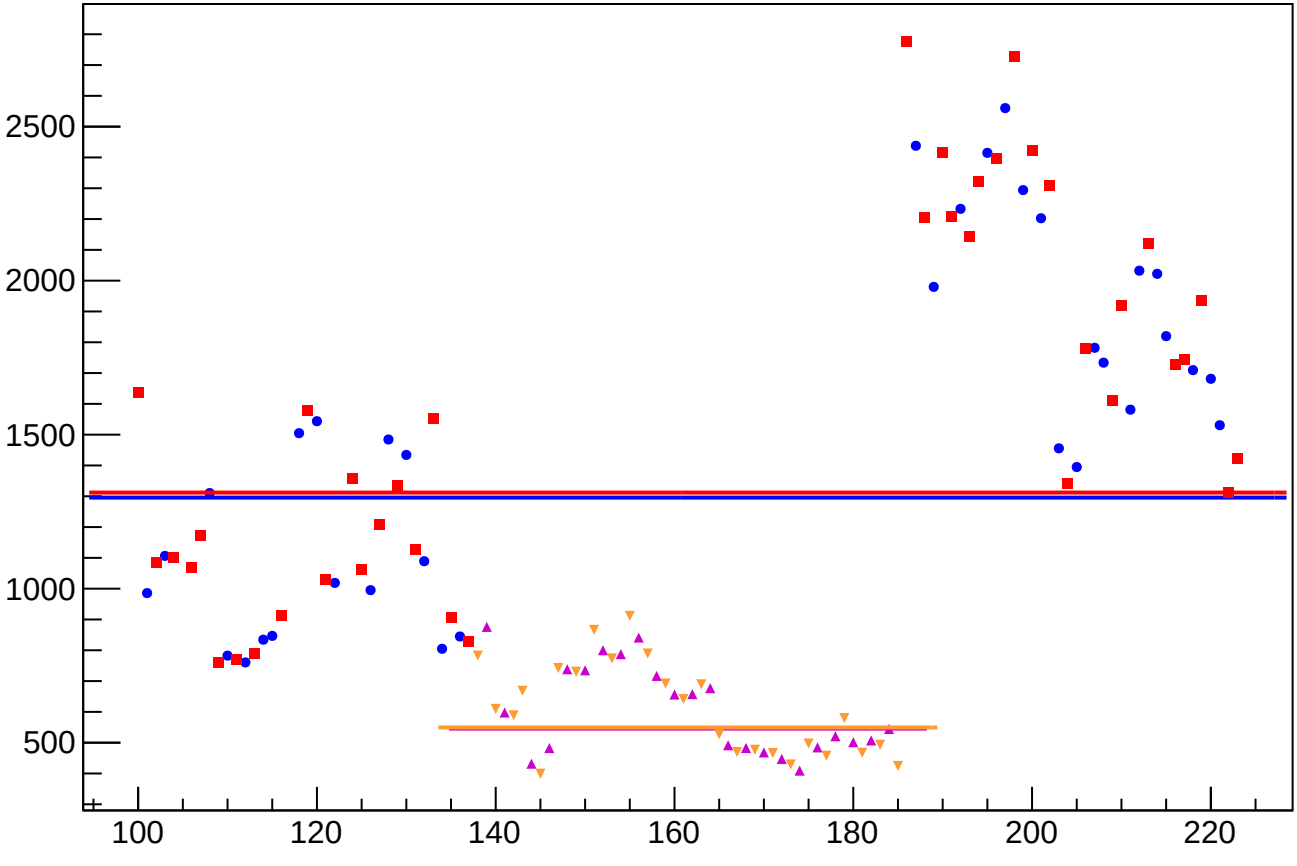
Right: -162.877+/-208.733 χ^2/NDF: 147.6/72

In: 184.893+/-119.963 χ^2/NDF:99.2/56

Out: 290.481+/-118.089 χ^2/NDF:156.7/63

All: 238.518+/-84.157 χ^2/NDF: 256.2/120

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

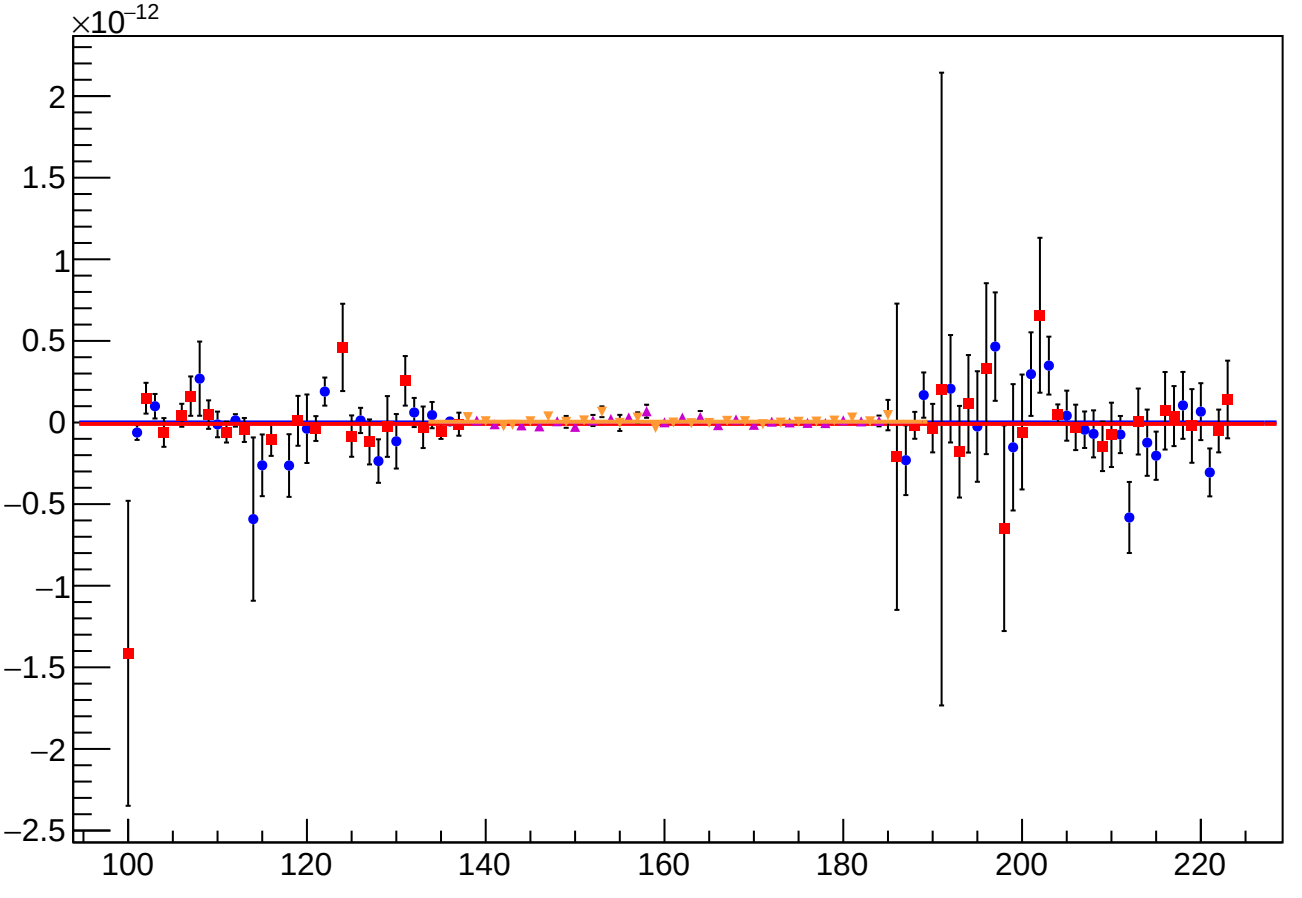
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1303.881+/-0.148 χ^2/NDF: 11225630.2/72

In: 669.519+/-0.085 χ^2/NDF:17822323.6/56

Out: 671.565+/-0.084 χ^2/NDF:19258110.4/63

All: 670.558+/-0.060 χ^2/NDF: 37080729.2/12



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

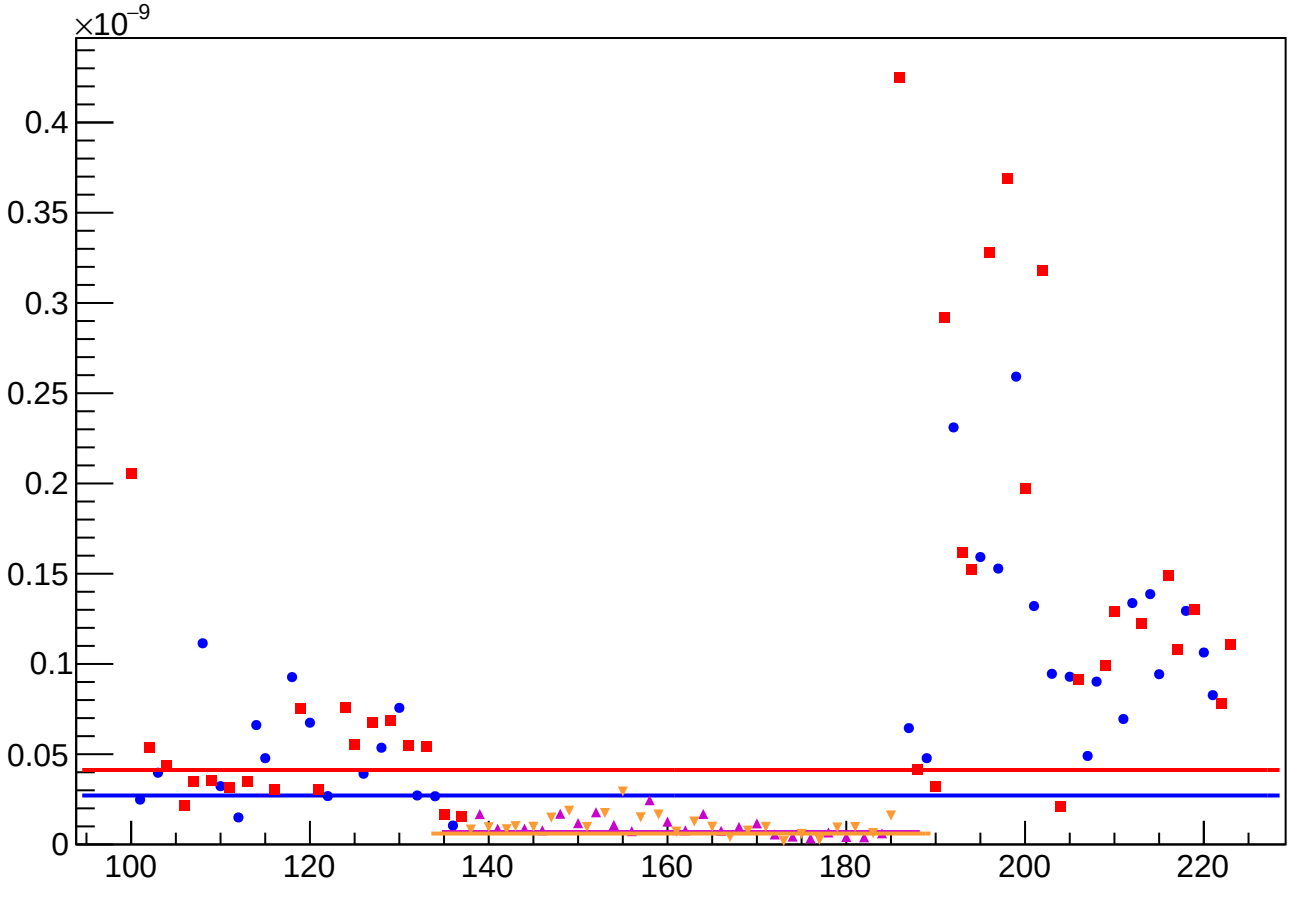
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 70.6/72

In: 0.000+/-0.000 χ^2/NDF:65.2/56

Out: 0.000+/-0.000 χ^2/NDF:41.4/63

All: 0.000+/-0.000 χ^2/NDF: 106.8/120



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

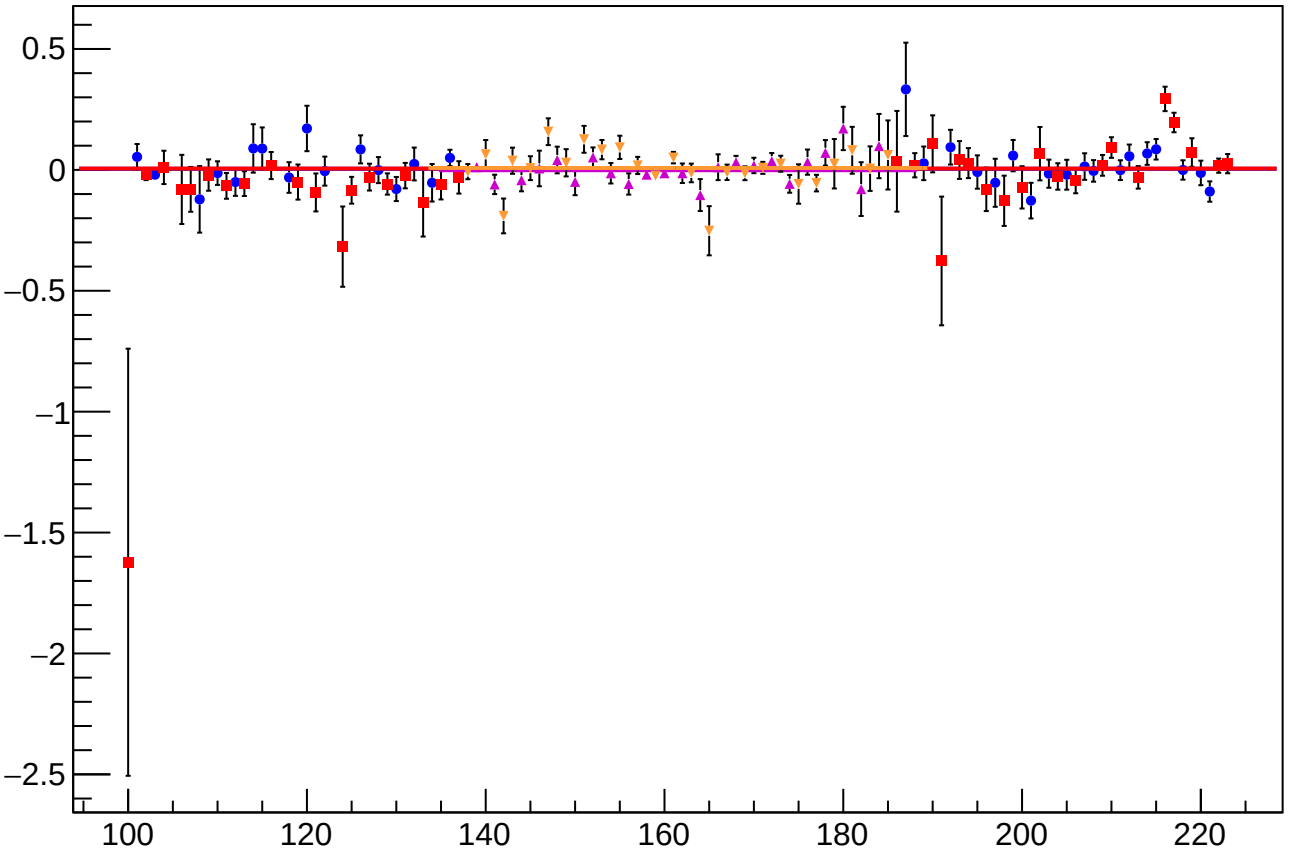
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17549923.4/72

In: 0.000+/-0.000 χ^2/NDF:15774404.7/56

Out: 0.000+/-0.000 χ^2/NDF:18740243.6/63

All: 0.000+/-0.000 χ^2/NDF: 34612290.7/120



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

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

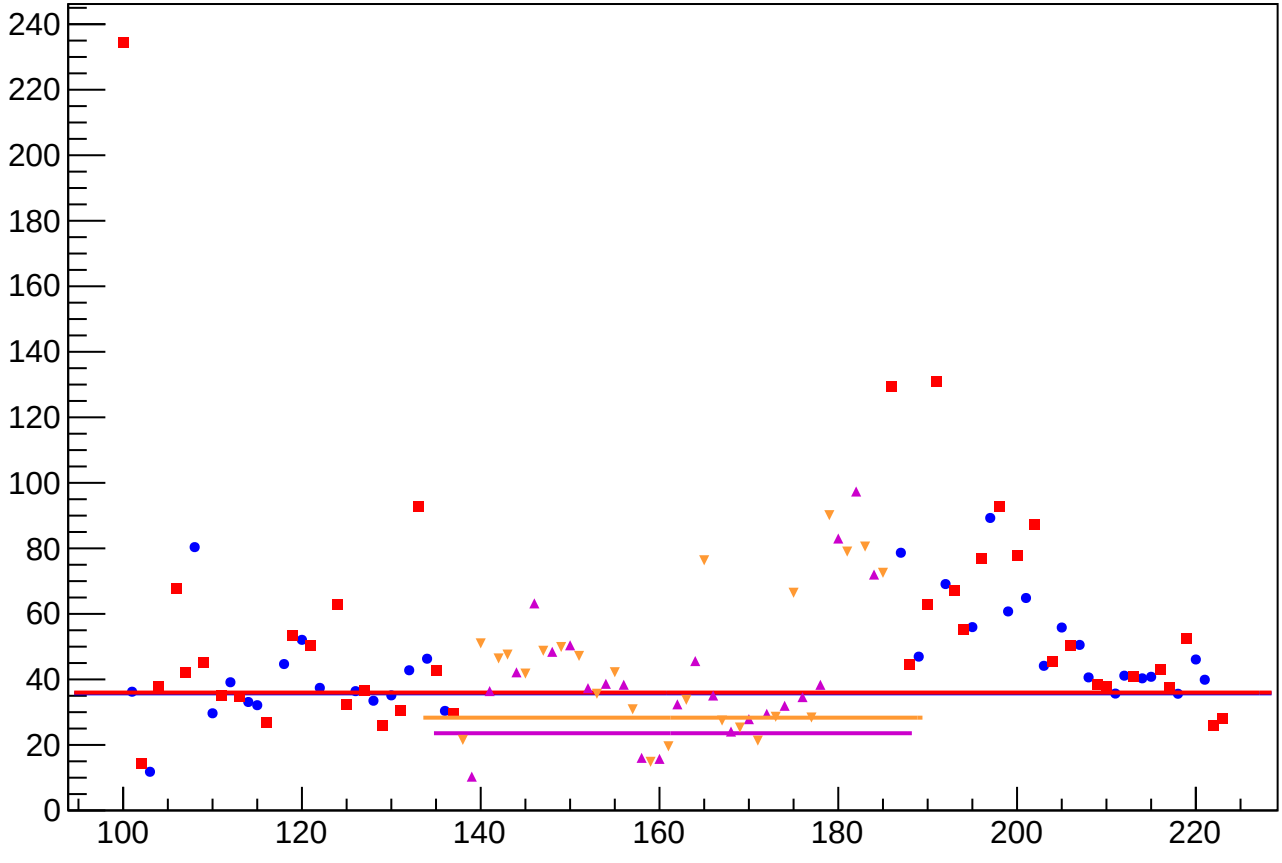
Right: 0.005+/-0.006 χ^2/NDF: 130.3/72

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.007+/-0.006 χ^2/NDF:140.5/63

All: 0.004+/-0.004 χ^2/NDF: 203.9/120

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

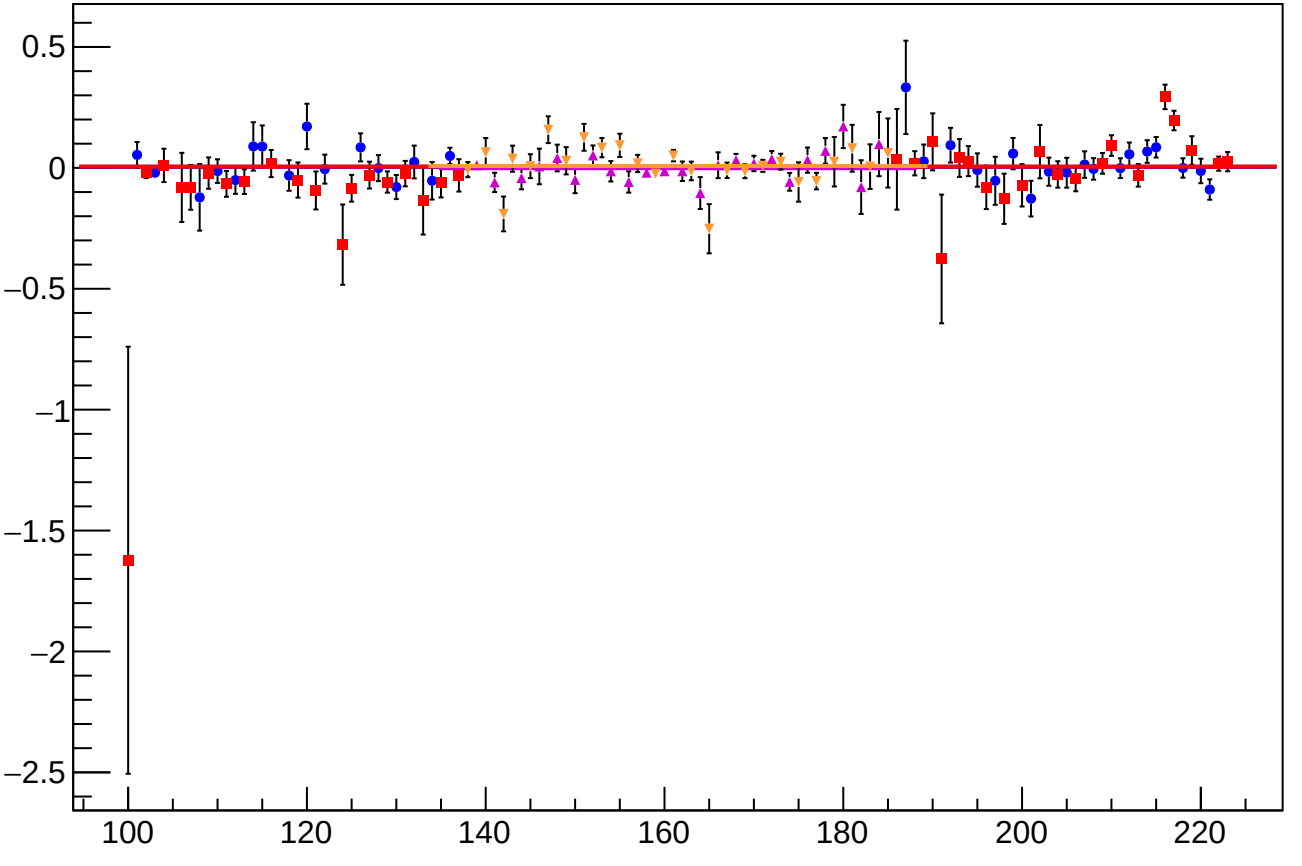
Right: 35.864+/-0.004 χ^2/NDF: 13035347.1/72

In: 28.162+/-0.004 χ^2/NDF:16658492.7/56

Out: 31.595+/-0.004 χ^2/NDF:14712644.8/63

All: 29.766+/-0.003 χ^2/NDF: 31752790.5/120

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

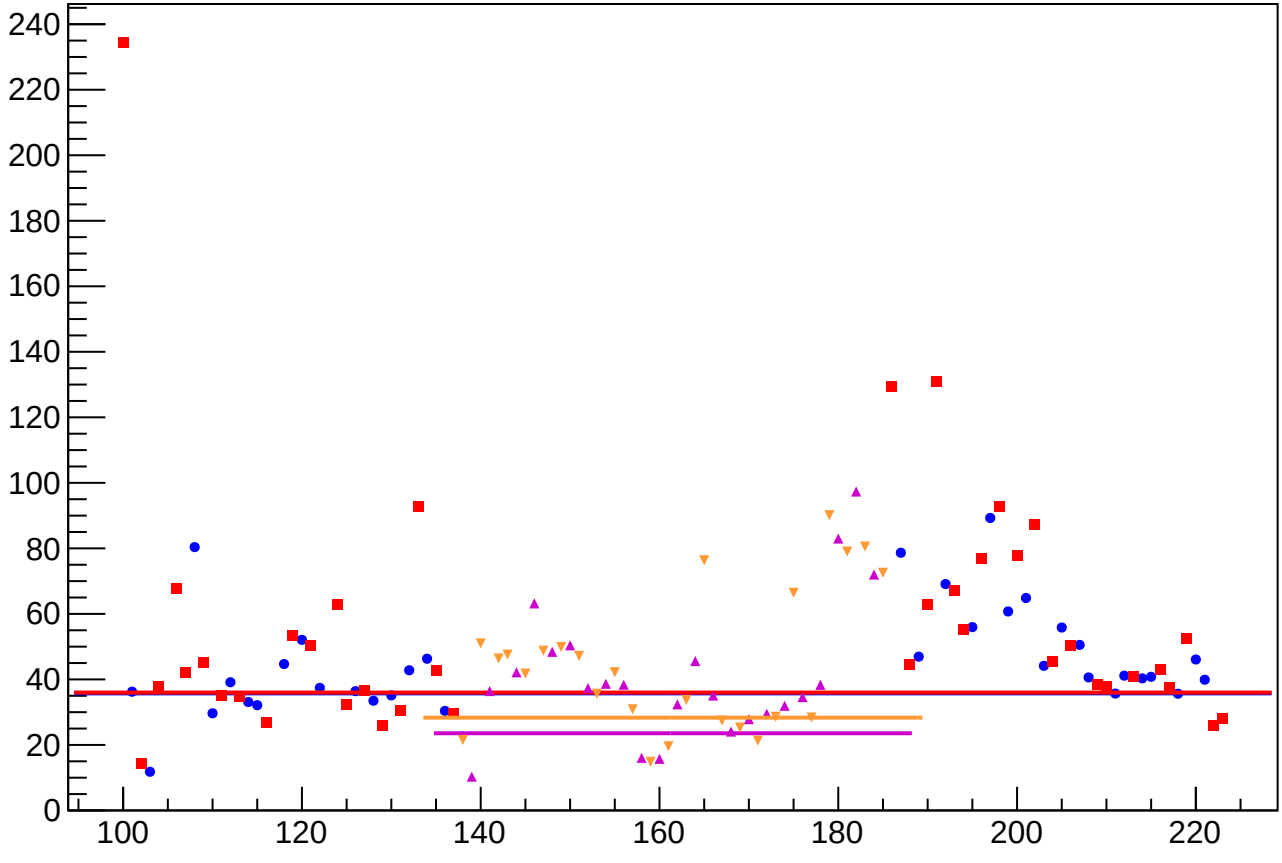
Right: 0.005+/-0.006 χ^2/NDF: 130.3/72

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.007+/-0.006 χ^2/NDF:140.5/63

All: 0.004+/-0.004 χ^2/NDF: 203.9/120

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

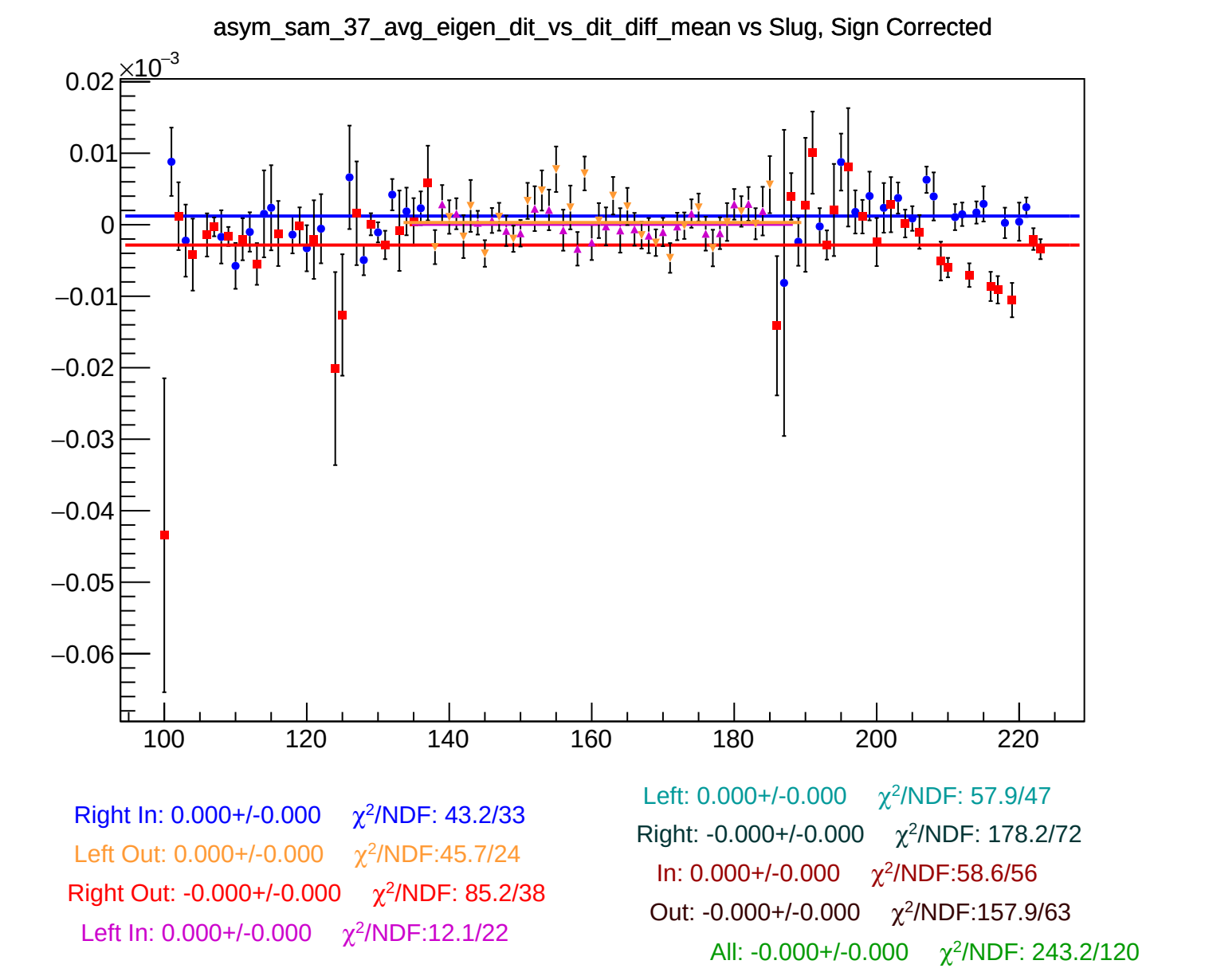
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

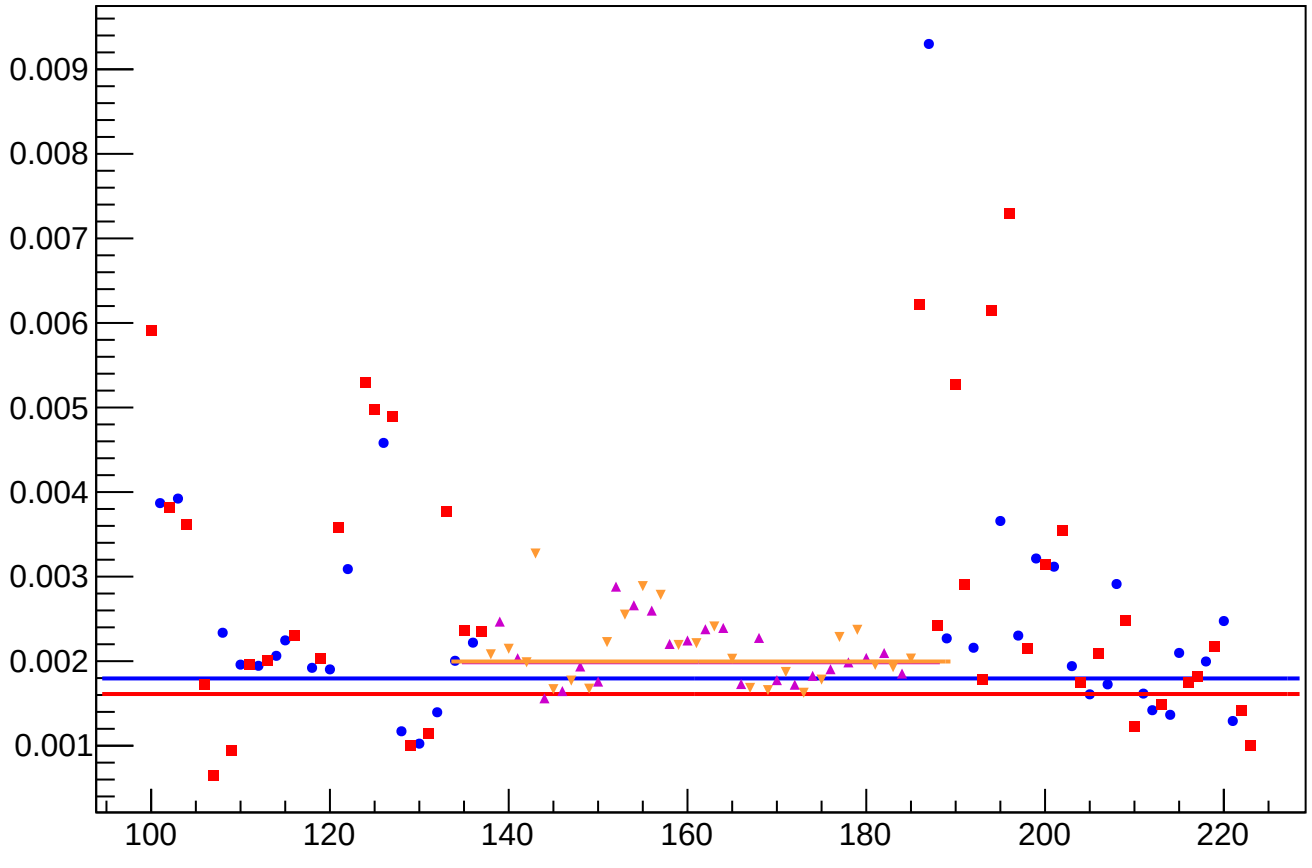
Right: 35.864+/-0.004 χ^2/NDF: 13035347.1/72

In: 28.162+/-0.004 χ^2/NDF:16658492.7/56

Out: 31.595+/-0.004 χ^2/NDF:14712644.8/63

All: 29.766+/-0.003 χ^2/NDF: 31752790.5/120


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 43.2/33
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 85.2/38
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 178.2/72
In: 0.000+/-0.000 χ²/NDF:58.6/56
Out: -0.000+/-0.000 χ²/NDF:157.9/63
All: -0.000+/-0.000 χ²/NDF: 243.2/120



Right In: 0.002+/-0.000 χ^2/NDF: 4598112.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9551275.3/38

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

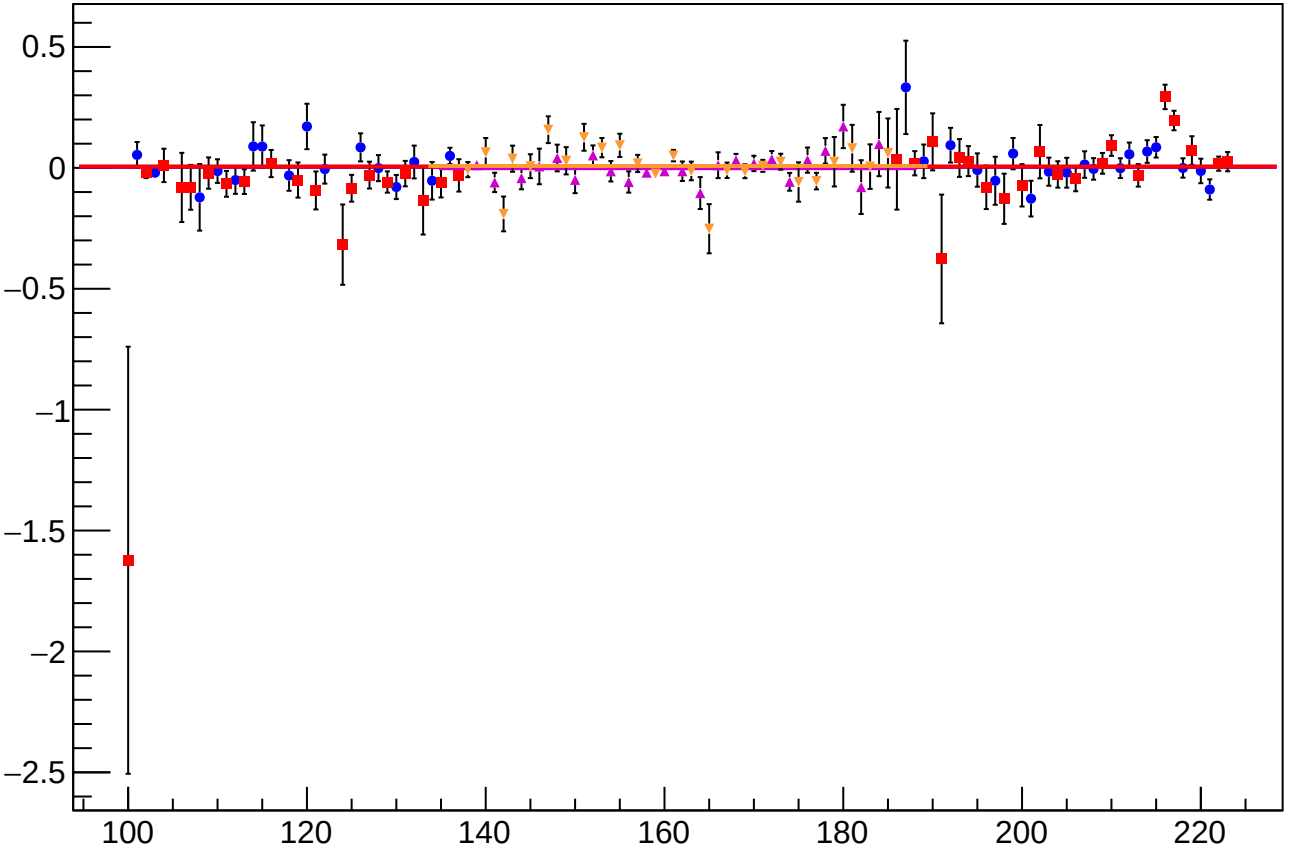
Right: 0.002+/-0.000 χ^2/NDF: 14354669.1/72

In: 0.002+/-0.000 χ^2/NDF:5704780.9/56

Out: 0.002+/-0.000 χ^2/NDF:11531192.9/63

All: 0.002+/-0.000 χ^2/NDF: 17362684.0/120

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

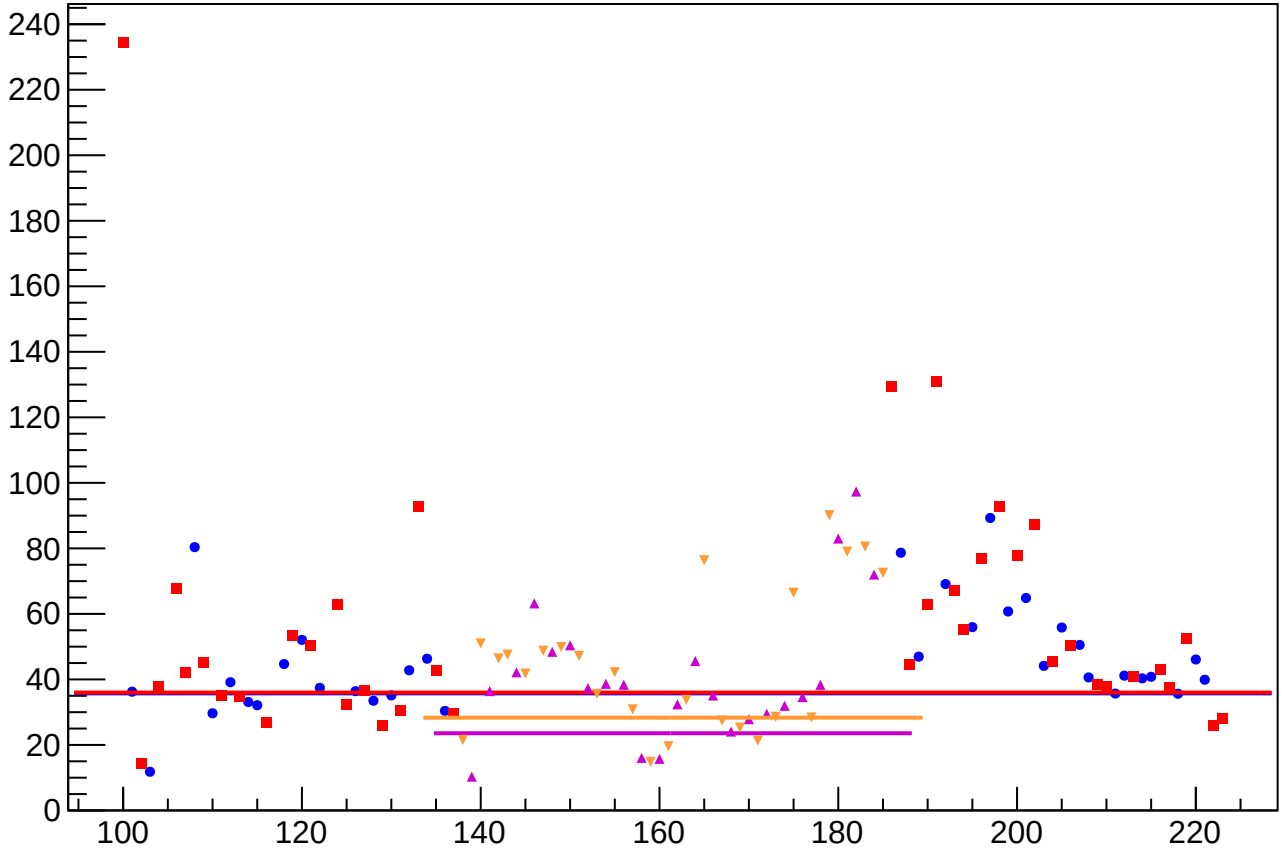
Right: 0.005+/-0.006 χ^2/NDF: 130.3/72

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.007+/-0.006 χ^2/NDF:140.5/63

All: 0.004+/-0.004 χ^2/NDF: 203.9/120

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

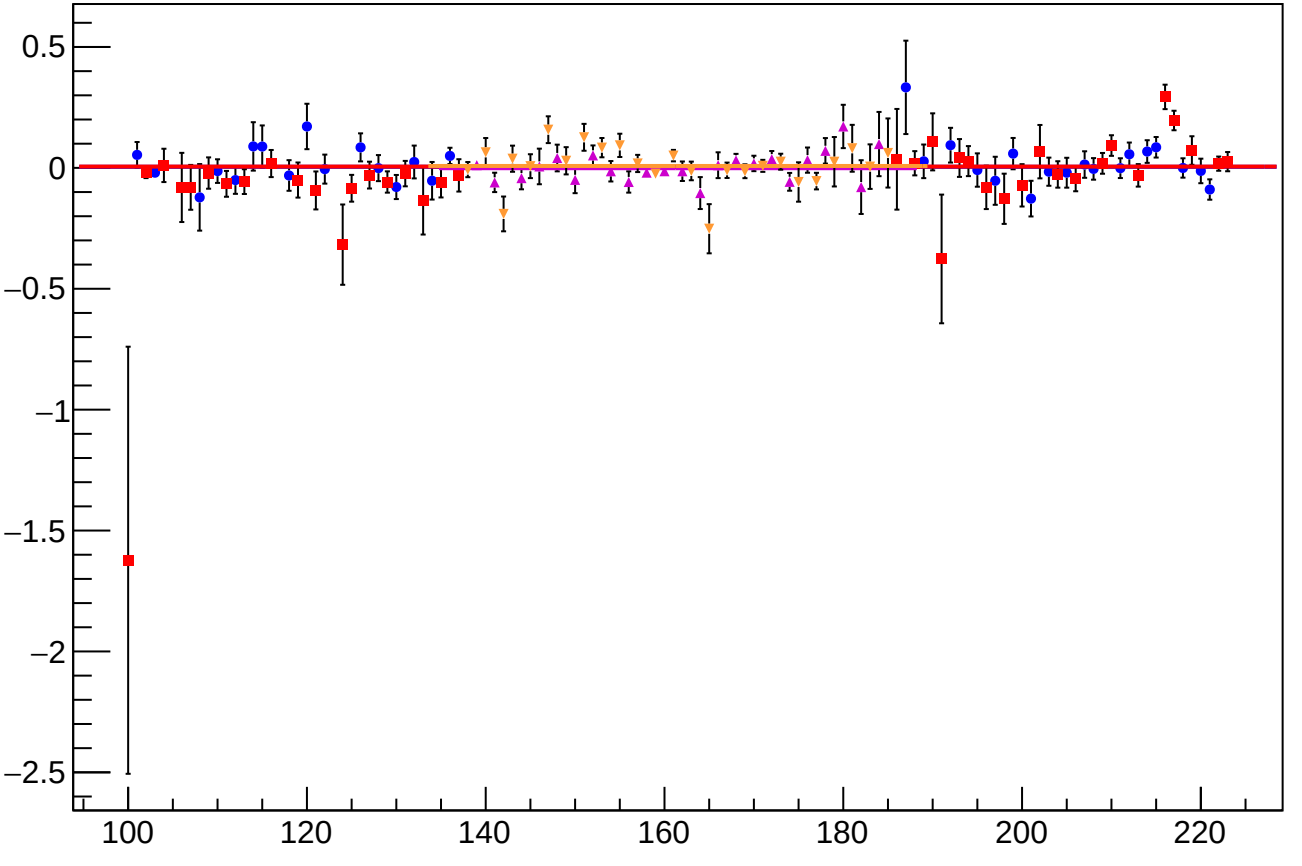
Right: 35.865+/-0.004 χ^2/NDF: 13034673.1/72

In: 28.161+/-0.004 χ^2/NDF:16660274.9/56

Out: 31.596+/-0.004 χ^2/NDF:14712412.0/63

All: 29.766+/-0.003 χ^2/NDF: 31754658.9/120

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

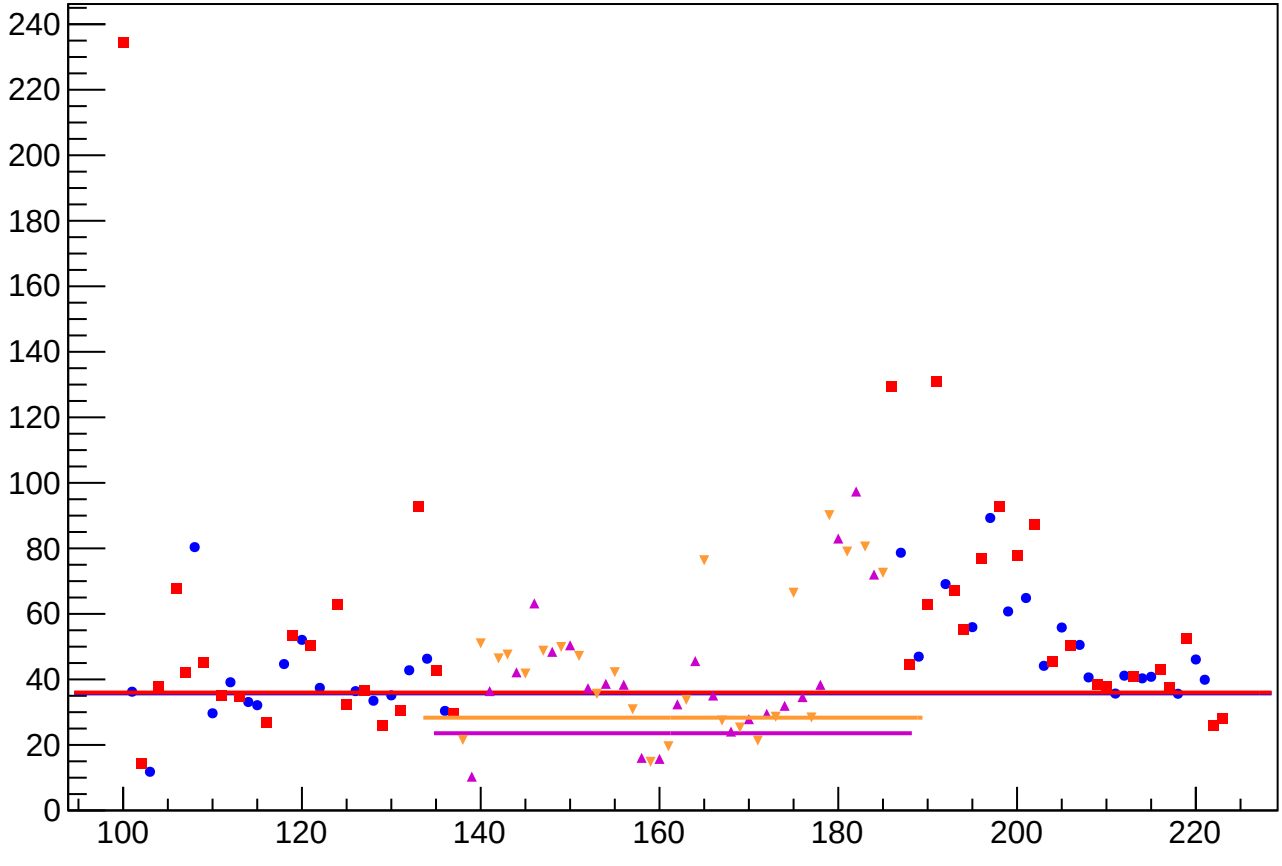
Right: 0.005+/-0.006 χ^2/NDF: 130.3/72

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.007+/-0.006 χ^2/NDF:140.5/63

All: 0.004+/-0.004 χ^2/NDF: 203.9/120

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

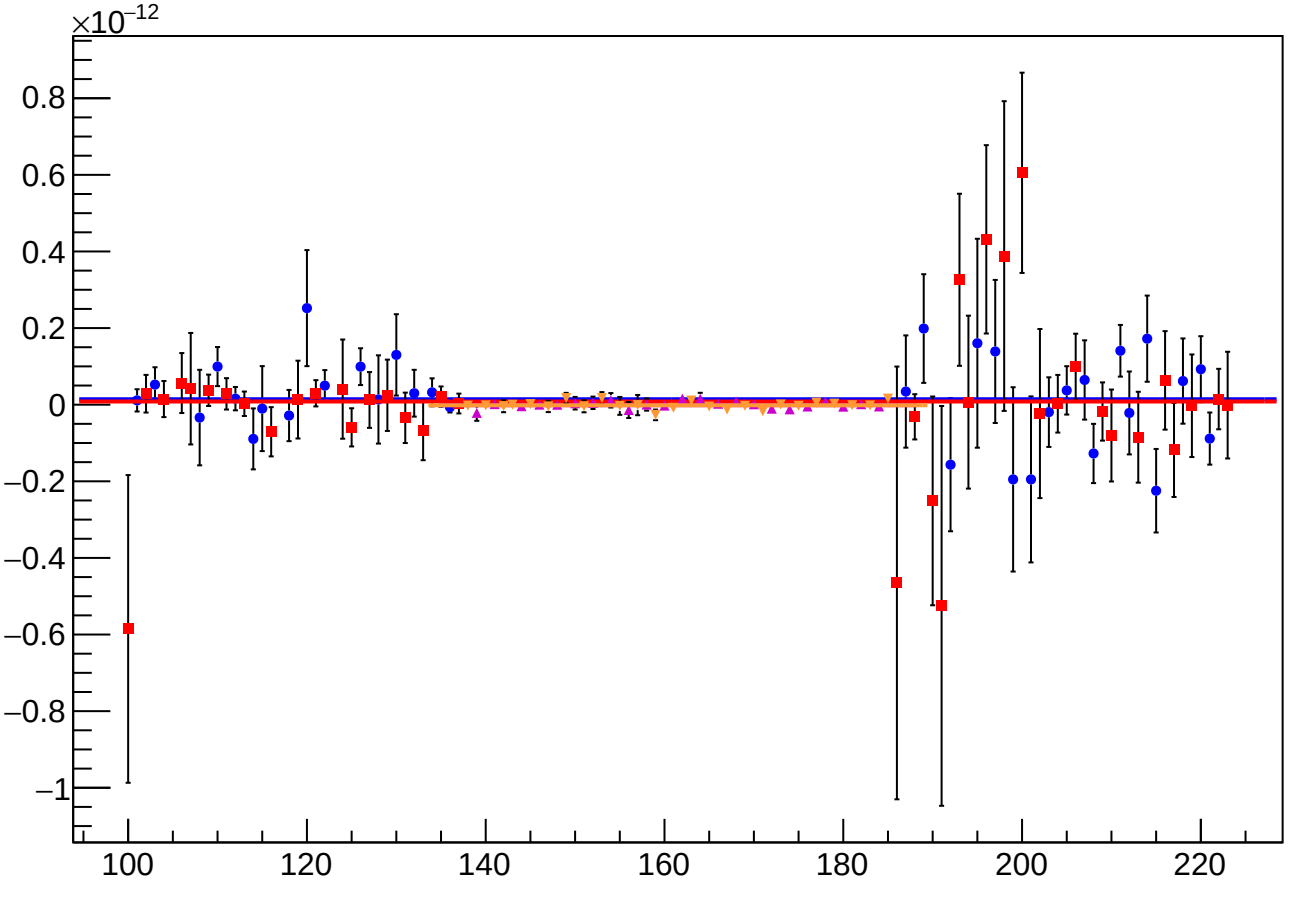
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.865+/-0.004 χ^2/NDF: 13034673.1/72

In: 28.161+/-0.004 χ^2/NDF:16660274.9/56

Out: 31.596+/-0.004 χ^2/NDF:14712412.0/63

All: 29.766+/-0.003 χ^2/NDF: 31754658.9/120



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

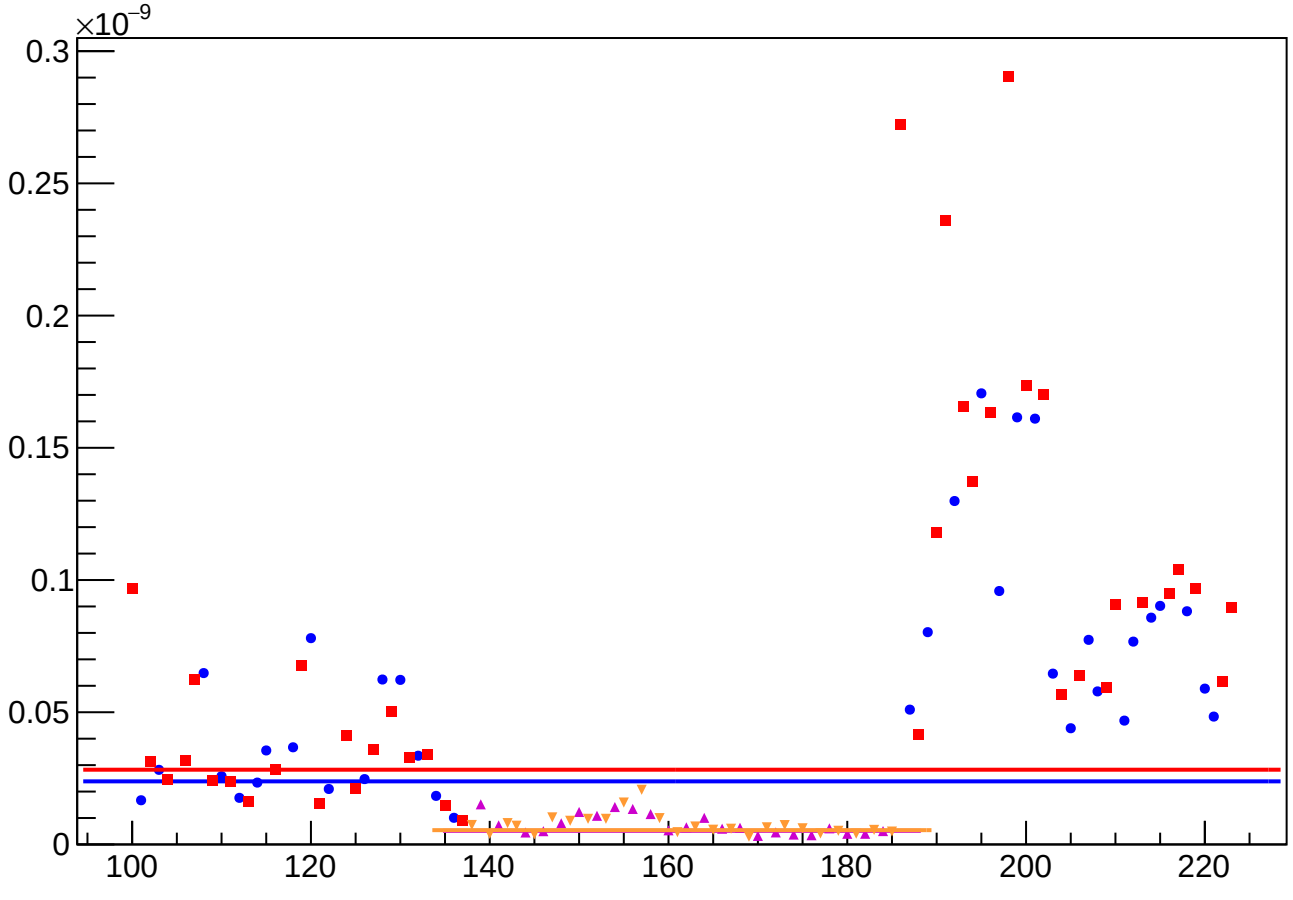
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 65.7/72

In: -0.000+/-0.000 χ^2/NDF:57.5/56

Out: -0.000+/-0.000 χ^2/NDF:45.4/63

All: -0.000+/-0.000 χ^2/NDF: 102.9/120



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

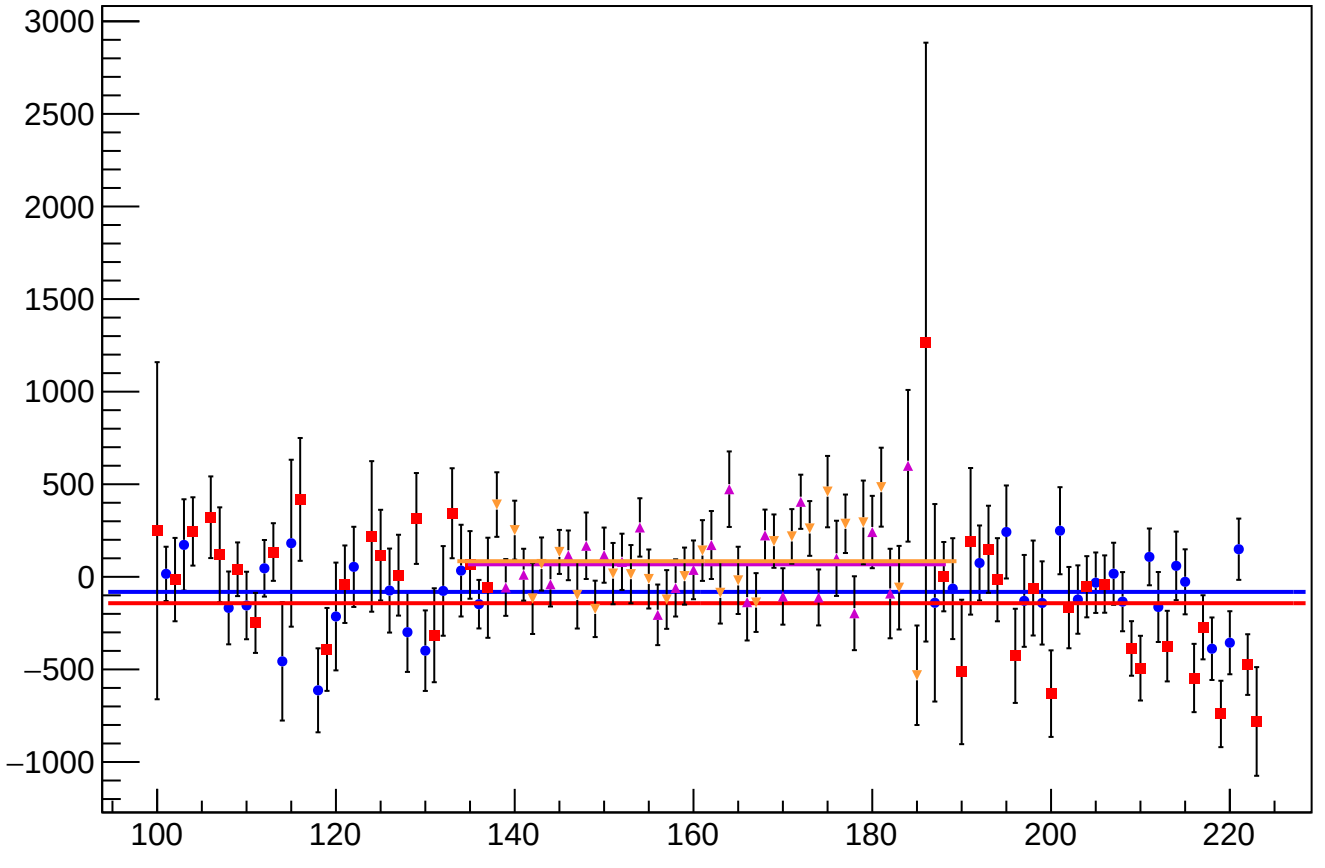
Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

Right: 0.000+/-0.000 χ^2/NDF: 24603040.5/72

In: 0.000+/-0.000 χ^2/NDF:23784815.9/56

Out: 0.000+/-0.000 χ^2/NDF:25846967.6/63

All: 0.000+/-0.000 χ^2/NDF: 49649121.9/120



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

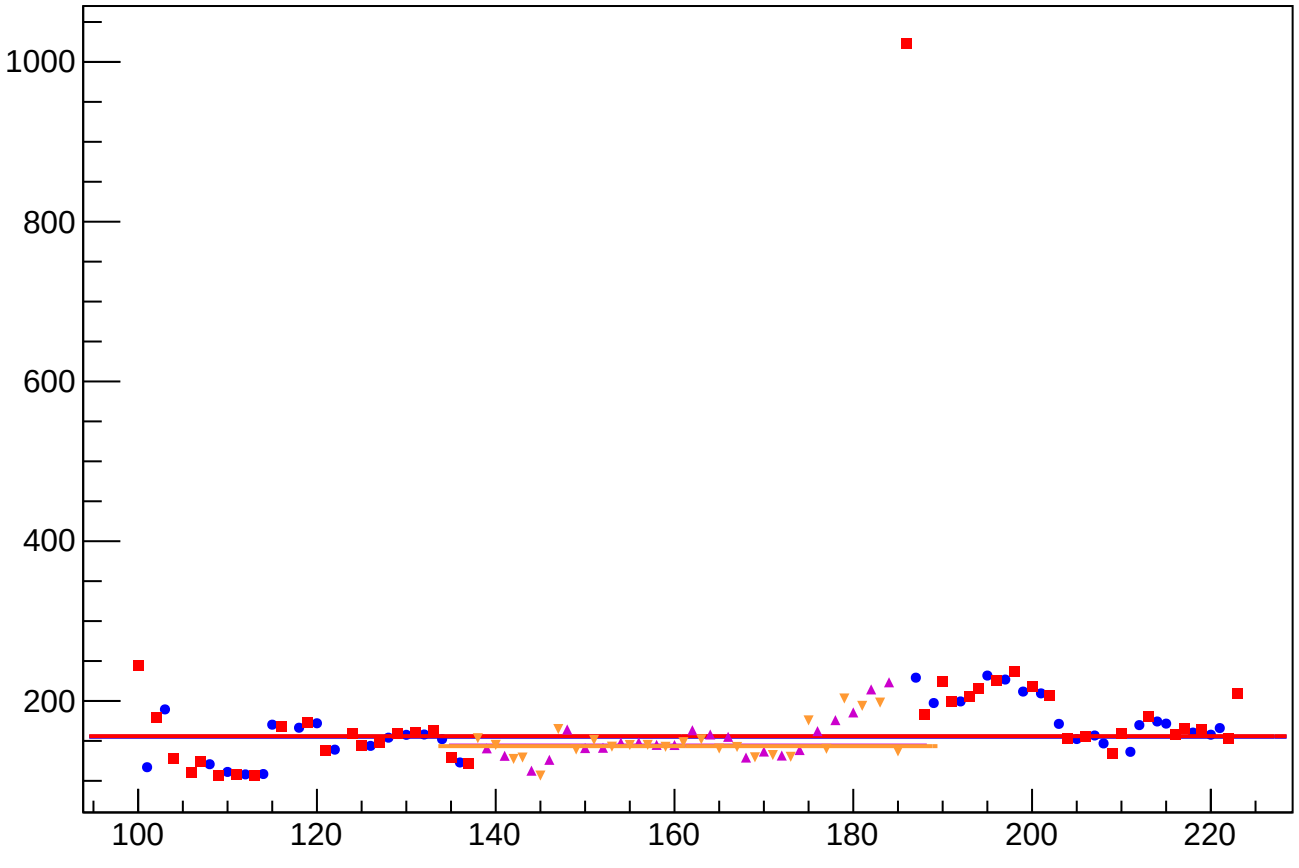
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -111.986+/-23.887 χ^2/NDF: 107.3/72

In: -7.565+/-24.026 χ^2/NDF:65.3/56

Out: -26.662+/-23.605 χ^2/NDF:133.4/63

All: -17.282+/-16.838 χ^2/NDF: 199.0/120



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

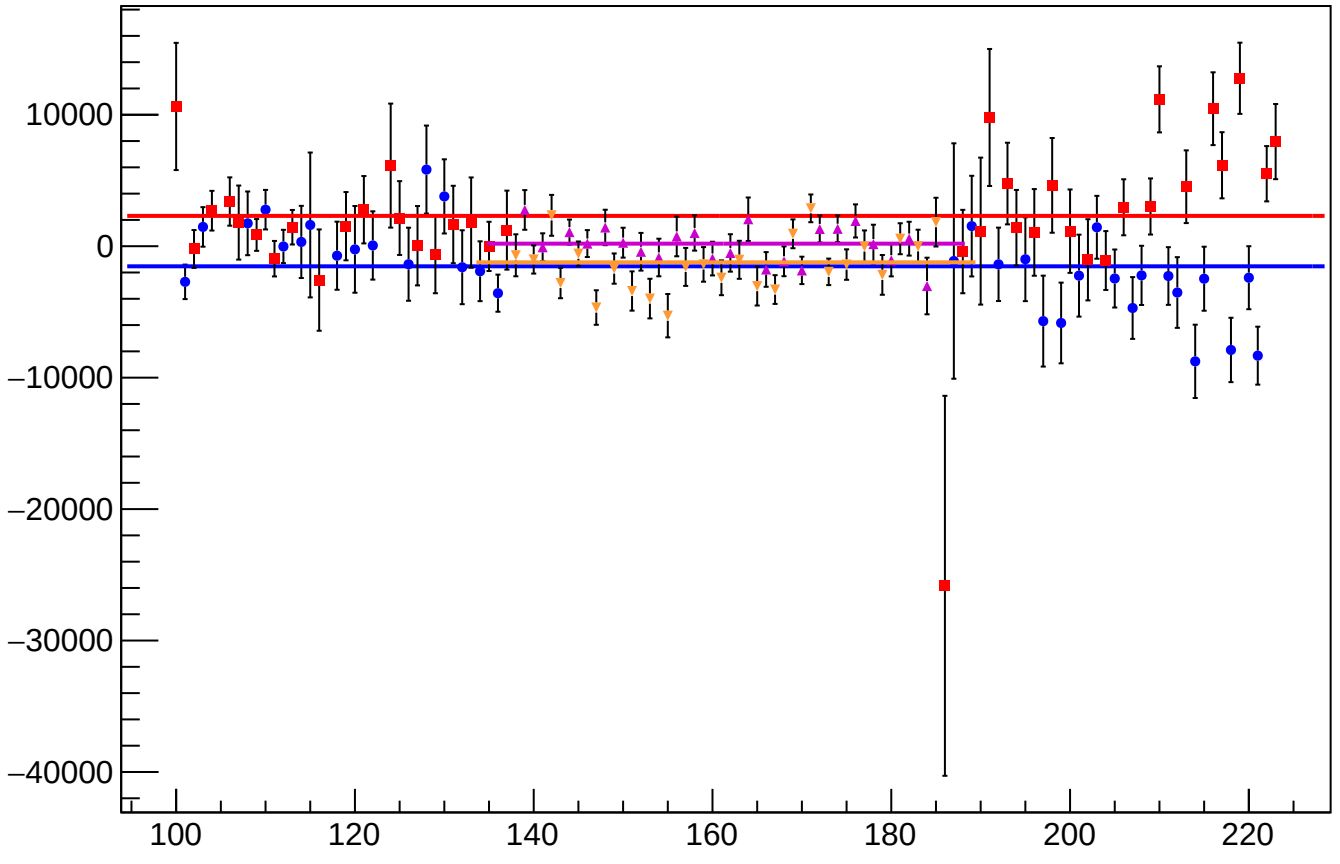
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 155.586+/-0.017 χ^2/NDF: 4217739.0/72

In: 149.750+/-0.017 χ^2/NDF:2426386.2/56

Out: 149.562+/-0.017 χ^2/NDF:3486689.7/63

All: 149.654+/-0.012 χ^2/NDF: 5913138.5/120



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

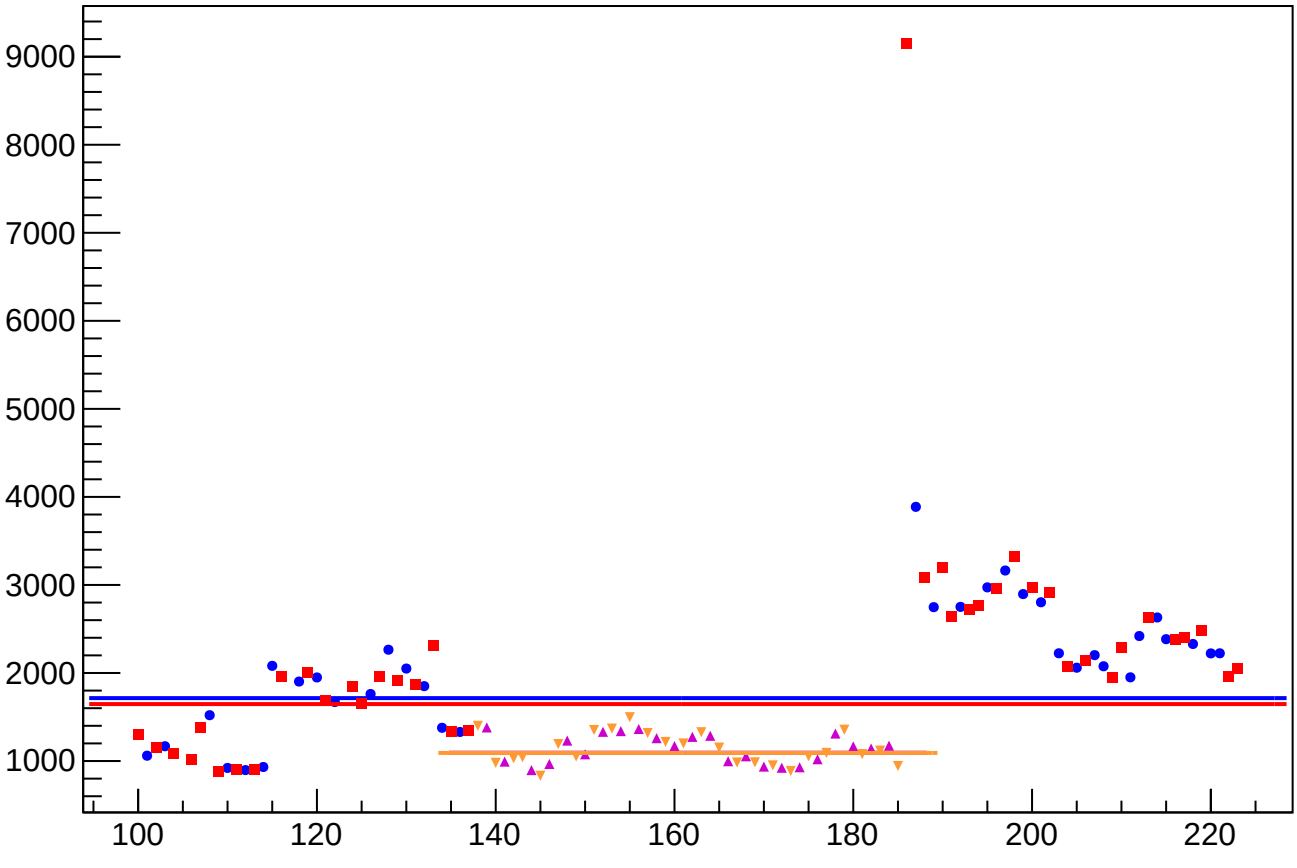
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 459.883+/-271.607 χ^2/NDF: 186.5/72

In: -330.633+/-215.957 χ^2/NDF:96.6/56

Out: -136.466+/-209.399 χ^2/NDF:196.7/63

All: -230.557+/-150.332 χ^2/NDF: 293.8/120



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

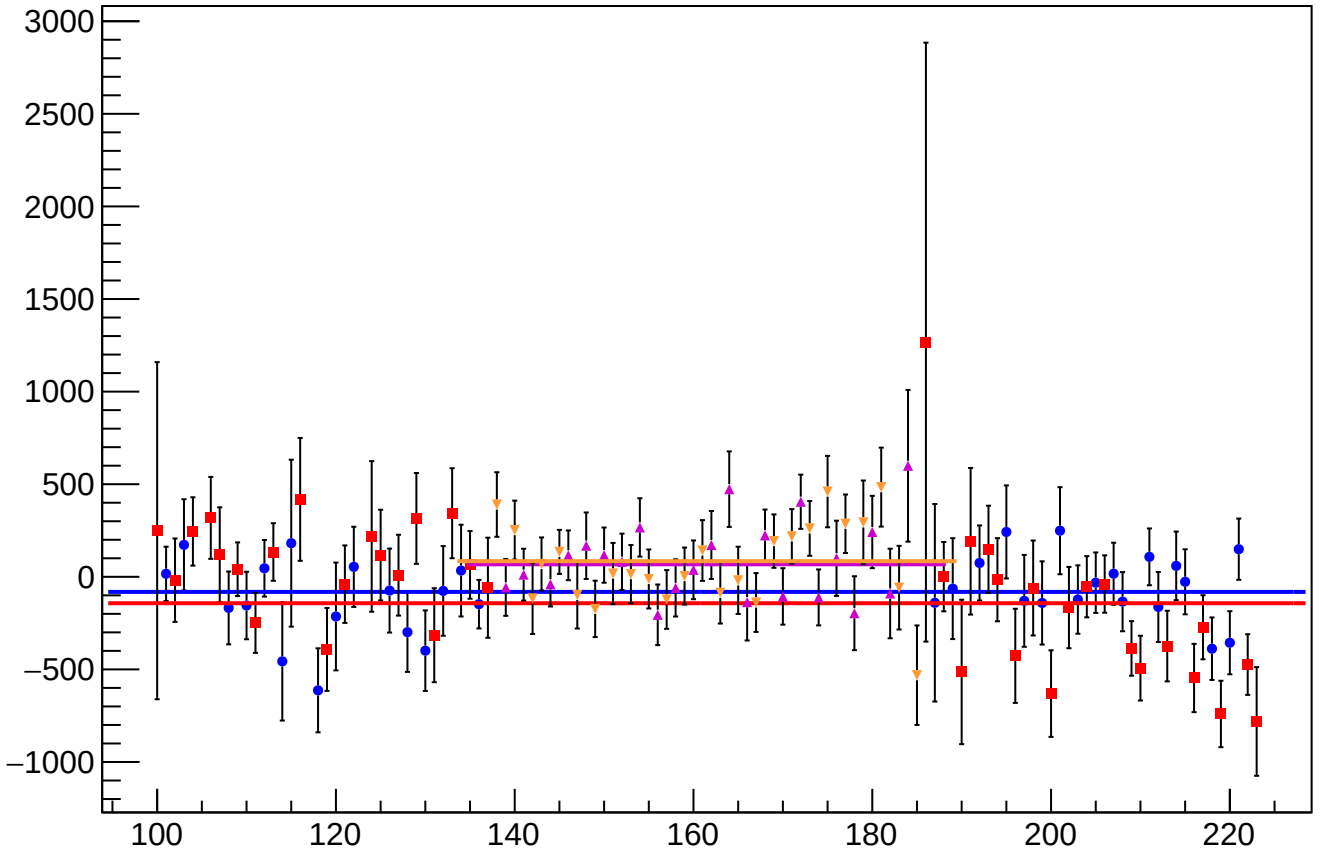
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

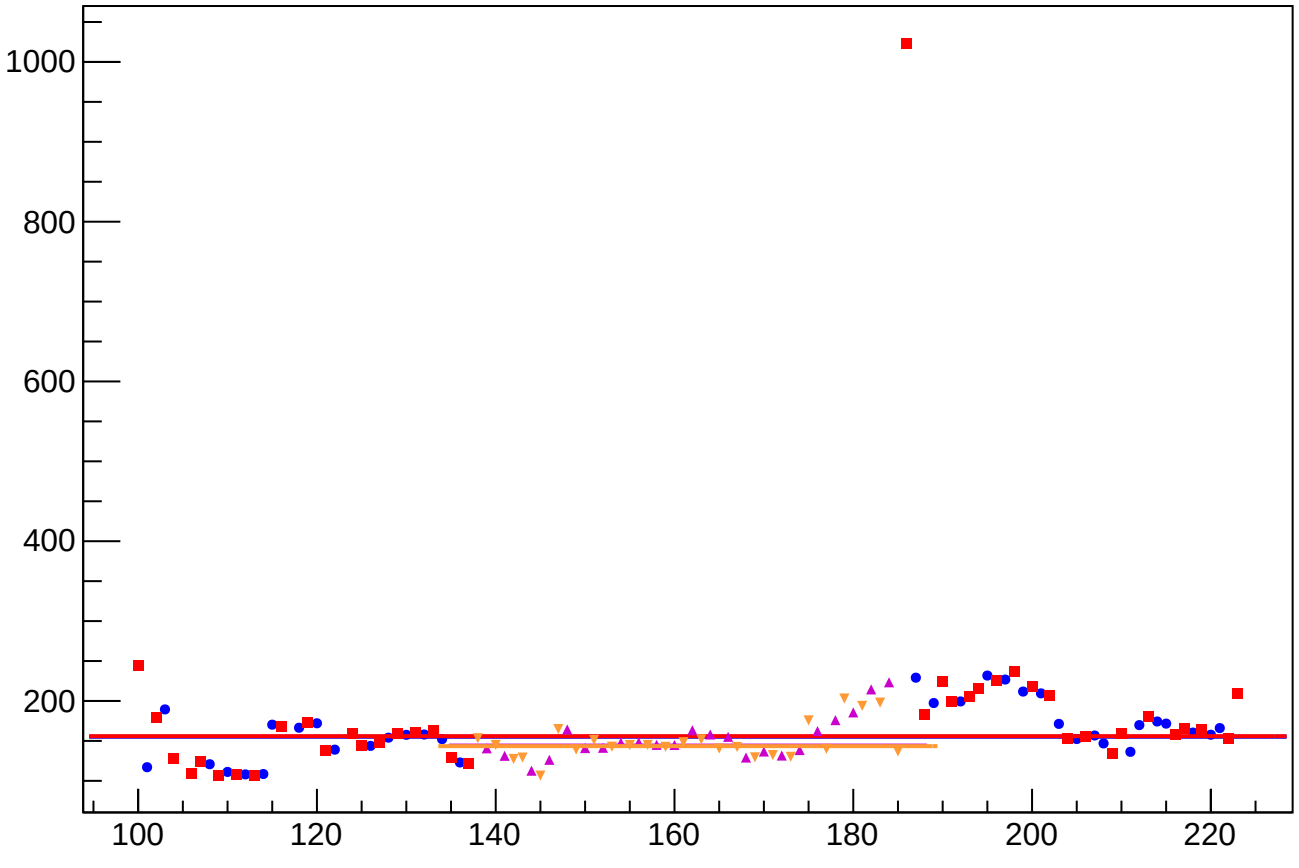
Right: 1679.398+/-0.192 χ^2/NDF: 12970664.8/72

In: 1283.167+/-0.153 χ^2/NDF:9725965.3/56

Out: 1263.014+/-0.148 χ^2/NDF:11323482.4/63

All: 1272.780+/-0.106 χ^2/NDF: 21058424.5/1


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -81.398+/-33.821 χ²/NDF: 29.2/33
Left Out: 84.338+/-33.036 χ²/NDF:33.8/24
Right Out: -142.657+/-33.743 χ²/NDF: 76.4/38
Left In: 67.648+/-34.137 χ²/NDF:26.5/22
Left: 76.266+/-23.739 χ²/NDF: 60.5/47
Right: -112.099+/-23.888 χ²/NDF: 107.2/72
In: -7.567+/-24.026 χ²/NDF:65.3/56
Out: -26.755+/-23.606 χ²/NDF:133.3/63
All: -17.330+/-16.838 χ²/NDF: 198.9/120



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

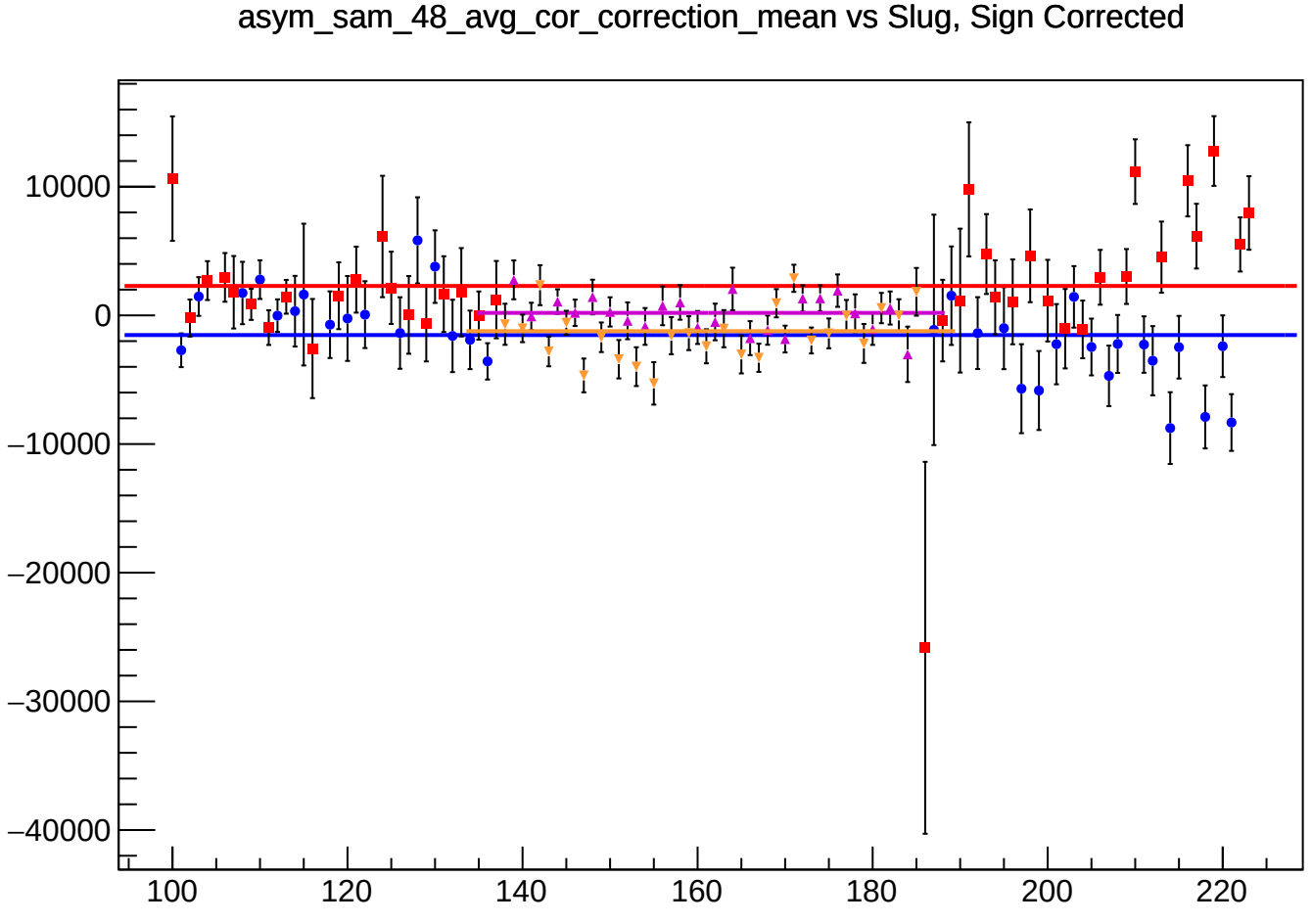
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 155.572+/-0.017 χ^2/NDF: 4223350.6/72

In: 149.750+/-0.017 χ^2/NDF:2426388.7/56

Out: 149.547+/-0.017 χ^2/NDF:3491668.4/63

All: 149.647+/-0.012 χ^2/NDF: 5918129.9/120



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

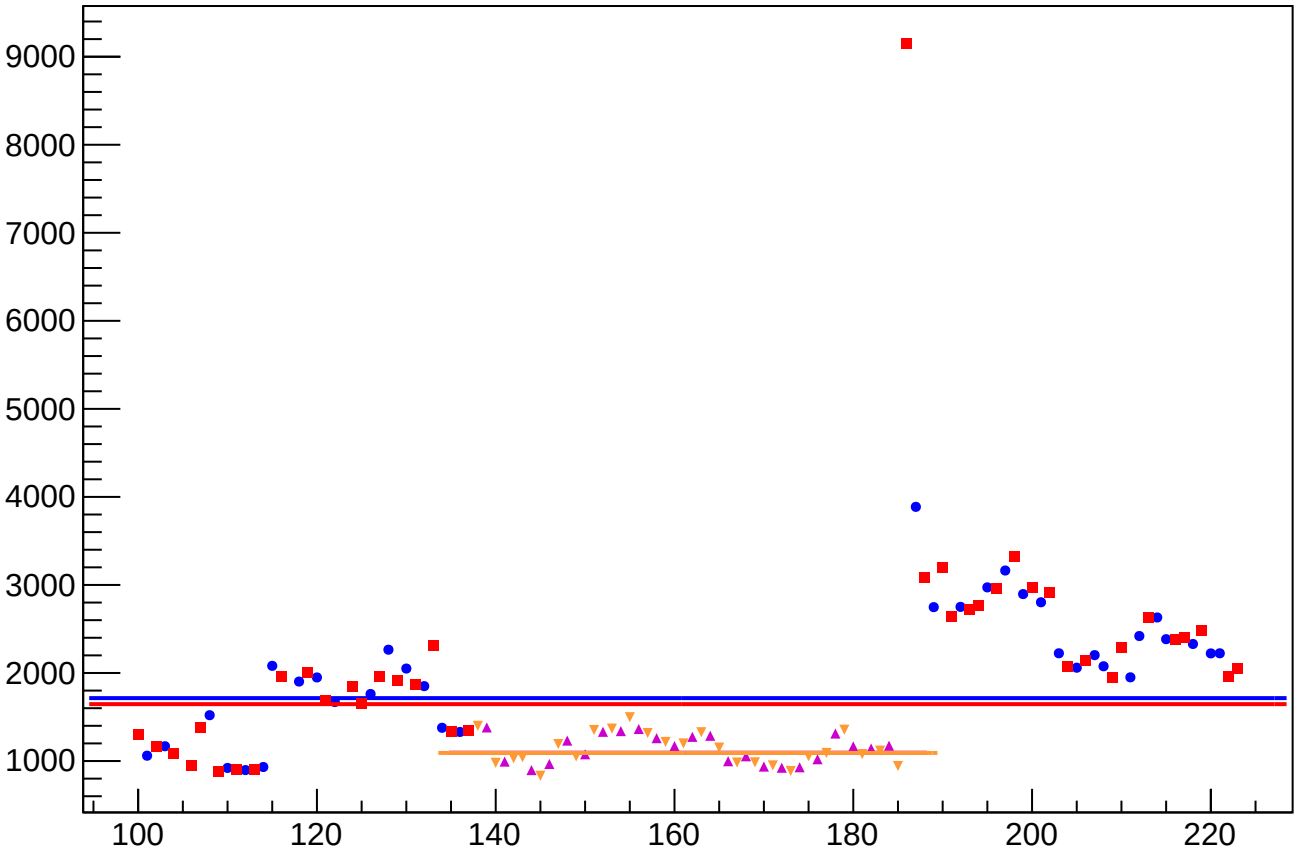
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 447.150+/-271.787 χ^2/NDF: 185.6/72

In: -330.644+/-215.958 χ^2/NDF:96.6/56

Out: -144.479+/-209.481 χ^2/NDF:195.7/63

All: -234.728+/-150.363 χ^2/NDF: 292.7/120



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

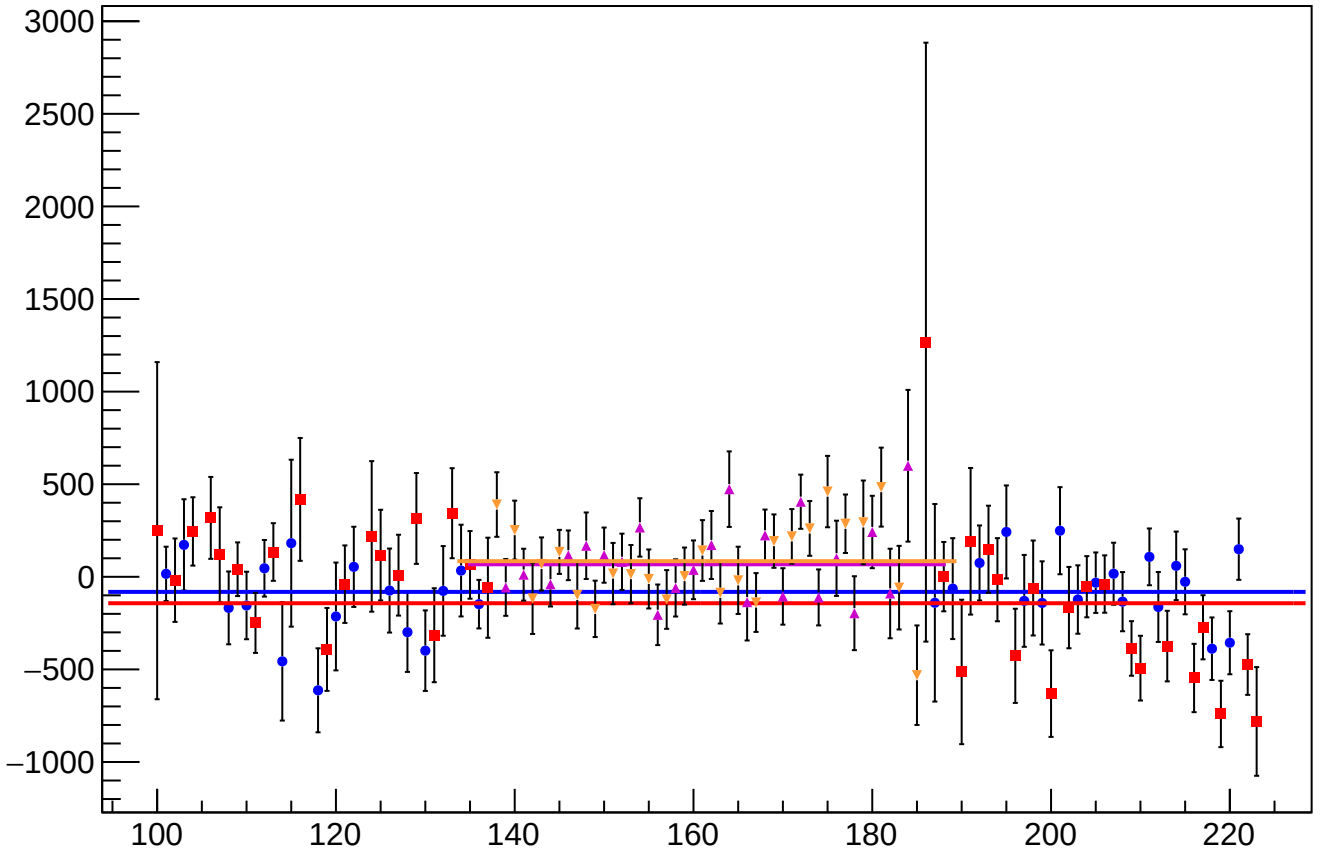
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1679.025+/-0.192 χ^2/NDF: 13002191.4/72

In: 1283.170+/-0.153 χ^2/NDF:9725941.2/56

Out: 1262.462+/-0.148 χ^2/NDF:11340378.2/63

All: 1272.500+/-0.106 χ^2/NDF: 21075794.0/



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

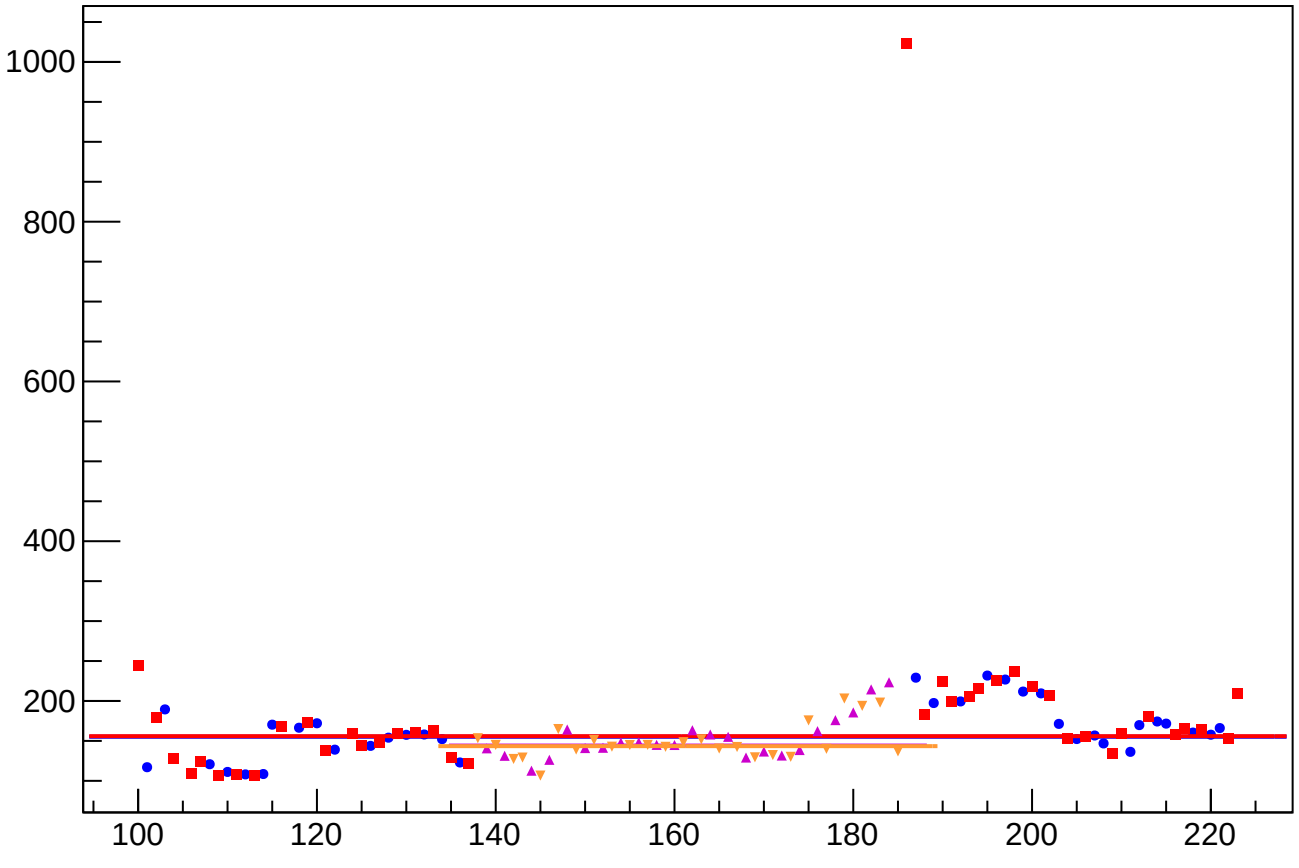
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -112.099+/-23.888 χ^2/NDF: 107.2/72

In: -7.567+/-24.026 χ^2/NDF:65.3/56

Out: -26.755+/-23.606 χ^2/NDF:133.3/63

All: -17.330+/-16.838 χ^2/NDF: 198.9/120



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

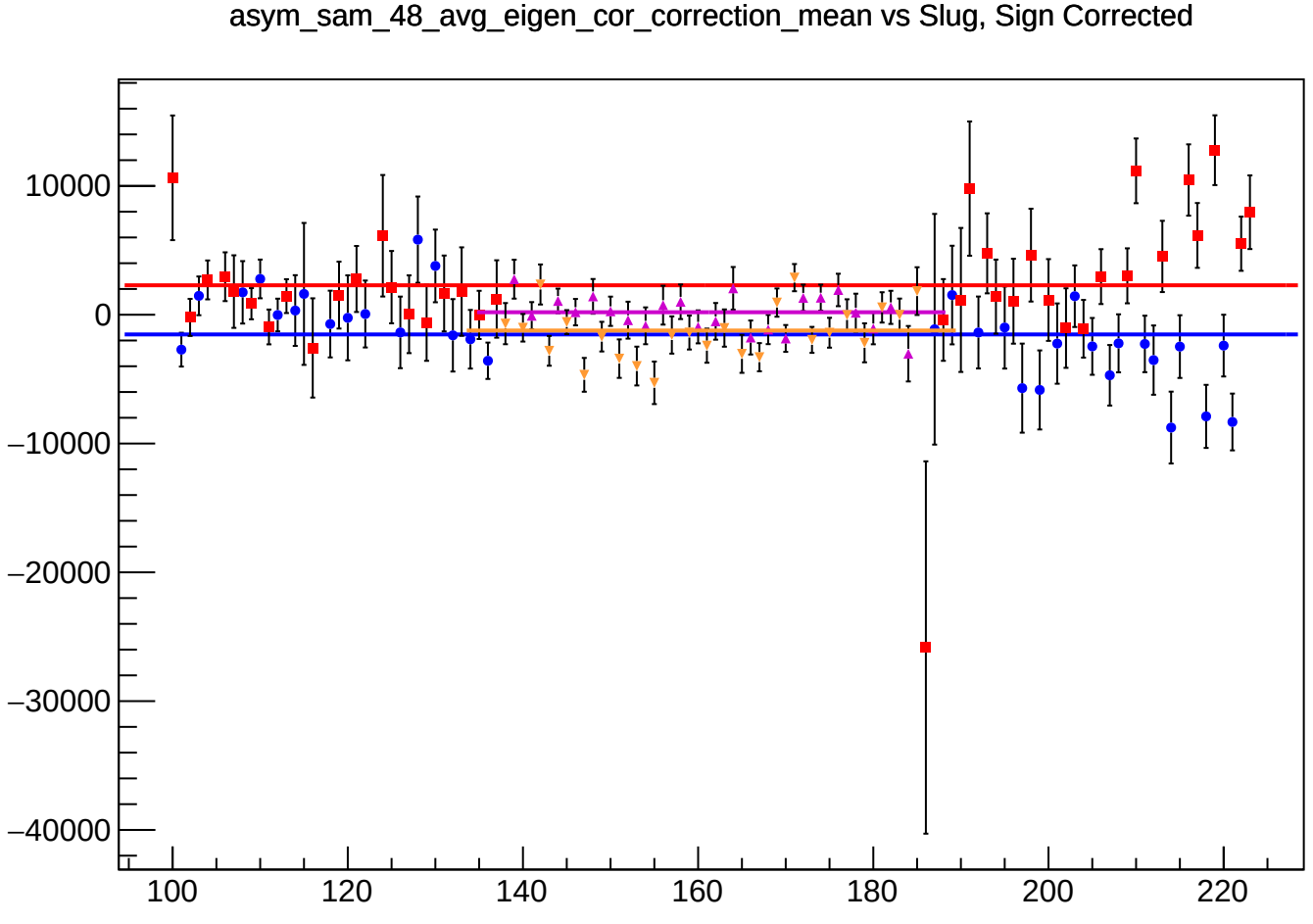
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 155.572+/-0.017 χ^2/NDF: 4223350.6/72

In: 149.750+/-0.017 χ^2/NDF:2426388.7/56

Out: 149.547+/-0.017 χ^2/NDF:3491668.4/63

All: 149.647+/-0.012 χ^2/NDF: 5918129.9/120



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

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

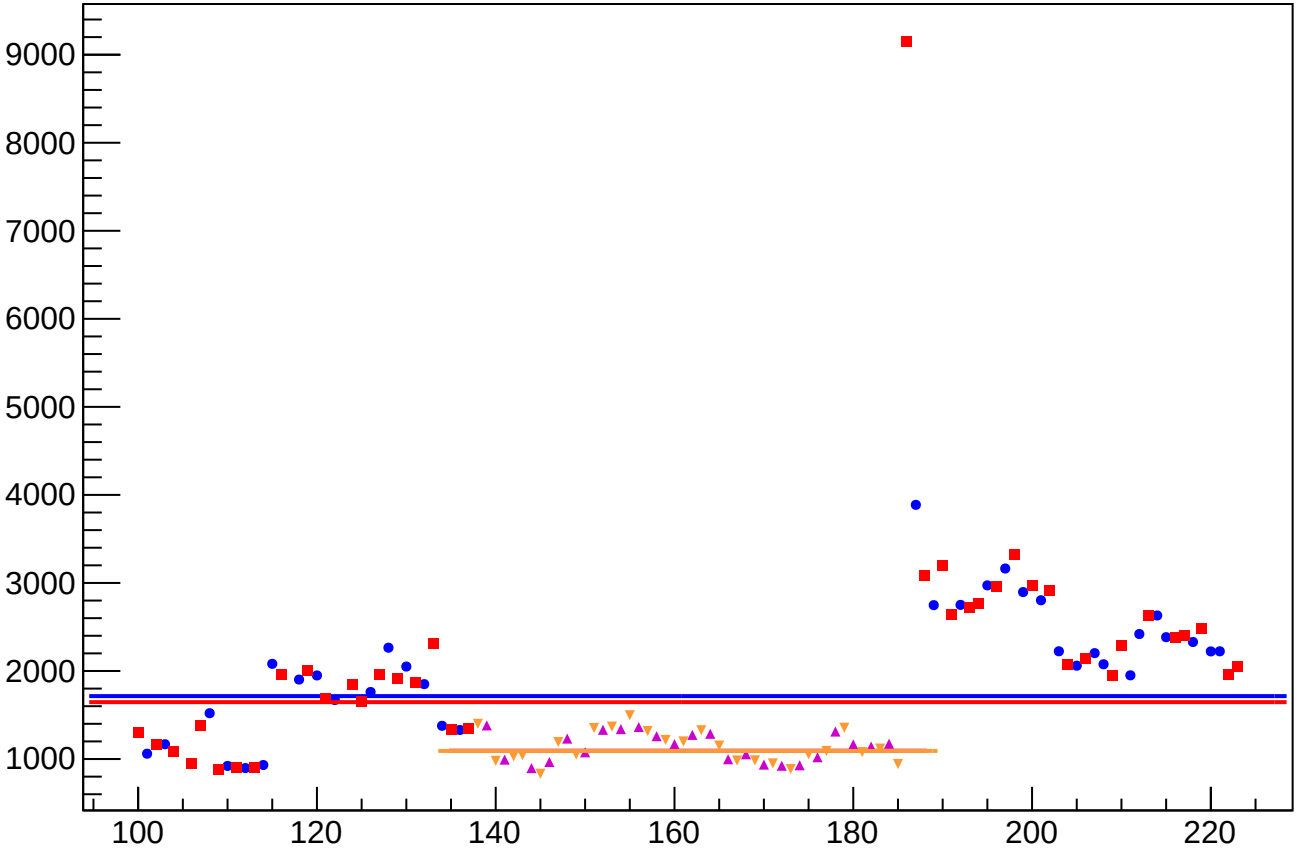
Right: 447.150+/-271.787 χ^2/NDF: 185.6/72

In: -330.644+/-215.958 χ^2/NDF:96.6/56

Out: -144.479+/-209.481 χ^2/NDF:195.7/63

All: -234.728+/-150.363 χ^2/NDF: 292.7/120

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

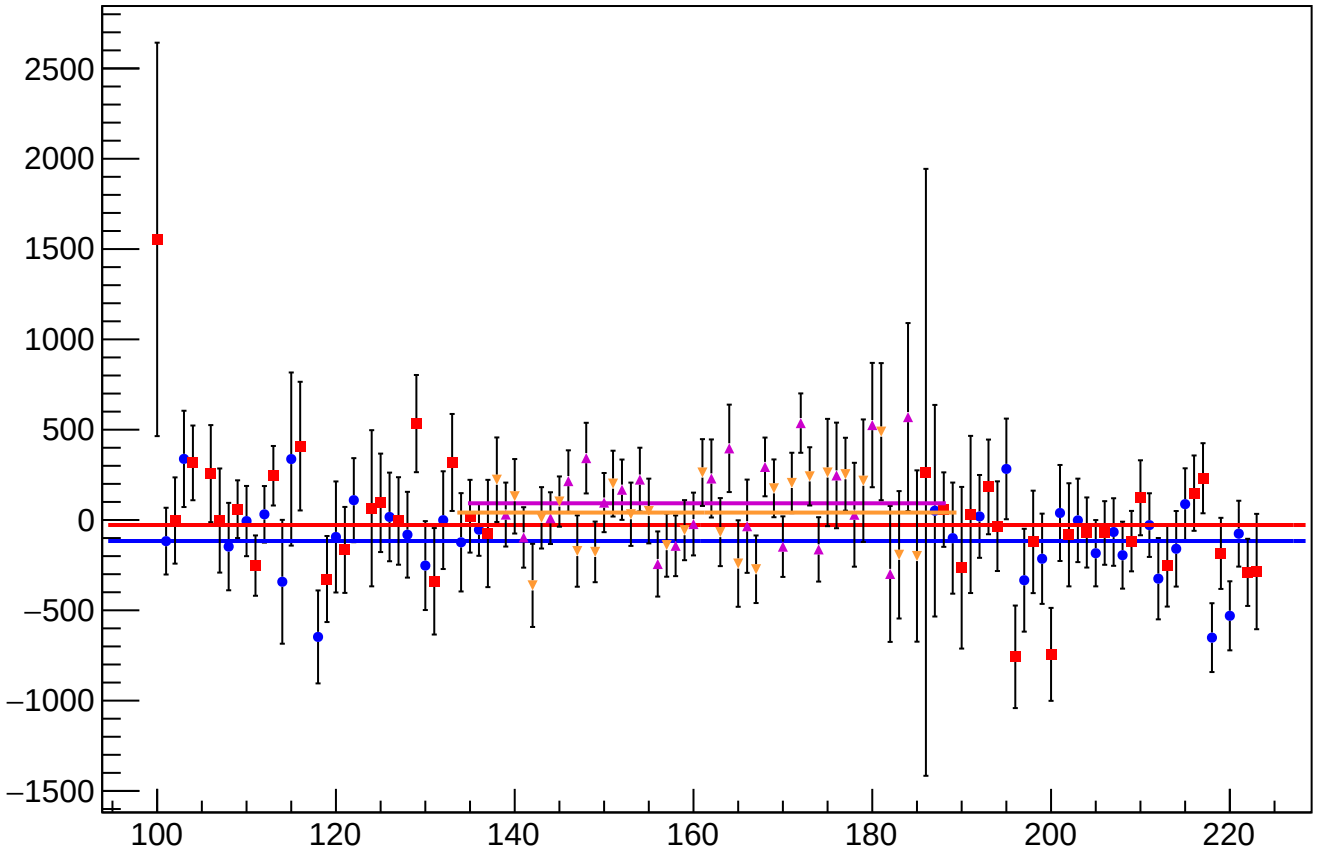
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1679.025+/-0.192 χ^2/NDF: 13002191.4/72

In: 1283.170+/-0.153 χ^2/NDF:9725941.2/56

Out: 1262.462+/-0.148 χ^2/NDF:11340378.2/63

All: 1272.500+/-0.106 χ^2/NDF: 21075794.0/



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

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

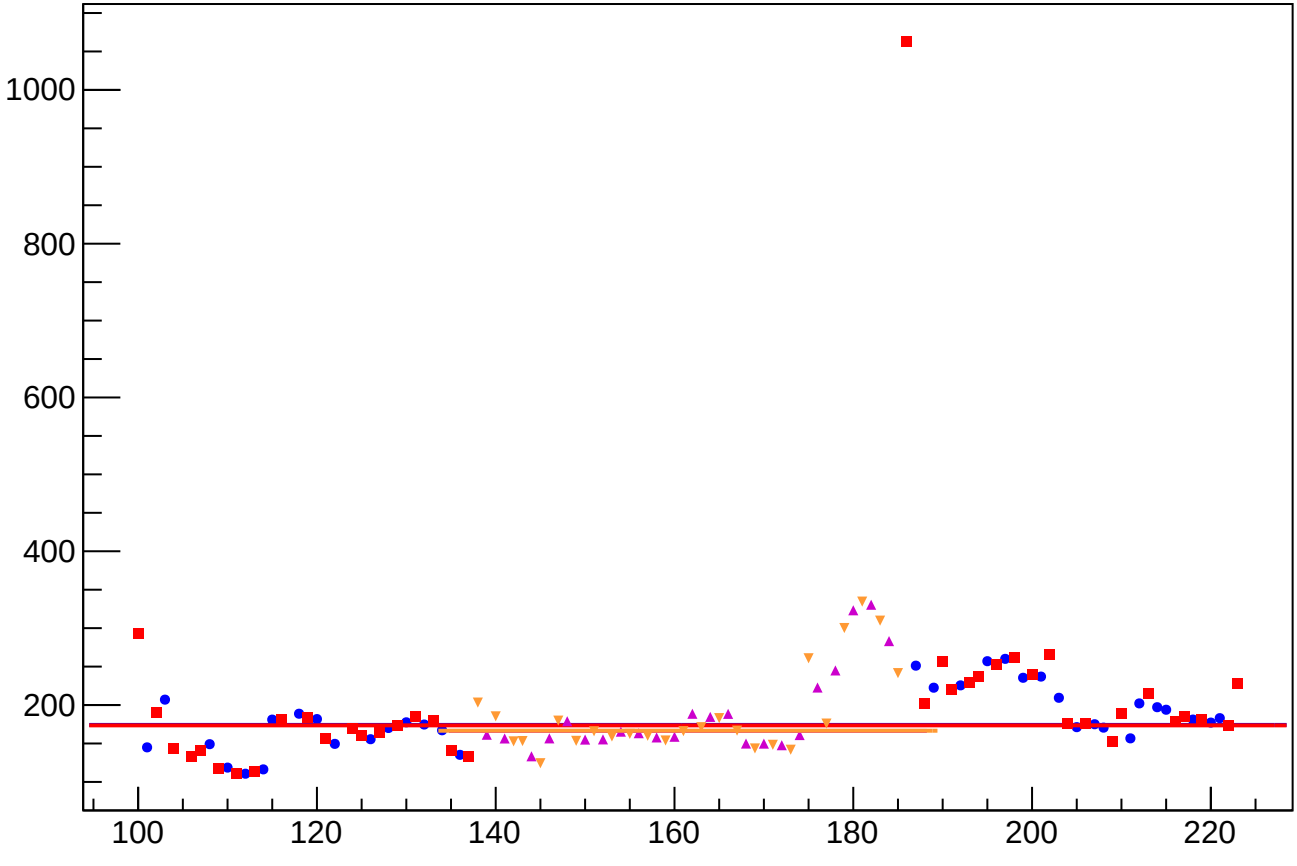
Right: -71.613+/-26.801 χ^2/NDF: 78.5/72

In: -17.459+/-27.631 χ^2/NDF:74.4/56

Out: 5.400+/-27.178 χ^2/NDF:69.0/63

All: -5.840+/-19.376 χ^2/NDF: 143.8/120

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

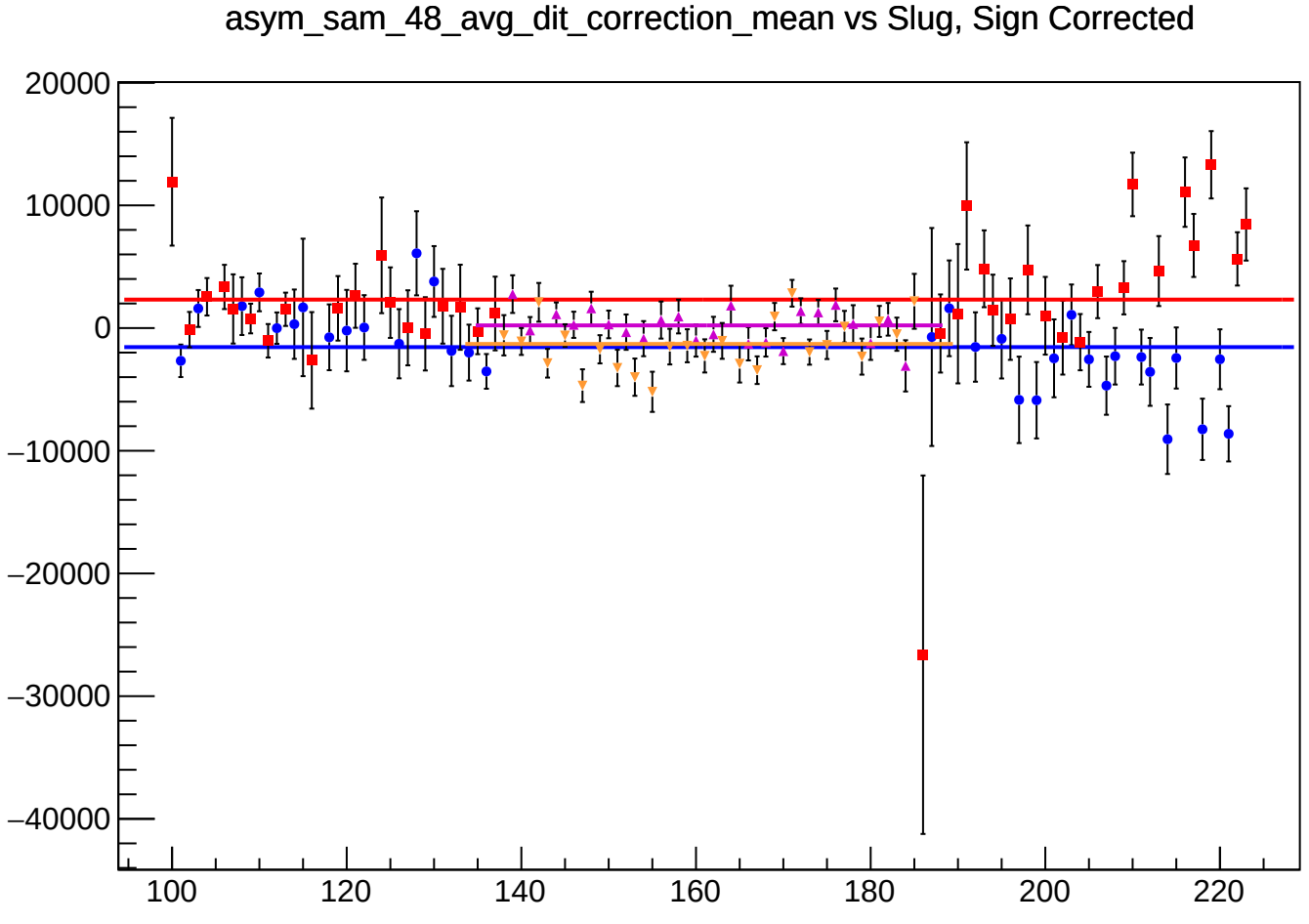
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 173.858+/-0.019 χ^2/NDF: 4598809.9/72

In: 170.433+/-0.020 χ^2/NDF:3198997.0/56

Out: 170.220+/-0.019 χ^2/NDF:4584906.0/63

All: 170.325+/-0.014 χ^2/NDF: 7783963.4/120



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

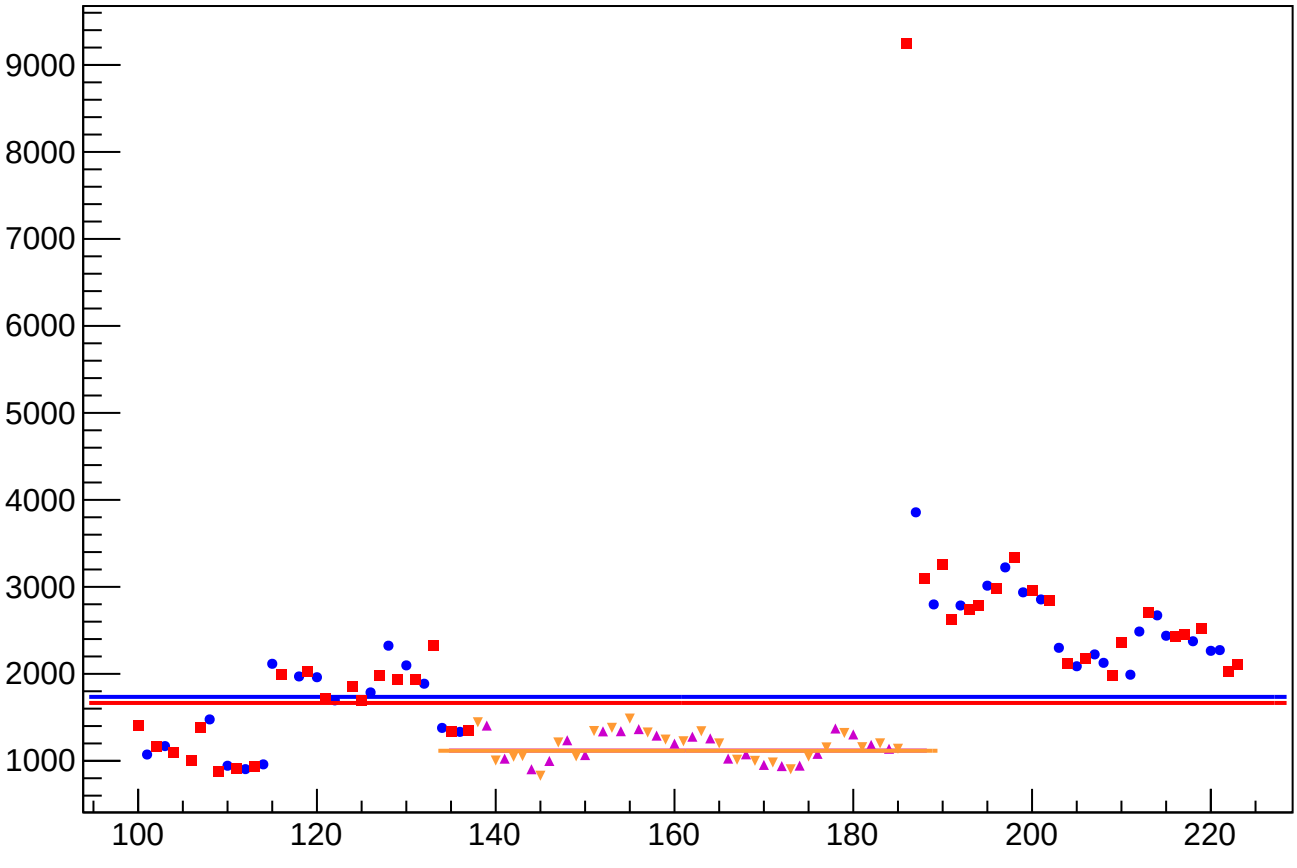
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 456.999+/-274.992 χ^2/NDF: 192.4/72

In: -327.692+/-219.998 χ^2/NDF:97.3/56

Out: -169.928+/-213.137 χ^2/NDF:198.6/63

All: -246.312+/-153.079 χ^2/NDF: 296.1/120



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

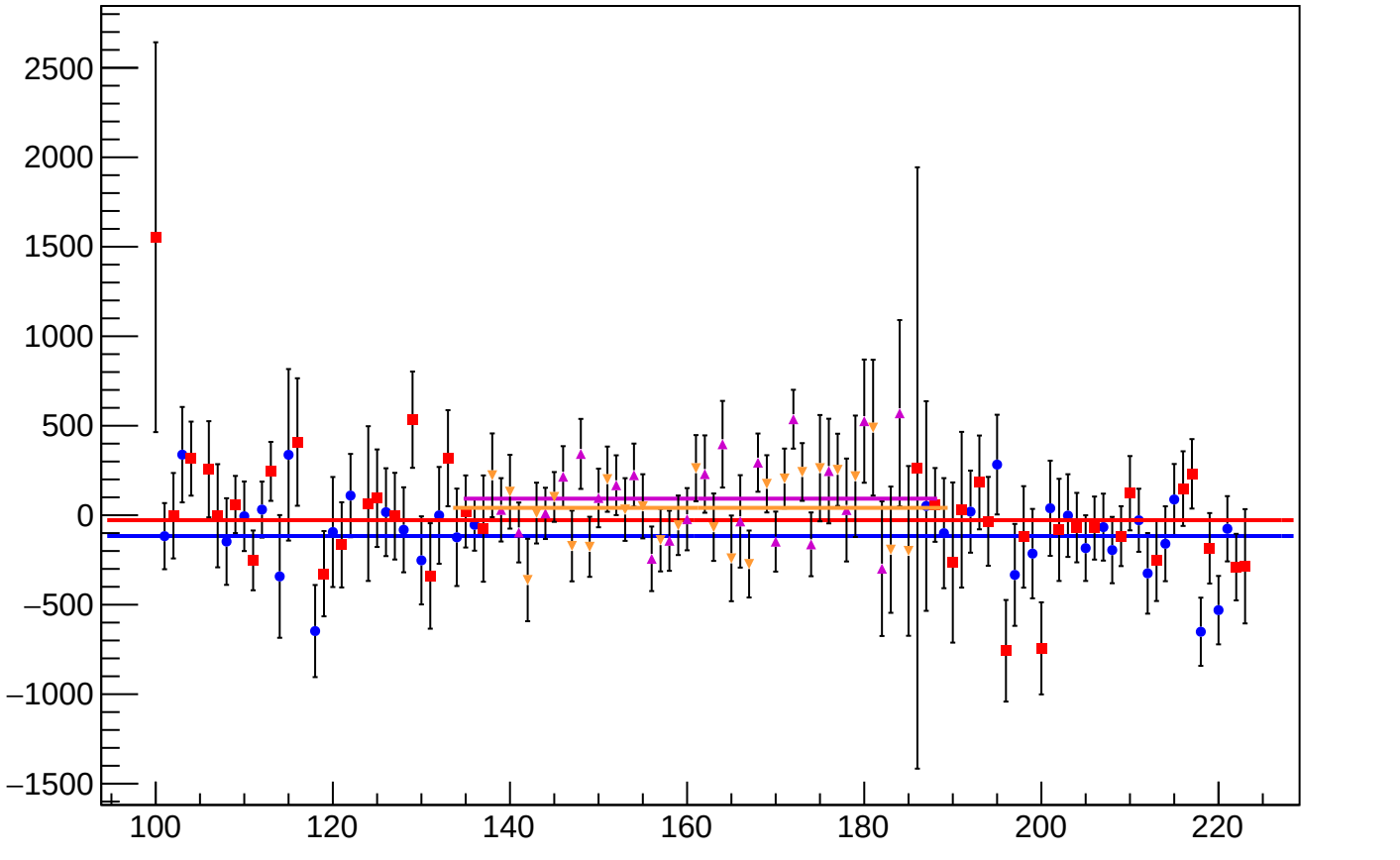
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1699.056+/-0.194 χ^2/NDF: 13134771.6/72

In: 1307.767+/-0.156 χ^2/NDF:9700793.7/56

Out: 1287.478+/-0.151 χ^2/NDF:11207764.3/63

All: 1297.301+/-0.108 χ^2/NDF: 20917332.4/



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

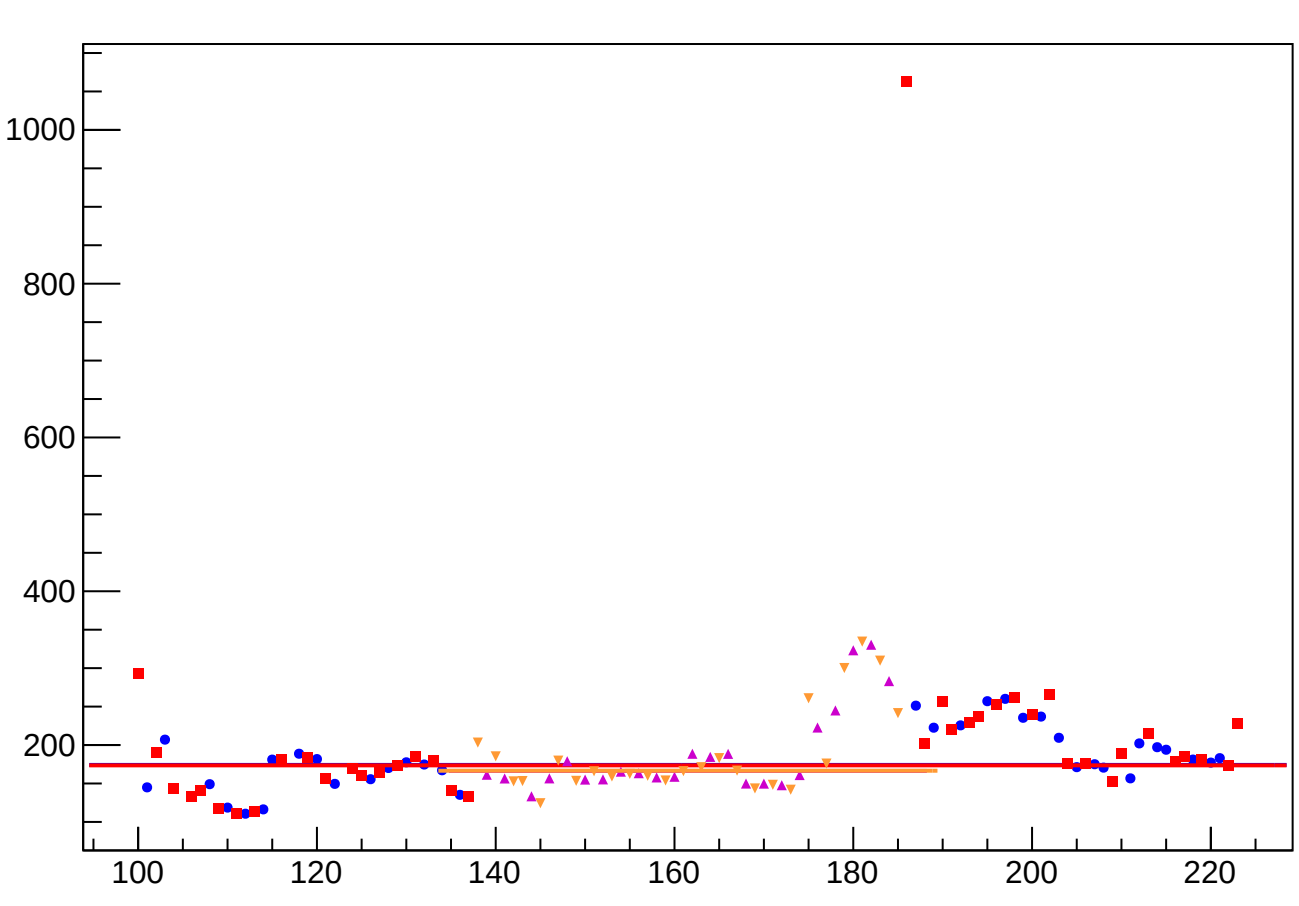
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -71.613+/-26.801 χ^2/NDF: 78.5/72

In: -17.457+/-27.631 χ^2/NDF:74.4/56

Out: 5.399+/-27.178 χ^2/NDF:69.0/63

All: -5.840+/-19.376 χ^2/NDF: 143.8/120



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

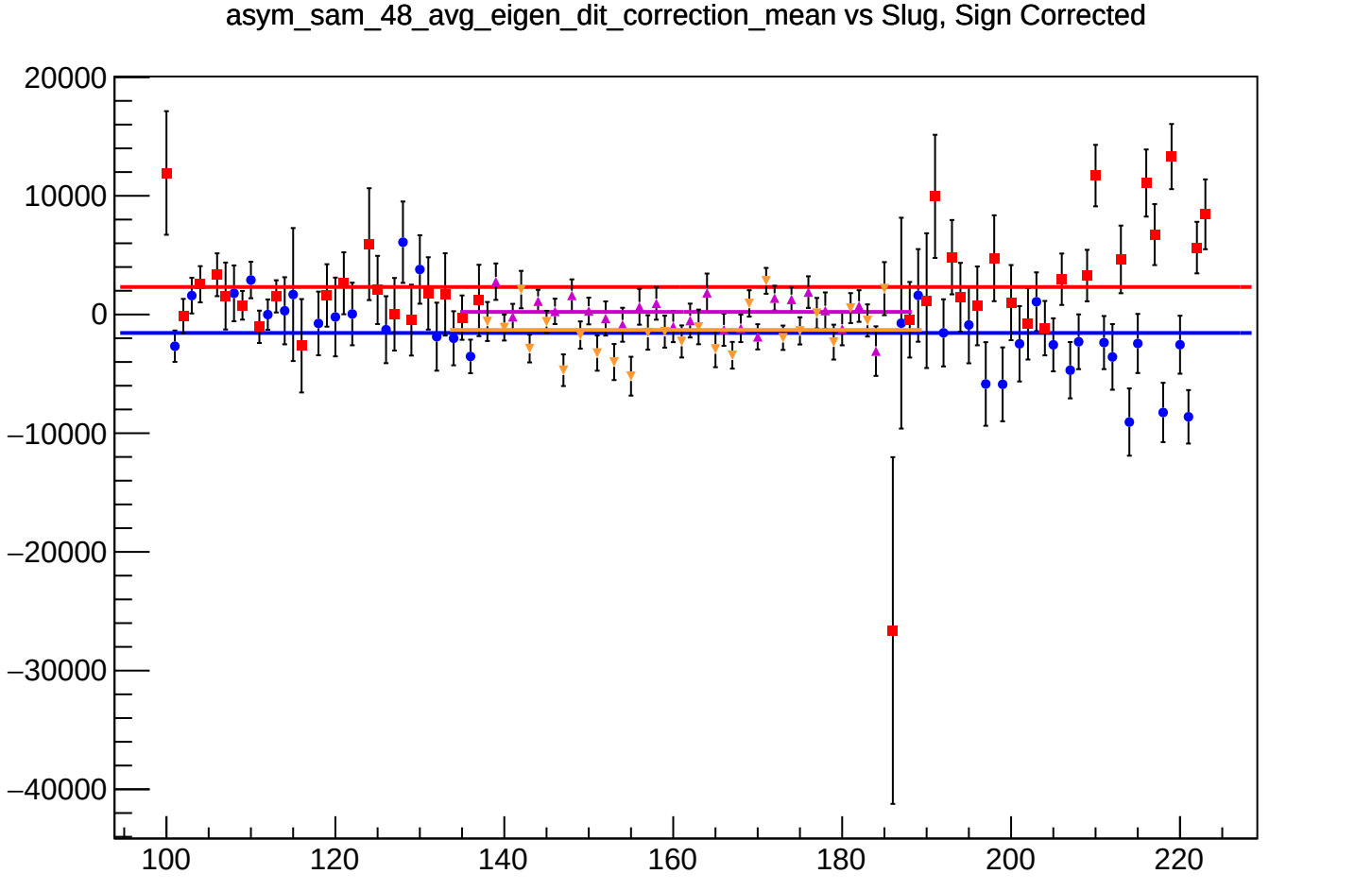
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 173.858+/-0.019 χ^2/NDF: 4598789.9/72

In: 170.433+/-0.020 χ^2/NDF:3198951.5/56

Out: 170.221+/-0.019 χ^2/NDF:4584897.0/63

All: 170.325+/-0.014 χ^2/NDF: 7783908.9/120



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

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

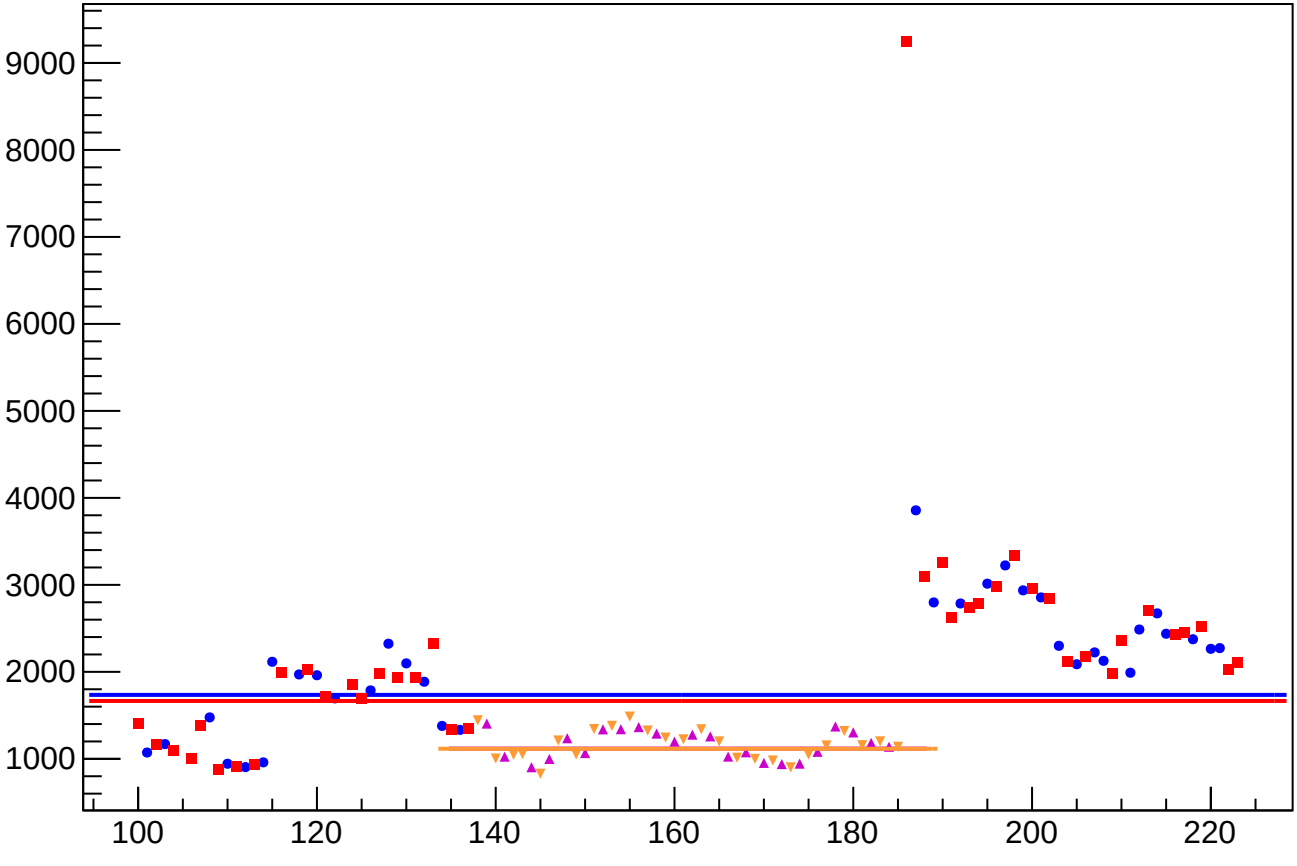
Right: 456.998+/-274.992 χ^2/NDF: 192.4/72

In: -327.692+/-219.997 χ^2/NDF:97.3/56

Out: -169.929+/-213.137 χ^2/NDF:198.6/63

All: -246.312+/-153.079 χ^2/NDF: 296.1/120

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

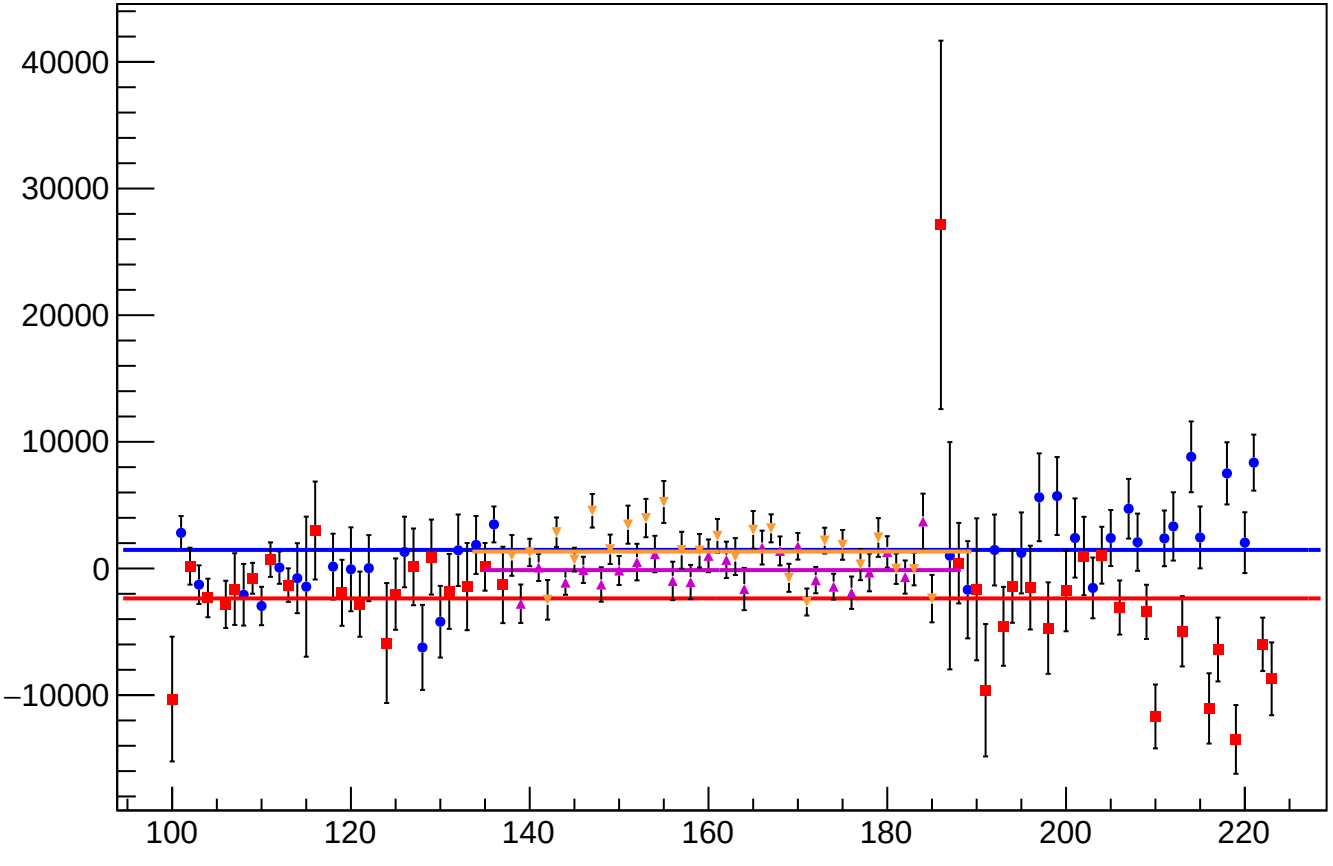
Right: 1699.054+/-0.194 χ^2/NDF: 13134771.2/72

In: 1307.765+/-0.156 χ^2/NDF:9700801.7/56

Out: 1287.476+/-0.151 χ^2/NDF:11207775.9/63

All: 1297.299+/-0.108 χ^2/NDF: 20917352.1/

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

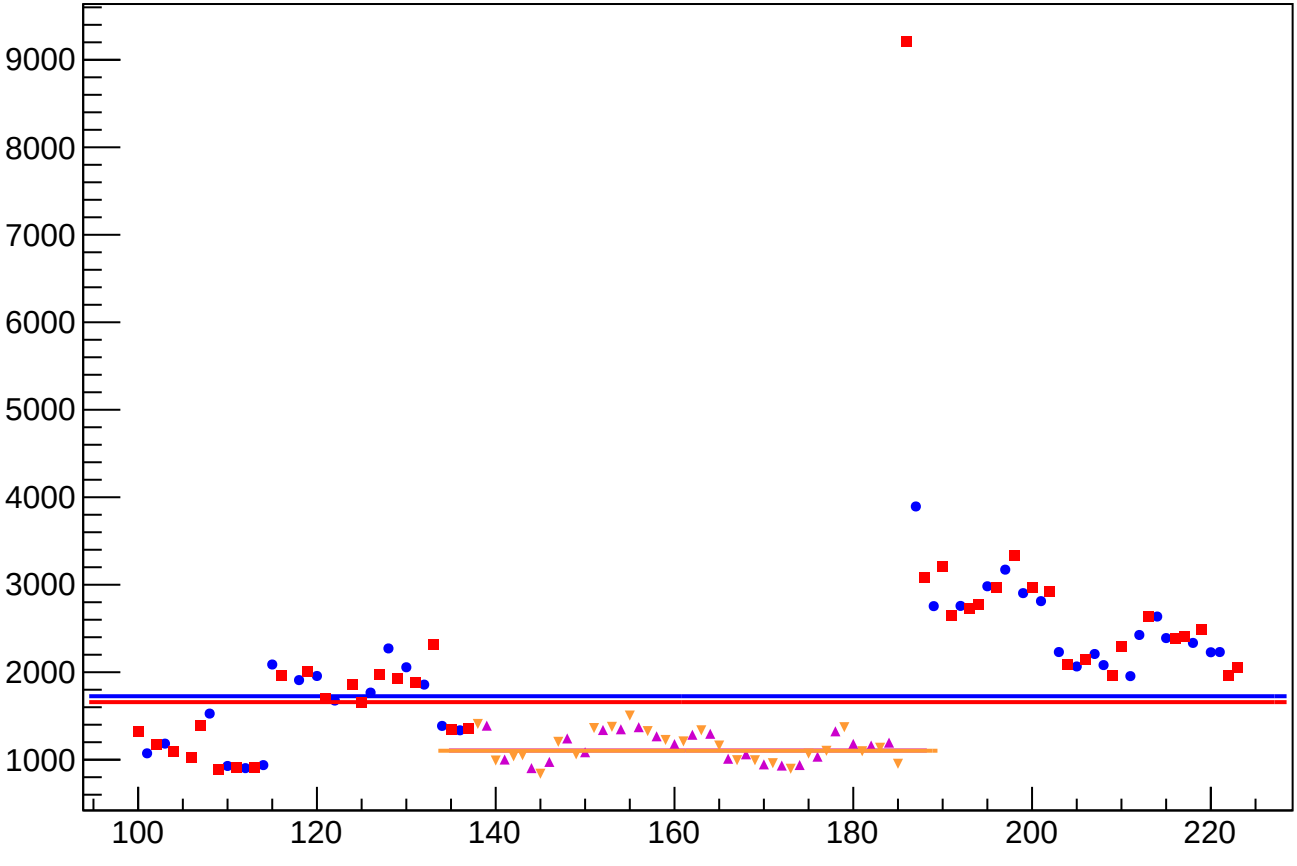
Right: -518.302+/-273.176 χ^2/NDF: 192.6/72

In: 359.972+/-217.769 χ^2/NDF:95.9/56

Out: 189.222+/-211.175 χ^2/NDF:204.2/63

All: 271.973+/-151.601 χ^2/NDF: 300.4/120

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

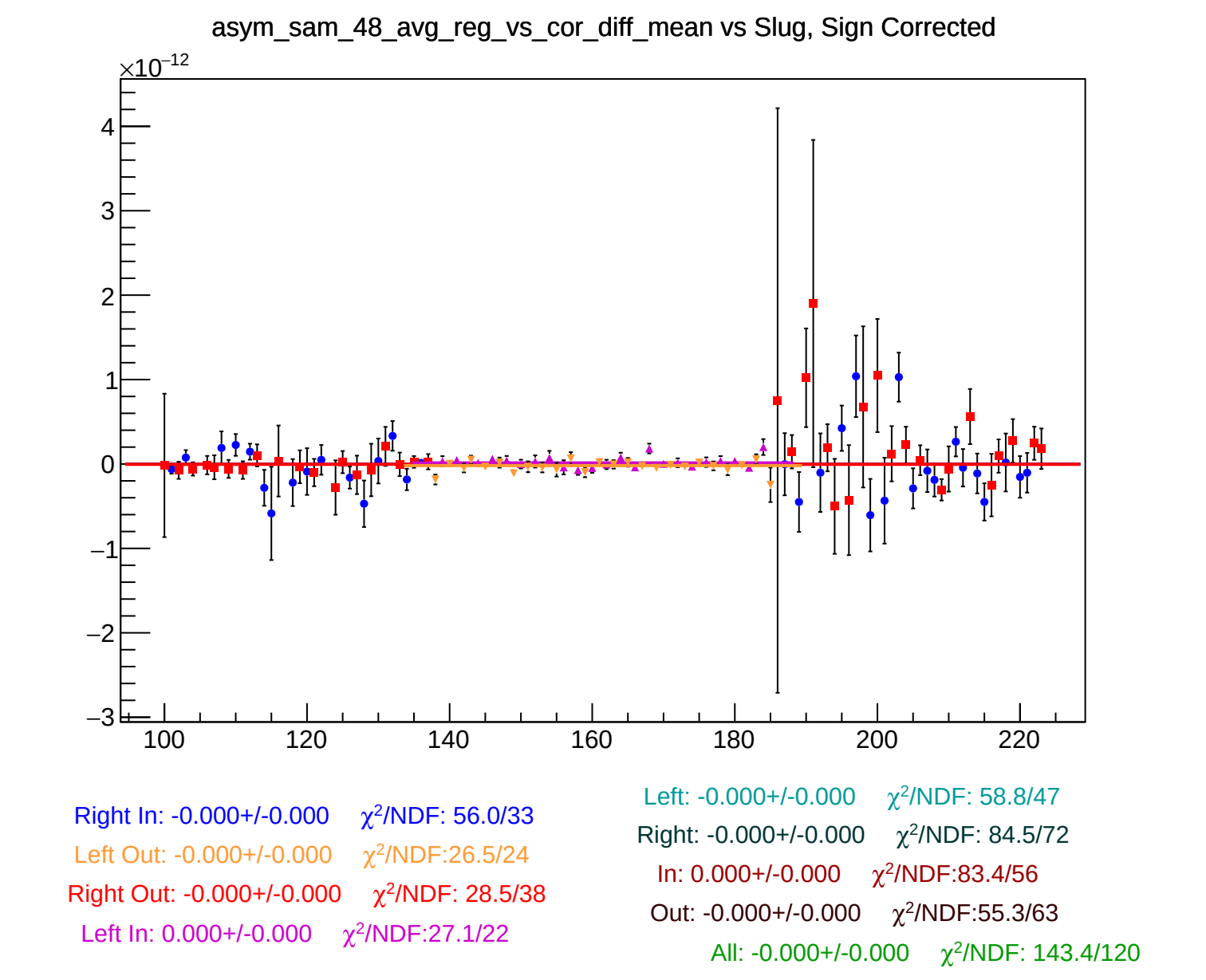
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

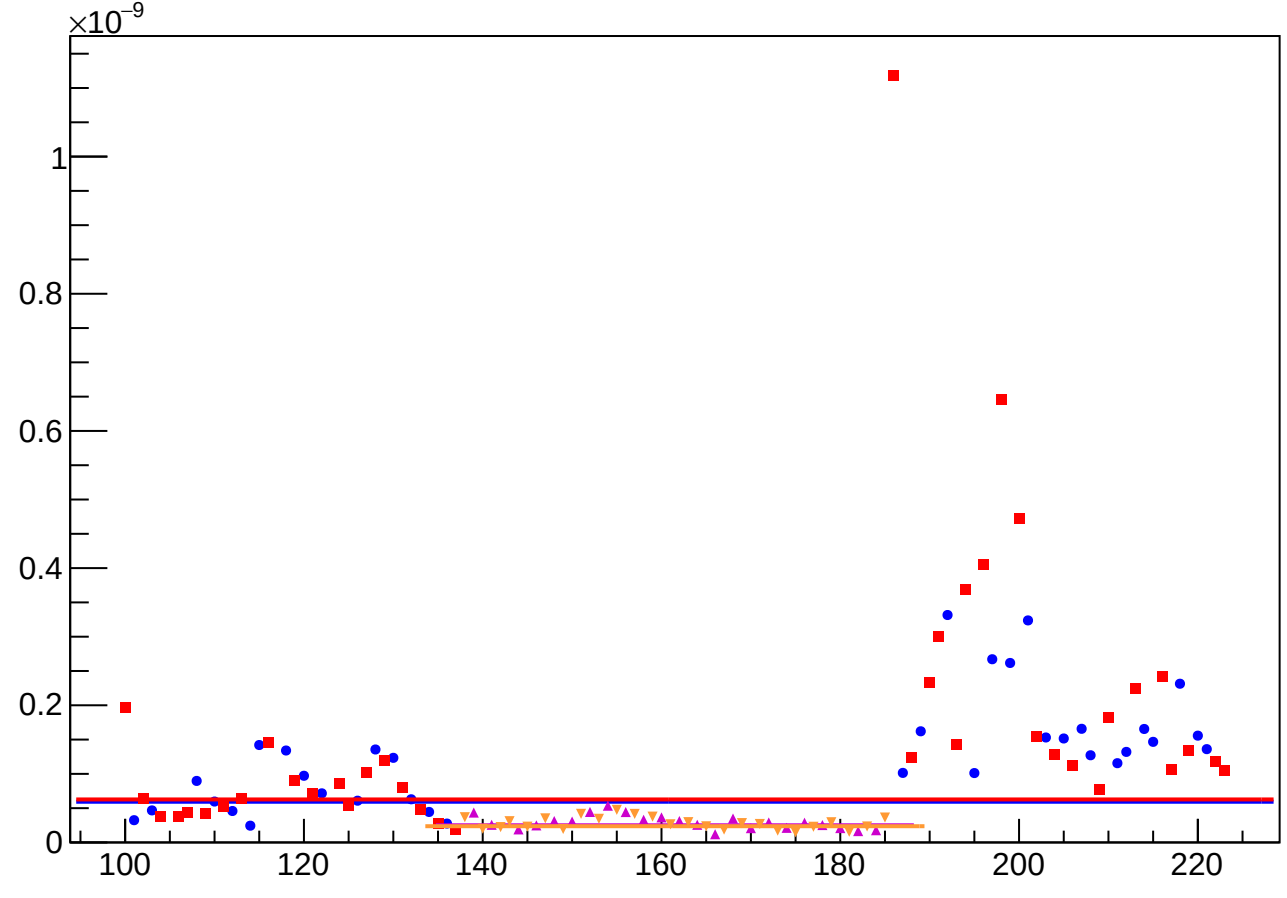
Right: 1690.737+/-0.193 χ^2/NDF: 12814129.2/72

In: 1295.111+/-0.154 χ^2/NDF:9599523.9/56

Out: 1274.798+/-0.149 χ^2/NDF:11196207.4/63

All: 1284.642+/-0.107 χ^2/NDF: 20804699.6/1


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 56.0/33
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.5/38
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 84.5/72
In: 0.000+/-0.000 χ²/NDF:83.4/56
Out: -0.000+/-0.000 χ²/NDF:55.3/63
All: -0.000+/-0.000 χ²/NDF: 143.4/120



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

Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

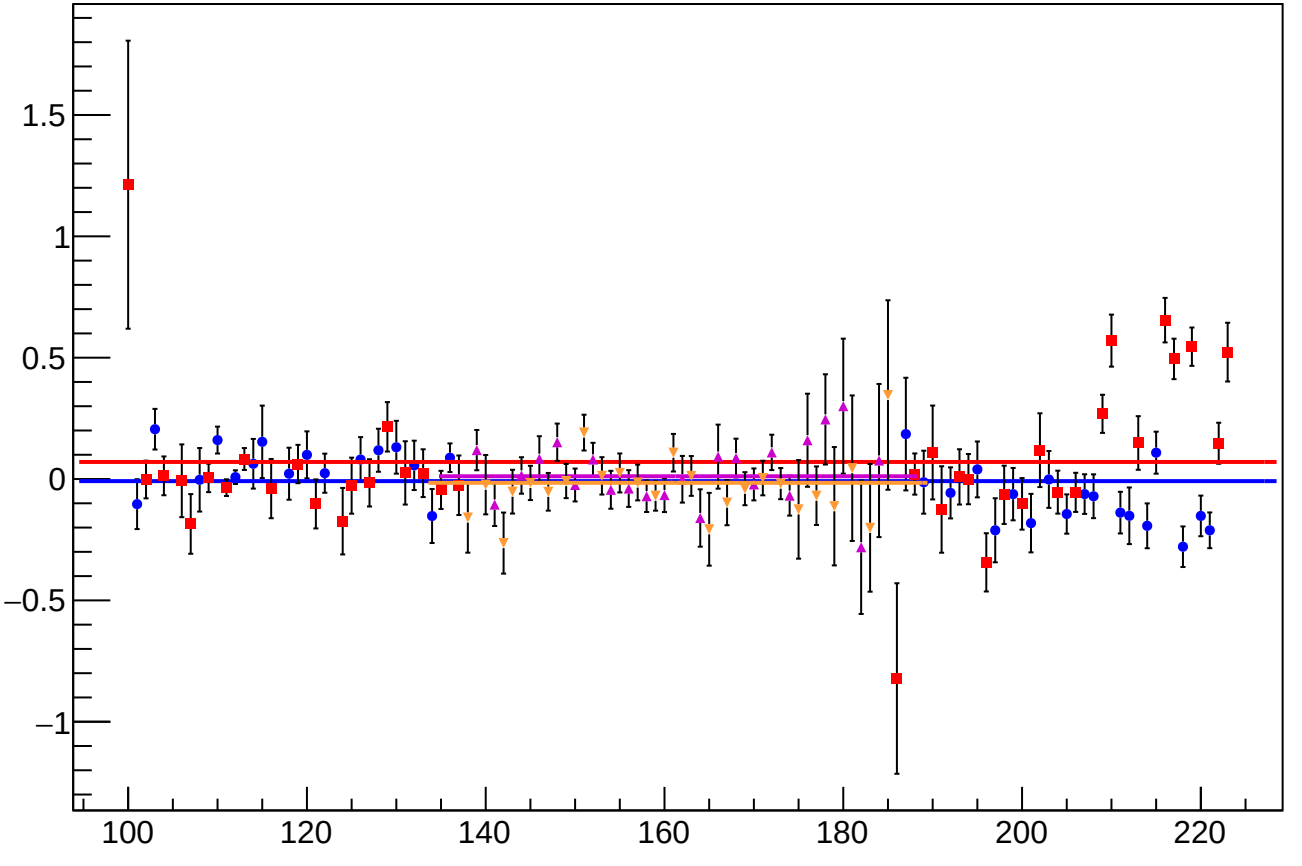
Right: 0.000+/-0.000 χ^2/NDF: 15215906.0/72

In: 0.000+/-0.000 χ^2/NDF:12547801.9/56

Out: 0.000+/-0.000 χ^2/NDF:12981308.1/63

All: 0.000+/-0.000 χ^2/NDF: 25576254.8/120

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

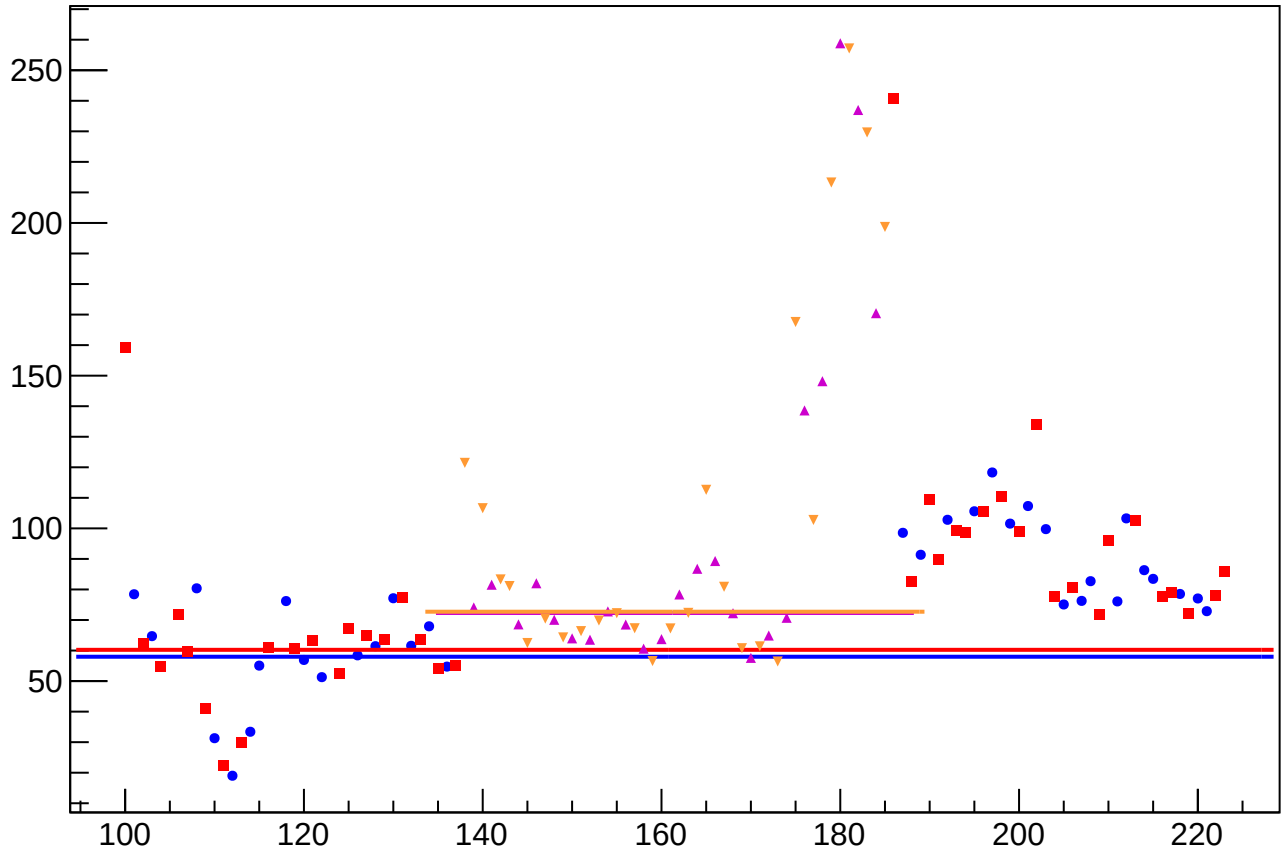
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.031+/-0.010 χ^2/NDF: 293.3/72

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.038+/-0.011 χ^2/NDF:243.7/63

All: 0.018+/-0.008 χ^2/NDF: 343.5/120



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

Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

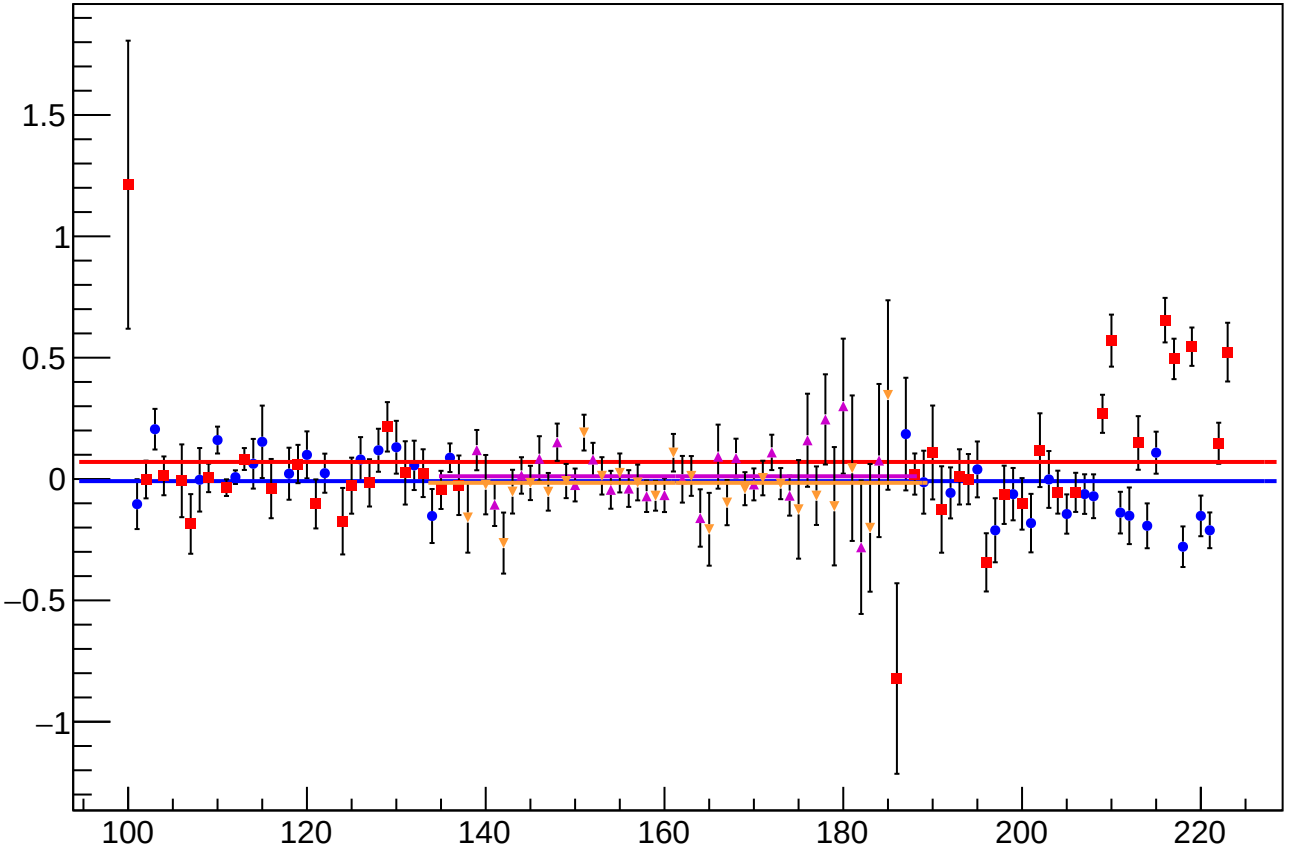
Right: 59.099+/-0.007 χ^2/NDF: 15900682.1/72

In: 63.313+/-0.008 χ^2/NDF:11920113.3/56

Out: 65.011+/-0.008 χ^2/NDF:12074681.5/63

All: 64.164+/-0.006 χ^2/NDF: 24018086.6/120

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

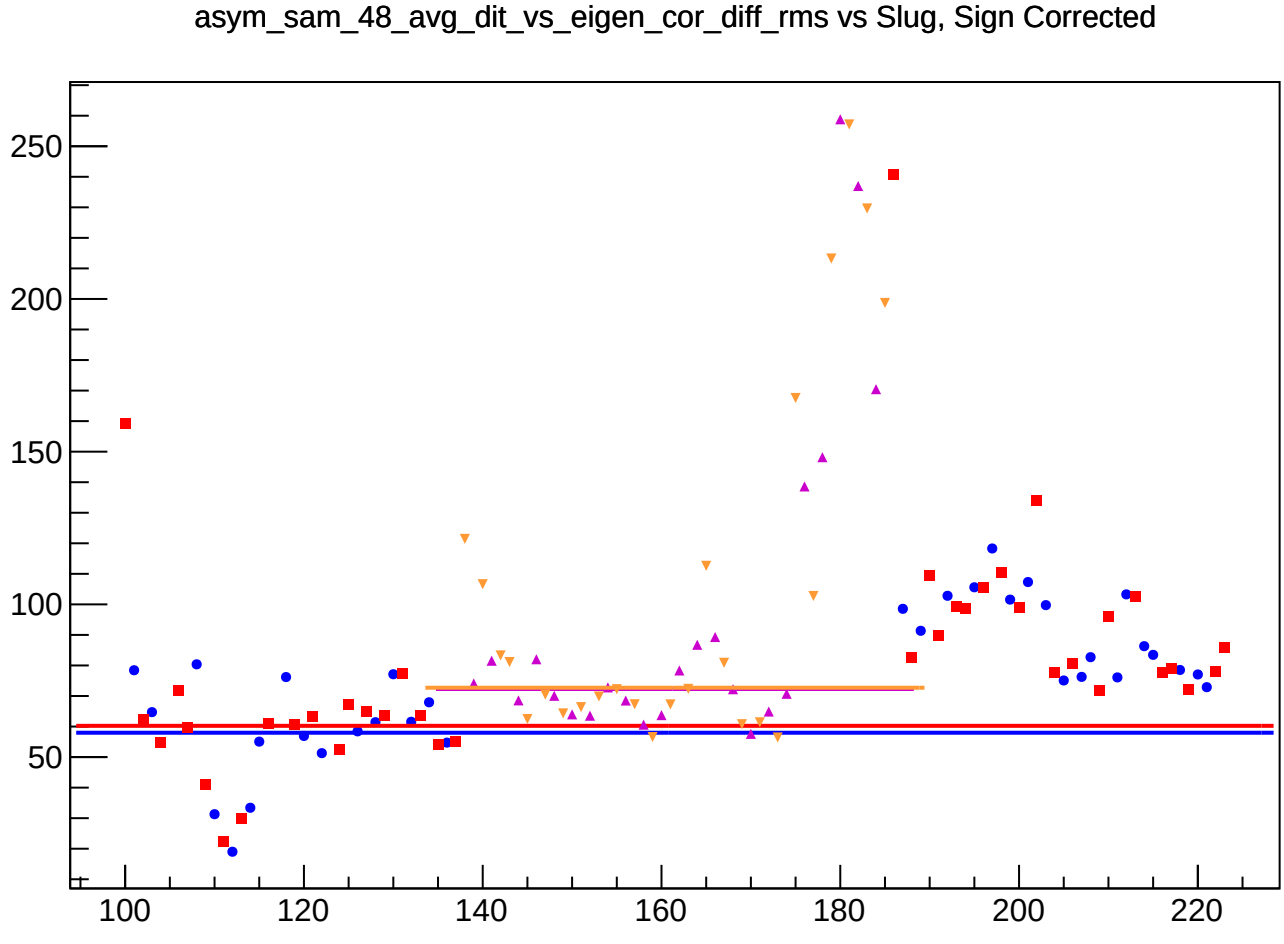
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.031+/-0.010 χ^2/NDF: 293.3/72

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.038+/-0.011 χ^2/NDF:243.7/63

All: 0.018+/-0.008 χ^2/NDF: 343.5/120



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

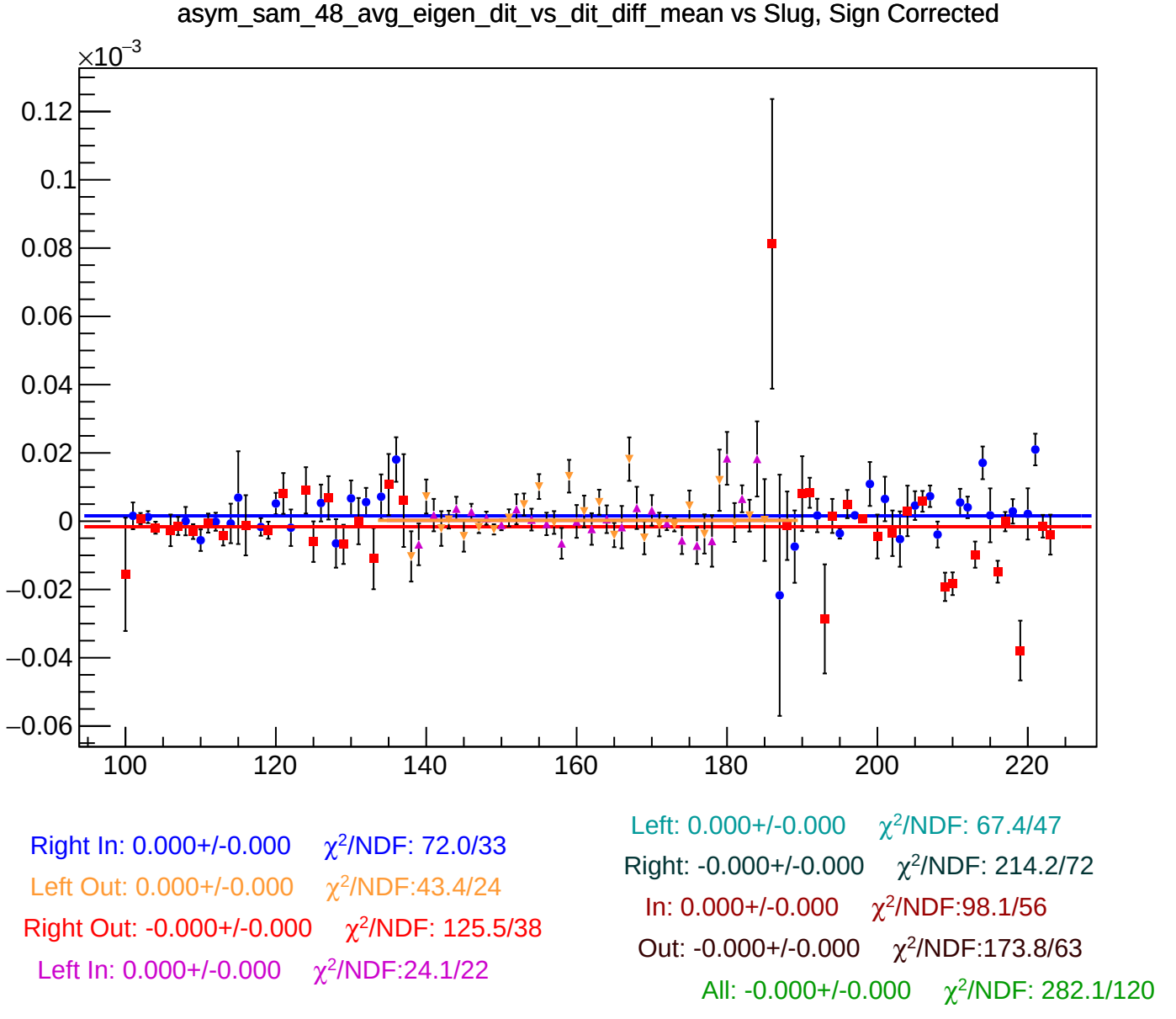
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 59.099+/-0.007 χ^2/NDF: 15900682.1/72

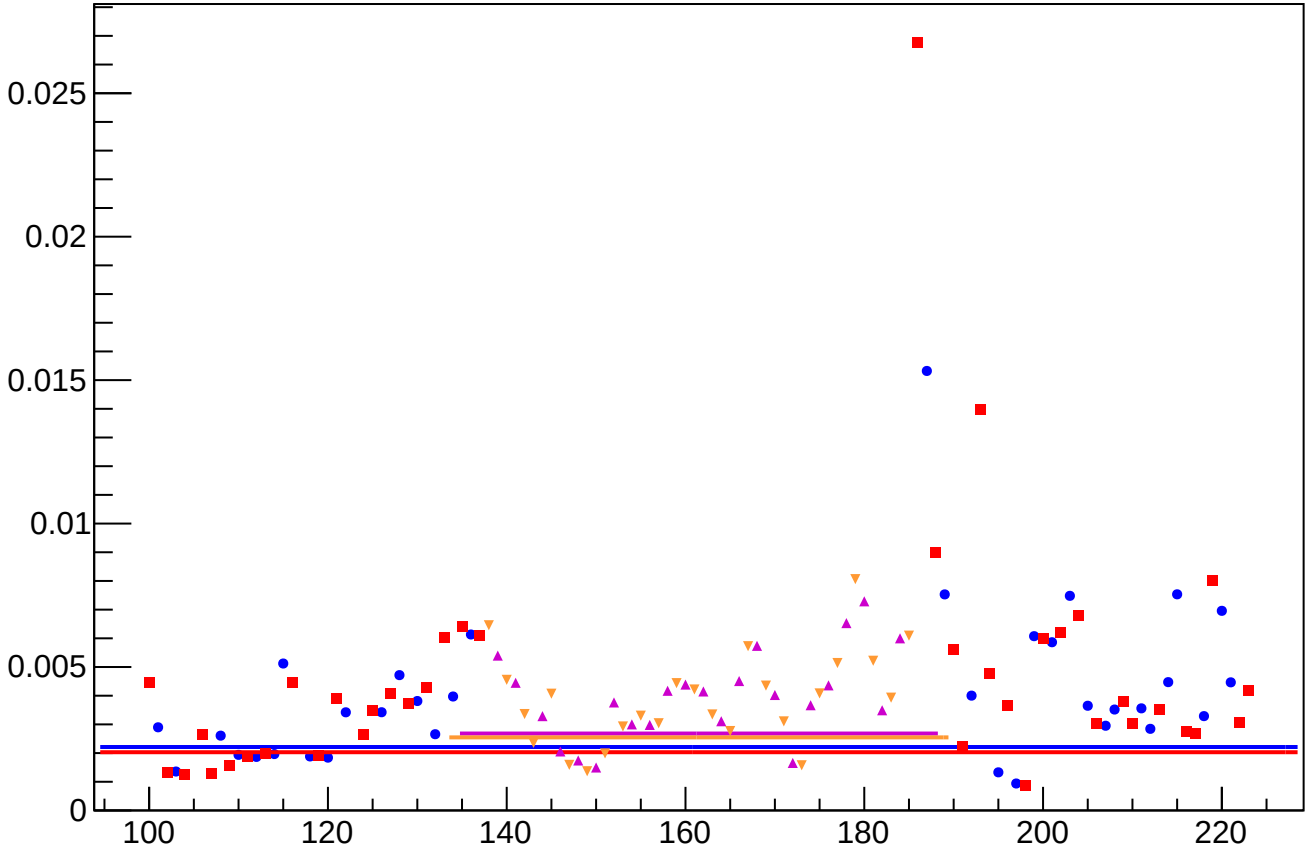
In: 63.313+/-0.008 χ^2/NDF:11920113.3/56

Out: 65.011+/-0.008 χ^2/NDF:12074681.5/63

All: 64.164+/-0.006 χ^2/NDF: 24018086.6/120


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 72.0/33
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 125.5/38
Left In: 0.000+/-0.000 χ²/NDF:24.1/22
Left: 0.000+/-0.000 χ²/NDF: 67.4/47
Right: -0.000+/-0.000 χ²/NDF: 214.2/72
In: 0.000+/-0.000 χ²/NDF:98.1/56
Out: -0.000+/-0.000 χ²/NDF:173.8/63
All: -0.000+/-0.000 χ²/NDF: 282.1/120

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

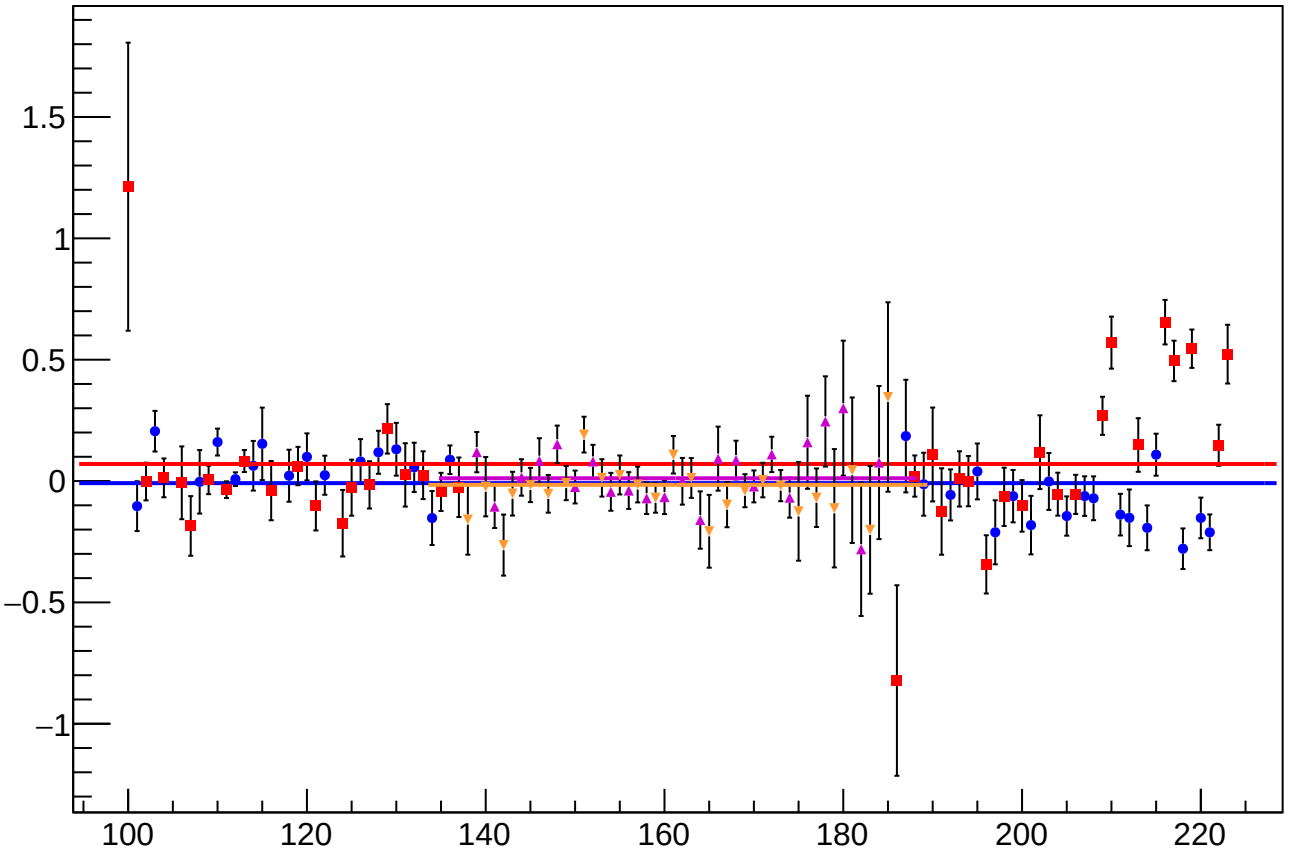
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 26974626.4/72

In: 0.002+/-0.000 χ^2/NDF:19075140.8/56

Out: 0.002+/-0.000 χ^2/NDF:23085066.5/63

All: 0.002+/-0.000 χ^2/NDF: 42309168.7/120



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

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

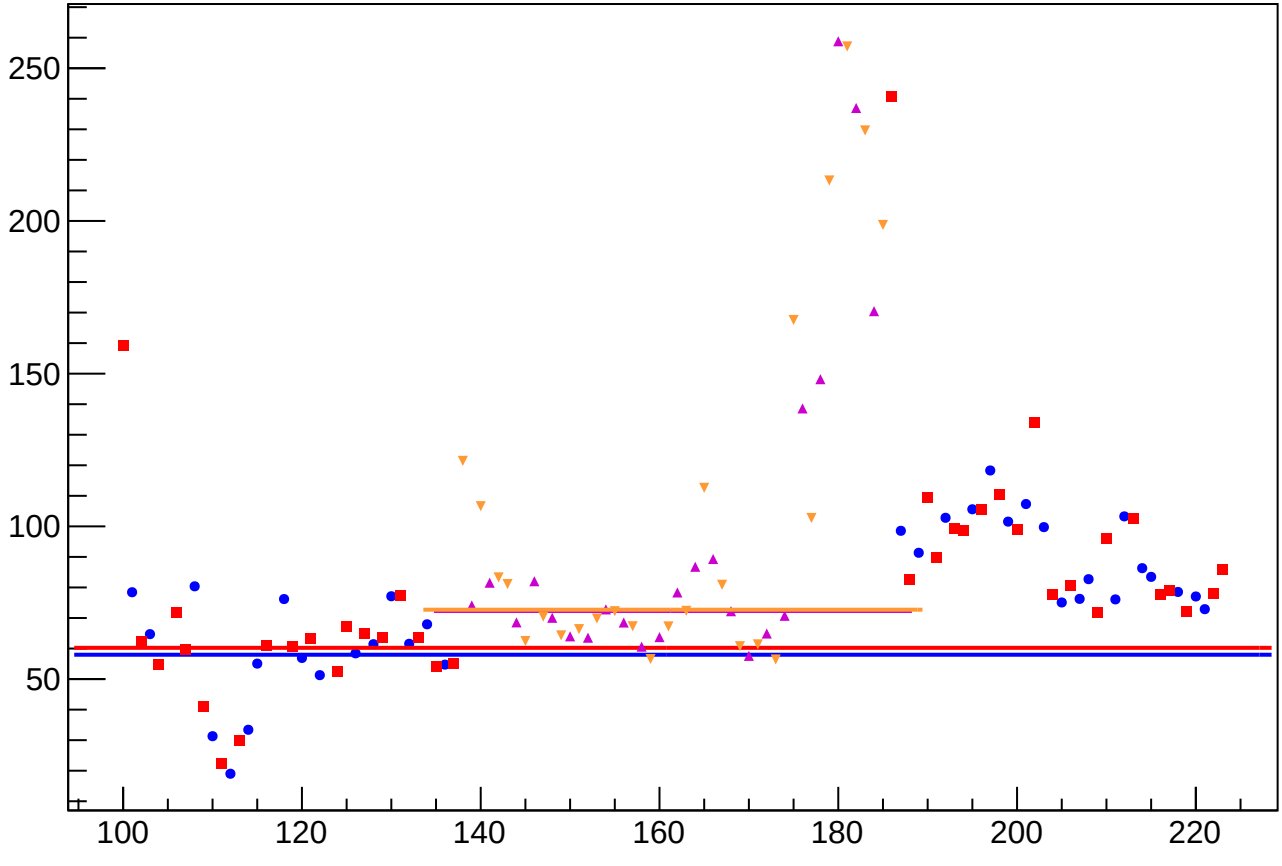
Right: 0.031+/-0.010 χ^2/NDF: 293.3/72

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.038+/-0.011 χ^2/NDF:243.7/63

All: 0.018+/-0.008 χ^2/NDF: 343.4/120

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

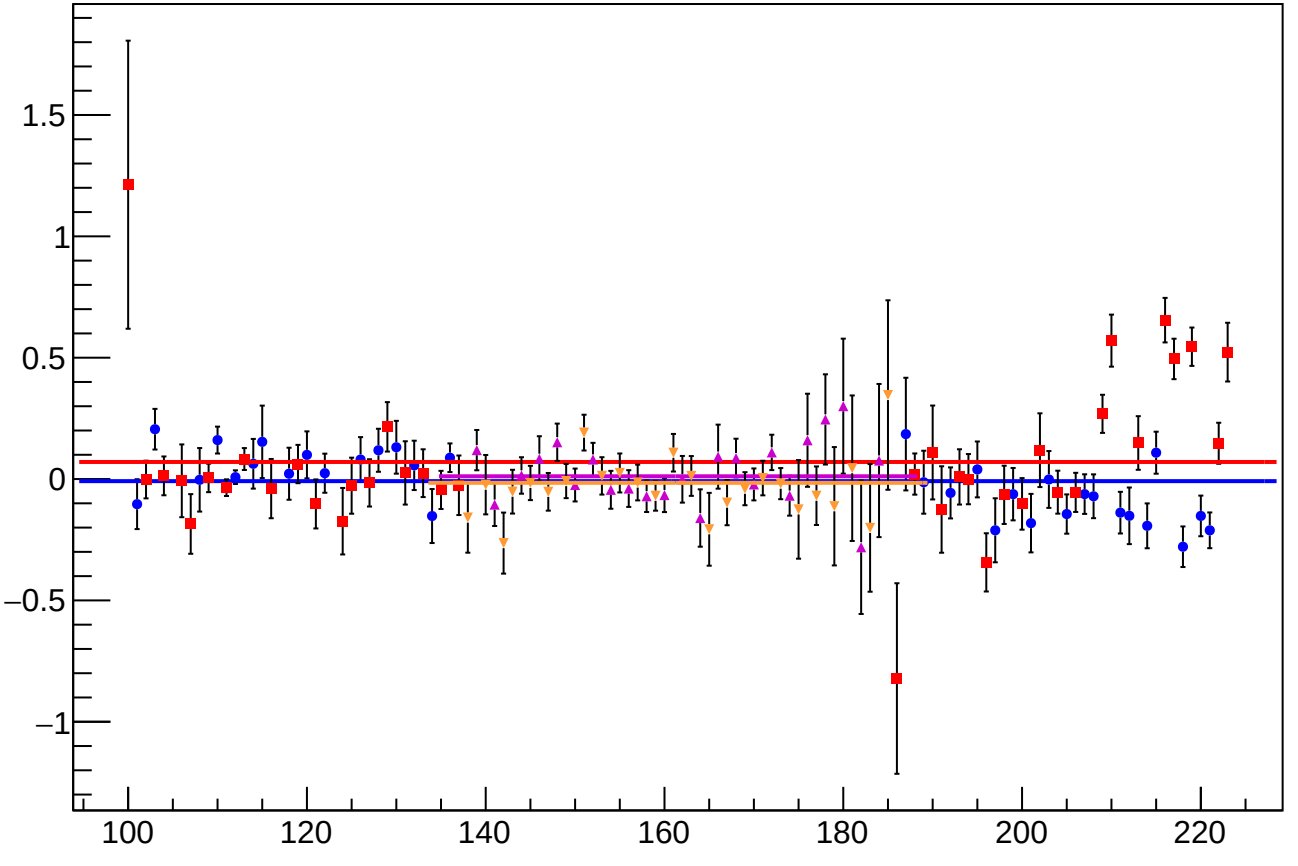
Right: 59.098+/-0.007 χ^2/NDF: 15901294.3/72

In: 63.312+/-0.008 χ^2/NDF:11920495.7/56

Out: 65.011+/-0.008 χ^2/NDF:12075102.1/63

All: 64.164+/-0.006 χ^2/NDF: 24018892.8/120

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

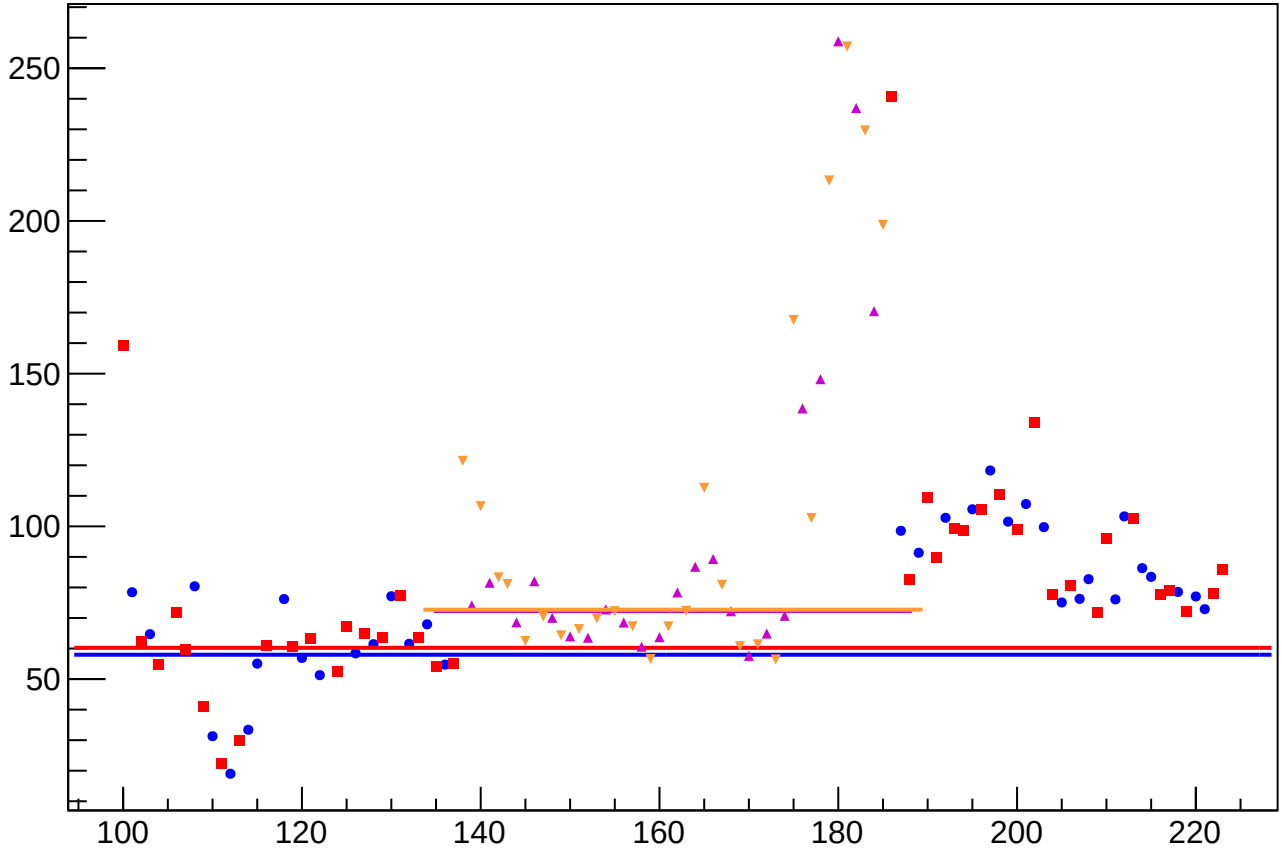
Right: 0.031+/-0.010 χ^2/NDF: 293.3/72

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.038+/-0.011 χ^2/NDF:243.7/63

All: 0.018+/-0.008 χ^2/NDF: 343.4/120

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

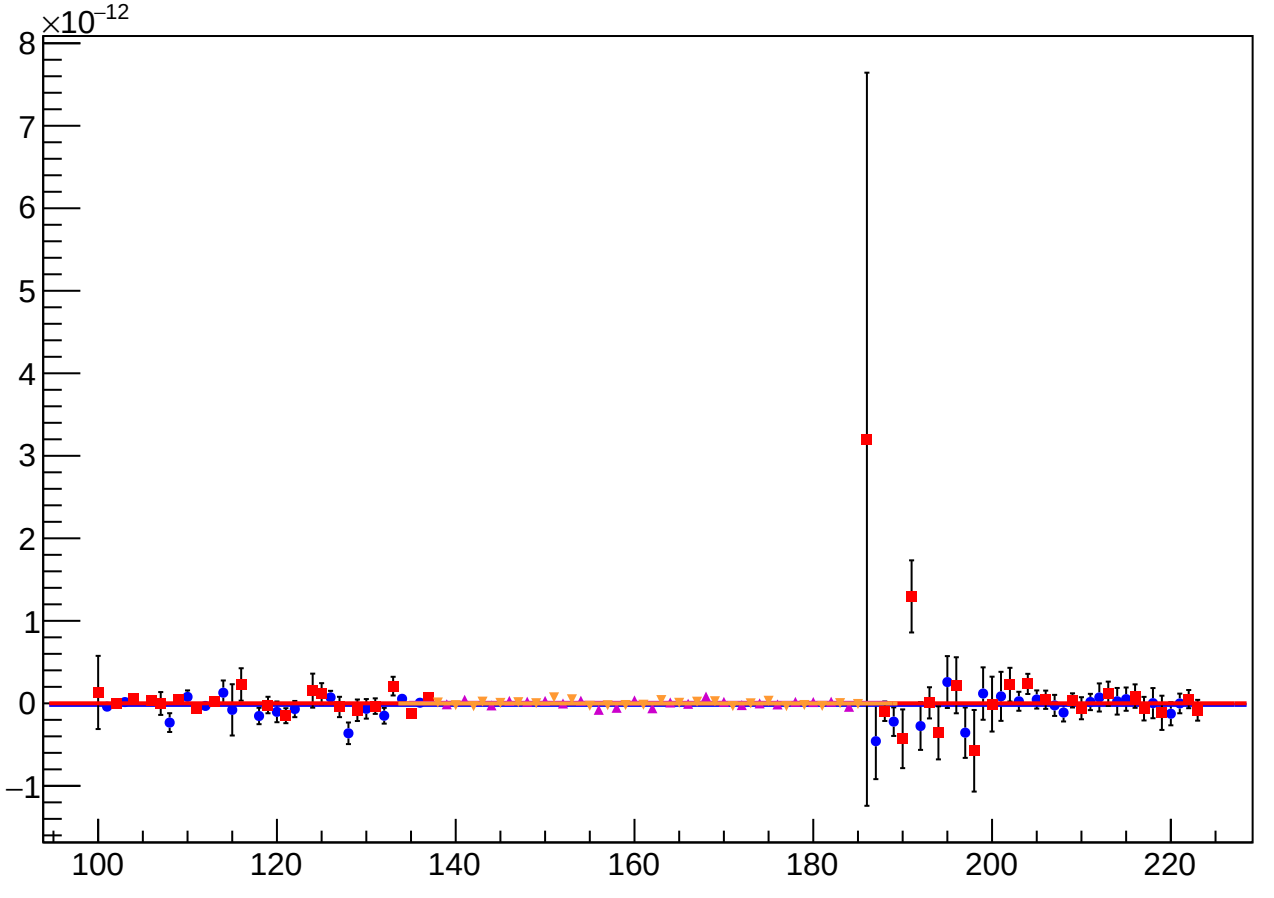
Right: 59.098+/-0.007 χ^2/NDF: 15901294.3/72

In: 63.312+/-0.008 χ^2/NDF:11920495.7/56

Out: 65.011+/-0.008 χ^2/NDF:12075102.1/63

All: 64.164+/-0.006 χ^2/NDF: 24018892.8/120

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

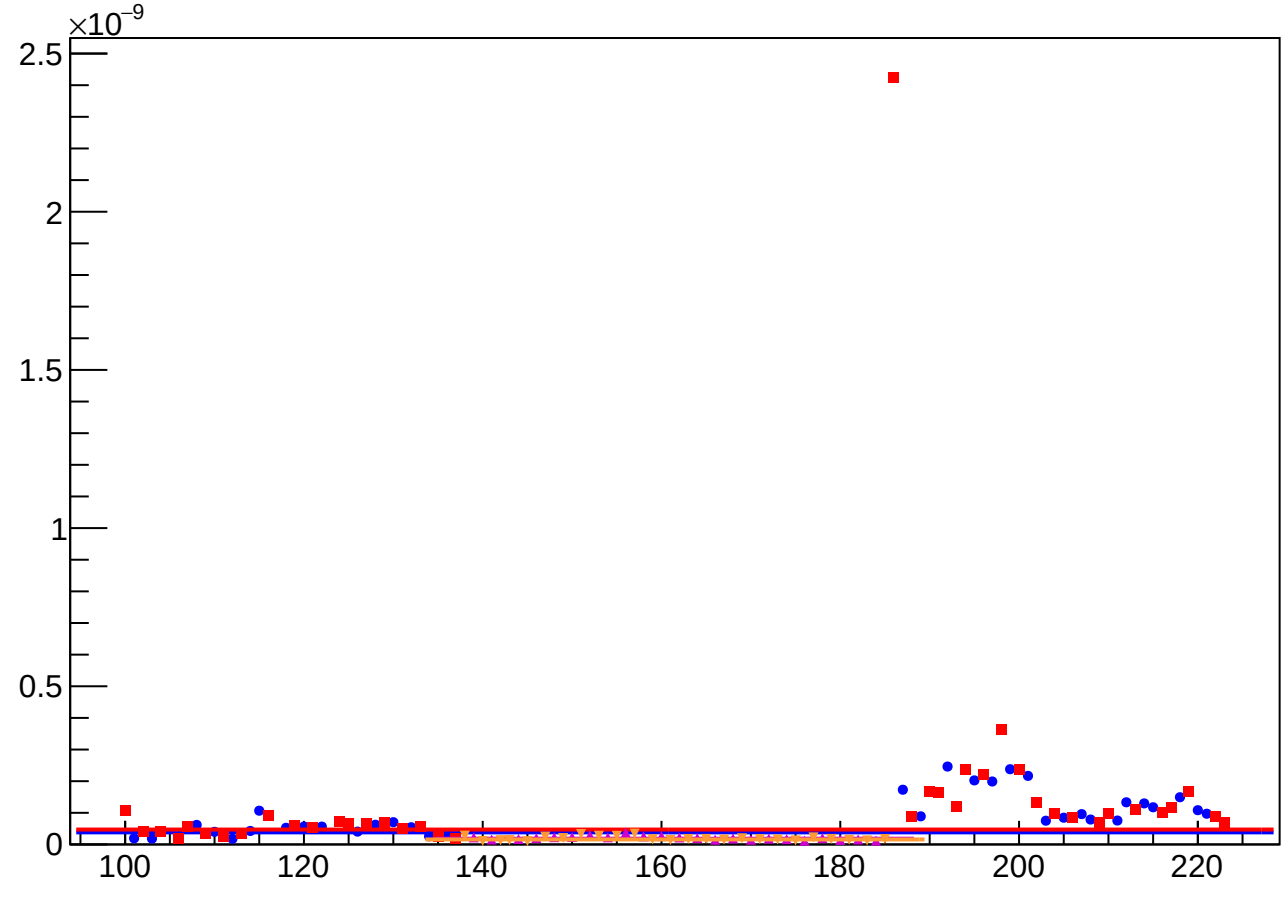
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 77.4/72

In: 0.000+/-0.000 χ^2/NDF:72.2/56

Out: -0.000+/-0.000 χ^2/NDF:73.4/63

All: 0.000+/-0.000 χ^2/NDF: 145.9/120



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

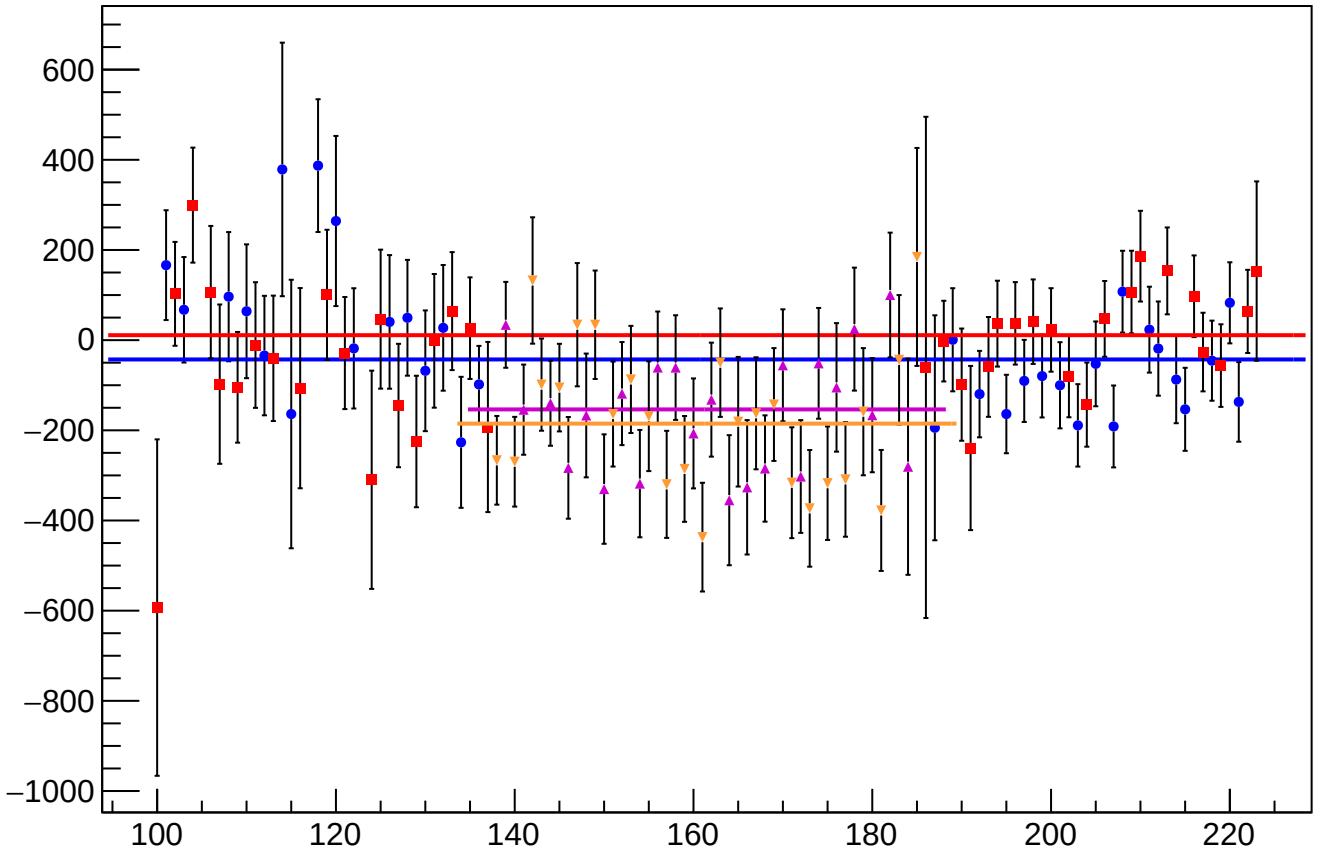
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 22890850.4/72

In: 0.000+/-0.000 χ^2/NDF:17576989.7/56

Out: 0.000+/-0.000 χ^2/NDF:20665272.2/63

All: 0.000+/-0.000 χ^2/NDF: 38485675.3/120



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

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

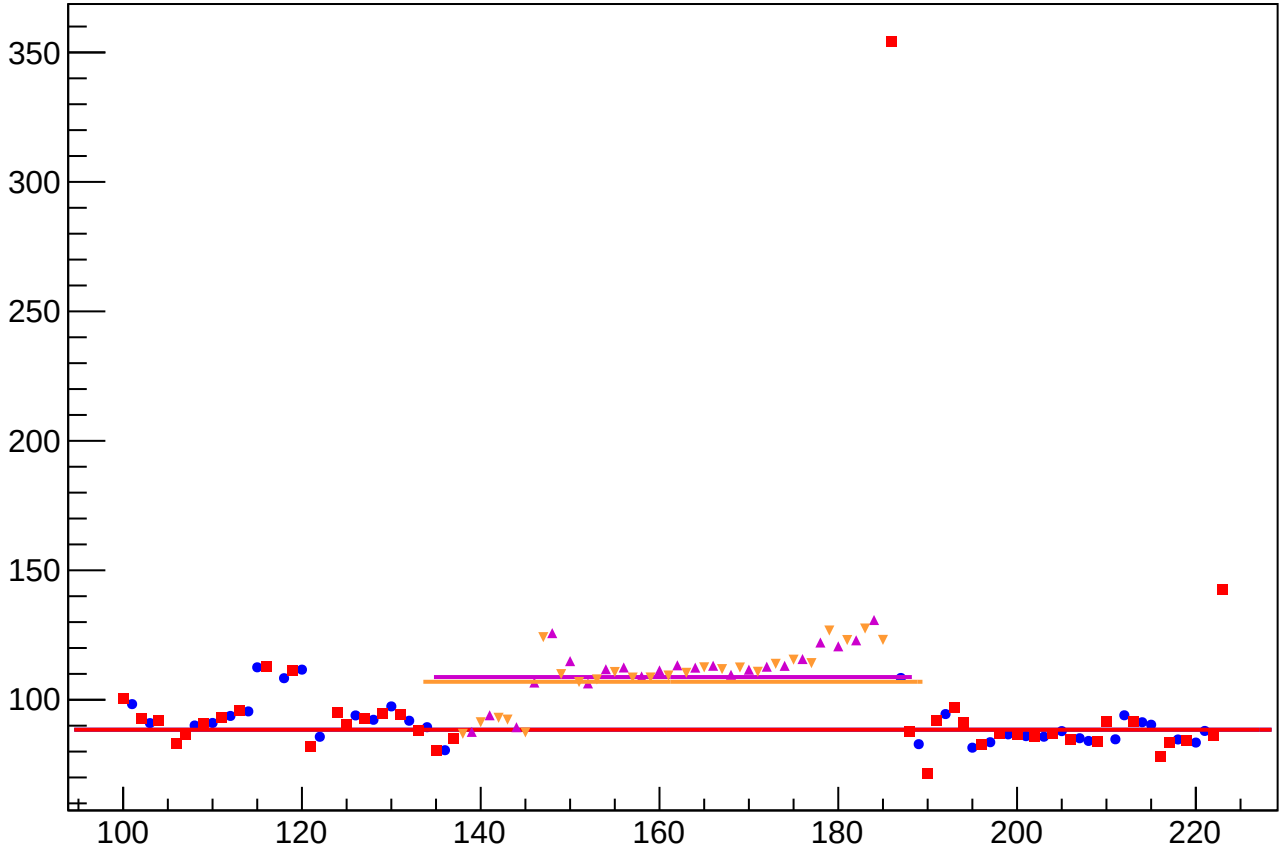
Right: -15.556+/-13.262 χ^2/NDF: 77.5/72

In: -81.973+/-15.180 χ^2/NDF:74.9/56

Out: -61.057+/-14.822 χ^2/NDF:107.9/63

All: -71.266+/-10.605 χ^2/NDF: 183.8/120

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

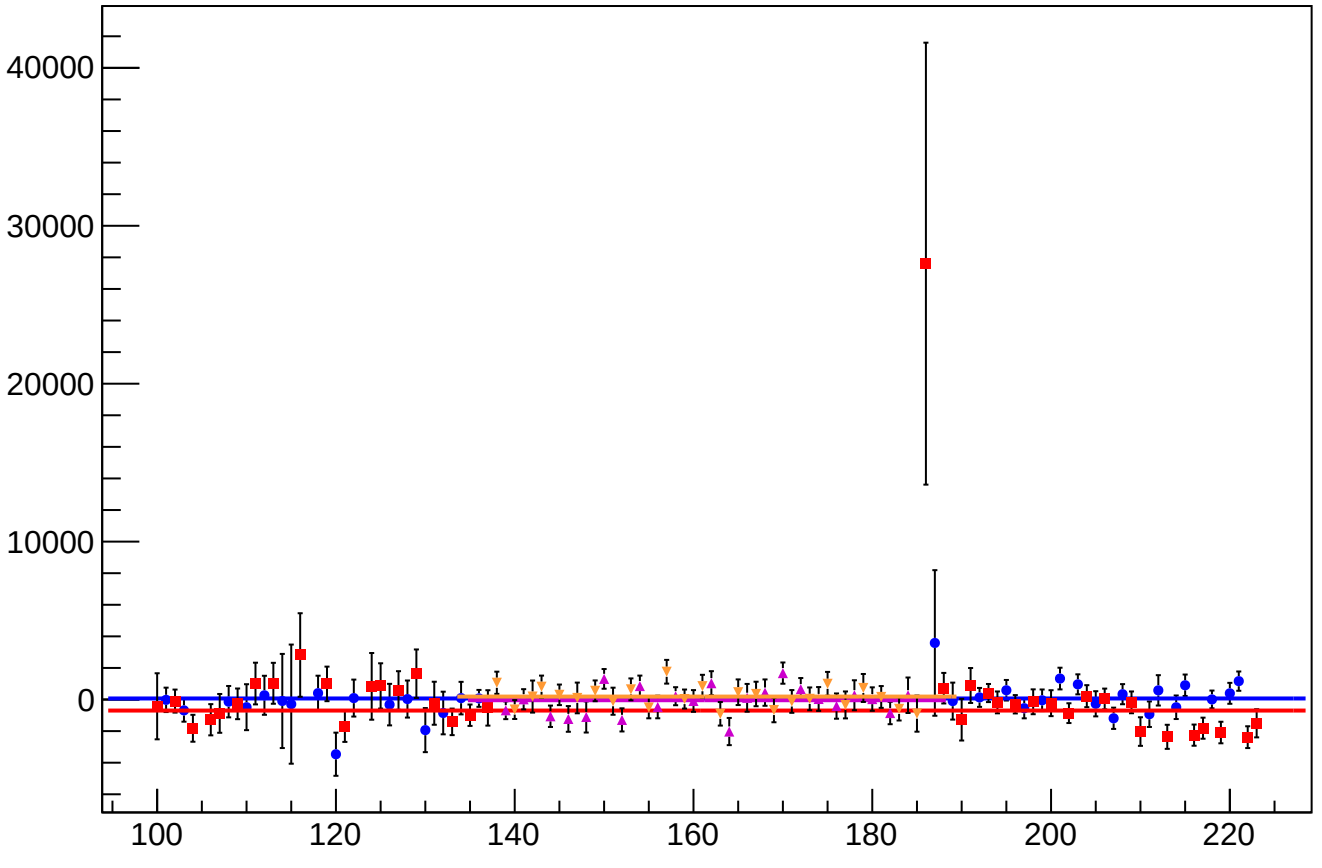
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.440+/-0.009 χ^2/NDF: 1048812.3/72

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 95.241+/-0.010 χ^2/NDF:2030300.3/63

All: 95.430+/-0.007 χ^2/NDF: 3417959.0/120



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

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

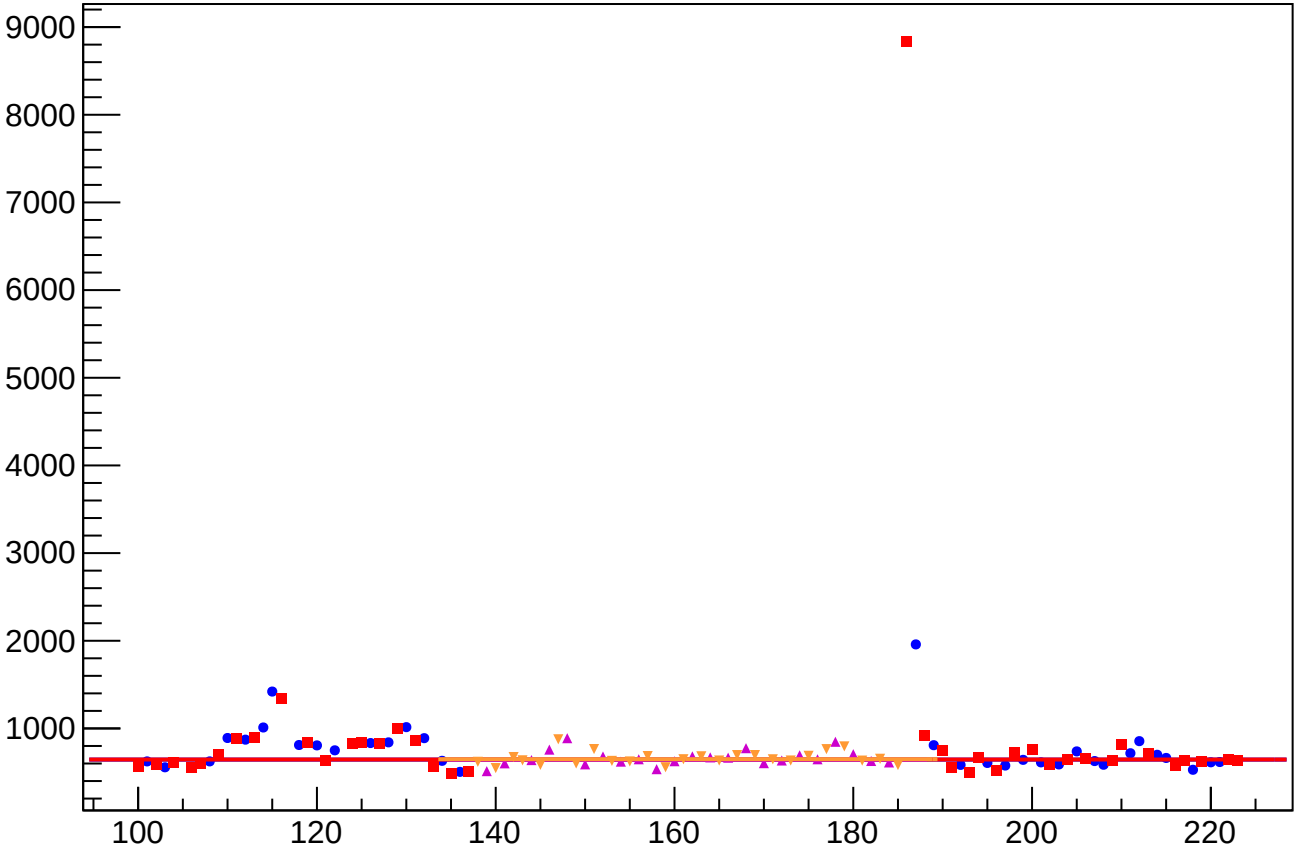
Right: -318.832+/-98.702 χ^2/NDF: 106.0/72

In: 16.377+/-103.069 χ^2/NDF:63.5/56

Out: -286.026+/-101.579 χ^2/NDF:99.5/63

All: -137.027+/-72.348 χ^2/NDF: 167.3/120

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



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

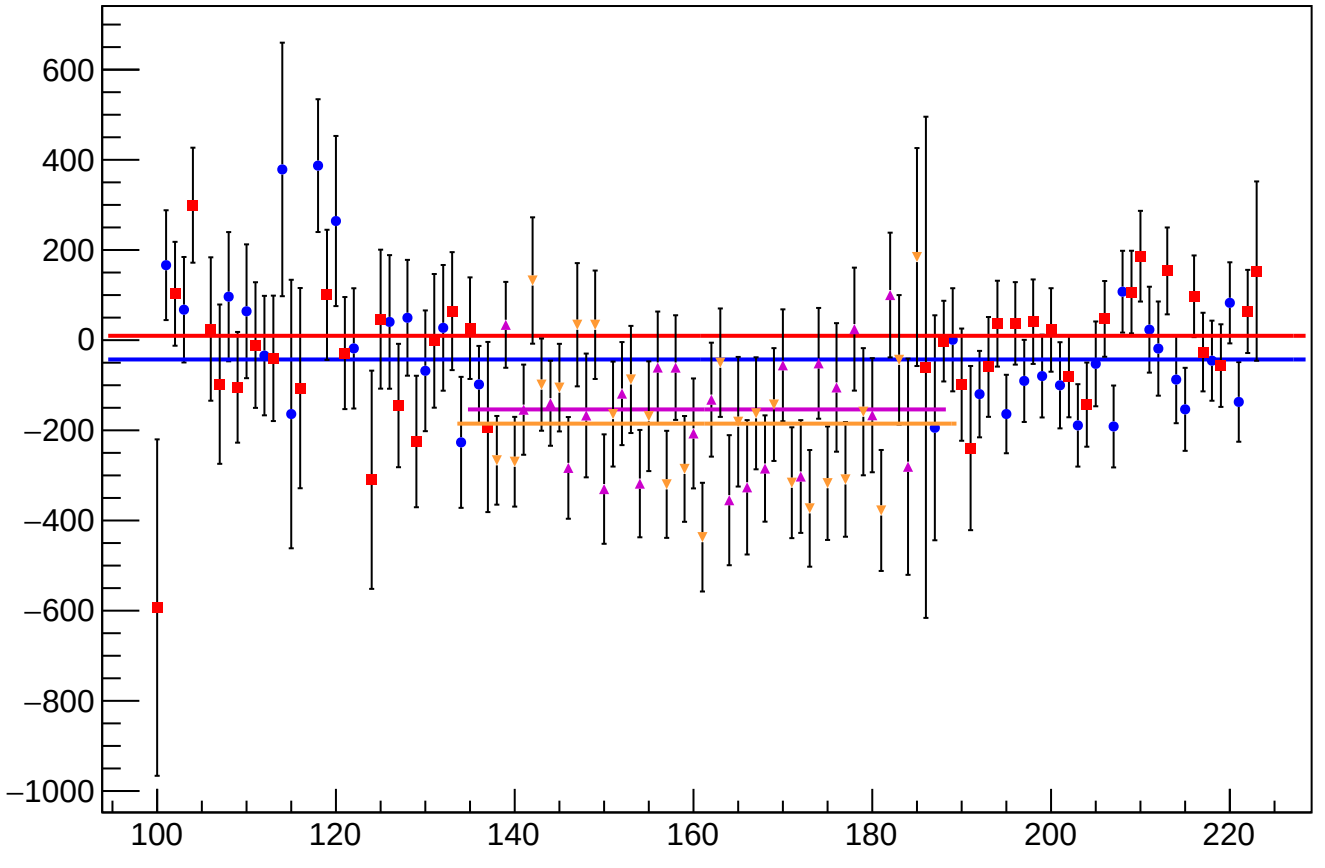
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 644.905+/-0.070 χ^2/NDF: 3421228.9/72

In: 644.246+/-0.073 χ^2/NDF:1897474.7/56

Out: 647.169+/-0.072 χ^2/NDF:2501880.4/63

All: 645.729+/-0.051 χ^2/NDF: 4400171.5/120



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

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

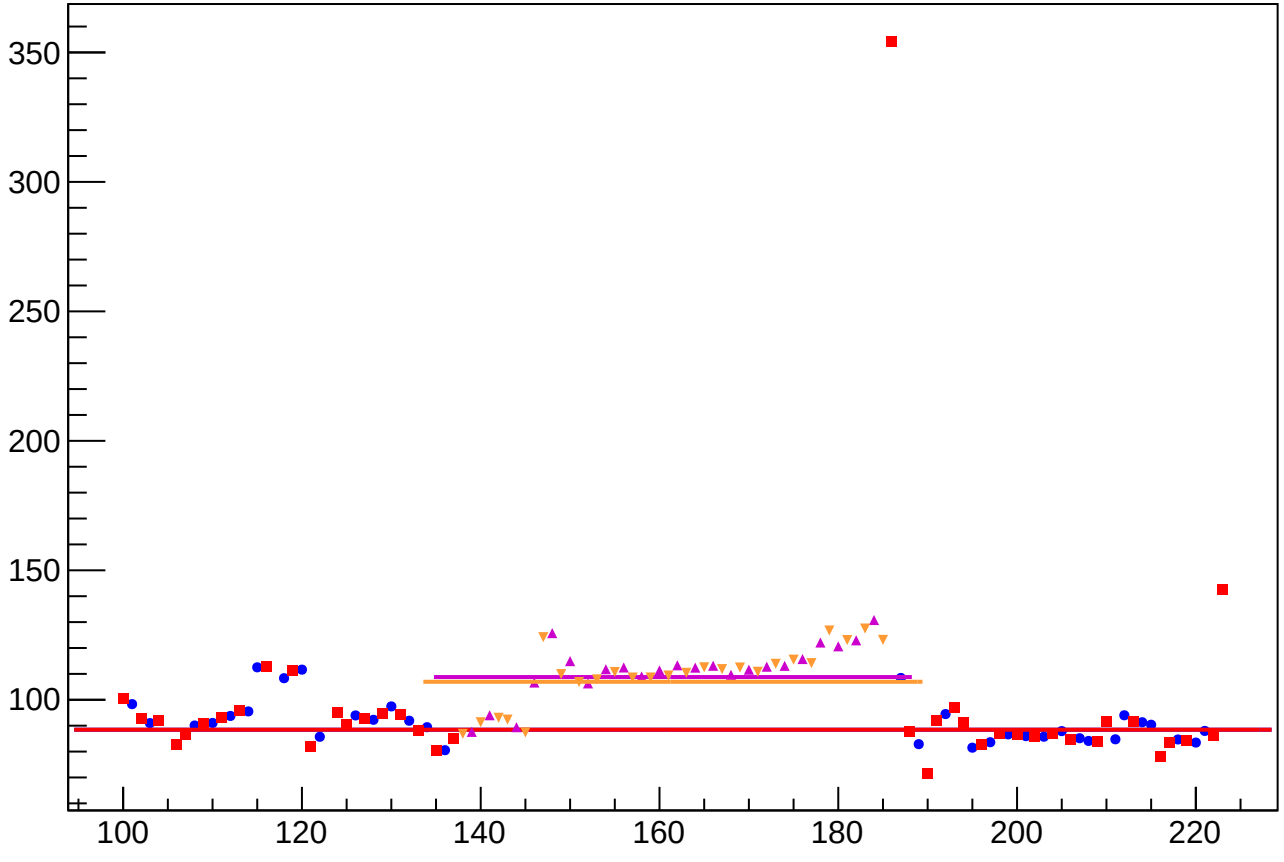
Right: -16.274+/-13.270 χ^2/NDF: 76.9/72

In: -81.975+/-15.180 χ^2/NDF:74.9/56

Out: -62.025+/-14.834 χ^2/NDF:106.9/63

All: -71.770+/-10.609 χ^2/NDF: 182.7/120

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

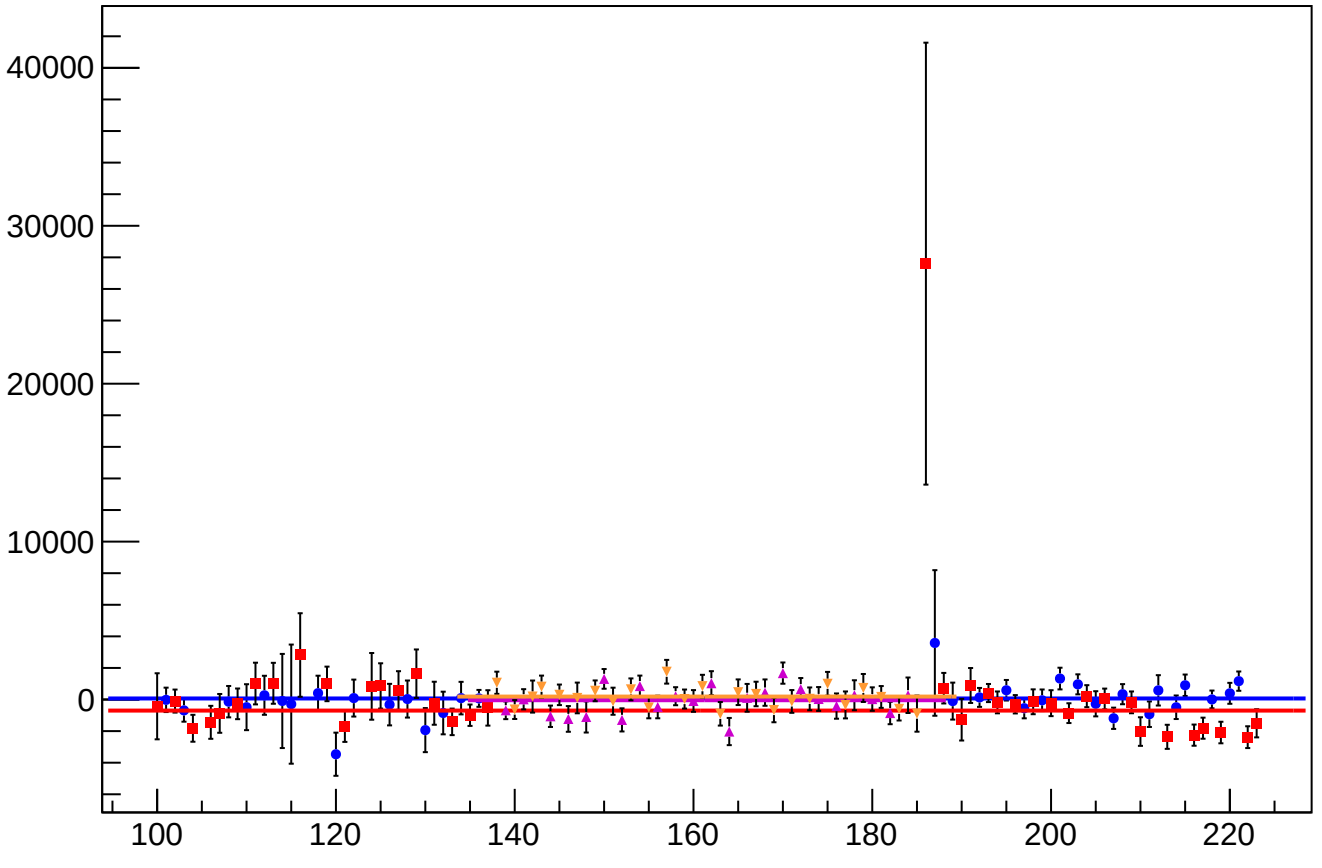
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.442+/-0.009 χ^2/NDF: 1048913.6/72

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 95.254+/-0.010 χ^2/NDF:2029371.9/63

All: 95.437+/-0.008 χ^2/NDF: 3416984.6/120



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

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

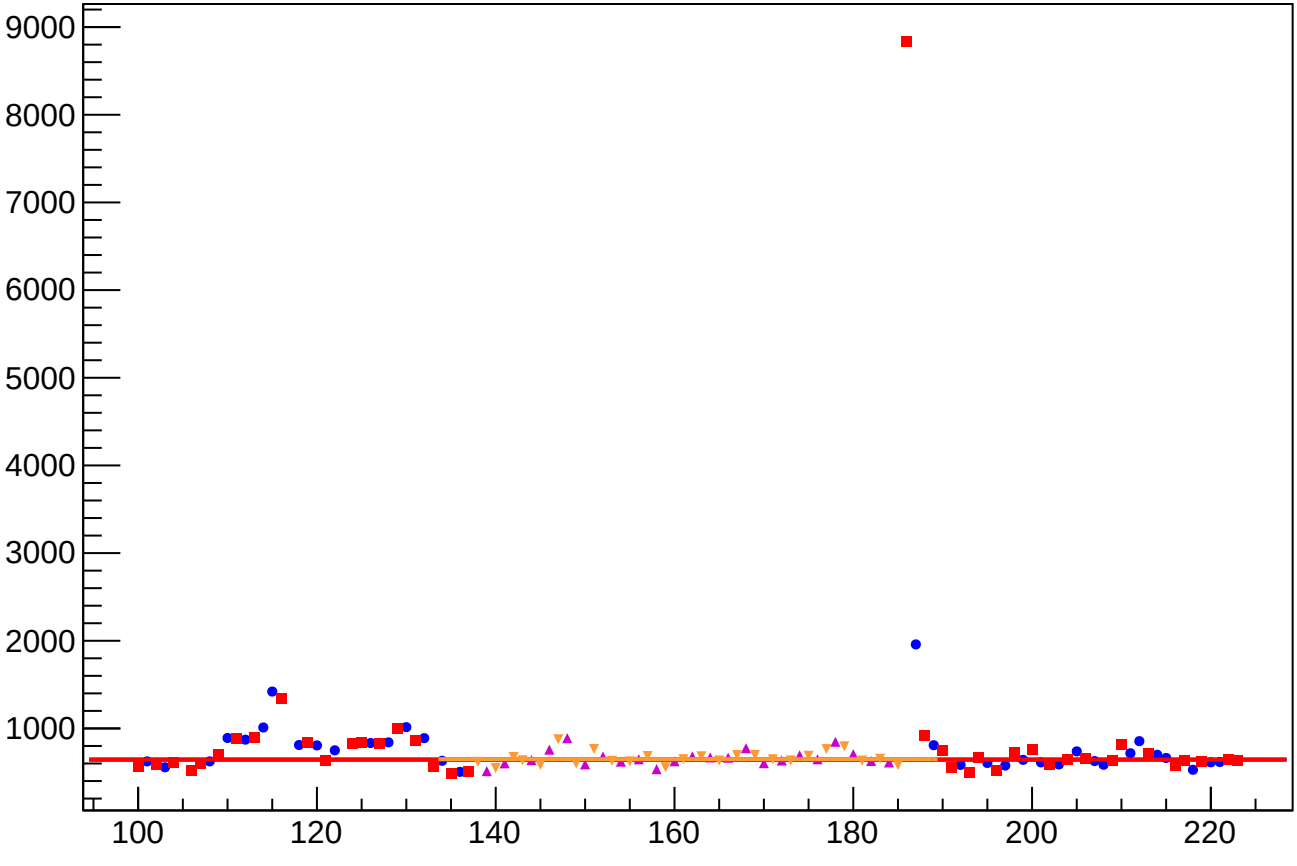
Right: -319.280+/-98.754 χ^2/NDF: 106.3/72

In: 16.374+/-103.069 χ^2/NDF:63.5/56

Out: -286.465+/-101.635 χ^2/NDF:99.7/63

All: -137.167+/-72.369 χ^2/NDF: 167.5/120

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



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

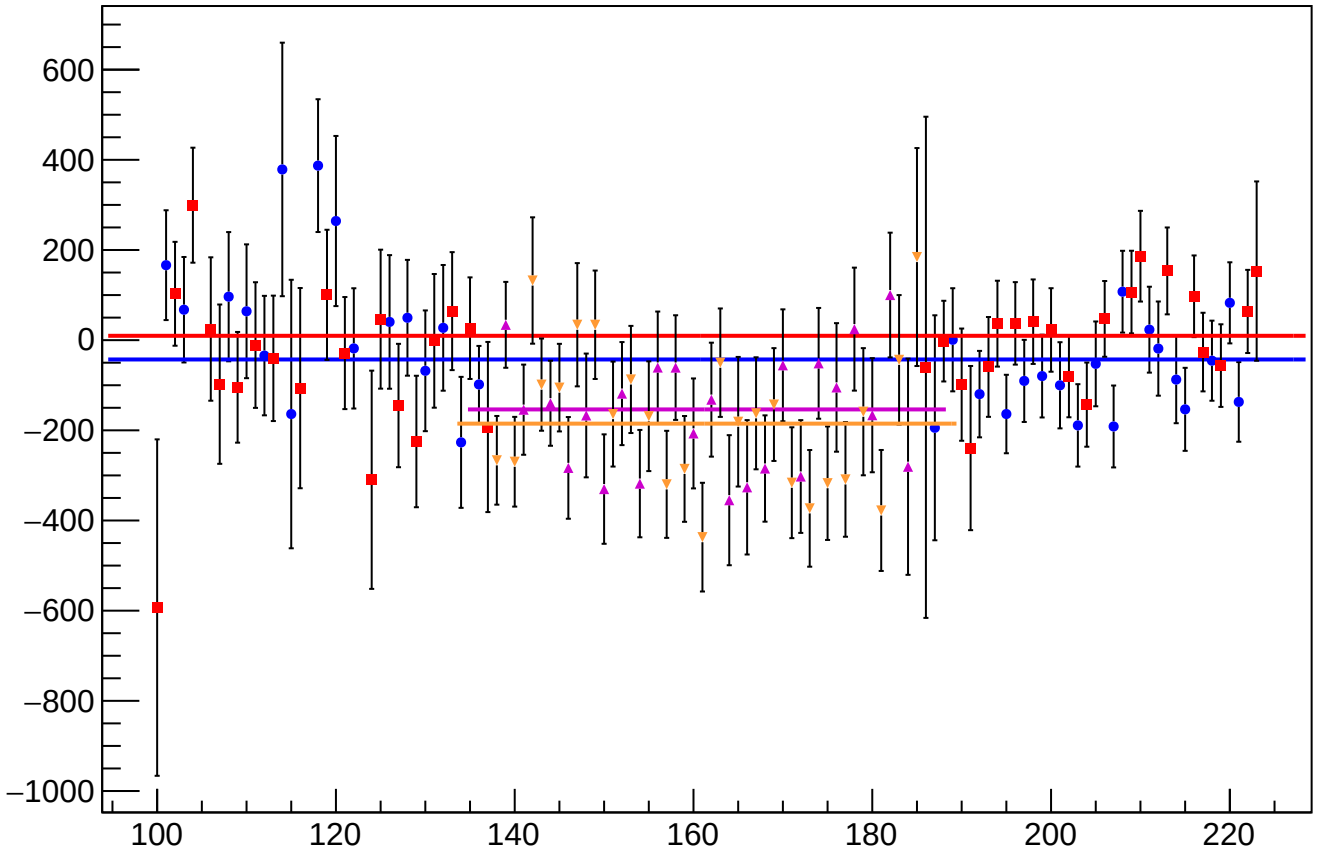
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 644.753+/-0.070 χ^2/NDF: 3430426.2/72

In: 644.246+/-0.073 χ^2/NDF:1897474.8/56

Out: 647.012+/-0.072 χ^2/NDF:2511218.7/63

All: 645.648+/-0.051 χ^2/NDF: 4409423.8/120



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

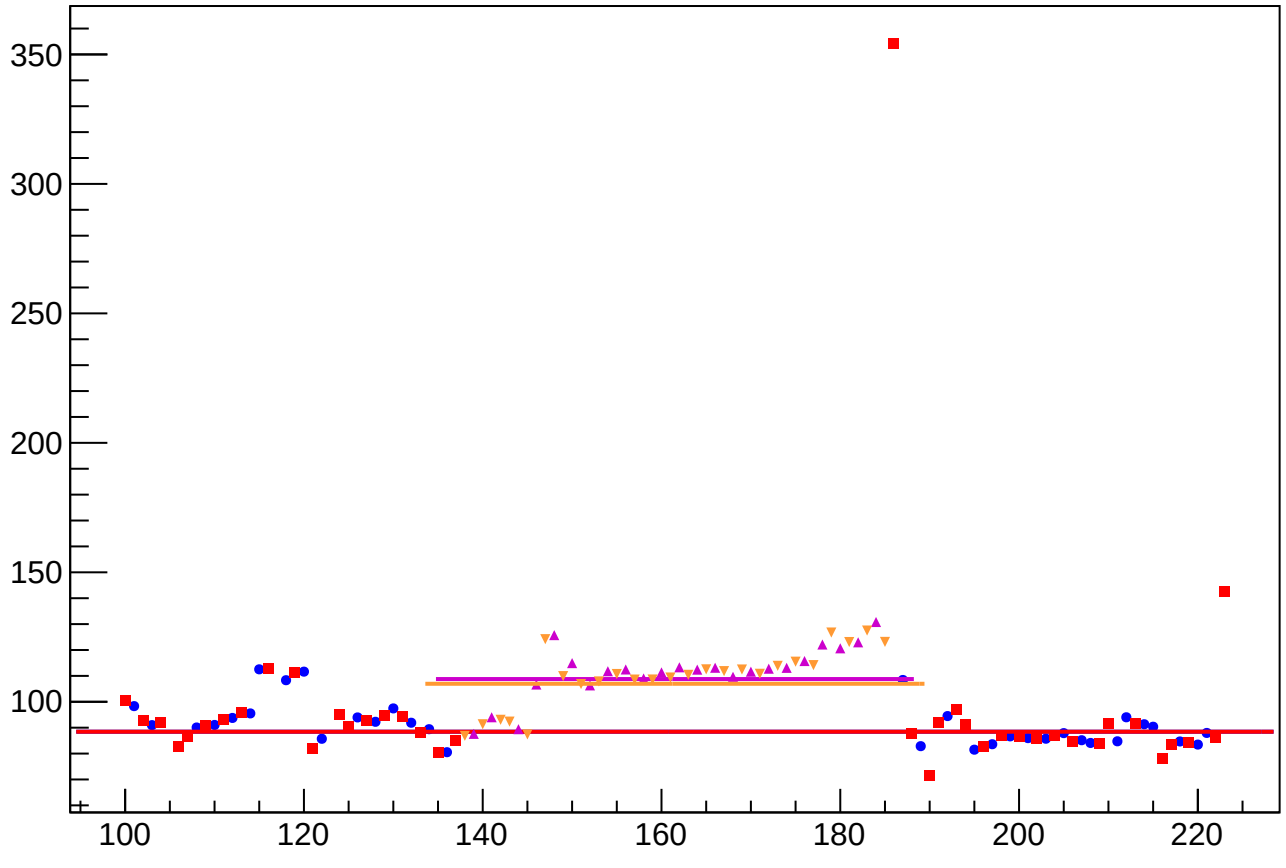
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -16.274+/-13.270 χ^2/NDF: 76.9/72

In: -81.975+/-15.180 χ^2/NDF:74.9/56

Out: -62.025+/-14.834 χ^2/NDF:106.9/63

All: -71.770+/-10.609 χ^2/NDF: 182.7/120



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

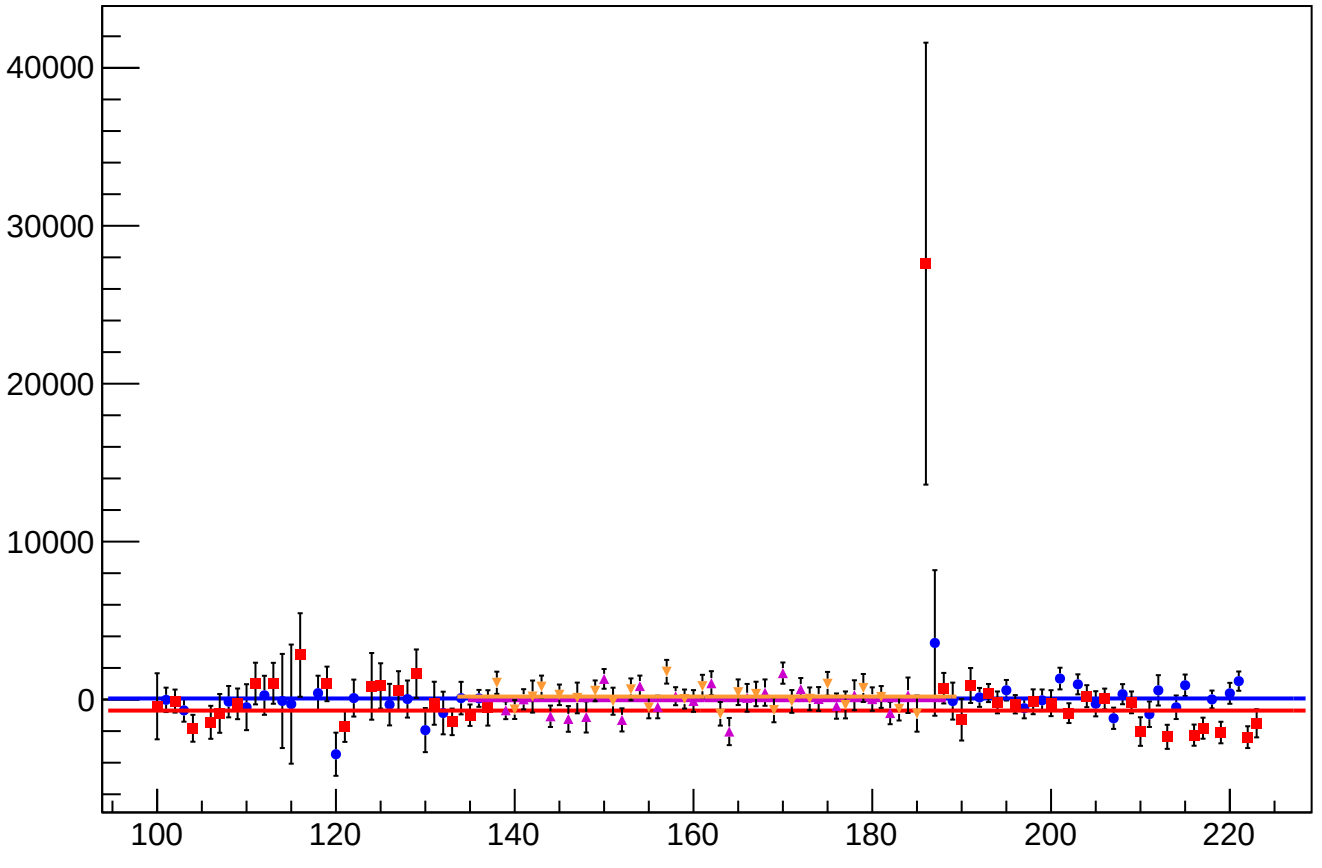
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.442+/-0.009 χ^2/NDF: 1048913.6/72

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 95.254+/-0.010 χ^2/NDF:2029371.9/63

All: 95.437+/-0.008 χ^2/NDF: 3416984.6/120



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

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

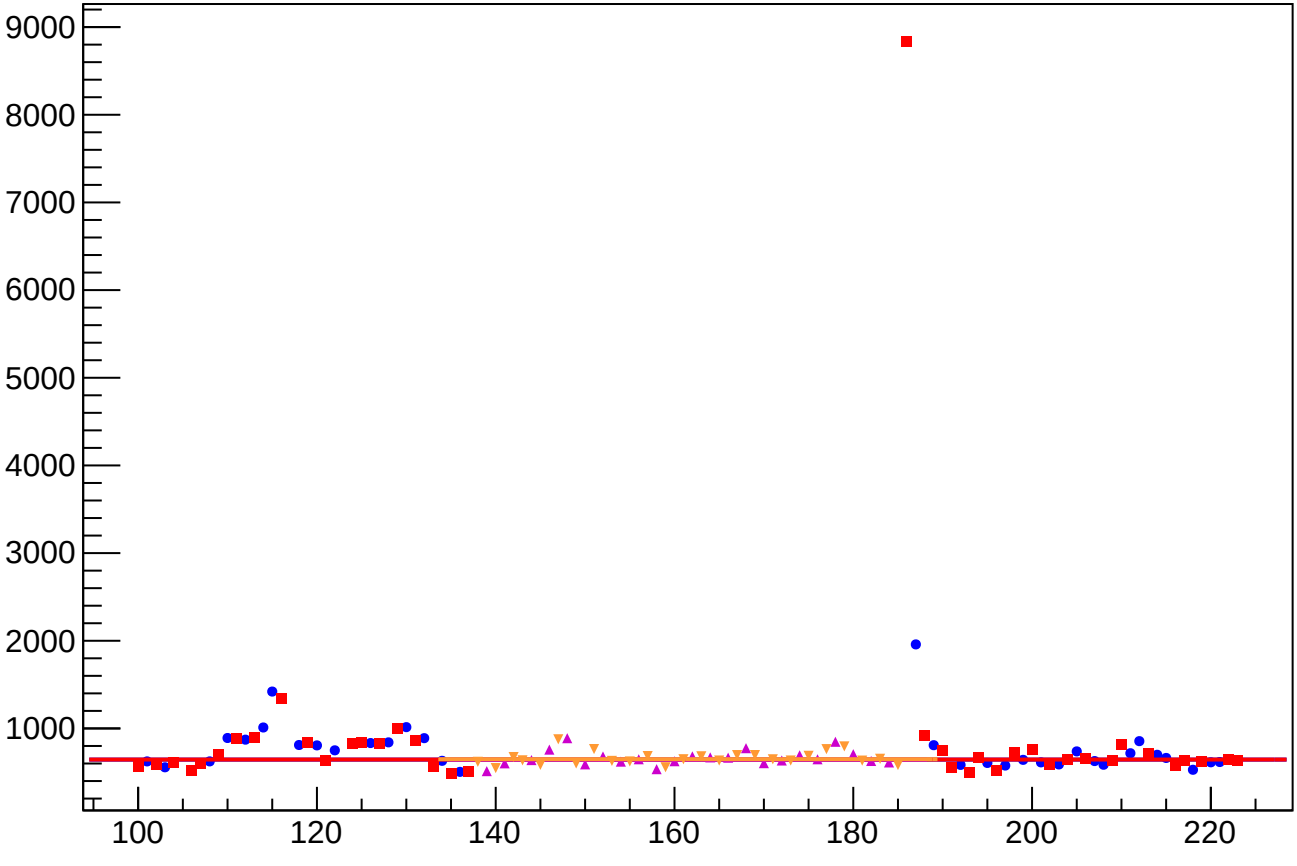
Right: -319.280+/-98.754 χ^2/NDF: 106.3/72

In: 16.374+/-103.069 χ^2/NDF:63.5/56

Out: -286.465+/-101.635 χ^2/NDF:99.7/63

All: -137.167+/-72.369 χ^2/NDF: 167.5/120

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

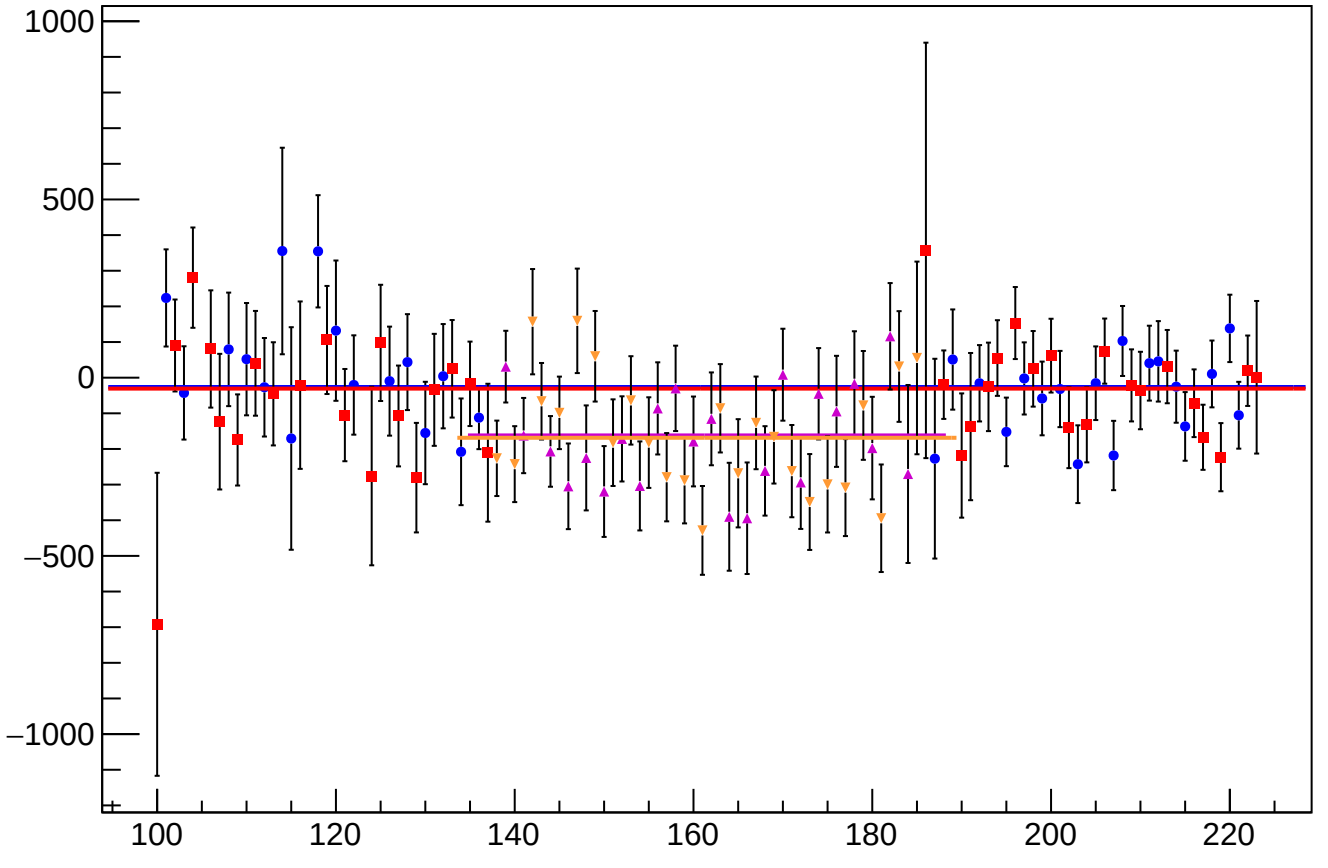
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 644.753+/-0.070 χ^2/NDF: 3430426.2/72

In: 644.246+/-0.073 χ^2/NDF:1897474.8/56

Out: 647.012+/-0.072 χ^2/NDF:2511218.7/63

All: 645.648+/-0.051 χ^2/NDF: 4409423.8/120



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

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

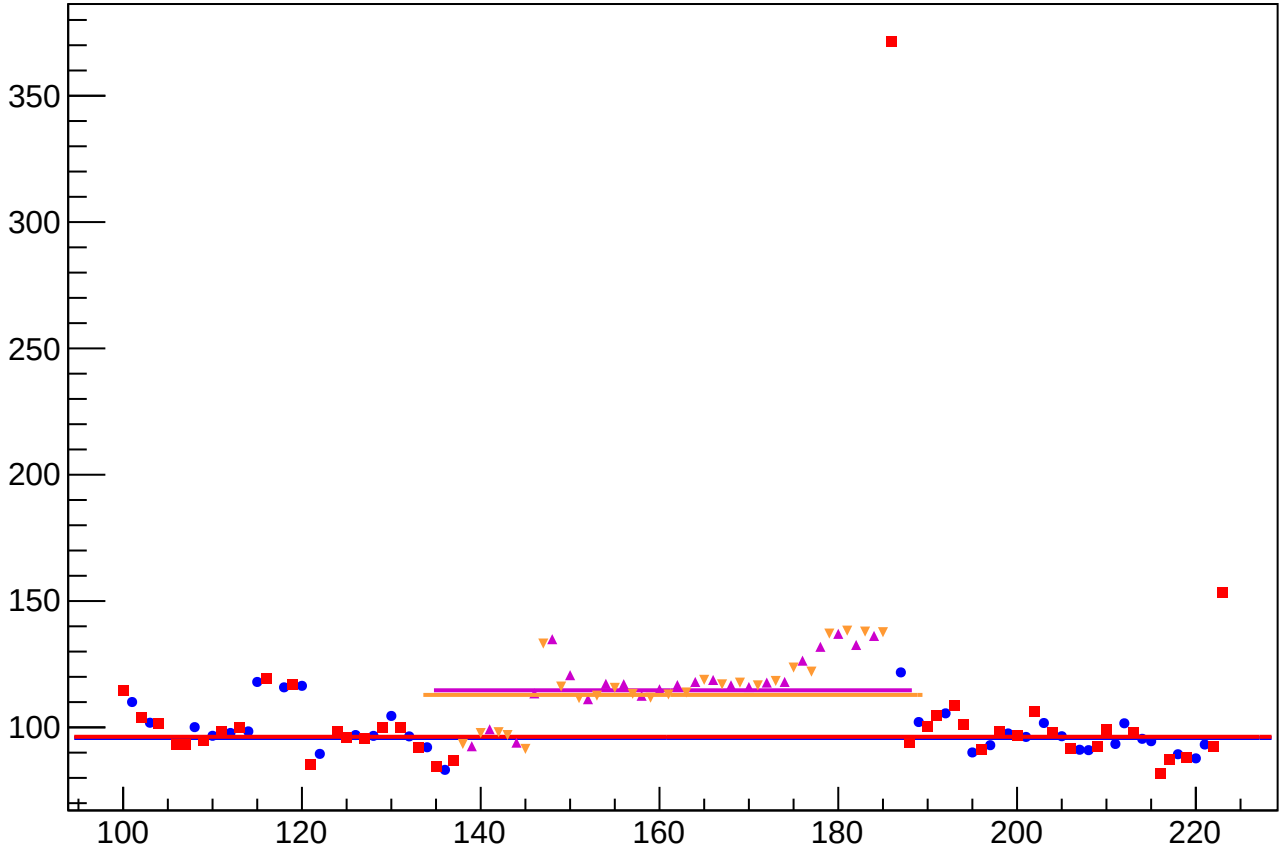
Right: -28.446+/-14.412 χ^2/NDF: 68.7/72

In: -75.877+/-16.295 χ^2/NDF:74.1/56

Out: -83.373+/-15.961 χ^2/NDF:84.3/63

All: -79.703+/-11.402 χ^2/NDF: 158.5/120

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

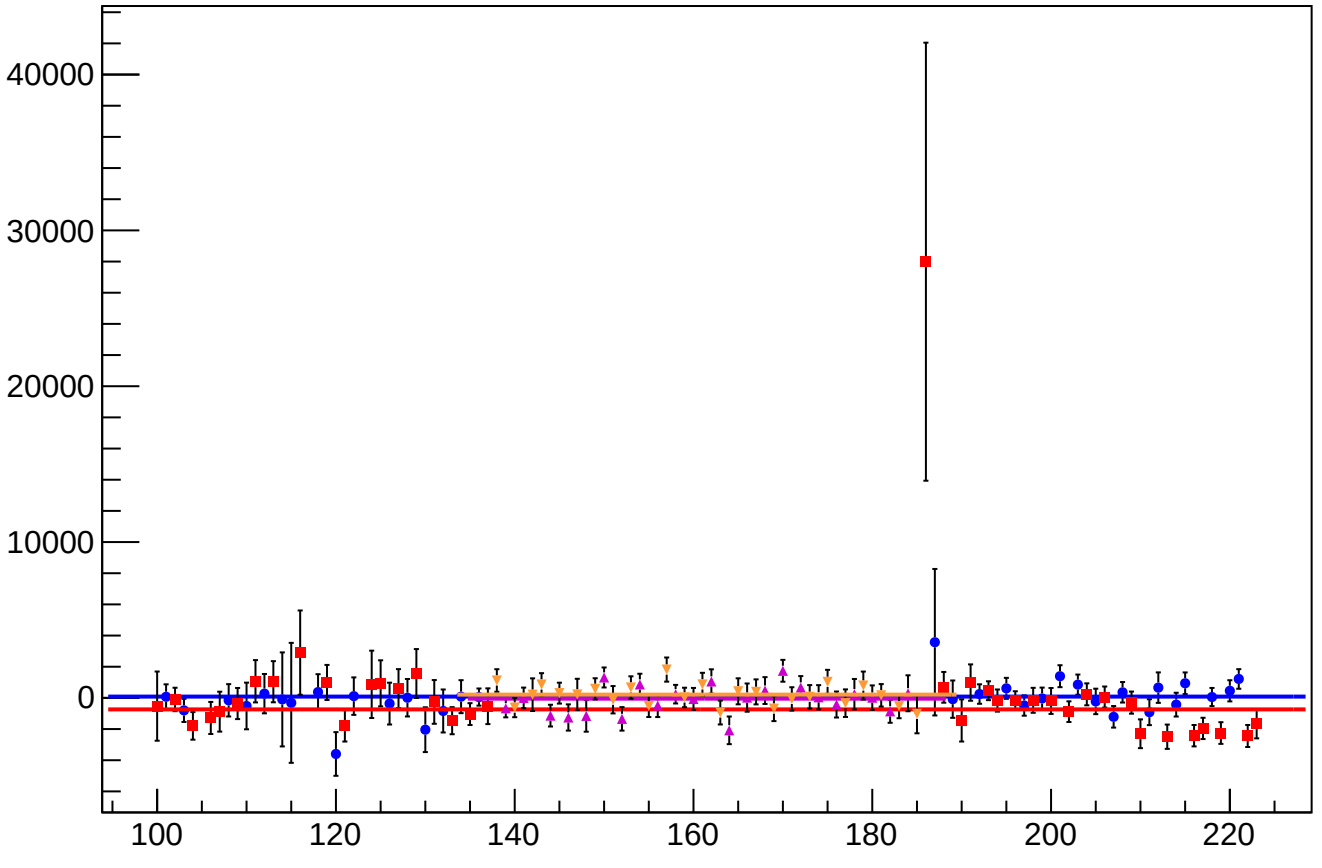
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 96.037+/-0.010 χ^2/NDF: 1091494.2/72

In: 102.699+/-0.012 χ^2/NDF:1273941.7/56

Out: 102.609+/-0.011 χ^2/NDF:1871273.4/63

All: 102.653+/-0.008 χ^2/NDF: 3145246.2/120



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

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

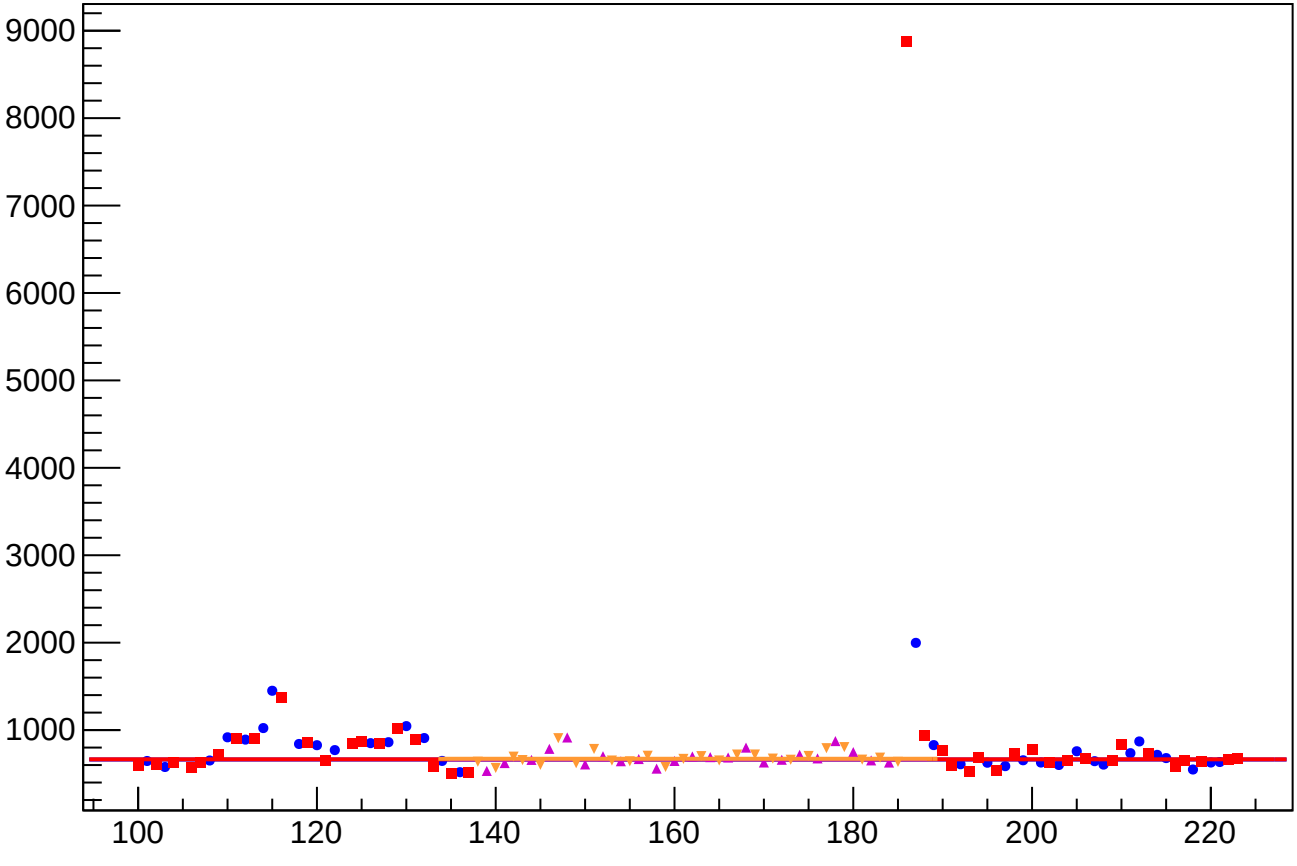
Right: -329.942+/-101.566 χ^2/NDF: 111.0/72

In: 22.534+/-106.323 χ^2/NDF:63.2/56

Out: -298.520+/-104.824 χ^2/NDF:104.3/63

All: -140.272+/-74.646 χ^2/NDF: 172.1/120

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



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

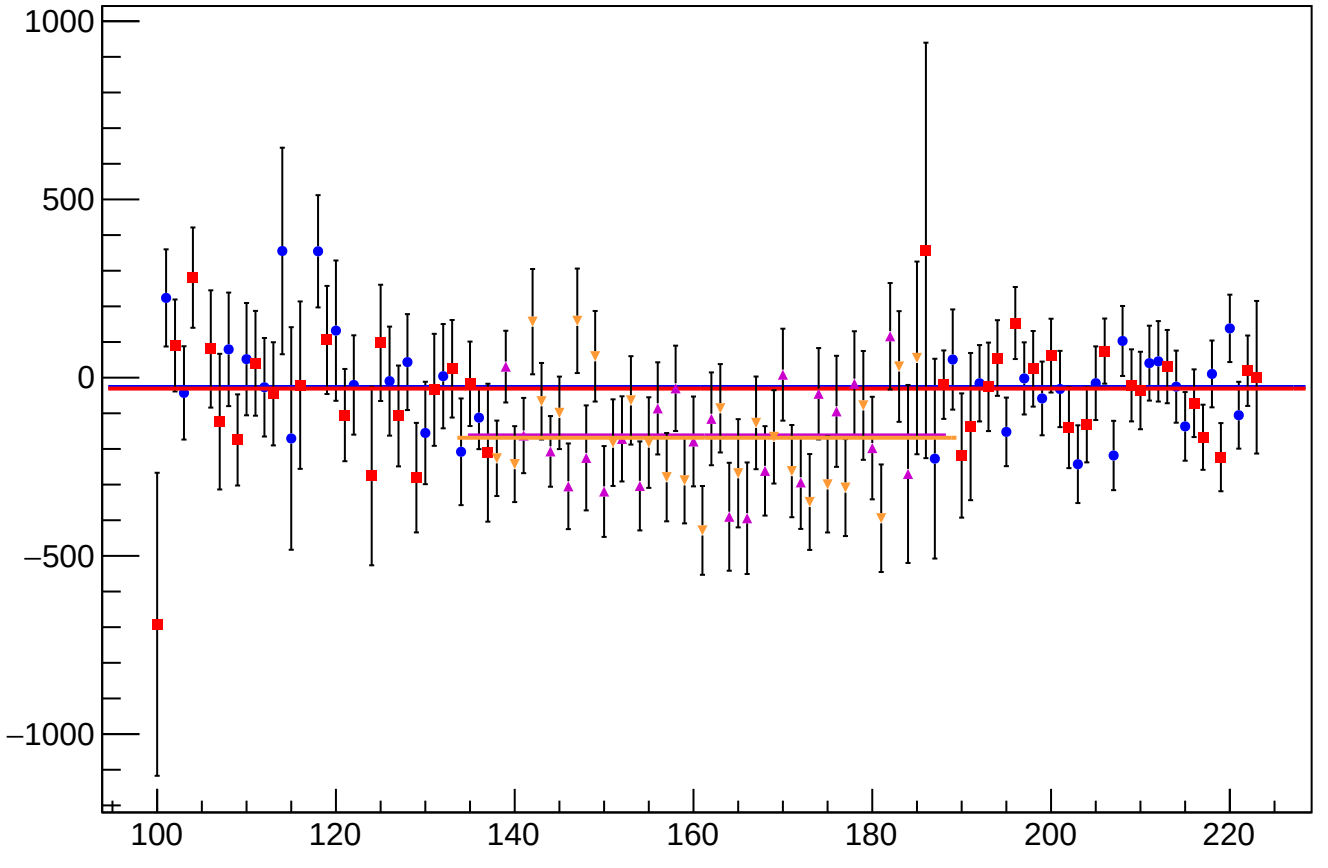
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 664.306+/-0.072 χ^2/NDF: 3310113.8/72

In: 664.986+/-0.075 χ^2/NDF:1855730.2/56

Out: 668.488+/-0.074 χ^2/NDF:2402726.7/63

All: 666.762+/-0.053 χ^2/NDF: 4259557.6/120



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

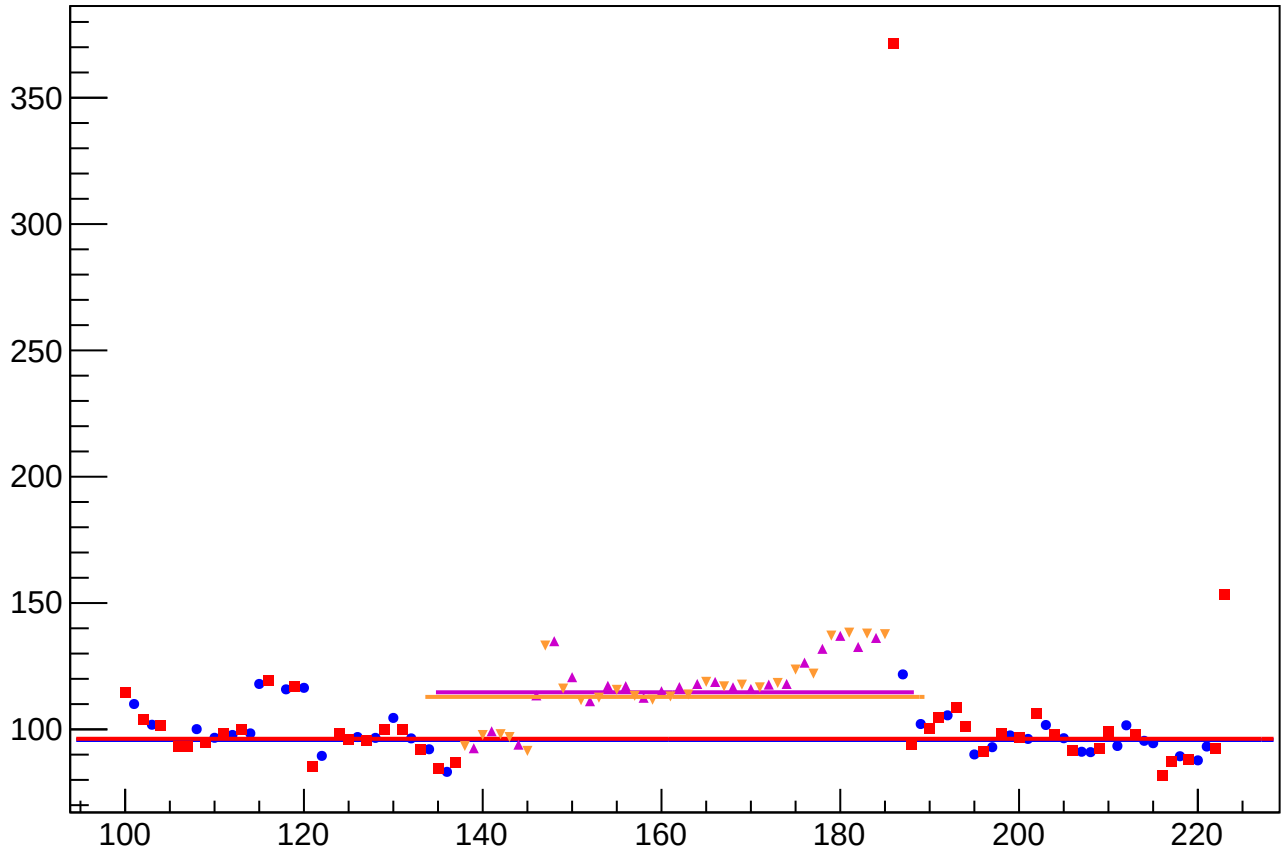
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -28.445+/-14.412 χ^2/NDF: 68.7/72

In: -75.877+/-16.295 χ^2/NDF:74.1/56

Out: -83.372+/-15.961 χ^2/NDF:84.3/63

All: -79.702+/-11.402 χ^2/NDF: 158.5/120



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

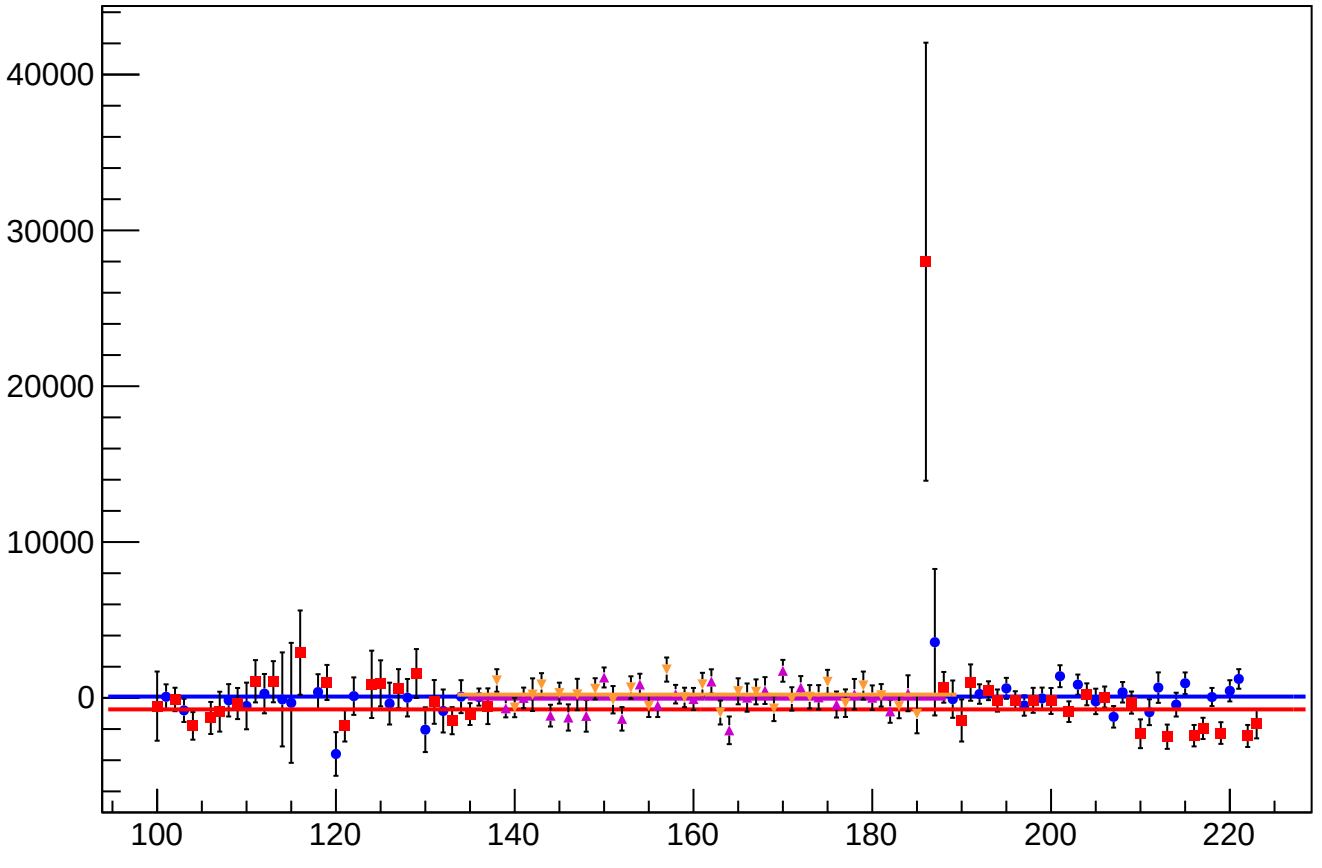
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 96.037+/-0.010 χ^2/NDF: 1091504.3/72

In: 102.699+/-0.012 χ^2/NDF:1273959.8/56

Out: 102.609+/-0.011 χ^2/NDF:1871285.3/63

All: 102.653+/-0.008 χ^2/NDF: 3145276.2/120



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

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

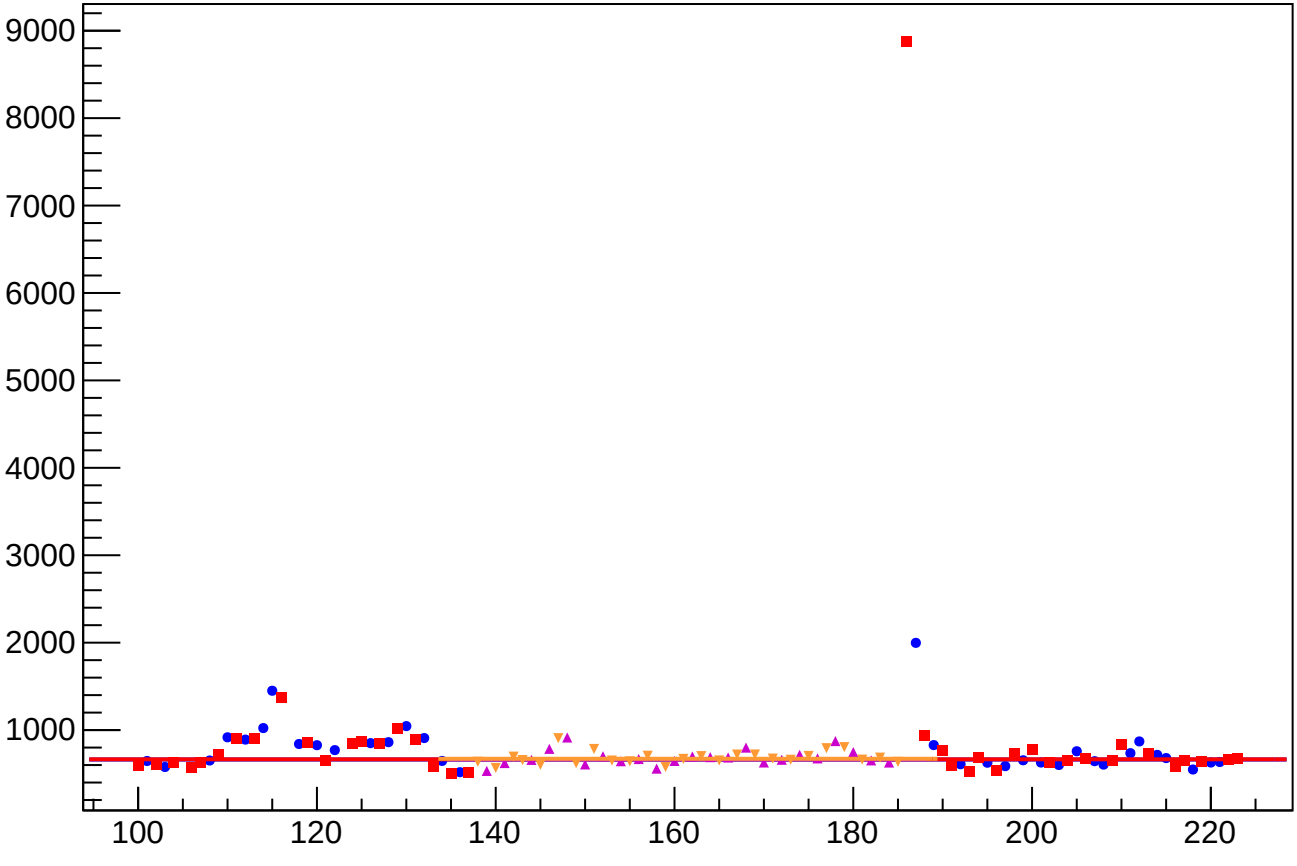
Right: -329.942+/-101.566 χ^2/NDF: 111.0/72

In: 22.534+/-106.323 χ^2/NDF:63.2/56

Out: -298.521+/-104.824 χ^2/NDF:104.3/63

All: -140.273+/-74.646 χ^2/NDF: 172.1/120

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

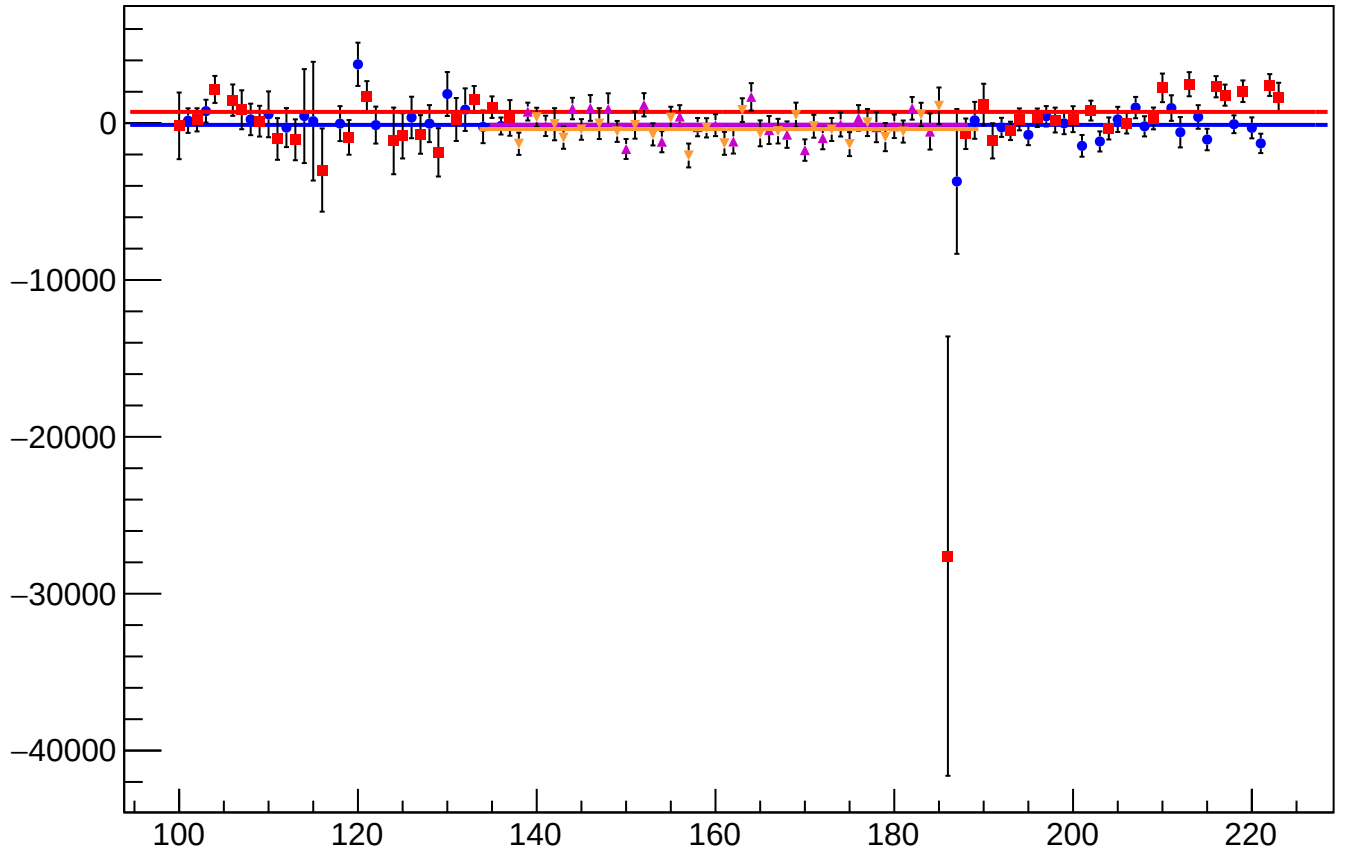
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 664.306+/-0.072 χ^2/NDF: 3310120.3/72

In: 664.986+/-0.075 χ^2/NDF:1855732.9/56

Out: 668.488+/-0.074 χ^2/NDF:2402734.3/63

All: 666.762+/-0.053 χ^2/NDF: 4259567.8/120



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

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

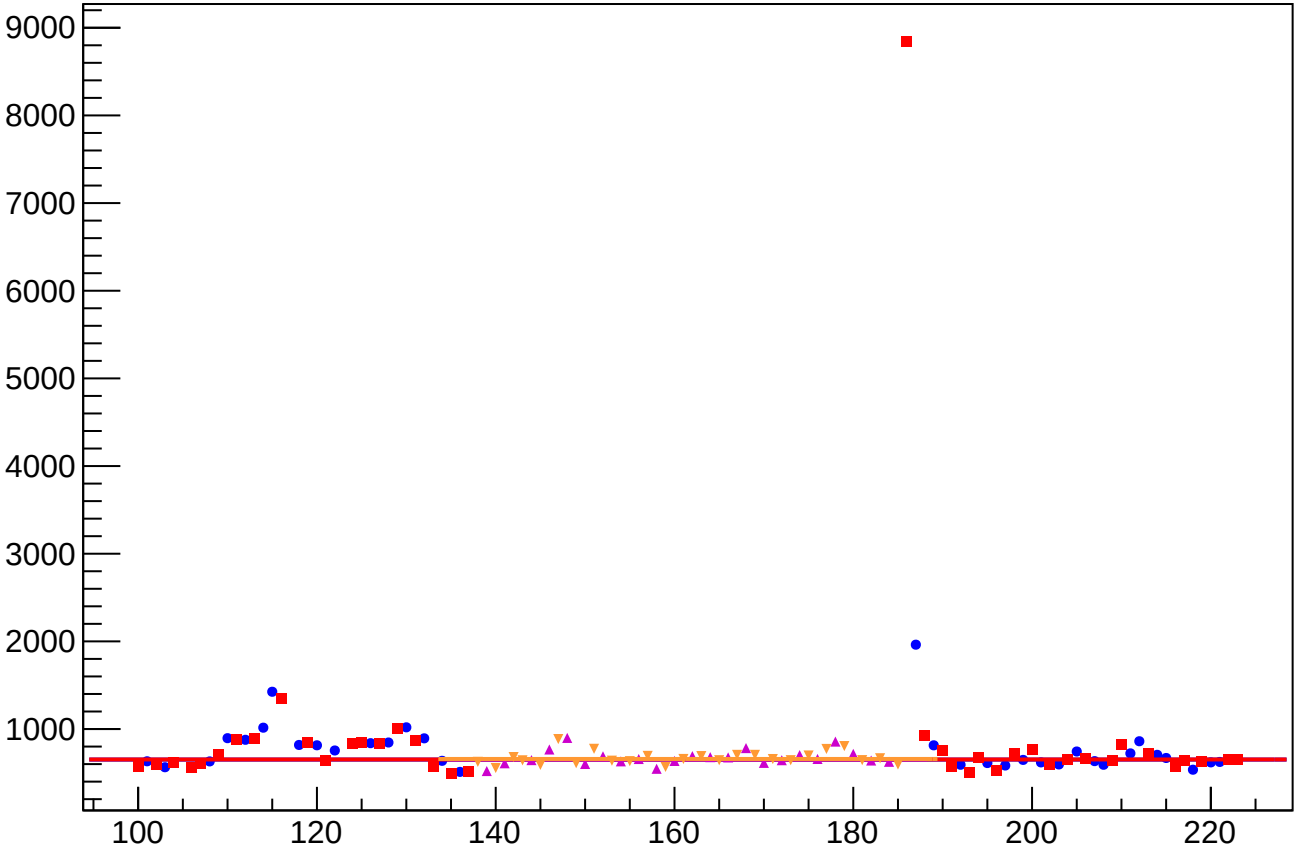
Right: 304.943+/-99.732 χ^2/NDF: 115.4/72

In: -108.234+/-104.349 χ^2/NDF:67.7/56

Out: 208.378+/-102.832 χ^2/NDF:115.5/63

All: 52.390+/-73.244 χ^2/NDF: 187.9/120

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

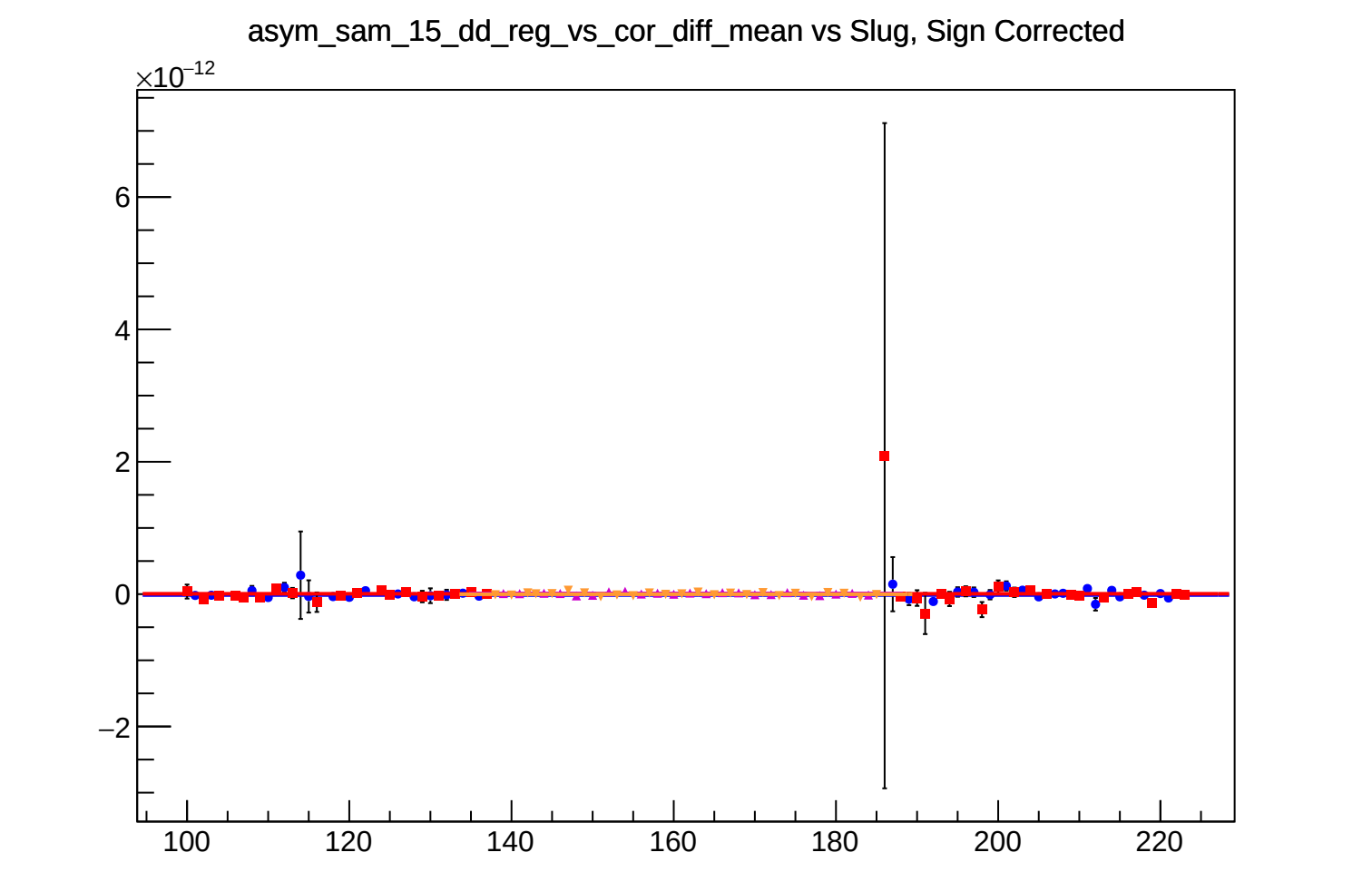
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 652.051+/-0.071 χ^2/NDF: 3349004.2/72

In: 652.553+/-0.074 χ^2/NDF:1849697.6/56

Out: 655.479+/-0.073 χ^2/NDF:2452951.0/63

All: 654.037+/-0.052 χ^2/NDF: 4303446.4/120



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

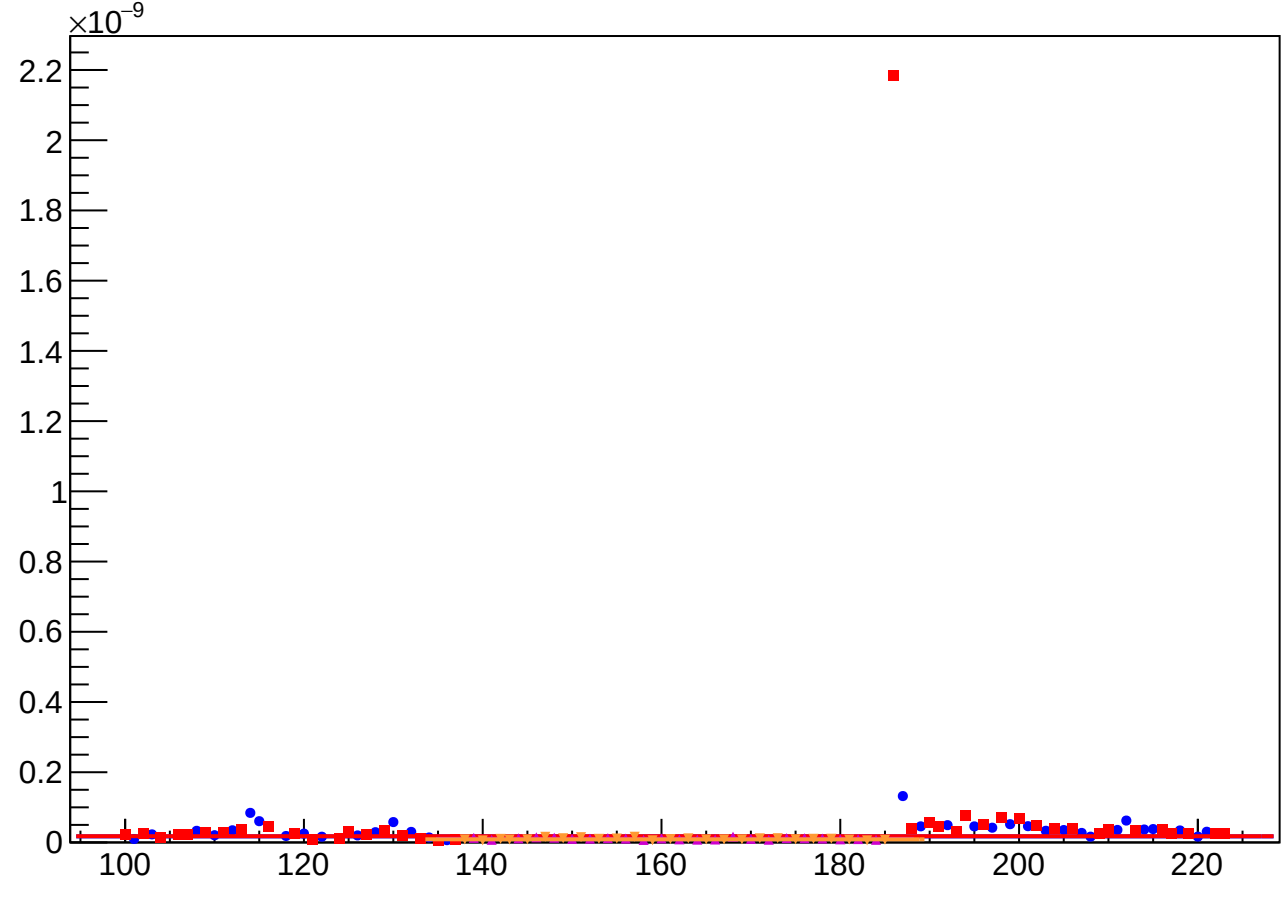
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 72.9/72

In: 0.000+/-0.000 χ^2/NDF:54.0/56

Out: -0.000+/-0.000 χ^2/NDF:71.1/63

All: 0.000+/-0.000 χ^2/NDF: 125.5/120



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

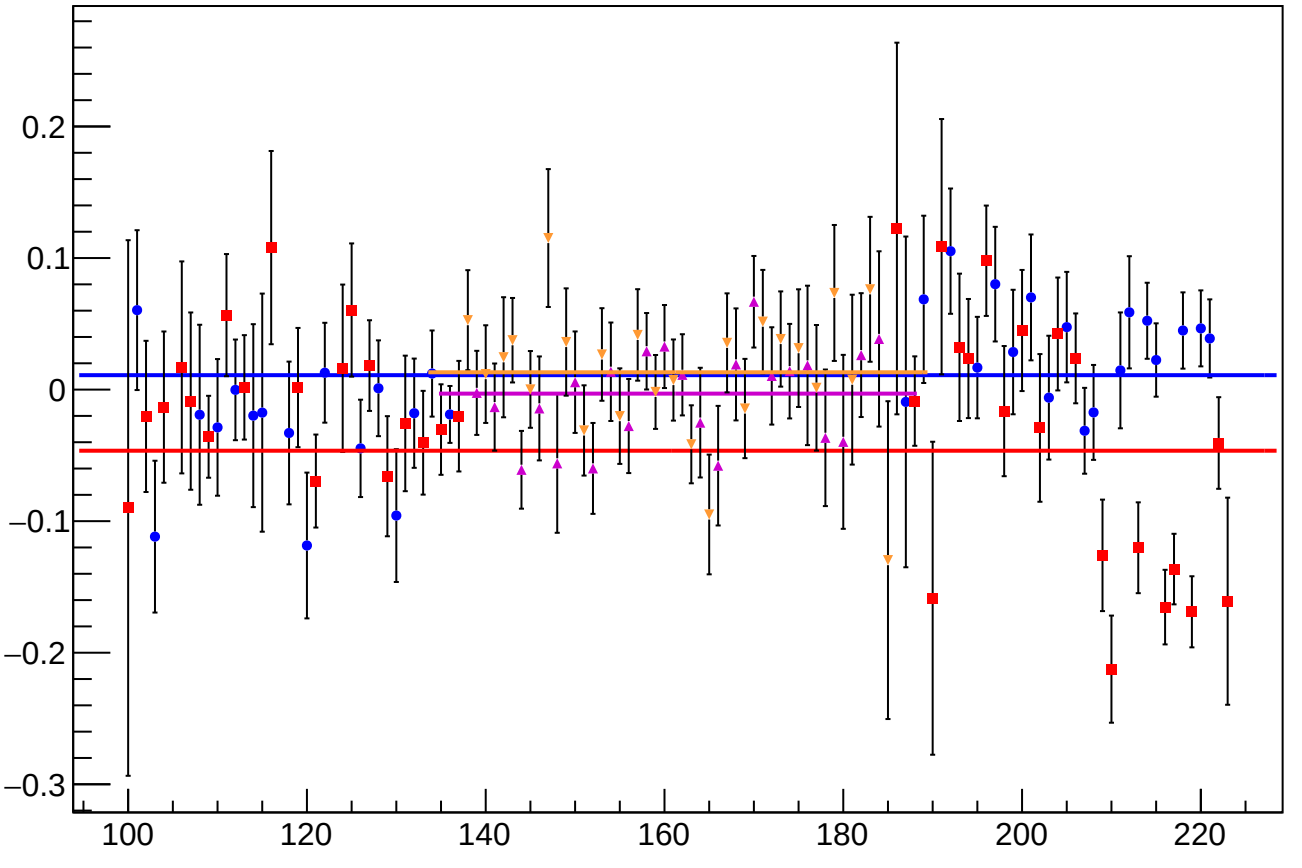
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15826169.7/72

In: 0.000+/-0.000 χ^2/NDF:9900359.7/56

Out: 0.000+/-0.000 χ^2/NDF:12042095.2/63

All: 0.000+/-0.000 χ^2/NDF: 22095748.4/120



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

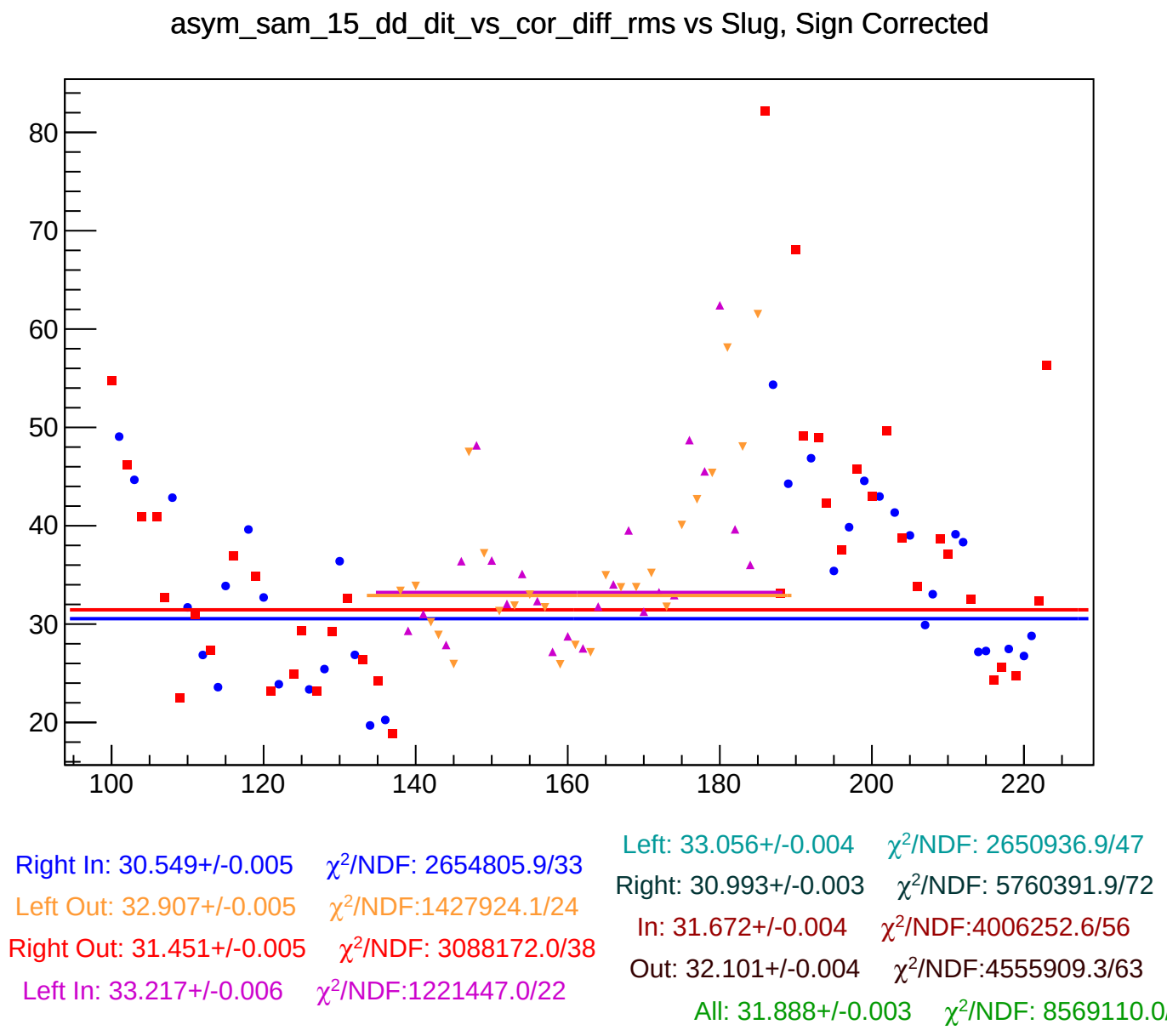
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

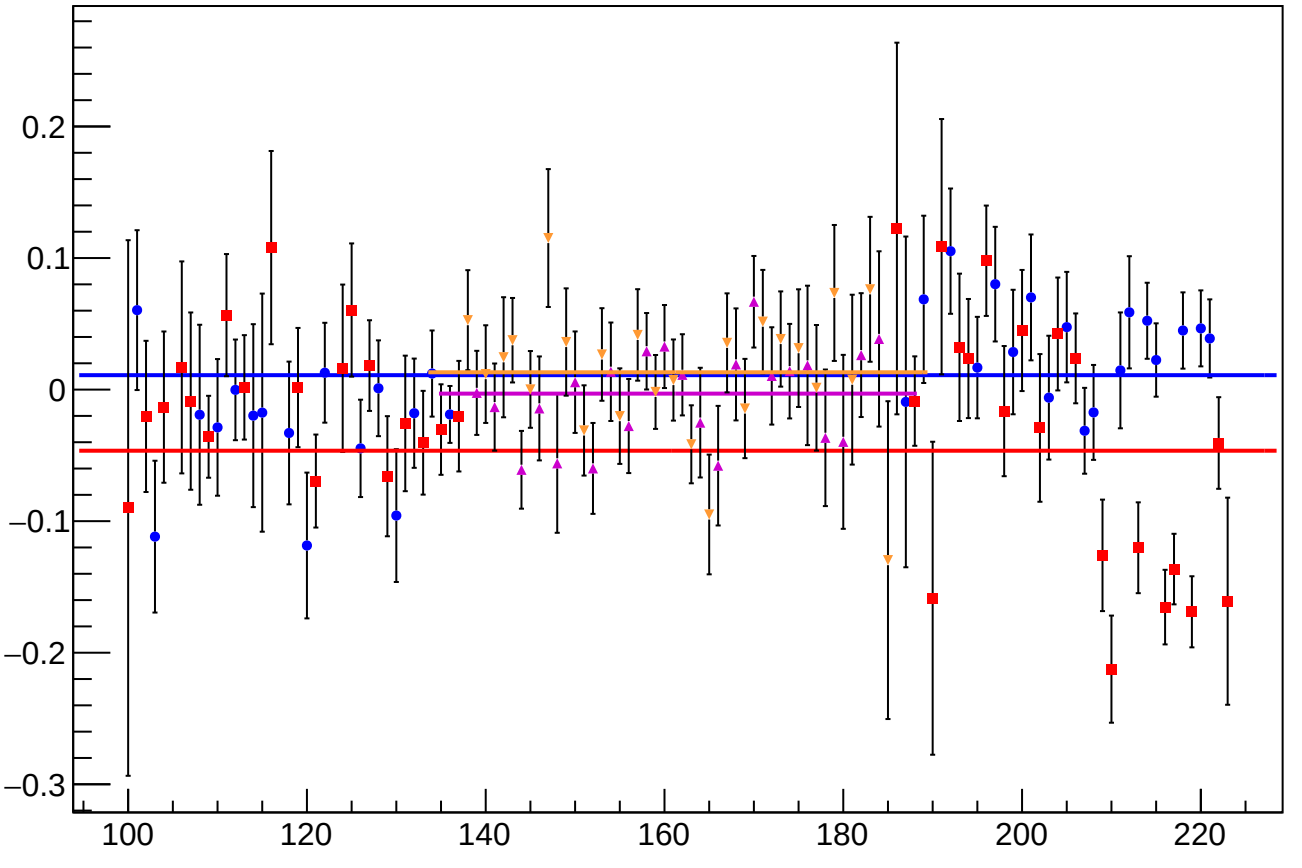
Right: -0.017+/-0.005 χ^2/NDF: 211.7/72

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.020+/-0.005 χ^2/NDF:194.1/63

All: -0.007+/-0.004 χ^2/NDF: 267.9/120


asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
120
140
160
180
200
220
Right In: 30.549+/-0.005 χ²/NDF: 2654805.9/33
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 31.451+/-0.005 χ²/NDF: 3088172.0/38
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
Left: 33.056+/-0.004 χ²/NDF: 2650936.9/47
Right: 30.993+/-0.003 χ²/NDF: 5760391.9/72
In: 31.672+/-0.004 χ²/NDF:4006252.6/56
Out: 32.101+/-0.004 χ²/NDF:4555909.3/63
All: 31.888+/-0.003 χ²/NDF: 8569110.0/120



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

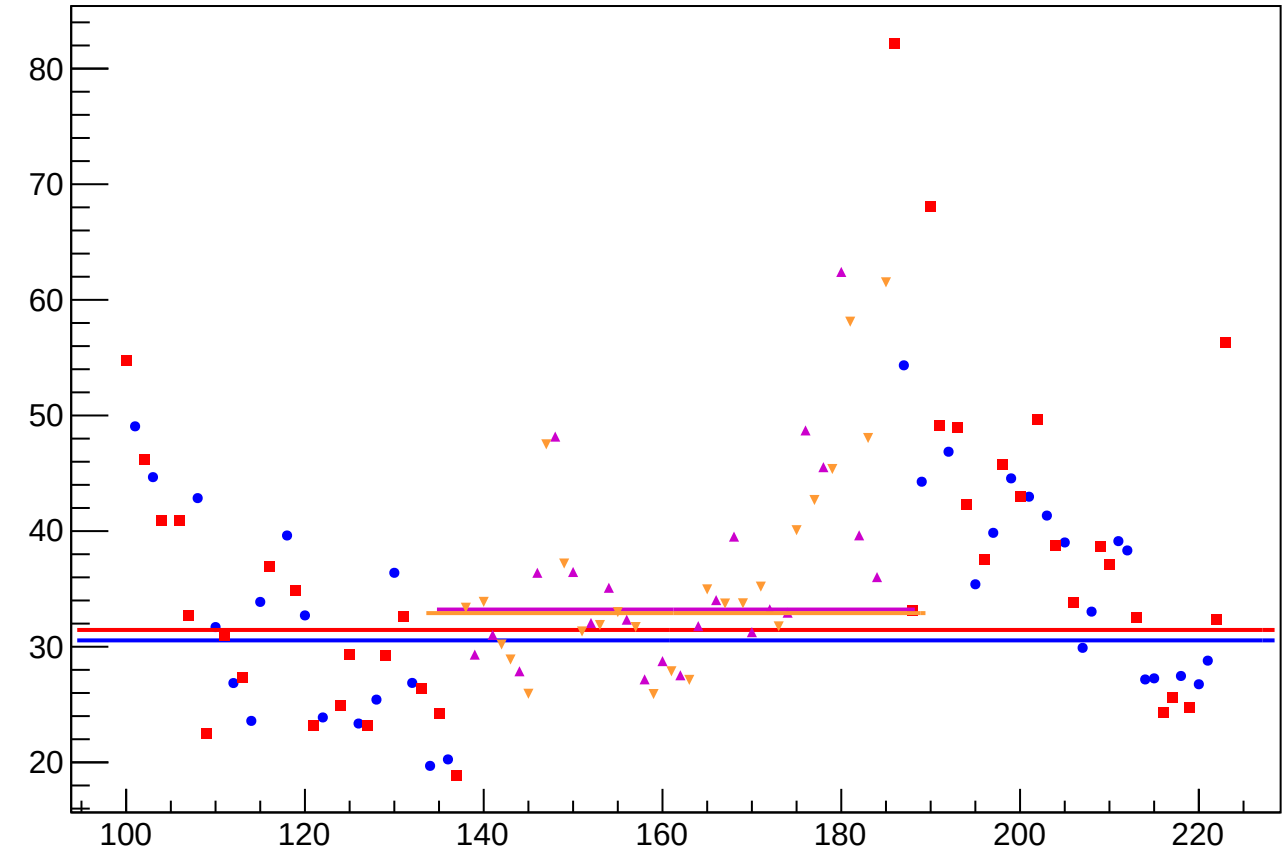
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.017+/-0.005 χ^2/NDF: 211.7/72

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.020+/-0.005 χ^2/NDF:194.1/63

All: -0.007+/-0.004 χ^2/NDF: 267.9/120



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

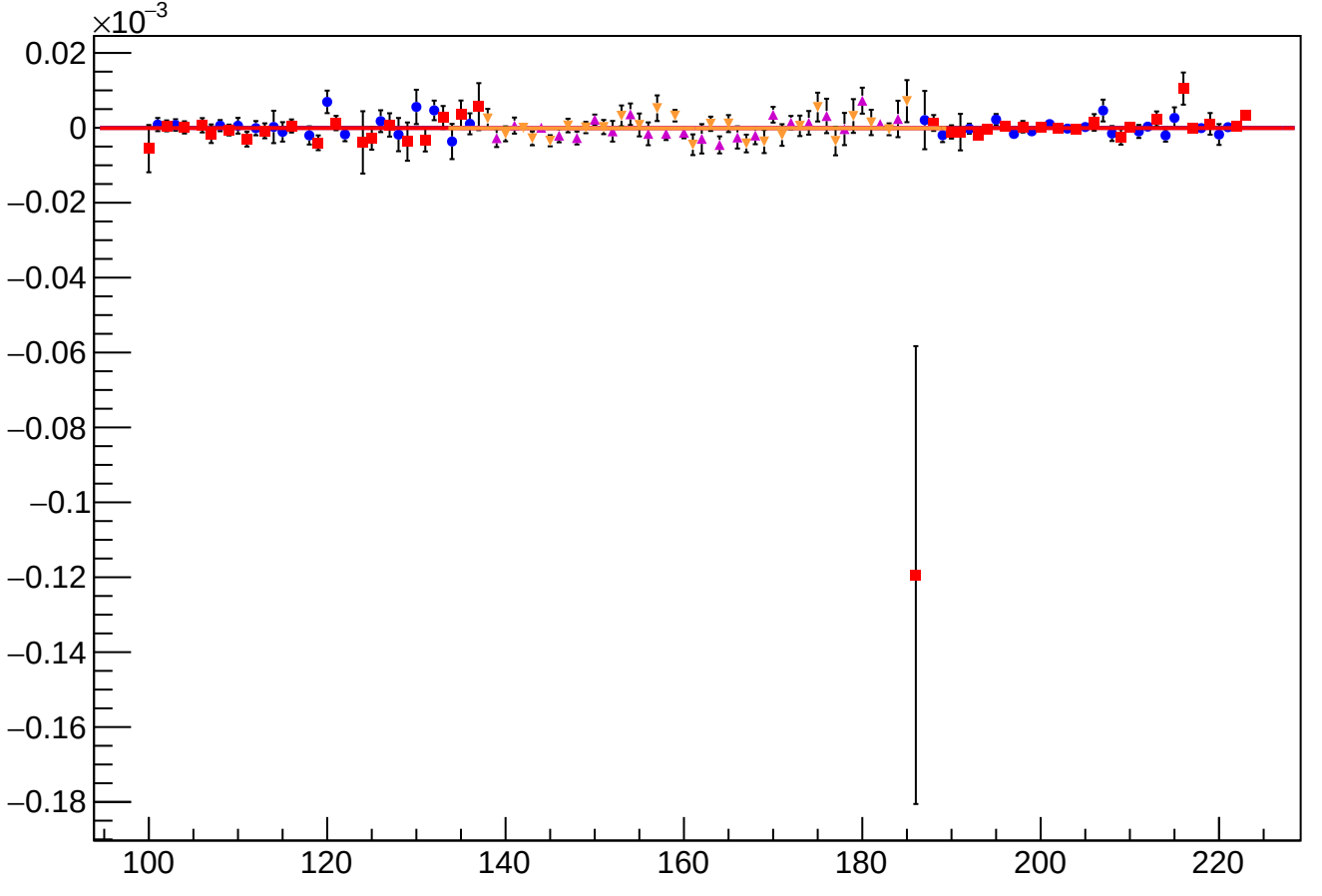
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.993+/-0.003 χ^2/NDF: 5760391.9/72

In: 31.672+/-0.004 χ^2/NDF:4006252.6/56

Out: 32.101+/-0.004 χ^2/NDF:4555909.3/63

All: 31.888+/-0.003 χ^2/NDF: 8569110.0/120



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

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

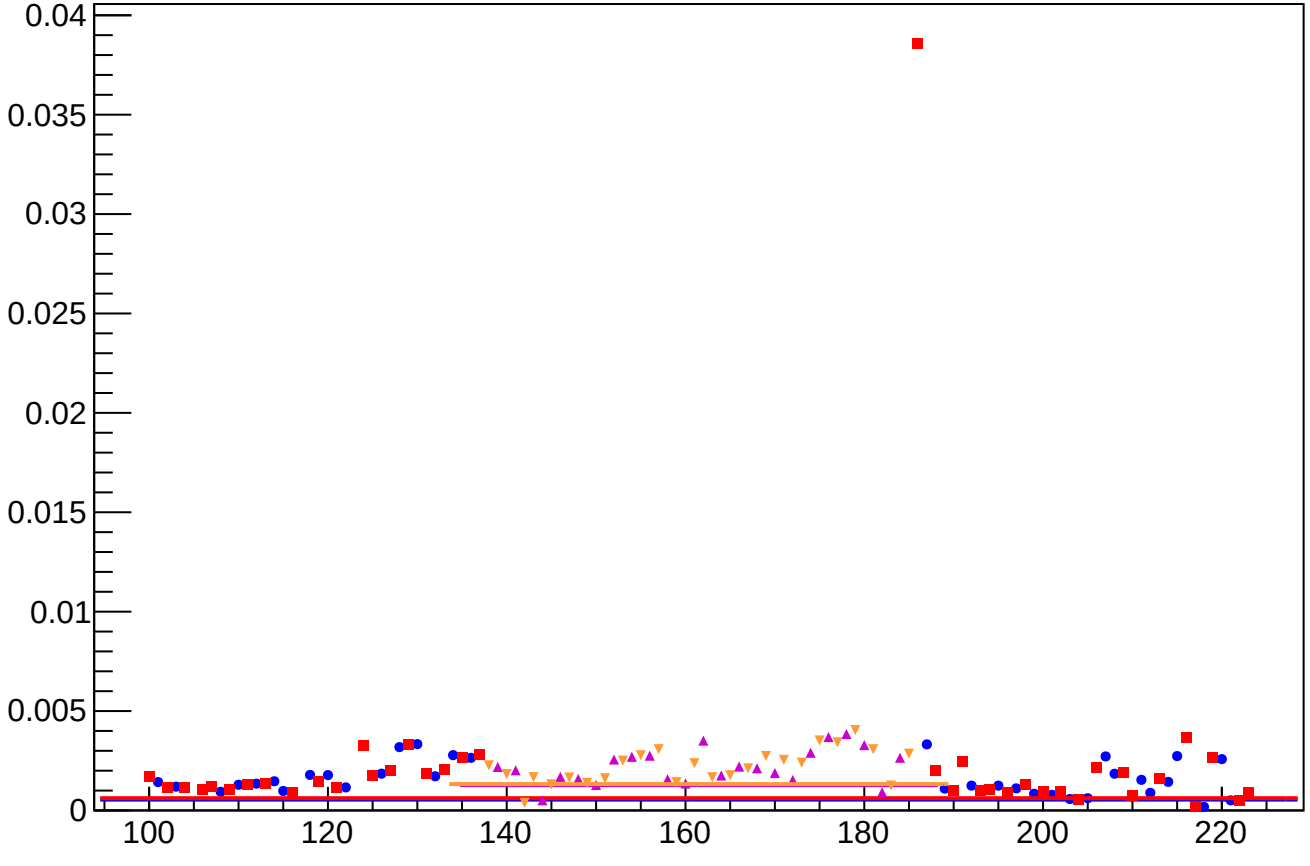
Right: -0.000+/-0.000 χ^2/NDF: 67.3/72

In: -0.000+/-0.000 χ^2/NDF:54.9/56

Out: -0.000+/-0.000 χ^2/NDF:70.4/63

All: -0.000+/-0.000 χ^2/NDF: 125.3/120

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

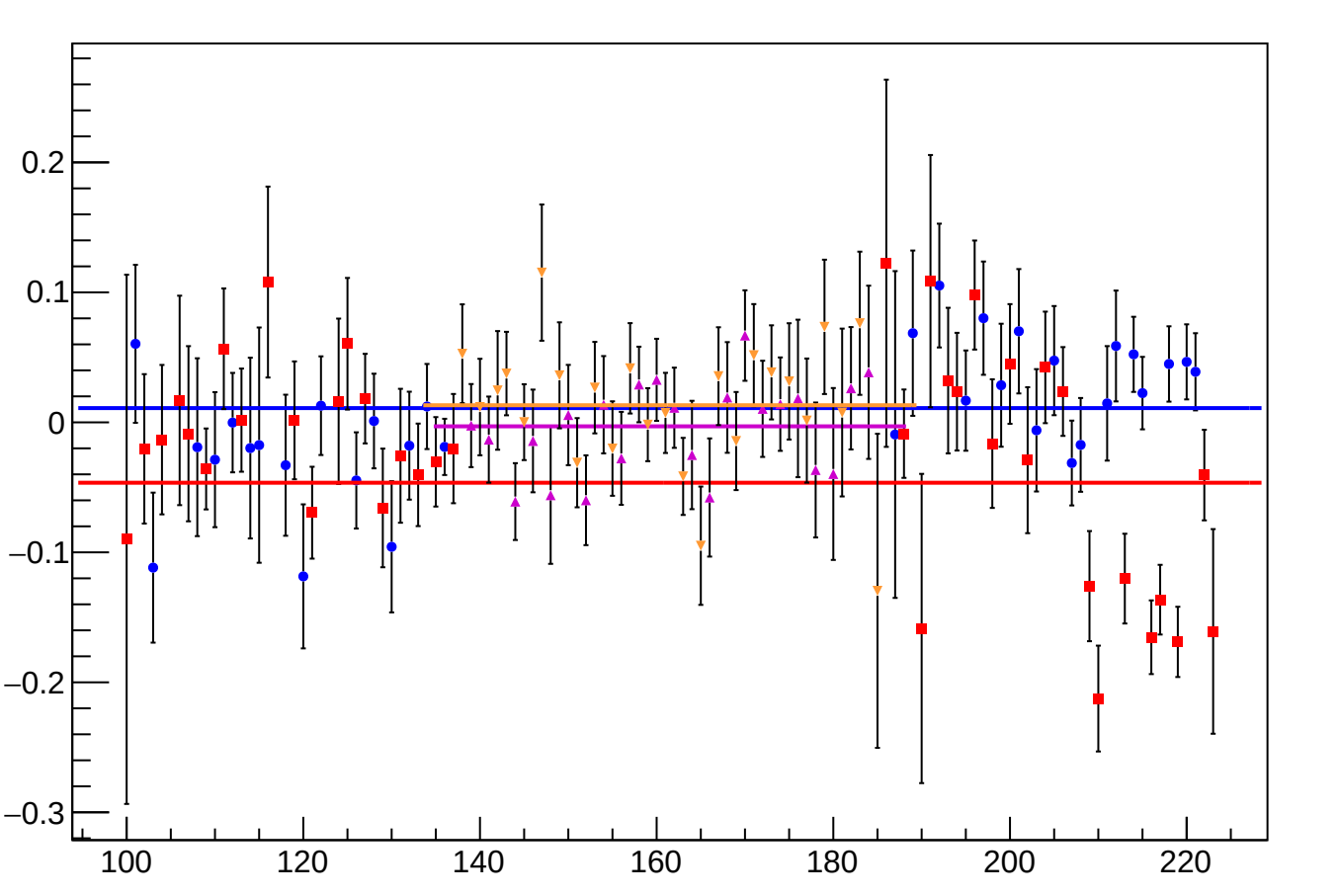
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

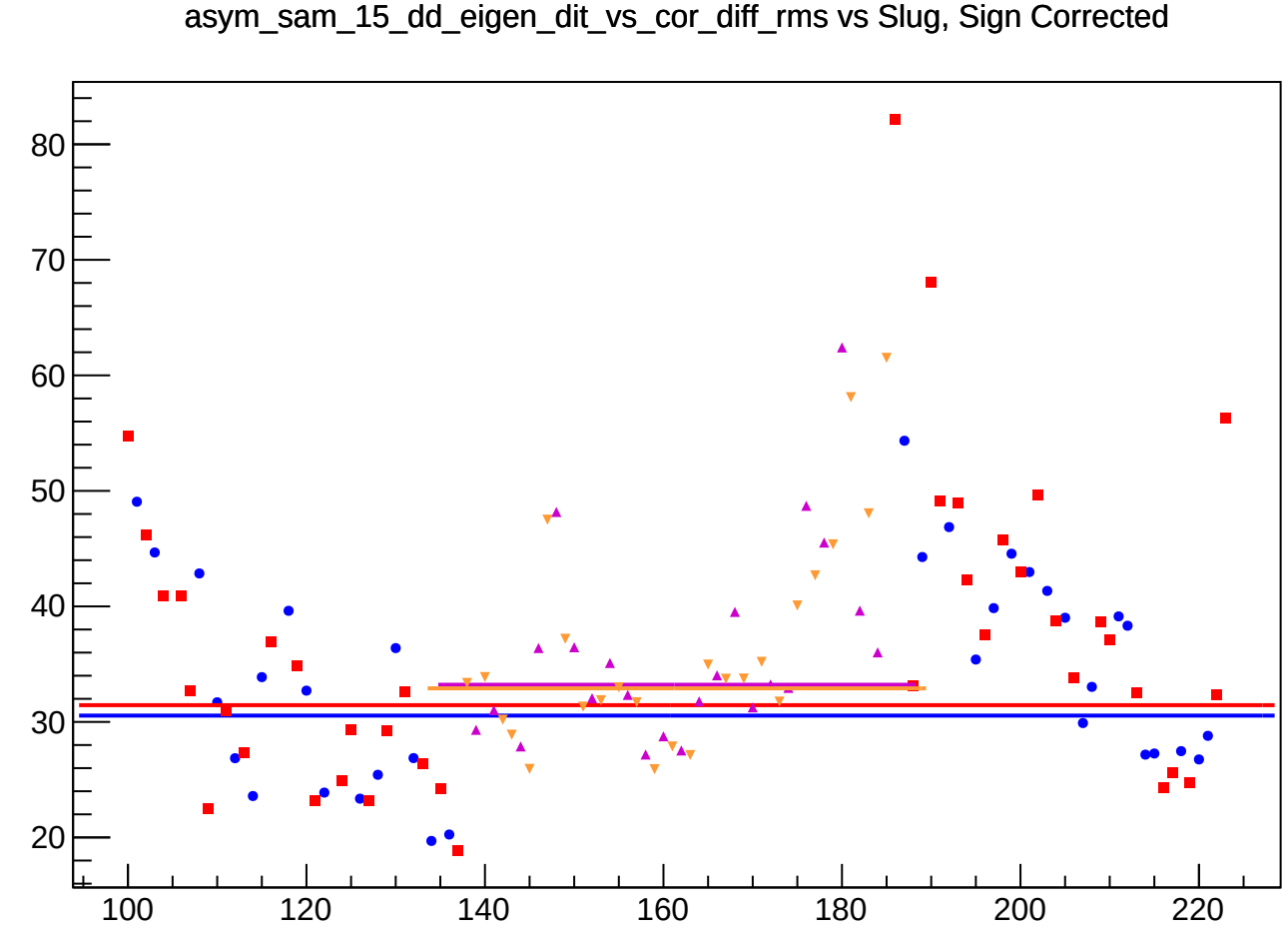
Right: 0.001+/-0.000 χ^2/NDF: 37954225.8/72

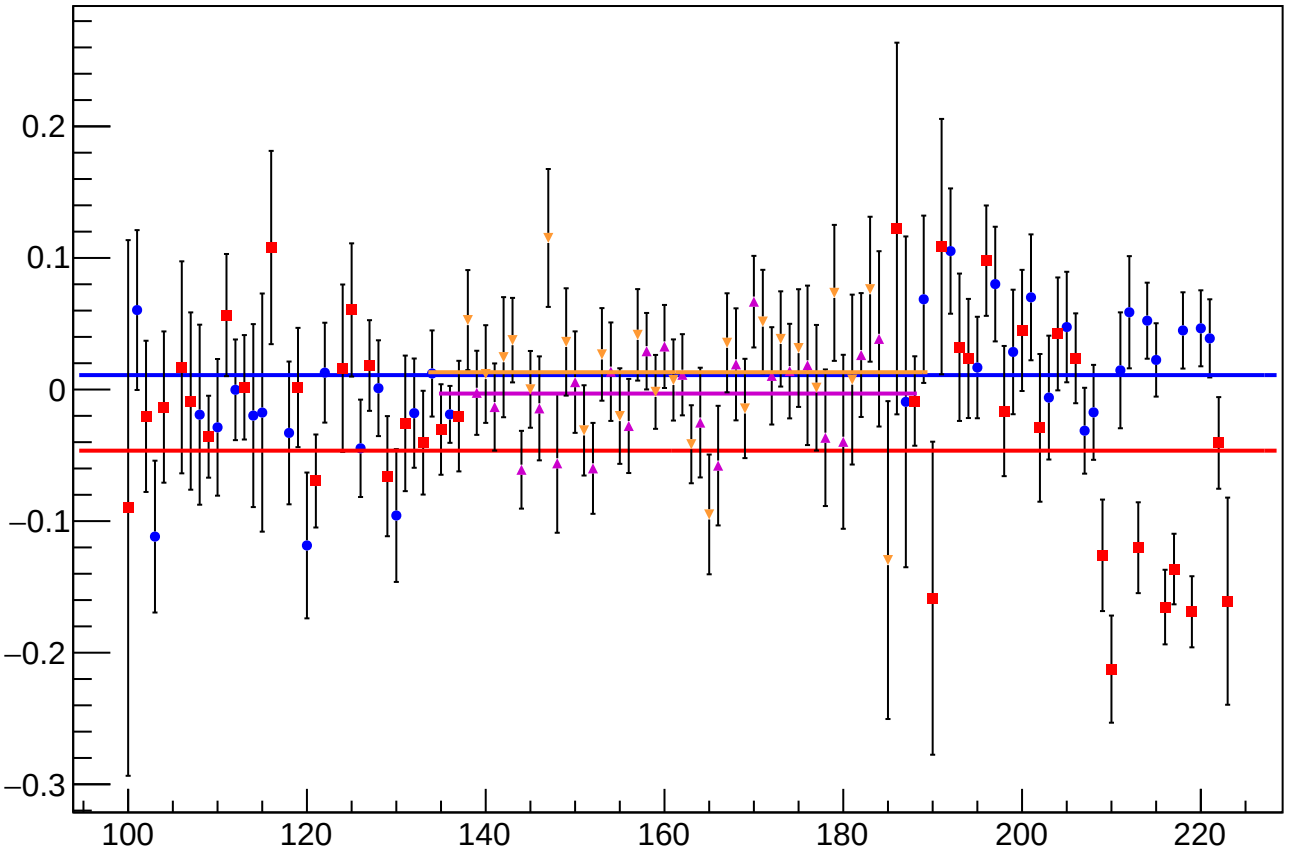
In: 0.001+/-0.000 χ^2/NDF:36128139.2/56

Out: 0.001+/-0.000 χ^2/NDF:35602431.8/63

All: 0.001+/-0.000 χ^2/NDF: 71941418.6/120


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
220
Right In: 0.011+/-0.007 χ²/NDF: 41.1/33
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: -0.046+/-0.007 χ²/NDF: 135.4/38
Left In: -0.003+/-0.008 χ²/NDF:19.2/22
Left: 0.005+/-0.006 χ²/NDF: 46.7/47
Right: -0.017+/-0.005 χ²/NDF: 211.7/72
In: 0.005+/-0.005 χ²/NDF:62.1/56
Out: -0.020+/-0.005 χ²/NDF:194.1/63
All: -0.007+/-0.004 χ²/NDF: 267.9/120


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
120
140
160
180
200
220
Right In: 30.548+/-0.005 χ²/NDF: 2654996.1/33
Left Out: 32.907+/-0.005 χ²/NDF:1427993.7/24
Right Out: 31.450+/-0.005 χ²/NDF: 3088520.8/38
Left In: 33.217+/-0.006 χ²/NDF:1221516.5/22
Left: 33.056+/-0.004 χ²/NDF: 2651077.1/47
Right: 30.992+/-0.003 χ²/NDF: 5760919.1/72
In: 31.671+/-0.004 χ²/NDF:4006583.4/56
Out: 32.100+/-0.004 χ²/NDF:4556380.3/63
All: 31.887+/-0.003 χ²/NDF: 8569905.5/120



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

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

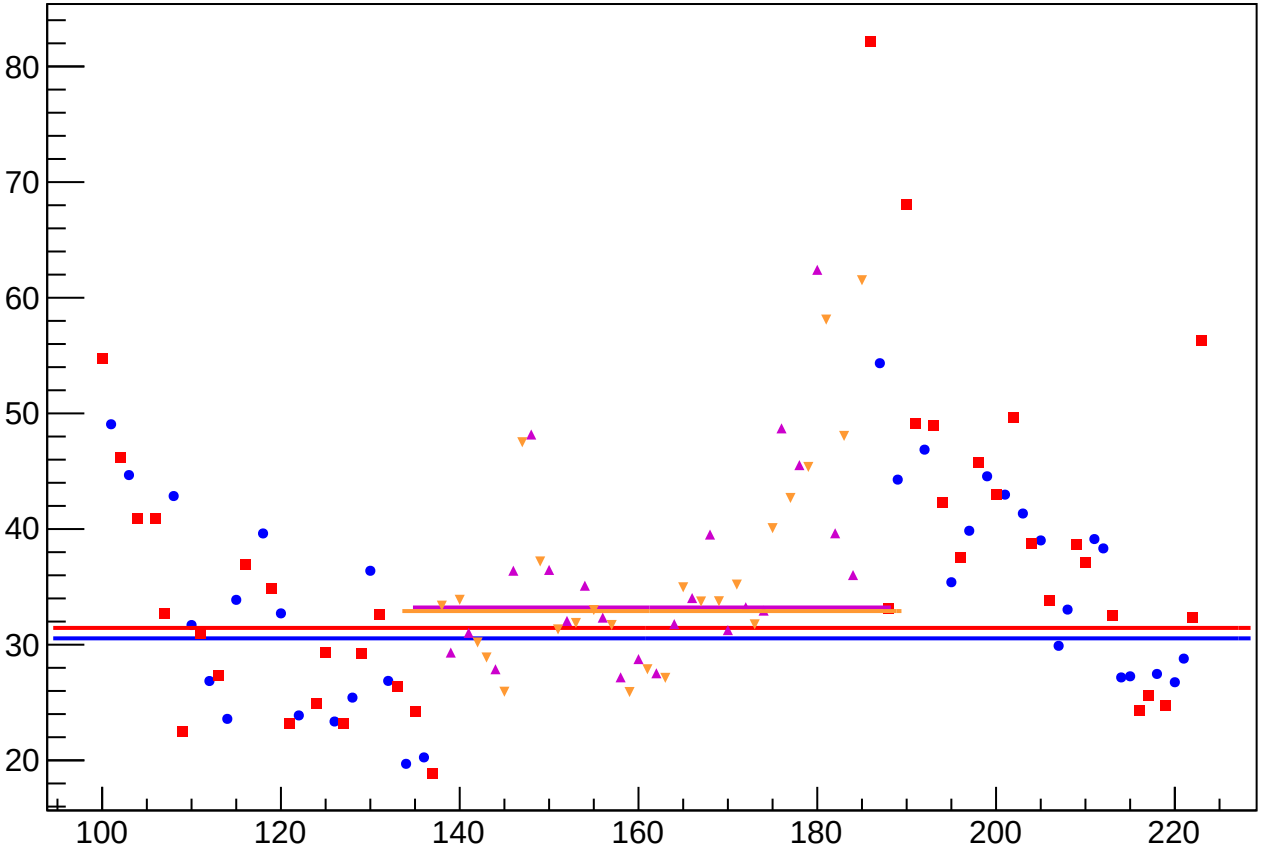
Right: -0.017+/-0.005 χ^2/NDF: 211.7/72

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.020+/-0.005 χ^2/NDF:194.1/63

All: -0.007+/-0.004 χ^2/NDF: 267.9/120

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

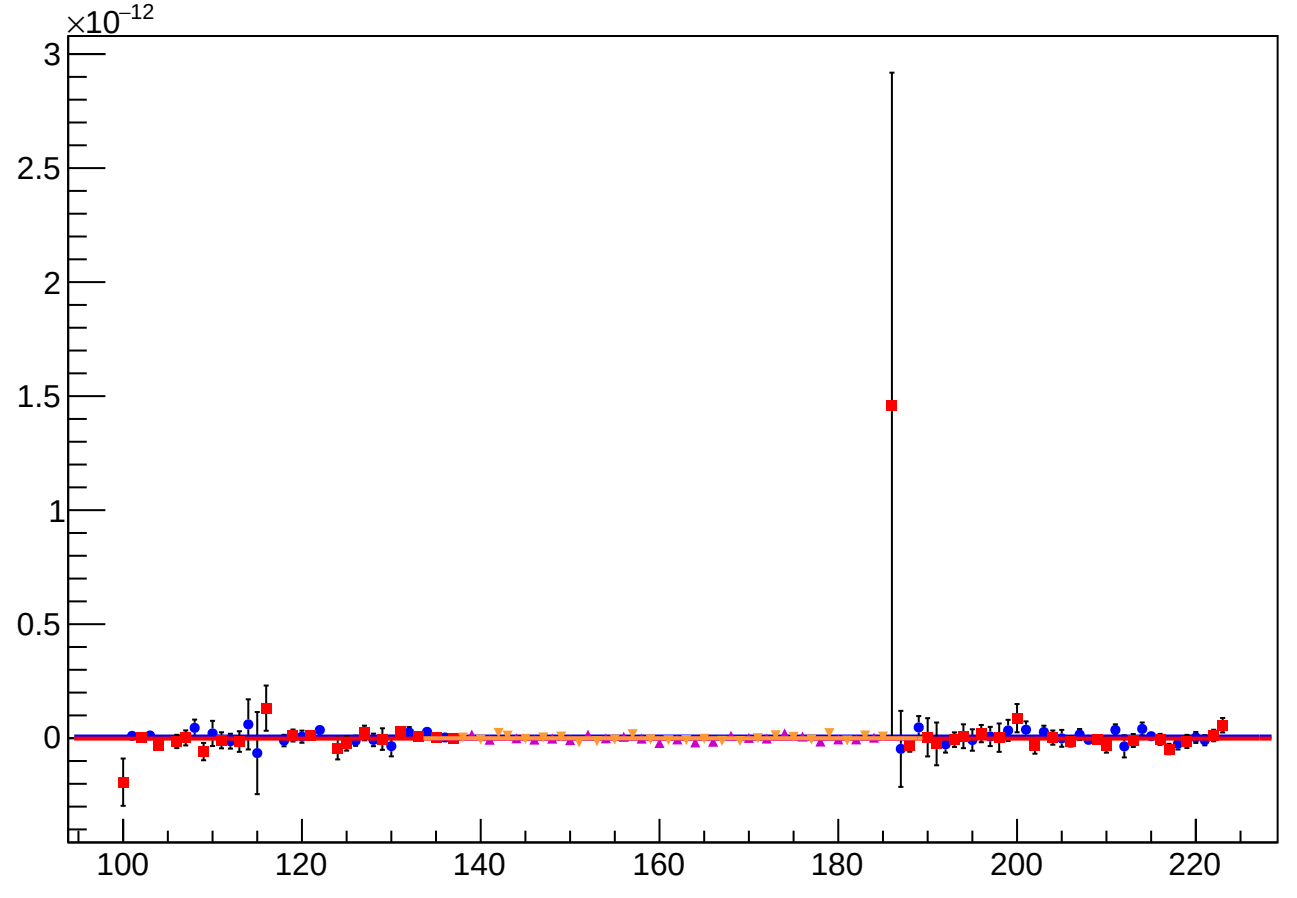
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.992+/-0.003 χ^2/NDF: 5760919.1/72

In: 31.671+/-0.004 χ^2/NDF:4006583.4/56

Out: 32.100+/-0.004 χ^2/NDF:4556380.3/63

All: 31.887+/-0.003 χ^2/NDF: 8569905.5/120



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

Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

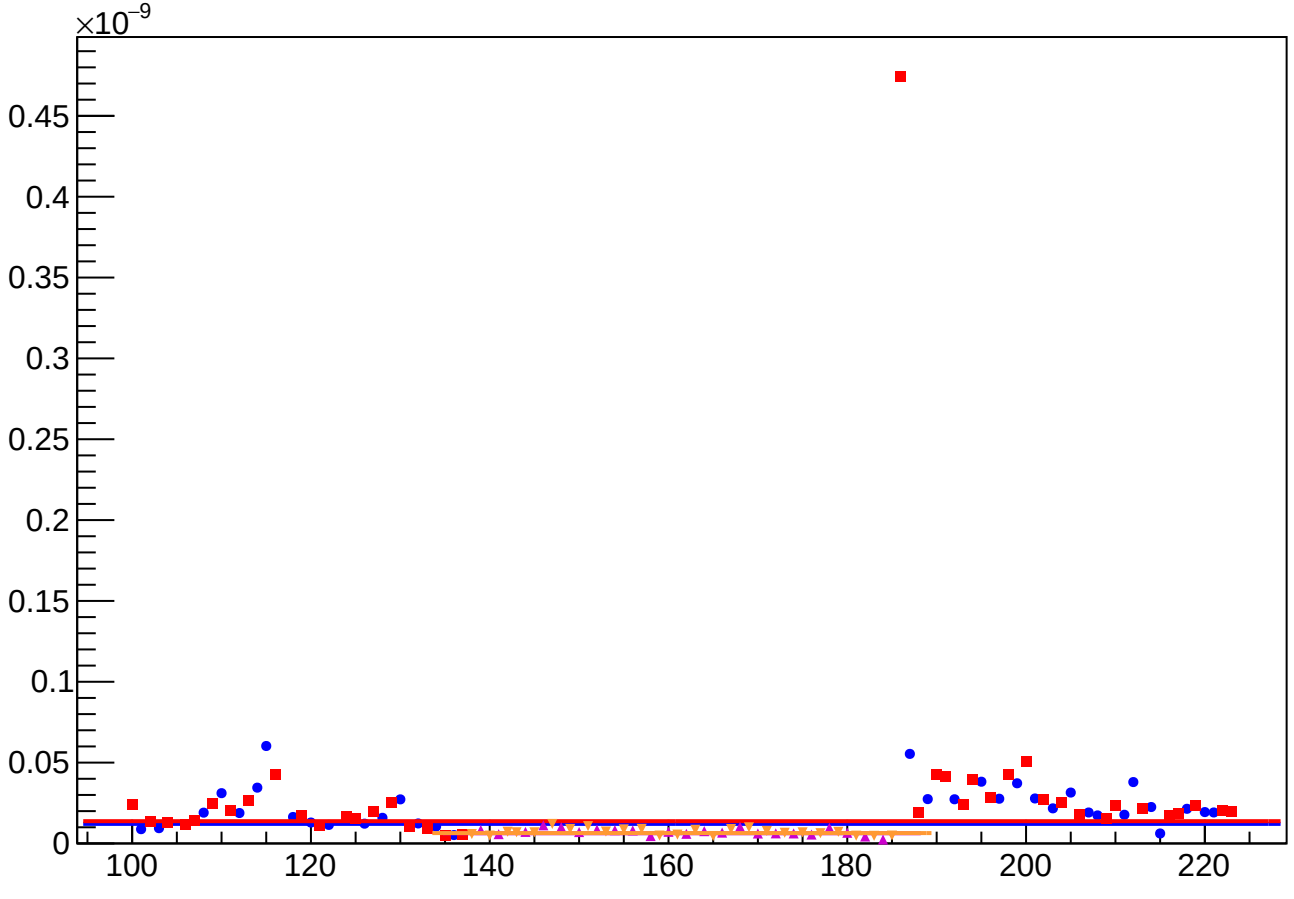
Right: 0.000+/-0.000 χ^2/NDF: 51.3/72

In: 0.000+/-0.000 χ^2/NDF:47.5/56

Out: -0.000+/-0.000 χ^2/NDF:61.7/63

All: -0.000+/-0.000 χ^2/NDF: 109.4/120

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

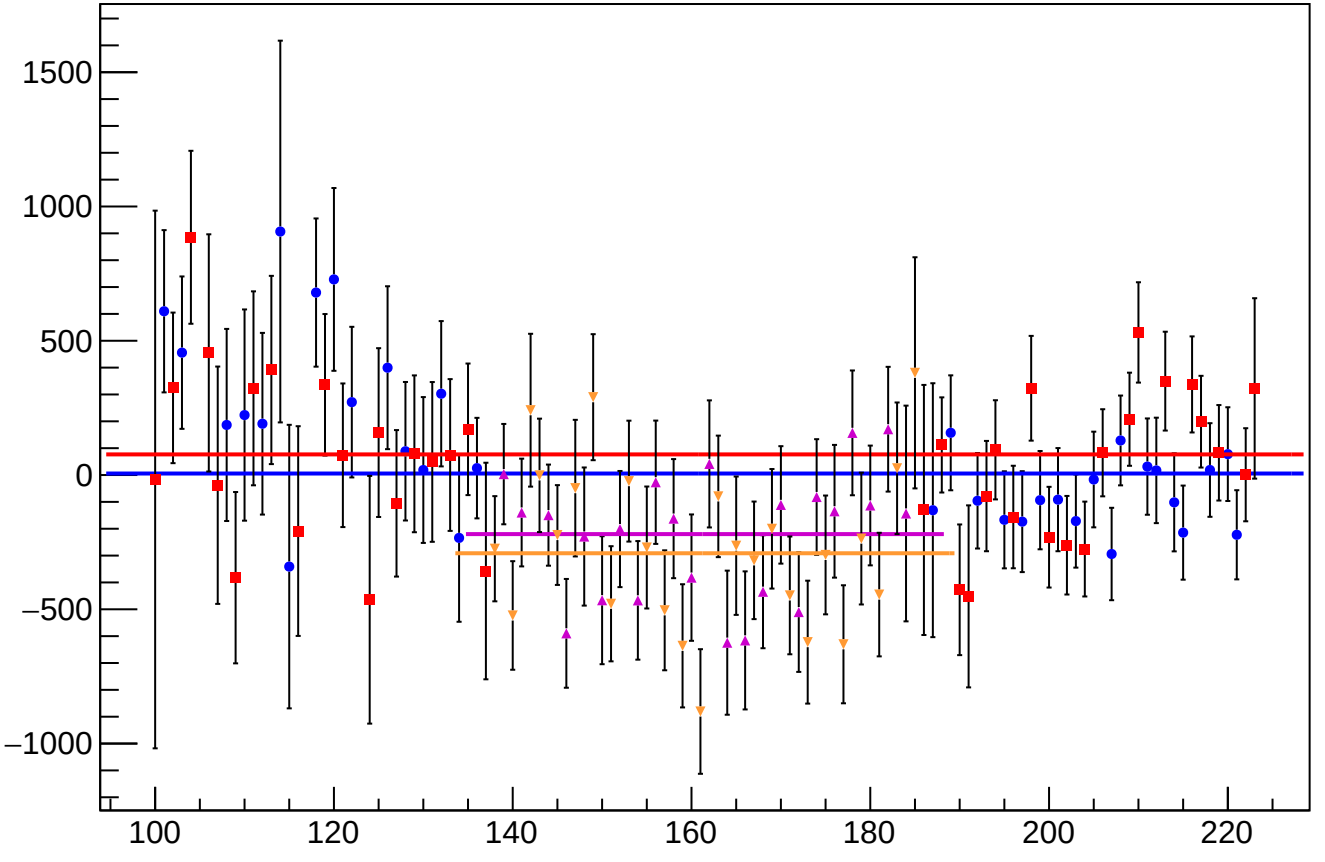
Right: 0.000+/-0.000 χ^2/NDF: 17431740.7/72

In: 0.000+/-0.000 χ^2/NDF:15019872.5/56

Out: 0.000+/-0.000 χ^2/NDF:15641768.5/63

All: 0.000+/-0.000 χ^2/NDF: 30671532.7/120

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

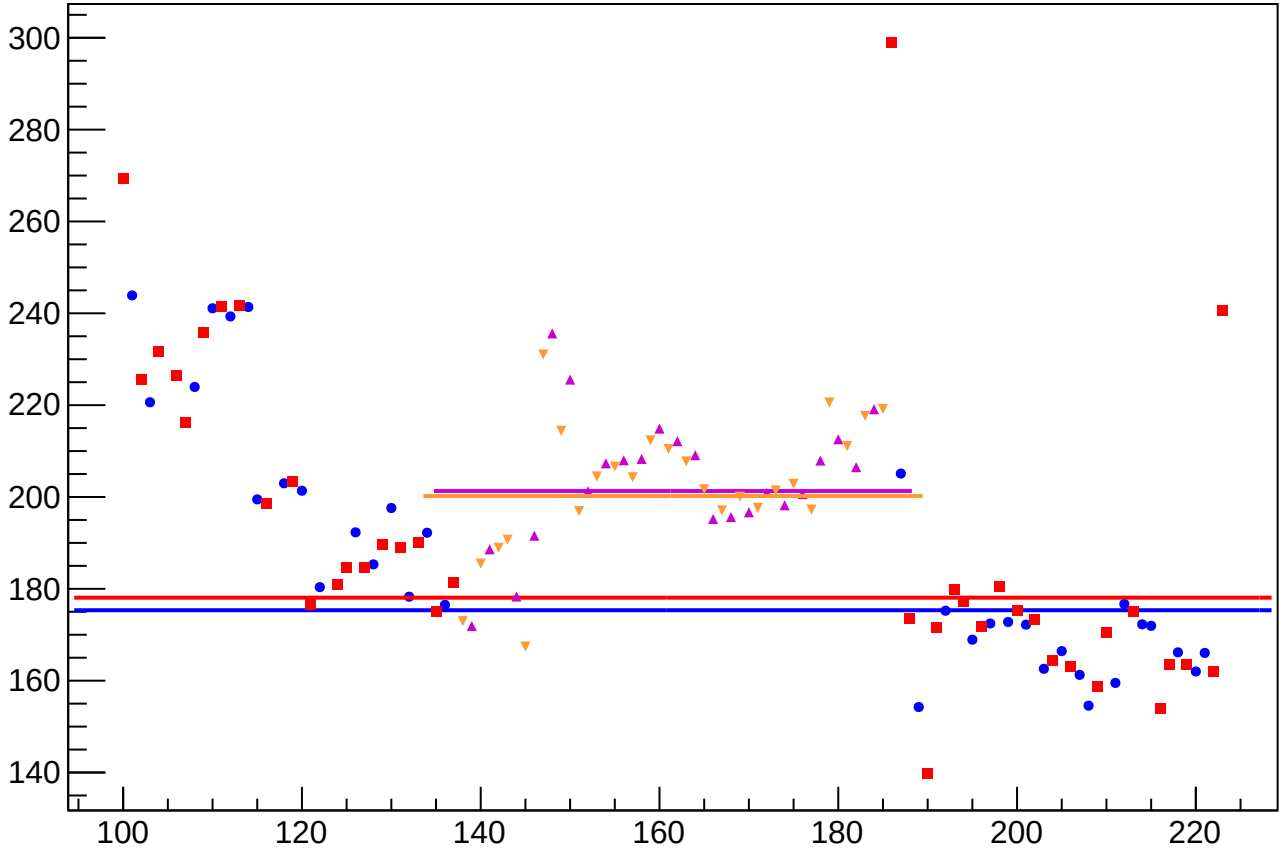
Right: 41.229+/-26.568 χ^2/NDF: 86.8/72

In: -82.024+/-29.386 χ^2/NDF:74.1/56

Out: -71.961+/-28.998 χ^2/NDF:123.9/63

All: -76.926+/-20.640 χ^2/NDF: 198.0/120

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

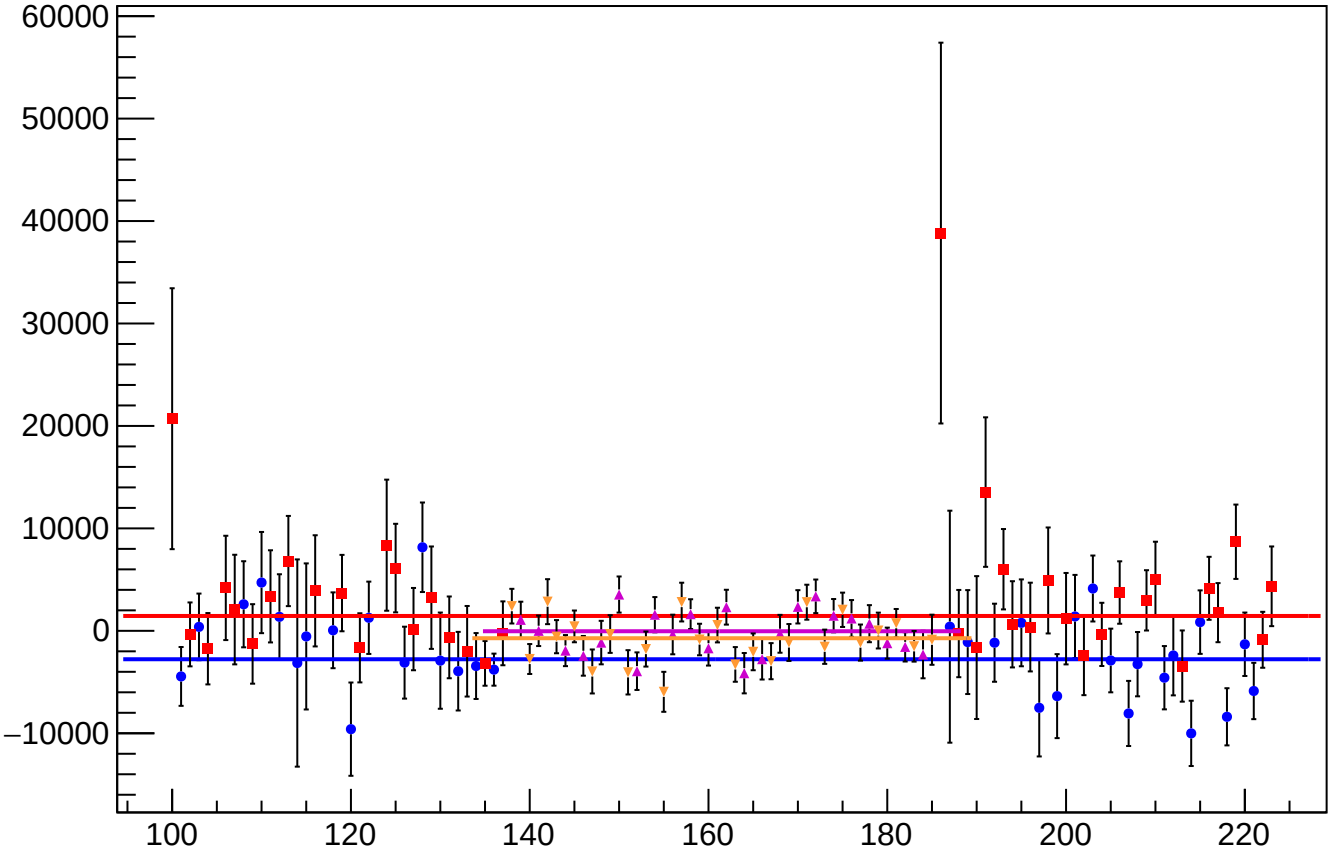
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.709+/-0.019 χ^2/NDF: 1336248.0/72

In: 185.424+/-0.021 χ^2/NDF:1085288.4/56

Out: 187.023+/-0.021 χ^2/NDF:1282998.0/63

All: 186.234+/-0.015 χ^2/NDF: 2371286.4/120



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

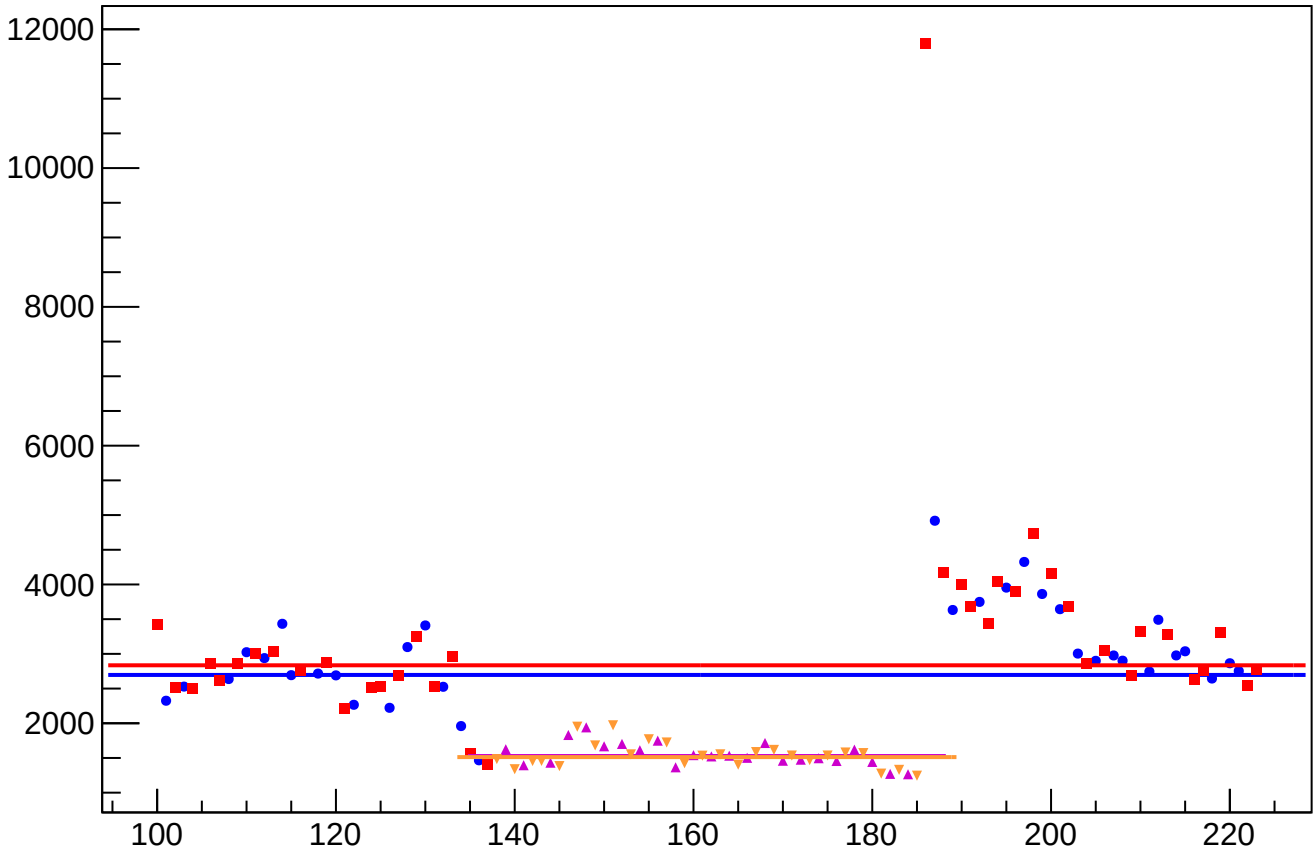
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -731.680+/-427.304 χ^2/NDF: 101.2/72

In: -770.788+/-307.474 χ^2/NDF:90.9/56

Out: -197.195+/-301.759 χ^2/NDF:83.5/63

All: -478.612+/-215.368 χ^2/NDF: 176.2/120



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

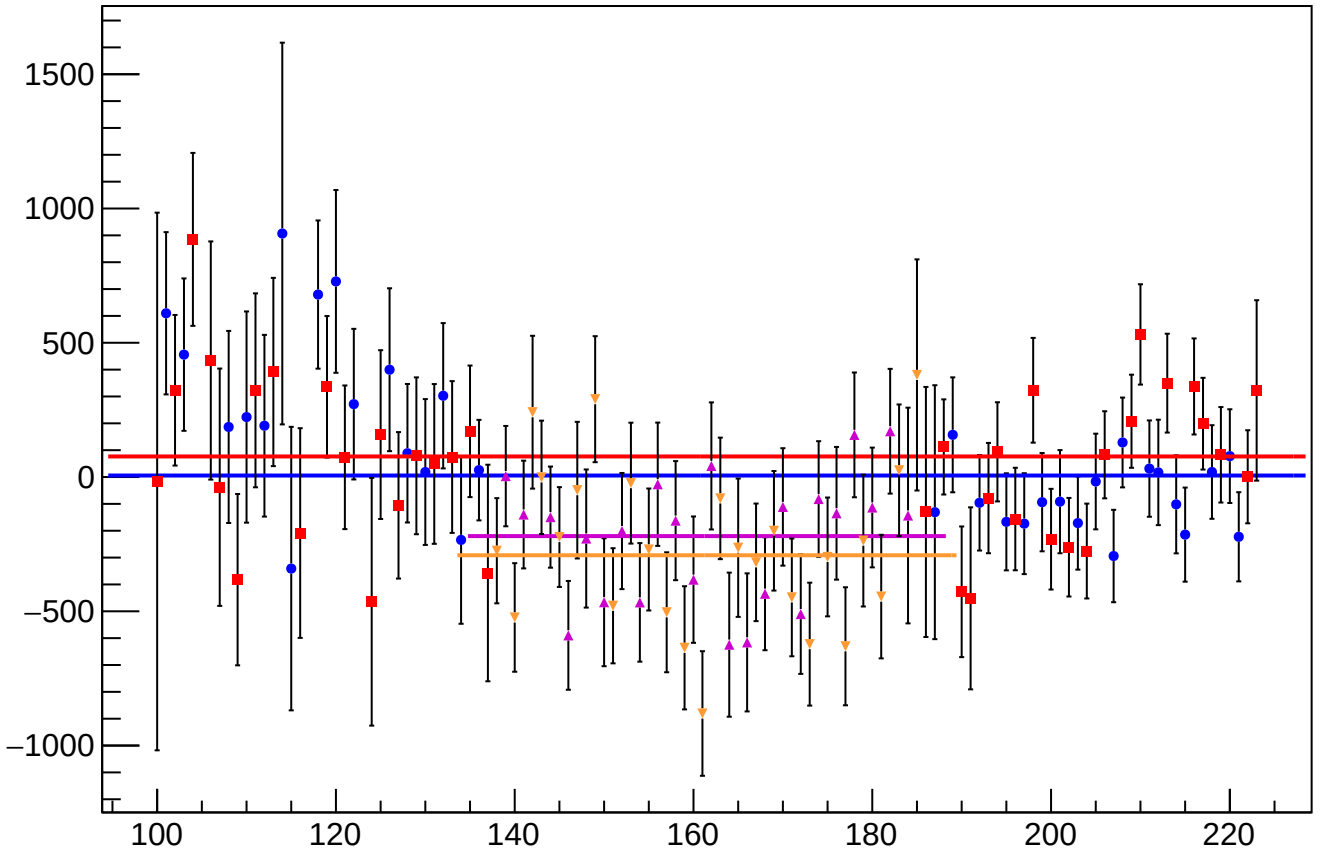
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2763.524+/-0.302 χ^2/NDF: 5798943.1/72

In: 1840.549+/-0.217 χ^2/NDF:8736492.2/56

Out: 1831.237+/-0.213 χ^2/NDF:10517614.0/63

All: 1835.806+/-0.152 χ^2/NDF: 19255040.6/1



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

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

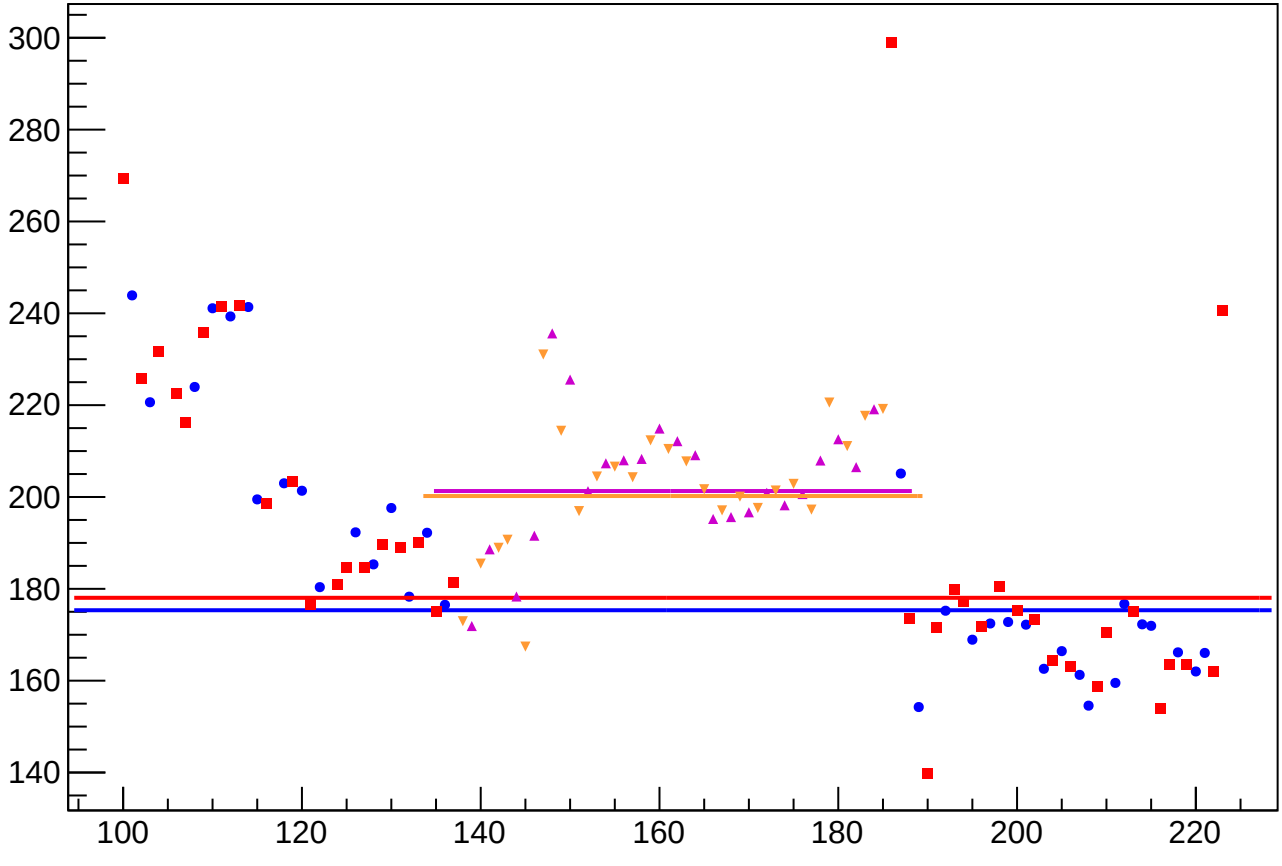
Right: 41.117+/-26.568 χ^2/NDF: 86.7/72

In: -82.033+/-29.386 χ^2/NDF:74.1/56

Out: -72.095+/-28.999 χ^2/NDF:123.7/63

All: -76.998+/-20.641 χ^2/NDF: 197.8/120

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

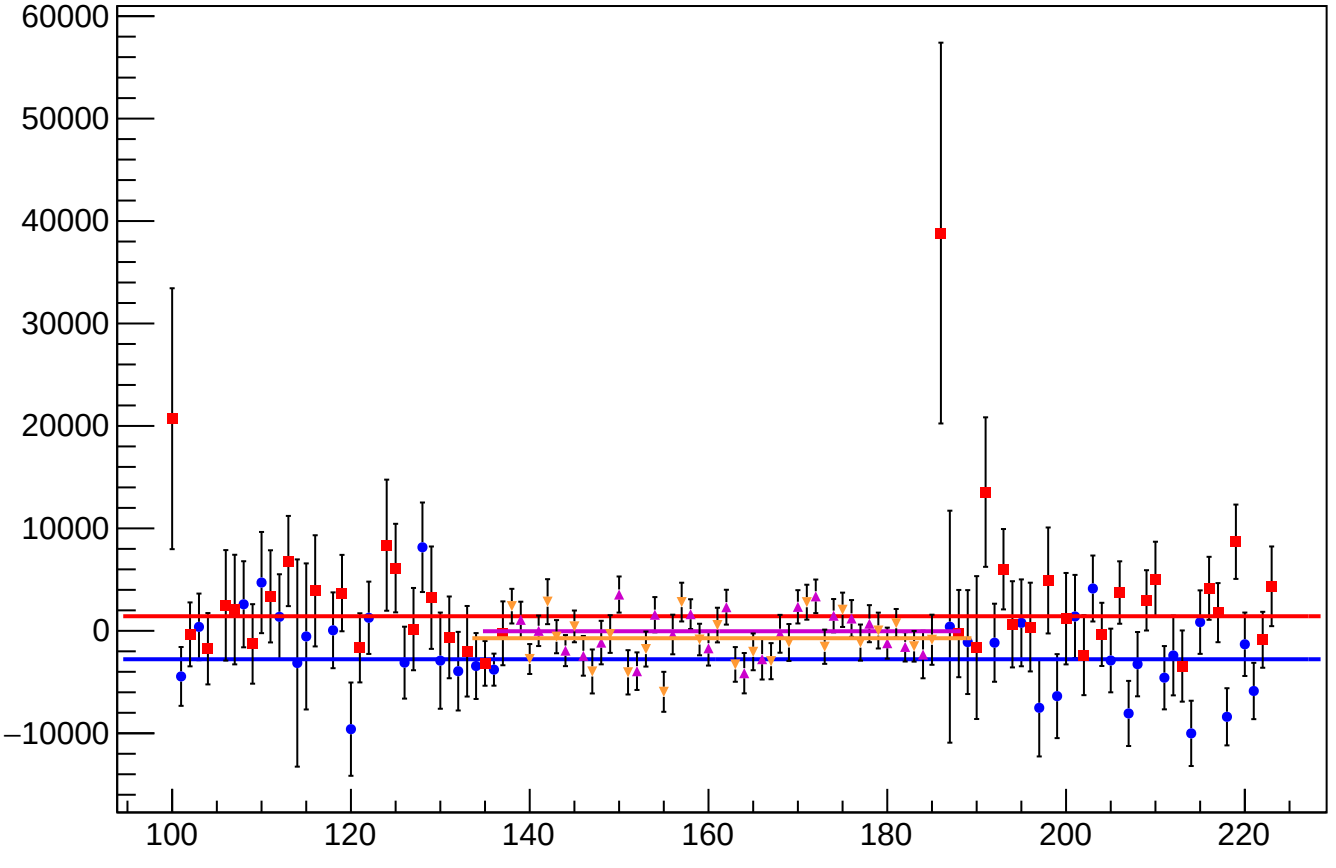
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.694+/-0.019 χ^2/NDF: 1332344.7/72

In: 185.424+/-0.021 χ^2/NDF:1085289.0/56

Out: 187.005+/-0.021 χ^2/NDF:1279975.4/63

All: 186.225+/-0.015 χ^2/NDF: 2368198.0/120



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

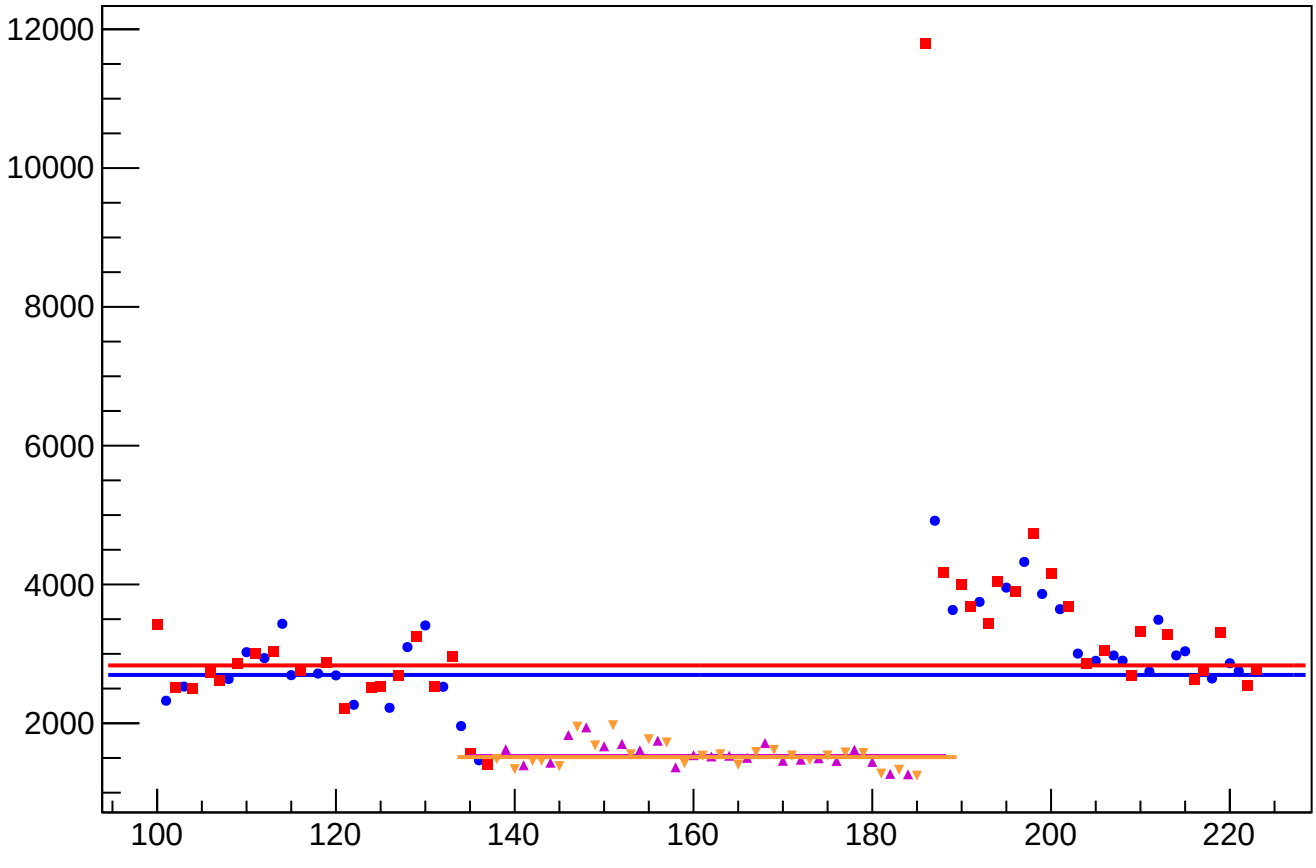
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -746.093+/-427.470 χ^2/NDF: 100.6/72

In: -770.783+/-307.474 χ^2/NDF:90.9/56

Out: -204.179+/-301.818 χ^2/NDF:83.0/63

All: -482.222+/-215.389 χ^2/NDF: 175.7/120



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

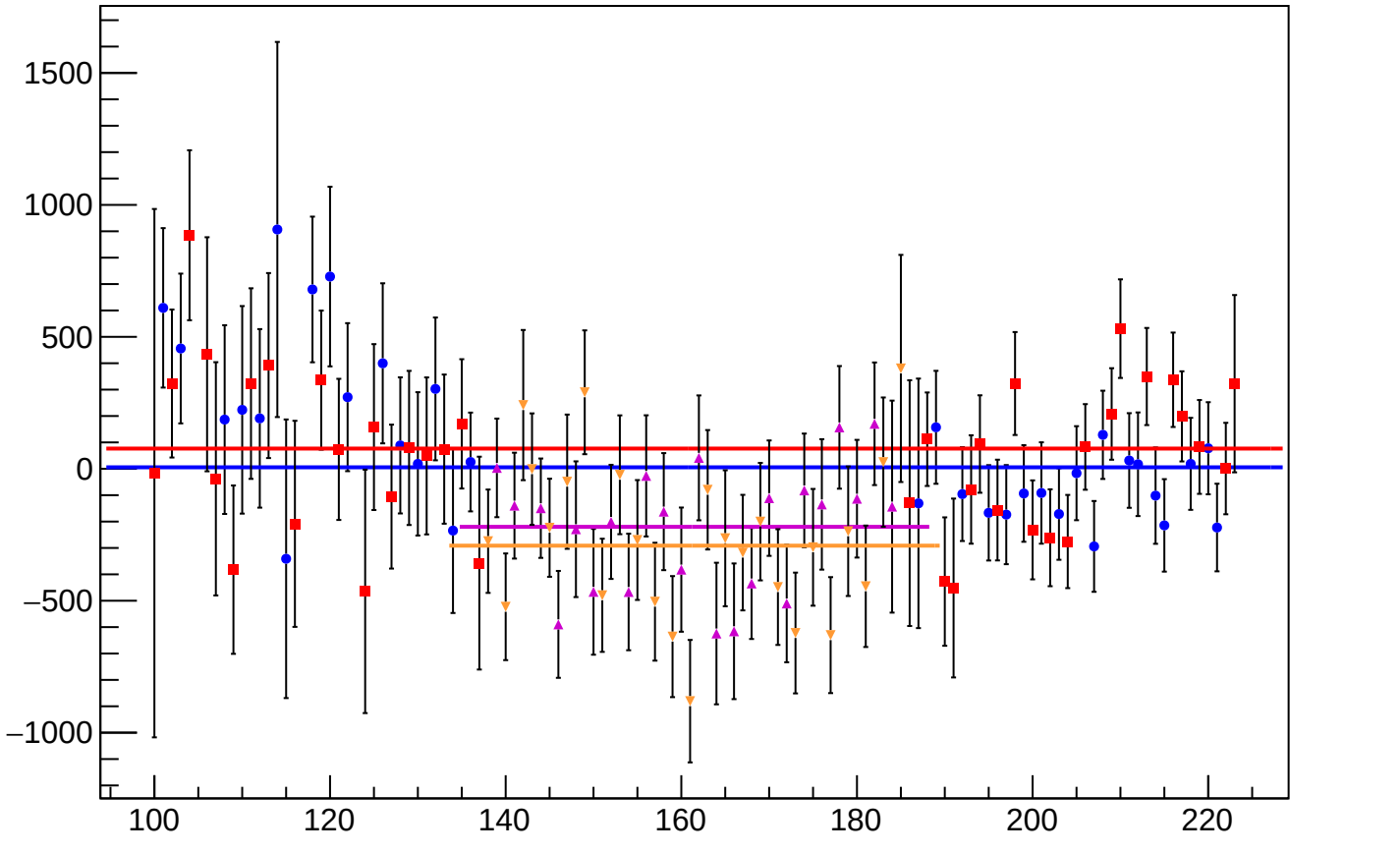
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2762.611+/-0.302 χ^2/NDF: 5798067.2/72

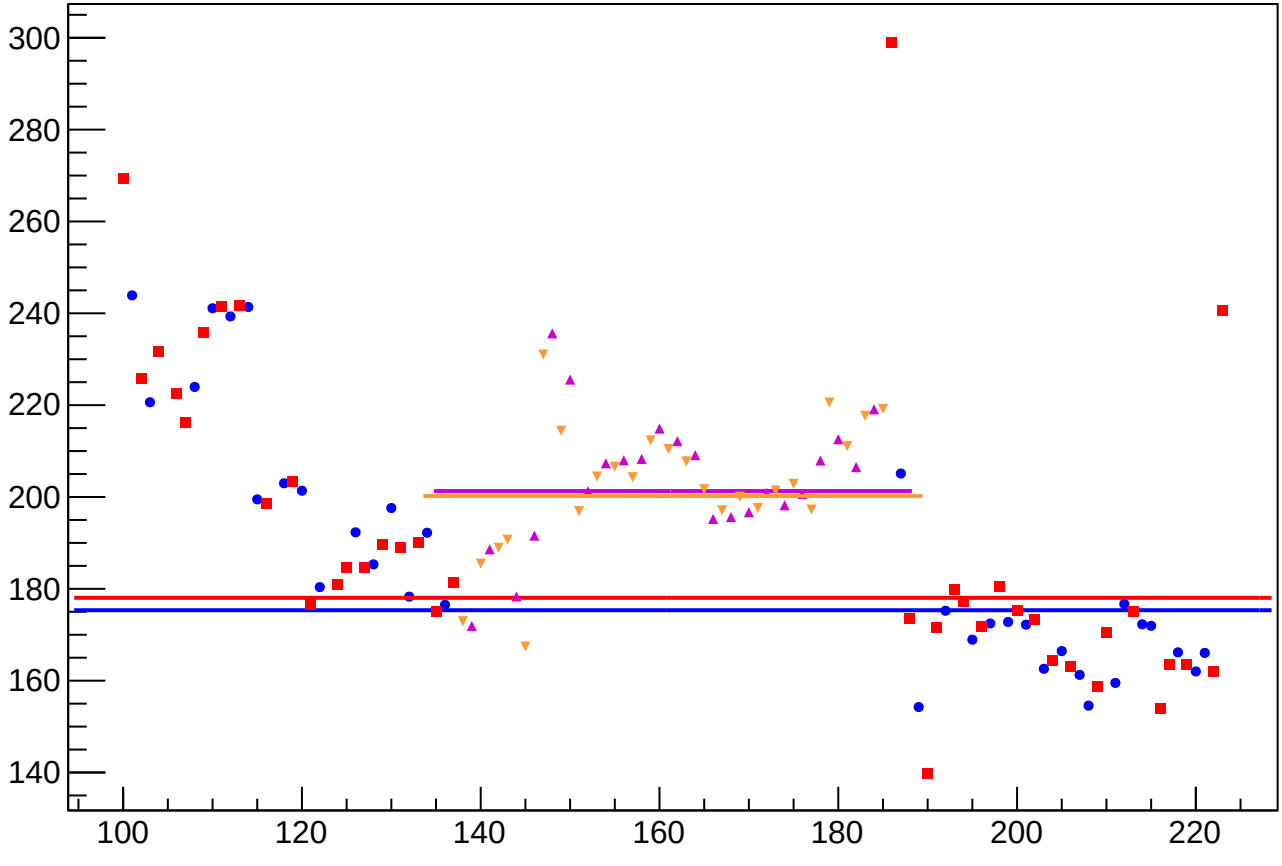
In: 1840.550+/-0.217 χ^2/NDF:8736500.8/56

Out: 1830.419+/-0.213 χ^2/NDF:10490653.7/63

All: 1835.390+/-0.152 χ^2/NDF: 19228260.3/1


eigen_cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 5.606+/-37.578 χ²/NDF: 36.3/33
Left Out: -291.316+/-45.614 χ²/NDF:36.4/24
Right Out: 76.609+/-37.568 χ²/NDF: 48.6/38
Left In: -219.983+/-47.146 χ²/NDF:23.7/22
Left: -256.827+/-32.782 χ²/NDF: 61.3/47
Right: 41.117+/-26.568 χ²/NDF: 86.7/72
In: -82.033+/-29.386 χ²/NDF:74.1/56
Out: -72.095+/-28.999 χ²/NDF:123.7/63
All: -76.998+/-20.641 χ²/NDF: 197.8/120

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

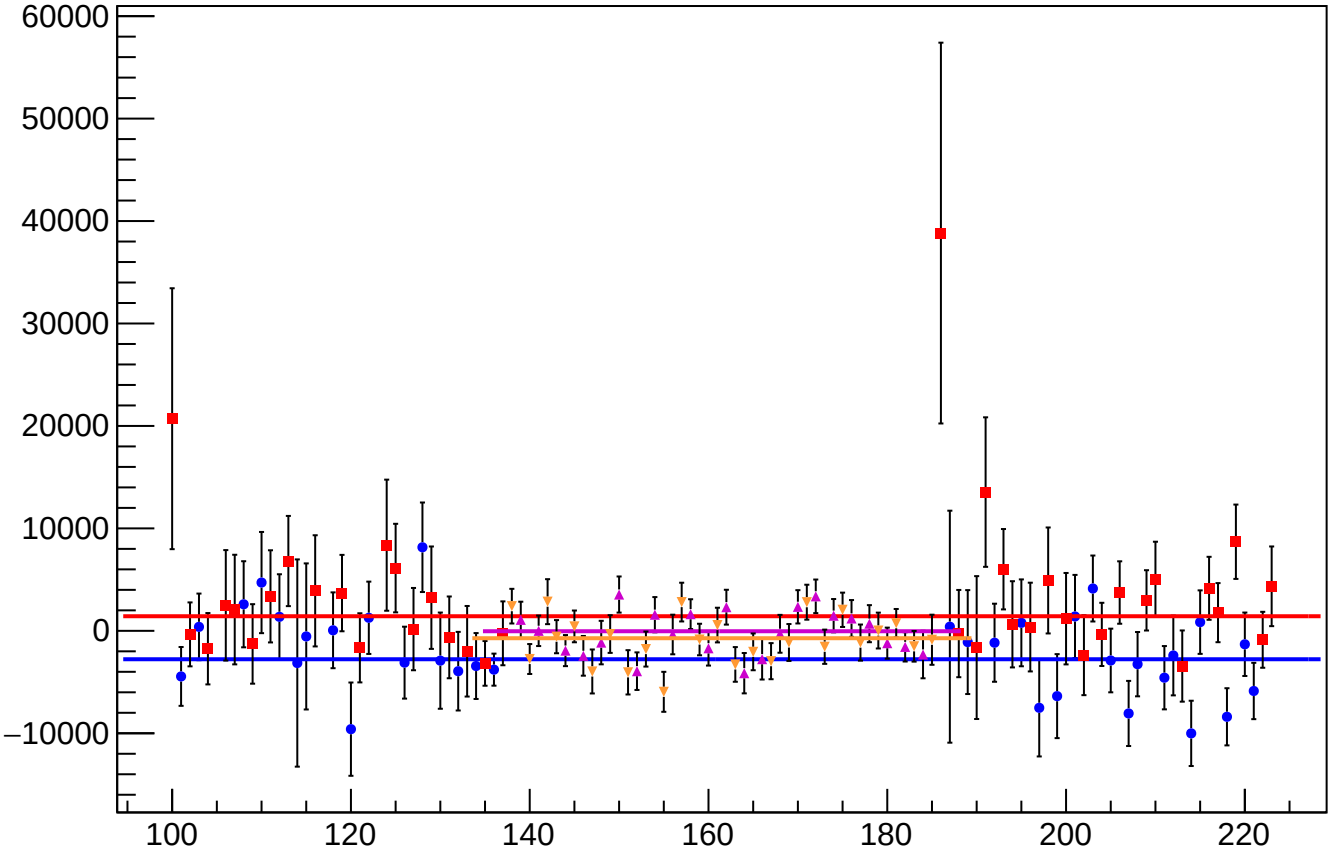
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.694+/-0.019 χ^2/NDF: 1332344.7/72

In: 185.424+/-0.021 χ^2/NDF:1085289.0/56

Out: 187.005+/-0.021 χ^2/NDF:1279975.4/63

All: 186.225+/-0.015 χ^2/NDF: 2368198.0/120



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

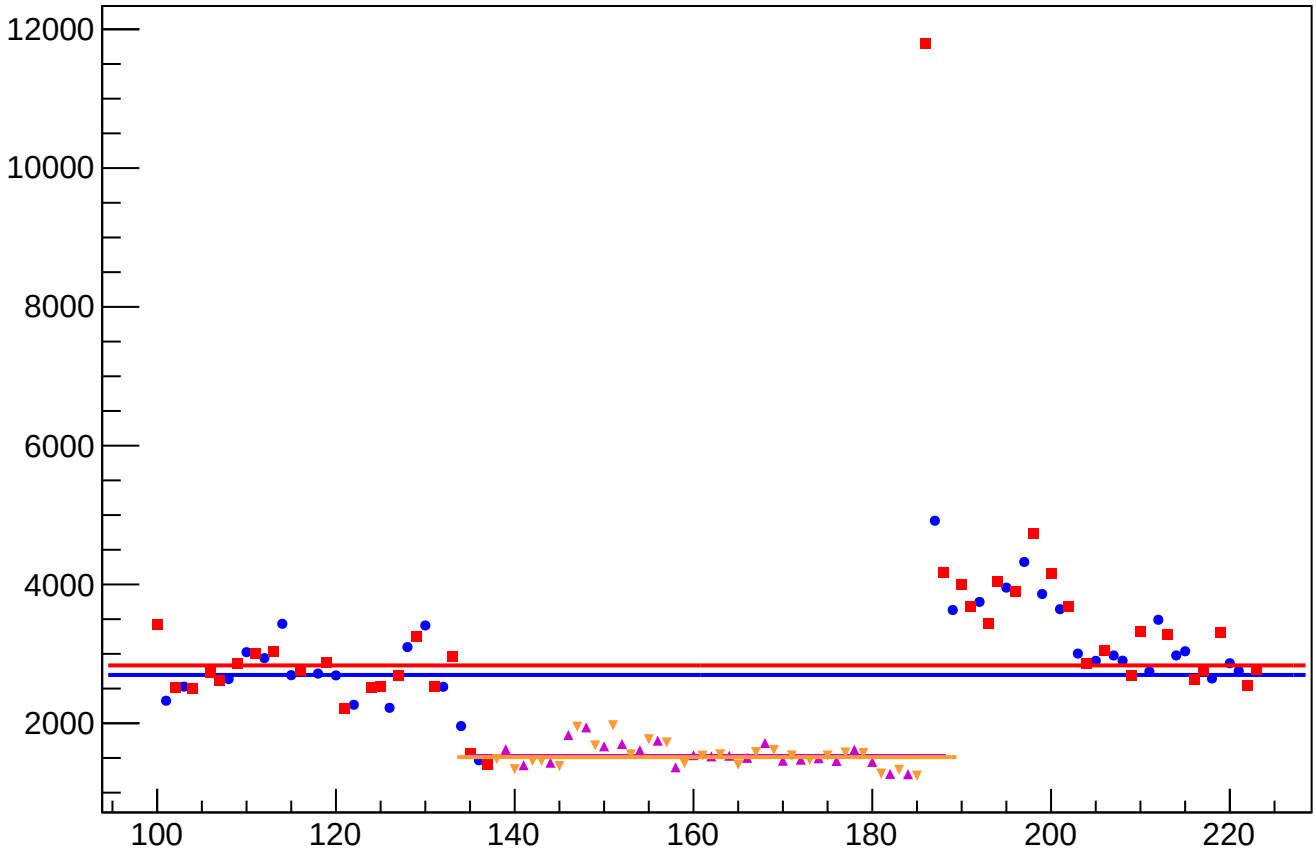
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -746.093+/-427.470 χ^2/NDF: 100.6/72

In: -770.783+/-307.474 χ^2/NDF:90.9/56

Out: -204.179+/-301.818 χ^2/NDF:83.0/63

All: -482.222+/-215.389 χ^2/NDF: 175.7/120



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

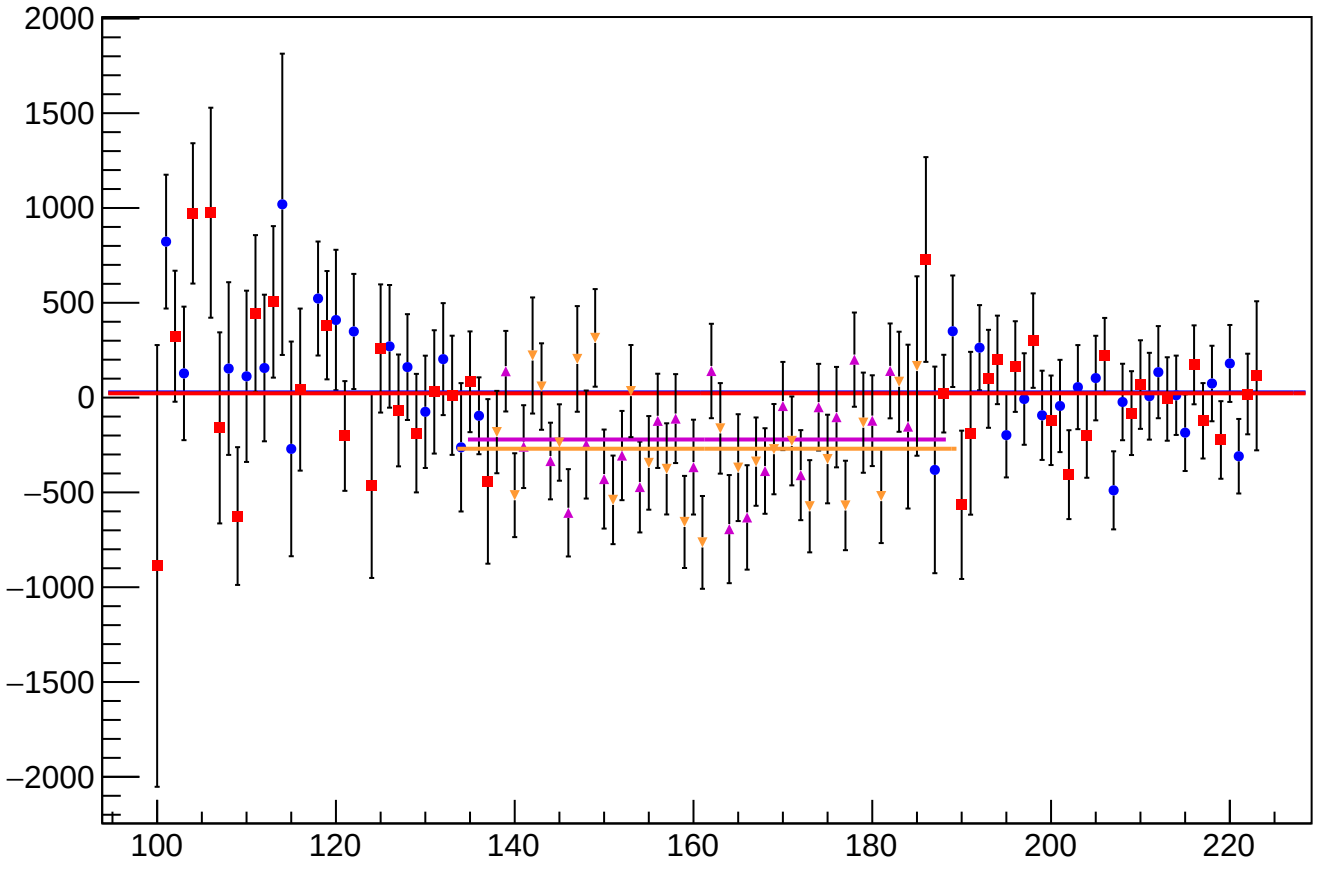
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2762.611+/-0.302 χ^2/NDF: 5798067.2/72

In: 1840.550+/-0.217 χ^2/NDF:8736500.8/56

Out: 1830.419+/-0.213 χ^2/NDF:10490653.7/63

All: 1835.390+/-0.152 χ^2/NDF: 19228260.3/1



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

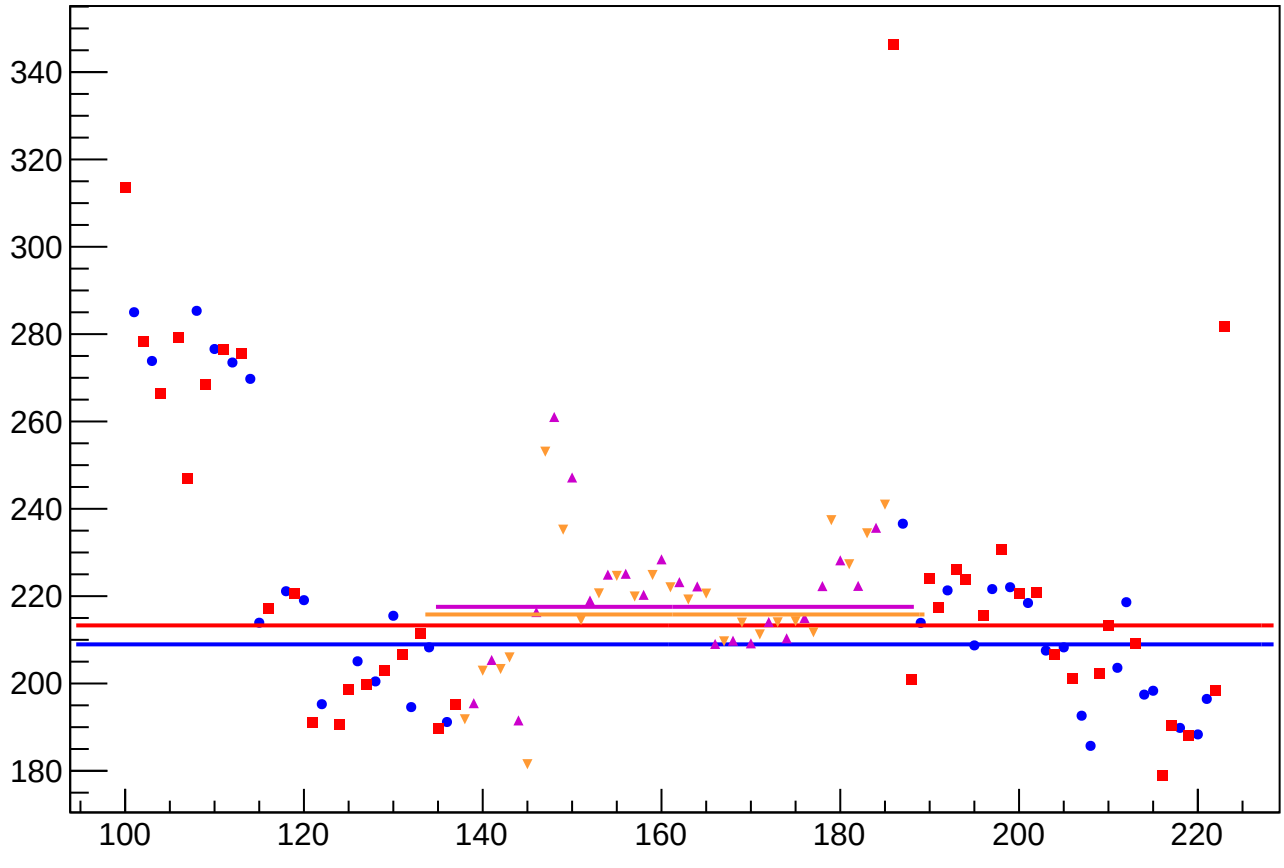
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 25.066+/-31.727 χ^2/NDF: 67.2/72

In: -80.708+/-33.630 χ^2/NDF:66.9/56

Out: -110.570+/-33.182 χ^2/NDF:87.8/63

All: -95.839+/-23.620 χ^2/NDF: 155.1/120



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

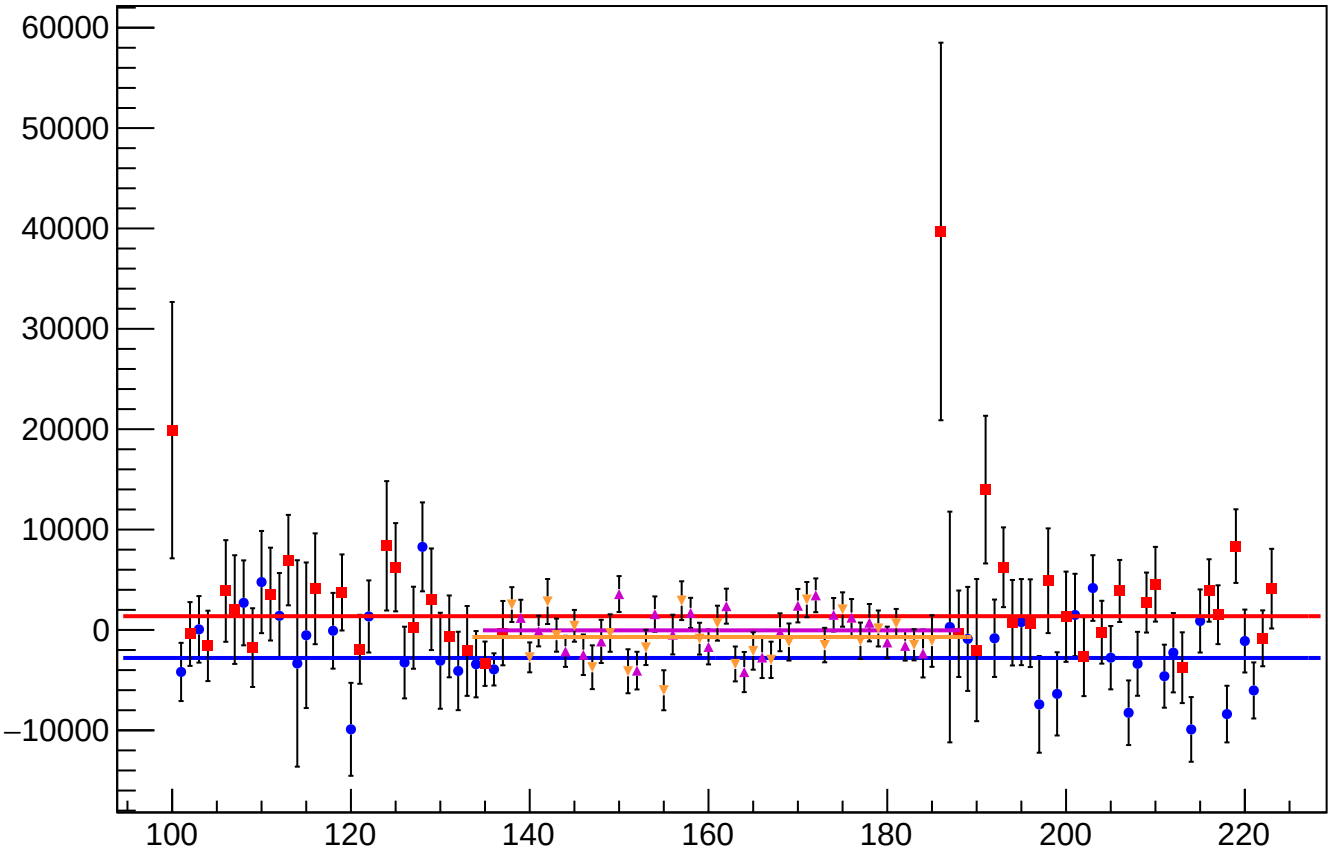
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 211.119+/-0.022 χ^2/NDF: 1201950.4/72

In: 212.703+/-0.024 χ^2/NDF:683601.7/56

Out: 214.442+/-0.023 χ^2/NDF:893706.3/63

All: 213.584+/-0.017 χ^2/NDF: 1580019.8/120



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

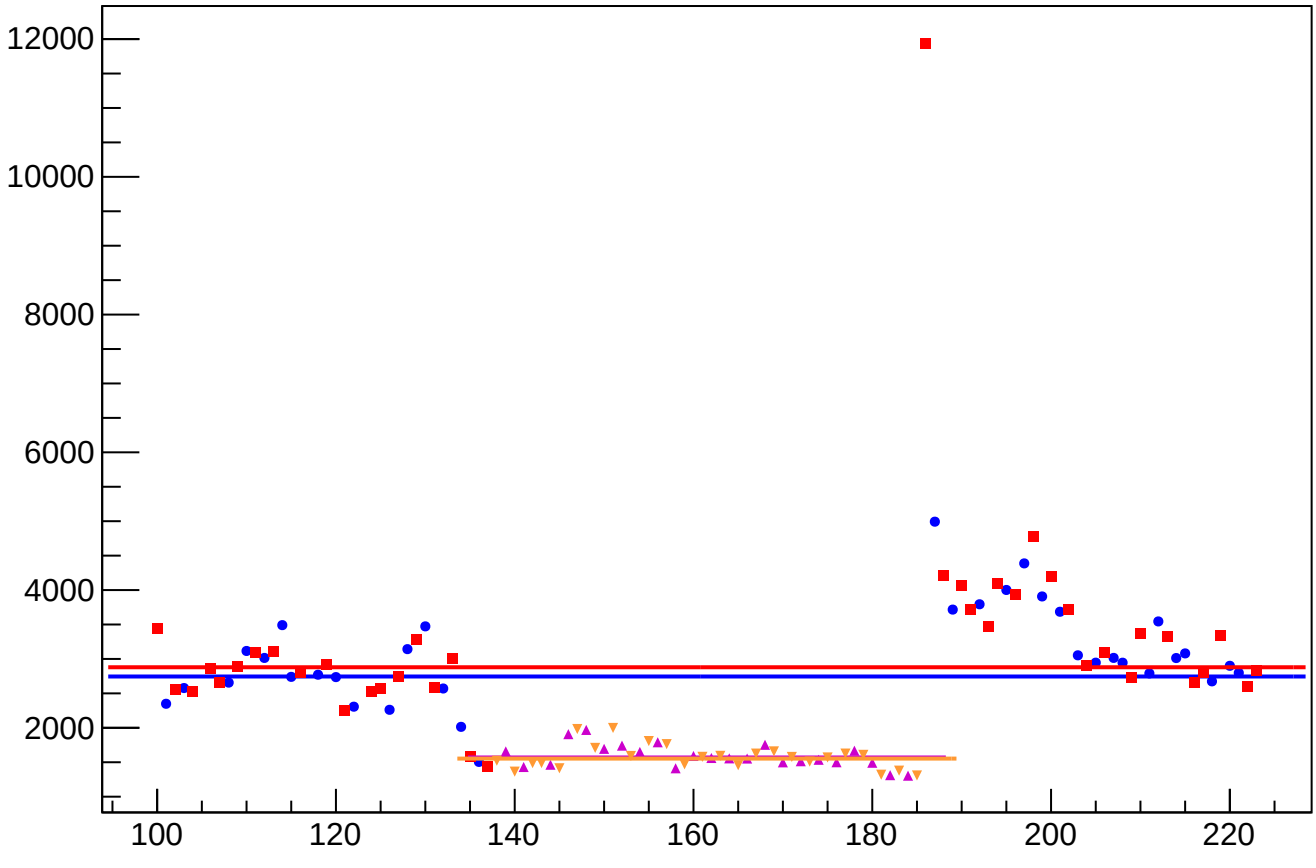
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -775.852+/-434.146 χ^2/NDF: 99.1/72

In: -786.114+/-314.888 χ^2/NDF:90.0/56

Out: -195.669+/-308.844 χ^2/NDF:81.6/63

All: -485.171+/-220.492 χ^2/NDF: 173.3/120



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

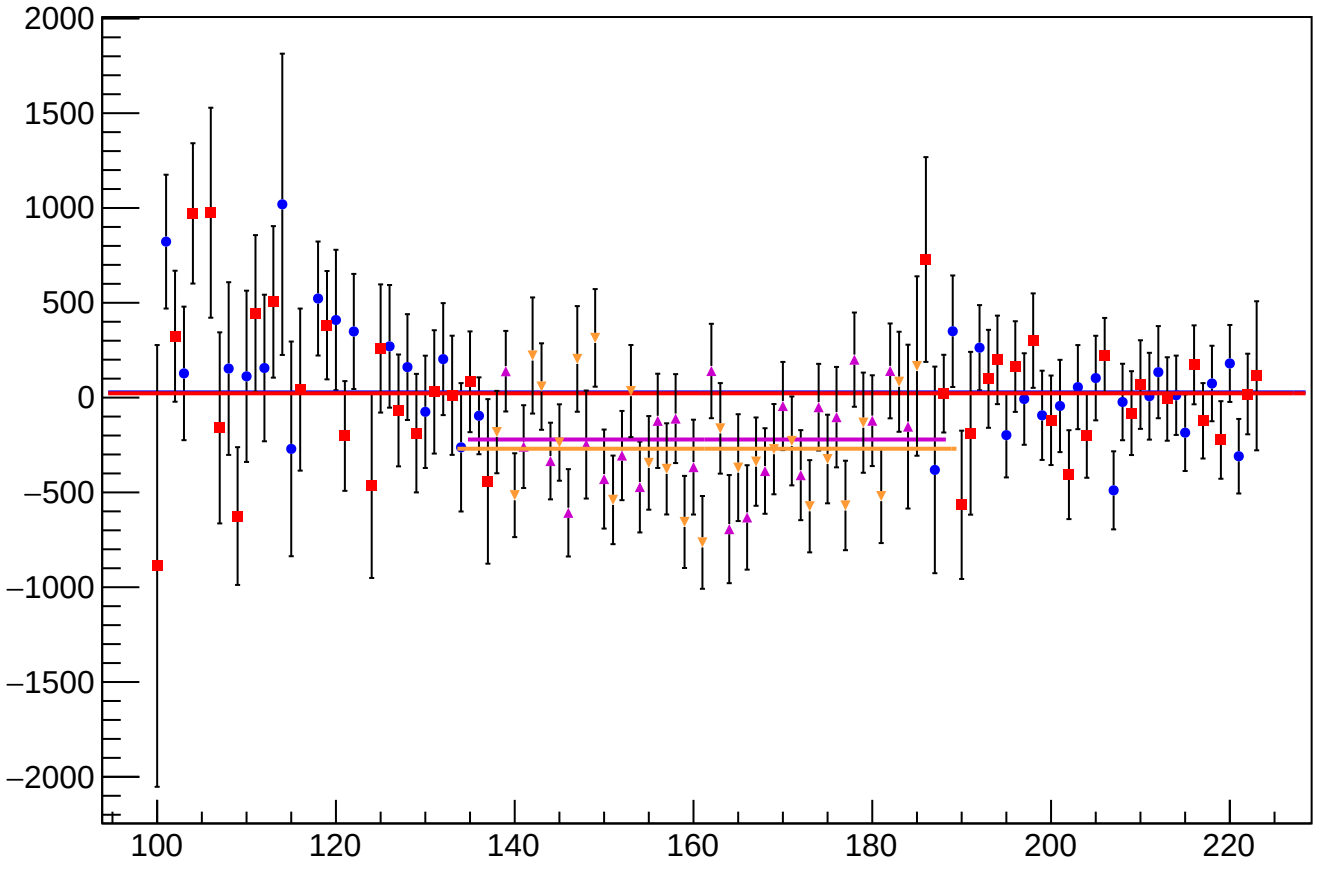
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2810.045+/-0.307 χ^2/NDF: 5680829.1/72

In: 1888.315+/-0.223 χ^2/NDF:8502615.1/56

Out: 1878.080+/-0.218 χ^2/NDF:10233049.3/63

All: 1883.098+/-0.156 χ^2/NDF: 18736741.4/1



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

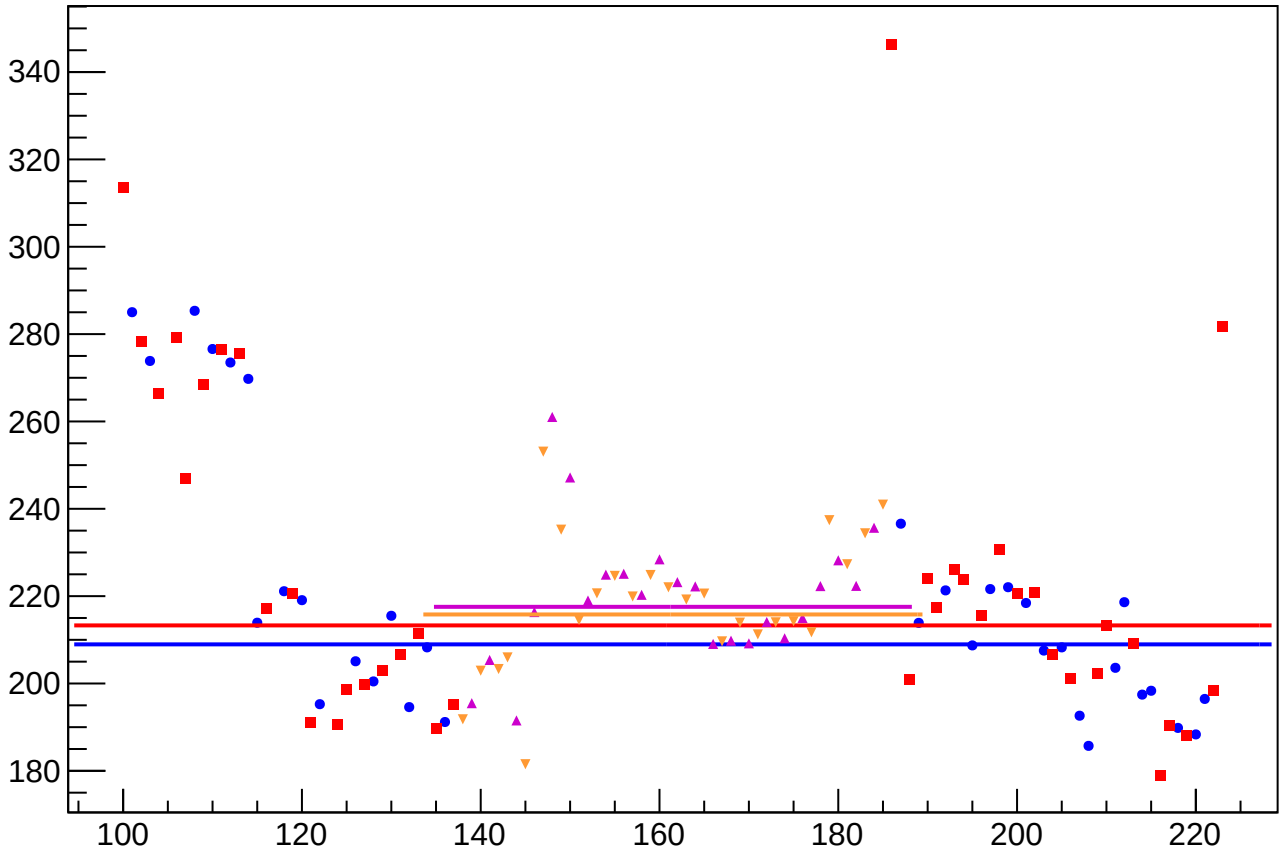
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 25.067+/-31.727 χ^2/NDF: 67.2/72

In: -80.705+/-33.630 χ^2/NDF:66.9/56

Out: -110.572+/-33.182 χ^2/NDF:87.8/63

All: -95.839+/-23.620 χ^2/NDF: 155.1/120



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

Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

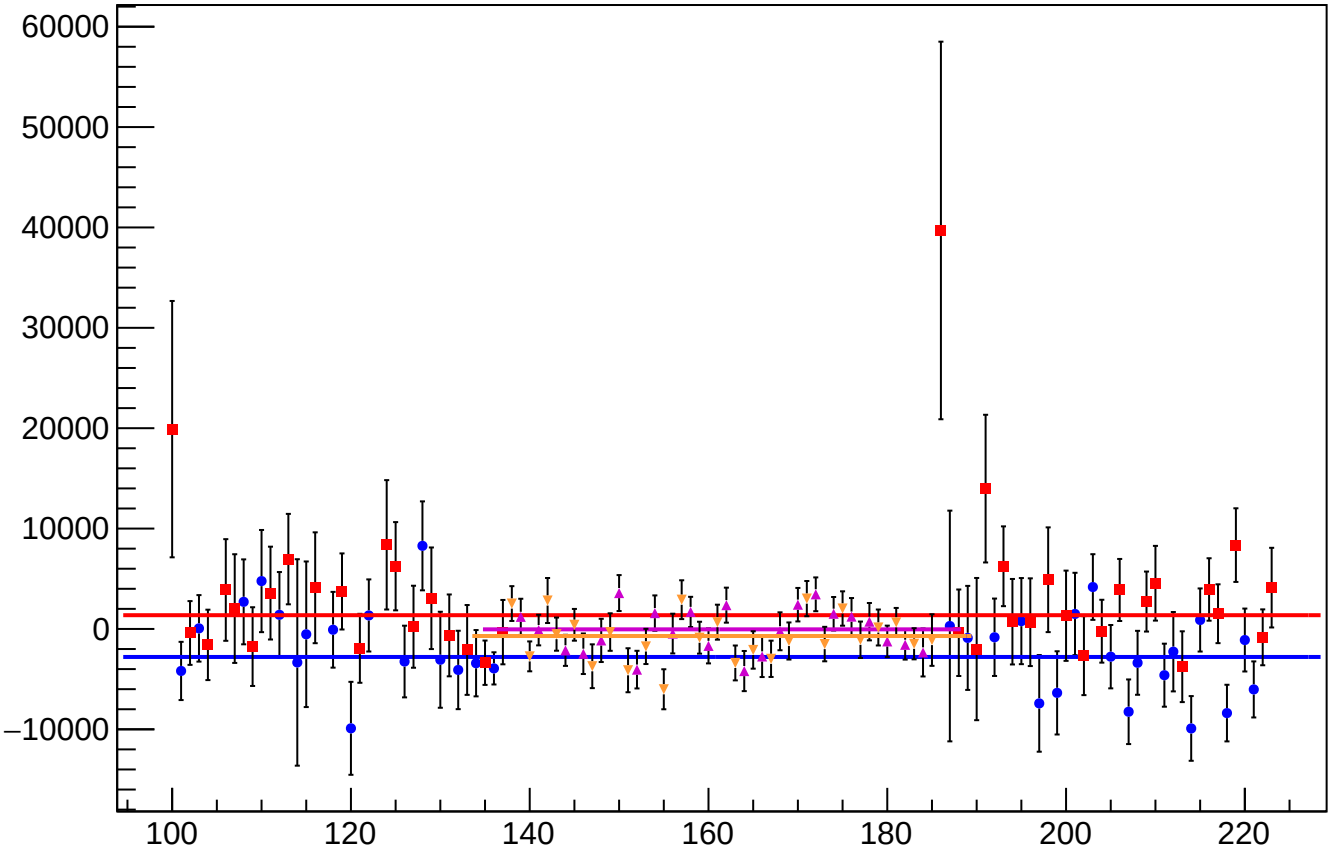
Right: 211.119+/-0.022 χ^2/NDF: 1201920.7/72

In: 212.702+/-0.024 χ^2/NDF:683596.5/56

Out: 214.442+/-0.023 χ^2/NDF:893689.6/63

All: 213.584+/-0.017 χ^2/NDF: 1579998.4/120

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

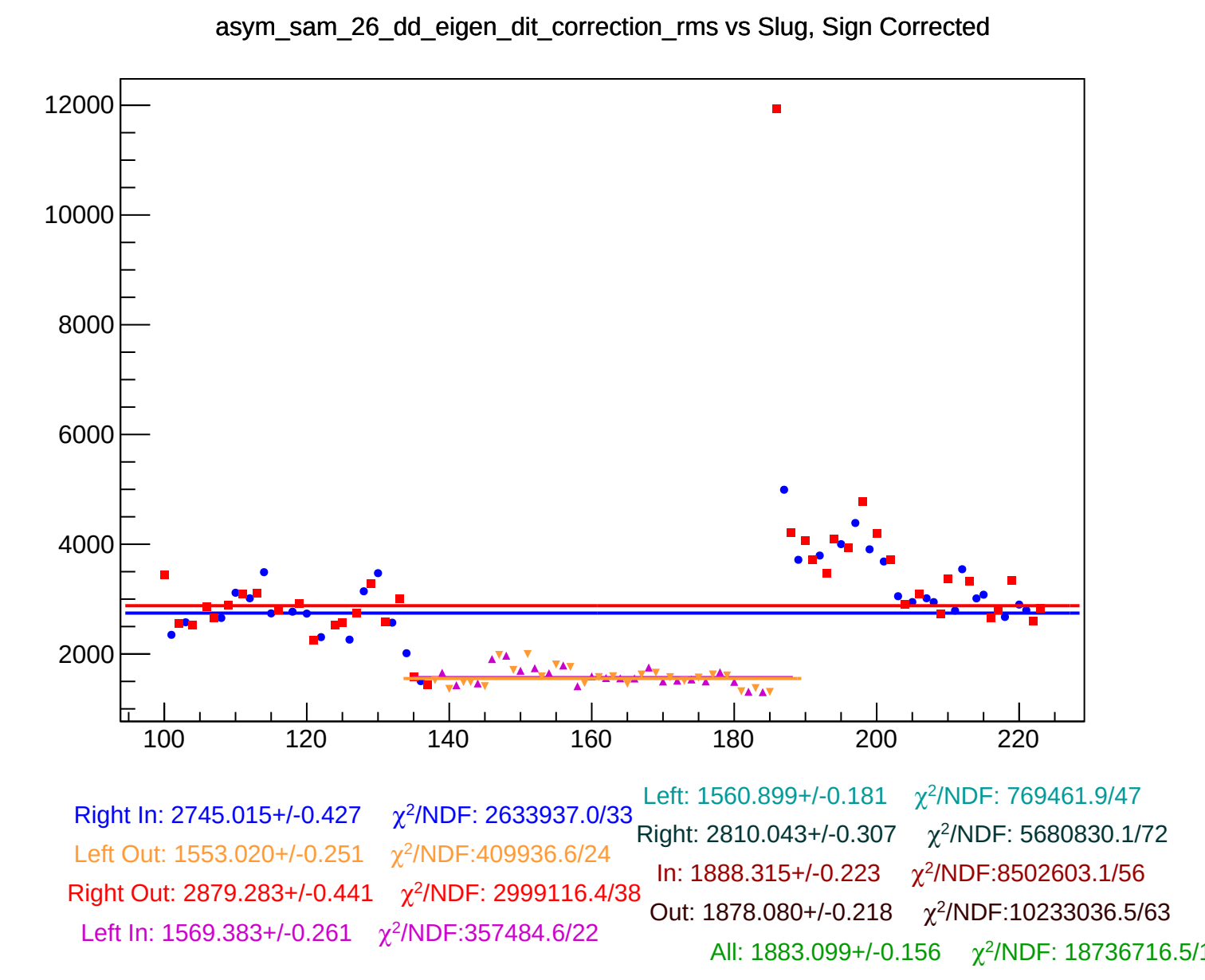
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -775.852+/-434.146 χ^2/NDF: 99.1/72

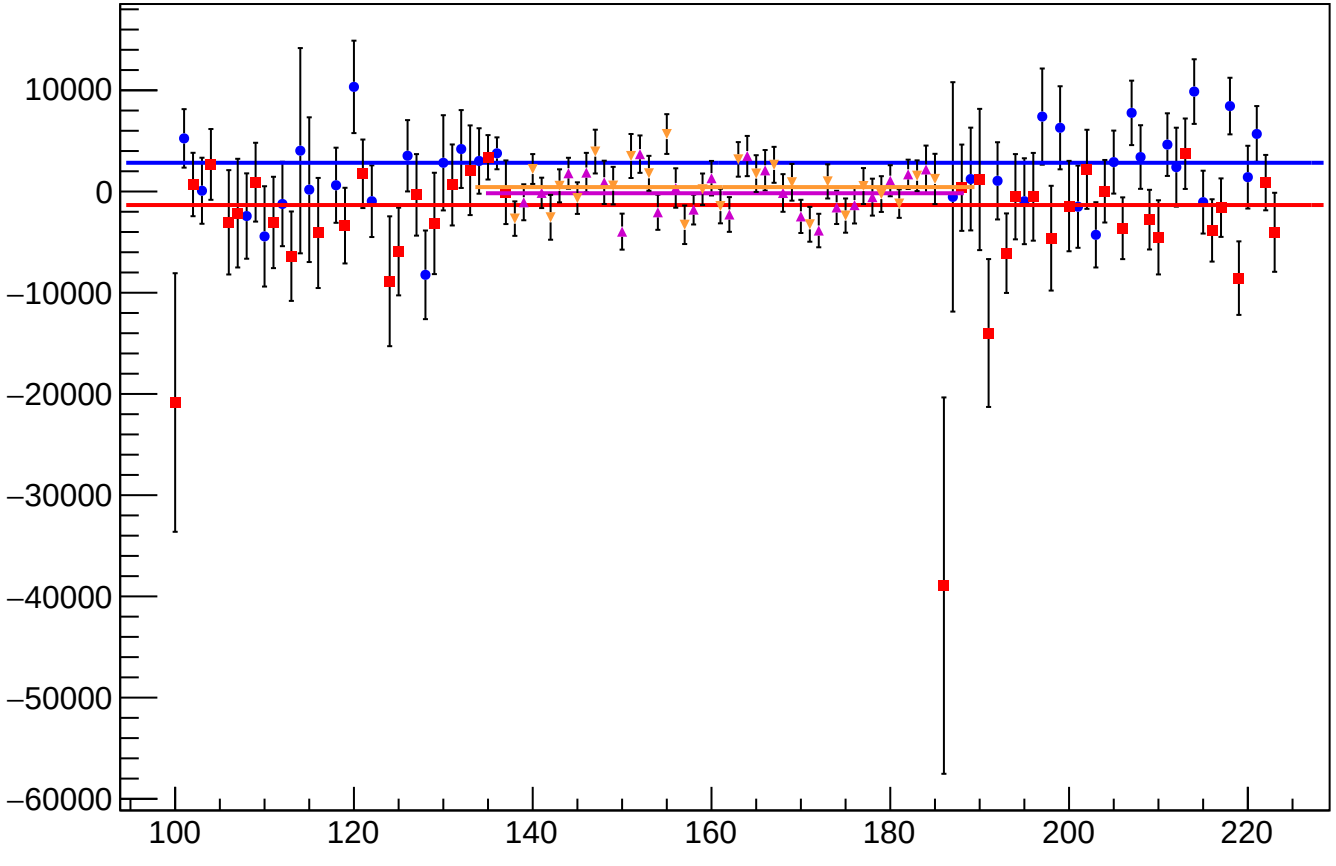
In: -786.113+/-314.888 χ^2/NDF:90.0/56

Out: -195.669+/-308.844 χ^2/NDF:81.6/63

All: -485.170+/-220.492 χ^2/NDF: 173.3/120


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 2745.015+/-0.427 χ²/NDF: 2633937.0/33
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2879.283+/-0.441 χ²/NDF: 2999116.4/38
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
Left: 1560.899+/-0.181 χ²/NDF: 769461.9/47
Right: 2810.043+/-0.307 χ²/NDF: 5680830.1/72
In: 1888.315+/-0.223 χ²/NDF:8502603.1/56
Out: 1878.080+/-0.218 χ²/NDF:10233036.5/63
All: 1883.099+/-0.156 χ²/NDF: 18736716.5/

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

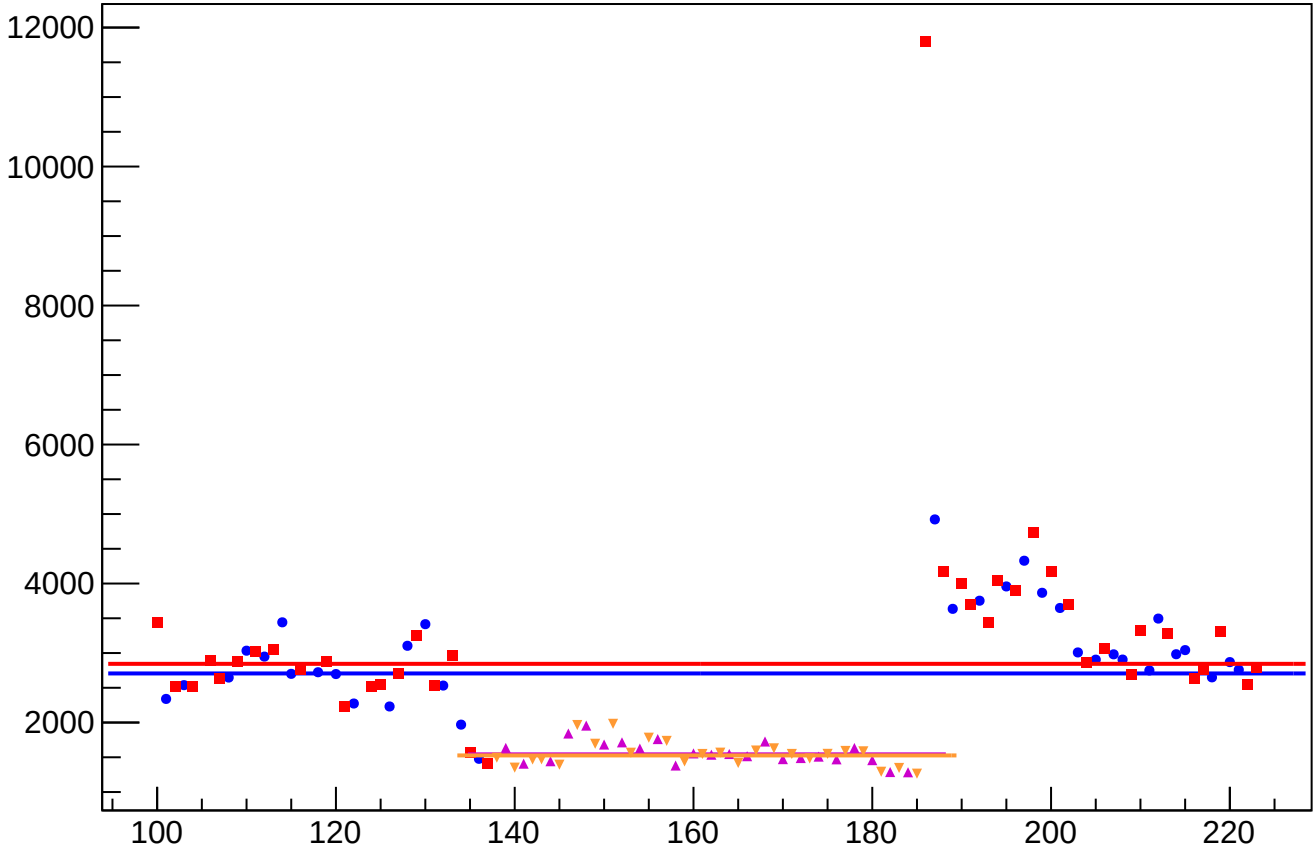
Right: 820.659+/-428.592 χ^2/NDF: 99.9/72

In: 642.133+/-309.788 χ^2/NDF:92.3/56

Out: 5.980+/-304.085 χ^2/NDF:80.6/63

All: 318.147+/-217.009 χ^2/NDF: 175.0/120

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

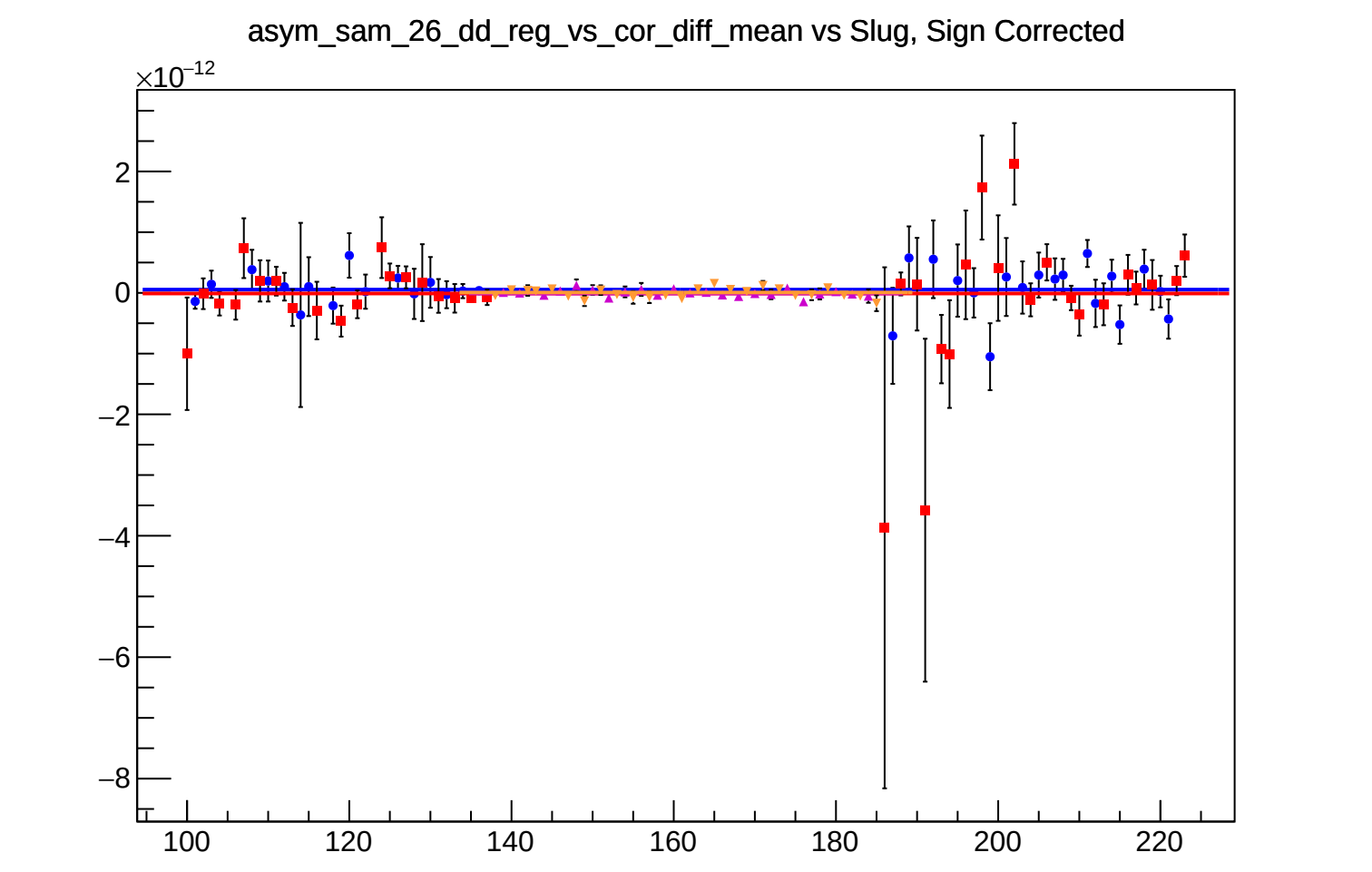
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2773.101+/-0.303 χ^2/NDF: 5722797.7/72

In: 1856.411+/-0.219 χ^2/NDF:8587466.9/56

Out: 1847.408+/-0.215 χ^2/NDF:10355089.0/63

All: 1851.825+/-0.153 χ^2/NDF: 18943416.2/1



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

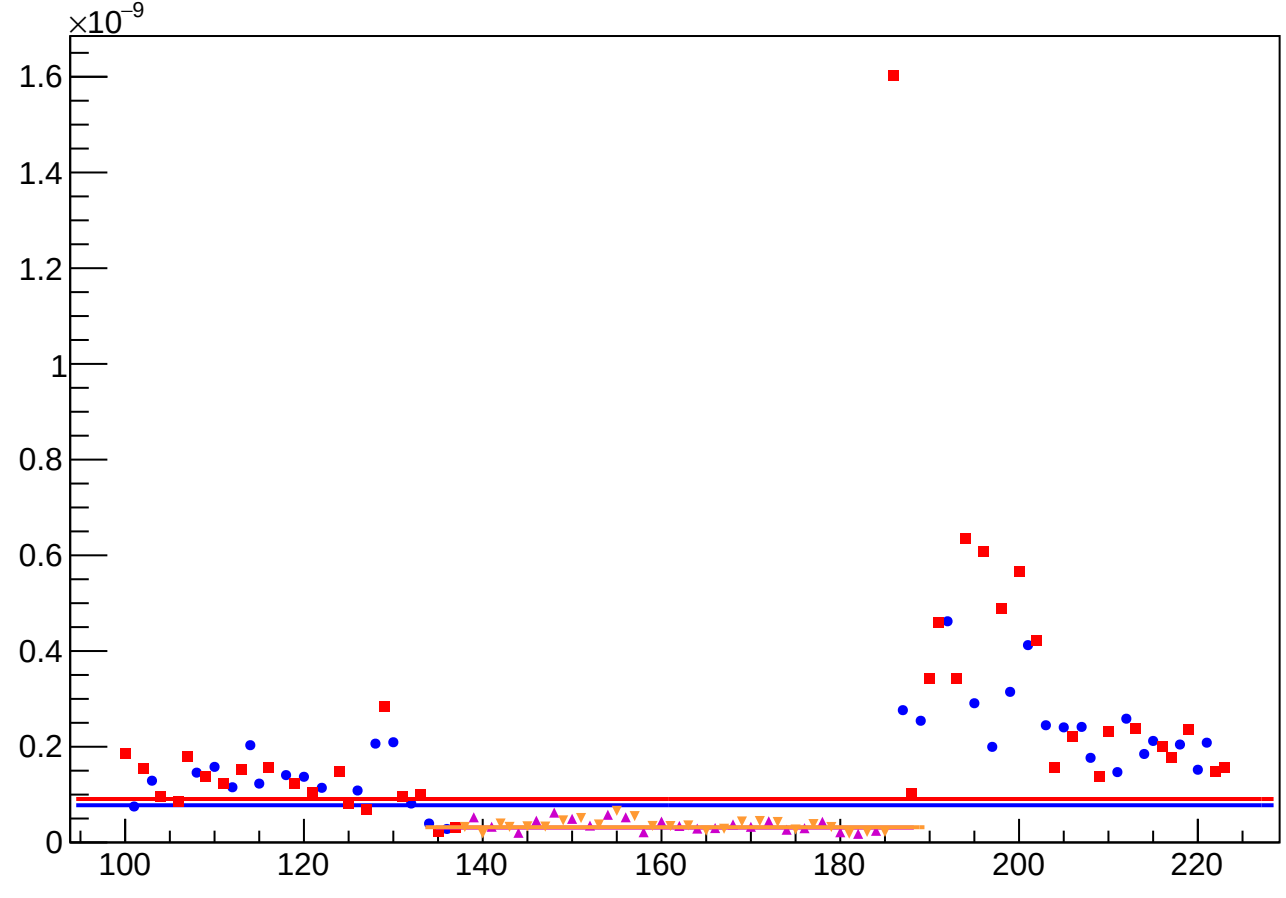
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 83.7/72

In: -0.000+/-0.000 χ^2/NDF:51.9/56

Out: 0.000+/-0.000 χ^2/NDF:81.4/63

All: 0.000+/-0.000 χ^2/NDF: 133.4/120



Right In: 0.000+/-0.000 χ^2/NDF: 9449922.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9319484.8/38

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

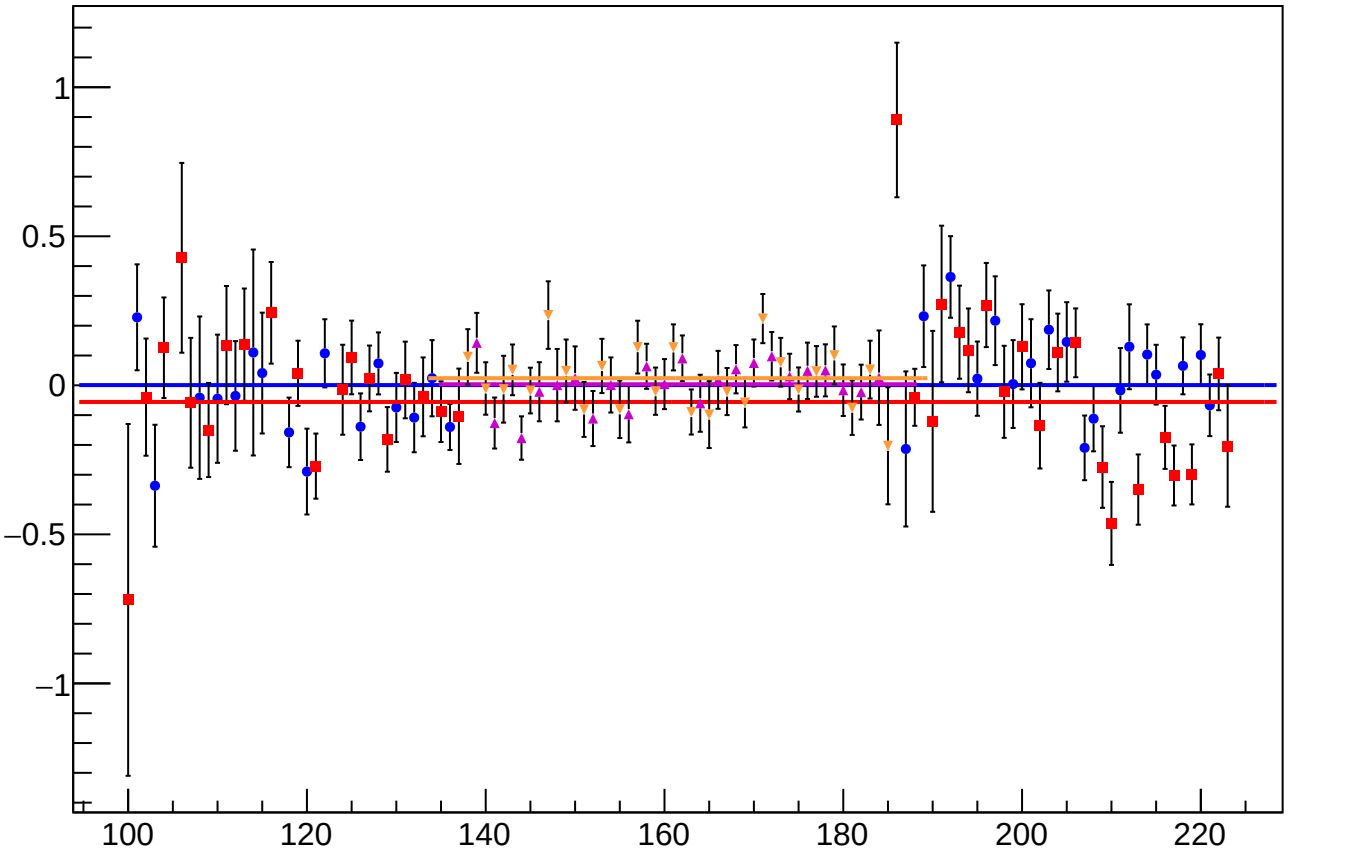
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18902683.4/72

In: 0.000+/-0.000 χ^2/NDF:14481470.2/56

Out: 0.000+/-0.000 χ^2/NDF:14927636.6/63

All: 0.000+/-0.000 χ^2/NDF: 29410592.7/120



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

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

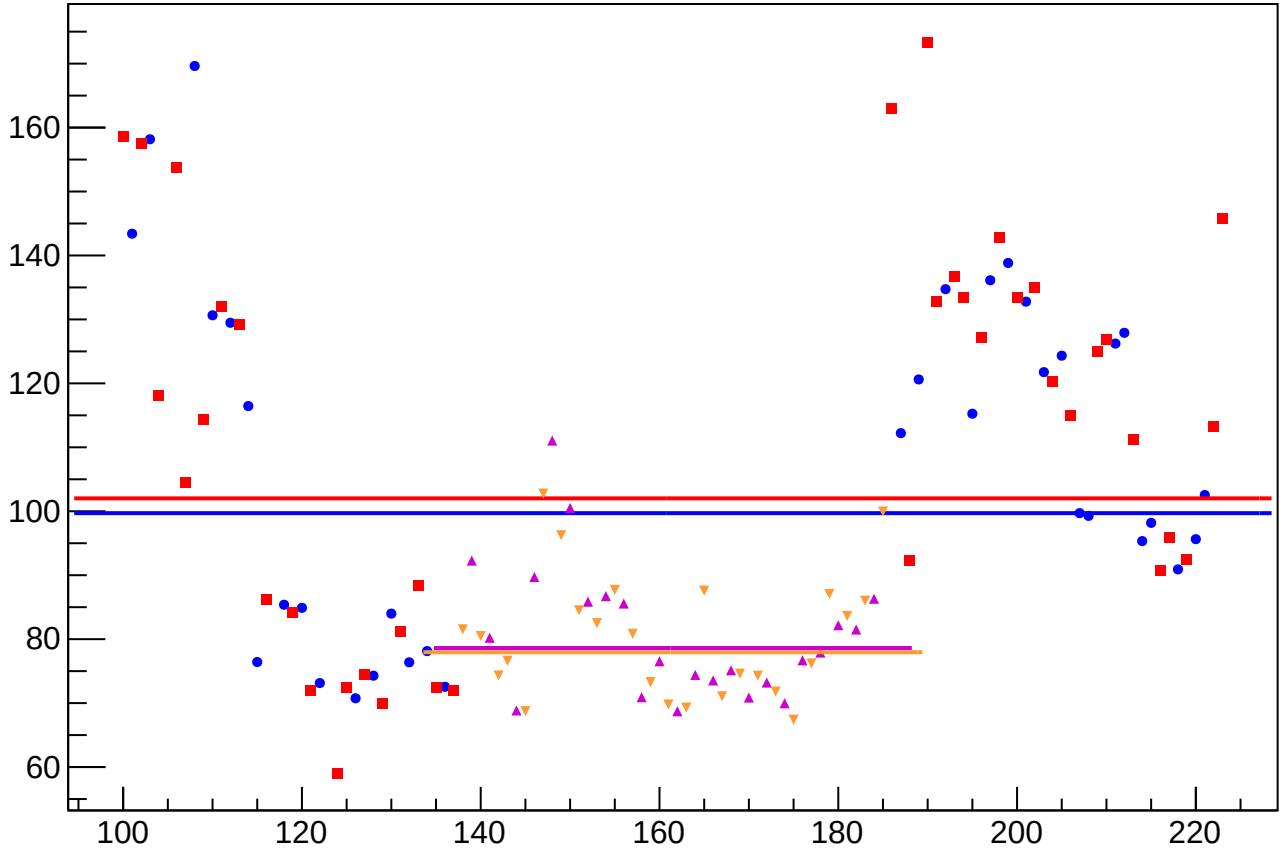
Right: -0.027+/-0.016 χ^2/NDF: 126.0/72

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:114.3/63

All: -0.003+/-0.010 χ^2/NDF: 175.2/120

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

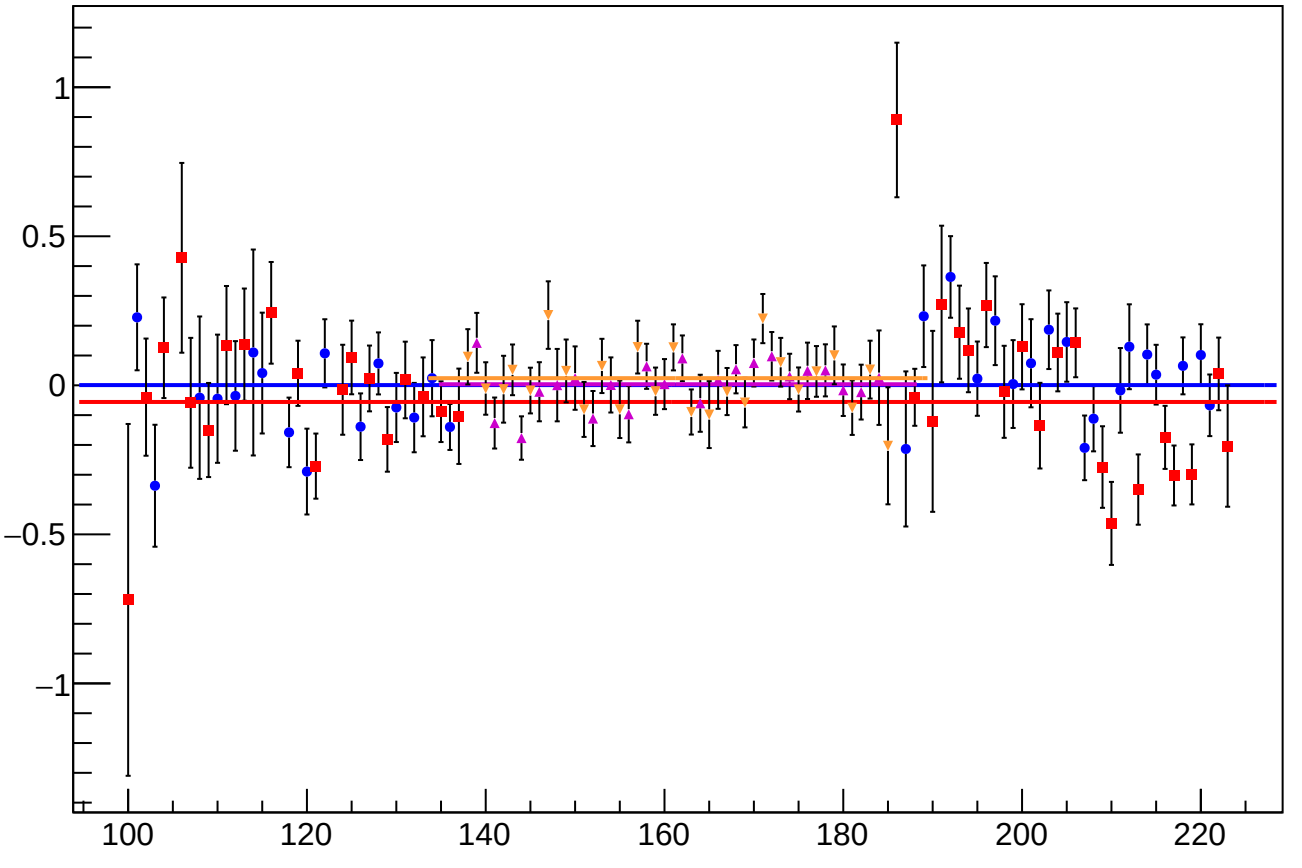
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.848+/-0.011 χ^2/NDF: 4929044.5/72

In: 87.422+/-0.010 χ^2/NDF:3807643.2/56

Out: 87.440+/-0.010 χ^2/NDF:4556664.0/63

All: 87.431+/-0.007 χ^2/NDF: 8364308.8/120



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

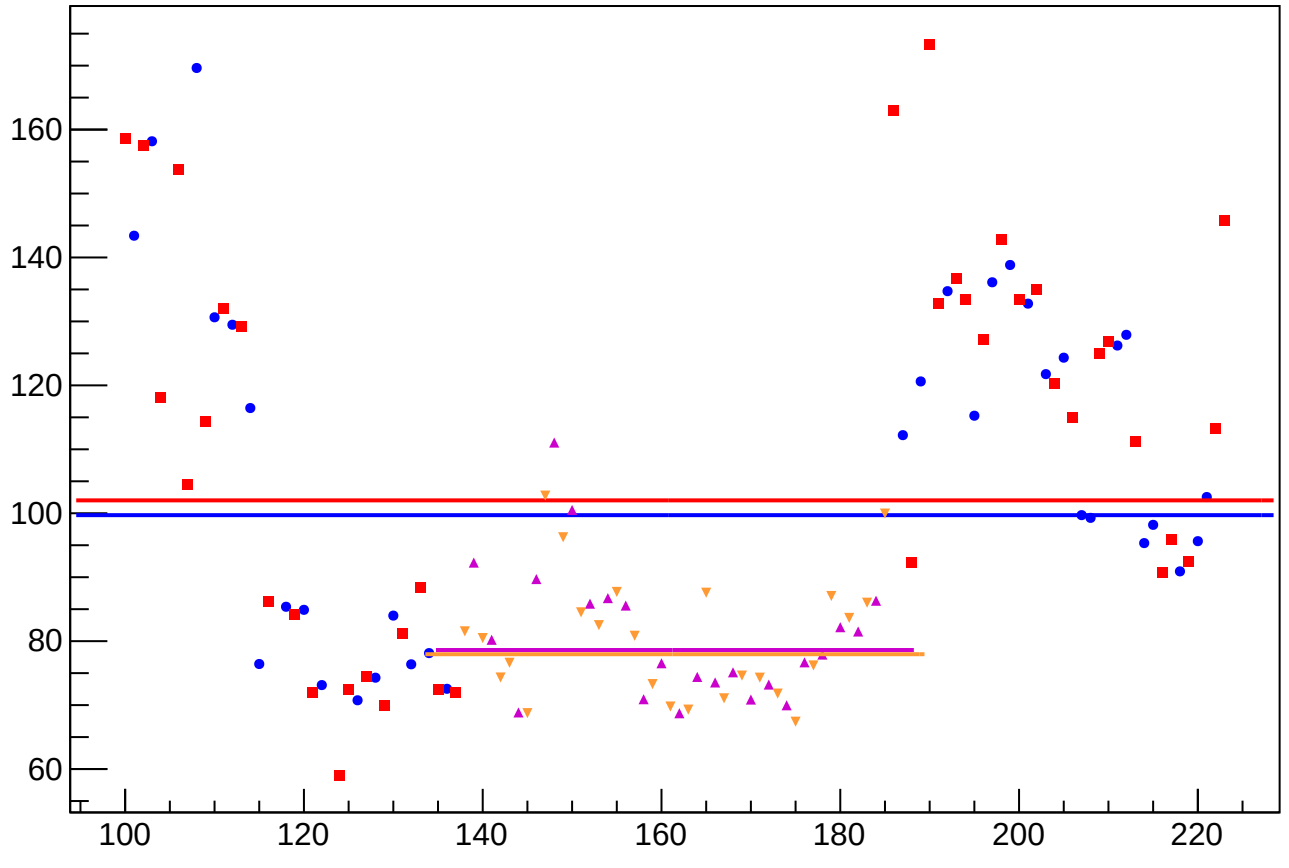
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.027+/-0.016 χ^2/NDF: 126.0/72

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:114.3/63

All: -0.003+/-0.010 χ^2/NDF: 175.2/120



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

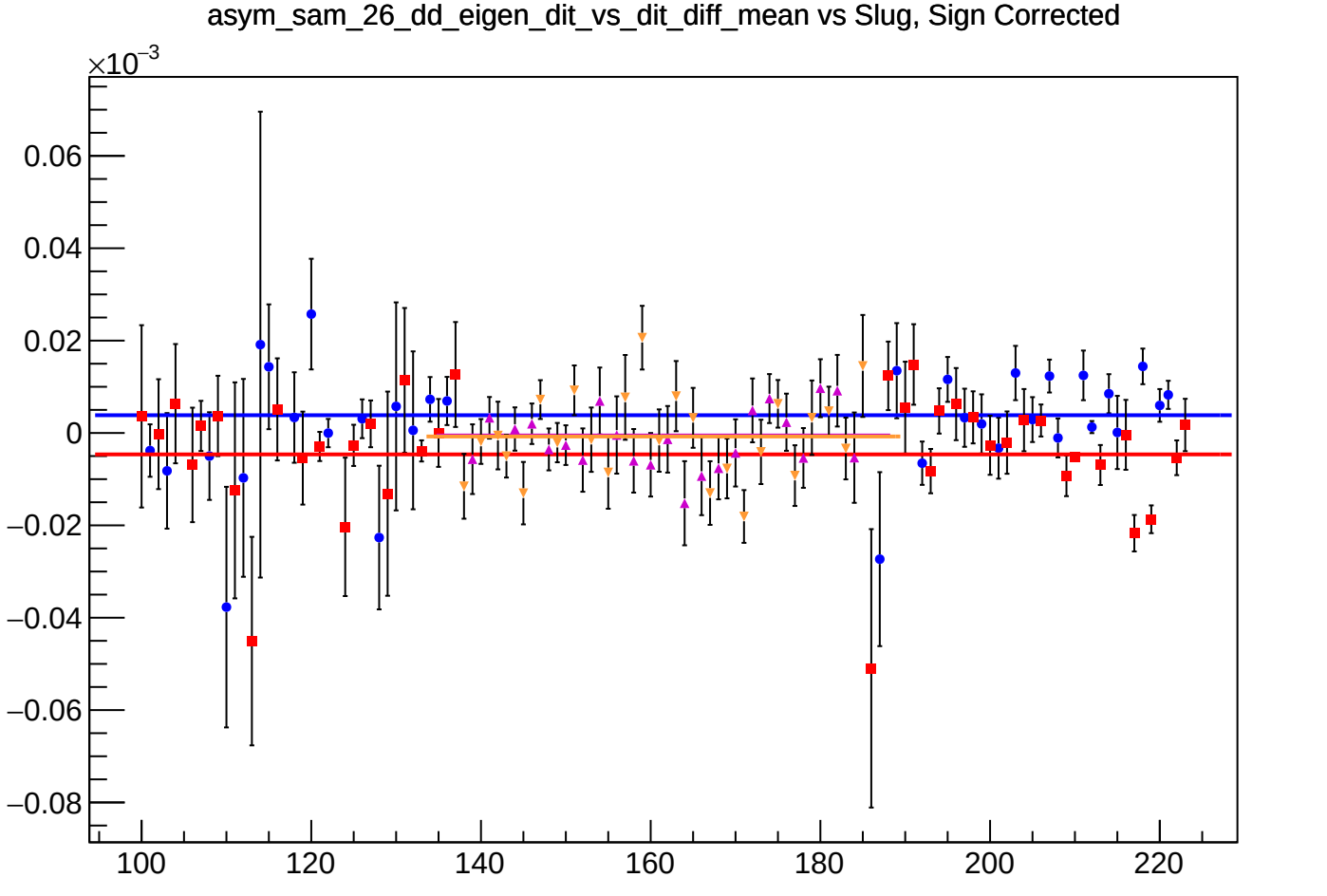
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

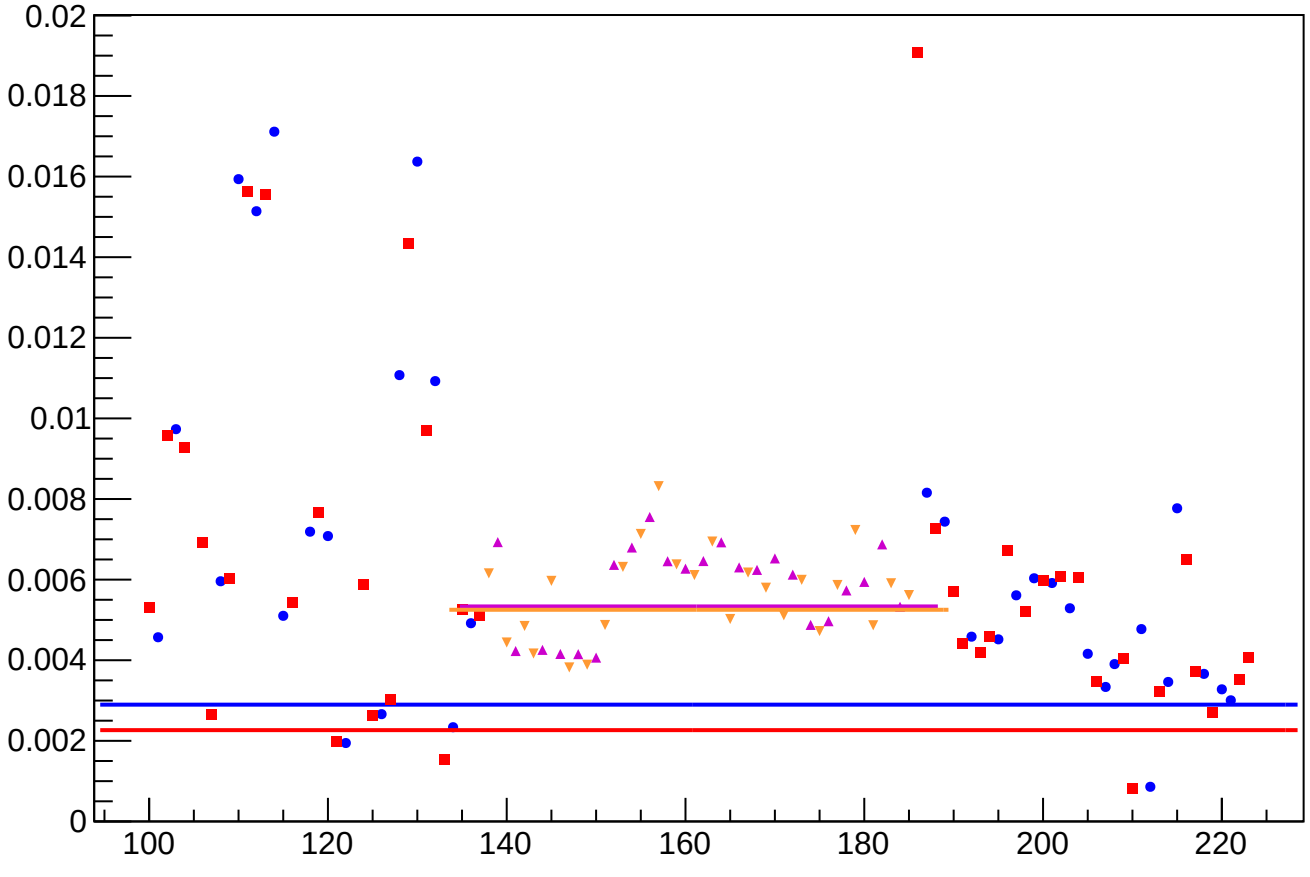
Right: 100.848+/-0.011 χ^2/NDF: 4929044.5/72

In: 87.422+/-0.010 χ^2/NDF:3807643.2/56

Out: 87.440+/-0.010 χ^2/NDF:4556664.0/63

All: 87.431+/-0.007 χ^2/NDF: 8364308.8/120


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
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: 55.6/33
Left Out: -0.000+/-0.000 χ²/NDF:47.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 86.4/38
Left In: -0.000+/-0.000 χ²/NDF:18.6/22
Left: -0.000+/-0.000 χ²/NDF: 66.2/47
Right: -0.000+/-0.000 χ²/NDF: 212.7/72
In: 0.000+/-0.000 χ²/NDF:82.9/56
Out: -0.000+/-0.000 χ²/NDF:141.8/63
All: -0.000+/-0.000 χ²/NDF: 279.2/120



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

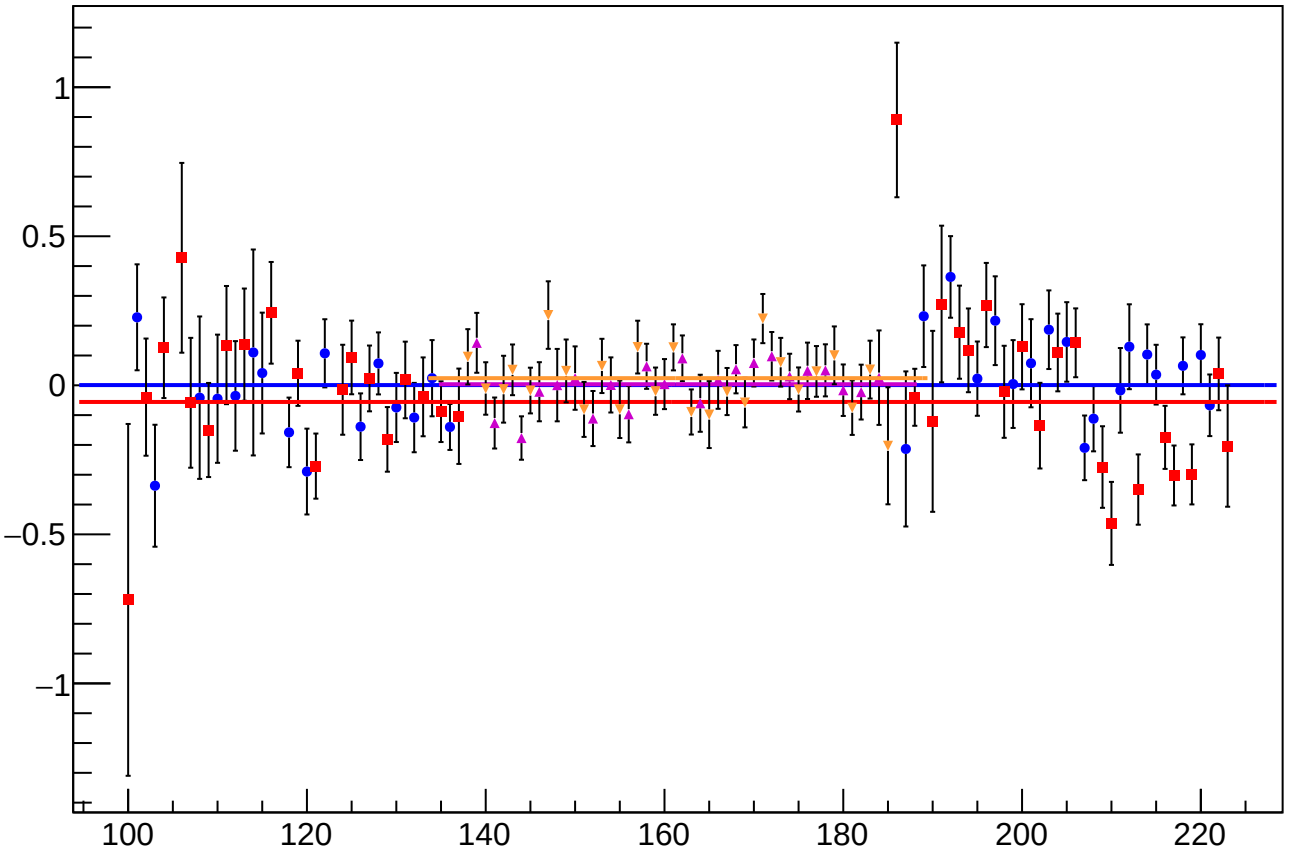
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.003+/-0.000 χ^2/NDF: 33783401.6/72

In: 0.004+/-0.000 χ^2/NDF:20889270.6/56

Out: 0.003+/-0.000 χ^2/NDF:29749376.9/63

All: 0.003+/-0.000 χ^2/NDF: 51722059.3/120



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

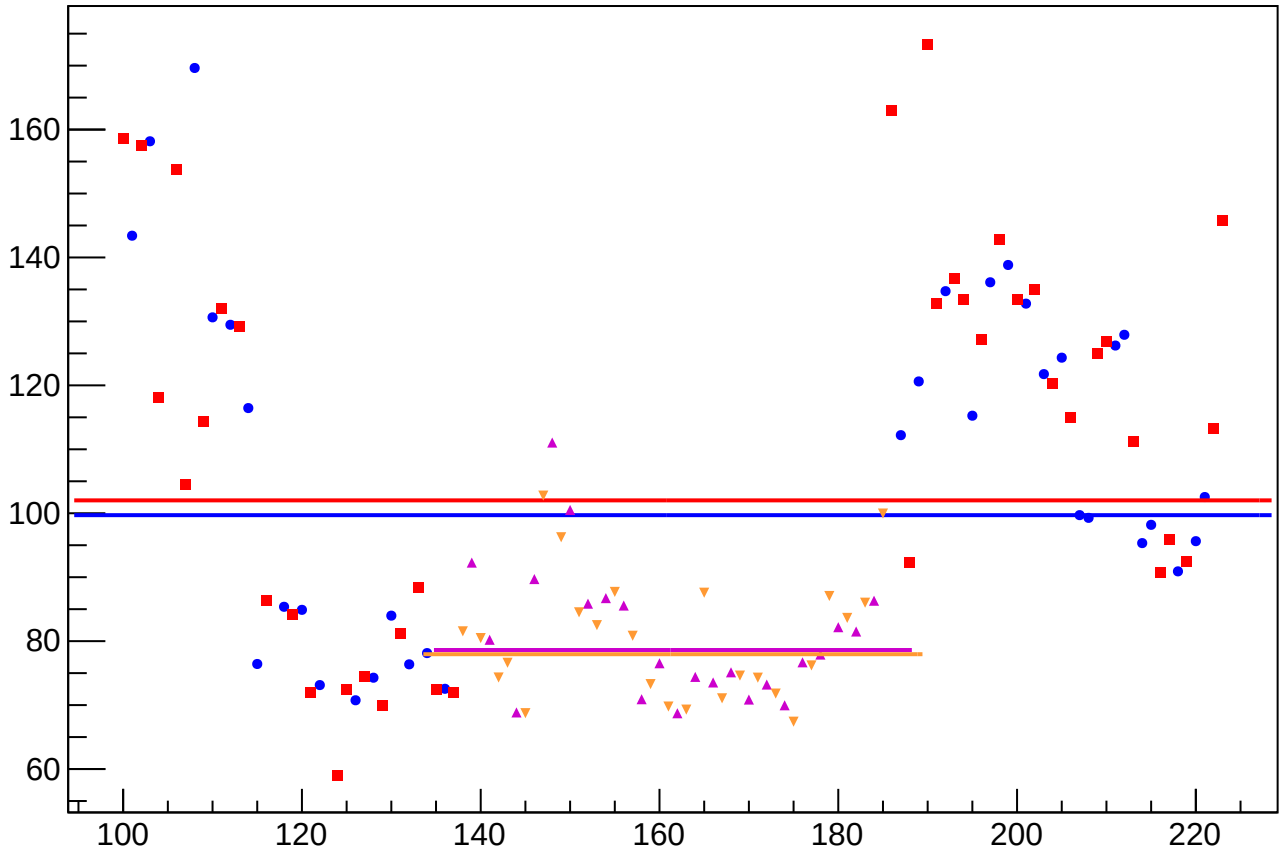
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.027+/-0.016 χ^2/NDF: 126.0/72

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:114.3/63

All: -0.003+/-0.010 χ^2/NDF: 175.2/120



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

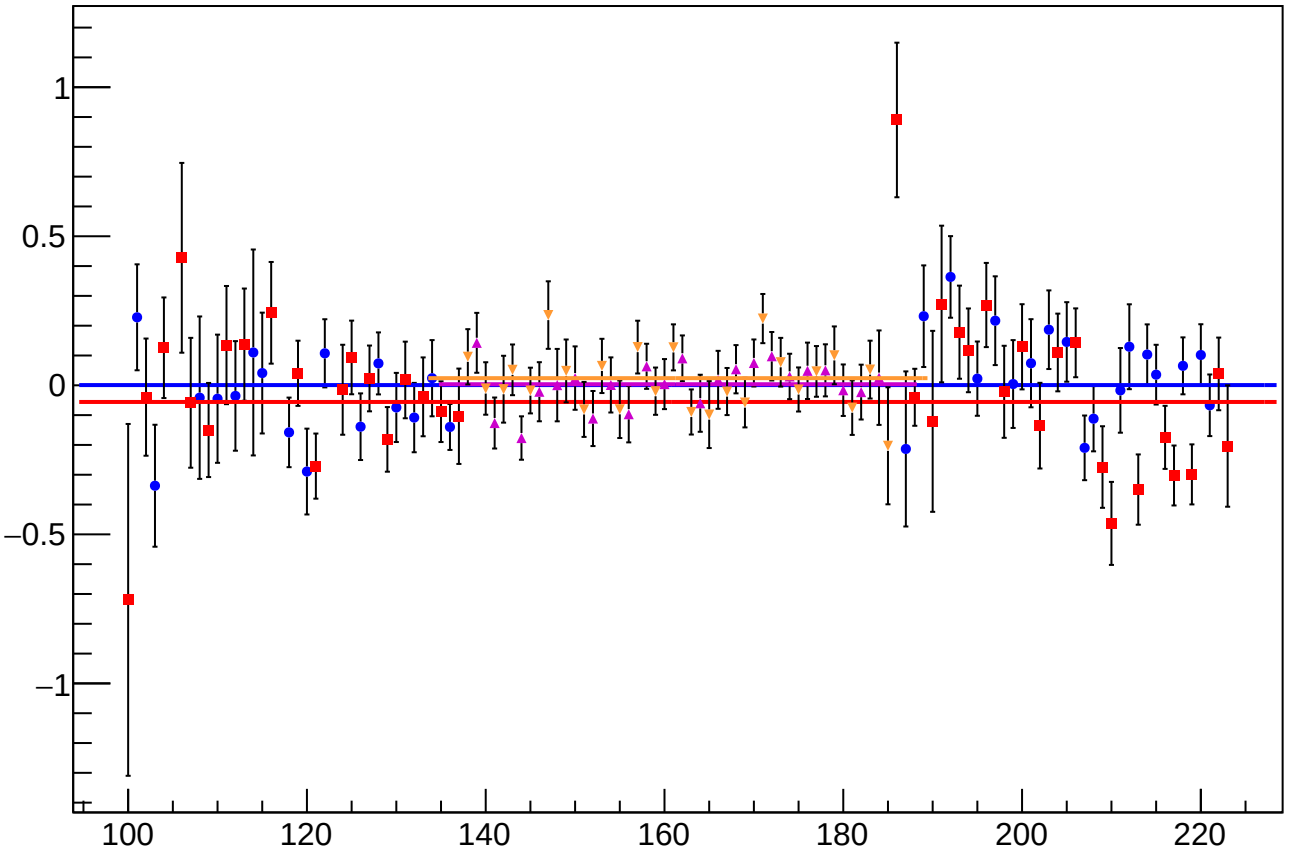
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 100.847+/-0.011 χ^2/NDF: 4929304.7/72

In: 87.421+/-0.010 χ^2/NDF:3807745.5/56

Out: 87.439+/-0.010 χ^2/NDF:4556735.8/63

All: 87.430+/-0.007 χ^2/NDF: 8364482.9/120



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

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

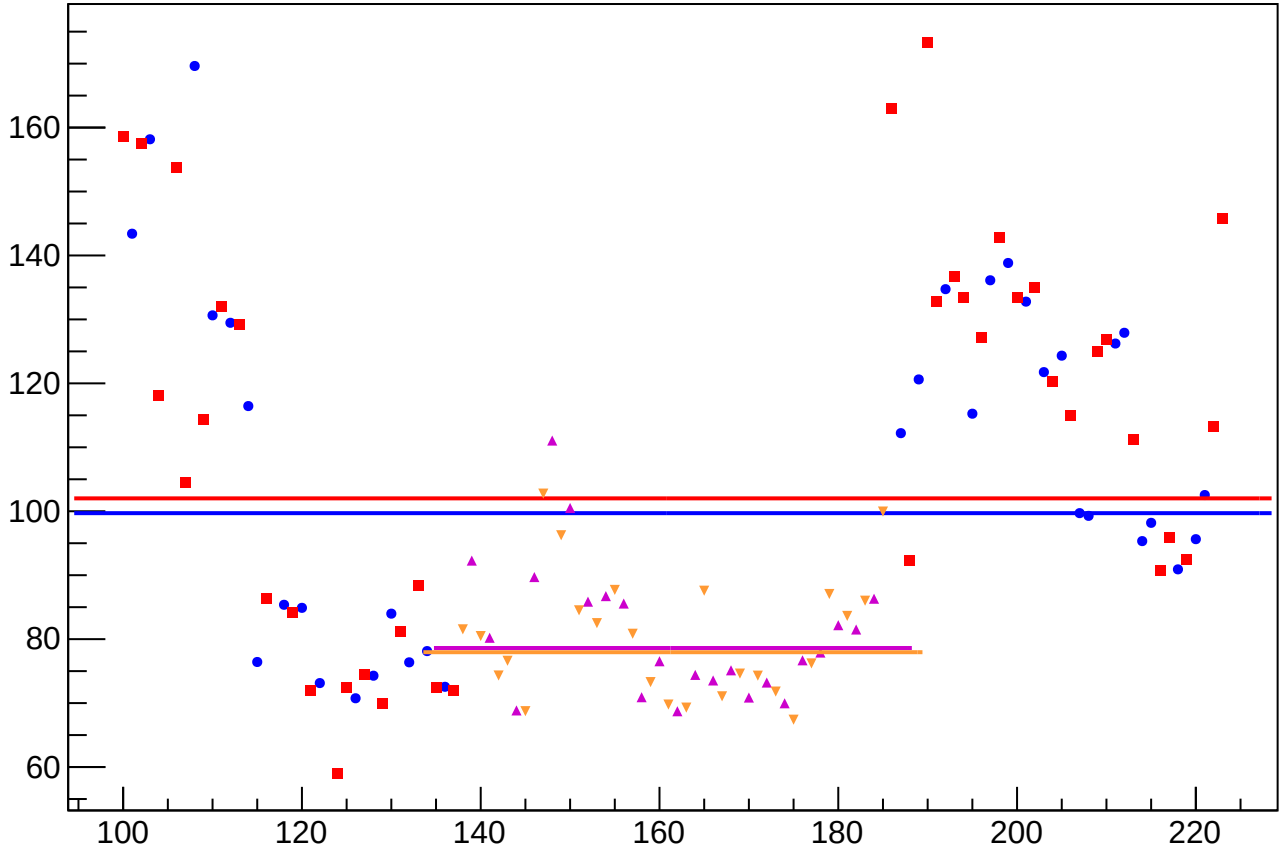
Right: -0.027+/-0.016 χ^2/NDF: 126.0/72

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:114.3/63

All: -0.003+/-0.010 χ^2/NDF: 175.2/120

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

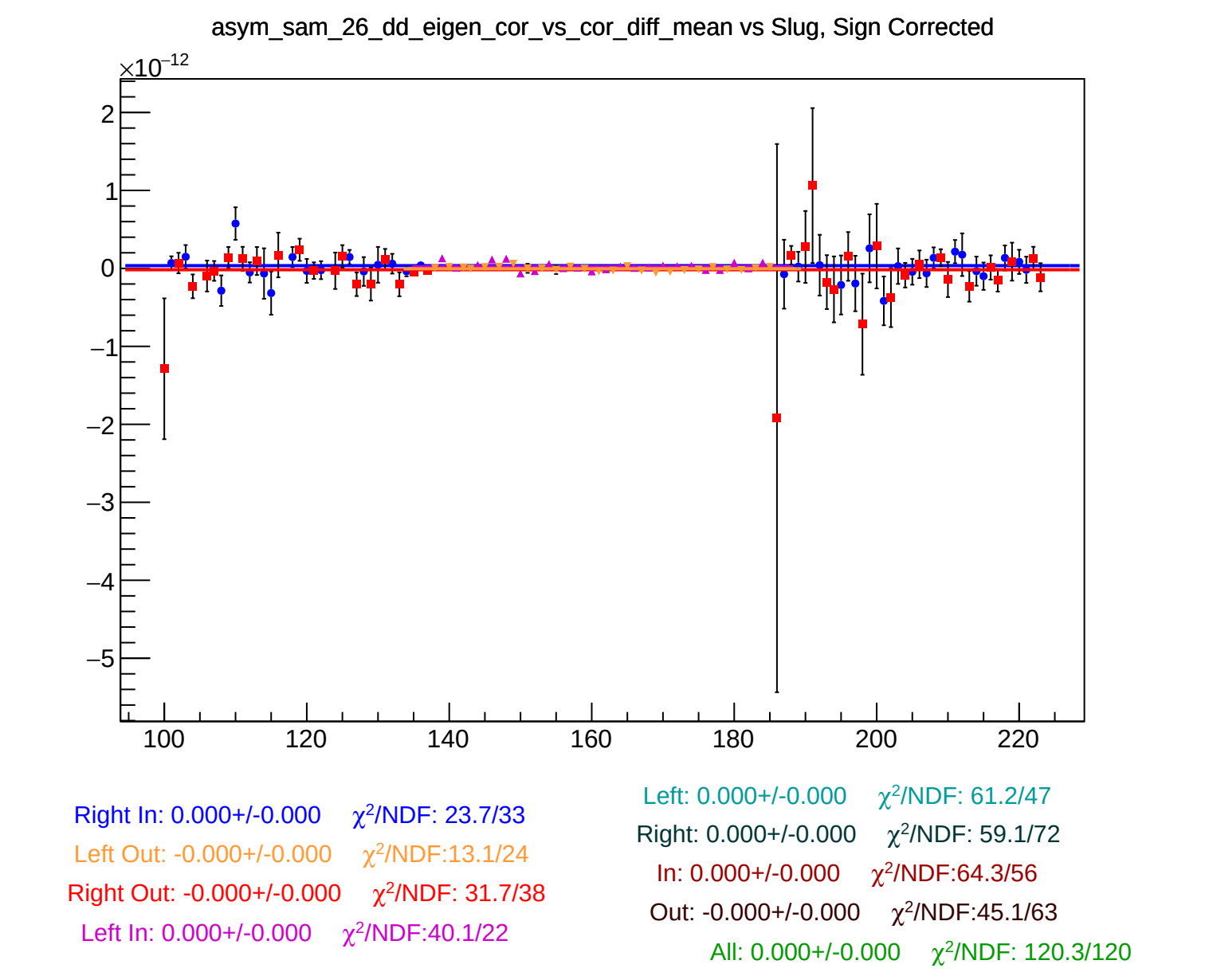
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

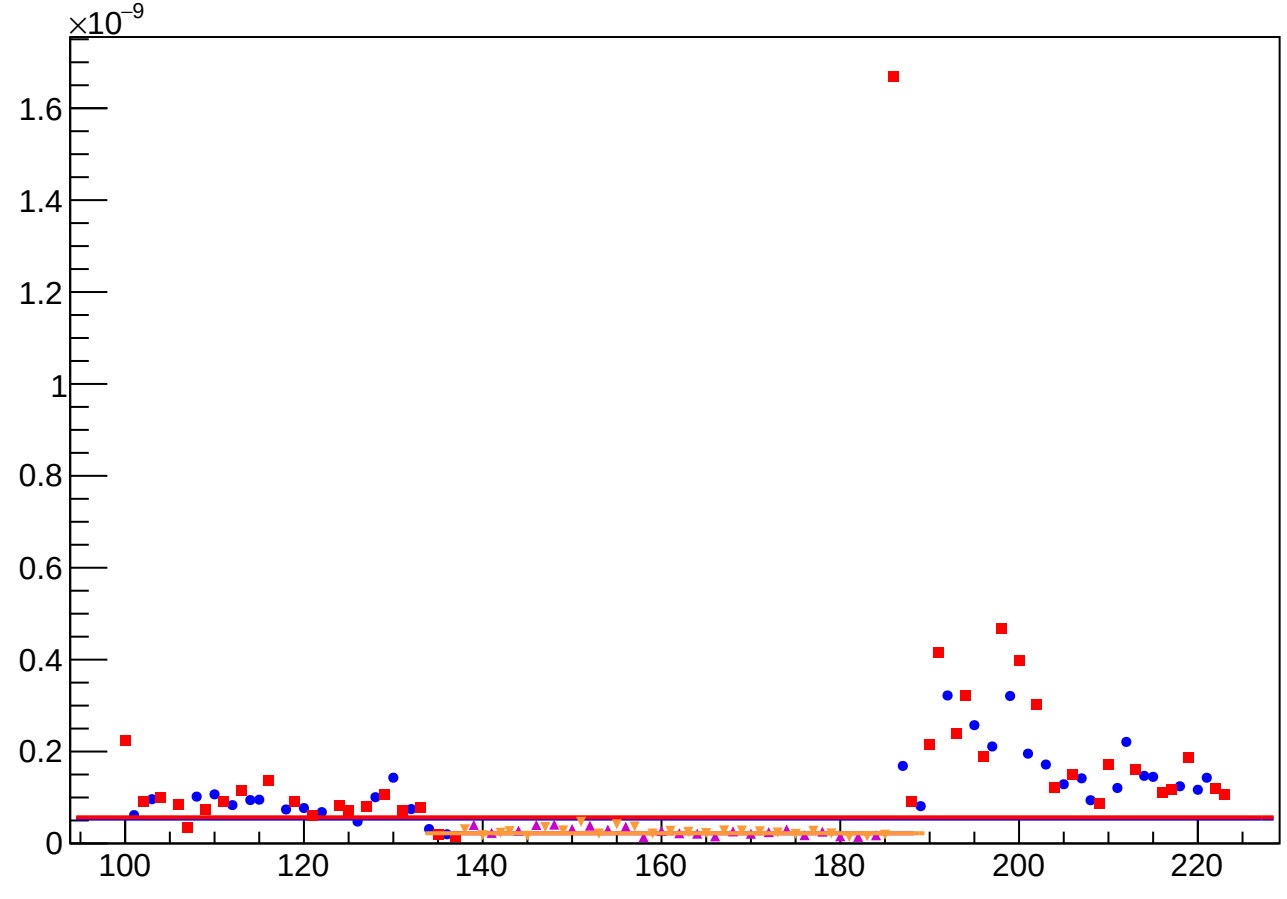
Right: 100.847+/-0.011 χ^2/NDF: 4929304.7/72

In: 87.421+/-0.010 χ^2/NDF:3807745.5/56

Out: 87.439+/-0.010 χ^2/NDF:4556735.8/63

All: 87.430+/-0.007 χ^2/NDF: 8364482.9/120


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 23.7/33
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.7/38
Left In: 0.000+/-0.000 χ²/NDF:40.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.2/47
Right: 0.000+/-0.000 χ²/NDF: 59.1/72
In: 0.000+/-0.000 χ²/NDF:64.3/56
Out: -0.000+/-0.000 χ²/NDF:45.1/63
All: 0.000+/-0.000 χ²/NDF: 120.3/120



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

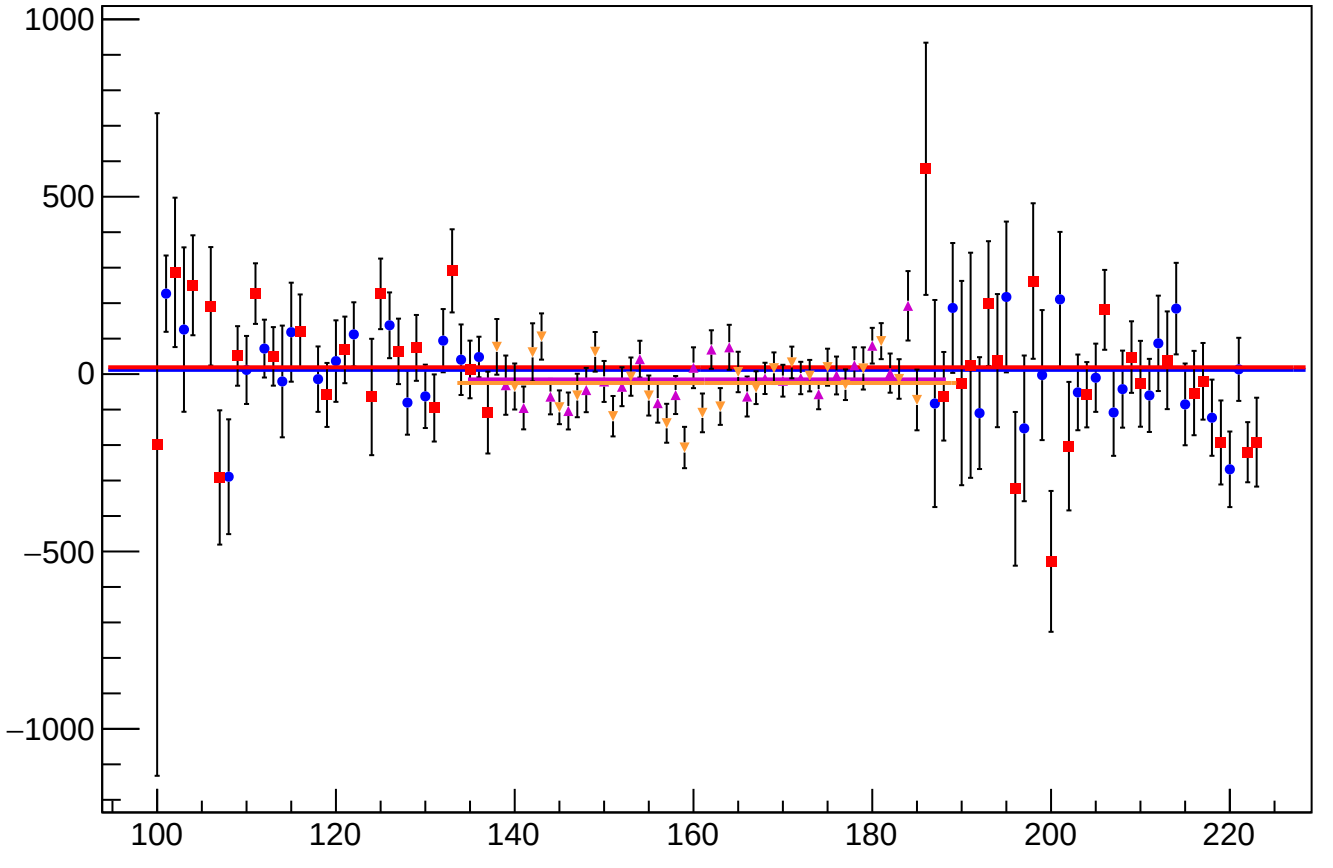
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 27539891.6/72

In: 0.000+/-0.000 χ^2/NDF:20952304.8/56

Out: 0.000+/-0.000 χ^2/NDF:22350319.5/63

All: 0.000+/-0.000 χ^2/NDF: 43302629.4/120



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

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

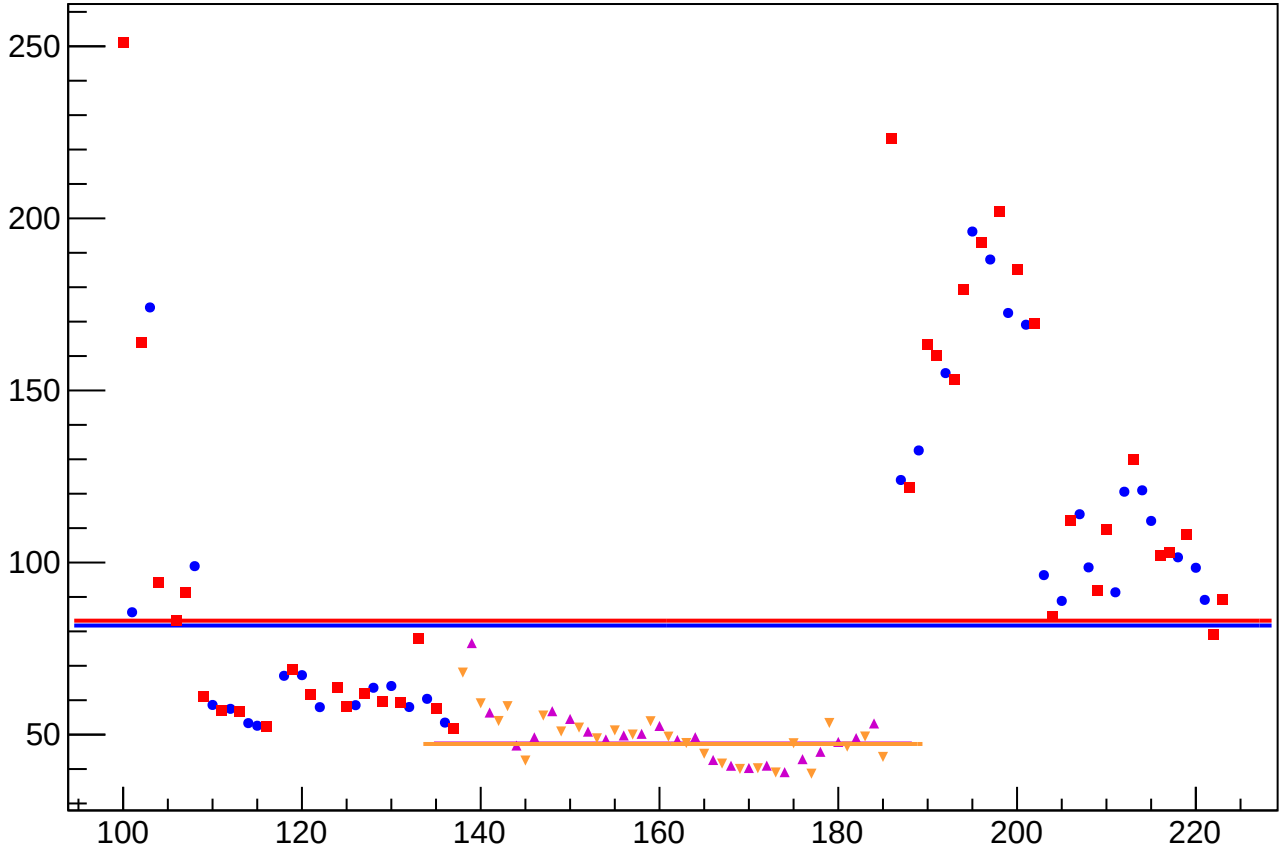
Right: 15.563+/-13.360 χ^2/NDF: 96.8/72

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -14.041+/-9.444 χ^2/NDF:111.1/63

All: -11.042+/-6.744 χ^2/NDF: 170.4/120

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

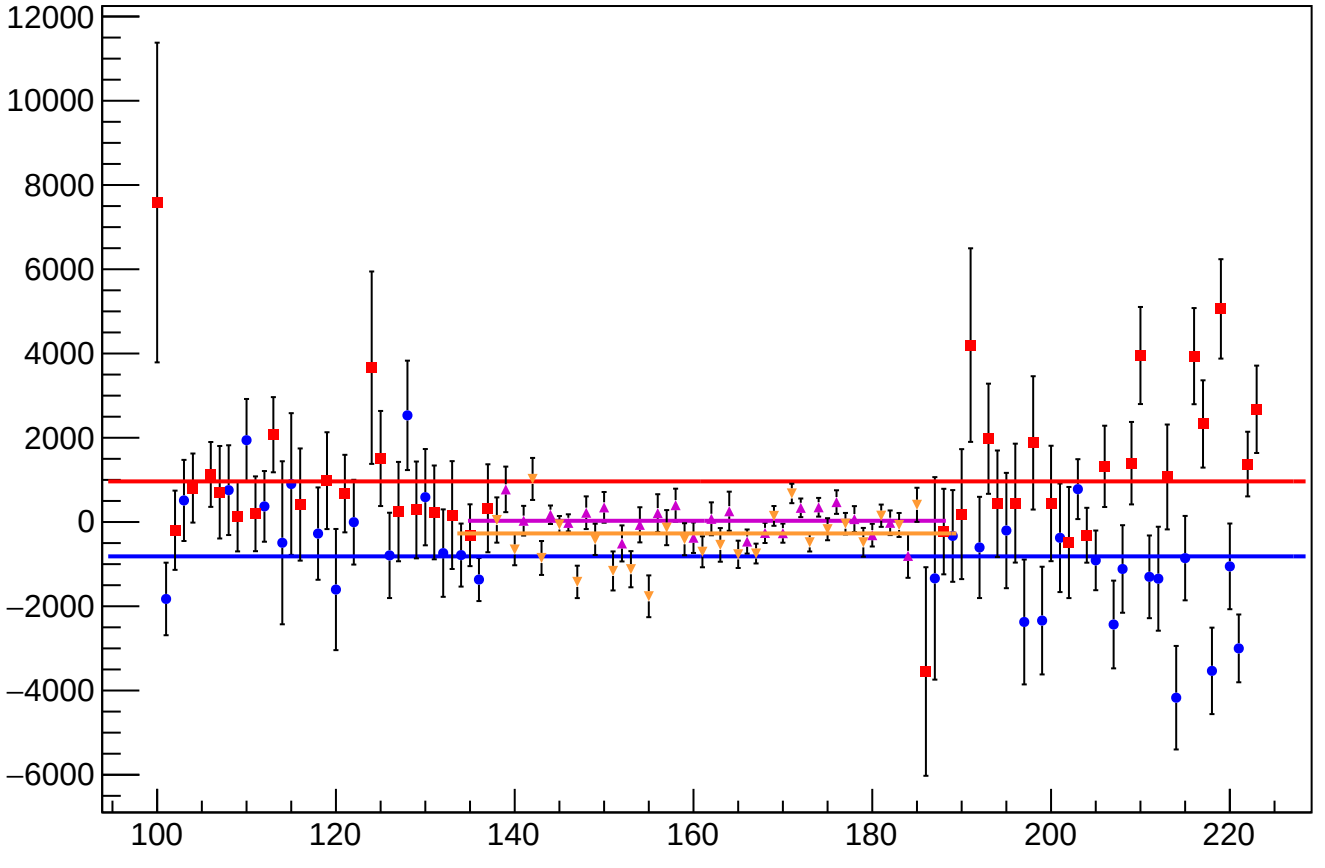
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 82.400+/-0.009 χ^2/NDF: 12044750.8/72

In: 56.415+/-0.007 χ^2/NDF:11099045.2/56

Out: 56.156+/-0.007 χ^2/NDF:12574075.3/63

All: 56.283+/-0.005 χ^2/NDF: 23673857.4/120



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

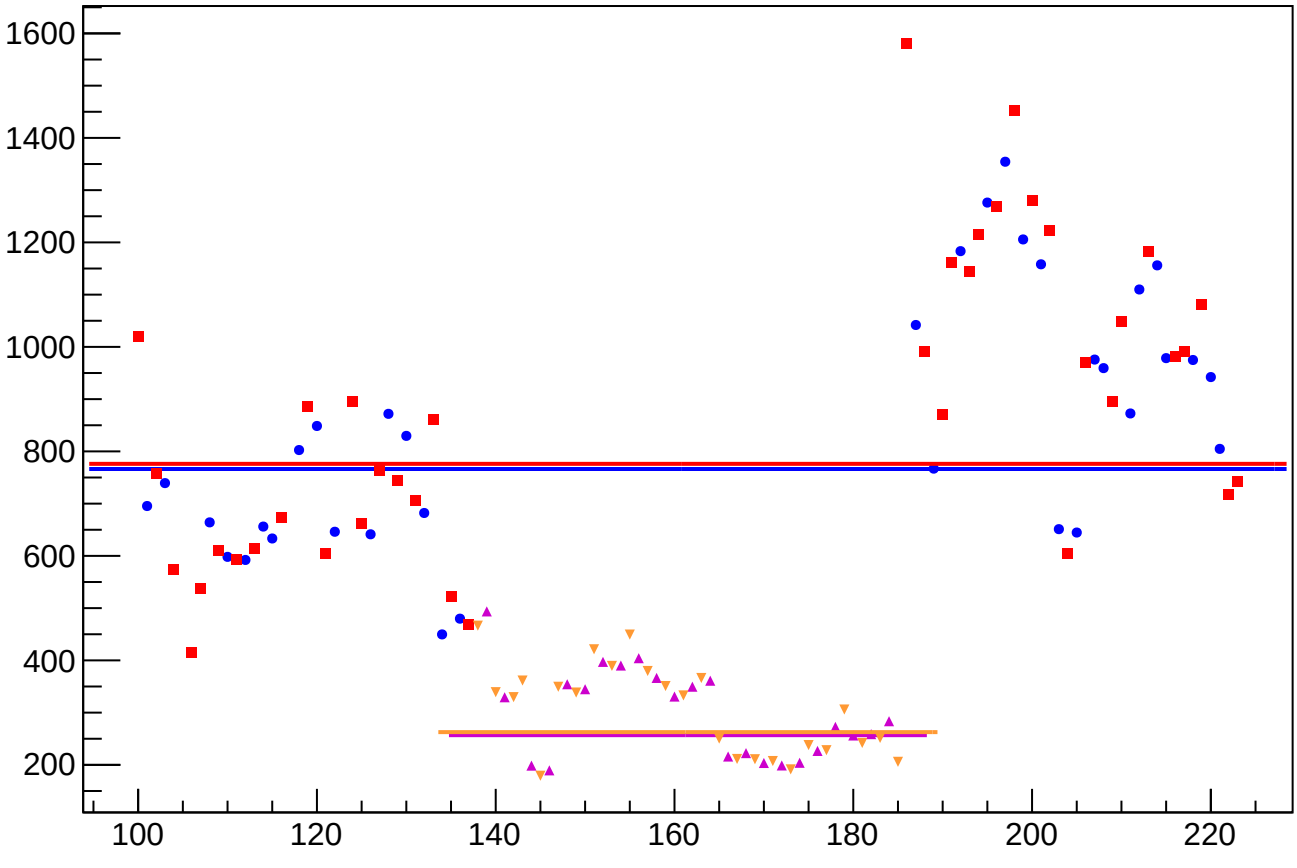
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 75.361+/-120.977 χ^2/NDF: 173.0/72

In: -70.640+/-58.850 χ^2/NDF:105.9/56

Out: -126.077+/-58.574 χ^2/NDF:178.8/63

All: -98.489+/-41.516 χ^2/NDF: 285.1/120



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

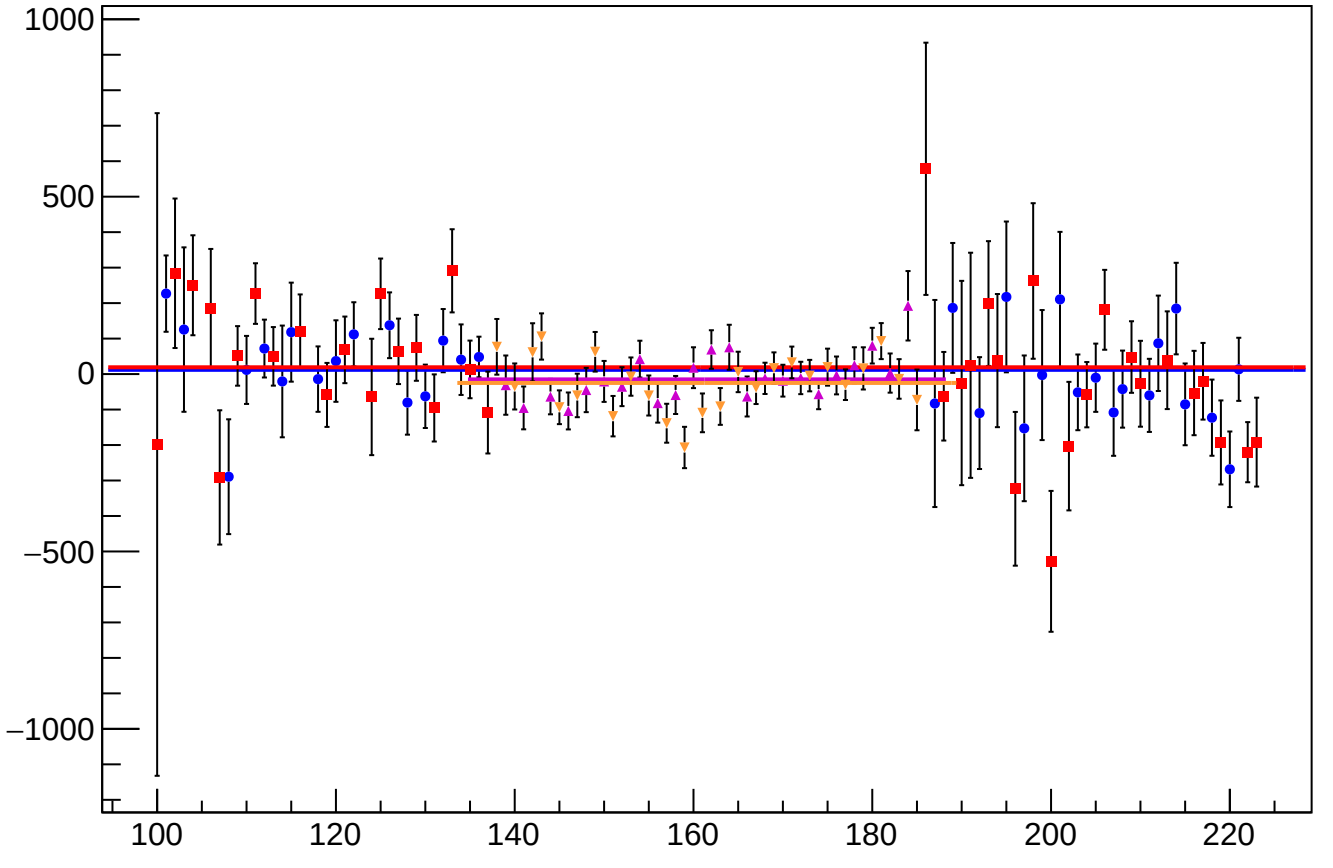
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 771.236+/-0.086 χ^2/NDF: 7647710.1/72

In: 317.060+/-0.042 χ^2/NDF:21705444.5/56

Out: 322.928+/-0.041 χ^2/NDF:23011464.8/63

All: 320.008+/-0.029 χ^2/NDF: 44726899.2/12



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

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

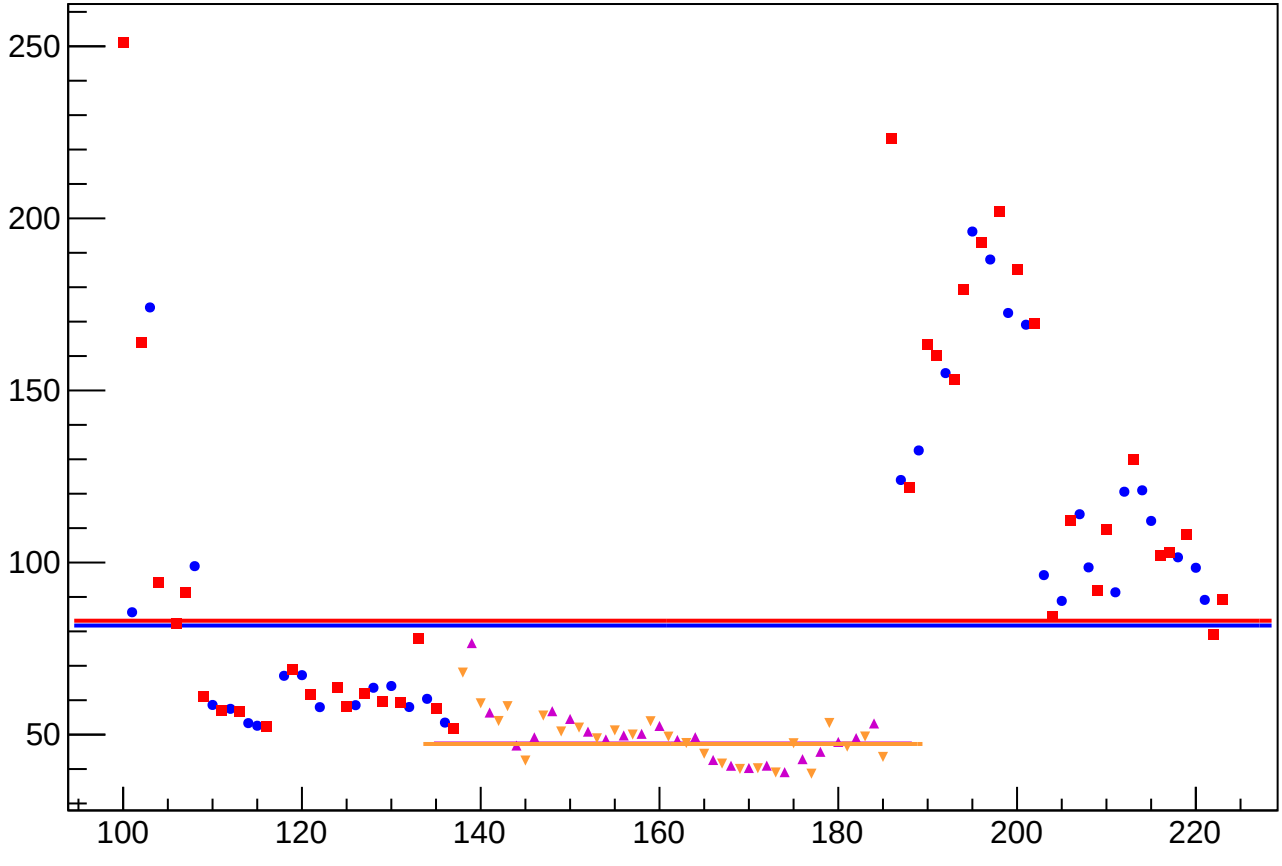
Right: 15.505+/-13.360 χ^2/NDF: 96.7/72

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -14.066+/-9.444 χ^2/NDF:111.0/63

All: -11.055+/-6.744 χ^2/NDF: 170.3/120

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

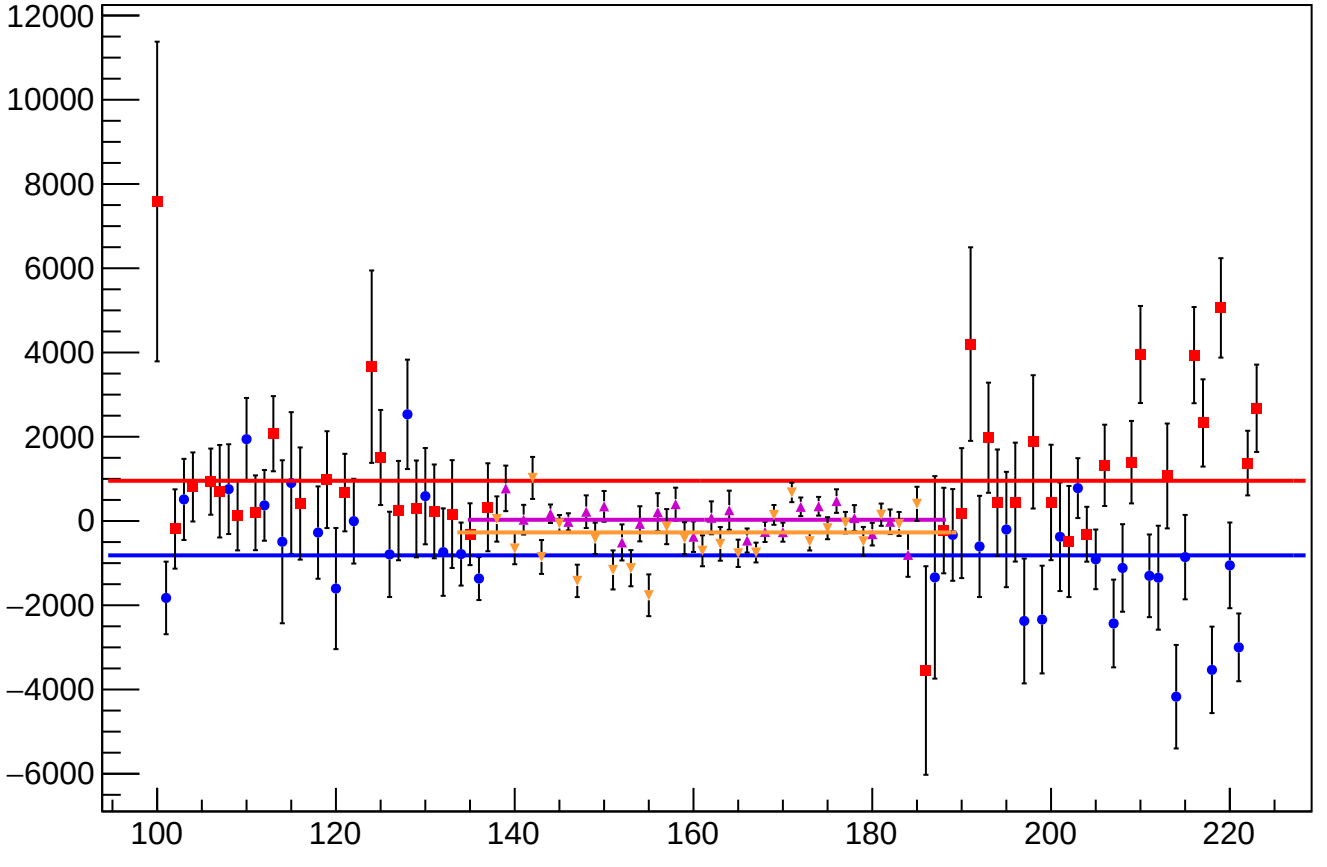
Right: 82.393+/-0.009 χ^2/NDF: 12044891.7/72

In: 56.415+/-0.007 χ^2/NDF:11099047.1/56

Out: 56.153+/-0.007 χ^2/NDF:12570084.5/63

All: 56.281+/-0.005 χ^2/NDF: 23669890.0/120

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



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

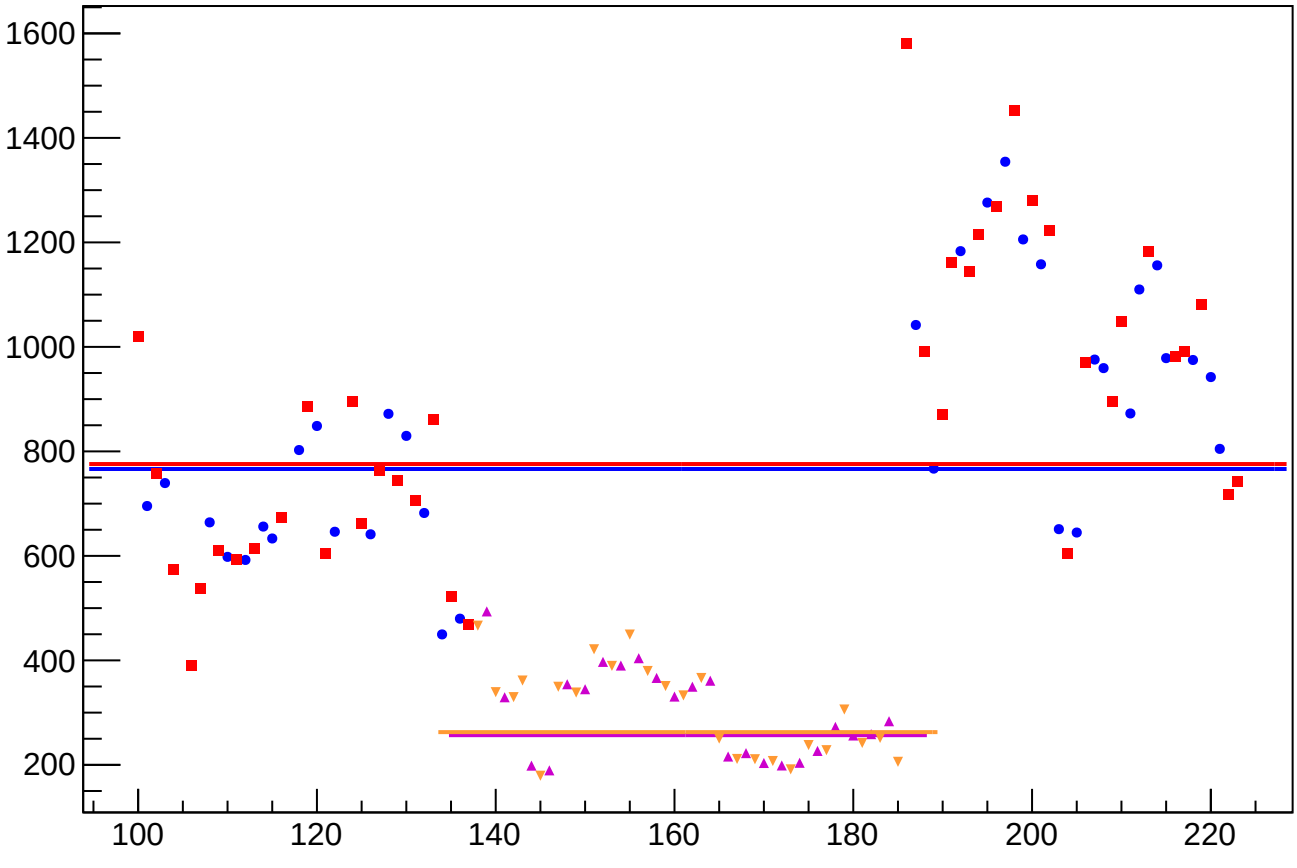
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 69.851+/-121.038 χ^2/NDF: 172.3/72

In: -70.638+/-58.850 χ^2/NDF:105.9/56

Out: -127.412+/-58.581 χ^2/NDF:178.0/63

All: -99.155+/-41.518 χ^2/NDF: 284.3/120



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

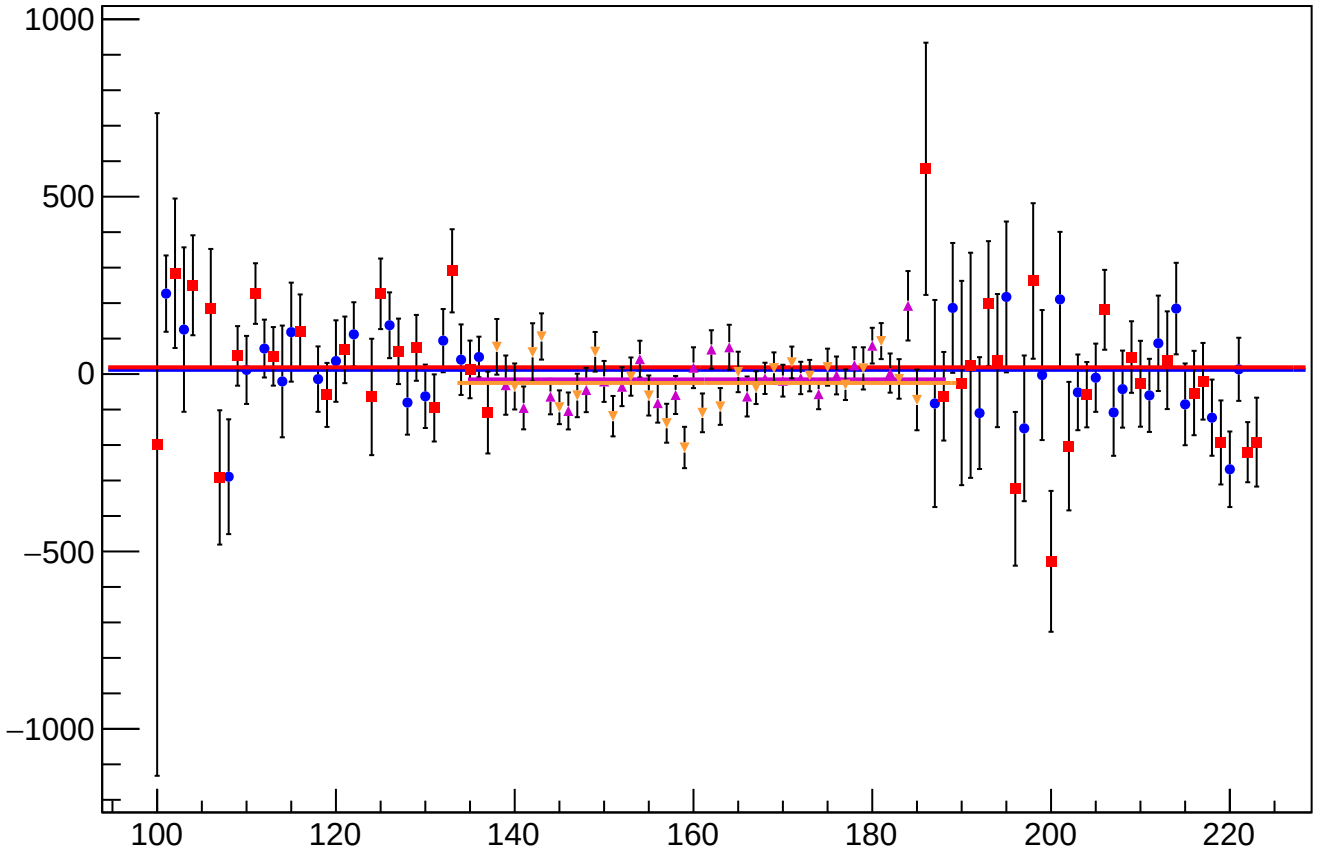
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 771.039+/-0.086 χ^2/NDF: 7686826.6/72

In: 317.060+/-0.042 χ^2/NDF:21705494.1/56

Out: 322.776+/-0.041 χ^2/NDF:22998813.3/63

All: 319.931+/-0.029 χ^2/NDF: 44713786.4/12



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

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

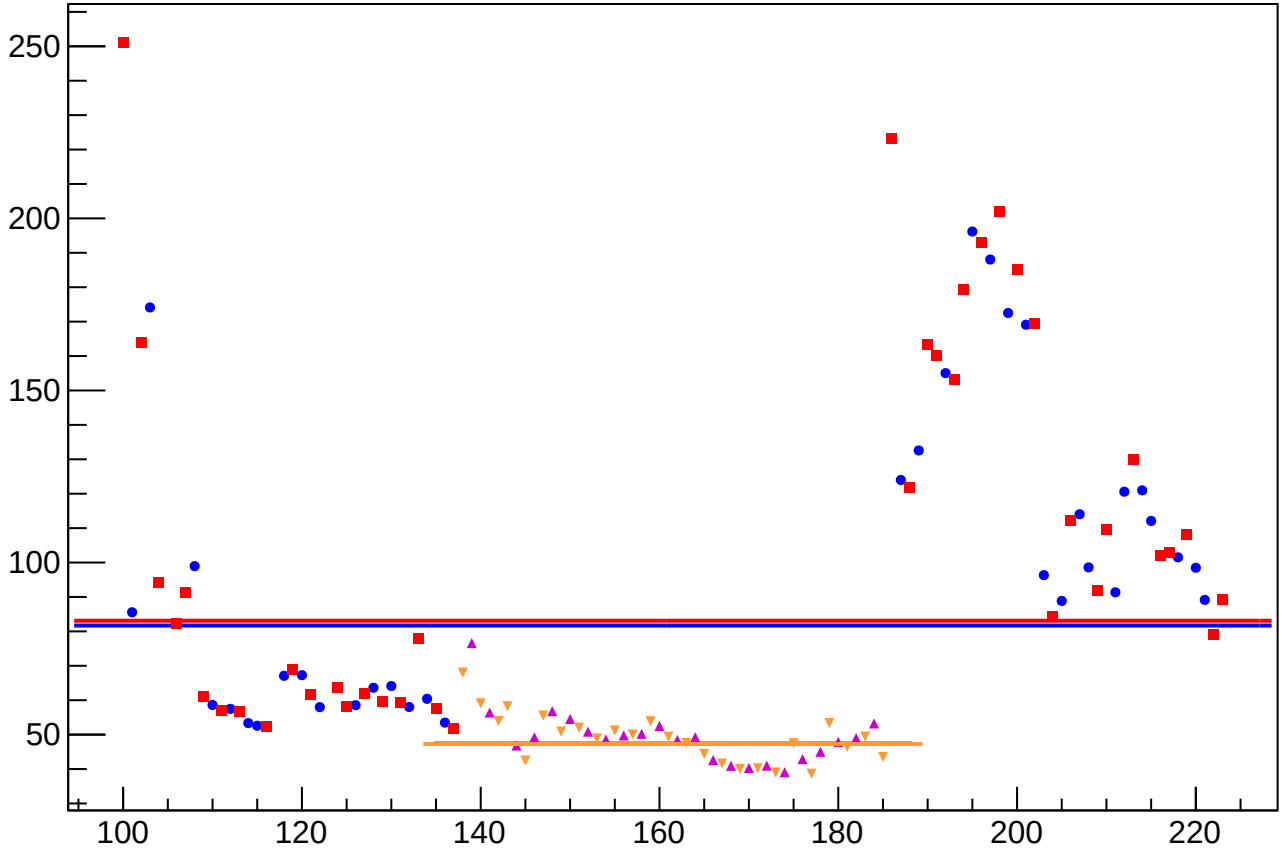
Right: 15.505+/-13.360 χ^2/NDF: 96.7/72

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -14.066+/-9.444 χ^2/NDF:111.0/63

All: -11.055+/-6.744 χ^2/NDF: 170.3/120

eigen_cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

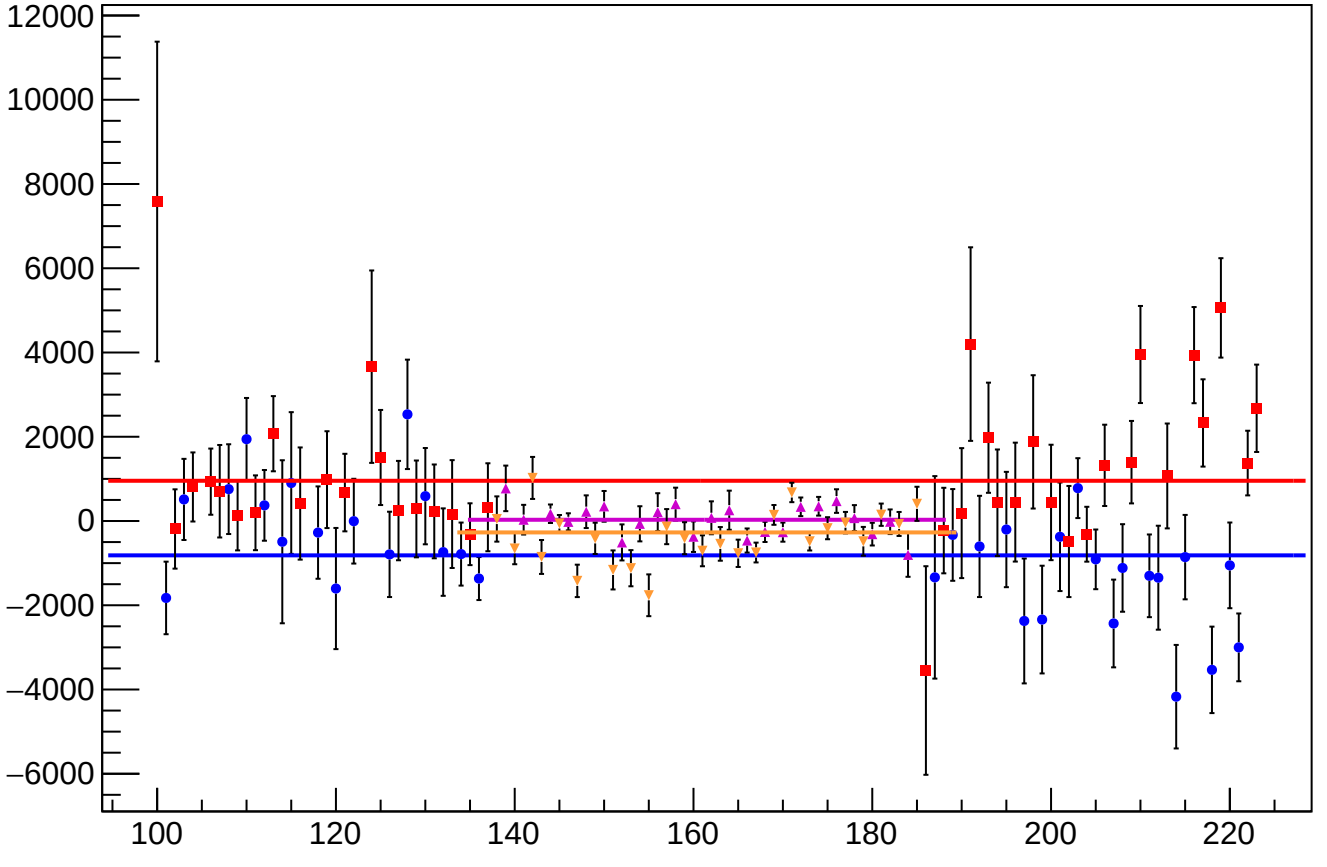
Right: 82.393+/-0.009 χ^2/NDF: 12044891.7/72

In: 56.415+/-0.007 χ^2/NDF:11099047.1/56

Out: 56.153+/-0.007 χ^2/NDF:12570084.5/63

All: 56.281+/-0.005 χ^2/NDF: 23669890.0/120

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

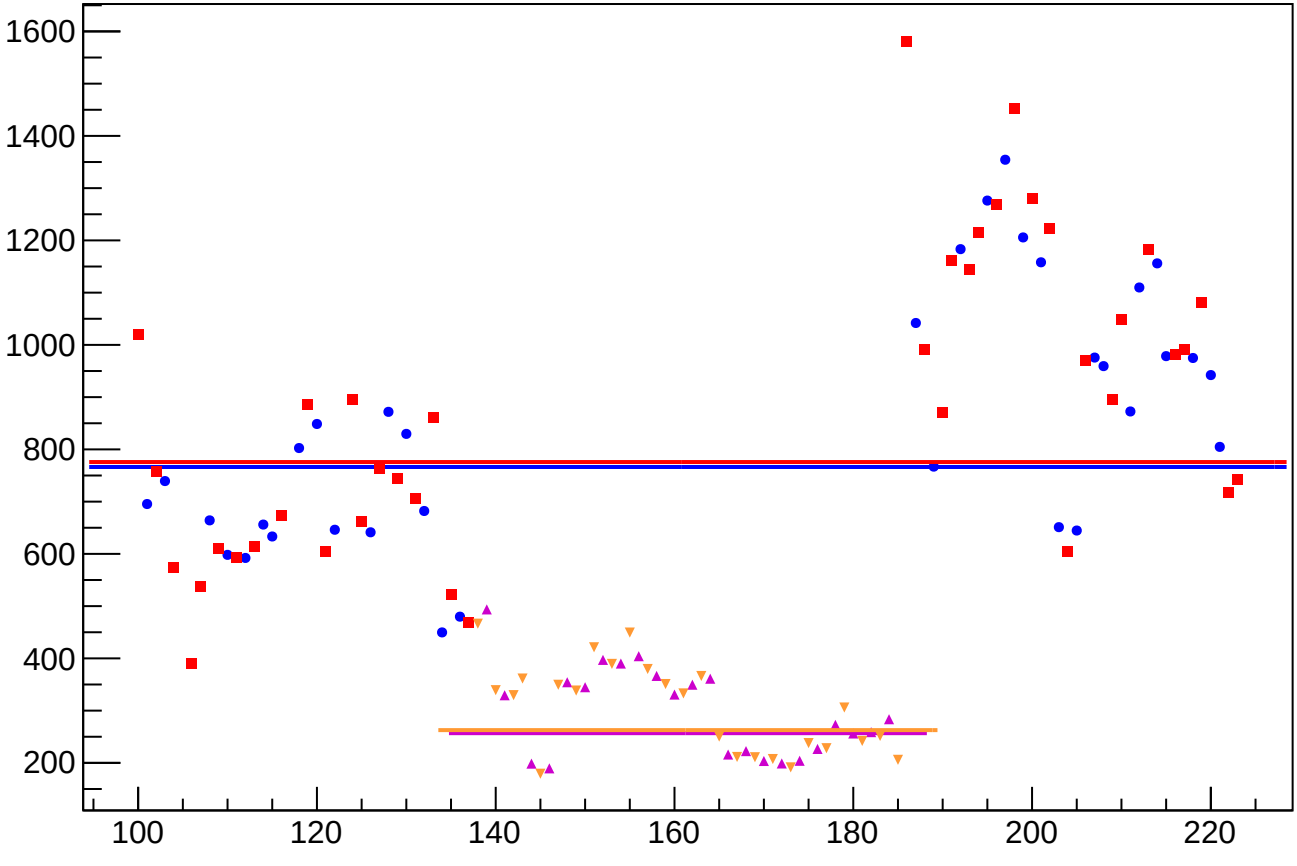
Right: 69.851+/-121.038 χ^2/NDF: 172.3/72

In: -70.638+/-58.850 χ^2/NDF:105.9/56

Out: -127.412+/-58.581 χ^2/NDF:178.0/63

All: -99.155+/-41.518 χ^2/NDF: 284.3/120

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

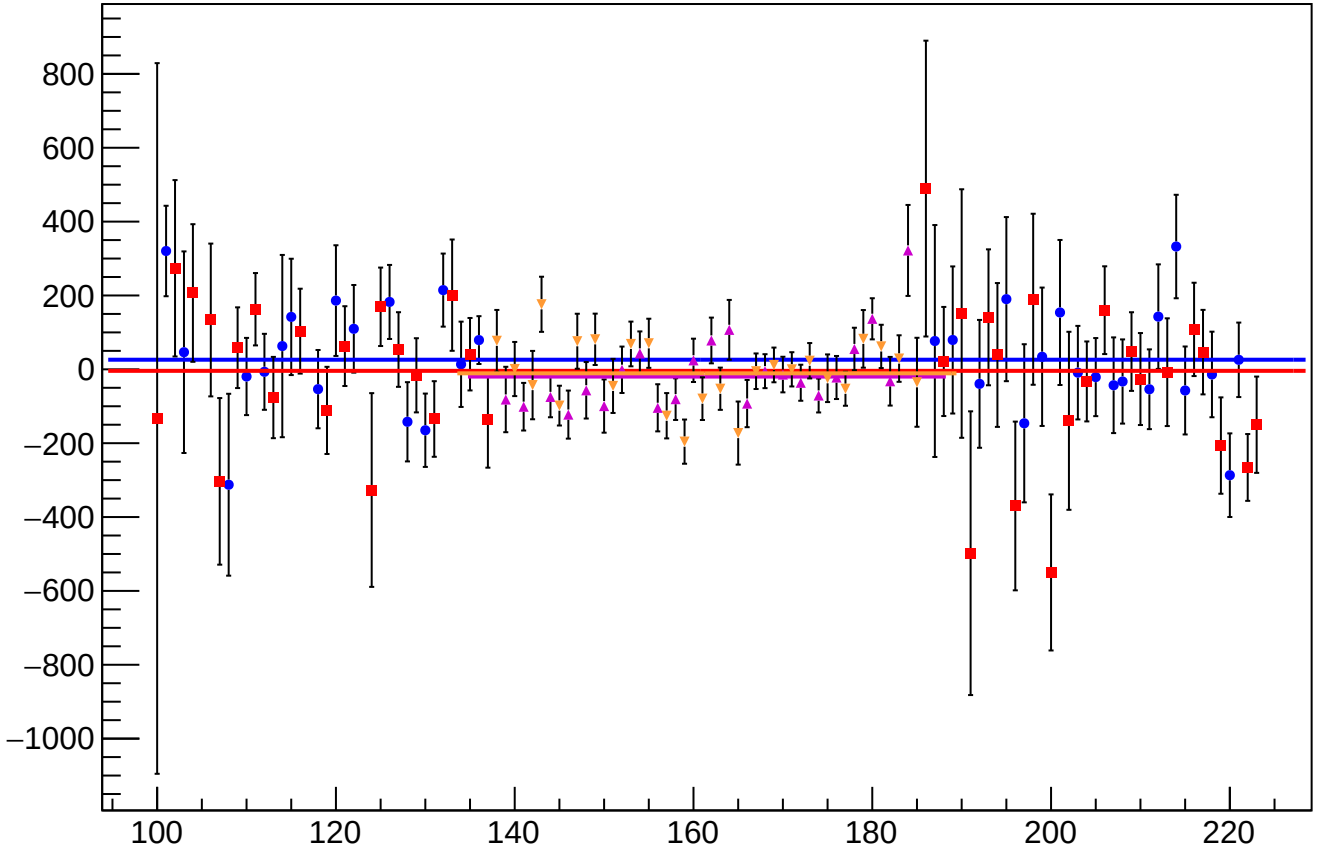
Right: 771.039+/-0.086 χ^2/NDF: 7686826.6/72

In: 317.060+/-0.042 χ^2/NDF:21705494.1/56

Out: 322.776+/-0.041 χ^2/NDF:22998813.3/63

All: 319.931+/-0.029 χ^2/NDF: 44713786.4/12

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



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

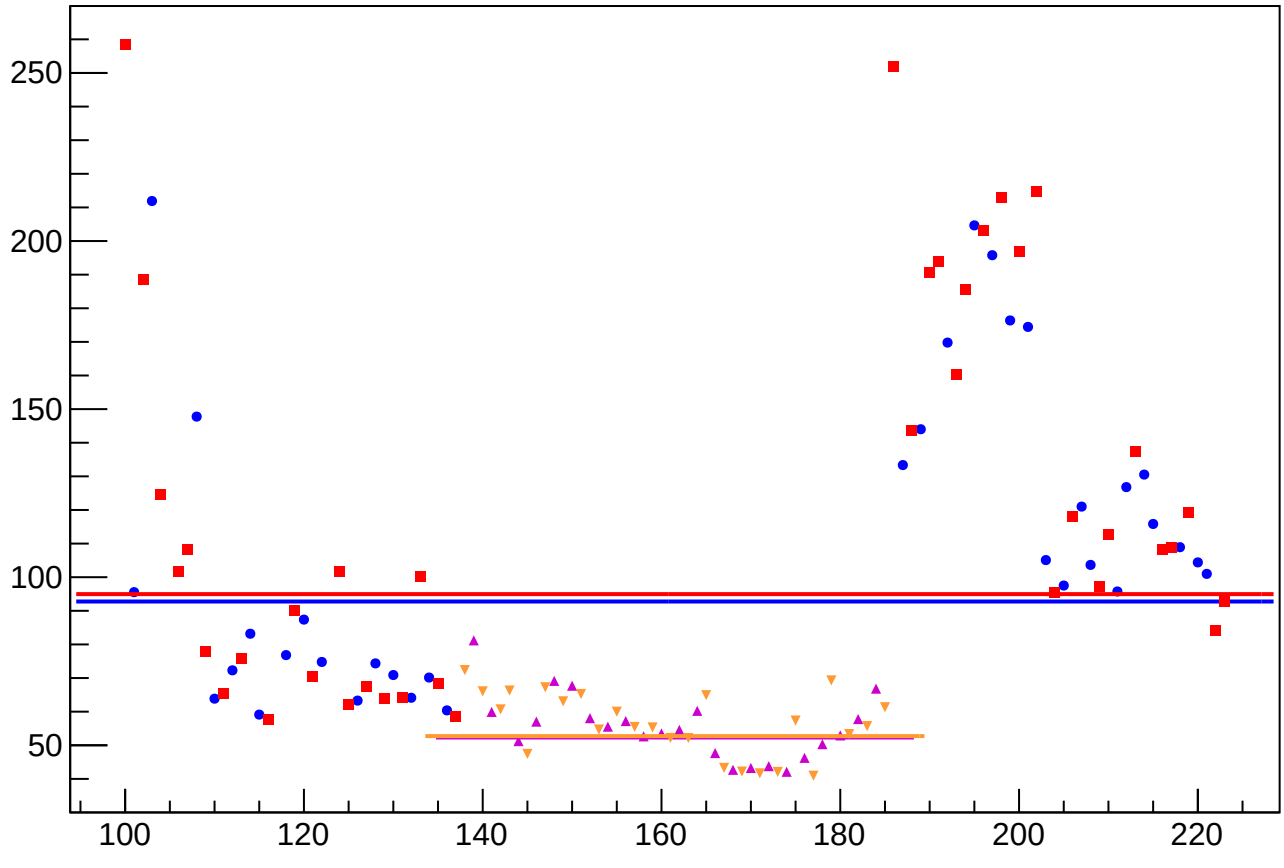
Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

Right: 11.237+/-15.178 χ^2/NDF: 91.0/72

In: -7.827+/-10.807 χ^2/NDF:80.7/56

Out: -9.180+/-10.699 χ^2/NDF:89.9/63

All: -8.510+/-7.603 χ^2/NDF: 170.6/120



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

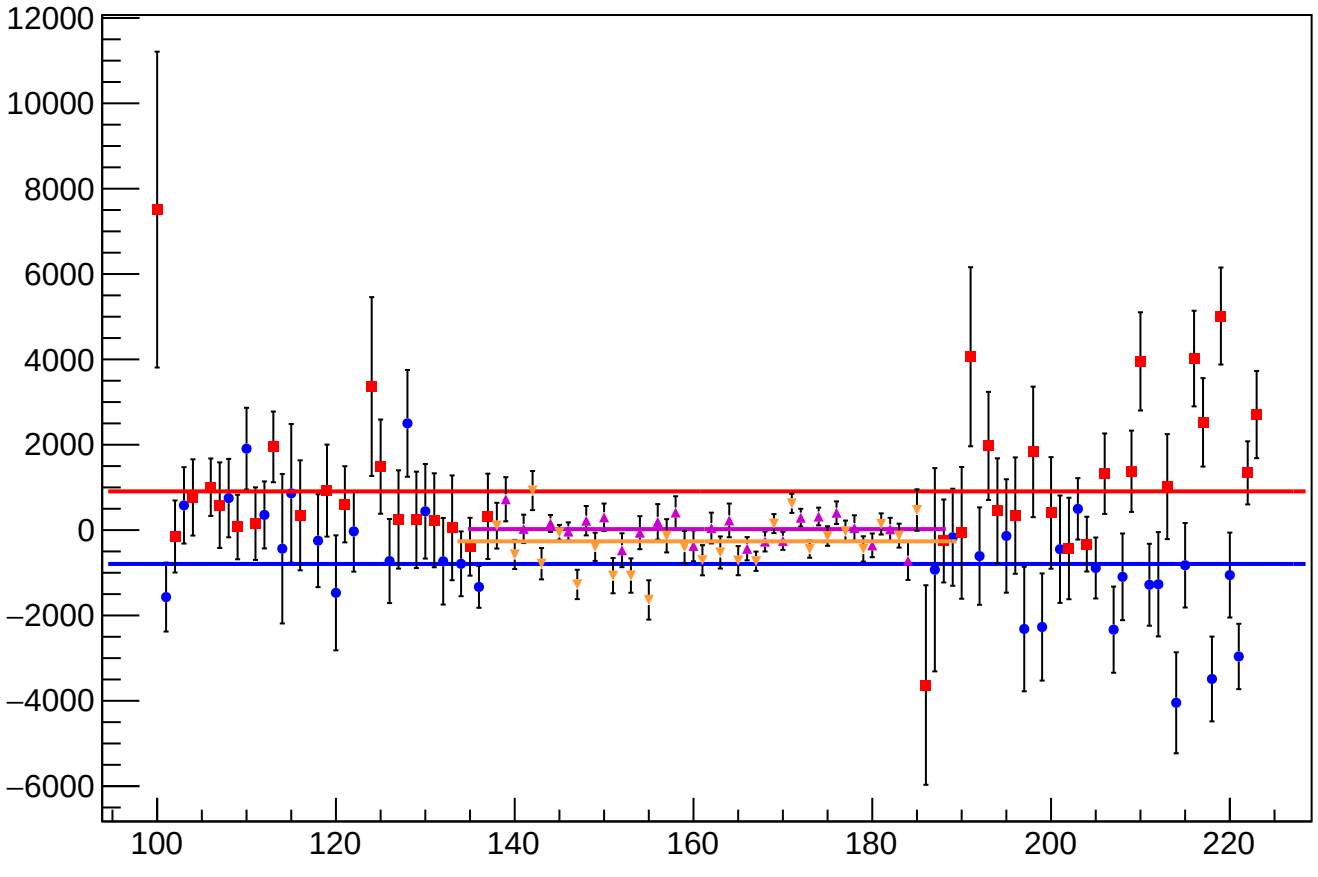
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 93.847+/-0.011 χ^2/NDF: 10732488.8/72

In: 62.749+/-0.008 χ^2/NDF:11054020.5/56

Out: 63.040+/-0.008 χ^2/NDF:12841012.4/63

All: 62.896+/-0.005 χ^2/NDF: 23895765.7/120



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

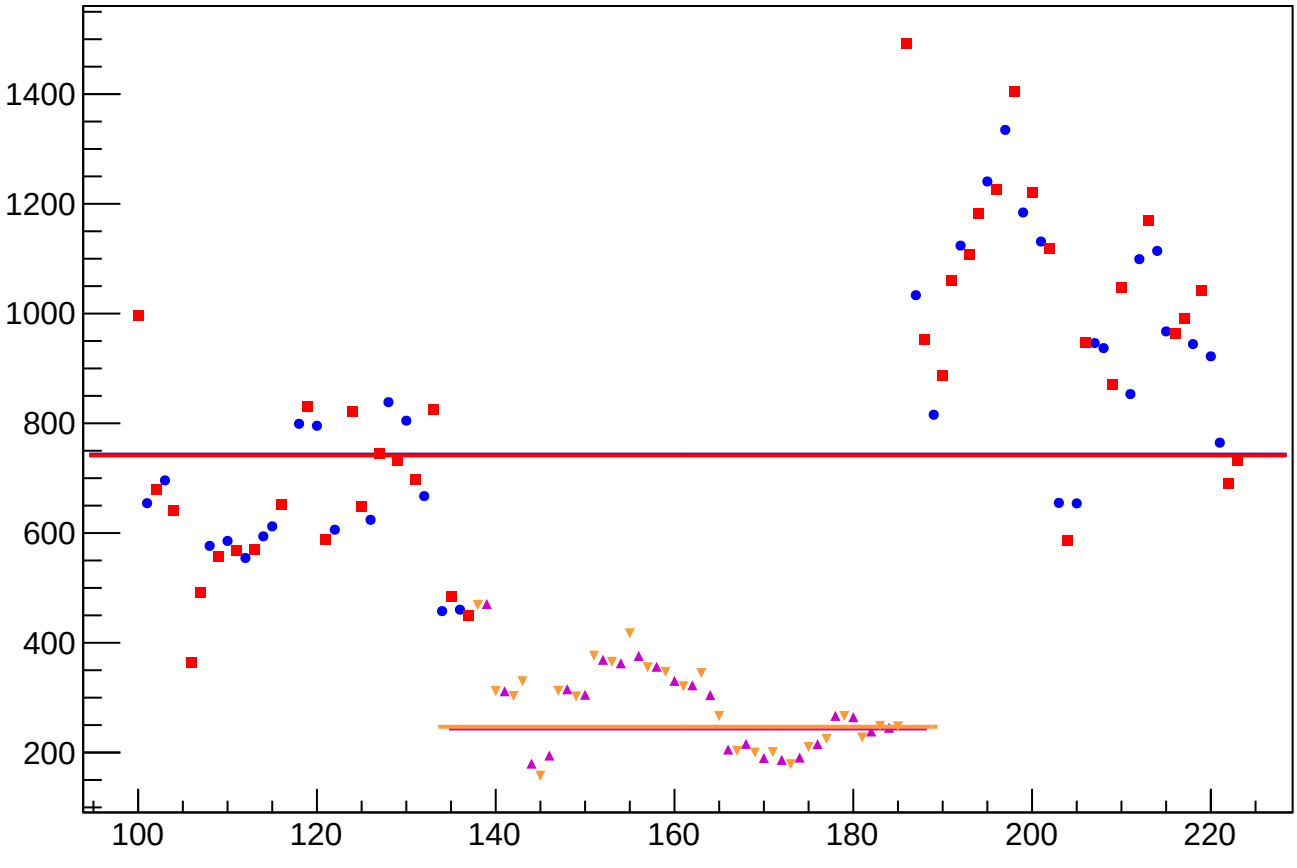
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 67.995+/-116.535 χ^2/NDF: 177.7/72

In: -69.361+/-55.919 χ^2/NDF:105.7/56

Out: -130.158+/-55.091 χ^2/NDF:182.0/63

All: -100.213+/-39.245 χ^2/NDF: 288.3/120



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

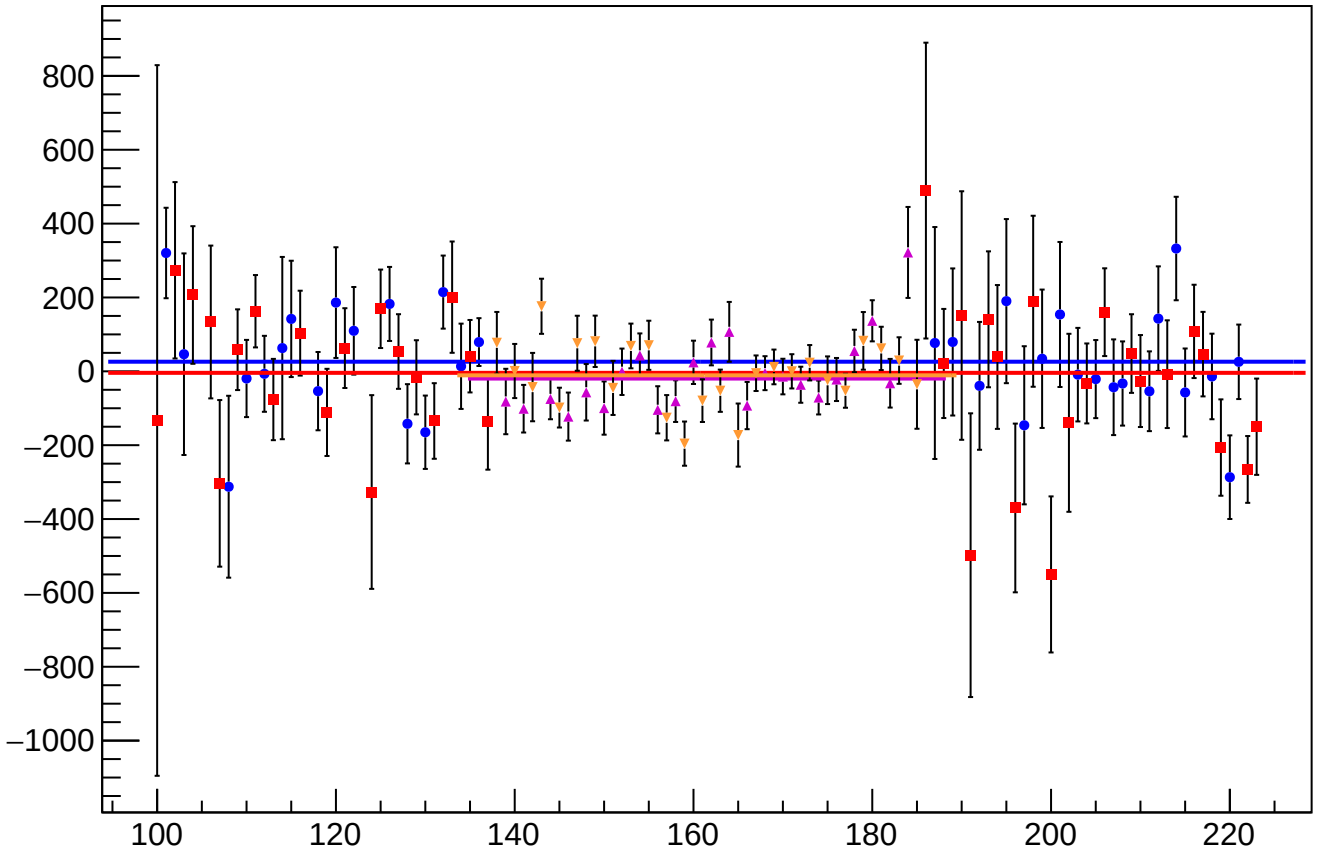
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 742.196+/-0.082 χ^2/NDF: 8042609.9/72

In: 300.551+/-0.040 χ^2/NDF:22056917.3/56

Out: 302.958+/-0.039 χ^2/NDF:23623832.3/63

All: 301.773+/-0.028 χ^2/NDF: 45682629.9/12



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

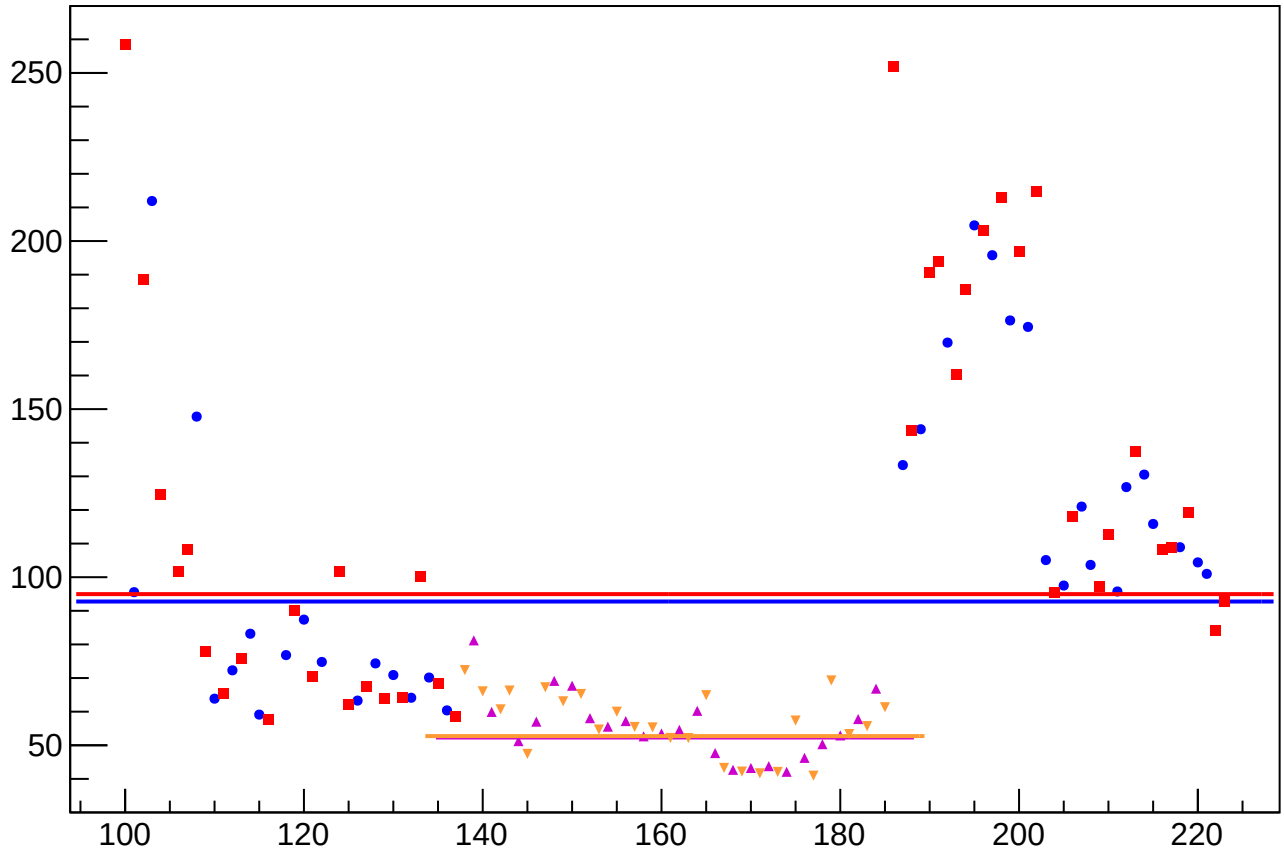
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 11.236+/-15.178 χ^2/NDF: 91.0/72

In: -7.827+/-10.807 χ^2/NDF:80.7/56

Out: -9.179+/-10.699 χ^2/NDF:89.9/63

All: -8.510+/-7.603 χ^2/NDF: 170.6/120



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

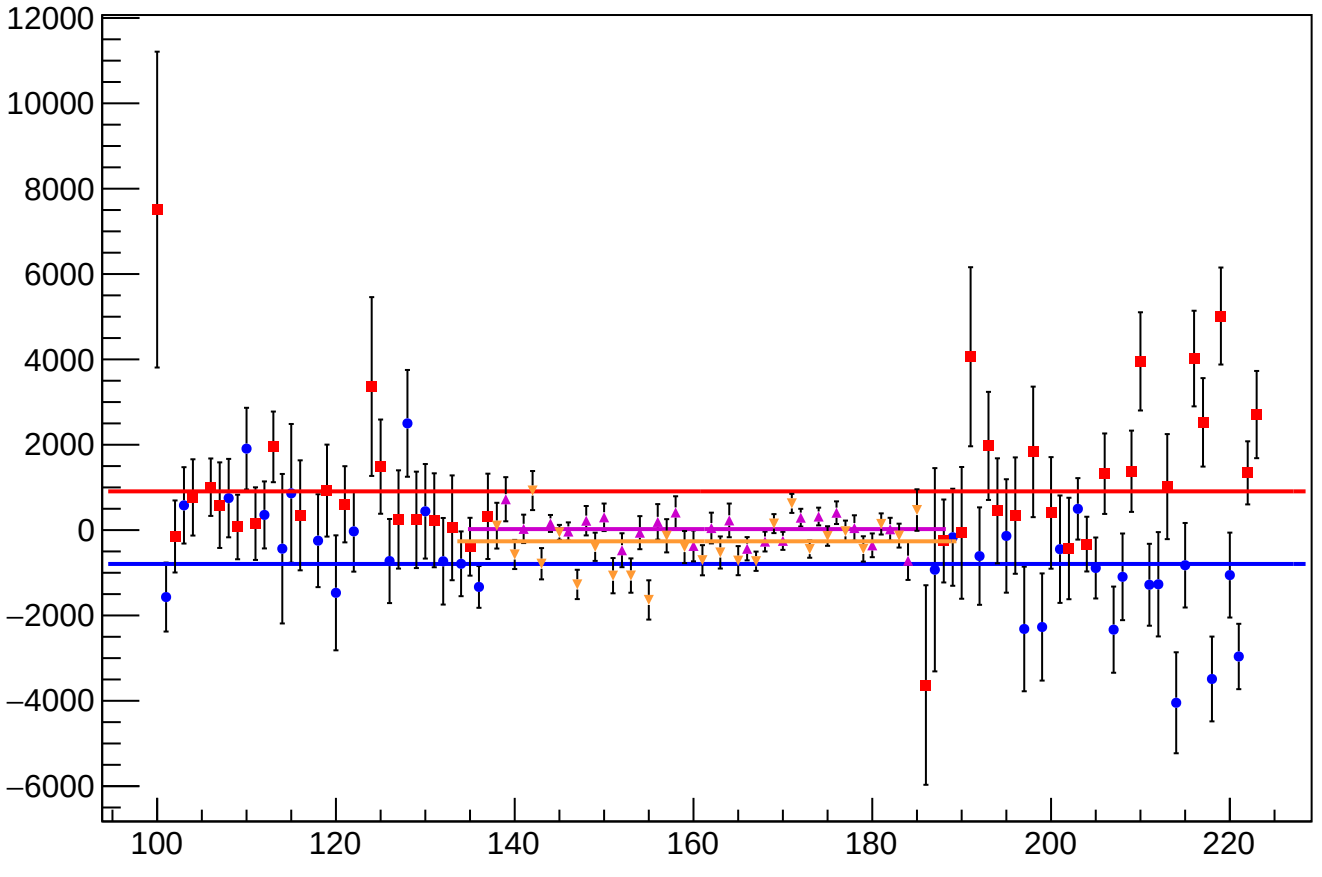
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 93.847+/-0.011 χ^2/NDF: 10732526.5/72

In: 62.749+/-0.008 χ^2/NDF:11054015.1/56

Out: 63.040+/-0.008 χ^2/NDF:12841004.7/63

All: 62.896+/-0.005 χ^2/NDF: 23895752.7/120



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

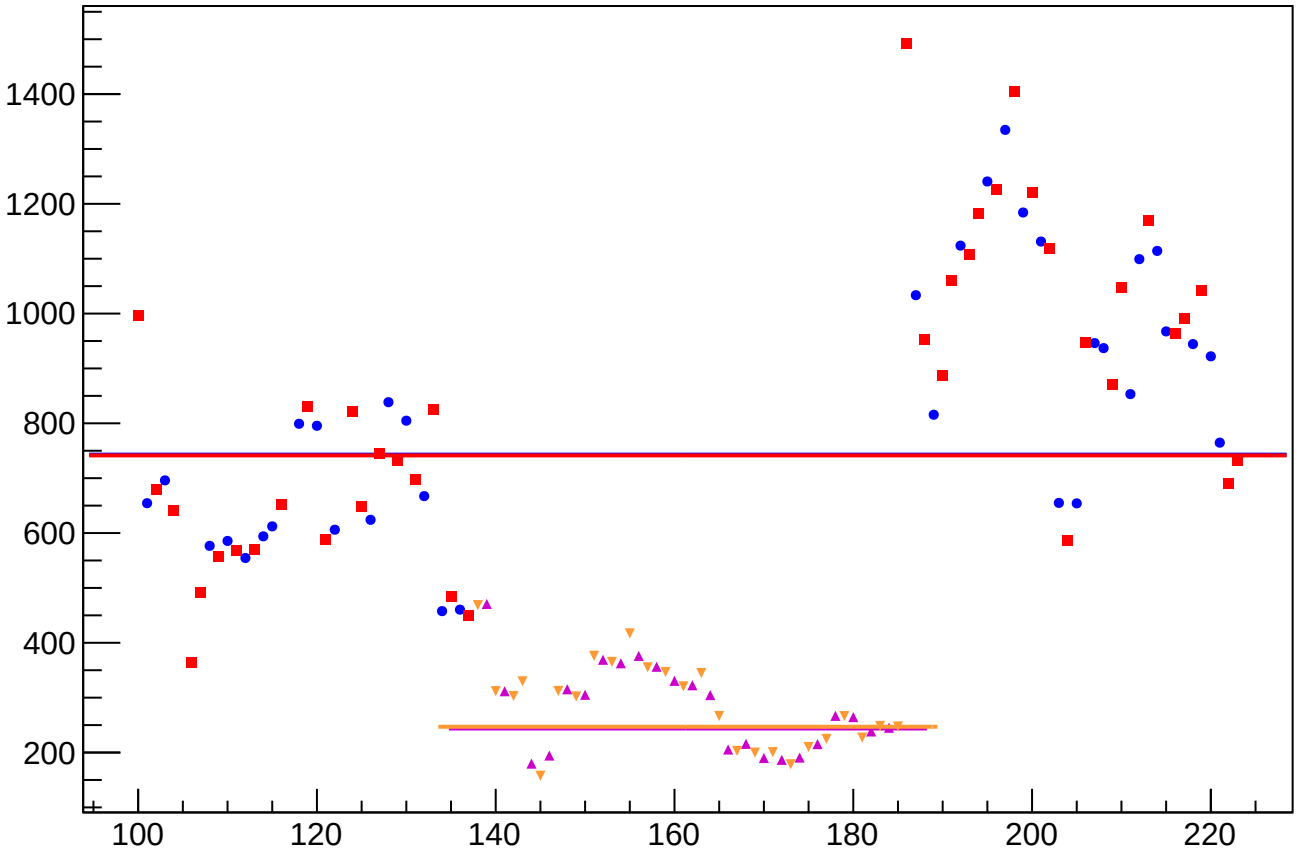
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 67.995+/-116.535 χ^2/NDF: 177.7/72

In: -69.361+/-55.919 χ^2/NDF:105.7/56

Out: -130.158+/-55.091 χ^2/NDF:182.0/63

All: -100.213+/-39.245 χ^2/NDF: 288.3/120



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

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

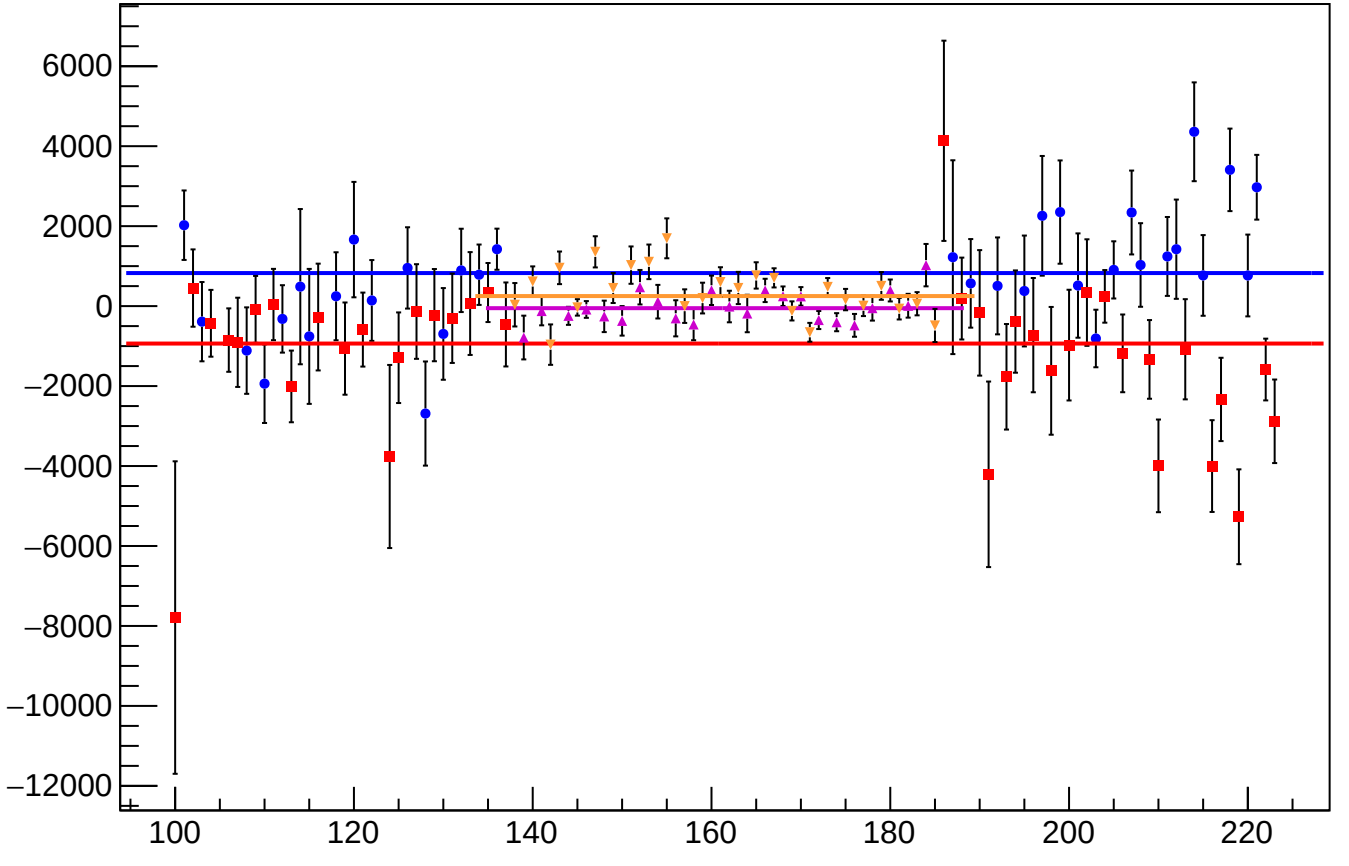
Right: 742.195+/-0.082 χ^2/NDF: 8042579.8/72

In: 300.551+/-0.040 χ^2/NDF:22056917.5/56

Out: 302.958+/-0.039 χ^2/NDF:23623811.0/63

All: 301.772+/-0.028 χ^2/NDF: 45682609.0/12

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

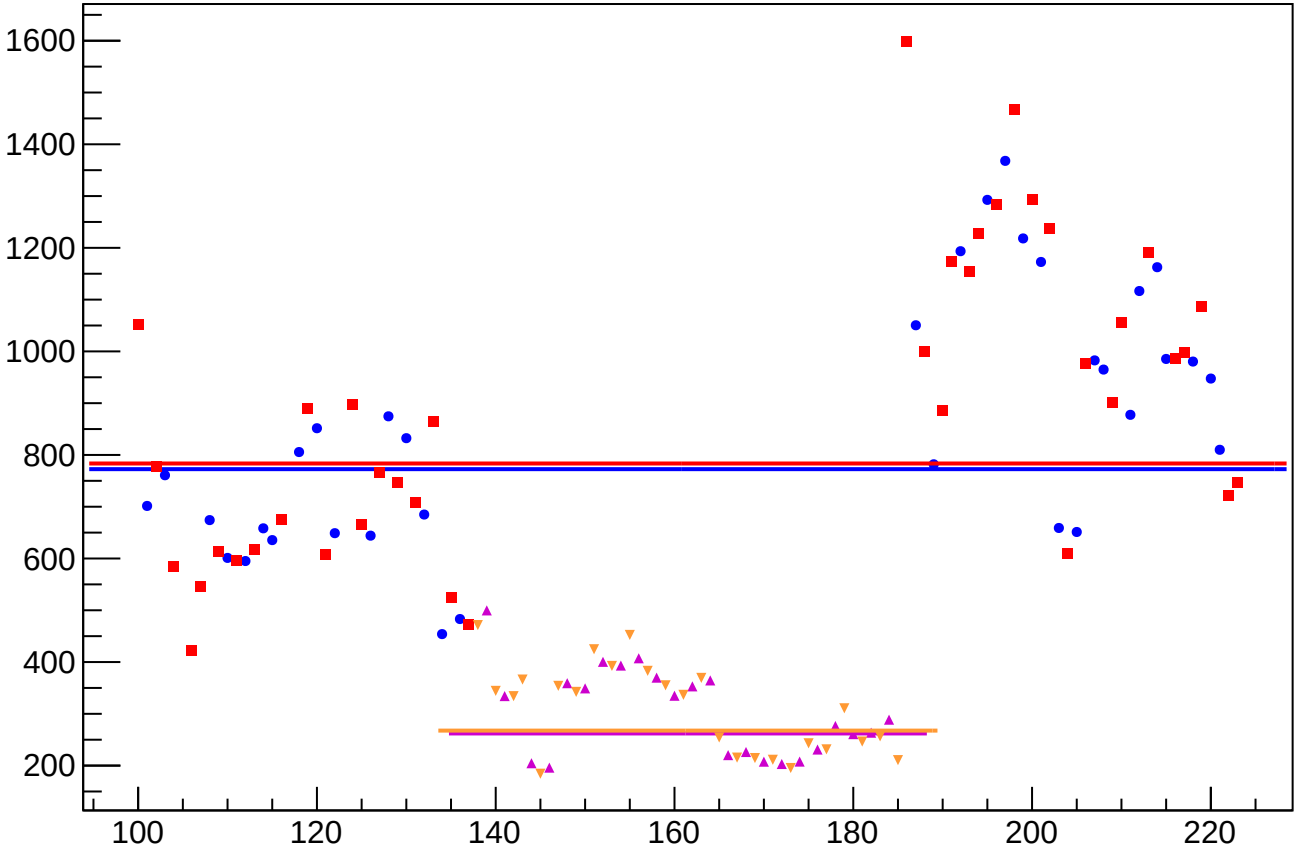
Right: -54.914+/-122.032 χ^2/NDF: 175.1/72

In: 54.030+/-59.877 χ^2/NDF:110.2/56

Out: 109.799+/-59.531 χ^2/NDF:171.5/63

All: 82.076+/-42.217 χ^2/NDF: 282.2/120

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

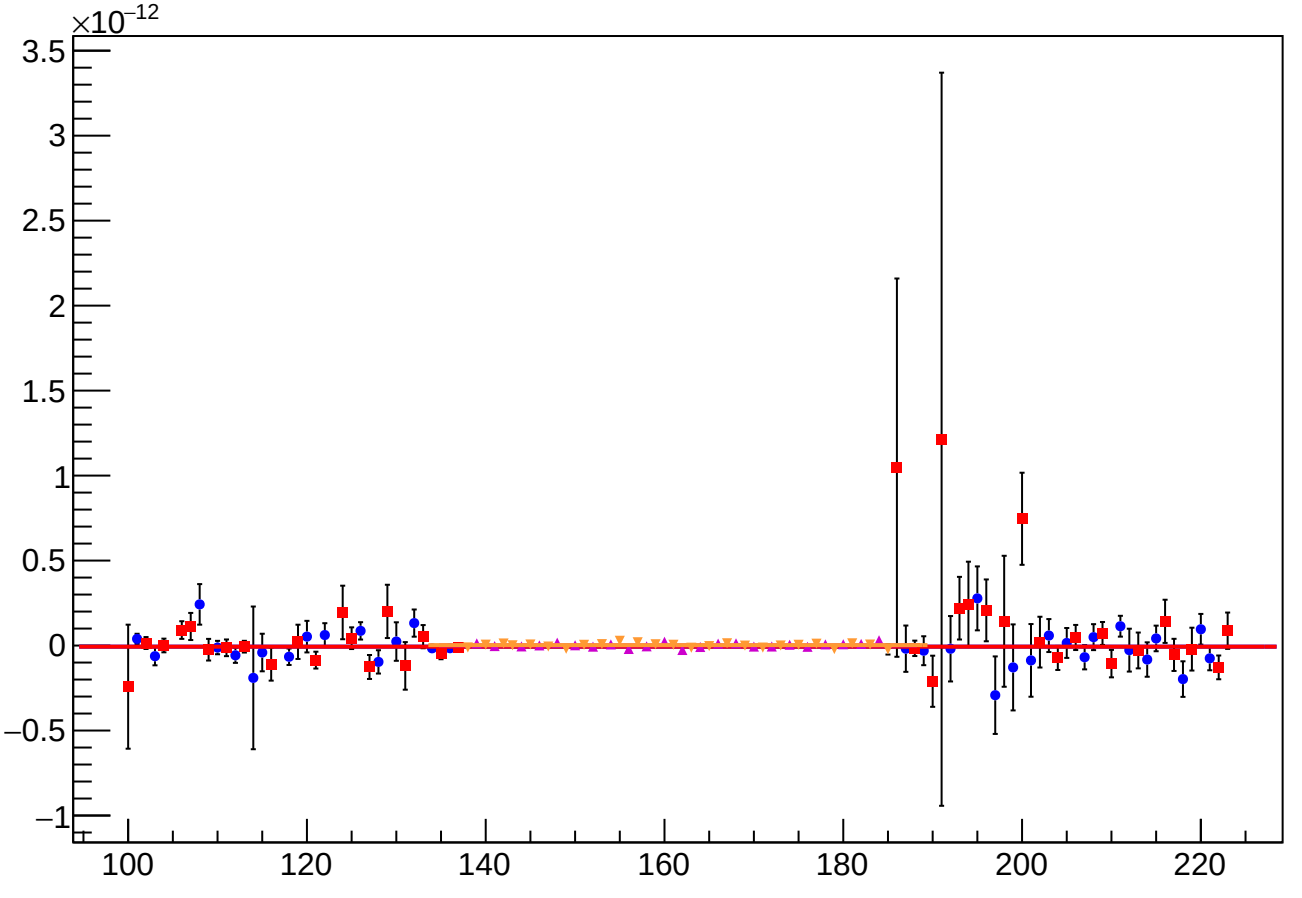
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 778.019+/-0.086 χ^2/NDF: 7626592.4/72

In: 323.546+/-0.042 χ^2/NDF:21377340.5/56

Out: 328.969+/-0.042 χ^2/NDF:22720809.1/63

All: 326.273+/-0.030 χ^2/NDF: 44106397.6/12



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

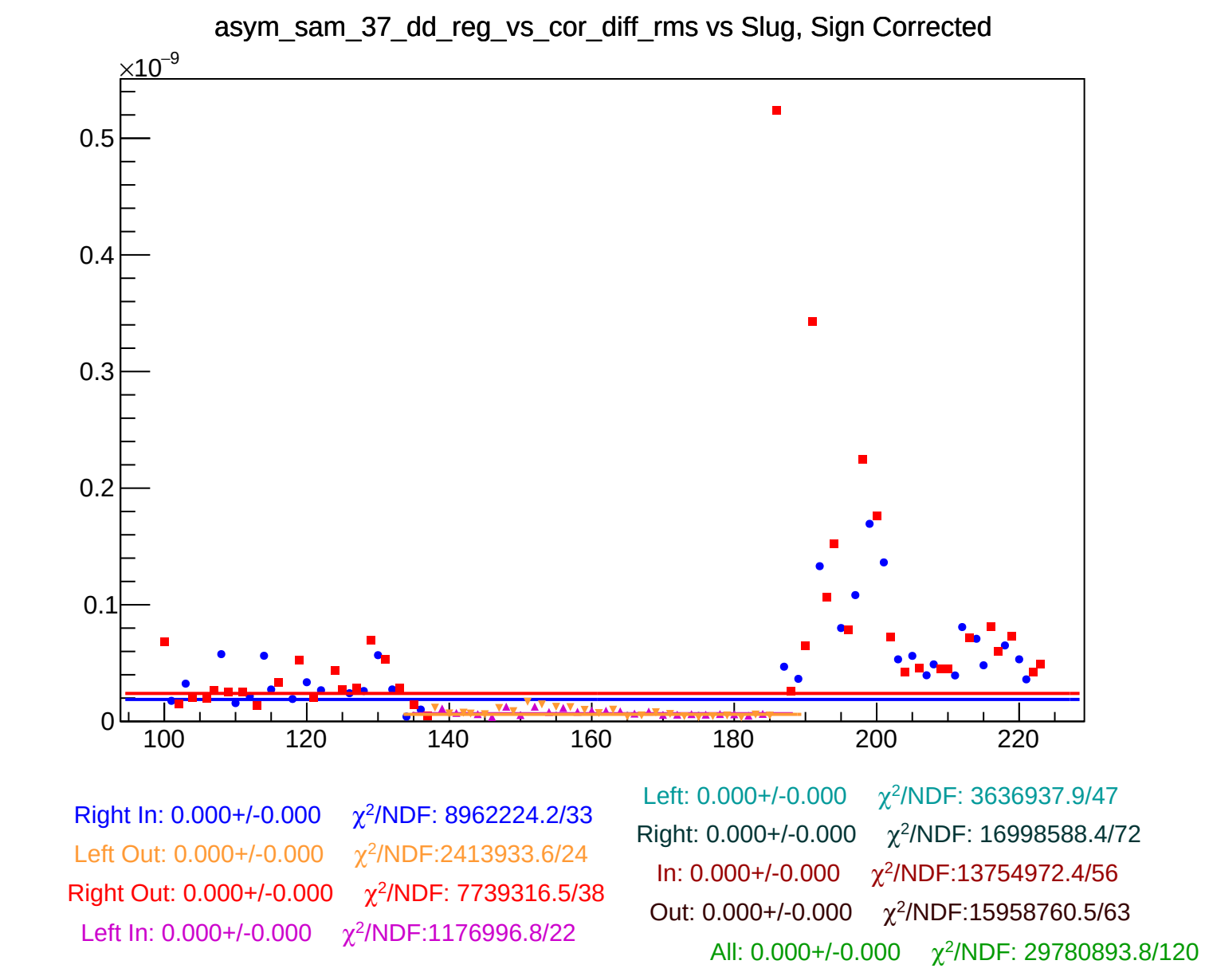
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

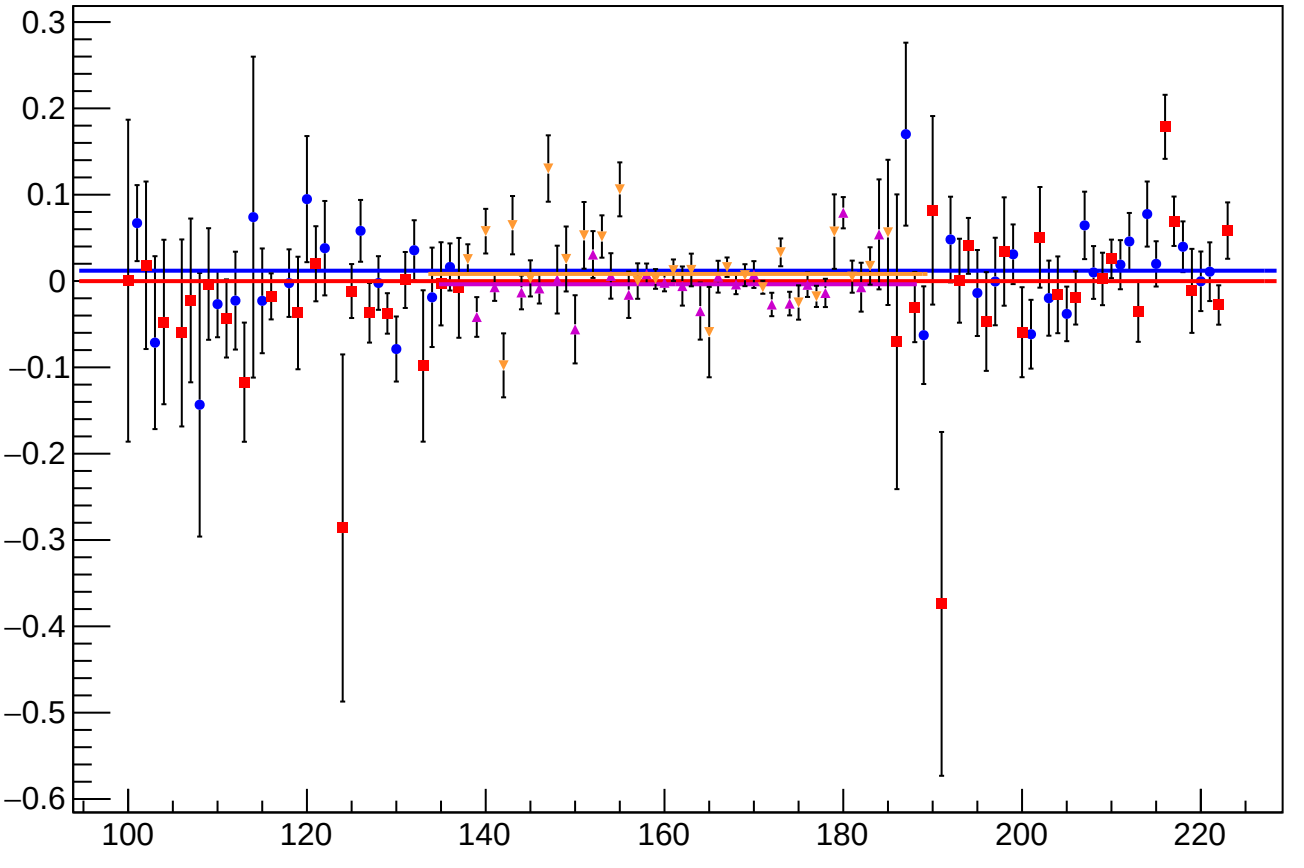
Right: -0.000+/-0.000 χ^2/NDF: 82.2/72

In: 0.000+/-0.000 χ^2/NDF:50.5/56

Out: 0.000+/-0.000 χ^2/NDF:60.6/63

All: 0.000+/-0.000 χ^2/NDF: 111.3/120


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8962224.2/33
Left Out: 0.000+/-0.000 χ²/NDF:2413933.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 7739316.5/38
Left In: 0.000+/-0.000 χ²/NDF:1176996.8/22
Left: 0.000+/-0.000 χ²/NDF: 3636937.9/47
Right: 0.000+/-0.000 χ²/NDF: 16998588.4/72
In: 0.000+/-0.000 χ²/NDF:13754972.4/56
Out: 0.000+/-0.000 χ²/NDF:15958760.5/63
All: 0.000+/-0.000 χ²/NDF: 29780893.8/120



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

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

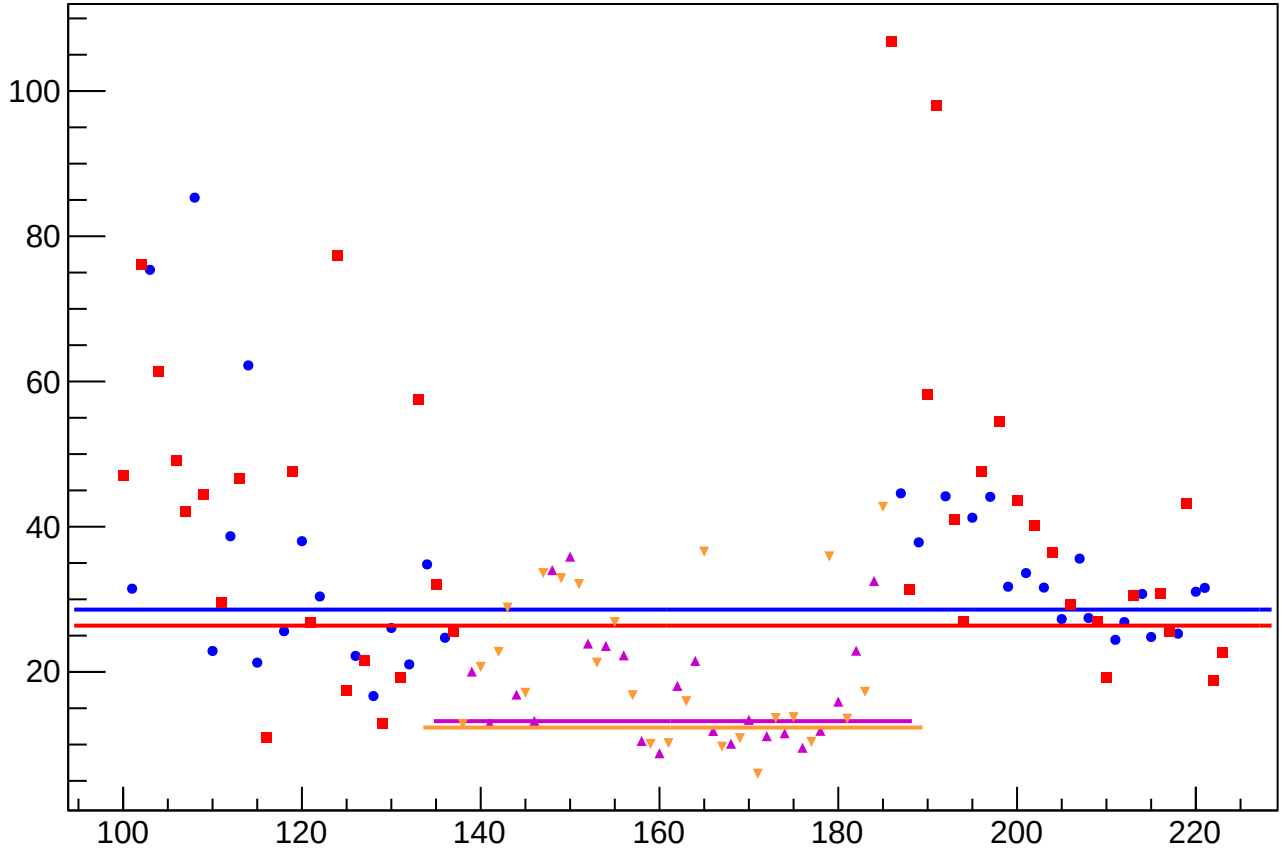
Right: 0.006+/-0.005 χ^2/NDF: 94.1/72

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.006+/-0.003 χ^2/NDF:118.7/63

All: 0.003+/-0.002 χ^2/NDF: 196.2/120

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

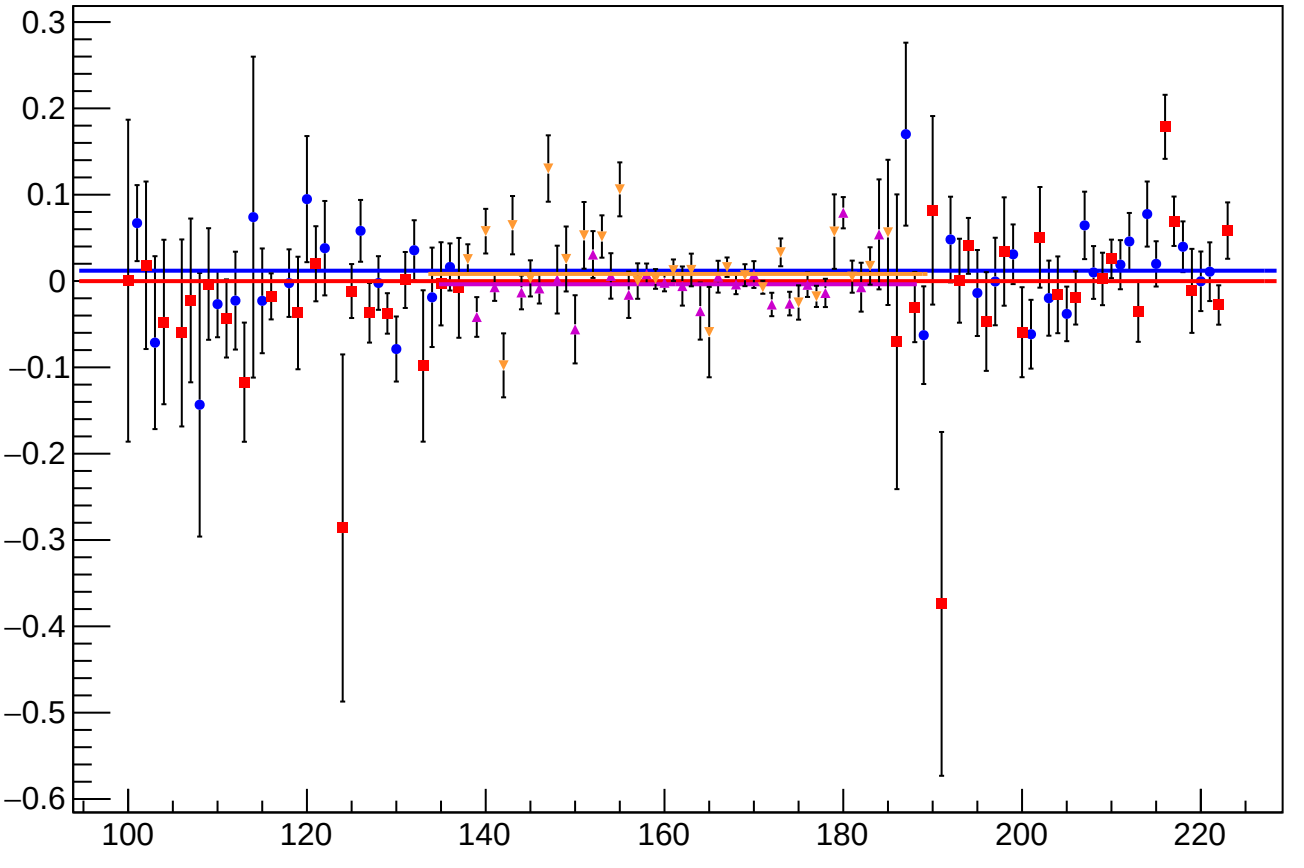
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.445+/-0.003 χ^2/NDF: 9006783.4/72

In: 16.635+/-0.002 χ^2/NDF:14188573.6/56

Out: 15.375+/-0.002 χ^2/NDF:20390835.9/63

All: 15.975+/-0.002 χ^2/NDF: 34741097.8/120



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

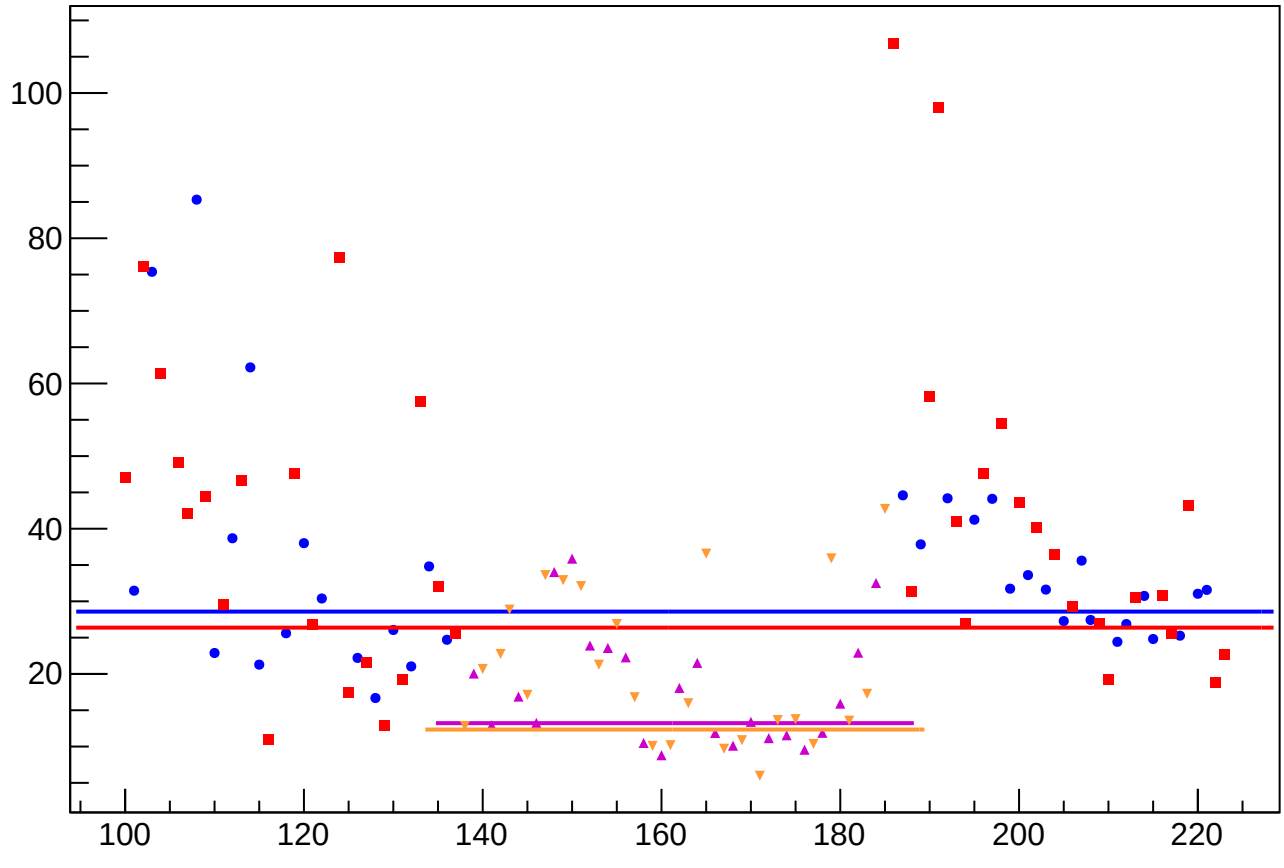
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.006+/-0.005 χ^2/NDF: 94.1/72

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.006+/-0.003 χ^2/NDF:118.7/63

All: 0.003+/-0.002 χ^2/NDF: 196.2/120



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

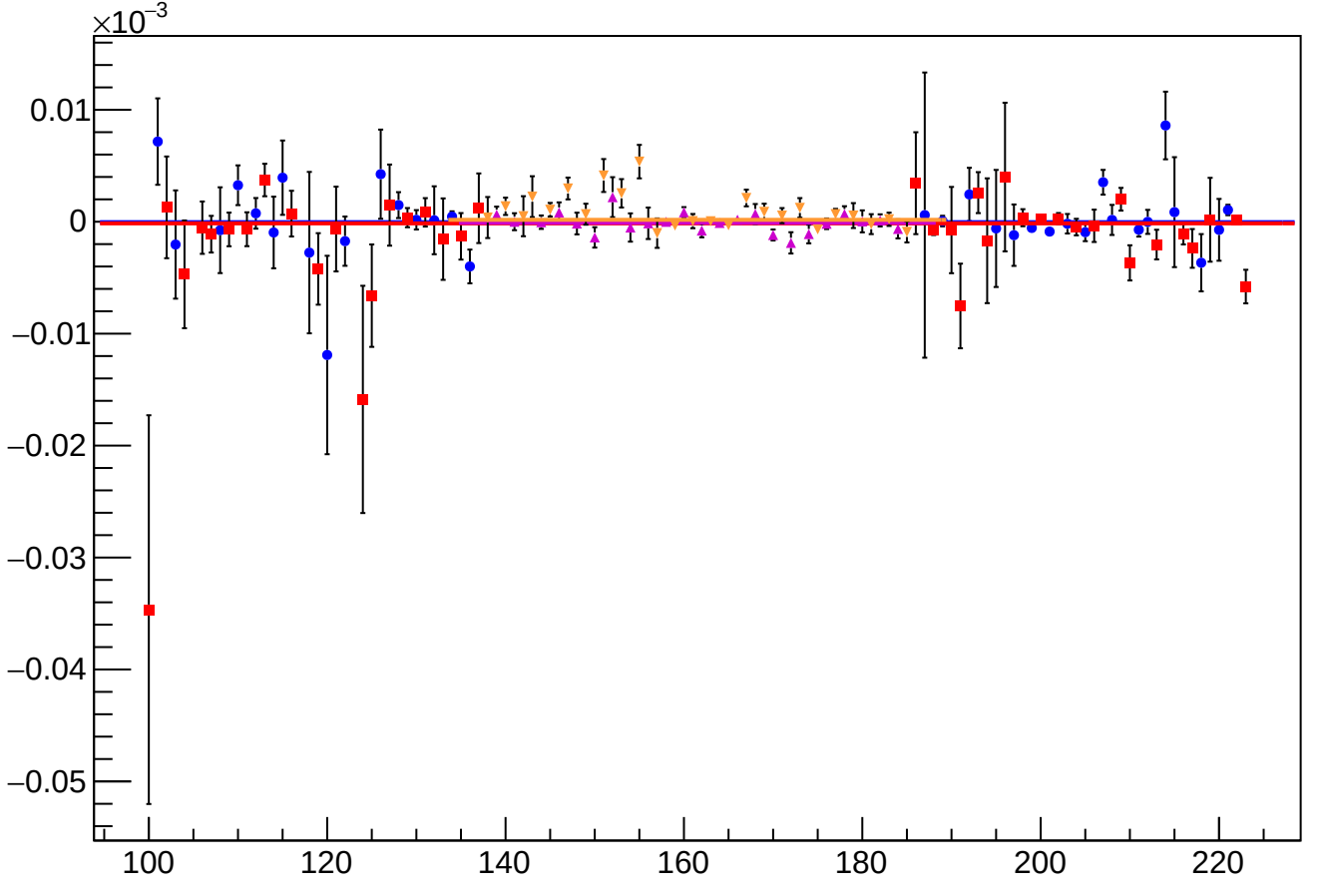
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.445+/-0.003 χ^2/NDF: 9006783.4/72

In: 16.635+/-0.002 χ^2/NDF:14188573.6/56

Out: 15.375+/-0.002 χ^2/NDF:20390835.9/63

All: 15.975+/-0.002 χ^2/NDF: 34741097.8/120



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

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

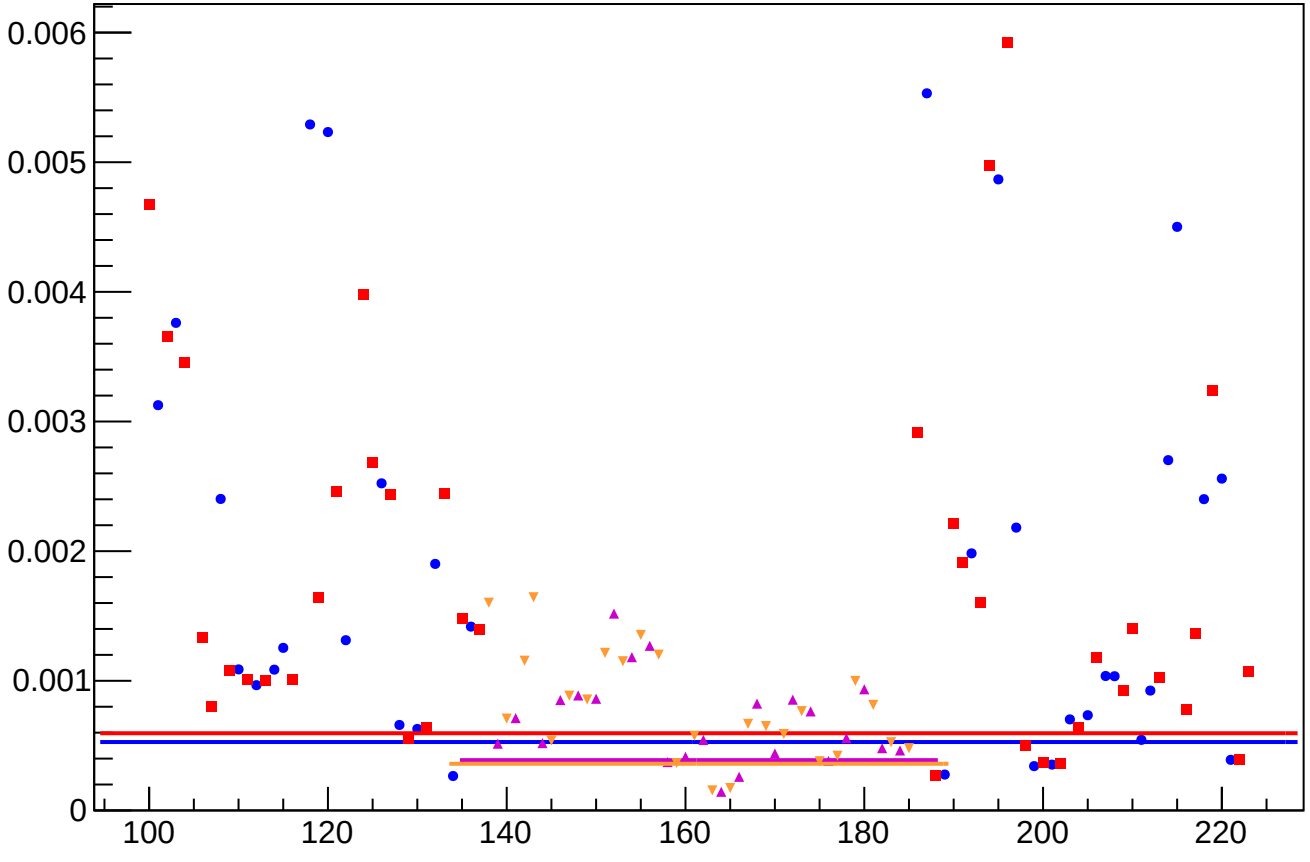
Right: -0.000+/-0.000 χ^2/NDF: 119.9/72

In: -0.000+/-0.000 χ^2/NDF:83.4/56

Out: 0.000+/-0.000 χ^2/NDF:124.7/63

All: 0.000+/-0.000 χ^2/NDF: 209.6/120

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

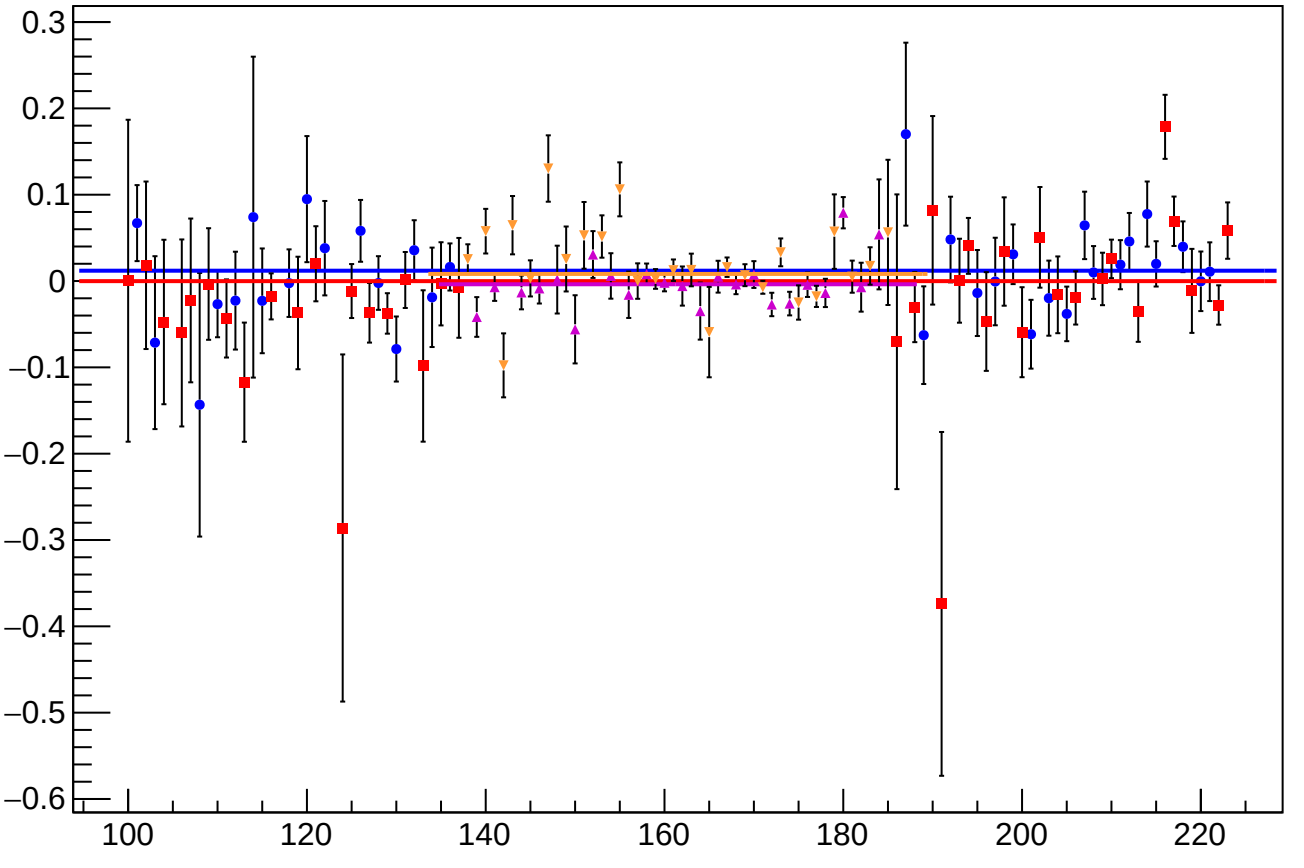
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 32647778.8/72

In: 0.000+/-0.000 χ^2/NDF:28814807.8/56

Out: 0.000+/-0.000 χ^2/NDF:31925509.1/63

All: 0.000+/-0.000 χ^2/NDF: 60755075.1/120



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

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

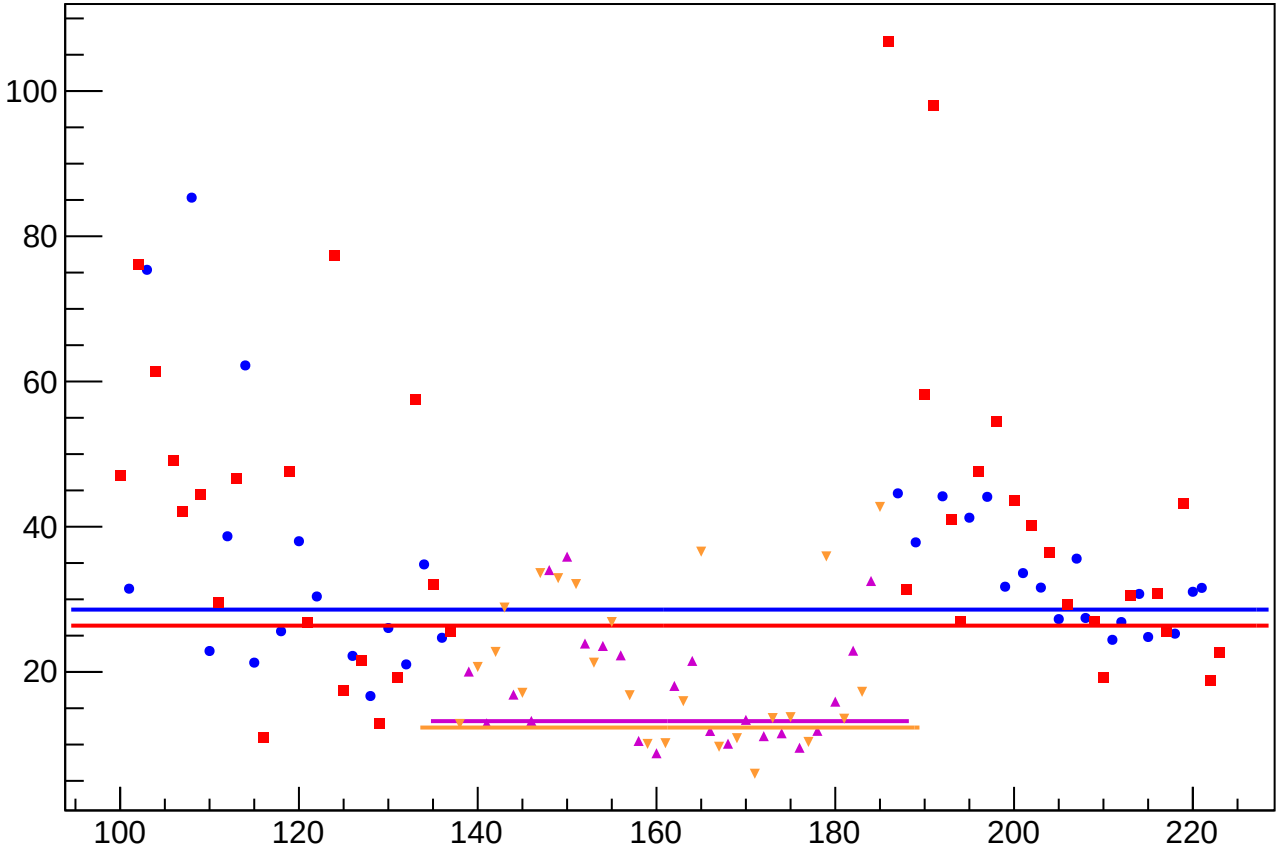
Right: 0.006+/-0.005 χ^2/NDF: 94.1/72

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.006+/-0.003 χ^2/NDF:118.7/63

All: 0.003+/-0.002 χ^2/NDF: 196.2/120

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

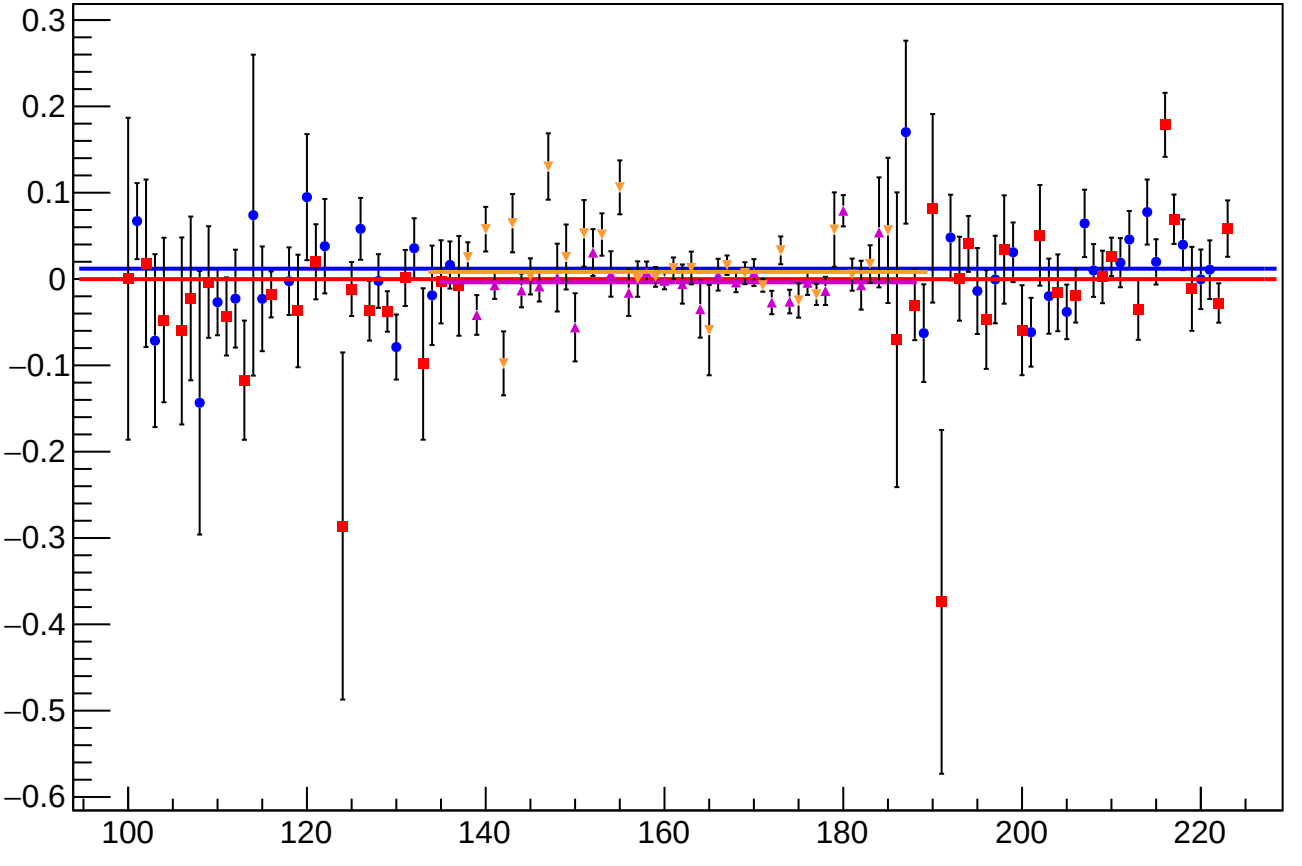
Right: 27.445+/-0.003 χ^2/NDF: 9006372.3/72

In: 16.635+/-0.002 χ^2/NDF:14188852.2/56

Out: 15.375+/-0.002 χ^2/NDF:20391000.1/63

All: 15.975+/-0.002 χ^2/NDF: 34741525.9/120

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

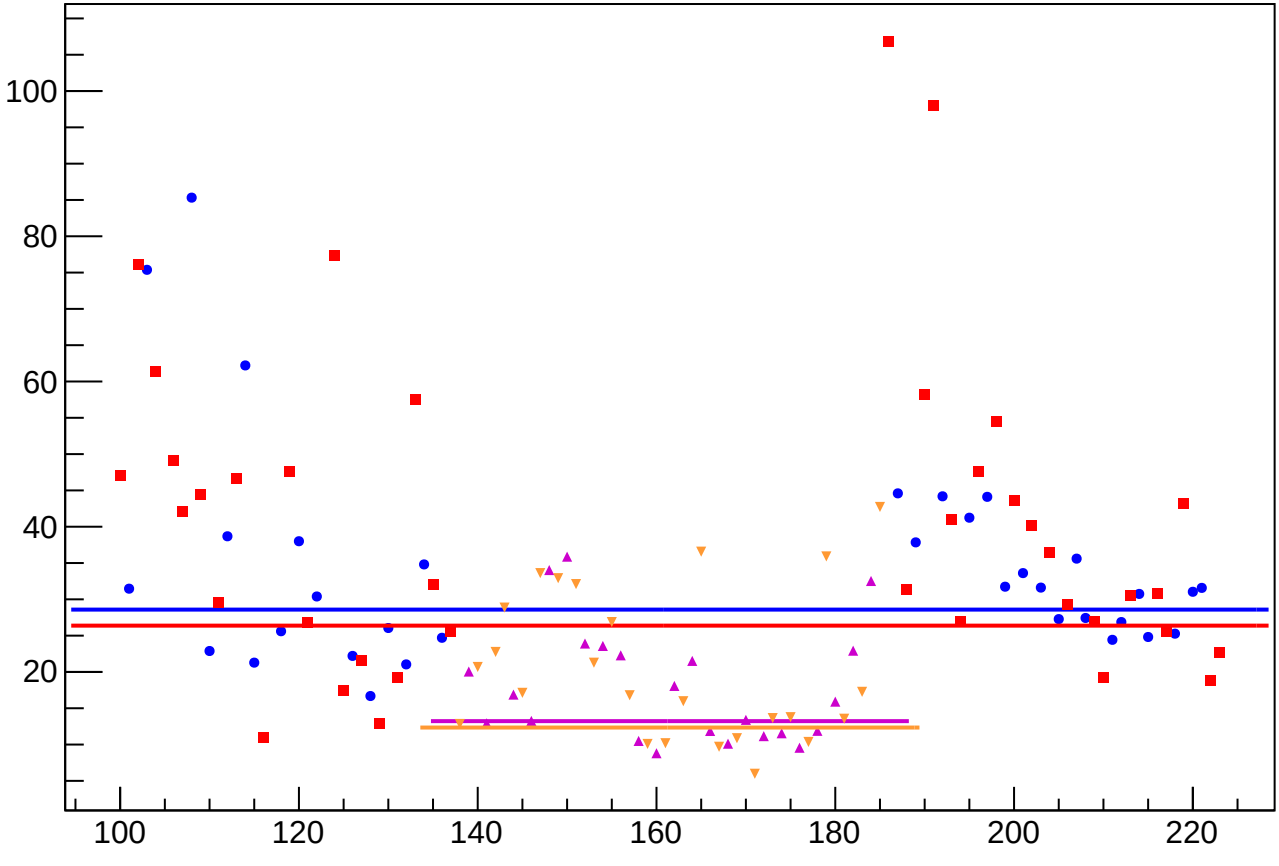
Right: 0.006+/-0.005 χ^2/NDF: 94.1/72

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.006+/-0.003 χ^2/NDF:118.7/63

All: 0.003+/-0.002 χ^2/NDF: 196.2/120

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

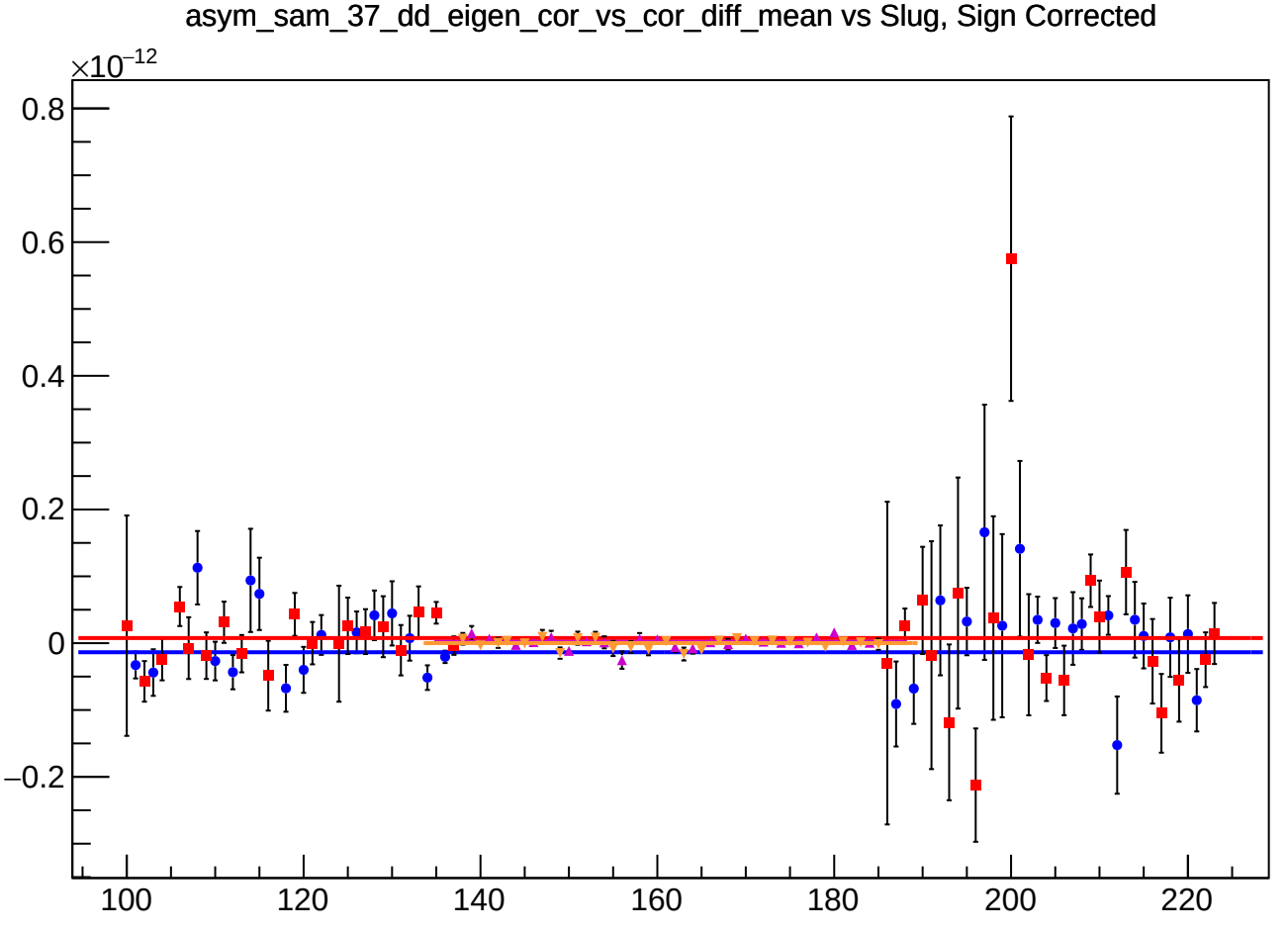
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.445+/-0.003 χ^2/NDF: 9006372.3/72

In: 16.635+/-0.002 χ^2/NDF:14188852.2/56

Out: 15.375+/-0.002 χ^2/NDF:20391000.1/63

All: 15.975+/-0.002 χ^2/NDF: 34741525.9/120



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

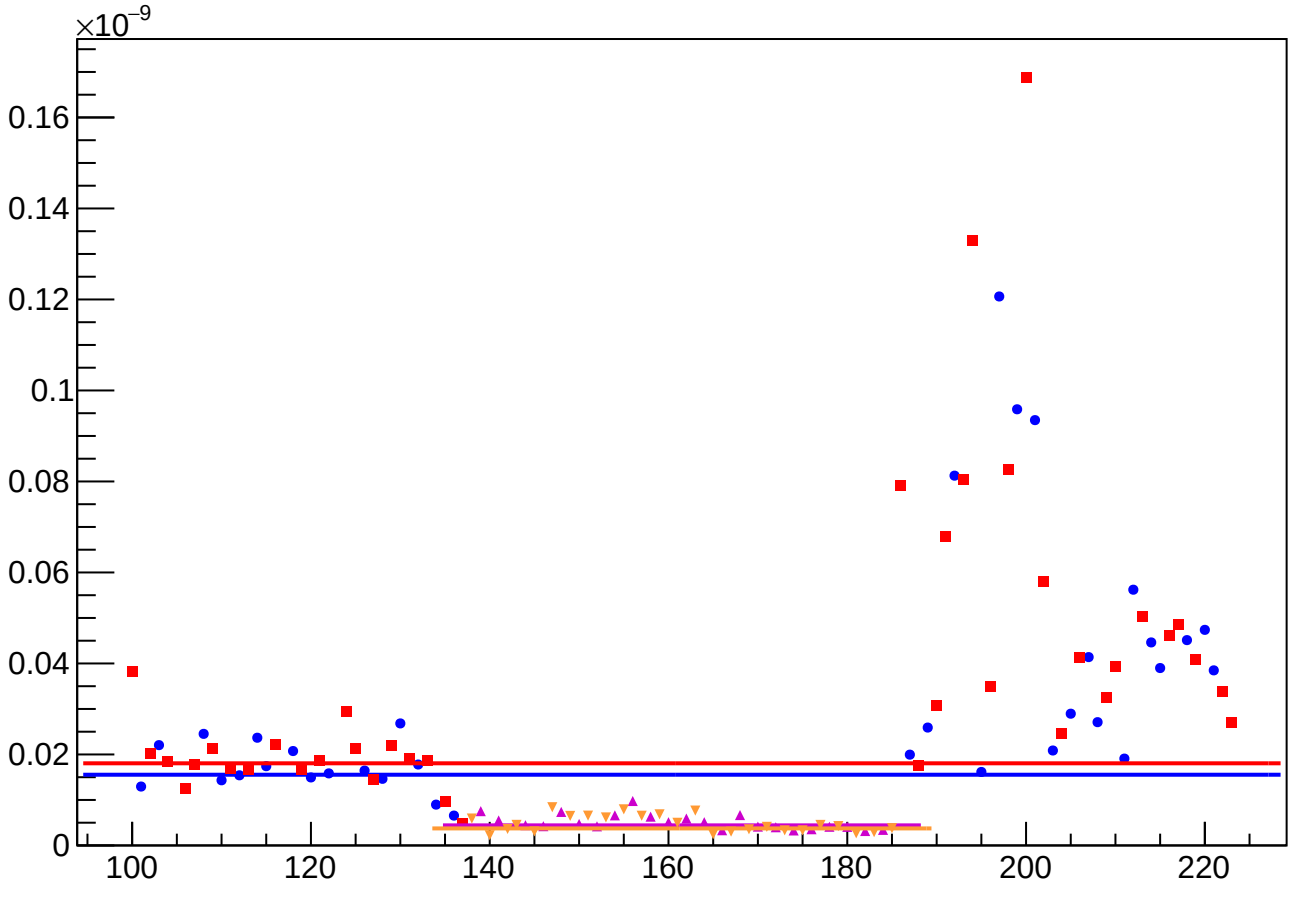
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 110.3/72

In: 0.000+/-0.000 χ^2/NDF:81.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.6/63

All: 0.000+/-0.000 χ^2/NDF: 159.7/120



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

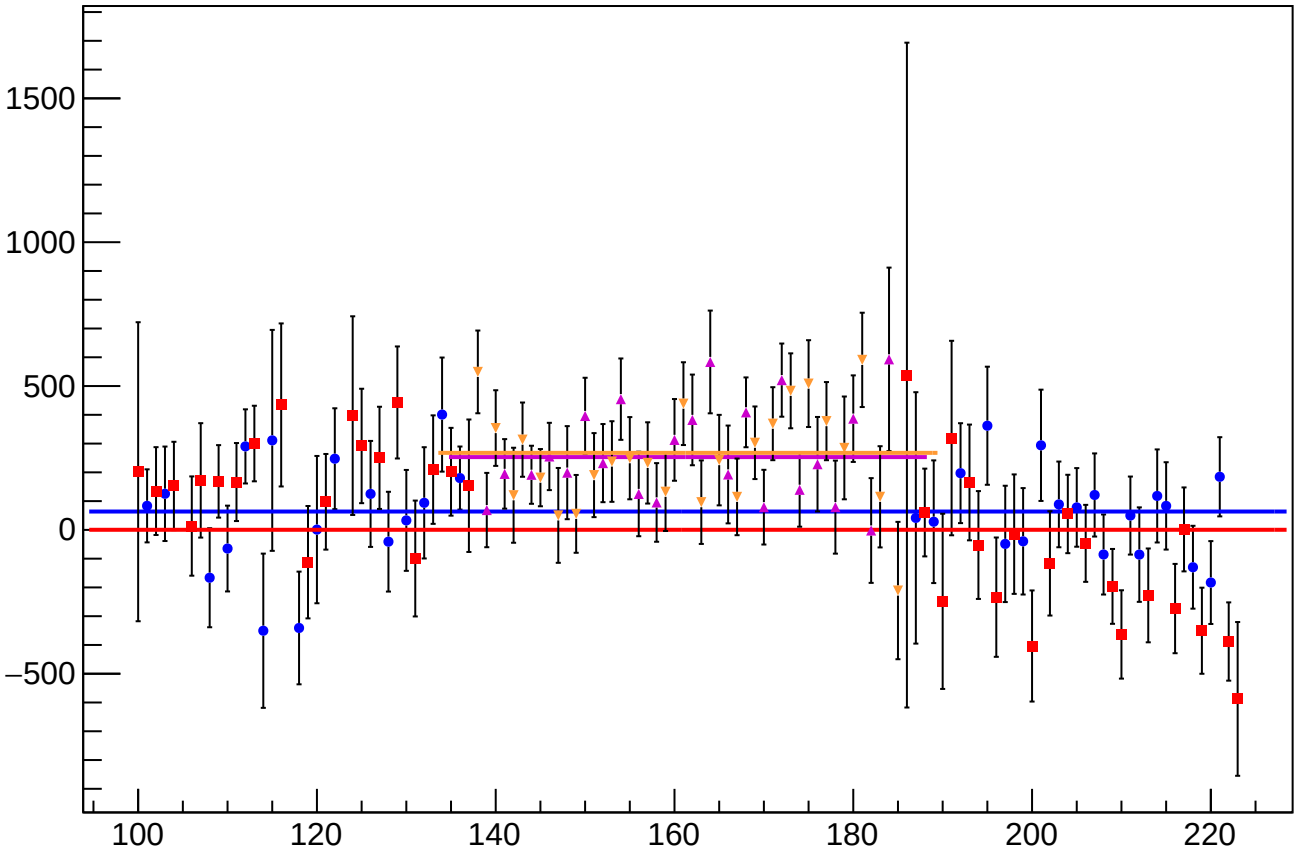
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 19041933.1/72

In: 0.000+/-0.000 χ^2/NDF:19234272.7/56

Out: 0.000+/-0.000 χ^2/NDF:23632677.5/63

All: 0.000+/-0.000 χ^2/NDF: 43274888.6/120



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

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

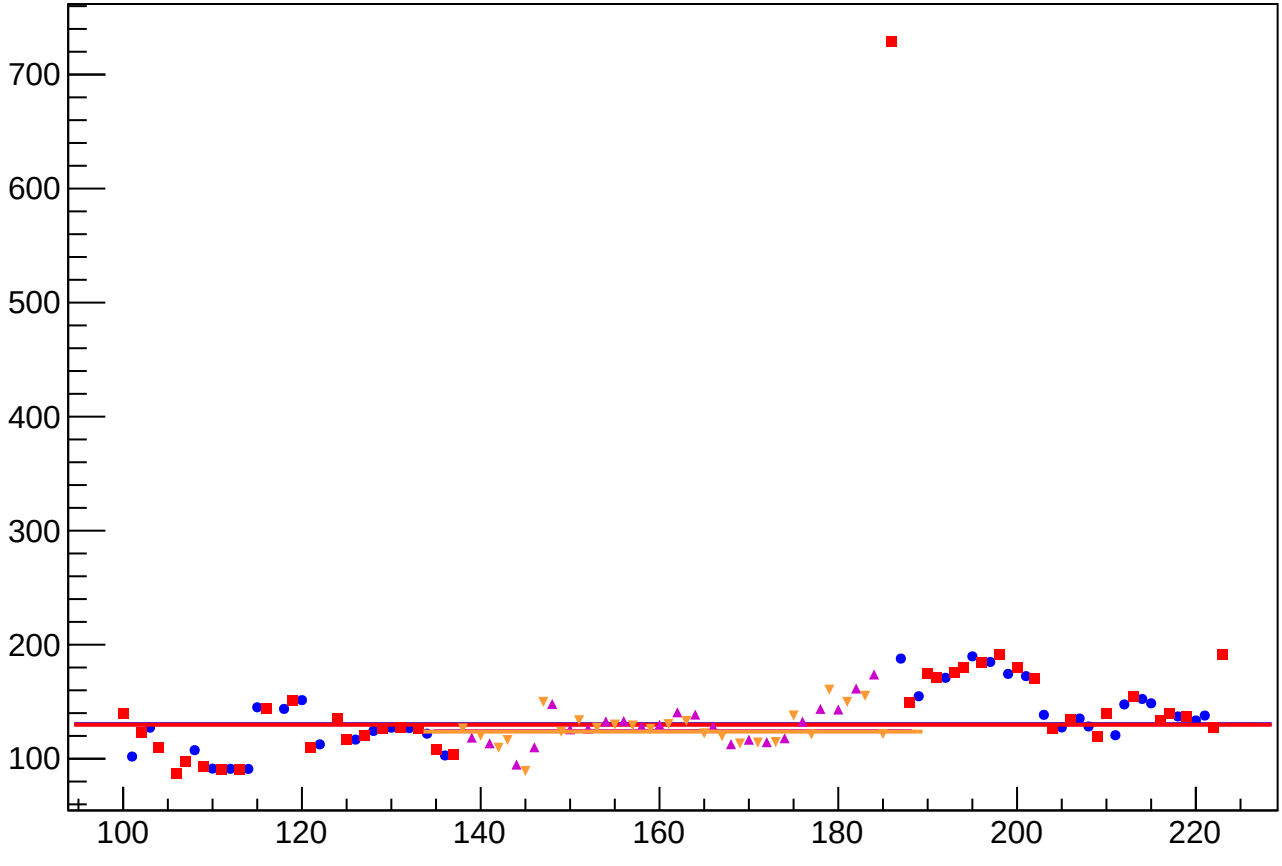
Right: 31.750+/-19.909 χ^2/NDF: 102.7/72

In: 155.117+/-20.361 χ^2/NDF:78.9/56

Out: 132.180+/-19.945 χ^2/NDF:144.9/63

All: 143.412+/-14.248 χ^2/NDF: 224.5/120

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

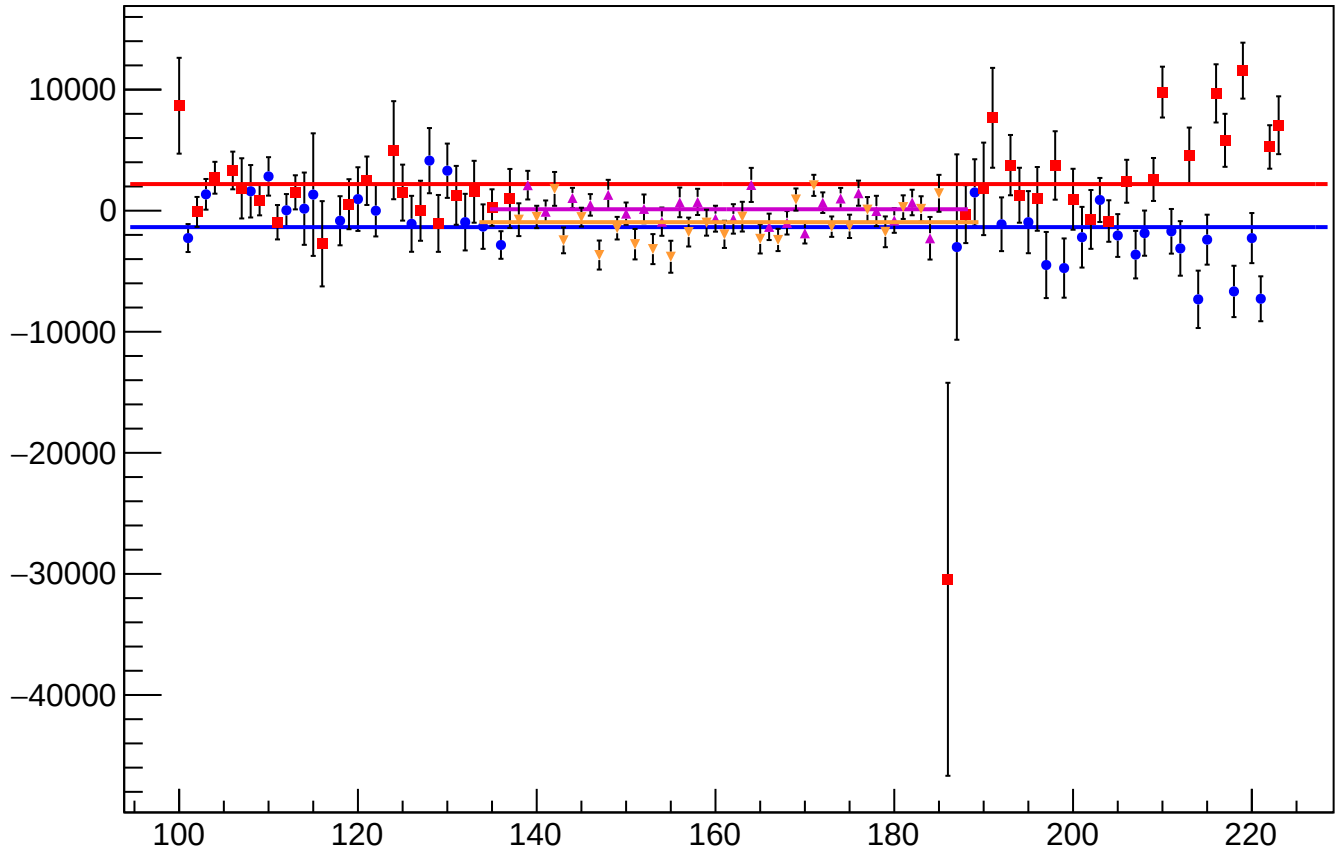
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 130.053+/-0.014 χ^2/NDF: 4014674.6/72

In: 127.366+/-0.014 χ^2/NDF:2102937.5/56

Out: 126.870+/-0.014 χ^2/NDF:3156453.0/63

All: 127.113+/-0.010 χ^2/NDF: 5259997.9/120



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

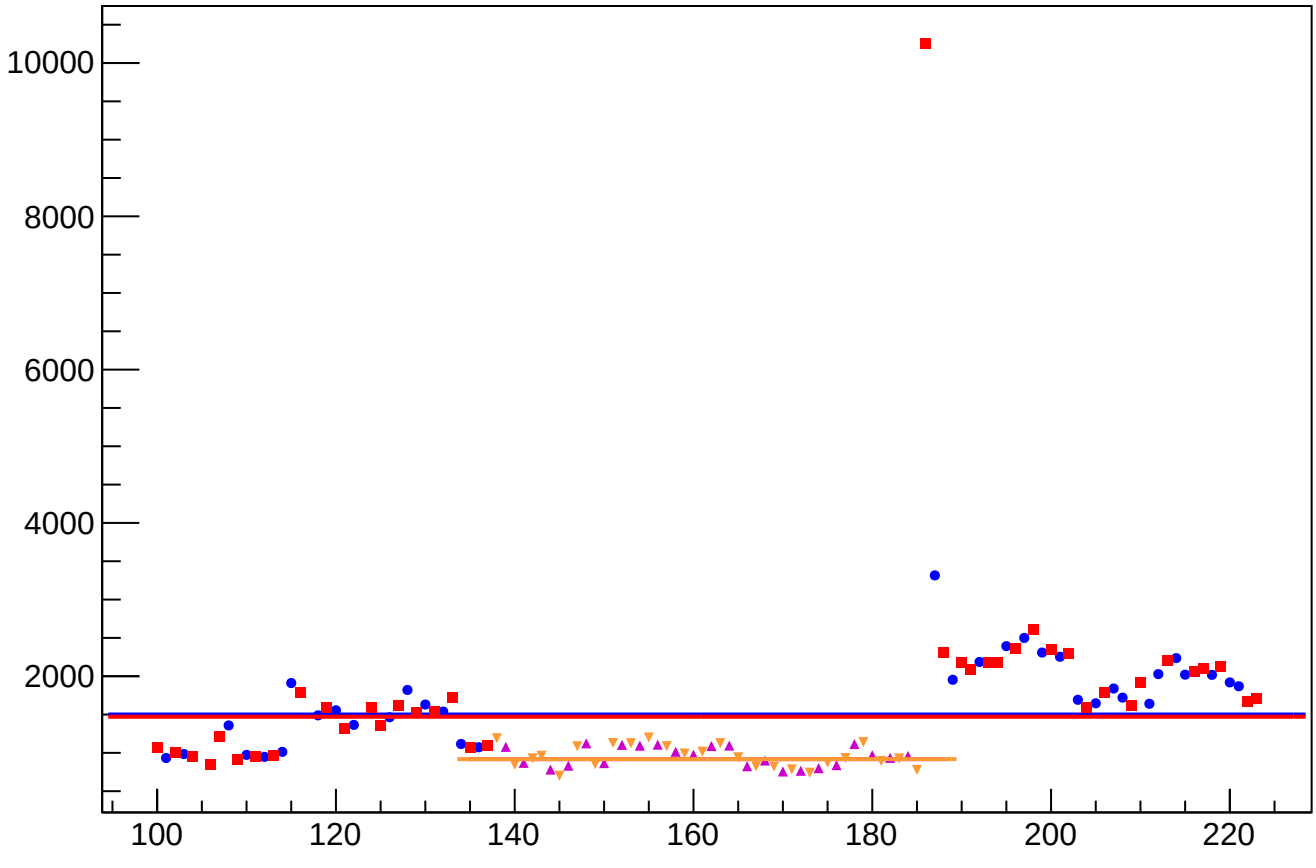
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 462.544+/-234.750 χ^2/NDF: 199.9/72

In: -316.391+/-182.386 χ^2/NDF:96.5/56

Out: -22.535+/-177.944 χ^2/NDF:199.2/63

All: -165.841+/-127.367 χ^2/NDF: 297.0/120



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

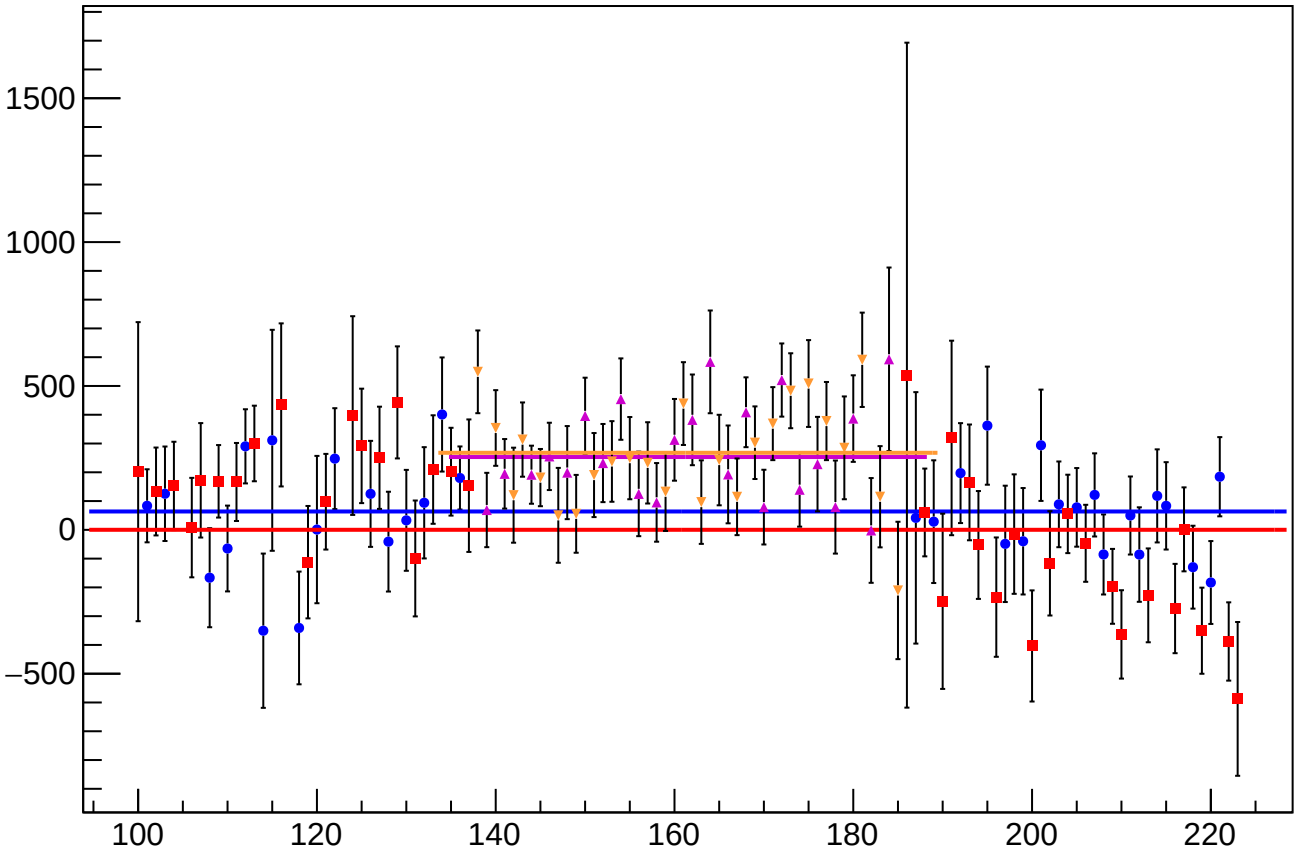
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1485.400+/-0.166 χ^2/NDF: 9323240.1/72

In: 1089.745+/-0.129 χ^2/NDF:8873953.3/56

Out: 1081.036+/-0.126 χ^2/NDF:10235177.7/63

All: 1085.283+/-0.090 χ^2/NDF: 19111467.6/1



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

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

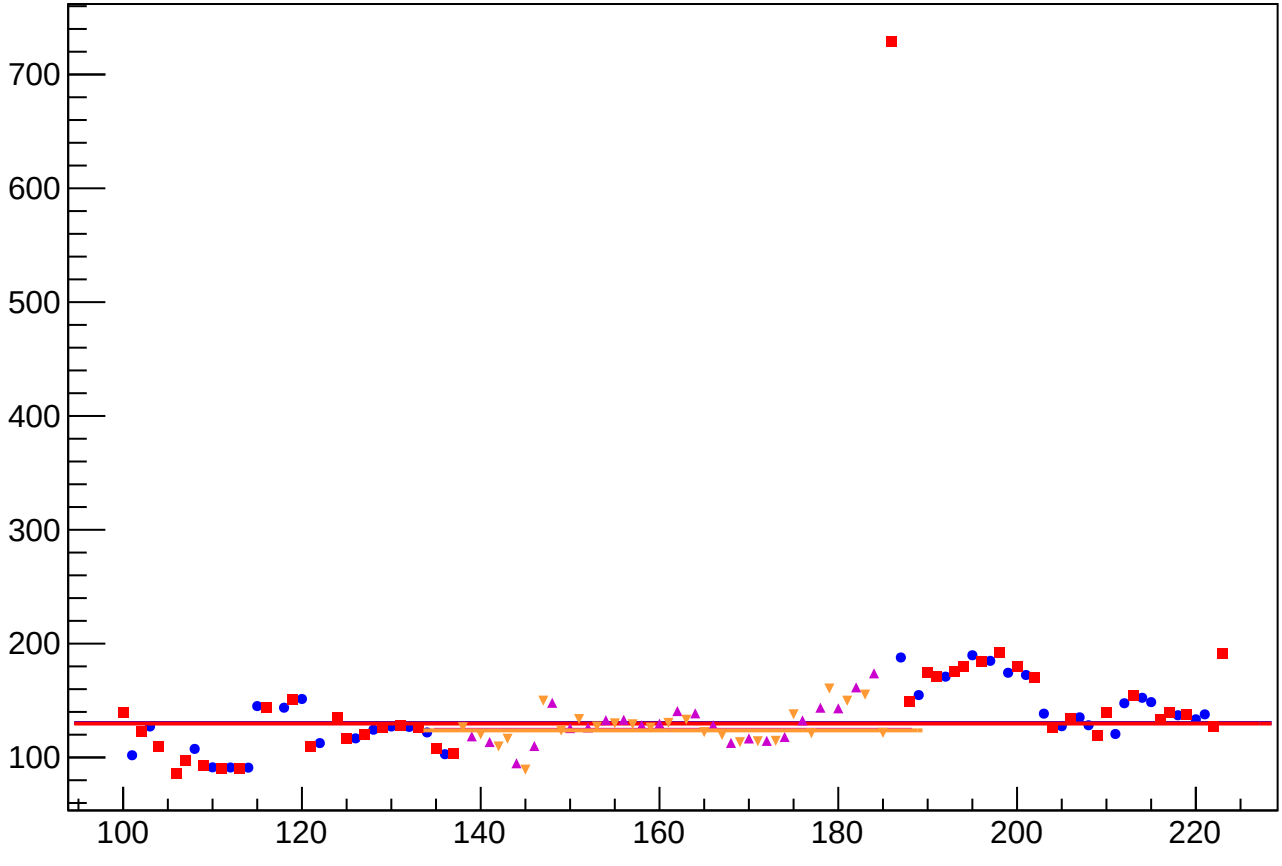
Right: 31.648+/-19.910 χ^2/NDF: 102.6/72

In: 155.116+/-20.361 χ^2/NDF:78.9/56

Out: 132.092+/-19.946 χ^2/NDF:144.9/63

All: 143.366+/-14.248 χ^2/NDF: 224.5/120

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

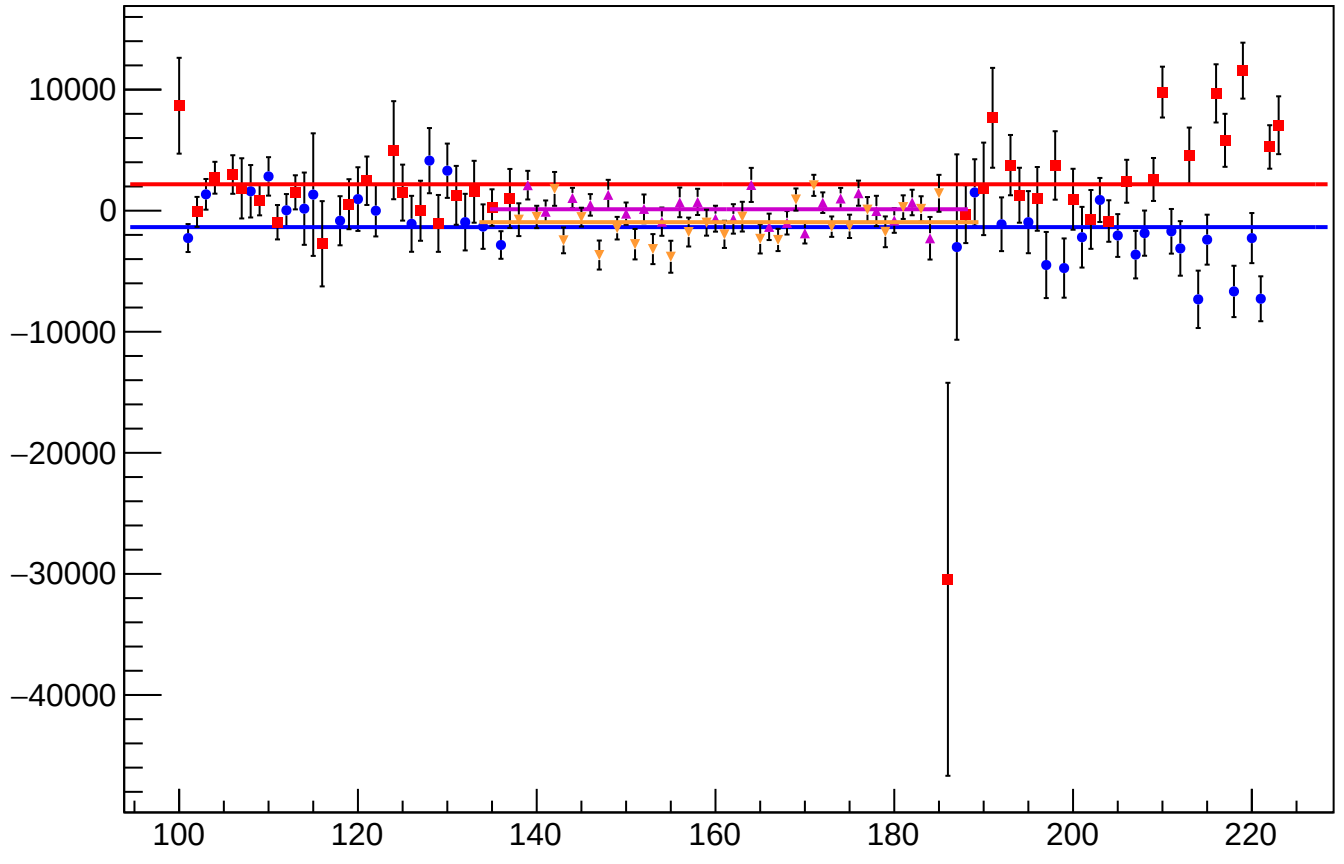
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 130.041+/-0.014 χ^2/NDF: 4020839.1/72

In: 127.366+/-0.014 χ^2/NDF:2102937.6/56

Out: 126.857+/-0.014 χ^2/NDF:3162225.5/63

All: 127.107+/-0.010 χ^2/NDF: 5265801.0/120



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

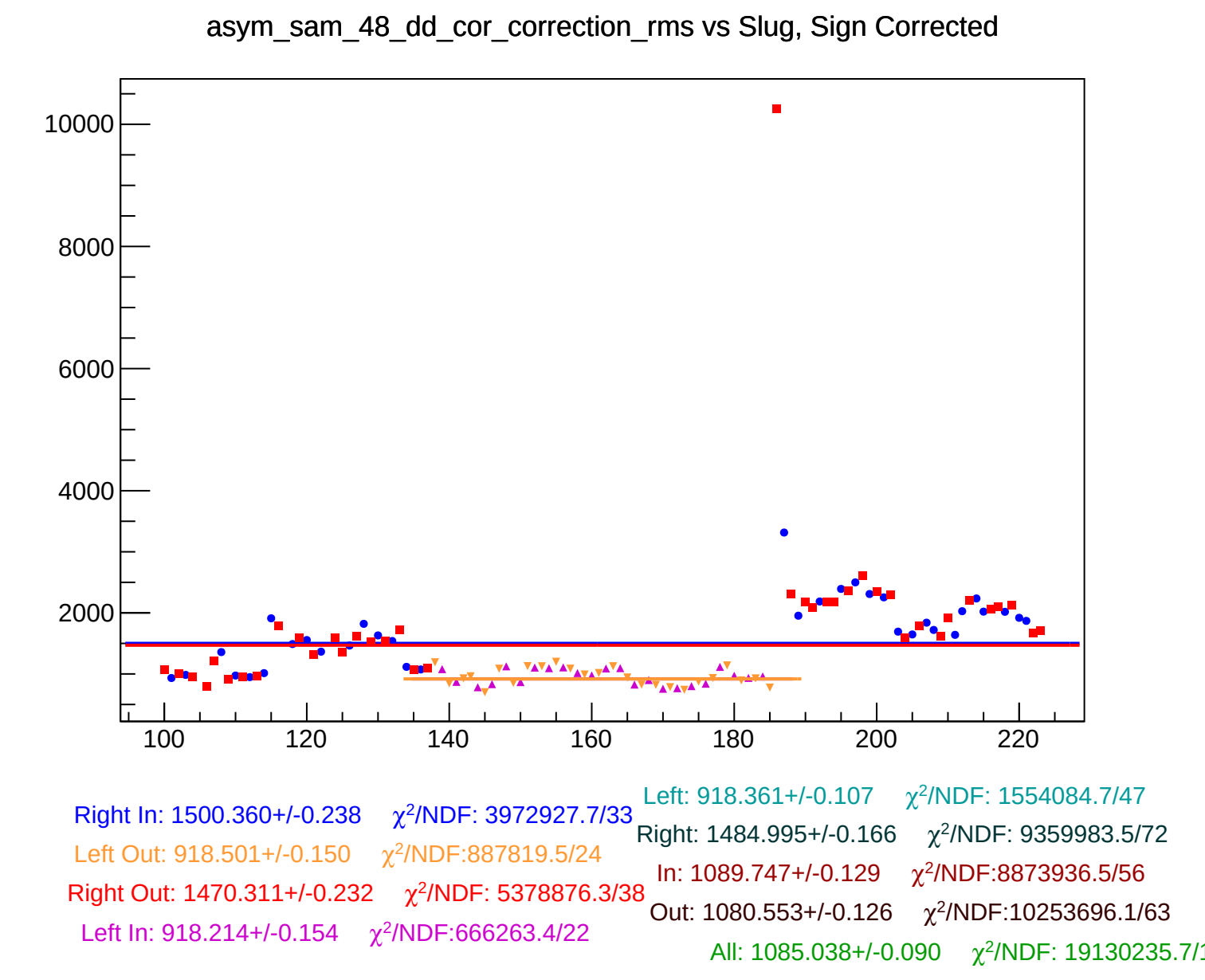
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

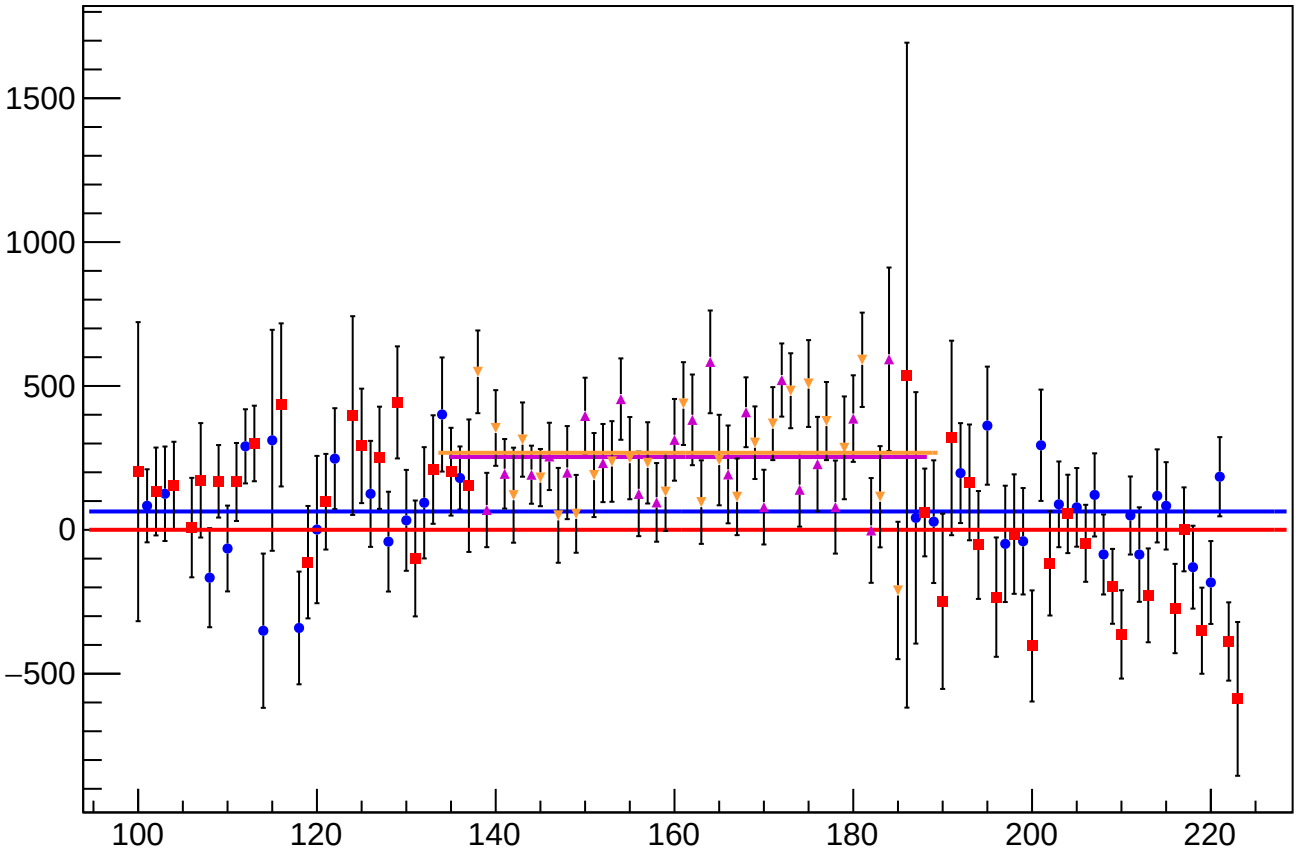
Right: 452.379+/-234.876 χ^2/NDF: 199.0/72

In: -316.404+/-182.386 χ^2/NDF:96.5/56

Out: -28.651+/-177.998 χ^2/NDF:198.1/63

All: -169.025+/-127.387 χ^2/NDF: 295.9/120


asym_sam_48_dd_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1500.360+/-0.238 χ²/NDF: 3972927.7/33
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1470.311+/-0.232 χ²/NDF: 5378876.3/38
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1484.995+/-0.166 χ²/NDF: 9359983.5/72
In: 1089.747+/-0.129 χ²/NDF:8873936.5/56
Out: 1080.553+/-0.126 χ²/NDF:10253696.1/63
All: 1085.038+/-0.090 χ²/NDF: 19130235.7/1



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

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

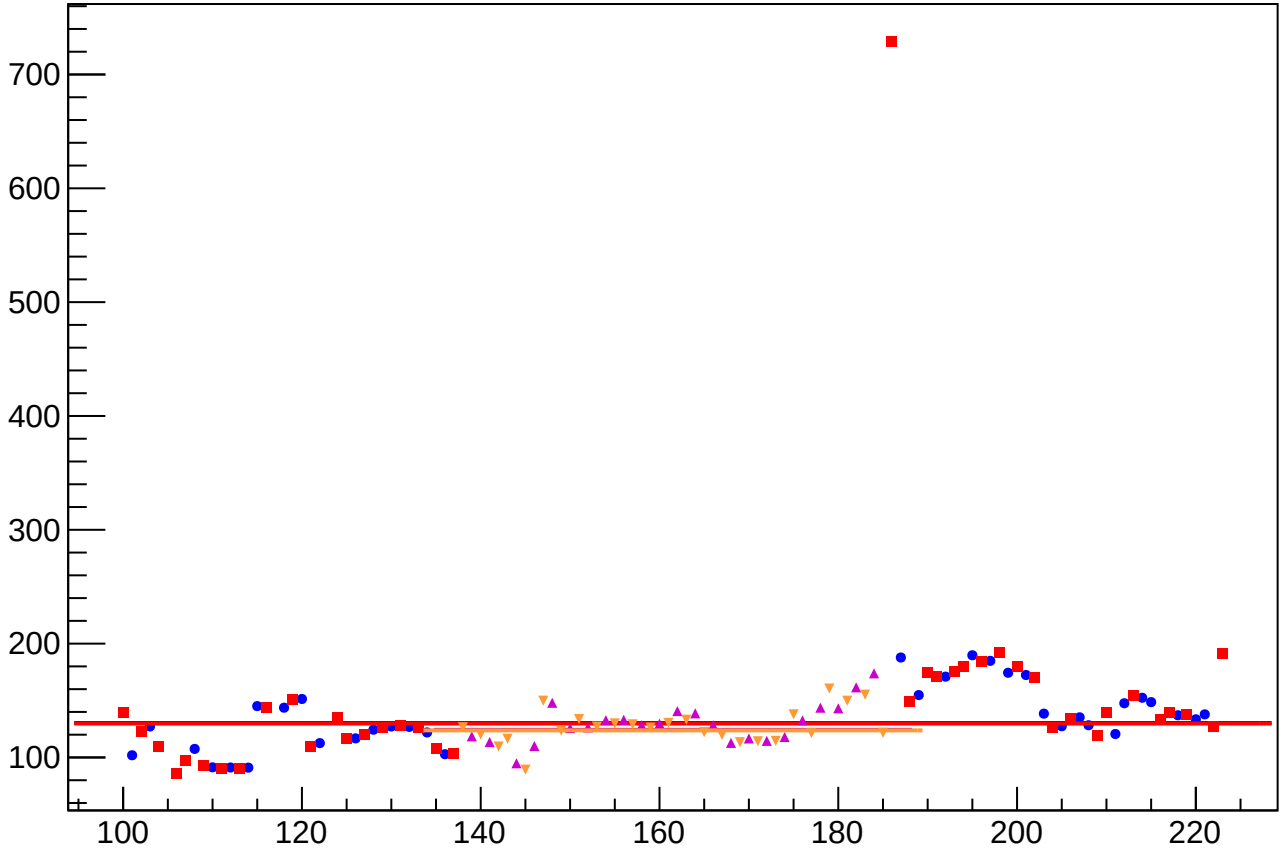
Right: 31.648+/-19.910 χ^2/NDF: 102.6/72

In: 155.116+/-20.361 χ^2/NDF:78.9/56

Out: 132.092+/-19.946 χ^2/NDF:144.9/63

All: 143.366+/-14.248 χ^2/NDF: 224.5/120

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

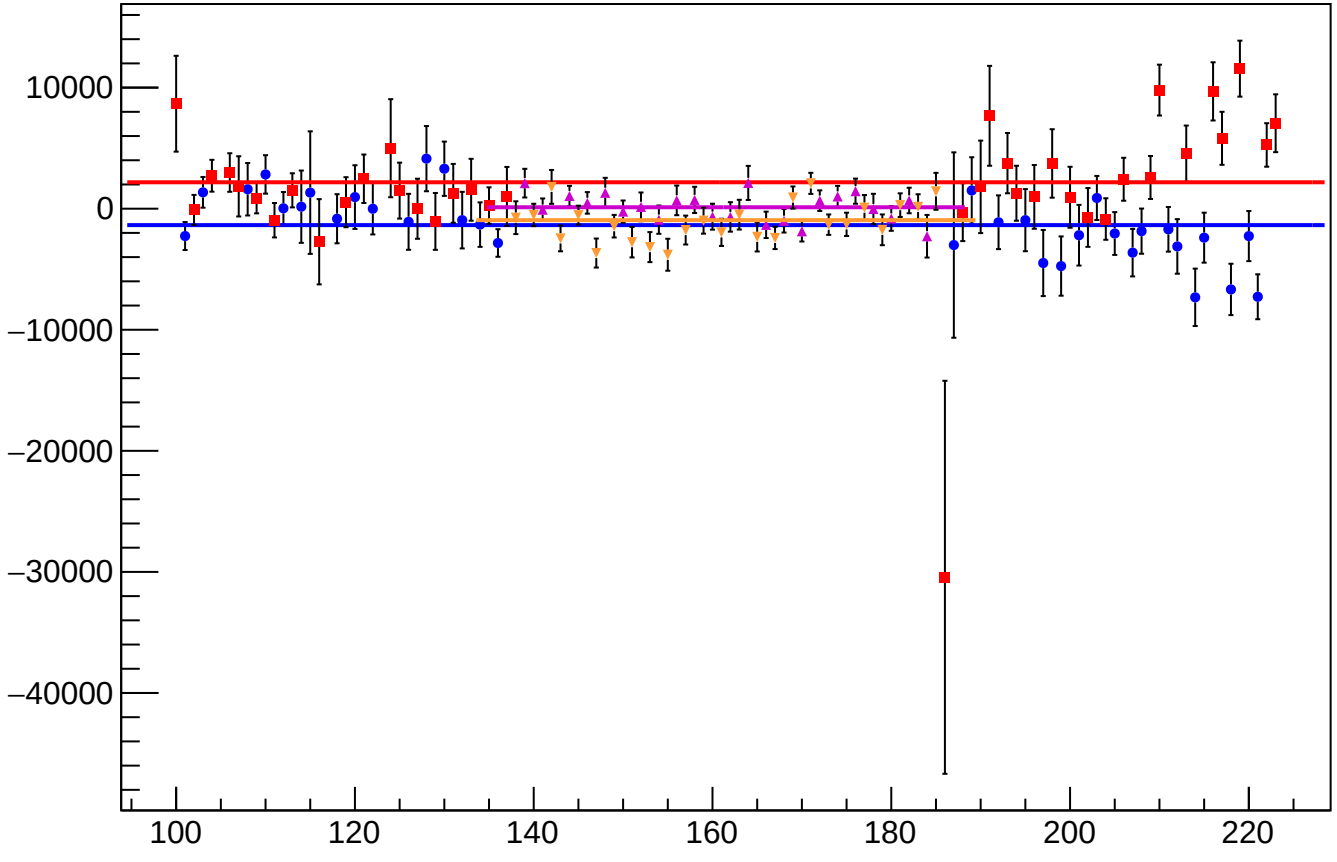
Right: 130.041+/-0.014 χ^2/NDF: 4020839.1/72

In: 127.366+/-0.014 χ^2/NDF:2102937.6/56

Out: 126.857+/-0.014 χ^2/NDF:3162225.5/63

All: 127.107+/-0.010 χ^2/NDF: 5265801.0/120

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

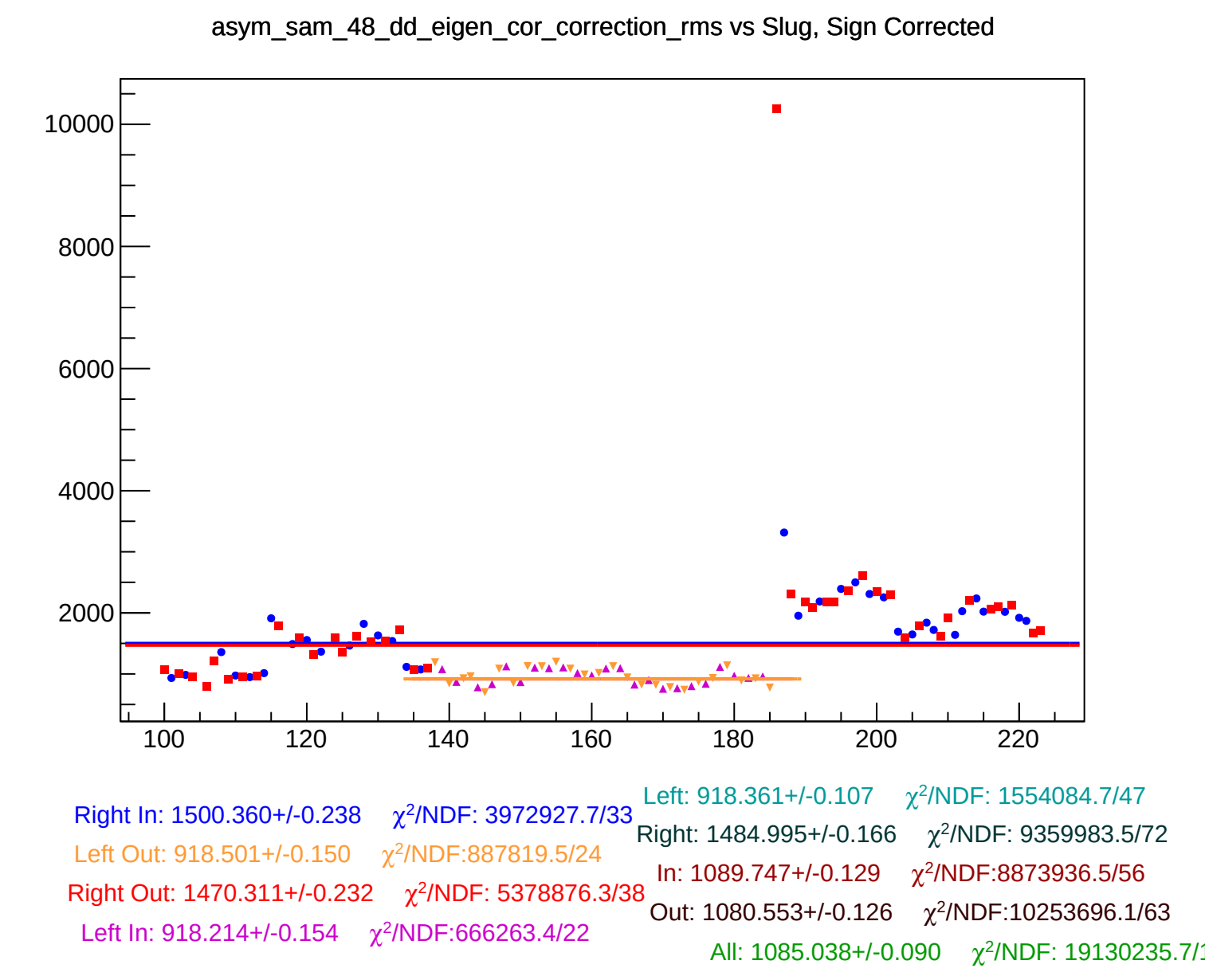
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 452.379+/-234.876 χ^2/NDF: 199.0/72

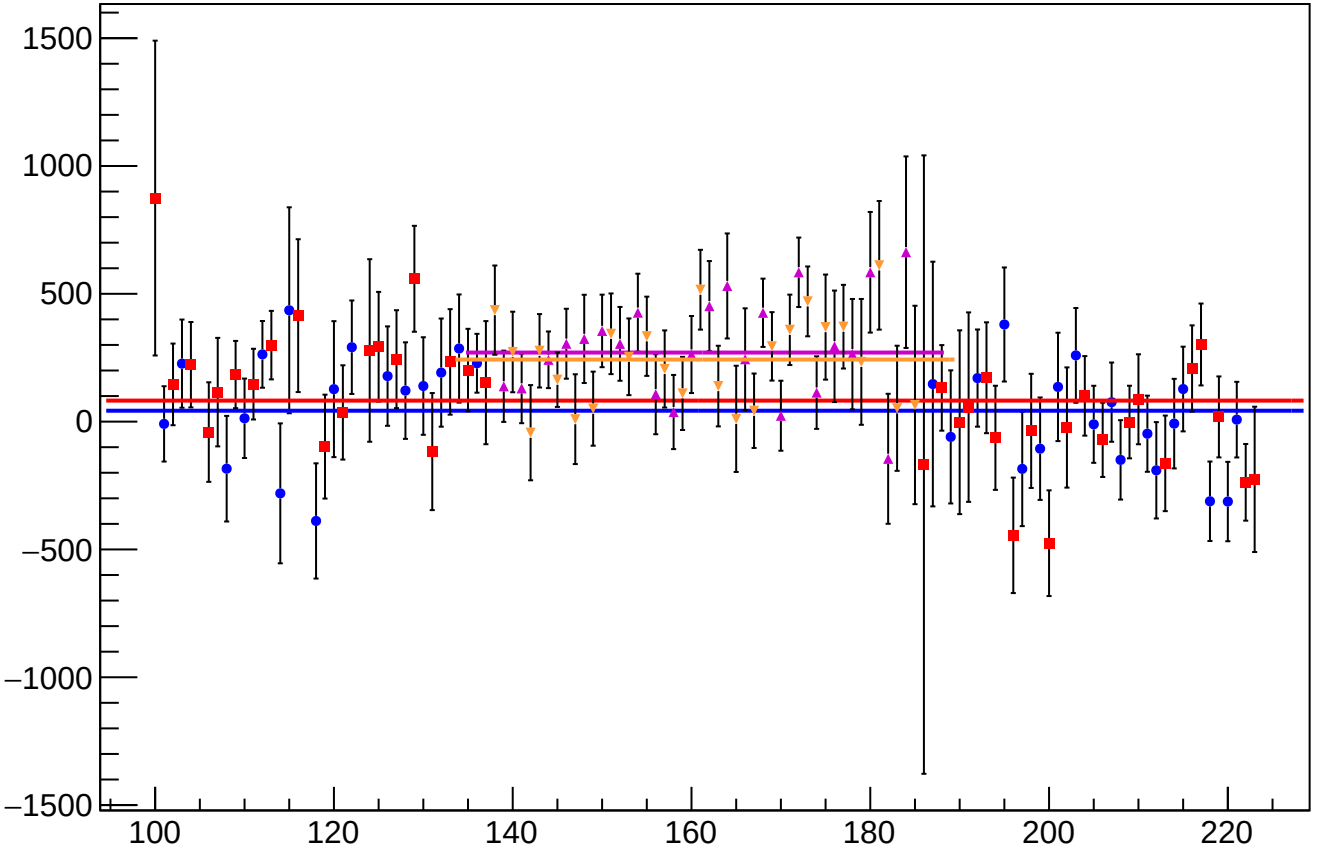
In: -316.404+/-182.386 χ^2/NDF:96.5/56

Out: -28.651+/-177.998 χ^2/NDF:198.1/63

All: -169.025+/-127.387 χ^2/NDF: 295.9/120


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1500.360+/-0.238 χ²/NDF: 3972927.7/33
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1470.311+/-0.232 χ²/NDF: 5378876.3/38
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1484.995+/-0.166 χ²/NDF: 9359983.5/72
In: 1089.747+/-0.129 χ²/NDF:8873936.5/56
Out: 1080.553+/-0.126 χ²/NDF:10253696.1/63
All: 1085.038+/-0.090 χ²/NDF: 19130235.7/

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

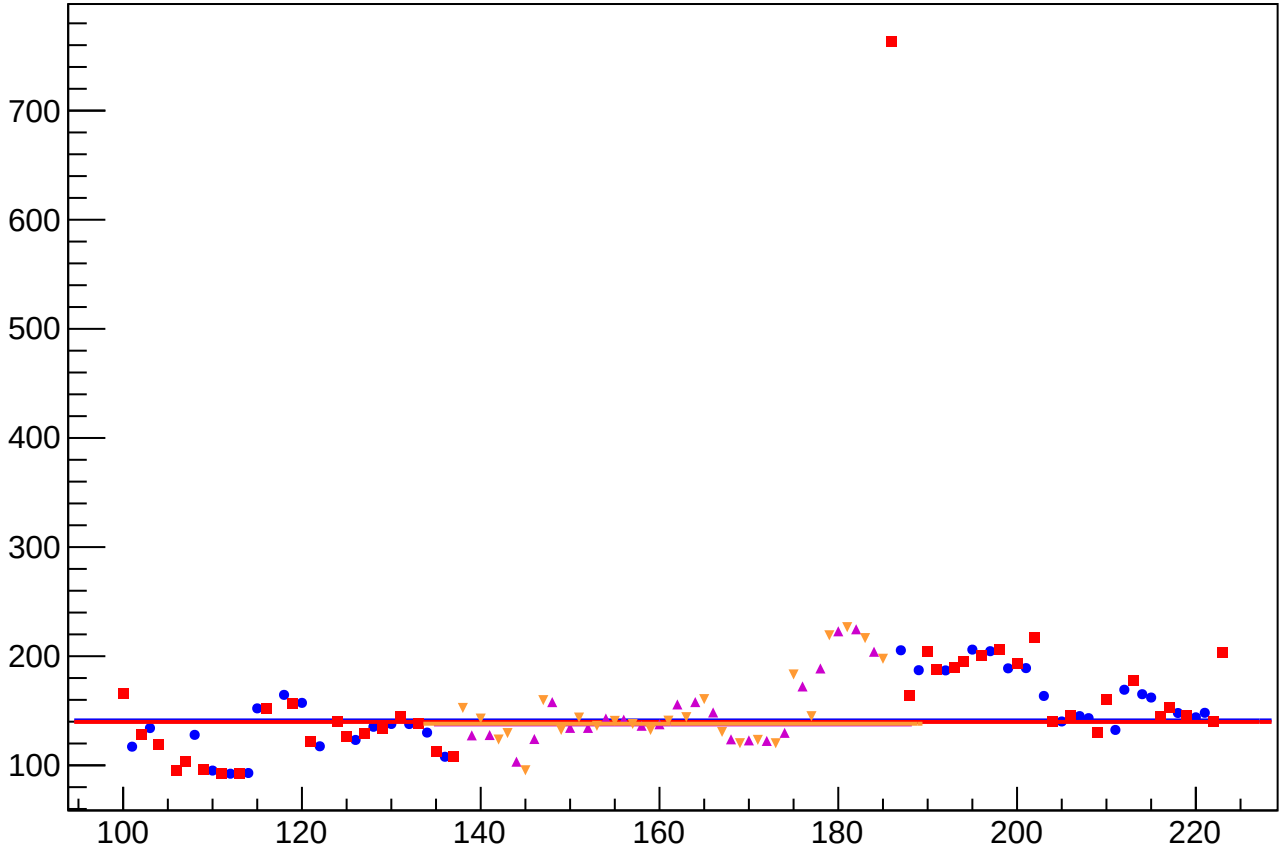
Right: 62.777+/-21.653 χ^2/NDF: 83.3/72

In: 149.227+/-22.508 χ^2/NDF:91.3/56

Out: 158.072+/-22.079 χ^2/NDF:80.1/63

All: 153.735+/-15.762 χ^2/NDF: 171.5/120

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

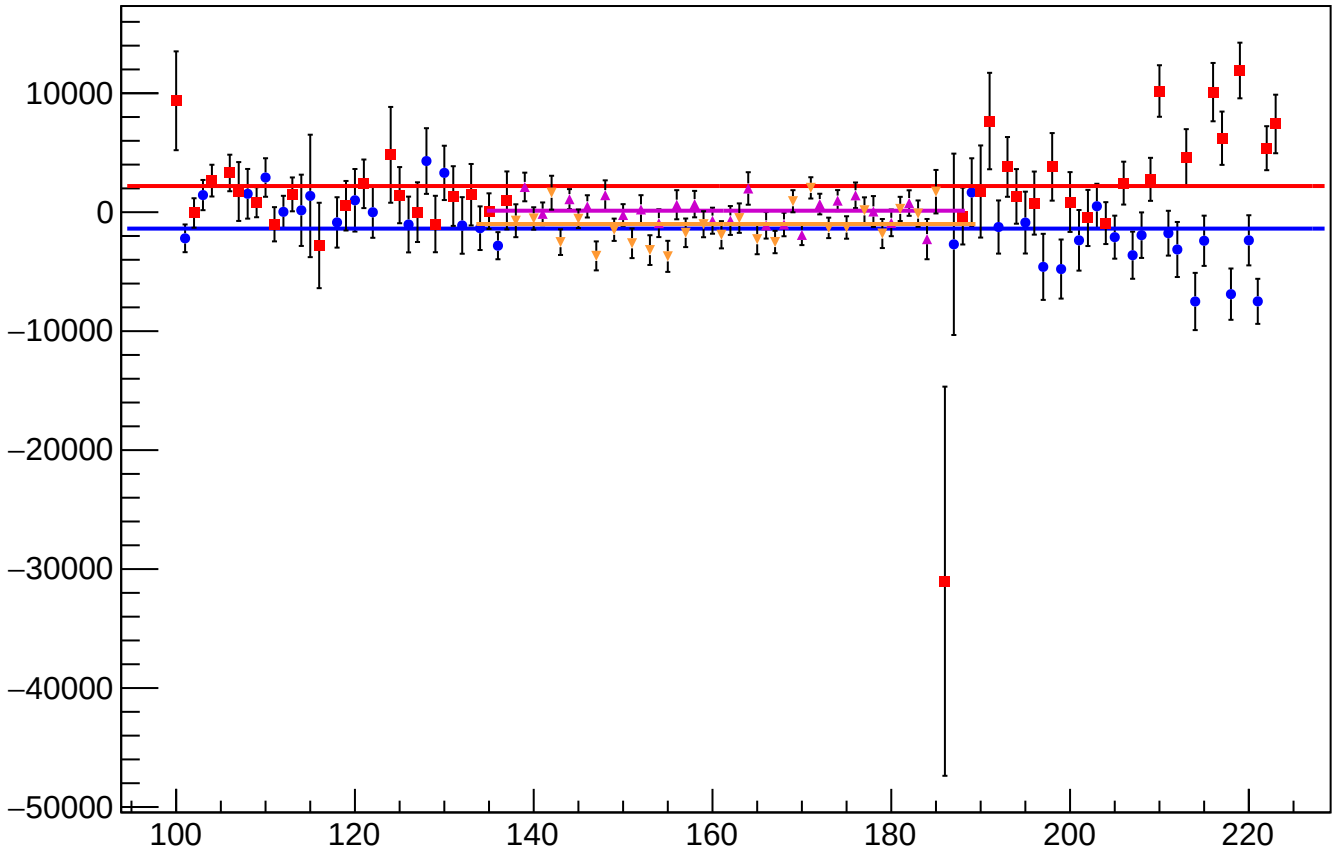
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 140.451+/-0.015 χ^2/NDF: 4648819.6/72

In: 139.437+/-0.016 χ^2/NDF:2882769.8/56

Out: 138.997+/-0.016 χ^2/NDF:4227606.2/63

All: 139.213+/-0.011 χ^2/NDF: 7110765.1/120



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

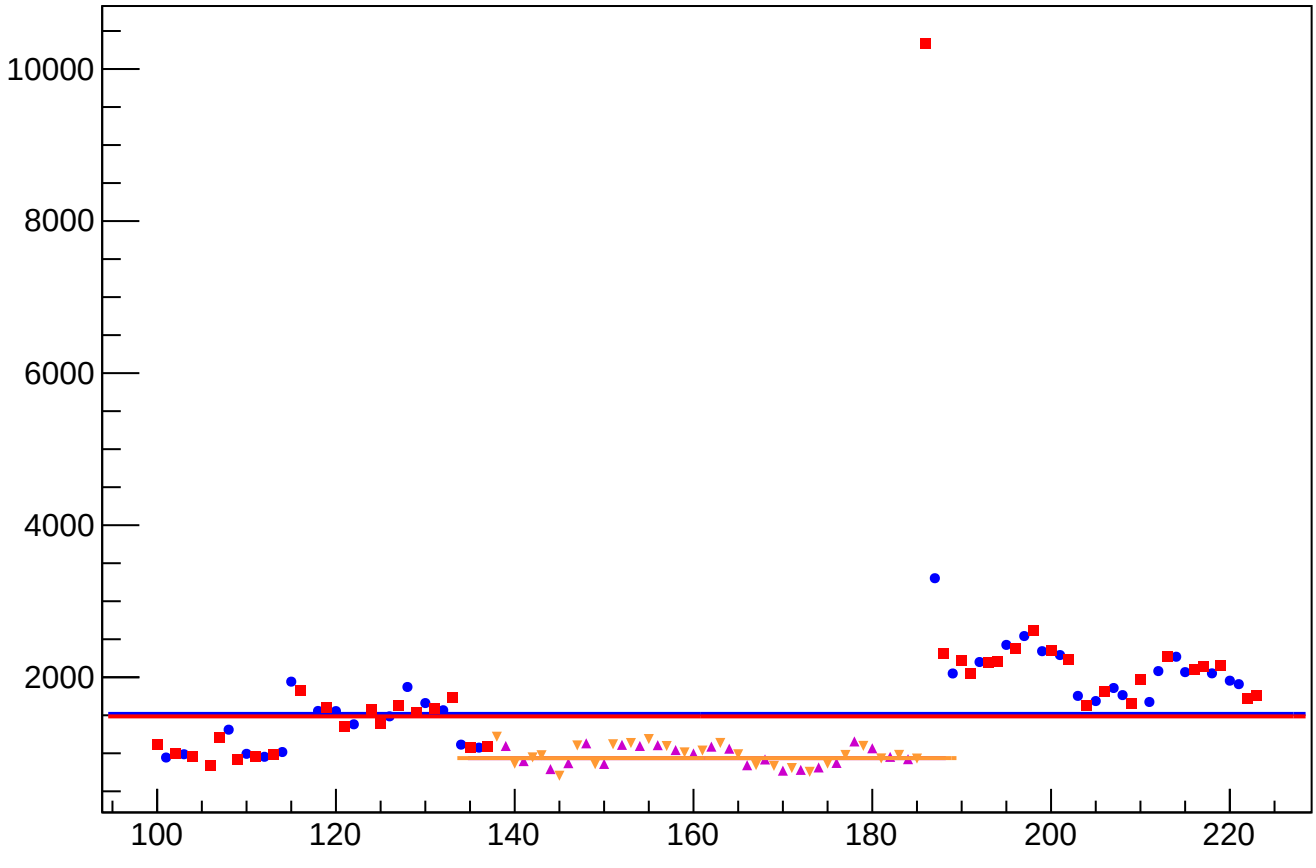
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 457.322+/-237.498 χ^2/NDF: 203.1/72

In: -322.224+/-185.583 χ^2/NDF:96.6/56

Out: -43.973+/-180.765 χ^2/NDF:199.5/63

All: -179.440+/-129.490 χ^2/NDF: 297.2/120



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

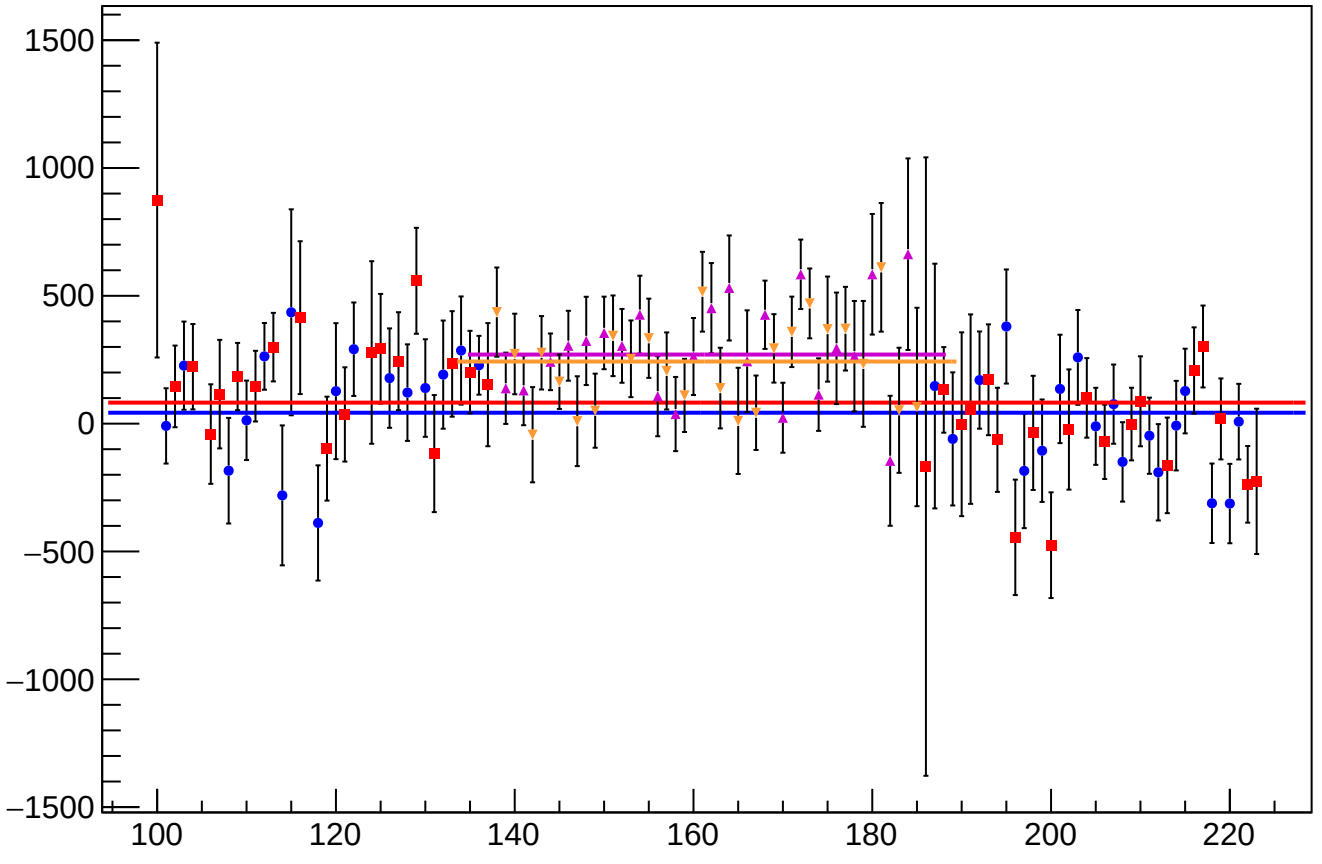
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1501.267+/-0.168 χ^2/NDF: 9546654.8/72

In: 1109.242+/-0.131 χ^2/NDF:8864955.5/56

Out: 1099.878+/-0.128 χ^2/NDF:10100027.5/63

All: 1104.437+/-0.092 χ^2/NDF: 18967596.2/1



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

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

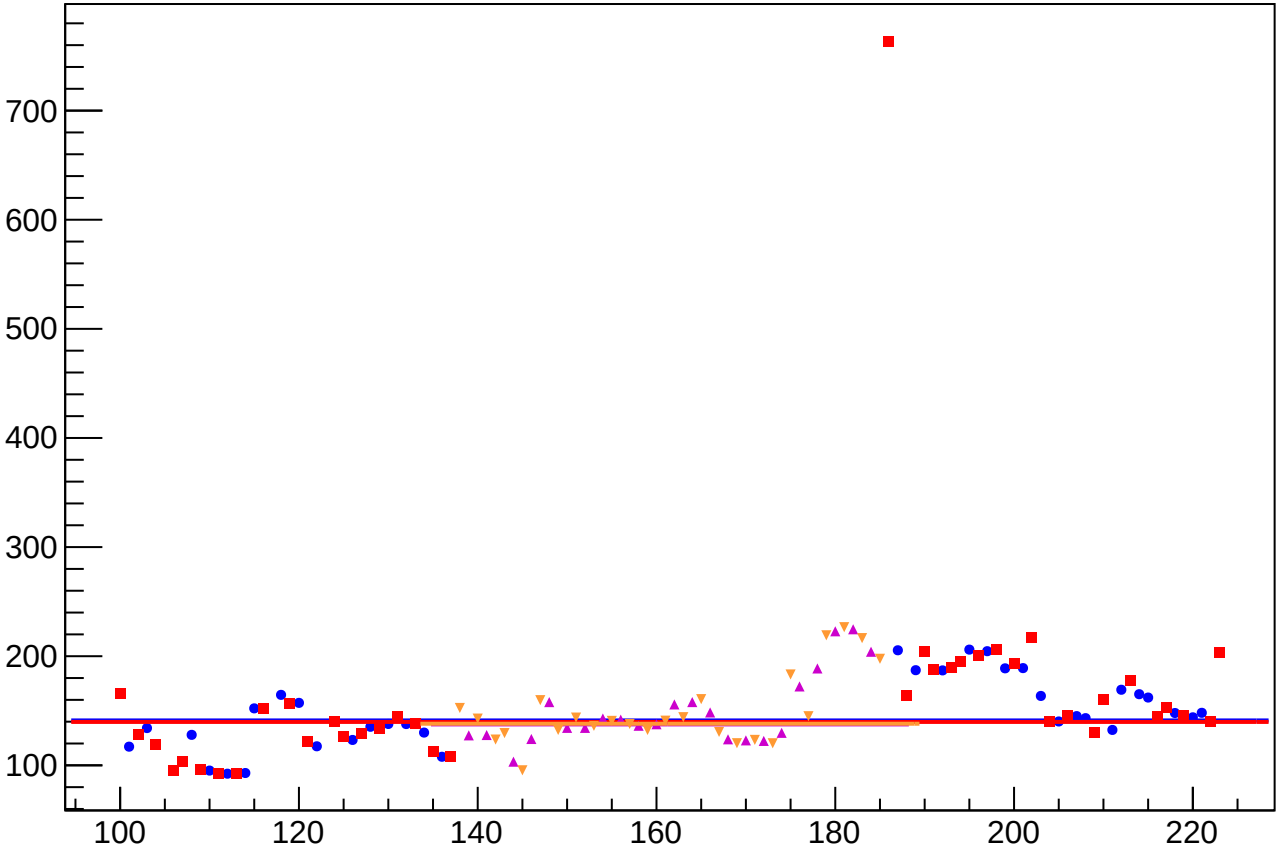
Right: 62.777+/-21.653 χ^2/NDF: 83.3/72

In: 149.229+/-22.508 χ^2/NDF:91.3/56

Out: 158.072+/-22.079 χ^2/NDF:80.1/63

All: 153.735+/-15.762 χ^2/NDF: 171.5/120

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

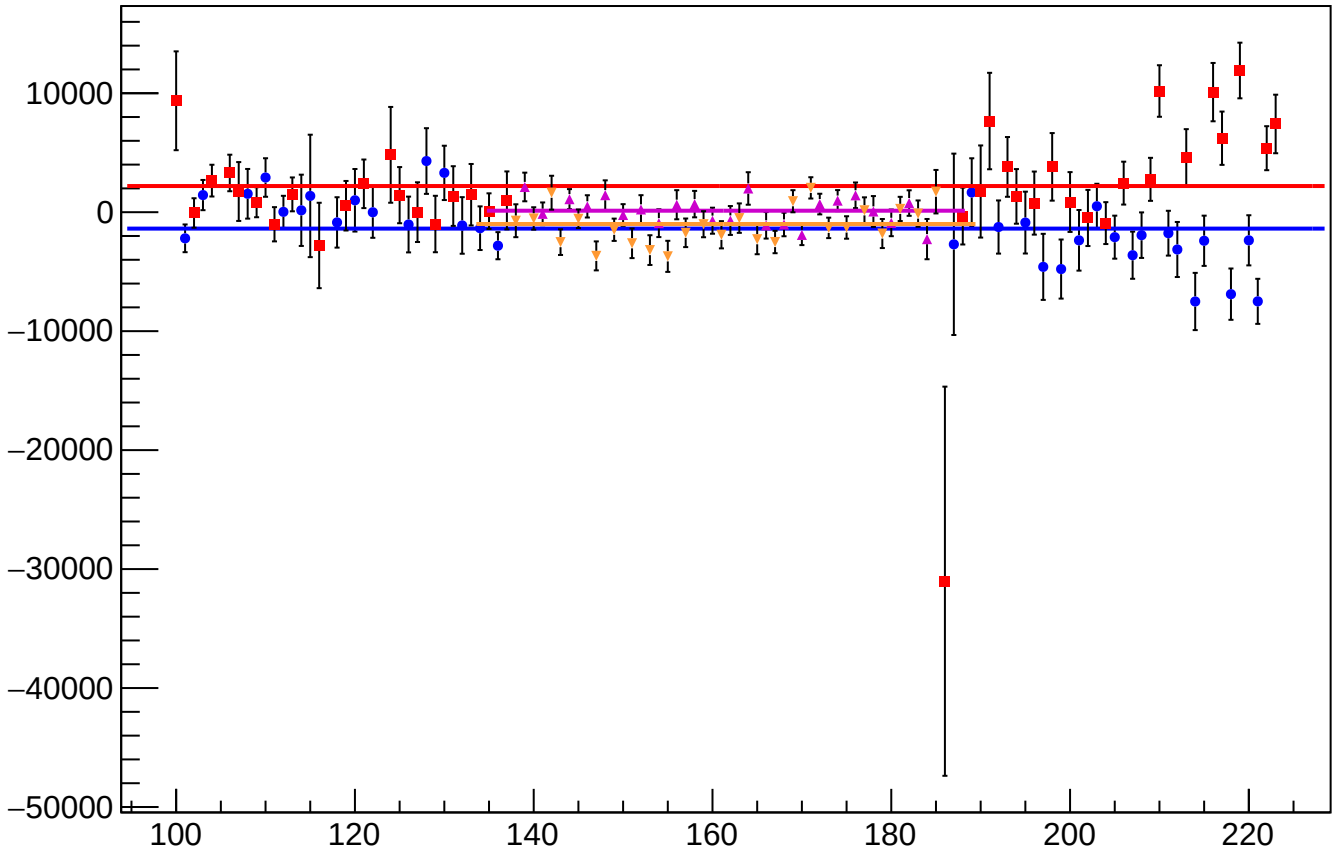
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 140.451+/-0.015 χ^2/NDF: 4648802.9/72

In: 139.437+/-0.016 χ^2/NDF:2882735.4/56

Out: 138.997+/-0.016 χ^2/NDF:4227612.1/63

All: 139.213+/-0.011 χ^2/NDF: 7110736.6/120



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

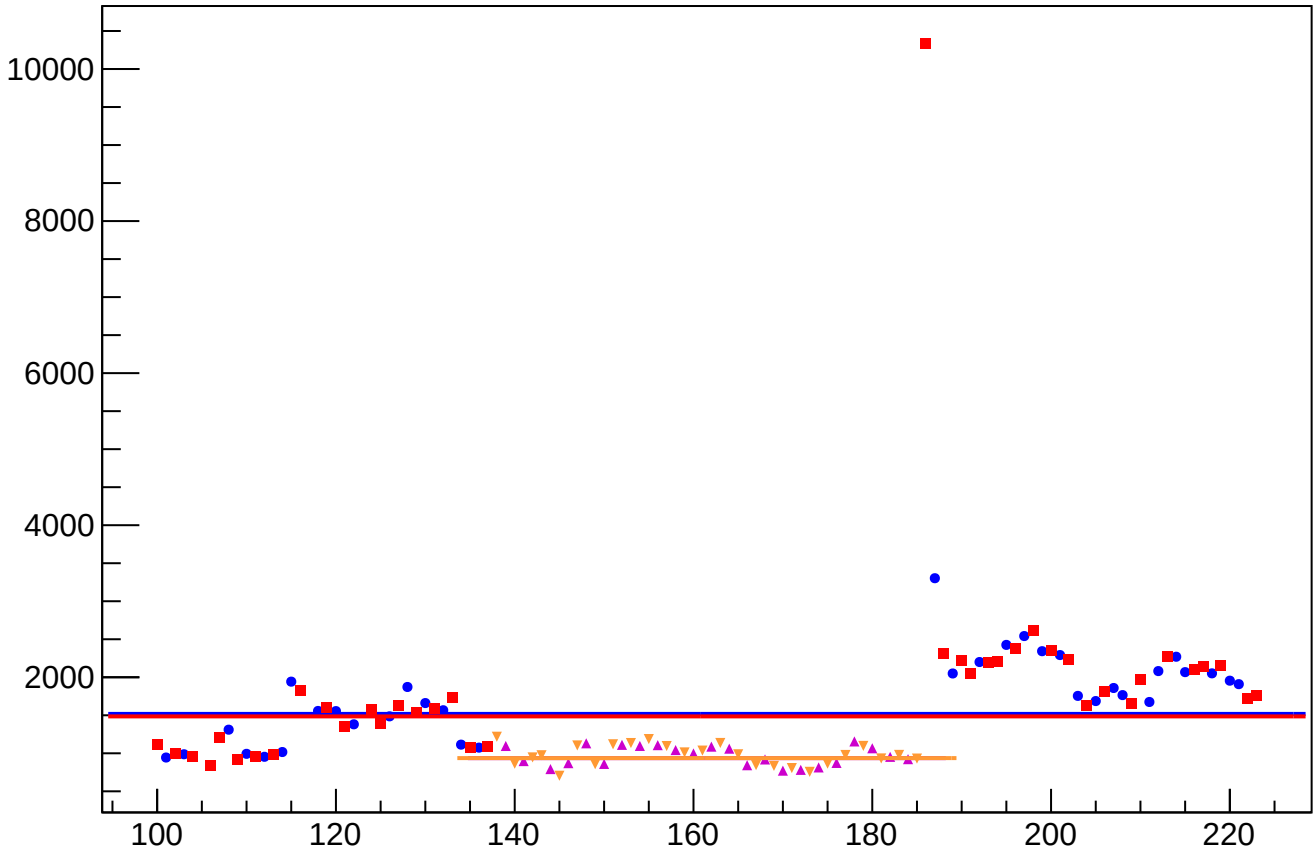
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 457.322+/-237.497 χ^2/NDF: 203.1/72

In: -322.224+/-185.583 χ^2/NDF:96.6/56

Out: -43.973+/-180.765 χ^2/NDF:199.5/63

All: -179.440+/-129.490 χ^2/NDF: 297.2/120



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

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

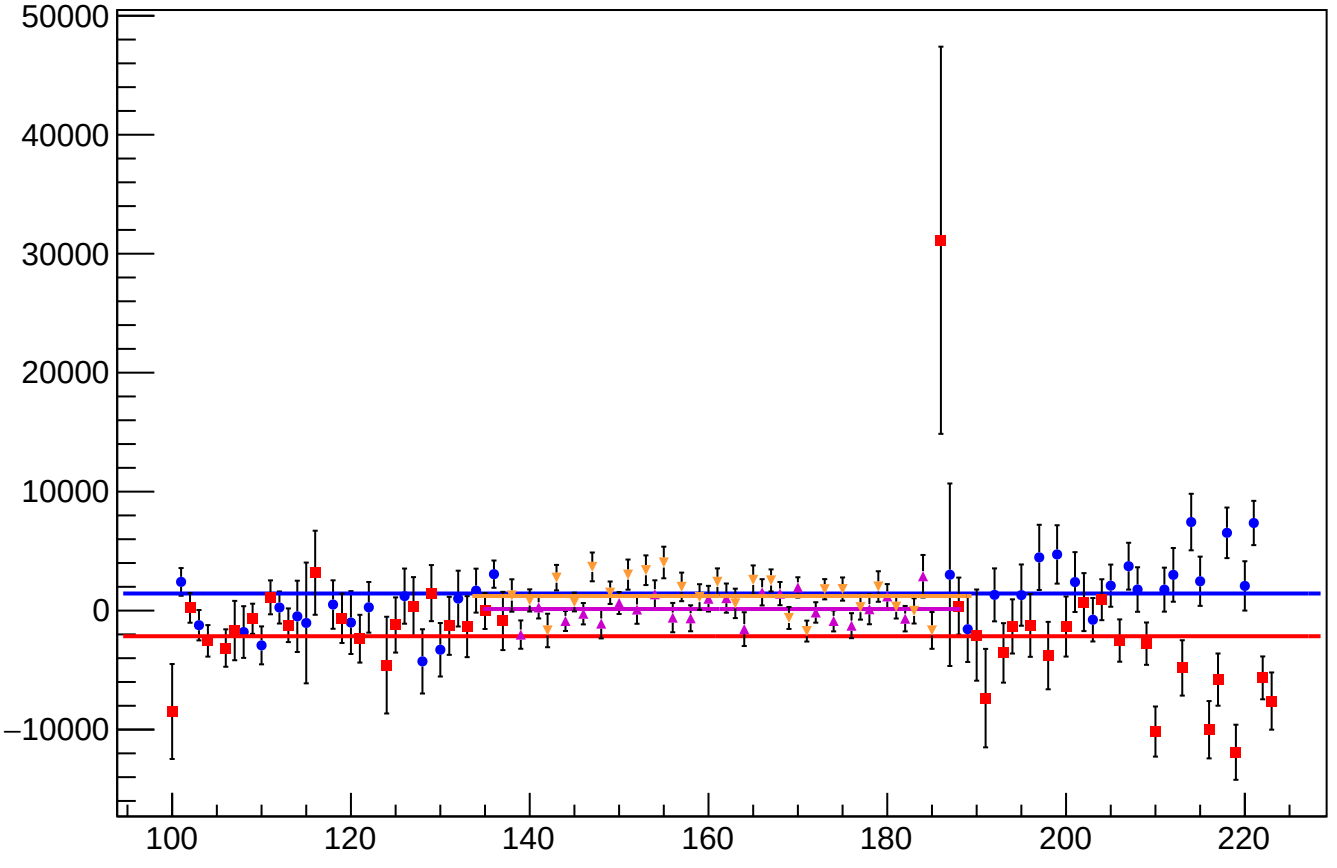
Right: 1501.266+/-0.168 χ^2/NDF: 9546633.8/72

In: 1109.241+/-0.131 χ^2/NDF:8864953.4/56

Out: 1099.877+/-0.128 χ^2/NDF:10100032.4/63

All: 1104.436+/-0.092 χ^2/NDF: 18967599.1/

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

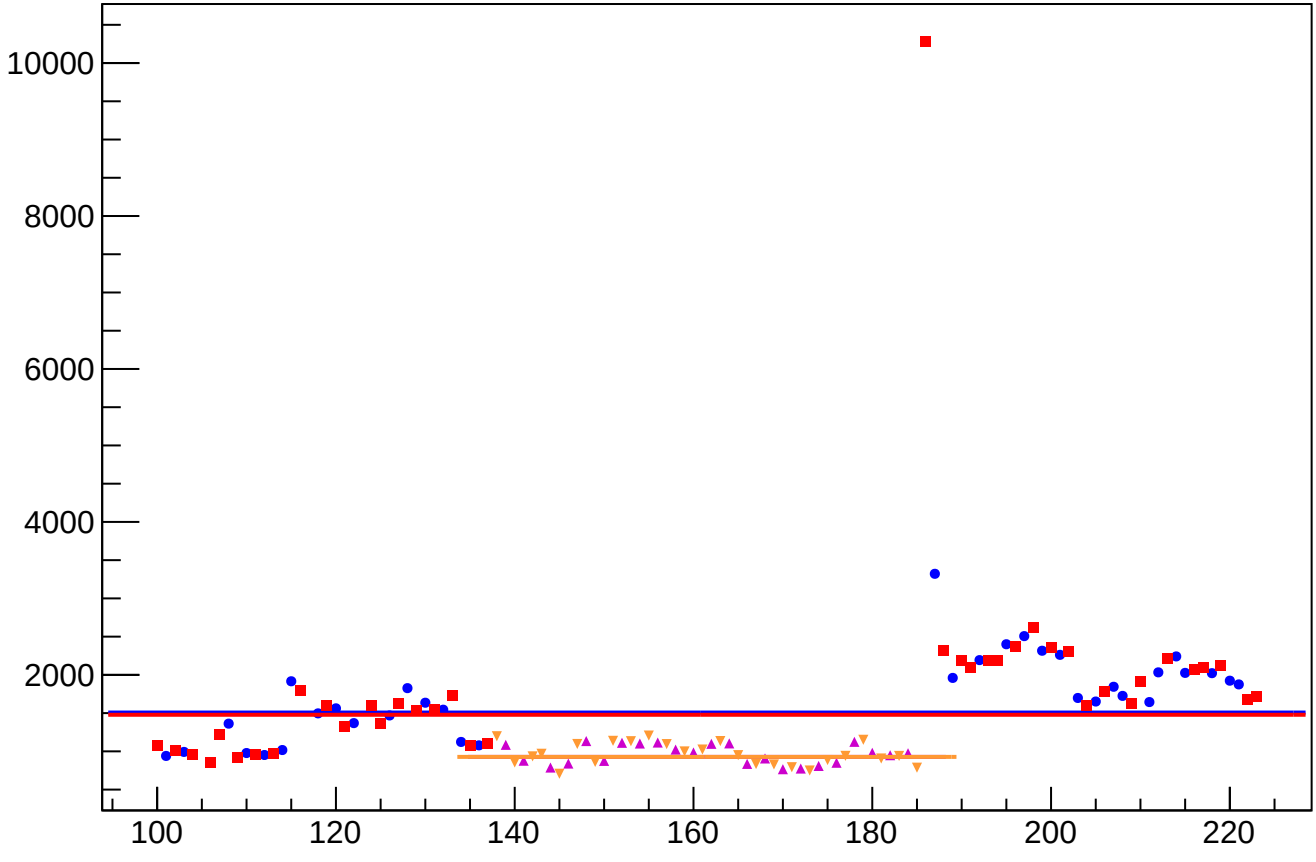
Right: -400.433+/-235.790 χ^2/NDF: 208.3/72

In: 520.098+/-183.867 χ^2/NDF:95.4/56

Out: 224.495+/-179.396 χ^2/NDF:213.8/63

All: 368.659+/-128.404 χ^2/NDF: 310.5/120

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

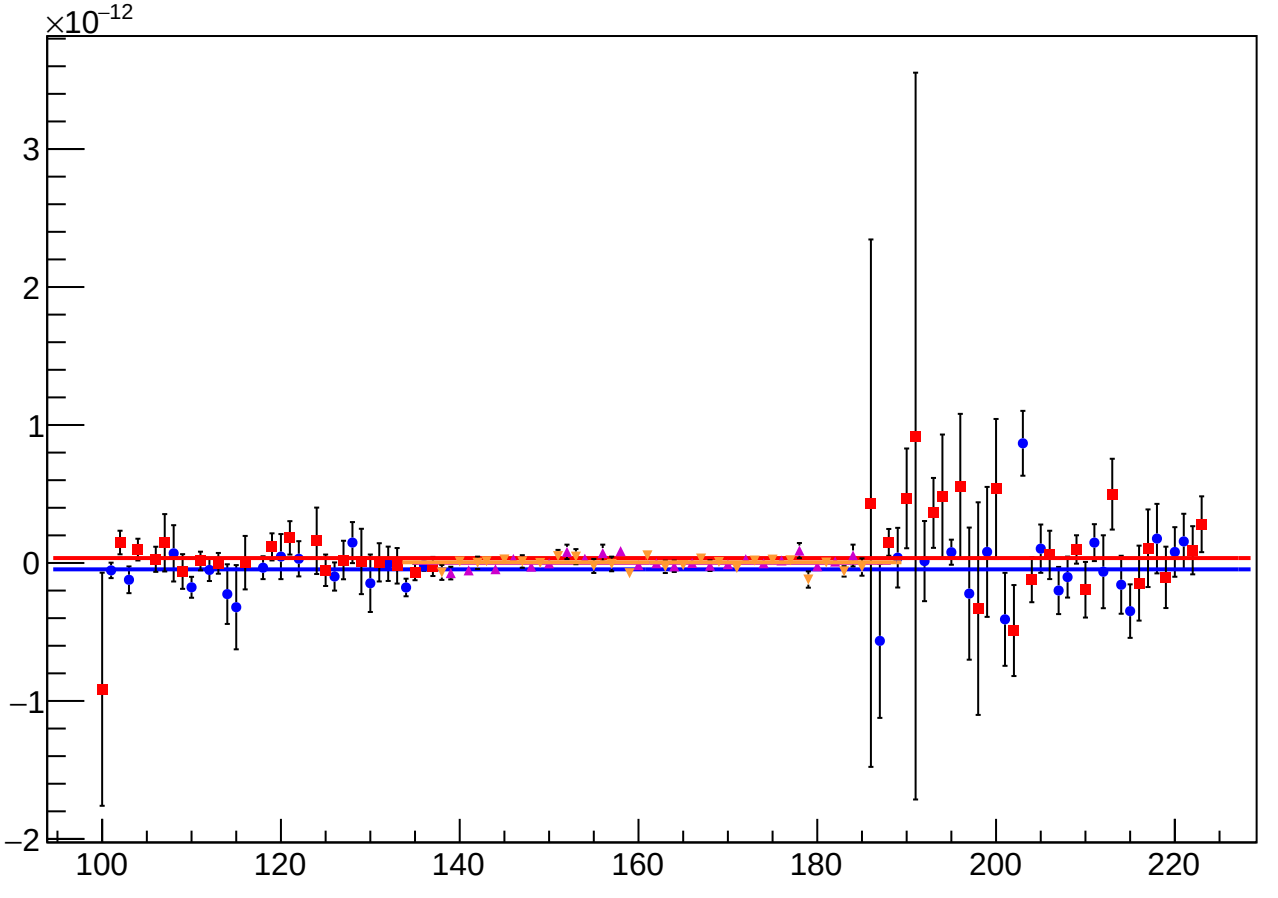
Right: 1492.597+/-0.167 χ^2/NDF: 9252152.5/72

In: 1099.567+/-0.130 χ^2/NDF:8752229.1/56

Out: 1090.768+/-0.127 χ^2/NDF:10110934.2/63

All: 1095.059+/-0.091 χ^2/NDF: 18865509.3/1

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

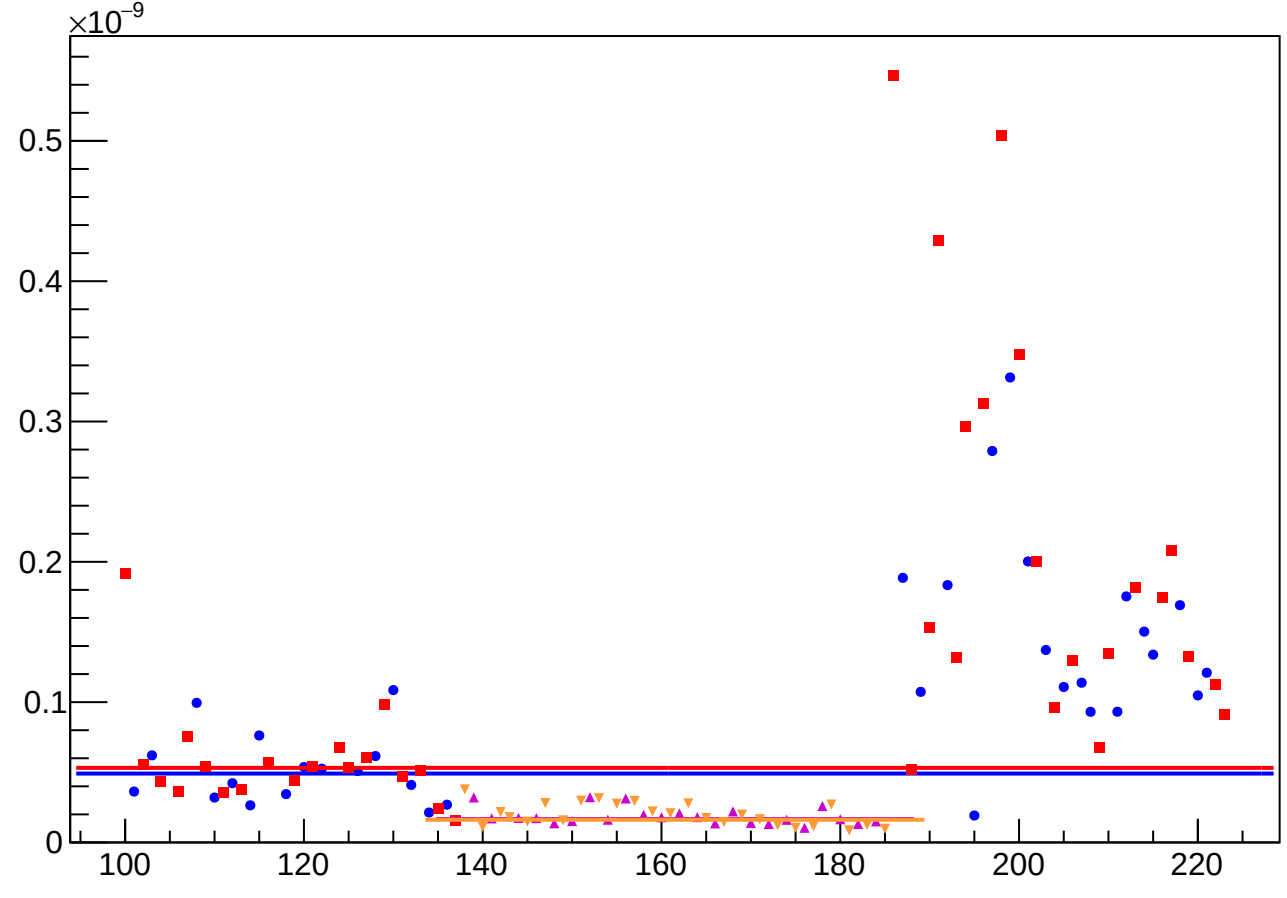
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 80.2/72

In: -0.000+/-0.000 χ^2/NDF:74.3/56

Out: 0.000+/-0.000 χ^2/NDF:57.9/63

All: 0.000+/-0.000 χ^2/NDF: 133.9/120



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

Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

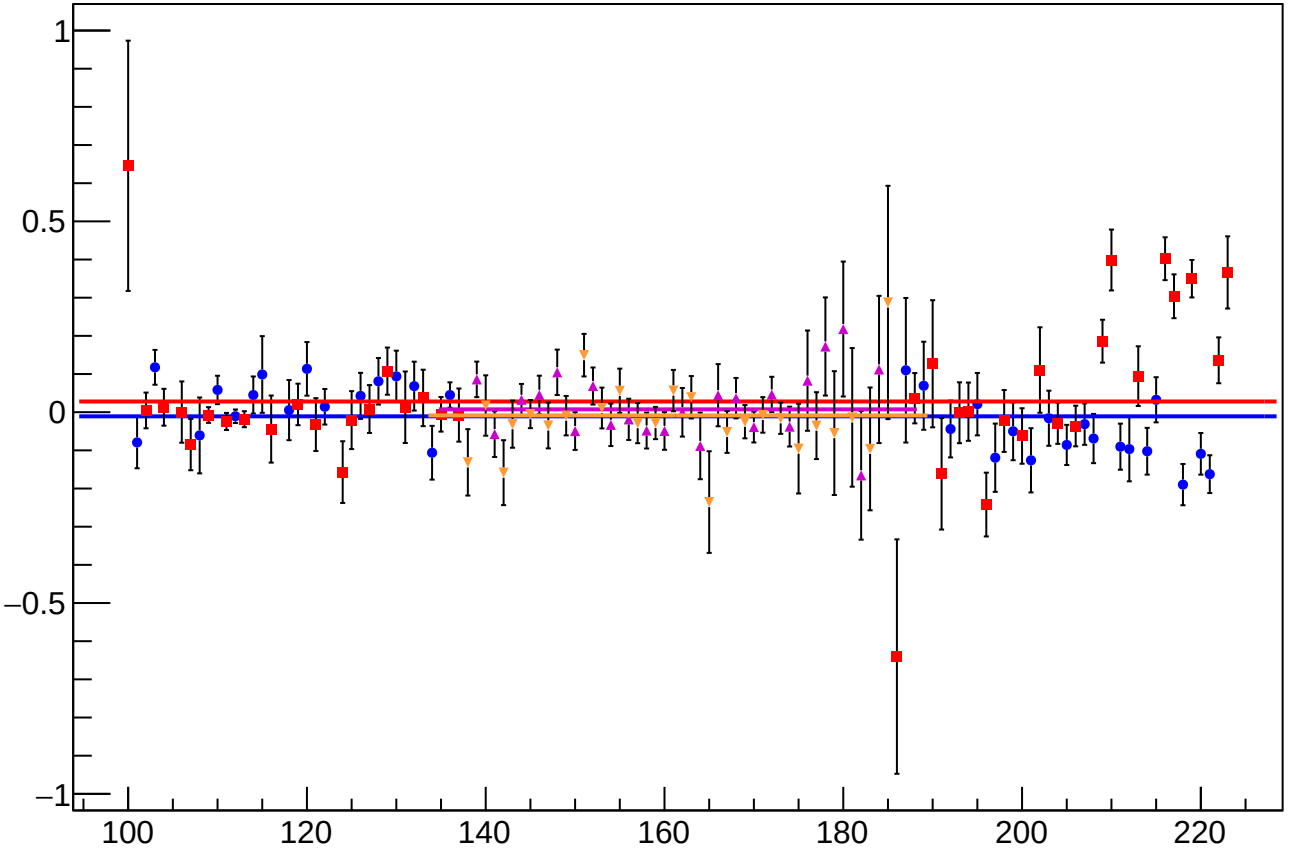
Right: 0.000+/-0.000 χ^2/NDF: 15442249.5/72

In: 0.000+/-0.000 χ^2/NDF:13318080.9/56

Out: 0.000+/-0.000 χ^2/NDF:15718754.8/63

All: 0.000+/-0.000 χ^2/NDF: 29049771.2/120

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

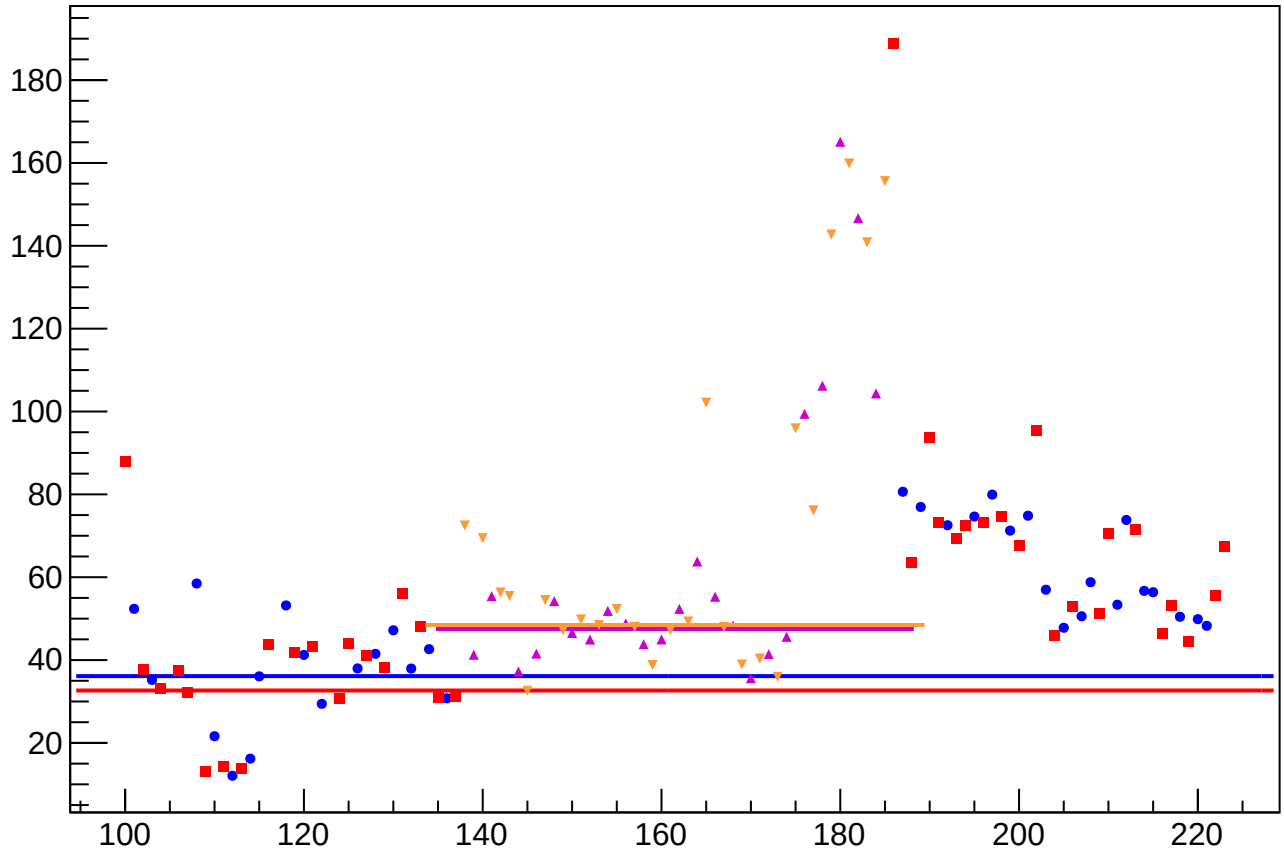
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.010+/-0.006 χ^2/NDF: 286.3/72

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.016+/-0.007 χ^2/NDF:238.4/63

All: 0.007+/-0.005 χ^2/NDF: 334.6/120



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

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

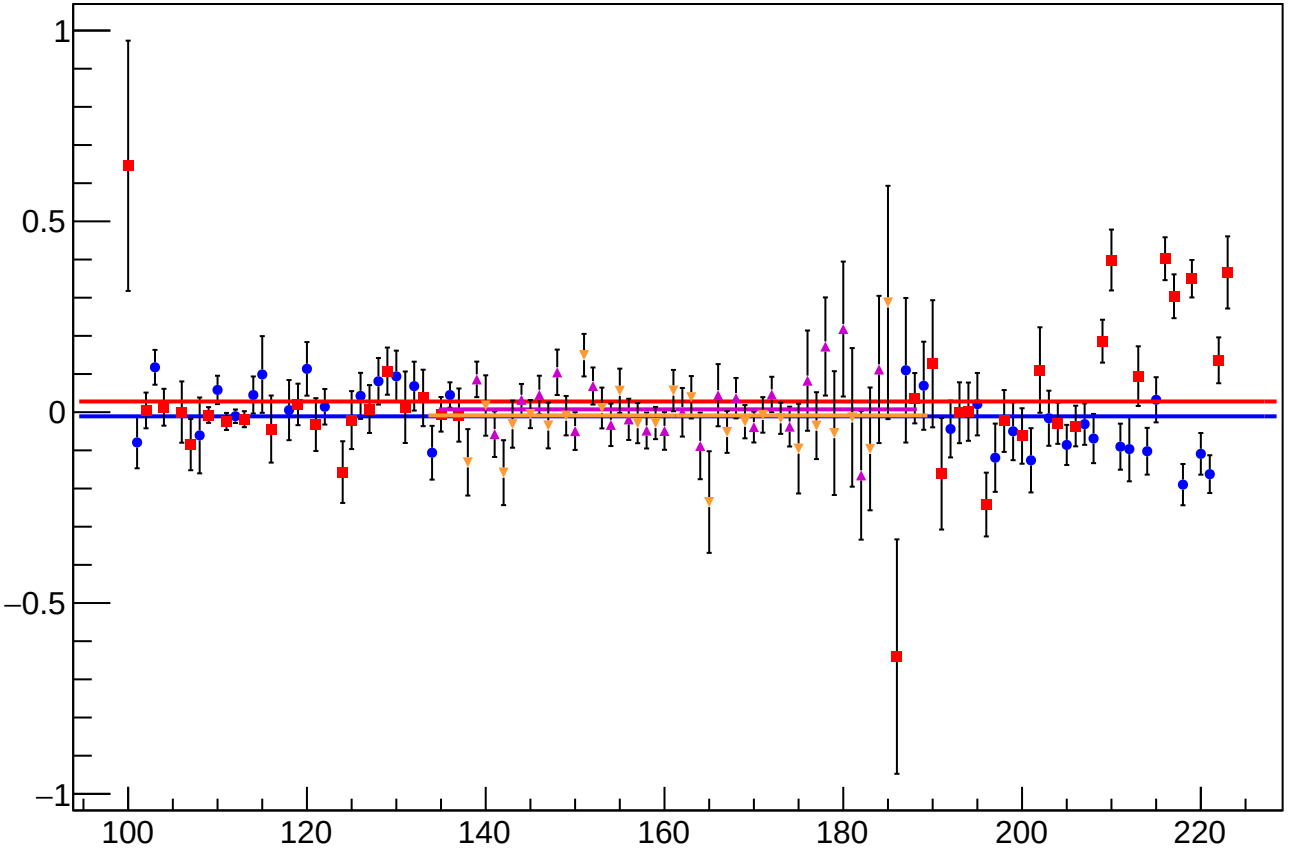
Right: 34.246+/-0.004 χ^2/NDF: 21991415.0/72

In: 40.233+/-0.005 χ^2/NDF:13725531.7/56

Out: 37.798+/-0.005 χ^2/NDF:19041169.8/63

All: 38.950+/-0.004 χ^2/NDF: 32886287.8/120

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

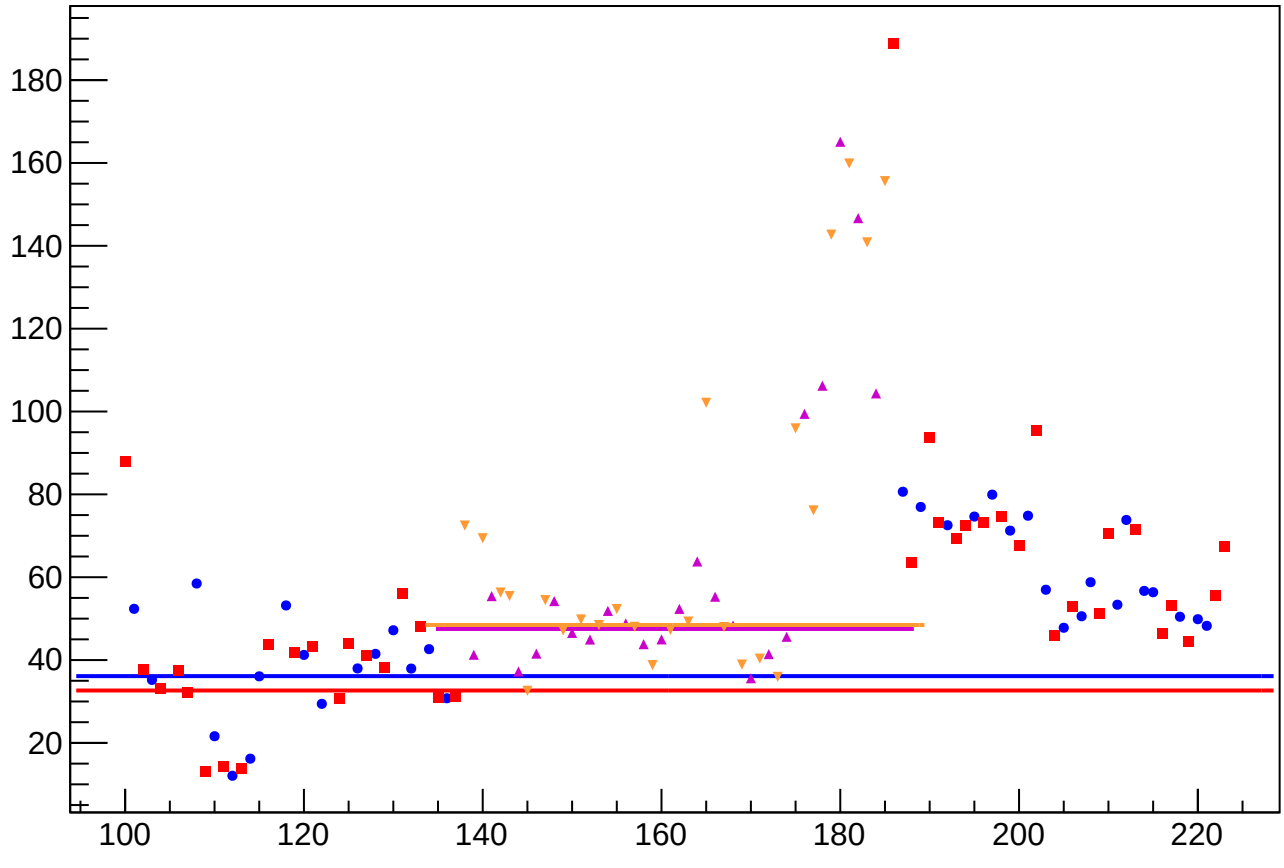
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.010+/-0.006 χ^2/NDF: 286.3/72

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.016+/-0.007 χ^2/NDF:238.4/63

All: 0.007+/-0.005 χ^2/NDF: 334.6/120



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

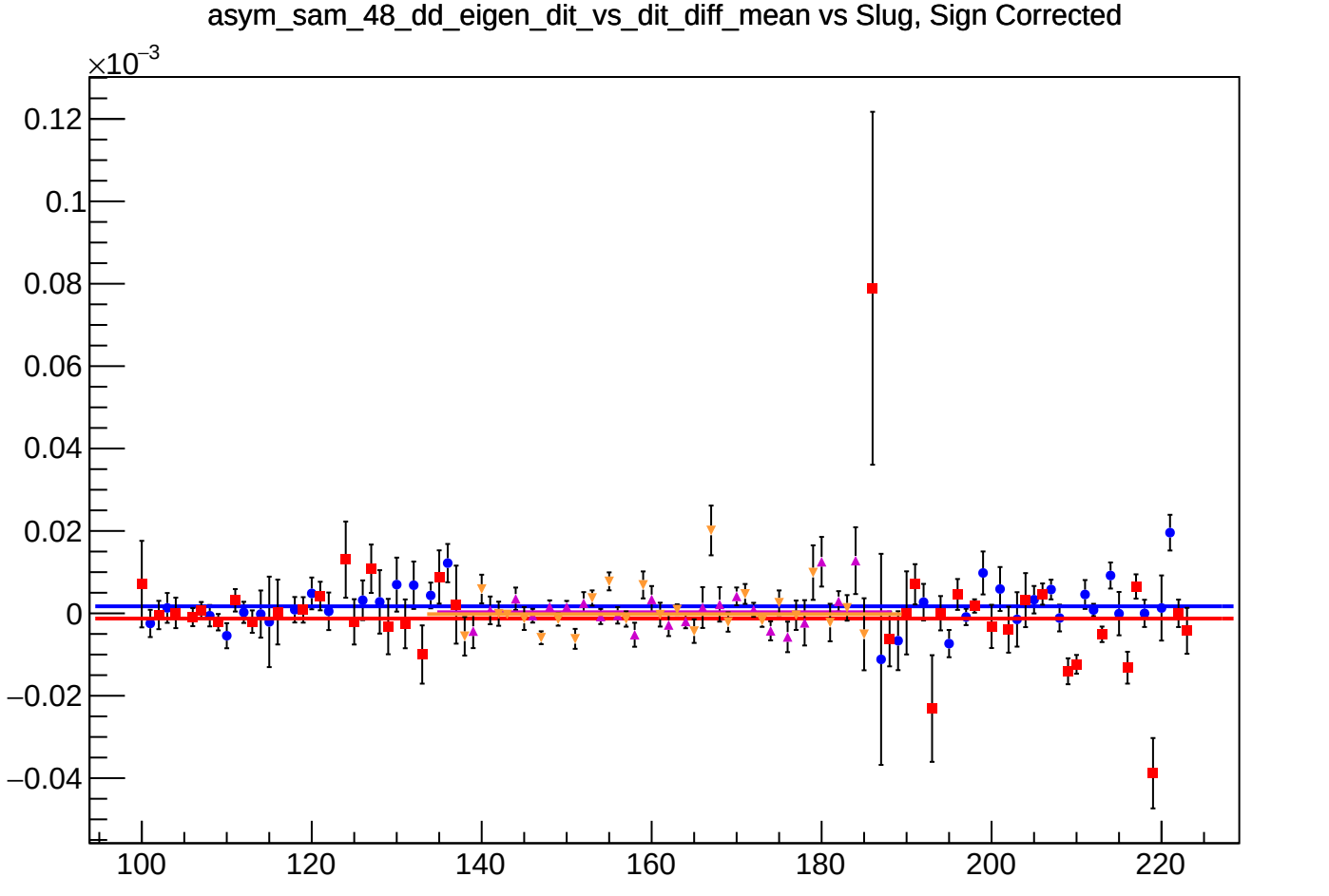
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 34.246+/-0.004 χ^2/NDF: 21991415.0/72

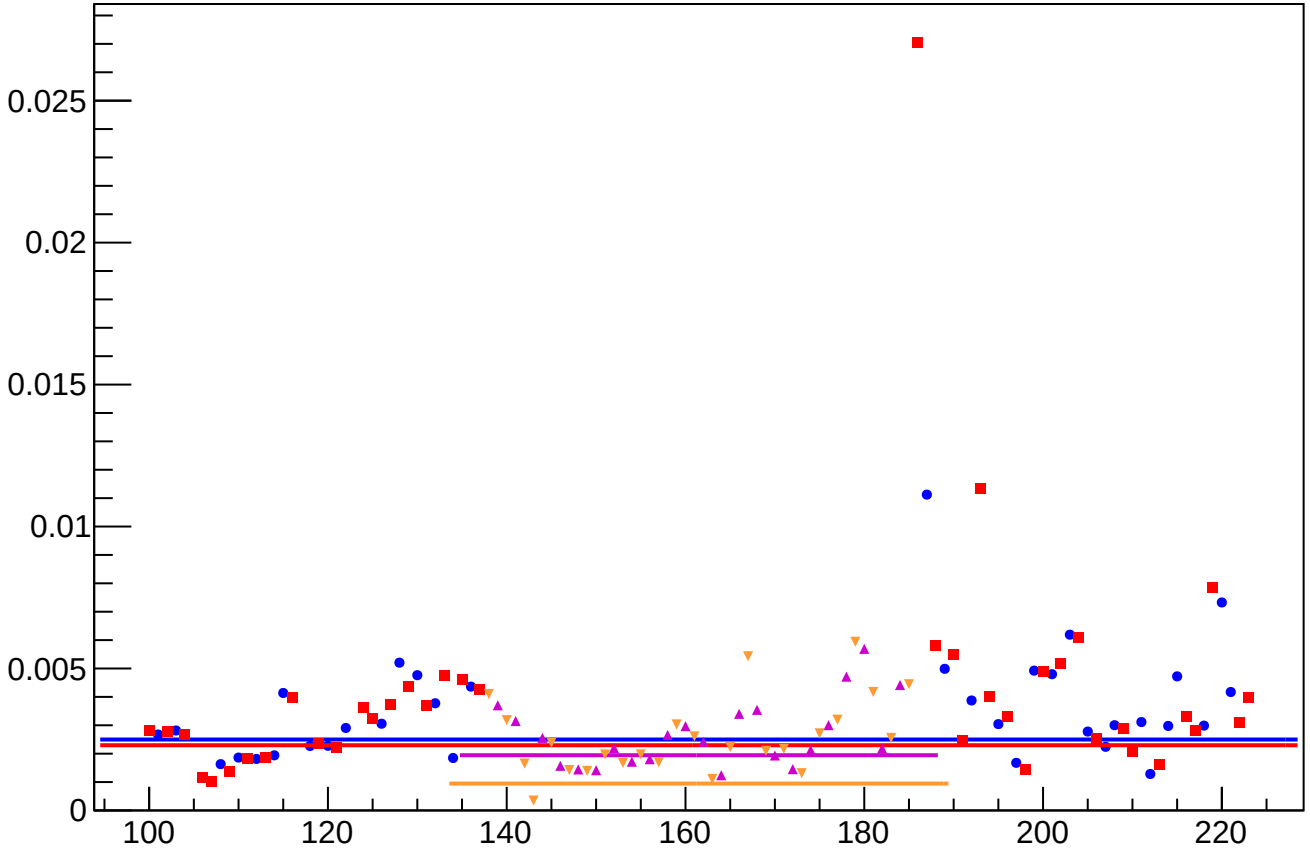
In: 40.233+/-0.005 χ^2/NDF:13725531.7/56

Out: 37.798+/-0.005 χ^2/NDF:19041169.8/63

All: 38.950+/-0.004 χ^2/NDF: 32886287.8/120


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 58.6/33
Left Out: -0.000+/-0.000 χ²/NDF:71.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 121.3/38
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: -0.000+/-0.000 χ²/NDF: 103.2/47
Right: 0.000+/-0.000 χ²/NDF: 193.2/72
In: 0.000+/-0.000 χ²/NDF:92.9/56
Out: -0.000+/-0.000 χ²/NDF:195.8/63
All: -0.000+/-0.000 χ²/NDF: 296.5/120

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

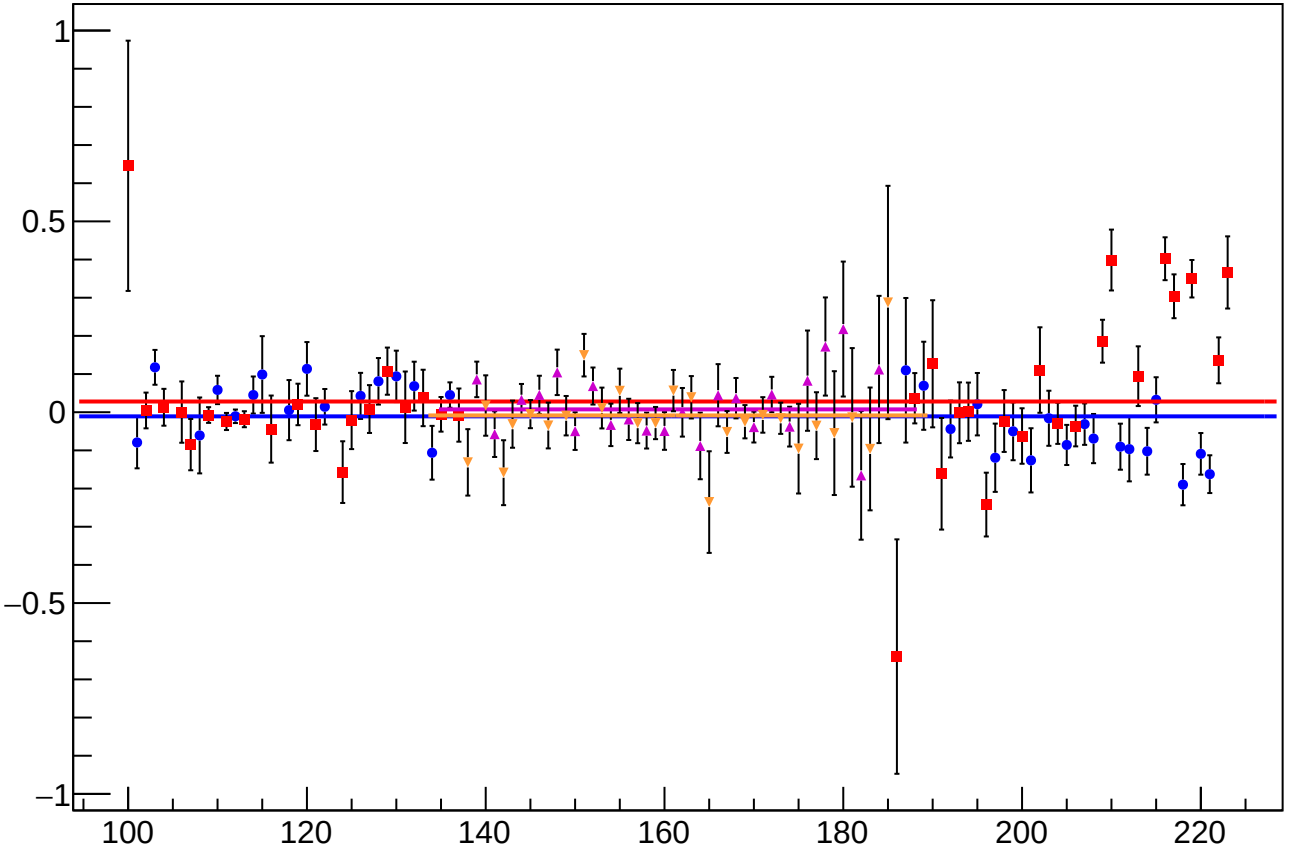
Right: 0.002+/-0.000 χ^2/NDF: 17104927.2/72

In: 0.002+/-0.000 χ^2/NDF:12404148.4/56

Out: 0.001+/-0.000 χ^2/NDF:36706001.5/63

All: 0.002+/-0.000 χ^2/NDF: 56899221.6/120

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

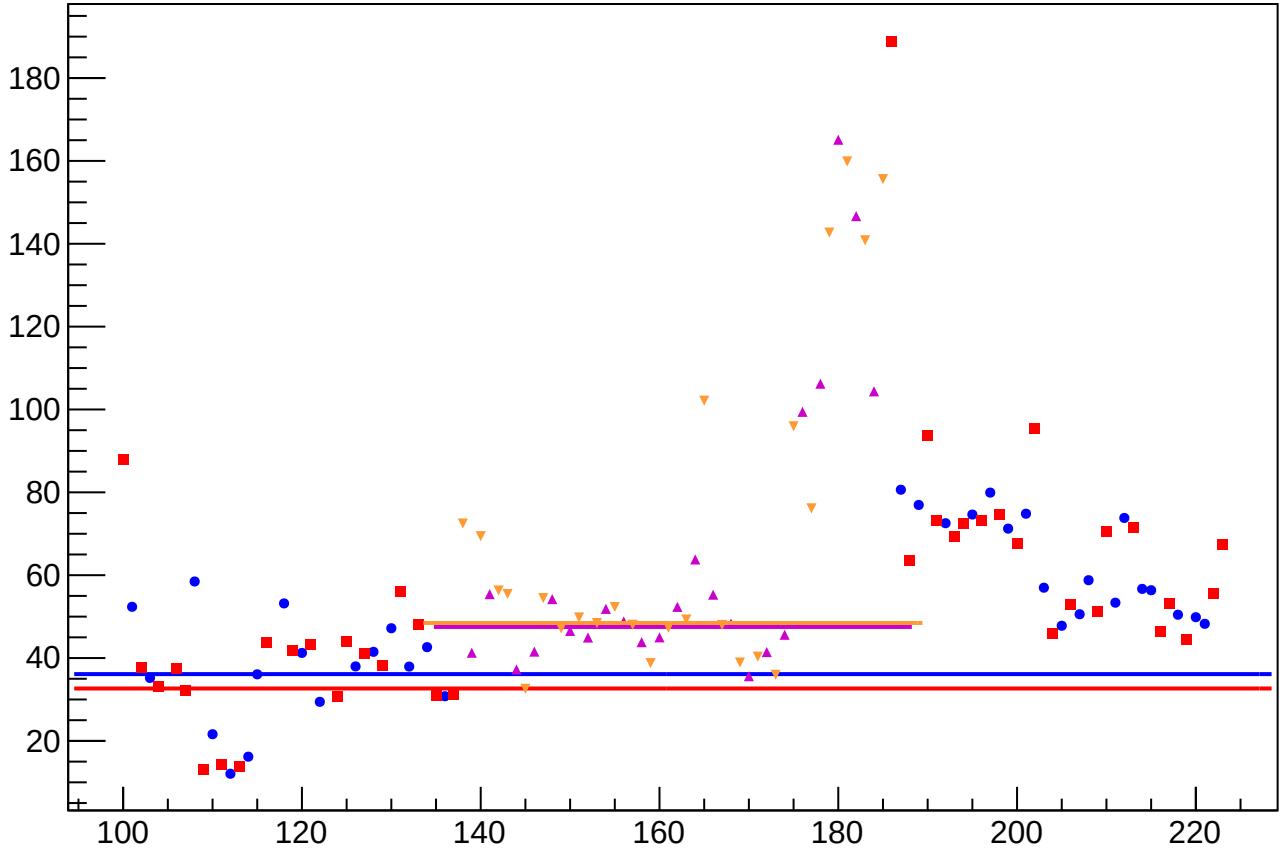
Right: 0.010+/-0.006 χ^2/NDF: 286.2/72

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.016+/-0.007 χ^2/NDF:238.4/63

All: 0.007+/-0.005 χ^2/NDF: 334.6/120

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

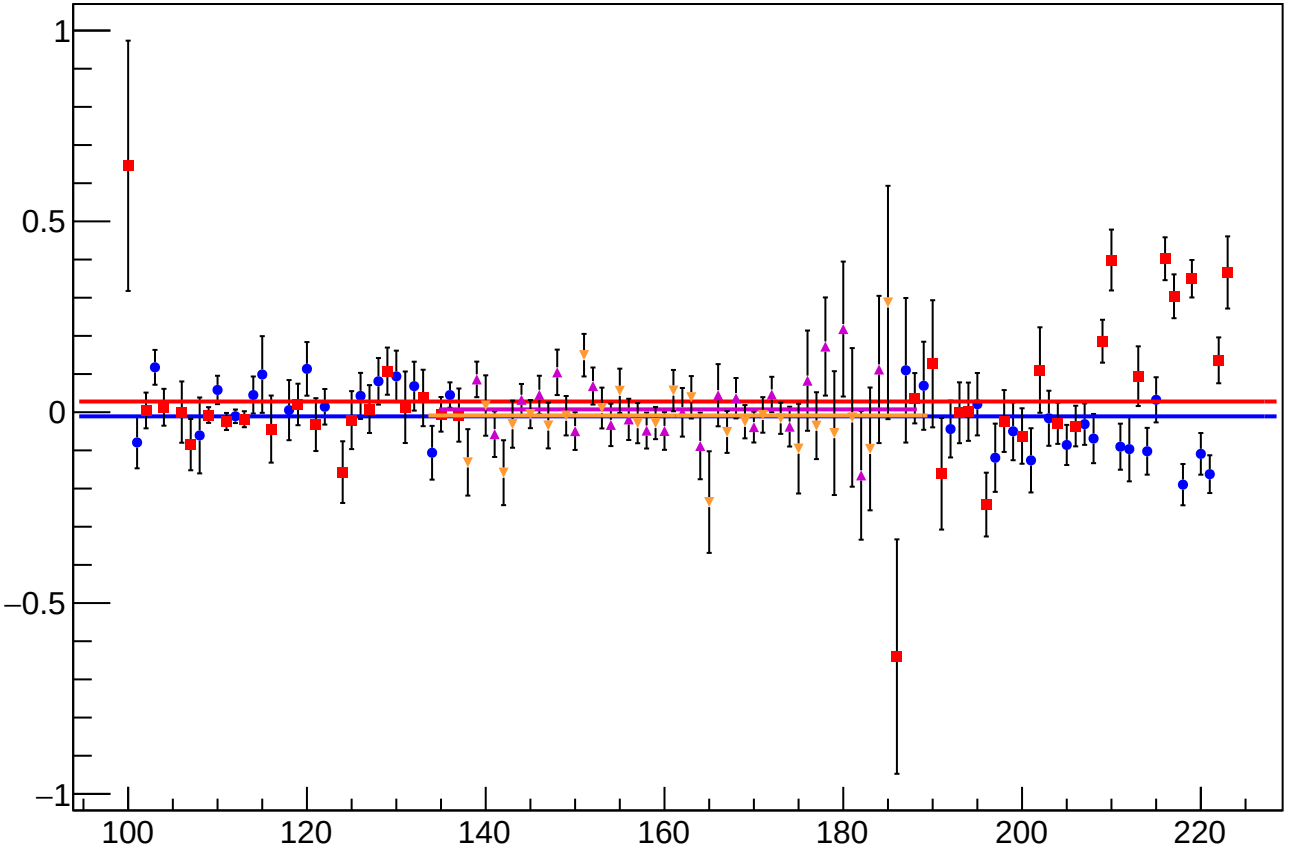
Right: 34.246+/-0.004 χ^2/NDF: 21992480.9/72

In: 40.232+/-0.005 χ^2/NDF:13726703.1/56

Out: 37.798+/-0.005 χ^2/NDF:19041599.7/63

All: 38.949+/-0.004 χ^2/NDF: 32887821.8/120

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

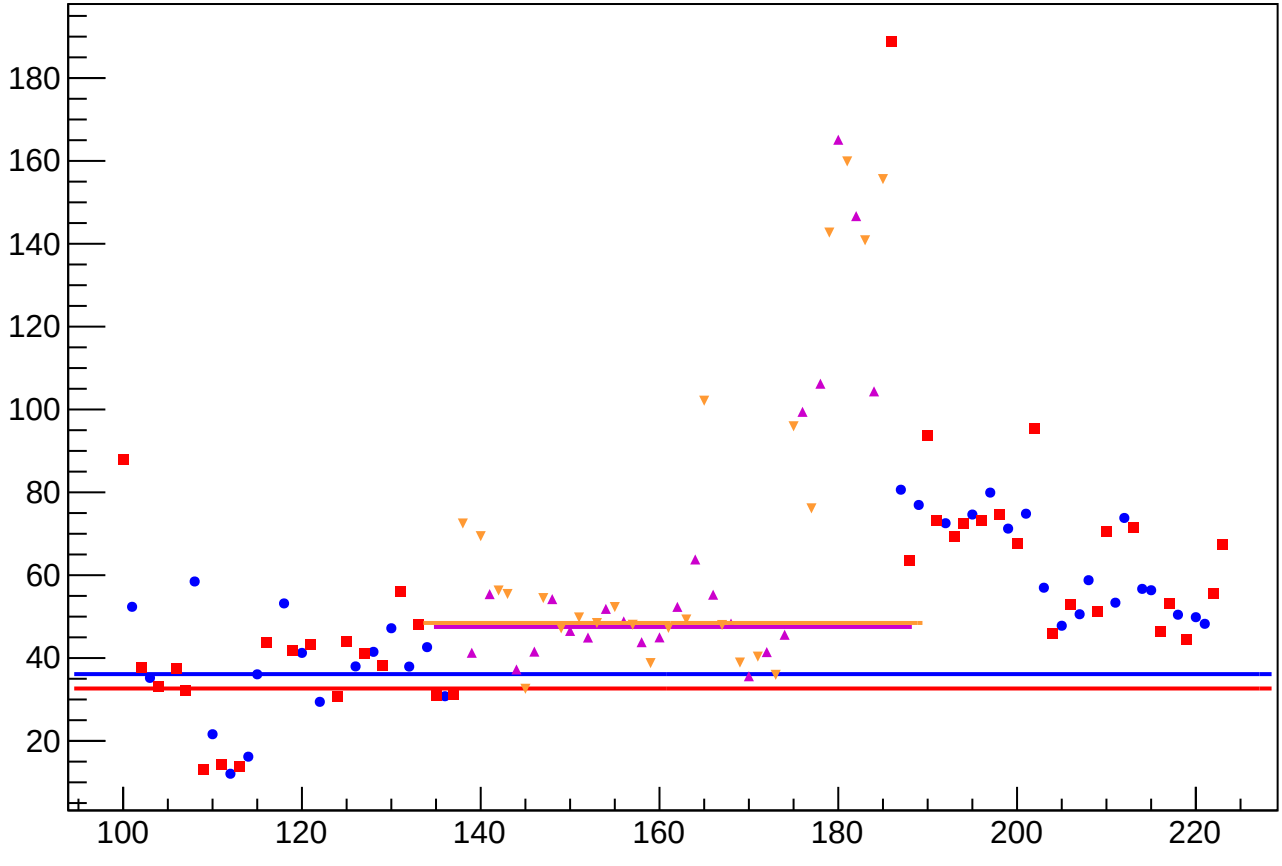
Right: 0.010+/-0.006 χ^2/NDF: 286.2/72

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.016+/-0.007 χ^2/NDF:238.4/63

All: 0.007+/-0.005 χ^2/NDF: 334.6/120

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

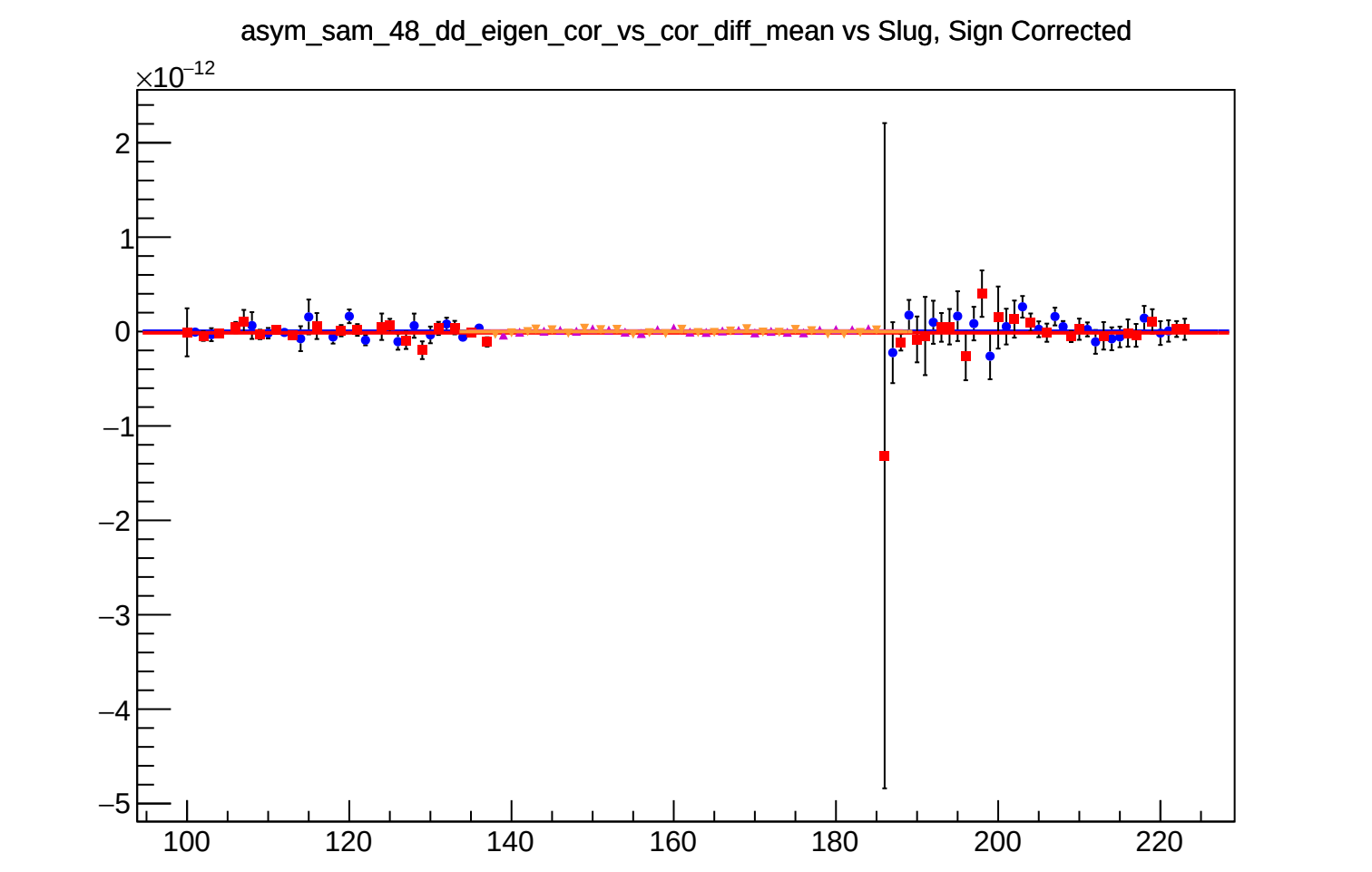
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 34.246+/-0.004 χ^2/NDF: 21992480.9/72

In: 40.232+/-0.005 χ^2/NDF:13726703.1/56

Out: 37.798+/-0.005 χ^2/NDF:19041599.7/63

All: 38.949+/-0.004 χ^2/NDF: 32887821.8/120



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

Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

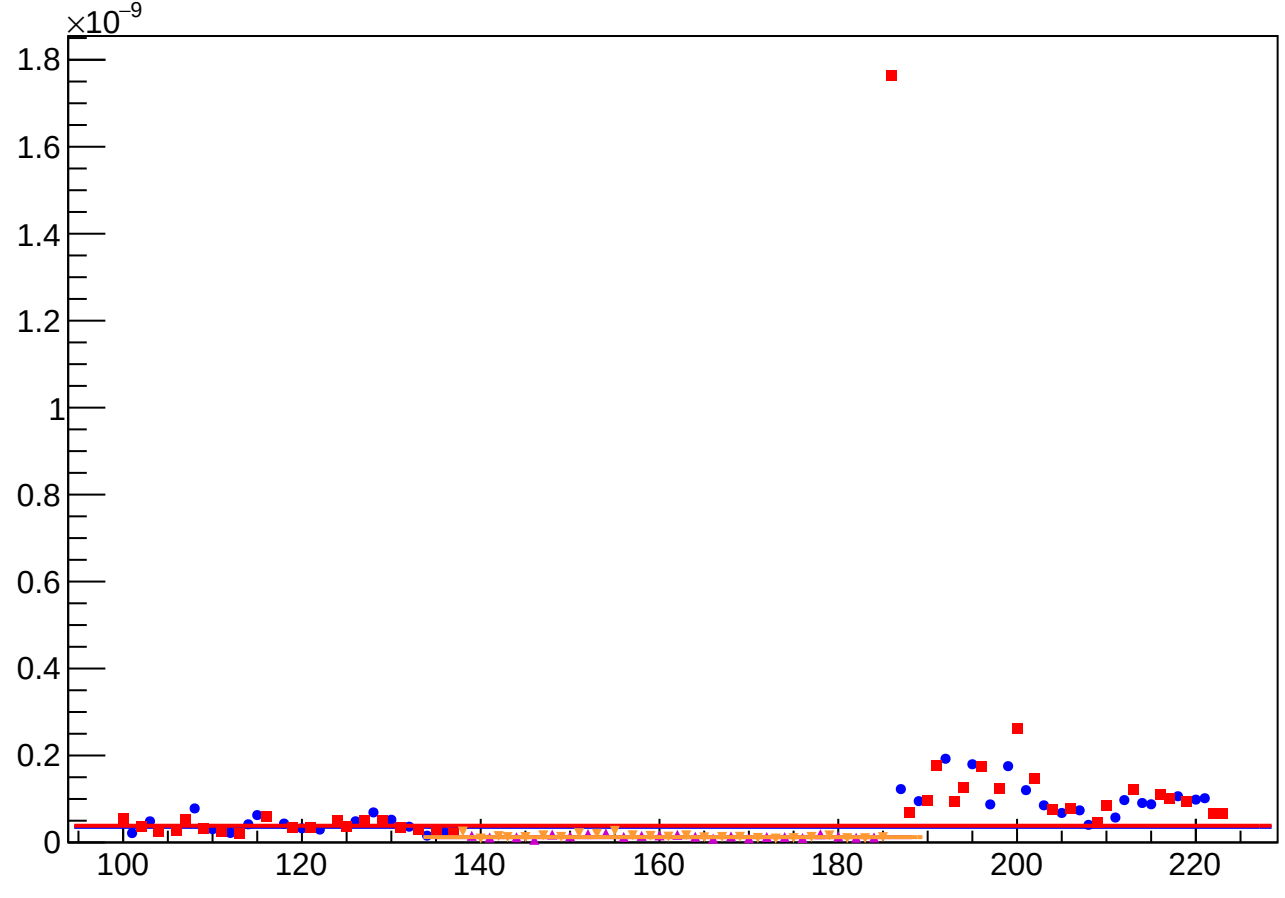
Right: -0.000+/-0.000 χ^2/NDF: 59.8/72

In: 0.000+/-0.000 χ^2/NDF:53.5/56

Out: -0.000+/-0.000 χ^2/NDF:57.1/63

All: 0.000+/-0.000 χ^2/NDF: 112.3/120

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

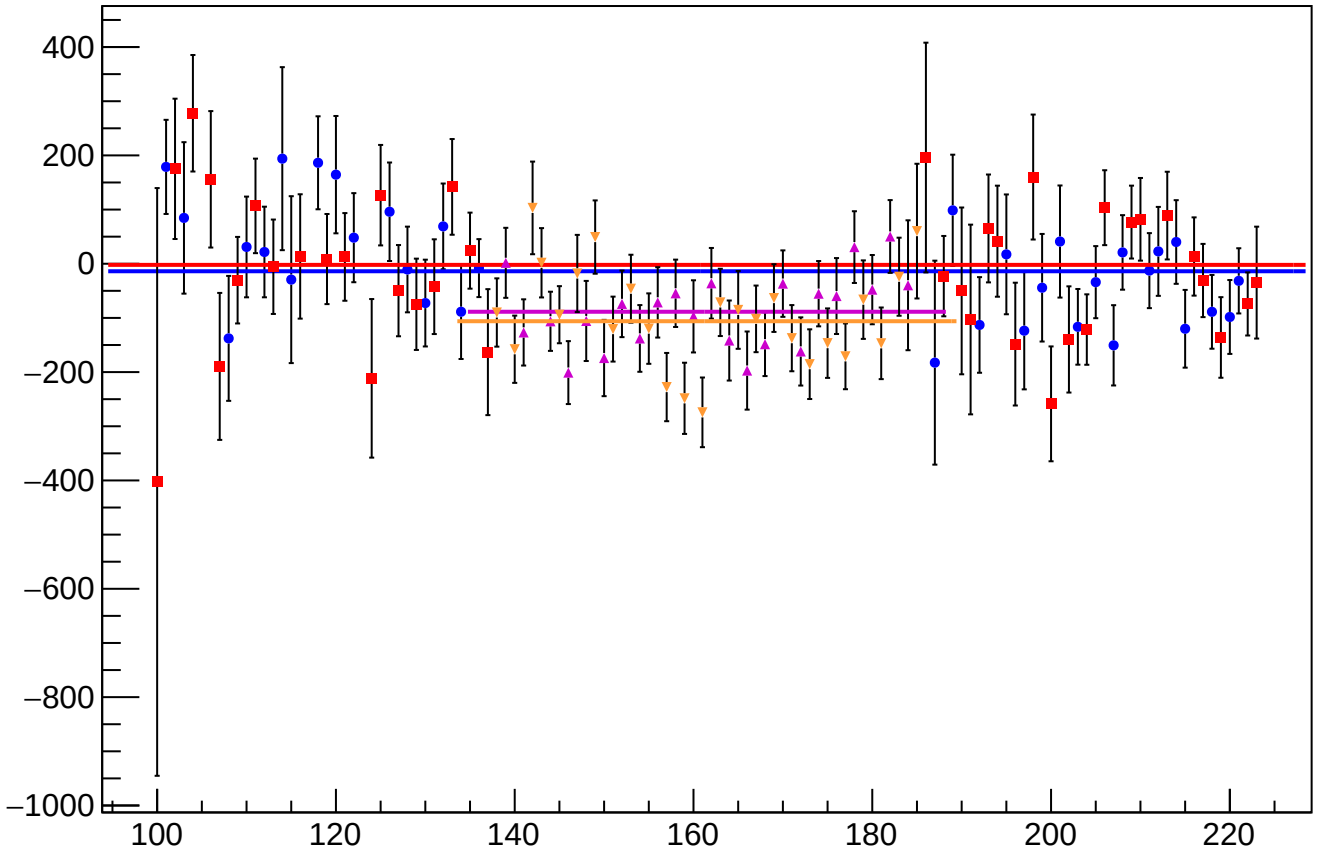
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19724281.4/72

In: 0.000+/-0.000 χ^2/NDF:19815757.8/56

Out: 0.000+/-0.000 χ^2/NDF:20229314.0/63

All: 0.000+/-0.000 χ^2/NDF: 40045074.8/120



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

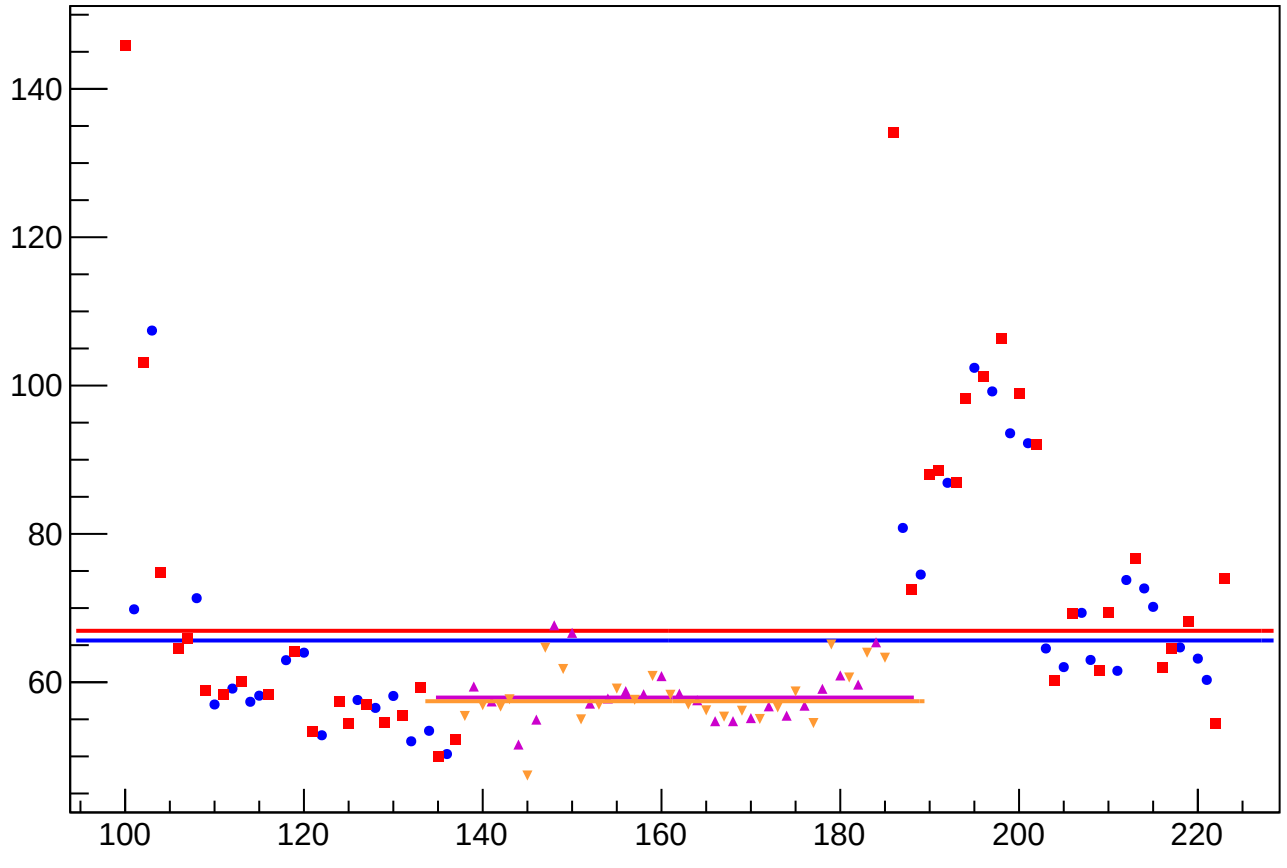
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: -8.020+/-10.134 χ^2/NDF: 90.3/72

In: -53.156+/-9.835 χ^2/NDF:75.7/56

Out: -58.986+/-9.681 χ^2/NDF:121.8/63

All: -56.117+/-6.899 χ^2/NDF: 197.7/120



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

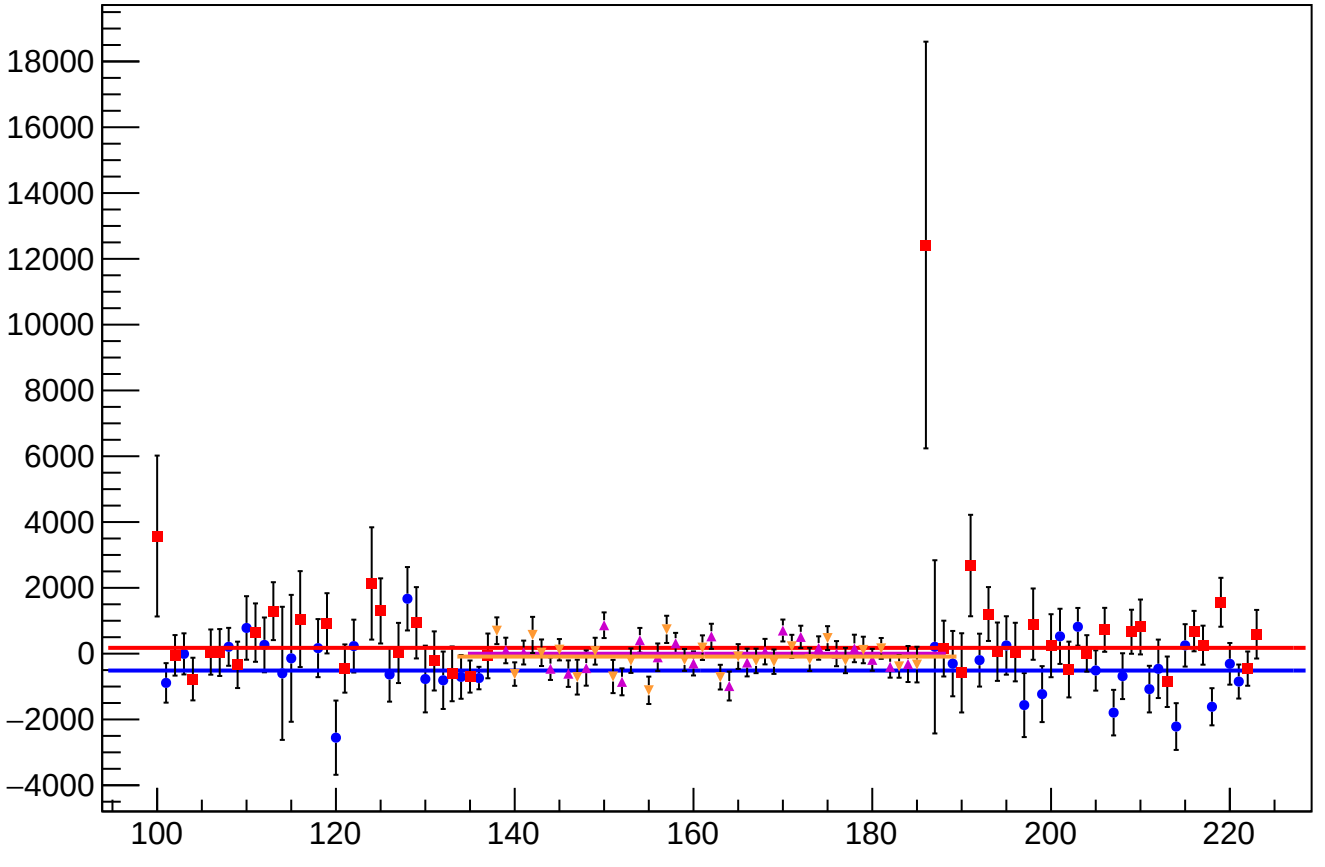
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.276+/-0.007 χ^2/NDF: 3643979.9/72

In: 61.584+/-0.007 χ^2/NDF:1972218.8/56

Out: 61.740+/-0.007 χ^2/NDF:2755822.7/63

All: 61.663+/-0.005 χ^2/NDF: 4728299.7/120



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

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

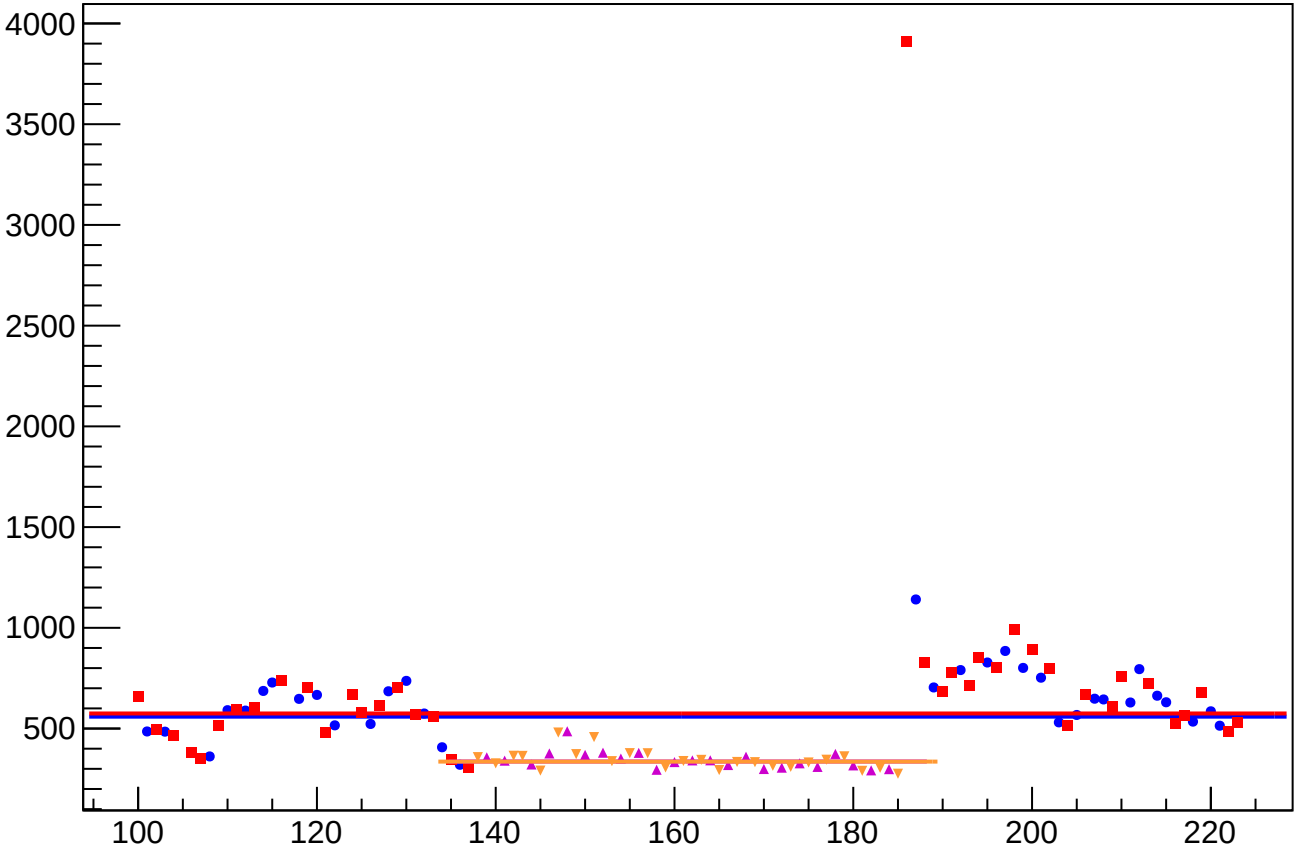
Right: -174.169+/-88.112 χ^2/NDF: 91.9/72

In: -151.540+/-66.690 χ^2/NDF:87.0/56

Out: -16.652+/-65.649 χ^2/NDF:68.4/63

All: -83.035+/-46.785 χ^2/NDF: 157.5/120

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



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

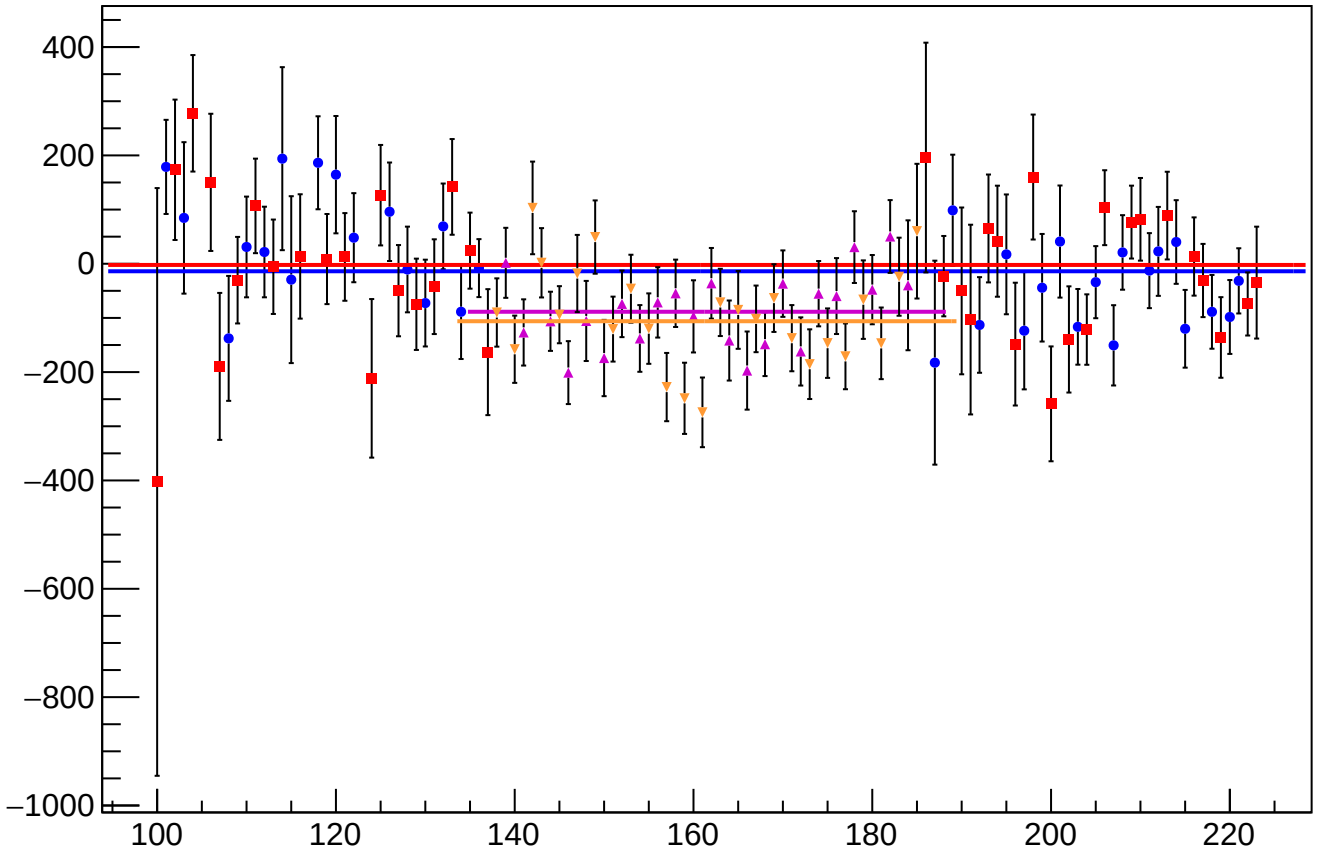
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 566.806+/-0.062 χ^2/NDF: 6432329.7/72

In: 401.110+/-0.047 χ^2/NDF:7864335.7/56

Out: 401.192+/-0.046 χ^2/NDF:9360692.5/63

All: 401.152+/-0.033 χ^2/NDF: 17225029.7/12



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

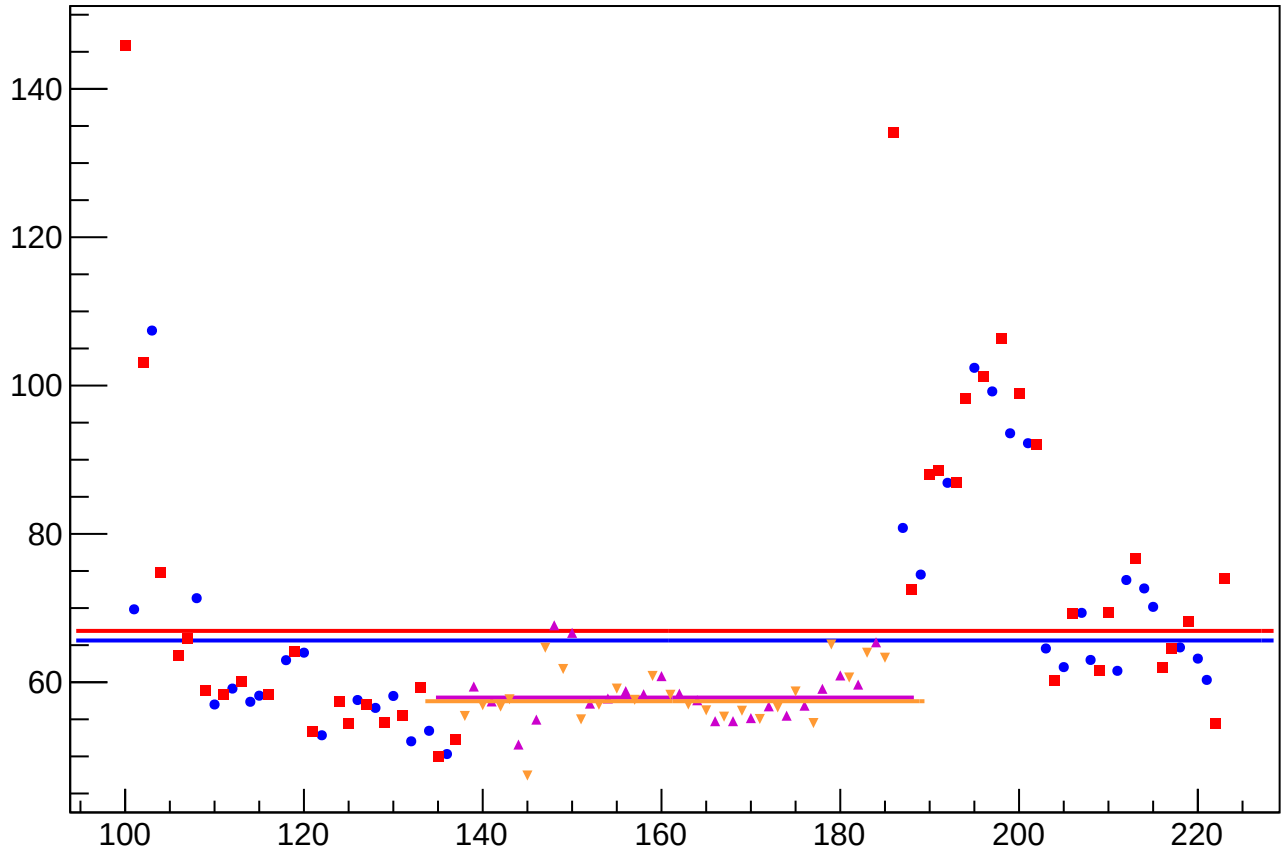
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -8.082+/-10.134 χ^2/NDF: 90.1/72

In: -53.159+/-9.835 χ^2/NDF:75.7/56

Out: -59.044+/-9.681 χ^2/NDF:121.6/63

All: -56.148+/-6.899 χ^2/NDF: 197.5/120



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

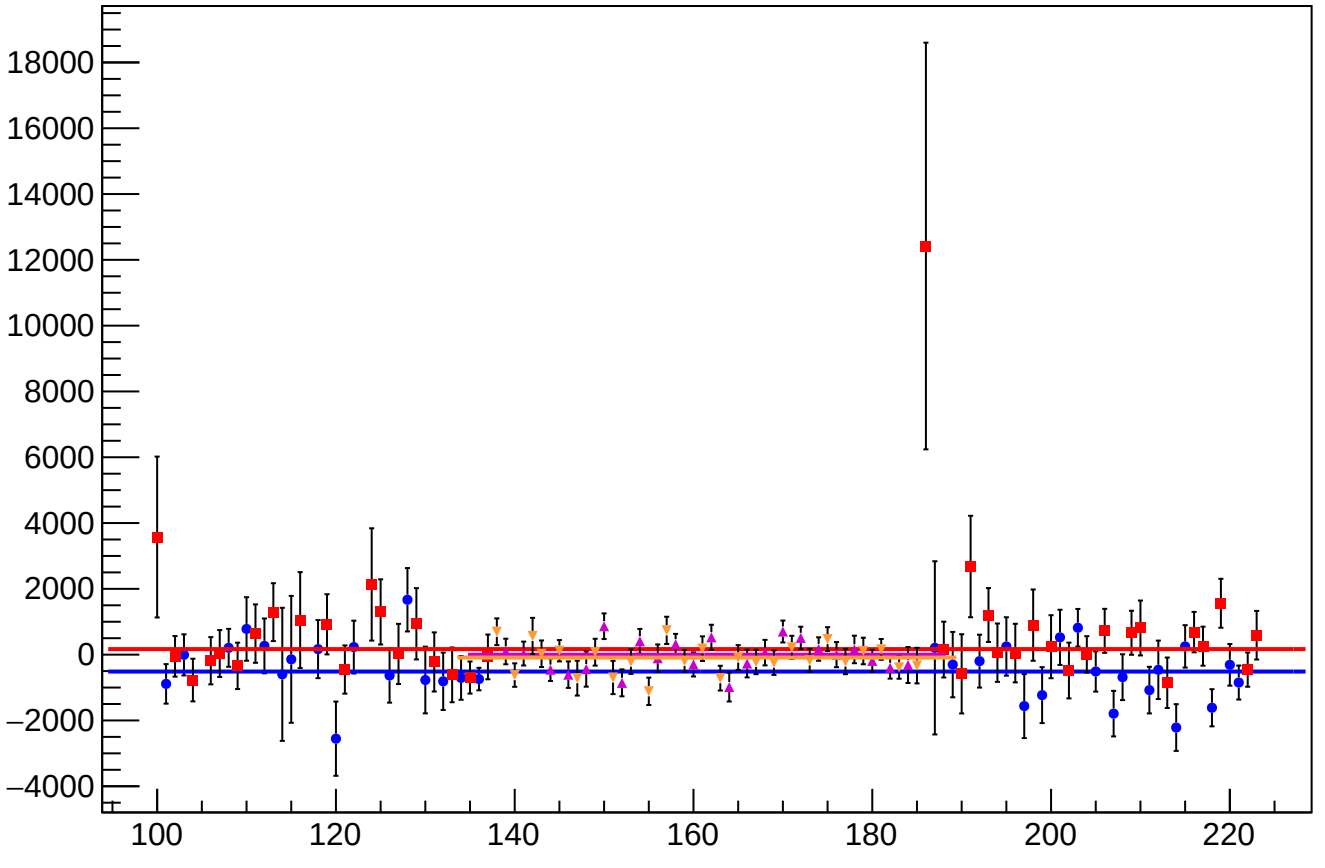
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.270+/-0.007 χ^2/NDF: 3644729.7/72

In: 61.584+/-0.007 χ^2/NDF:1972220.8/56

Out: 61.735+/-0.007 χ^2/NDF:2755455.7/63

All: 61.660+/-0.005 χ^2/NDF: 4727915.6/120



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

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

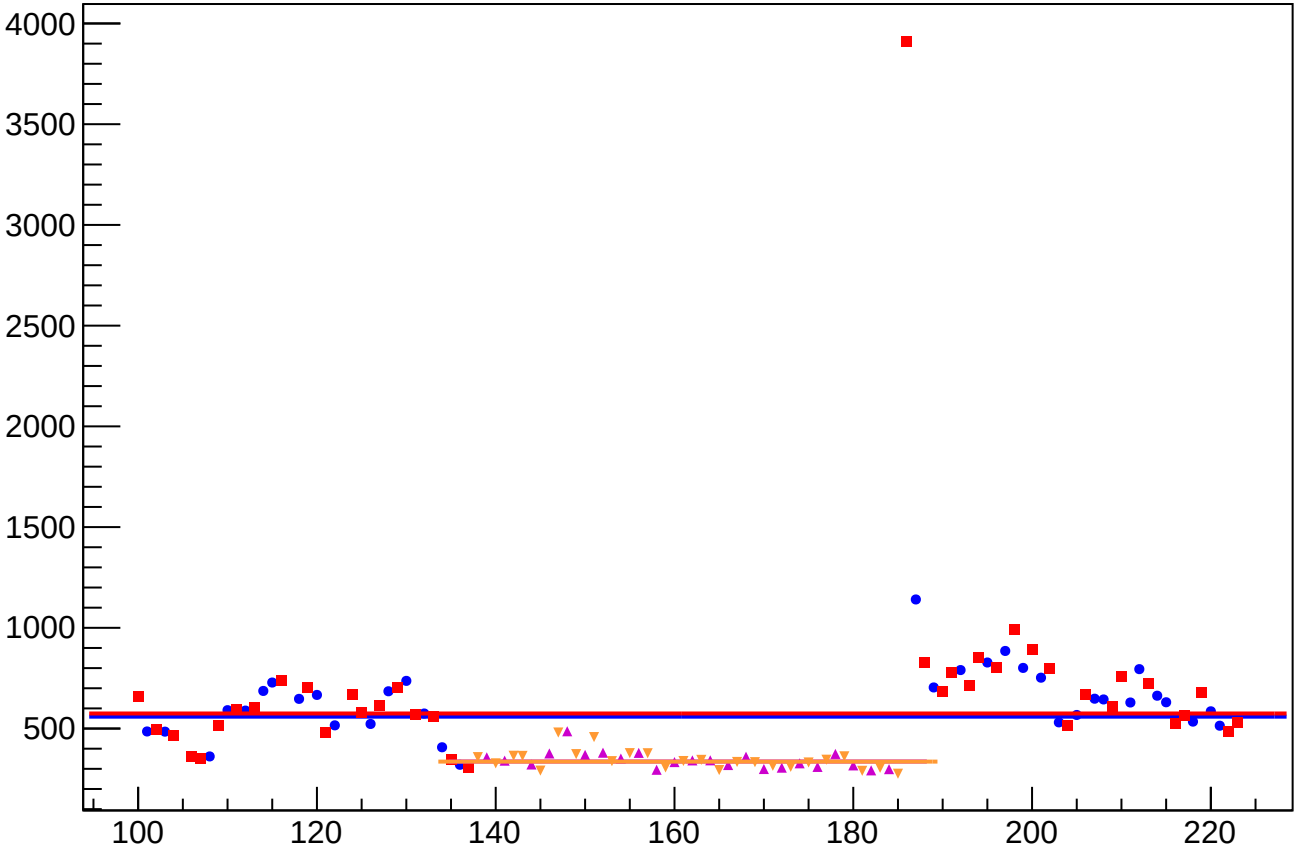
Right: -177.986+/-88.175 χ^2/NDF: 91.8/72

In: -151.537+/-66.690 χ^2/NDF:87.0/56

Out: -18.651+/-65.675 χ^2/NDF:68.5/63

All: -84.075+/-46.794 χ^2/NDF: 157.5/120

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



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

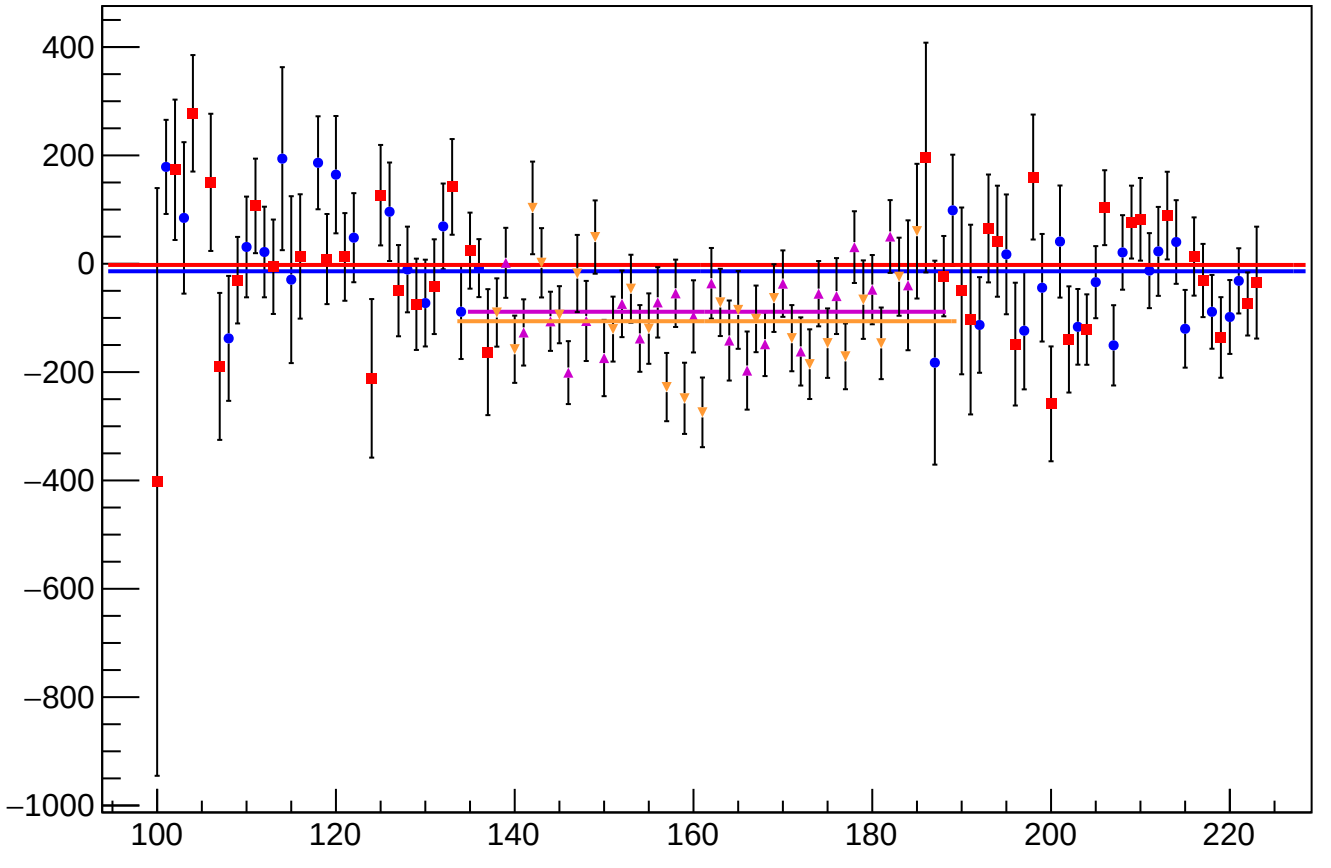
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 566.760+/-0.062 χ^2/NDF: 6451431.8/72

In: 401.110+/-0.047 χ^2/NDF:7864364.3/56

Out: 401.035+/-0.046 χ^2/NDF:9365793.5/63

All: 401.072+/-0.033 χ^2/NDF: 17230159.1/12



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

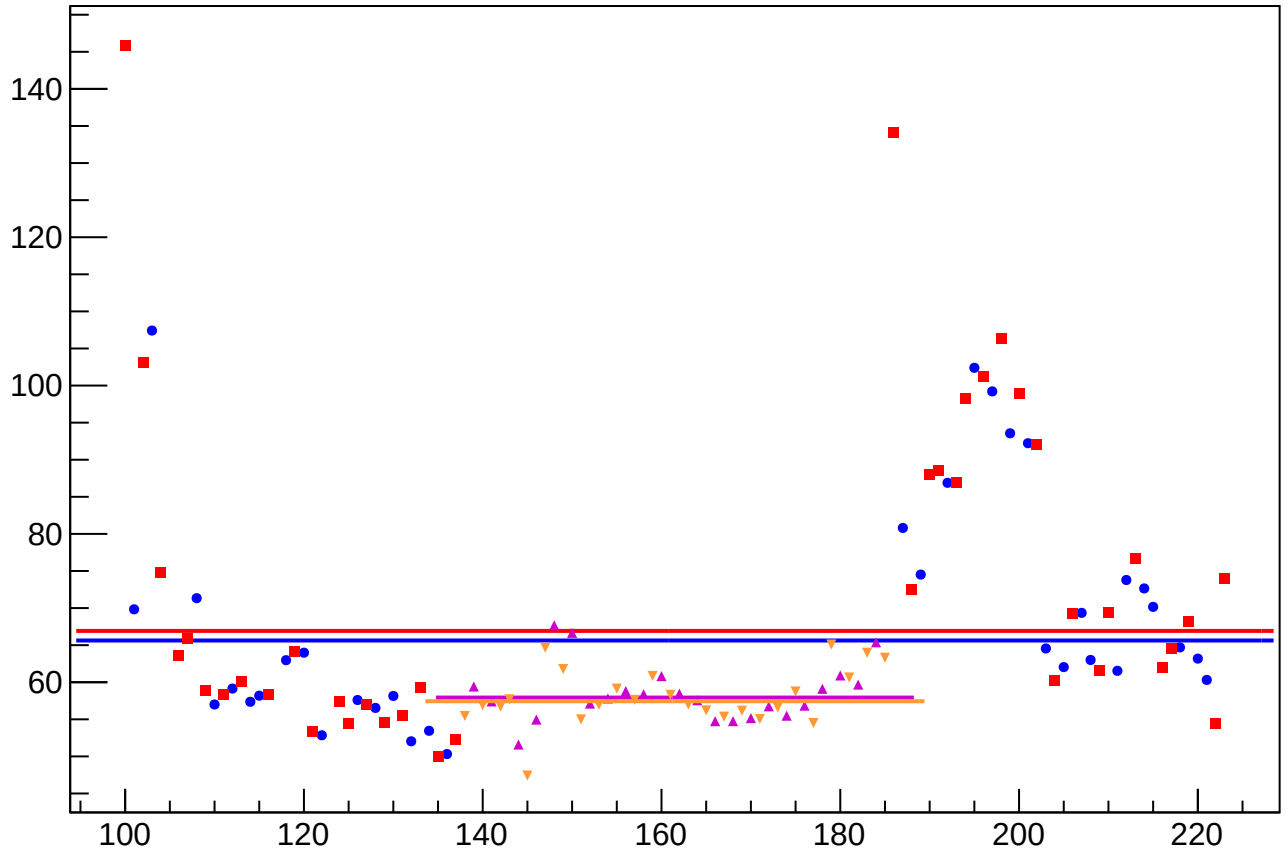
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -8.082+/-10.134 χ^2/NDF: 90.1/72

In: -53.159+/-9.835 χ^2/NDF:75.7/56

Out: -59.044+/-9.681 χ^2/NDF:121.6/63

All: -56.148+/-6.899 χ^2/NDF: 197.5/120



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

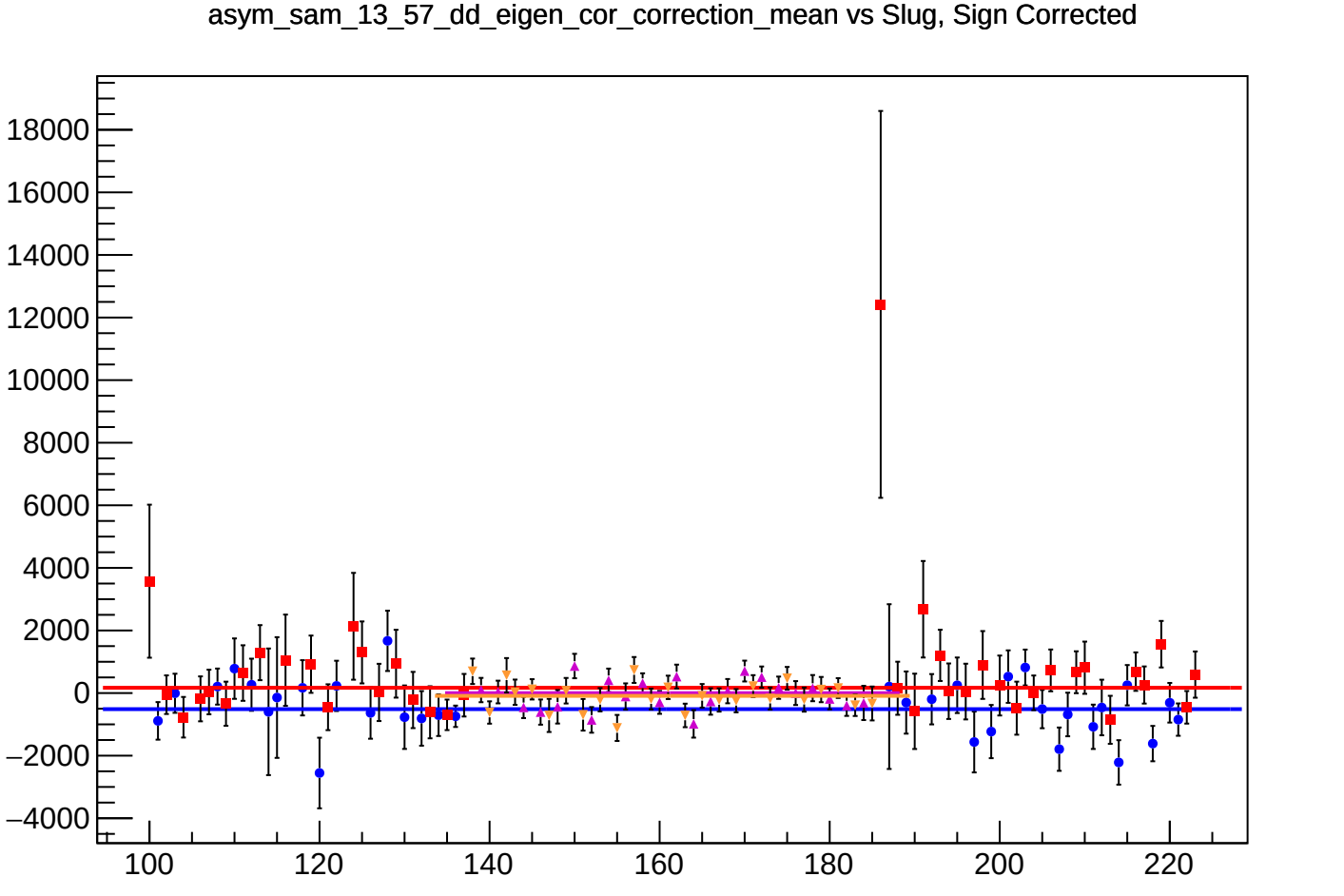
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.270+/-0.007 χ^2/NDF: 3644729.7/72

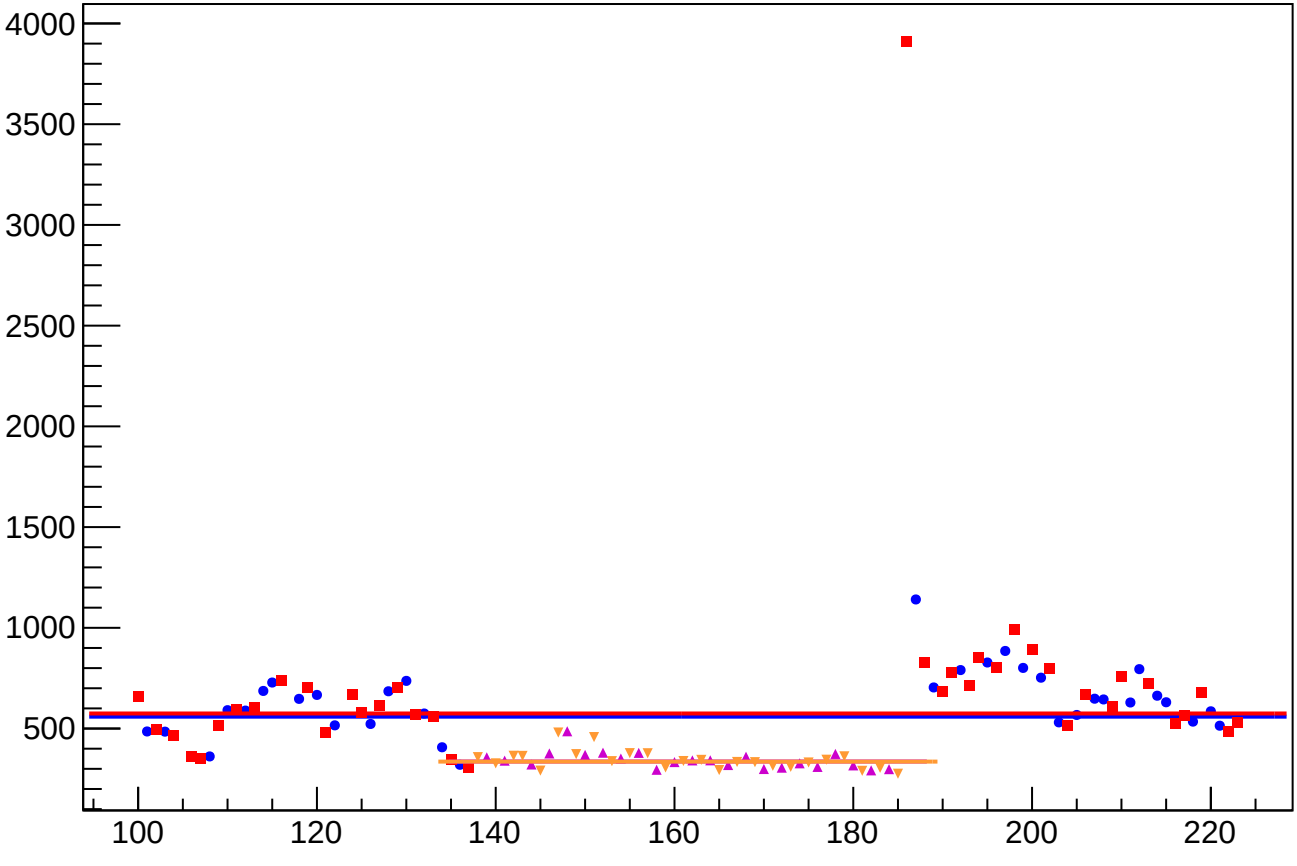
In: 61.584+/-0.007 χ^2/NDF:1972220.8/56

Out: 61.735+/-0.007 χ^2/NDF:2755455.7/63

All: 61.660+/-0.005 χ^2/NDF: 4727915.6/120


asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -513.618+/-123.664 χ²/NDF: 41.3/33
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: 169.109+/-125.758 χ²/NDF: 35.5/38
Left In: -3.047+/-79.193 χ²/NDF:33.6/22
Left: -47.256+/-55.210 χ²/NDF: 64.1/47
Right: -177.986+/-88.175 χ²/NDF: 91.8/72
In: -151.537+/-66.690 χ²/NDF:87.0/56
Out: -18.651+/-65.675 χ²/NDF:68.5/63
All: -84.075+/-46.794 χ²/NDF: 157.5/120

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

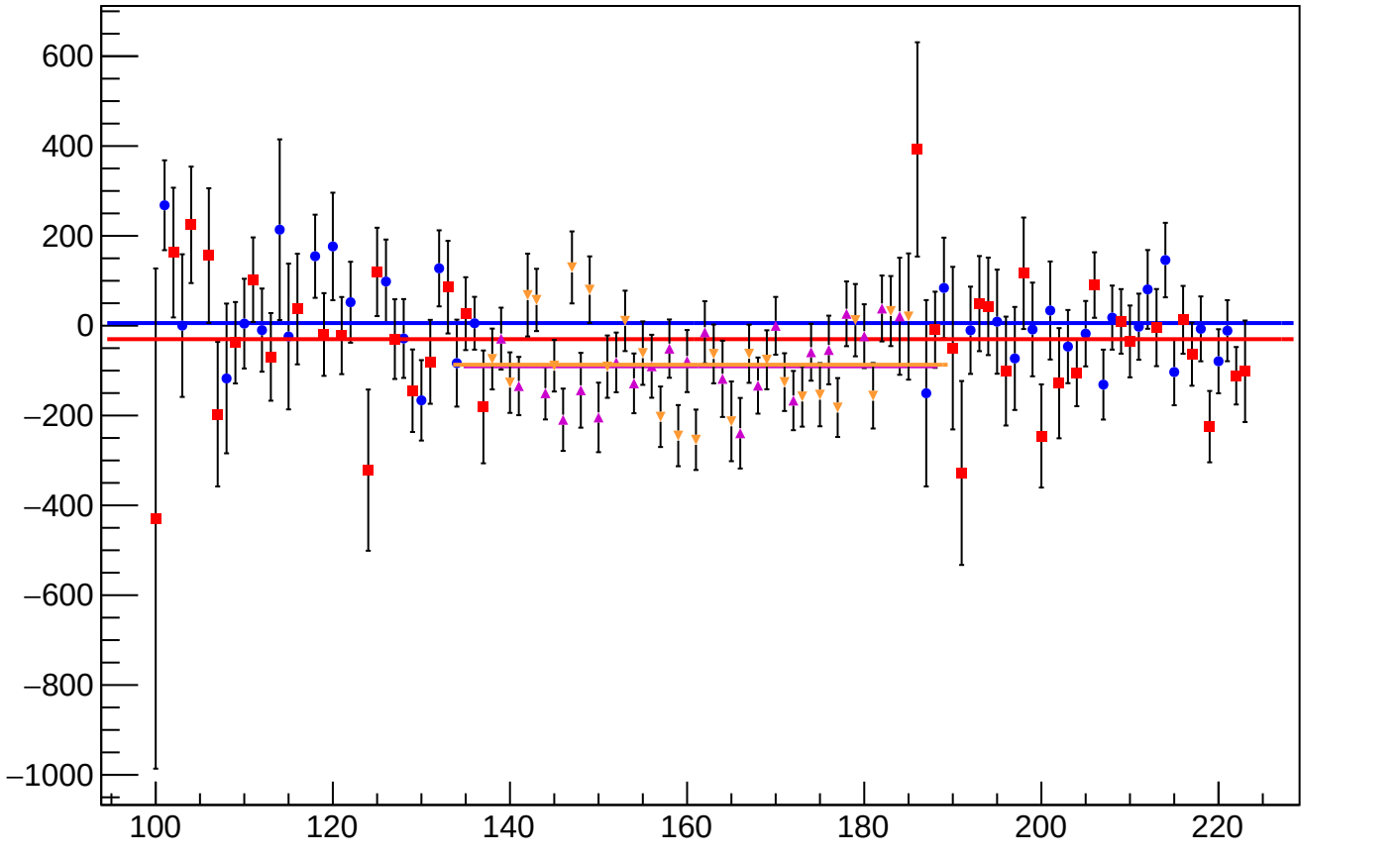
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 566.760+/-0.062 χ^2/NDF: 6451431.8/72

In: 401.110+/-0.047 χ^2/NDF:7864364.3/56

Out: 401.035+/-0.046 χ^2/NDF:9365793.5/63

All: 401.072+/-0.033 χ^2/NDF: 17230159.1/12



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

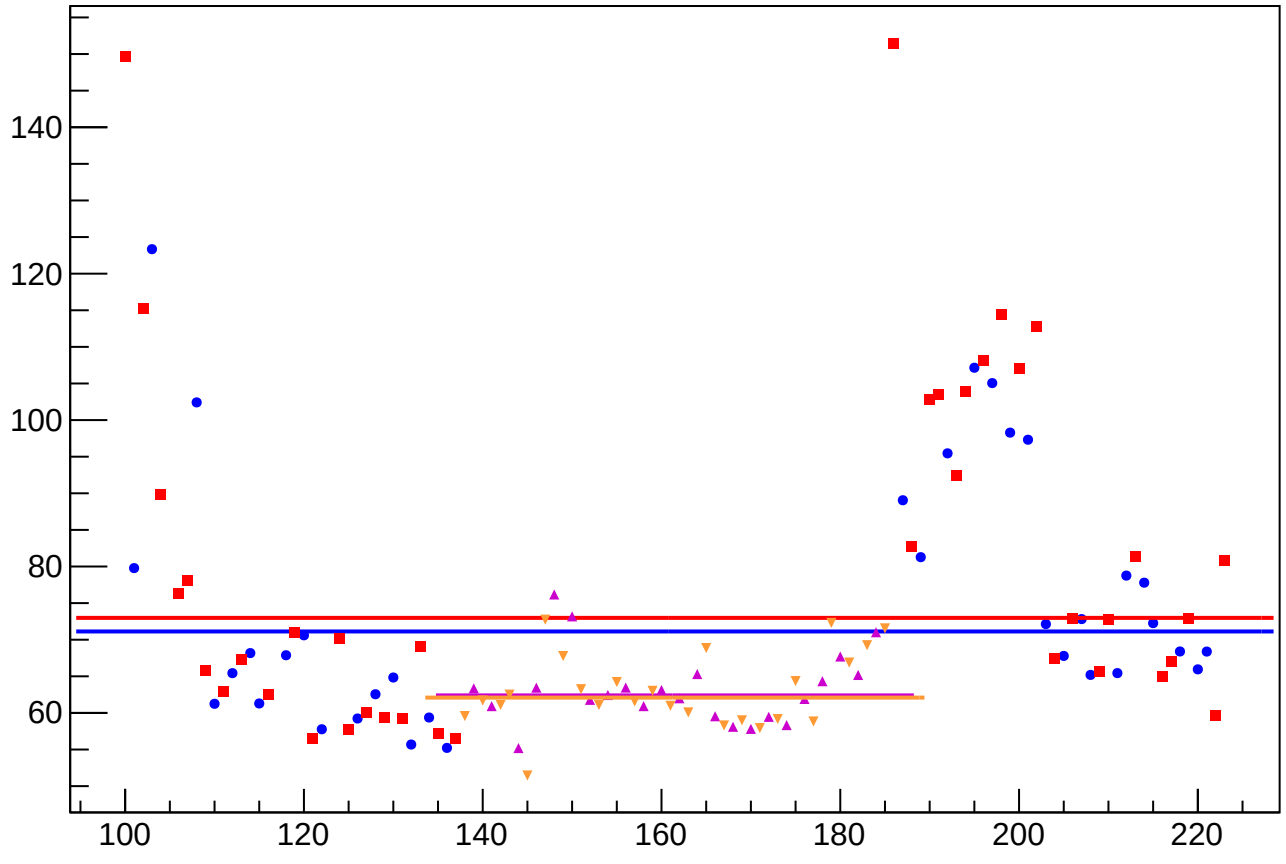
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -11.806+/-11.052 χ^2/NDF: 82.6/72

In: -44.988+/-10.654 χ^2/NDF:79.1/56

Out: -61.467+/-10.535 χ^2/NDF:102.3/63

All: -53.320+/-7.491 χ^2/NDF: 182.6/120



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

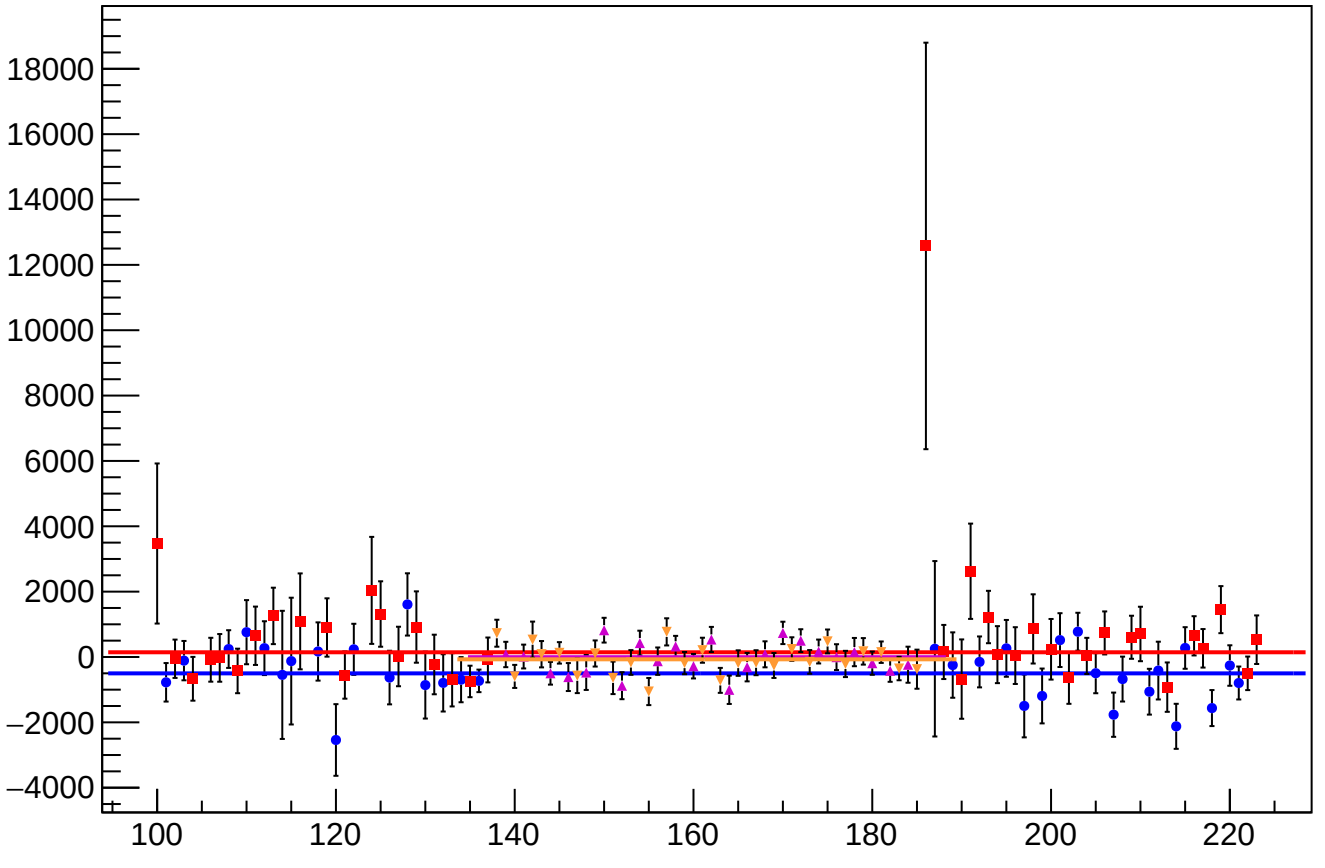
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.042+/-0.008 χ^2/NDF: 3756637.2/72

In: 66.513+/-0.008 χ^2/NDF:2062816.4/56

Out: 66.968+/-0.007 χ^2/NDF:2965127.9/63

All: 66.743+/-0.005 χ^2/NDF: 5029783.5/120



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

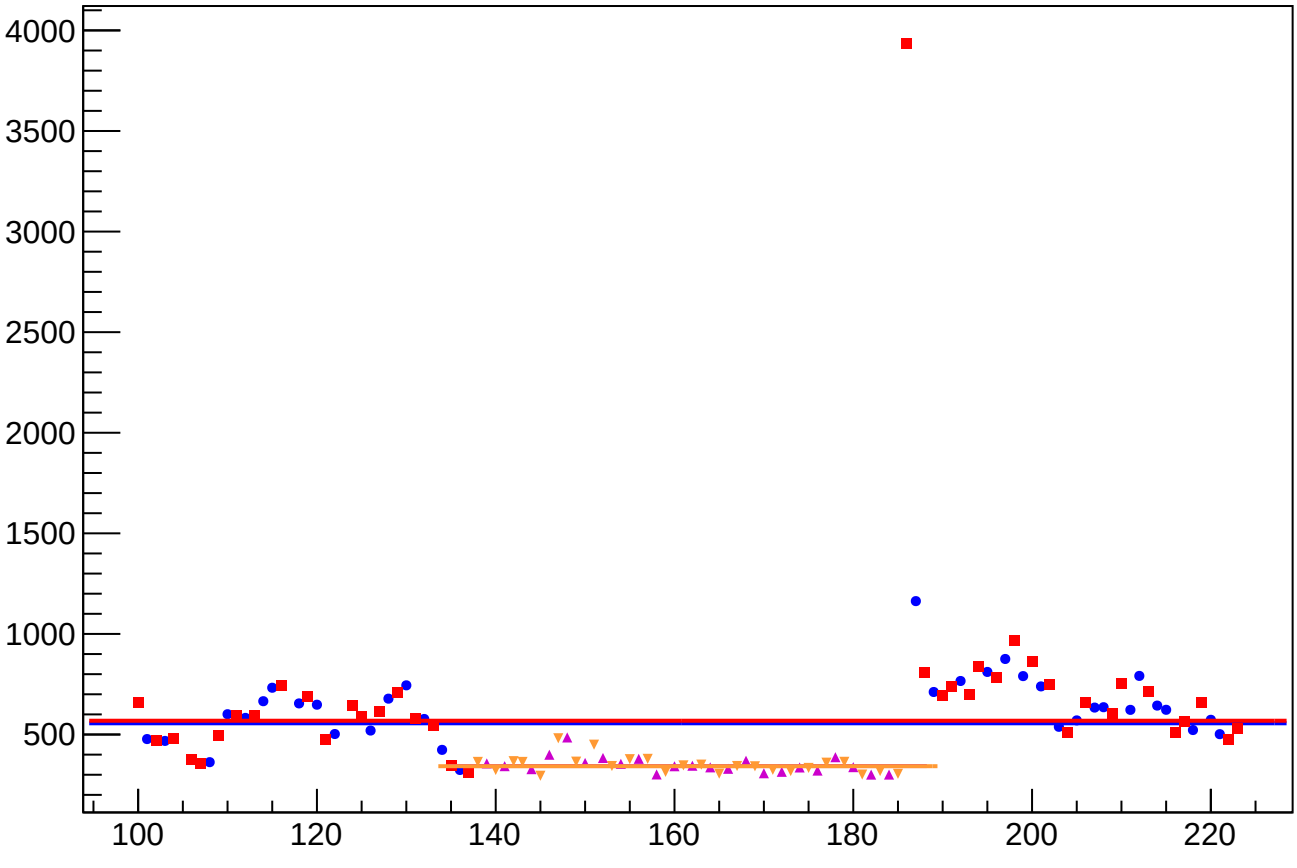
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -182.131+/-87.183 χ^2/NDF: 90.5/72

In: -155.946+/-67.447 χ^2/NDF:85.5/56

Out: -9.774+/-66.261 χ^2/NDF:67.4/63

All: -81.563+/-47.268 χ^2/NDF: 155.3/120



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

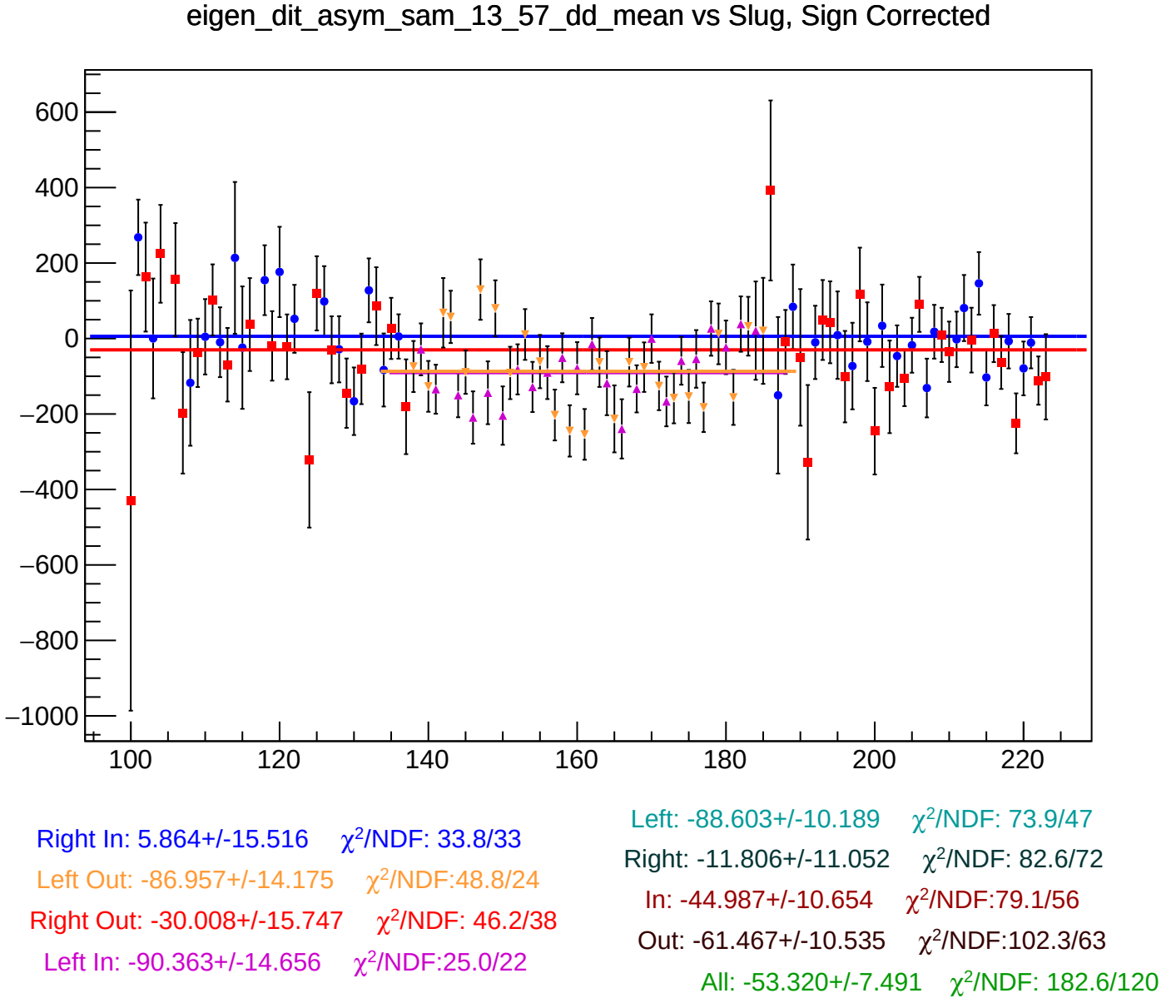
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

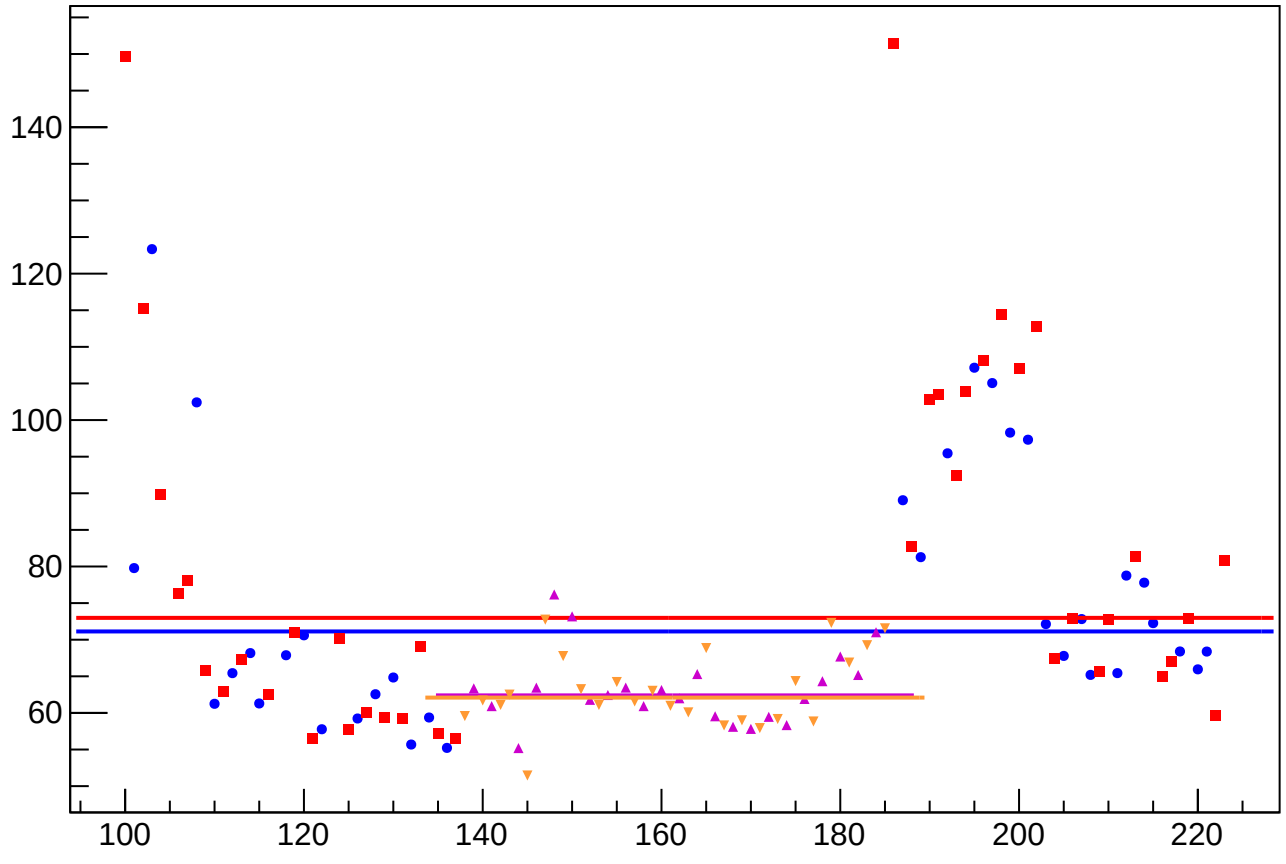
Right: 562.084+/-0.062 χ^2/NDF: 6147238.7/72

In: 407.543+/-0.048 χ^2/NDF:7276415.3/56

Out: 407.067+/-0.047 χ^2/NDF:8606385.6/63

All: 407.301+/-0.033 χ^2/NDF: 15882851.6/12


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: 5.864+/-15.516 χ²/NDF: 33.8/33
Left Out: -86.957+/-14.175 χ²/NDF:48.8/24
Right Out: -30.008+/-15.747 χ²/NDF: 46.2/38
Left In: -90.363+/-14.656 χ²/NDF:25.0/22
Left: -88.603+/-10.189 χ²/NDF: 73.9/47
Right: -11.806+/-11.052 χ²/NDF: 82.6/72
In: -44.987+/-10.654 χ²/NDF:79.1/56
Out: -61.467+/-10.535 χ²/NDF:102.3/63
All: -53.320+/-7.491 χ²/NDF: 182.6/120



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

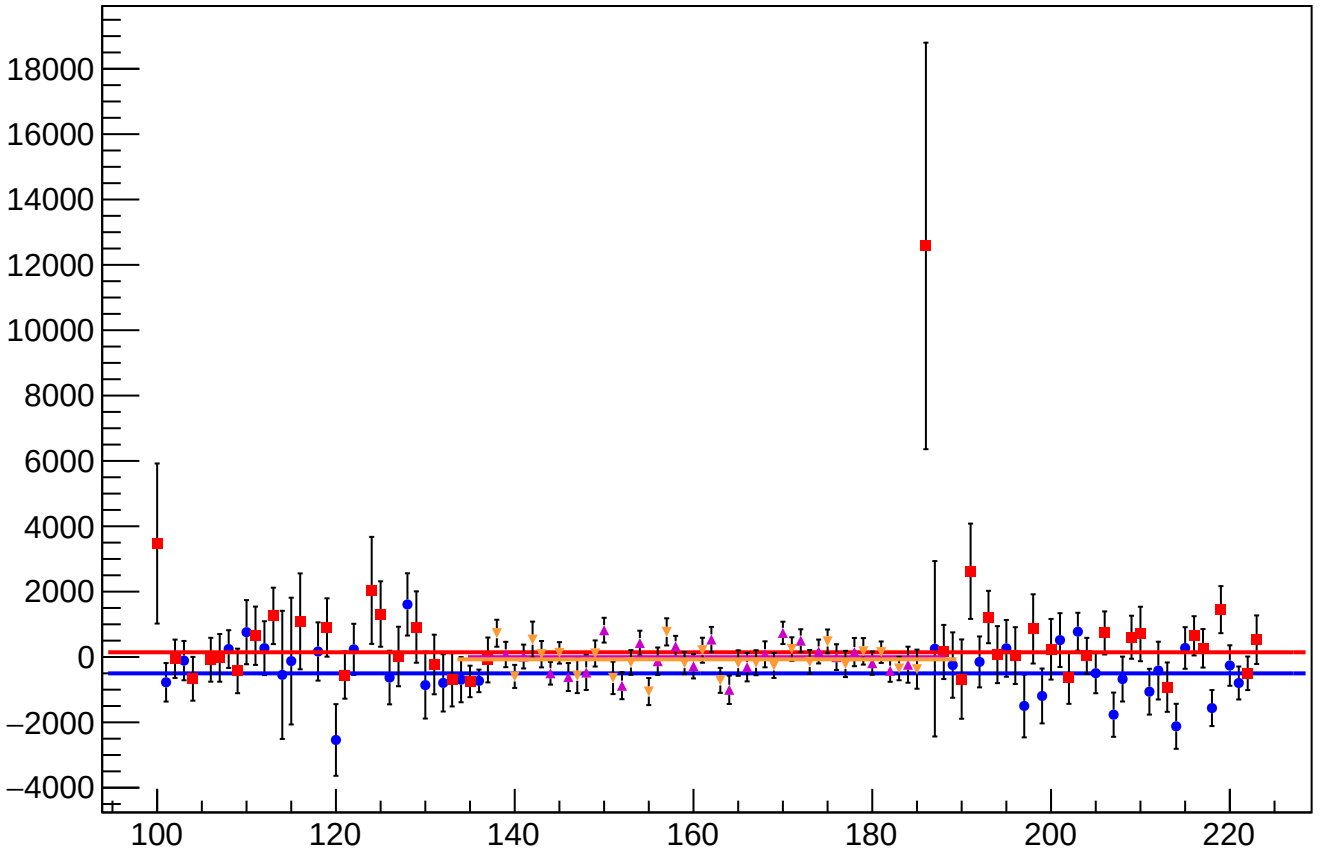
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 72.042+/-0.008 χ^2/NDF: 3756665.9/72

In: 66.513+/-0.008 χ^2/NDF:2062838.1/56

Out: 66.968+/-0.007 χ^2/NDF:2965132.1/63

All: 66.743+/-0.005 χ^2/NDF: 5029809.2/120



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

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

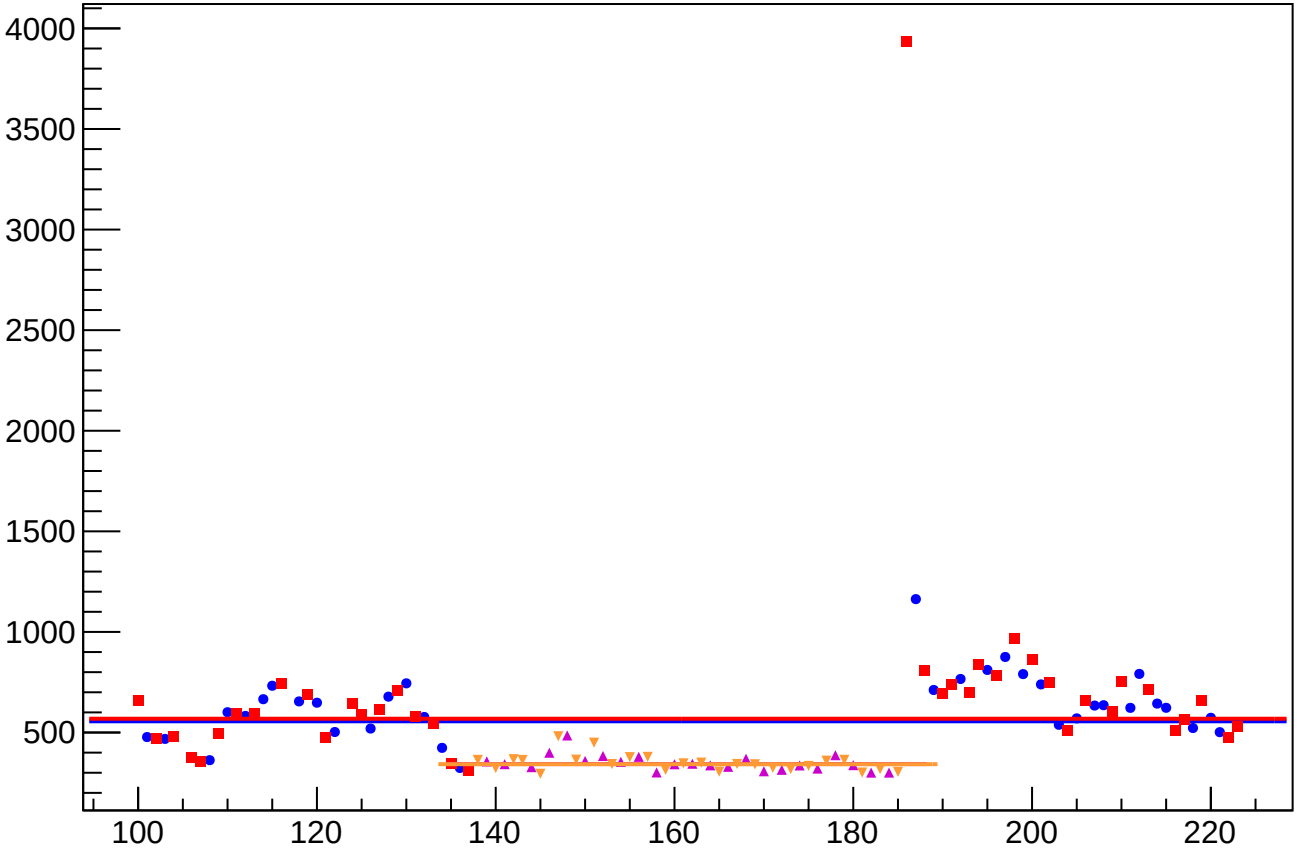
Right: -182.130+/-87.183 χ^2/NDF: 90.5/72

In: -155.946+/-67.447 χ^2/NDF:85.5/56

Out: -9.774+/-66.261 χ^2/NDF:67.4/63

All: -81.563+/-47.268 χ^2/NDF: 155.3/120

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

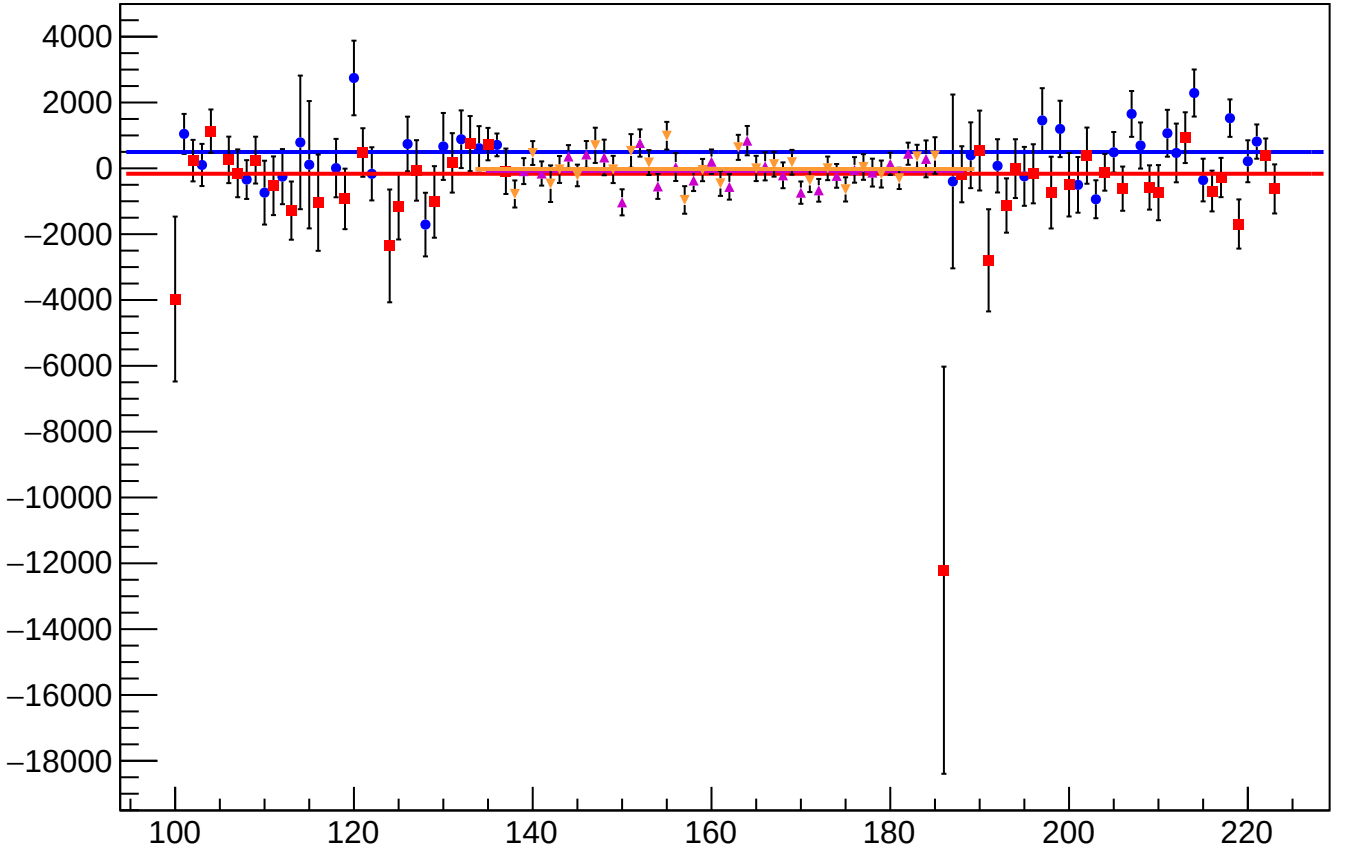
Right: 562.084+/-0.062 χ^2/NDF: 6147247.2/72

In: 407.543+/-0.048 χ^2/NDF:7276398.6/56

Out: 407.067+/-0.047 χ^2/NDF:8606372.2/63

All: 407.301+/-0.033 χ^2/NDF: 15882821.6/12

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

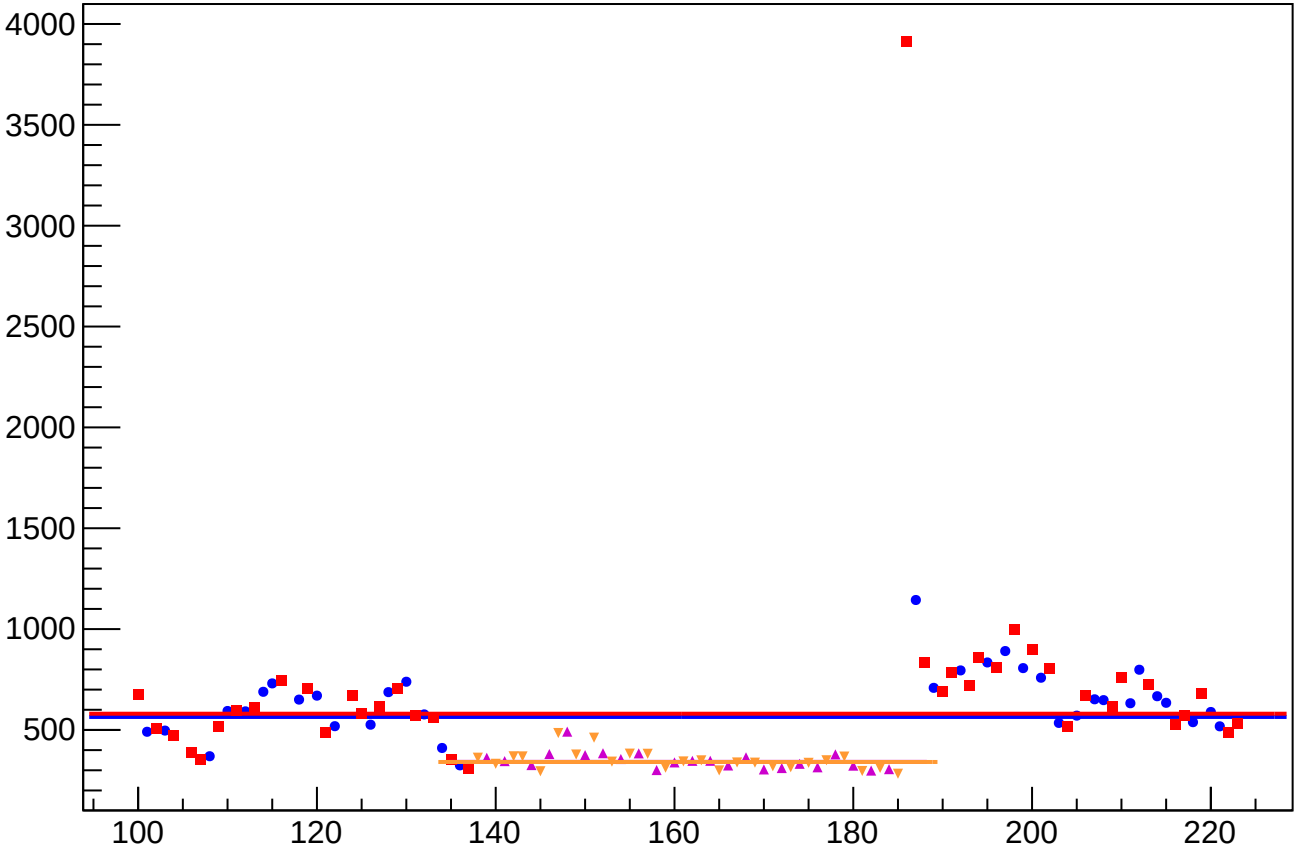
Right: 170.843+/-88.898 χ^2/NDF: 93.8/72

In: 90.009+/-67.587 χ^2/NDF:90.1/56

Out: -60.121+/-66.545 χ^2/NDF:70.2/63

All: 13.778+/-47.419 χ^2/NDF: 162.7/120

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

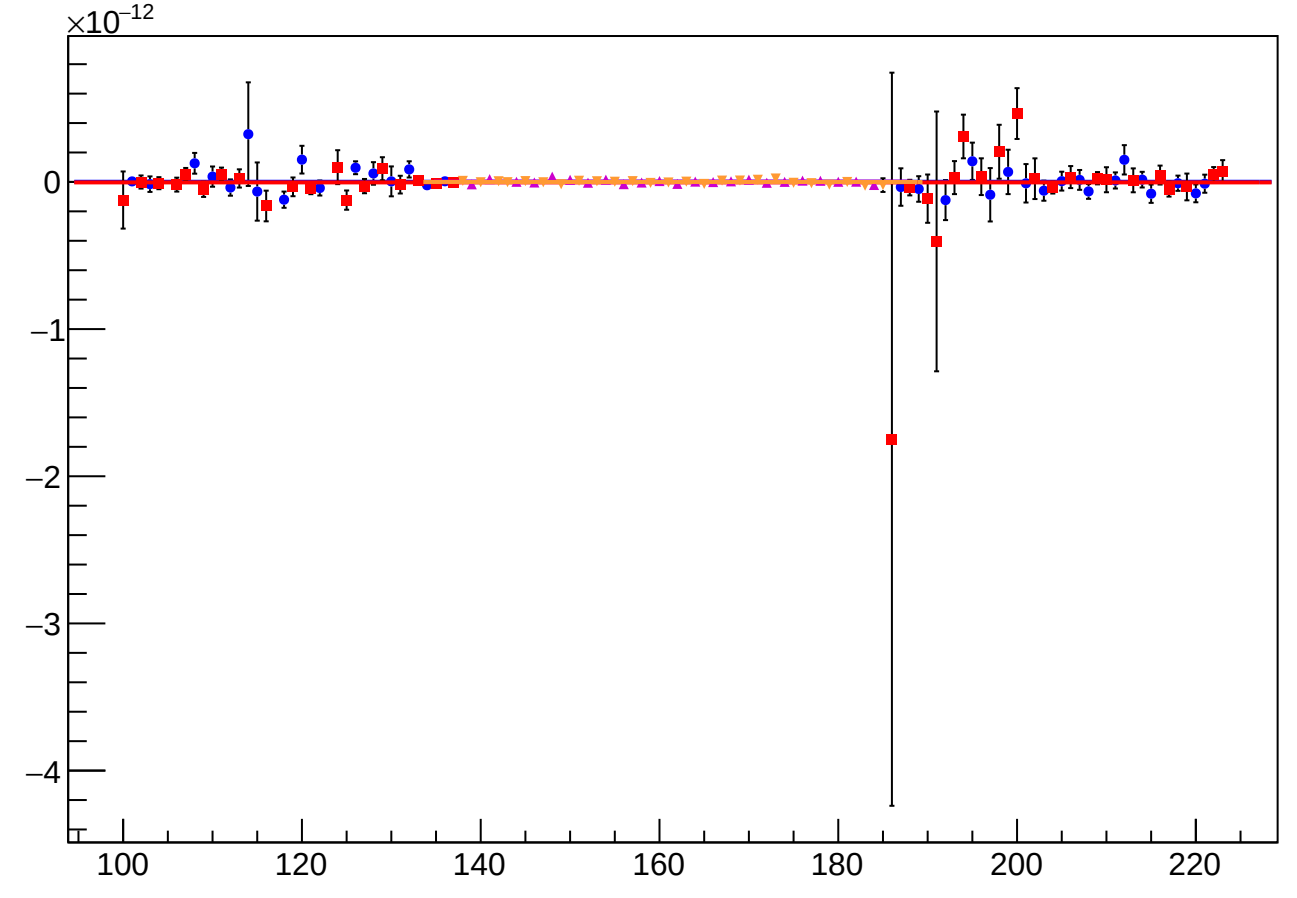
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 572.332+/-0.063 χ^2/NDF: 6298040.2/72

In: 407.030+/-0.048 χ^2/NDF:7688517.6/56

Out: 407.184+/-0.047 χ^2/NDF:9173212.0/63

All: 407.108+/-0.034 χ^2/NDF: 16861734.9/12



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

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

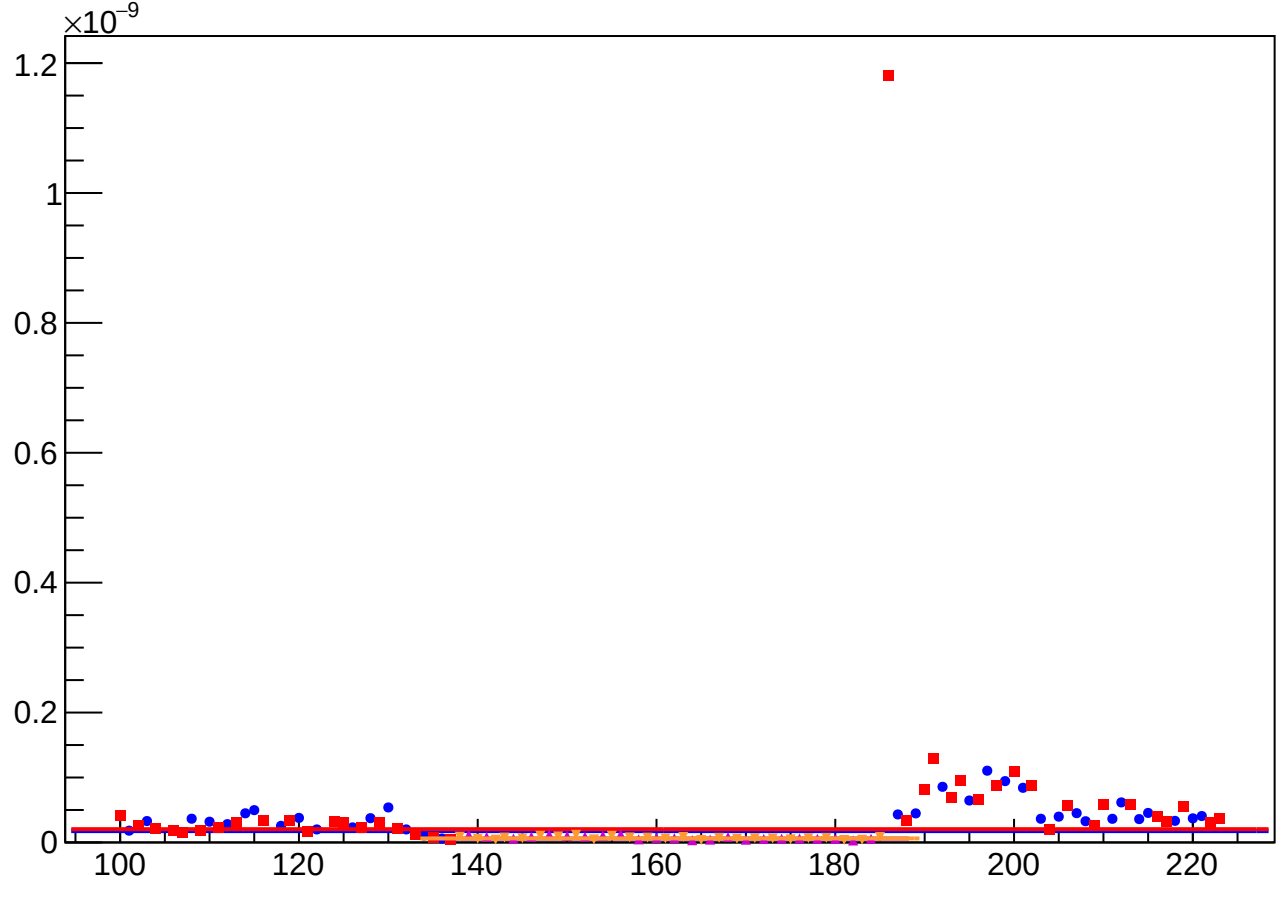
Right: -0.000+/-0.000 χ^2/NDF: 67.3/72

In: 0.000+/-0.000 χ^2/NDF:47.1/56

Out: -0.000+/-0.000 χ^2/NDF:53.7/63

All: 0.000+/-0.000 χ^2/NDF: 101.6/120

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

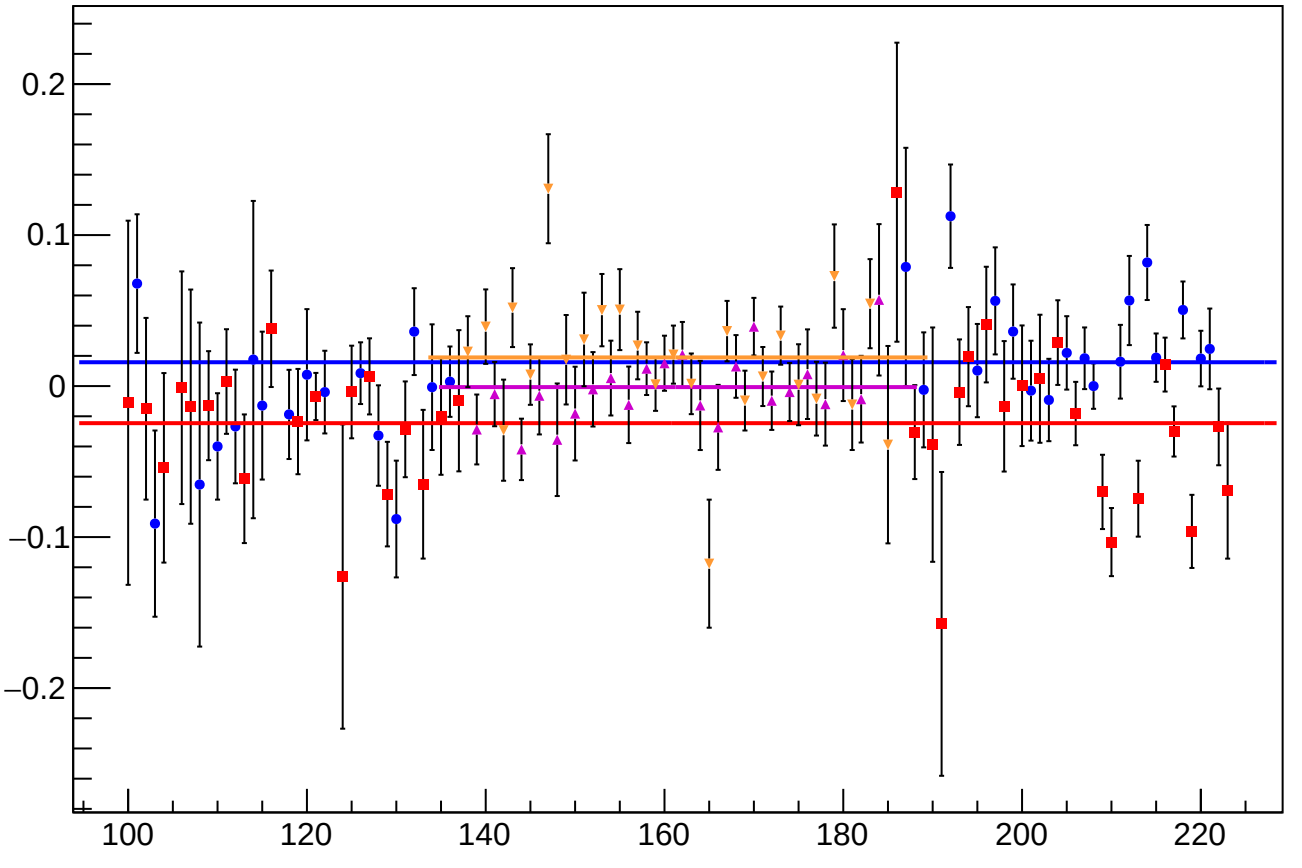
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17487177.0/72

In: 0.000+/-0.000 χ^2/NDF:15365899.2/56

Out: 0.000+/-0.000 χ^2/NDF:14900119.0/63

All: 0.000+/-0.000 χ^2/NDF: 30269045.9/120



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

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

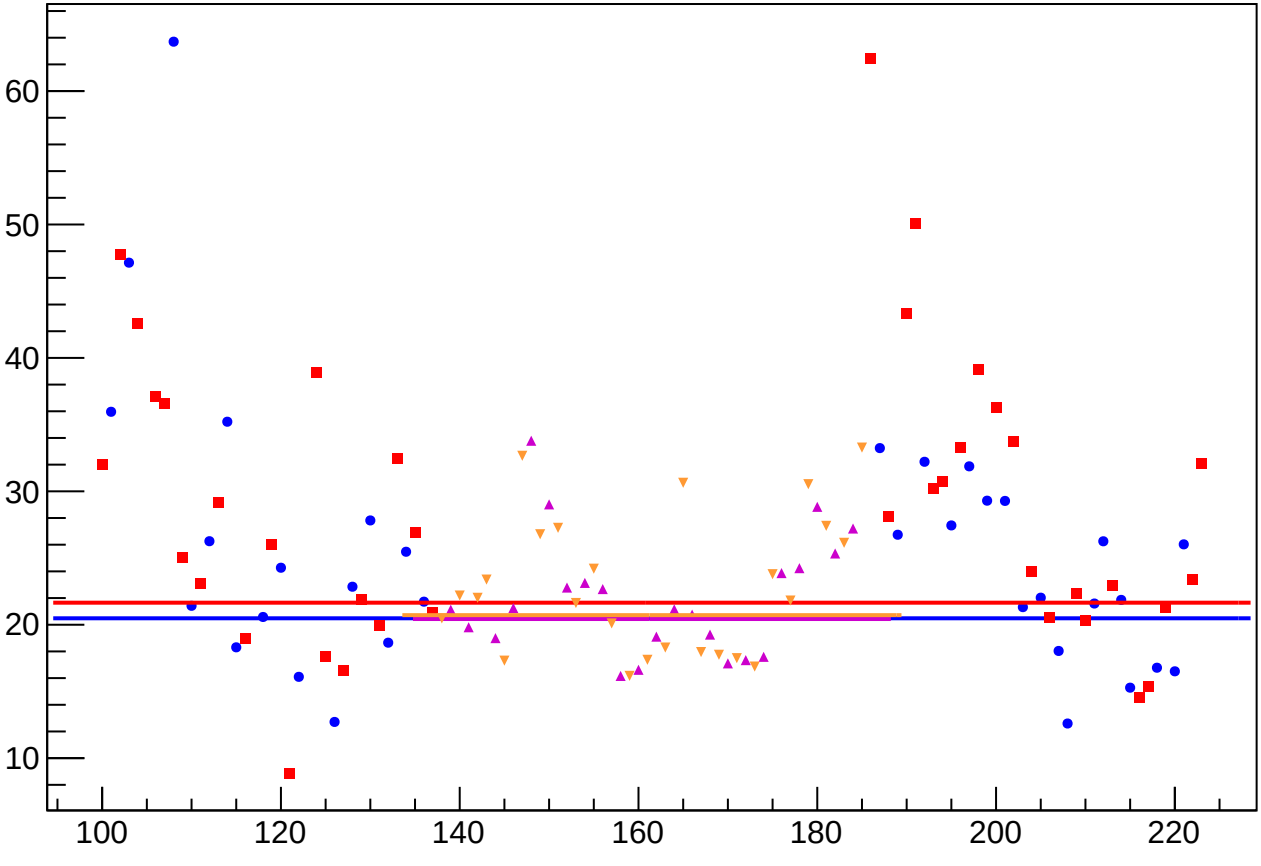
Right: -0.003+/-0.003 χ^2/NDF: 140.3/72

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.002+/-0.003 χ^2/NDF:139.3/63

All: 0.003+/-0.002 χ^2/NDF: 213.7/120

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

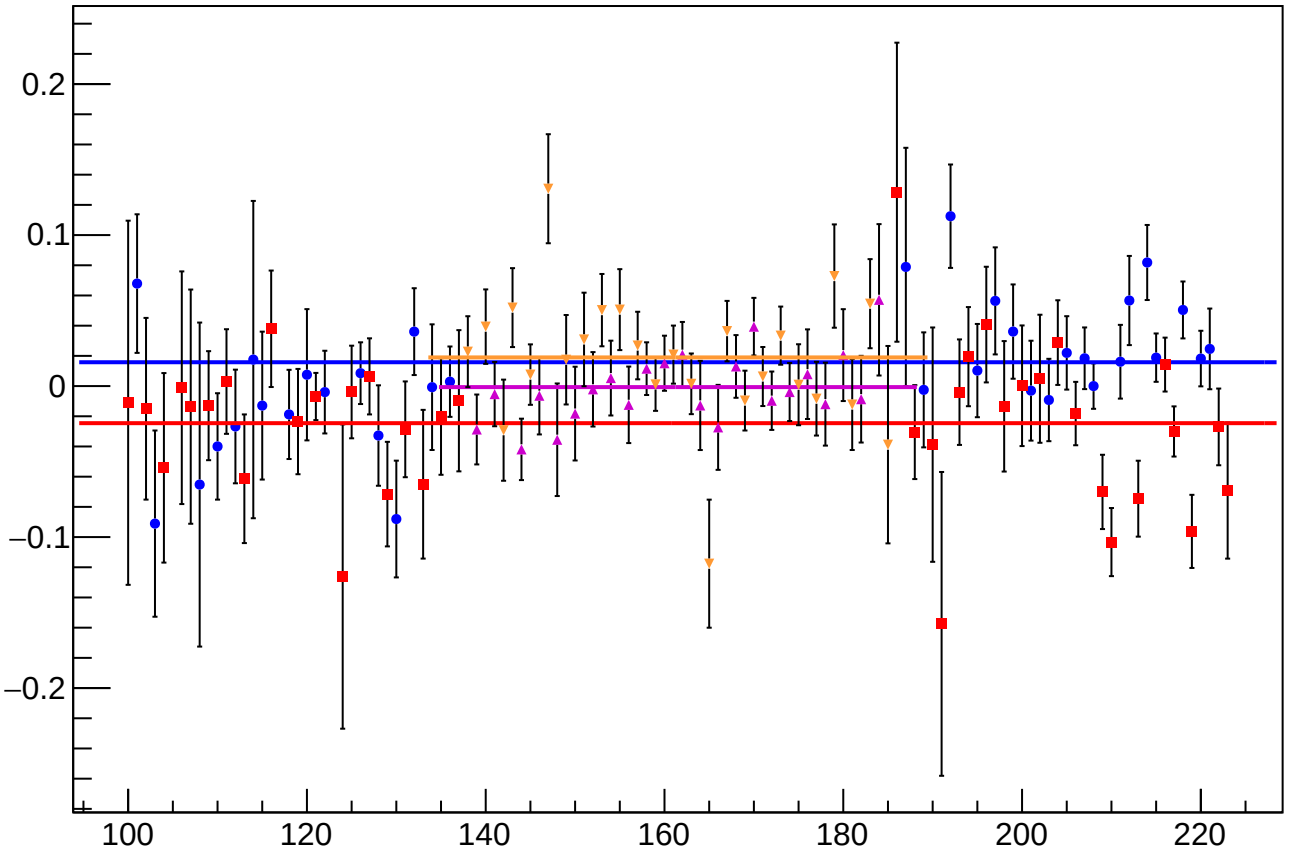
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.035+/-0.002 χ^2/NDF: 8909442.9/72

In: 20.457+/-0.002 χ^2/NDF:4763183.0/56

Out: 21.171+/-0.002 χ^2/NDF:6805179.8/63

All: 20.806+/-0.002 χ^2/NDF: 11610905.9/120



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

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

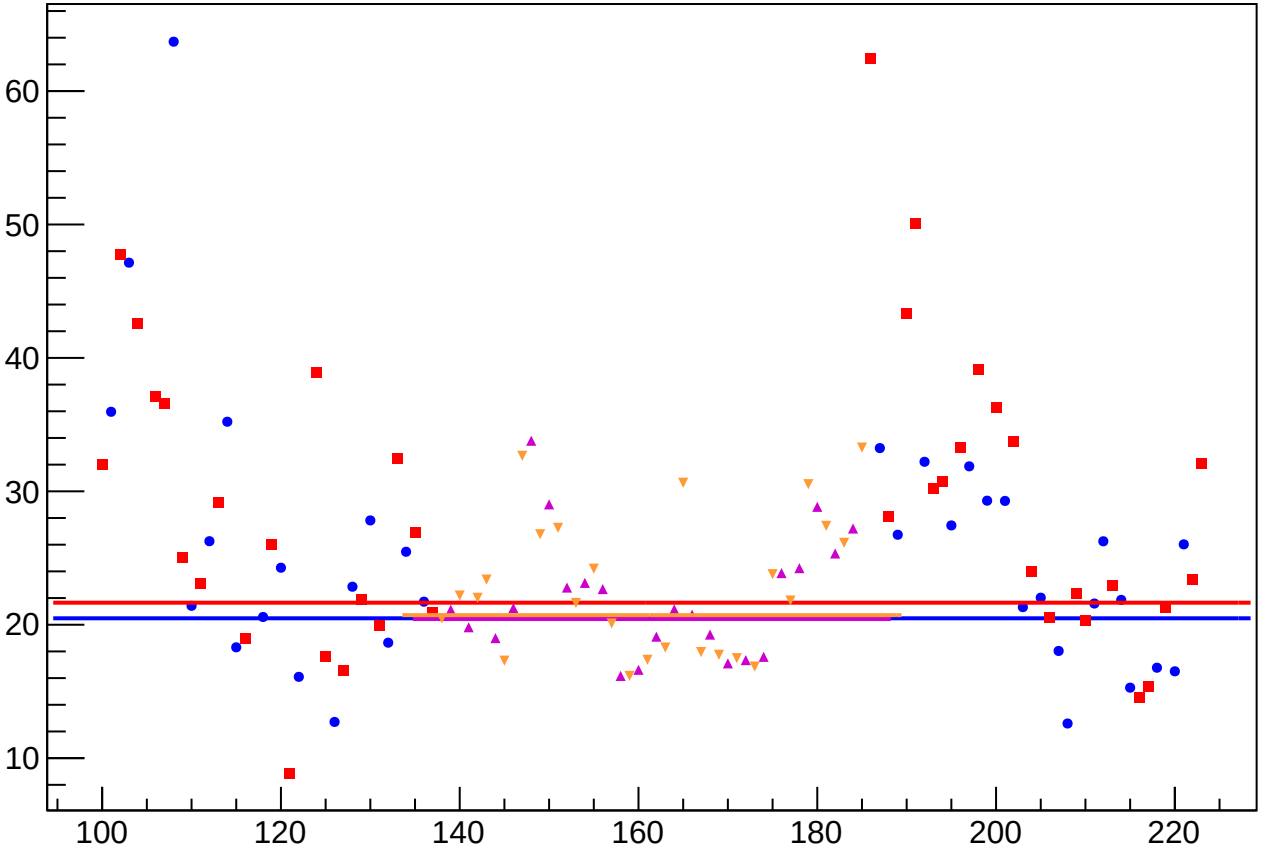
Right: -0.003+/-0.003 χ^2/NDF: 140.3/72

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.002+/-0.003 χ^2/NDF:139.3/63

All: 0.003+/-0.002 χ^2/NDF: 213.7/120

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

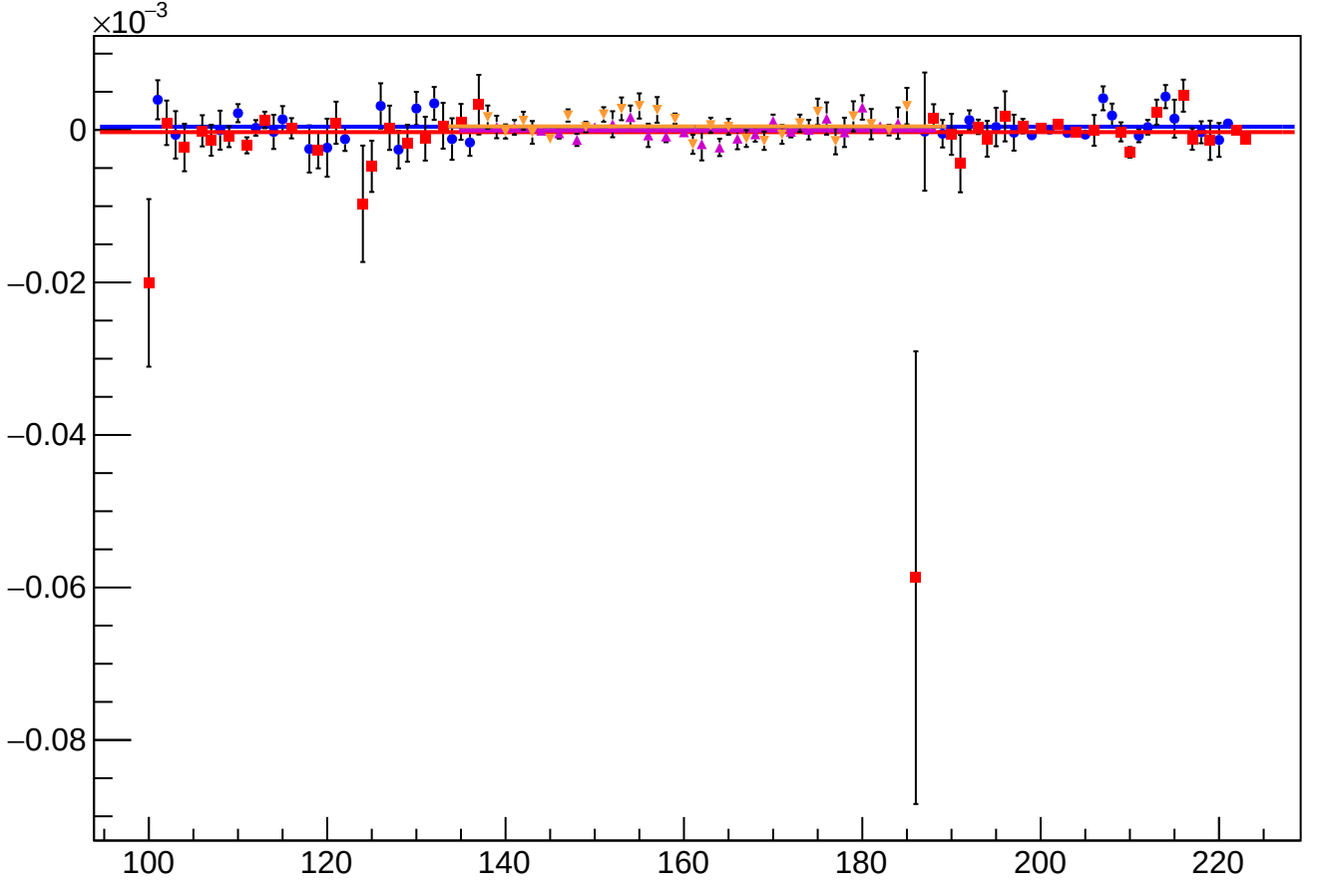
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.035+/-0.002 χ^2/NDF: 8909442.9/72

In: 20.457+/-0.002 χ^2/NDF:4763183.0/56

Out: 21.171+/-0.002 χ^2/NDF:6805179.8/63

All: 20.806+/-0.002 χ^2/NDF: 11610905.9/120



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

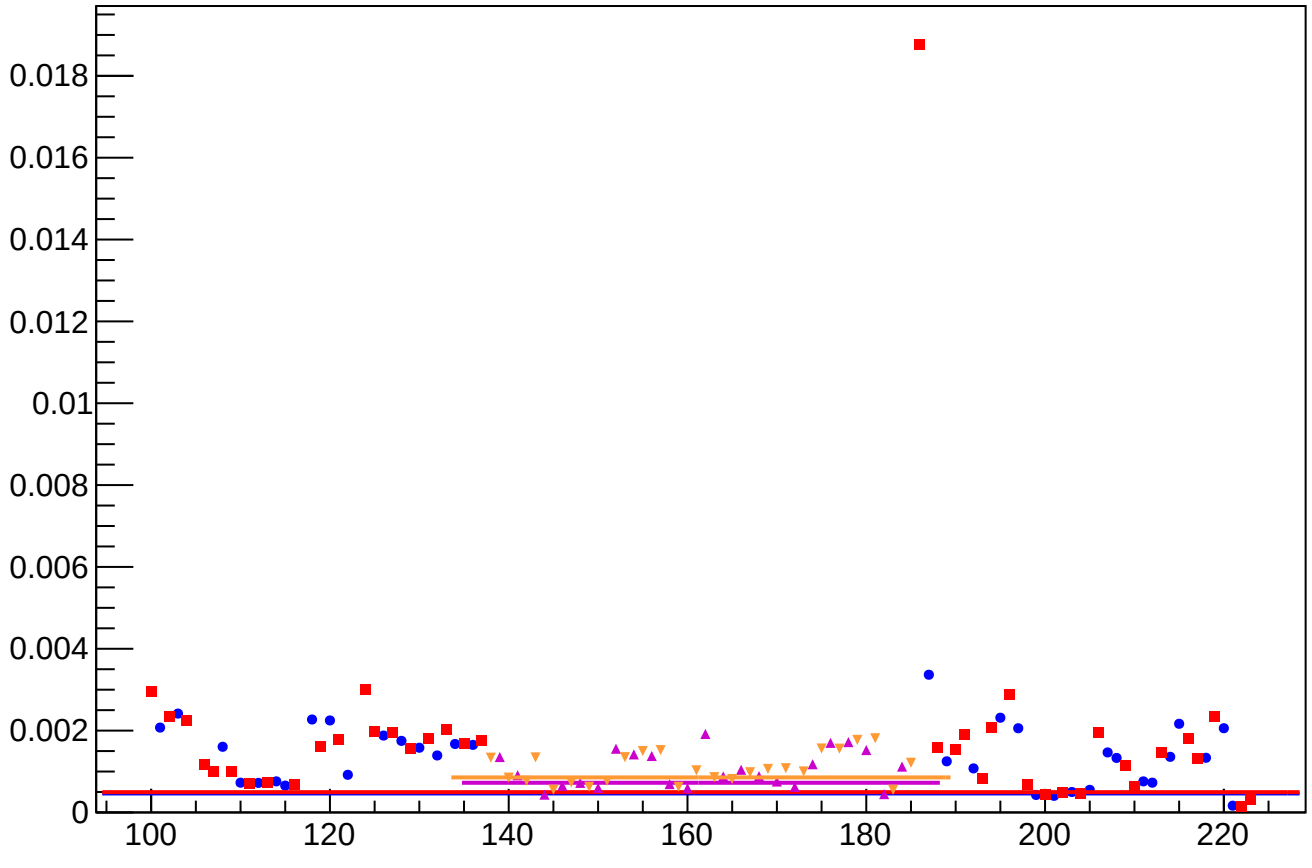
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: 0.000+/-0.000 χ^2/NDF: 114.7/72

In: 0.000+/-0.000 χ^2/NDF:70.9/56

Out: -0.000+/-0.000 χ^2/NDF:101.2/63

All: 0.000+/-0.000 χ^2/NDF: 174.8/120



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

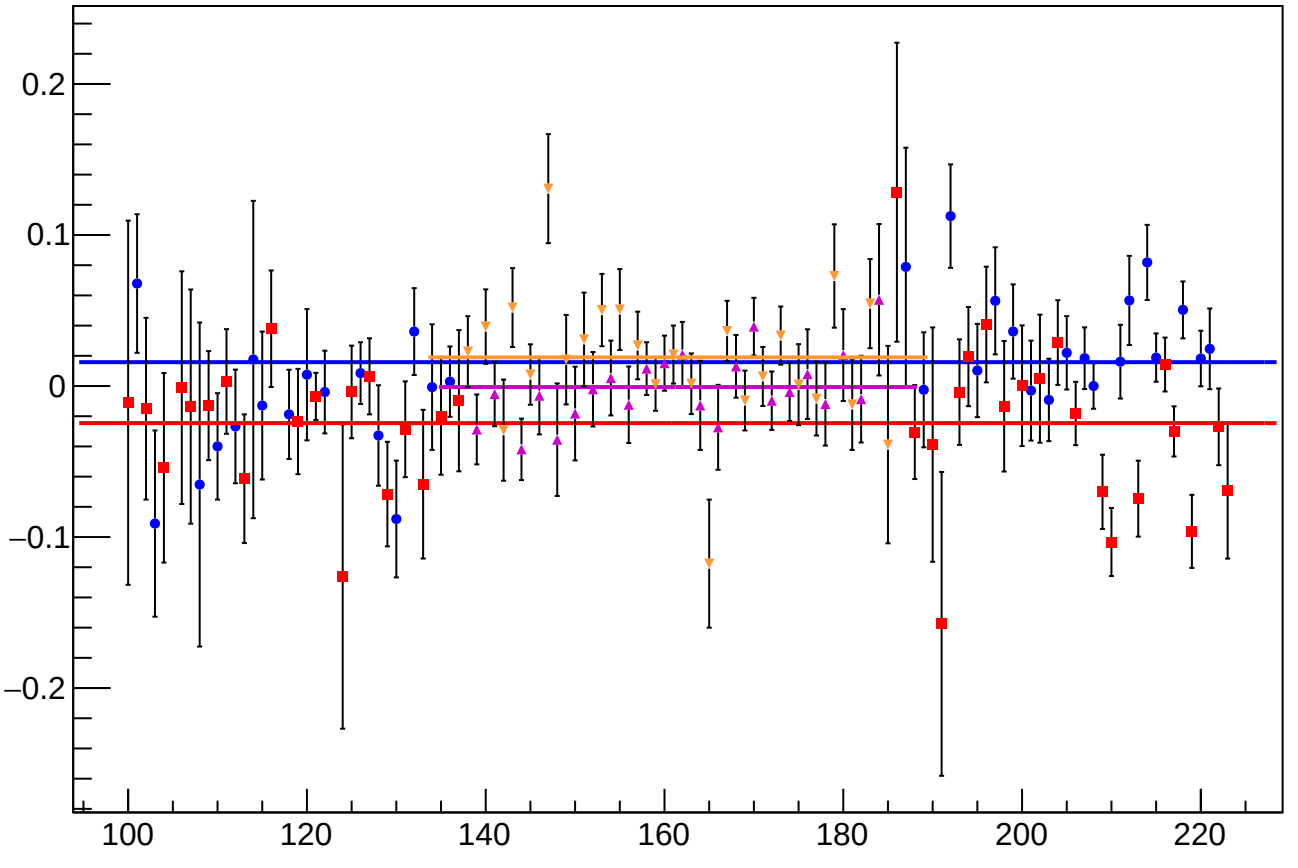
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.000+/-0.000 χ^2/NDF: 39238293.0/72

In: 0.001+/-0.000 χ^2/NDF:27620611.5/56

Out: 0.001+/-0.000 χ^2/NDF:28140937.3/63

All: 0.001+/-0.000 χ^2/NDF: 55981361.4/120



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

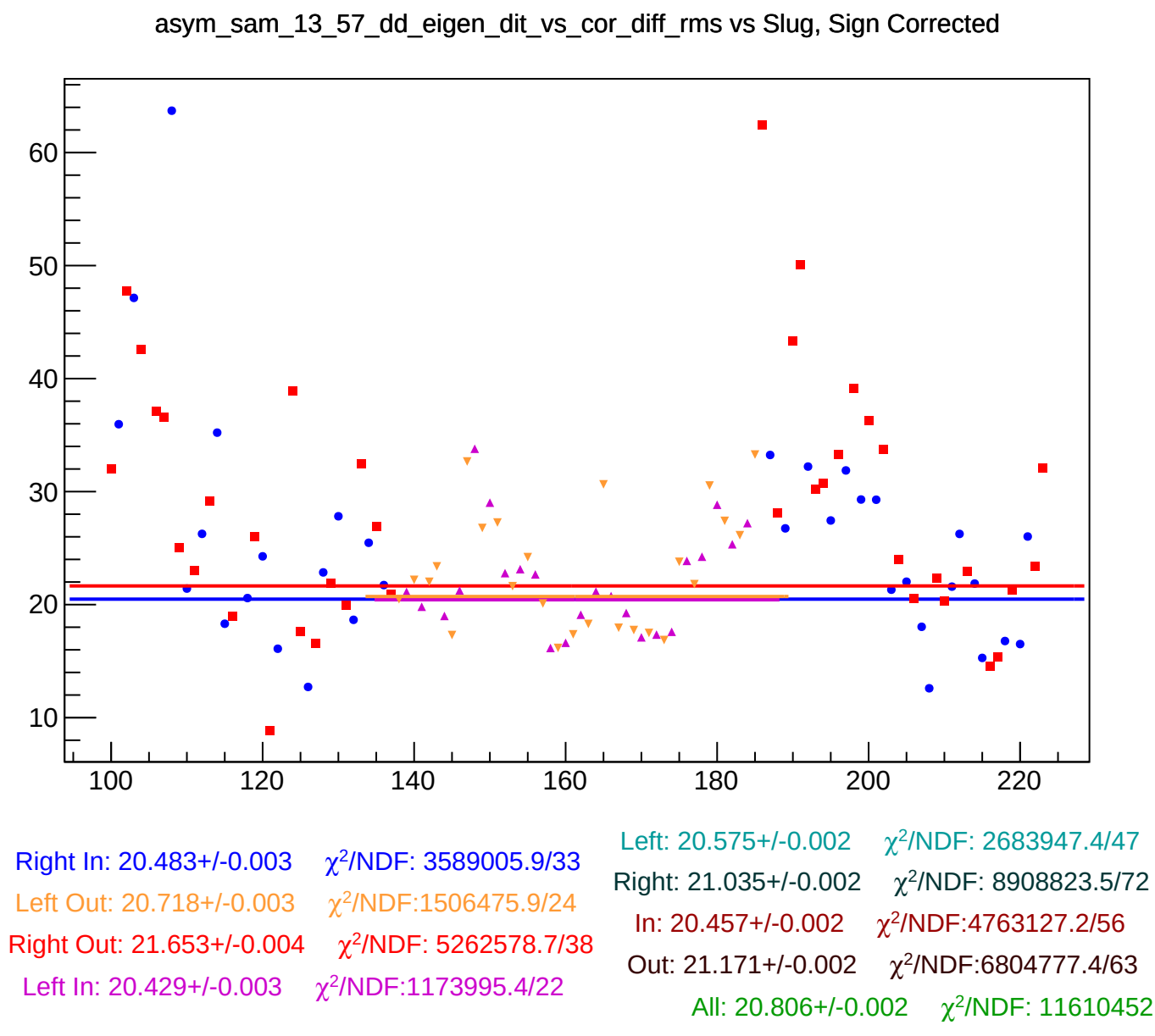
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

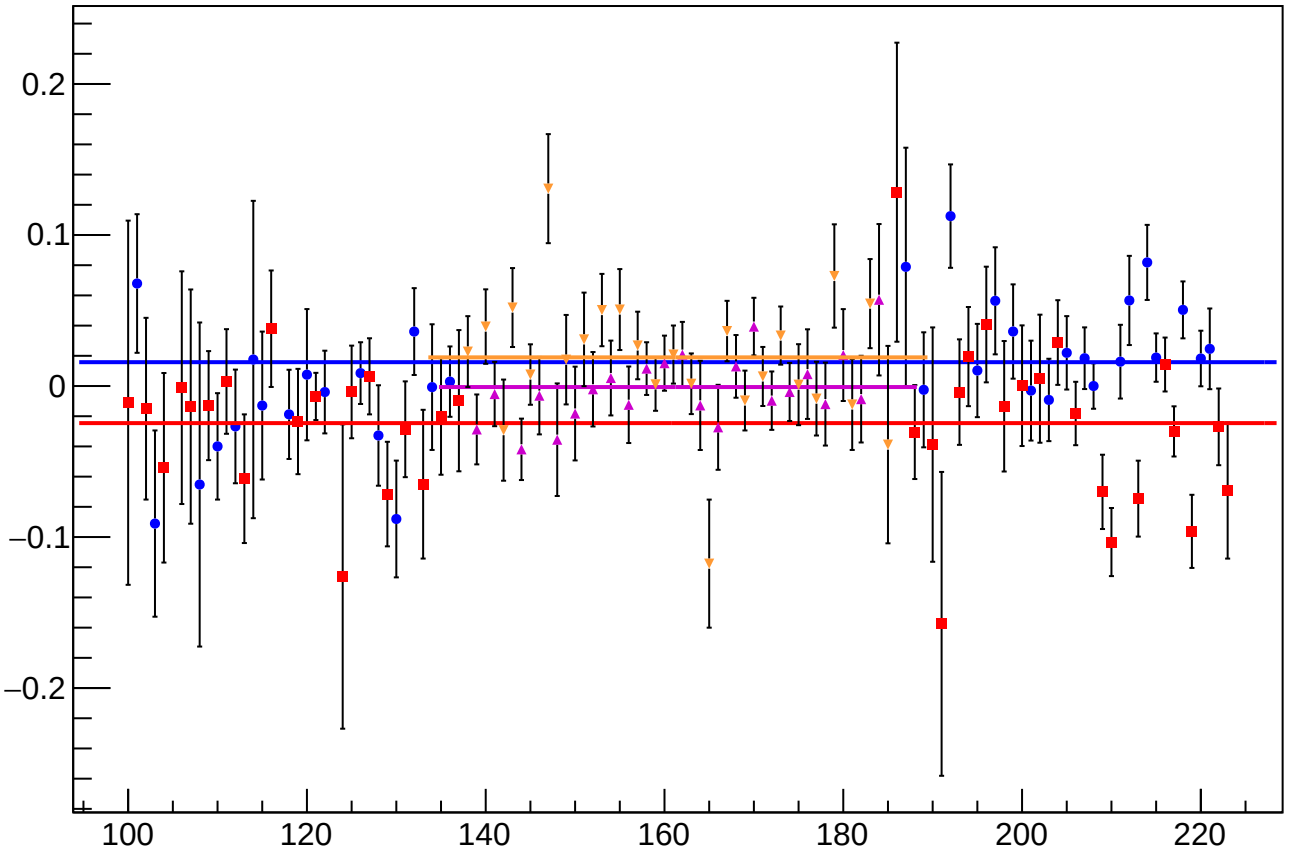
Right: -0.003+/-0.003 χ^2/NDF: 140.3/72

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.002+/-0.003 χ^2/NDF:139.3/63

All: 0.003+/-0.002 χ^2/NDF: 213.7/120


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 20.483+/-0.003 χ²/NDF: 3589005.9/33
Left Out: 20.718+/-0.003 χ²/NDF:1506475.9/24
Right Out: 21.653+/-0.004 χ²/NDF: 5262578.7/38
Left In: 20.429+/-0.003 χ²/NDF:1173995.4/22
Left: 20.575+/-0.002 χ²/NDF: 2683947.4/47
Right: 21.035+/-0.002 χ²/NDF: 8908823.5/72
In: 20.457+/-0.002 χ²/NDF:4763127.2/56
Out: 21.171+/-0.002 χ²/NDF:6804777.4/63
All: 20.806+/-0.002 χ²/NDF: 11610452.8/120



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

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

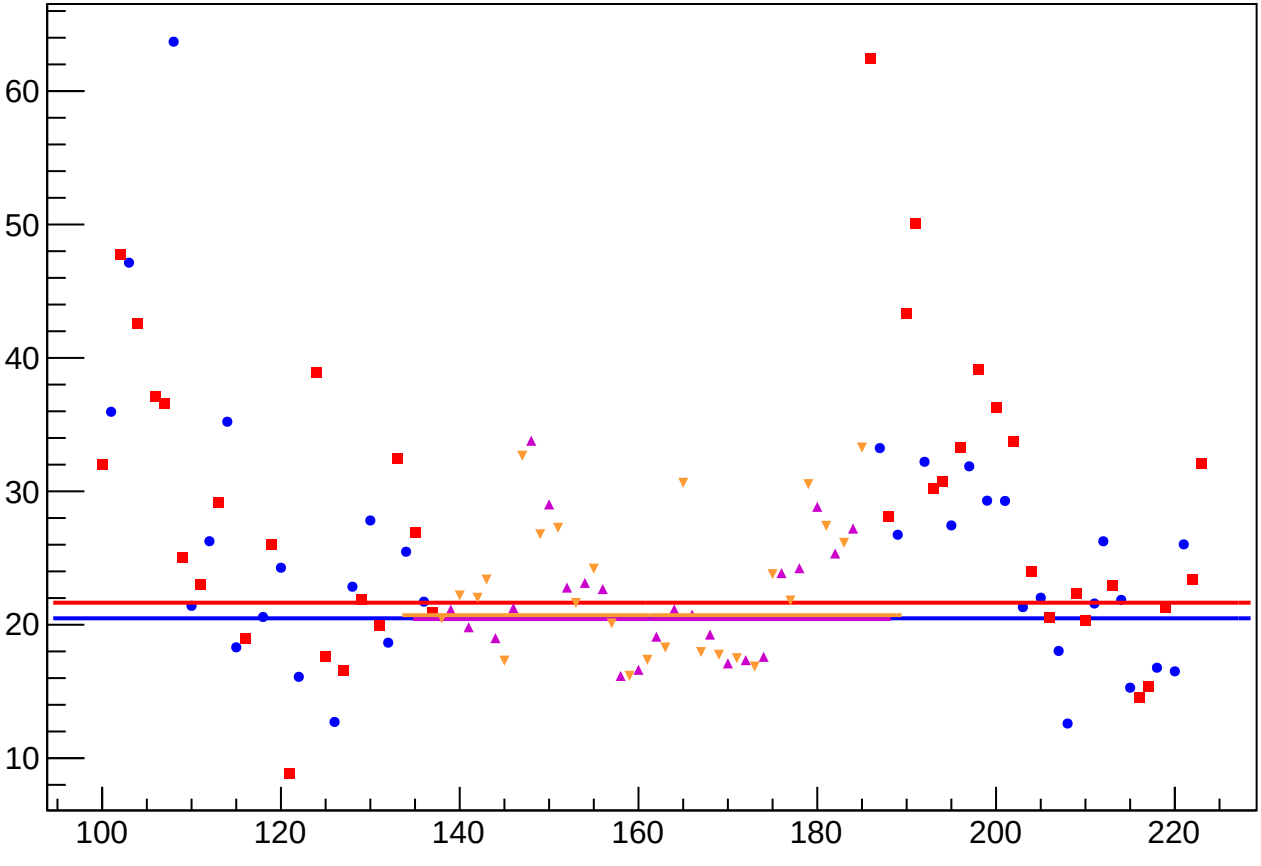
Right: -0.003+/-0.003 χ^2/NDF: 140.3/72

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.002+/-0.003 χ^2/NDF:139.3/63

All: 0.003+/-0.002 χ^2/NDF: 213.7/120

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

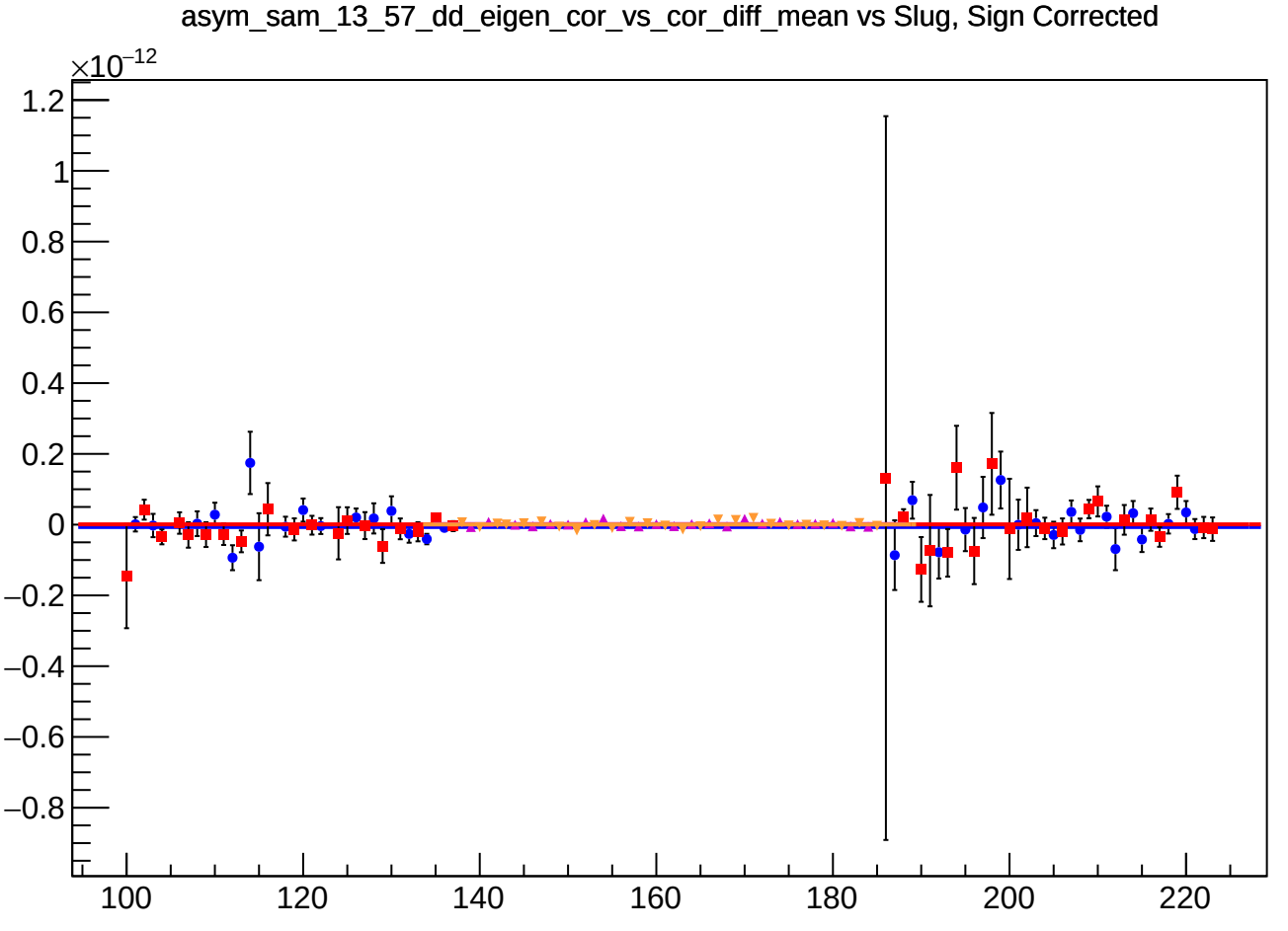
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.035+/-0.002 χ^2/NDF: 8908823.5/72

In: 20.457+/-0.002 χ^2/NDF:4763127.2/56

Out: 21.171+/-0.002 χ^2/NDF:6804777.4/63

All: 20.806+/-0.002 χ^2/NDF: 11610452.8/120



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

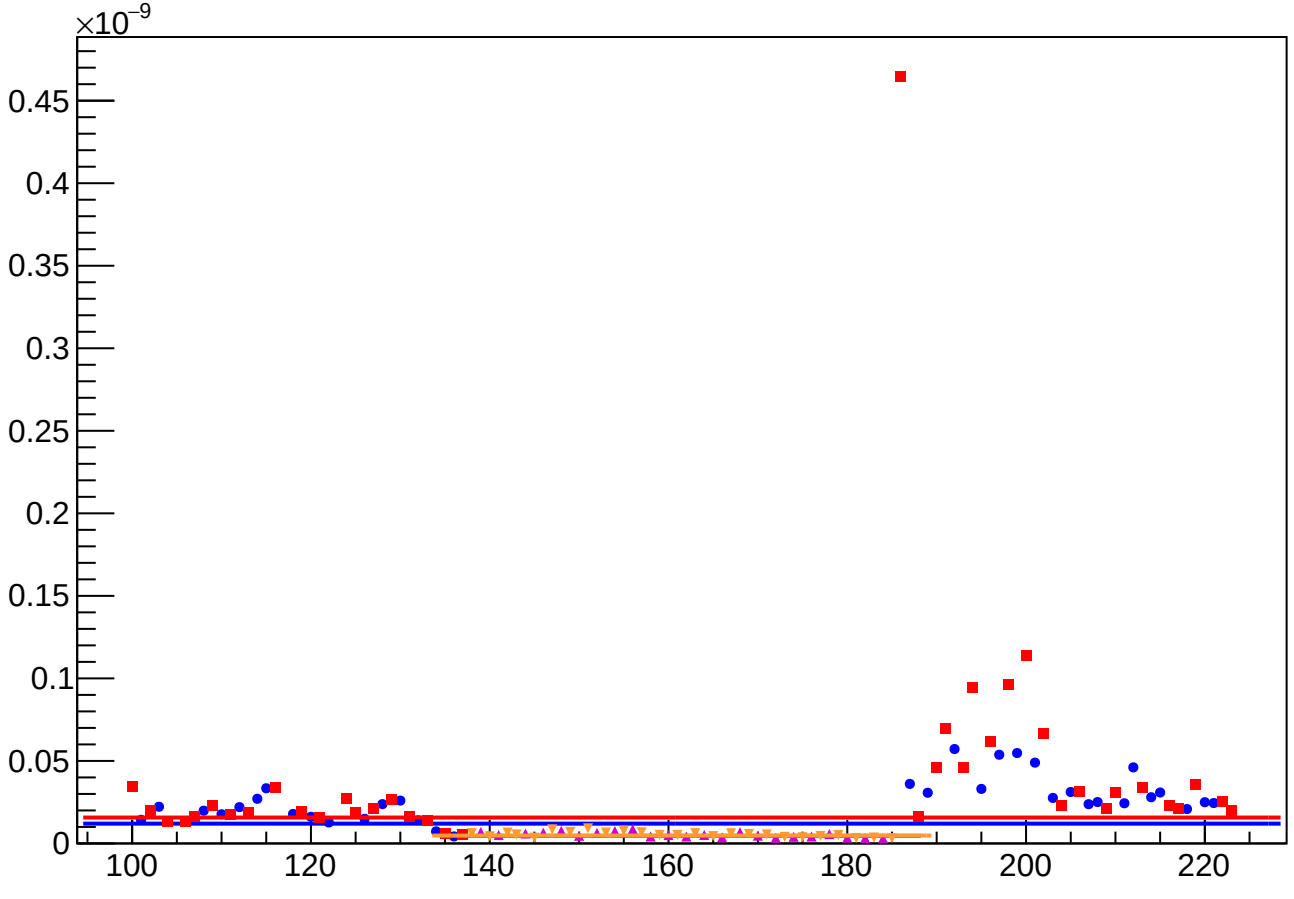
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 76.3/72

In: 0.000+/-0.000 χ^2/NDF:62.3/56

Out: 0.000+/-0.000 χ^2/NDF:66.0/63

All: 0.000+/-0.000 χ^2/NDF: 128.3/120



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

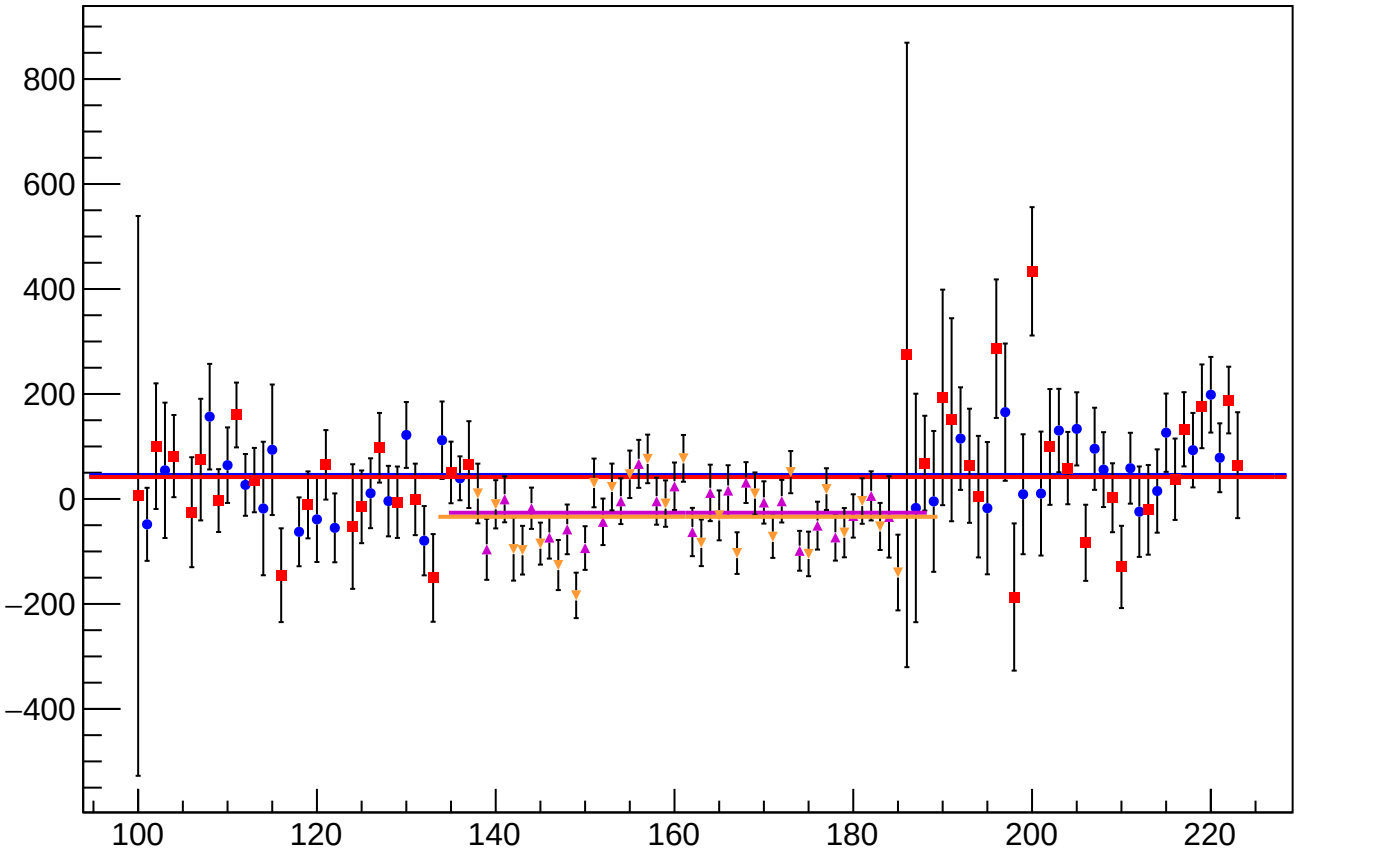
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

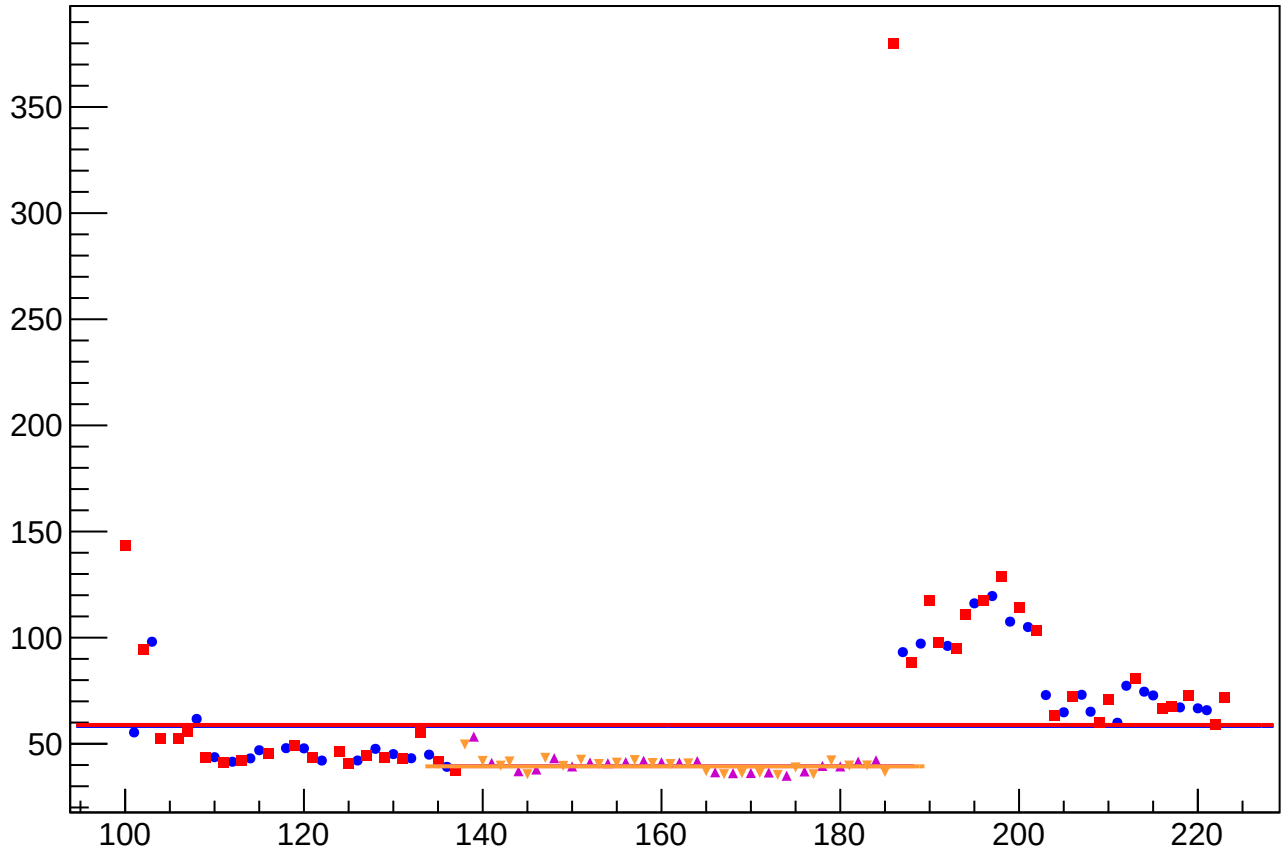
Right: 0.000+/-0.000 χ^2/NDF: 23622855.5/72

In: 0.000+/-0.000 χ^2/NDF:20266360.6/56

Out: 0.000+/-0.000 χ^2/NDF:22161283.7/63

All: 0.000+/-0.000 χ^2/NDF: 42457771.6/120


reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 45.721+/-13.168 χ²/NDF: 28.9/33
Left Out: -33.956+/-8.993 χ²/NDF:58.7/24
Right Out: 41.746+/-13.220 χ²/NDF: 55.2/38
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 43.741+/-9.329 χ²/NDF: 84.1/72
In: -2.406+/-7.581 χ²/NDF:71.3/56
Out: -10.006+/-7.436 χ²/NDF:136.4/63
All: -6.280+/-5.308 χ²/NDF: 208.2/120



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

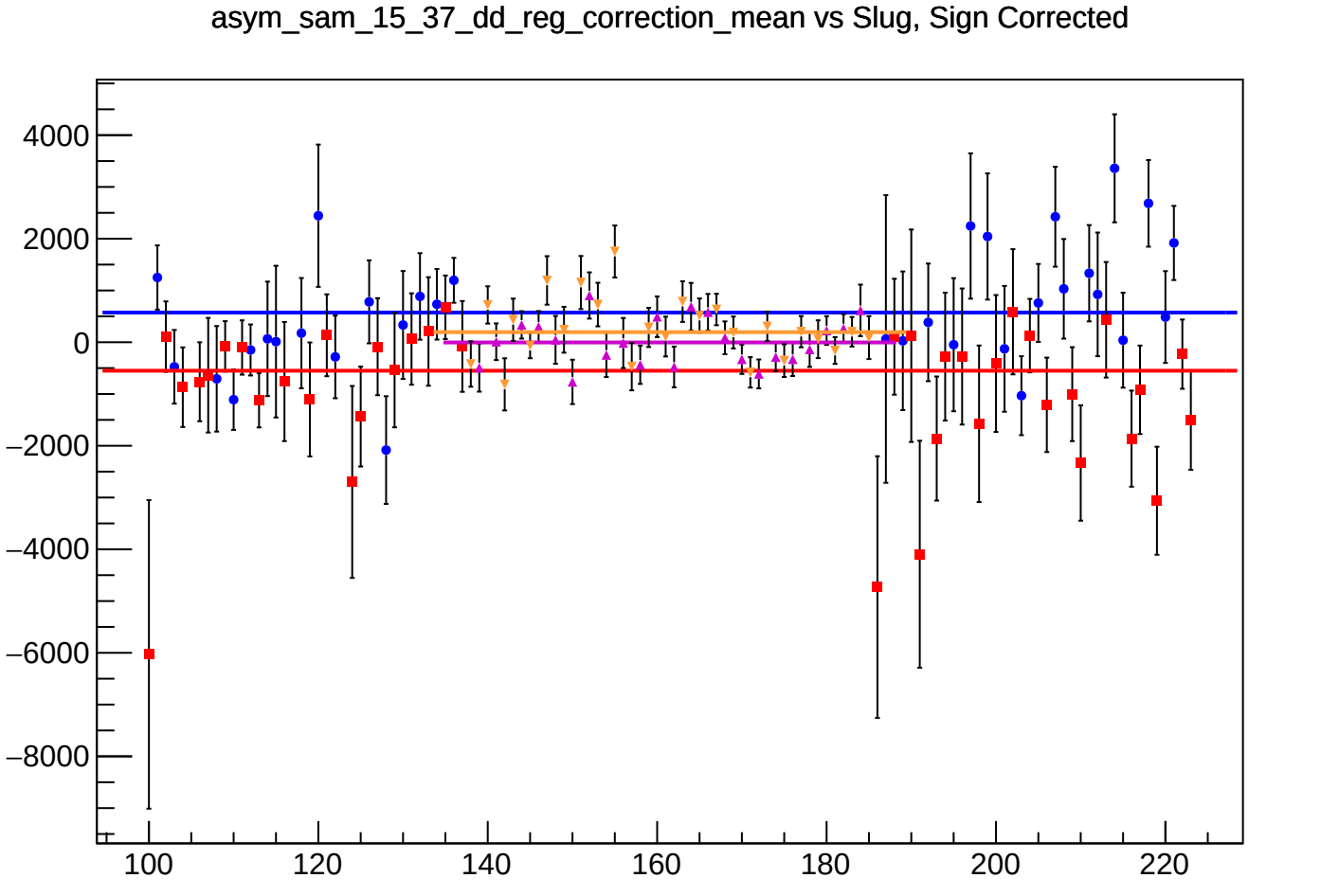
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.649+/-0.007 χ^2/NDF: 9478098.1/72

In: 45.763+/-0.005 χ^2/NDF:7134101.9/56

Out: 45.553+/-0.005 χ^2/NDF:8560674.6/63

All: 45.656+/-0.004 χ^2/NDF: 15695564.6/120



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

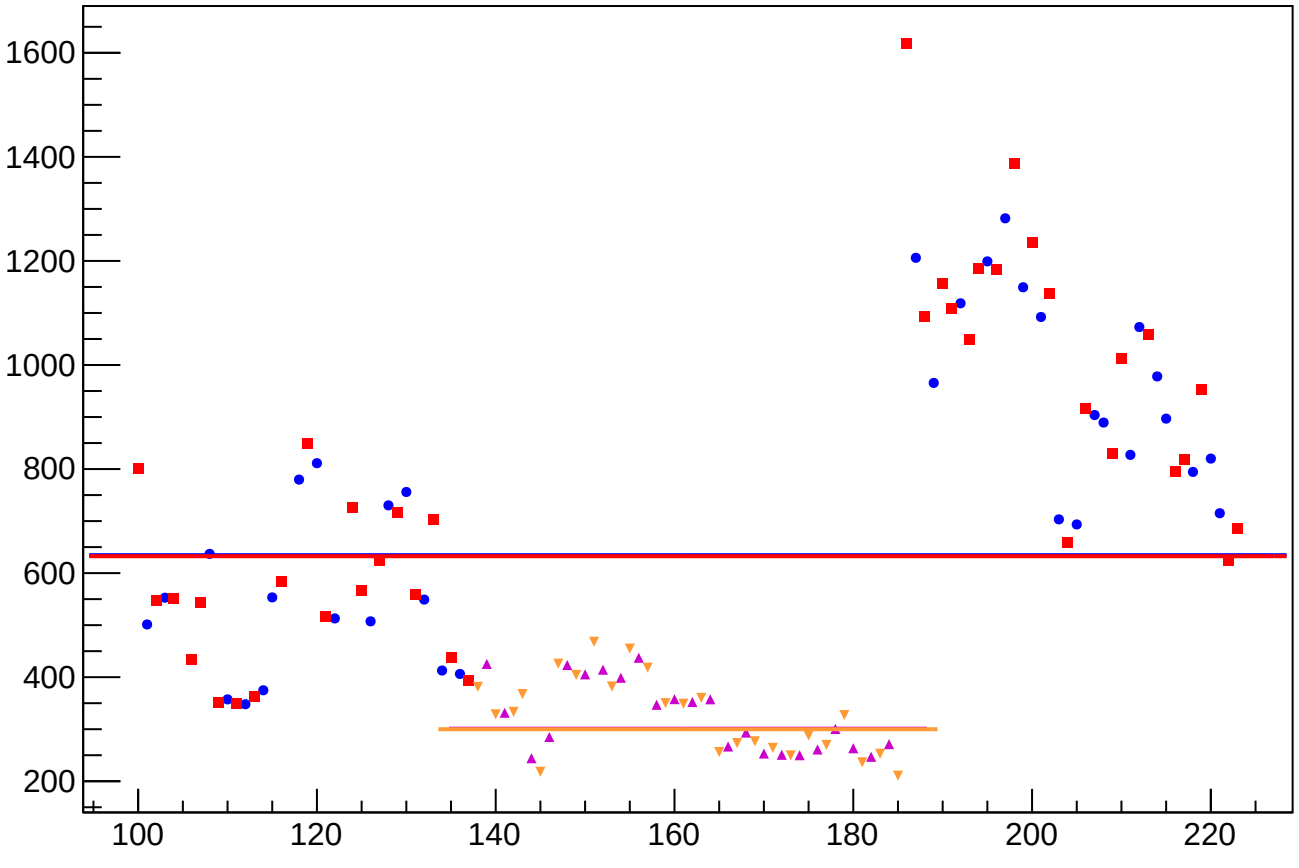
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 5.109+/-102.188 χ^2/NDF: 127.0/72

In: 109.716+/-64.505 χ^2/NDF:103.0/56

Out: 51.762+/-62.997 χ^2/NDF:109.2/63

All: 80.053+/-45.069 χ^2/NDF: 212.6/120



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

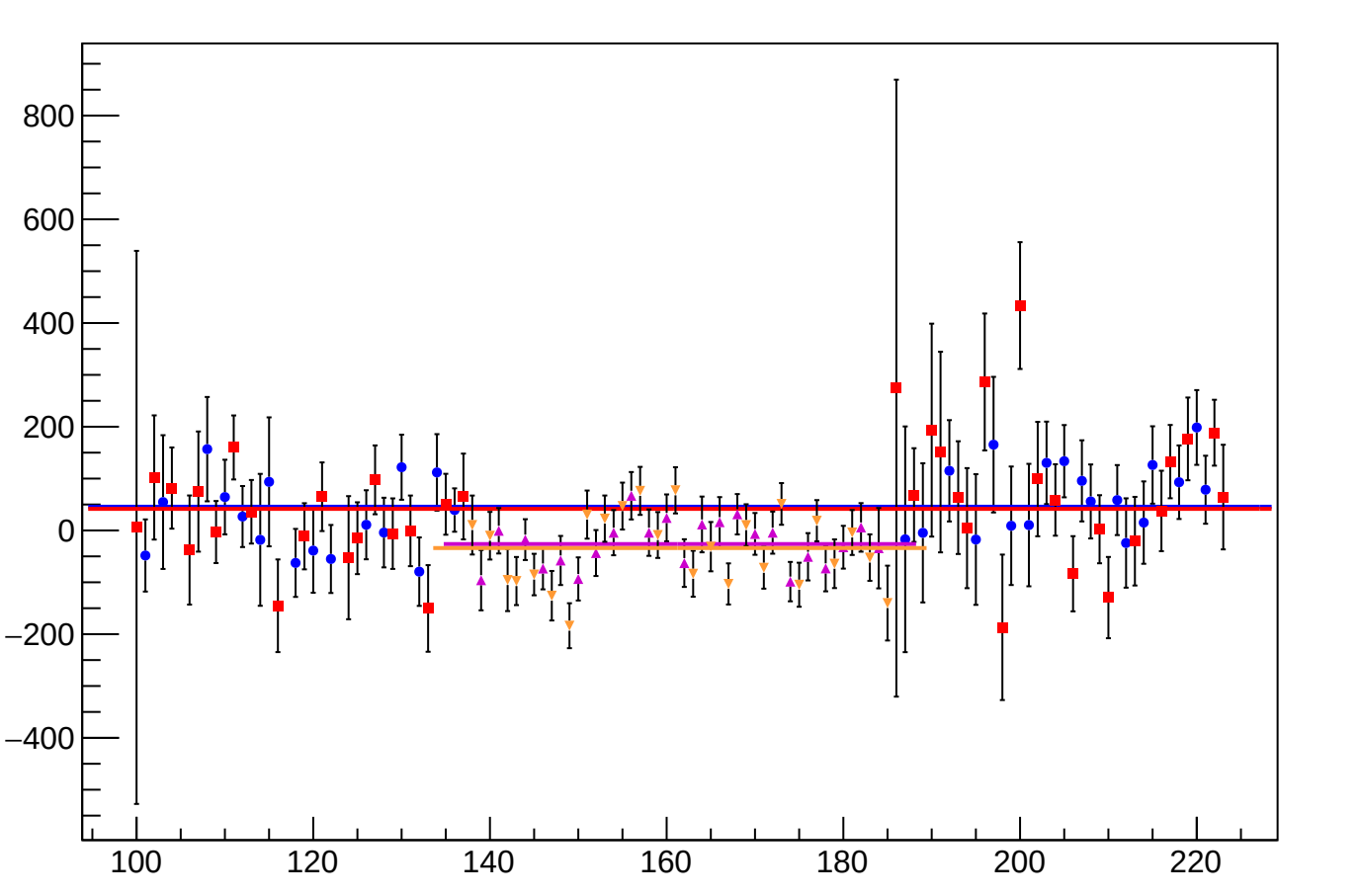
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

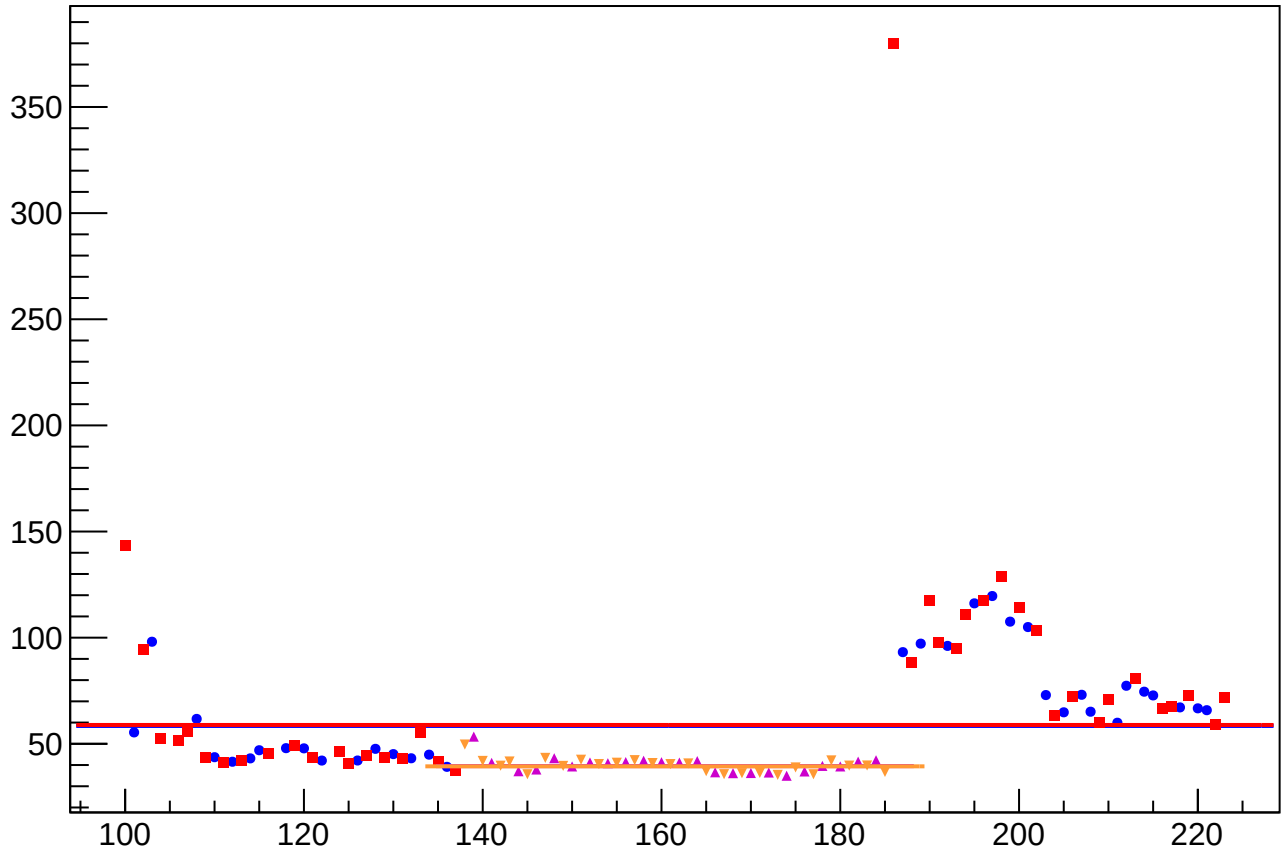
Right: 633.464+/-0.072 χ^2/NDF: 12423114.5/72

In: 366.668+/-0.046 χ^2/NDF:15487773.7/56

Out: 363.891+/-0.045 χ^2/NDF:17255131.9/63

All: 365.247+/-0.032 χ^2/NDF: 32744802.7/12


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 45.725+/-13.168 χ²/NDF: 28.9/33
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 41.576+/-13.221 χ²/NDF: 55.4/38
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 43.659+/-9.330 χ²/NDF: 84.3/72
In: -2.405+/-7.581 χ²/NDF:71.3/56
Out: -10.062+/-7.436 χ²/NDF:136.4/63
All: -6.307+/-5.309 χ²/NDF: 208.3/120



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

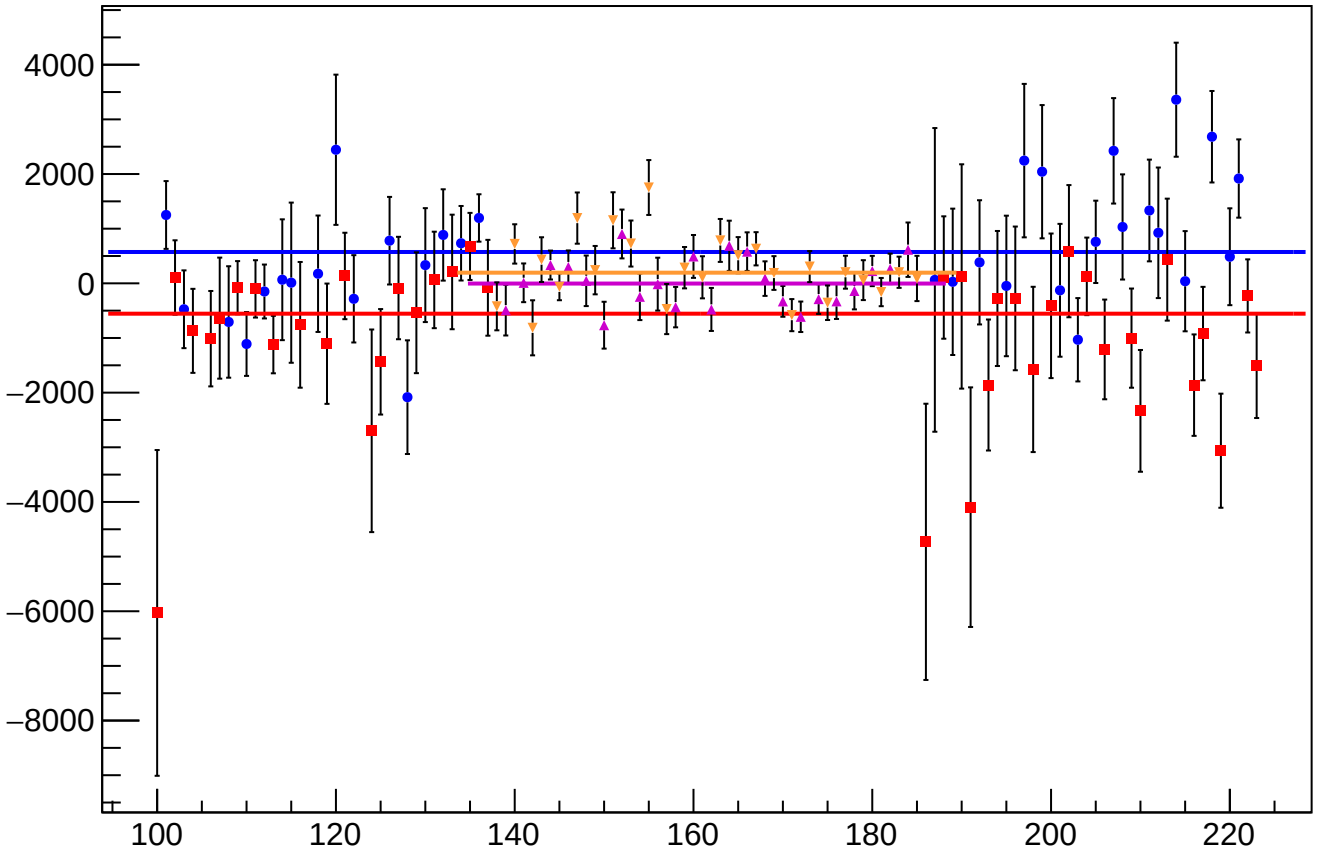
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.643+/-0.007 χ^2/NDF: 9480198.4/72

In: 45.763+/-0.005 χ^2/NDF:7134104.9/56

Out: 45.548+/-0.005 χ^2/NDF:8558897.1/63

All: 45.654+/-0.004 χ^2/NDF: 15693823.3/120



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

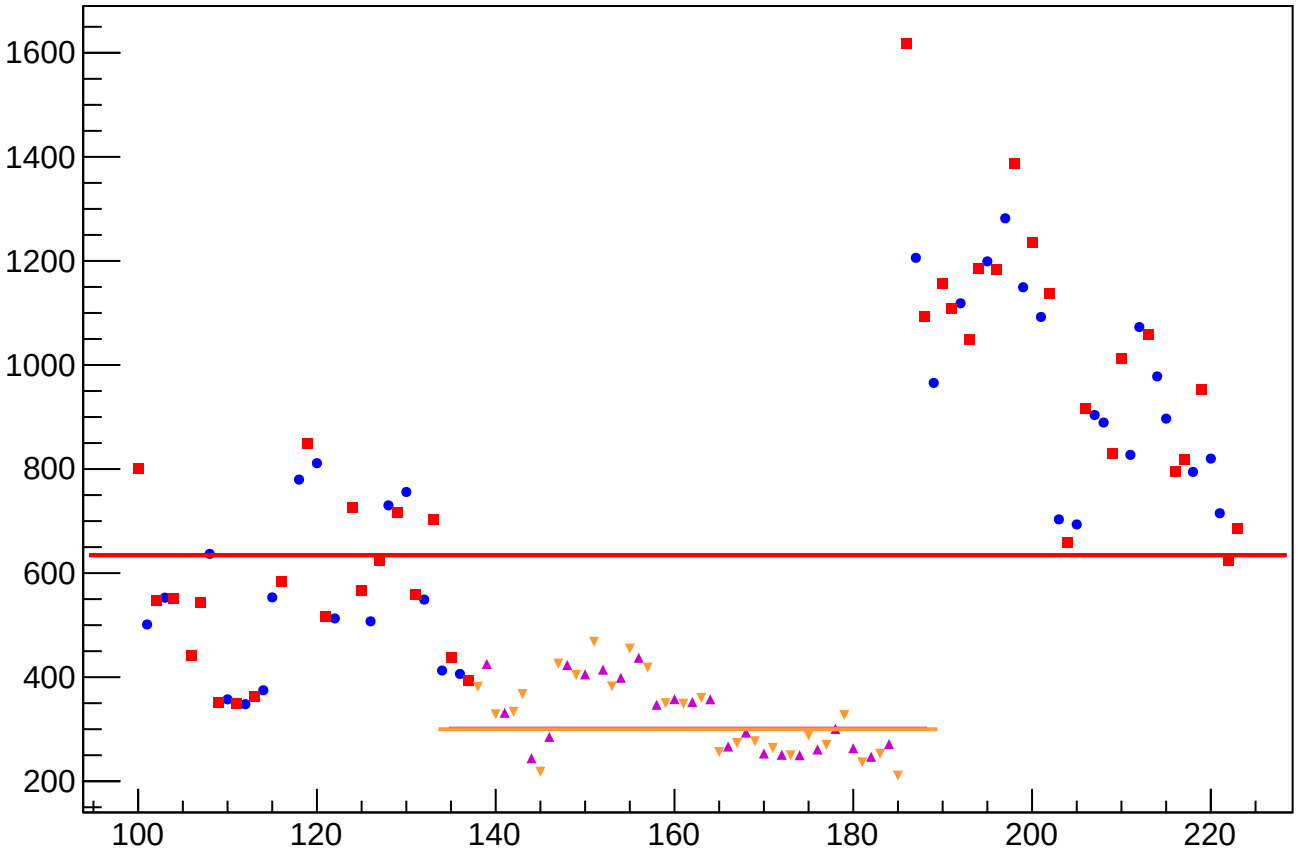
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 4.879+/-102.408 χ^2/NDF: 127.4/72

In: 109.716+/-64.505 χ^2/NDF:103.0/56

Out: 51.750+/-63.048 χ^2/NDF:109.5/63

All: 80.071+/-45.088 χ^2/NDF: 213.0/120



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

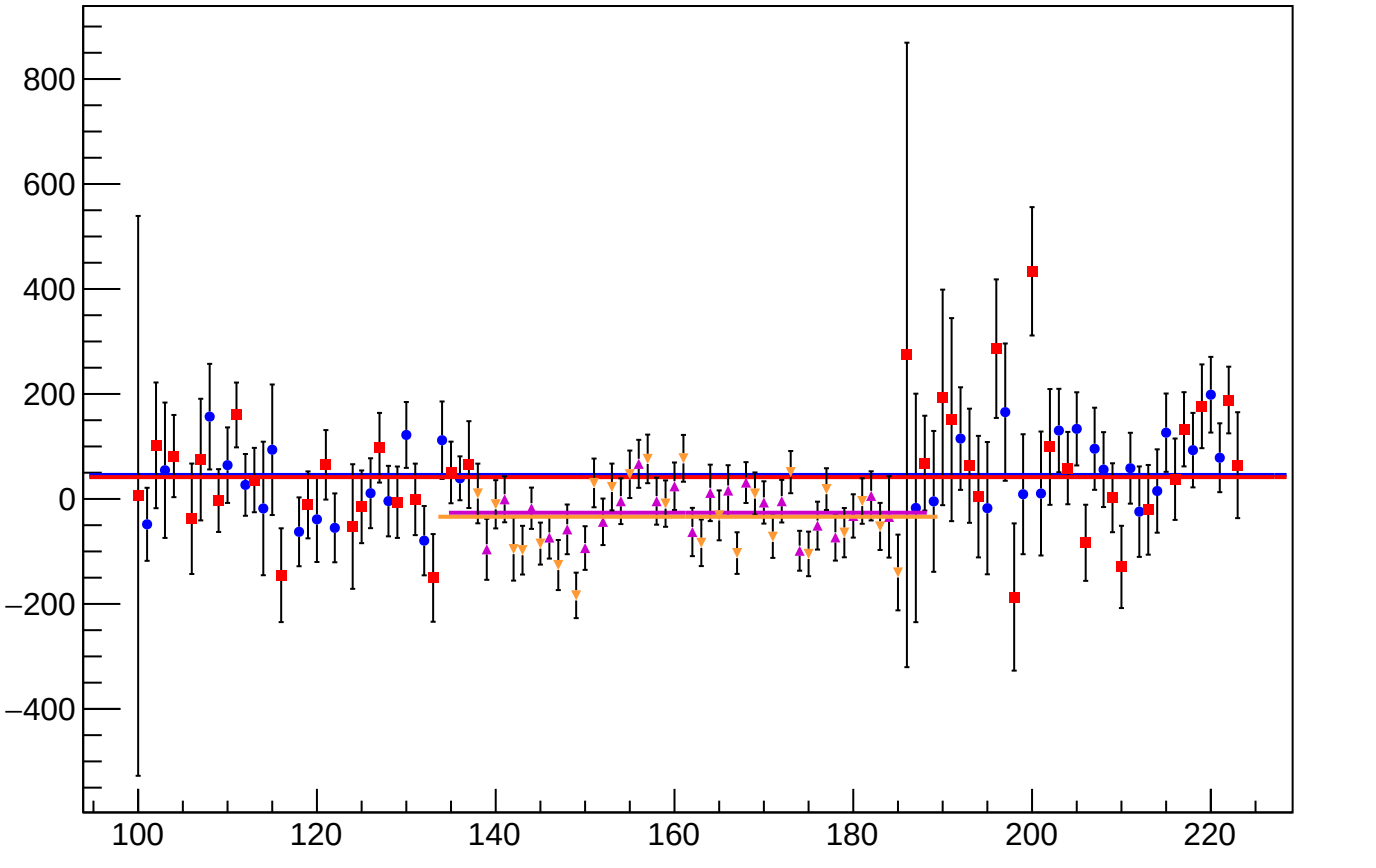
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

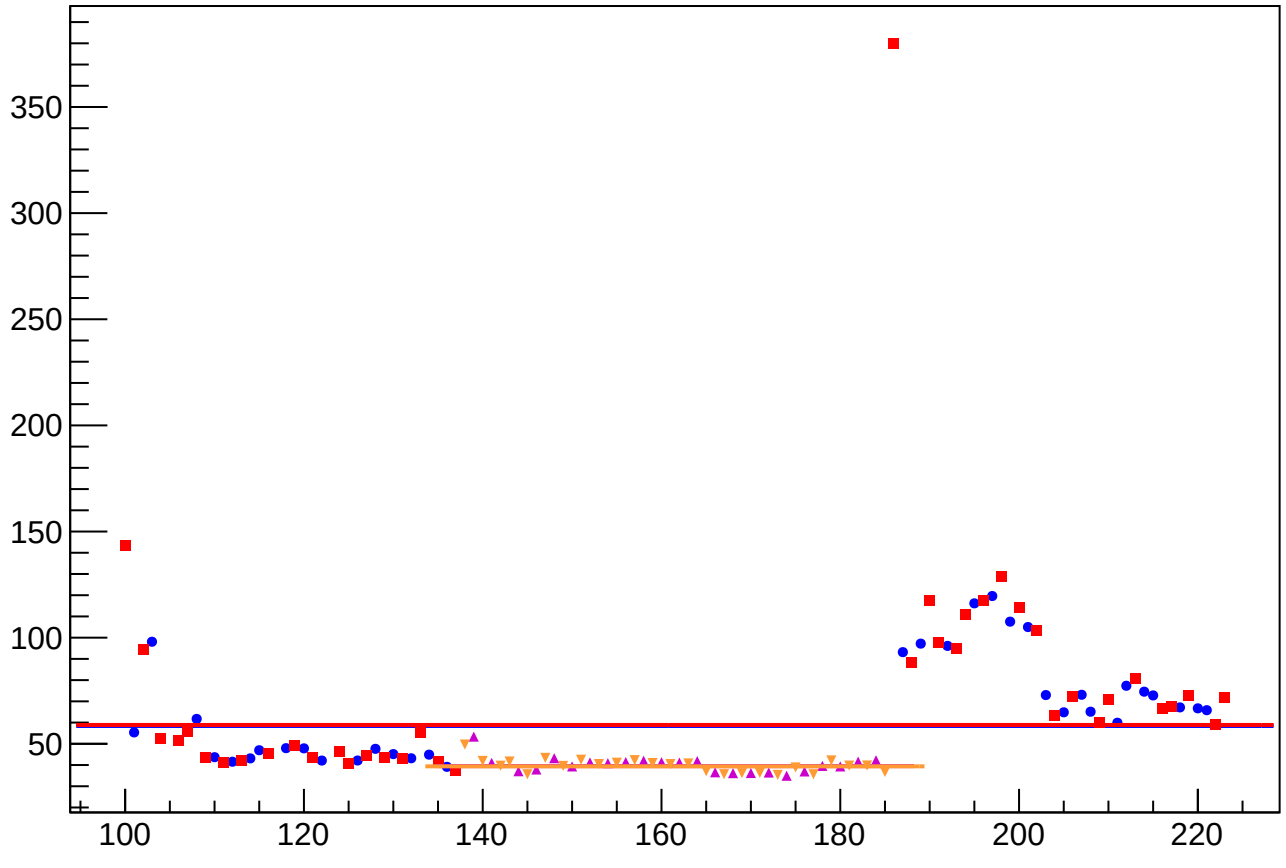
Right: 634.427+/-0.072 χ^2/NDF: 12382763.5/72

In: 366.668+/-0.046 χ^2/NDF:15487836.3/56

Out: 363.817+/-0.045 χ^2/NDF:17254355.2/63

All: 365.210+/-0.032 χ^2/NDF: 32744189.9/12


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 45.725+/-13.168 χ²/NDF: 28.9/33
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 41.576+/-13.221 χ²/NDF: 55.4/38
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 43.659+/-9.330 χ²/NDF: 84.3/72
In: -2.405+/-7.581 χ²/NDF:71.3/56
Out: -10.062+/-7.436 χ²/NDF:136.4/63
All: -6.307+/-5.309 χ²/NDF: 208.3/120



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

Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

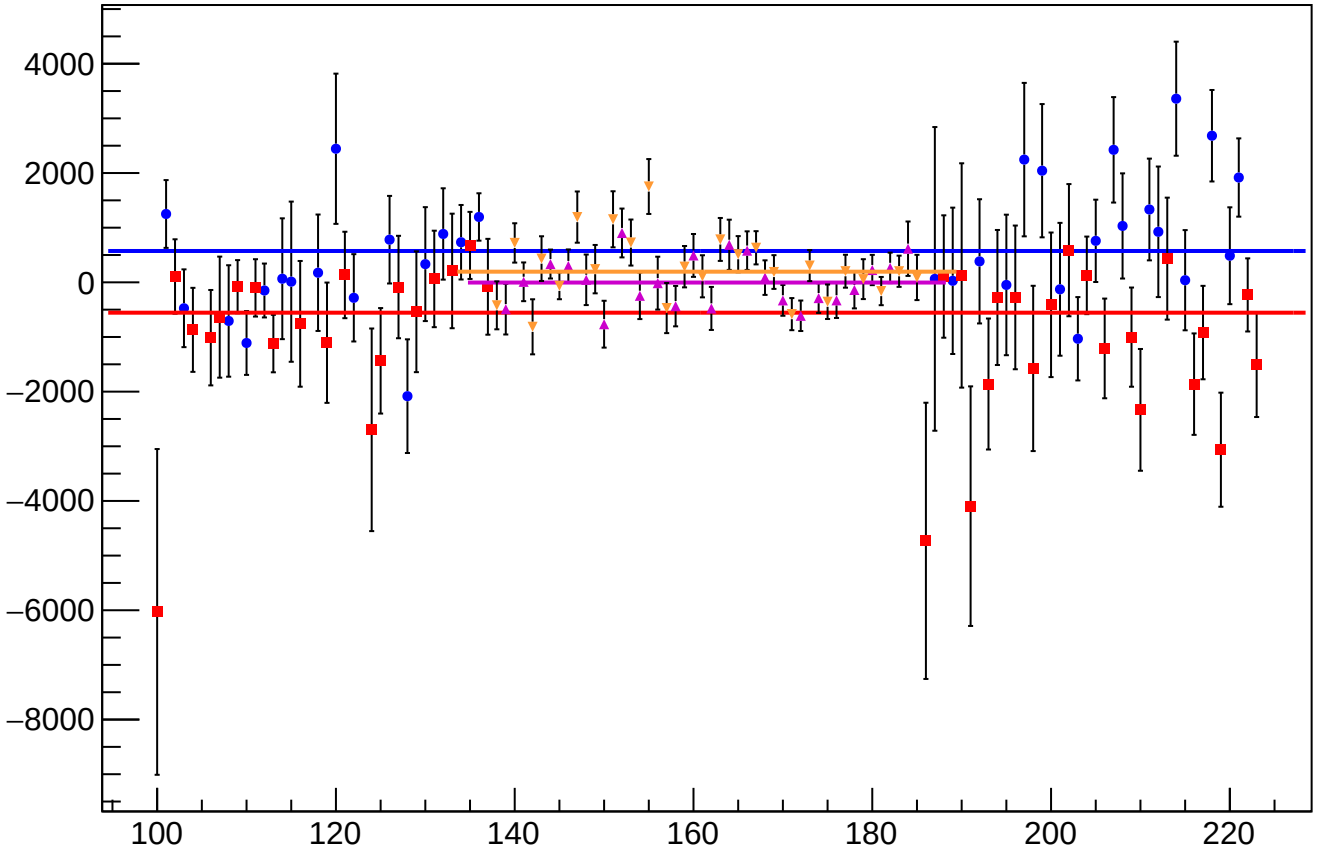
Right: 58.643+/-0.007 χ^2/NDF: 9480198.4/72

In: 45.763+/-0.005 χ^2/NDF:7134104.9/56

Out: 45.548+/-0.005 χ^2/NDF:8558897.1/63

All: 45.654+/-0.004 χ^2/NDF: 15693823.3/120

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

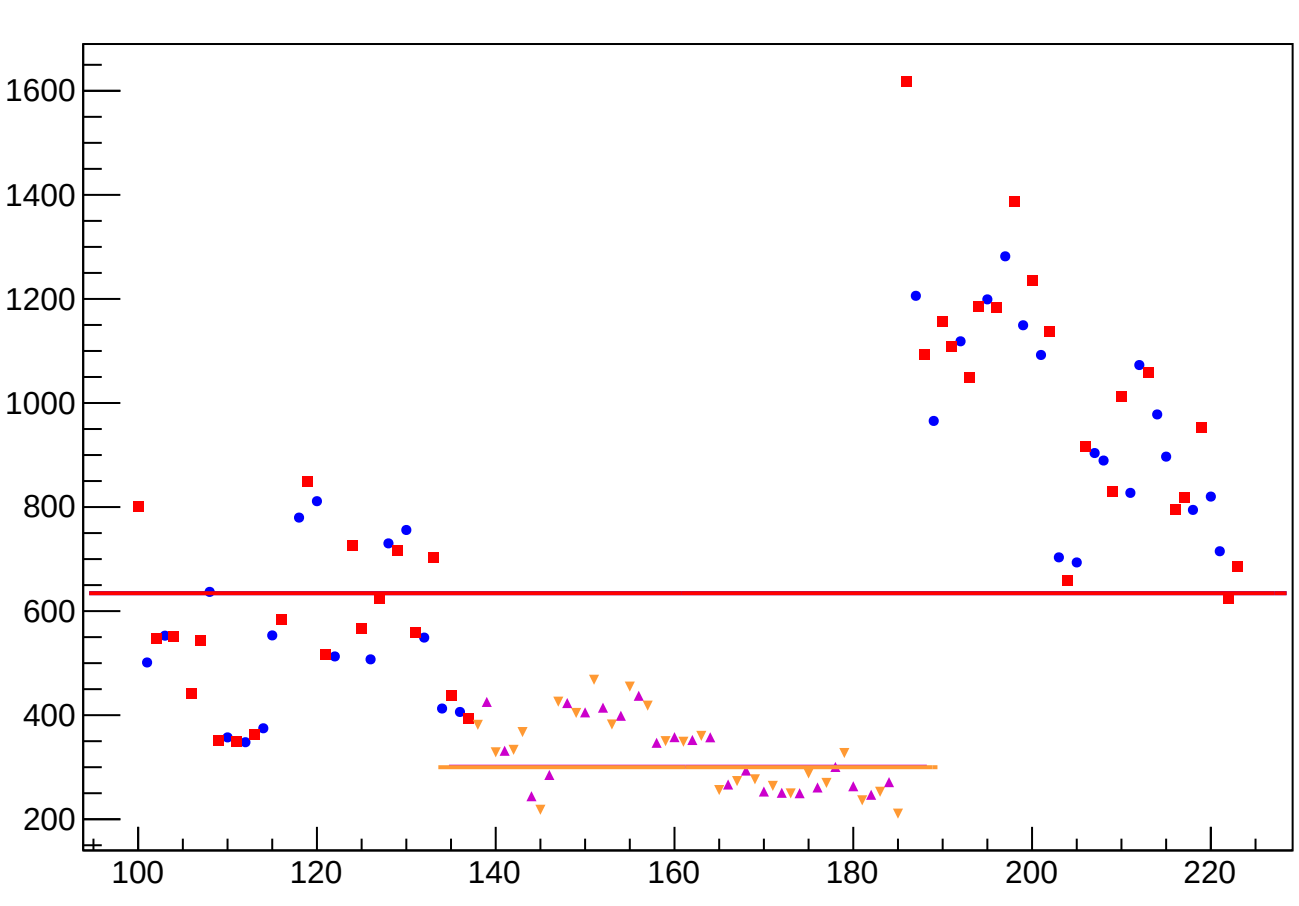
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 4.879+/-102.408 χ^2/NDF: 127.4/72

In: 109.716+/-64.505 χ^2/NDF:103.0/56

Out: 51.750+/-63.048 χ^2/NDF:109.5/63

All: 80.071+/-45.088 χ^2/NDF: 213.0/120



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

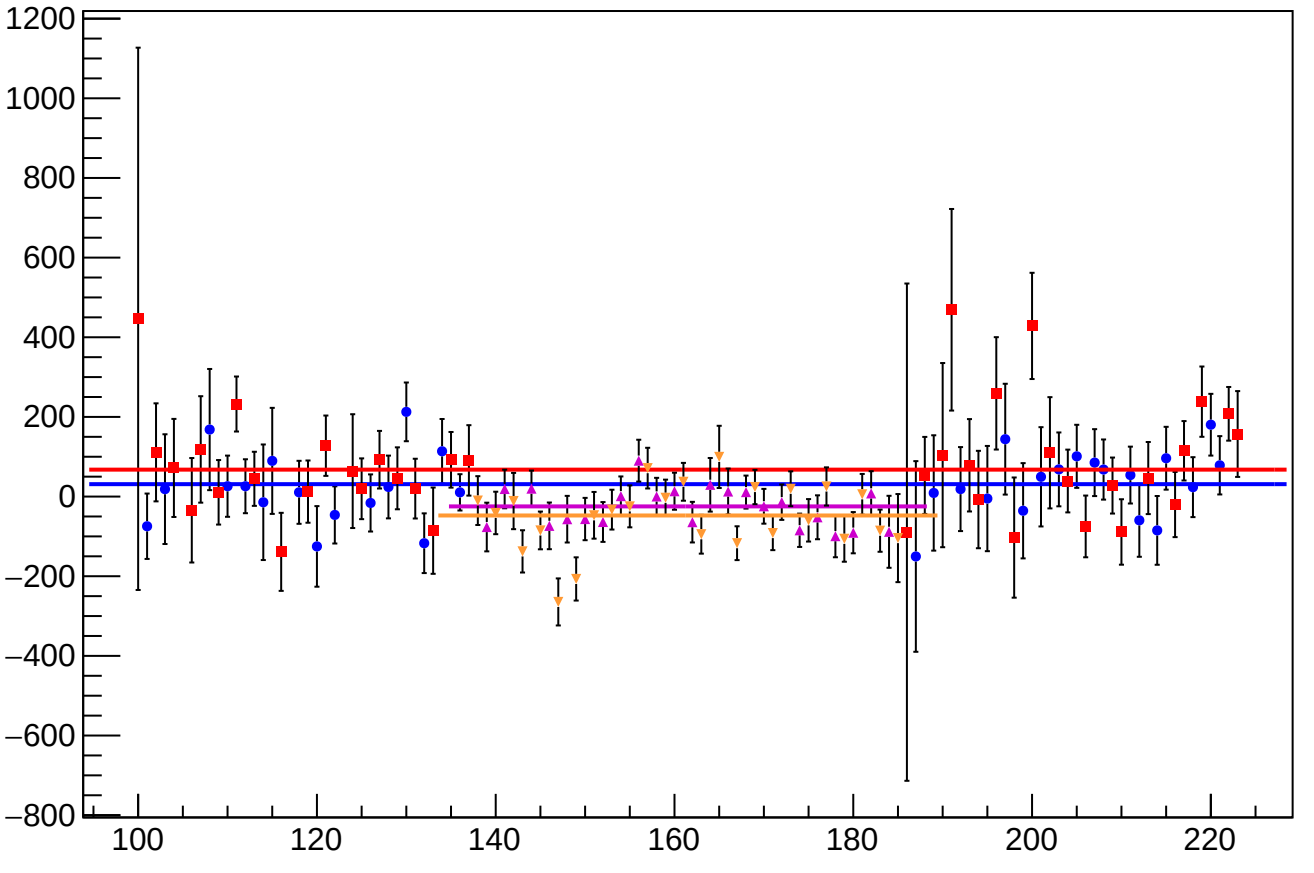
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 634.427+/-0.072 χ^2/NDF: 12382763.5/72

In: 366.668+/-0.046 χ^2/NDF:15487836.3/56

Out: 363.817+/-0.045 χ^2/NDF:17254355.2/63

All: 365.210+/-0.032 χ^2/NDF: 32744189.9/12



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

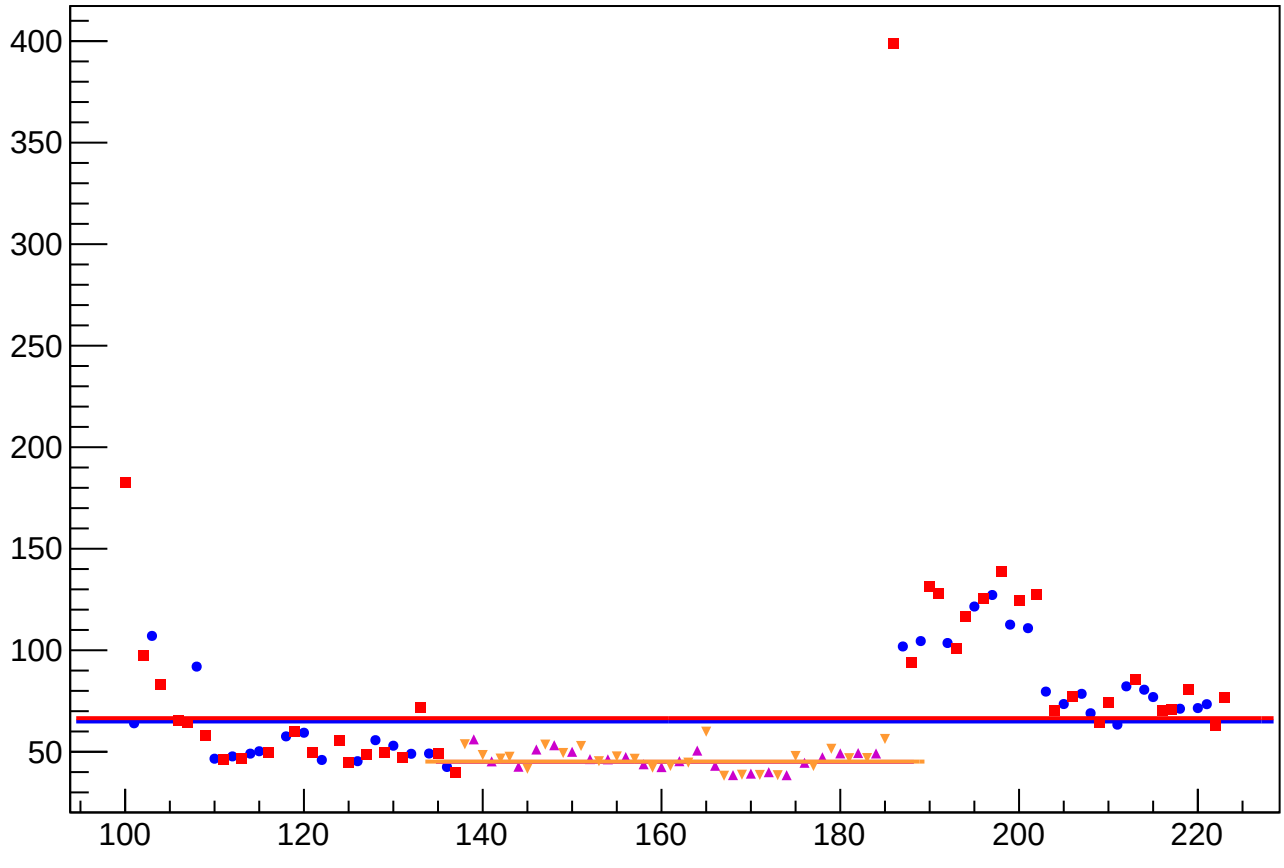
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 49.049+/-10.447 χ^2/NDF: 79.7/72

In: -5.326+/-8.616 χ^2/NDF:58.2/56

Out: -9.870+/-8.527 χ^2/NDF:142.4/63

All: -7.621+/-6.061 χ^2/NDF: 200.8/120



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

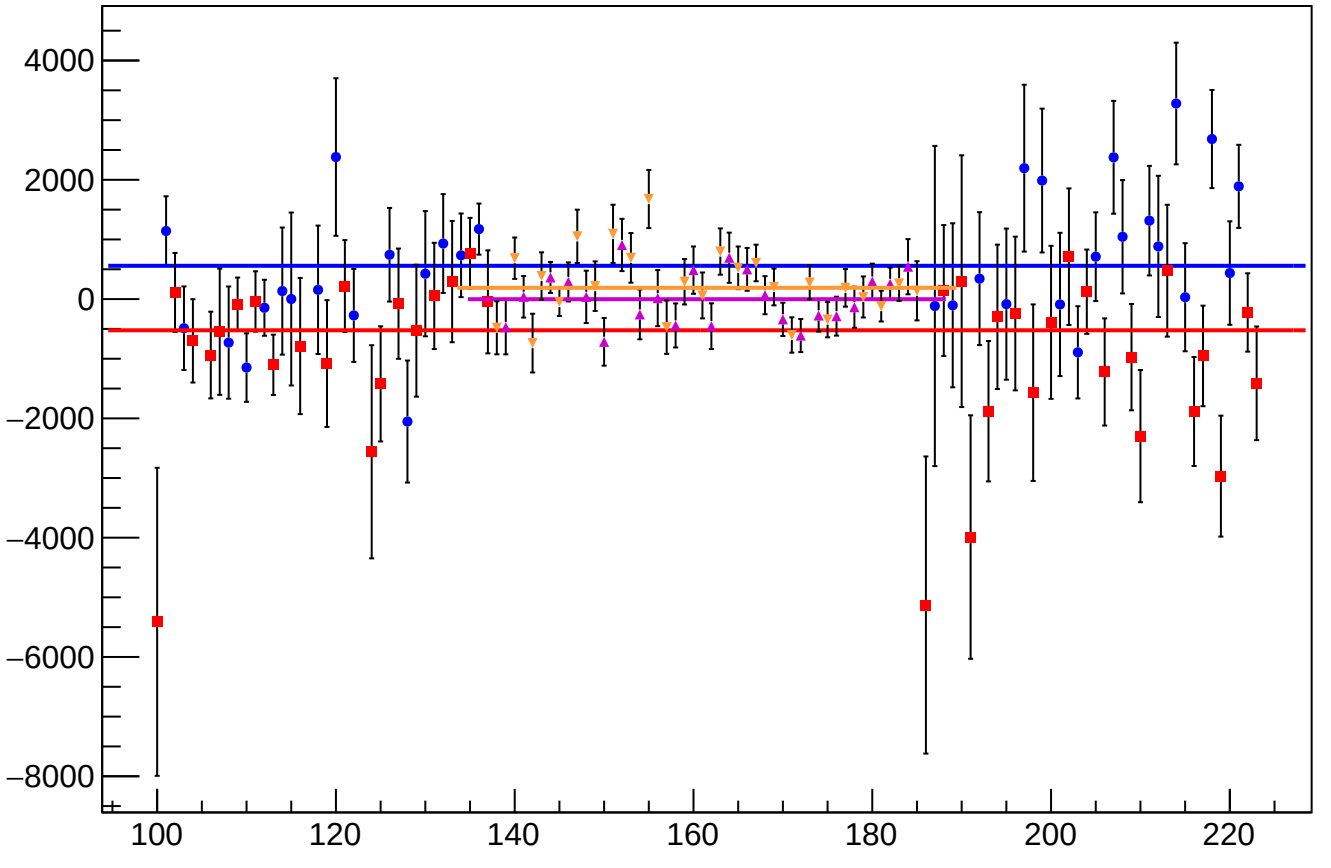
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 65.725+/-0.007 χ^2/NDF: 8709368.6/72

In: 51.919+/-0.006 χ^2/NDF:6569064.9/56

Out: 52.159+/-0.006 χ^2/NDF:8174549.2/63

All: 52.041+/-0.004 χ^2/NDF: 14744397.1/120



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

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

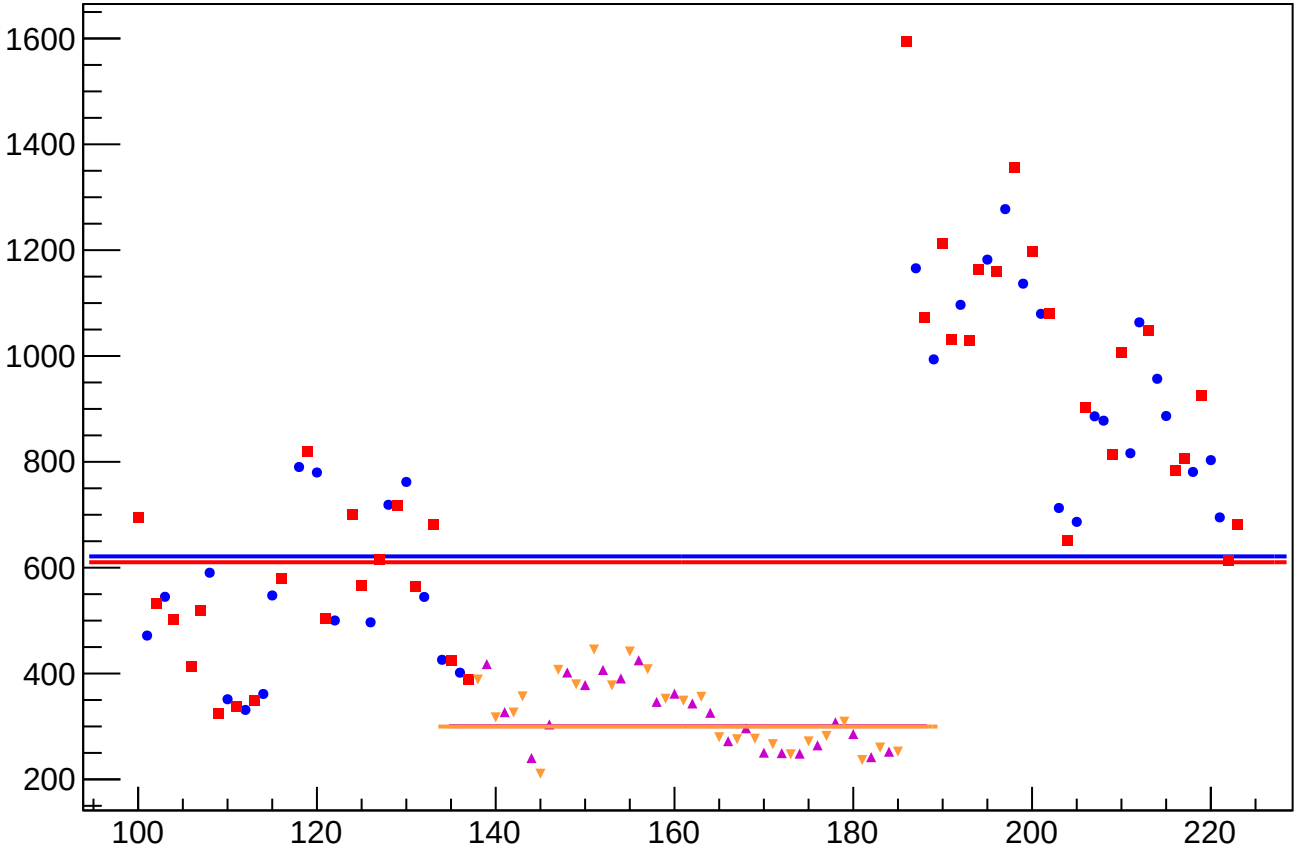
Right: 4.802+/-99.602 χ^2/NDF: 129.9/72

In: 111.401+/-64.063 χ^2/NDF:102.9/56

Out: 46.118+/-62.335 χ^2/NDF:109.8/63

All: 77.867+/-44.676 χ^2/NDF: 213.2/120

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



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

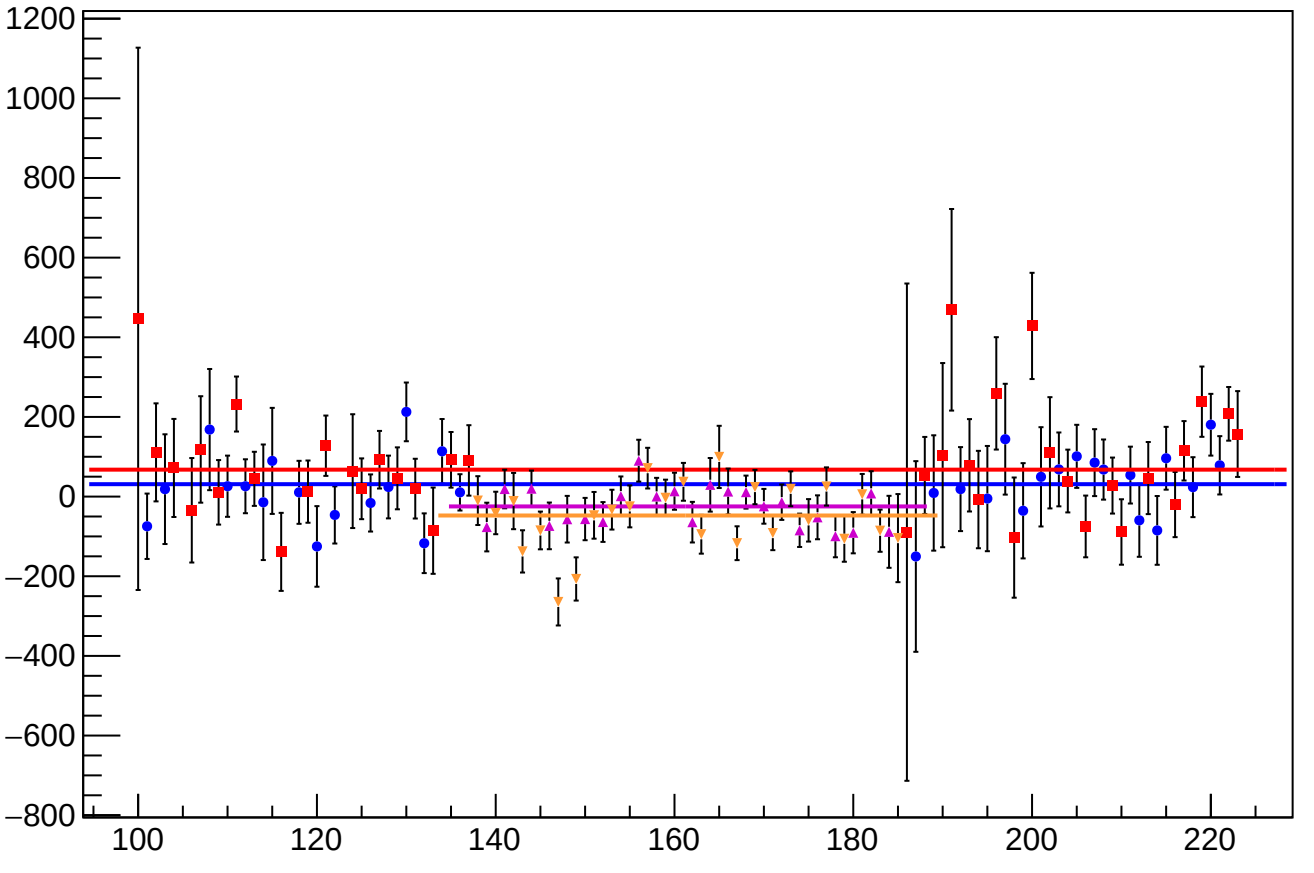
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 615.683+/-0.070 χ^2/NDF: 12938666.8/72

In: 365.331+/-0.045 χ^2/NDF:15131211.0/56

Out: 362.042+/-0.044 χ^2/NDF:16673946.9/63

All: 363.642+/-0.032 χ^2/NDF: 31807865.8/12



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

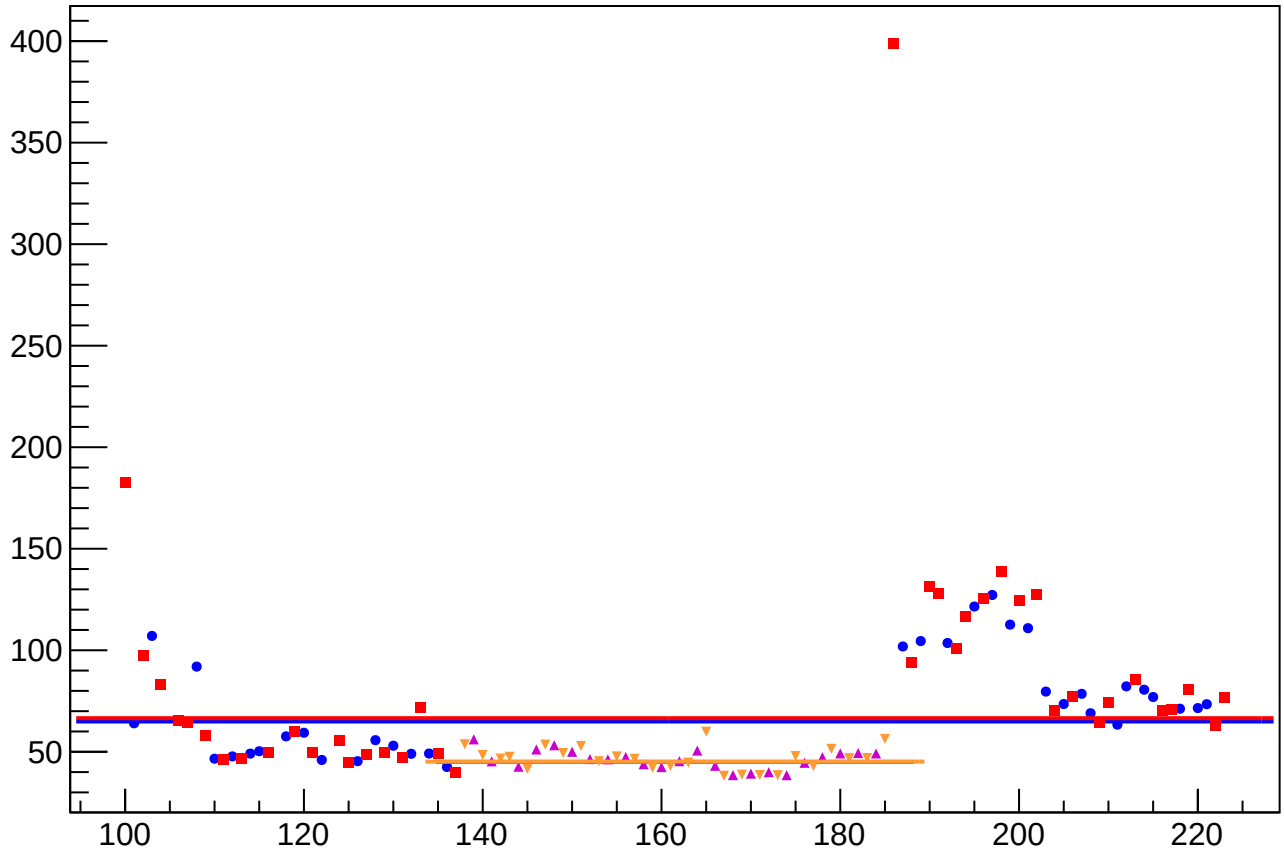
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 49.050+/-10.447 χ^2/NDF: 79.7/72

In: -5.326+/-8.616 χ^2/NDF:58.2/56

Out: -9.870+/-8.527 χ^2/NDF:142.4/63

All: -7.622+/-6.061 χ^2/NDF: 200.8/120



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

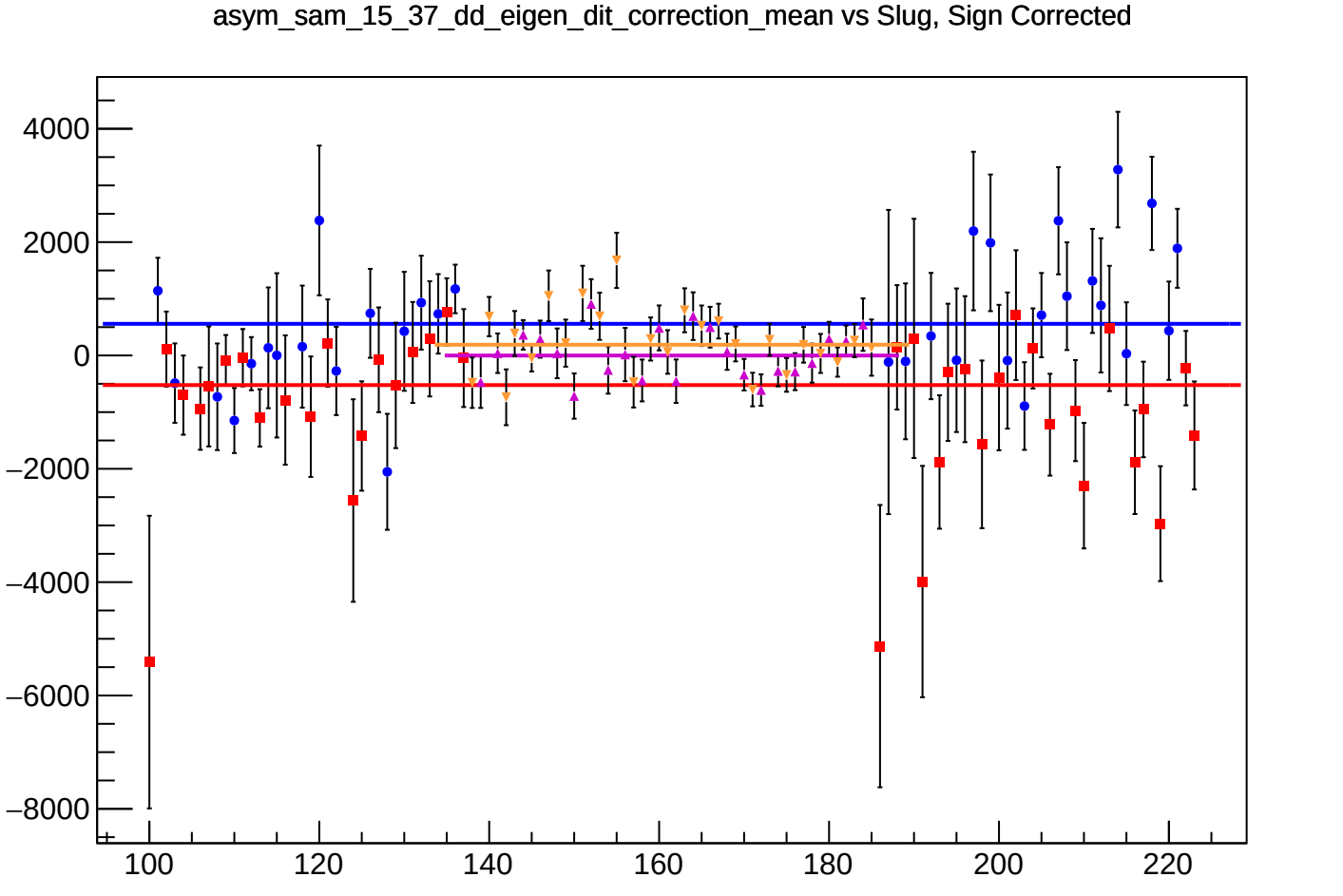
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 65.725+/-0.007 χ^2/NDF: 8709371.6/72

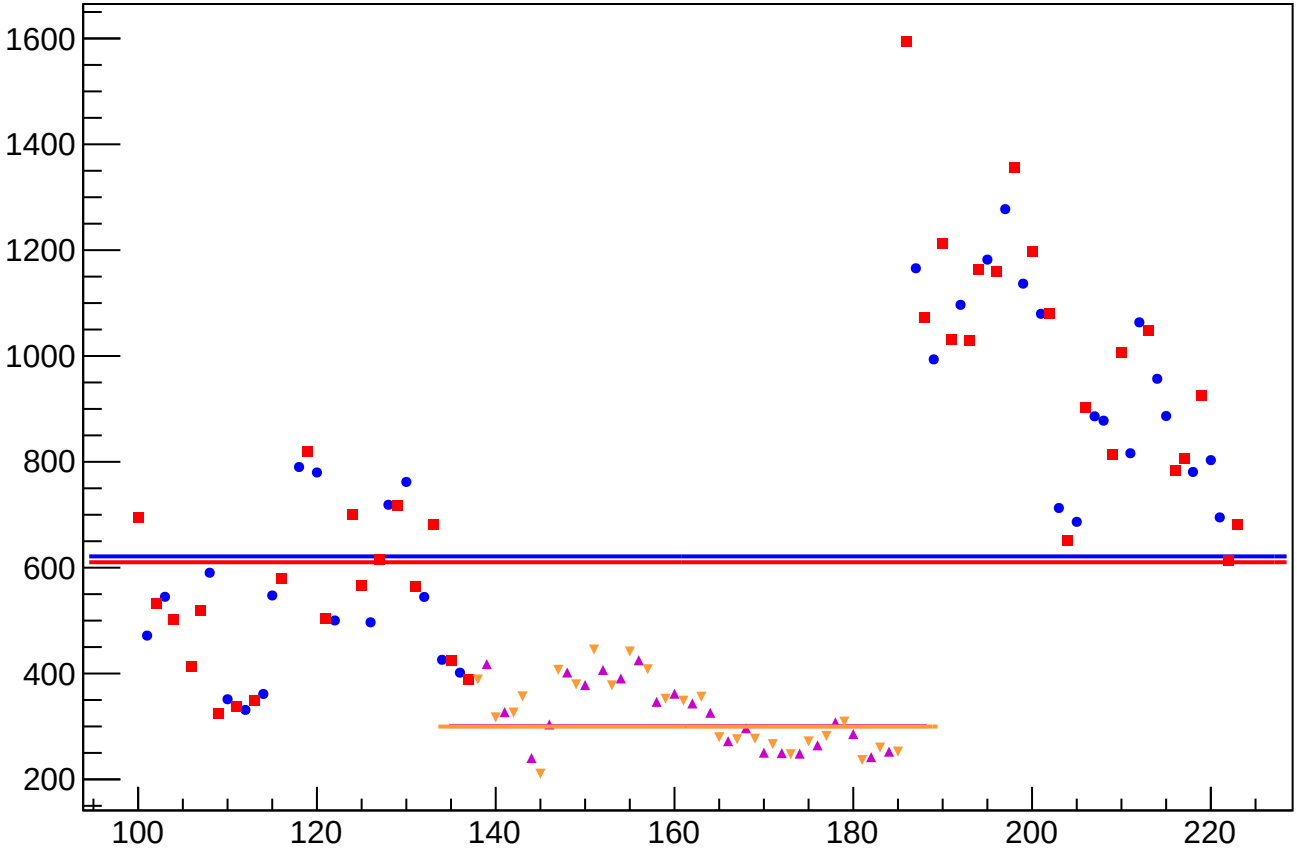
In: 51.919+/-0.006 χ^2/NDF:6569052.8/56

Out: 52.159+/-0.006 χ^2/NDF:8174553.6/63

All: 52.041+/-0.004 χ^2/NDF: 14744389.3/120


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
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
Left: 96.270+/-49.987 χ²/NDF: 82.6/47
Right: 4.801+/-99.602 χ²/NDF: 129.9/72
In: 111.401+/-64.063 χ²/NDF:102.9/56
Out: 46.117+/-62.335 χ²/NDF:109.8/63
All: 77.867+/-44.676 χ²/NDF: 213.2/120

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

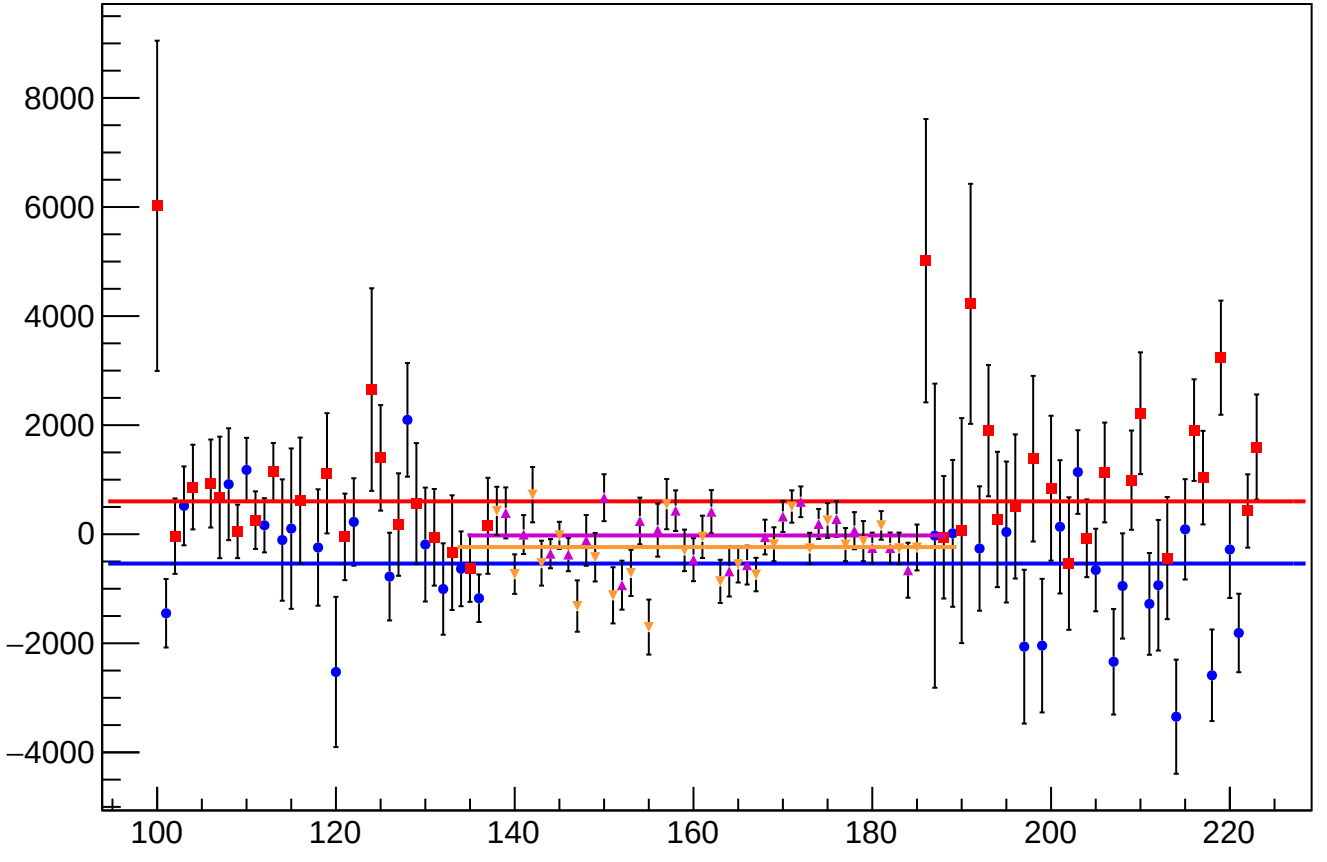
Right: 615.682+/-0.070 χ^2/NDF: 12938709.4/72

In: 365.332+/-0.045 χ^2/NDF:15131181.9/56

Out: 362.043+/-0.044 χ^2/NDF:16673927.3/63

All: 363.642+/-0.032 χ^2/NDF: 31807817.3/12

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

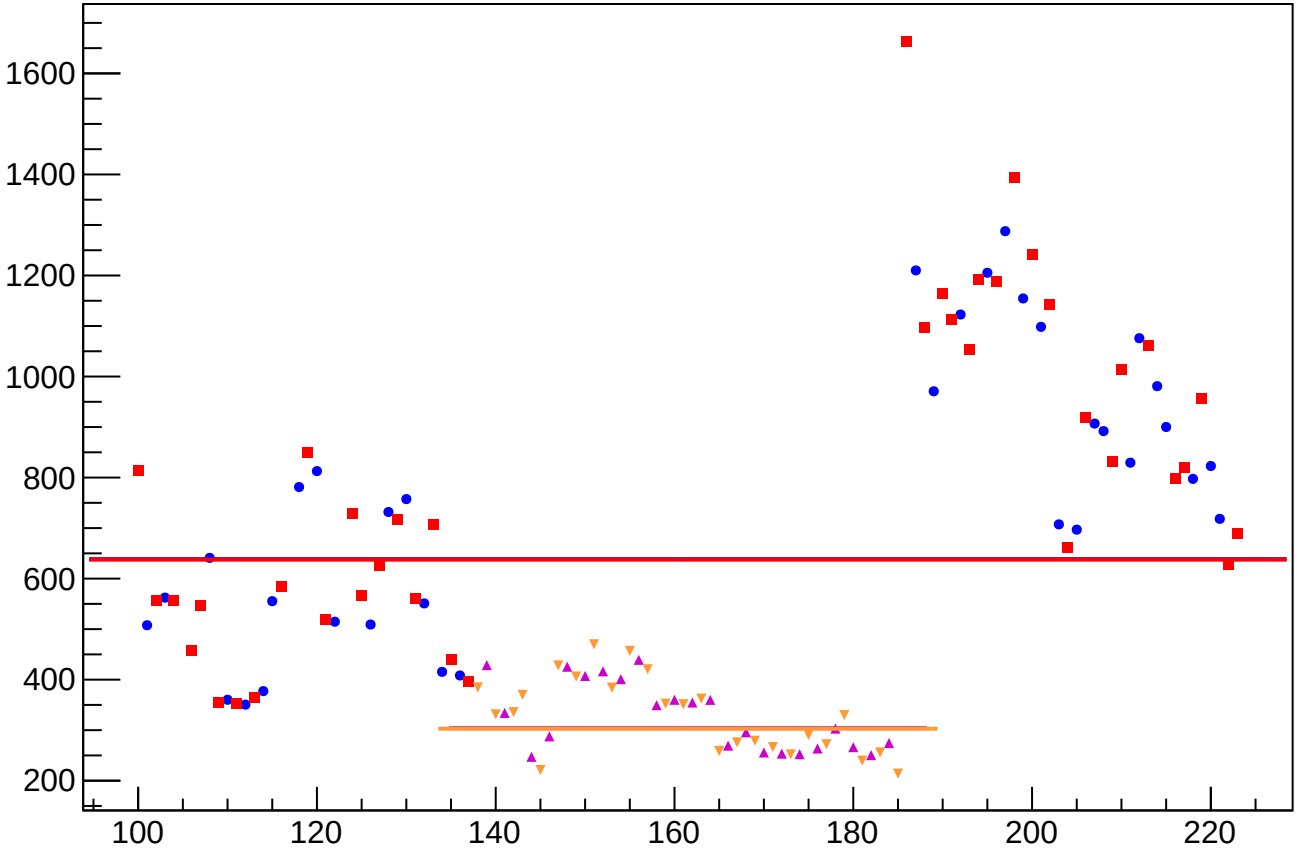
Right: 37.954+/-102.861 χ^2/NDF: 127.5/72

In: -124.711+/-65.054 χ^2/NDF:98.5/56

Out: -73.648+/-63.558 χ^2/NDF:112.6/63

All: -98.586+/-45.462 χ^2/NDF: 211.4/120

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

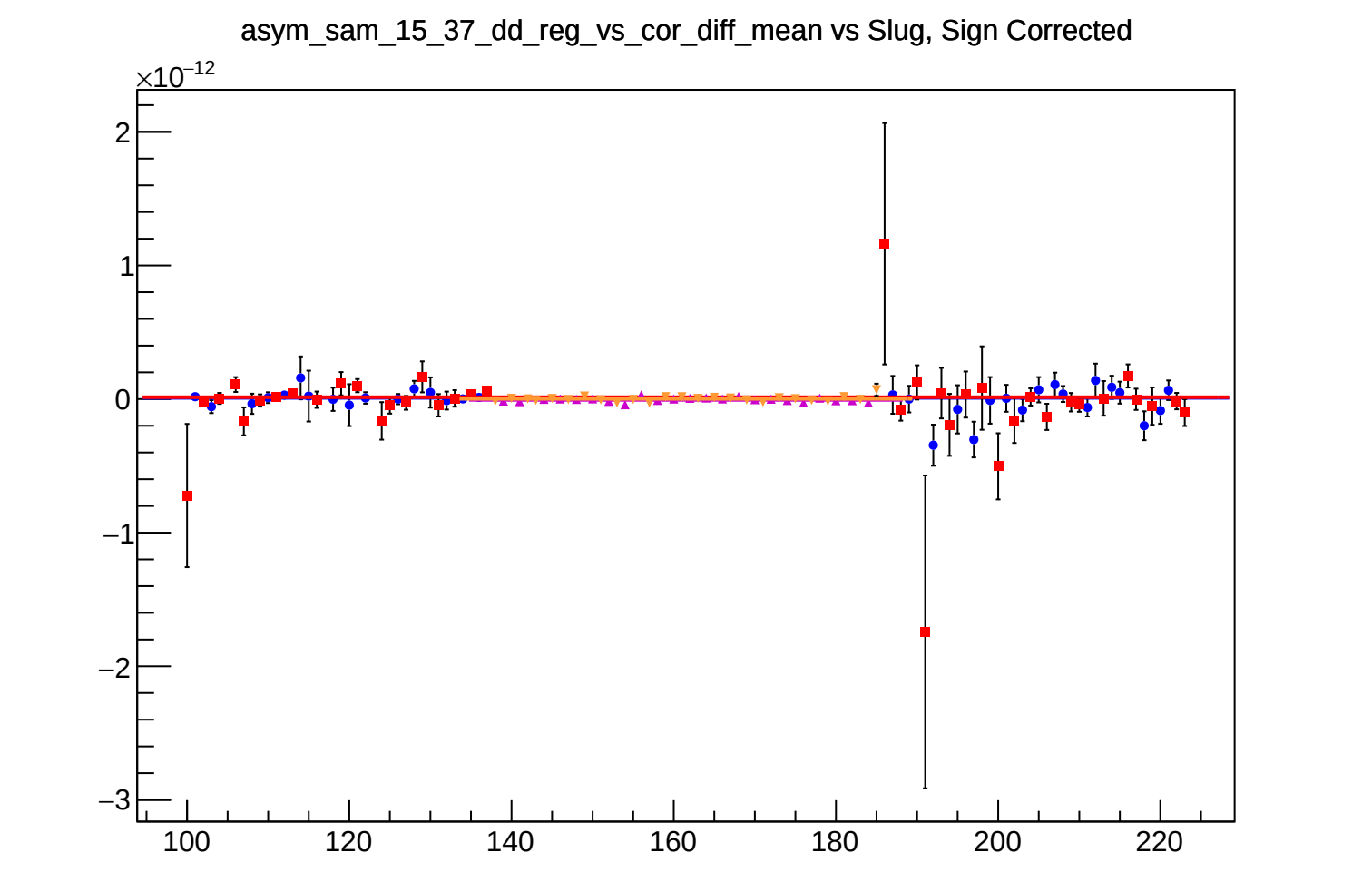
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 638.079+/-0.073 χ^2/NDF: 12312608.6/72

In: 370.162+/-0.046 χ^2/NDF:15362119.5/56

Out: 367.485+/-0.045 χ^2/NDF:17126423.1/63

All: 368.792+/-0.032 χ^2/NDF: 32490274.7/12



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

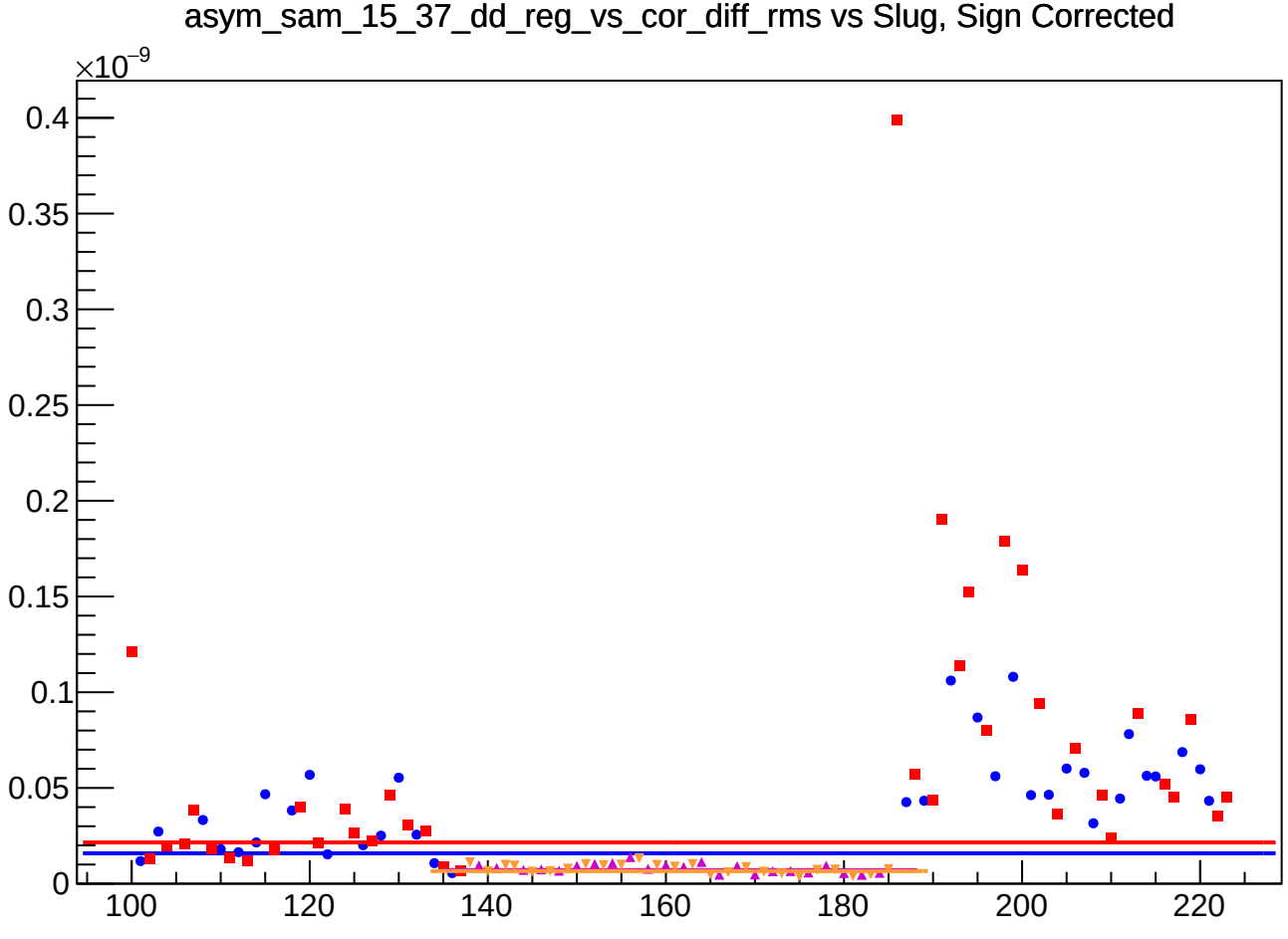
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

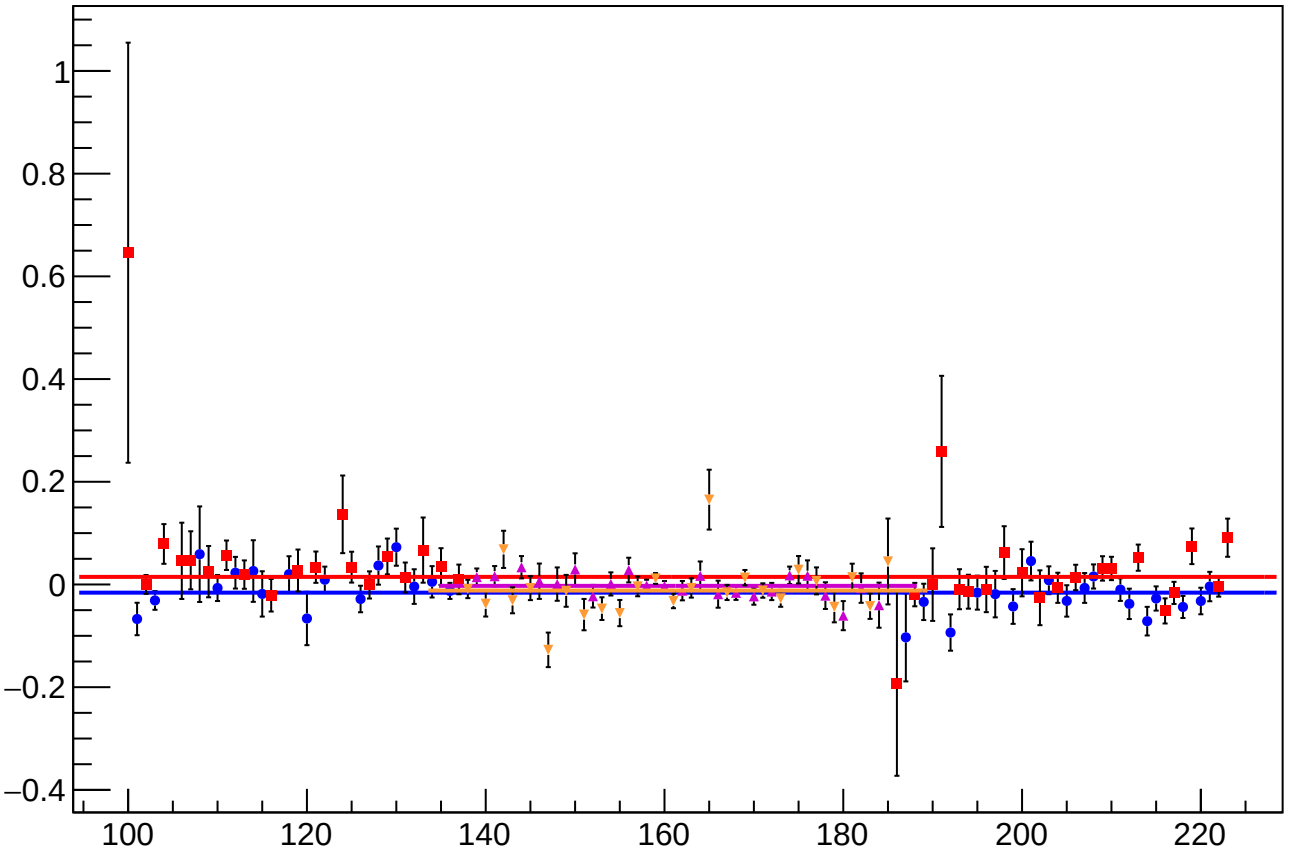
Right: 0.000+/-0.000 χ^2/NDF: 73.2/72

In: -0.000+/-0.000 χ^2/NDF:50.0/56

Out: 0.000+/-0.000 χ^2/NDF:69.2/63

All: -0.000+/-0.000 χ^2/NDF: 122.8/120


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9123394.9/33
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 8023670.0/38
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 17590081.3/72
In: 0.000+/-0.000 χ²/NDF:12497947.5/56
Out: 0.000+/-0.000 χ²/NDF:14263422.5/63
All: 0.000+/-0.000 χ²/NDF: 26801358.0/120



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

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

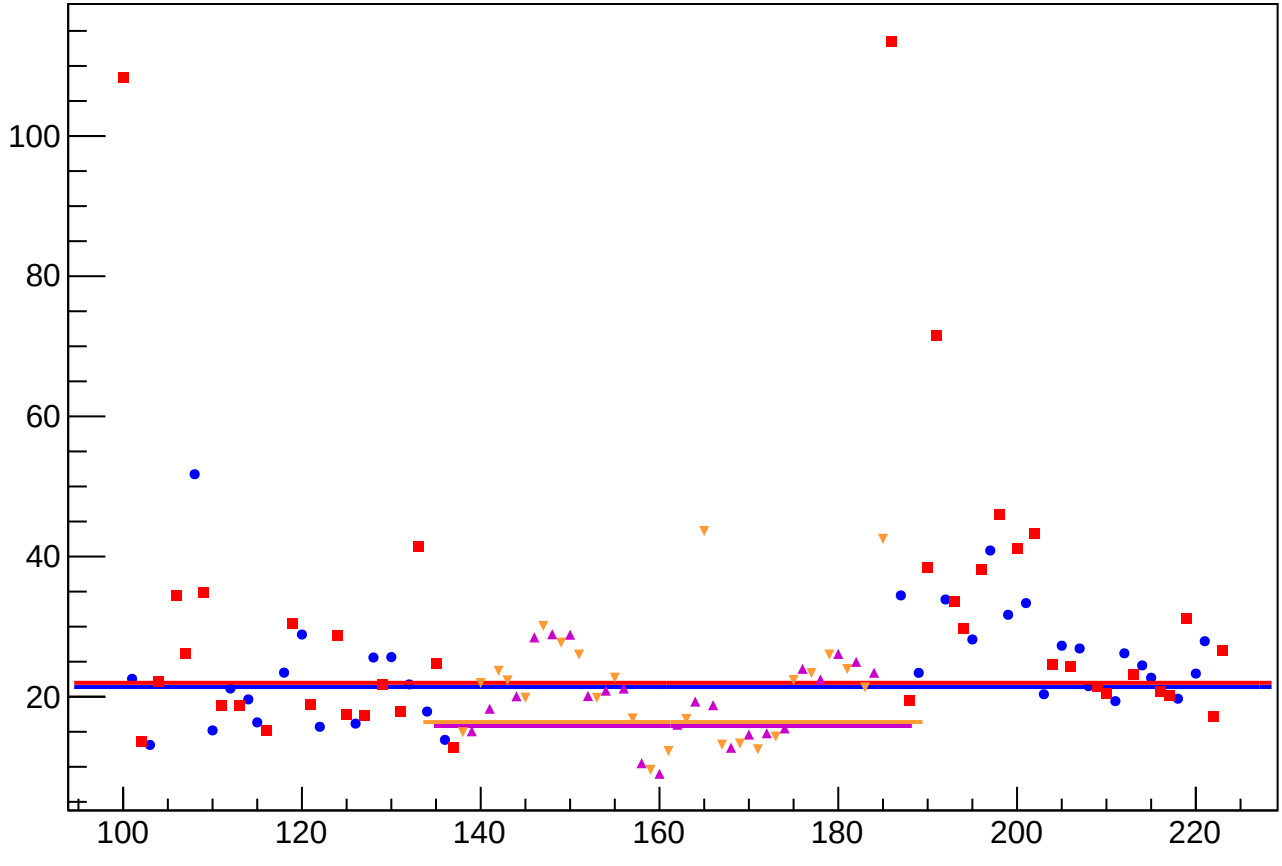
Right: -0.001+/-0.004 χ^2/NDF: 102.7/72

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.001+/-0.003 χ^2/NDF:116.6/63

All: -0.005+/-0.002 χ^2/NDF: 180.3/120

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

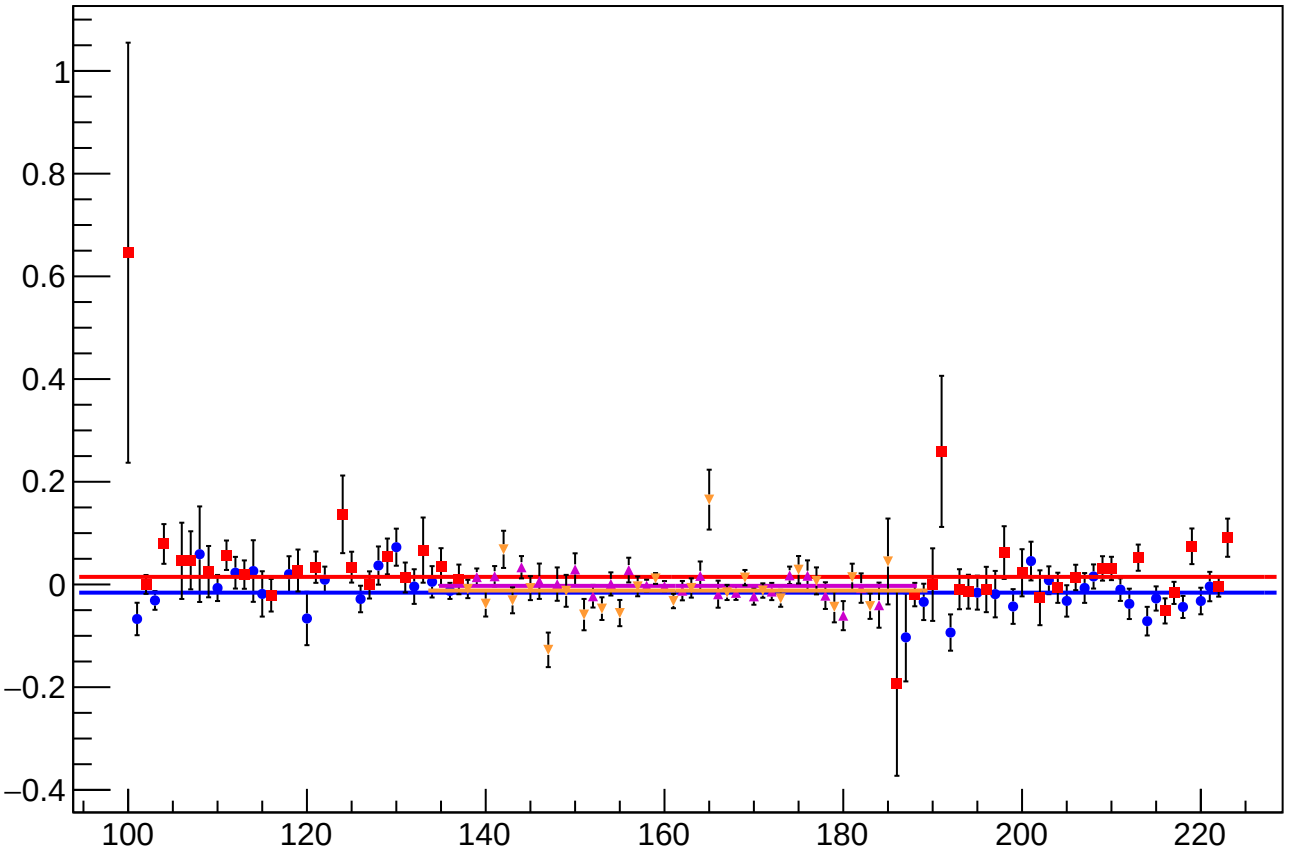
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.677+/-0.003 χ^2/NDF: 7521546.1/72

In: 18.040+/-0.002 χ^2/NDF:8235145.2/56

Out: 18.560+/-0.002 χ^2/NDF:9938171.7/63

All: 18.296+/-0.002 χ^2/NDF: 18200475.5/120



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

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

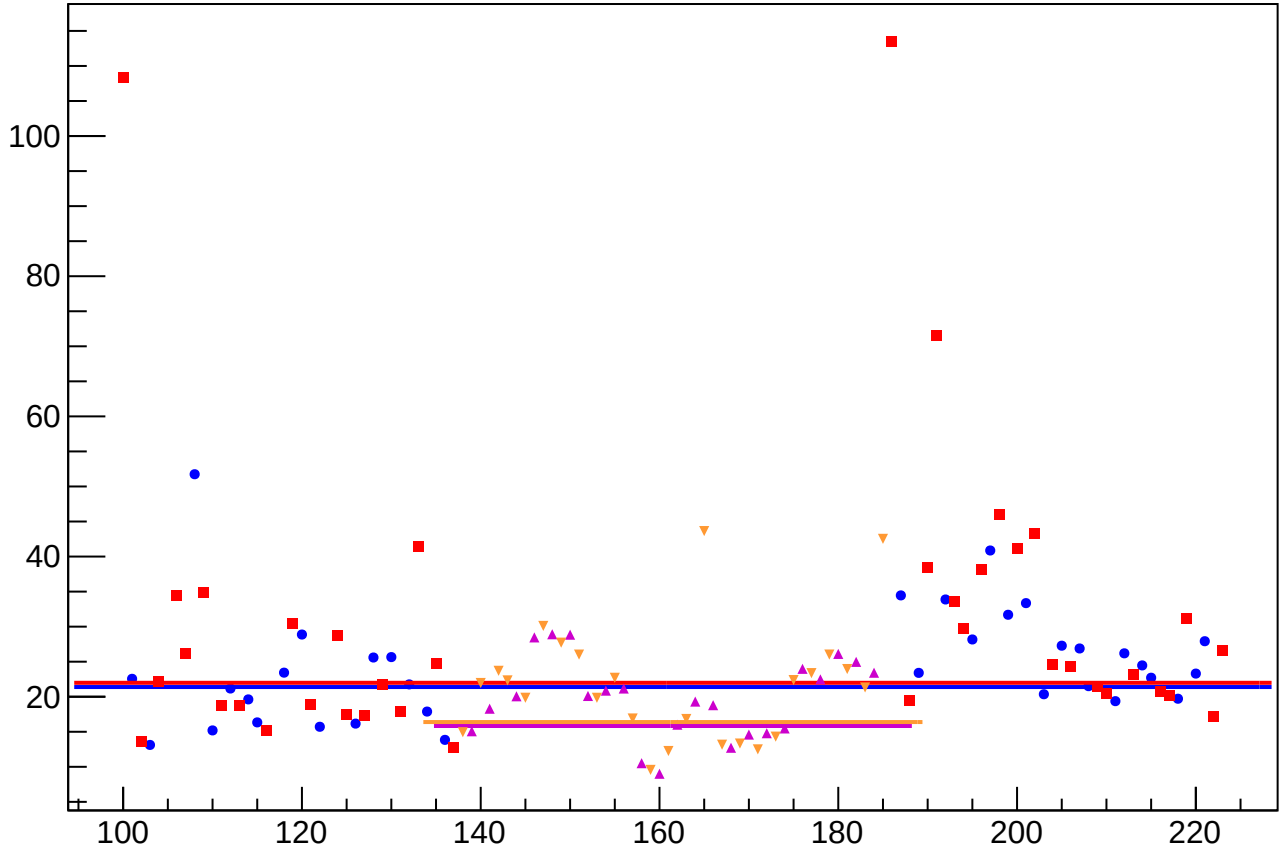
Right: -0.001+/-0.004 χ^2/NDF: 102.7/72

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.001+/-0.003 χ^2/NDF:116.6/63

All: -0.005+/-0.002 χ^2/NDF: 180.3/120

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

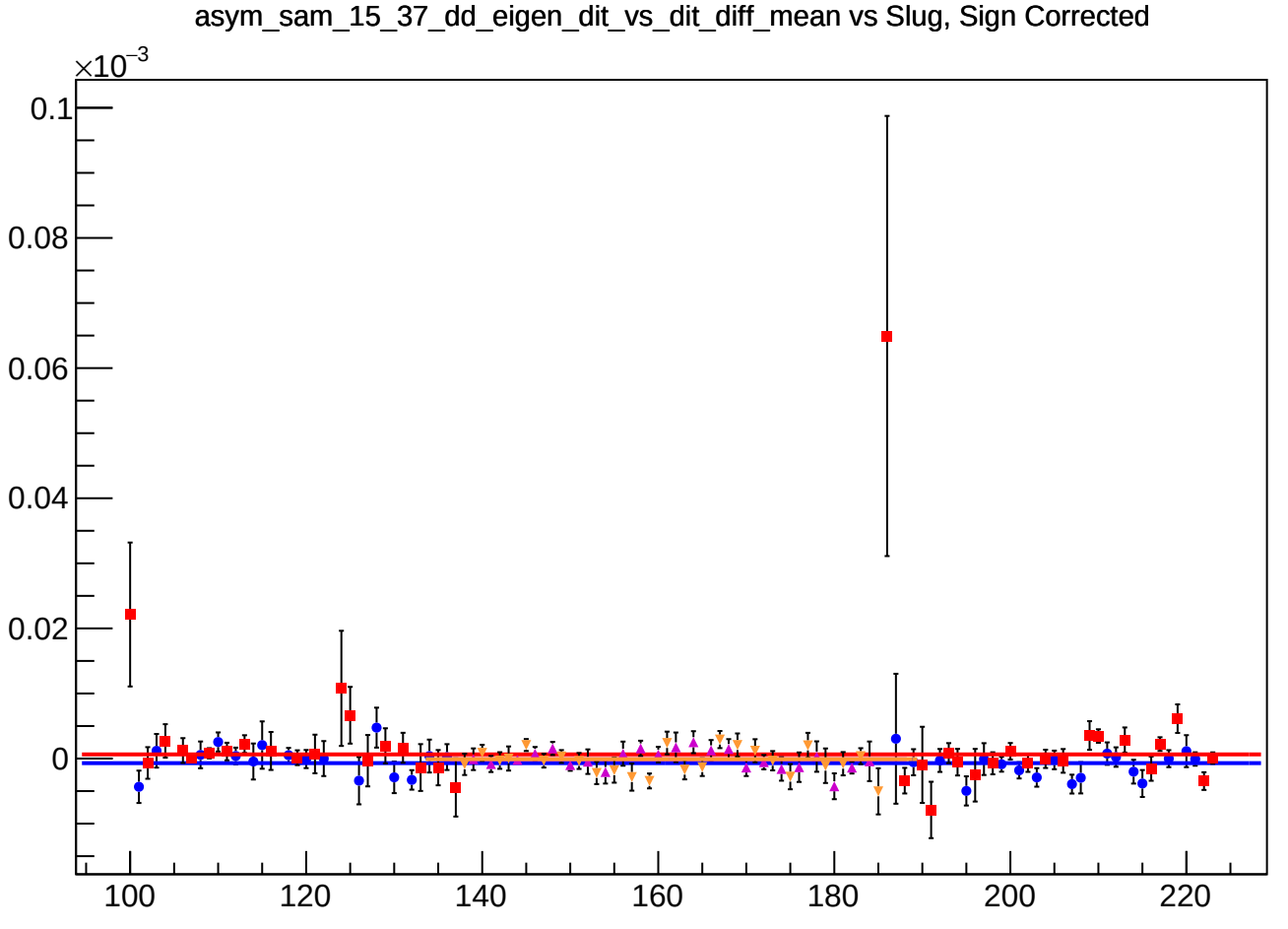
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.677+/-0.003 χ^2/NDF: 7521546.1/72

In: 18.040+/-0.002 χ^2/NDF:8235145.2/56

Out: 18.560+/-0.002 χ^2/NDF:9938171.7/63

All: 18.296+/-0.002 χ^2/NDF: 18200475.5/120



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

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

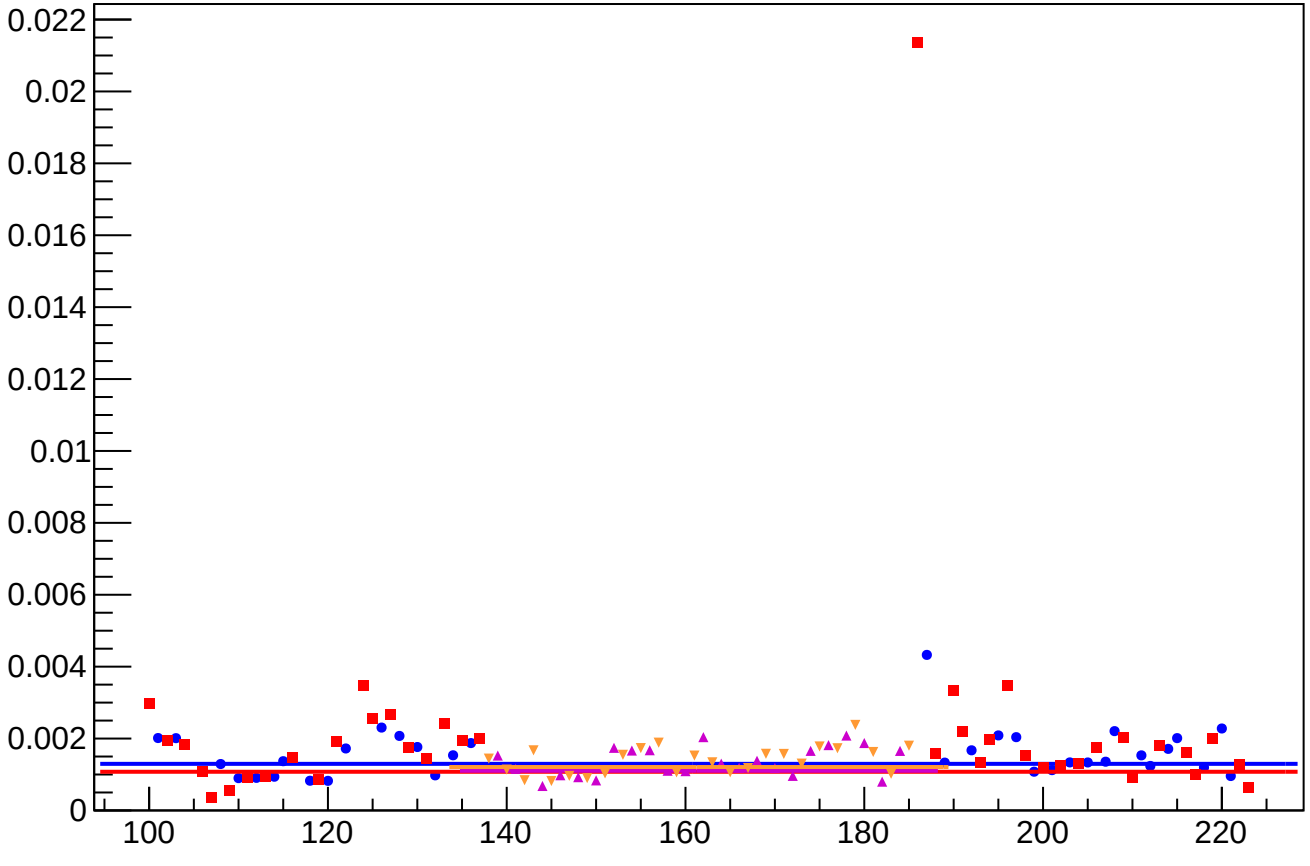
Right: 0.000+/-0.000 χ^2/NDF: 106.2/72

In: -0.000+/-0.000 χ^2/NDF:60.9/56

Out: 0.000+/-0.000 χ^2/NDF:97.5/63

All: -0.000+/-0.000 χ^2/NDF: 164.6/120

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

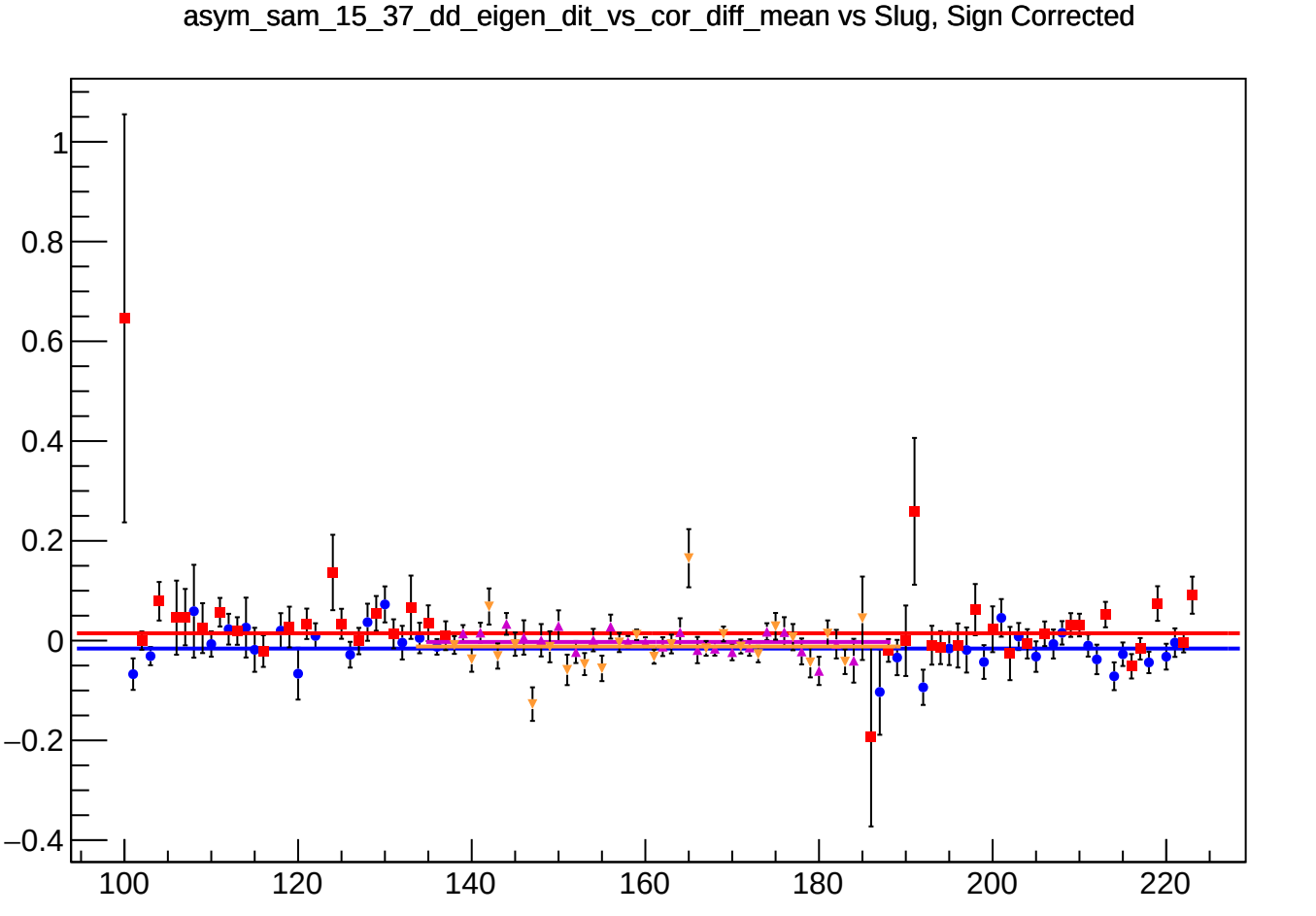
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 14372525.1/72

In: 0.001+/-0.000 χ^2/NDF:7946137.1/56

Out: 0.001+/-0.000 χ^2/NDF:12701537.5/63

All: 0.001+/-0.000 χ^2/NDF: 20734108.9/120



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

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

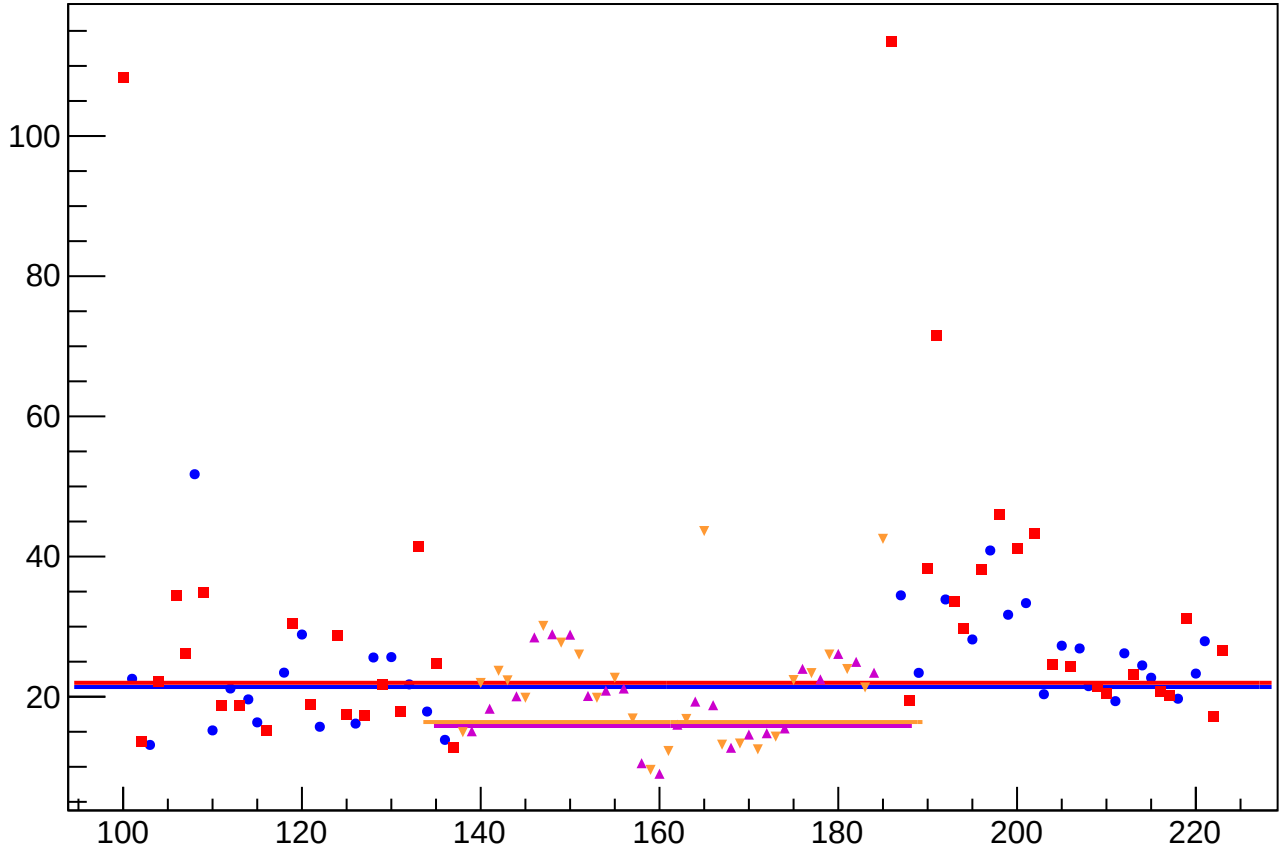
Right: -0.001+/-0.004 χ^2/NDF: 102.7/72

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.001+/-0.003 χ^2/NDF:116.6/63

All: -0.005+/-0.002 χ^2/NDF: 180.3/120

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

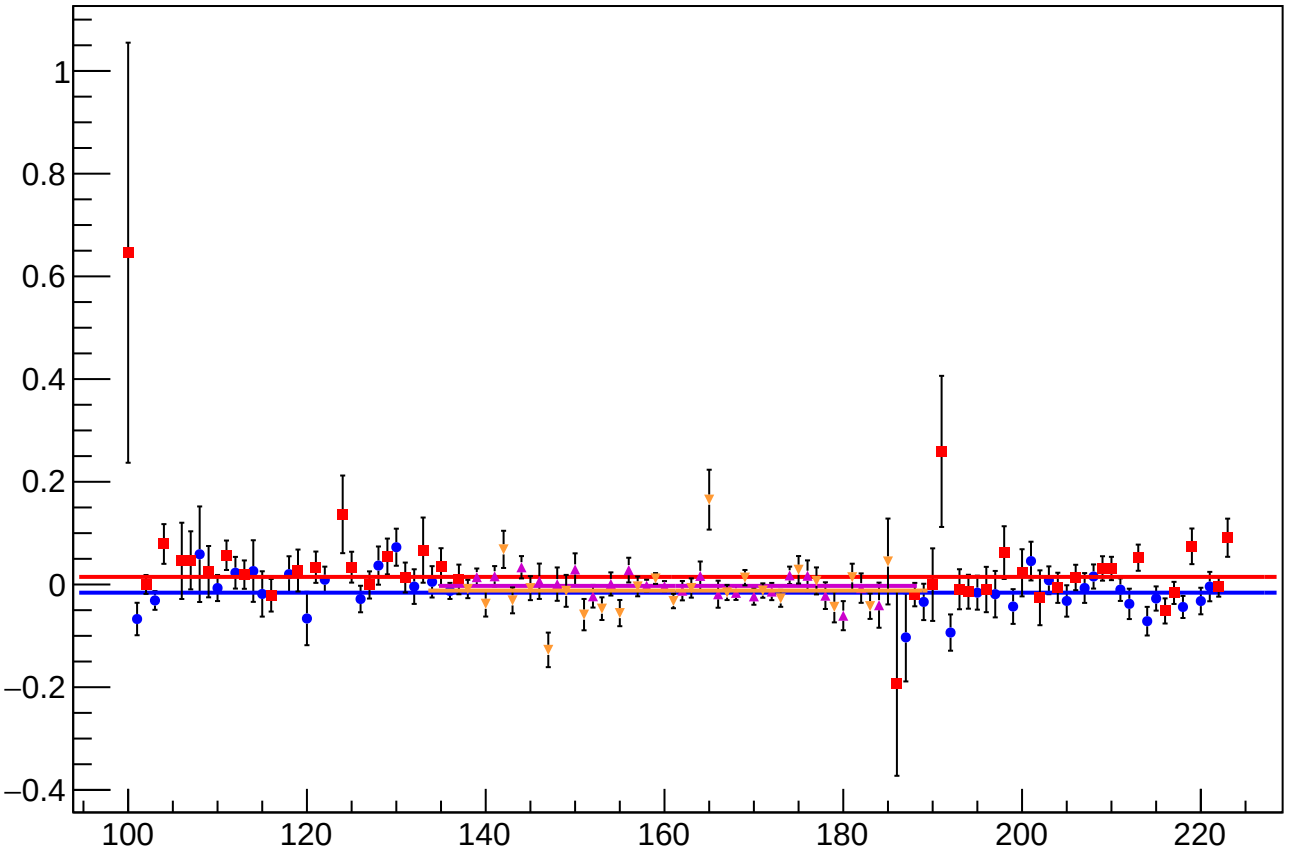
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.677+/-0.003 χ^2/NDF: 7521328.3/72

In: 18.040+/-0.002 χ^2/NDF:8235641.8/56

Out: 18.560+/-0.002 χ^2/NDF:9938409.1/63

All: 18.296+/-0.002 χ^2/NDF: 18201223.3/120



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

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

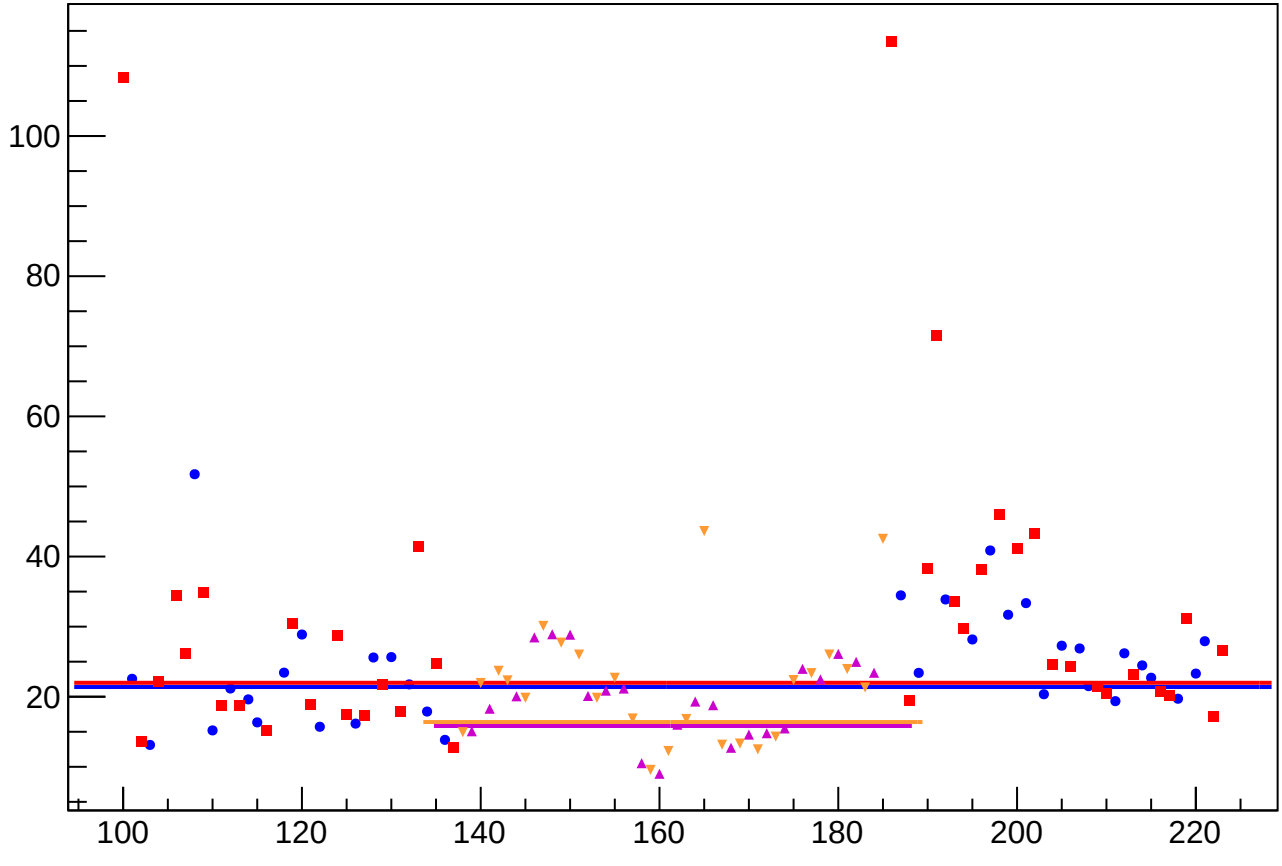
Right: -0.001+/-0.004 χ^2/NDF: 102.7/72

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.001+/-0.003 χ^2/NDF:116.6/63

All: -0.005+/-0.002 χ^2/NDF: 180.3/120

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

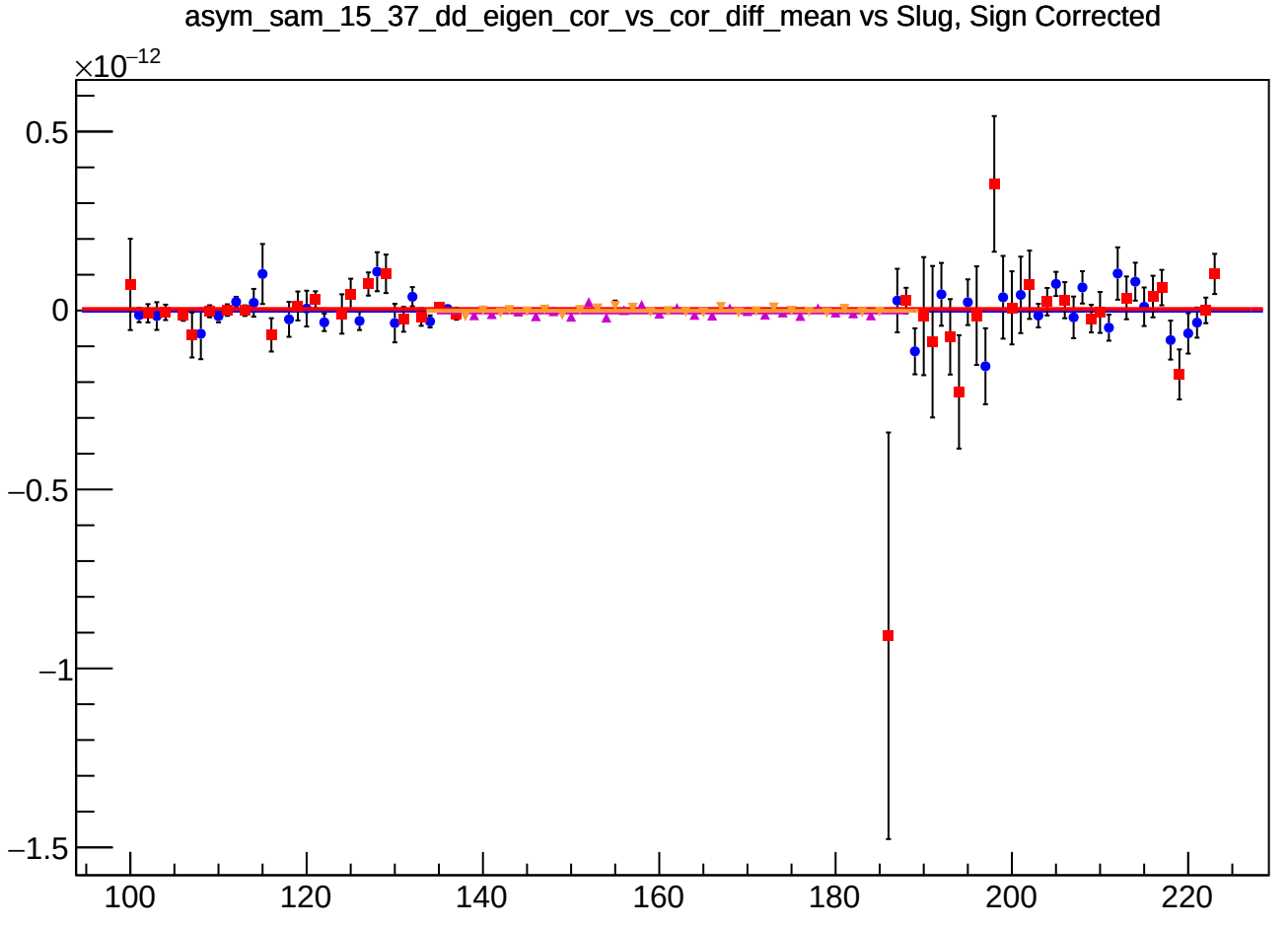
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.677+/-0.003 χ^2/NDF: 7521328.3/72

In: 18.040+/-0.002 χ^2/NDF:8235641.8/56

Out: 18.560+/-0.002 χ^2/NDF:9938409.1/63

All: 18.296+/-0.002 χ^2/NDF: 18201223.3/120



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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

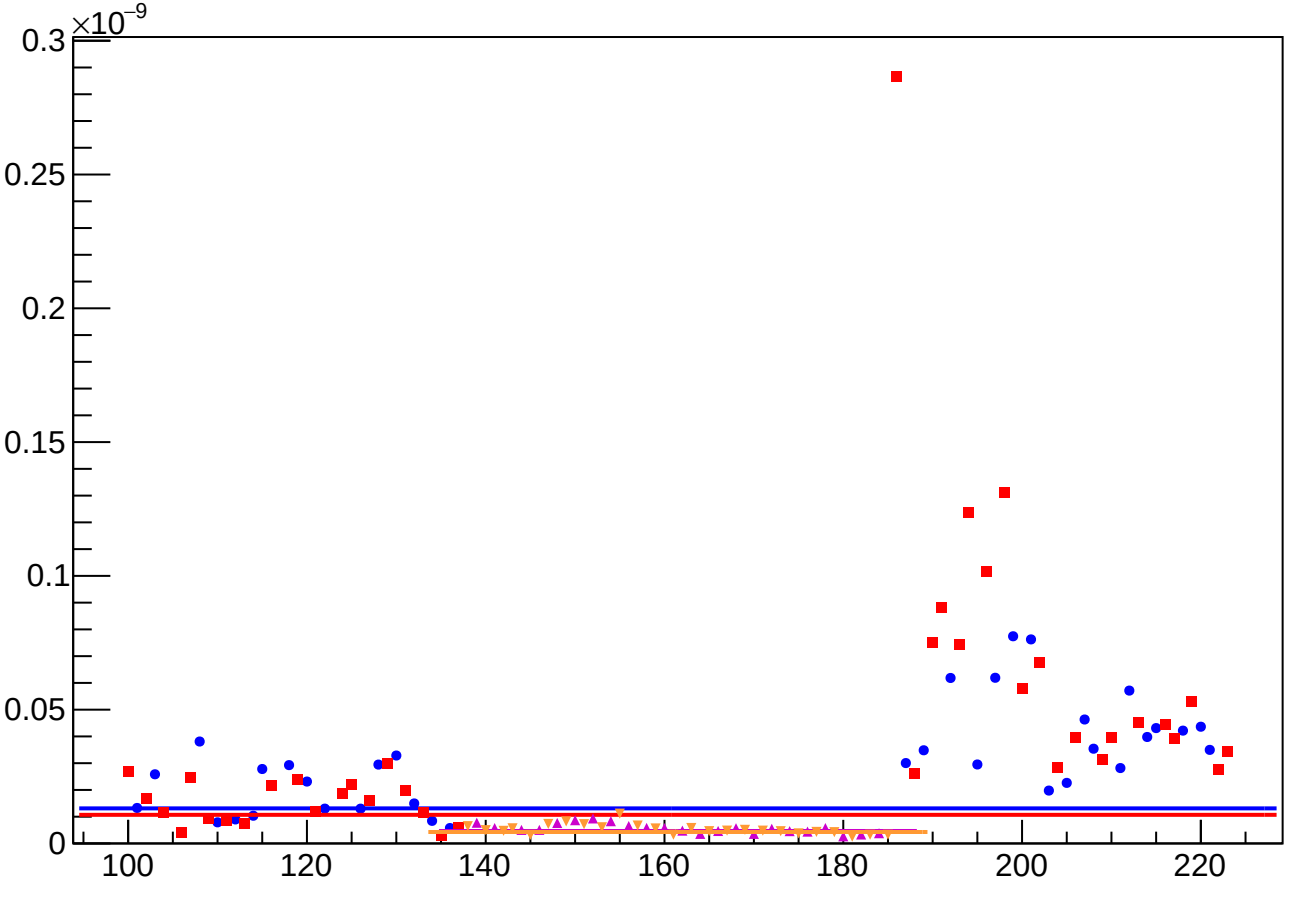
Right: 0.000+/-0.000 χ^2/NDF: 86.4/72

In: -0.000+/-0.000 χ^2/NDF:82.7/56

Out: -0.000+/-0.000 χ^2/NDF:62.5/63

All: -0.000+/-0.000 χ^2/NDF: 151.7/120

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

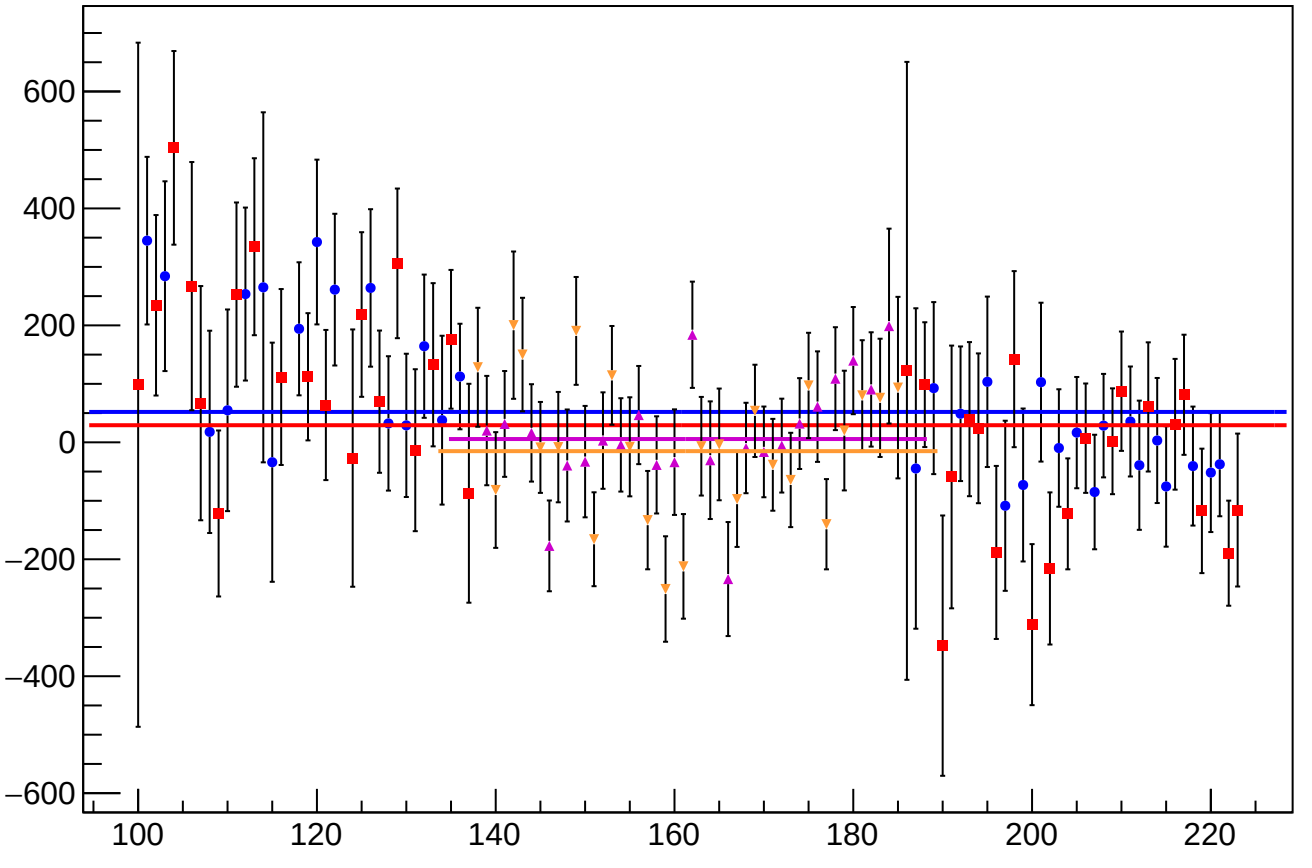
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 27682414.4/72

In: 0.000+/-0.000 χ^2/NDF:20156431.0/56

Out: 0.000+/-0.000 χ^2/NDF:22474575.7/63

All: 0.000+/-0.000 χ^2/NDF: 42799764.3/120



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

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

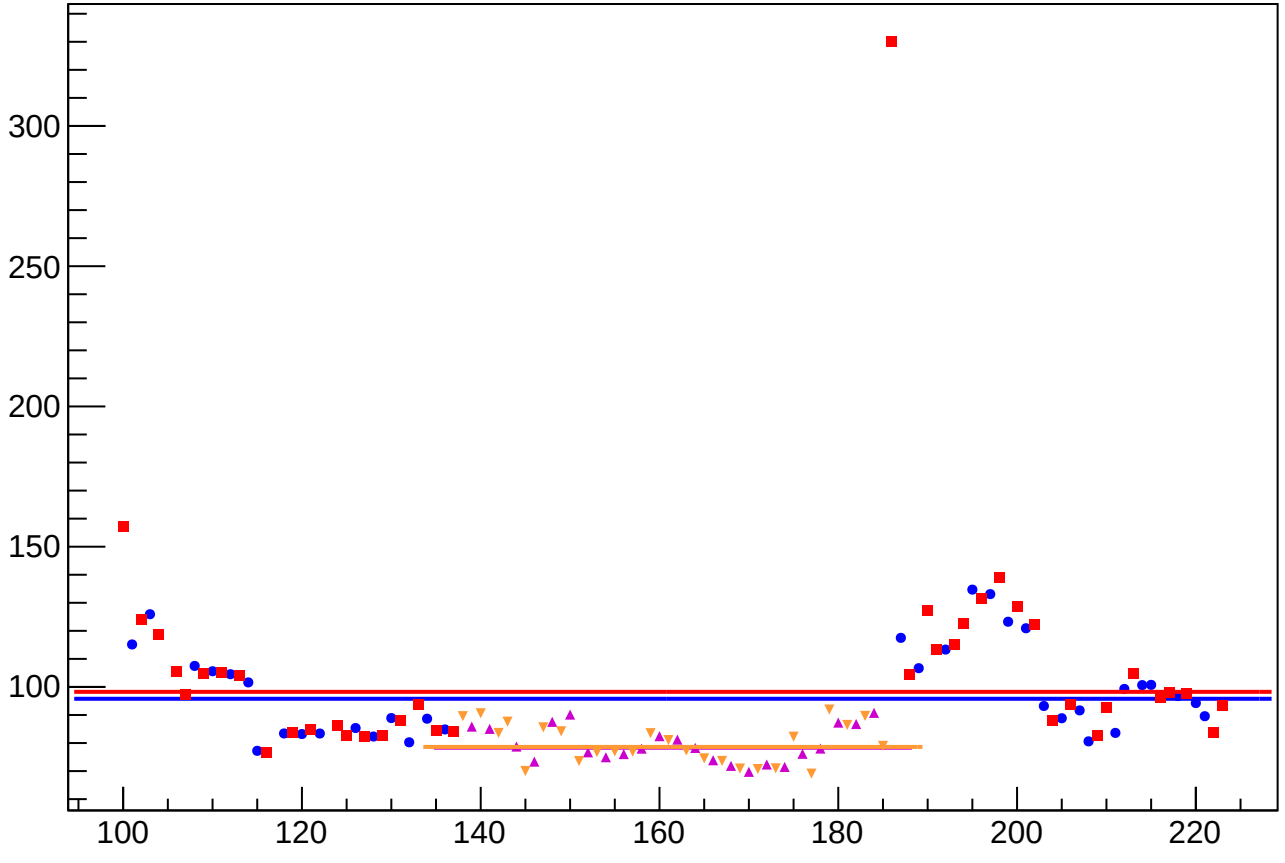
Right: 40.762+/-14.723 χ^2/NDF: 89.1/72

In: 26.076+/-13.741 χ^2/NDF:57.3/56

Out: 3.677+/-13.636 χ^2/NDF:101.2/63

All: 14.791+/-9.679 χ^2/NDF: 159.9/120

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

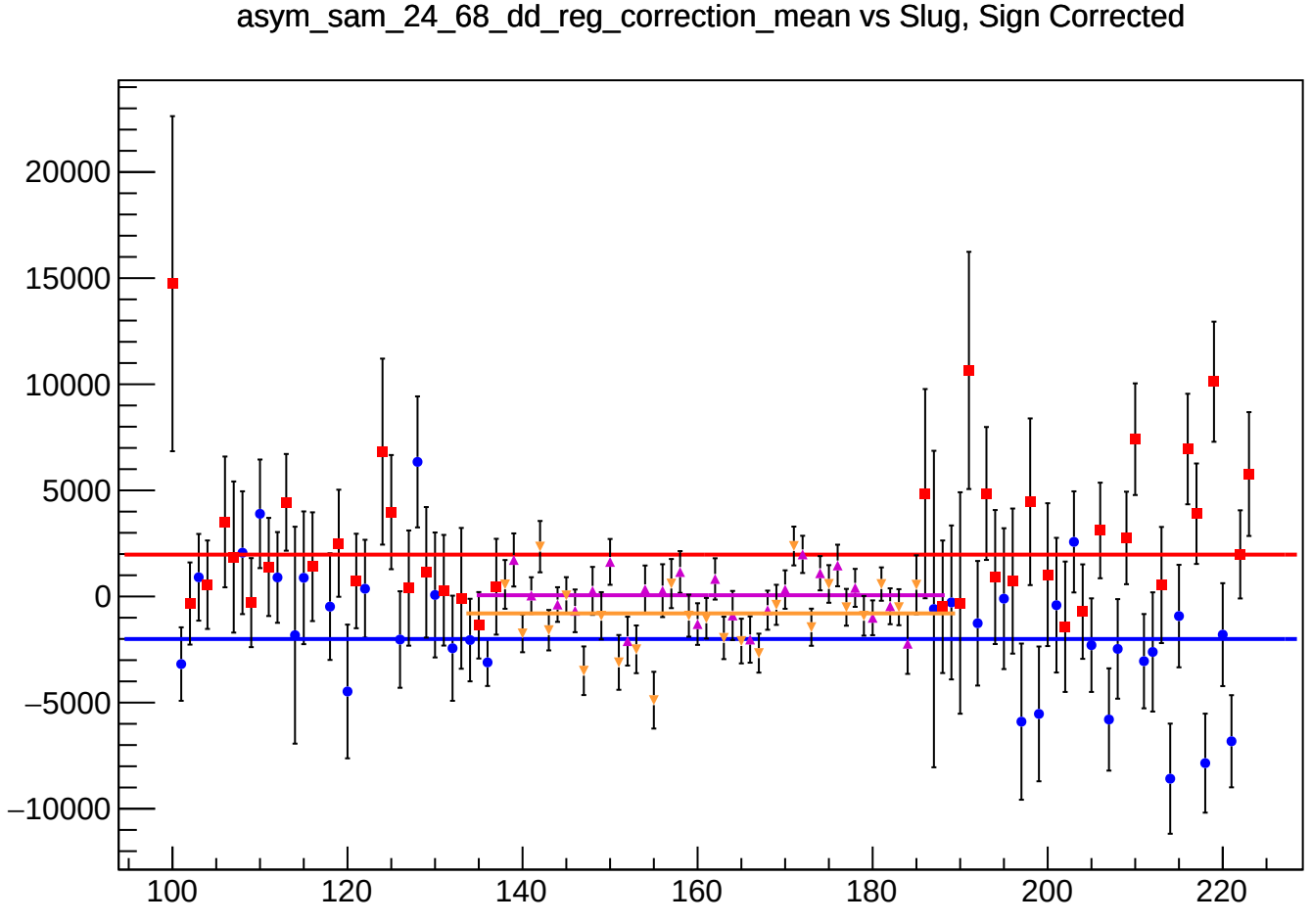
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

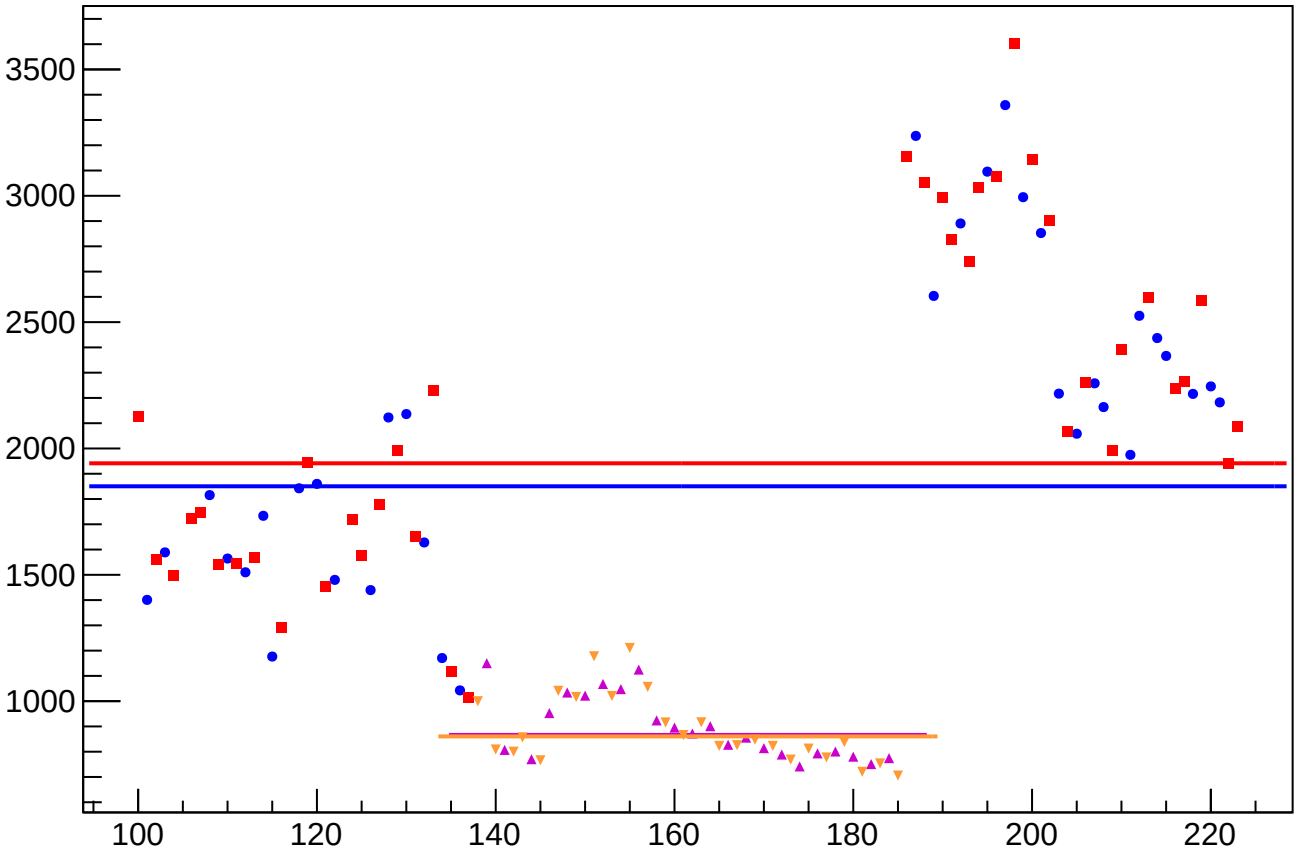
Right: 96.999+/-0.010 χ^2/NDF: 2431598.0/72

In: 86.030+/-0.010 χ^2/NDF:1948921.3/56

Out: 86.930+/-0.010 χ^2/NDF:2791735.5/63

All: 86.484+/-0.007 χ^2/NDF: 4744982.6/120


asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -2003.508+/-414.230 χ²/NDF: 51.0/33
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1972.713+/-424.996 χ²/NDF: 42.6/38
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -66.402+/-296.638 χ²/NDF: 138.4/72
In: -344.582+/-183.325 χ²/NDF:101.4/56
Out: -303.523+/-179.391 χ²/NDF:136.9/63
All: -323.607+/-128.217 χ²/NDF: 238.3/120



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

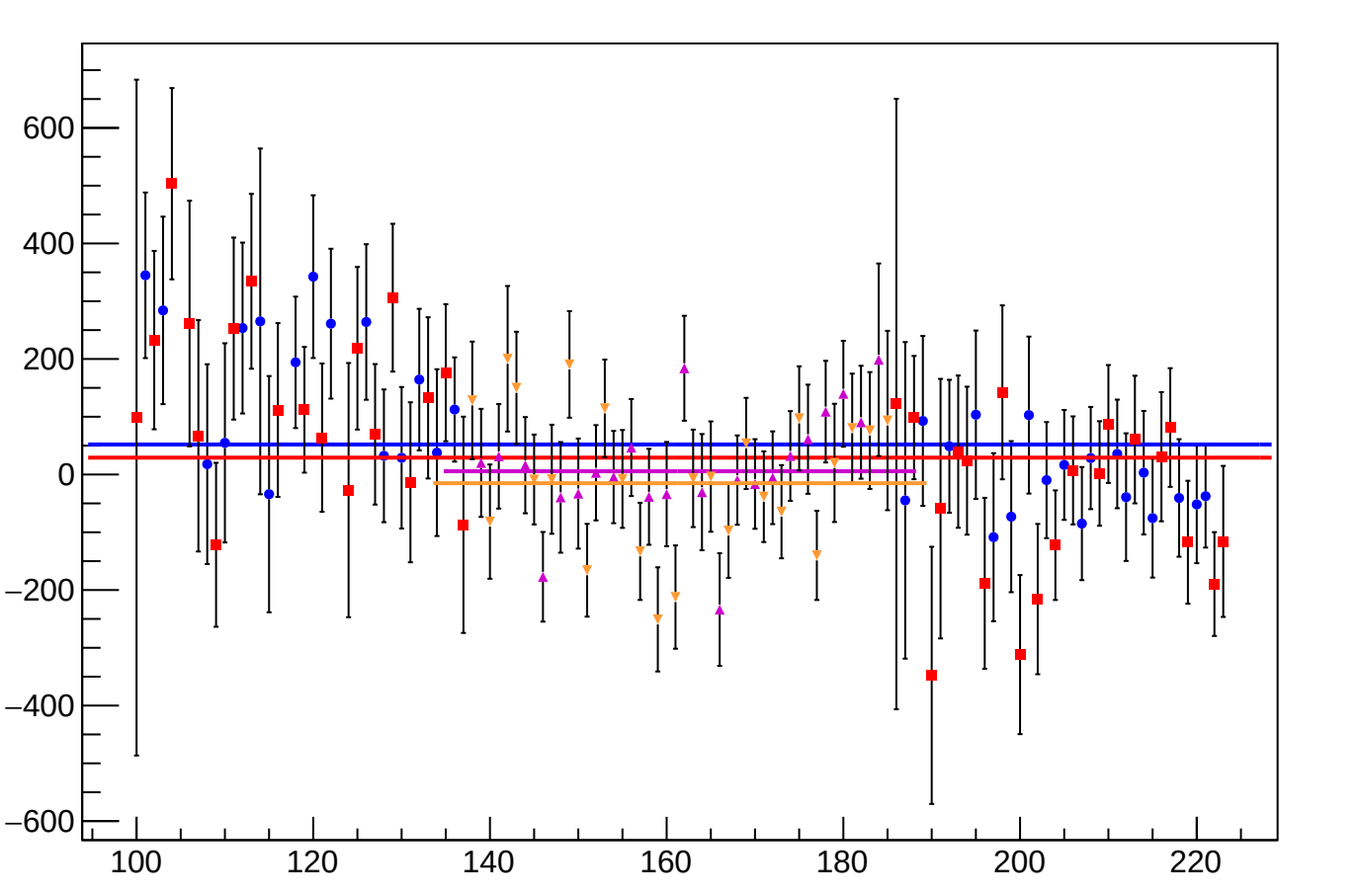
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1894.684+/-0.210 χ^2/NDF: 7835138.8/72

In: 1059.087+/-0.130 χ^2/NDF:13600760.7/56

Out: 1053.067+/-0.127 χ^2/NDF:15206409.9/63

All: 1056.012+/-0.091 χ^2/NDF: 28808272.1/1



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

Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

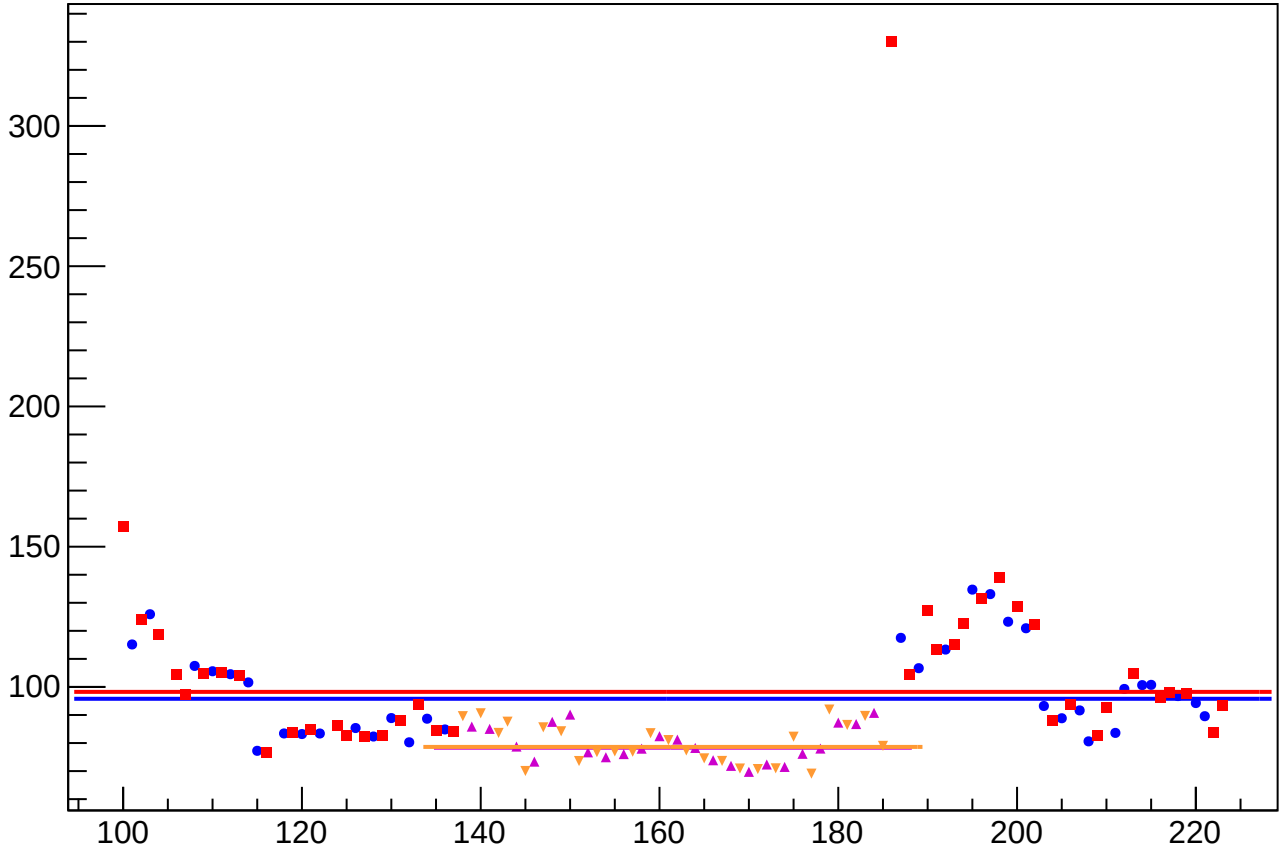
Right: 40.709+/-14.723 χ^2/NDF: 89.0/72

In: 26.071+/-13.741 χ^2/NDF:57.3/56

Out: 3.635+/-13.636 χ^2/NDF:101.1/63

All: 14.767+/-9.679 χ^2/NDF: 159.8/120

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

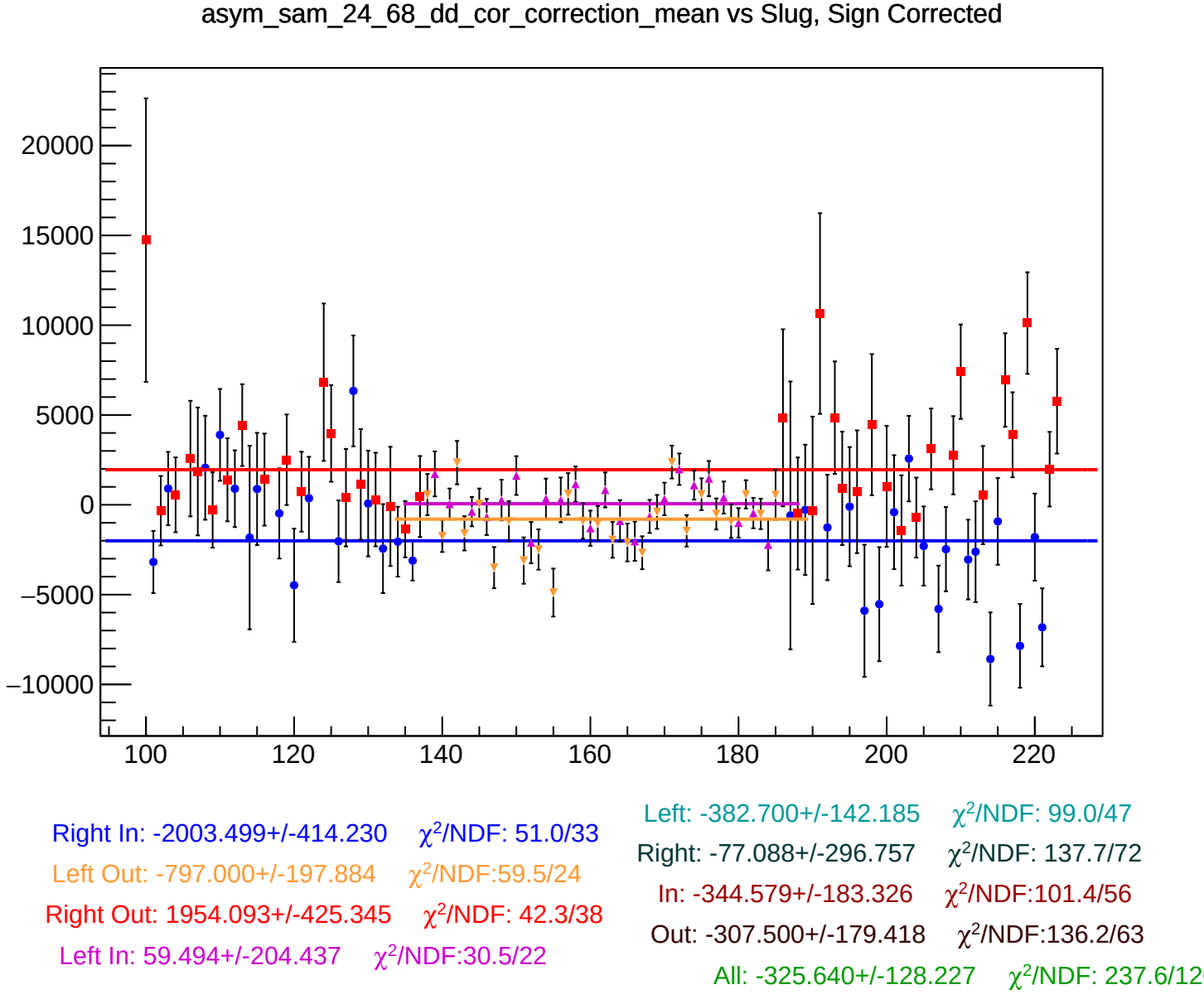
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

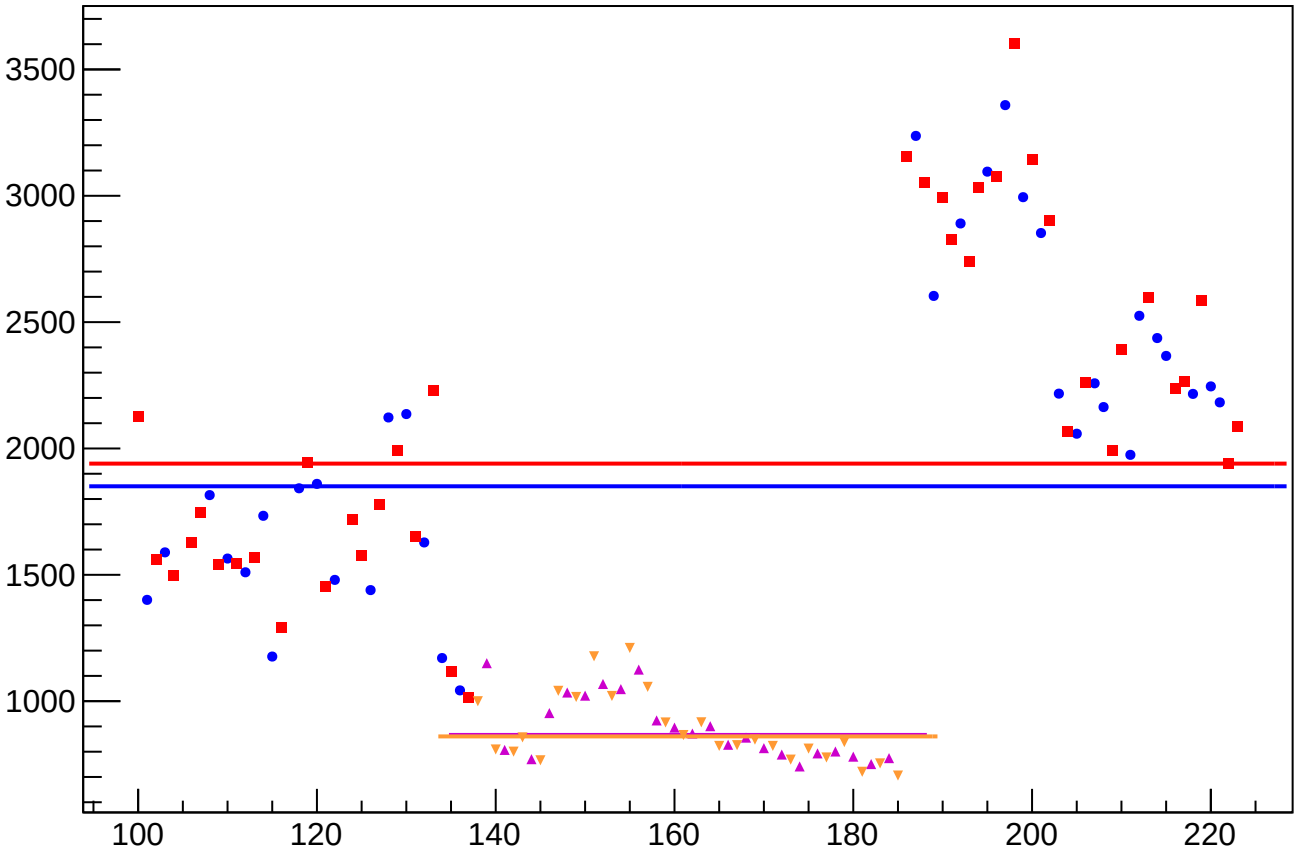
Right: 96.993+/-0.010 χ^2/NDF: 2430880.6/72

In: 86.030+/-0.010 χ^2/NDF:1948923.2/56

Out: 86.925+/-0.010 χ^2/NDF:2789877.8/63

All: 86.481+/-0.007 χ^2/NDF: 4743075.5/120


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -2003.499+/-414.230 χ²/NDF: 51.0/33
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1954.093+/-425.345 χ²/NDF: 42.3/38
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -77.088+/-296.757 χ²/NDF: 137.7/72
In: -344.579+/-183.326 χ²/NDF:101.4/56
Out: -307.500+/-179.418 χ²/NDF:136.2/63
All: -325.640+/-128.227 χ²/NDF: 237.6/120



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

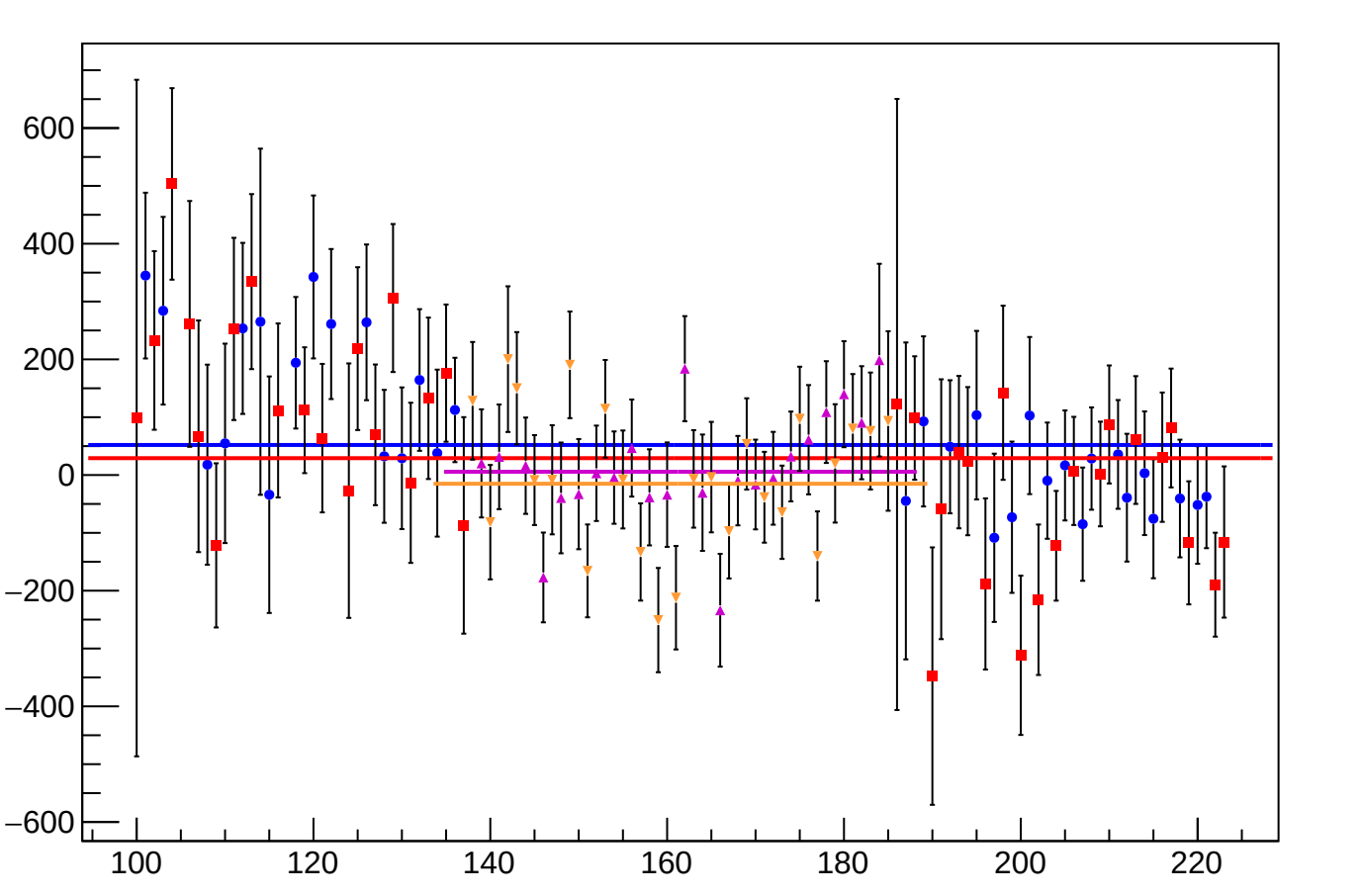
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1894.043+/-0.210 χ^2/NDF: 7842258.1/72

In: 1059.087+/-0.130 χ^2/NDF:13600773.4/56

Out: 1052.586+/-0.127 χ^2/NDF:15176108.8/63

All: 1055.767+/-0.091 χ^2/NDF: 28778166.9/1



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

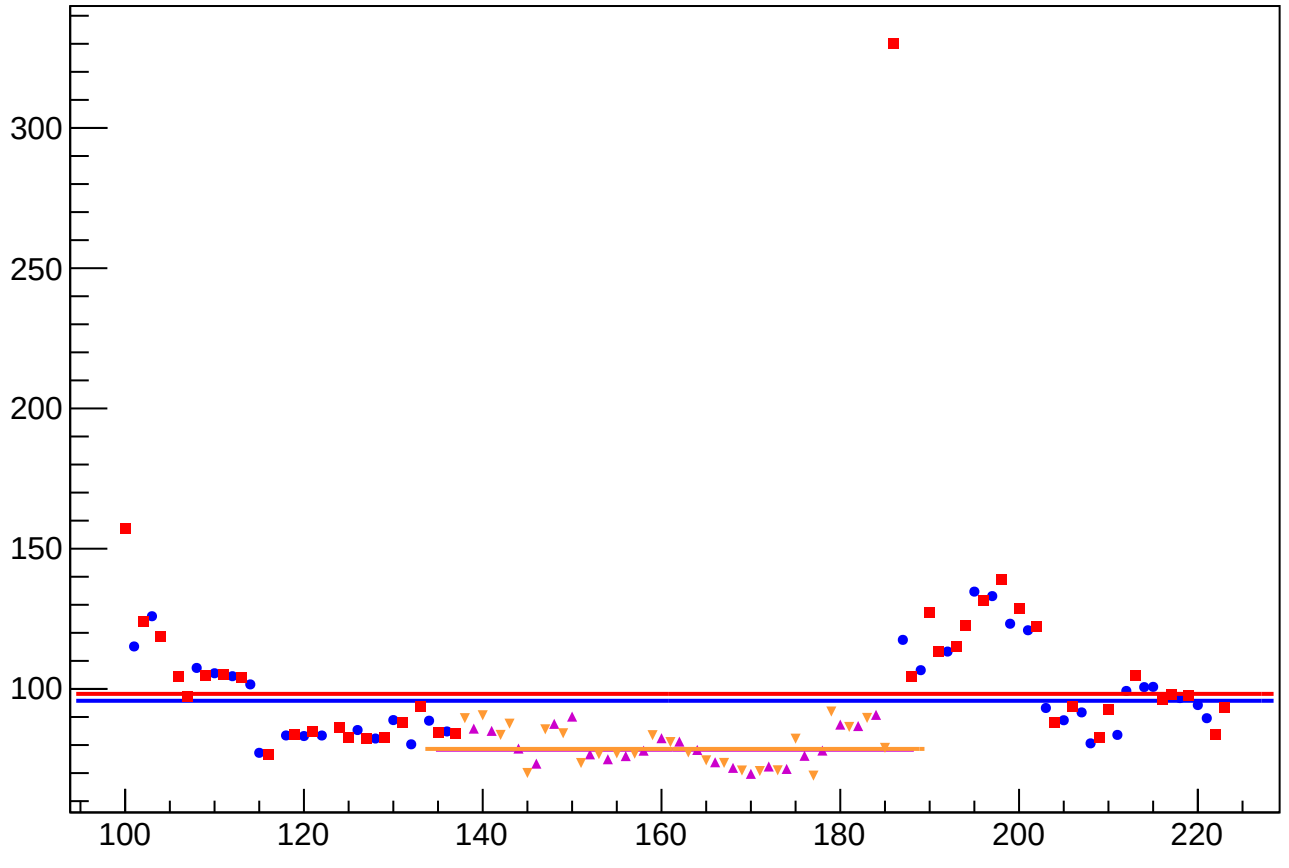
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 40.709+/-14.723 χ^2/NDF: 89.0/72

In: 26.071+/-13.741 χ^2/NDF:57.3/56

Out: 3.635+/-13.636 χ^2/NDF:101.1/63

All: 14.767+/-9.679 χ^2/NDF: 159.8/120



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

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

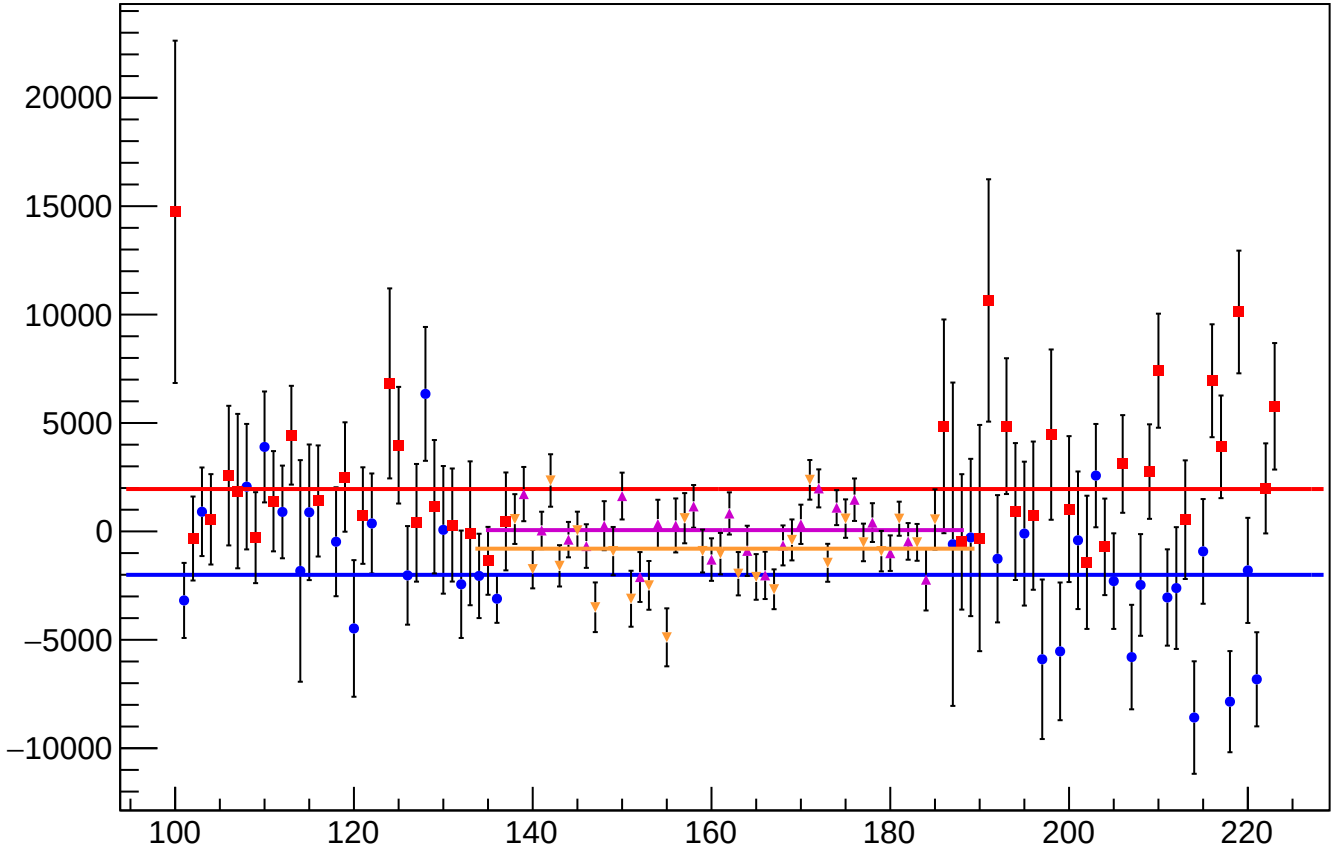
Right: 96.993+/-0.010 χ^2/NDF: 2430880.6/72

In: 86.030+/-0.010 χ^2/NDF:1948923.2/56

Out: 86.925+/-0.010 χ^2/NDF:2789877.8/63

All: 86.481+/-0.007 χ^2/NDF: 4743075.5/120

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

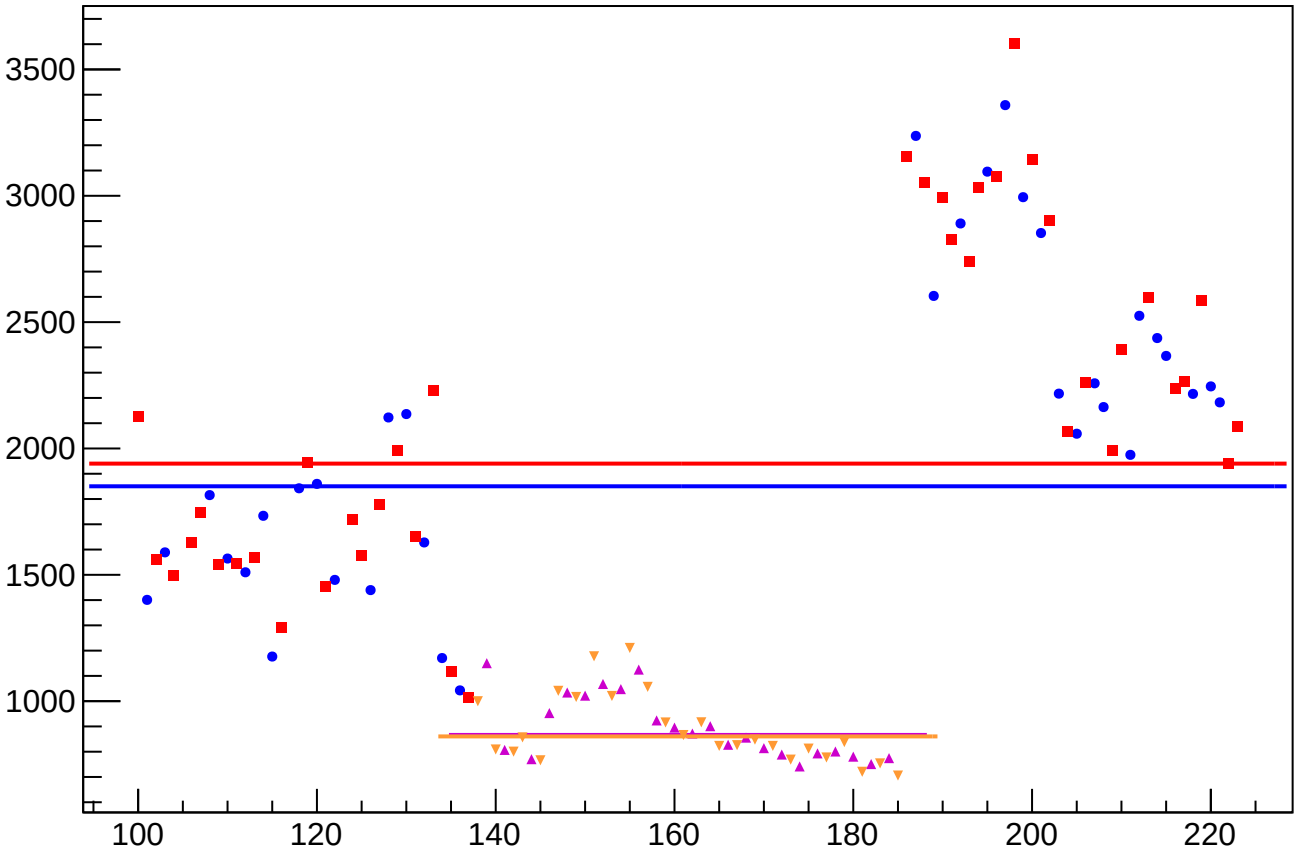
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -77.088+/-296.757 χ^2/NDF: 137.7/72

In: -344.579+/-183.326 χ^2/NDF:101.4/56

Out: -307.500+/-179.418 χ^2/NDF:136.2/63

All: -325.640+/-128.227 χ^2/NDF: 237.6/120



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

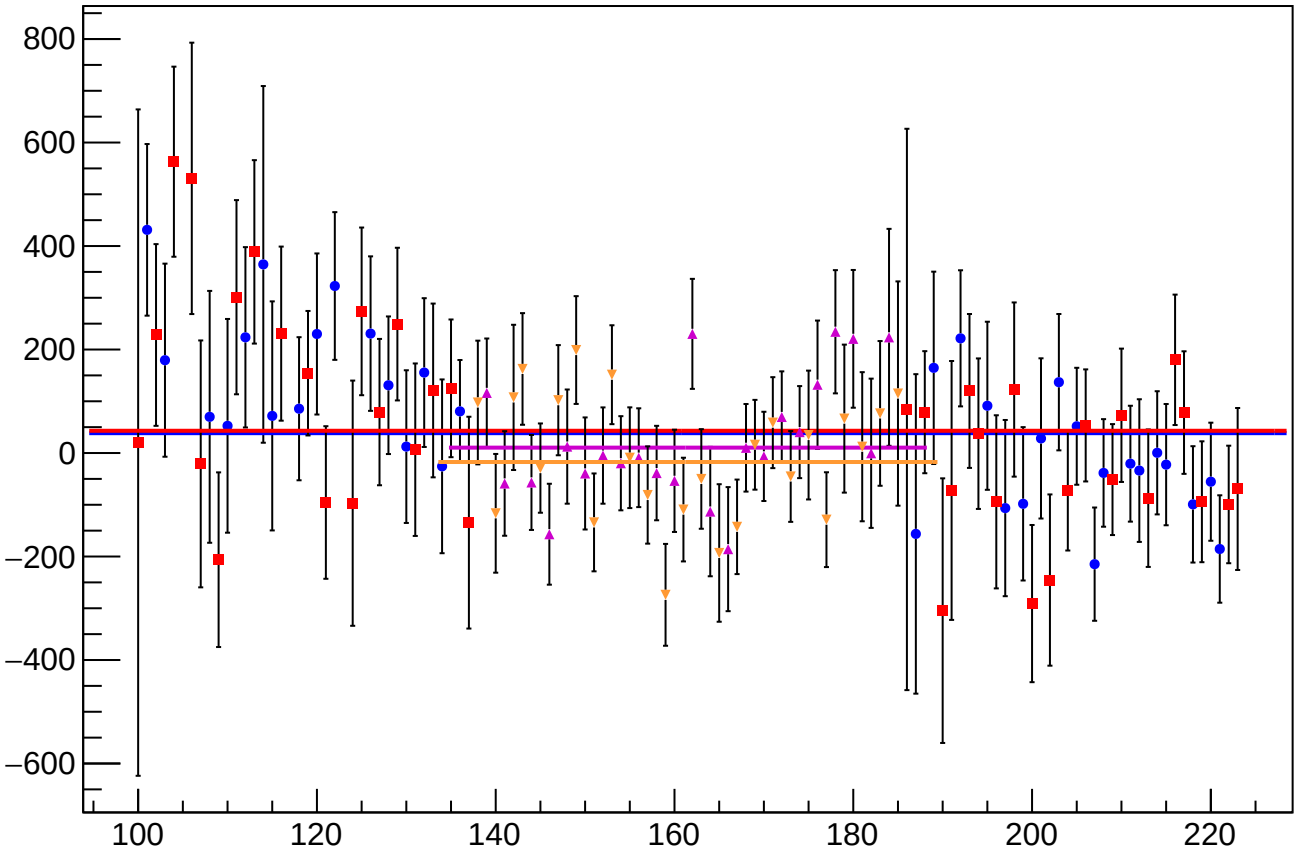
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1894.043+/-0.210 χ^2/NDF: 7842258.1/72

In: 1059.087+/-0.130 χ^2/NDF:13600773.4/56

Out: 1052.586+/-0.127 χ^2/NDF:15176108.8/63

All: 1055.767+/-0.091 χ^2/NDF: 28778166.9/1



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

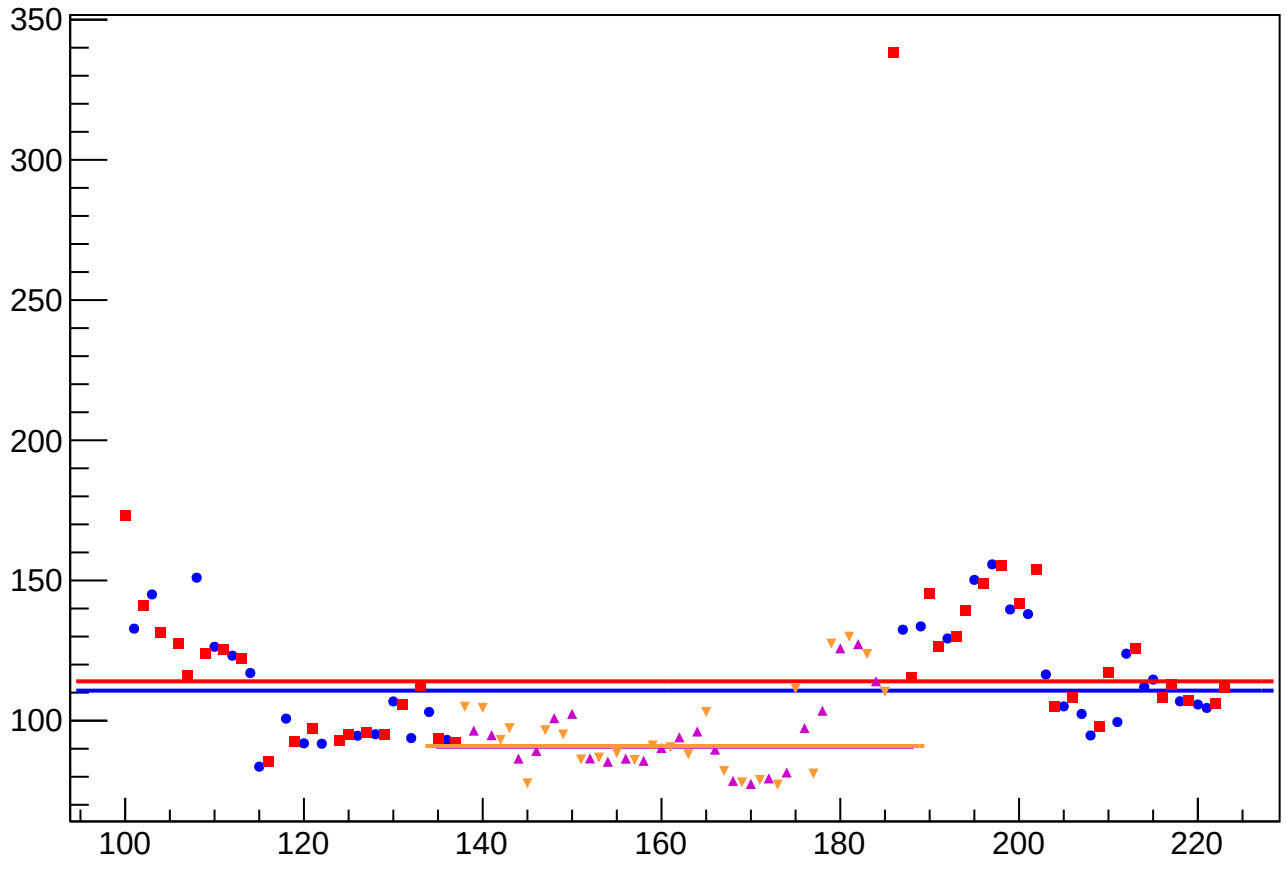
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 40.649+/-17.096 χ^2/NDF: 83.8/72

In: 22.858+/-16.015 χ^2/NDF:59.1/56

Out: 8.359+/-15.900 χ^2/NDF:82.8/63

All: 15.556+/-11.283 χ^2/NDF: 142.3/120



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

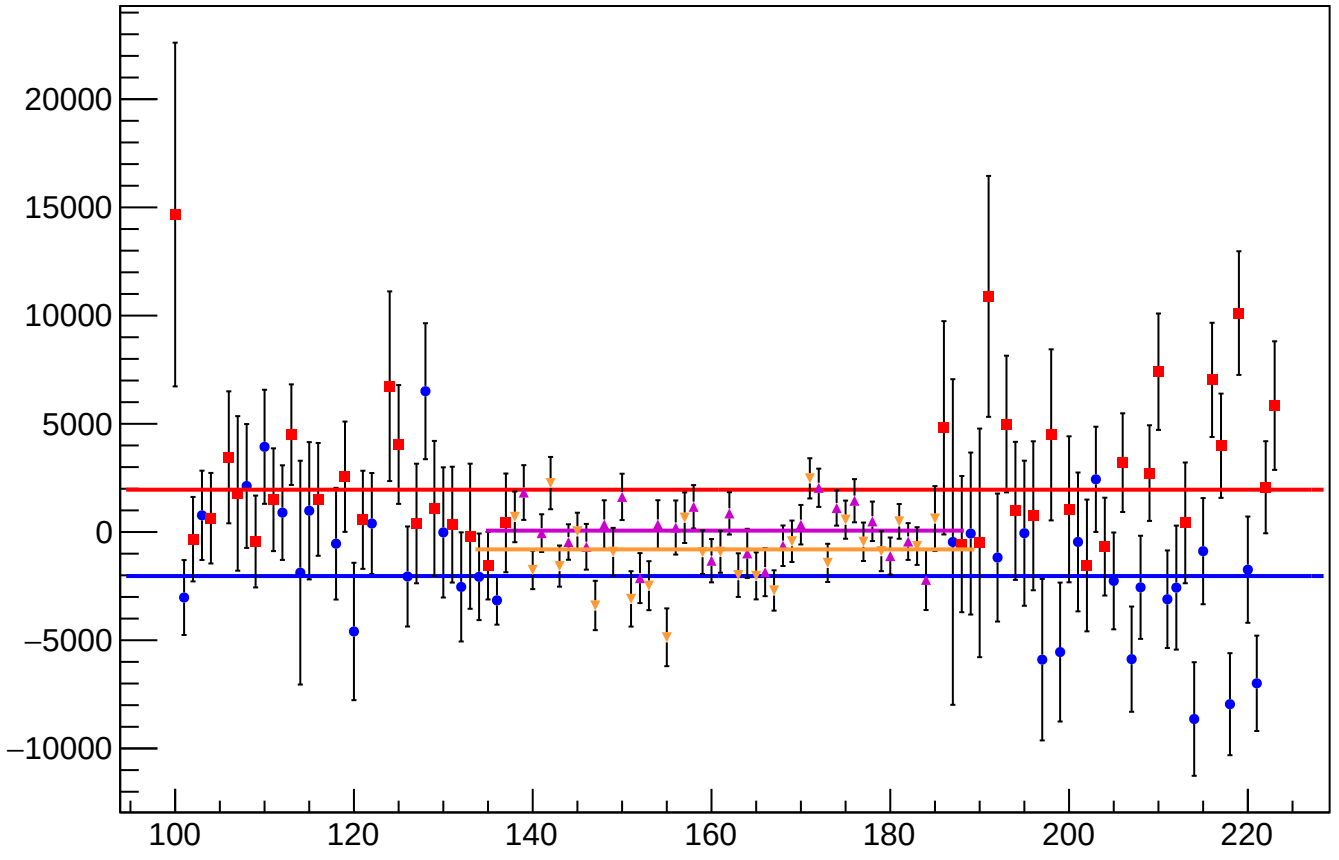
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 112.346+/-0.012 χ^2/NDF: 2437444.7/72

In: 99.607+/-0.011 χ^2/NDF:2348188.4/56

Out: 100.791+/-0.011 χ^2/NDF:3202012.6/63

All: 100.203+/-0.008 χ^2/NDF: 5555713.8/120



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

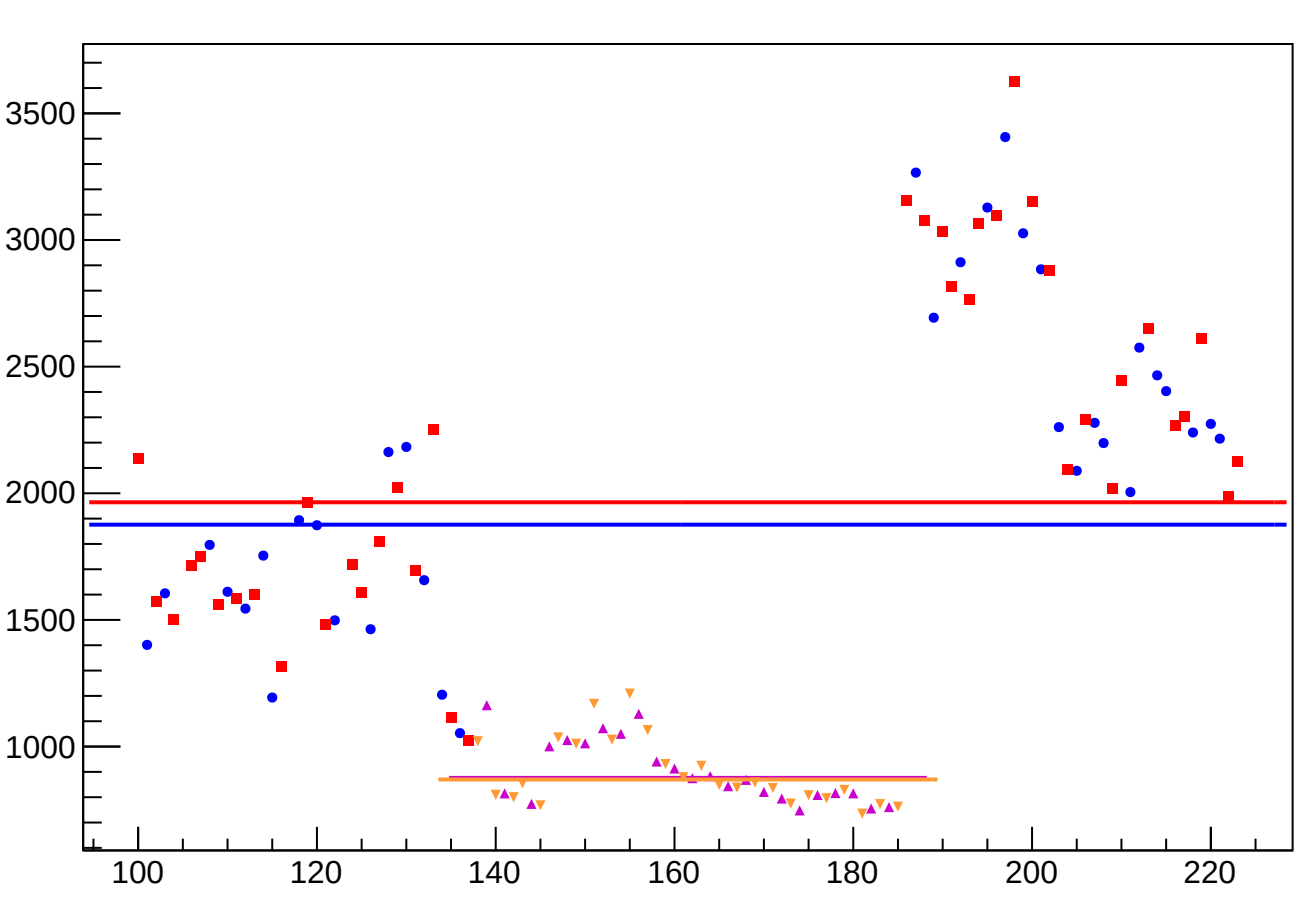
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -86.298+/-300.423 χ^2/NDF: 137.7/72

In: -344.140+/-185.436 χ^2/NDF:101.3/56

Out: -312.501+/-181.230 χ^2/NDF:135.4/63

All: -327.958+/-129.610 χ^2/NDF: 236.7/120



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

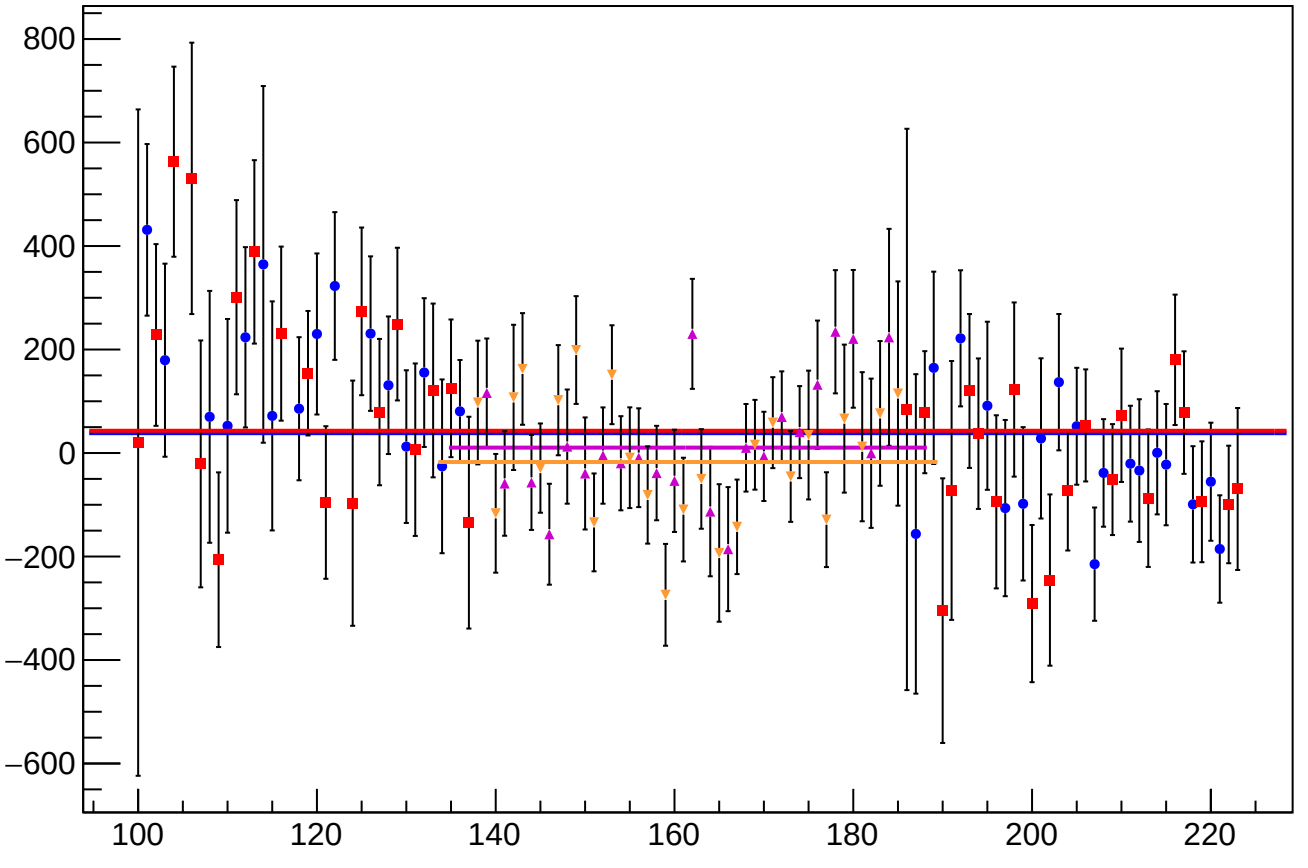
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

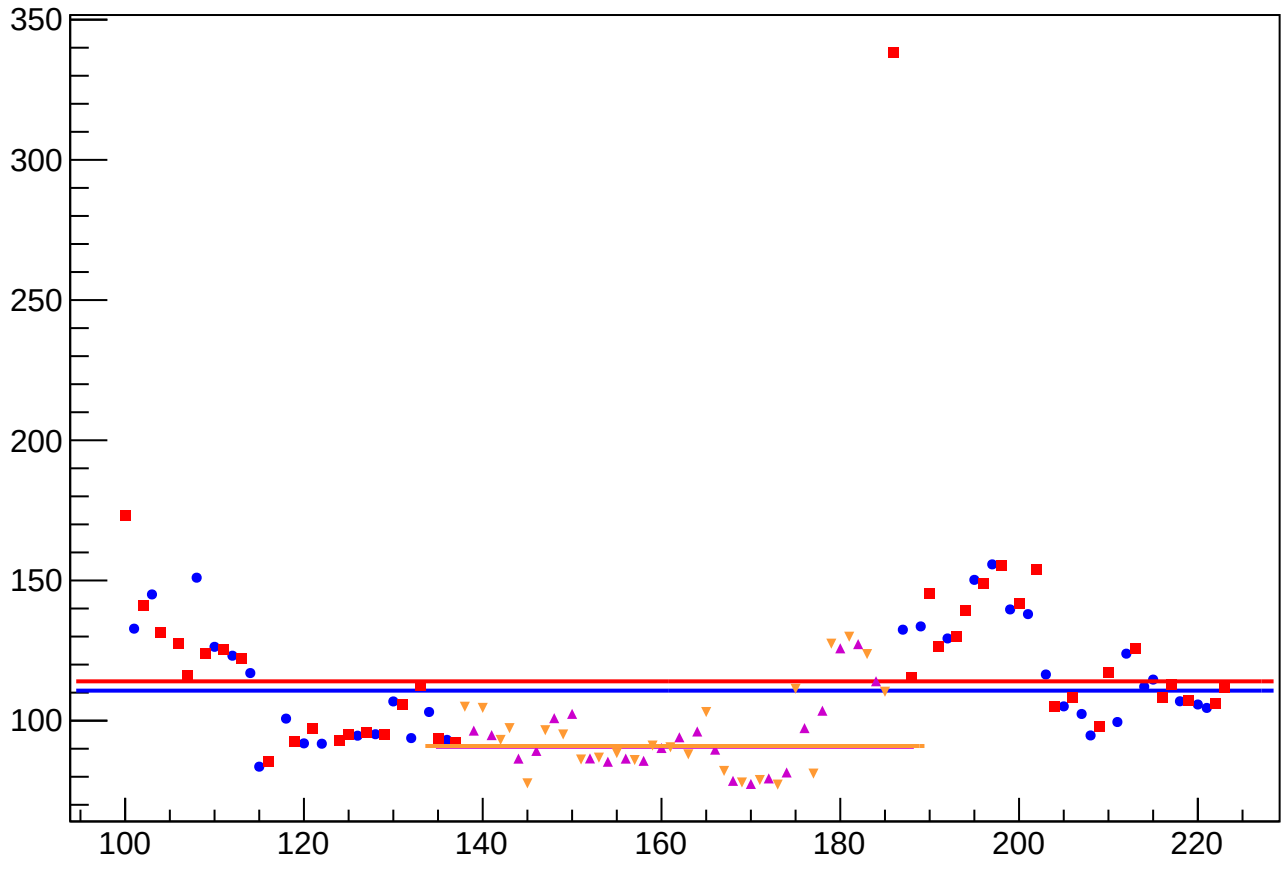
Right: 1919.245+/-0.212 χ^2/NDF: 7834889.1/72

In: 1071.230+/-0.131 χ^2/NDF:13647403.5/56

Out: 1064.455+/-0.128 χ^2/NDF:15171942.3/63

All: 1067.765+/-0.092 χ^2/NDF: 28820711.0/1


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
120
140
160
180
200
220
Right In: 38.365+/-23.999 χ²/NDF: 35.7/33
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 43.005+/-24.361 χ²/NDF: 48.0/38
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 40.650+/-17.096 χ²/NDF: 83.8/72
In: 22.860+/-16.015 χ²/NDF:59.1/56
Out: 8.358+/-15.900 χ²/NDF:82.8/63
All: 15.557+/-11.283 χ²/NDF: 142.3/120



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

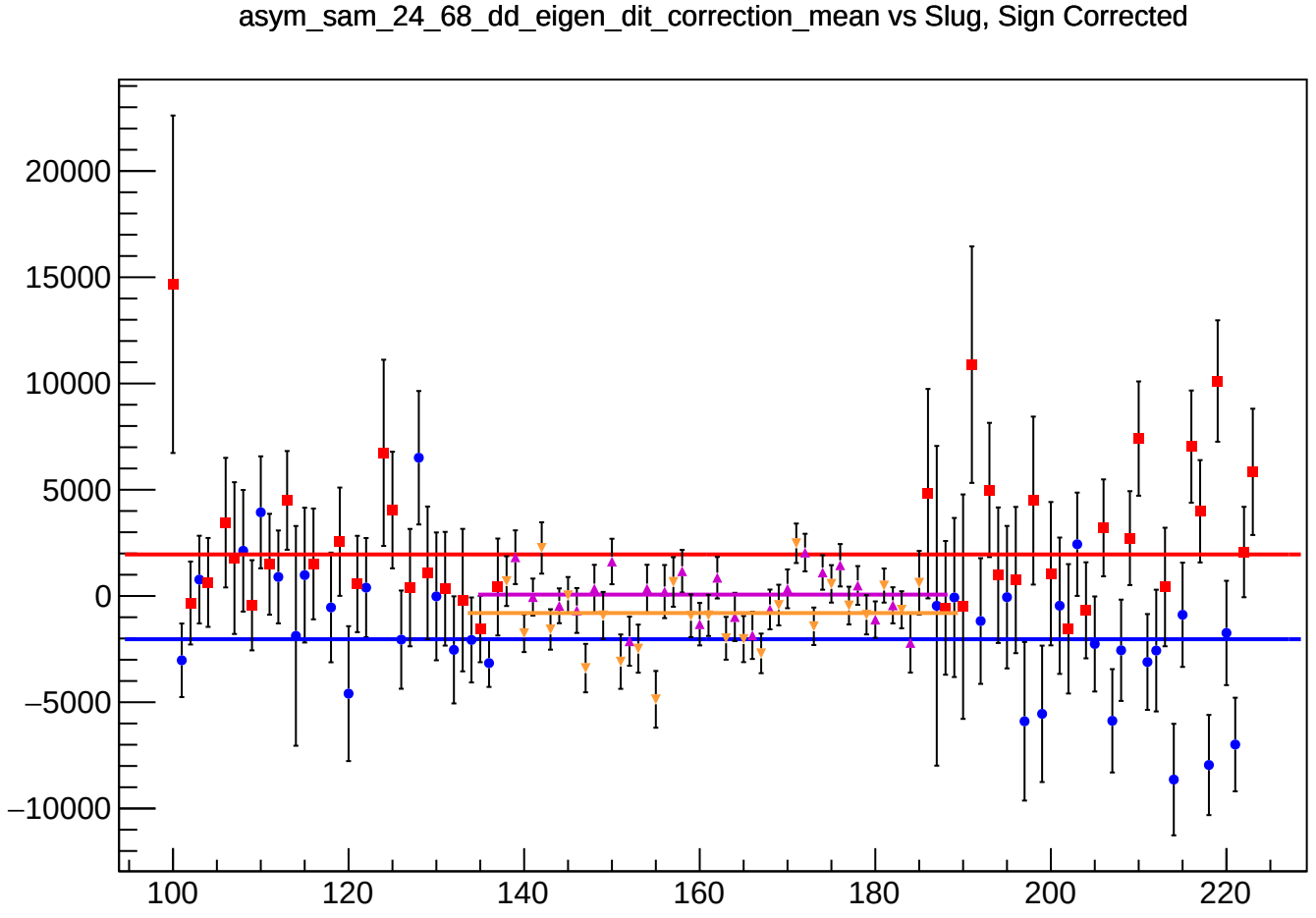
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 112.346+/-0.012 χ^2/NDF: 2437481.8/72

In: 99.606+/-0.011 χ^2/NDF:2348157.2/56

Out: 100.791+/-0.011 χ^2/NDF:3201996.1/63

All: 100.203+/-0.008 χ^2/NDF: 5555667.6/120



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

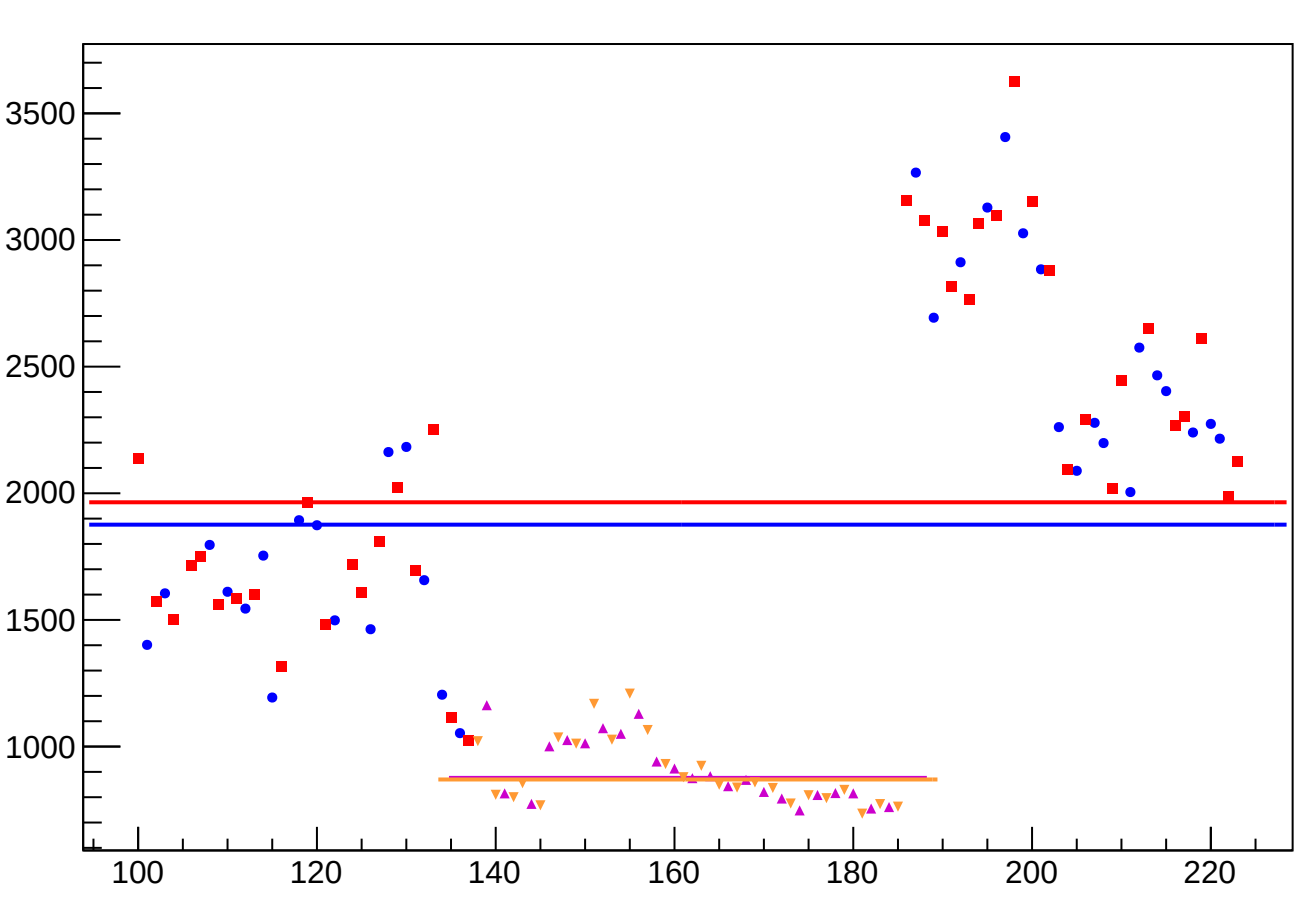
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -86.298+/-300.423 χ^2/NDF: 137.7/72

In: -344.139+/-185.436 χ^2/NDF:101.3/56

Out: -312.501+/-181.230 χ^2/NDF:135.4/63

All: -327.957+/-129.610 χ^2/NDF: 236.7/120



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

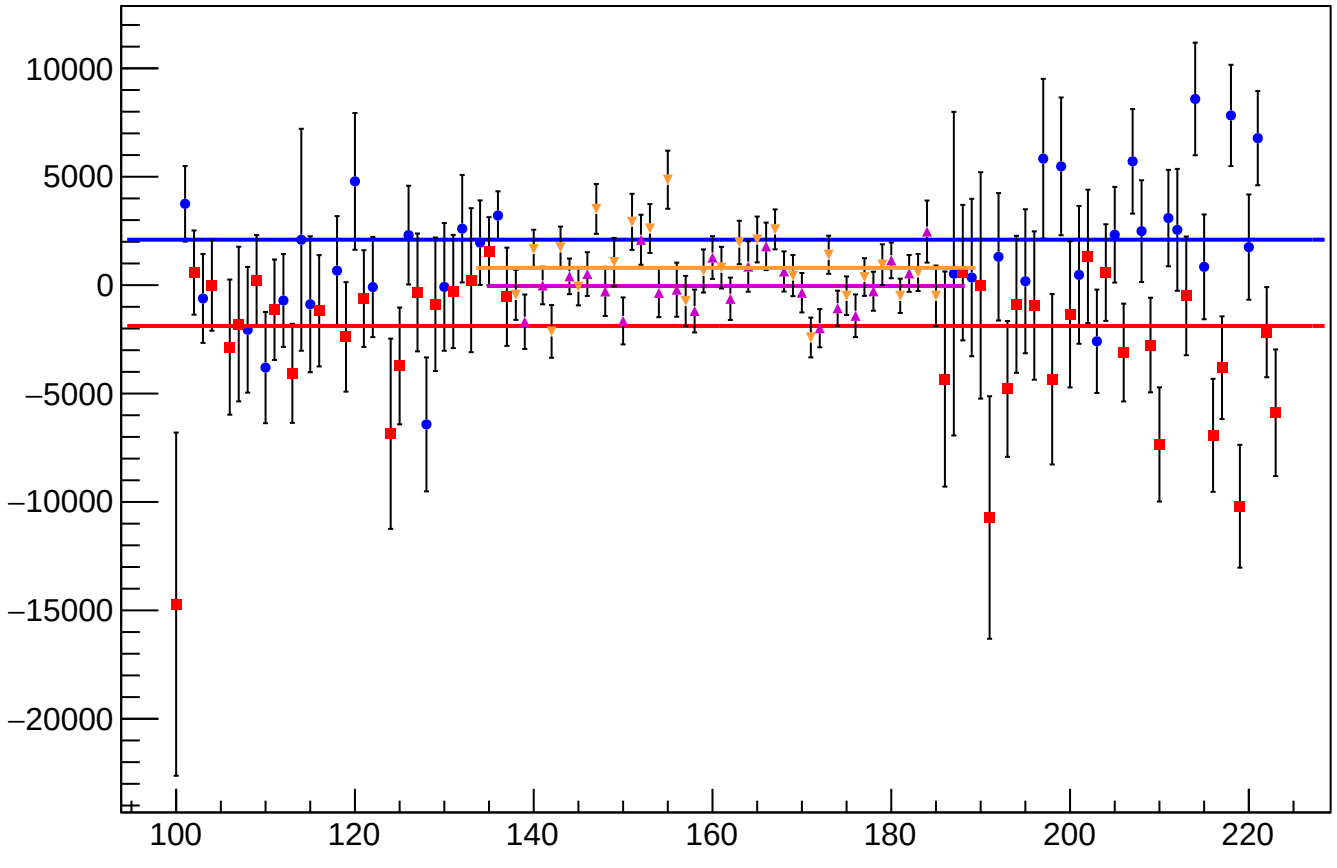
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1919.242+/-0.212 χ^2/NDF: 7834913.2/72

In: 1071.229+/-0.131 χ^2/NDF:13647402.8/56

Out: 1064.455+/-0.128 χ^2/NDF:15171944.2/63

All: 1067.764+/-0.092 χ^2/NDF: 28820712.2/



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

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

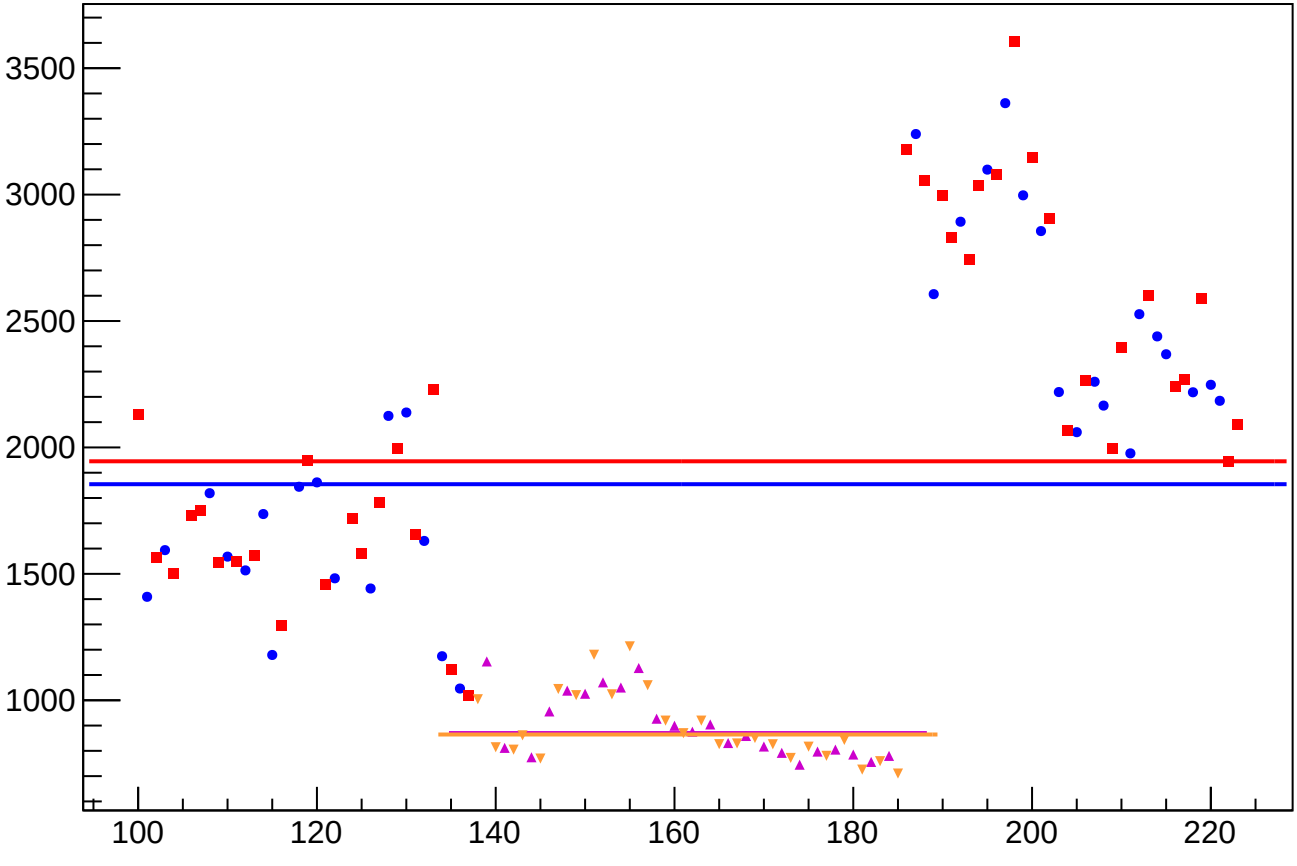
Right: 158.578+/-297.204 χ^2/NDF: 138.1/72

In: 380.471+/-184.053 χ^2/NDF:101.5/56

Out: 316.994+/-180.135 χ^2/NDF:132.6/63

All: 348.049+/-128.738 χ^2/NDF: 234.1/120

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

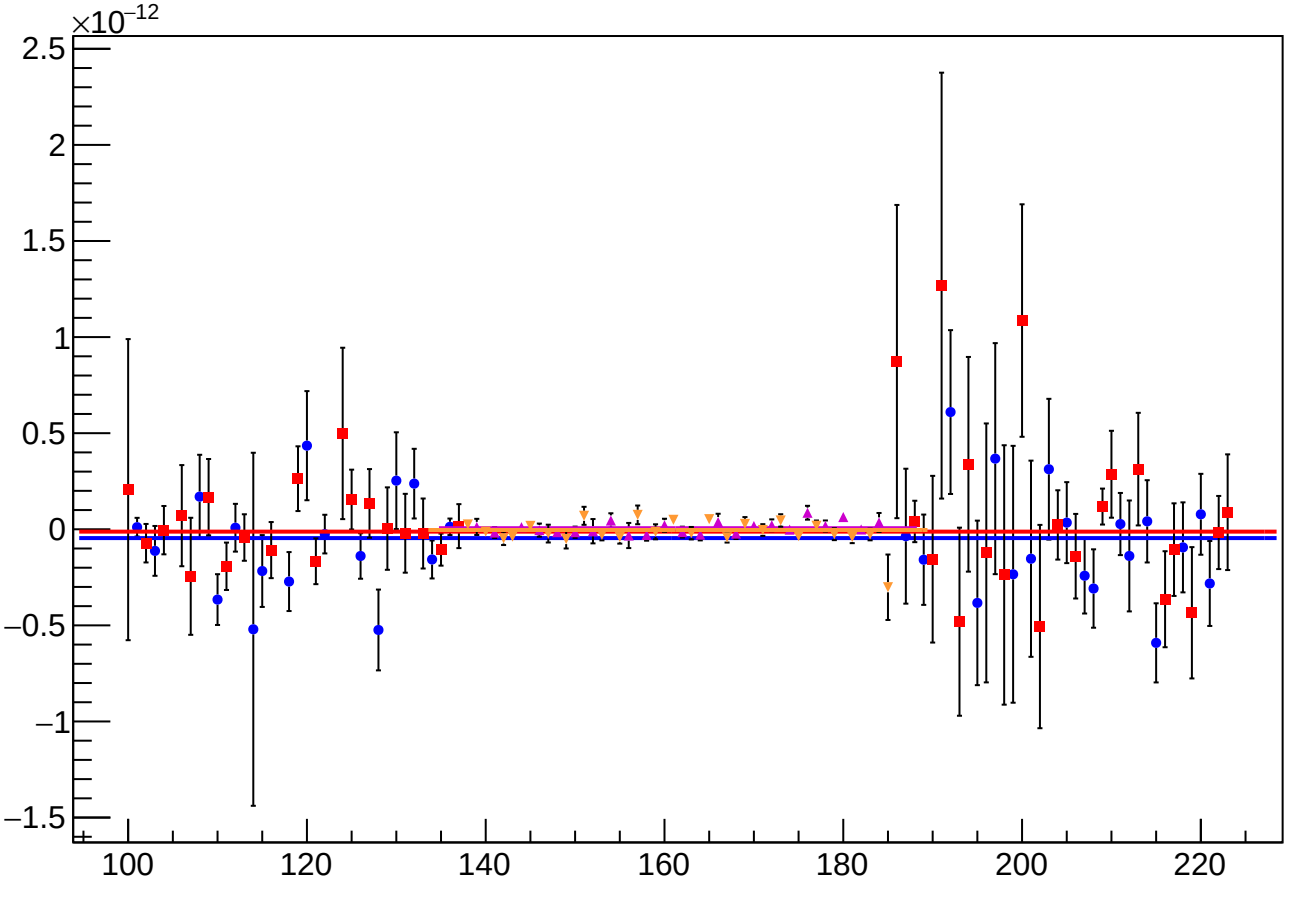
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1898.733+/-0.210 χ^2/NDF: 7792468.6/72

In: 1063.906+/-0.130 χ^2/NDF:13526696.2/56

Out: 1058.036+/-0.127 χ^2/NDF:15123724.5/63

All: 1060.908+/-0.091 χ^2/NDF: 28651459.7/1



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

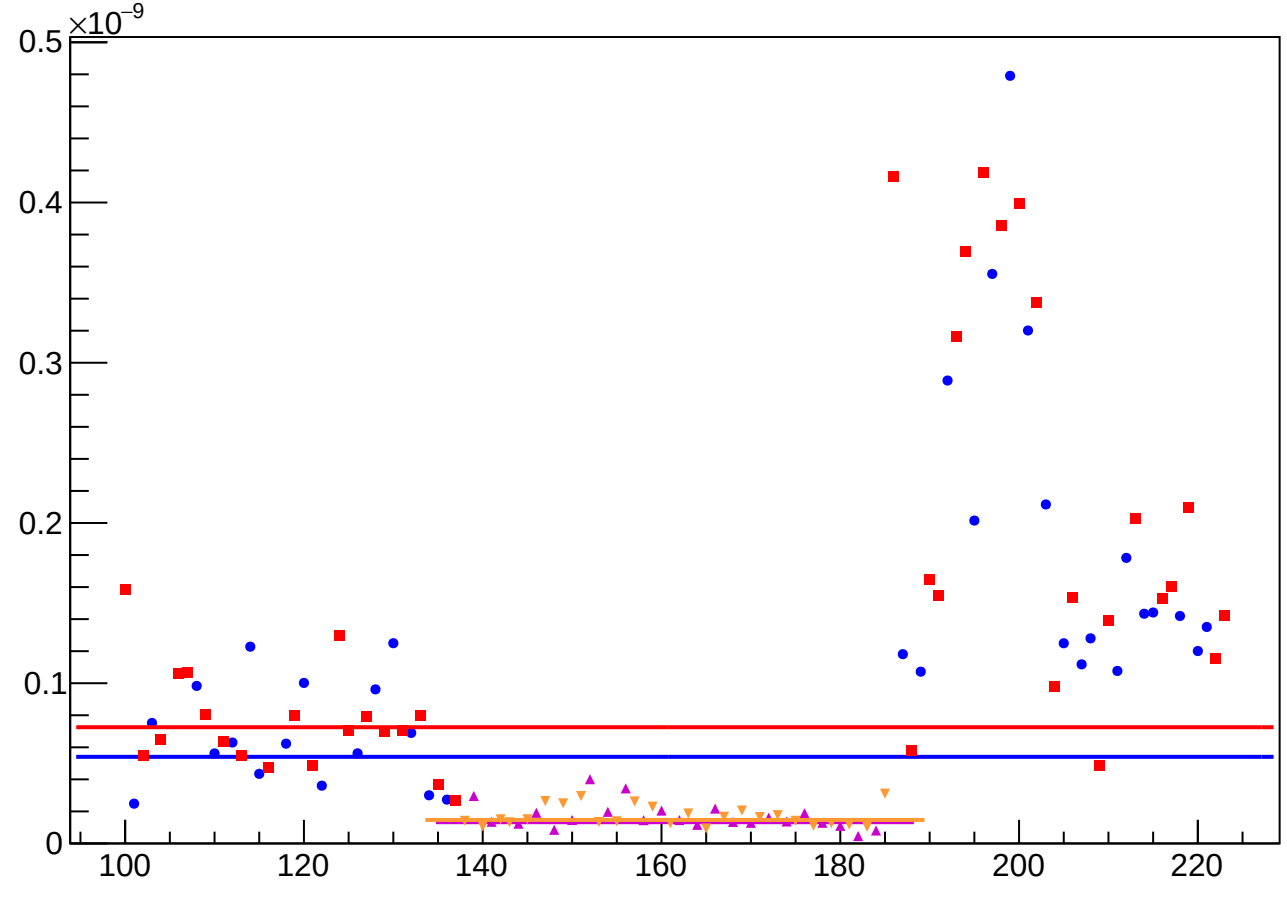
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 76.0/72

In: 0.000+/-0.000 χ^2/NDF:69.5/56

Out: -0.000+/-0.000 χ^2/NDF:69.8/63

All: -0.000+/-0.000 χ^2/NDF: 139.9/120



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

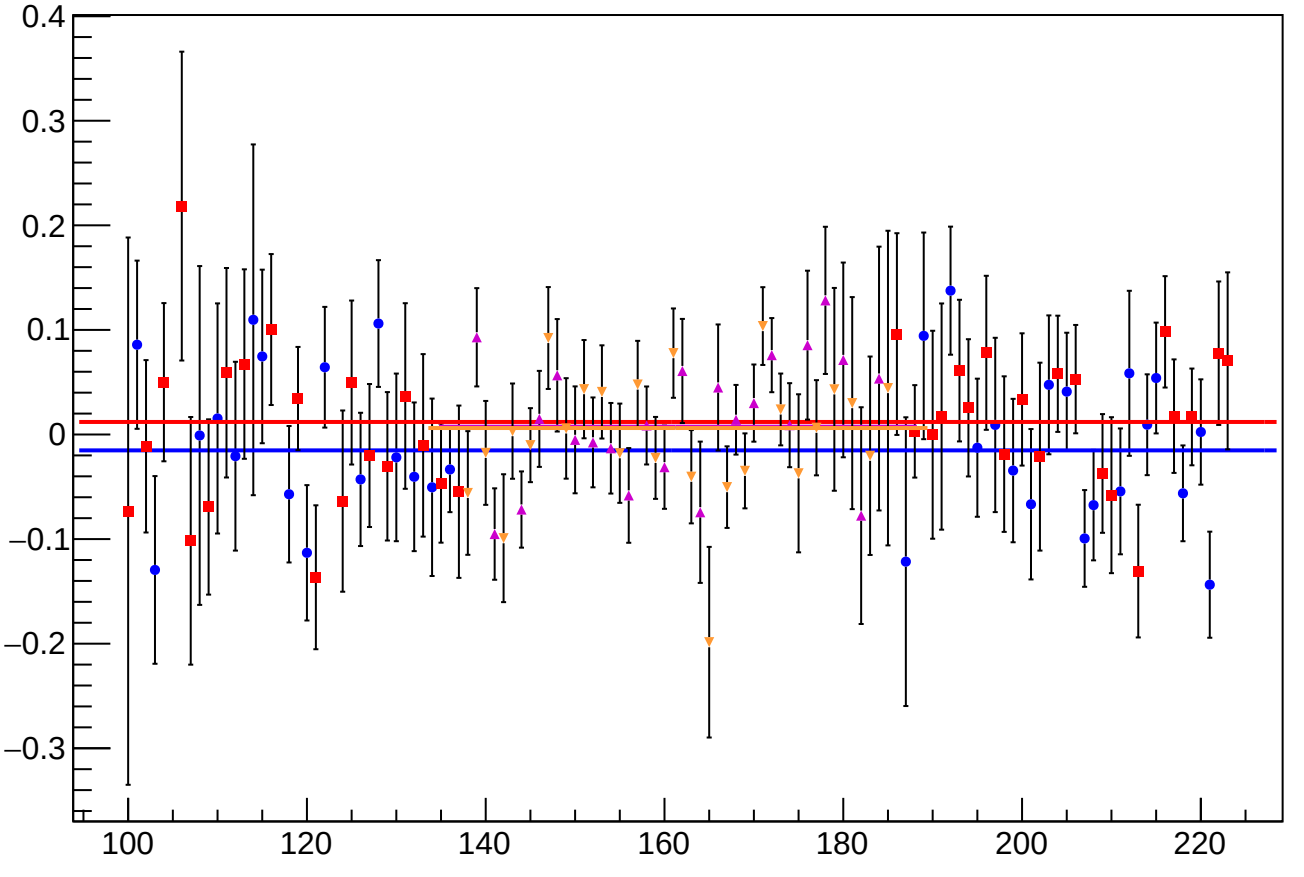
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15336137.9/72

In: 0.000+/-0.000 χ^2/NDF:15945442.8/56

Out: 0.000+/-0.000 χ^2/NDF:15875624.4/63

All: 0.000+/-0.000 χ^2/NDF: 31873164.7/120



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

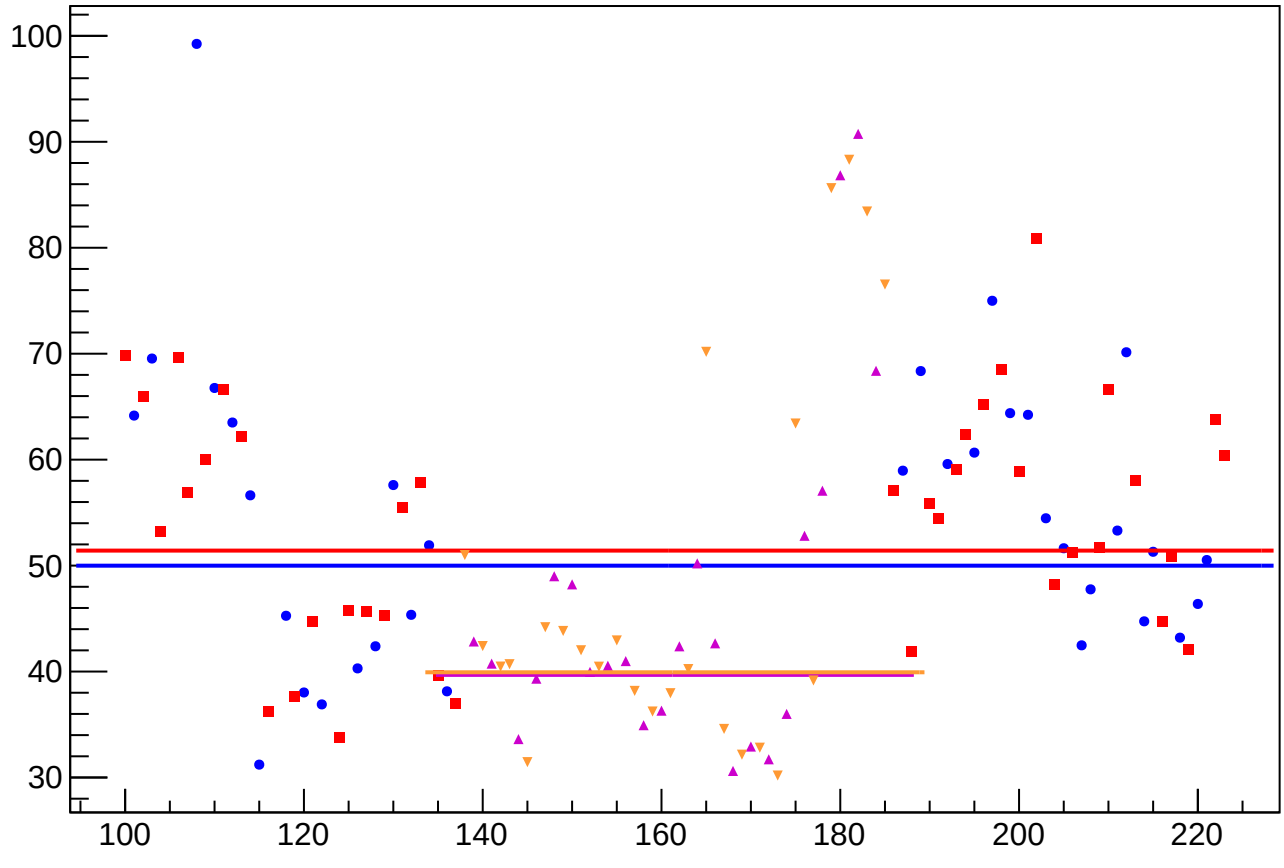
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.002+/-0.008 χ^2/NDF: 72.1/72

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.009+/-0.007 χ^2/NDF:60.3/63

All: 0.003+/-0.005 χ^2/NDF: 134.0/120



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

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

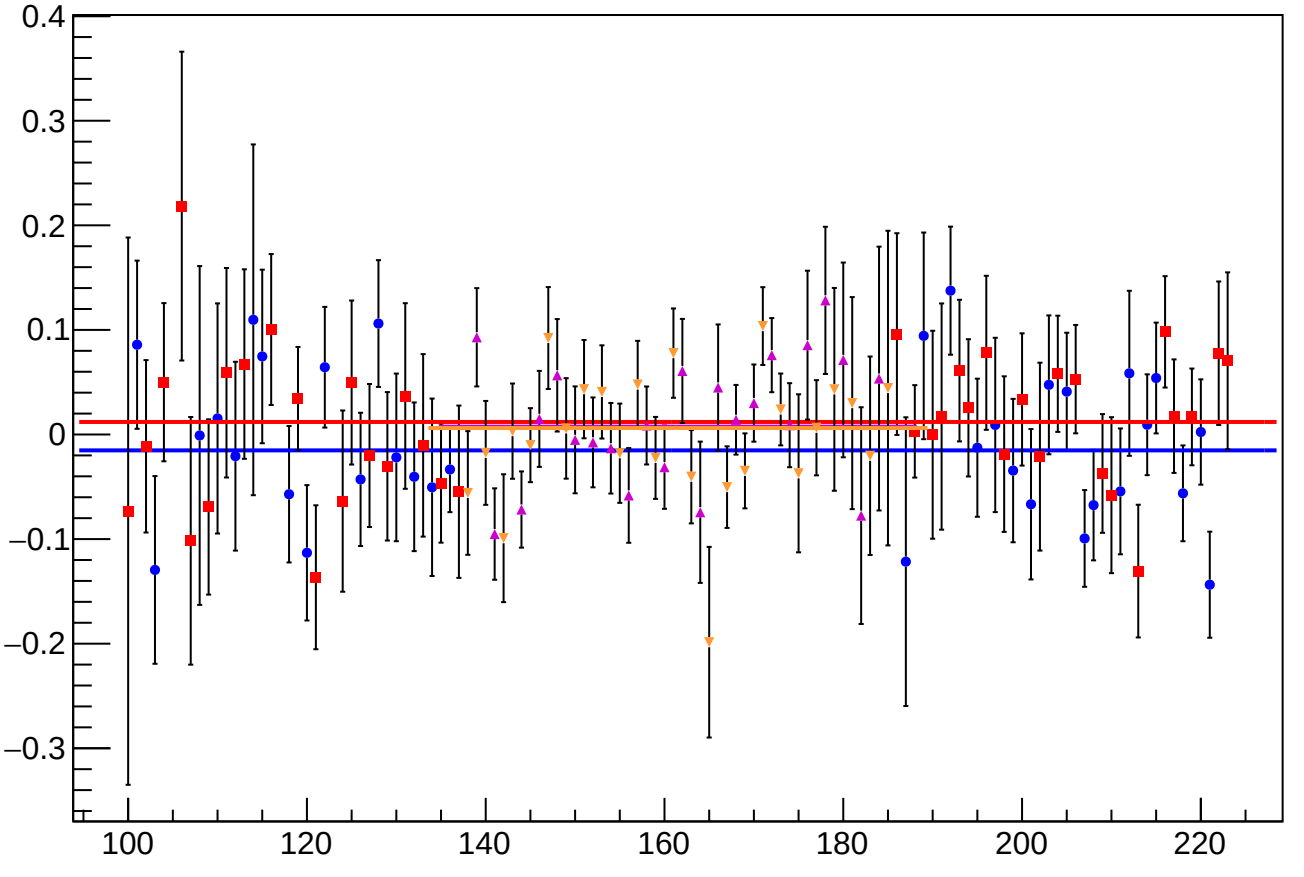
Right: 50.698+/-0.006 χ^2/NDF: 3487639.5/72

In: 44.196+/-0.005 χ^2/NDF:4692501.8/56

Out: 44.787+/-0.005 χ^2/NDF:5360965.2/63

All: 44.494+/-0.004 χ^2/NDF: 10060033.5/120

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

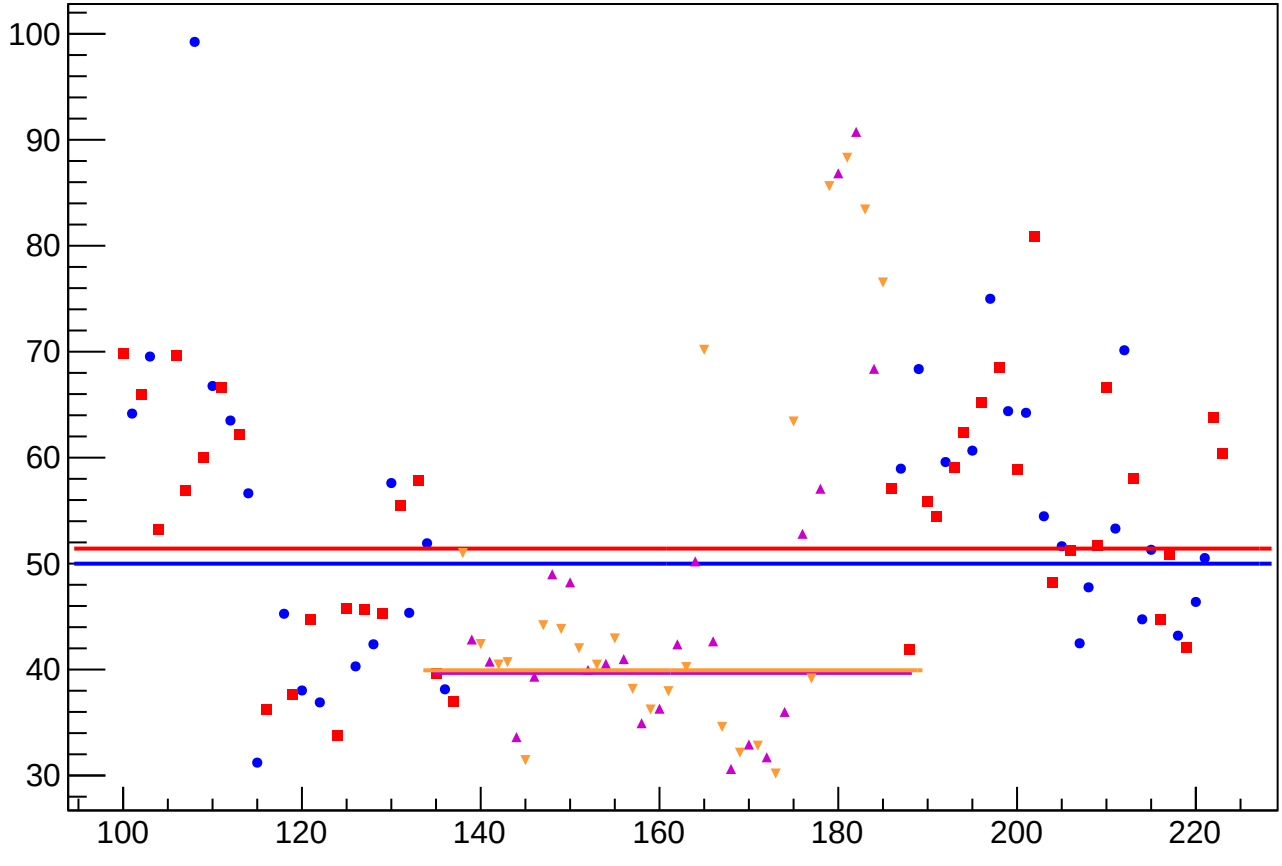
Right: -0.002+/-0.008 χ^2/NDF: 72.1/72

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.009+/-0.007 χ^2/NDF:60.3/63

All: 0.003+/-0.005 χ^2/NDF: 134.0/120

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

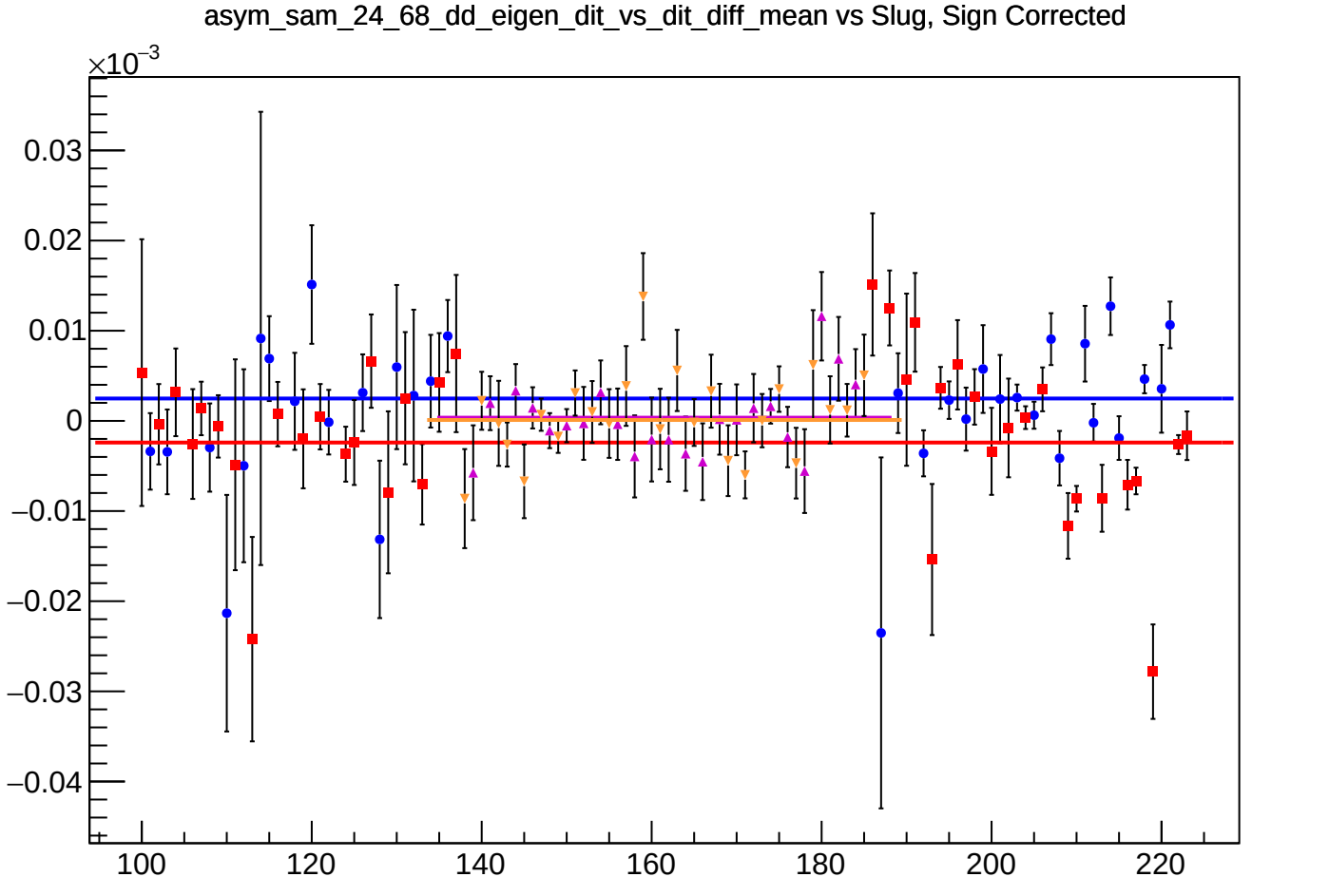
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.698+/-0.006 χ^2/NDF: 3487639.5/72

In: 44.196+/-0.005 χ^2/NDF:4692501.8/56

Out: 44.787+/-0.005 χ^2/NDF:5360965.2/63

All: 44.494+/-0.004 χ^2/NDF: 10060033.5/120



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

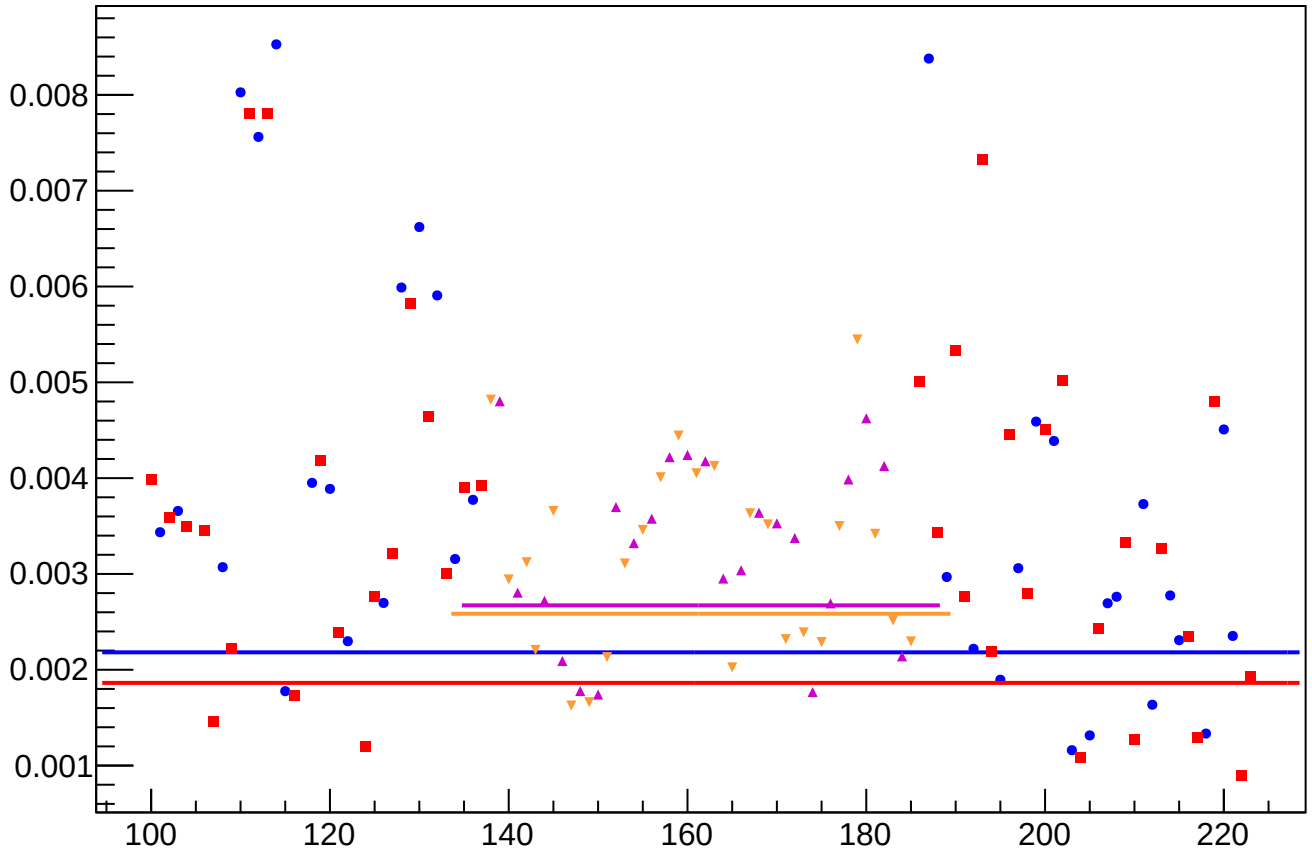
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: -0.000+/-0.000 χ^2/NDF: 246.1/72

In: 0.000+/-0.000 χ^2/NDF:94.2/56

Out: -0.000+/-0.000 χ^2/NDF:173.7/63

All: -0.000+/-0.000 χ^2/NDF: 298.9/120



Right In: 0.002+/-0.000 χ^2/NDF: 8078530.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12063746.7/38

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

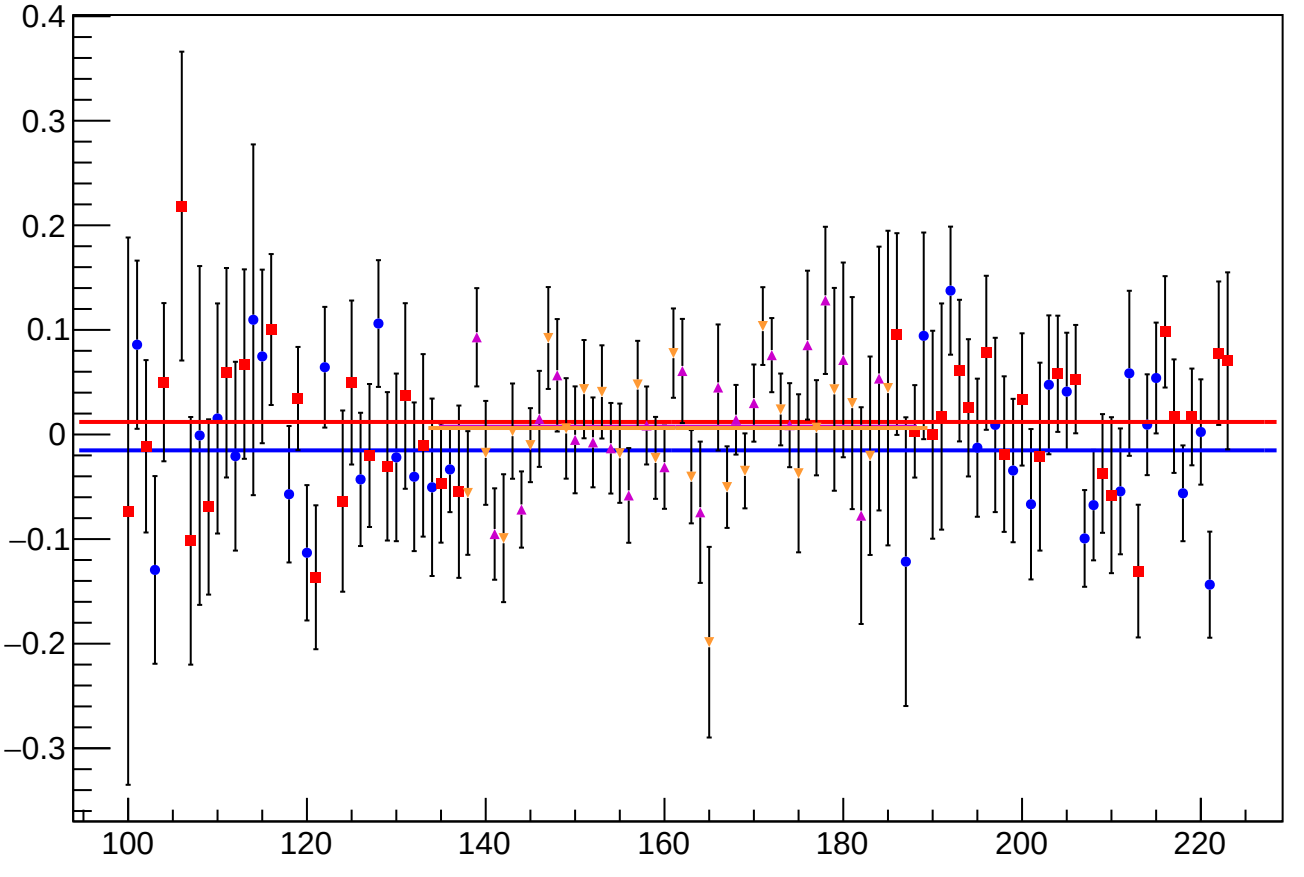
Right: 0.002+/-0.000 χ^2/NDF: 20539078.5/72

In: 0.002+/-0.000 χ^2/NDF:12554360.4/56

Out: 0.002+/-0.000 χ^2/NDF:17649833.3/63

All: 0.002+/-0.000 χ^2/NDF: 30599995.6/120

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

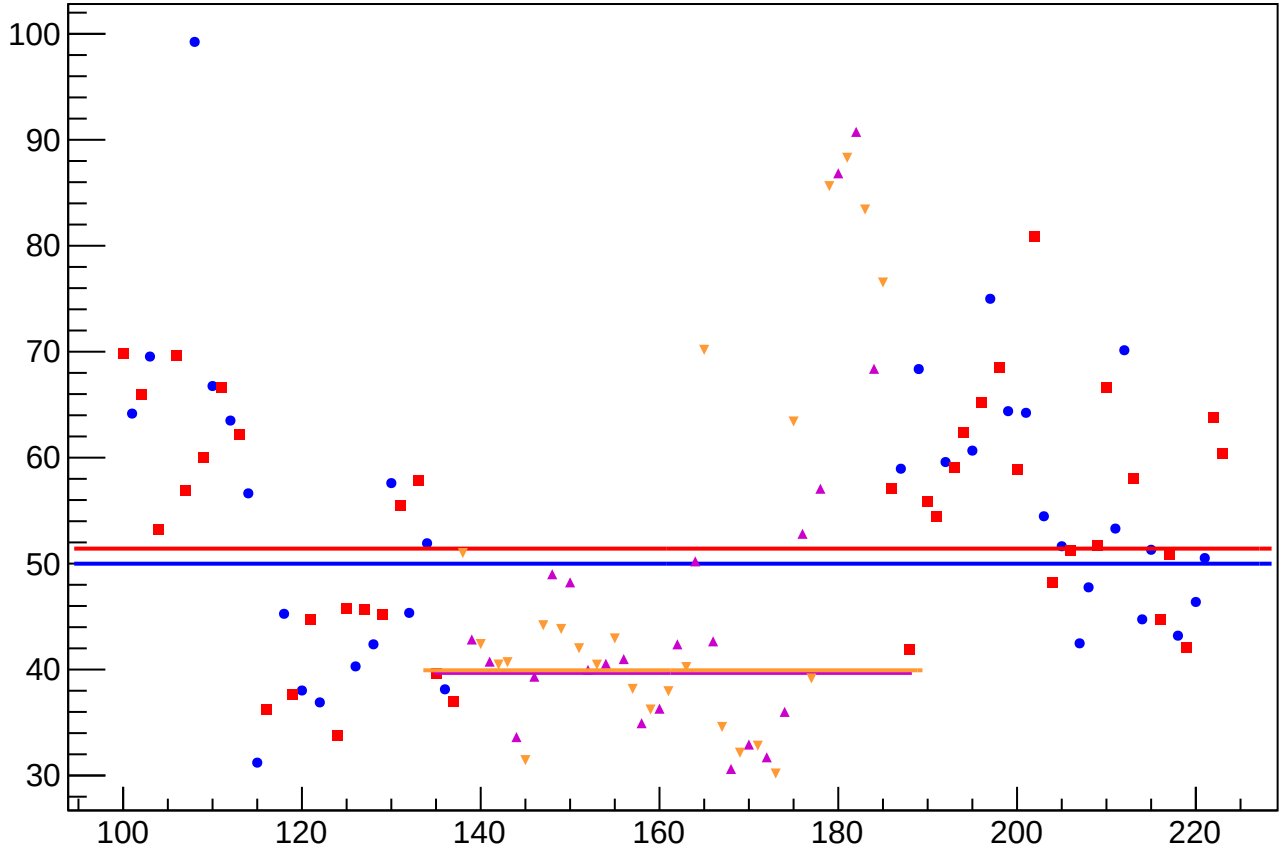
Right: -0.002+/-0.008 χ^2/NDF: 72.1/72

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.009+/-0.007 χ^2/NDF:60.3/63

All: 0.003+/-0.005 χ^2/NDF: 134.0/120

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

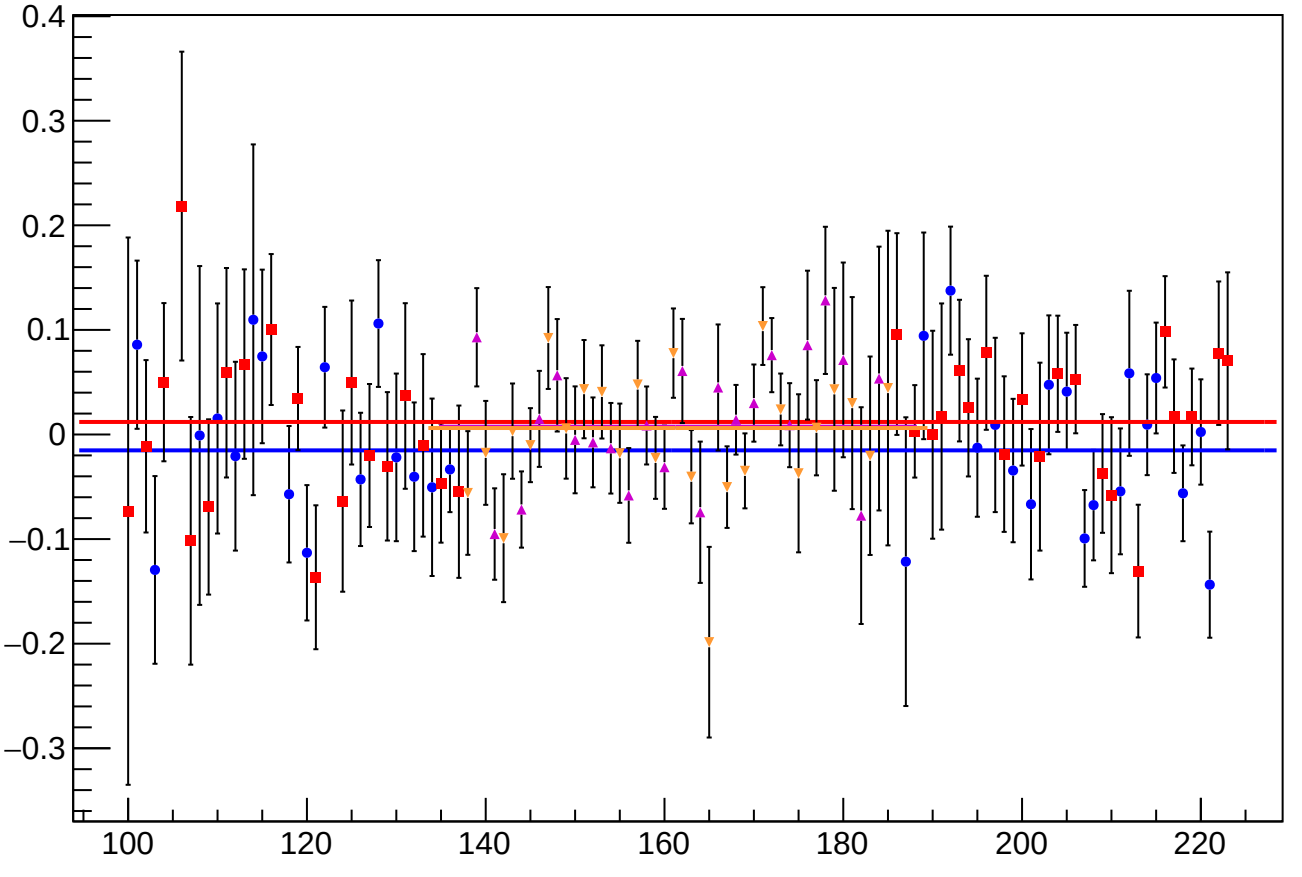
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.697+/-0.006 χ^2/NDF: 3487809.3/72

In: 44.195+/-0.005 χ^2/NDF:4692453.3/56

Out: 44.787+/-0.005 χ^2/NDF:5360916.5/63

All: 44.493+/-0.004 χ^2/NDF: 10059944.5/120



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

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

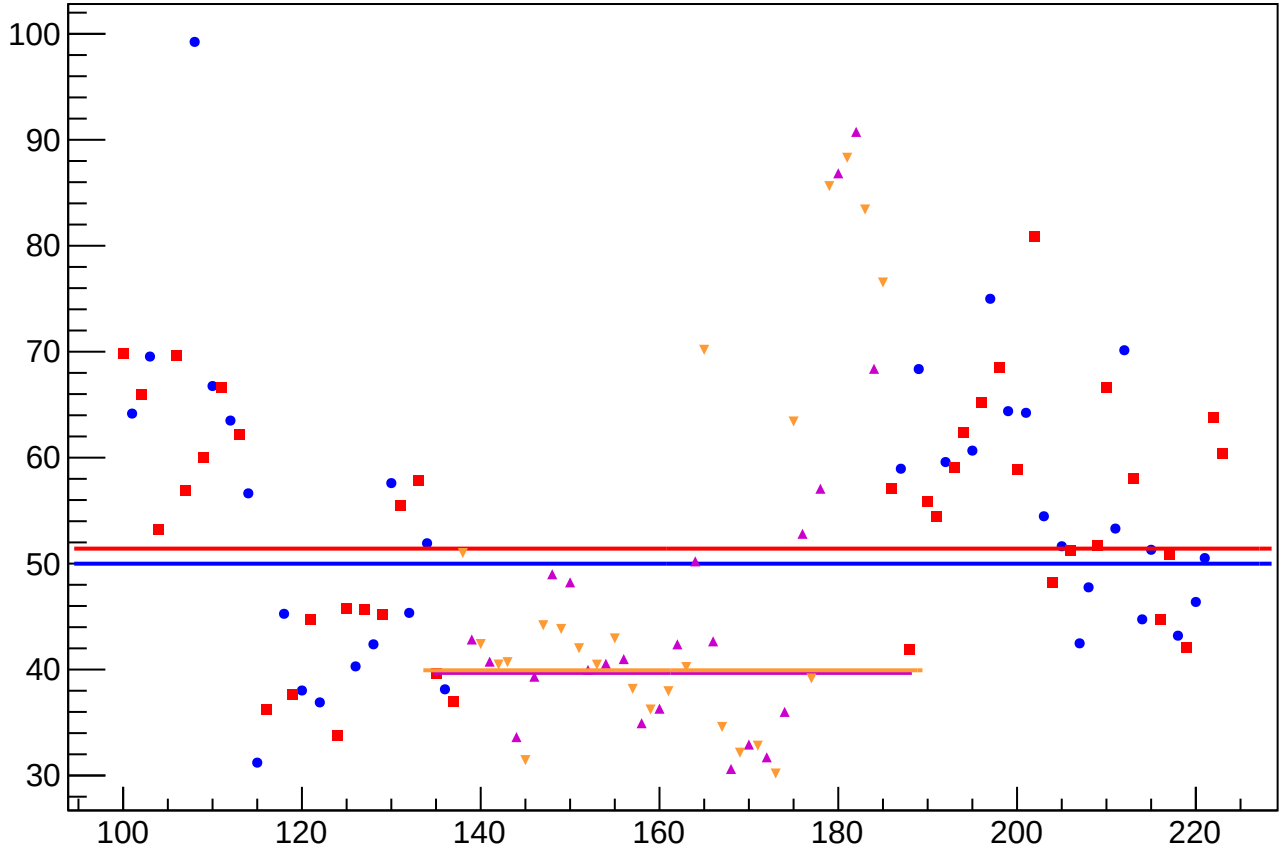
Right: -0.002+/-0.008 χ^2/NDF: 72.1/72

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.009+/-0.007 χ^2/NDF:60.3/63

All: 0.003+/-0.005 χ^2/NDF: 134.0/120

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

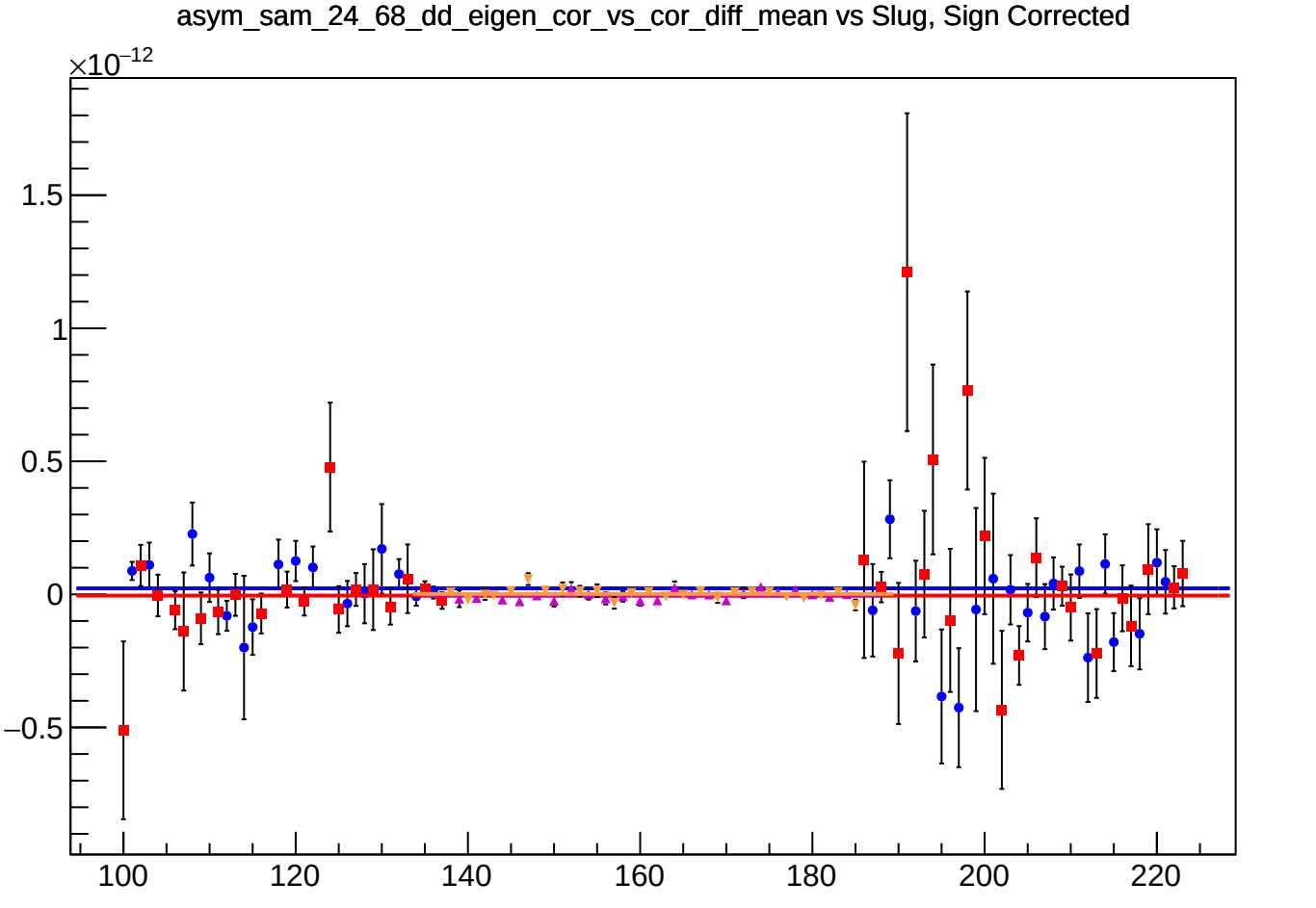
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.697+/-0.006 χ^2/NDF: 3487809.3/72

In: 44.195+/-0.005 χ^2/NDF:4692453.3/56

Out: 44.787+/-0.005 χ^2/NDF:5360916.5/63

All: 44.493+/-0.004 χ^2/NDF: 10059944.5/120



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

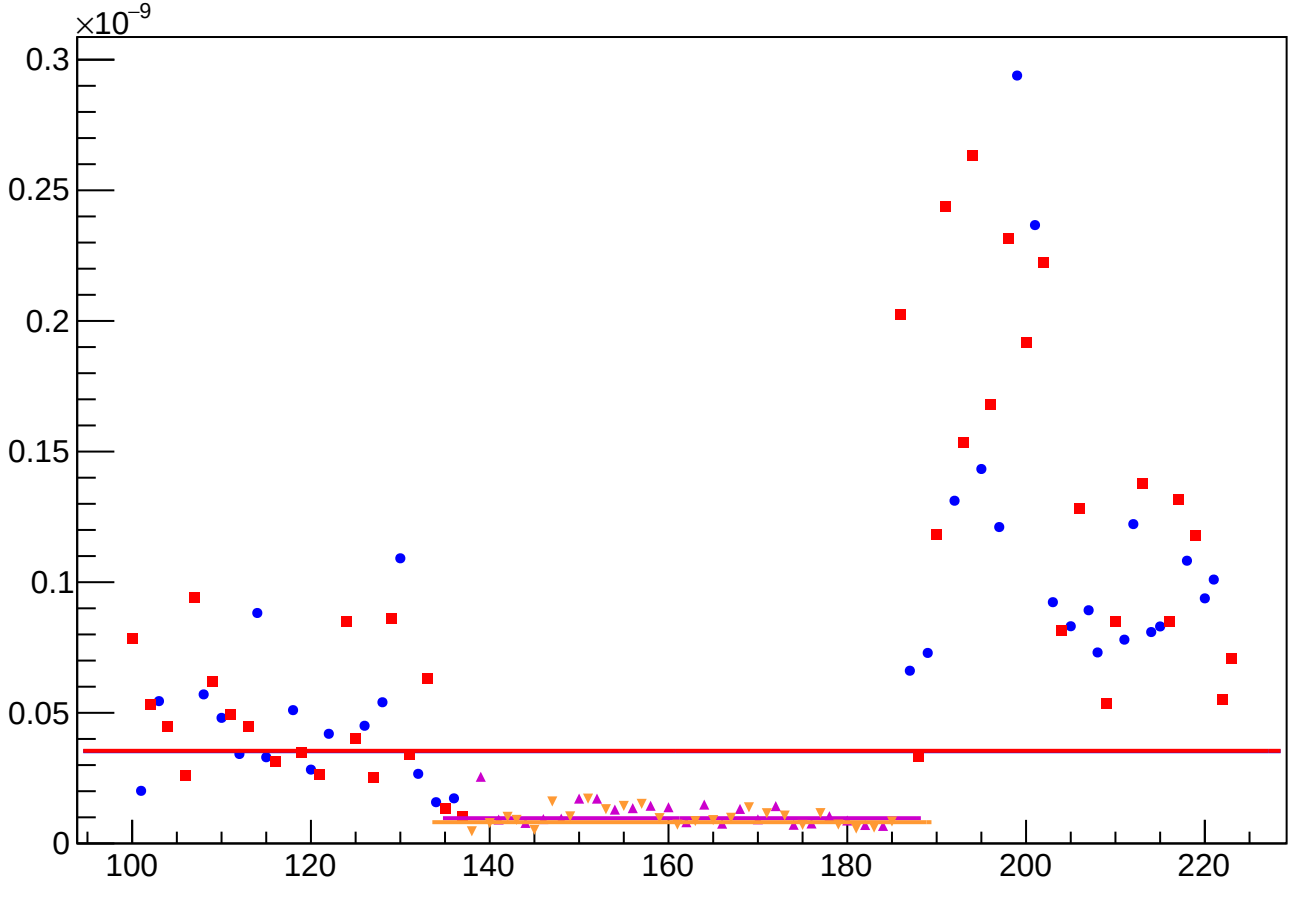
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 81.9/72

In: -0.000+/-0.000 χ^2/NDF:73.9/56

Out: 0.000+/-0.000 χ^2/NDF:65.7/63

All: -0.000+/-0.000 χ^2/NDF: 140.6/120



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

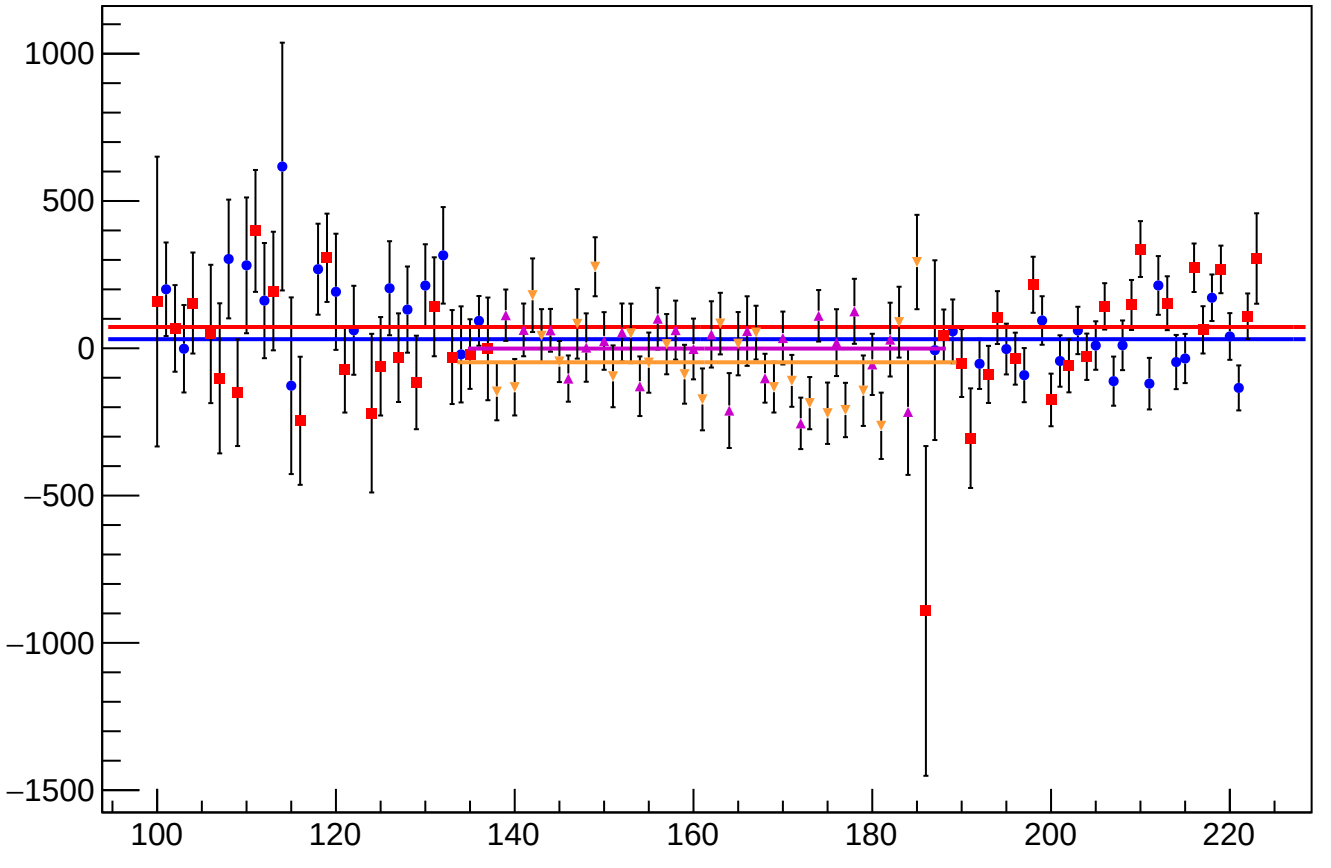
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 23526639.5/72

In: 0.000+/-0.000 χ^2/NDF:21123874.4/56

Out: 0.000+/-0.000 χ^2/NDF:23515782.2/63

All: 0.000+/-0.000 χ^2/NDF: 45120752.3/120



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

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

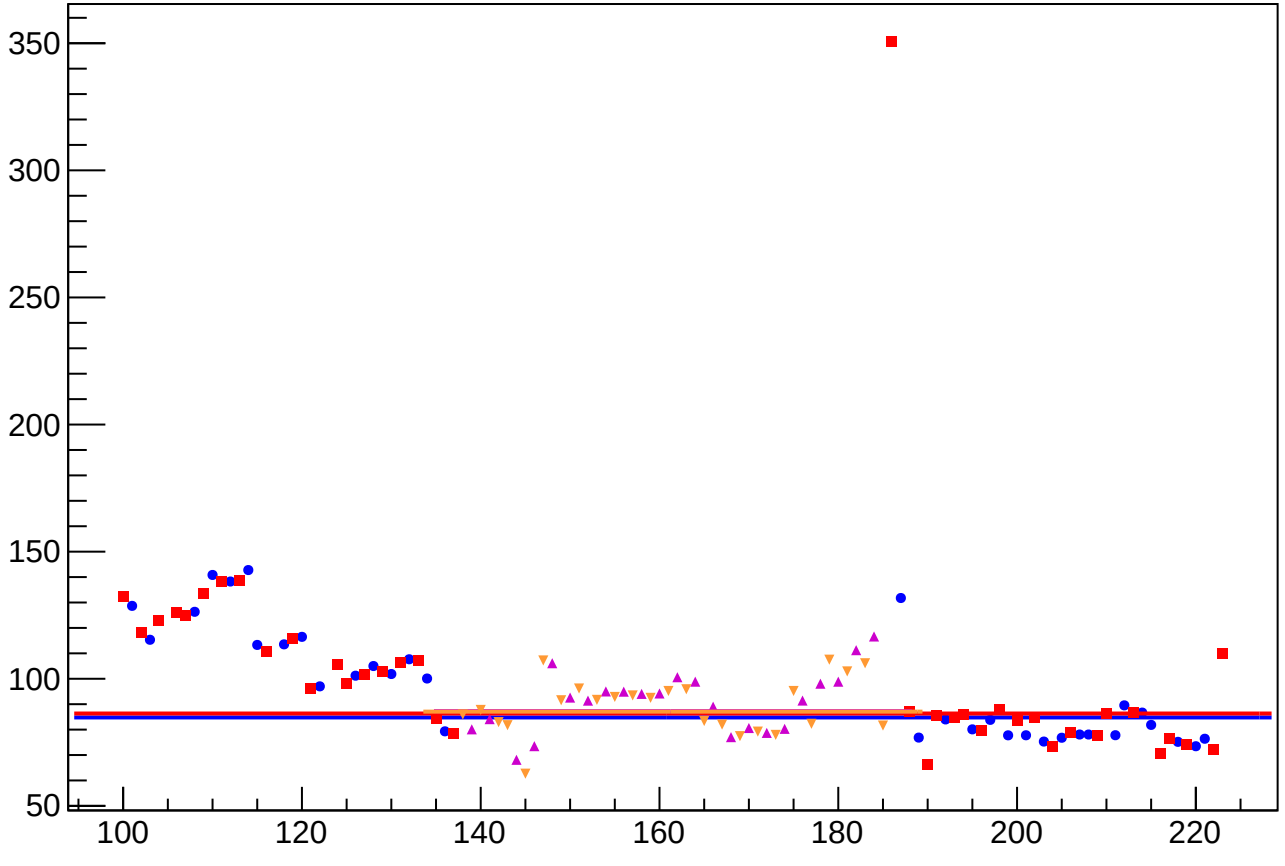
Right: 51.449+/-13.010 χ^2/NDF: 110.0/72

In: 16.792+/-13.703 χ^2/NDF:66.7/56

Out: 17.126+/-13.555 χ^2/NDF:130.9/63

All: 16.961+/-9.637 χ^2/NDF: 197.6/120

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

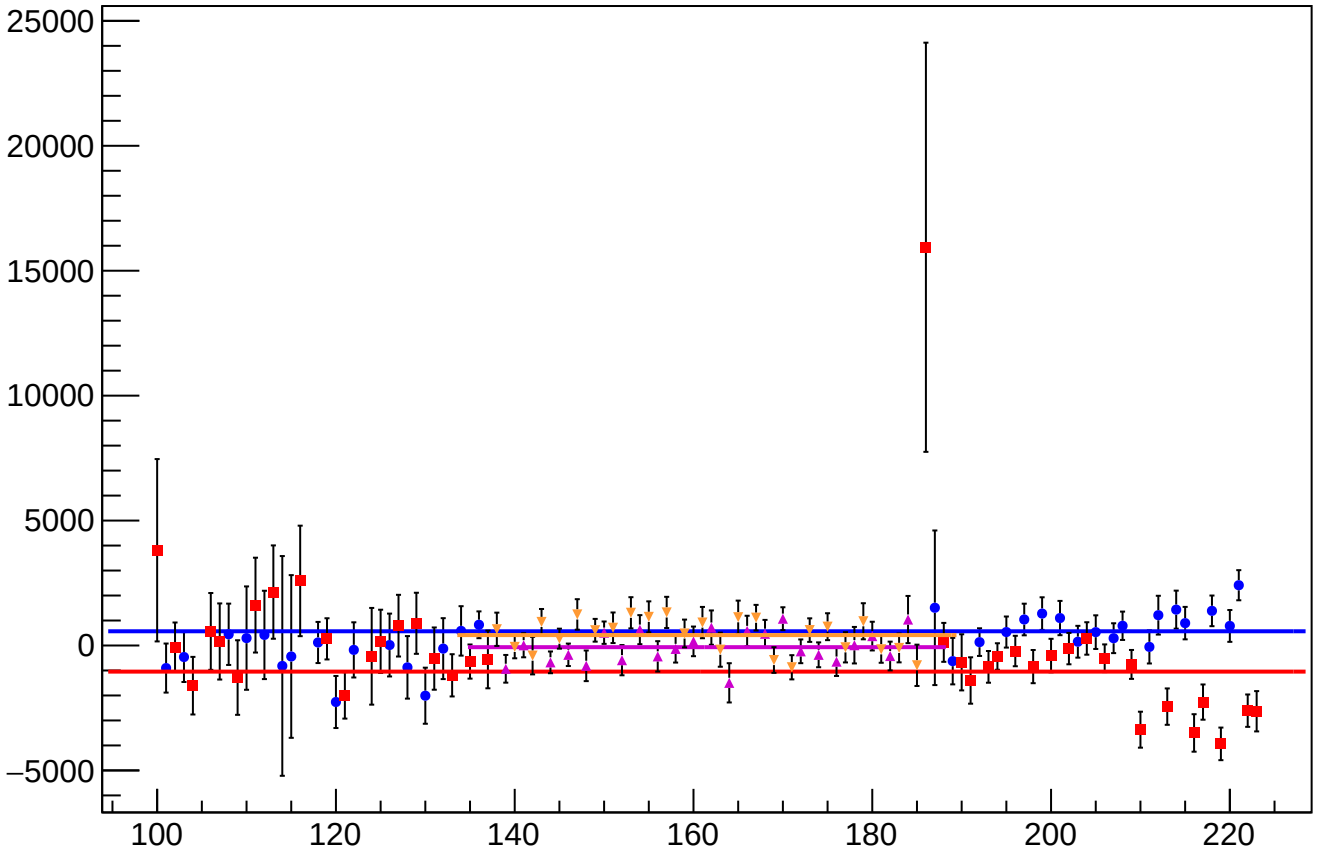
Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

Right: 85.551+/-0.009 χ^2/NDF: 3047353.6/72

In: 85.876+/-0.010 χ^2/NDF:1826027.7/56

Out: 86.672+/-0.010 χ^2/NDF:2448236.2/63

All: 86.278+/-0.007 χ^2/NDF: 4277677.8/120



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

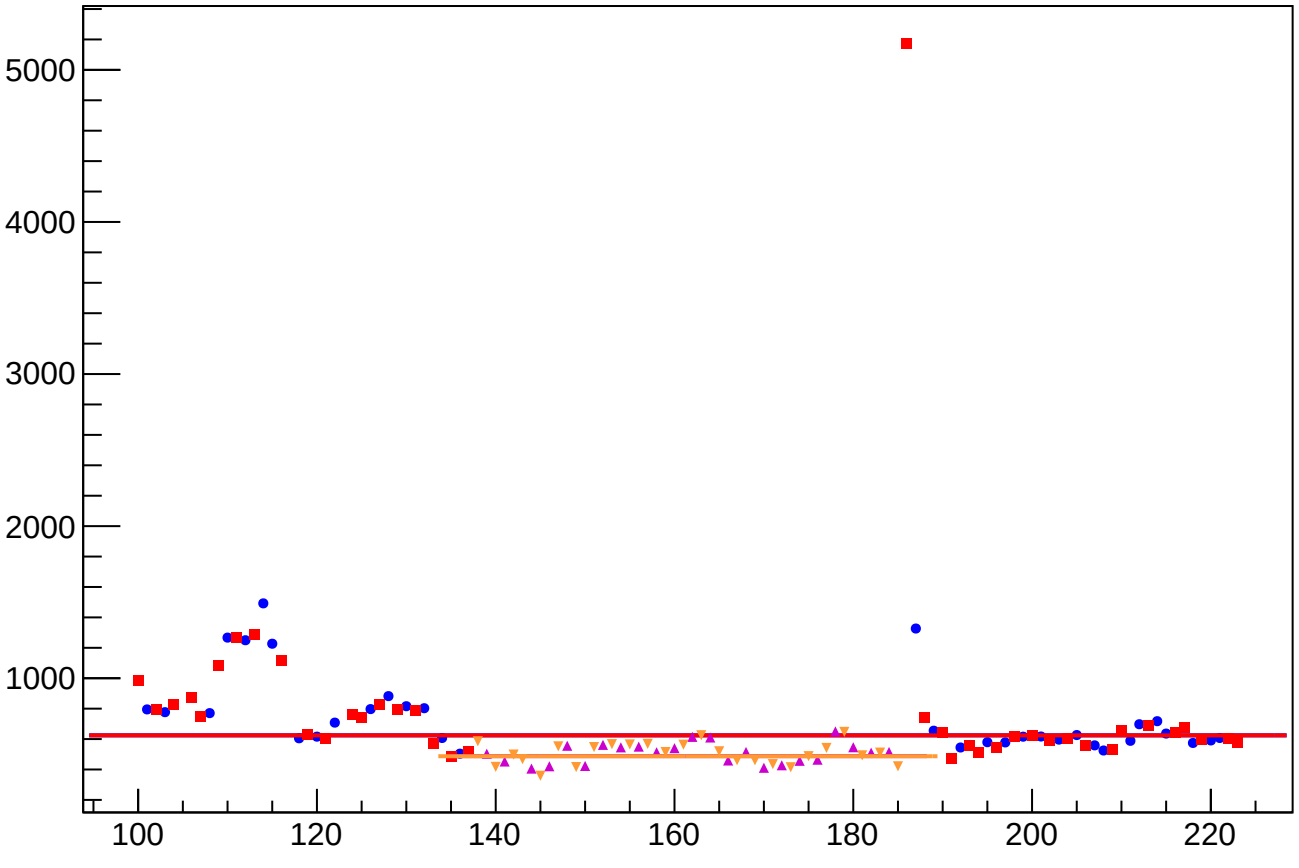
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -246.119+/-95.351 χ^2/NDF: 208.6/72

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -185.972+/-86.129 χ^2/NDF:200.3/63

All: 3.493+/-61.511 χ^2/NDF: 289.3/120



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

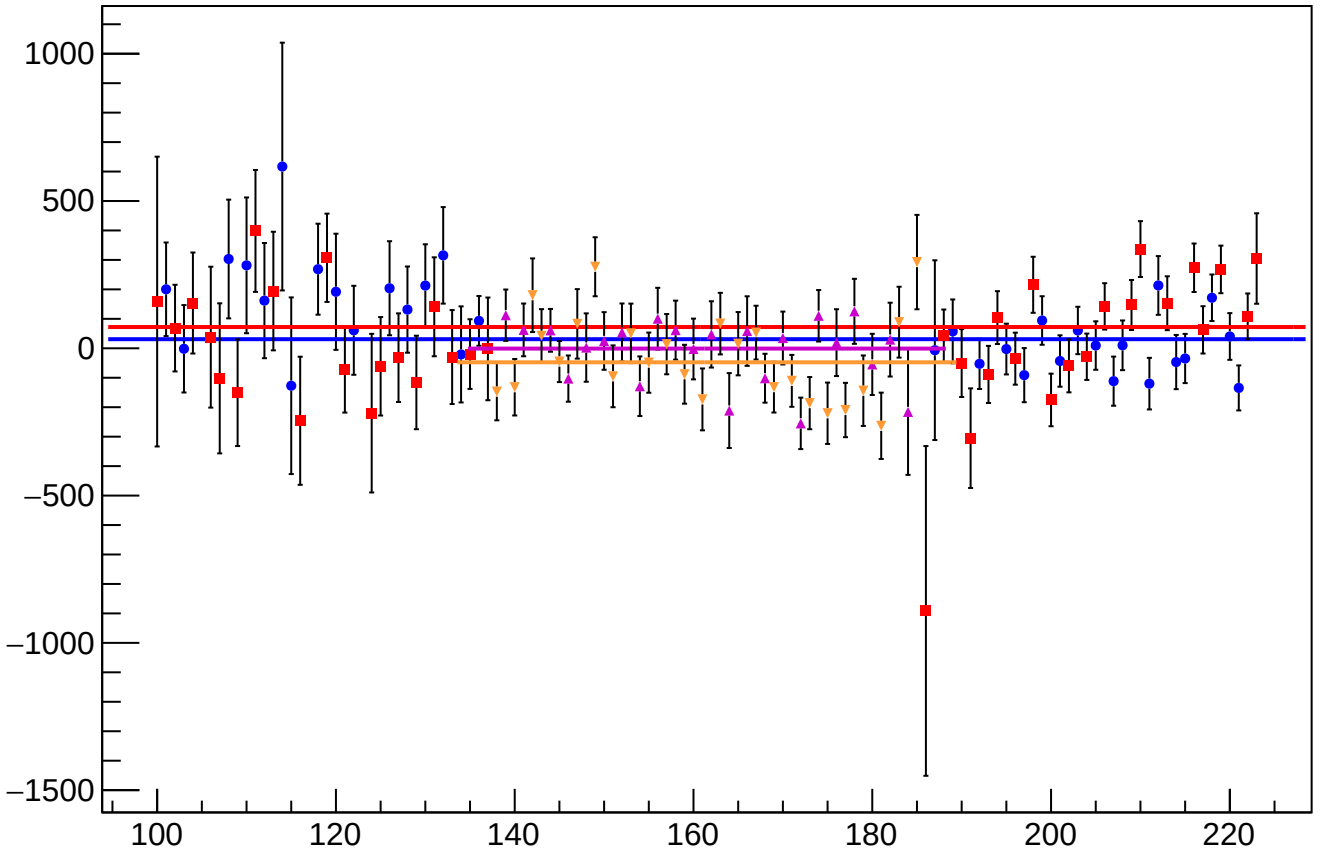
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 624.423+/-0.067 χ^2/NDF: 3642815.1/72

In: 545.351+/-0.062 χ^2/NDF:3208193.7/56

Out: 543.639+/-0.061 χ^2/NDF:4297909.0/63

All: 544.478+/-0.043 χ^2/NDF: 7506490.2/120



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

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

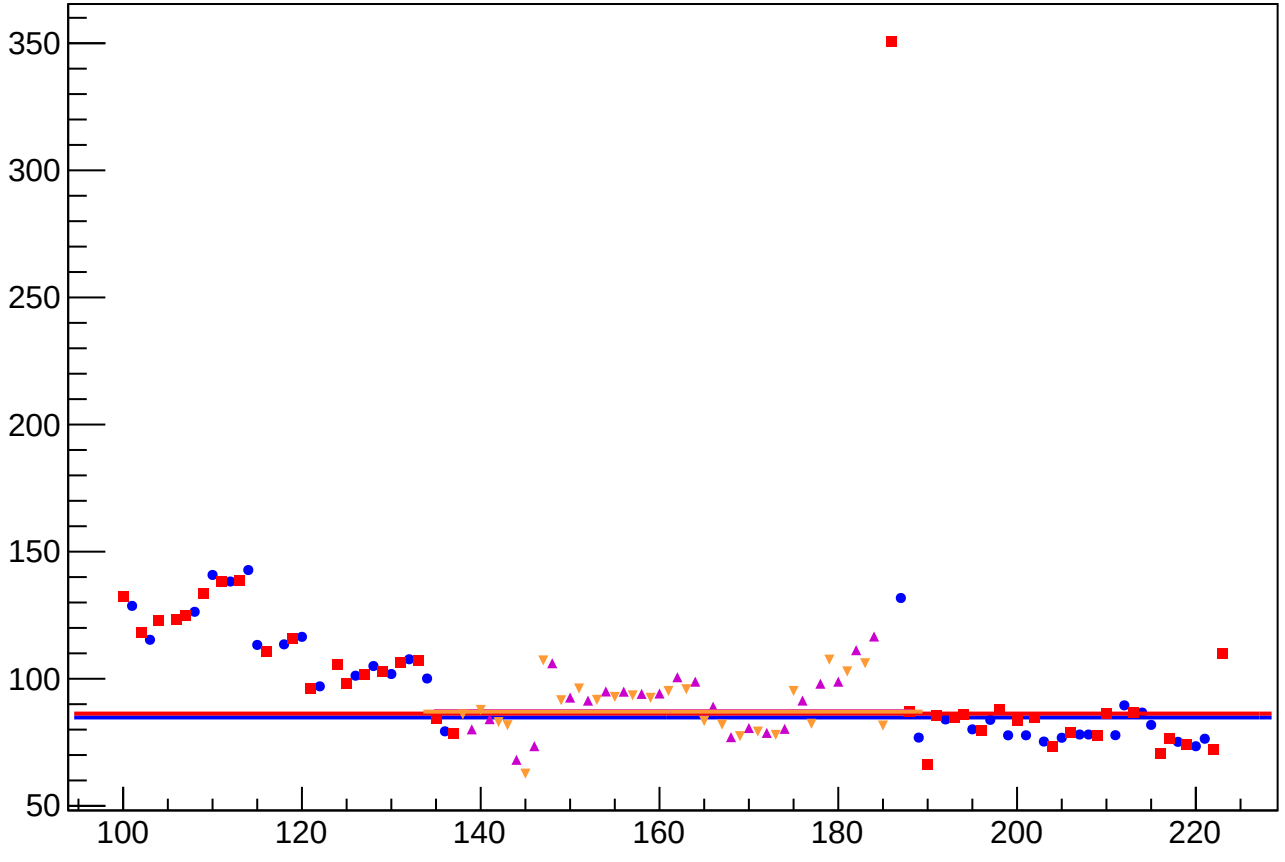
Right: 51.421+/-13.011 χ^2/NDF: 110.0/72

In: 16.788+/-13.703 χ^2/NDF:66.7/56

Out: 17.090+/-13.556 χ^2/NDF:130.9/63

All: 16.941+/-9.637 χ^2/NDF: 197.6/120

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

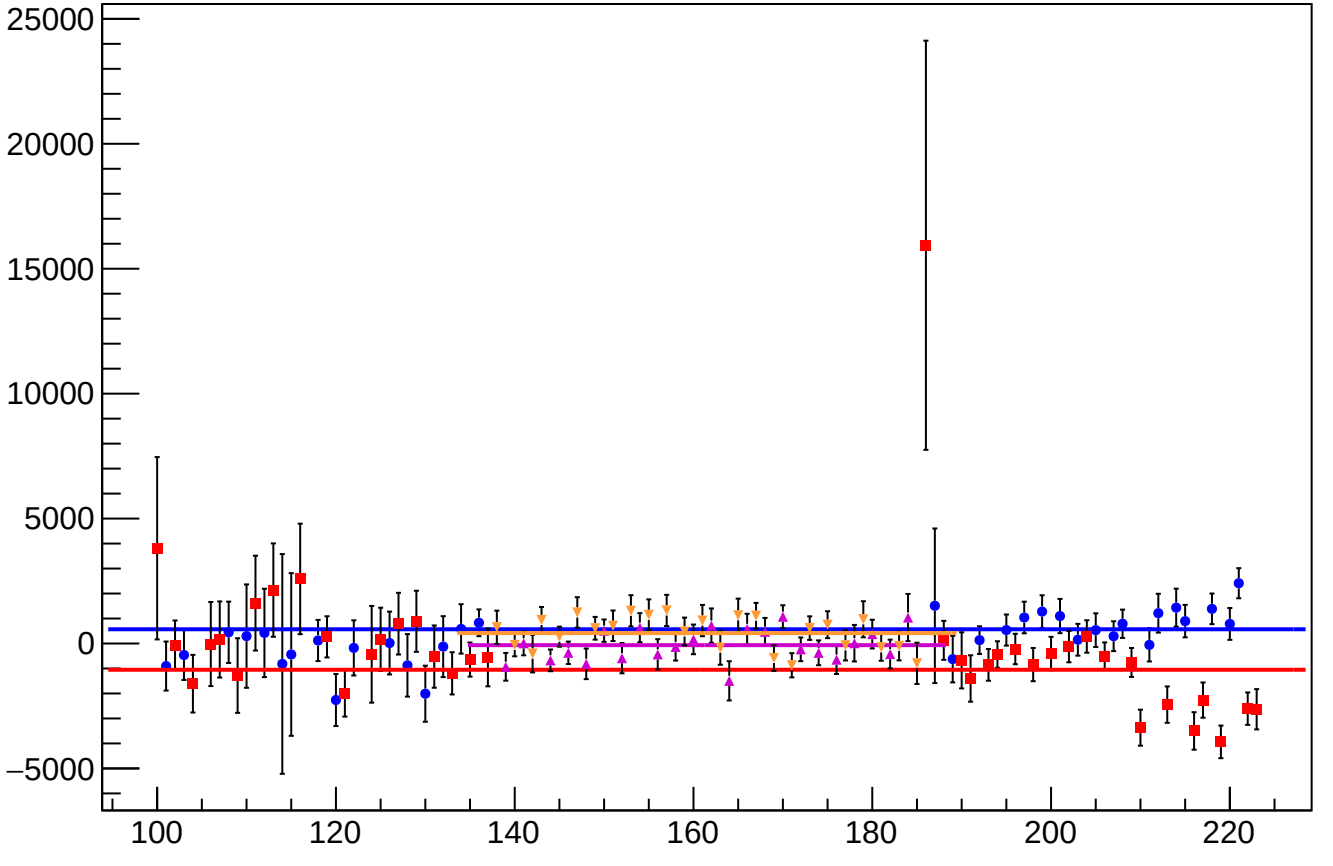
Right: 85.539+/-0.009 χ^2/NDF: 3037613.0/72

In: 85.876+/-0.010 χ^2/NDF:1826028.1/56

Out: 86.658+/-0.010 χ^2/NDF:2438831.4/63

All: 86.271+/-0.007 χ^2/NDF: 4268156.5/120

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



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

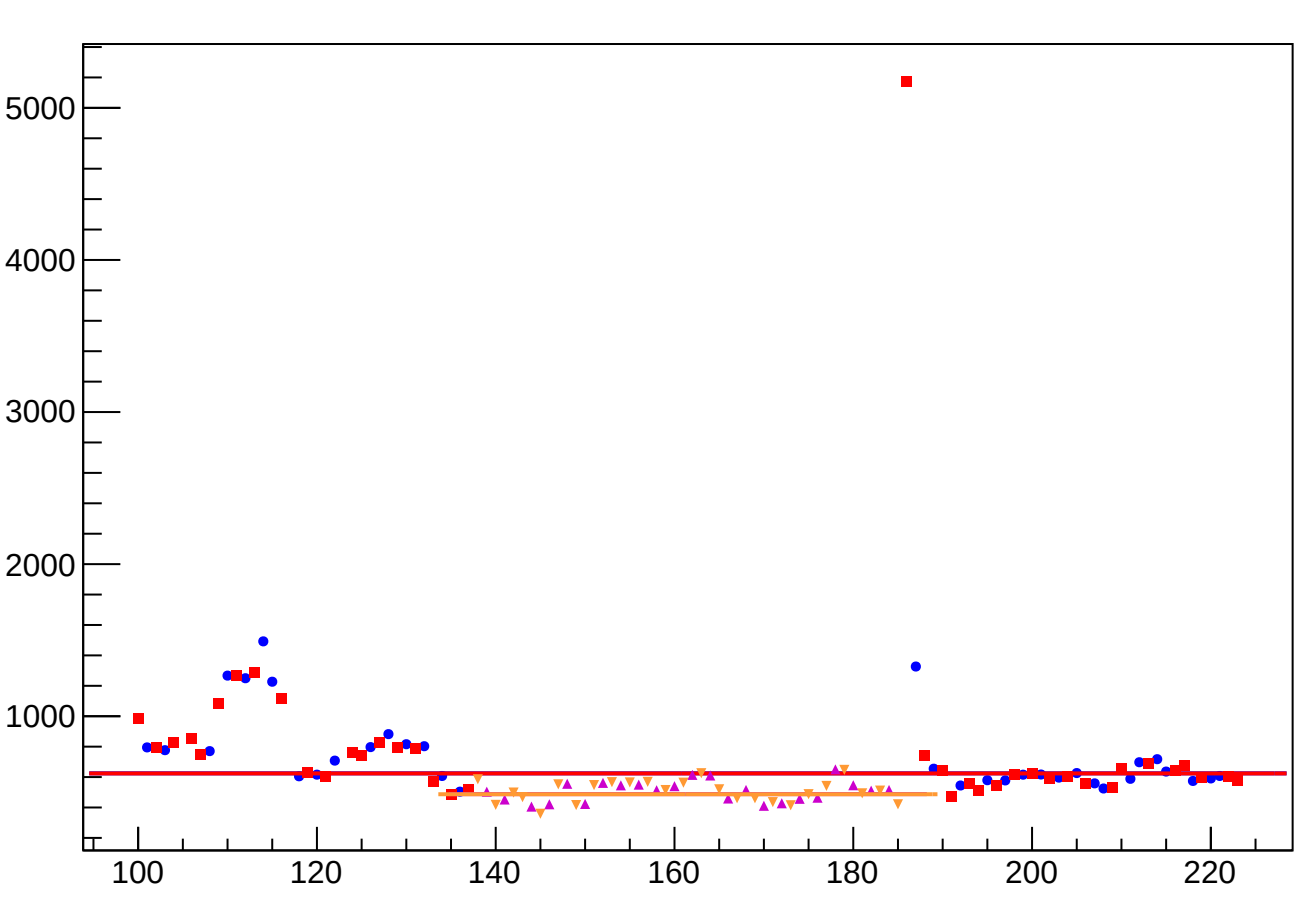
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -248.512+/-95.382 χ^2/NDF: 208.4/72

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -187.896+/-86.152 χ^2/NDF:200.0/63

All: 2.563+/-61.519 χ^2/NDF: 289.2/120



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

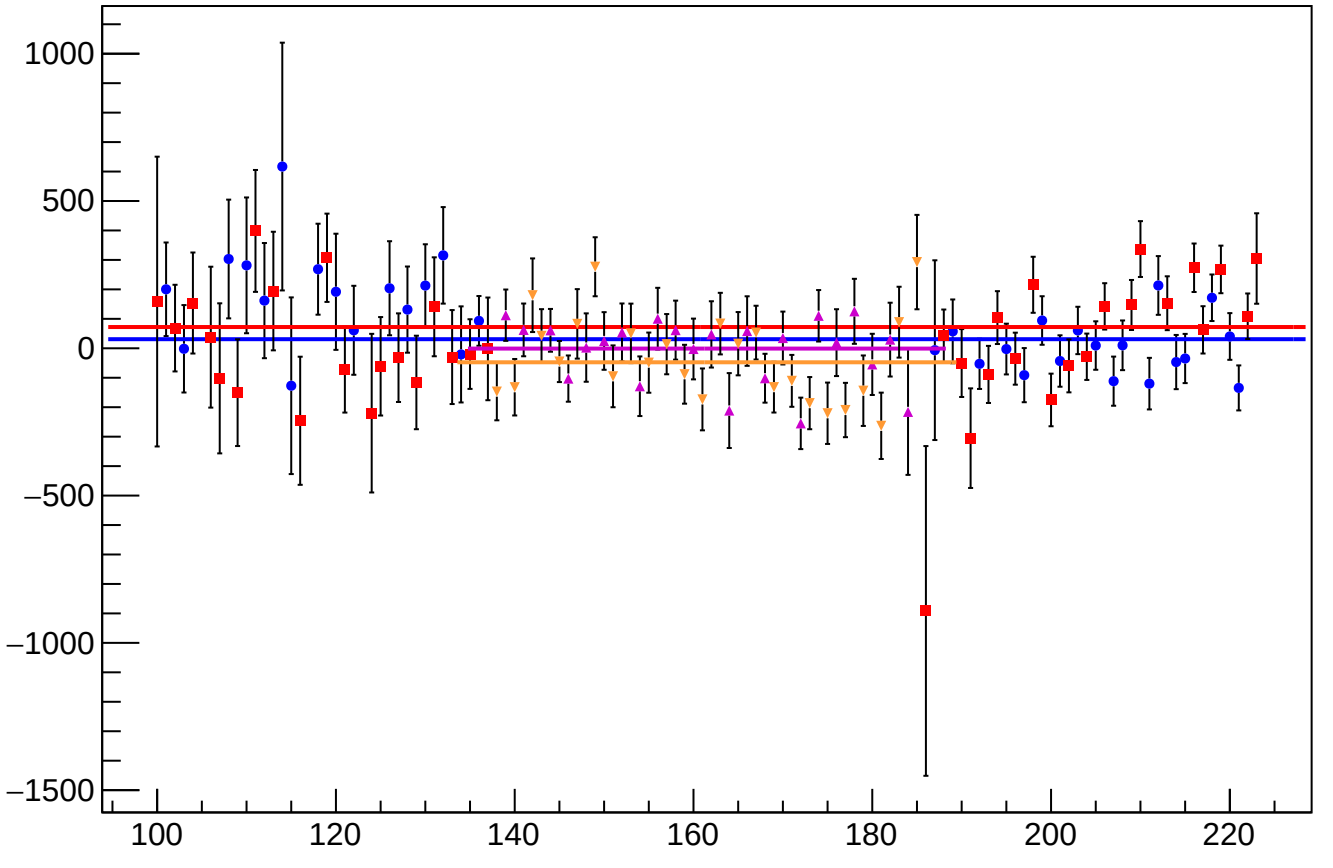
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 624.201+/-0.067 χ^2/NDF: 3627457.6/72

In: 545.351+/-0.062 χ^2/NDF:3208210.4/56

Out: 543.415+/-0.061 χ^2/NDF:4273708.1/63

All: 544.364+/-0.044 χ^2/NDF: 7482413.8/120



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

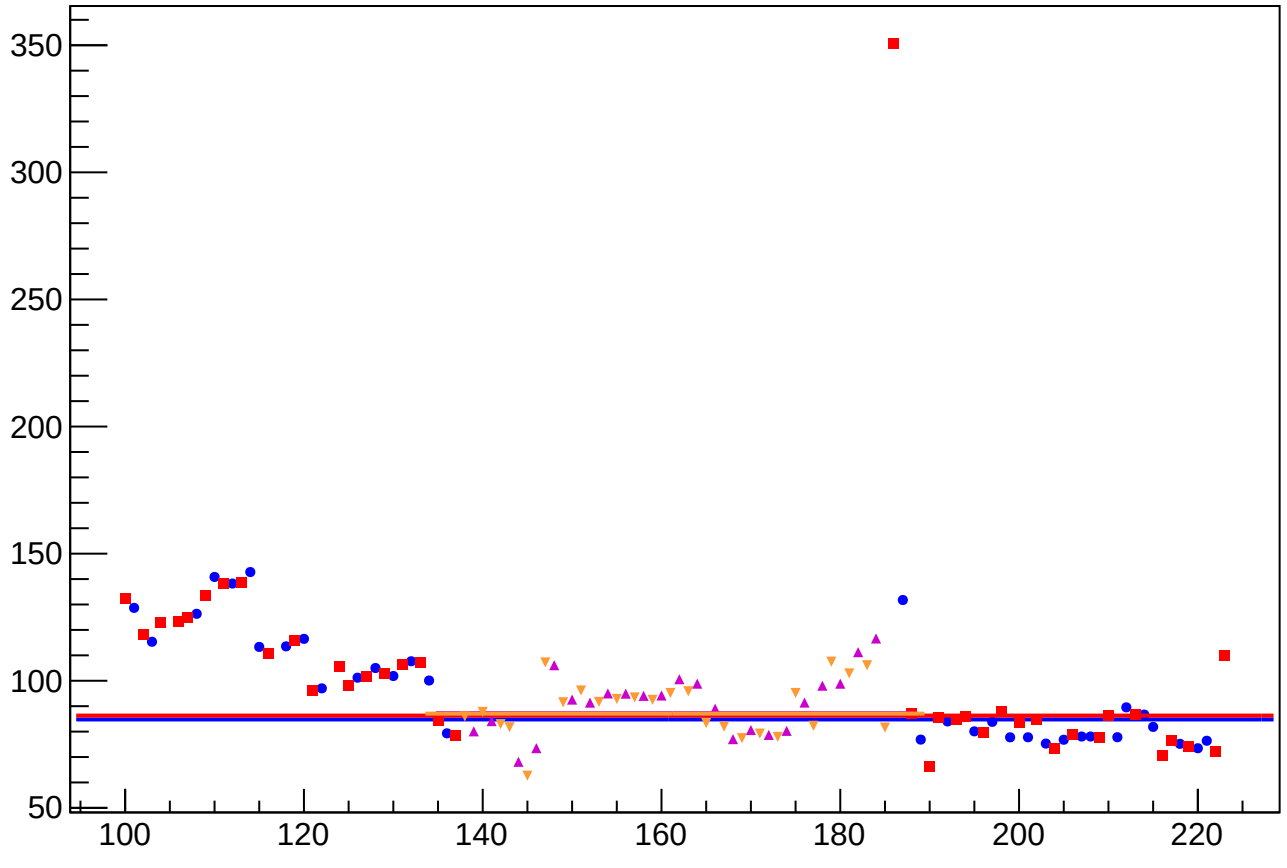
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 51.421+/-13.011 χ^2/NDF: 110.0/72

In: 16.788+/-13.703 χ^2/NDF:66.7/56

Out: 17.090+/-13.556 χ^2/NDF:130.9/63

All: 16.941+/-9.637 χ^2/NDF: 197.6/120



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

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

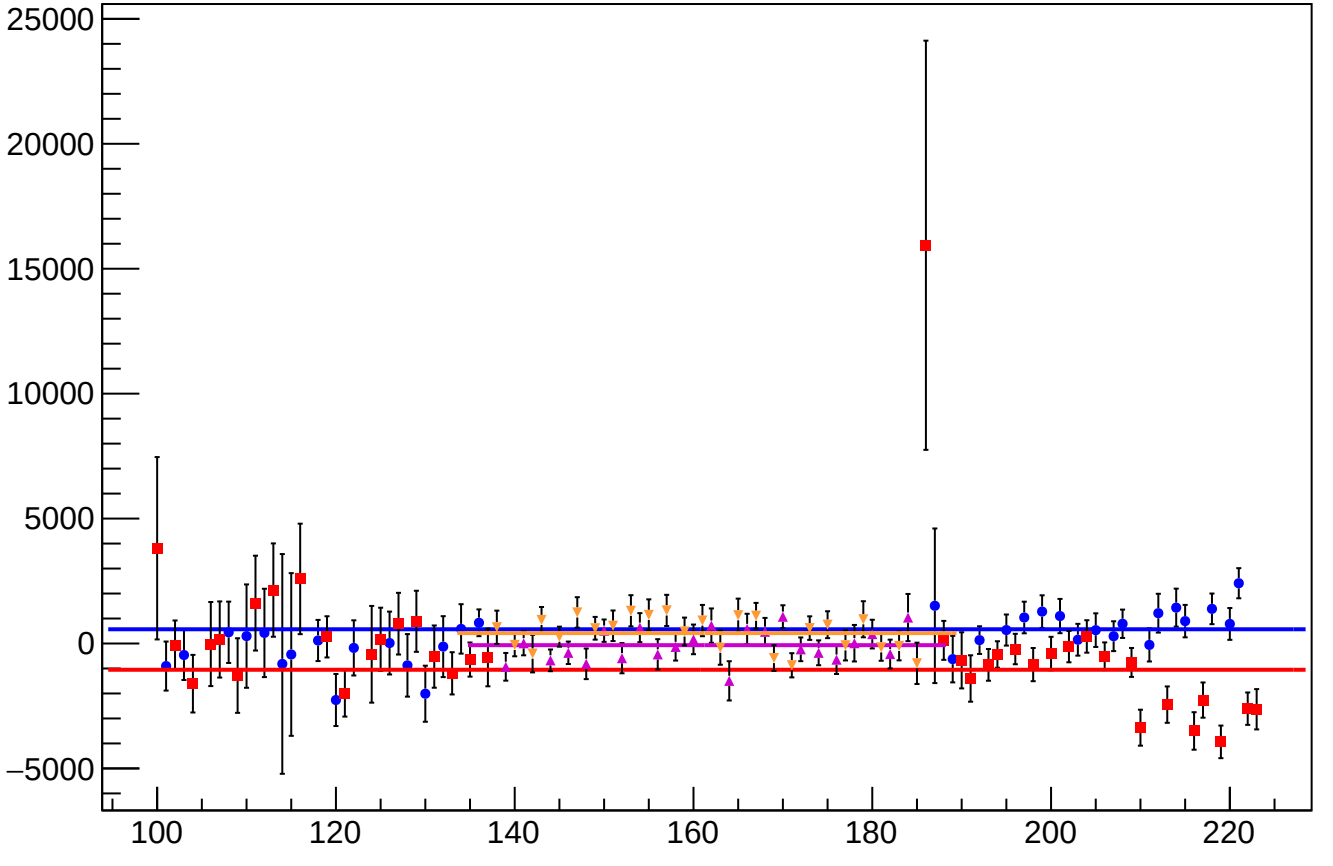
Right: 85.539+/-0.009 χ^2/NDF: 3037613.0/72

In: 85.876+/-0.010 χ^2/NDF:1826028.1/56

Out: 86.658+/-0.010 χ^2/NDF:2438831.4/63

All: 86.271+/-0.007 χ^2/NDF: 4268156.5/120

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

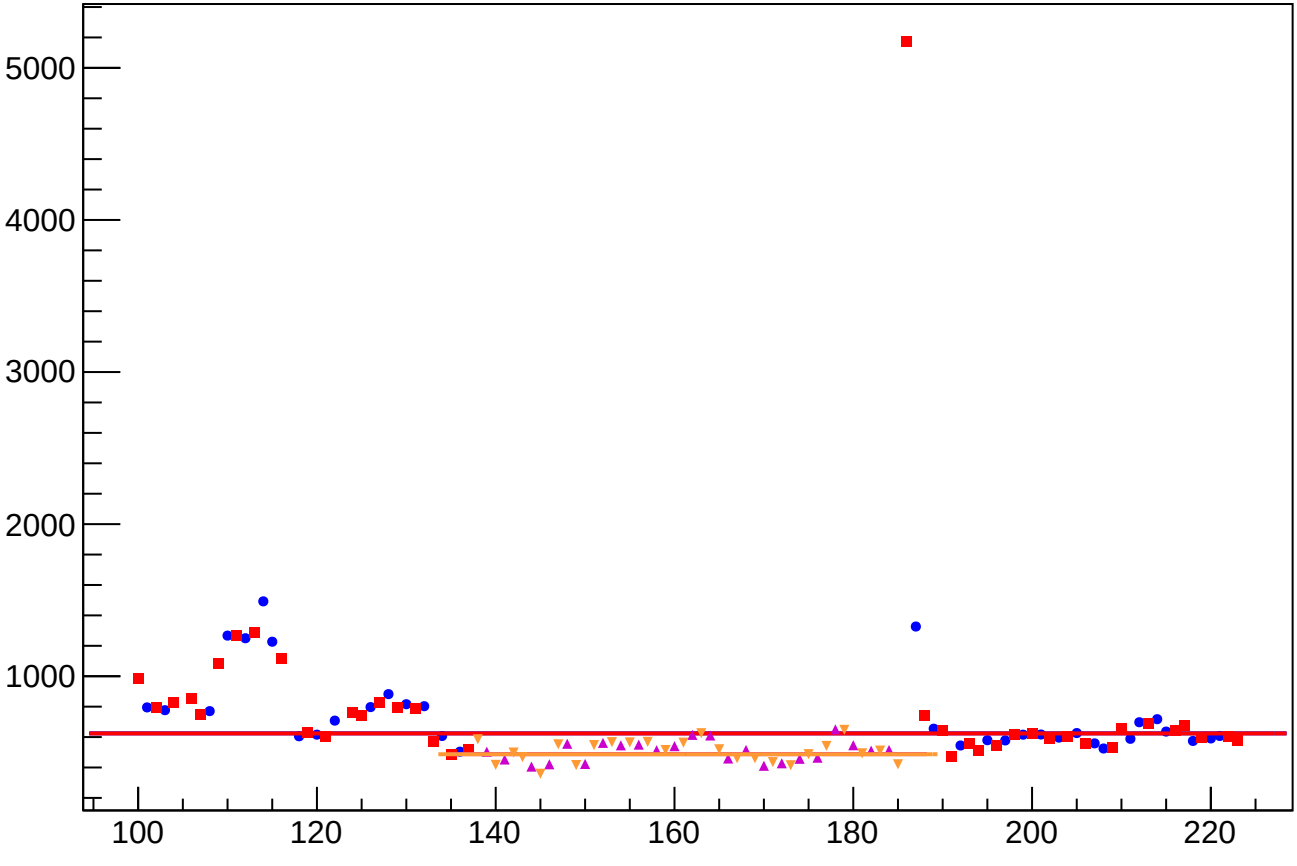
Right: -248.512+/-95.382 χ^2/NDF: 208.4/72

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -187.896+/-86.152 χ^2/NDF:200.0/63

All: 2.563+/-61.519 χ^2/NDF: 289.2/120

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

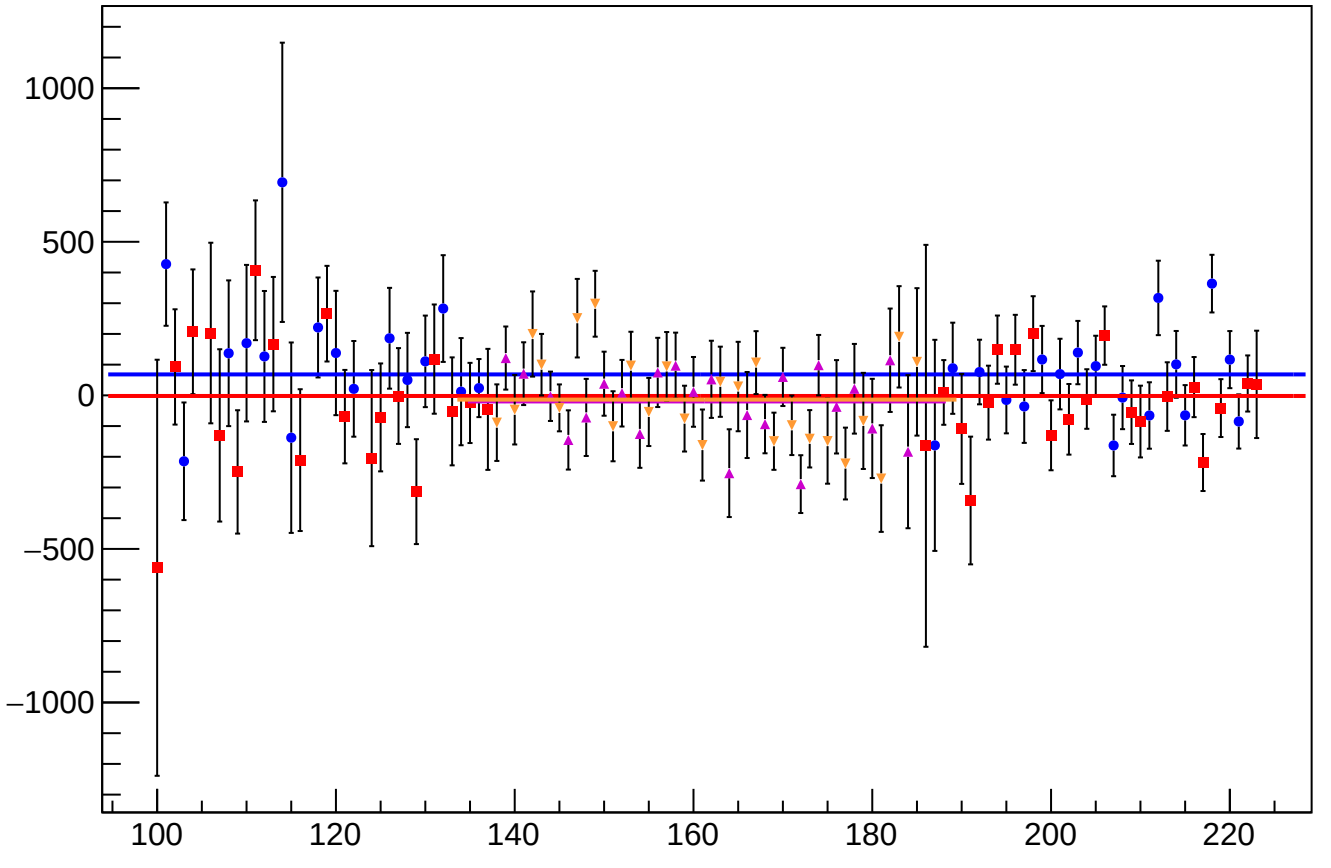
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 624.201+/-0.067 χ^2/NDF: 3627457.6/72

In: 545.351+/-0.062 χ^2/NDF:3208210.4/56

Out: 543.415+/-0.061 χ^2/NDF:4273708.1/63

All: 544.364+/-0.044 χ^2/NDF: 7482413.8/120



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

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

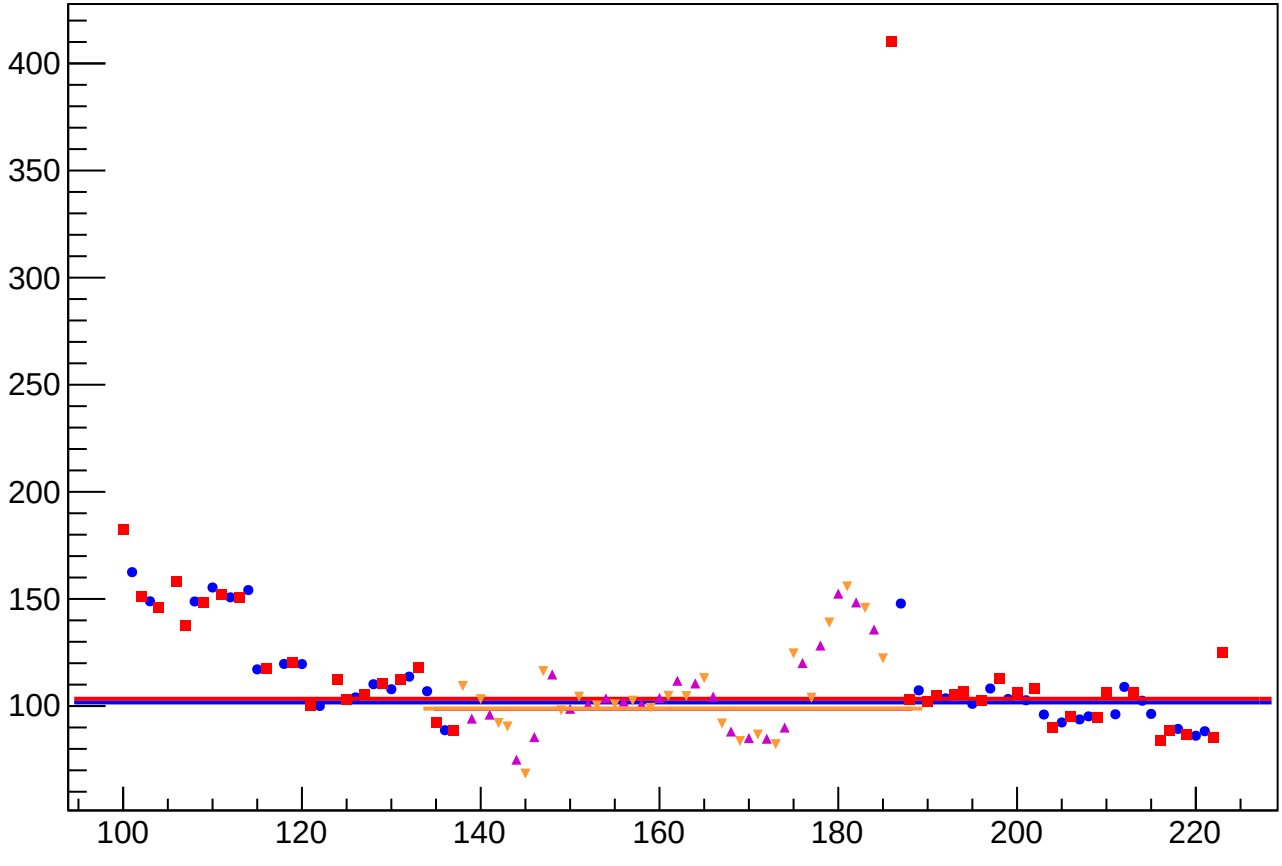
Right: 33.239+/-15.547 χ^2/NDF: 84.9/72

In: 27.346+/-16.060 χ^2/NDF:71.7/56

Out: -7.729+/-15.883 χ^2/NDF:75.4/63

All: 9.615+/-11.293 χ^2/NDF: 149.5/120

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

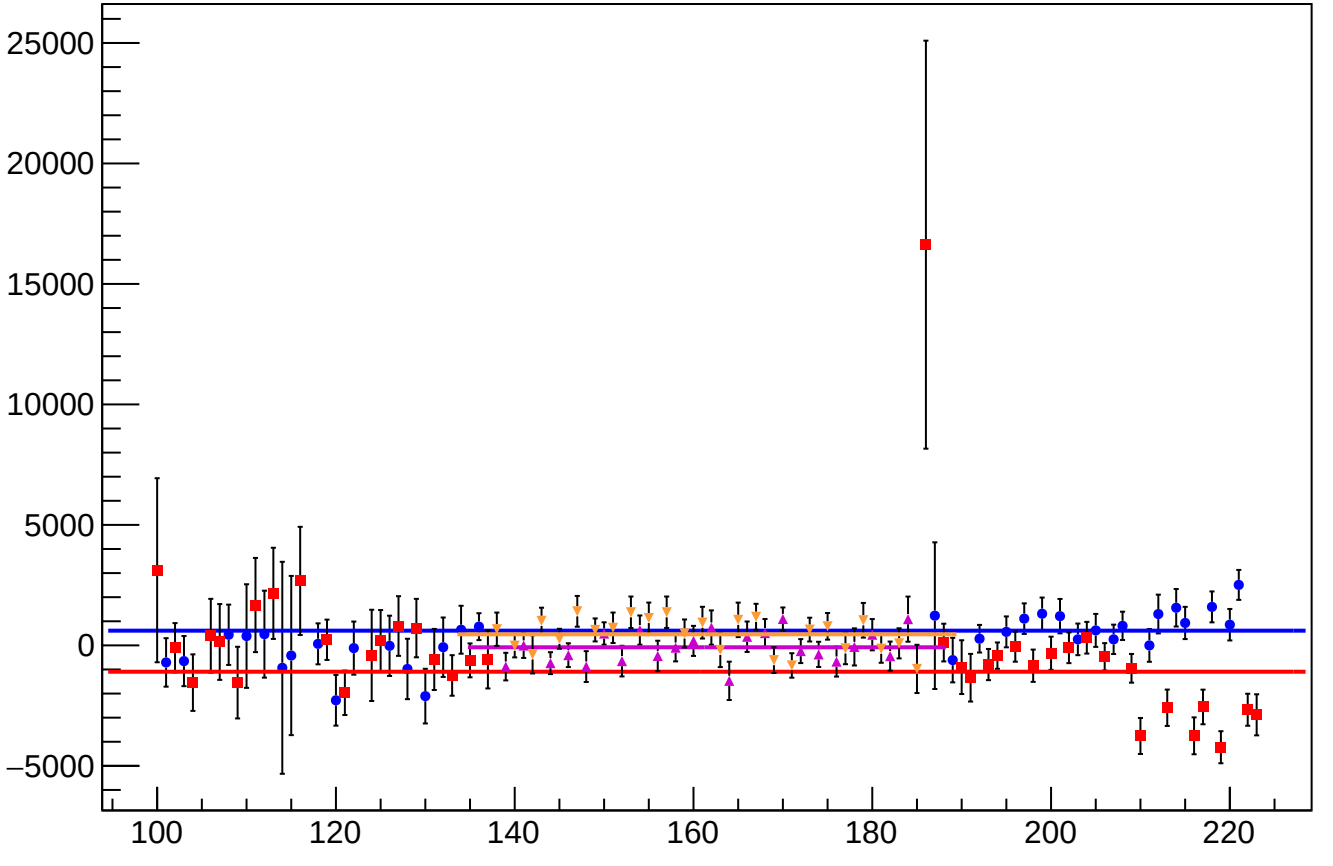
Right: 102.540+/-0.011 χ^2/NDF: 2503997.0/72

In: 100.288+/-0.011 χ^2/NDF:1961263.9/56

Out: 101.190+/-0.011 χ^2/NDF:2769723.0/63

All: 100.744+/-0.008 χ^2/NDF: 4734172.5/120

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

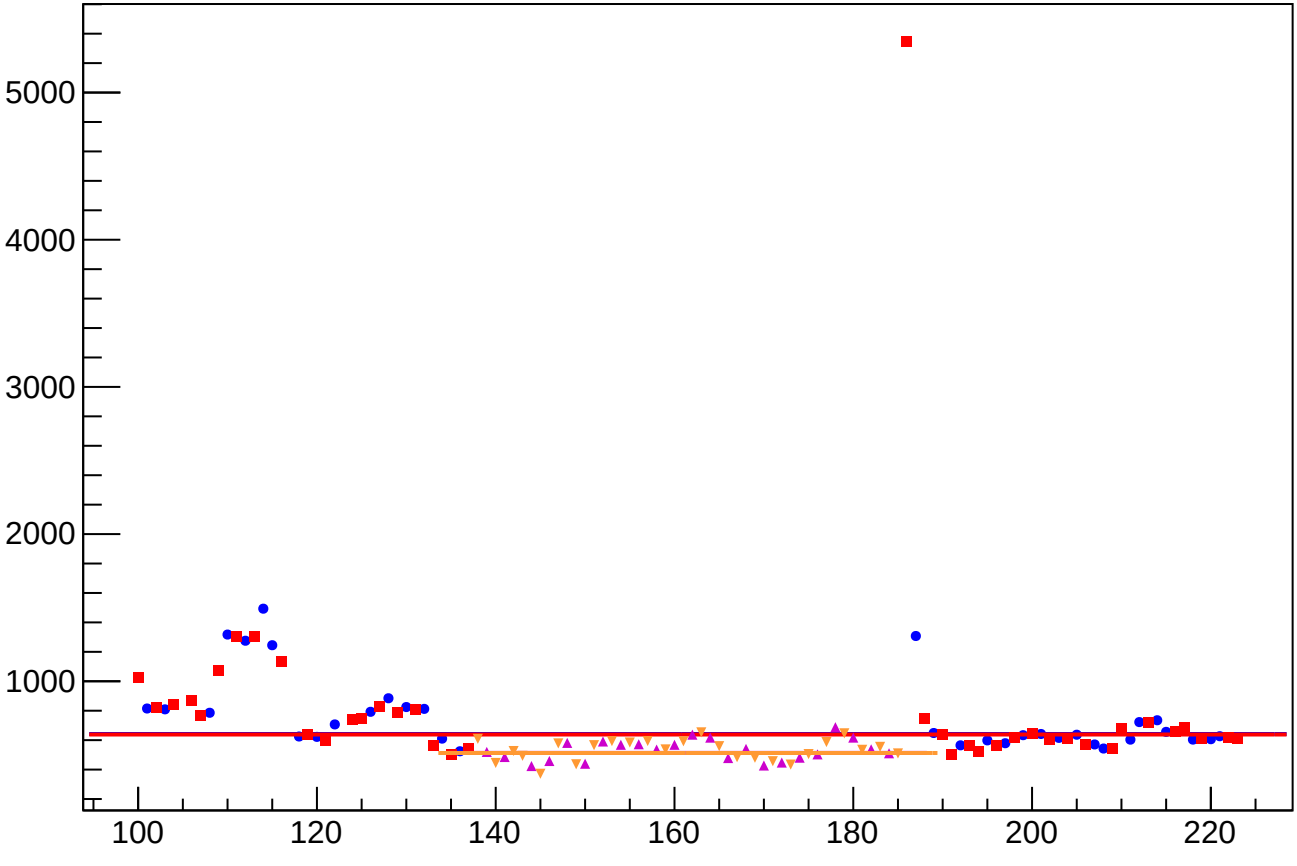
Right: -254.367+/-97.612 χ^2/NDF: 224.2/72

In: 219.280+/-91.480 χ^2/NDF:80.4/56

Out: -202.740+/-89.460 χ^2/NDF:212.3/63

All: 3.559+/-63.960 χ^2/NDF: 303.6/120

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



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

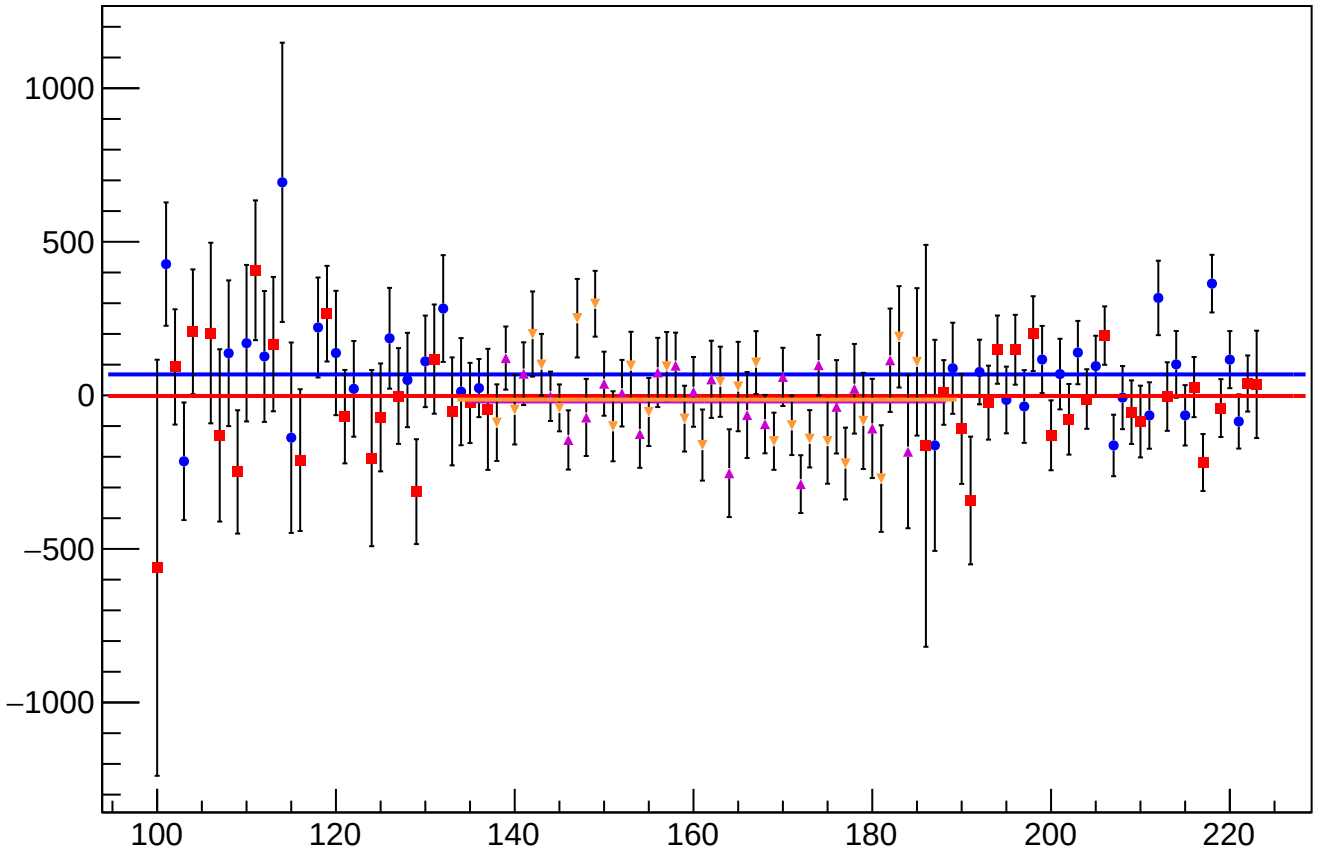
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 640.000+/-0.069 χ^2/NDF: 3510707.6/72

In: 568.894+/-0.065 χ^2/NDF:2936001.4/56

Out: 566.290+/-0.063 χ^2/NDF:3937195.1/63

All: 567.563+/-0.045 χ^2/NDF: 6874024.5/120



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

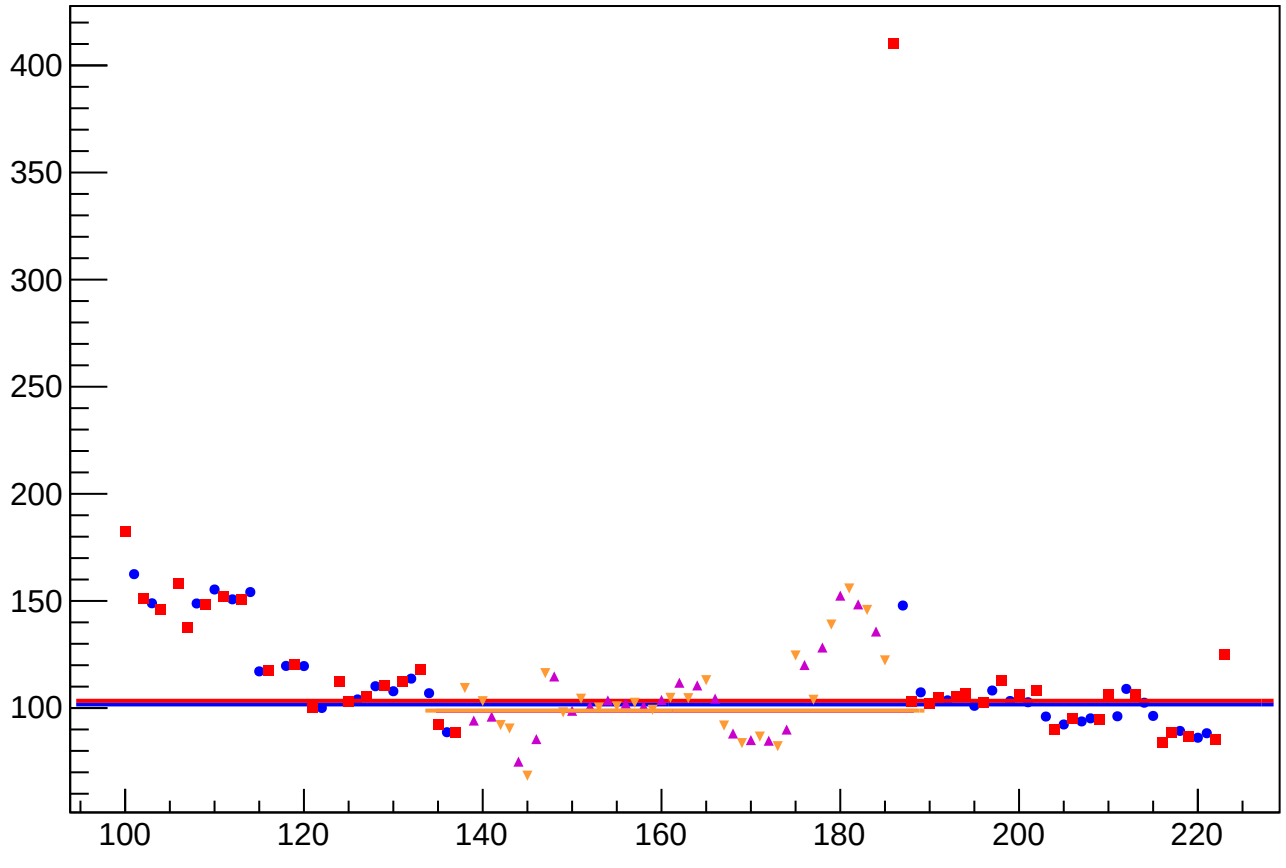
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 33.240+/-15.547 χ^2/NDF: 84.9/72

In: 27.345+/-16.060 χ^2/NDF:71.7/56

Out: -7.729+/-15.883 χ^2/NDF:75.4/63

All: 9.615+/-11.293 χ^2/NDF: 149.5/120



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

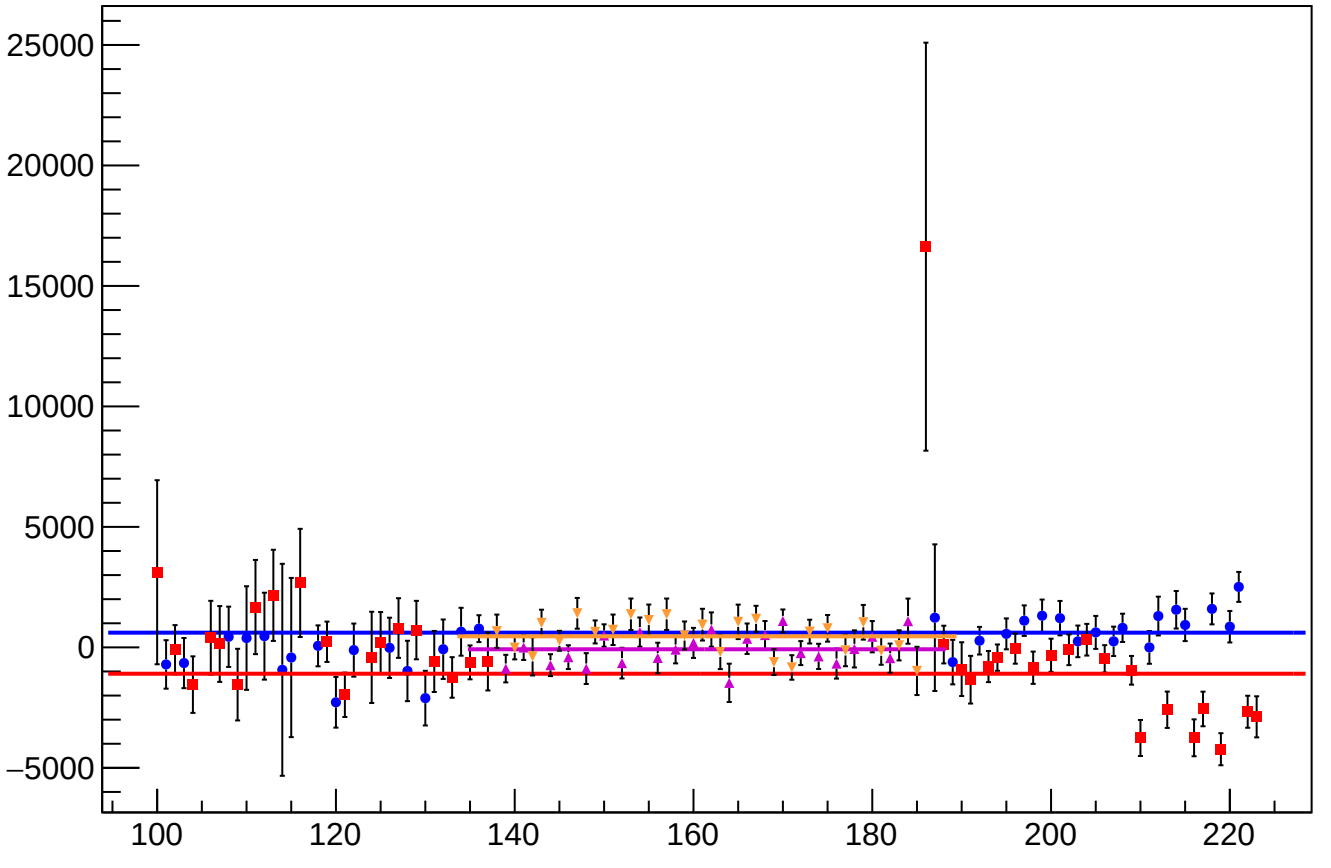
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 102.540+/-0.011 χ^2/NDF: 2503990.1/72

In: 100.288+/-0.011 χ^2/NDF:1961251.3/56

Out: 101.190+/-0.011 χ^2/NDF:2769725.3/63

All: 100.744+/-0.008 χ^2/NDF: 4734162.1/120



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

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

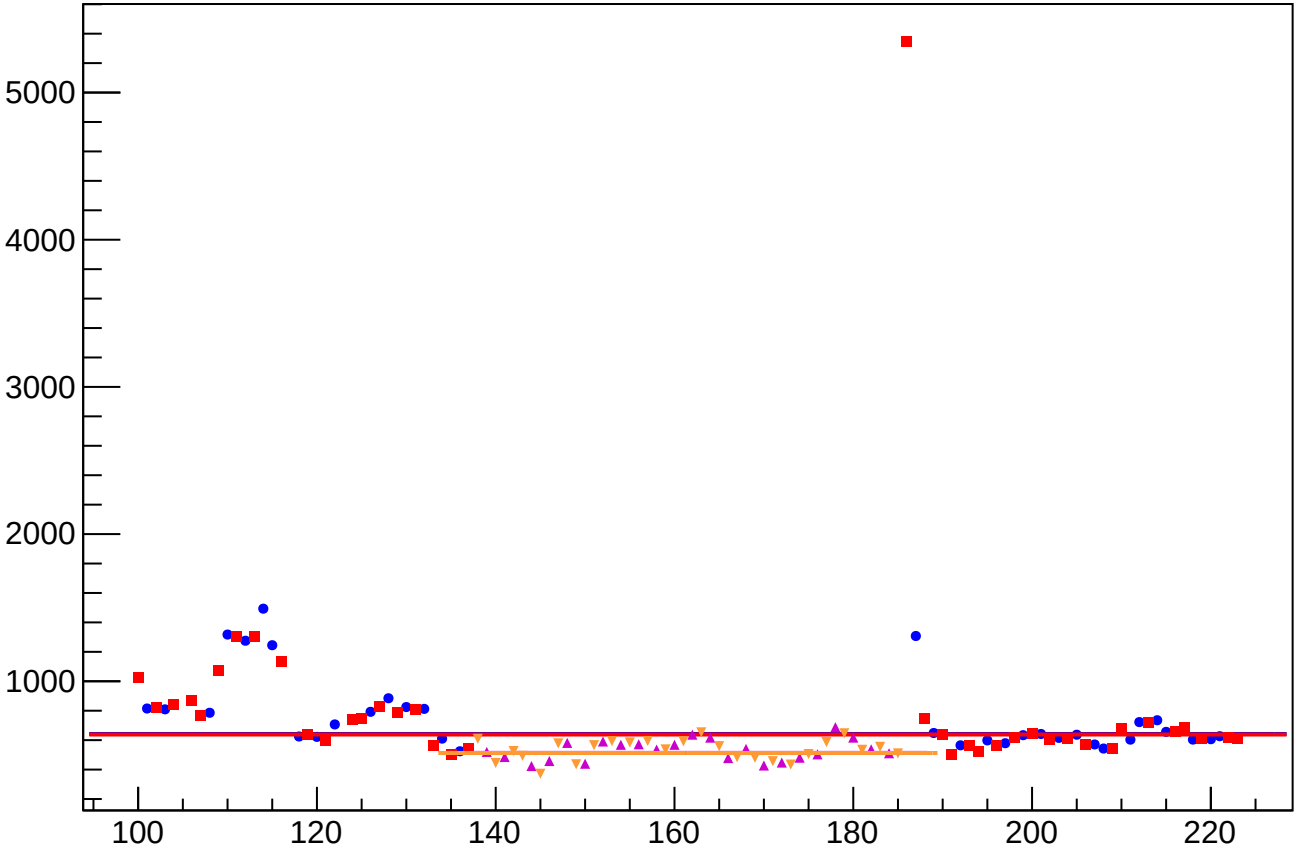
Right: -254.366+/-97.612 χ^2/NDF: 224.2/72

In: 219.280+/-91.480 χ^2/NDF:80.4/56

Out: -202.741+/-89.460 χ^2/NDF:212.3/63

All: 3.559+/-63.960 χ^2/NDF: 303.6/120

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

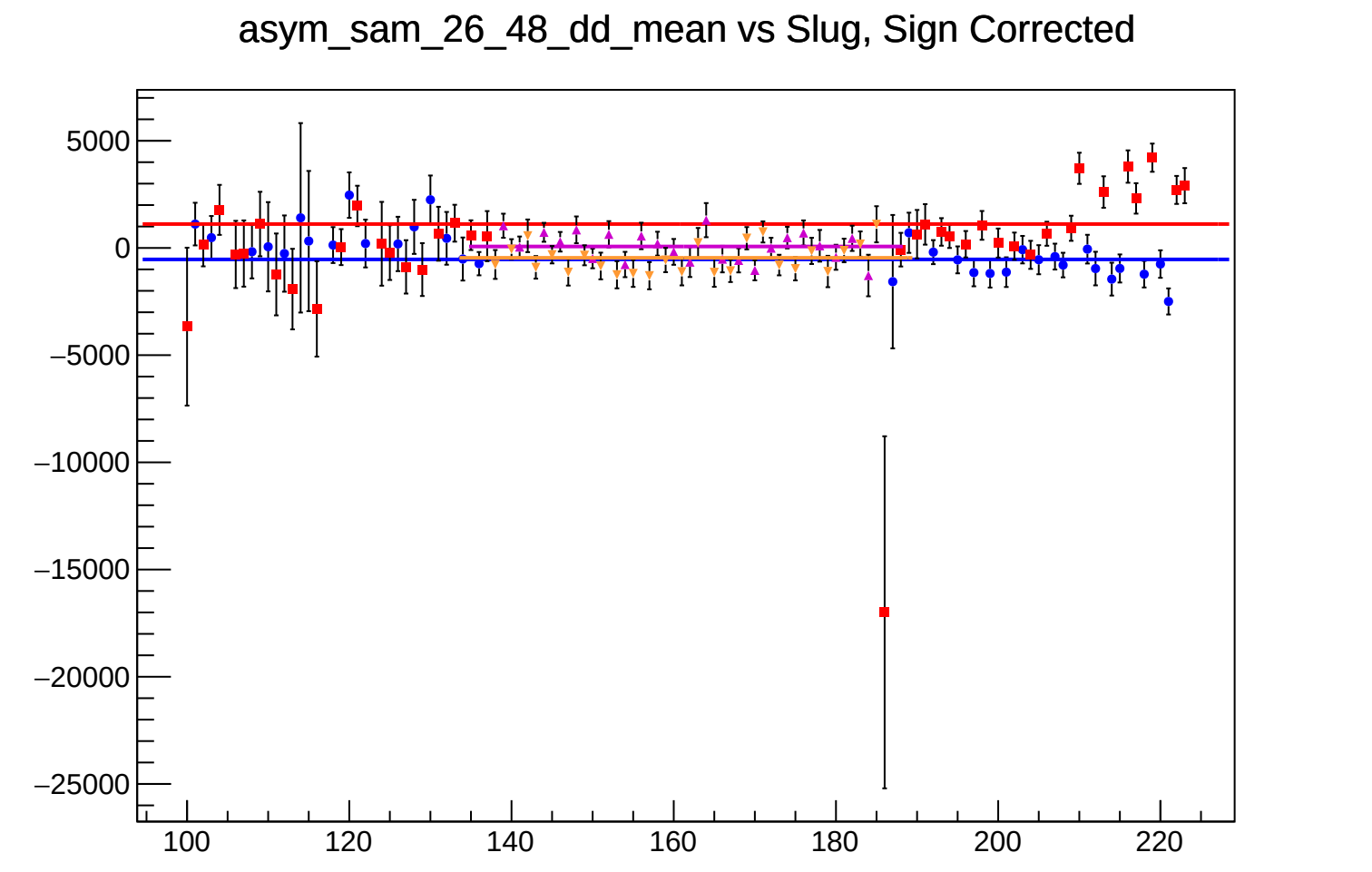
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 639.999+/-0.069 χ^2/NDF: 3510701.6/72

In: 568.893+/-0.065 χ^2/NDF:2935986.3/56

Out: 566.290+/-0.063 χ^2/NDF:3937181.0/63

All: 567.562+/-0.045 χ^2/NDF: 6873995.5/120



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

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

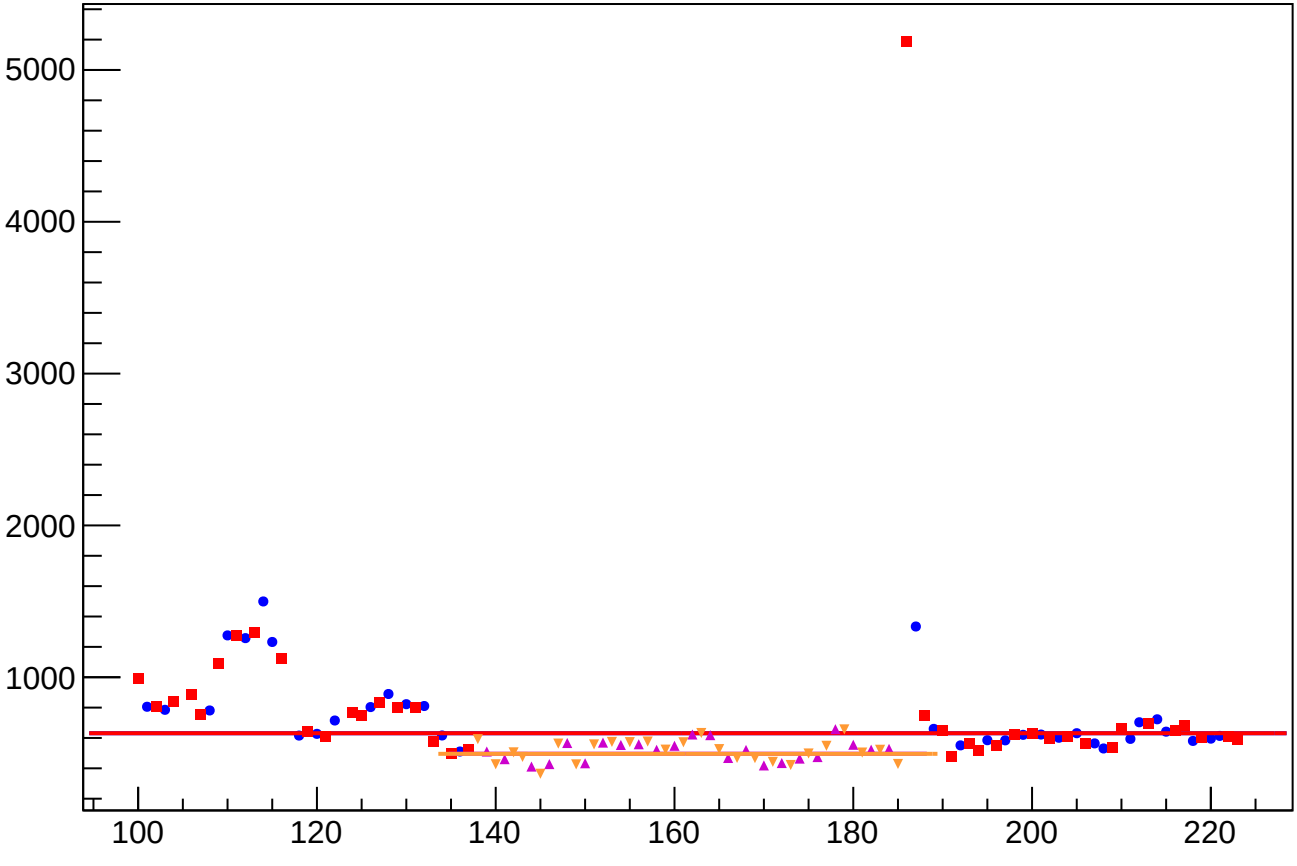
Right: 298.206+/-96.348 χ^2/NDF: 223.7/72

In: -187.172+/-89.110 χ^2/NDF:81.7/56

Out: 193.825+/-87.365 χ^2/NDF:218.2/63

All: 7.093+/-62.384 χ^2/NDF: 309.2/120

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

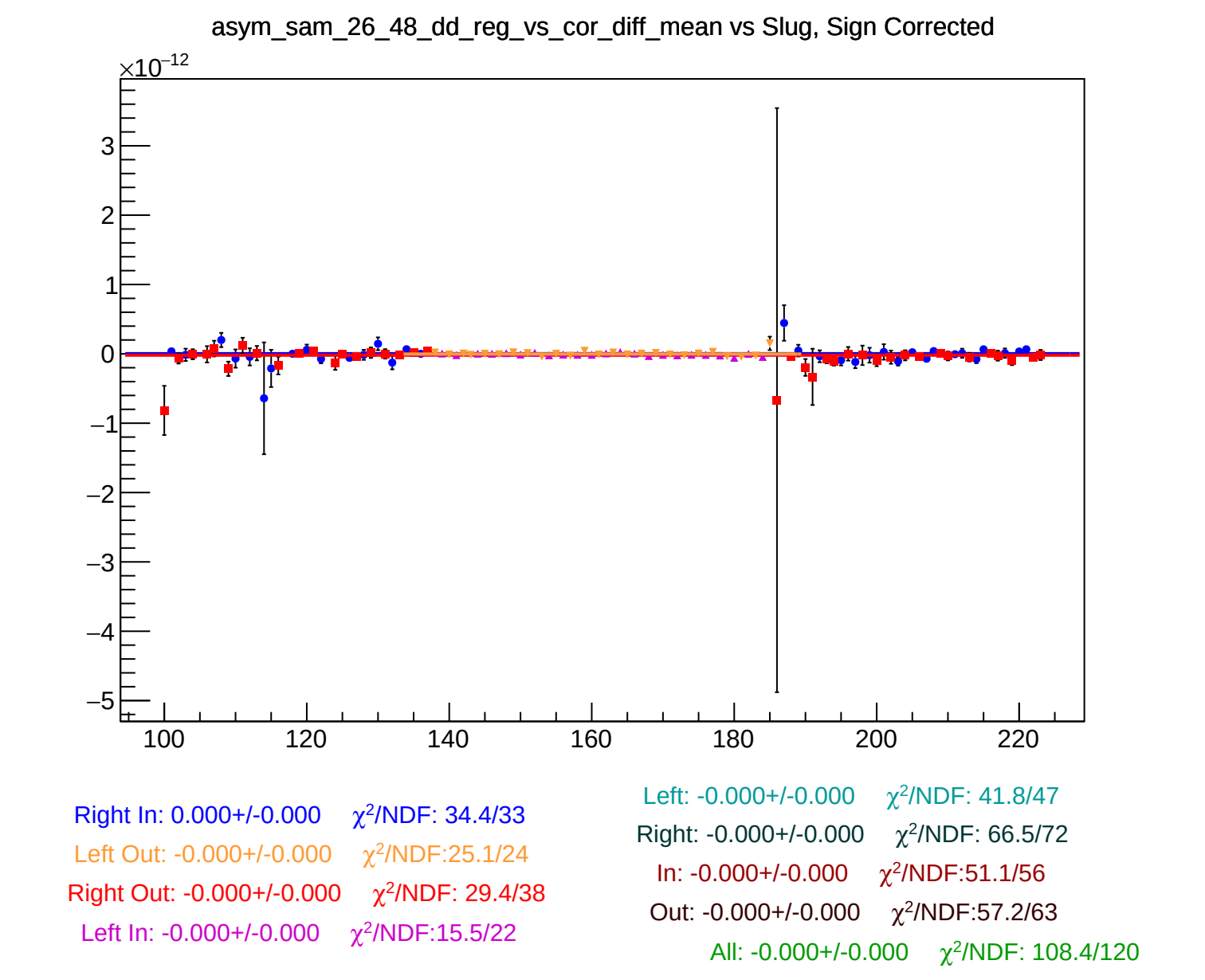
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

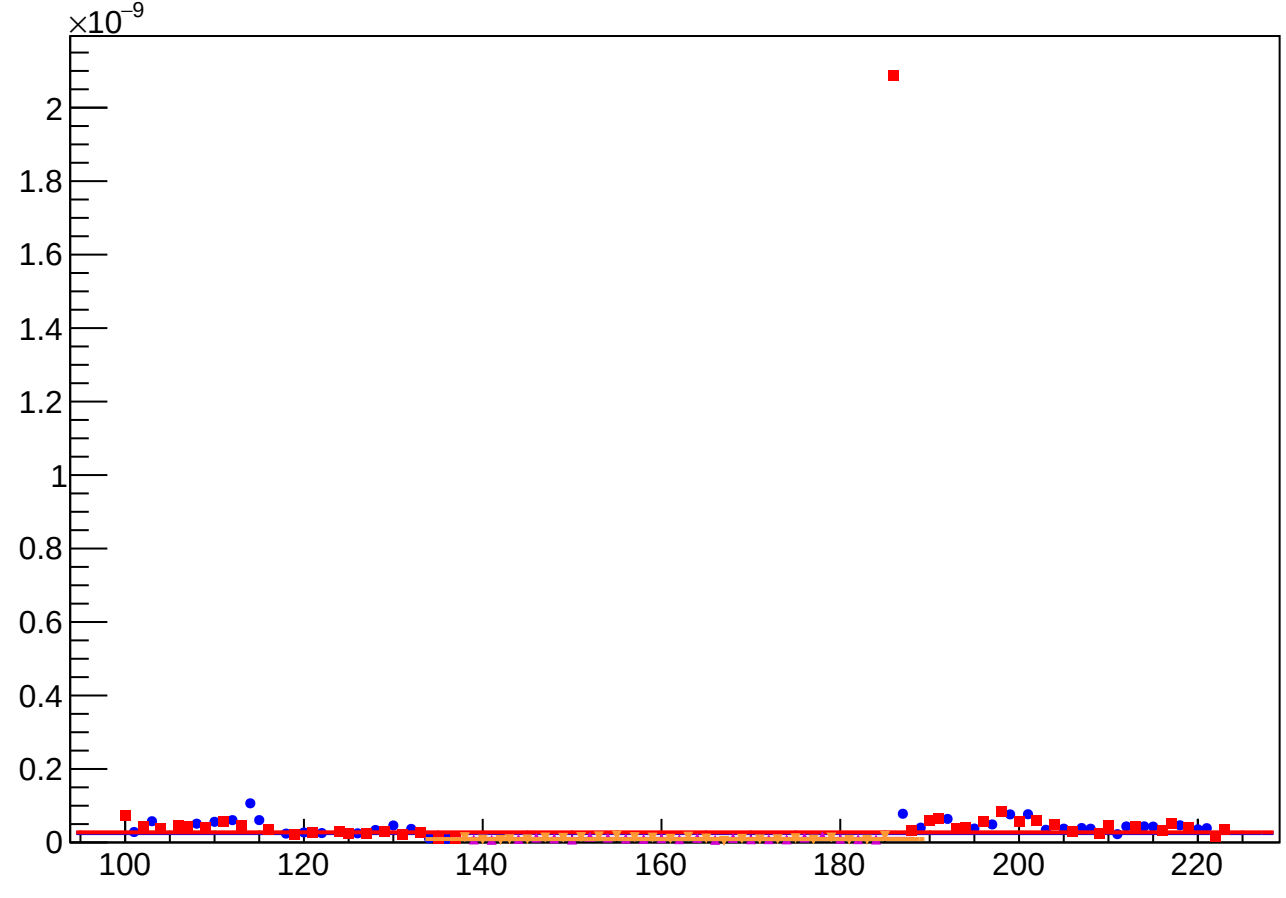
Right: 631.141+/-0.068 χ^2/NDF: 3607110.2/72

In: 553.376+/-0.063 χ^2/NDF:3122694.9/56

Out: 551.849+/-0.062 χ^2/NDF:4199705.8/63

All: 552.597+/-0.044 χ^2/NDF: 7322700.1/120


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 34.4/33
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.4/38
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 41.8/47
Right: -0.000+/-0.000 χ²/NDF: 66.5/72
In: -0.000+/-0.000 χ²/NDF:51.1/56
Out: -0.000+/-0.000 χ²/NDF:57.2/63
All: -0.000+/-0.000 χ²/NDF: 108.4/120



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

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

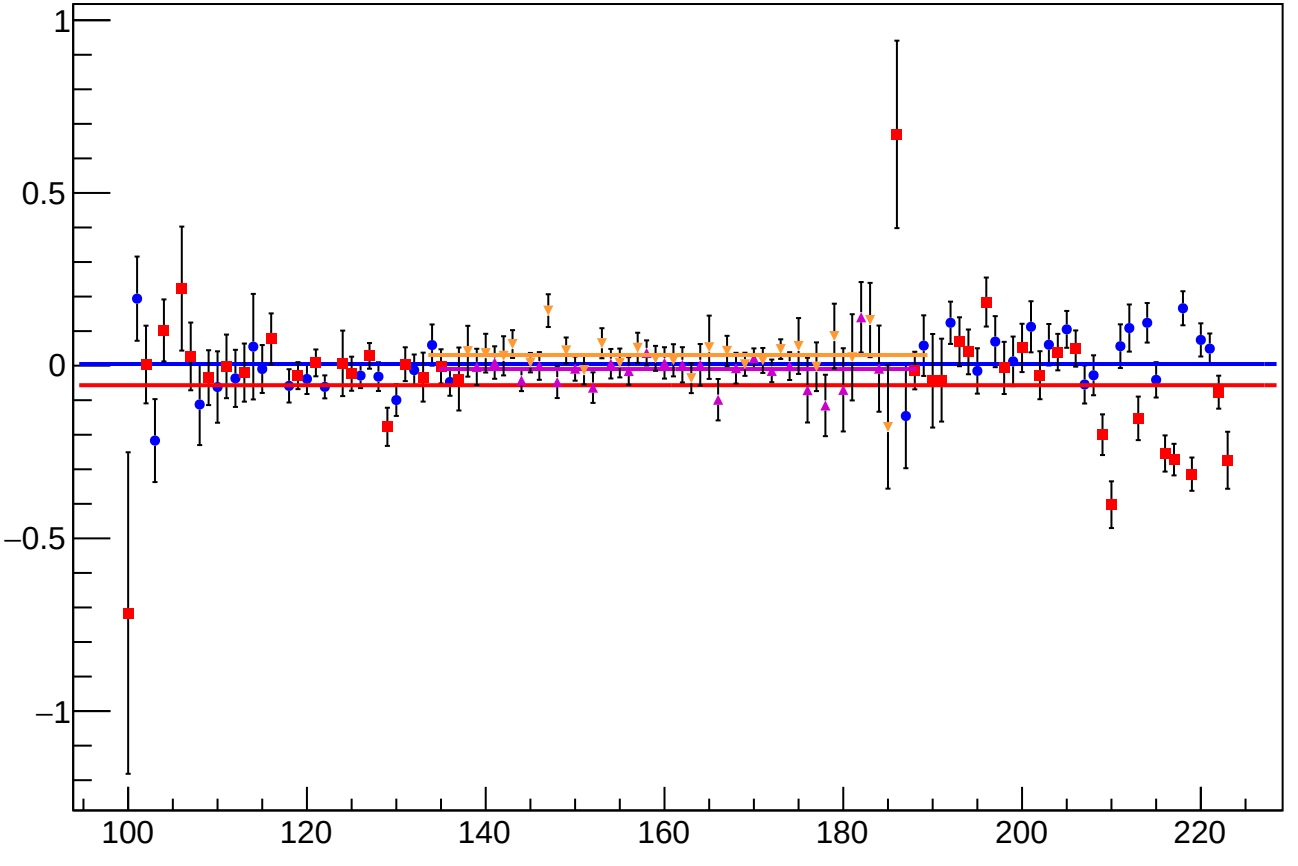
Right: 0.000+/-0.000 χ^2/NDF: 11323720.6/72

In: 0.000+/-0.000 χ^2/NDF:11889816.0/56

Out: 0.000+/-0.000 χ^2/NDF:13139205.8/63

All: 0.000+/-0.000 χ^2/NDF: 25065257.4/120

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

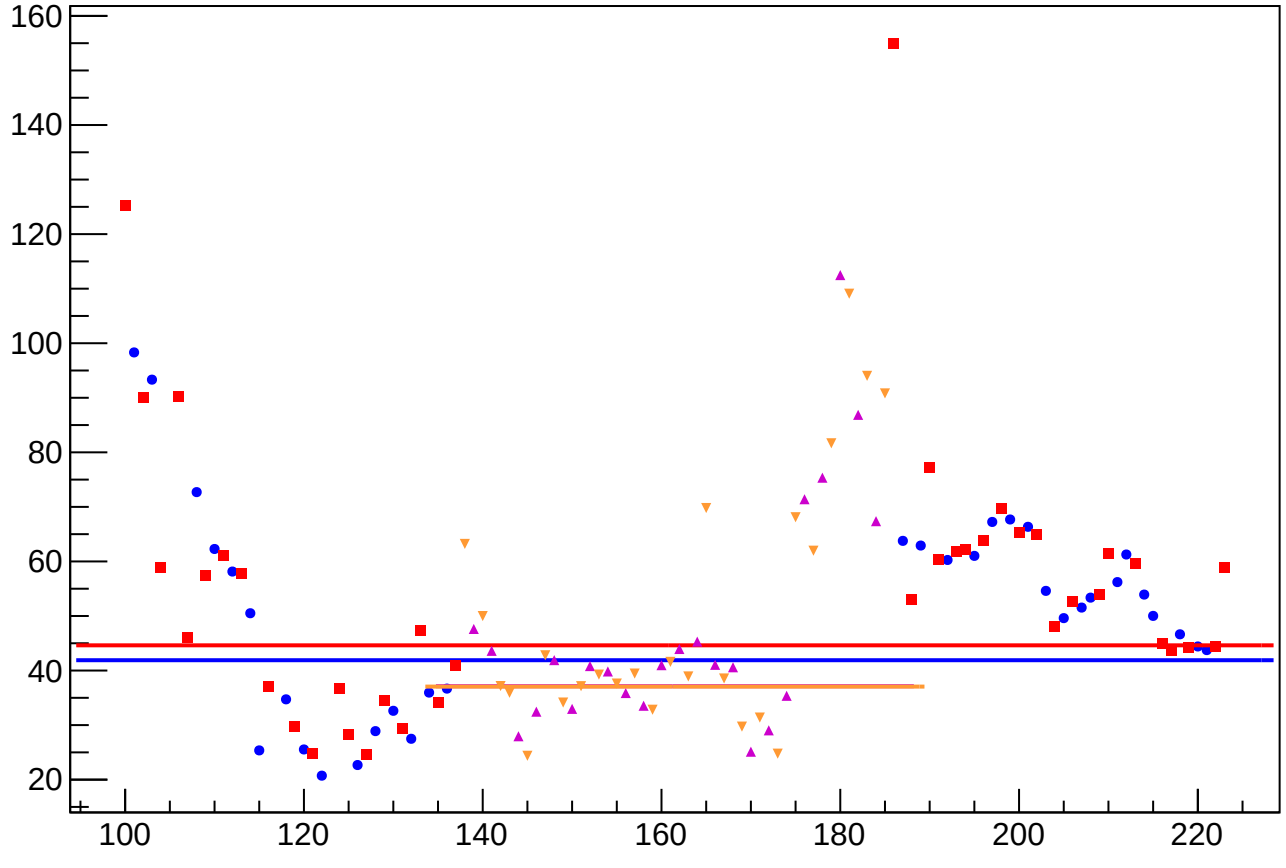
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.025+/-0.007 χ^2/NDF: 250.5/72

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.009+/-0.007 χ^2/NDF:230.7/63

All: -0.006+/-0.005 χ^2/NDF: 305.3/120



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

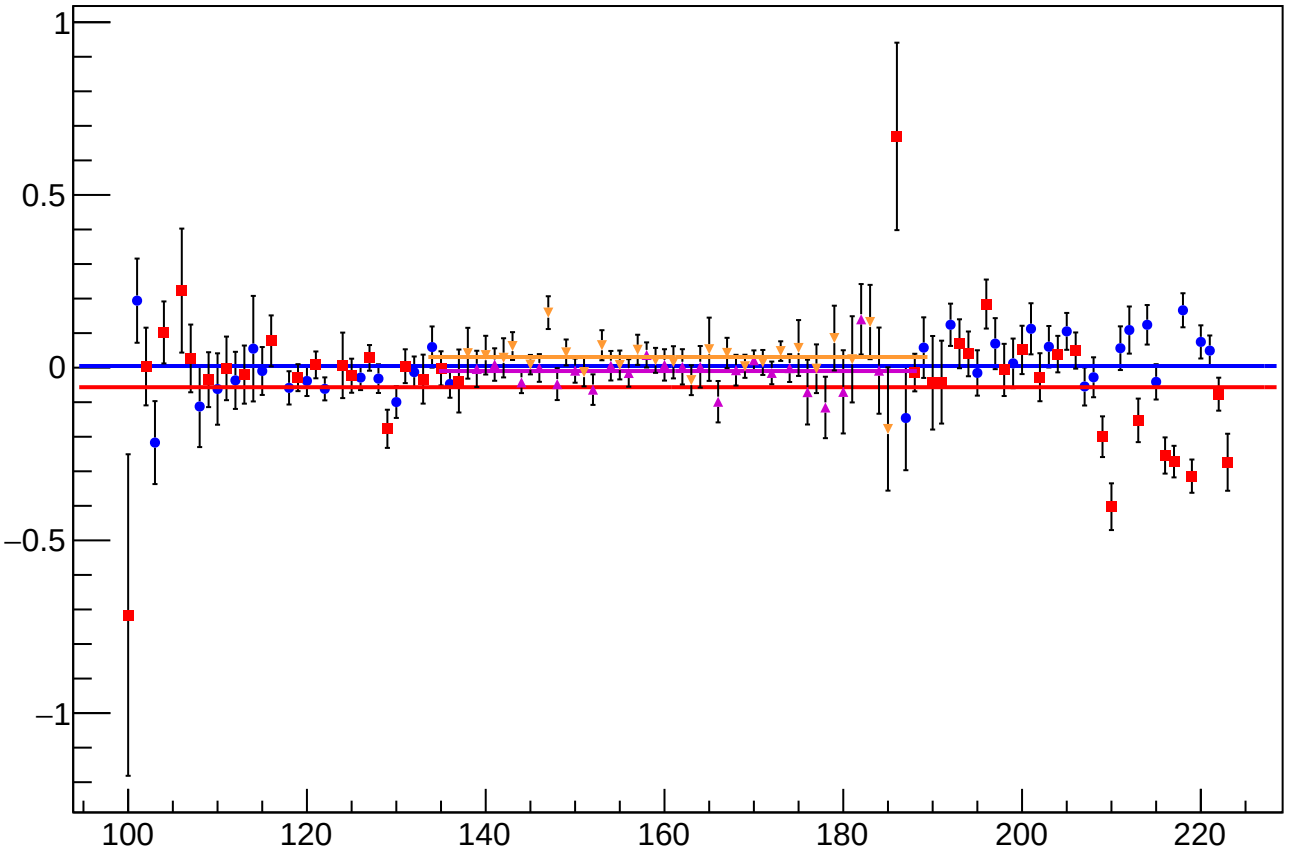
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.208+/-0.005 χ^2/NDF: 10085543.4/72

In: 39.446+/-0.005 χ^2/NDF:8623929.5/56

Out: 40.499+/-0.005 χ^2/NDF:9327484.1/63

All: 39.971+/-0.003 χ^2/NDF: 17975911.9/120



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

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

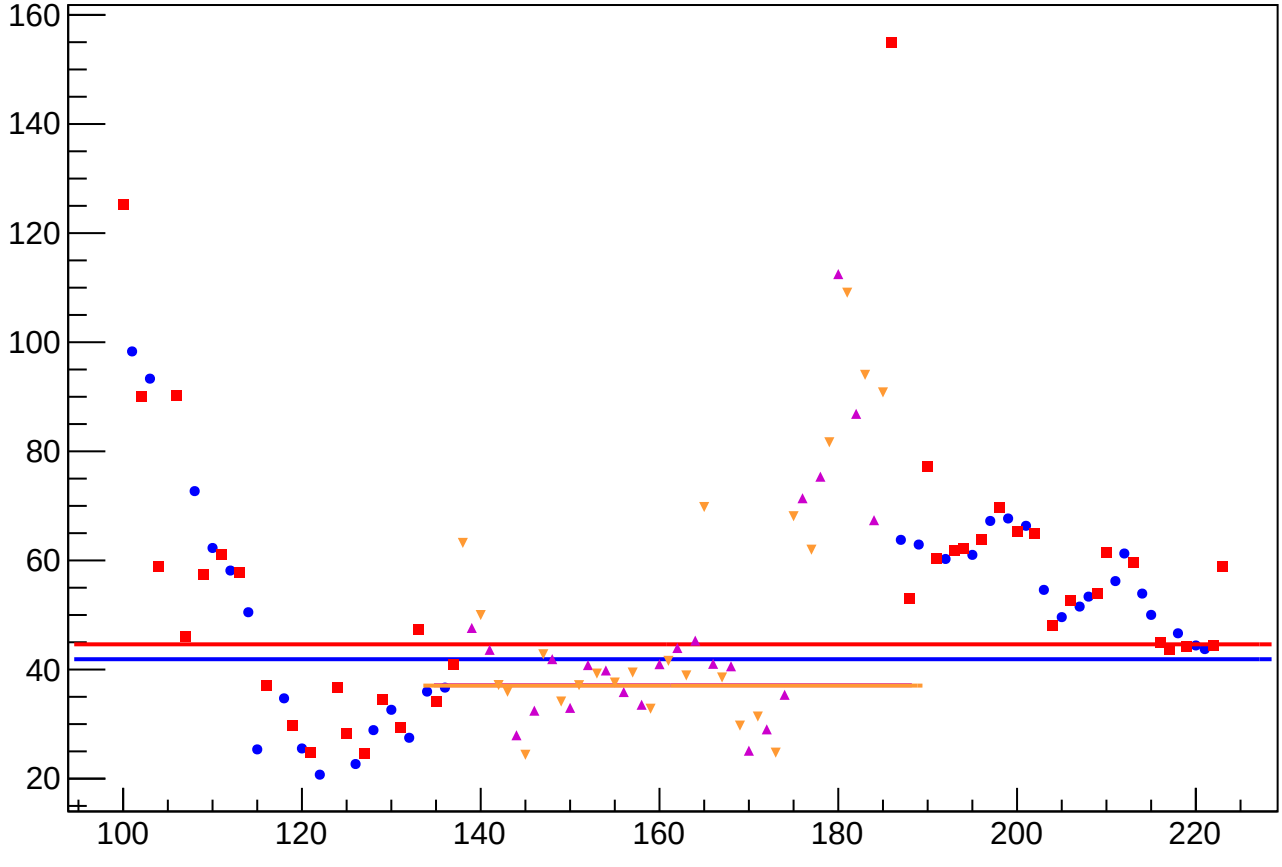
Right: -0.025+/-0.007 χ^2/NDF: 250.5/72

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.009+/-0.007 χ^2/NDF:230.7/63

All: -0.006+/-0.005 χ^2/NDF: 305.3/120

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

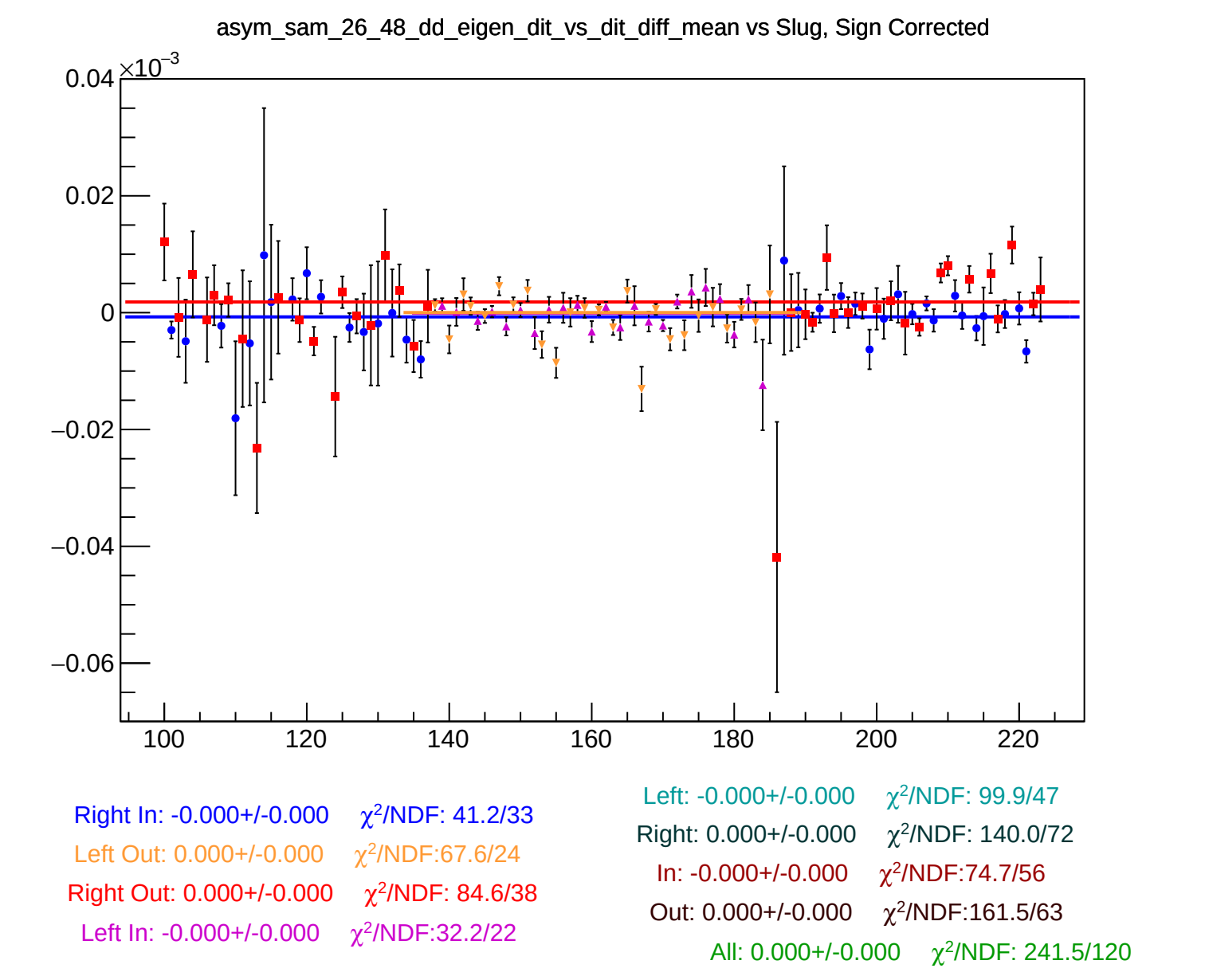
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.208+/-0.005 χ^2/NDF: 10085543.4/72

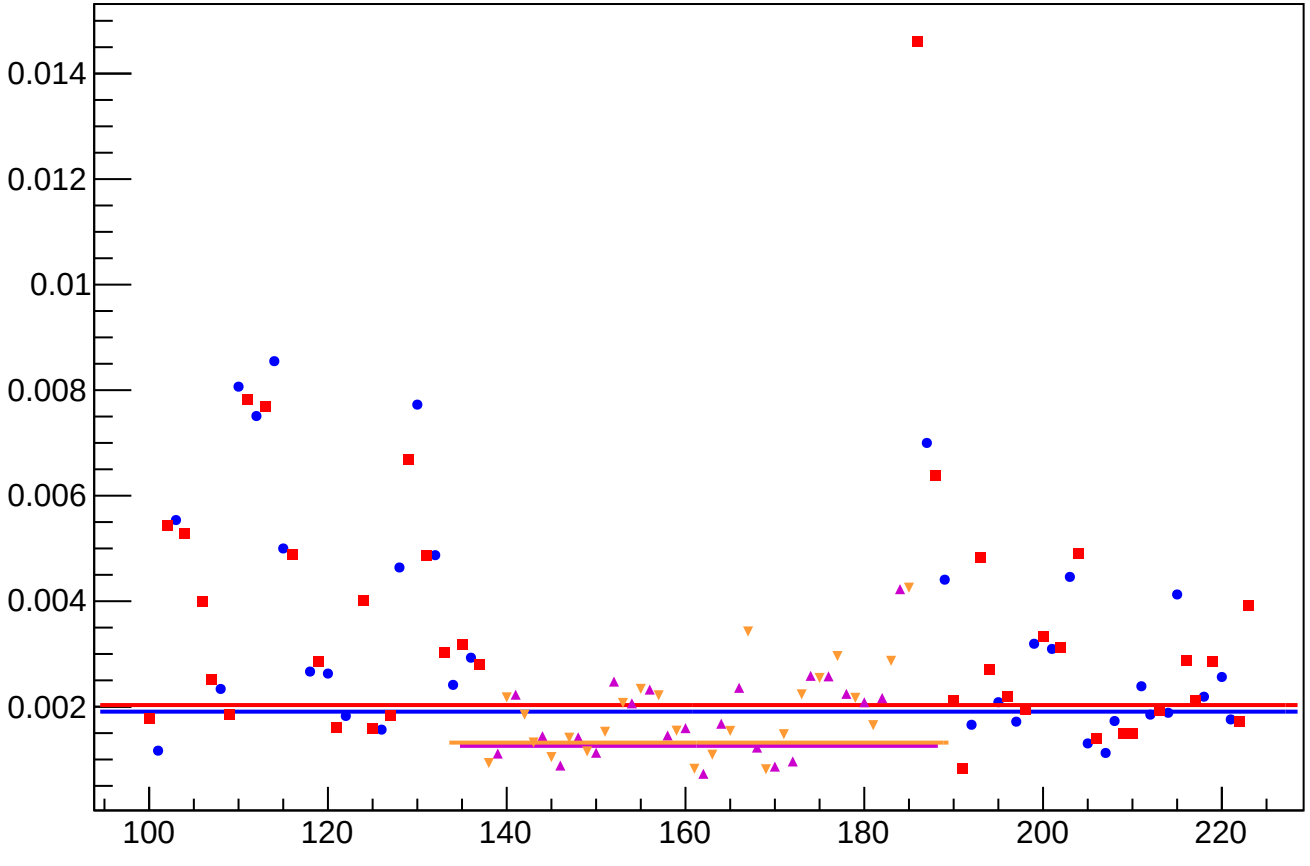
In: 39.446+/-0.005 χ^2/NDF:8623929.5/56

Out: 40.499+/-0.005 χ^2/NDF:9327484.1/63

All: 39.971+/-0.003 χ^2/NDF: 17975911.9/120


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
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
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: 0.000+/-0.000 χ²/NDF: 140.0/72
In: -0.000+/-0.000 χ²/NDF:74.7/56
Out: 0.000+/-0.000 χ²/NDF:161.5/63
All: 0.000+/-0.000 χ²/NDF: 241.5/120

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

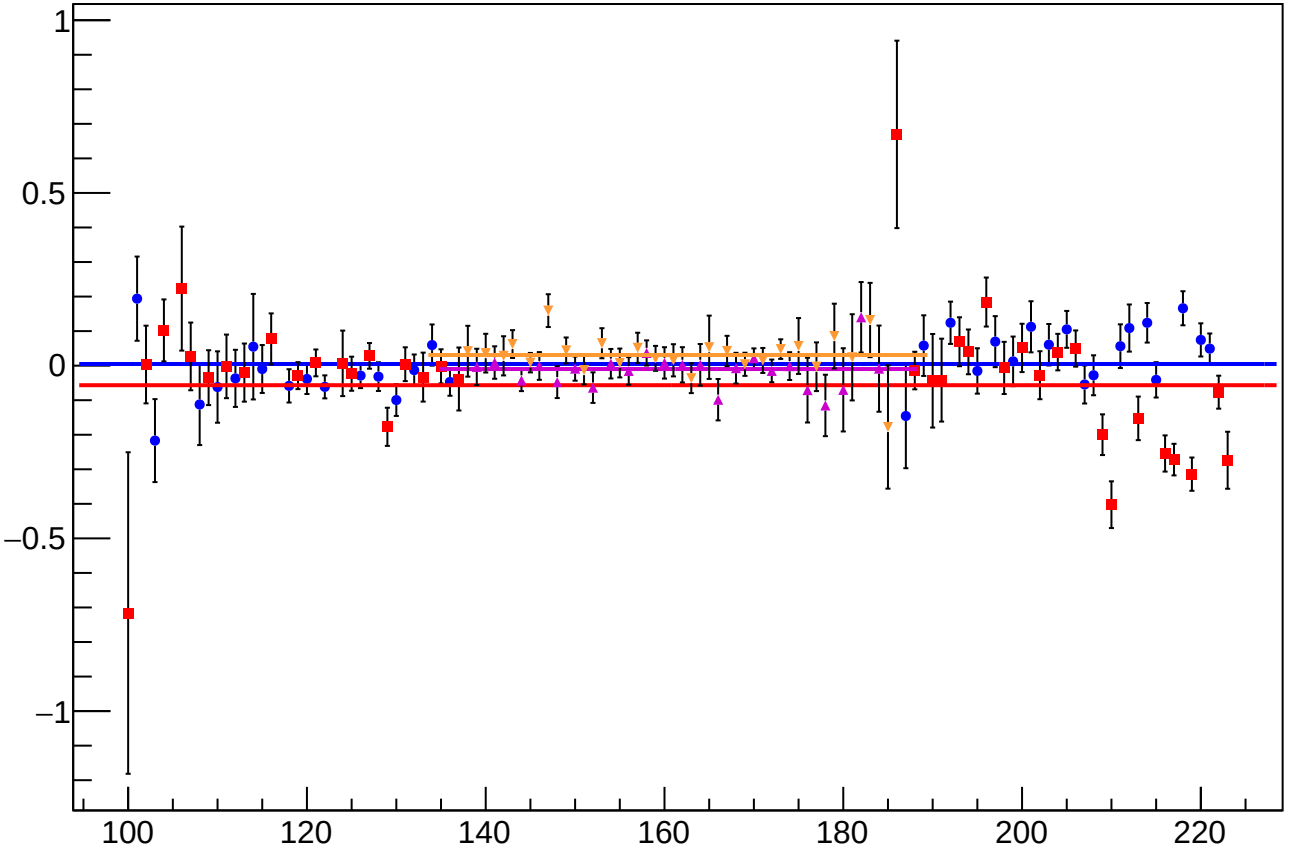
Right: 0.002+/-0.000 χ^2/NDF: 16496391.4/72

In: 0.001+/-0.000 χ^2/NDF:15290477.2/56

Out: 0.002+/-0.000 χ^2/NDF:17591933.9/63

All: 0.002+/-0.000 χ^2/NDF: 32950357.4/120

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

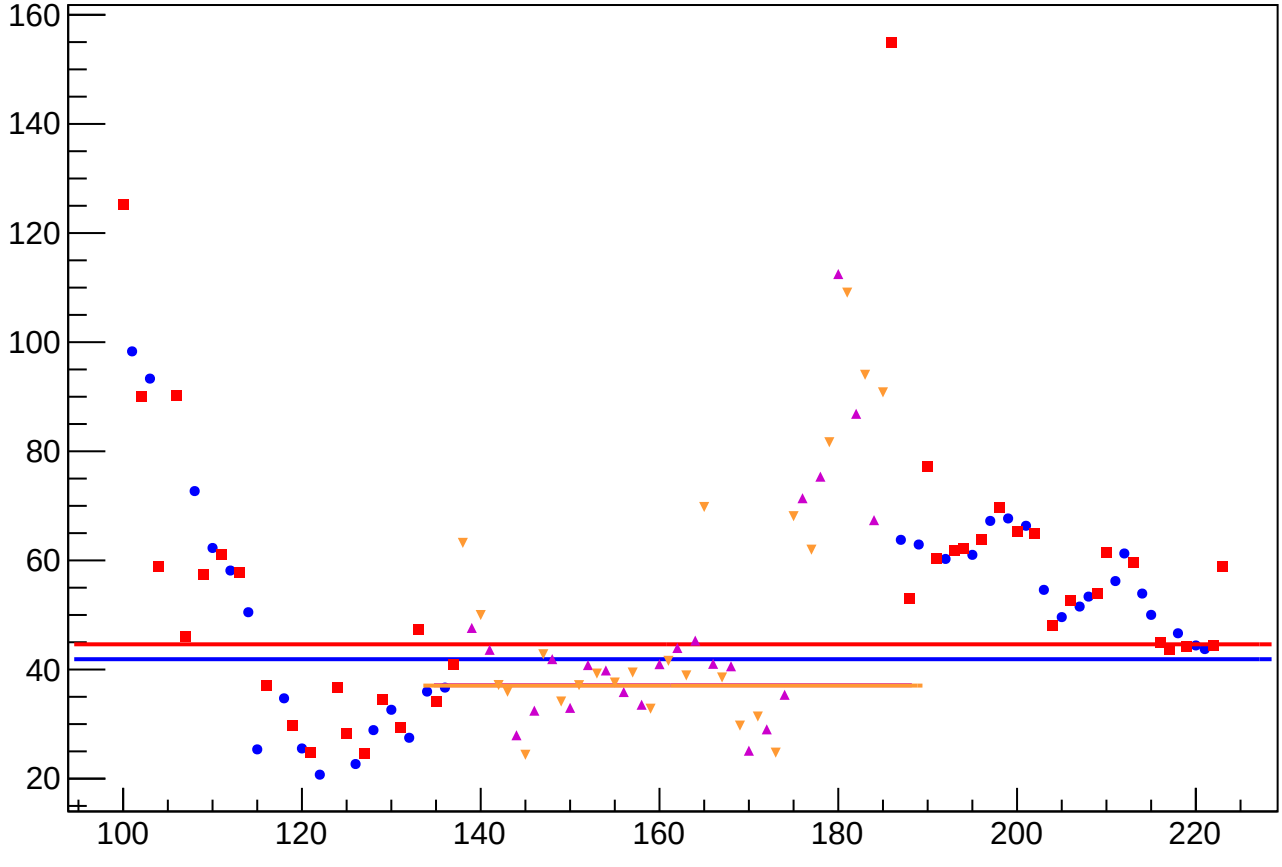
Right: -0.025+/-0.007 χ^2/NDF: 250.4/72

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.009+/-0.007 χ^2/NDF:230.6/63

All: -0.006+/-0.005 χ^2/NDF: 305.3/120

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

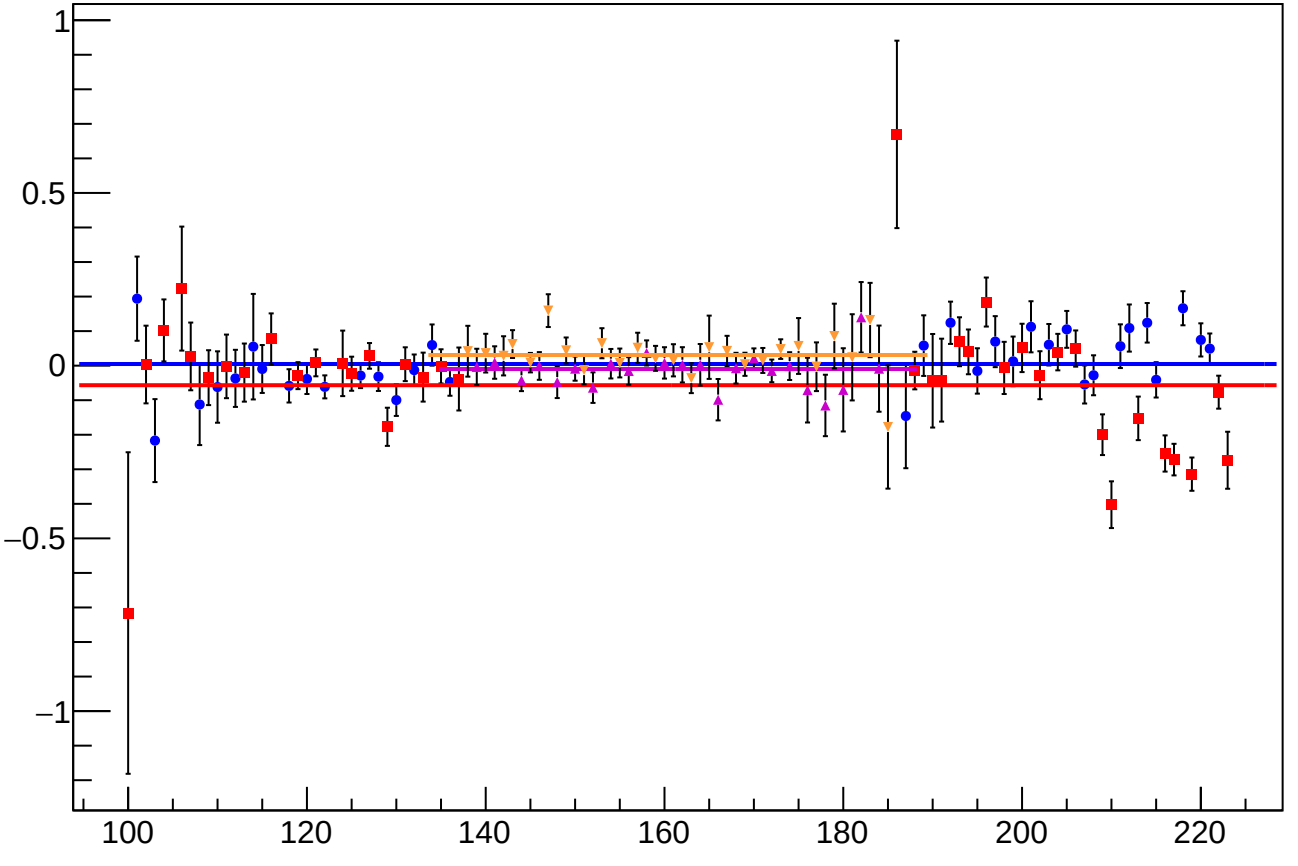
Right: 43.208+/-0.005 χ^2/NDF: 10085188.6/72

In: 39.446+/-0.005 χ^2/NDF:8623793.0/56

Out: 40.499+/-0.005 χ^2/NDF:9327325.3/63

All: 39.971+/-0.003 χ^2/NDF: 17975617.1/120

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

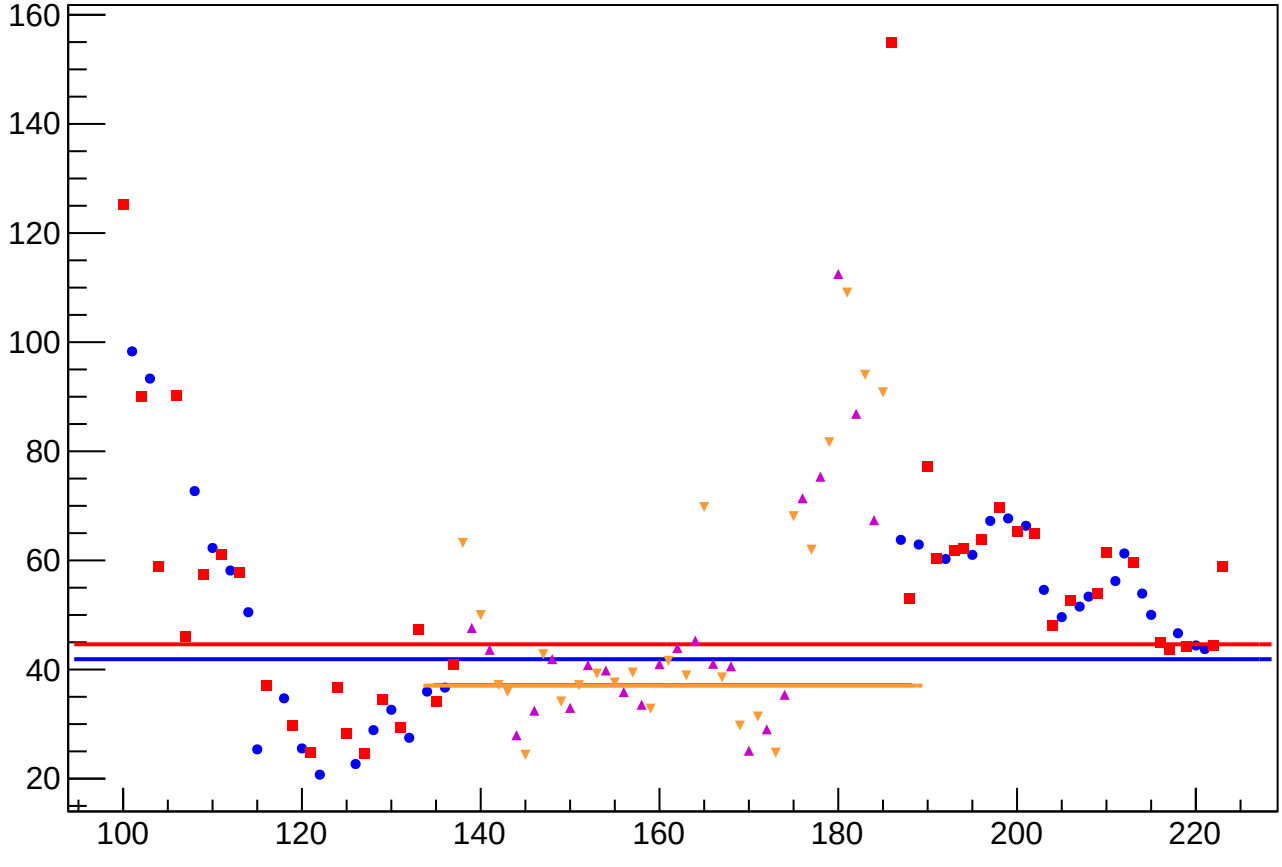
Right: -0.025+/-0.007 χ^2/NDF: 250.4/72

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.009+/-0.007 χ^2/NDF:230.6/63

All: -0.006+/-0.005 χ^2/NDF: 305.3/120

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

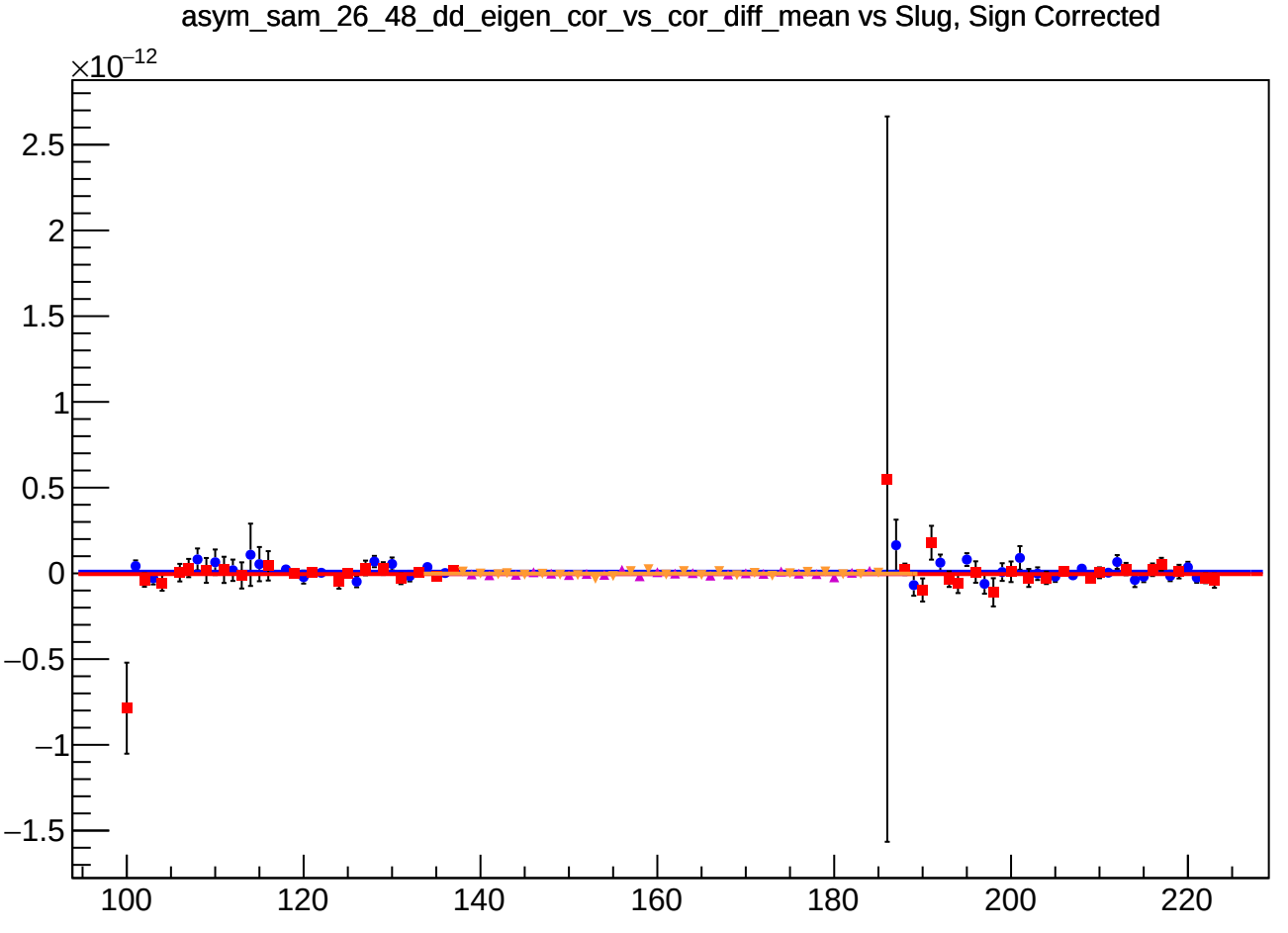
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 43.208+/-0.005 χ^2/NDF: 10085188.6/72

In: 39.446+/-0.005 χ^2/NDF:8623793.0/56

Out: 40.499+/-0.005 χ^2/NDF:9327325.3/63

All: 39.971+/-0.003 χ^2/NDF: 17975617.1/120



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

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

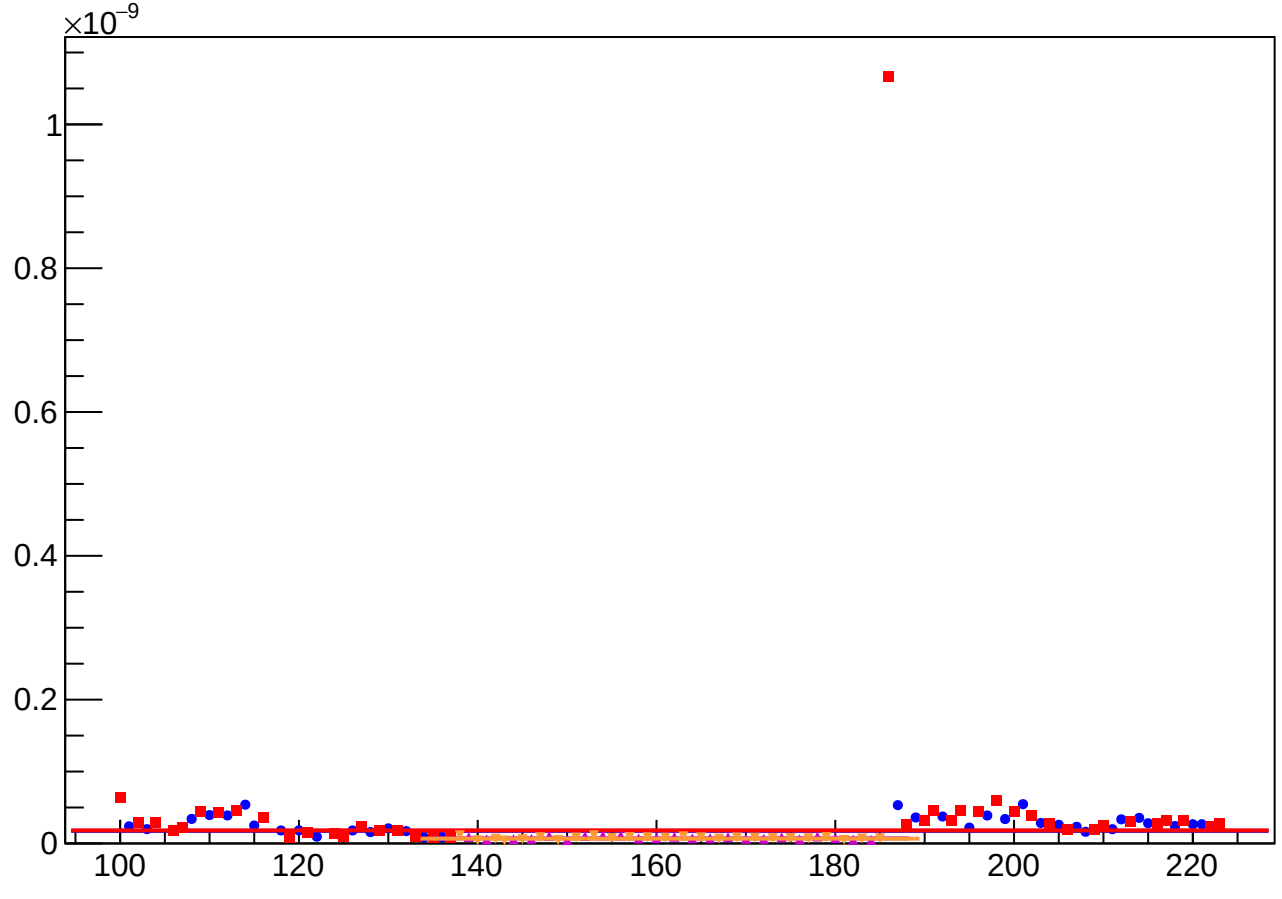
Right: 0.000+/-0.000 χ^2/NDF: 73.8/72

In: -0.000+/-0.000 χ^2/NDF:62.3/56

Out: -0.000+/-0.000 χ^2/NDF:60.2/63

All: -0.000+/-0.000 χ^2/NDF: 122.5/120

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

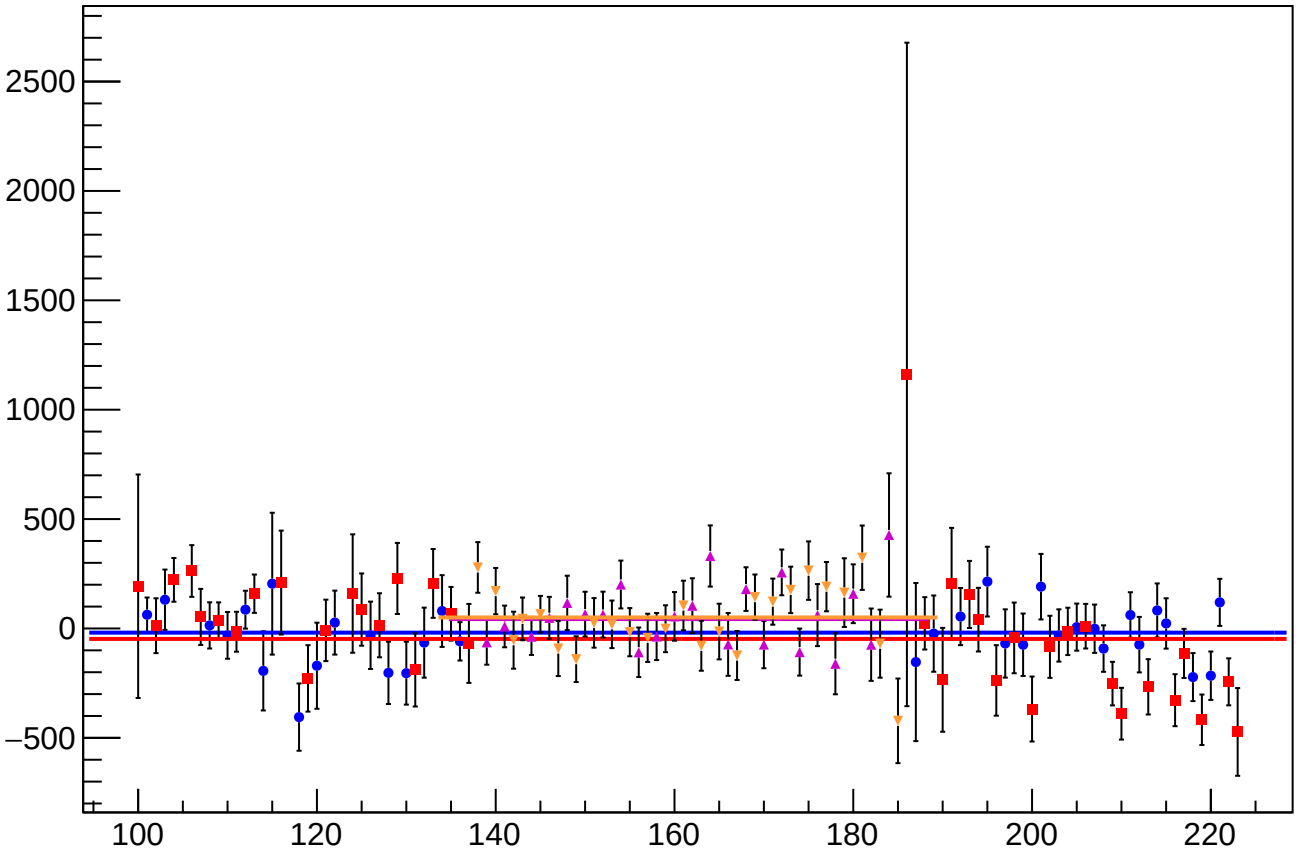
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15484489.8/72

In: 0.000+/-0.000 χ^2/NDF:15541151.5/56

Out: 0.000+/-0.000 χ^2/NDF:18886124.5/63

All: 0.000+/-0.000 χ^2/NDF: 34512681.2/120



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

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

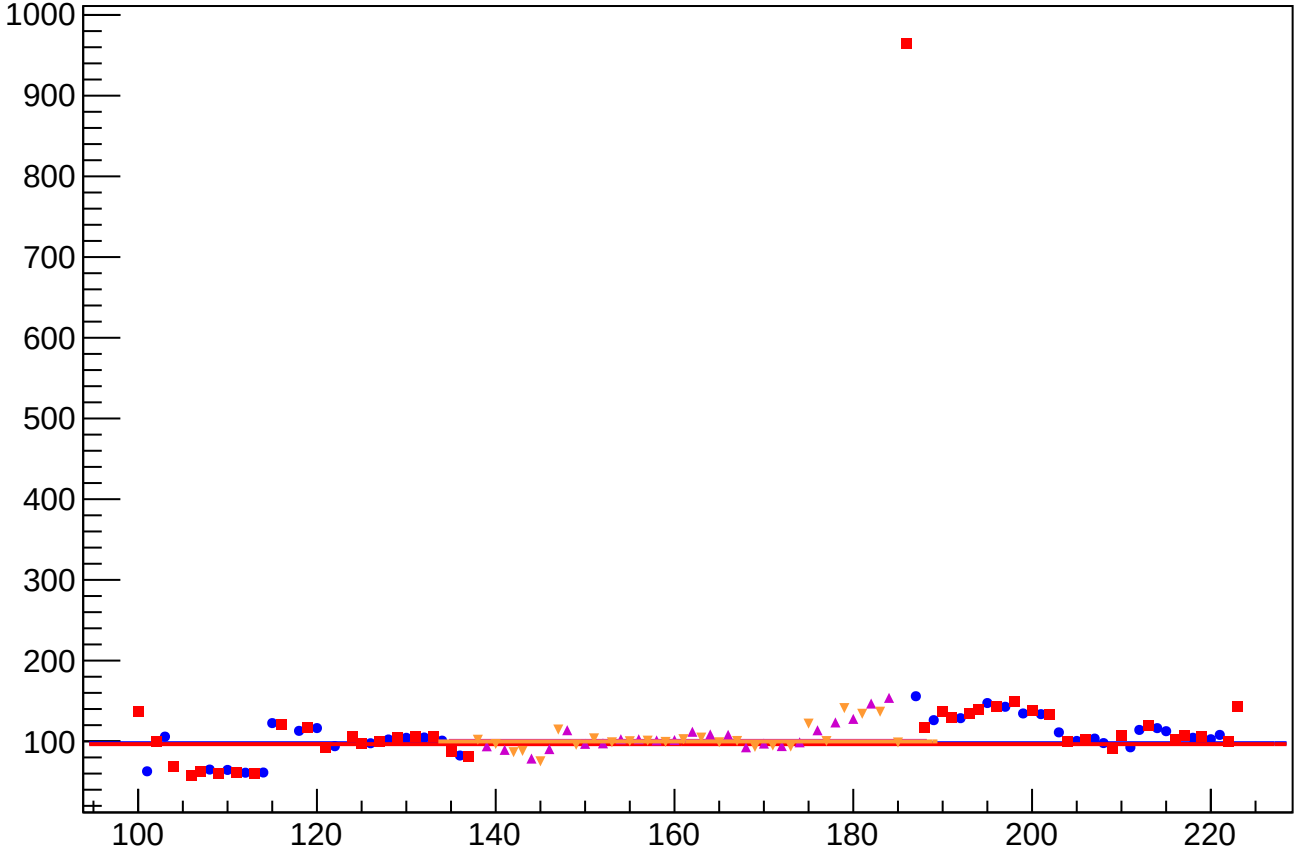
Right: -33.643+/-15.064 χ^2/NDF: 116.4/72

In: 8.800+/-15.923 χ^2/NDF:61.8/56

Out: -2.730+/-15.557 χ^2/NDF:127.3/63

All: 2.901+/-11.128 χ^2/NDF: 189.5/120

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

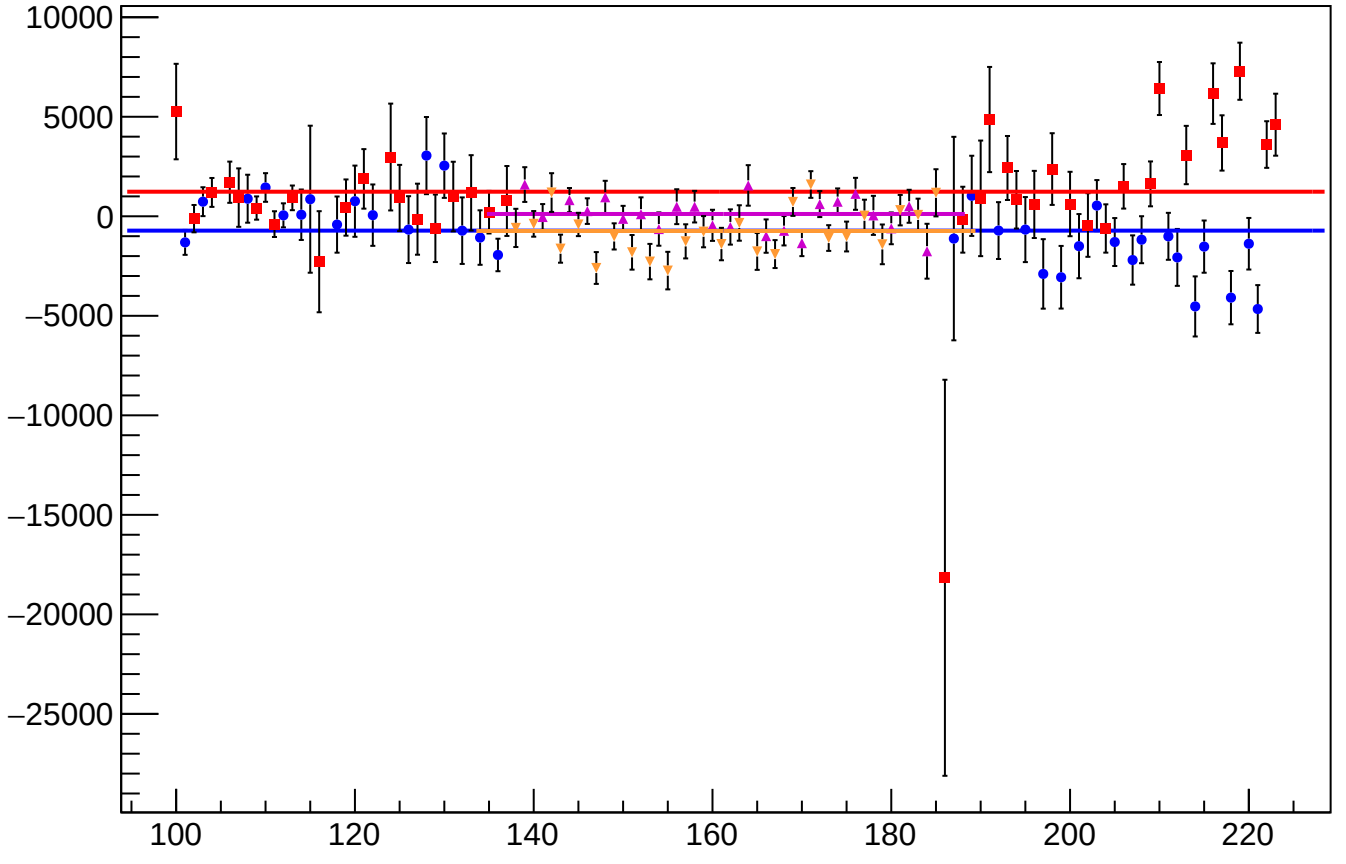
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 97.045+/-0.011 χ^2/NDF: 6052621.4/72

In: 98.923+/-0.011 χ^2/NDF:3022876.8/56

Out: 98.016+/-0.011 χ^2/NDF:4420619.3/63

All: 98.459+/-0.008 χ^2/NDF: 7446816.5/120



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

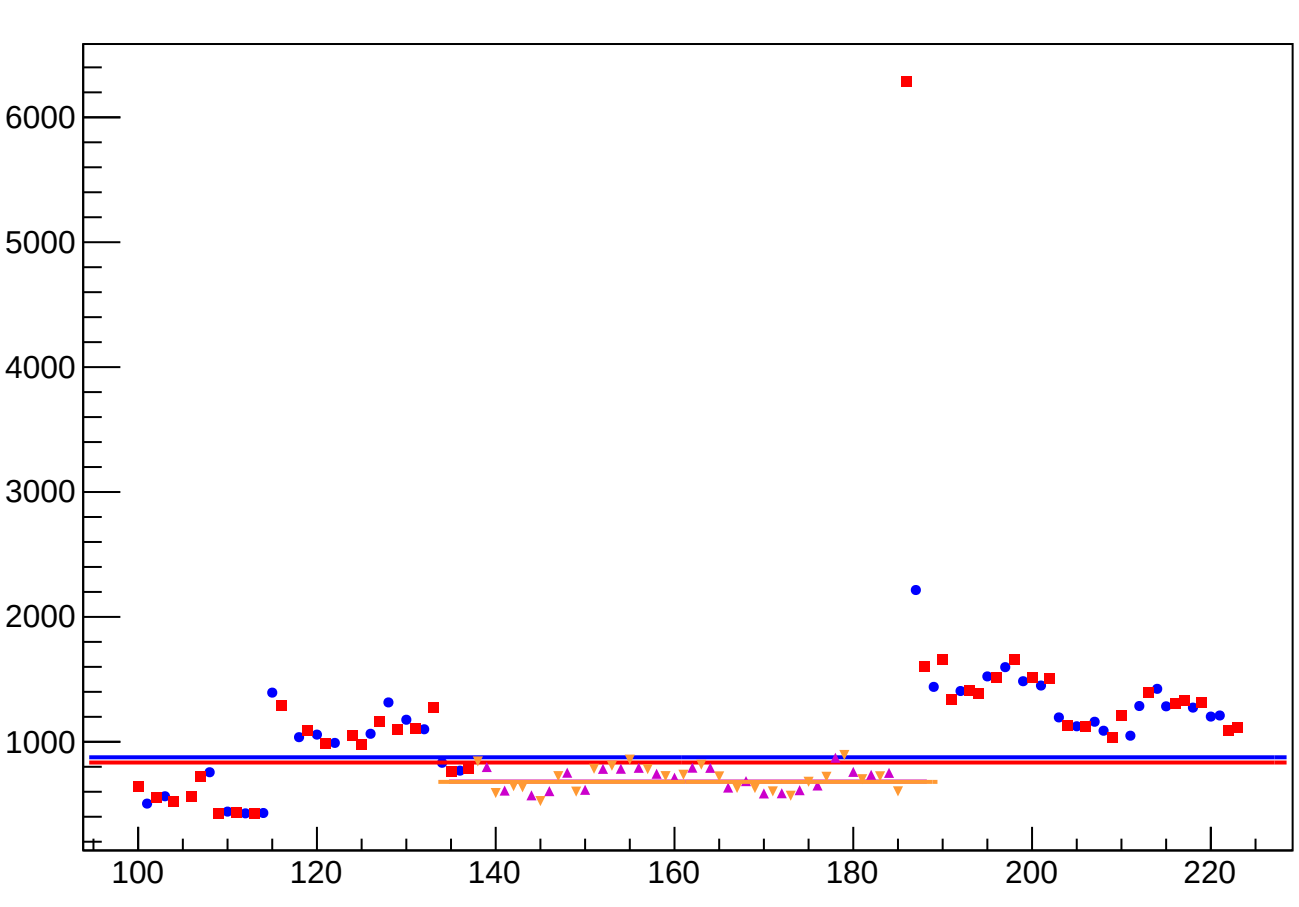
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

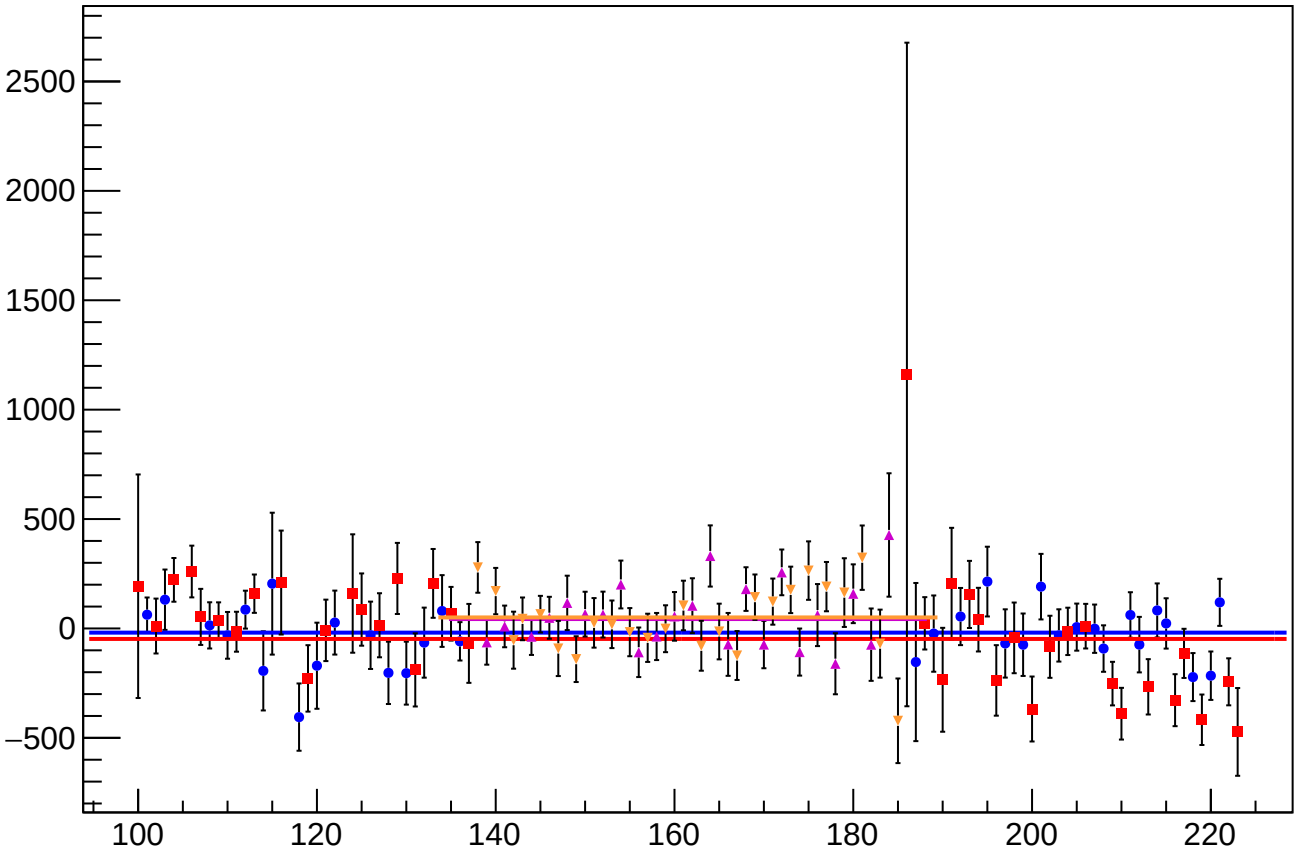
Right: 300.438+/-140.668 χ^2/NDF: 199.3/72

In: -206.272+/-126.258 χ^2/NDF:95.8/56

Out: 35.133+/-121.881 χ^2/NDF:201.5/63

All: -81.313+/-87.689 χ^2/NDF: 299.2/120


asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 876.025+/-0.144 χ²/NDF: 6822995.2/33
Left Out: 679.146+/-0.111 χ²/NDF:737419.7/24
Right Out: 834.125+/-0.138 χ²/NDF: 8825915.1/38
Left In: 681.893+/-0.114 χ²/NDF:573812.4/22
Left: 680.479+/-0.079 χ²/NDF: 1311531.8/47
Right: 854.146+/-0.099 χ²/NDF: 15693185.8/72
In: 756.622+/-0.089 χ²/NDF:8516293.0/56
Out: 739.900+/-0.086 χ²/NDF:10334058.5/63
All: 747.966+/-0.062 χ²/NDF: 18868510.3/12



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

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

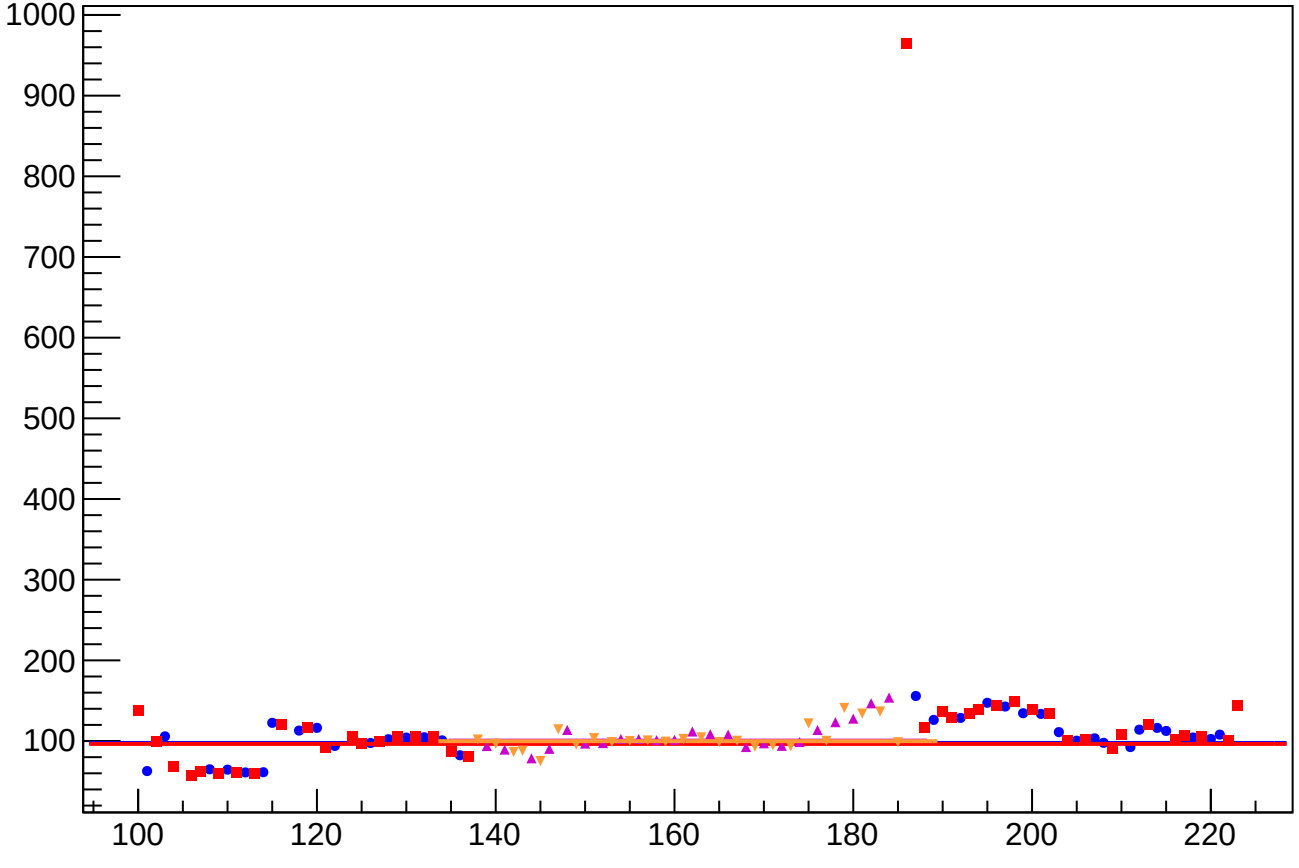
Right: -33.713+/-15.064 χ^2/NDF: 116.3/72

In: 8.799+/-15.923 χ^2/NDF:61.8/56

Out: -2.798+/-15.557 χ^2/NDF:127.2/63

All: 2.866+/-11.128 χ^2/NDF: 189.4/120

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

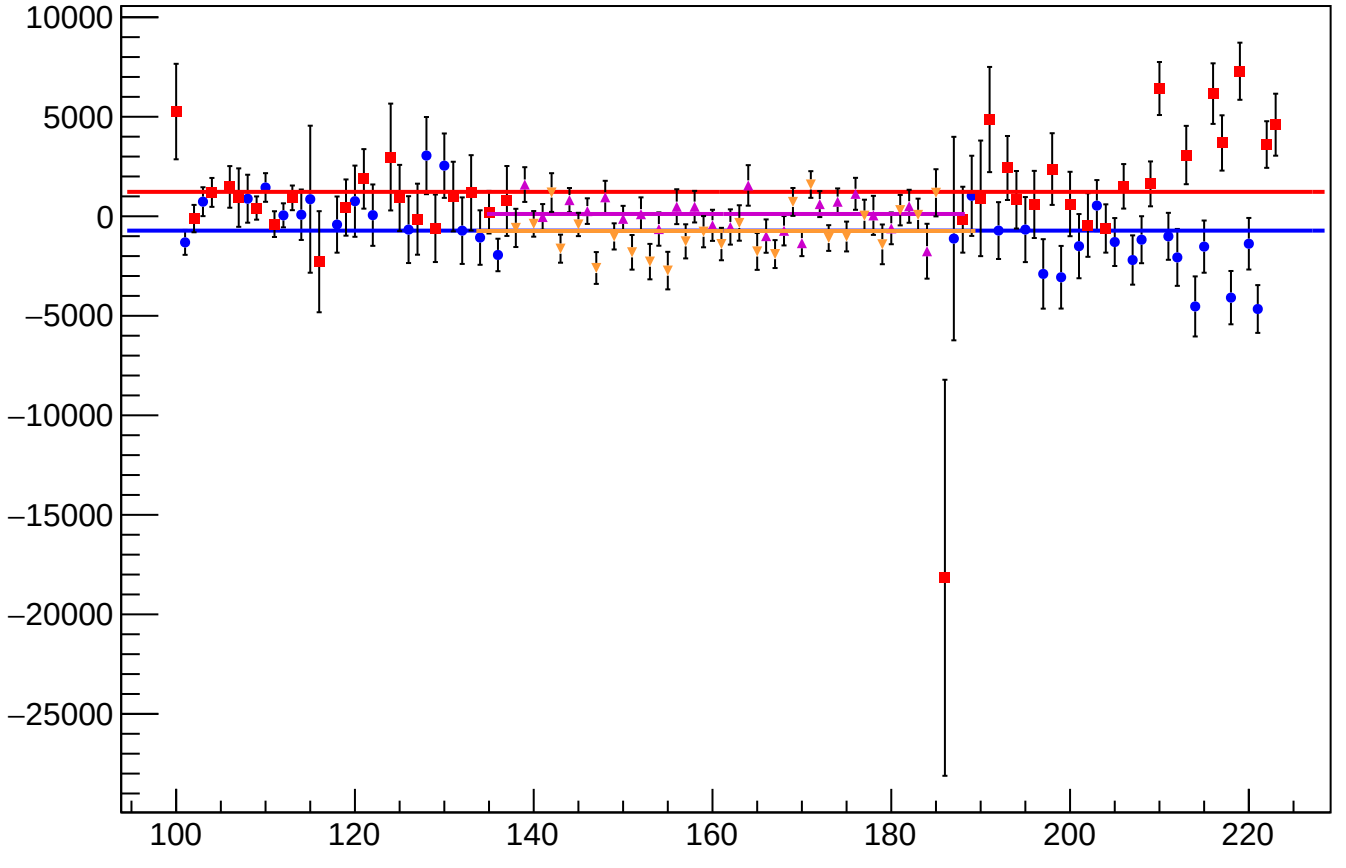
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 97.041+/-0.011 χ^2/NDF: 6056225.0/72

In: 98.923+/-0.011 χ^2/NDF:3022877.6/56

Out: 98.012+/-0.011 χ^2/NDF:4424292.5/63

All: 98.457+/-0.008 χ^2/NDF: 7450522.7/120



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

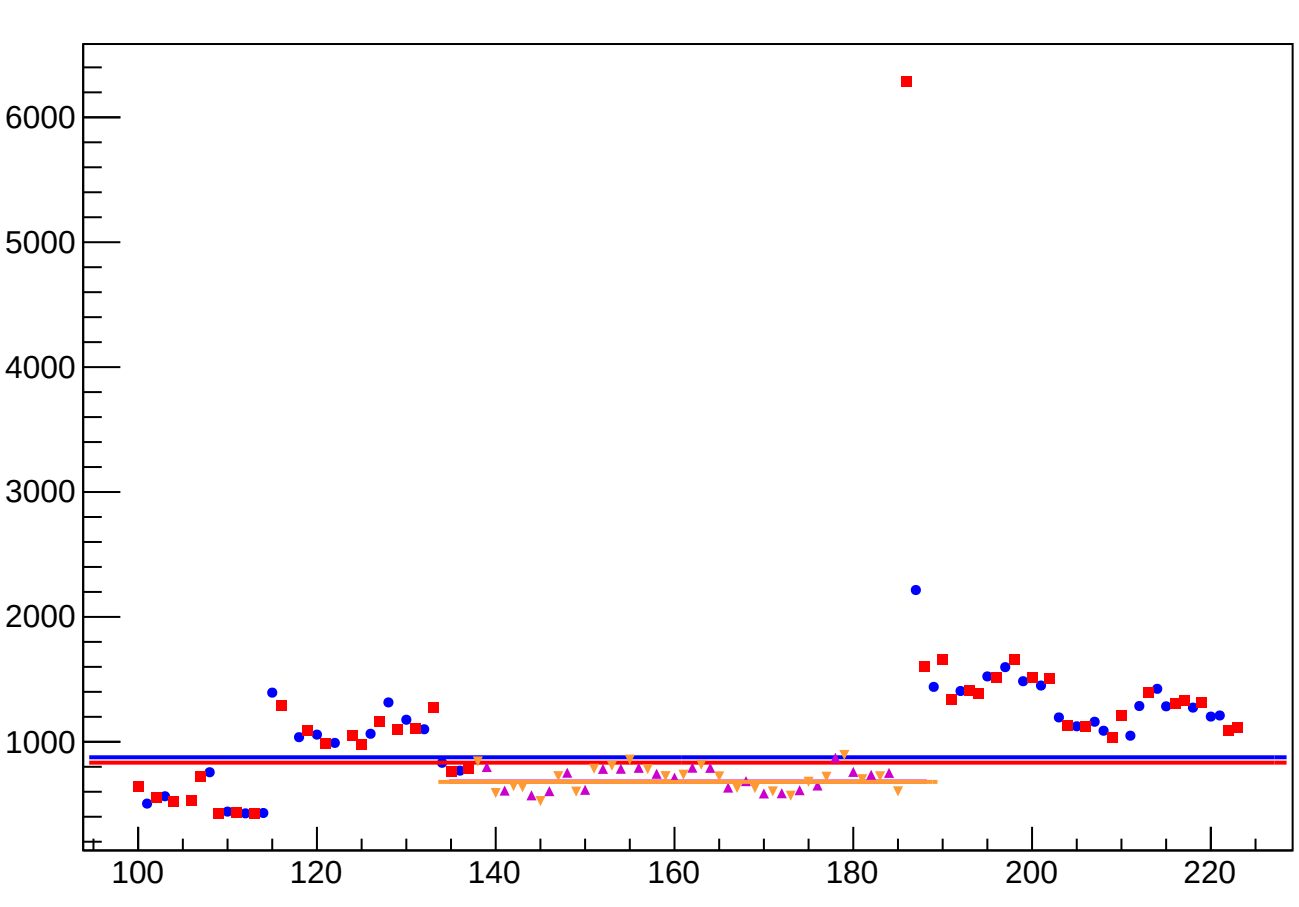
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

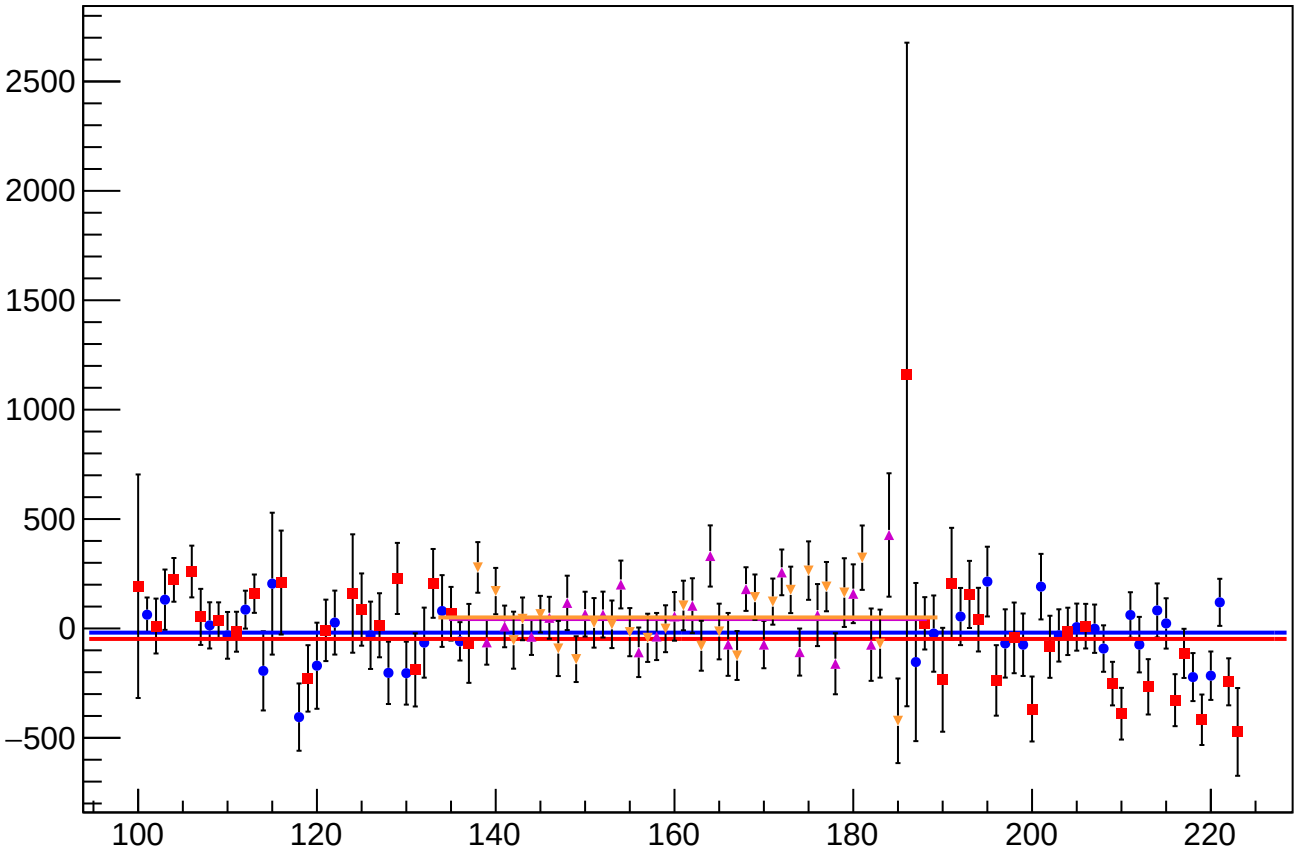
Right: 295.822+/-140.698 χ^2/NDF: 198.7/72

In: -206.279+/-126.258 χ^2/NDF:95.8/56

Out: 31.592+/-121.901 χ^2/NDF:200.8/63

All: -83.168+/-87.697 χ^2/NDF: 298.4/120


asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 876.035+/-0.144 χ²/NDF: 6822788.8/33
Left Out: 679.146+/-0.111 χ²/NDF:737418.6/24
Right Out: 833.199+/-0.138 χ²/NDF: 8857838.3/38
Left In: 681.893+/-0.114 χ²/NDF:573813.6/22
Left: 680.479+/-0.079 χ²/NDF: 1311532.0/47
Right: 853.675+/-0.099 χ²/NDF: 15726883.2/72
In: 756.625+/-0.089 χ²/NDF:8516183.7/56
Out: 739.507+/-0.086 χ²/NDF:10356412.9/63
All: 747.766+/-0.062 χ²/NDF: 18891623.5/12



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

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

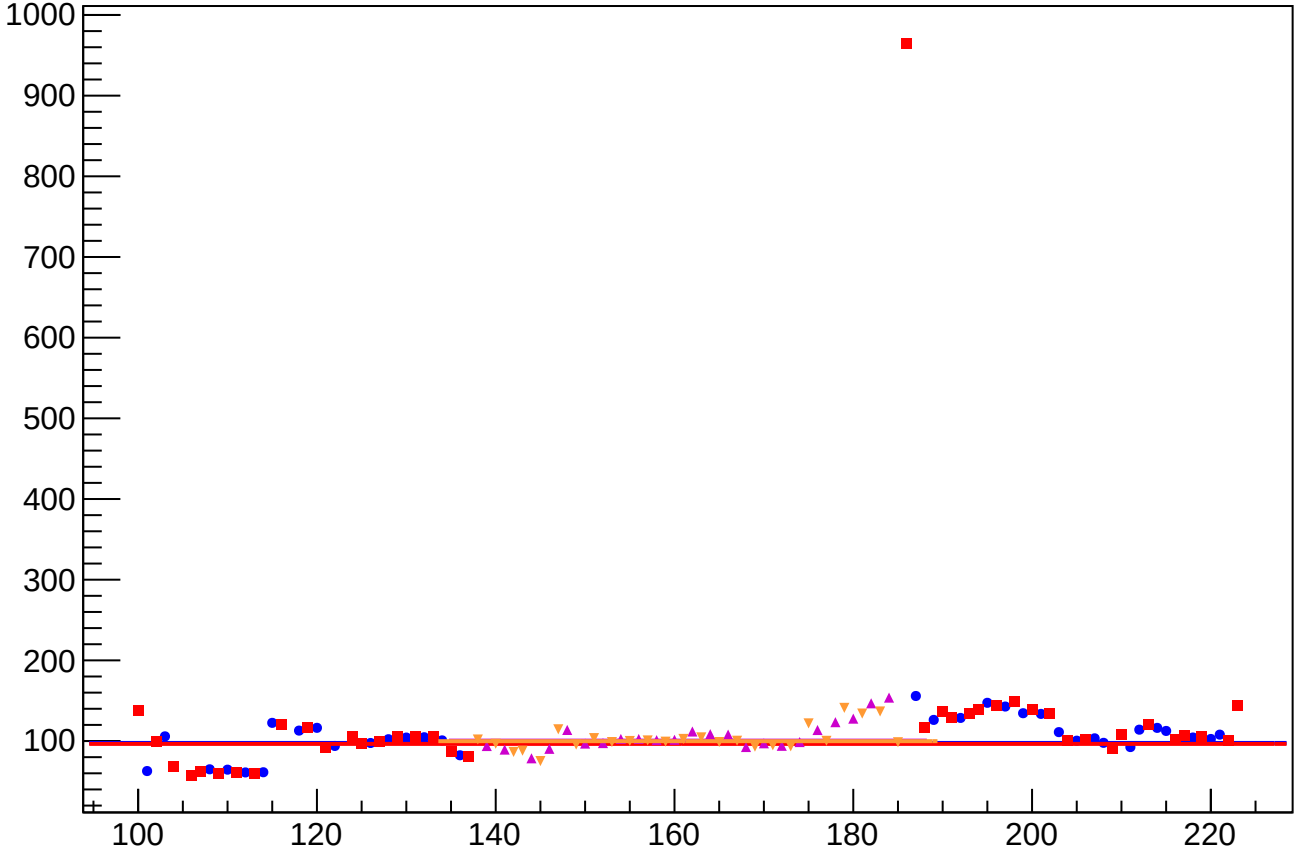
Right: -33.713+/-15.064 χ^2/NDF: 116.3/72

In: 8.799+/-15.923 χ^2/NDF:61.8/56

Out: -2.798+/-15.557 χ^2/NDF:127.2/63

All: 2.866+/-11.128 χ^2/NDF: 189.4/120

eigen_cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

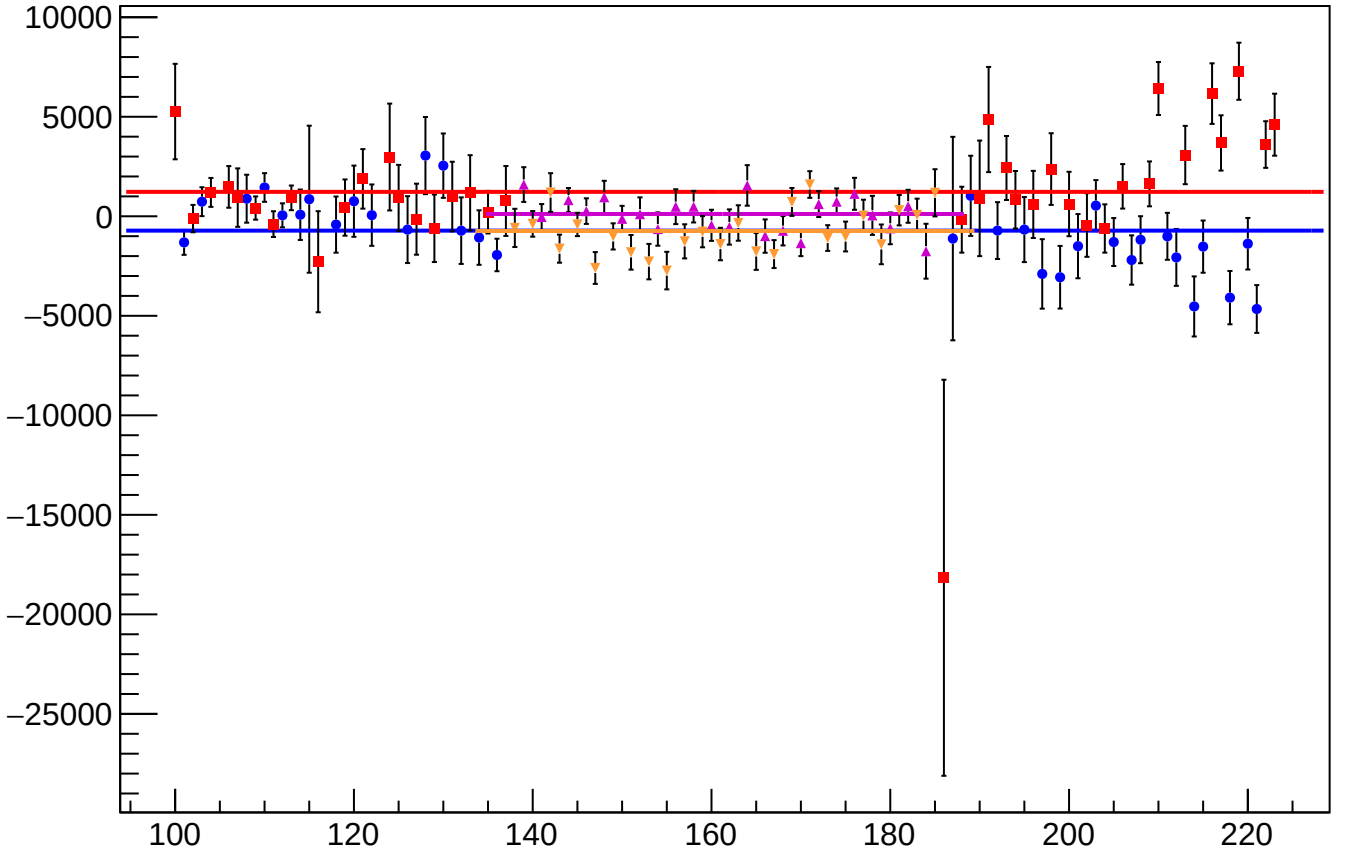
Right: 97.041+/-0.011 χ^2/NDF: 6056225.0/72

In: 98.923+/-0.011 χ^2/NDF:3022877.6/56

Out: 98.012+/-0.011 χ^2/NDF:4424292.5/63

All: 98.457+/-0.008 χ^2/NDF: 7450522.7/120

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

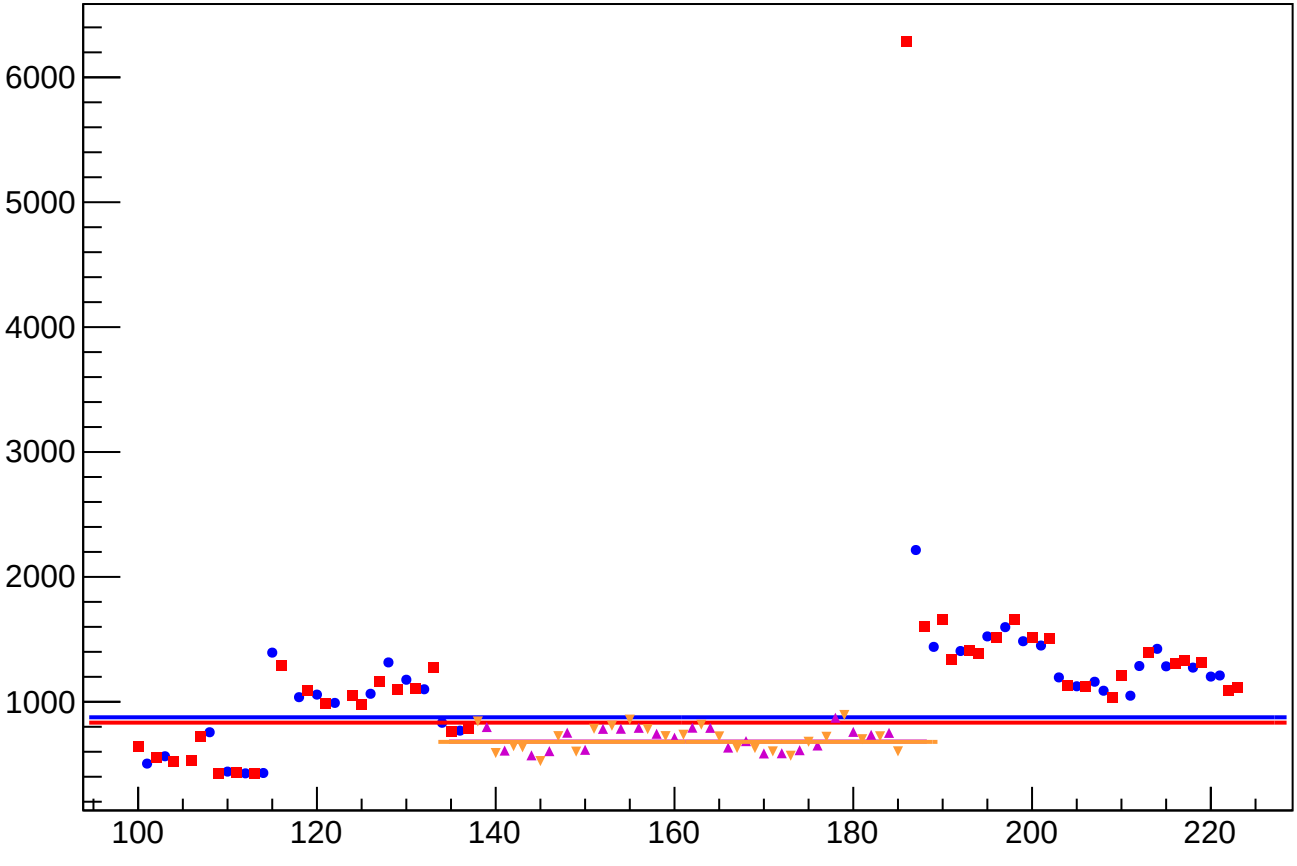
Right: 295.822+/-140.698 χ^2/NDF: 198.7/72

In: -206.279+/-126.258 χ^2/NDF:95.8/56

Out: 31.592+/-121.901 χ^2/NDF:200.8/63

All: -83.168+/-87.697 χ^2/NDF: 298.4/120

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

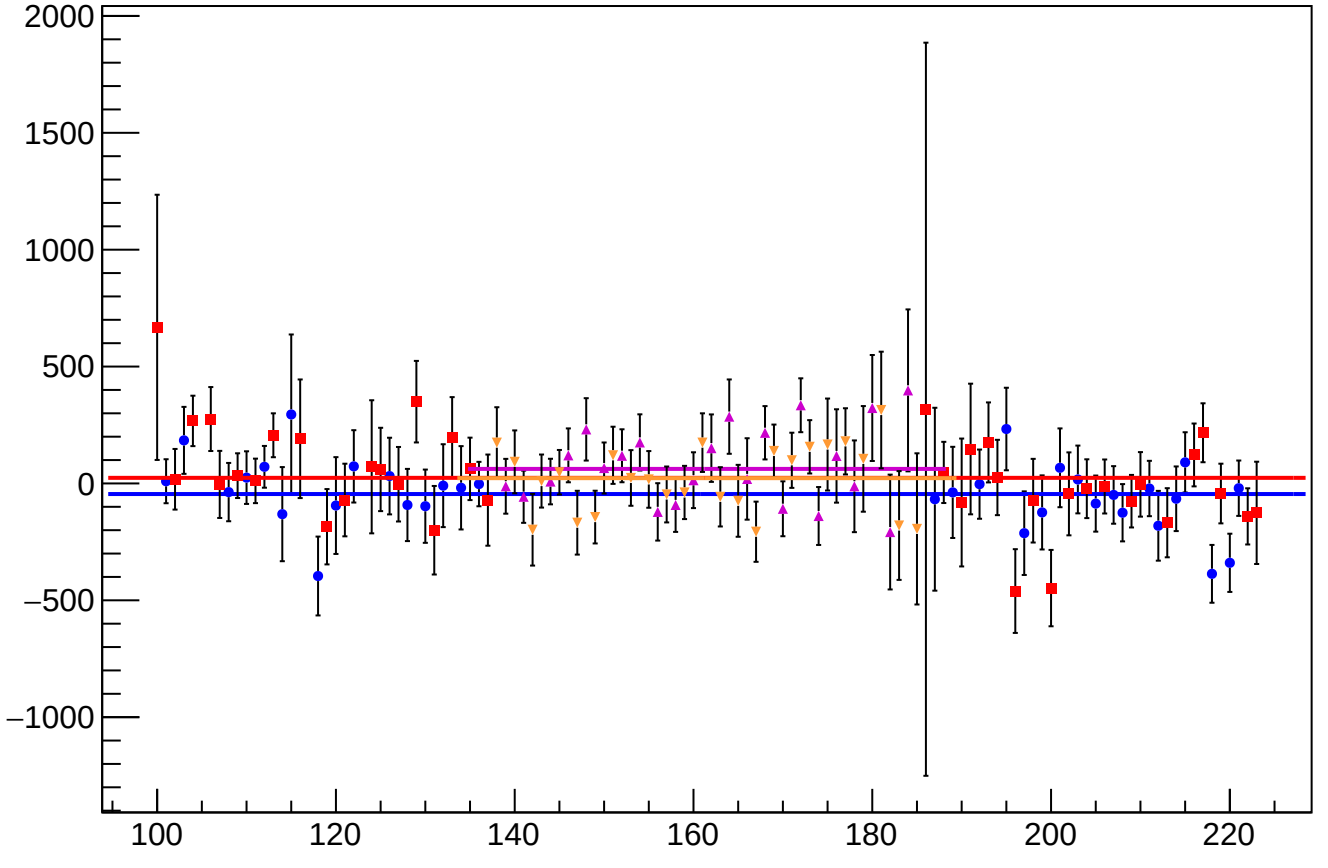
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 853.675+/-0.099 χ^2/NDF: 15726883.2/72

In: 756.625+/-0.089 χ^2/NDF:8516183.7/56

Out: 739.507+/-0.086 χ^2/NDF:10356412.9/63

All: 747.766+/-0.062 χ^2/NDF: 18891623.5/12



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

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

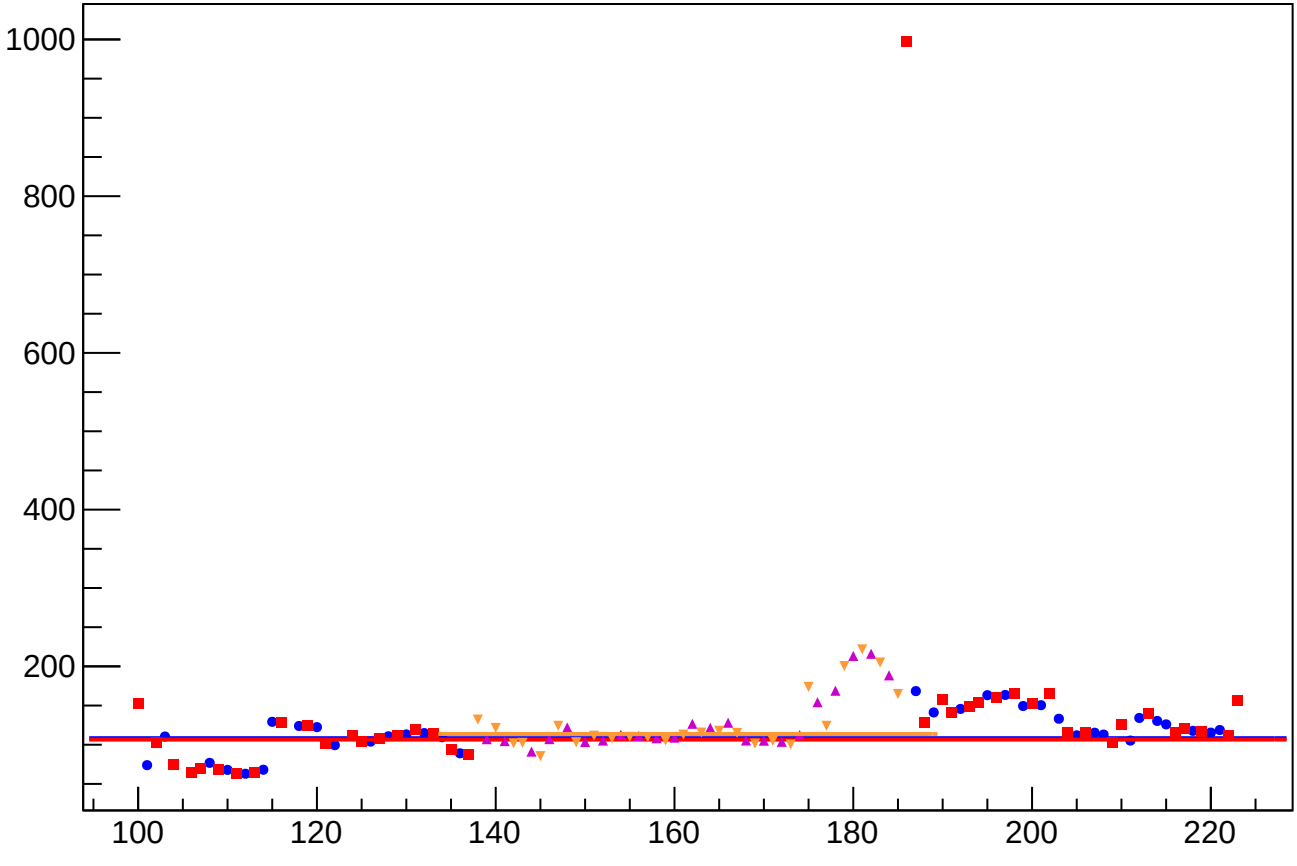
Right: -10.137+/-16.743 χ^2/NDF: 84.2/72

In: 1.173+/-17.985 χ^2/NDF:68.0/56

Out: 23.321+/-17.616 χ^2/NDF:69.6/63

All: 12.476+/-12.585 χ^2/NDF: 138.4/120

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

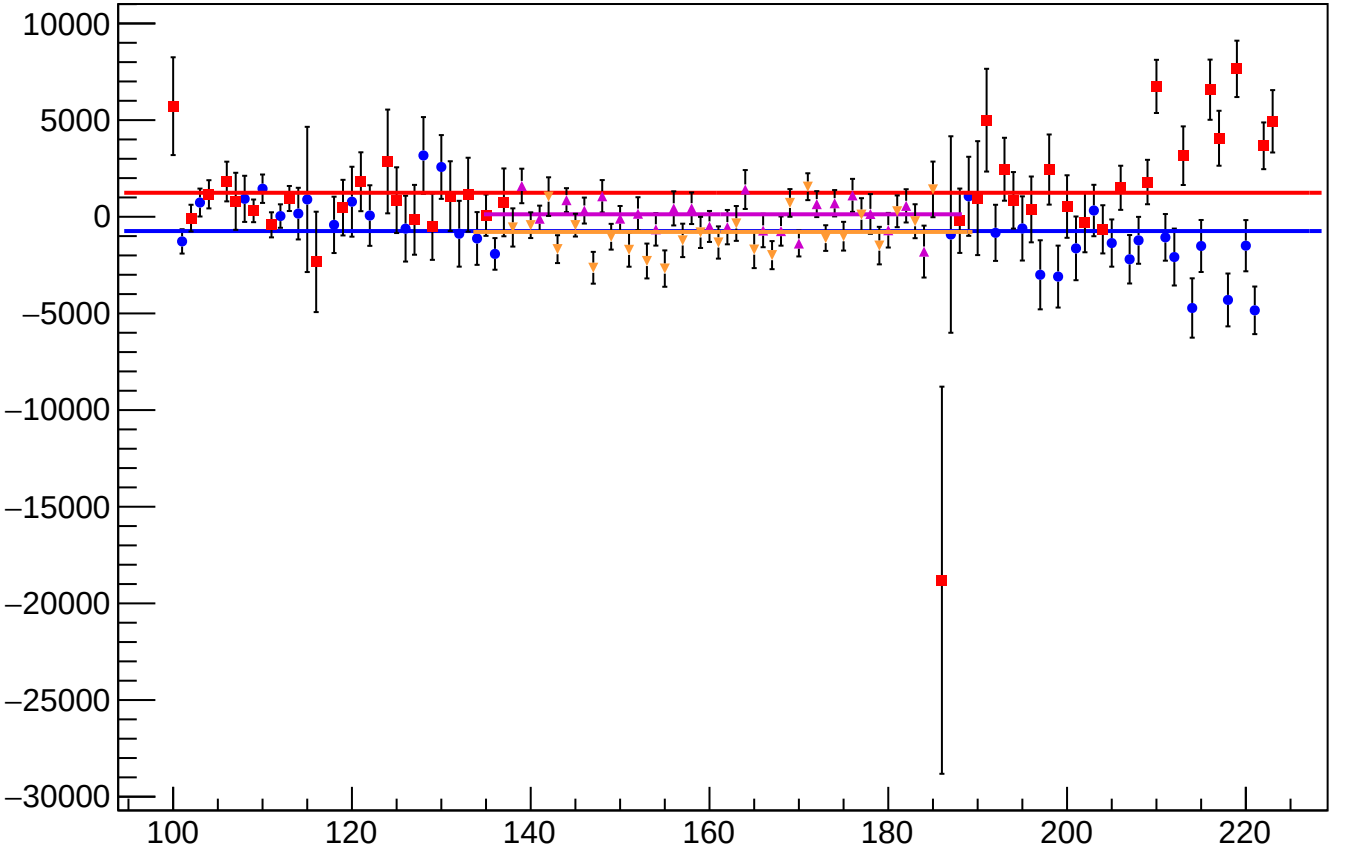
Right: 107.442+/-0.012 χ^2/NDF: 6443963.1/72

In: 110.650+/-0.013 χ^2/NDF:3864544.3/56

Out: 109.718+/-0.012 χ^2/NDF:5595071.1/63

All: 110.174+/-0.009 χ^2/NDF: 9462351.9/120

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



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

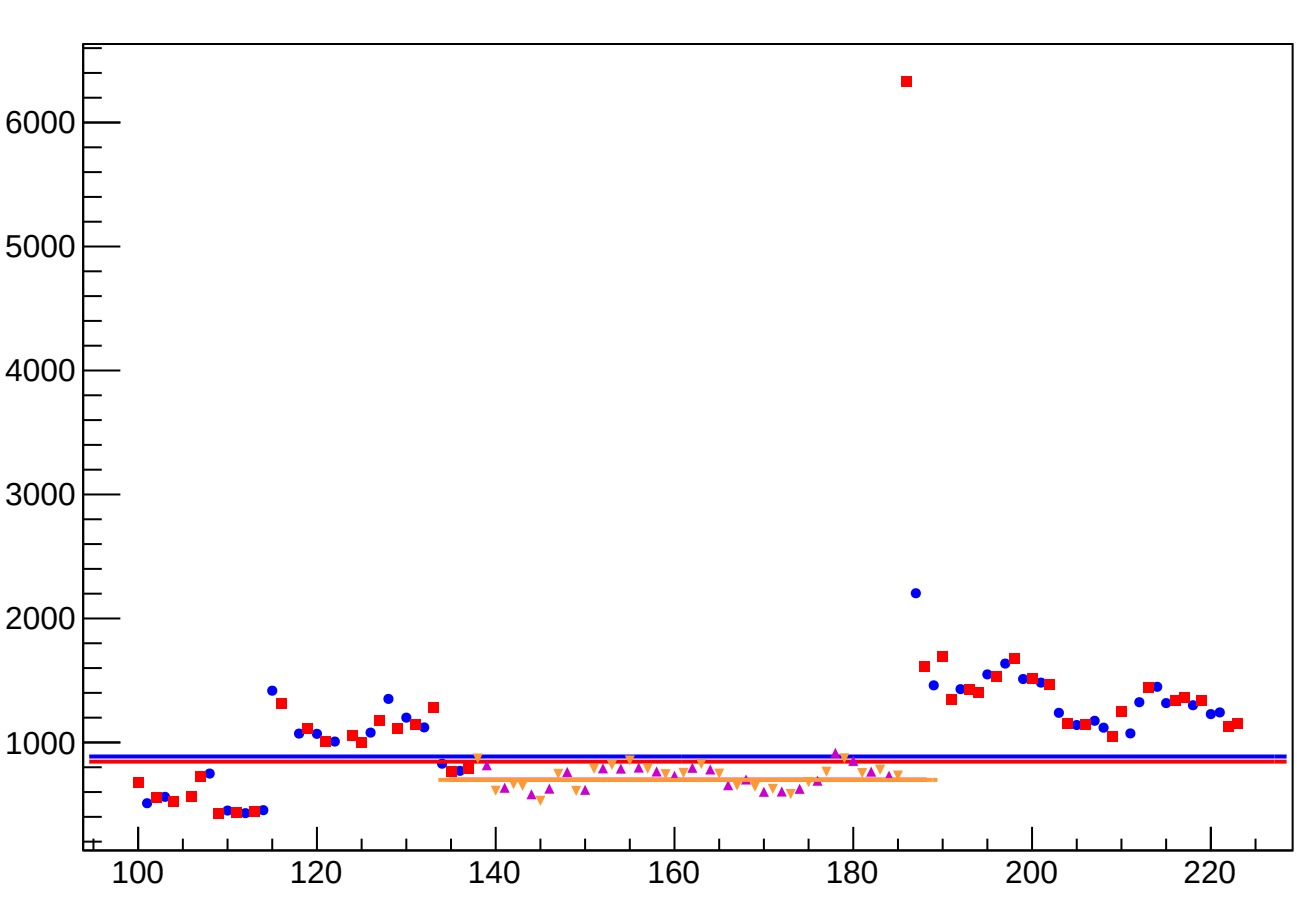
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 295.329+/-142.615 χ^2/NDF: 206.5/72

In: -210.725+/-128.986 χ^2/NDF:96.0/56

Out: 22.110+/-124.508 χ^2/NDF:204.6/63

All: -90.196+/-89.582 χ^2/NDF: 302.4/120



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

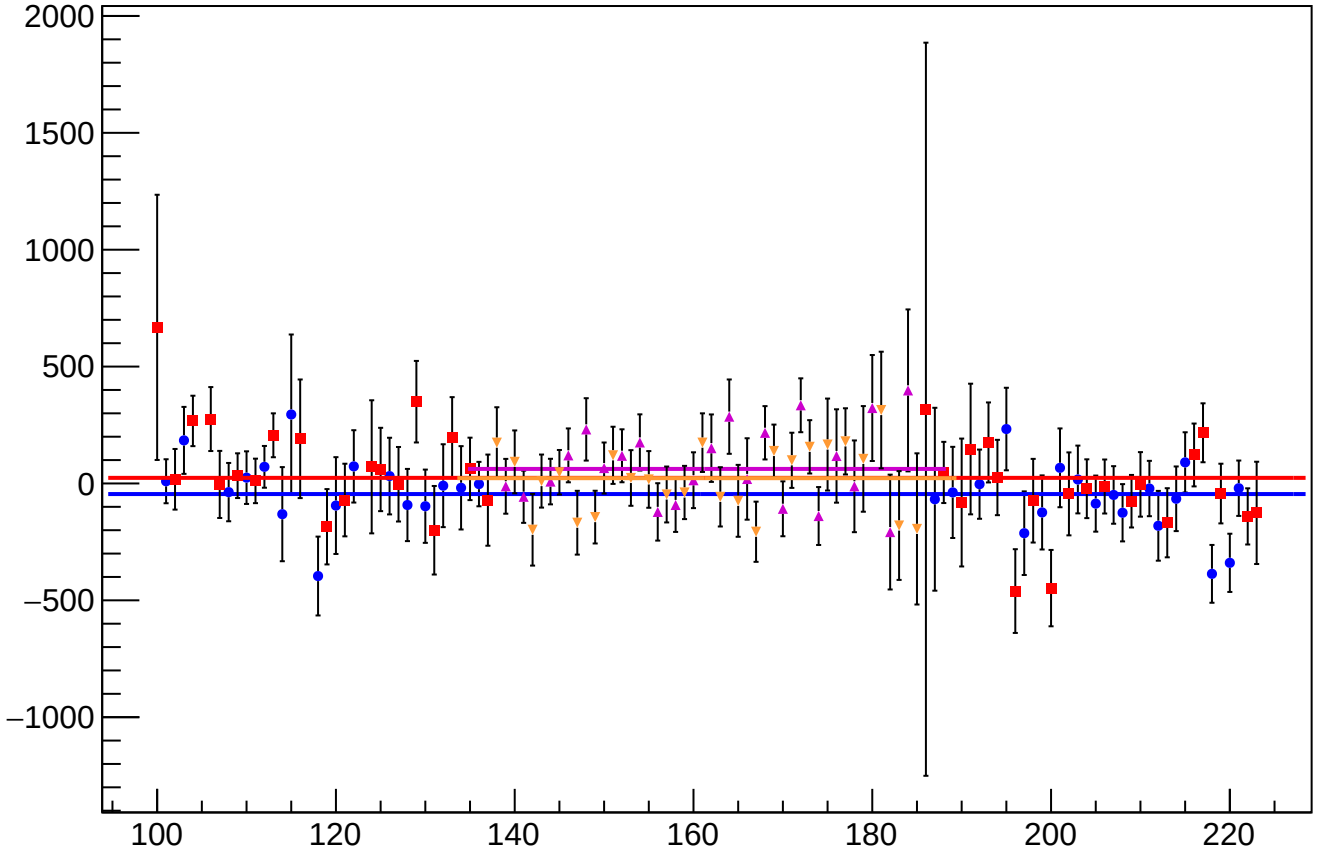
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

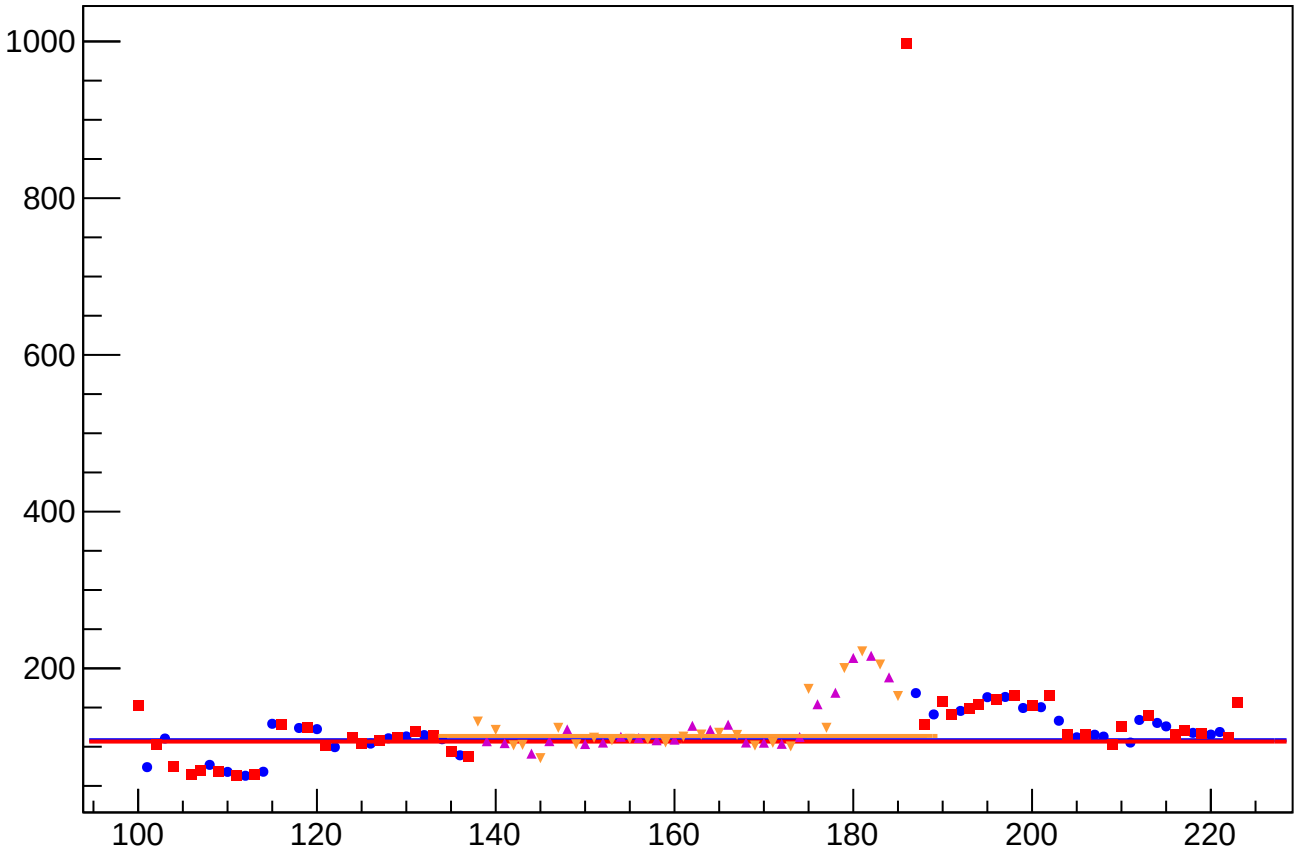
Right: 865.122+/-0.101 χ^2/NDF: 15896345.7/72

In: 772.992+/-0.091 χ^2/NDF:8561829.6/56

Out: 756.826+/-0.088 χ^2/NDF:10257747.5/63

All: 764.623+/-0.063 χ^2/NDF: 18835839.7/12


eigen_dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -45.362+/-23.880 χ²/NDF: 31.9/33
Left Out: 22.544+/-26.643 χ²/NDF:21.6/24
Right Out: 23.923+/-23.482 χ²/NDF: 48.0/38
Left In: 62.169+/-27.339 χ²/NDF:27.3/22
Left: 41.846+/-19.081 χ²/NDF: 50.0/47
Right: -10.137+/-16.743 χ²/NDF: 84.2/72
In: 1.174+/-17.985 χ²/NDF:68.0/56
Out: 23.320+/-17.616 χ²/NDF:69.6/63
All: 12.476+/-12.585 χ²/NDF: 138.4/120



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

Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

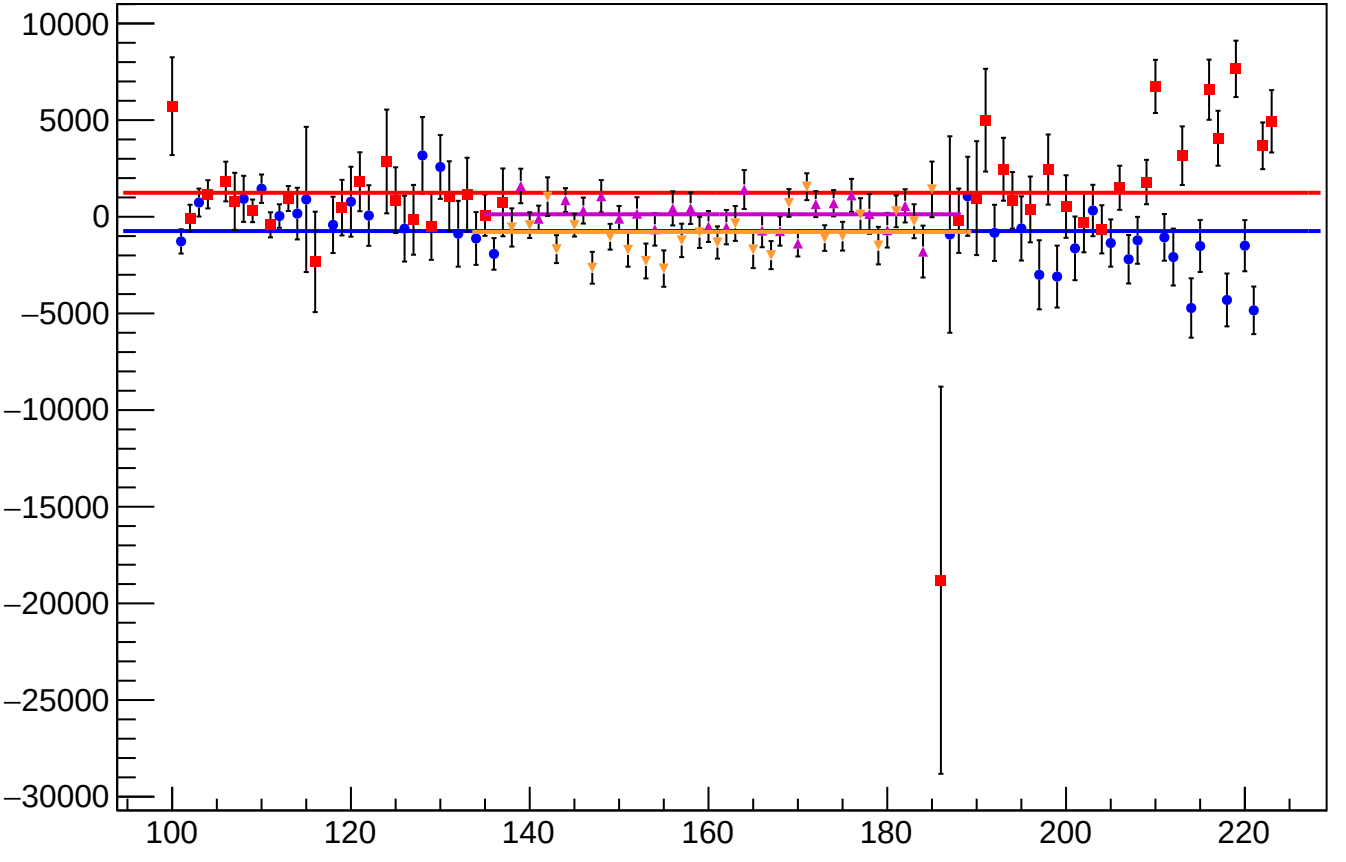
Right: 107.442+/-0.012 χ^2/NDF: 6443934.5/72

In: 110.650+/-0.013 χ^2/NDF:3864504.4/56

Out: 109.718+/-0.012 χ^2/NDF:5595062.4/63

All: 110.174+/-0.009 χ^2/NDF: 9462303.4/120

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

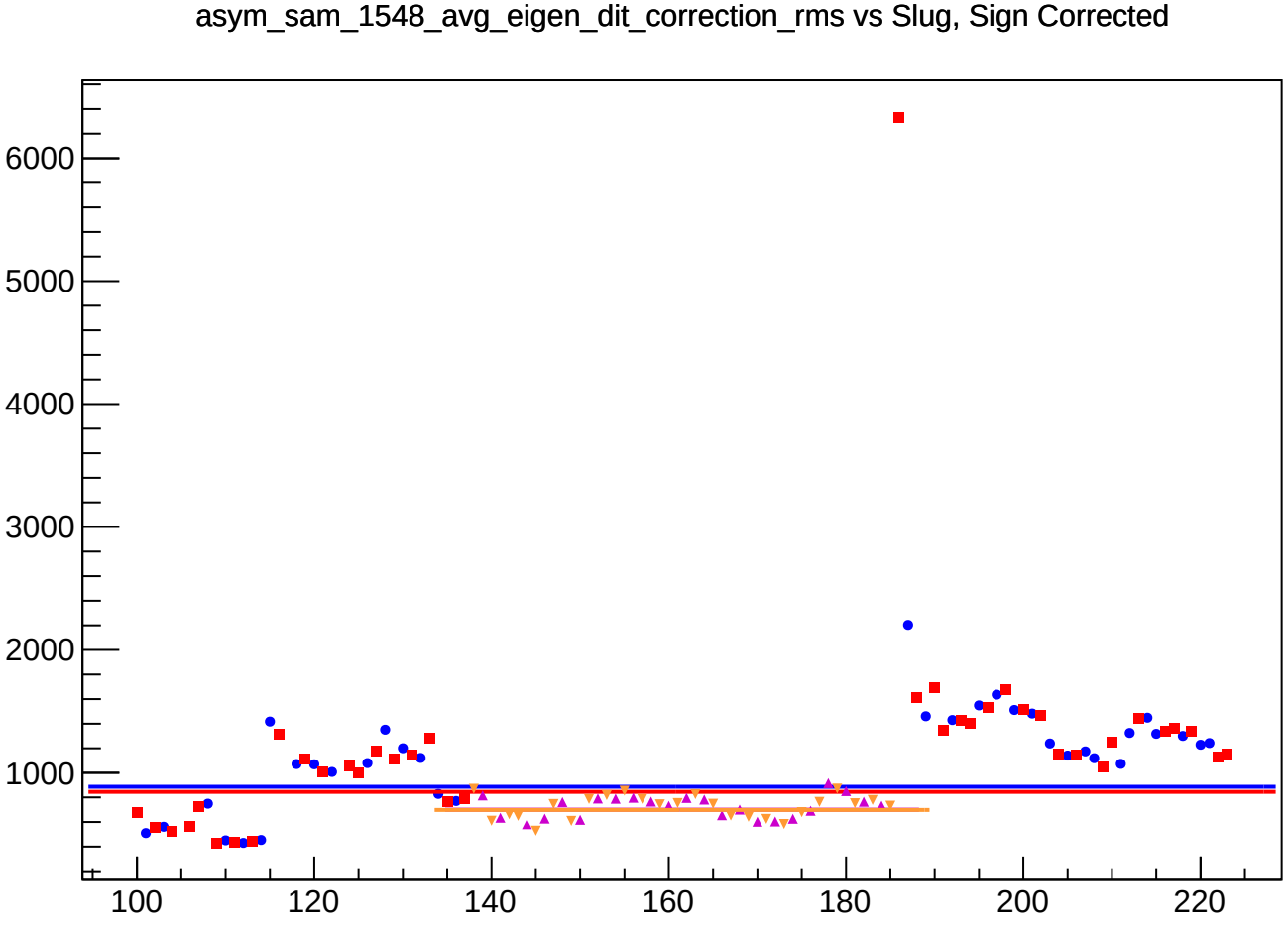
Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

Right: 295.329+/-142.615 χ^2/NDF: 206.5/72

In: -210.725+/-128.986 χ^2/NDF:96.0/56

Out: 22.111+/-124.508 χ^2/NDF:204.6/63

All: -90.196+/-89.582 χ^2/NDF: 302.4/120



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

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

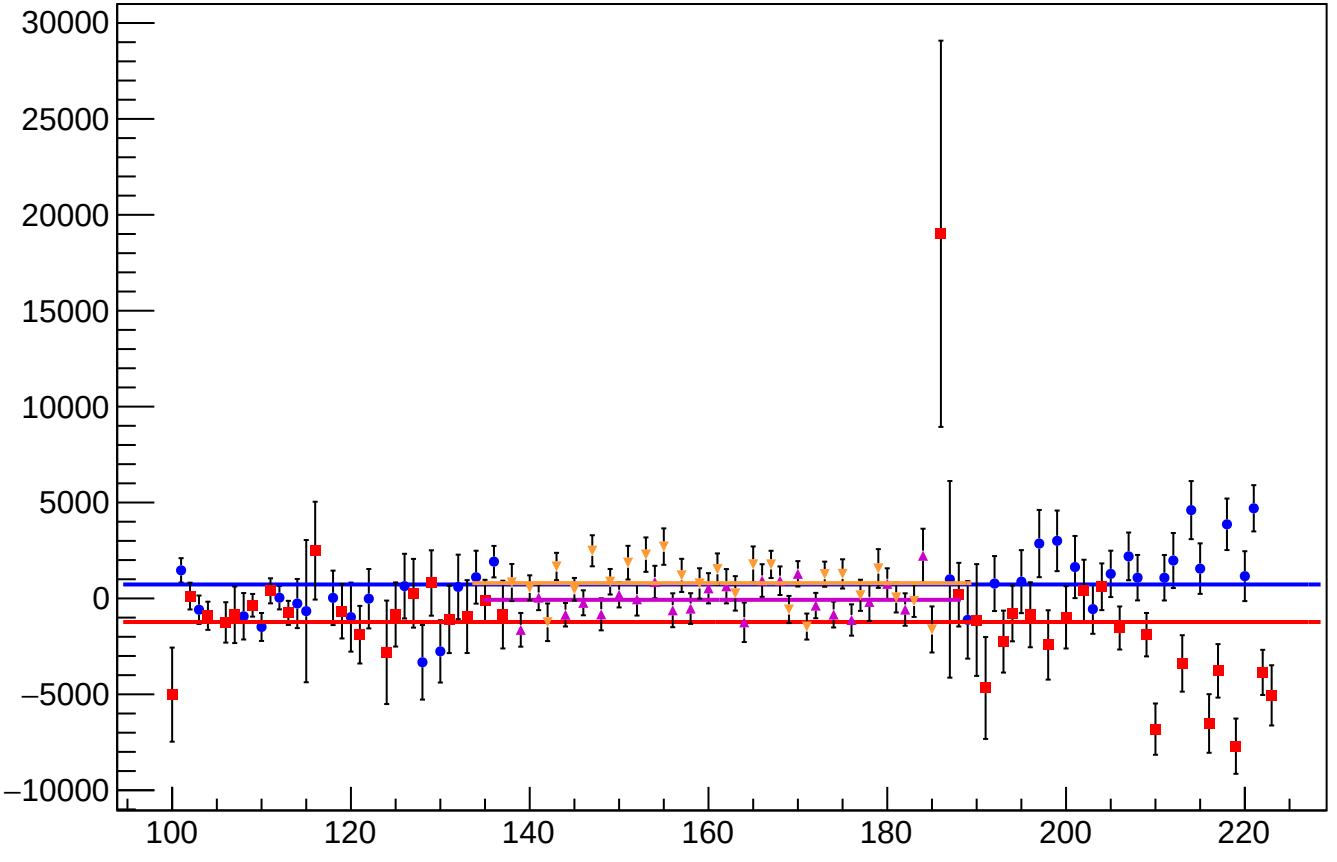
Right: 865.121+/-0.101 χ^2/NDF: 15896337.6/72

In: 772.991+/-0.091 χ^2/NDF:8561820.3/56

Out: 756.825+/-0.088 χ^2/NDF:10257740.2/63

All: 764.623+/-0.063 χ^2/NDF: 18835823.3/12

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

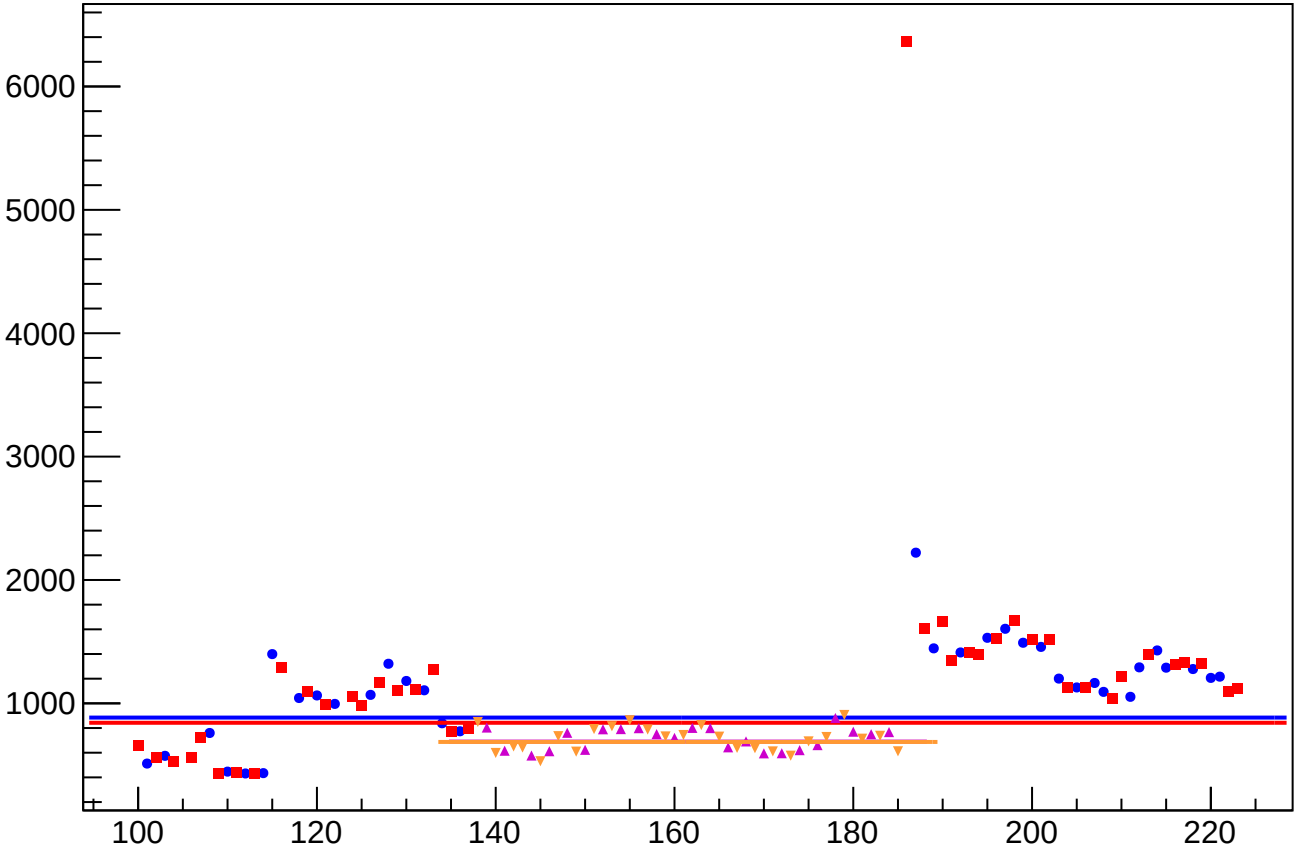
Right: -293.500+/-141.869 χ^2/NDF: 208.0/72

In: 236.153+/-127.574 χ^2/NDF:96.0/56

Out: 0.027+/-123.166 χ^2/NDF:209.7/63

All: 113.940+/-88.609 χ^2/NDF: 307.5/120

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

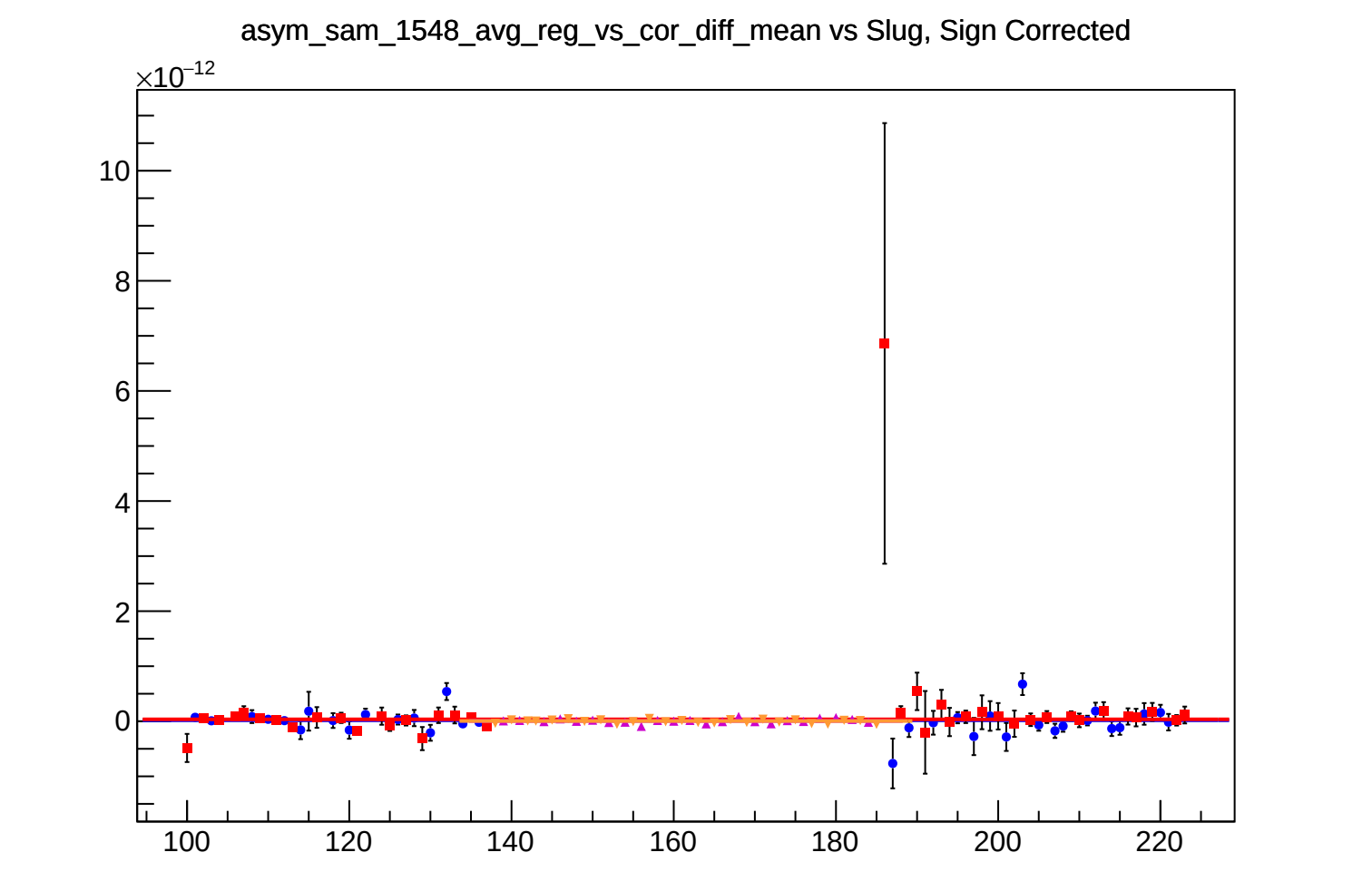
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 862.733+/-0.100 χ^2/NDF: 15451689.3/72

In: 765.259+/-0.090 χ^2/NDF:8374114.9/56

Out: 748.368+/-0.087 χ^2/NDF:10192936.2/63

All: 756.517+/-0.063 χ^2/NDF: 18585198.4/12



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

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

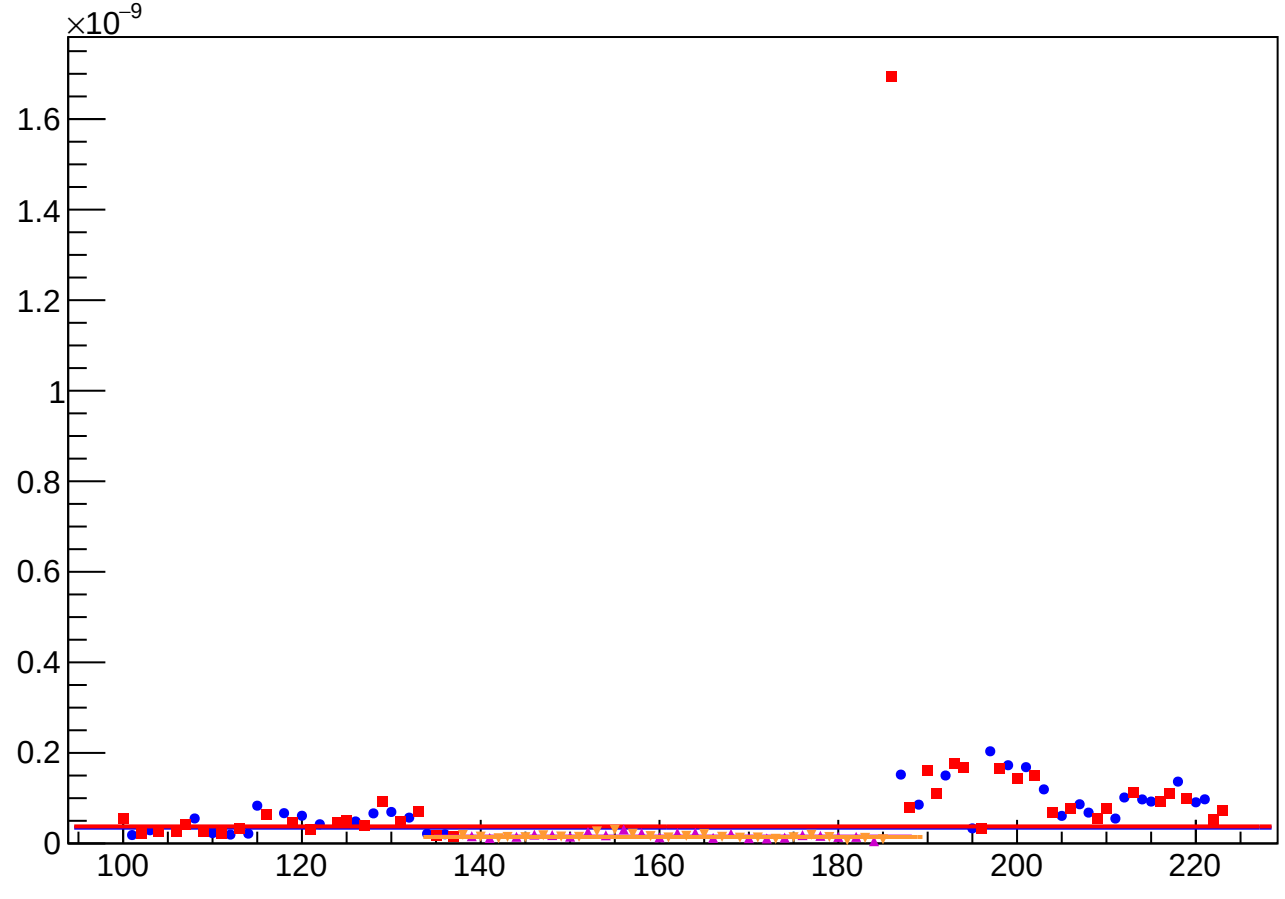
Right: 0.000+/-0.000 χ^2/NDF: 87.6/72

In: 0.000+/-0.000 χ^2/NDF:77.0/56

Out: 0.000+/-0.000 χ^2/NDF:62.7/63

All: 0.000+/-0.000 χ^2/NDF: 139.7/120

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

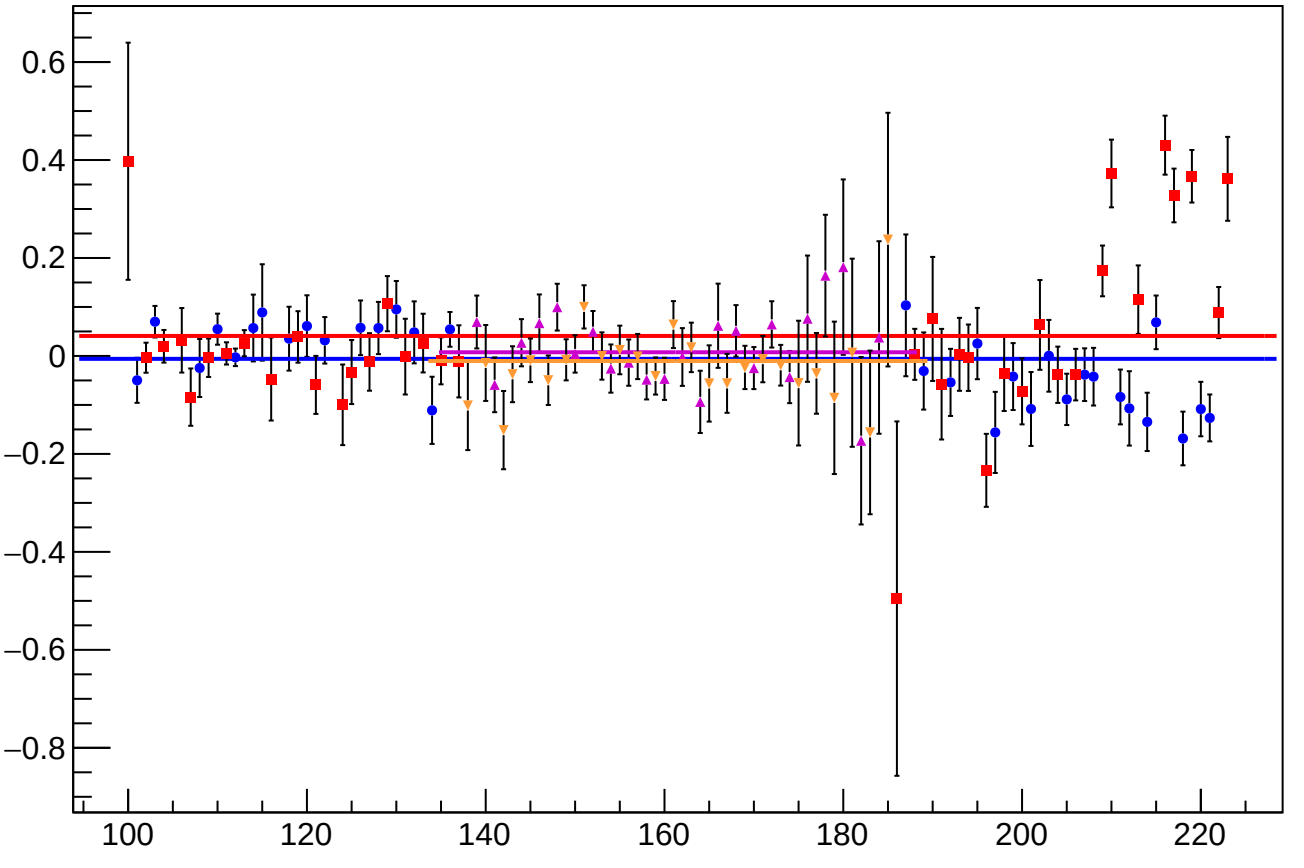
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15281403.8/72

In: 0.000+/-0.000 χ^2/NDF:12623103.4/56

Out: 0.000+/-0.000 χ^2/NDF:12546005.1/63

All: 0.000+/-0.000 χ^2/NDF: 25207068.4/120



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

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

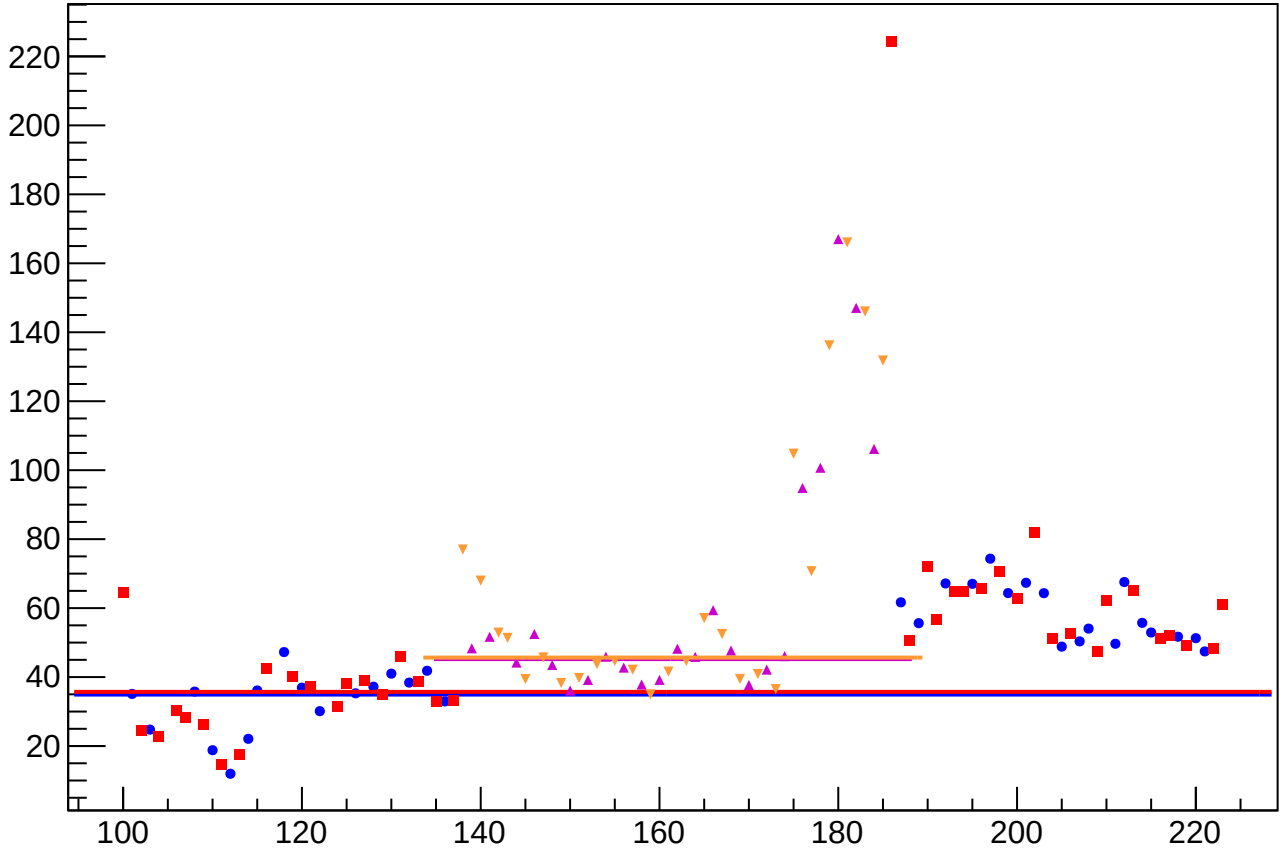
Right: 0.017+/-0.006 χ^2/NDF: 282.9/72

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.022+/-0.007 χ^2/NDF:234.3/63

All: 0.011+/-0.005 χ^2/NDF: 329.1/120

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

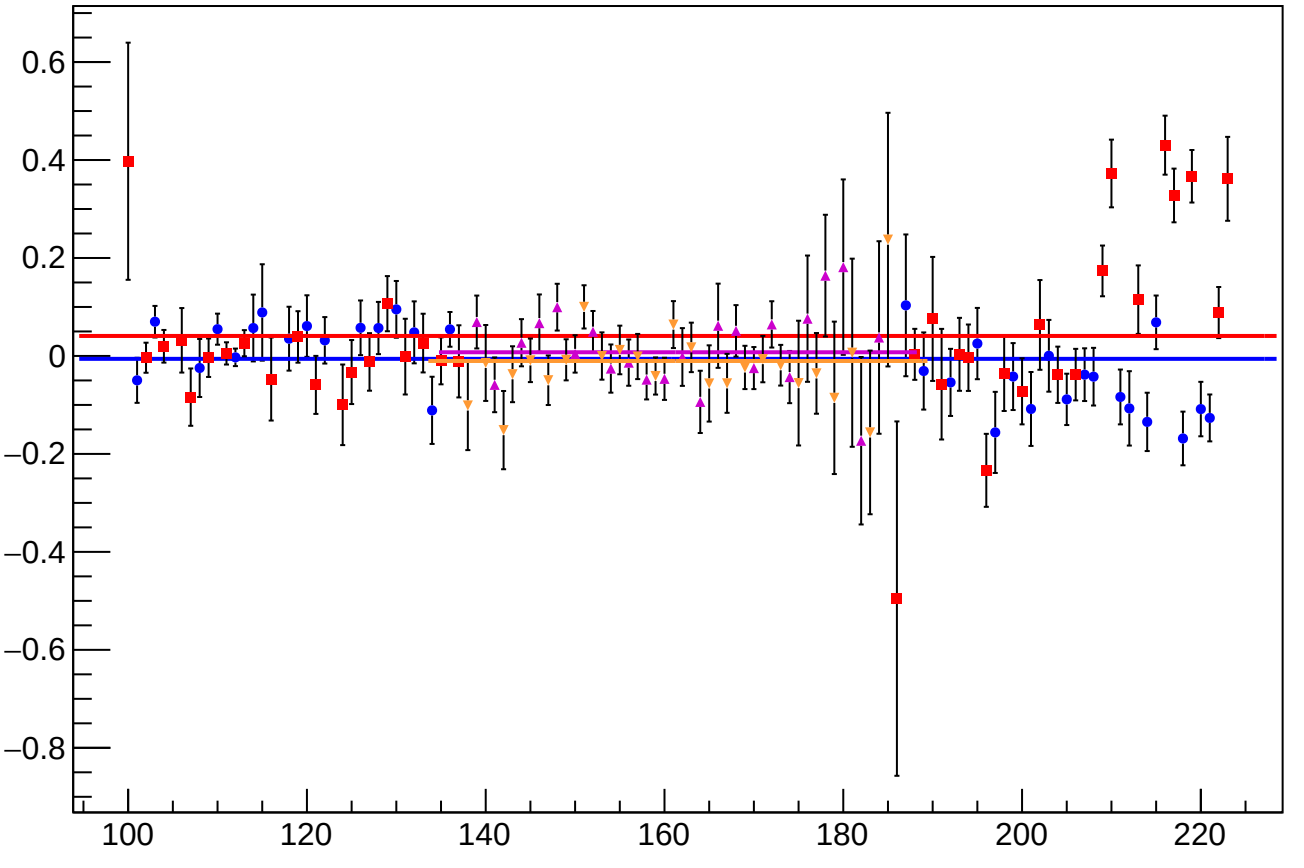
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 35.319+/-0.004 χ^2/NDF: 17319014.0/72

In: 38.596+/-0.005 χ^2/NDF:12814551.2/56

Out: 39.310+/-0.005 χ^2/NDF:13540741.8/63

All: 38.954+/-0.003 χ^2/NDF: 26366317.7/120



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

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

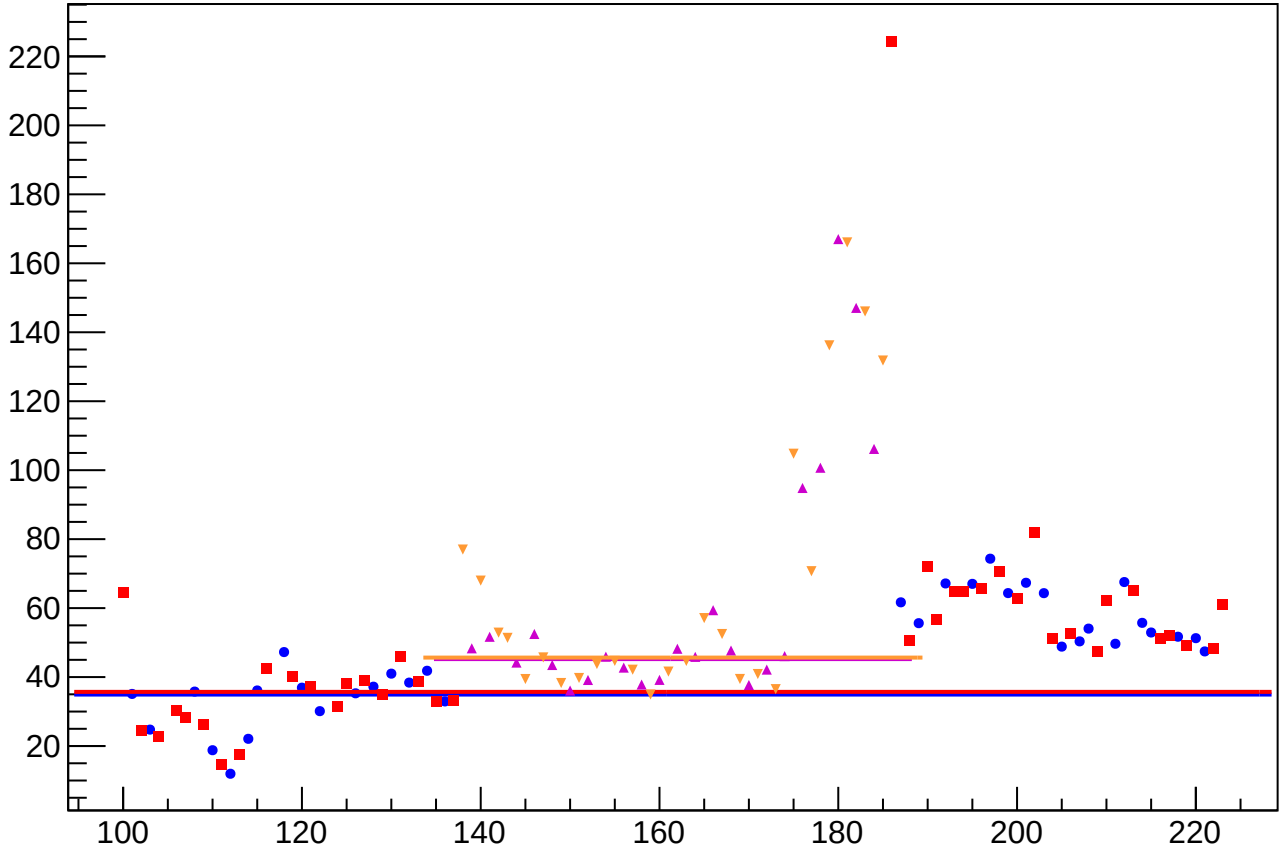
Right: 0.017+/-0.006 χ^2/NDF: 282.9/72

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.022+/-0.007 χ^2/NDF:234.3/63

All: 0.011+/-0.005 χ^2/NDF: 329.1/120

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

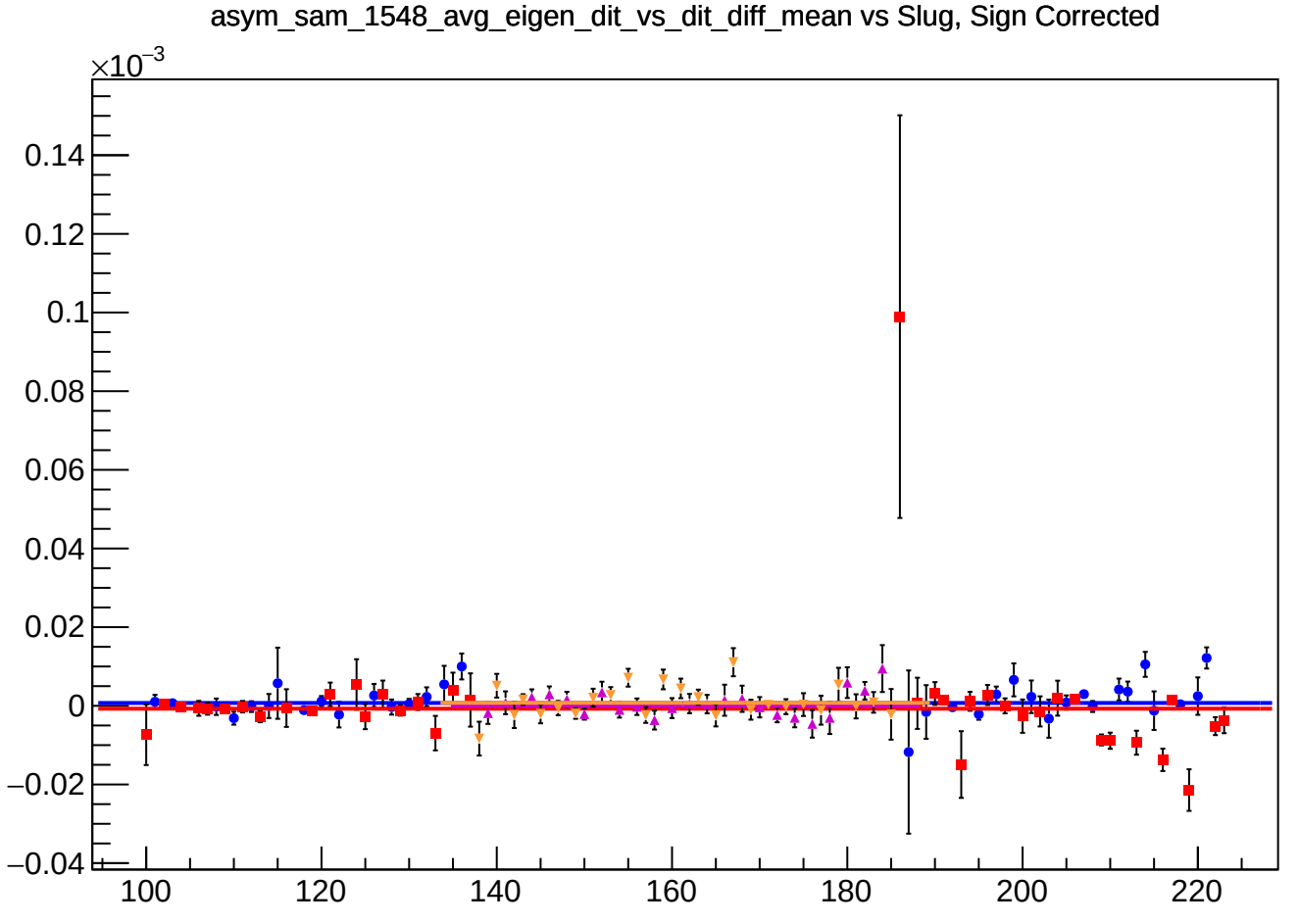
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 35.319+/-0.004 χ^2/NDF: 17319014.0/72

In: 38.596+/-0.005 χ^2/NDF:12814551.2/56

Out: 39.310+/-0.005 χ^2/NDF:13540741.8/63

All: 38.954+/-0.003 χ^2/NDF: 26366317.7/120



Right In: 0.000+/-0.000 χ^2/NDF: 64.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 136.2/38

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

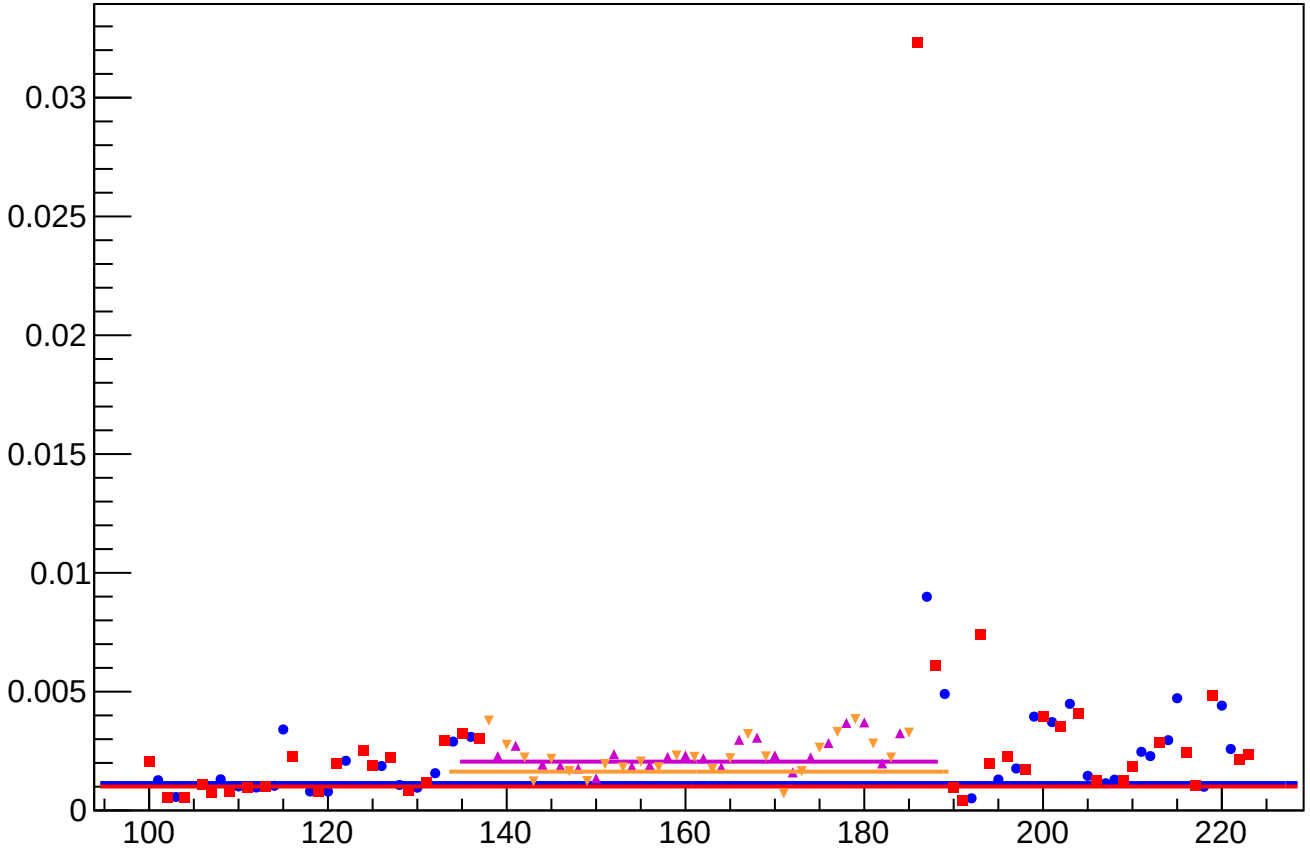
Right: -0.000+/-0.000 χ^2/NDF: 213.5/72

In: 0.000+/-0.000 χ^2/NDF:90.5/56

Out: -0.000+/-0.000 χ^2/NDF:191.6/63

All: 0.000+/-0.000 χ^2/NDF: 287.7/120

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

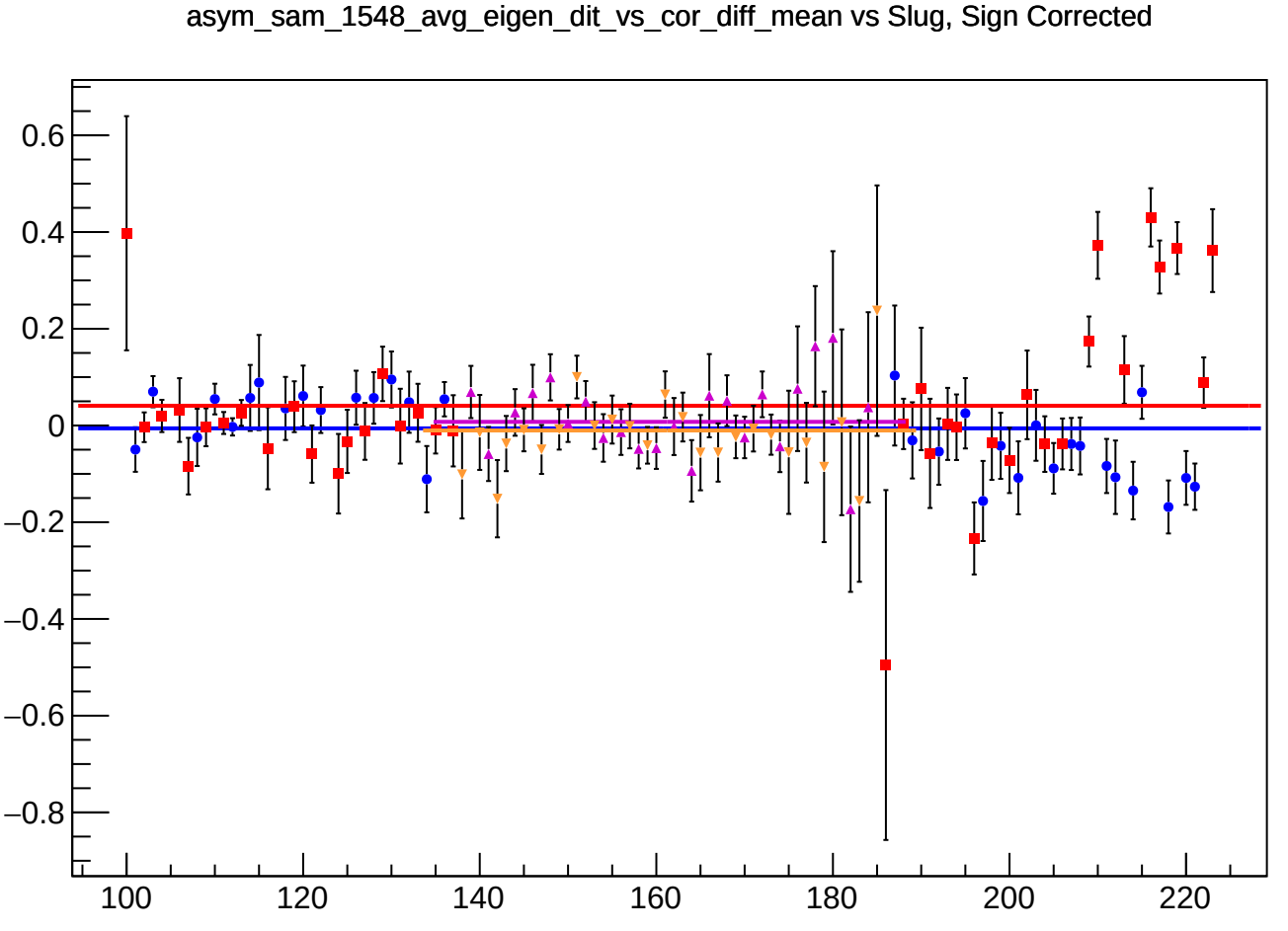
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 27714572.5/72

In: 0.001+/-0.000 χ^2/NDF:18603330.5/56

Out: 0.001+/-0.000 χ^2/NDF:25426811.8/63

All: 0.001+/-0.000 χ^2/NDF: 44704965.2/120



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

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

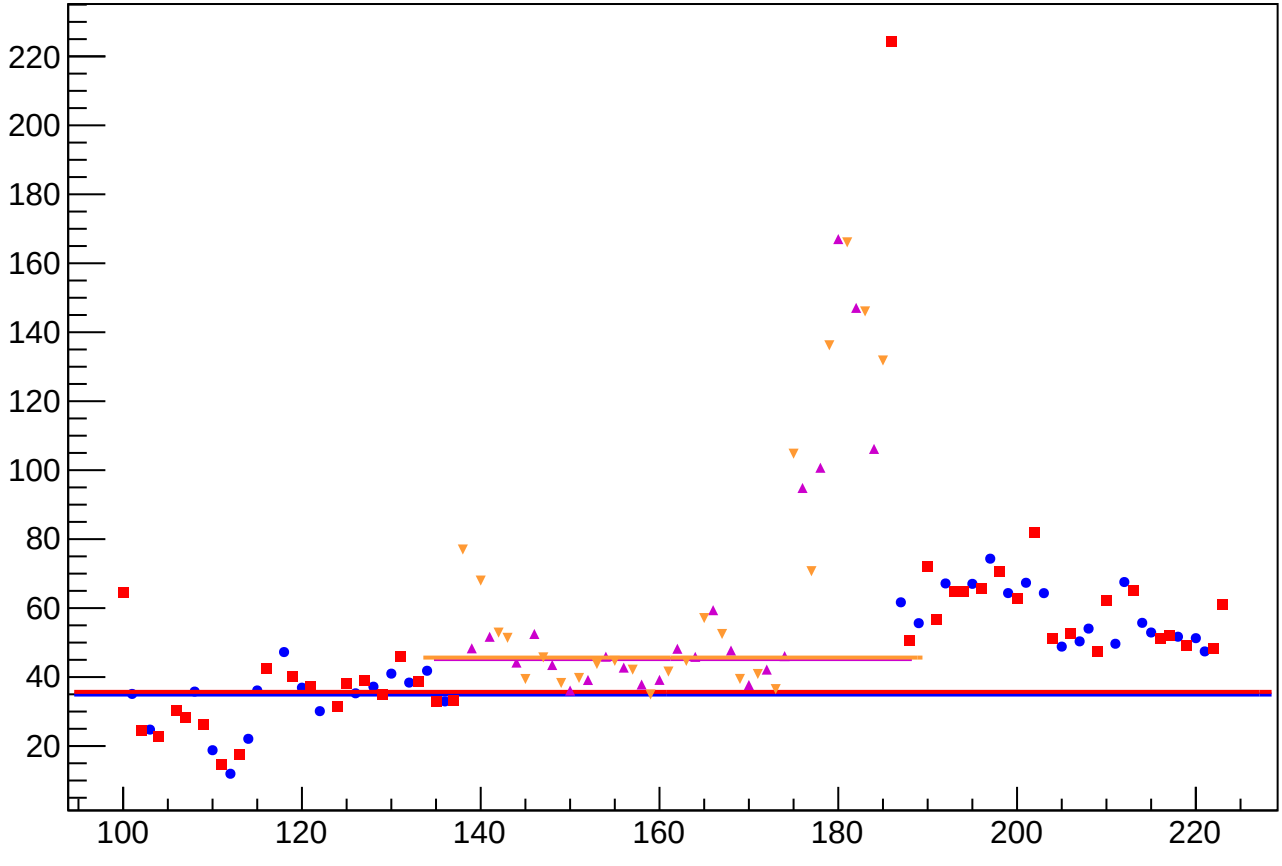
Right: 0.017+/-0.006 χ^2/NDF: 282.9/72

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.022+/-0.007 χ^2/NDF:234.3/63

All: 0.011+/-0.005 χ^2/NDF: 329.1/120

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

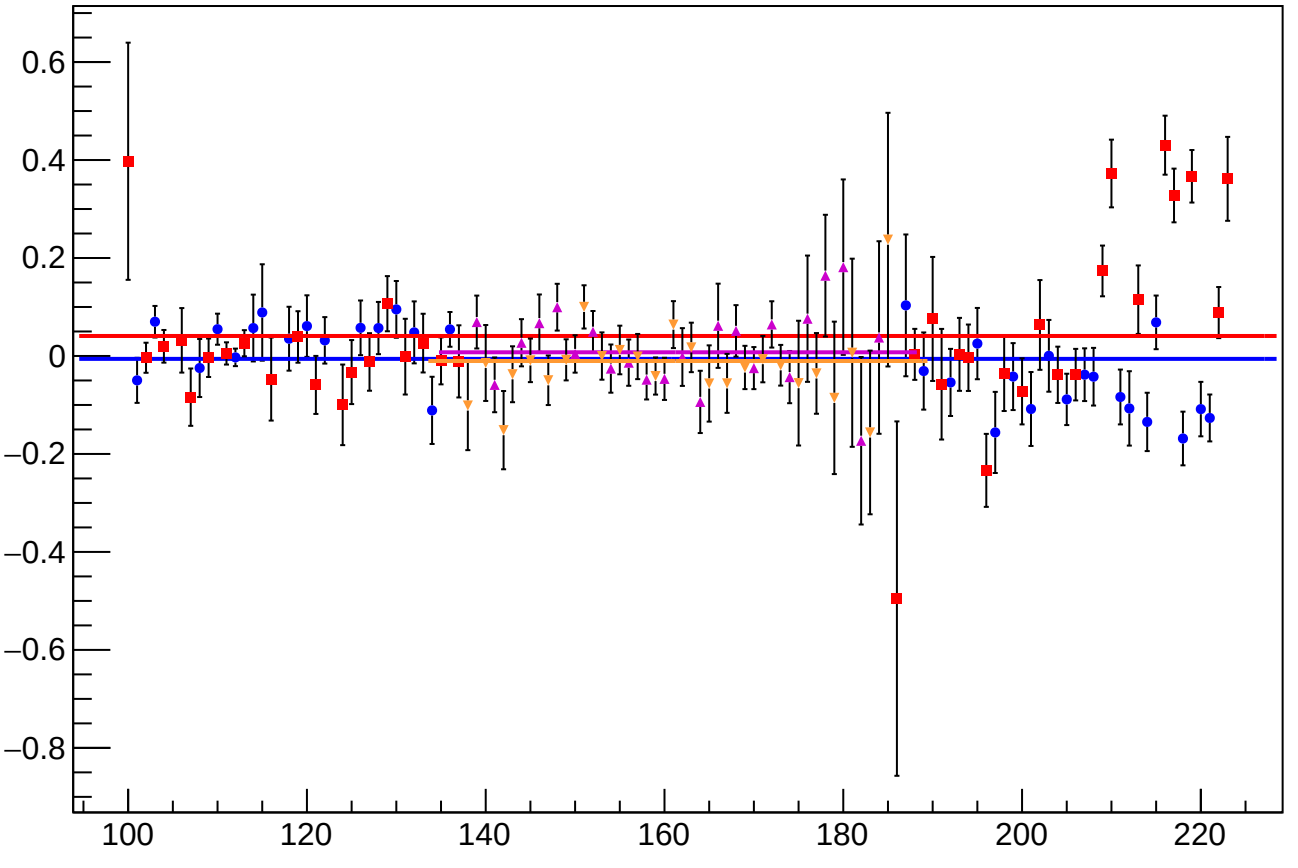
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 35.319+/-0.004 χ^2/NDF: 17319533.3/72

In: 38.595+/-0.005 χ^2/NDF:12814966.0/56

Out: 39.310+/-0.005 χ^2/NDF:13541069.1/63

All: 38.954+/-0.003 χ^2/NDF: 26367063.7/120



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

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

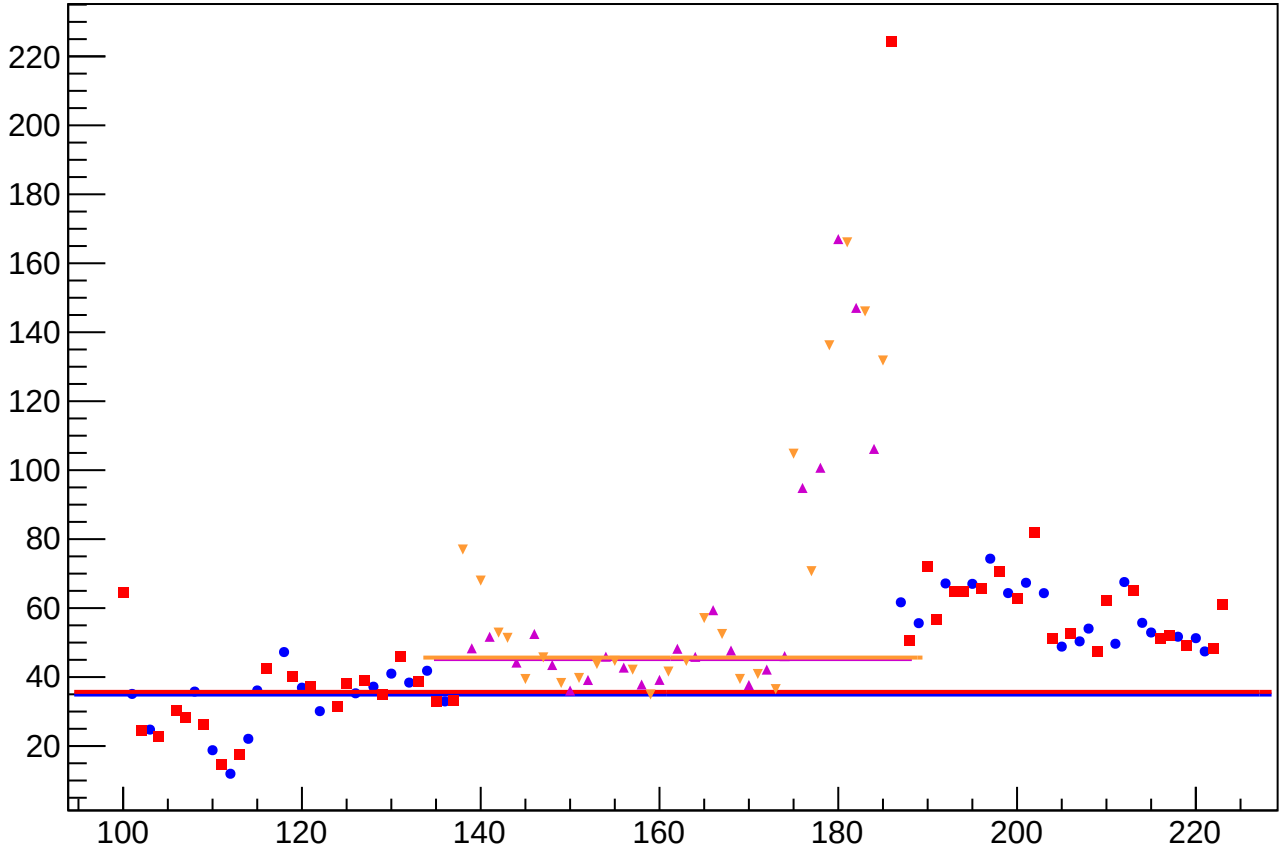
Right: 0.017+/-0.006 χ^2/NDF: 282.9/72

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.022+/-0.007 χ^2/NDF:234.3/63

All: 0.011+/-0.005 χ^2/NDF: 329.1/120

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

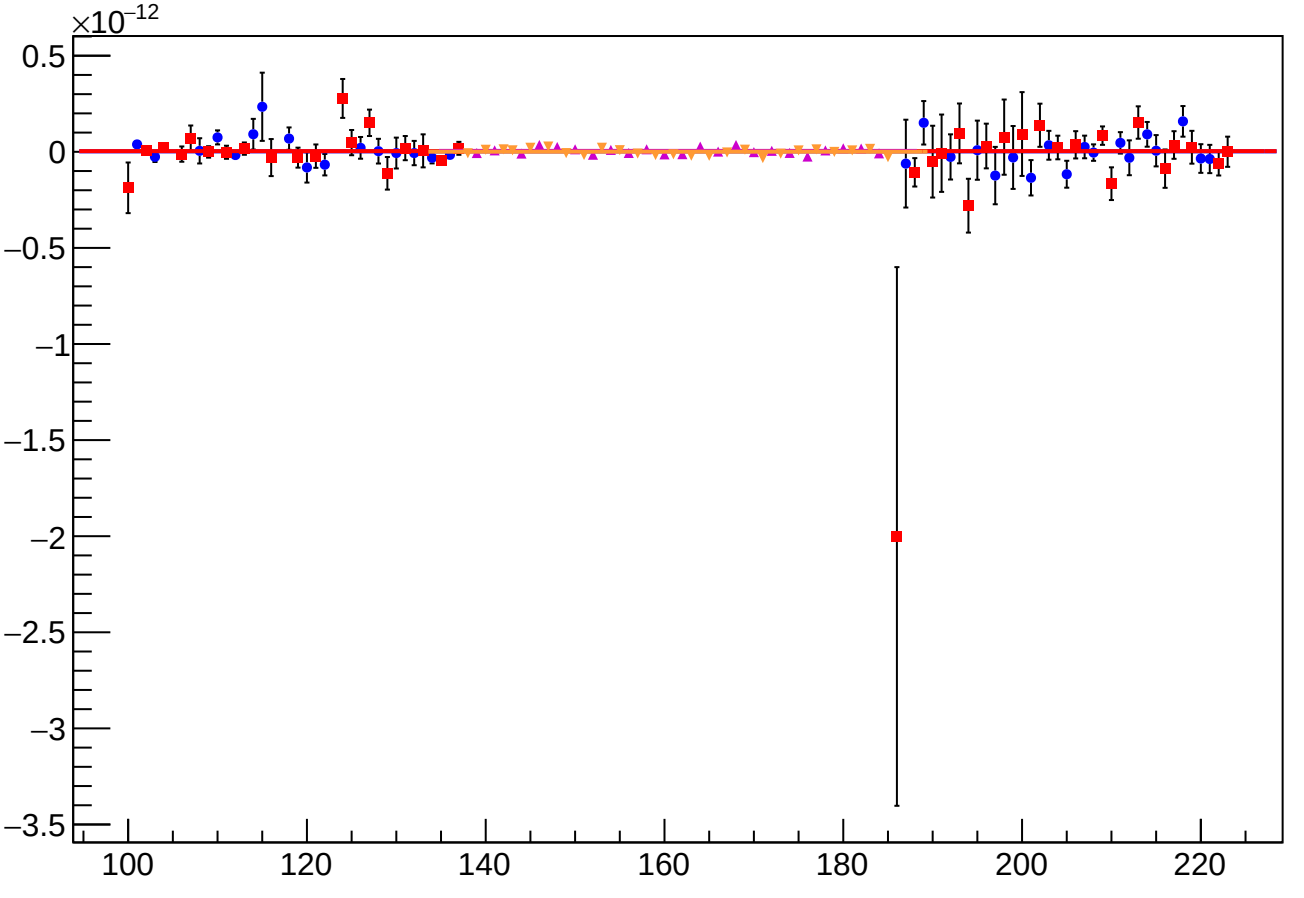
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 35.319+/-0.004 χ^2/NDF: 17319533.3/72

In: 38.595+/-0.005 χ^2/NDF:12814966.0/56

Out: 39.310+/-0.005 χ^2/NDF:13541069.1/63

All: 38.954+/-0.003 χ^2/NDF: 26367063.7/120



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

Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

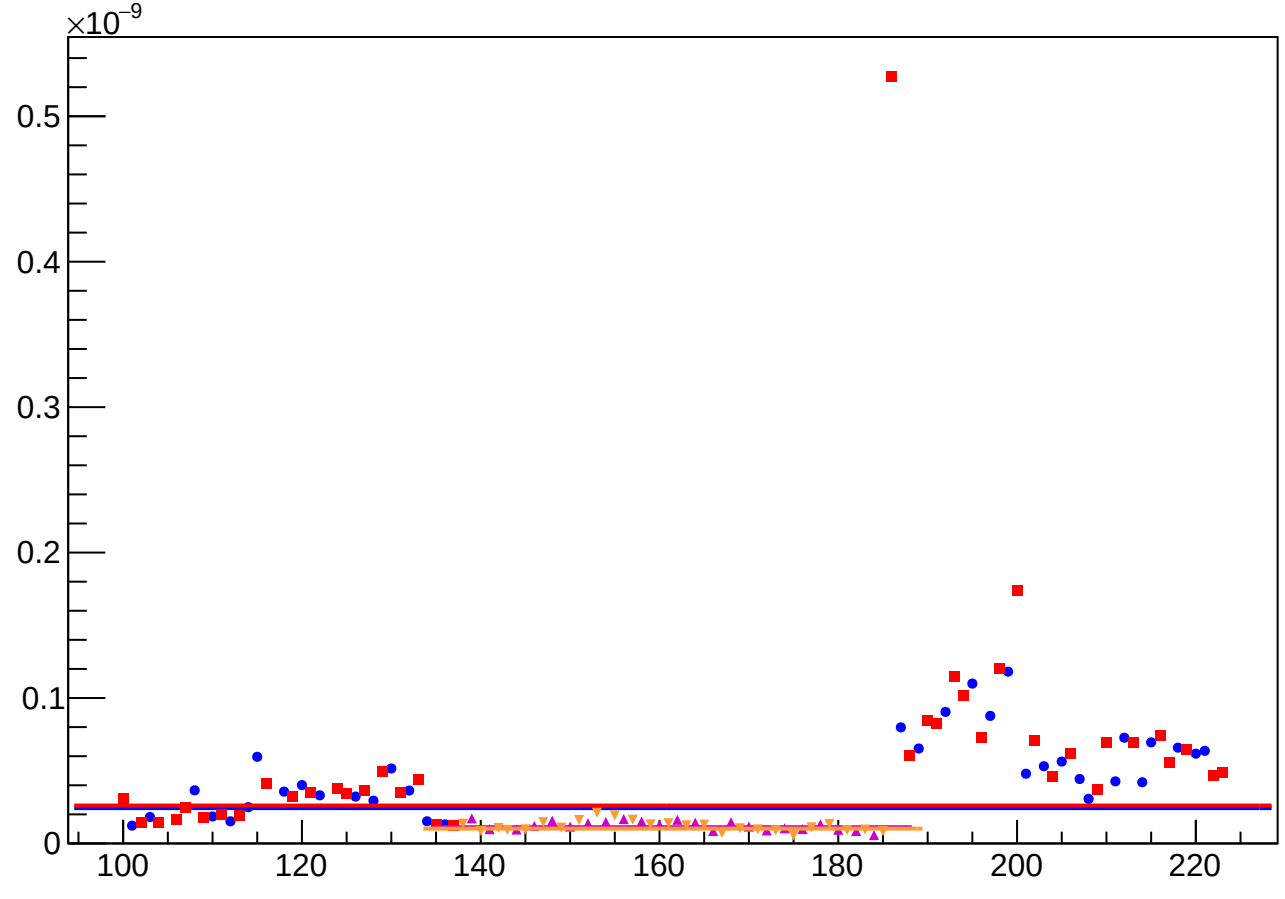
Right: 0.000+/-0.000 χ^2/NDF: 80.4/72

In: 0.000+/-0.000 χ^2/NDF:57.6/56

Out: 0.000+/-0.000 χ^2/NDF:72.1/63

All: 0.000+/-0.000 χ^2/NDF: 130.4/120

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

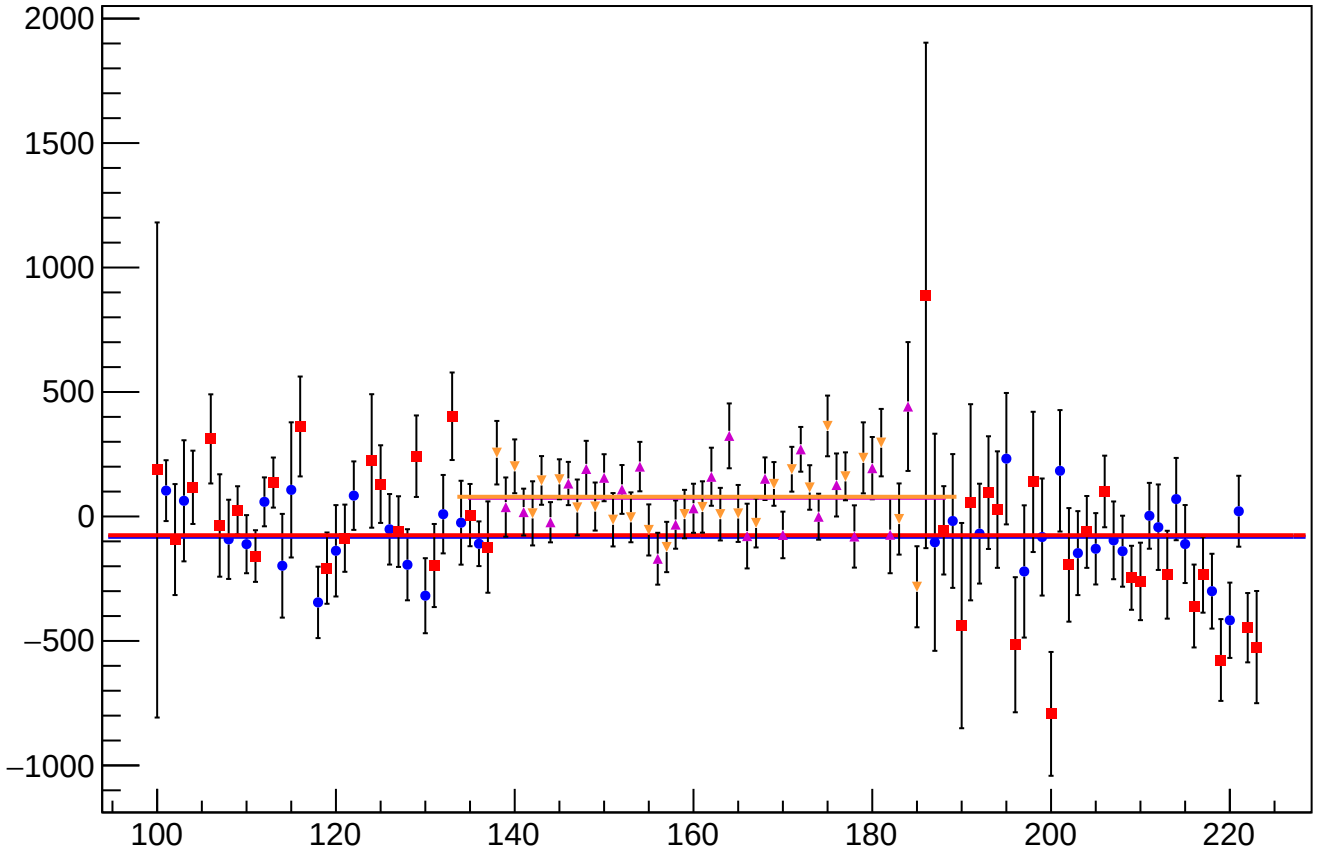
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 20566130.5/72

In: 0.000+/-0.000 χ^2/NDF:16299056.4/56

Out: 0.000+/-0.000 χ^2/NDF:19359298.7/63

All: 0.000+/-0.000 χ^2/NDF: 35798428.9/120



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

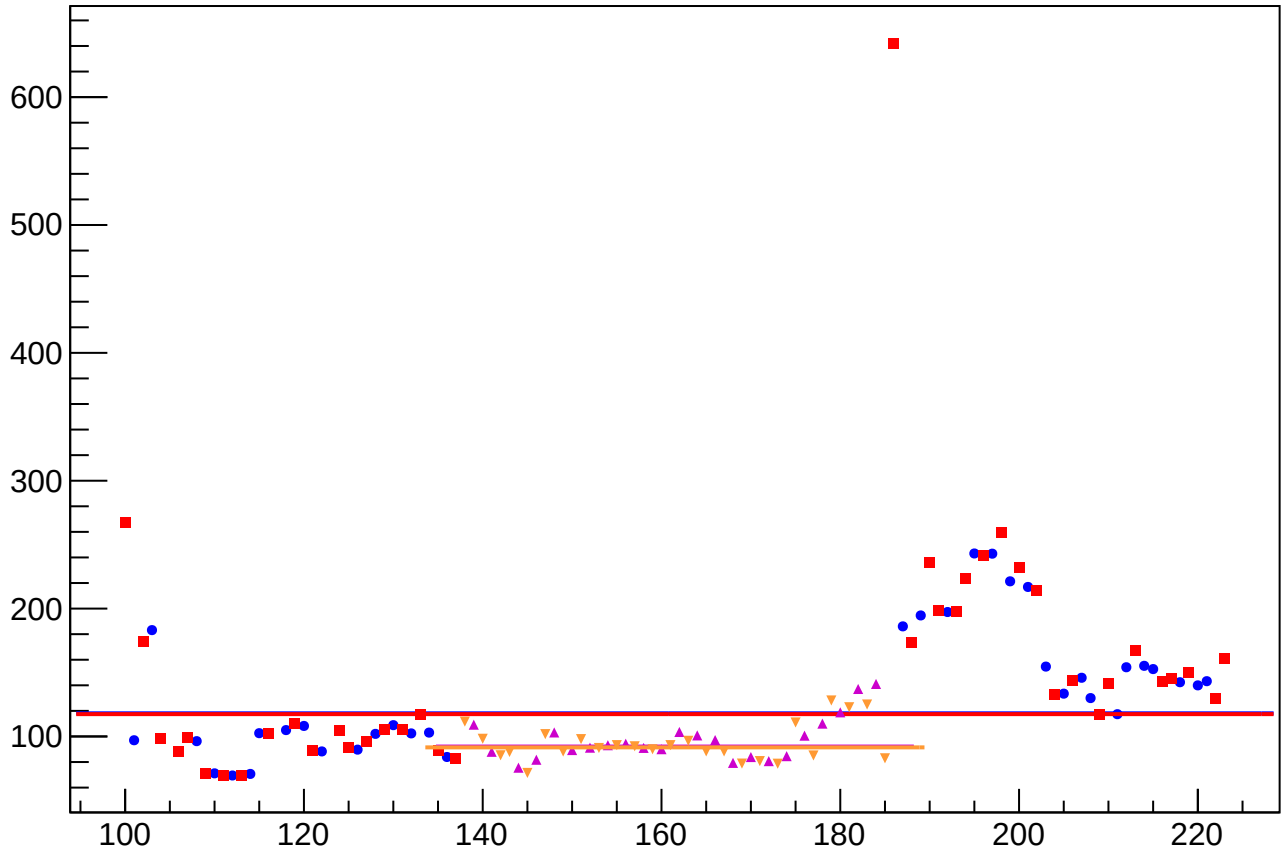
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -78.505+/-18.855 χ^2/NDF: 104.1/72

In: 12.350+/-16.916 χ^2/NDF:79.6/56

Out: 19.405+/-16.528 χ^2/NDF:130.3/63

All: 15.959+/-11.822 χ^2/NDF: 210.1/120



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

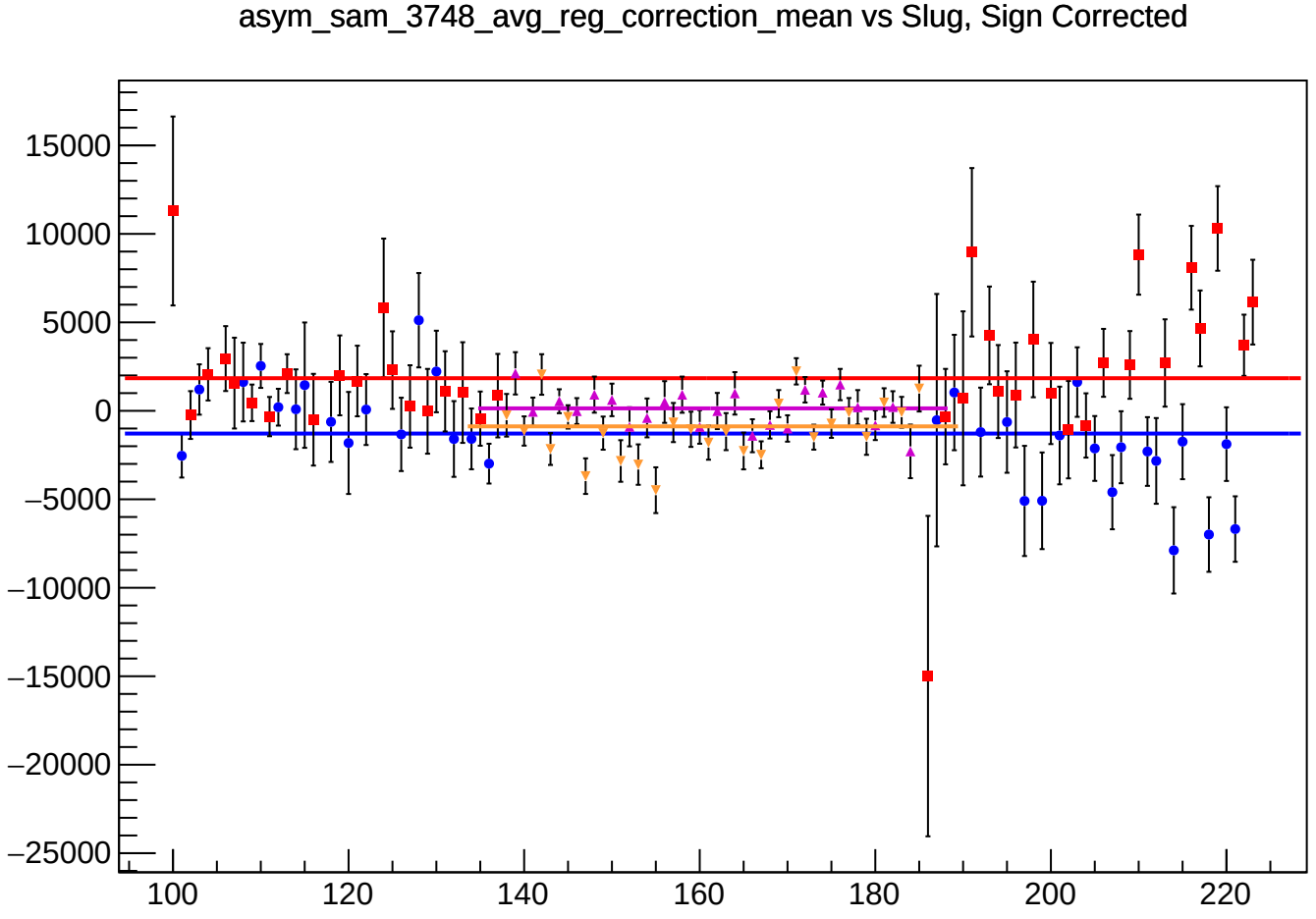
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 117.771+/-0.013 χ^2/NDF: 10453595.5/72

In: 102.494+/-0.012 χ^2/NDF:6315343.5/56

Out: 101.510+/-0.012 χ^2/NDF:7894595.7/63

All: 101.991+/-0.008 χ^2/NDF: 14213403.9/12



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

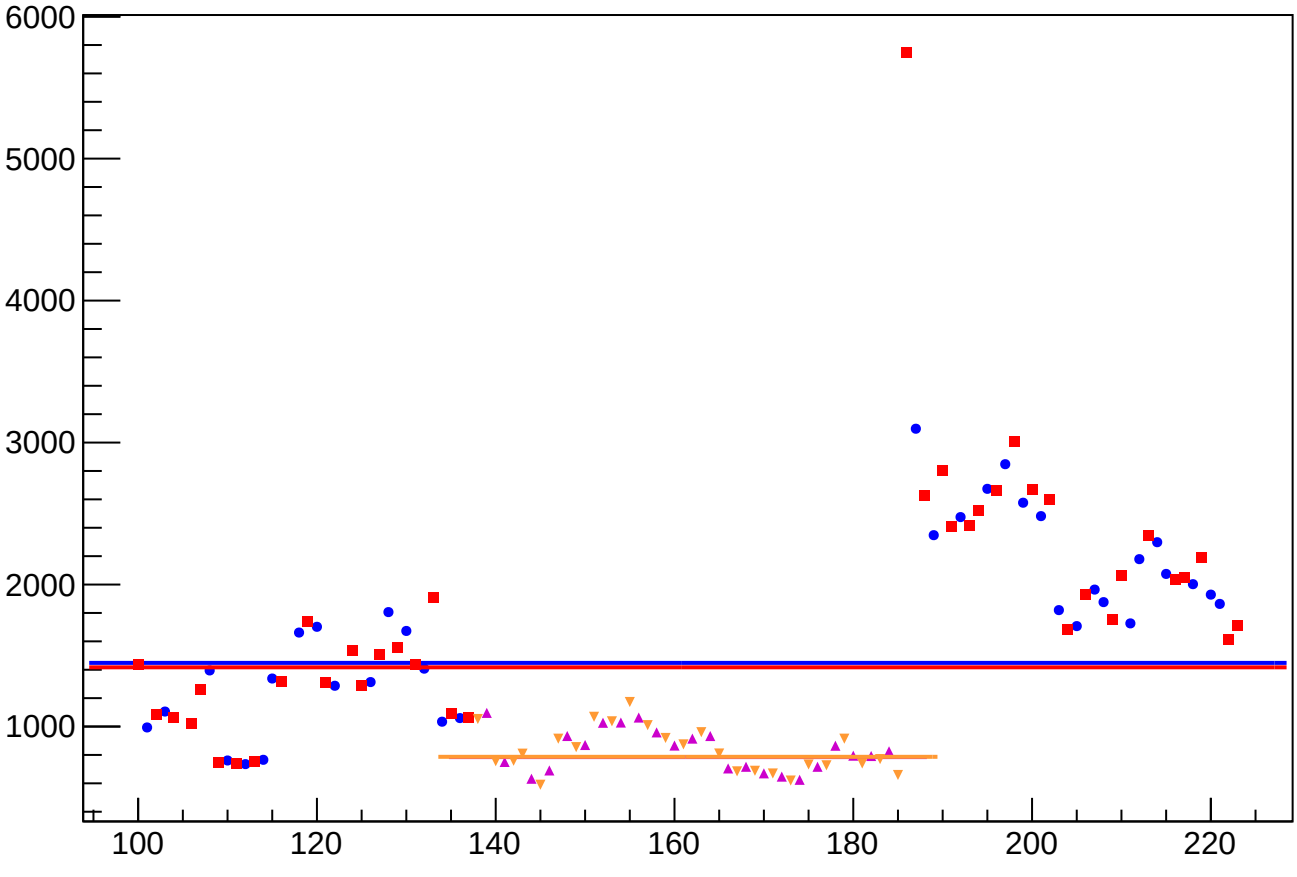
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 316.406+/-232.324 χ^2/NDF: 171.6/72

In: -202.108+/-162.713 χ^2/NDF:100.5/56

Out: -226.817+/-158.887 χ^2/NDF:185.1/63

All: -214.756+/-113.679 χ^2/NDF: 285.6/120



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

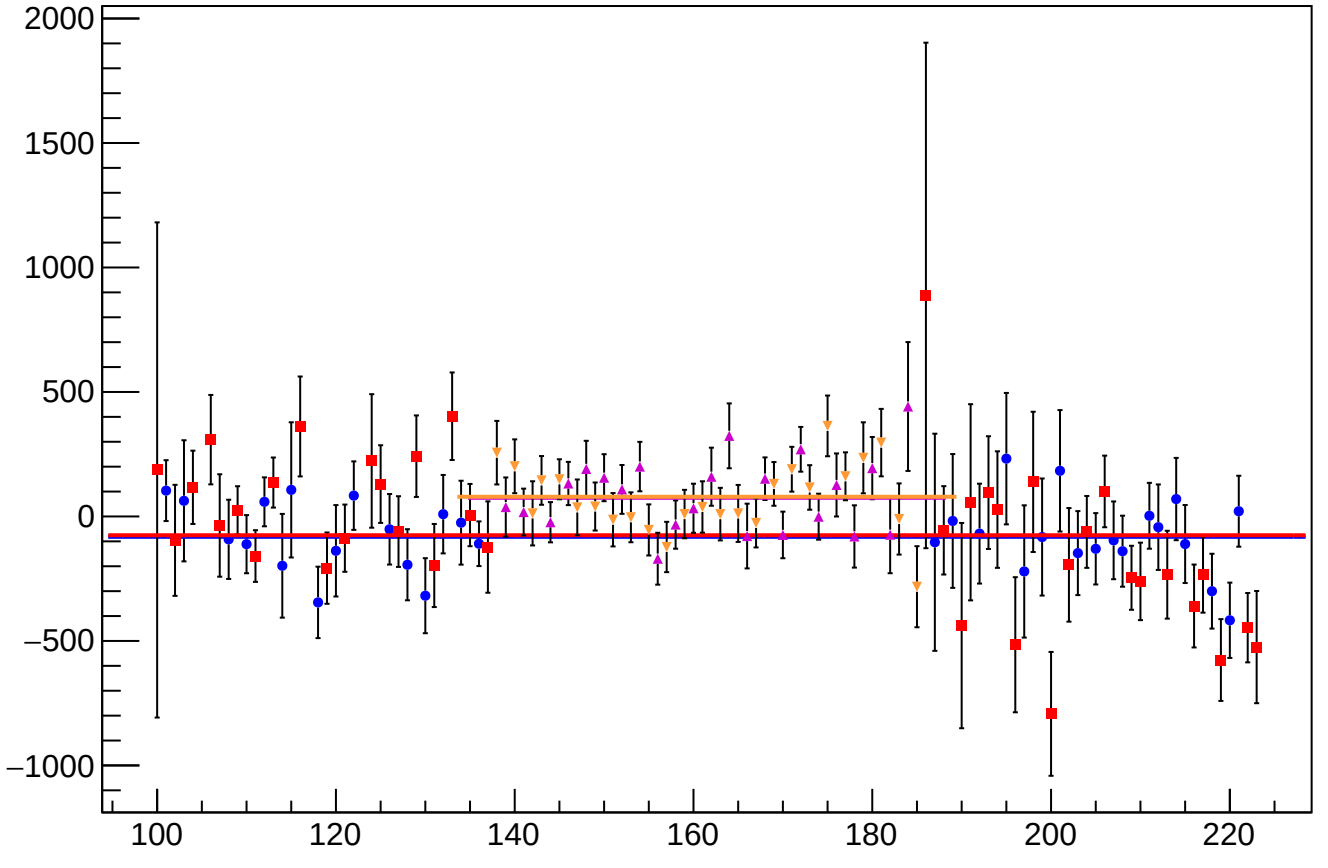
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1432.321+/-0.164 χ^2/NDF: 13369872.5/72

In: 943.690+/-0.115 χ^2/NDF:13006249.9/56

Out: 937.668+/-0.112 χ^2/NDF:14416363.4/63

All: 940.607+/-0.080 χ^2/NDF: 27424015.4/12



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

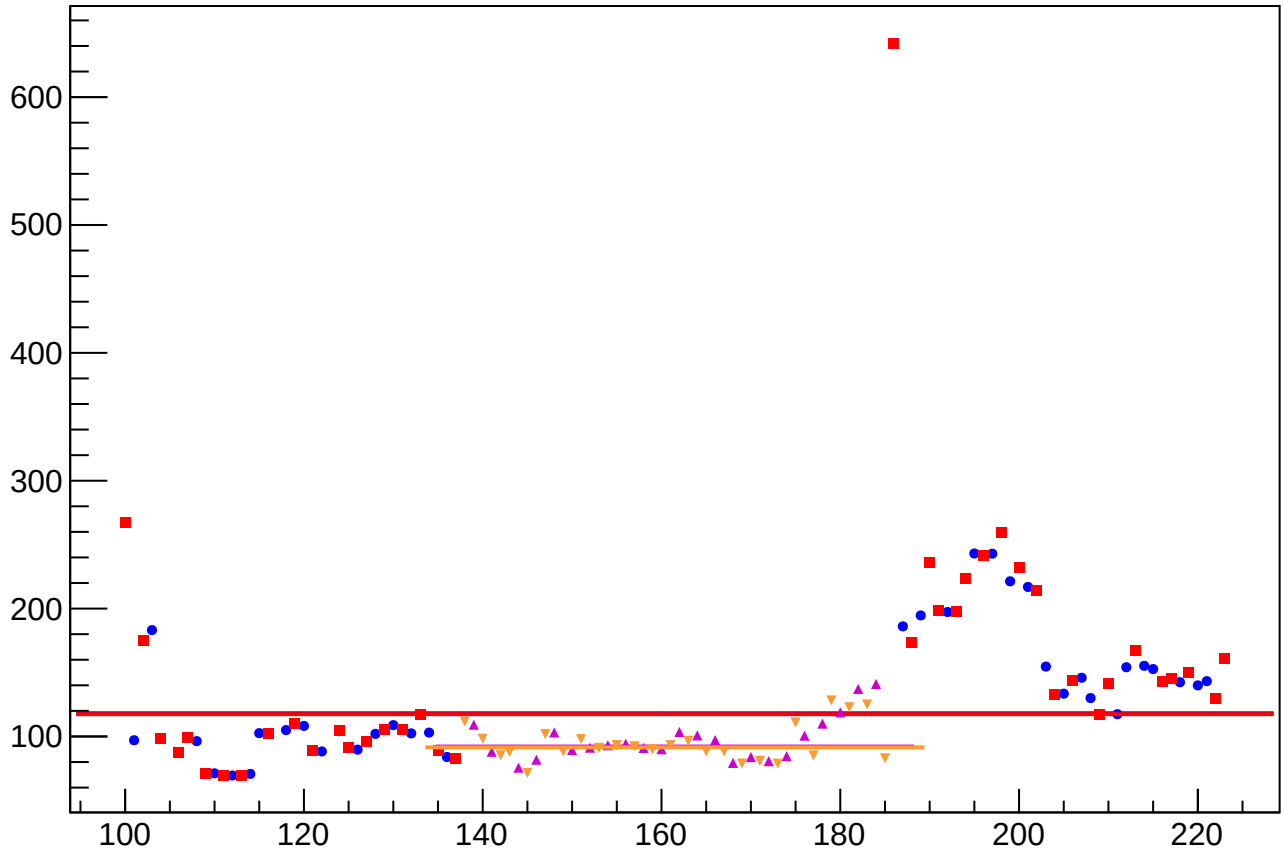
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -78.592+/-18.856 χ^2/NDF: 104.0/72

In: 12.347+/-16.916 χ^2/NDF:79.6/56

Out: 19.352+/-16.528 χ^2/NDF:130.3/63

All: 15.931+/-11.822 χ^2/NDF: 210.0/120



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

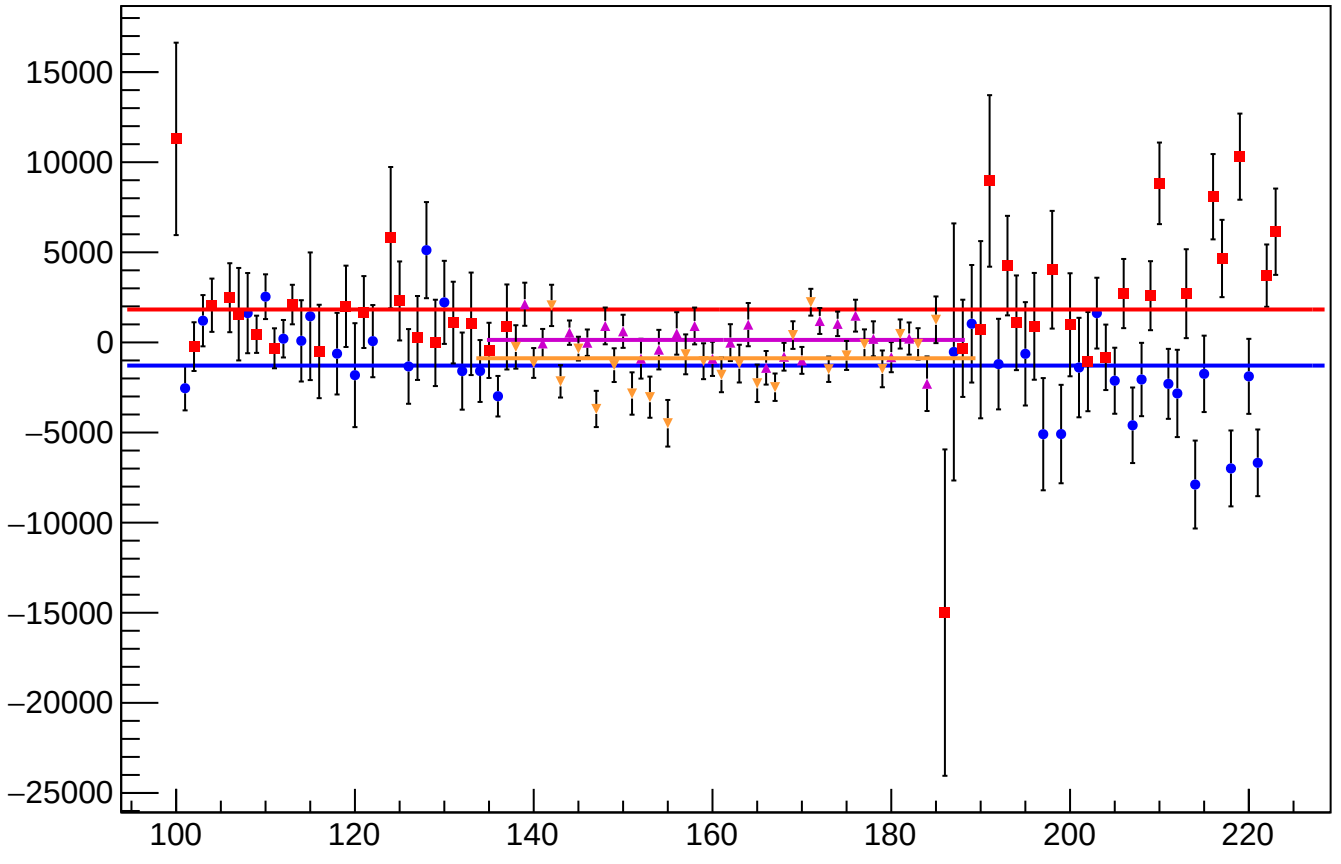
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 117.759+/-0.013 χ^2/NDF: 10458342.9/72

In: 102.494+/-0.012 χ^2/NDF:6315346.6/56

Out: 101.500+/-0.012 χ^2/NDF:7896973.3/63

All: 101.985+/-0.008 χ^2/NDF: 14215858.2/12



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

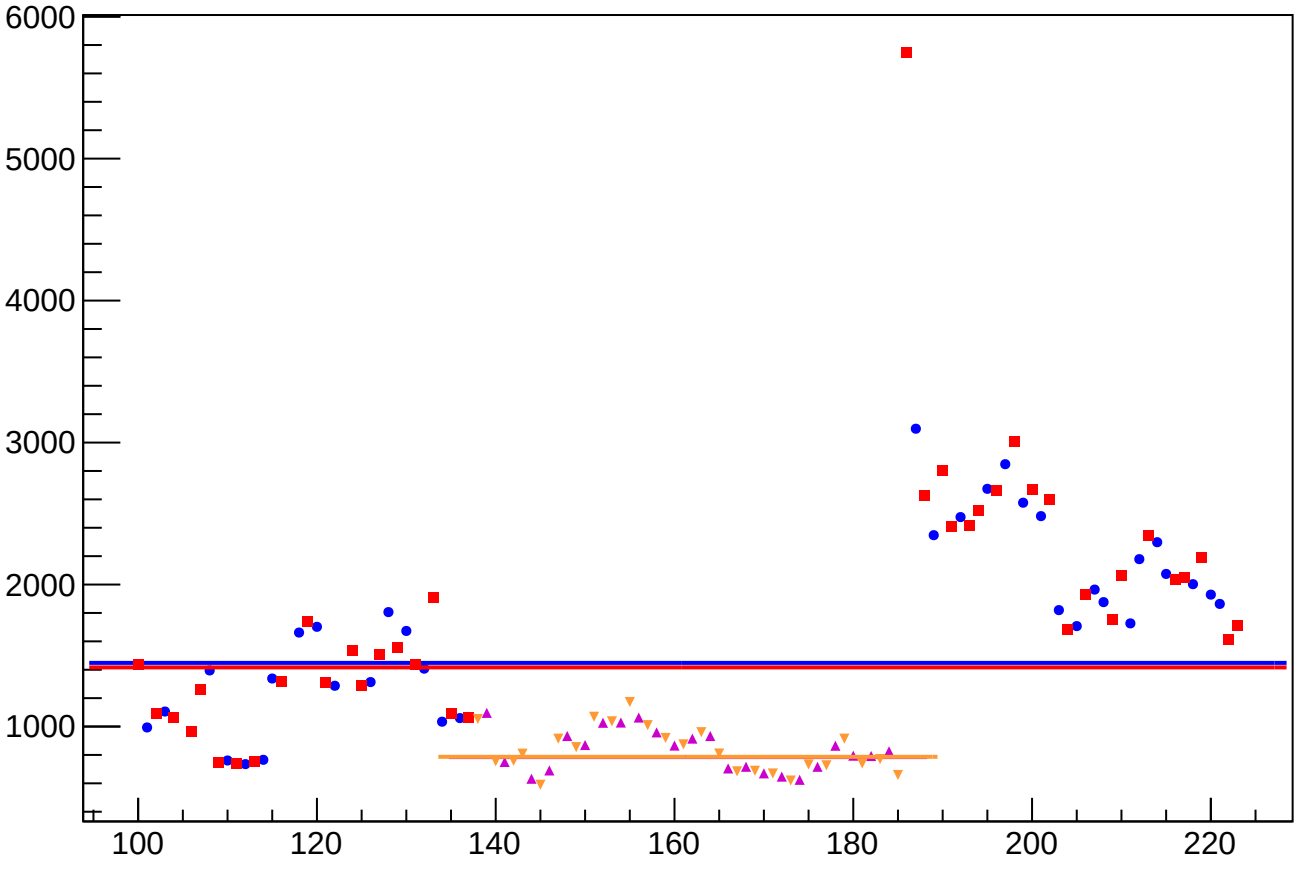
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 306.215+/-232.482 χ^2/NDF: 170.8/72

In: -202.110+/-162.713 χ^2/NDF:100.5/56

Out: -231.915+/-158.937 χ^2/NDF:184.1/63

All: -217.362+/-113.697 χ^2/NDF: 284.6/120



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

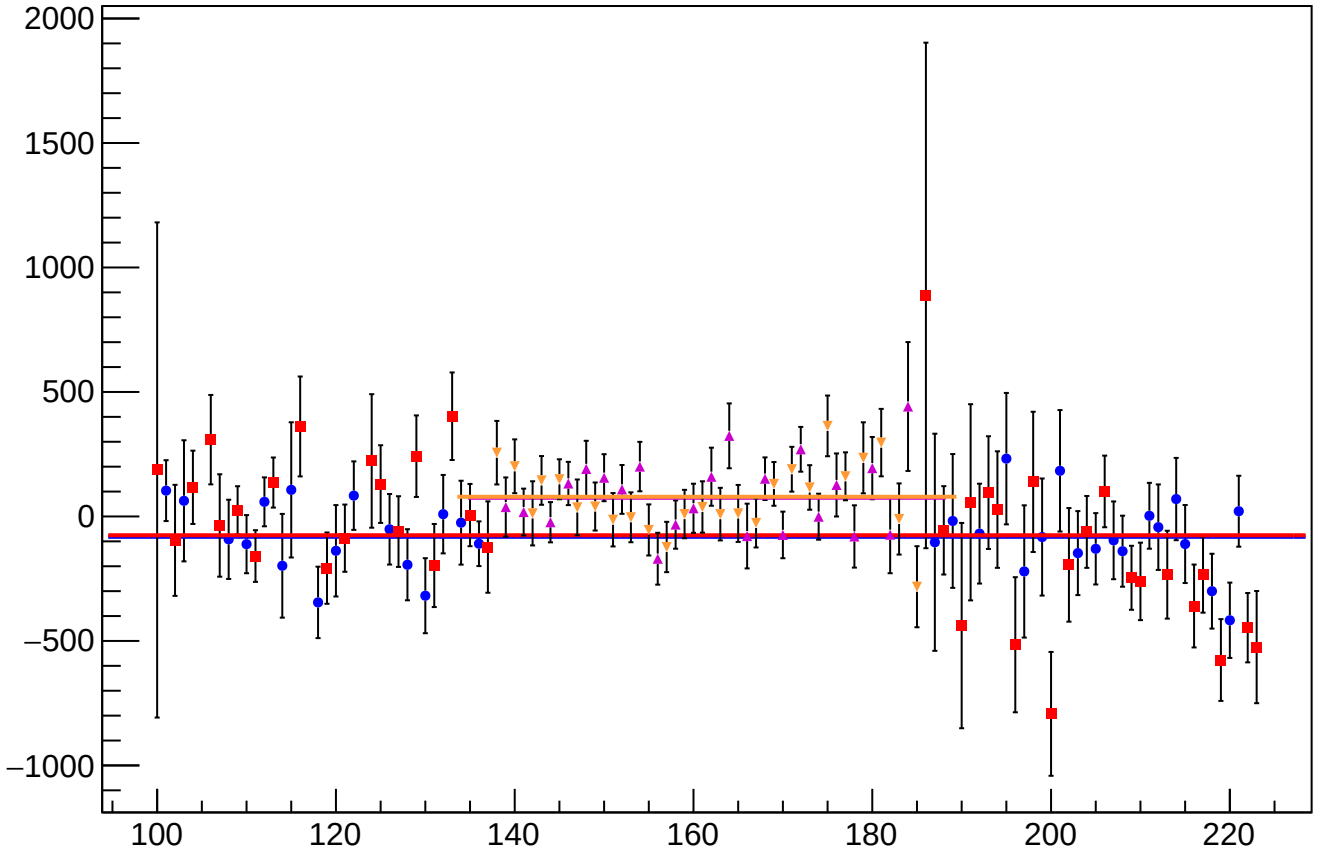
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1432.059+/-0.164 χ^2/NDF: 13388060.4/72

In: 943.691+/-0.115 χ^2/NDF:13006278.7/56

Out: 937.230+/-0.112 χ^2/NDF:14412619.4/63

All: 940.385+/-0.080 χ^2/NDF: 27420511.4/12



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

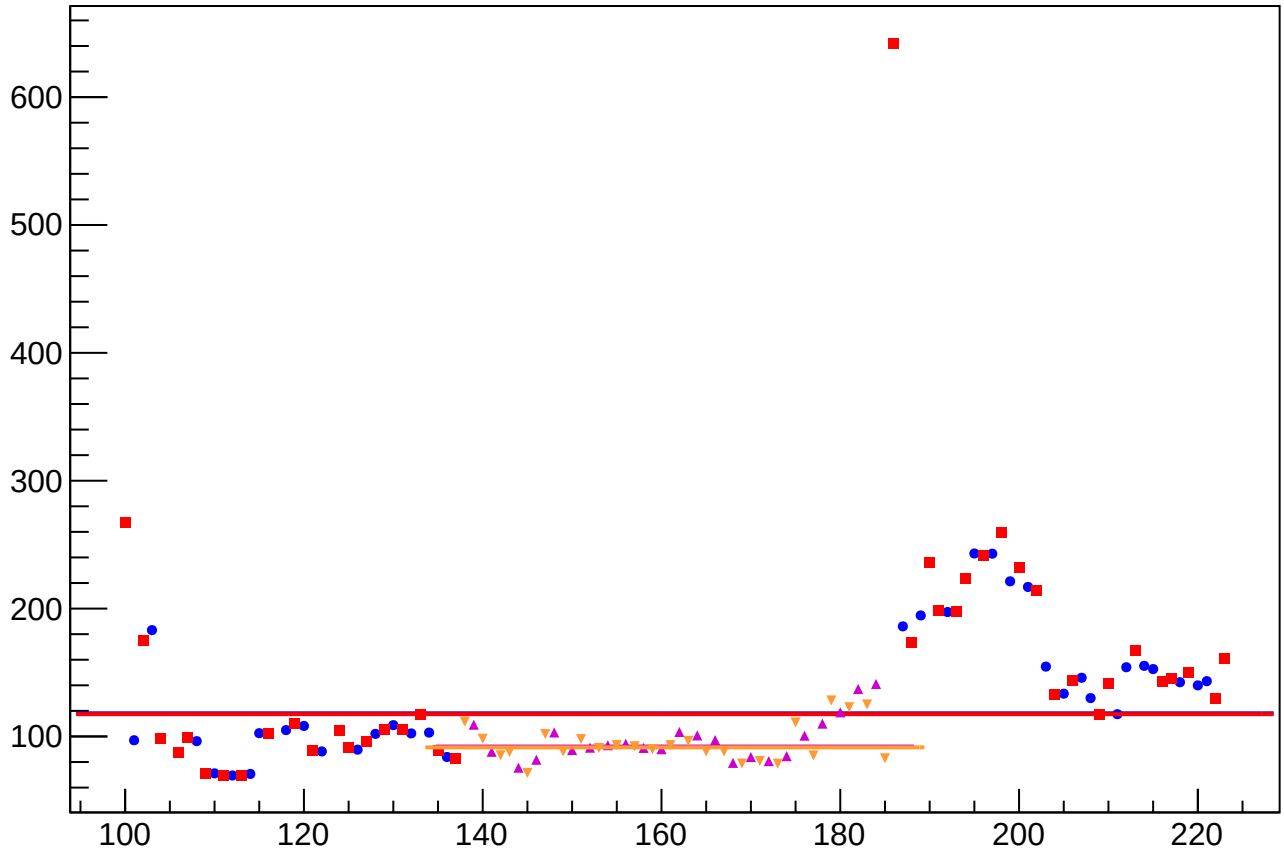
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -78.592+/-18.856 χ^2/NDF: 104.0/72

In: 12.347+/-16.916 χ^2/NDF:79.6/56

Out: 19.352+/-16.528 χ^2/NDF:130.3/63

All: 15.931+/-11.822 χ^2/NDF: 210.0/120



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

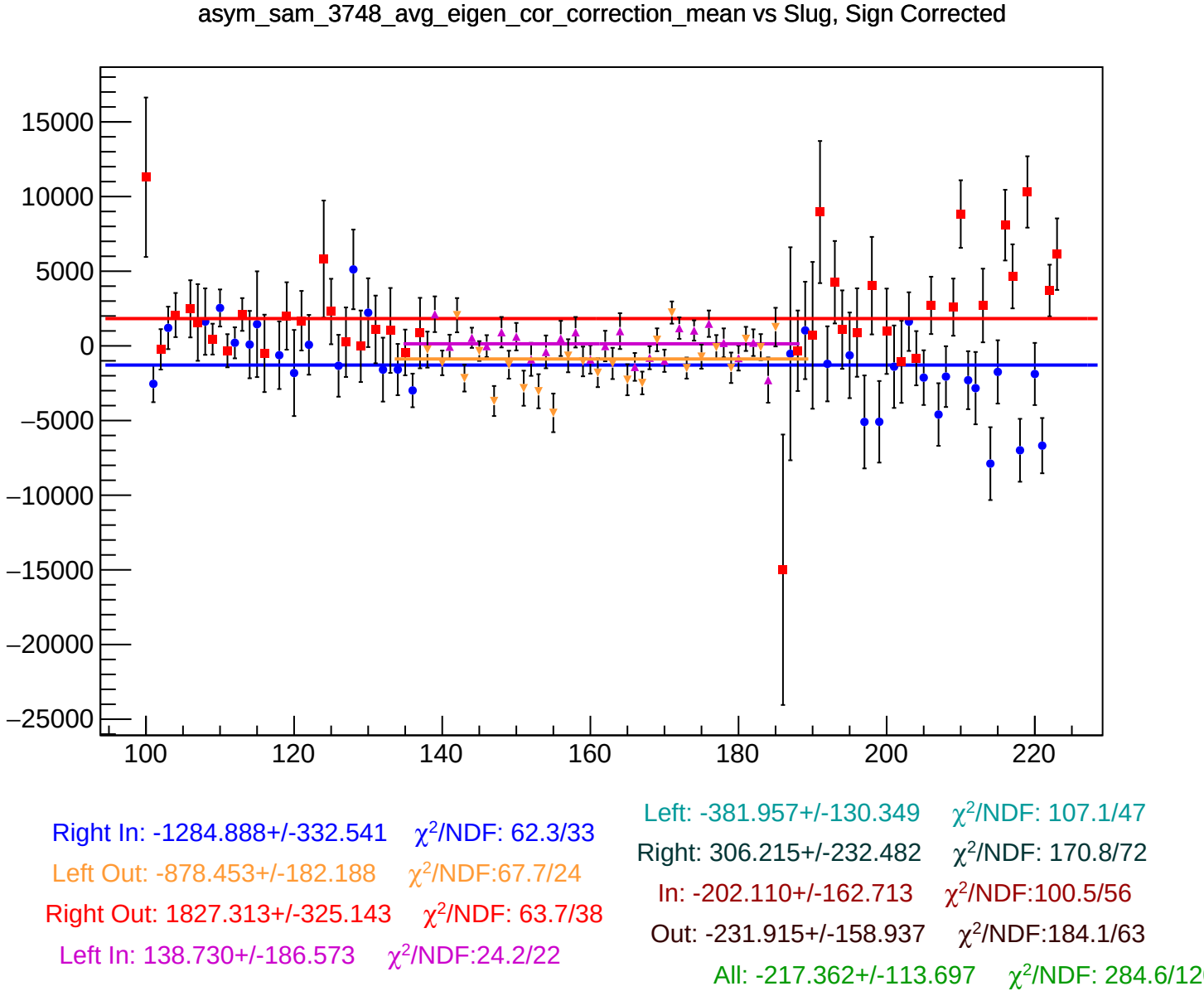
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 117.759+/-0.013 χ^2/NDF: 10458342.9/72

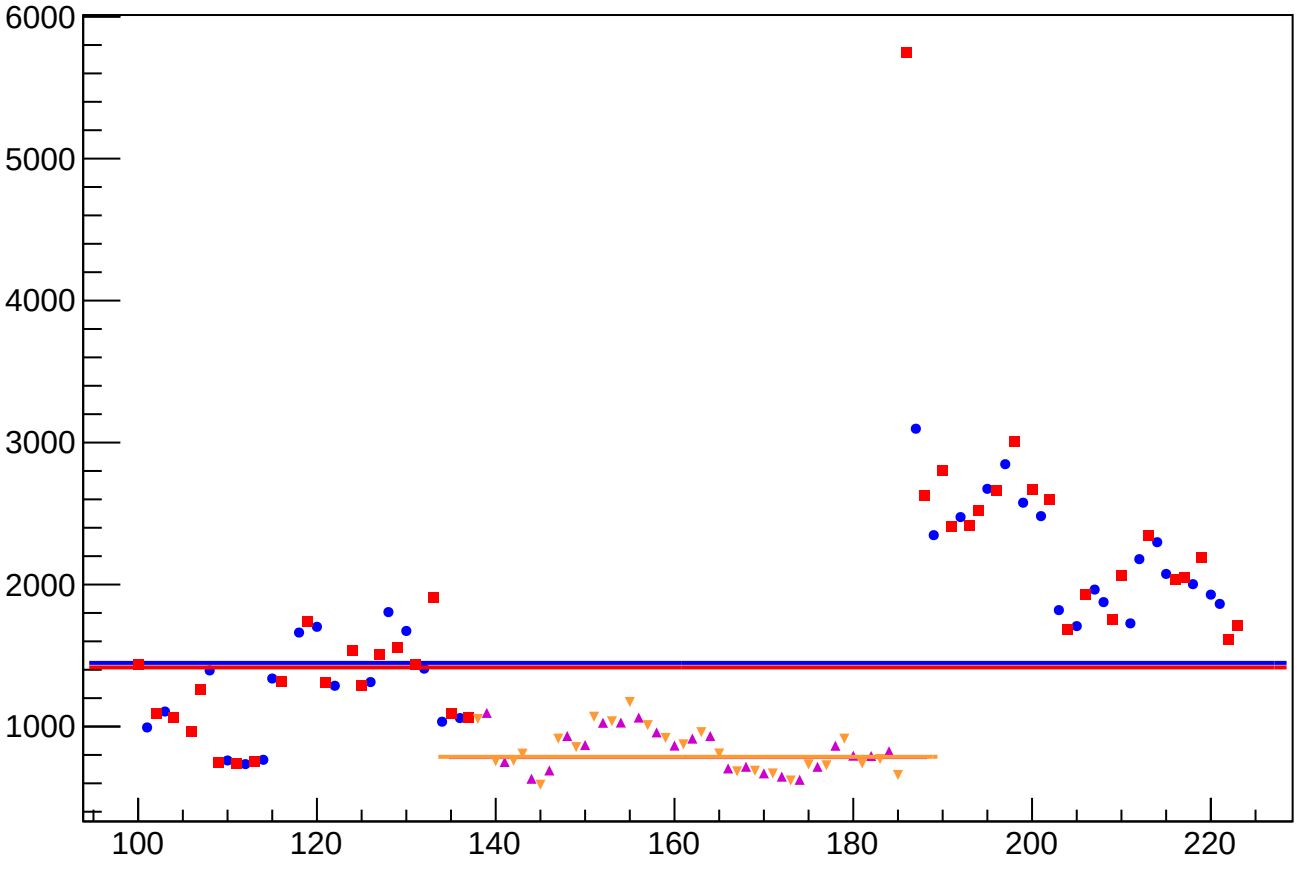
In: 102.494+/-0.012 χ^2/NDF:6315346.6/56

Out: 101.500+/-0.012 χ^2/NDF:7896973.3/63

All: 101.985+/-0.008 χ^2/NDF: 14215858.2/12


asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -1284.888+/-332.541 χ²/NDF: 62.3/33
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1827.313+/-325.143 χ²/NDF: 63.7/38
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 306.215+/-232.482 χ²/NDF: 170.8/72
In: -202.110+/-162.713 χ²/NDF:100.5/56
Out: -231.915+/-158.937 χ²/NDF:184.1/63
All: -217.362+/-113.697 χ²/NDF: 284.6/120

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

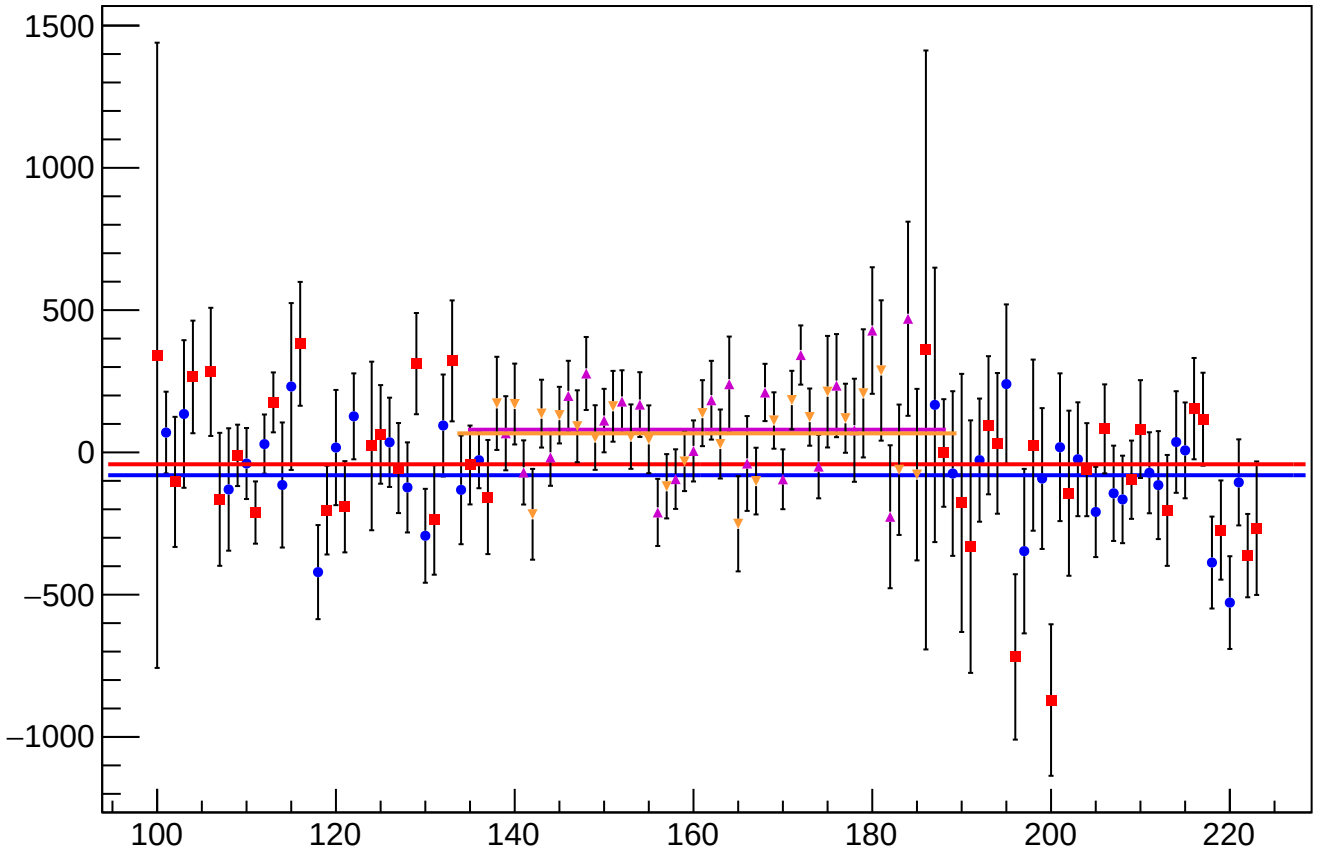
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1432.059+/-0.164 χ^2/NDF: 13388060.4/72

In: 943.691+/-0.115 χ^2/NDF:13006278.7/56

Out: 937.230+/-0.112 χ^2/NDF:14412619.4/63

All: 940.385+/-0.080 χ^2/NDF: 27420511.4/12



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

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

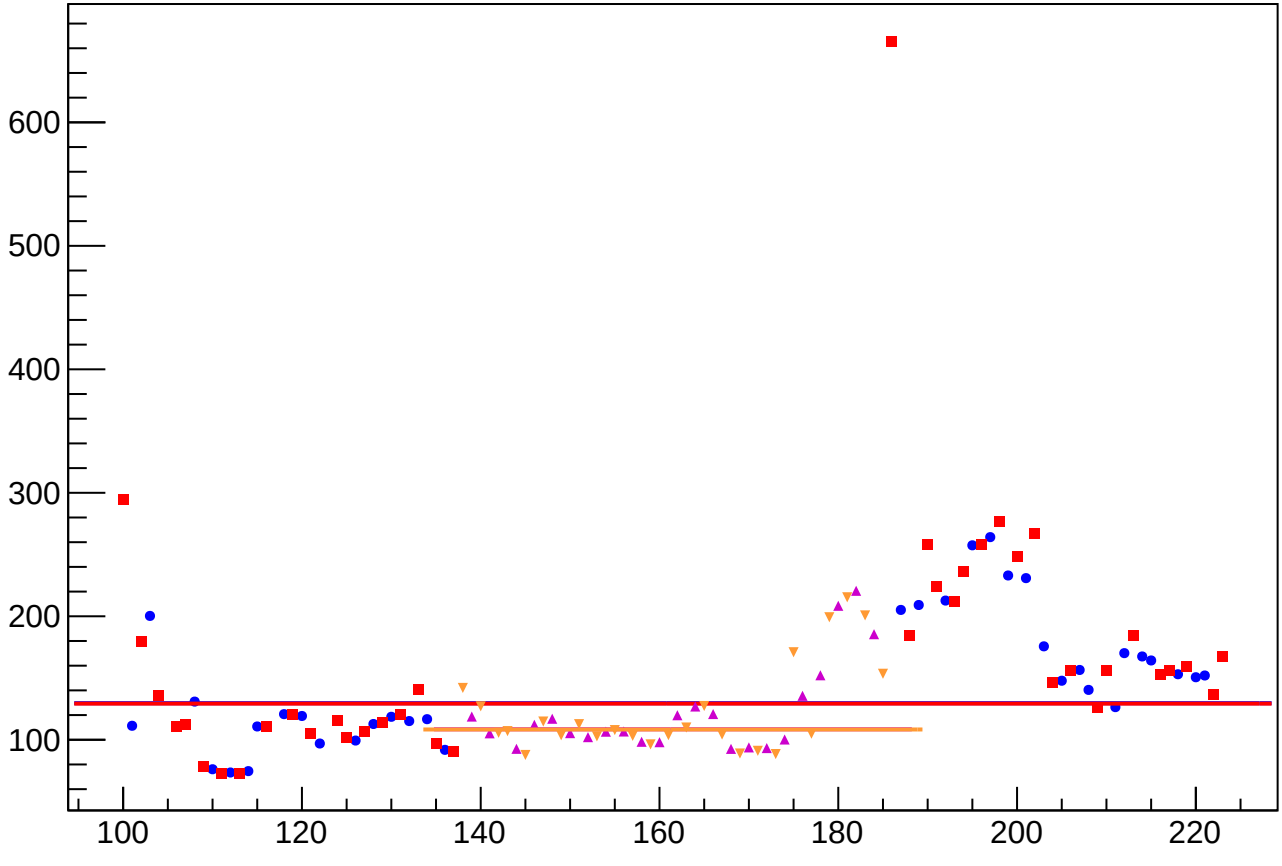
Right: -60.906+/-20.748 χ^2/NDF: 84.9/72

In: 8.640+/-19.599 χ^2/NDF:83.3/56

Out: 19.885+/-19.269 χ^2/NDF:81.5/63

All: 14.358+/-13.740 χ^2/NDF: 165.0/120

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

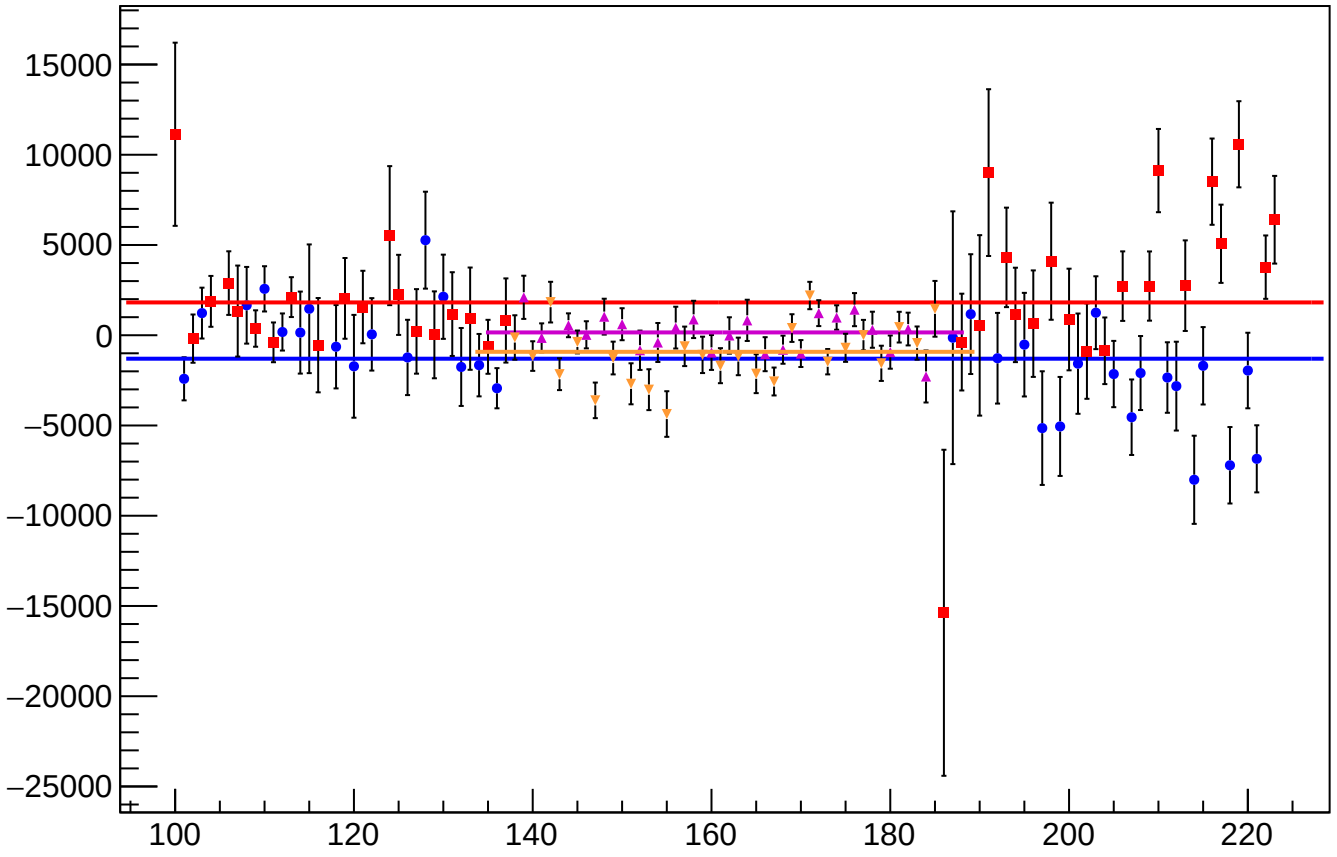
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 129.450+/-0.015 χ^2/NDF: 10229431.0/72

In: 117.891+/-0.014 χ^2/NDF:6323939.9/56

Out: 117.392+/-0.014 χ^2/NDF:8213709.7/63

All: 117.637+/-0.010 χ^2/NDF: 14538306.8/12



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

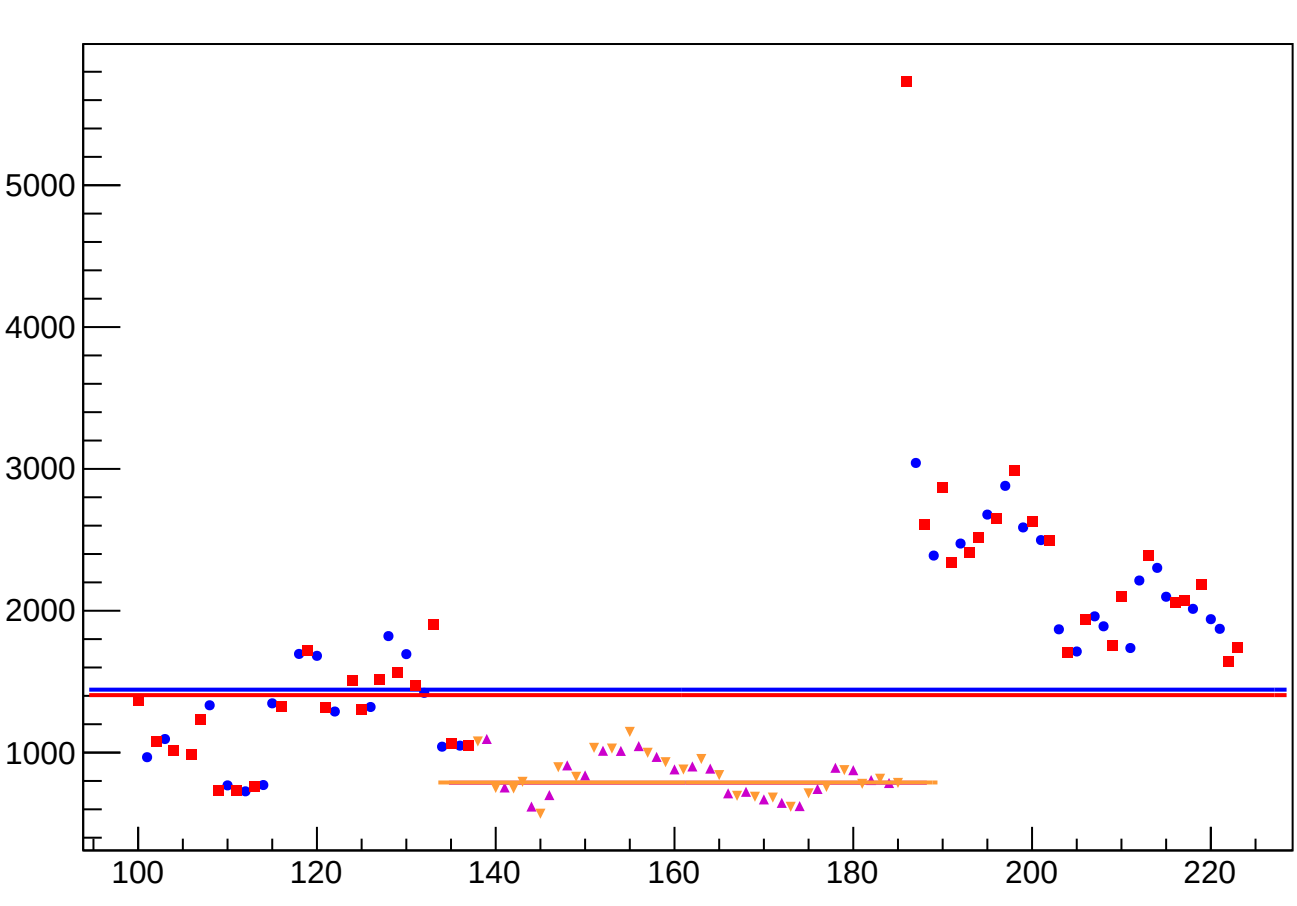
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 303.628+/-231.441 χ^2/NDF: 177.0/72

In: -194.981+/-163.025 χ^2/NDF:100.7/56

Out: -255.779+/-158.828 χ^2/NDF:187.2/63

All: -226.172+/-113.763 χ^2/NDF: 288.0/120



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

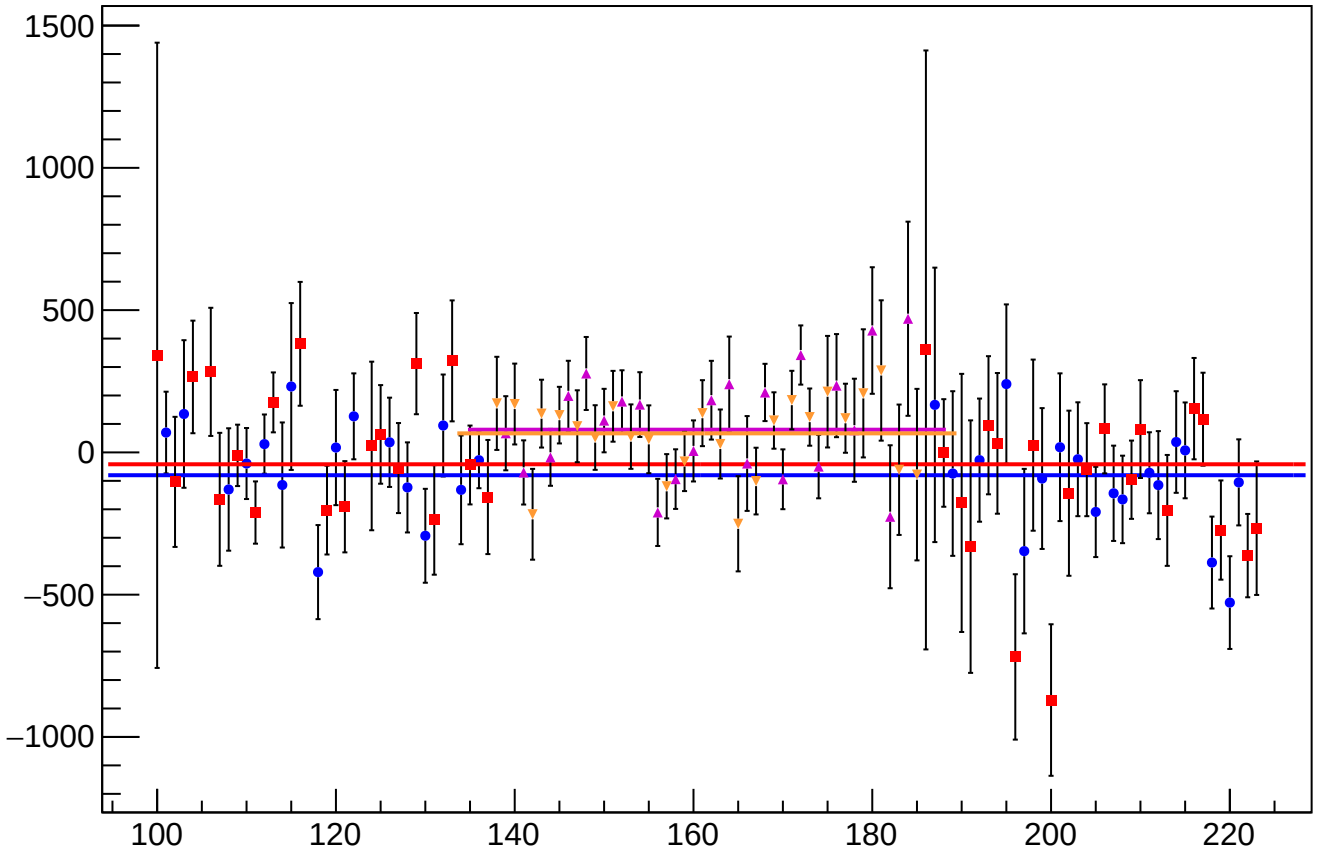
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1423.863+/-0.164 χ^2/NDF: 13738535.6/72

In: 945.512+/-0.115 χ^2/NDF:13035365.9/56

Out: 938.460+/-0.112 χ^2/NDF:14356211.1/63

All: 941.894+/-0.080 χ^2/NDF: 27393497.1/12



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

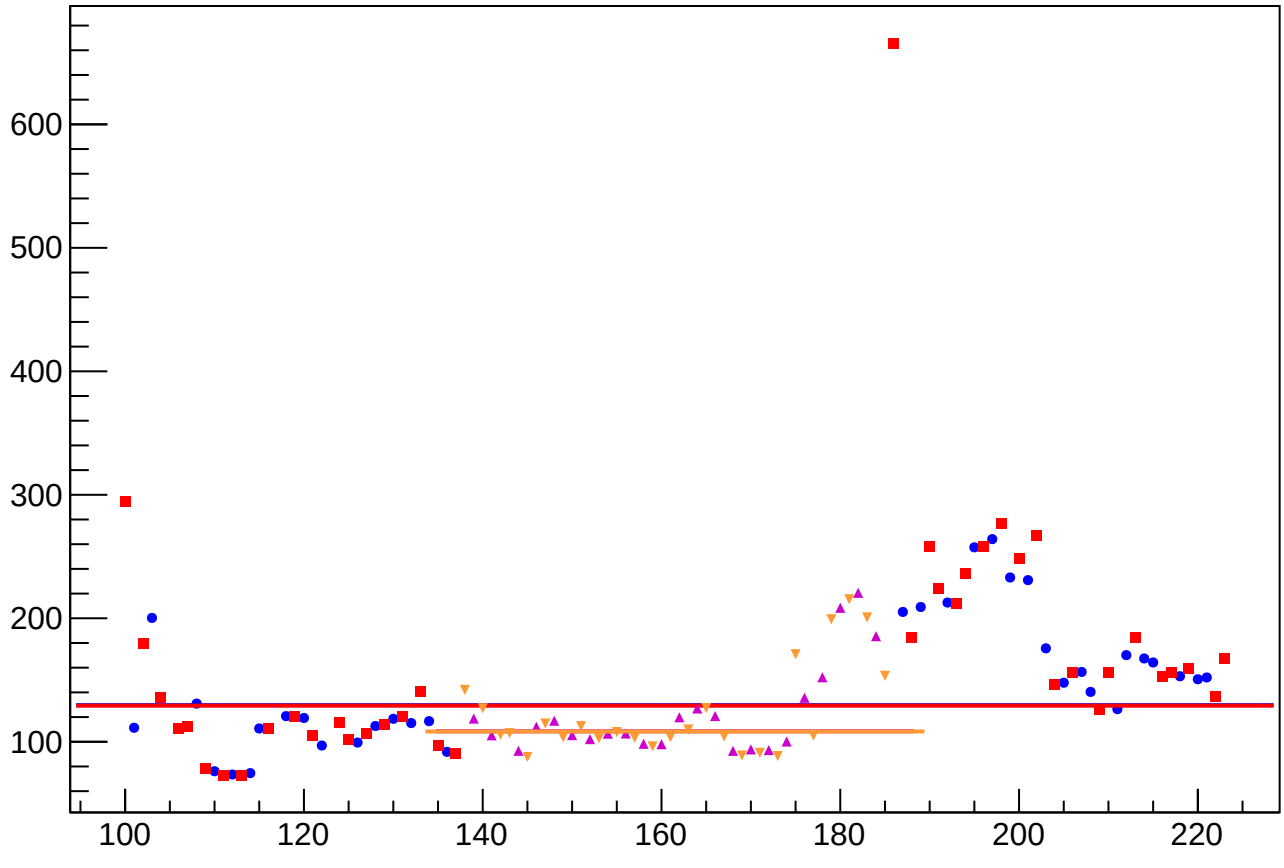
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -60.907+/-20.748 χ^2/NDF: 84.9/72

In: 8.641+/-19.599 χ^2/NDF:83.3/56

Out: 19.884+/-19.269 χ^2/NDF:81.5/63

All: 14.358+/-13.740 χ^2/NDF: 165.0/120



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

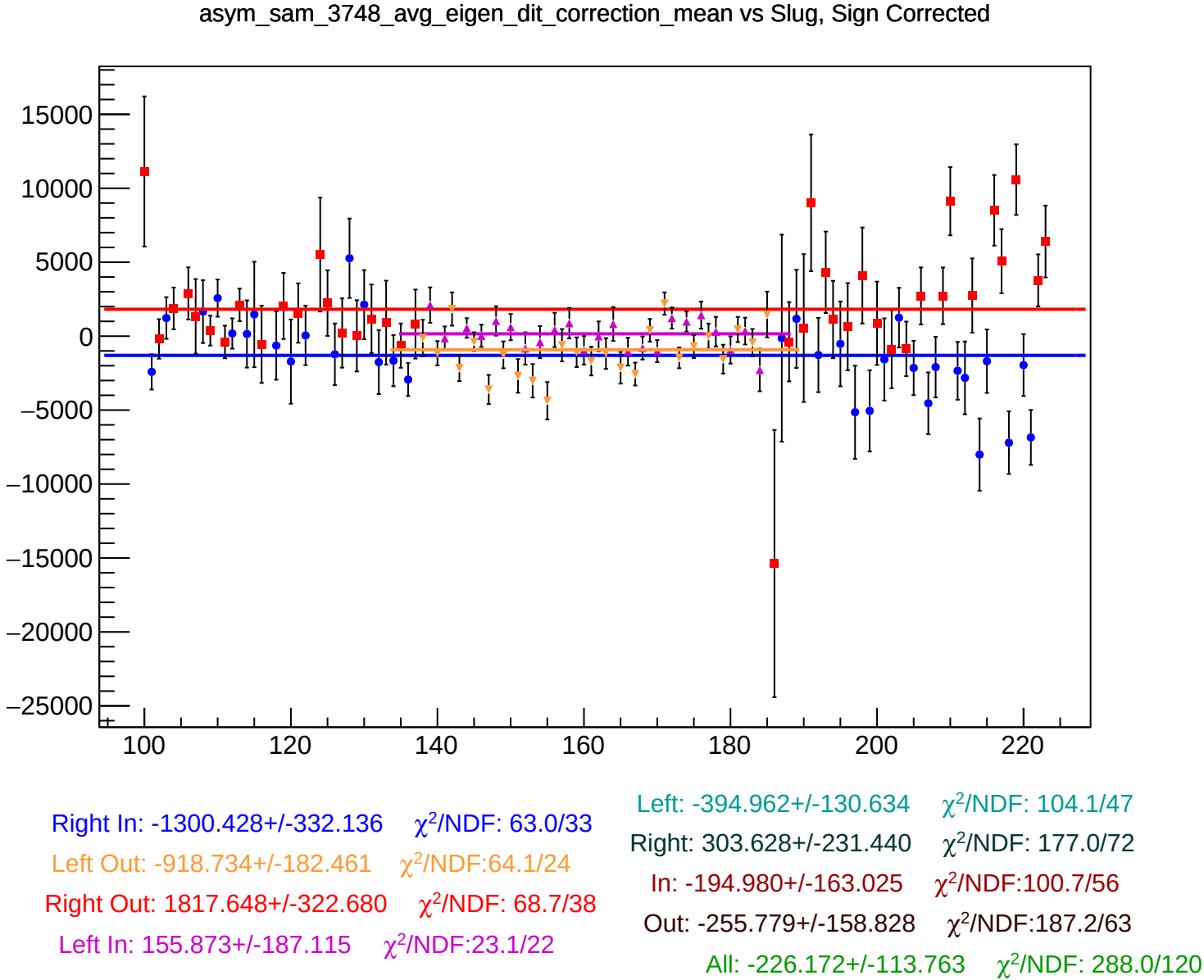
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 129.451+/-0.015 χ^2/NDF: 10229407.6/72

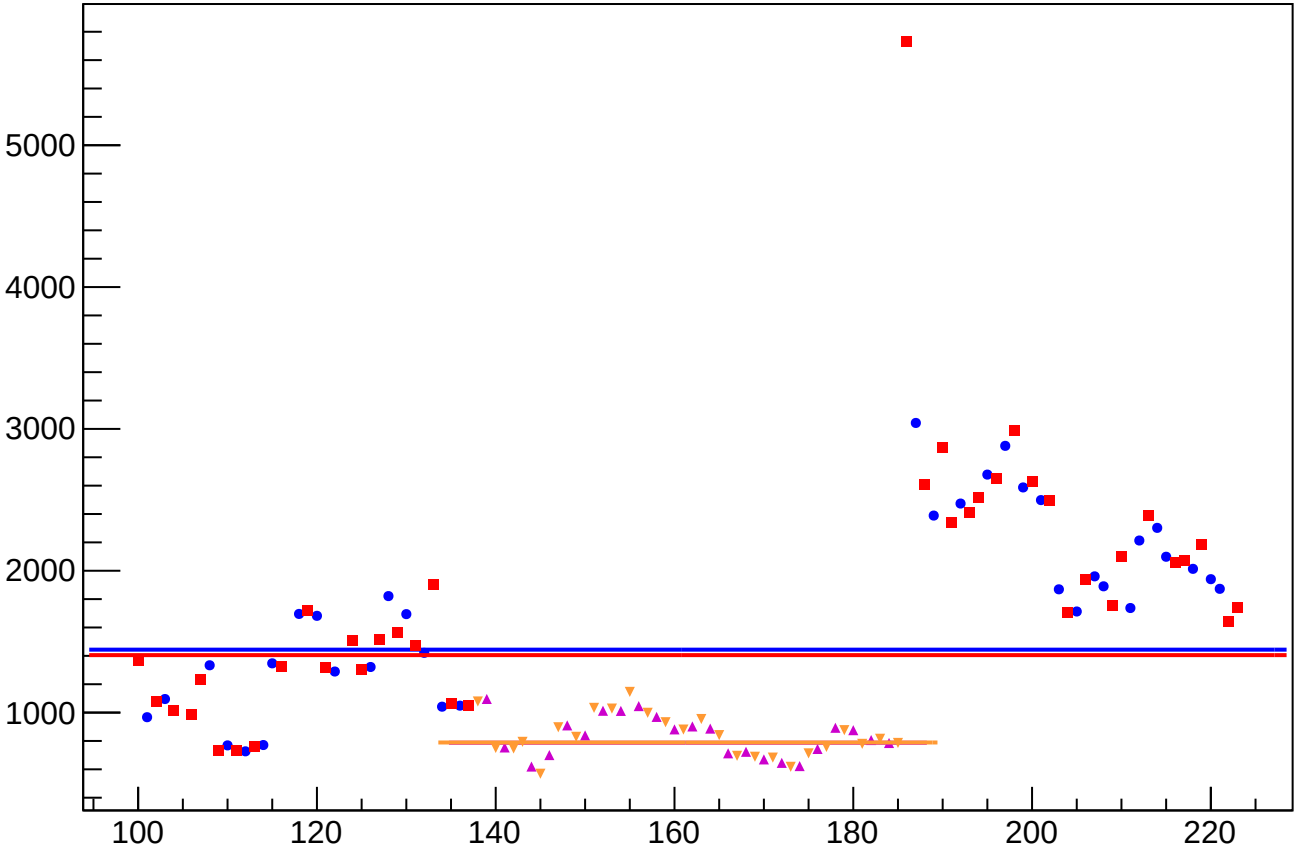
In: 117.891+/-0.014 χ^2/NDF:6323889.6/56

Out: 117.393+/-0.014 χ^2/NDF:8213687.5/63

All: 117.638+/-0.010 χ^2/NDF: 14538234.3/12


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -1300.428+/-332.136 χ²/NDF: 63.0/33
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 1817.648+/-322.680 χ²/NDF: 68.7/38
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 303.628+/-231.440 χ²/NDF: 177.0/72
In: -194.980+/-163.025 χ²/NDF:100.7/56
Out: -255.779+/-158.828 χ²/NDF:187.2/63
All: -226.172+/-113.763 χ²/NDF: 288.0/120

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

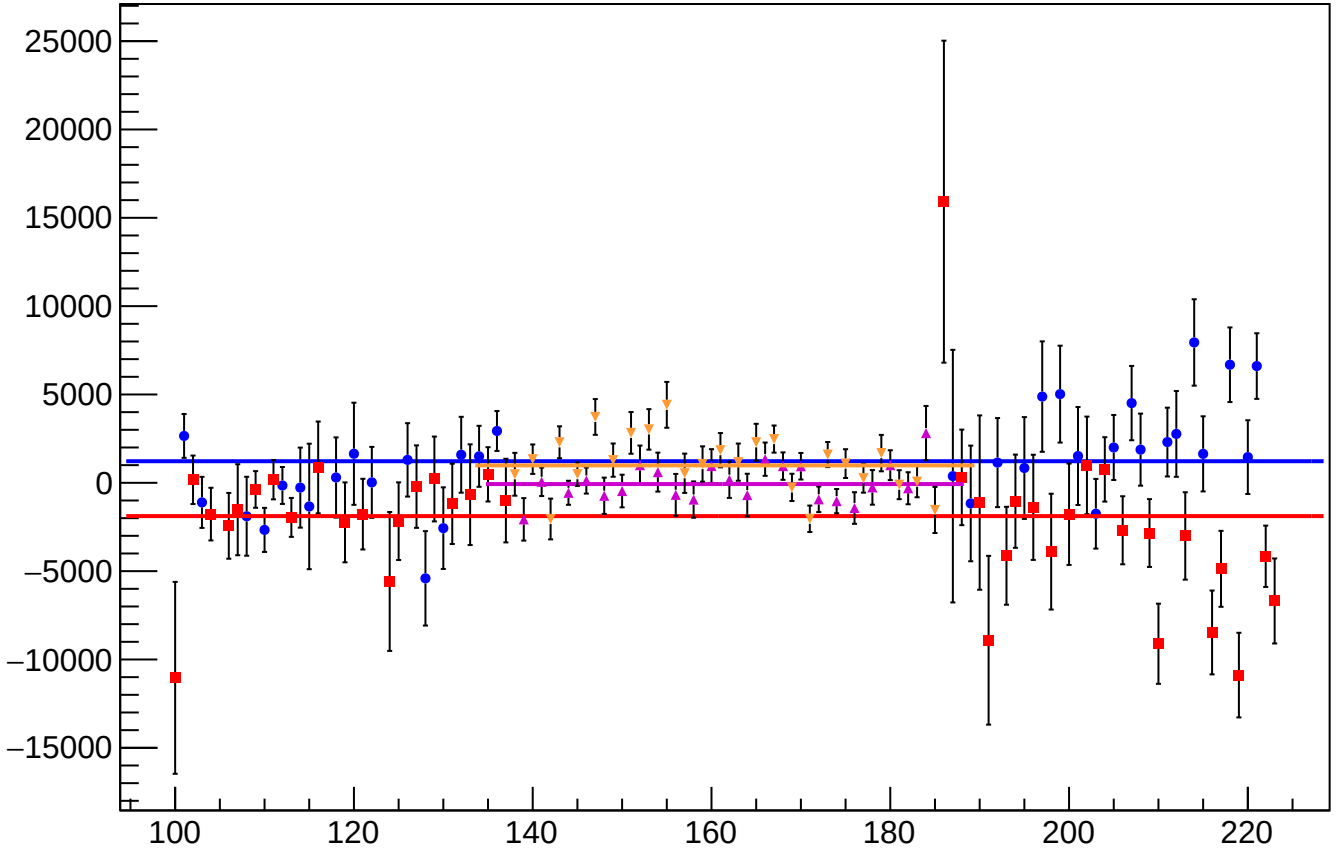
Right: 1423.861+/-0.164 χ^2/NDF: 13738560.4/72

In: 945.511+/-0.115 χ^2/NDF:13035382.6/56

Out: 938.459+/-0.112 χ^2/NDF:14356228.9/63

All: 941.893+/-0.080 χ^2/NDF: 27393531.5/12

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

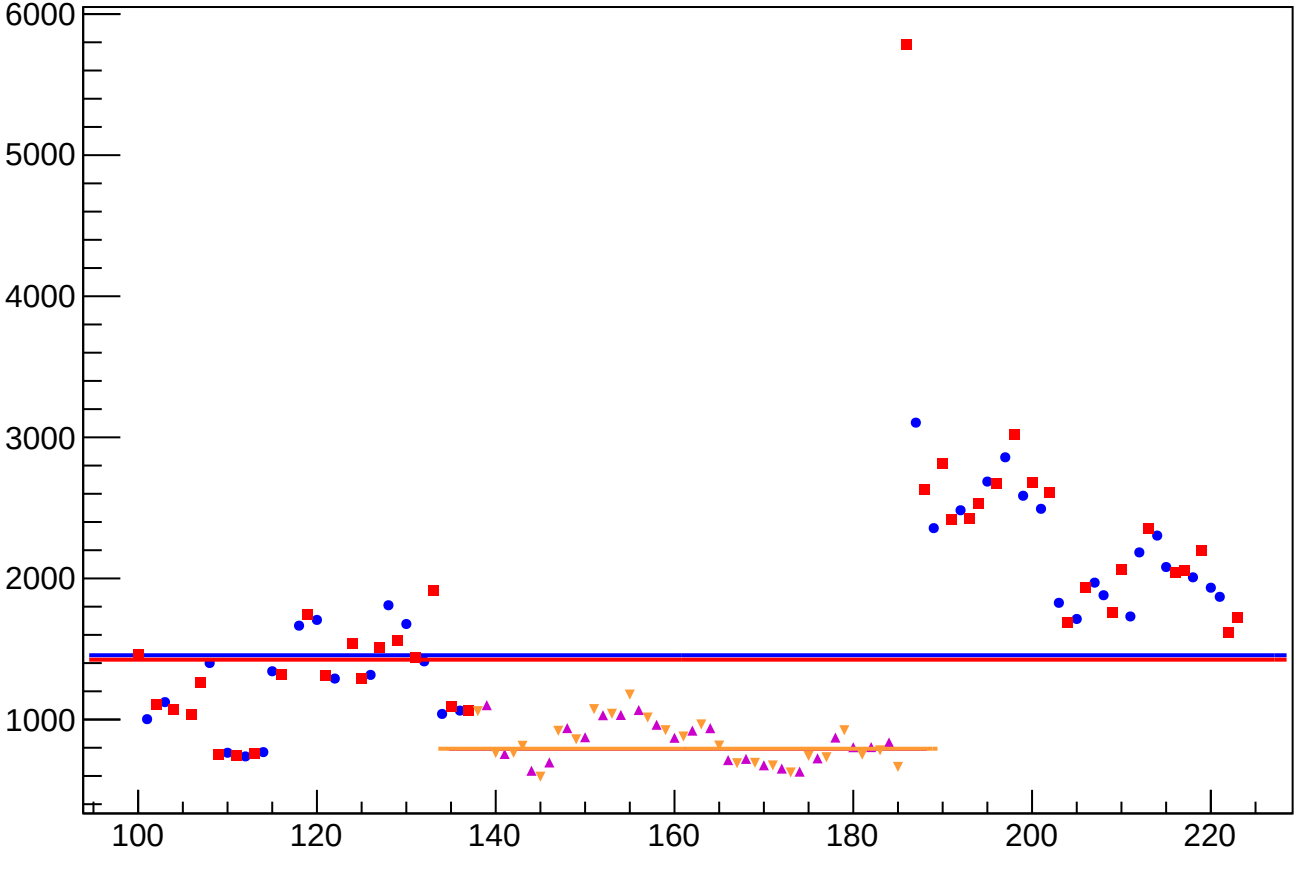
Right: -367.281+/-233.411 χ^2/NDF: 174.7/72

In: 240.979+/-163.859 χ^2/NDF:98.1/56

Out: 295.478+/-160.007 χ^2/NDF:190.6/63

All: 268.876+/-114.480 χ^2/NDF: 288.7/120

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

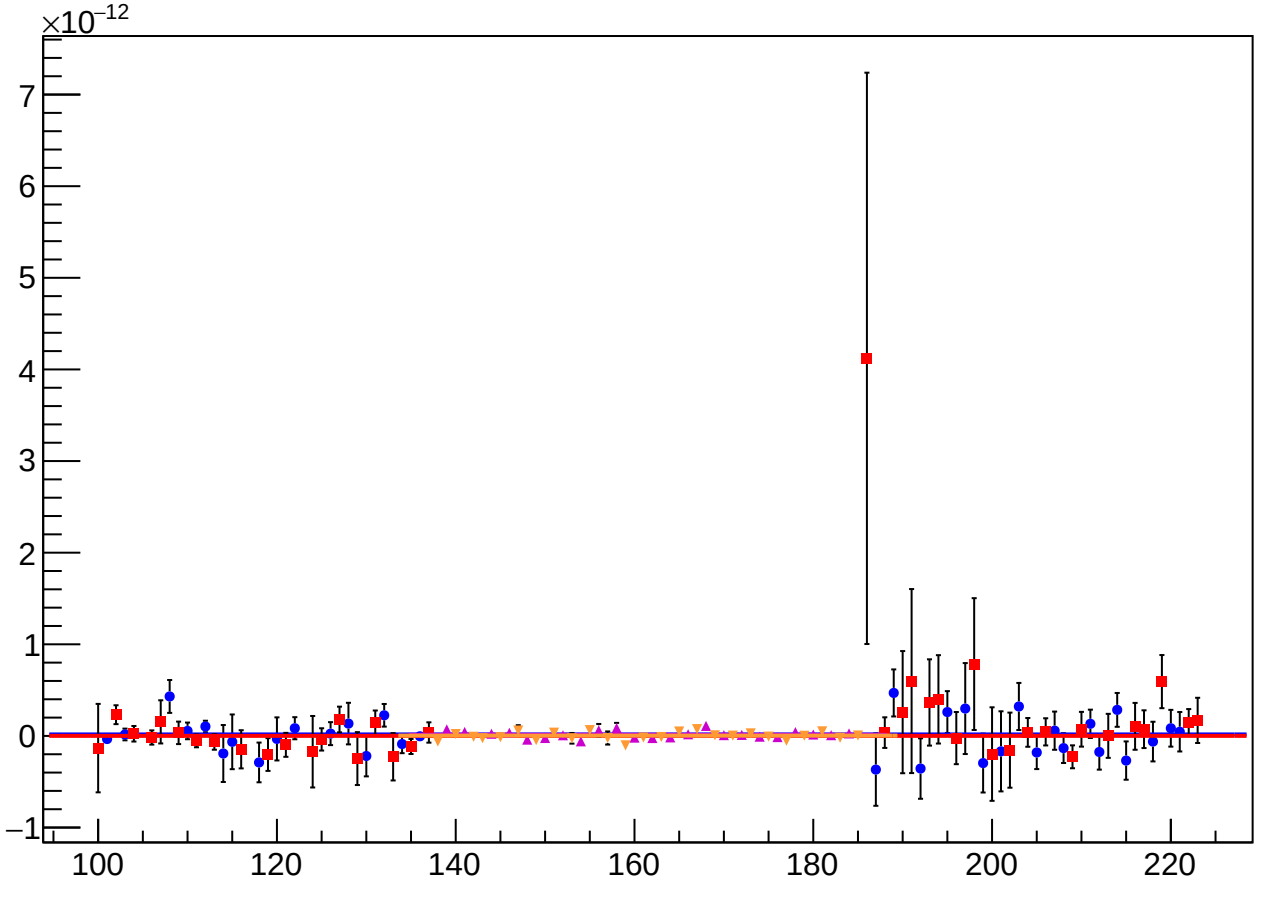
Right: 1439.582+/-0.165 χ^2/NDF: 13302713.0/72

In: 951.026+/-0.116 χ^2/NDF:12910112.8/56

Out: 944.870+/-0.113 χ^2/NDF:14321336.3/63

All: 947.875+/-0.081 χ^2/NDF: 27232894.3/12

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

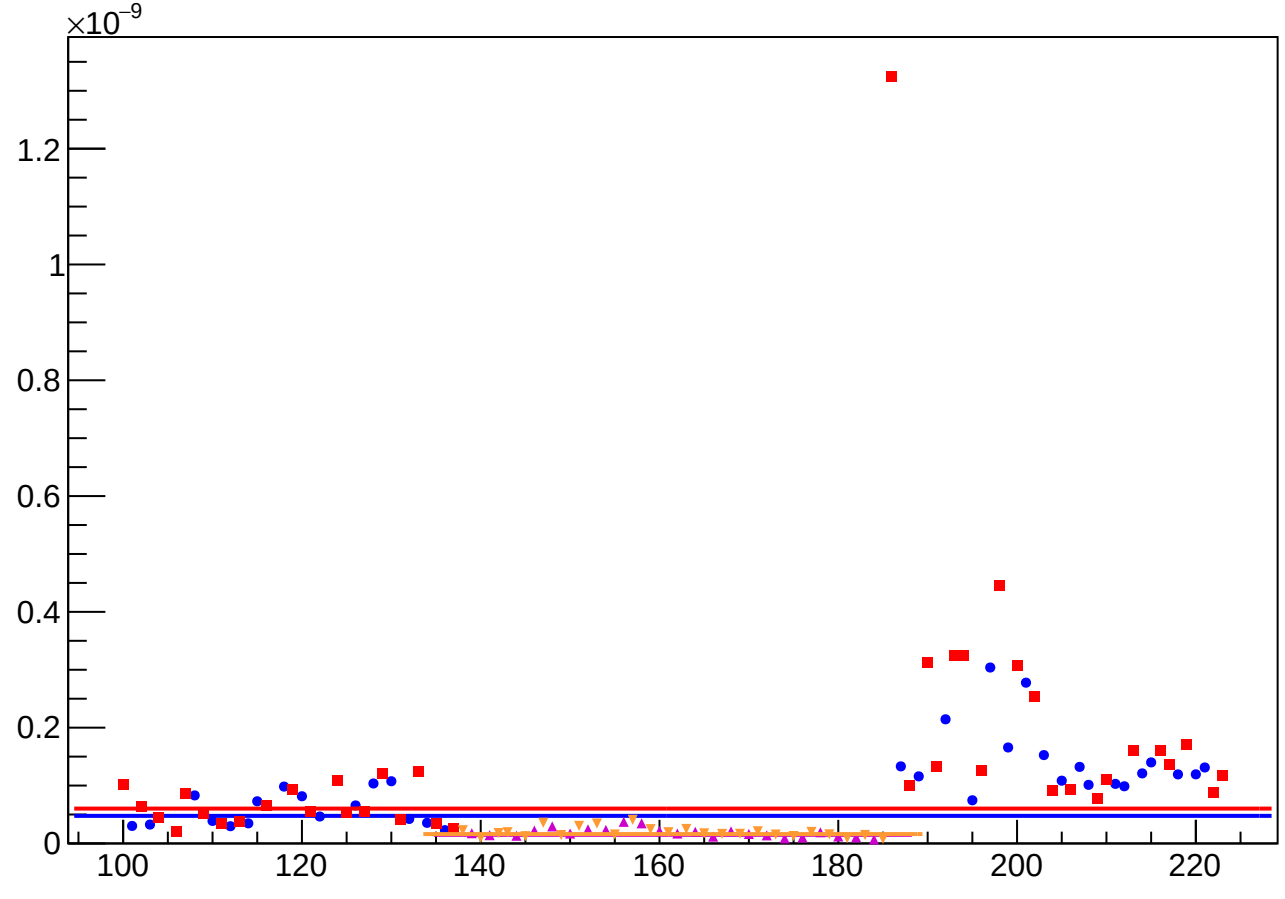
Right: 0.000+/-0.000 χ^2/NDF: 65.0/72

In: 0.000+/-0.000 χ^2/NDF:59.4/56

Out: 0.000+/-0.000 χ^2/NDF:64.6/63

All: 0.000+/-0.000 χ^2/NDF: 125.1/120

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

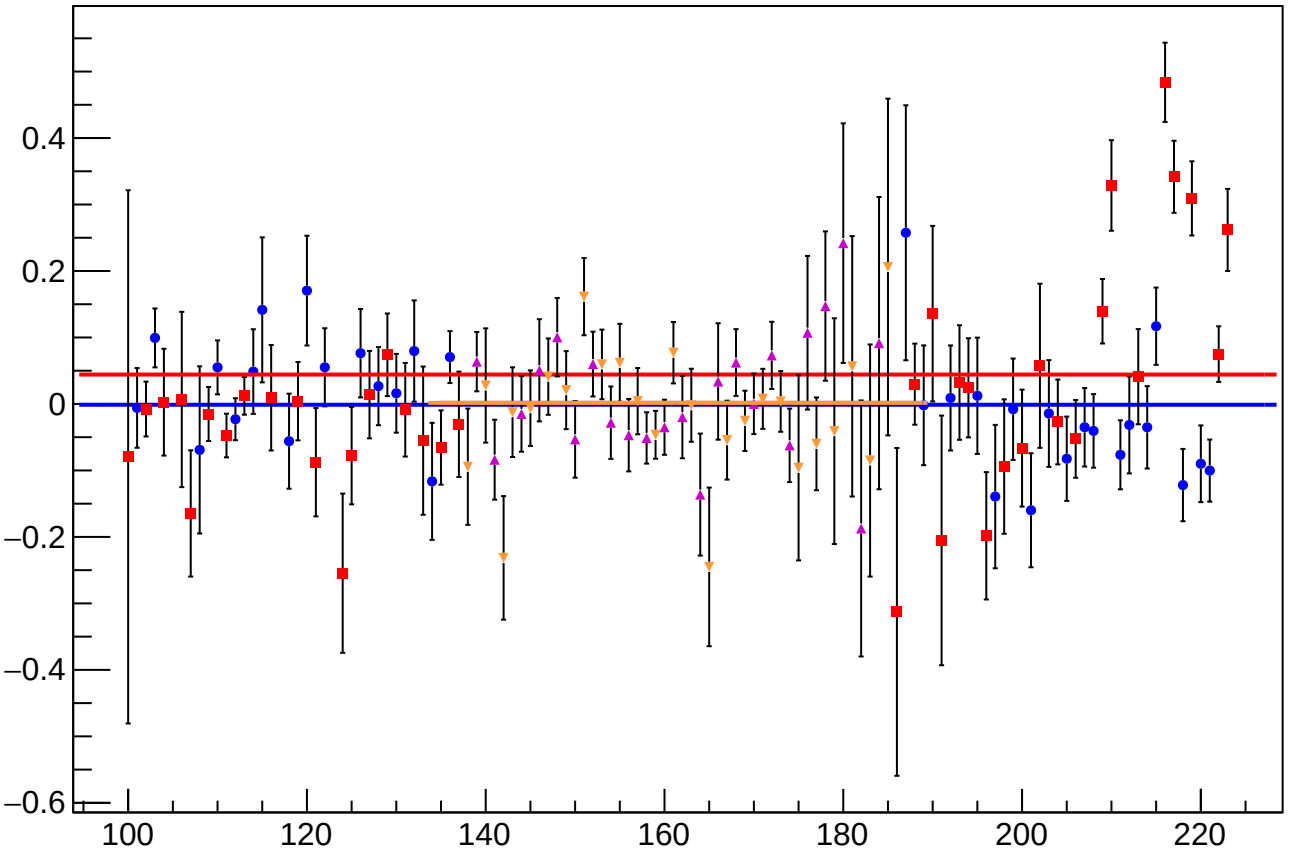
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14452599.4/72

In: 0.000+/-0.000 χ^2/NDF:13497865.0/56

Out: 0.000+/-0.000 χ^2/NDF:15202794.6/63

All: 0.000+/-0.000 χ^2/NDF: 28749362.3/120



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

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

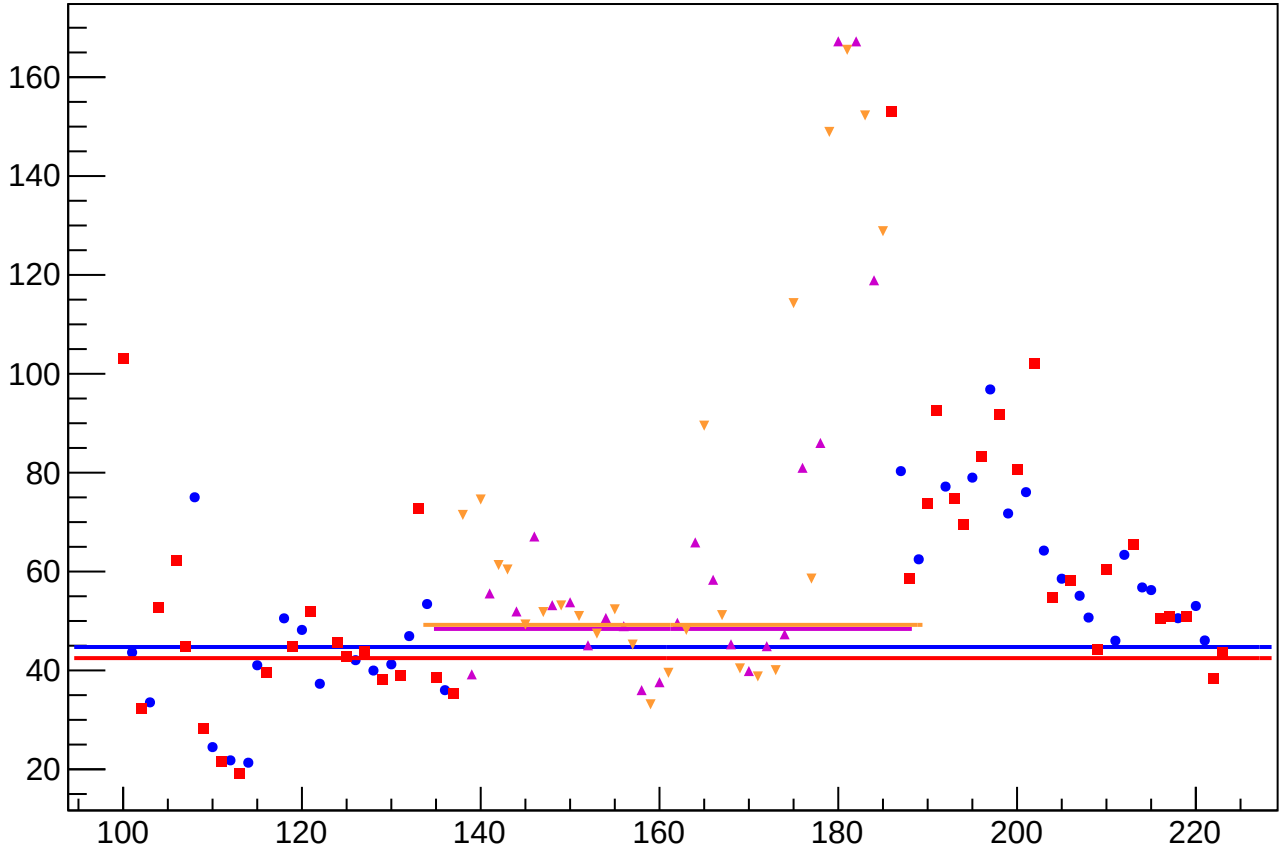
Right: 0.022+/-0.007 χ^2/NDF: 258.4/72

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.027+/-0.008 χ^2/NDF:234.2/63

All: 0.014+/-0.006 χ^2/NDF: 318.2/120

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

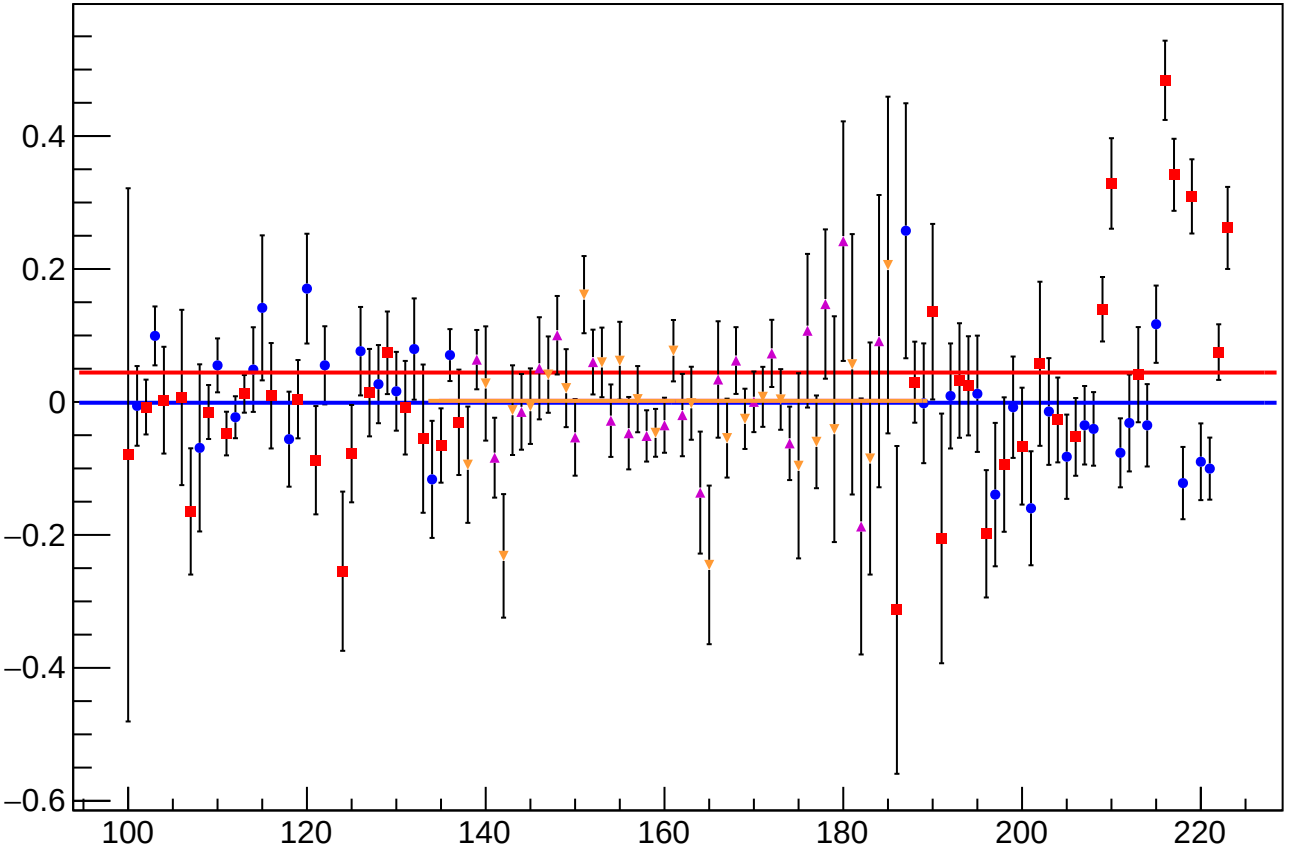
Right: 43.566+/-0.005 χ^2/NDF: 11364204.5/72

In: 46.249+/-0.006 χ^2/NDF:7824870.8/56

Out: 45.160+/-0.005 χ^2/NDF:11159033.4/63

All: 45.690+/-0.004 χ^2/NDF: 19003139.3/120

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

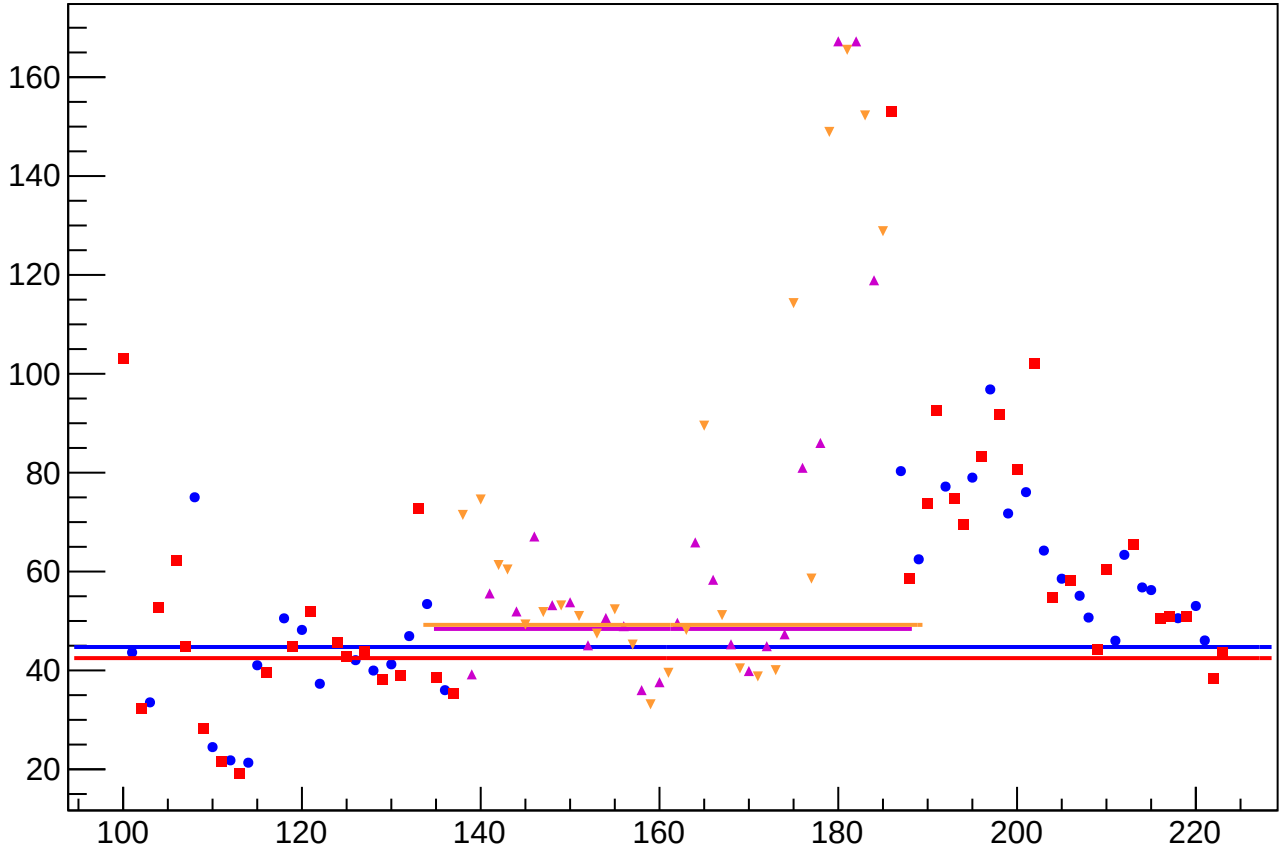
Right: 0.022+/-0.007 χ^2/NDF: 258.4/72

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.027+/-0.008 χ^2/NDF:234.2/63

All: 0.014+/-0.006 χ^2/NDF: 318.2/120

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

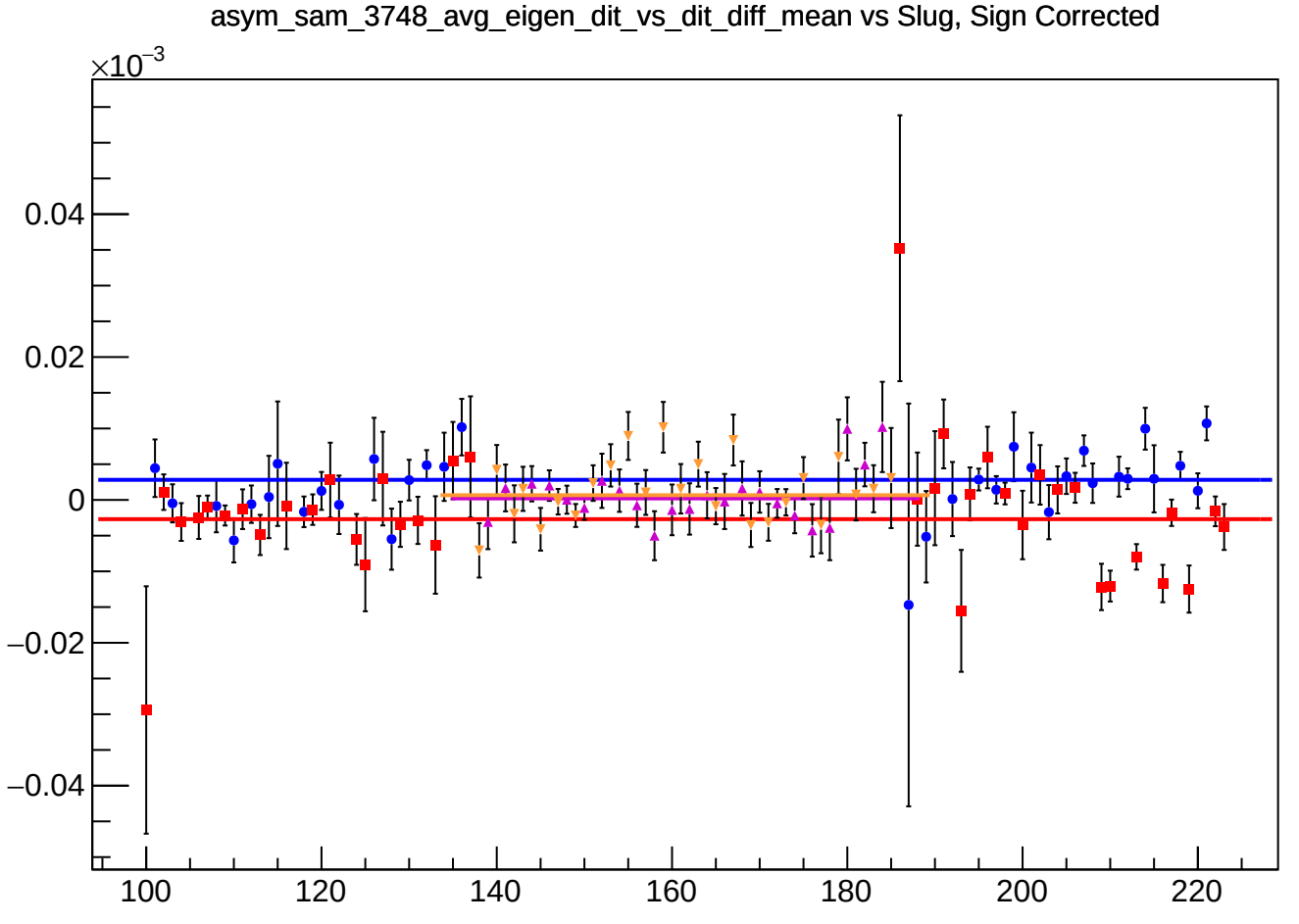
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.566+/-0.005 χ^2/NDF: 11364204.5/72

In: 46.249+/-0.006 χ^2/NDF:7824870.8/56

Out: 45.160+/-0.005 χ^2/NDF:11159033.4/63

All: 45.690+/-0.004 χ^2/NDF: 19003139.3/120



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

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

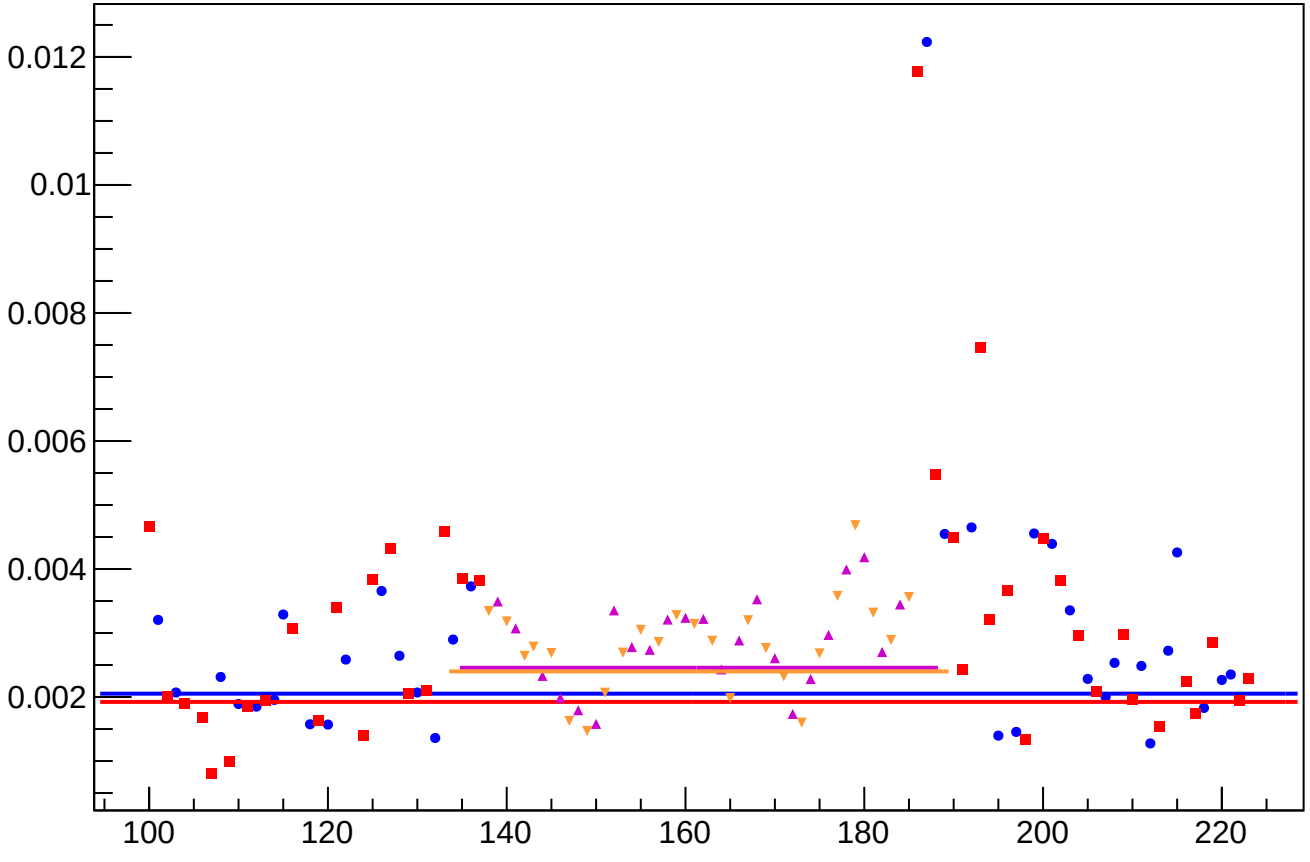
Right: -0.000+/-0.000 χ^2/NDF: 226.0/72

In: 0.000+/-0.000 χ^2/NDF:84.8/56

Out: -0.000+/-0.000 χ^2/NDF:166.1/63

All: 0.000+/-0.000 χ^2/NDF: 288.7/120

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

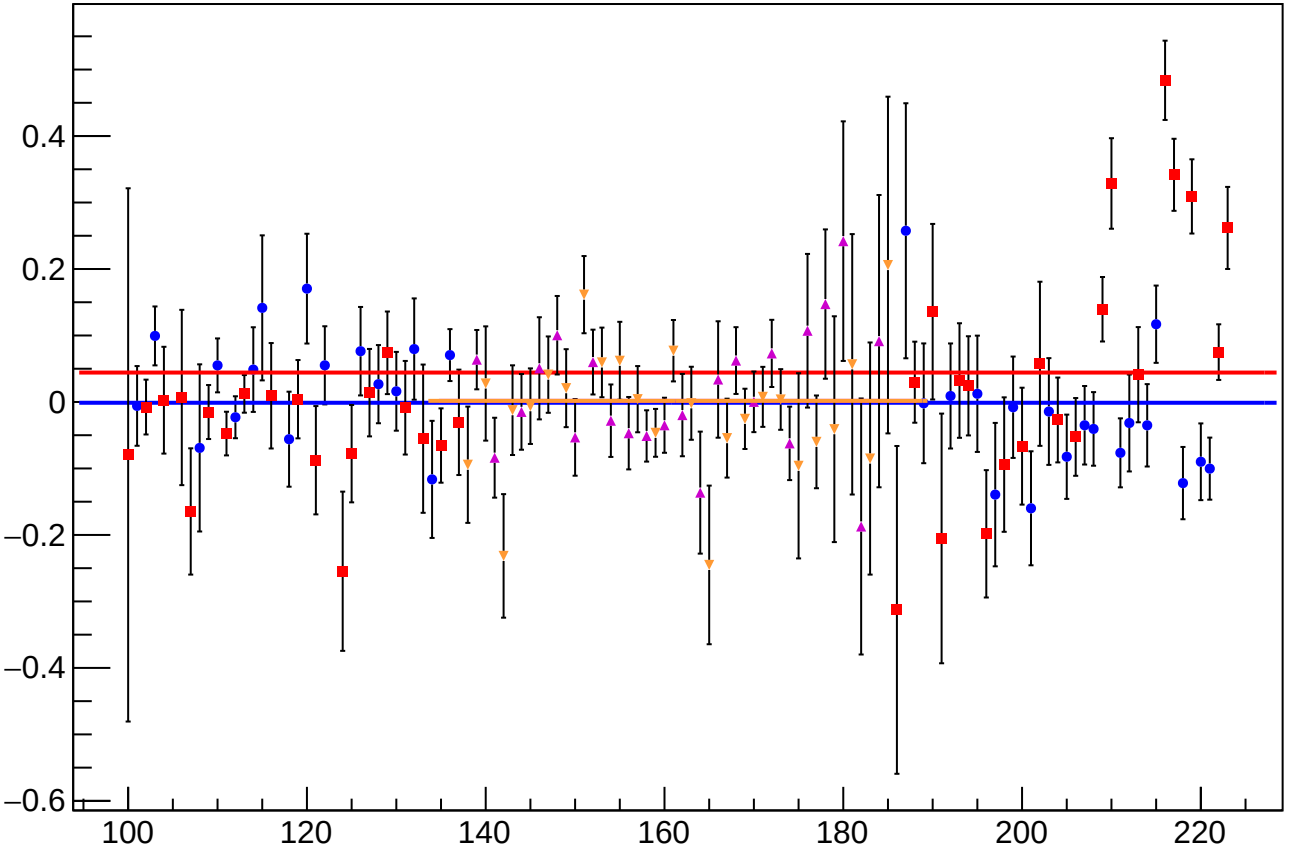
Right: 0.002+/-0.000 χ^2/NDF: 13632487.8/72

In: 0.002+/-0.000 χ^2/NDF:8618794.1/56

Out: 0.002+/-0.000 χ^2/NDF:12088241.8/63

All: 0.002+/-0.000 χ^2/NDF: 20782897.5/120

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

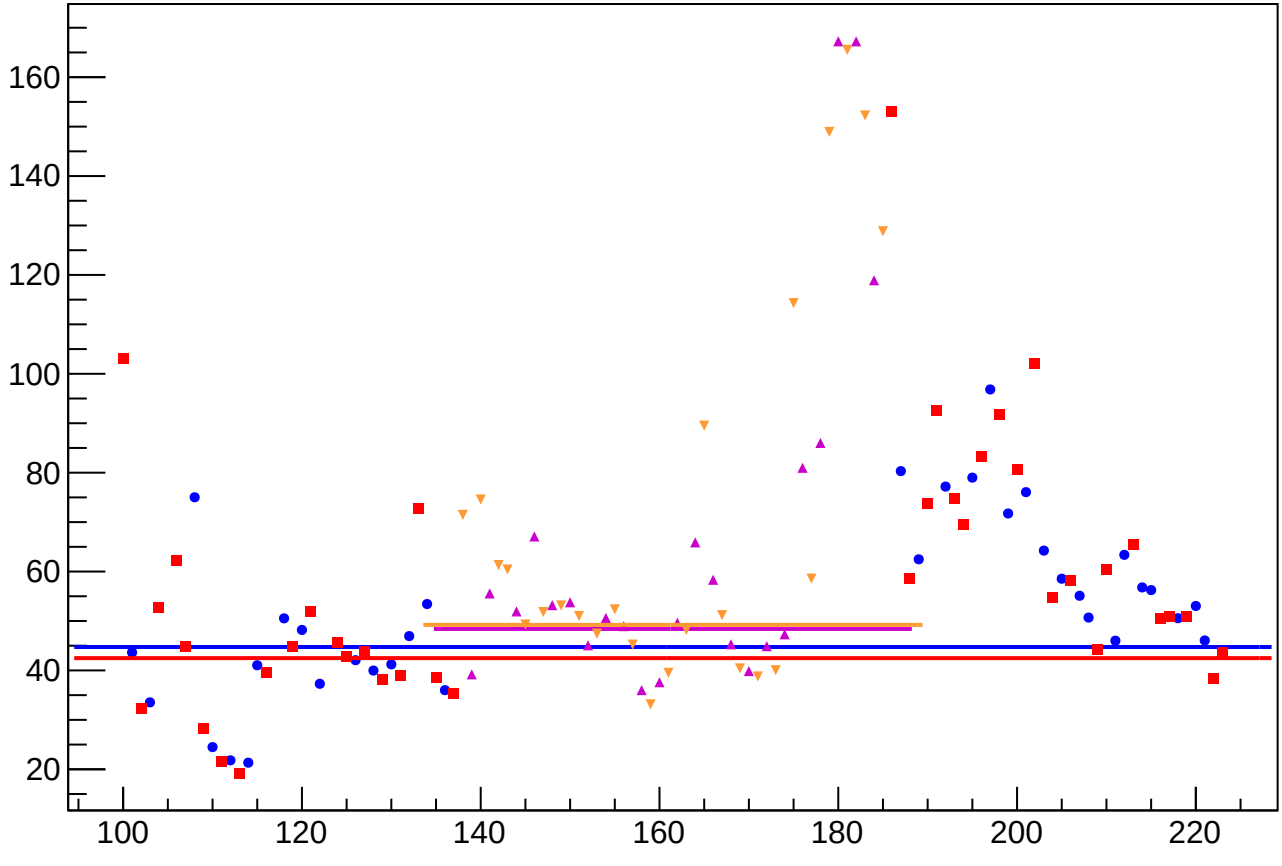
Right: 0.022+/-0.007 χ^2/NDF: 258.4/72

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.027+/-0.008 χ^2/NDF:234.2/63

All: 0.014+/-0.006 χ^2/NDF: 318.2/120

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

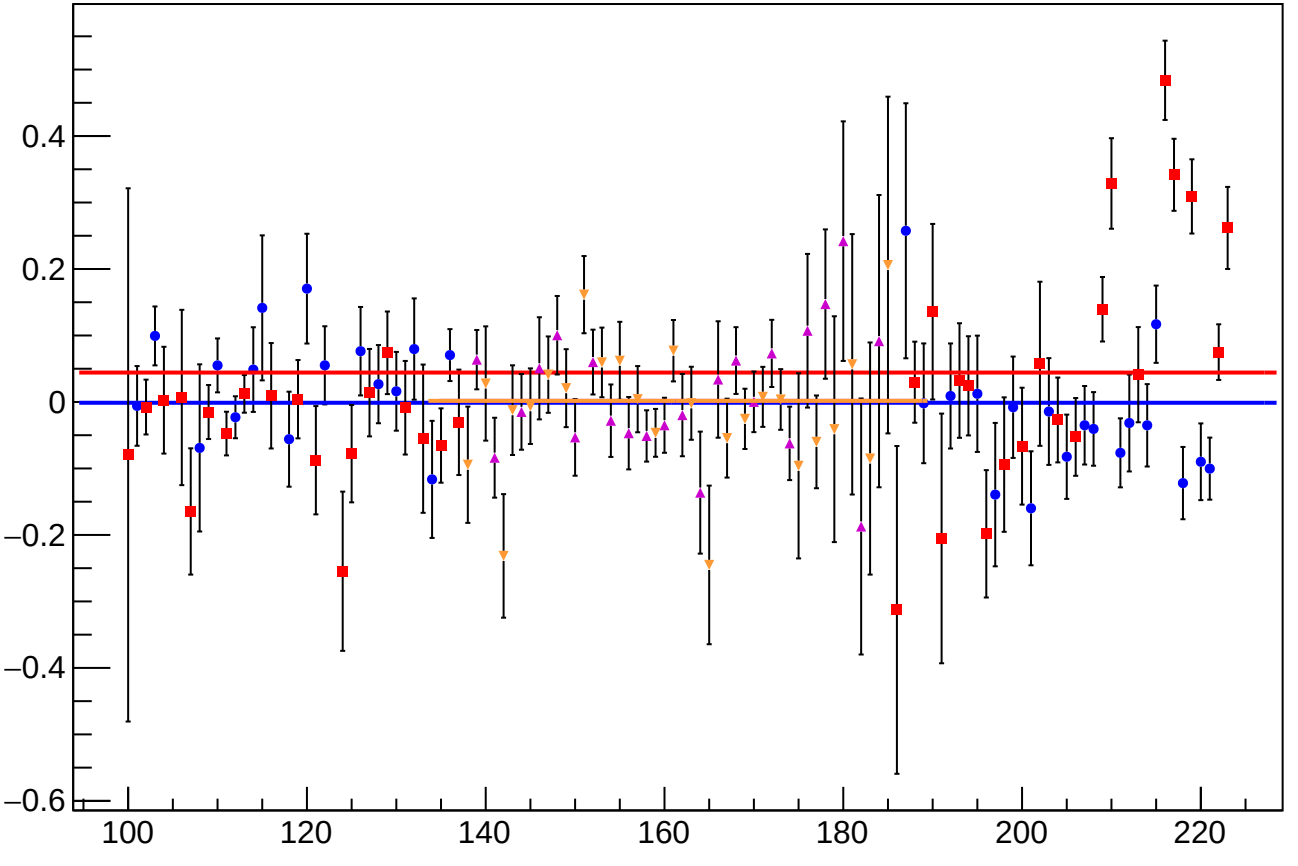
Right: 43.566+/-0.005 χ^2/NDF: 11363952.5/72

In: 46.249+/-0.006 χ^2/NDF:7824694.5/56

Out: 45.160+/-0.005 χ^2/NDF:11158940.3/63

All: 45.690+/-0.004 χ^2/NDF: 19002869.6/120

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

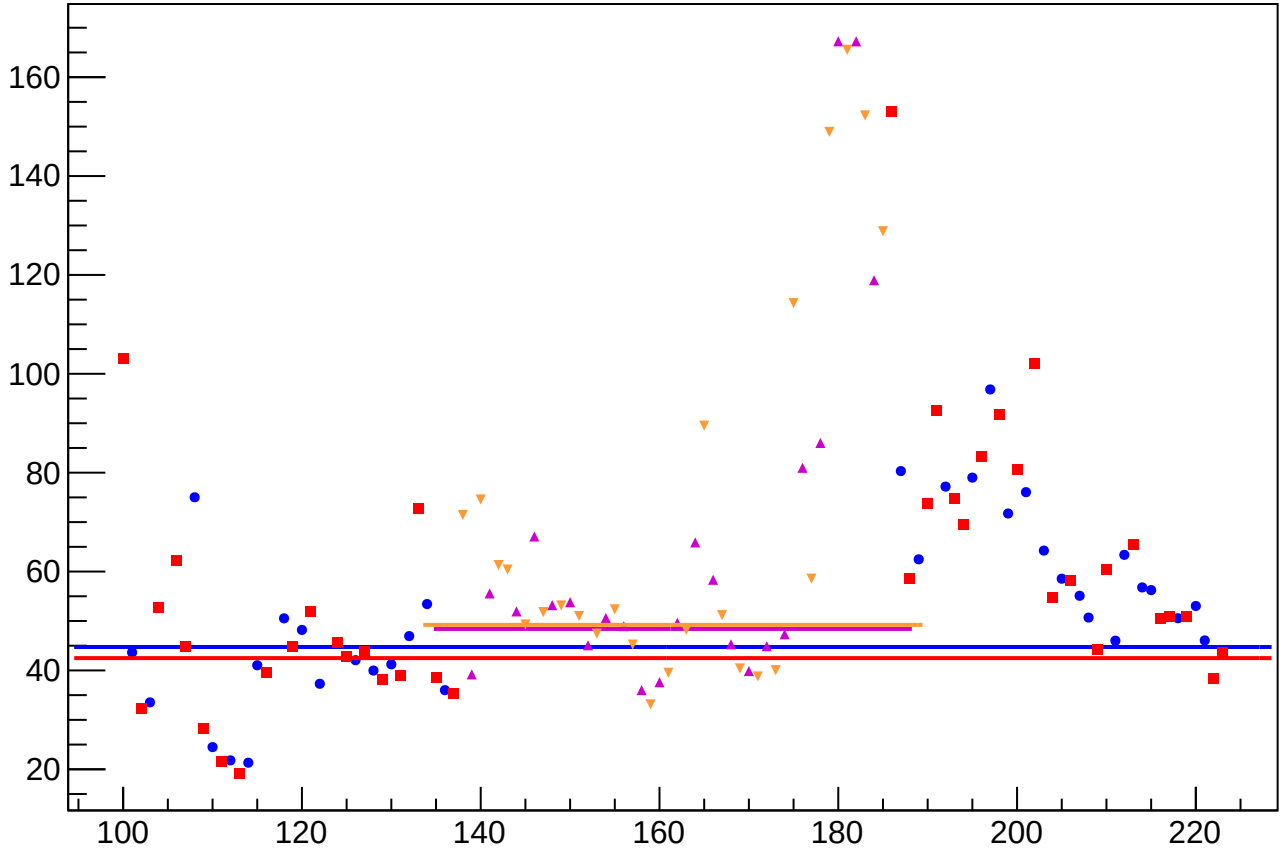
Right: 0.022+/-0.007 χ^2/NDF: 258.4/72

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.027+/-0.008 χ^2/NDF:234.2/63

All: 0.014+/-0.006 χ^2/NDF: 318.2/120

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

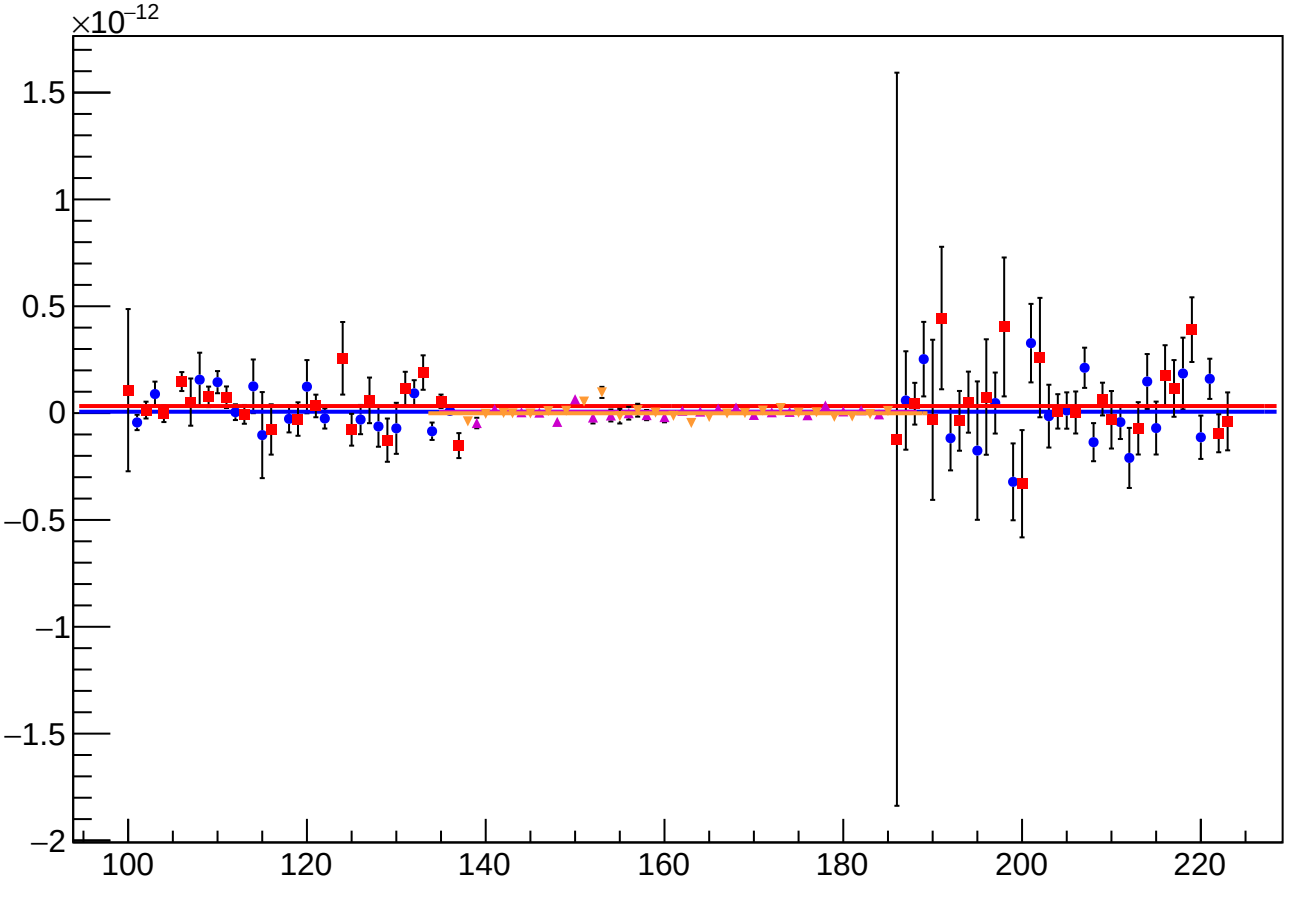
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.566+/-0.005 χ^2/NDF: 11363952.5/72

In: 46.249+/-0.006 χ^2/NDF:7824694.5/56

Out: 45.160+/-0.005 χ^2/NDF:11158940.3/63

All: 45.690+/-0.004 χ^2/NDF: 19002869.6/120



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

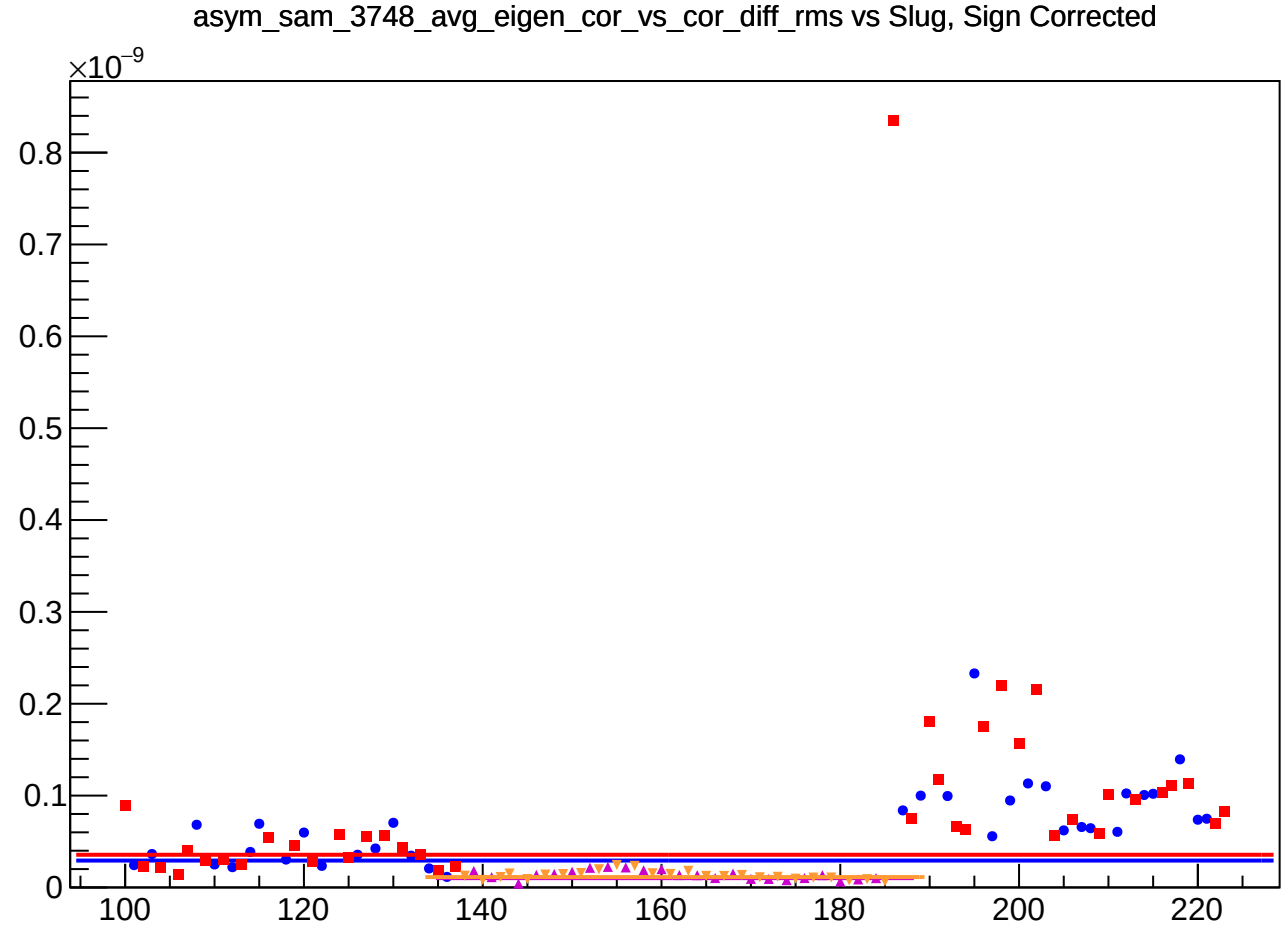
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

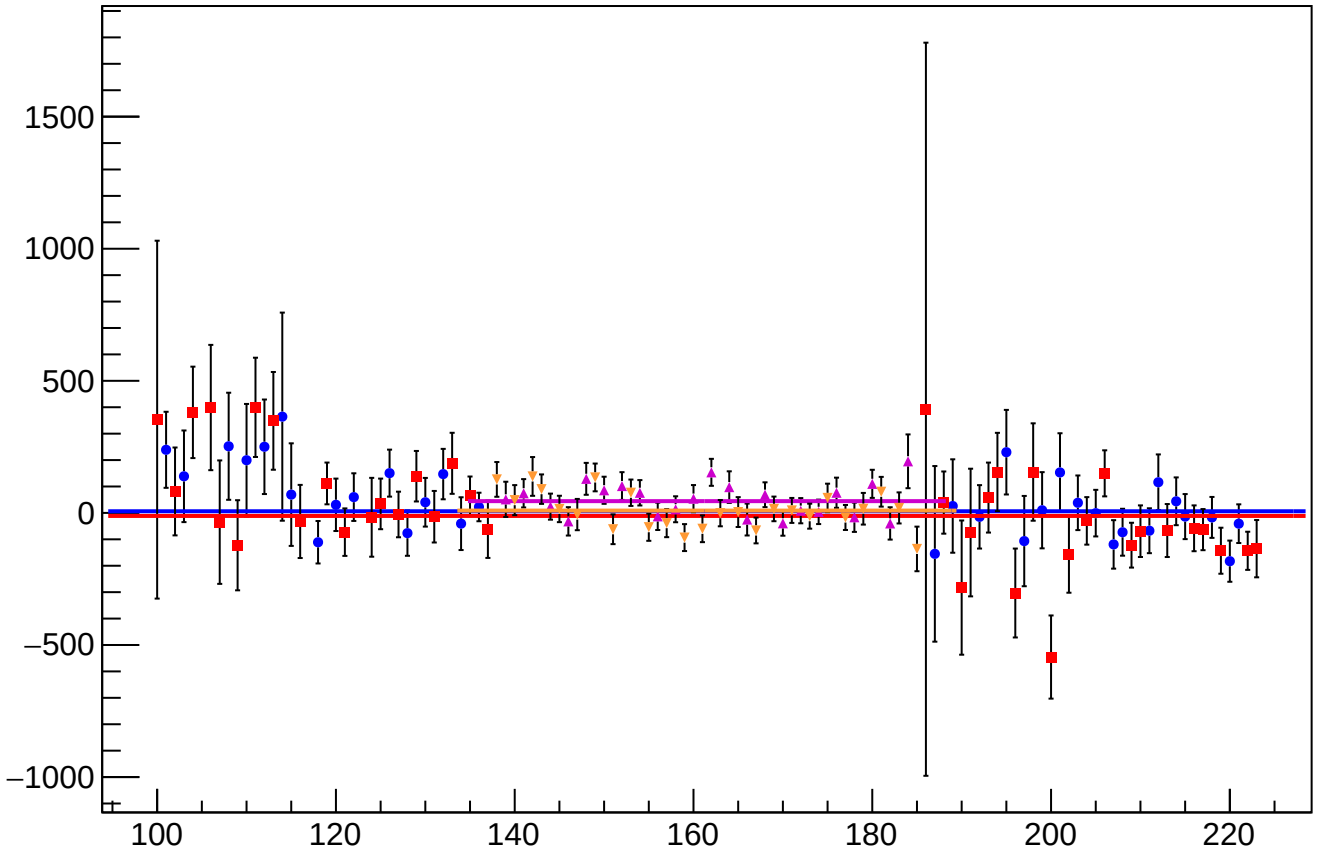
Right: 0.000+/-0.000 χ^2/NDF: 102.8/72

In: 0.000+/-0.000 χ^2/NDF:78.4/56

Out: 0.000+/-0.000 χ^2/NDF:94.5/63

All: 0.000+/-0.000 χ^2/NDF: 173.6/120


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×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
Left: 0.000+/-0.000 χ²/NDF: 6357070.7/47
Right: 0.000+/-0.000 χ²/NDF: 20992677.7/72
In: 0.000+/-0.000 χ²/NDF:20895257.3/56
Out: 0.000+/-0.000 χ²/NDF:19703505.4/63
All: 0.000+/-0.000 χ²/NDF: 40767511.0/120



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

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

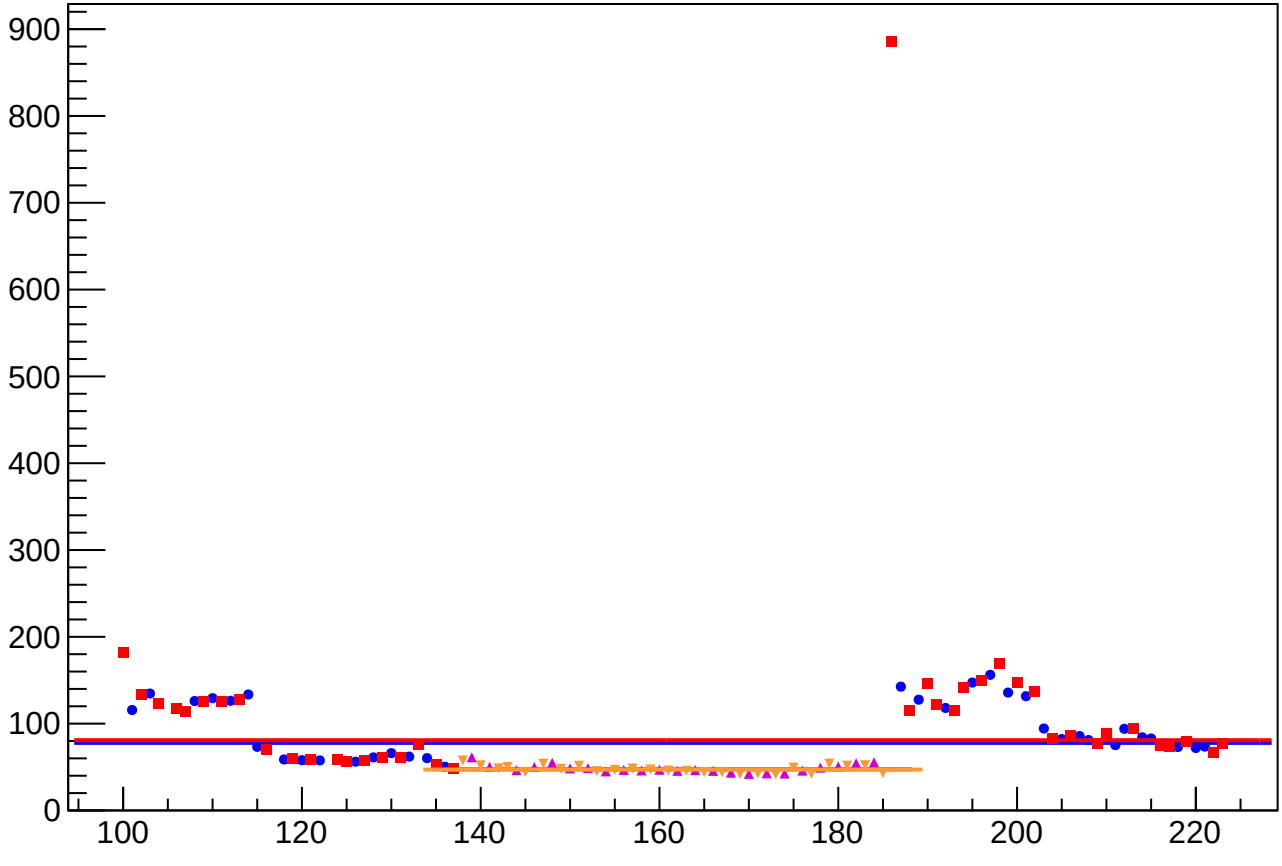
Right: -2.335+/-12.595 χ^2/NDF: 92.8/72

In: 33.507+/-9.407 χ^2/NDF:62.3/56

Out: 3.467+/-9.257 χ^2/NDF:95.9/63

All: 18.246+/-6.598 χ^2/NDF: 163.4/120

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

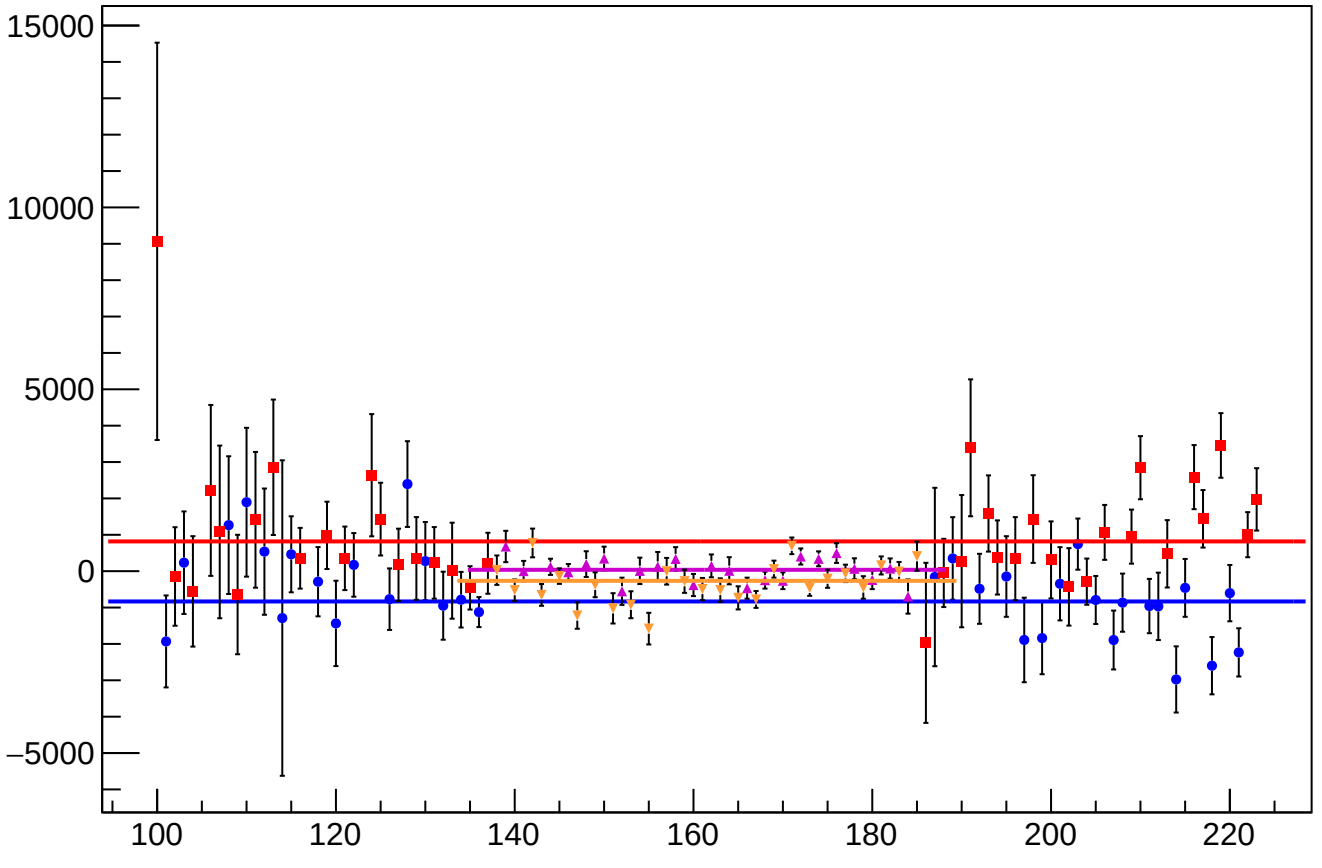
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.334+/-0.009 χ^2/NDF: 9117818.0/72

In: 56.164+/-0.007 χ^2/NDF:8510730.5/56

Out: 55.903+/-0.007 χ^2/NDF:10600766.1/63

All: 56.031+/-0.005 χ^2/NDF: 19112282.7/120



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

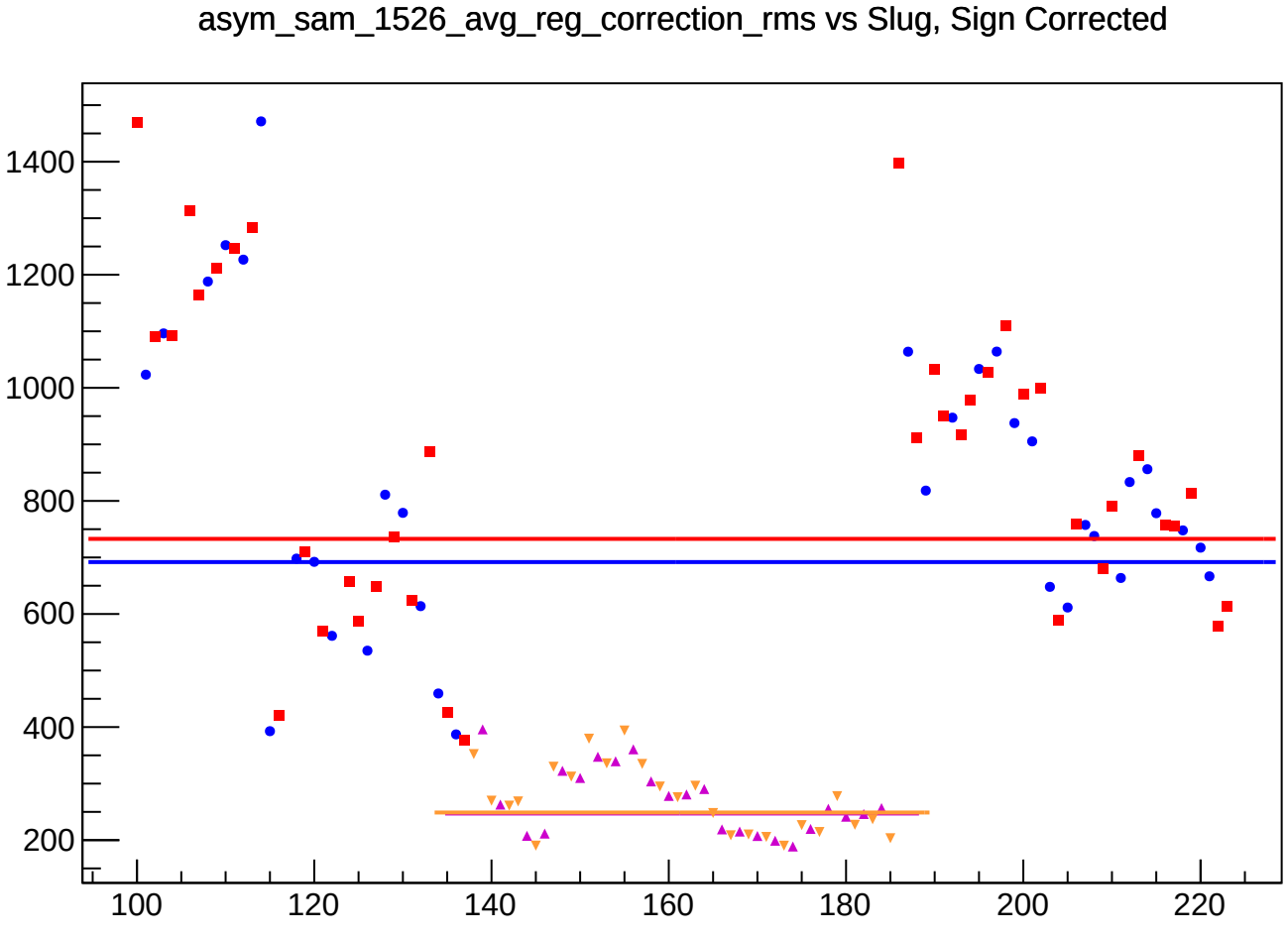
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -39.995+/-111.112 χ^2/NDF: 144.5/72

In: -74.224+/-55.230 χ^2/NDF:97.8/56

Out: -140.177+/-54.567 χ^2/NDF:156.2/63

All: -107.598+/-38.817 χ^2/NDF: 254.7/120



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

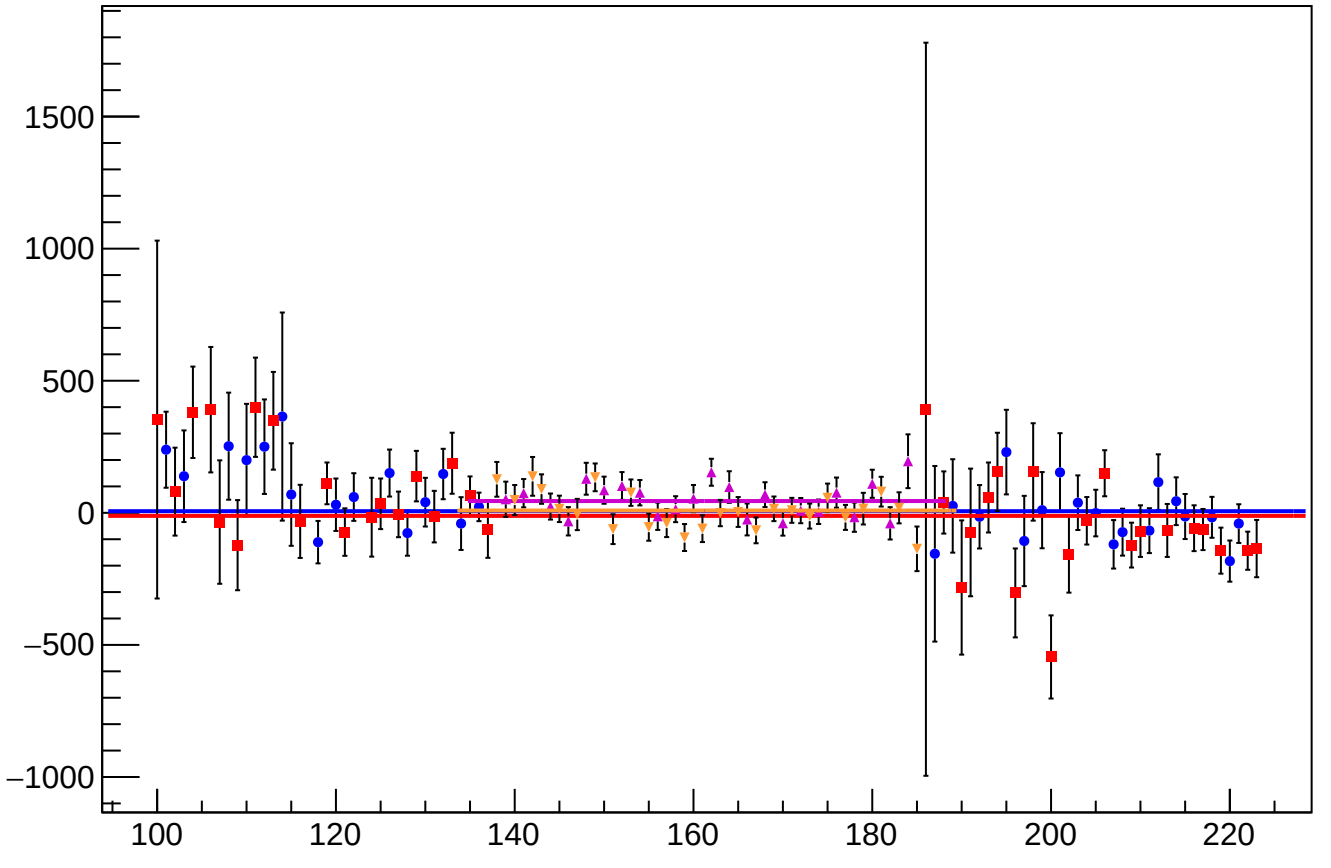
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 711.548+/-0.079 χ^2/NDF: 7314310.2/72

In: 304.228+/-0.039 χ^2/NDF:19478993.1/56

Out: 304.942+/-0.039 χ^2/NDF:21542969.5/63

All: 304.589+/-0.027 χ^2/NDF: 41022131.8/12



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

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

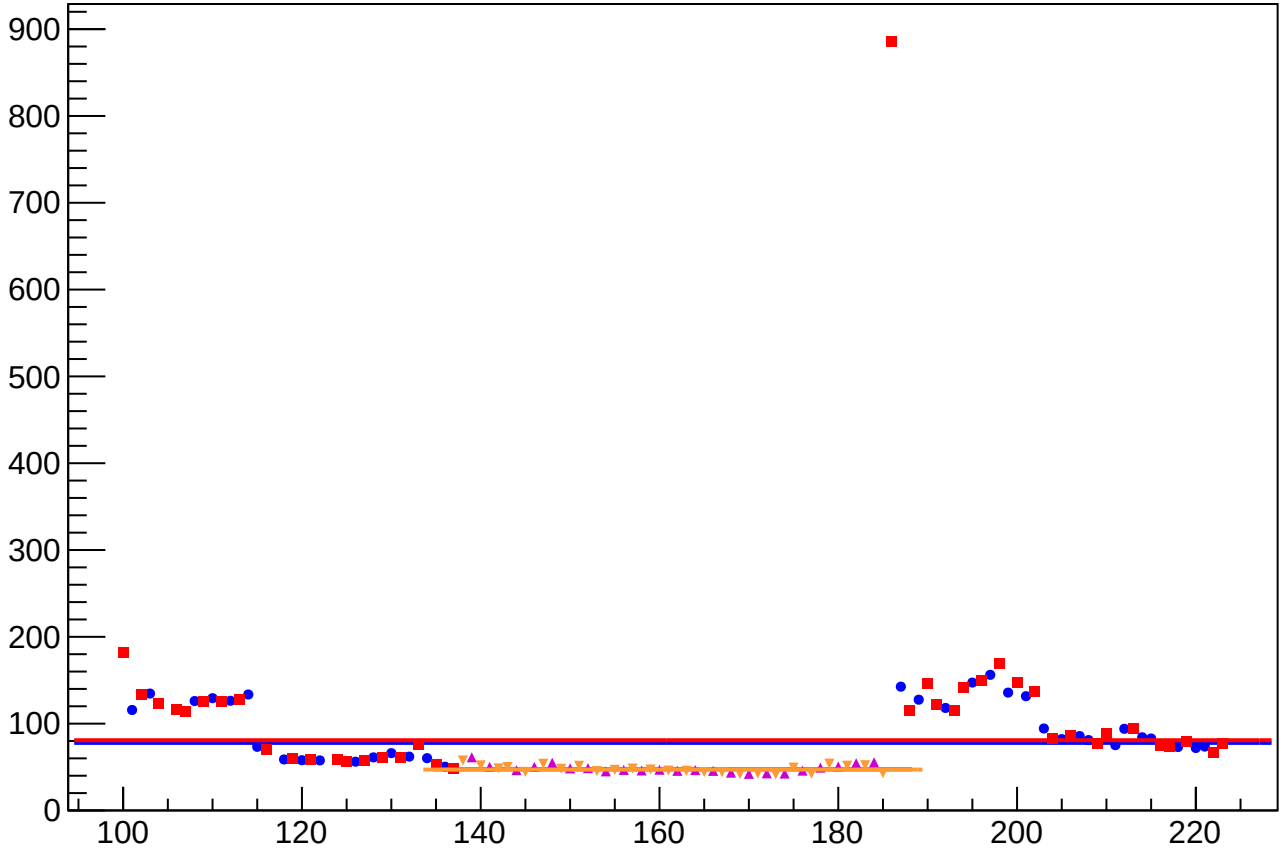
Right: -2.371+/-12.595 χ^2/NDF: 92.7/72

In: 33.504+/-9.407 χ^2/NDF:62.3/56

Out: 3.450+/-9.257 χ^2/NDF:95.8/63

All: 18.237+/-6.598 χ^2/NDF: 163.3/120

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

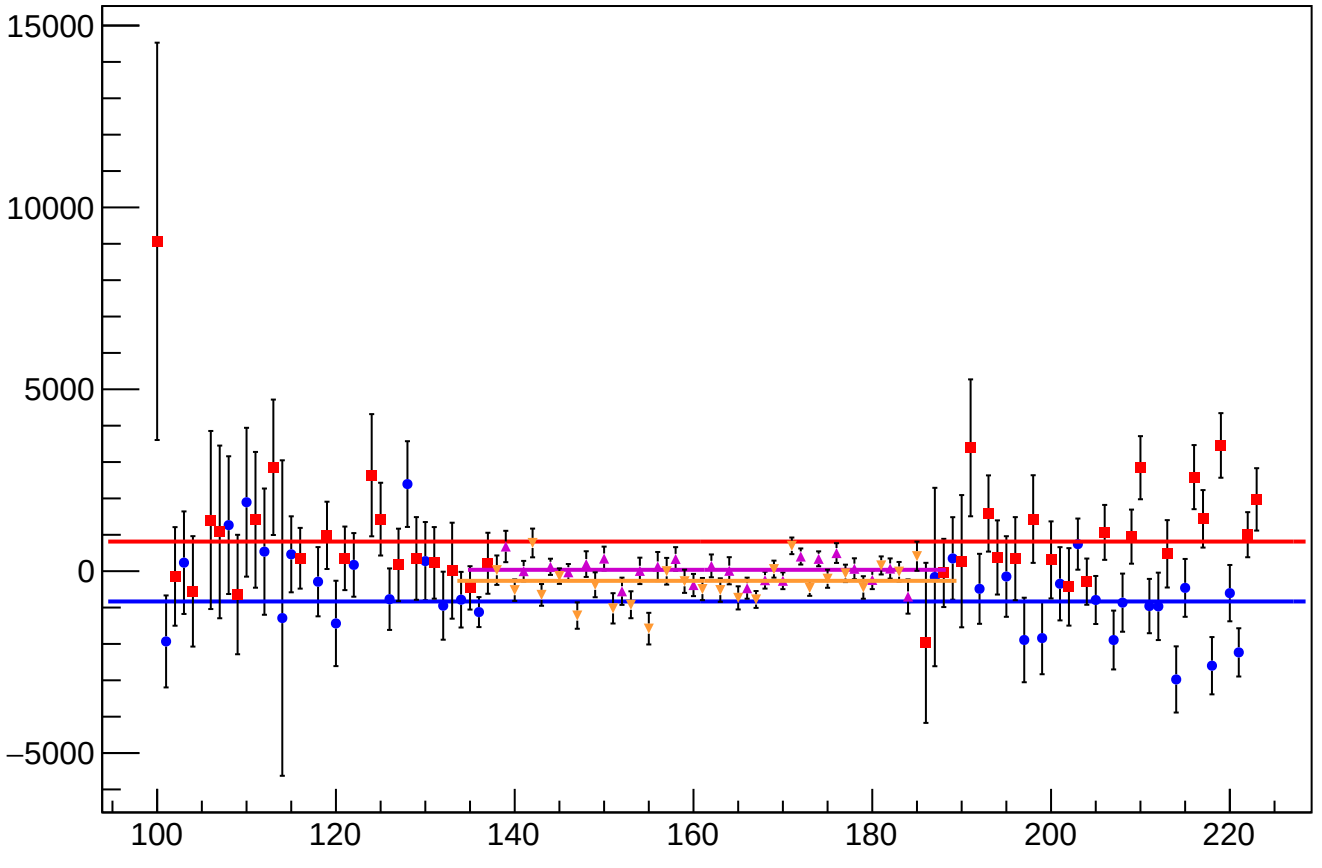
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.331+/-0.009 χ^2/NDF: 9115311.7/72

In: 56.164+/-0.007 χ^2/NDF:8510732.6/56

Out: 55.901+/-0.007 χ^2/NDF:10596381.5/63

All: 56.030+/-0.005 χ^2/NDF: 19107911.1/120



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

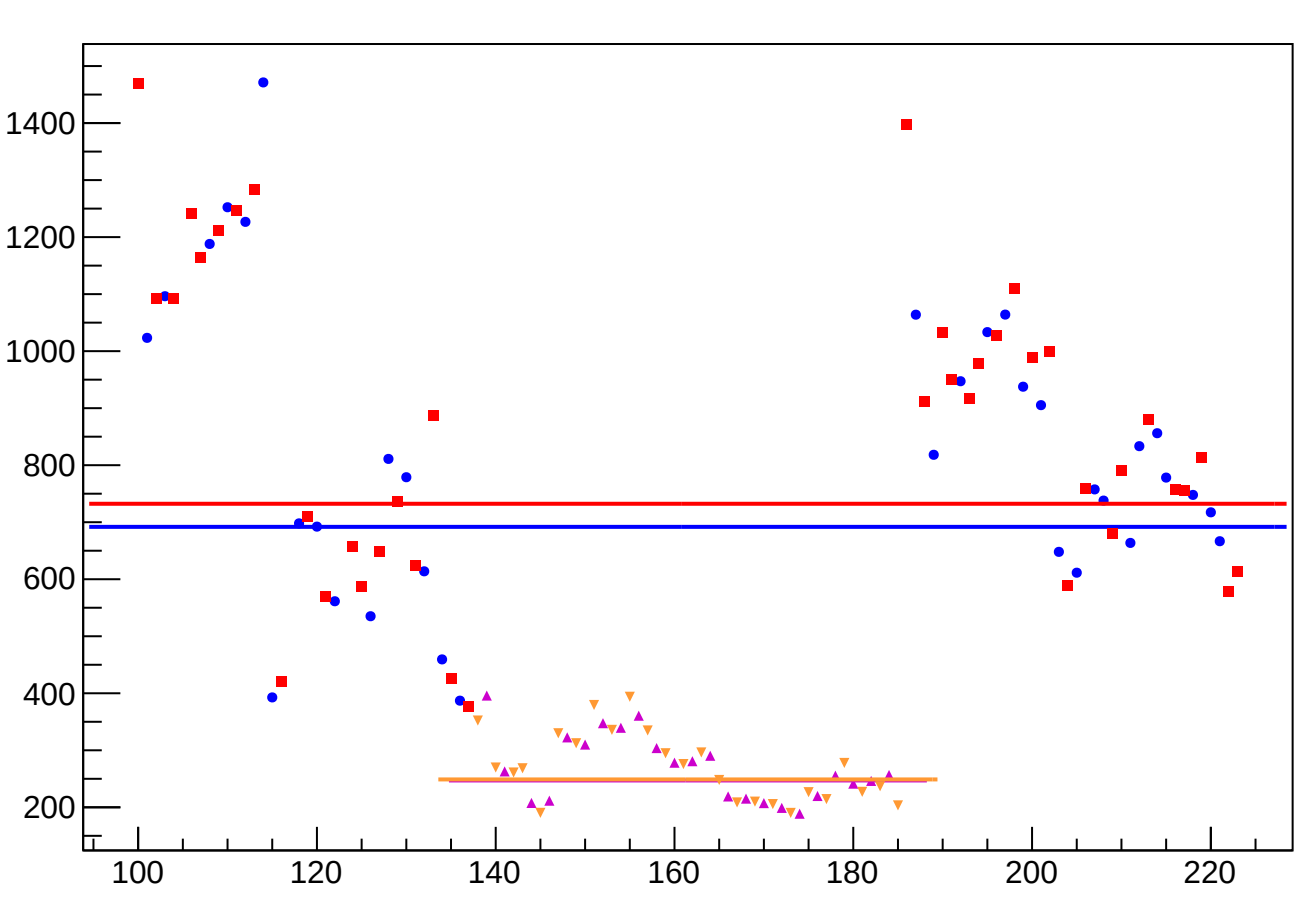
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -42.049+/-111.122 χ^2/NDF: 143.9/72

In: -74.226+/-55.230 χ^2/NDF:97.8/56

Out: -140.674+/-54.569 χ^2/NDF:155.6/63

All: -107.850+/-38.818 χ^2/NDF: 254.1/120



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

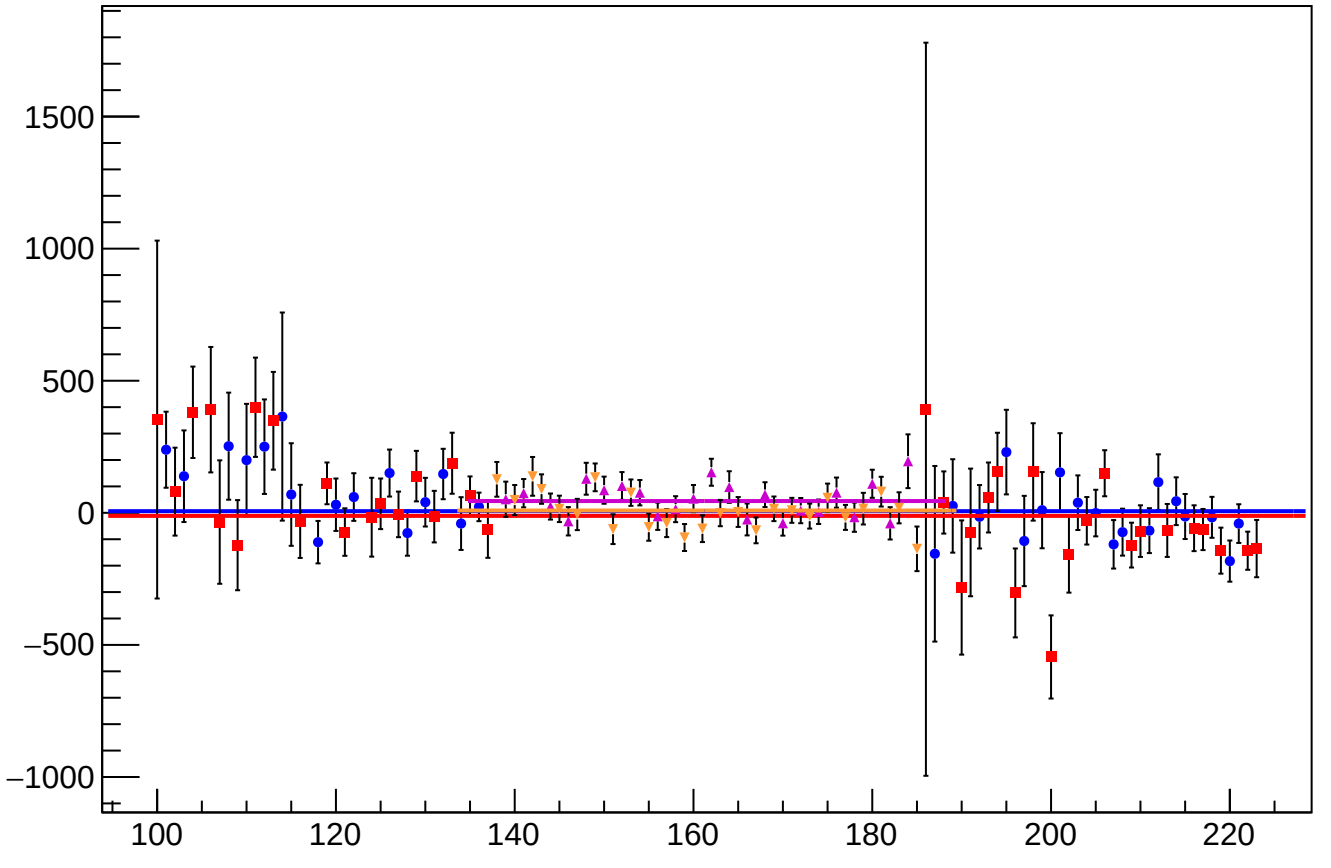
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 711.295+/-0.079 χ^2/NDF: 7277284.3/72

In: 304.228+/-0.039 χ^2/NDF:19479007.4/56

Out: 304.863+/-0.039 χ^2/NDF:21467714.7/63

All: 304.549+/-0.027 χ^2/NDF: 40946855.7/12



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

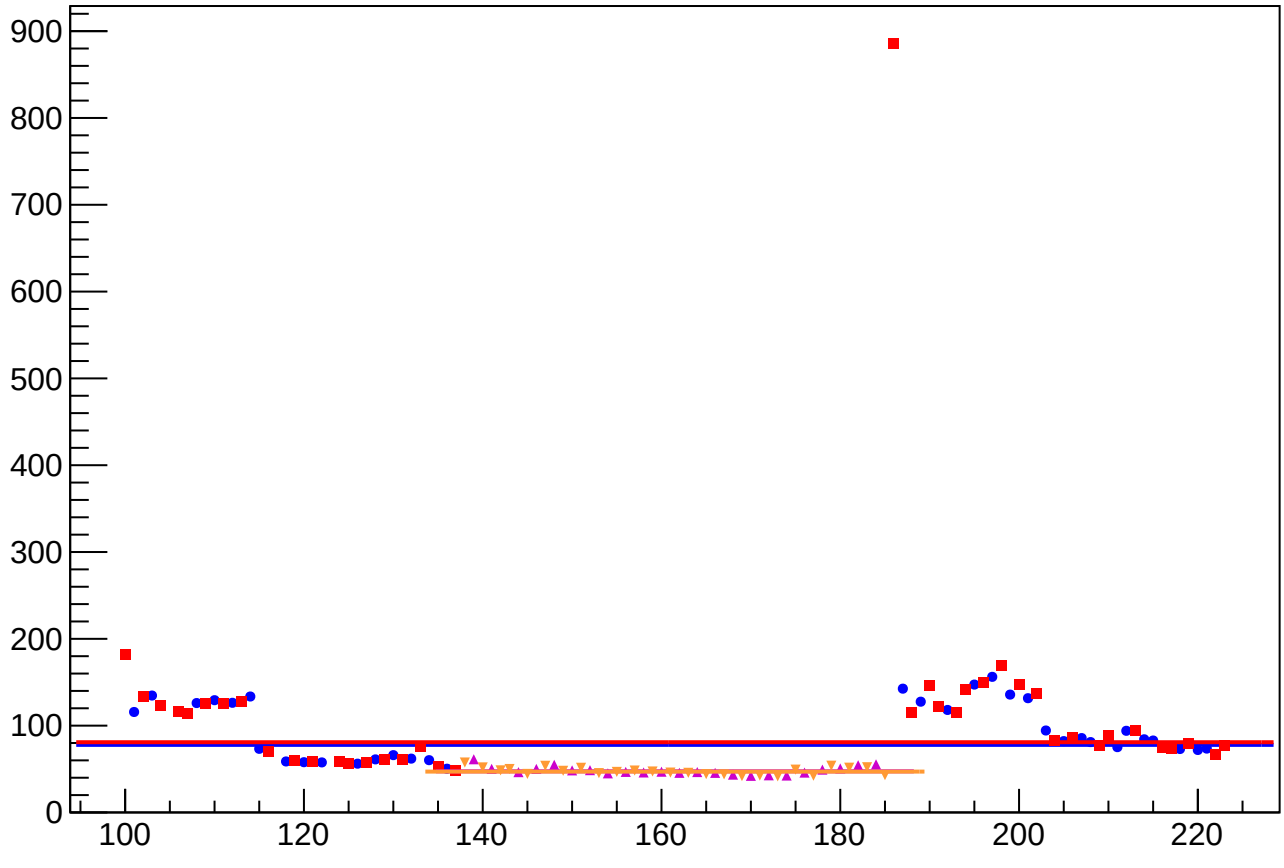
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: -2.371+/-12.595 χ^2/NDF: 92.7/72

In: 33.504+/-9.407 χ^2/NDF:62.3/56

Out: 3.450+/-9.257 χ^2/NDF:95.8/63

All: 18.237+/-6.598 χ^2/NDF: 163.3/120



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

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

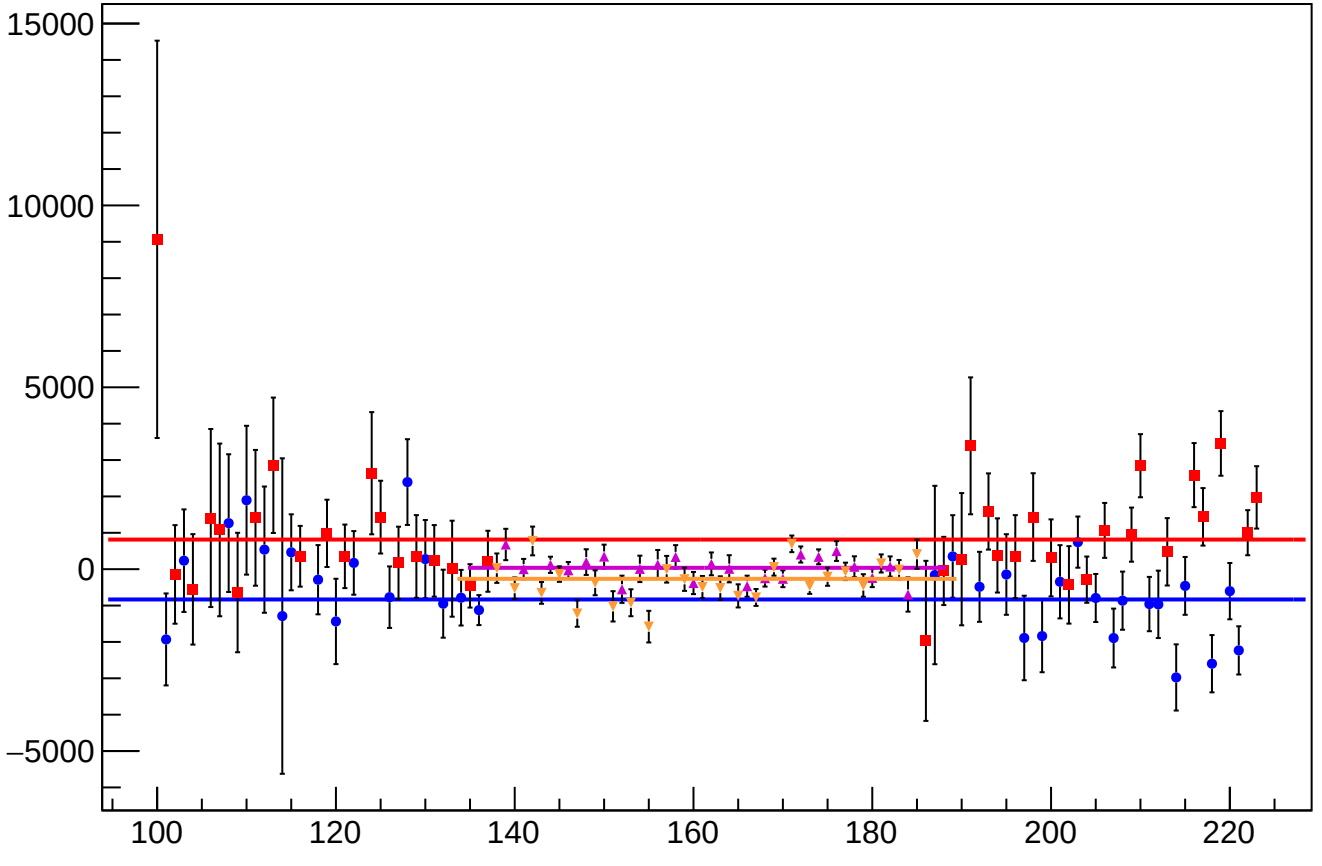
Right: 79.331+/-0.009 χ^2/NDF: 9115311.7/72

In: 56.164+/-0.007 χ^2/NDF:8510732.6/56

Out: 55.901+/-0.007 χ^2/NDF:10596381.5/63

All: 56.030+/-0.005 χ^2/NDF: 19107911.1/120

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

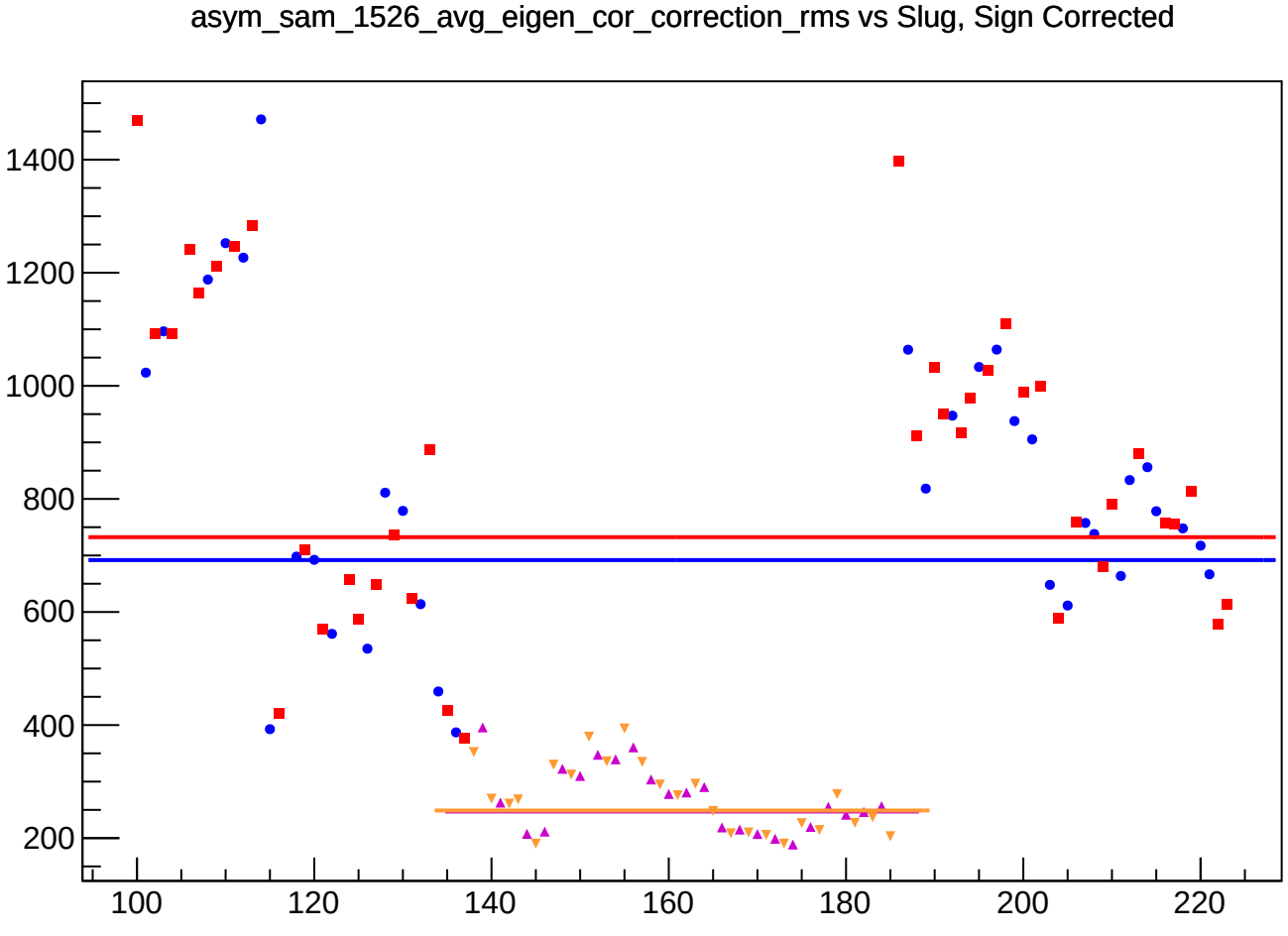
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -42.049+/-111.122 χ^2/NDF: 143.9/72

In: -74.226+/-55.230 χ^2/NDF:97.8/56

Out: -140.674+/-54.569 χ^2/NDF:155.6/63

All: -107.850+/-38.818 χ^2/NDF: 254.1/120



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

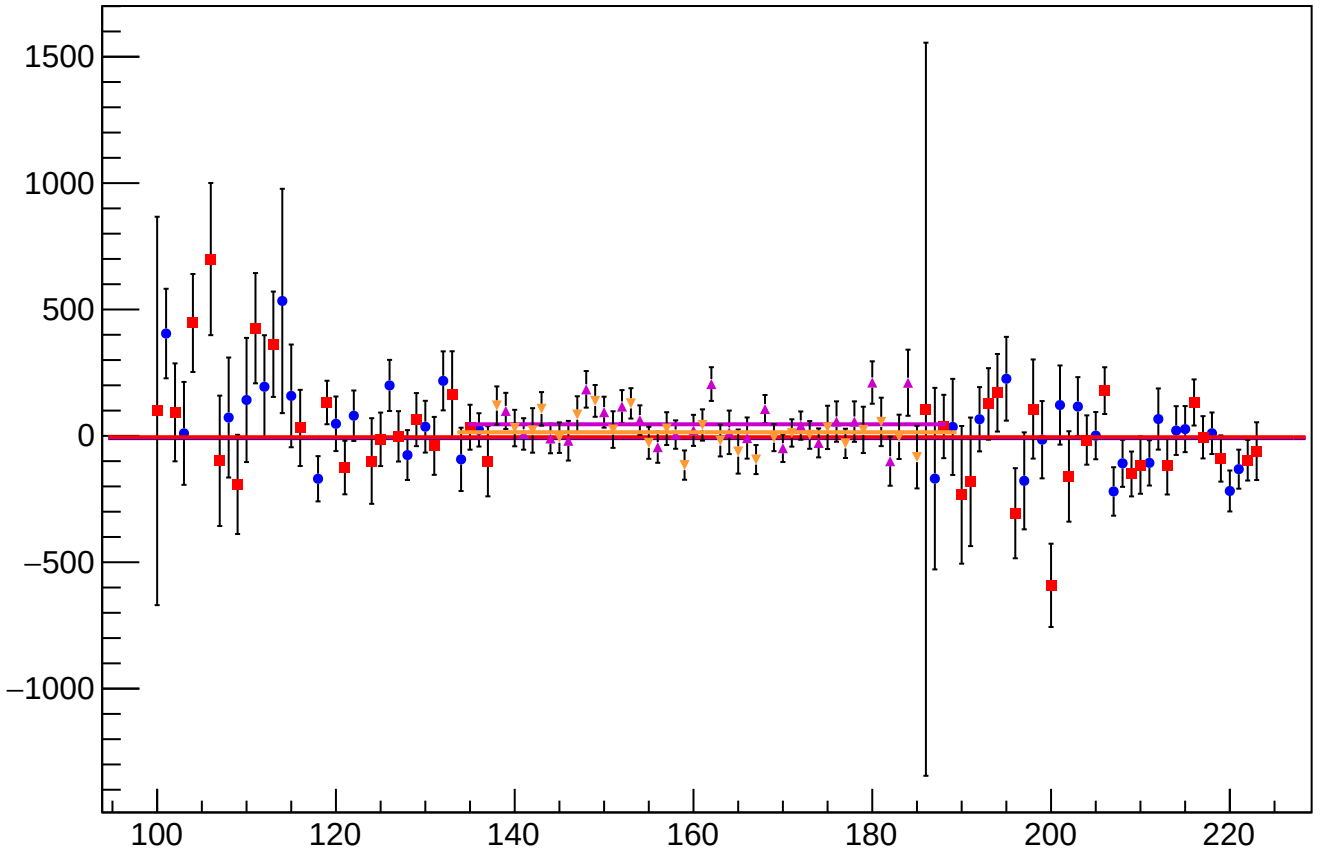
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 711.295+/-0.079 χ^2/NDF: 7277284.3/72

In: 304.228+/-0.039 χ^2/NDF:19479007.4/56

Out: 304.863+/-0.039 χ^2/NDF:21467714.7/63

All: 304.549+/-0.027 χ^2/NDF: 40946855.7/12



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

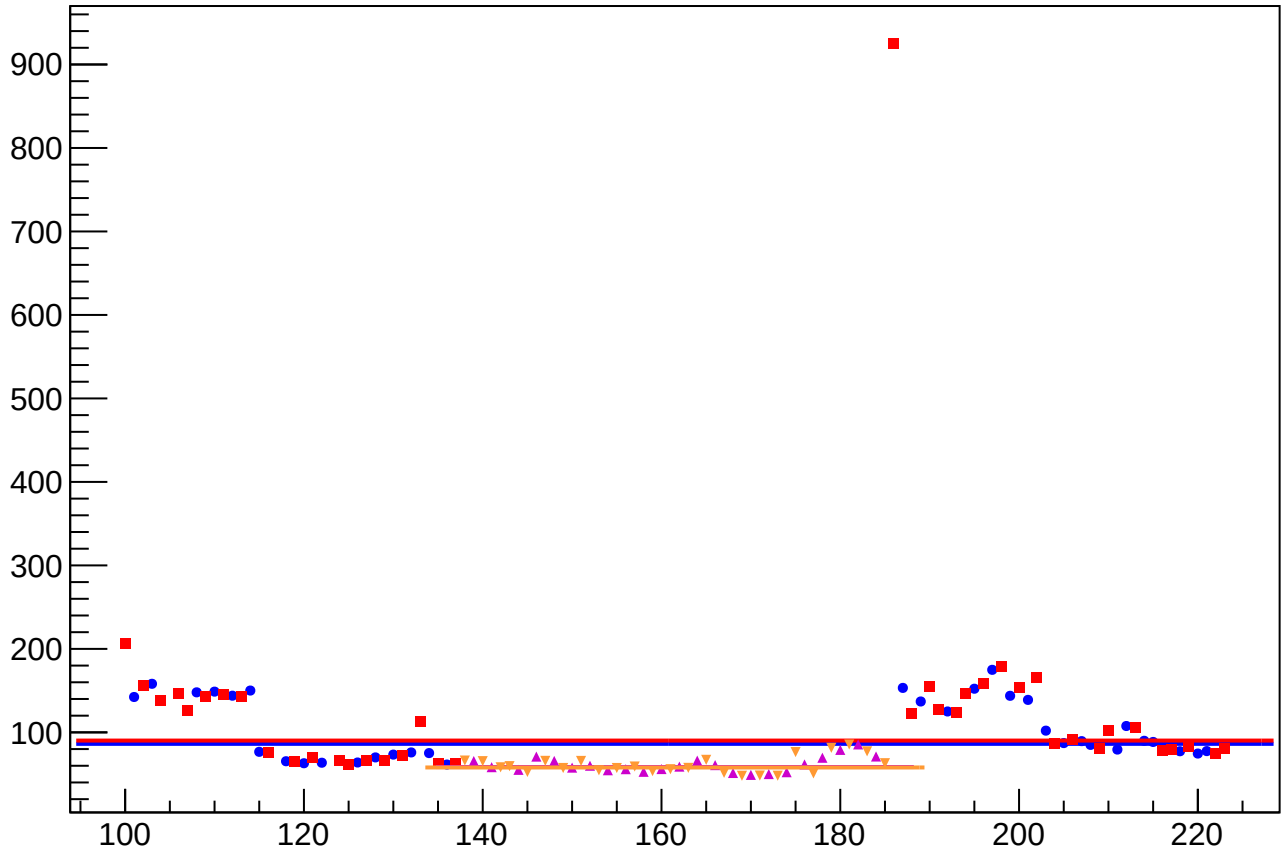
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: -7.206+/-13.979 χ^2/NDF: 104.1/72

In: 27.150+/-11.311 χ^2/NDF:81.1/56

Out: 8.402+/-11.196 χ^2/NDF:84.1/63

All: 17.680+/-7.957 χ^2/NDF: 166.6/120



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

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

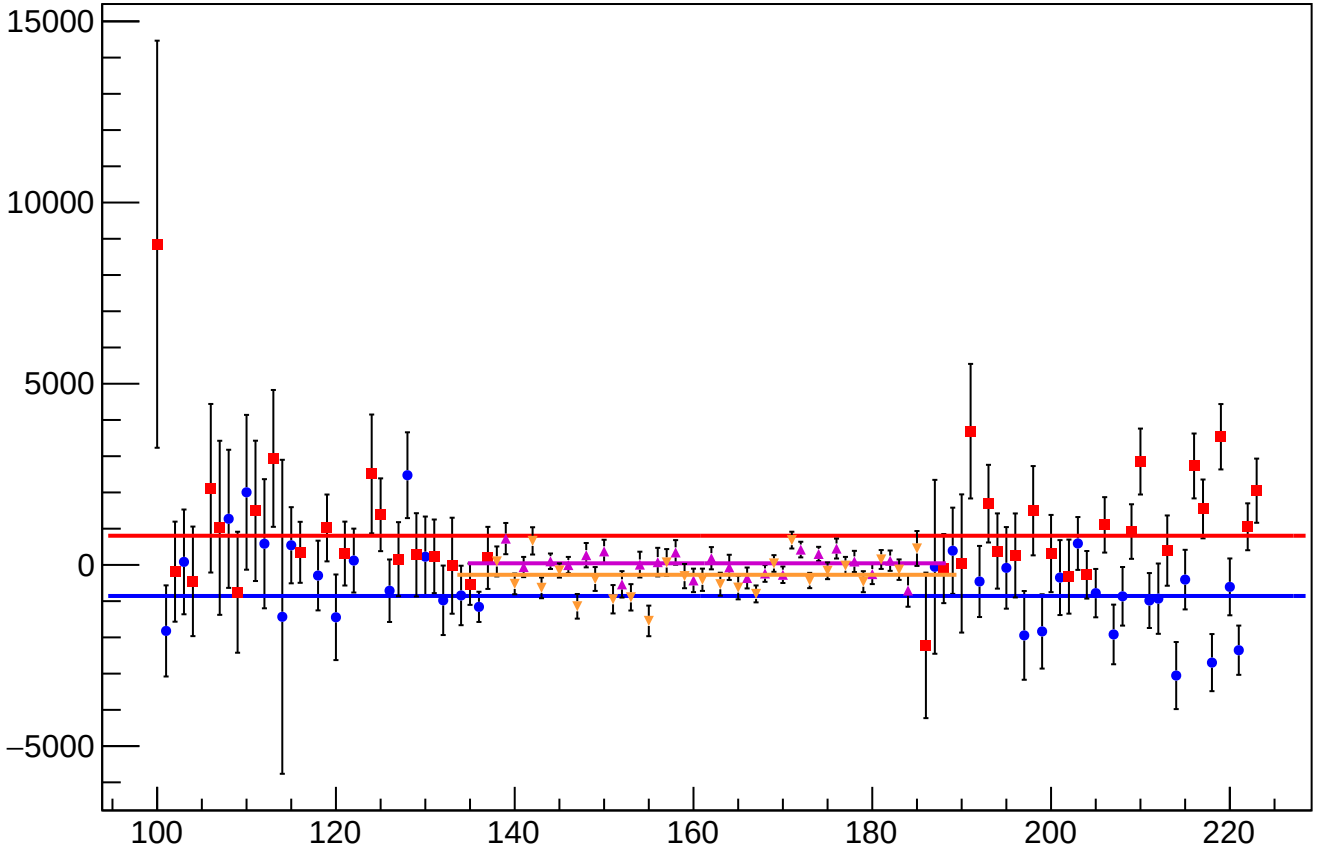
Right: 88.135+/-0.010 χ^2/NDF: 8478149.5/72

In: 67.943+/-0.008 χ^2/NDF:6939999.0/56

Out: 67.873+/-0.008 χ^2/NDF:9280339.8/63

All: 67.907+/-0.006 χ^2/NDF: 16220377.0/120

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



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

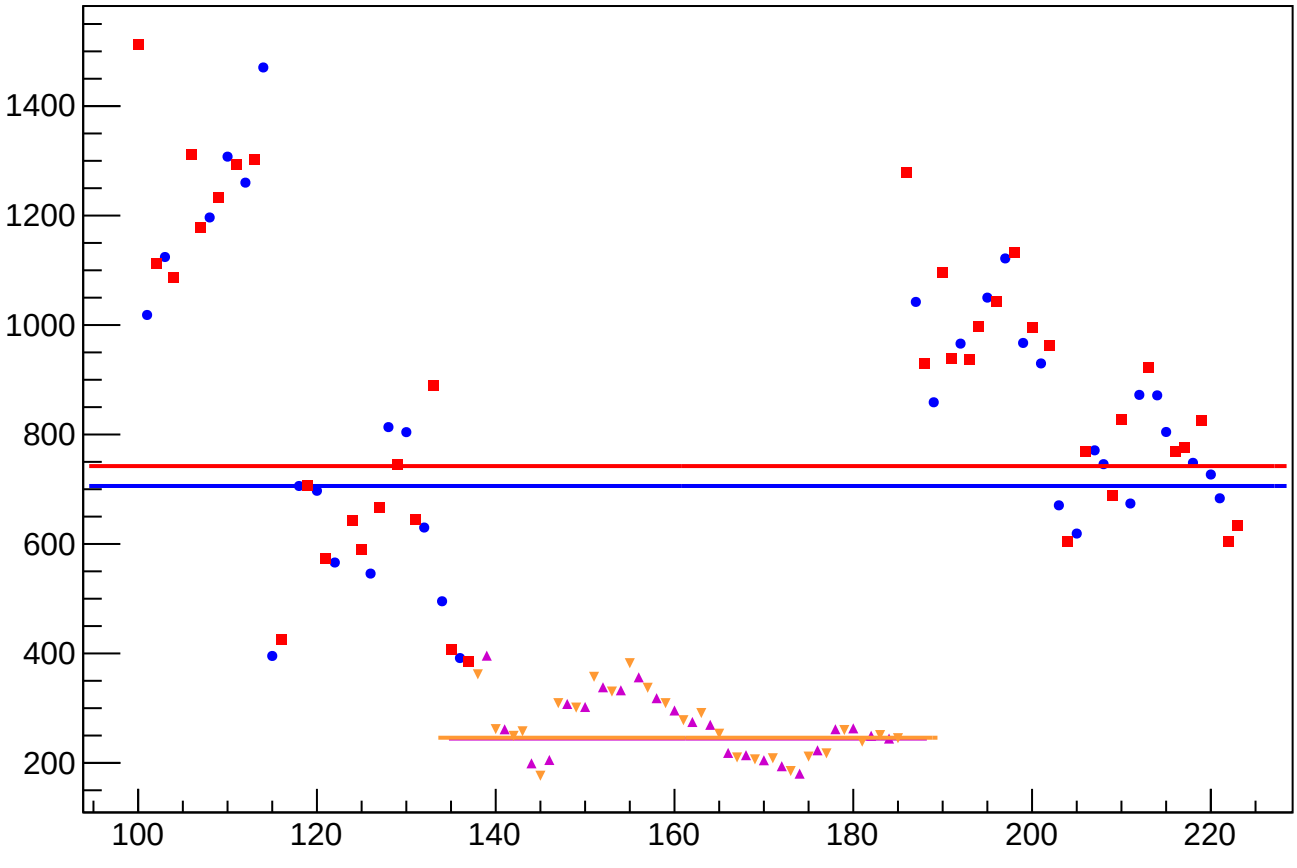
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -53.187+/-113.028 χ^2/NDF: 146.2/72

In: -65.384+/-54.925 χ^2/NDF:98.9/56

Out: -153.475+/-54.018 χ^2/NDF:153.5/63

All: -110.163+/-38.513 χ^2/NDF: 253.7/120



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

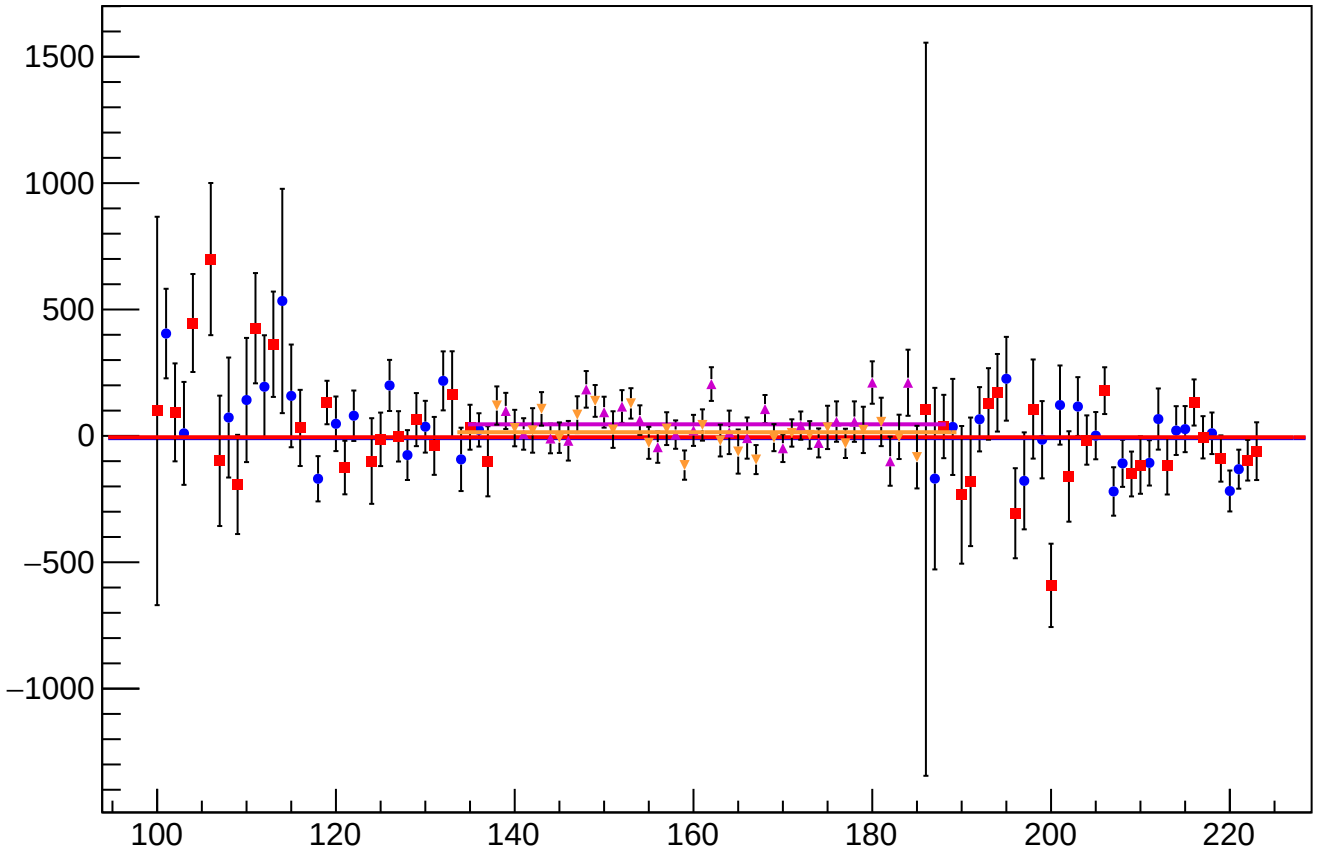
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 723.528+/-0.080 χ^2/NDF: 7429786.5/72

In: 300.718+/-0.039 χ^2/NDF:20235549.0/56

Out: 300.842+/-0.038 χ^2/NDF:22125812.6/63

All: 300.781+/-0.027 χ^2/NDF: 42361366.8/12



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

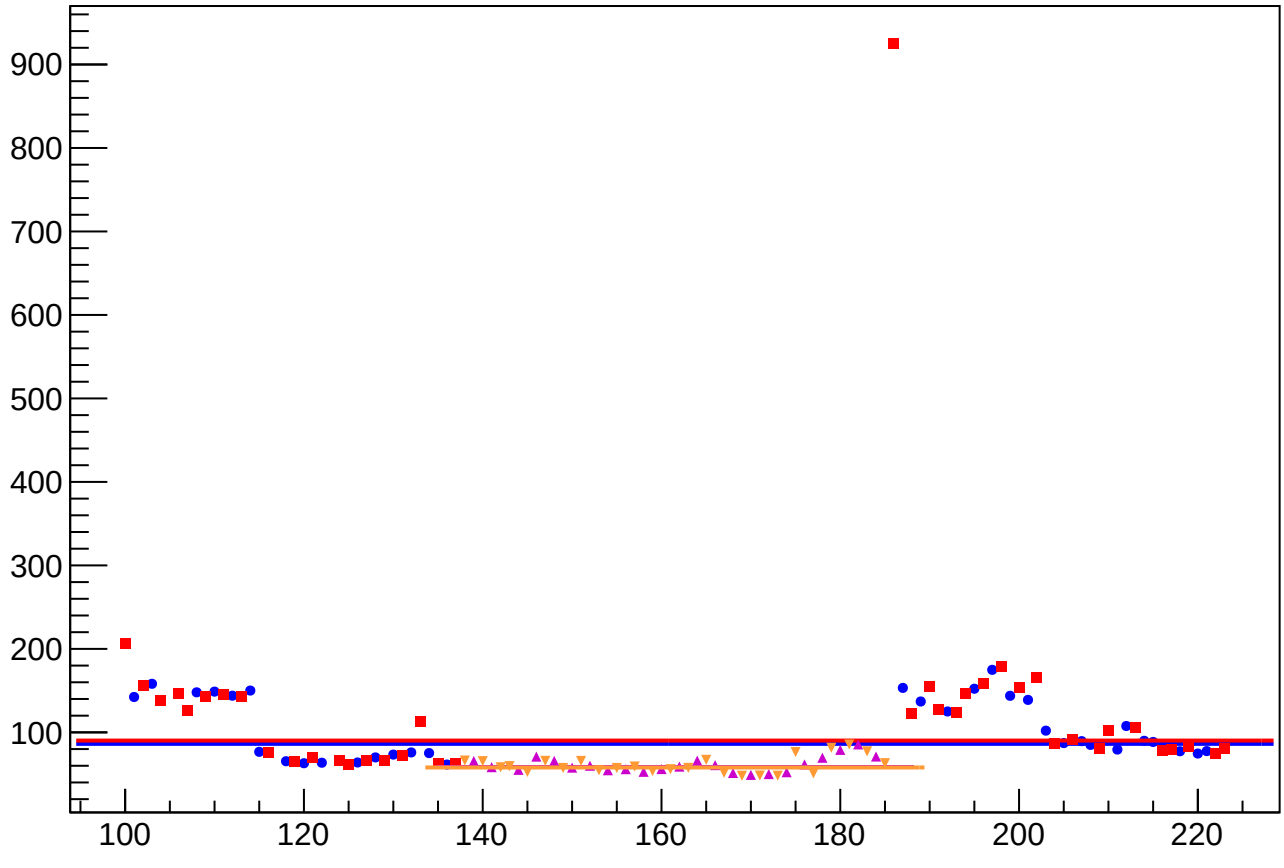
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: -7.205+/-13.979 χ^2/NDF: 104.1/72

In: 27.150+/-11.311 χ^2/NDF:81.1/56

Out: 8.401+/-11.196 χ^2/NDF:84.1/63

All: 17.680+/-7.957 χ^2/NDF: 166.6/120



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

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

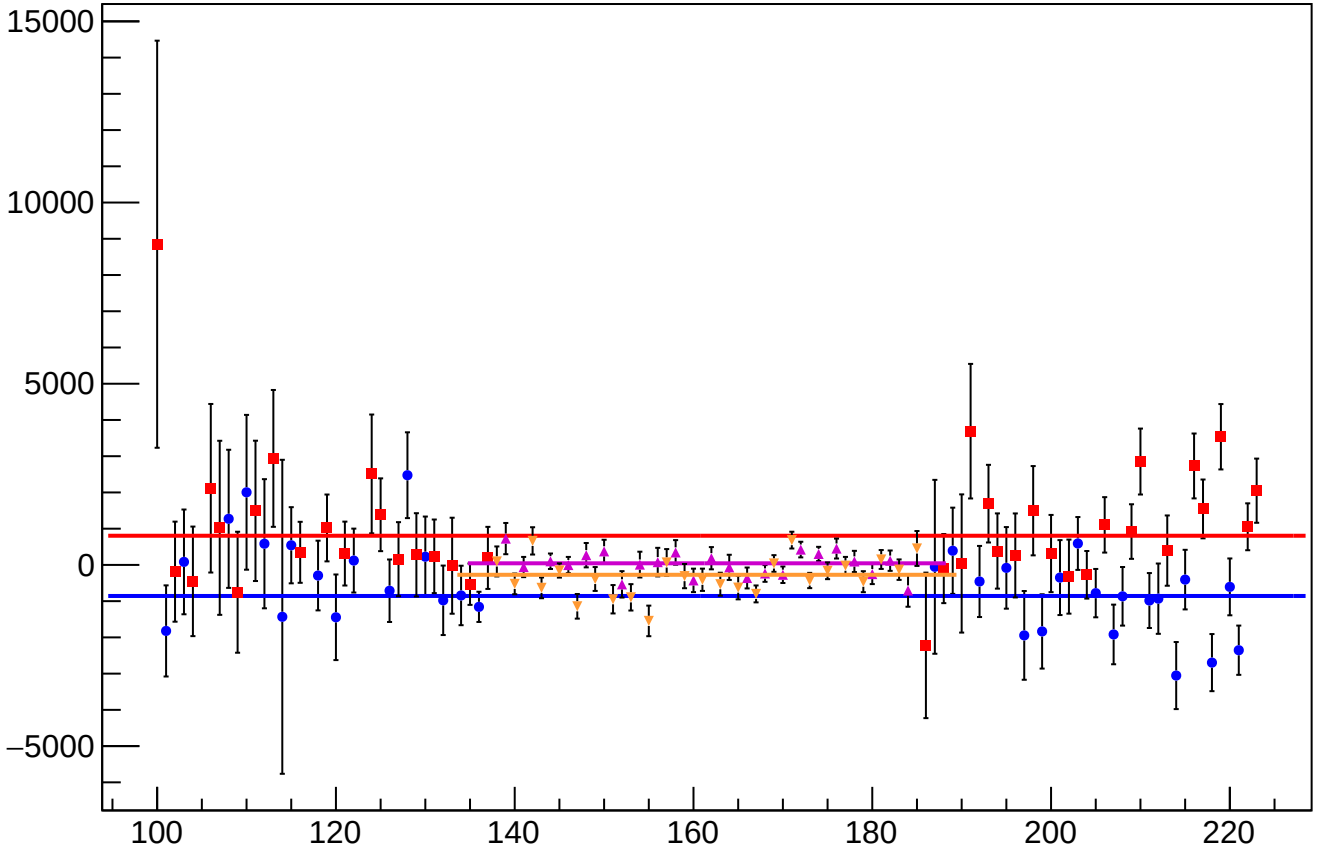
Right: 88.134+/-0.010 χ^2/NDF: 8478165.2/72

In: 67.943+/-0.008 χ^2/NDF:6939918.9/56

Out: 67.873+/-0.008 χ^2/NDF:9280292.2/63

All: 67.907+/-0.006 χ^2/NDF: 16220249.3/120

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

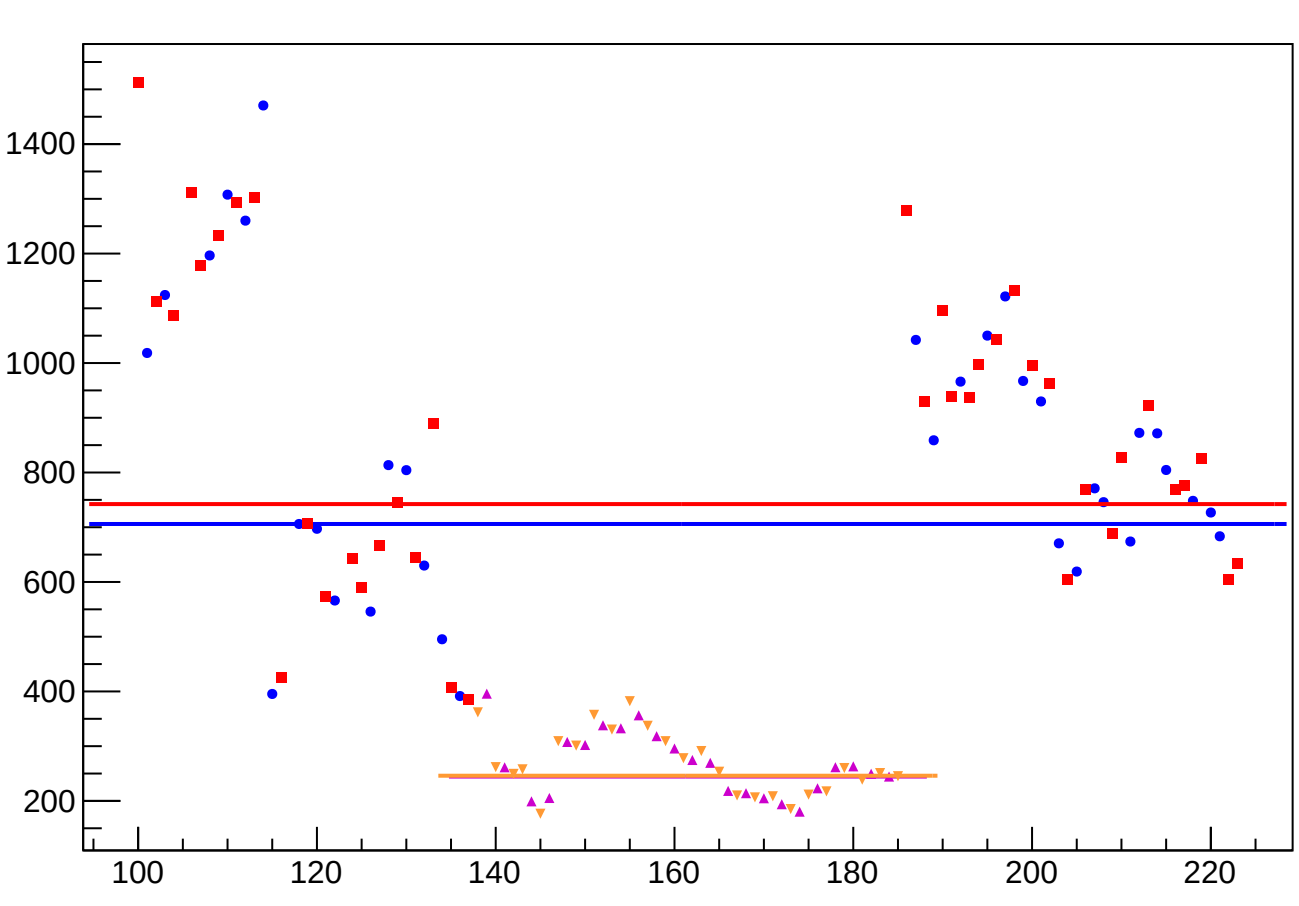
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -53.187+/-113.028 χ^2/NDF: 146.2/72

In: -65.384+/-54.925 χ^2/NDF:98.9/56

Out: -153.474+/-54.018 χ^2/NDF:153.5/63

All: -110.162+/-38.513 χ^2/NDF: 253.7/120



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

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

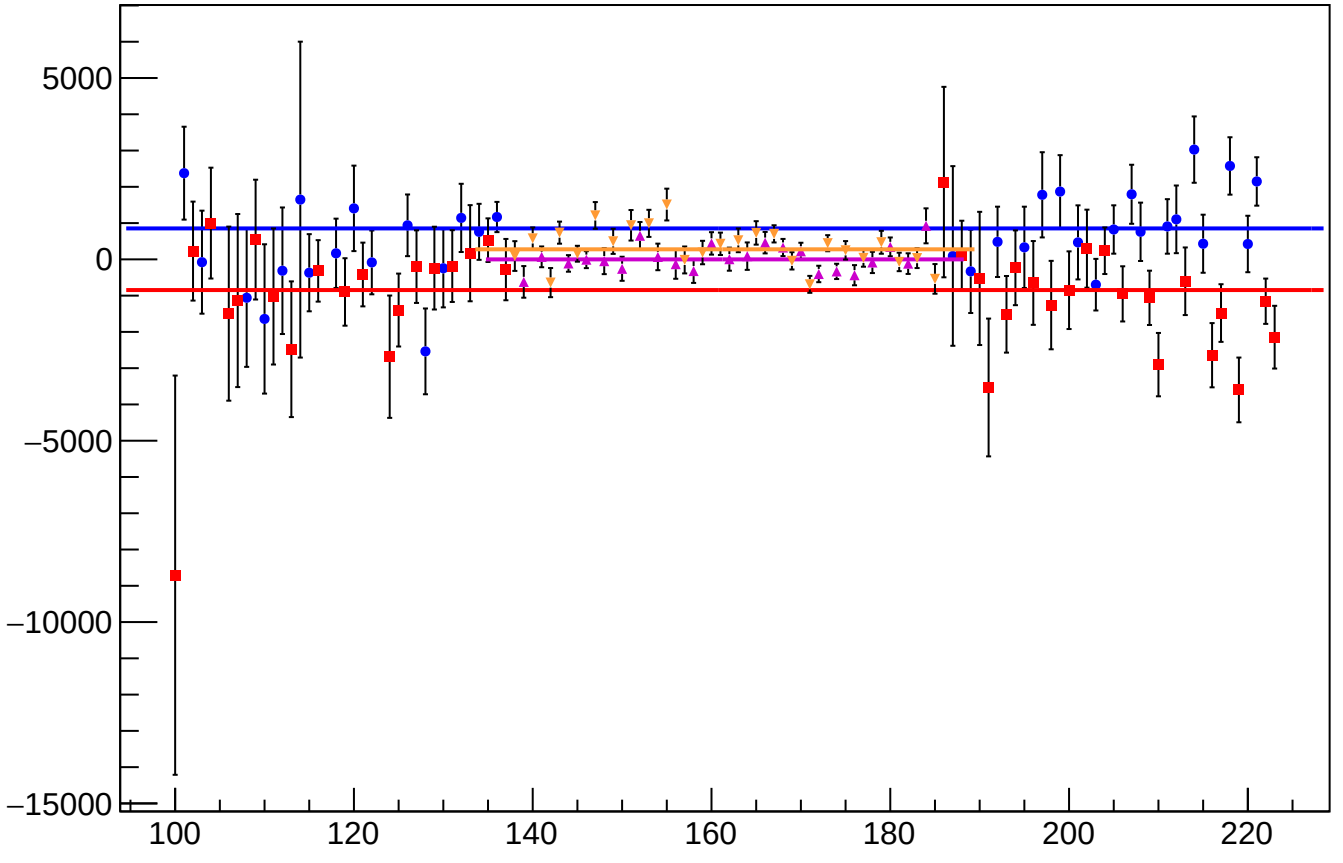
Right: 723.528+/-0.080 χ^2/NDF: 7429747.7/72

In: 300.718+/-0.039 χ^2/NDF:20235534.0/56

Out: 300.841+/-0.038 χ^2/NDF:22125828.9/63

All: 300.781+/-0.027 χ^2/NDF: 42361368.0/12

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

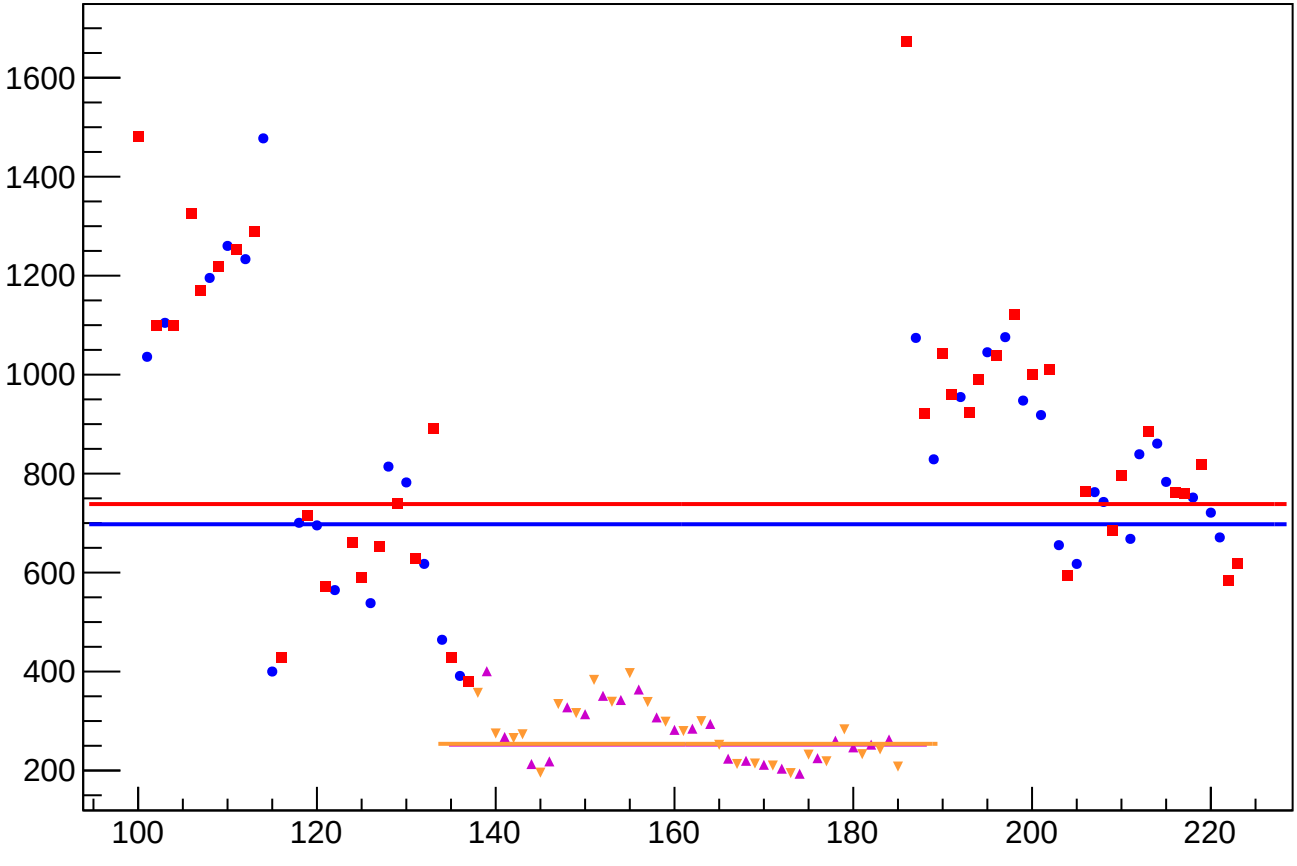
Right: 37.308+/-112.038 χ^2/NDF: 146.5/72

In: 111.360+/-56.261 χ^2/NDF:96.5/56

Out: 144.519+/-55.549 χ^2/NDF:153.6/63

All: 128.151+/-39.528 χ^2/NDF: 250.3/120

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

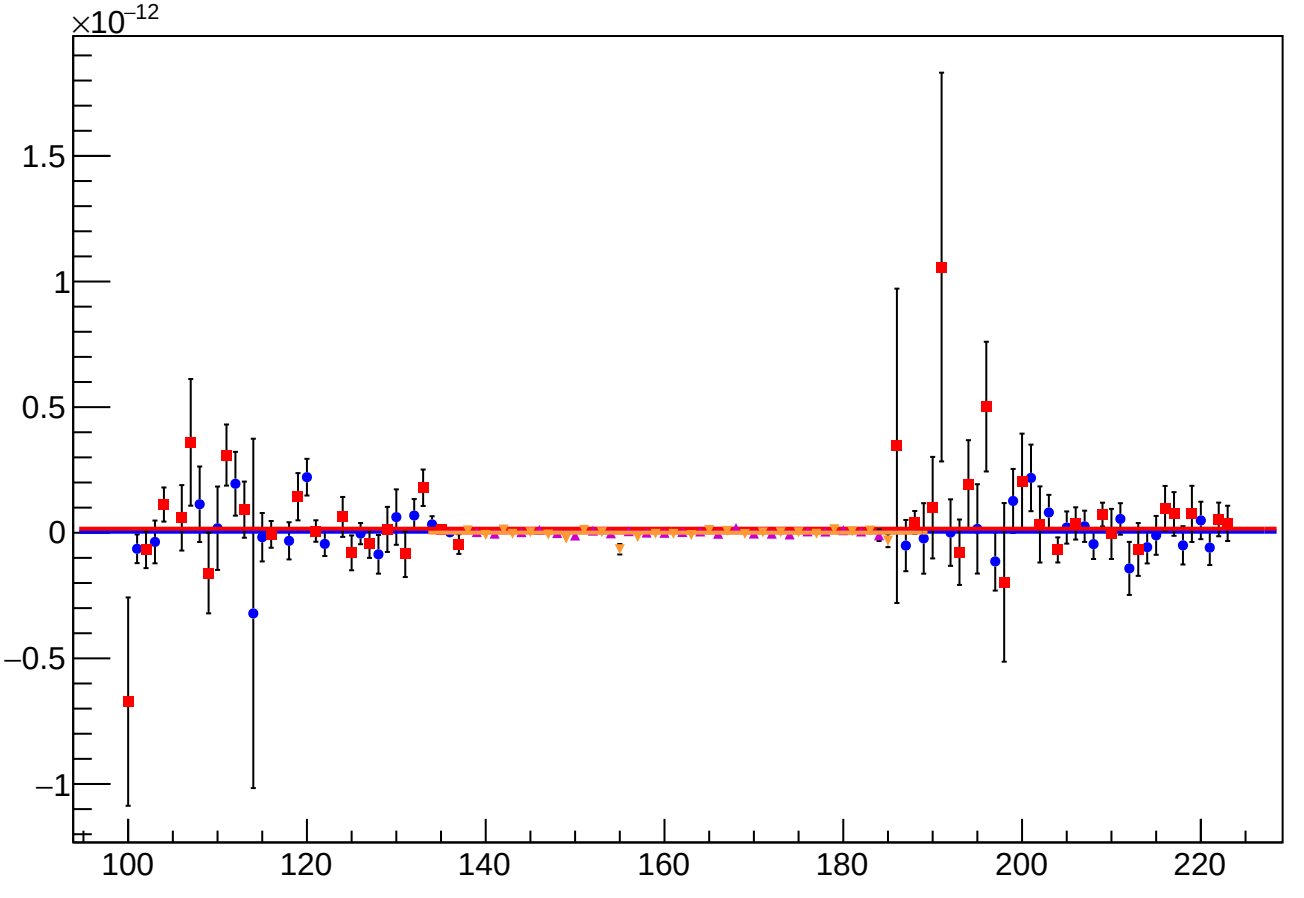
Right: 717.246+/-0.079 χ^2/NDF: 7361974.9/72

In: 310.771+/-0.040 χ^2/NDF:19145671.8/56

Out: 311.127+/-0.039 χ^2/NDF:21260781.3/63

All: 310.951+/-0.028 χ^2/NDF: 40406493.6/12

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

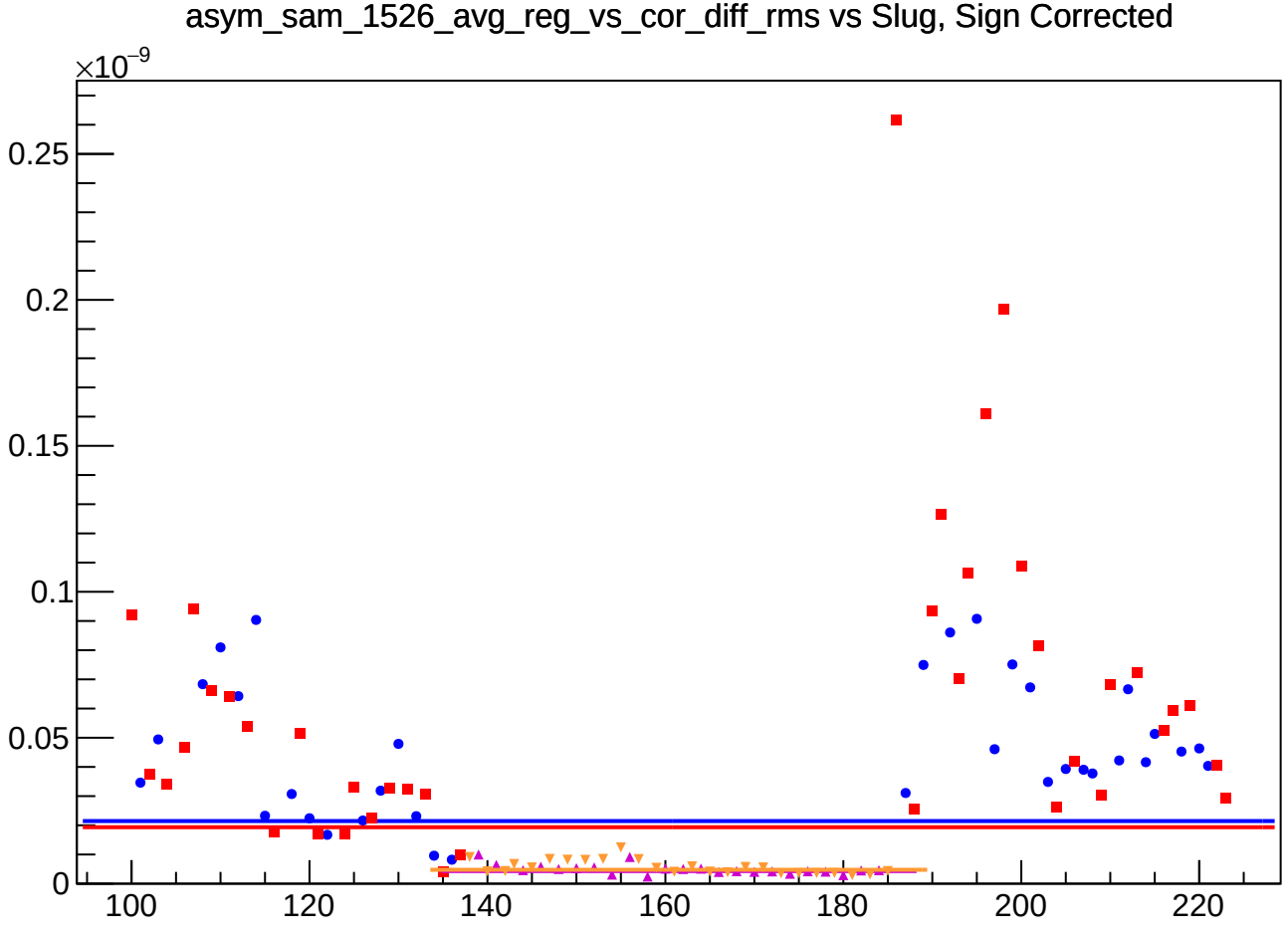
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 77.1/72

In: 0.000+/-0.000 χ^2/NDF:44.5/56

Out: 0.000+/-0.000 χ^2/NDF:75.5/63

All: 0.000+/-0.000 χ^2/NDF: 120.0/120



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

Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

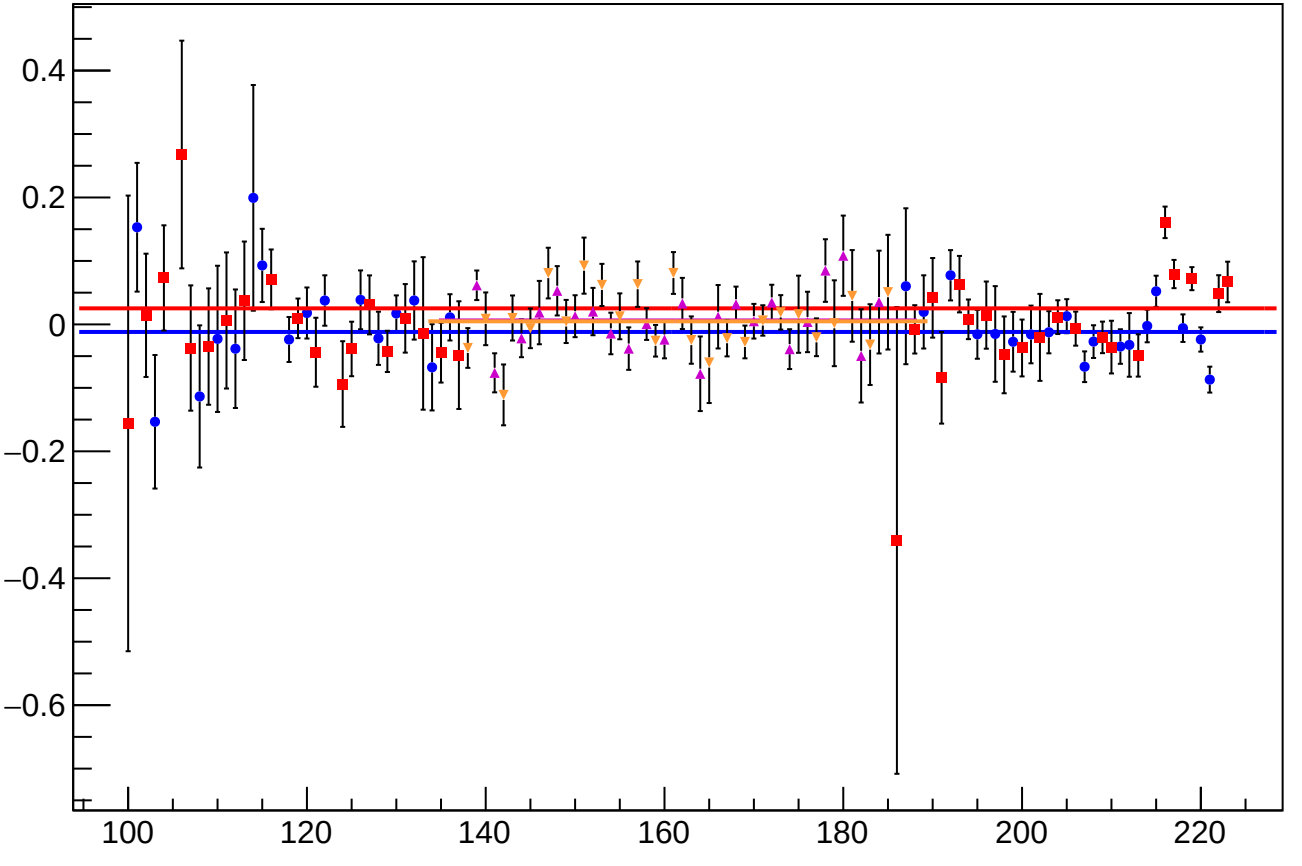
Right: 0.000+/-0.000 χ^2/NDF: 17854845.1/72

In: 0.000+/-0.000 χ^2/NDF:15010400.9/56

Out: 0.000+/-0.000 χ^2/NDF:16818780.9/63

All: 0.000+/-0.000 χ^2/NDF: 31868536.5/120

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

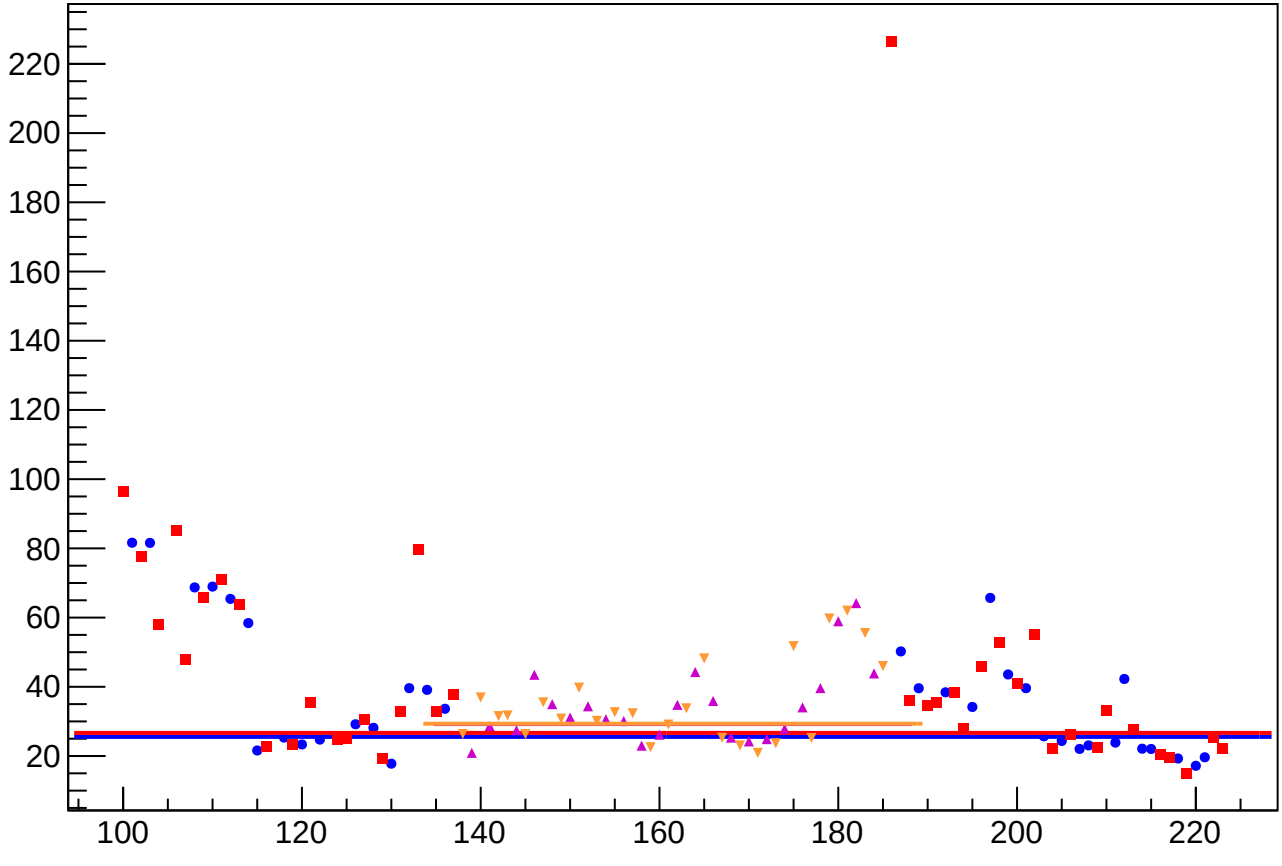
Right: 0.006+/-0.004 χ^2/NDF: 153.0/72

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.016+/-0.005 χ^2/NDF:123.4/63

All: 0.006+/-0.003 χ^2/NDF: 217.9/120

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

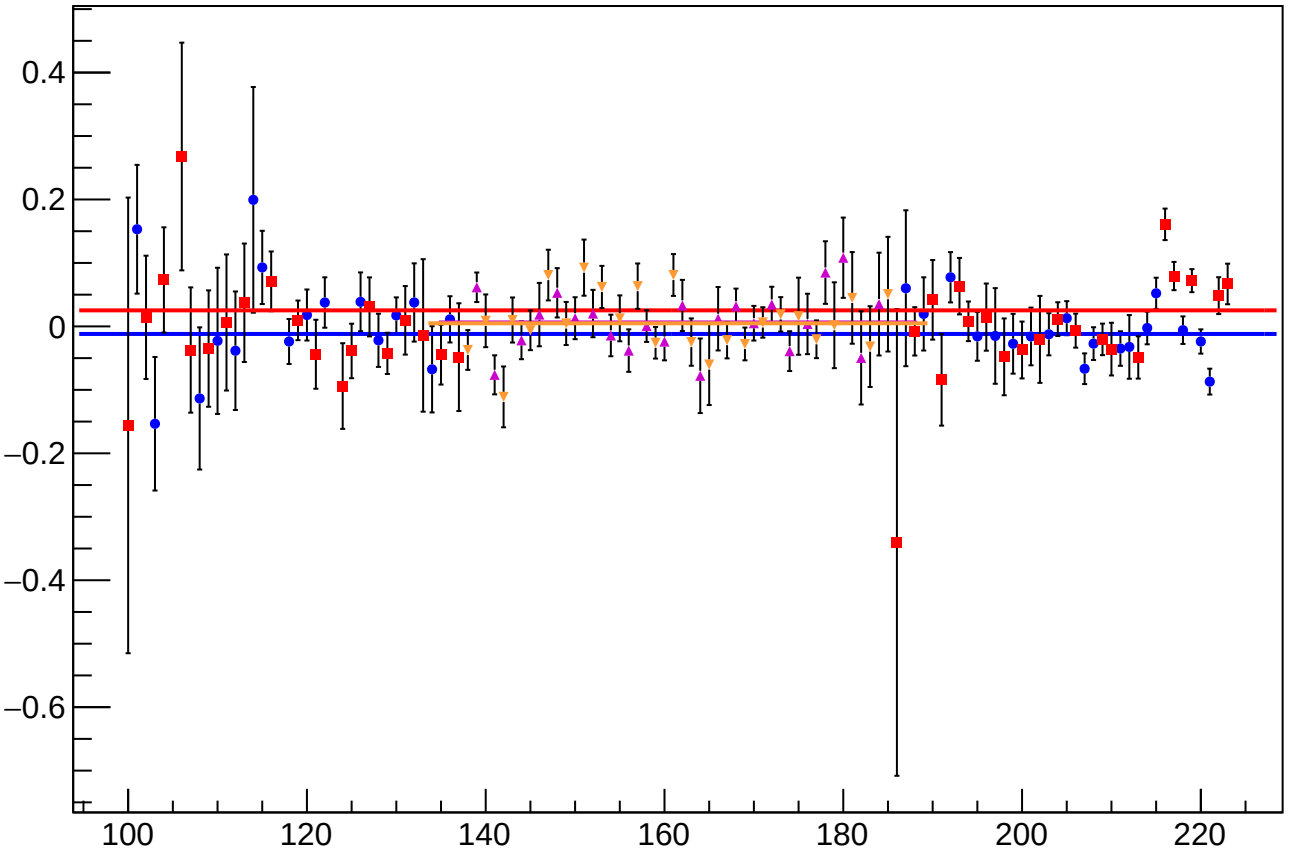
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 26.078+/-0.003 χ^2/NDF: 11740935.1/72

In: 27.061+/-0.003 χ^2/NDF:7711733.2/56

Out: 27.868+/-0.003 χ^2/NDF:9238621.6/63

All: 27.458+/-0.002 χ^2/NDF: 16979675.9/120



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

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

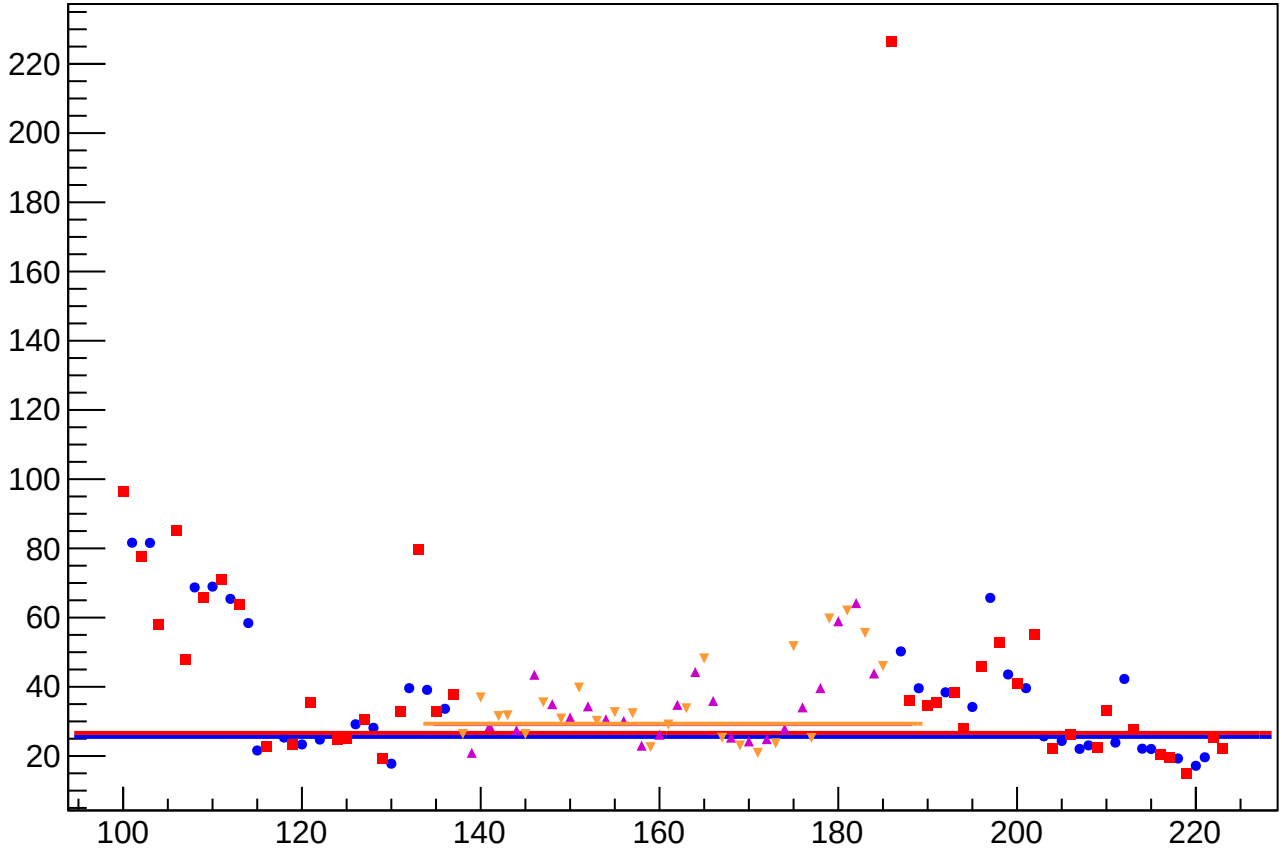
Right: 0.006+/-0.004 χ^2/NDF: 153.0/72

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.016+/-0.005 χ^2/NDF:123.4/63

All: 0.006+/-0.003 χ^2/NDF: 217.9/120

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

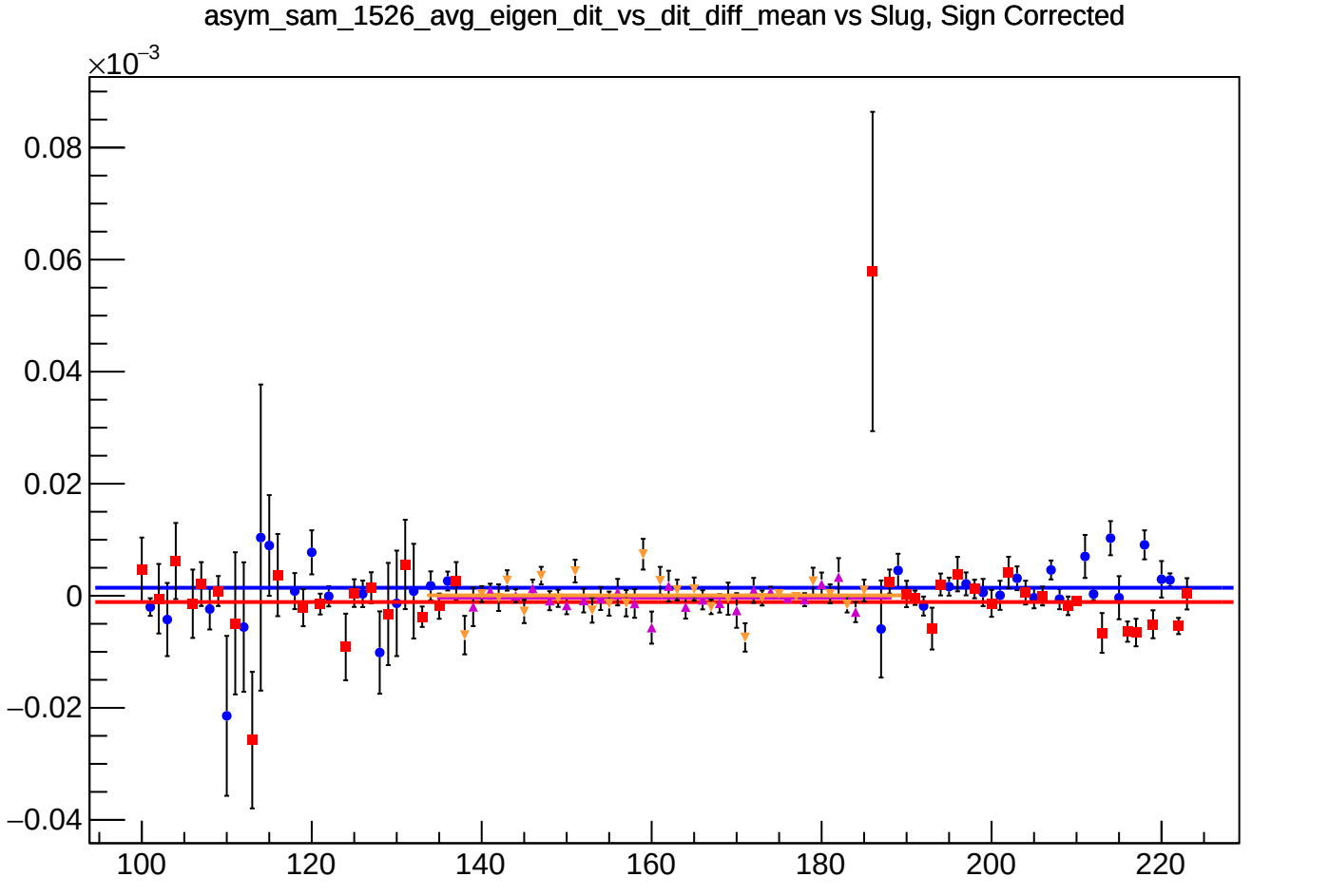
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 26.078+/-0.003 χ^2/NDF: 11740935.1/72

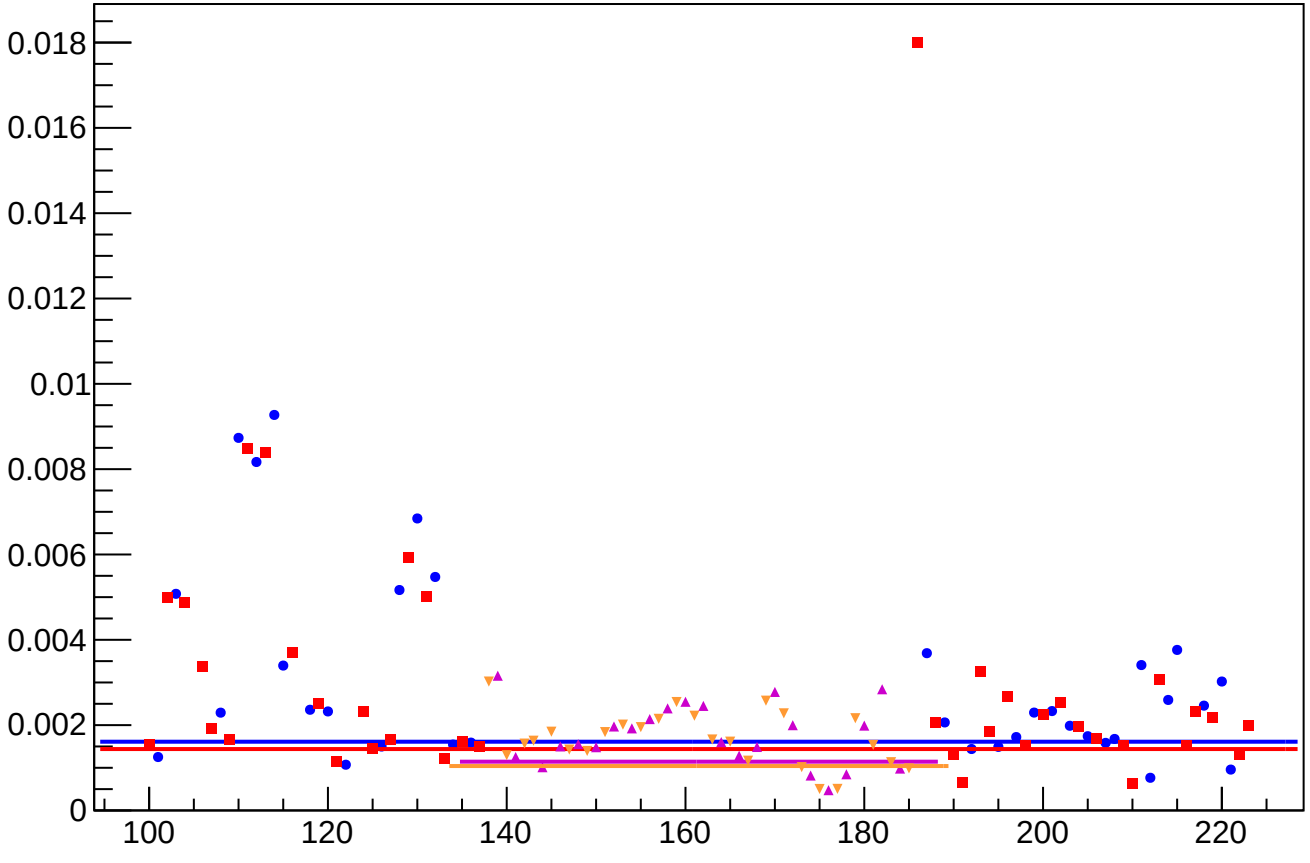
In: 27.061+/-0.003 χ^2/NDF:7711733.2/56

Out: 27.868+/-0.003 χ^2/NDF:9238621.6/63

All: 27.458+/-0.002 χ^2/NDF: 16979675.9/120


asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 51.6/33
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 64.4/38
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 138.9/72
In: 0.000+/-0.000 χ²/NDF:79.1/56
Out: -0.000+/-0.000 χ²/NDF:115.0/63
All: -0.000+/-0.000 χ²/NDF: 199.1/120

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

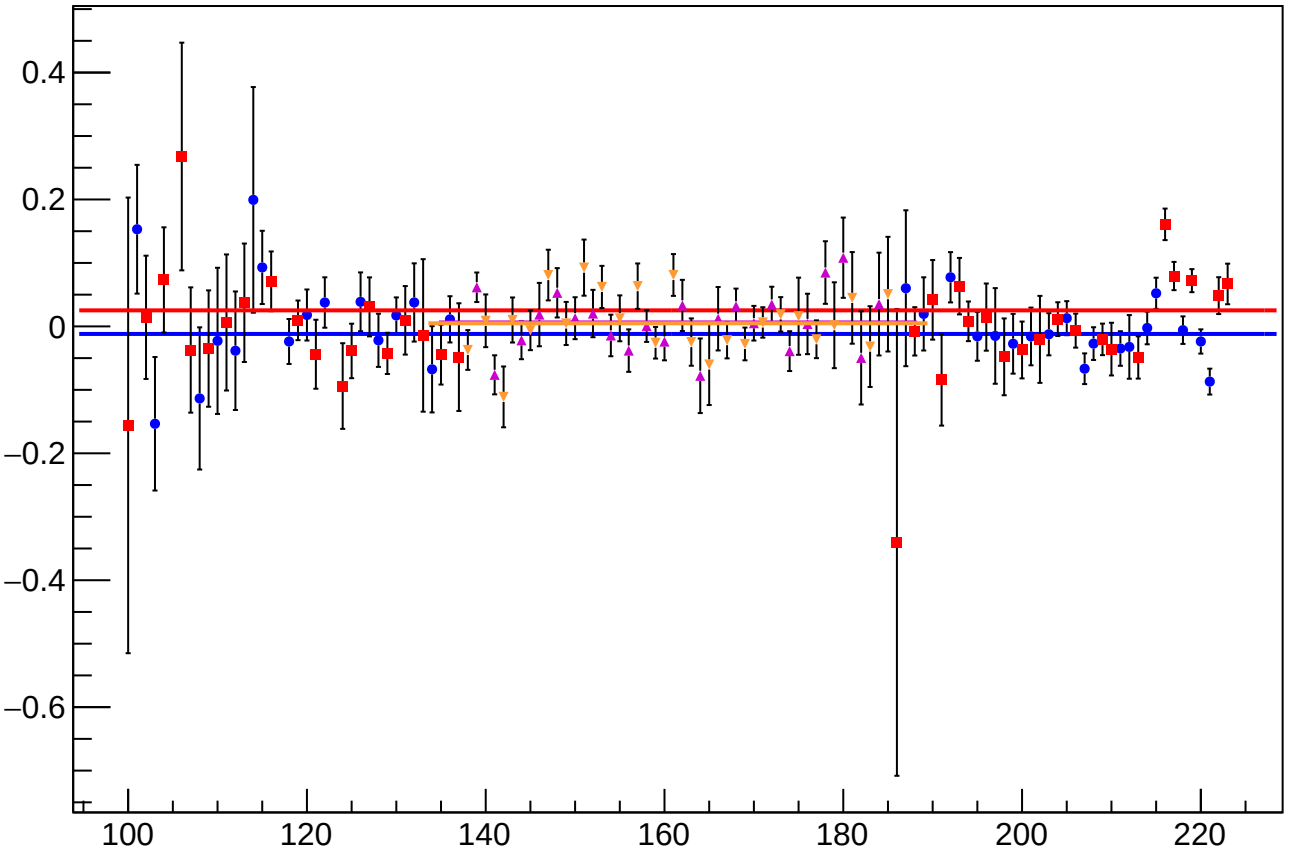
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 19233089.1/72

In: 0.001+/-0.000 χ^2/NDF:18246652.0/56

Out: 0.001+/-0.000 χ^2/NDF:22181274.6/63

All: 0.001+/-0.000 χ^2/NDF: 40728277.3/120



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

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

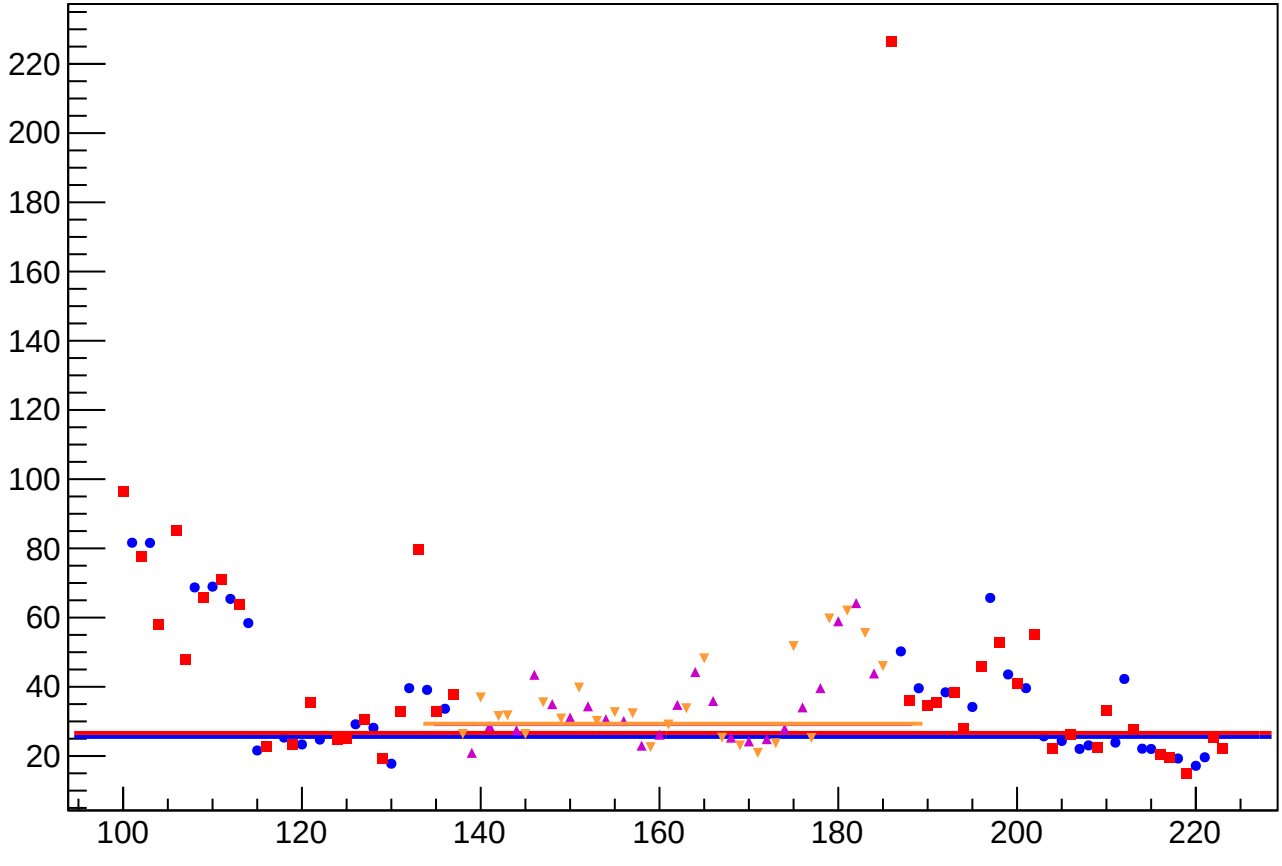
Right: 0.006+/-0.004 χ^2/NDF: 152.9/72

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.016+/-0.005 χ^2/NDF:123.4/63

All: 0.006+/-0.003 χ^2/NDF: 217.9/120

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

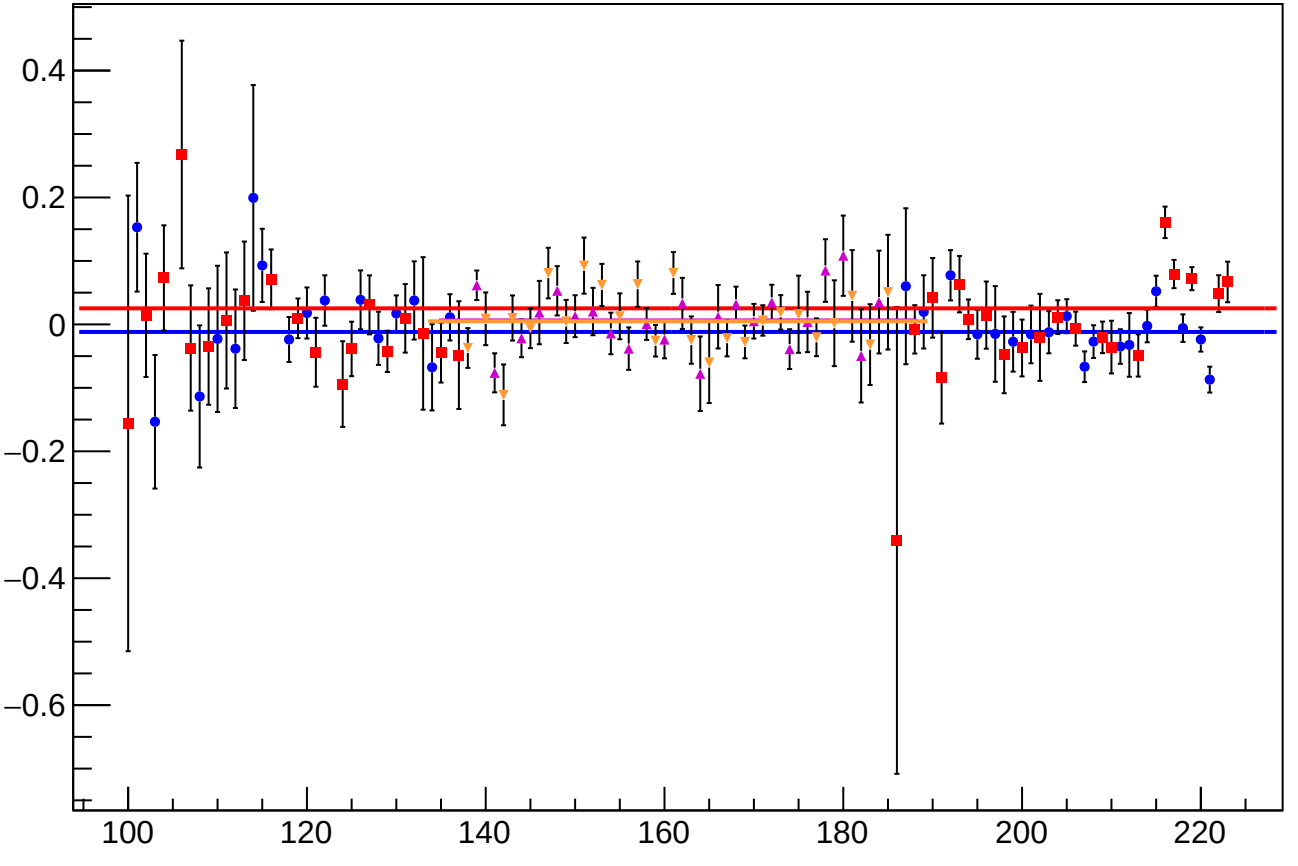
Right: 26.077+/-0.003 χ^2/NDF: 11741596.3/72

In: 27.061+/-0.003 χ^2/NDF:7712277.8/56

Out: 27.868+/-0.003 χ^2/NDF:9239015.1/63

All: 27.457+/-0.002 χ^2/NDF: 16980616.8/120

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

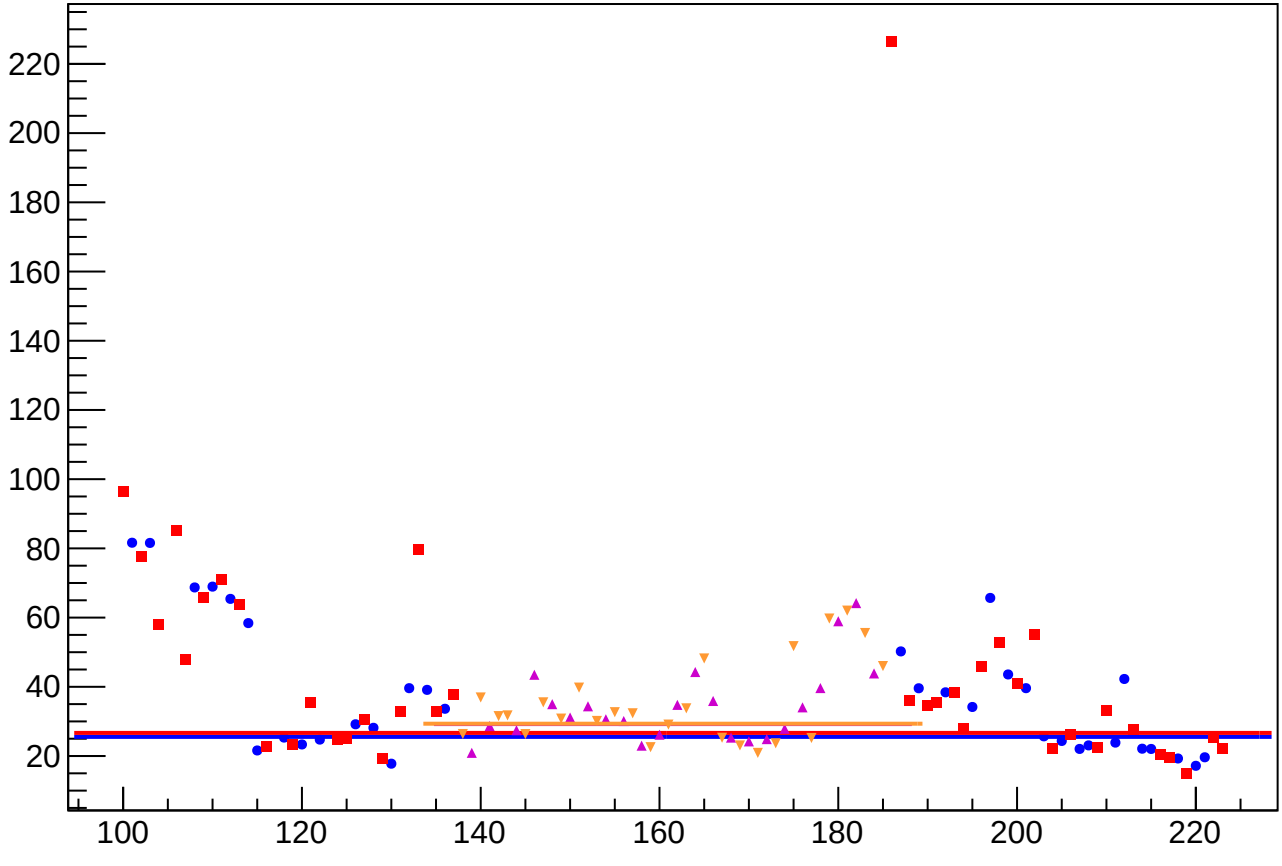
Right: 0.006+/-0.004 χ^2/NDF: 152.9/72

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.016+/-0.005 χ^2/NDF:123.4/63

All: 0.006+/-0.003 χ^2/NDF: 217.9/120

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

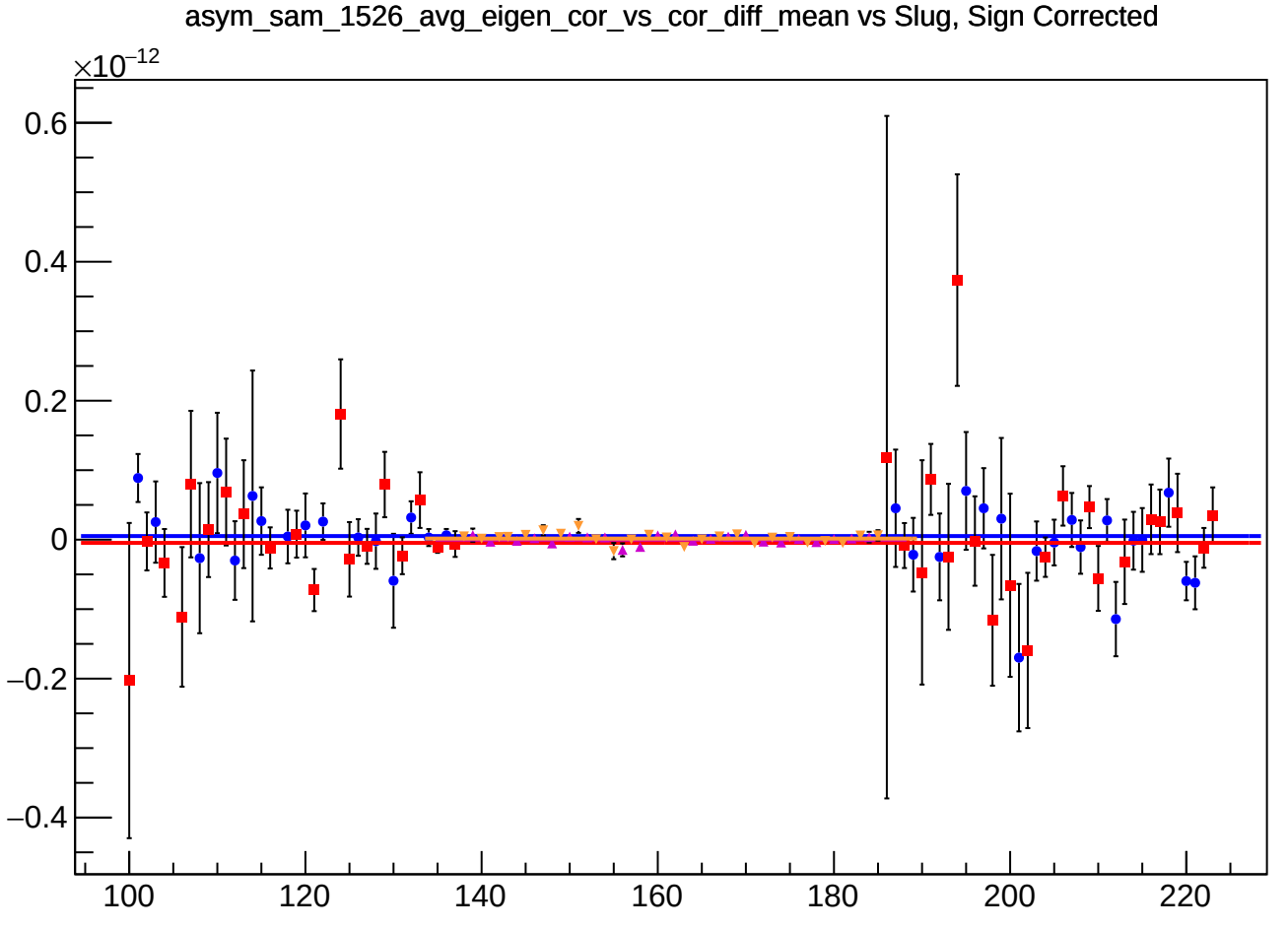
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 26.077+/-0.003 χ^2/NDF: 11741596.3/72

In: 27.061+/-0.003 χ^2/NDF:7712277.8/56

Out: 27.868+/-0.003 χ^2/NDF:9239015.1/63

All: 27.457+/-0.002 χ^2/NDF: 16980616.8/120



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

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

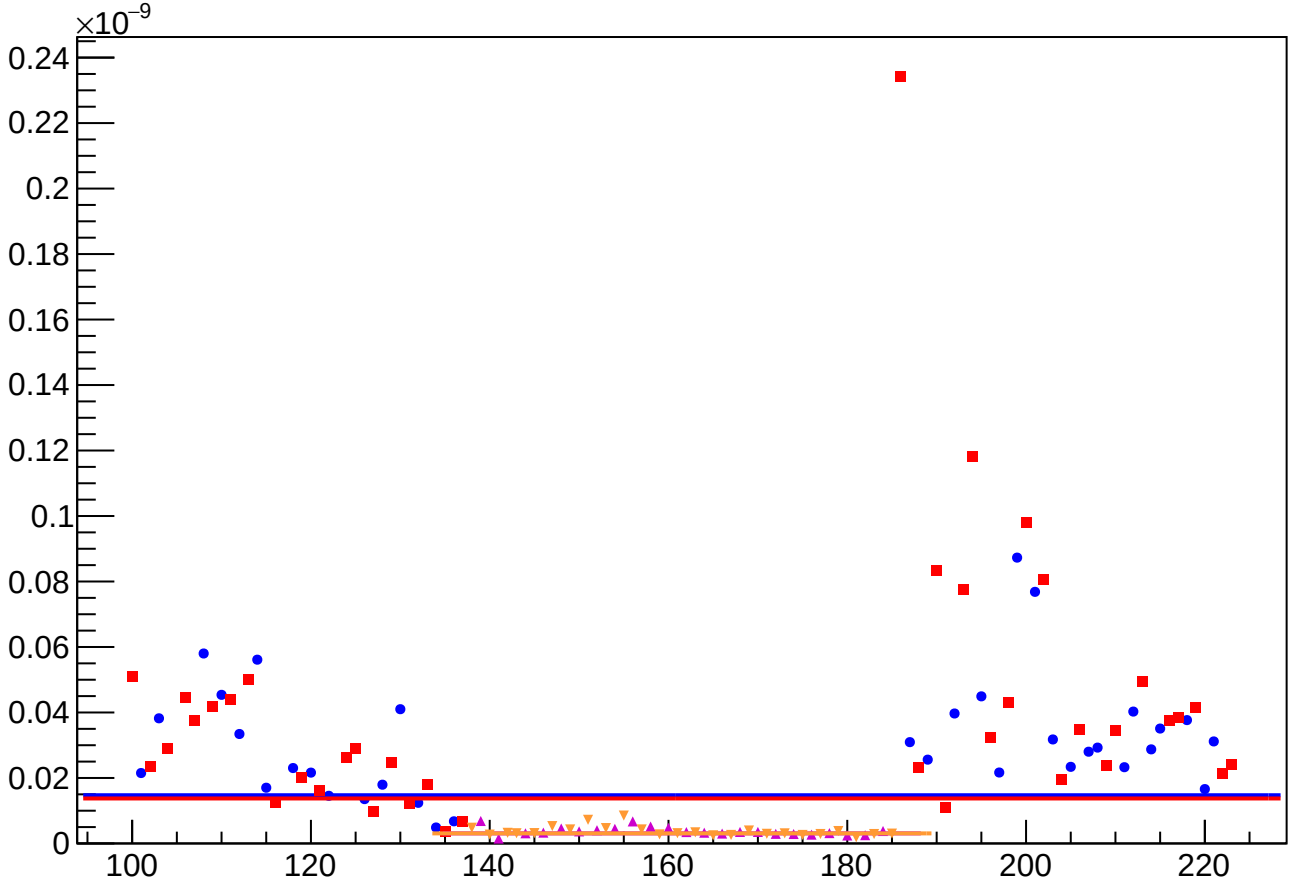
Right: 0.000+/-0.000 χ^2/NDF: 78.6/72

In: 0.000+/-0.000 χ^2/NDF:51.5/56

Out: 0.000+/-0.000 χ^2/NDF:81.1/63

All: 0.000+/-0.000 χ^2/NDF: 133.2/120

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

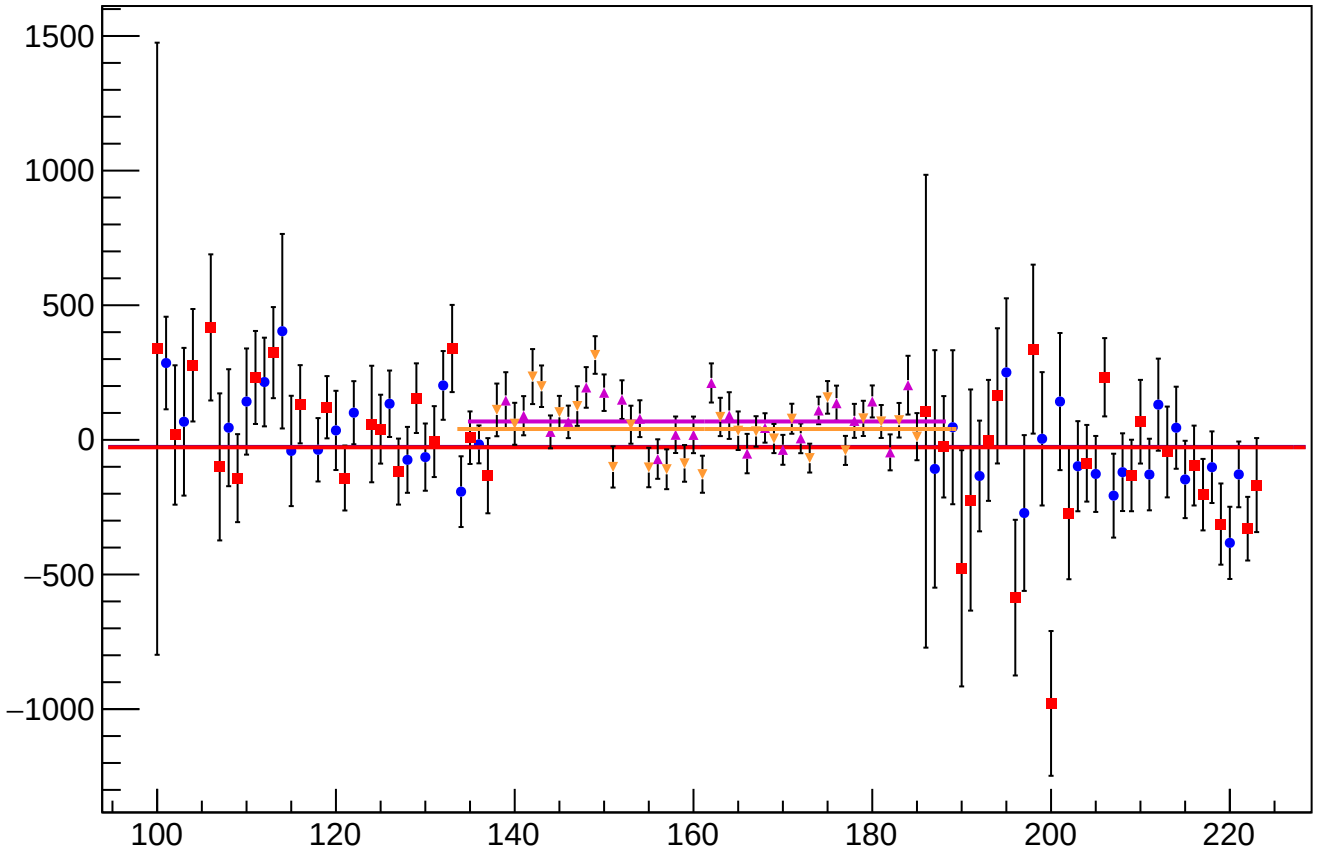
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 23878326.8/72

In: 0.000+/-0.000 χ^2/NDF:21716279.6/56

Out: 0.000+/-0.000 χ^2/NDF:24159171.8/63

All: 0.000+/-0.000 χ^2/NDF: 45878581.2/120



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

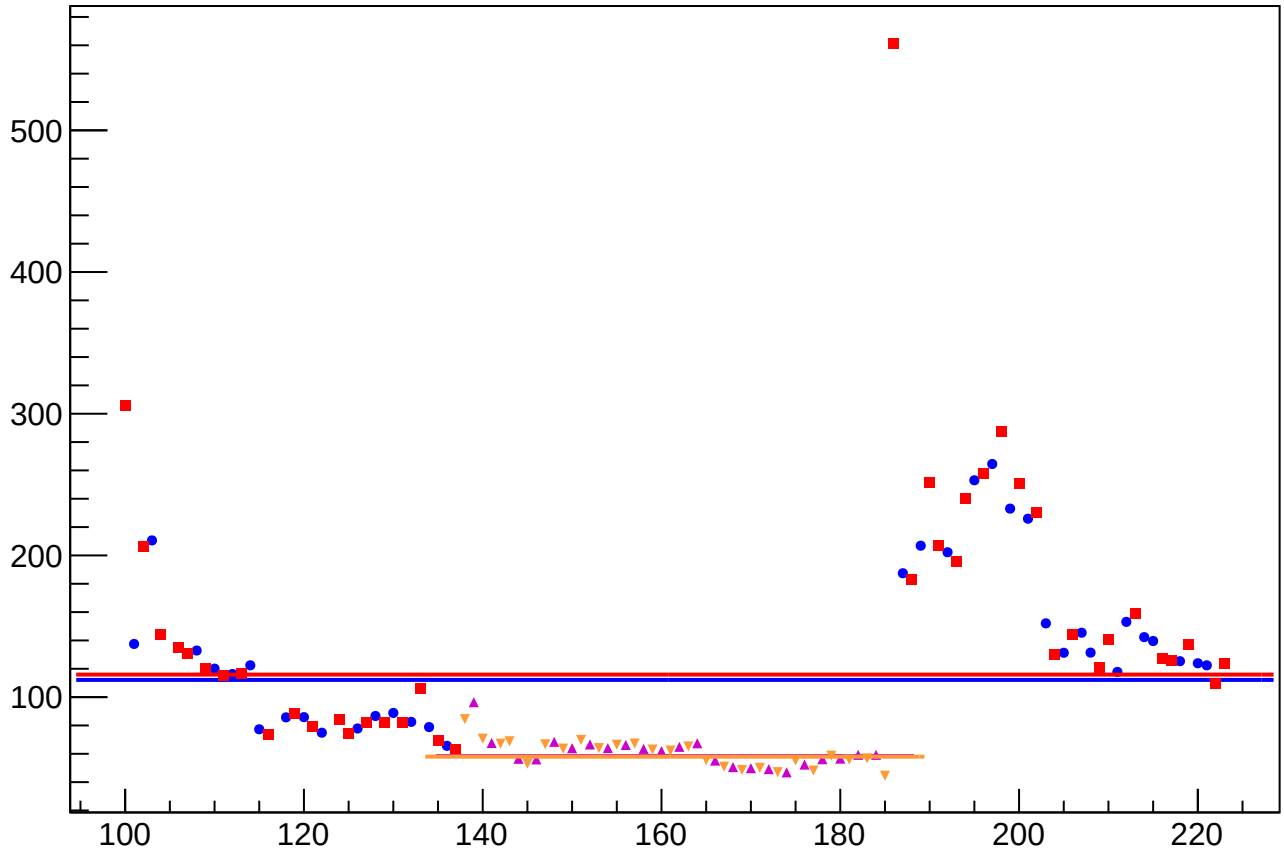
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: -26.896+/-18.448 χ^2/NDF: 93.7/72

In: 47.115+/-12.211 χ^2/NDF:73.6/56

Out: 26.433+/-11.952 χ^2/NDF:127.0/63

All: 36.553+/-8.541 χ^2/NDF: 202.0/120



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

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

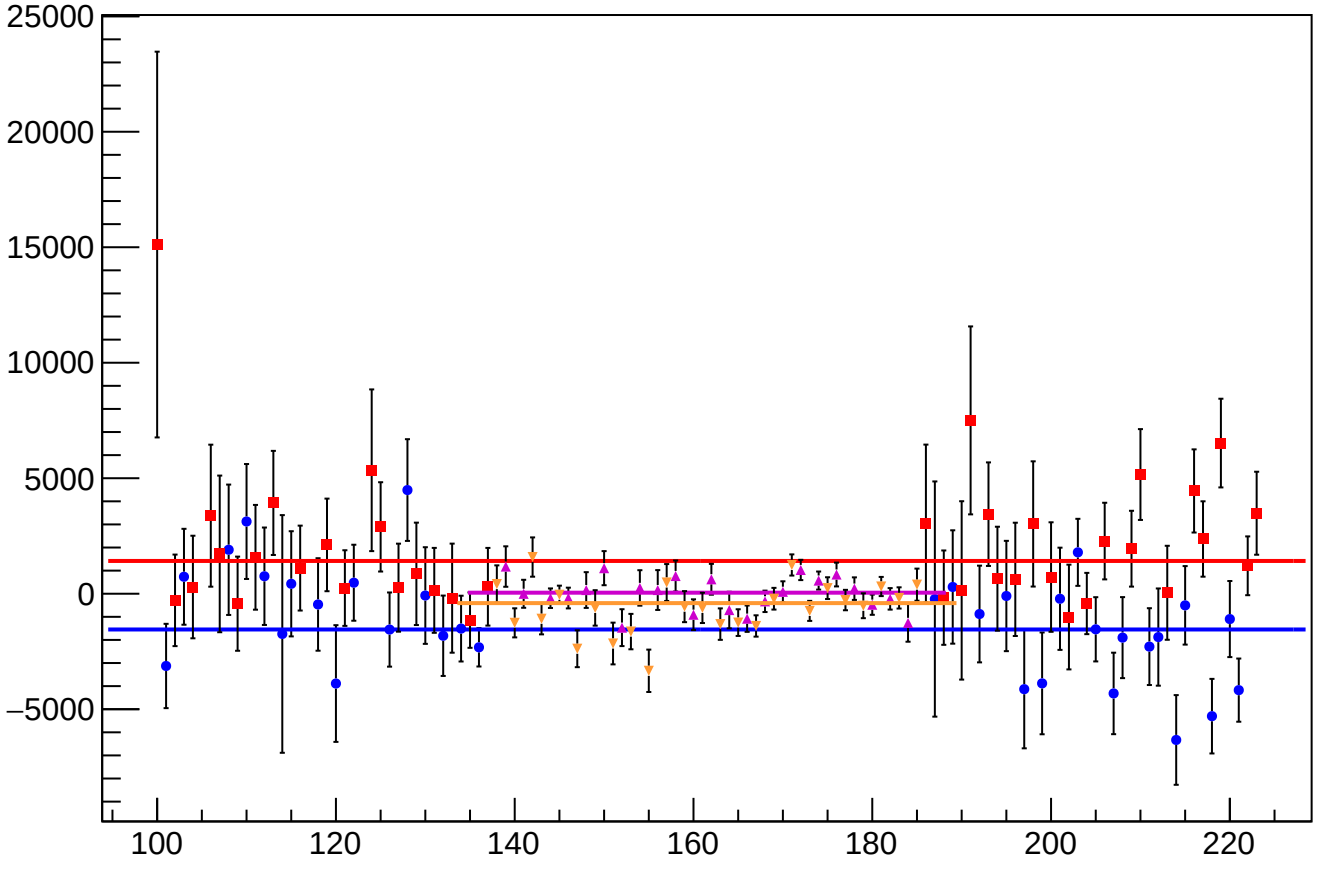
Right: 113.983+/-0.013 χ^2/NDF: 11813889.9/72

In: 70.466+/-0.009 χ^2/NDF:12868035.4/56

Out: 69.847+/-0.008 χ^2/NDF:14859353.6/63

All: 70.150+/-0.006 χ^2/NDF: 27730012.8/120

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



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

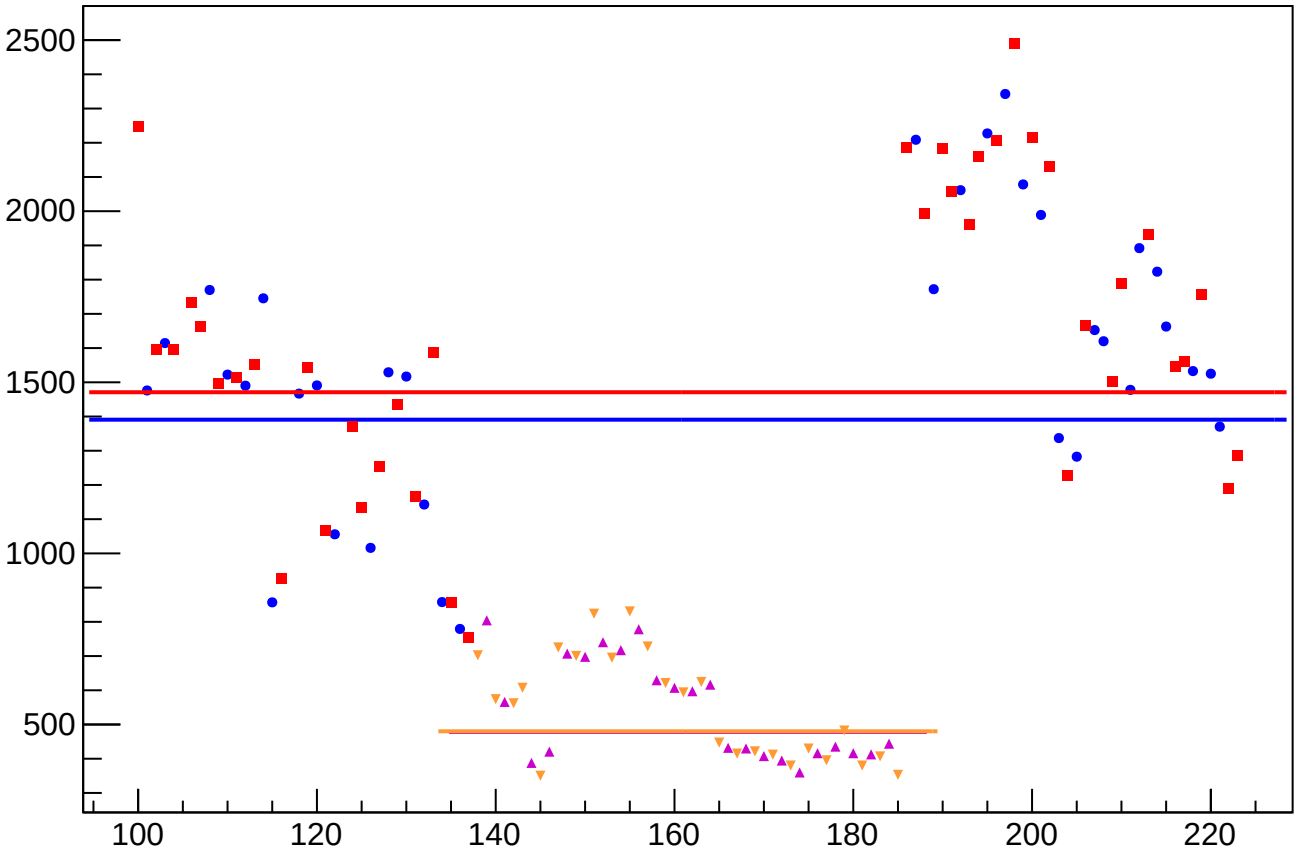
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -113.282+/-222.394 χ^2/NDF: 131.0/72

In: -150.686+/-108.428 χ^2/NDF:102.0/56

Out: -202.258+/-106.936 χ^2/NDF:131.0/63

All: -176.829+/-76.137 χ^2/NDF: 233.1/120



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

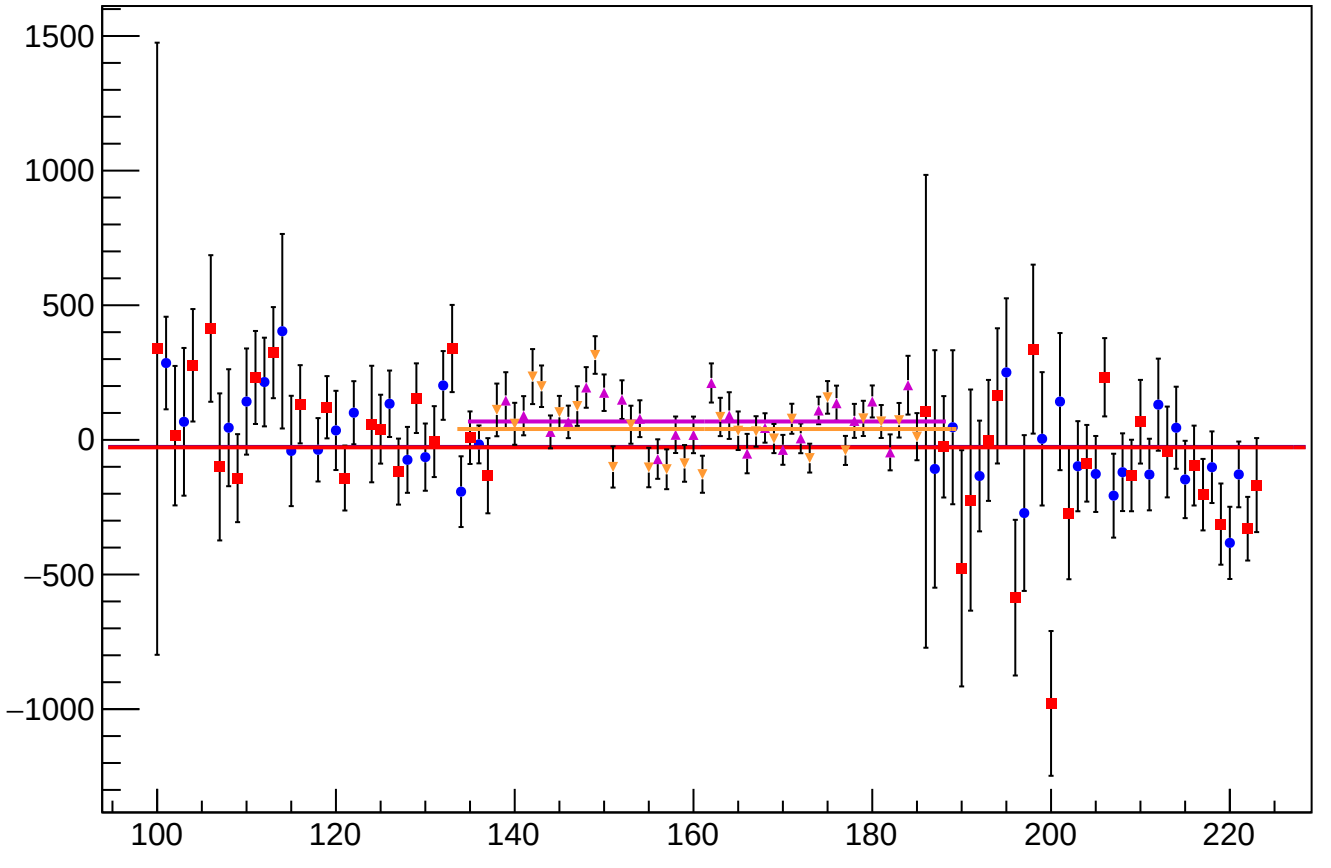
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1429.557+/-0.157 χ^2/NDF: 6689527.4/72

In: 590.107+/-0.077 χ^2/NDF:20842618.2/56

Out: 590.954+/-0.076 χ^2/NDF:22890407.5/63

All: 590.537+/-0.054 χ^2/NDF: 43733087.5/12



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

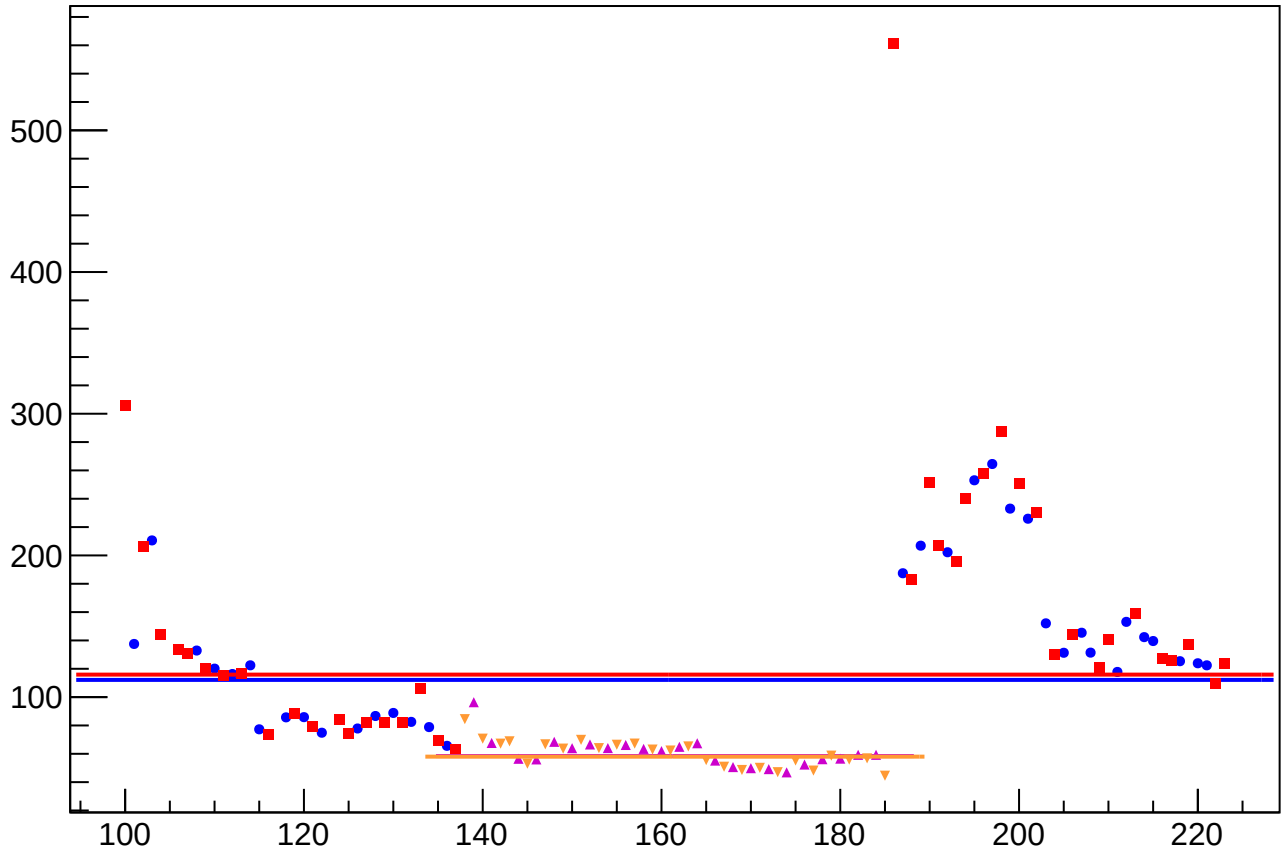
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -26.944+/-18.448 χ^2/NDF: 93.6/72

In: 47.113+/-12.211 χ^2/NDF:73.6/56

Out: 26.417+/-11.952 χ^2/NDF:126.9/63

All: 36.544+/-8.541 χ^2/NDF: 201.9/120



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

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

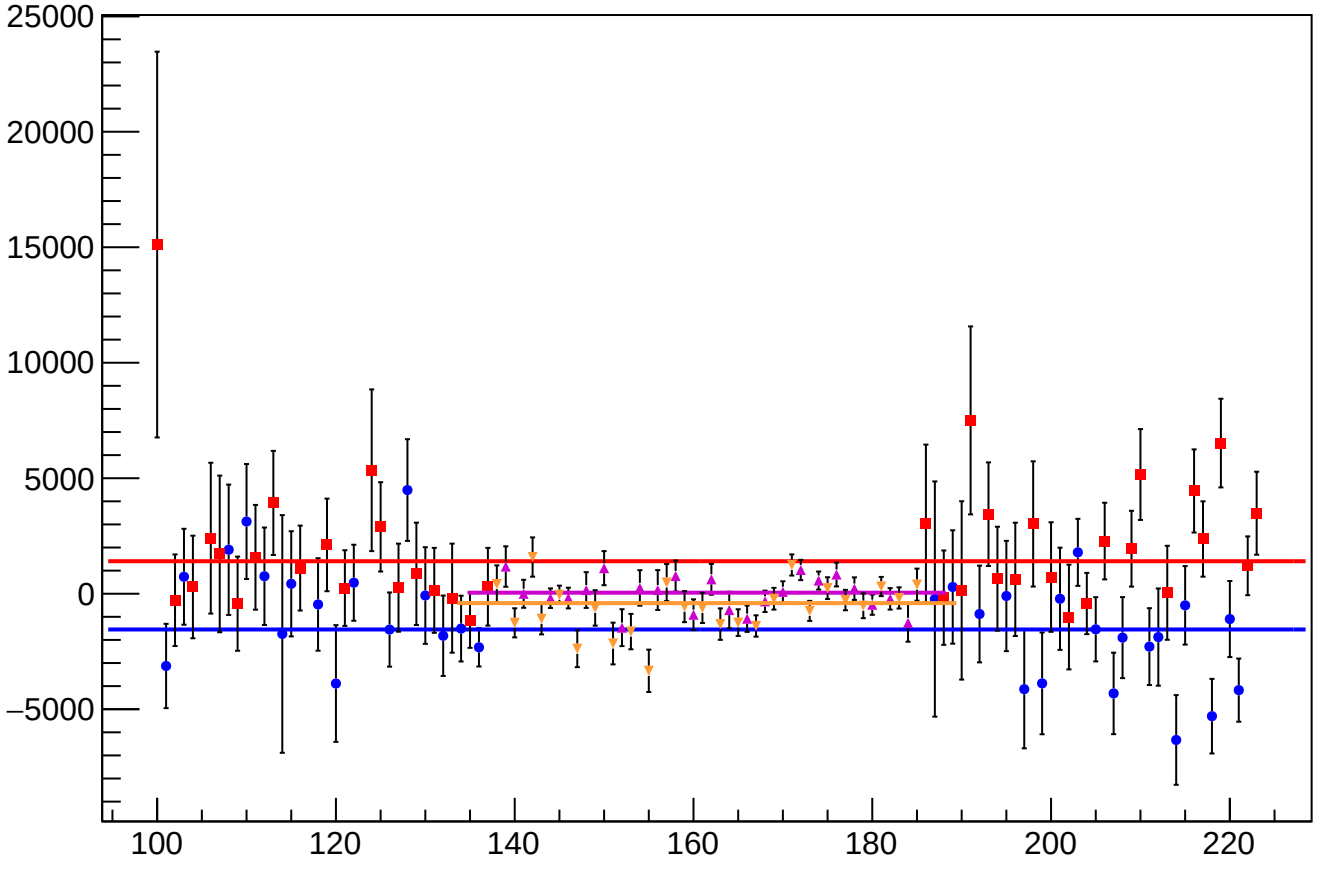
Right: 113.973+/-0.013 χ^2/NDF: 11811995.7/72

In: 70.466+/-0.009 χ^2/NDF:12868037.8/56

Out: 69.843+/-0.008 χ^2/NDF:14852099.2/63

All: 70.148+/-0.006 χ^2/NDF: 27722800.3/120

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



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

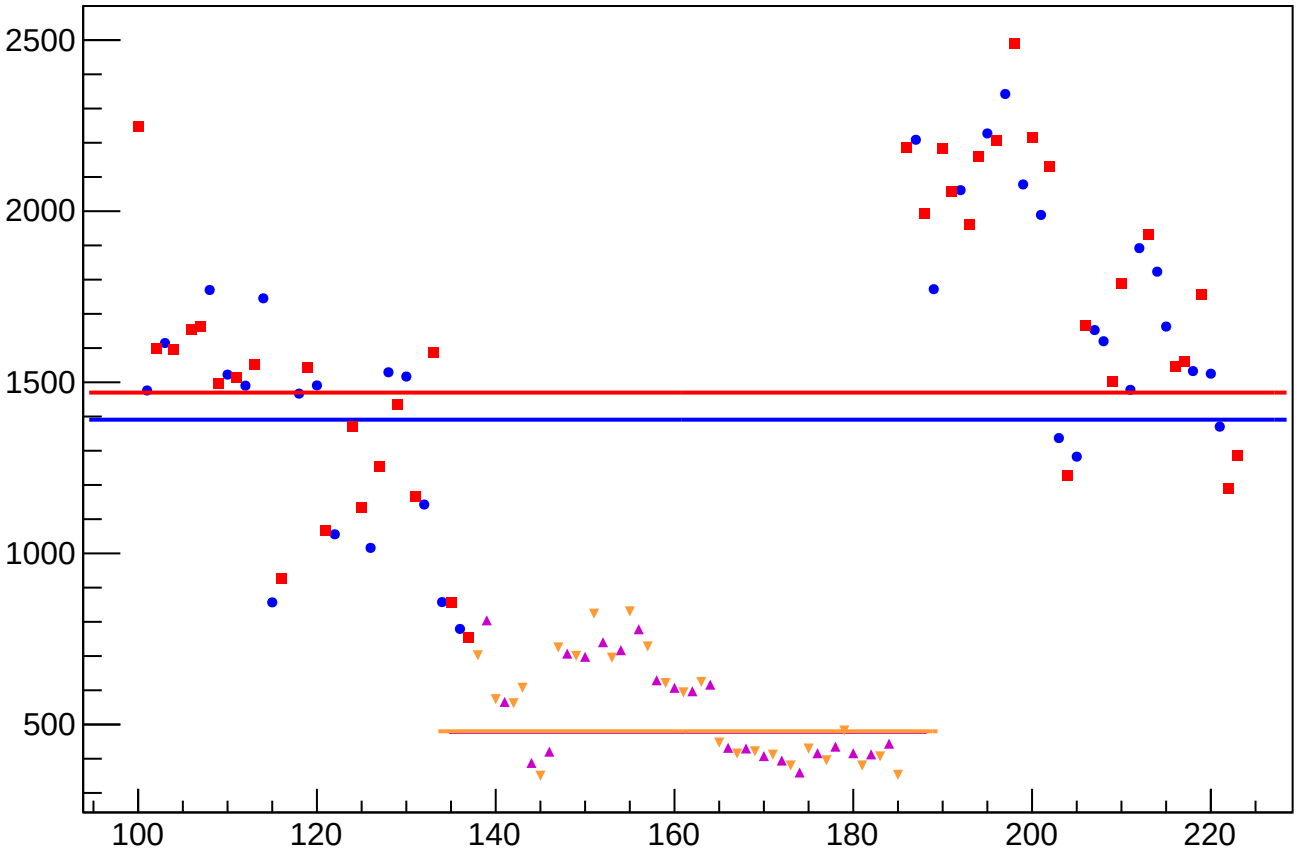
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -119.796+/-222.462 χ^2/NDF: 130.3/72

In: -150.685+/-108.428 χ^2/NDF:102.0/56

Out: -203.776+/-106.943 χ^2/NDF:130.2/63

All: -177.597+/-76.140 χ^2/NDF: 232.4/120



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

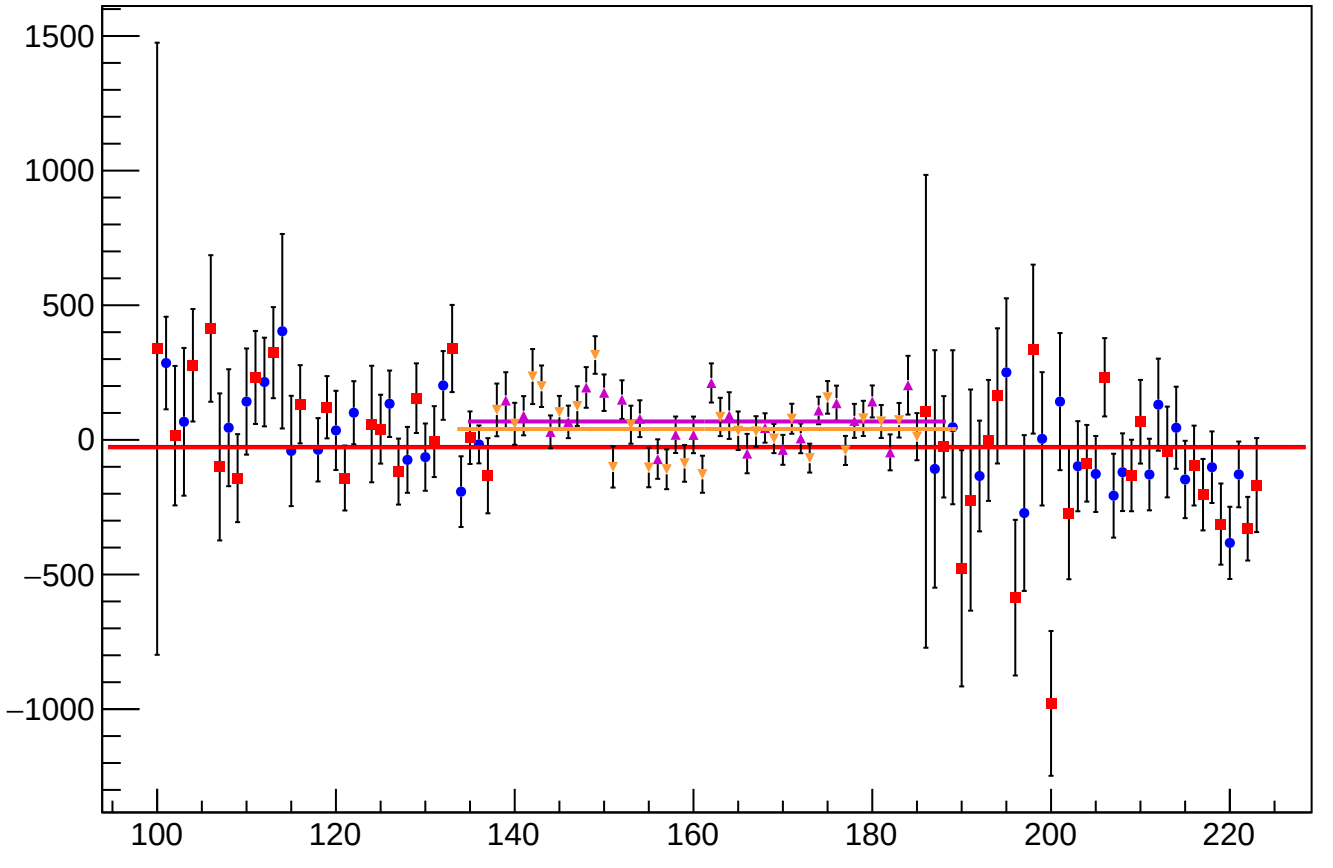
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1429.026+/-0.157 χ^2/NDF: 6679736.1/72

In: 590.107+/-0.077 χ^2/NDF:20842646.7/56

Out: 590.712+/-0.076 χ^2/NDF:22827074.2/63

All: 590.414+/-0.054 χ^2/NDF: 43669752.5/12



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

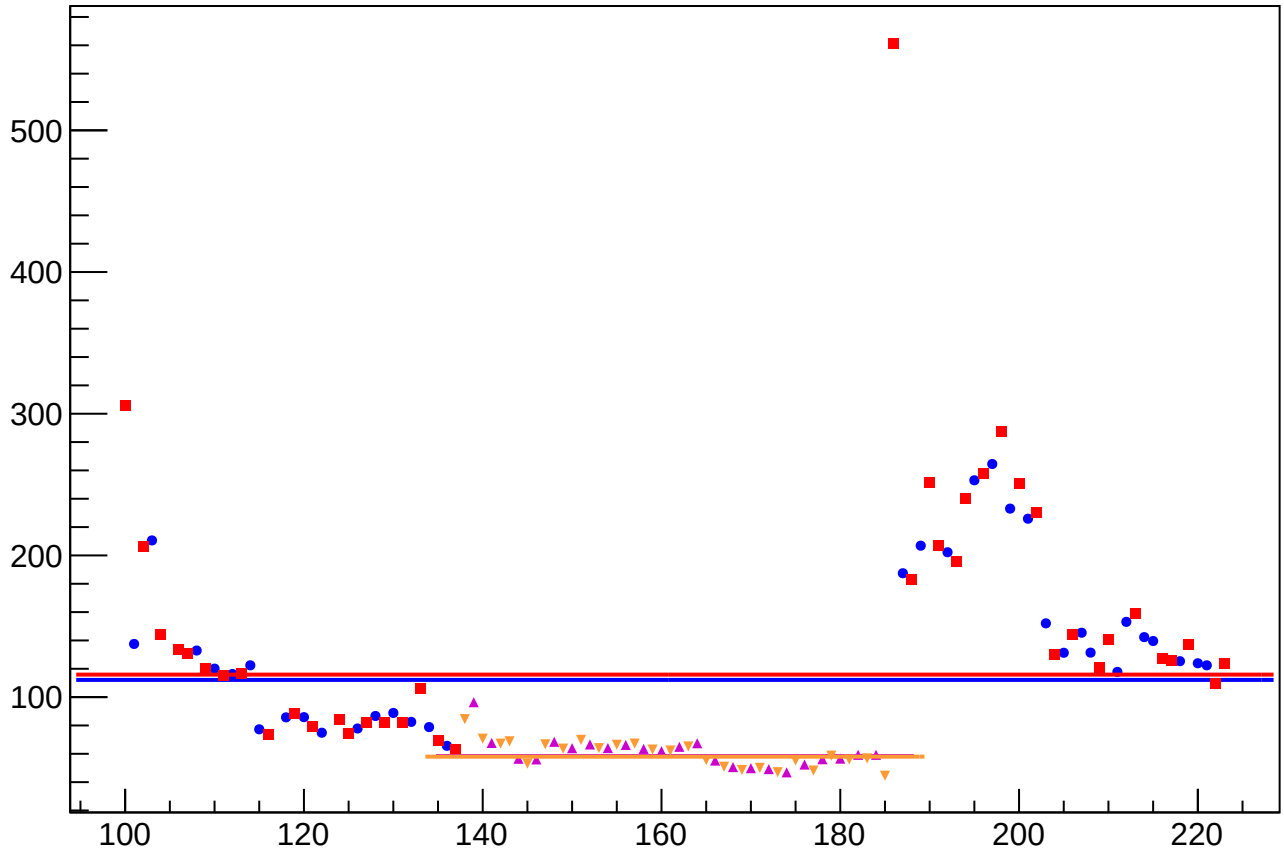
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -26.944+/-18.448 χ^2/NDF: 93.6/72

In: 47.113+/-12.211 χ^2/NDF:73.6/56

Out: 26.417+/-11.952 χ^2/NDF:126.9/63

All: 36.544+/-8.541 χ^2/NDF: 201.9/120



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

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

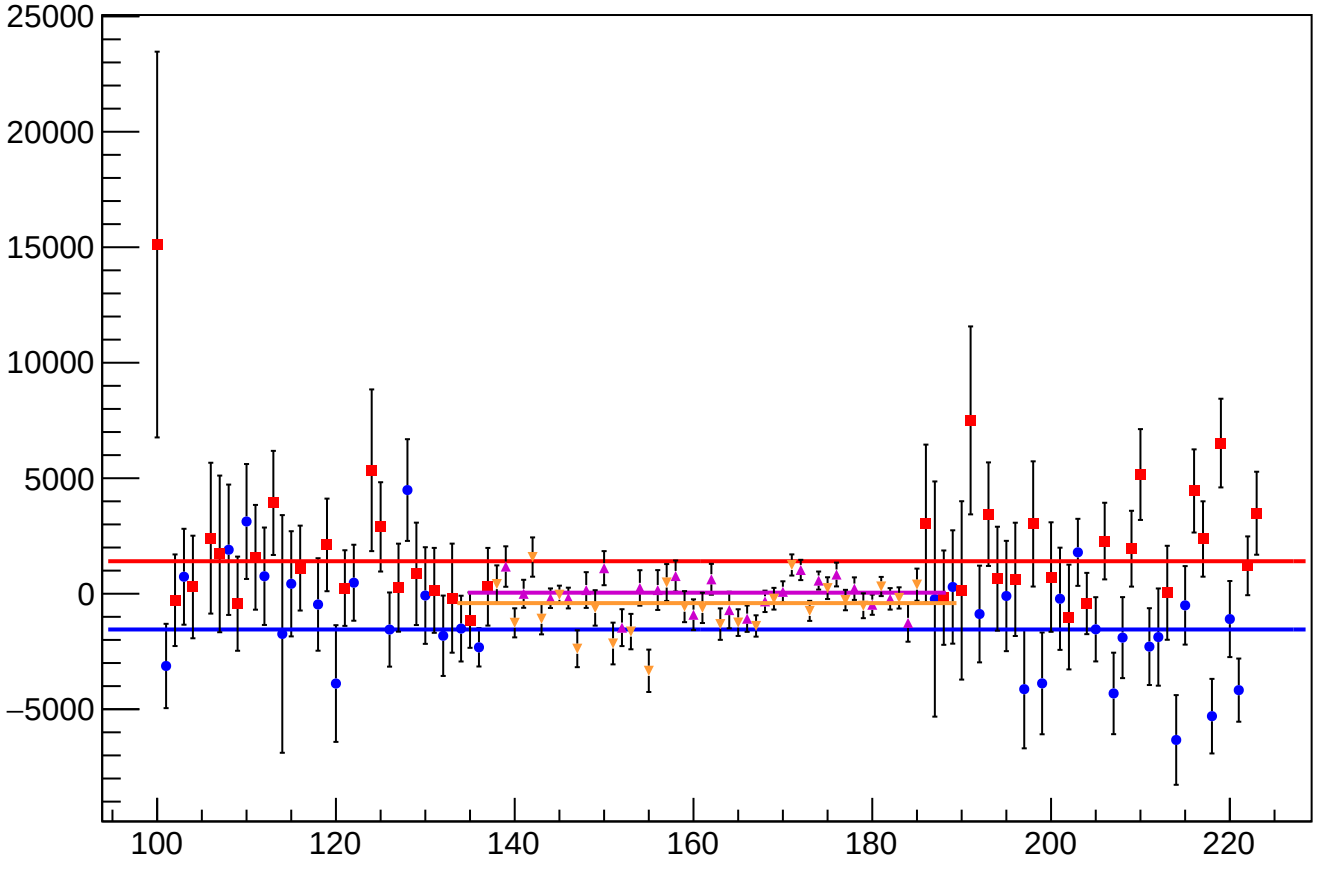
Right: 113.973+/-0.013 χ^2/NDF: 11811995.7/72

In: 70.466+/-0.009 χ^2/NDF:12868037.8/56

Out: 69.843+/-0.008 χ^2/NDF:14852099.2/63

All: 70.148+/-0.006 χ^2/NDF: 27722800.3/120

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

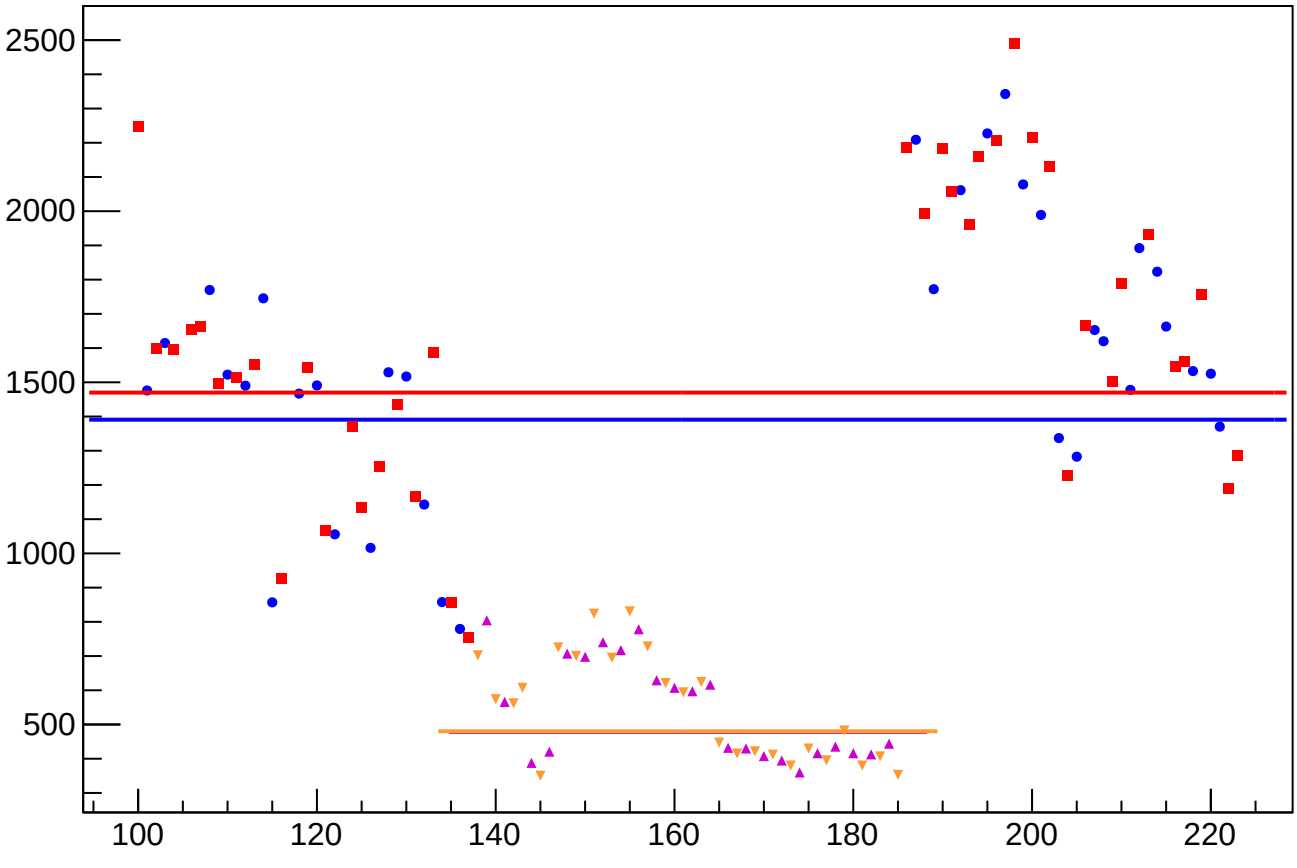
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -119.796+/-222.462 χ^2/NDF: 130.3/72

In: -150.685+/-108.428 χ^2/NDF:102.0/56

Out: -203.776+/-106.943 χ^2/NDF:130.2/63

All: -177.597+/-76.140 χ^2/NDF: 232.4/120



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

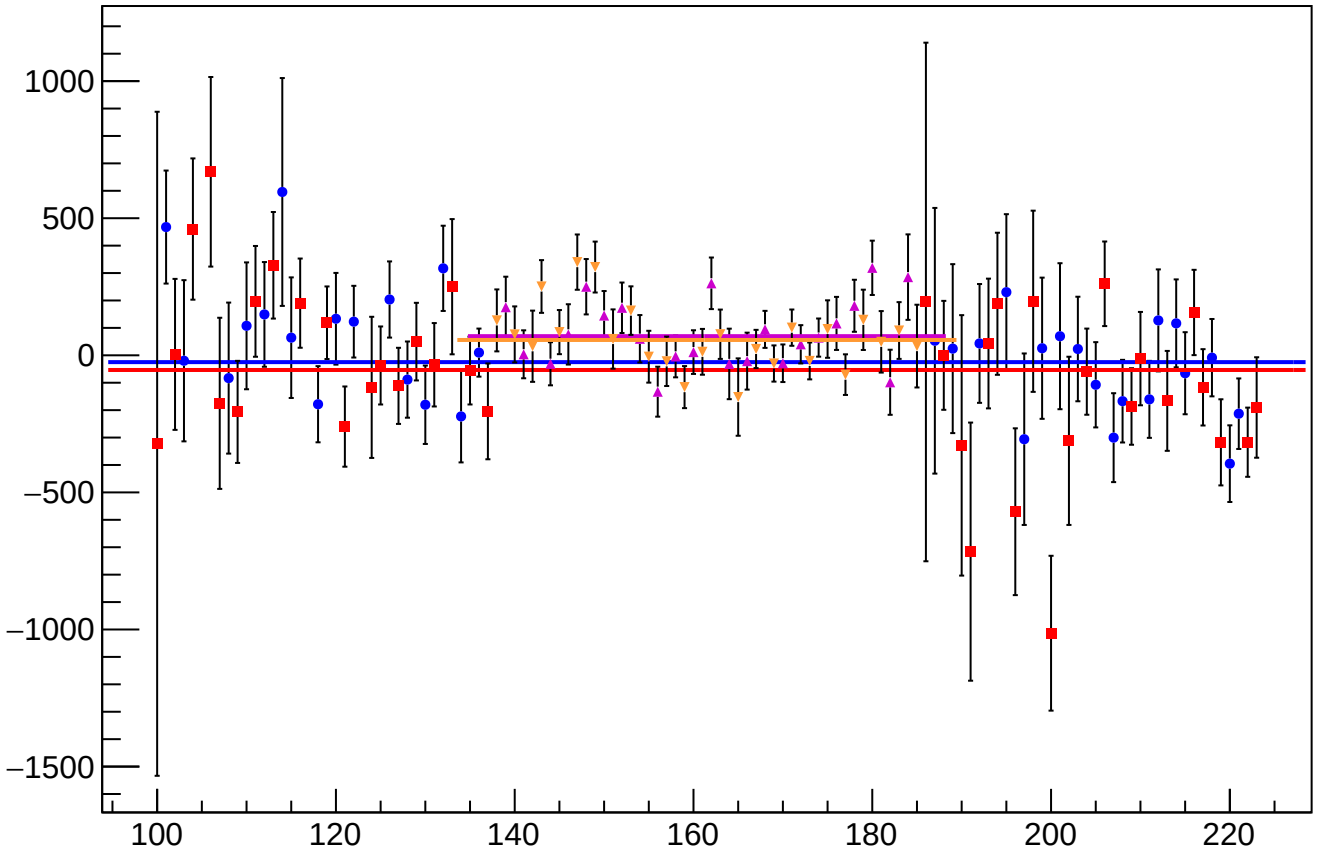
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1429.026+/-0.157 χ^2/NDF: 6679736.1/72

In: 590.107+/-0.077 χ^2/NDF:20842646.7/56

Out: 590.712+/-0.076 χ^2/NDF:22827074.2/63

All: 590.414+/-0.054 χ^2/NDF: 43669752.5/12



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

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

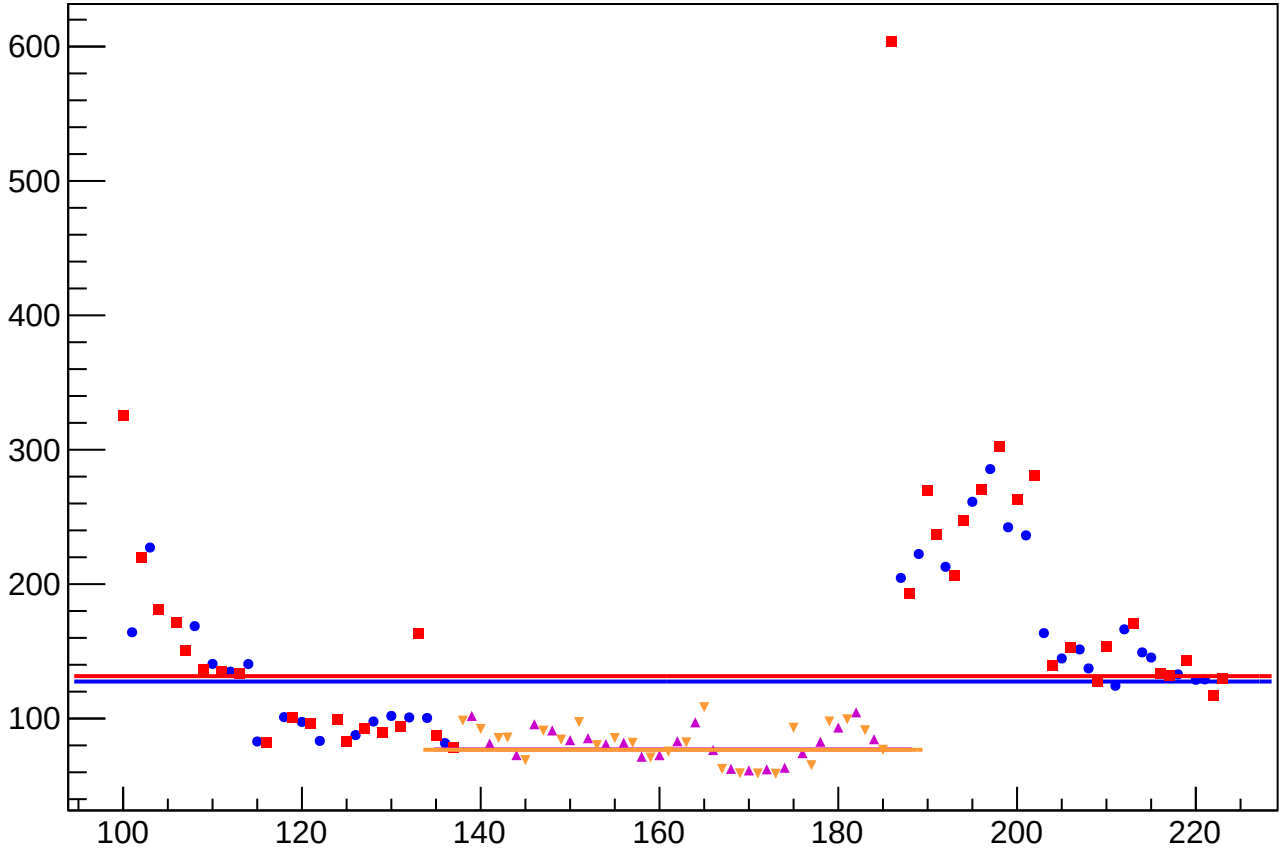
Right: -38.811+/-20.764 χ^2/NDF: 99.5/72

In: 42.435+/-15.592 χ^2/NDF:83.0/56

Out: 26.750+/-15.370 χ^2/NDF:106.4/63

All: 34.480+/-10.946 χ^2/NDF: 189.9/120

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

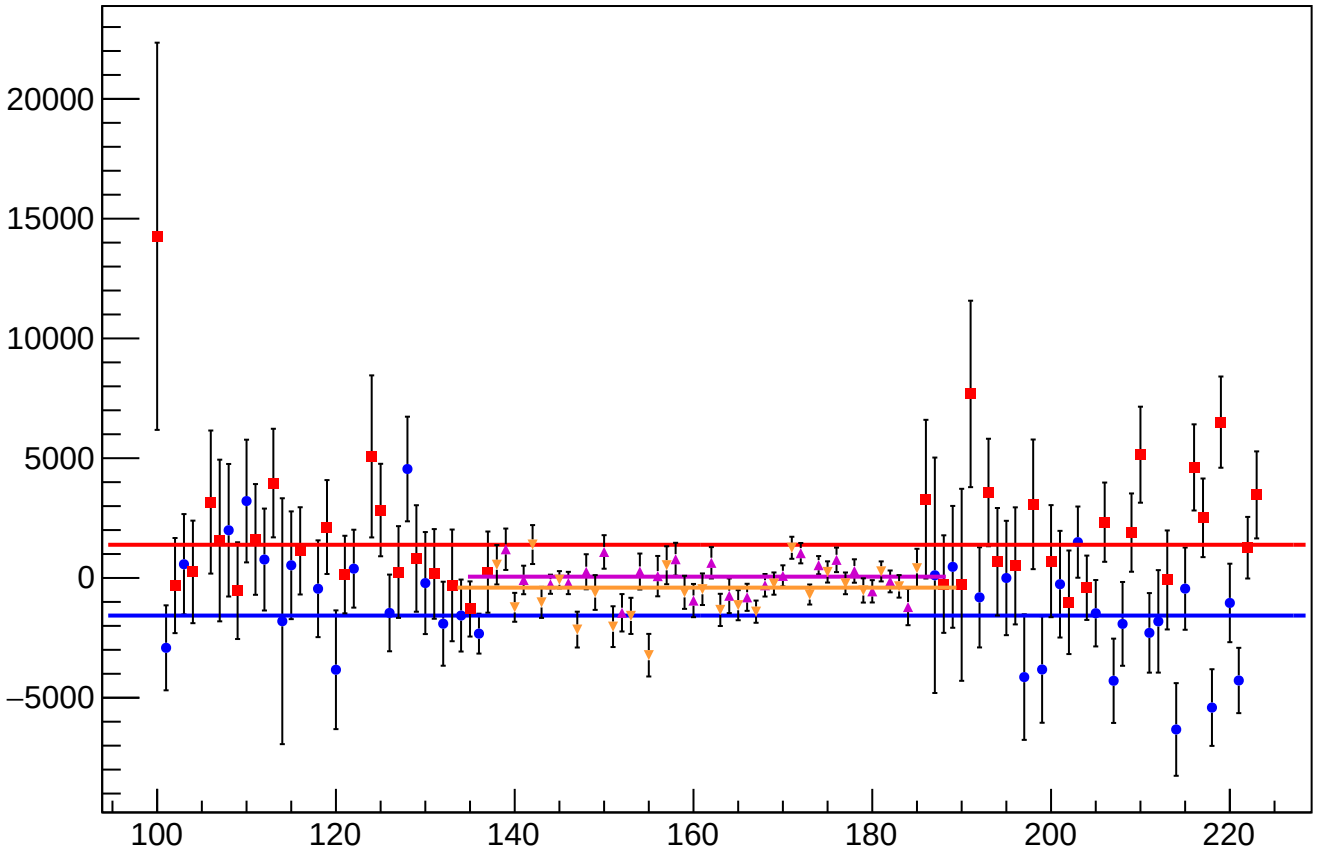
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 129.481+/-0.015 χ^2/NDF: 9931263.6/72

In: 91.635+/-0.011 χ^2/NDF:9488528.0/56

Out: 91.361+/-0.011 χ^2/NDF:11805855.3/63

All: 91.496+/-0.008 χ^2/NDF: 21294696.5/120



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

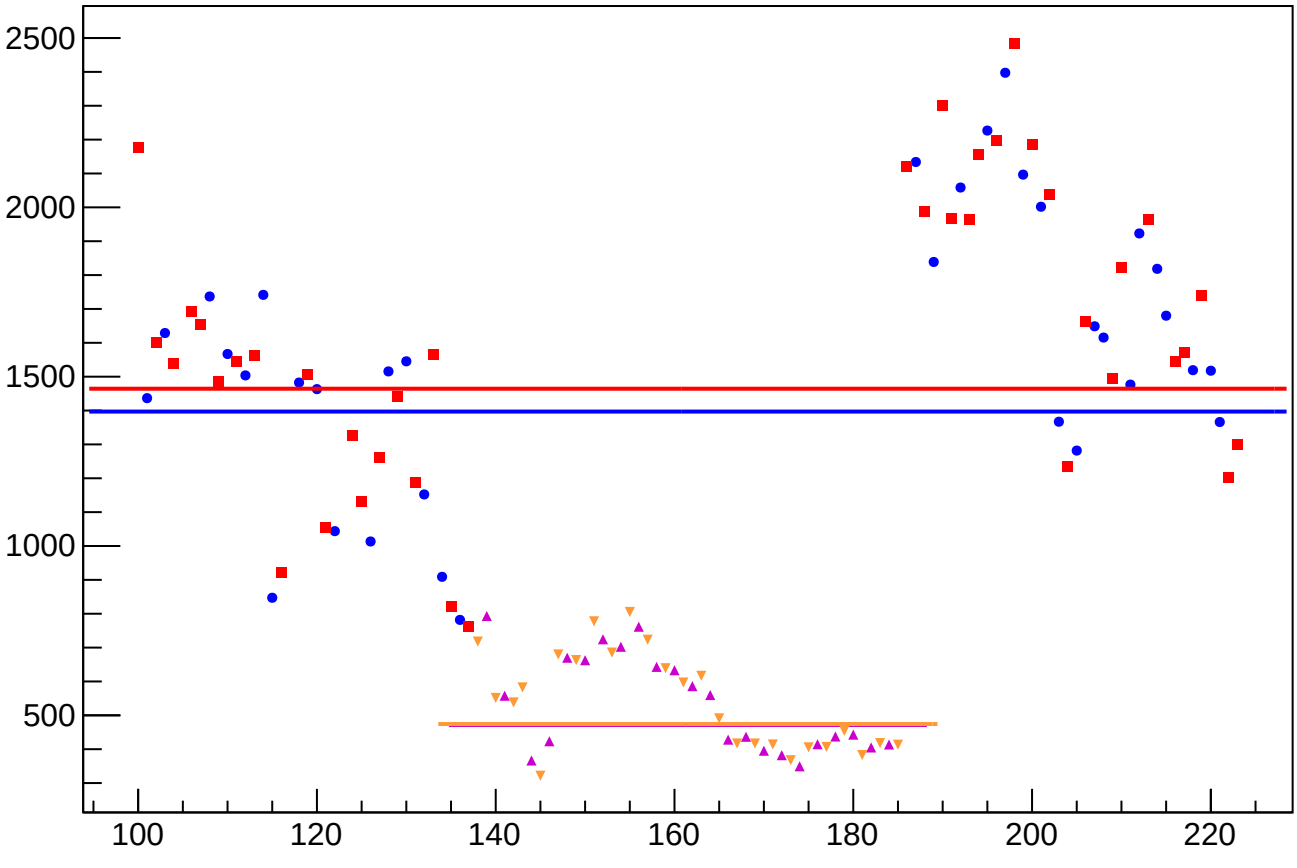
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -128.556+/-222.368 χ^2/NDF: 132.5/72

In: -139.209+/-107.206 χ^2/NDF:102.1/56

Out: -207.124+/-105.466 χ^2/NDF:129.8/63

All: -173.722+/-75.183 χ^2/NDF: 232.2/120



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

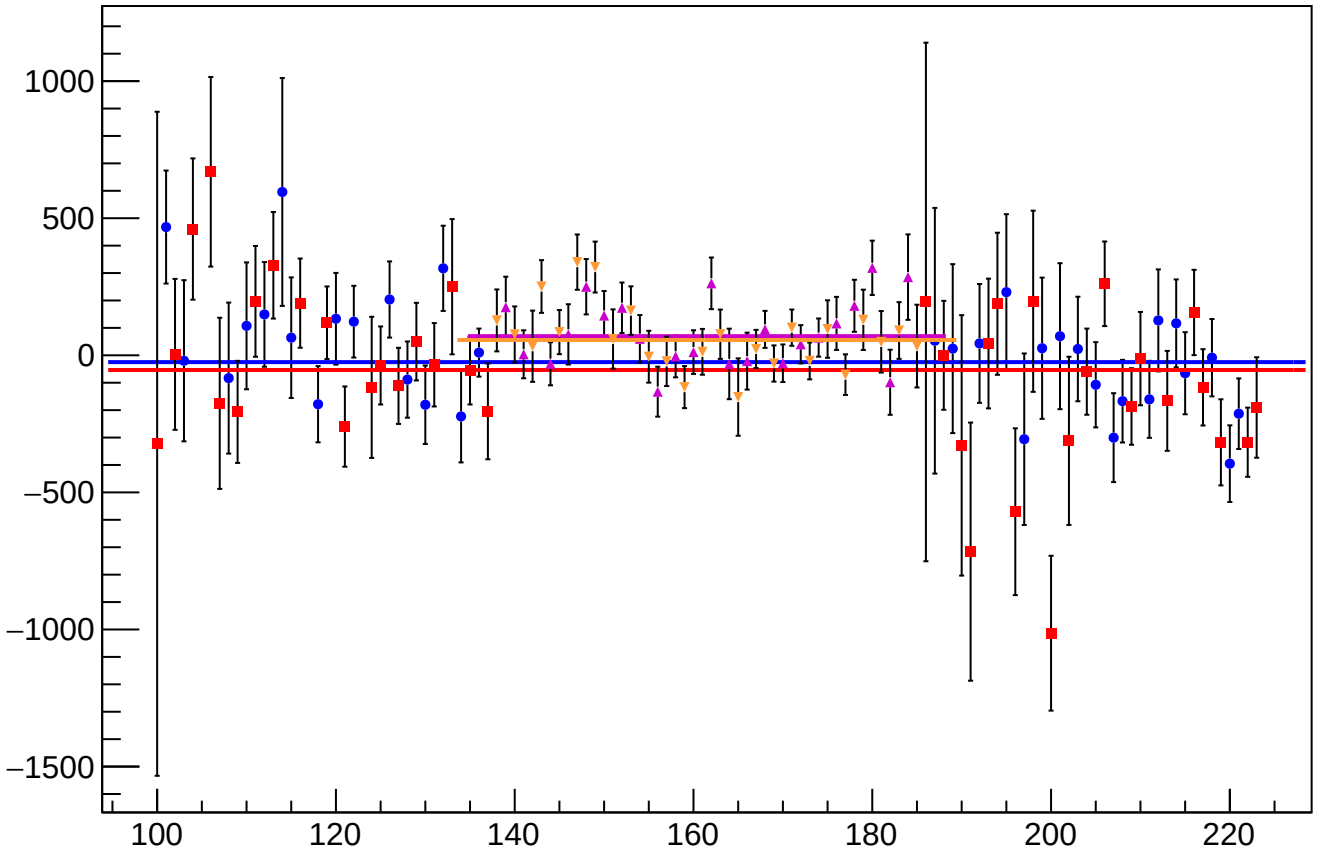
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1429.876+/-0.157 χ^2/NDF: 6680190.9/72

In: 581.687+/-0.076 χ^2/NDF:21186646.6/56

Out: 582.894+/-0.075 χ^2/NDF:23049206.1/63

All: 582.300+/-0.053 χ^2/NDF: 44235981.5/12



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

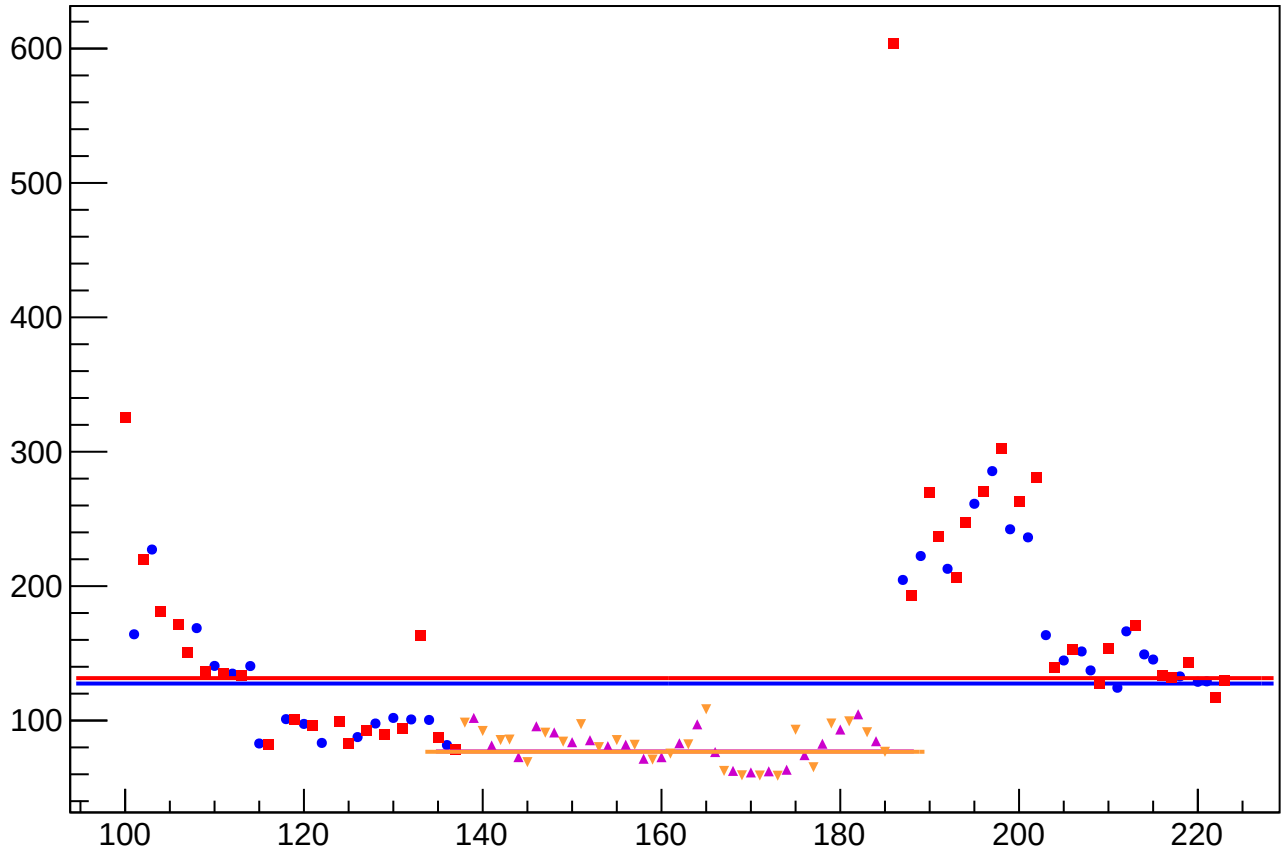
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -38.811+/-20.763 χ^2/NDF: 99.5/72

In: 42.435+/-15.592 χ^2/NDF:83.0/56

Out: 26.749+/-15.370 χ^2/NDF:106.4/63

All: 34.480+/-10.946 χ^2/NDF: 189.9/120



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

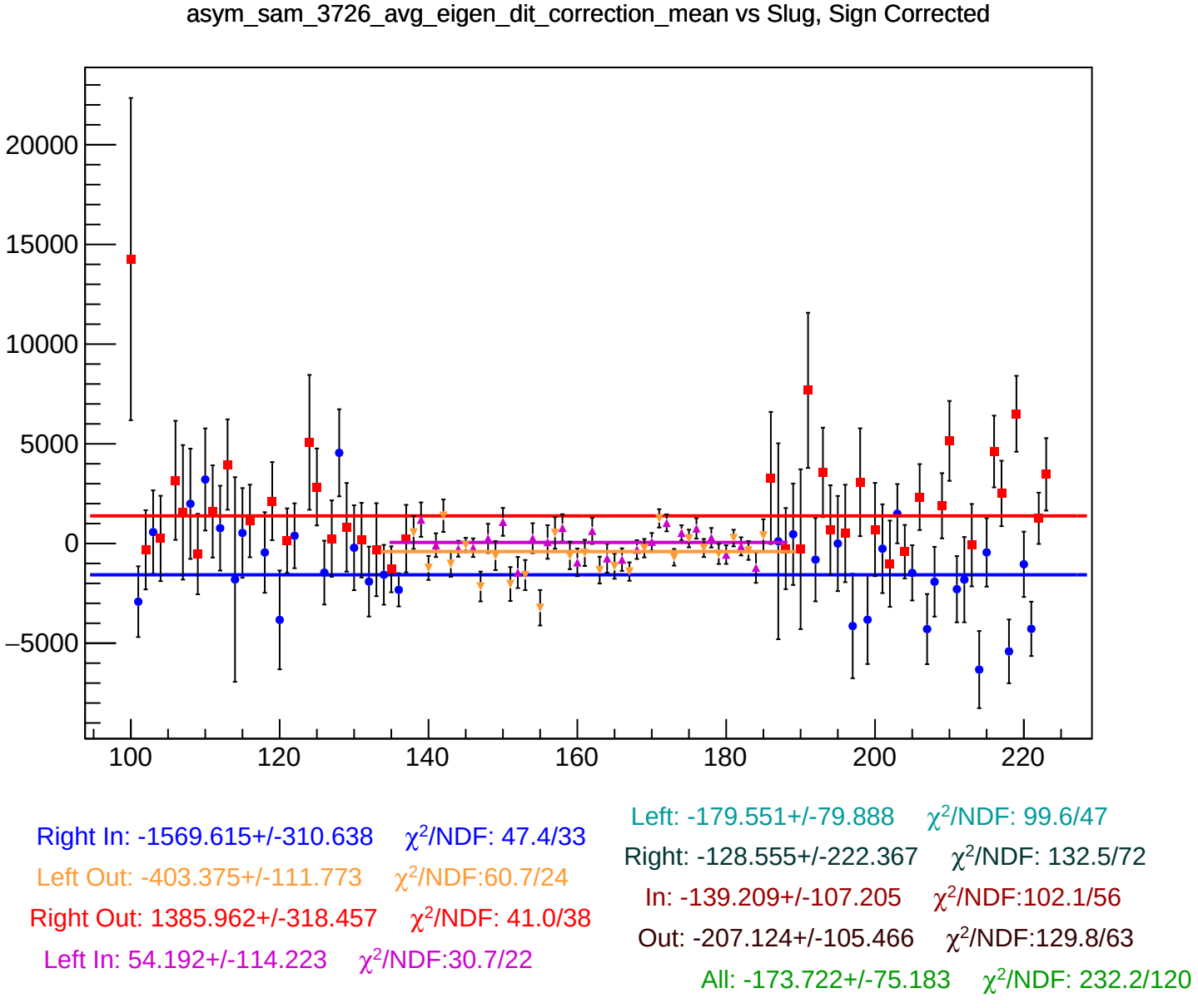
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 129.481+/-0.015 χ^2/NDF: 9931288.8/72

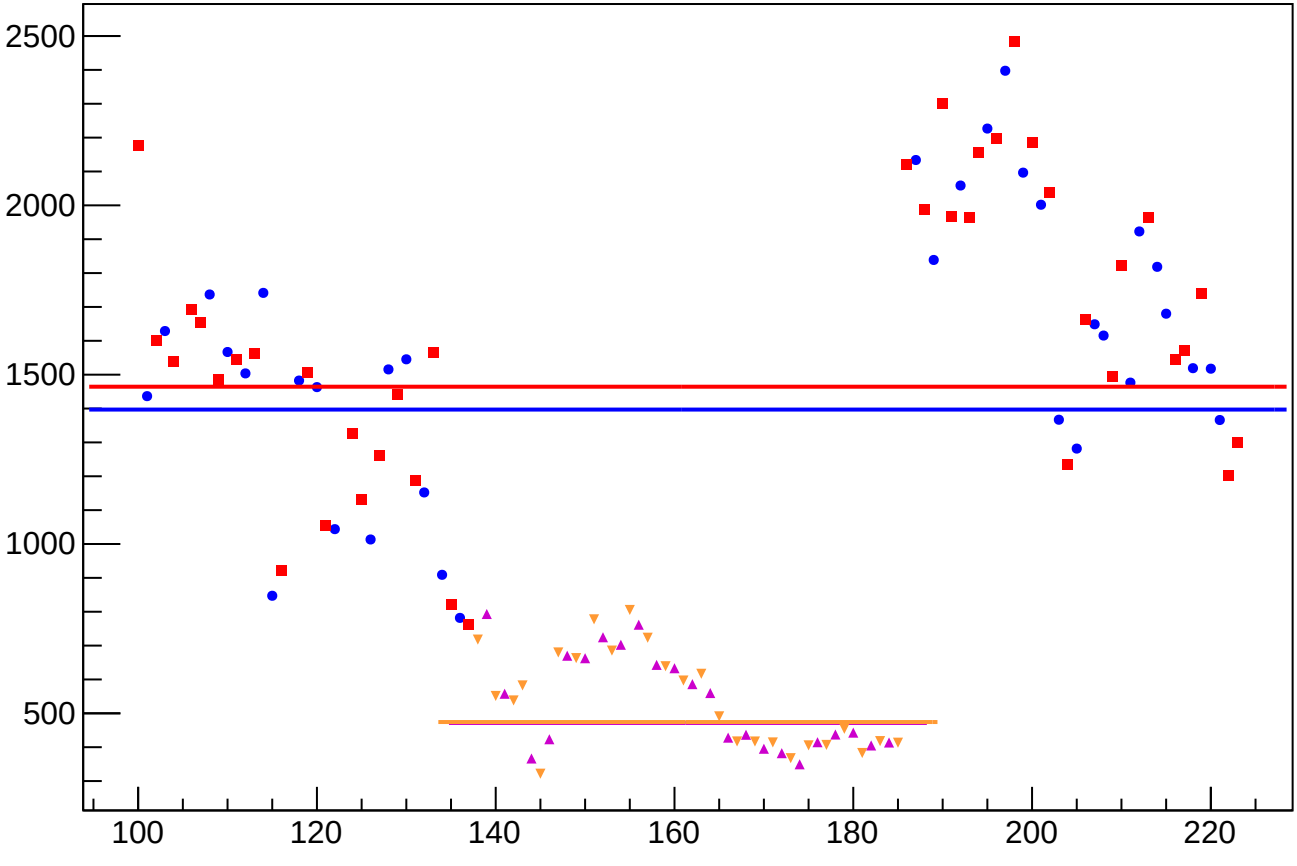
In: 91.635+/-0.011 χ^2/NDF:9488452.8/56

Out: 91.361+/-0.011 χ^2/NDF:11805796.8/63

All: 91.496+/-0.008 χ^2/NDF: 21294563.0/120


asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -1569.615+/-310.638 χ²/NDF: 47.4/33
Left Out: -403.375+/-111.773 χ²/NDF:60.7/24
Right Out: 1385.962+/-318.457 χ²/NDF: 41.0/38
Left In: 54.192+/-114.223 χ²/NDF:30.7/22
Left: -179.551+/-79.888 χ²/NDF: 99.6/47
Right: -128.555+/-222.367 χ²/NDF: 132.5/72
In: -139.209+/-107.205 χ²/NDF:102.1/56
Out: -207.124+/-105.466 χ²/NDF:129.8/63
All: -173.722+/-75.183 χ²/NDF: 232.2/120

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

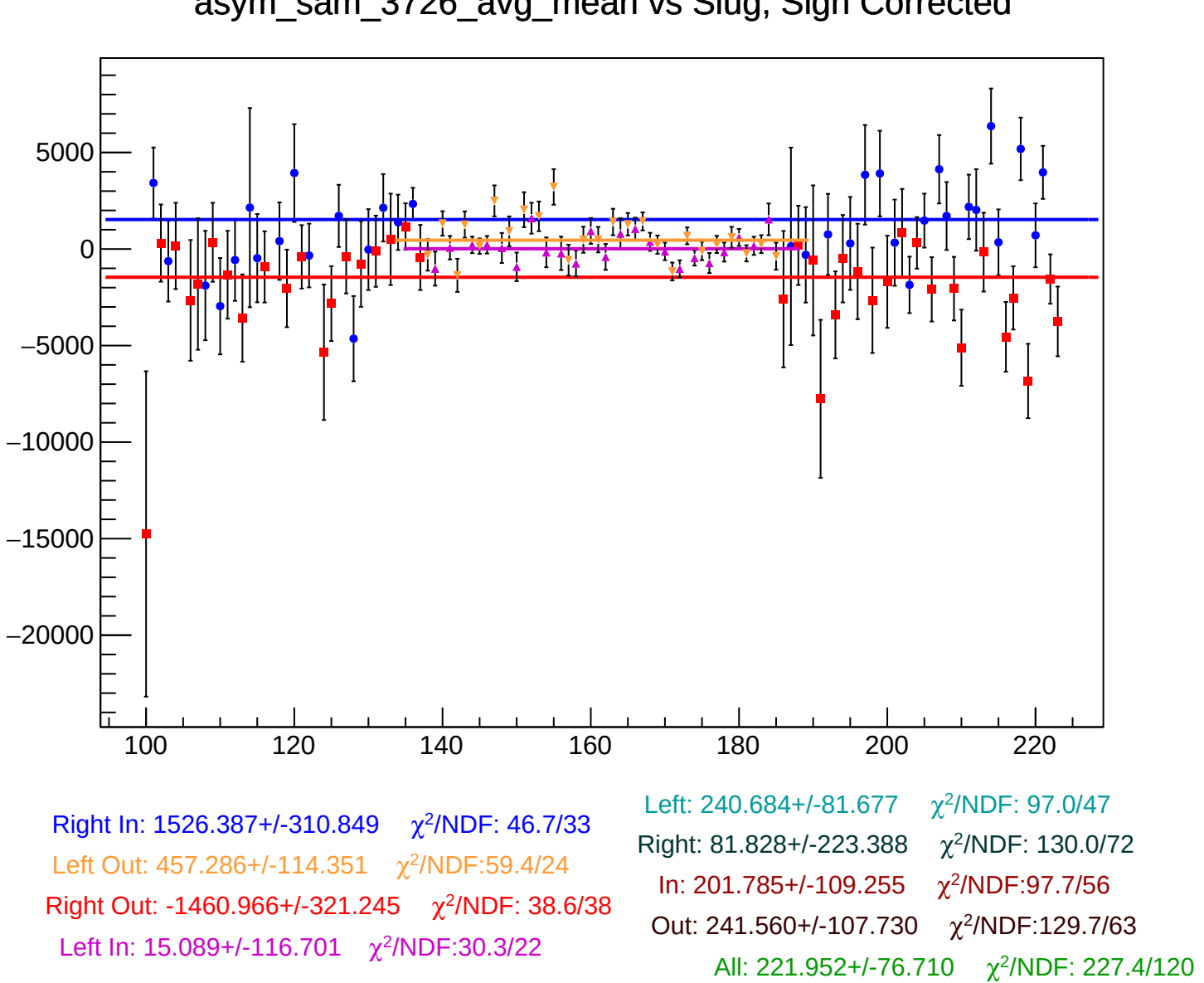
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1429.875+/-0.157 χ^2/NDF: 6680177.9/72

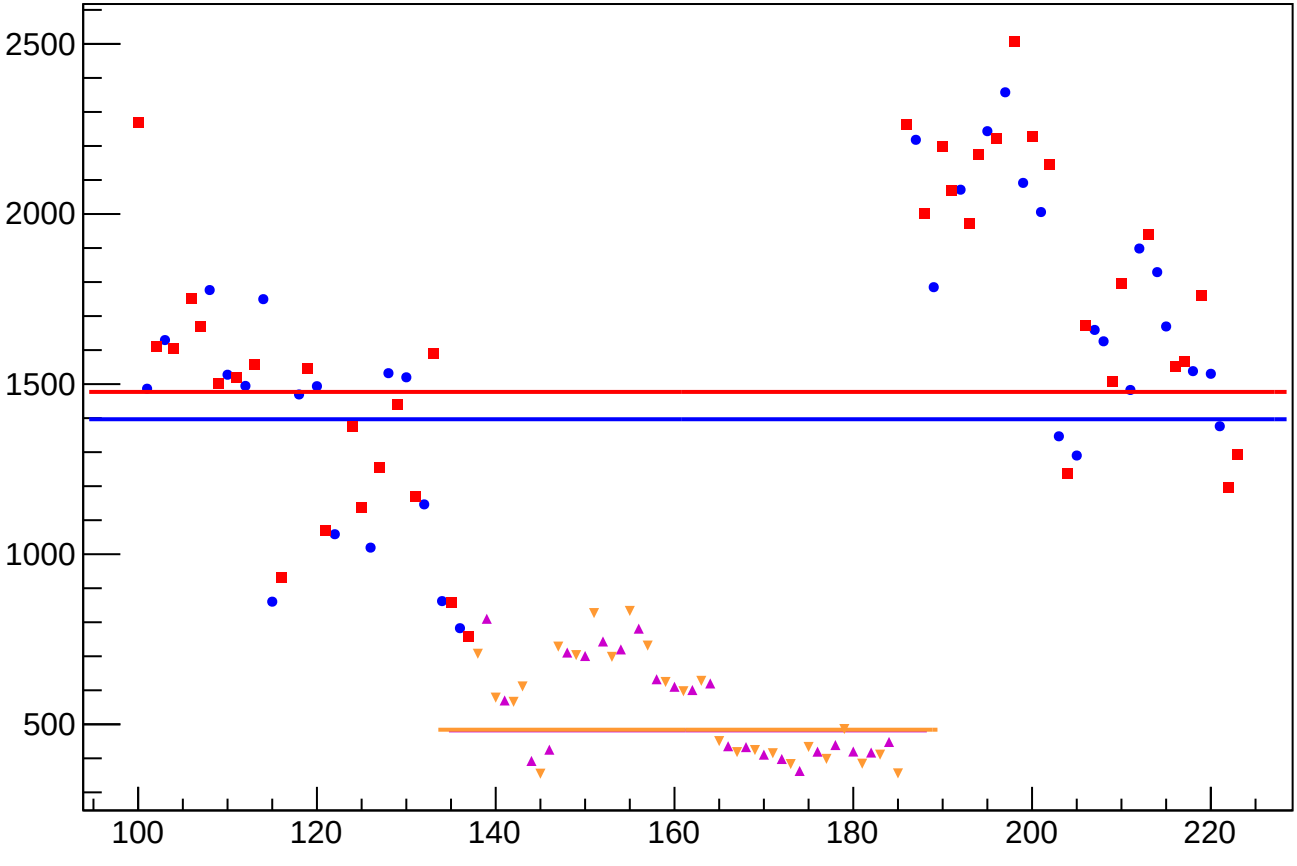
In: 581.687+/-0.076 χ^2/NDF:21186632.3/56

Out: 582.894+/-0.075 χ^2/NDF:23049207.3/63

All: 582.300+/-0.053 χ^2/NDF: 44235968.4/12


asym_sam_3726_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: 1526.387+/-310.849 χ²/NDF: 46.7/33
Left Out: 457.286+/-114.351 χ²/NDF:59.4/24
Right Out: -1460.966+/-321.245 χ²/NDF: 38.6/38
Left In: 15.089+/-116.701 χ²/NDF:30.3/22
Left: 240.684+/-81.677 χ²/NDF: 97.0/47
Right: 81.828+/-223.388 χ²/NDF: 130.0/72
In: 201.785+/-109.255 χ²/NDF:97.7/56
Out: 241.560+/-107.730 χ²/NDF:129.7/63
All: 221.952+/-76.710 χ²/NDF: 227.4/120

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

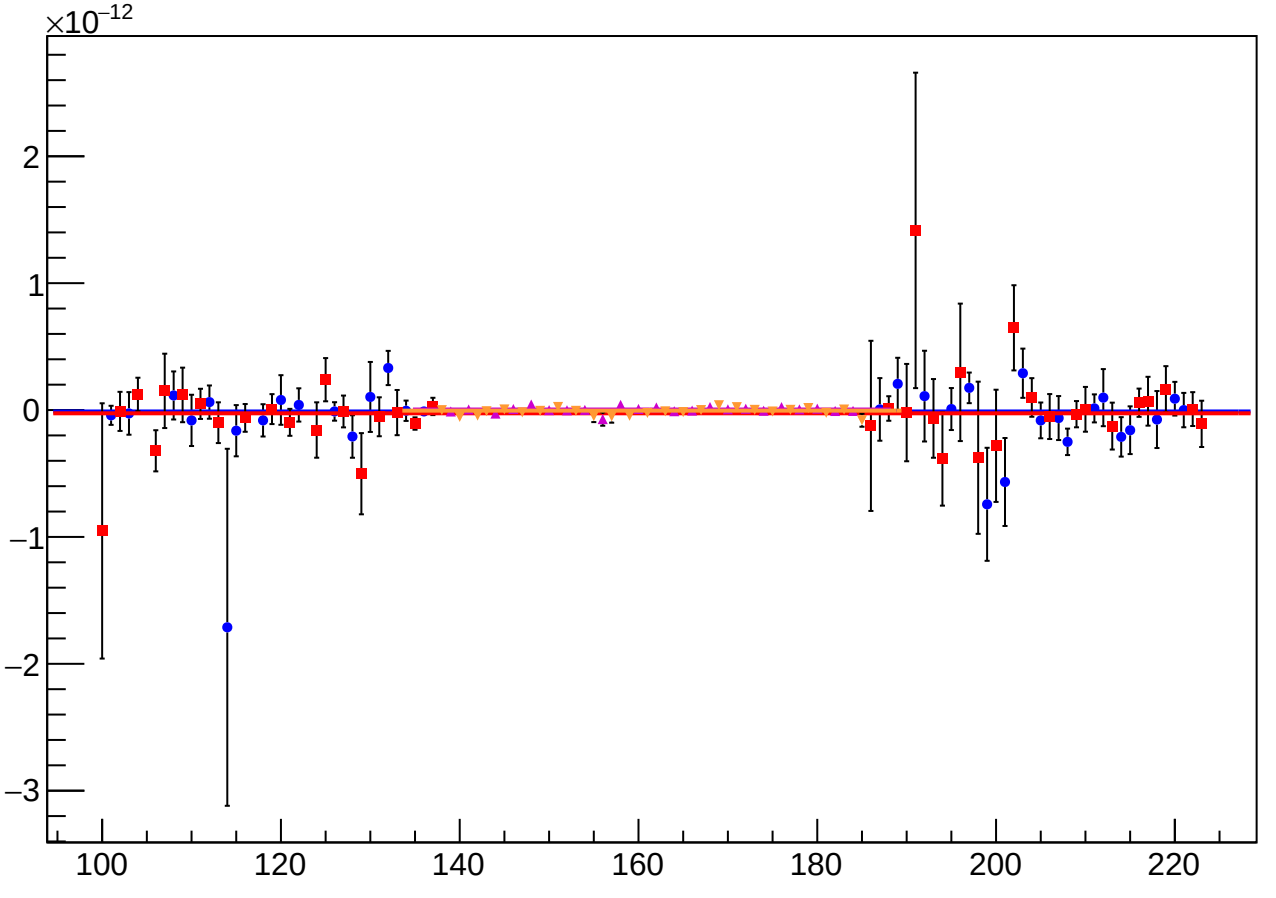
Right: 1435.585+/-0.158 χ^2/NDF: 6726190.1/72

In: 595.141+/-0.077 χ^2/NDF:20738740.0/56

Out: 595.794+/-0.076 χ^2/NDF:22791145.9/63

All: 595.472+/-0.054 χ^2/NDF: 43529922.1/12

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/38

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

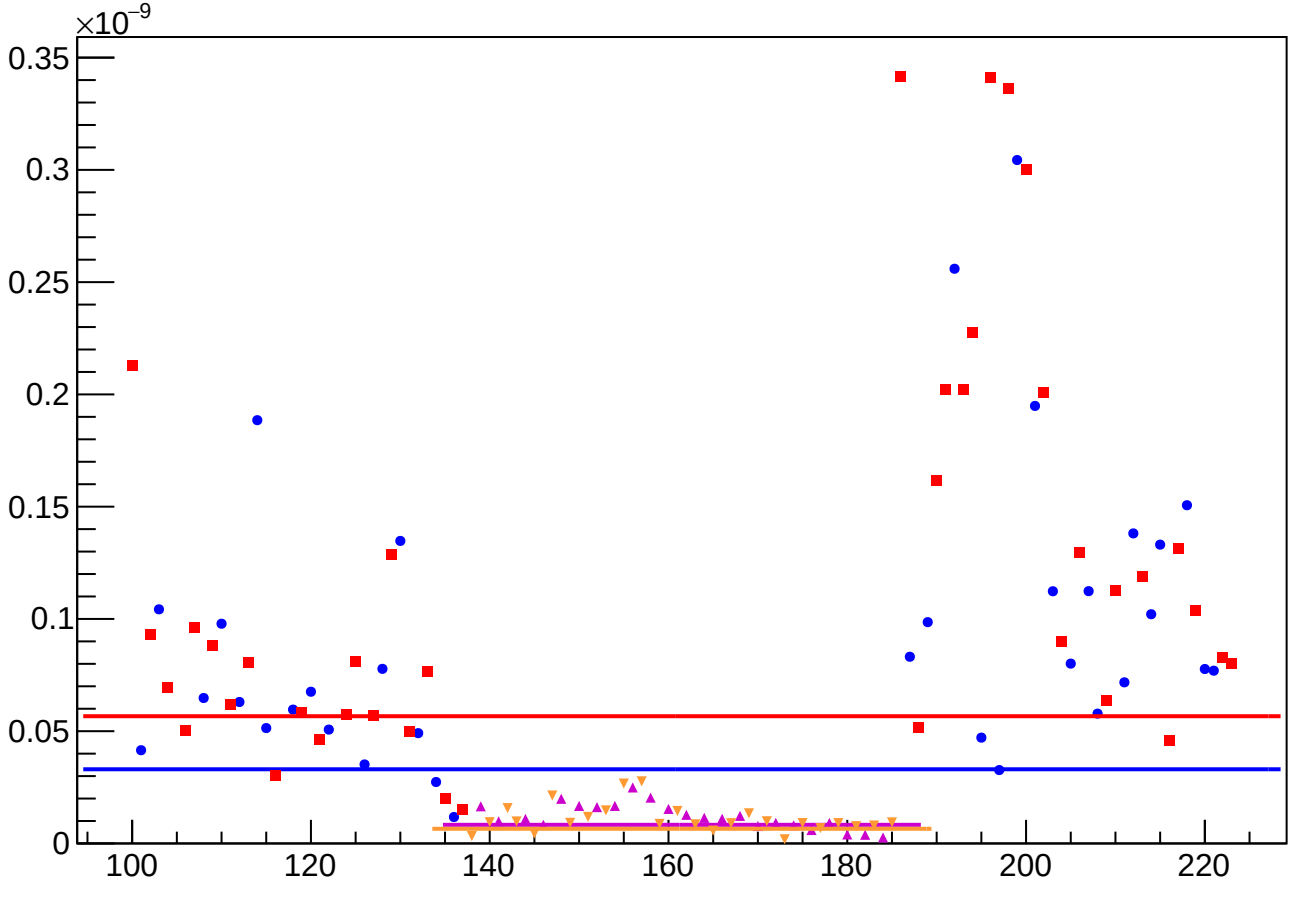
Right: -0.000+/-0.000 χ^2/NDF: 58.9/72

In: 0.000+/-0.000 χ^2/NDF:47.8/56

Out: -0.000+/-0.000 χ^2/NDF:58.6/63

All: -0.000+/-0.000 χ^2/NDF: 109.4/120

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

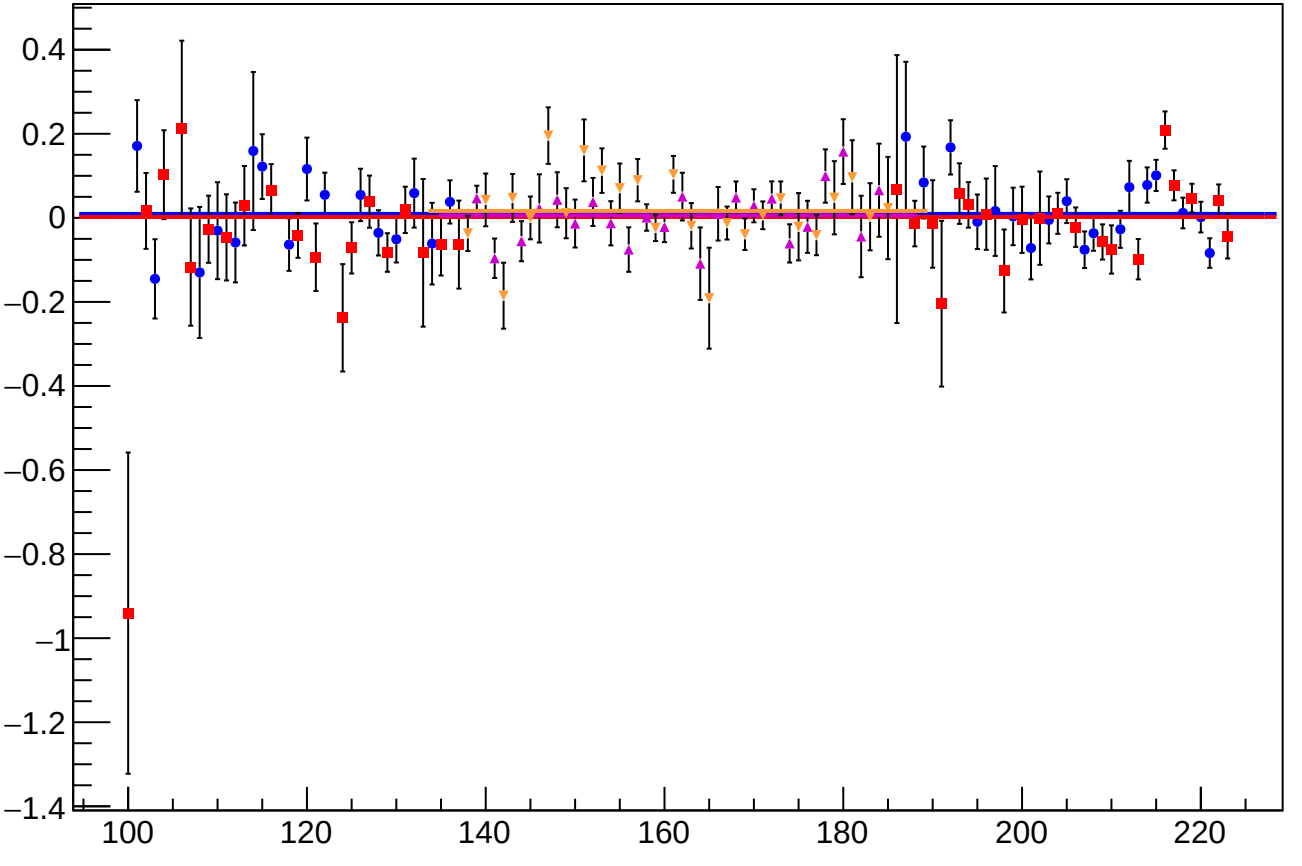
Right: 0.000+/-0.000 χ^2/NDF: 18327423.5/72

In: 0.000+/-0.000 χ^2/NDF:16982407.3/56

Out: 0.000+/-0.000 χ^2/NDF:20764599.6/63

All: 0.000+/-0.000 χ^2/NDF: 38137356.4/120

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

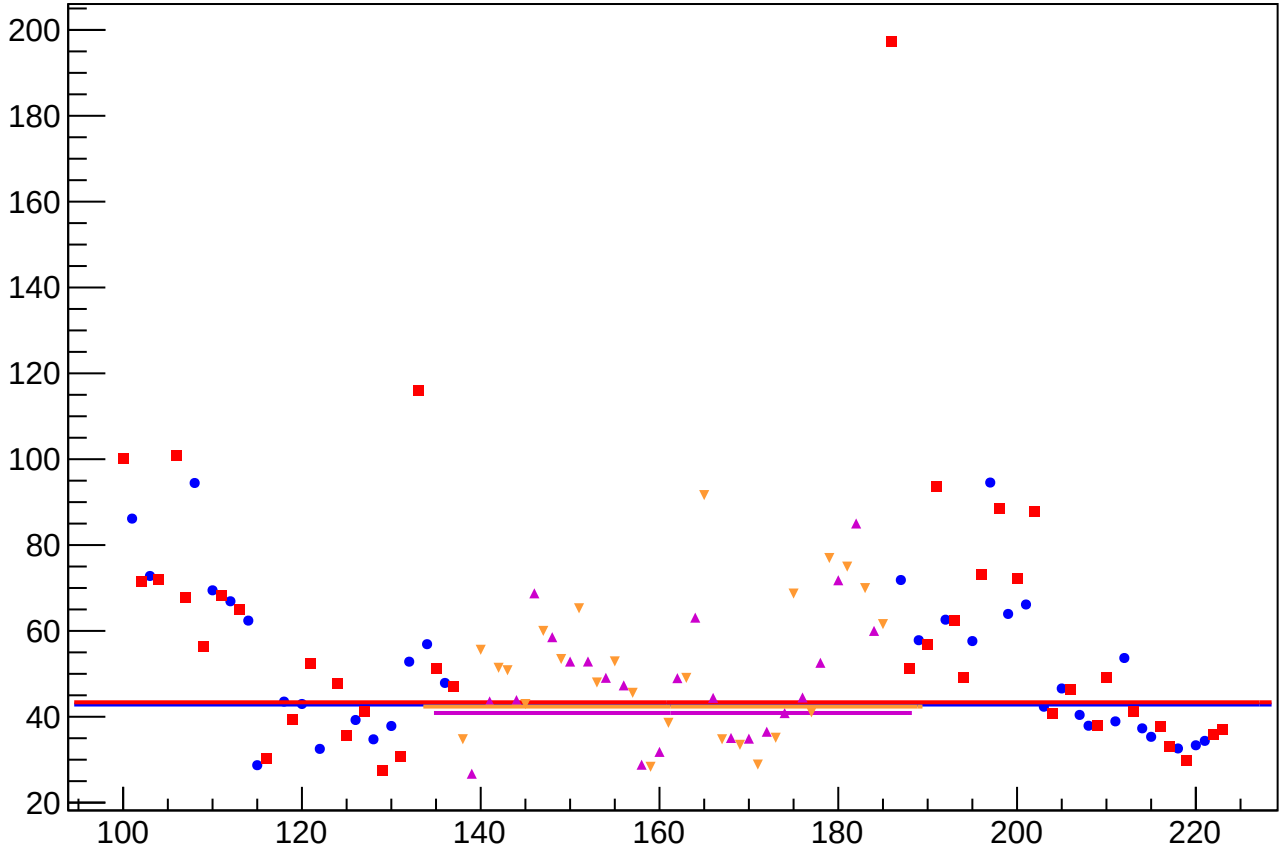
Right: 0.006+/-0.007 χ^2/NDF: 113.8/72

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.009+/-0.007 χ^2/NDF:106.6/63

All: 0.008+/-0.005 χ^2/NDF: 181.6/120

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

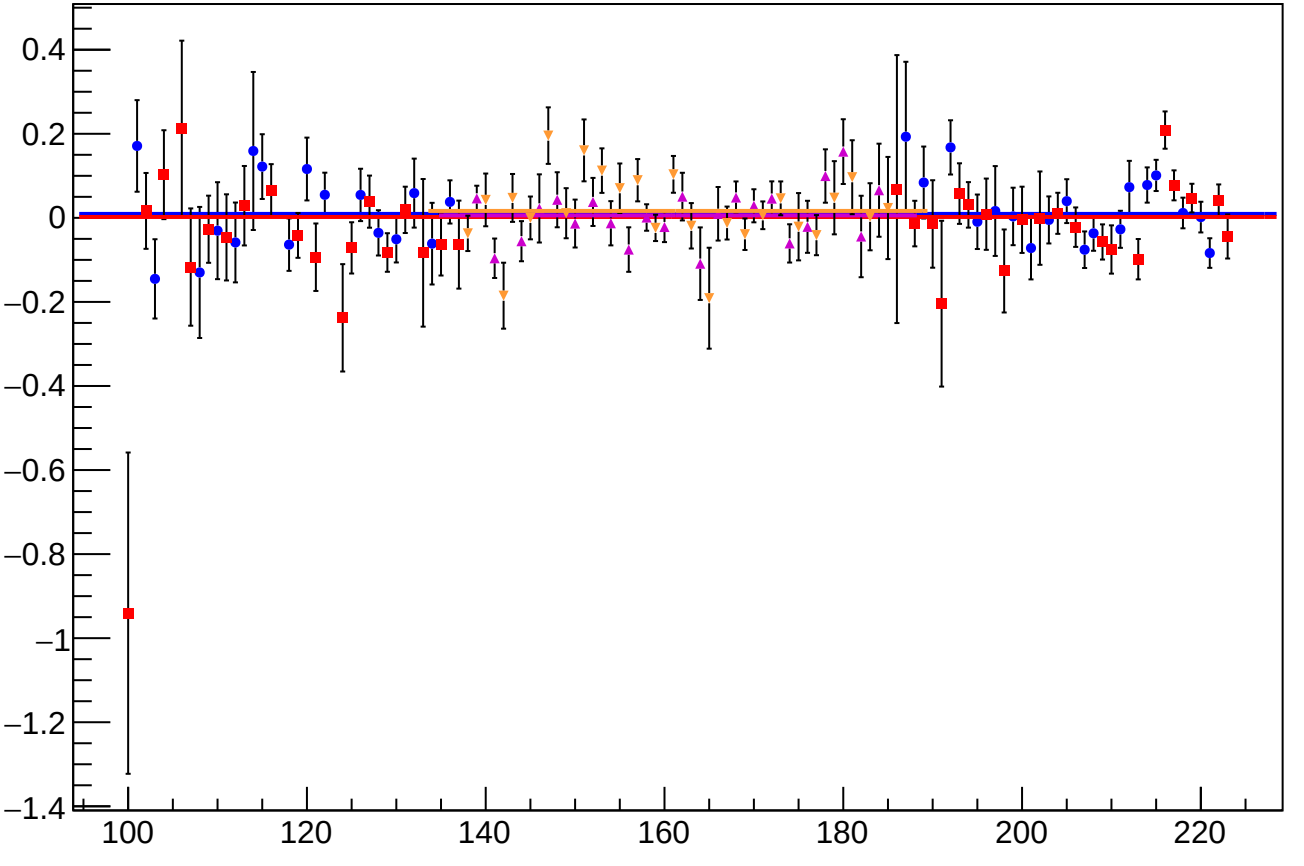
Right: 43.106+/-0.005 χ^2/NDF: 7724358.7/72

In: 41.905+/-0.005 χ^2/NDF:5918915.4/56

Out: 42.889+/-0.005 χ^2/NDF:7719672.5/63

All: 42.392+/-0.004 χ^2/NDF: 13657474.5/120

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

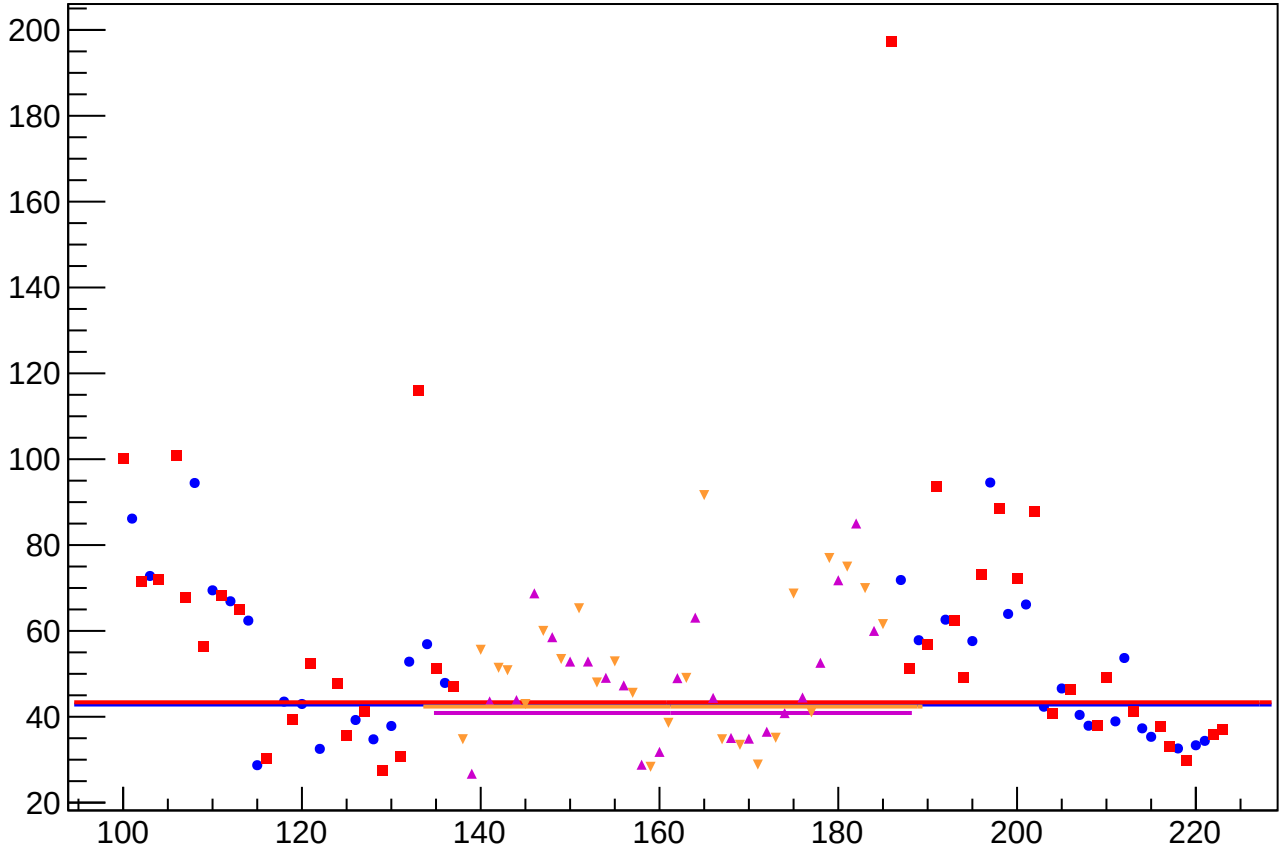
Right: 0.006+/-0.007 χ^2/NDF: 113.8/72

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.009+/-0.007 χ^2/NDF:106.6/63

All: 0.008+/-0.005 χ^2/NDF: 181.6/120

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

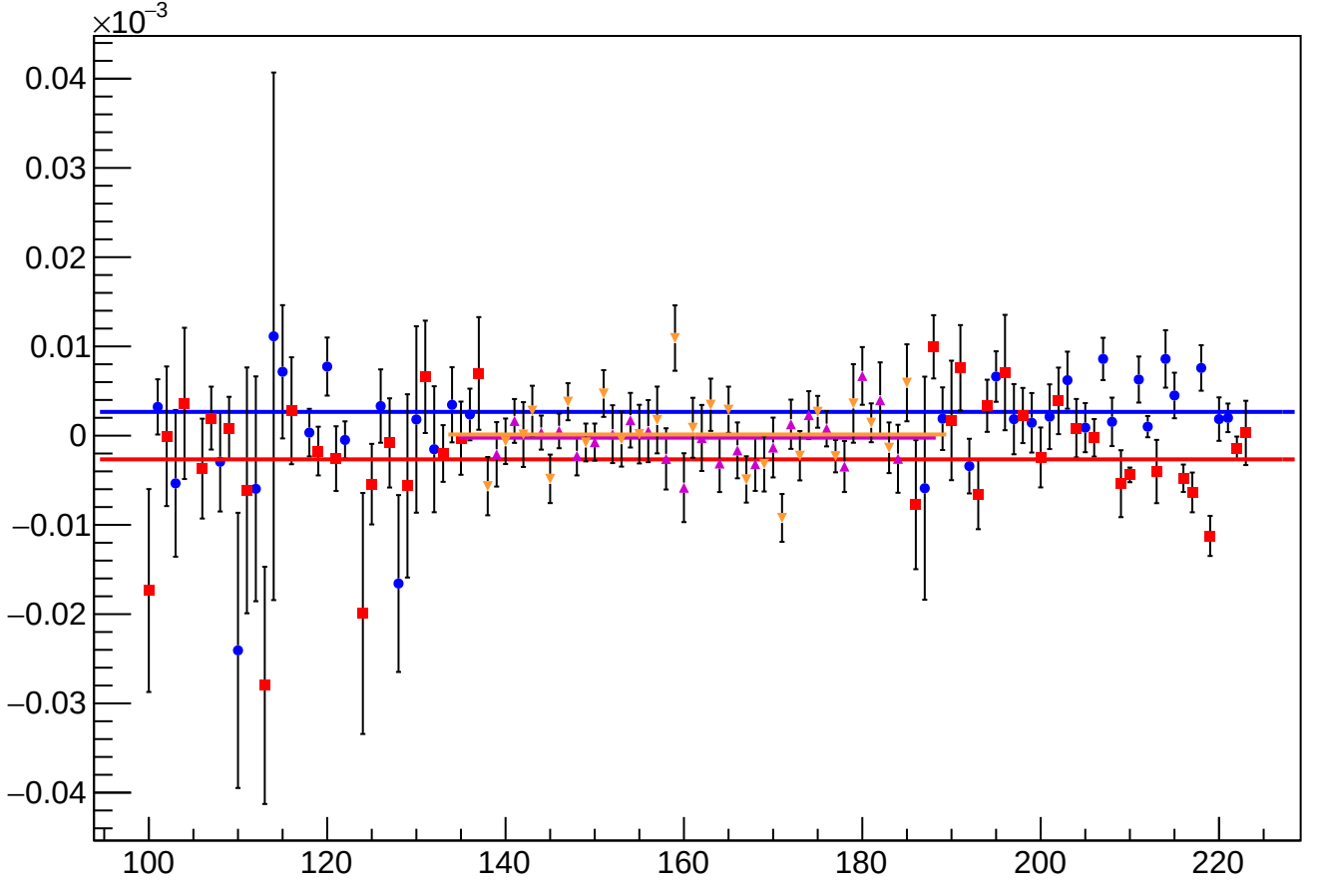
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 43.106+/-0.005 χ^2/NDF: 7724358.7/72

In: 41.905+/-0.005 χ^2/NDF:5918915.4/56

Out: 42.889+/-0.005 χ^2/NDF:7719672.5/63

All: 42.392+/-0.004 χ^2/NDF: 13657474.5/120



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

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

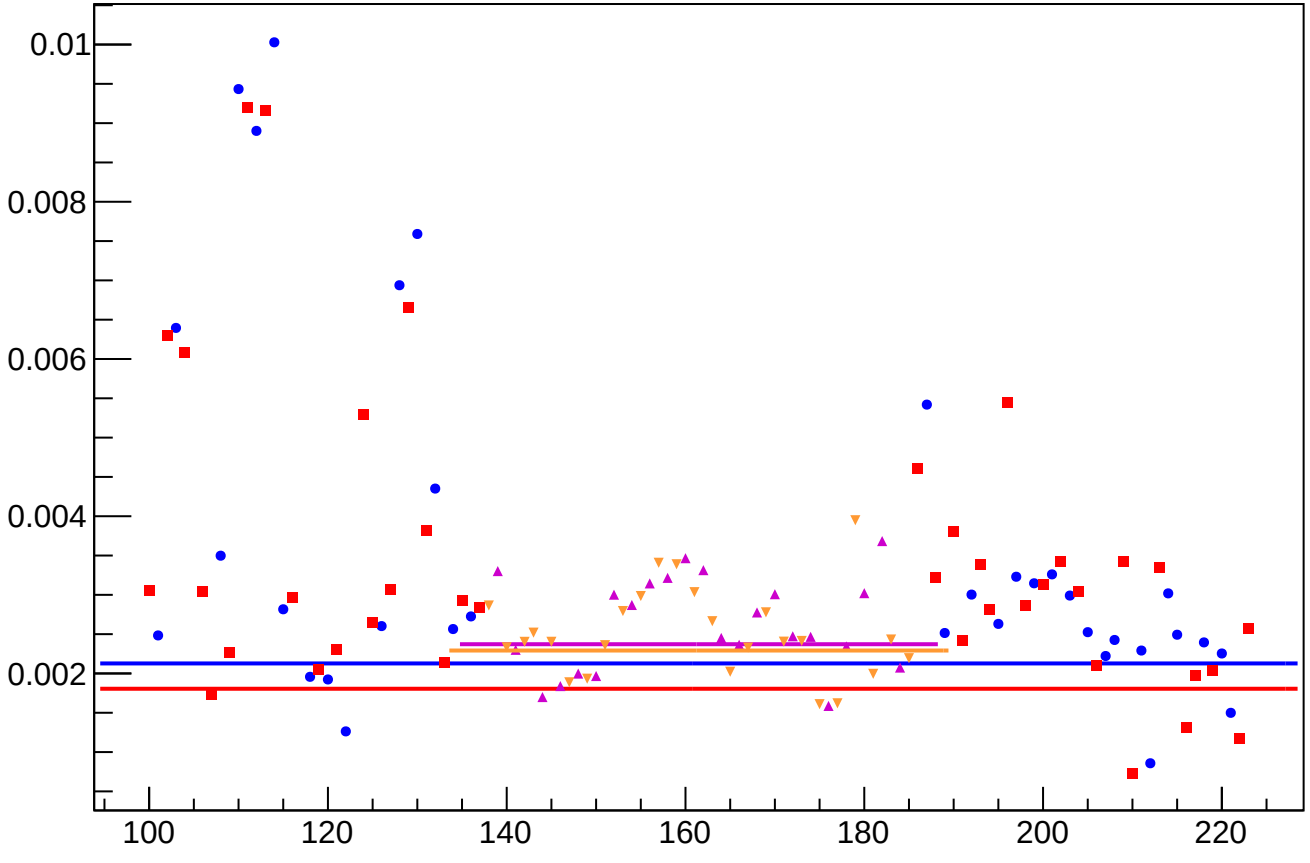
Right: -0.000+/-0.000 χ^2/NDF: 179.5/72

In: 0.000+/-0.000 χ^2/NDF:72.0/56

Out: -0.000+/-0.000 χ^2/NDF:142.3/63

All: -0.000+/-0.000 χ^2/NDF: 245.7/120

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

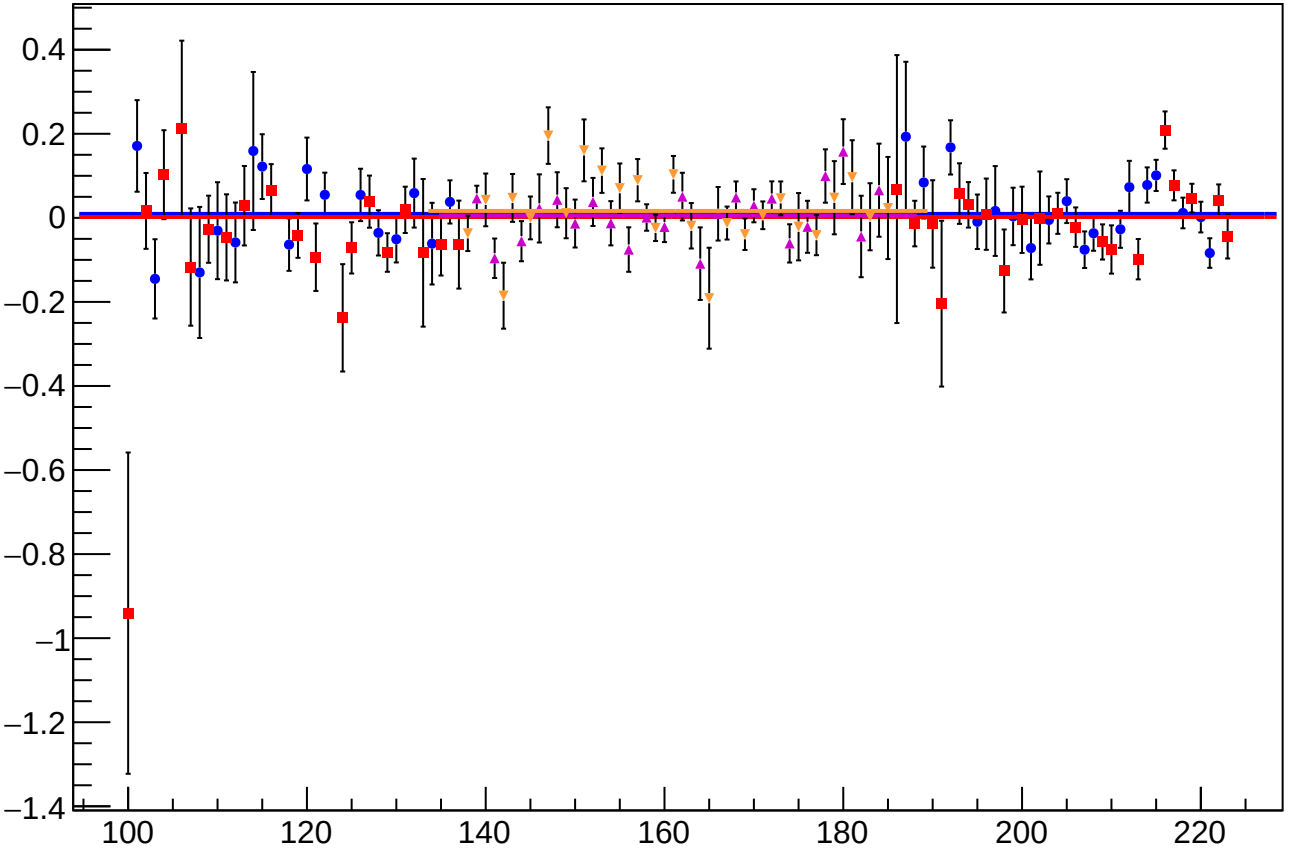
Right: 0.002+/-0.000 χ^2/NDF: 20167161.9/72

In: 0.002+/-0.000 χ^2/NDF:9779453.4/56

Out: 0.002+/-0.000 χ^2/NDF:14942169.0/63

All: 0.002+/-0.000 χ^2/NDF: 25110379.6/120

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

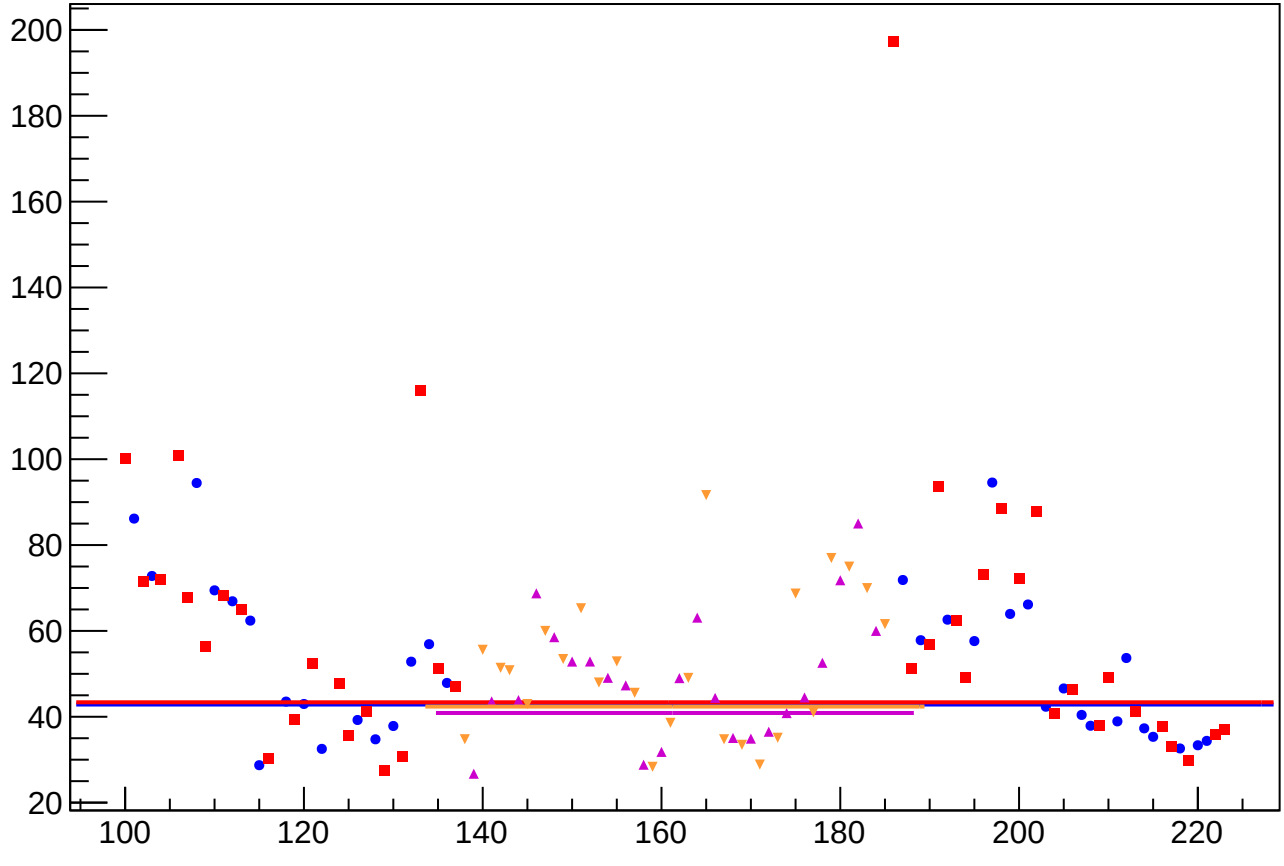
Right: 0.006+/-0.007 χ^2/NDF: 113.8/72

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.009+/-0.007 χ^2/NDF:106.6/63

All: 0.008+/-0.005 χ^2/NDF: 181.6/120

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

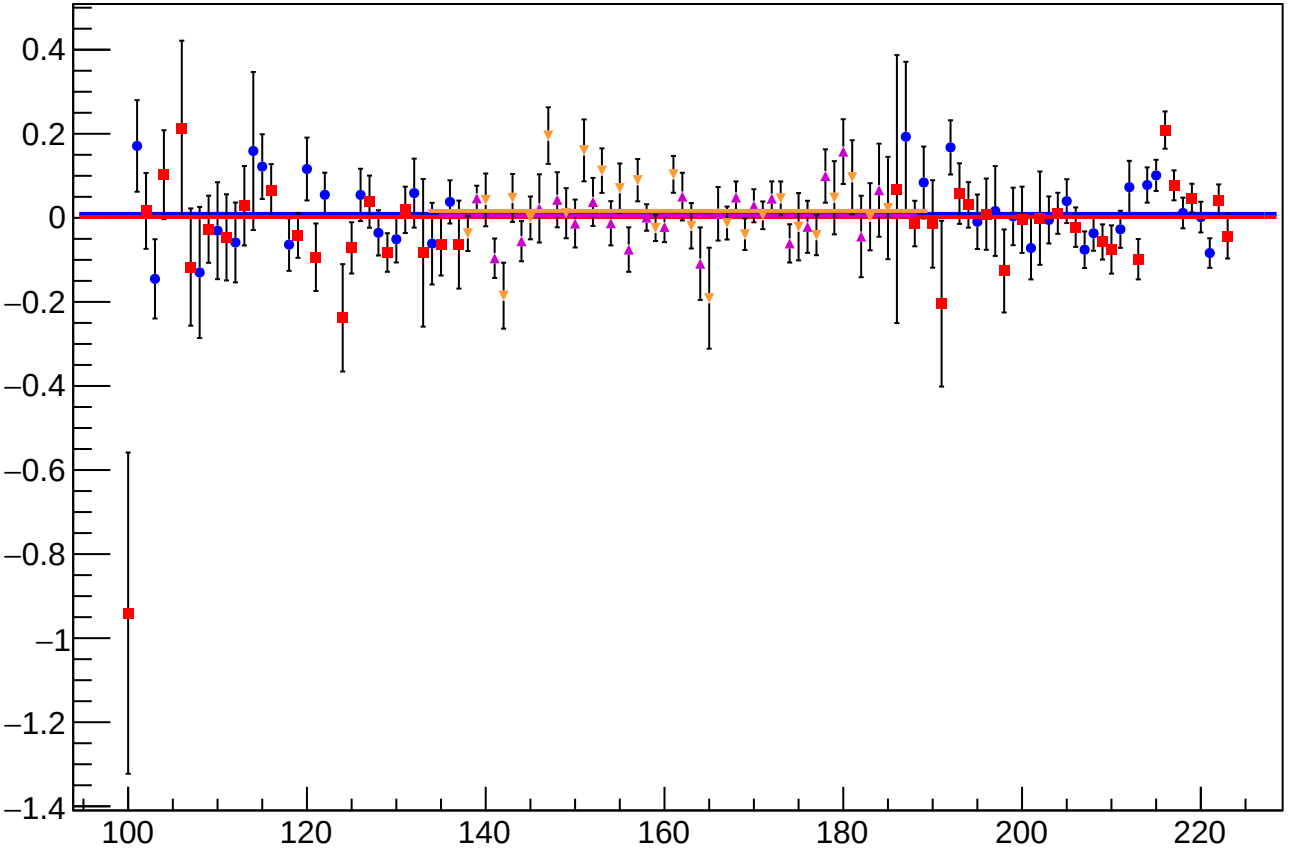
Right: 43.106+/-0.005 χ^2/NDF: 7724249.9/72

In: 41.905+/-0.005 χ^2/NDF:5918859.0/56

Out: 42.889+/-0.005 χ^2/NDF:7719647.4/63

All: 42.392+/-0.004 χ^2/NDF: 13657390.2/120

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

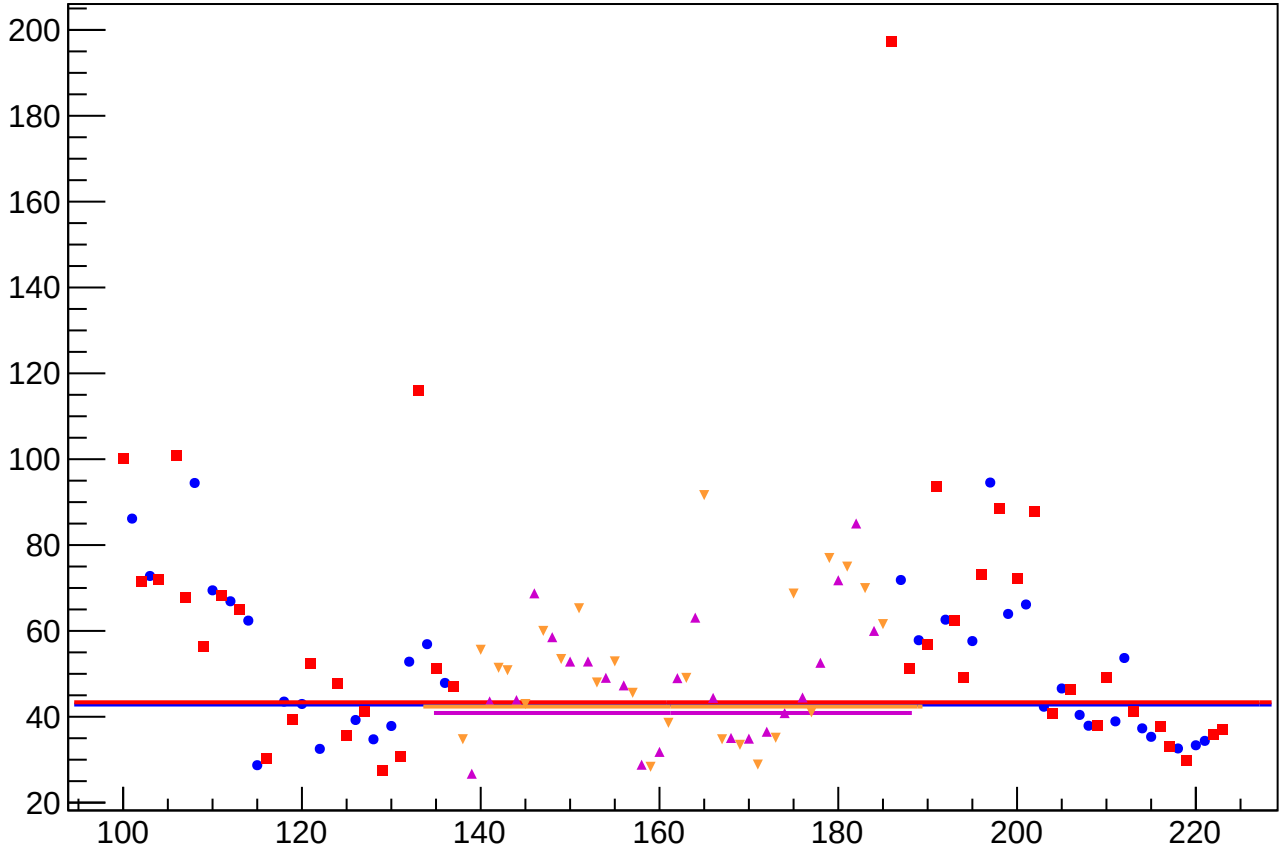
Right: 0.006+/-0.007 χ^2/NDF: 113.8/72

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.009+/-0.007 χ^2/NDF:106.6/63

All: 0.008+/-0.005 χ^2/NDF: 181.6/120

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

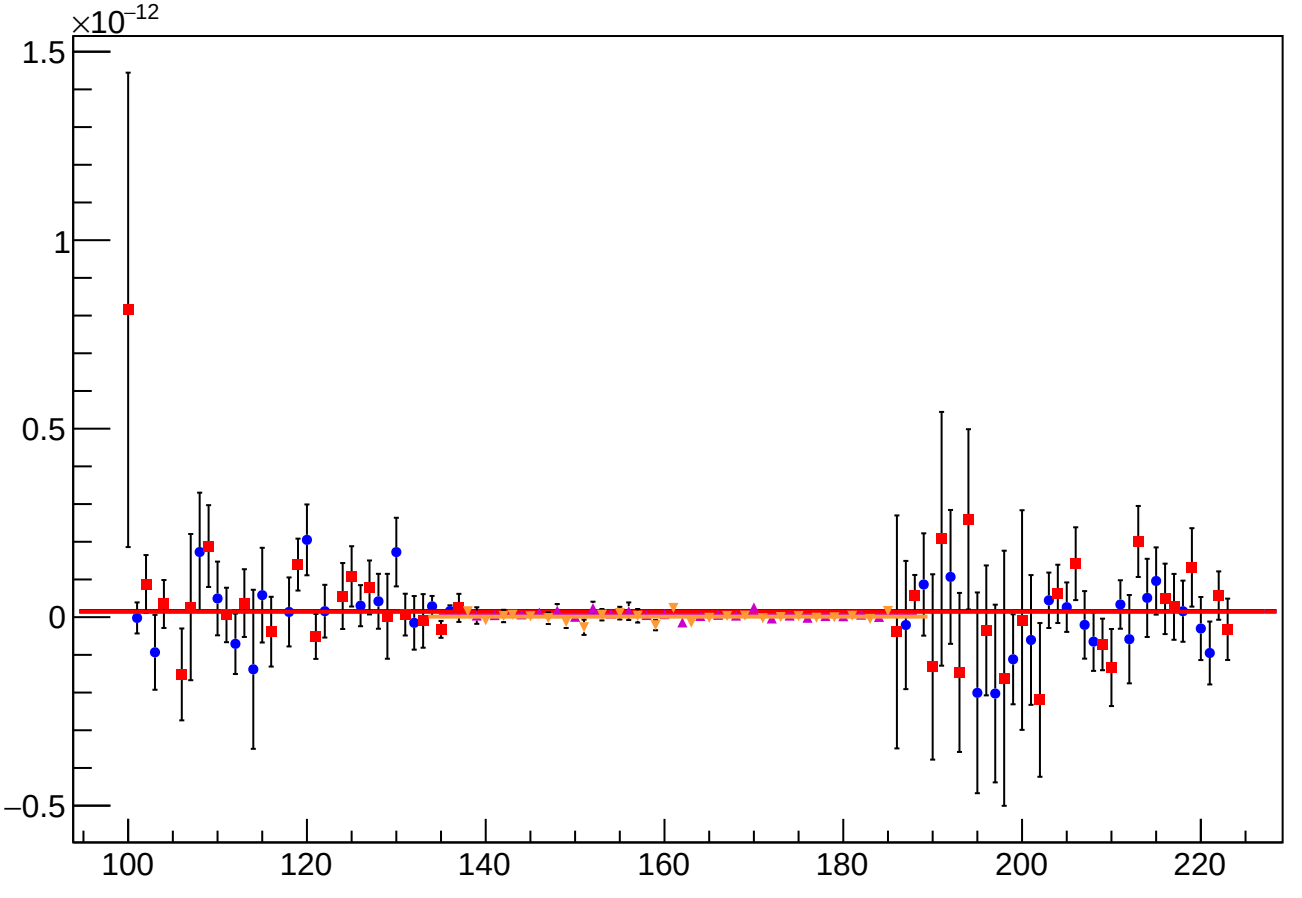
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 43.106+/-0.005 χ^2/NDF: 7724249.9/72

In: 41.905+/-0.005 χ^2/NDF:5918859.0/56

Out: 42.889+/-0.005 χ^2/NDF:7719647.4/63

All: 42.392+/-0.004 χ^2/NDF: 13657390.2/120



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

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

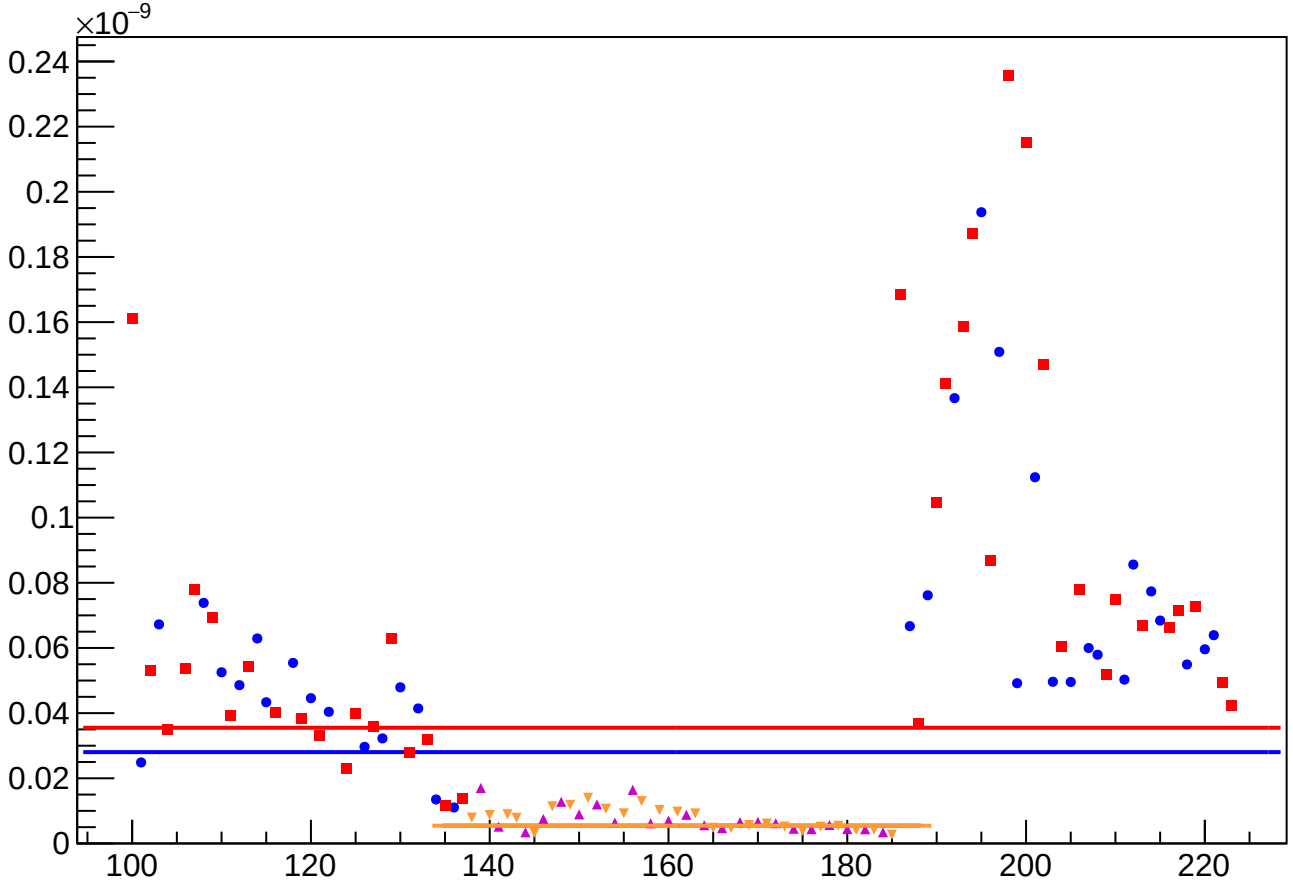
Right: 0.000+/-0.000 χ^2/NDF: 55.9/72

In: 0.000+/-0.000 χ^2/NDF:34.6/56

Out: 0.000+/-0.000 χ^2/NDF:56.4/63

All: 0.000+/-0.000 χ^2/NDF: 93.4/120

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

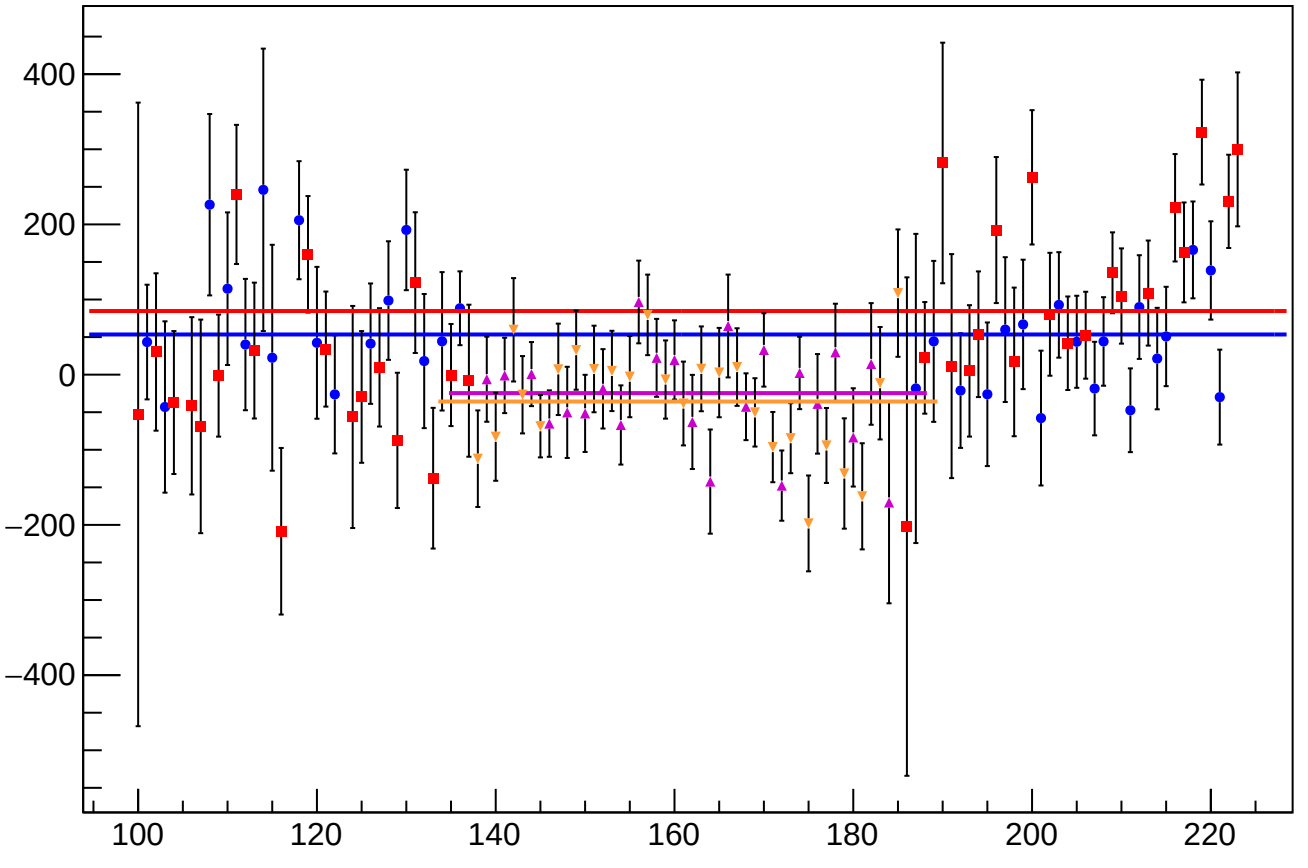
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 21566960.8/72

In: 0.000+/-0.000 χ^2/NDF:23332844.1/56

Out: 0.000+/-0.000 χ^2/NDF:26963713.7/63

All: 0.000+/-0.000 χ^2/NDF: 50299238.4/120



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

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

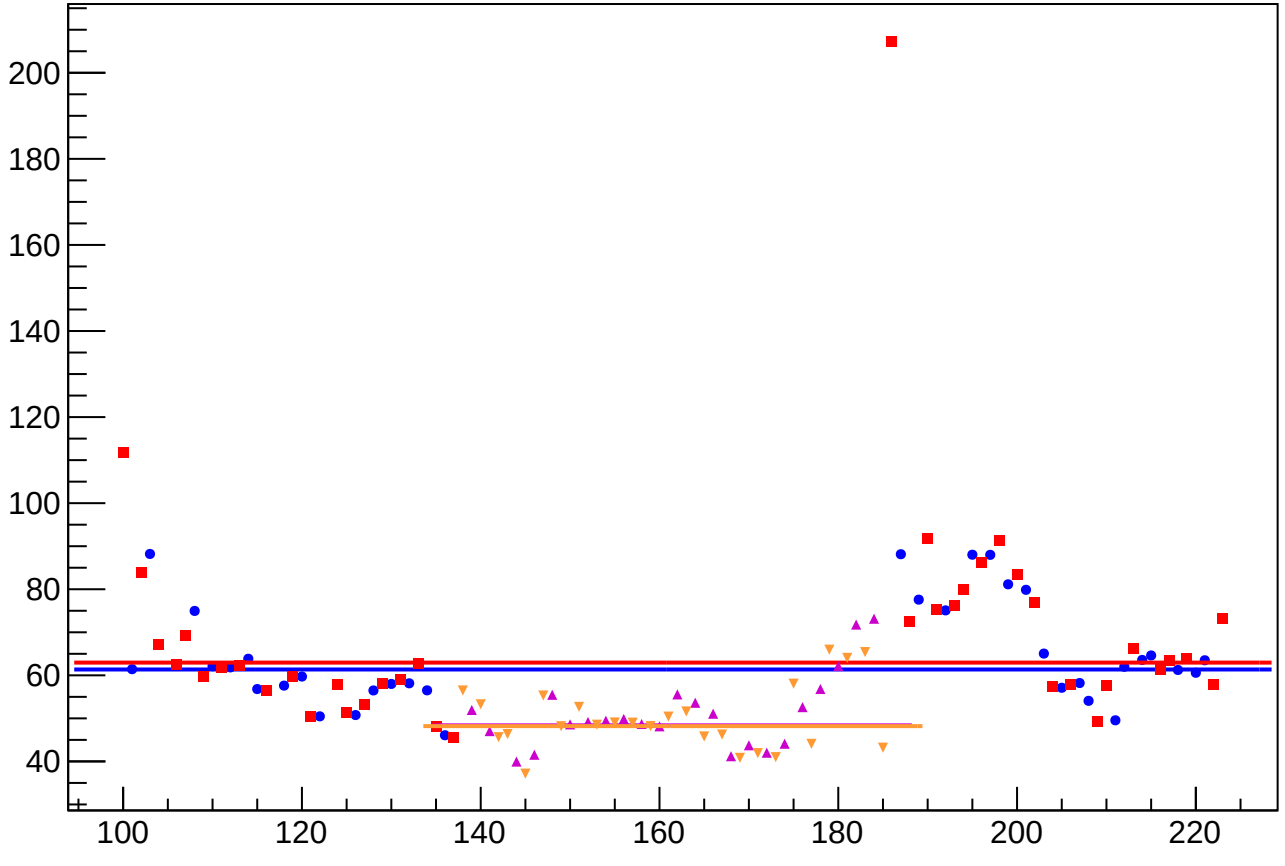
Right: 68.886+/-9.468 χ^2/NDF: 101.9/72

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 13.020+/-8.576 χ^2/NDF:152.0/63

All: 10.886+/-6.104 χ^2/NDF: 226.0/120

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

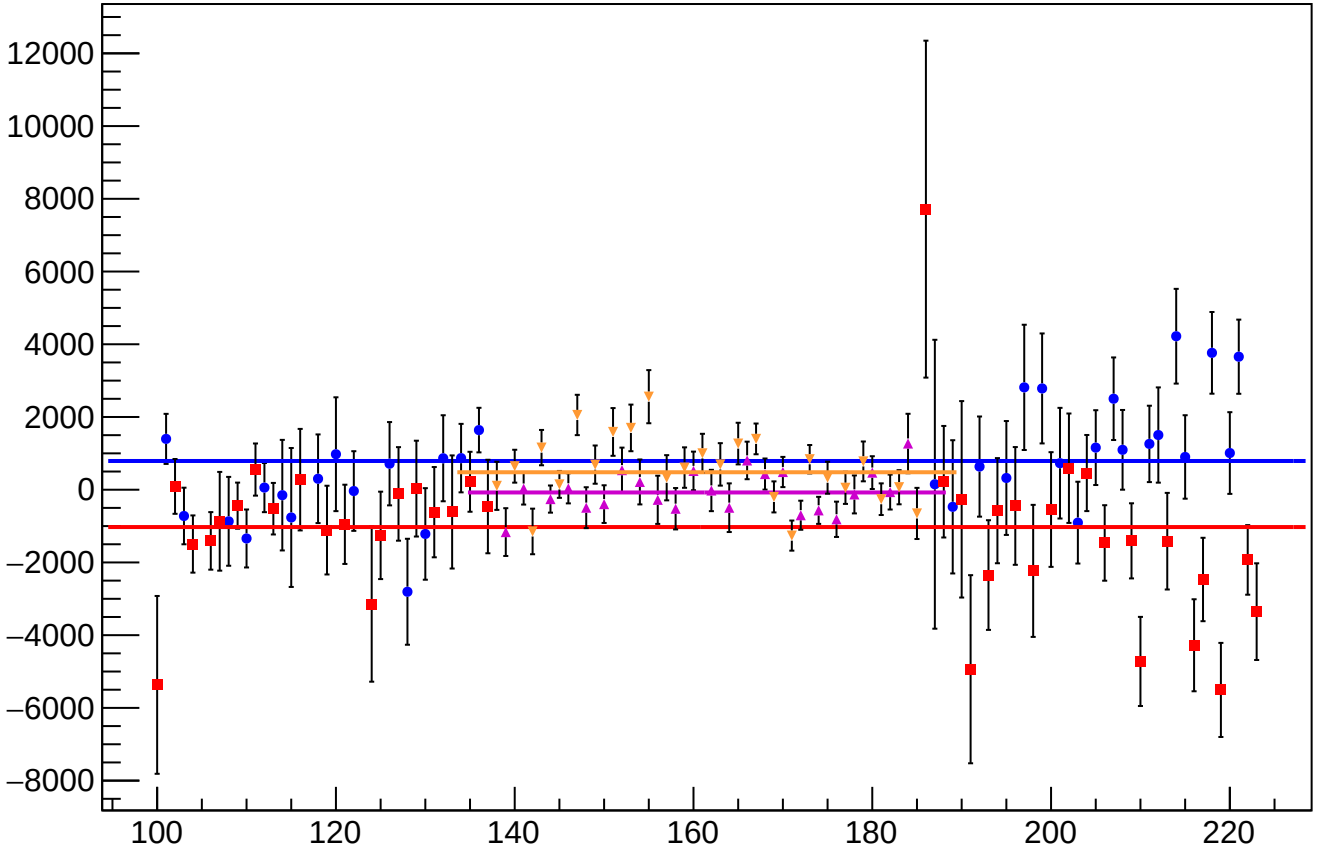
Right: 62.147+/-0.007 χ^2/NDF: 2925255.0/72

In: 53.912+/-0.006 χ^2/NDF:3009805.0/56

Out: 54.178+/-0.006 χ^2/NDF:3895299.2/63

All: 54.047+/-0.004 χ^2/NDF: 6906049.7/120

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

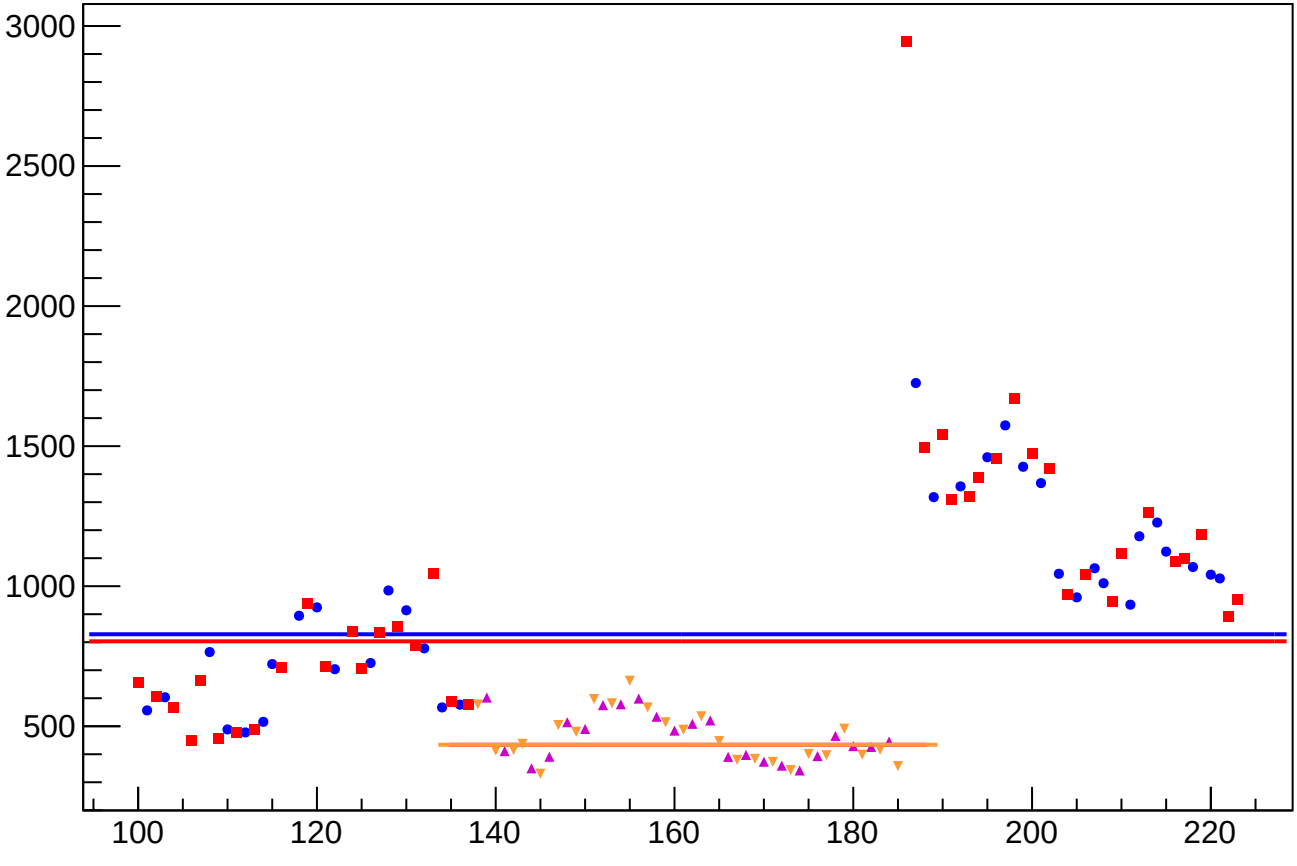
Right: -146.384+/-130.590 χ^2/NDF: 169.1/72

In: 125.248+/-90.372 χ^2/NDF:98.8/56

Out: 127.631+/-87.984 χ^2/NDF:184.6/63

All: 126.472+/-63.042 χ^2/NDF: 283.3/120

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



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

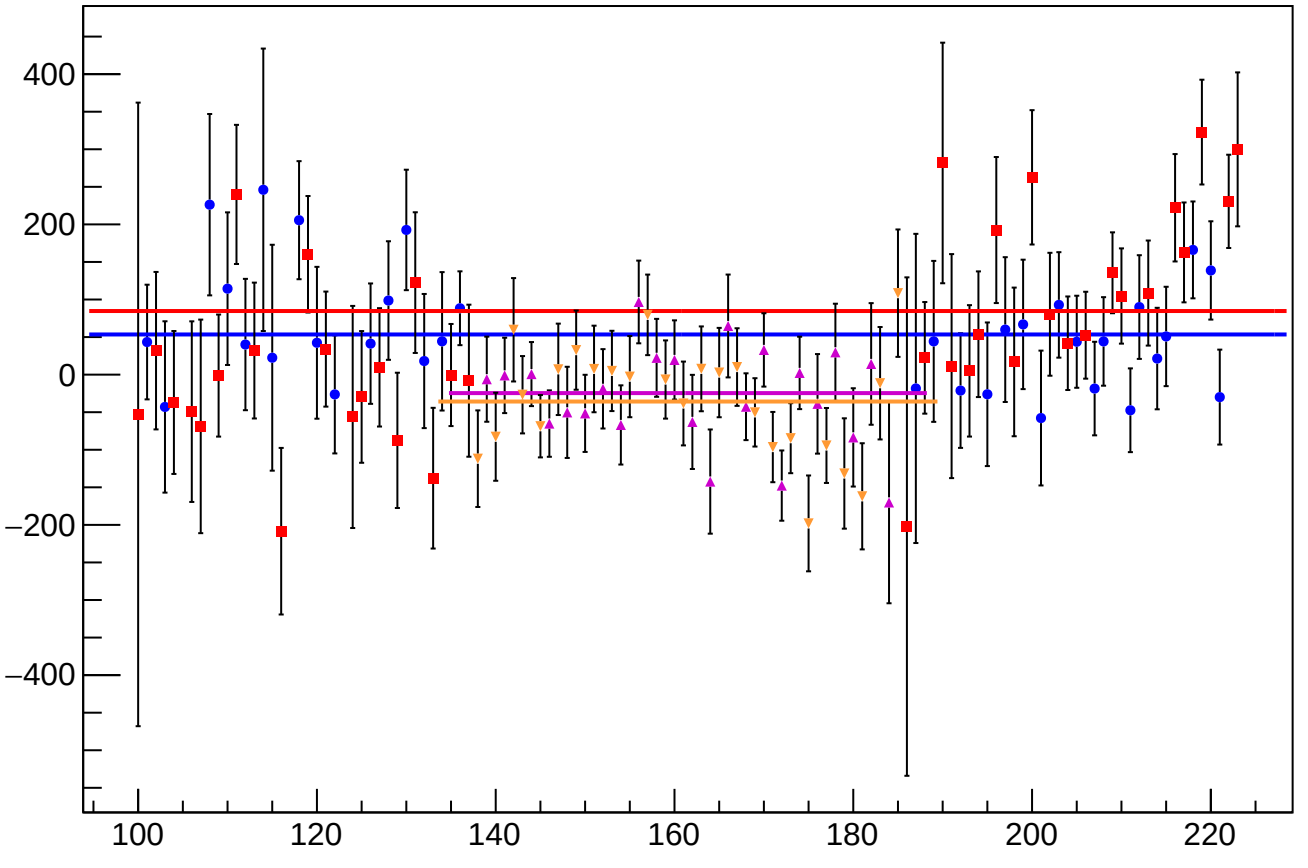
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 815.359+/-0.092 χ^2/NDF: 11433011.3/72

In: 525.305+/-0.064 χ^2/NDF:12722562.4/56

Out: 520.322+/-0.062 χ^2/NDF:14138285.5/63

All: 522.747+/-0.045 χ^2/NDF: 26863969.1/12



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

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

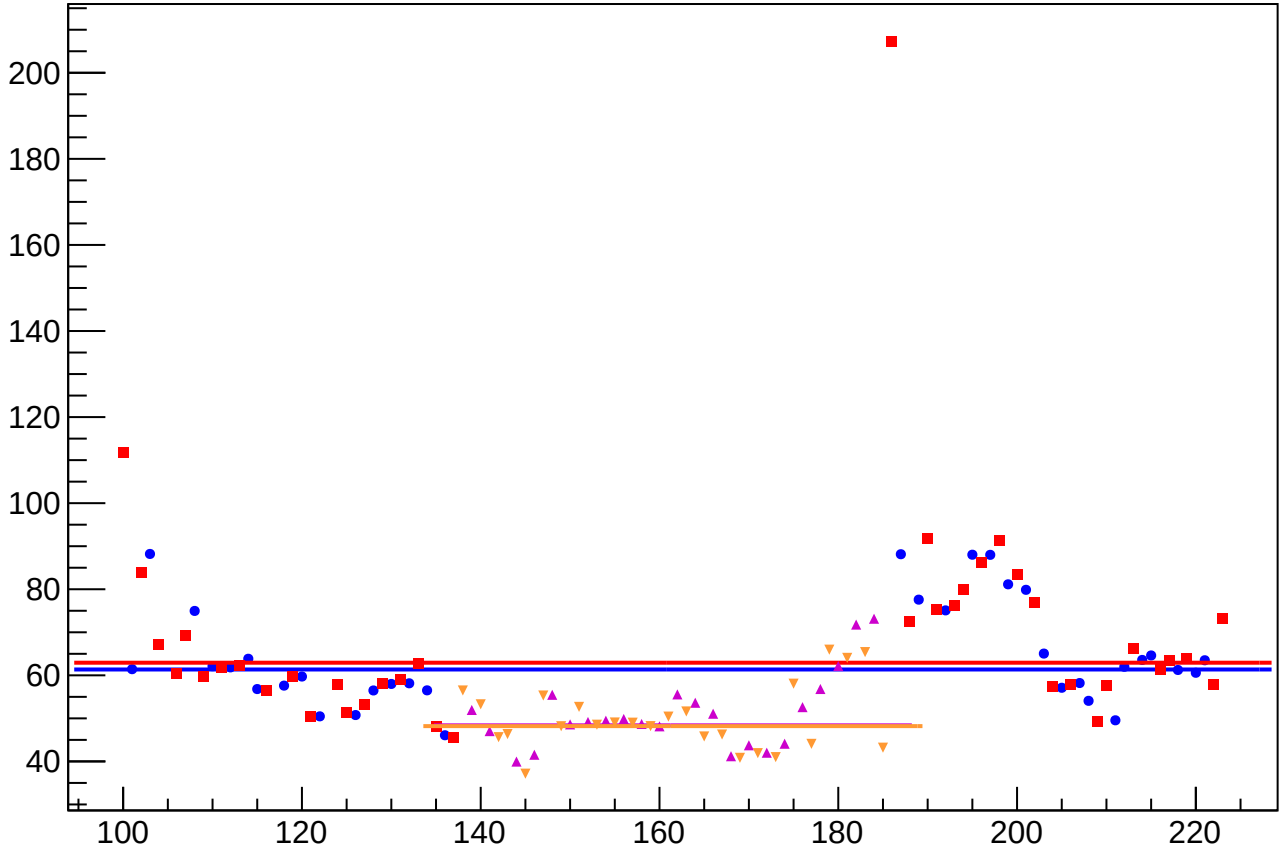
Right: 68.878+/-9.470 χ^2/NDF: 102.0/72

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 12.999+/-8.577 χ^2/NDF:152.1/63

All: 10.875+/-6.104 χ^2/NDF: 226.1/120

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

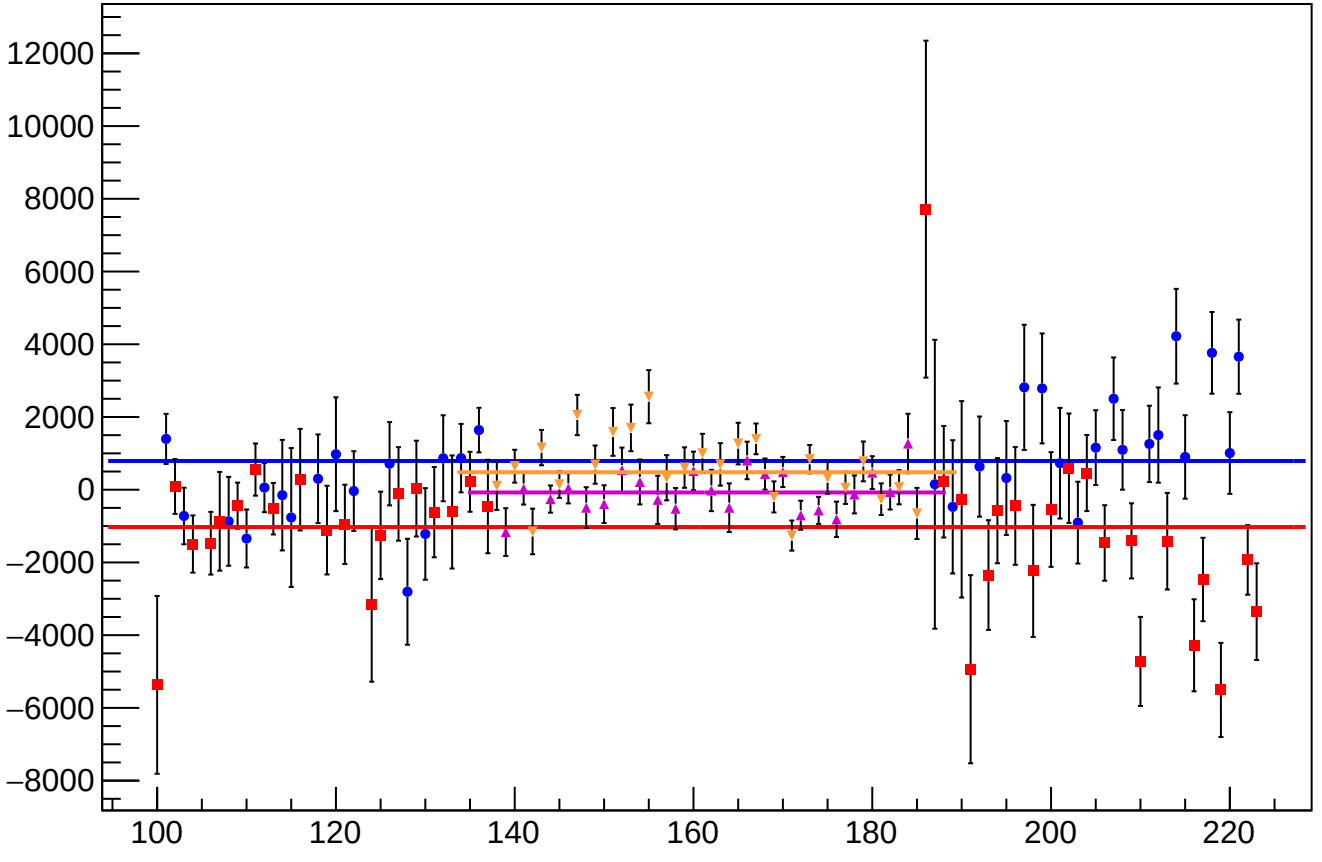
Right: 62.135+/-0.007 χ^2/NDF: 2925867.1/72

In: 53.912+/-0.006 χ^2/NDF:3009808.9/56

Out: 54.166+/-0.006 χ^2/NDF:3891087.7/63

All: 54.040+/-0.004 χ^2/NDF: 6901759.1/120

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

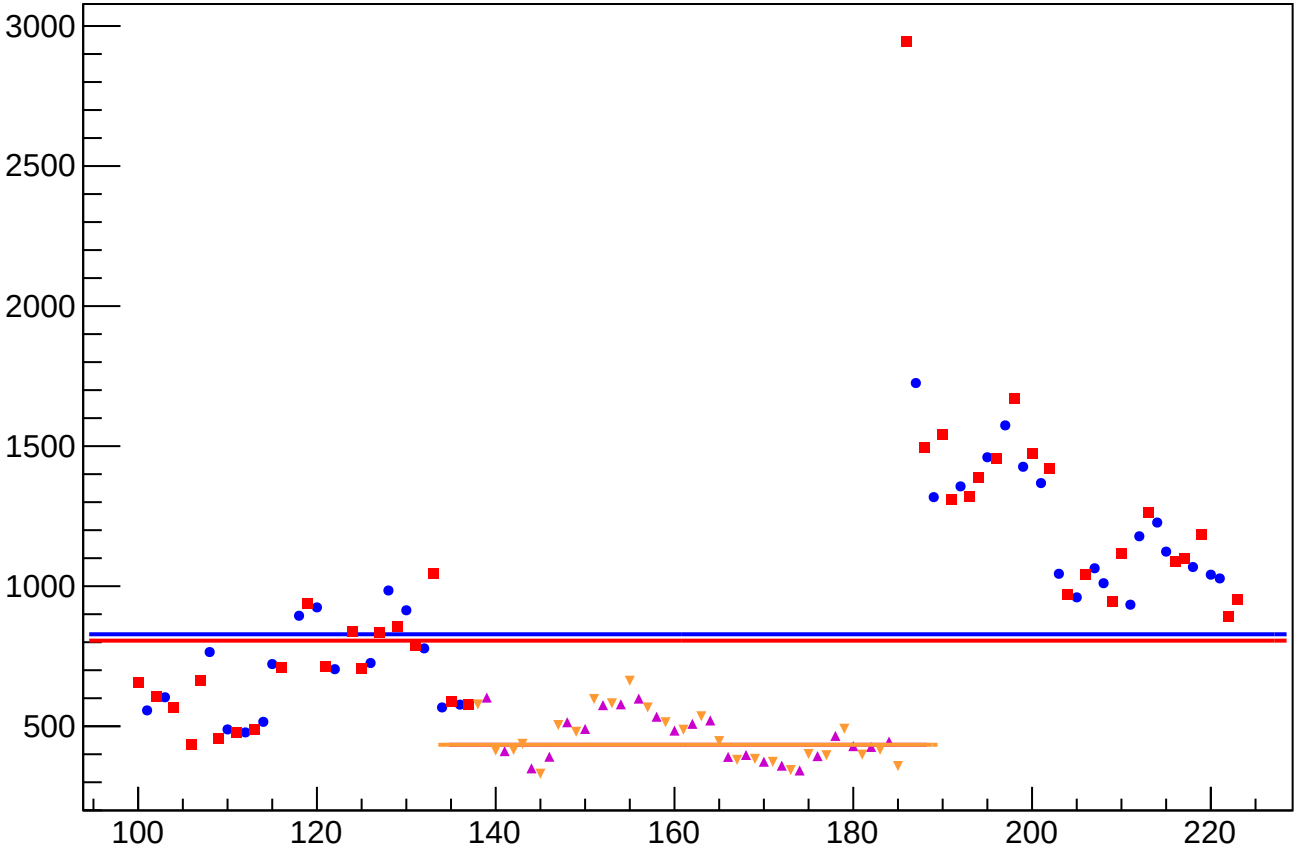
Right: -142.458+/-130.875 χ^2/NDF: 168.9/72

In: 125.251+/-90.373 χ^2/NDF:98.8/56

Out: 129.944+/-88.071 χ^2/NDF:184.2/63

All: 127.658+/-63.074 χ^2/NDF: 283.0/120

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



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

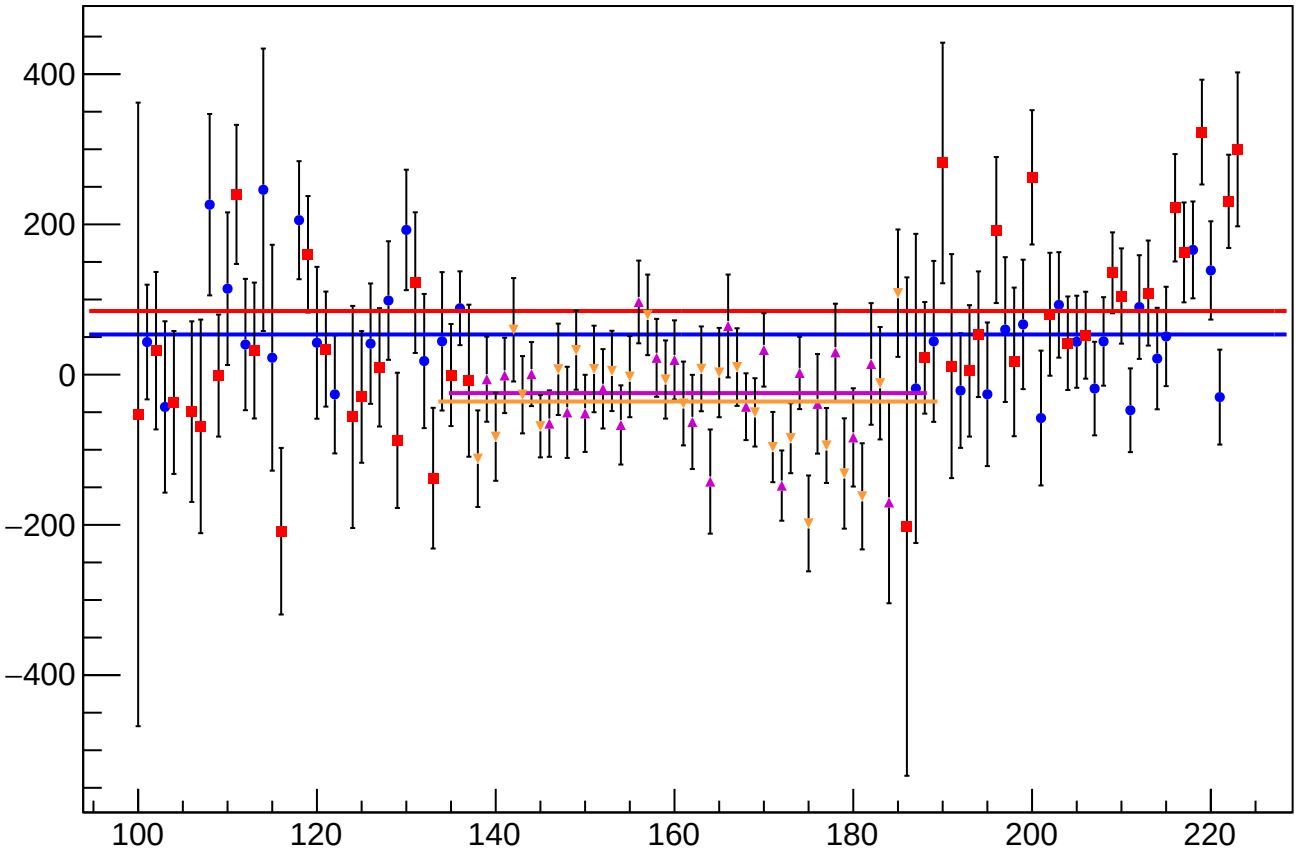
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 816.669+/-0.093 χ^2/NDF: 11390161.6/72

In: 525.305+/-0.064 χ^2/NDF:12722578.2/56

Out: 520.331+/-0.062 χ^2/NDF:14141388.9/63

All: 522.754+/-0.045 χ^2/NDF: 26867075.6/12



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

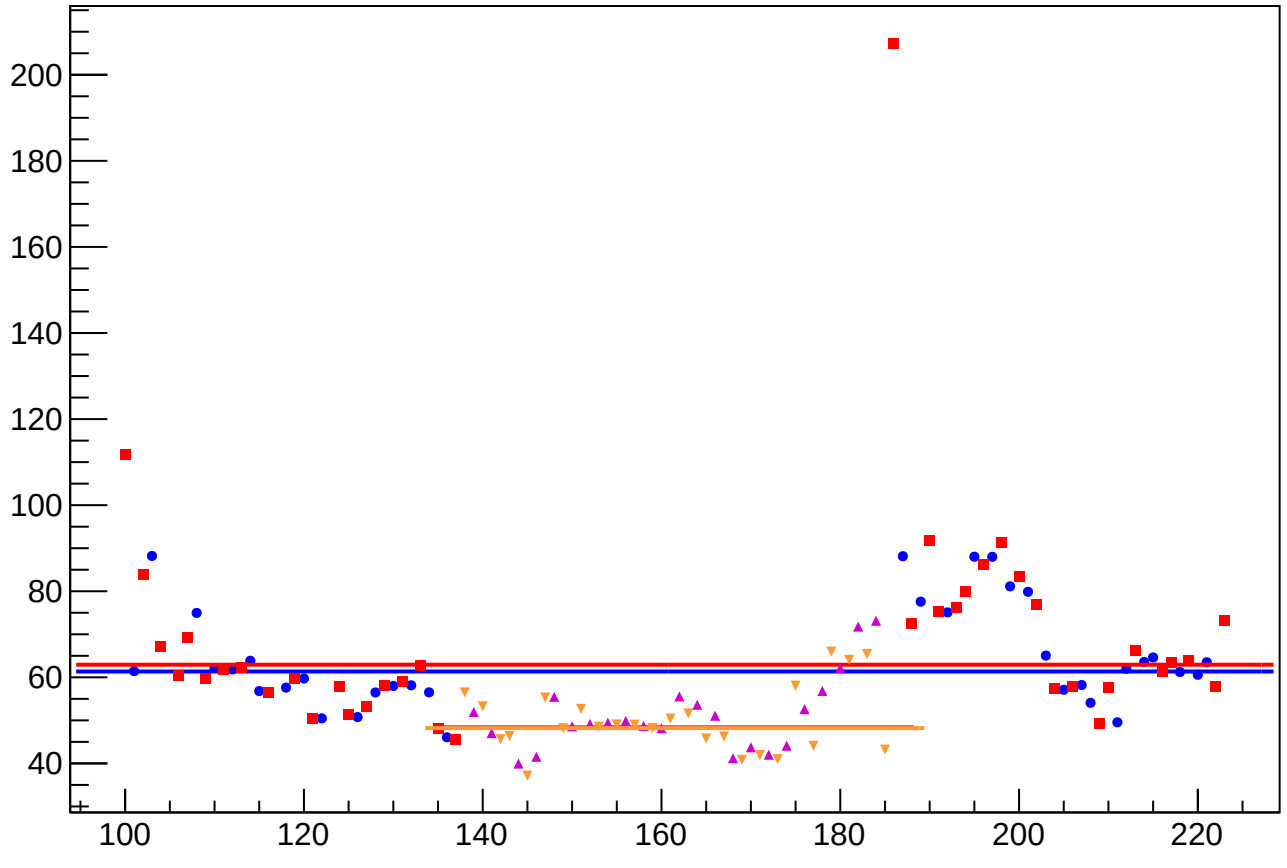
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 68.878+/-9.470 χ^2/NDF: 102.0/72

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 12.999+/-8.577 χ^2/NDF:152.1/63

All: 10.875+/-6.104 χ^2/NDF: 226.1/120



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

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

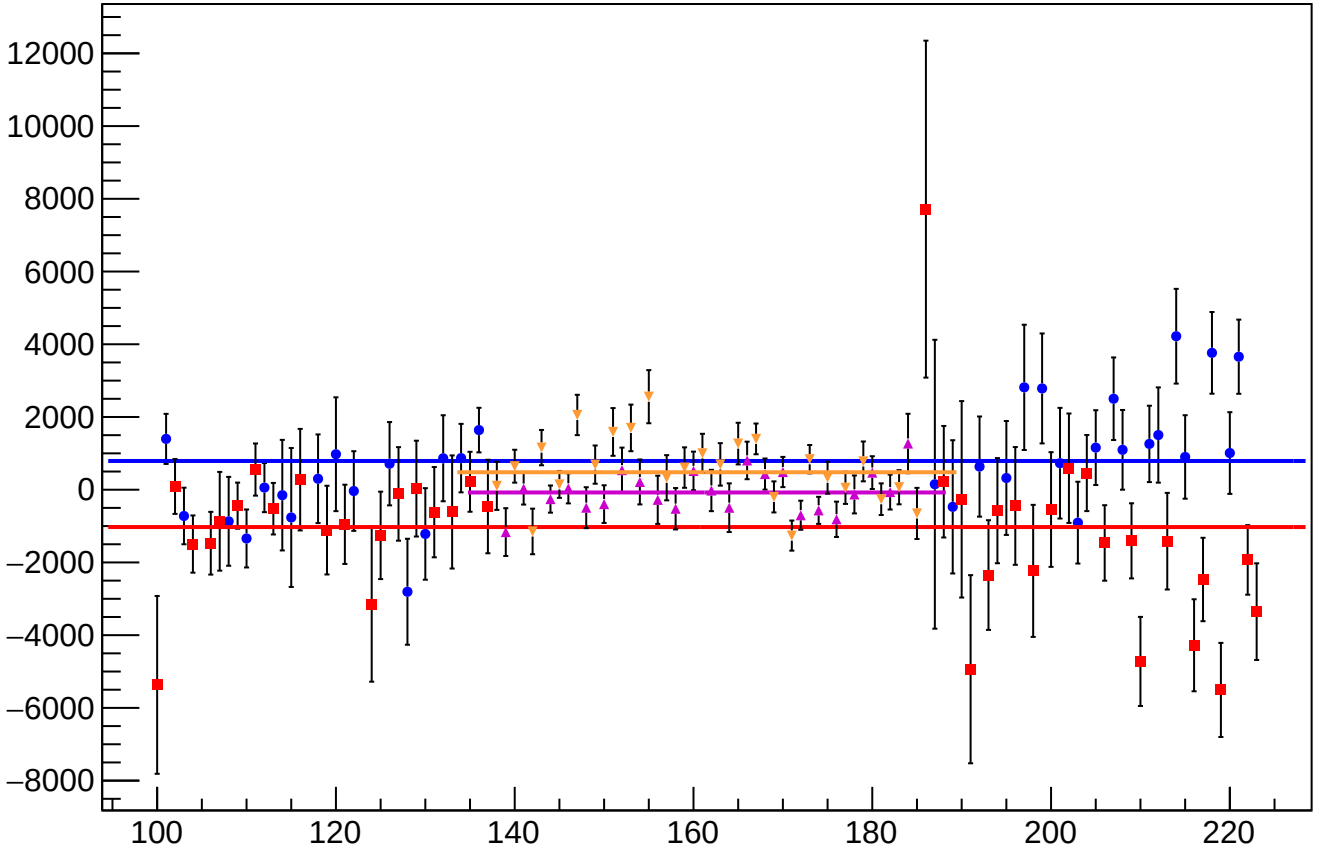
Right: 62.135+/-0.007 χ^2/NDF: 2925867.1/72

In: 53.912+/-0.006 χ^2/NDF:3009808.9/56

Out: 54.166+/-0.006 χ^2/NDF:3891087.7/63

All: 54.040+/-0.004 χ^2/NDF: 6901759.1/120

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

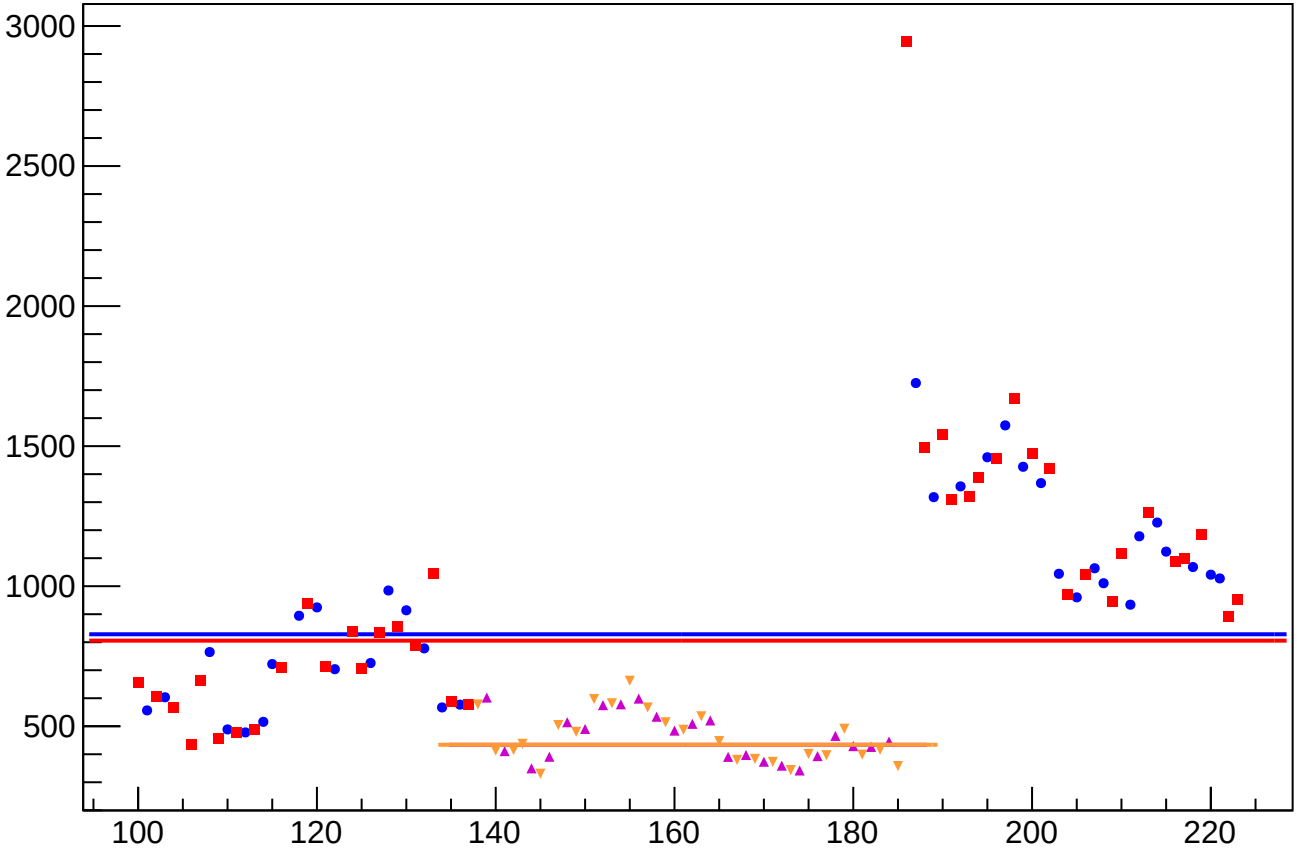
Right: -142.458+/-130.875 χ^2/NDF: 168.9/72

In: 125.251+/-90.373 χ^2/NDF:98.8/56

Out: 129.944+/-88.071 χ^2/NDF:184.2/63

All: 127.658+/-63.074 χ^2/NDF: 283.0/120

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

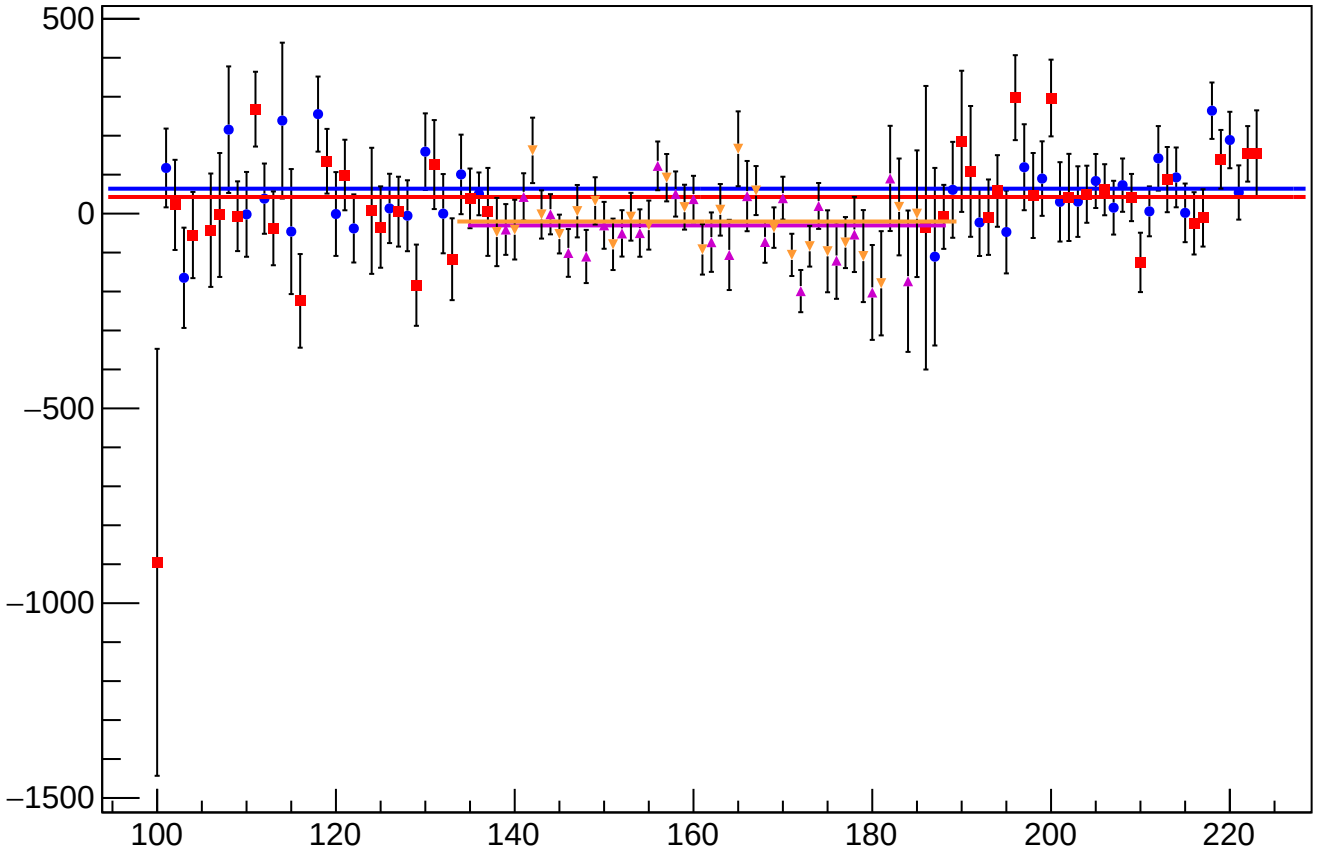
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 816.669+/-0.093 χ^2/NDF: 11390161.6/72

In: 525.305+/-0.064 χ^2/NDF:12722578.2/56

Out: 520.331+/-0.062 χ^2/NDF:14141388.9/63

All: 522.754+/-0.045 χ^2/NDF: 26867075.6/12



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

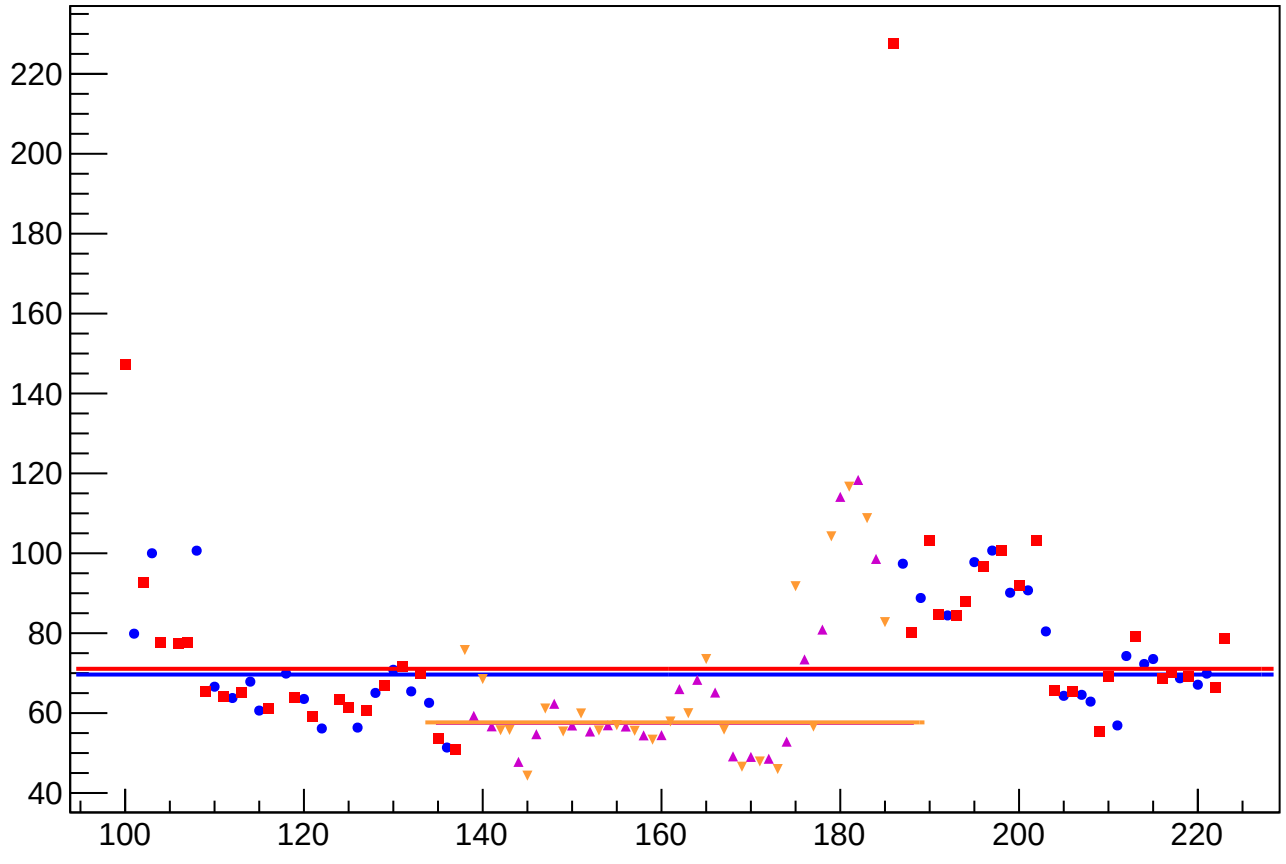
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 53.362+/-10.763 χ^2/NDF: 83.0/72

In: 12.948+/-10.282 χ^2/NDF:84.6/56

Out: 7.654+/-10.170 χ^2/NDF:85.5/63

All: 10.272+/-7.231 χ^2/NDF: 170.2/120



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

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

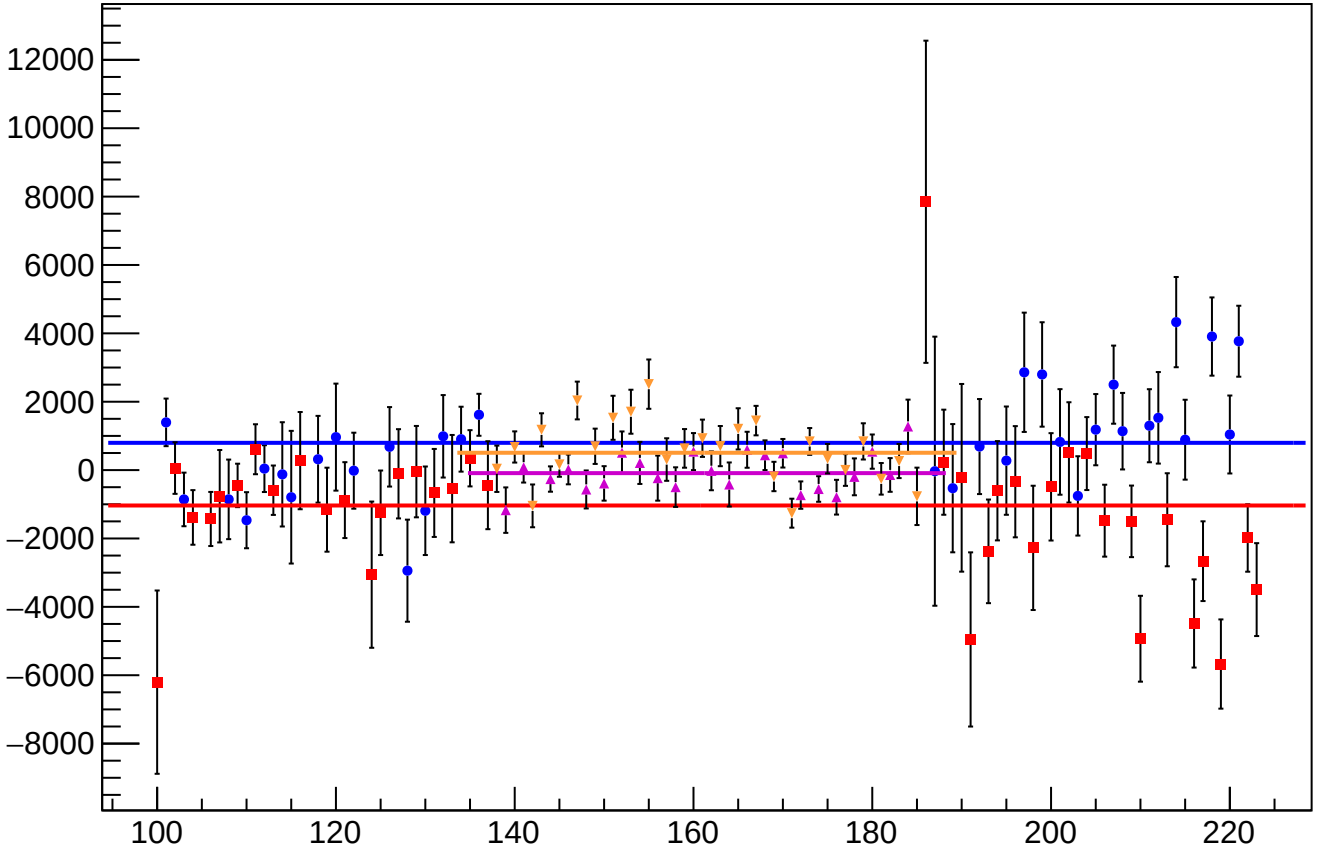
Right: 70.363+/-0.008 χ^2/NDF: 3068542.7/72

In: 63.097+/-0.007 χ^2/NDF:3471381.2/56

Out: 63.623+/-0.007 χ^2/NDF:4489471.3/63

All: 63.363+/-0.005 χ^2/NDF: 7963499.8/120

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



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

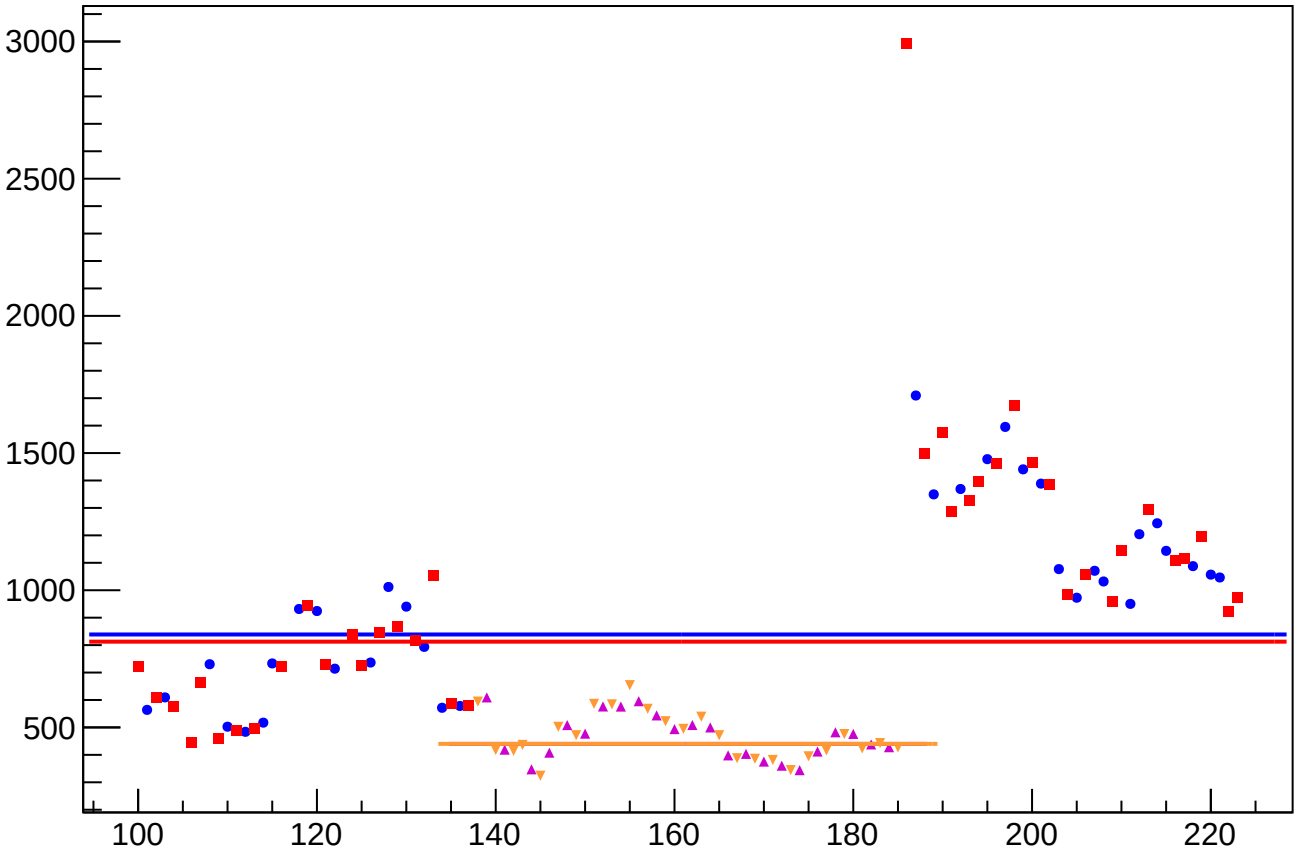
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -148.166+/-132.186 χ^2/NDF: 173.8/72

In: 117.447+/-91.594 χ^2/NDF:99.6/56

Out: 145.851+/-89.061 χ^2/NDF:185.8/63

All: 132.047+/-63.852 χ^2/NDF: 285.4/120



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

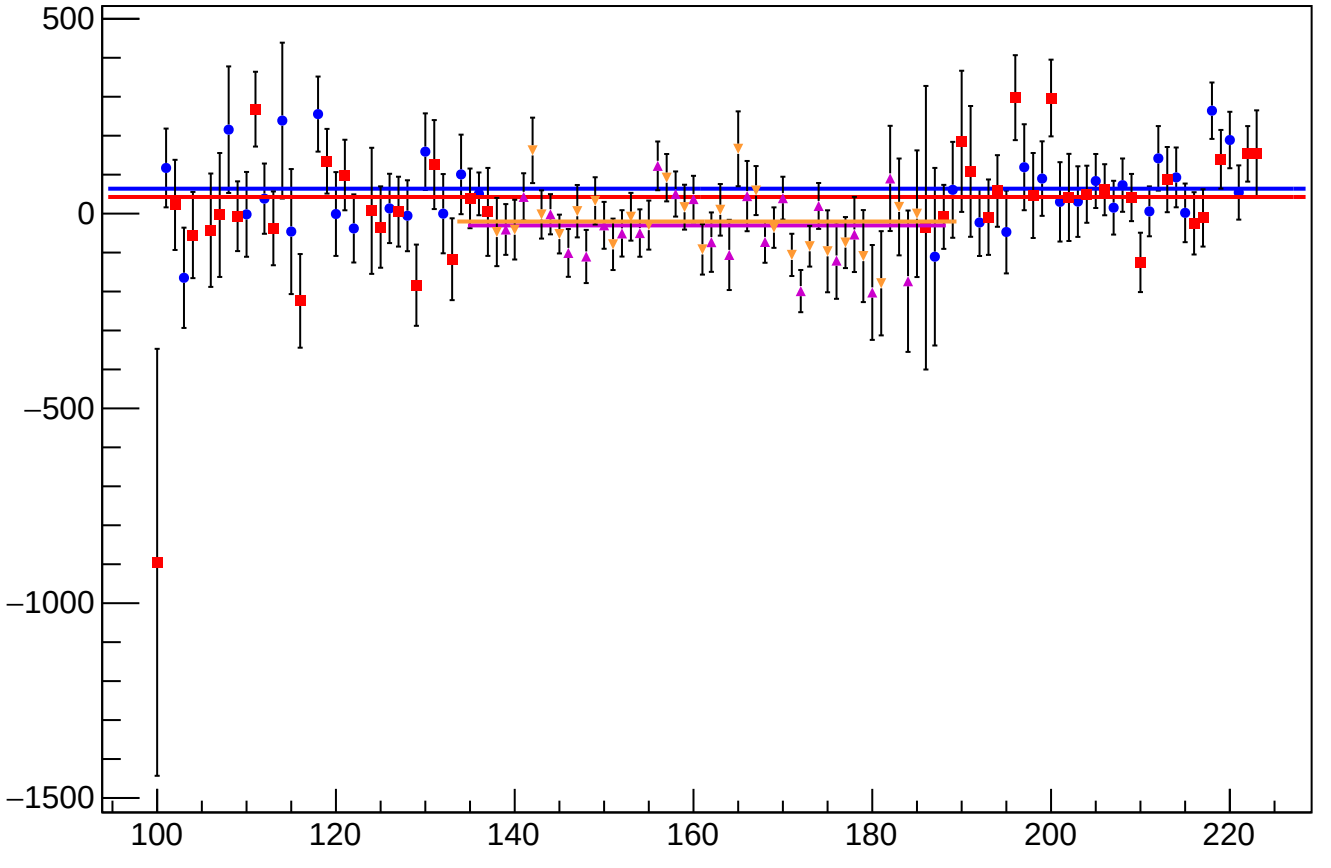
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 825.264+/-0.093 χ^2/NDF: 11489346.7/72

In: 532.562+/-0.065 χ^2/NDF:12720549.1/56

Out: 527.346+/-0.063 χ^2/NDF:14050944.2/63

All: 529.881+/-0.045 χ^2/NDF: 26774827.1/12



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

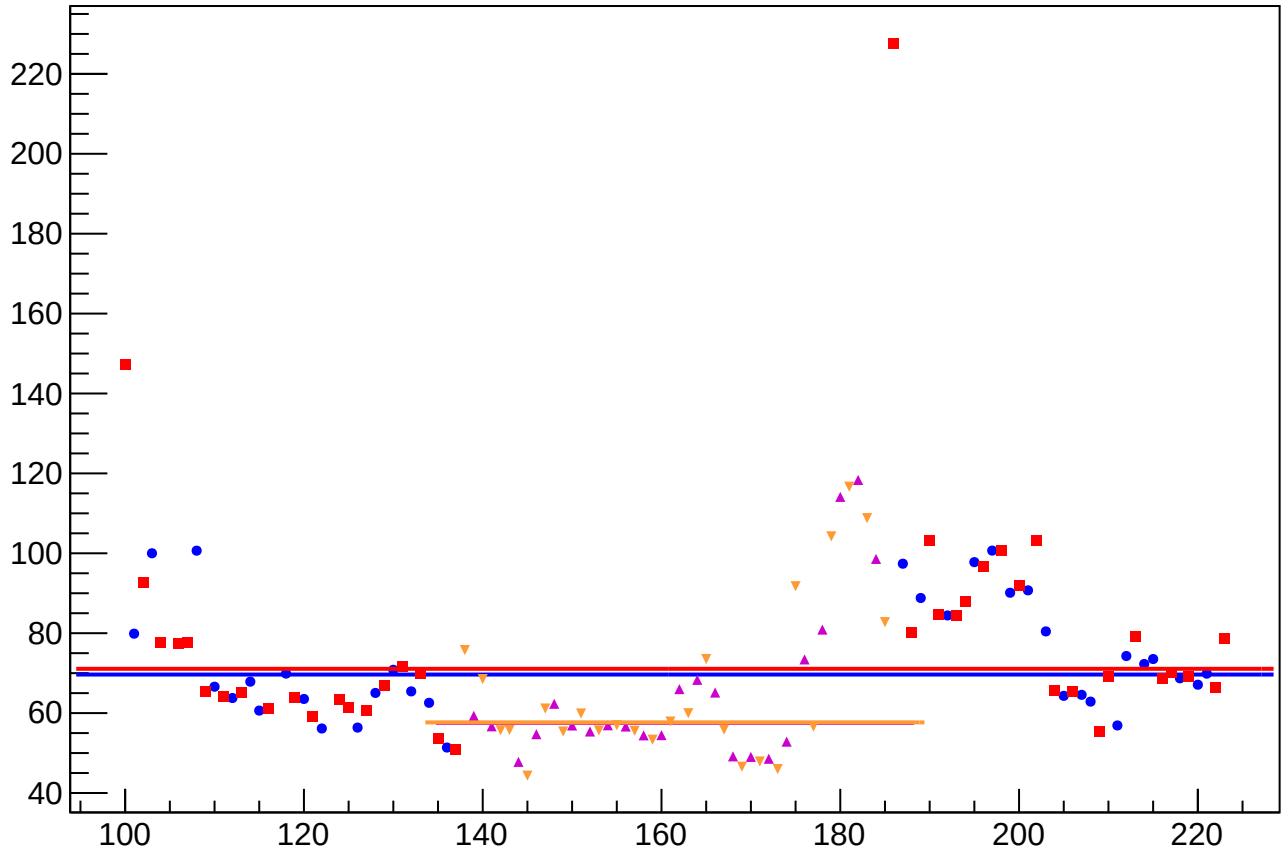
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 53.362+/-10.763 χ^2/NDF: 83.0/72

In: 12.947+/-10.282 χ^2/NDF:84.6/56

Out: 7.654+/-10.170 χ^2/NDF:85.5/63

All: 10.271+/-7.231 χ^2/NDF: 170.2/120



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

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

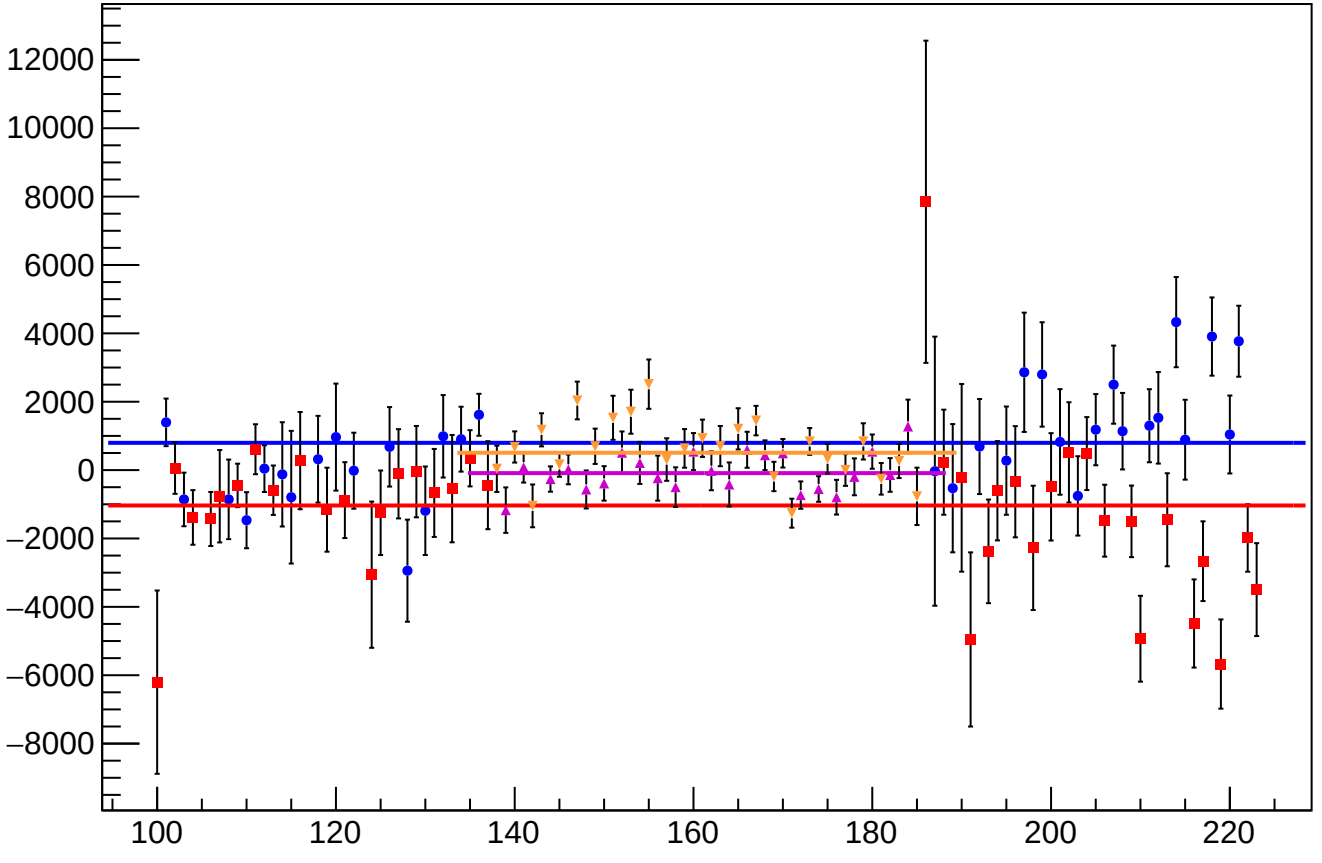
Right: 70.363+/-0.008 χ^2/NDF: 3068522.2/72

In: 63.097+/-0.007 χ^2/NDF:3471323.7/56

Out: 63.623+/-0.007 χ^2/NDF:4489450.6/63

All: 63.363+/-0.005 χ^2/NDF: 7963422.2/120

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

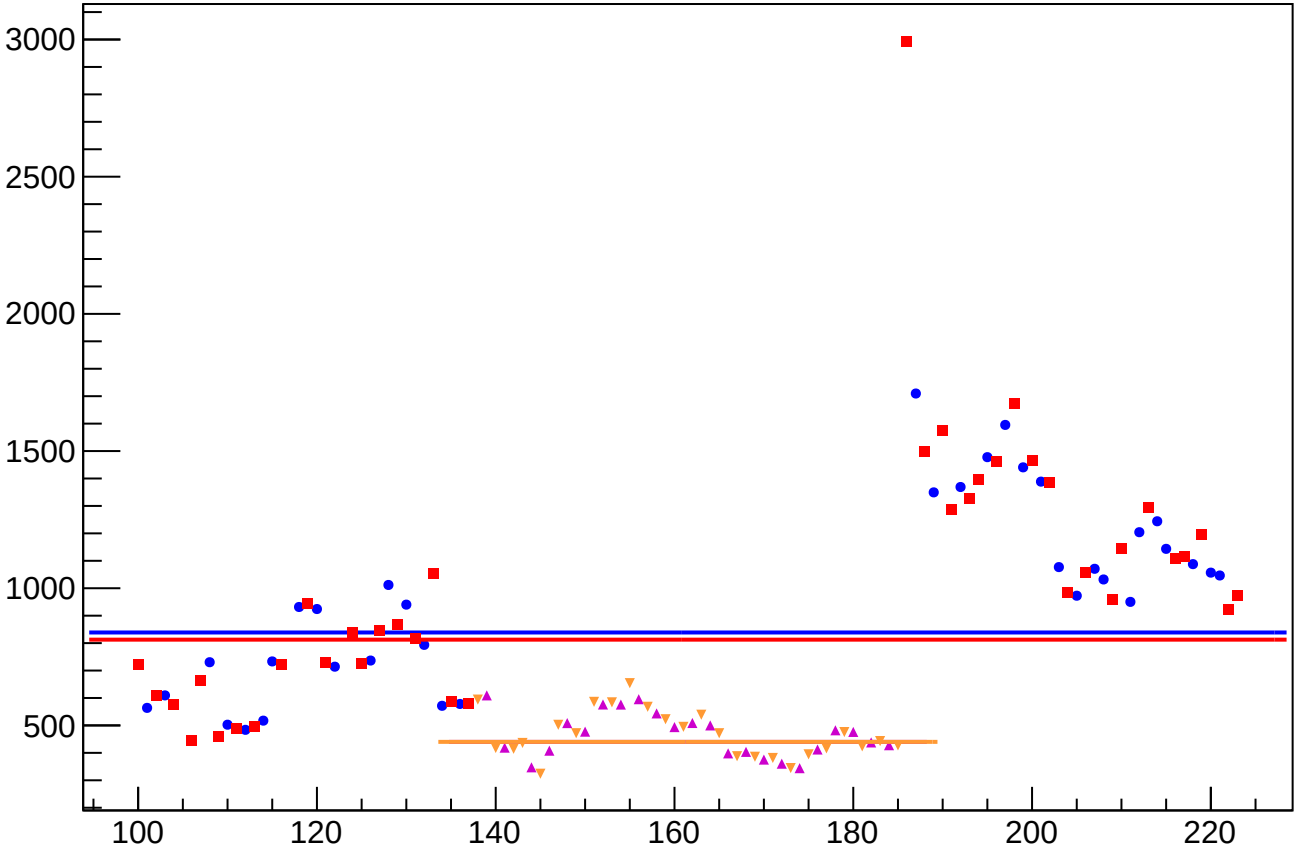
Right: -148.166+/-132.185 χ^2/NDF: 173.8/72

In: 117.446+/-91.594 χ^2/NDF:99.6/56

Out: 145.851+/-89.061 χ^2/NDF:185.8/63

All: 132.047+/-63.852 χ^2/NDF: 285.4/120

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

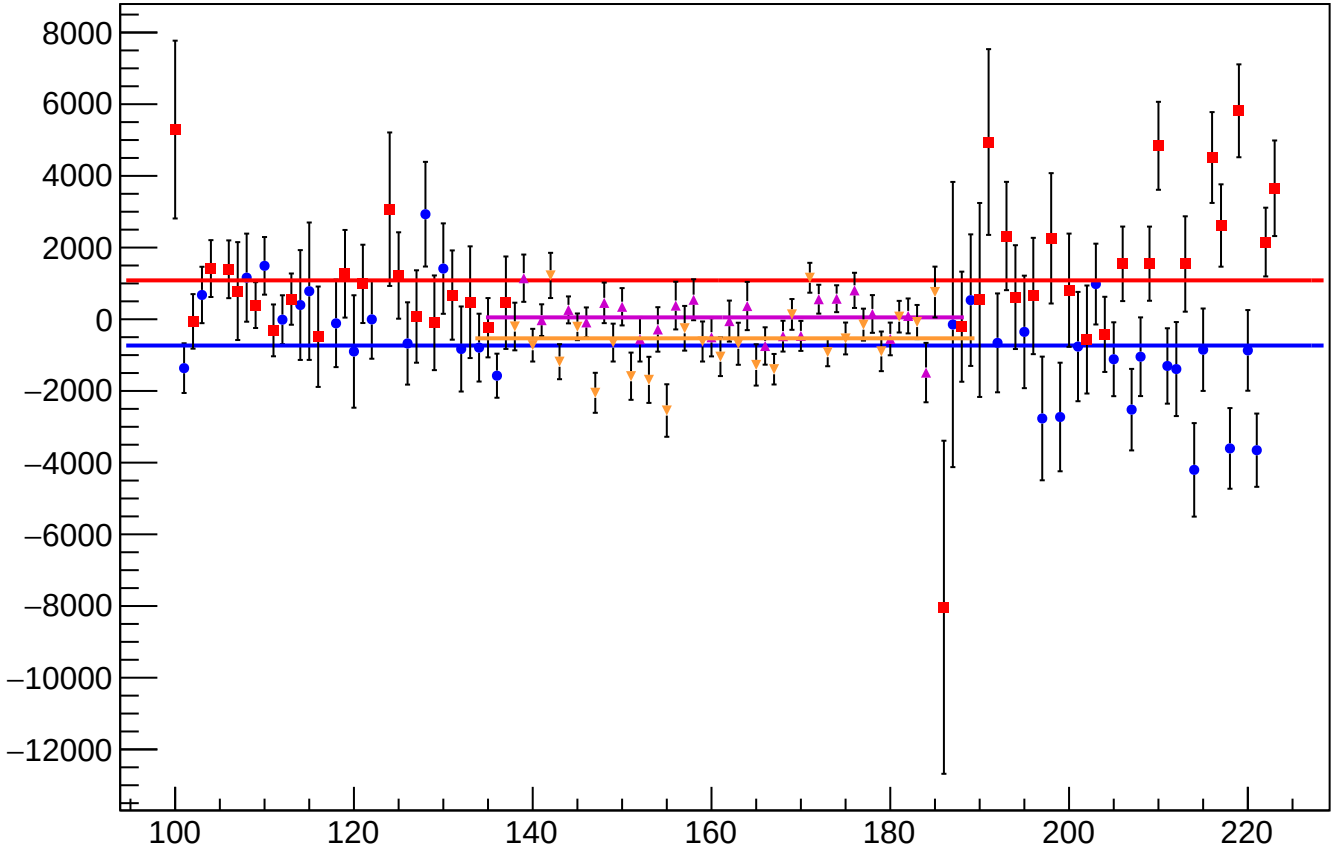
Right: 825.263+/-0.093 χ^2/NDF: 11489357.7/72

In: 532.560+/-0.065 χ^2/NDF:12720588.8/56

Out: 527.344+/-0.063 χ^2/NDF:14050983.2/63

All: 529.879+/-0.045 χ^2/NDF: 26774905.6/12

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

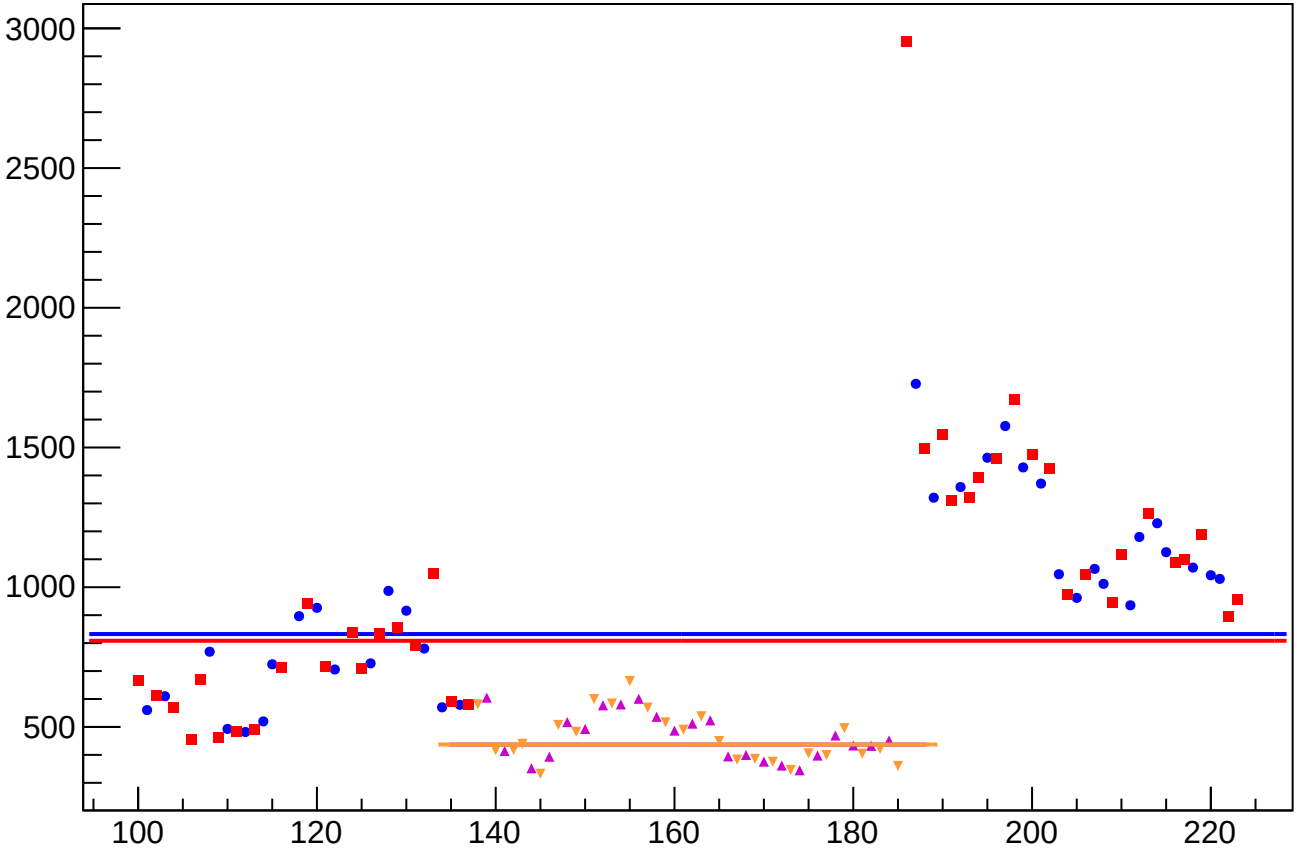
Right: 202.940+/-131.204 χ^2/NDF: 173.3/72

In: -130.570+/-90.958 χ^2/NDF:96.5/56

Out: -152.323+/-88.575 χ^2/NDF:191.5/63

All: -141.735+/-63.458 χ^2/NDF: 288.1/120

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

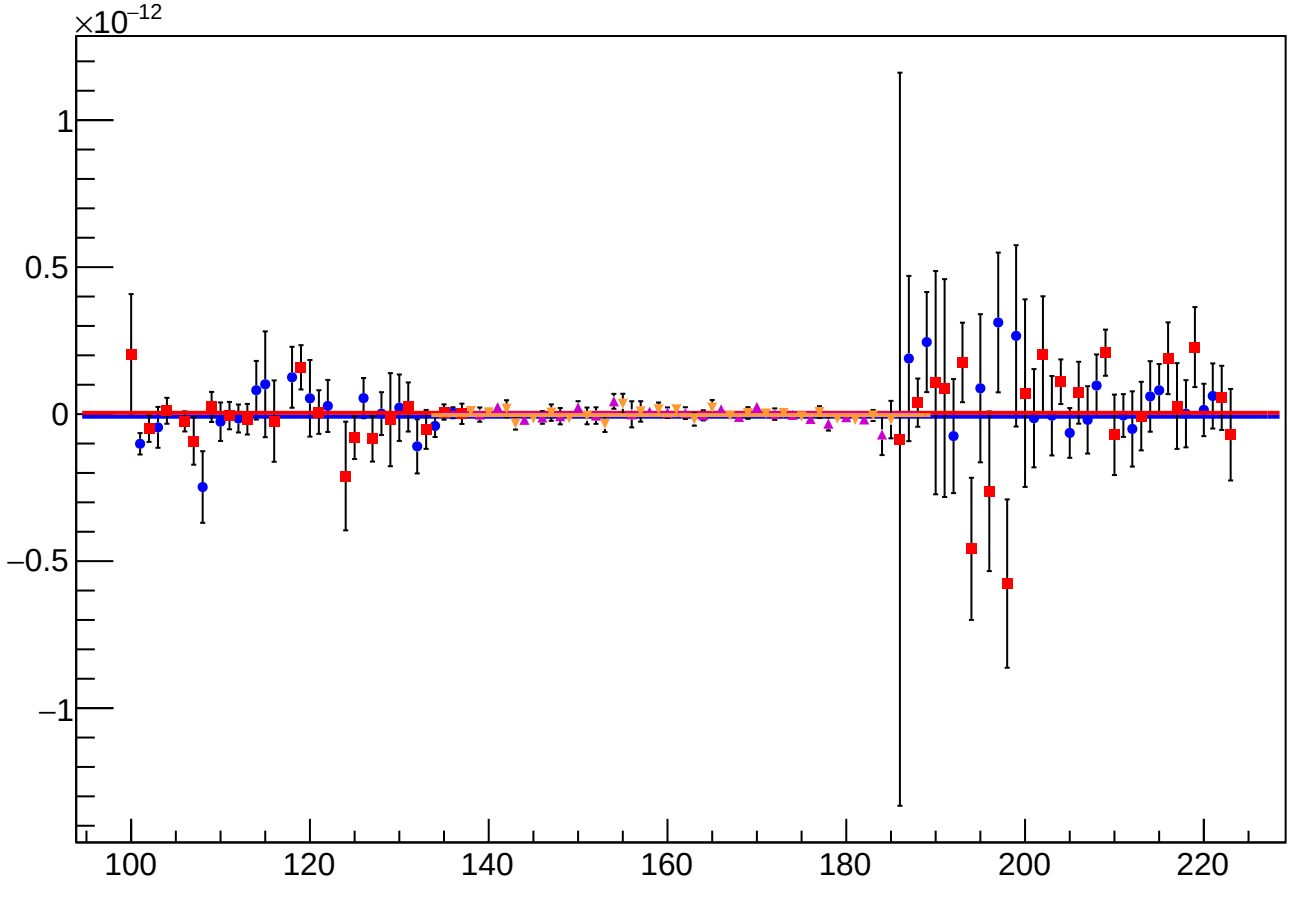
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 820.030+/-0.093 χ^2/NDF: 11274289.7/72

In: 529.150+/-0.064 χ^2/NDF:12611378.6/56

Out: 524.254+/-0.063 χ^2/NDF:14021912.0/63

All: 526.637+/-0.045 χ^2/NDF: 26636263.8/12



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

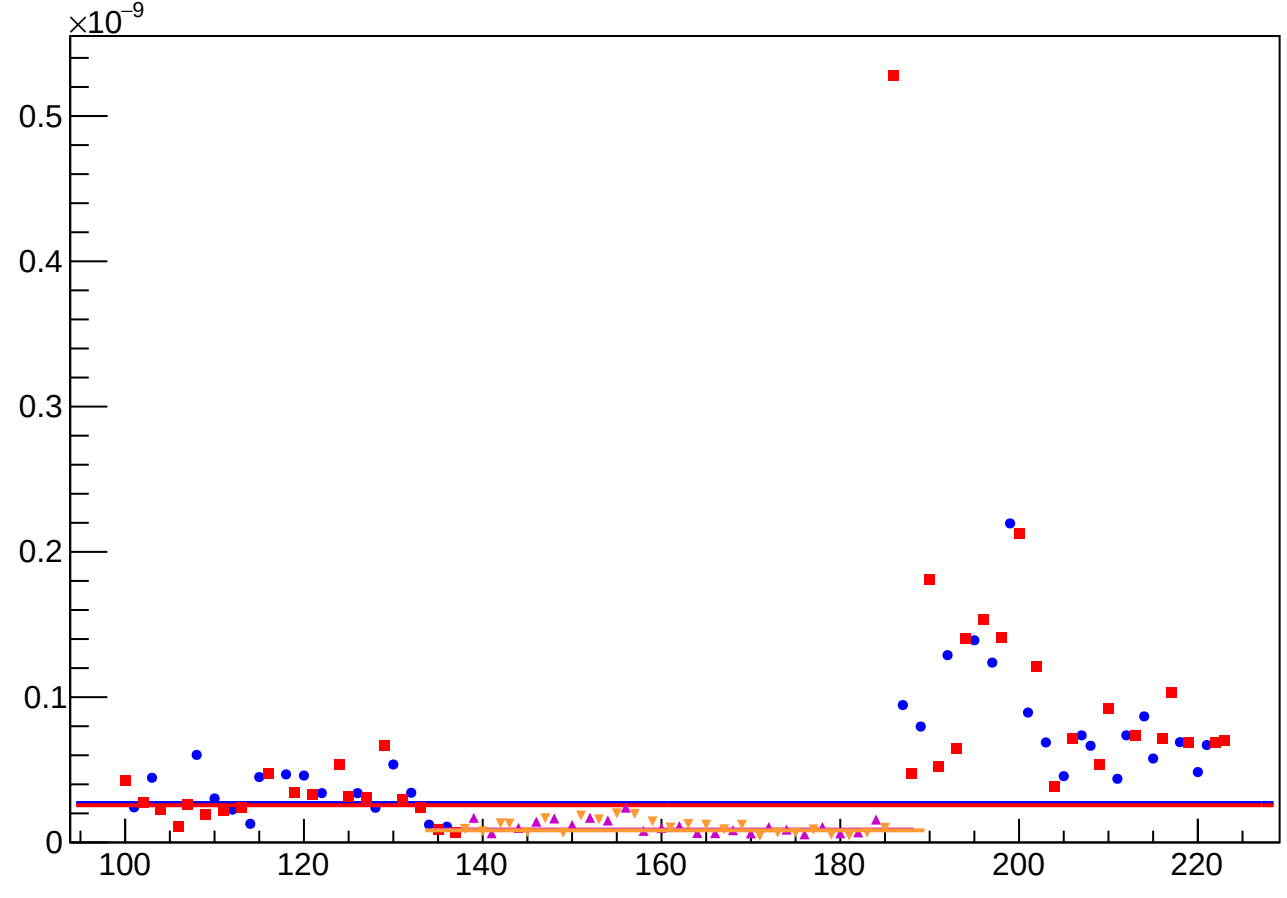
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 67.5/72

In: 0.000+/-0.000 χ^2/NDF:48.9/56

Out: -0.000+/-0.000 χ^2/NDF:55.4/63

All: -0.000+/-0.000 χ^2/NDF: 104.7/120



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

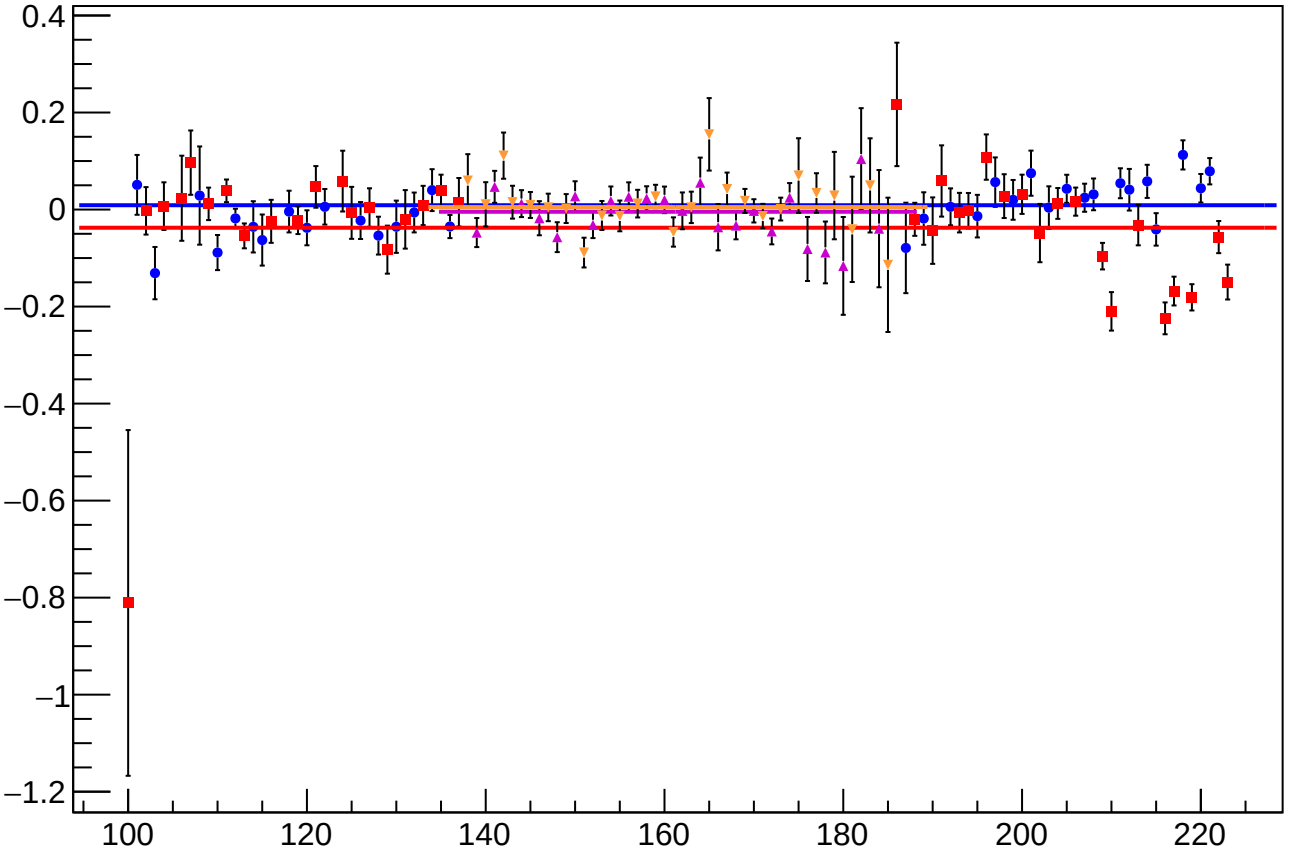
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 16305021.1/72

In: 0.000+/-0.000 χ^2/NDF:13976992.9/56

Out: 0.000+/-0.000 χ^2/NDF:15052718.6/63

All: 0.000+/-0.000 χ^2/NDF: 29072056.7/120



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

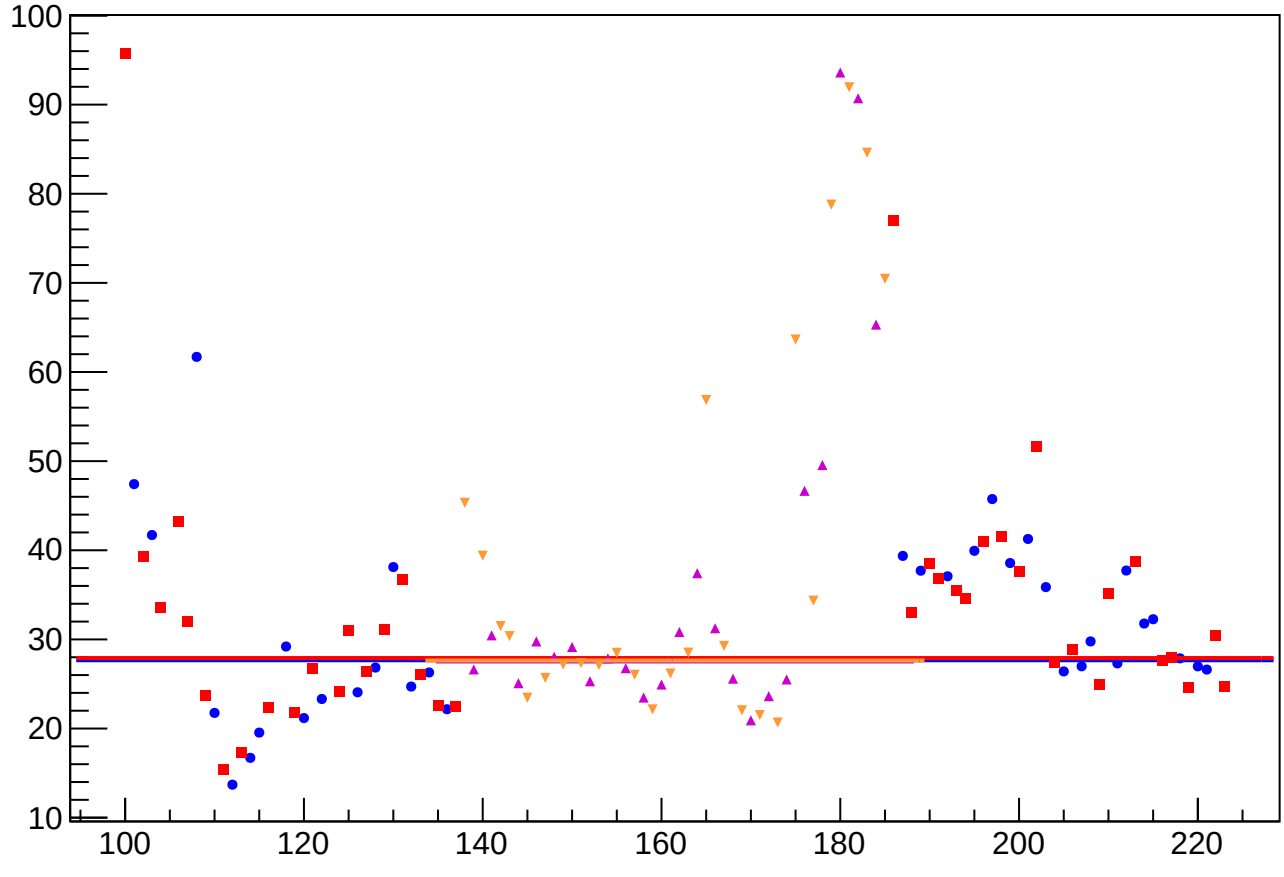
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.015+/-0.004 χ^2/NDF: 271.7/72

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.018+/-0.005 χ^2/NDF:231.6/63

All: -0.008+/-0.003 χ^2/NDF: 331.4/120



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

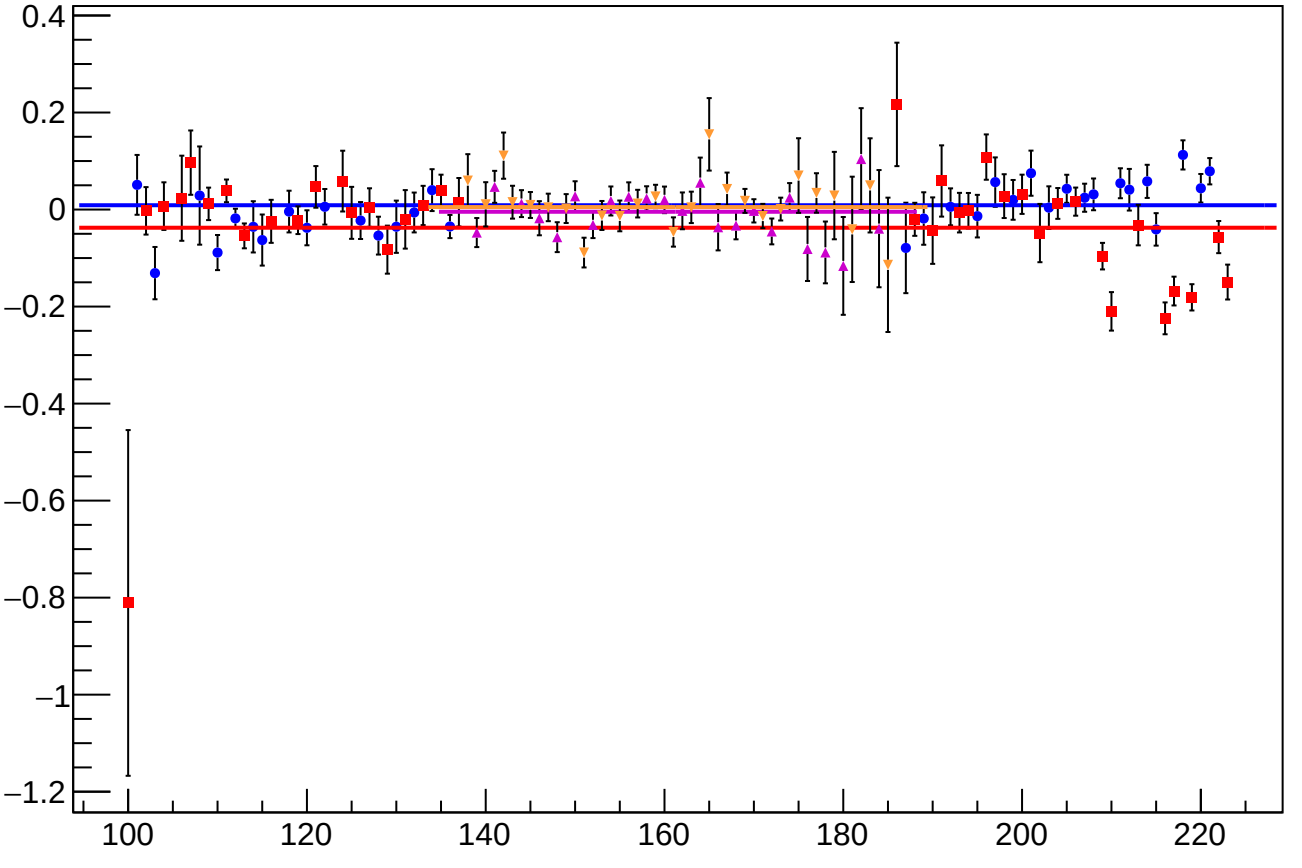
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.788+/-0.003 χ^2/NDF: 6358105.6/72

In: 27.600+/-0.003 χ^2/NDF:5886861.0/56

Out: 27.786+/-0.003 χ^2/NDF:7080492.7/63

All: 27.694+/-0.002 χ^2/NDF: 12968959.6/120



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

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

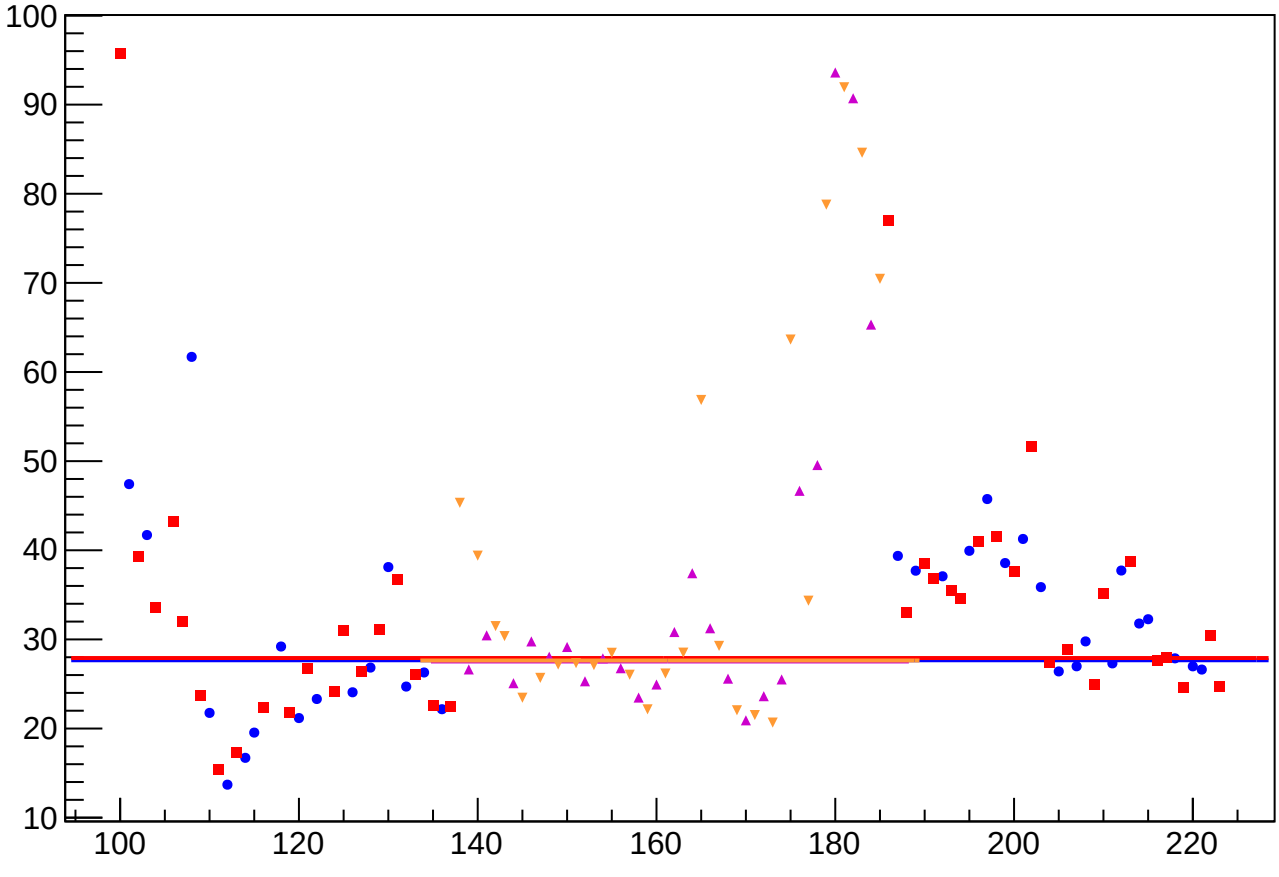
Right: -0.015+/-0.004 χ^2/NDF: 271.7/72

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.018+/-0.005 χ^2/NDF:231.6/63

All: -0.008+/-0.003 χ^2/NDF: 331.4/120

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

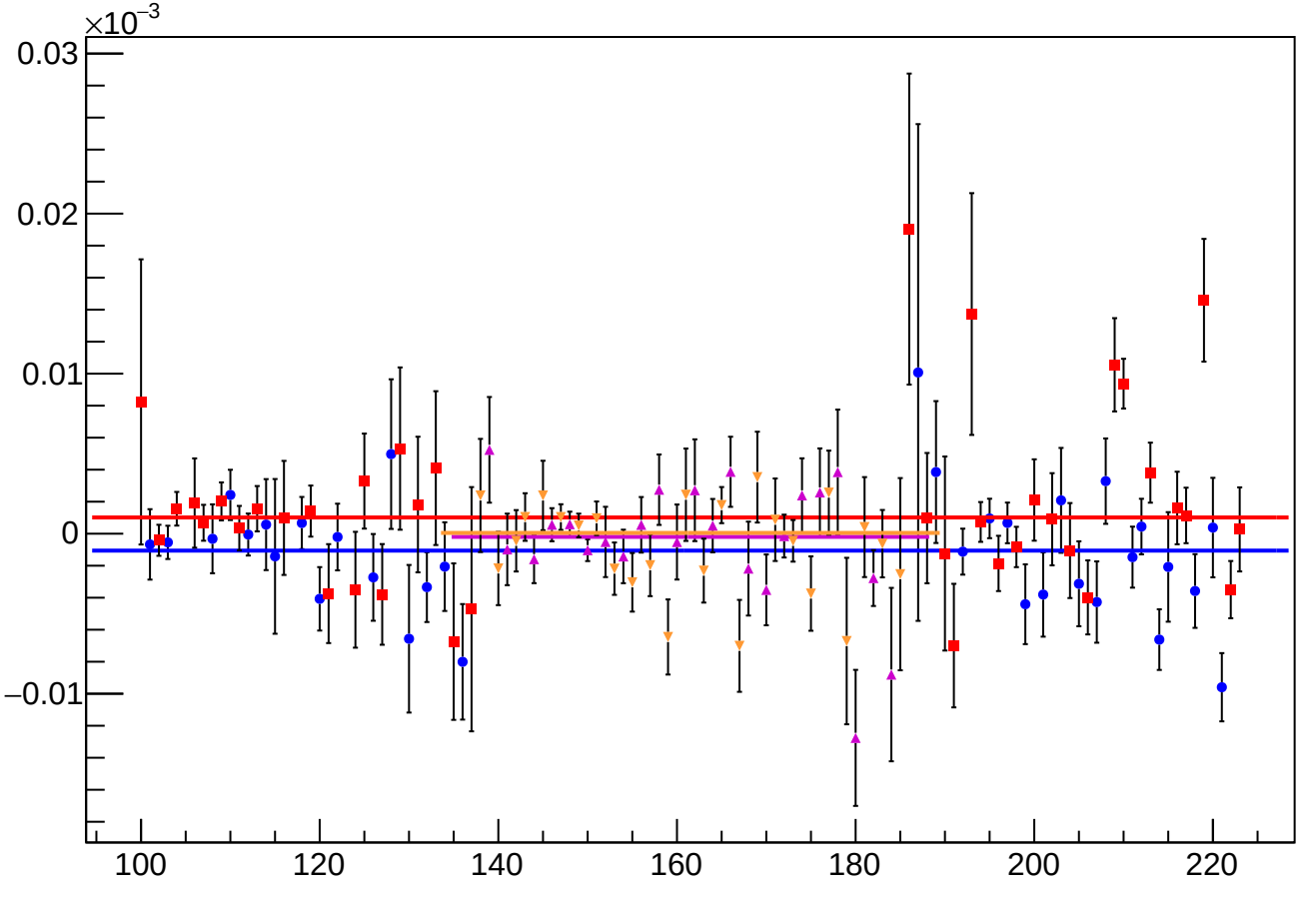
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.788+/-0.003 χ^2/NDF: 6358105.6/72

In: 27.600+/-0.003 χ^2/NDF:5886861.0/56

Out: 27.786+/-0.003 χ^2/NDF:7080492.7/63

All: 27.694+/-0.002 χ^2/NDF: 12968959.6/120



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

Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

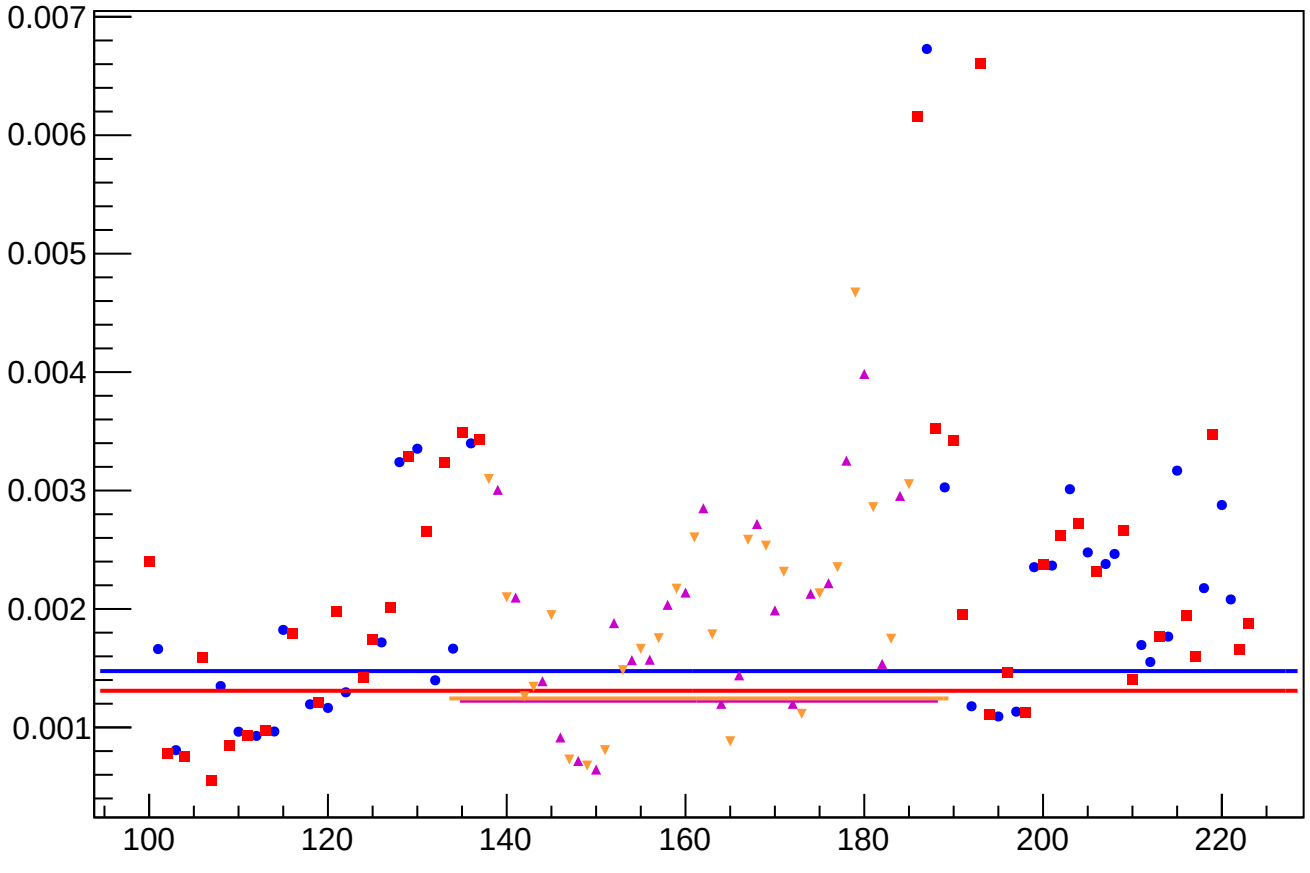
Right: 0.000+/-0.000 χ^2/NDF: 176.8/72

In: -0.000+/-0.000 χ^2/NDF:96.5/56

Out: 0.000+/-0.000 χ^2/NDF:139.0/63

All: 0.000+/-0.000 χ^2/NDF: 247.5/120

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

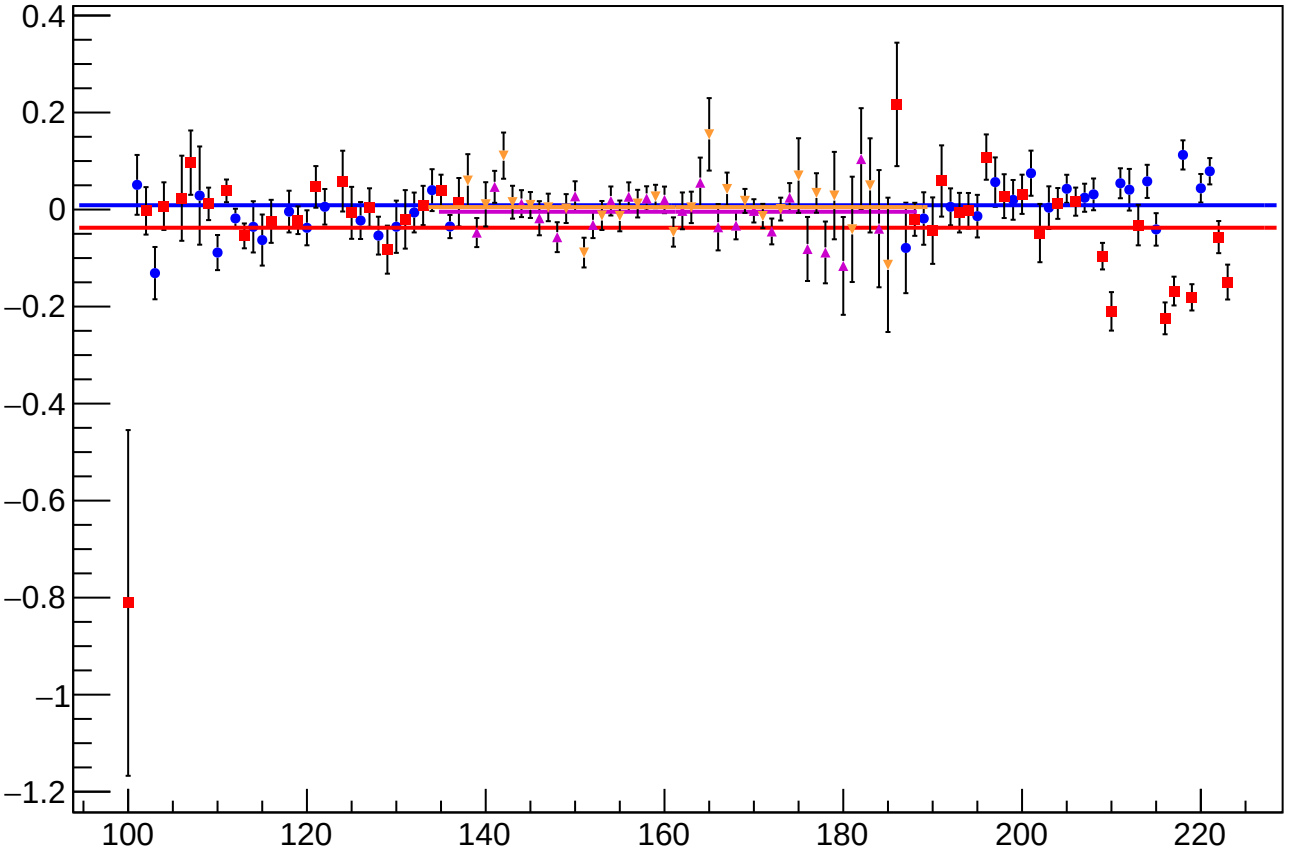
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 17025409.3/72

In: 0.001+/-0.000 χ^2/NDF:15124197.3/56

Out: 0.001+/-0.000 χ^2/NDF:18396912.4/63

All: 0.001+/-0.000 χ^2/NDF: 33600160.2/120



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

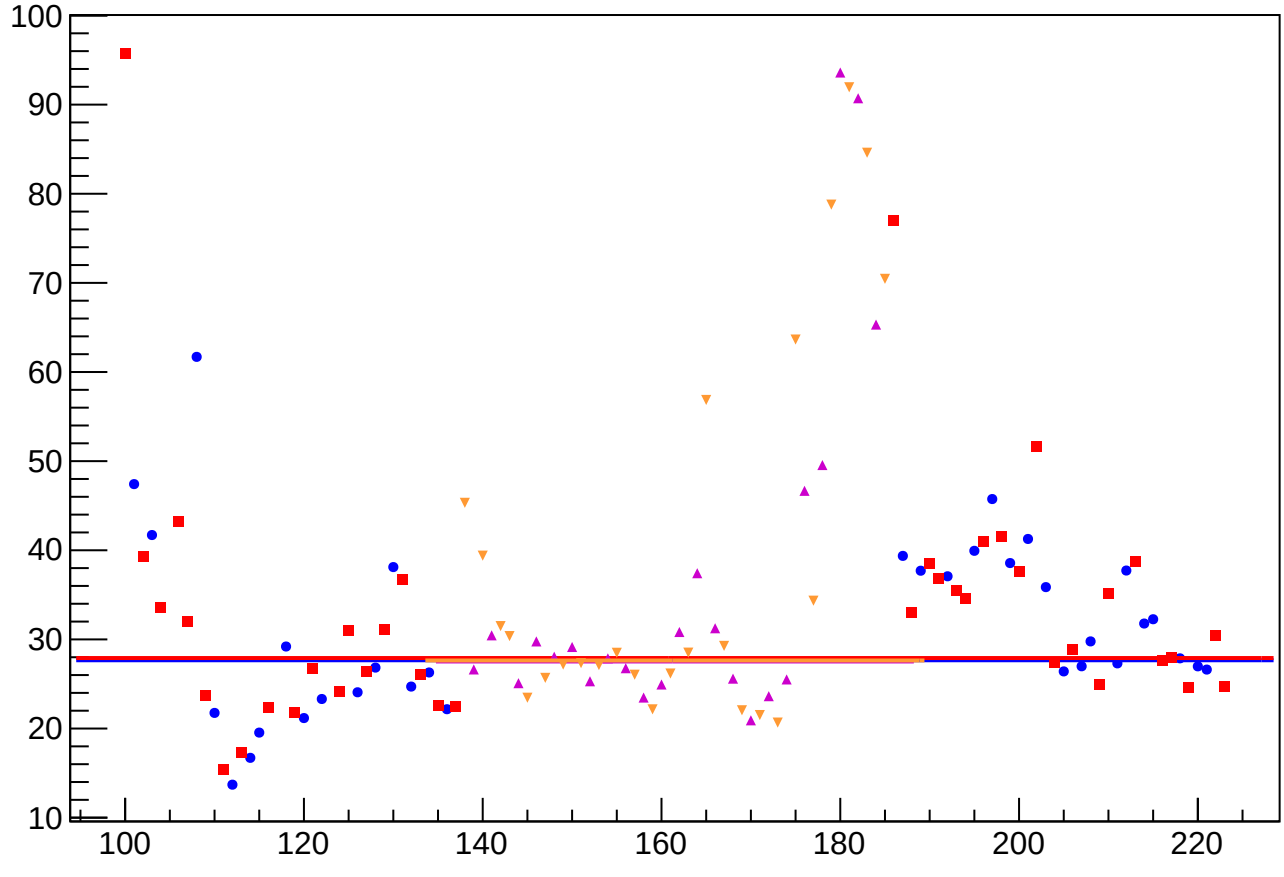
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.015+/-0.004 χ^2/NDF: 271.7/72

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.018+/-0.005 χ^2/NDF:231.6/63

All: -0.008+/-0.003 χ^2/NDF: 331.3/120



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

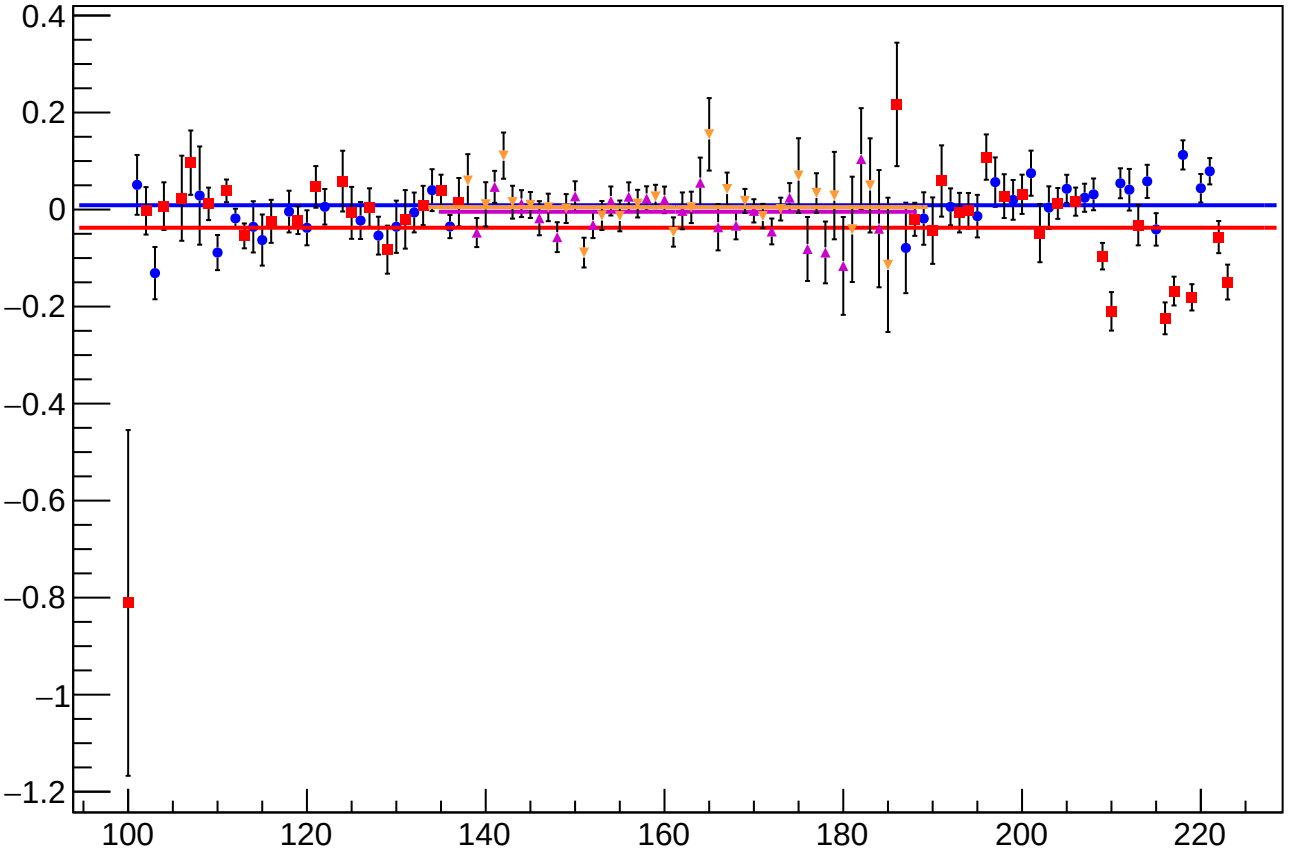
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.787+/-0.003 χ^2/NDF: 6358193.3/72

In: 27.600+/-0.003 χ^2/NDF:5886810.3/56

Out: 27.786+/-0.003 χ^2/NDF:7080531.6/63

All: 27.694+/-0.002 χ^2/NDF: 12968949.1/120



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

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

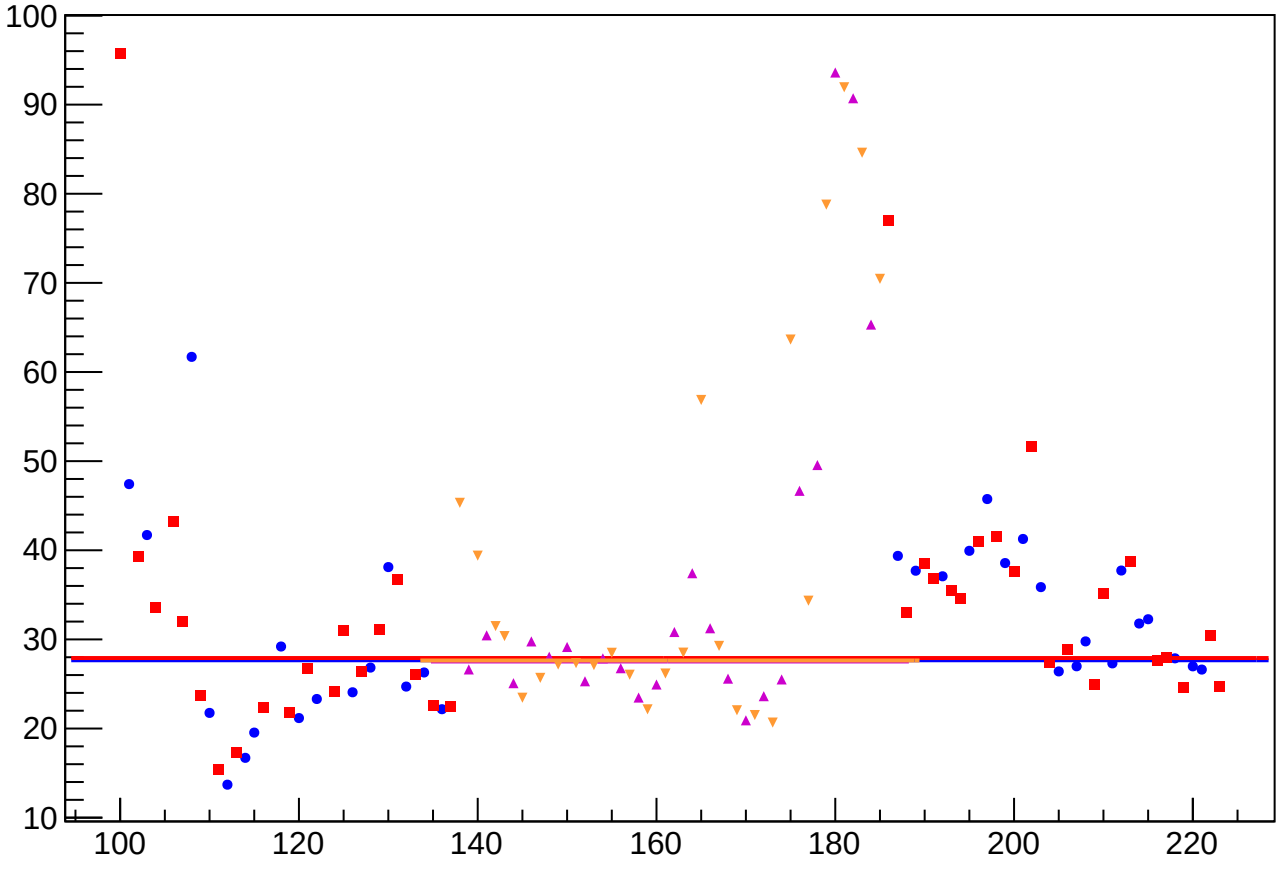
Right: -0.015+/-0.004 χ^2/NDF: 271.7/72

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.018+/-0.005 χ^2/NDF:231.6/63

All: -0.008+/-0.003 χ^2/NDF: 331.3/120

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

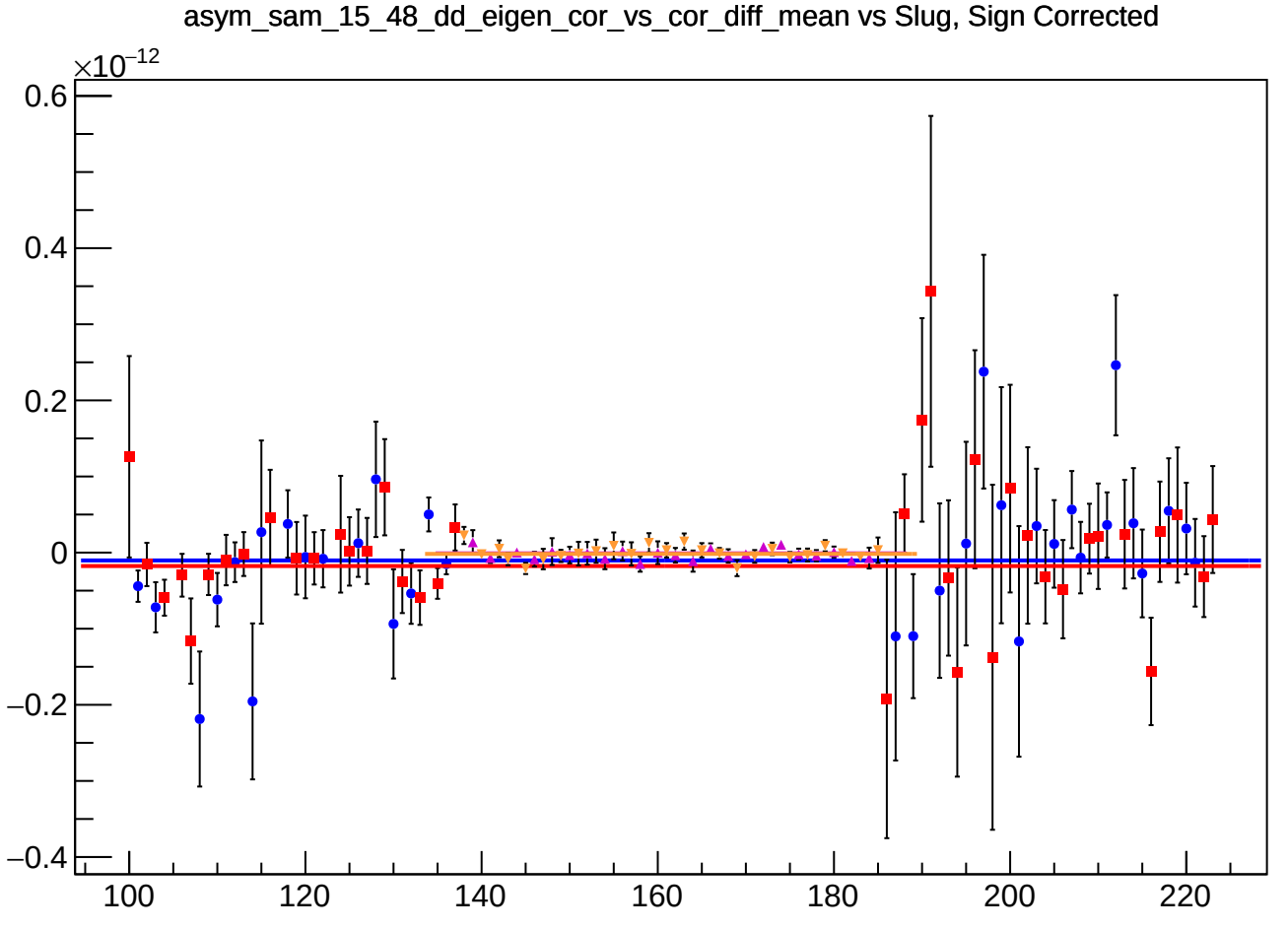
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.787+/-0.003 χ^2/NDF: 6358193.3/72

In: 27.600+/-0.003 χ^2/NDF:5886810.3/56

Out: 27.786+/-0.003 χ^2/NDF:7080531.6/63

All: 27.694+/-0.002 χ^2/NDF: 12968949.1/120



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

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

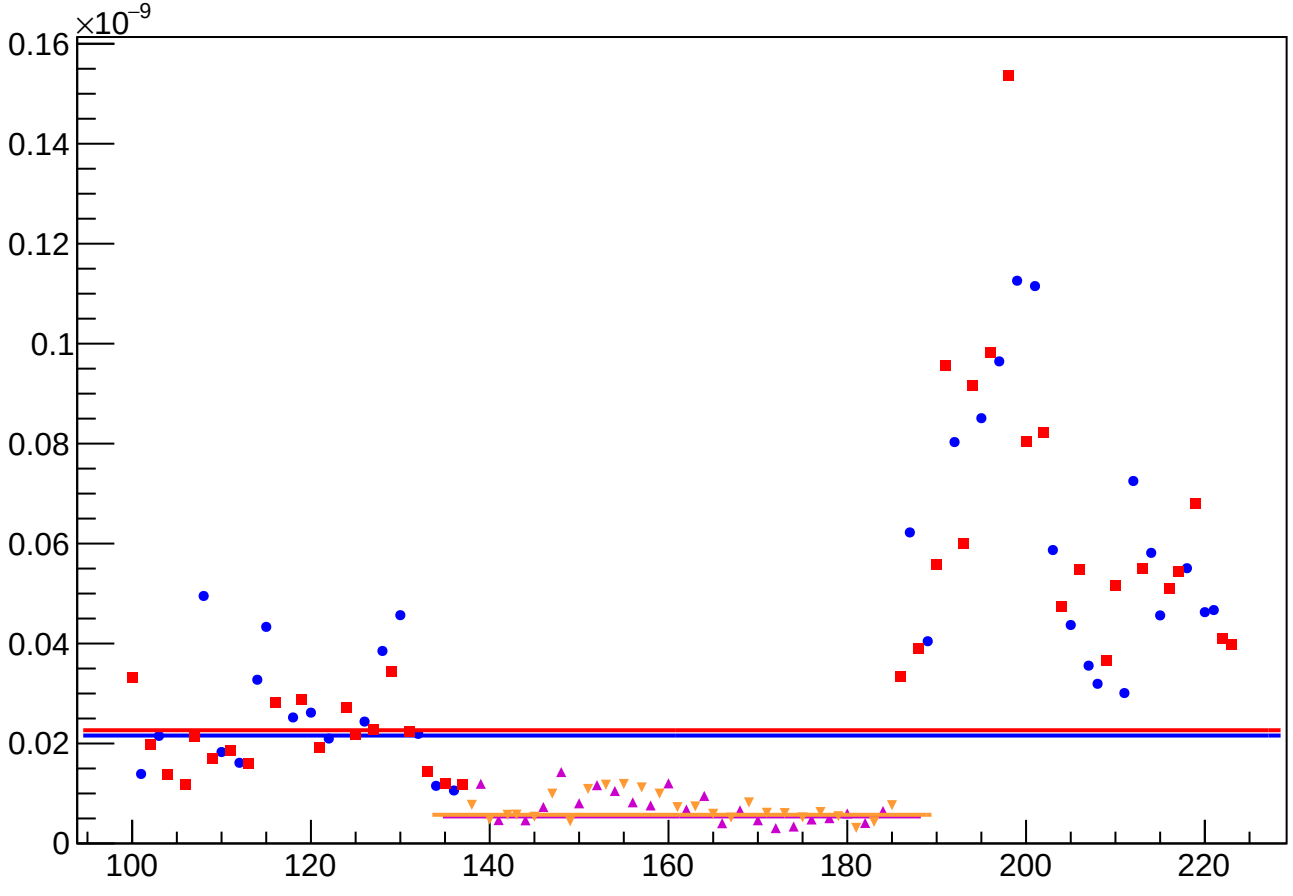
Right: -0.000+/-0.000 χ^2/NDF: 85.3/72

In: -0.000+/-0.000 χ^2/NDF:67.3/56

Out: -0.000+/-0.000 χ^2/NDF:64.8/63

All: -0.000+/-0.000 χ^2/NDF: 132.2/120

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

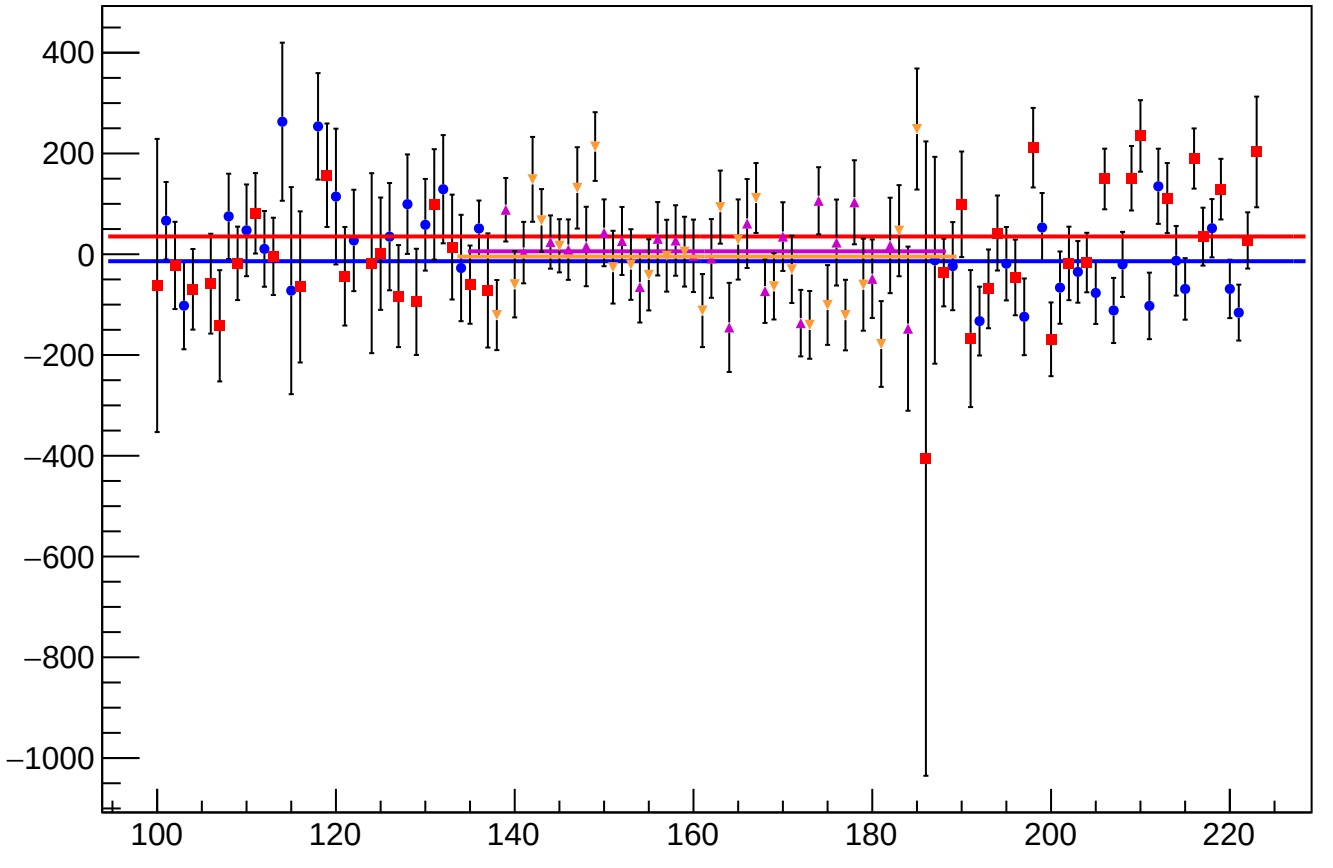
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18427701.3/72

In: 0.000+/-0.000 χ^2/NDF:23158632.5/56

Out: 0.000+/-0.000 χ^2/NDF:21888422.3/63

All: 0.000+/-0.000 χ^2/NDF: 45087472.5/120



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

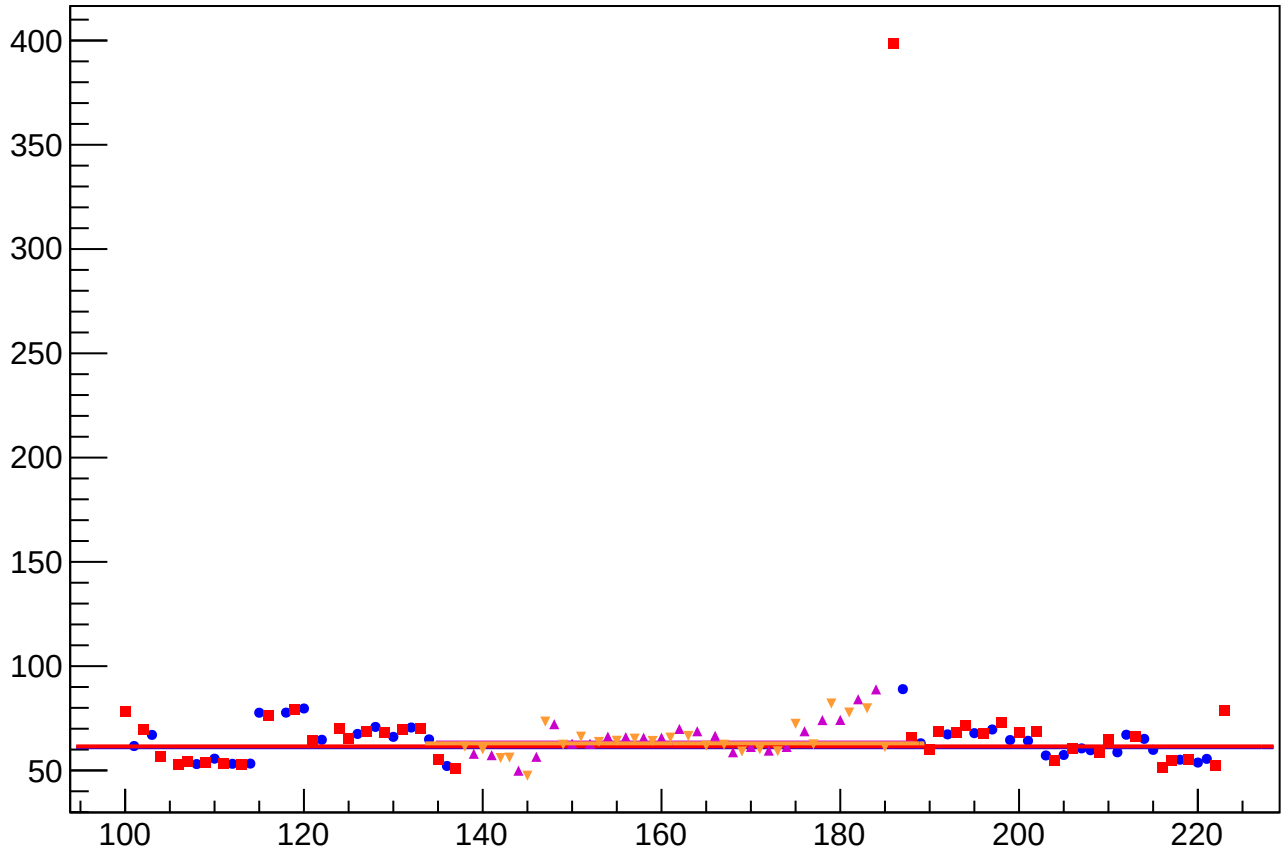
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 10.809+/-9.253 χ^2/NDF: 113.0/72

In: -5.302+/-9.852 χ^2/NDF:61.3/56

Out: 17.257+/-9.684 χ^2/NDF:115.5/63

All: 6.171+/-6.906 χ^2/NDF: 179.5/120



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

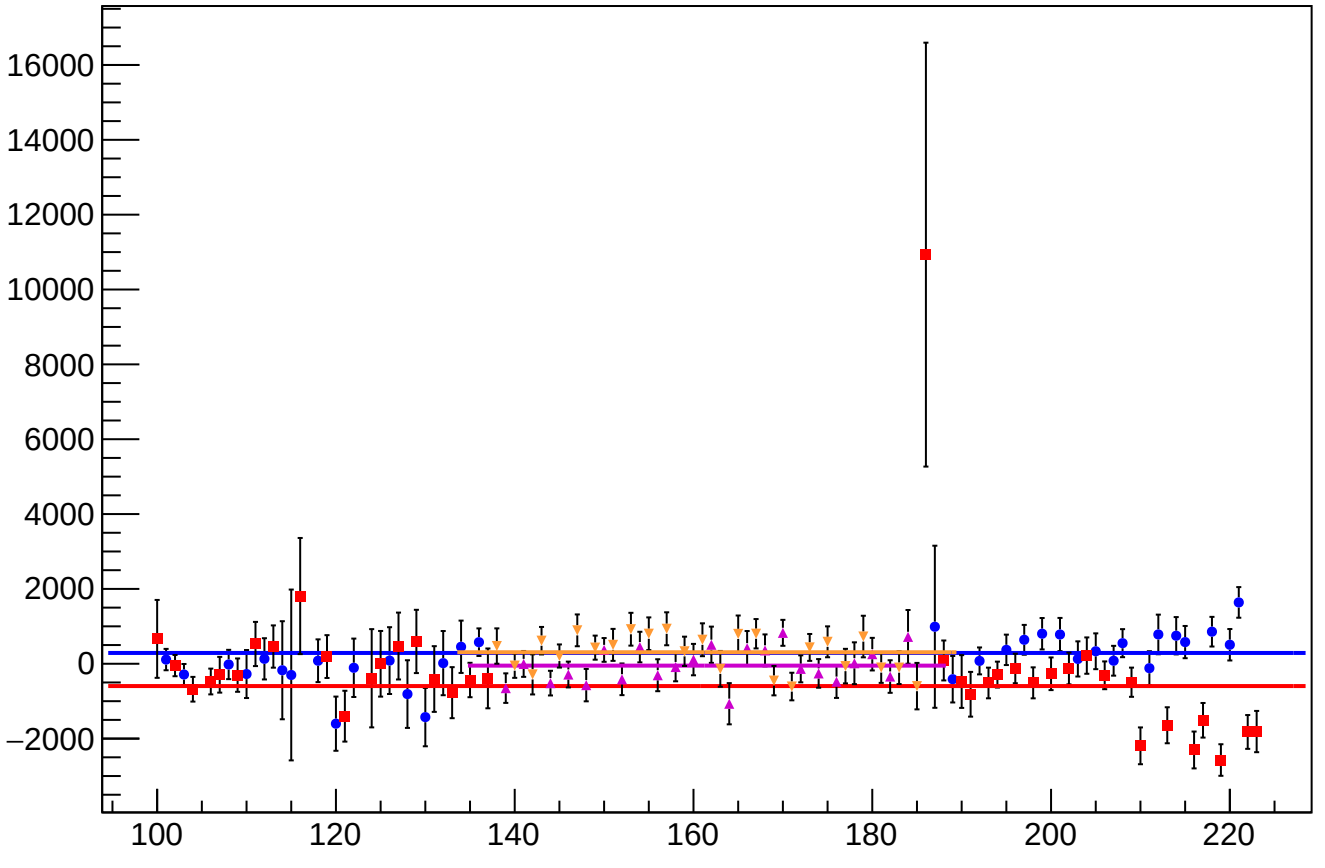
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.326+/-0.007 χ^2/NDF: 1757260.8/72

In: 62.103+/-0.007 χ^2/NDF:1009323.0/56

Out: 62.176+/-0.007 χ^2/NDF:1807327.9/63

All: 62.140+/-0.005 χ^2/NDF: 2816706.0/120



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

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

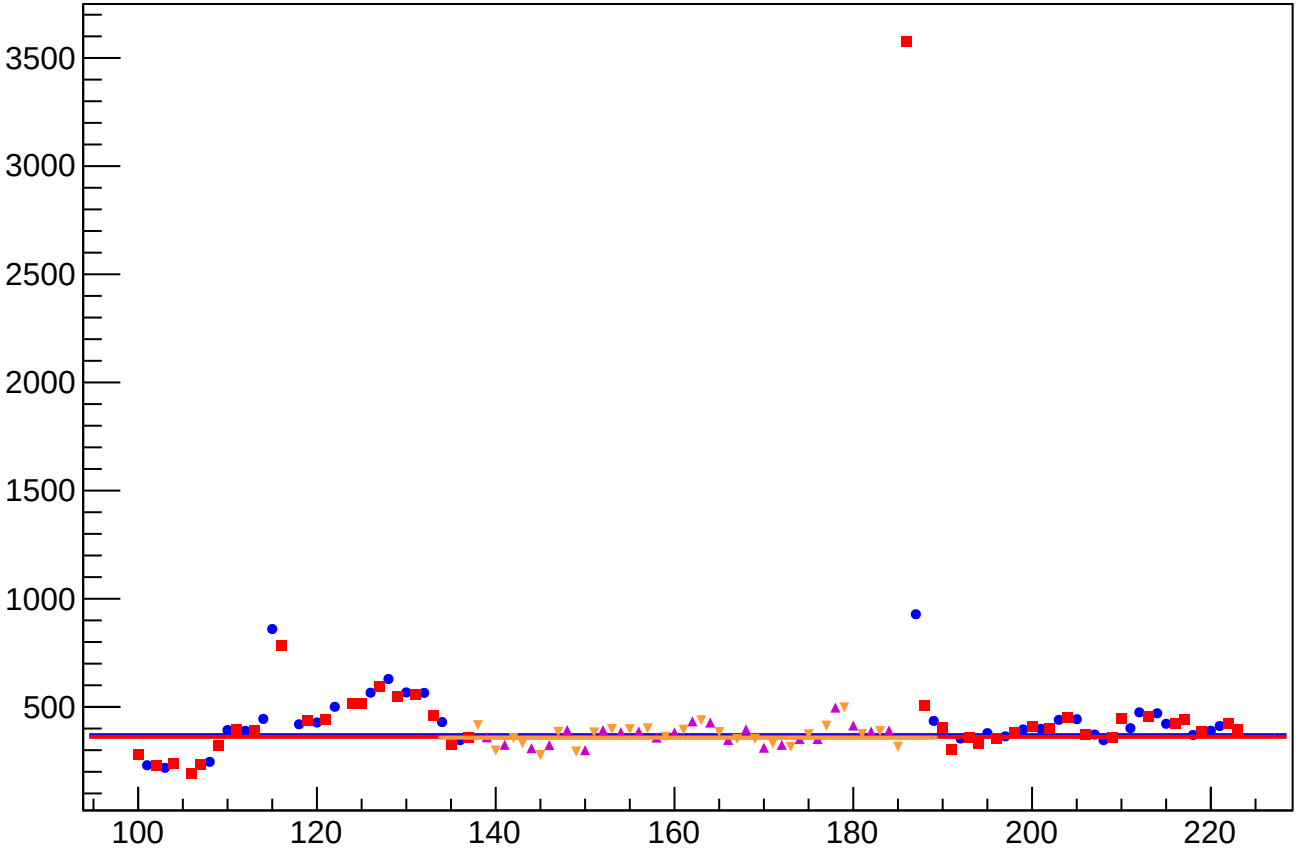
Right: -167.633+/-56.569 χ^2/NDF: 206.2/72

In: 126.574+/-58.699 χ^2/NDF:78.5/56

Out: -164.559+/-56.922 χ^2/NDF:195.6/63

All: -23.464+/-40.864 χ^2/NDF: 286.8/120

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



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

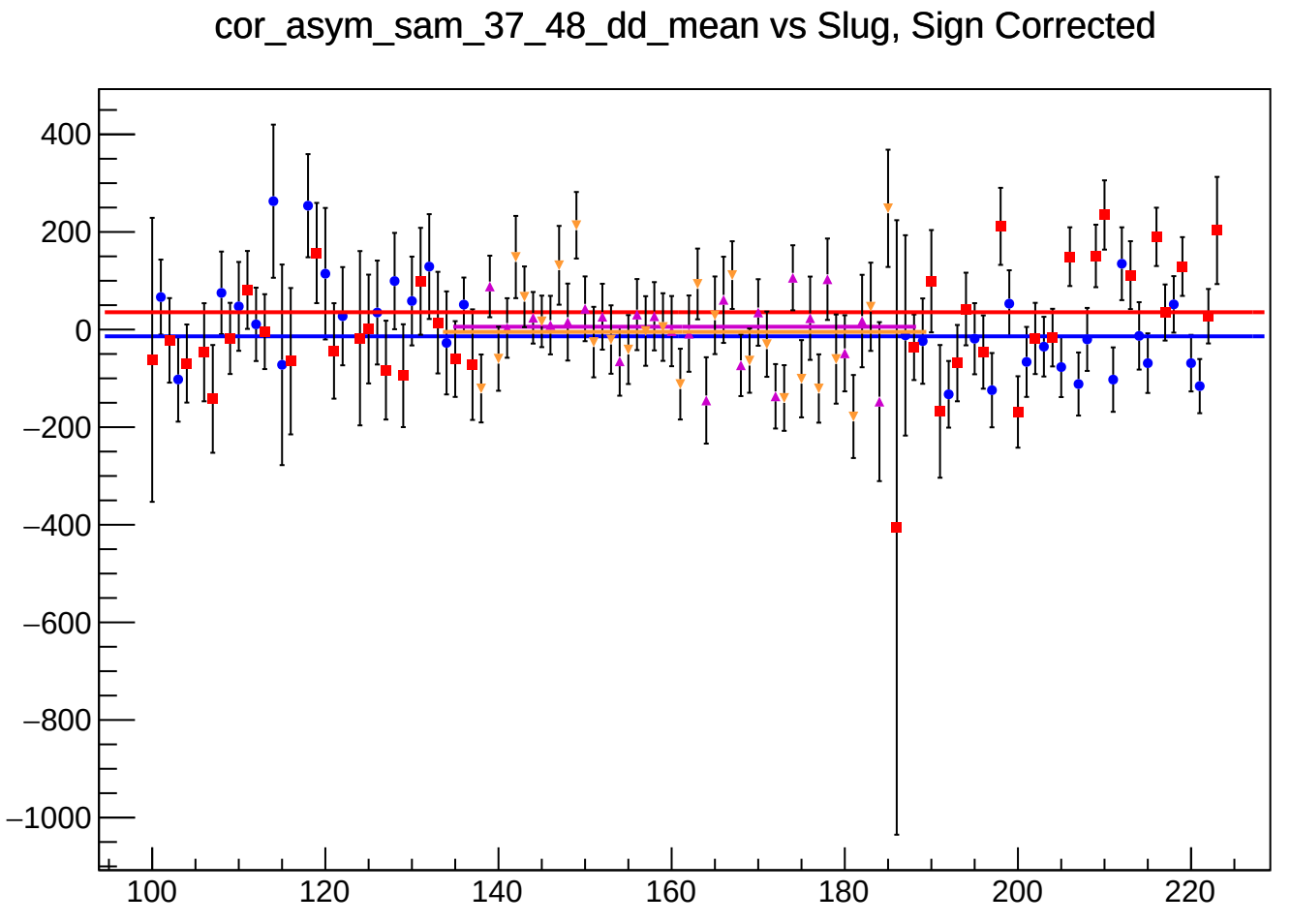
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 365.430+/-0.040 χ^2/NDF: 5798376.7/72

In: 364.638+/-0.042 χ^2/NDF:2997145.3/56

Out: 359.759+/-0.040 χ^2/NDF:4012257.0/63

All: 362.124+/-0.029 χ^2/NDF: 7016523.4/120



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

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

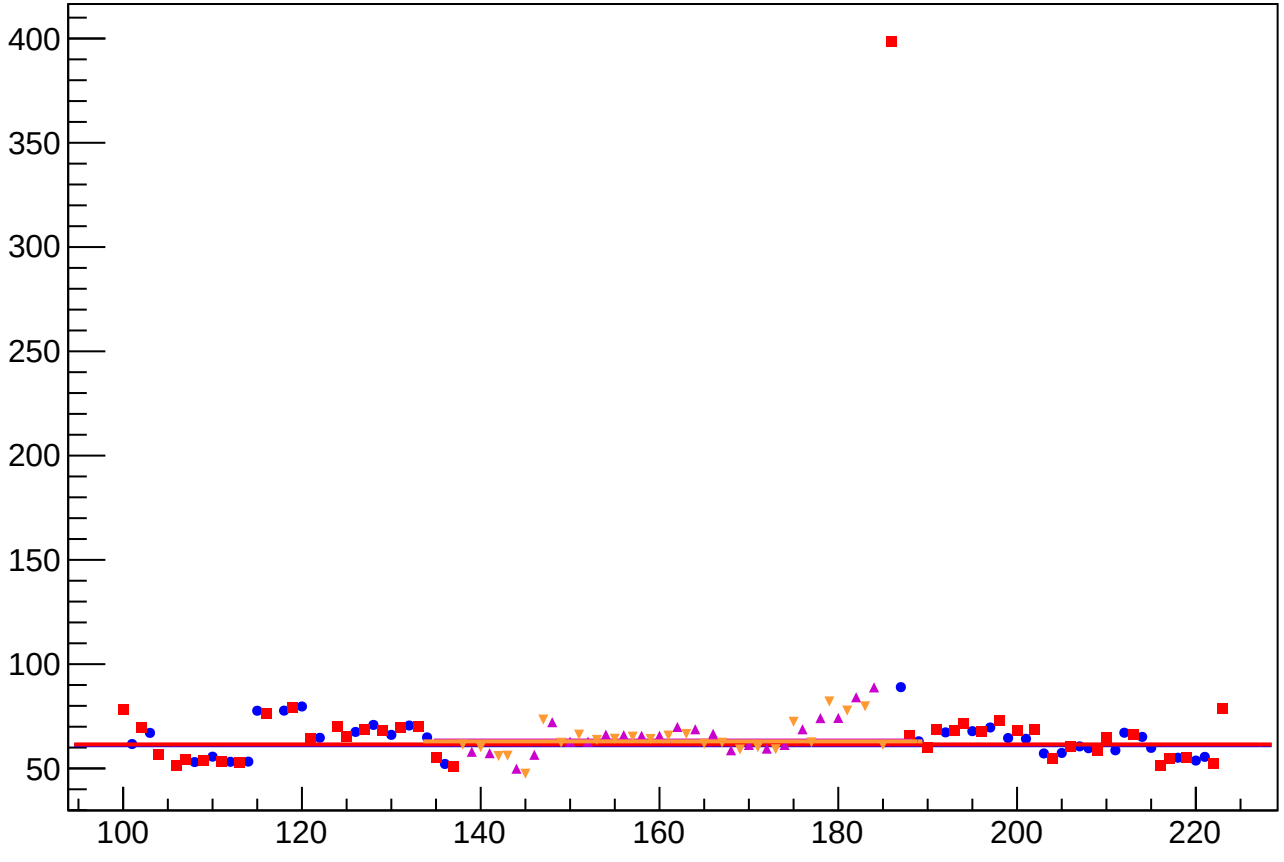
Right: 10.926+/-9.254 χ^2/NDF: 112.9/72

In: -5.304+/-9.852 χ^2/NDF:61.3/56

Out: 17.386+/-9.685 χ^2/NDF:115.3/63

All: 6.234+/-6.906 χ^2/NDF: 179.3/120

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

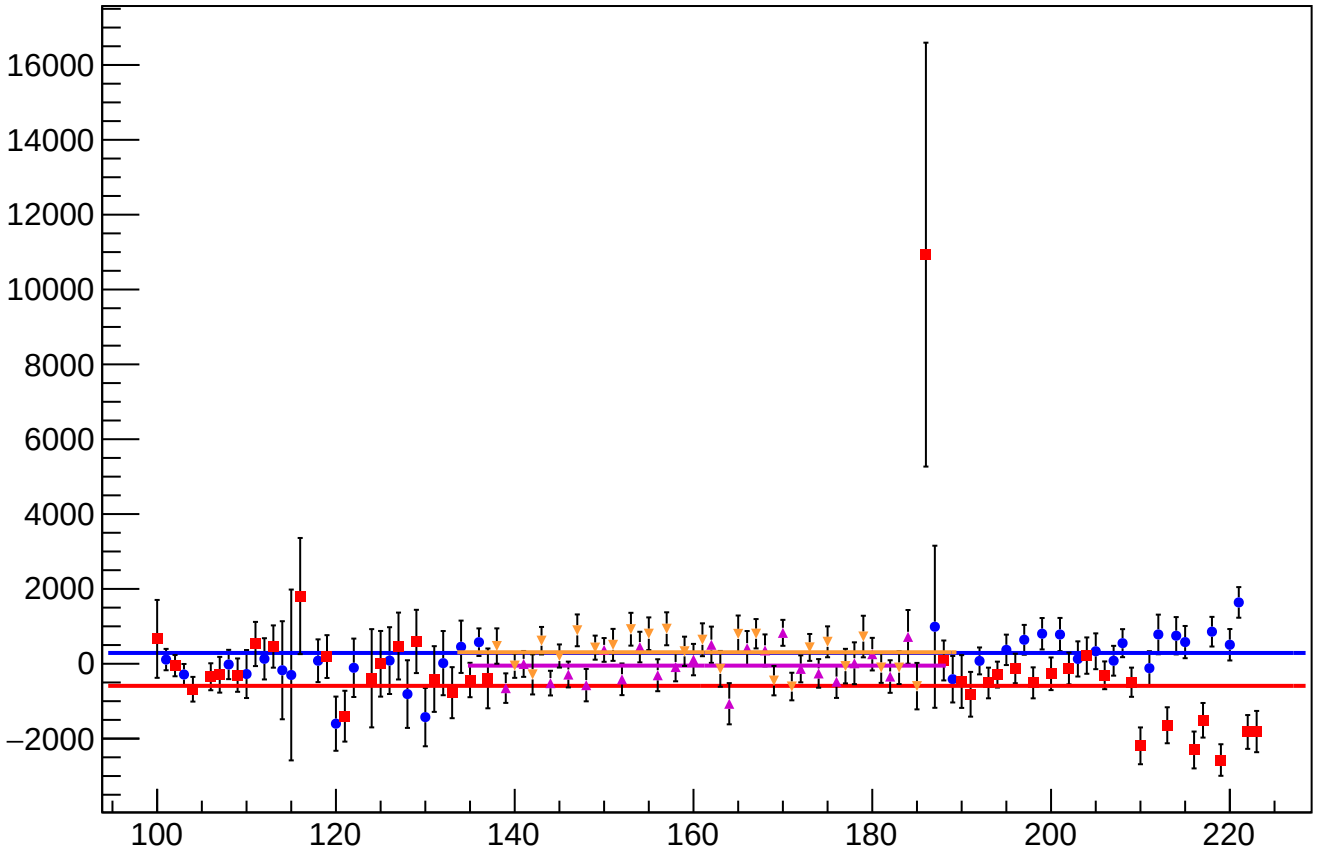
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.319+/-0.007 χ^2/NDF: 1760777.1/72

In: 62.103+/-0.007 χ^2/NDF:1009323.2/56

Out: 62.169+/-0.007 χ^2/NDF:1811108.3/63

All: 62.137+/-0.005 χ^2/NDF: 2820476.2/120



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

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

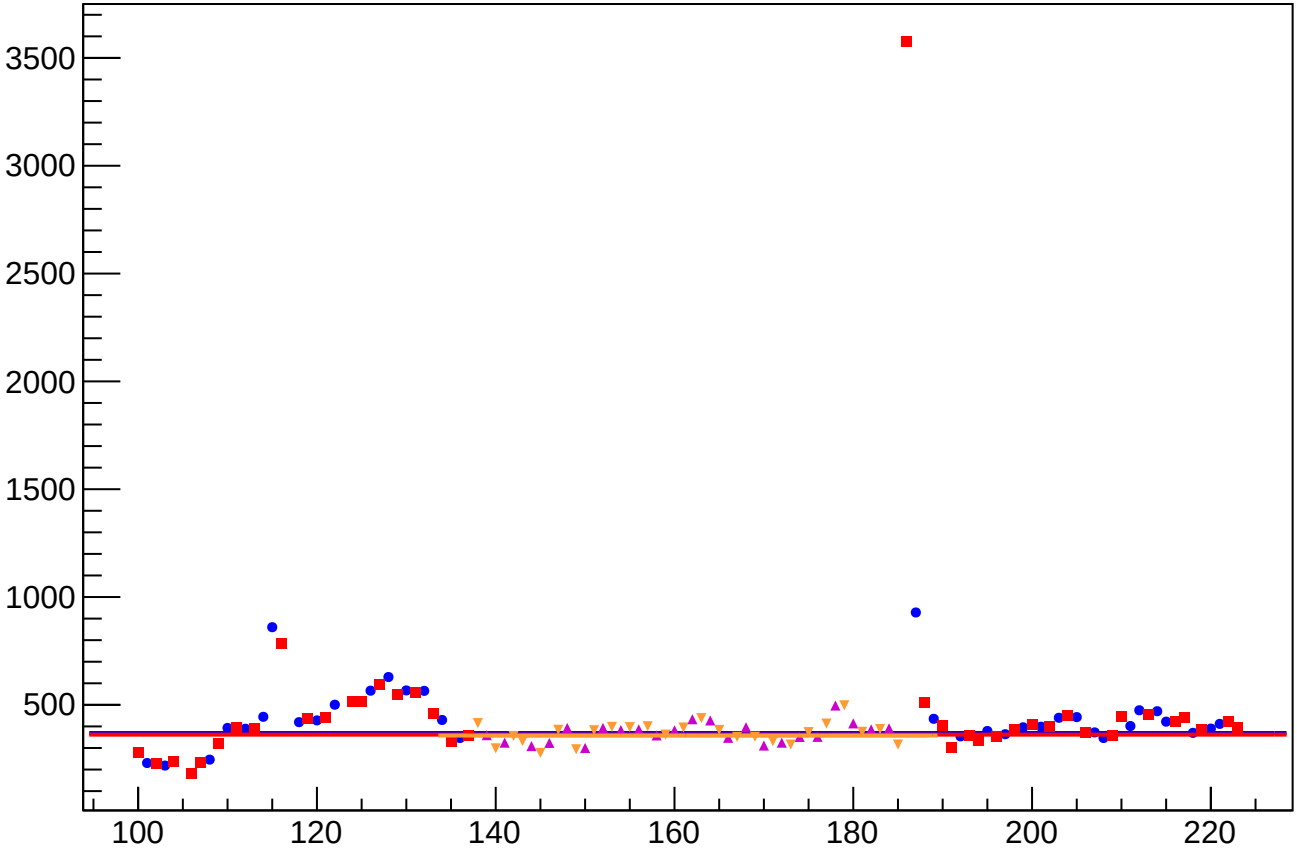
Right: -163.838+/-56.637 χ^2/NDF: 205.7/72

In: 126.577+/-58.699 χ^2/NDF:78.5/56

Out: -160.712+/-56.992 χ^2/NDF:195.1/63

All: -21.306+/-40.889 χ^2/NDF: 285.9/120

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



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

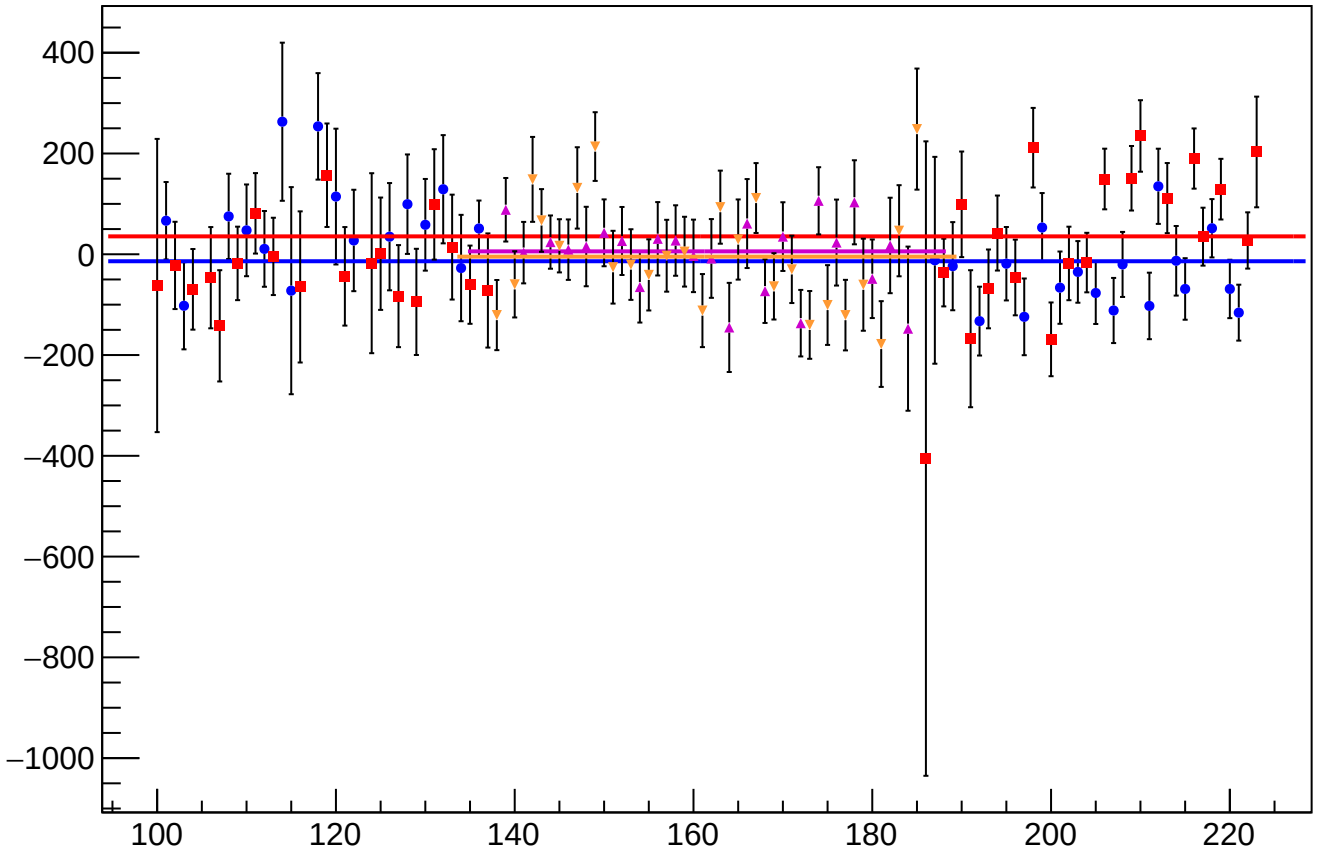
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 365.594+/-0.040 χ^2/NDF: 5810120.4/72

In: 364.639+/-0.042 χ^2/NDF:2997059.4/56

Out: 359.912+/-0.040 χ^2/NDF:4025201.7/63

All: 362.206+/-0.029 χ^2/NDF: 7028937.9/120



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

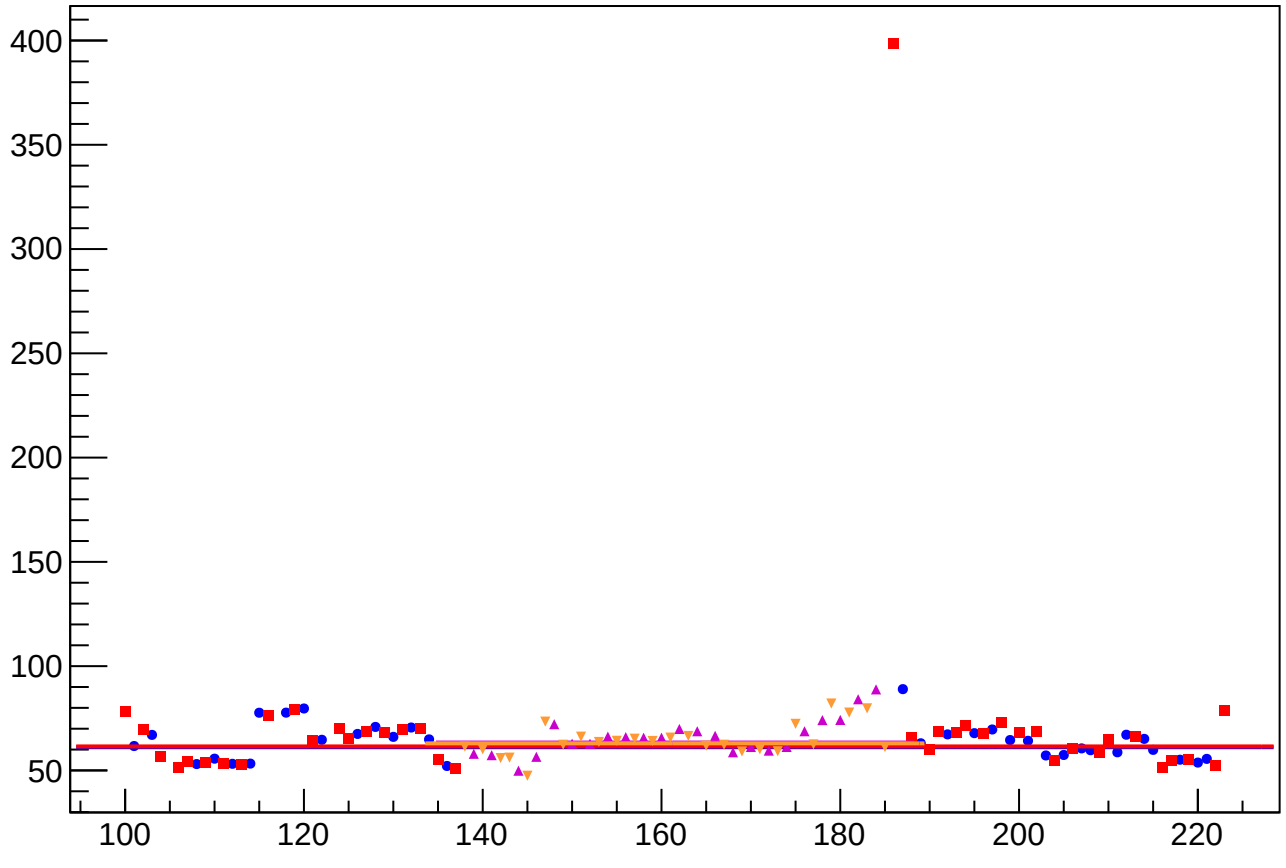
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 10.926+/-9.254 χ^2/NDF: 112.9/72

In: -5.304+/-9.852 χ^2/NDF:61.3/56

Out: 17.386+/-9.685 χ^2/NDF:115.3/63

All: 6.234+/-6.906 χ^2/NDF: 179.3/120



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

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

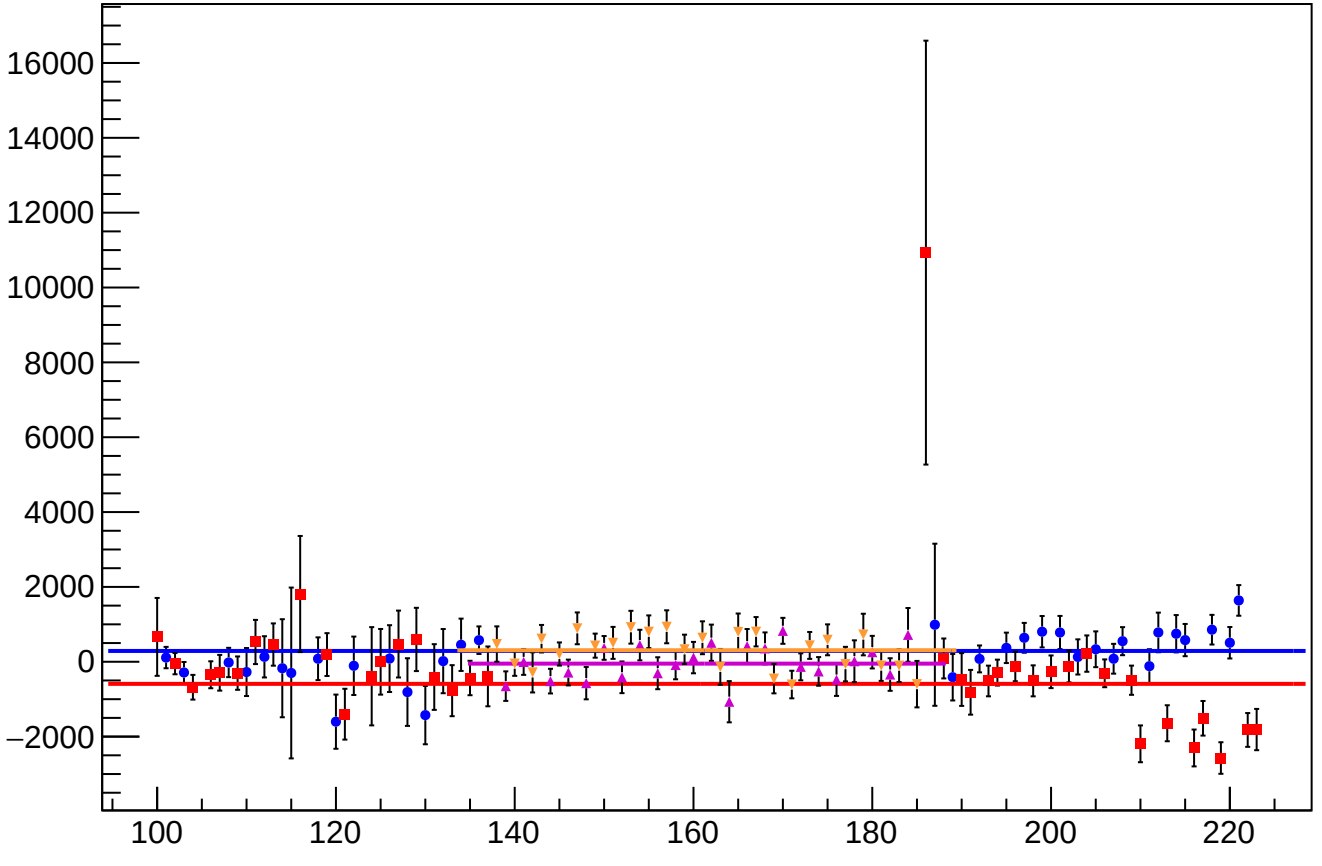
Right: 61.319+/-0.007 χ^2/NDF: 1760777.1/72

In: 62.103+/-0.007 χ^2/NDF:1009323.2/56

Out: 62.169+/-0.007 χ^2/NDF:1811108.3/63

All: 62.137+/-0.005 χ^2/NDF: 2820476.2/120

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

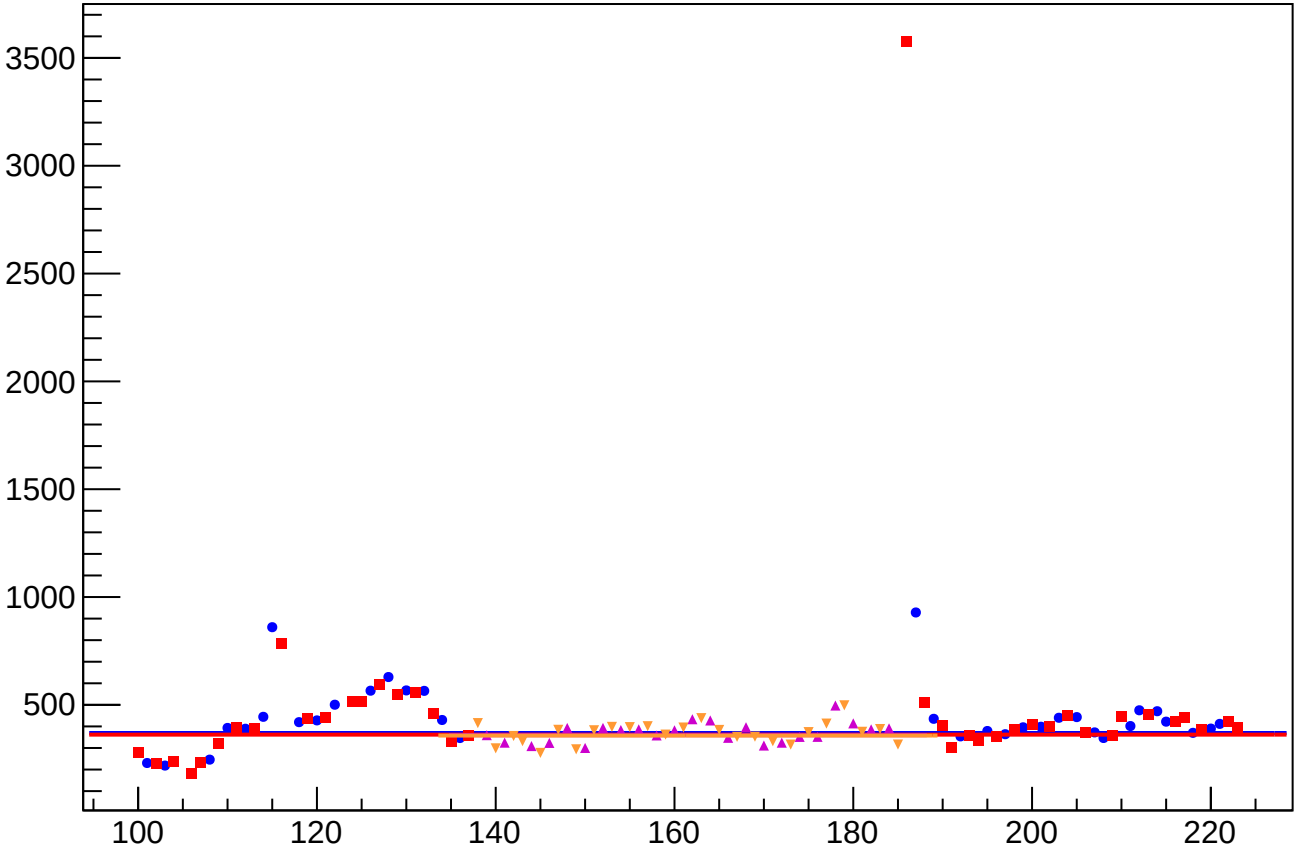
Right: -163.838+/-56.637 χ^2/NDF: 205.7/72

In: 126.577+/-58.699 χ^2/NDF:78.5/56

Out: -160.712+/-56.992 χ^2/NDF:195.1/63

All: -21.306+/-40.889 χ^2/NDF: 285.9/120

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

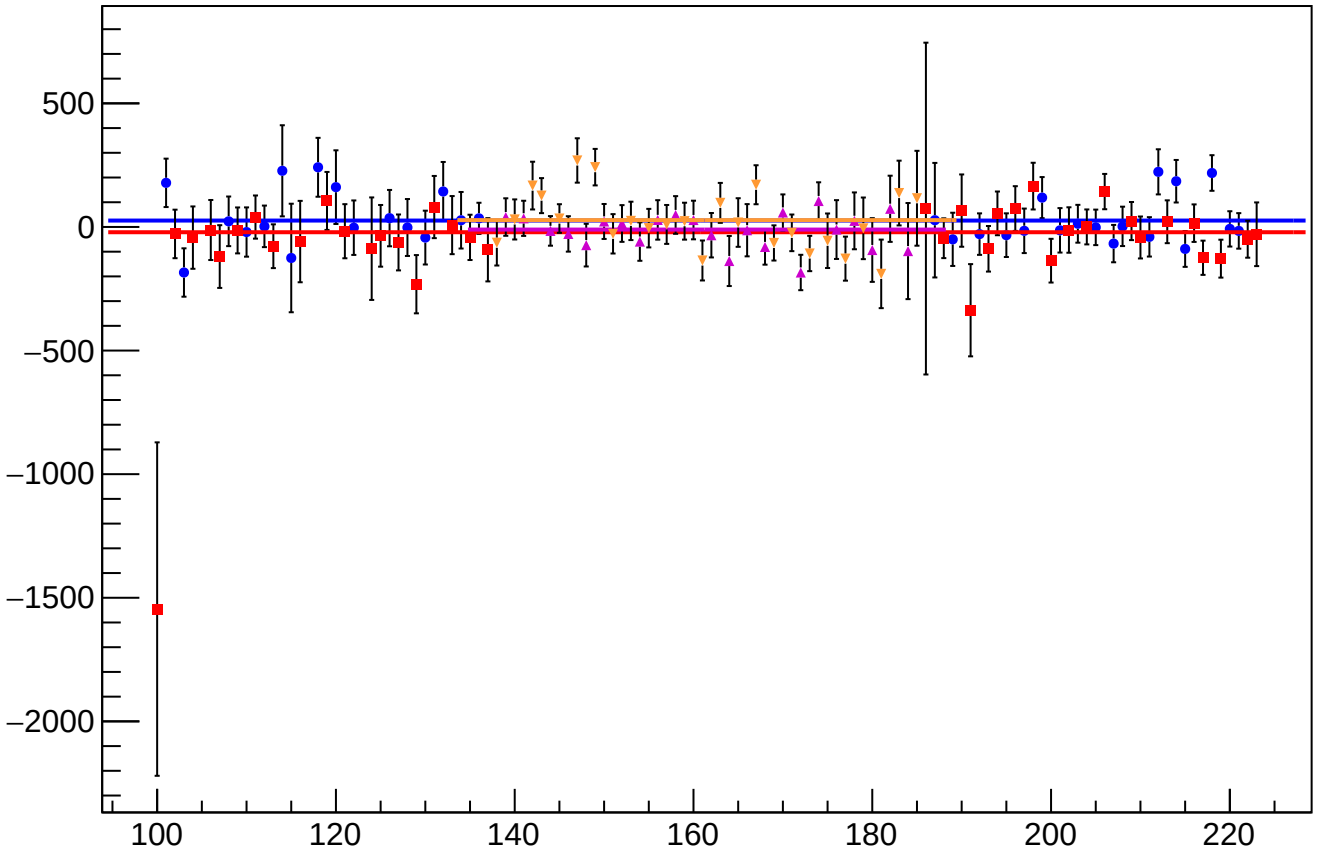
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 365.594+/-0.040 χ^2/NDF: 5810120.4/72

In: 364.639+/-0.042 χ^2/NDF:2997059.4/56

Out: 359.912+/-0.040 χ^2/NDF:4025201.7/63

All: 362.206+/-0.029 χ^2/NDF: 7028937.9/120



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

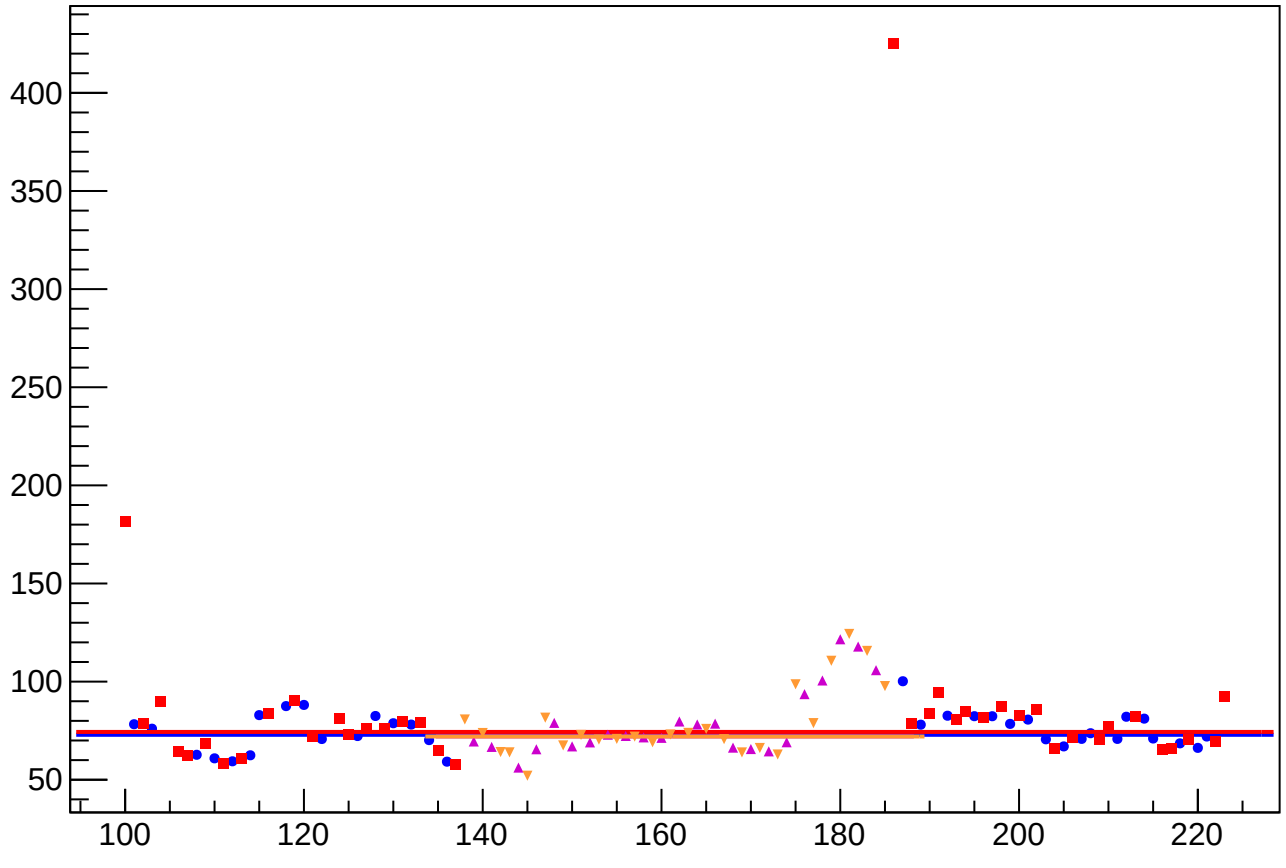
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 2.514+/-11.119 χ^2/NDF: 77.2/72

In: 9.431+/-11.583 χ^2/NDF:56.9/56

Out: 1.735+/-11.490 χ^2/NDF:81.2/63

All: 5.552+/-8.158 χ^2/NDF: 138.3/120



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

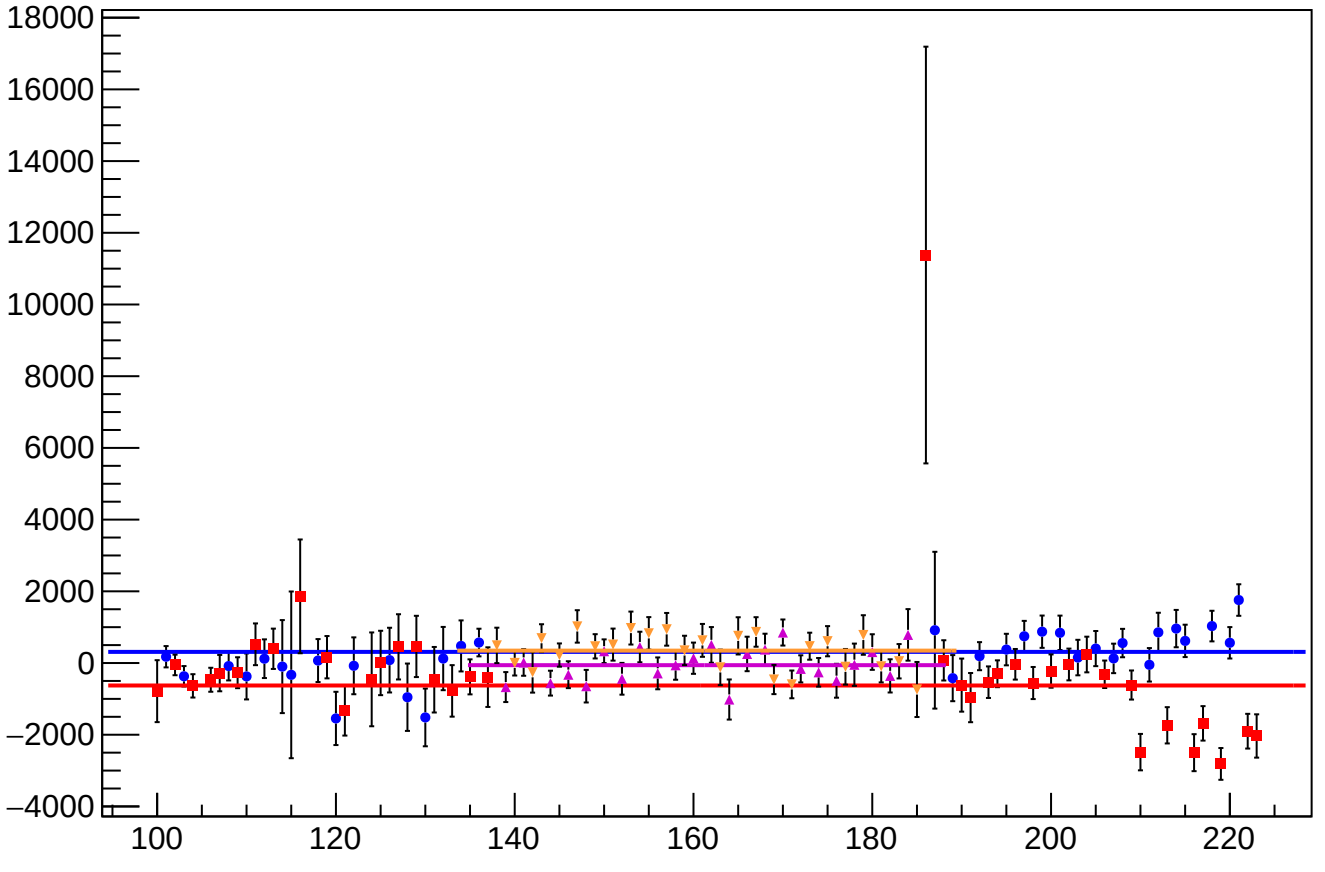
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 73.627+/-0.008 χ^2/NDF: 1745942.0/72

In: 72.535+/-0.008 χ^2/NDF:1563540.2/56

Out: 73.271+/-0.008 χ^2/NDF:2524886.4/63

All: 72.906+/-0.006 χ^2/NDF: 4092493.4/120



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

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

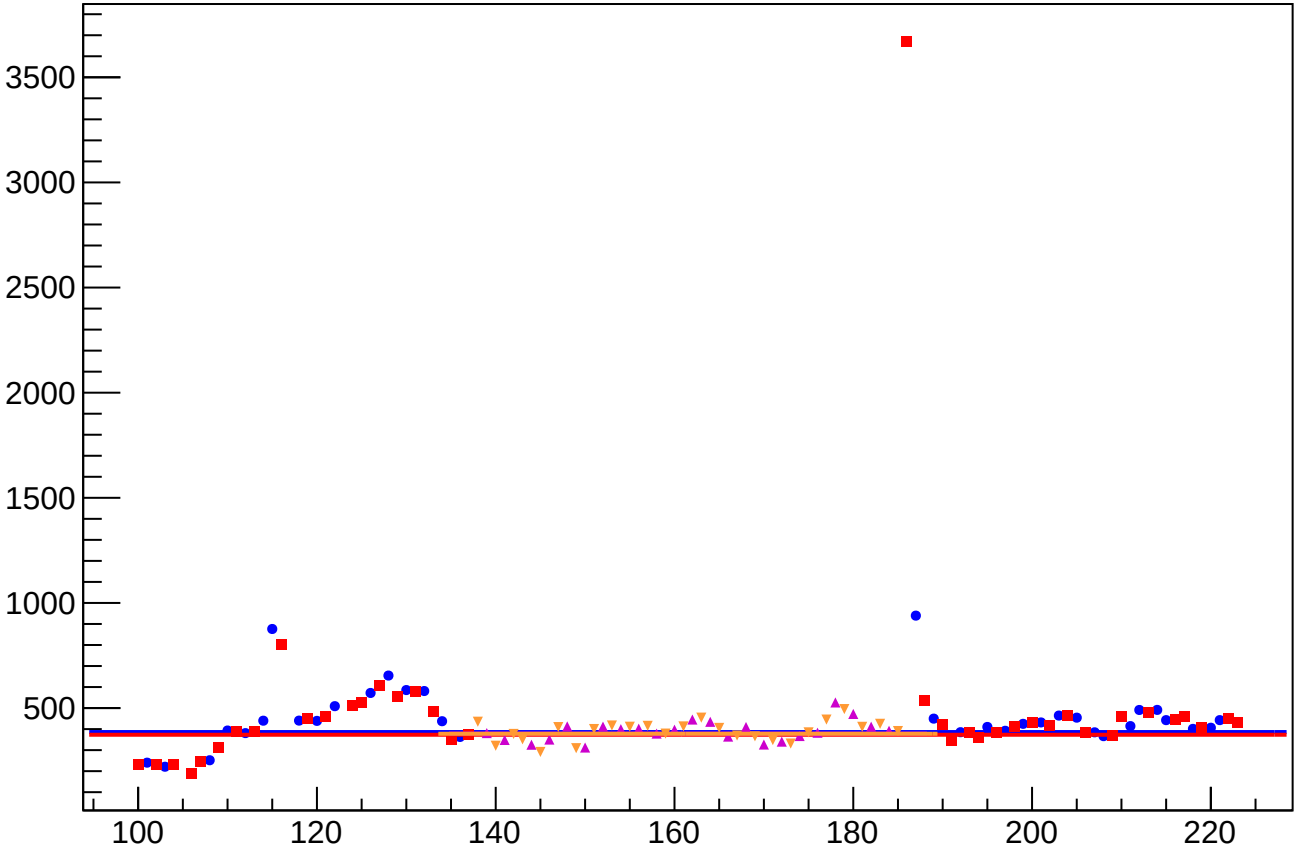
Right: -177.032+/-58.827 χ^2/NDF: 219.3/72

In: 134.889+/-61.582 χ^2/NDF:81.1/56

Out: -170.739+/-59.442 χ^2/NDF:205.3/63

All: -23.327+/-42.768 χ^2/NDF: 299.2/120

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



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

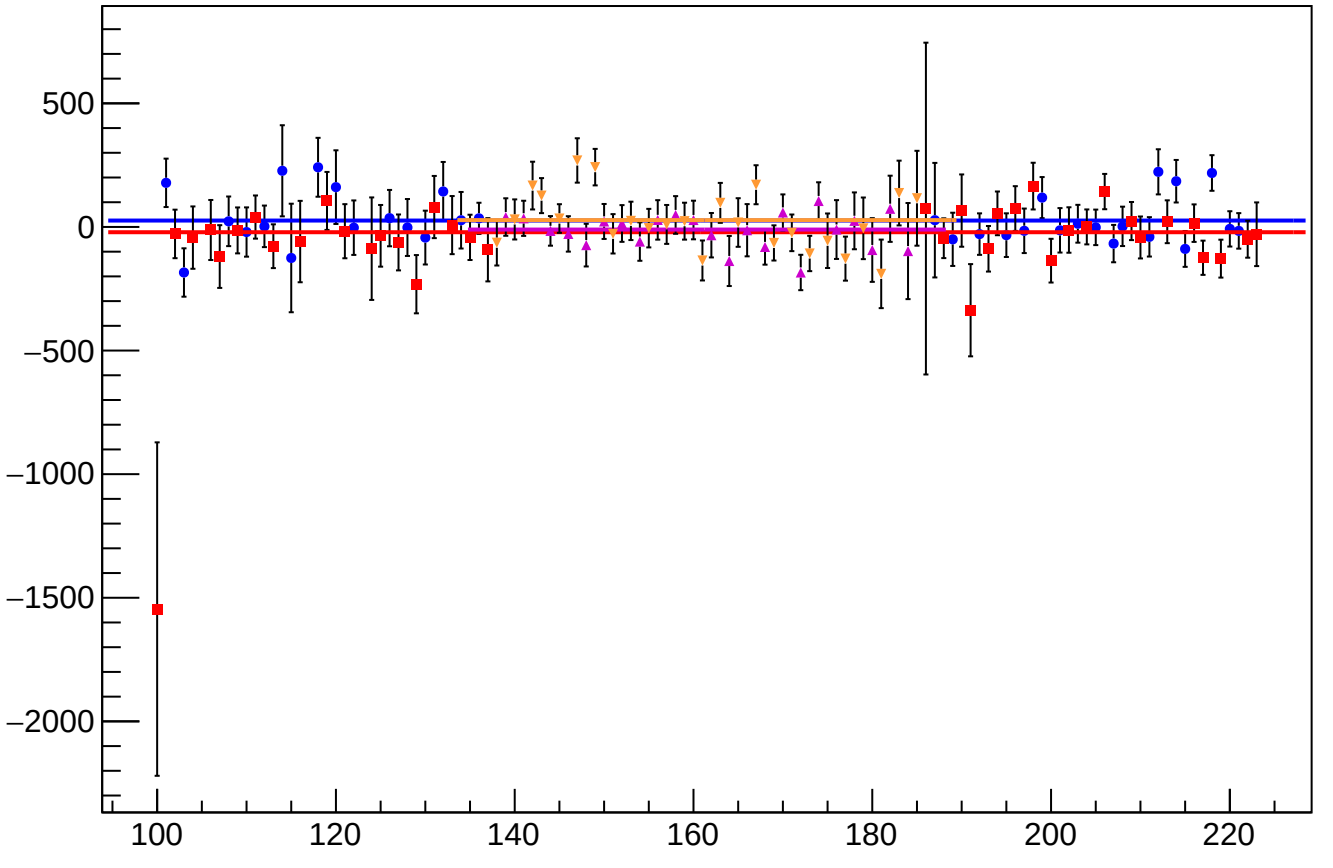
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 379.290+/-0.042 χ^2/NDF: 6244851.7/72

In: 382.602+/-0.044 χ^2/NDF:3082165.1/56

Out: 375.319+/-0.042 χ^2/NDF:4313010.4/63

All: 378.832+/-0.030 χ^2/NDF: 7409657.9/120



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

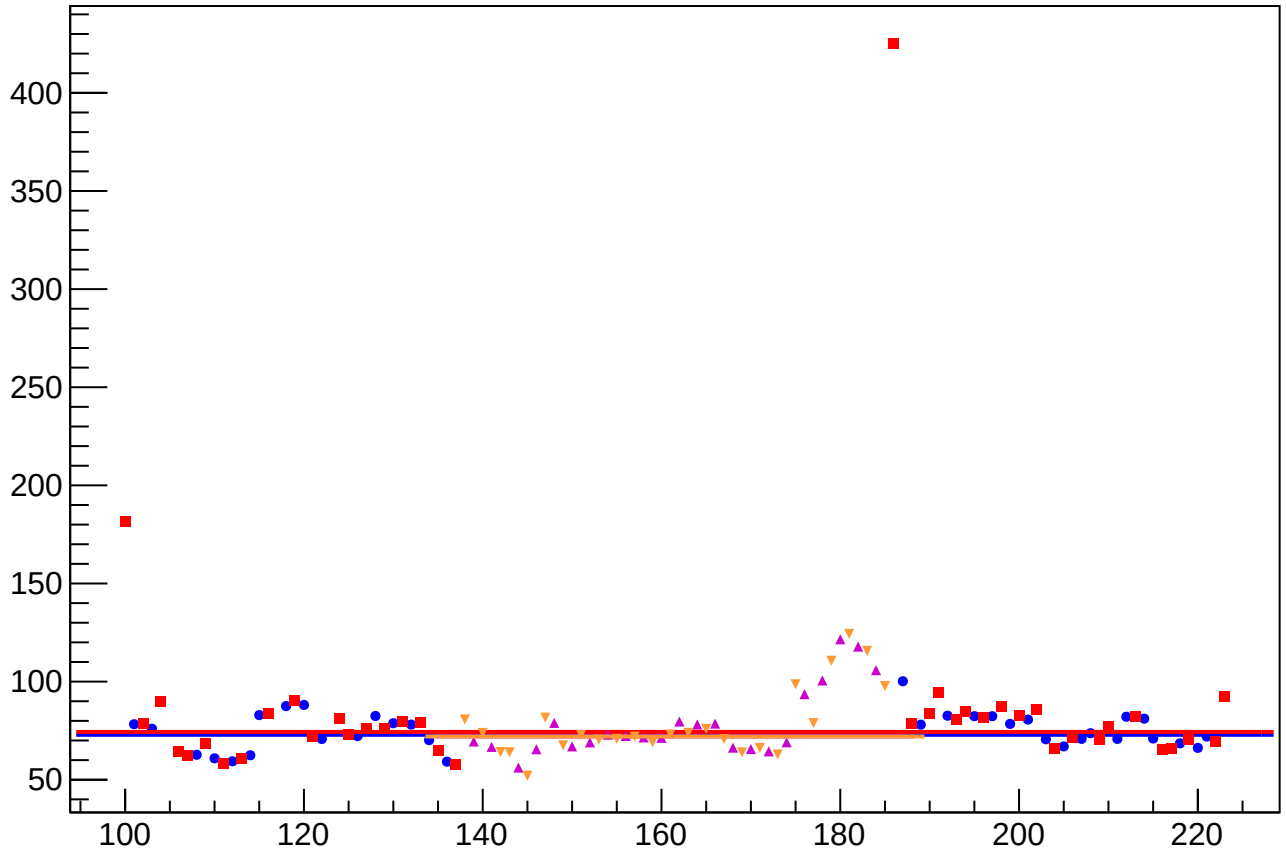
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 2.514+/-11.119 χ^2/NDF: 77.2/72

In: 9.431+/-11.583 χ^2/NDF:56.9/56

Out: 1.735+/-11.490 χ^2/NDF:81.2/63

All: 5.552+/-8.158 χ^2/NDF: 138.3/120



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

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

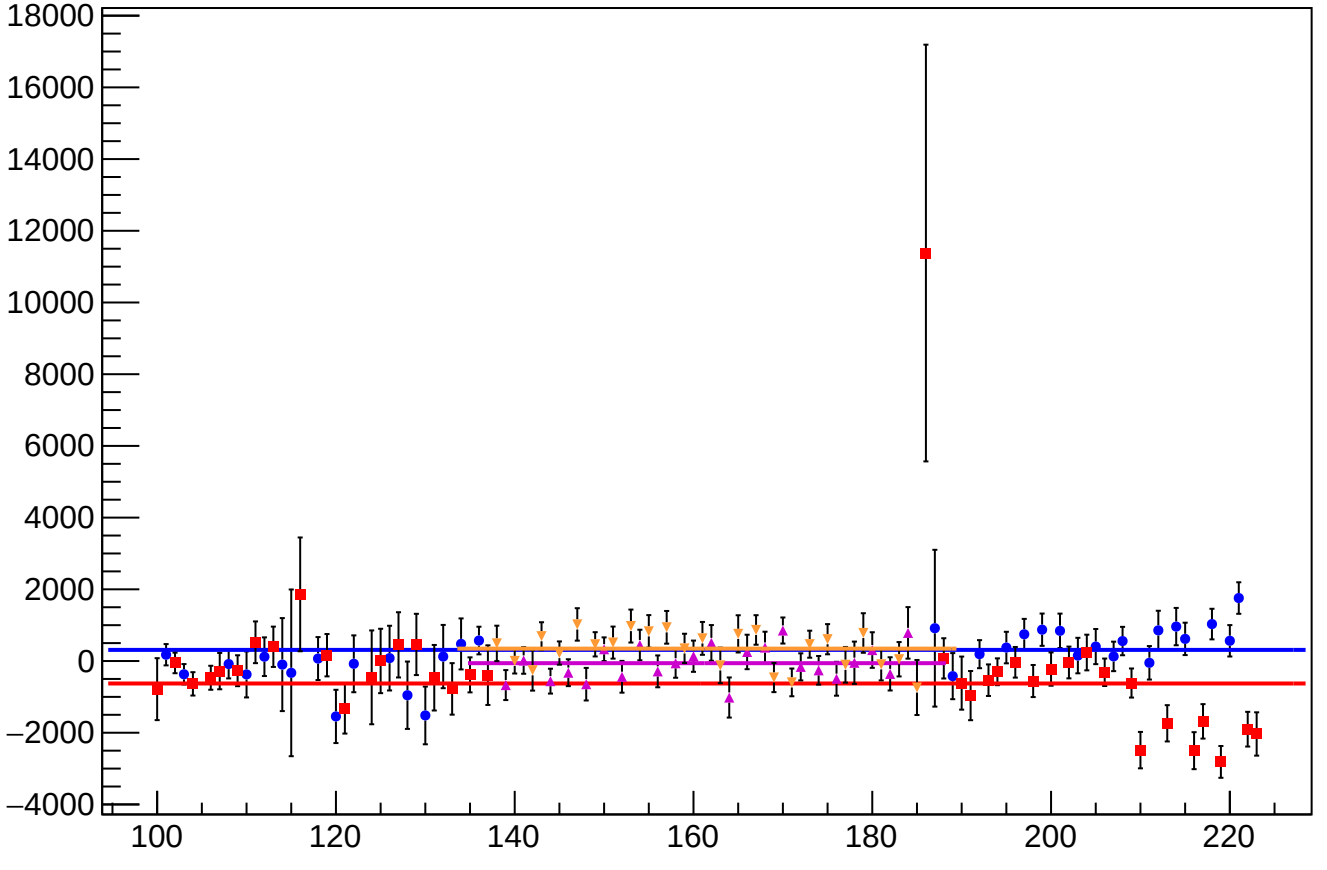
Right: 73.627+/-0.008 χ^2/NDF: 1745952.4/72

In: 72.535+/-0.008 χ^2/NDF:1563535.9/56

Out: 73.271+/-0.008 χ^2/NDF:2524894.0/63

All: 72.906+/-0.006 χ^2/NDF: 4092497.3/120

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

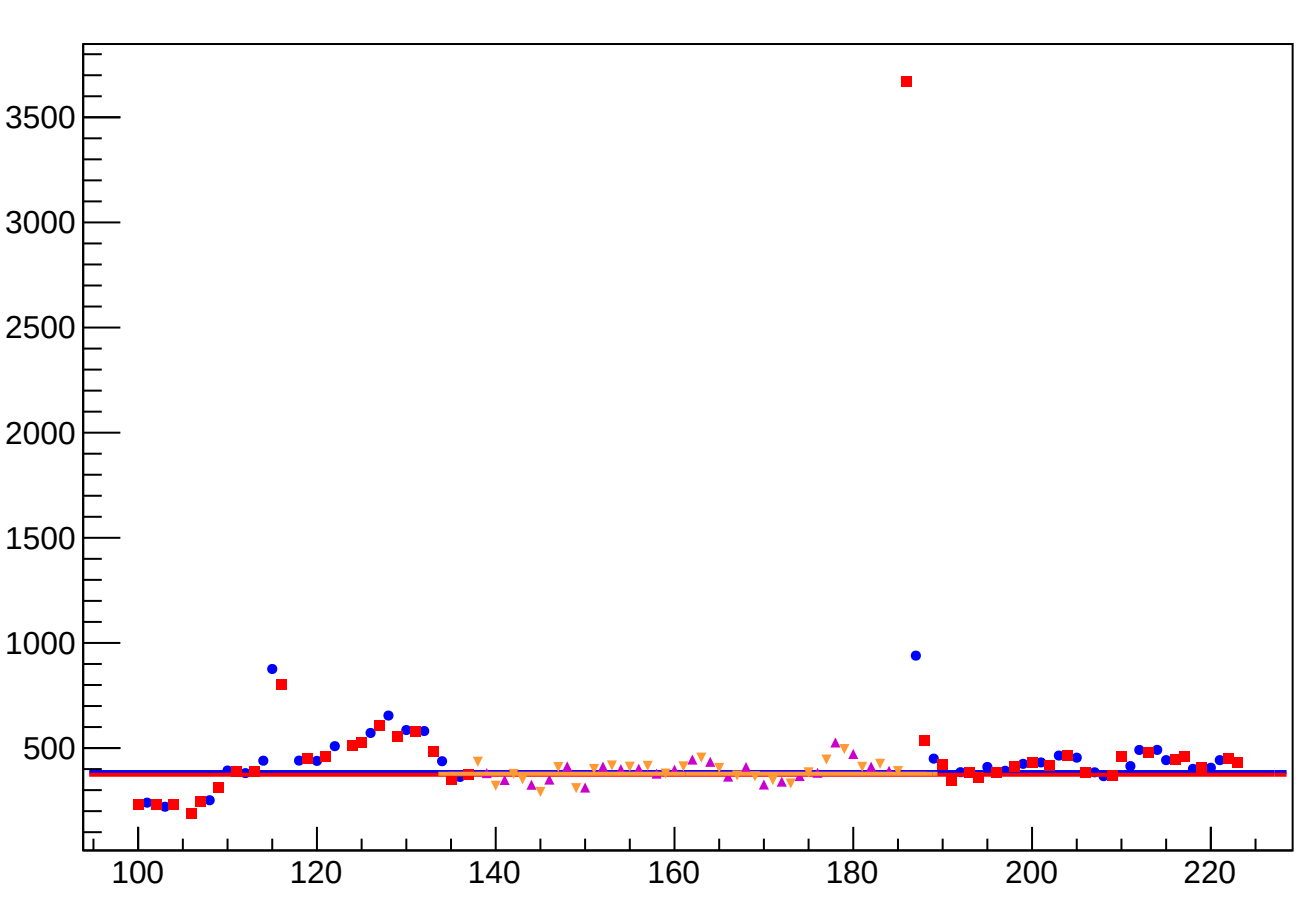
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -177.033+/-58.827 χ^2/NDF: 219.3/72

In: 134.890+/-61.582 χ^2/NDF:81.1/56

Out: -170.740+/-59.442 χ^2/NDF:205.3/63

All: -23.328+/-42.768 χ^2/NDF: 299.2/120



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

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

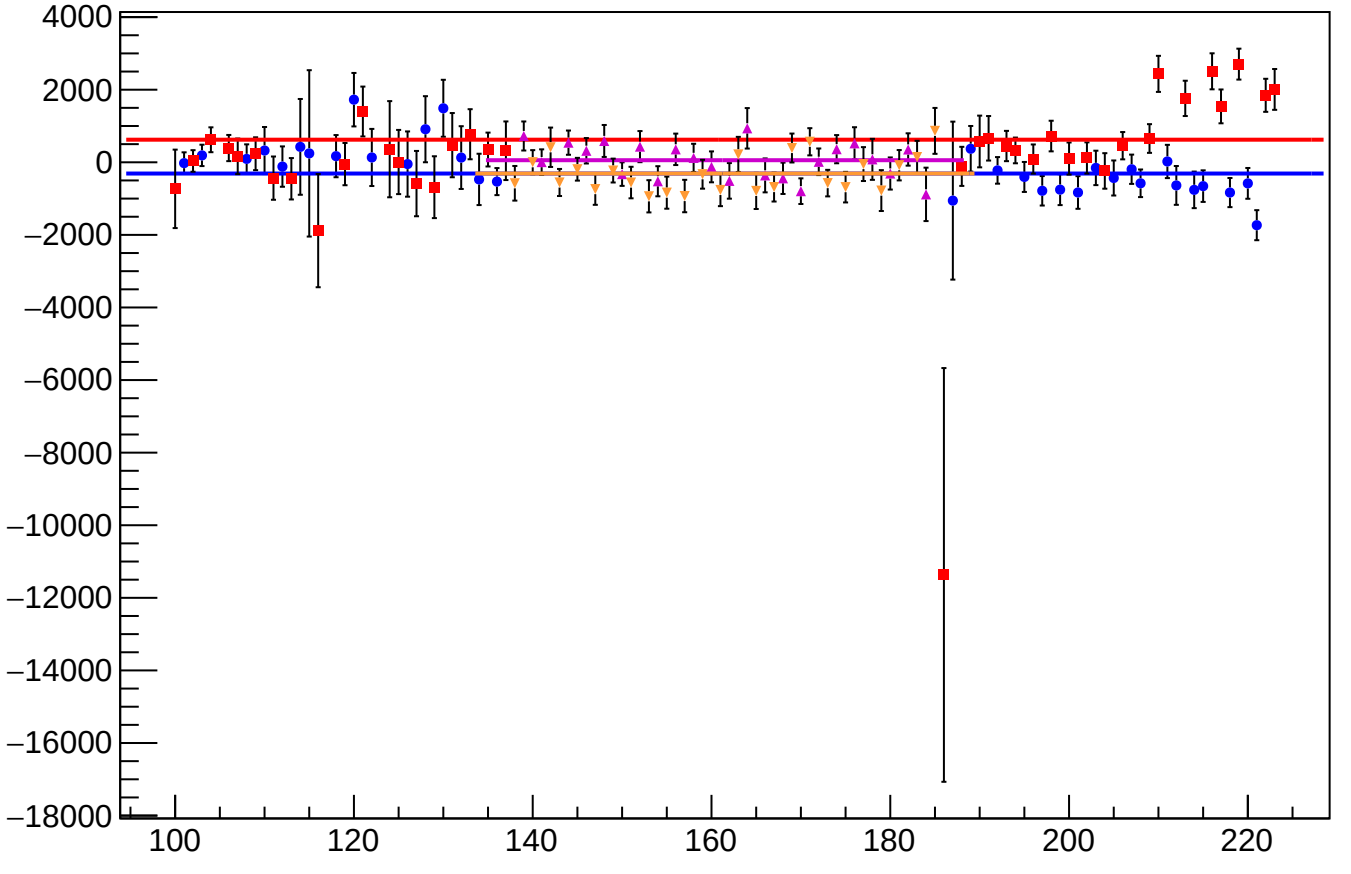
Right: 379.290+/-0.042 χ^2/NDF: 6244817.3/72

In: 382.602+/-0.044 χ^2/NDF:3082142.8/56

Out: 375.318+/-0.042 χ^2/NDF:4312993.9/63

All: 378.831+/-0.030 χ^2/NDF: 7409619.4/120

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

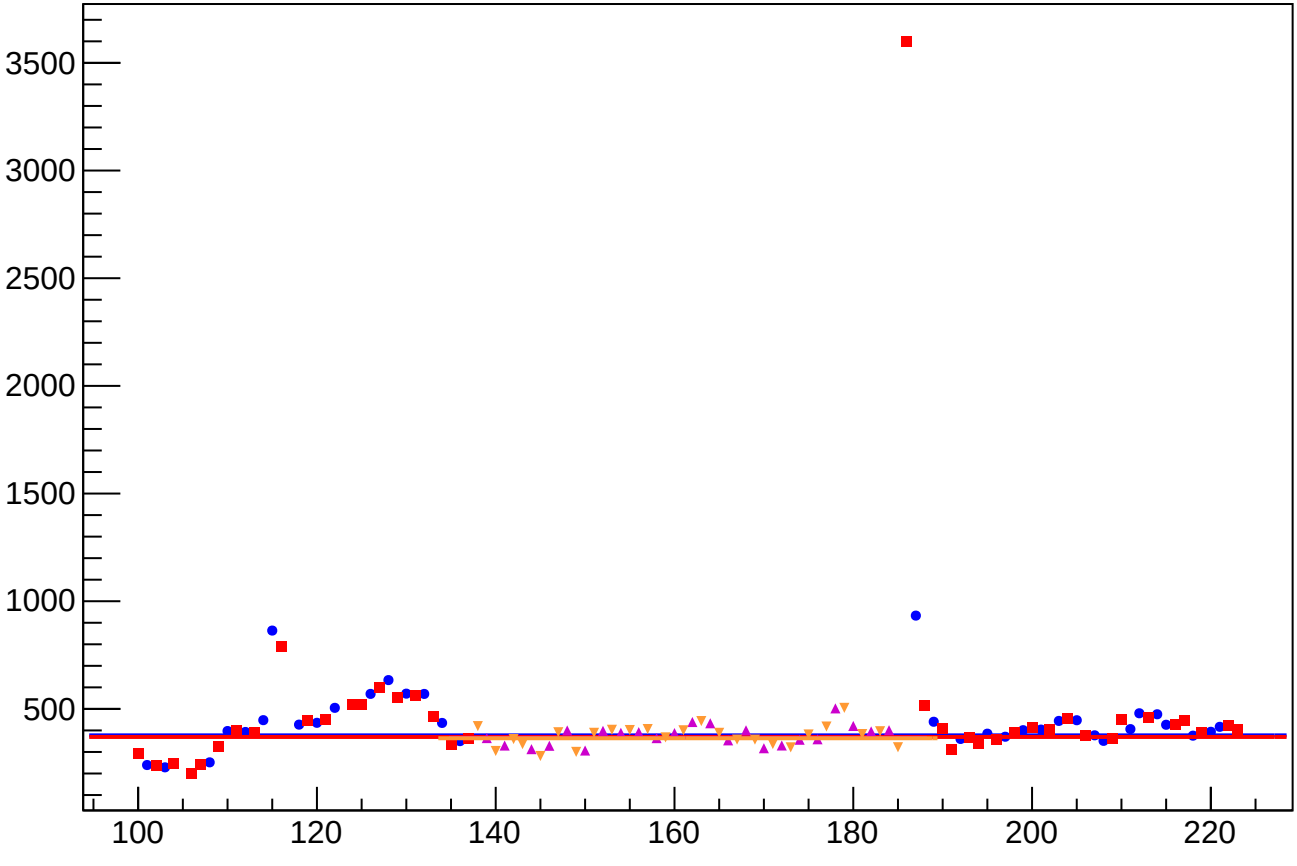
Right: 170.403+/-57.639 χ^2/NDF: 224.2/72

In: -133.660+/-59.711 χ^2/NDF:82.4/56

Out: 175.889+/-57.953 χ^2/NDF:208.4/63

All: 25.739+/-41.586 χ^2/NDF: 304.7/120

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

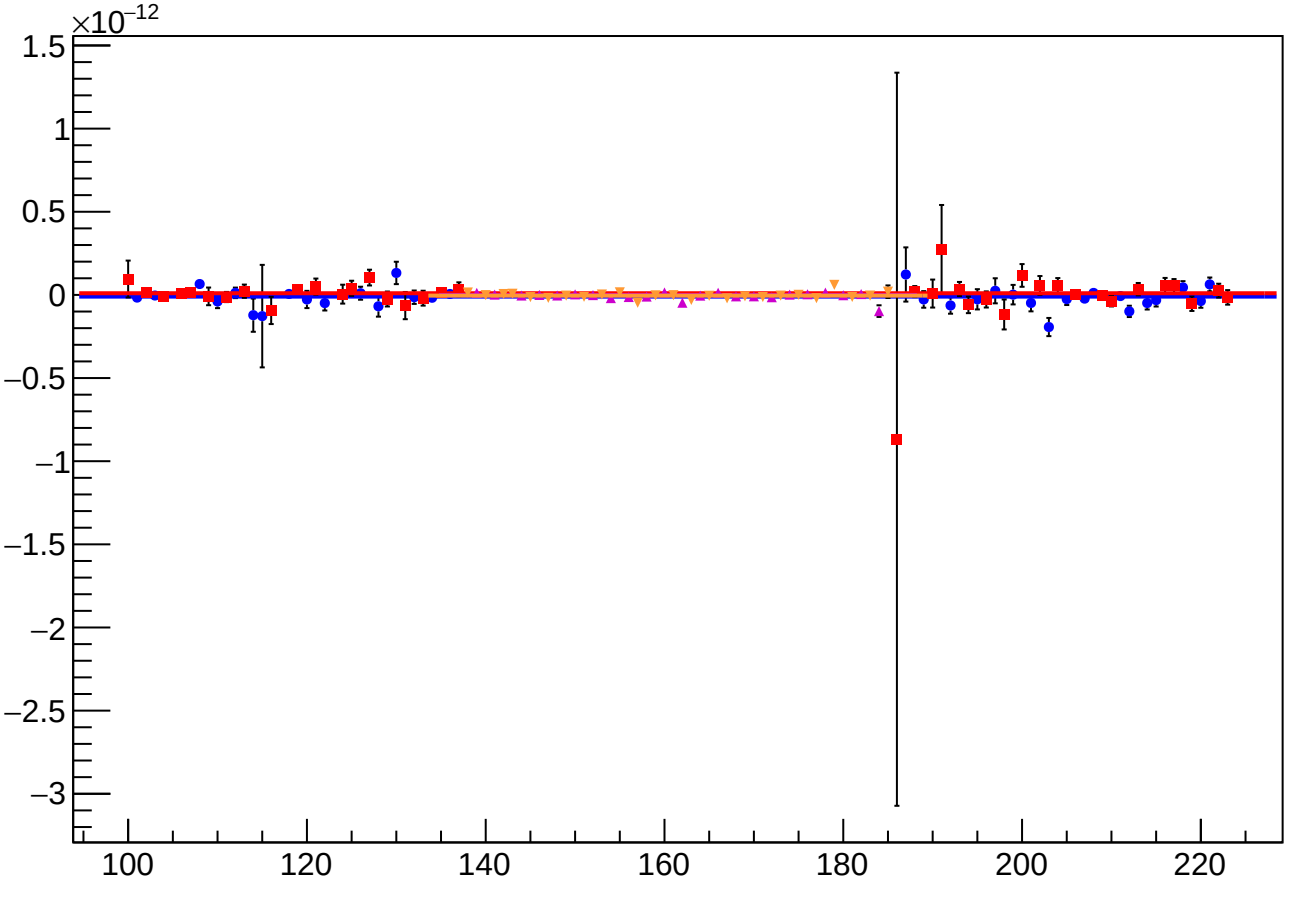
Right: 373.300+/-0.041 χ^2/NDF: 5385372.3/72

In: 371.434+/-0.042 χ^2/NDF:2803477.8/56

Out: 366.860+/-0.041 χ^2/NDF:3777327.9/63

All: 369.079+/-0.029 χ^2/NDF: 6586848.0/120

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

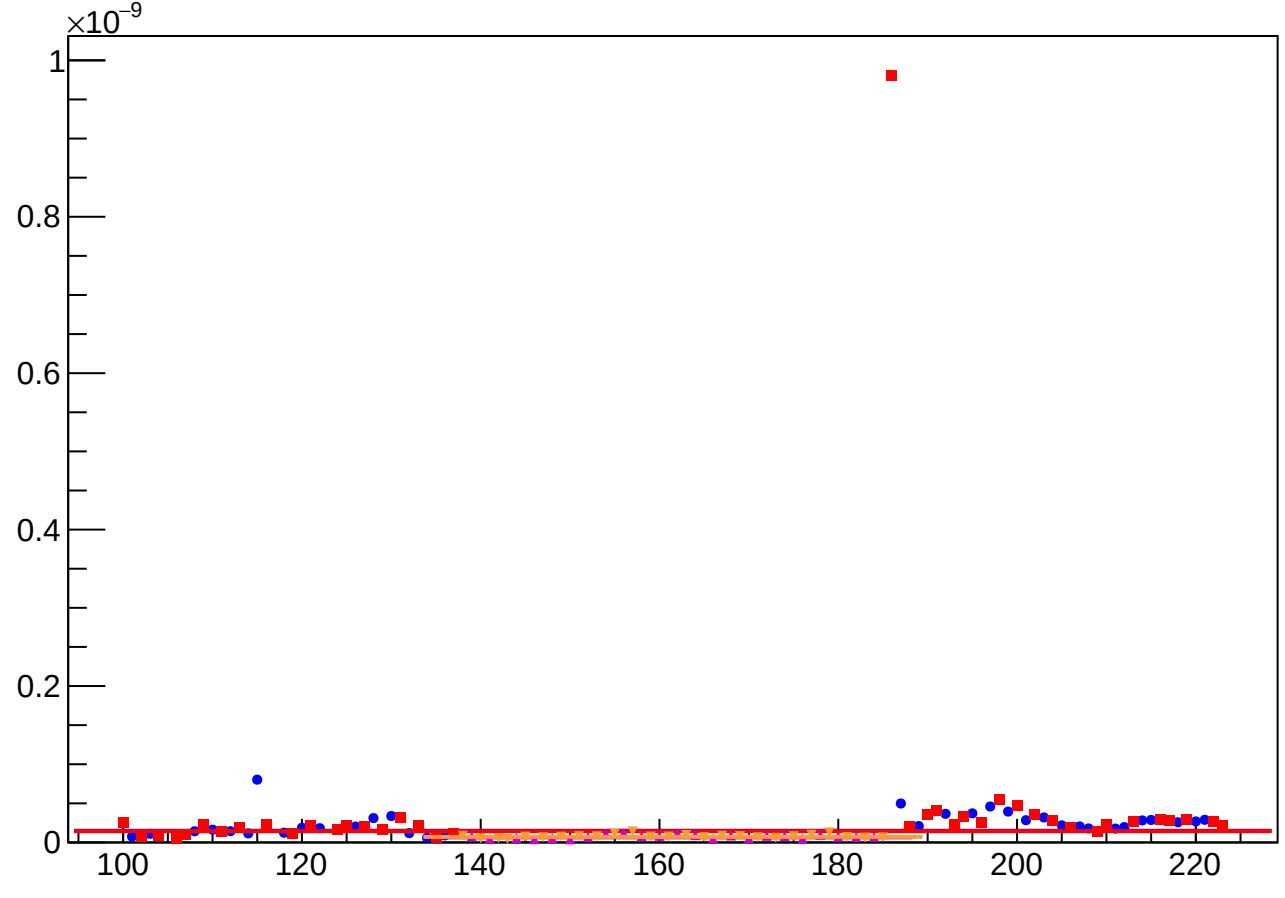
Right: 0.000+/-0.000 χ^2/NDF: 83.8/72

In: -0.000+/-0.000 χ^2/NDF:70.2/56

Out: -0.000+/-0.000 χ^2/NDF:58.0/63

All: -0.000+/-0.000 χ^2/NDF: 128.4/120

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

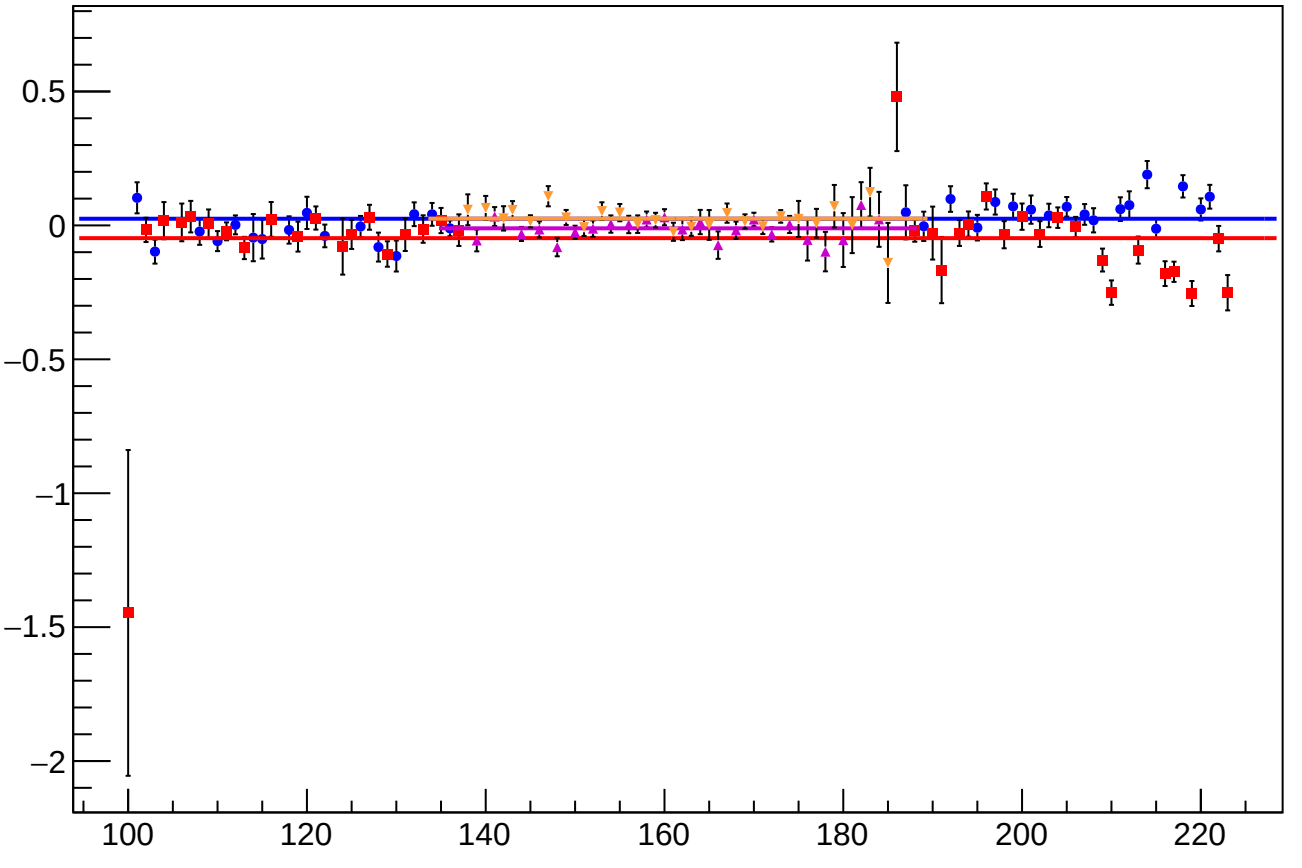
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11305075.9/72

In: 0.000+/-0.000 χ^2/NDF:10485519.3/56

Out: 0.000+/-0.000 χ^2/NDF:9982888.2/63

All: 0.000+/-0.000 χ^2/NDF: 20512292.0/120



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

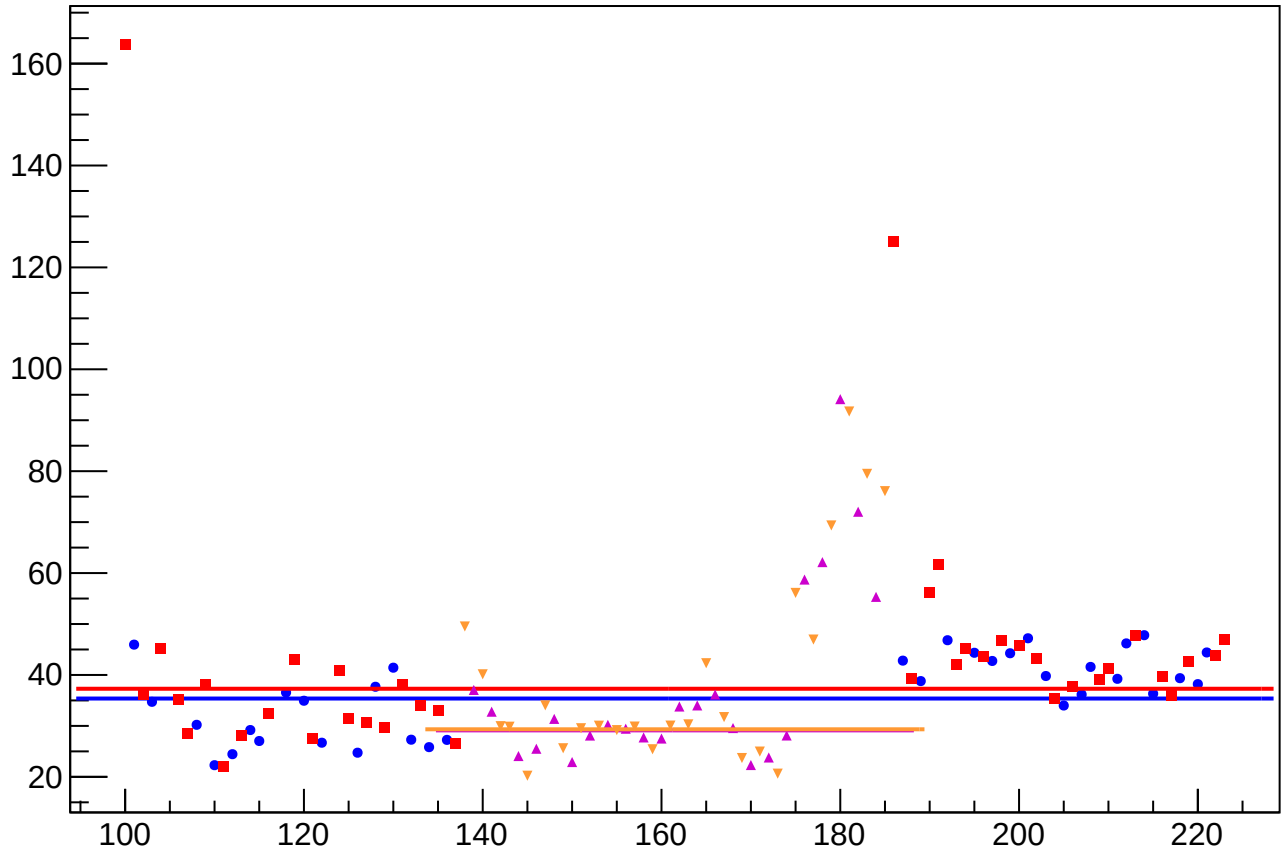
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.010+/-0.006 χ^2/NDF: 231.3/72

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.007+/-0.005 χ^2/NDF:186.5/63

All: -0.000+/-0.004 χ^2/NDF: 285.6/120



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

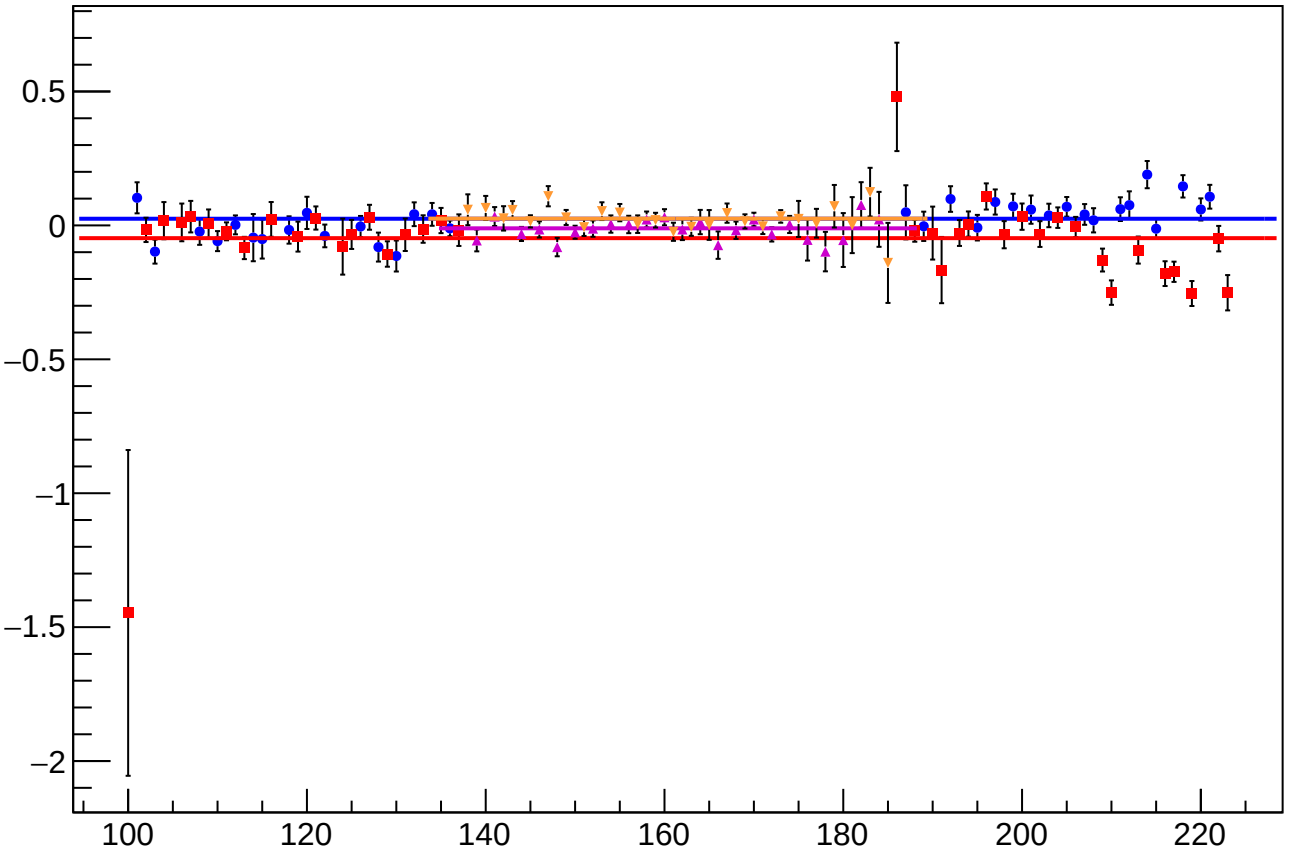
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 36.298+/-0.004 χ^2/NDF: 4056023.6/72

In: 32.038+/-0.004 χ^2/NDF:5482961.5/56

Out: 32.838+/-0.004 χ^2/NDF:6994622.6/63

All: 32.435+/-0.003 χ^2/NDF: 12499891.1/120



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

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

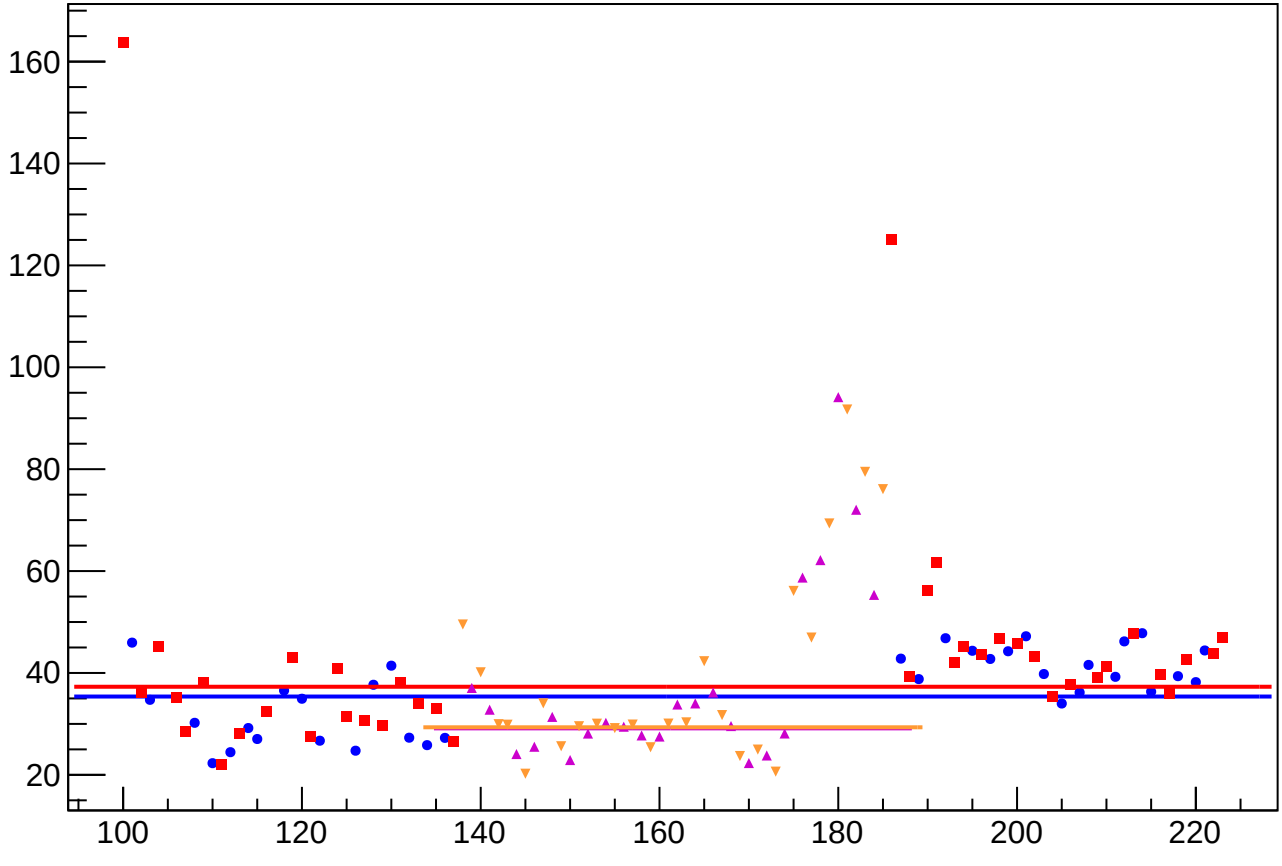
Right: -0.010+/-0.006 χ^2/NDF: 231.3/72

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.007+/-0.005 χ^2/NDF:186.5/63

All: -0.000+/-0.004 χ^2/NDF: 285.6/120

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

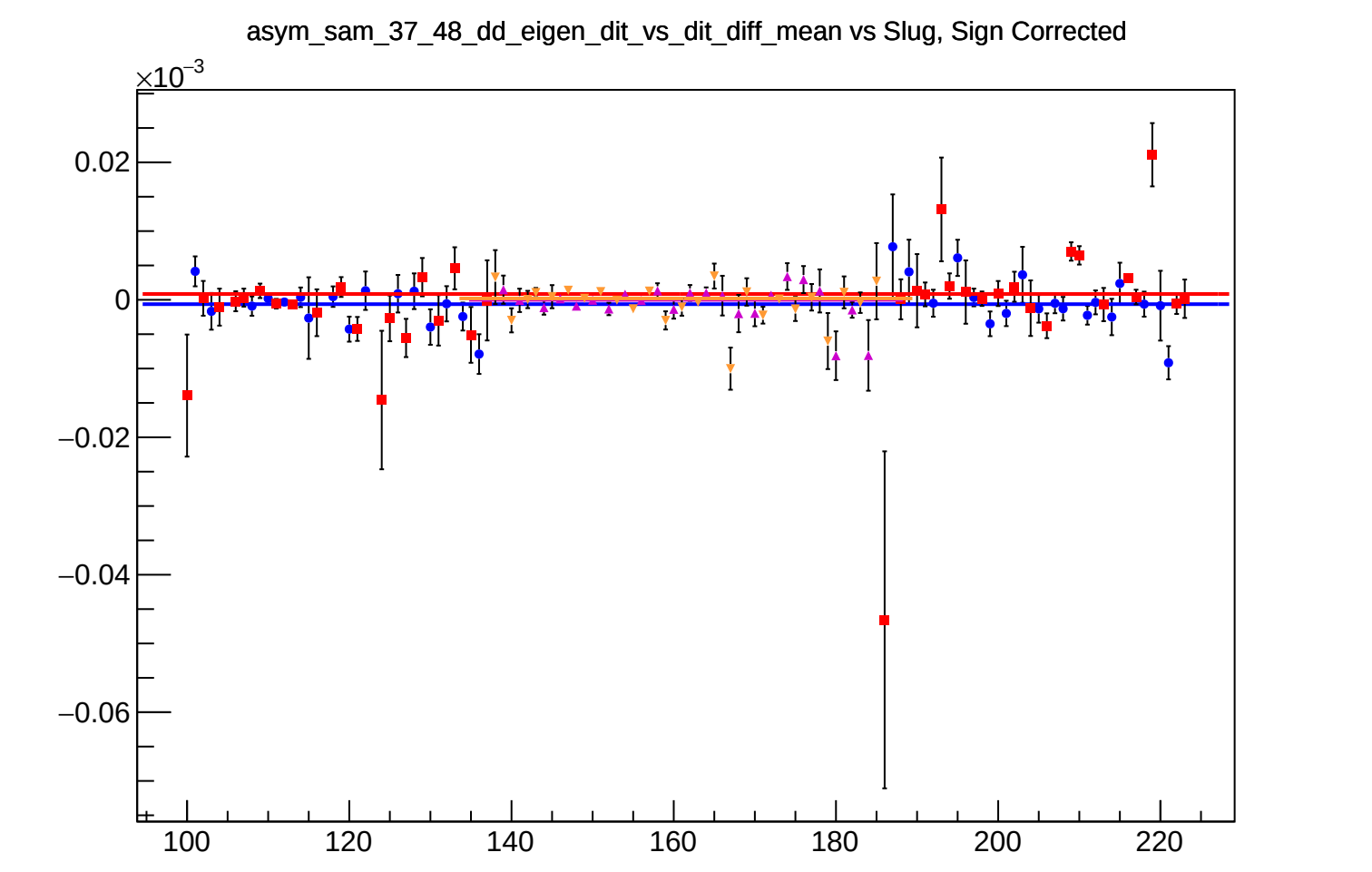
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 36.298+/-0.004 χ^2/NDF: 4056023.6/72

In: 32.038+/-0.004 χ^2/NDF:5482961.5/56

Out: 32.838+/-0.004 χ^2/NDF:6994622.6/63

All: 32.435+/-0.003 χ^2/NDF: 12499891.1/120



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

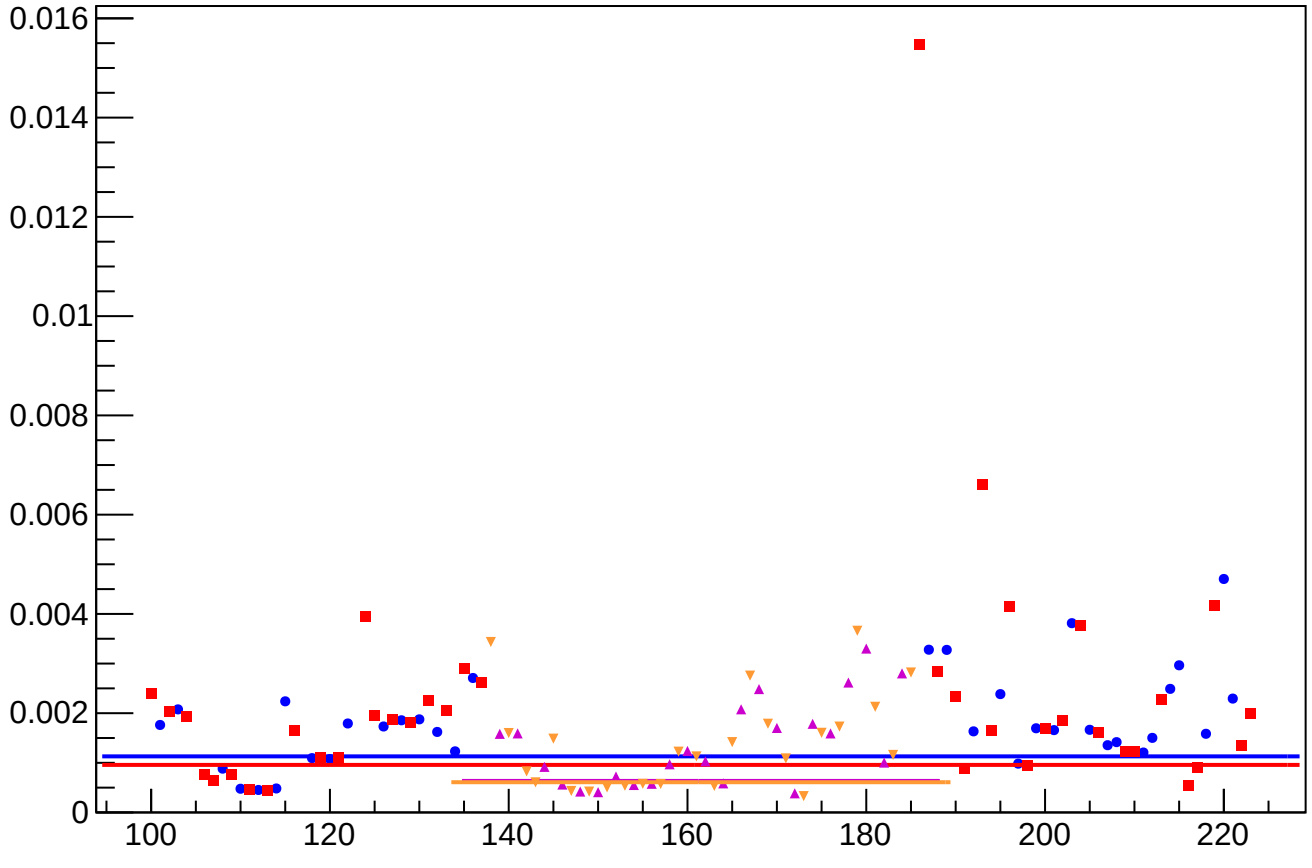
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: 0.000+/-0.000 χ^2/NDF: 190.2/72

In: -0.000+/-0.000 χ^2/NDF:87.0/56

Out: 0.000+/-0.000 χ^2/NDF:181.9/63

All: 0.000+/-0.000 χ^2/NDF: 276.7/120



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

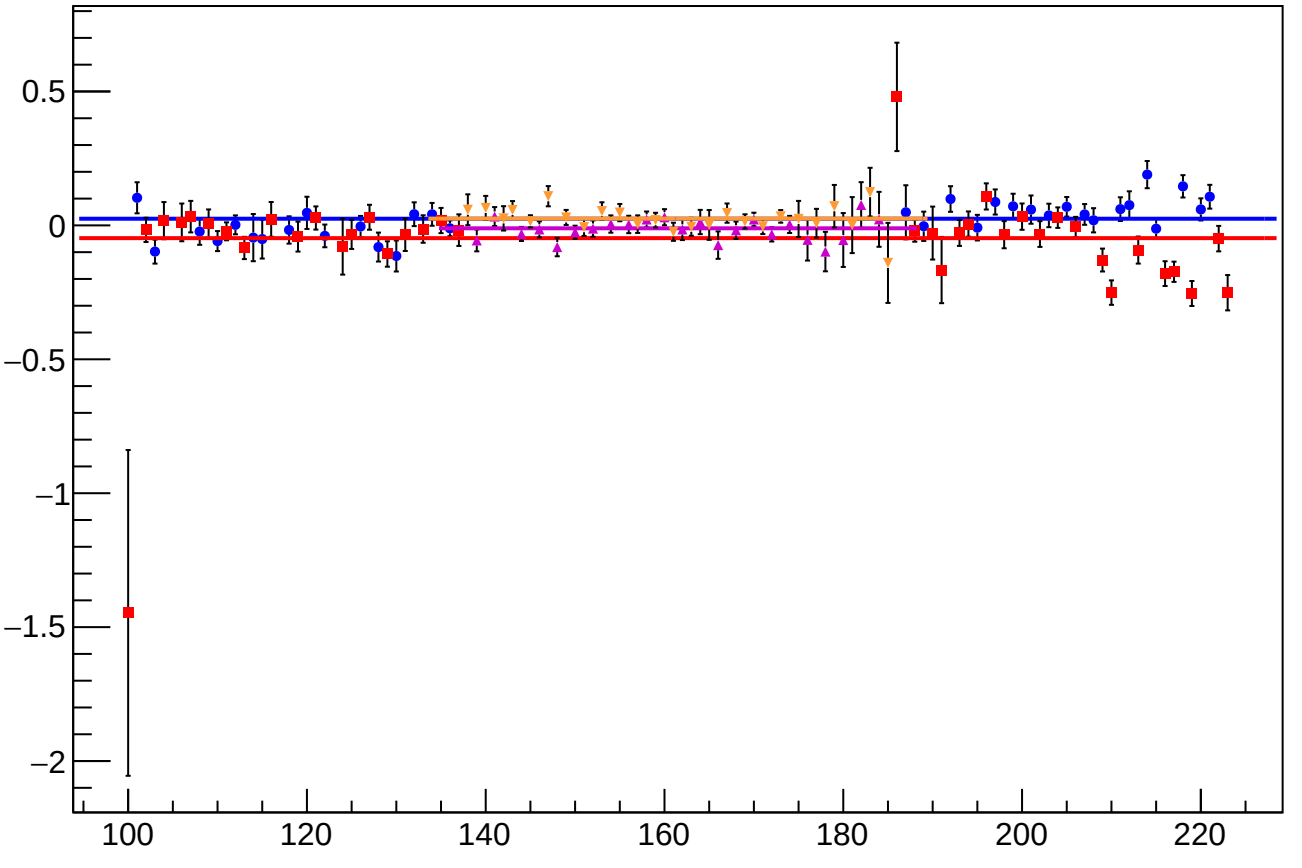
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 25868800.9/72

In: 0.001+/-0.000 χ^2/NDF:24940801.9/56

Out: 0.001+/-0.000 χ^2/NDF:27700757.7/63

All: 0.001+/-0.000 χ^2/NDF: 52777417.9/120



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

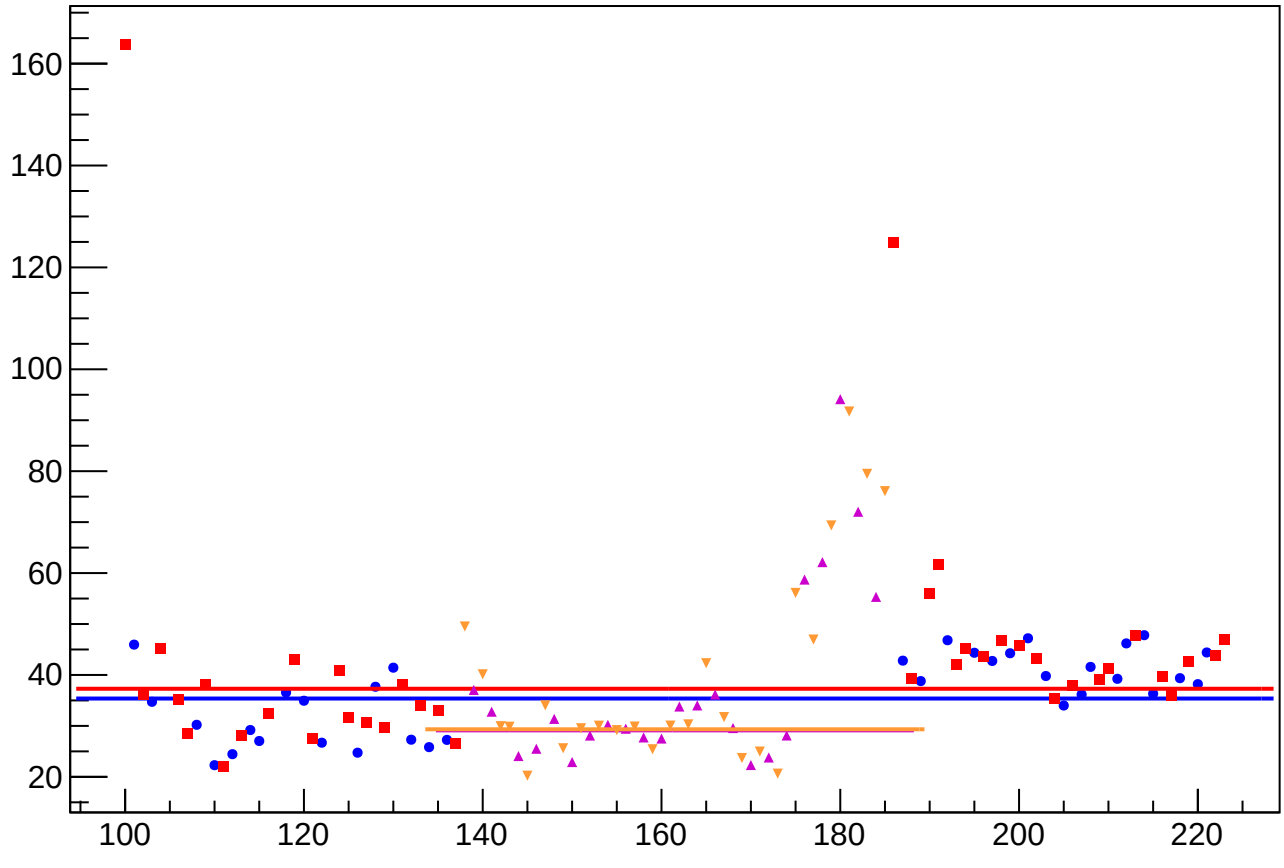
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.010+/-0.006 χ^2/NDF: 231.3/72

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.007+/-0.005 χ^2/NDF:186.5/63

All: -0.000+/-0.004 χ^2/NDF: 285.6/120



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

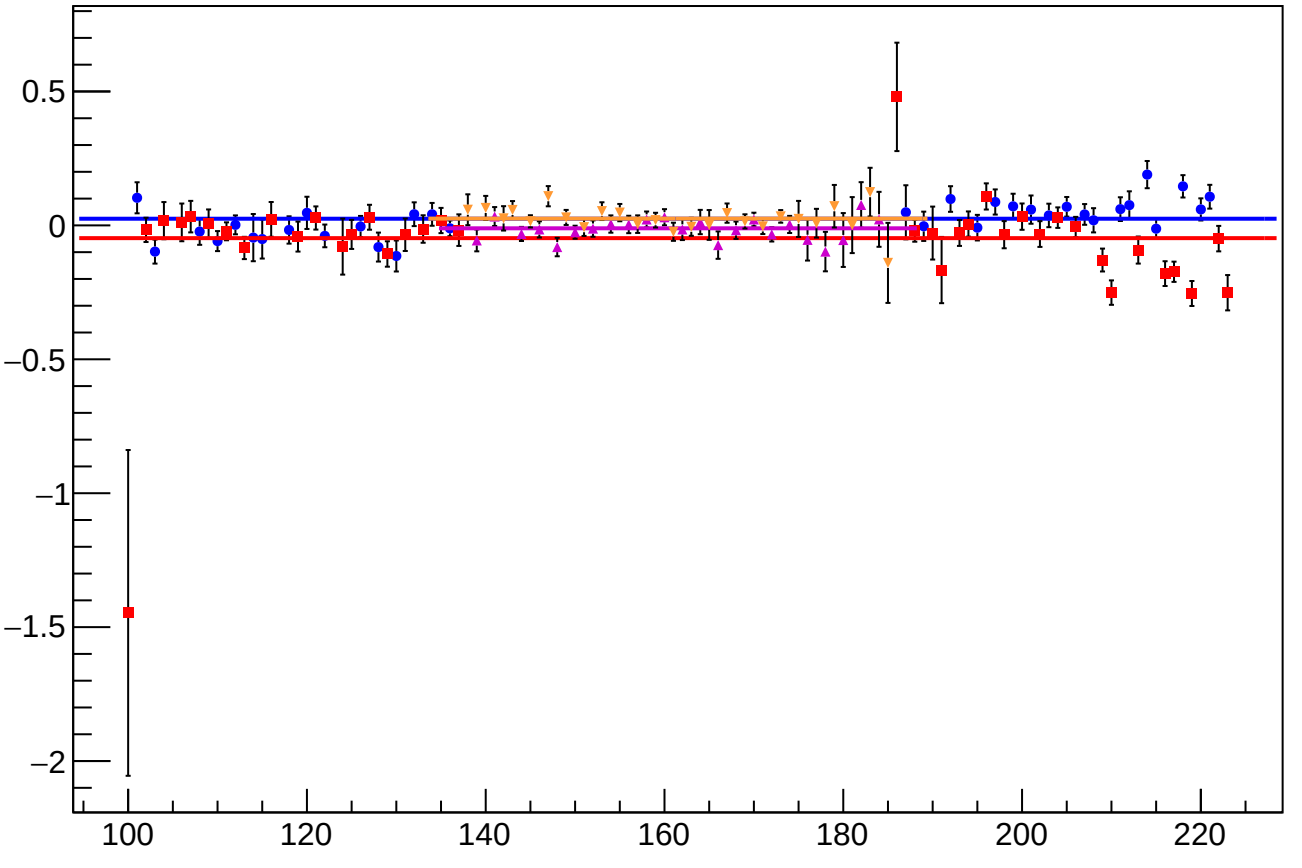
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 36.298+/-0.004 χ^2/NDF: 4055711.2/72

In: 32.038+/-0.004 χ^2/NDF:5482764.9/56

Out: 32.837+/-0.004 χ^2/NDF:6994572.3/63

All: 32.435+/-0.003 χ^2/NDF: 12499646.6/120



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

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

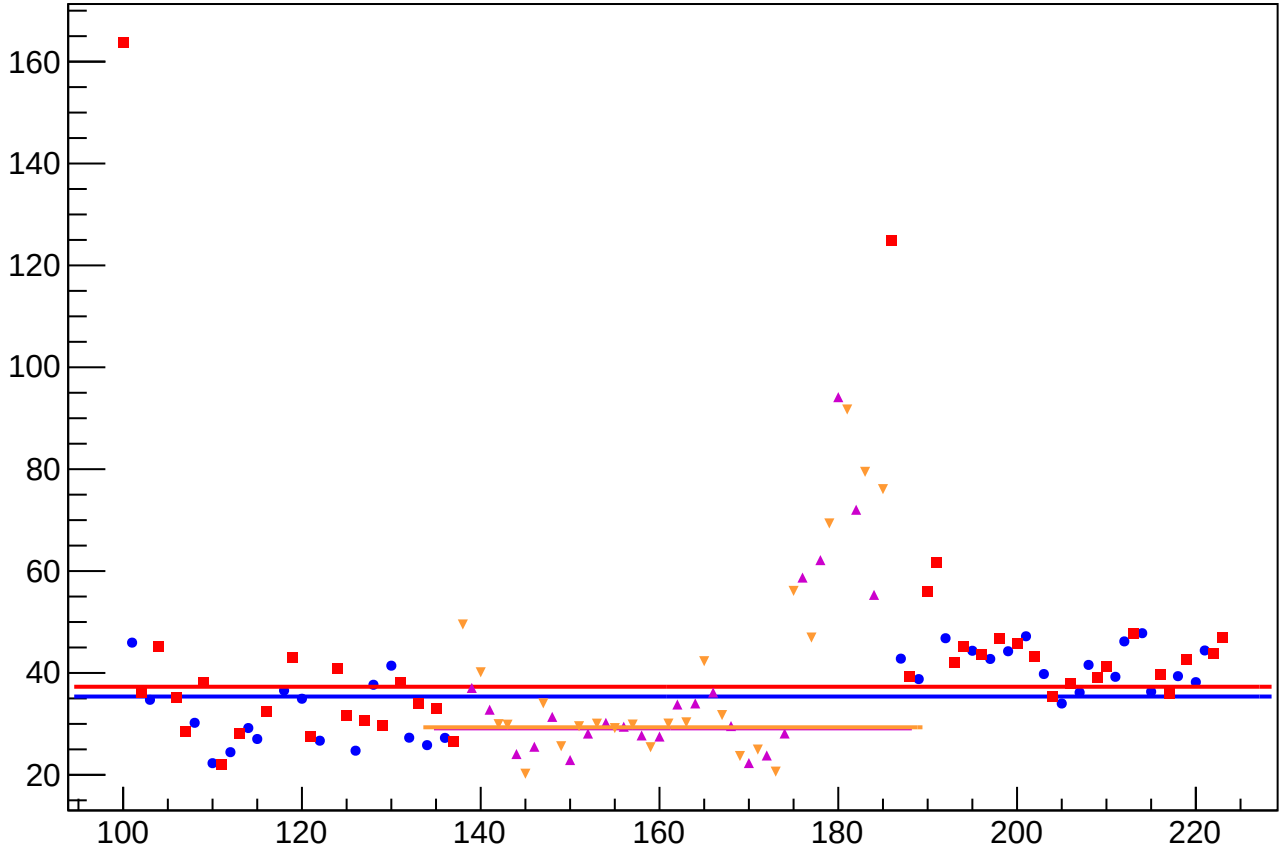
Right: -0.010+/-0.006 χ^2/NDF: 231.3/72

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.007+/-0.005 χ^2/NDF:186.5/63

All: -0.000+/-0.004 χ^2/NDF: 285.6/120

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

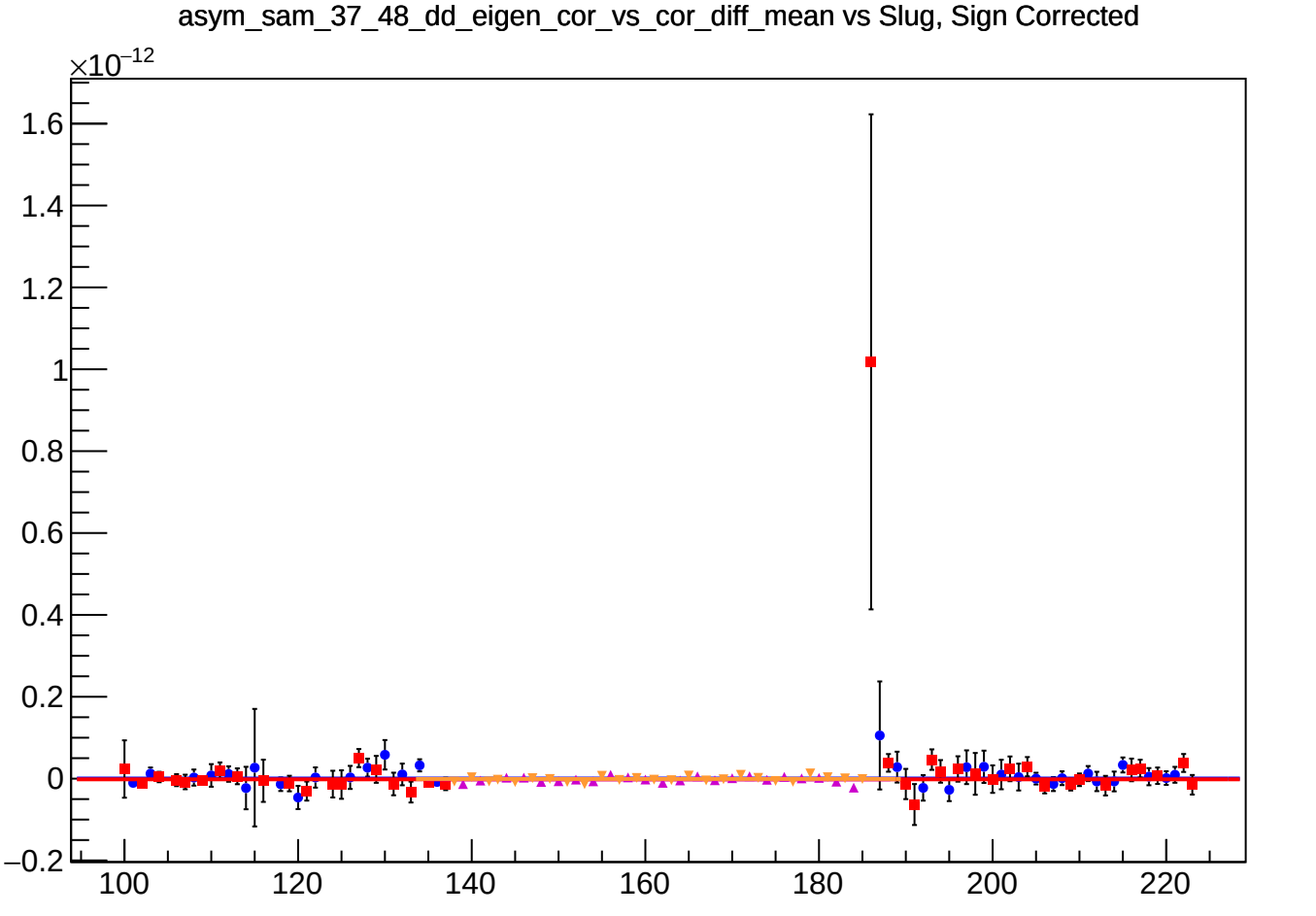
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 36.298+/-0.004 χ^2/NDF: 4055711.2/72

In: 32.038+/-0.004 χ^2/NDF:5482764.9/56

Out: 32.837+/-0.004 χ^2/NDF:6994572.3/63

All: 32.435+/-0.003 χ^2/NDF: 12499646.6/120



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

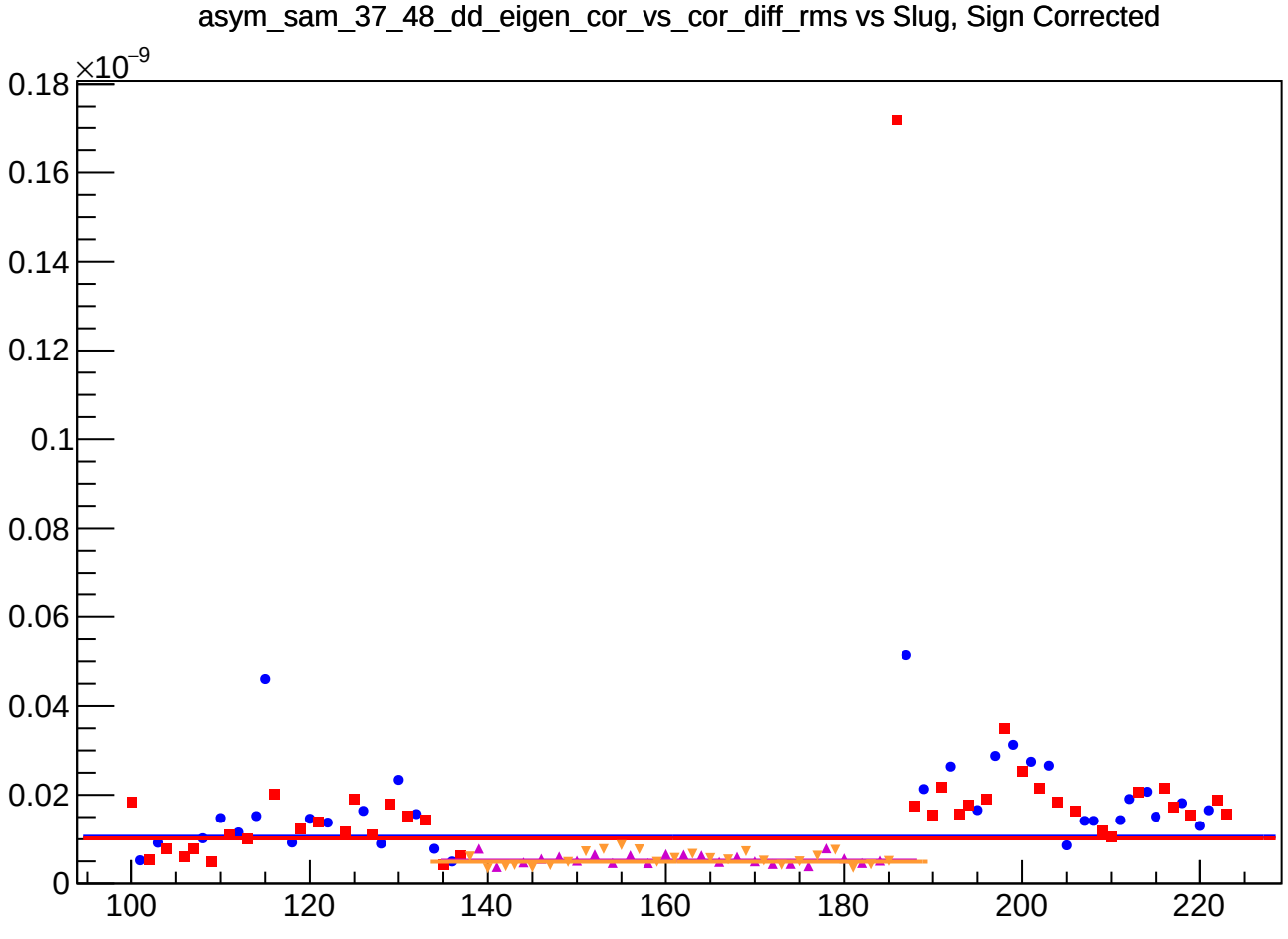
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 63.7/72

In: -0.000+/-0.000 χ^2/NDF:42.5/56

Out: -0.000+/-0.000 χ^2/NDF:52.9/63

All: -0.000+/-0.000 χ^2/NDF: 95.5/120



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

Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

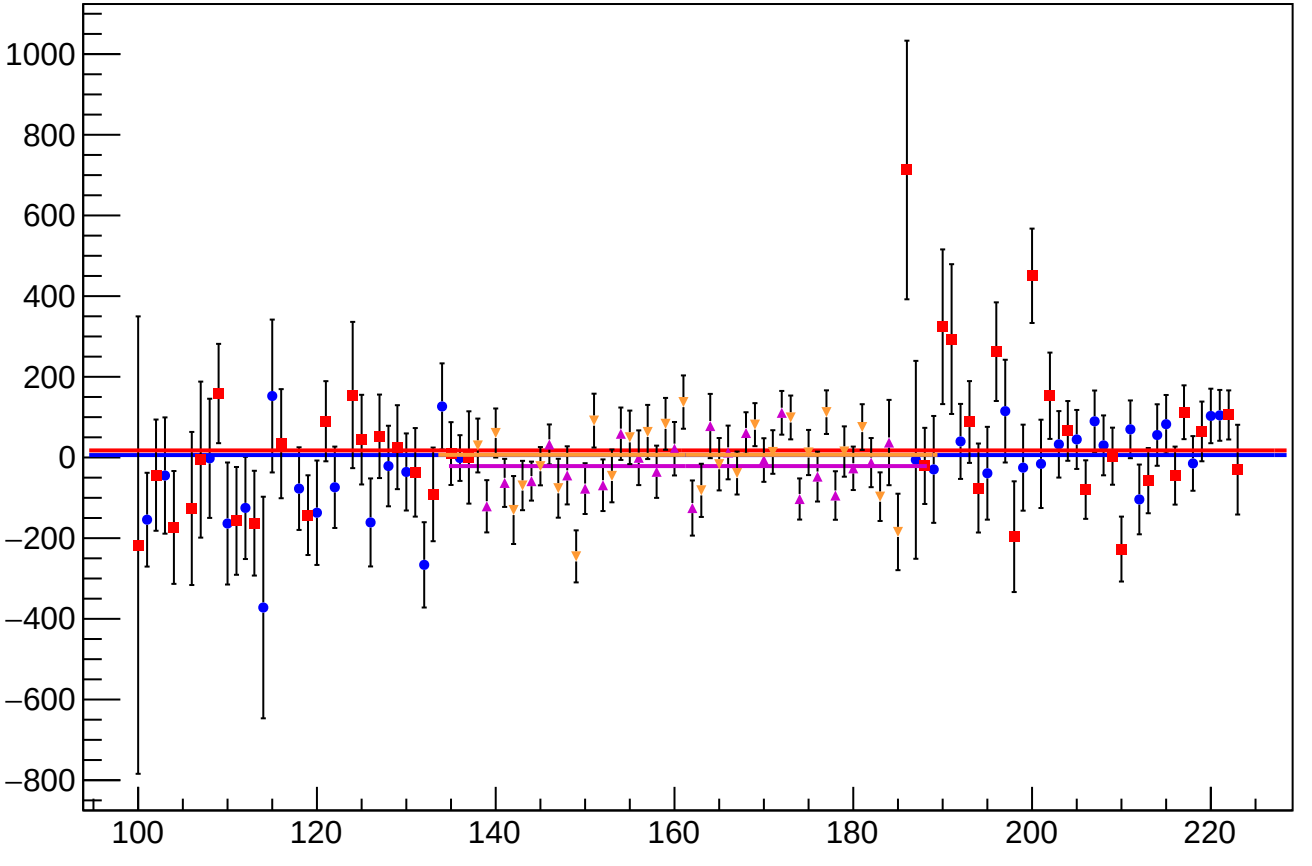
Right: 0.000+/-0.000 χ^2/NDF: 14920927.6/72

In: 0.000+/-0.000 χ^2/NDF:13508202.2/56

Out: 0.000+/-0.000 χ^2/NDF:14245418.4/63

All: 0.000+/-0.000 χ^2/NDF: 27802503.1/120

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

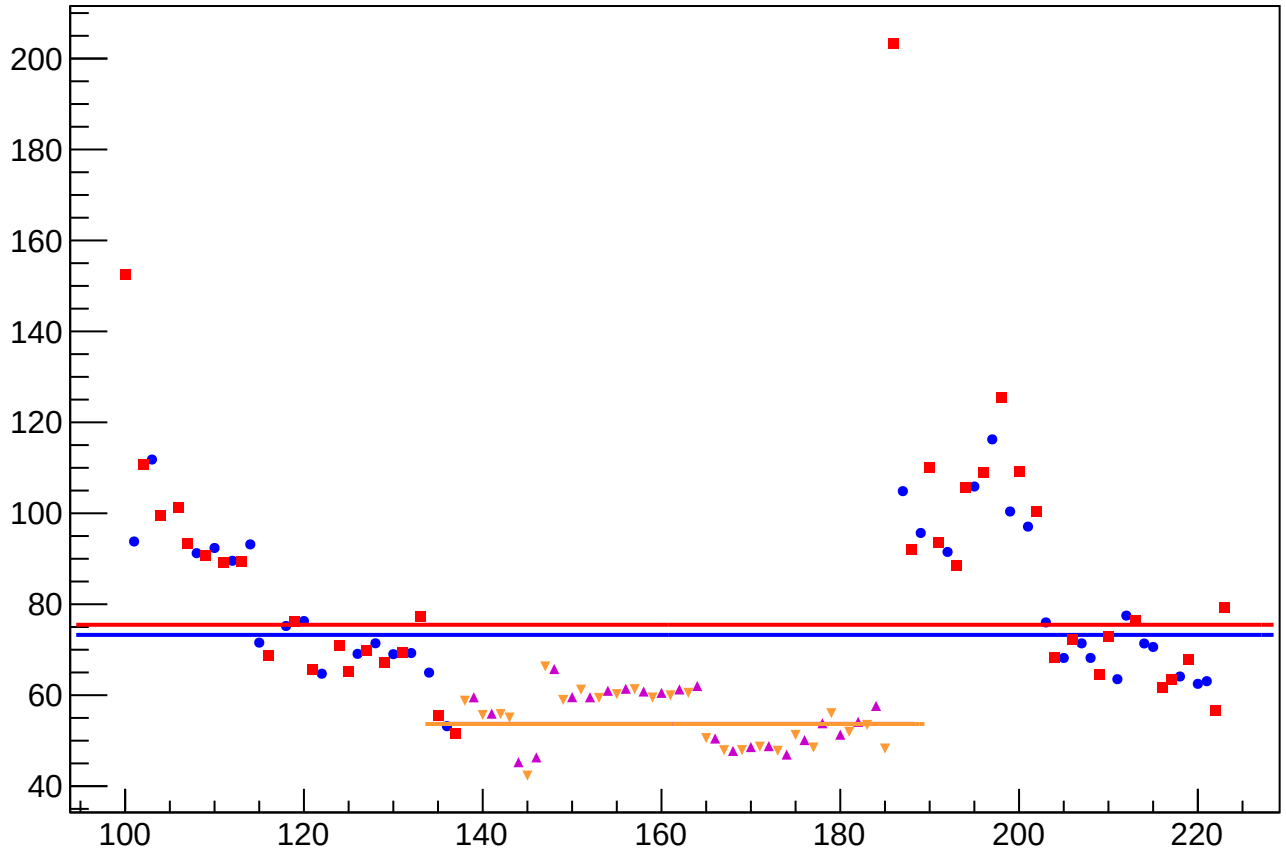
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: 11.622+/-11.409 χ^2/NDF: 94.8/72

In: -10.818+/-9.918 χ^2/NDF:58.5/56

Out: 10.503+/-9.811 χ^2/NDF:114.1/63

All: -0.042+/-6.975 χ^2/NDF: 175.0/120



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

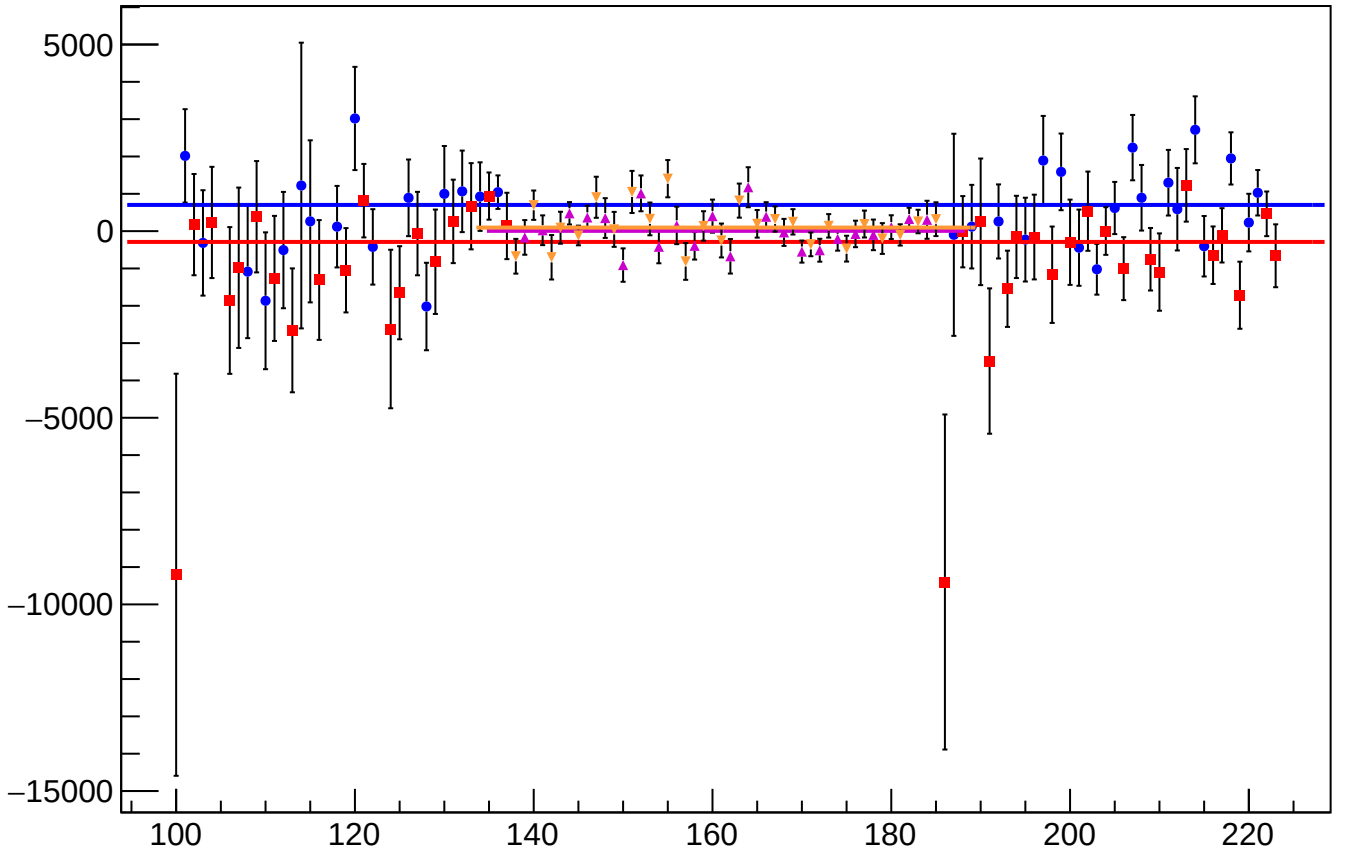
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.350+/-0.008 χ^2/NDF: 4017516.4/72

In: 61.232+/-0.007 χ^2/NDF:3903312.0/56

Out: 61.574+/-0.007 χ^2/NDF:5167892.3/63

All: 61.405+/-0.005 χ^2/NDF: 9072403.4/120



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

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

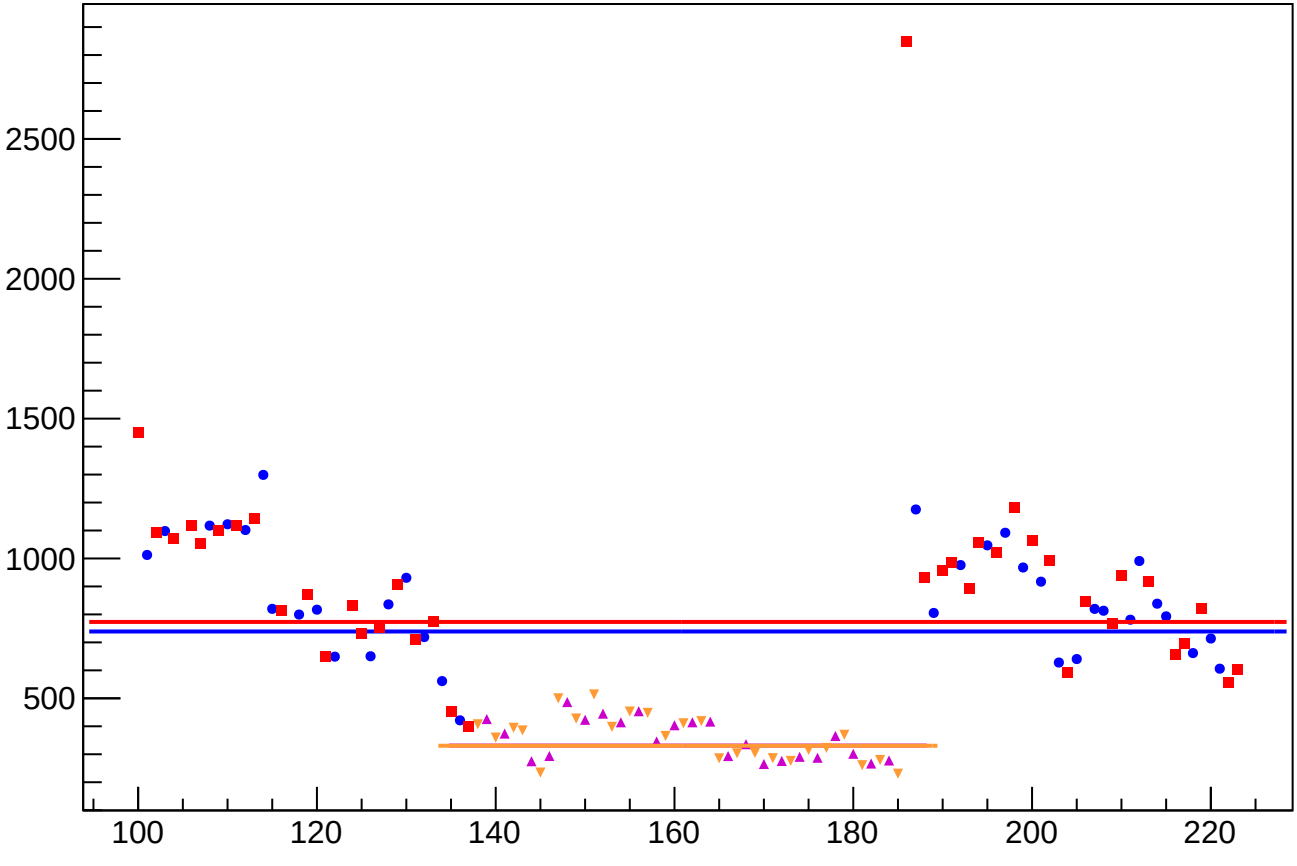
Right: 222.280+/-117.251 χ^2/NDF: 93.0/72

In: 139.951+/-71.205 χ^2/NDF:87.8/56

Out: 28.863+/-70.133 χ^2/NDF:71.9/63

All: 83.565+/-49.966 χ^2/NDF: 160.9/120

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



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

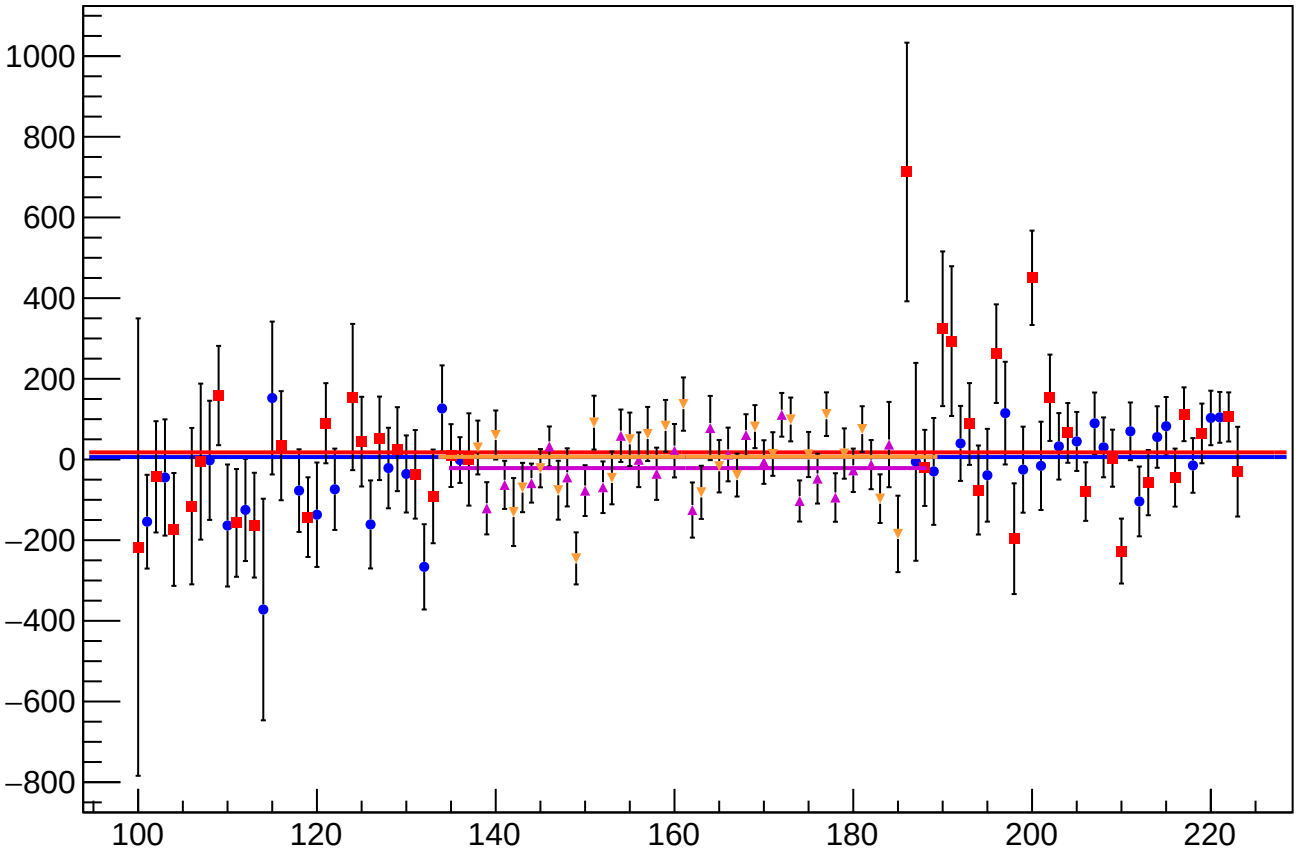
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 755.485+/-0.083 χ^2/NDF: 6261953.9/72

In: 408.624+/-0.050 χ^2/NDF:14211984.5/56

Out: 407.122+/-0.050 χ^2/NDF:16608580.2/63

All: 407.862+/-0.035 χ^2/NDF: 30821016.3/12



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

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

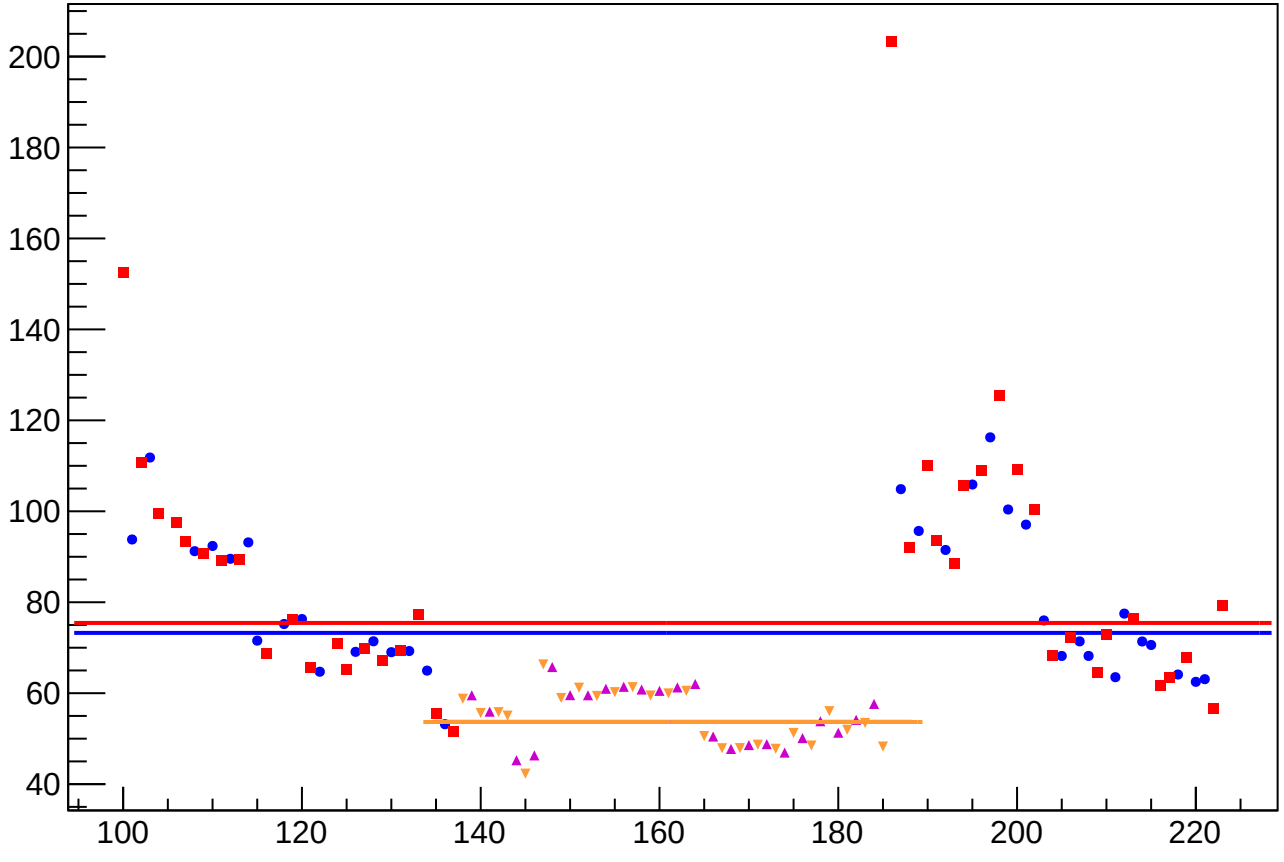
Right: 11.690+/-11.410 χ^2/NDF: 94.7/72

In: -10.815+/-9.918 χ^2/NDF:58.5/56

Out: 10.553+/-9.811 χ^2/NDF:114.0/63

All: -0.016+/-6.975 χ^2/NDF: 174.9/120

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

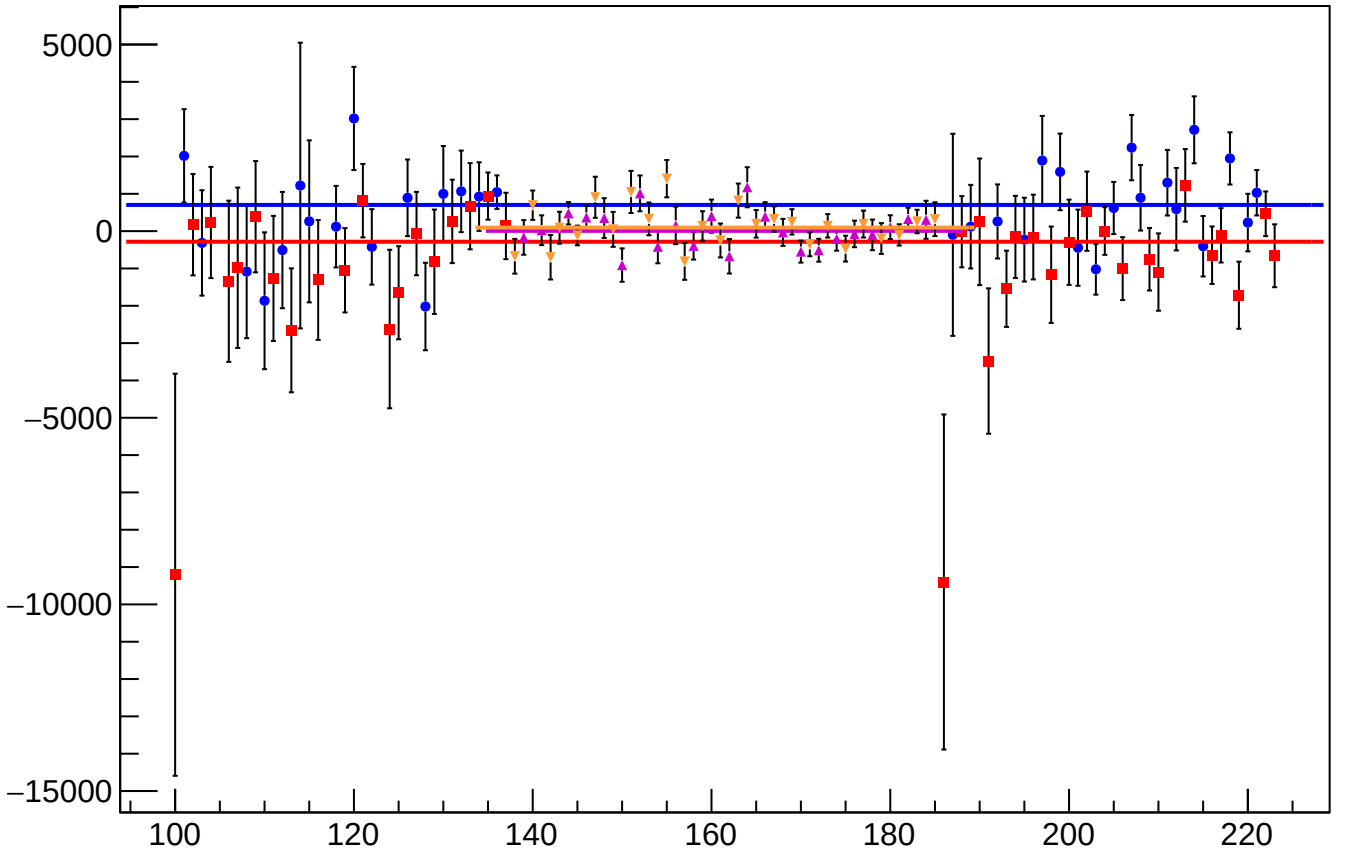
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.333+/-0.008 χ^2/NDF: 4006293.1/72

In: 61.232+/-0.007 χ^2/NDF:3903314.6/56

Out: 61.560+/-0.007 χ^2/NDF:5149681.8/63

All: 61.398+/-0.005 χ^2/NDF: 9054099.7/120



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

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

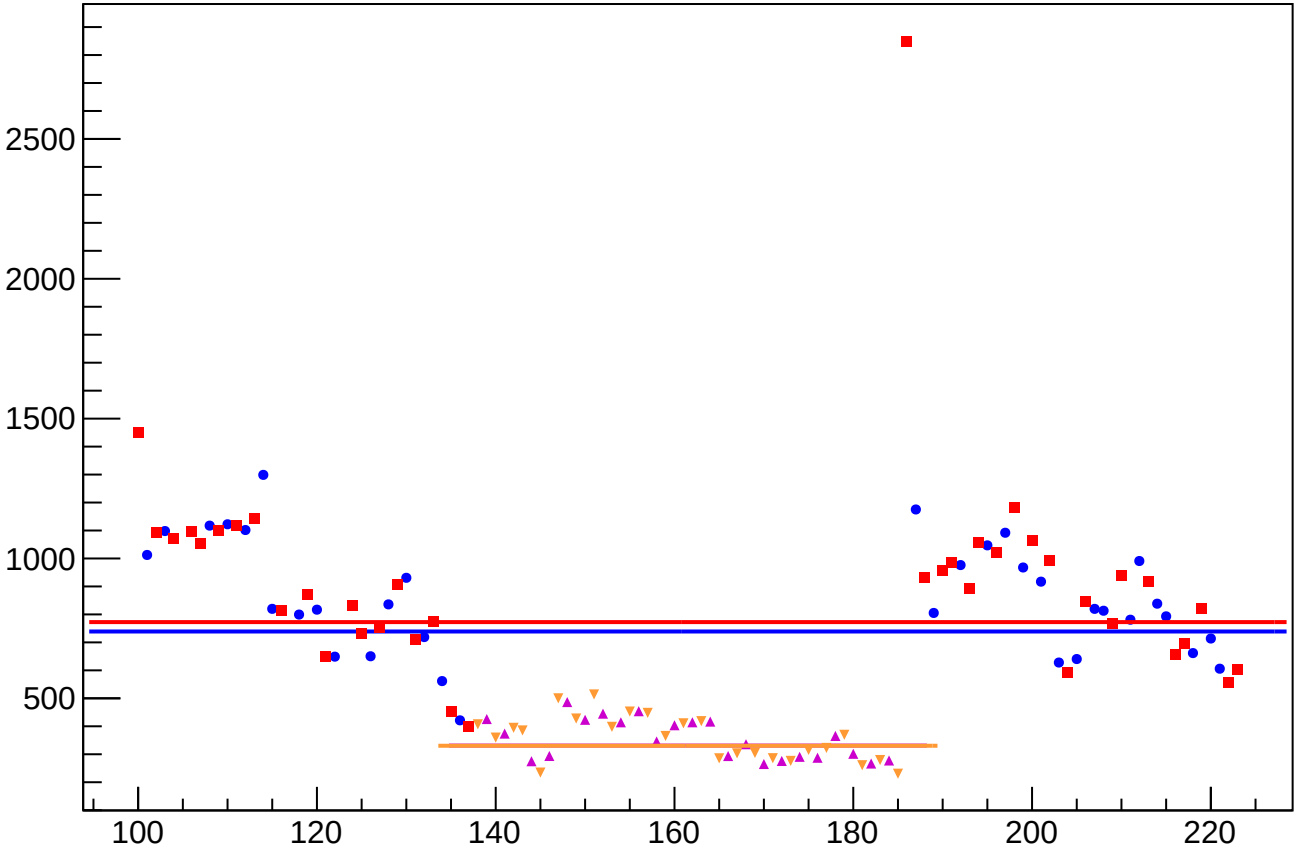
Right: 225.045+/-117.287 χ^2/NDF: 92.4/72

In: 139.948+/-71.205 χ^2/NDF:87.8/56

Out: 29.812+/-70.141 χ^2/NDF:71.3/63

All: 84.050+/-49.969 χ^2/NDF: 160.3/120

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



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

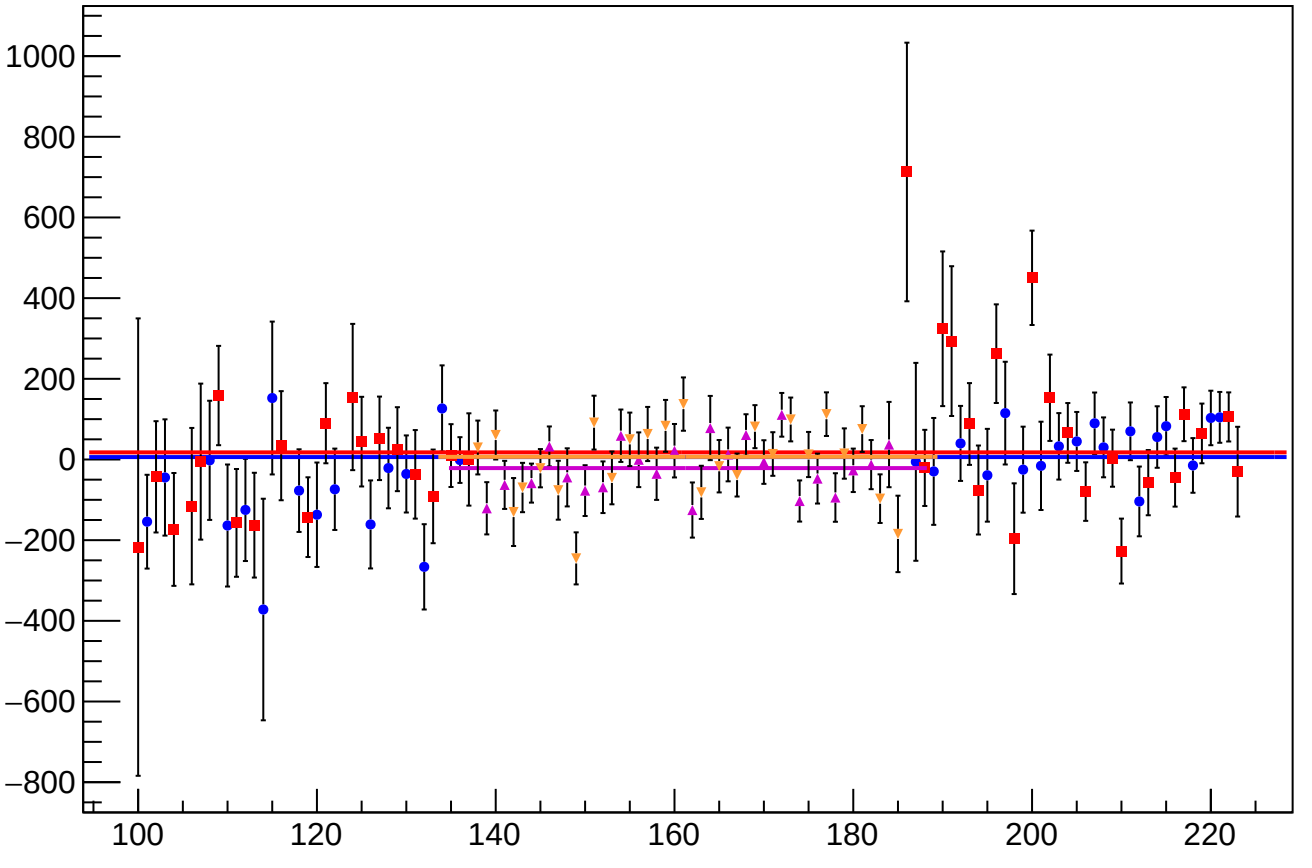
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 755.199+/-0.083 χ^2/NDF: 6243777.5/72

In: 408.624+/-0.050 χ^2/NDF:14212022.4/56

Out: 406.943+/-0.050 χ^2/NDF:16550421.6/63

All: 407.771+/-0.035 χ^2/NDF: 30763009.9/12



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

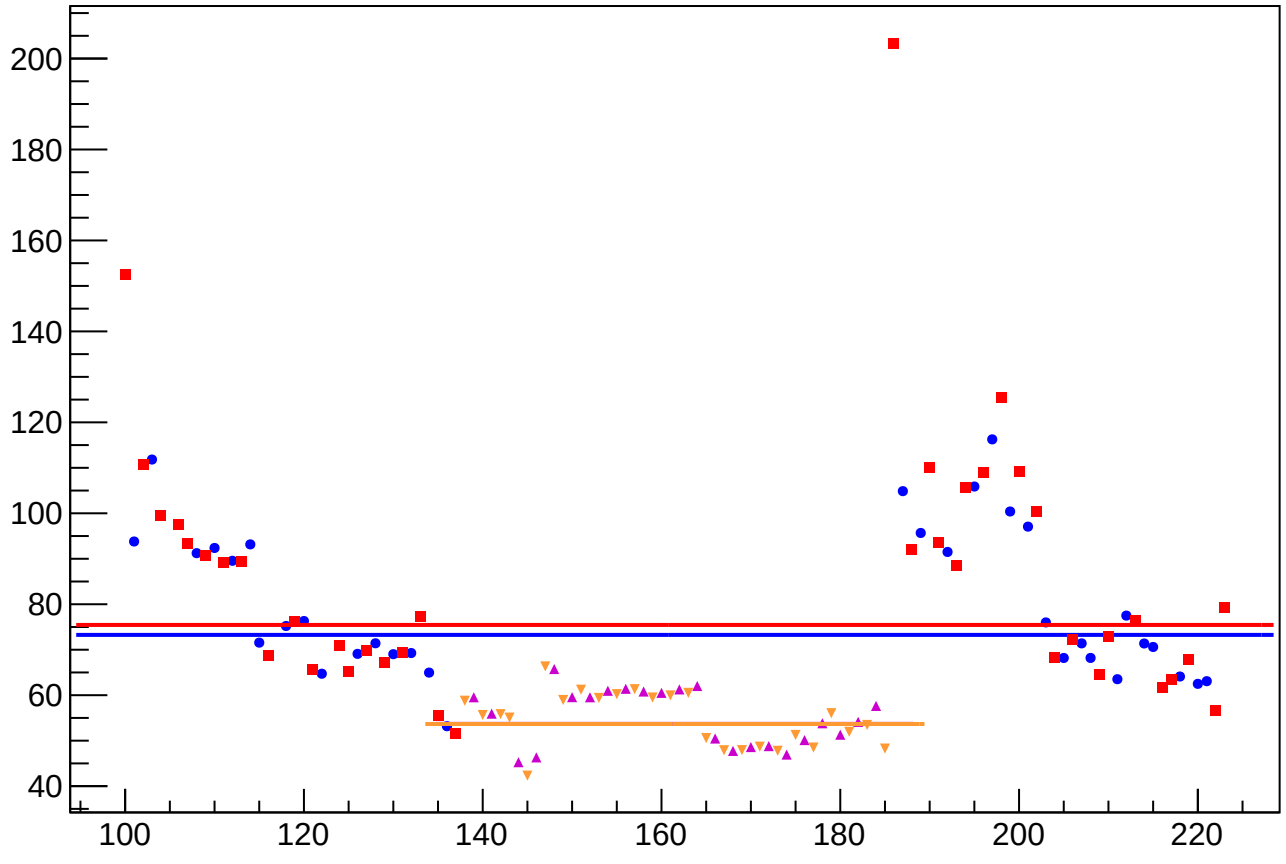
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 11.690+/-11.410 χ^2/NDF: 94.7/72

In: -10.815+/-9.918 χ^2/NDF:58.5/56

Out: 10.553+/-9.811 χ^2/NDF:114.0/63

All: -0.016+/-6.975 χ^2/NDF: 174.9/120



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

Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

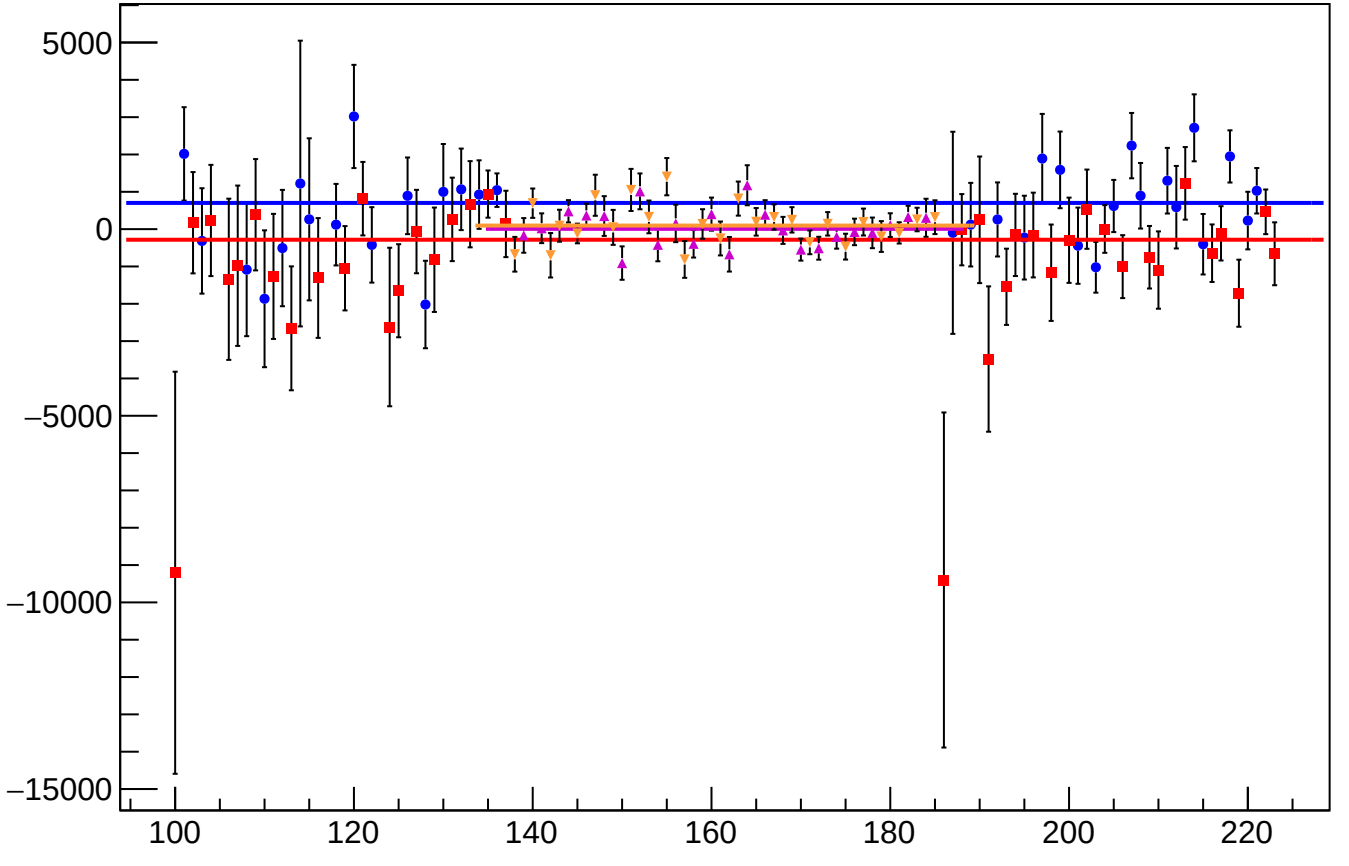
Right: 74.333+/-0.008 χ^2/NDF: 4006293.1/72

In: 61.232+/-0.007 χ^2/NDF:3903314.6/56

Out: 61.560+/-0.007 χ^2/NDF:5149681.8/63

All: 61.398+/-0.005 χ^2/NDF: 9054099.7/120

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

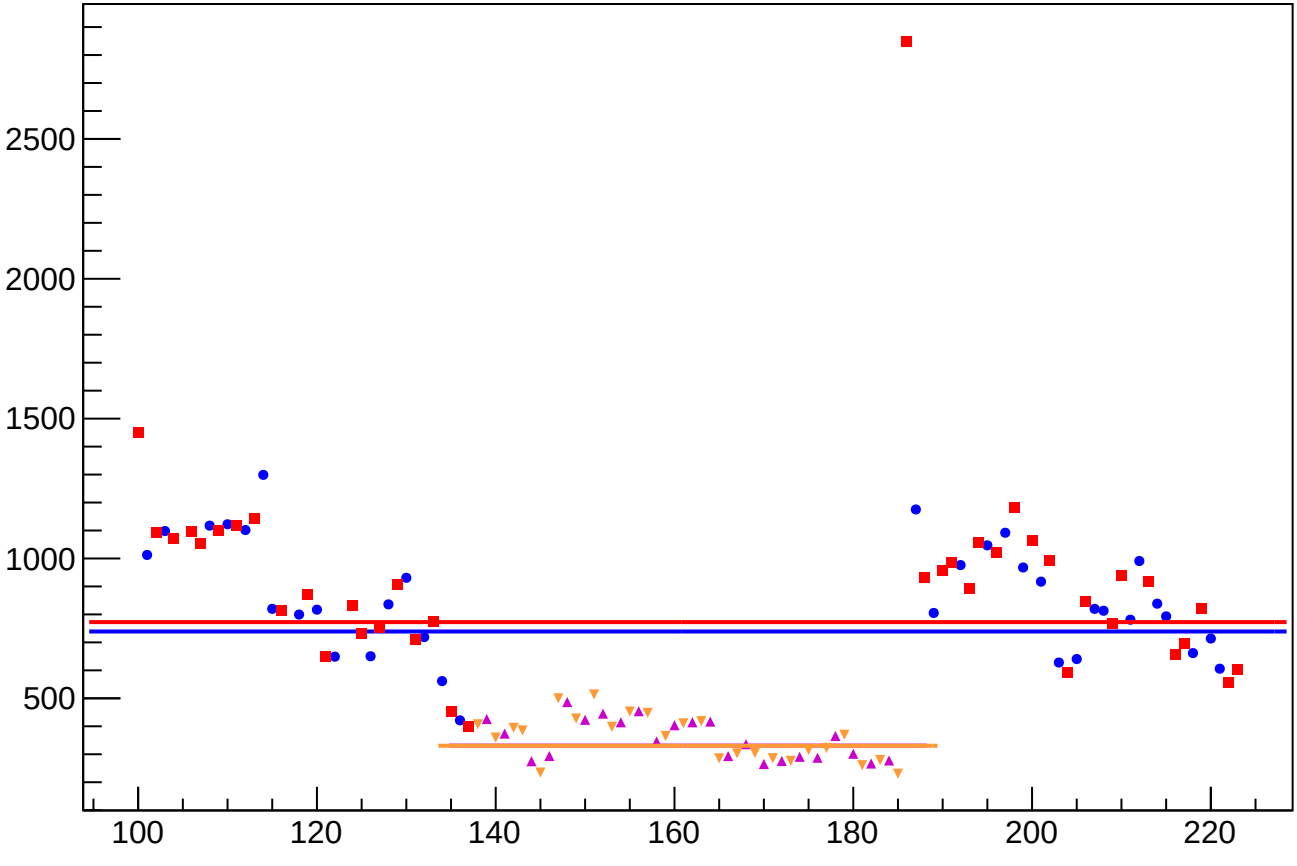
Right: 225.045+/-117.287 χ^2/NDF: 92.4/72

In: 139.948+/-71.205 χ^2/NDF:87.8/56

Out: 29.812+/-70.141 χ^2/NDF:71.3/63

All: 84.050+/-49.969 χ^2/NDF: 160.3/120

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

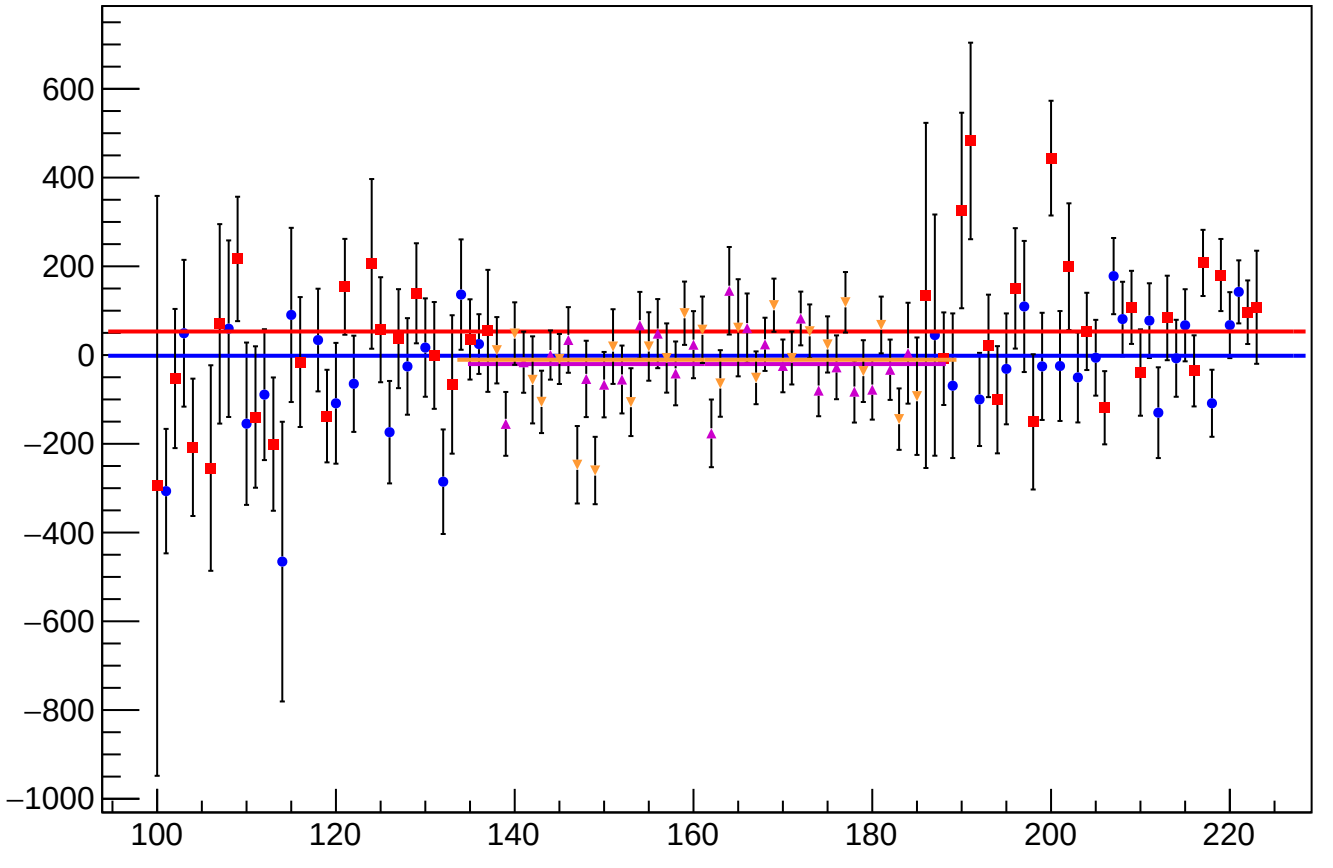
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 755.199+/-0.083 χ^2/NDF: 6243777.5/72

In: 408.624+/-0.050 χ^2/NDF:14212022.4/56

Out: 406.943+/-0.050 χ^2/NDF:16550421.6/63

All: 407.771+/-0.035 χ^2/NDF: 30763009.9/12



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

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

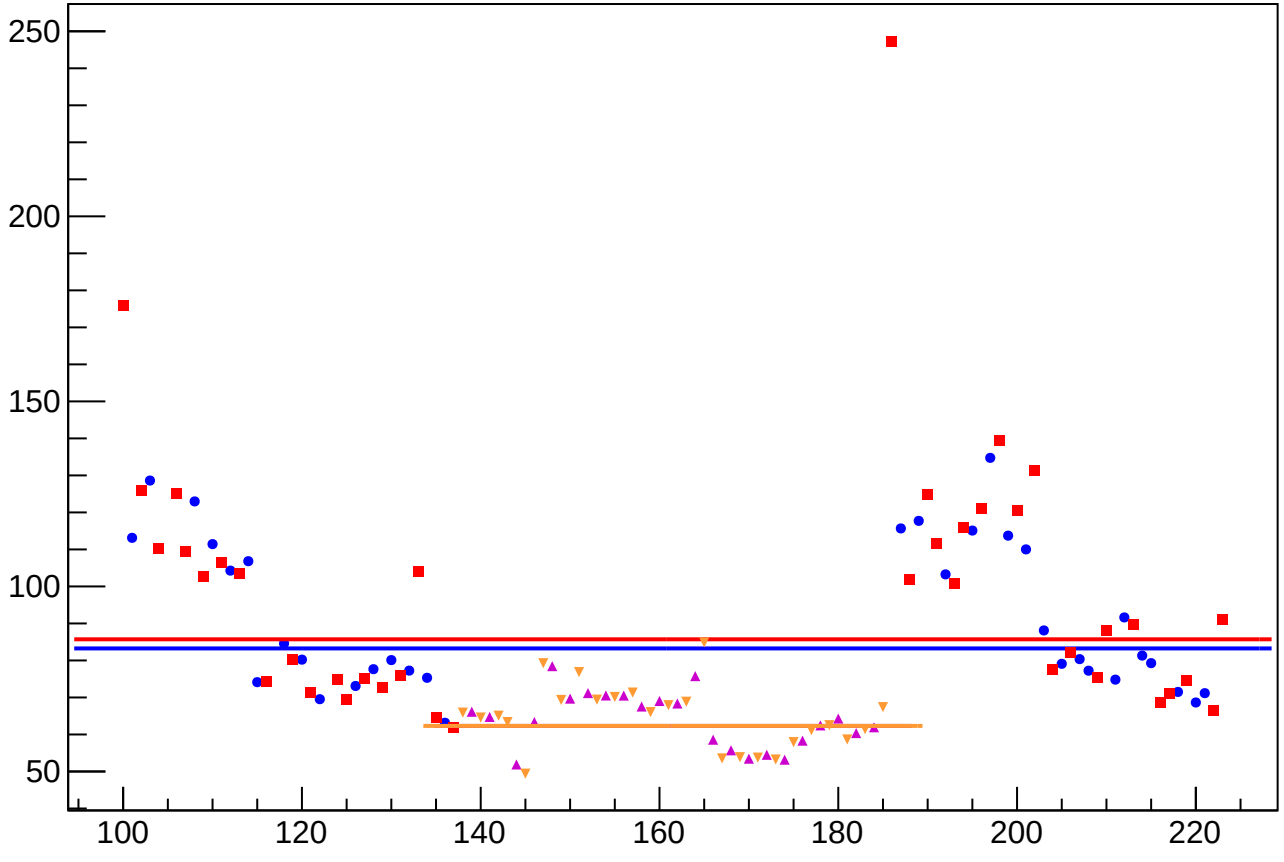
Right: 25.276+/-13.010 χ^2/NDF: 92.5/72

In: -12.888+/-11.467 χ^2/NDF:58.7/56

Out: 13.131+/-11.336 χ^2/NDF:101.3/63

All: 0.271+/-8.062 χ^2/NDF: 162.6/120

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

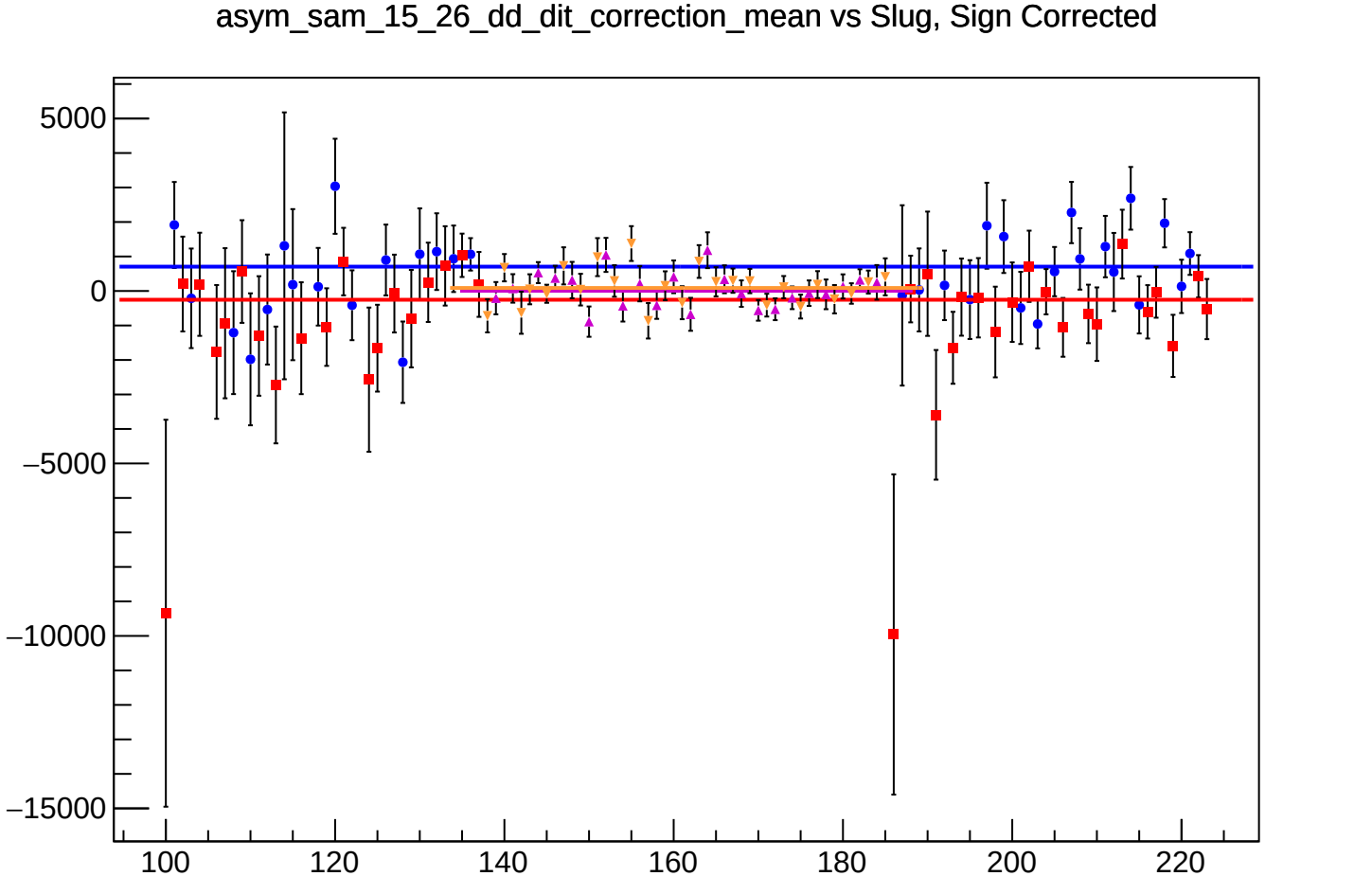
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 84.459+/-0.009 χ^2/NDF: 4249259.0/72

In: 70.594+/-0.008 χ^2/NDF:3779016.8/56

Out: 71.034+/-0.008 χ^2/NDF:5159537.5/63

All: 70.816+/-0.006 χ^2/NDF: 8940048.7/120



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

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

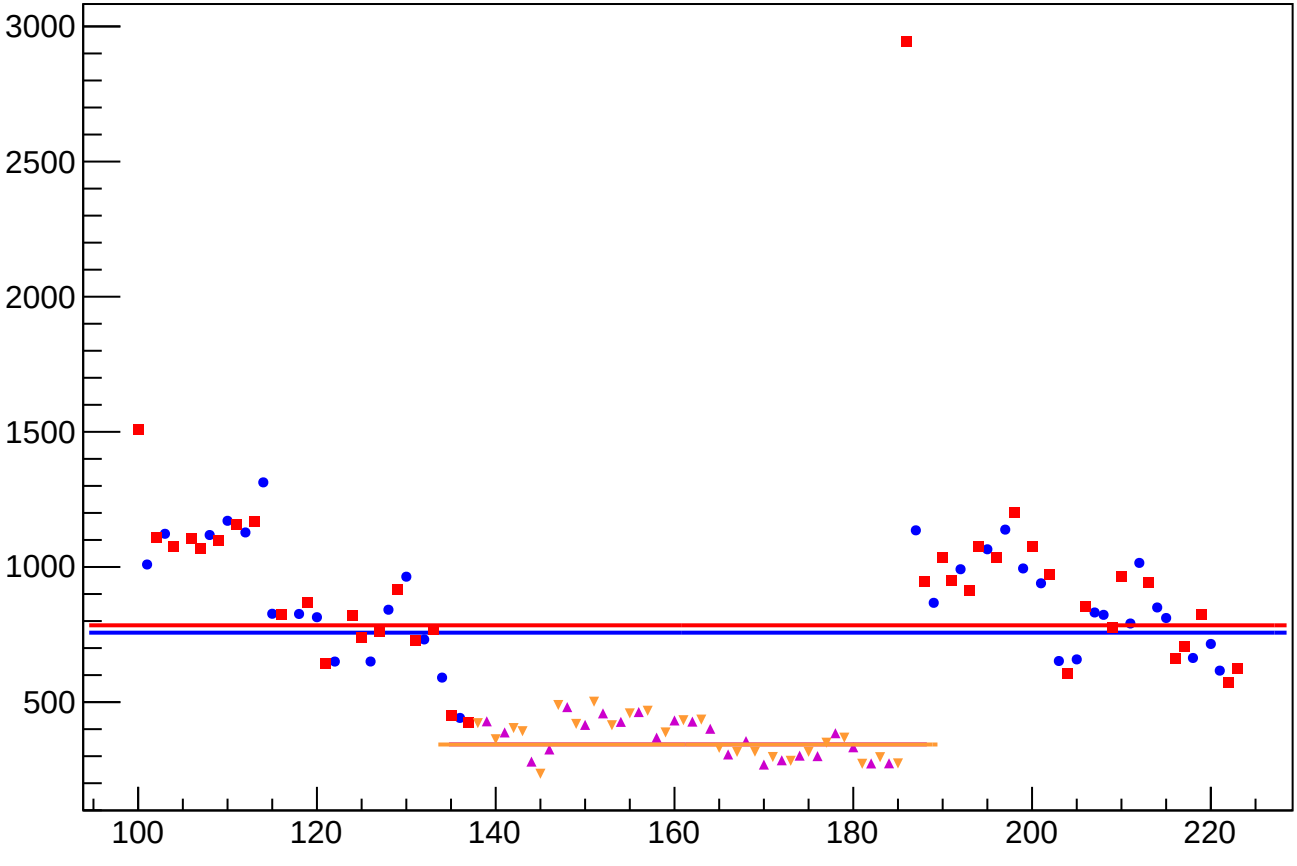
Right: 236.629+/-119.373 χ^2/NDF: 91.9/72

In: 142.665+/-73.679 χ^2/NDF:86.6/56

Out: 25.821+/-72.323 χ^2/NDF:70.6/63

All: 83.158+/-51.613 χ^2/NDF: 158.5/120

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



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

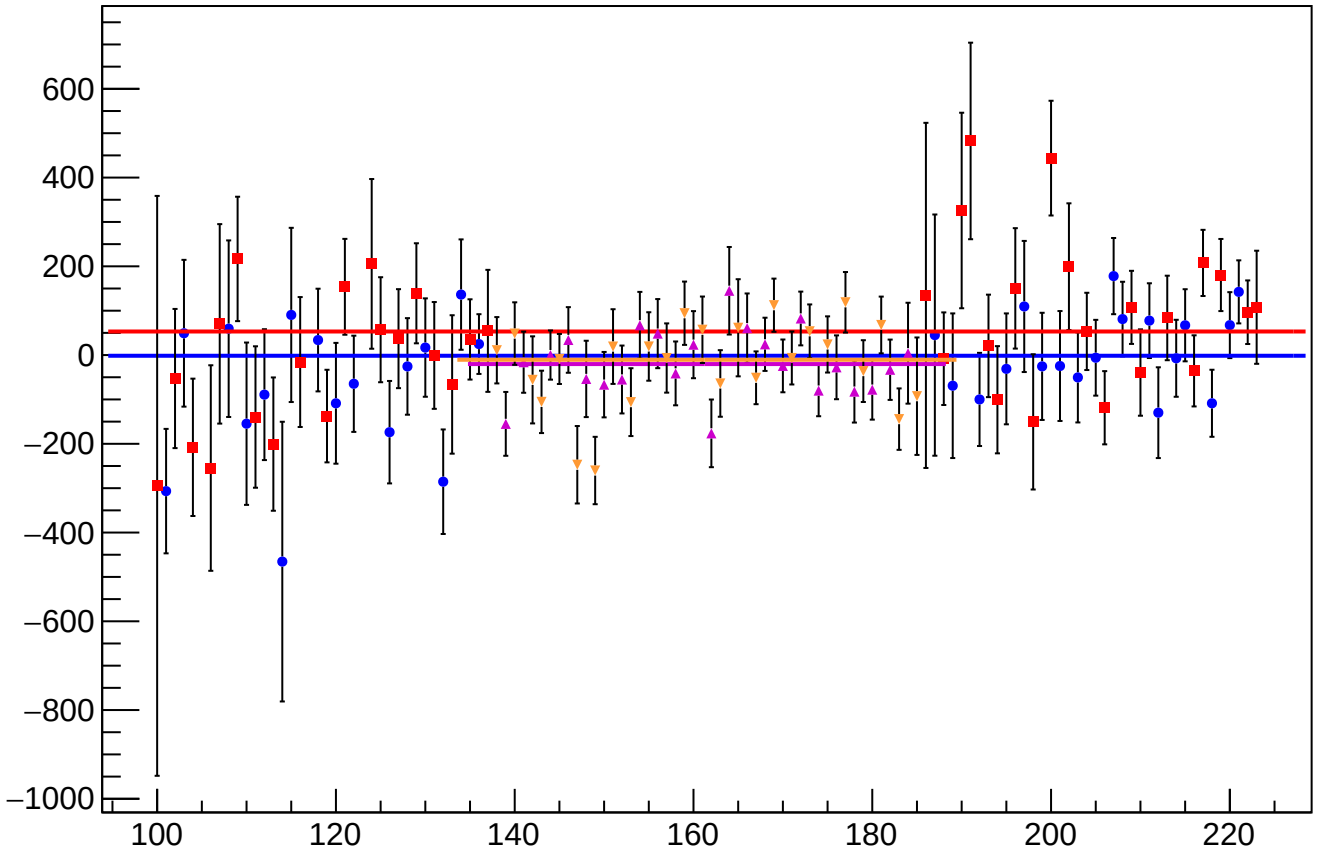
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 770.288+/-0.084 χ^2/NDF: 6083266.6/72

In: 424.231+/-0.052 χ^2/NDF:13793227.4/56

Out: 422.317+/-0.051 χ^2/NDF:15932459.8/63

All: 423.256+/-0.036 χ^2/NDF: 29726374.5/12



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

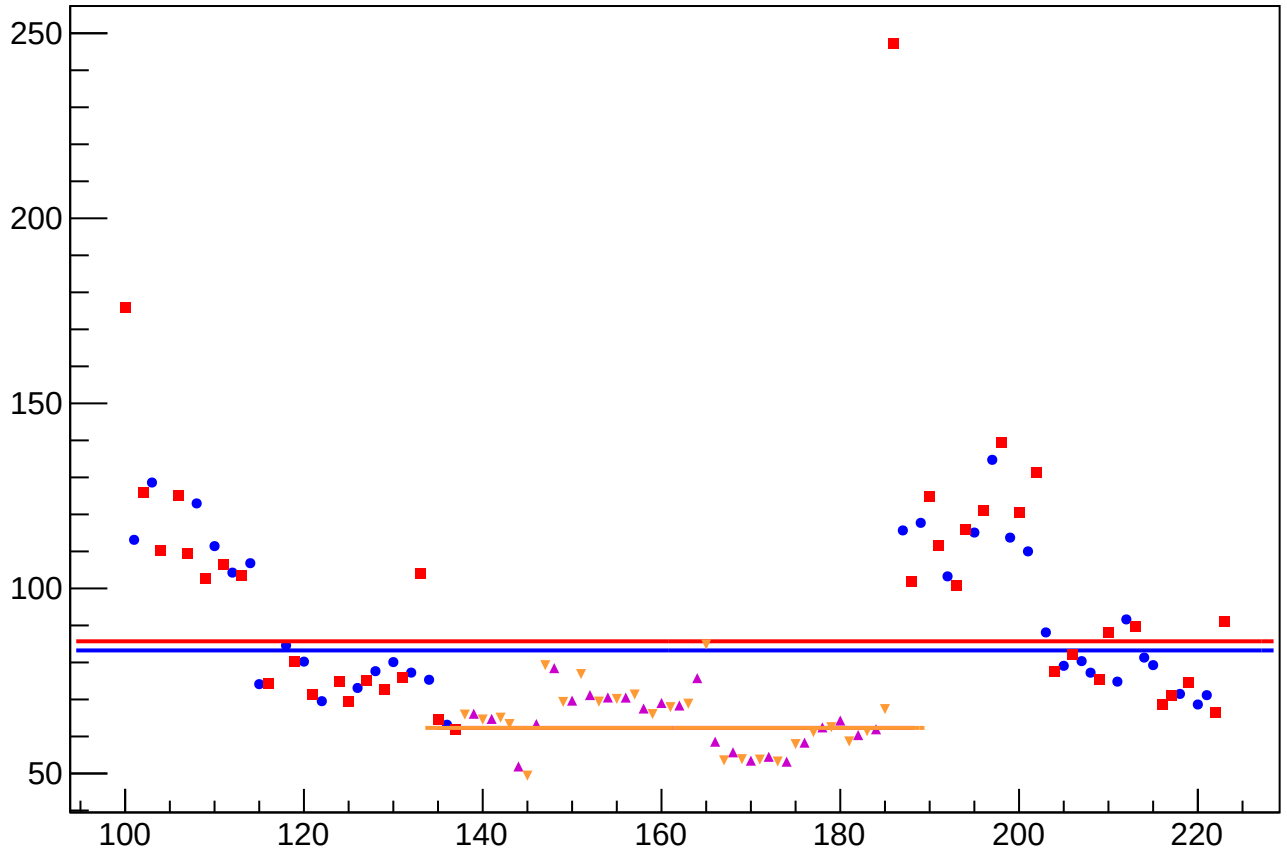
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 25.276+/-13.010 χ^2/NDF: 92.5/72

In: -12.889+/-11.467 χ^2/NDF:58.7/56

Out: 13.132+/-11.336 χ^2/NDF:101.3/63

All: 0.272+/-8.062 χ^2/NDF: 162.6/120



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

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

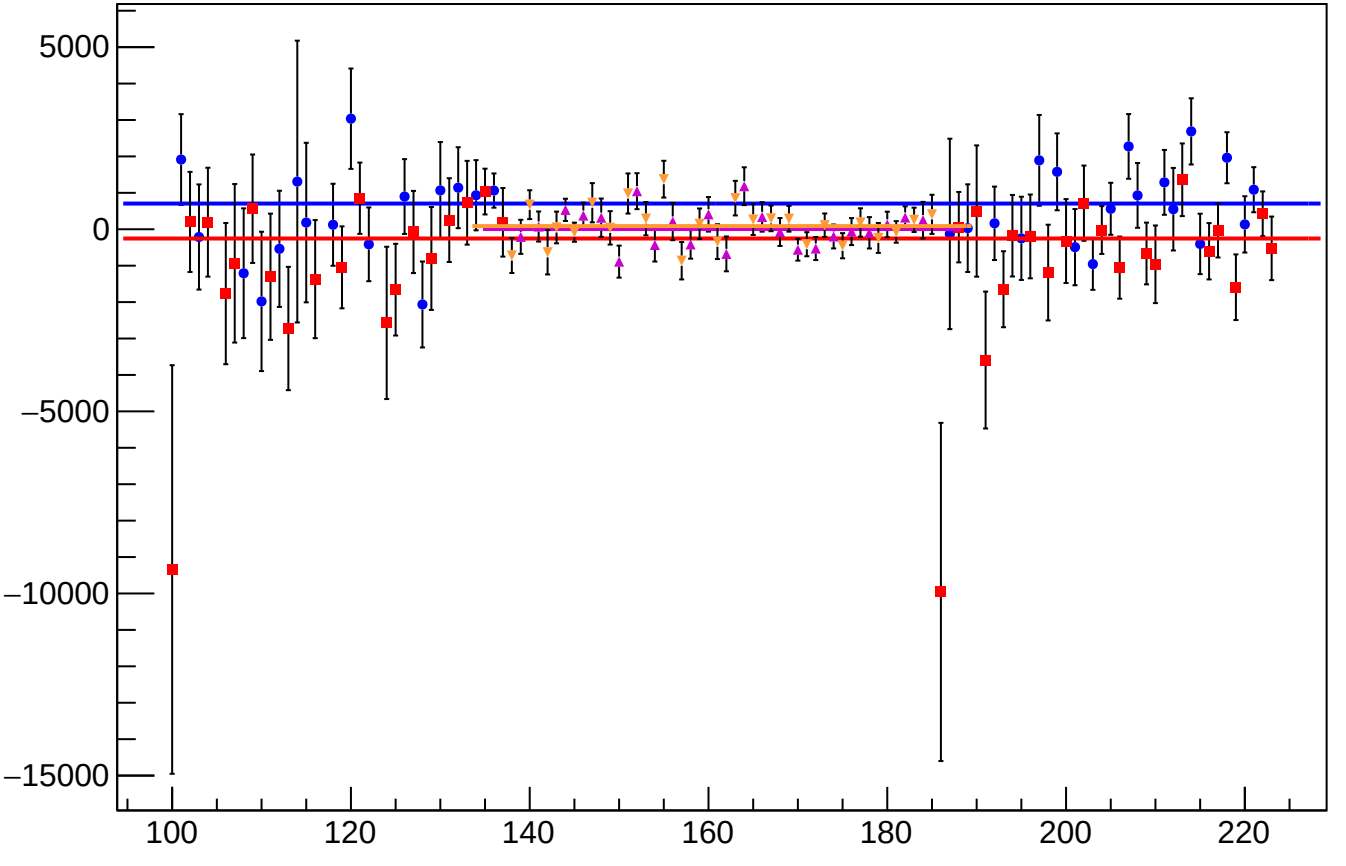
Right: 84.459+/-0.009 χ^2/NDF: 4249256.0/72

In: 70.594+/-0.008 χ^2/NDF:3778968.2/56

Out: 71.034+/-0.008 χ^2/NDF:5159507.1/63

All: 70.816+/-0.006 χ^2/NDF: 8939969.3/120

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

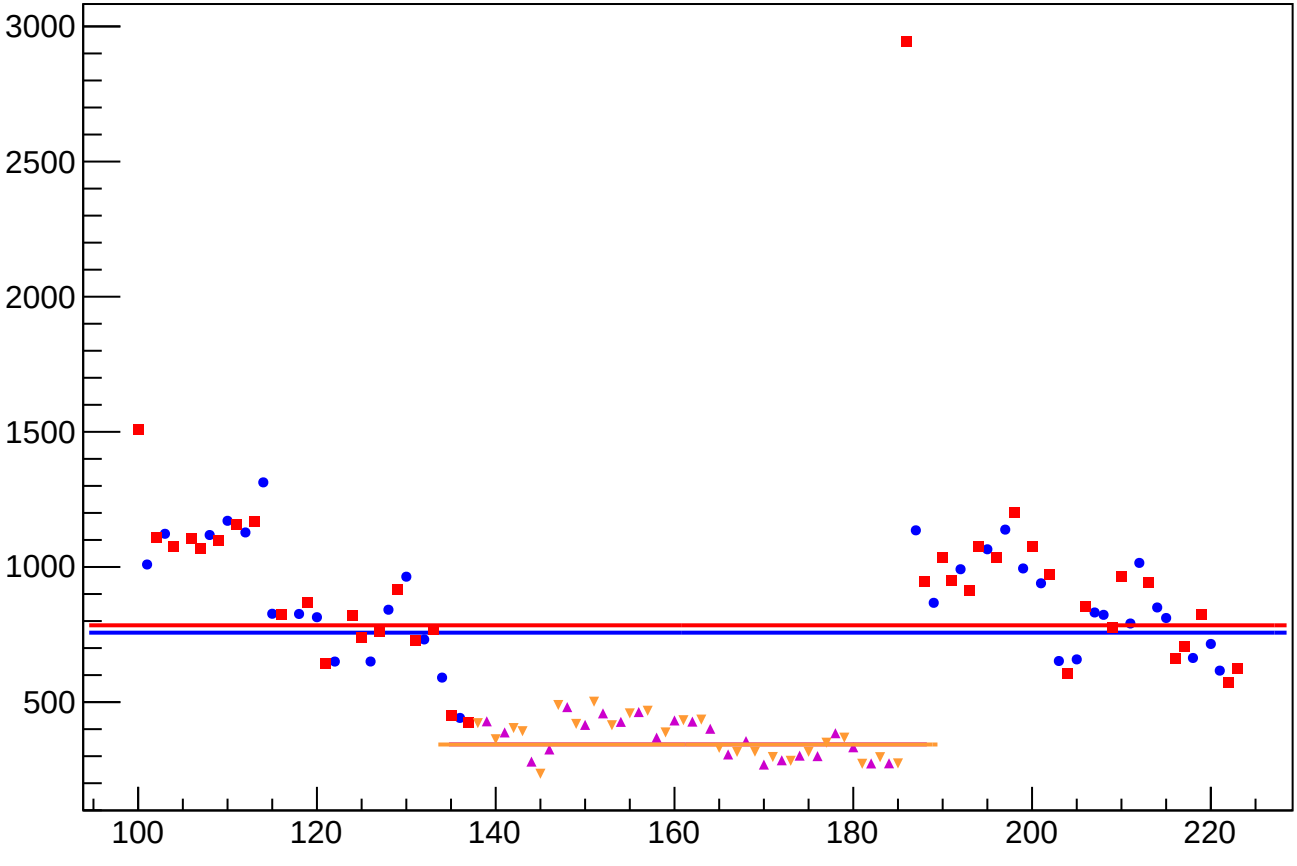
Right: 236.629+/-119.373 χ^2/NDF: 91.9/72

In: 142.665+/-73.679 χ^2/NDF:86.6/56

Out: 25.821+/-72.324 χ^2/NDF:70.6/63

All: 83.158+/-51.613 χ^2/NDF: 158.5/120

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

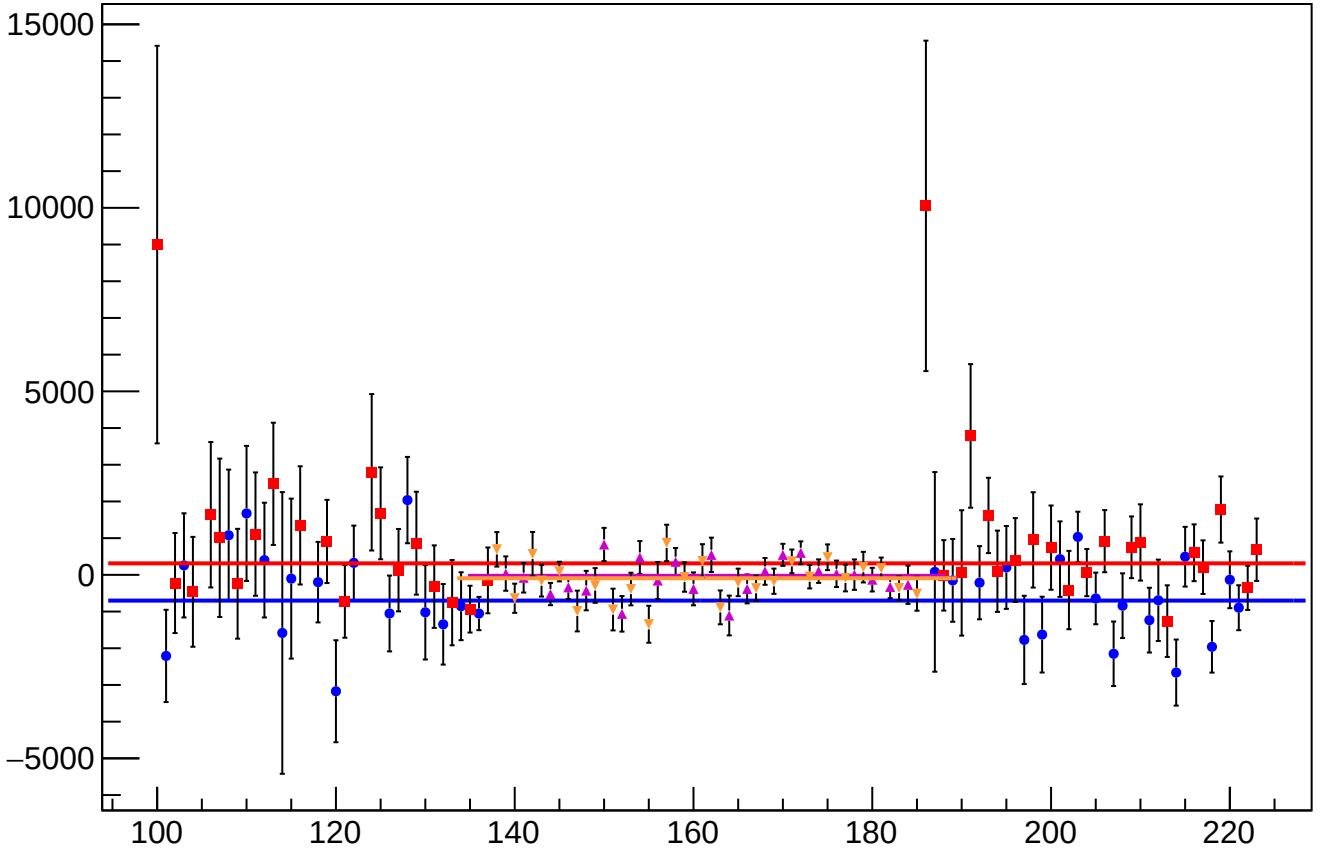
Right: 770.288+/-0.084 χ^2/NDF: 6083240.6/72

In: 424.231+/-0.052 χ^2/NDF:13793220.9/56

Out: 422.317+/-0.051 χ^2/NDF:15932471.6/63

All: 423.256+/-0.036 χ^2/NDF: 29726379.8/12

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

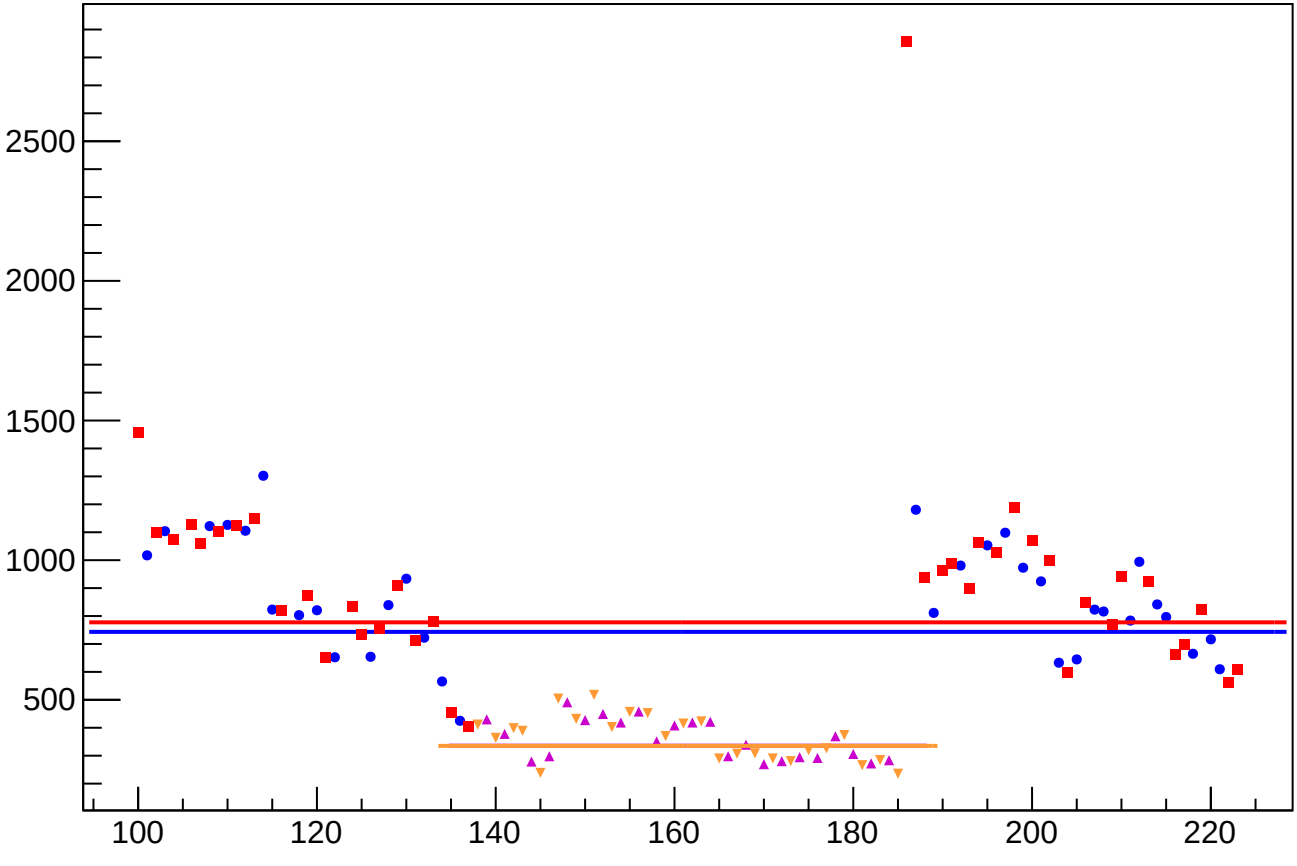
Right: -209.988+/-117.891 χ^2/NDF: 92.9/72

In: -157.092+/-72.068 χ^2/NDF:85.0/56

Out: -21.402+/-70.986 χ^2/NDF:72.8/63

All: -88.221+/-50.573 χ^2/NDF: 159.6/120

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

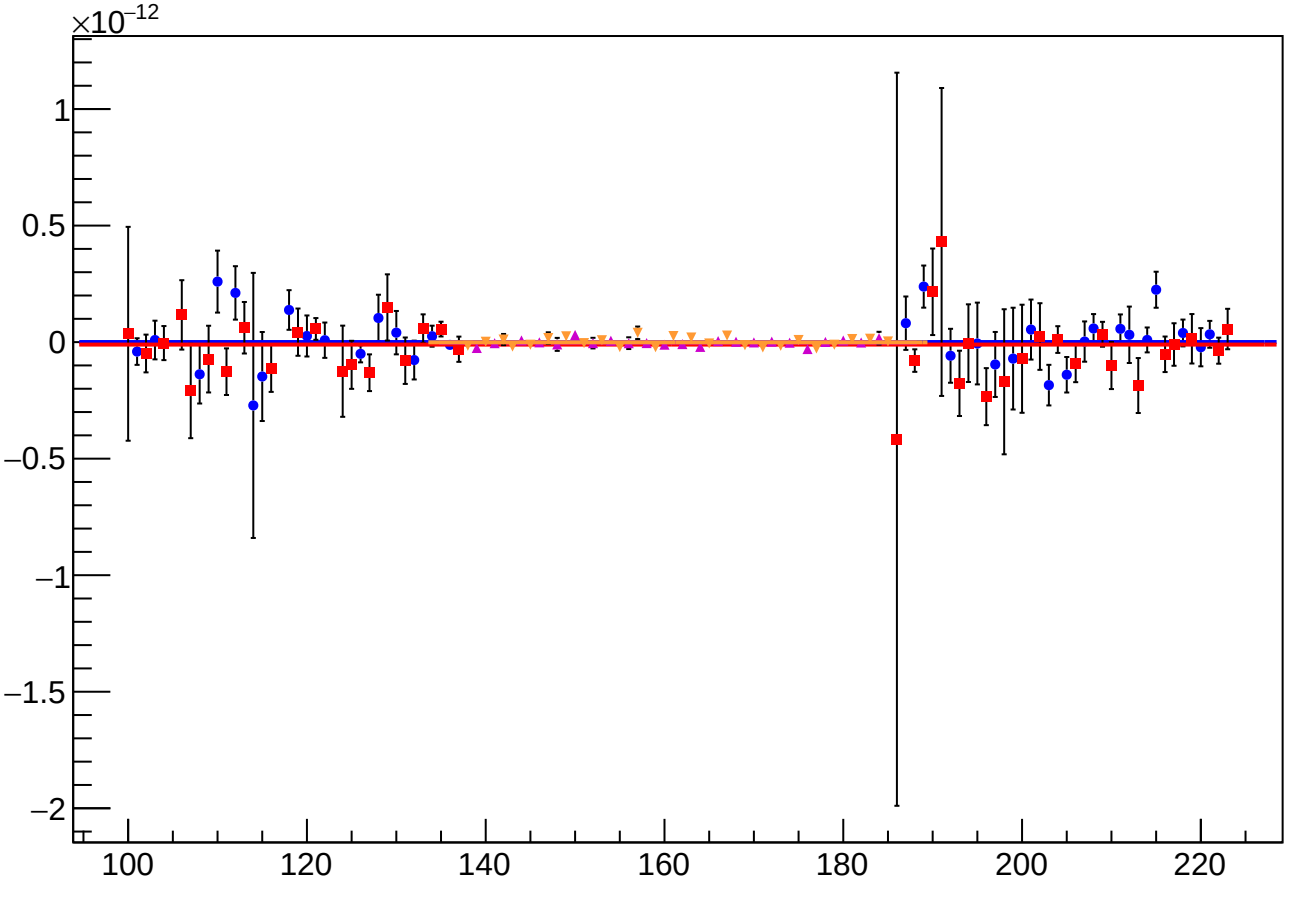
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 759.845+/-0.083 χ^2/NDF: 6216998.0/72

In: 414.299+/-0.051 χ^2/NDF:13993264.0/56

Out: 412.839+/-0.050 χ^2/NDF:16368533.6/63

All: 413.558+/-0.036 χ^2/NDF: 30362214.3/12



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

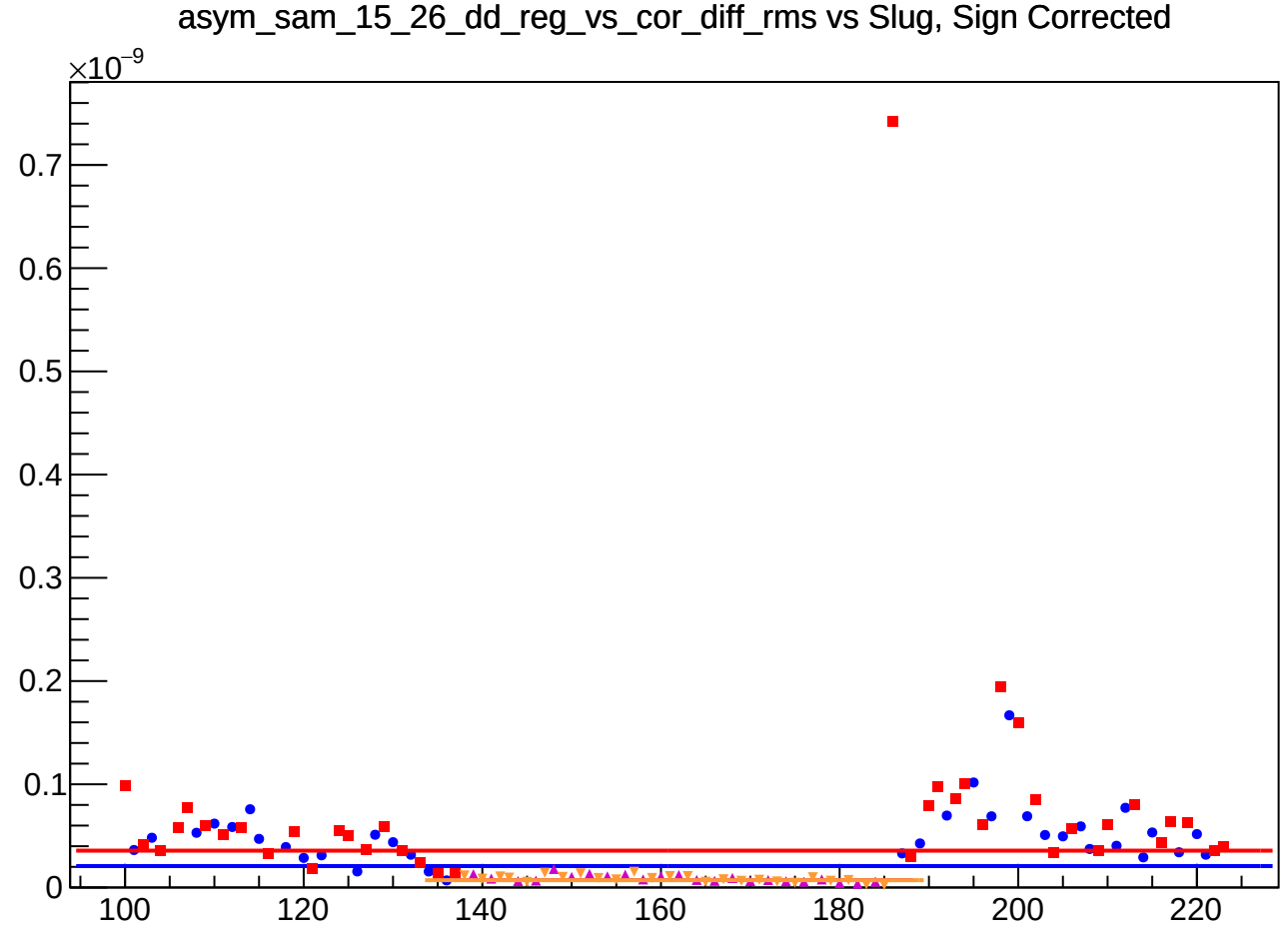
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 79.0/72

In: -0.000+/-0.000 χ^2/NDF:60.0/56

Out: -0.000+/-0.000 χ^2/NDF:67.1/63

All: -0.000+/-0.000 χ^2/NDF: 127.1/120



Right In: 0.000+/-0.000 χ^2/NDF: 8911533.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5627645.2/38

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

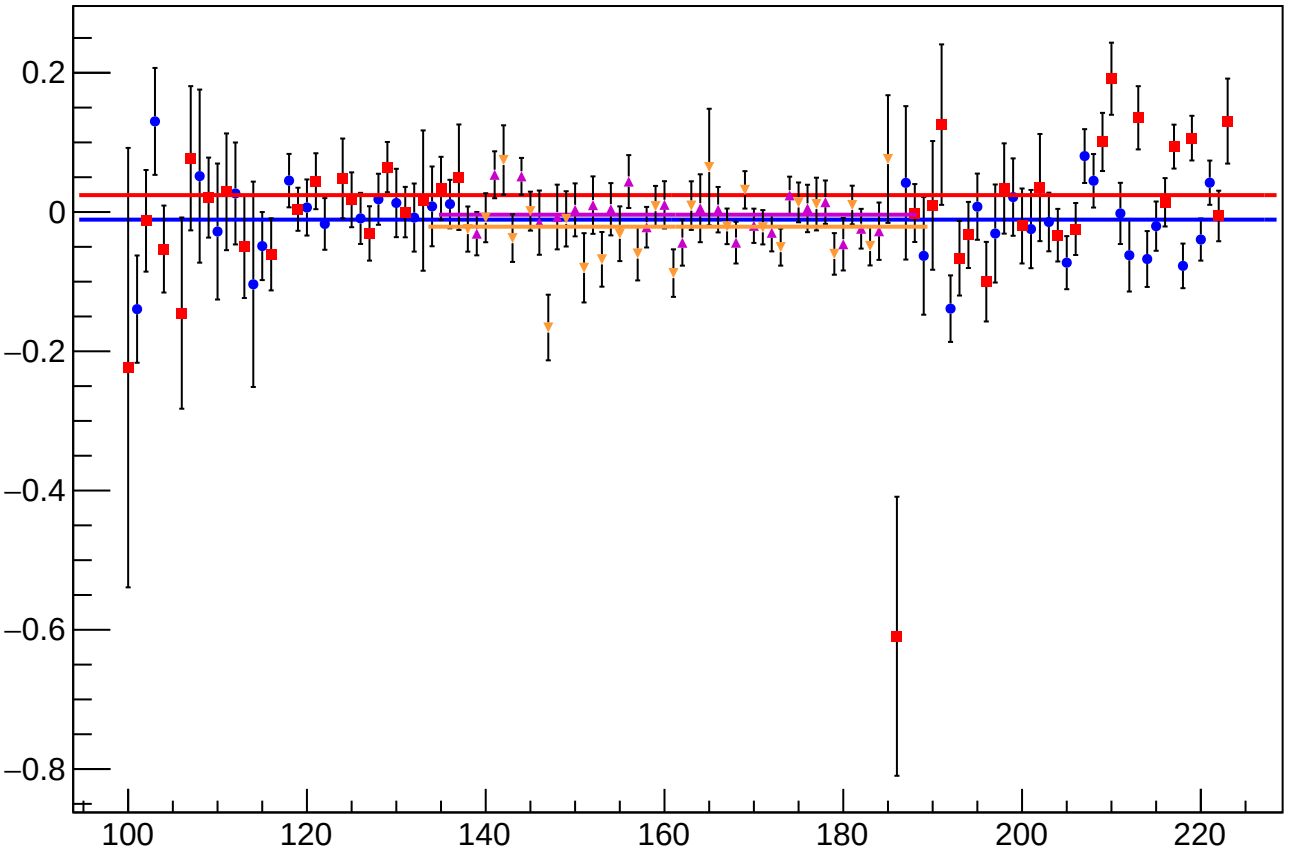
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16287619.8/72

In: 0.000+/-0.000 χ^2/NDF:14469960.3/56

Out: 0.000+/-0.000 χ^2/NDF:16769360.0/63

All: 0.000+/-0.000 χ^2/NDF: 31241432.5/120



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

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

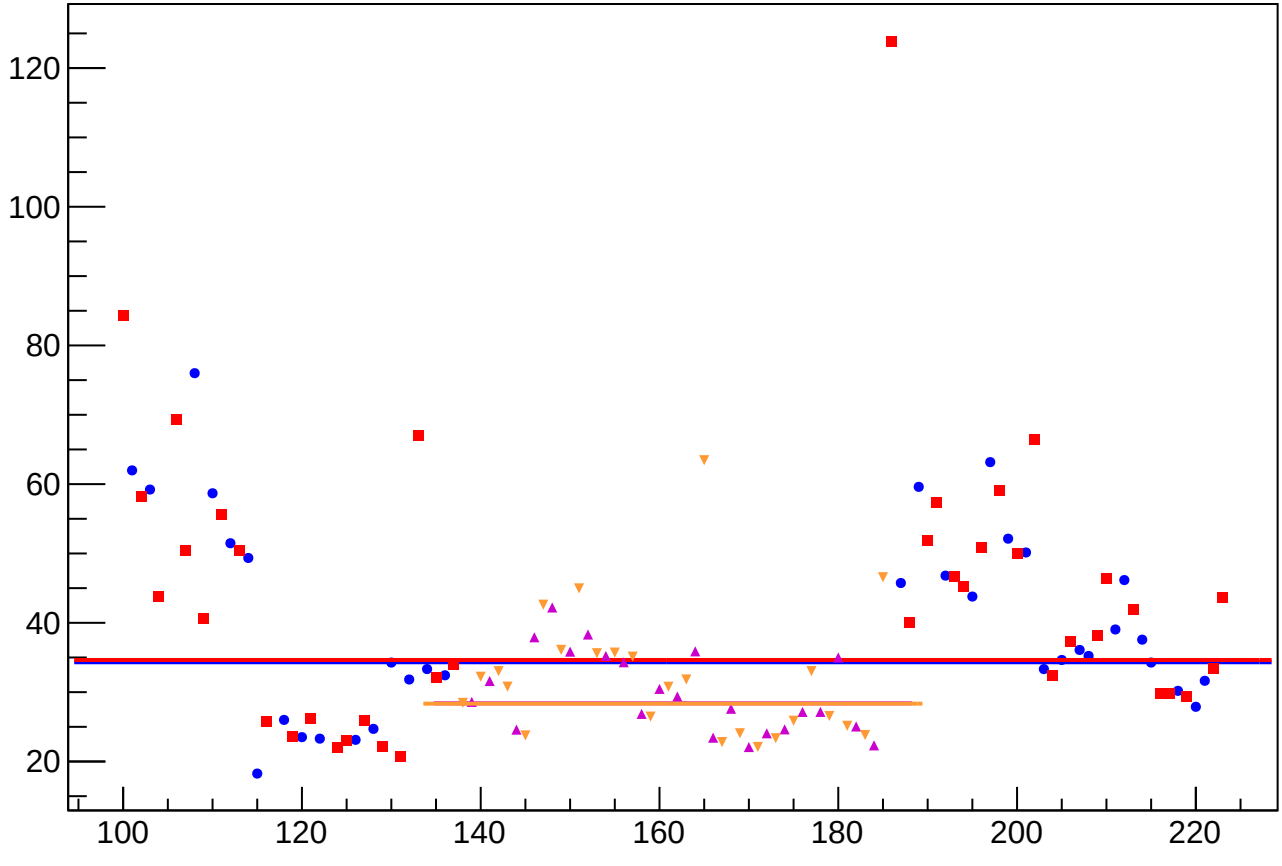
Right: 0.007+/-0.006 χ^2/NDF: 124.0/72

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.002+/-0.005 χ^2/NDF:129.3/63

All: -0.004+/-0.004 χ^2/NDF: 190.1/120

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

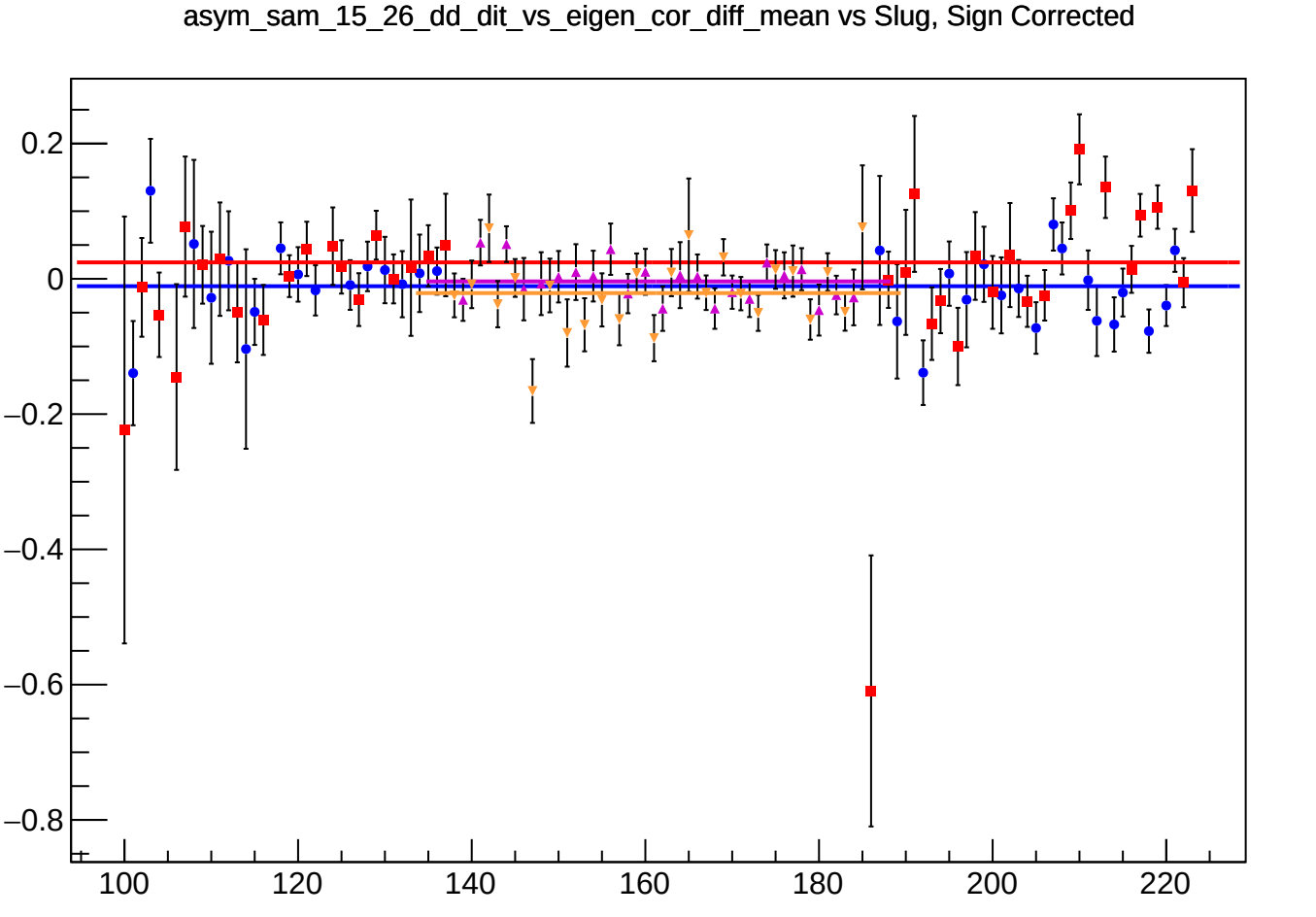
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.476+/-0.004 χ^2/NDF: 7648700.4/72

In: 30.982+/-0.004 χ^2/NDF:5065350.3/56

Out: 31.007+/-0.004 χ^2/NDF:6821038.7/63

All: 30.994+/-0.003 χ^2/NDF: 11886413.0/120



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

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

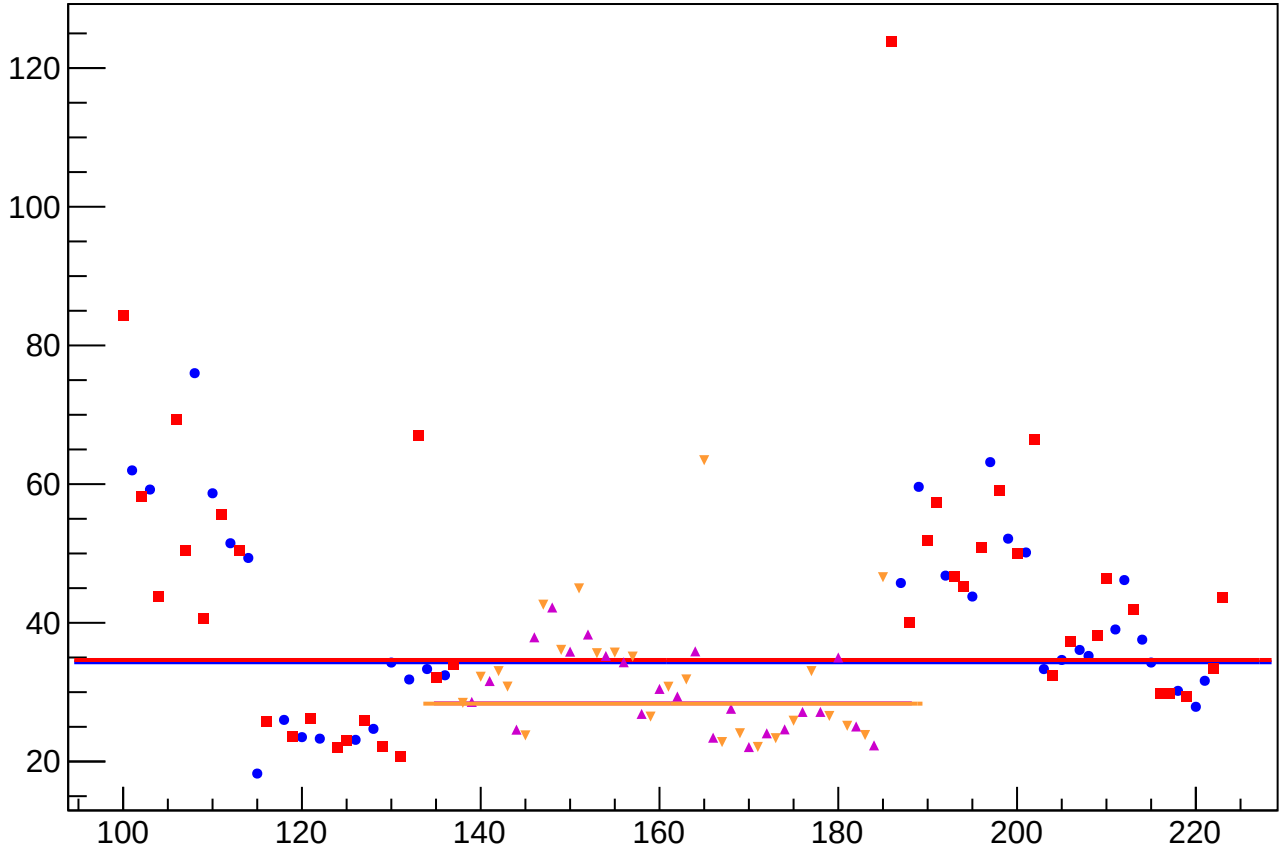
Right: 0.007+/-0.006 χ^2/NDF: 124.0/72

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.002+/-0.005 χ^2/NDF:129.3/63

All: -0.004+/-0.004 χ^2/NDF: 190.1/120

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

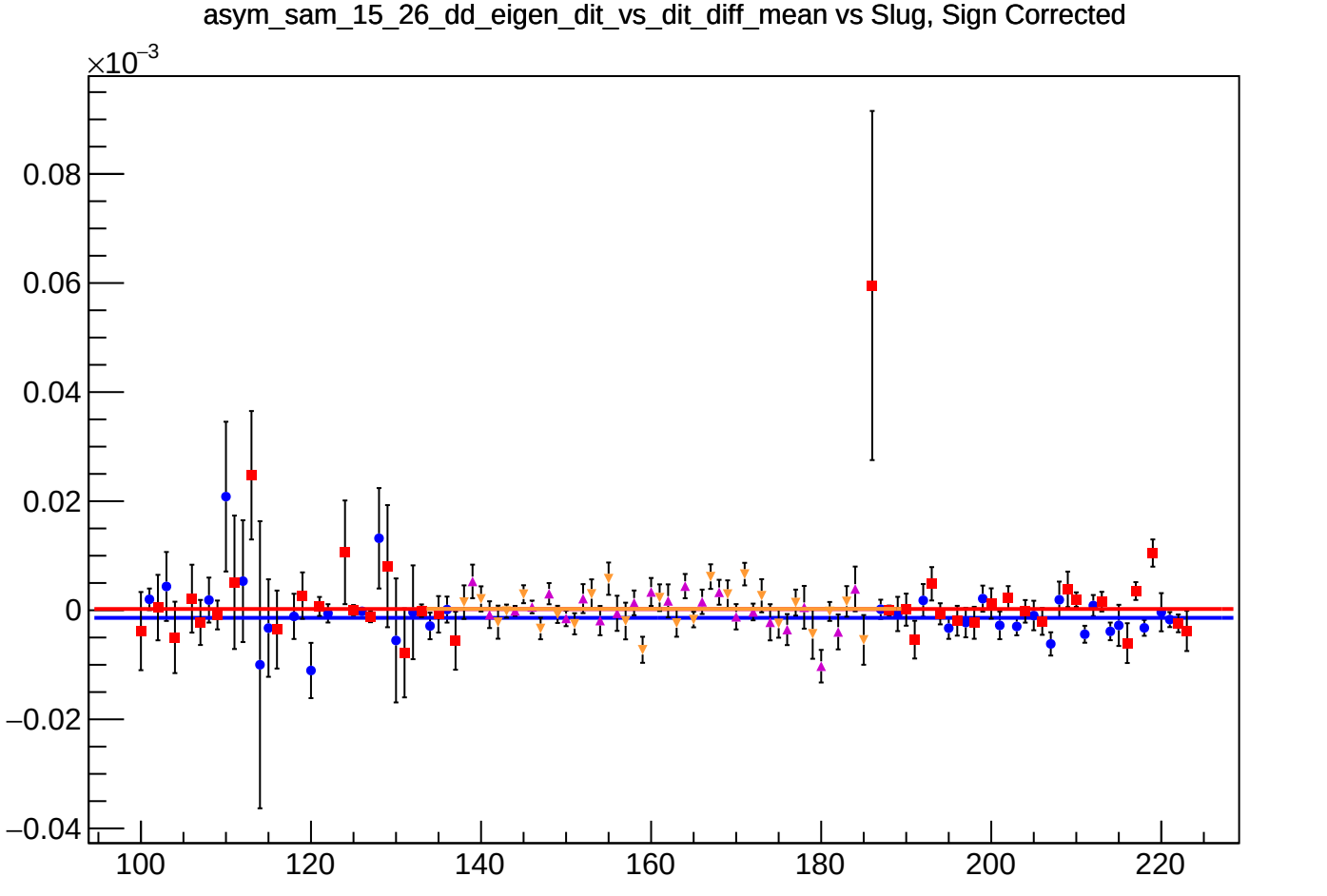
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.476+/-0.004 χ^2/NDF: 7648700.4/72

In: 30.982+/-0.004 χ^2/NDF:5065350.3/56

Out: 31.007+/-0.004 χ^2/NDF:6821038.7/63

All: 30.994+/-0.003 χ^2/NDF: 11886413.0/120



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

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

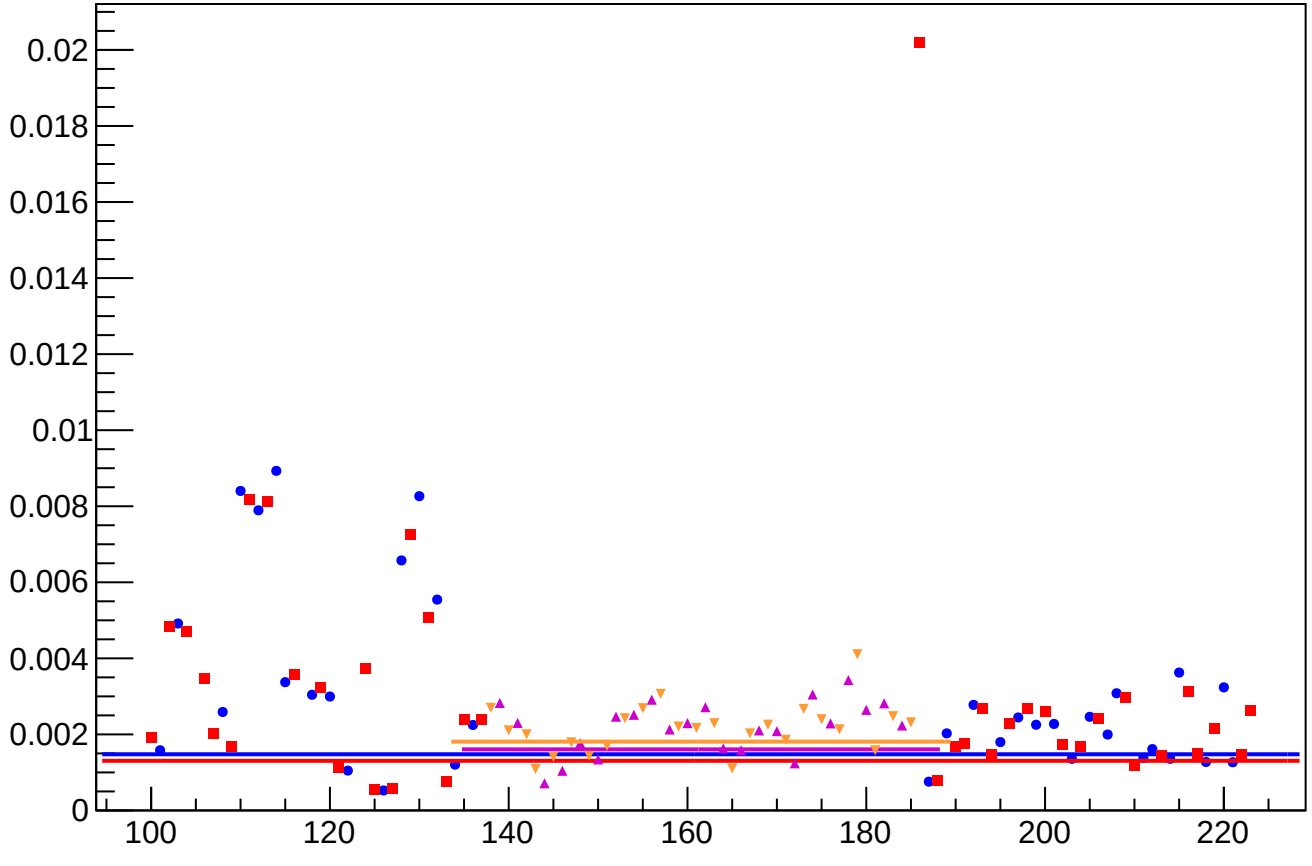
Right: -0.000+/-0.000 χ^2/NDF: 104.5/72

In: -0.000+/-0.000 χ^2/NDF:80.2/56

Out: 0.000+/-0.000 χ^2/NDF:106.4/63

All: -0.000+/-0.000 χ^2/NDF: 192.0/120

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

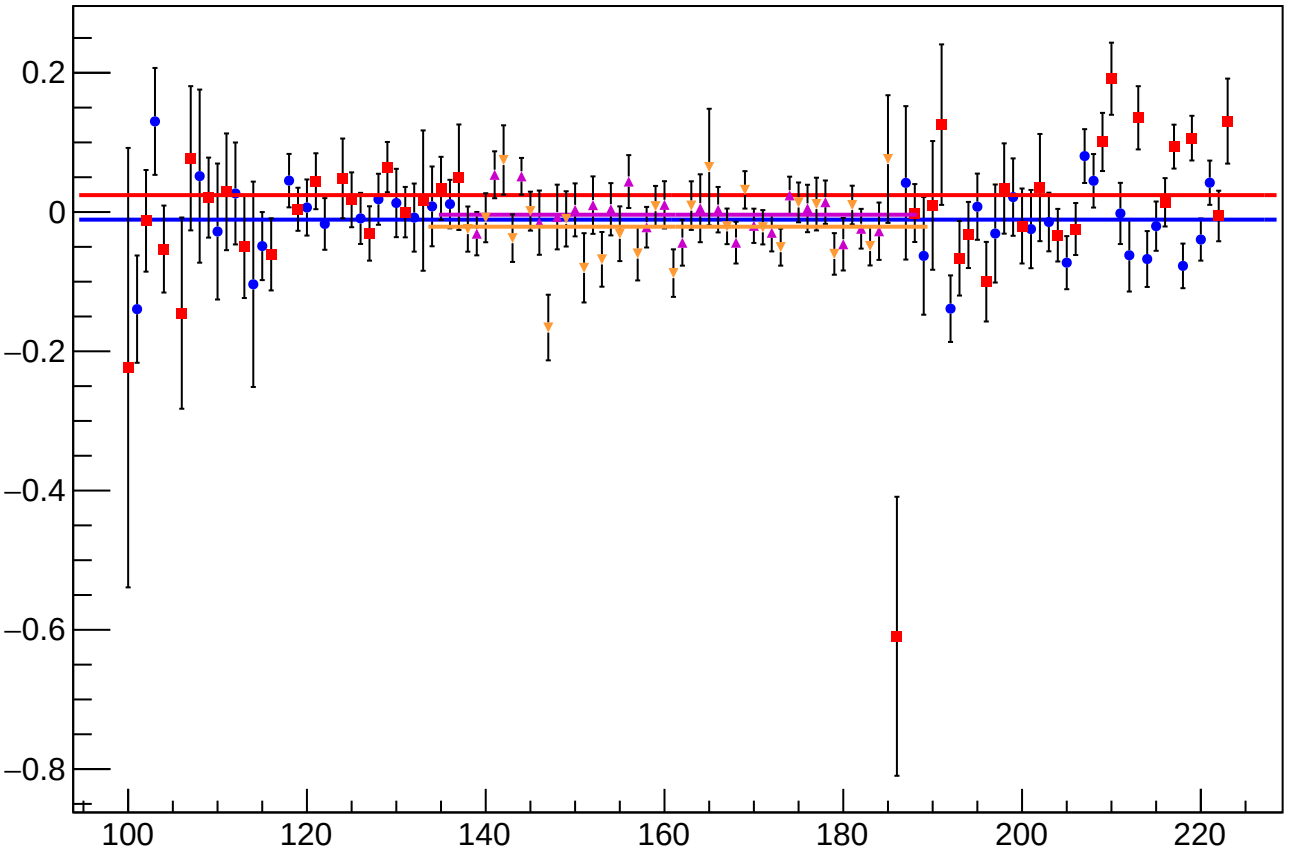
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 24016029.1/72

In: 0.002+/-0.000 χ^2/NDF:17149347.7/56

Out: 0.001+/-0.000 χ^2/NDF:17877965.6/63

All: 0.002+/-0.000 χ^2/NDF: 35044460.2/120



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

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

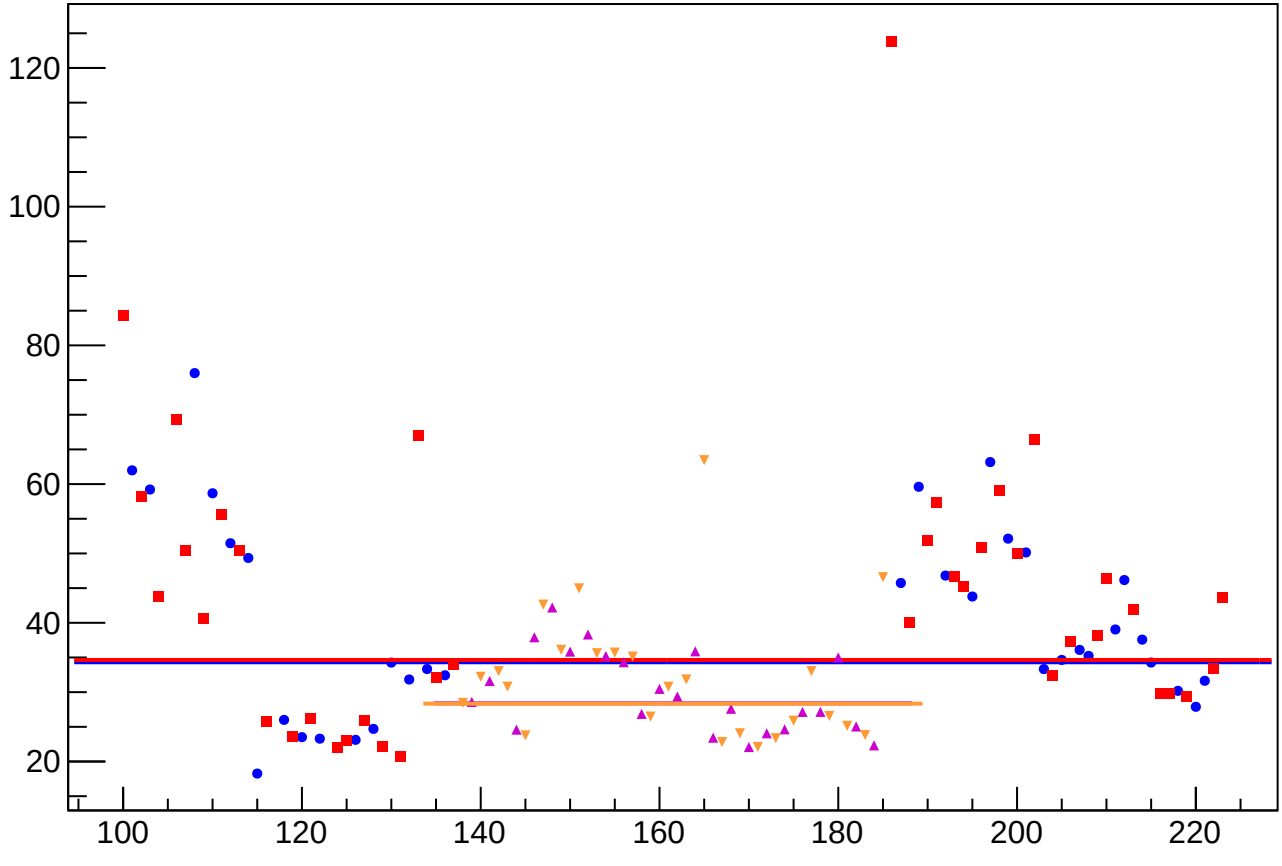
Right: 0.007+/-0.006 χ^2/NDF: 124.0/72

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.002+/-0.005 χ^2/NDF:129.3/63

All: -0.004+/-0.004 χ^2/NDF: 190.1/120

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

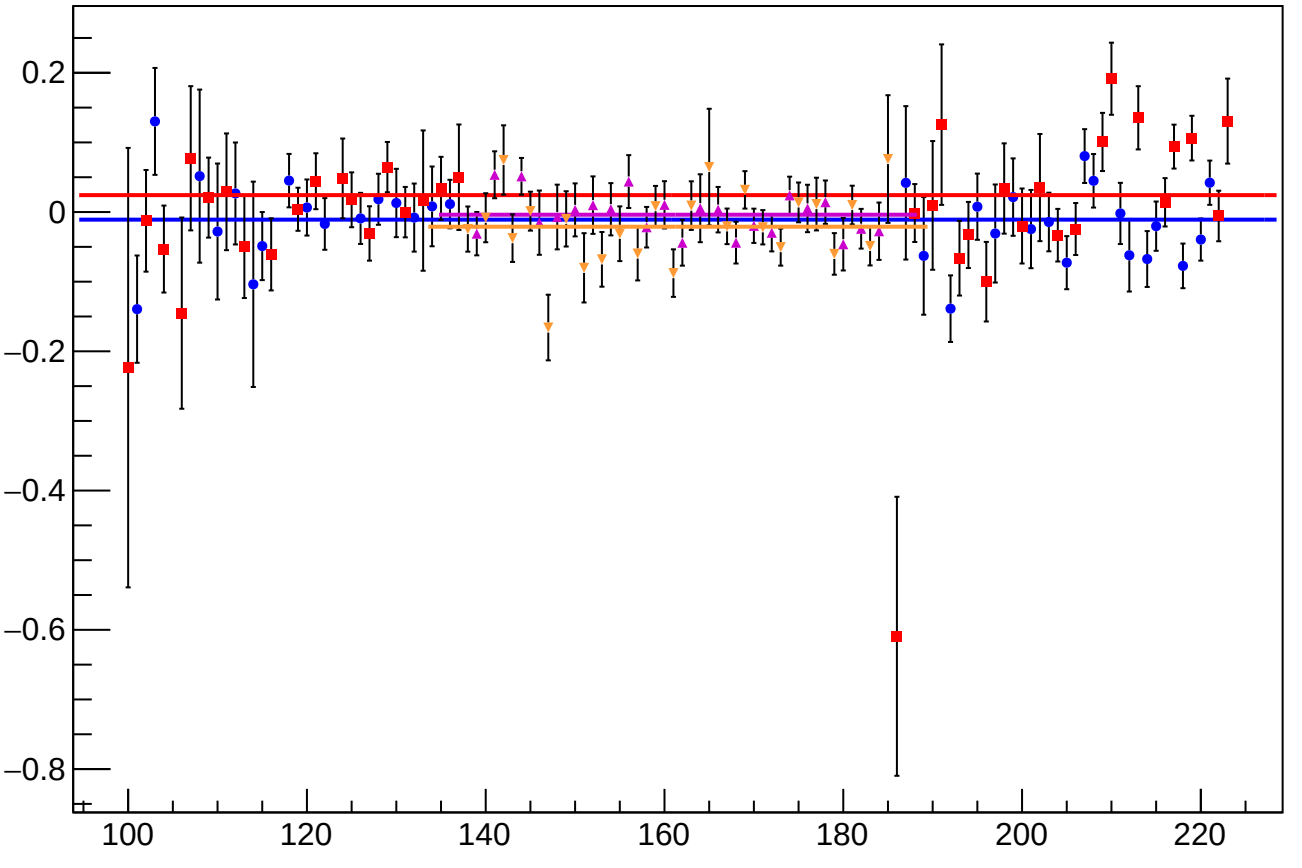
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.476+/-0.004 χ^2/NDF: 7648686.3/72

In: 30.982+/-0.004 χ^2/NDF:5065170.8/56

Out: 31.007+/-0.004 χ^2/NDF:6821059.3/63

All: 30.994+/-0.003 χ^2/NDF: 11886253.7/120



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

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

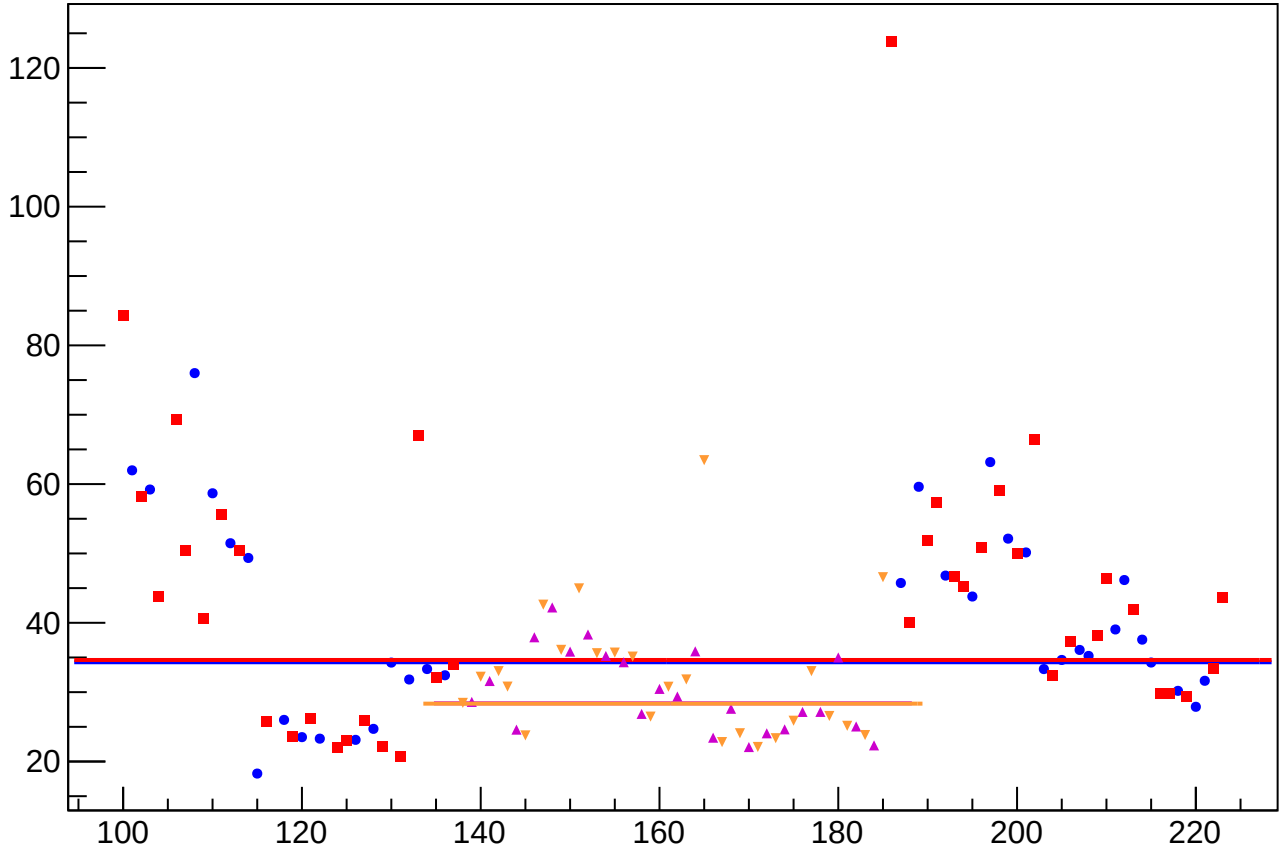
Right: 0.007+/-0.006 χ^2/NDF: 124.0/72

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.002+/-0.005 χ^2/NDF:129.3/63

All: -0.004+/-0.004 χ^2/NDF: 190.1/120

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

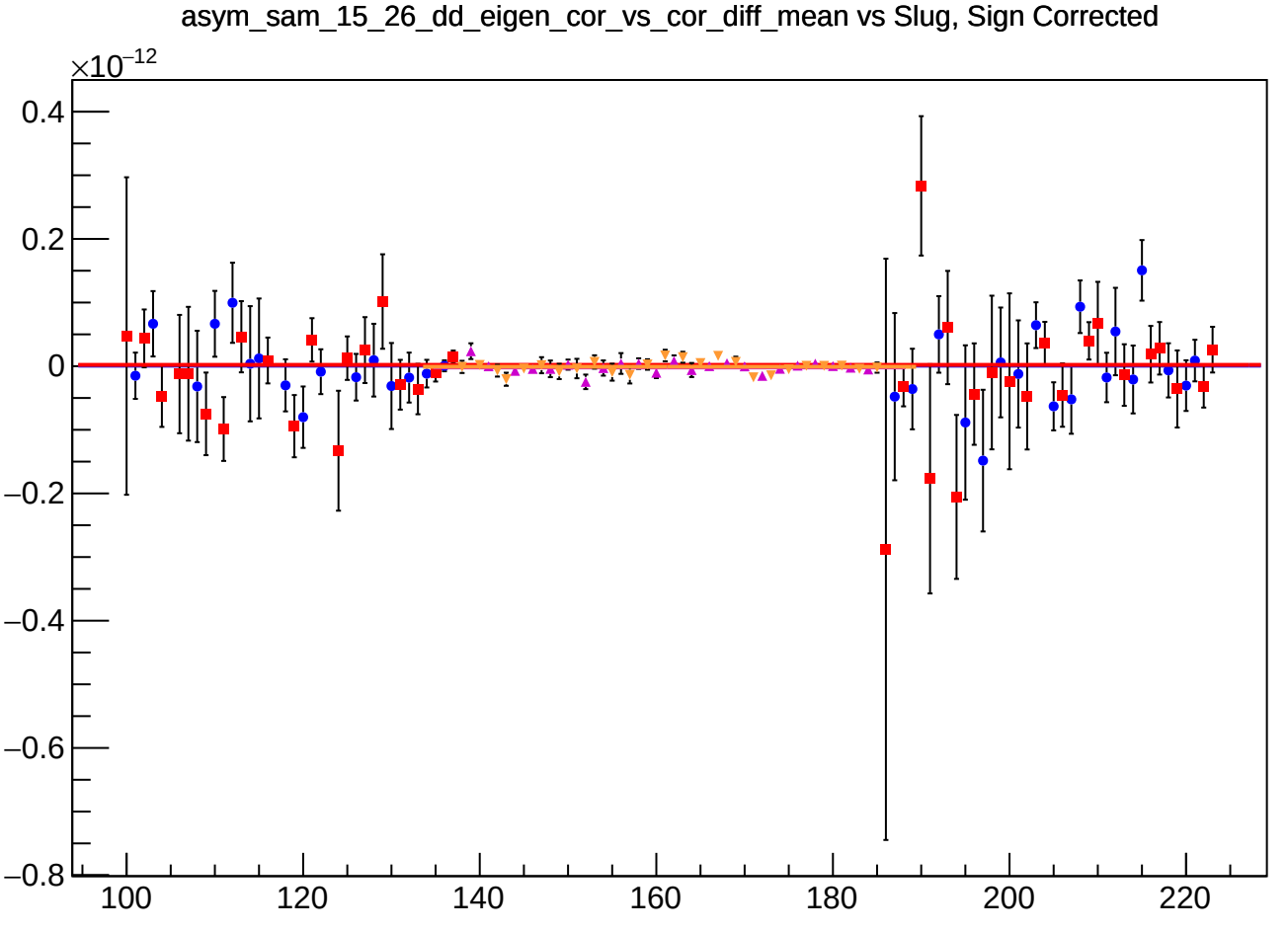
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.476+/-0.004 χ^2/NDF: 7648686.3/72

In: 30.982+/-0.004 χ^2/NDF:5065170.8/56

Out: 31.007+/-0.004 χ^2/NDF:6821059.3/63

All: 30.994+/-0.003 χ^2/NDF: 11886253.7/120



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

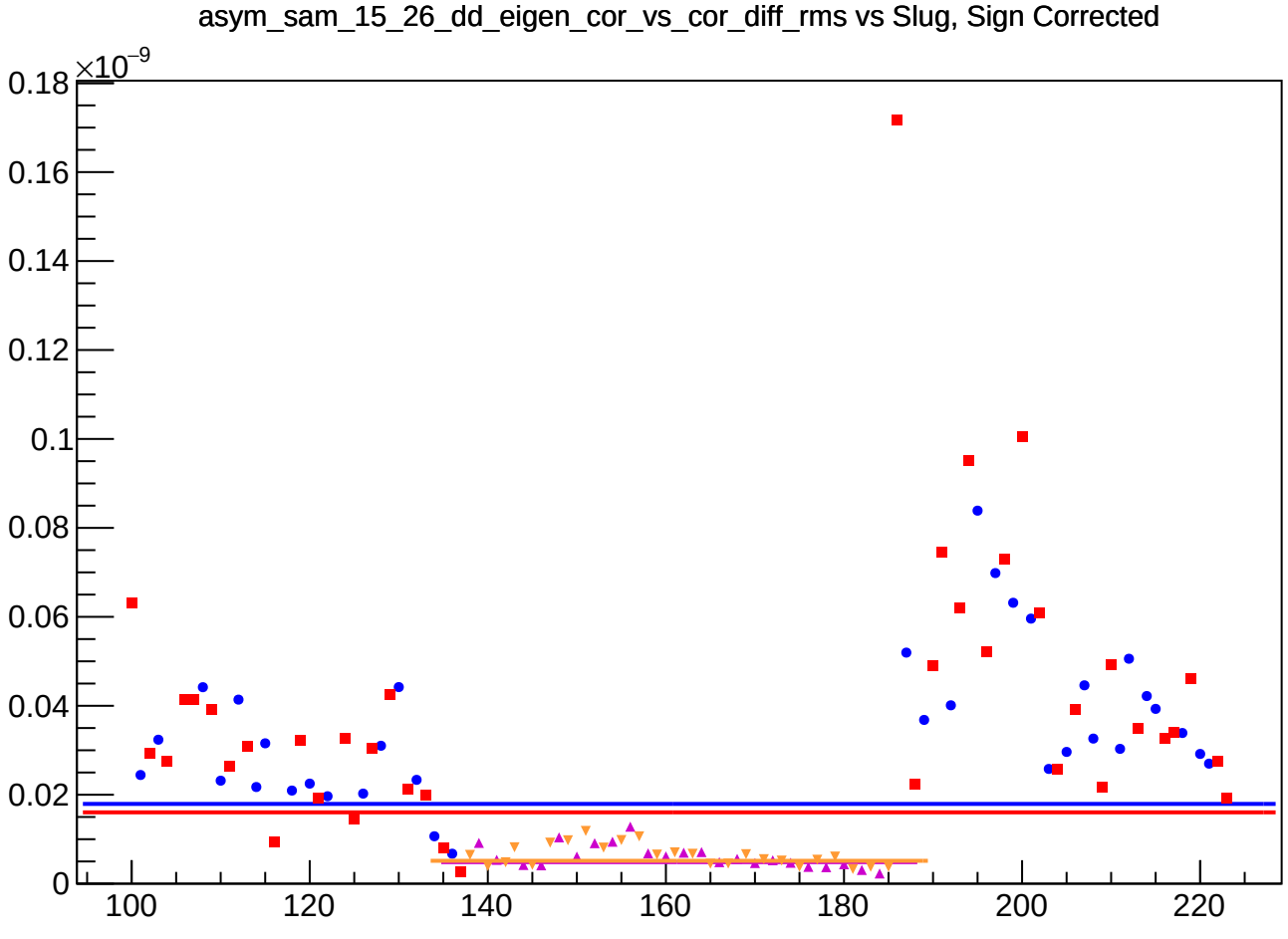
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 79.2/72

In: -0.000+/-0.000 χ^2/NDF:57.4/56

Out: -0.000+/-0.000 χ^2/NDF:75.8/63

All: -0.000+/-0.000 χ^2/NDF: 133.5/120



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

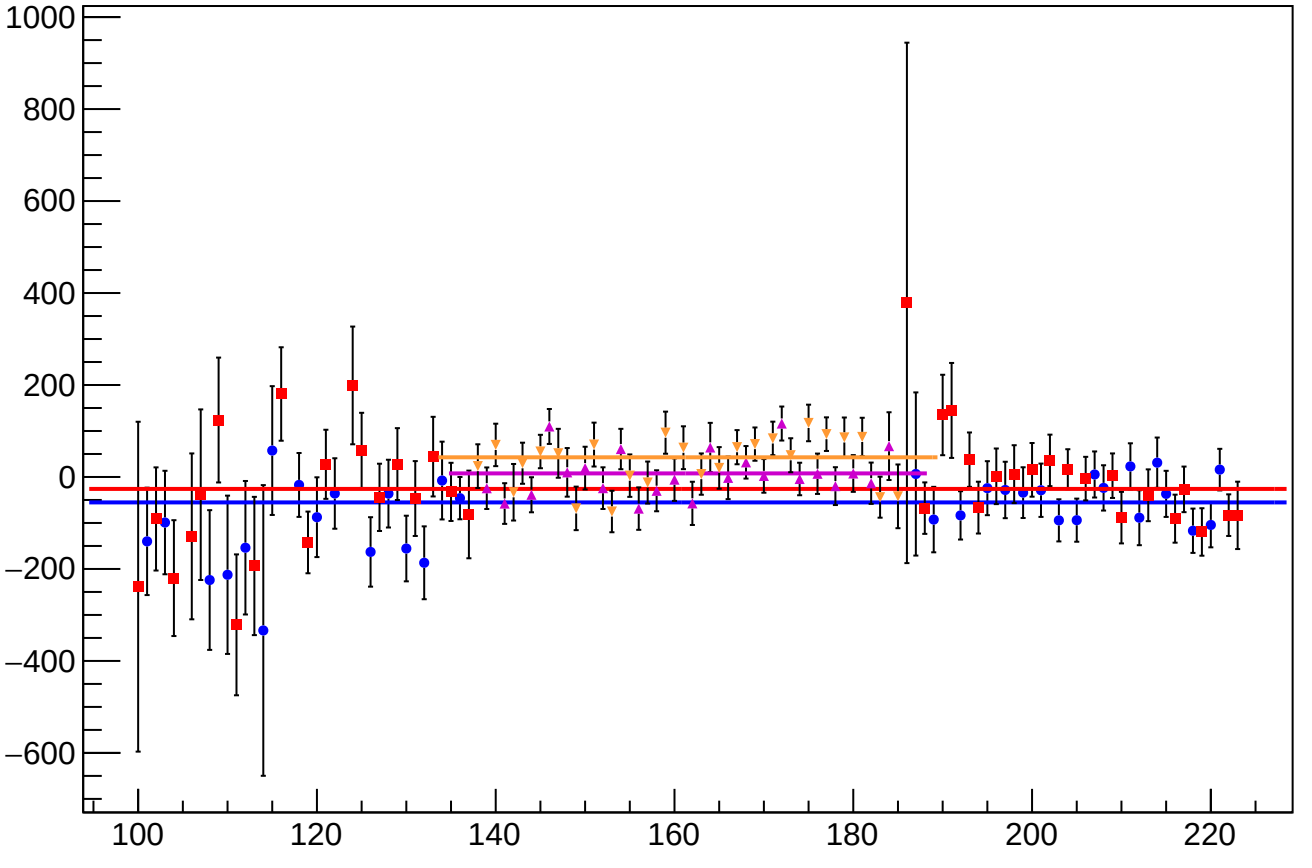
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 23882465.3/72

In: 0.000+/-0.000 χ^2/NDF:22909459.0/56

Out: 0.000+/-0.000 χ^2/NDF:23013612.2/63

All: 0.000+/-0.000 χ^2/NDF: 45950999.8/120



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

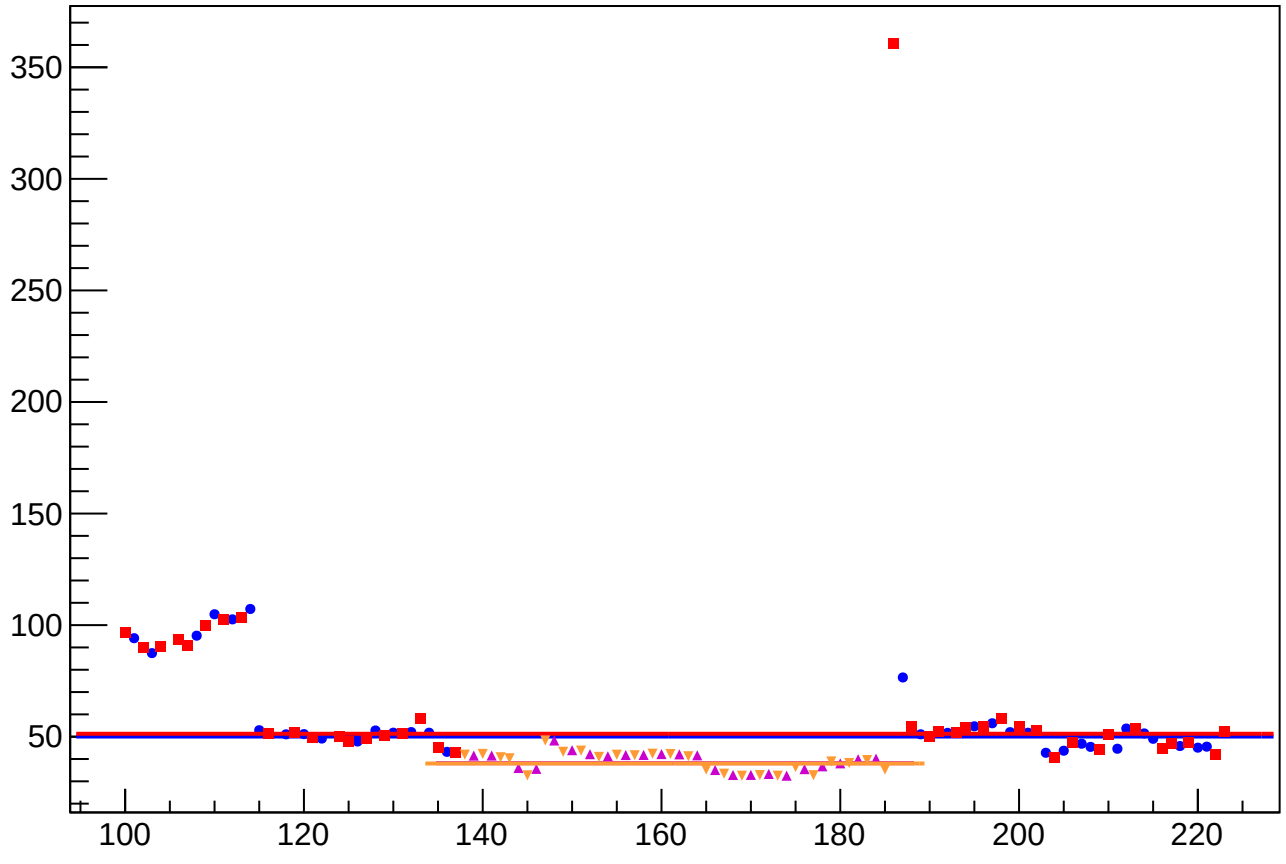
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -40.848+/-7.752 χ^2/NDF: 75.1/72

In: -17.752+/-6.924 χ^2/NDF:78.2/56

Out: 16.454+/-6.833 χ^2/NDF:102.6/63

All: -0.424+/-4.864 χ^2/NDF: 193.1/120



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

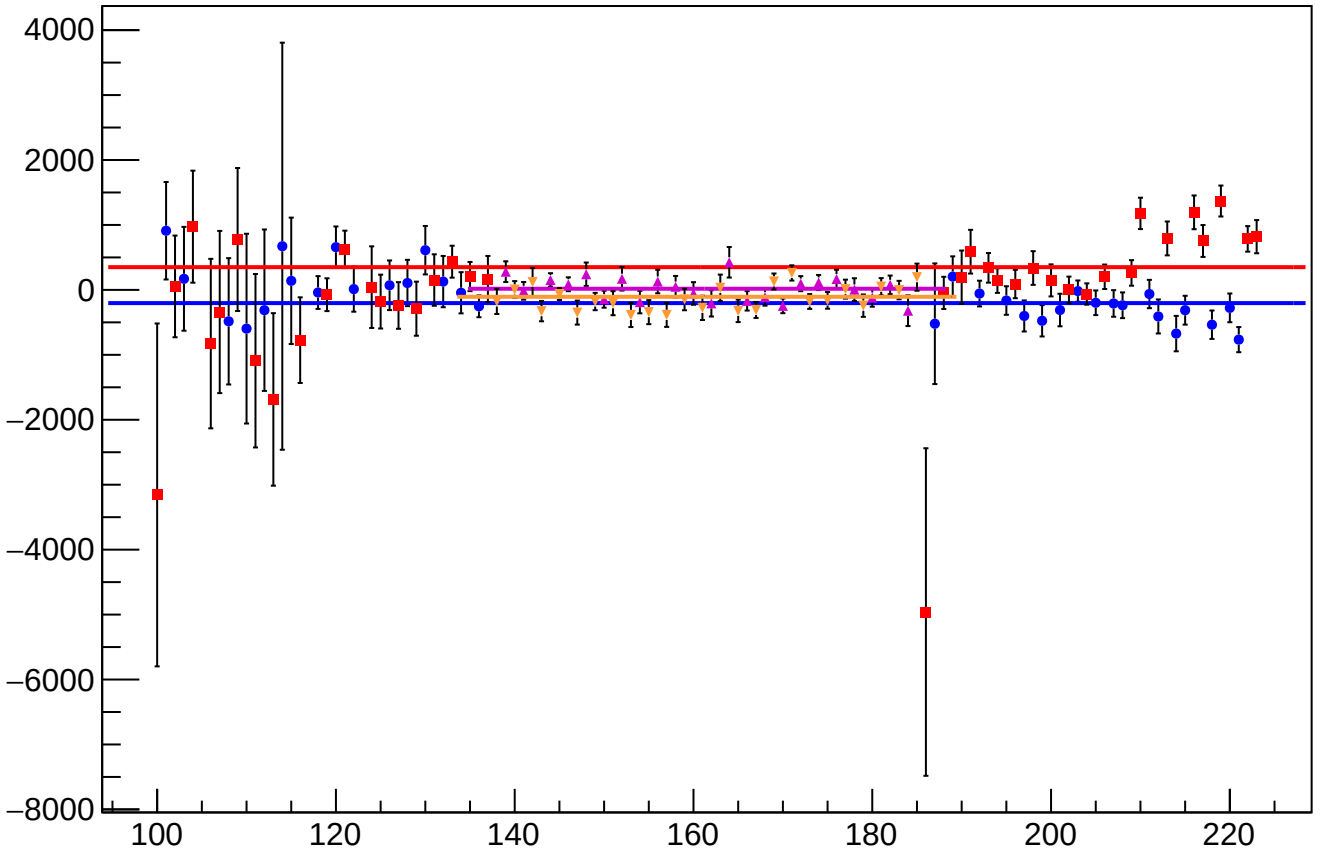
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 50.686+/-0.005 χ^2/NDF: 3970378.5/72

In: 42.968+/-0.005 χ^2/NDF:3414391.2/56

Out: 43.090+/-0.005 χ^2/NDF:4715686.2/63

All: 43.030+/-0.003 χ^2/NDF: 8130395.3/120



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

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

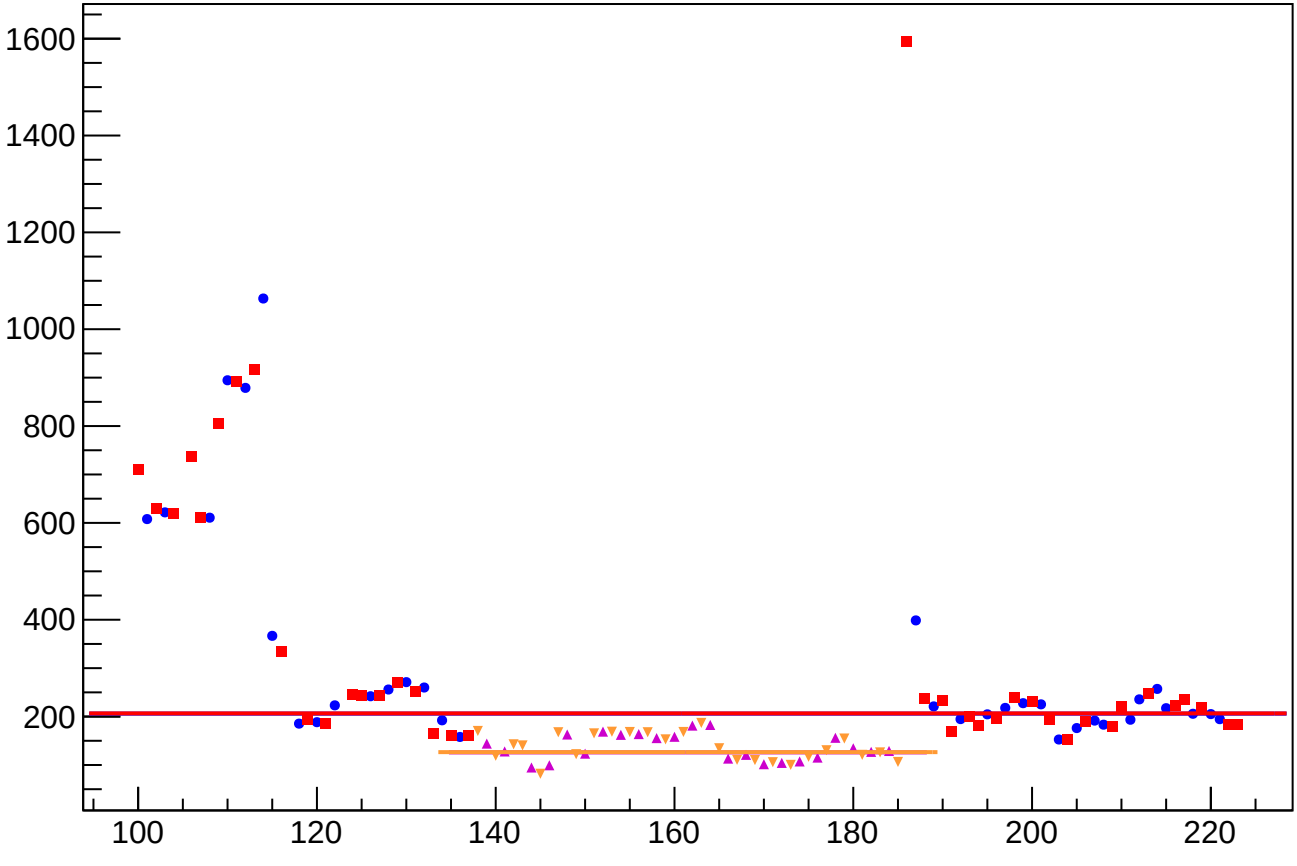
Right: 73.743+/-32.434 χ^2/NDF: 209.0/72

In: -49.179+/-25.223 χ^2/NDF:83.4/56

Out: 27.625+/-24.842 χ^2/NDF:204.9/63

All: -10.193+/-17.699 χ^2/NDF: 293.0/120

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



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

Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

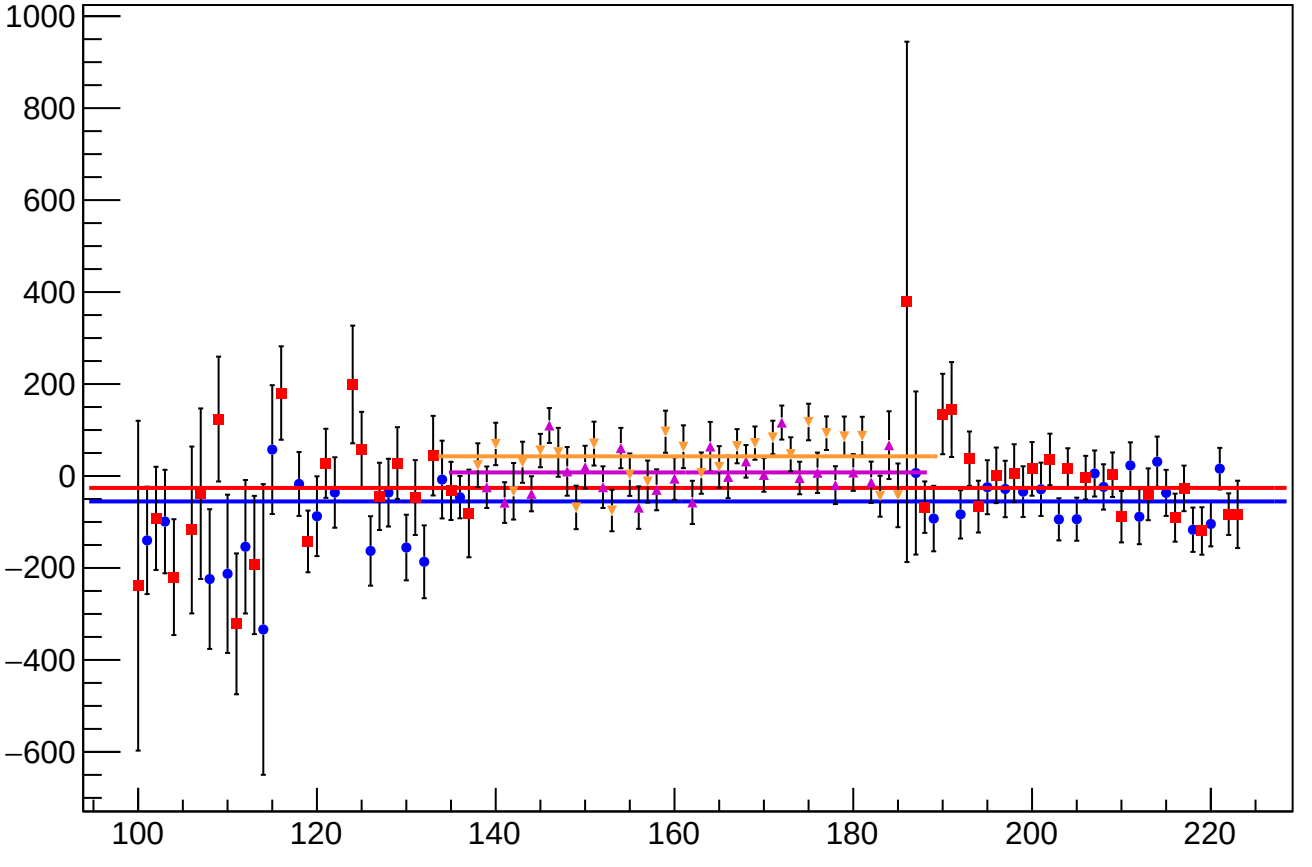
Right: 206.315+/-0.023 χ^2/NDF: 8497682.0/72

In: 150.169+/-0.018 χ^2/NDF:9240413.5/56

Out: 150.076+/-0.018 χ^2/NDF:10975572.4/63

All: 150.122+/-0.013 χ^2/NDF: 20215999.9/12

cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

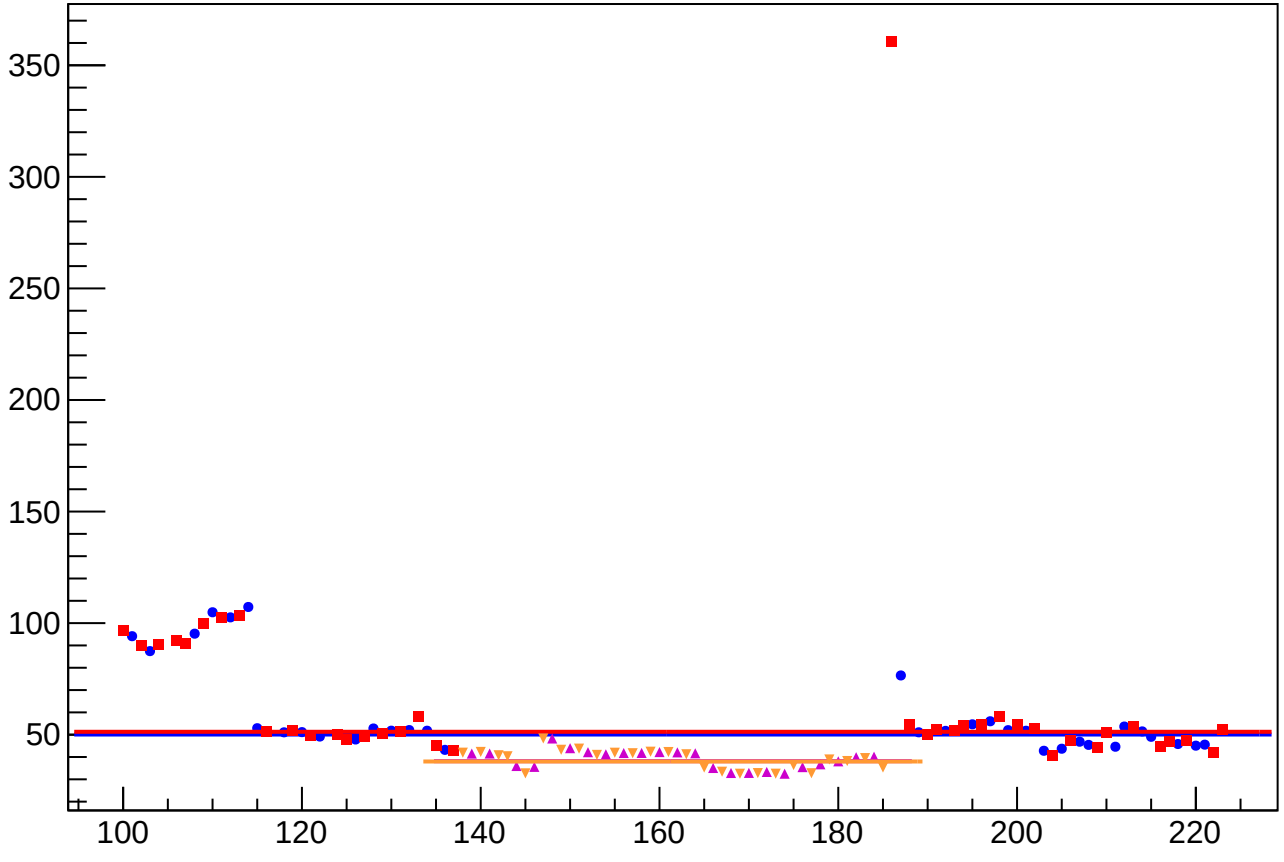
Right: -40.827+/-7.752 χ^2/NDF: 75.0/72

In: -17.751+/-6.924 χ^2/NDF:78.2/56

Out: 16.472+/-6.833 χ^2/NDF:102.5/63

All: -0.414+/-4.864 χ^2/NDF: 193.0/120

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

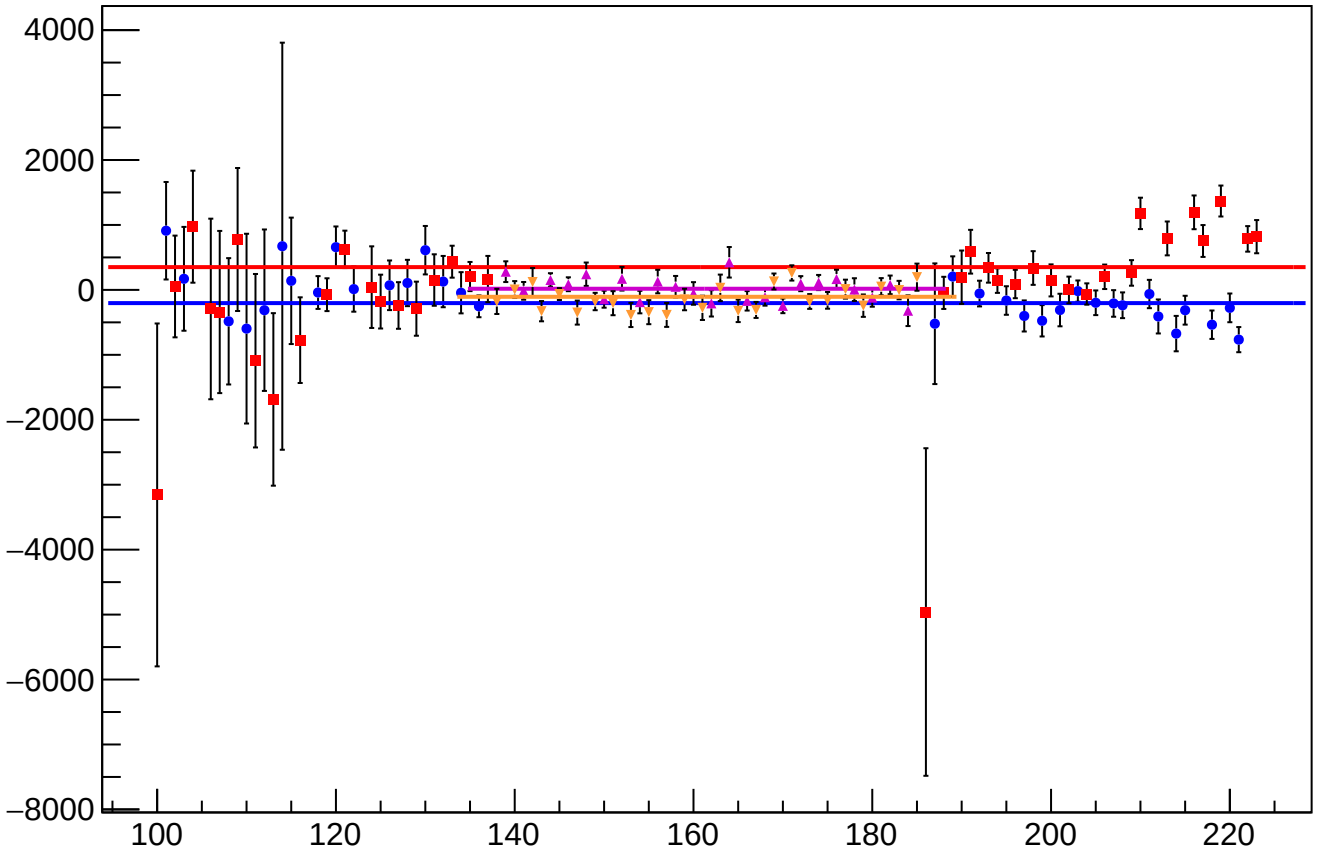
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 50.682+/-0.005 χ^2/NDF: 3961319.2/72

In: 42.968+/-0.005 χ^2/NDF:3414391.3/56

Out: 43.087+/-0.005 χ^2/NDF:4704697.7/63

All: 43.028+/-0.003 χ^2/NDF: 8119391.4/120



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

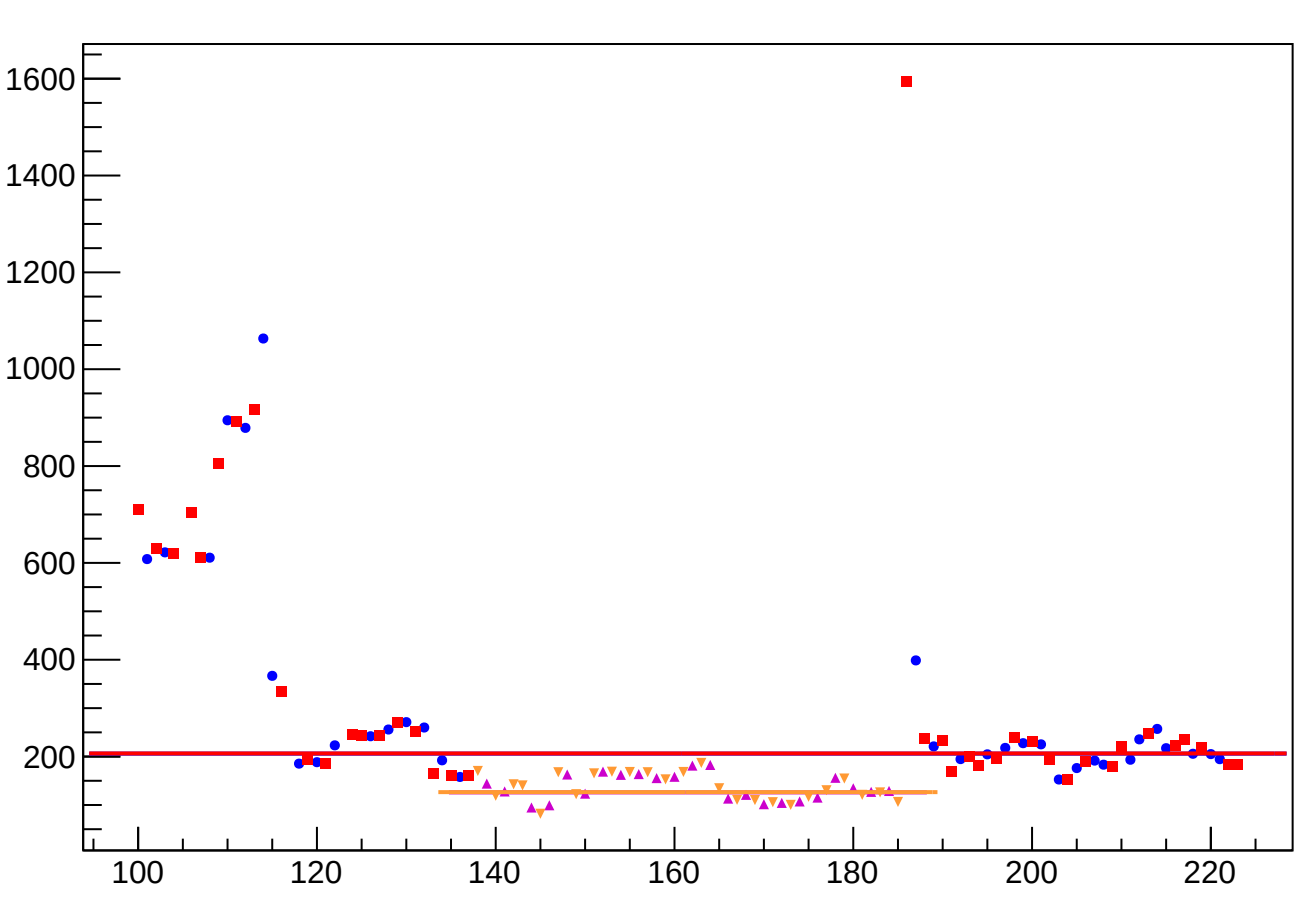
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 74.096+/-32.435 χ^2/NDF: 208.6/72

In: -49.178+/-25.223 χ^2/NDF:83.4/56

Out: 27.830+/-24.842 χ^2/NDF:204.6/63

All: -10.089+/-17.699 χ^2/NDF: 292.7/120



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

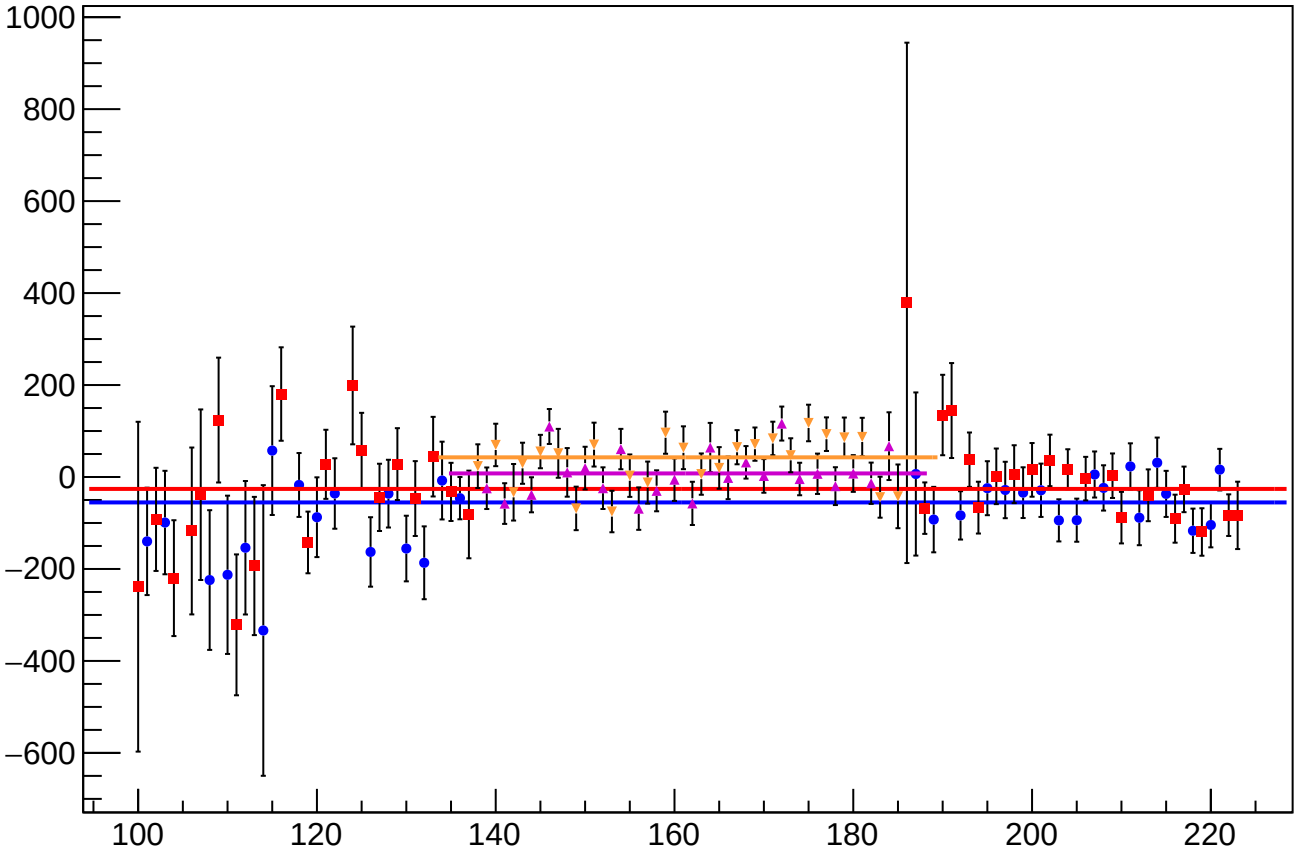
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

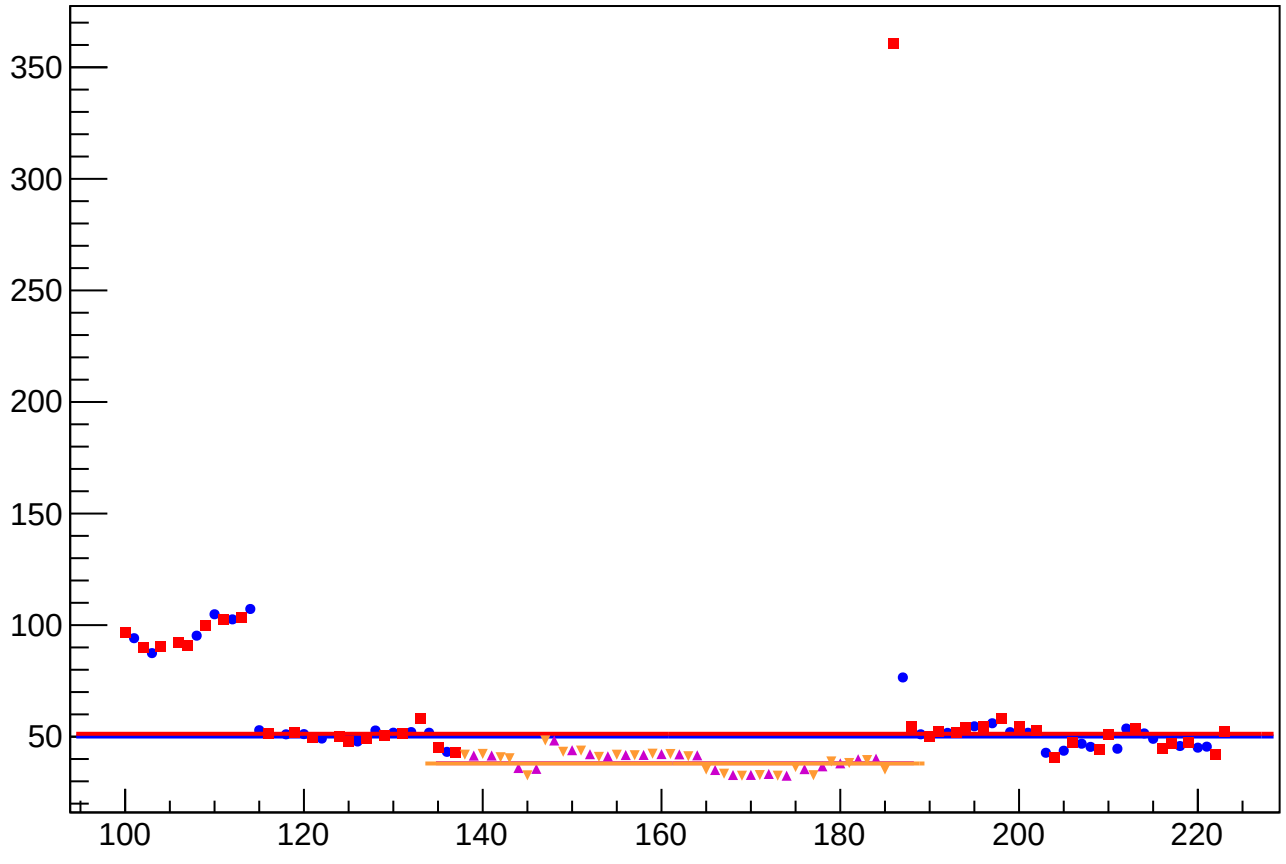
Right: 206.259+/-0.023 χ^2/NDF: 8424572.4/72

In: 150.169+/-0.018 χ^2/NDF:9240438.8/56

Out: 150.040+/-0.018 χ^2/NDF:10889909.9/63

All: 150.104+/-0.013 χ^2/NDF: 20130375.3/12


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
100
120
140
160
180
200
220
Right In: -55.301+/-10.883 χ²/NDF: 27.6/33
Left Out: 42.767+/-8.698 χ²/NDF:34.7/24
Right Out: -25.920+/-11.044 χ²/NDF: 43.8/38
Left In: 7.785+/-8.974 χ²/NDF:30.6/22
Left: 25.822+/-6.246 χ²/NDF: 73.2/47
Right: -40.827+/-7.752 χ²/NDF: 75.0/72
In: -17.751+/-6.924 χ²/NDF:78.2/56
Out: 16.472+/-6.833 χ²/NDF:102.5/63
All: -0.414+/-4.864 χ²/NDF: 193.0/120



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

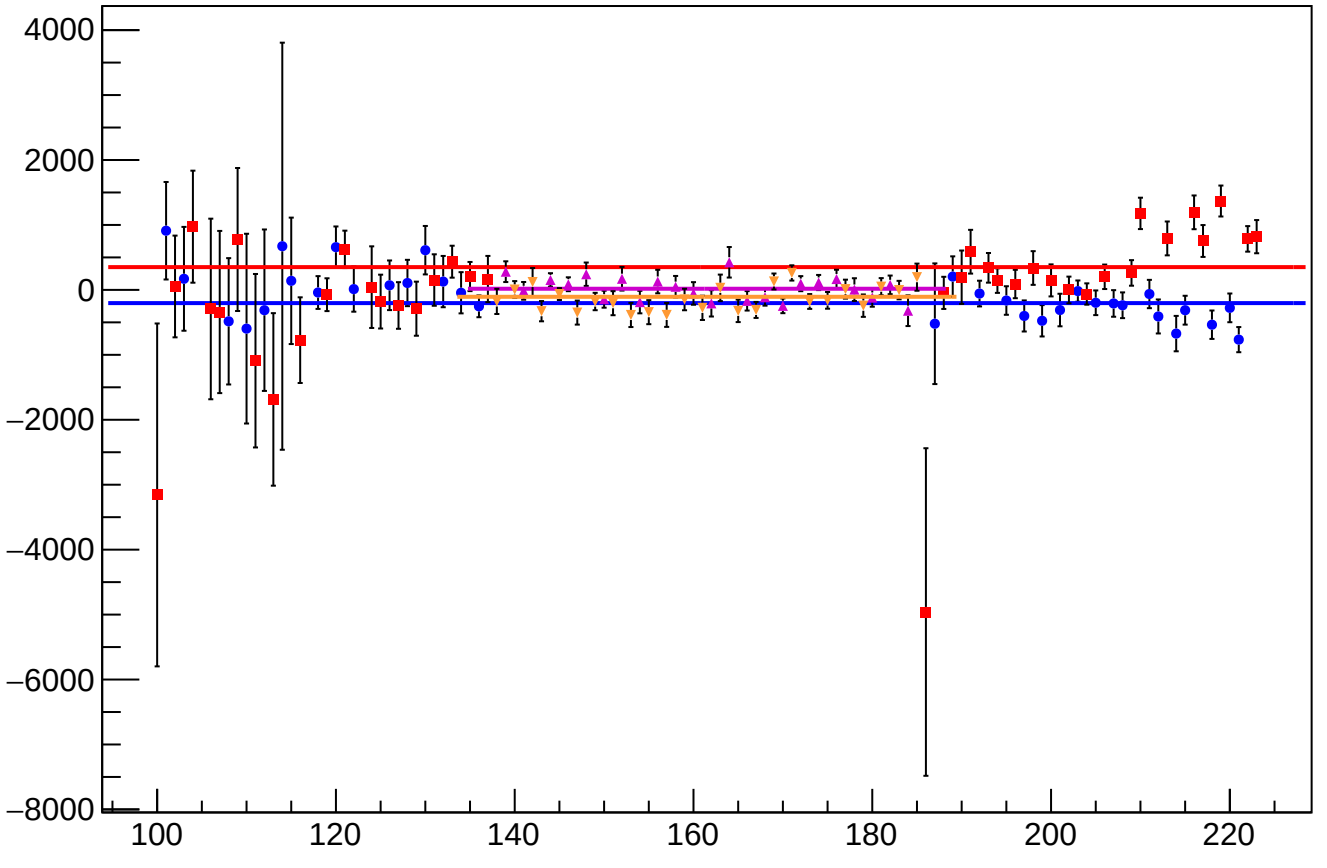
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 50.682+/-0.005 χ^2/NDF: 3961319.2/72

In: 42.968+/-0.005 χ^2/NDF:3414391.3/56

Out: 43.087+/-0.005 χ^2/NDF:4704697.7/63

All: 43.028+/-0.003 χ^2/NDF: 8119391.4/120



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

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

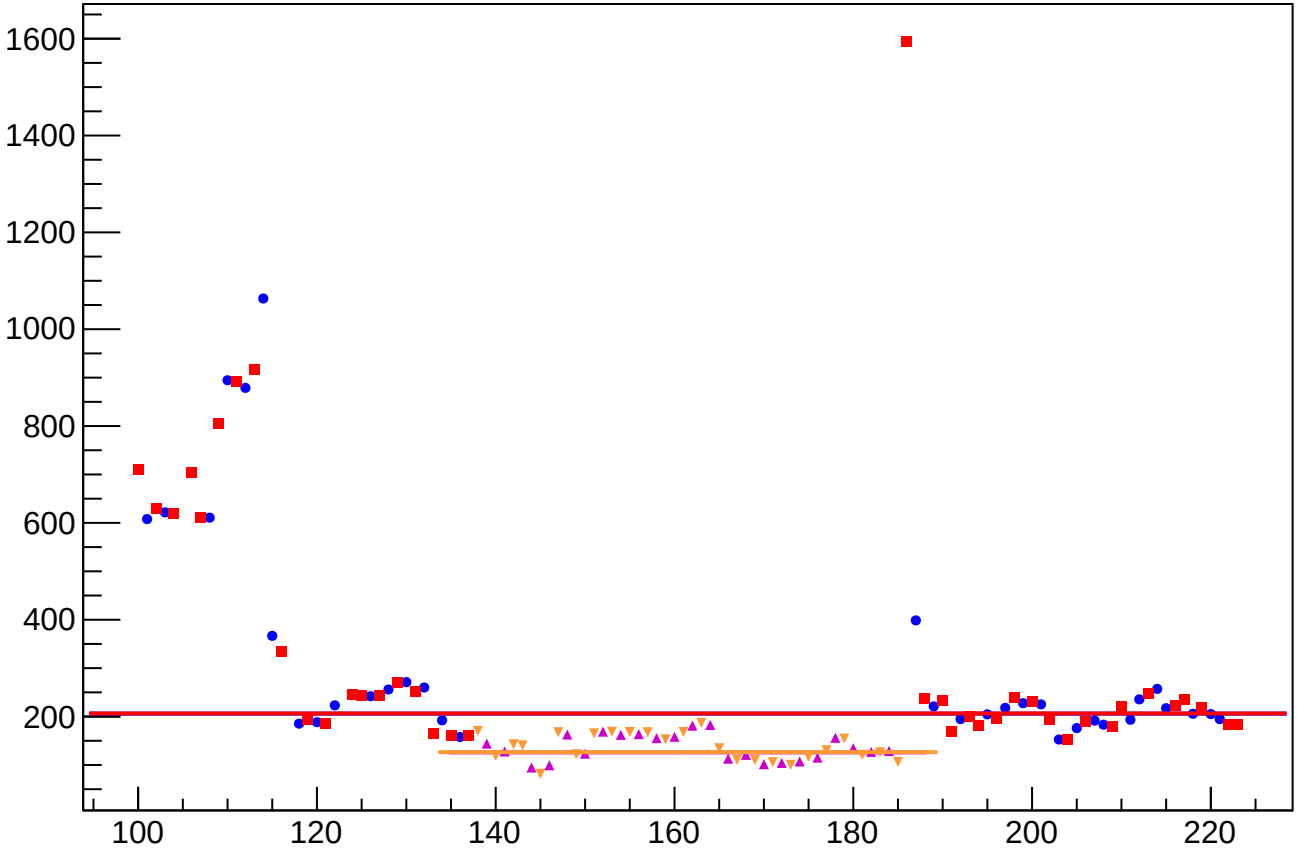
Right: 74.096+/-32.435 χ^2/NDF: 208.6/72

In: -49.178+/-25.223 χ^2/NDF:83.4/56

Out: 27.830+/-24.842 χ^2/NDF:204.6/63

All: -10.089+/-17.699 χ^2/NDF: 292.7/120

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

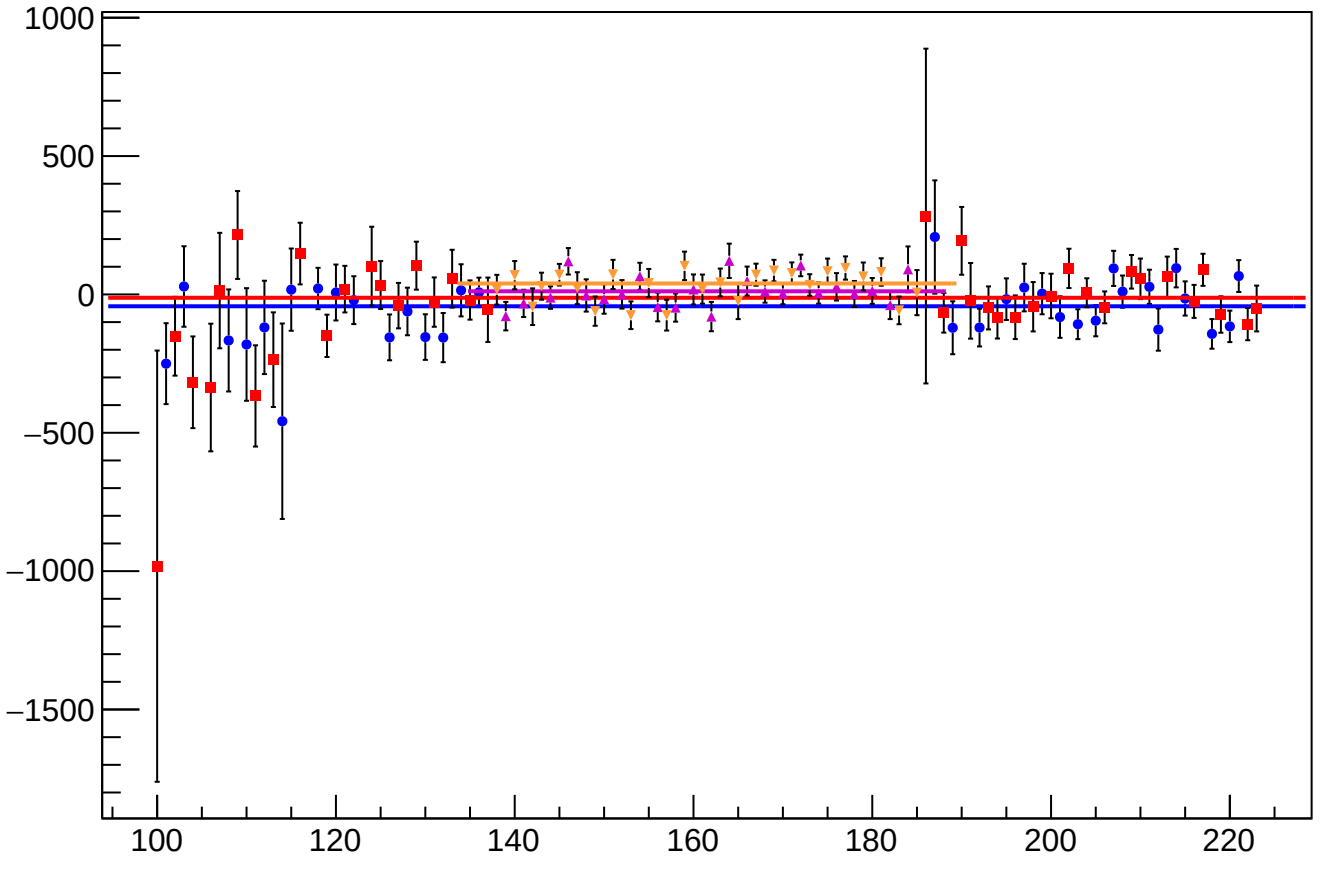
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.259+/-0.023 χ^2/NDF: 8424572.4/72

In: 150.169+/-0.018 χ^2/NDF:9240438.8/56

Out: 150.040+/-0.018 χ^2/NDF:10889909.9/63

All: 150.104+/-0.013 χ^2/NDF: 20130375.3/12



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

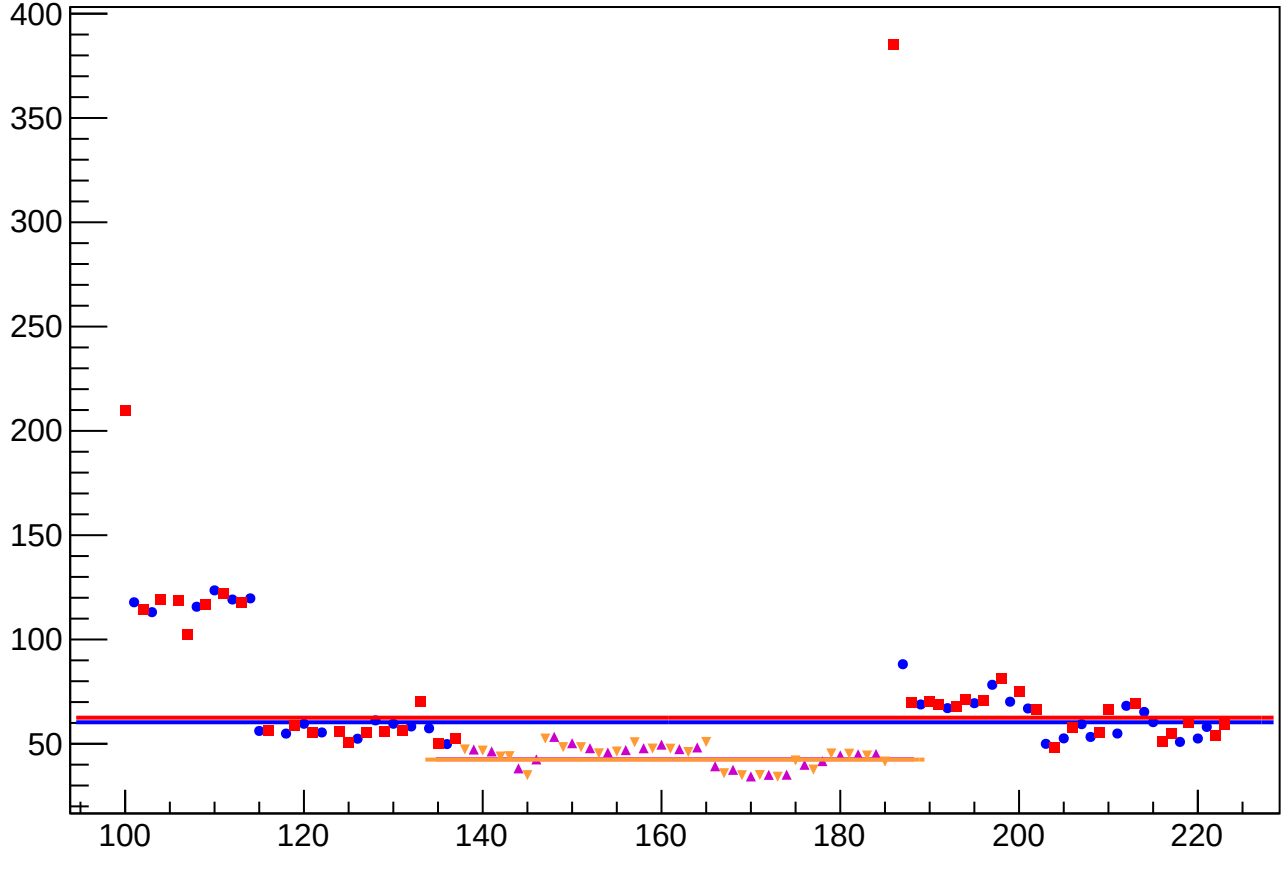
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -27.890+/-9.453 χ^2/NDF: 87.0/72

In: -8.645+/-8.008 χ^2/NDF:79.0/56

Out: 21.951+/-7.912 χ^2/NDF:83.1/63

All: 6.837+/-5.628 χ^2/NDF: 169.5/120



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

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

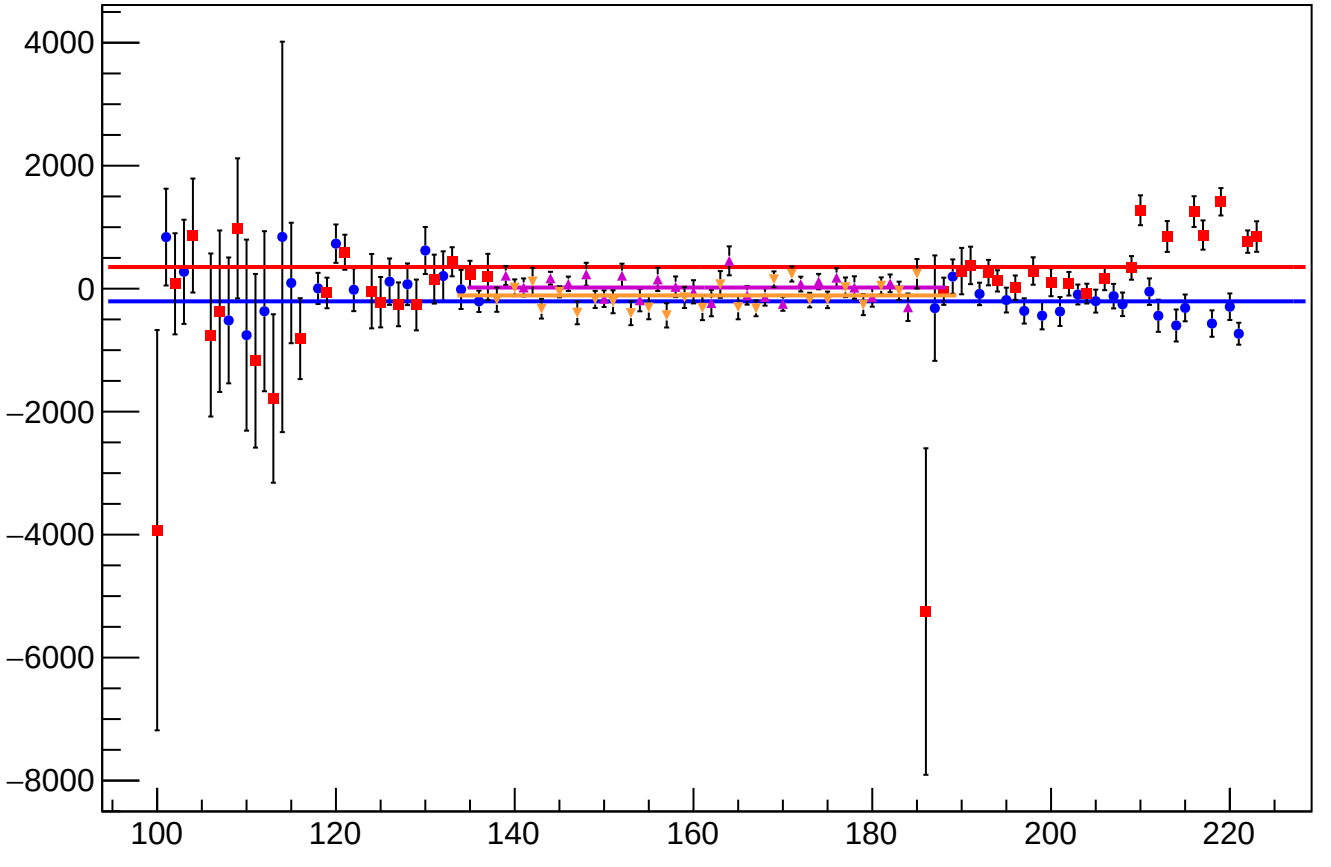
Right: 61.390+/-0.007 χ^2/NDF: 4694733.2/72

In: 49.115+/-0.006 χ^2/NDF:4766271.9/56

Out: 49.275+/-0.006 χ^2/NDF:6372185.8/63

All: 49.196+/-0.004 χ^2/NDF: 11138862.8/120

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

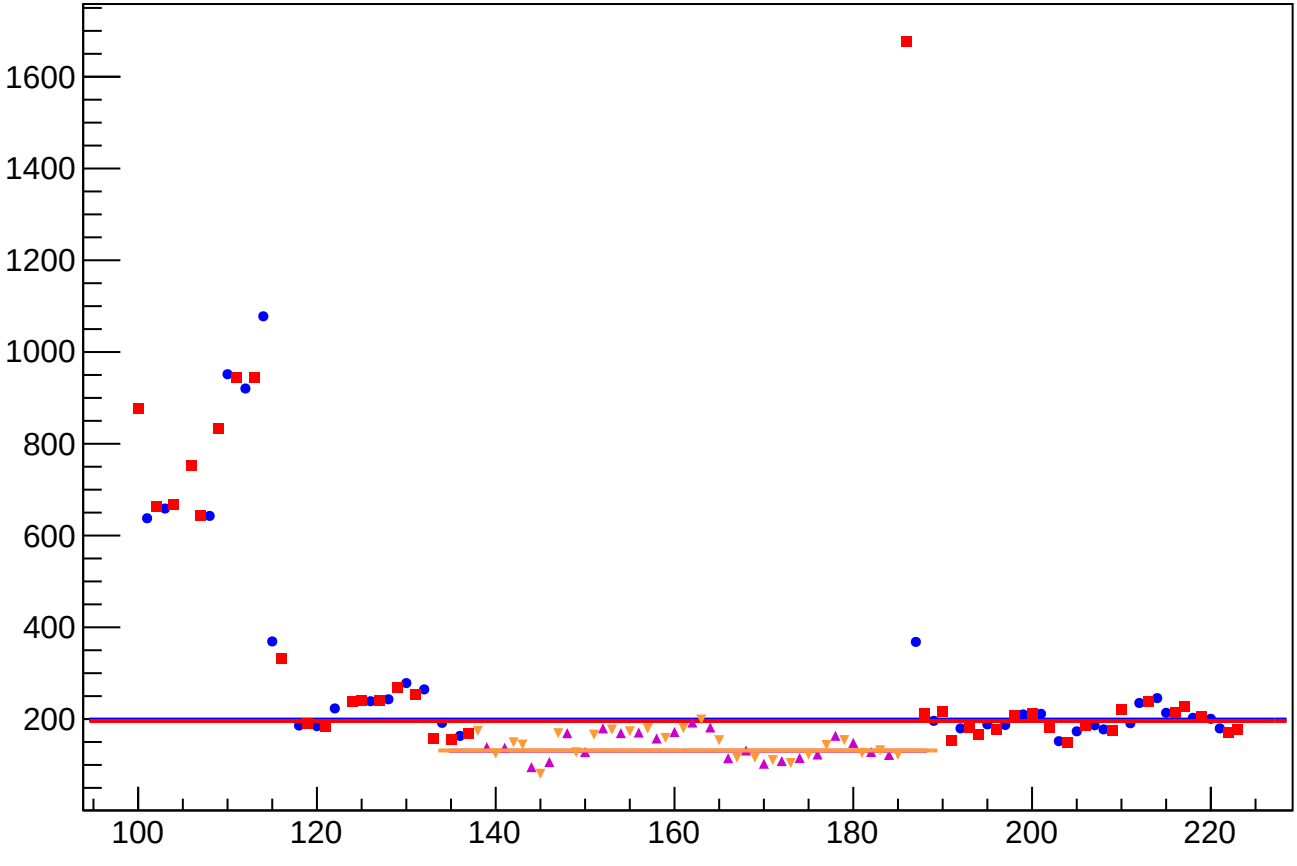
Right: 78.180+/-31.075 χ^2/NDF: 235.7/72

In: -56.485+/-25.669 χ^2/NDF:85.3/56

Out: 43.917+/-25.125 χ^2/NDF:225.5/63

All: -5.209+/-17.955 χ^2/NDF: 318.6/120

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



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

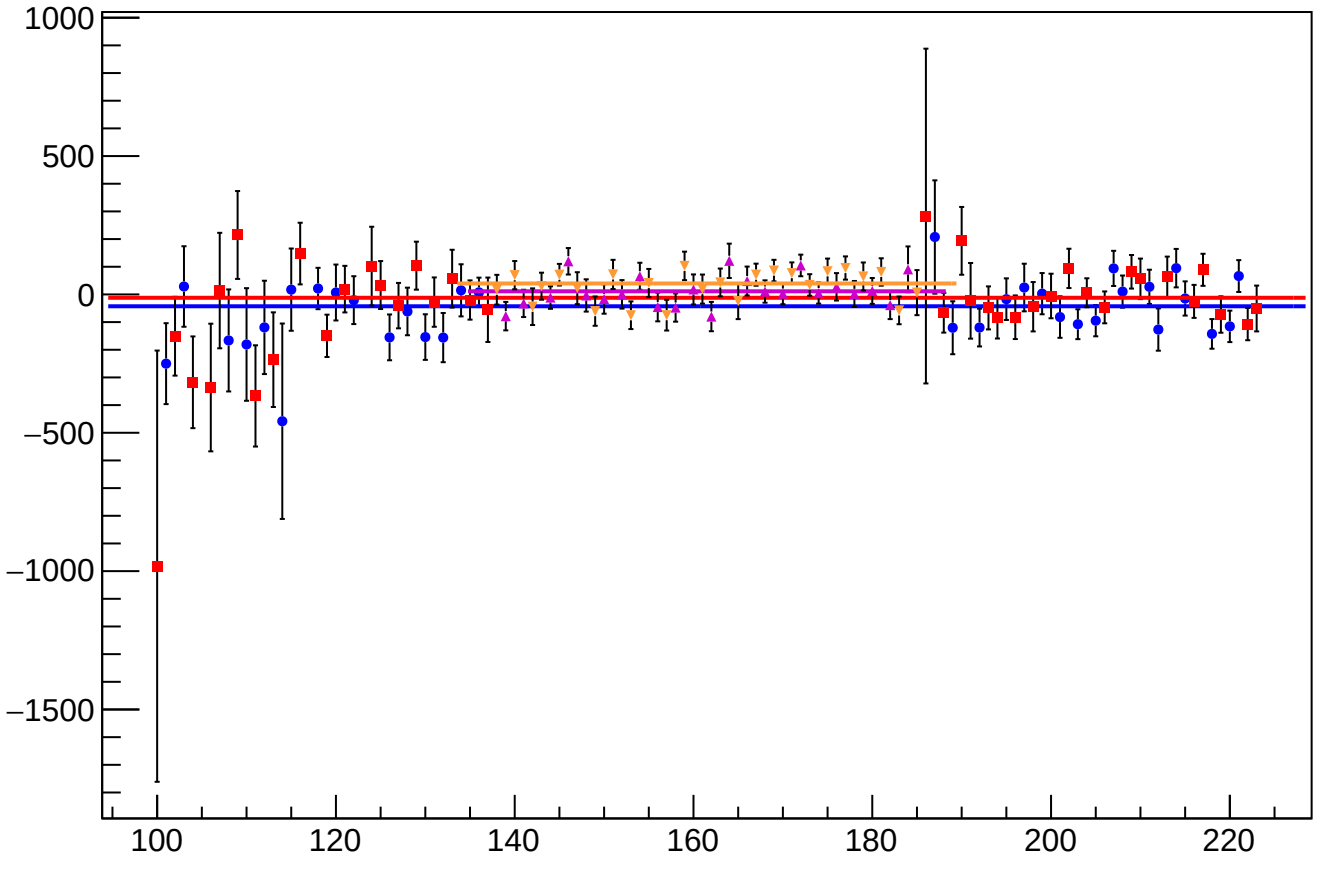
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 197.306+/-0.022 χ^2/NDF: 8861795.6/72

In: 153.775+/-0.018 χ^2/NDF:8260176.4/56

Out: 152.915+/-0.018 χ^2/NDF:9982322.3/63

All: 153.336+/-0.013 χ^2/NDF: 18243645.8/12



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

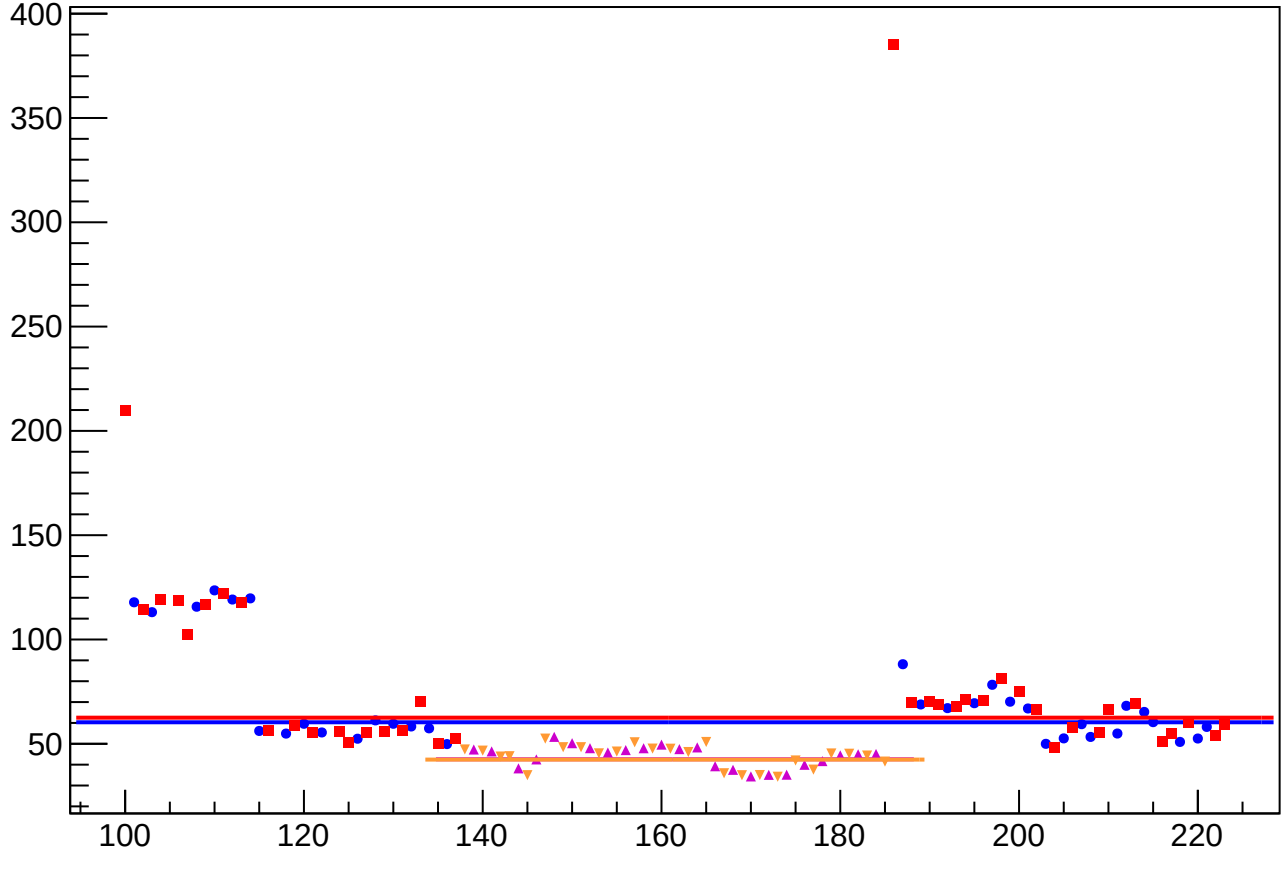
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -27.890+/-9.453 χ^2/NDF: 87.0/72

In: -8.645+/-8.008 χ^2/NDF:79.0/56

Out: 21.951+/-7.912 χ^2/NDF:83.1/63

All: 6.837+/-5.628 χ^2/NDF: 169.5/120



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

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

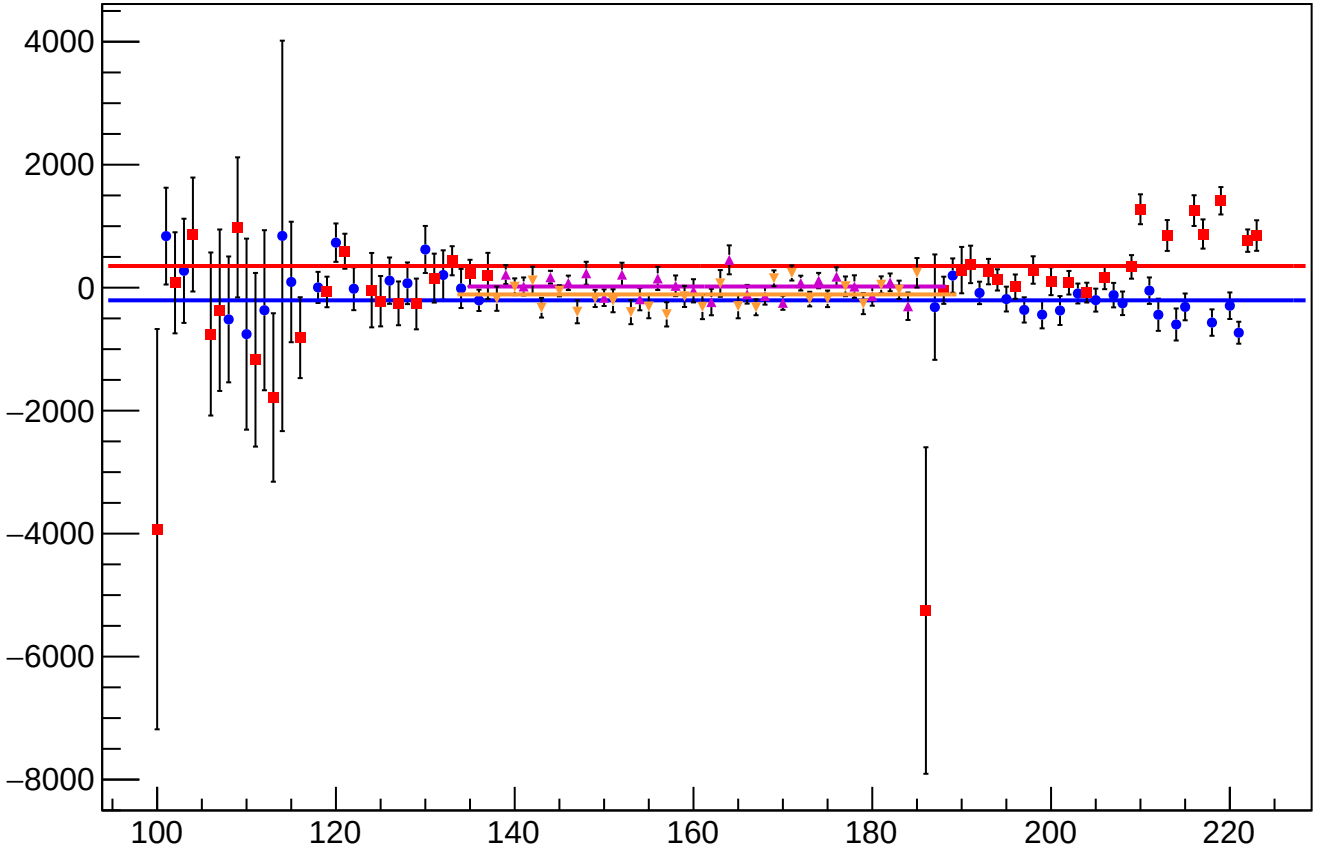
Right: 61.390+/-0.007 χ^2/NDF: 4694727.6/72

In: 49.115+/-0.006 χ^2/NDF:4766243.5/56

Out: 49.276+/-0.006 χ^2/NDF:6372228.7/63

All: 49.196+/-0.004 χ^2/NDF: 11138877.3/120

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

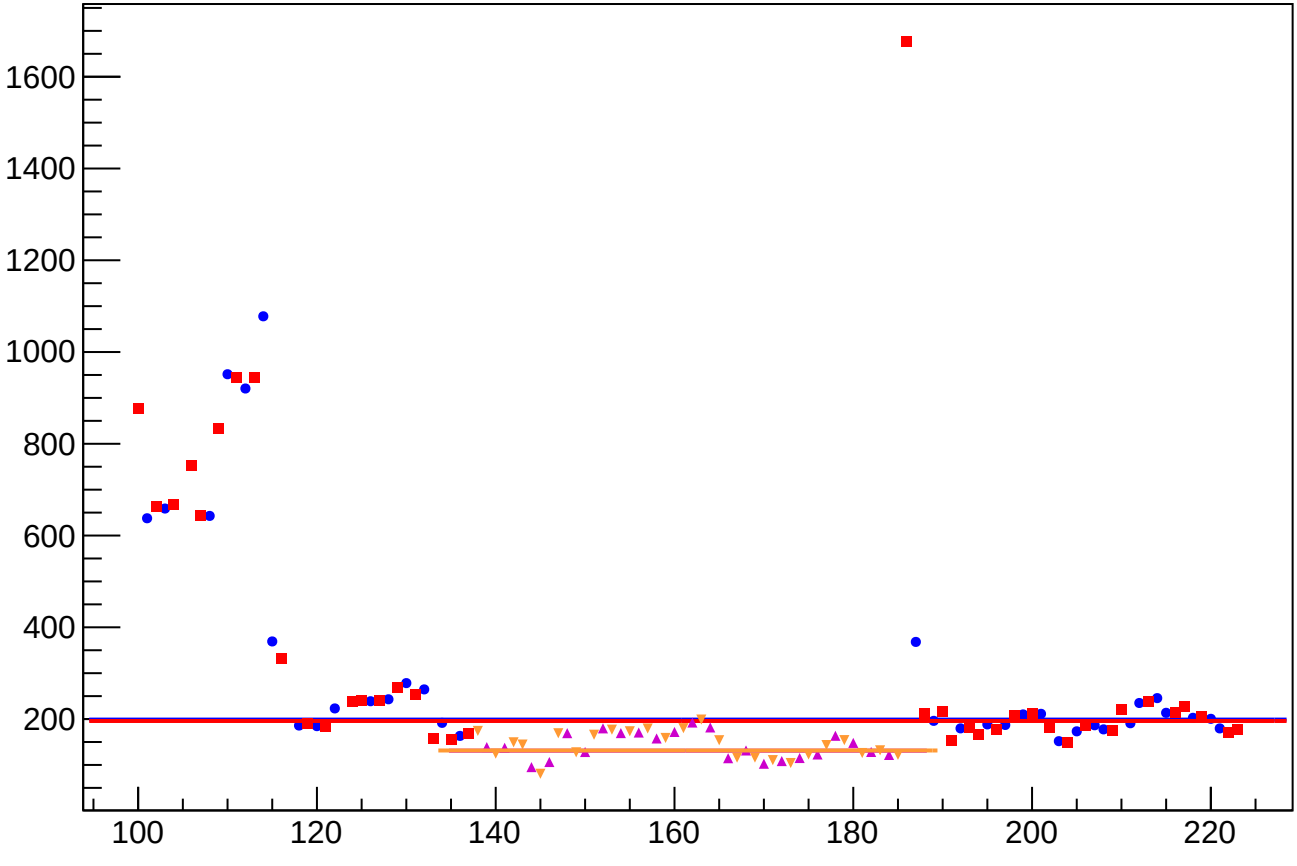
Right: 78.179+/-31.075 χ^2/NDF: 235.7/72

In: -56.486+/-25.669 χ^2/NDF:85.3/56

Out: 43.918+/-25.125 χ^2/NDF:225.5/63

All: -5.209+/-17.955 χ^2/NDF: 318.6/120

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

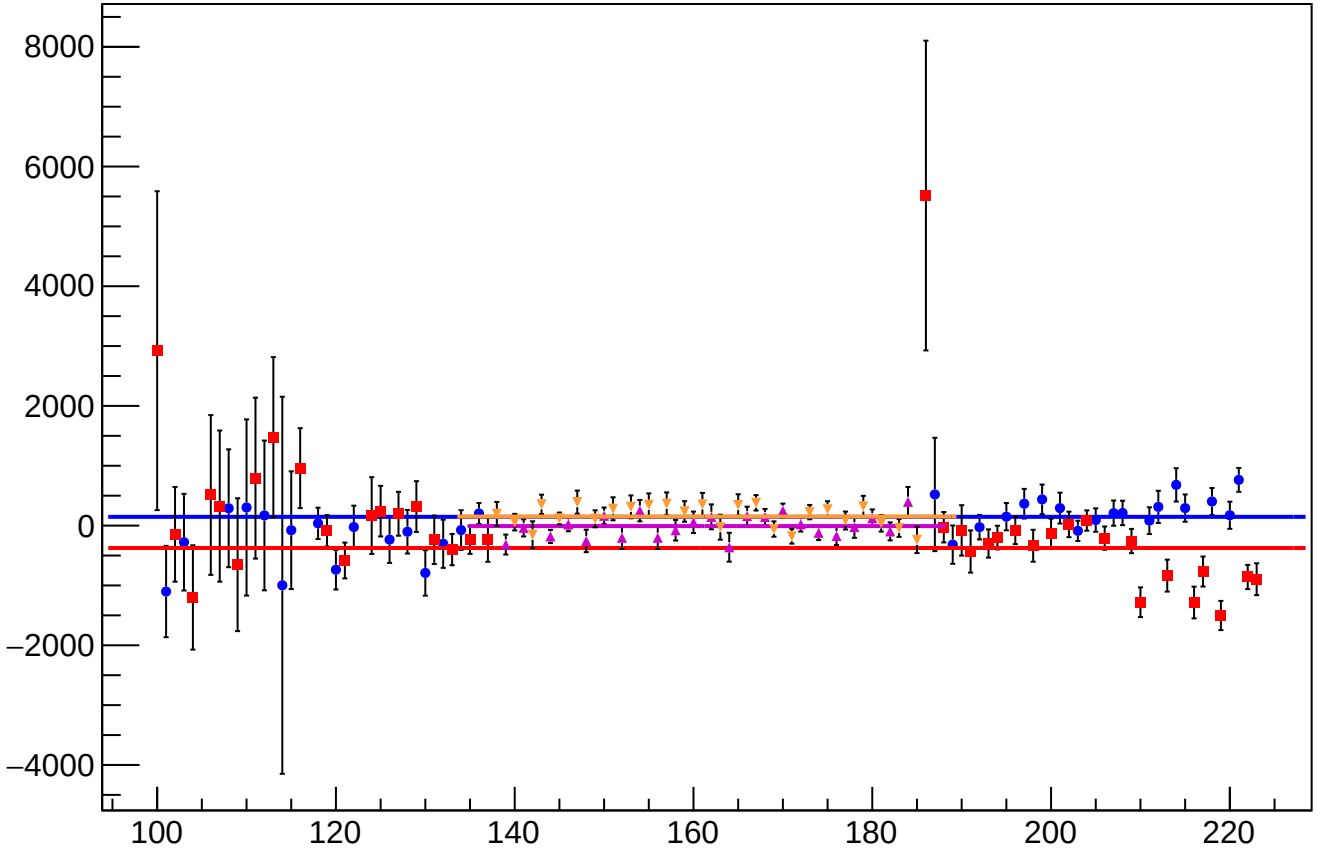
Right: 197.305+/-0.022 χ^2/NDF: 8861804.7/72

In: 153.775+/-0.018 χ^2/NDF:8260129.4/56

Out: 152.915+/-0.018 χ^2/NDF:9982260.5/63

All: 153.336+/-0.013 χ^2/NDF: 18243537.0/12

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

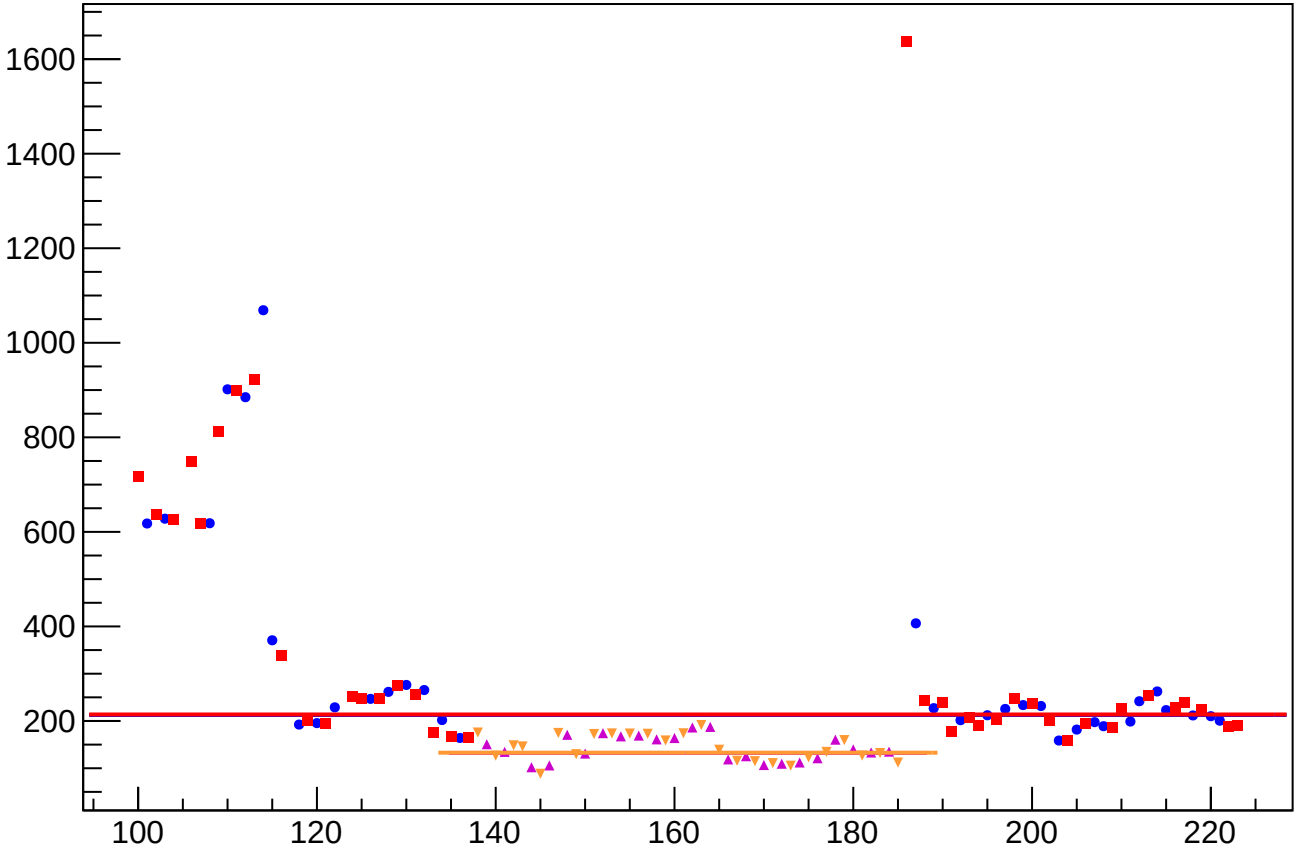
Right: -113.905+/-33.459 χ^2/NDF: 208.1/72

In: 39.688+/-26.292 χ^2/NDF:79.9/56

Out: -6.286+/-25.902 χ^2/NDF:223.9/63

All: 16.357+/-18.452 χ^2/NDF: 305.3/120

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

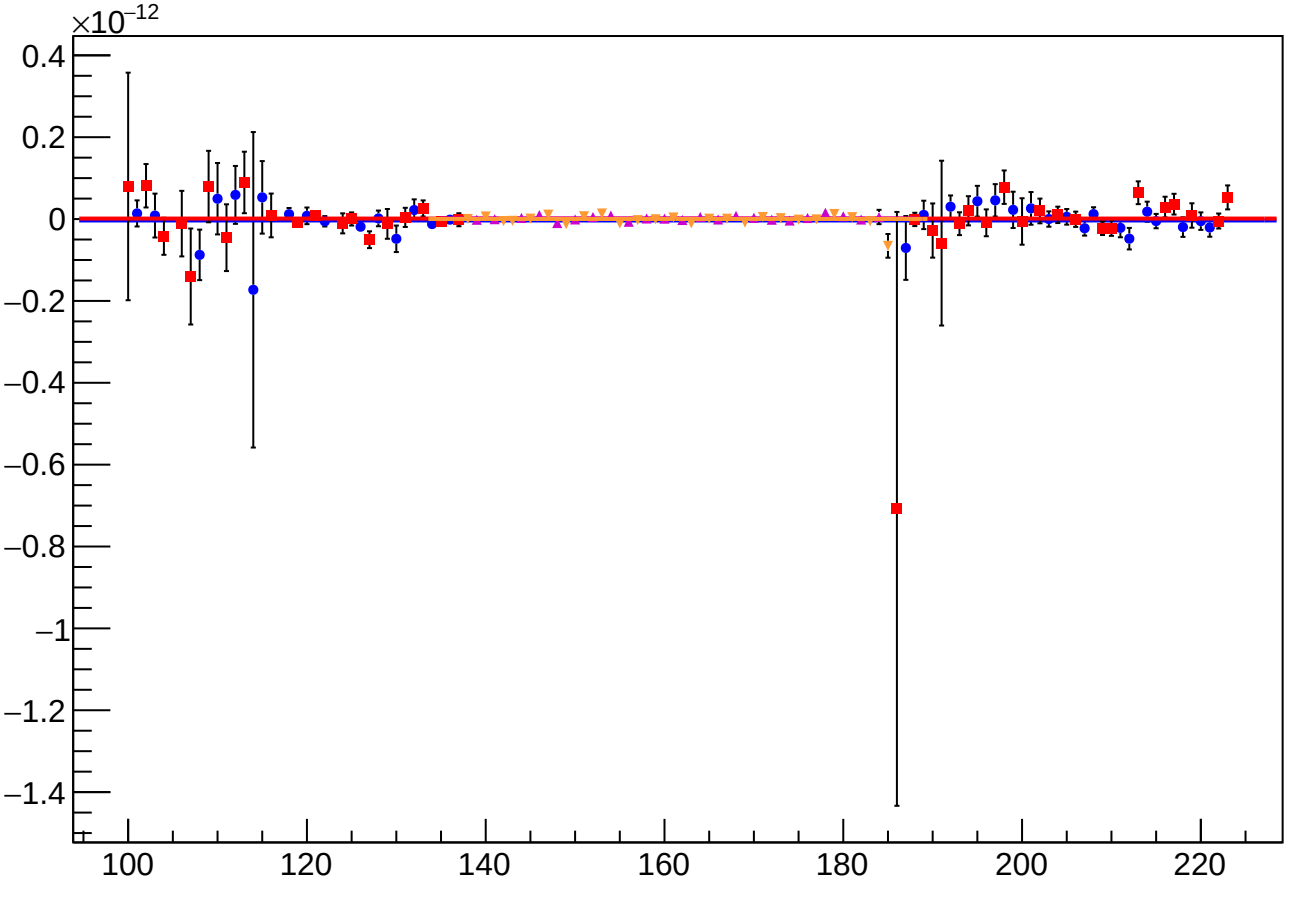
Right: 213.200+/-0.024 χ^2/NDF: 8263572.6/72

In: 157.148+/-0.019 χ^2/NDF:8752078.1/56

Out: 157.097+/-0.018 χ^2/NDF:10455231.0/63

All: 157.122+/-0.013 χ^2/NDF: 19207312.9/12

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

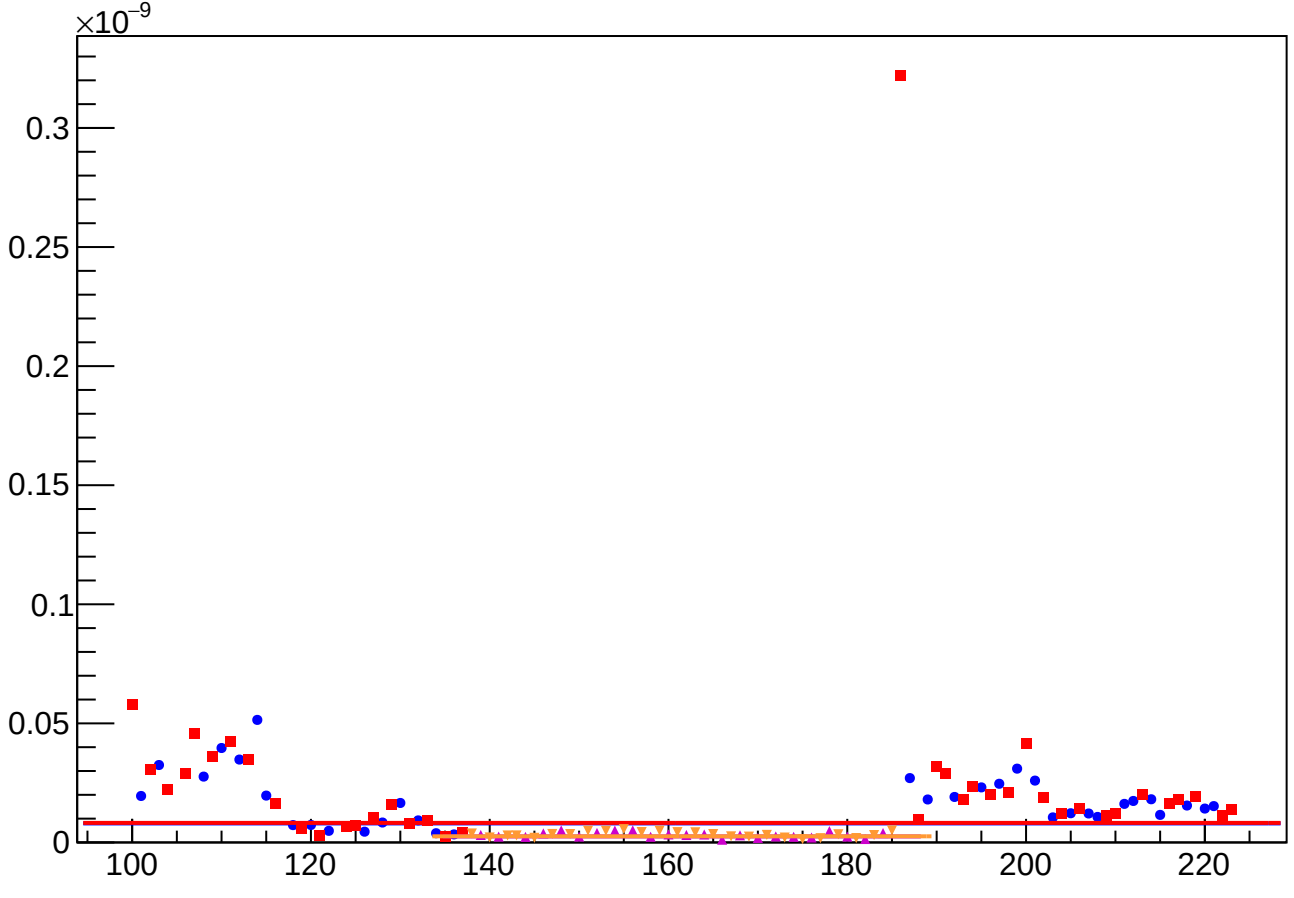
Right: -0.000+/-0.000 χ^2/NDF: 65.9/72

In: 0.000+/-0.000 χ^2/NDF:42.4/56

Out: 0.000+/-0.000 χ^2/NDF:71.7/63

All: 0.000+/-0.000 χ^2/NDF: 114.2/120

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

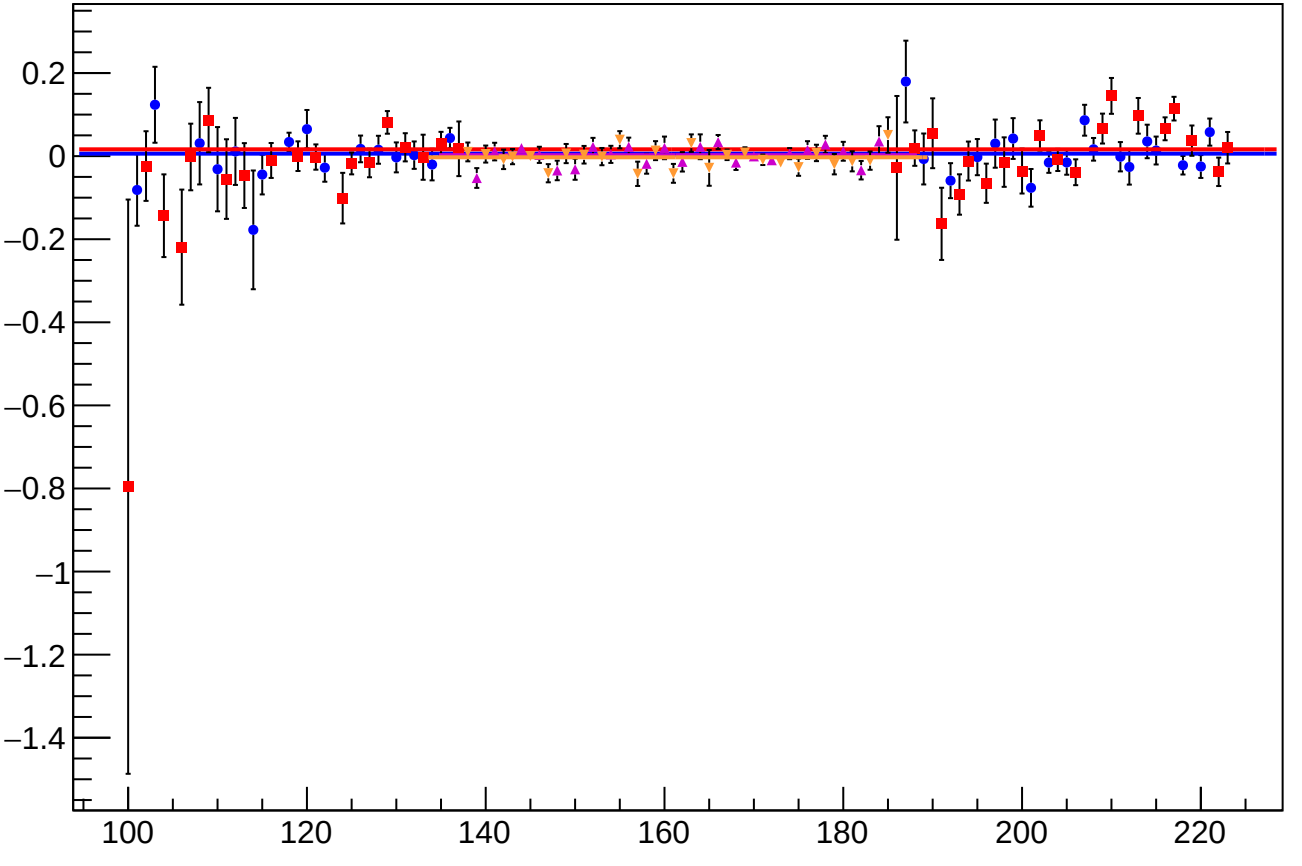
Right: 0.000+/-0.000 χ^2/NDF: 16789862.2/72

In: 0.000+/-0.000 χ^2/NDF:15022896.1/56

Out: 0.000+/-0.000 χ^2/NDF:16559741.5/63

All: 0.000+/-0.000 χ^2/NDF: 31582913.7/120

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

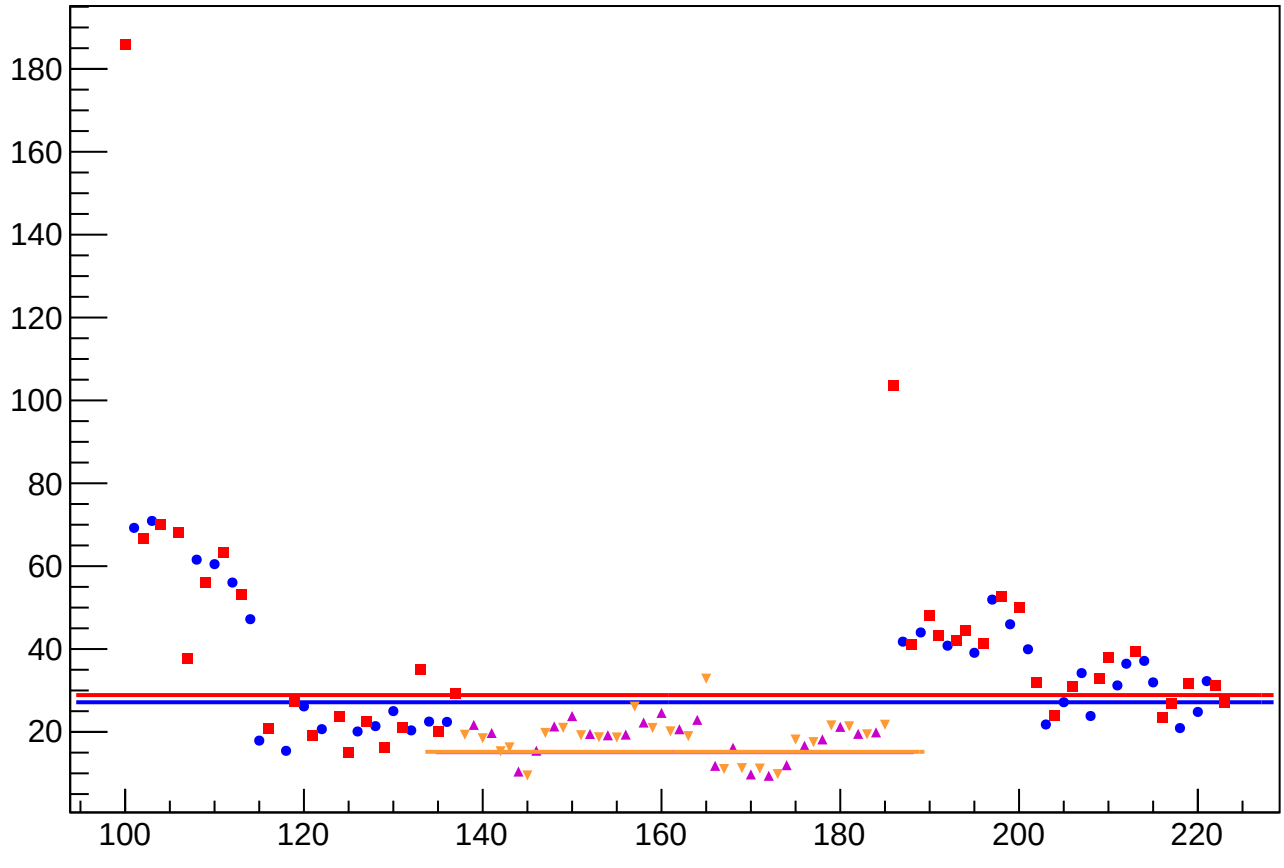
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.011+/-0.005 χ^2/NDF: 110.1/72

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:102.7/63

All: 0.003+/-0.002 χ^2/NDF: 165.1/120



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

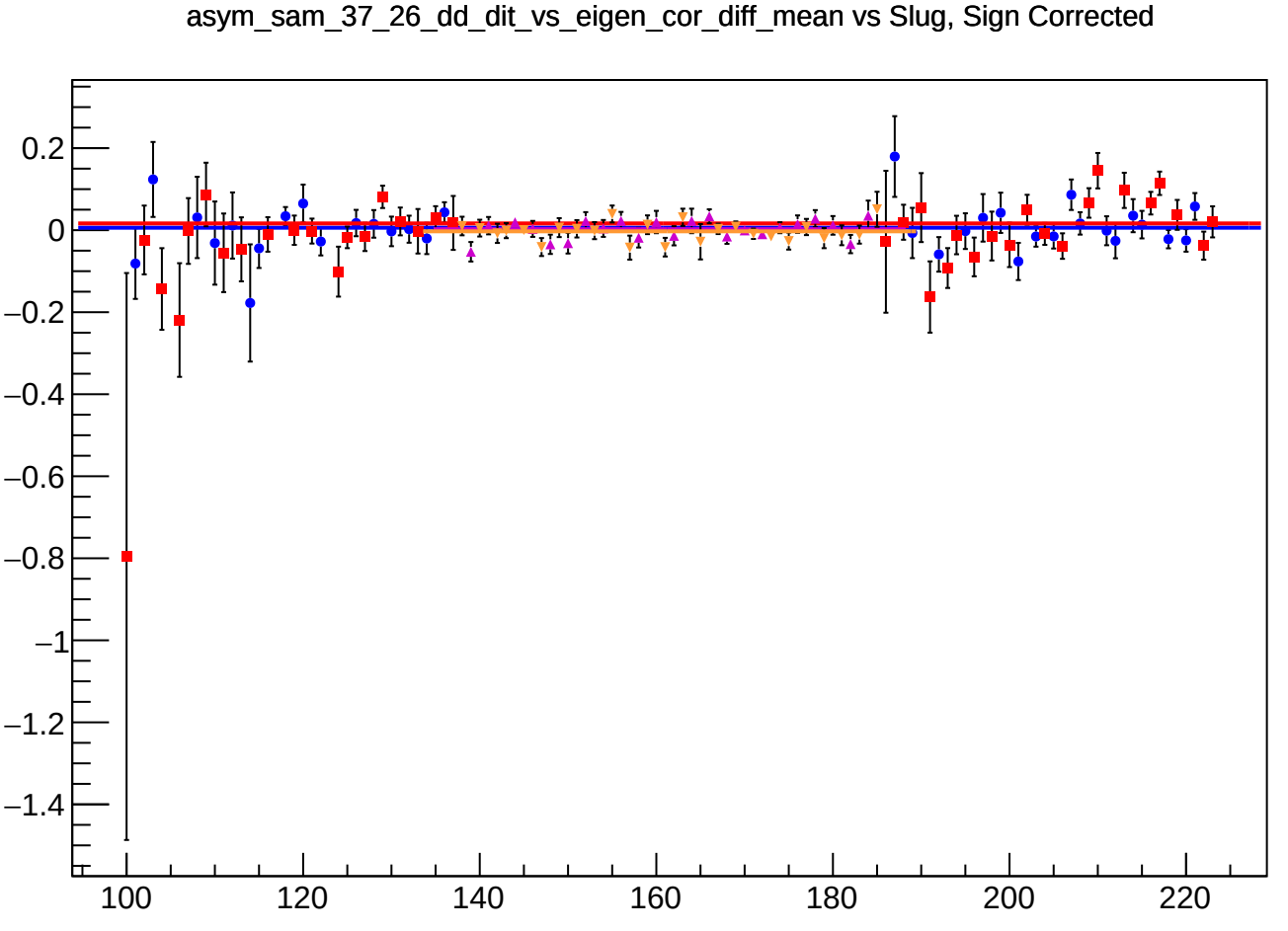
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.979+/-0.003 χ^2/NDF: 10552924.0/72

In: 18.335+/-0.002 χ^2/NDF:13511196.4/56

Out: 18.439+/-0.002 χ^2/NDF:15567355.2/63

All: 18.388+/-0.002 χ^2/NDF: 29079569.8/120



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

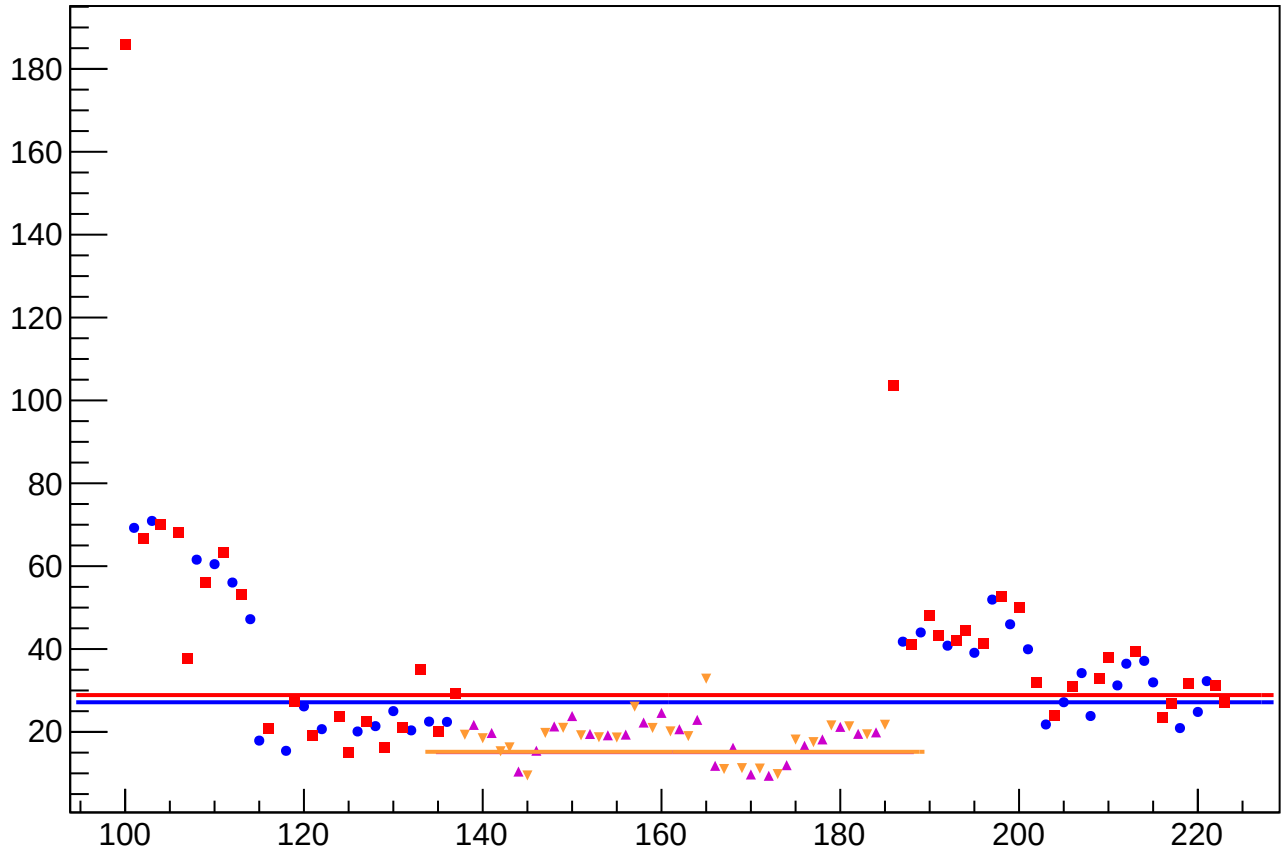
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.011+/-0.005 χ^2/NDF: 110.1/72

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:102.7/63

All: 0.003+/-0.002 χ^2/NDF: 165.1/120



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

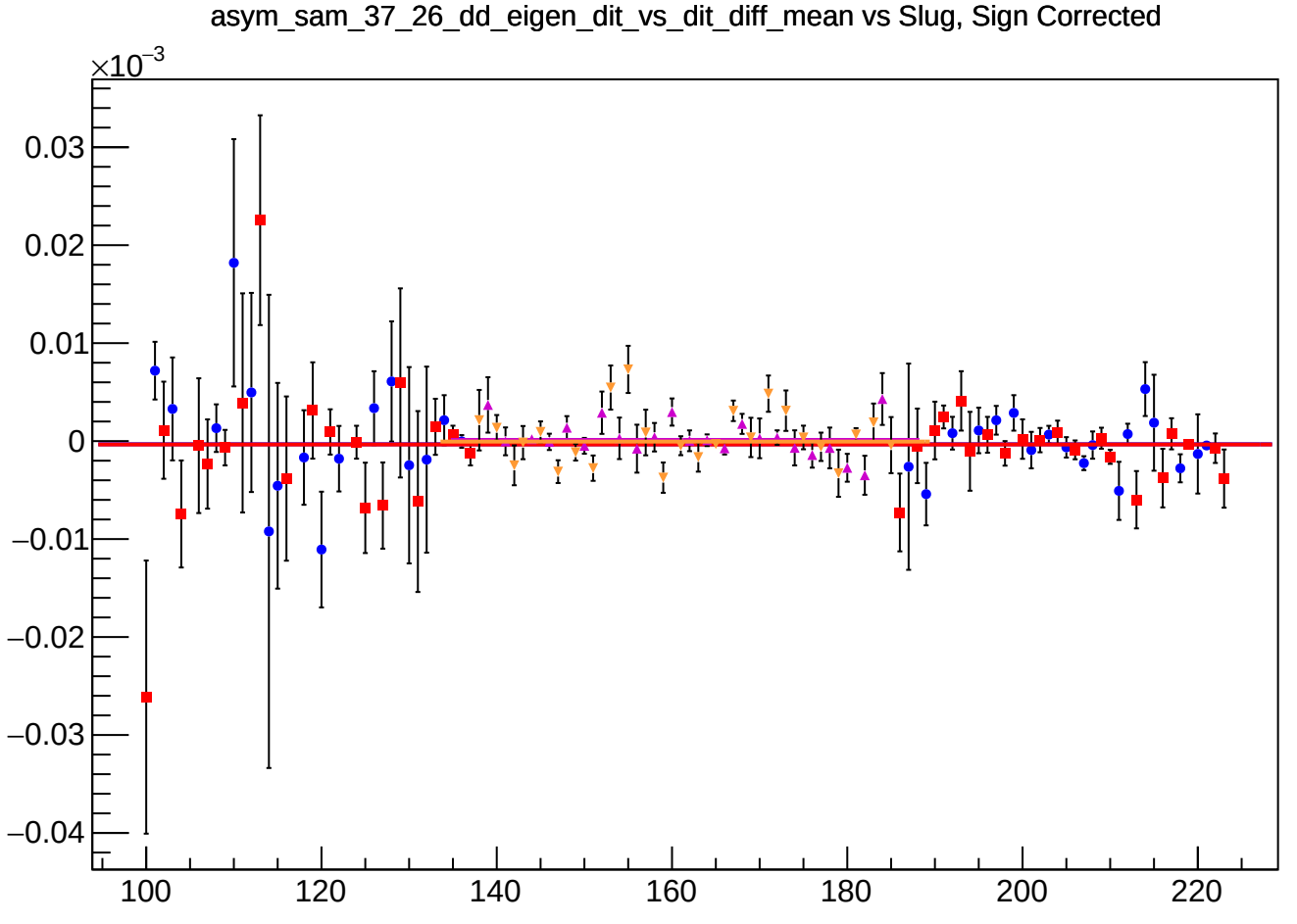
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.979+/-0.003 χ^2/NDF: 10552924.0/72

In: 18.335+/-0.002 χ^2/NDF:13511196.4/56

Out: 18.439+/-0.002 χ^2/NDF:15567355.2/63

All: 18.388+/-0.002 χ^2/NDF: 29079569.8/120



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

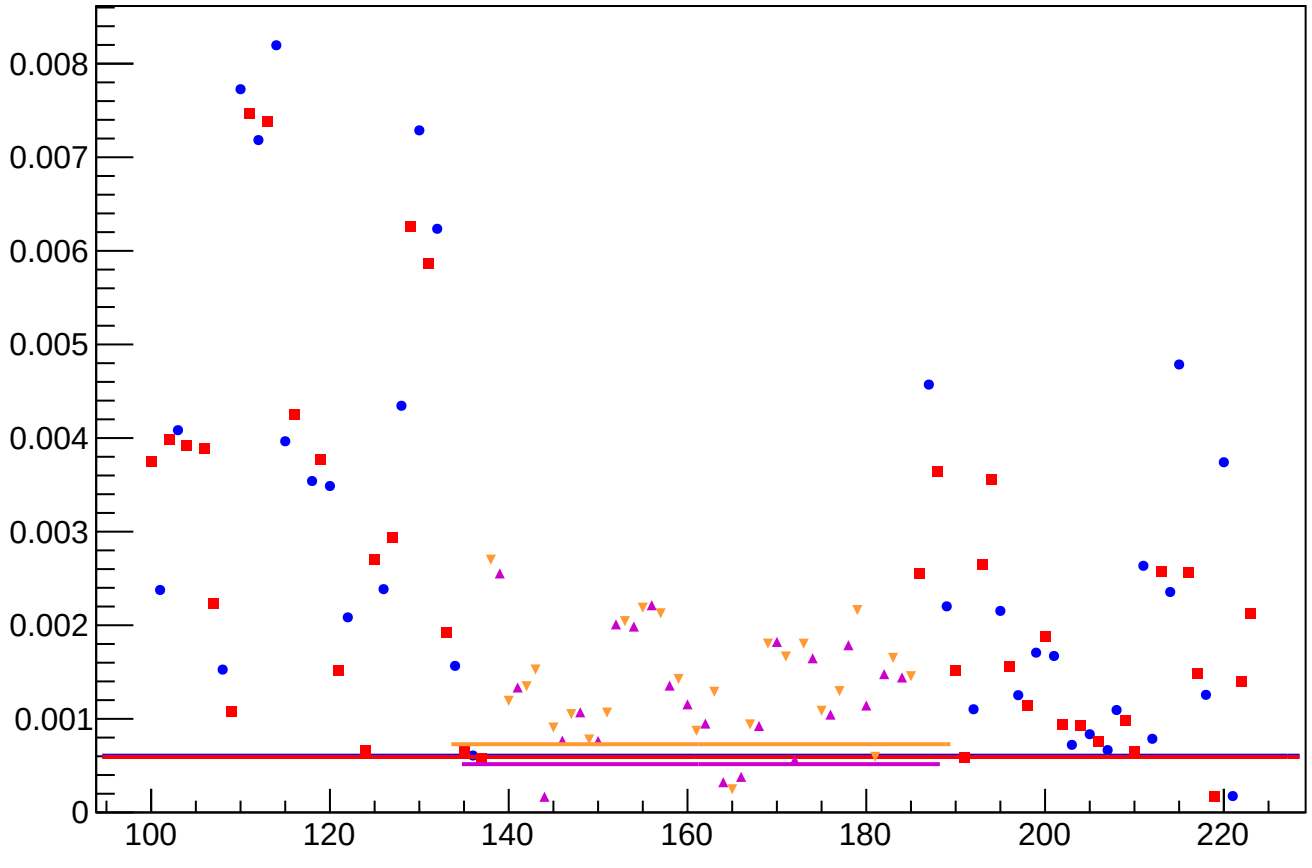
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 88.2/72

In: -0.000+/-0.000 χ^2/NDF:74.3/56

Out: -0.000+/-0.000 χ^2/NDF:105.9/63

All: -0.000+/-0.000 χ^2/NDF: 180.7/120



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

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

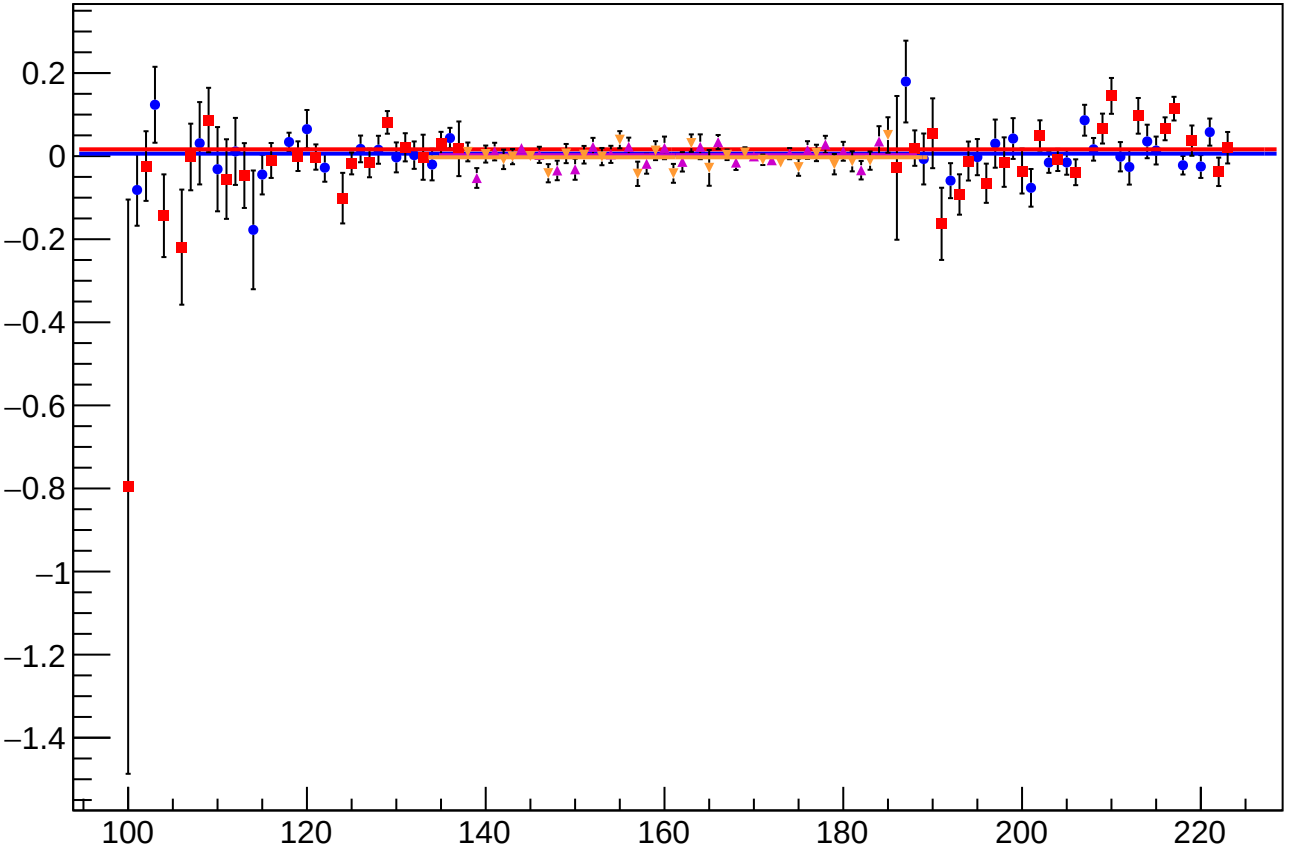
Right: 0.001+/-0.000 χ^2/NDF: 45124768.1/72

In: 0.001+/-0.000 χ^2/NDF:36984536.1/56

Out: 0.001+/-0.000 χ^2/NDF:36959790.5/63

All: 0.001+/-0.000 χ^2/NDF: 74501229.0/120

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

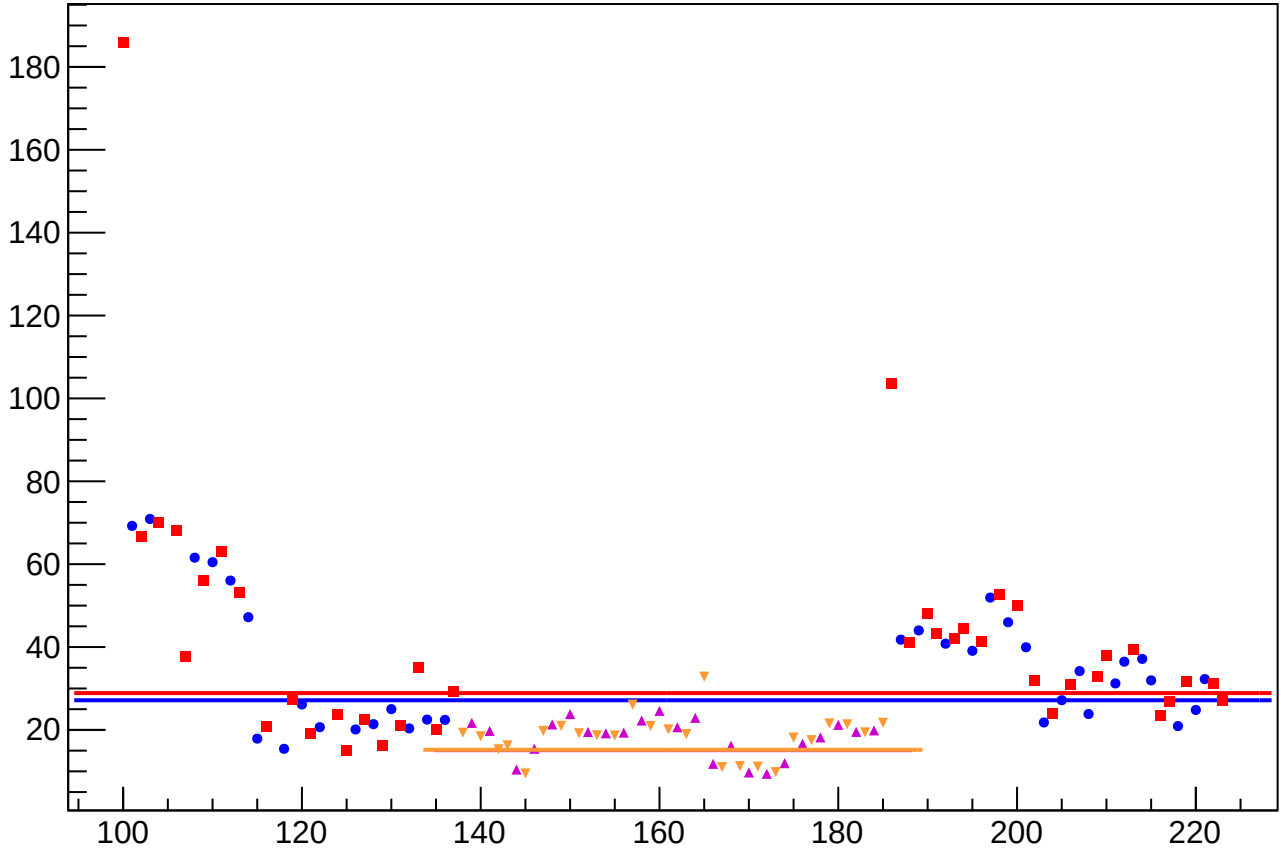
Right: 0.011+/-0.005 χ^2/NDF: 110.1/72

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:102.7/63

All: 0.003+/-0.002 χ^2/NDF: 165.1/120

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

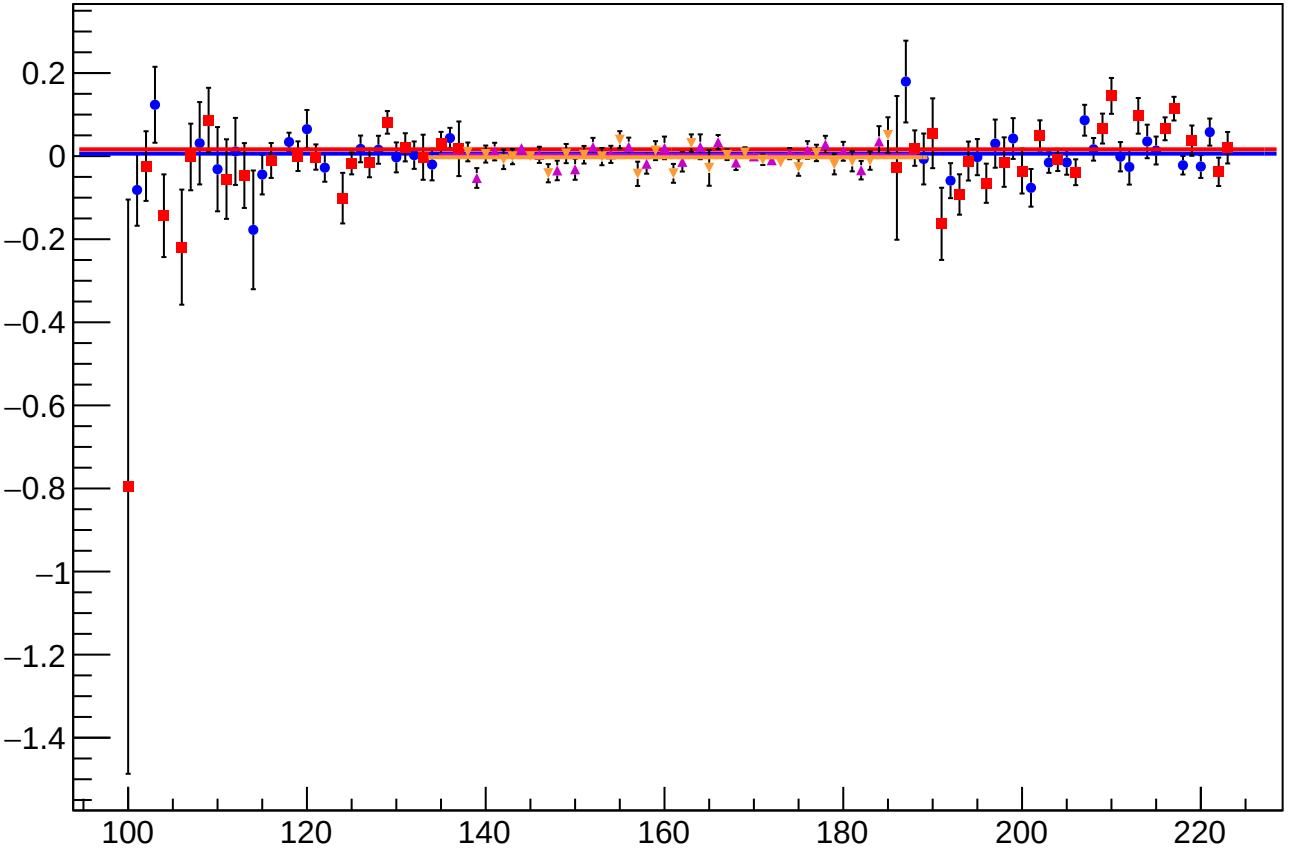
Right: 27.978+/-0.003 χ^2/NDF: 10553545.6/72

In: 18.335+/-0.002 χ^2/NDF:13511026.1/56

Out: 18.439+/-0.002 χ^2/NDF:15567461.3/63

All: 18.388+/-0.002 χ^2/NDF: 29079506.4/120

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

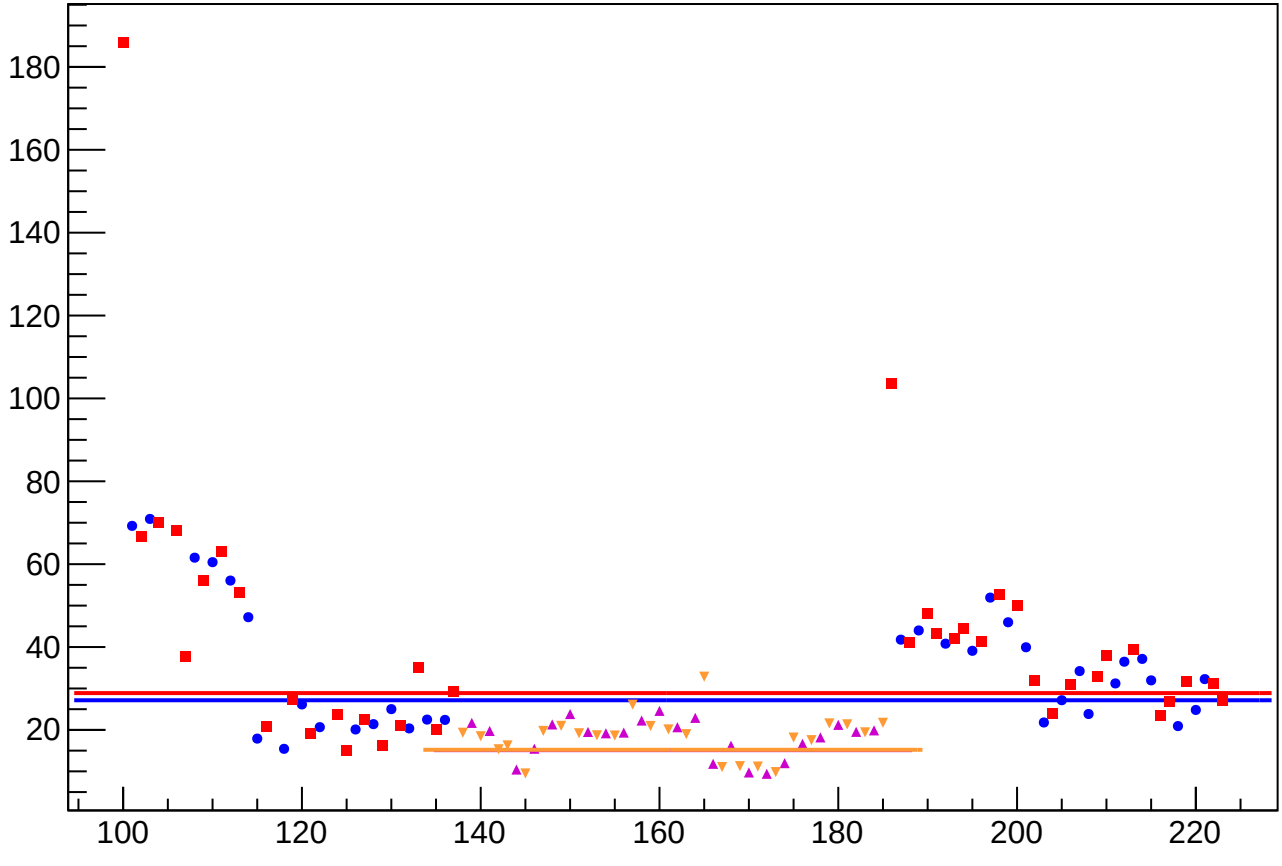
Right: 0.011+/-0.005 χ^2/NDF: 110.1/72

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:102.7/63

All: 0.003+/-0.002 χ^2/NDF: 165.1/120

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

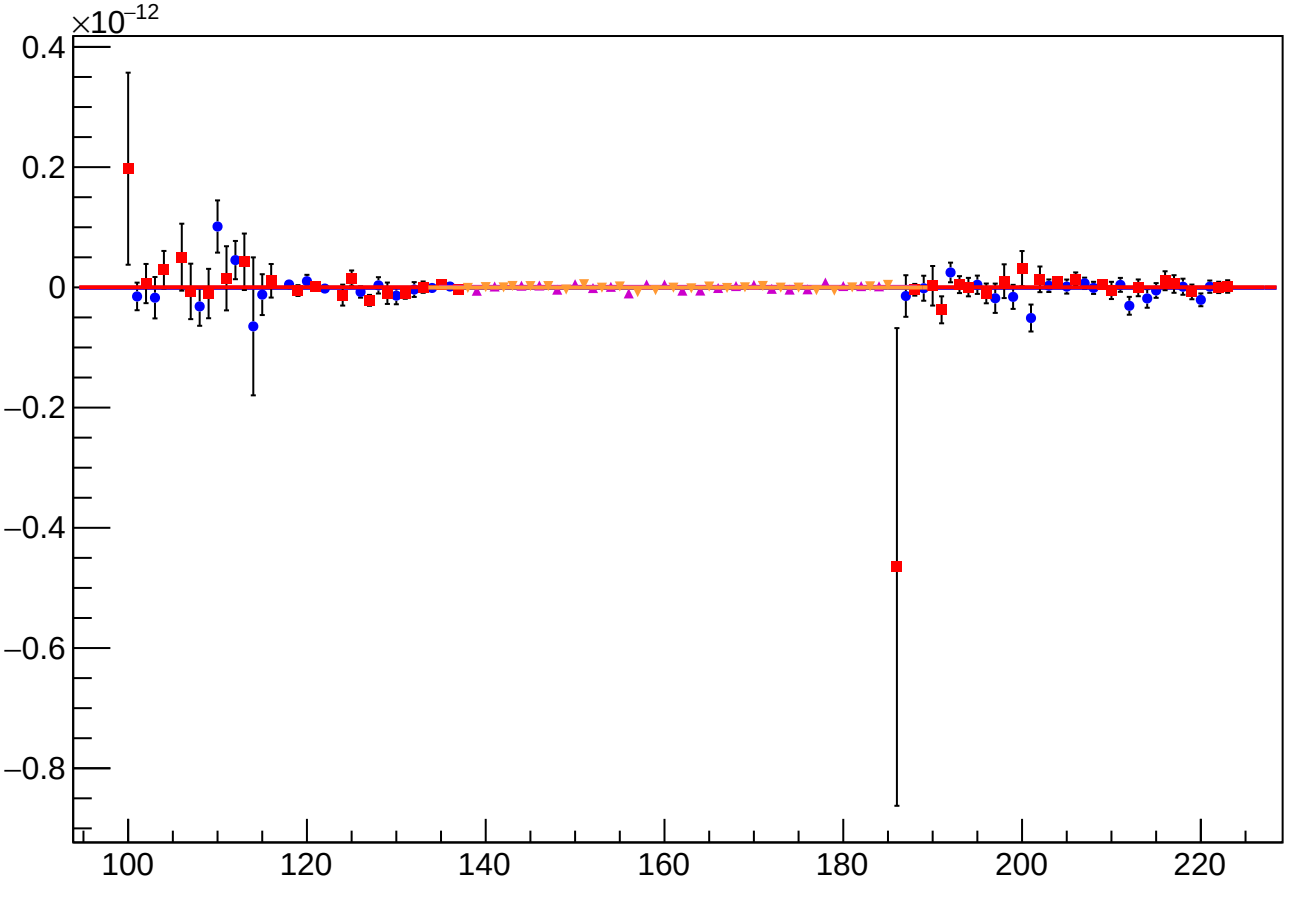
Right: 27.978+/-0.003 χ^2/NDF: 10553545.6/72

In: 18.335+/-0.002 χ^2/NDF:13511026.1/56

Out: 18.439+/-0.002 χ^2/NDF:15567461.3/63

All: 18.388+/-0.002 χ^2/NDF: 29079506.4/120

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

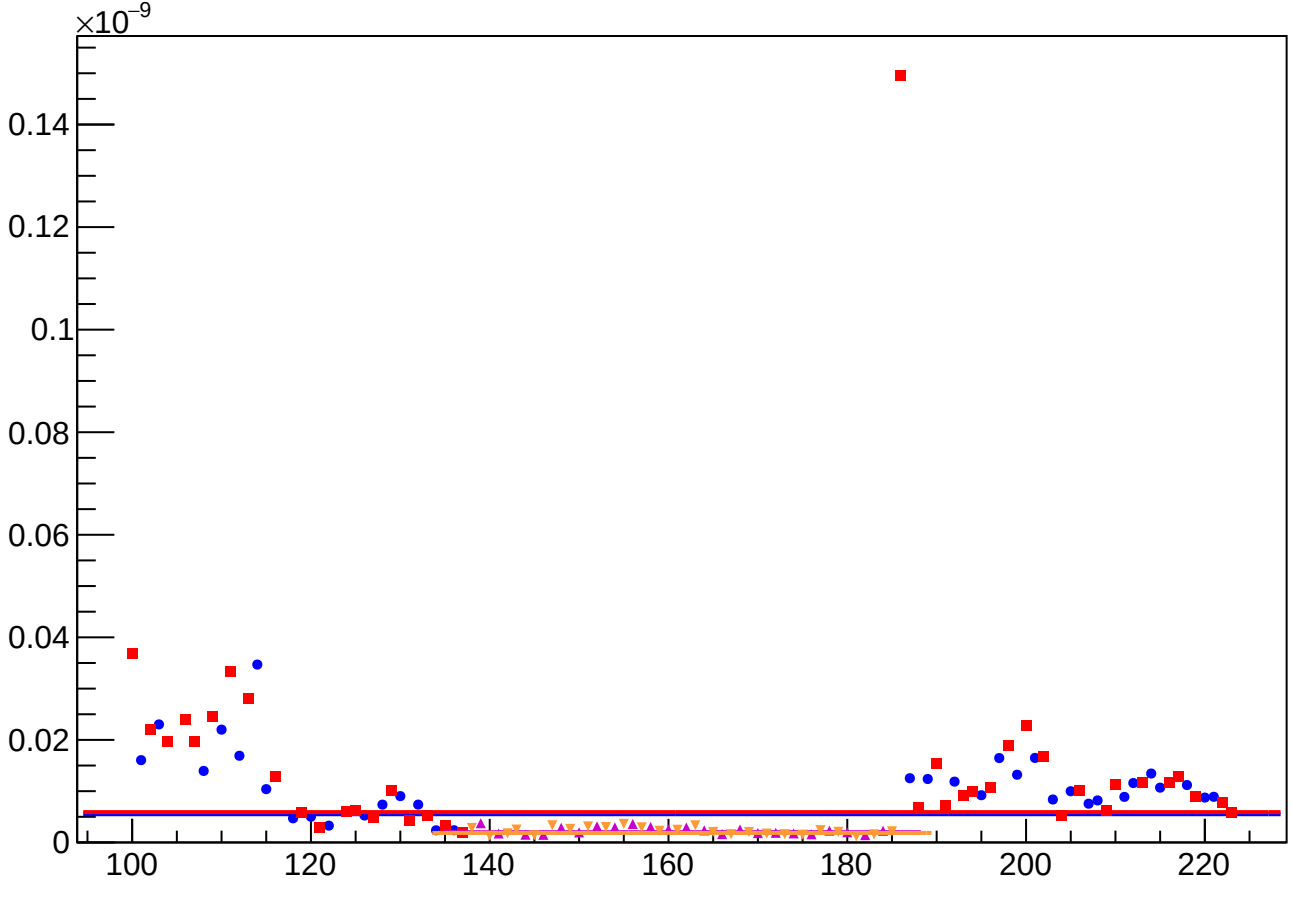
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: -0.000+/-0.000 χ^2/NDF: 59.7/72

In: 0.000+/-0.000 χ^2/NDF:72.3/56

Out: -0.000+/-0.000 χ^2/NDF:49.0/63

All: 0.000+/-0.000 χ^2/NDF: 122.6/120



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

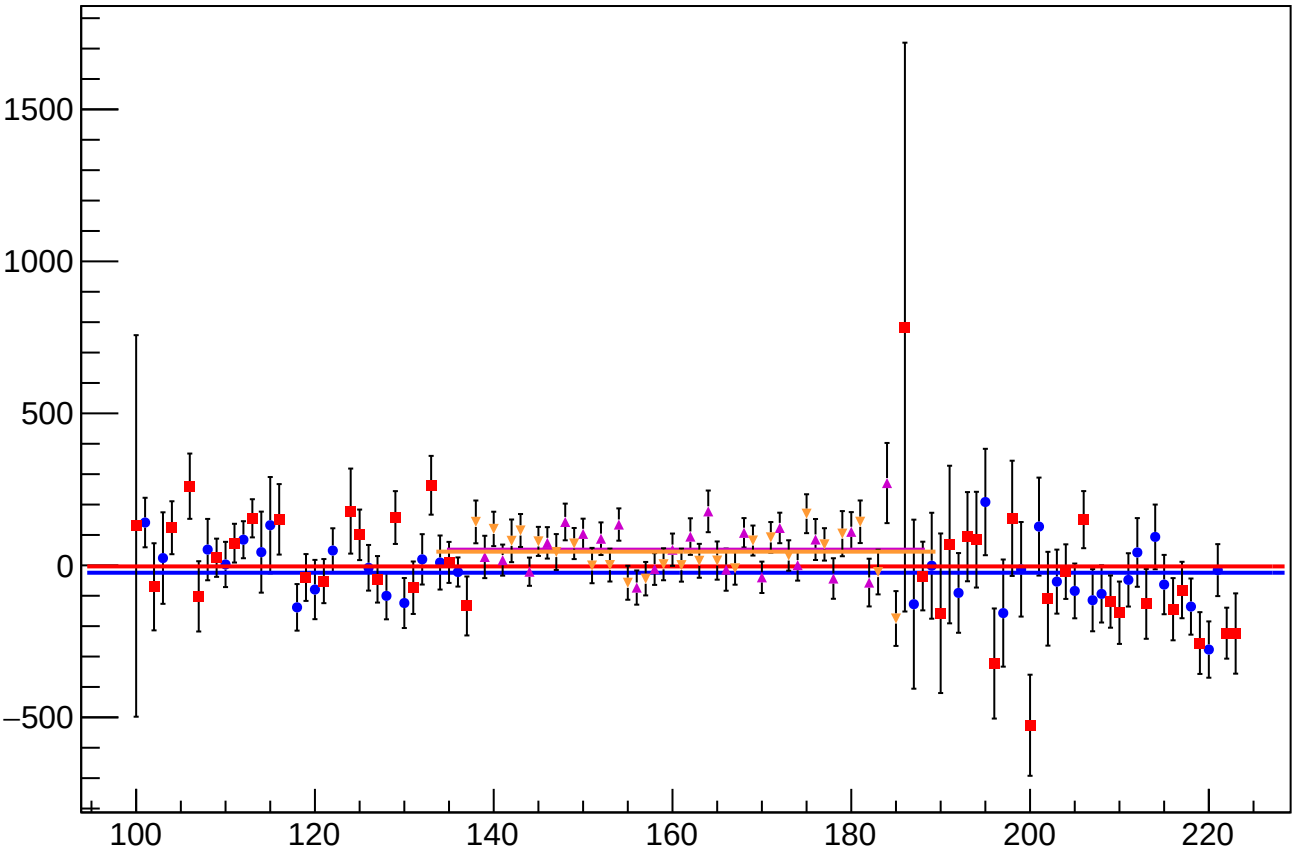
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 19933773.8/72

In: 0.000+/-0.000 χ^2/NDF:19396635.6/56

Out: 0.000+/-0.000 χ^2/NDF:21592166.3/63

All: 0.000+/-0.000 χ^2/NDF: 41109308.4/120



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

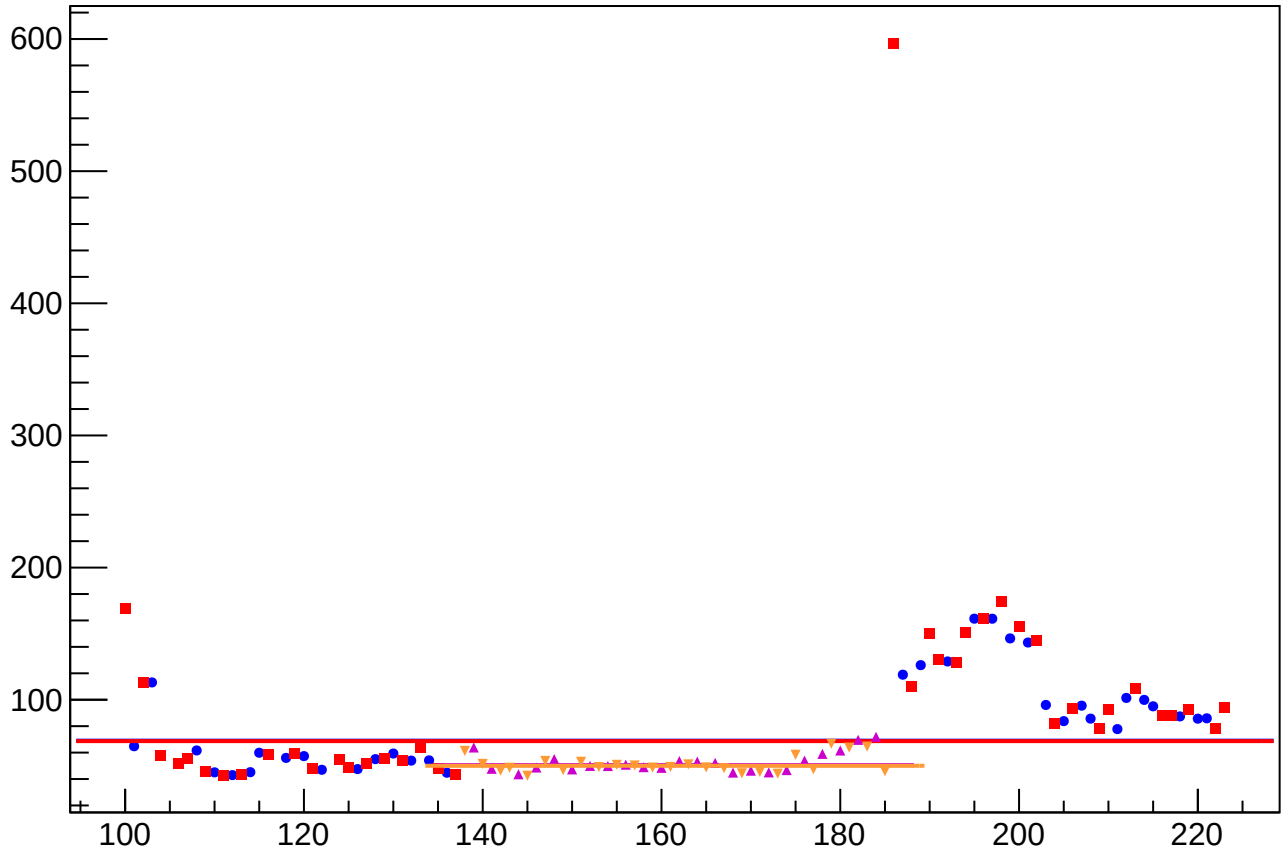
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: -13.823+/-11.232 χ^2/NDF: 112.0/72

In: 24.332+/-9.547 χ^2/NDF:82.4/56

Out: 28.354+/-9.305 χ^2/NDF:116.6/63

All: 26.394+/-6.663 χ^2/NDF: 199.1/120



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

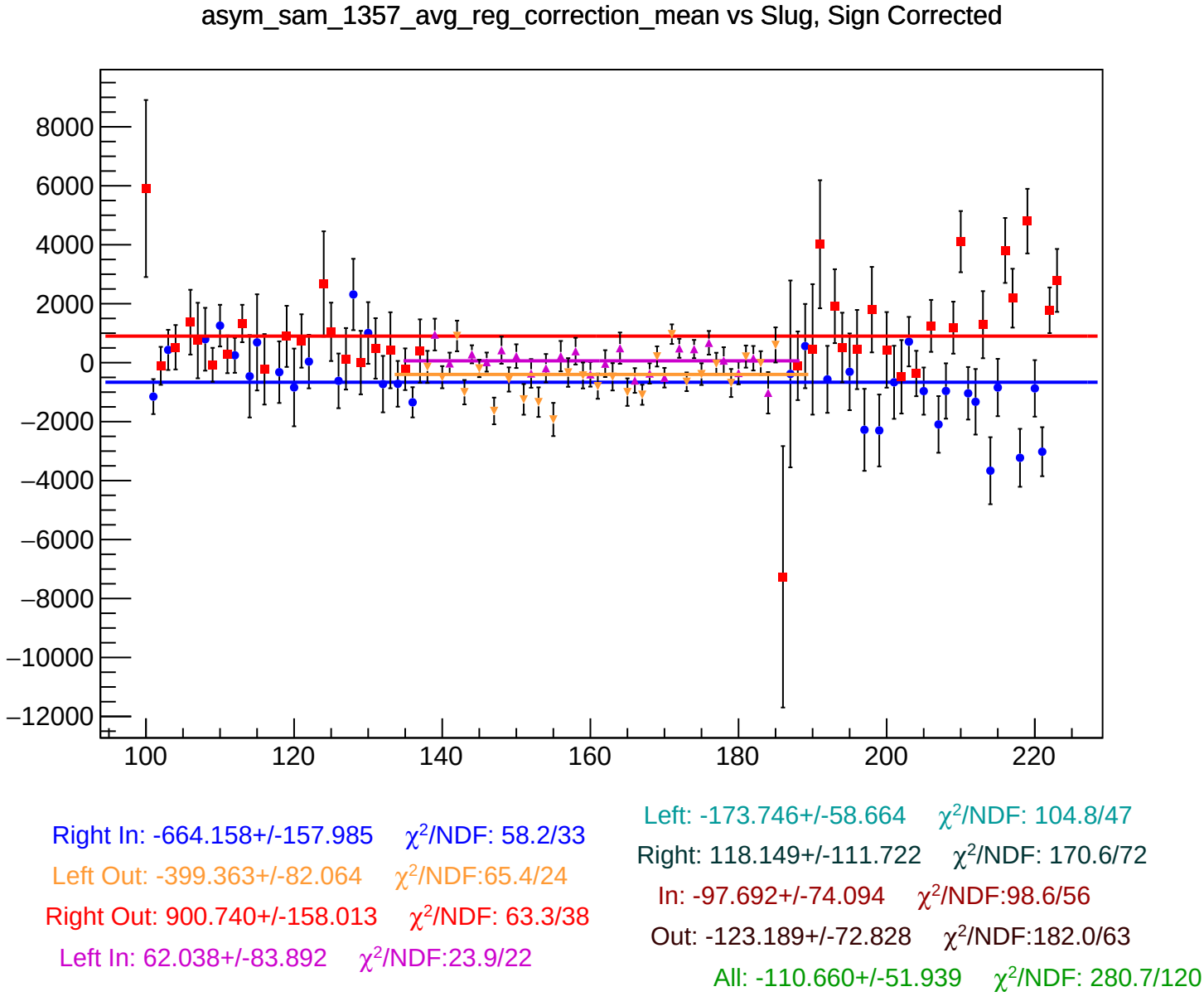
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 68.854+/-0.008 χ^2/NDF: 13168132.9/72

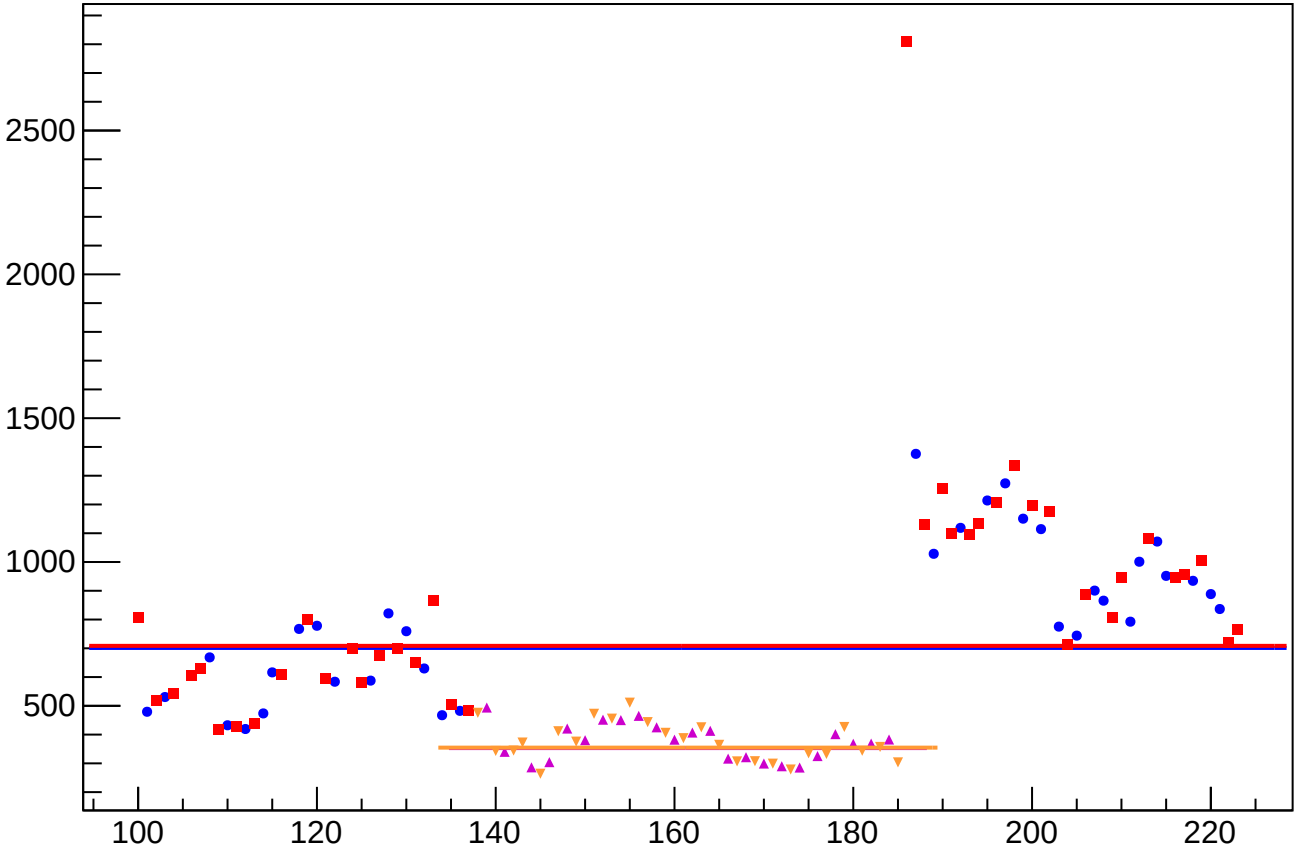
In: 57.168+/-0.007 χ^2/NDF:8047637.9/56

Out: 56.455+/-0.007 χ^2/NDF:9682016.4/63

All: 56.802+/-0.005 χ^2/NDF: 17735378.8/120


asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: -664.158+/-157.985 χ²/NDF: 58.2/33
Left Out: -399.363+/-82.064 χ²/NDF:65.4/24
Right Out: 900.740+/-158.013 χ²/NDF: 63.3/38
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.746+/-58.664 χ²/NDF: 104.8/47
Right: 118.149+/-111.722 χ²/NDF: 170.6/72
In: -97.692+/-74.094 χ²/NDF:98.6/56
Out: -123.189+/-72.828 χ²/NDF:182.0/63
All: -110.660+/-51.939 χ²/NDF: 280.7/120

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



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

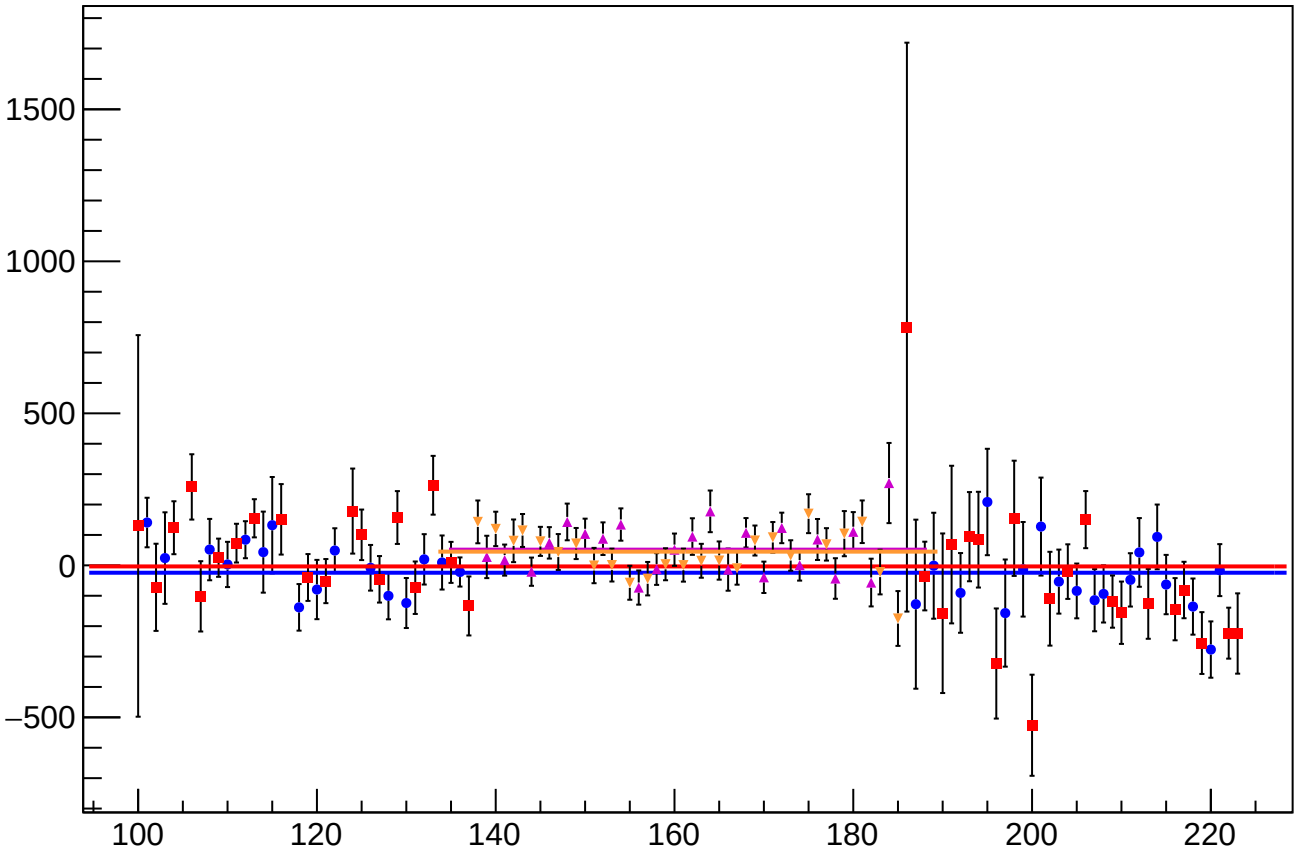
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 704.880+/-0.079 χ^2/NDF: 9716117.5/72

In: 429.689+/-0.052 χ^2/NDF:12975055.8/56

Out: 429.831+/-0.051 χ^2/NDF:14362952.3/63

All: 429.761+/-0.037 χ^2/NDF: 27338011.9/12



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

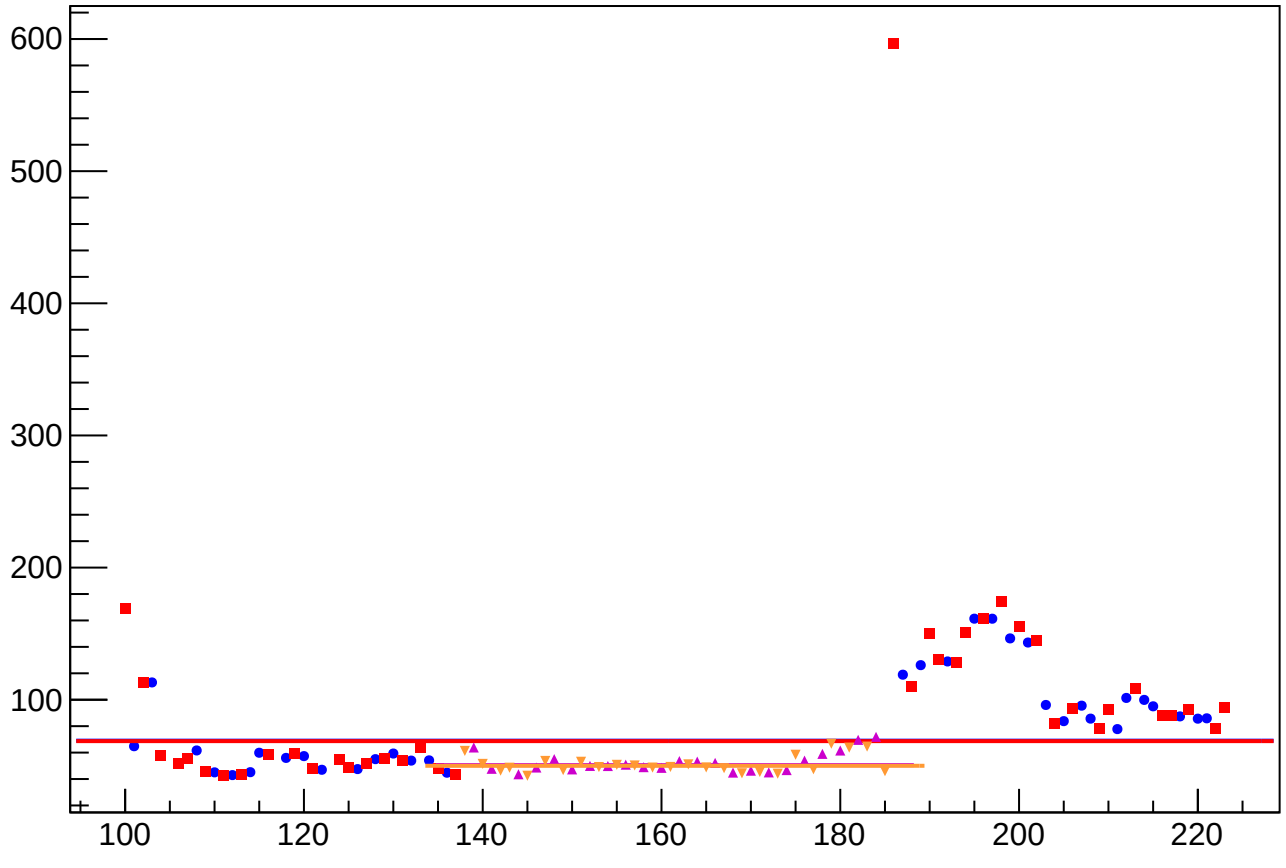
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -13.864+/-11.232 χ^2/NDF: 111.9/72

In: 24.331+/-9.547 χ^2/NDF:82.4/56

Out: 28.330+/-9.305 χ^2/NDF:116.6/63

All: 26.382+/-6.663 χ^2/NDF: 199.0/120



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

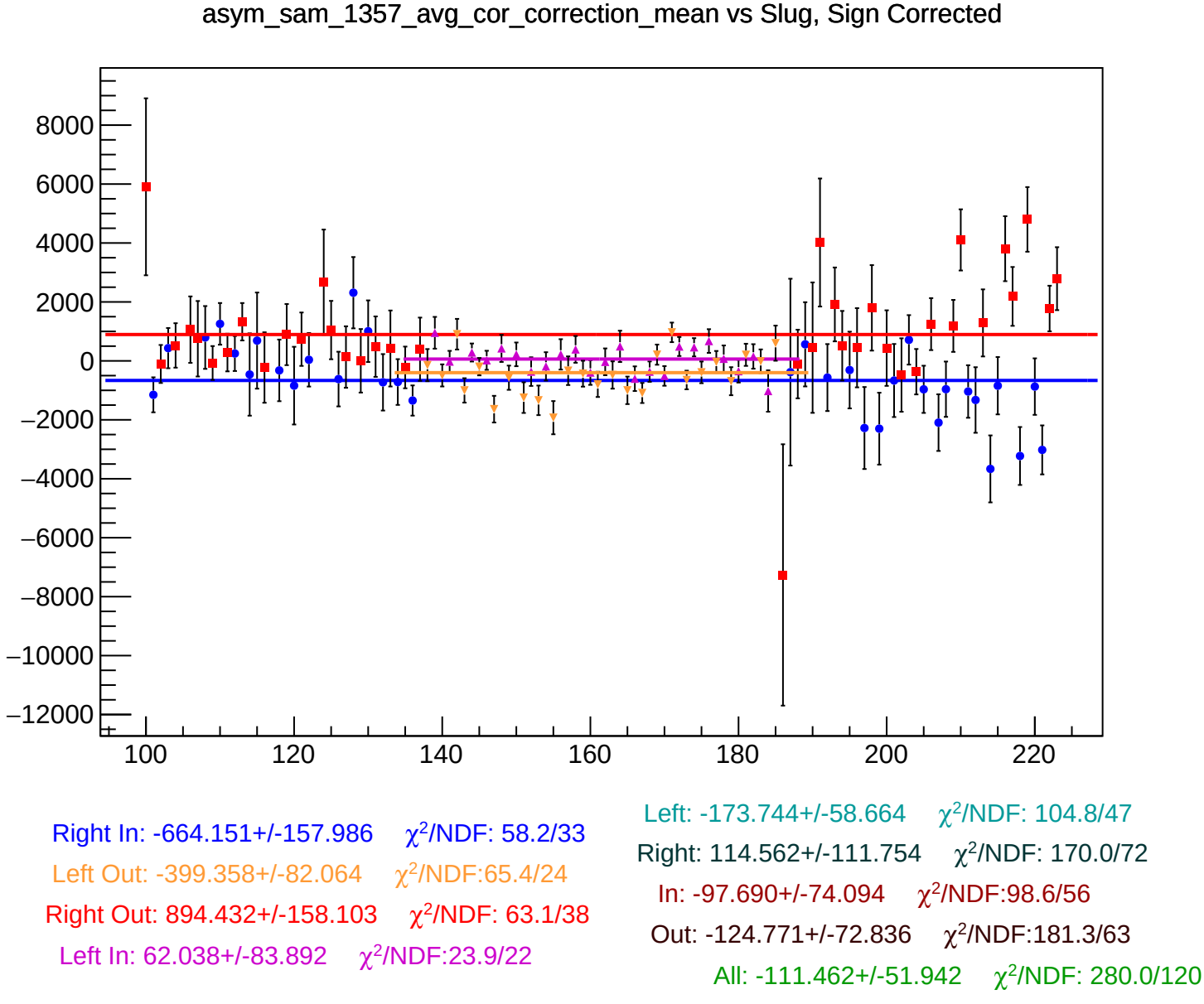
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

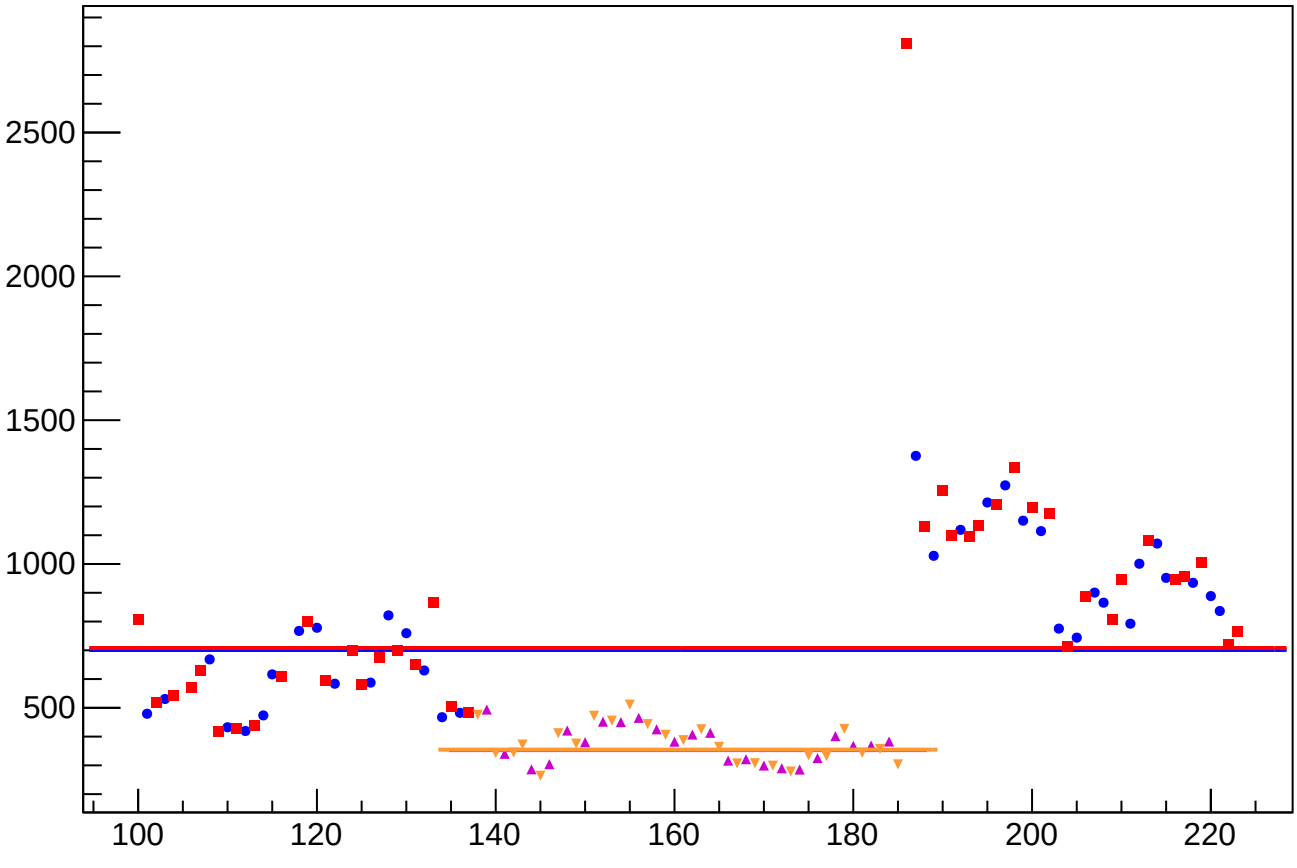
Right: 68.851+/-0.008 χ^2/NDF: 13170127.3/72

In: 57.168+/-0.007 χ^2/NDF:8047640.3/56

Out: 56.452+/-0.007 χ^2/NDF:9682755.2/63

All: 56.801+/-0.005 χ^2/NDF: 17736156.2/120


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: -664.151+/-157.986 χ²/NDF: 58.2/33
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 894.432+/-158.103 χ²/NDF: 63.1/38
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 114.562+/-111.754 χ²/NDF: 170.0/72
In: -97.690+/-74.094 χ²/NDF:98.6/56
Out: -124.771+/-72.836 χ²/NDF:181.3/63
All: -111.462+/-51.942 χ²/NDF: 280.0/120



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

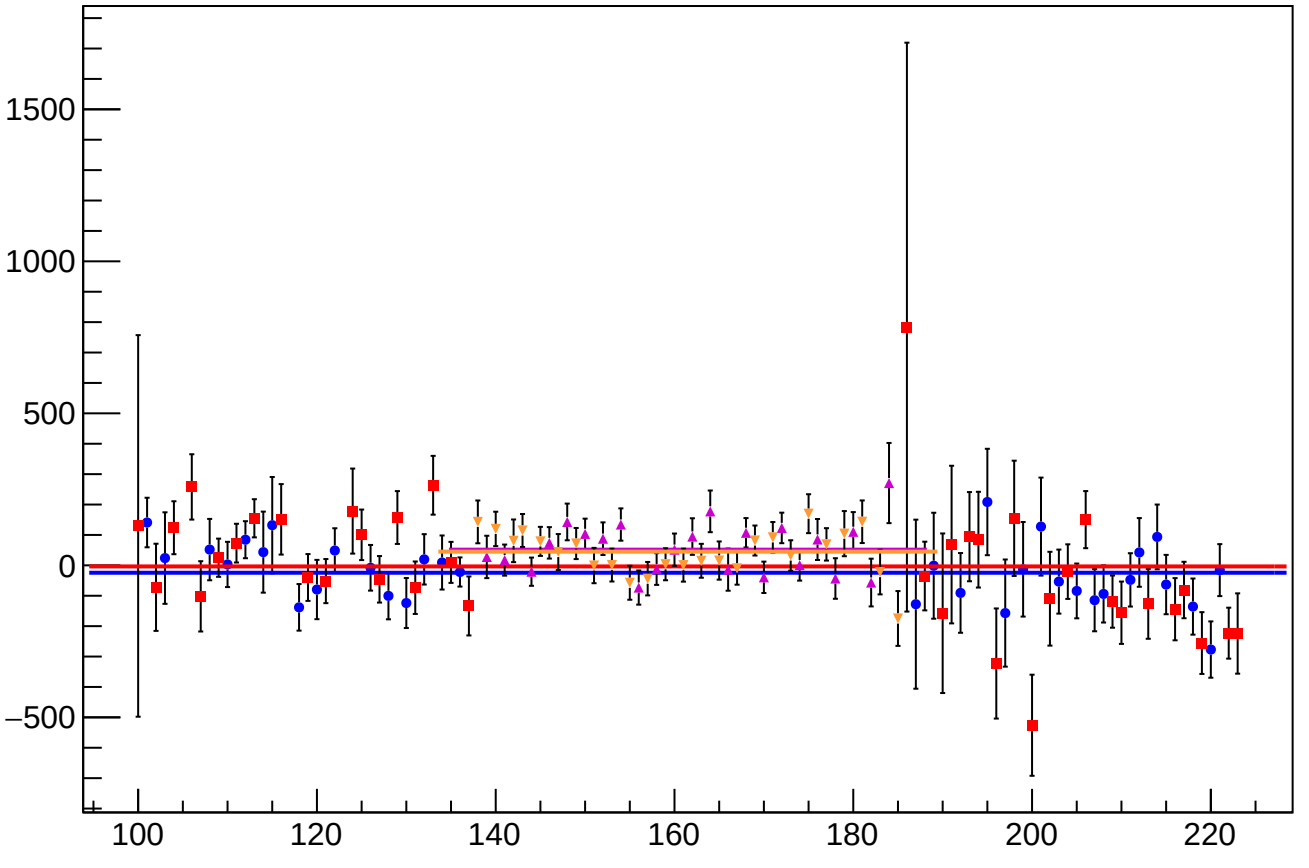
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 704.609+/-0.079 χ^2/NDF: 9727007.7/72

In: 429.689+/-0.052 χ^2/NDF:12975099.1/56

Out: 429.649+/-0.052 χ^2/NDF:14343046.2/63

All: 429.669+/-0.037 χ^2/NDF: 27318145.6/12



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

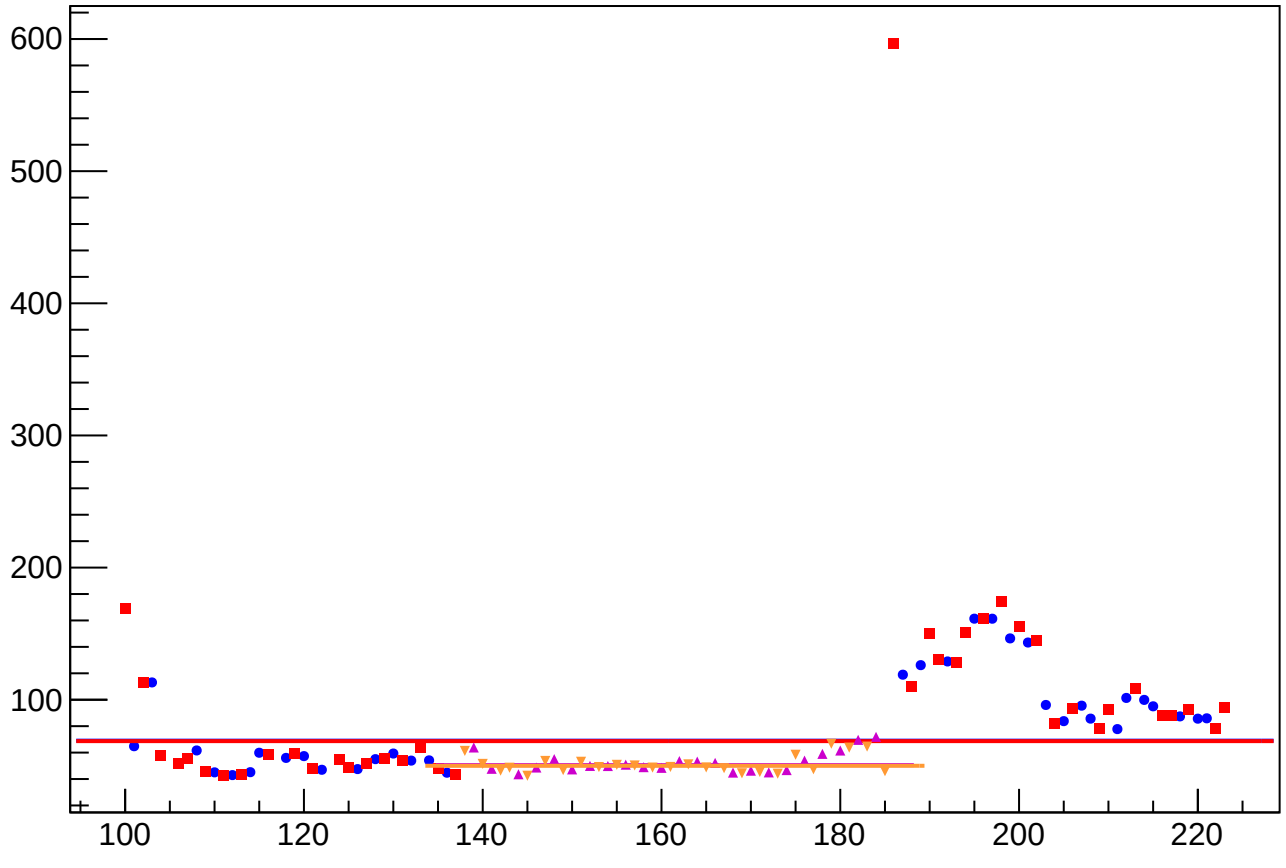
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -13.864+/-11.232 χ^2/NDF: 111.9/72

In: 24.331+/-9.547 χ^2/NDF:82.4/56

Out: 28.330+/-9.305 χ^2/NDF:116.6/63

All: 26.382+/-6.663 χ^2/NDF: 199.0/120



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

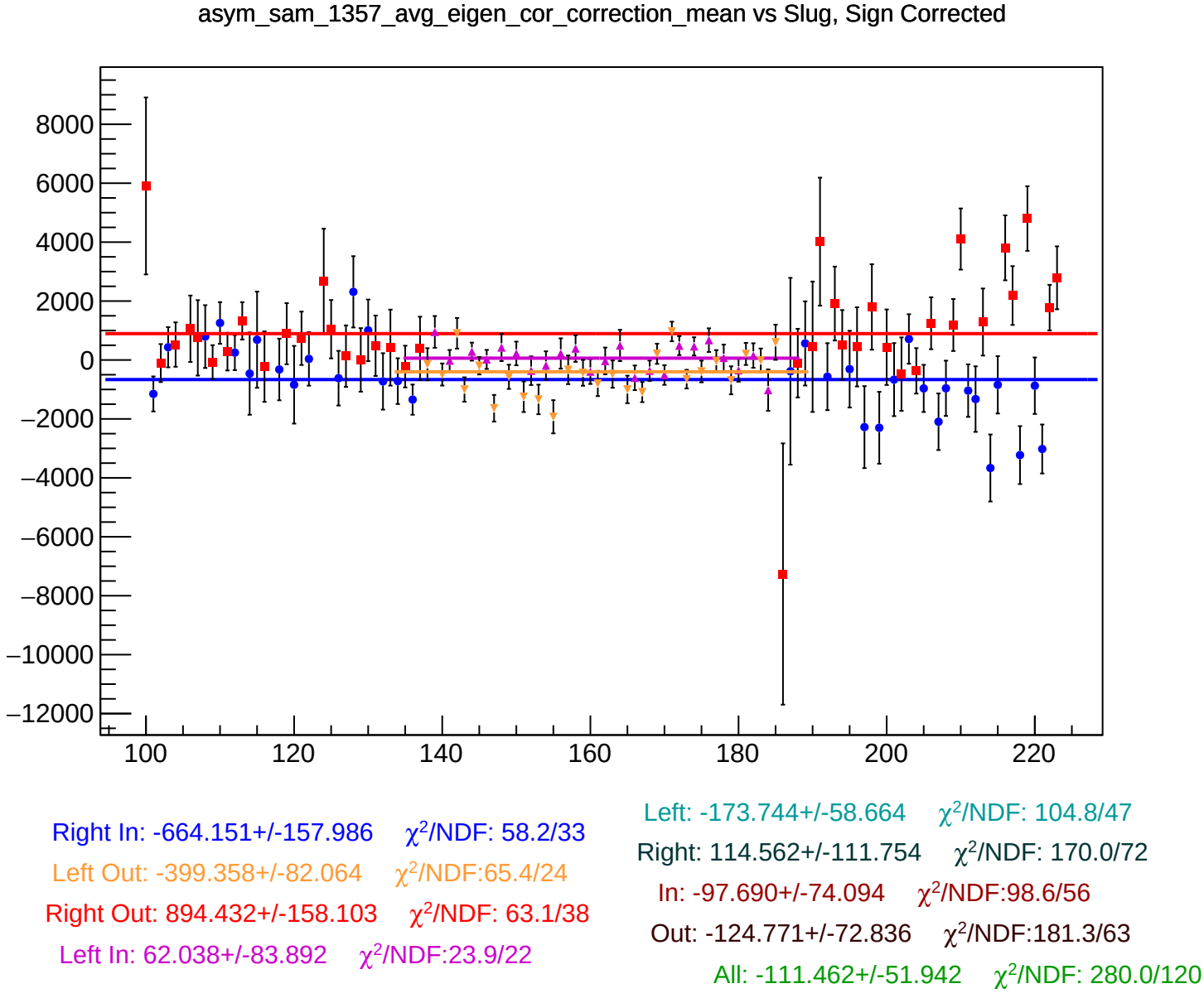
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

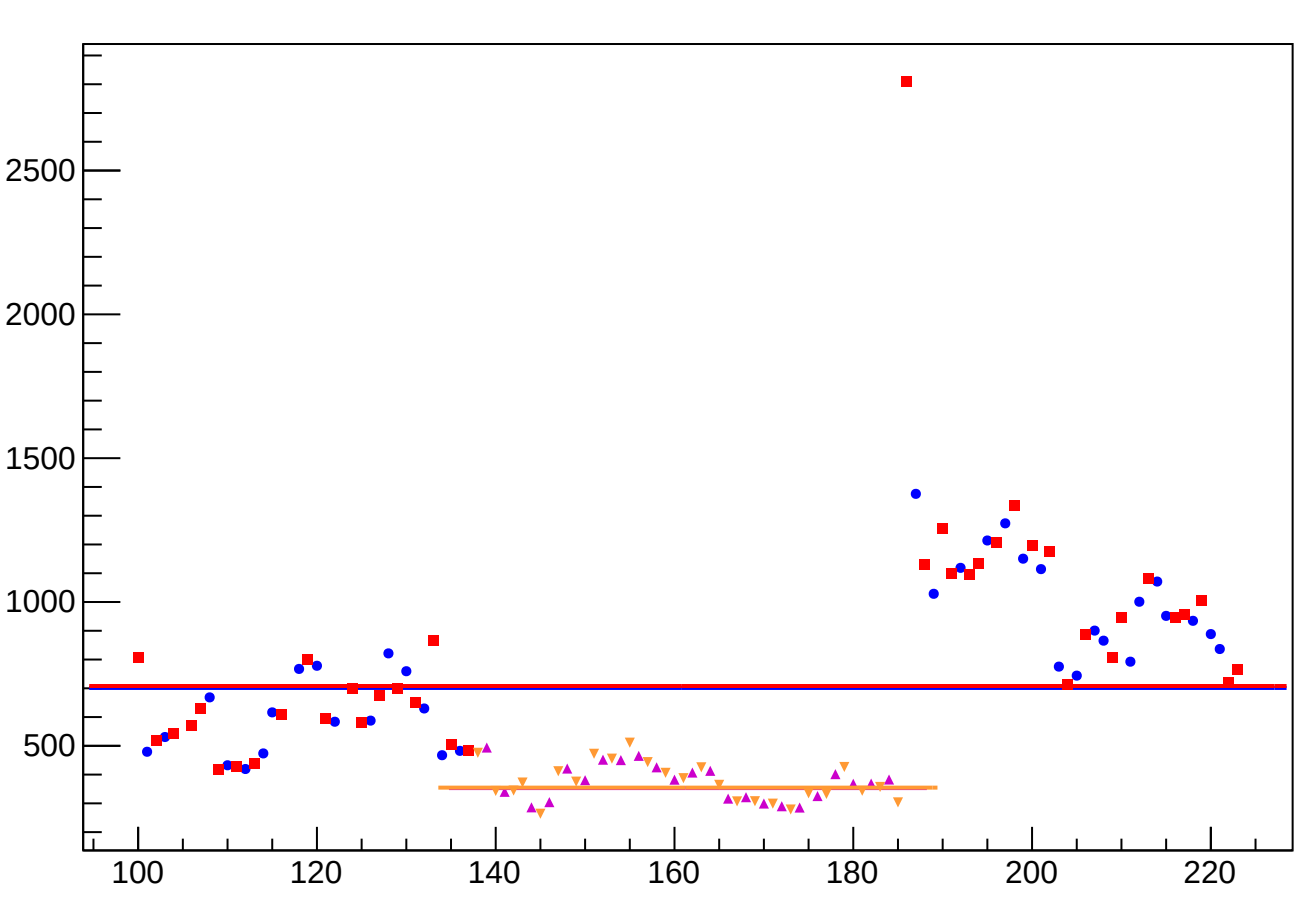
Right: 68.851+/-0.008 χ^2/NDF: 13170127.3/72

In: 57.168+/-0.007 χ^2/NDF:8047640.3/56

Out: 56.452+/-0.007 χ^2/NDF:9682755.2/63

All: 56.801+/-0.005 χ^2/NDF: 17736156.2/120


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: -664.151+/-157.986 χ²/NDF: 58.2/33
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 894.432+/-158.103 χ²/NDF: 63.1/38
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 114.562+/-111.754 χ²/NDF: 170.0/72
In: -97.690+/-74.094 χ²/NDF:98.6/56
Out: -124.771+/-72.836 χ²/NDF:181.3/63
All: -111.462+/-51.942 χ²/NDF: 280.0/120



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

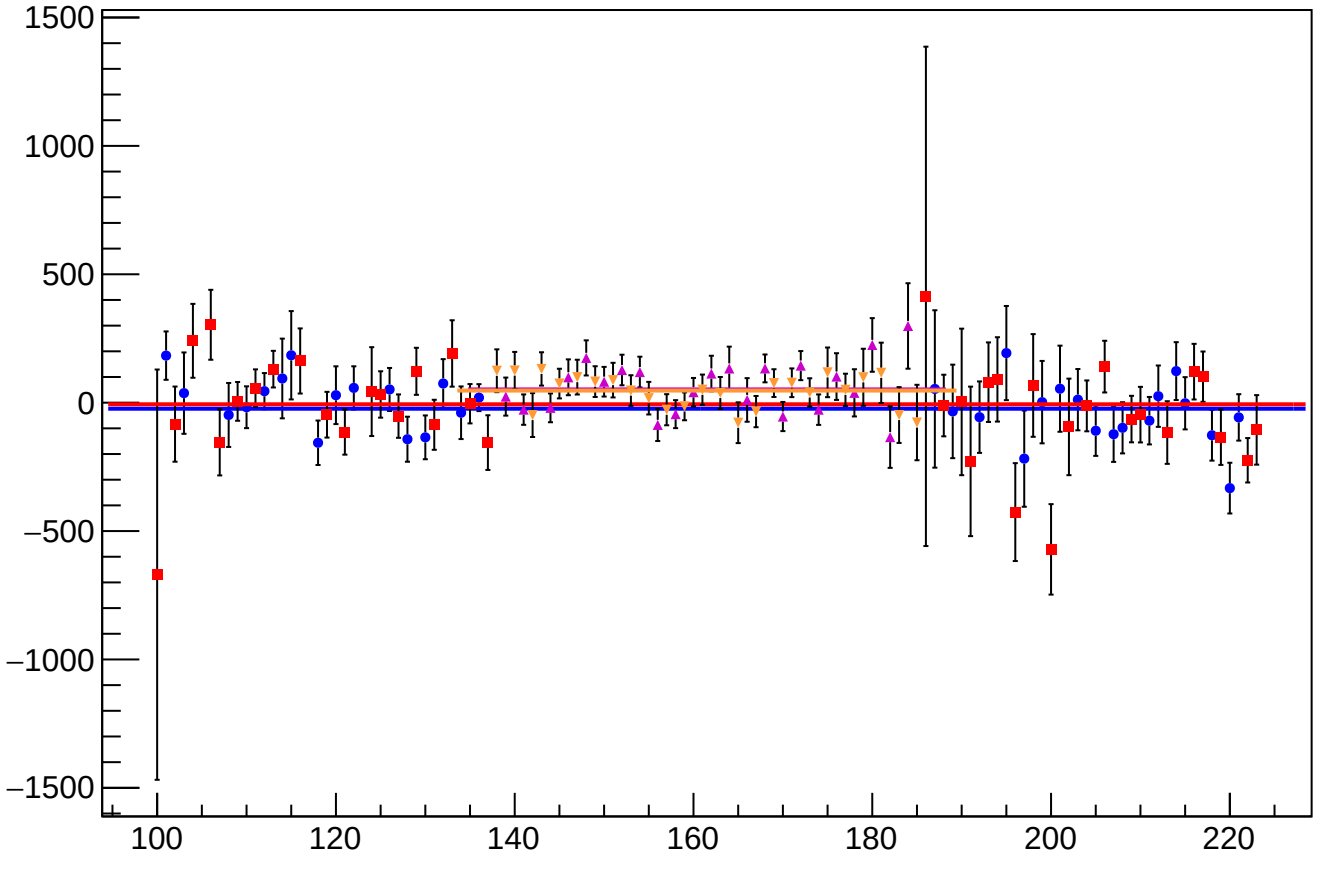
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 704.609+/-0.079 χ^2/NDF: 9727007.7/72

In: 429.689+/-0.052 χ^2/NDF:12975099.1/56

Out: 429.649+/-0.052 χ^2/NDF:14343046.2/63

All: 429.669+/-0.037 χ^2/NDF: 27318145.6/12



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

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

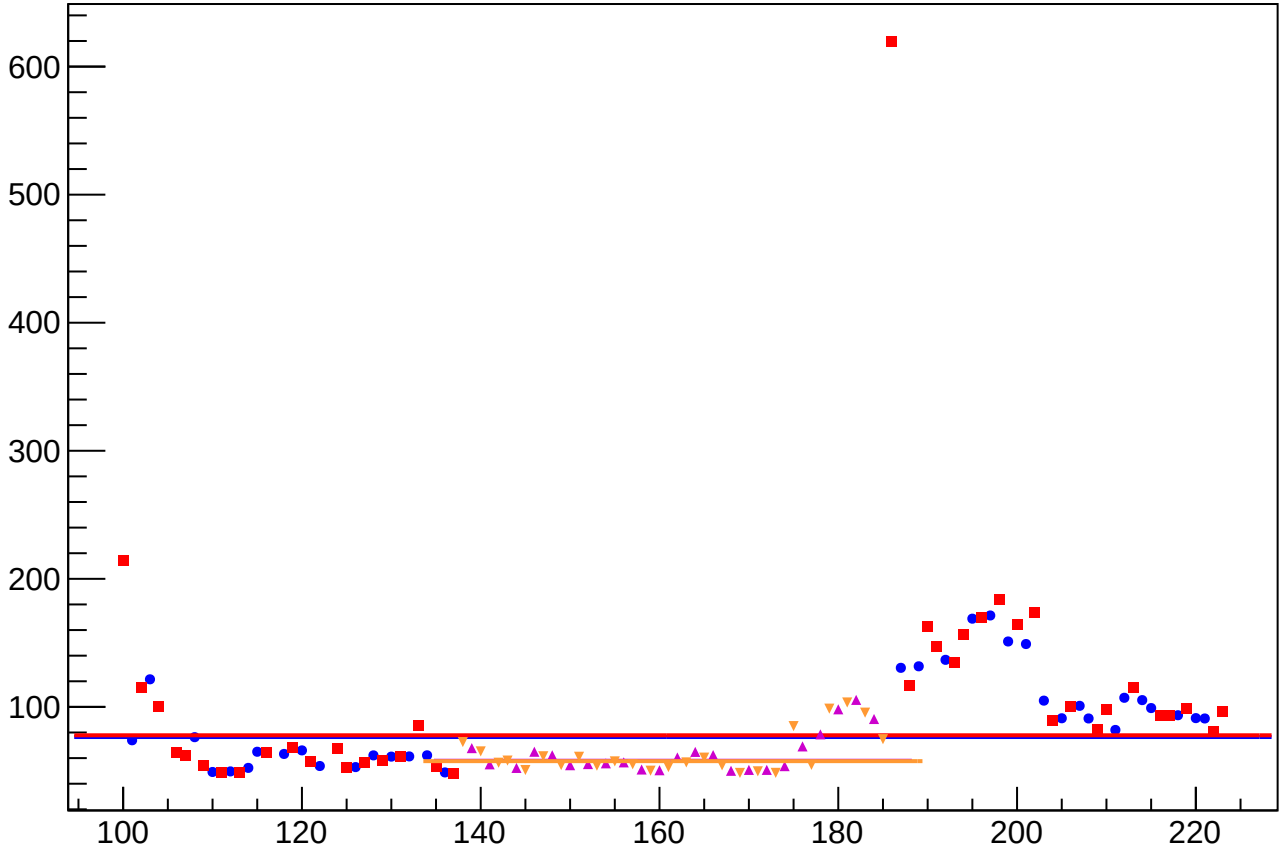
Right: -15.087+/-12.491 χ^2/NDF: 93.5/72

In: 22.519+/-10.907 χ^2/NDF:85.4/56

Out: 27.612+/-10.763 χ^2/NDF:79.9/63

All: 25.099+/-7.661 χ^2/NDF: 165.4/120

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

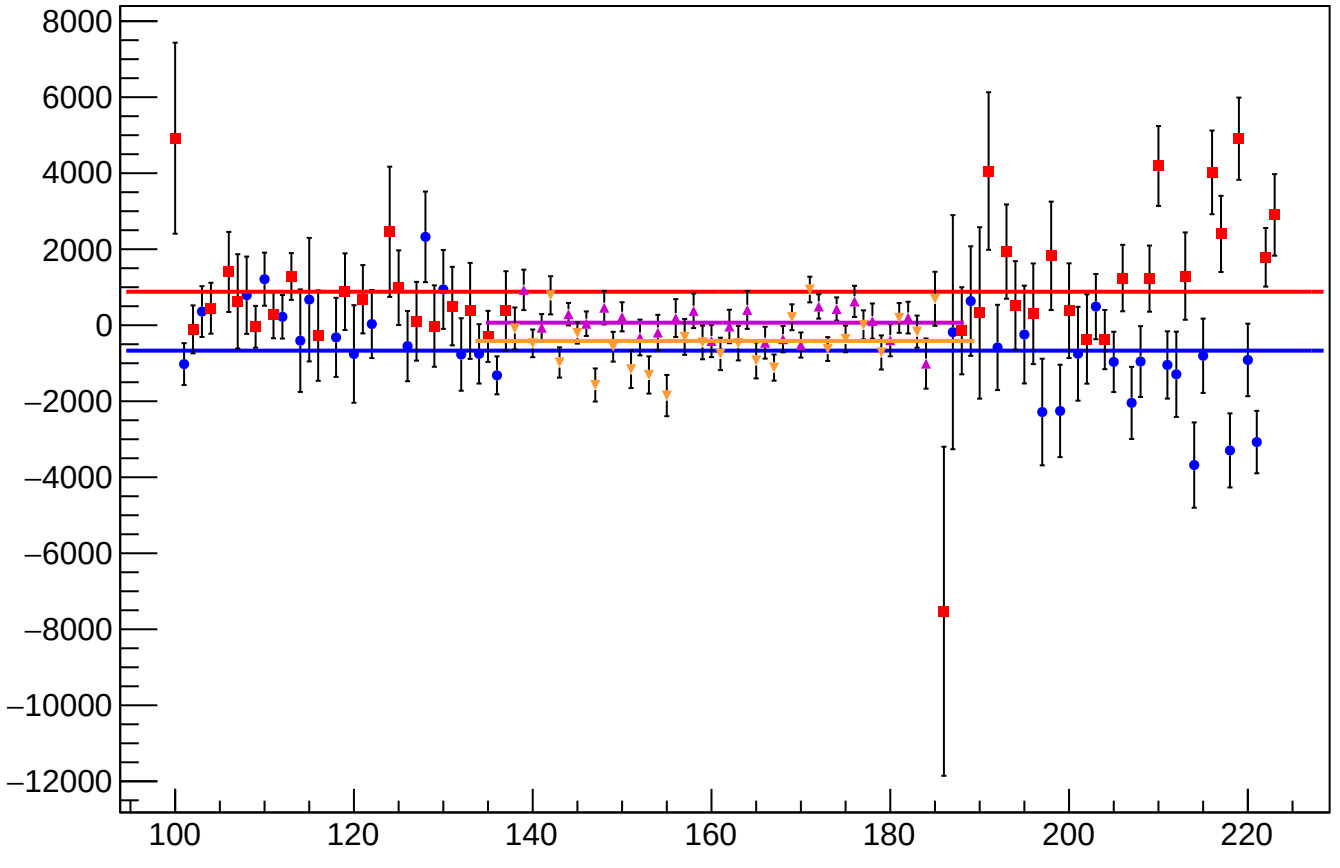
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 77.138+/-0.009 χ^2/NDF: 11704837.3/72

In: 65.116+/-0.008 χ^2/NDF:7636682.4/56

Out: 65.010+/-0.008 χ^2/NDF:9554841.2/63

All: 65.062+/-0.005 χ^2/NDF: 17191619.7/120



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

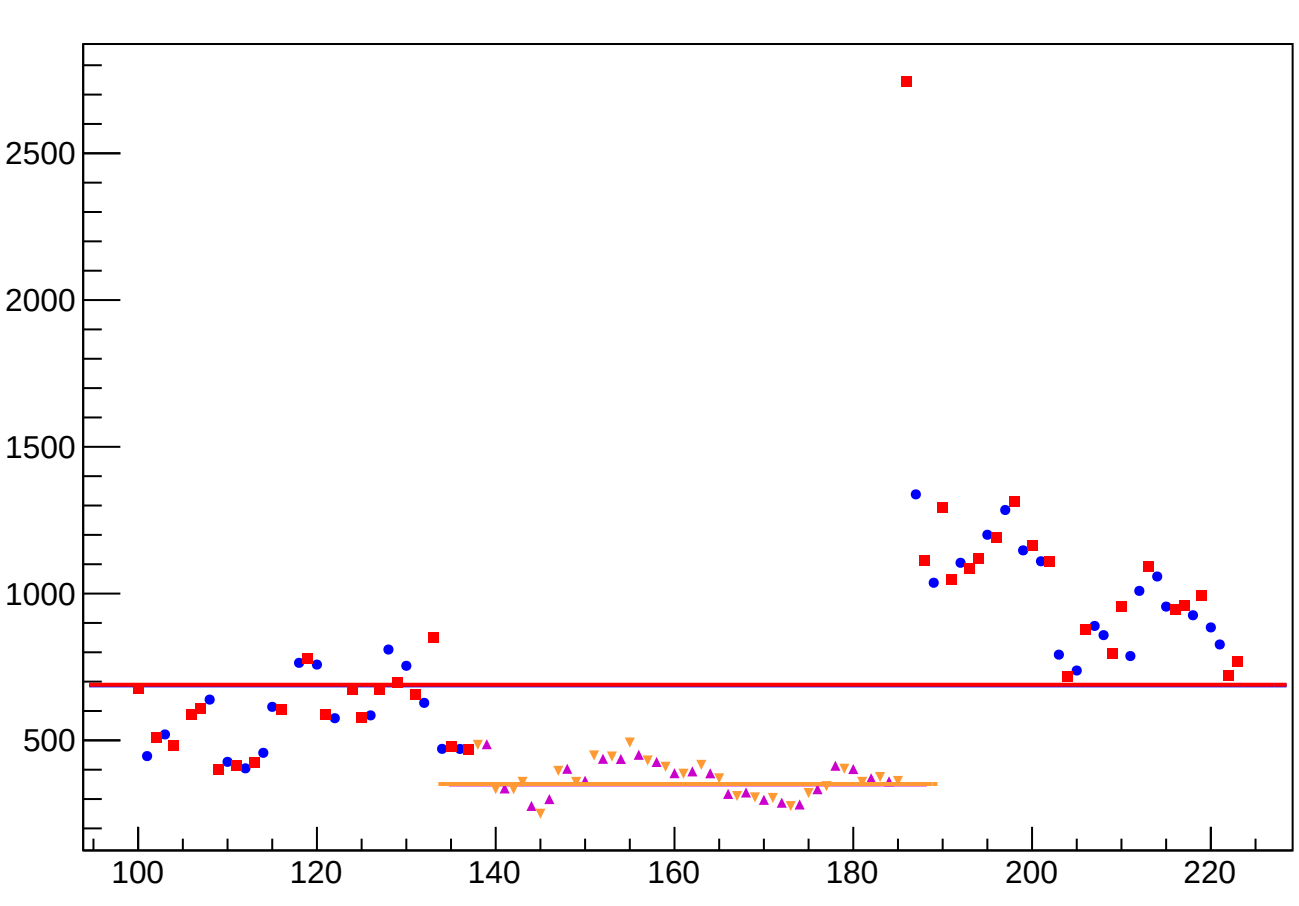
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 111.685+/-109.485 χ^2/NDF: 176.8/72

In: -96.896+/-73.264 χ^2/NDF:98.5/56

Out: -132.666+/-71.814 χ^2/NDF:185.0/63

All: -115.138+/-51.285 χ^2/NDF: 283.6/120



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

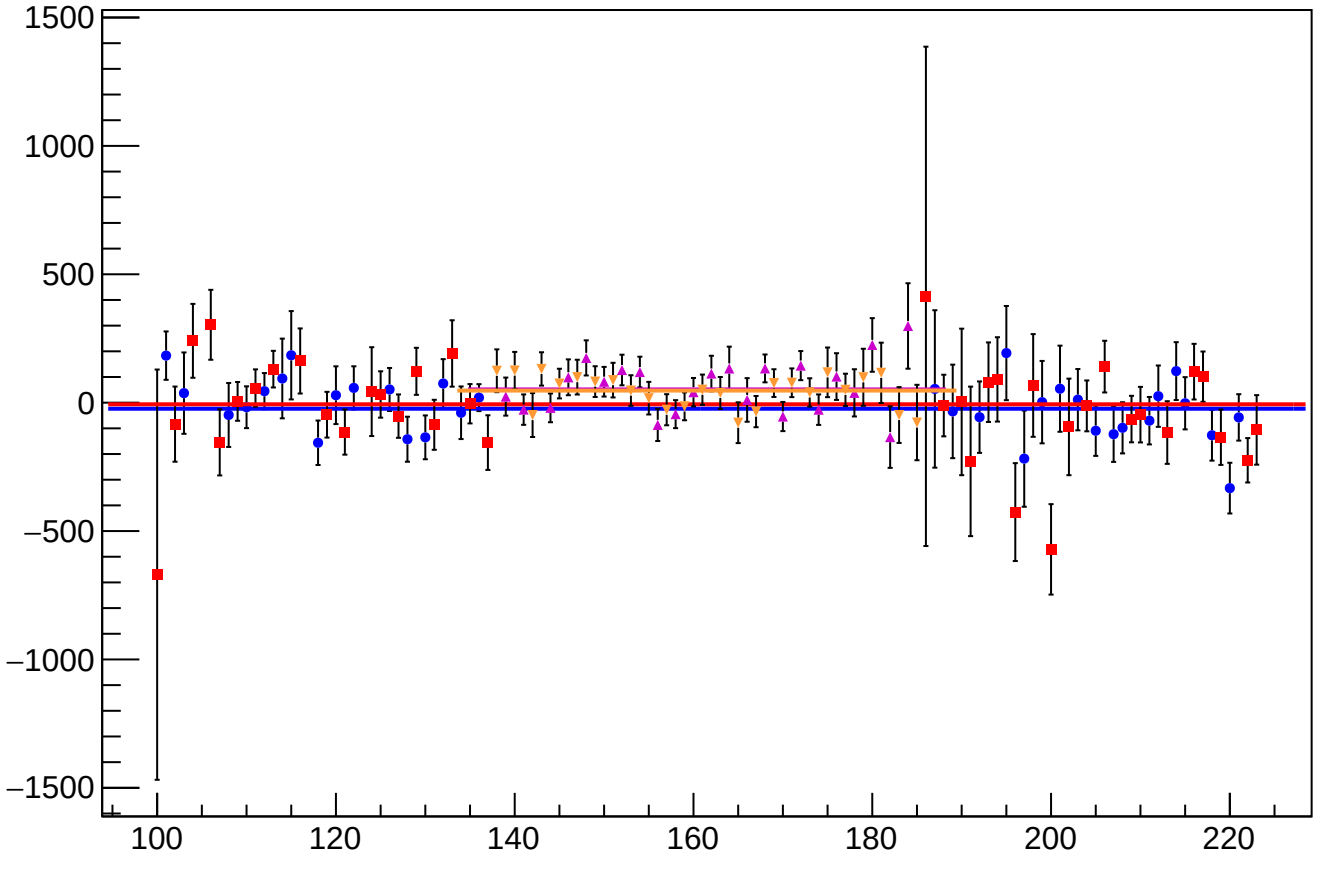
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 688.372+/-0.077 χ^2/NDF: 10321867.4/72

In: 424.861+/-0.052 χ^2/NDF:13011939.5/56

Out: 424.502+/-0.051 χ^2/NDF:14281584.7/63

All: 424.678+/-0.036 χ^2/NDF: 27293548.7/12



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

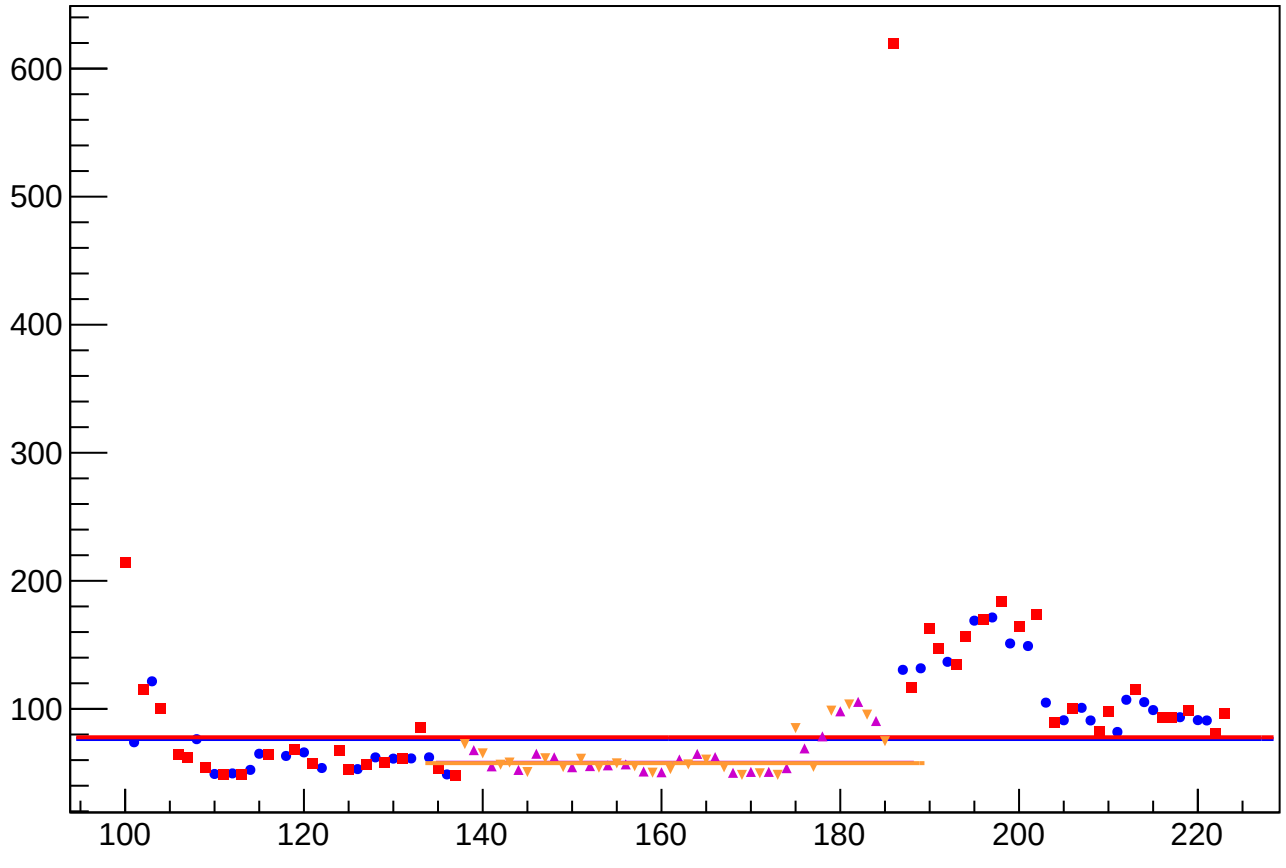
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -15.088+/-12.491 χ^2/NDF: 93.5/72

In: 22.519+/-10.907 χ^2/NDF:85.4/56

Out: 27.612+/-10.763 χ^2/NDF:79.9/63

All: 25.099+/-7.661 χ^2/NDF: 165.4/120



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

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

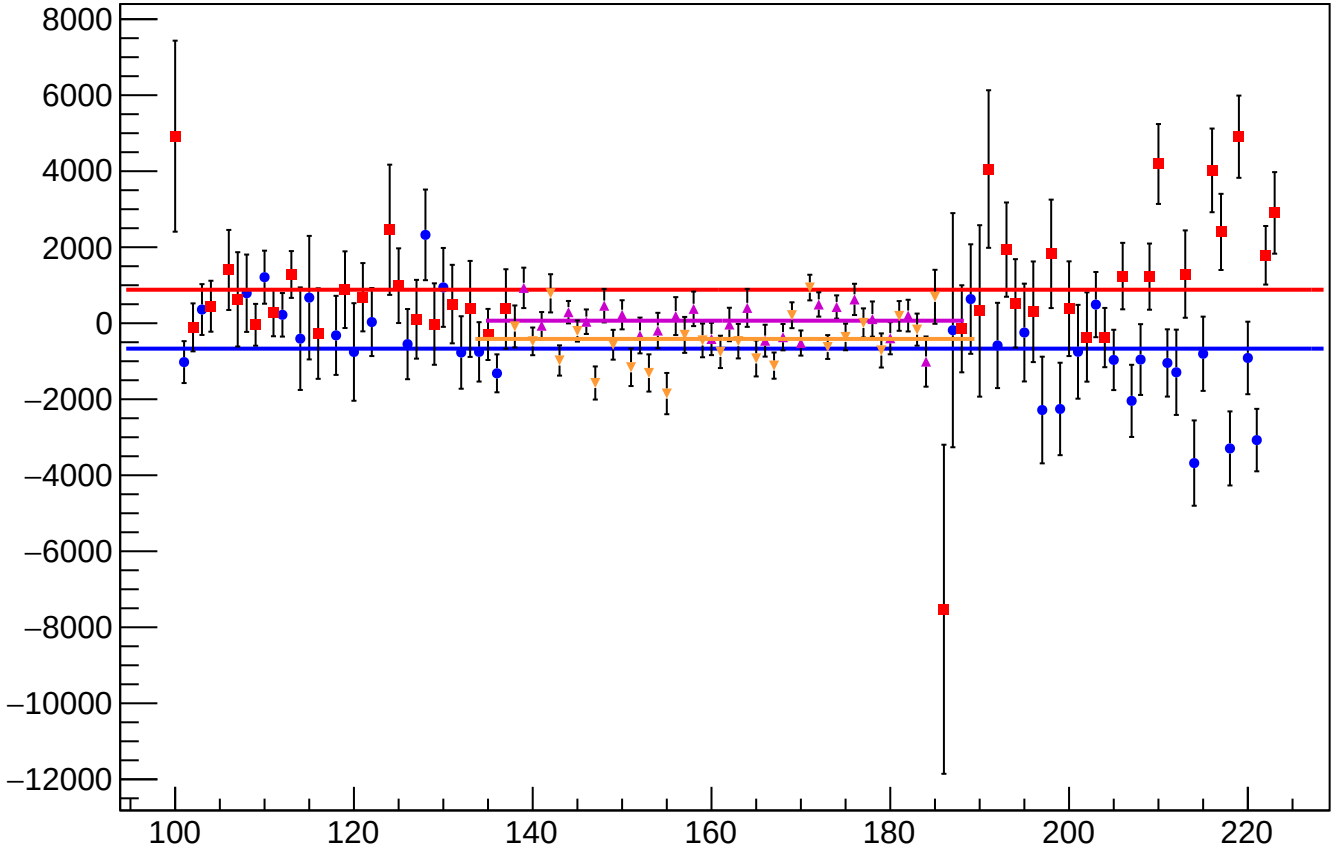
Right: 77.138+/-0.009 χ^2/NDF: 11704779.5/72

In: 65.116+/-0.008 χ^2/NDF:7636625.6/56

Out: 65.010+/-0.008 χ^2/NDF:9554805.8/63

All: 65.063+/-0.005 χ^2/NDF: 17191527.6/120

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

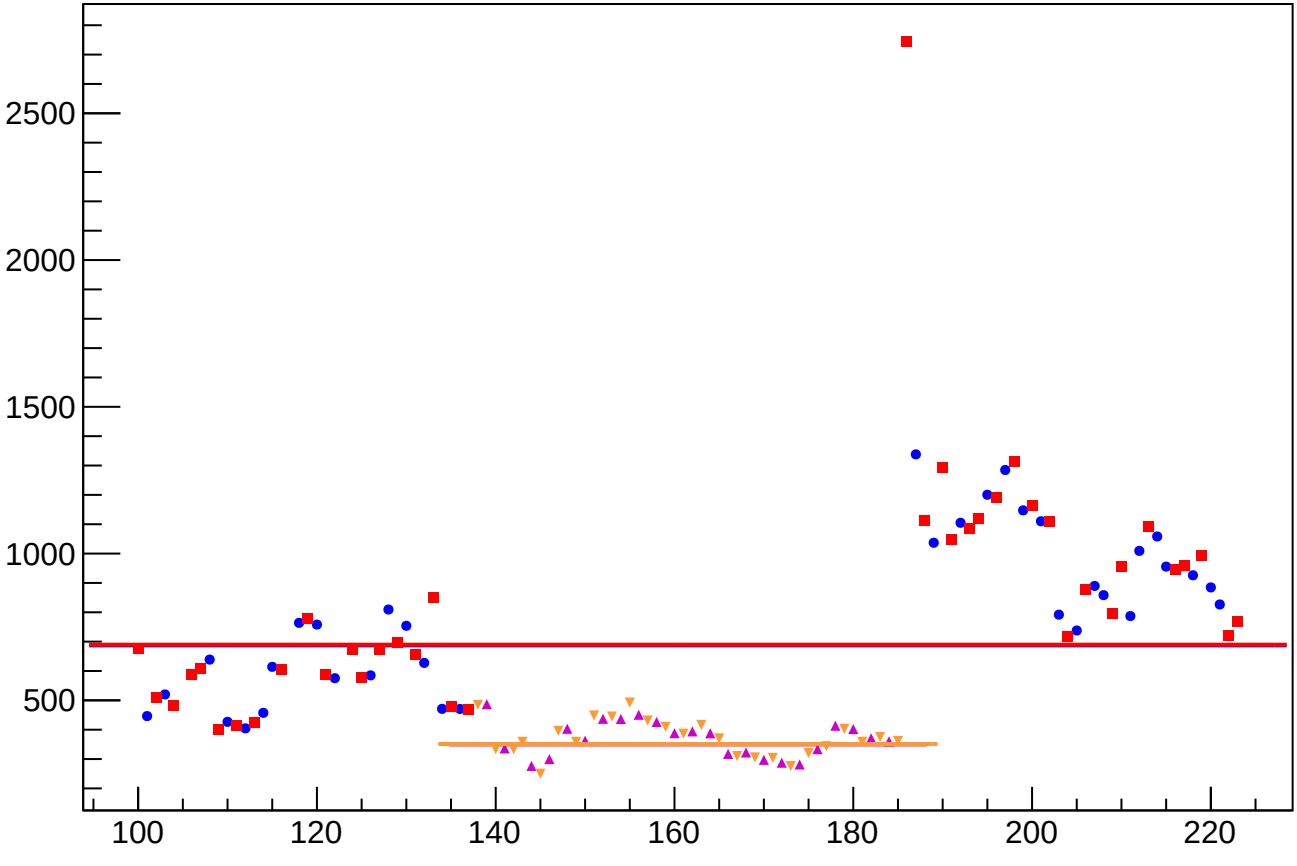
Right: 111.685+/-109.485 χ^2/NDF: 176.8/72

In: -96.896+/-73.263 χ^2/NDF:98.5/56

Out: -132.666+/-71.814 χ^2/NDF:185.0/63

All: -115.138+/-51.285 χ^2/NDF: 283.6/120

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

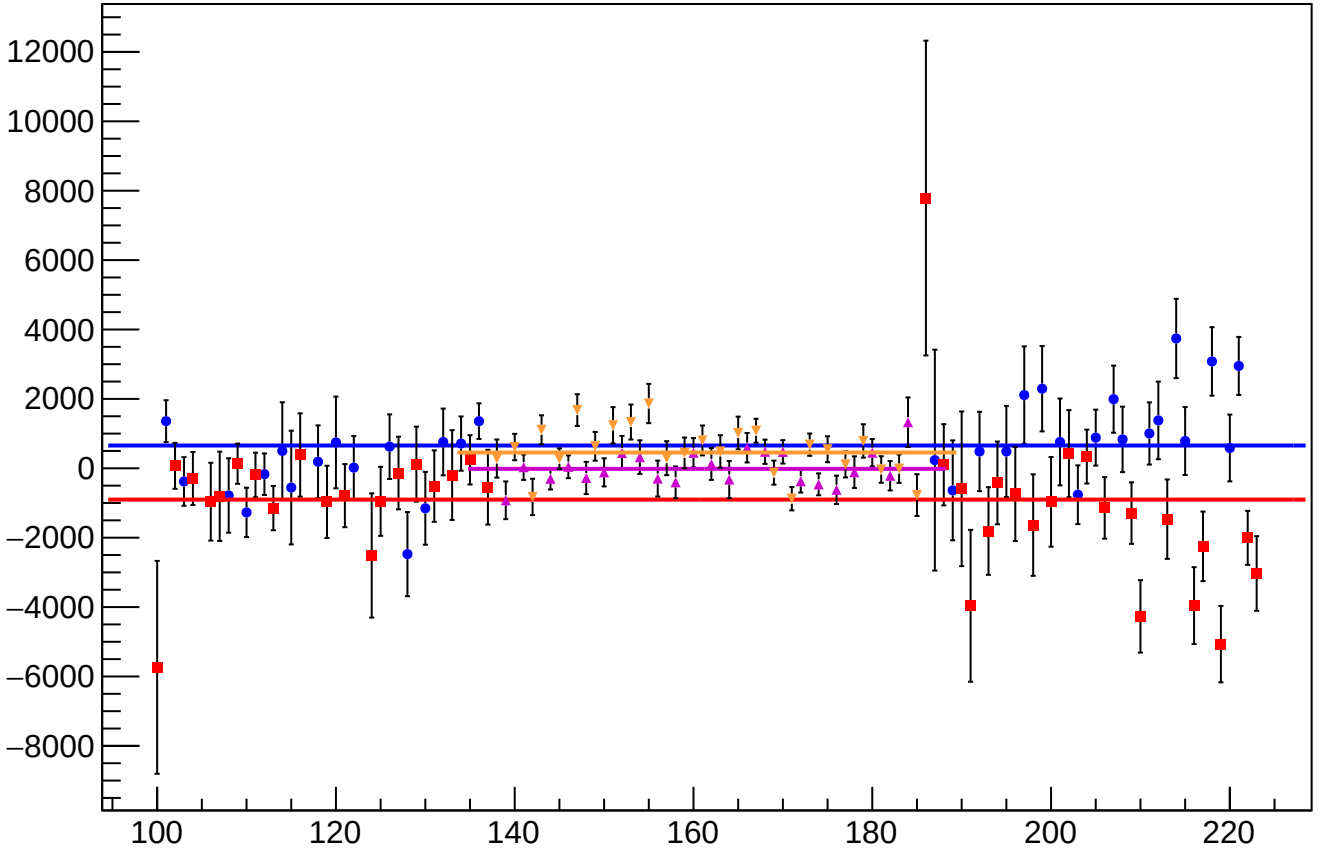
Right: 688.371+/-0.077 χ^2/NDF: 10321892.6/72

In: 424.861+/-0.052 χ^2/NDF:13011926.1/56

Out: 424.501+/-0.051 χ^2/NDF:14281573.8/63

All: 424.677+/-0.036 χ^2/NDF: 27293524.4/12

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

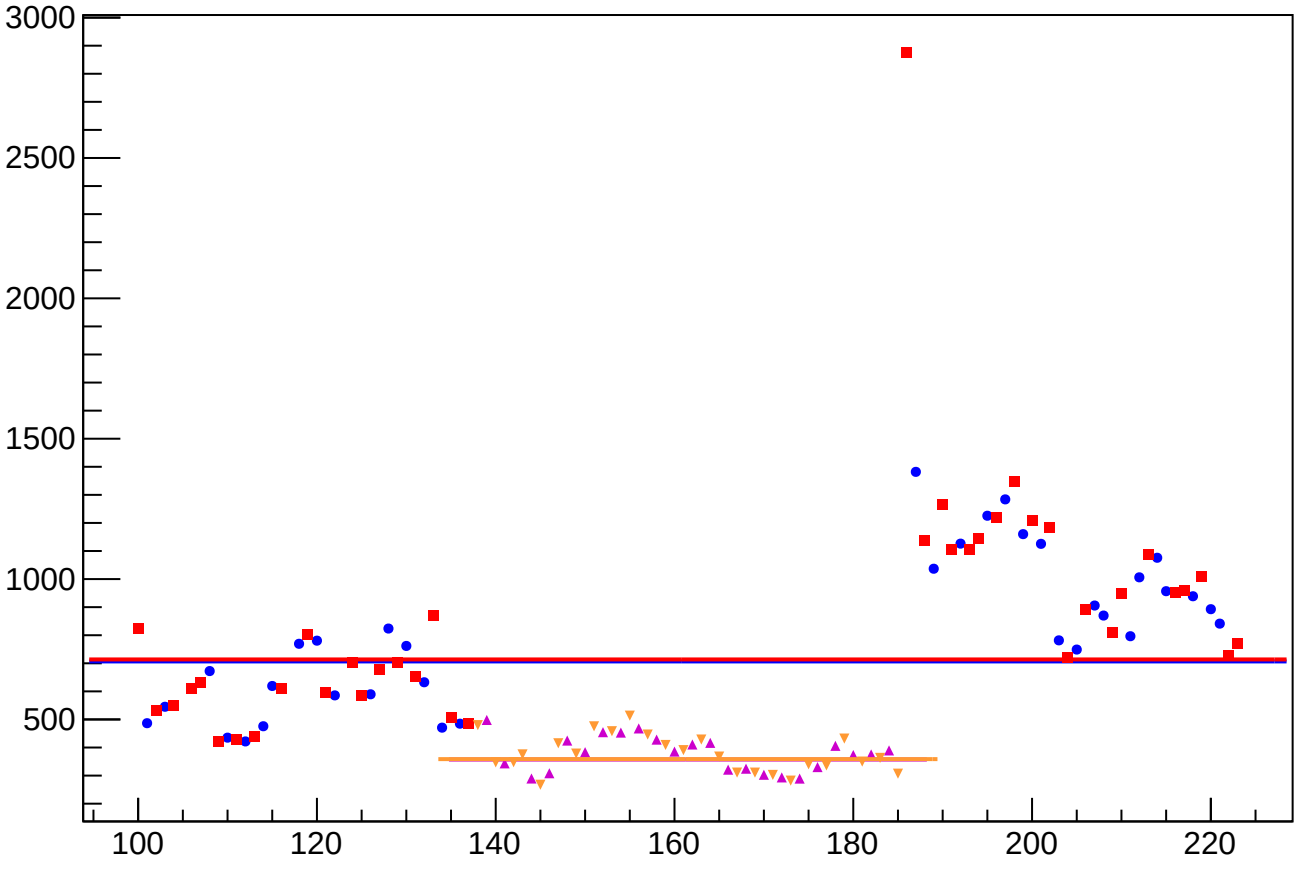
Right: -122.432+/-112.553 χ^2/NDF: 173.2/72

In: 132.747+/-74.860 χ^2/NDF:96.1/56

Out: 165.400+/-73.570 χ^2/NDF:185.9/63

All: 149.357+/-52.472 χ^2/NDF: 282.2/120

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

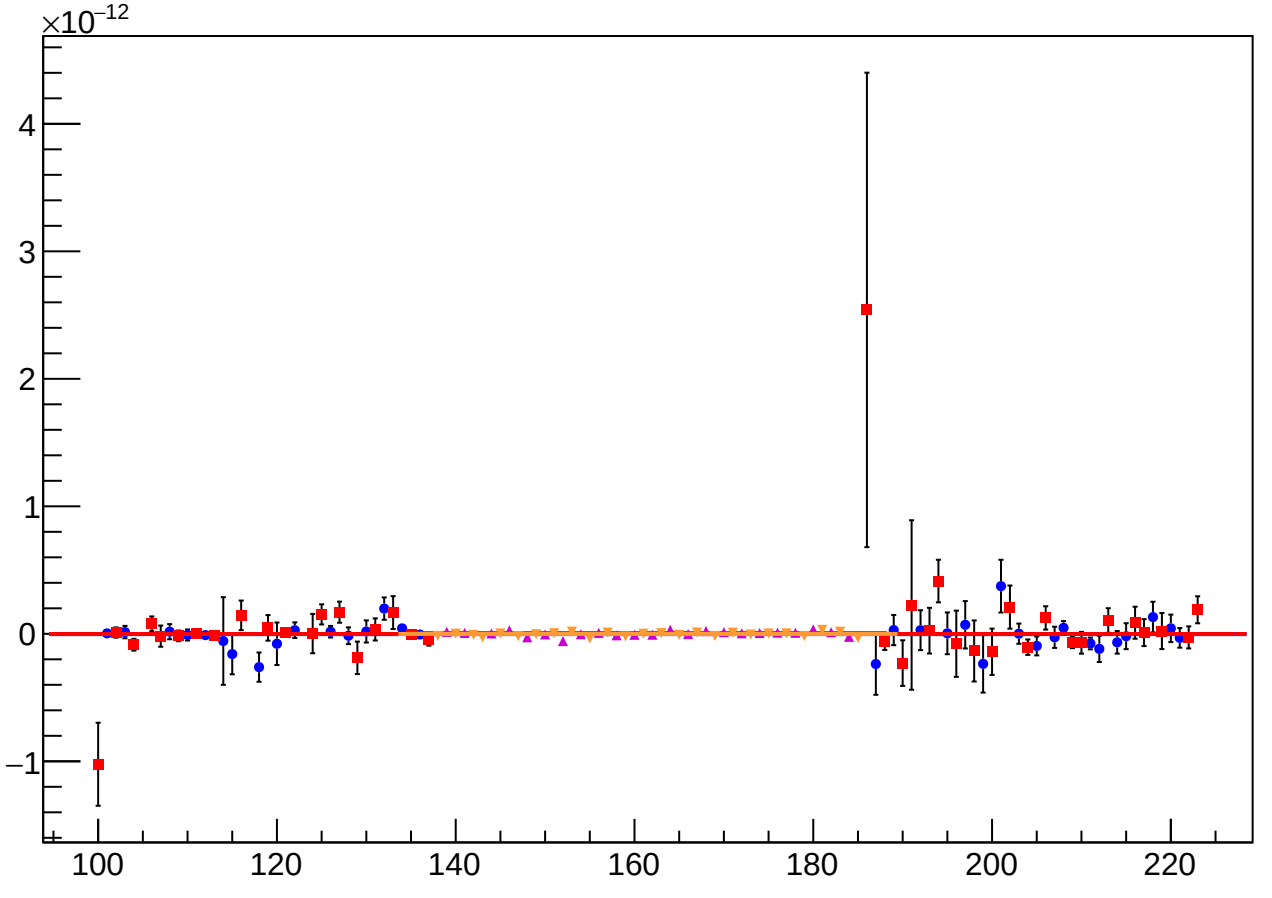
Right: 710.217+/-0.080 χ^2/NDF: 9675974.5/72

In: 434.506+/-0.053 χ^2/NDF:12859680.7/56

Out: 434.513+/-0.052 χ^2/NDF:14251332.0/63

All: 434.510+/-0.037 χ^2/NDF: 27111012.7/12

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

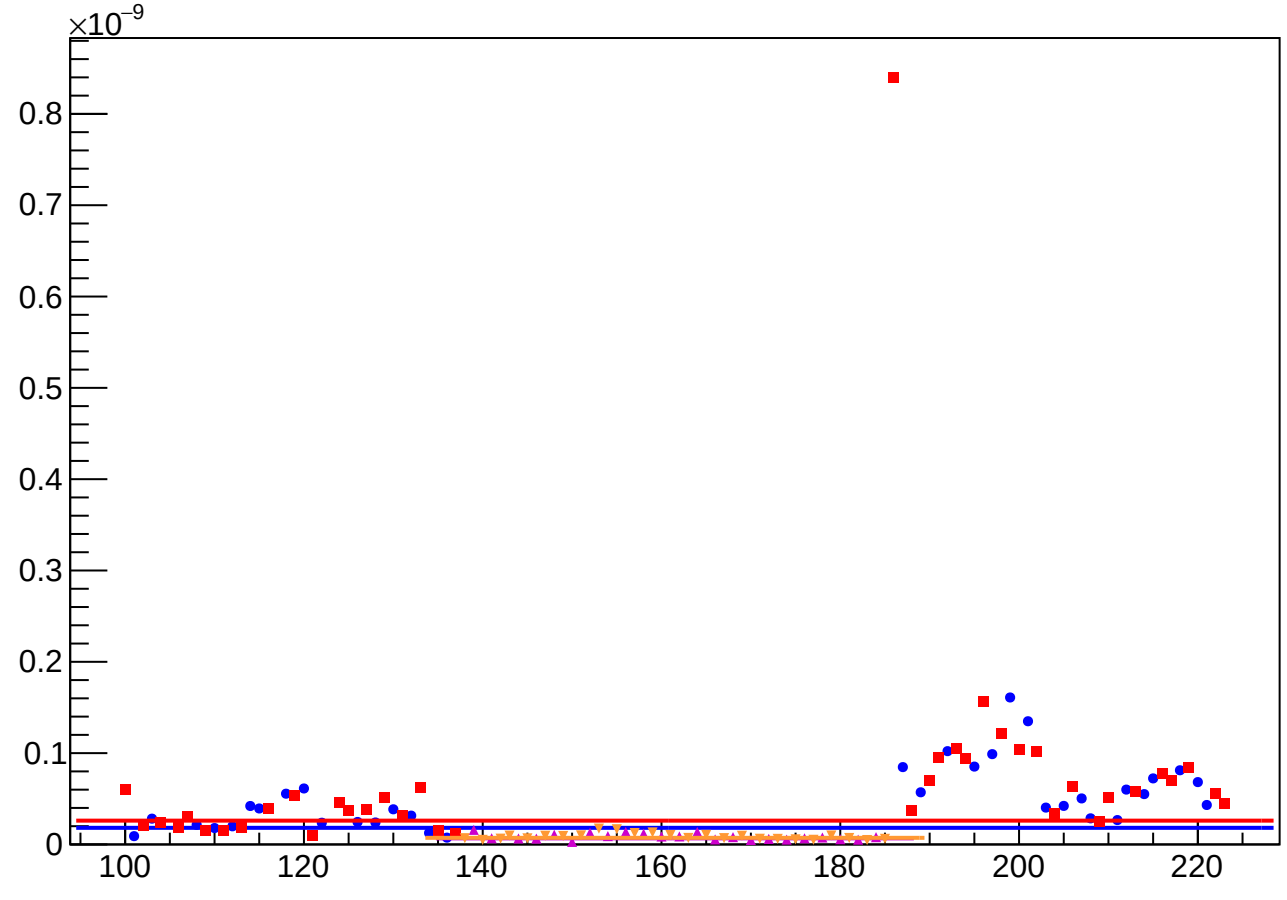
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 83.9/72

In: 0.000+/-0.000 χ^2/NDF:57.1/56

Out: -0.000+/-0.000 χ^2/NDF:74.3/63

All: 0.000+/-0.000 χ^2/NDF: 133.5/120



Right In: 0.000+/-0.000 χ^2/NDF: 8792379.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6989457.3/38

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

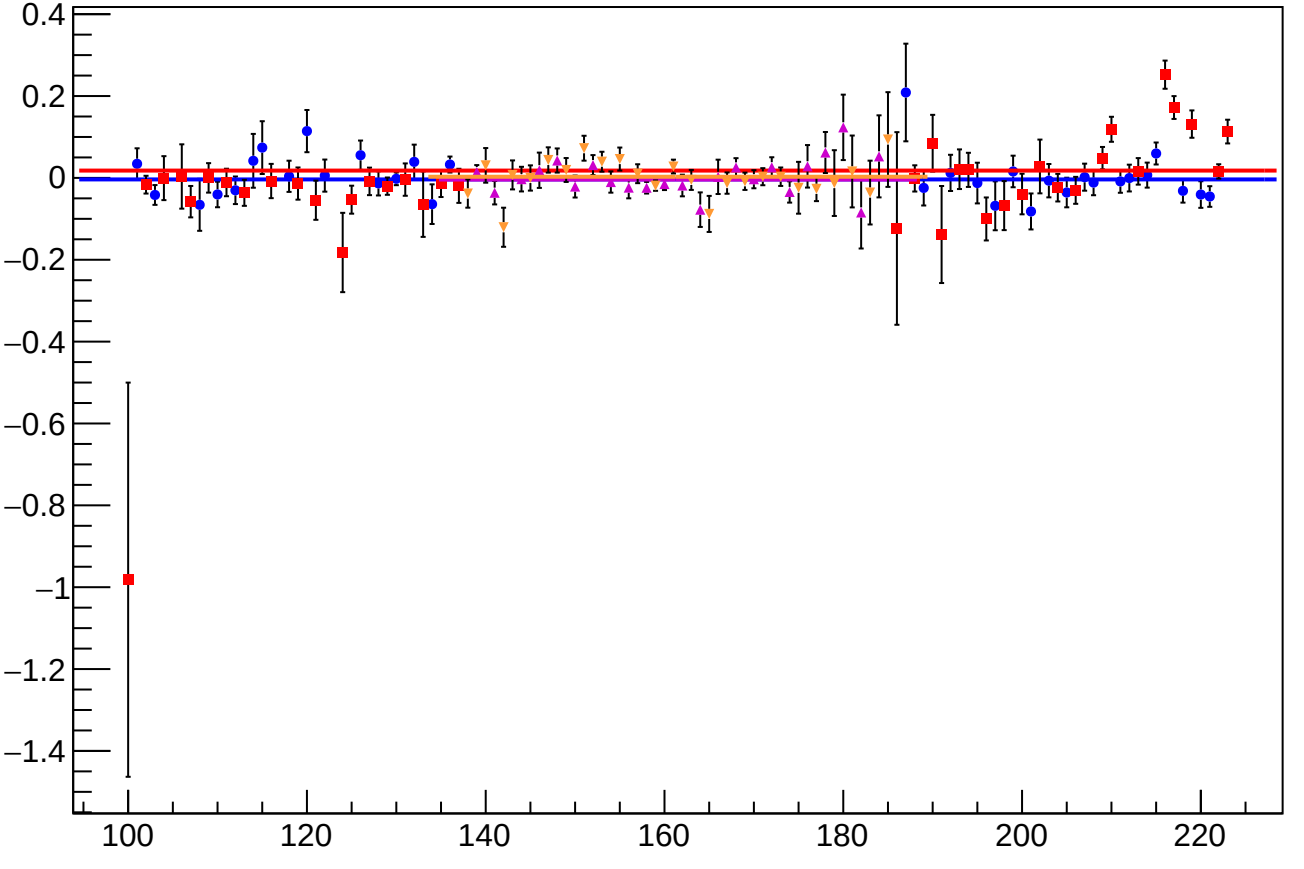
Right: 0.000+/-0.000 χ^2/NDF: 16458063.5/72

In: 0.000+/-0.000 χ^2/NDF:13974191.1/56

Out: 0.000+/-0.000 χ^2/NDF:14243906.3/63

All: 0.000+/-0.000 χ^2/NDF: 28278159.2/120

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

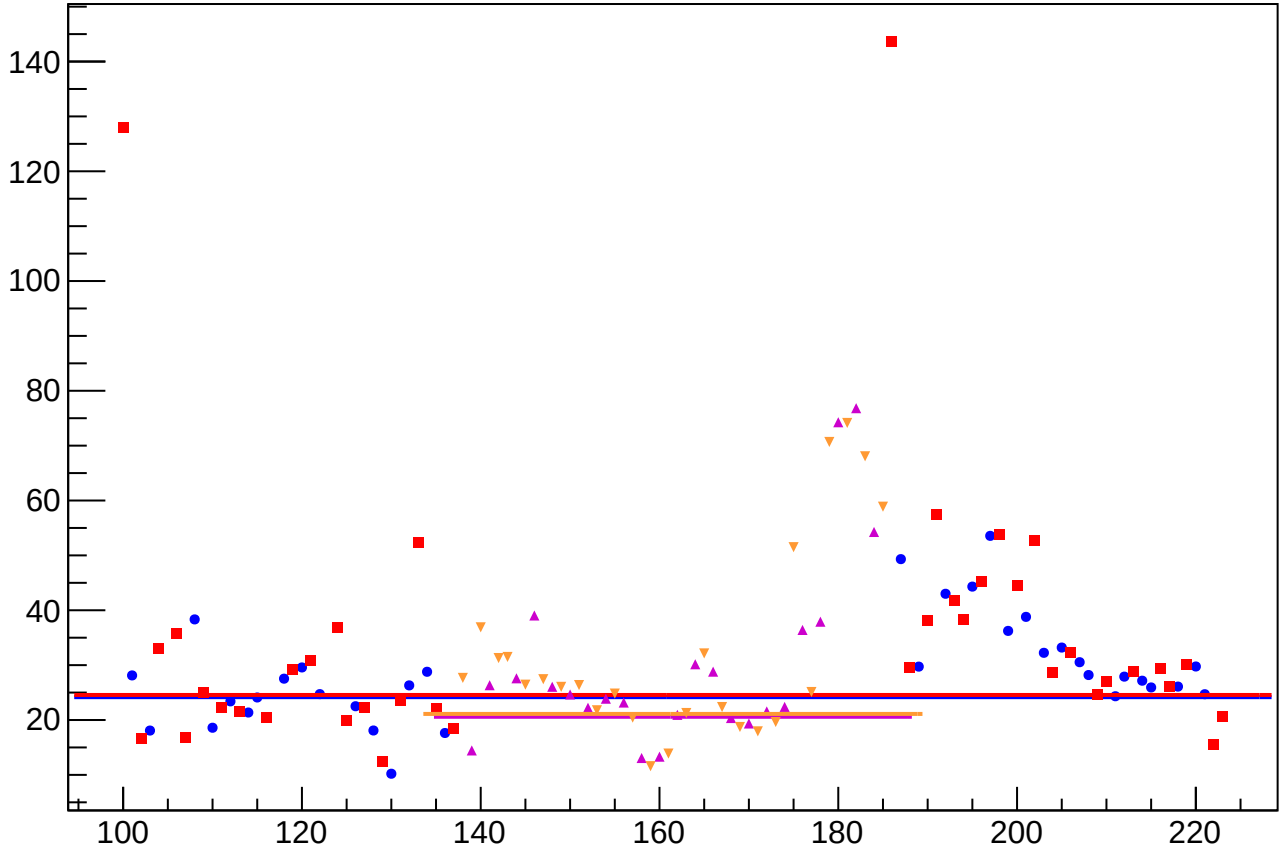
Right: 0.007+/-0.004 χ^2/NDF: 210.2/72

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.010+/-0.004 χ^2/NDF:197.1/63

All: 0.003+/-0.003 χ^2/NDF: 270.2/120

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

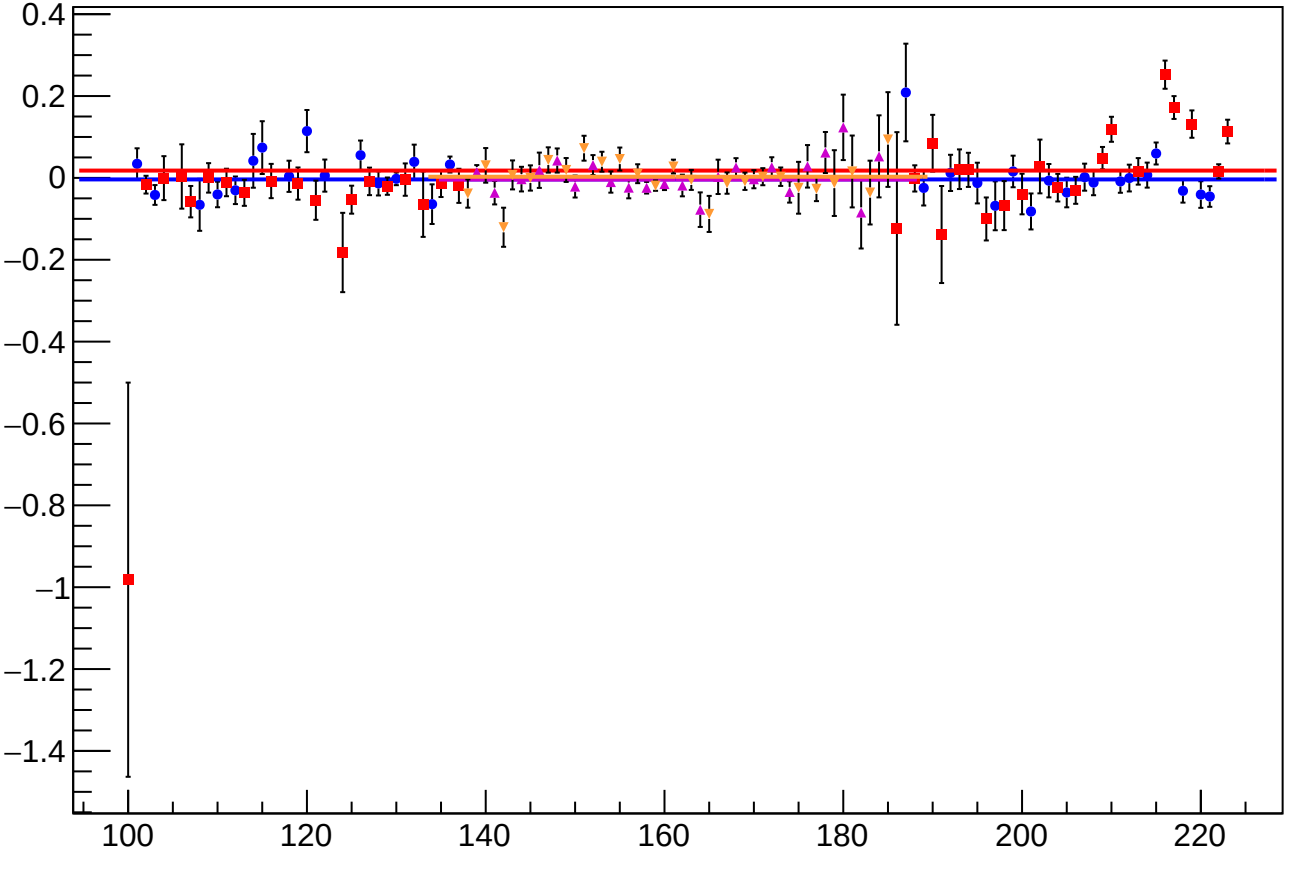
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.361+/-0.003 χ^2/NDF: 9740121.2/72

In: 22.304+/-0.003 χ^2/NDF:9462247.9/56

Out: 22.744+/-0.003 χ^2/NDF:11213421.2/63

All: 22.522+/-0.002 χ^2/NDF: 20688128.4/120



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

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

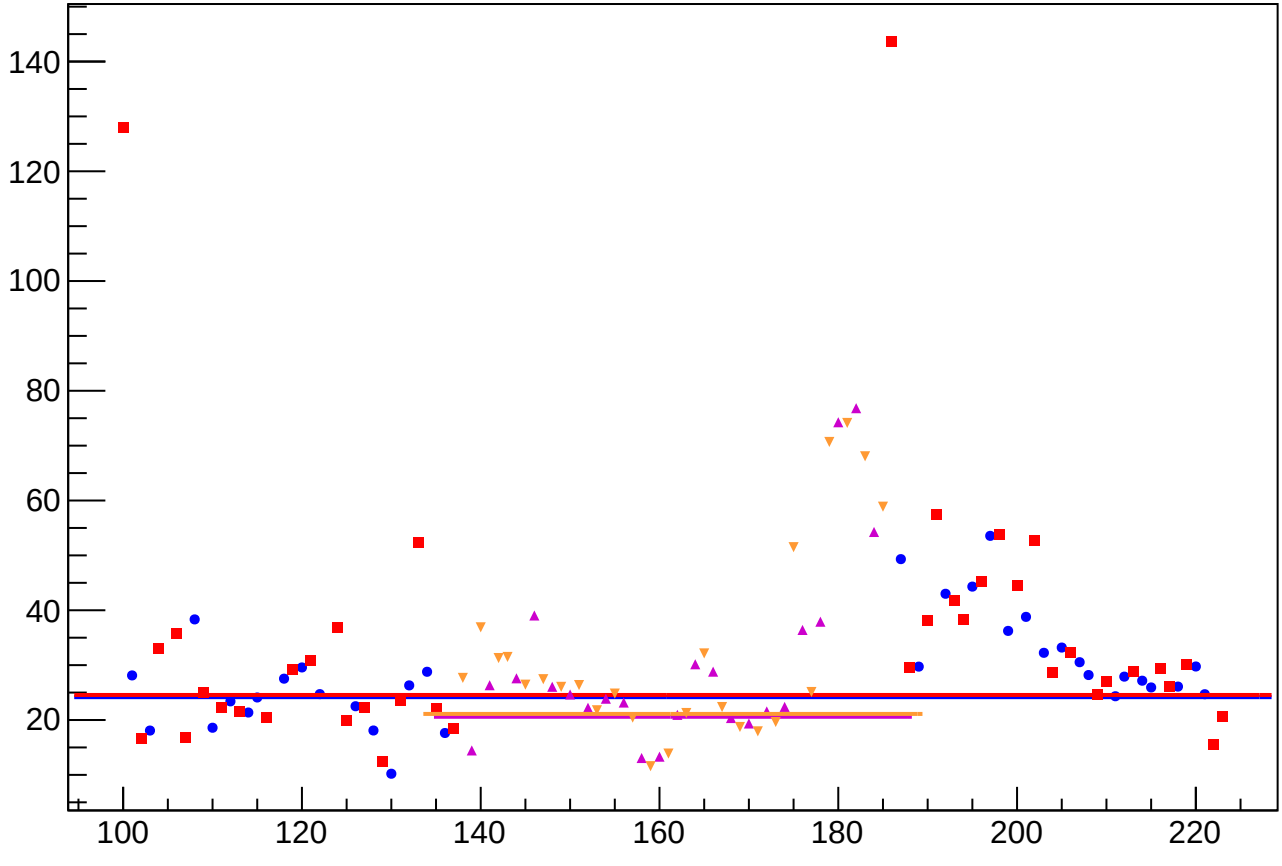
Right: 0.007+/-0.004 χ^2/NDF: 210.2/72

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.010+/-0.004 χ^2/NDF:197.1/63

All: 0.003+/-0.003 χ^2/NDF: 270.2/120

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

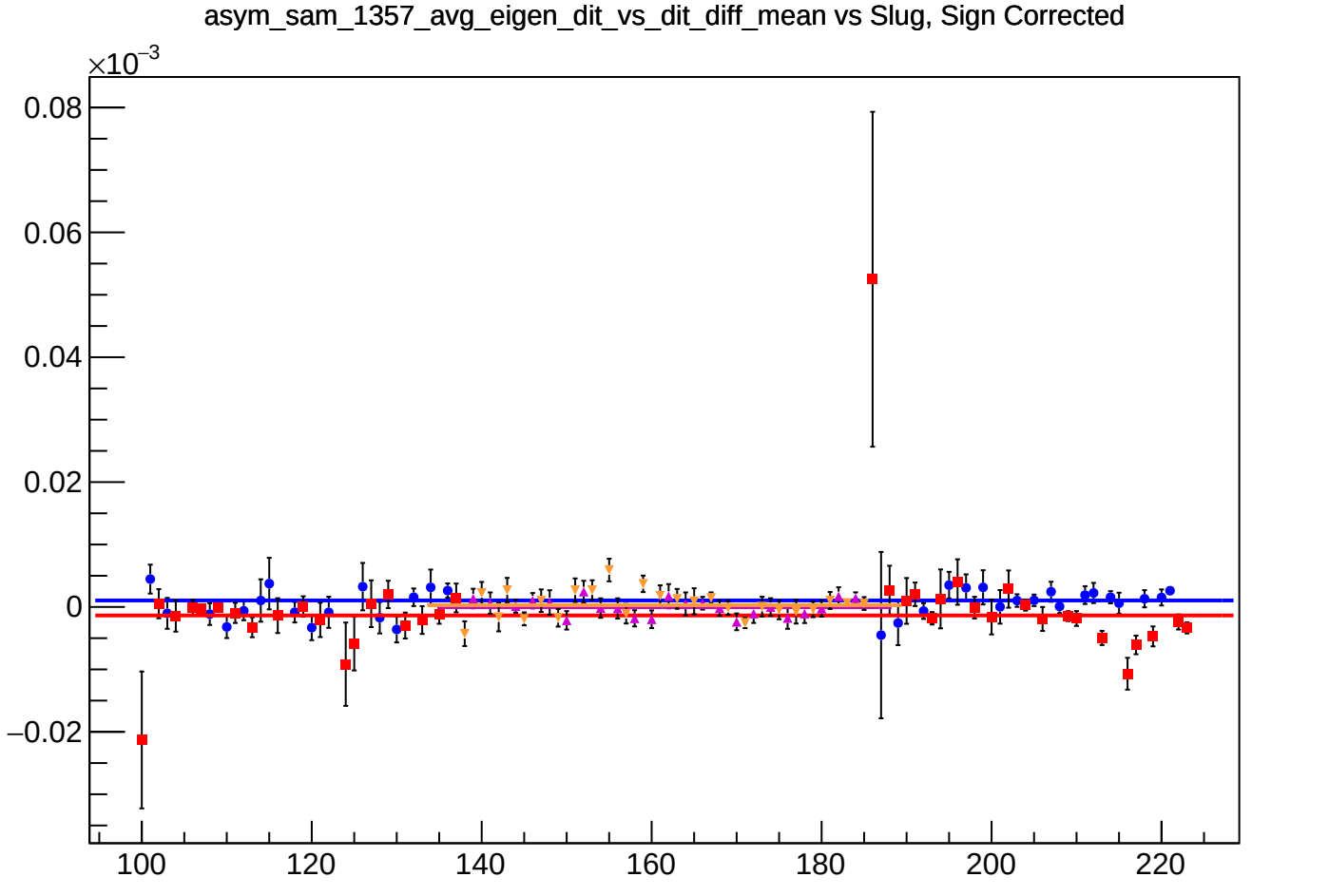
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.361+/-0.003 χ^2/NDF: 9740121.2/72

In: 22.304+/-0.003 χ^2/NDF:9462247.9/56

Out: 22.744+/-0.003 χ^2/NDF:11213421.2/63

All: 22.522+/-0.002 χ^2/NDF: 20688128.4/120



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

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

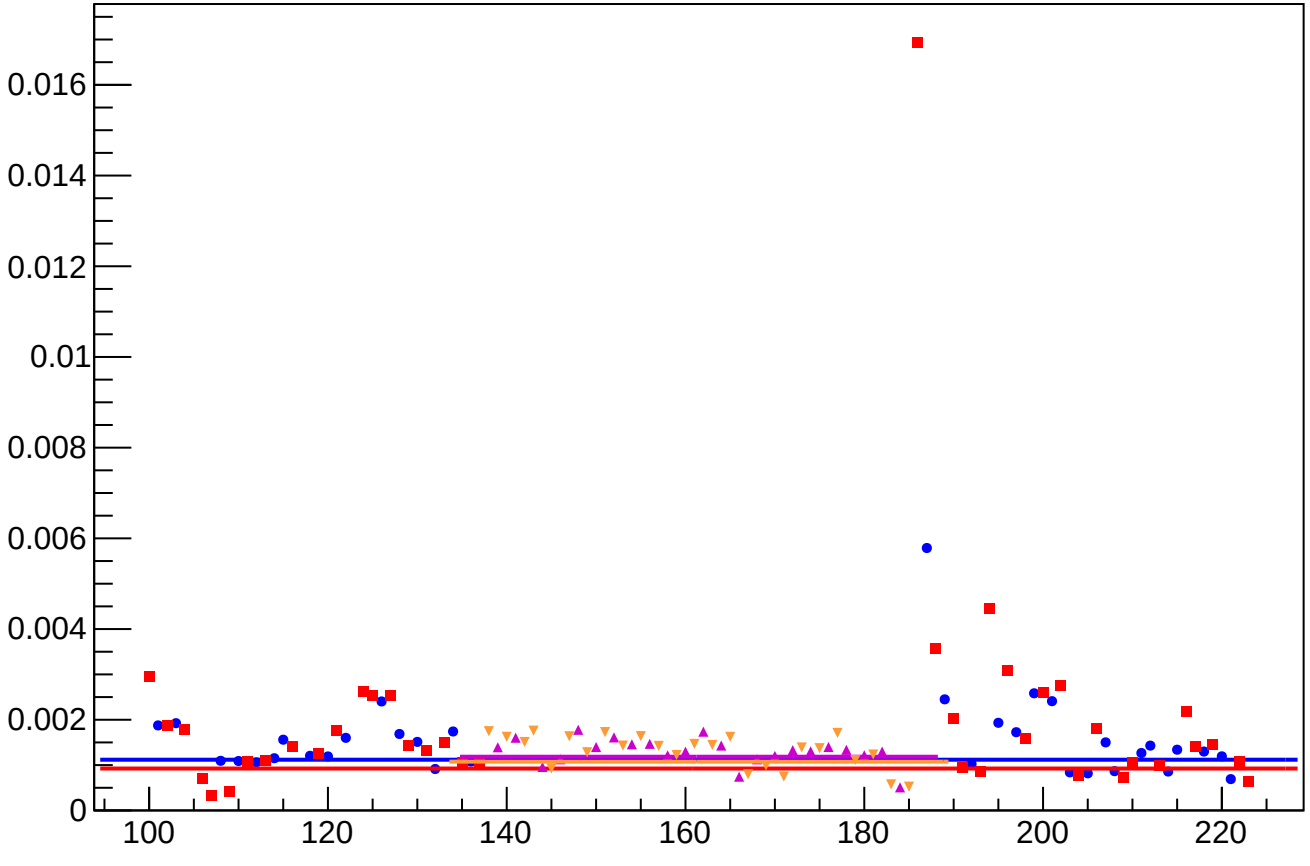
Right: -0.000+/-0.000 χ^2/NDF: 170.1/72

In: 0.000+/-0.000 χ^2/NDF:68.1/56

Out: -0.000+/-0.000 χ^2/NDF:157.3/63

All: -0.000+/-0.000 χ^2/NDF: 246.1/120

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

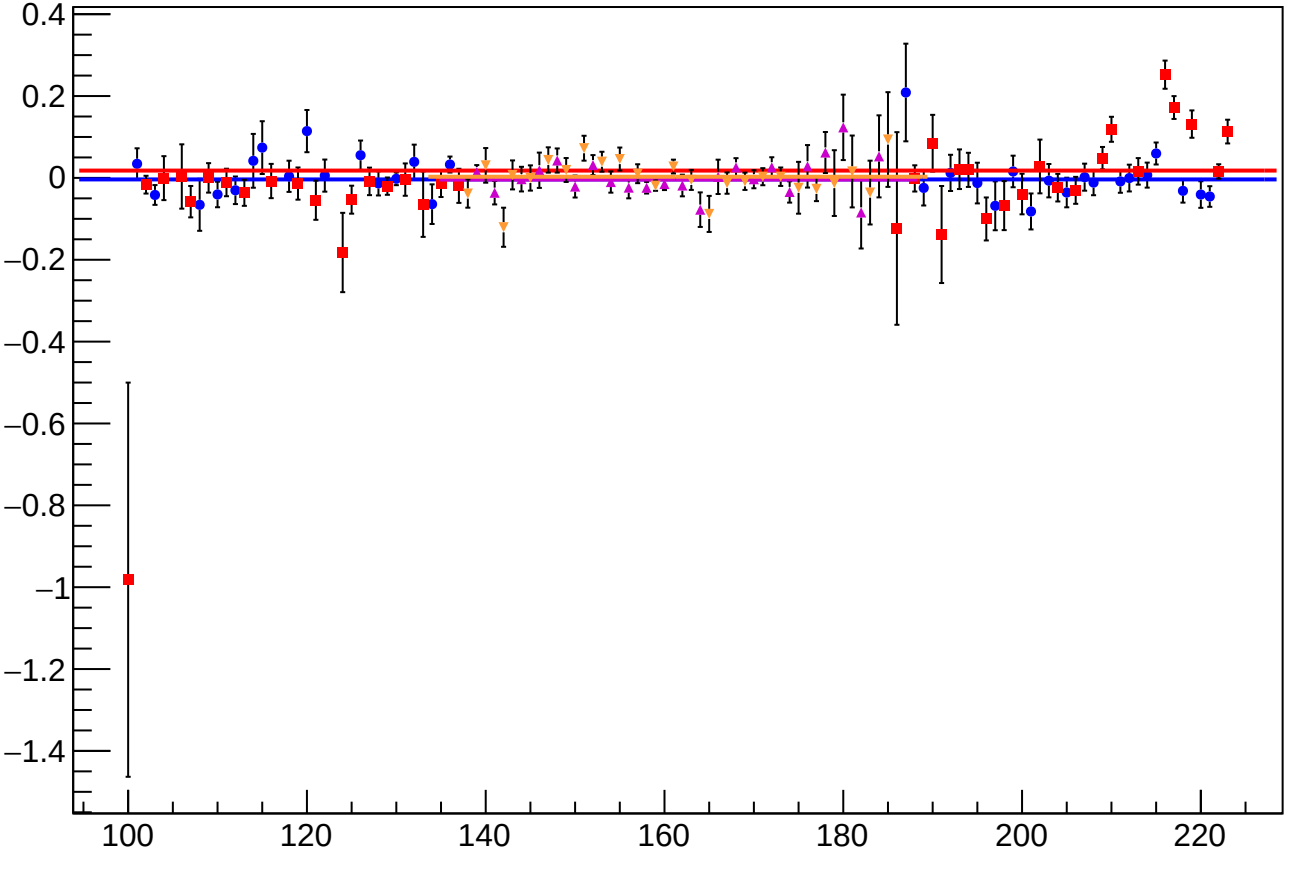
Right: 0.001+/-0.000 χ^2/NDF: 17650208.2/72

In: 0.001+/-0.000 χ^2/NDF:7192049.3/56

Out: 0.001+/-0.000 χ^2/NDF:17282000.6/63

All: 0.001+/-0.000 χ^2/NDF: 25199862.5/120

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

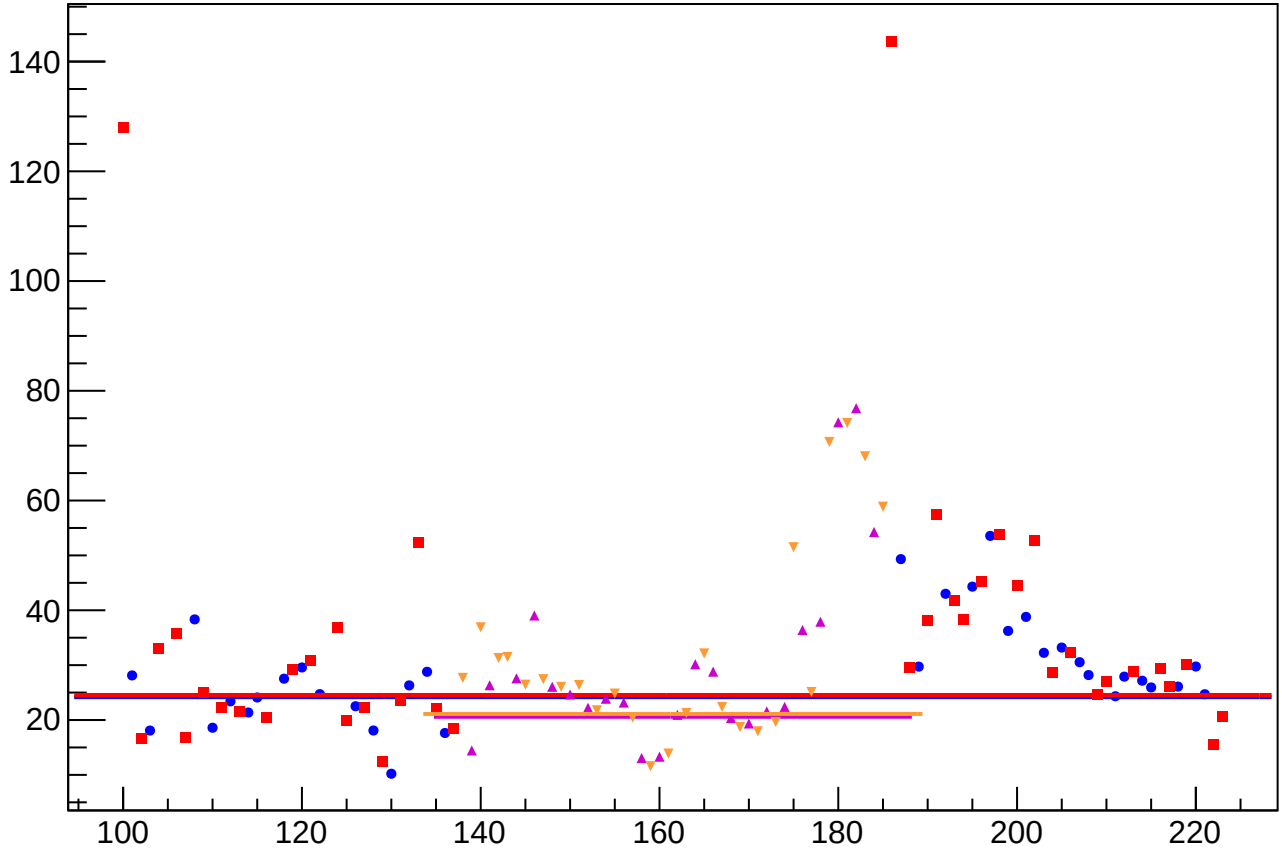
Right: 0.007+/-0.004 χ^2/NDF: 210.2/72

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.010+/-0.004 χ^2/NDF:197.1/63

All: 0.003+/-0.003 χ^2/NDF: 270.2/120

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

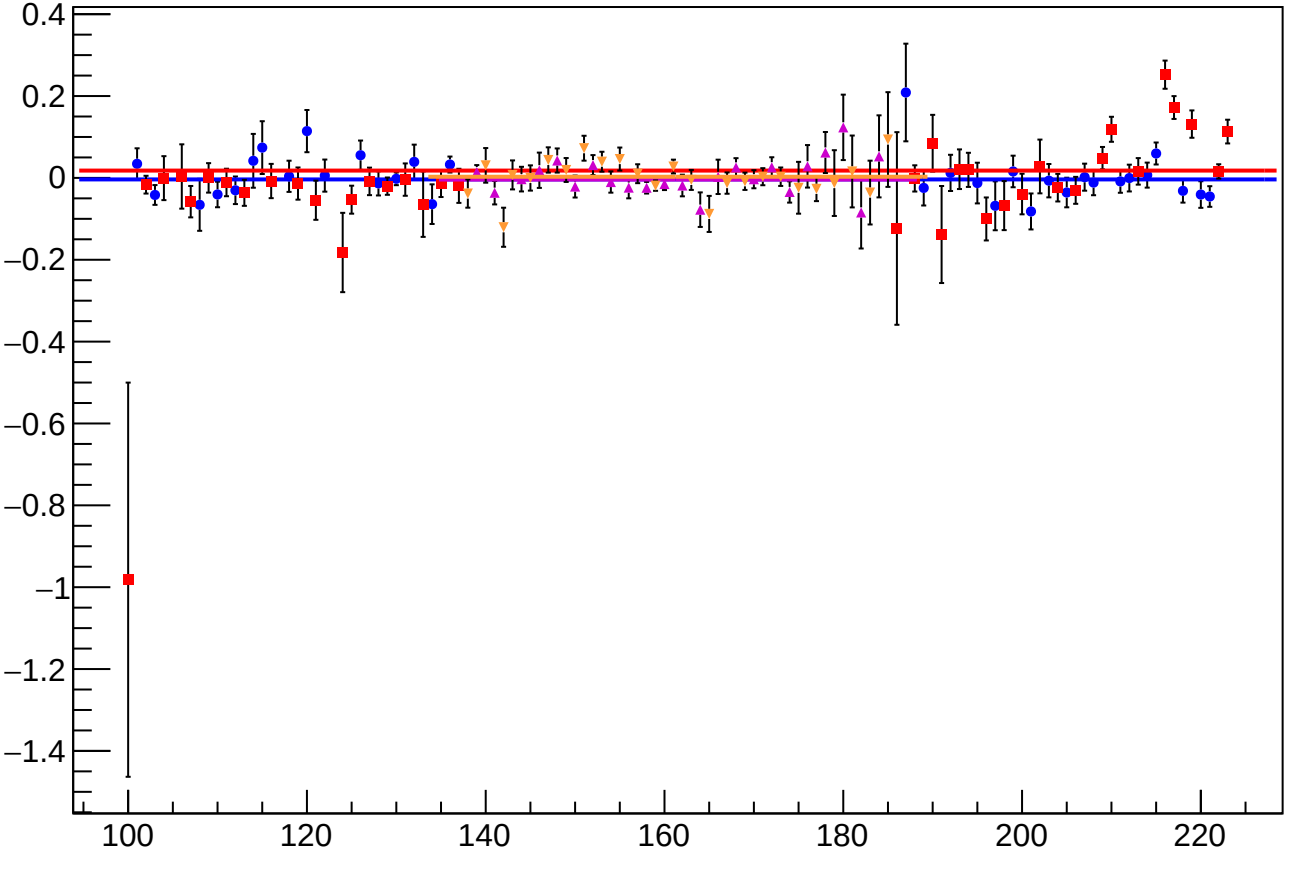
Right: 24.361+/-0.003 χ^2/NDF: 9739786.1/72

In: 22.305+/-0.003 χ^2/NDF:9461933.8/56

Out: 22.744+/-0.003 χ^2/NDF:11213538.5/63

All: 22.522+/-0.002 χ^2/NDF: 20687919.3/120

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

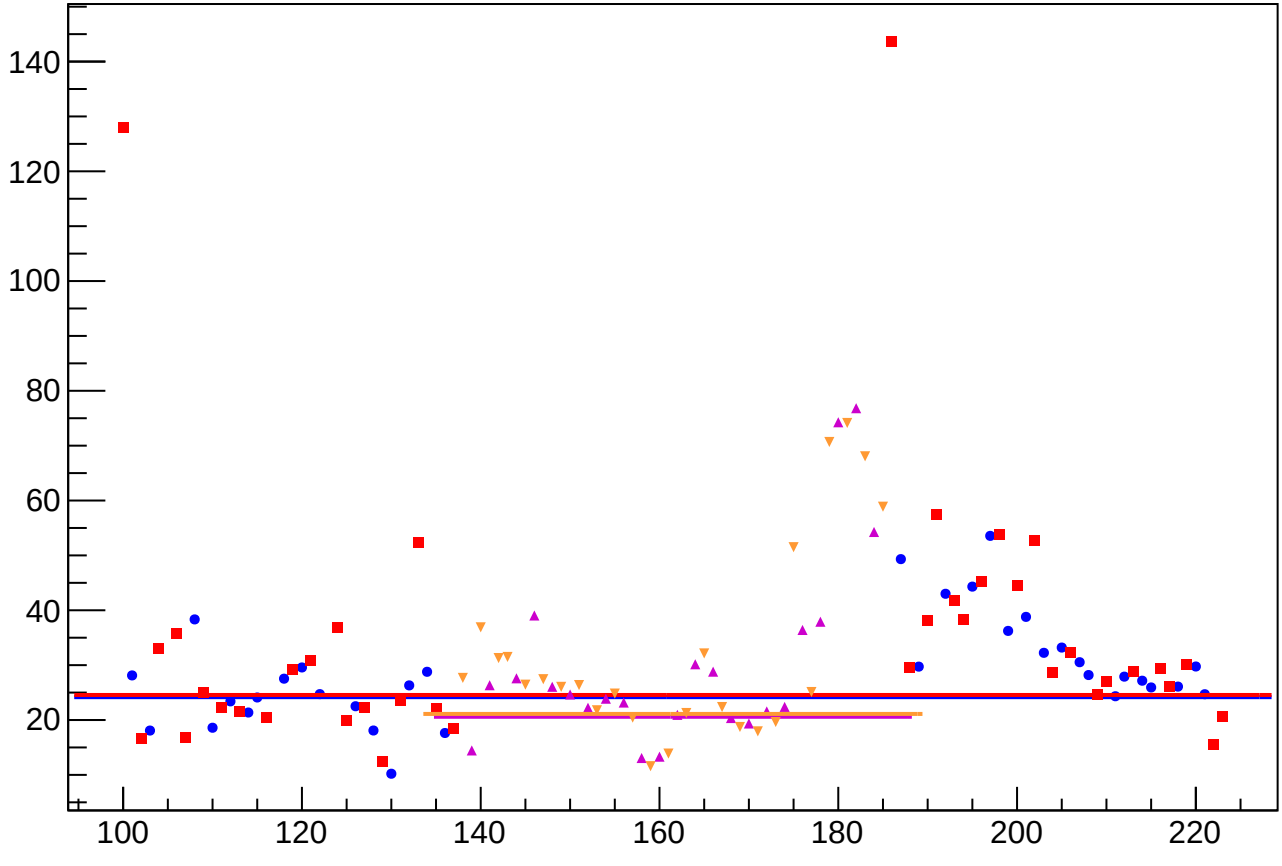
Right: 0.007+/-0.004 χ^2/NDF: 210.2/72

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.010+/-0.004 χ^2/NDF:197.1/63

All: 0.003+/-0.003 χ^2/NDF: 270.2/120

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

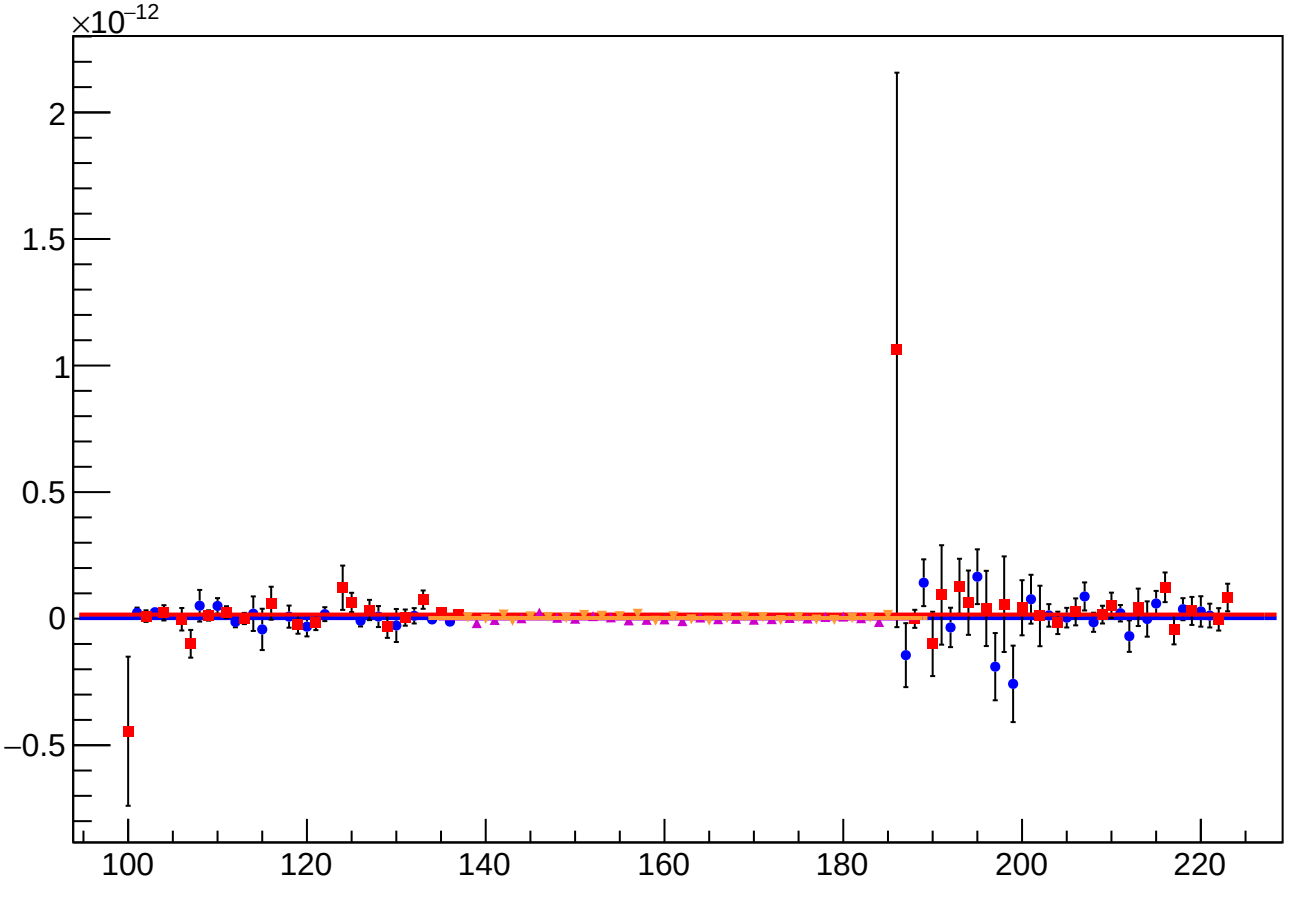
Right: 24.361+/-0.003 χ^2/NDF: 9739786.1/72

In: 22.305+/-0.003 χ^2/NDF:9461933.8/56

Out: 22.744+/-0.003 χ^2/NDF:11213538.5/63

All: 22.522+/-0.002 χ^2/NDF: 20687919.3/120

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

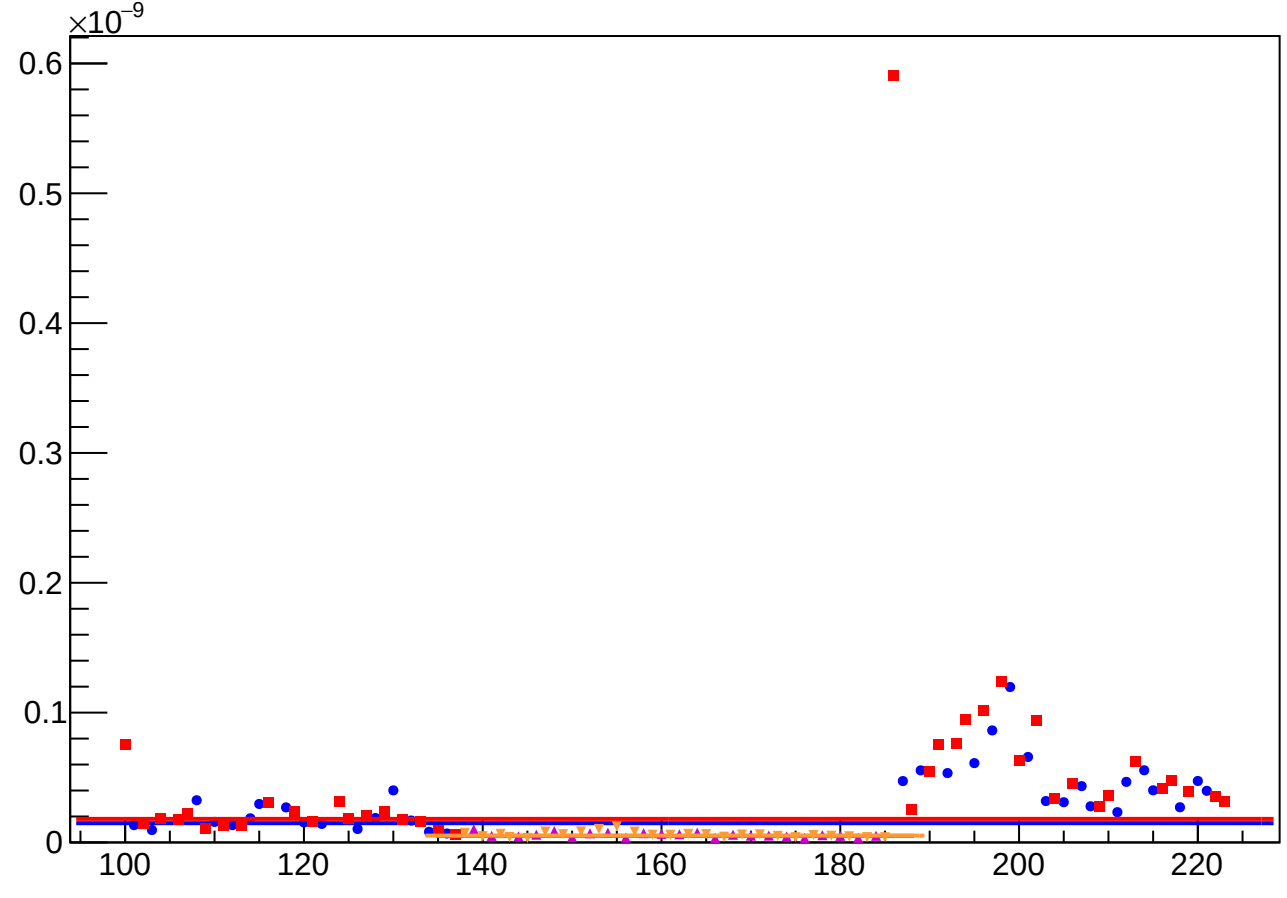
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 60.7/72

In: 0.000+/-0.000 χ^2/NDF:50.4/56

Out: 0.000+/-0.000 χ^2/NDF:54.1/63

All: 0.000+/-0.000 χ^2/NDF: 106.1/120



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

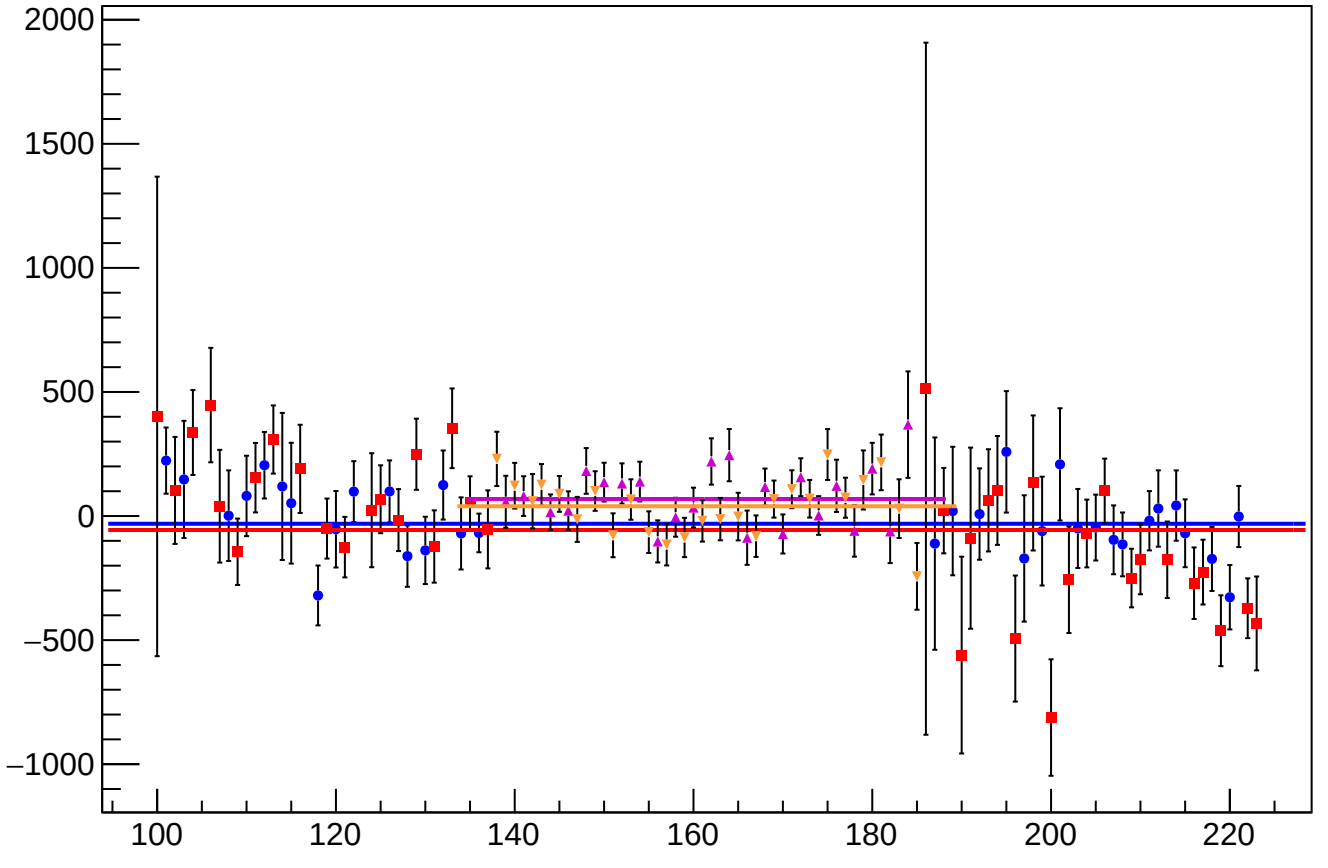
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21828740.3/72

In: 0.000+/-0.000 χ^2/NDF:19256980.5/56

Out: 0.000+/-0.000 χ^2/NDF:21485649.0/63

All: 0.000+/-0.000 χ^2/NDF: 40760395.4/120



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

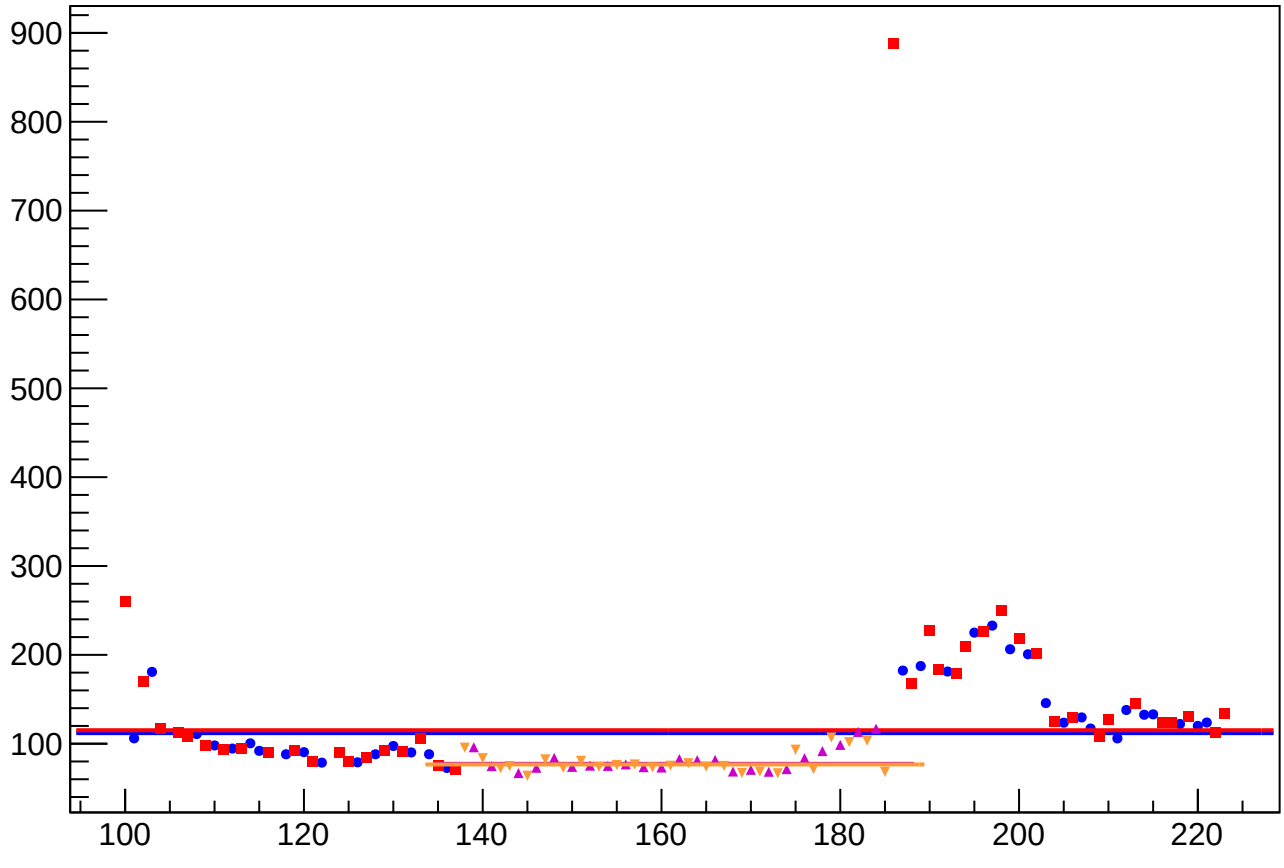
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -43.409+/-17.973 χ^2/NDF: 112.7/72

In: 34.032+/-14.804 χ^2/NDF:69.3/56

Out: 8.765+/-14.560 χ^2/NDF:123.6/63

All: 21.188+/-10.380 χ^2/NDF: 194.4/120



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

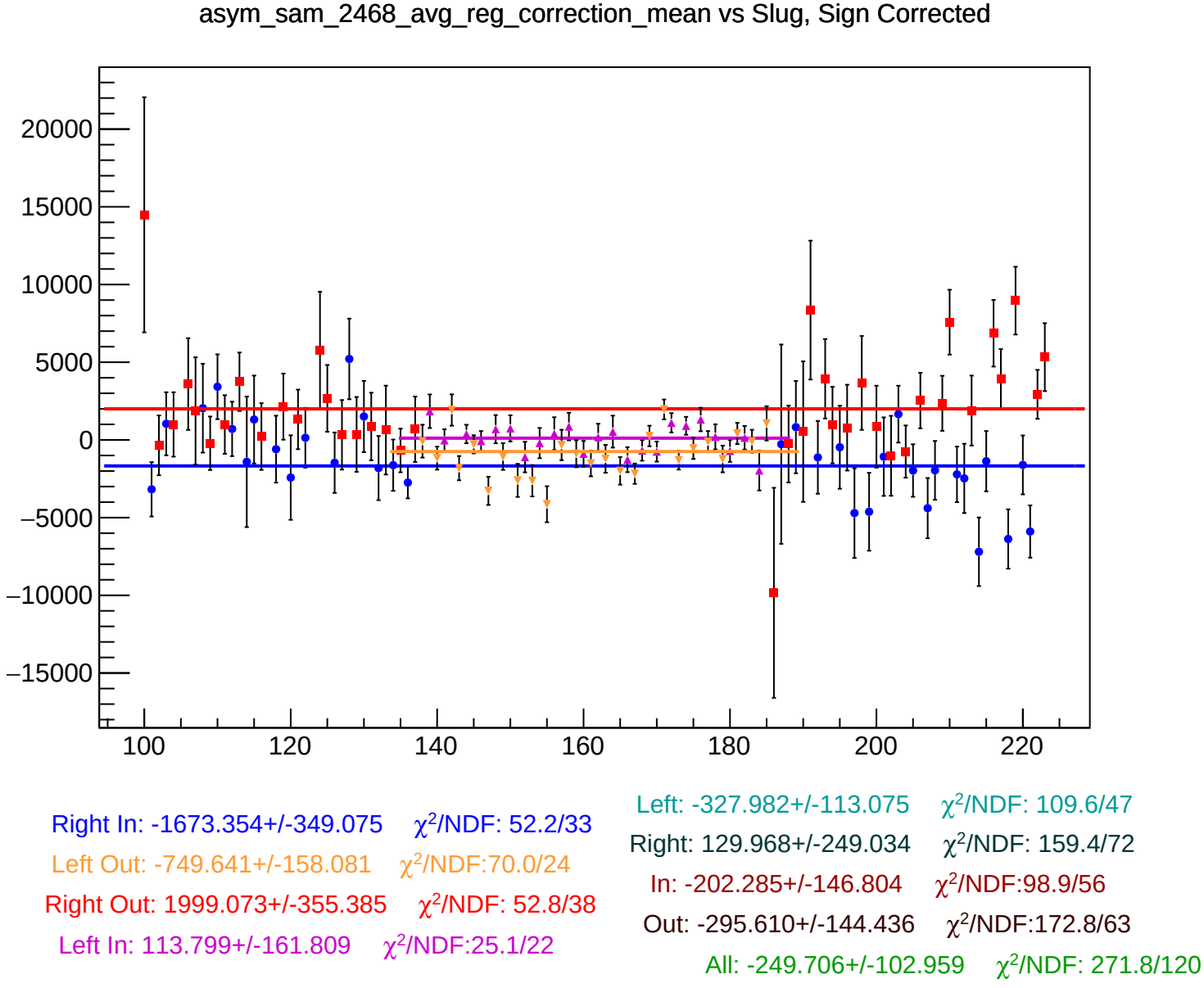
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

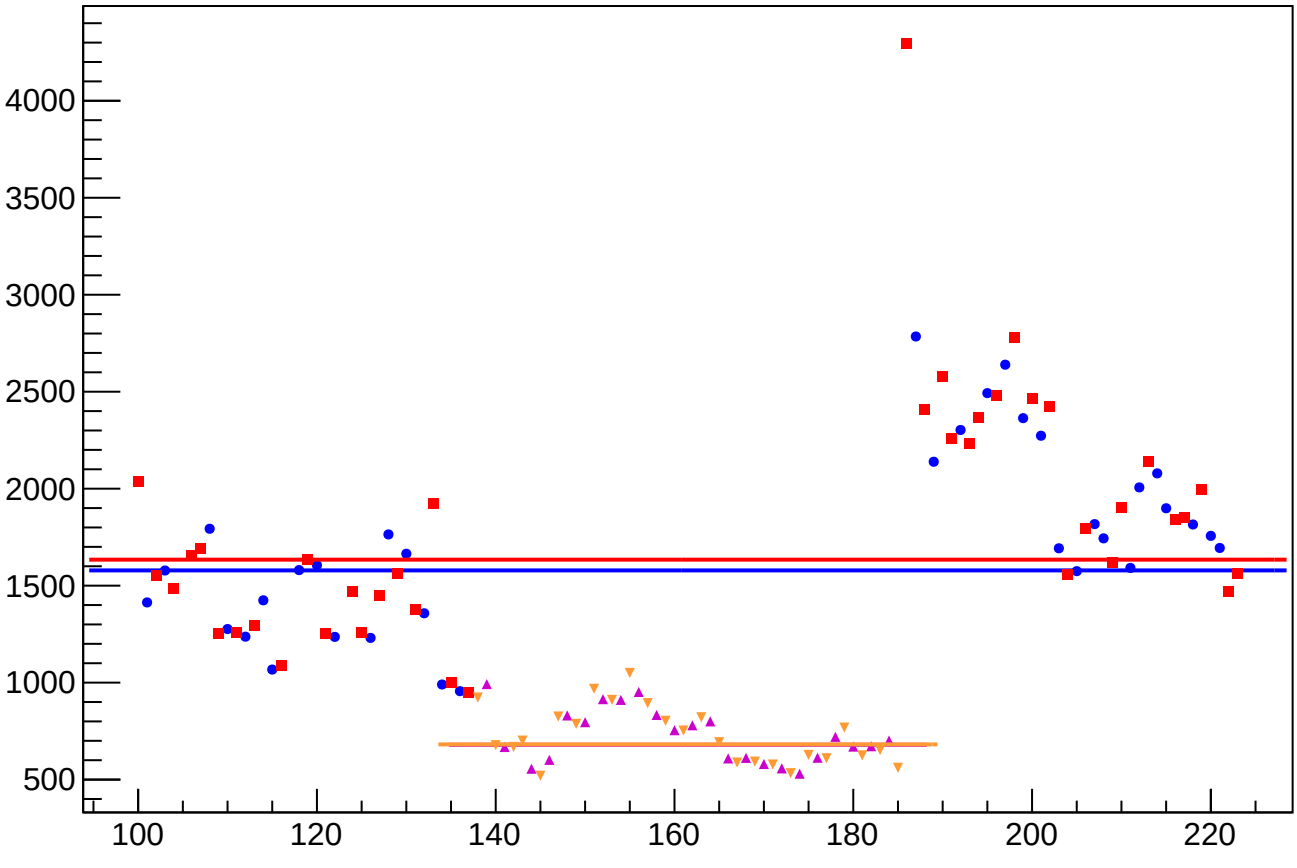
Right: 113.505+/-0.013 χ^2/NDF: 8550220.4/72

In: 89.333+/-0.010 χ^2/NDF:6802765.0/56

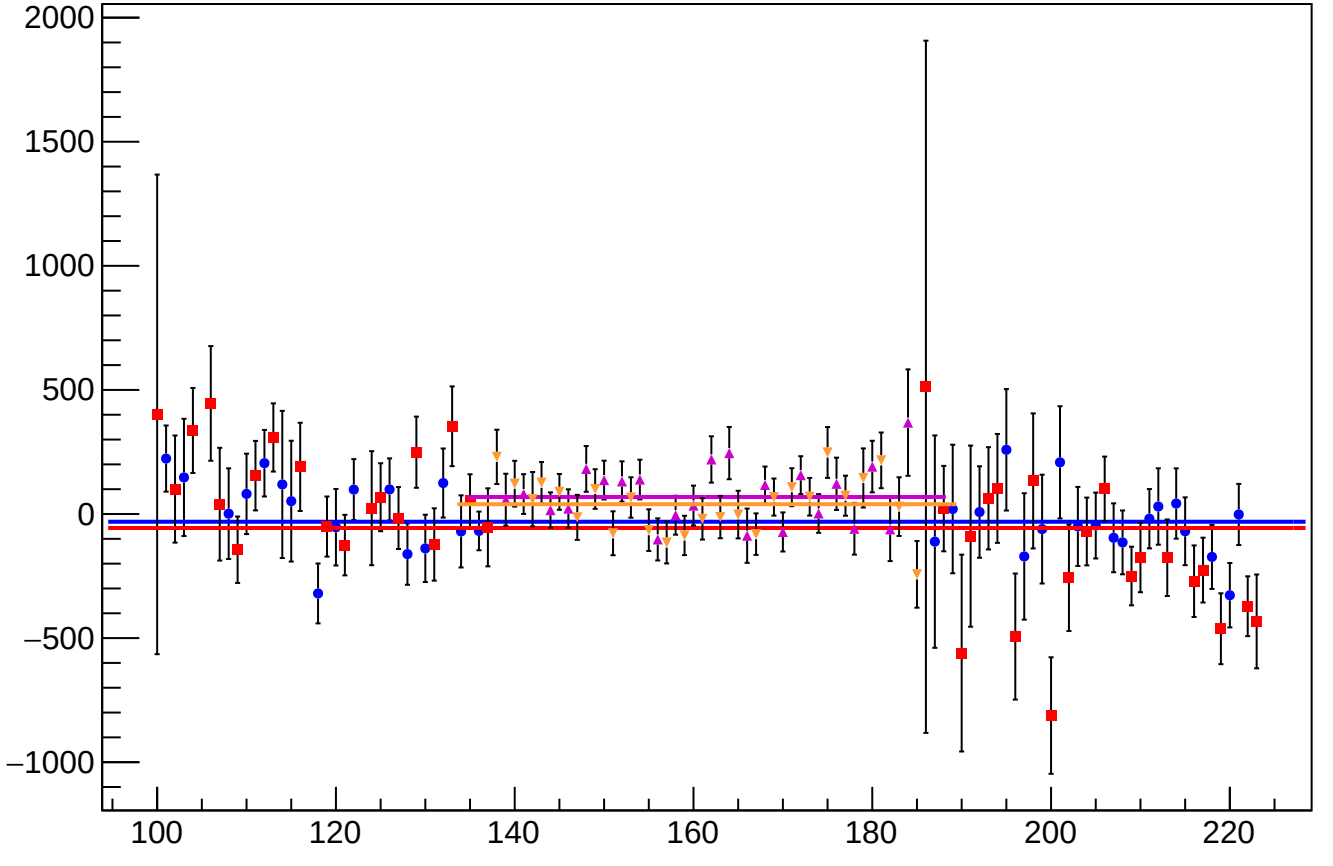
Out: 89.006+/-0.010 χ^2/NDF:8496645.0/63

All: 89.167+/-0.007 χ^2/NDF: 15299904.3/120


asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1673.354+/-349.075 χ²/NDF: 52.2/33
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 1999.073+/-355.385 χ²/NDF: 52.8/38
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 129.968+/-249.034 χ²/NDF: 159.4/72
In: -202.285+/-146.804 χ²/NDF:98.9/56
Out: -295.610+/-144.436 χ²/NDF:172.8/63
All: -249.706+/-102.959 χ²/NDF: 271.8/120


asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1578.630+/-0.247 χ²/NDF: 2912687.6/33
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1634.019+/-0.251 χ²/NDF: 3278871.8/38
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1605.828+/-0.176 χ²/NDF: 6216286.1/72
In: 838.453+/-0.104 χ²/NDF:15022236.3/56
Out: 838.775+/-0.102 χ²/NDF:16609188.2/63
All: 838.617+/-0.073 χ²/NDF: 31631429.4/12

cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

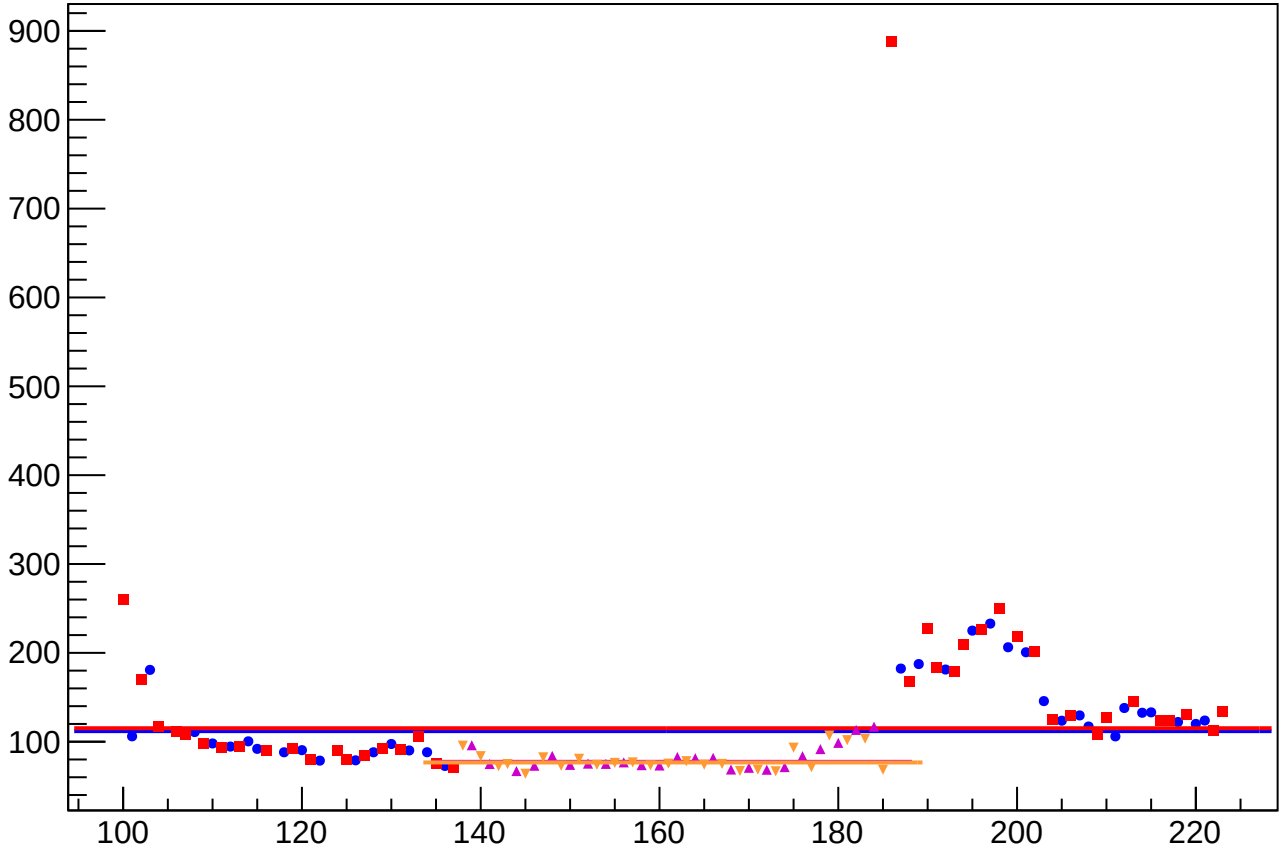
Right: -43.453+/-17.973 χ^2/NDF: 112.6/72

In: 34.029+/-14.804 χ^2/NDF:69.3/56

Out: 8.745+/-14.560 χ^2/NDF:123.5/63

All: 21.177+/-10.381 χ^2/NDF: 194.3/120

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

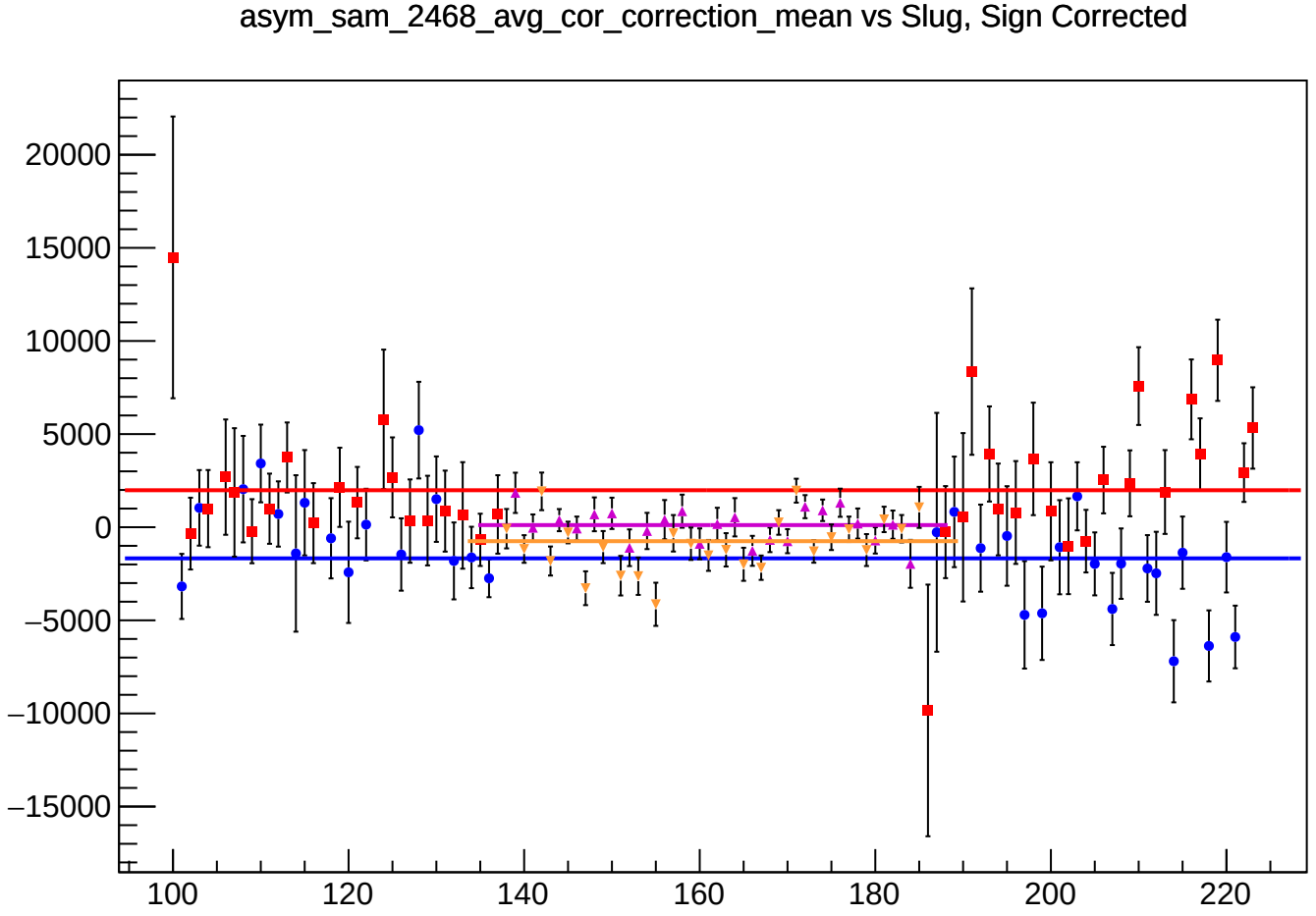
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 113.497+/-0.013 χ^2/NDF: 8550607.4/72

In: 89.333+/-0.010 χ^2/NDF:6802768.6/56

Out: 89.001+/-0.010 χ^2/NDF:8494549.2/63

All: 89.164+/-0.007 χ^2/NDF: 15297829.2/120



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

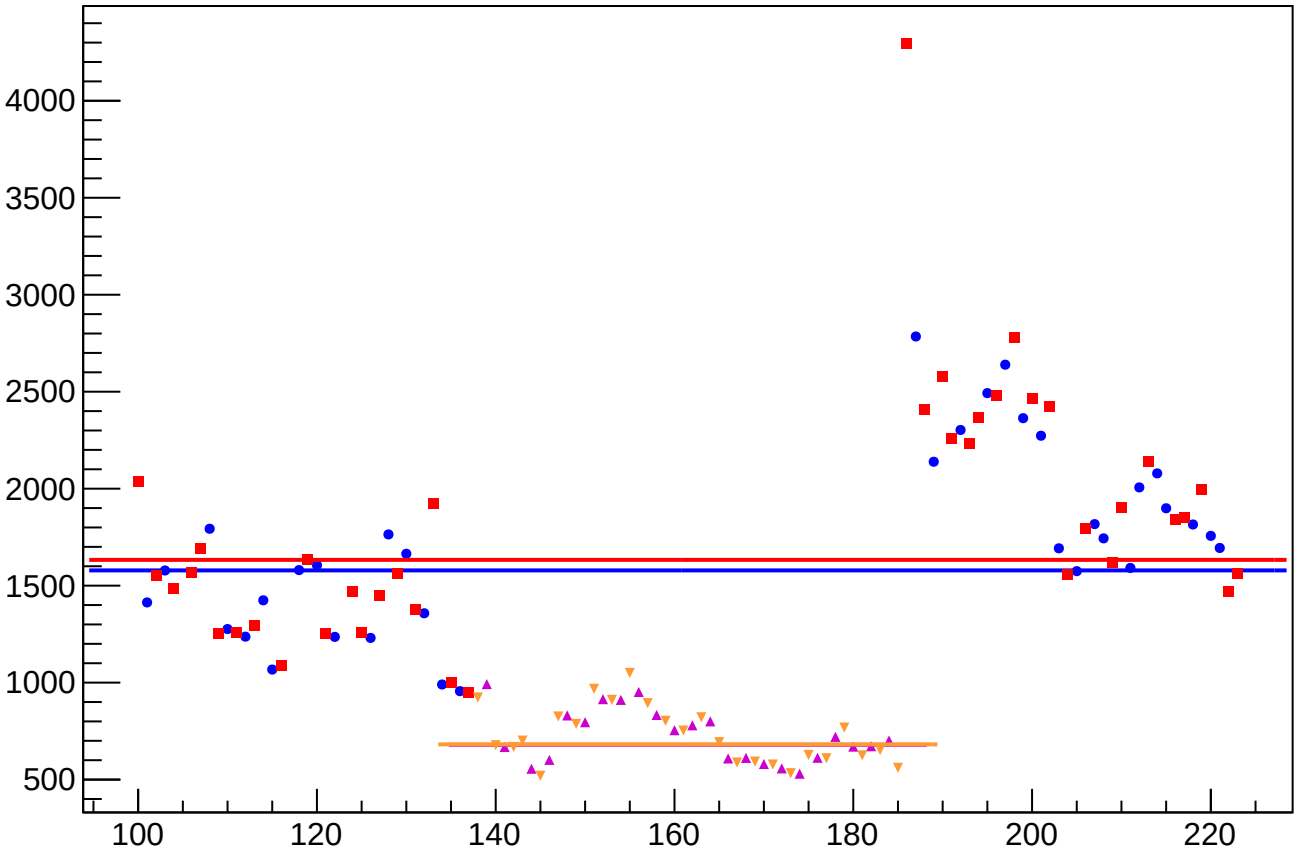
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 121.976+/-249.118 χ^2/NDF: 158.7/72

In: -202.281+/-146.804 χ^2/NDF:98.9/56

Out: -298.391+/-144.453 χ^2/NDF:171.9/63

All: -251.112+/-102.965 χ^2/NDF: 271.0/120



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

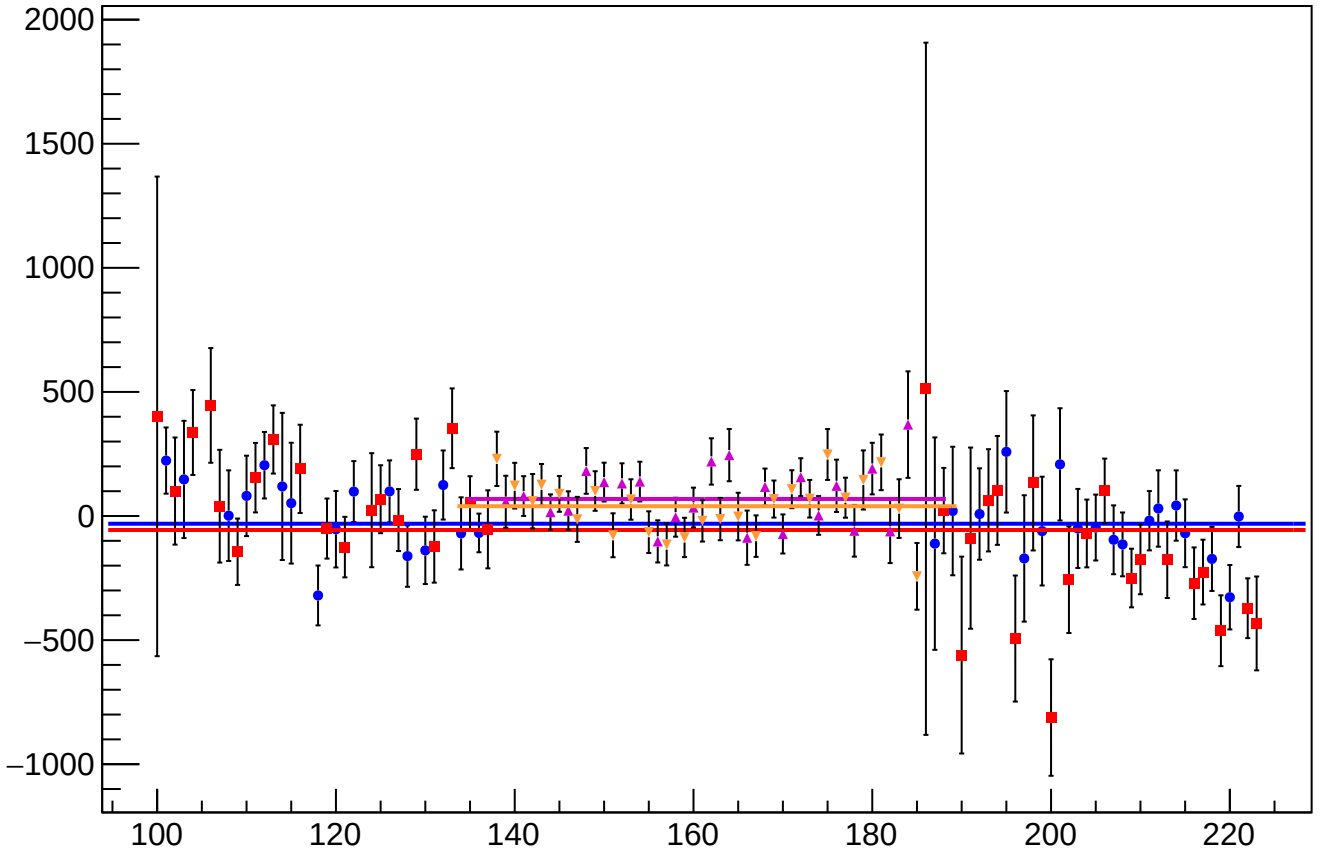
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1605.256+/-0.176 χ^2/NDF: 6215946.7/72

In: 838.453+/-0.104 χ^2/NDF:15022270.6/56

Out: 838.408+/-0.102 χ^2/NDF:16567683.0/63

All: 838.430+/-0.073 χ^2/NDF: 31589953.7/12



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

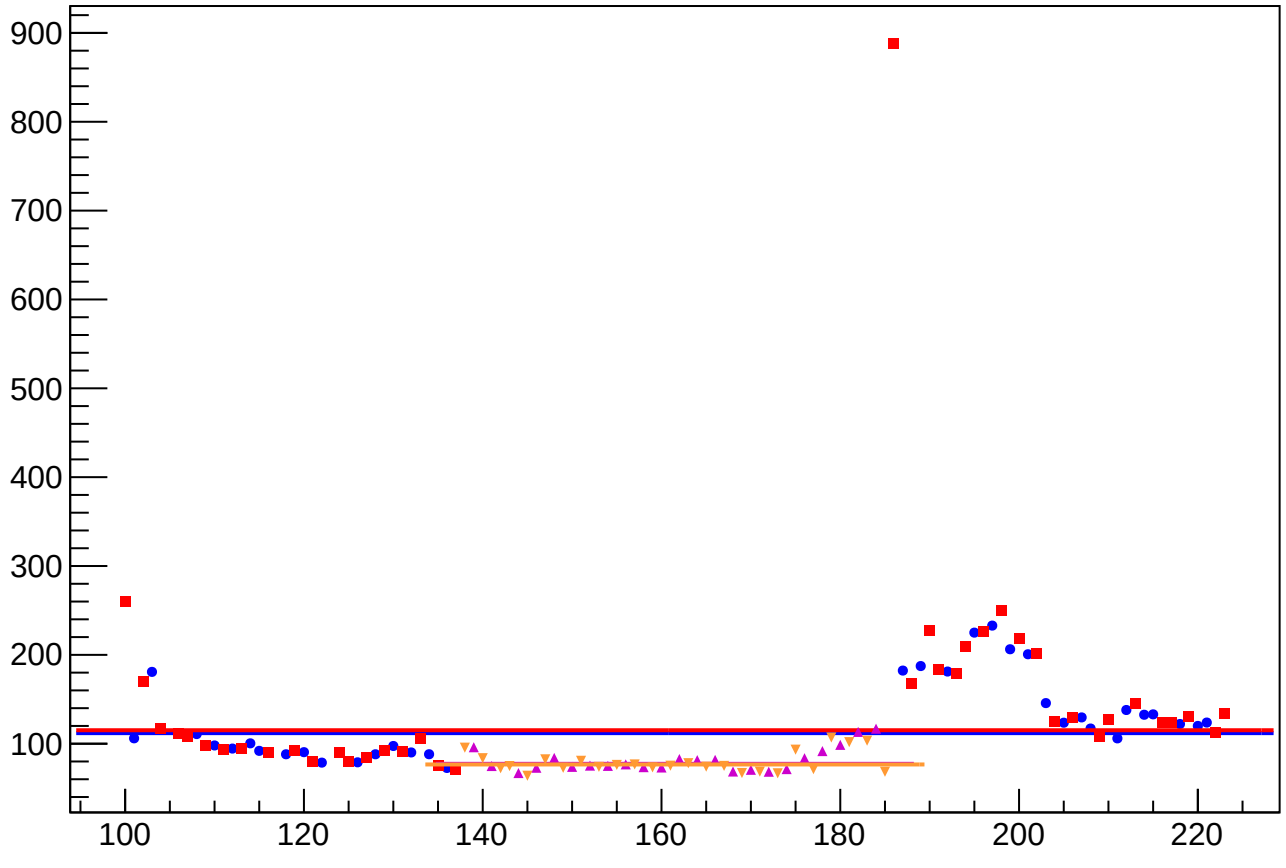
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -43.453+/-17.973 χ^2/NDF: 112.6/72

In: 34.029+/-14.804 χ^2/NDF:69.3/56

Out: 8.745+/-14.560 χ^2/NDF:123.5/63

All: 21.177+/-10.381 χ^2/NDF: 194.3/120



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

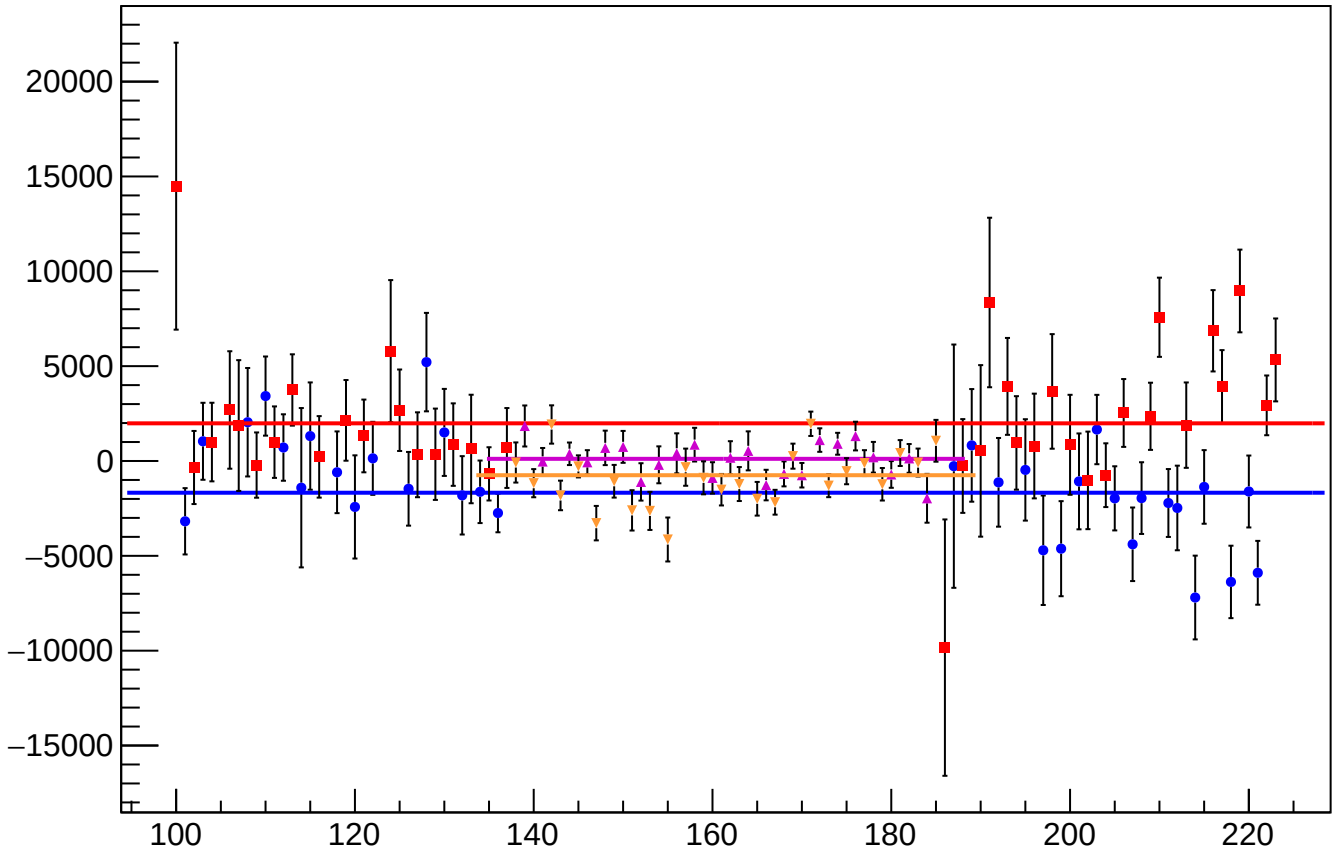
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 113.497+/-0.013 χ^2/NDF: 8550607.4/72

In: 89.333+/-0.010 χ^2/NDF:6802768.6/56

Out: 89.001+/-0.010 χ^2/NDF:8494549.2/63

All: 89.164+/-0.007 χ^2/NDF: 15297829.2/120



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

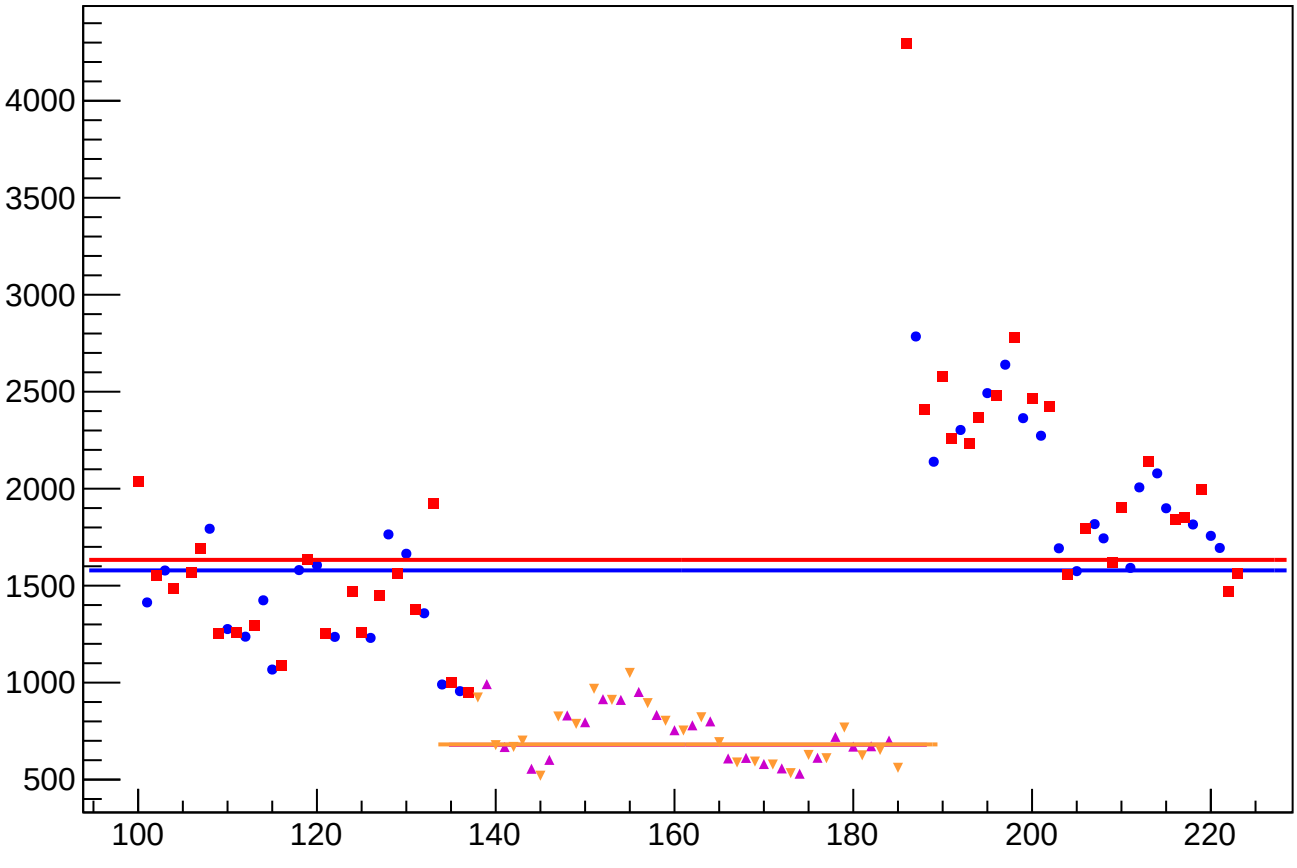
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 121.976+/-249.118 χ^2/NDF: 158.7/72

In: -202.281+/-146.804 χ^2/NDF:98.9/56

Out: -298.391+/-144.453 χ^2/NDF:171.9/63

All: -251.112+/-102.965 χ^2/NDF: 271.0/120



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

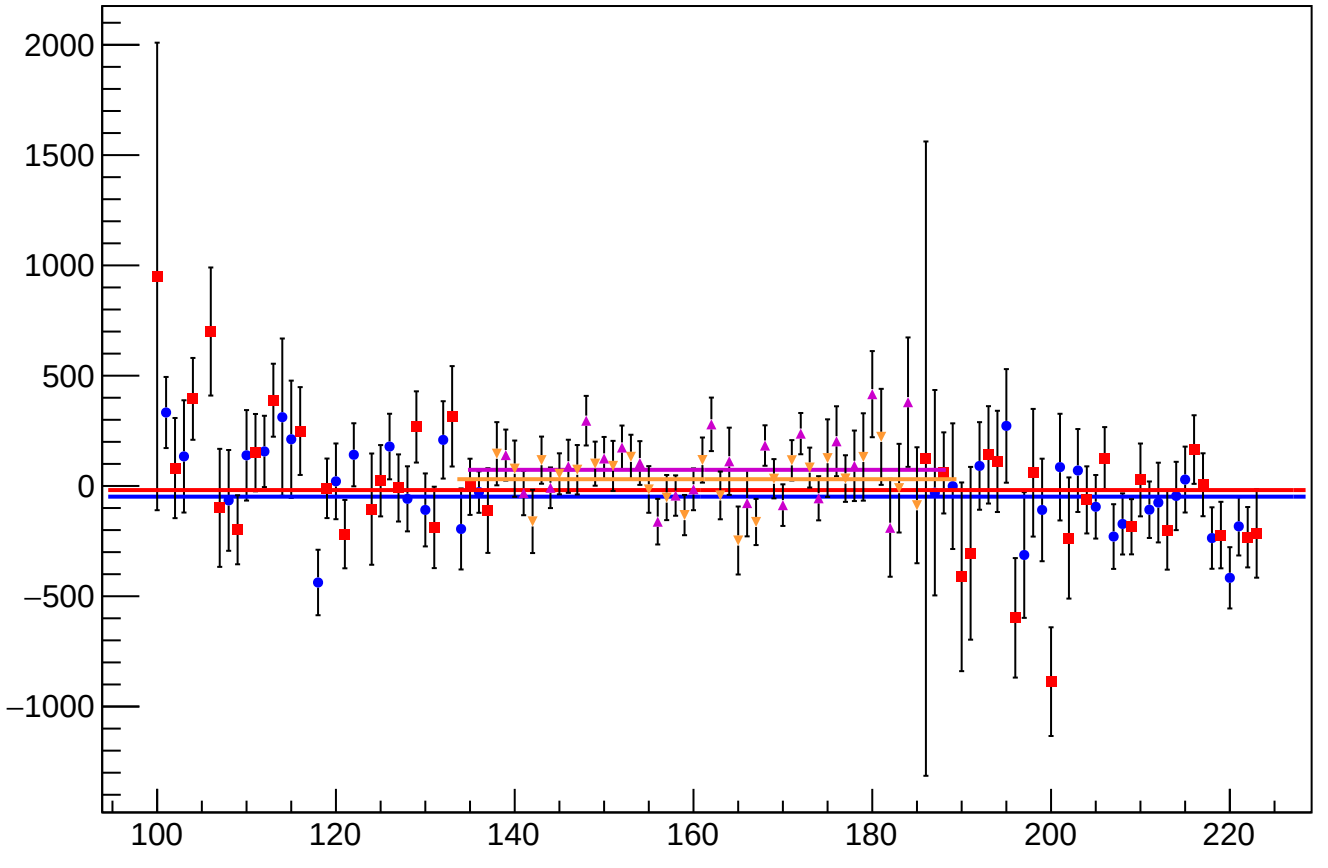
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1605.256+/-0.176 χ^2/NDF: 6215946.7/72

In: 838.453+/-0.104 χ^2/NDF:15022270.6/56

Out: 838.408+/-0.102 χ^2/NDF:16567683.0/63

All: 838.430+/-0.073 χ^2/NDF: 31589953.7/12



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

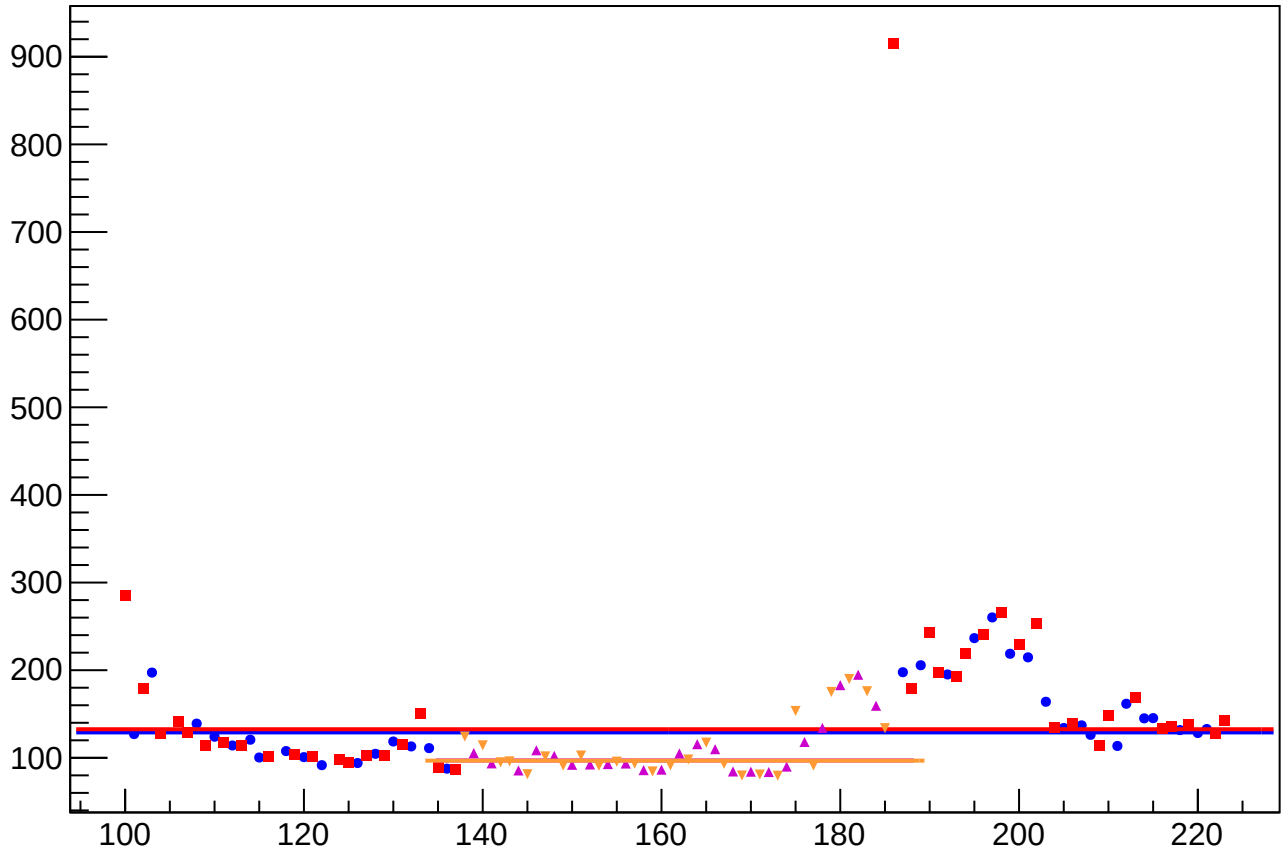
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -33.906+/-20.573 χ^2/NDF: 103.1/72

In: 24.451+/-18.207 χ^2/NDF:86.4/56

Out: 12.119+/-18.050 χ^2/NDF:83.1/63

All: 18.232+/-12.818 χ^2/NDF: 169.7/120



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

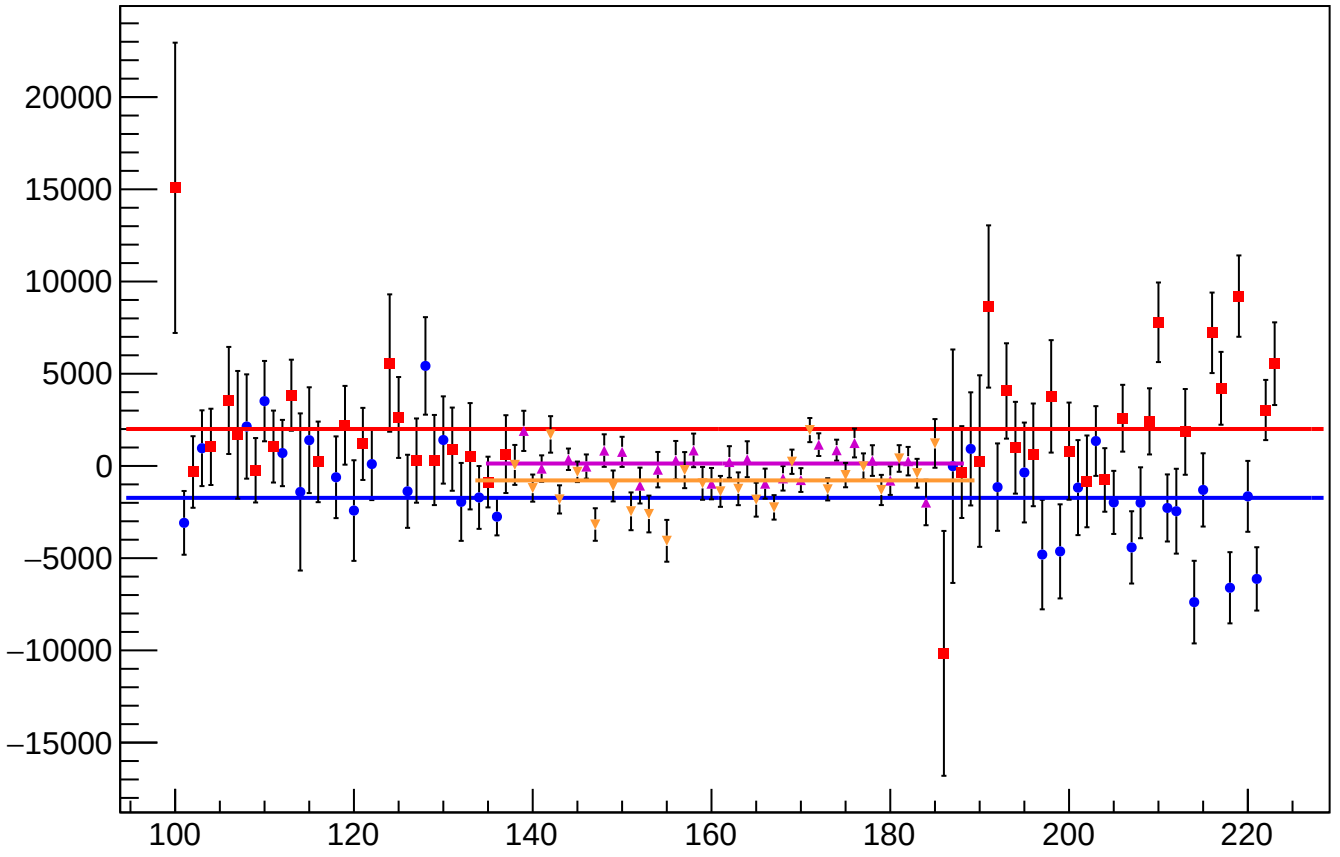
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.779+/-0.015 χ^2/NDF: 7017797.1/72

In: 109.821+/-0.013 χ^2/NDF:5774958.0/56

Out: 110.283+/-0.013 χ^2/NDF:7601795.5/63

All: 110.054+/-0.009 χ^2/NDF: 13377401.8/12



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

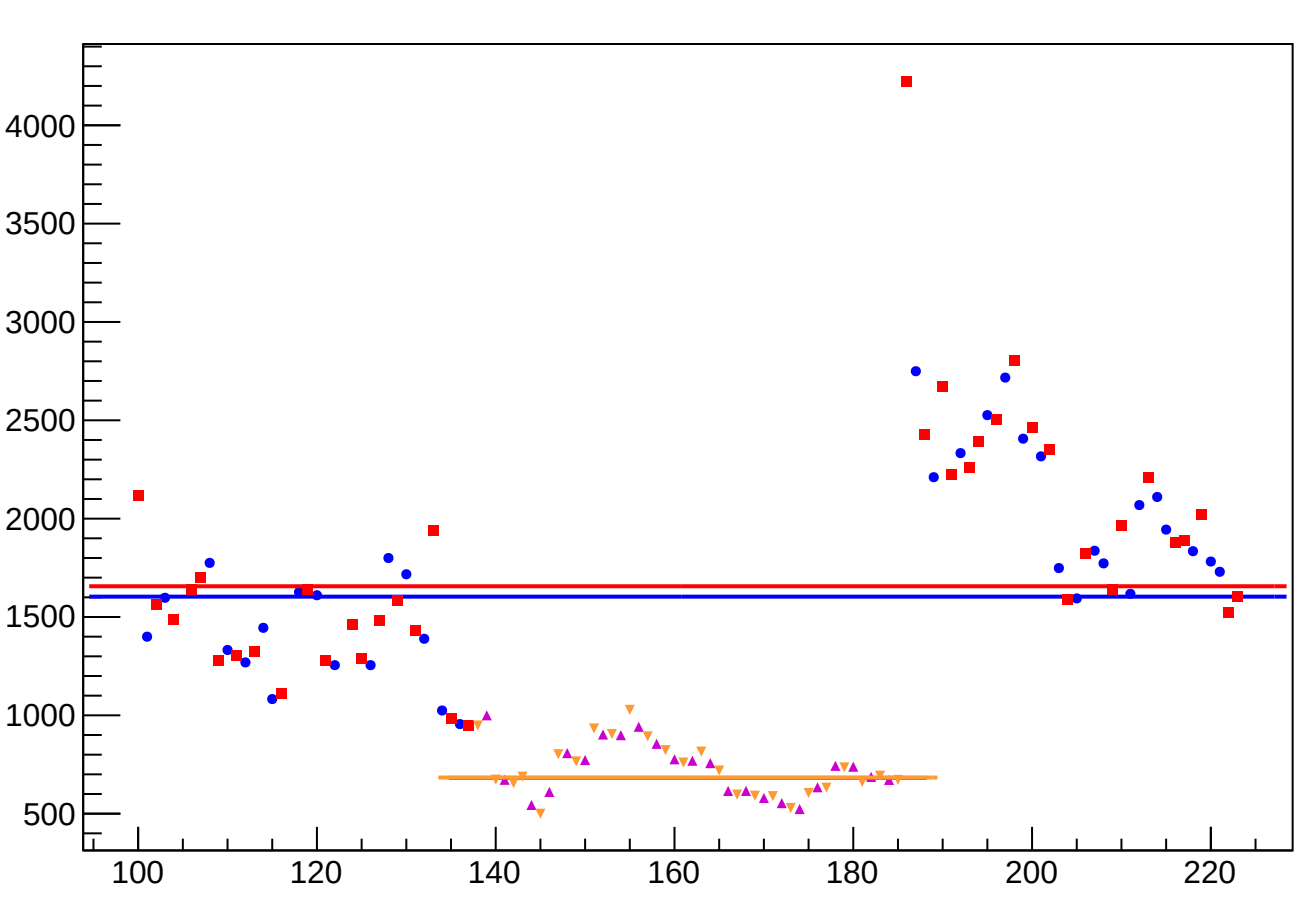
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

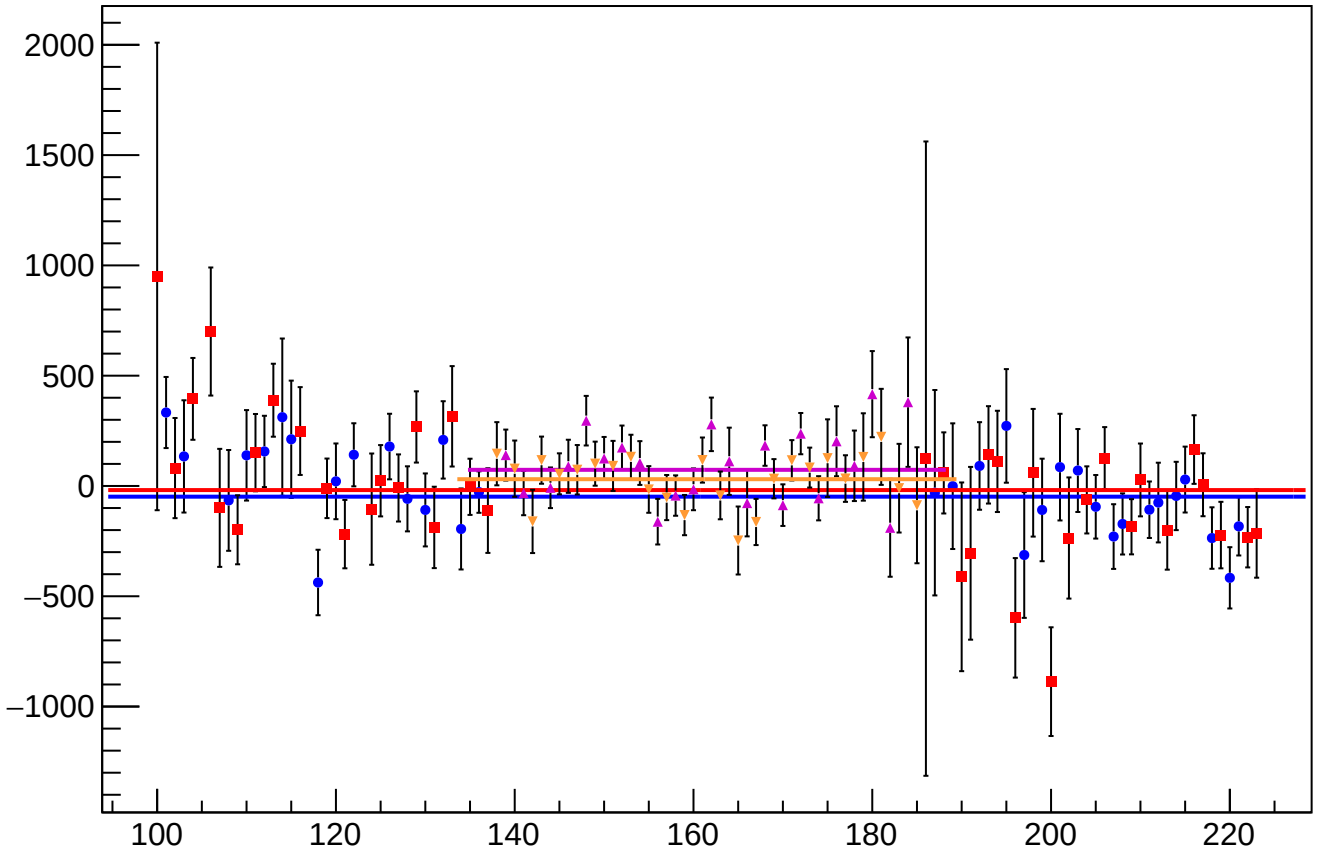
Right: 108.613+/-252.699 χ^2/NDF: 162.3/72

In: -191.316+/-147.666 χ^2/NDF:99.1/56

Out: -332.112+/-144.938 χ^2/NDF:172.3/63

All: -263.027+/-103.438 χ^2/NDF: 271.8/120


asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1603.436+/-0.251 χ²/NDF: 2966976.4/33
Left Out: 683.698+/-0.112 χ²/NDF:1297969.4/24
Right Out: 1656.265+/-0.255 χ²/NDF: 3271219.9/38
Left In: 681.961+/-0.115 χ²/NDF:1186135.0/22
Left: 682.852+/-0.080 χ²/NDF: 2484221.6/47
Right: 1629.452+/-0.179 χ²/NDF: 6260044.3/72
In: 841.667+/-0.104 χ²/NDF:15311767.8/56
Out: 841.253+/-0.102 χ²/NDF:16794590.1/63
All: 841.456+/-0.073 χ²/NDF: 32106365.9/12



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

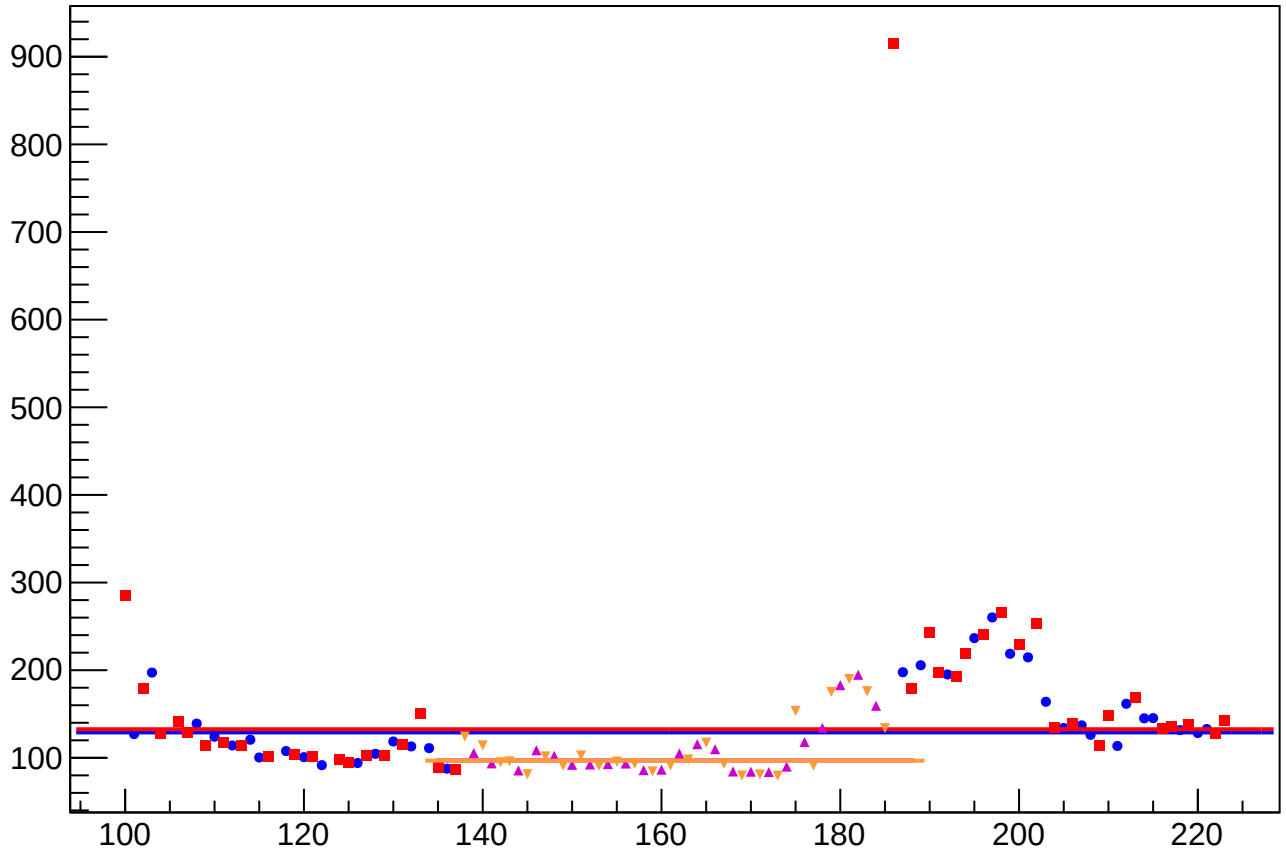
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -33.905+/-20.572 χ^2/NDF: 103.1/72

In: 24.452+/-18.207 χ^2/NDF:86.4/56

Out: 12.118+/-18.050 χ^2/NDF:83.1/63

All: 18.231+/-12.818 χ^2/NDF: 169.7/120



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

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

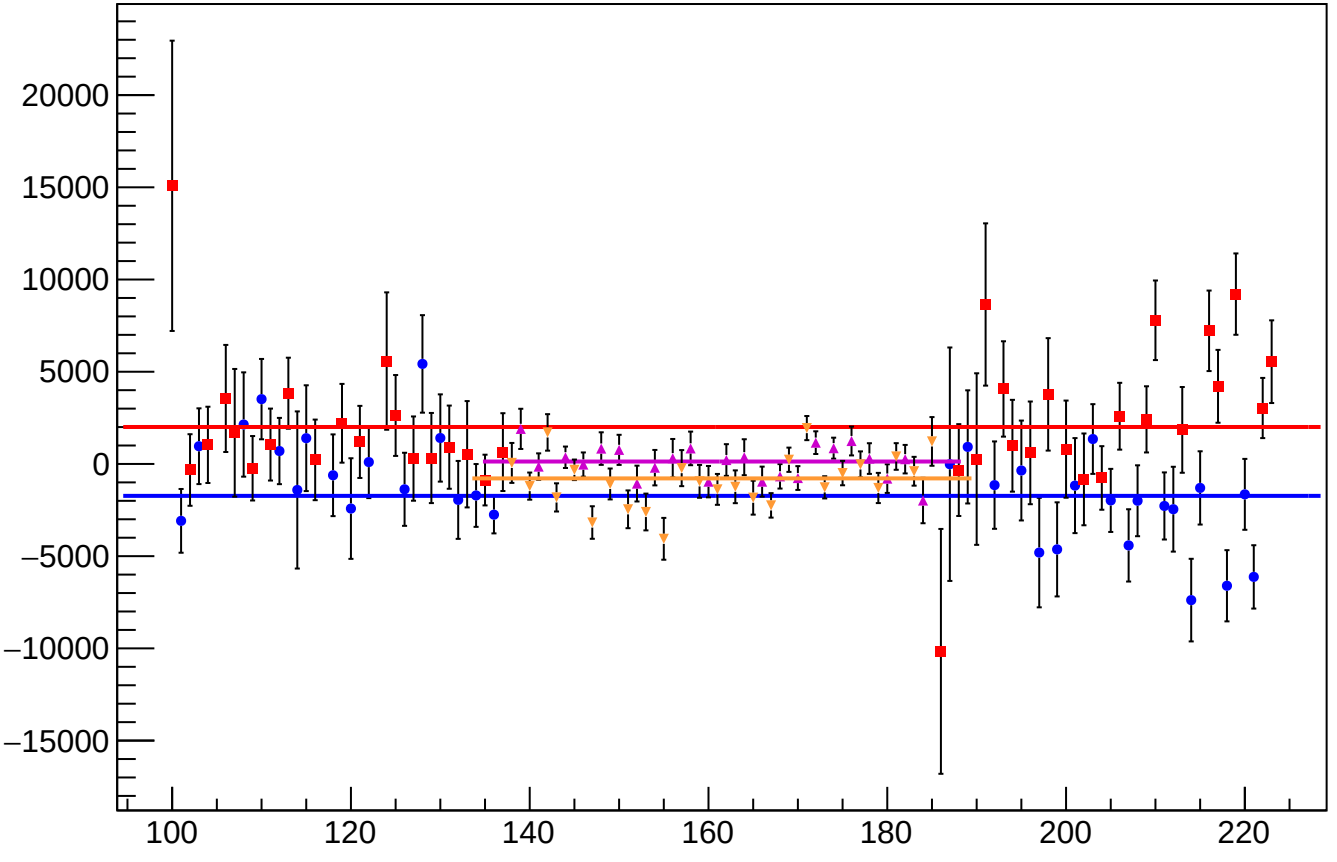
Right: 130.779+/-0.015 χ^2/NDF: 7017847.8/72

In: 109.821+/-0.013 χ^2/NDF:5774879.7/56

Out: 110.283+/-0.013 χ^2/NDF:7601747.6/63

All: 110.054+/-0.009 χ^2/NDF: 13377275.8/12

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

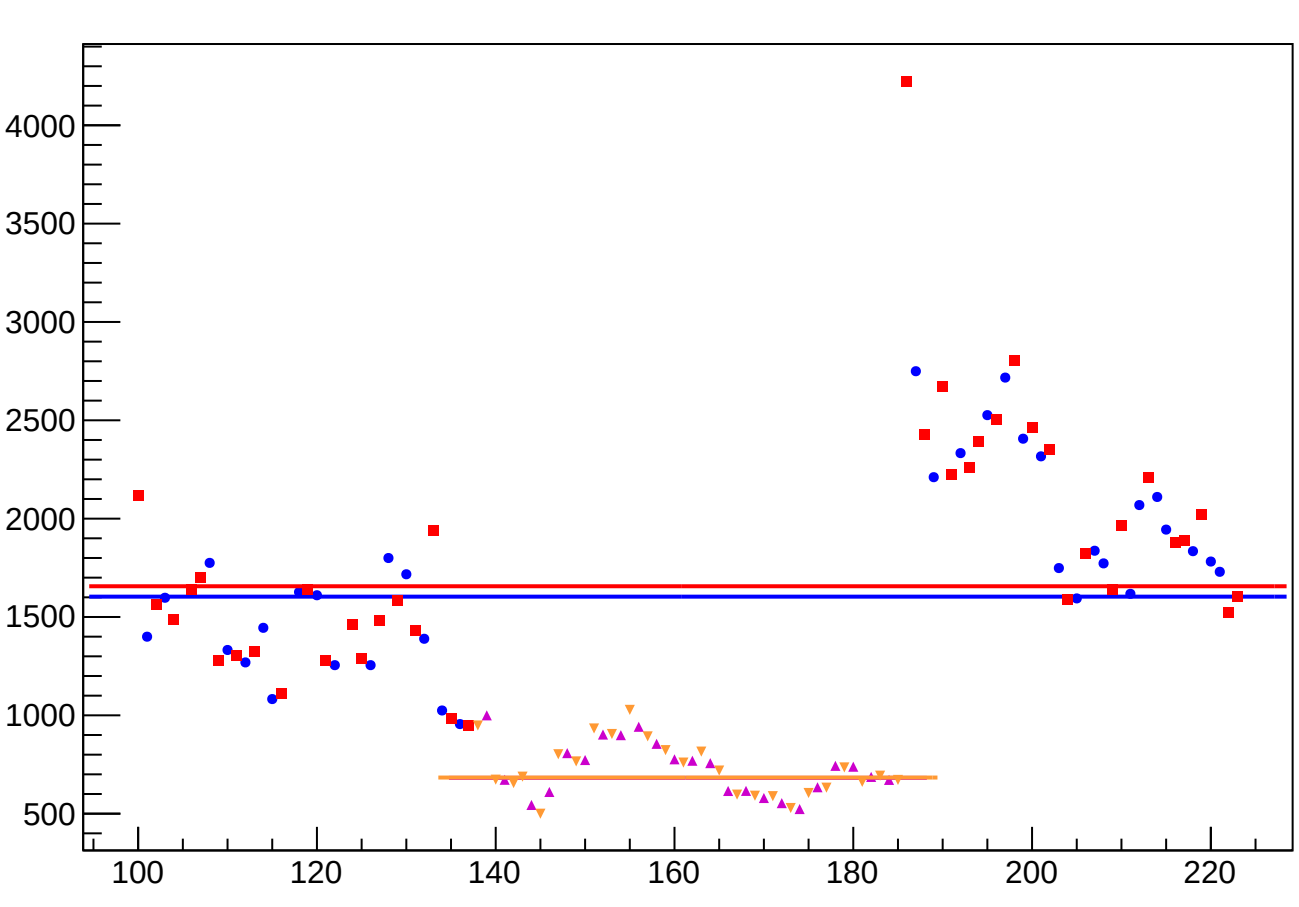
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 108.614+/-252.699 χ^2/NDF: 162.3/72

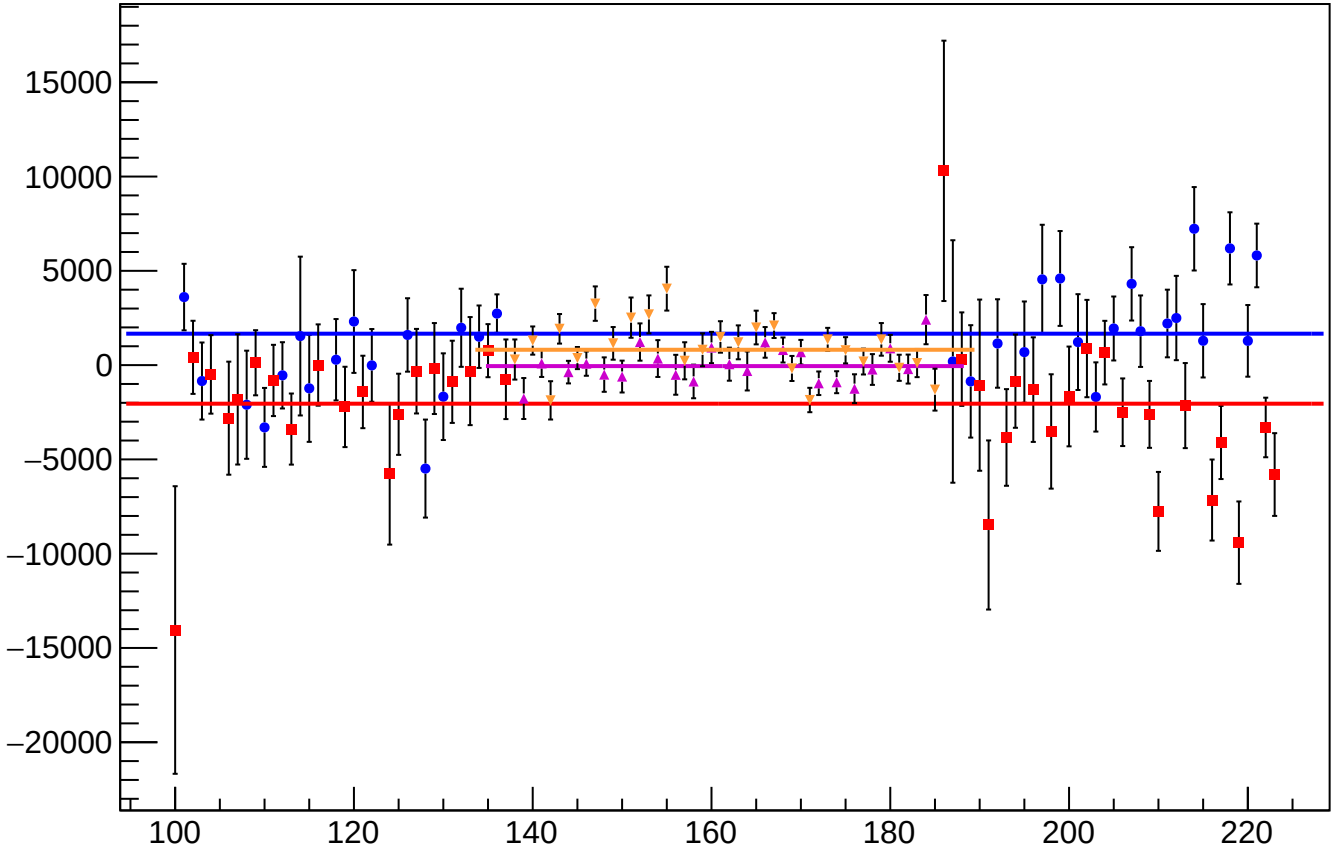
In: -191.316+/-147.666 χ^2/NDF:99.1/56

Out: -332.112+/-144.938 χ^2/NDF:172.3/63

All: -263.026+/-103.437 χ^2/NDF: 271.8/120


asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1603.433+/-0.251 χ²/NDF: 2966985.7/33
Left Out: 683.696+/-0.112 χ²/NDF:1297975.5/24
Right Out: 1656.263+/-0.255 χ²/NDF: 3271231.8/38
Left In: 681.960+/-0.115 χ²/NDF:1186136.6/22
Left: 682.850+/-0.080 χ²/NDF: 2484229.4/47
Right: 1629.449+/-0.179 χ²/NDF: 6260065.8/72
In: 841.666+/-0.104 χ²/NDF:15311787.2/56
Out: 841.251+/-0.102 χ²/NDF:16794619.4/63
All: 841.454+/-0.073 χ²/NDF: 32106414.7/12

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

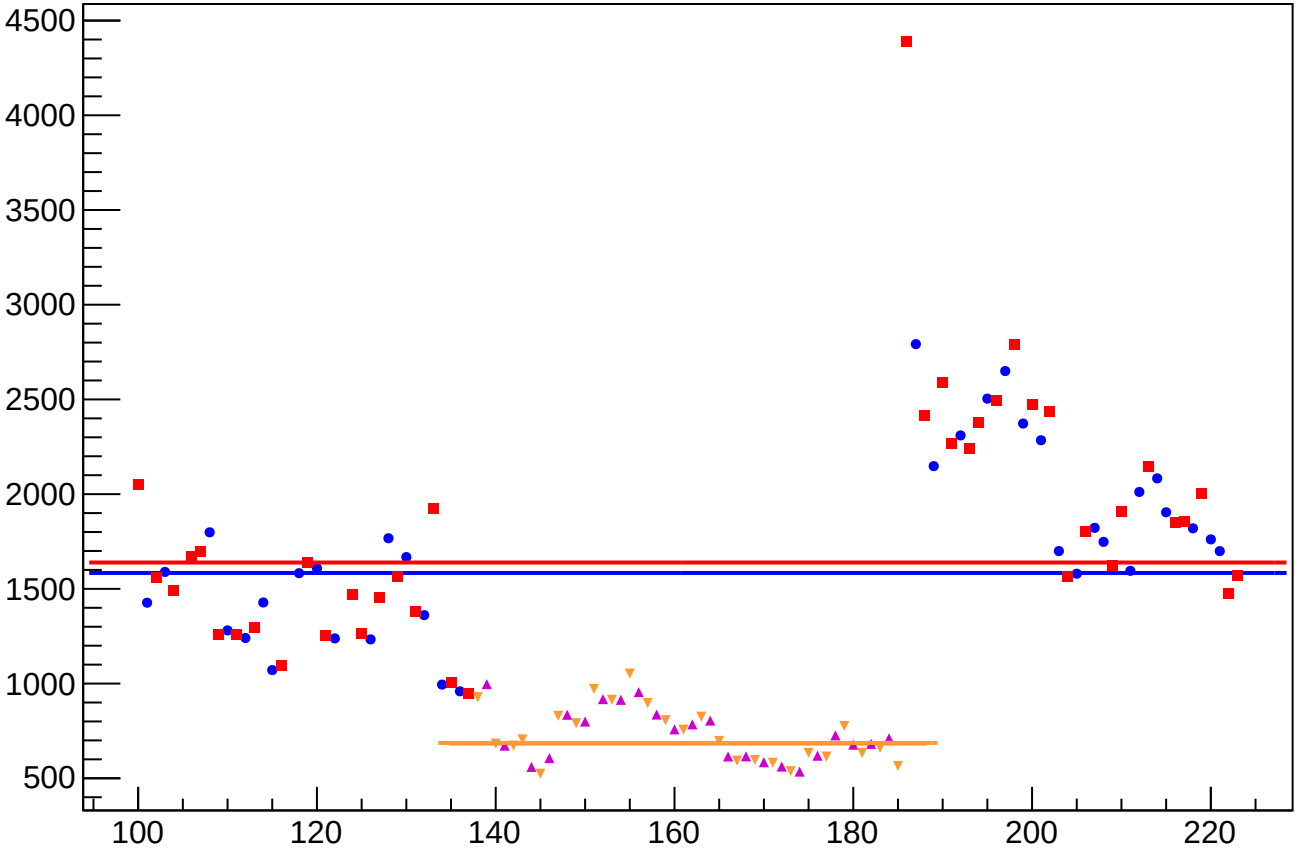
Right: -156.537+/-249.861 χ^2/NDF: 162.7/72

In: 253.845+/-147.806 χ^2/NDF:96.7/56

Out: 338.380+/-145.411 χ^2/NDF:175.4/63

All: 296.803+/-103.658 χ^2/NDF: 272.3/120

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

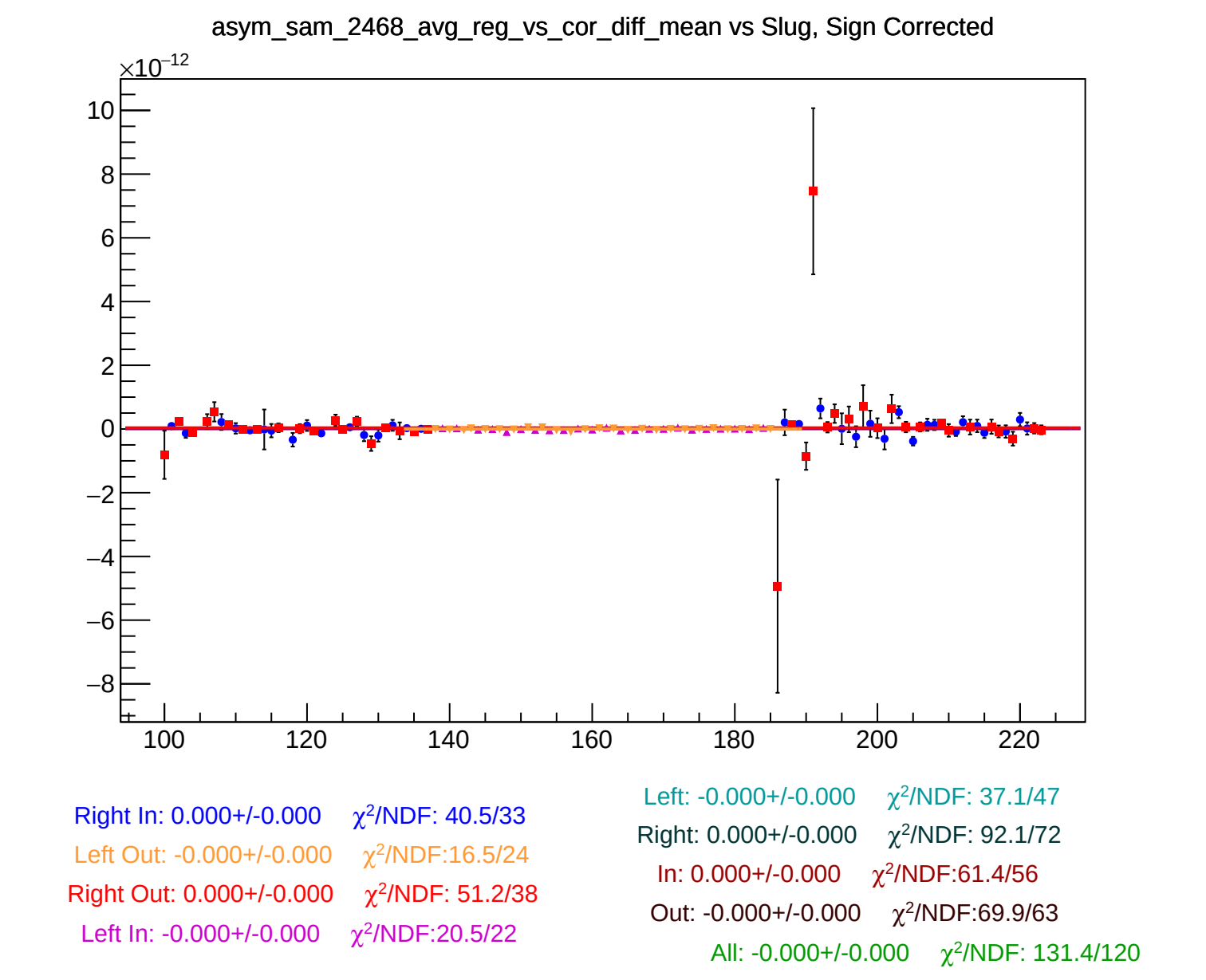
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

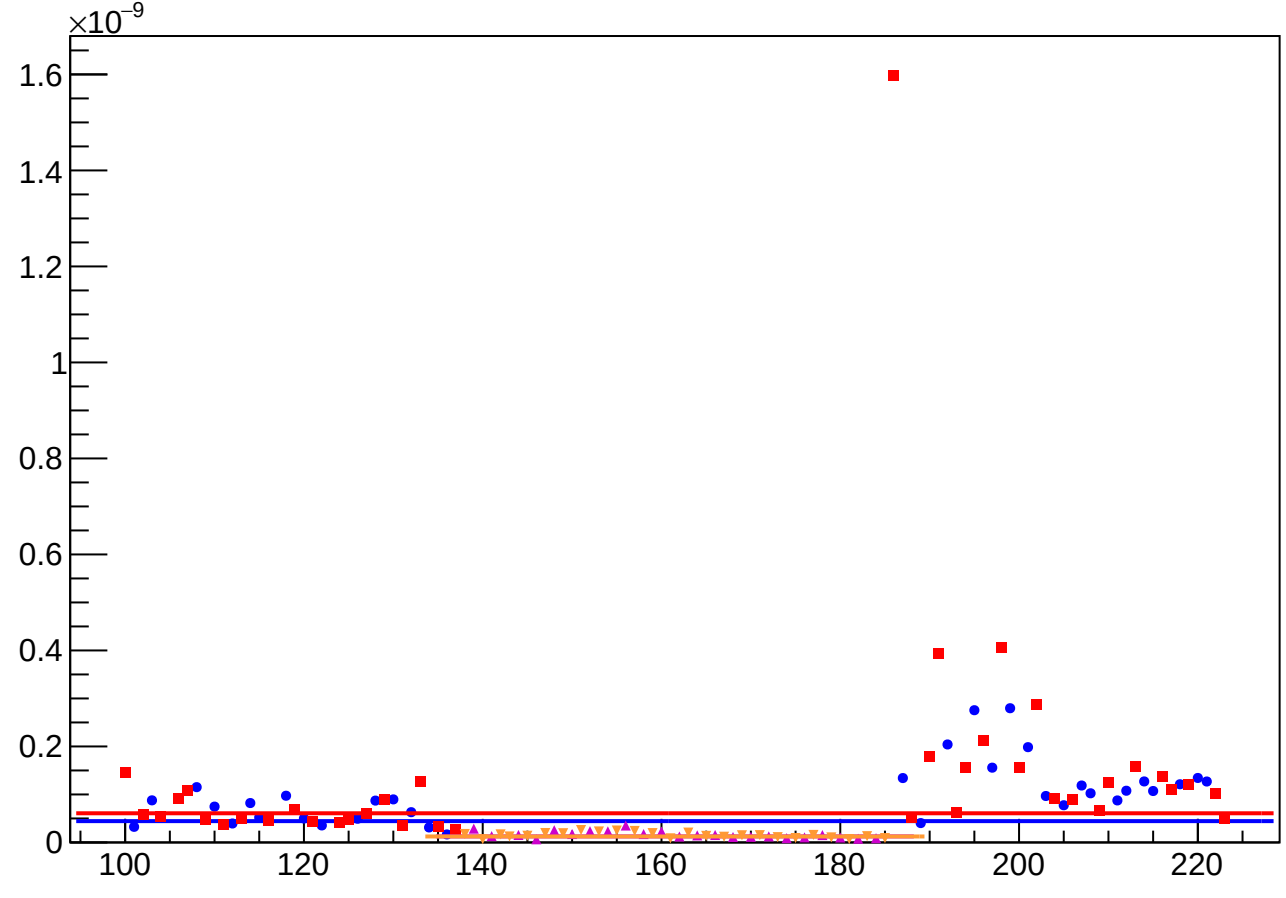
Right: 1611.014+/-0.177 χ^2/NDF: 6224407.1/72

In: 844.907+/-0.105 χ^2/NDF:14910816.8/56

Out: 845.090+/-0.103 χ^2/NDF:16496717.7/63

All: 845.000+/-0.073 χ^2/NDF: 31407536.0/12


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 40.5/33
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 51.2/38
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 92.1/72
In: 0.000+/-0.000 χ²/NDF:61.4/56
Out: -0.000+/-0.000 χ²/NDF:69.9/63
All: -0.000+/-0.000 χ²/NDF: 131.4/120



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

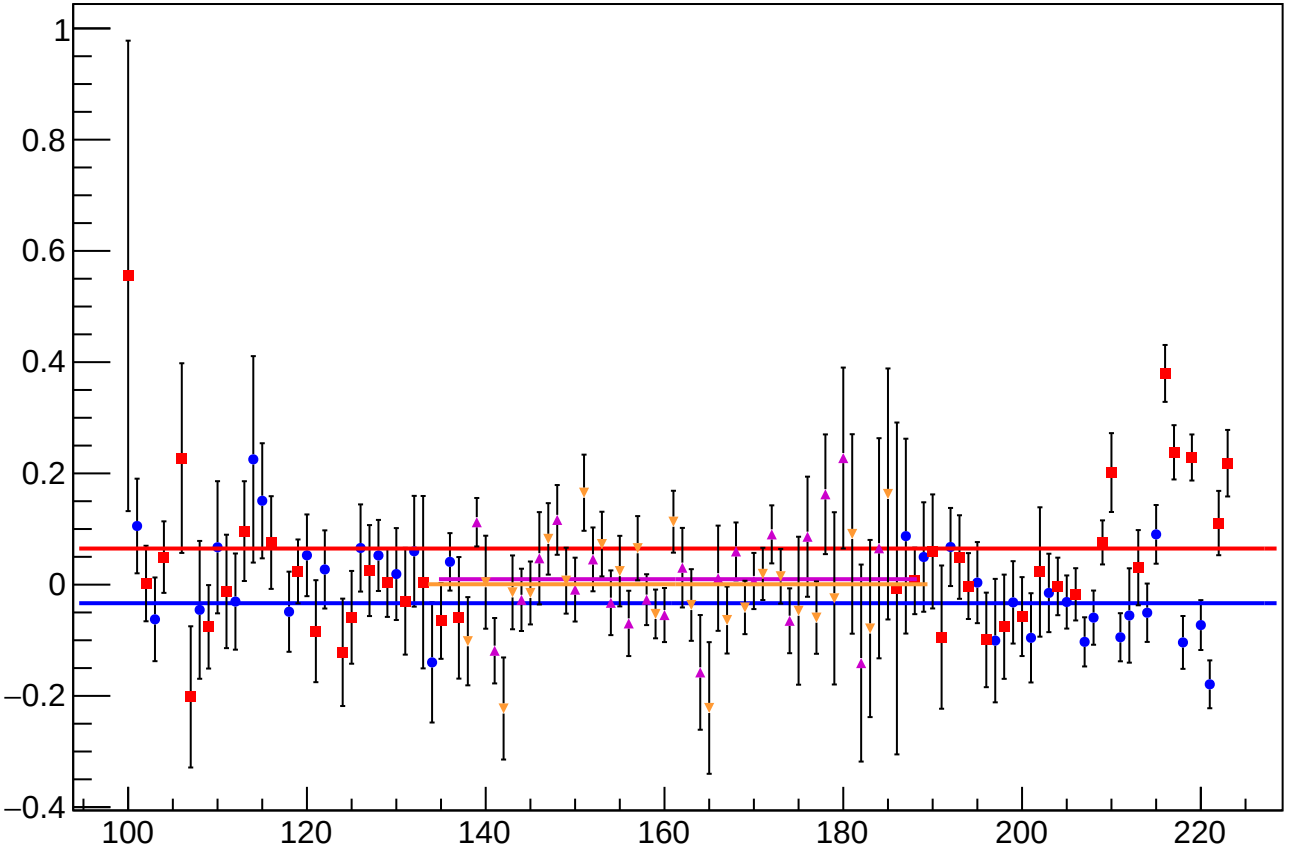
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13525282.0/72

In: 0.000+/-0.000 χ^2/NDF:14957718.0/56

Out: 0.000+/-0.000 χ^2/NDF:14588369.0/63

All: 0.000+/-0.000 χ^2/NDF: 29547419.0/120



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

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

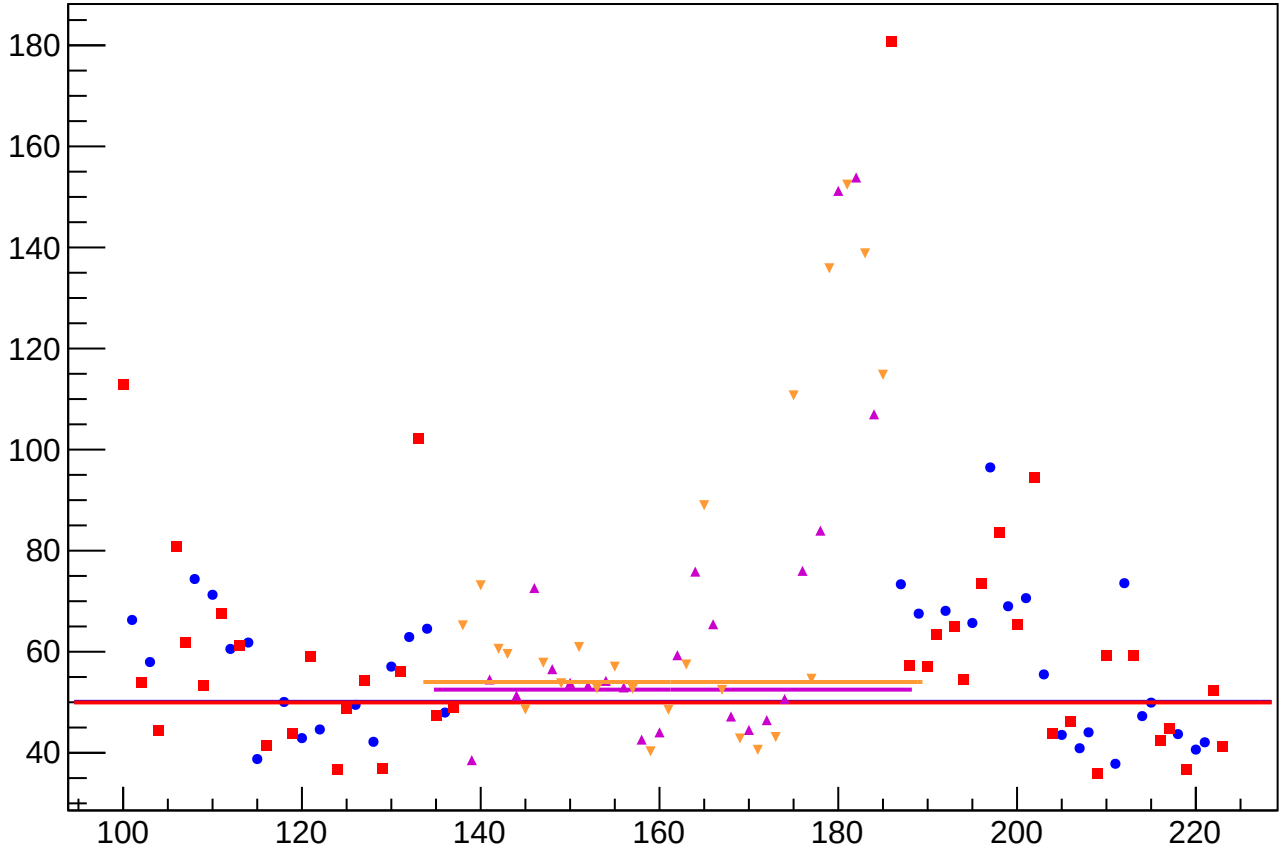
Right: 0.016+/-0.008 χ^2/NDF: 209.2/72

In: -0.015+/-0.009 χ^2/NDF:86.1/56

Out: 0.038+/-0.009 χ^2/NDF:168.6/63

All: 0.012+/-0.006 χ^2/NDF: 273.8/120

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

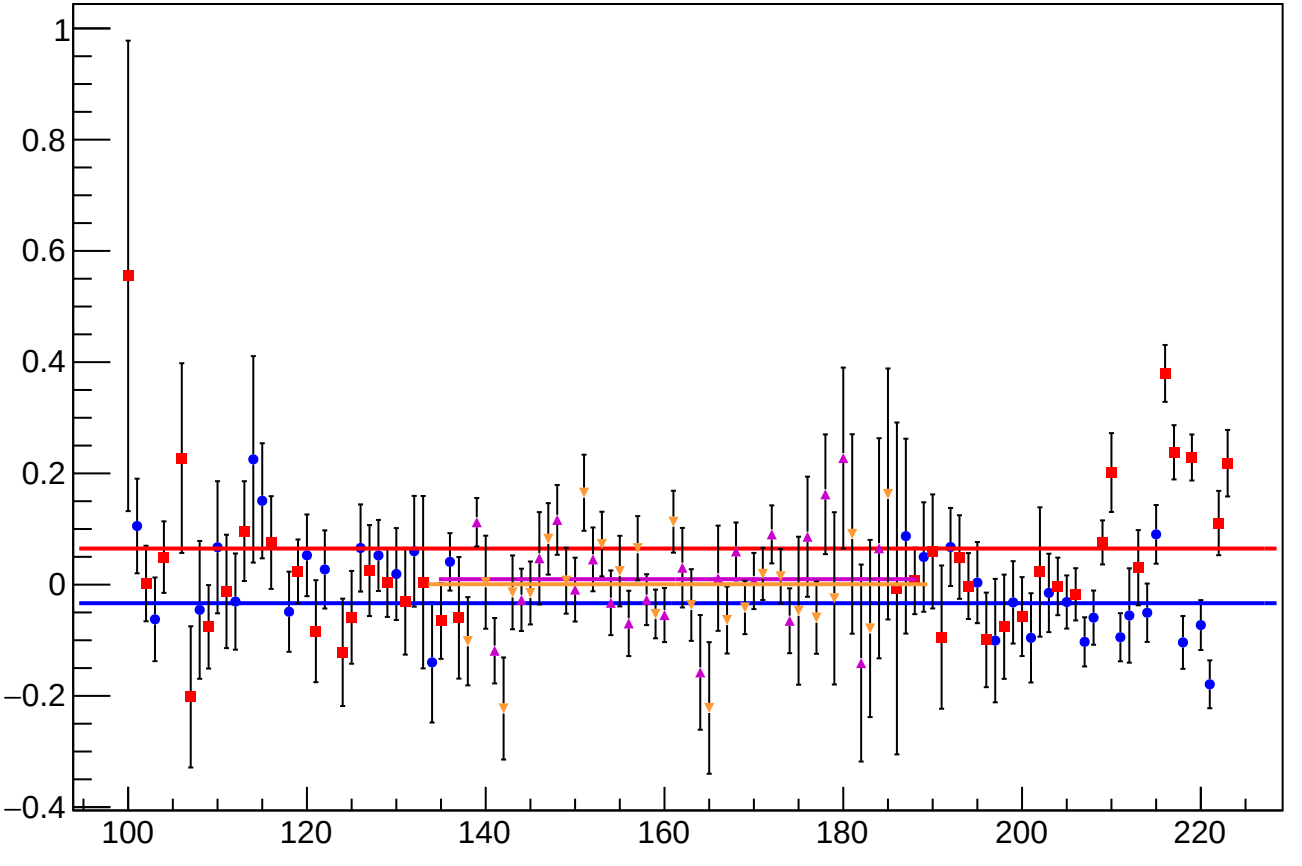
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 50.027+/-0.006 χ^2/NDF: 4752463.0/72

In: 51.108+/-0.006 χ^2/NDF:4653617.5/56

Out: 51.664+/-0.006 χ^2/NDF:6031079.6/63

All: 51.387+/-0.004 χ^2/NDF: 10688894.8/120



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

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

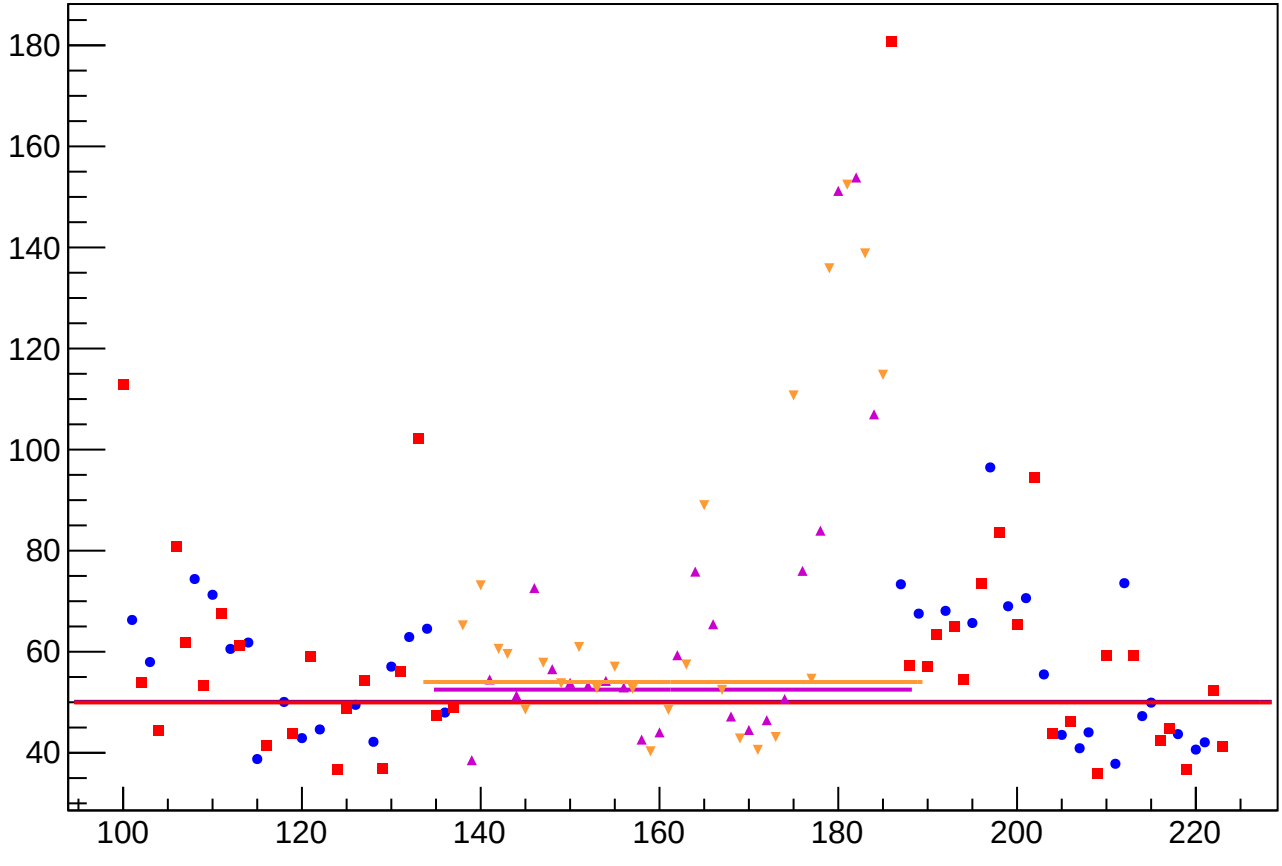
Right: 0.016+/-0.008 χ^2/NDF: 209.2/72

In: -0.015+/-0.009 χ^2/NDF:86.1/56

Out: 0.038+/-0.009 χ^2/NDF:168.6/63

All: 0.012+/-0.006 χ^2/NDF: 273.8/120

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

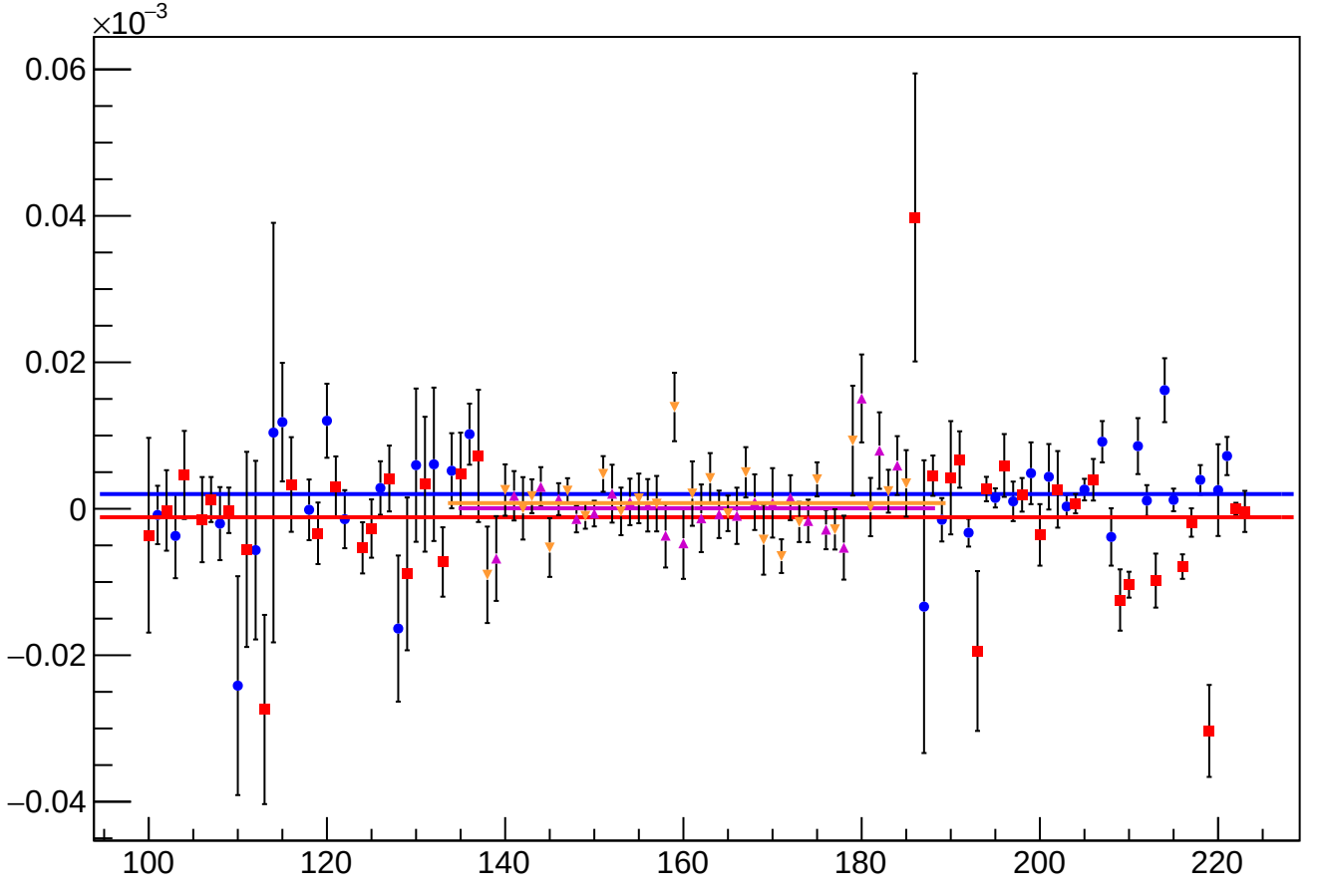
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 50.027+/-0.006 χ^2/NDF: 4752463.0/72

In: 51.108+/-0.006 χ^2/NDF:4653617.5/56

Out: 51.664+/-0.006 χ^2/NDF:6031079.6/63

All: 51.387+/-0.004 χ^2/NDF: 10688894.8/120



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

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

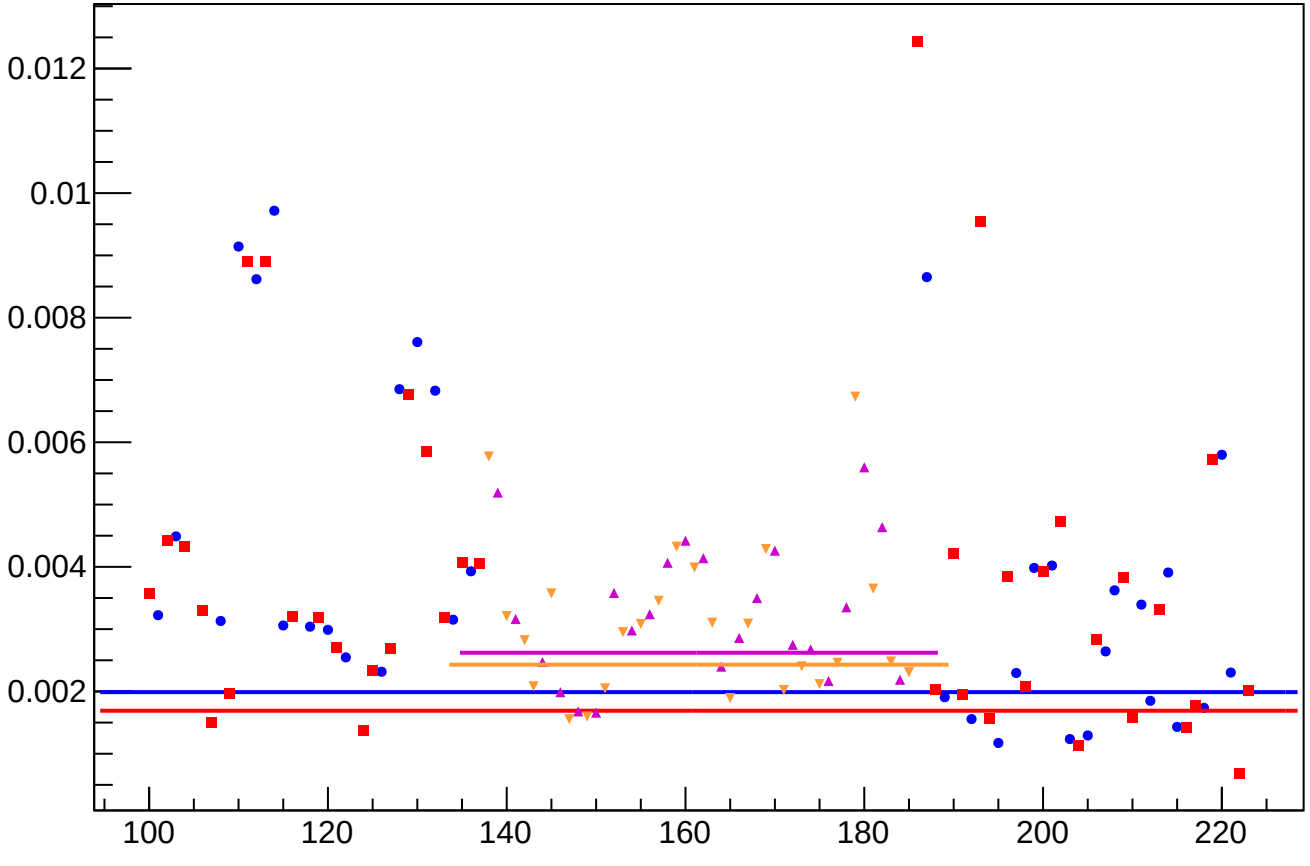
Right: 0.000+/-0.000 χ^2/NDF: 209.0/72

In: 0.000+/-0.000 χ^2/NDF:85.4/56

Out: -0.000+/-0.000 χ^2/NDF:171.8/63

All: 0.000+/-0.000 χ^2/NDF: 268.1/120

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

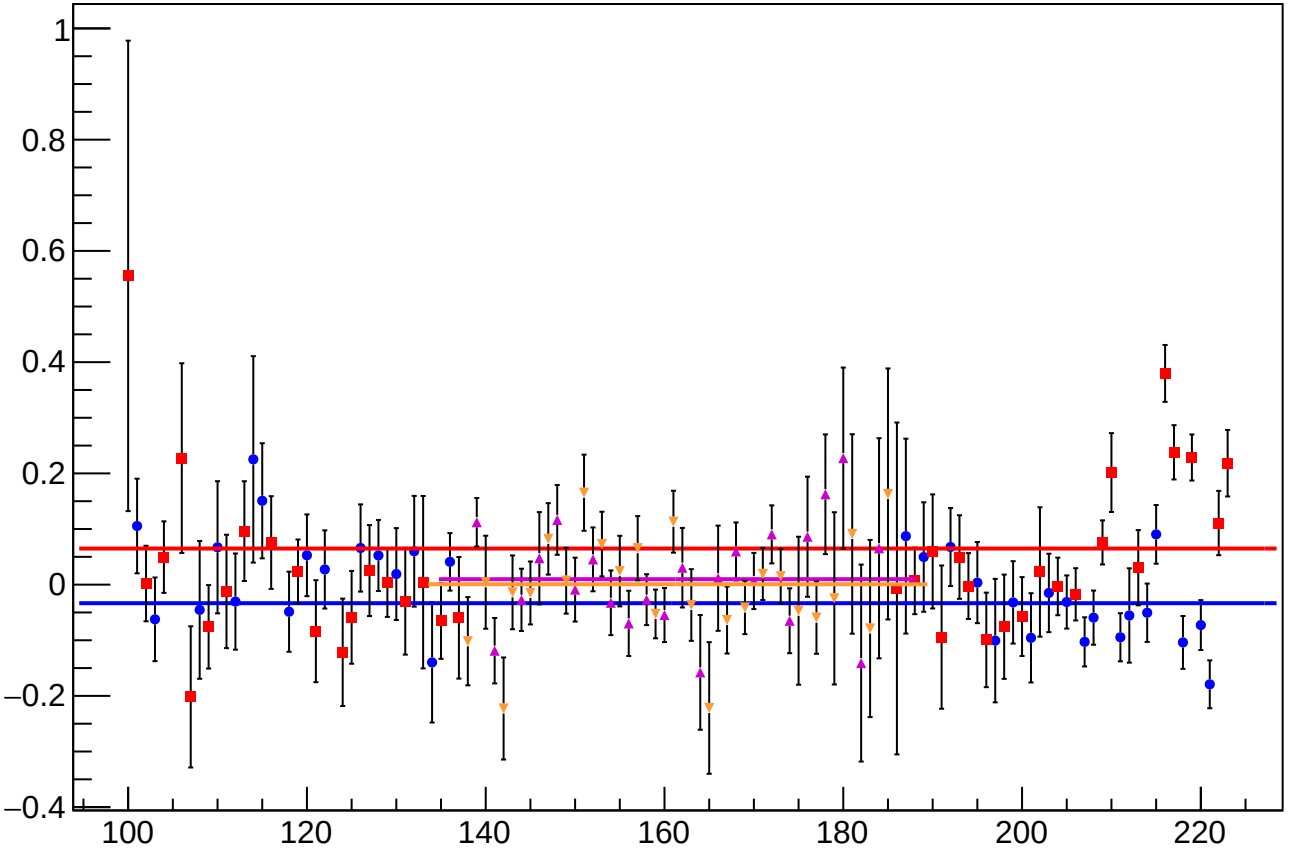
Right: 0.002+/-0.000 χ^2/NDF: 23435449.4/72

In: 0.002+/-0.000 χ^2/NDF:14383609.9/56

Out: 0.002+/-0.000 χ^2/NDF:19995233.2/63

All: 0.002+/-0.000 χ^2/NDF: 34864158.4/120

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

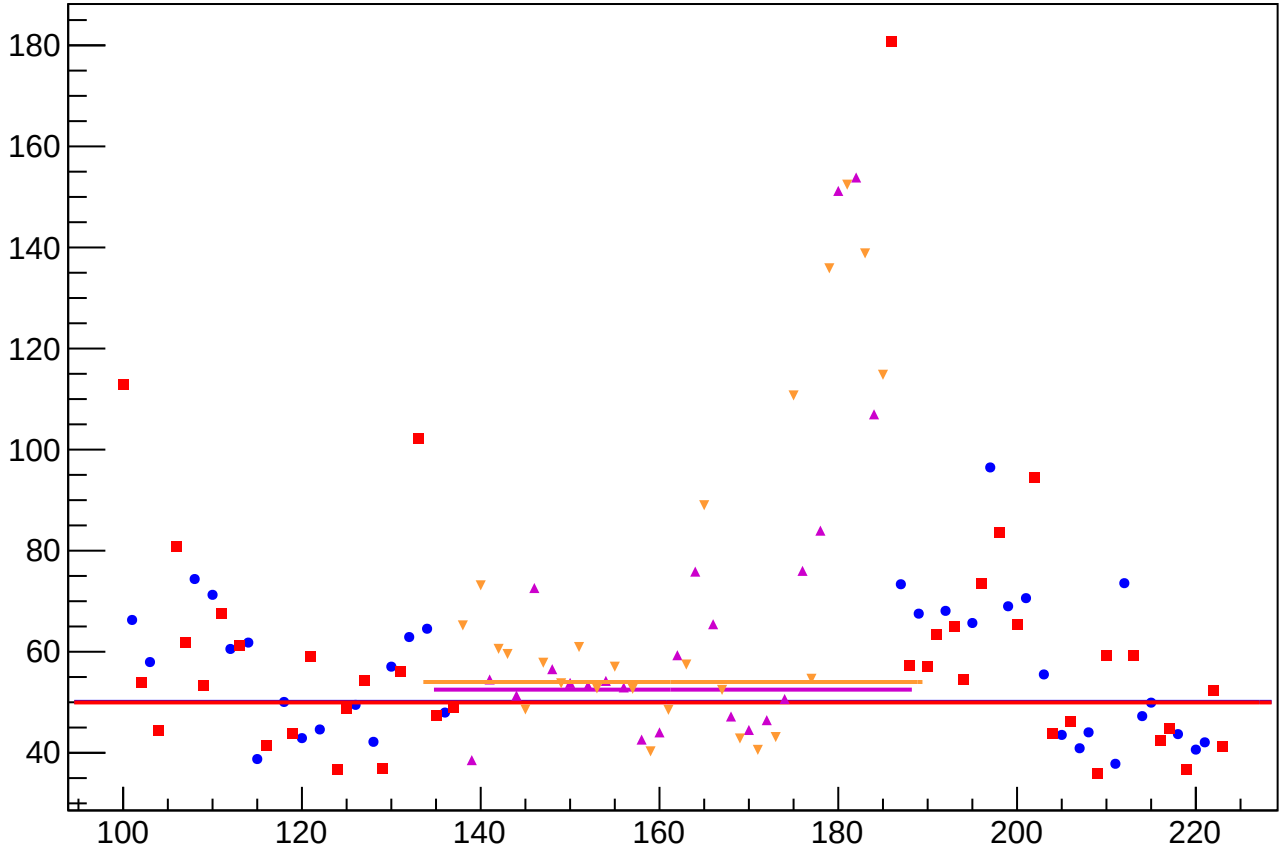
Right: 0.016+/-0.008 χ^2/NDF: 209.2/72

In: -0.015+/-0.009 χ^2/NDF:86.0/56

Out: 0.038+/-0.009 χ^2/NDF:168.6/63

All: 0.012+/-0.006 χ^2/NDF: 273.8/120

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

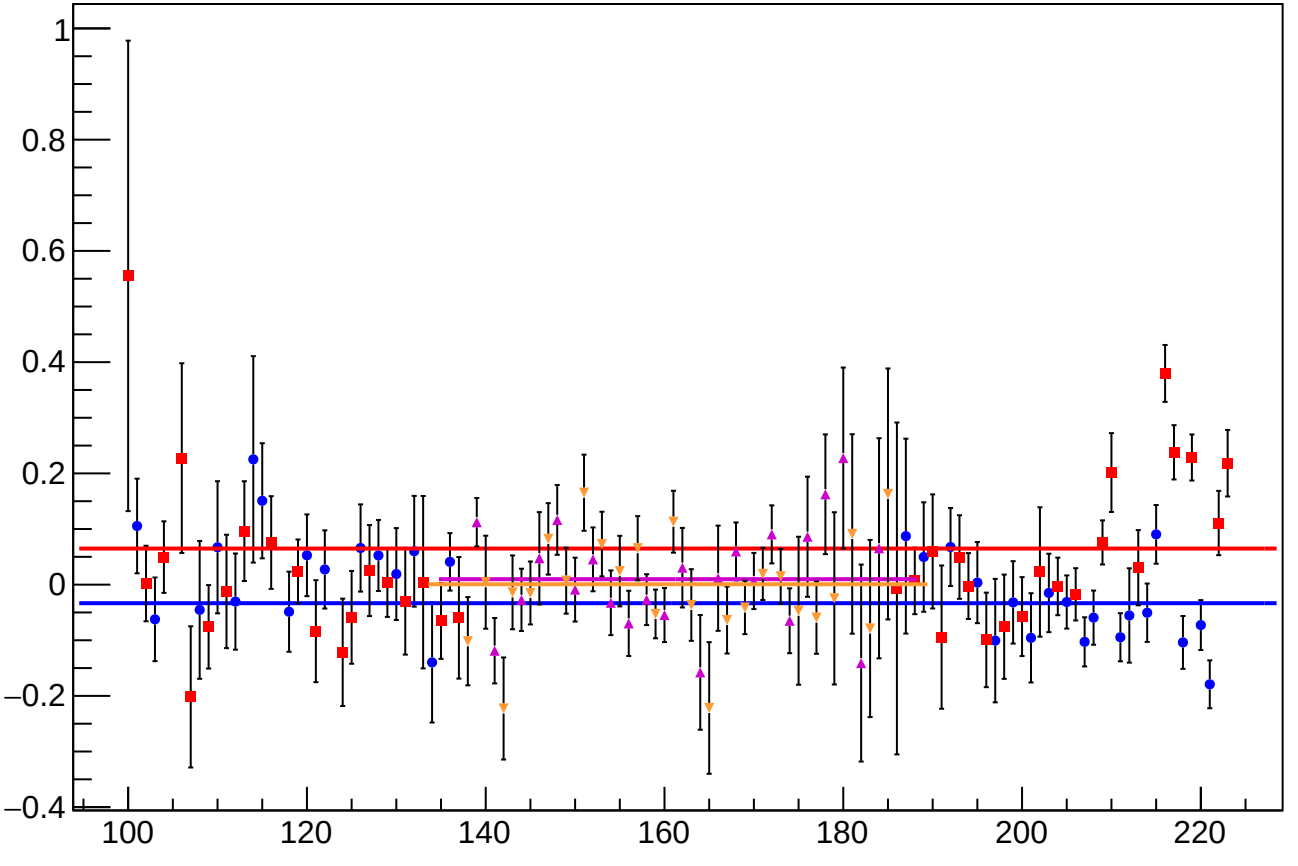
Right: 50.026+/-0.006 χ^2/NDF: 4752431.9/72

In: 51.108+/-0.006 χ^2/NDF:4653675.0/56

Out: 51.664+/-0.006 χ^2/NDF:6031134.2/63

All: 51.387+/-0.004 χ^2/NDF: 10689009.5/120

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

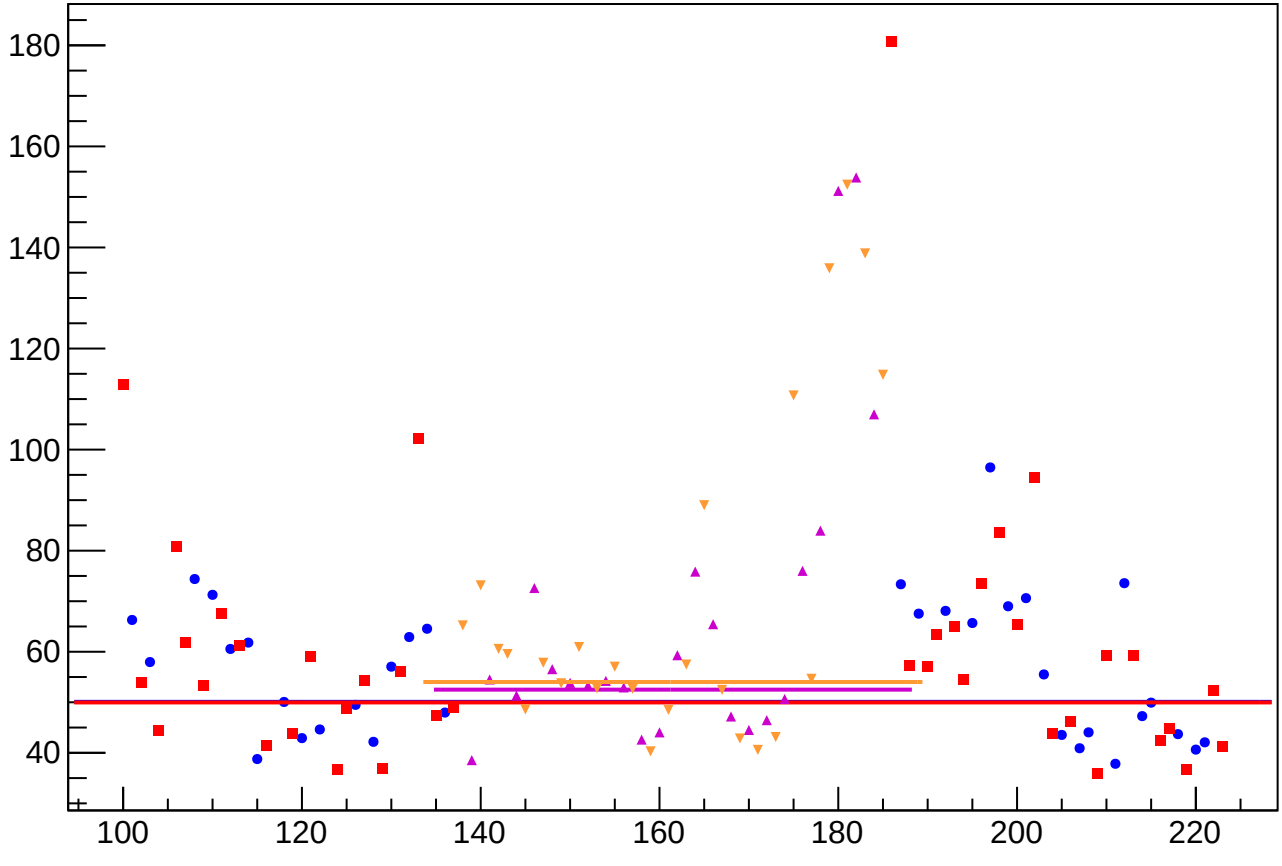
Right: 0.016+/-0.008 χ^2/NDF: 209.2/72

In: -0.015+/-0.009 χ^2/NDF:86.0/56

Out: 0.038+/-0.009 χ^2/NDF:168.6/63

All: 0.012+/-0.006 χ^2/NDF: 273.8/120

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

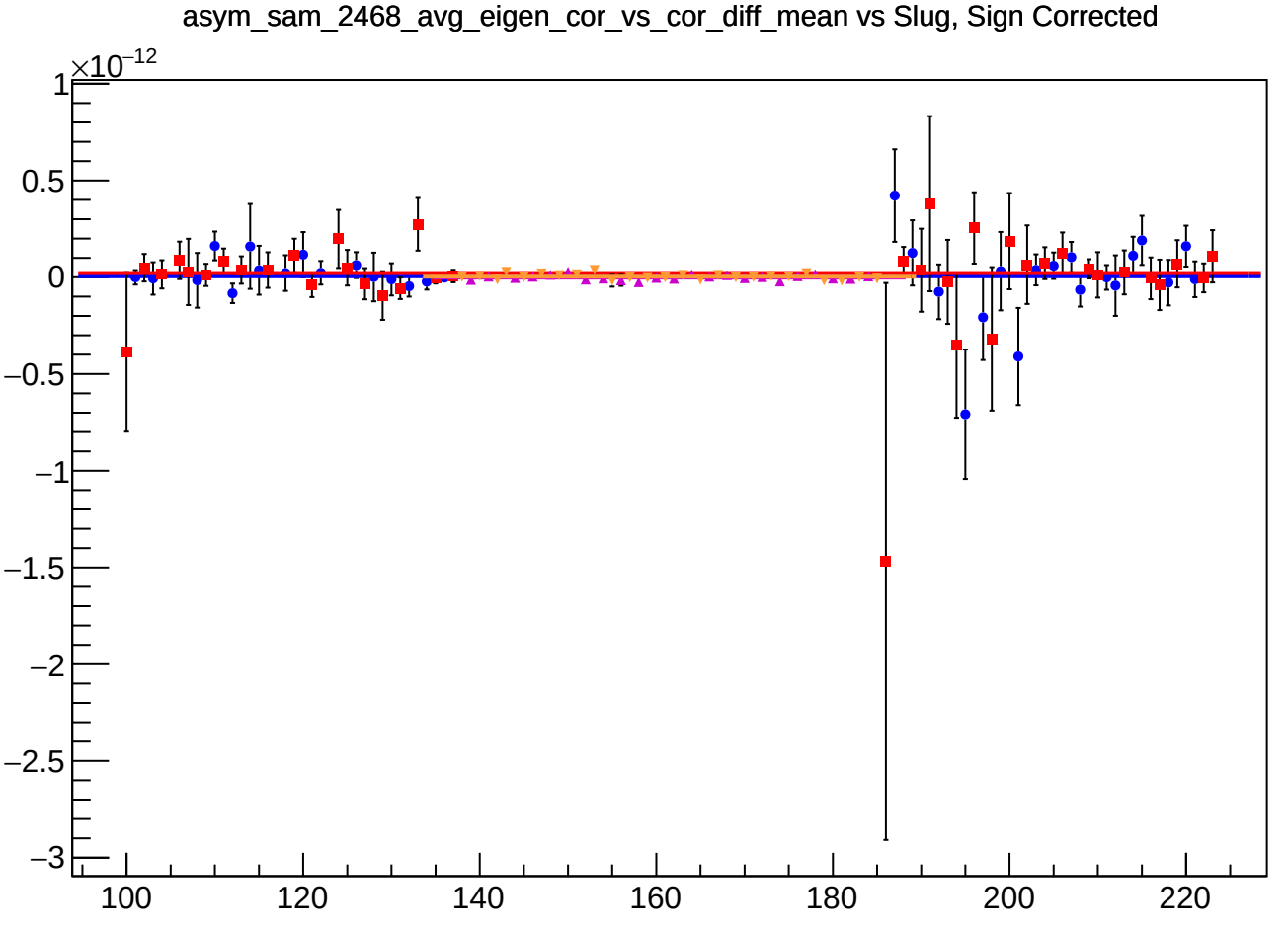
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 50.026+/-0.006 χ^2/NDF: 4752431.9/72

In: 51.108+/-0.006 χ^2/NDF:4653675.0/56

Out: 51.664+/-0.006 χ^2/NDF:6031134.2/63

All: 51.387+/-0.004 χ^2/NDF: 10689009.5/120



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

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

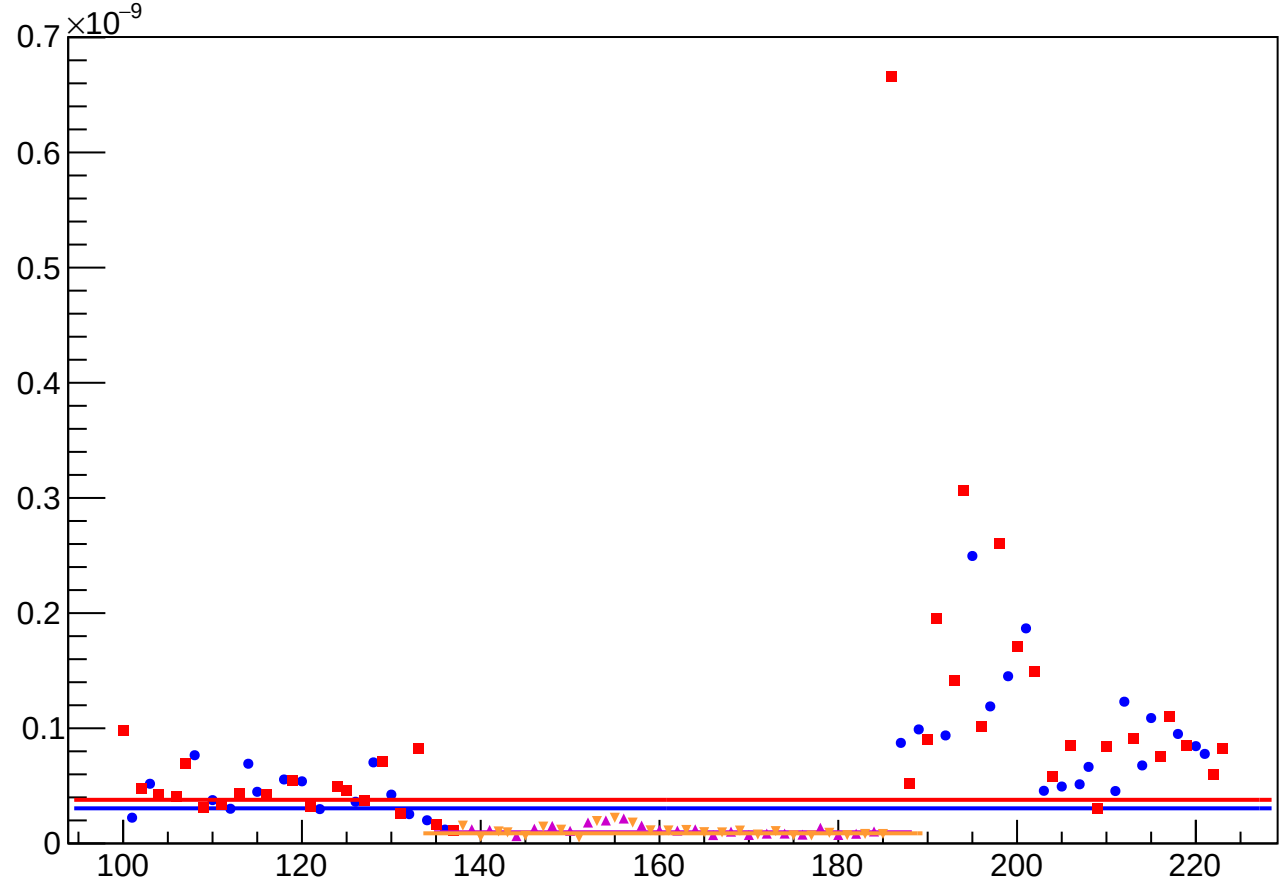
Right: 0.000+/-0.000 χ^2/NDF: 56.4/72

In: -0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:47.0/63

All: 0.000+/-0.000 χ^2/NDF: 96.7/120

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

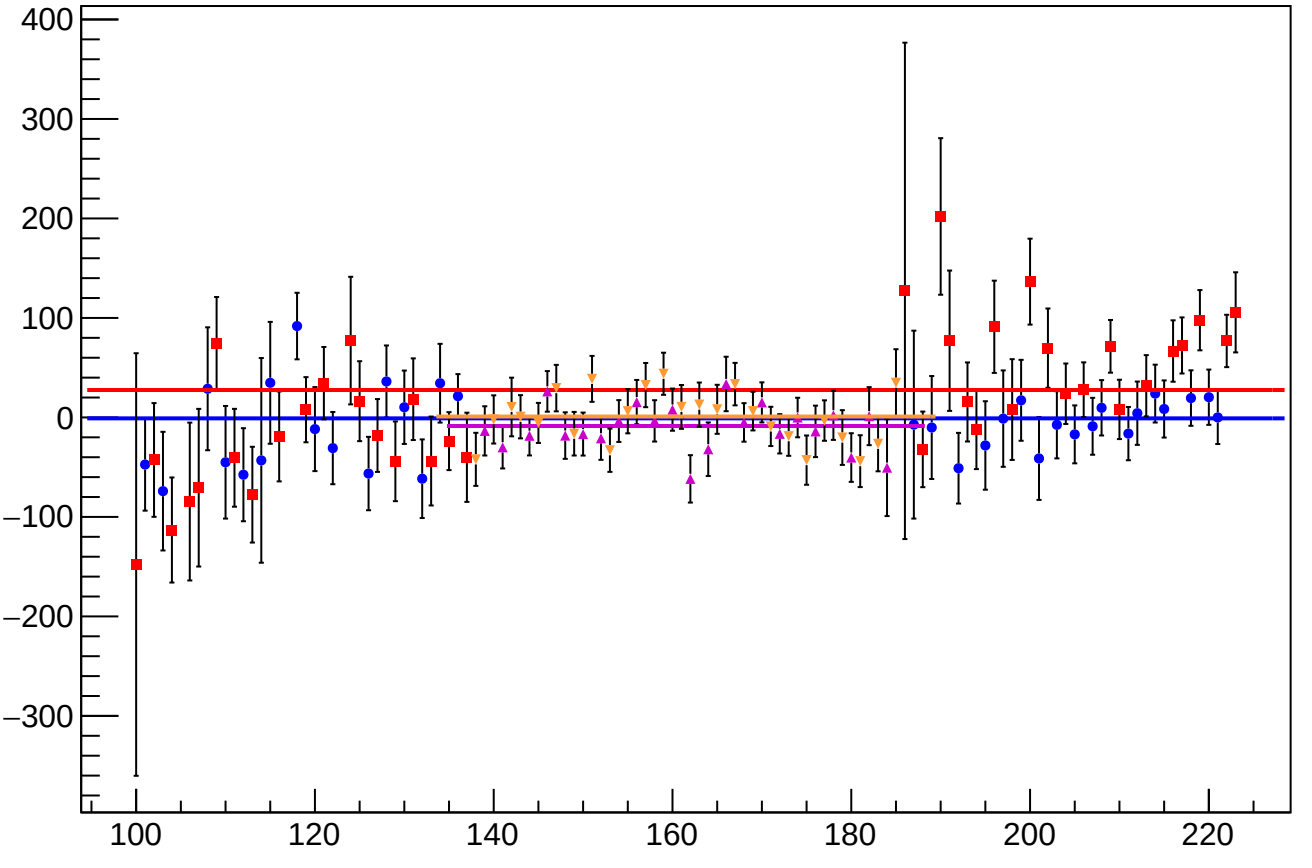
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 22256373.7/72

In: 0.000+/-0.000 χ^2/NDF:20457772.6/56

Out: 0.000+/-0.000 χ^2/NDF:23347311.9/63

All: 0.000+/-0.000 χ^2/NDF: 43961586.1/120



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

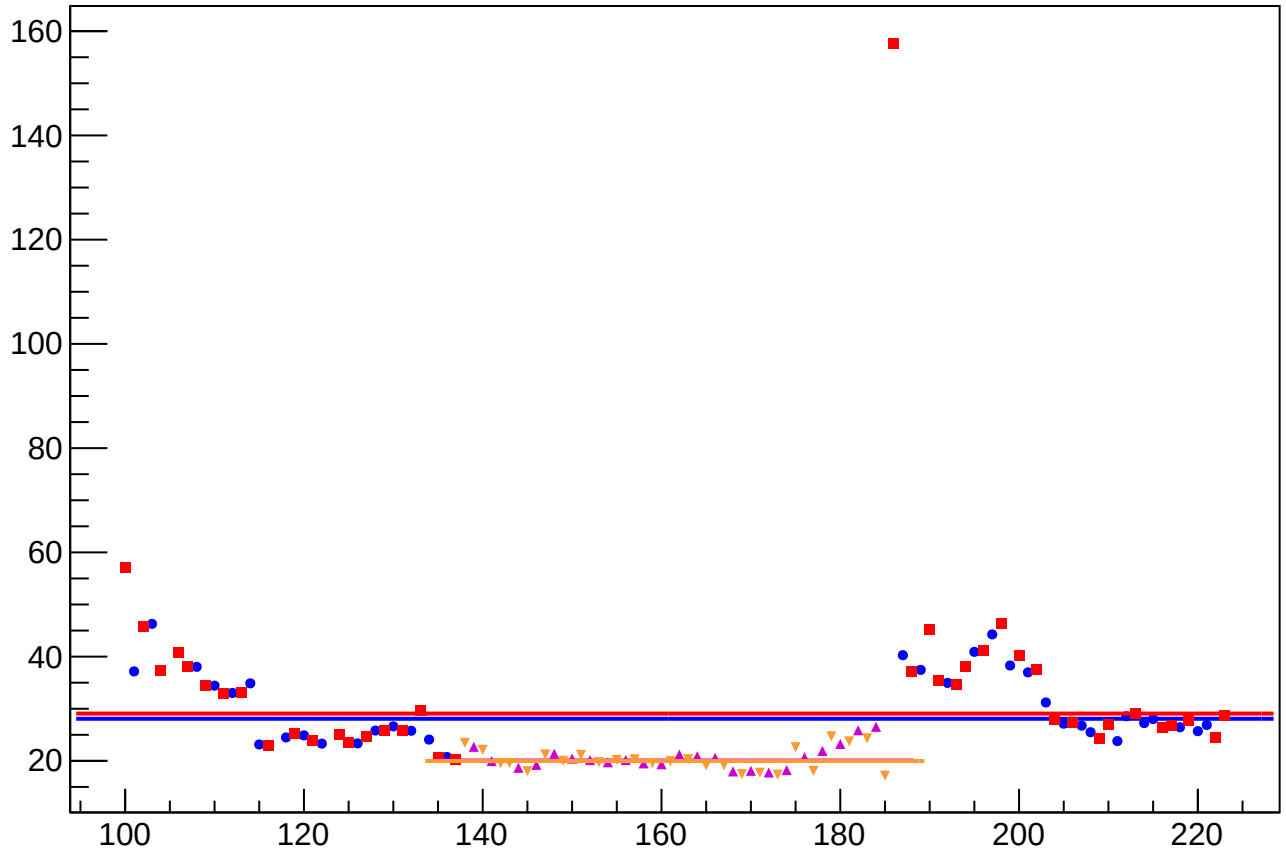
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 12.961+/-4.388 χ^2/NDF: 112.3/72

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 10.148+/-3.698 χ^2/NDF:115.0/63

All: 2.293+/-2.630 χ^2/NDF: 172.2/120



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

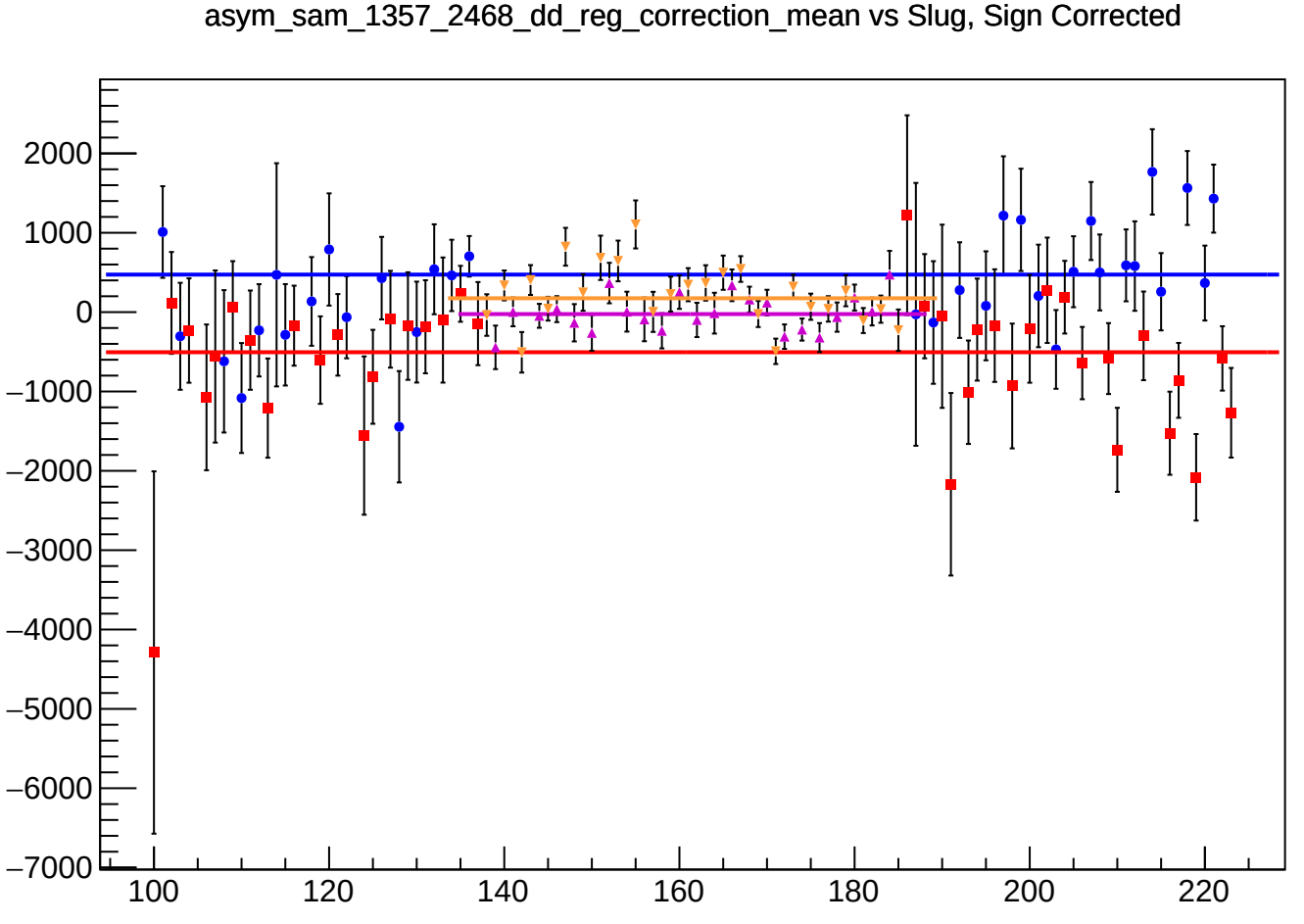
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 28.561+/-0.003 χ^2/NDF: 4131461.0/72

In: 23.056+/-0.003 χ^2/NDF:4087259.6/56

Out: 23.120+/-0.003 χ^2/NDF:5589466.7/63

All: 23.088+/-0.002 χ^2/NDF: 9677022.9/120



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

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

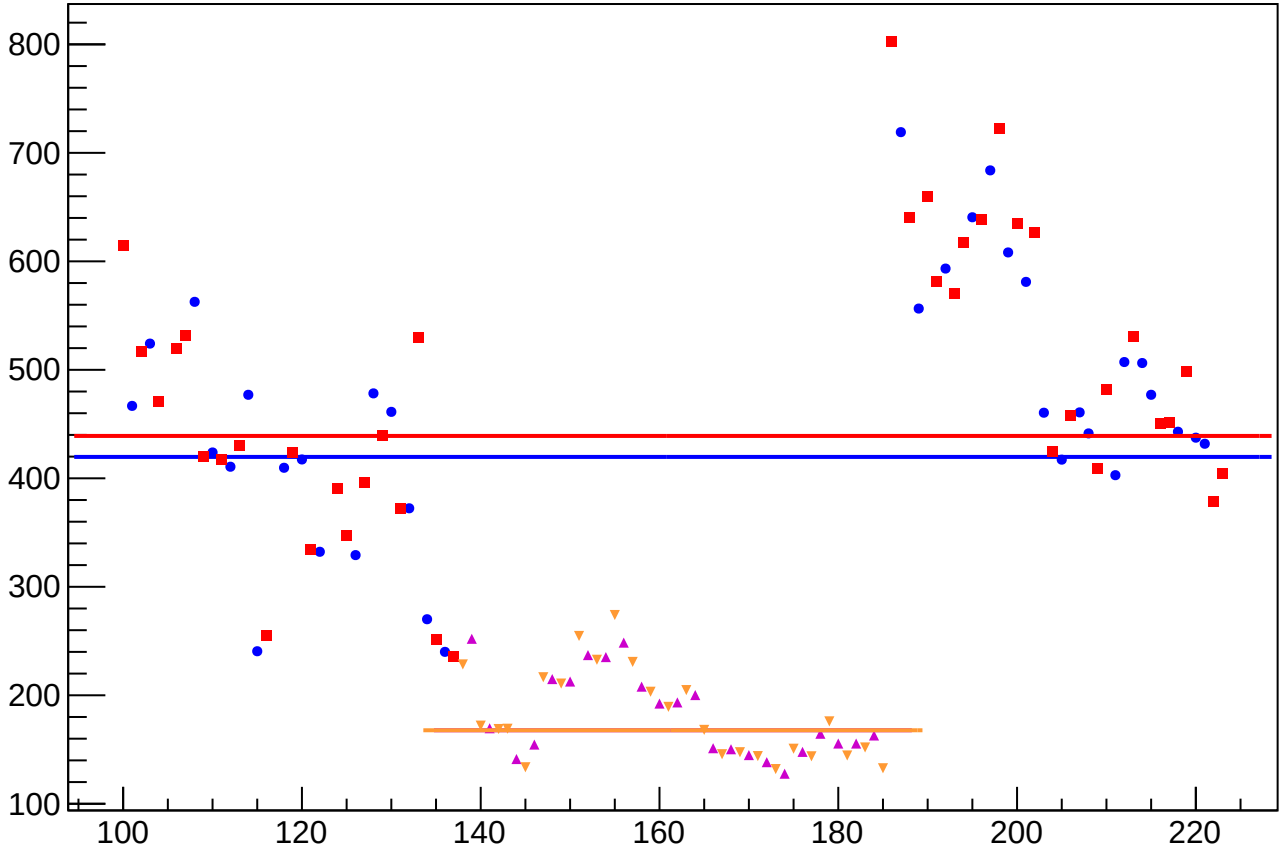
Right: -3.466+/-66.423 χ^2/NDF: 147.6/72

In: 53.707+/-36.784 χ^2/NDF:99.5/56

Out: 76.706+/-36.127 χ^2/NDF:159.9/63

All: 65.414+/-25.775 χ^2/NDF: 259.7/120

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



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

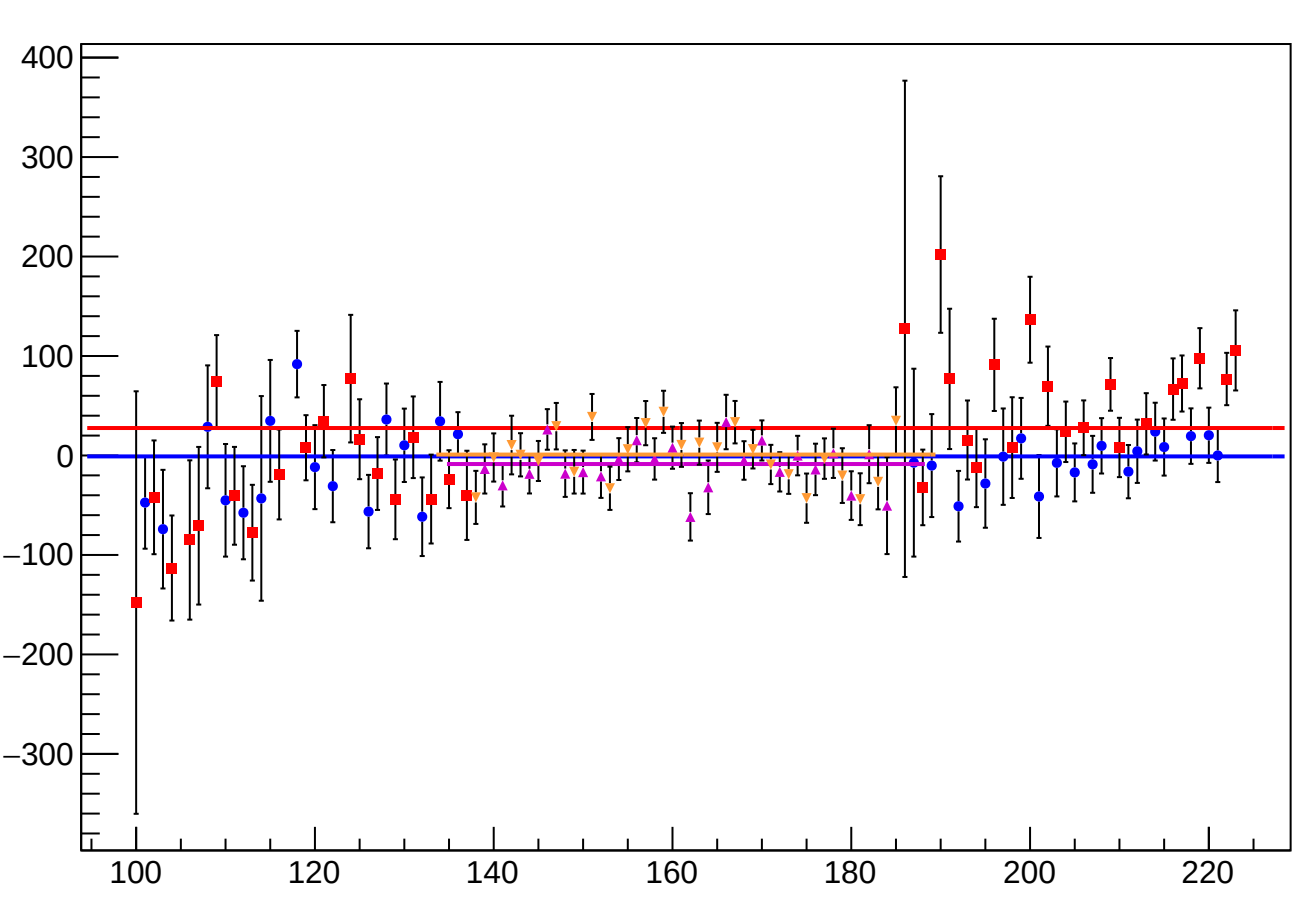
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 429.146+/-0.047 χ^2/NDF: 5909916.0/72

In: 207.386+/-0.026 χ^2/NDF:16701453.8/56

Out: 206.844+/-0.026 χ^2/NDF:18498942.9/63

All: 207.110+/-0.018 χ^2/NDF: 35200618.0/12



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

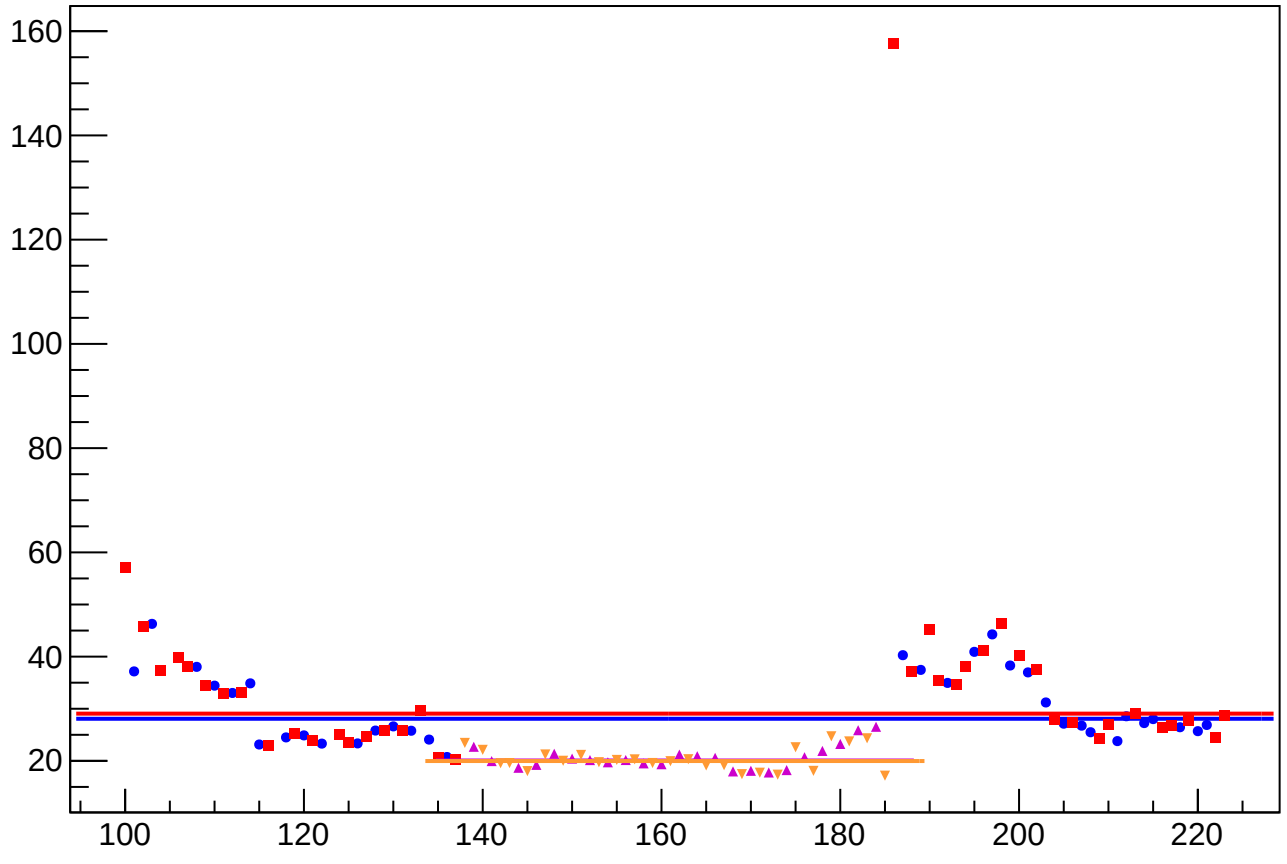
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 12.970+/-4.388 χ^2/NDF: 112.3/72

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 10.153+/-3.698 χ^2/NDF:115.0/63

All: 2.296+/-2.630 χ^2/NDF: 172.2/120



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

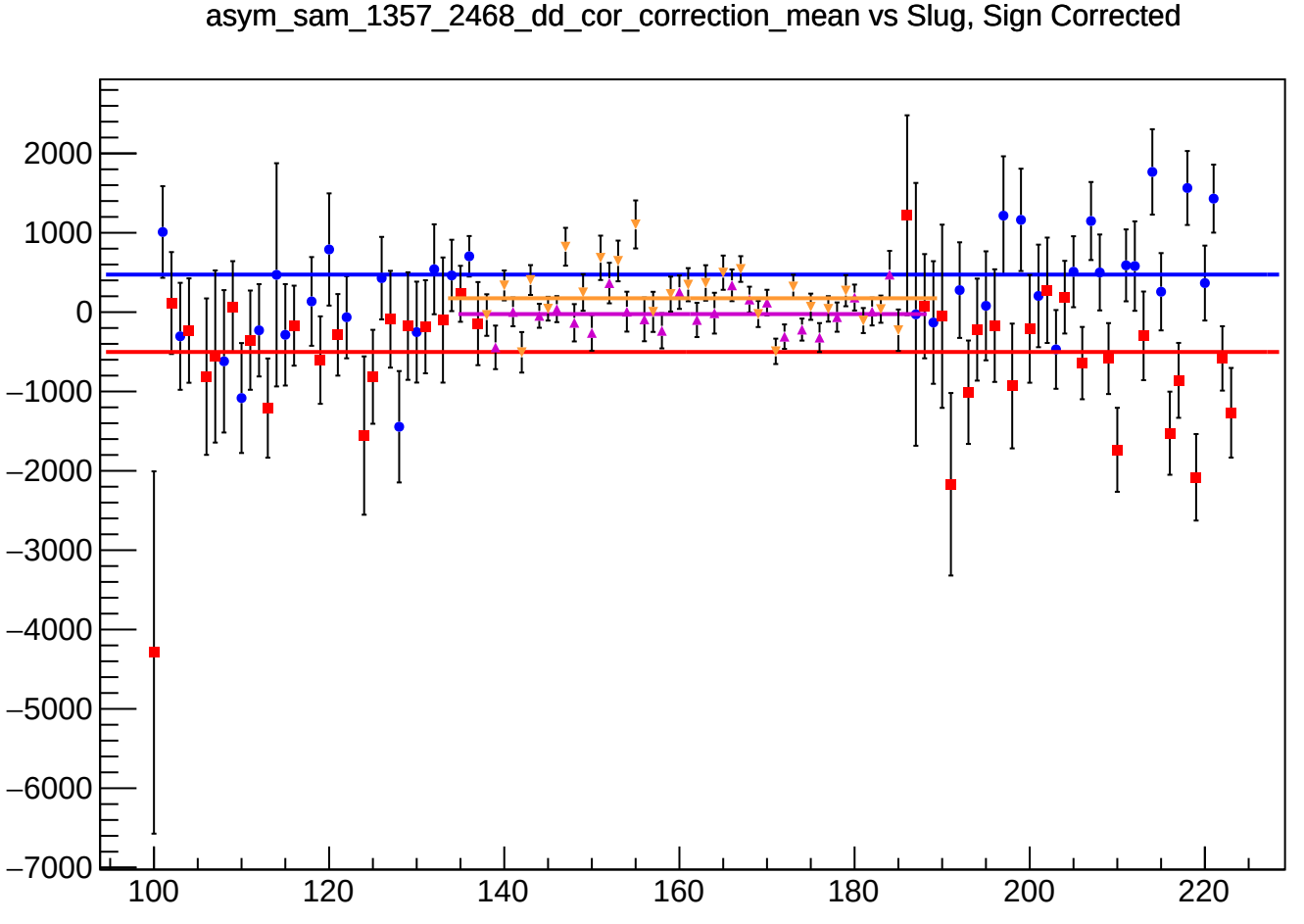
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.557+/-0.003 χ^2/NDF: 4122891.7/72

In: 23.056+/-0.003 χ^2/NDF:4087263.0/56

Out: 23.117+/-0.003 χ^2/NDF:5576281.7/63

All: 23.087+/-0.002 χ^2/NDF: 9663814.0/120



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

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

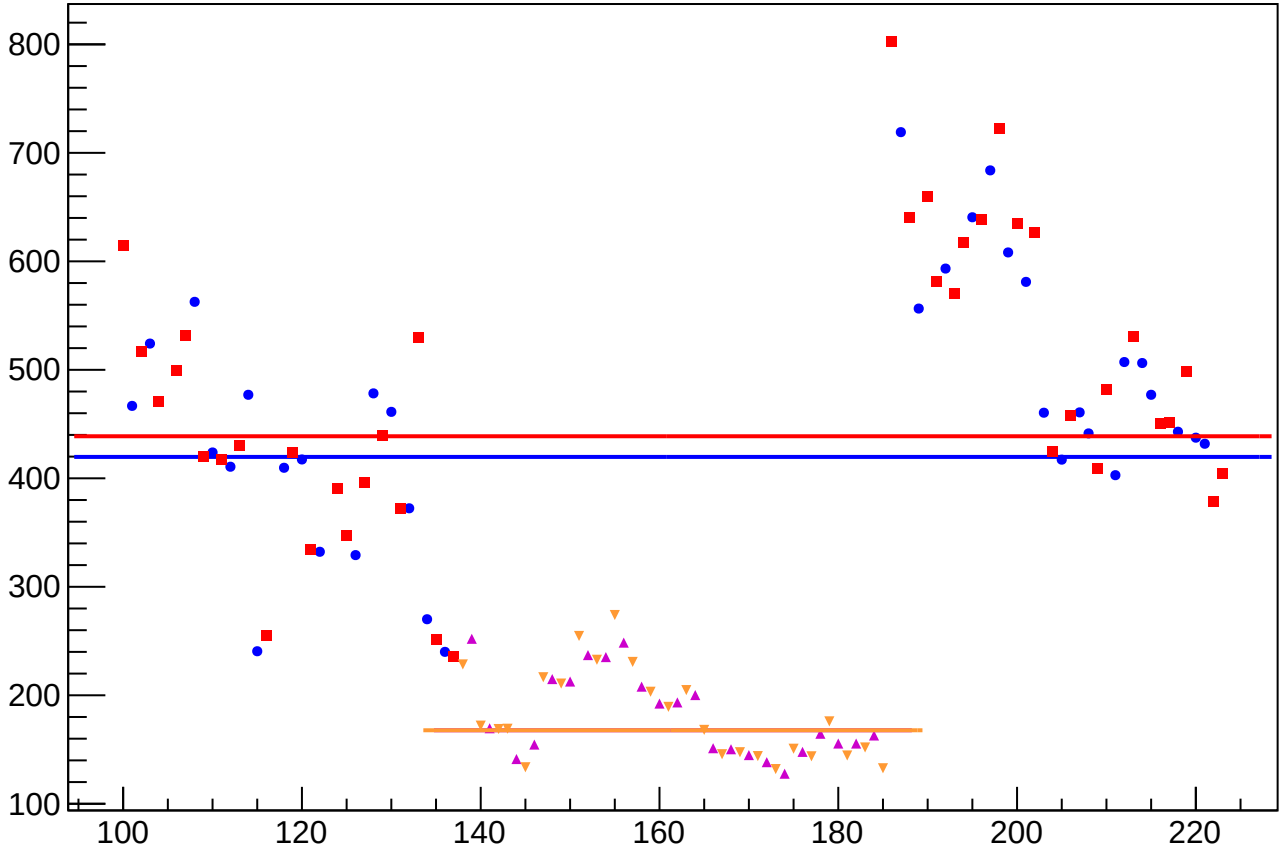
Right: -1.562+/-66.446 χ^2/NDF: 147.0/72

In: 53.706+/-36.784 χ^2/NDF:99.5/56

Out: 77.284+/-36.130 χ^2/NDF:159.2/63

All: 65.706+/-25.776 χ^2/NDF: 258.9/120

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



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

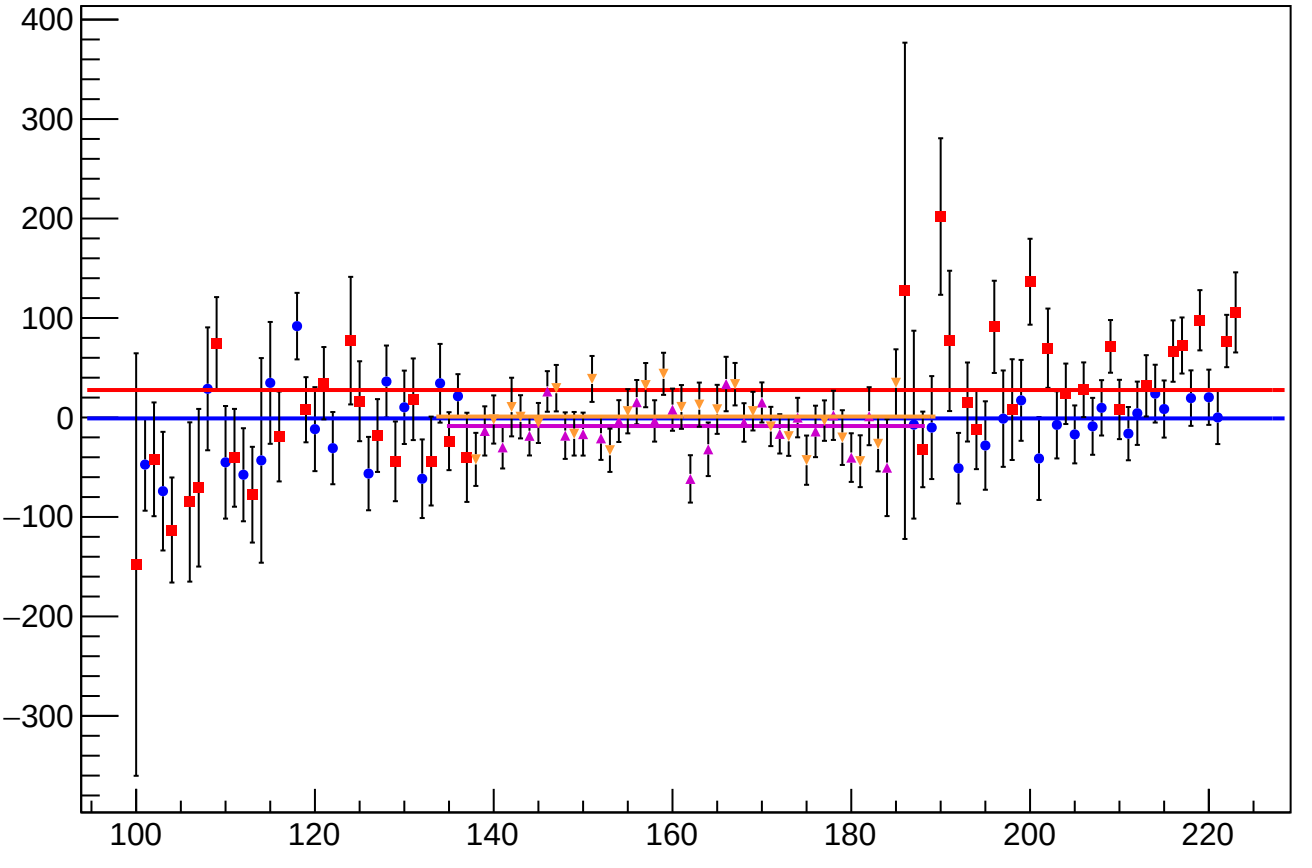
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 428.992+/-0.047 χ^2/NDF: 5900788.4/72

In: 207.386+/-0.026 χ^2/NDF:16701465.9/56

Out: 206.753+/-0.026 χ^2/NDF:18443315.2/63

All: 207.064+/-0.018 χ^2/NDF: 35145083.0/12



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

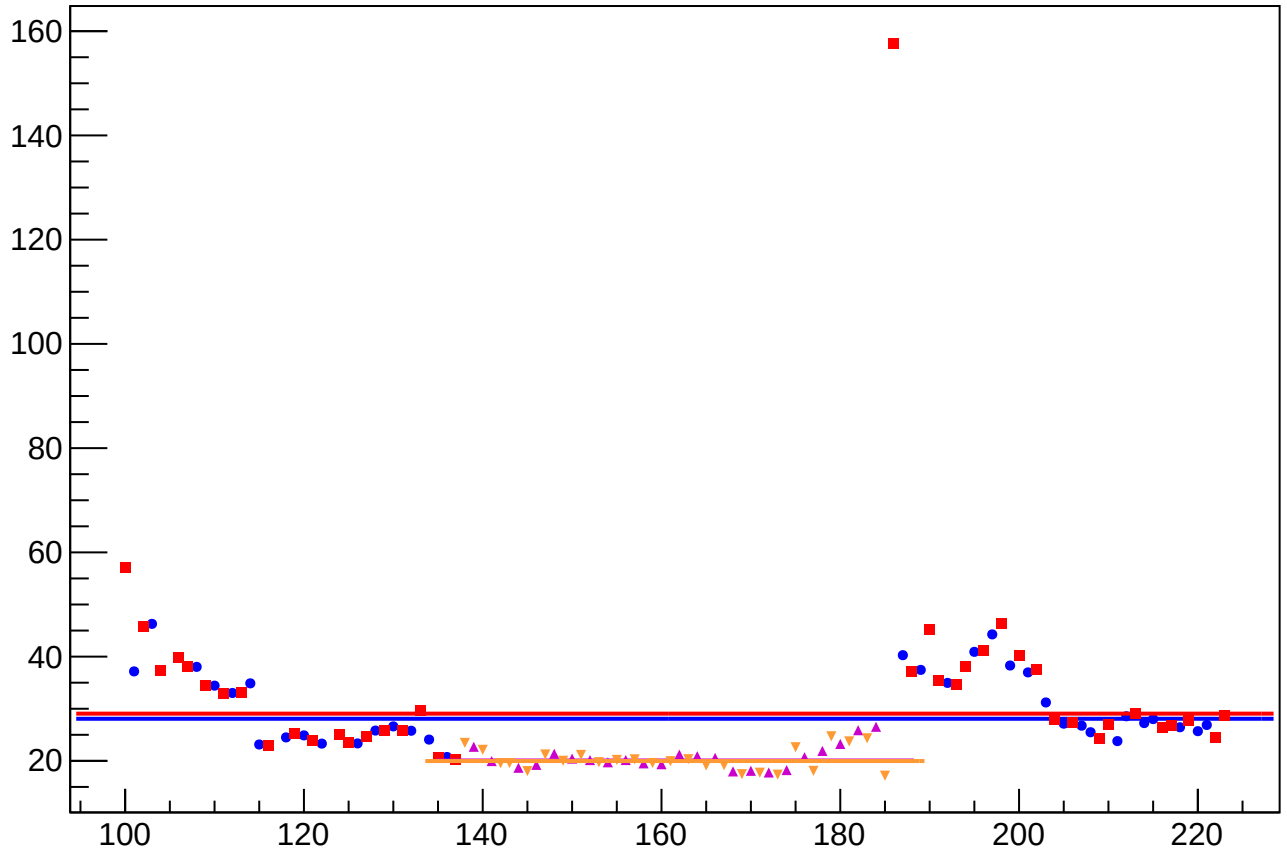
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 12.970+/-4.388 χ^2/NDF: 112.3/72

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 10.153+/-3.698 χ^2/NDF:115.0/63

All: 2.296+/-2.630 χ^2/NDF: 172.2/120



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

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

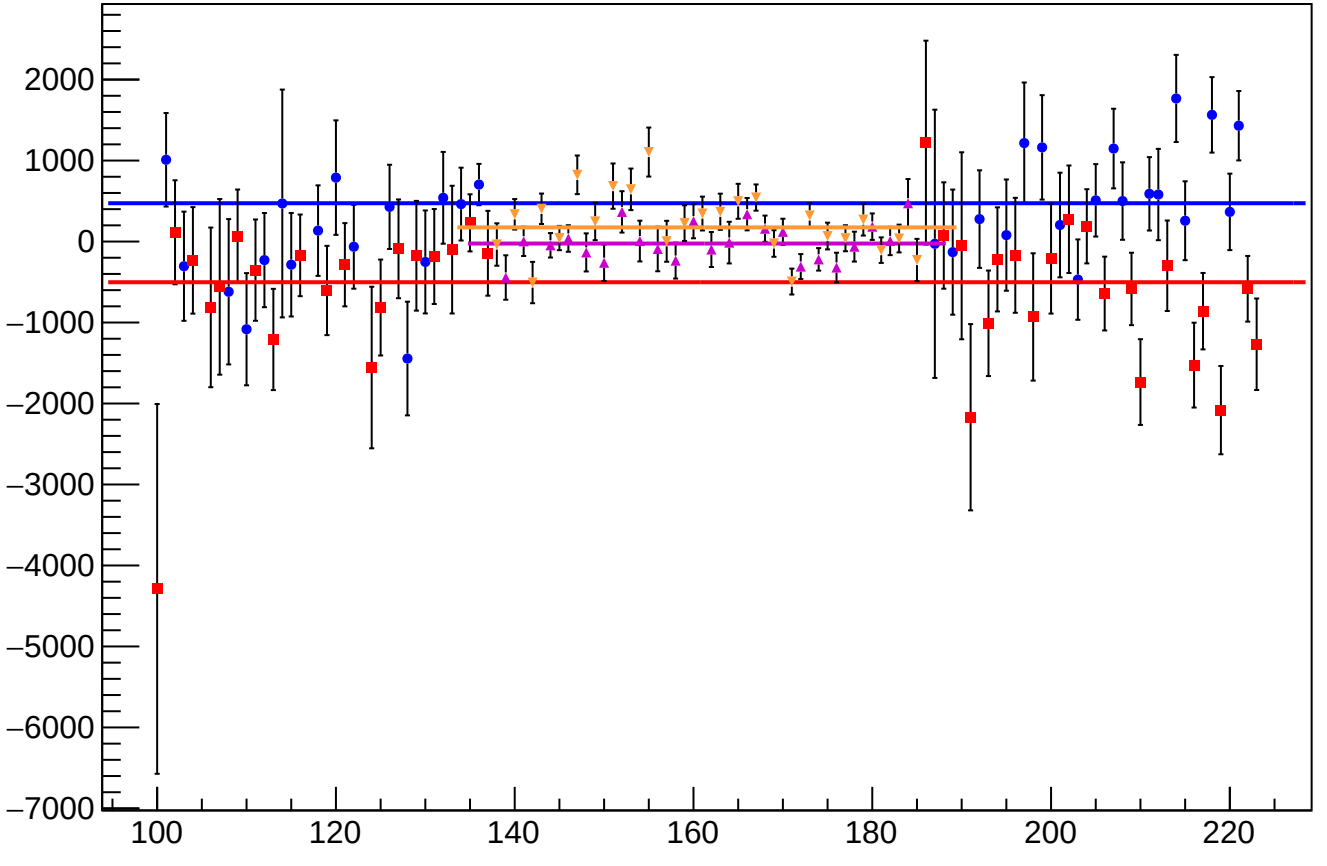
Right: 28.557+/-0.003 χ^2/NDF: 4122891.7/72

In: 23.056+/-0.003 χ^2/NDF:4087263.0/56

Out: 23.117+/-0.003 χ^2/NDF:5576281.7/63

All: 23.087+/-0.002 χ^2/NDF: 9663814.0/120

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

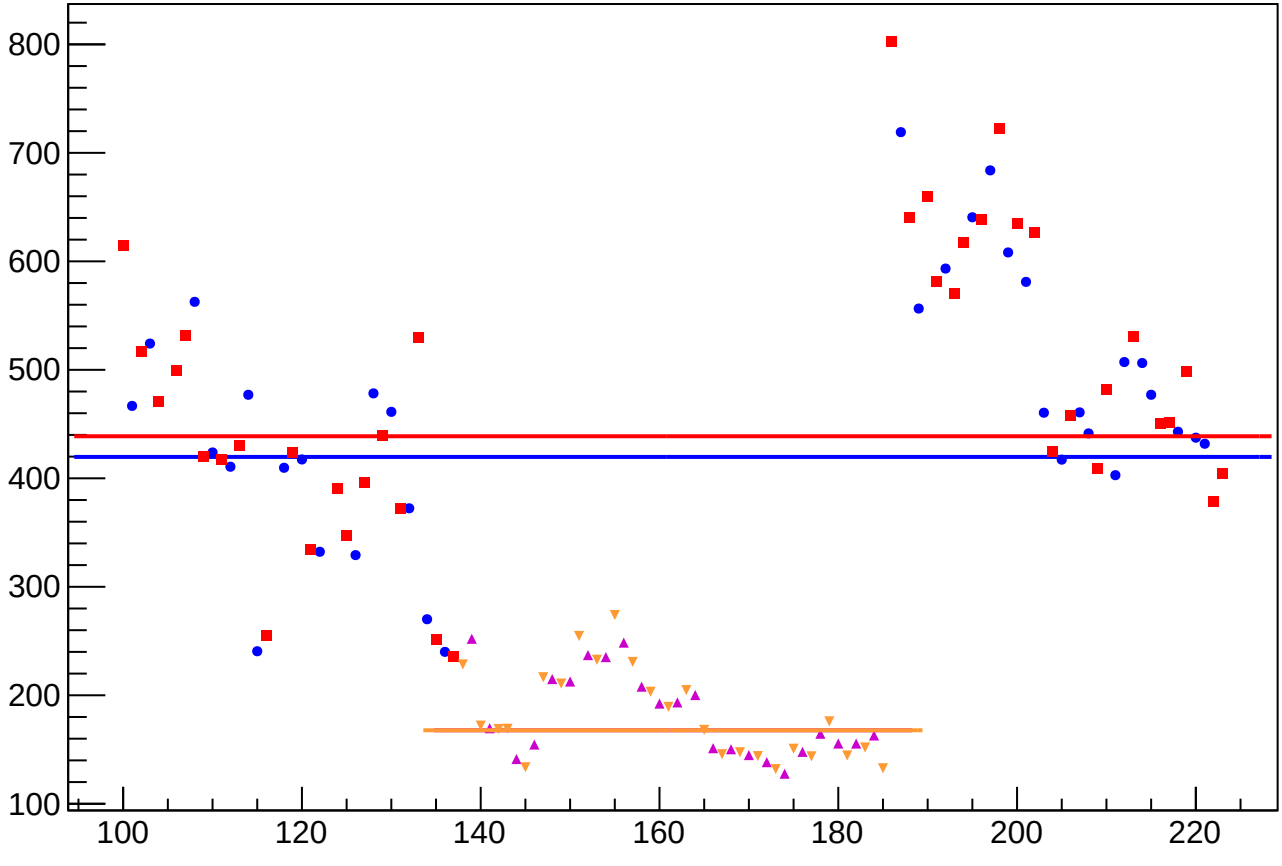
Right: -1.562+/-66.446 χ^2/NDF: 147.0/72

In: 53.706+/-36.784 χ^2/NDF:99.5/56

Out: 77.284+/-36.130 χ^2/NDF:159.2/63

All: 65.706+/-25.776 χ^2/NDF: 258.9/120

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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

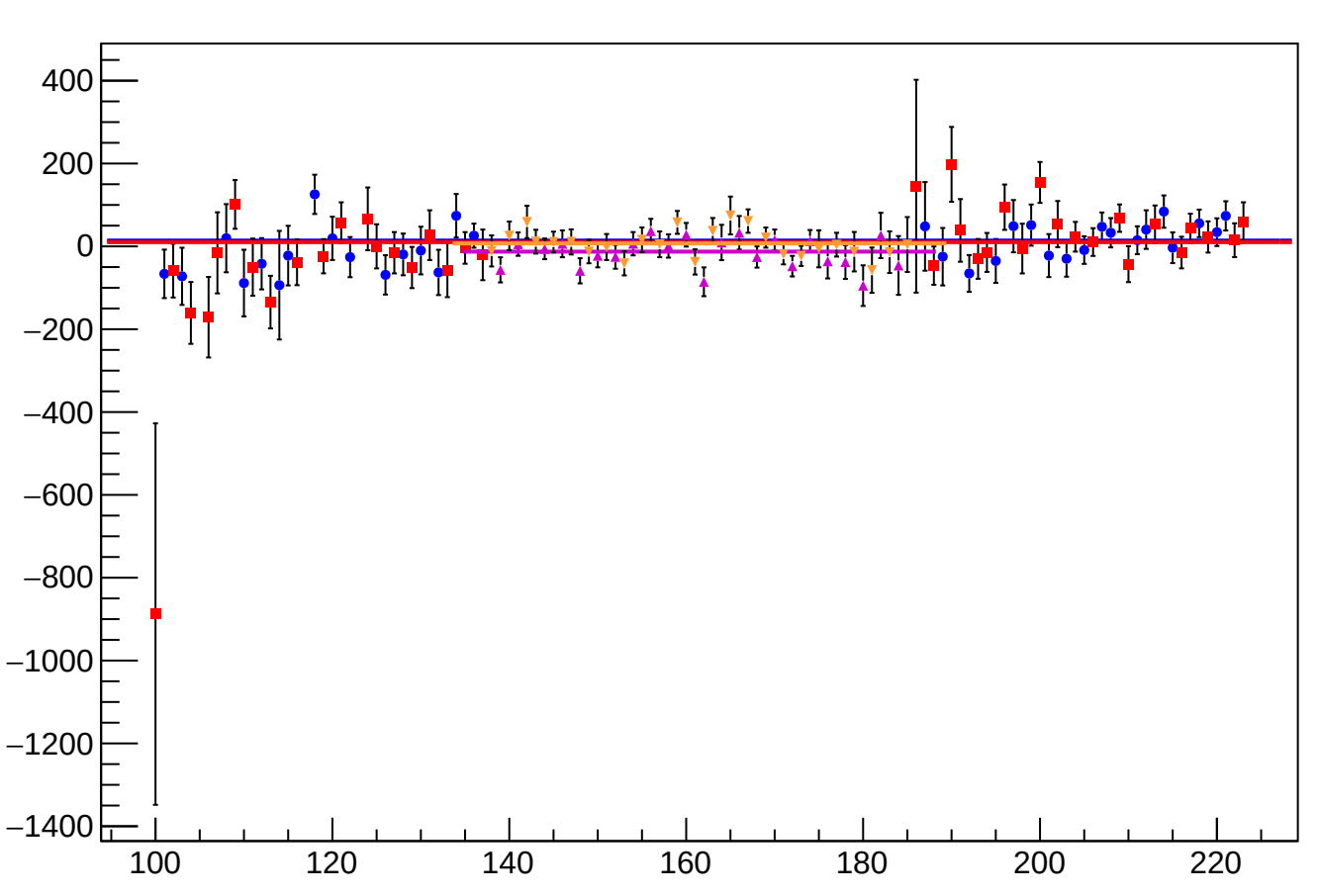
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 428.992+/-0.047 χ^2/NDF: 5900788.4/72

In: 207.386+/-0.026 χ^2/NDF:16701465.9/56

Out: 206.753+/-0.026 χ^2/NDF:18443315.2/63

All: 207.064+/-0.018 χ^2/NDF: 35145083.0/12



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

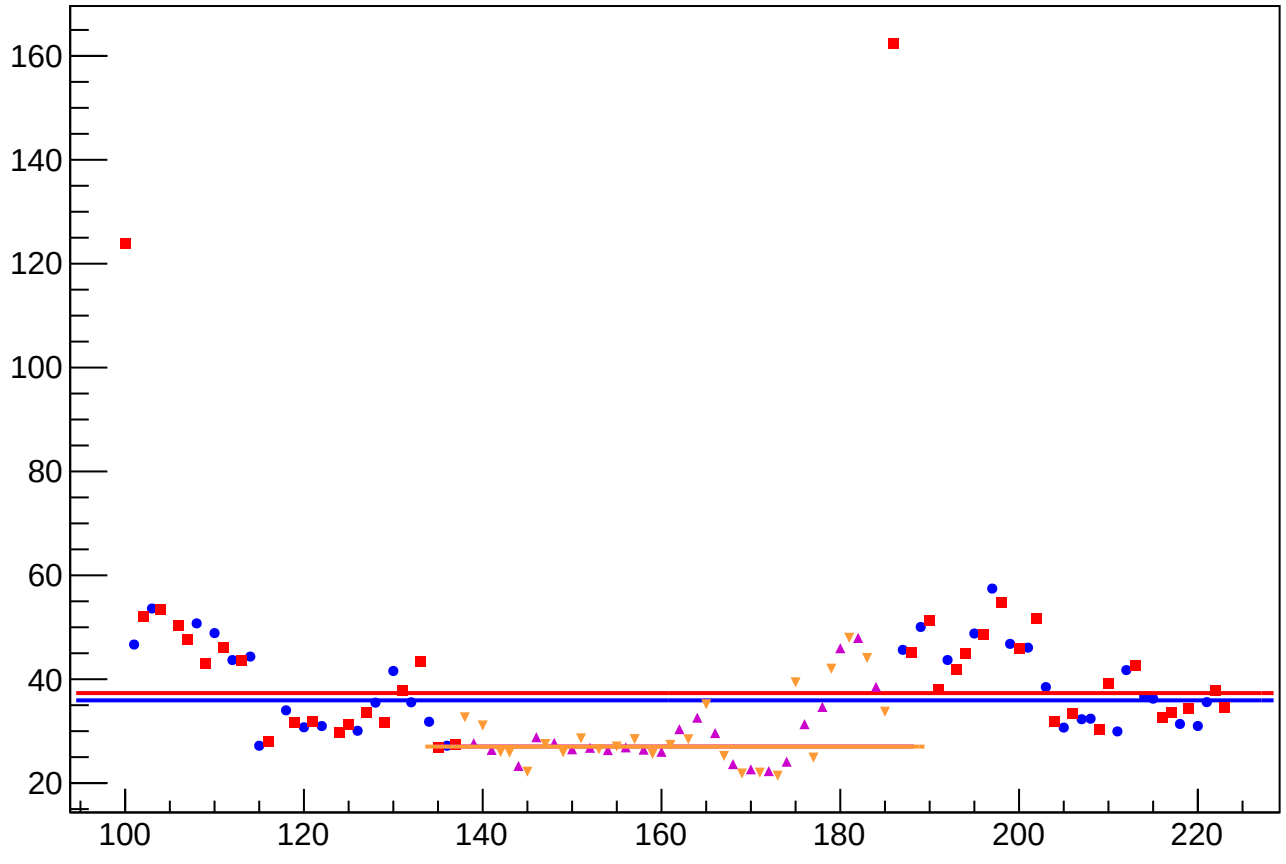
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 12.113+/-5.635 χ^2/NDF: 92.5/72

In: -1.863+/-5.018 χ^2/NDF:69.6/56

Out: 8.259+/-4.983 χ^2/NDF:78.0/63

All: 3.233+/-3.536 χ^2/NDF: 149.7/120



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

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

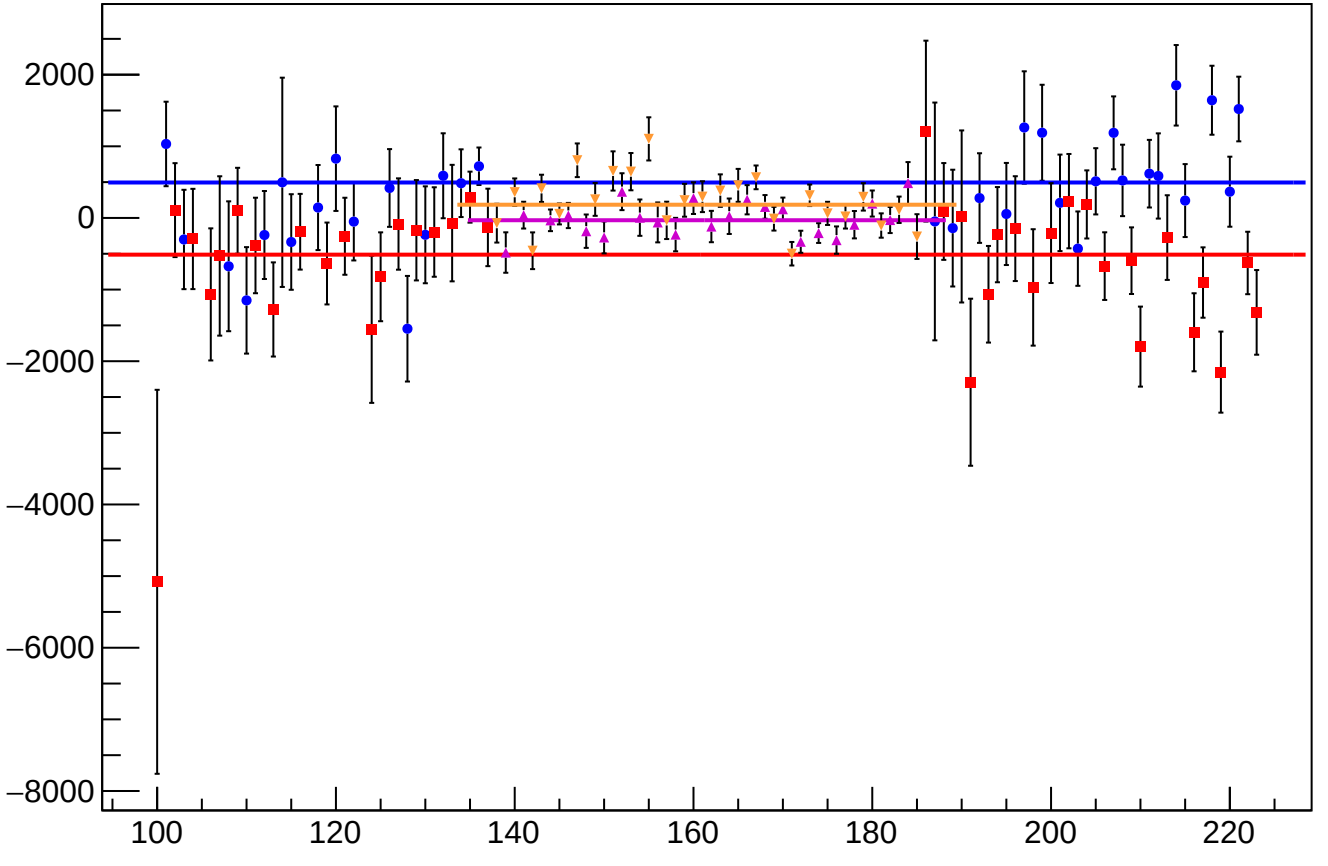
Right: 36.613+/-0.004 χ^2/NDF: 3841928.1/72

In: 30.661+/-0.004 χ^2/NDF:4184033.0/56

Out: 30.952+/-0.004 χ^2/NDF:5629589.2/63

All: 30.808+/-0.003 χ^2/NDF: 9816999.3/120

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



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

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

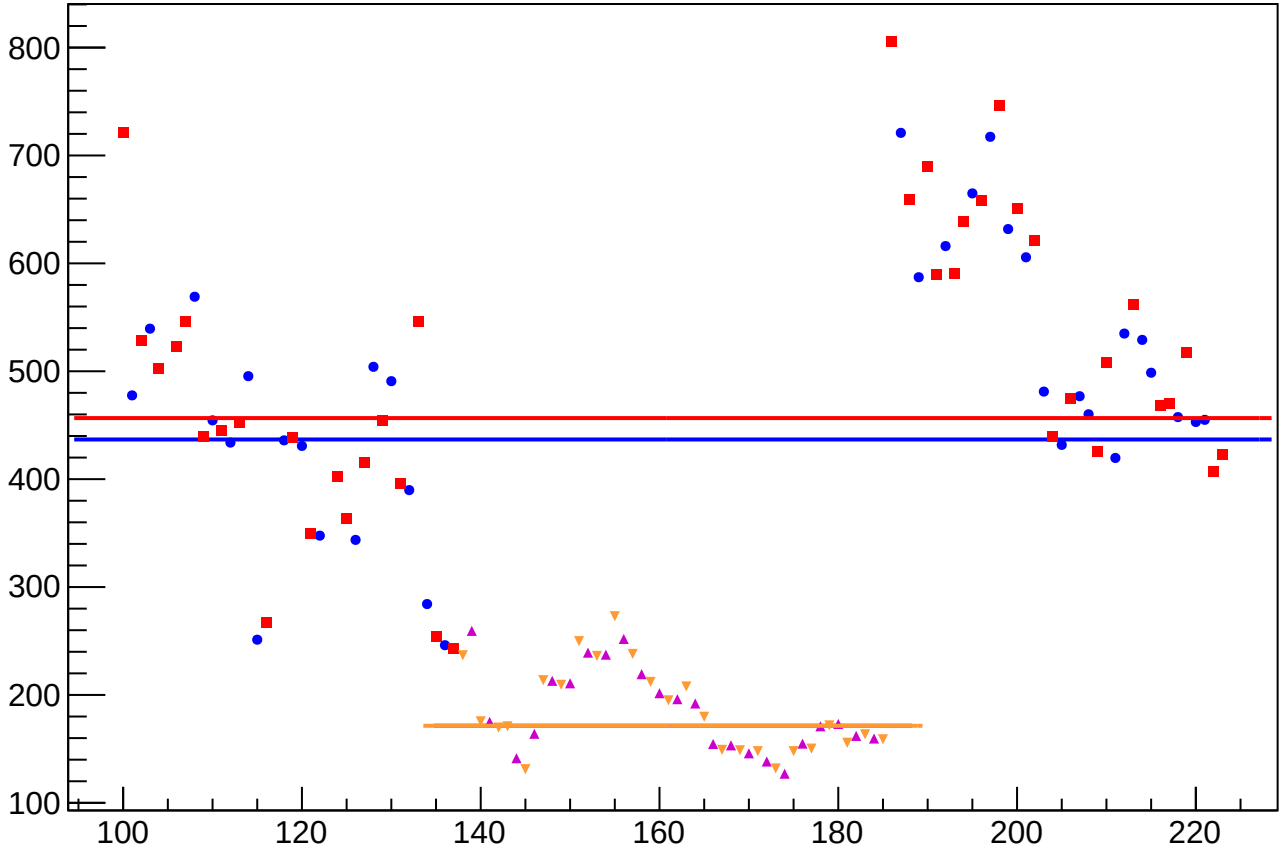
Right: 3.442+/-69.093 χ^2/NDF: 147.7/72

In: 48.507+/-37.718 χ^2/NDF:100.0/56

Out: 87.414+/-36.949 χ^2/NDF:156.6/63

All: 68.361+/-26.395 χ^2/NDF: 257.2/120

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



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

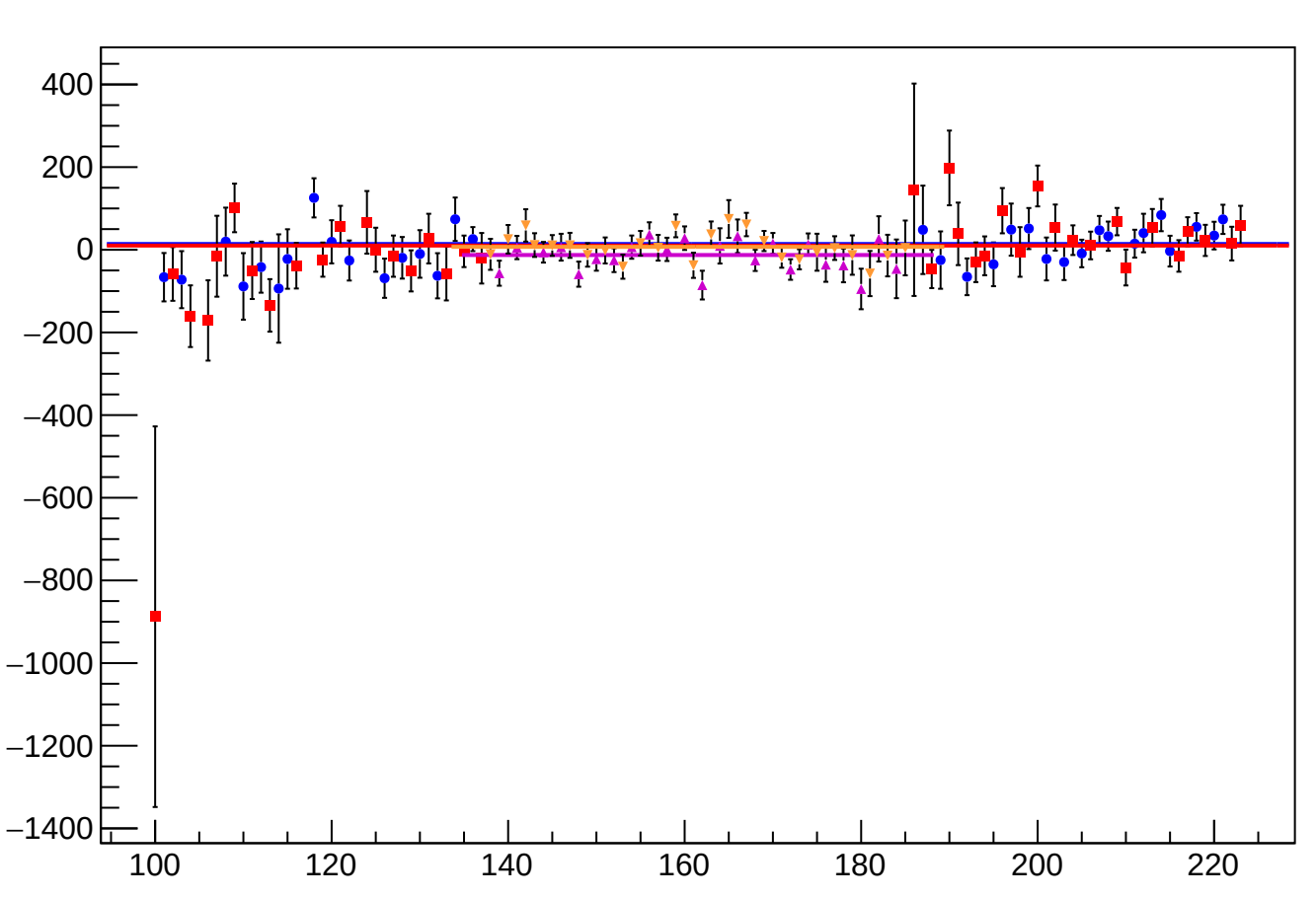
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 446.451+/-0.049 χ^2/NDF: 5927781.0/72

In: 211.982+/-0.027 χ^2/NDF:17121589.8/56

Out: 211.212+/-0.026 χ^2/NDF:18806159.4/63

All: 211.589+/-0.019 χ^2/NDF: 35928175.0/12



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

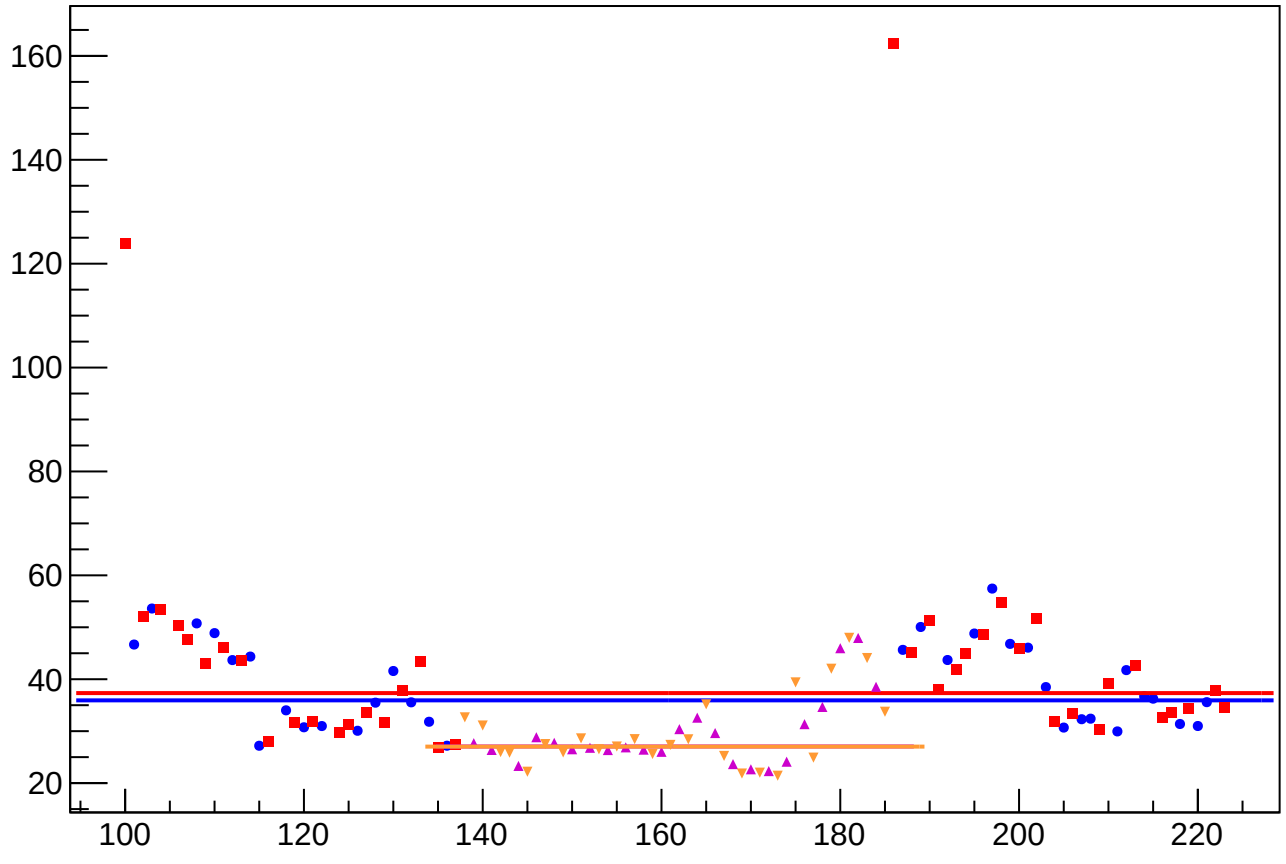
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 12.112+/-5.635 χ^2/NDF: 92.5/72

In: -1.864+/-5.018 χ^2/NDF:69.6/56

Out: 8.259+/-4.983 χ^2/NDF:78.0/63

All: 3.233+/-3.536 χ^2/NDF: 149.7/120



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

Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

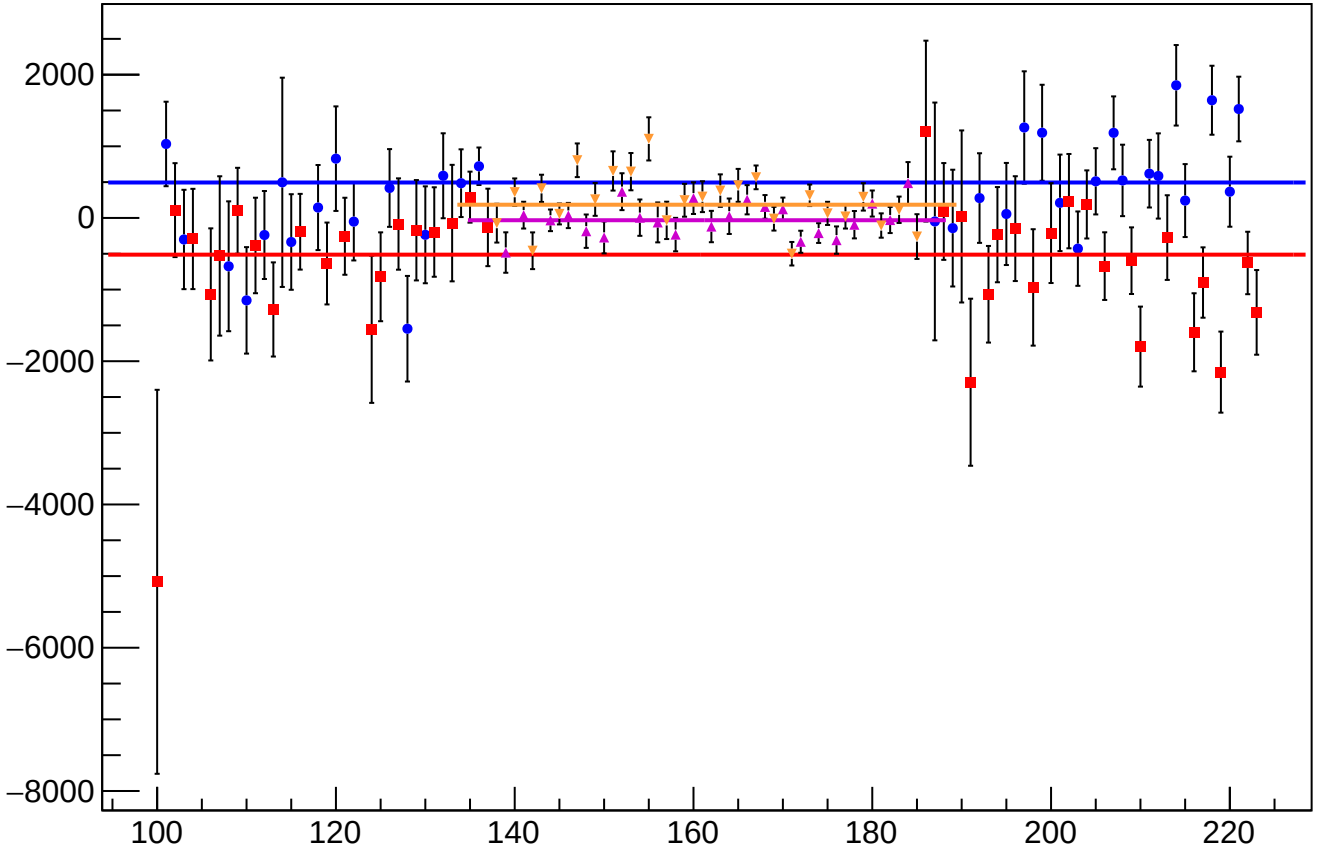
Right: 36.613+/-0.004 χ^2/NDF: 3841917.4/72

In: 30.661+/-0.004 χ^2/NDF:4183888.4/56

Out: 30.952+/-0.004 χ^2/NDF:5629496.1/63

All: 30.807+/-0.003 χ^2/NDF: 9816764.1/120

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

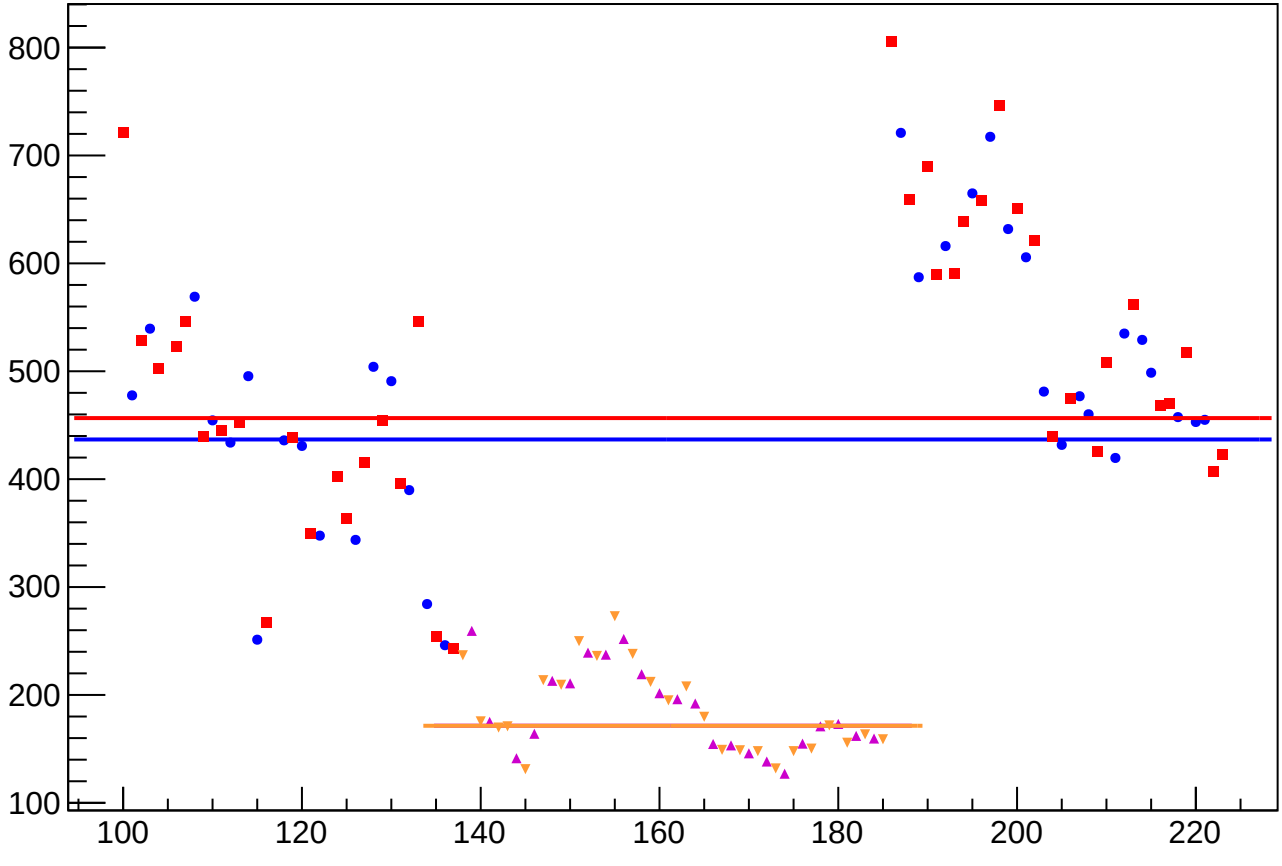
Right: 3.442+/-69.093 χ^2/NDF: 147.7/72

In: 48.506+/-37.718 χ^2/NDF:100.0/56

Out: 87.414+/-36.949 χ^2/NDF:156.6/63

All: 68.361+/-26.395 χ^2/NDF: 257.2/120

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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

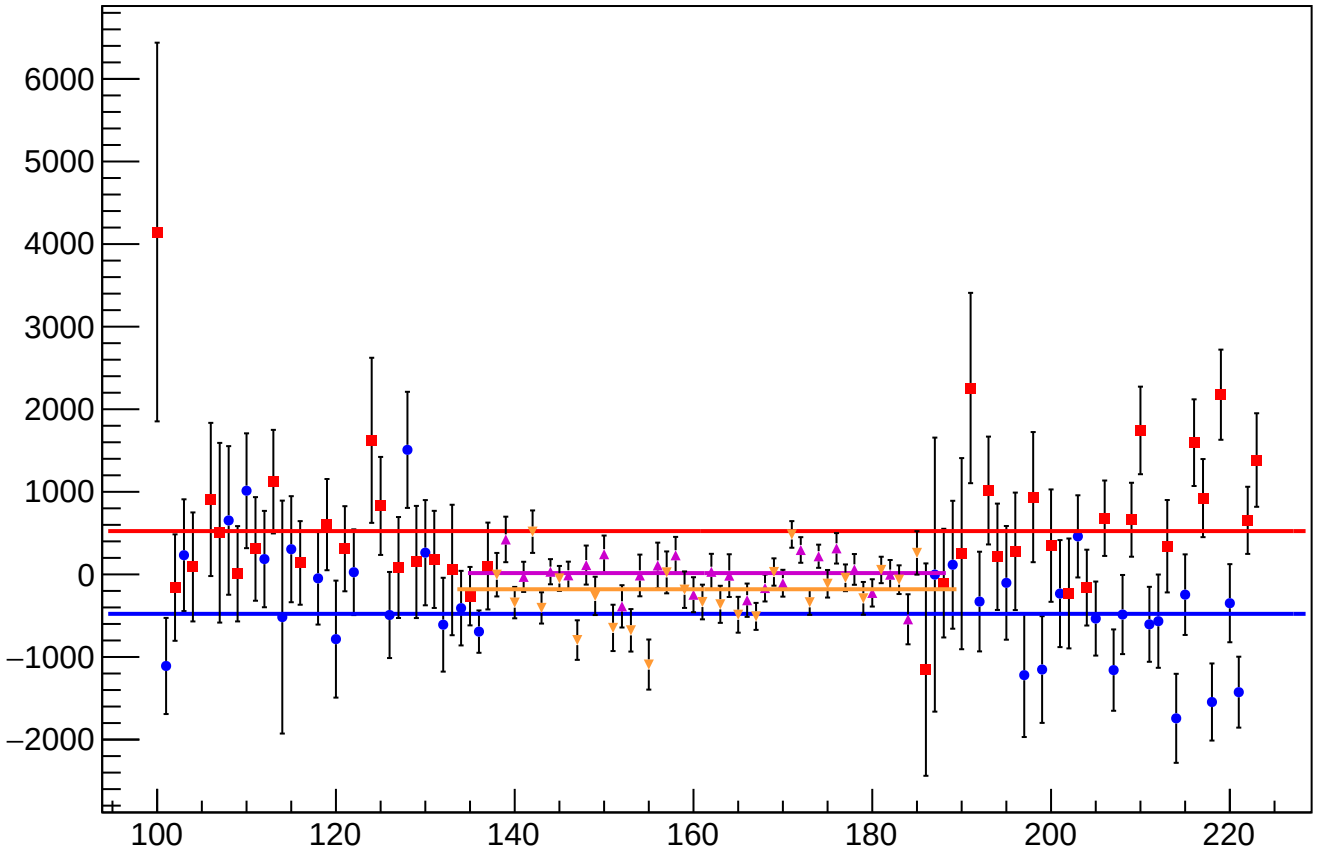
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 446.451+/-0.049 χ^2/NDF: 5927799.7/72

In: 211.981+/-0.027 χ^2/NDF:17121645.9/56

Out: 211.211+/-0.026 χ^2/NDF:18806227.0/63

All: 211.588+/-0.019 χ^2/NDF: 35928298.6/12



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

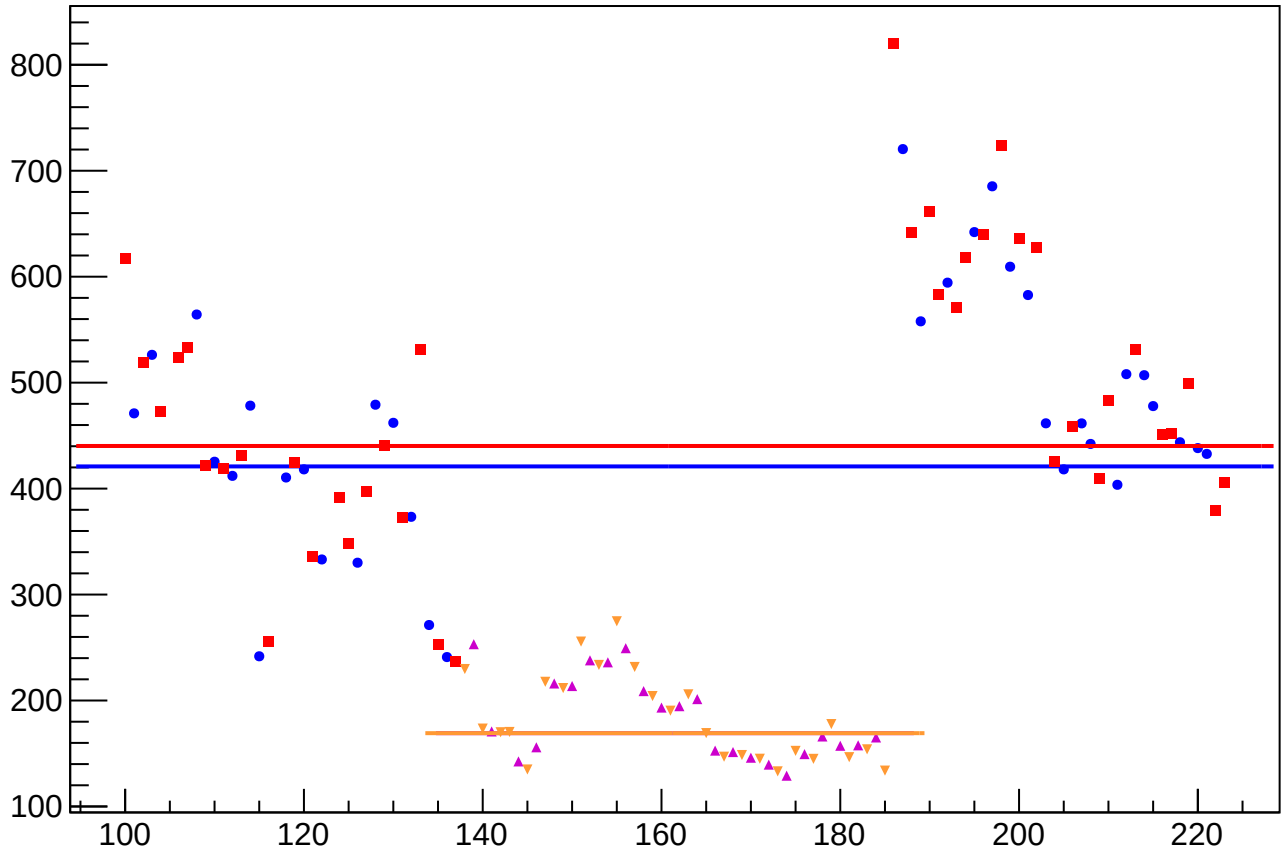
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 10.587+/-66.601 χ^2/NDF: 151.5/72

In: -62.288+/-37.051 χ^2/NDF:98.1/56

Out: -77.260+/-36.389 χ^2/NDF:160.8/63

All: -69.909+/-25.962 χ^2/NDF: 259.0/120



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

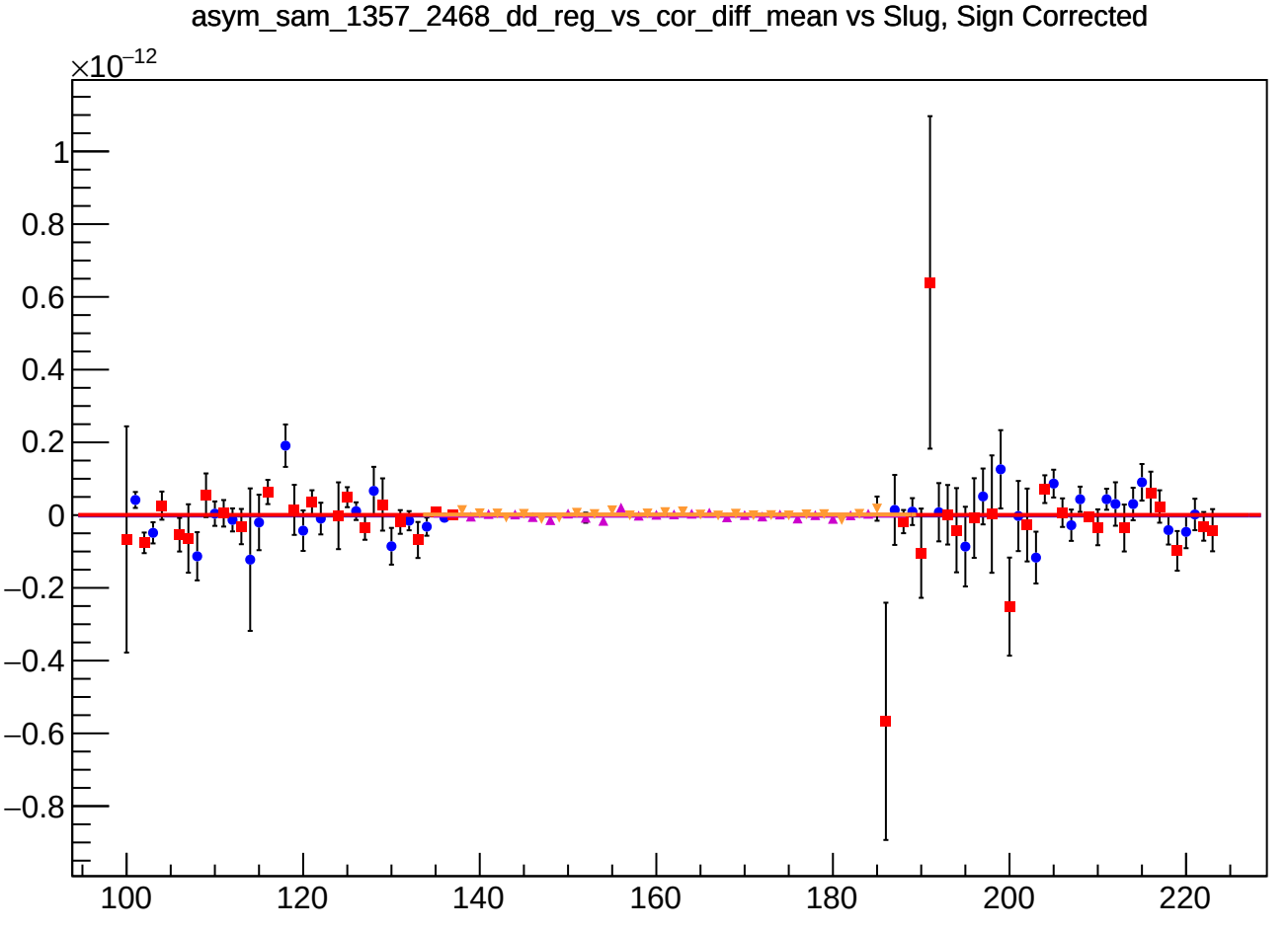
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 430.336+/-0.047 χ^2/NDF: 5896596.2/72

In: 209.151+/-0.026 χ^2/NDF:16550602.1/56

Out: 208.593+/-0.026 χ^2/NDF:18345687.5/63

All: 208.867+/-0.018 χ^2/NDF: 34896520.2/12



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

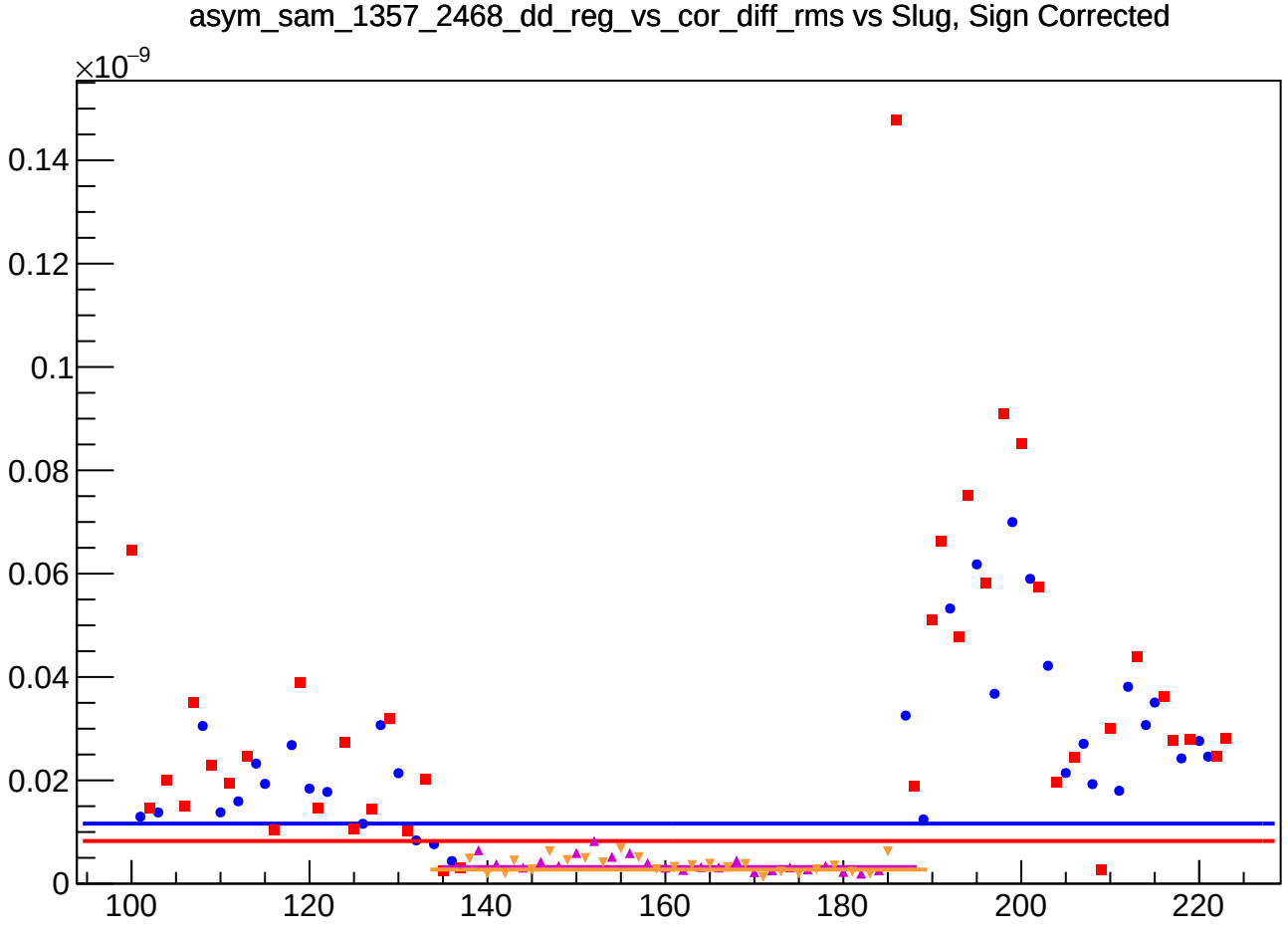
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 92.6/72

In: -0.000+/-0.000 χ^2/NDF:68.7/56

Out: 0.000+/-0.000 χ^2/NDF:62.3/63

All: 0.000+/-0.000 χ^2/NDF: 133.8/120



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

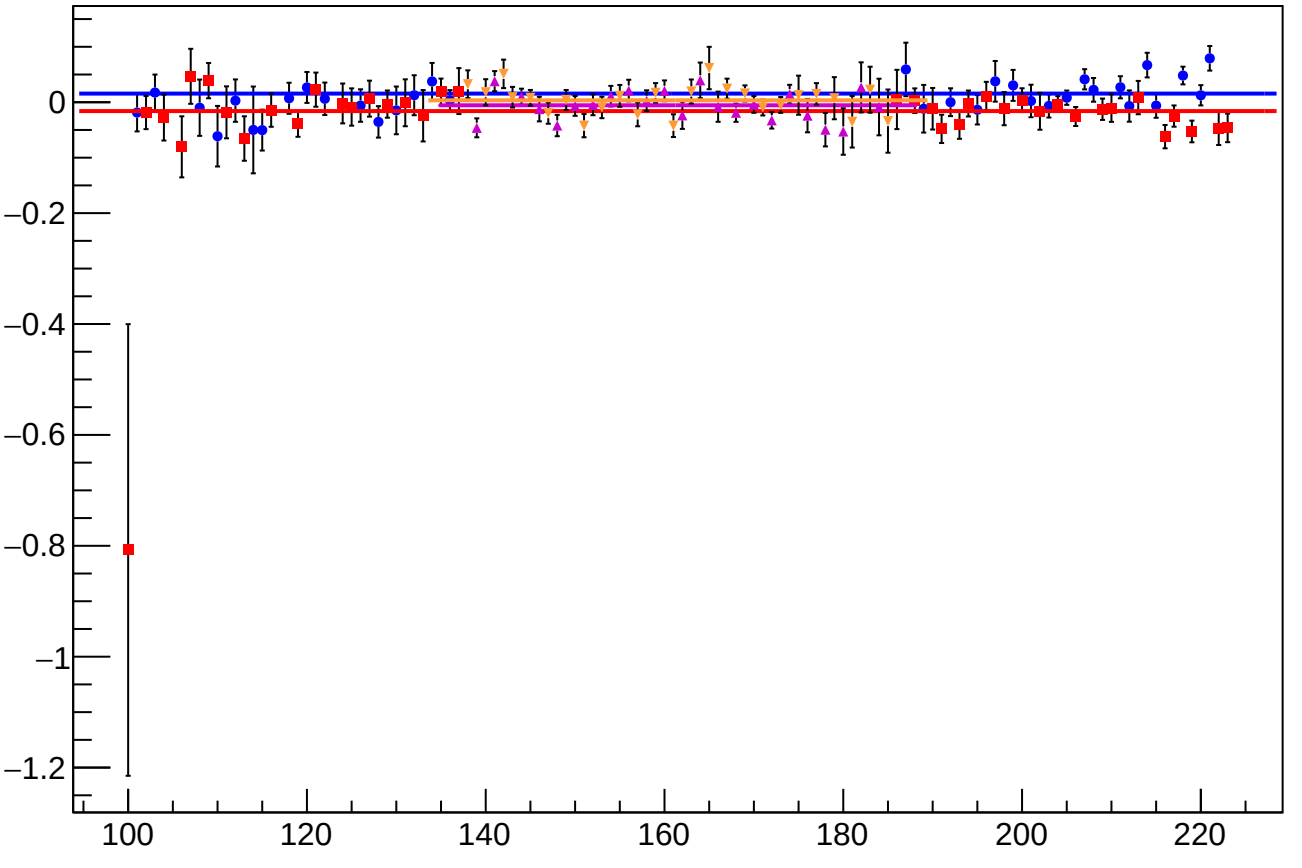
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19937502.3/72

In: 0.000+/-0.000 χ^2/NDF:14344080.0/56

Out: 0.000+/-0.000 χ^2/NDF:16355781.4/63

All: 0.000+/-0.000 χ^2/NDF: 31008942.9/120



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

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

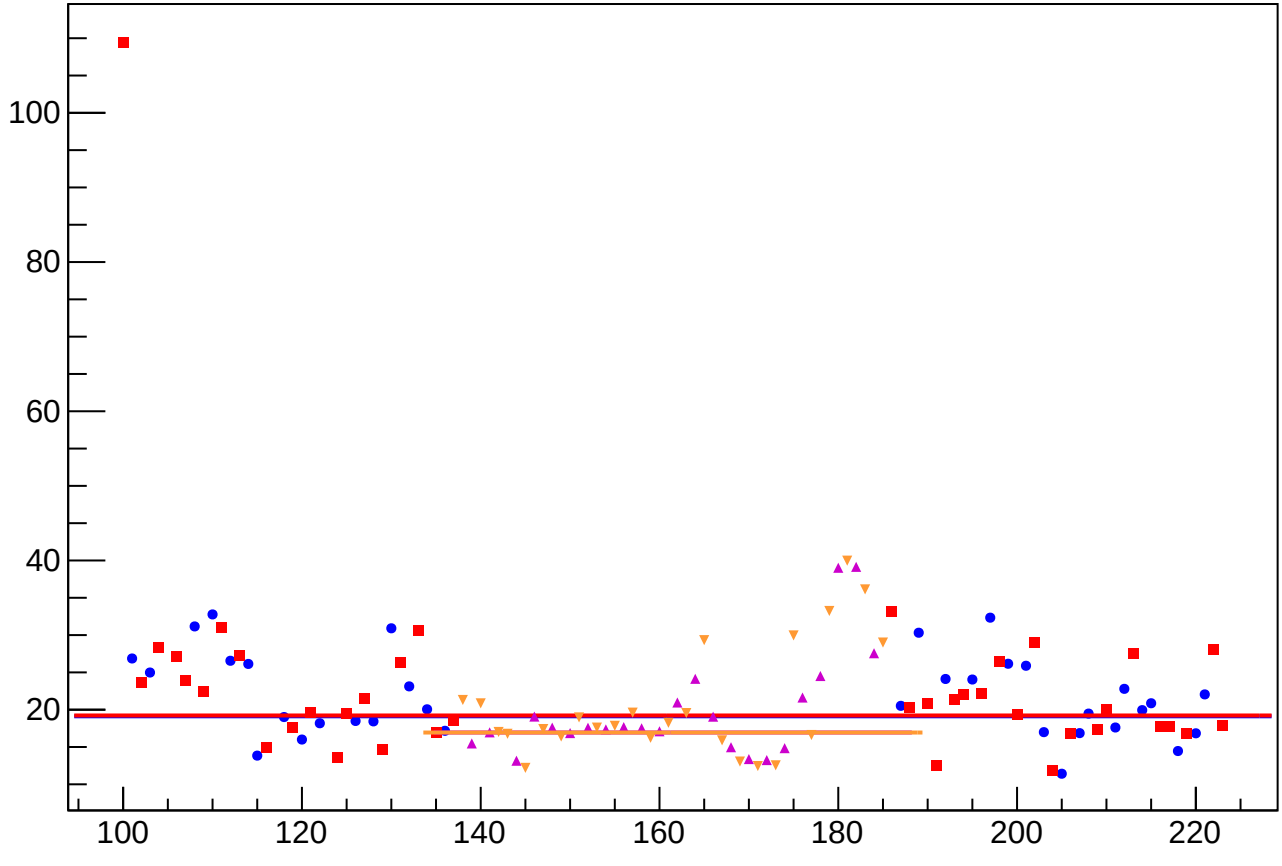
Right: -0.000+/-0.003 χ^2/NDF: 102.6/72

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.006+/-0.003 χ^2/NDF:74.0/63

All: -0.001+/-0.002 χ^2/NDF: 165.1/120

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

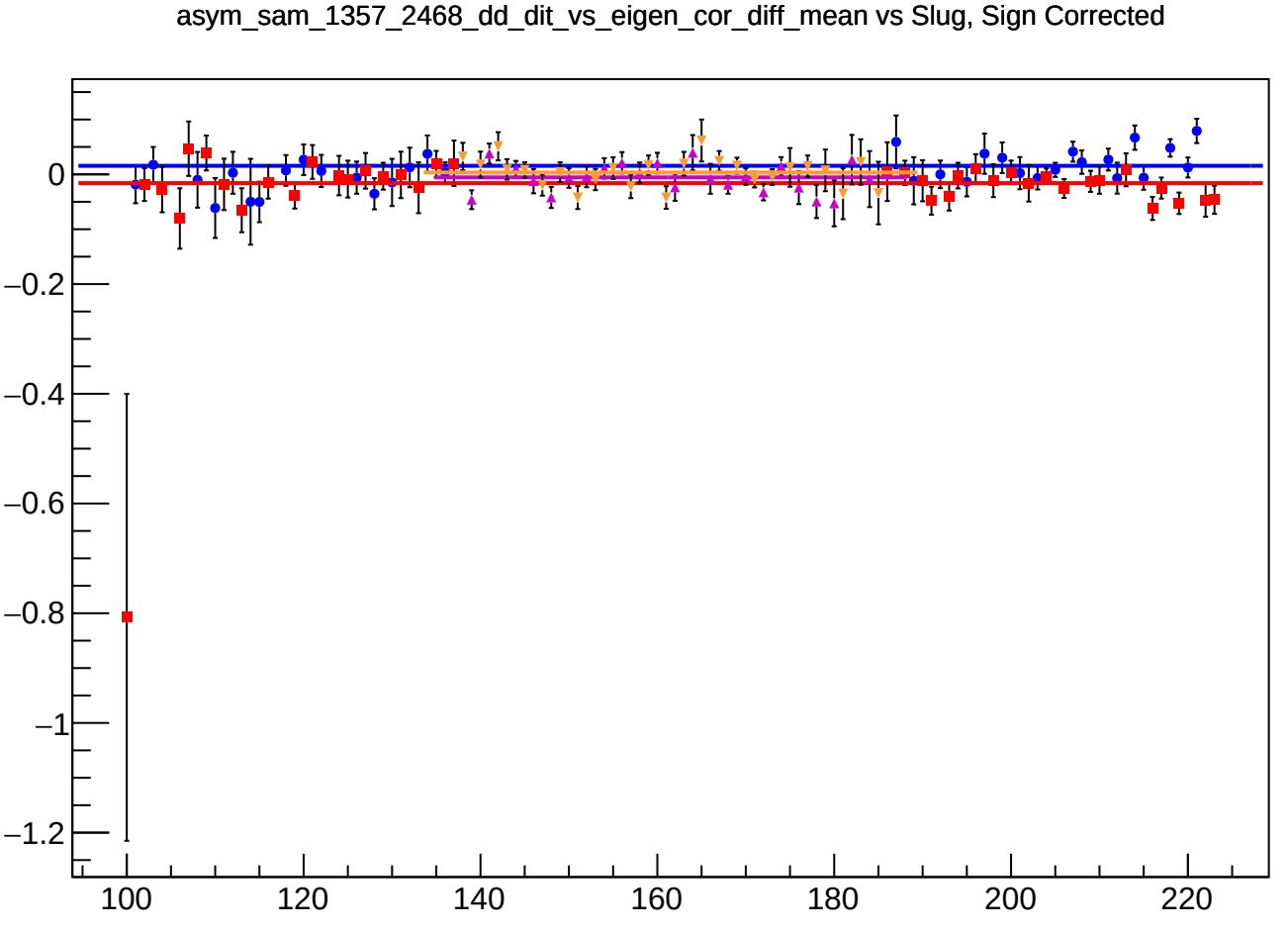
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.170+/-0.002 χ^2/NDF: 5125324.8/72

In: 17.988+/-0.002 χ^2/NDF:4808288.5/56

Out: 18.022+/-0.002 χ^2/NDF:5649647.8/63

All: 18.005+/-0.001 χ^2/NDF: 10458062.4/120



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

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

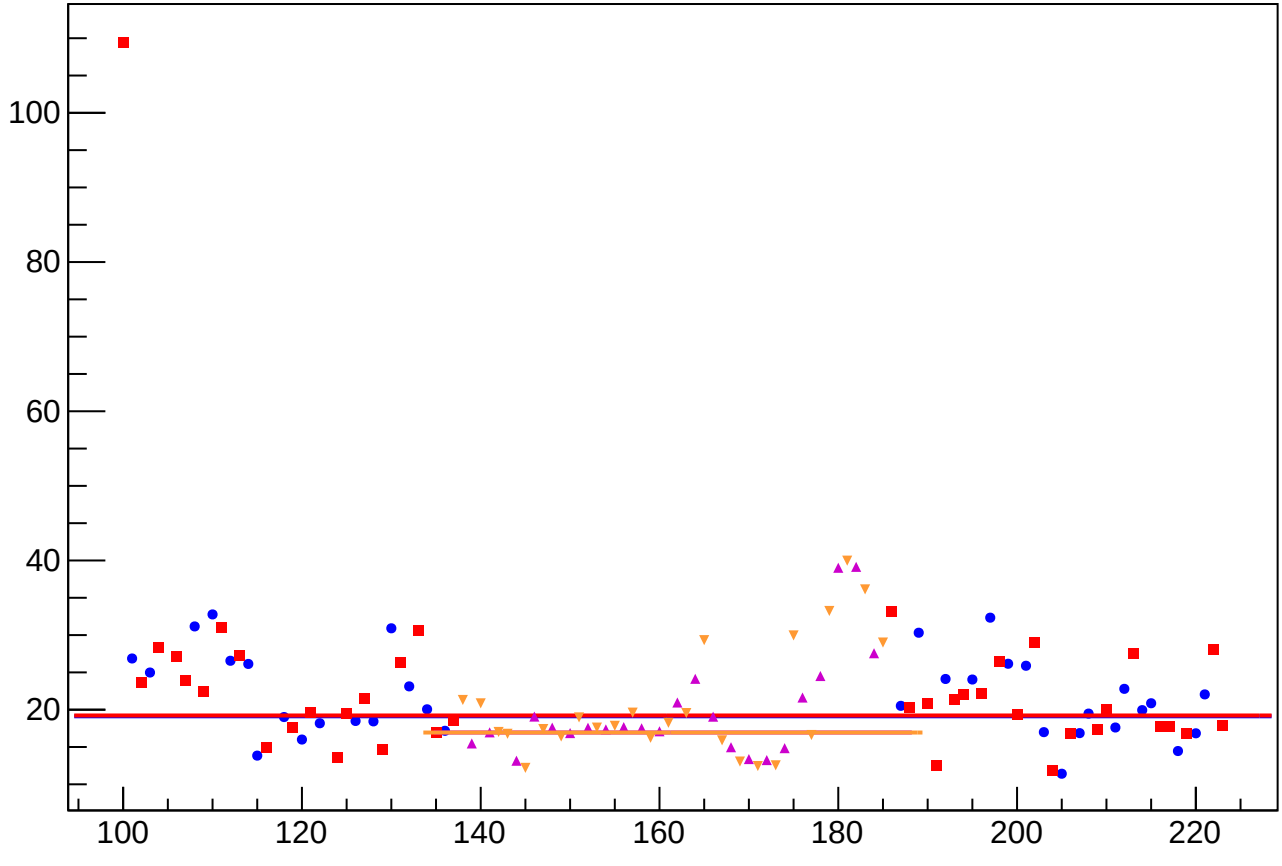
Right: -0.000+/-0.003 χ^2/NDF: 102.6/72

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.006+/-0.003 χ^2/NDF:74.0/63

All: -0.001+/-0.002 χ^2/NDF: 165.1/120

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

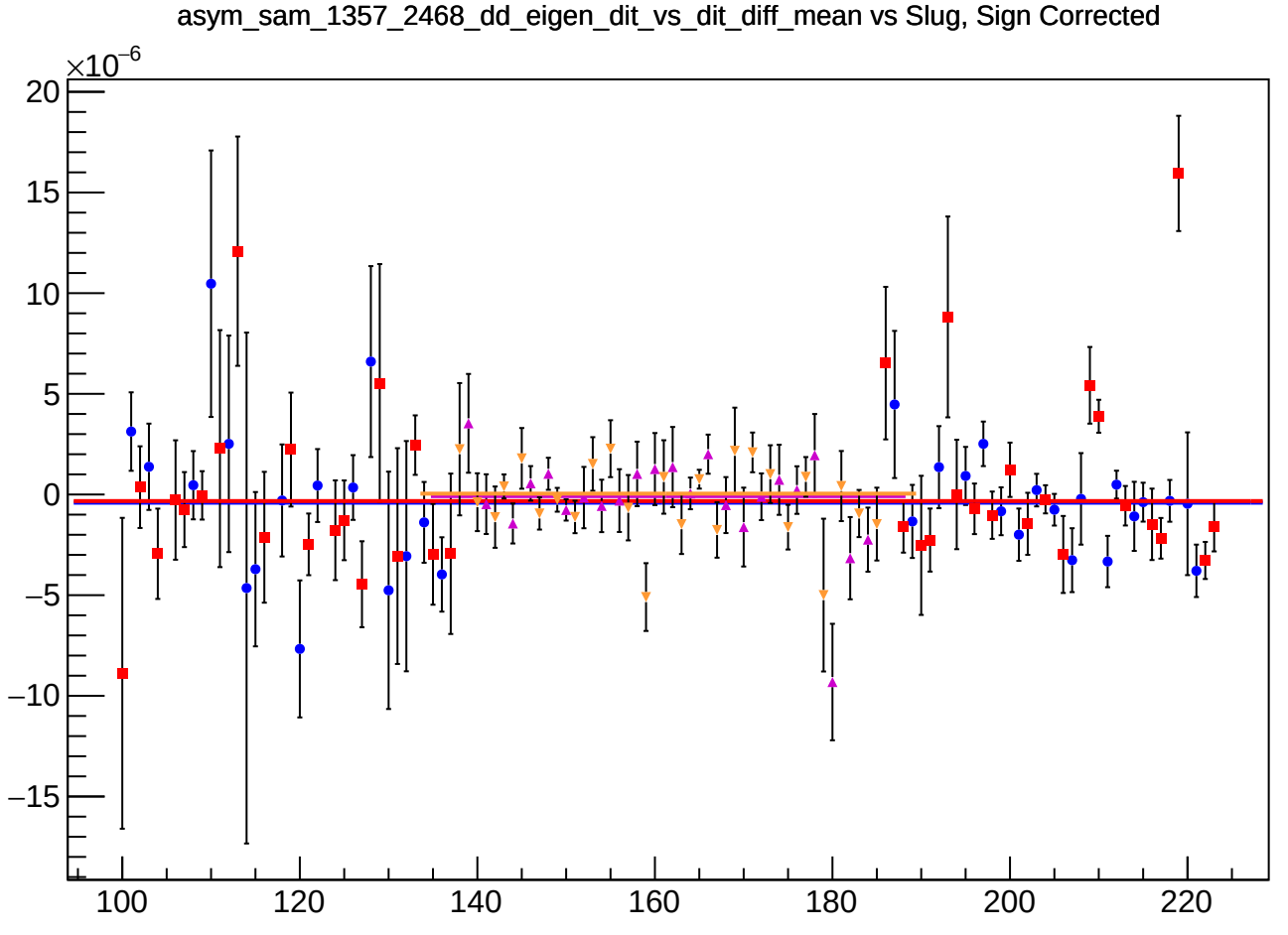
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.170+/-0.002 χ^2/NDF: 5125324.8/72

In: 17.988+/-0.002 χ^2/NDF:4808288.5/56

Out: 18.022+/-0.002 χ^2/NDF:5649647.8/63

All: 18.005+/-0.001 χ^2/NDF: 10458062.4/120



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

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

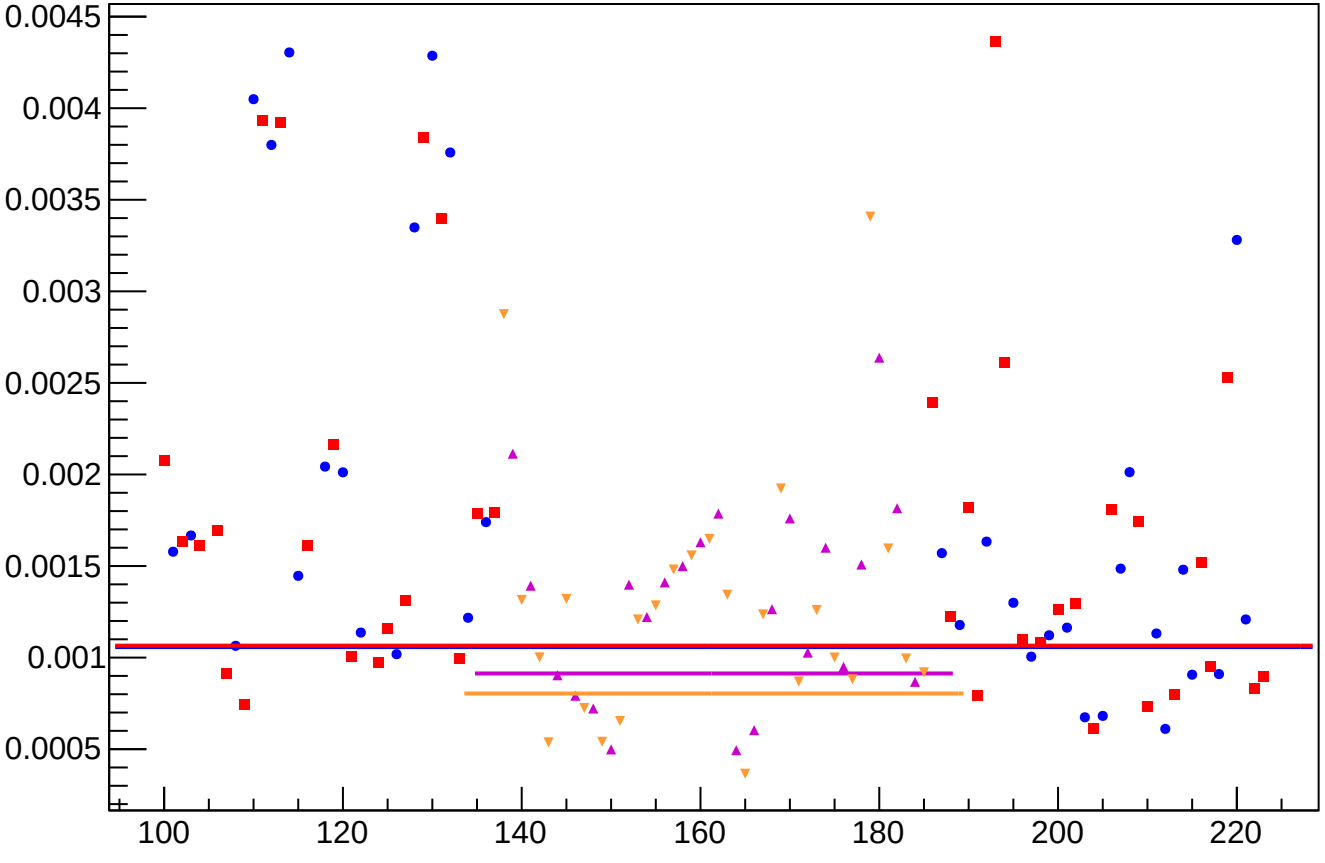
Right: -0.000+/-0.000 χ^2/NDF: 168.6/72

In: -0.000+/-0.000 χ^2/NDF:82.0/56

Out: -0.000+/-0.000 χ^2/NDF:156.8/63

All: -0.000+/-0.000 χ^2/NDF: 239.1/120

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7152437.2/33

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7732523.0/38

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

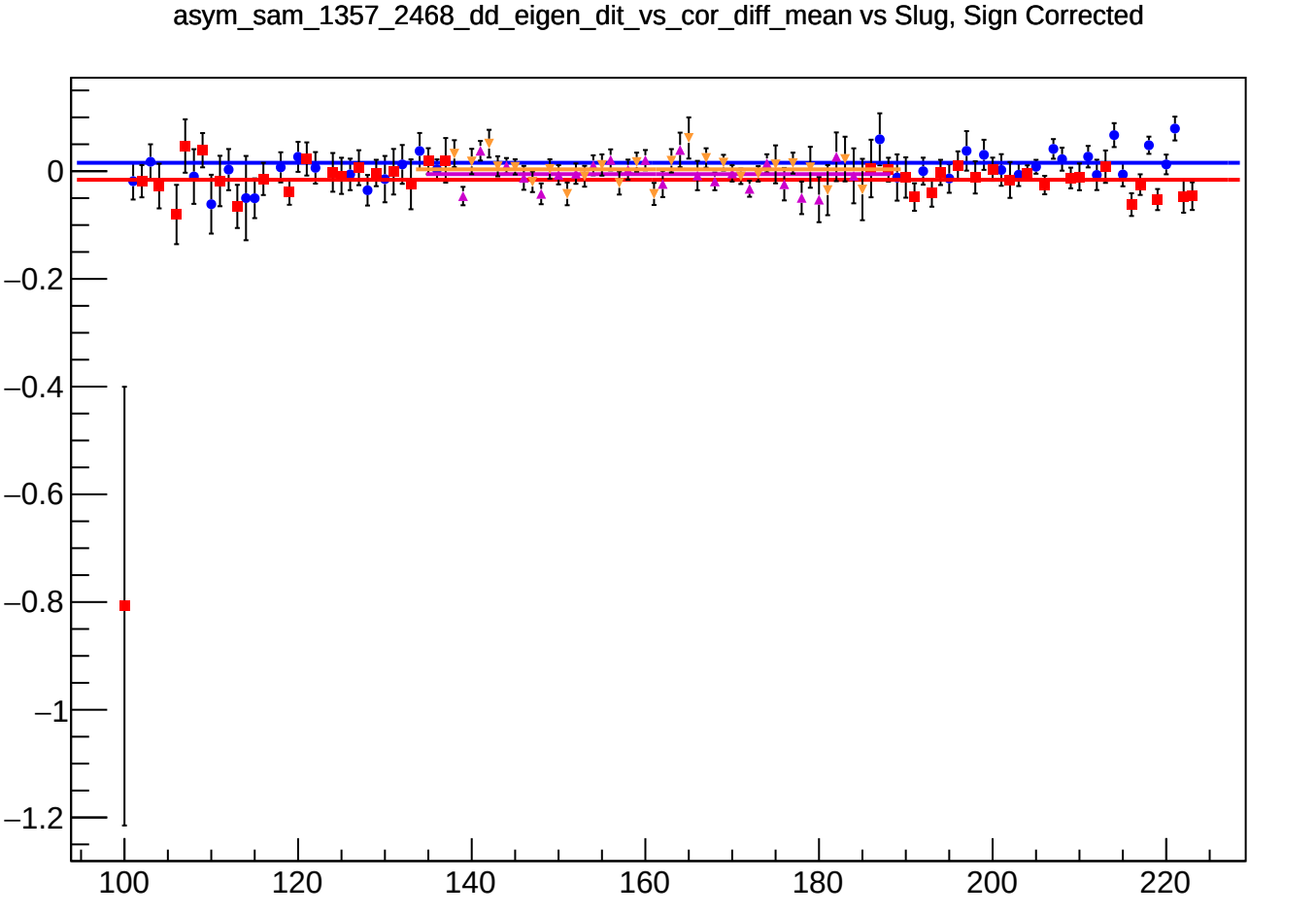
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 14885879.7/72

In: 0.001+/-0.000 χ^2/NDF:13930326.8/56

Out: 0.001+/-0.000 χ^2/NDF:17265034.3/63

All: 0.001+/-0.000 χ^2/NDF: 31374397.5/120



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

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

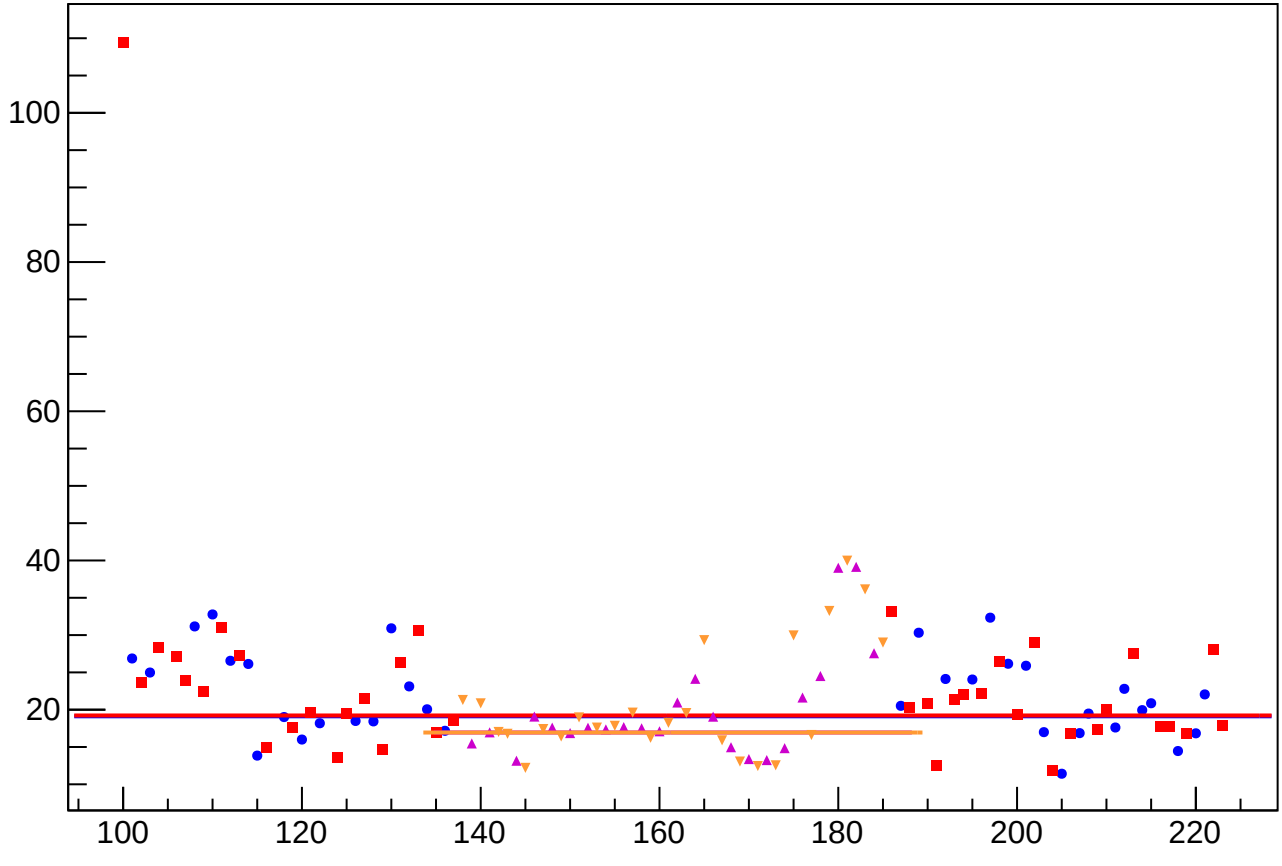
Right: -0.000+/-0.003 χ^2/NDF: 102.6/72

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.006+/-0.003 χ^2/NDF:74.0/63

All: -0.001+/-0.002 χ^2/NDF: 165.1/120

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

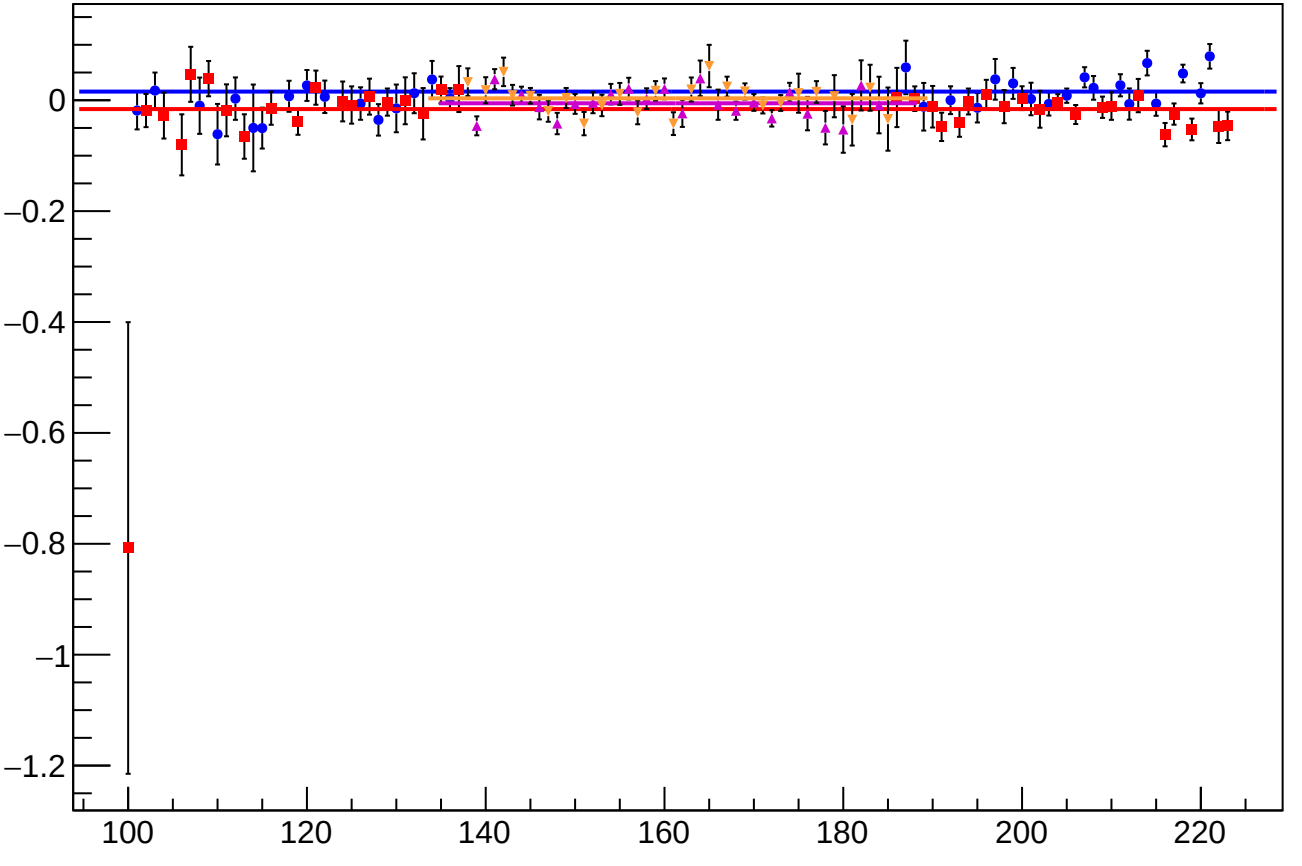
Right: 19.170+/-0.002 χ^2/NDF: 5125442.4/72

In: 17.988+/-0.002 χ^2/NDF:4808241.3/56

Out: 18.022+/-0.002 χ^2/NDF:5649566.9/63

All: 18.005+/-0.001 χ^2/NDF: 10457935.9/120

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

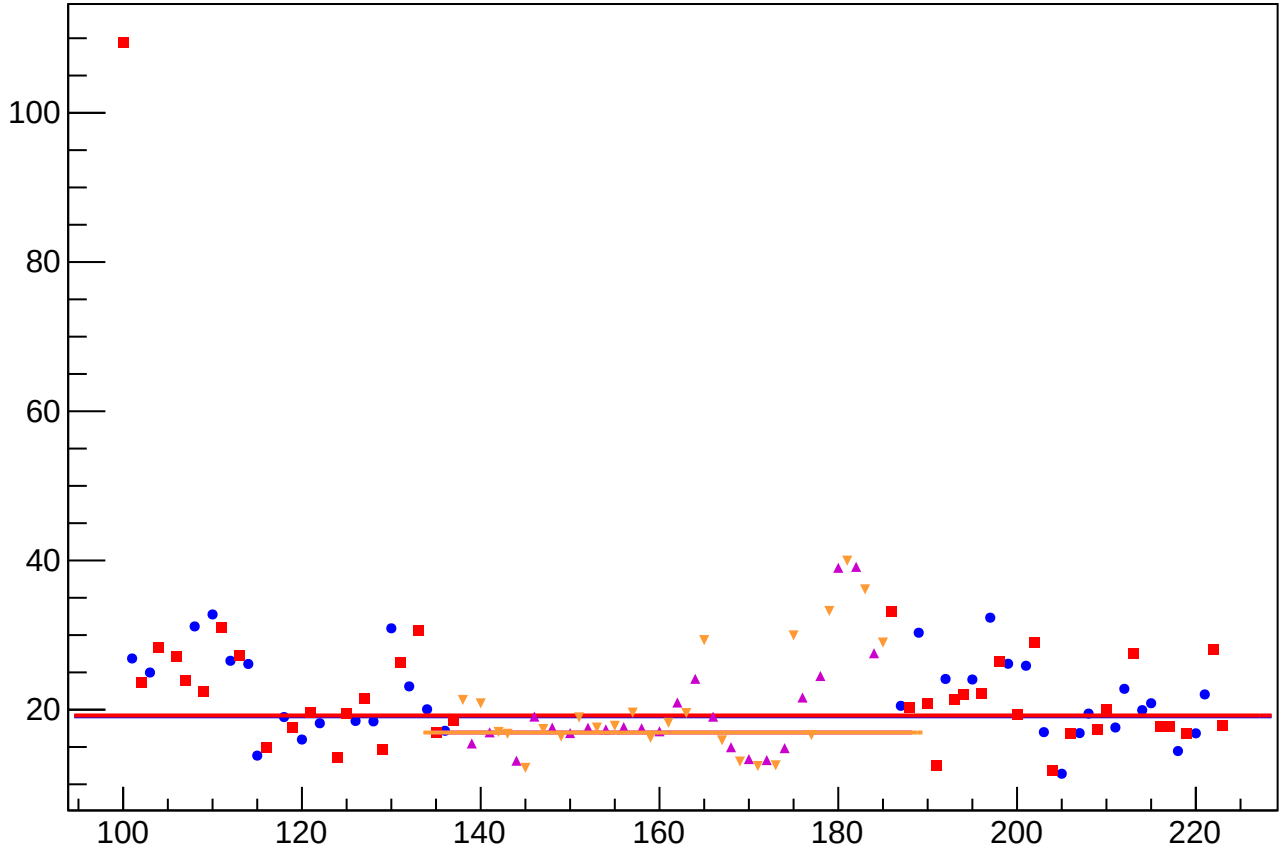
Right: -0.000+/-0.003 χ^2/NDF: 102.6/72

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.006+/-0.003 χ^2/NDF:74.0/63

All: -0.001+/-0.002 χ^2/NDF: 165.1/120

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

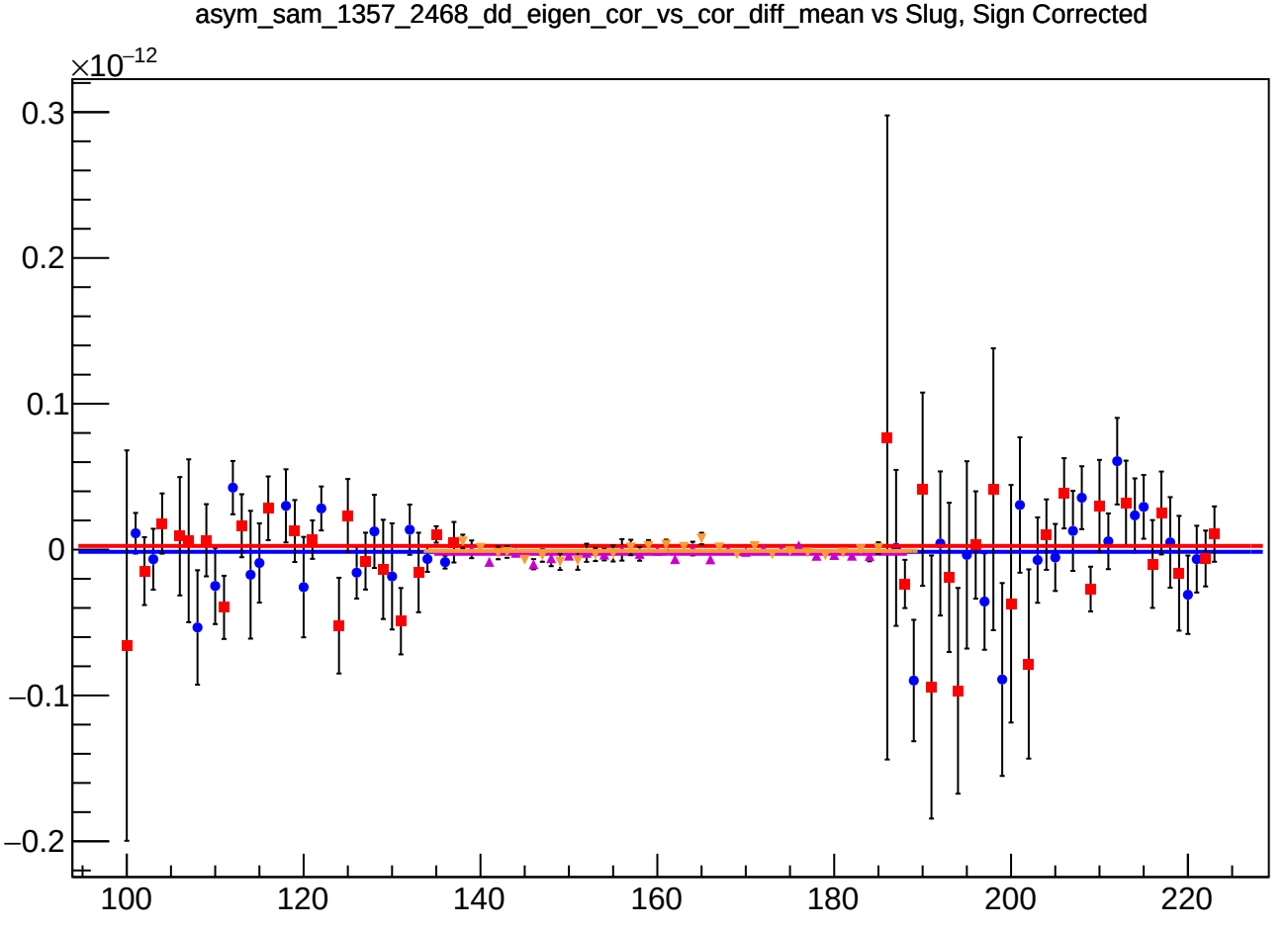
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.170+/-0.002 χ^2/NDF: 5125442.4/72

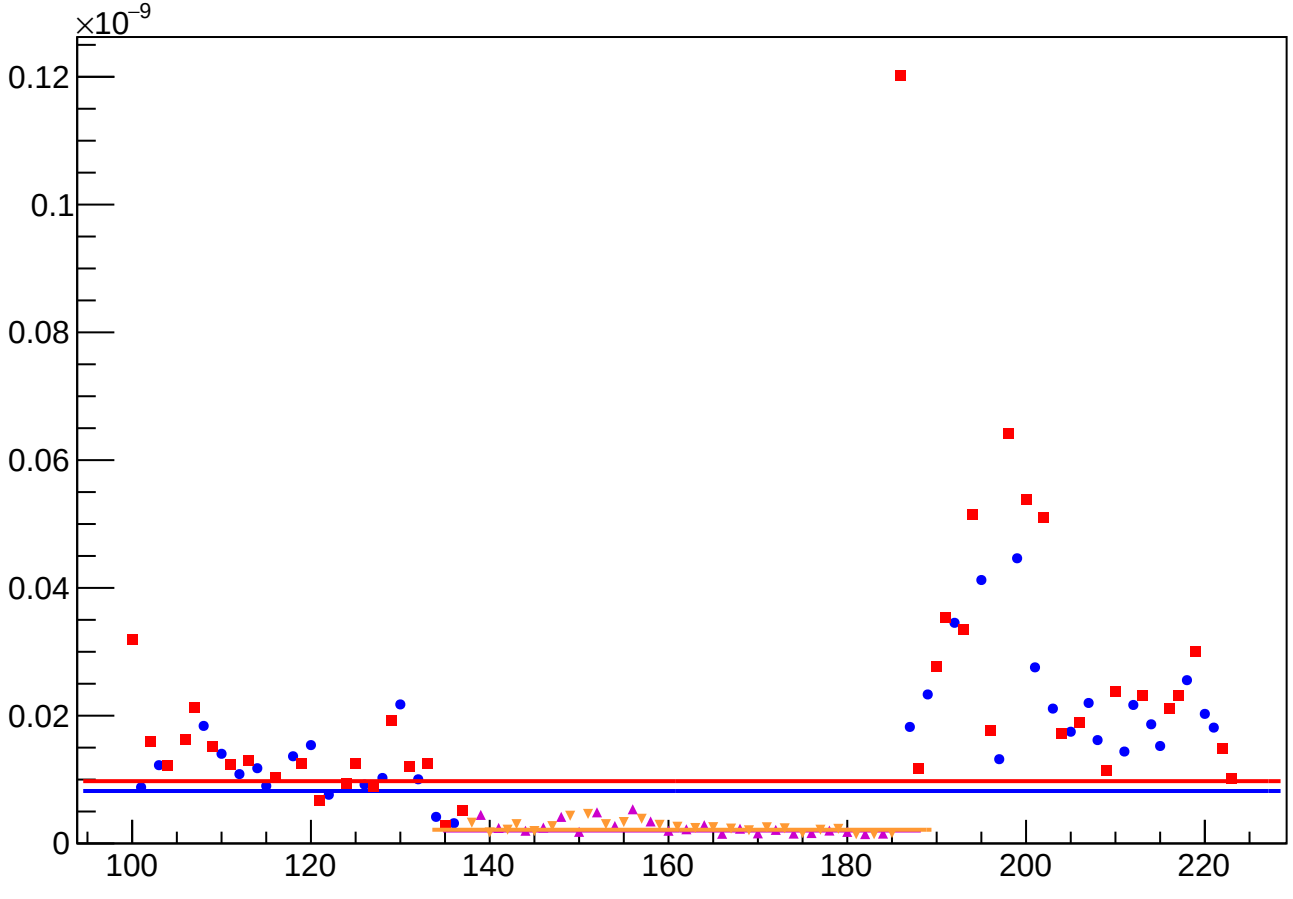
In: 17.988+/-0.002 χ^2/NDF:4808241.3/56

Out: 18.022+/-0.002 χ^2/NDF:5649566.9/63

All: 18.005+/-0.001 χ^2/NDF: 10457935.9/120


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 40.1/33
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.3/38
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: -0.000+/-0.000 χ²/NDF: 51.6/47
Right: 0.000+/-0.000 χ²/NDF: 77.2/72
In: -0.000+/-0.000 χ²/NDF:63.4/56
Out: -0.000+/-0.000 χ²/NDF:61.0/63
All: -0.000+/-0.000 χ²/NDF: 129.8/120

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

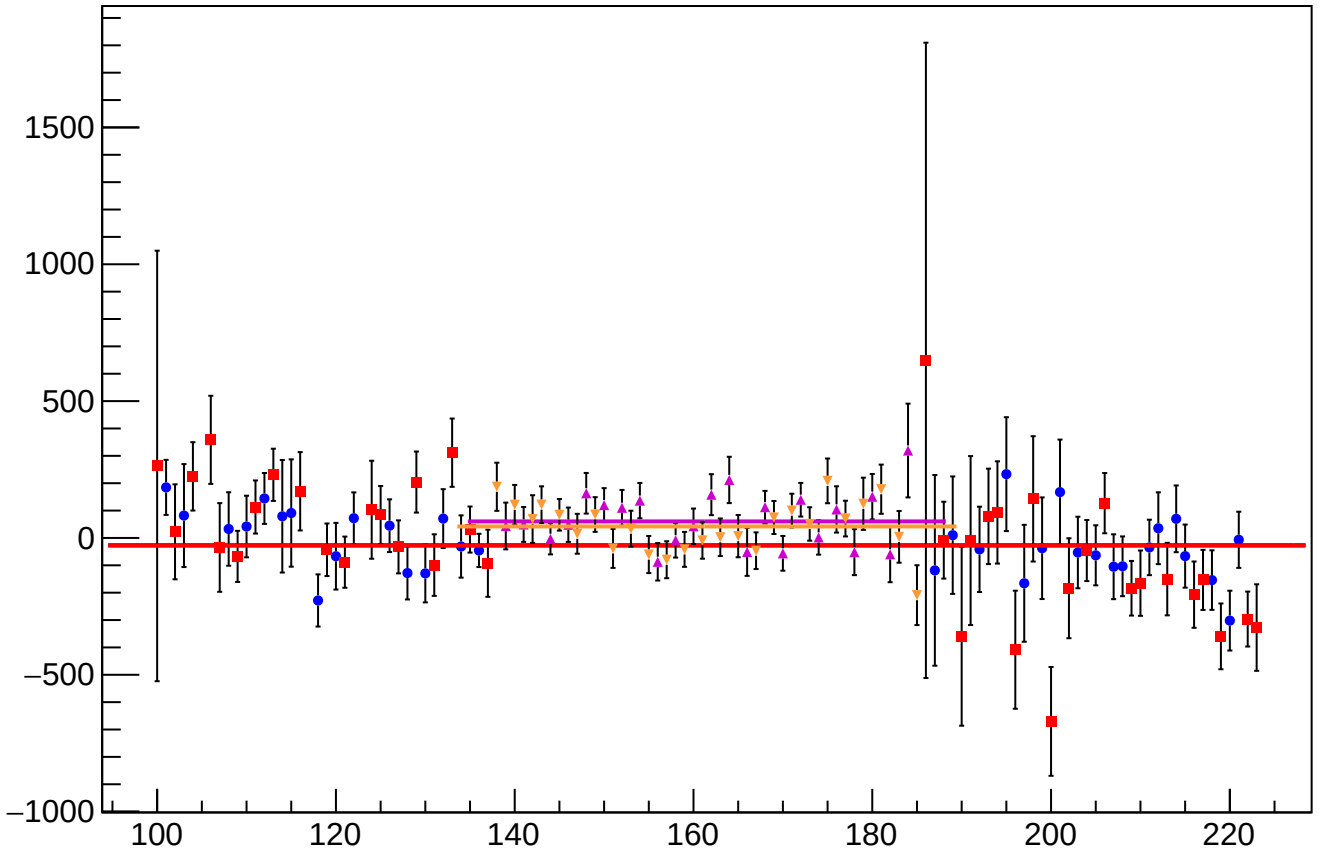
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21575695.4/72

In: 0.000+/-0.000 χ^2/NDF:21251551.6/56

Out: 0.000+/-0.000 χ^2/NDF:23288710.3/63

All: 0.000+/-0.000 χ^2/NDF: 44577407.8/120



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

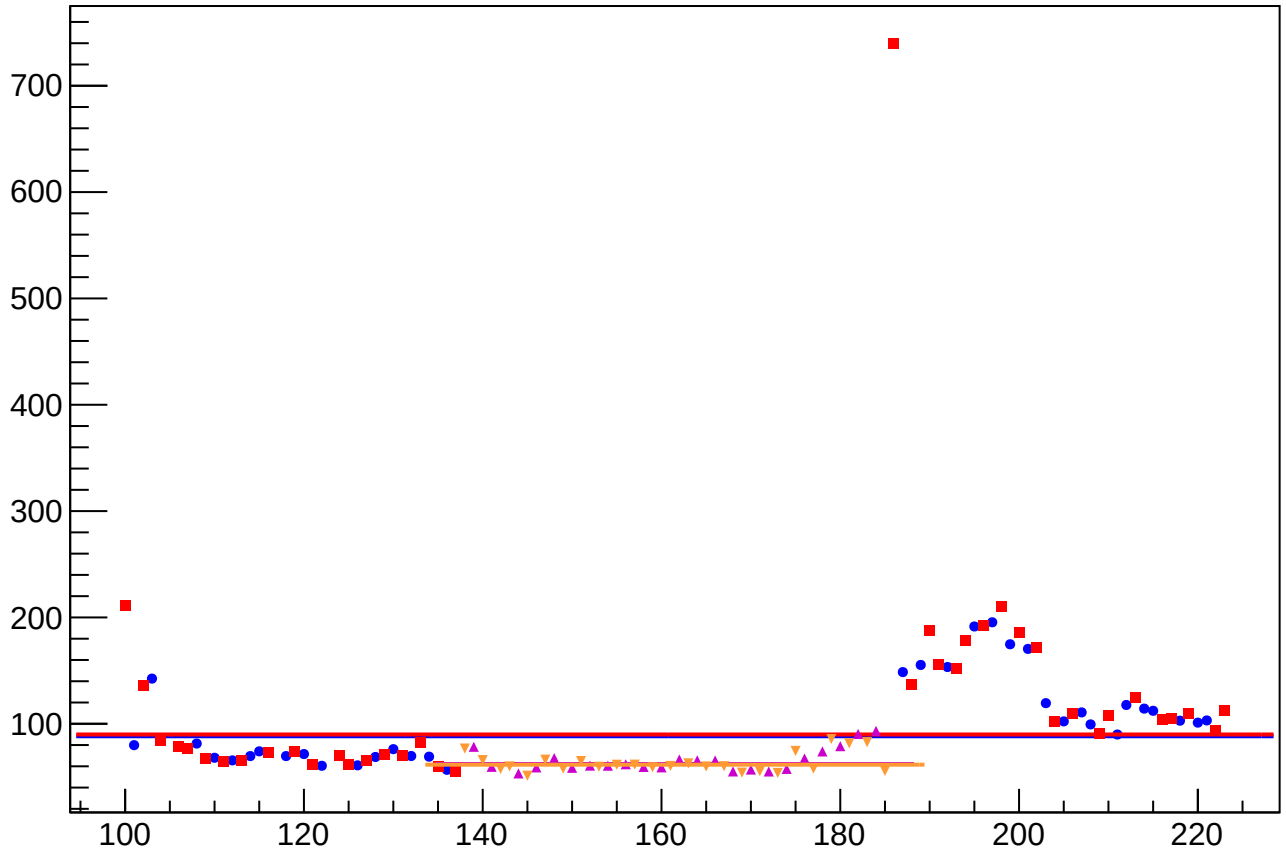
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -27.320+/-14.284 χ^2/NDF: 113.6/72

In: 29.908+/-11.864 χ^2/NDF:75.9/56

Out: 19.141+/-11.634 χ^2/NDF:122.1/63

All: 24.419+/-8.307 χ^2/NDF: 198.5/120



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

Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

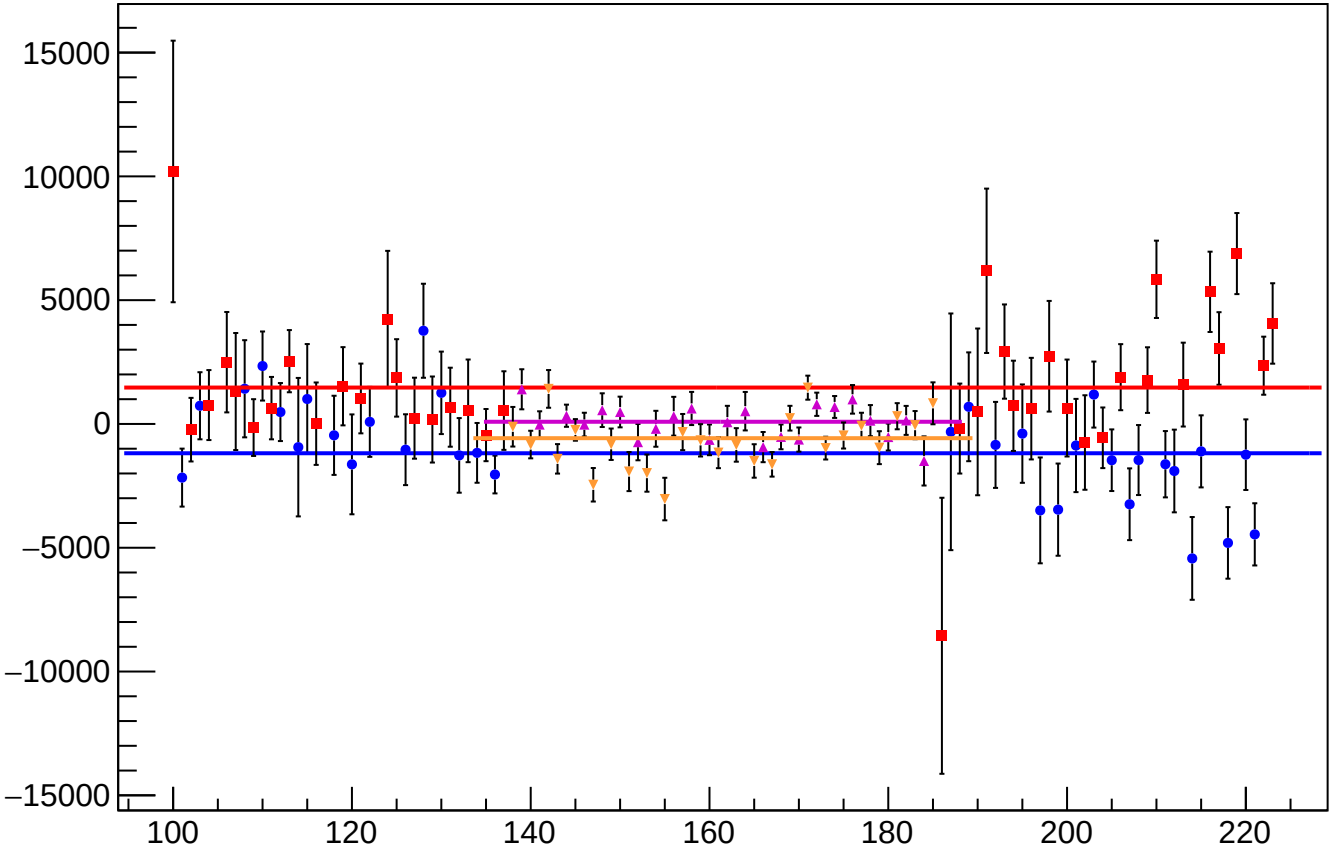
Right: 89.083+/-0.010 χ^2/NDF: 10461027.5/72

In: 71.281+/-0.008 χ^2/NDF:7432599.6/56

Out: 70.825+/-0.008 χ^2/NDF:9080390.2/63

All: 71.048+/-0.006 χ^2/NDF: 16514493.8/120

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



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

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

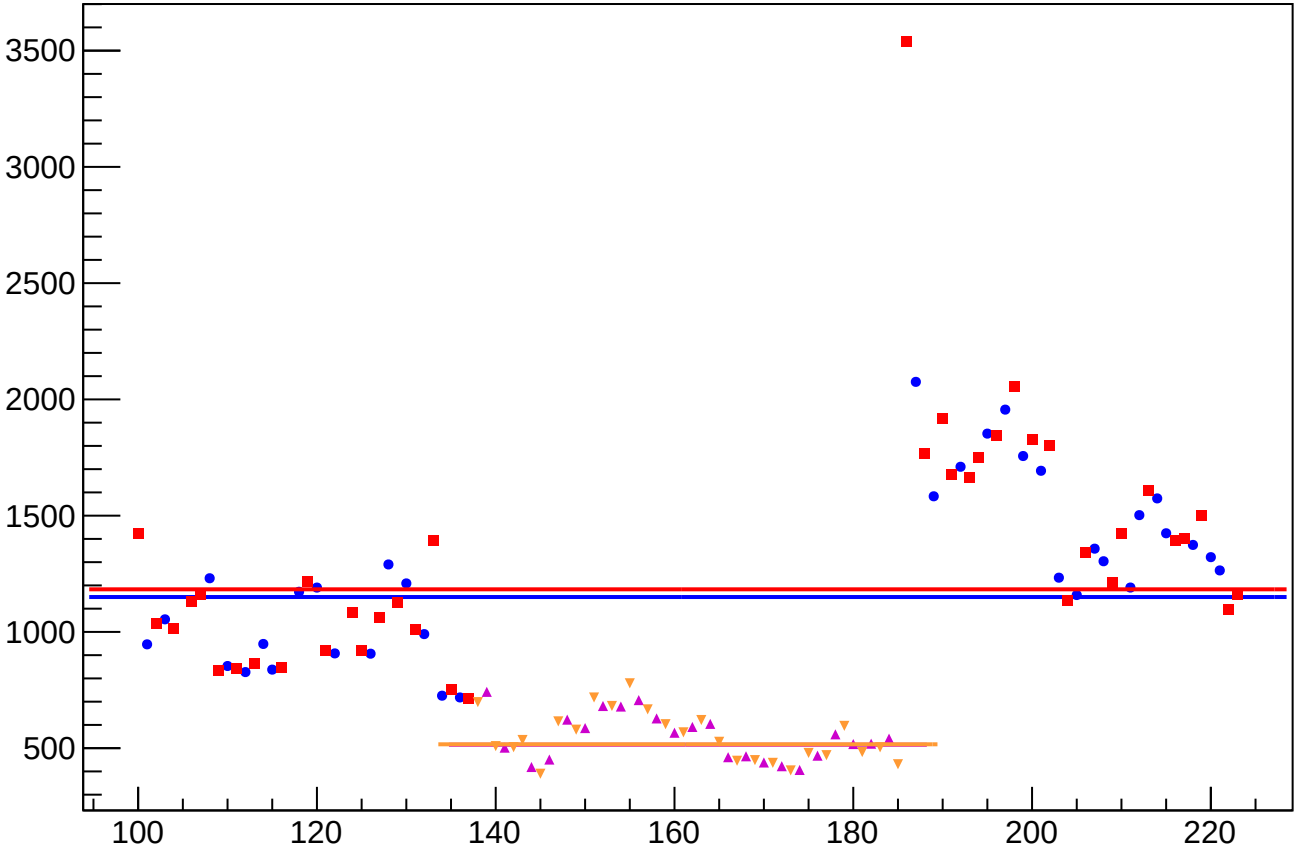
Right: 125.673+/-181.533 χ^2/NDF: 163.2/72

In: -150.055+/-110.416 χ^2/NDF:98.7/56

Out: -213.471+/-108.644 χ^2/NDF:176.2/63

All: -182.276+/-77.442 χ^2/NDF: 275.0/120

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



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

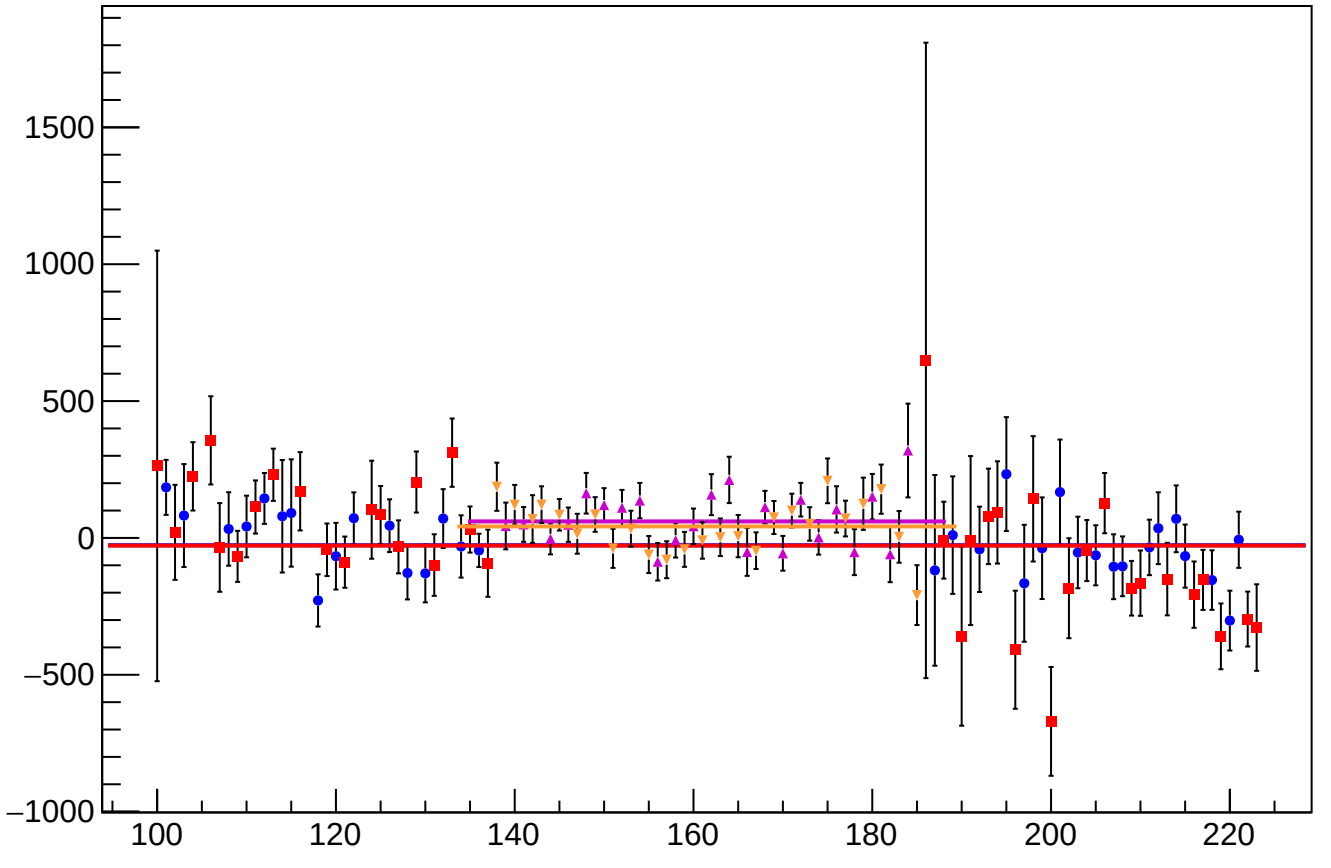
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1166.407+/-0.128 χ^2/NDF: 6794860.5/72

In: 633.868+/-0.078 χ^2/NDF:14343421.1/56

Out: 634.411+/-0.077 χ^2/NDF:15856119.0/63

All: 634.144+/-0.055 χ^2/NDF: 30199564.7/12



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

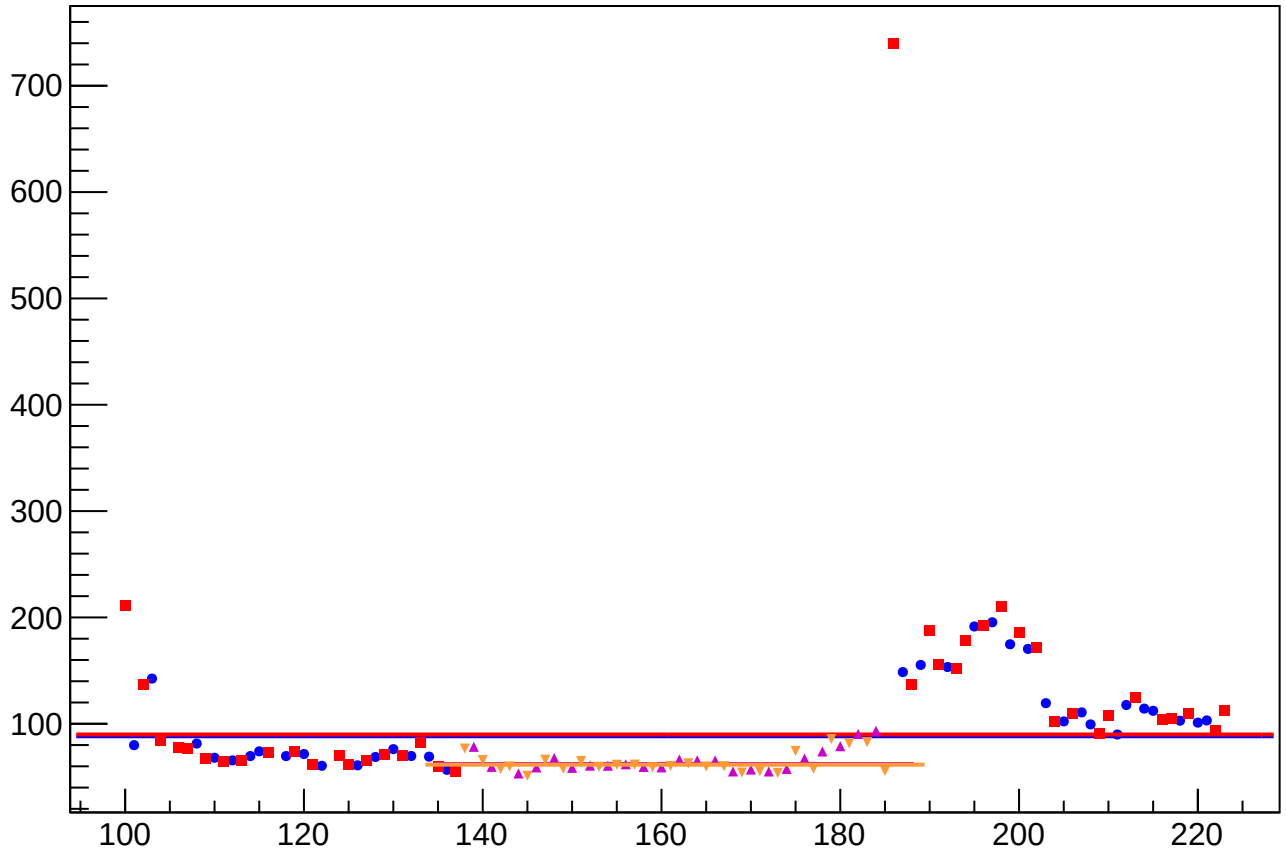
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -27.359+/-14.284 χ^2/NDF: 113.5/72

In: 29.905+/-11.864 χ^2/NDF:75.9/56

Out: 19.121+/-11.634 χ^2/NDF:122.1/63

All: 24.408+/-8.307 χ^2/NDF: 198.4/120



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

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

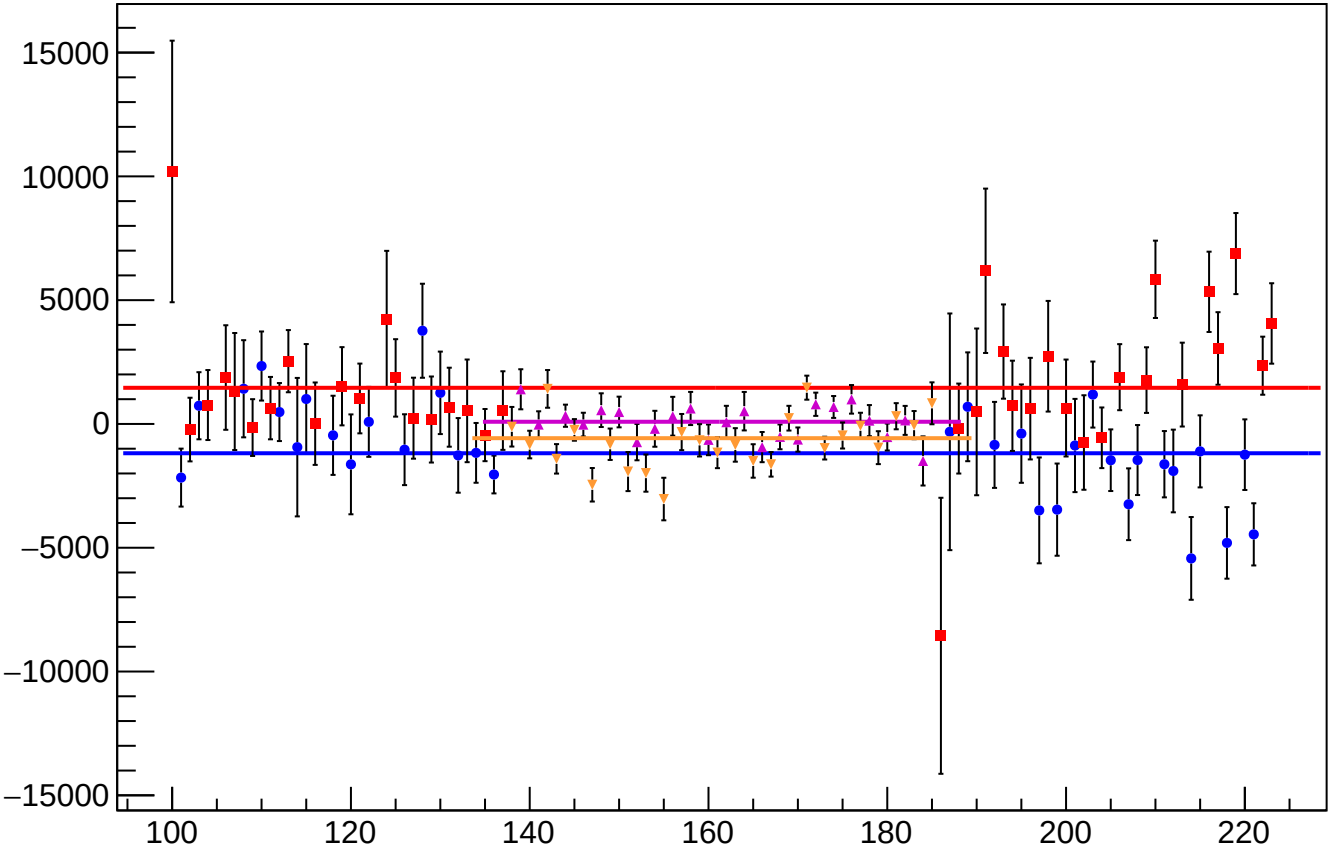
Right: 89.078+/-0.010 χ^2/NDF: 10462482.1/72

In: 71.281+/-0.008 χ^2/NDF:7432602.7/56

Out: 70.821+/-0.008 χ^2/NDF:9079909.2/63

All: 71.046+/-0.006 χ^2/NDF: 16514040.5/120

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



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

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

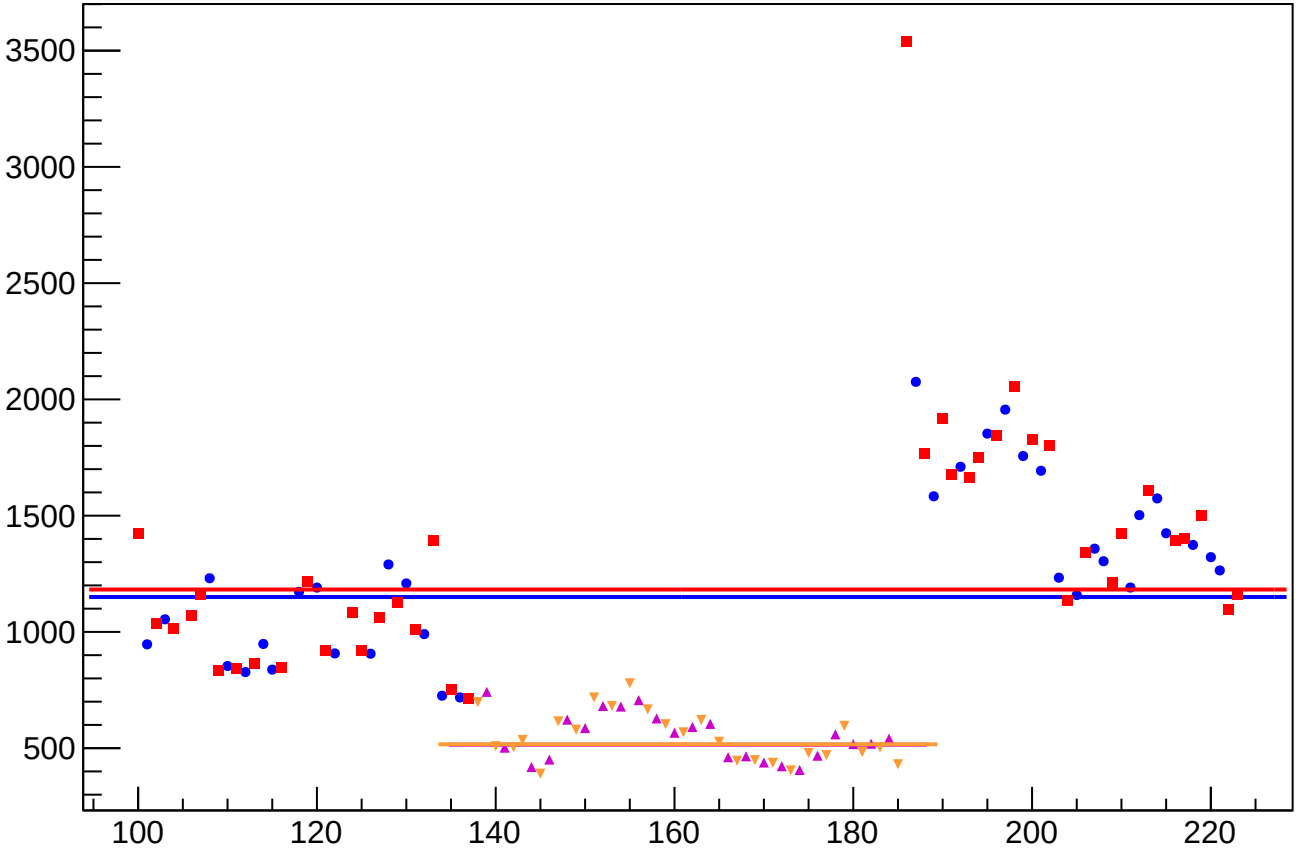
Right: 119.739+/-181.593 χ^2/NDF: 162.5/72

In: -150.053+/-110.416 χ^2/NDF:98.7/56

Out: -215.672+/-108.657 χ^2/NDF:175.4/63

All: -183.389+/-77.447 χ^2/NDF: 274.2/120

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



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

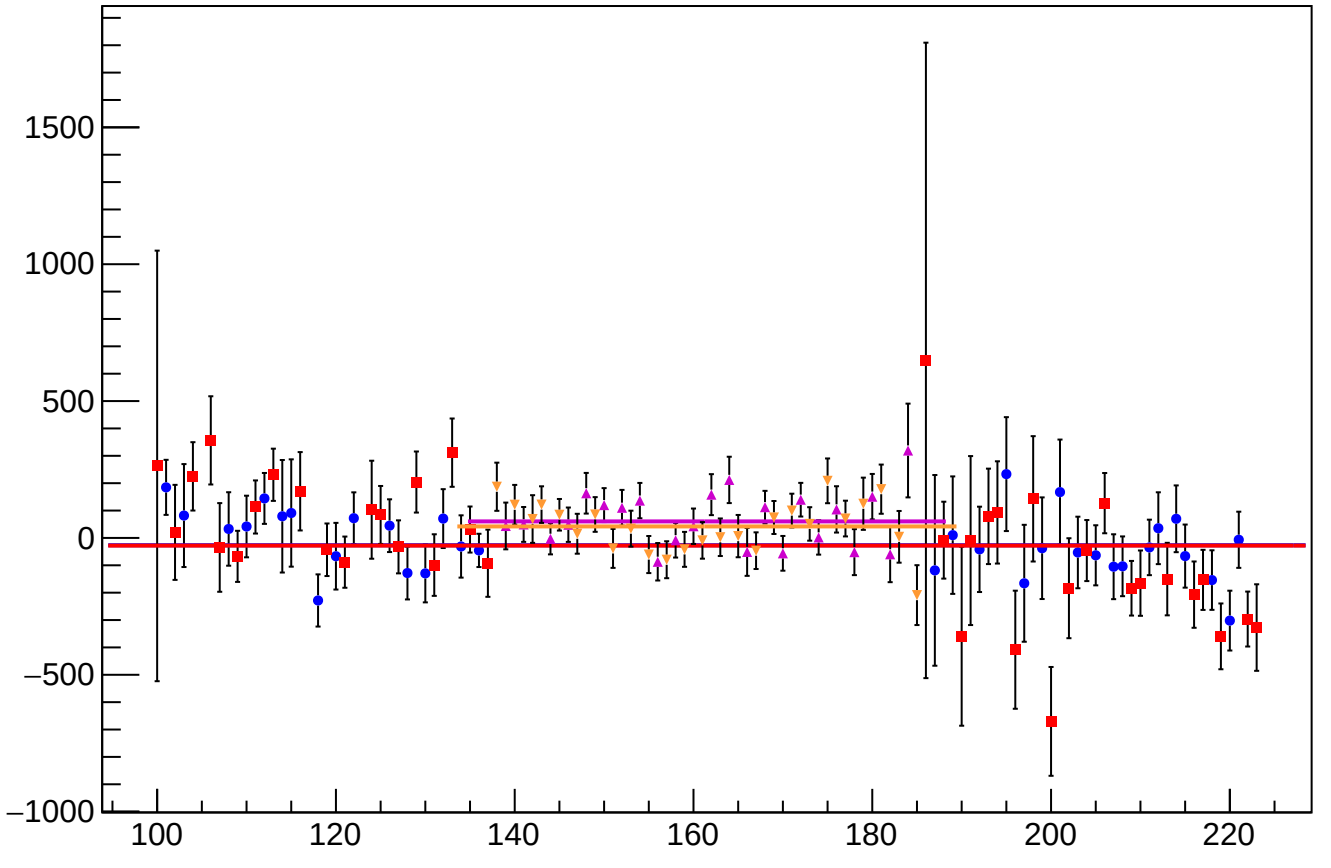
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1165.985+/-0.128 χ^2/NDF: 6798207.2/72

In: 633.868+/-0.078 χ^2/NDF:14343463.0/56

Out: 634.135+/-0.077 χ^2/NDF:15820982.7/63

All: 634.004+/-0.055 χ^2/NDF: 30164451.7/12



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

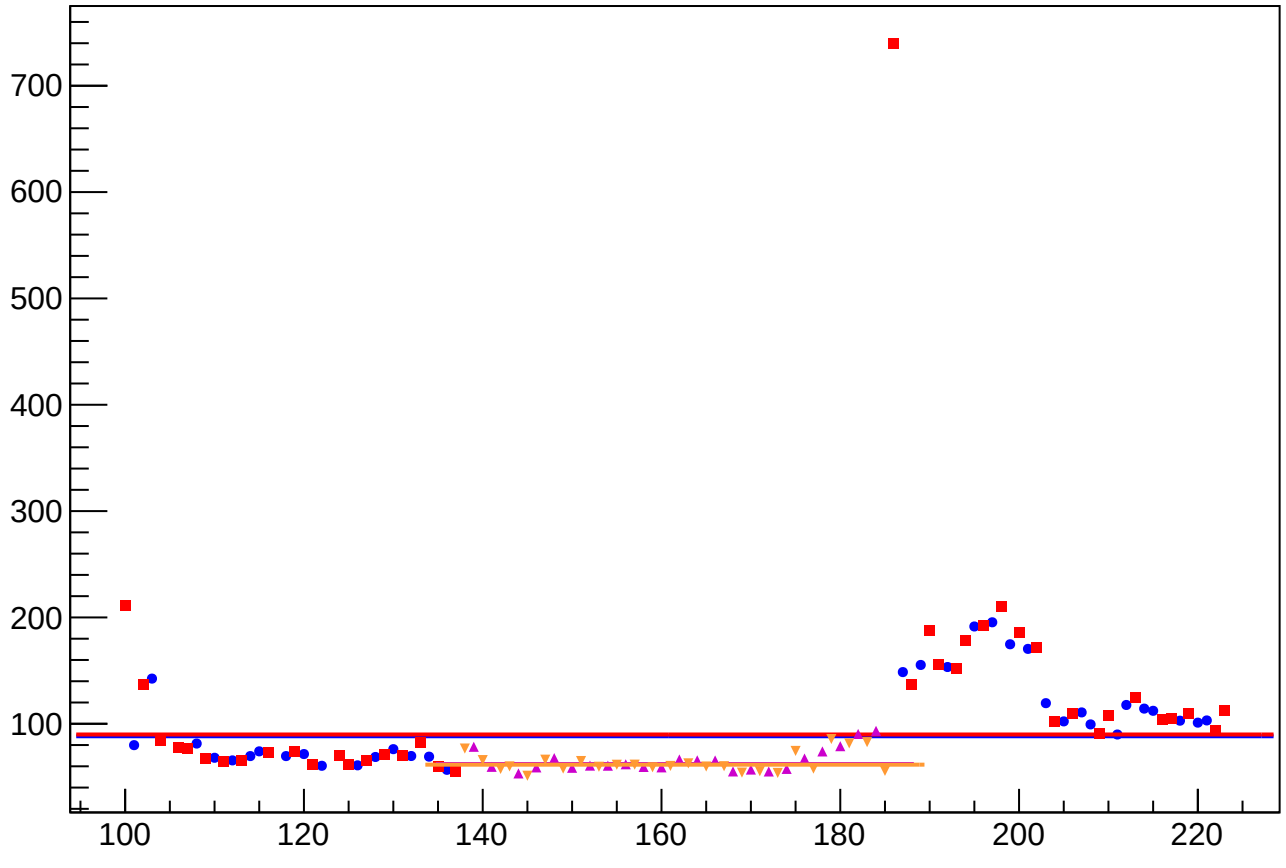
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -27.359+/-14.284 χ^2/NDF: 113.5/72

In: 29.905+/-11.864 χ^2/NDF:75.9/56

Out: 19.121+/-11.634 χ^2/NDF:122.1/63

All: 24.408+/-8.307 χ^2/NDF: 198.4/120



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

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

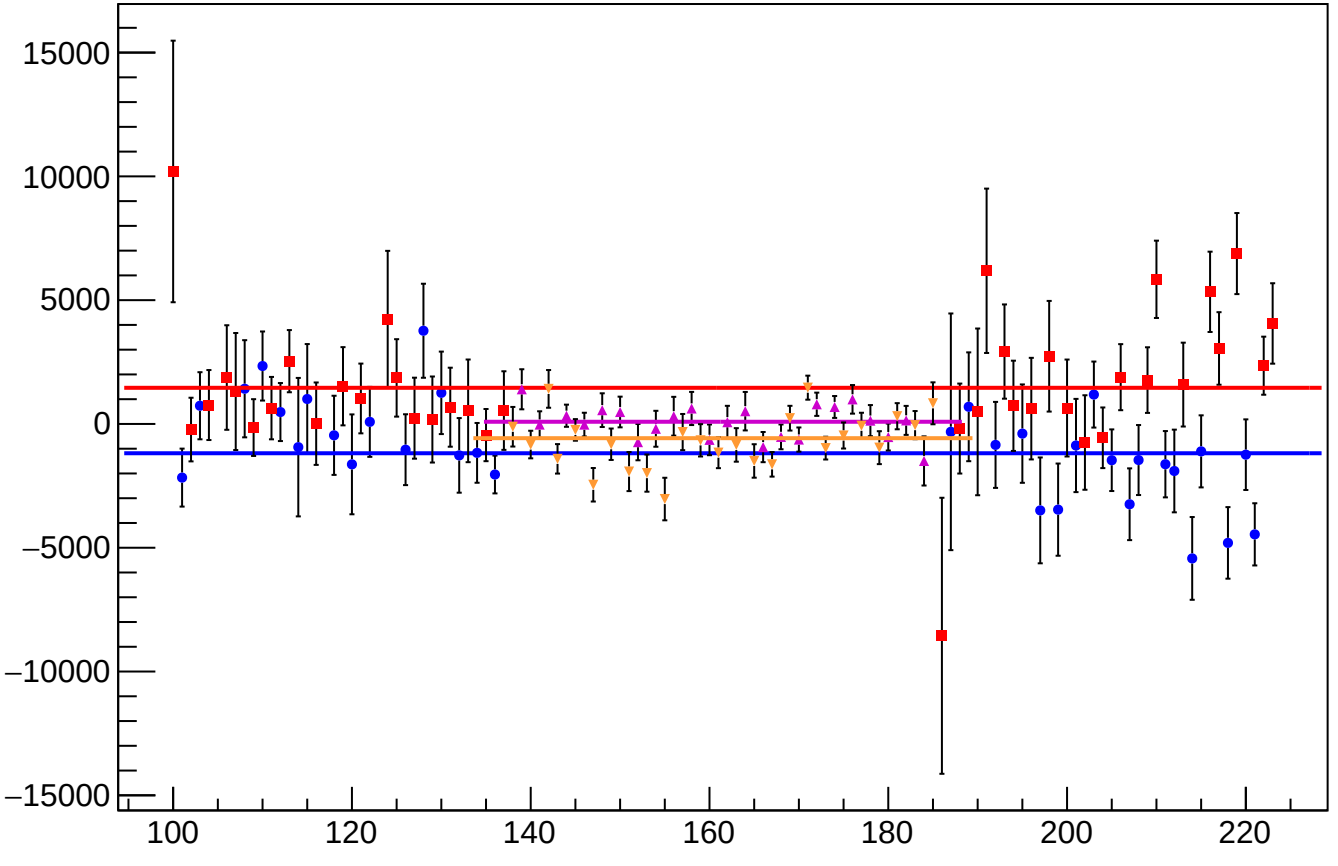
Right: 89.078+/-0.010 χ^2/NDF: 10462482.1/72

In: 71.281+/-0.008 χ^2/NDF:7432602.7/56

Out: 70.821+/-0.008 χ^2/NDF:9079909.2/63

All: 71.046+/-0.006 χ^2/NDF: 16514040.5/120

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

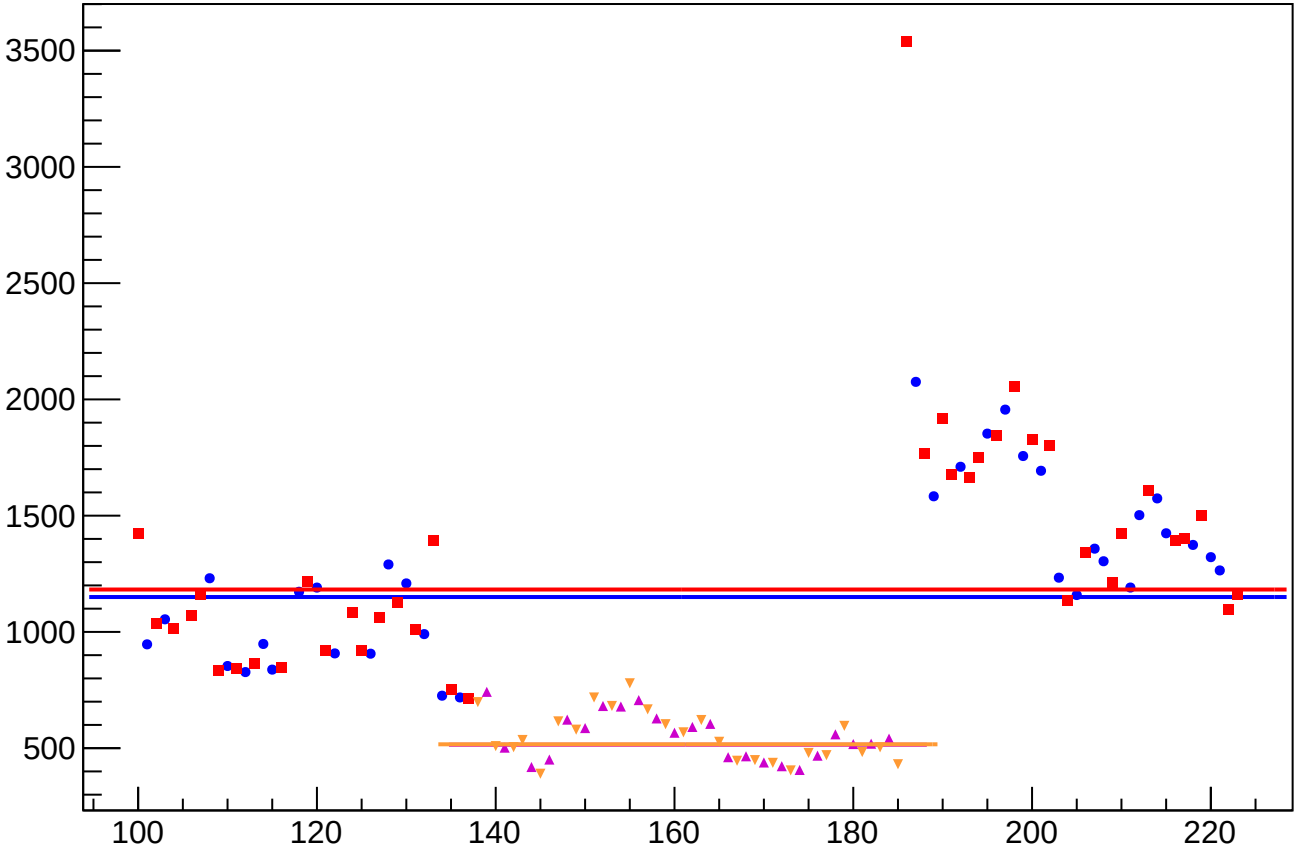
Right: 119.739+/-181.593 χ^2/NDF: 162.5/72

In: -150.053+/-110.416 χ^2/NDF:98.7/56

Out: -215.672+/-108.657 χ^2/NDF:175.4/63

All: -183.389+/-77.447 χ^2/NDF: 274.2/120

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

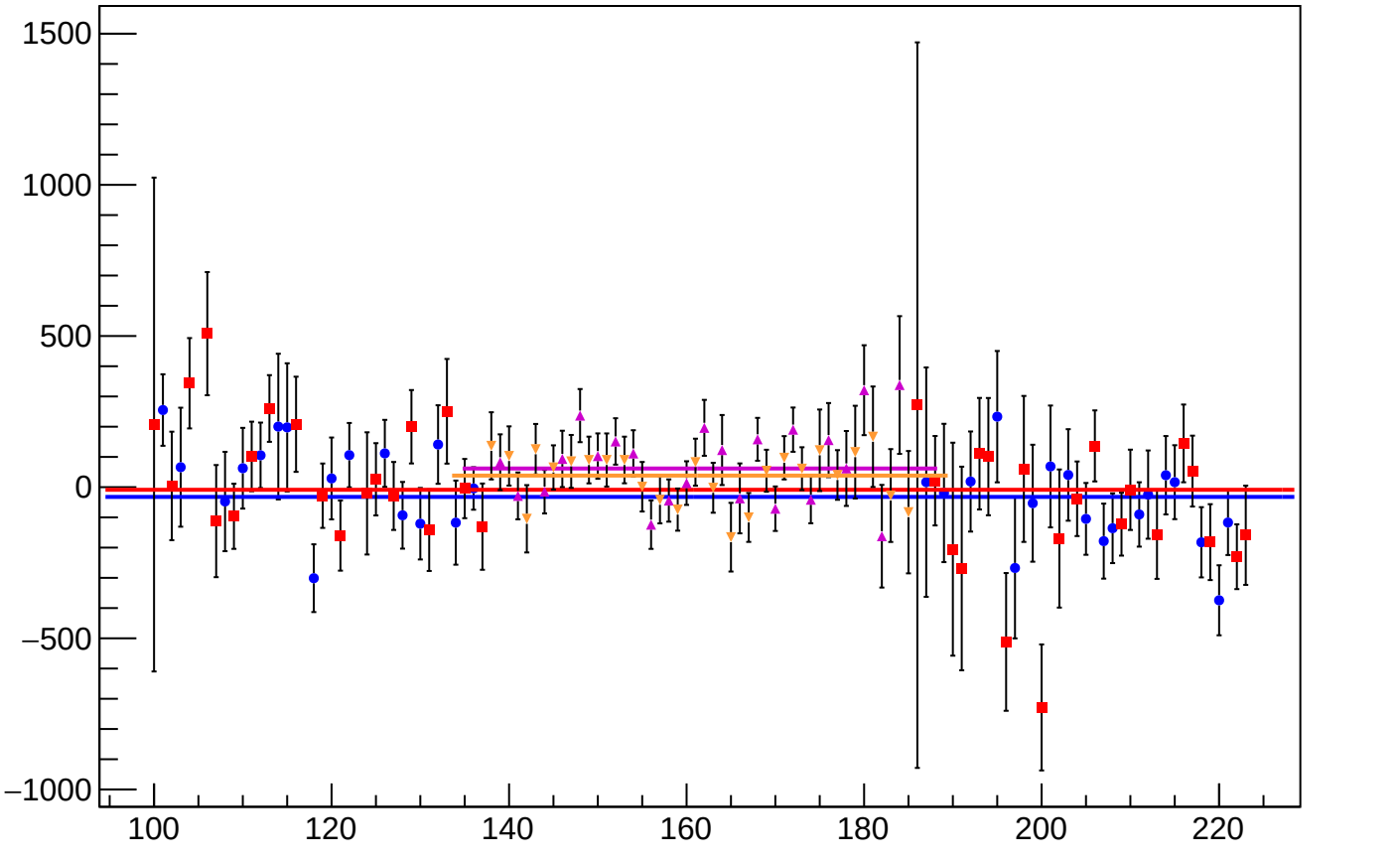
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1165.985+/-0.128 χ^2/NDF: 6798207.2/72

In: 633.868+/-0.078 χ^2/NDF:14343463.0/56

Out: 634.135+/-0.077 χ^2/NDF:15820982.7/63

All: 634.004+/-0.055 χ^2/NDF: 30164451.7/12



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

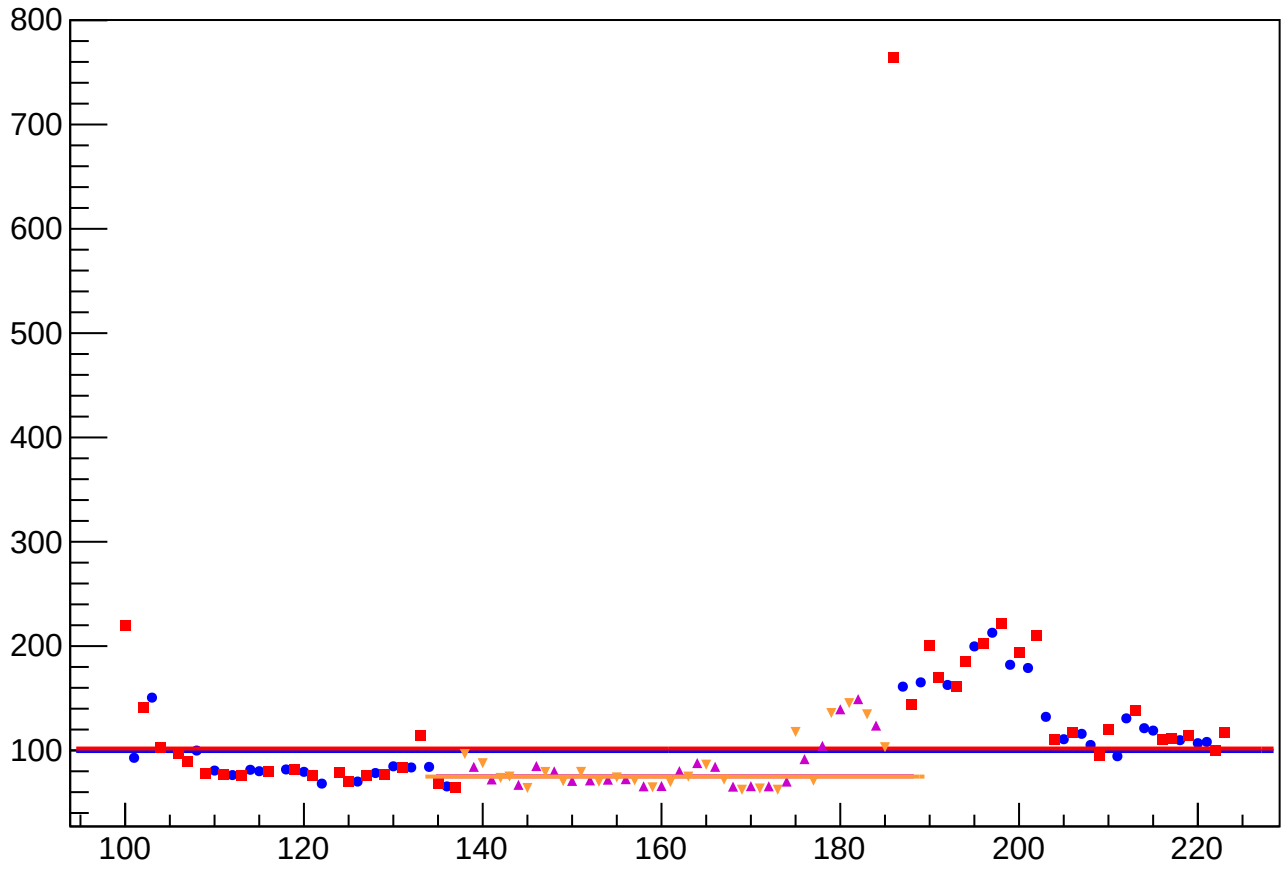
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -20.716+/-16.005 χ^2/NDF: 103.1/72

In: 24.394+/-14.125 χ^2/NDF:87.7/56

Out: 20.716+/-13.981 χ^2/NDF:83.7/63

All: 22.536+/-9.936 χ^2/NDF: 171.4/120



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

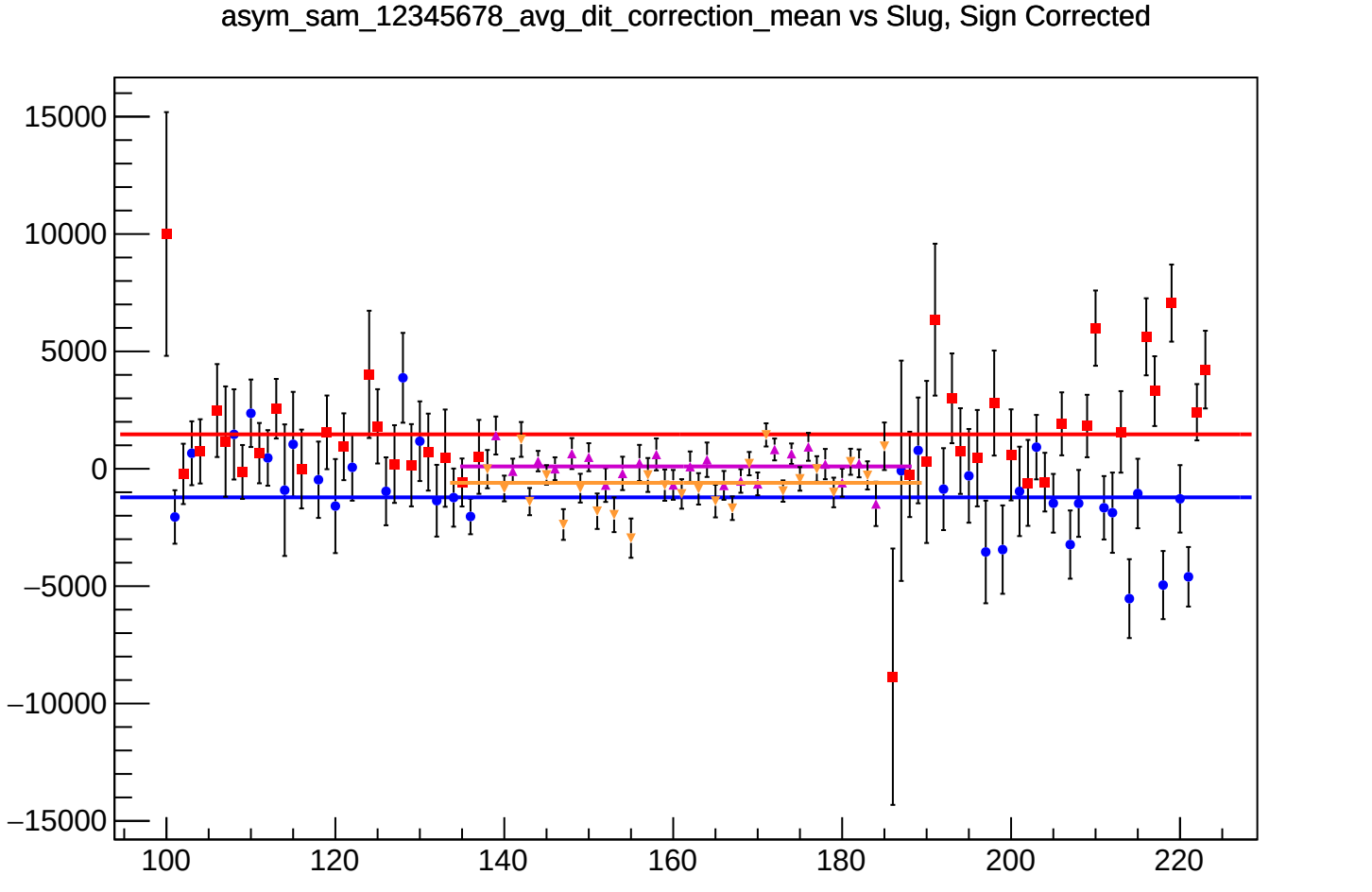
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 100.573+/-0.011 χ^2/NDF: 8842997.1/72

In: 84.783+/-0.010 χ^2/NDF:6533425.7/56

Out: 84.959+/-0.010 χ^2/NDF:8415374.1/63

All: 84.872+/-0.007 χ^2/NDF: 14948957.1/120



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

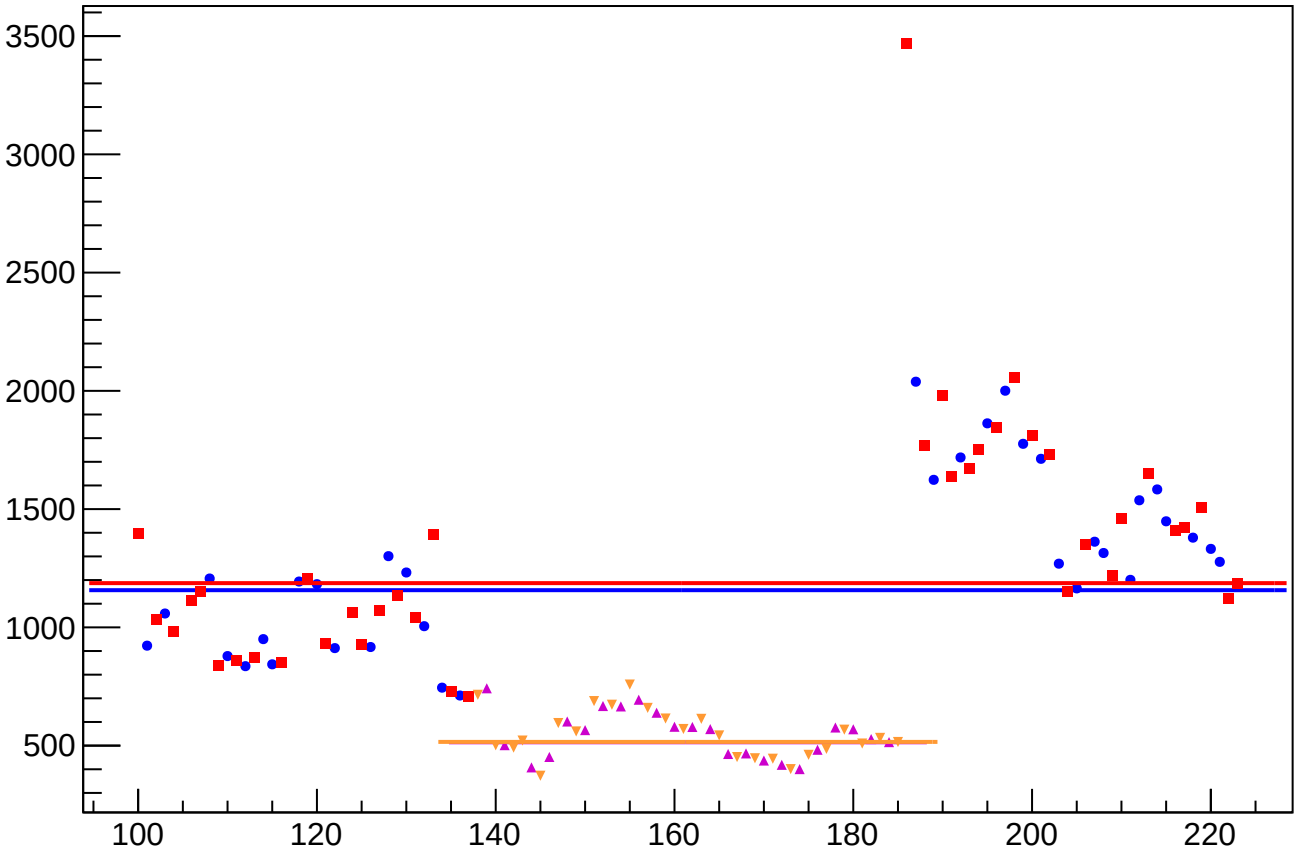
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

Right: 111.792+/-182.458 χ^2/NDF: 167.1/72

In: -144.283+/-110.423 χ^2/NDF:98.8/56

Out: -237.850+/-108.398 χ^2/NDF:176.8/63

All: -191.932+/-77.355 χ^2/NDF: 275.9/120



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

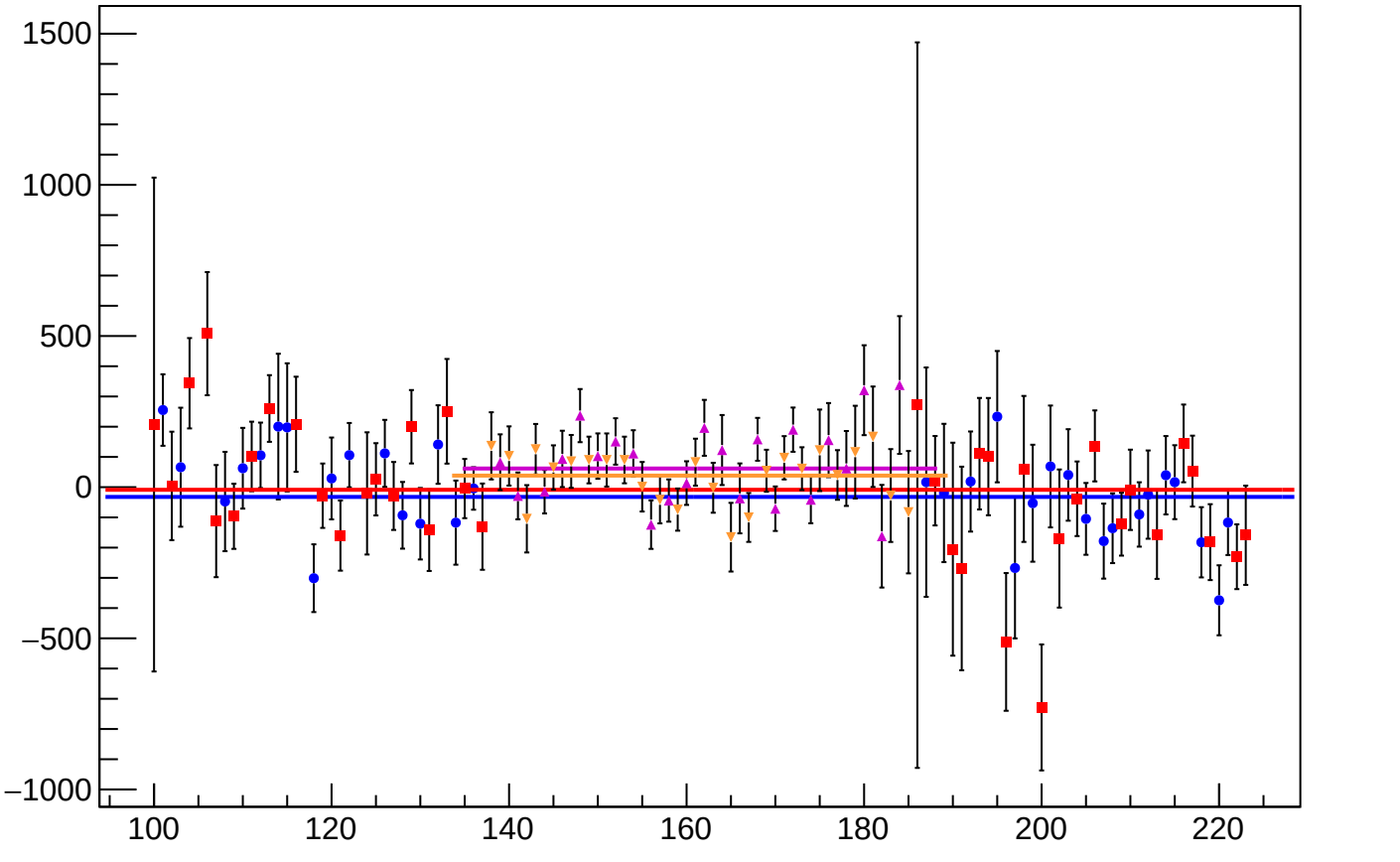
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

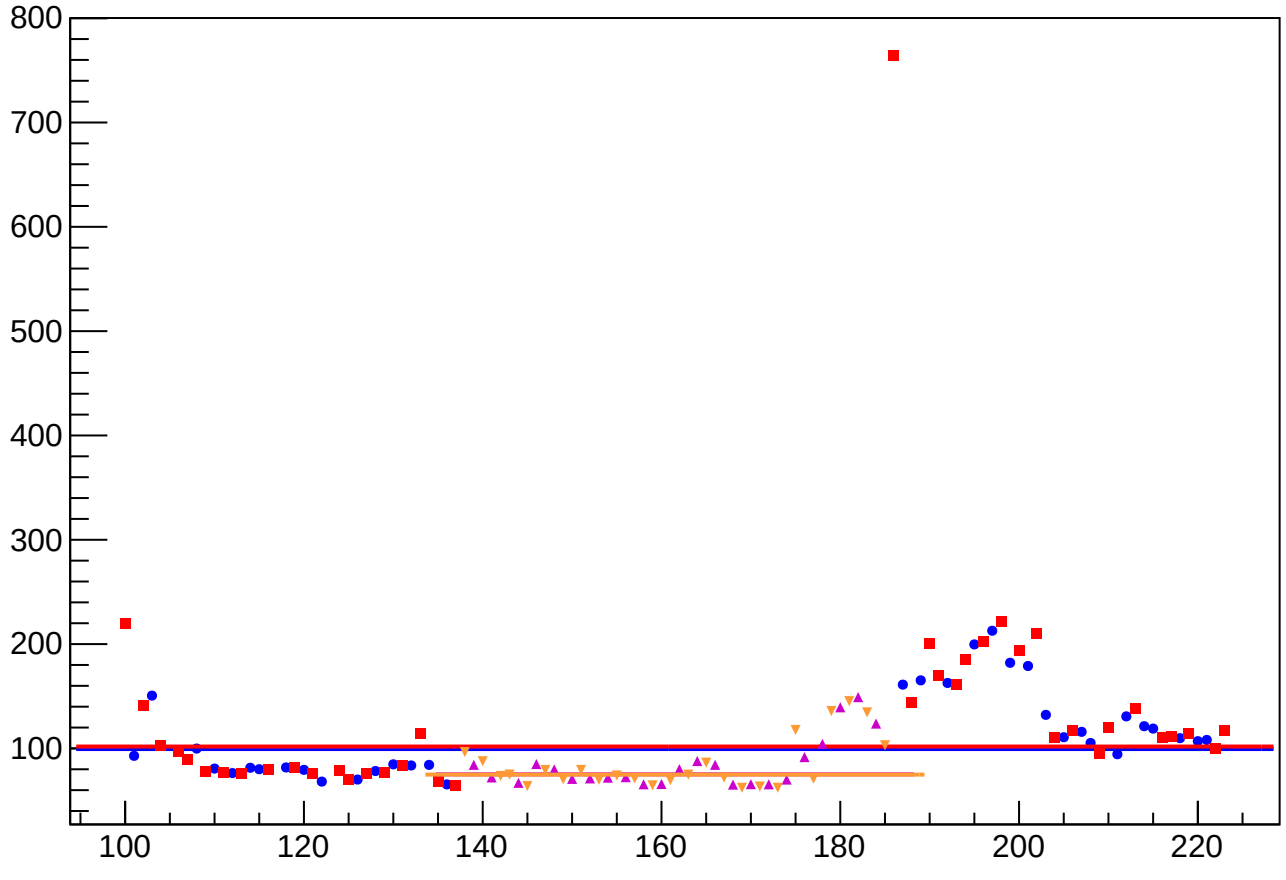
Right: 1171.994+/-0.129 χ^2/NDF: 6890586.0/72

In: 633.024+/-0.078 χ^2/NDF:14555386.6/56

Out: 633.066+/-0.077 χ^2/NDF:15958734.7/63

All: 633.045+/-0.055 χ^2/NDF: 30514121.4/12


eigen_dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -32.270+/-22.413 χ²/NDF: 40.4/33
Left Out: 38.282+/-17.670 χ²/NDF:18.8/24
Right Out: -8.695+/-22.863 χ²/NDF: 62.2/38
Left In: 61.723+/-18.192 χ²/NDF:36.7/22
Left: 49.661+/-12.675 χ²/NDF: 56.4/47
Right: -20.717+/-16.005 χ²/NDF: 103.1/72
In: 24.394+/-14.125 χ²/NDF:87.7/56
Out: 20.715+/-13.981 χ²/NDF:83.7/63
All: 22.536+/-9.936 χ²/NDF: 171.4/120



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

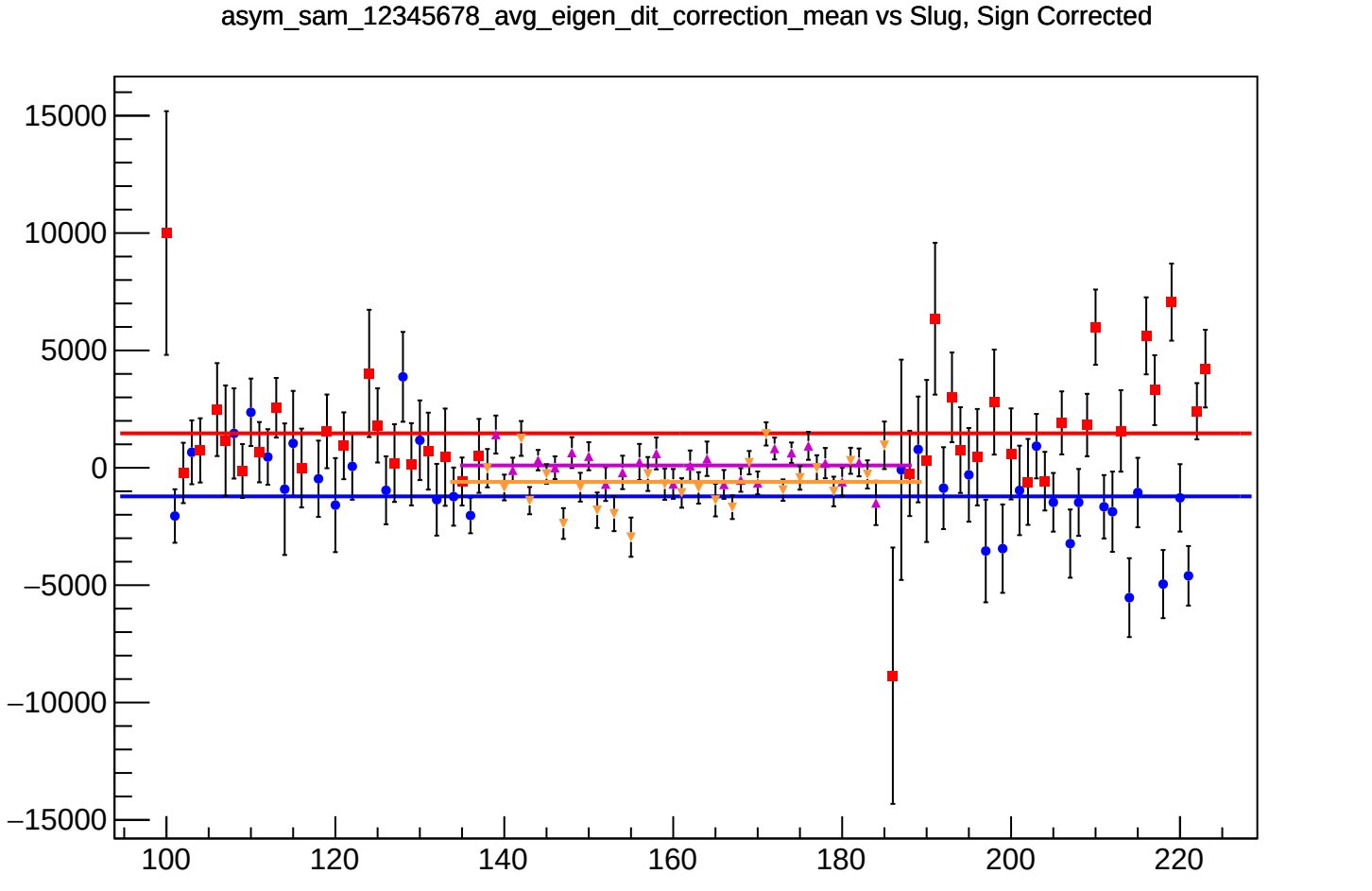
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 100.573+/-0.011 χ^2/NDF: 8843039.9/72

In: 84.783+/-0.010 χ^2/NDF:6533370.6/56

Out: 84.959+/-0.010 χ^2/NDF:8415347.6/63

All: 84.872+/-0.007 χ^2/NDF: 14948875.5/120



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

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

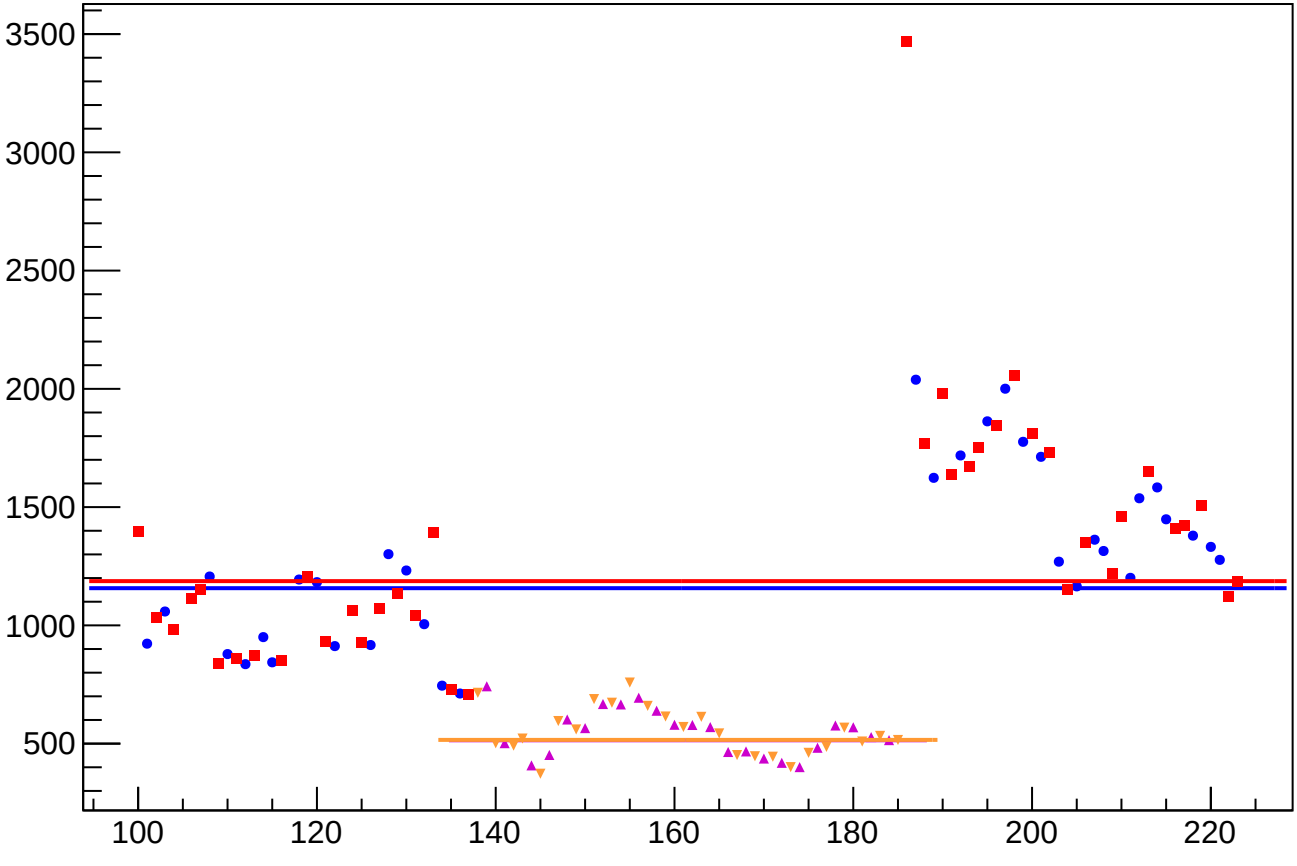
Right: 111.792+/-182.458 χ^2/NDF: 167.1/72

In: -144.283+/-110.423 χ^2/NDF:98.8/56

Out: -237.850+/-108.398 χ^2/NDF:176.8/63

All: -191.932+/-77.355 χ^2/NDF: 275.9/120

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1157.220+/-0.182 χ^2/NDF: 3212226.4/33

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1187.057+/-0.183 χ^2/NDF: 3665014.1/38

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

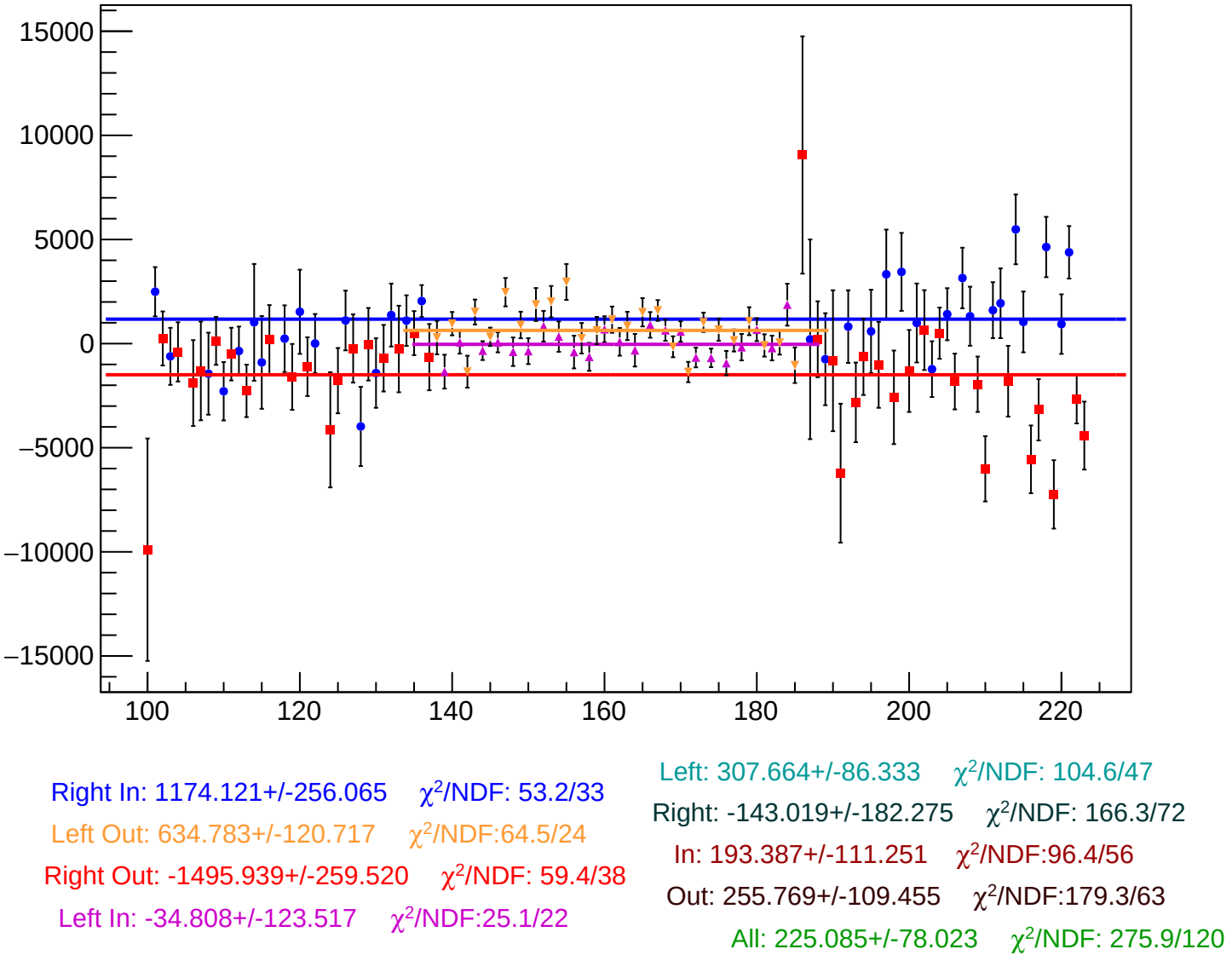
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1171.992+/-0.129 χ^2/NDF: 6890610.1/72

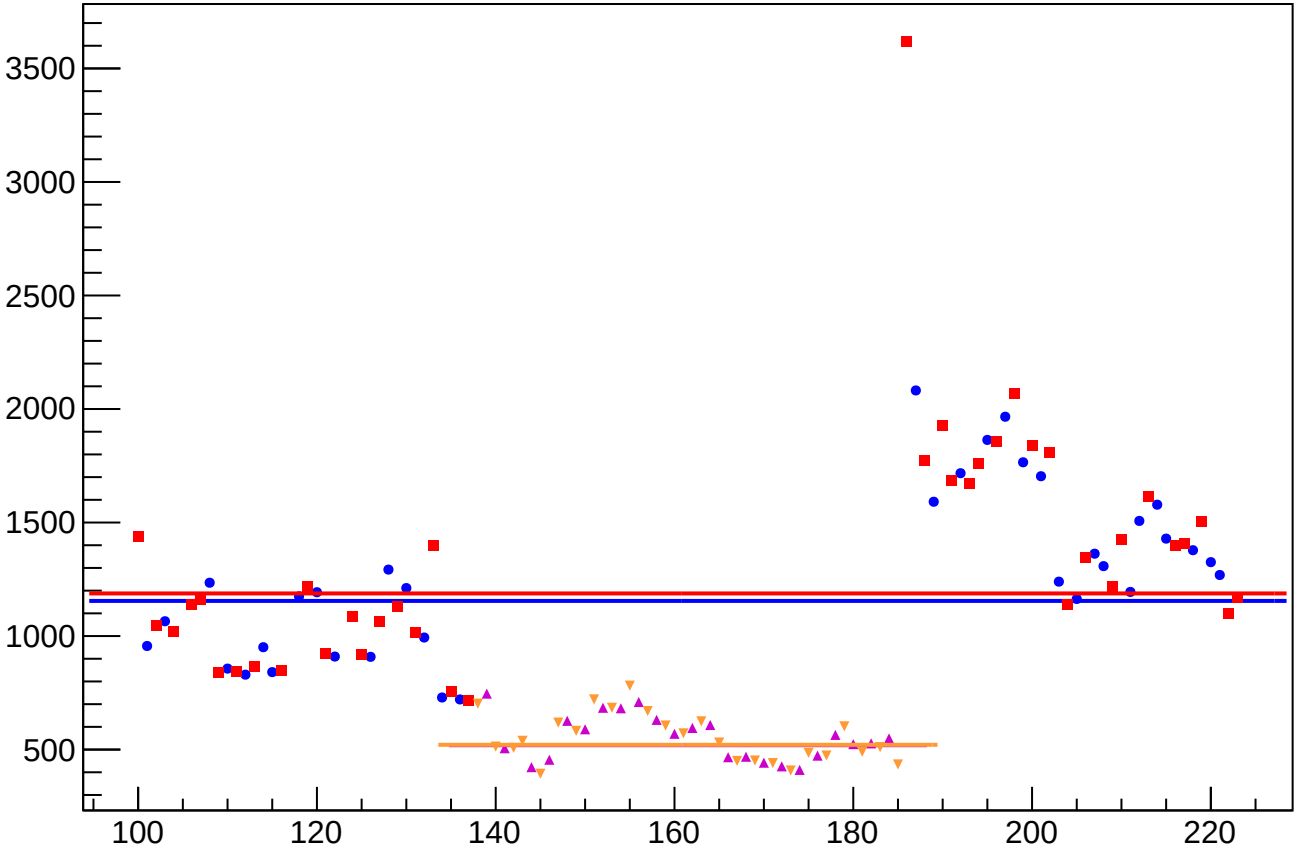
In: 633.023+/-0.078 χ^2/NDF:14555393.8/56

Out: 633.065+/-0.077 χ^2/NDF:15958750.3/63

All: 633.044+/-0.055 χ^2/NDF: 30514144.3/12


asym_sam_12345678_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1174.121+/-256.065 χ²/NDF: 53.2/33
Left Out: 634.783+/-120.717 χ²/NDF:64.5/24
Right Out: -1495.939+/-259.520 χ²/NDF: 59.4/38
Left In: -34.808+/-123.517 χ²/NDF:25.1/22
Left: 307.664+/-86.333 χ²/NDF: 104.6/47
Right: -143.019+/-182.275 χ²/NDF: 166.3/72
In: 193.387+/-111.251 χ²/NDF:96.4/56
Out: 255.769+/-109.455 χ²/NDF:179.3/63
All: 225.085+/-78.023 χ²/NDF: 275.9/120

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

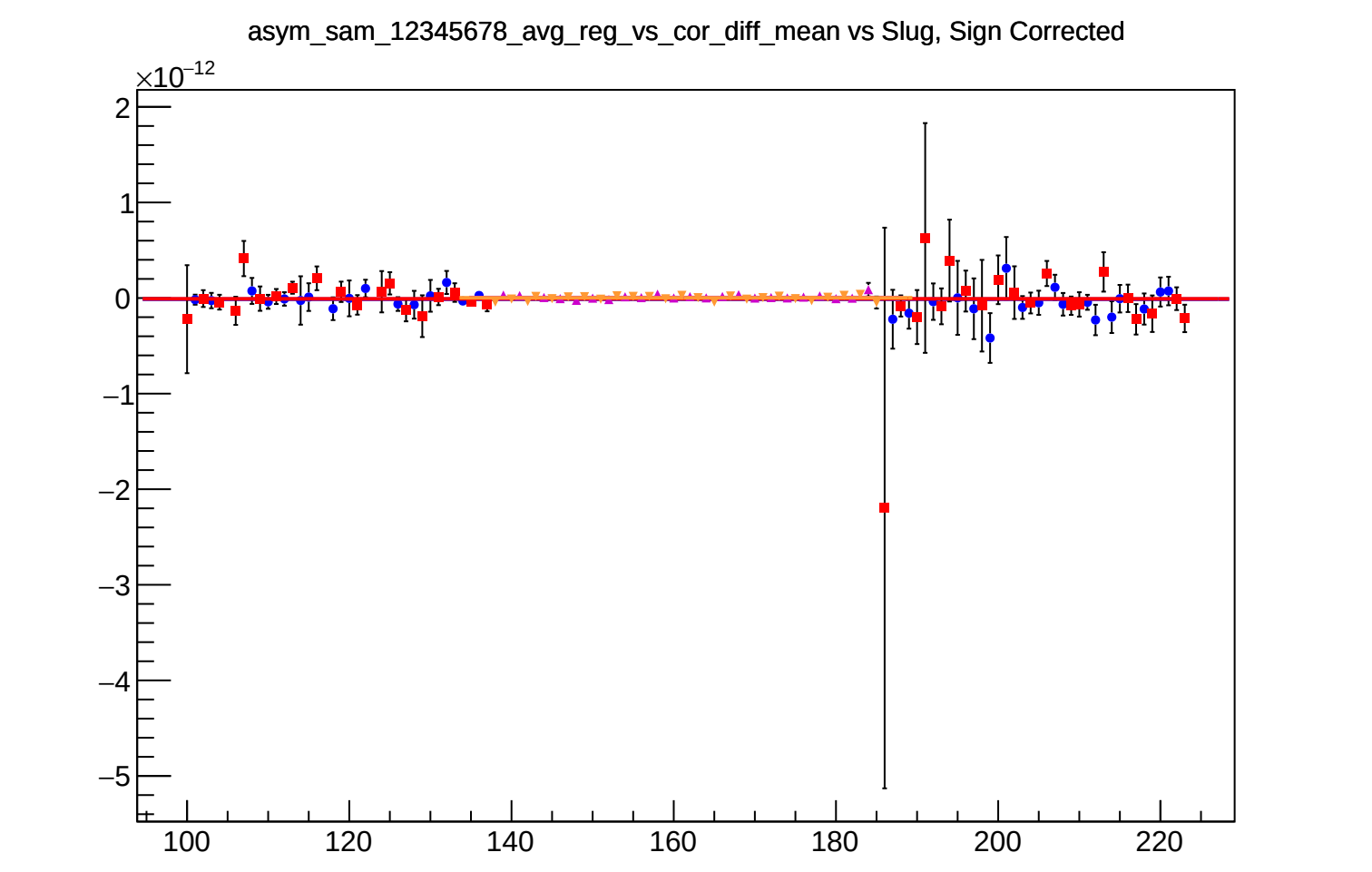
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1171.012+/-0.129 χ^2/NDF: 6806044.5/72

In: 639.201+/-0.079 χ^2/NDF:14232859.5/56

Out: 639.613+/-0.077 χ^2/NDF:15745113.3/63

All: 639.410+/-0.055 χ^2/NDF: 29977986.7/12



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

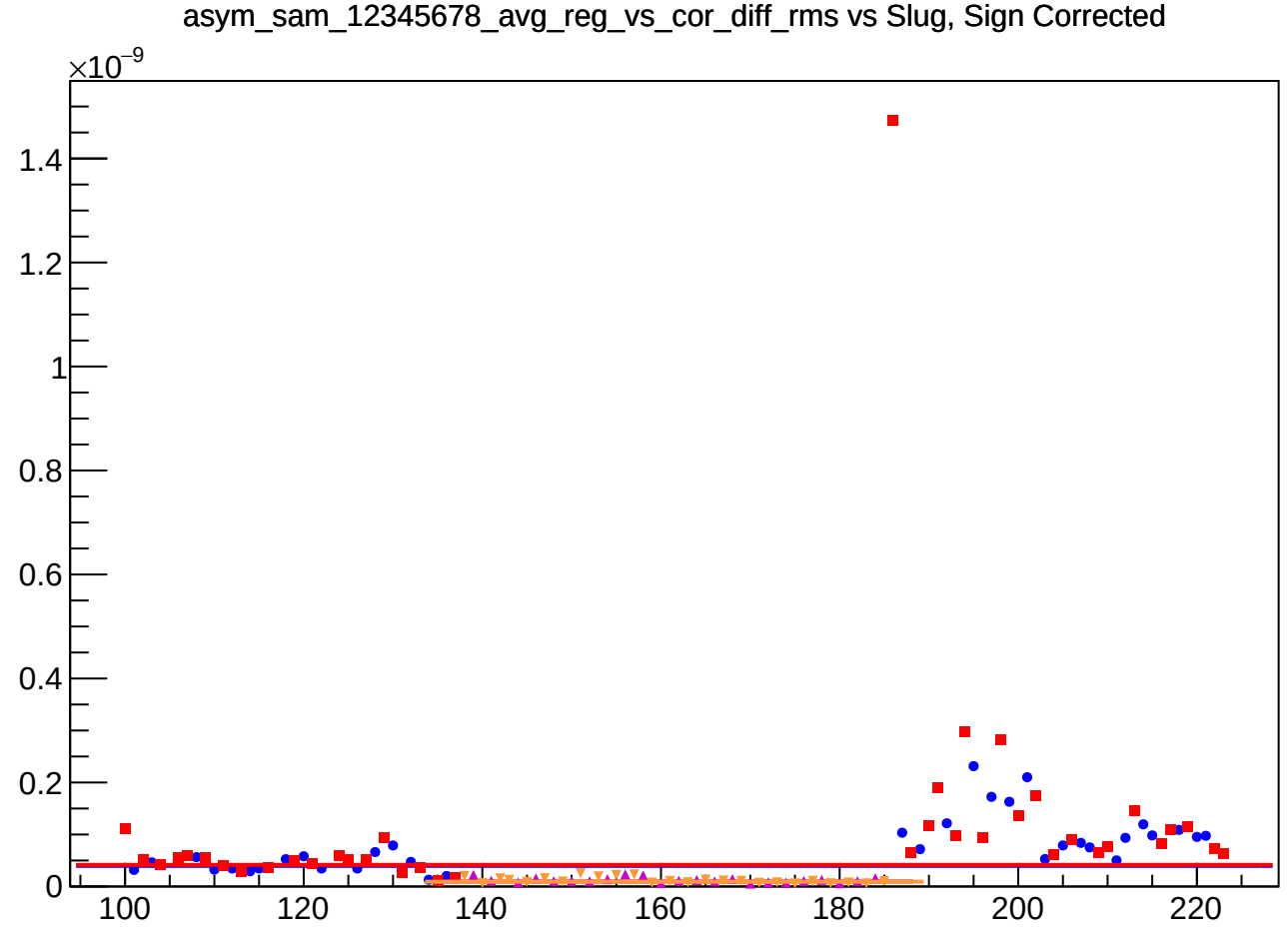
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 52.8/72

In: 0.000+/-0.000 χ^2/NDF:30.1/56

Out: 0.000+/-0.000 χ^2/NDF:57.4/63

All: 0.000+/-0.000 χ^2/NDF: 87.6/120



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

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

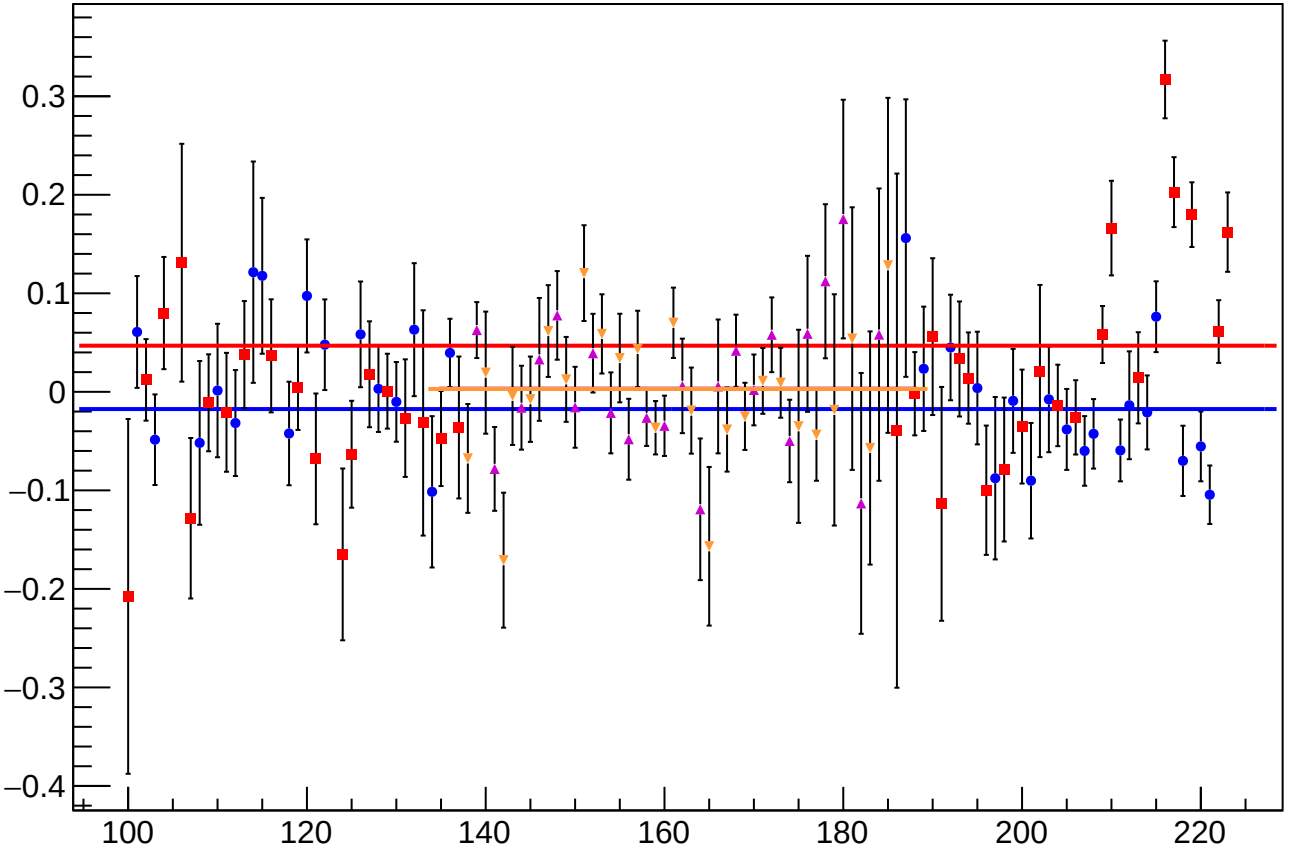
Right: 0.000+/-0.000 χ^2/NDF: 14528273.7/72

In: 0.000+/-0.000 χ^2/NDF:15322110.7/56

Out: 0.000+/-0.000 χ^2/NDF:16620612.6/63

All: 0.000+/-0.000 χ^2/NDF: 31972280.5/120

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

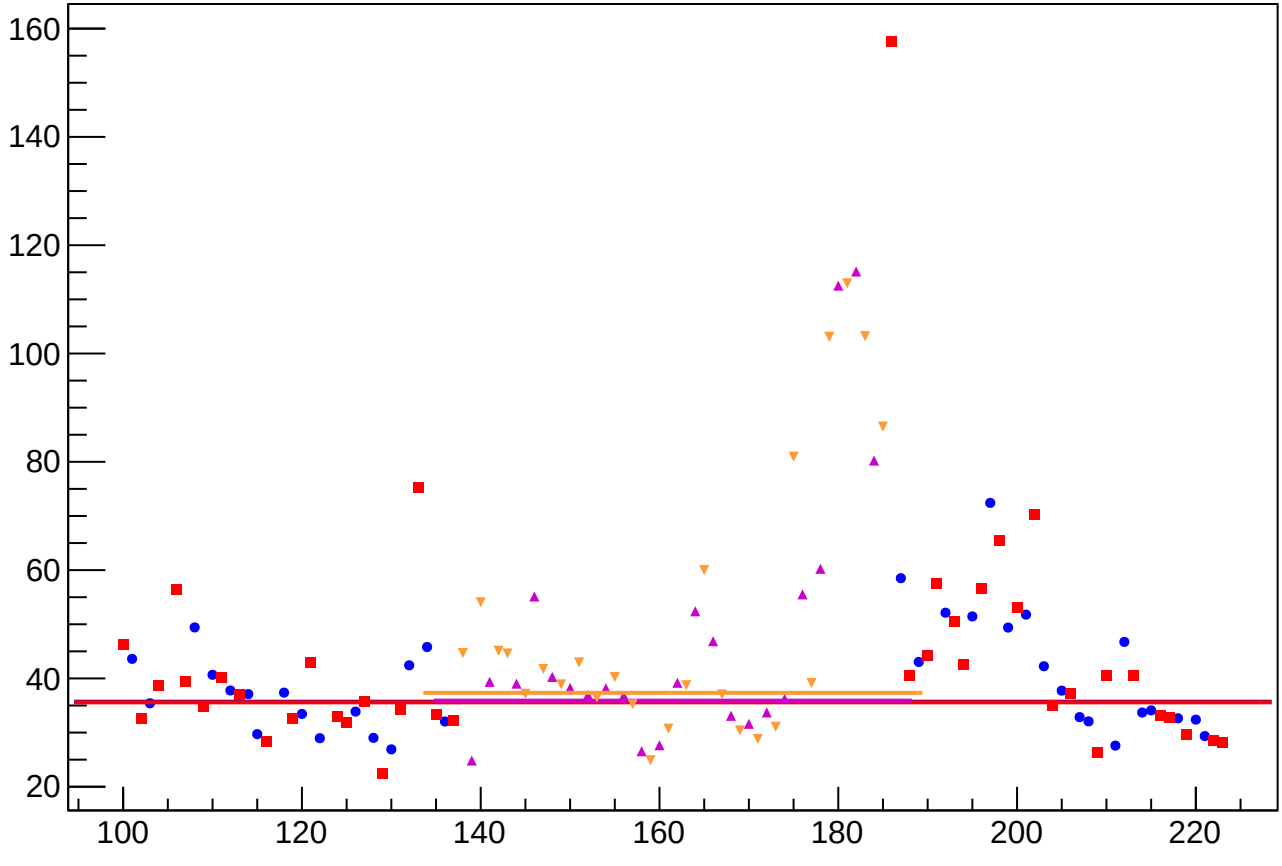
Right: 0.015+/-0.006 χ^2/NDF: 232.9/72

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.028+/-0.006 χ^2/NDF:197.2/63

All: 0.010+/-0.004 χ^2/NDF: 297.5/120

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

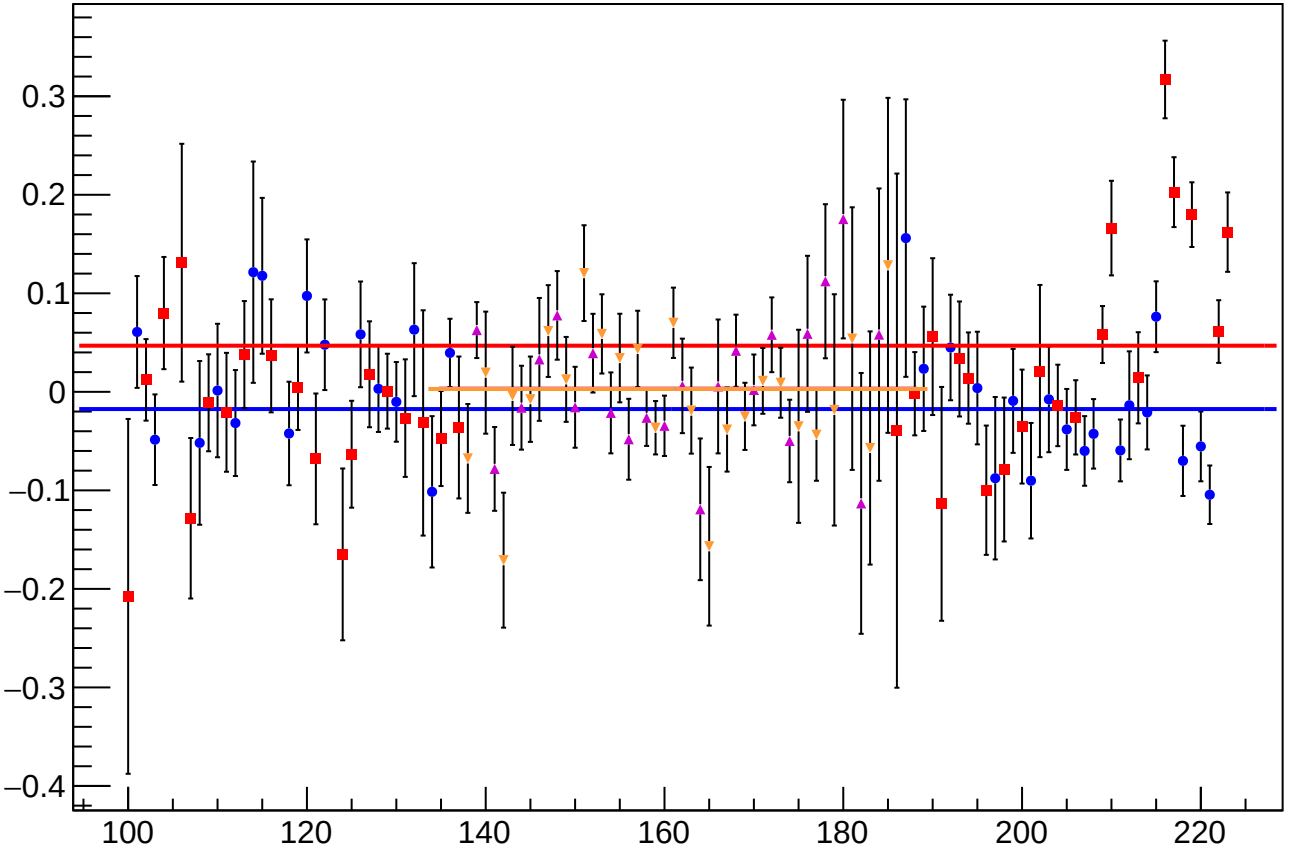
Right: 35.643+/-0.004 χ^2/NDF: 4853234.3/72

In: 35.787+/-0.004 χ^2/NDF:5044522.9/56

Out: 36.340+/-0.004 χ^2/NDF:6685168.9/63

All: 36.062+/-0.003 χ^2/NDF: 11738025.5/120

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

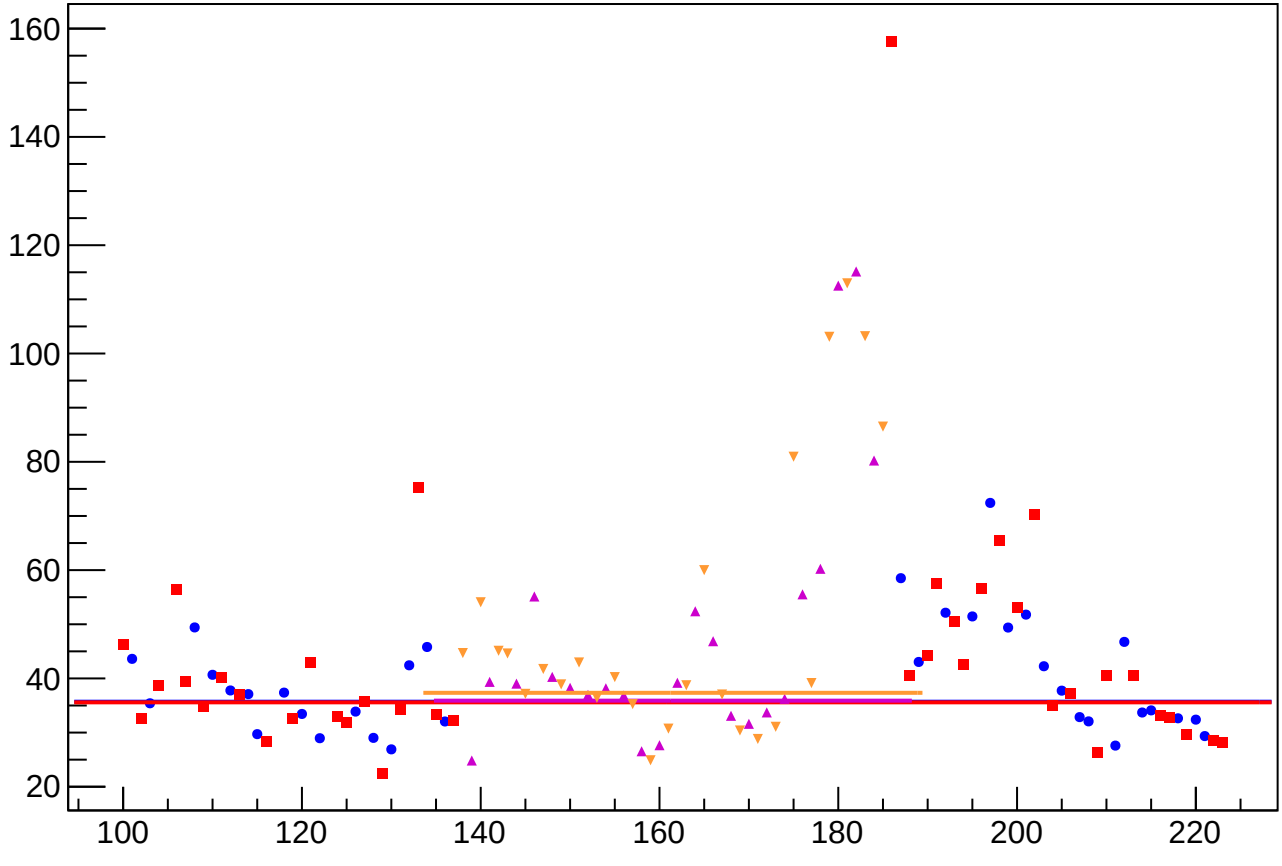
Right: 0.015+/-0.006 χ^2/NDF: 232.9/72

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.028+/-0.006 χ^2/NDF:197.2/63

All: 0.010+/-0.004 χ^2/NDF: 297.5/120

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

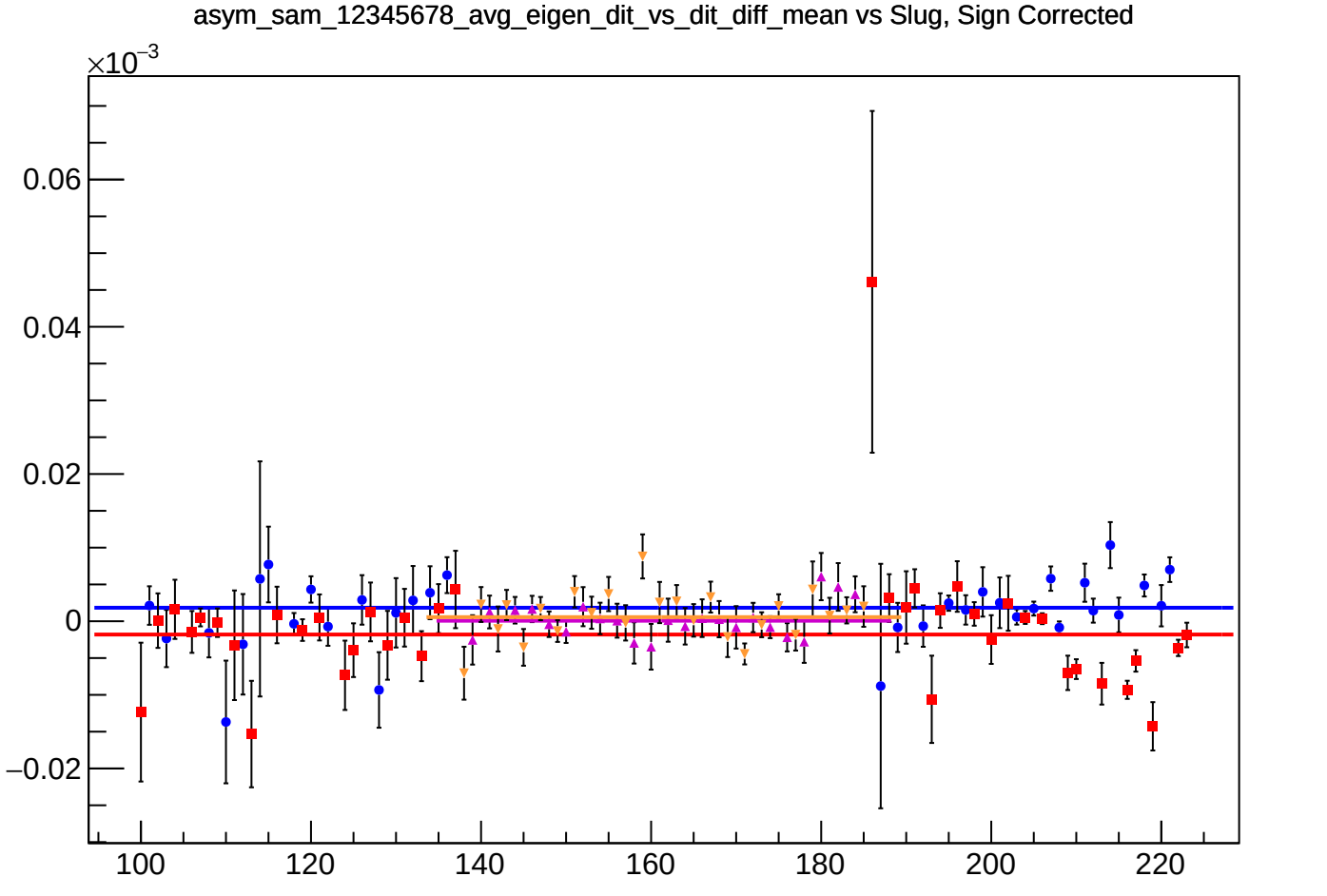
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 35.643+/-0.004 χ^2/NDF: 4853234.3/72

In: 35.787+/-0.004 χ^2/NDF:5044522.9/56

Out: 36.340+/-0.004 χ^2/NDF:6685168.9/63

All: 36.062+/-0.003 χ^2/NDF: 11738025.5/120



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

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

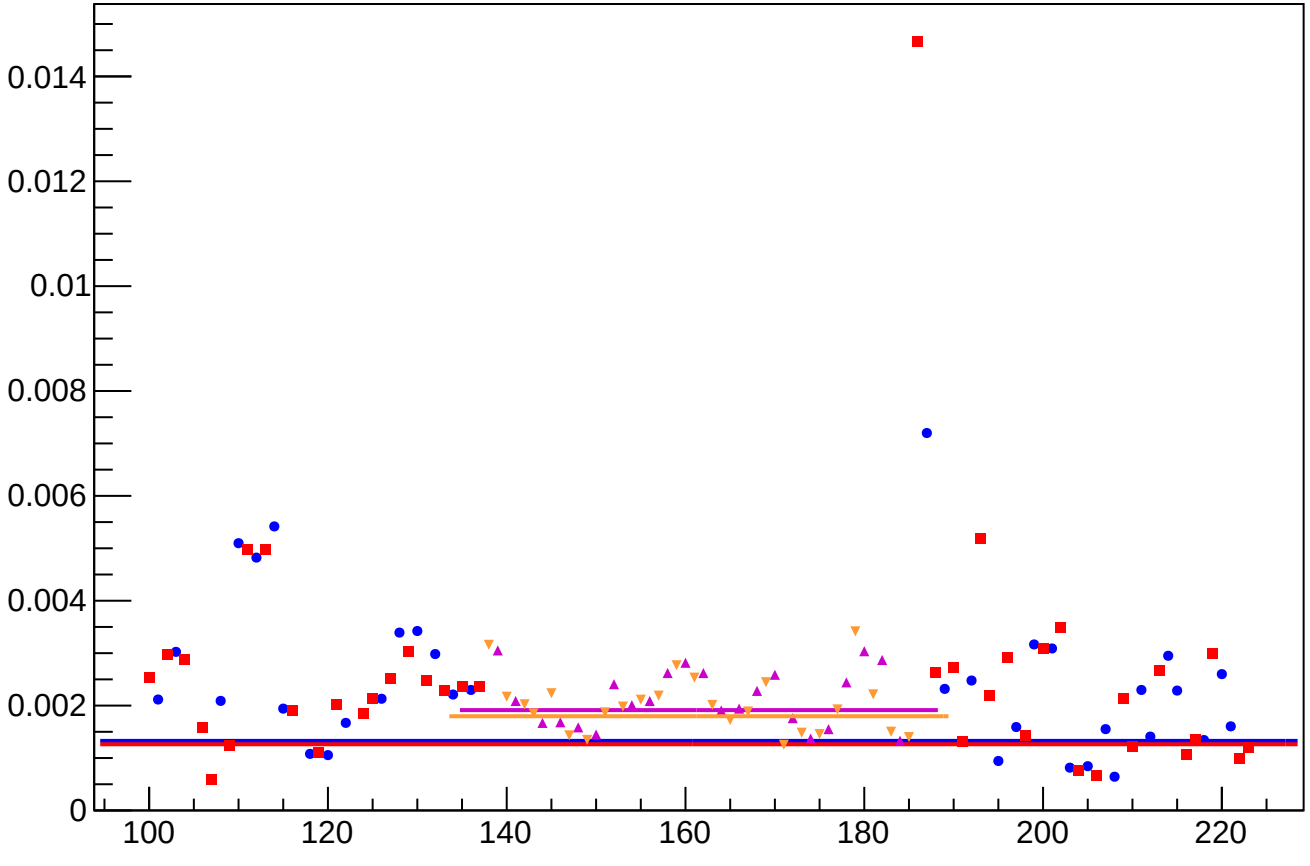
Right: -0.000+/-0.000 χ^2/NDF: 268.1/72

In: 0.000+/-0.000 χ^2/NDF:91.1/56

Out: -0.000+/-0.000 χ^2/NDF:204.6/63

All: 0.000+/-0.000 χ^2/NDF: 330.3/120

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

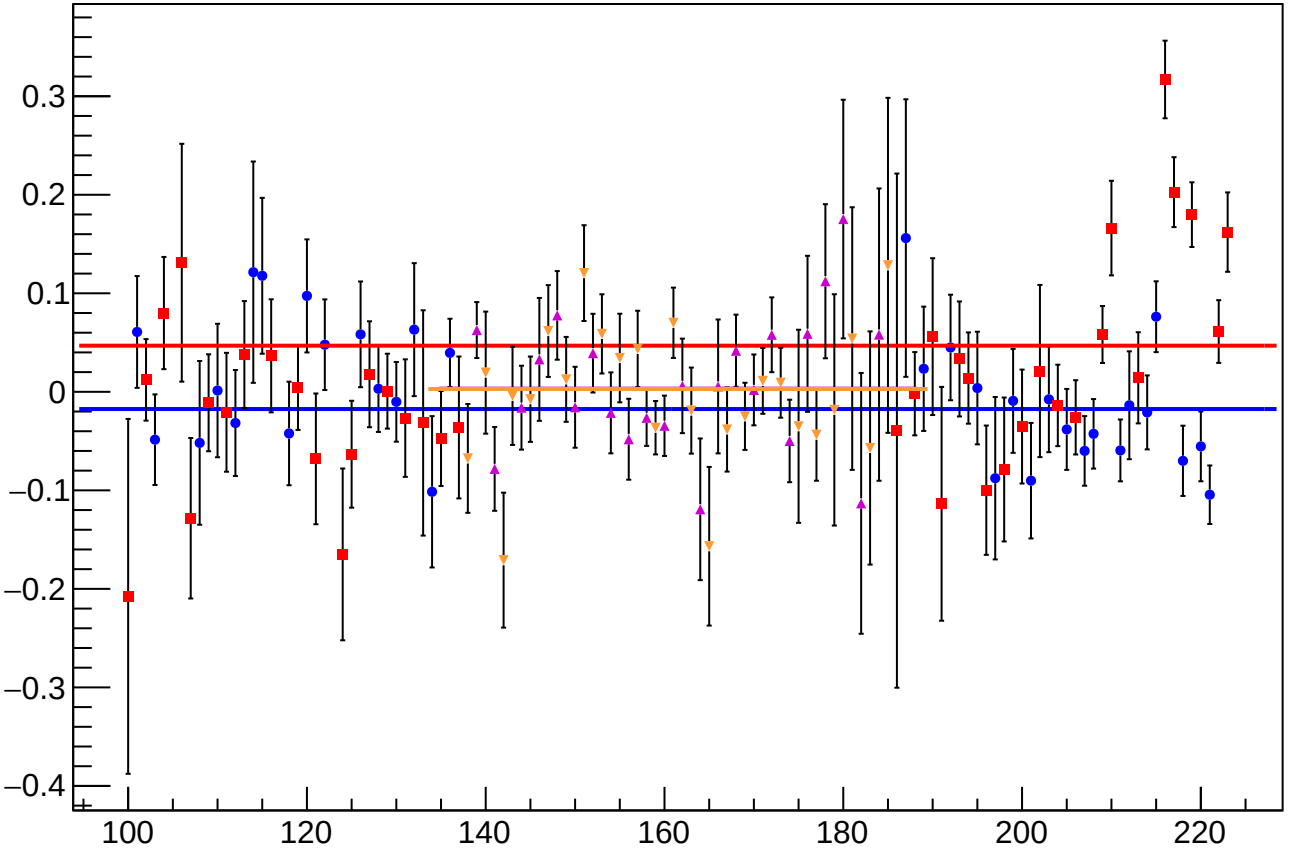
Right: 0.001+/-0.000 χ^2/NDF: 21315159.5/72

In: 0.002+/-0.000 χ^2/NDF:13921838.2/56

Out: 0.001+/-0.000 χ^2/NDF:15943888.8/63

All: 0.001+/-0.000 χ^2/NDF: 29941975.7/120

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

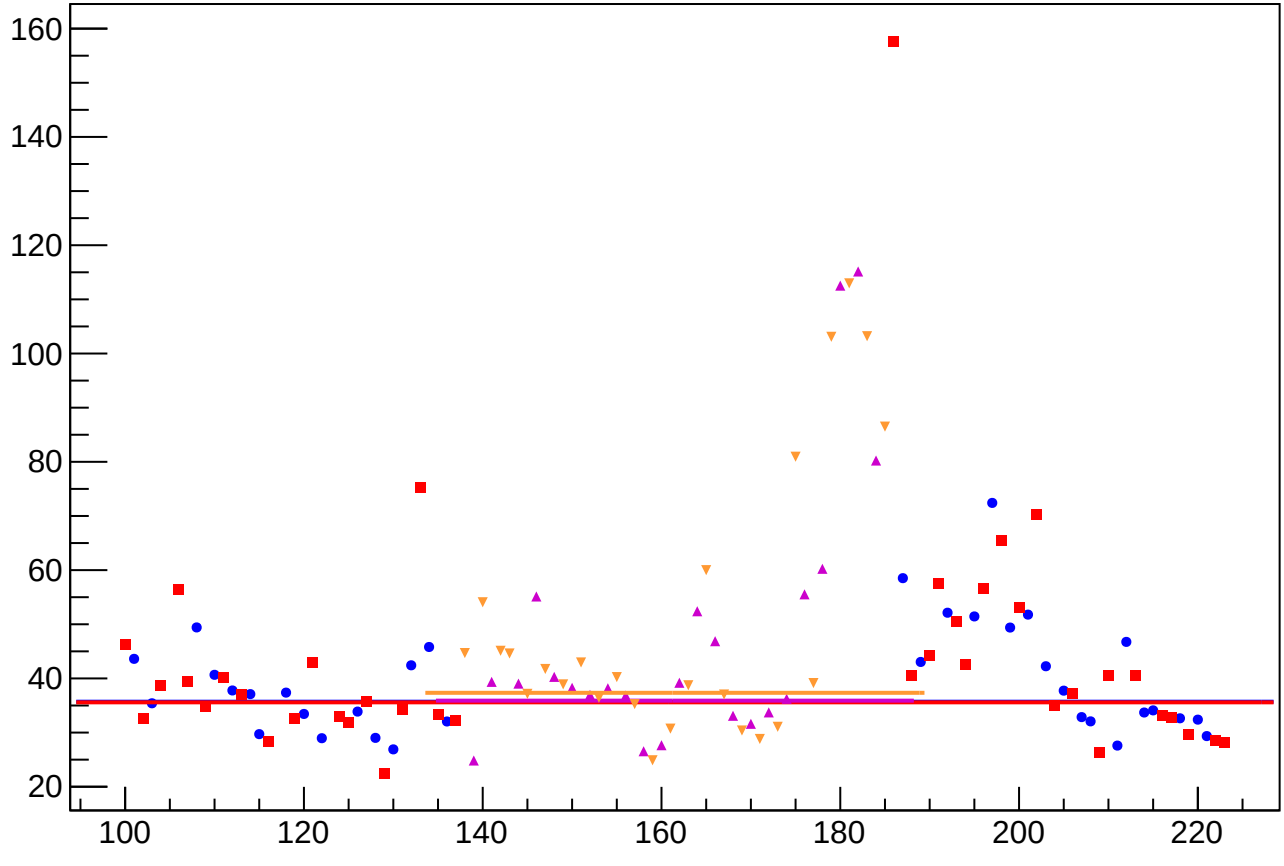
Right: 0.015+/-0.006 χ^2/NDF: 232.9/72

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.028+/-0.006 χ^2/NDF:197.2/63

All: 0.010+/-0.004 χ^2/NDF: 297.4/120

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

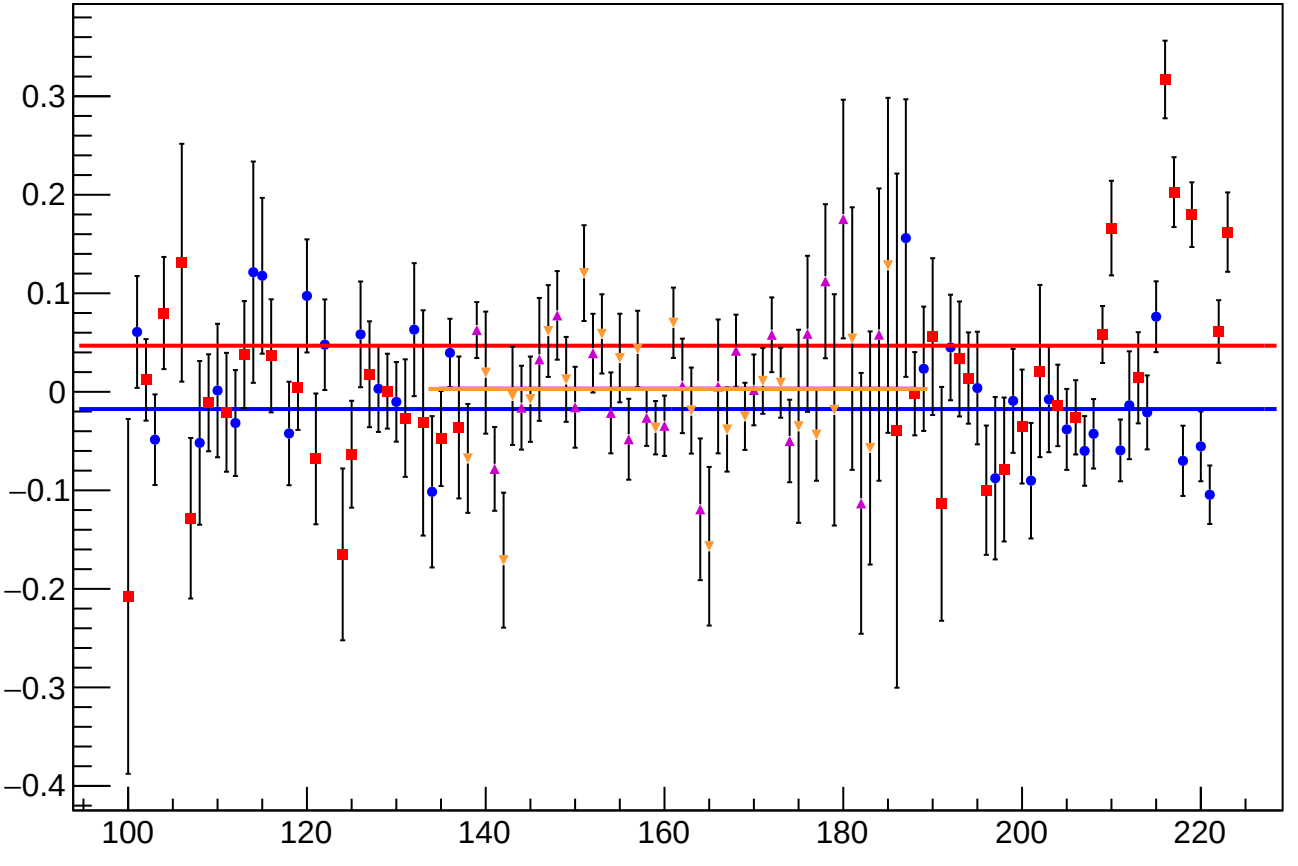
Right: 35.643+/-0.004 χ^2/NDF: 4853392.2/72

In: 35.787+/-0.004 χ^2/NDF:5044599.1/56

Out: 36.340+/-0.004 χ^2/NDF:6685348.4/63

All: 36.062+/-0.003 χ^2/NDF: 11738280.1/120

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

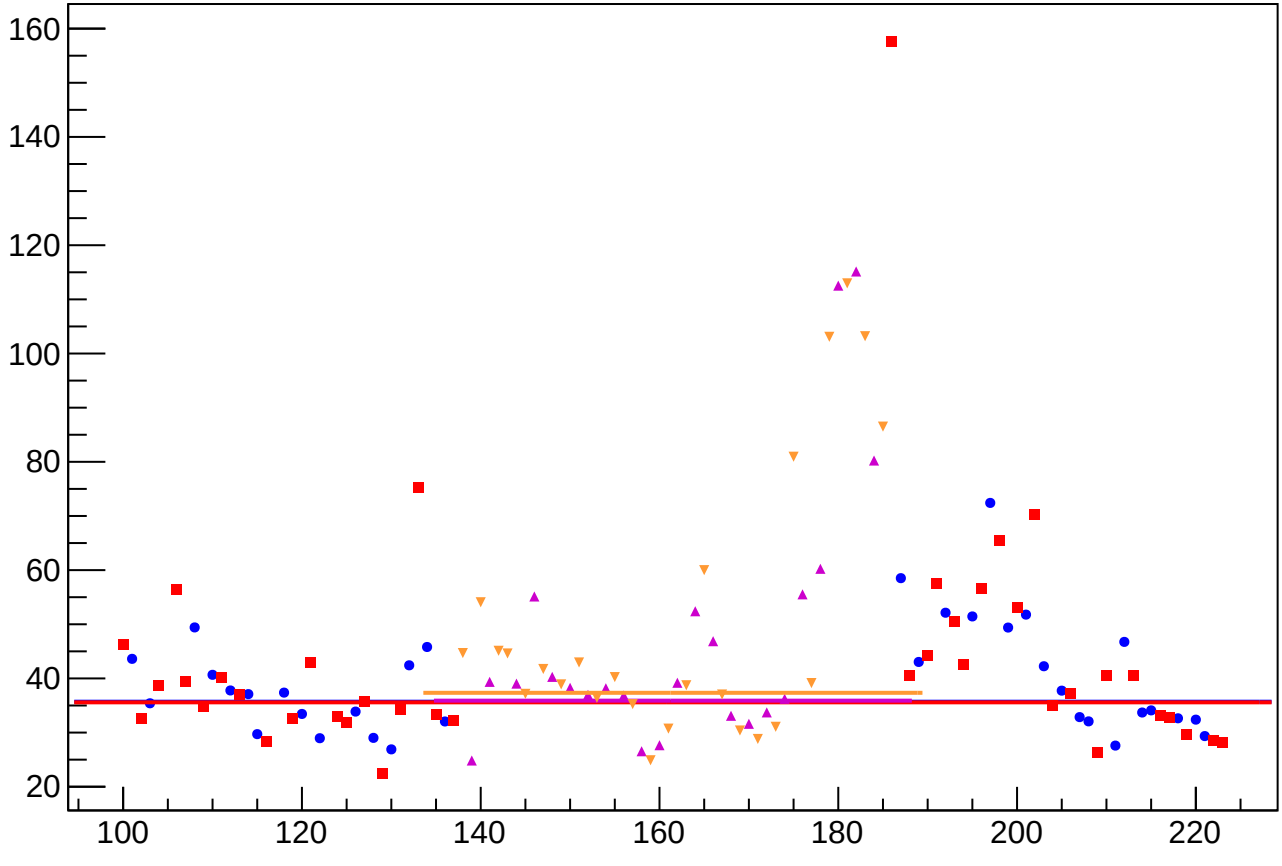
Right: 0.015+/-0.006 χ^2/NDF: 232.9/72

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.028+/-0.006 χ^2/NDF:197.2/63

All: 0.010+/-0.004 χ^2/NDF: 297.4/120

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

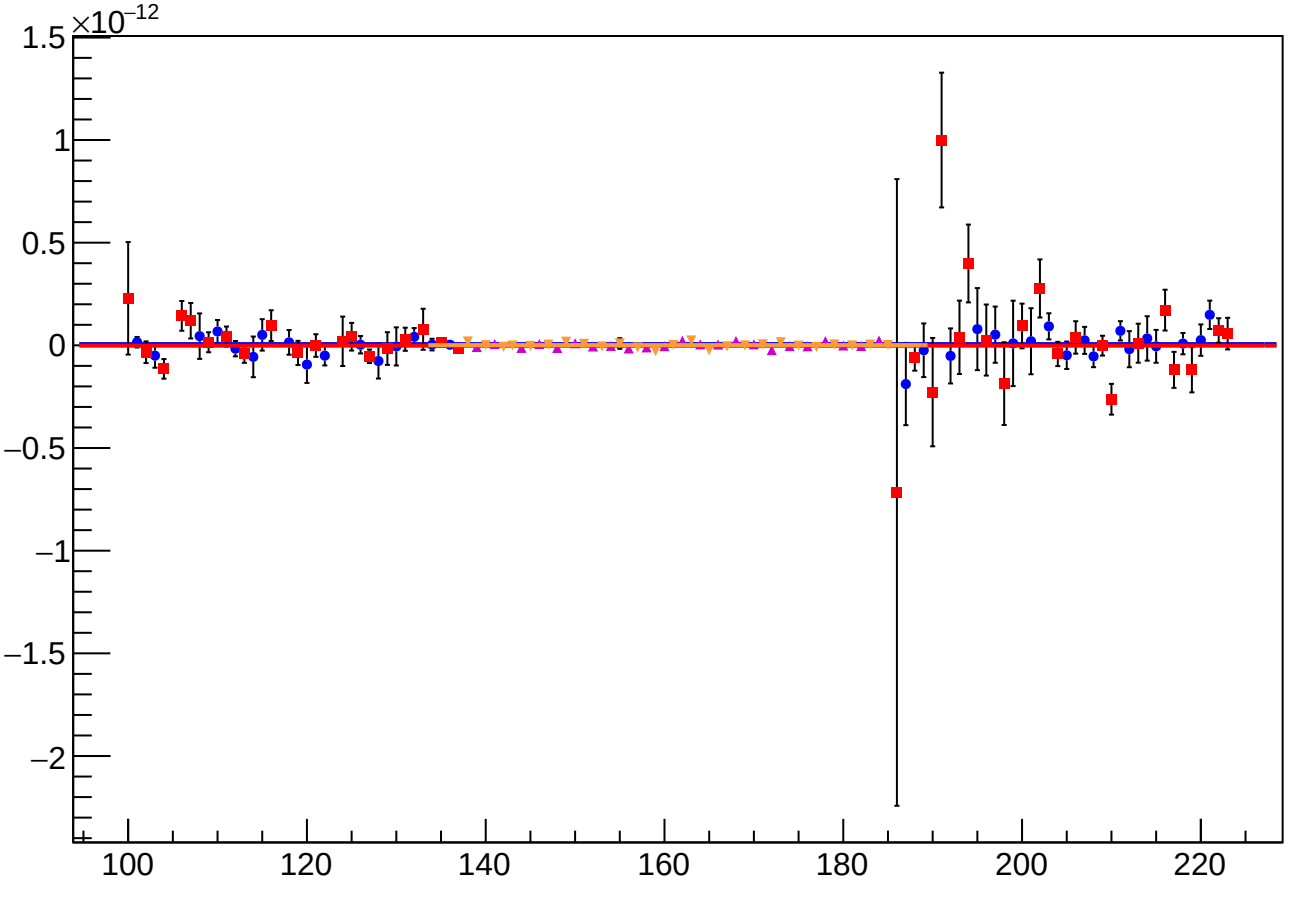
Right: 35.643+/-0.004 χ^2/NDF: 4853392.2/72

In: 35.787+/-0.004 χ^2/NDF:5044599.1/56

Out: 36.340+/-0.004 χ^2/NDF:6685348.4/63

All: 36.062+/-0.003 χ^2/NDF: 11738280.1/120

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

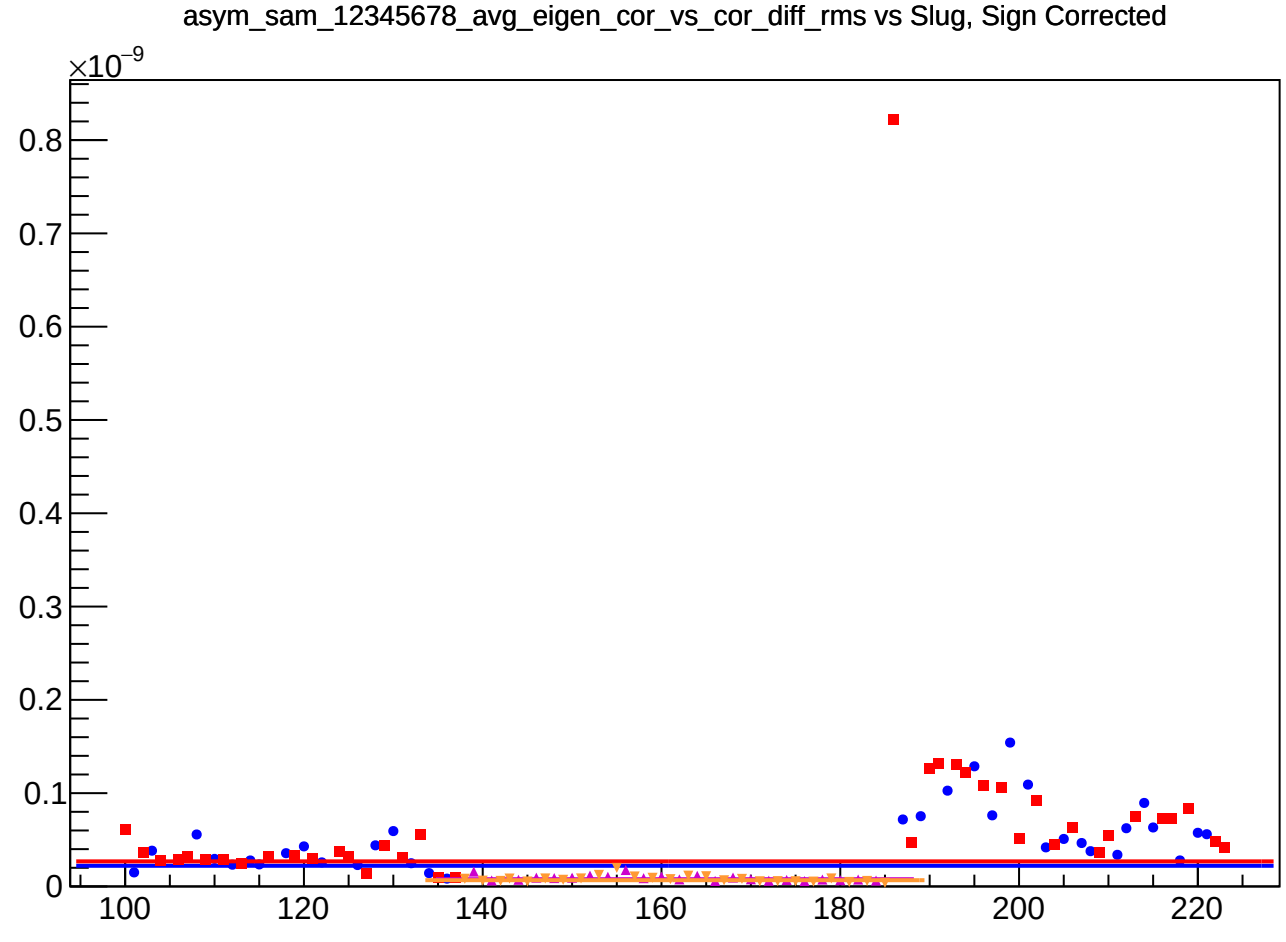
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 83.5/72

In: 0.000+/-0.000 χ^2/NDF:49.1/56

Out: 0.000+/-0.000 χ^2/NDF:85.1/63

All: 0.000+/-0.000 χ^2/NDF: 134.2/120



Right In: 0.000+/-0.000 χ^2/NDF: 11074075.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10560464.3/38

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

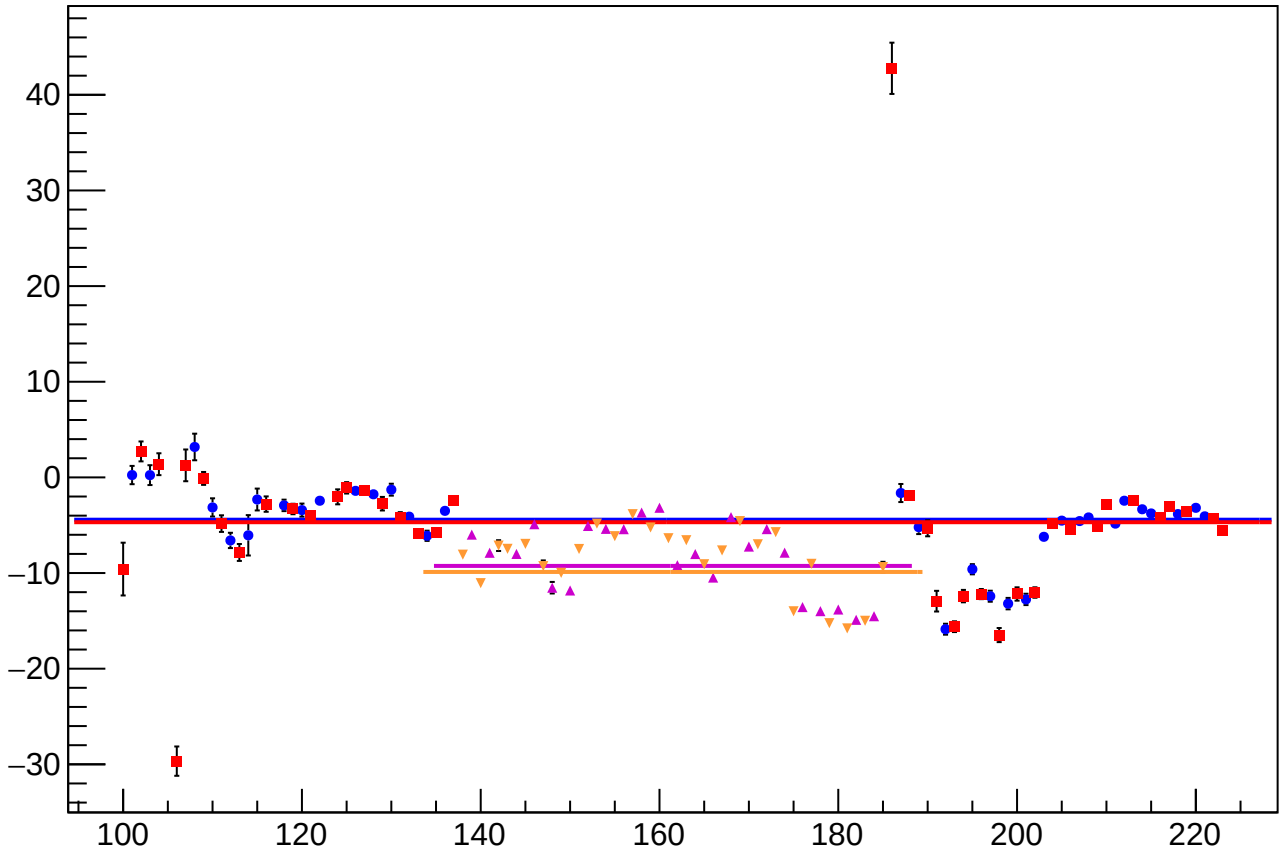
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 21943682.7/72

In: 0.000+/-0.000 χ^2/NDF:18791041.9/56

Out: 0.000+/-0.000 χ^2/NDF:22125094.5/63

All: 0.000+/-0.000 χ^2/NDF: 41266546.4/120



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

Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

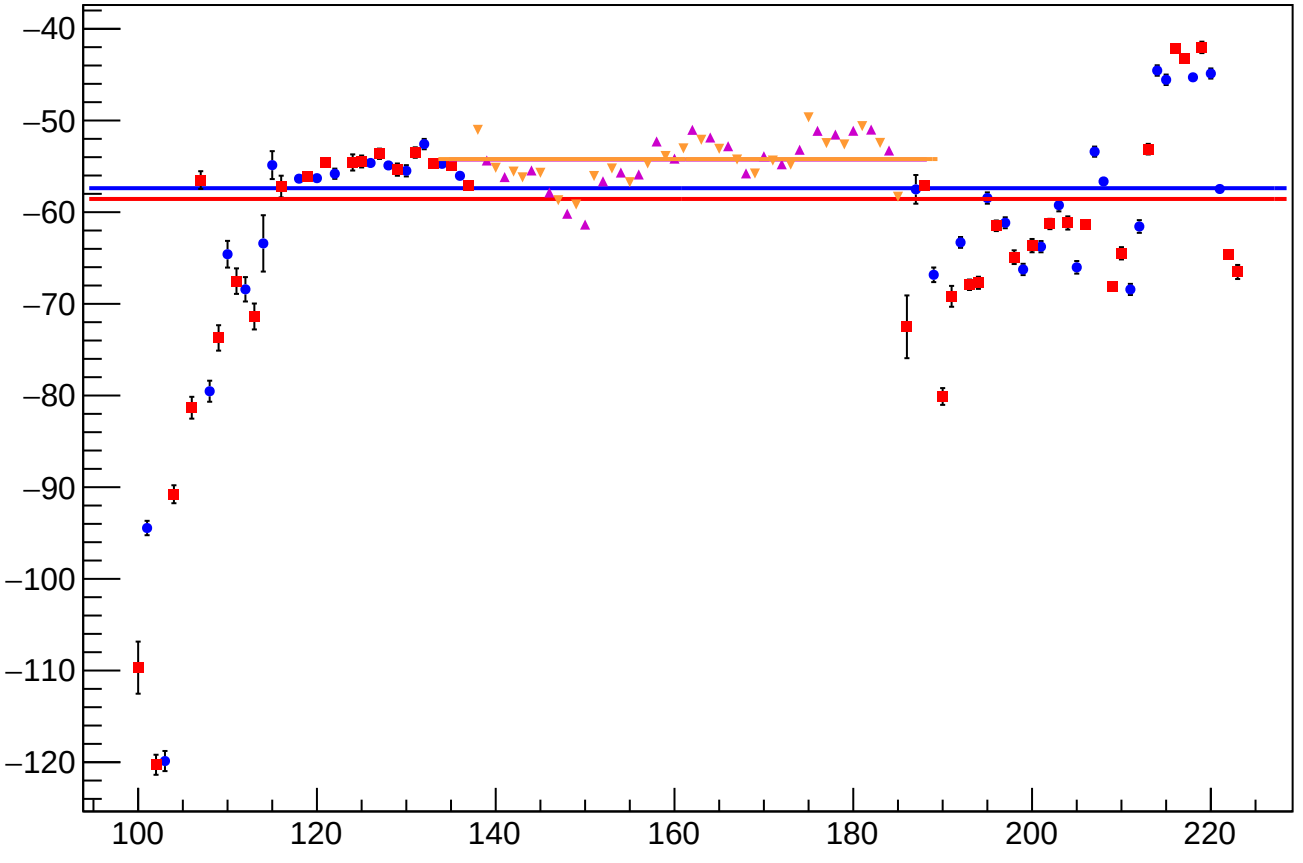
Right: -4.553+/-0.053 χ^2/NDF: 3884.4/72

In: -6.948+/-0.052 χ^2/NDF:6666.4/56

Out: -7.522+/-0.051 χ^2/NDF:8201.7/63

All: -7.237+/-0.036 χ^2/NDF: 14930.2/120

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



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

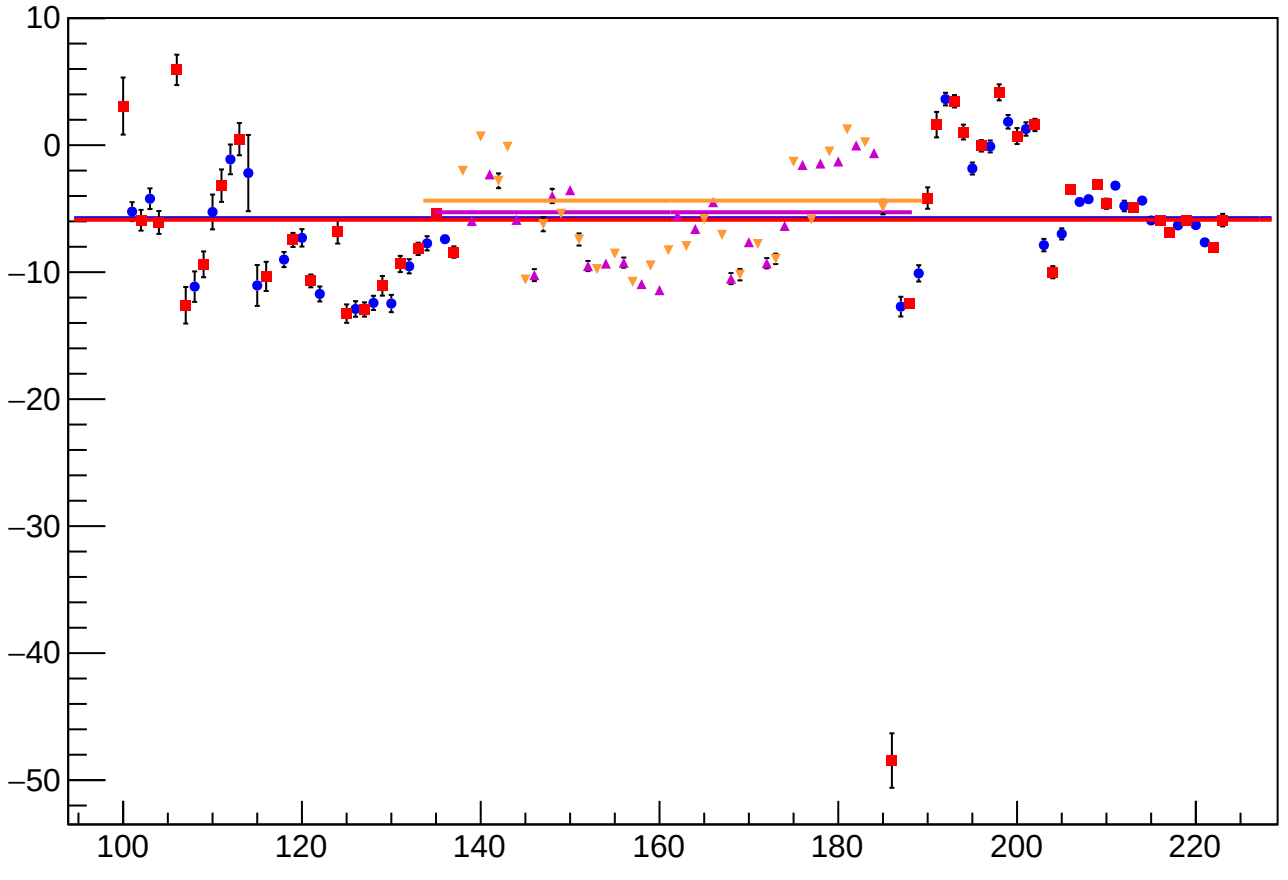
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -57.967+/-0.070 χ^2/NDF: 20009.0/72

In: -55.073+/-0.050 χ^2/NDF:12758.2/56

Out: -55.262+/-0.049 χ^2/NDF:13750.2/63

All: -55.170+/-0.035 χ^2/NDF: 26515.8/120



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

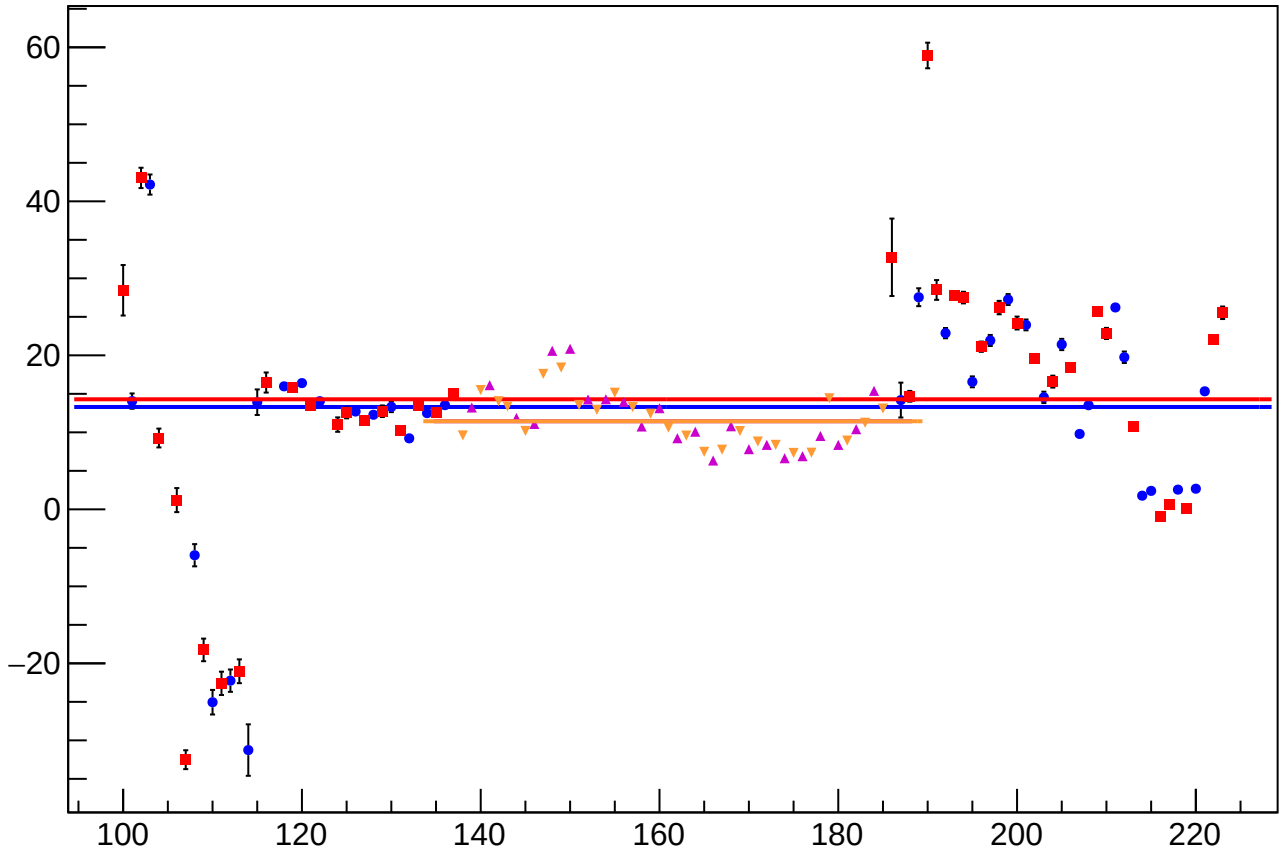
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.810+/-0.055 χ^2/NDF: 5265.3/72

In: -5.495+/-0.052 χ^2/NDF:4708.5/56

Out: -5.025+/-0.052 χ^2/NDF:7233.6/63

All: -5.258+/-0.037 χ^2/NDF: 11982.6/120



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

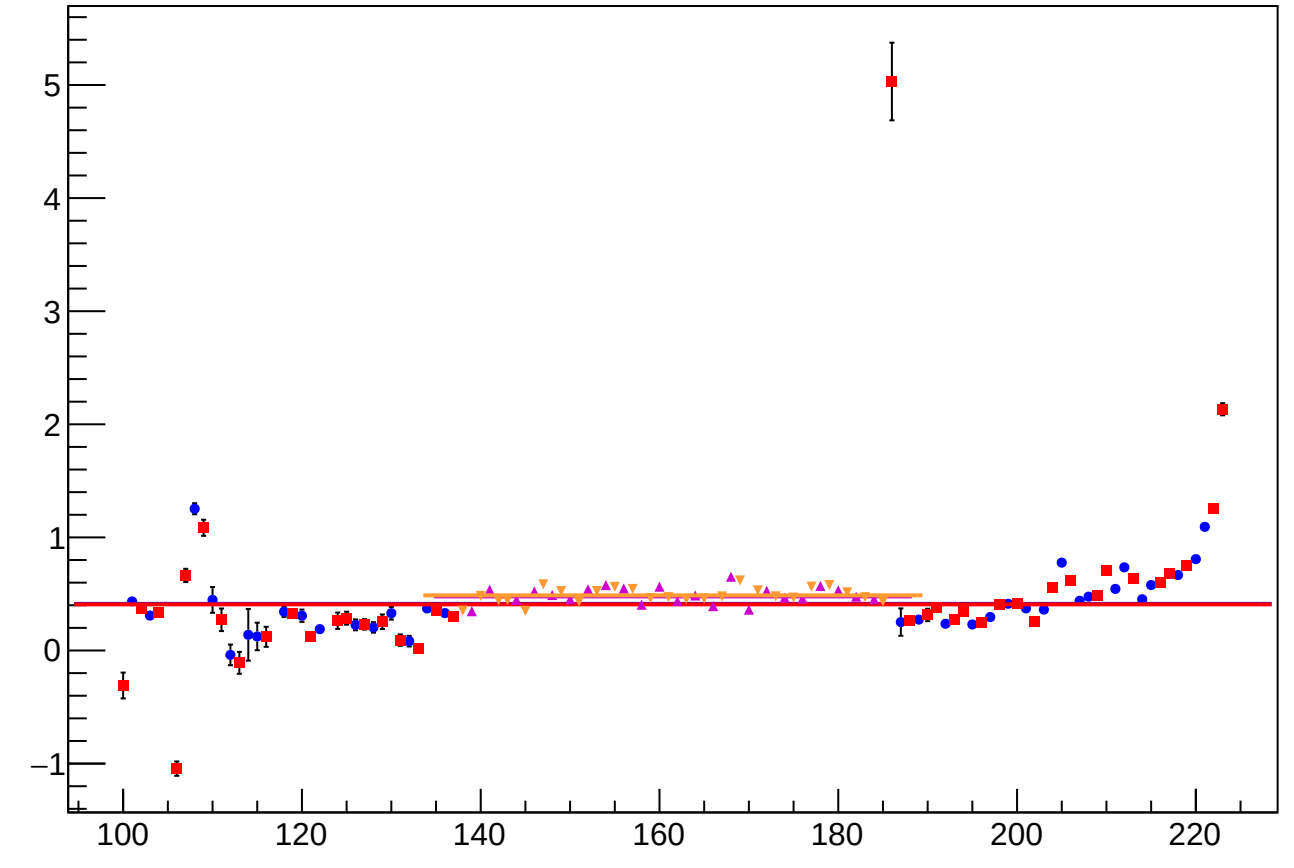
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 13.782+/-0.077 χ^2/NDF: 14300.3/72

In: 11.923+/-0.055 χ^2/NDF:9057.5/56

Out: 12.123+/-0.054 χ^2/NDF:11720.5/63

All: 12.025+/-0.039 χ^2/NDF: 20784.7/120



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

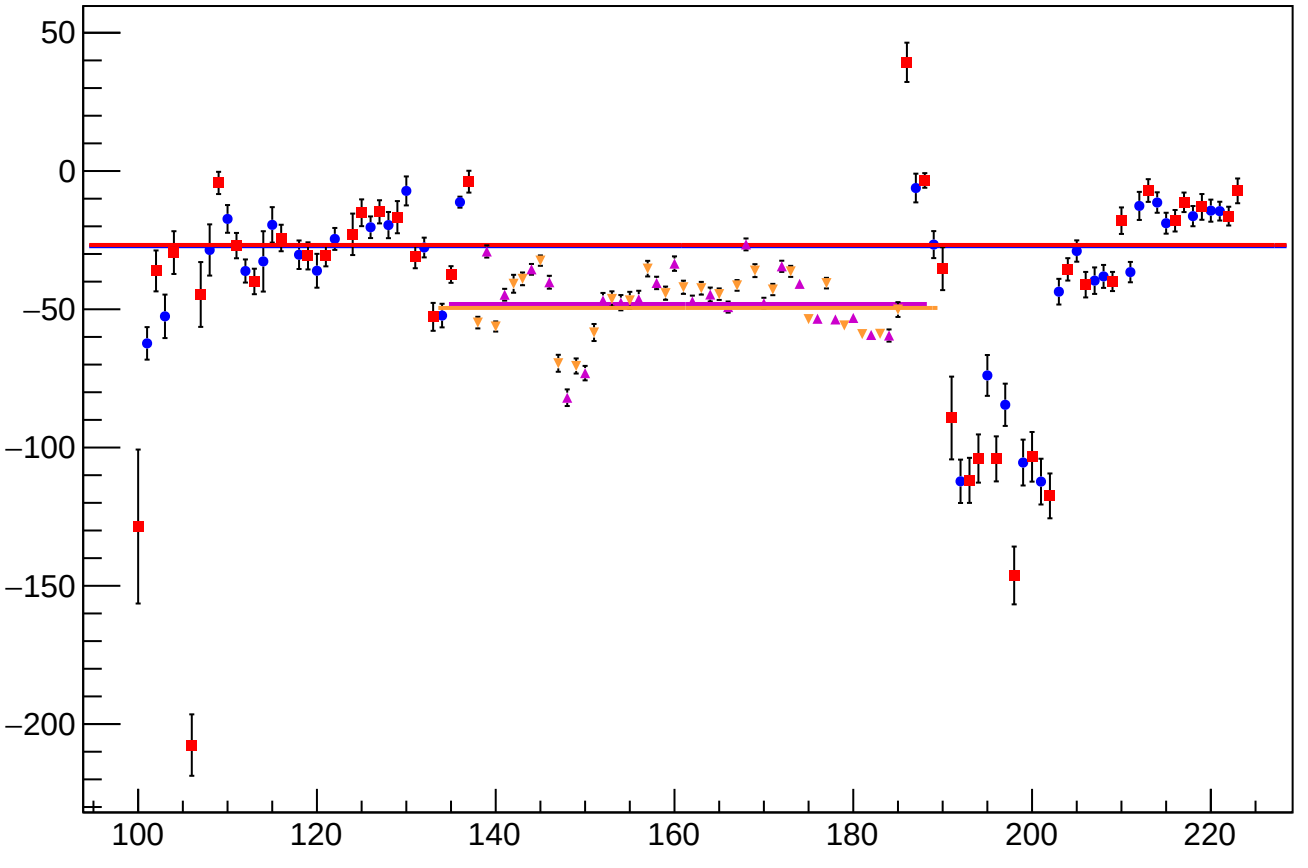
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.410+/-0.004 χ^2/NDF: 5088.5/72

In: 0.462+/-0.002 χ^2/NDF:2557.7/56

Out: 0.470+/-0.002 χ^2/NDF:4199.3/63

All: 0.466+/-0.002 χ^2/NDF: 6761.5/120



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

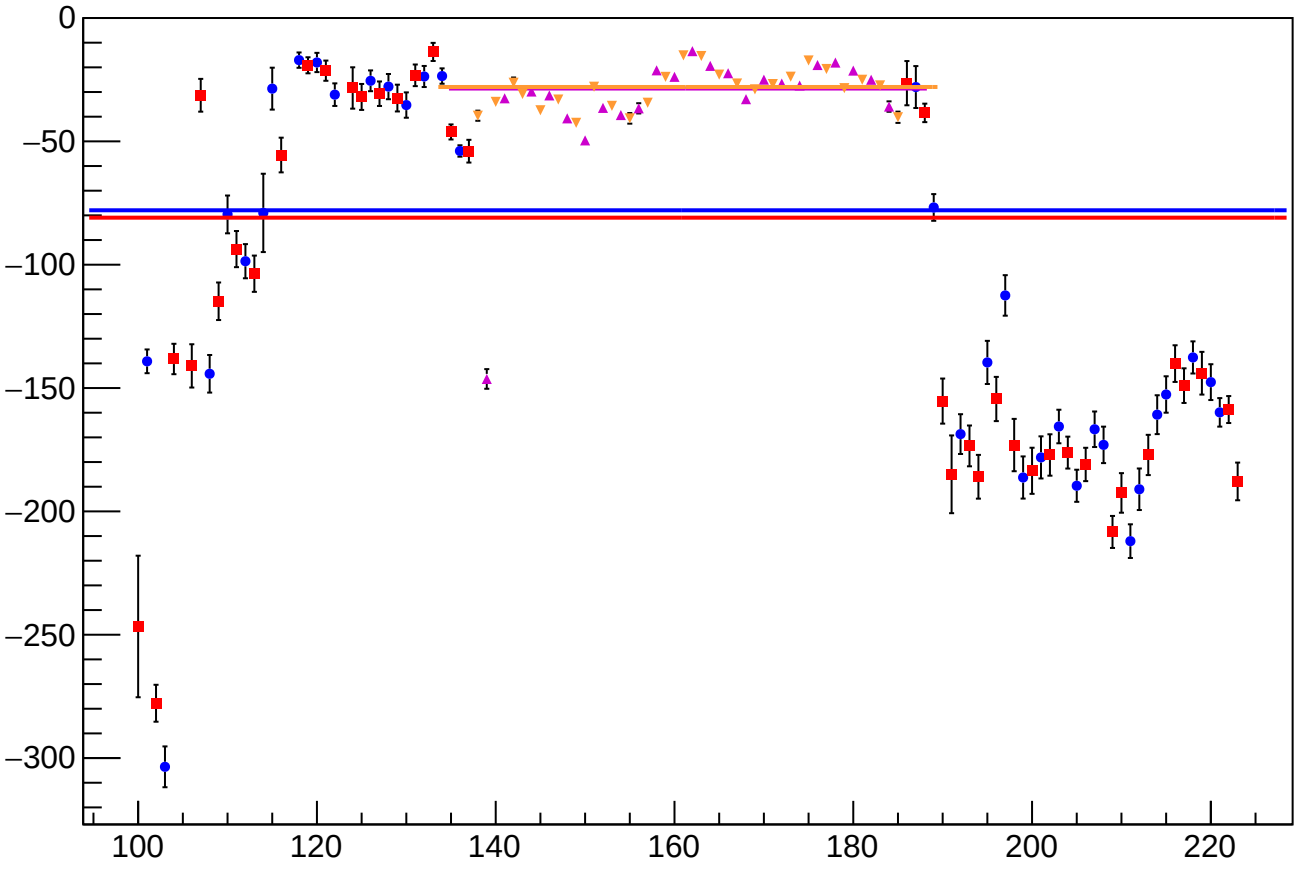
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -26.965+/-0.545 χ^2/NDF: 2021.9/72

In: -43.287+/-0.367 χ^2/NDF:1979.8/56

Out: -44.689+/-0.357 χ^2/NDF:2576.1/63

All: -44.008+/-0.256 χ^2/NDF: 4563.5/120



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

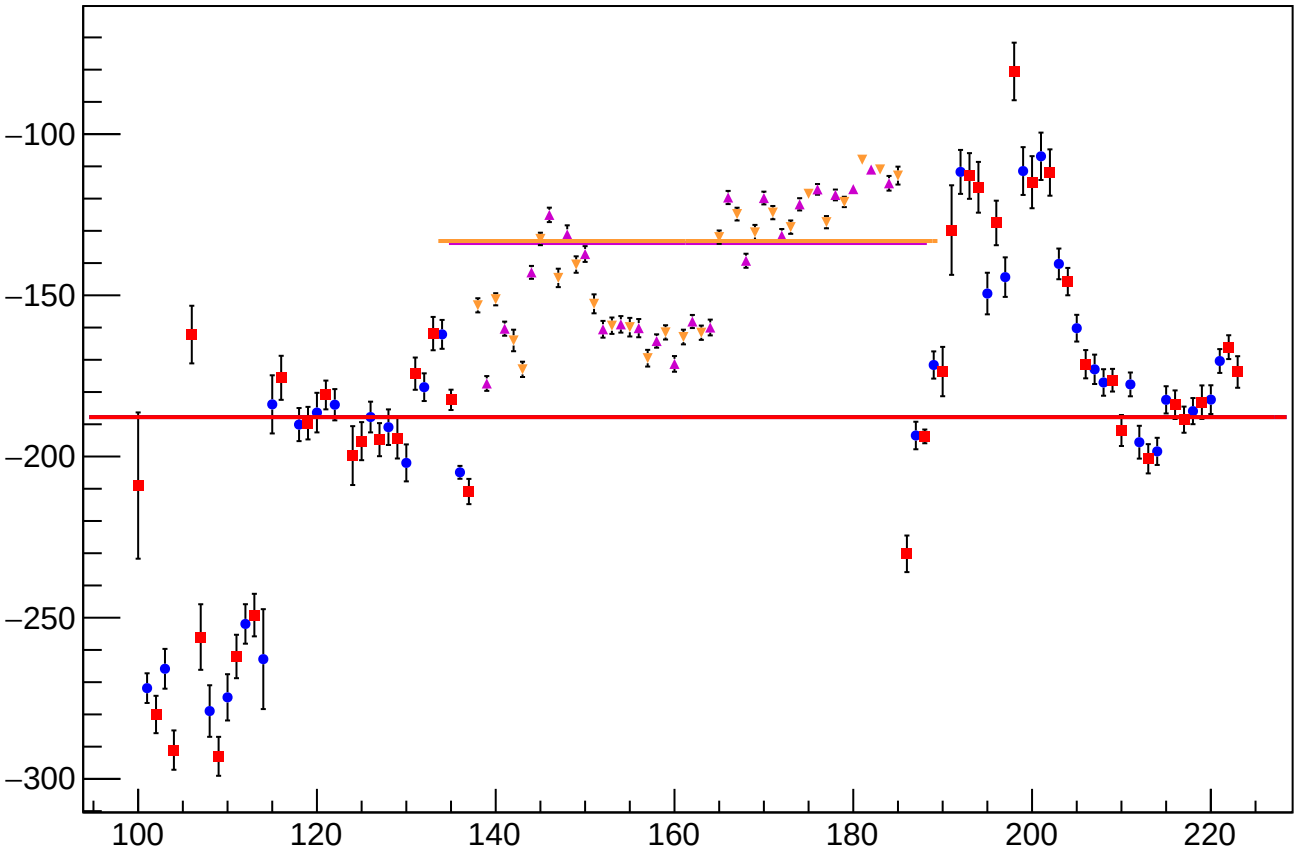
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -79.386+/-0.665 χ^2/NDF: 10317.3/72

In: -34.274+/-0.314 χ^2/NDF:9102.6/56

Out: -33.317+/-0.304 χ^2/NDF:8460.9/63

All: -33.781+/-0.219 χ^2/NDF: 17568.3/120



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

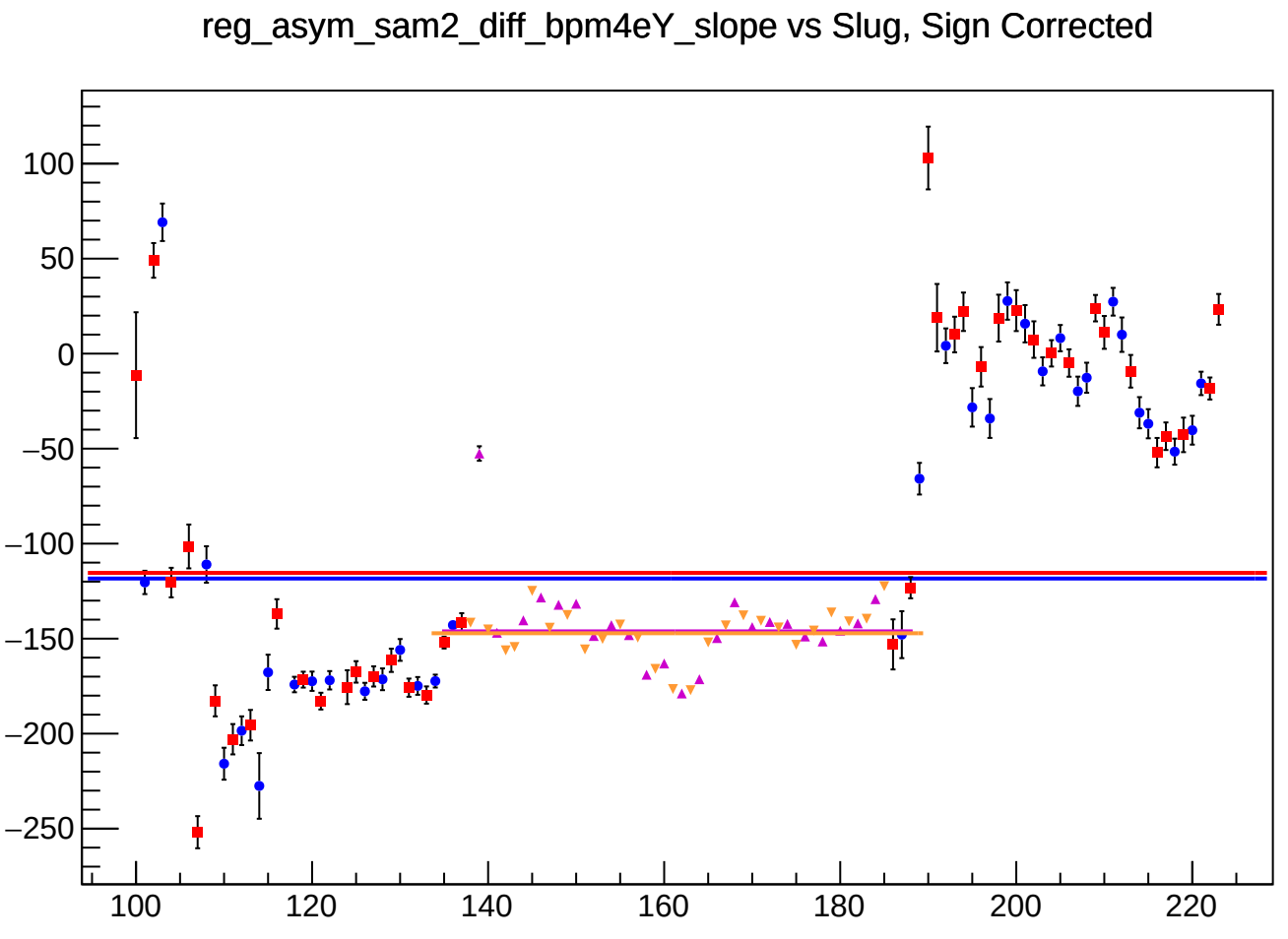
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

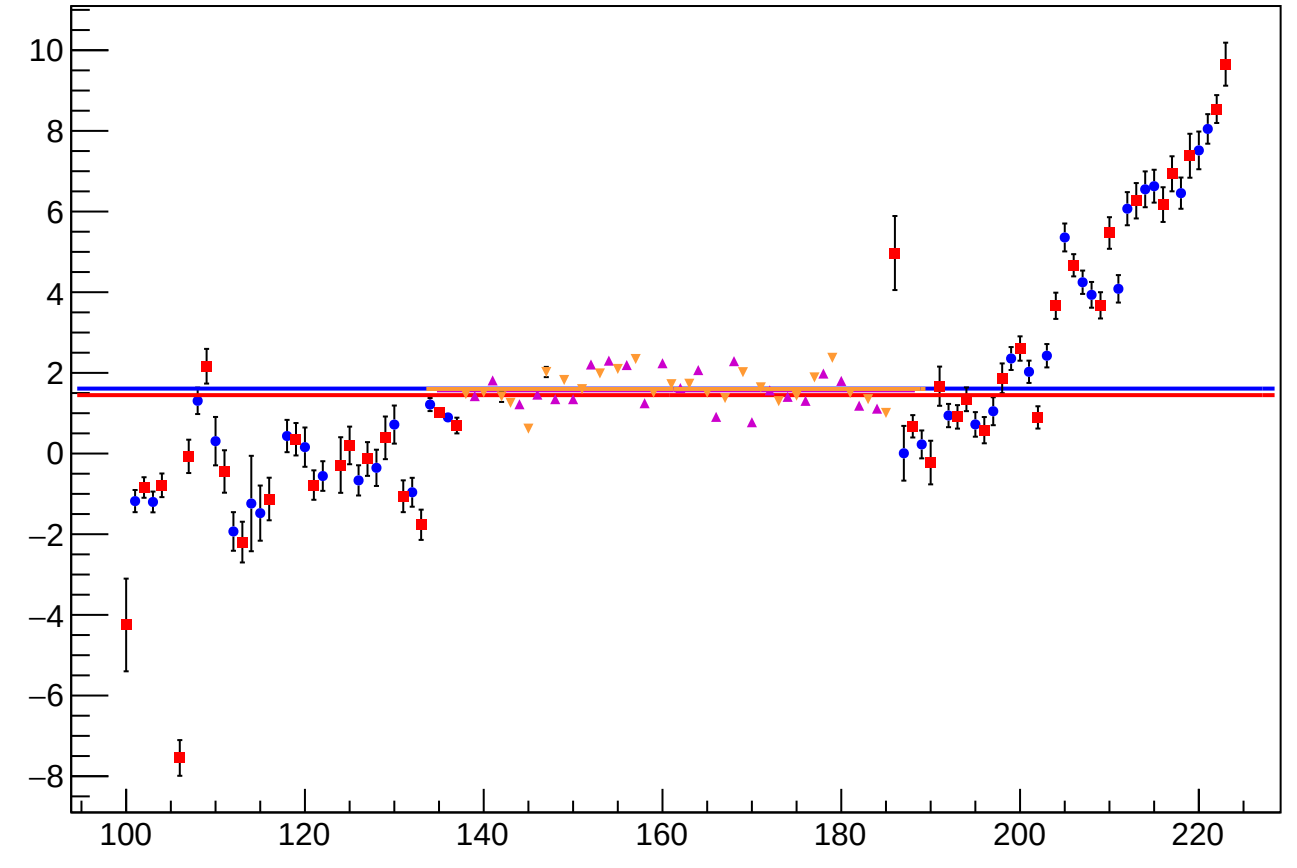
Right: -187.776+/-0.569 χ^2/NDF: 3732.7/72

In: -145.289+/-0.370 χ^2/NDF:7694.1/56

Out: -144.040+/-0.361 χ^2/NDF:8247.7/63

All: -144.649+/-0.258 χ^2/NDF: 15947.7/120


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
220
Right In: -118.371+/-1.032 χ²/NDF: 4897.1/33
Left Out: -147.167+/-0.358 χ²/NDF:1245.6/24
Right Out: -115.406+/-1.083 χ²/NDF: 5374.9/38
Left In: -146.173+/-0.371 χ²/NDF:1793.8/22
Left: -146.687+/-0.258 χ²/NDF: 3043.1/47
Right: -116.960+/-0.747 χ²/NDF: 10275.9/72
In: -142.998+/-0.349 χ²/NDF:7333.6/56
Out: -144.038+/-0.340 χ²/NDF:7395.4/63
All: -143.531+/-0.243 χ²/NDF: 14733.6/120



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

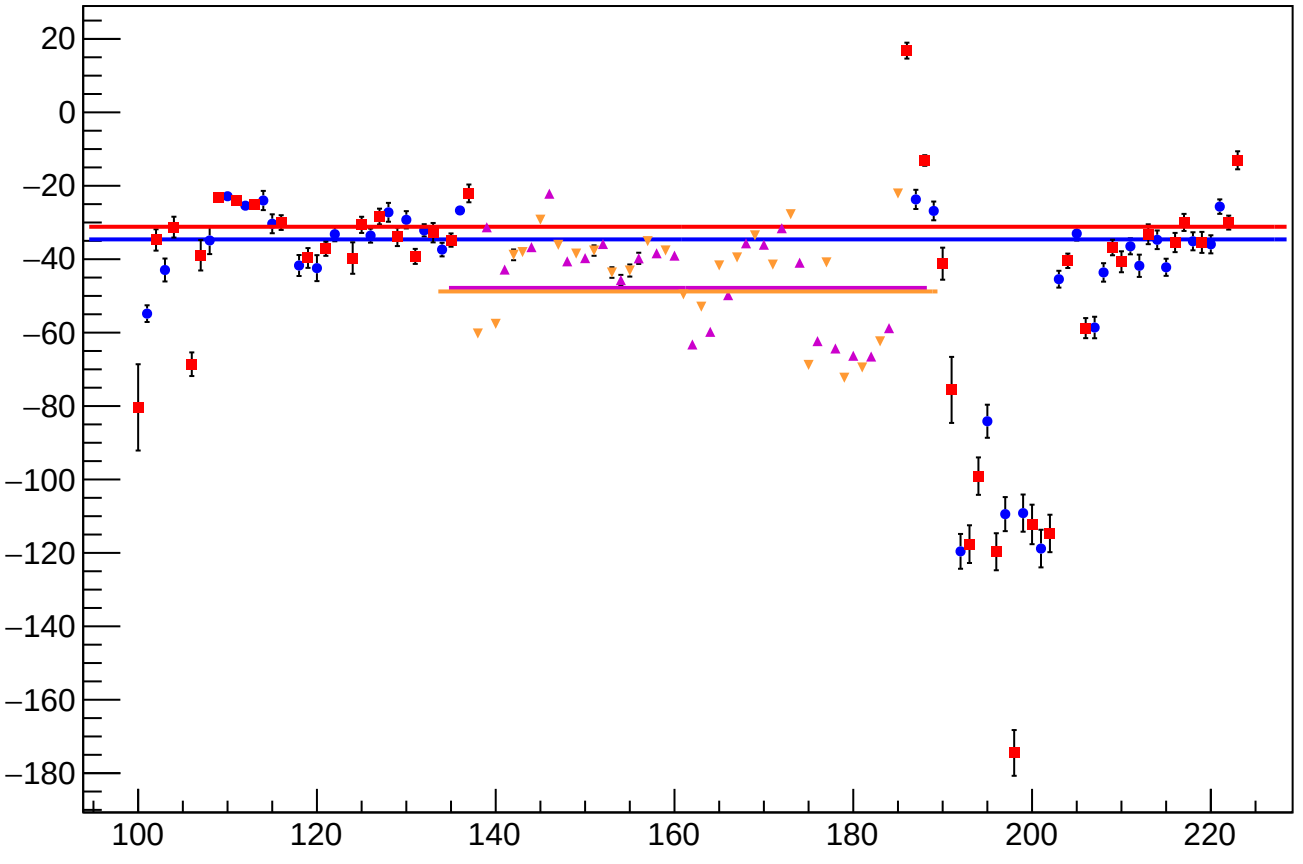
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 1.534+/-0.037 χ^2/NDF: 4393.2/72

In: 1.572+/-0.016 χ^2/NDF:2649.5/56

Out: 1.589+/-0.015 χ^2/NDF:3064.0/63

All: 1.580+/-0.011 χ^2/NDF: 5714.1/120



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

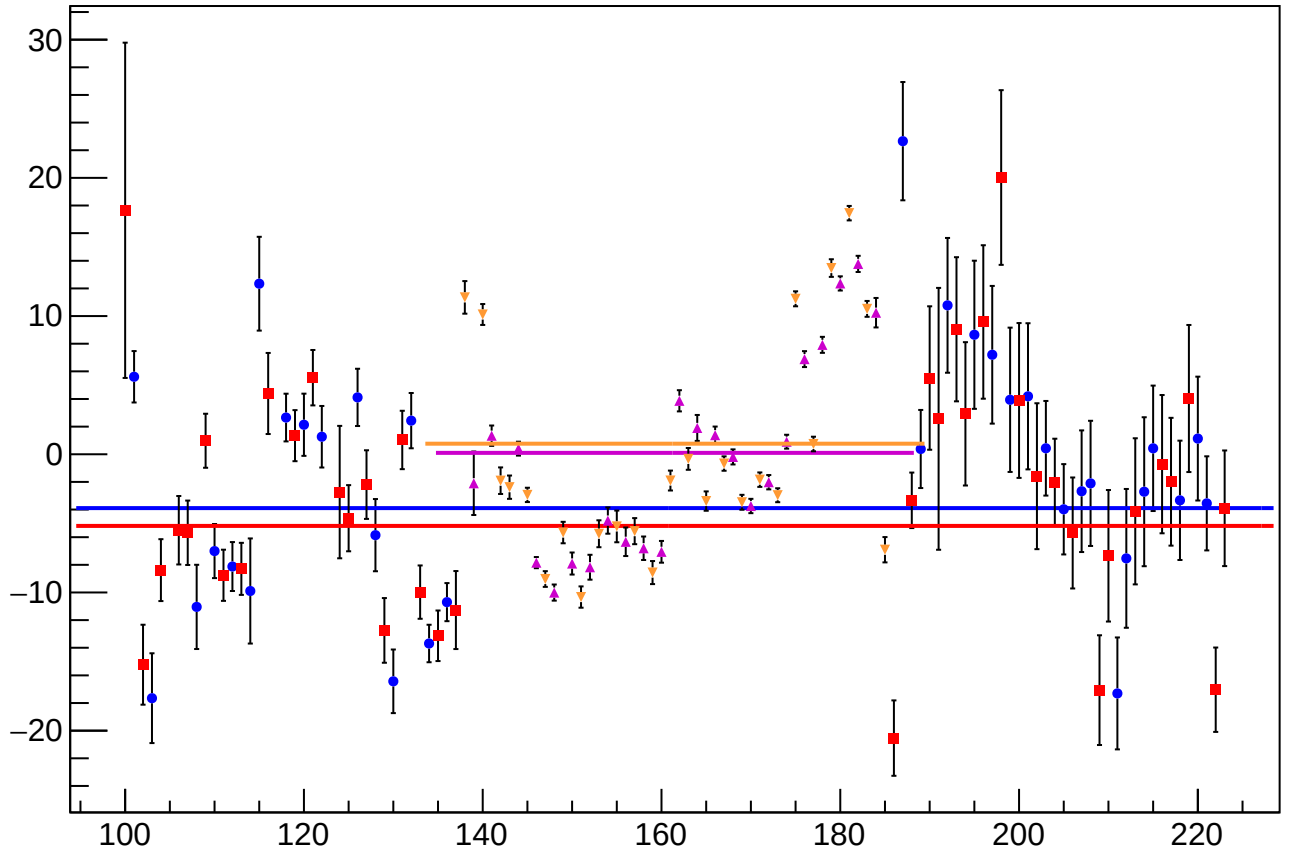
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -32.814+/-0.260 χ^2/NDF: 4750.8/72

In: -45.579+/-0.155 χ^2/NDF:9942.1/56

Out: -45.684+/-0.151 χ^2/NDF:13931.7/63

All: -45.633+/-0.108 χ^2/NDF: 23874.0/120



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

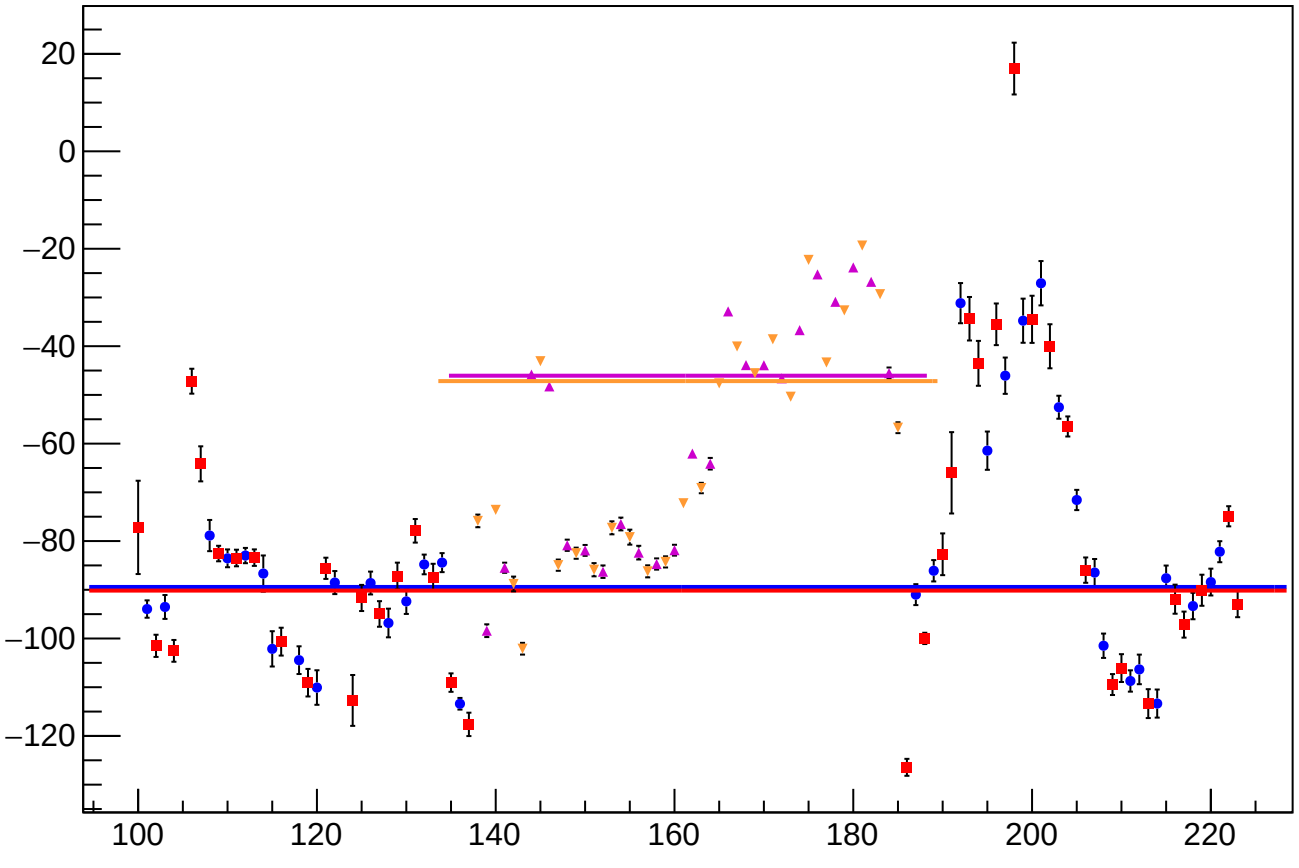
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

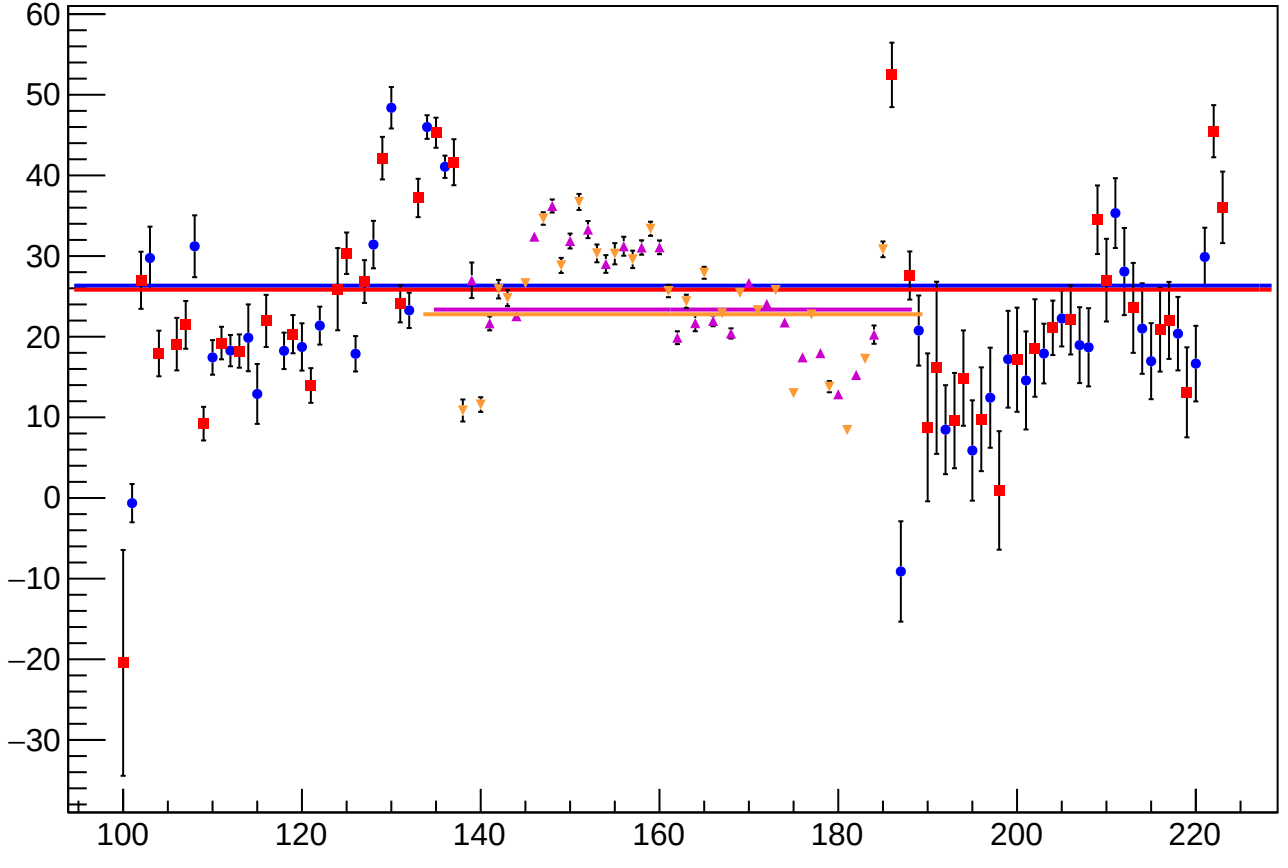
Right: -4.540+/-0.320 χ^2/NDF: 565.9/72

In: -0.215+/-0.128 χ^2/NDF:3115.8/56

Out: 0.298+/-0.127 χ^2/NDF:3865.6/63

All: 0.043+/-0.090 χ^2/NDF: 6989.5/120


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
220
Right In: -89.421+/-0.410 χ²/NDF: 1799.6/33
Left Out: -47.167+/-0.168 χ²/NDF:17658.5/24
Right Out: -90.166+/-0.396 χ²/NDF: 2896.6/38
Left In: -46.058+/-0.170 χ²/NDF:14769.8/22
Left: -46.621+/-0.119 χ²/NDF: 32449.9/47
Right: -89.806+/-0.285 χ²/NDF: 4697.9/72
In: -52.434+/-0.157 χ²/NDF:26118.5/56
Out: -53.694+/-0.154 χ²/NDF:30553.7/63
All: -53.076+/-0.110 χ²/NDF: 56704.9/120



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

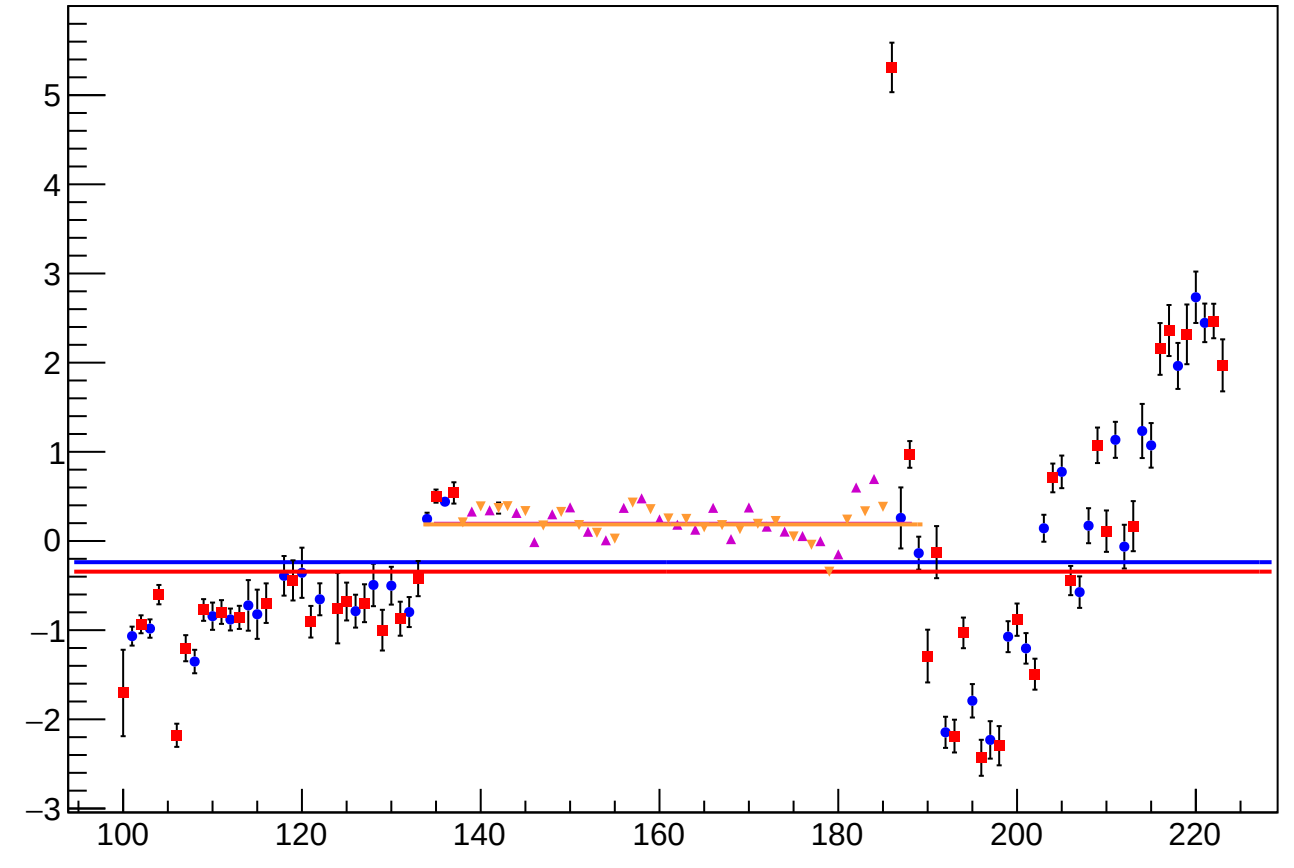
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.085+/-0.362 χ^2/NDF: 1179.1/72

In: 23.600+/-0.143 χ^2/NDF:2503.3/56

Out: 23.011+/-0.142 χ^2/NDF:2937.2/63

All: 23.303+/-0.101 χ^2/NDF: 5449.1/120



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

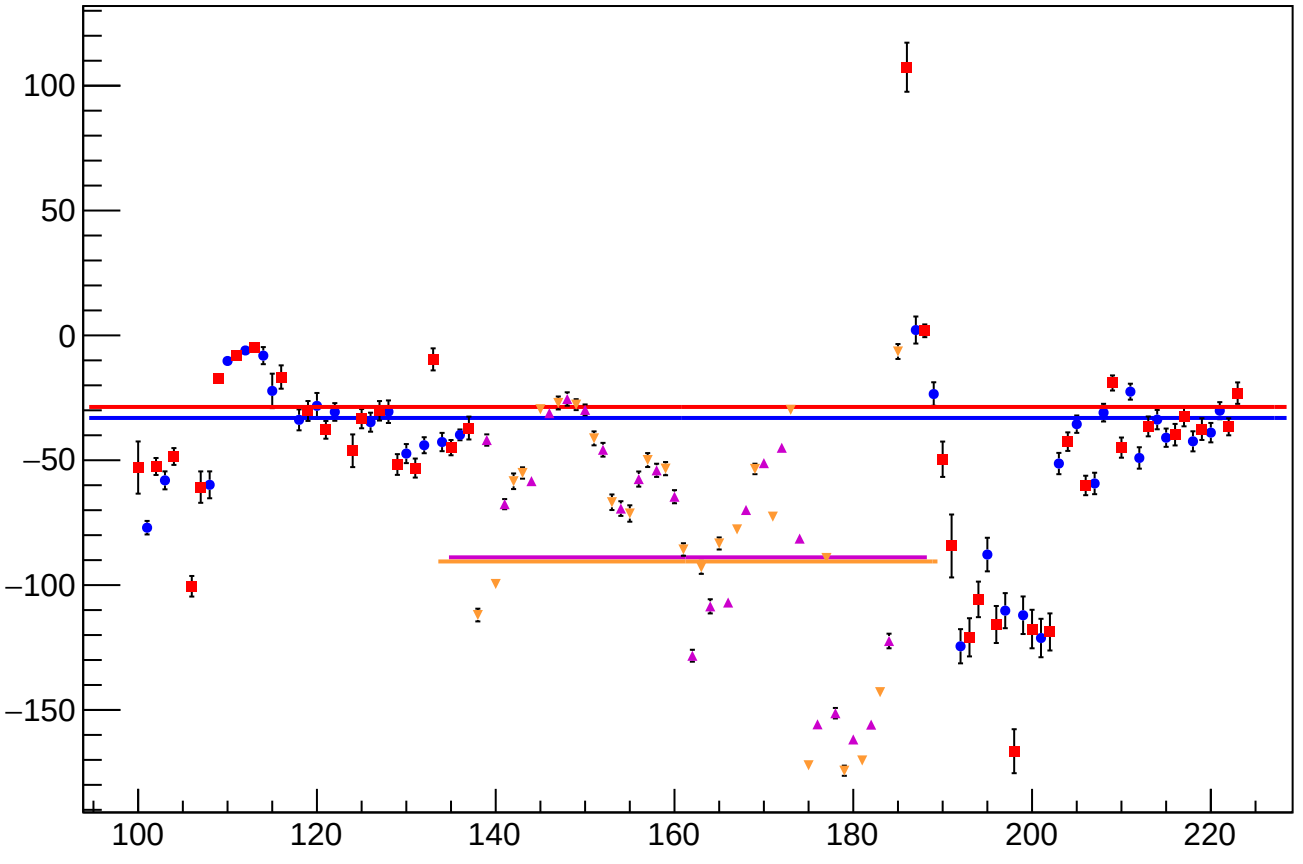
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.288+/-0.019 χ^2/NDF: 3279.4/72

In: 0.166+/-0.006 χ^2/NDF:2468.0/56

Out: 0.156+/-0.006 χ^2/NDF:3015.2/63

All: 0.161+/-0.005 χ^2/NDF: 5484.4/120



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

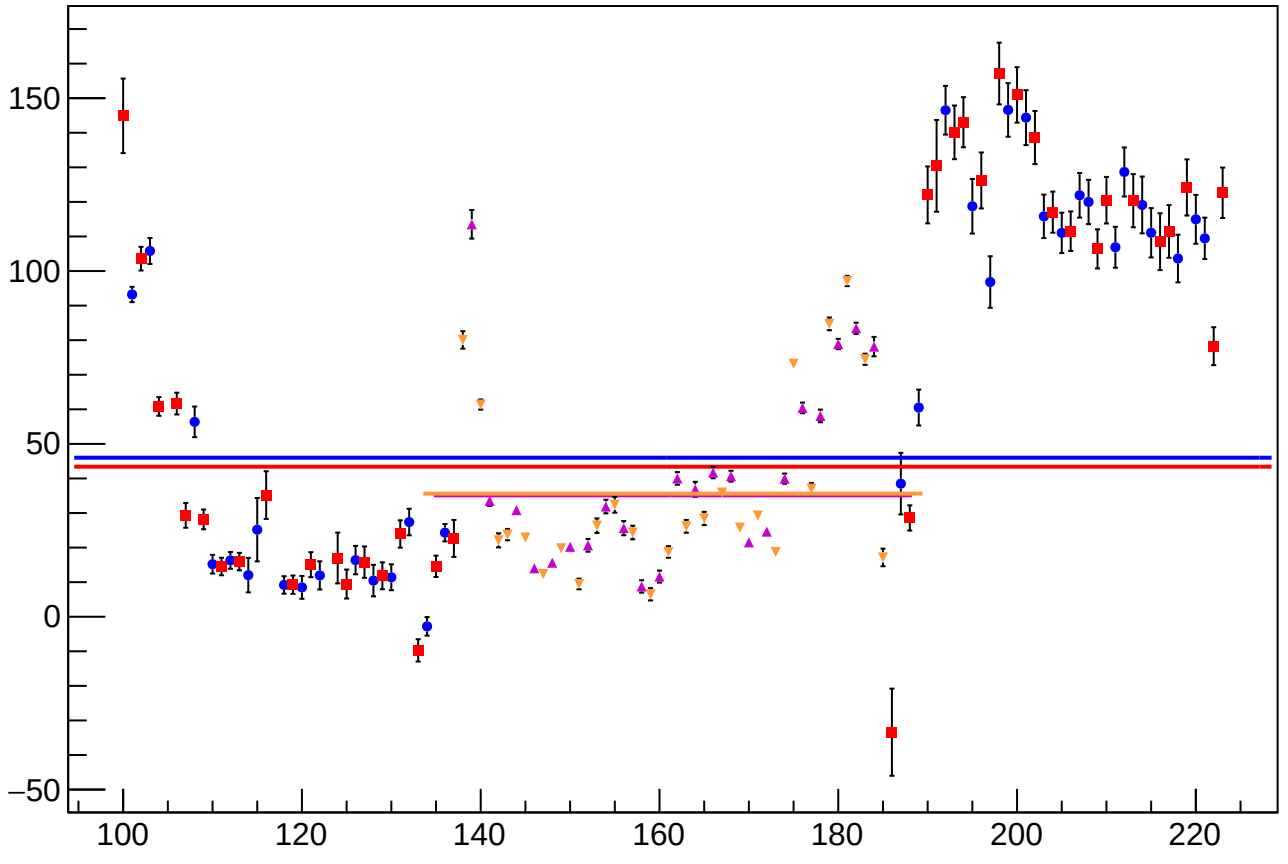
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.714+/-0.405 χ^2/NDF: 4167.0/72

In: -69.381+/-0.350 χ^2/NDF:19274.7/56

Out: -67.873+/-0.335 χ^2/NDF:25705.4/63

All: -68.594+/-0.242 χ^2/NDF: 44989.8/120



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

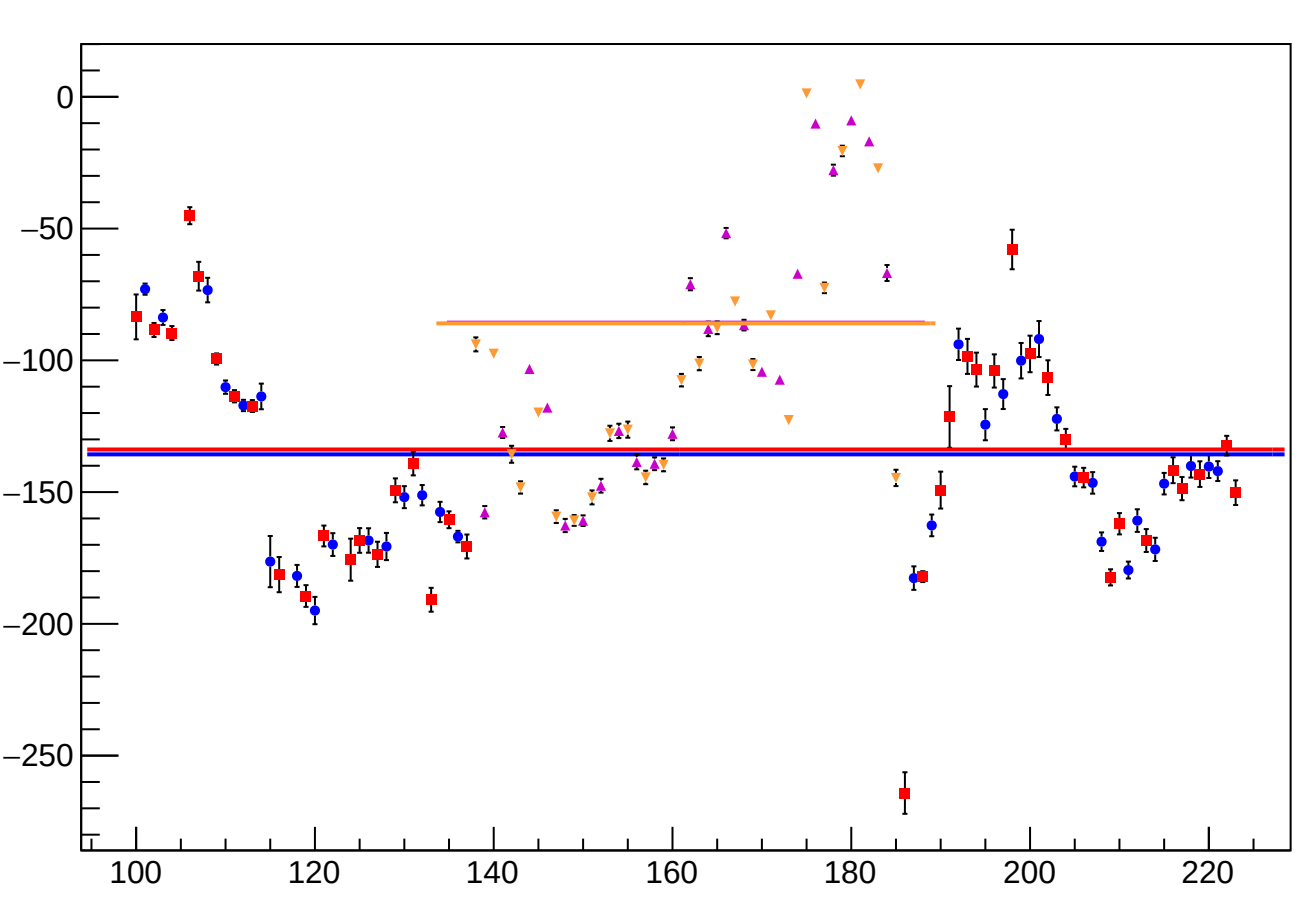
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 44.677+/-0.505 χ^2/NDF: 7704.1/72

In: 37.060+/-0.305 χ^2/NDF:8276.1/56

Out: 36.976+/-0.296 χ^2/NDF:9826.4/63

All: 37.017+/-0.212 χ^2/NDF: 18102.6/120



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

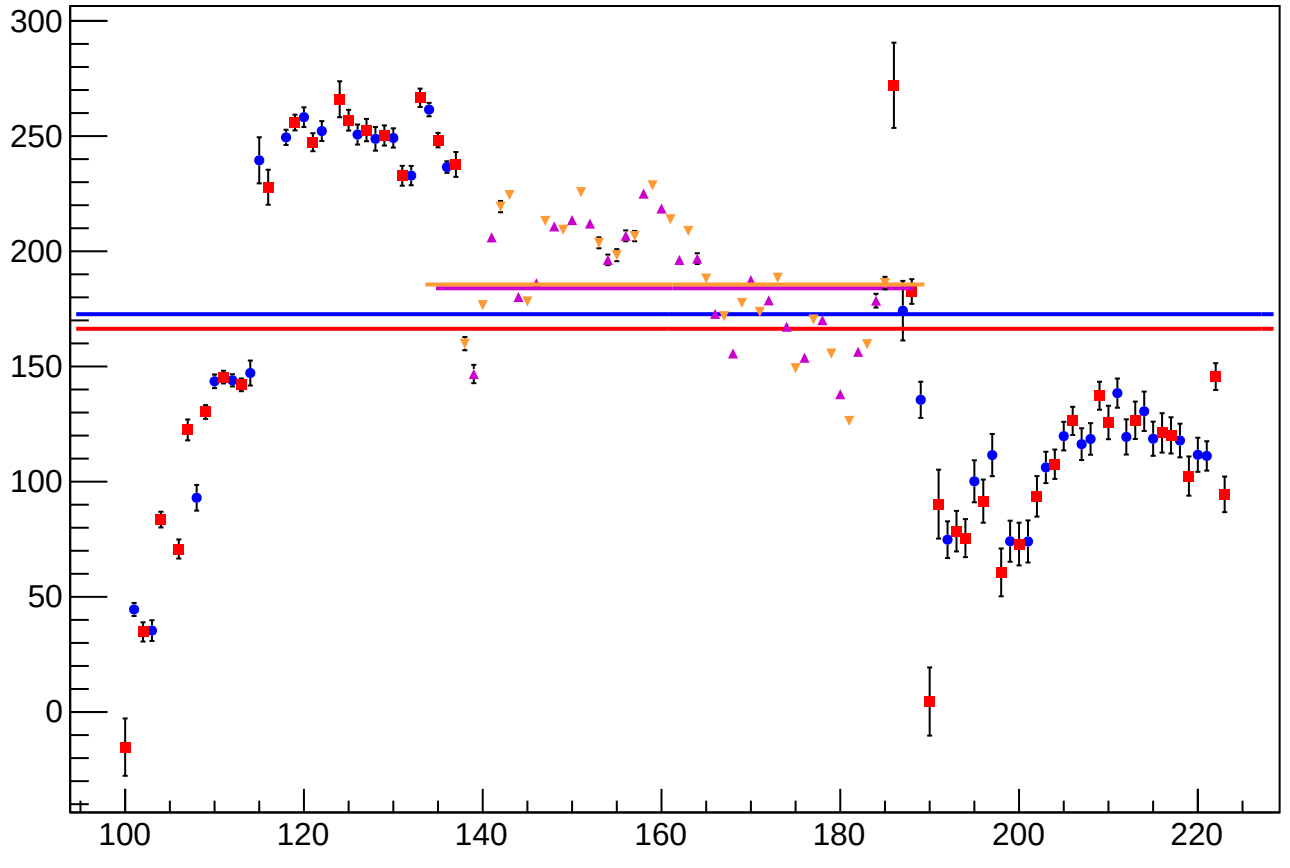
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -134.719+/-0.447 χ^2/NDF: 7091.9/72

In: -101.183+/-0.359 χ^2/NDF:20881.4/56

Out: -101.046+/-0.348 χ^2/NDF:24407.8/63

All: -101.112+/-0.250 χ^2/NDF: 45289.3/120



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

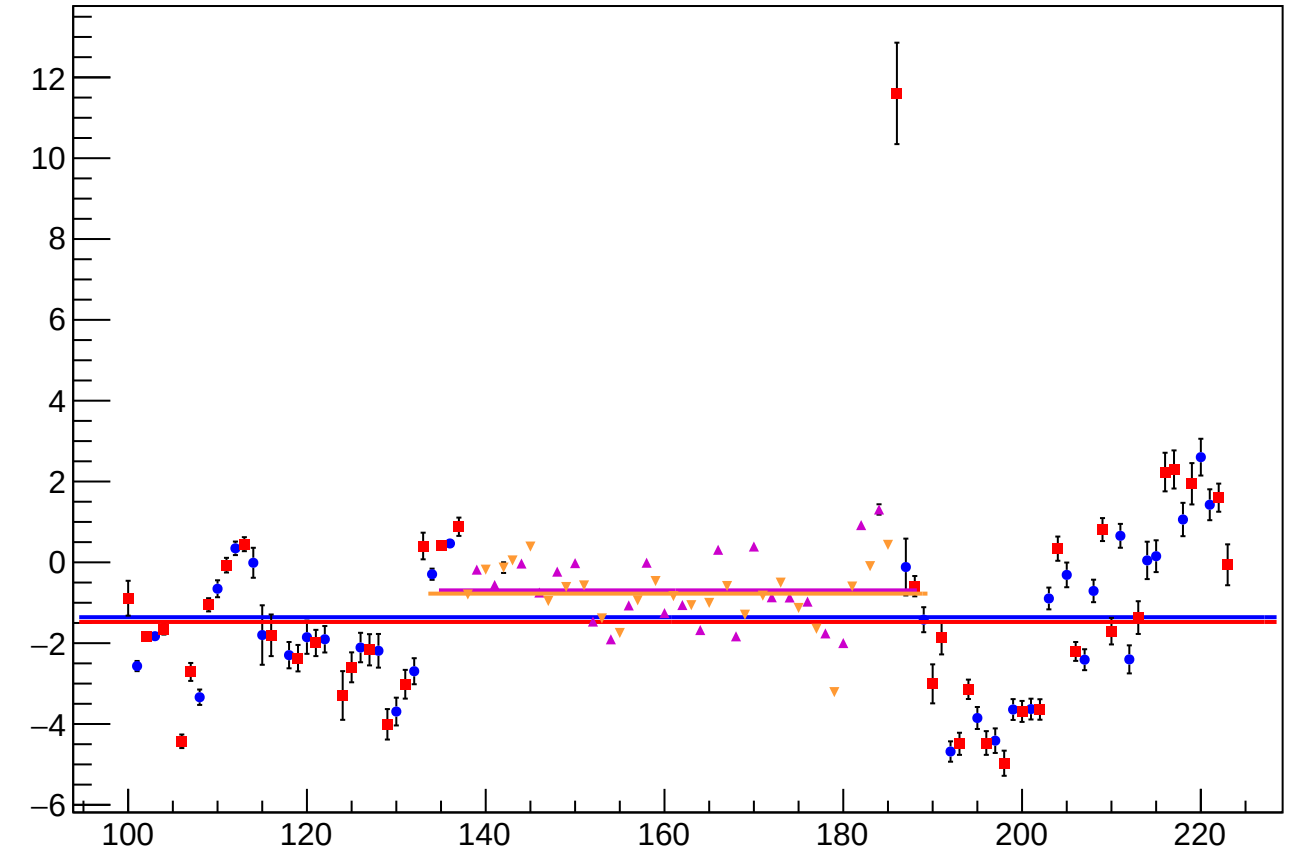
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

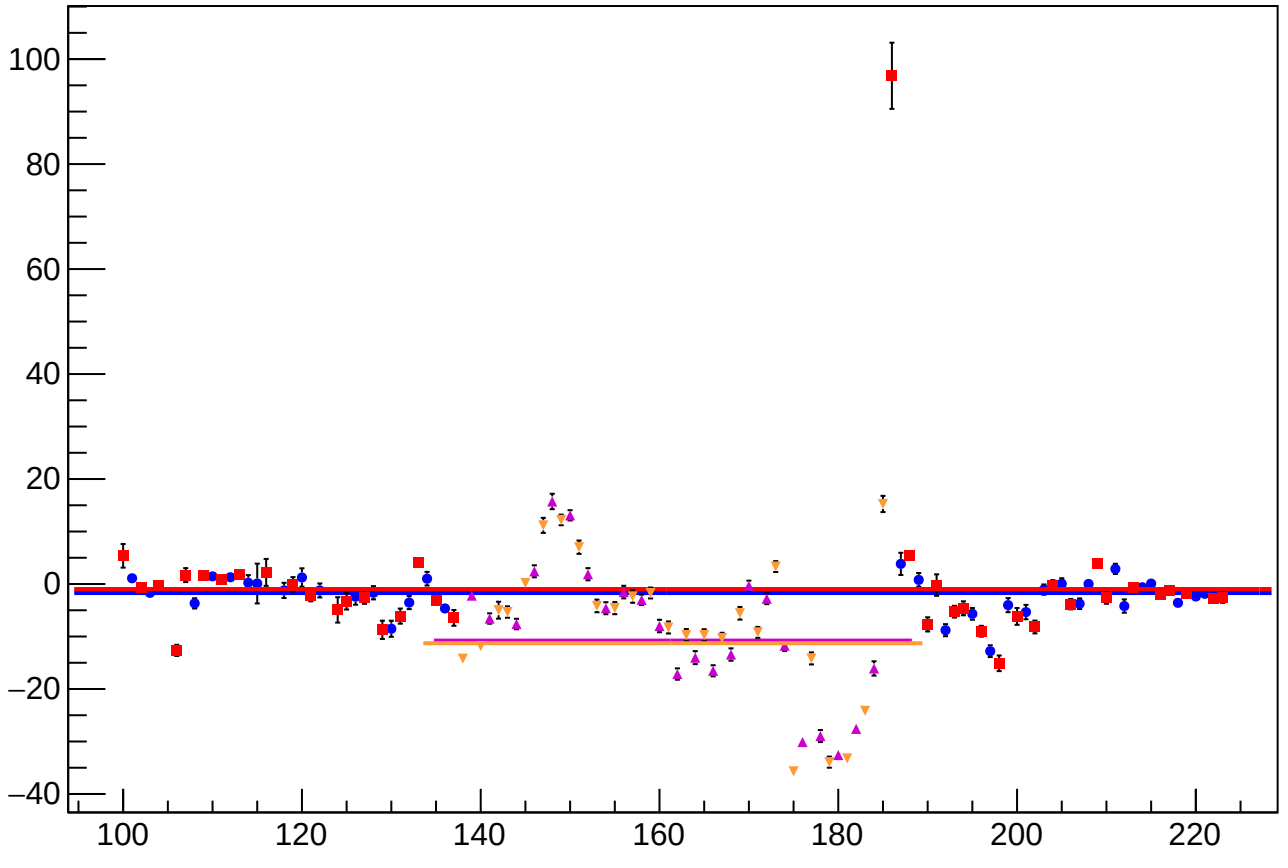
Right: 169.491+/-0.574 χ^2/NDF: 16653.1/72

In: 181.959+/-0.343 χ^2/NDF:12620.9/56

Out: 182.295+/-0.334 χ^2/NDF:13856.1/63

All: 182.131+/-0.239 χ^2/NDF: 26477.5/120


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: -1.357+/-0.040 χ²/NDF: 1604.9/33
Left Out: -0.774+/-0.016 χ²/NDF:1822.9/24
Right Out: -1.475+/-0.040 χ²/NDF: 2058.0/38
Left In: -0.694+/-0.017 χ²/NDF:2565.3/22
Left: -0.735+/-0.012 χ²/NDF: 4399.9/47
Right: -1.417+/-0.028 χ²/NDF: 3667.3/72
In: -0.792+/-0.015 χ²/NDF:4401.8/56
Out: -0.877+/-0.015 χ²/NDF:4148.0/63
All: -0.835+/-0.011 χ²/NDF: 8565.1/120



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

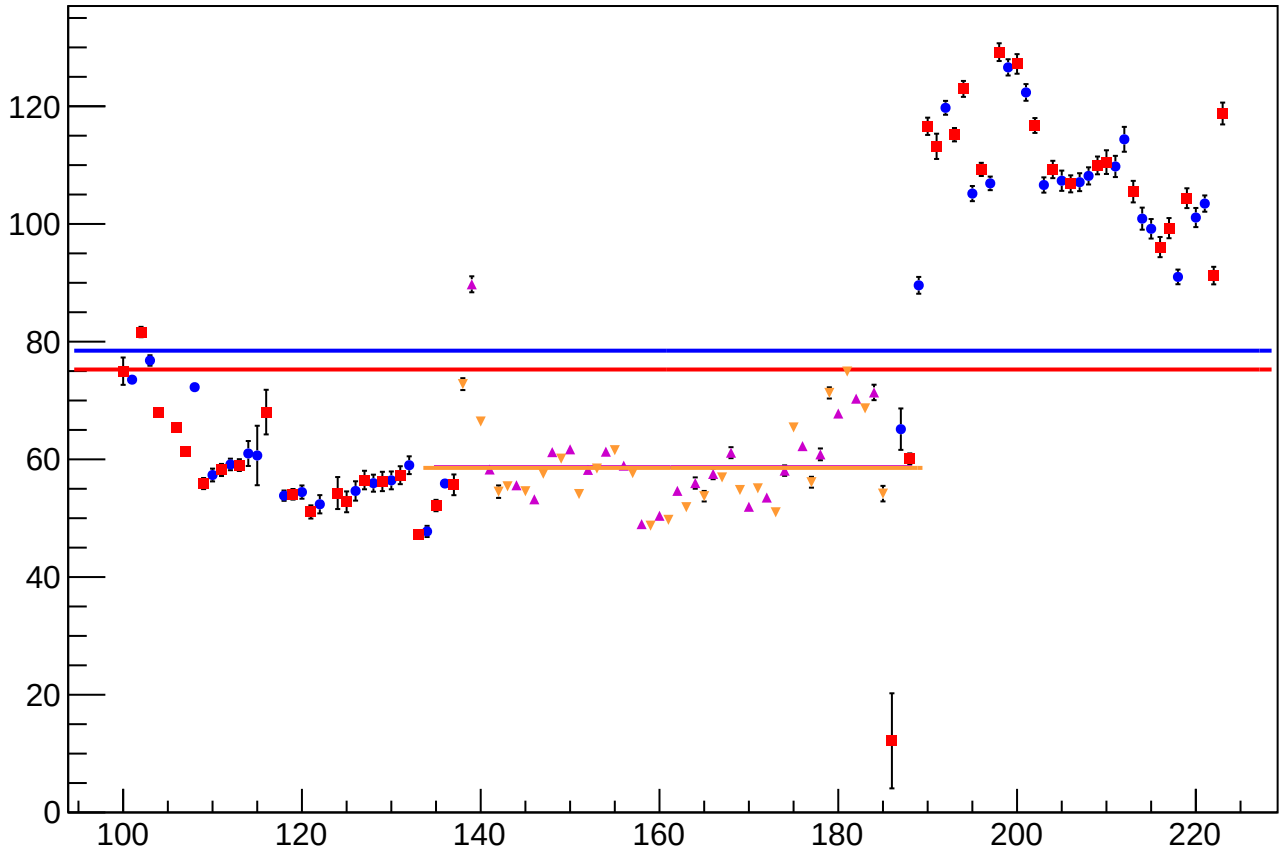
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.308+/-0.118 χ^2/NDF: 1278.7/72

In: -5.342+/-0.135 χ^2/NDF:5110.1/56

Out: -4.825+/-0.127 χ^2/NDF:6980.6/63

All: -5.068+/-0.093 χ^2/NDF: 12098.5/120



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

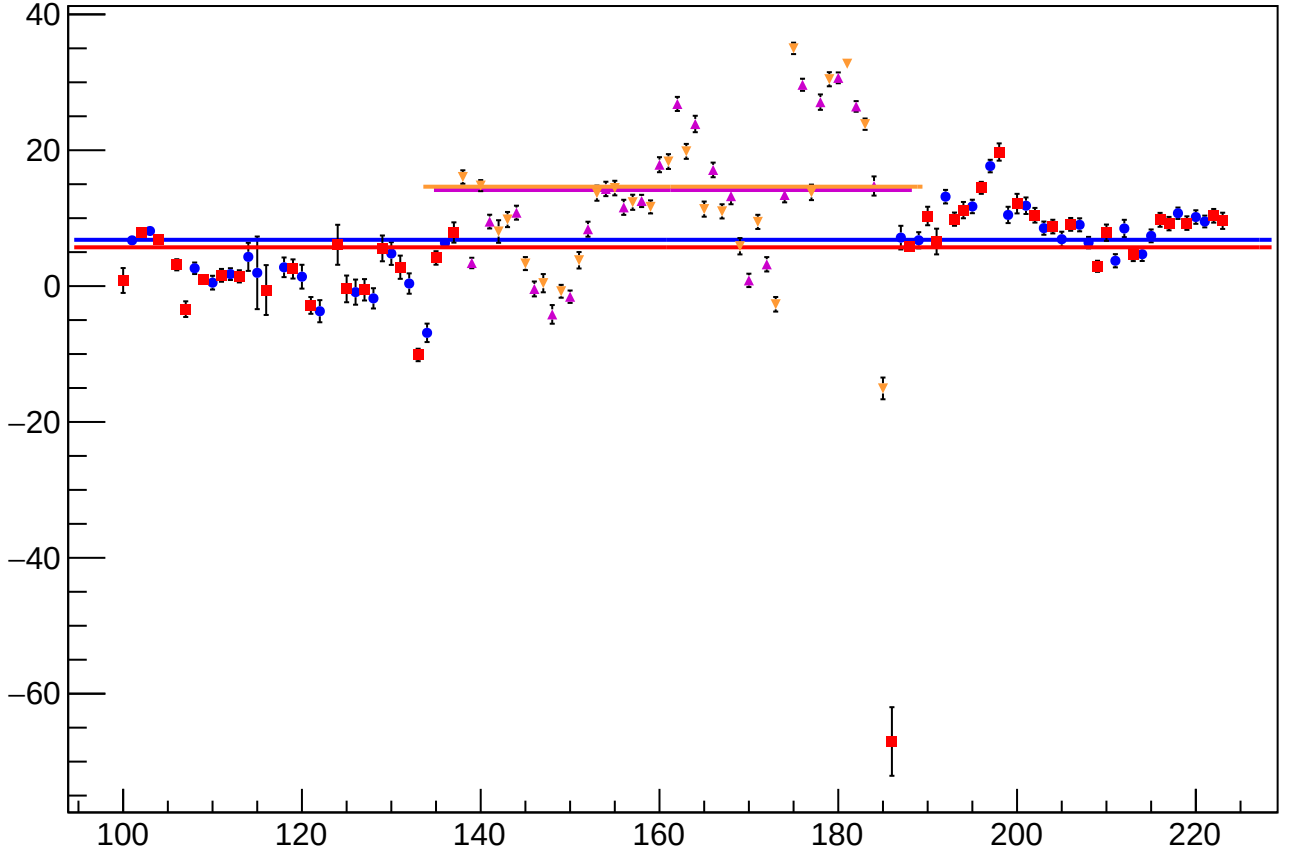
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 76.752+/-0.144 χ^2/NDF: 30097.5/72

In: 66.368+/-0.132 χ^2/NDF:19626.3/56

Out: 65.275+/-0.125 χ^2/NDF:23560.3/63

All: 65.792+/-0.090 χ^2/NDF: 43222.9/120



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

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

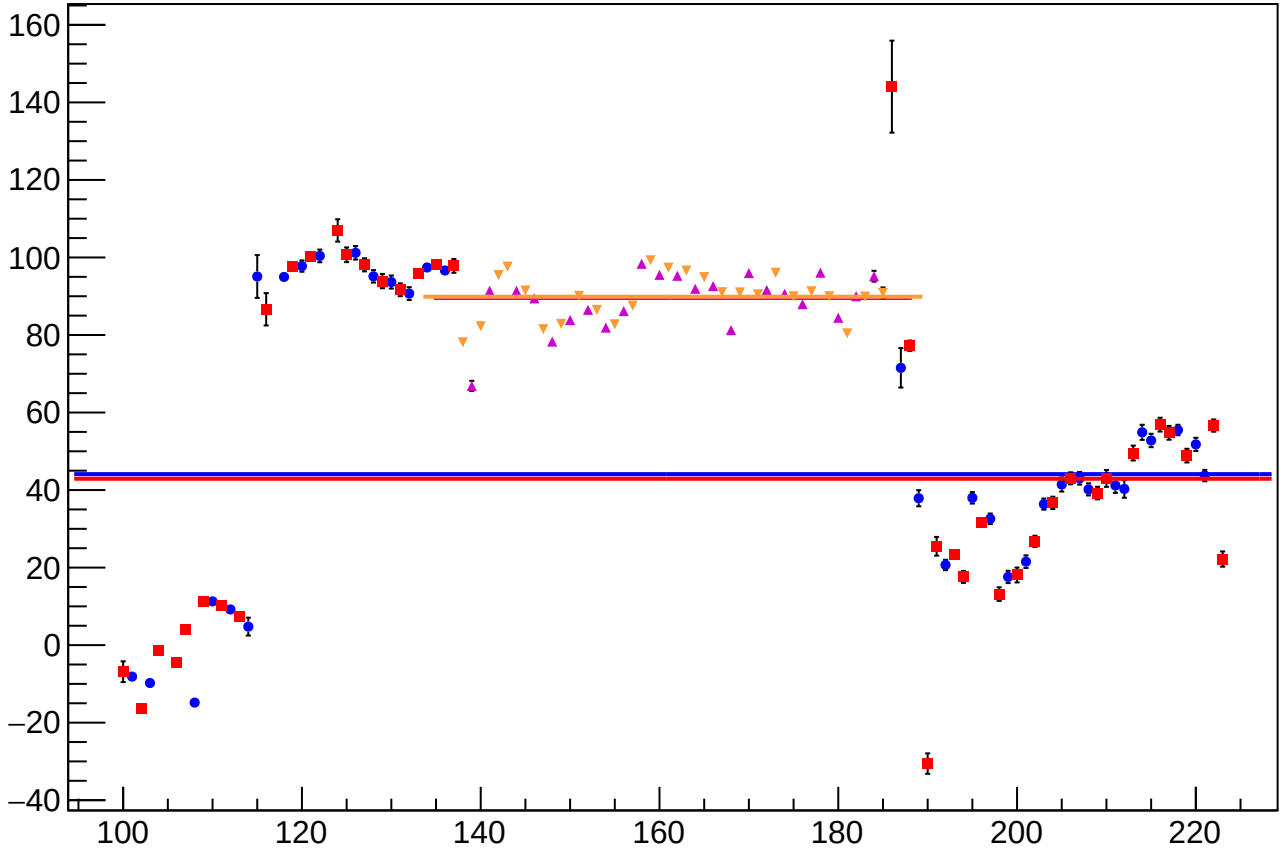
Right: 6.226+/-0.121 χ^2/NDF: 1848.6/72

In: 9.851+/-0.136 χ^2/NDF:3878.2/56

Out: 9.213+/-0.129 χ^2/NDF:5290.6/63

All: 9.517+/-0.094 χ^2/NDF: 9180.4/120

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



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

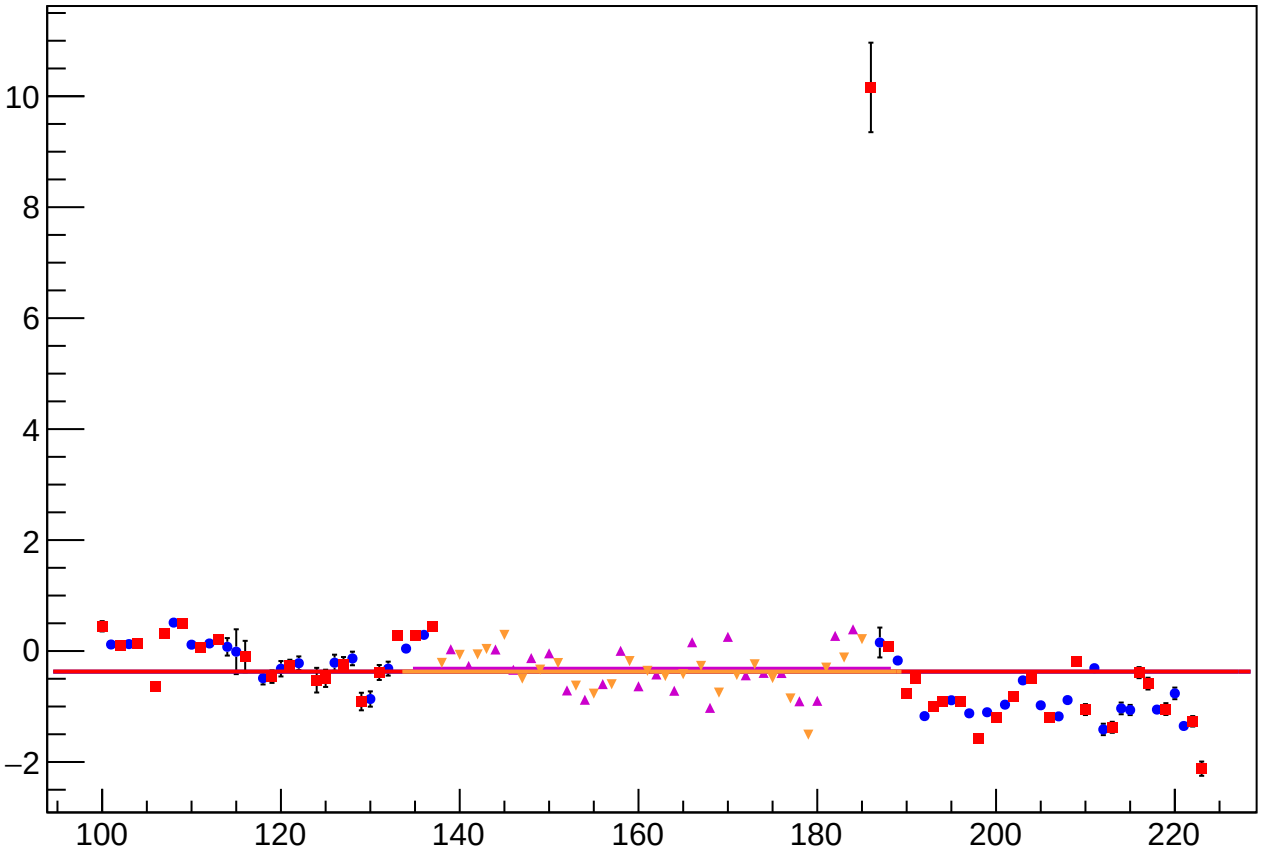
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 43.480+/-0.166 χ^2/NDF: 60177.4/72

In: 72.461+/-0.148 χ^2/NDF:51260.8/56

Out: 71.726+/-0.142 χ^2/NDF:59135.6/63

All: 72.077+/-0.102 χ^2/NDF: 110409.2/120



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

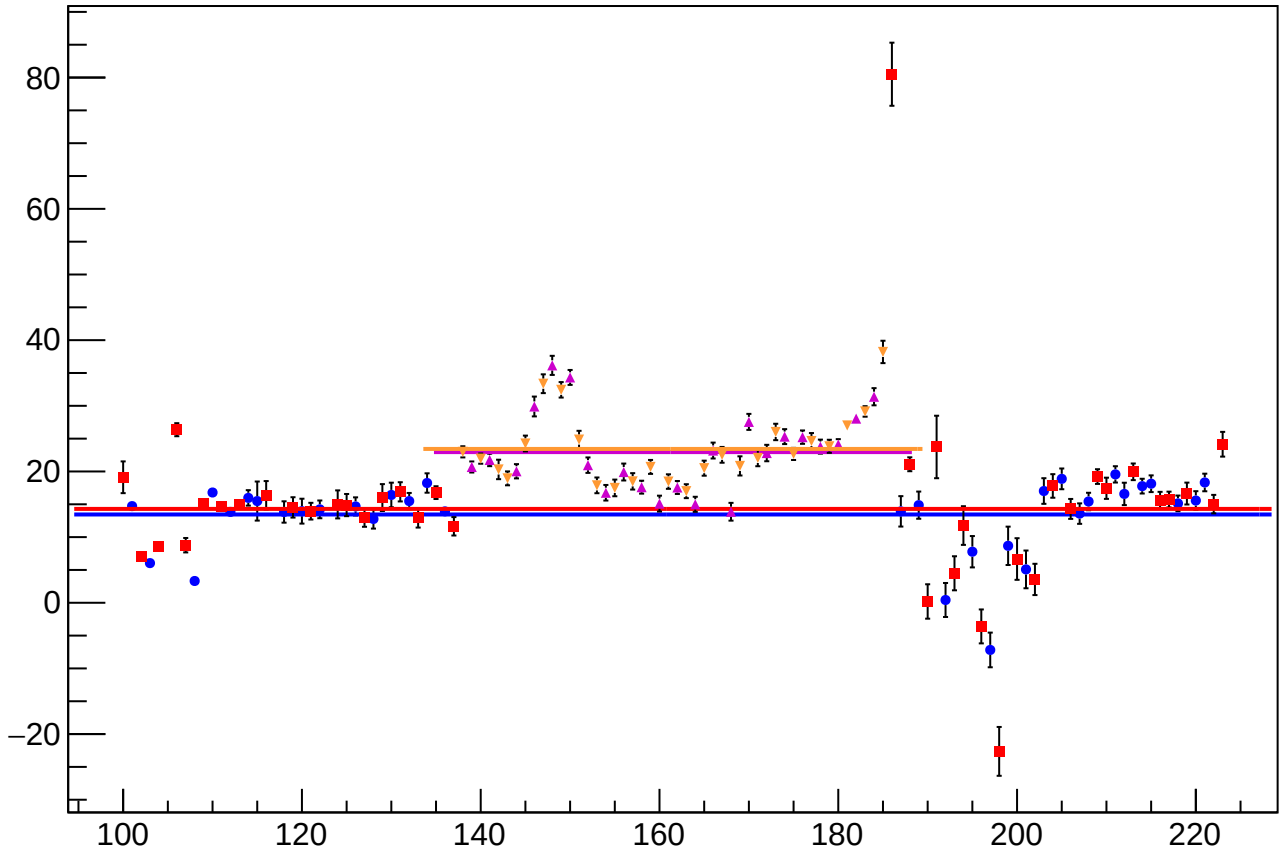
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.371+/-0.007 χ^2/NDF: 7885.9/72

In: -0.340+/-0.006 χ^2/NDF:6161.7/56

Out: -0.370+/-0.006 χ^2/NDF:5951.3/63

All: -0.355+/-0.004 χ^2/NDF: 12124.7/120



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

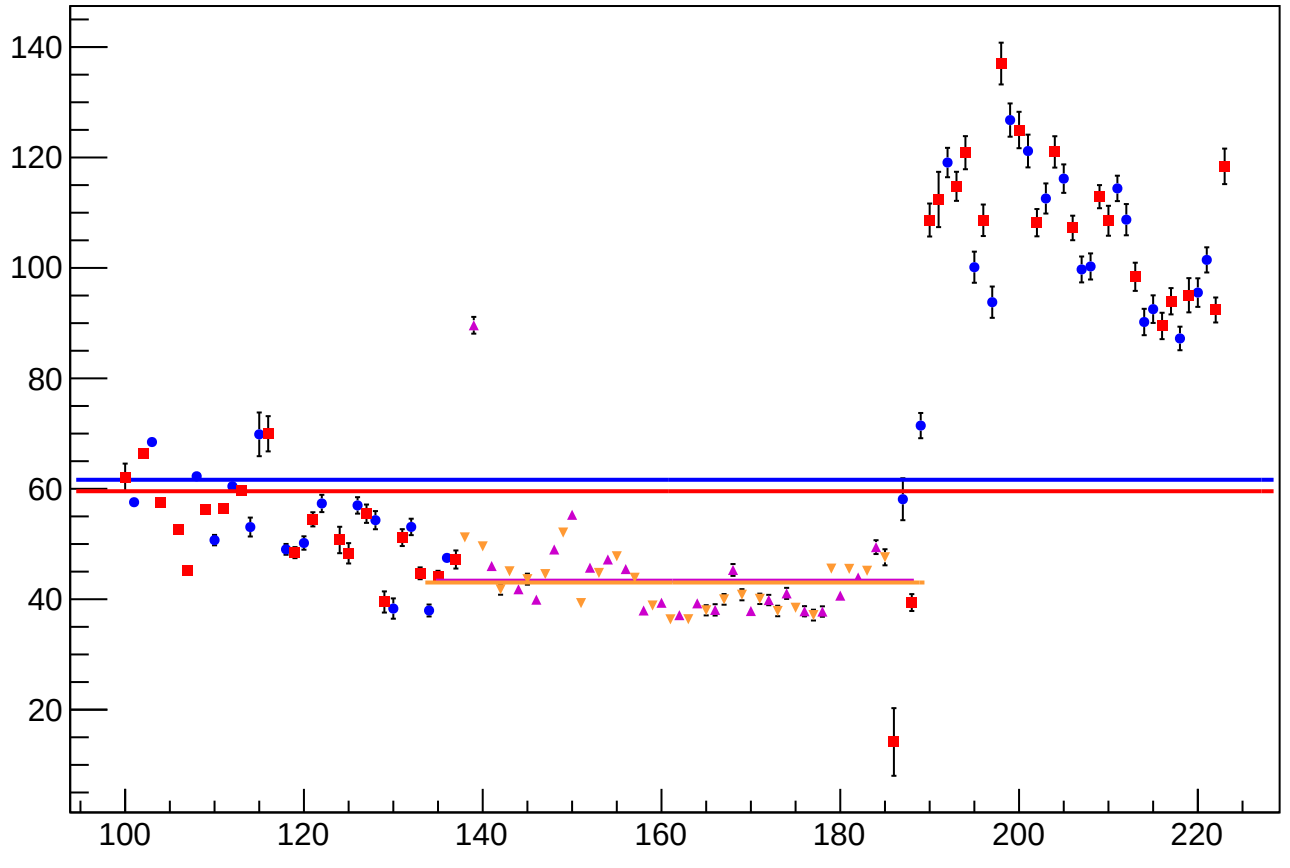
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.888+/-0.129 χ^2/NDF: 1543.3/72

In: 17.310+/-0.144 χ^2/NDF:2210.9/56

Out: 18.039+/-0.138 χ^2/NDF:2426.6/63

All: 17.689+/-0.100 χ^2/NDF: 4650.9/120



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

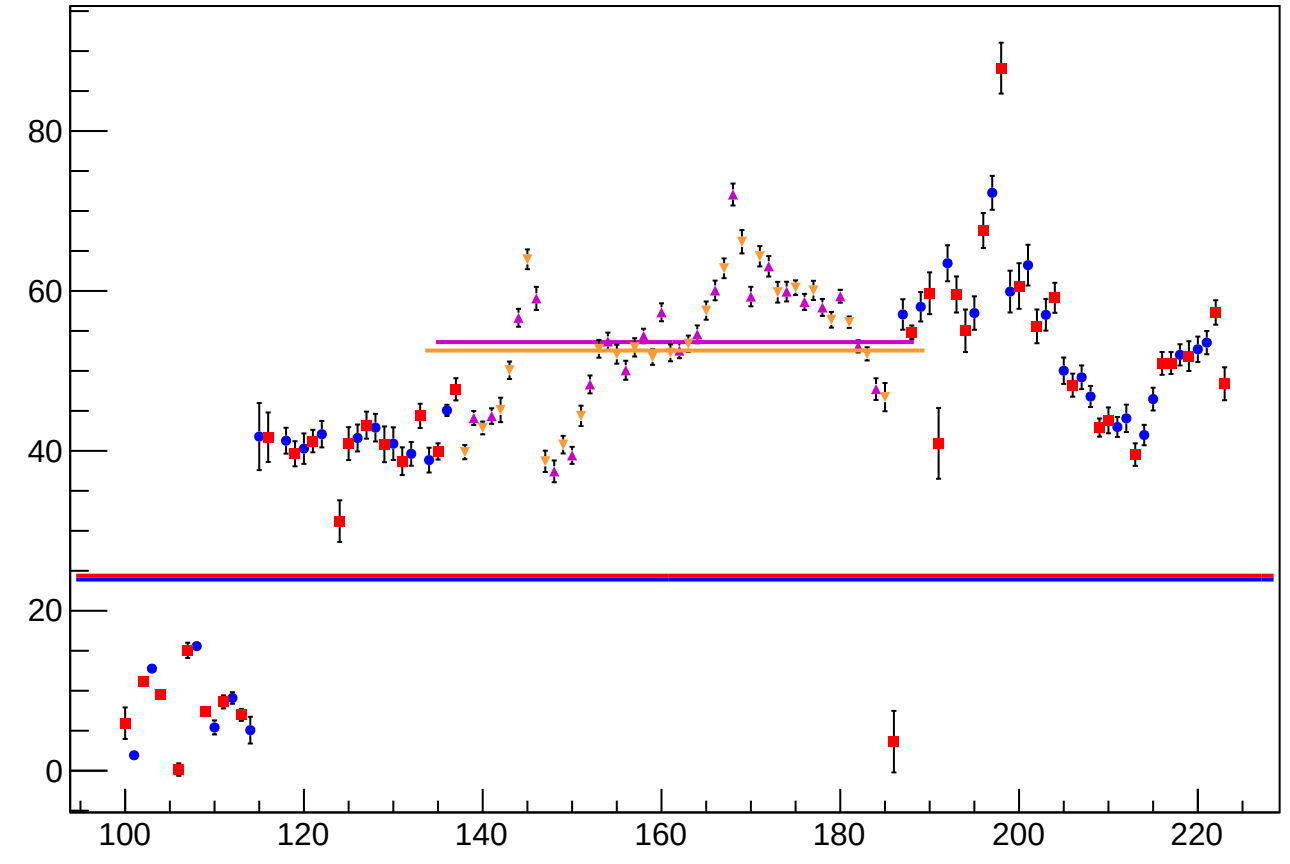
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 60.605+/-0.148 χ^2/NDF: 14133.1/72

In: 51.027+/-0.135 χ^2/NDF:12508.0/56

Out: 49.458+/-0.131 χ^2/NDF:12306.0/63

All: 50.218+/-0.094 χ^2/NDF: 24883.8/120



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

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

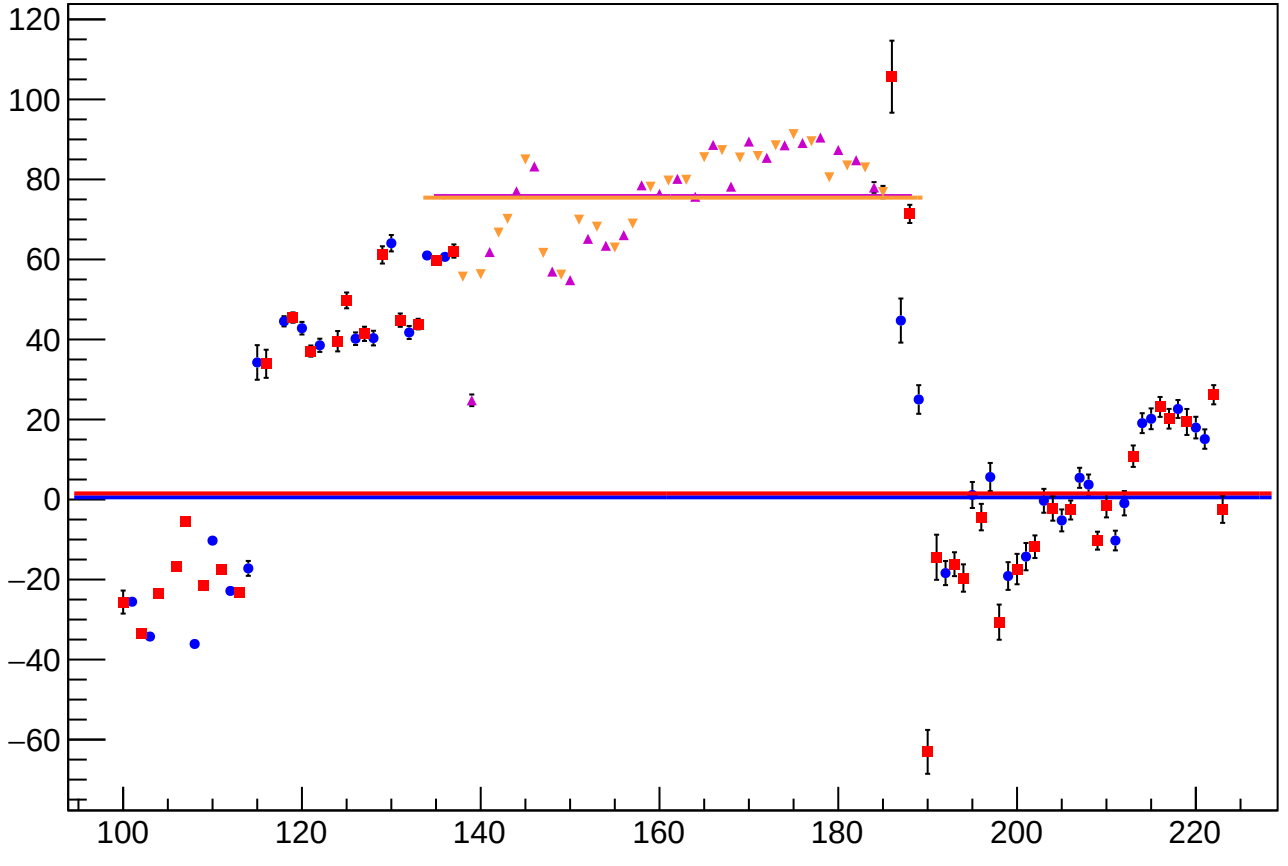
Right: 24.146+/-0.133 χ^2/NDF: 23320.6/72

In: 36.189+/-0.143 χ^2/NDF:23422.0/56

Out: 36.726+/-0.142 χ^2/NDF:22184.7/63

All: 36.460+/-0.101 χ^2/NDF: 45613.8/120

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



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

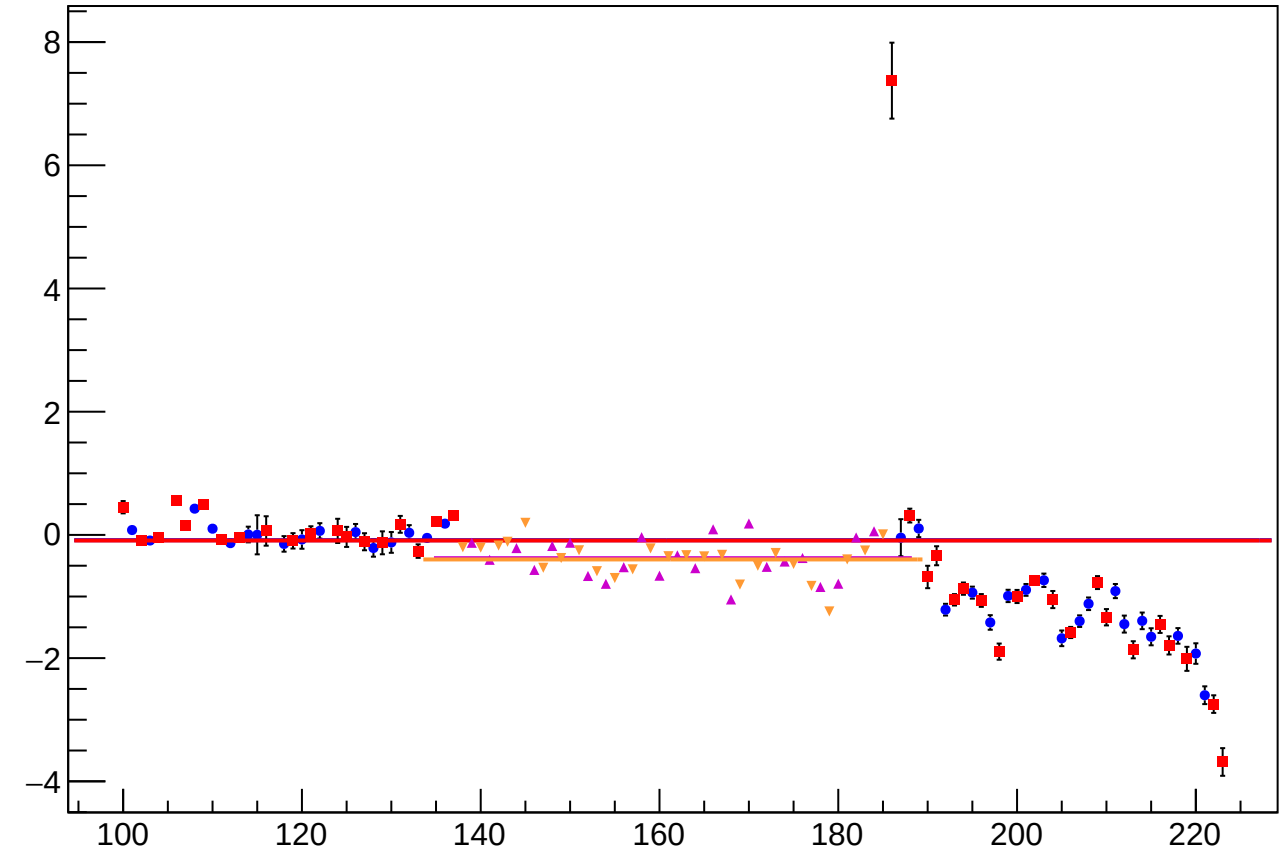
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 1.036+/-0.173 χ^2/NDF: 39328.5/72

In: 46.029+/-0.153 χ^2/NDF:83517.9/56

Out: 48.033+/-0.149 χ^2/NDF:78357.8/63

All: 47.057+/-0.107 χ^2/NDF: 161963.4/120



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

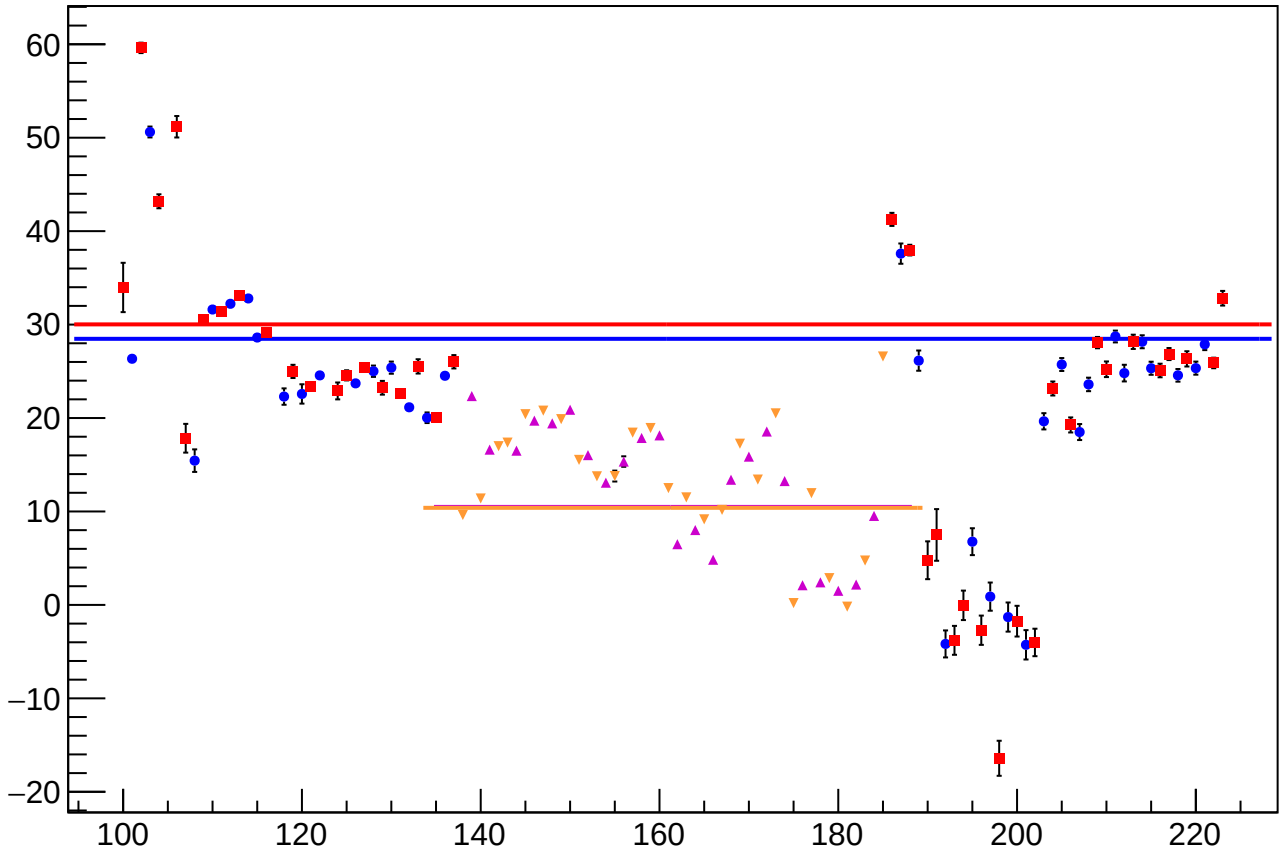
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: -0.088+/-0.007 χ^2/NDF: 5450.8/72

In: -0.259+/-0.007 χ^2/NDF:4320.8/56

Out: -0.278+/-0.007 χ^2/NDF:4501.7/63

All: -0.269+/-0.005 χ^2/NDF: 8826.8/120



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

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

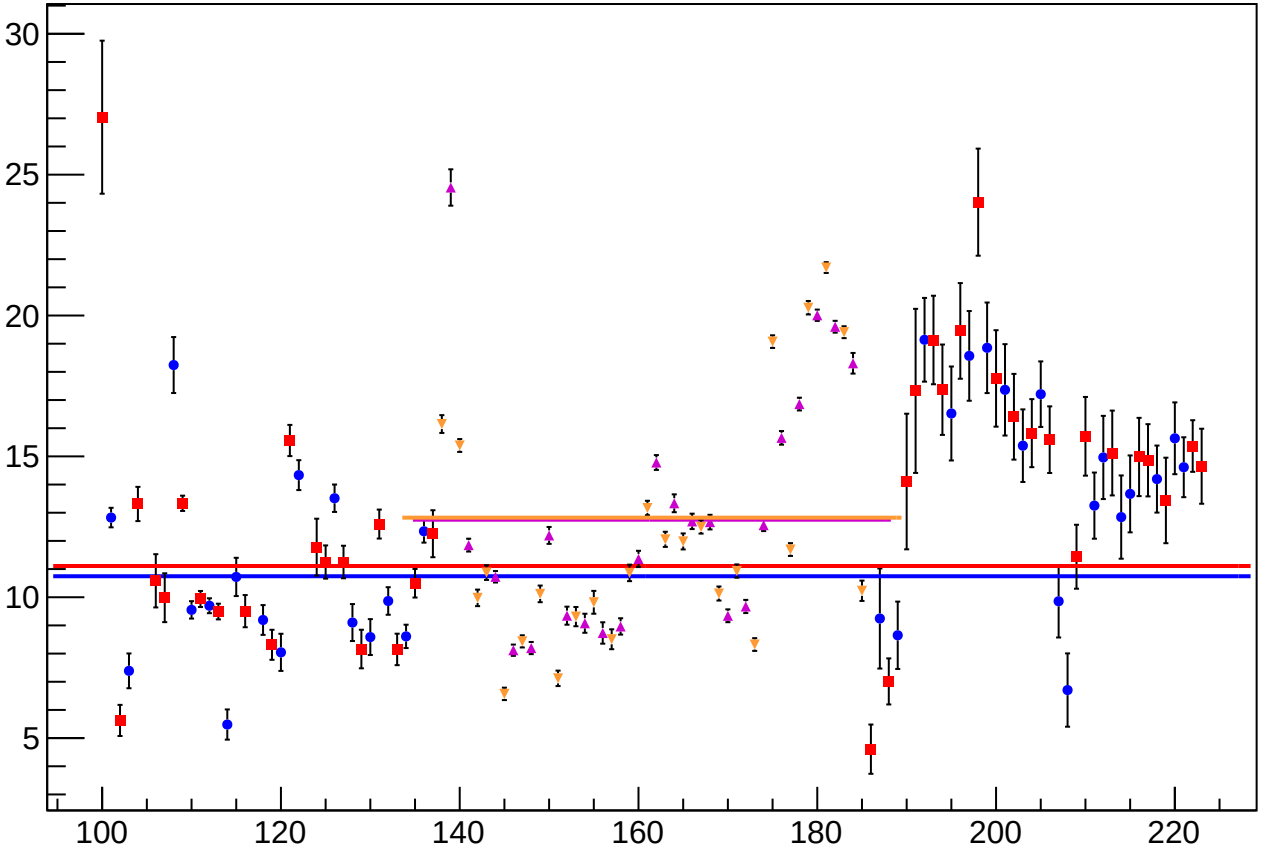
Right: 29.343+/-0.055 χ^2/NDF: 15148.1/72

In: 17.511+/-0.052 χ^2/NDF:45667.9/56

Out: 18.825+/-0.048 χ^2/NDF:63174.6/63

All: 18.217+/-0.035 χ^2/NDF: 109183.8/120

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



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

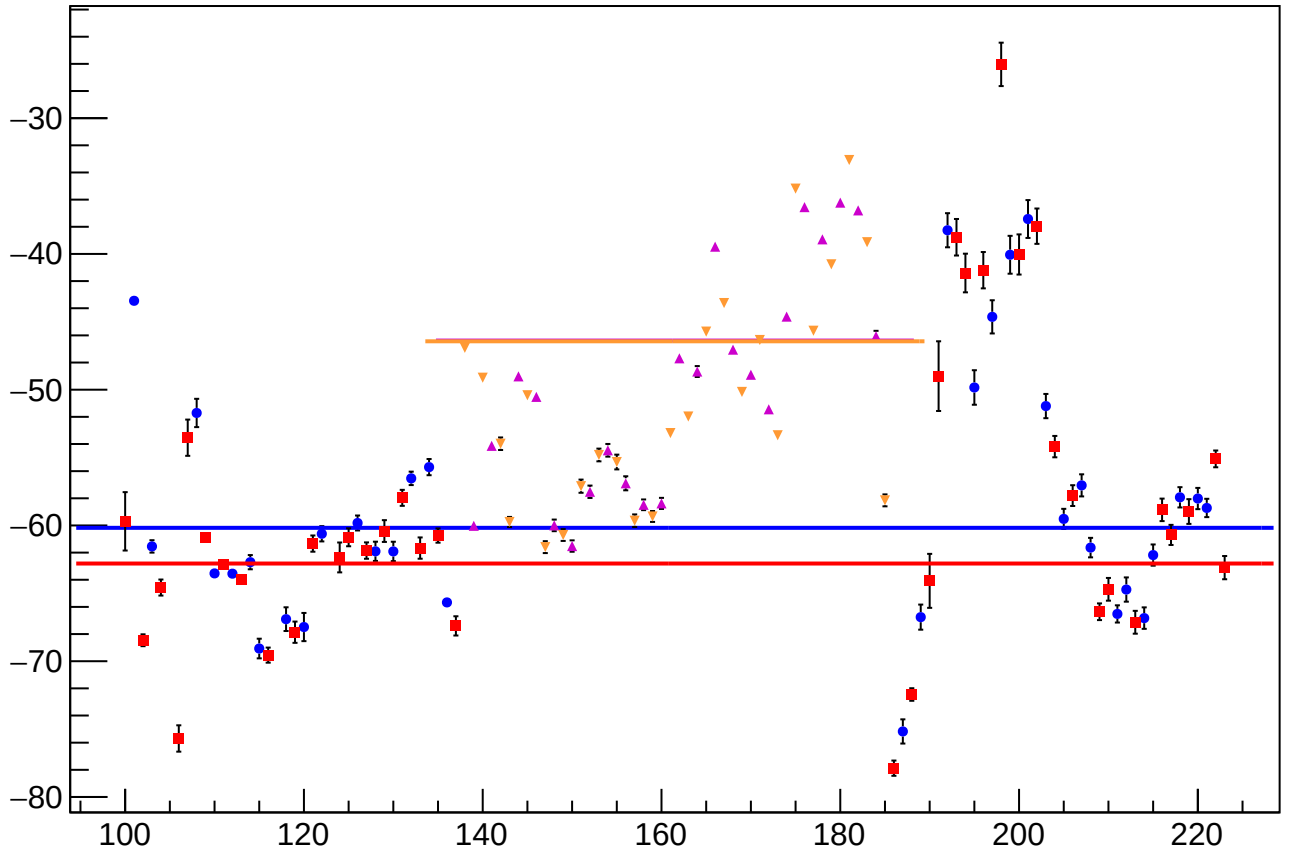
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.931+/-0.075 χ^2/NDF: 1390.9/72

In: 12.359+/-0.047 χ^2/NDF:6423.9/56

Out: 12.498+/-0.046 χ^2/NDF:8976.6/63

All: 12.431+/-0.033 χ^2/NDF: 15404.9/120



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

Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

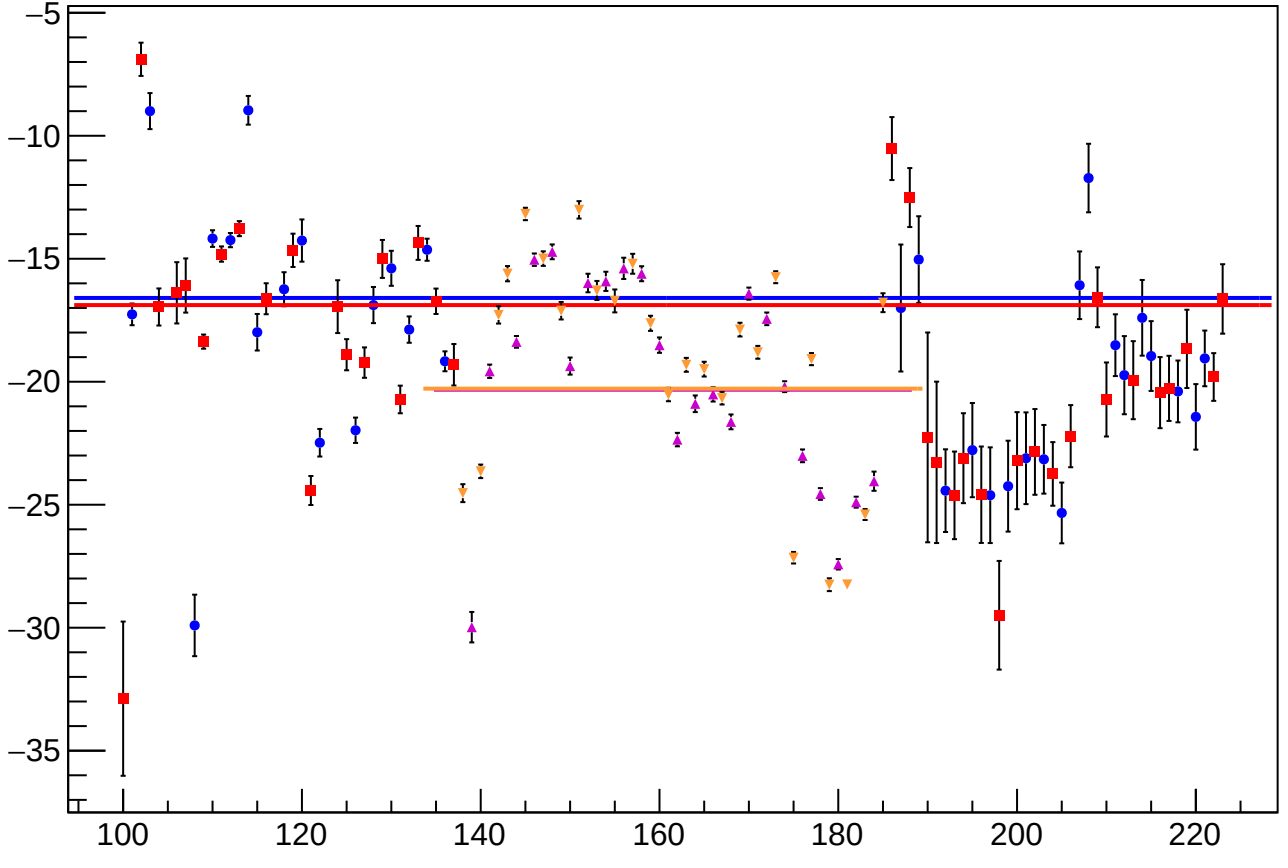
Right: -61.566+/-0.068 χ^2/NDF: 10064.4/72

In: -50.720+/-0.055 χ^2/NDF:33771.3/56

Out: -51.740+/-0.053 χ^2/NDF:43494.5/63

All: -51.252+/-0.038 χ^2/NDF: 77443.0/120

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



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

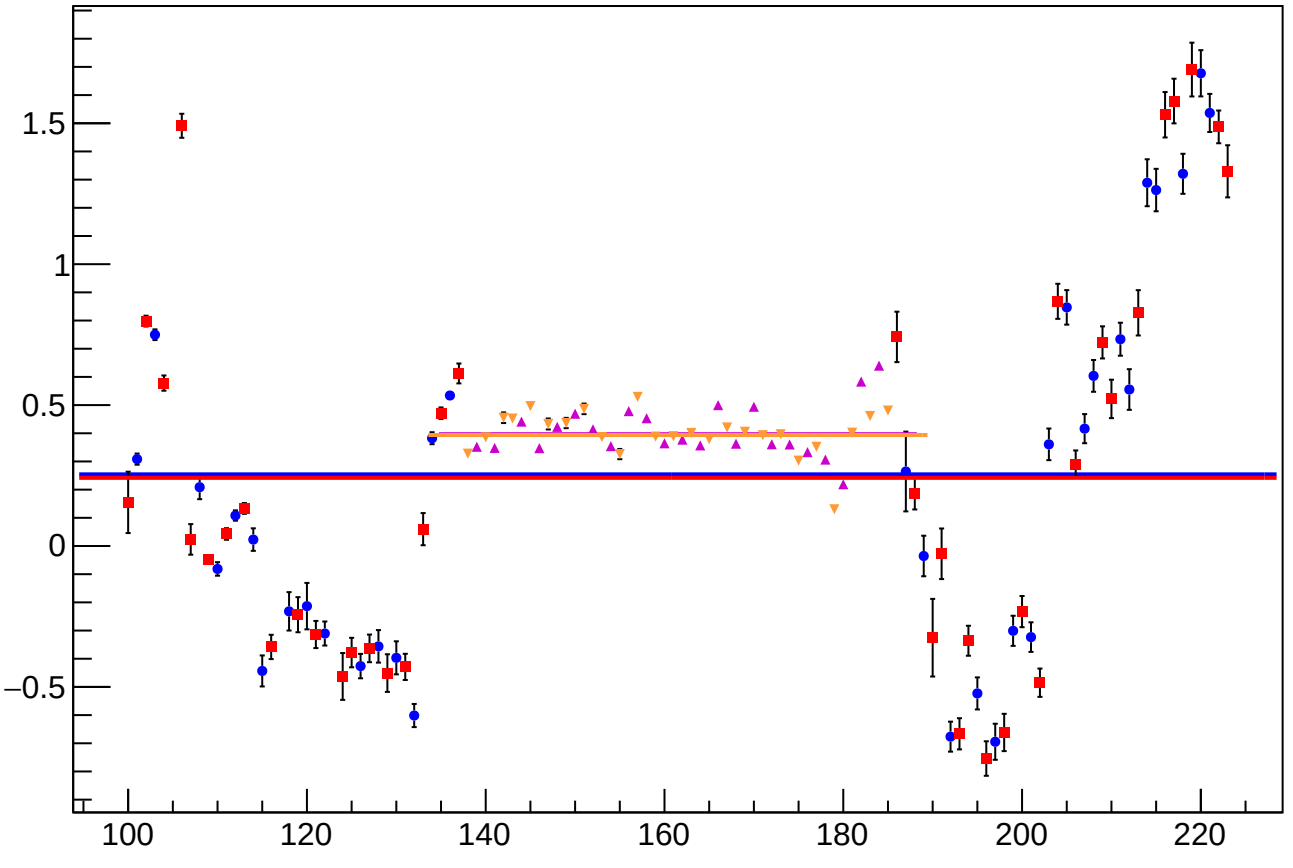
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.742+/-0.084 χ^2/NDF: 1929.4/72

In: -19.592+/-0.053 χ^2/NDF:6064.7/56

Out: -19.627+/-0.051 χ^2/NDF:8618.9/63

All: -19.610+/-0.037 χ^2/NDF: 14683.8/120



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

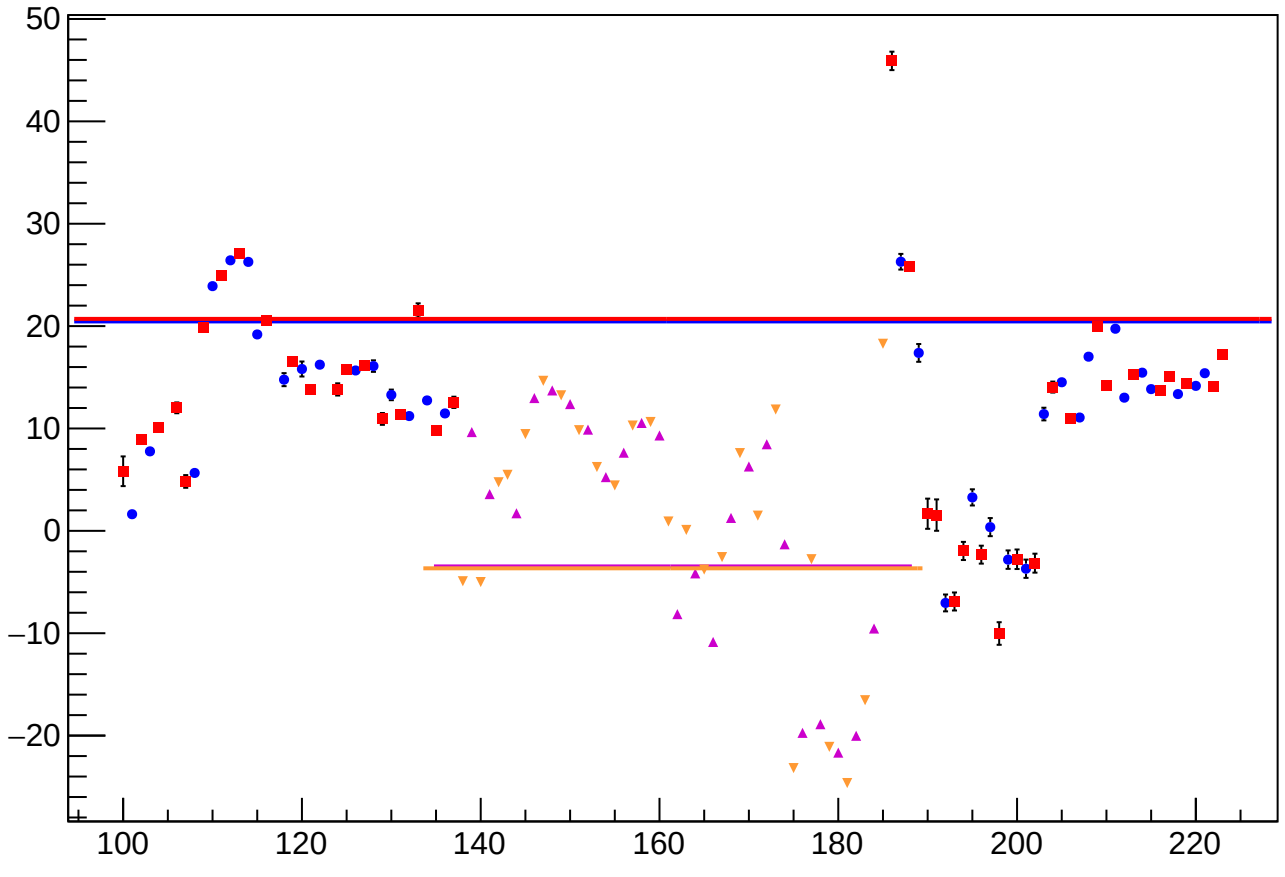
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.248+/-0.005 χ^2/NDF: 11435.9/72

In: 0.376+/-0.002 χ^2/NDF:6768.0/56

Out: 0.373+/-0.002 χ^2/NDF:7823.3/63

All: 0.374+/-0.002 χ^2/NDF: 14592.2/120



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

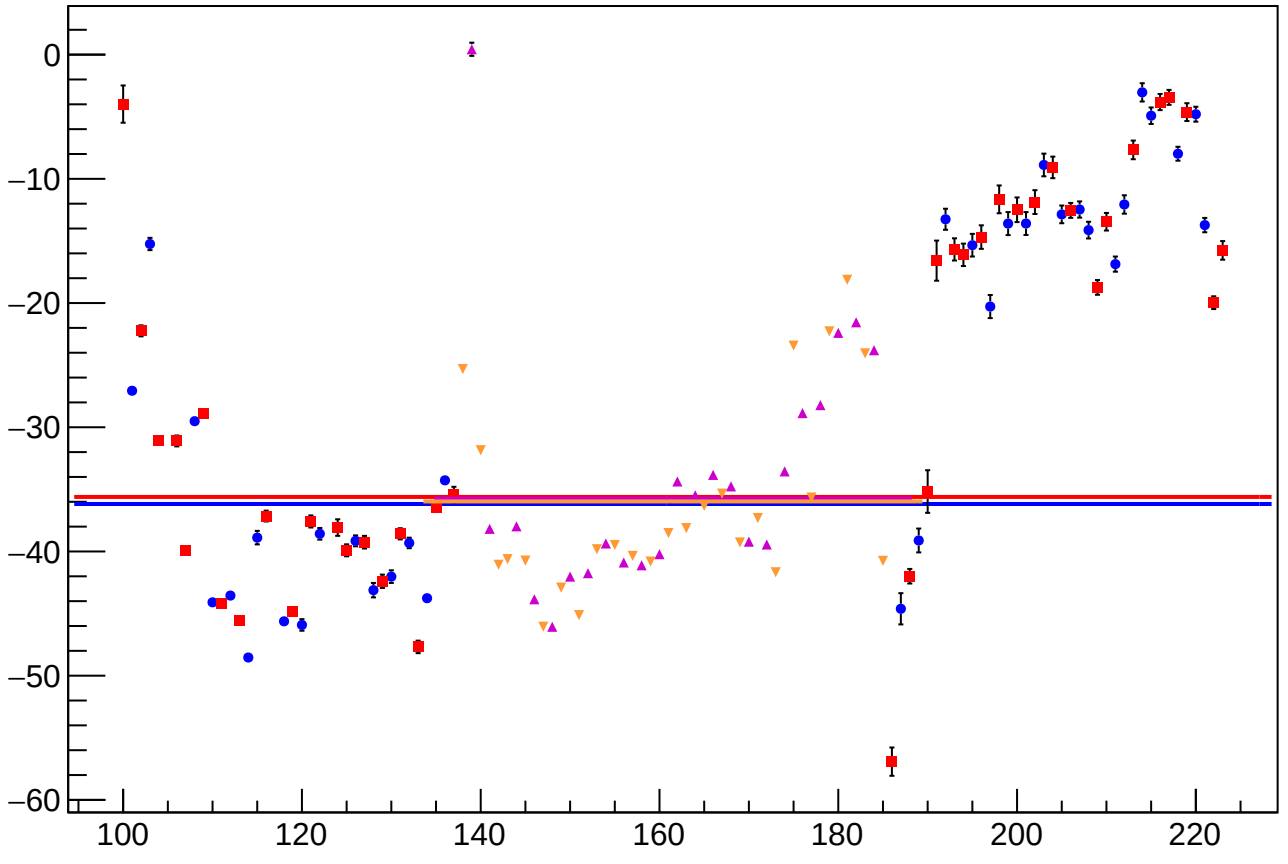
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 20.601+/-0.032 χ^2/NDF: 39599.4/72

In: 10.164+/-0.038 χ^2/NDF:164071.4/56

Out: 11.513+/-0.033 χ^2/NDF:200683.3/63

All: 10.917+/-0.025 χ^2/NDF: 365471.4/120



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

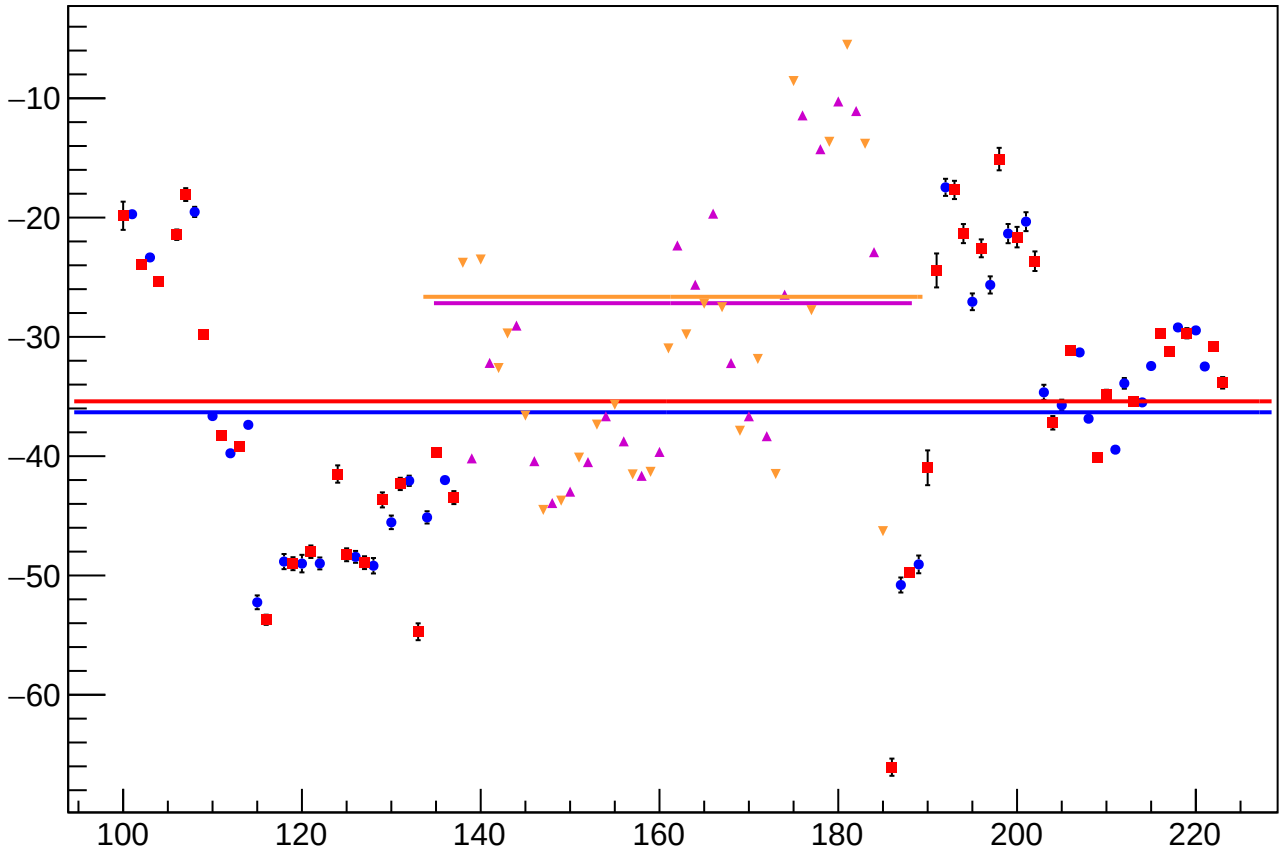
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -35.875+/-0.048 χ^2/NDF: 61930.2/72

In: -35.866+/-0.038 χ^2/NDF:58693.7/56

Out: -35.865+/-0.036 χ^2/NDF:64015.3/63

All: -35.866+/-0.026 χ^2/NDF: 122709.0/120



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

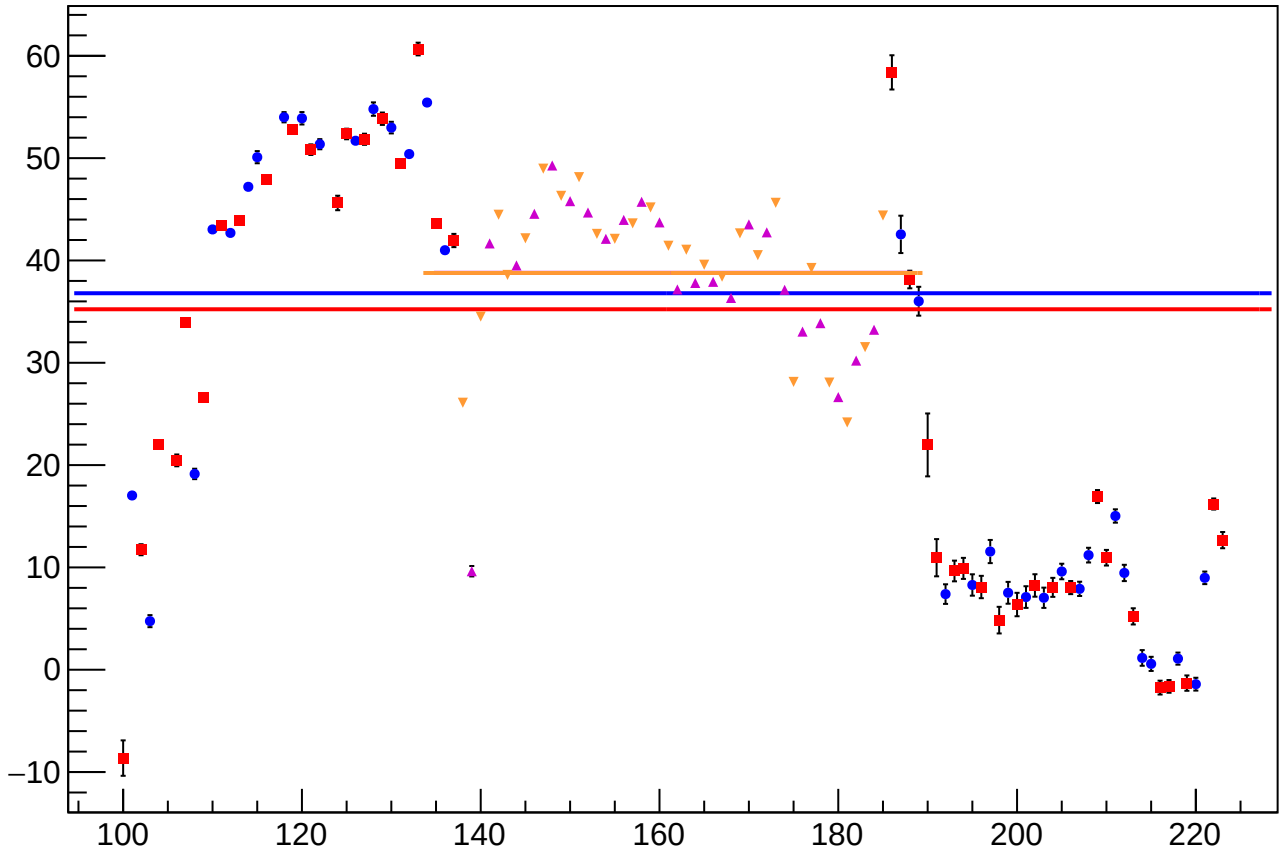
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -35.817+/-0.041 χ^2/NDF: 35423.7/72

In: -31.451+/-0.042 χ^2/NDF:68036.8/56

Out: -30.960+/-0.039 χ^2/NDF:82952.0/63

All: -31.188+/-0.028 χ^2/NDF: 151062.9/120



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

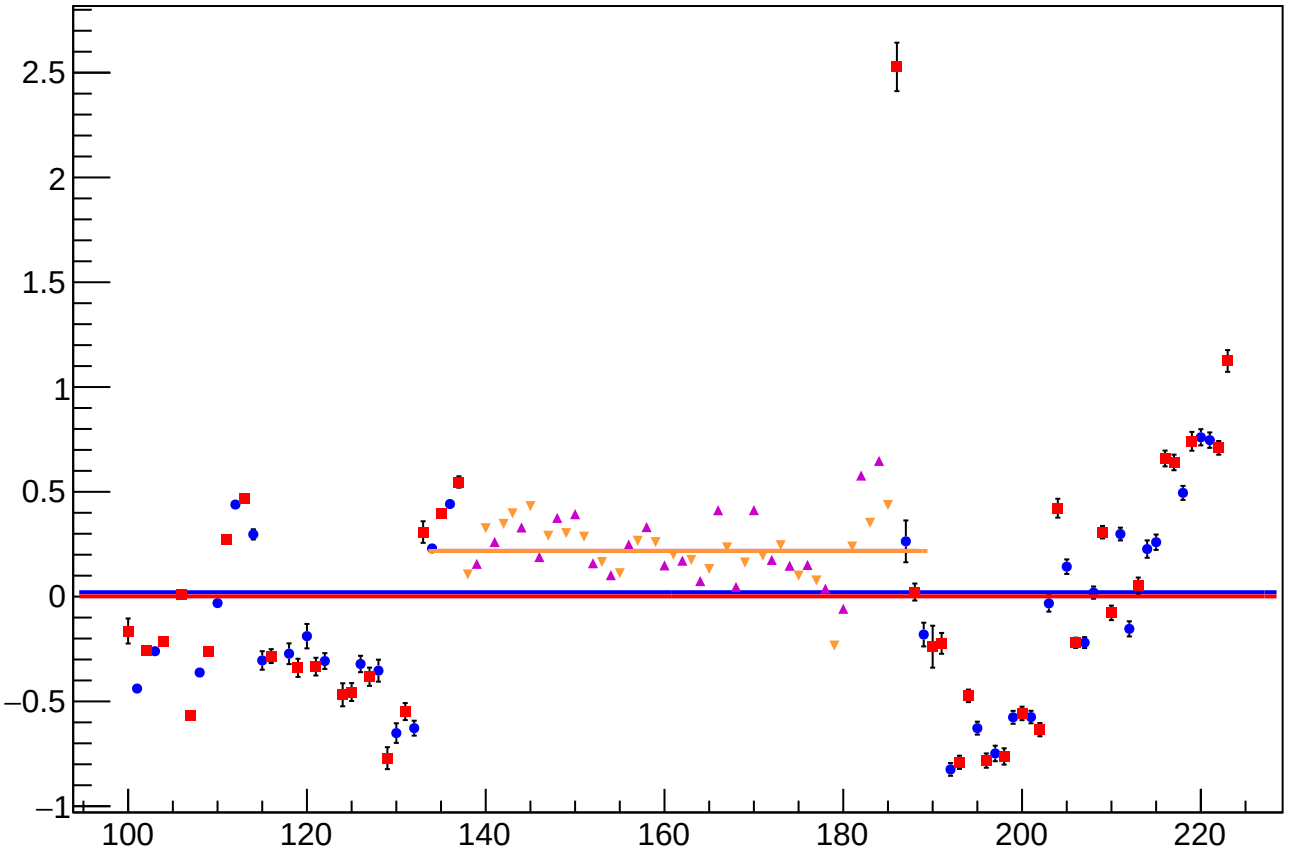
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 35.957+/-0.053 χ^2/NDF: 87227.7/72

In: 38.203+/-0.042 χ^2/NDF:61823.1/56

Out: 37.700+/-0.040 χ^2/NDF:64642.5/63

All: 37.937+/-0.029 χ^2/NDF: 126541.0/120



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

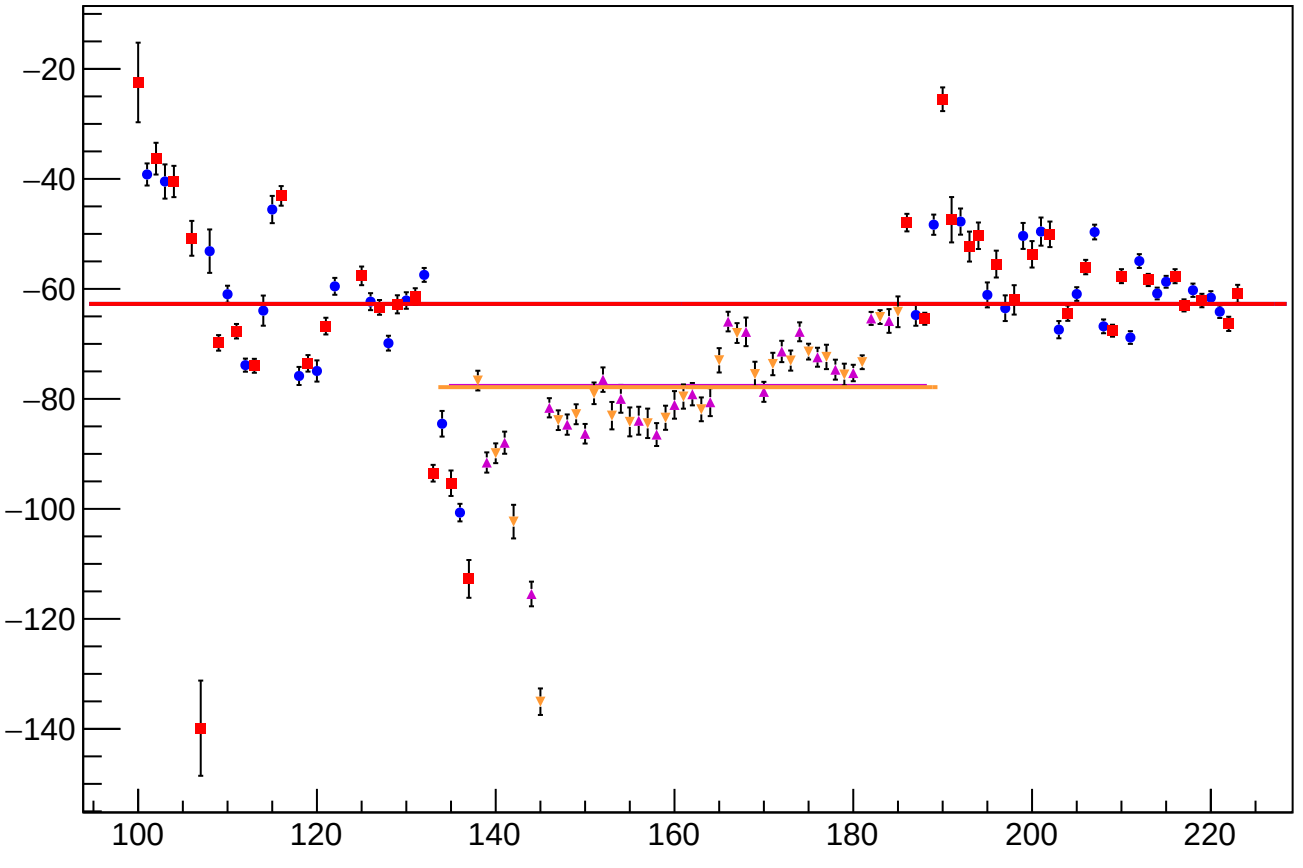
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.010+/-0.003 χ^2/NDF: 20786.5/72

In: 0.174+/-0.002 χ^2/NDF:16303.8/56

Out: 0.167+/-0.002 χ^2/NDF:18001.2/63

All: 0.170+/-0.001 χ^2/NDF: 34312.6/120



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

Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

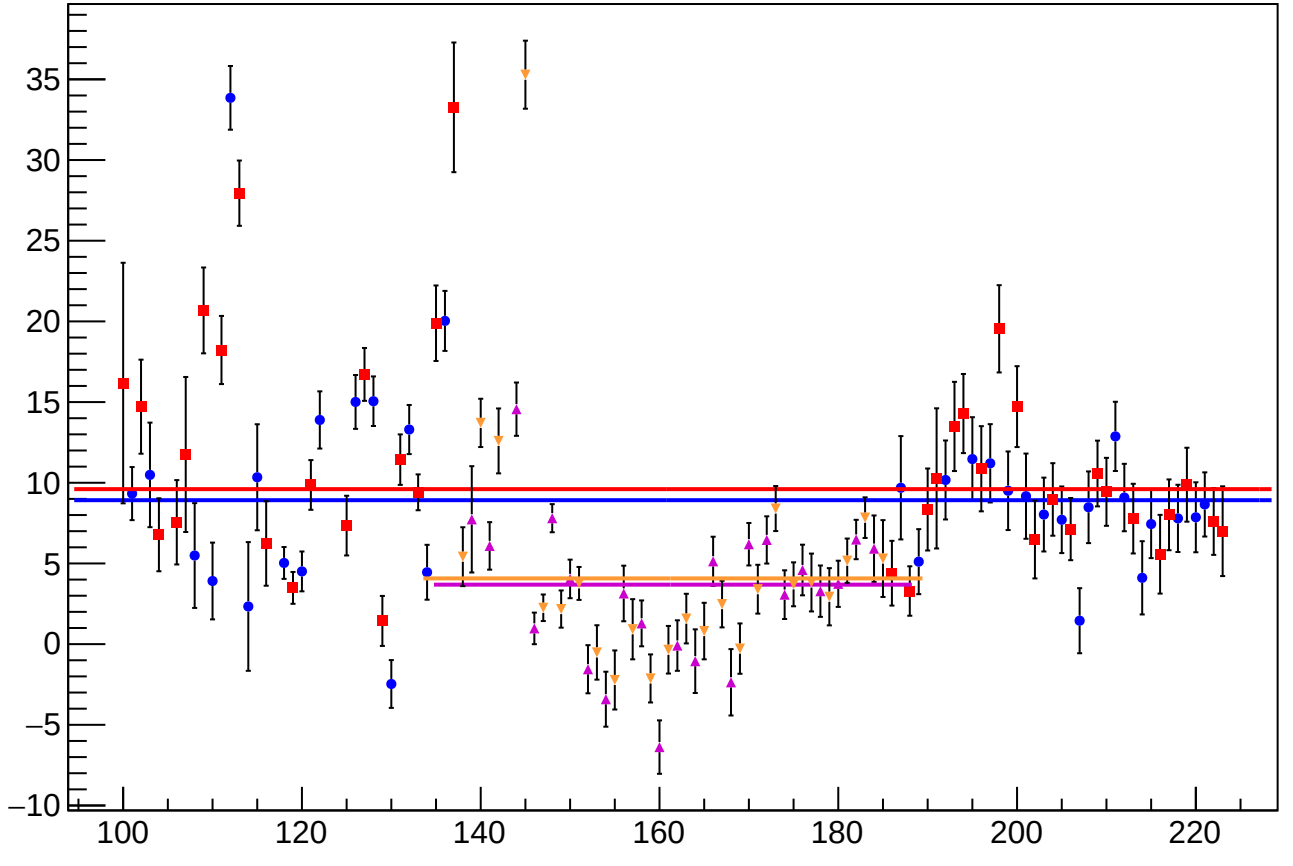
Right: -62.729+/-0.185 χ^2/NDF: 3499.8/71

In: -67.285+/-0.219 χ^2/NDF:3176.1/56

Out: -67.358+/-0.218 χ^2/NDF:3956.5/61

All: -67.322+/-0.155 χ^2/NDF: 7132.7/118

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



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

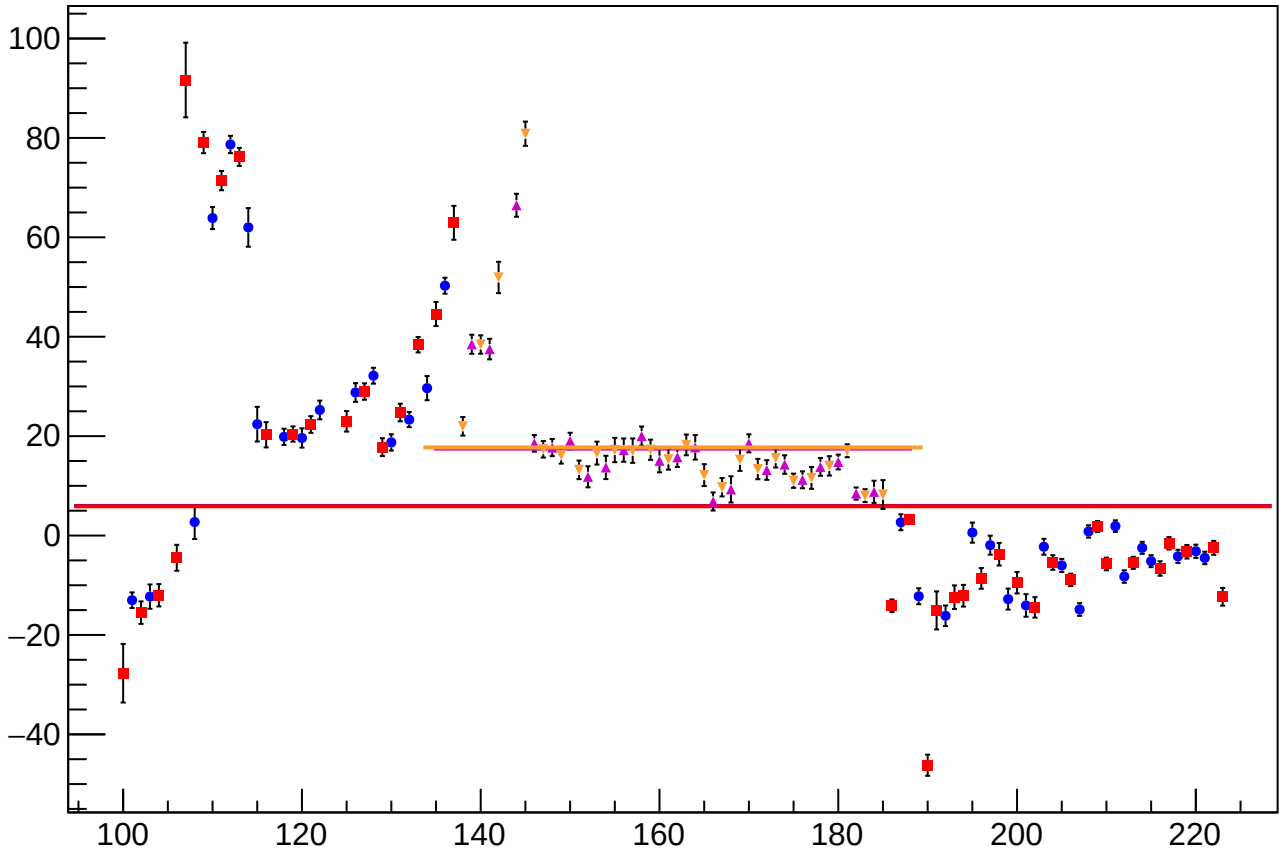
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.265+/-0.235 χ^2/NDF: 697.9/71

In: 6.047+/-0.224 χ^2/NDF:691.1/56

Out: 6.540+/-0.221 χ^2/NDF:848.6/61

All: 6.297+/-0.157 χ^2/NDF: 1542.2/118



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

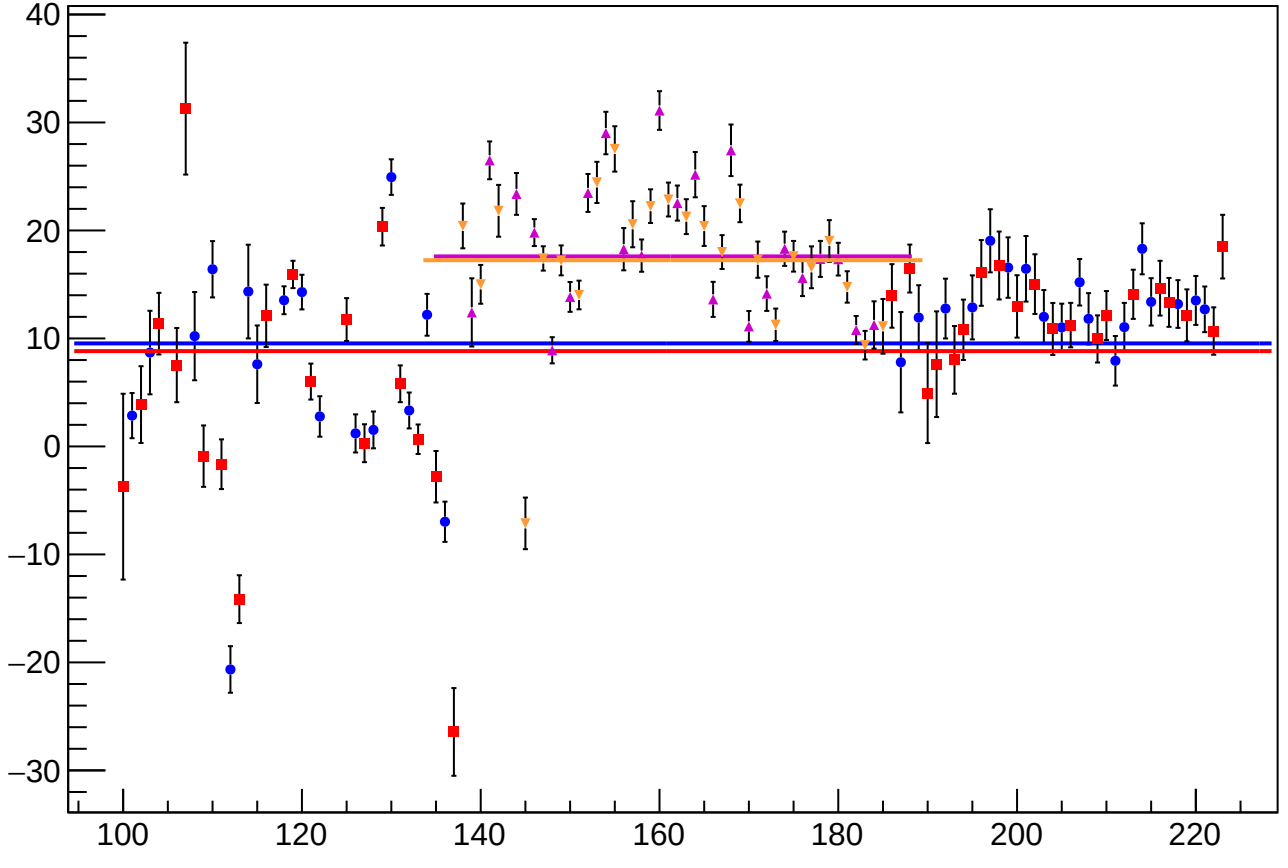
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 5.924+/-0.195 χ^2/NDF: 13451.9/71

In: 9.798+/-0.227 χ^2/NDF:7197.7/56

Out: 9.786+/-0.224 χ^2/NDF:9322.4/61

All: 9.792+/-0.159 χ^2/NDF: 16520.1/118



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

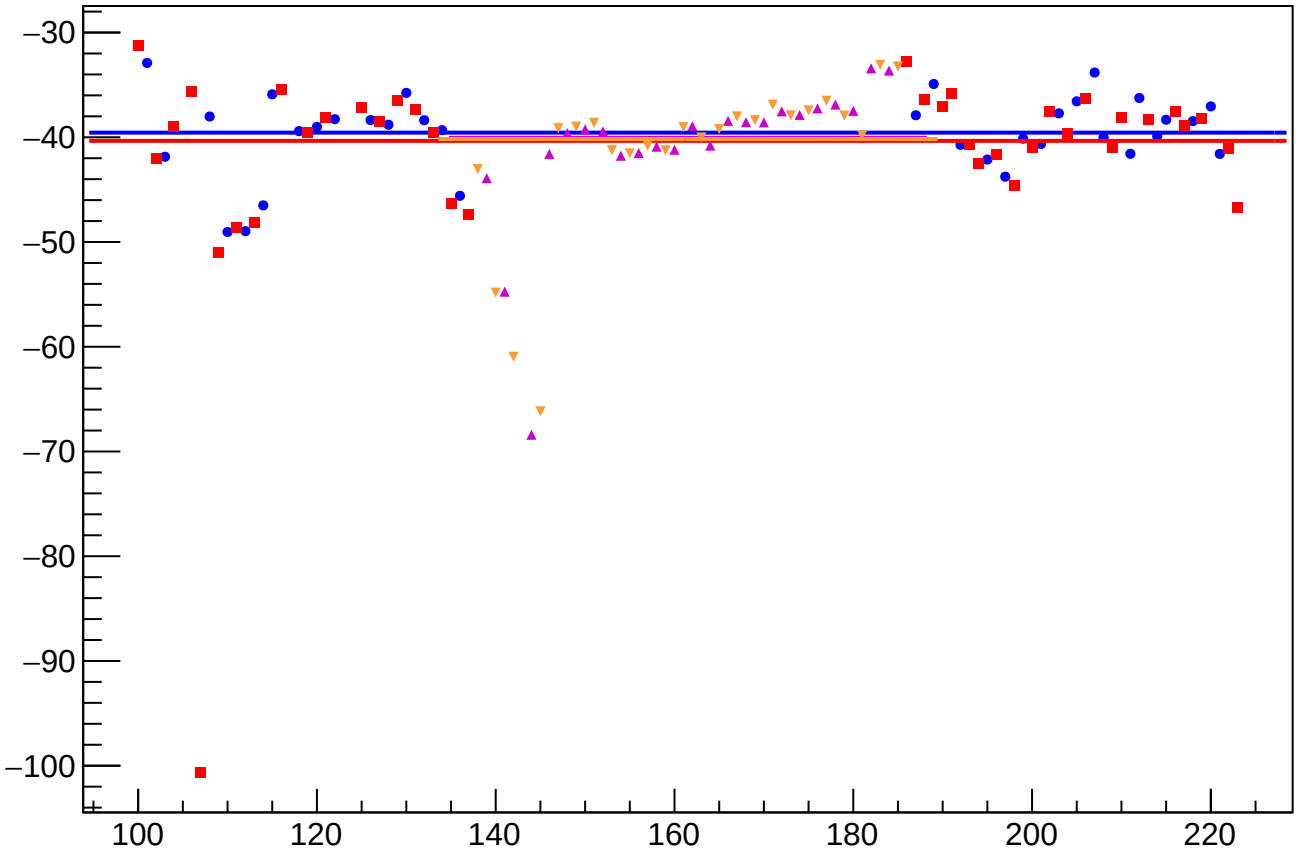
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 9.185+/-0.268 χ^2/NDF: 1004.1/71

In: 13.971+/-0.254 χ^2/NDF:1091.8/56

Out: 13.527+/-0.253 χ^2/NDF:1004.1/61

All: 13.748+/-0.179 χ^2/NDF: 2097.5/118



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

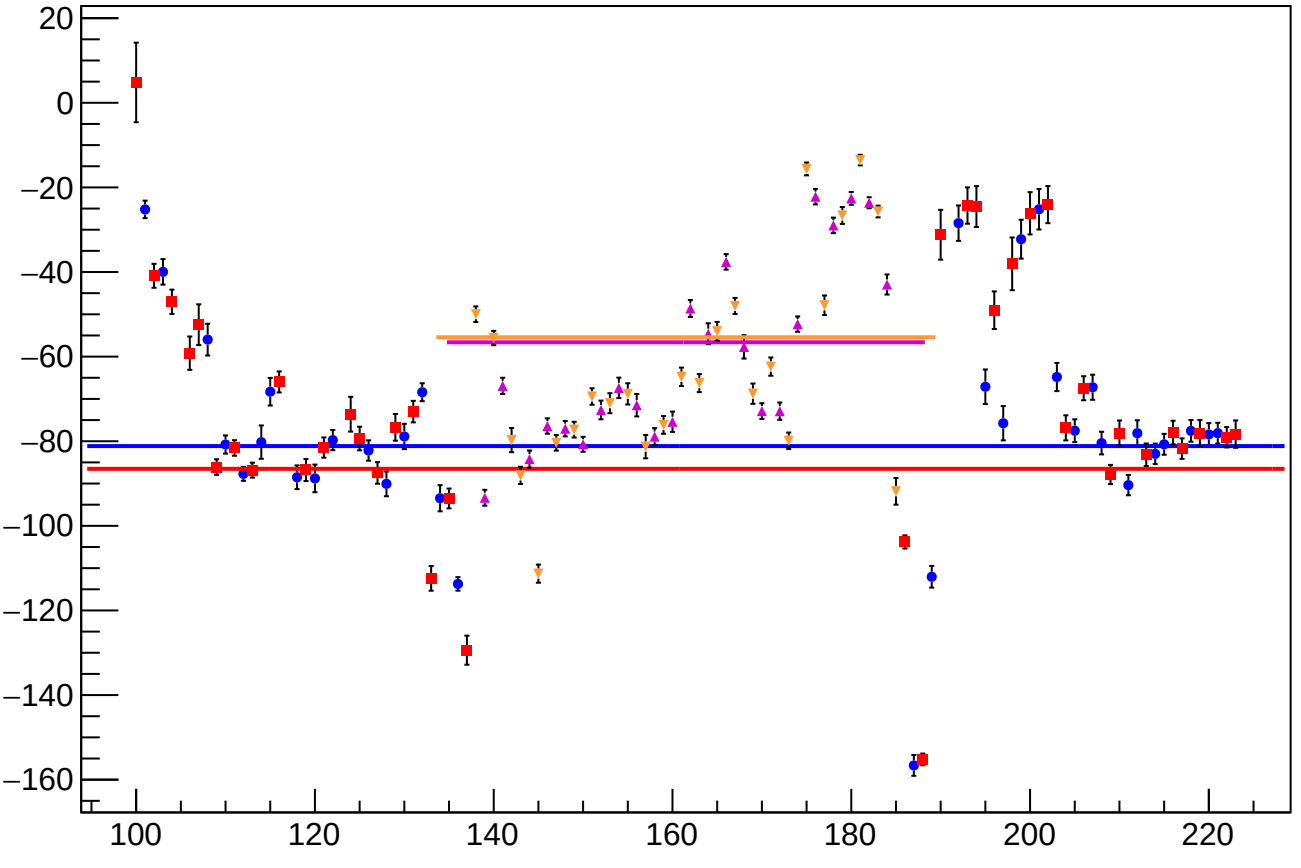
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

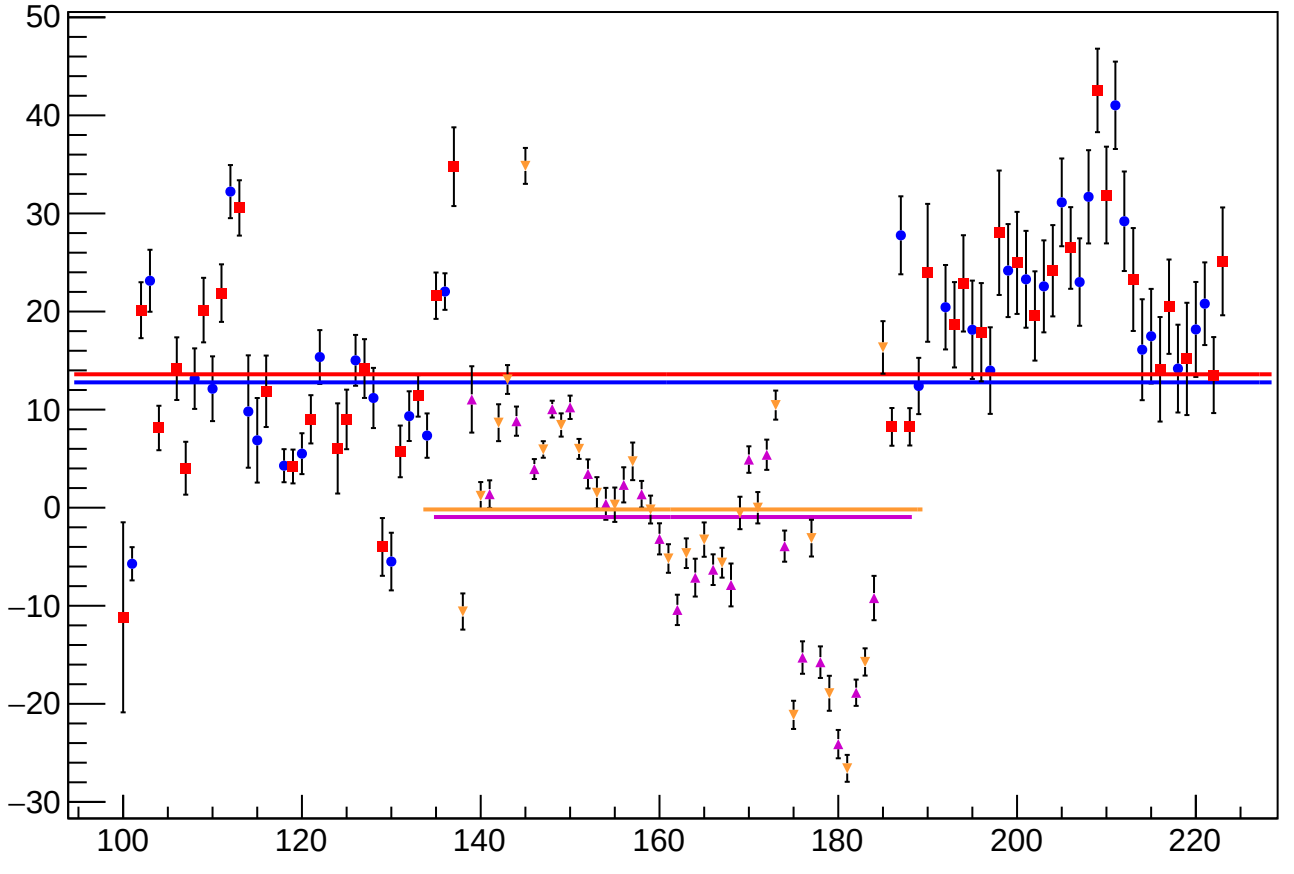
Right: -39.950+/-0.014 χ^2/NDF: 110655.1/71

In: -39.856+/-0.012 χ^2/NDF:171351.3/56

Out: -40.235+/-0.012 χ^2/NDF:238691.3/61

All: -40.045+/-0.008 χ^2/NDF: 410538.7/118


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
200
220
Right In: -81.148+/-0.456 χ²/NDF: 3067.4/33
Left Out: -55.424+/-0.393 χ²/NDF:4525.3/24
Right Out: -86.520+/-0.433 χ²/NDF: 4657.7/37
Left In: -56.609+/-0.404 χ²/NDF:3350.3/22
Left: -56.001+/-0.282 χ²/NDF: 7880.0/47
Right: -83.969+/-0.314 χ²/NDF: 7798.1/71
In: -67.405+/-0.302 χ²/NDF:8042.9/56
Out: -69.472+/-0.291 χ²/NDF:12007.3/62
All: -68.477+/-0.210 χ²/NDF: 20074.5/119



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

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

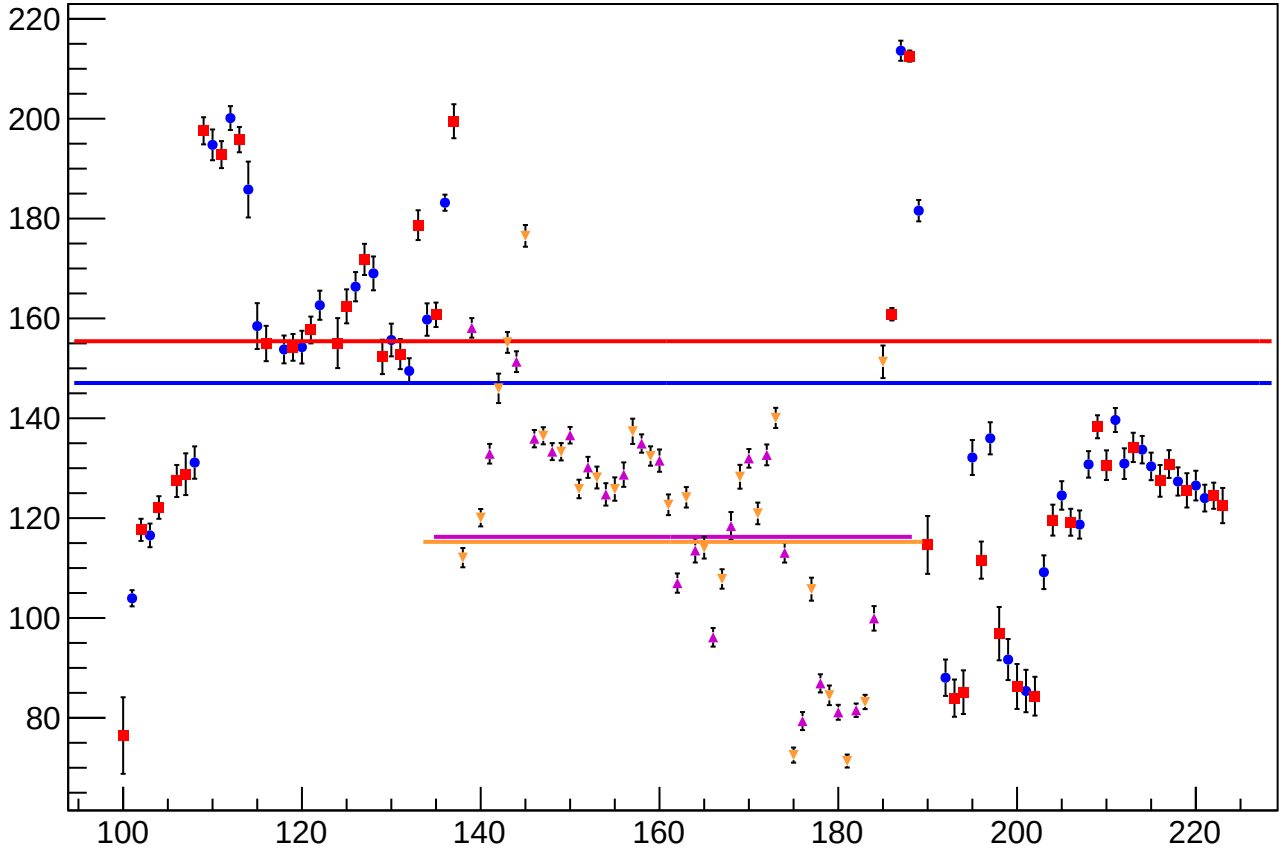
Right: 13.201+/-0.372 χ^2/NDF: 745.2/71

In: 2.416+/-0.264 χ^2/NDF:1992.1/56

Out: 3.177+/-0.256 χ^2/NDF:2454.7/62

All: 2.808+/-0.184 χ^2/NDF: 4451.1/119

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



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

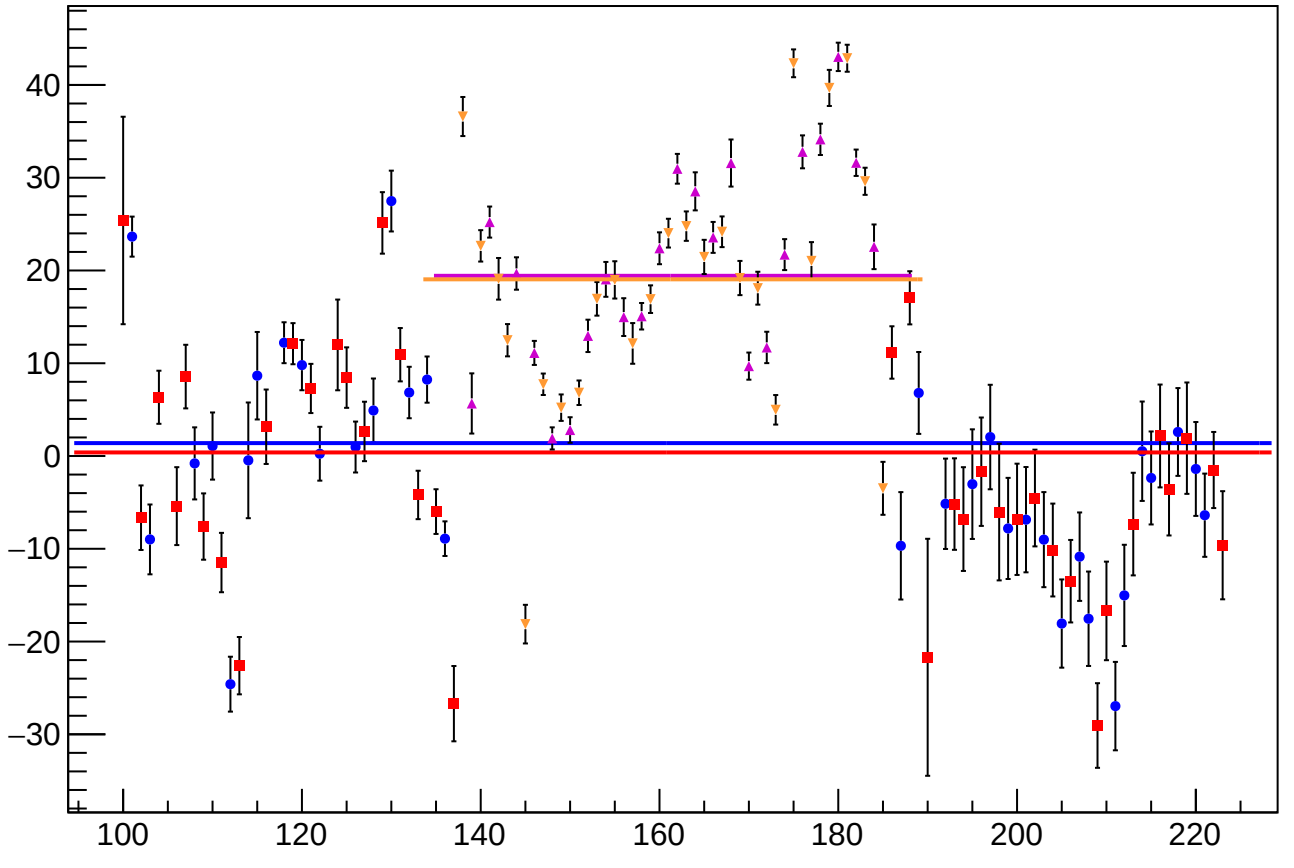
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 151.534+/-0.321 χ^2/NDF: 11938.2/71

In: 129.140+/-0.304 χ^2/NDF:11095.2/56

Out: 132.965+/-0.292 χ^2/NDF:16316.4/62

All: 131.133+/-0.211 χ^2/NDF: 27493.8/119



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

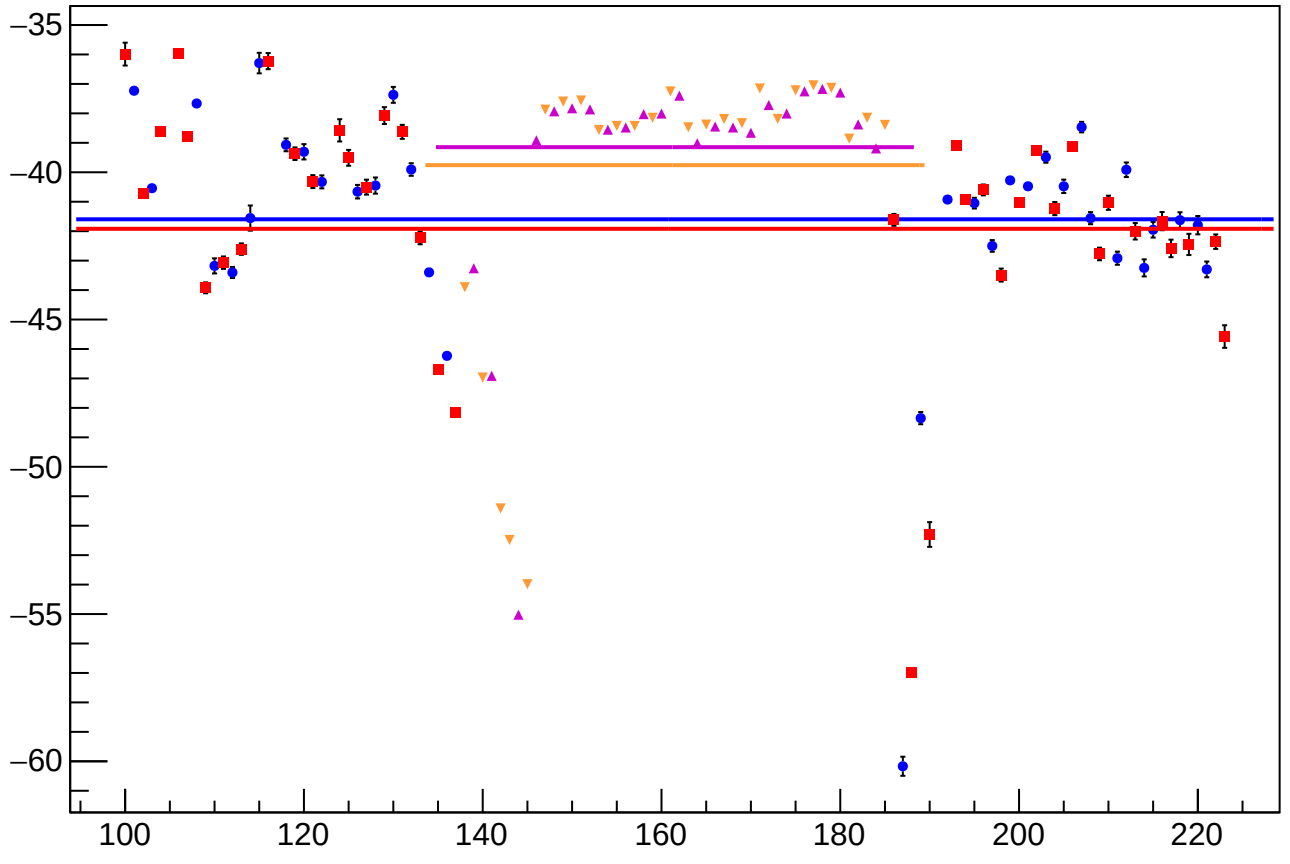
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 0.884+/-0.432 χ^2/NDF: 833.6/71

In: 15.075+/-0.301 χ^2/NDF:2170.0/56

Out: 14.680+/-0.294 χ^2/NDF:2662.8/62

All: 14.873+/-0.210 χ^2/NDF: 4833.6/119



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

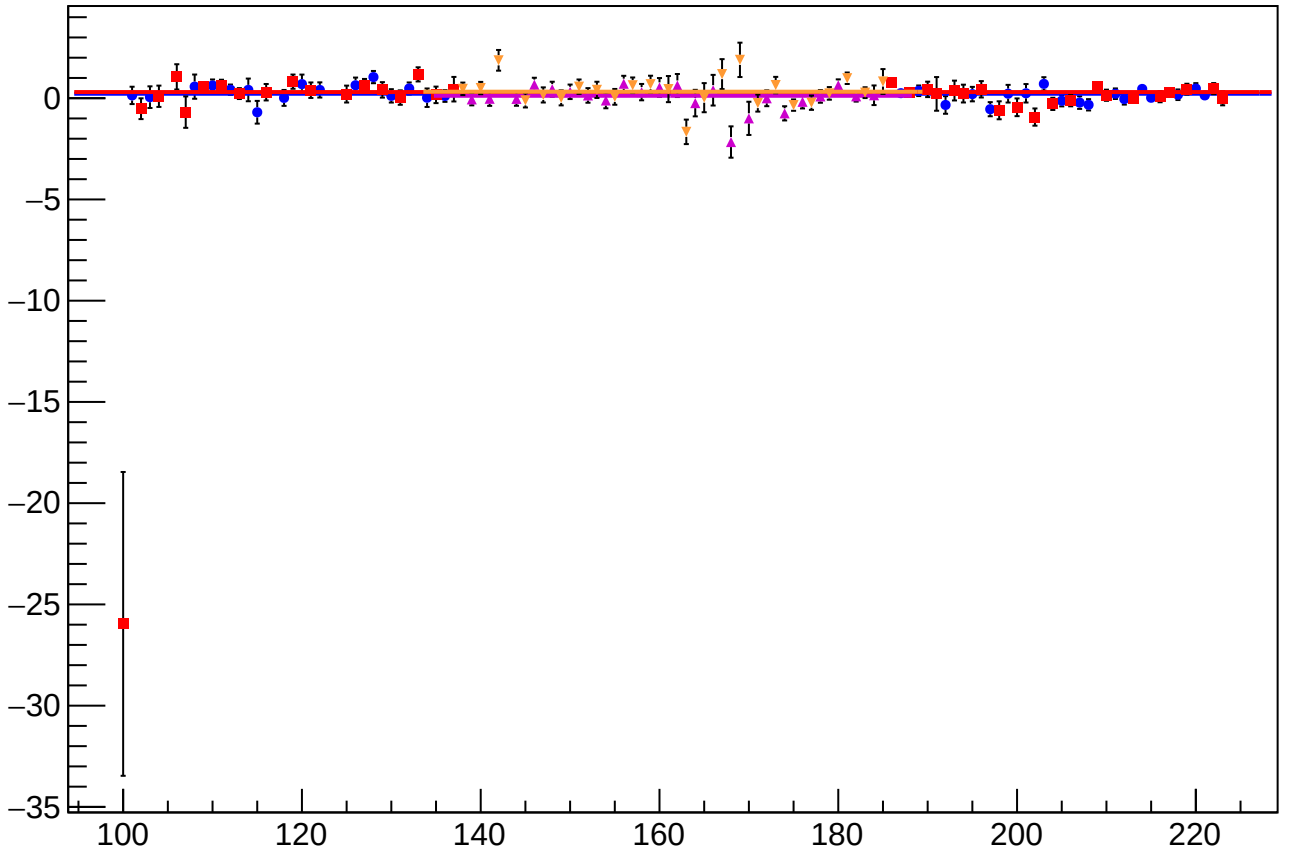
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.756+/-0.021 χ^2/NDF: 32972.4/71

In: -39.666+/-0.014 χ^2/NDF:65165.9/56

Out: -40.201+/-0.014 χ^2/NDF:105751.9/62

All: -39.935+/-0.010 χ^2/NDF: 171670.2/119



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

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

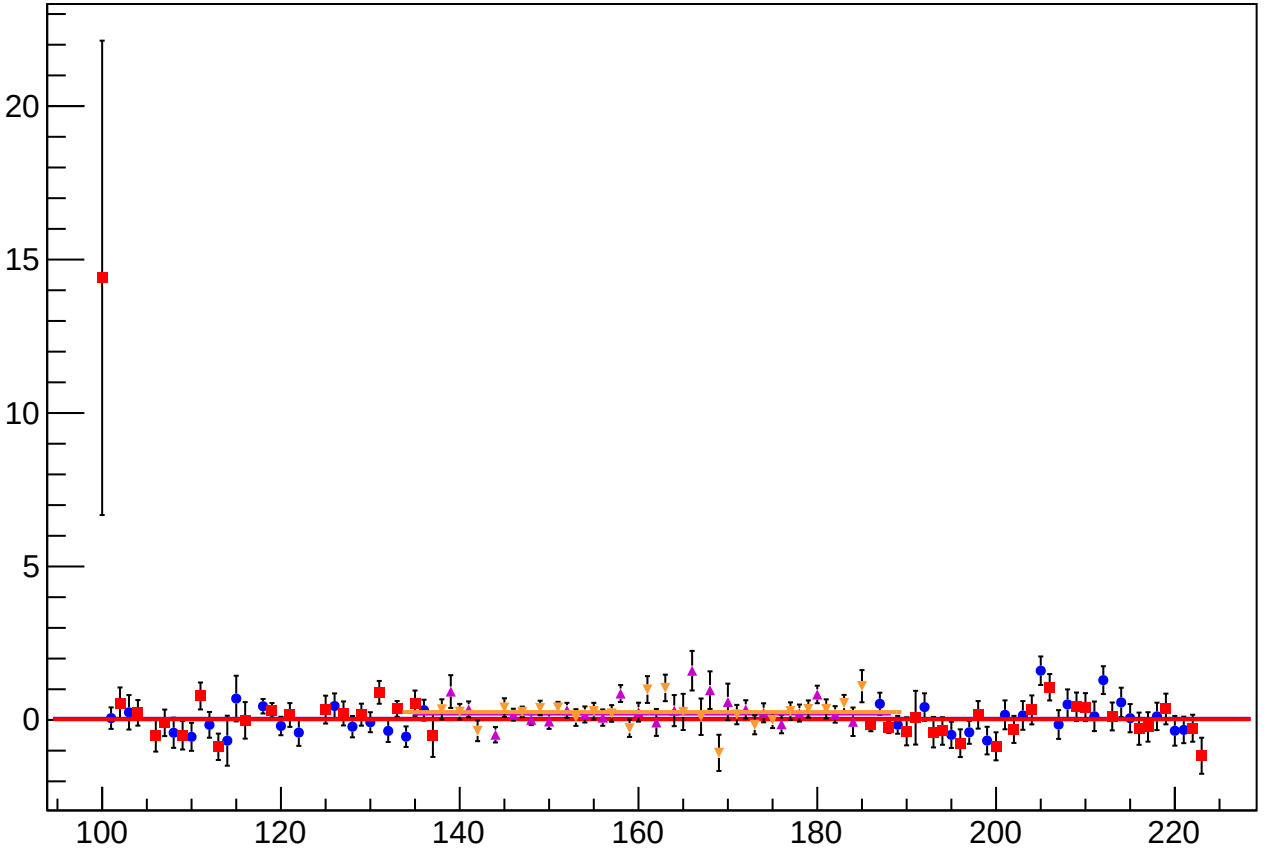
Right: 0.265+/-0.037 χ^2/NDF: 104.2/71

In: 0.189+/-0.045 χ^2/NDF:68.2/56

Out: 0.309+/-0.042 χ^2/NDF:112.7/61

All: 0.252+/-0.031 χ^2/NDF: 184.7/118

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

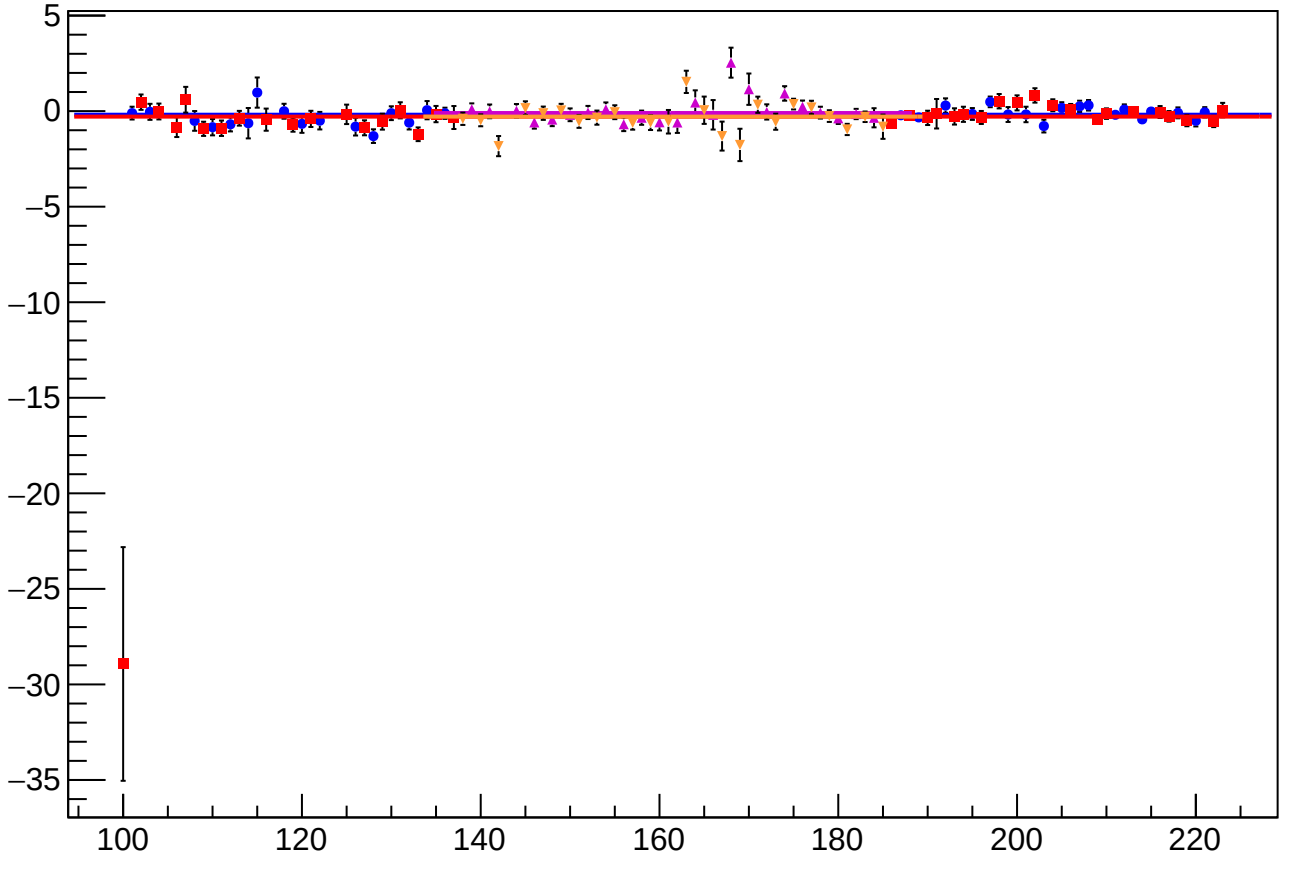
Right: 0.029+/-0.047 χ^2/NDF: 99.3/71

In: 0.133+/-0.045 χ^2/NDF:82.4/56

Out: 0.149+/-0.044 χ^2/NDF:85.9/61

All: 0.142+/-0.031 χ^2/NDF: 168.3/118

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



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

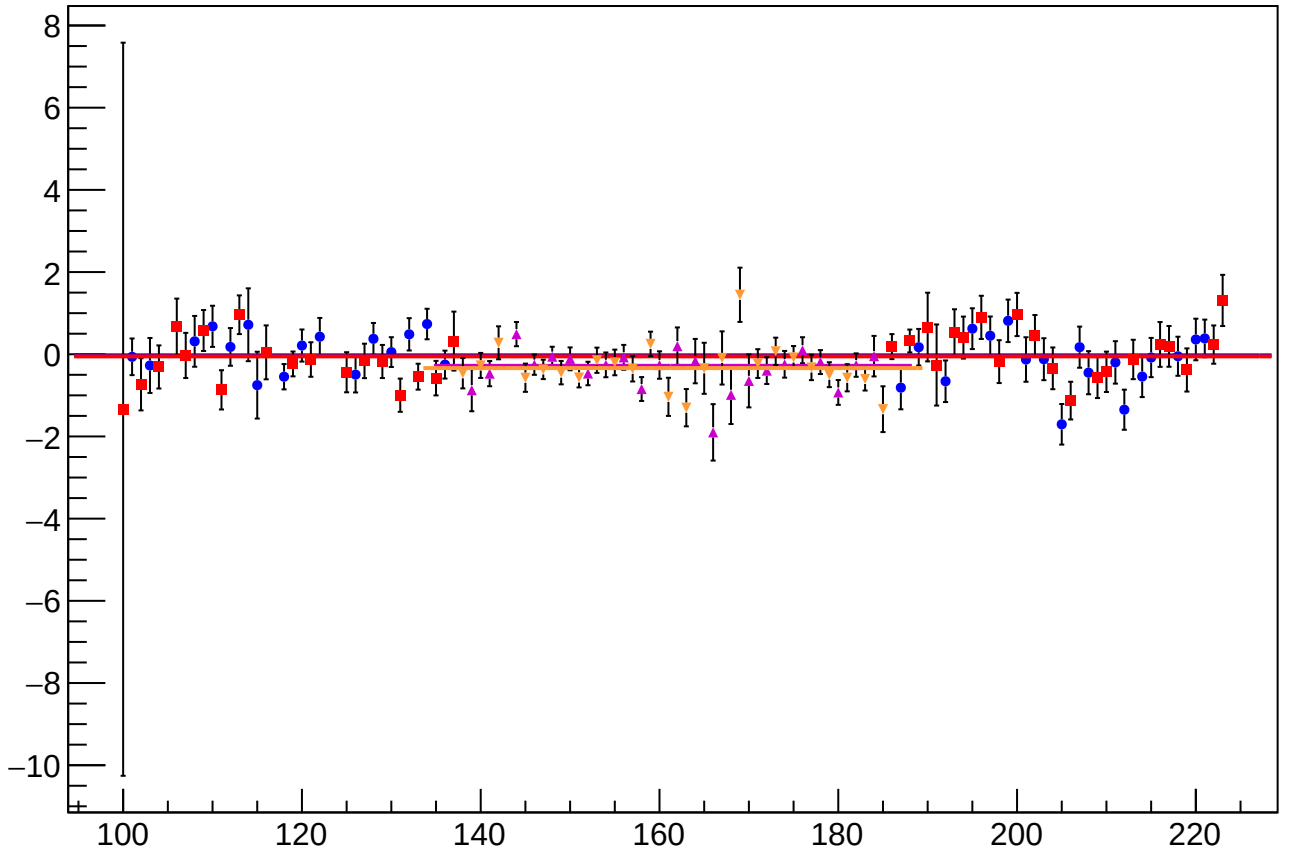
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.243+/-0.037 χ^2/NDF: 125.0/71

In: -0.159+/-0.045 χ^2/NDF:77.9/56

Out: -0.287+/-0.042 χ^2/NDF:124.5/61

All: -0.228+/-0.031 χ^2/NDF: 206.7/118



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

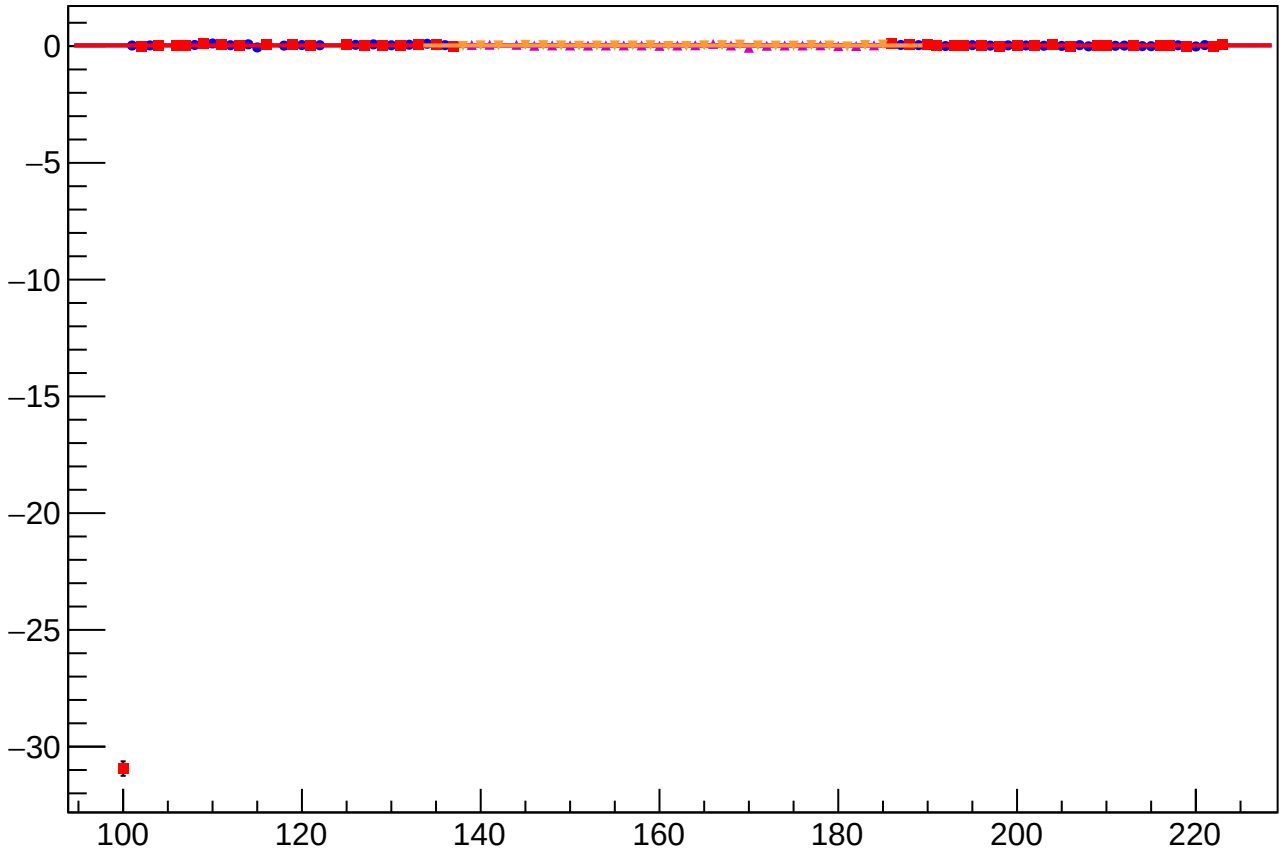
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.040+/-0.055 χ^2/NDF: 98.1/71

In: -0.172+/-0.052 χ^2/NDF:83.6/56

Out: -0.211+/-0.051 χ^2/NDF:87.2/61

All: -0.192+/-0.036 χ^2/NDF: 171.1/118



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

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

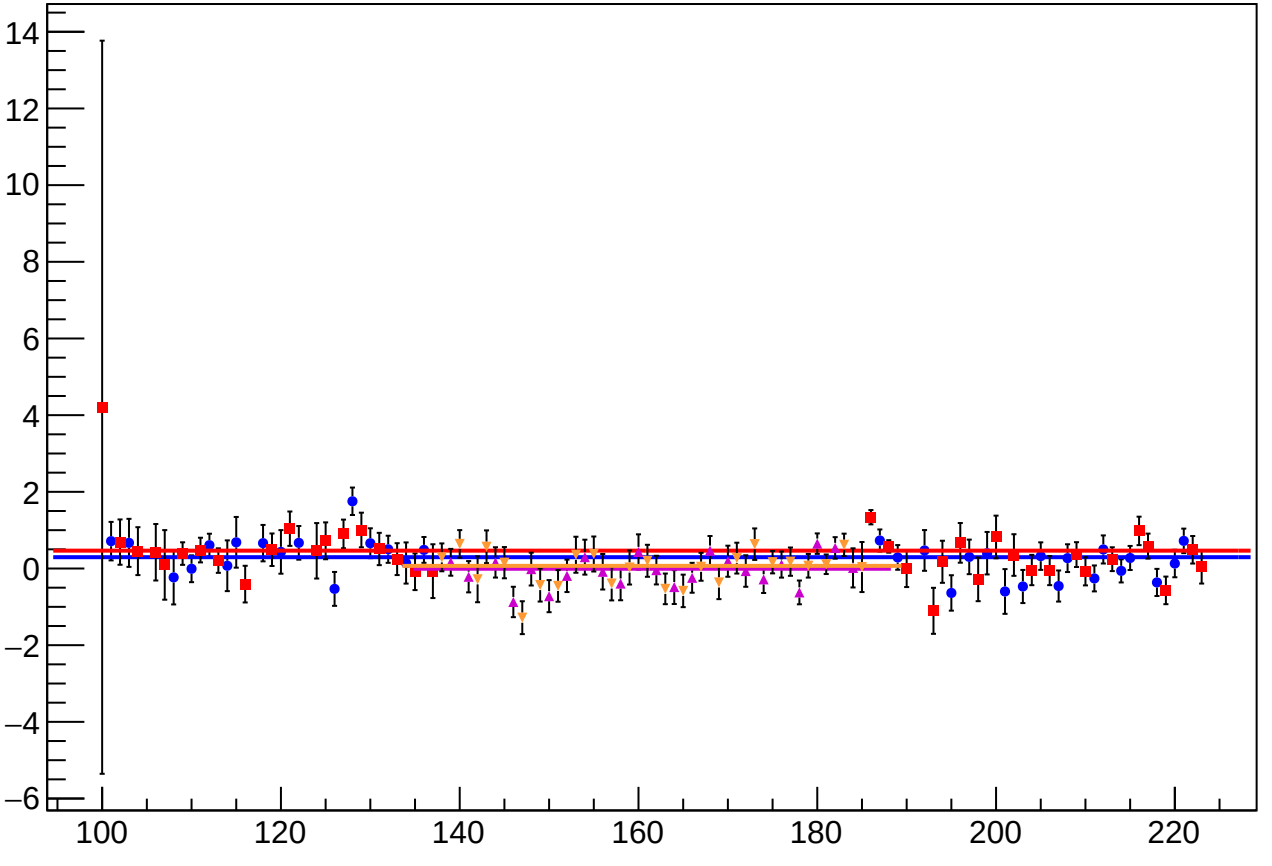
Right: 0.030+/-0.003 χ^2/NDF: 10106.1/71

In: 0.031+/-0.002 χ^2/NDF:82.4/56

Out: 0.028+/-0.002 χ^2/NDF:10090.2/61

All: 0.029+/-0.002 χ^2/NDF: 10173.0/118

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

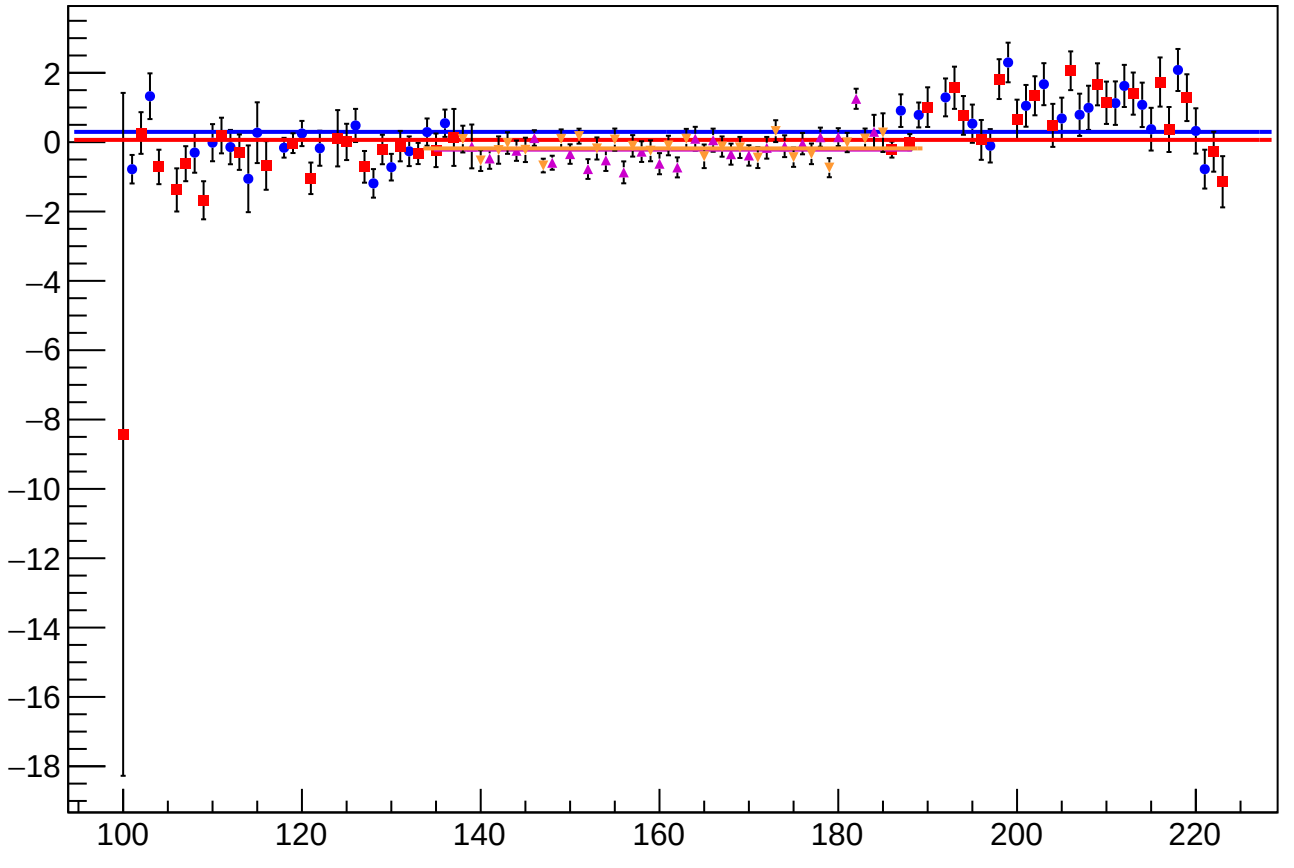
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.388+/-0.046 χ^2/NDF: 117.4/71

In: 0.168+/-0.052 χ^2/NDF:89.1/56

Out: 0.310+/-0.048 χ^2/NDF:108.9/62

All: 0.243+/-0.035 χ^2/NDF: 202.0/119



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

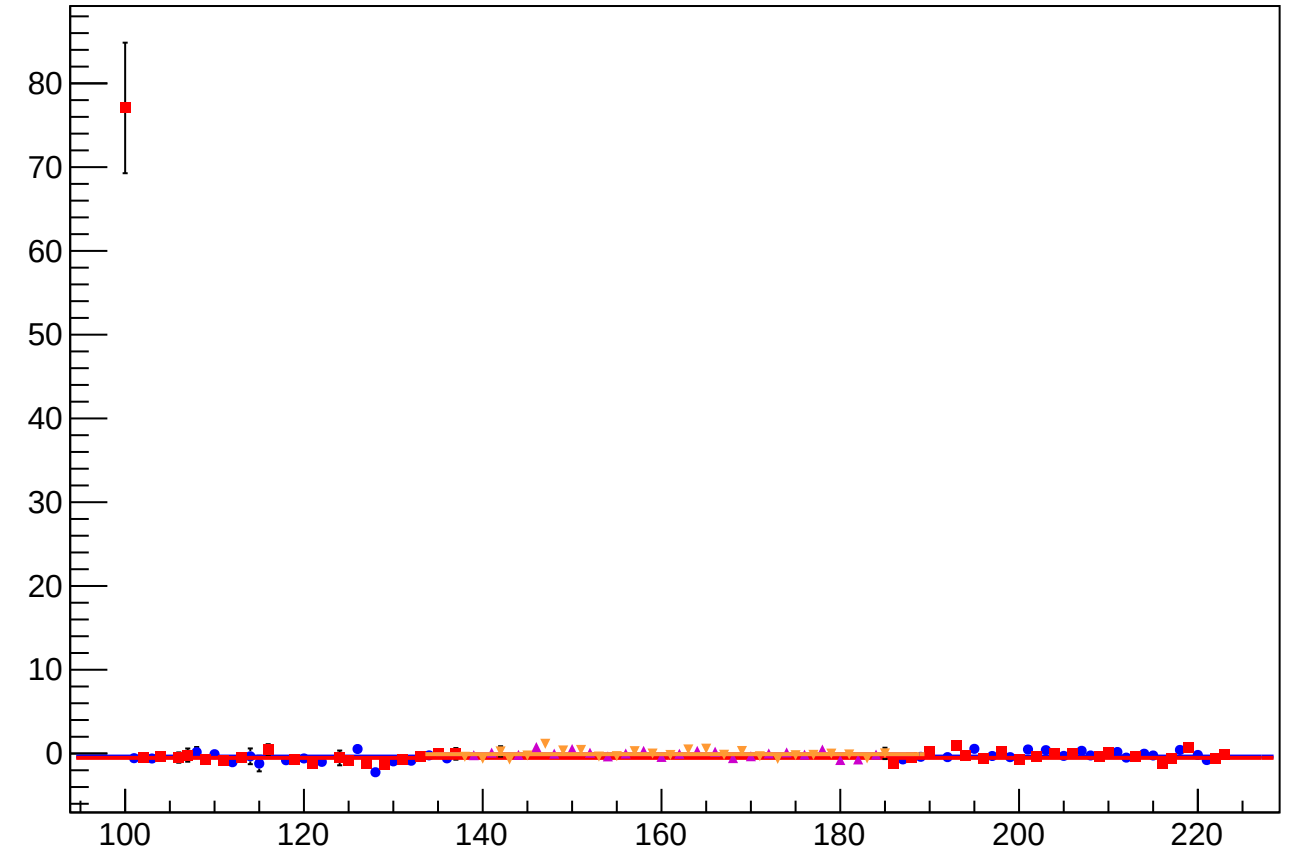
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.171+/-0.057 χ^2/NDF: 193.9/71

In: -0.039+/-0.050 χ^2/NDF:166.0/56

Out: -0.090+/-0.047 χ^2/NDF:132.4/62

All: -0.066+/-0.034 χ^2/NDF: 299.0/119



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

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

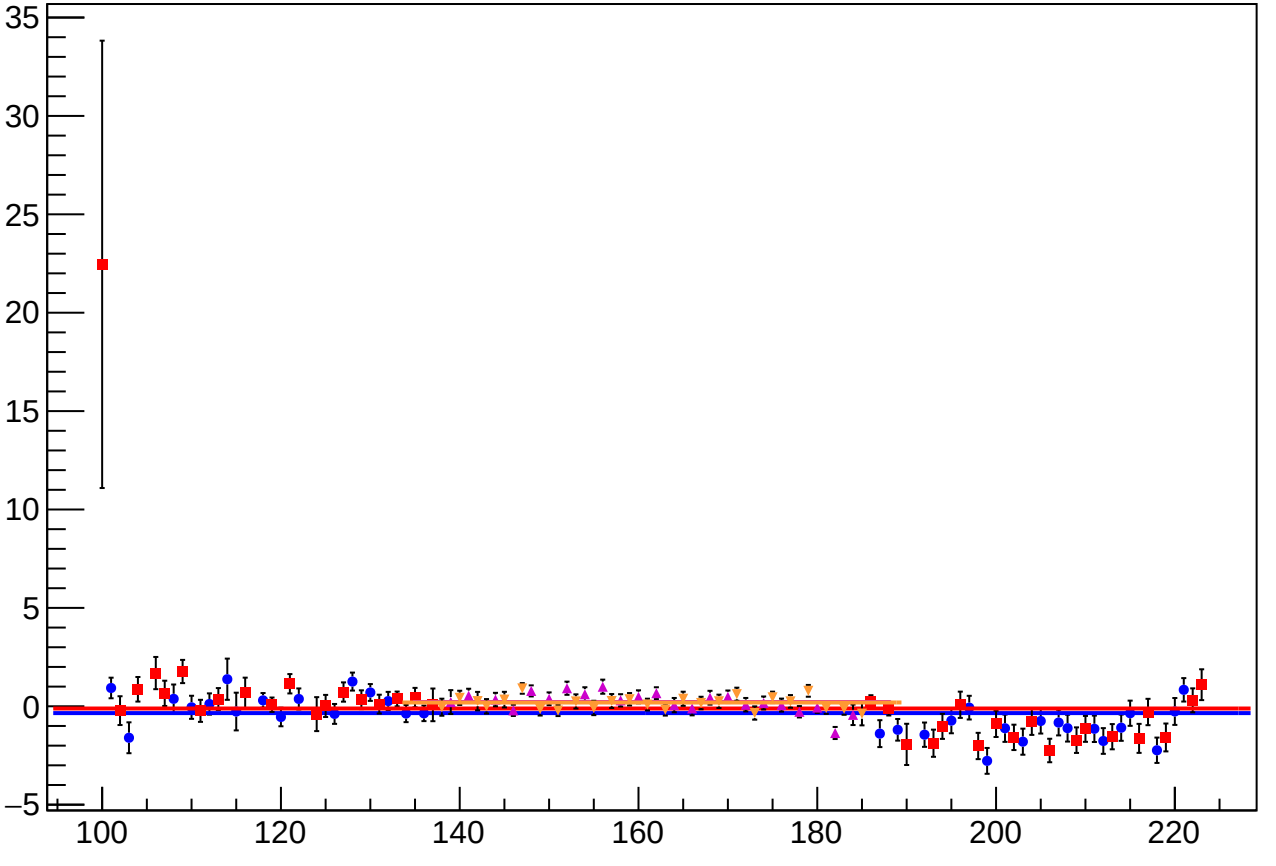
Right: -0.453+/-0.046 χ^2/NDF: 224.1/71

In: -0.238+/-0.052 χ^2/NDF:95.2/56

Out: -0.348+/-0.048 χ^2/NDF:212.5/62

All: -0.298+/-0.035 χ^2/NDF: 310.1/119

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



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

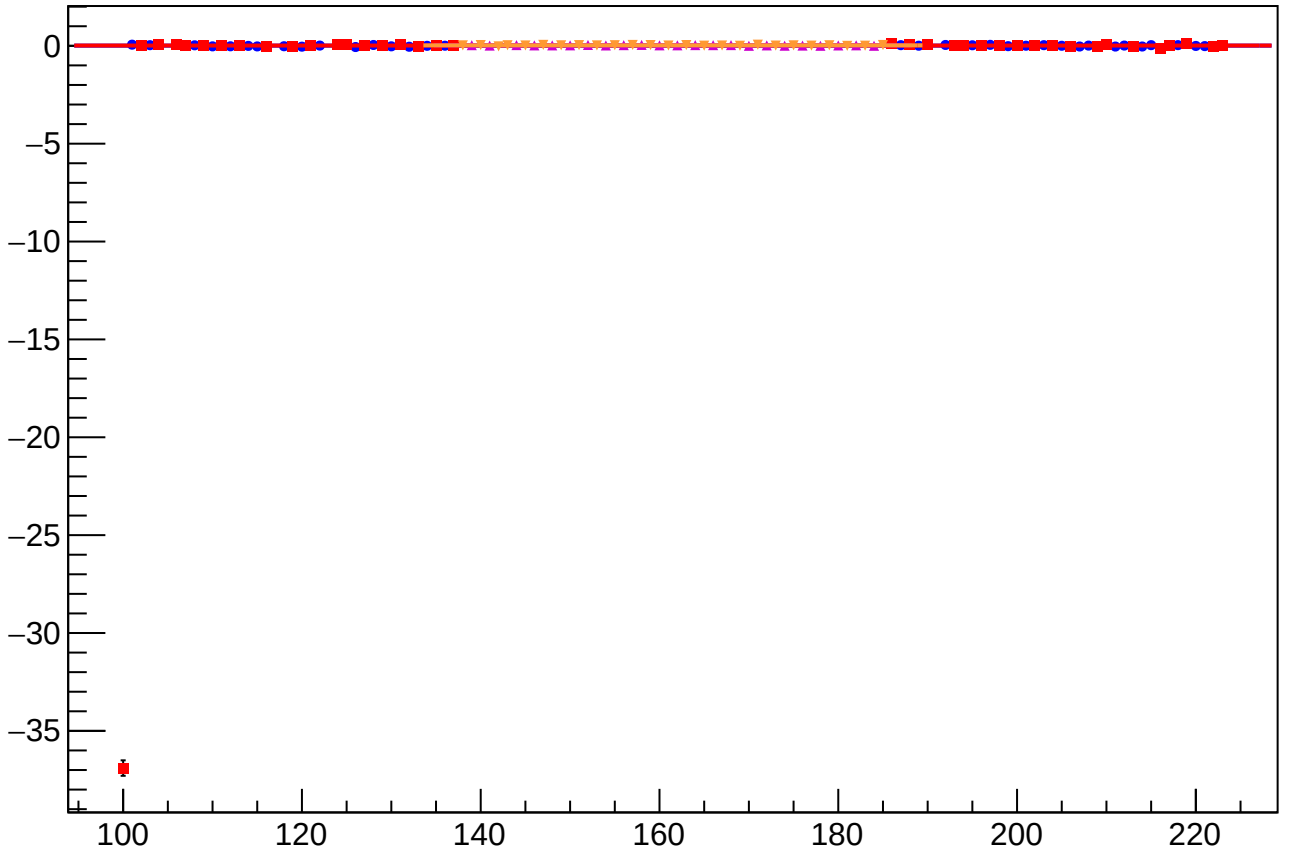
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.224+/-0.067 χ^2/NDF: 196.3/71

In: 0.028+/-0.056 χ^2/NDF:165.5/56

Out: 0.089+/-0.054 χ^2/NDF:137.9/62

All: 0.060+/-0.039 χ^2/NDF: 304.0/119



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

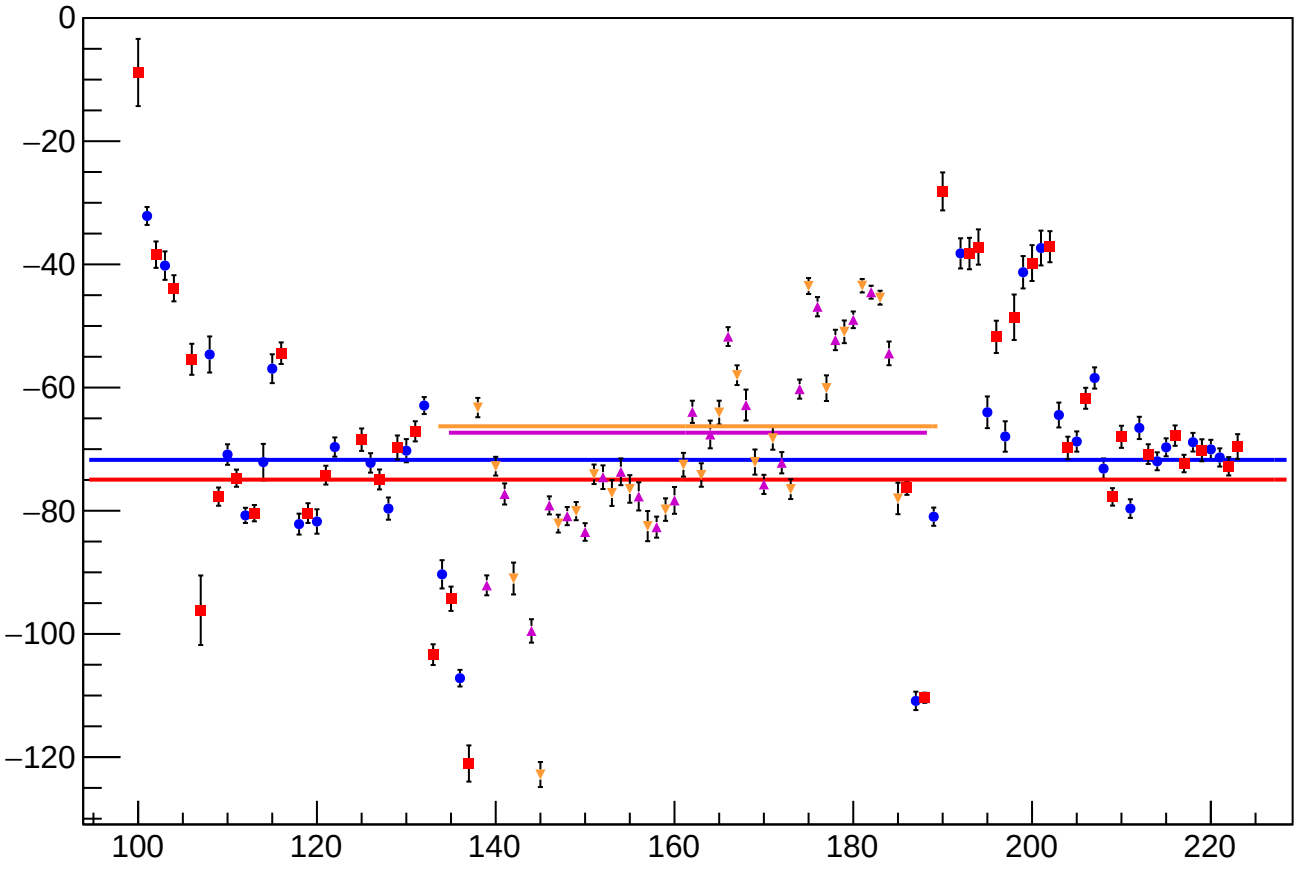
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8839.7/71

In: 0.020+/-0.003 χ^2/NDF:63.0/56

Out: 0.021+/-0.003 χ^2/NDF:8835.0/62

All: 0.020+/-0.002 χ^2/NDF: 8898.1/119



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

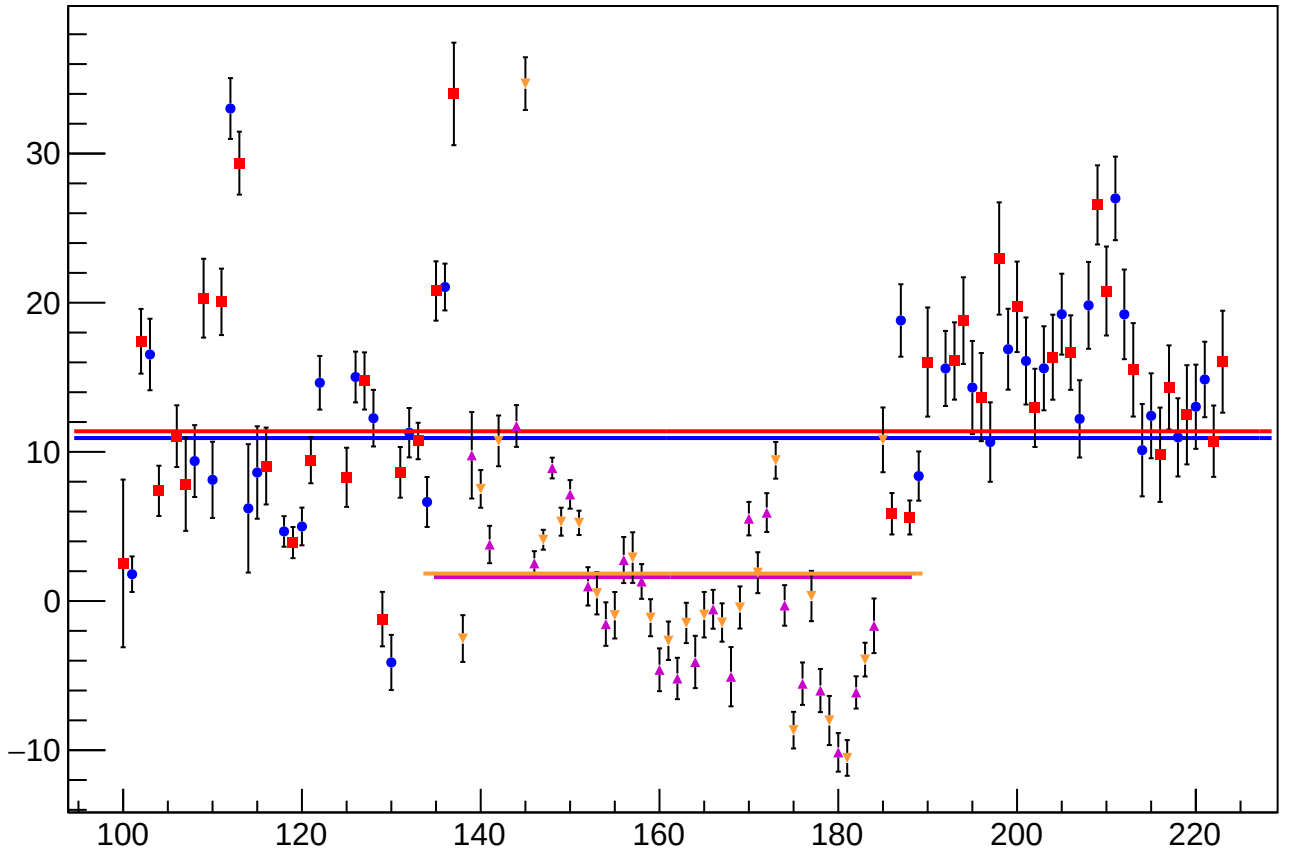
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.405+/-0.206 χ^2/NDF: 7961.3/70

In: -69.863+/-0.225 χ^2/NDF:5457.8/56

Out: -71.409+/-0.220 χ^2/NDF:7564.8/60

All: -70.655+/-0.157 χ^2/NDF: 13046.7/117



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

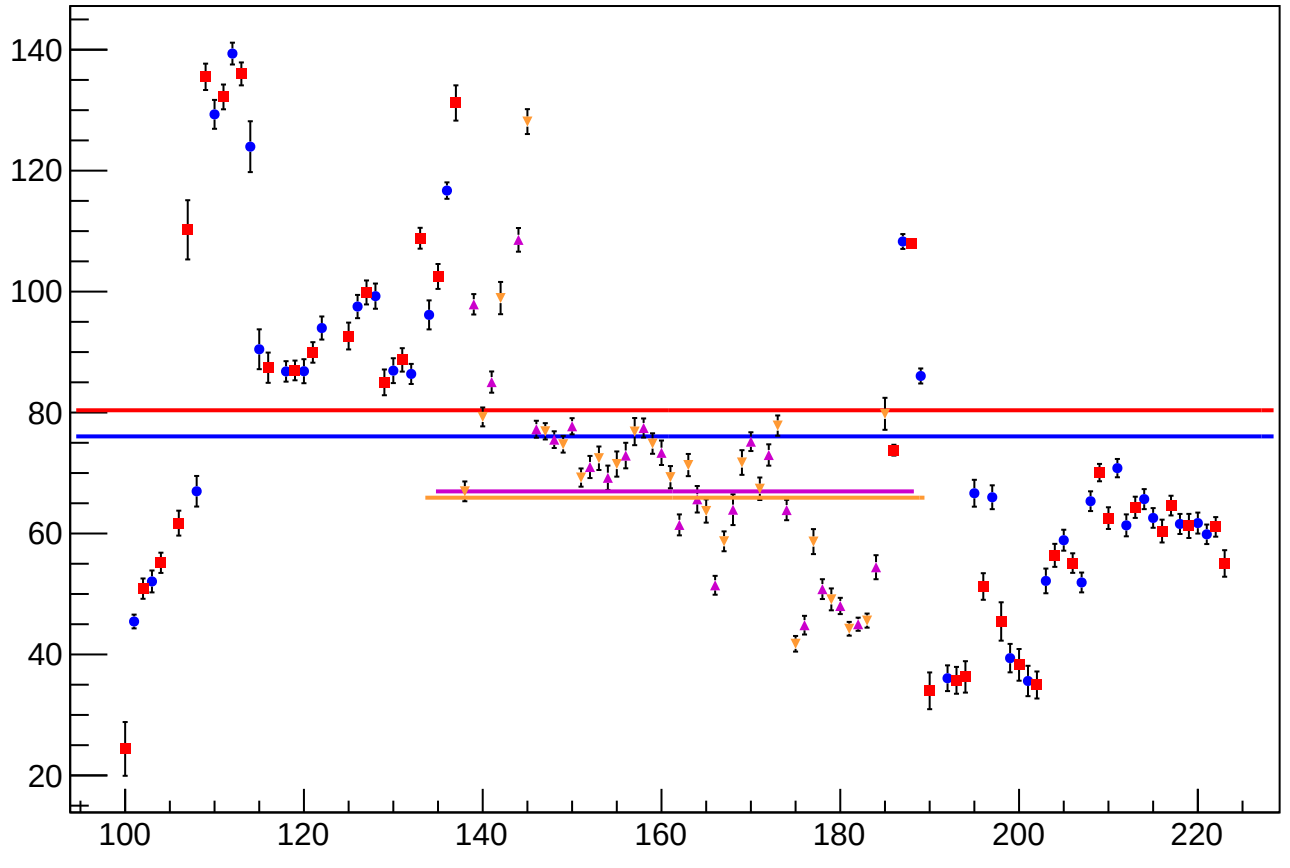
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.157+/-0.245 χ^2/NDF: 878.9/70

In: 4.889+/-0.208 χ^2/NDF:1415.5/56

Out: 5.214+/-0.205 χ^2/NDF:1695.9/60

All: 5.054+/-0.146 χ^2/NDF: 3112.6/117



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

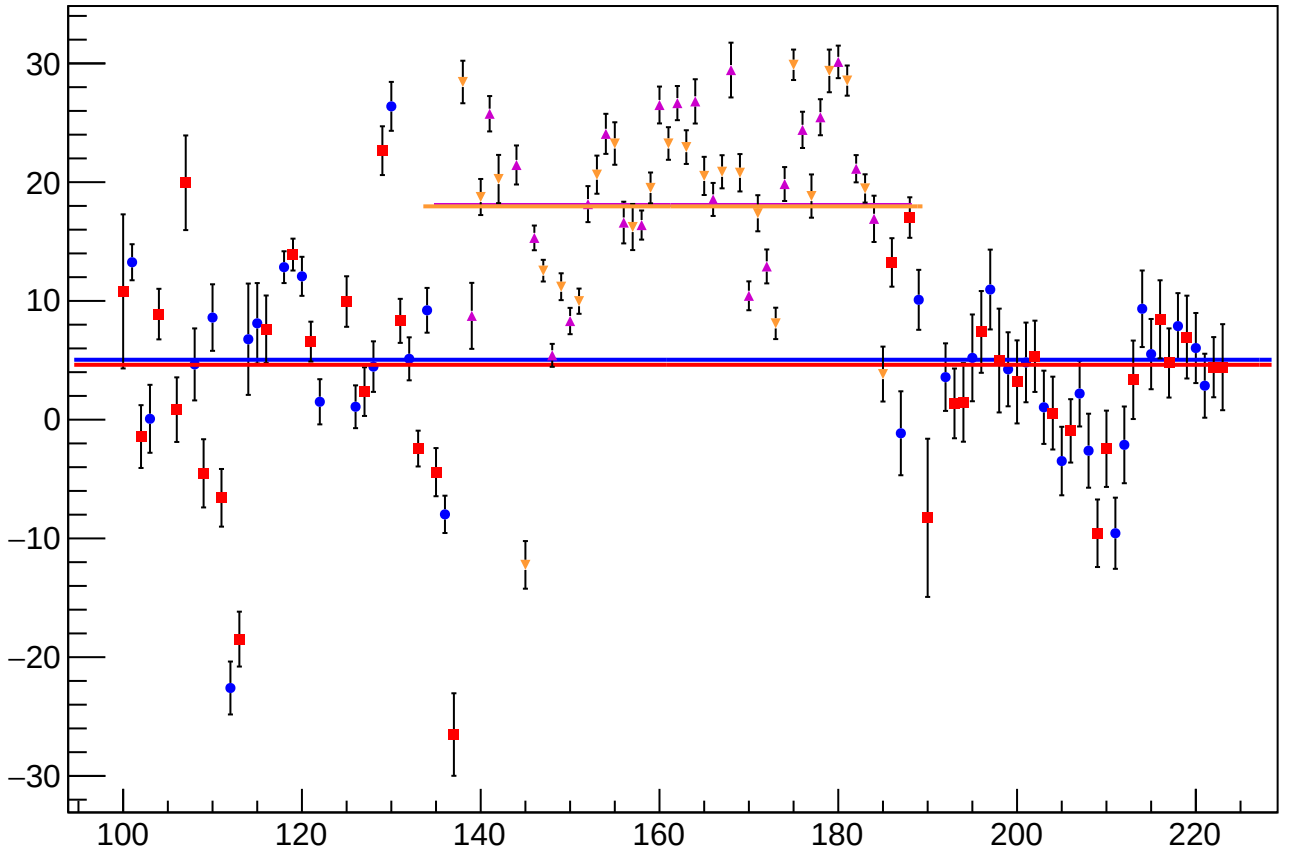
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 78.350+/-0.209 χ^2/NDF: 15633.8/70

In: 72.022+/-0.227 χ^2/NDF:9418.6/56

Out: 74.386+/-0.219 χ^2/NDF:12335.4/60

All: 73.246+/-0.158 χ^2/NDF: 21810.1/117



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

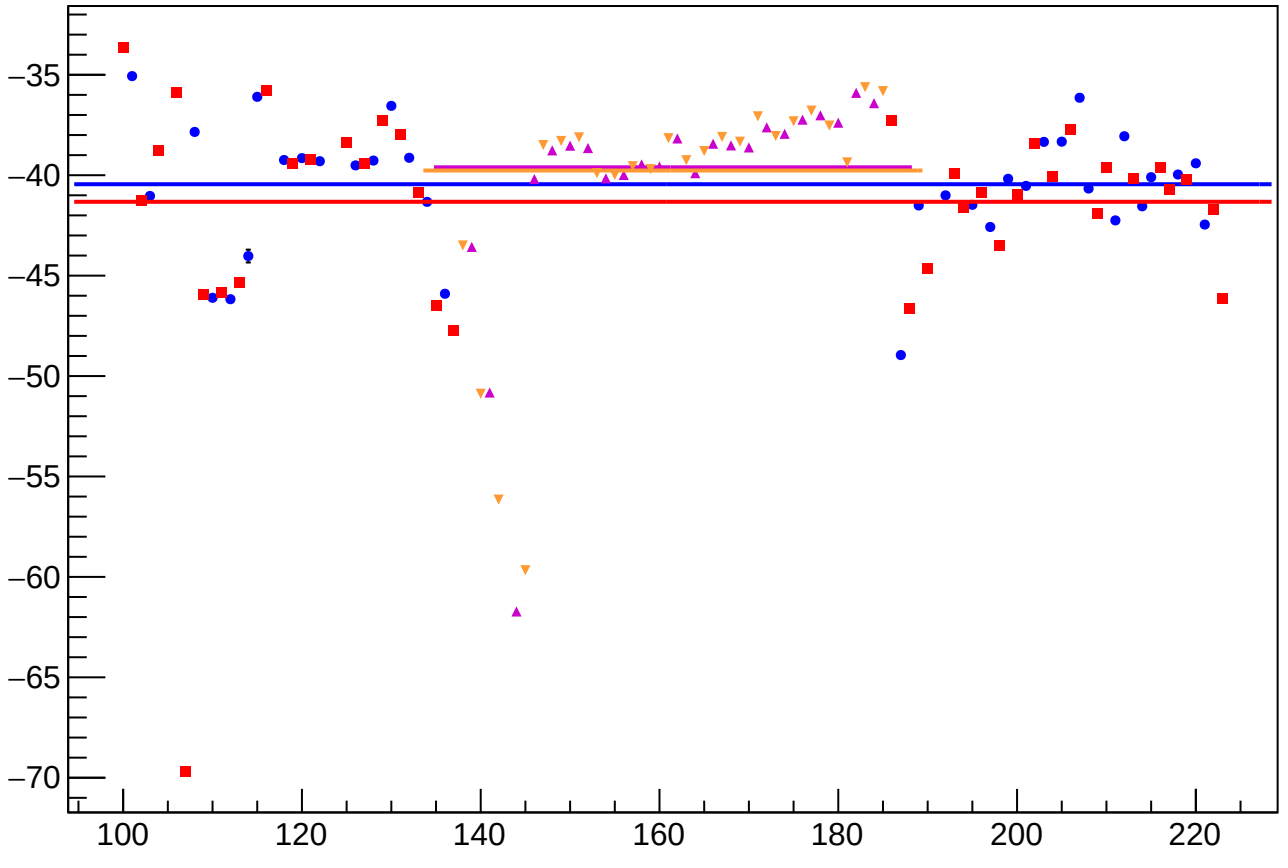
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.834+/-0.287 χ^2/NDF: 1025.3/70

In: 13.582+/-0.239 χ^2/NDF:1769.8/56

Out: 13.411+/-0.237 χ^2/NDF:1978.9/60

All: 13.496+/-0.168 χ^2/NDF: 3748.9/117



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

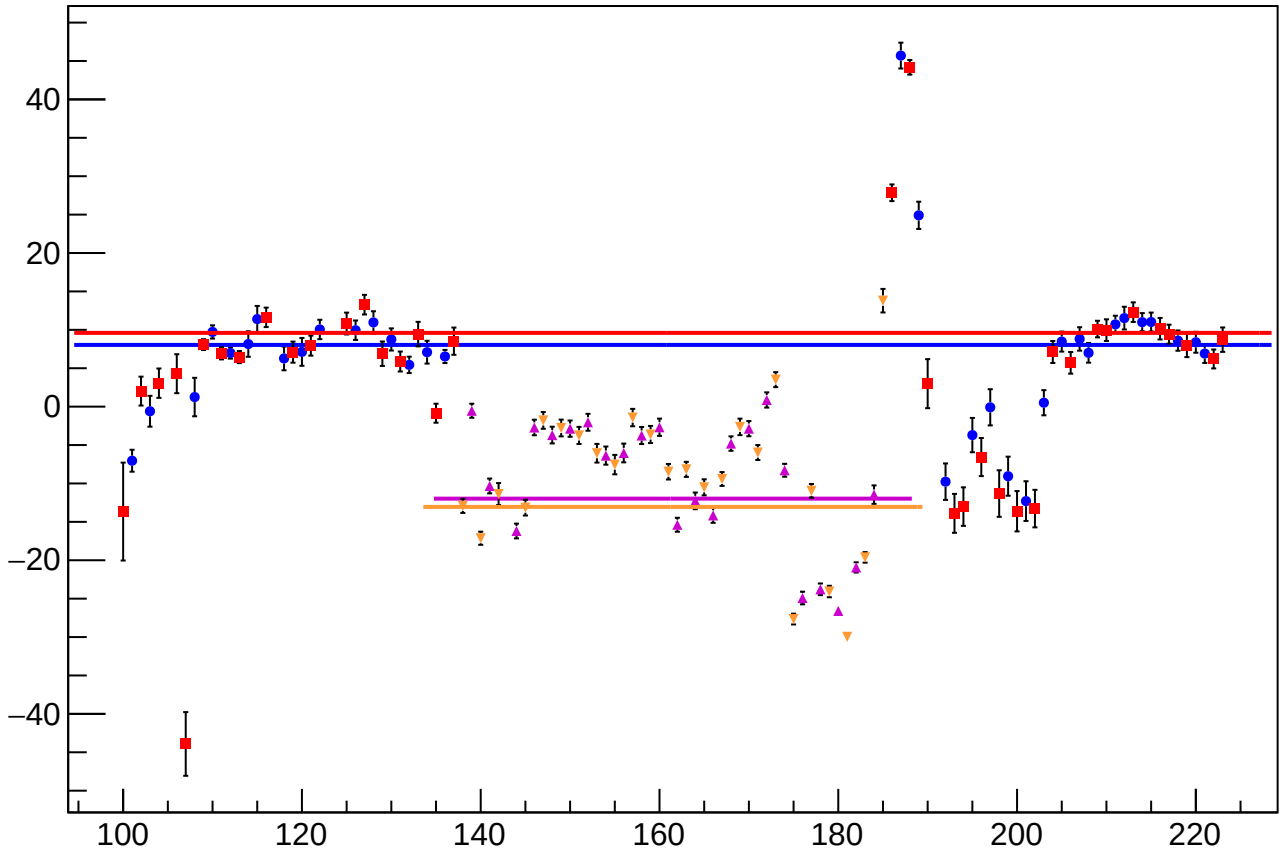
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.883+/-0.014 χ^2/NDF: 69831.2/70

In: -39.862+/-0.011 χ^2/NDF:131376.6/56

Out: -40.239+/-0.011 χ^2/NDF:179335.1/60

All: -40.049+/-0.008 χ^2/NDF: 311280.5/117



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

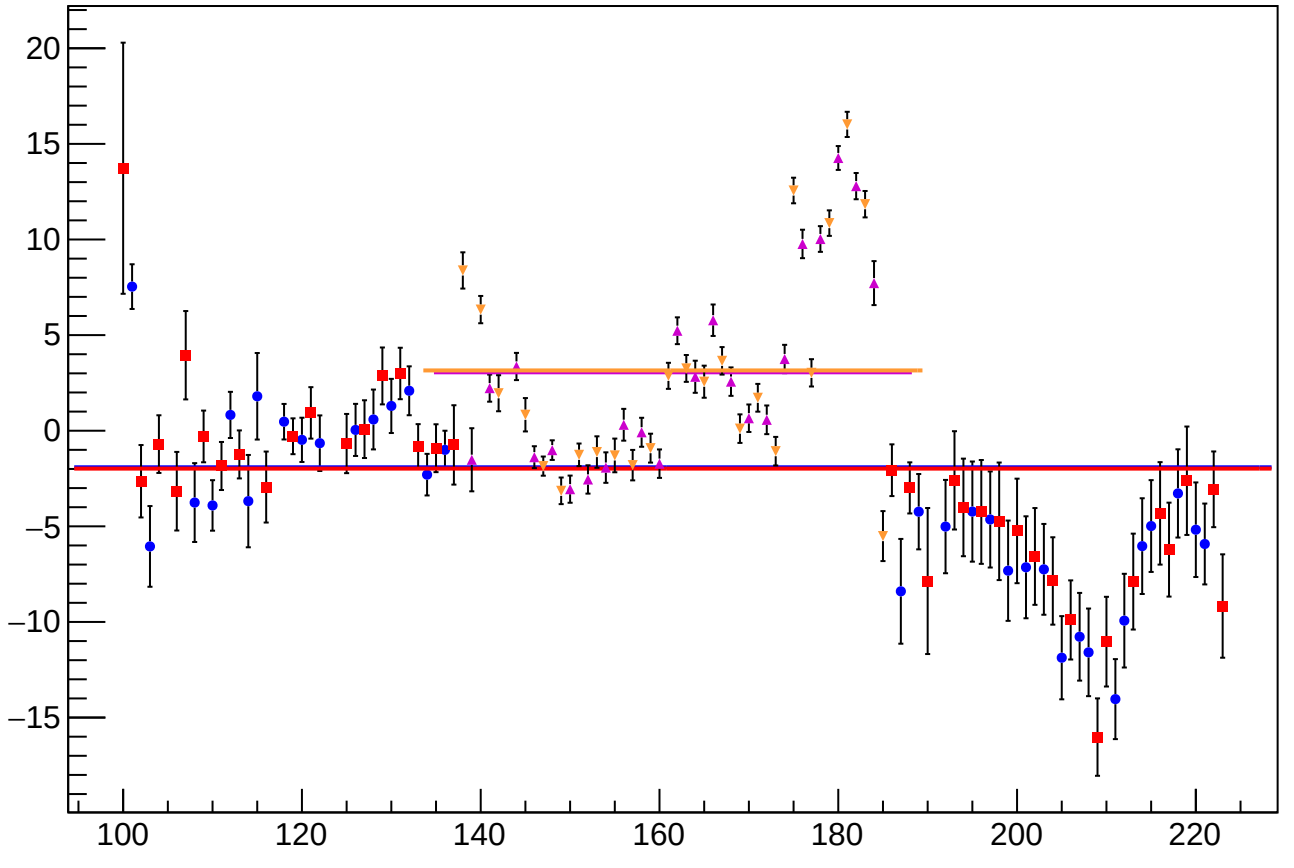
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.849+/-0.162 χ^2/NDF: 3433.8/70

In: -3.711+/-0.150 χ^2/NDF:7515.6/56

Out: -3.444+/-0.146 χ^2/NDF:11128.5/60

All: -3.575+/-0.105 χ^2/NDF: 18645.7/117



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

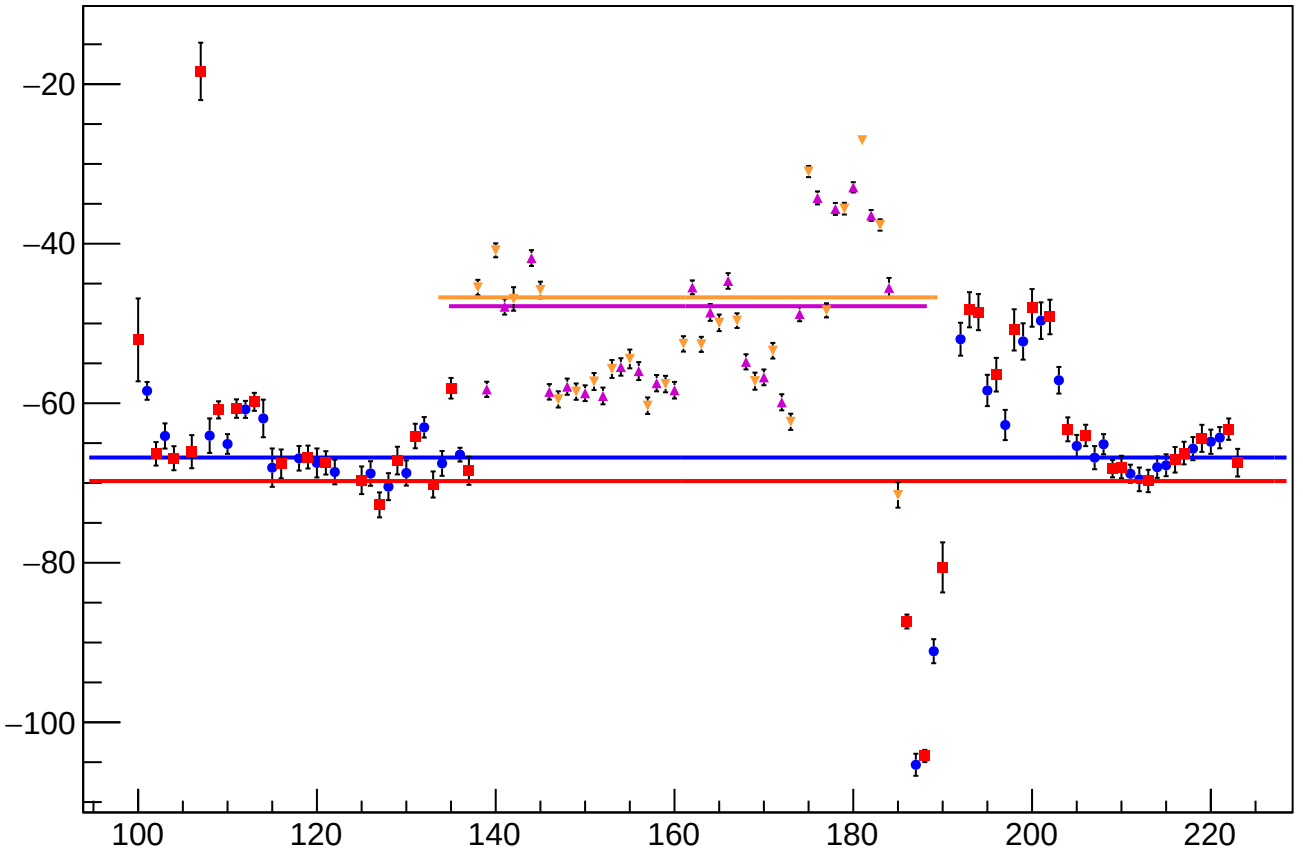
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.947+/-0.202 χ^2/NDF: 405.2/70

In: 1.954+/-0.134 χ^2/NDF:1623.5/56

Out: 2.052+/-0.132 χ^2/NDF:1802.6/60

All: 2.004+/-0.094 χ^2/NDF: 3426.3/117



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

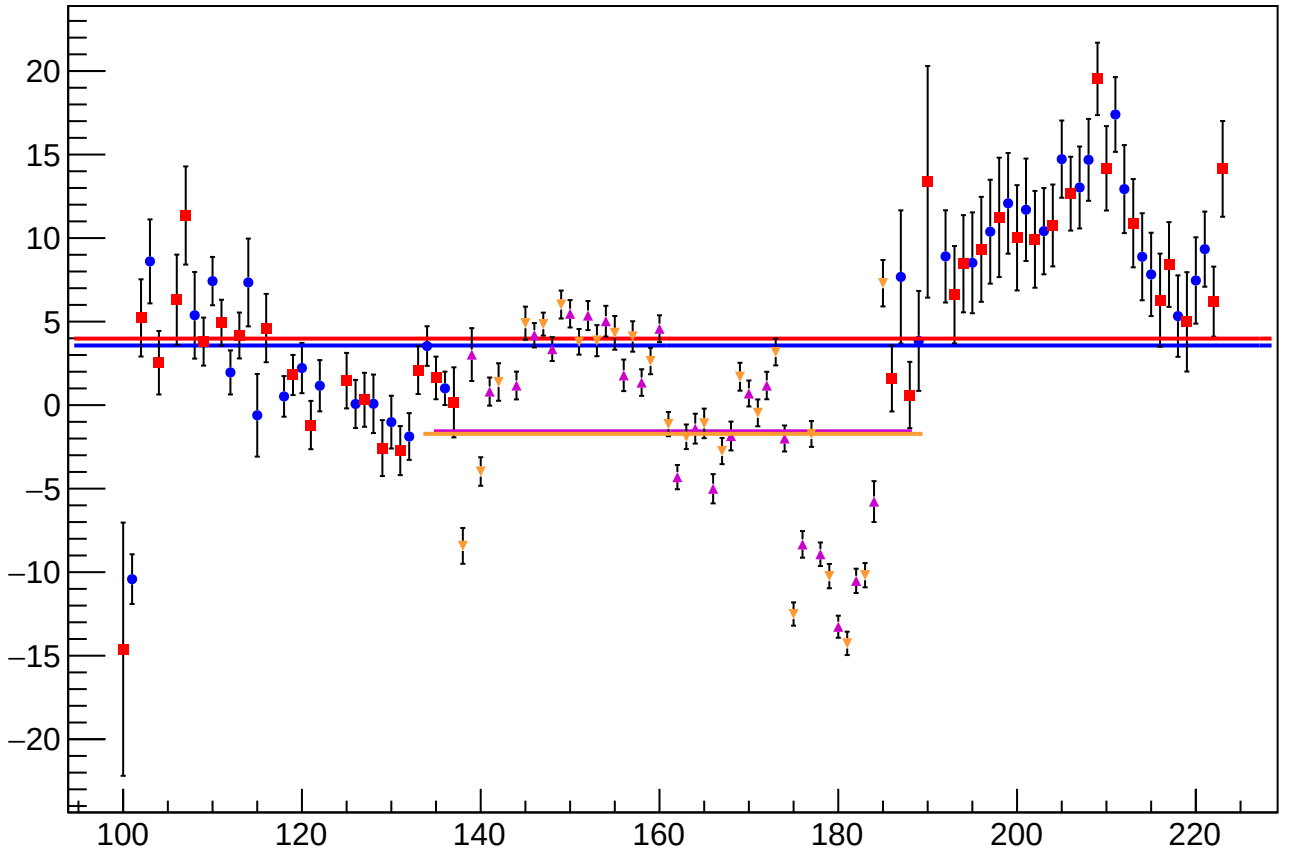
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.328+/-0.175 χ^2/NDF: 4971.9/70

In: -54.922+/-0.153 χ^2/NDF:7511.5/56

Out: -55.557+/-0.150 χ^2/NDF:12514.7/60

All: -55.246+/-0.107 χ^2/NDF: 20034.9/117



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

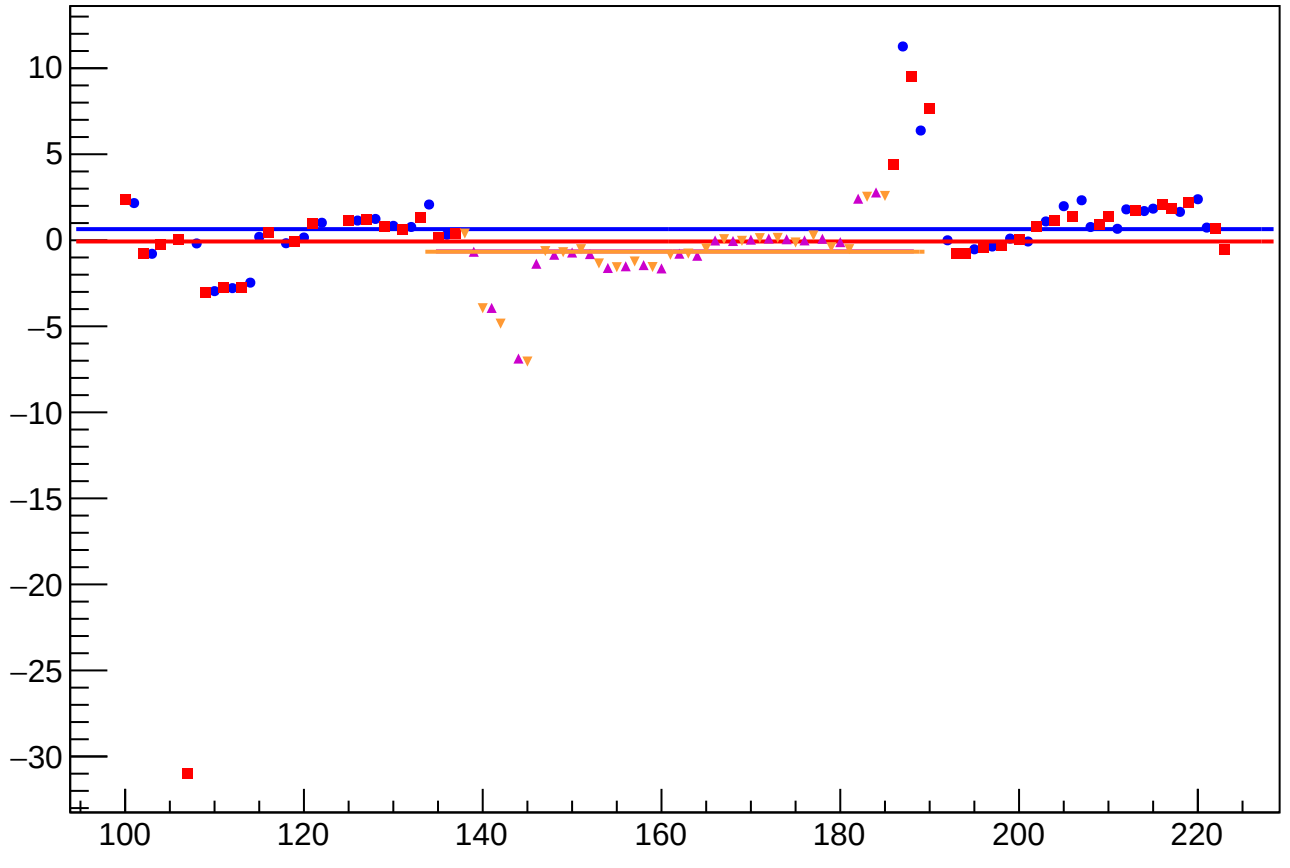
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.774+/-0.229 χ^2/NDF: 538.9/70

In: -0.439+/-0.151 χ^2/NDF:1632.7/56

Out: -0.527+/-0.149 χ^2/NDF:1869.3/60

All: -0.483+/-0.106 χ^2/NDF: 3502.2/117



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

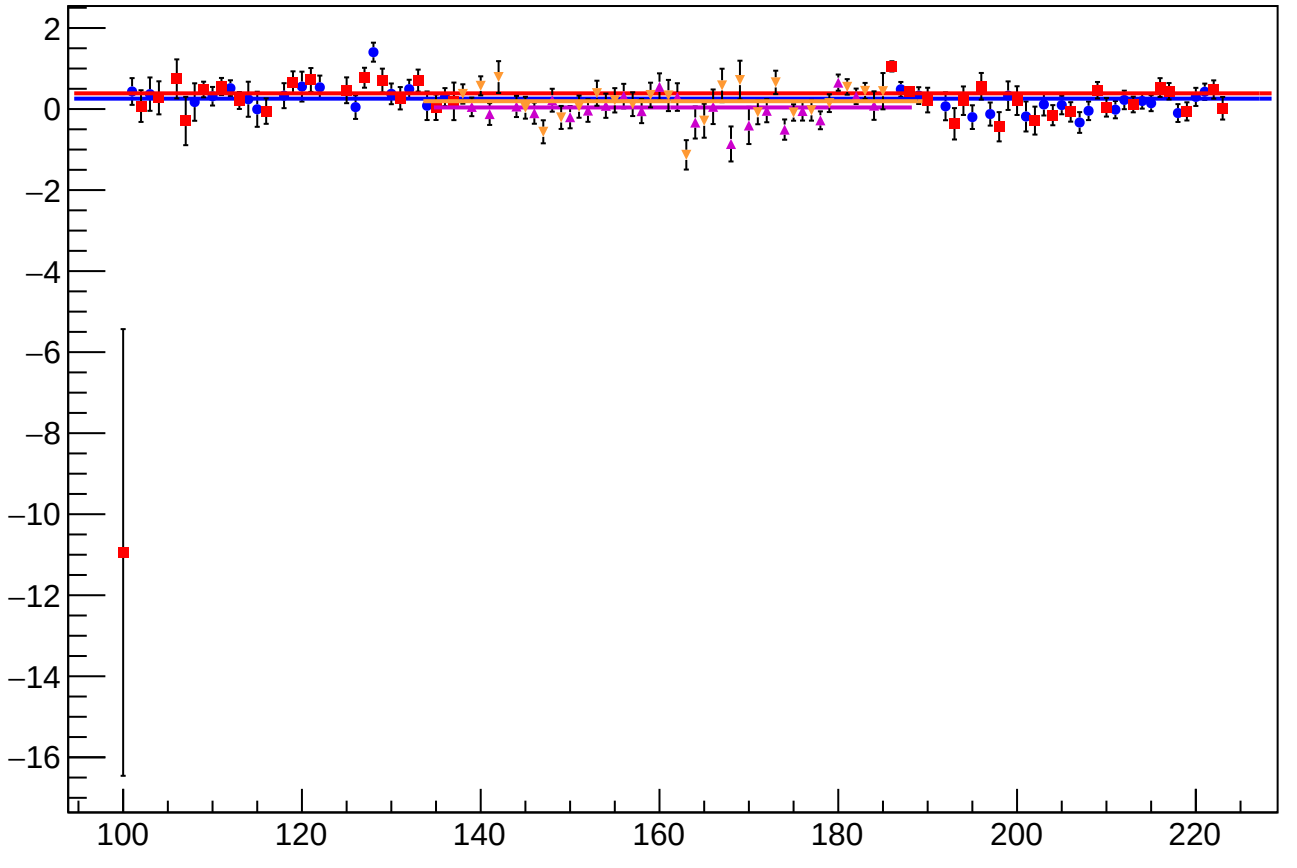
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.298+/-0.012 χ^2/NDF: 73493.3/70

In: -0.418+/-0.007 χ^2/NDF:61474.9/56

Out: -0.566+/-0.007 χ^2/NDF:118162.6/60

All: -0.492+/-0.005 χ^2/NDF: 179870.5/117



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

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

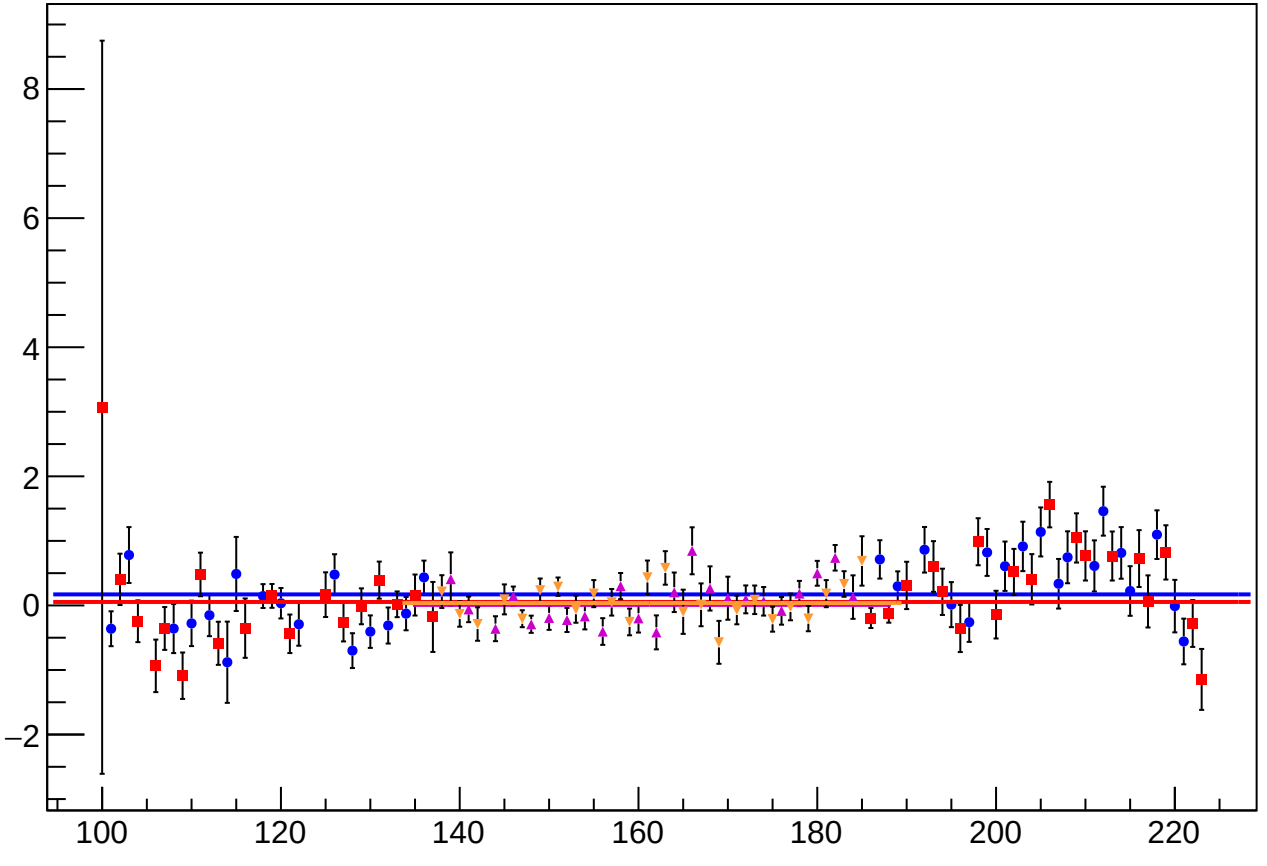
Right: 0.327+/-0.030 χ^2/NDF: 135.9/70

In: 0.177+/-0.035 χ^2/NDF:90.6/56

Out: 0.323+/-0.033 χ^2/NDF:131.9/60

All: 0.254+/-0.024 χ^2/NDF: 231.8/117

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

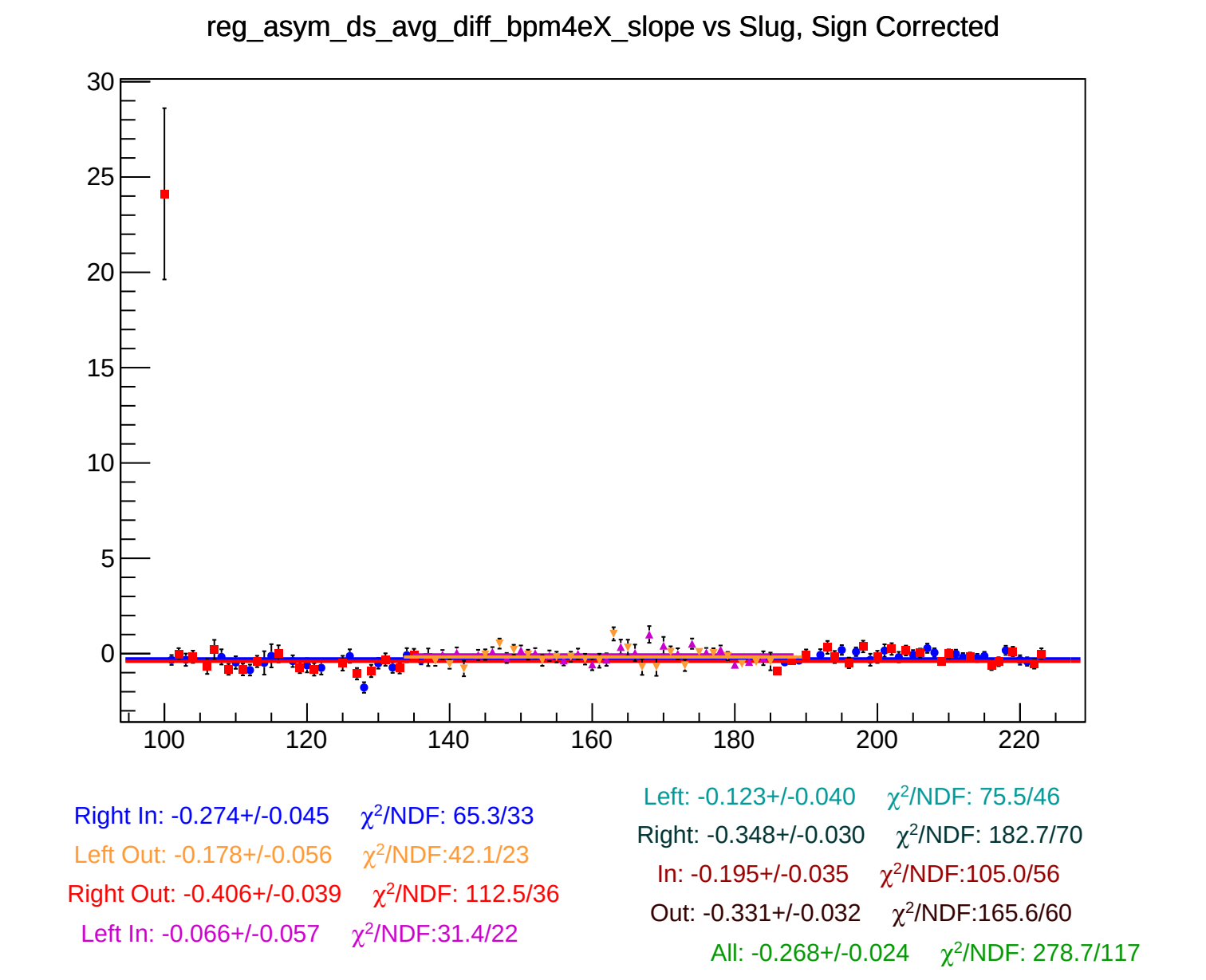
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

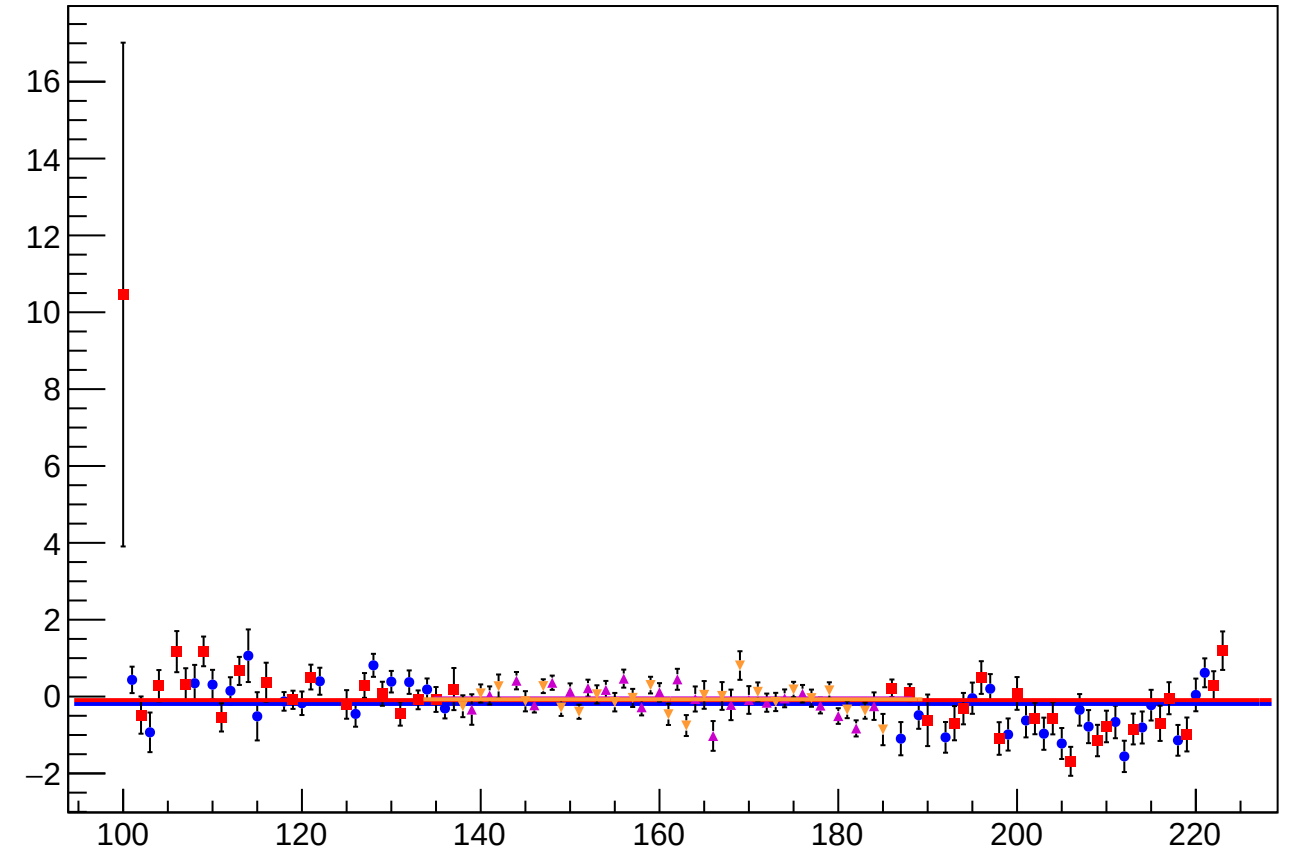
Right: 0.108+/-0.037 χ^2/NDF: 186.4/70

In: 0.073+/-0.034 χ^2/NDF:147.0/56

Out: 0.045+/-0.033 χ^2/NDF:126.5/60

All: 0.058+/-0.024 χ^2/NDF: 273.9/117


reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
100
120
140
160
180
200
220
Right In: -0.274+/-0.045 χ2/NDF: 65.3/33
Left Out: -0.178+/-0.056 χ2/NDF:42.1/23
Right Out: -0.406+/-0.039 χ2/NDF: 112.5/36
Left In: -0.066+/-0.057 χ2/NDF:31.4/22
Left: -0.123+/-0.040 χ2/NDF: 75.5/46
Right: -0.348+/-0.030 χ2/NDF: 182.7/70
In: -0.195+/-0.035 χ2/NDF:105.0/56
Out: -0.331+/-0.032 χ2/NDF:165.6/60
All: -0.268+/-0.024 χ2/NDF: 278.7/117



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

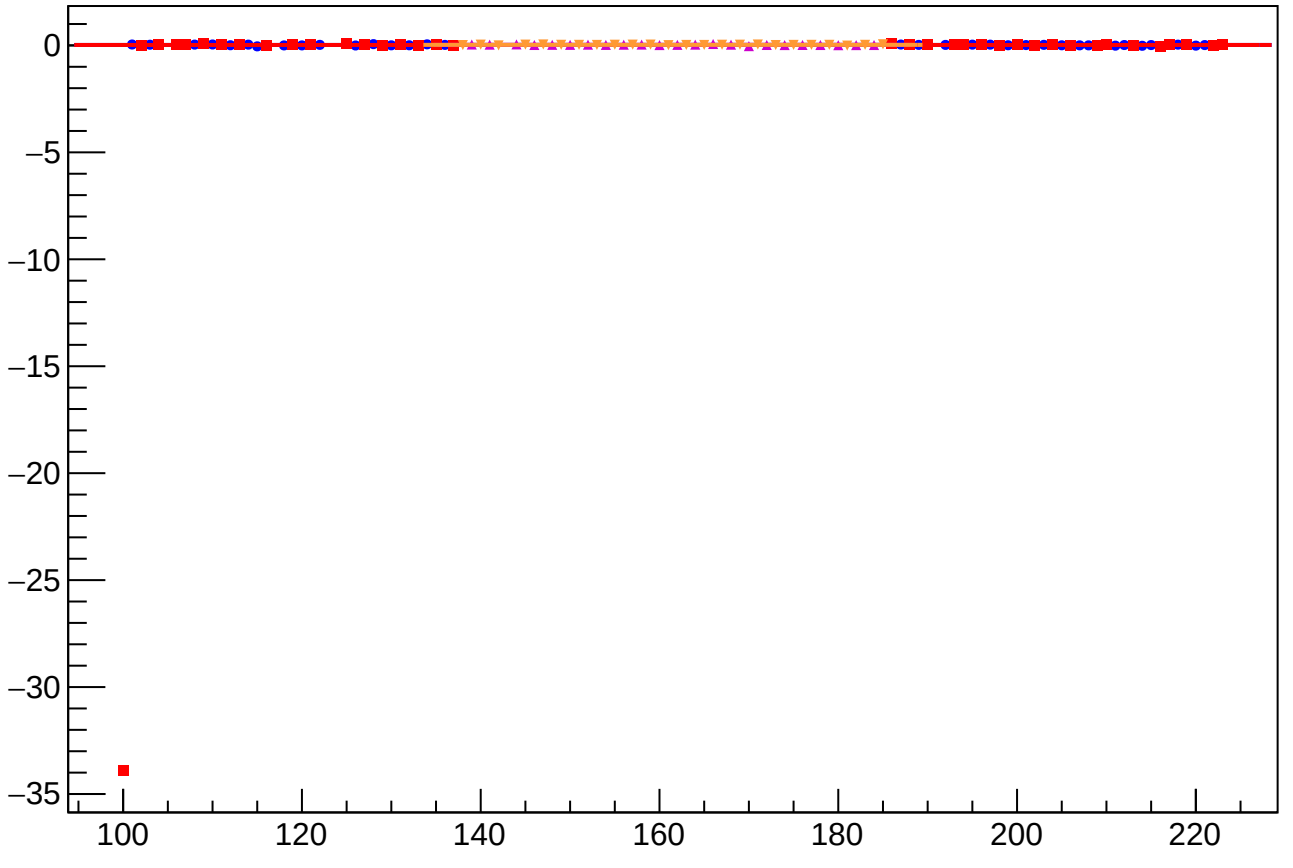
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.140+/-0.044 χ^2/NDF: 185.8/70

In: -0.103+/-0.039 χ^2/NDF:143.7/56

Out: -0.080+/-0.038 χ^2/NDF:132.3/60

All: -0.091+/-0.027 χ^2/NDF: 276.2/117



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

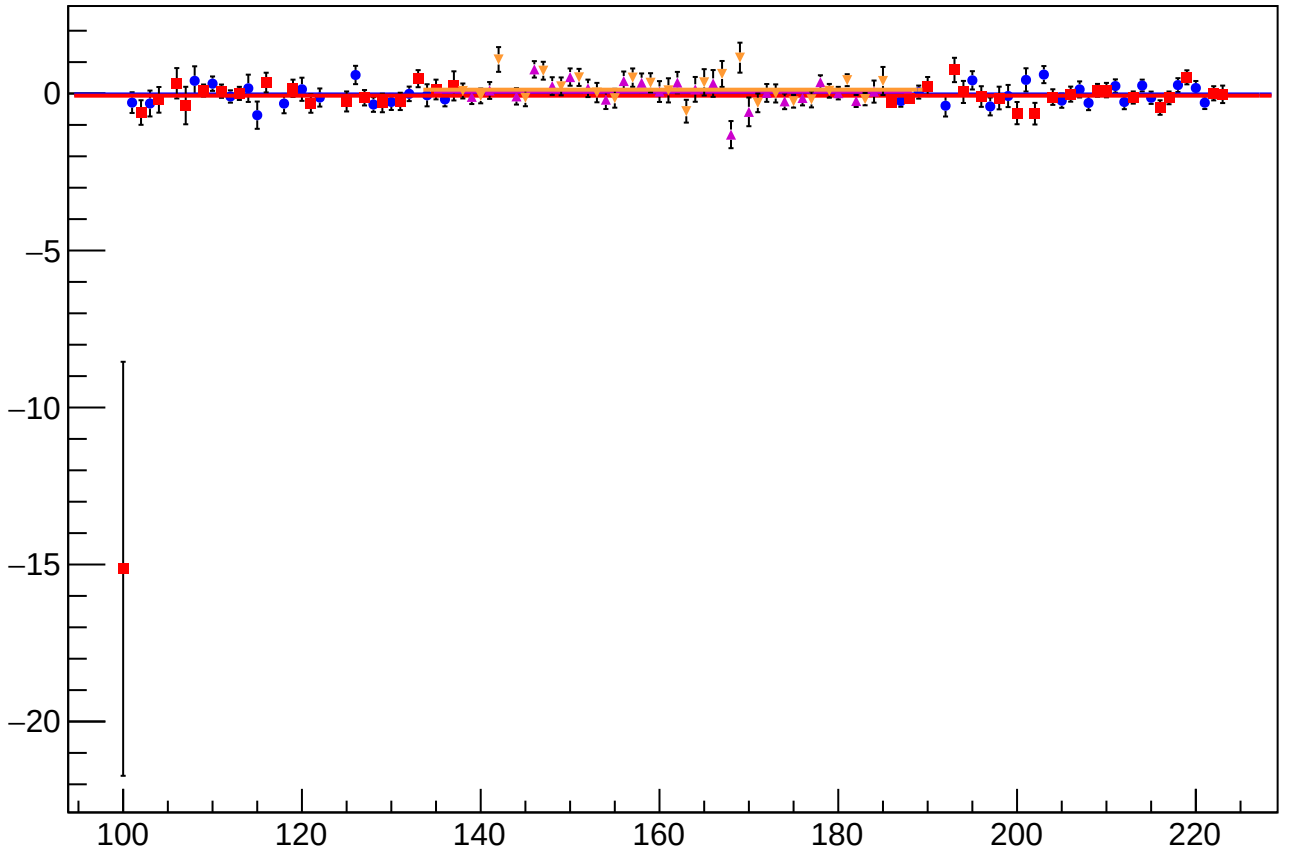
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.021+/-0.002 χ^2/NDF: 22362.9/70

In: 0.024+/-0.002 χ^2/NDF:73.4/56

Out: 0.024+/-0.002 χ^2/NDF:22364.8/60

All: 0.024+/-0.001 χ^2/NDF: 22438.2/117



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

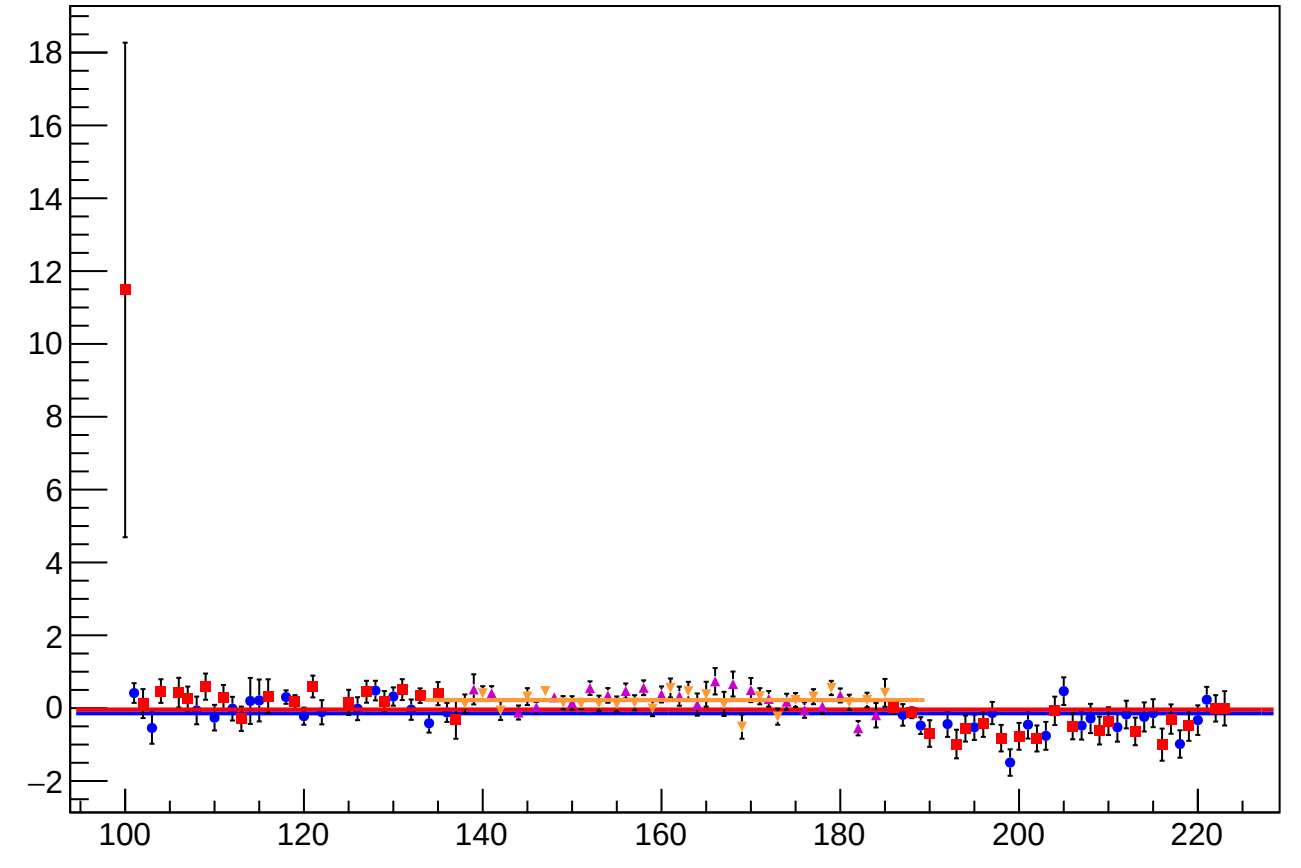
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.050+/-0.030 χ^2/NDF: 87.1/70

In: 0.004+/-0.035 χ^2/NDF:77.6/56

Out: -0.005+/-0.033 χ^2/NDF:92.1/60

All: -0.000+/-0.024 χ^2/NDF: 169.8/117



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

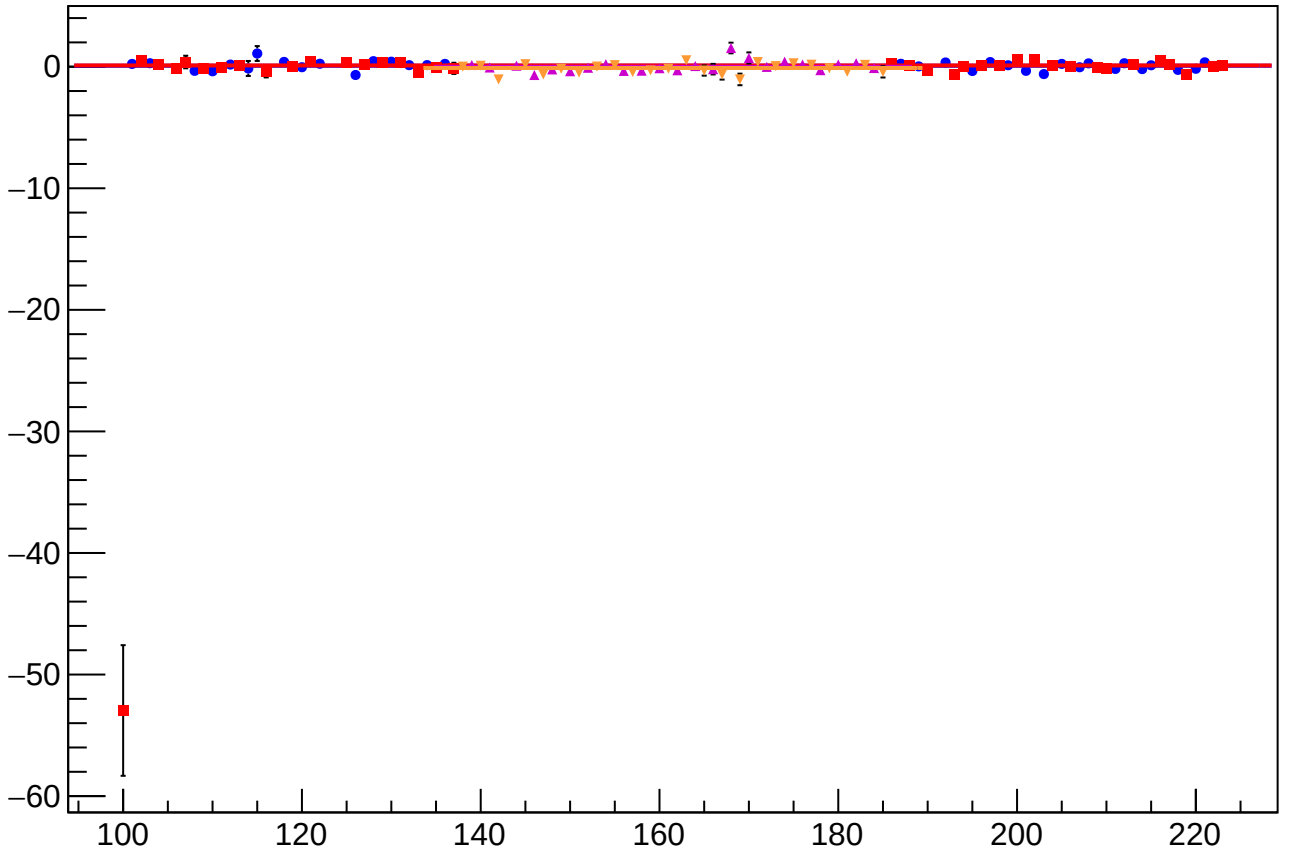
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.085+/-0.037 χ^2/NDF: 127.5/70

In: 0.078+/-0.034 χ^2/NDF:120.1/56

Out: 0.115+/-0.033 χ^2/NDF:110.8/60

All: 0.097+/-0.024 χ^2/NDF: 231.5/117



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

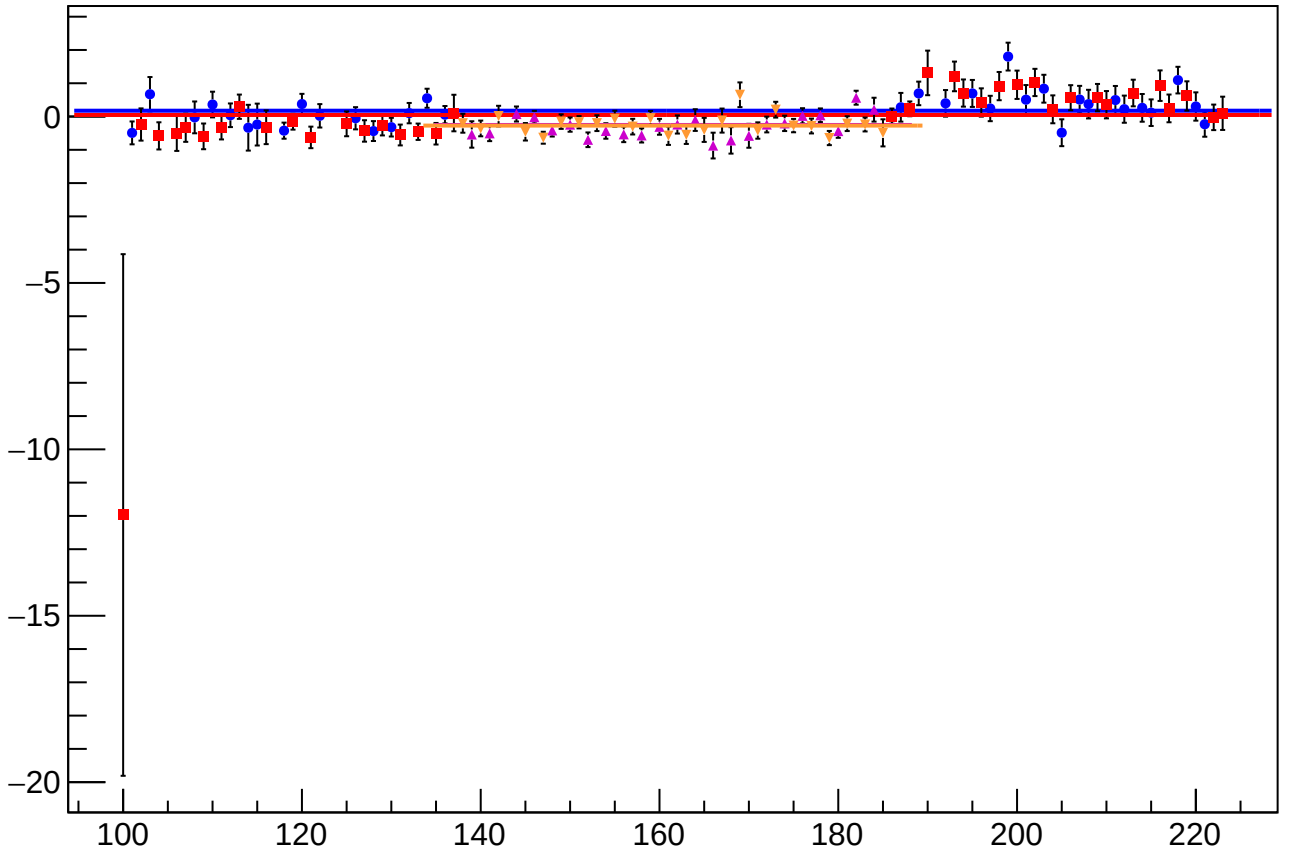
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.093+/-0.030 χ^2/NDF: 176.9/70

In: 0.046+/-0.035 χ^2/NDF:80.5/56

Out: 0.035+/-0.032 χ^2/NDF:182.5/60

All: 0.040+/-0.024 χ^2/NDF: 263.1/117



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

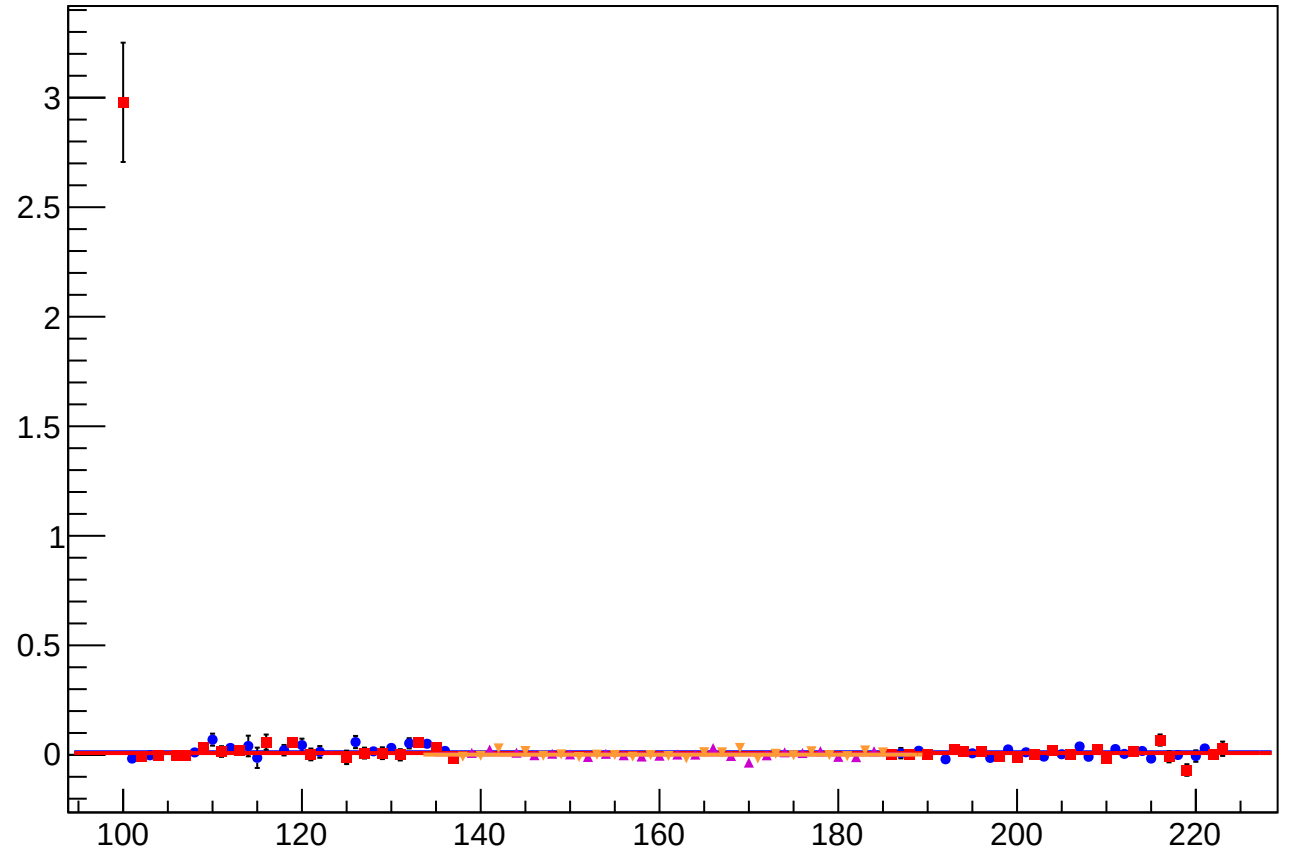
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.108+/-0.044 χ^2/NDF: 130.8/70

In: -0.088+/-0.039 χ^2/NDF:124.8/56

Out: -0.145+/-0.038 χ^2/NDF:114.2/60

All: -0.117+/-0.027 χ^2/NDF: 240.1/117



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

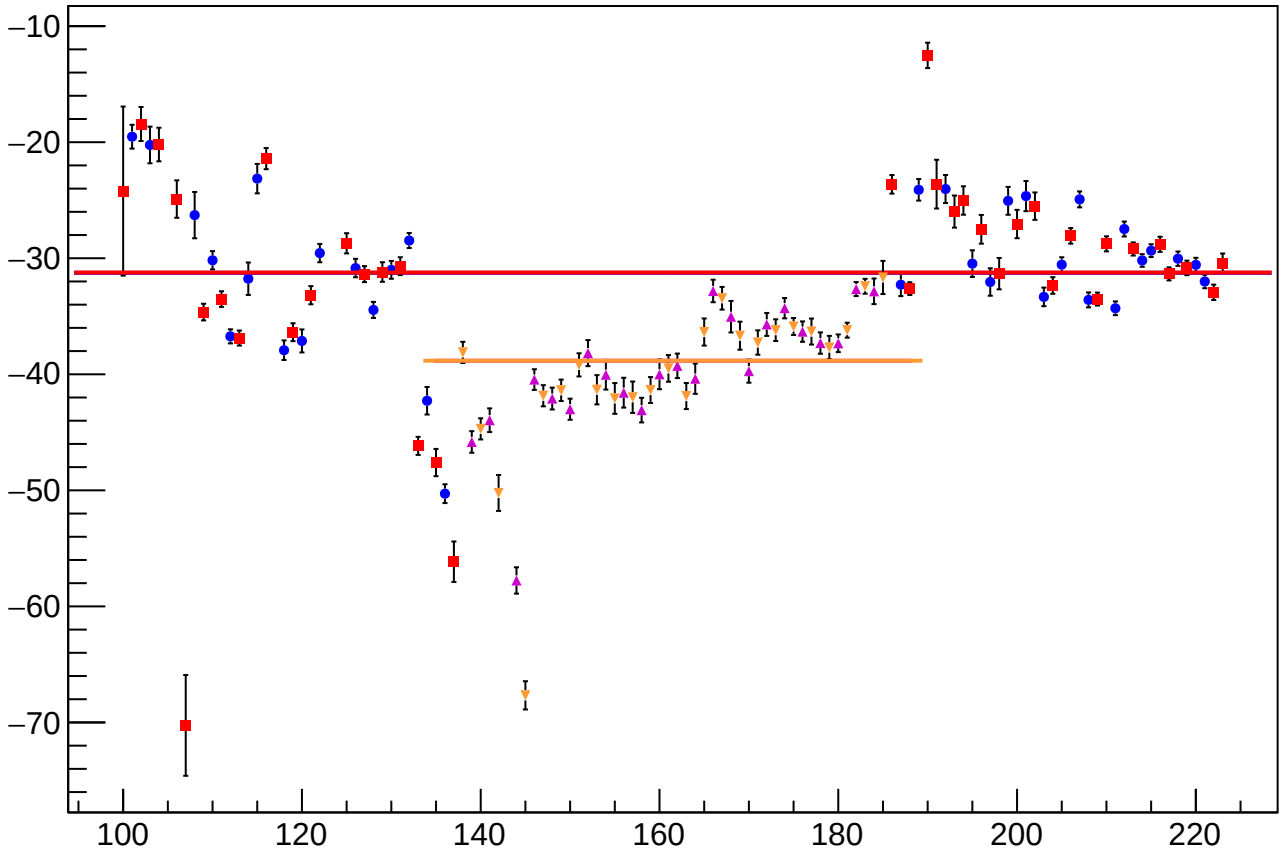
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.010+/-0.002 χ^2/NDF: 216.3/70

In: 0.006+/-0.002 χ^2/NDF:79.7/56

Out: 0.004+/-0.002 χ^2/NDF:197.7/60

All: 0.005+/-0.001 χ^2/NDF: 278.0/117



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

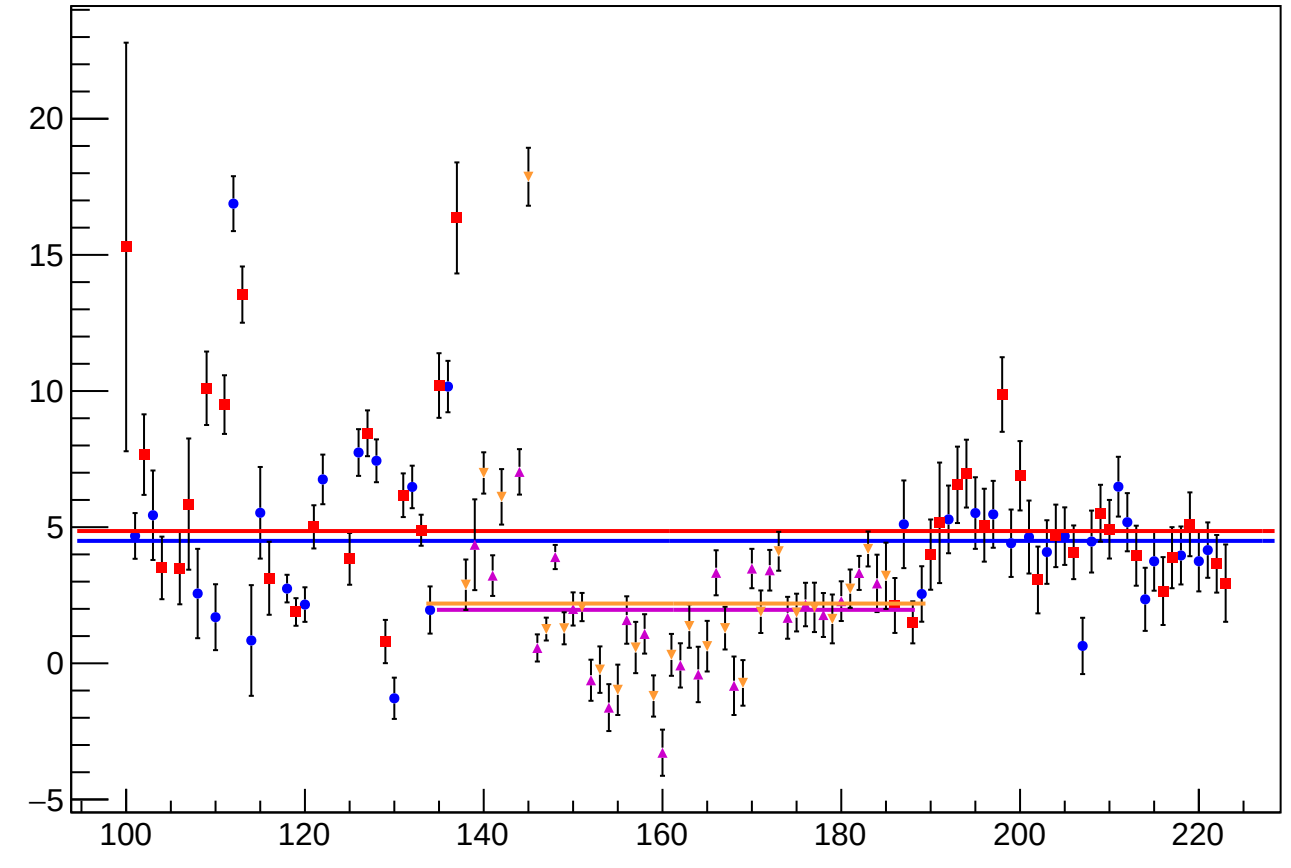
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.245+/-0.095 χ^2/NDF: 3288.5/71

In: -33.559+/-0.112 χ^2/NDF:3048.6/56

Out: -33.543+/-0.111 χ^2/NDF:3760.8/61

All: -33.551+/-0.079 χ^2/NDF: 6809.4/118



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

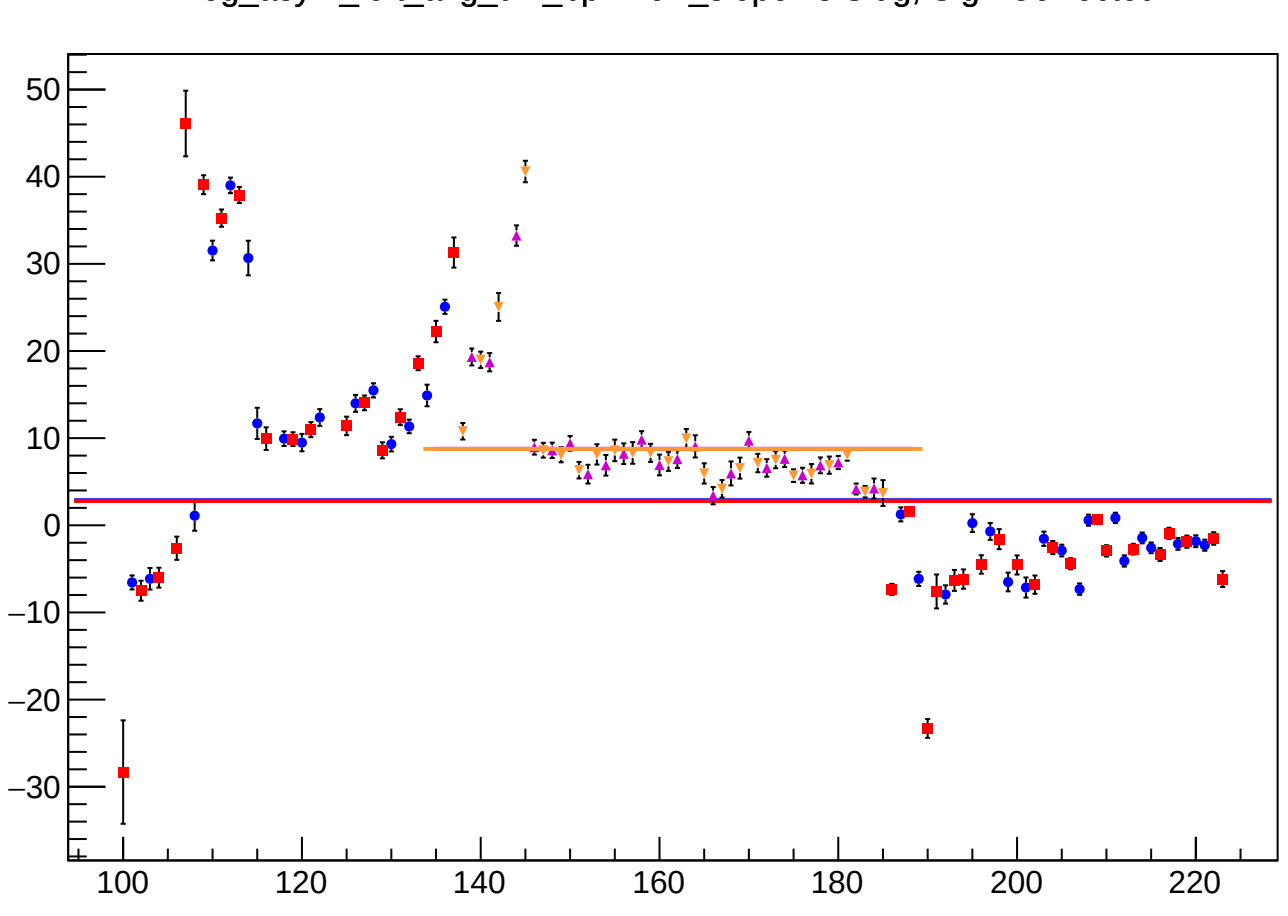
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.678+/-0.120 χ^2/NDF: 667.8/71

In: 3.111+/-0.114 χ^2/NDF:653.3/56

Out: 3.387+/-0.113 χ^2/NDF:808.8/61

All: 3.250+/-0.080 χ^2/NDF: 1465.1/118



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

Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

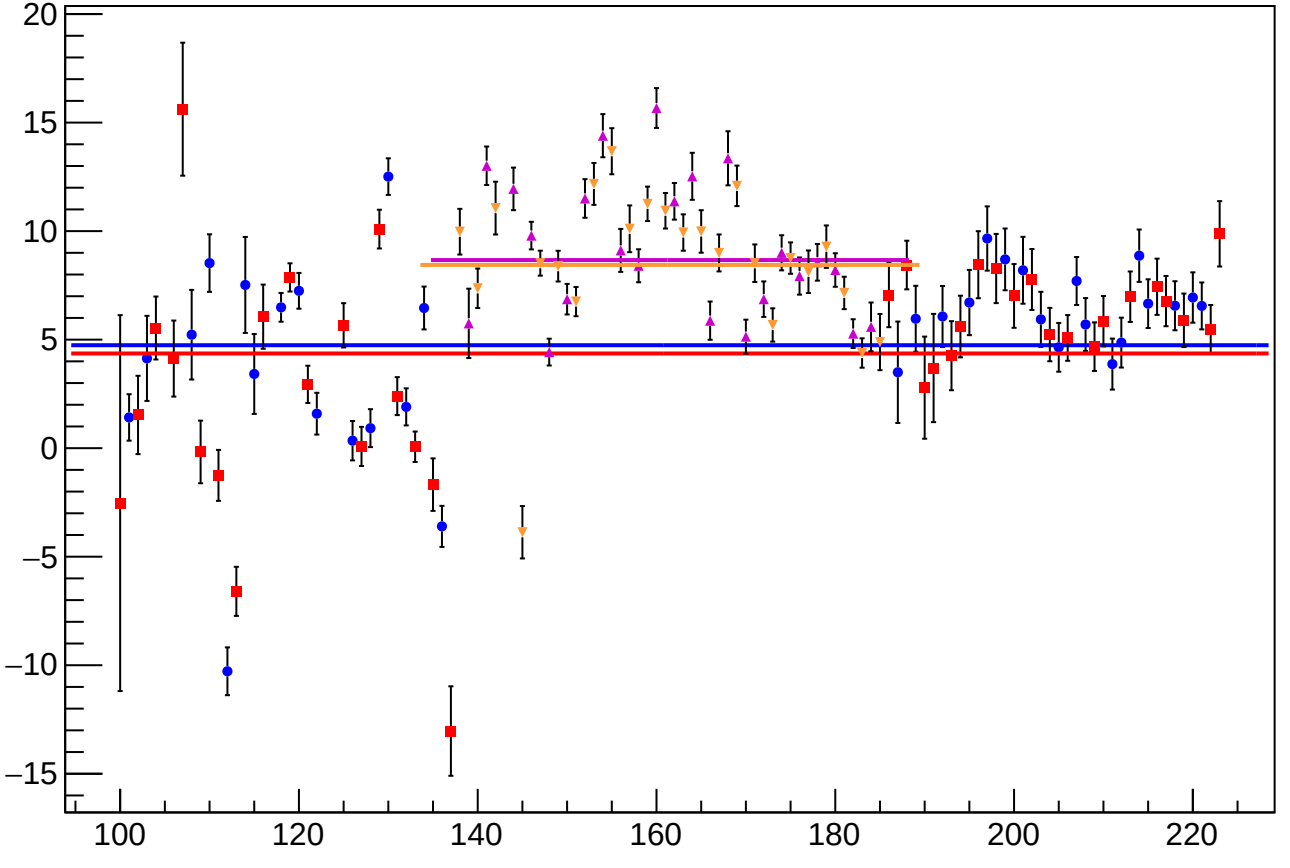
Right: 2.836+/-0.100 χ^2/NDF: 12733.6/71

In: 4.829+/-0.116 χ^2/NDF:6842.7/56

Out: 4.749+/-0.115 χ^2/NDF:8890.8/61

All: 4.789+/-0.082 χ^2/NDF: 15733.8/118

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

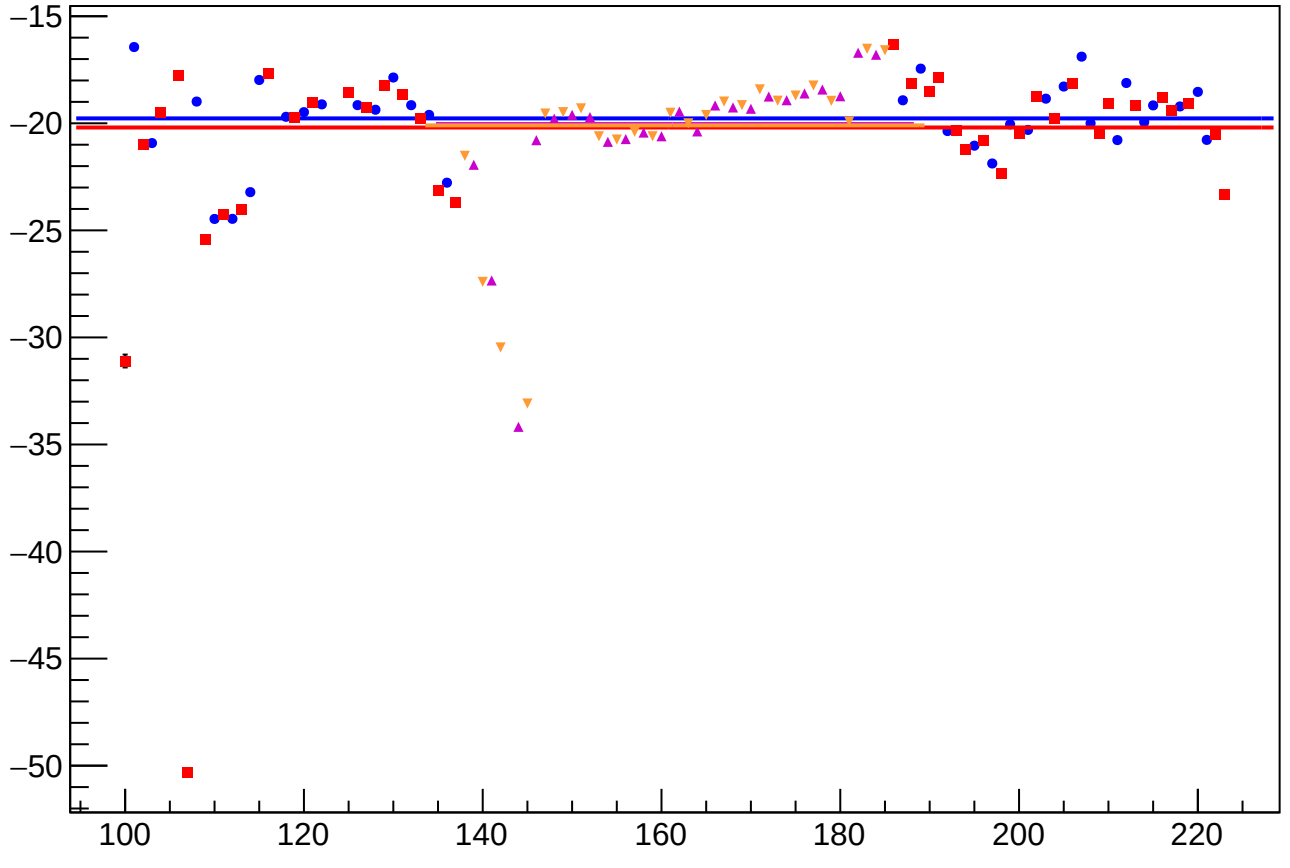
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.554+/-0.137 χ^2/NDF: 969.6/71

In: 6.893+/-0.130 χ^2/NDF:1042.8/56

Out: 6.633+/-0.129 χ^2/NDF:964.4/61

All: 6.762+/-0.092 χ^2/NDF: 2009.3/118



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

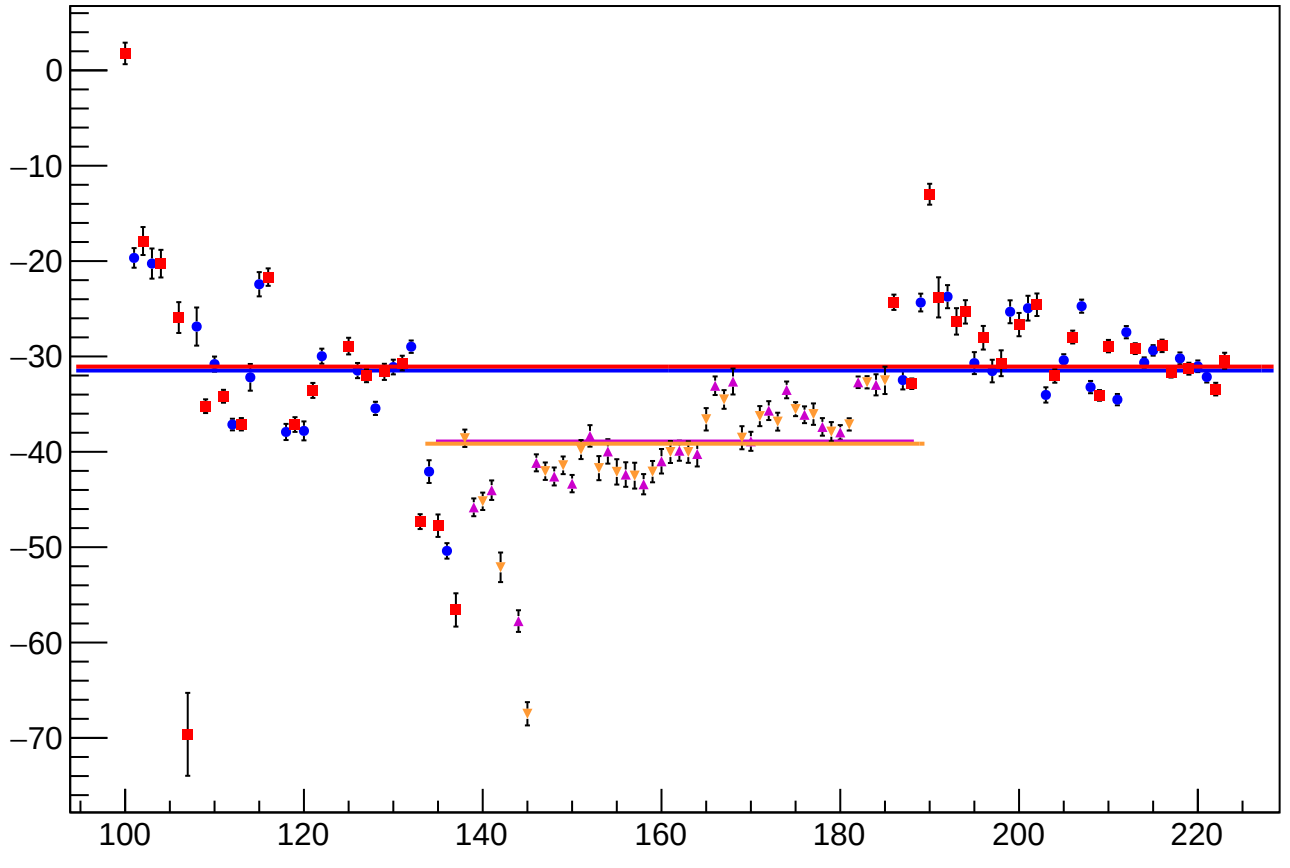
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -19.984+/-0.007 χ^2/NDF: 108197.1/71

In: -19.932+/-0.006 χ^2/NDF:165859.7/56

Out: -20.136+/-0.006 χ^2/NDF:233488.2/61

All: -20.034+/-0.004 χ^2/NDF: 399895.6/118



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

Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

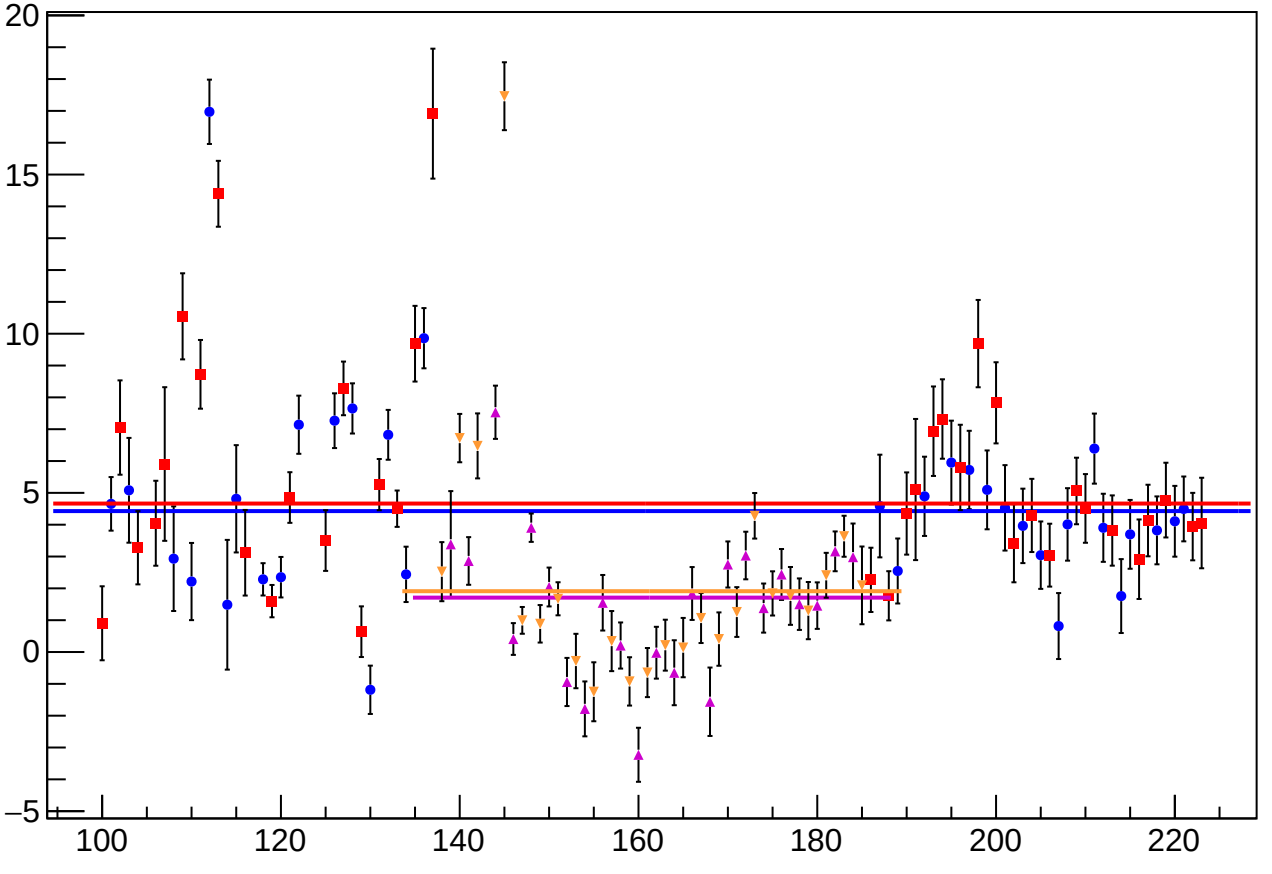
Right: -31.267+/-0.095 χ^2/NDF: 4254.6/71

In: -33.736+/-0.112 χ^2/NDF:3068.3/56

Out: -33.499+/-0.111 χ^2/NDF:4808.7/61

All: -33.616+/-0.079 χ^2/NDF: 7879.3/118

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

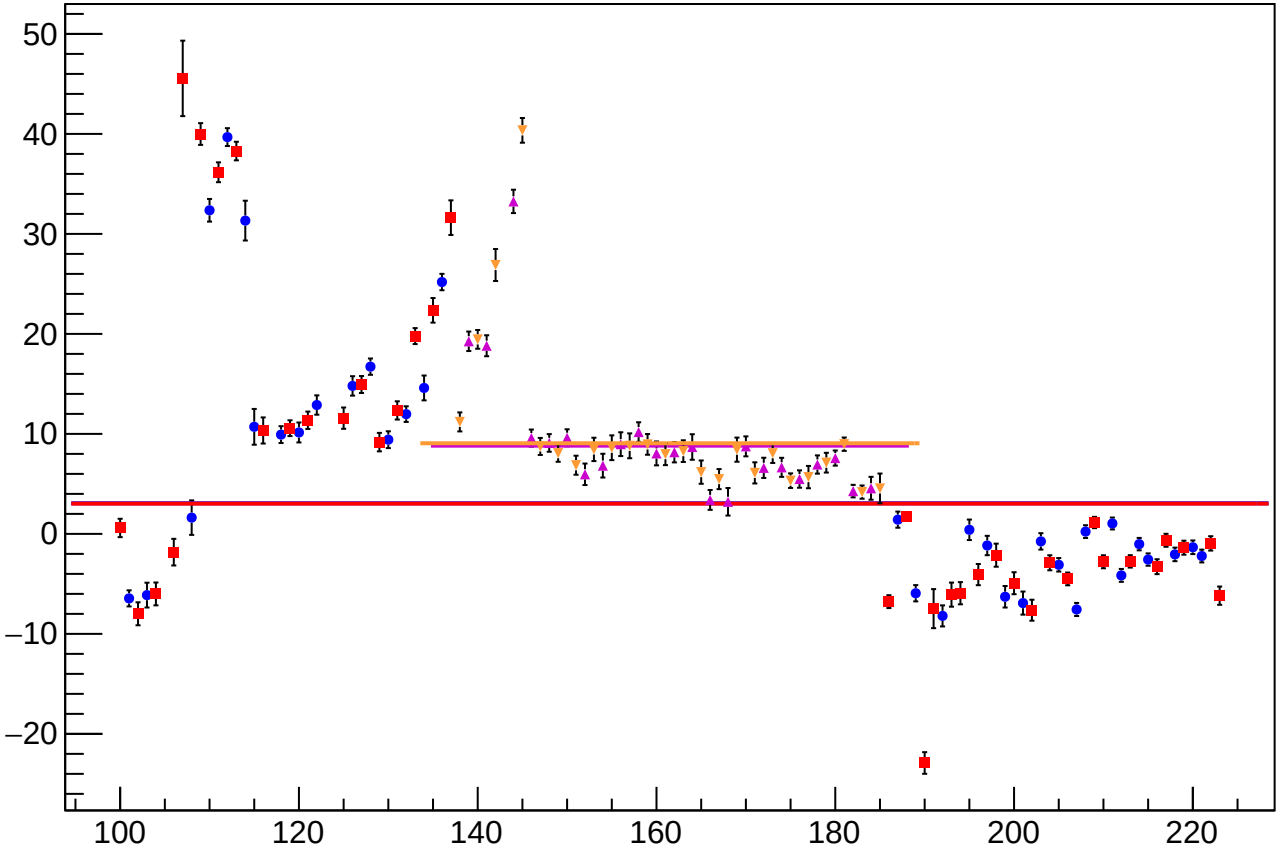
Right: 4.548+/-0.120 χ^2/NDF: 687.7/71

In: 2.940+/-0.115 χ^2/NDF:679.7/56

Out: 3.157+/-0.113 χ^2/NDF:835.8/61

All: 3.050+/-0.080 χ^2/NDF: 1517.3/118

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

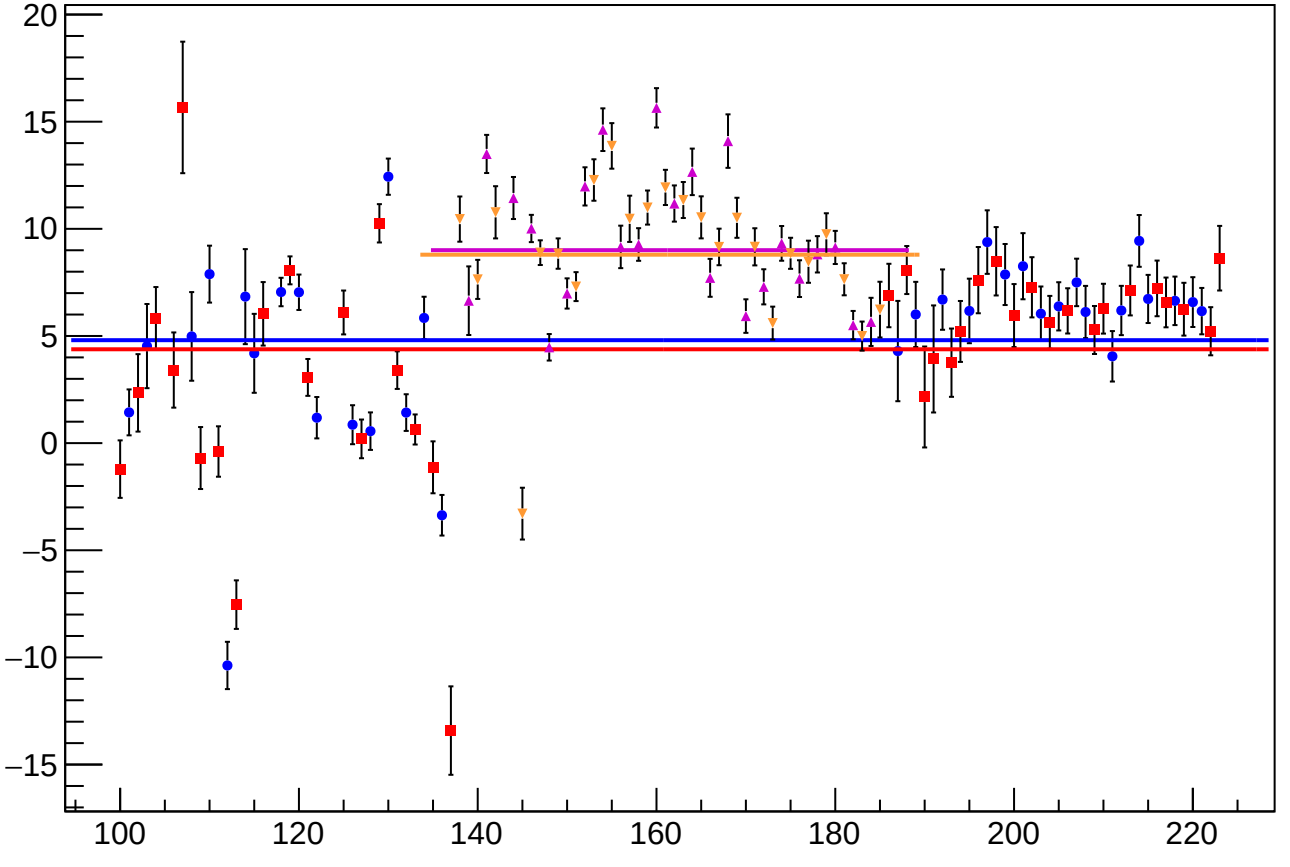
Right: 3.042+/-0.099 χ^2/NDF: 13080.0/71

In: 4.969+/-0.116 χ^2/NDF:6993.1/56

Out: 4.969+/-0.114 χ^2/NDF:9079.7/61

All: 4.969+/-0.081 χ^2/NDF: 16072.8/118

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

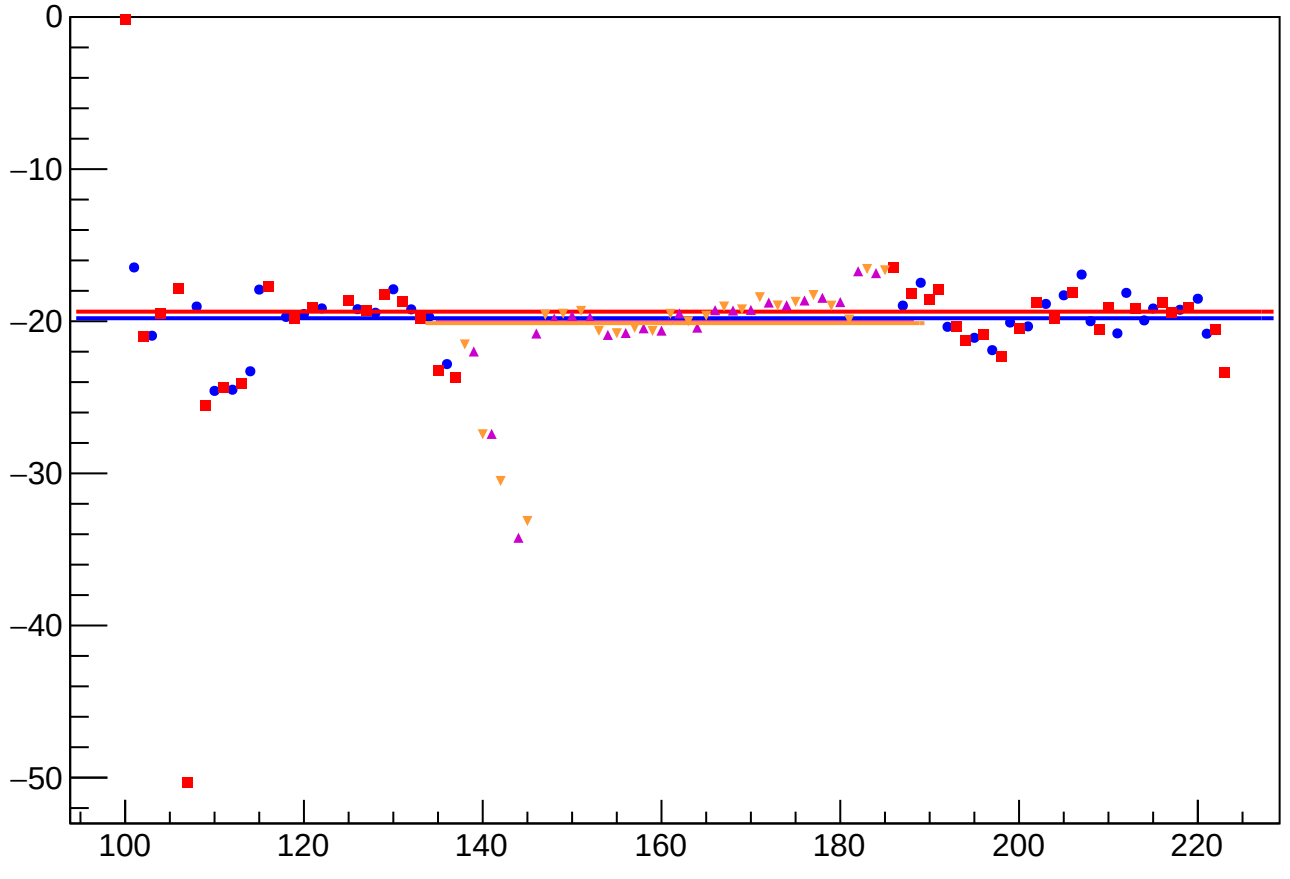
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.590+/-0.137 χ^2/NDF: 978.0/71

In: 7.105+/-0.130 χ^2/NDF:1058.6/56

Out: 6.813+/-0.129 χ^2/NDF:997.1/61

All: 6.958+/-0.092 χ^2/NDF: 2058.3/118



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

Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

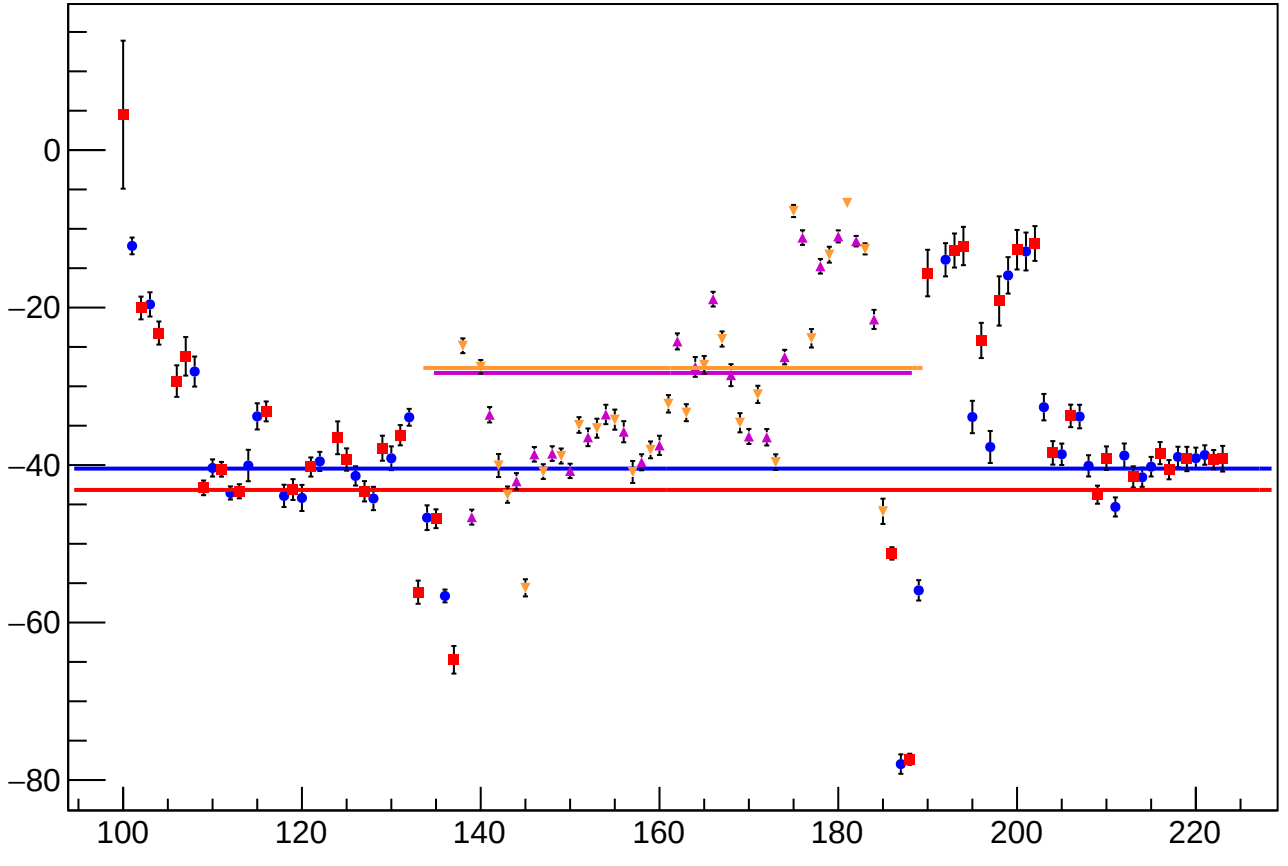
Right: -19.580+/-0.007 χ^2/NDF: 284304.0/71

In: -19.960+/-0.006 χ^2/NDF:166292.0/56

Out: -19.816+/-0.006 χ^2/NDF:412395.9/61

All: -19.887+/-0.004 χ^2/NDF: 578963.3/118

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

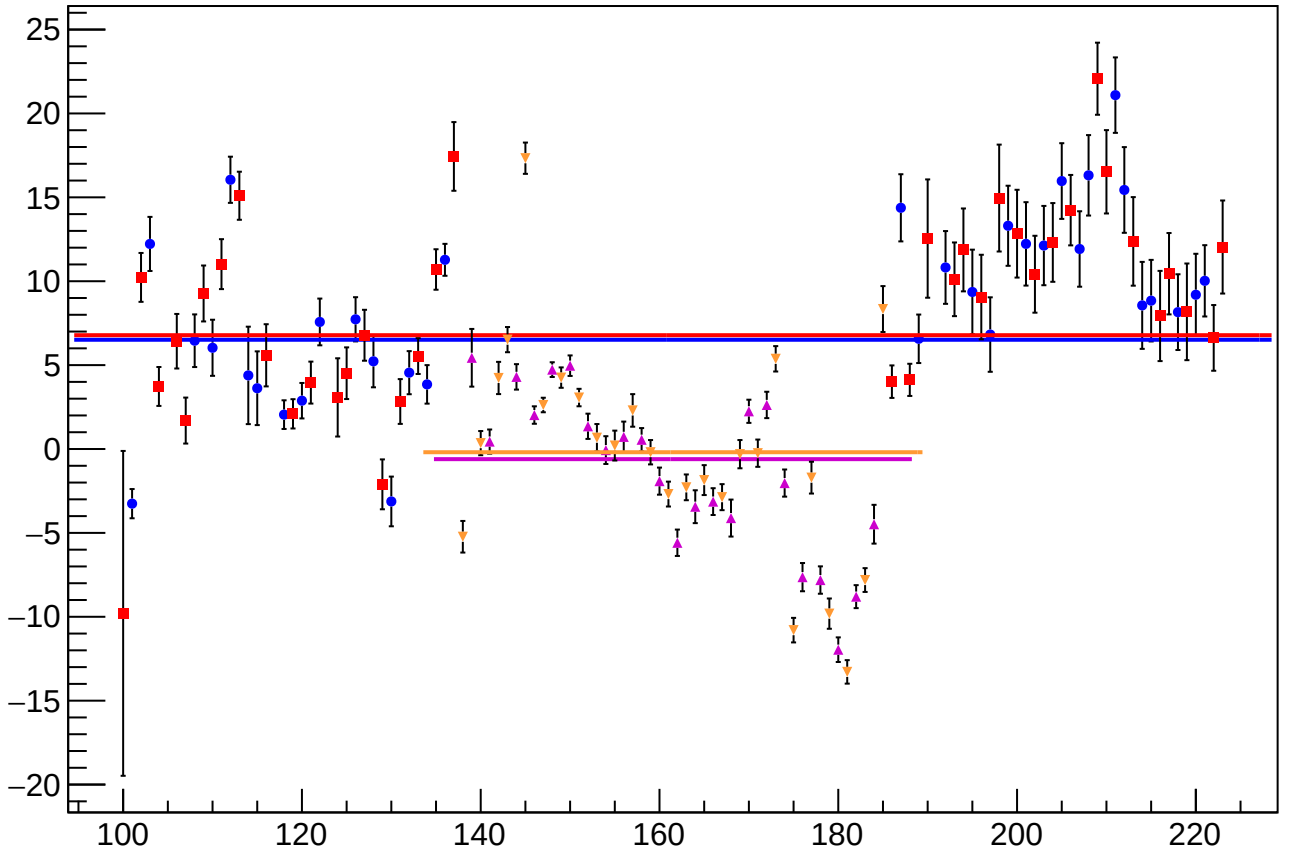
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -41.873+/-0.159 χ^2/NDF: 7526.1/71

In: -33.686+/-0.154 χ^2/NDF:7790.5/56

Out: -34.720+/-0.148 χ^2/NDF:11596.5/62

All: -34.222+/-0.107 χ^2/NDF: 19410.5/119



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

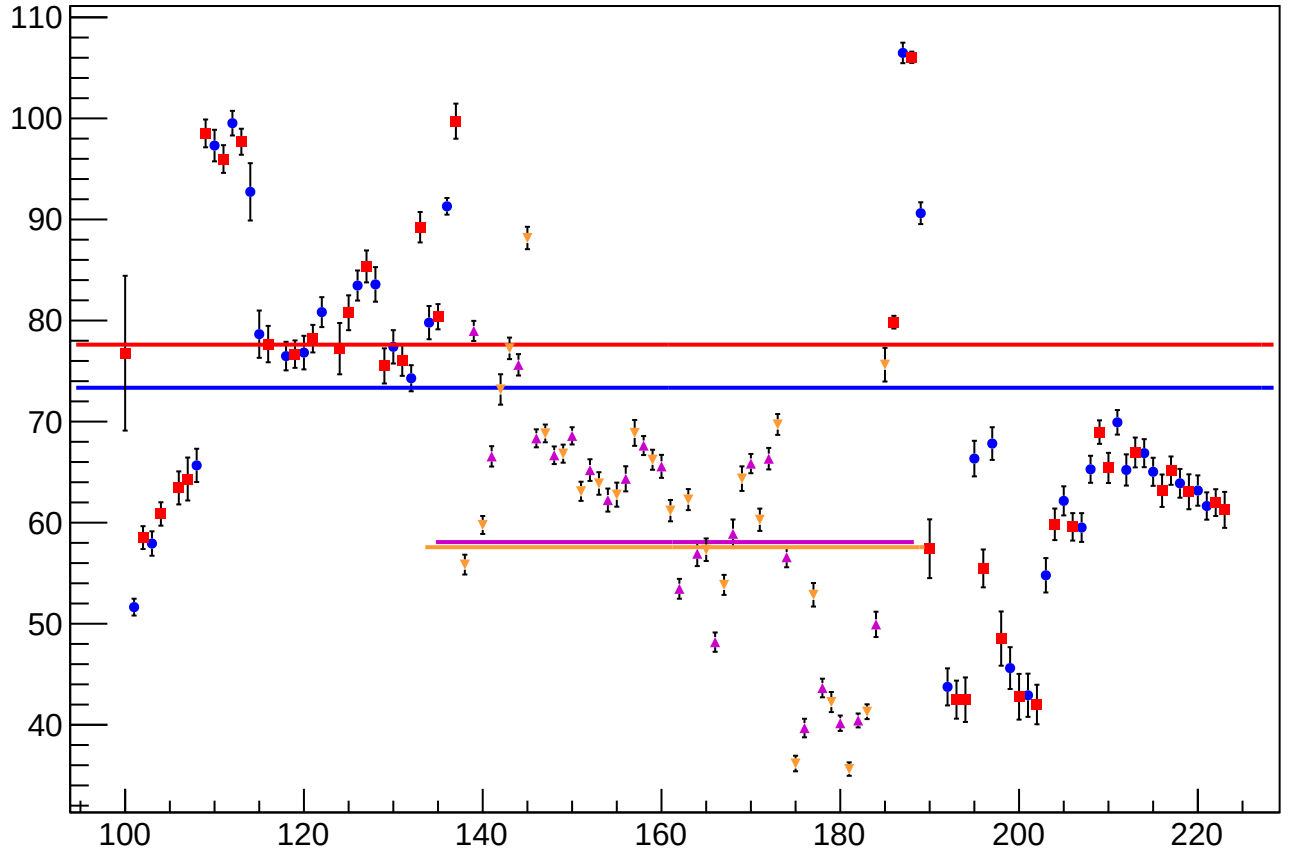
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.651+/-0.189 χ^2/NDF: 776.7/71

In: 1.156+/-0.135 χ^2/NDF:1940.2/56

Out: 1.524+/-0.130 χ^2/NDF:2407.7/62

All: 1.346+/-0.094 χ^2/NDF: 4351.8/119



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

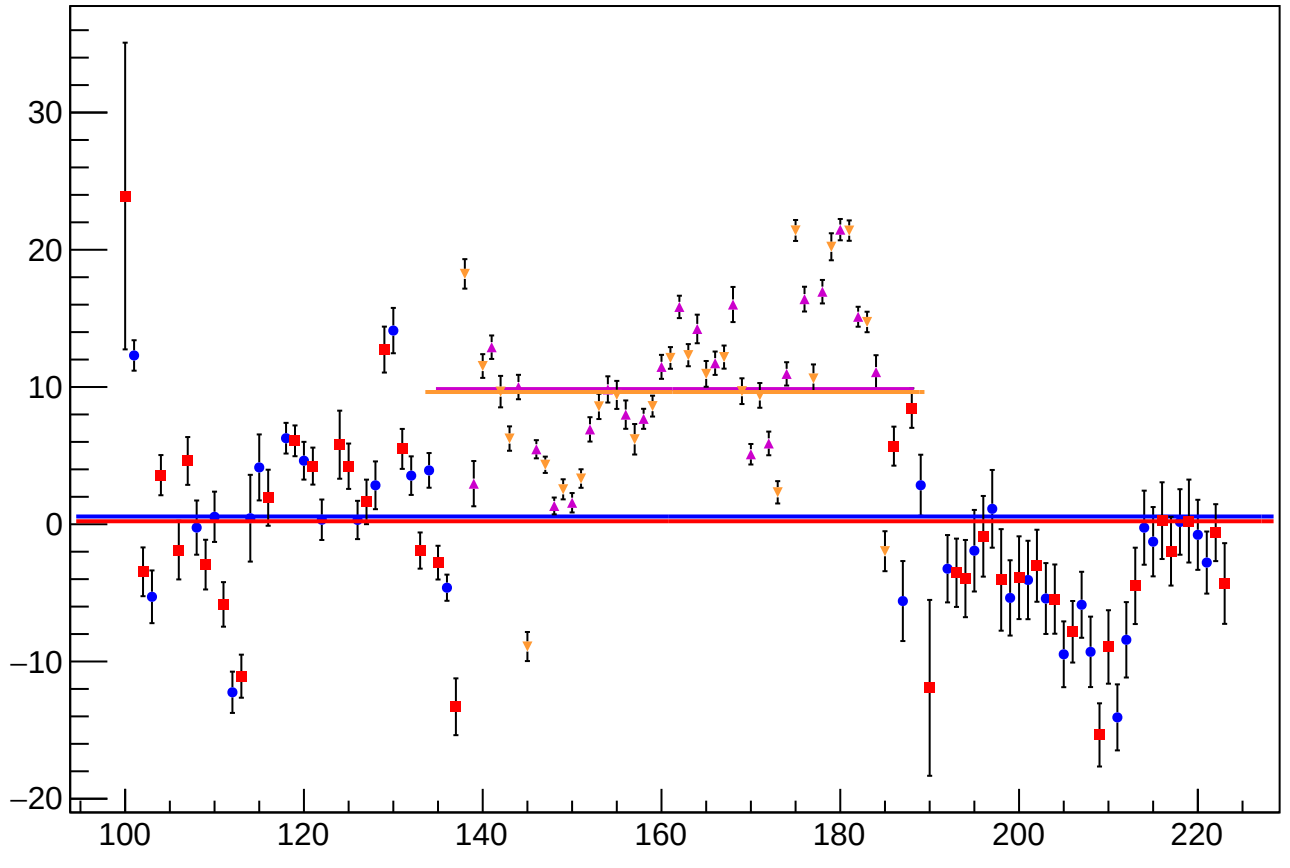
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 75.629+/-0.163 χ^2/NDF: 11497.3/71

In: 64.516+/-0.155 χ^2/NDF:10723.1/56

Out: 66.481+/-0.148 χ^2/NDF:15730.2/62

All: 65.540+/-0.107 χ^2/NDF: 26537.4/119



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

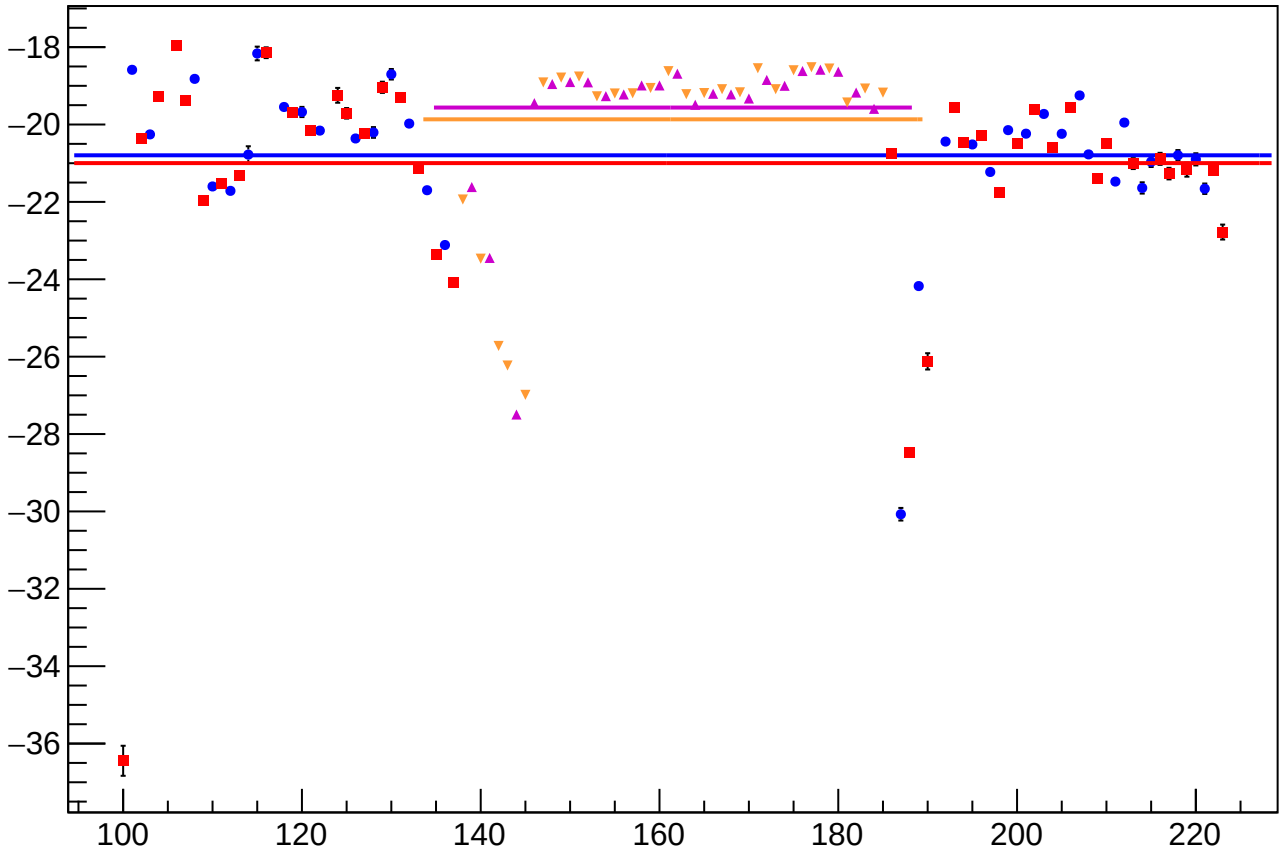
Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

Right: 0.390+/-0.219 χ^2/NDF: 854.4/71

In: 7.591+/-0.153 χ^2/NDF:2120.1/56

Out: 7.413+/-0.150 χ^2/NDF:2605.0/62

All: 7.500+/-0.107 χ^2/NDF: 4725.8/119



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

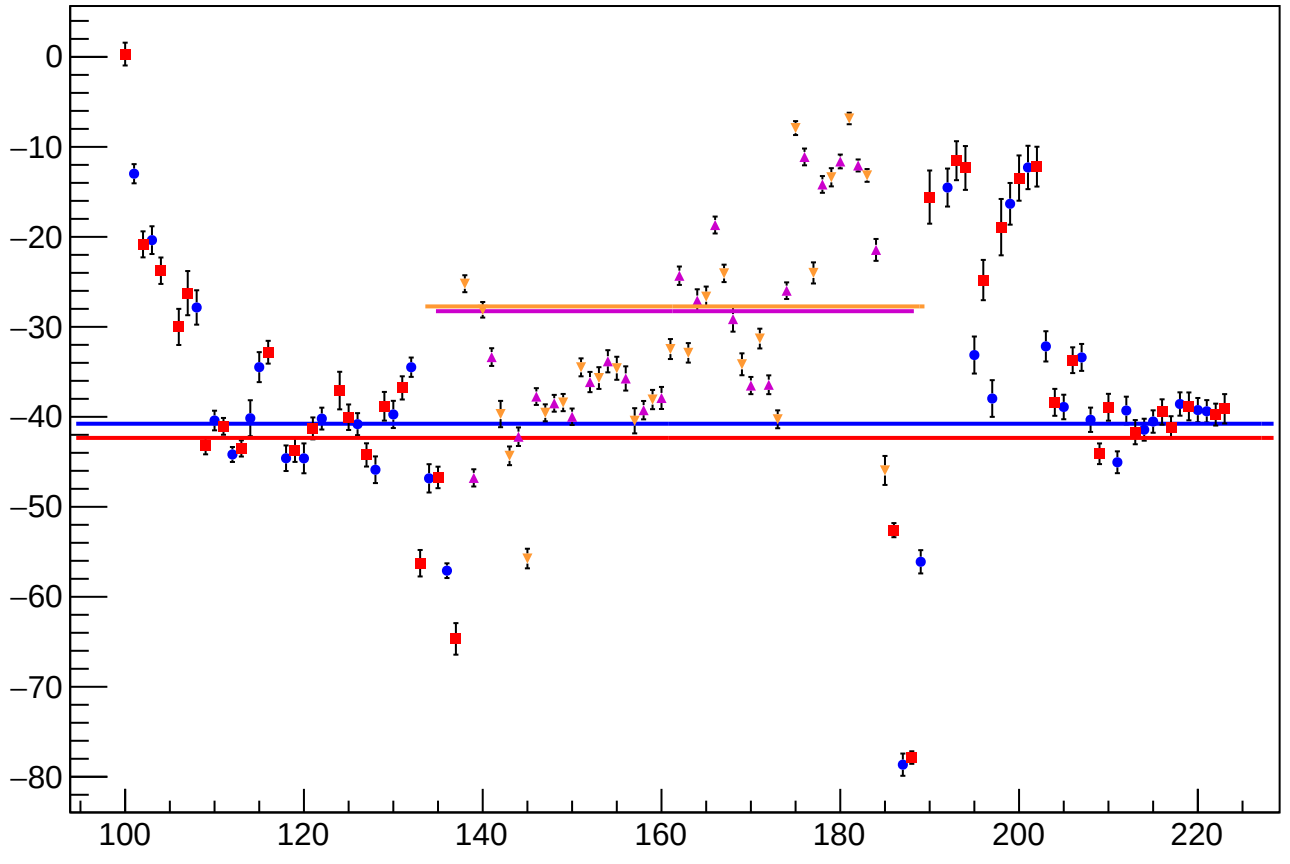
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.896+/-0.011 χ^2/NDF: 33577.9/71

In: -19.825+/-0.007 χ^2/NDF:62997.4/56

Out: -20.099+/-0.007 χ^2/NDF:103956.4/62

All: -19.963+/-0.005 χ^2/NDF: 167716.3/119



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

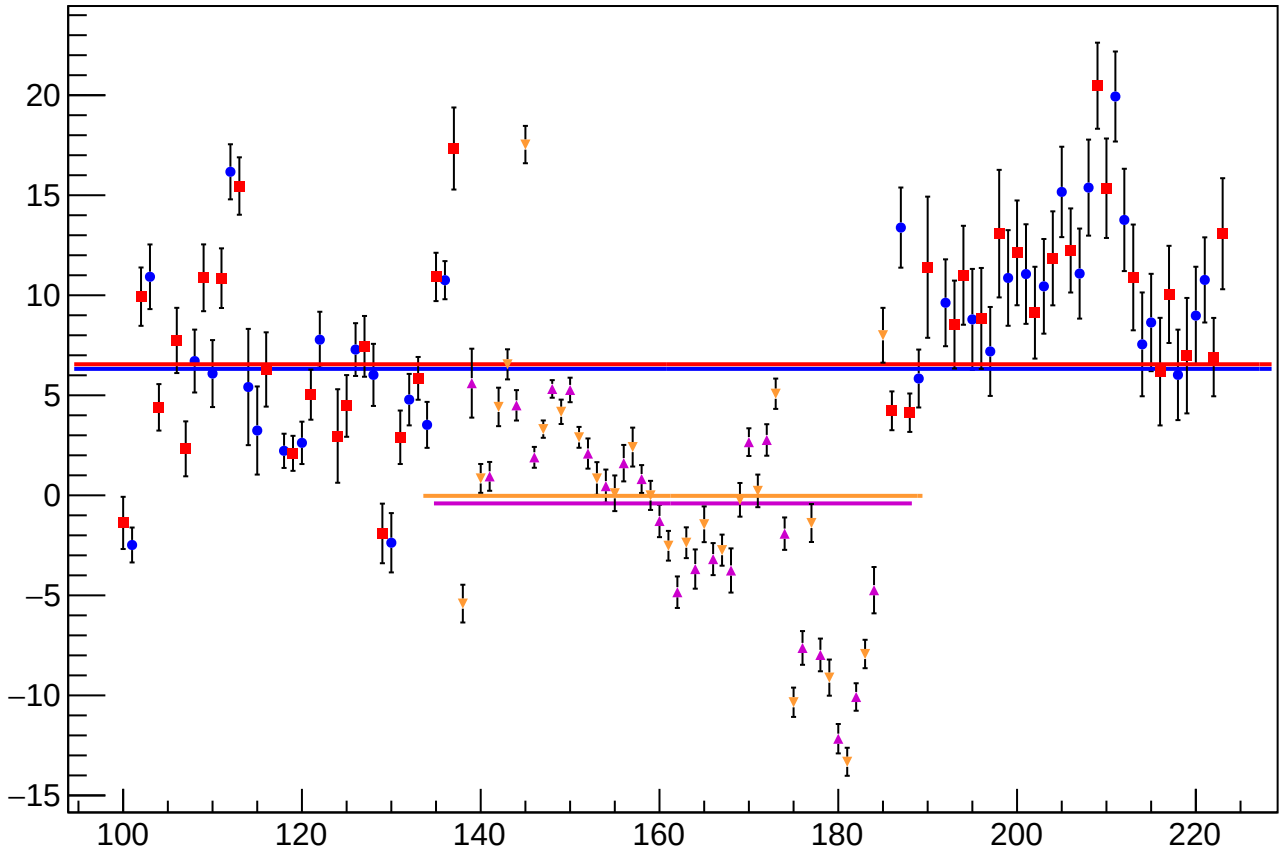
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.605+/-0.158 χ^2/NDF: 8669.3/71

In: -33.806+/-0.154 χ^2/NDF:7782.2/56

Out: -34.488+/-0.147 χ^2/NDF:12417.0/62

All: -34.162+/-0.106 χ^2/NDF: 20209.5/119



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

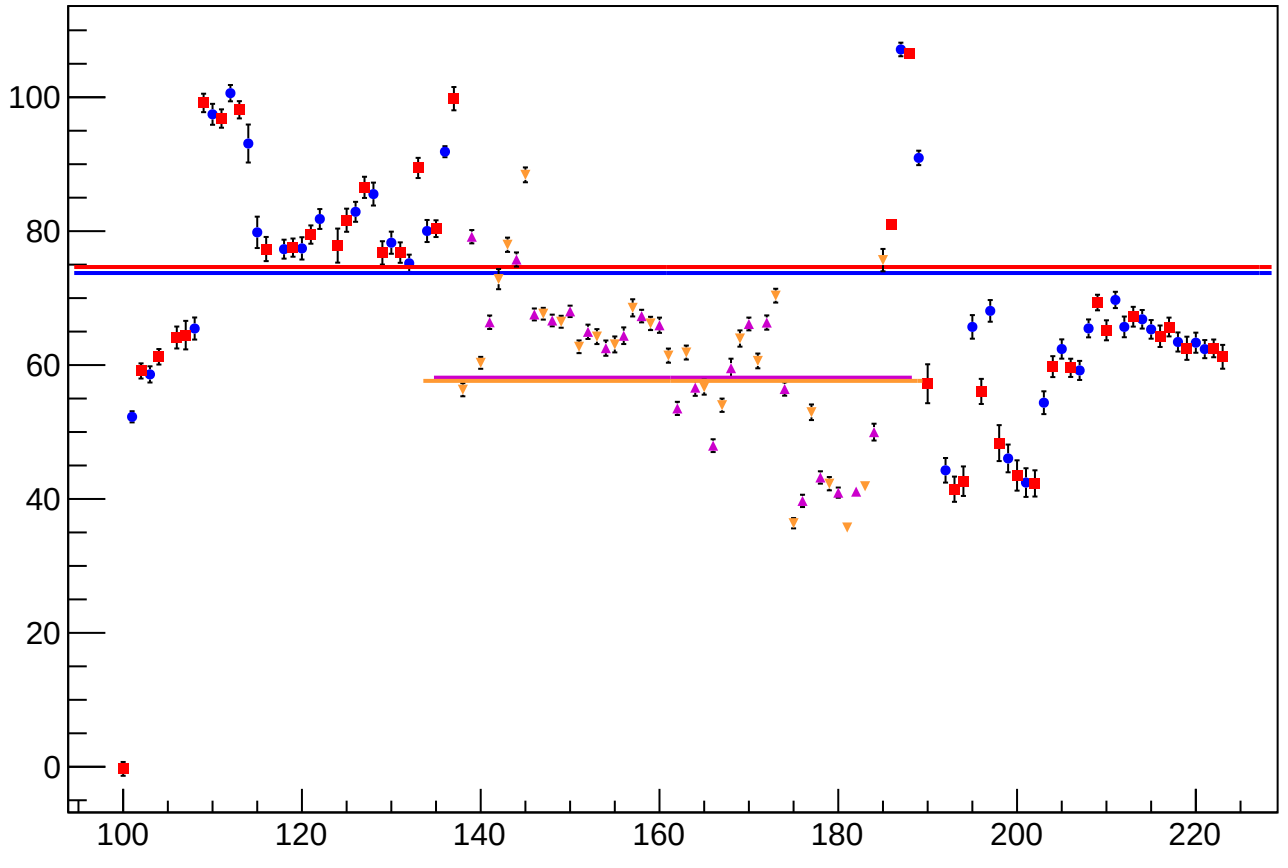
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.442+/-0.187 χ^2/NDF: 703.9/71

In: 1.261+/-0.135 χ^2/NDF:1922.9/56

Out: 1.640+/-0.130 χ^2/NDF:2345.0/62

All: 1.458+/-0.094 χ^2/NDF: 4272.0/119



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

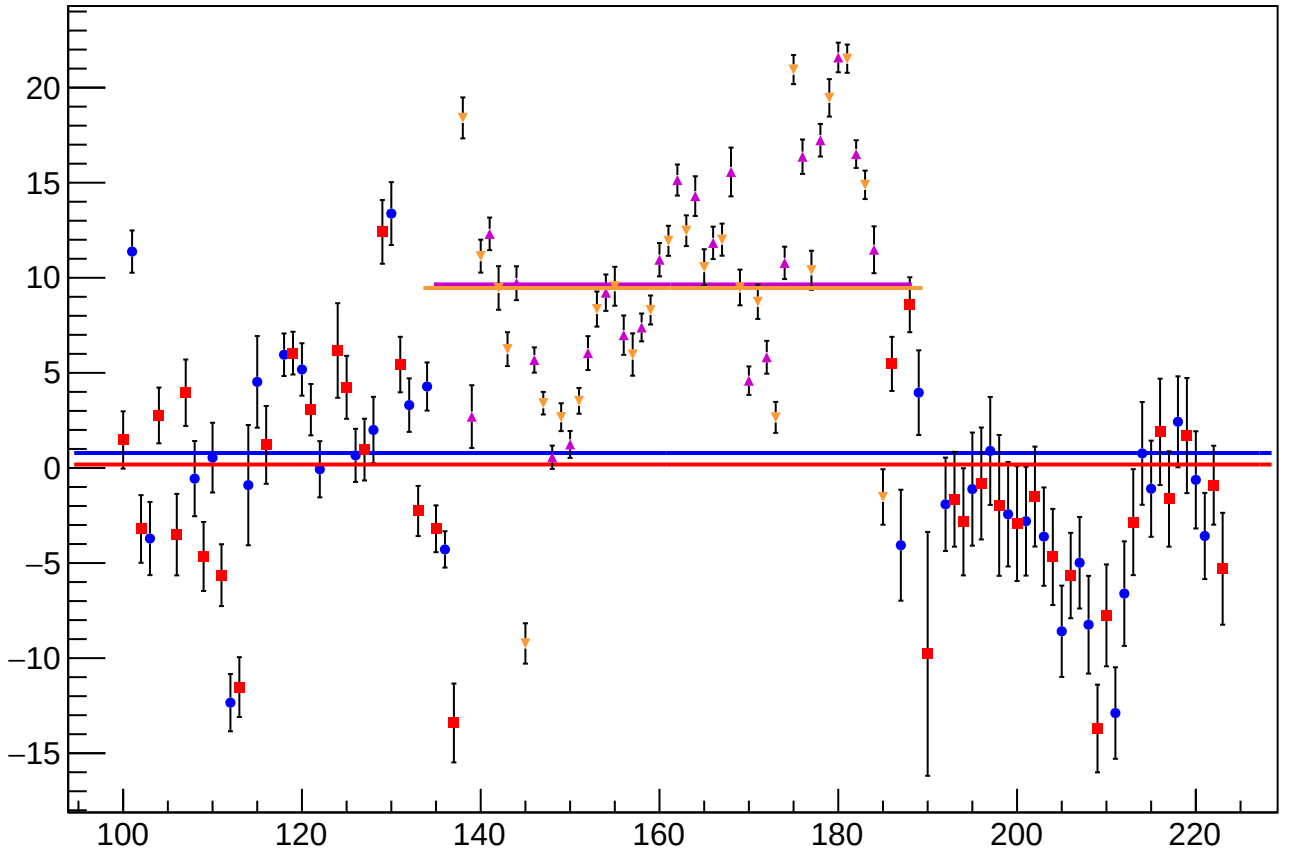
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 74.236+/-0.161 χ^2/NDF: 16990.2/71

In: 64.709+/-0.155 χ^2/NDF:10791.6/56

Out: 65.386+/-0.147 χ^2/NDF:20045.0/62

All: 65.065+/-0.107 χ^2/NDF: 30846.6/119



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

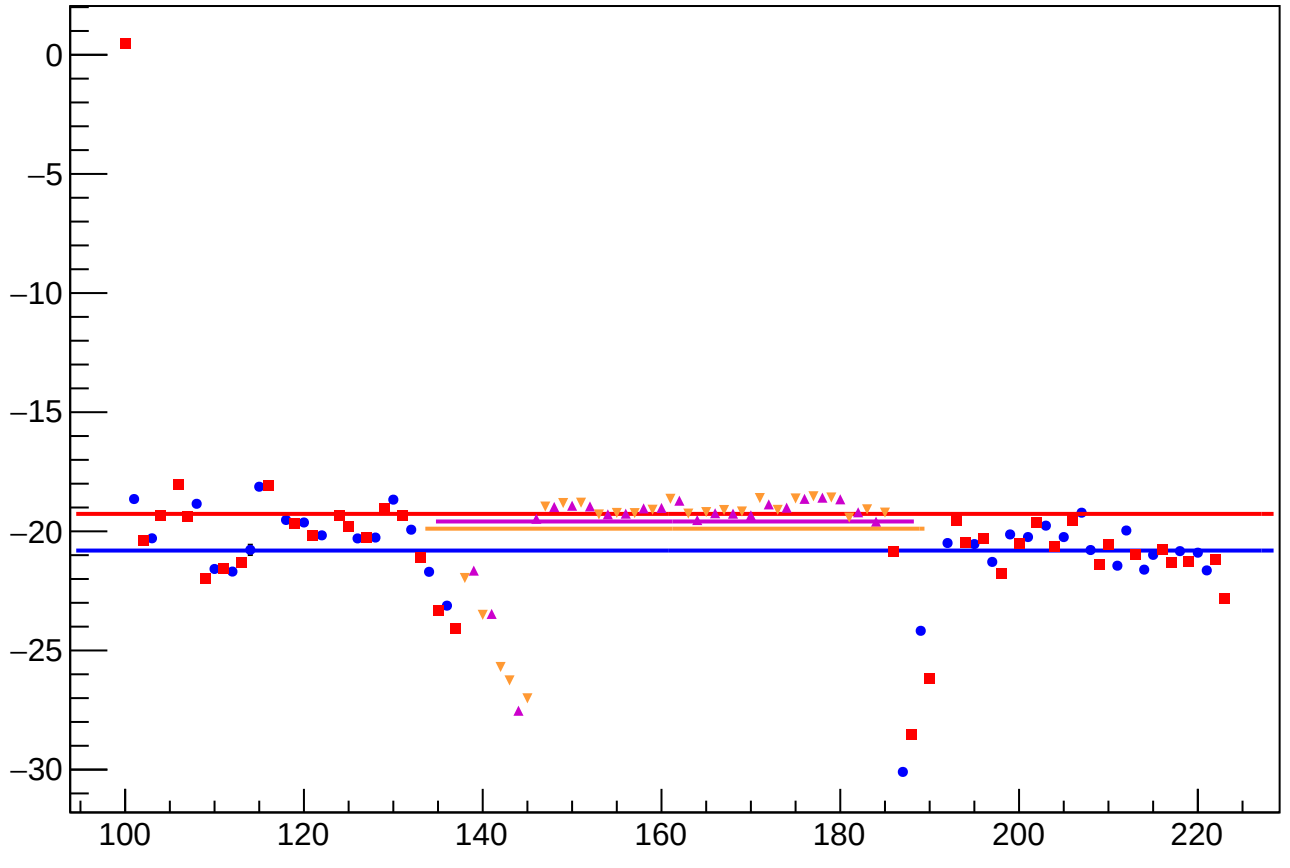
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

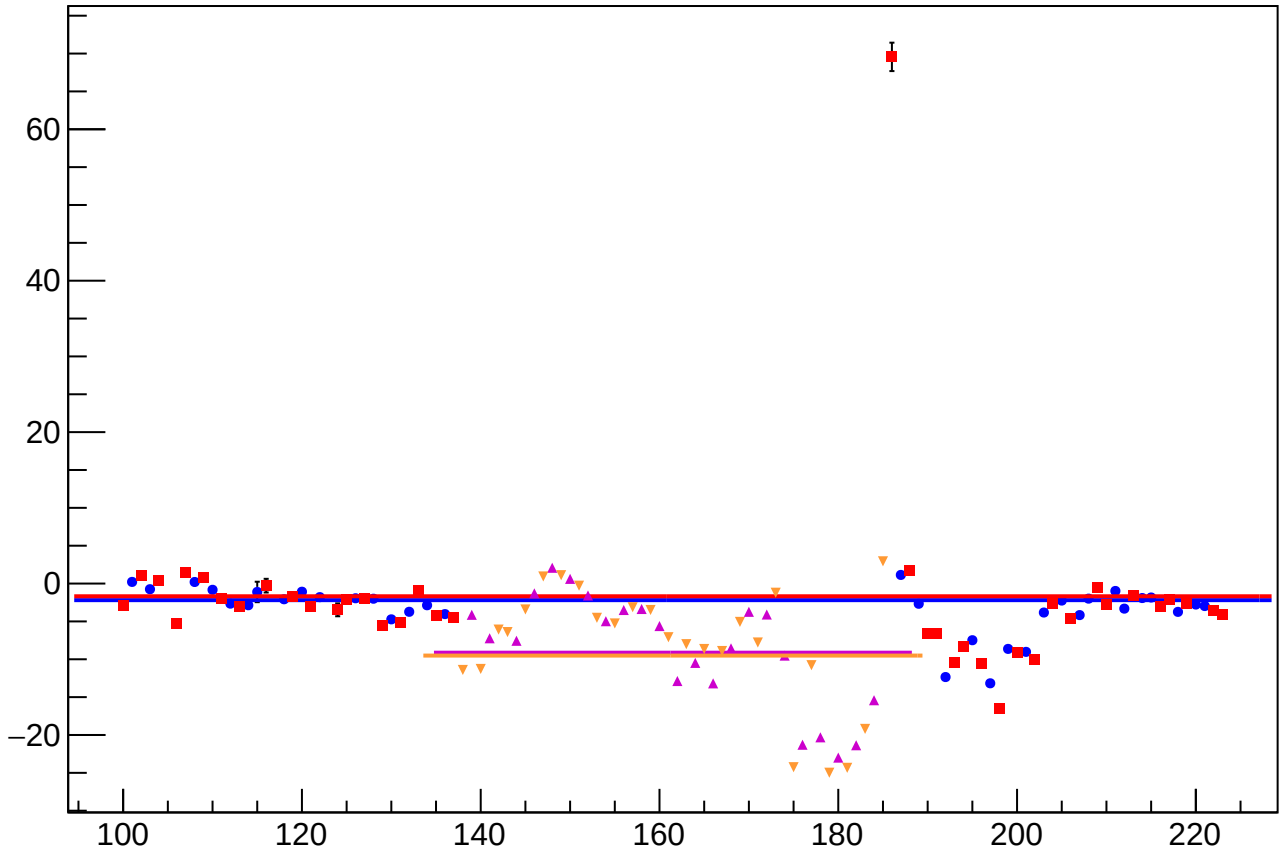
Right: 0.475+/-0.217 χ^2/NDF: 766.8/71

In: 7.493+/-0.154 χ^2/NDF:2086.5/56

Out: 7.203+/-0.149 χ^2/NDF:2564.2/62

All: 7.344+/-0.107 χ^2/NDF: 4652.5/119


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
220
Right In: -20.807+/-0.015 χ²/NDF: 12574.2/33
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.268+/-0.015 χ²/NDF: 173644.9/37
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -20.013+/-0.011 χ²/NDF: 191431.8/71
In: -19.846+/-0.007 χ²/NDF:62661.6/56
Out: -19.752+/-0.007 χ²/NDF:253524.2/62
All: -19.799+/-0.005 χ²/NDF: 316276.2/119



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

Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

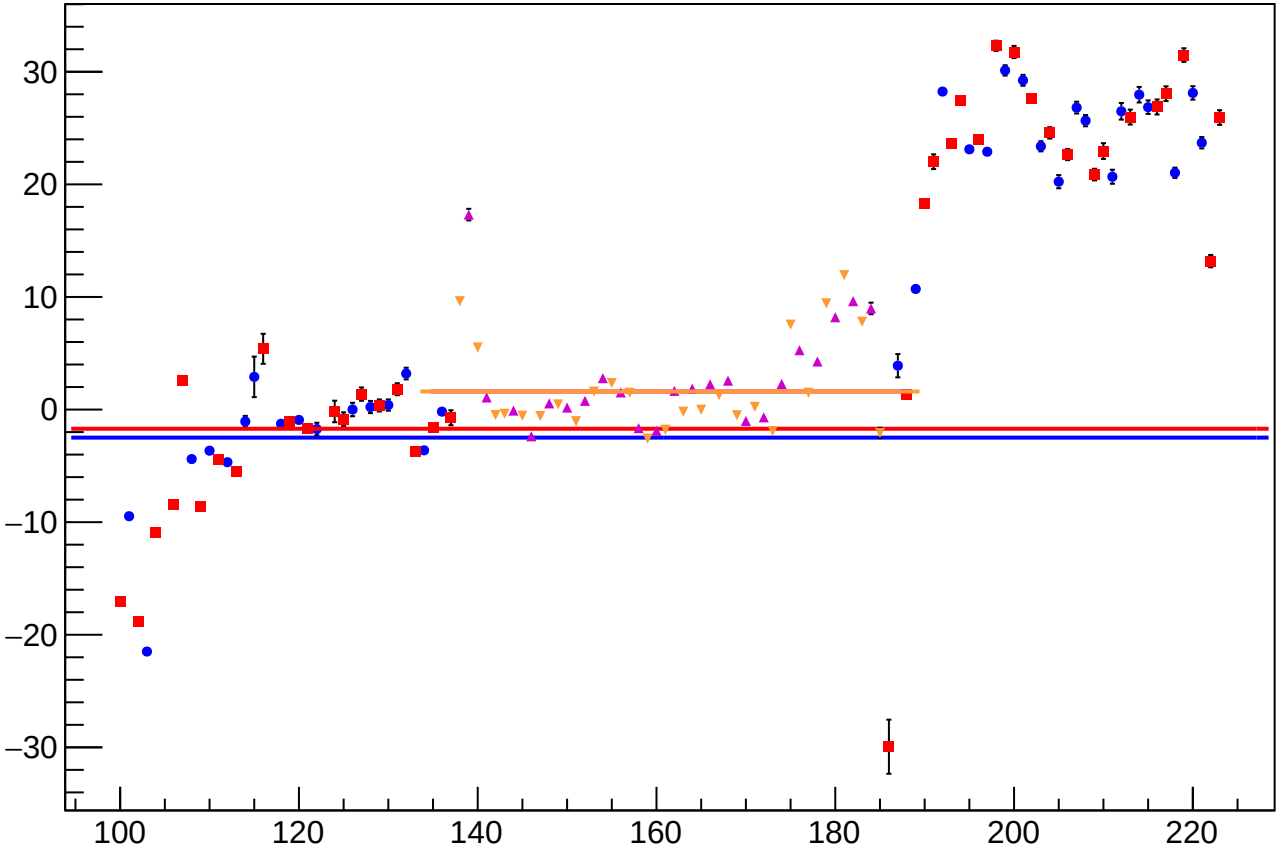
Right: -1.919+/-0.031 χ^2/NDF: 10541.8/72

In: -4.069+/-0.039 χ^2/NDF:20077.7/56

Out: -3.687+/-0.037 χ^2/NDF:28634.0/63

All: -3.867+/-0.027 χ^2/NDF: 48762.6/120

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

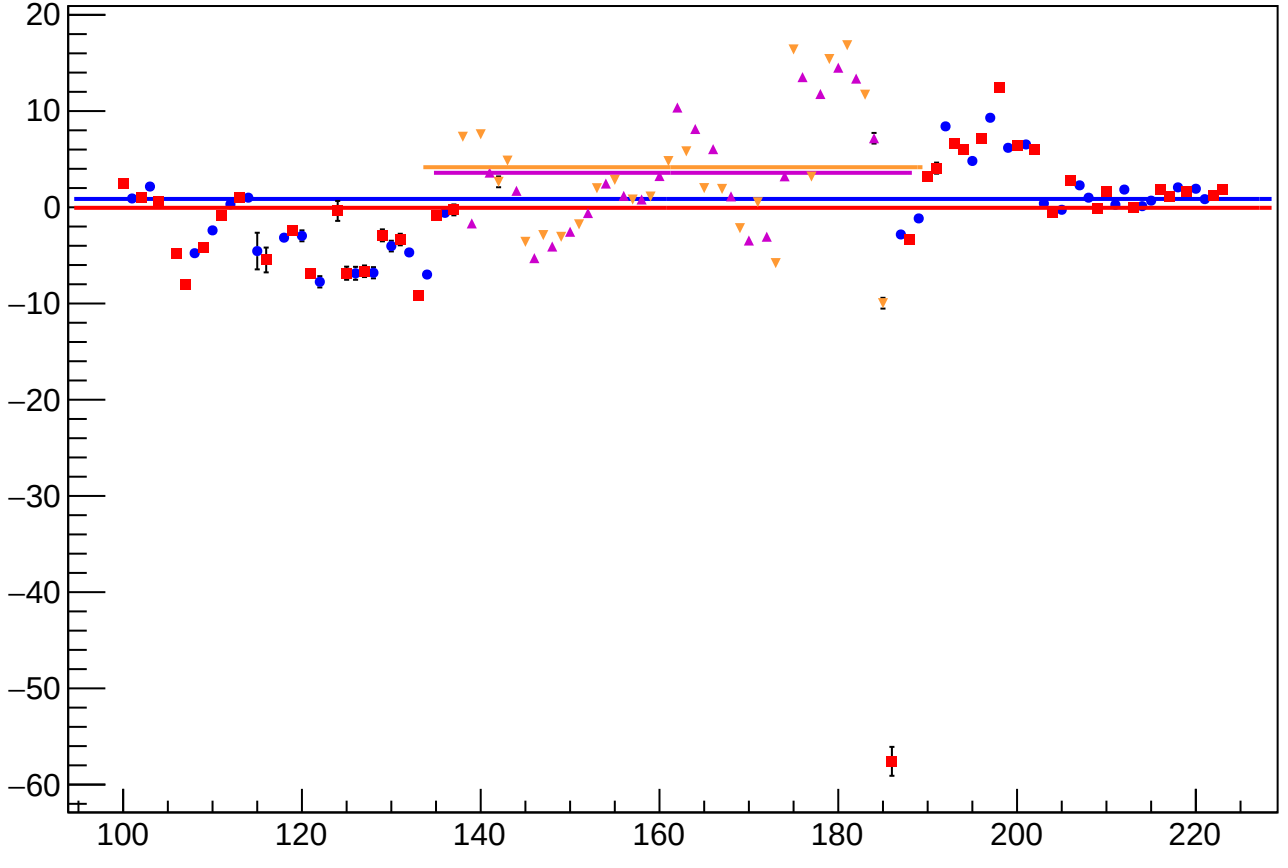
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -2.094+/-0.036 χ^2/NDF: 155834.7/72

In: -0.685+/-0.038 χ^2/NDF:83822.2/56

Out: -0.186+/-0.037 χ^2/NDF:84993.4/63

All: -0.429+/-0.027 χ^2/NDF: 168902.5/120



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

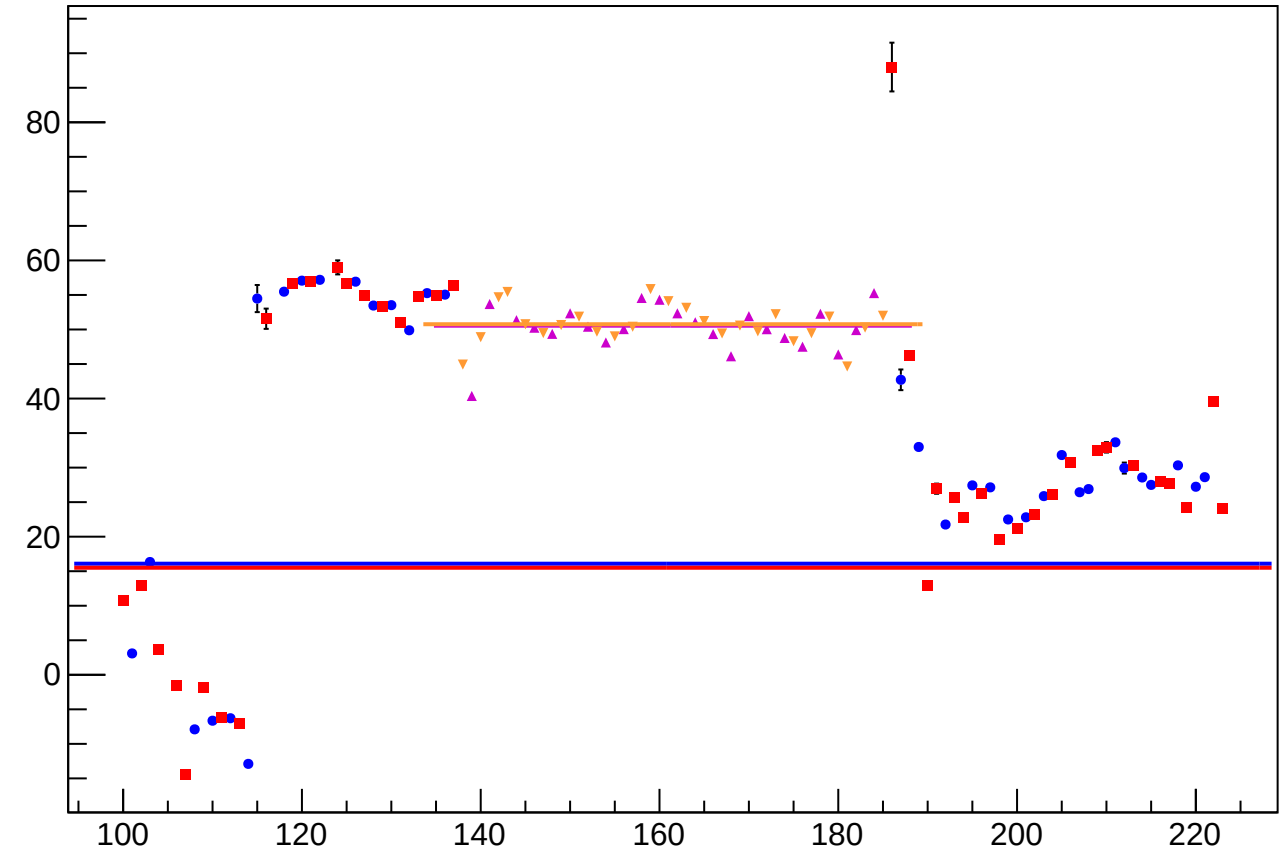
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.396+/-0.031 χ^2/NDF: 12750.1/72

In: 1.588+/-0.038 χ^2/NDF:12427.9/56

Out: 1.068+/-0.037 χ^2/NDF:20083.6/63

All: 1.322+/-0.027 χ^2/NDF: 32607.2/120



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

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

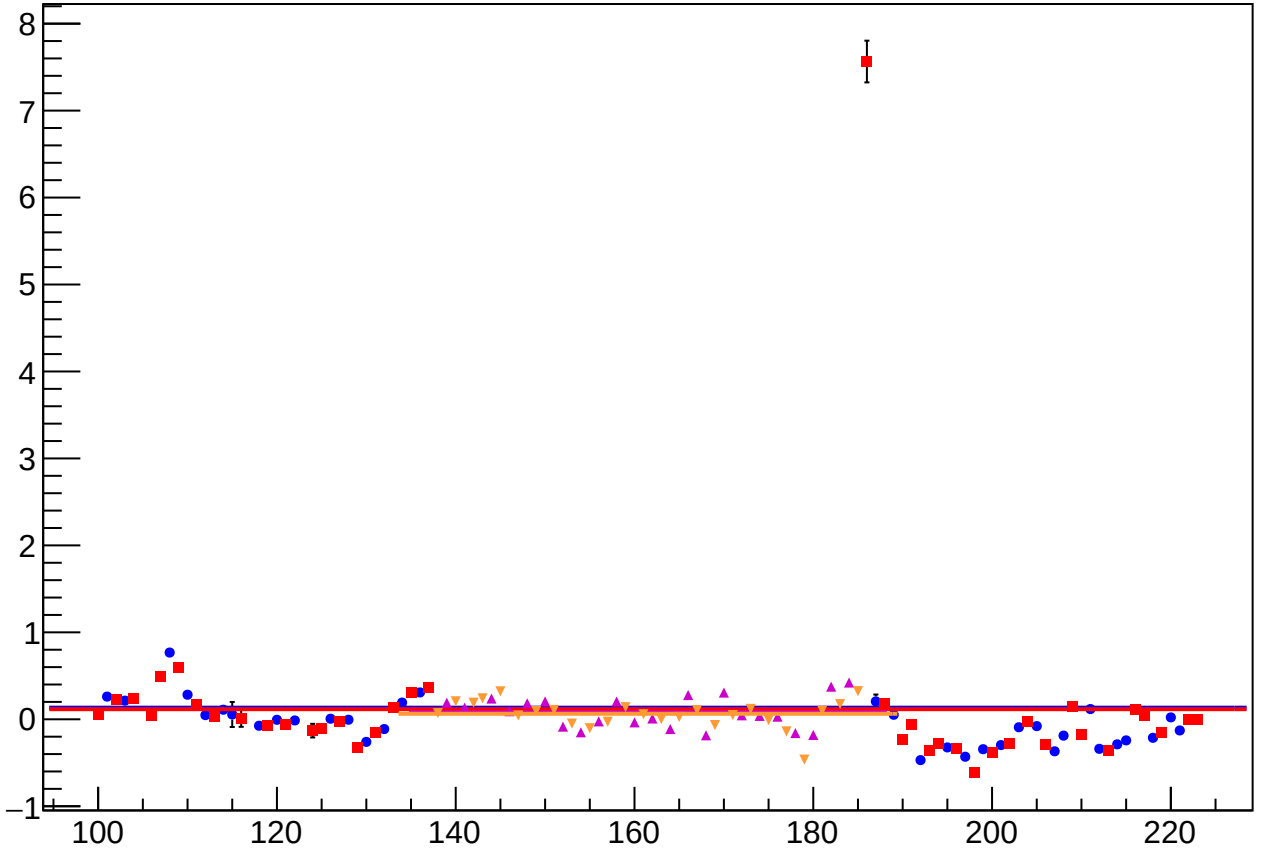
Right: 15.792+/-0.043 χ^2/NDF: 254082.9/72

In: 32.135+/-0.044 χ^2/NDF:271365.2/56

Out: 32.394+/-0.043 χ^2/NDF:303528.5/63

All: 32.268+/-0.031 χ^2/NDF: 574911.2/120

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

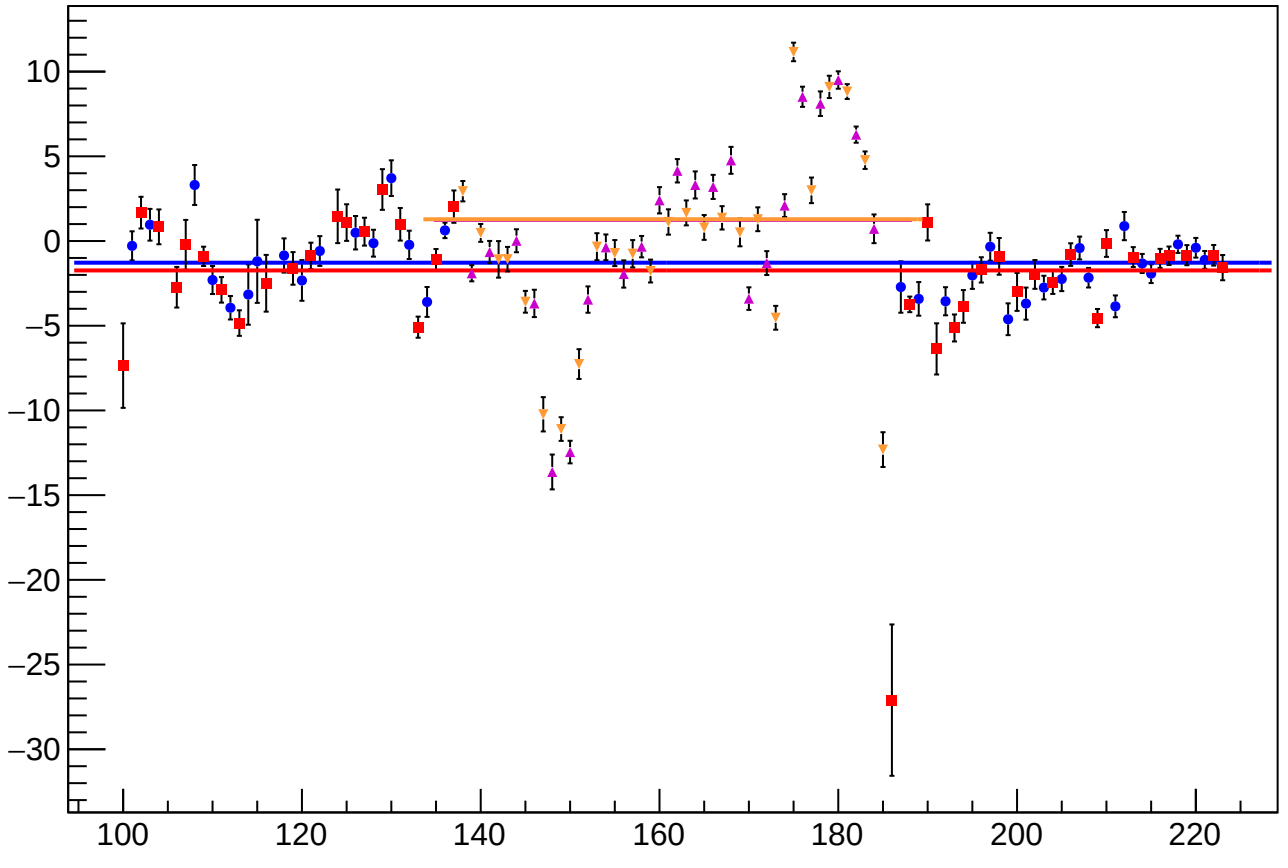
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.125+/-0.002 χ^2/NDF: 27470.7/72

In: 0.111+/-0.002 χ^2/NDF:17821.9/56

Out: 0.094+/-0.002 χ^2/NDF:16054.4/63

All: 0.102+/-0.001 χ^2/NDF: 33917.4/120



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

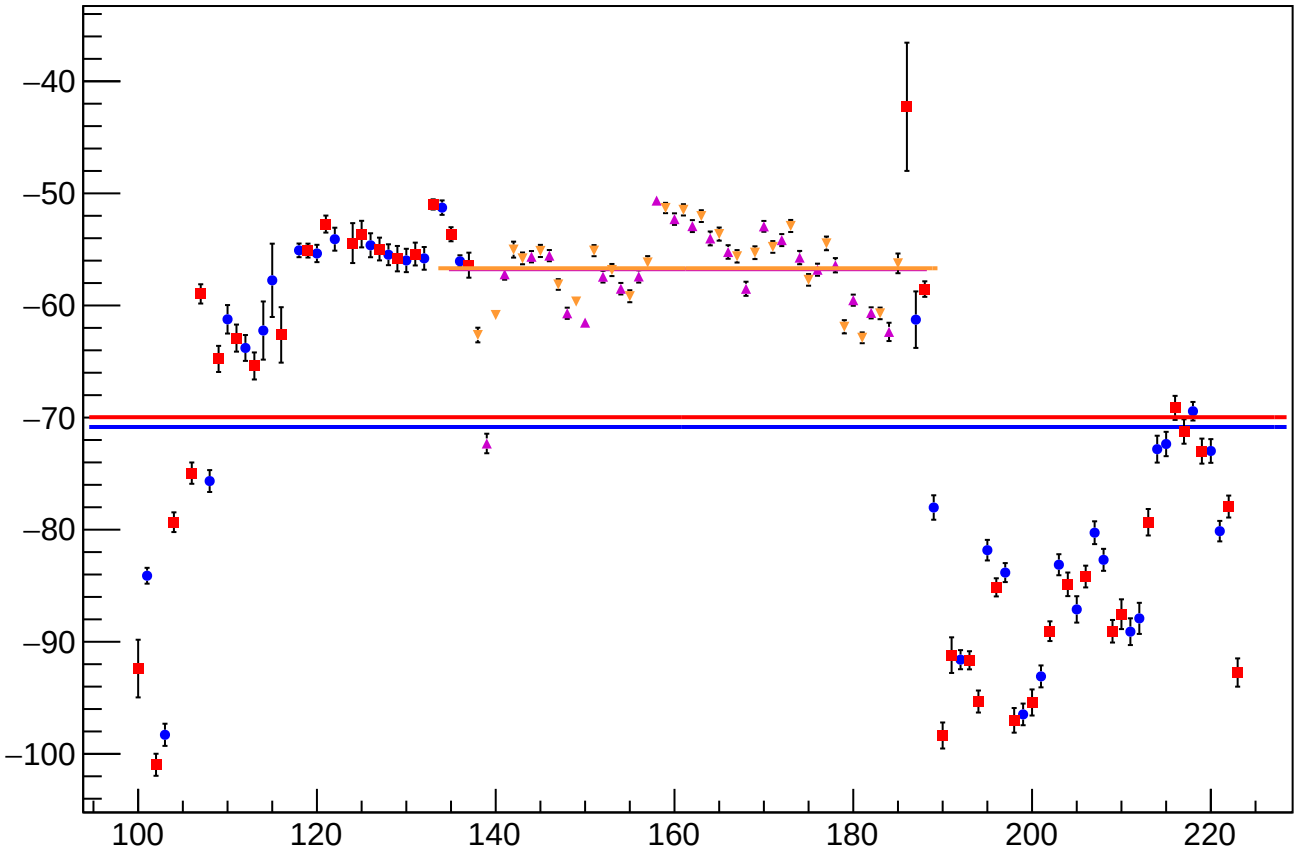
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.516+/-0.090 χ^2/NDF: 451.6/72

In: -0.116+/-0.095 χ^2/NDF:1857.4/56

Out: -0.360+/-0.092 χ^2/NDF:2254.8/63

All: -0.242+/-0.066 χ^2/NDF: 4115.6/120



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

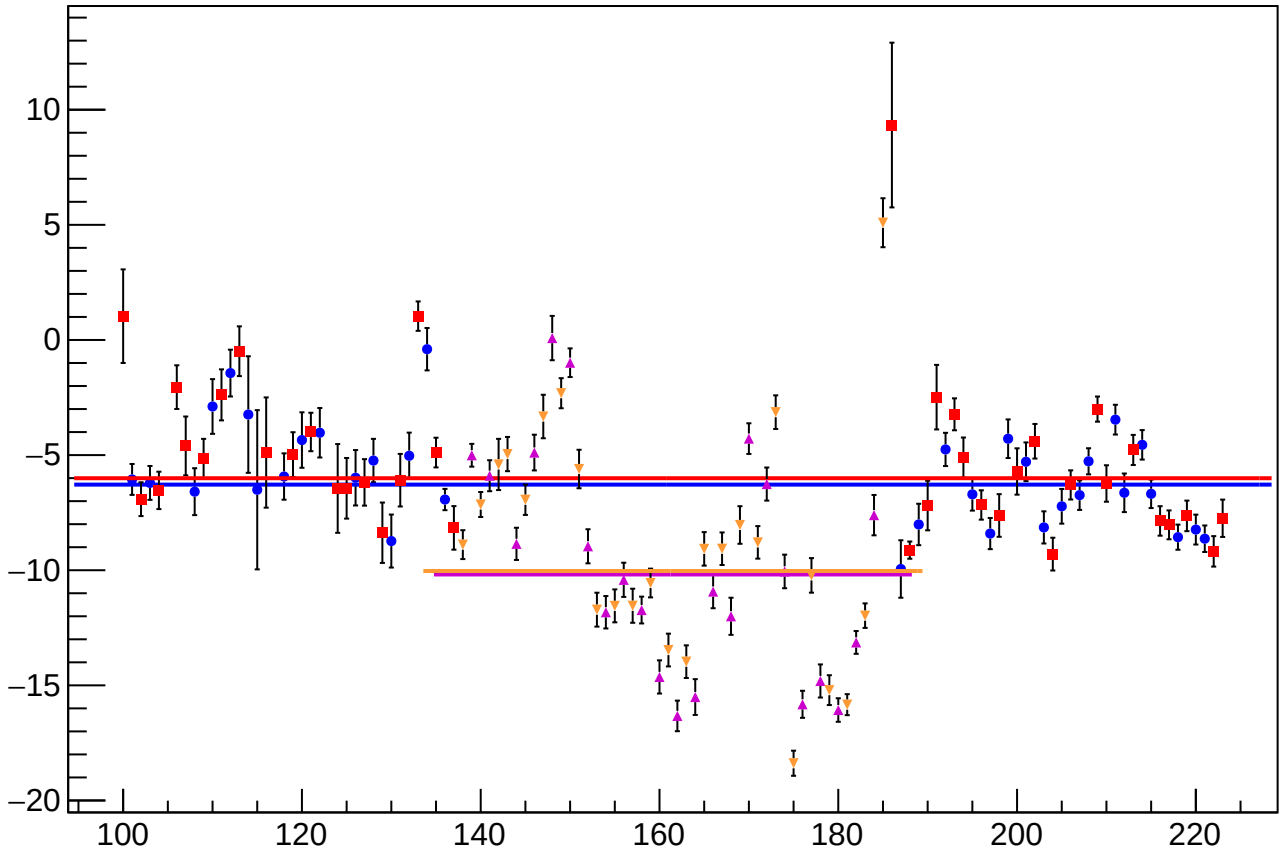
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -70.382+/-0.112 χ^2/NDF: 20300.2/72

In: -61.315+/-0.092 χ^2/NDF:14787.4/56

Out: -61.009+/-0.088 χ^2/NDF:17733.1/63

All: -61.155+/-0.064 χ^2/NDF: 32526.2/120



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

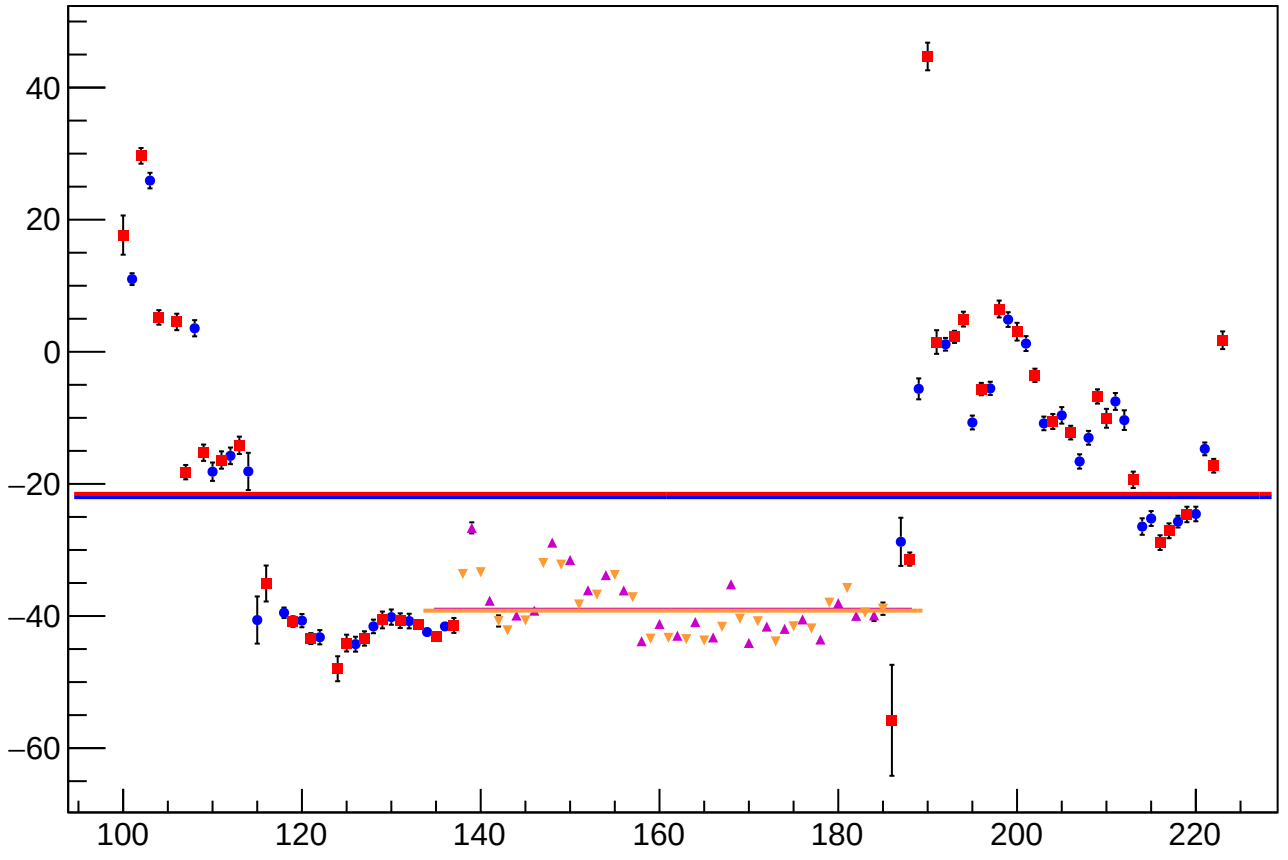
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -6.138+/-0.092 χ^2/NDF: 651.2/72

In: -8.143+/-0.096 χ^2/NDF:1760.6/56

Out: -7.888+/-0.093 χ^2/NDF:2091.0/63

All: -8.011+/-0.067 χ^2/NDF: 3855.3/120



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

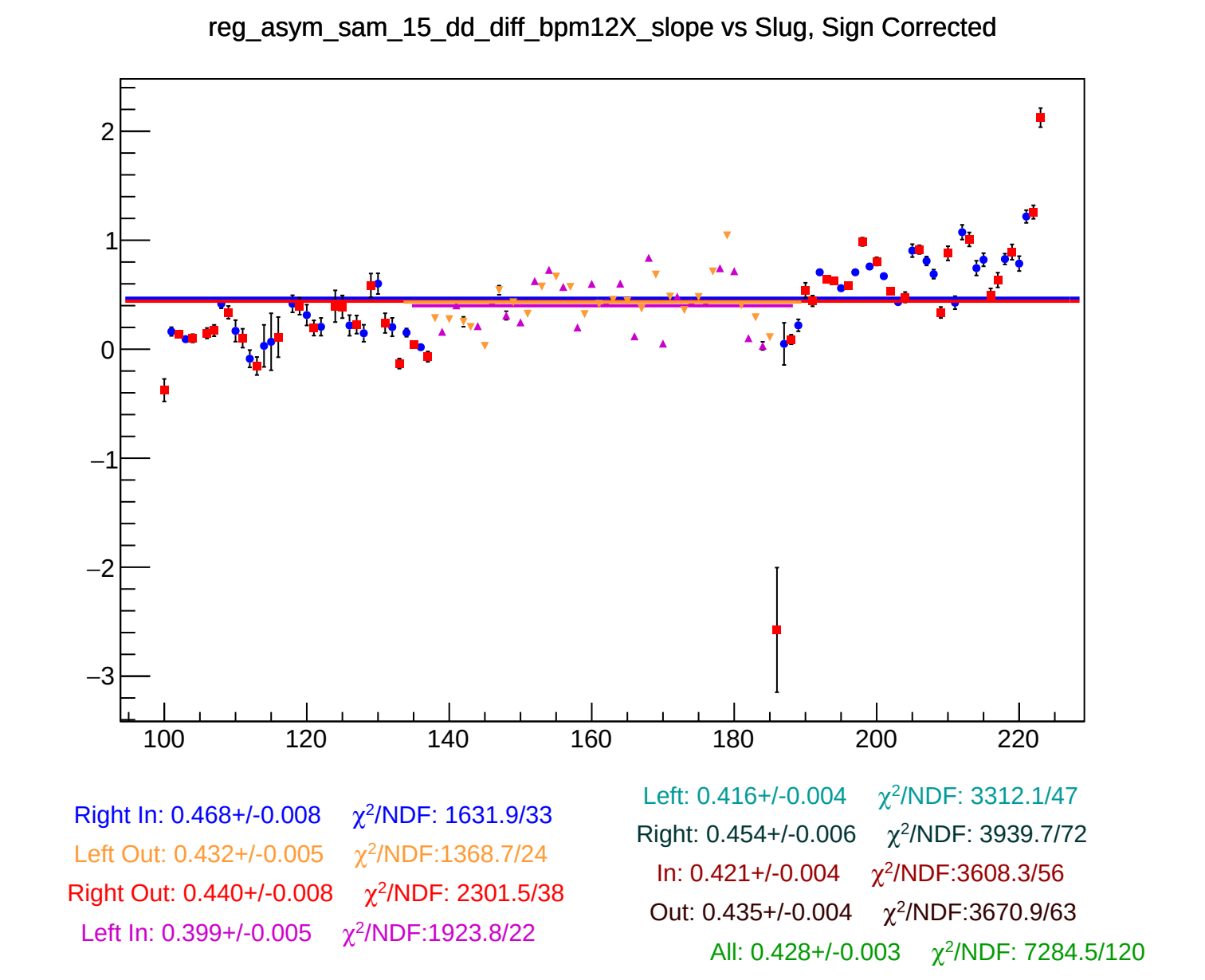
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

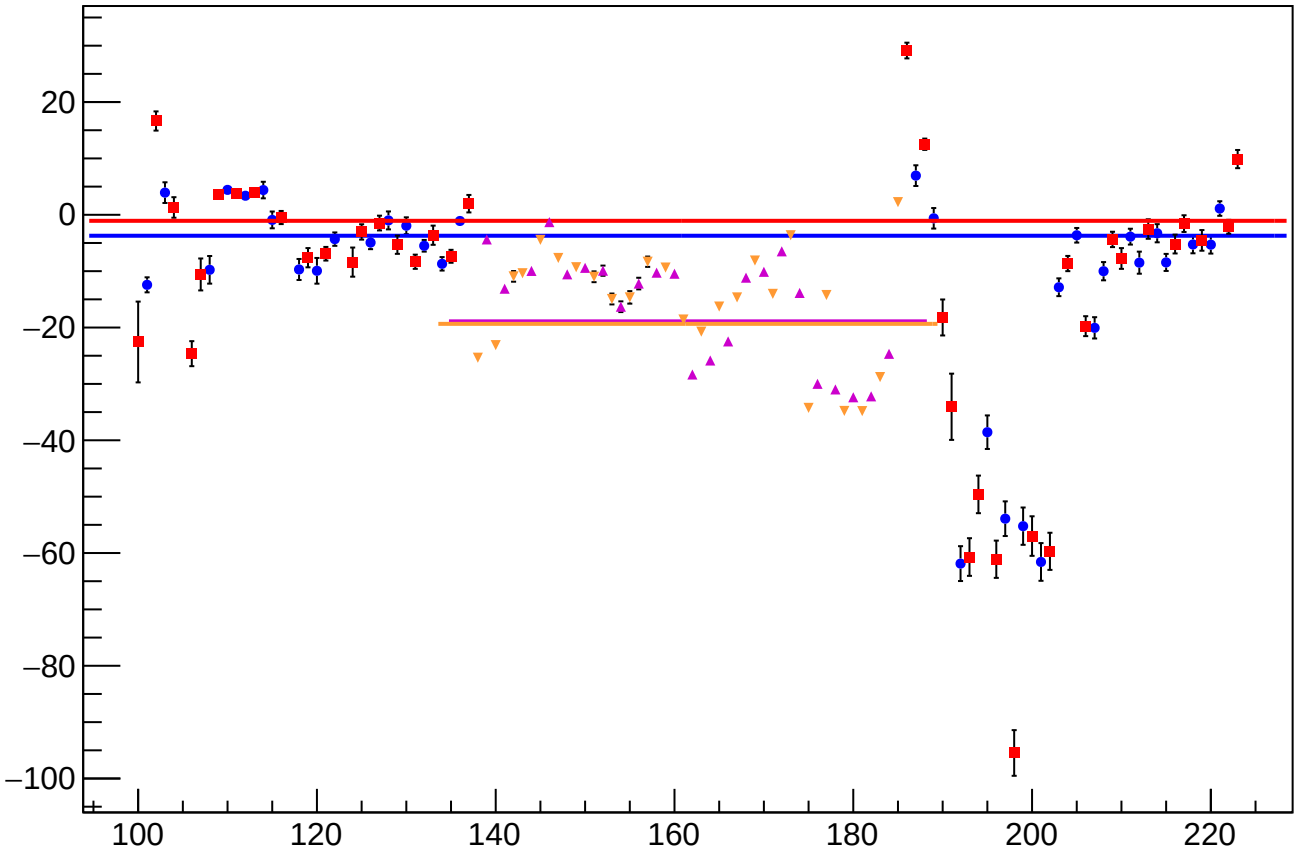
Right: -21.743+/-0.127 χ^2/NDF: 24160.9/72

In: -33.638+/-0.103 χ^2/NDF:18010.5/56

Out: -33.601+/-0.099 χ^2/NDF:21229.5/63

All: -33.619+/-0.071 χ^2/NDF: 39240.1/120


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.468+/-0.008 χ²/NDF: 1631.9/33
Left Out: 0.432+/-0.005 χ²/NDF:1368.7/24
Right Out: 0.440+/-0.008 χ²/NDF: 2301.5/38
Left In: 0.399+/-0.005 χ²/NDF:1923.8/22
Left: 0.416+/-0.004 χ²/NDF: 3312.1/47
Right: 0.454+/-0.006 χ²/NDF: 3939.7/72
In: 0.421+/-0.004 χ²/NDF:3608.3/56
Out: 0.435+/-0.004 χ²/NDF:3670.9/63
All: 0.428+/-0.003 χ²/NDF: 7284.5/120



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

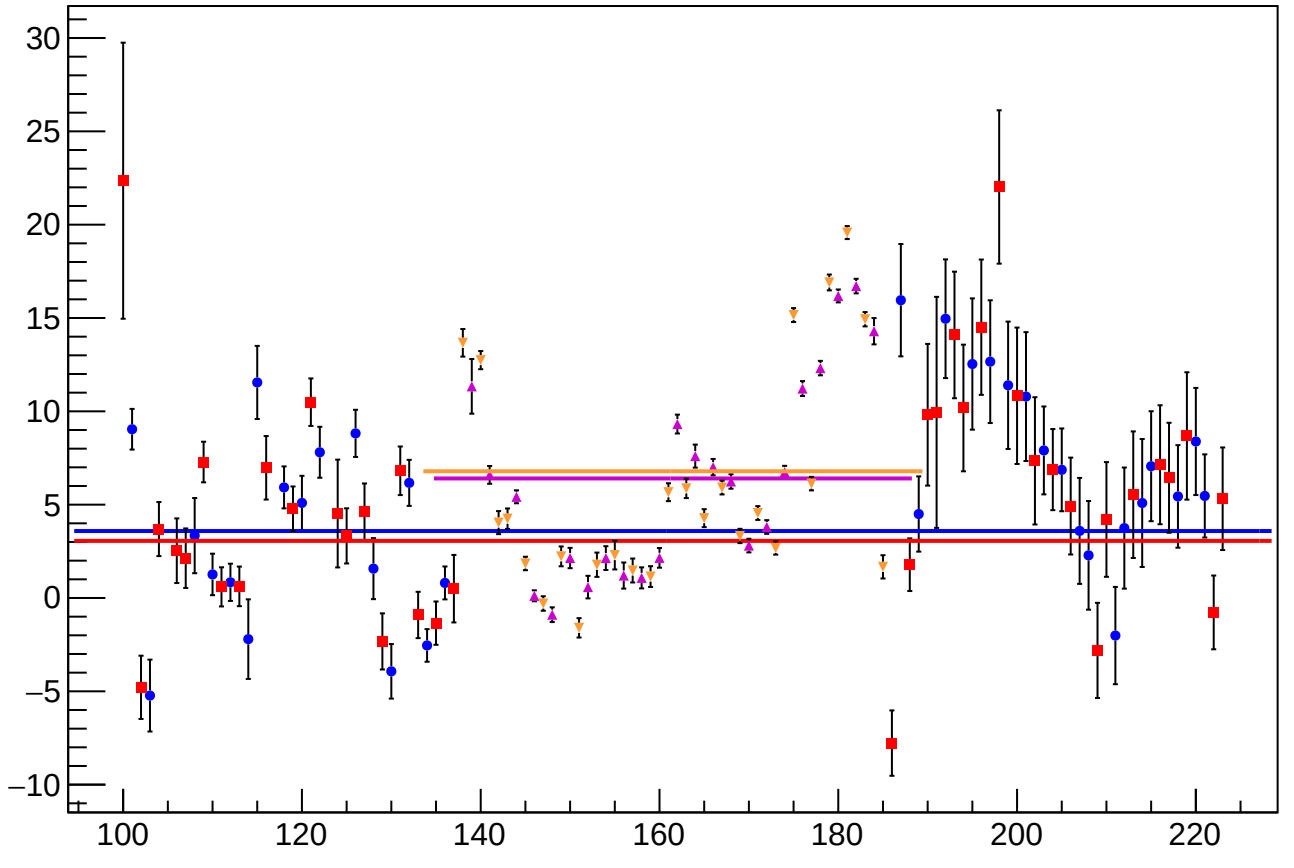
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

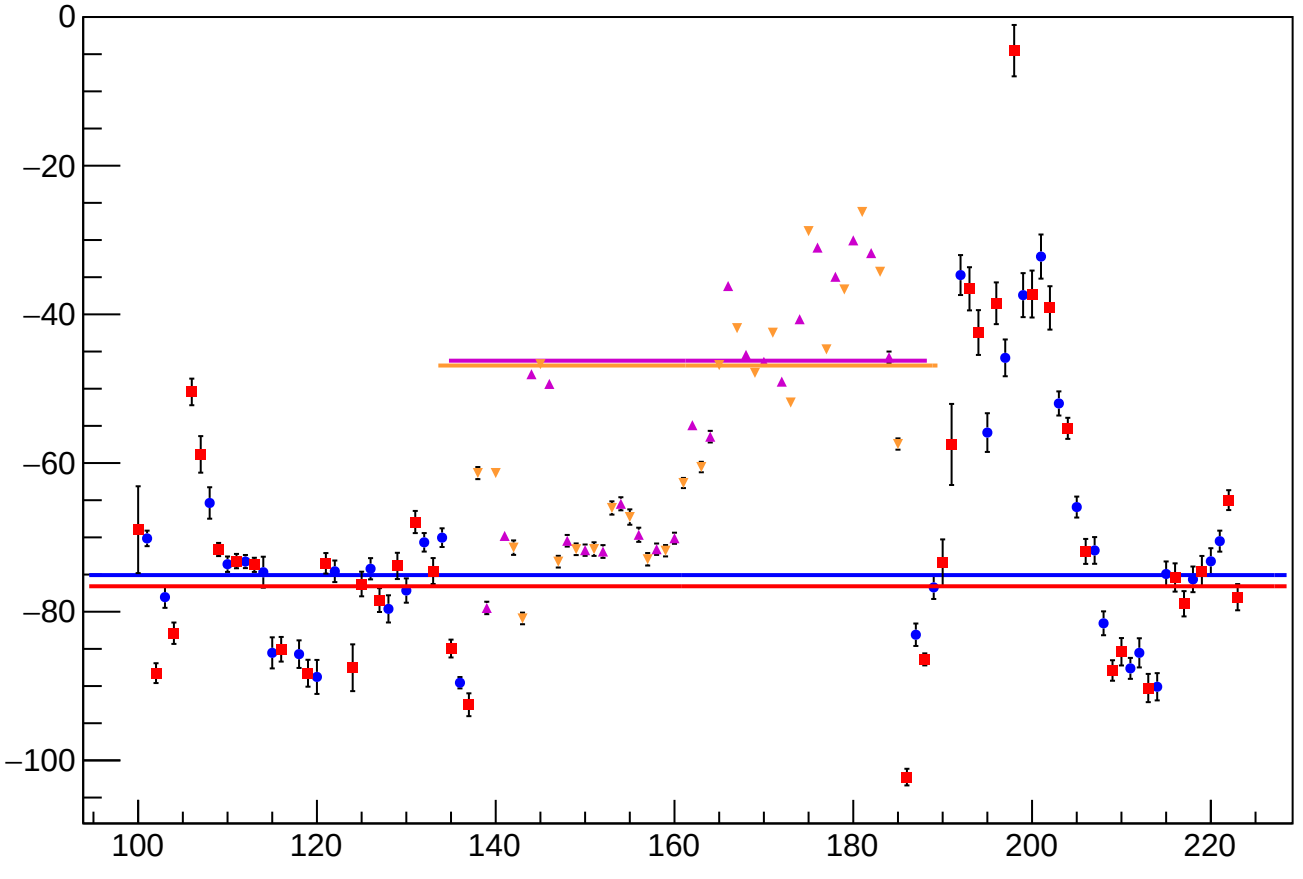
Right: -2.324+/-0.160 χ^2/NDF: 5429.2/72

In: -15.874+/-0.104 χ^2/NDF:13605.3/56

Out: -15.543+/-0.101 χ^2/NDF:19256.4/63

All: -15.704+/-0.072 χ^2/NDF: 32867.0/120


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
220
Right In: 3.587+/-0.283 χ²/NDF: 275.0/33
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 3.059+/-0.284 χ²/NDF: 261.0/38
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.324+/-0.200 χ²/NDF: 537.7/72
In: 6.139+/-0.087 χ²/NDF:3775.3/56
Out: 6.446+/-0.086 χ²/NDF:5050.3/63
All: 6.294+/-0.061 χ²/NDF: 8832.0/120



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

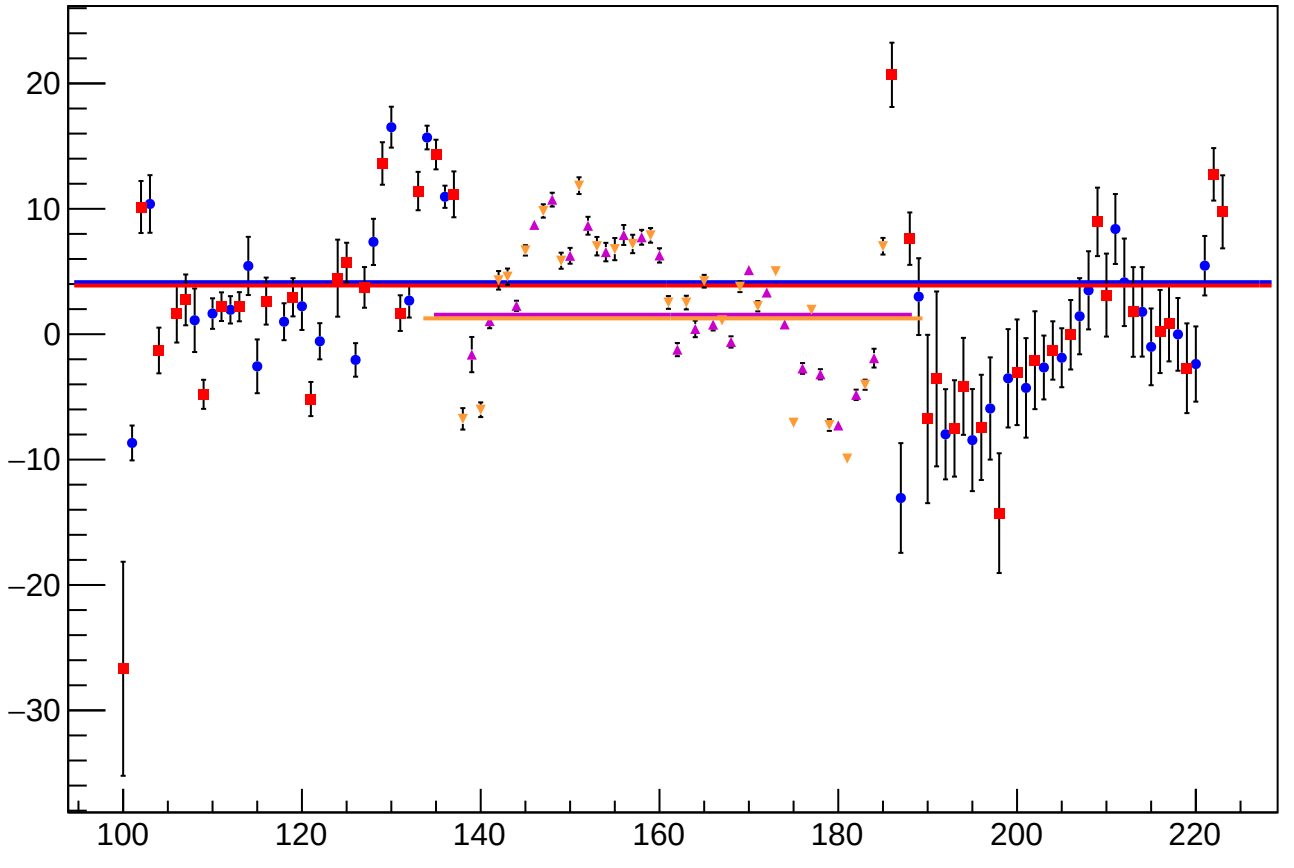
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -75.850+/-0.179 χ^2/NDF: 4921.7/72

In: -51.113+/-0.106 χ^2/NDF:27396.7/56

Out: -52.007+/-0.104 χ^2/NDF:32796.5/63

All: -51.570+/-0.074 χ^2/NDF: 60229.6/120



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

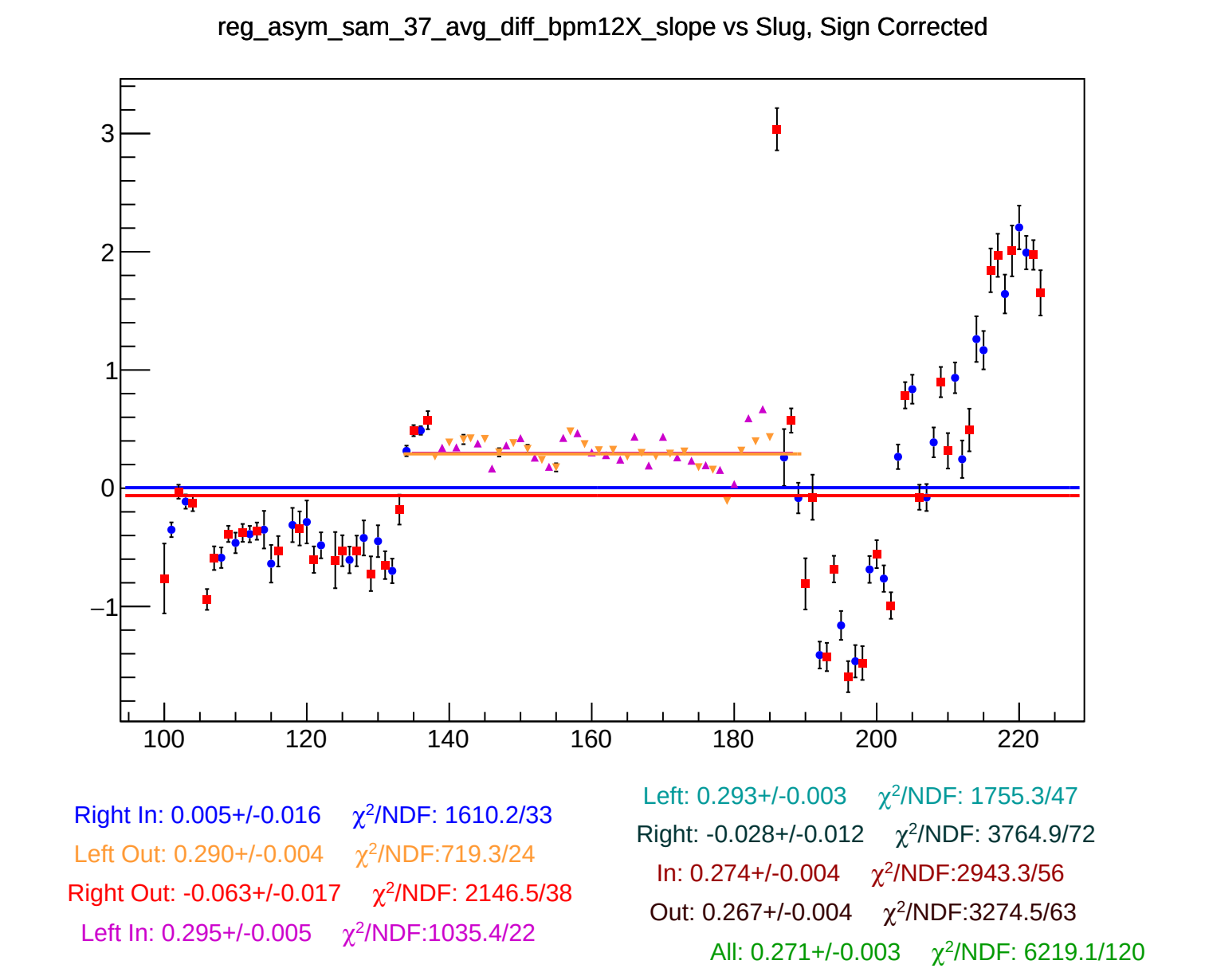
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

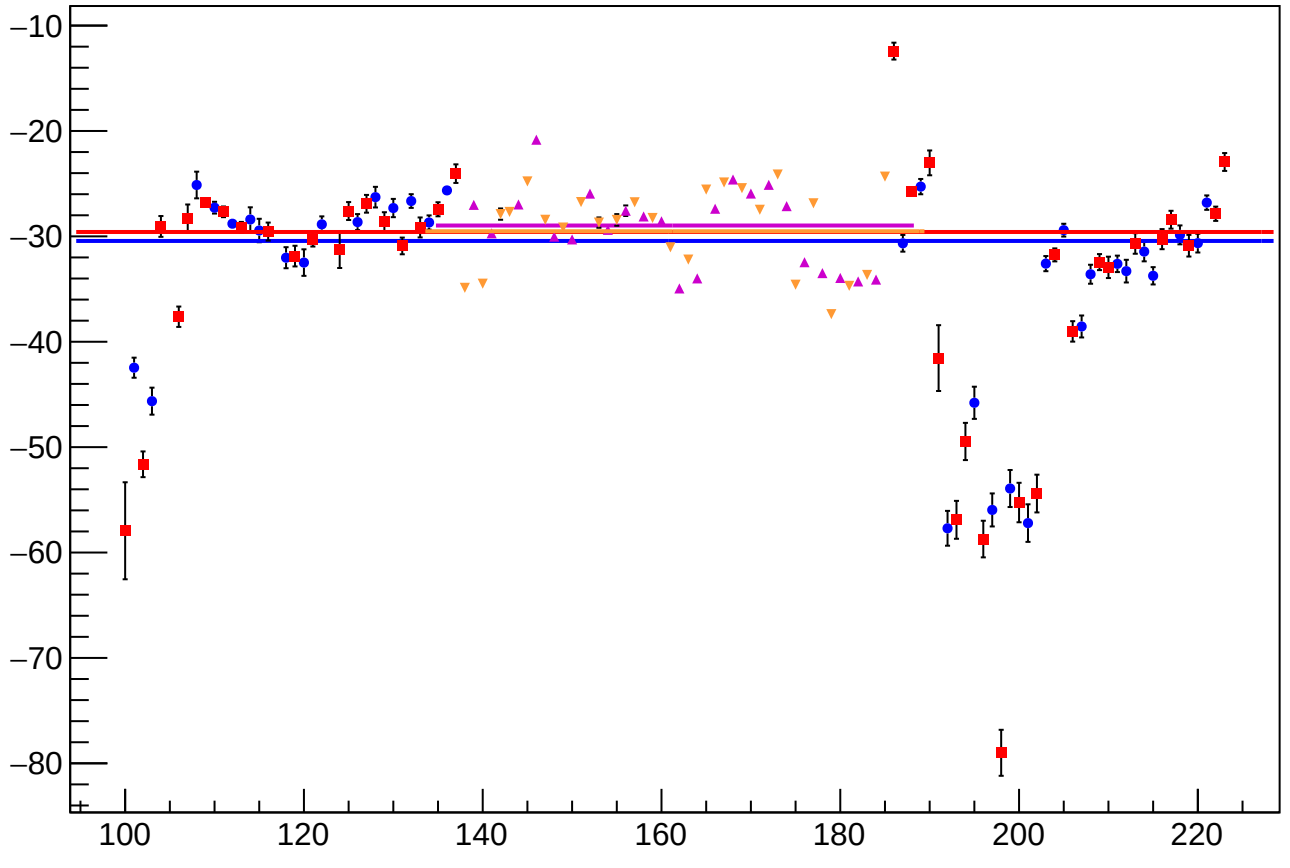
Right: 4.020+/-0.225 χ^2/NDF: 918.4/72

In: 1.796+/-0.097 χ^2/NDF:2895.4/56

Out: 1.495+/-0.096 χ^2/NDF:3926.0/63

All: 1.643+/-0.068 χ^2/NDF: 6826.2/120


reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: 0.005+/-0.016 χ²/NDF: 1610.2/33
Left Out: 0.290+/-0.004 χ²/NDF:719.3/24
Right Out: -0.063+/-0.017 χ²/NDF: 2146.5/38
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.028+/-0.012 χ²/NDF: 3764.9/72
In: 0.274+/-0.004 χ²/NDF:2943.3/56
Out: 0.267+/-0.004 χ²/NDF:3274.5/63
All: 0.271+/-0.003 χ²/NDF: 6219.1/120



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

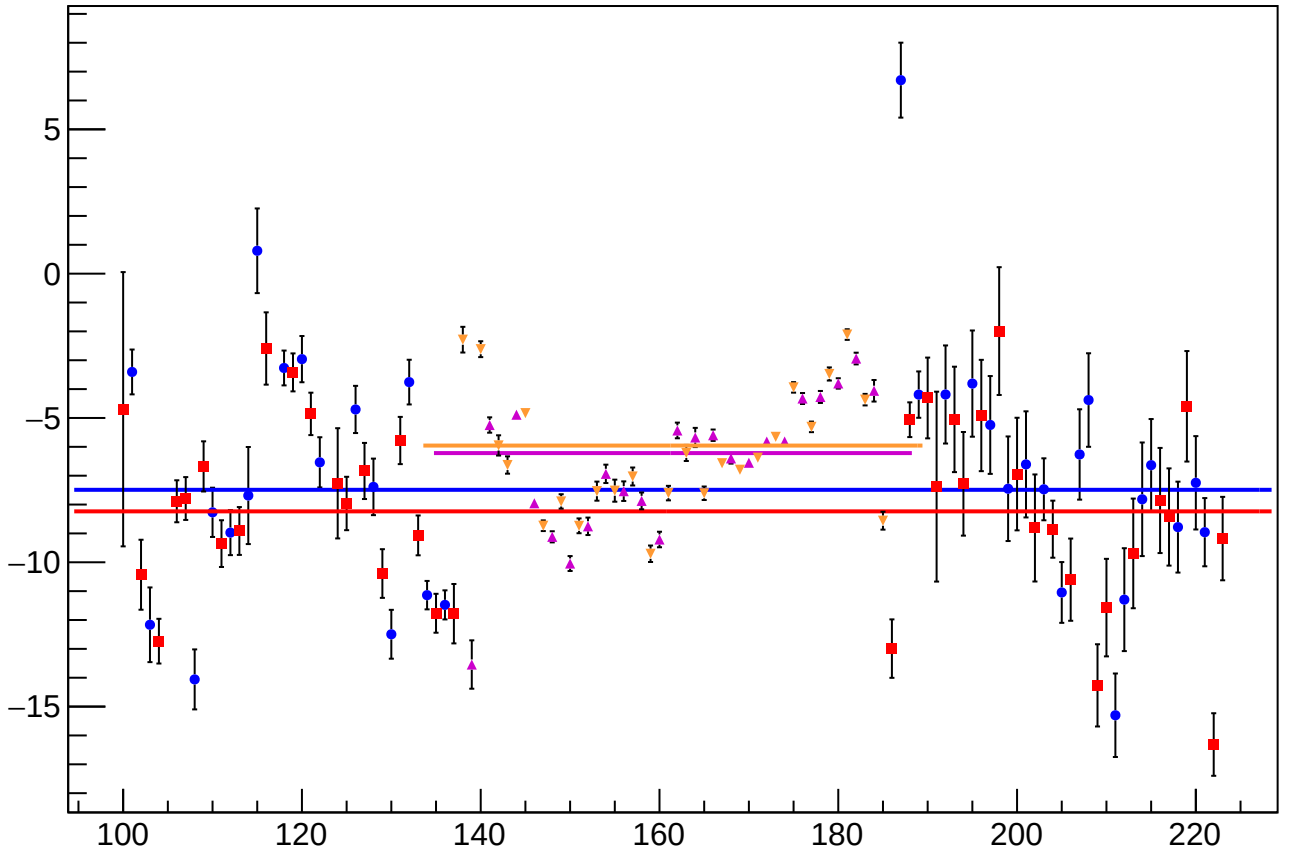
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.996+/-0.098 χ^2/NDF: 4714.2/72

In: -29.178+/-0.053 χ^2/NDF:7256.2/56

Out: -29.526+/-0.052 χ^2/NDF:8969.9/63

All: -29.355+/-0.037 χ^2/NDF: 16248.1/120



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

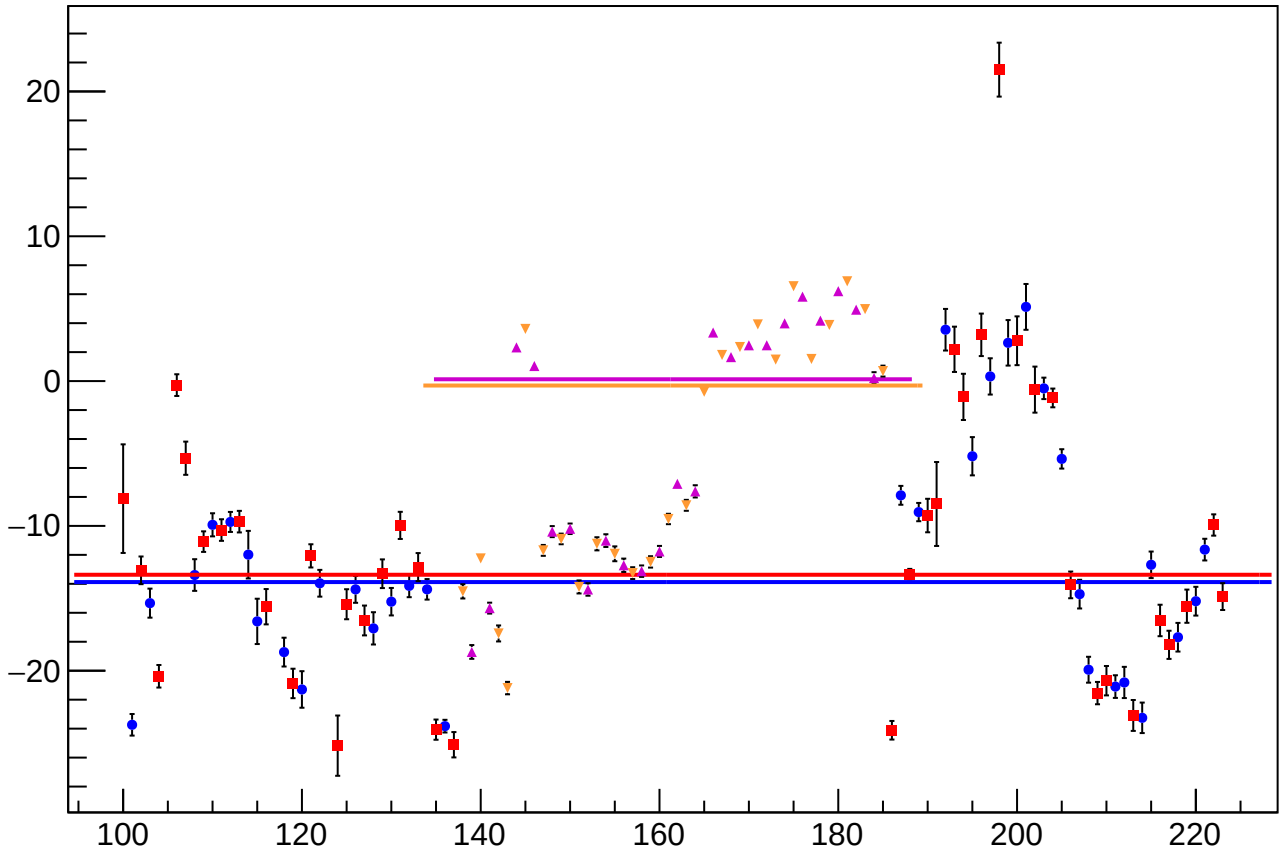
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.869+/-0.118 χ^2/NDF: 950.1/72

In: -6.299+/-0.043 χ^2/NDF:2380.1/56

Out: -6.110+/-0.043 χ^2/NDF:2391.3/63

All: -6.205+/-0.030 χ^2/NDF: 4781.1/120



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

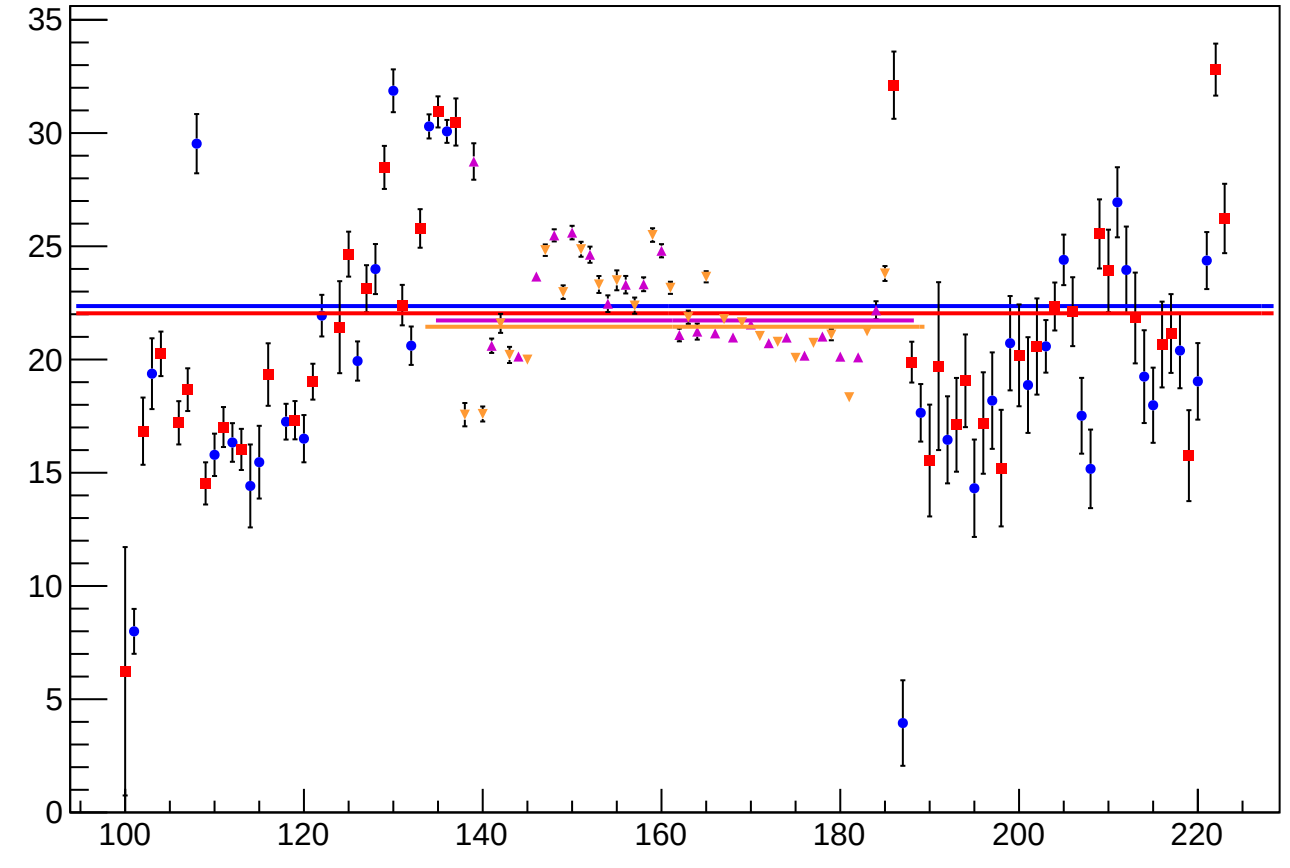
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.615+/-0.103 χ^2/NDF: 5095.5/72

In: -1.659+/-0.053 χ^2/NDF:23837.7/56

Out: -2.084+/-0.053 χ^2/NDF:27221.0/63

All: -1.874+/-0.037 χ^2/NDF: 51091.0/120



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

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

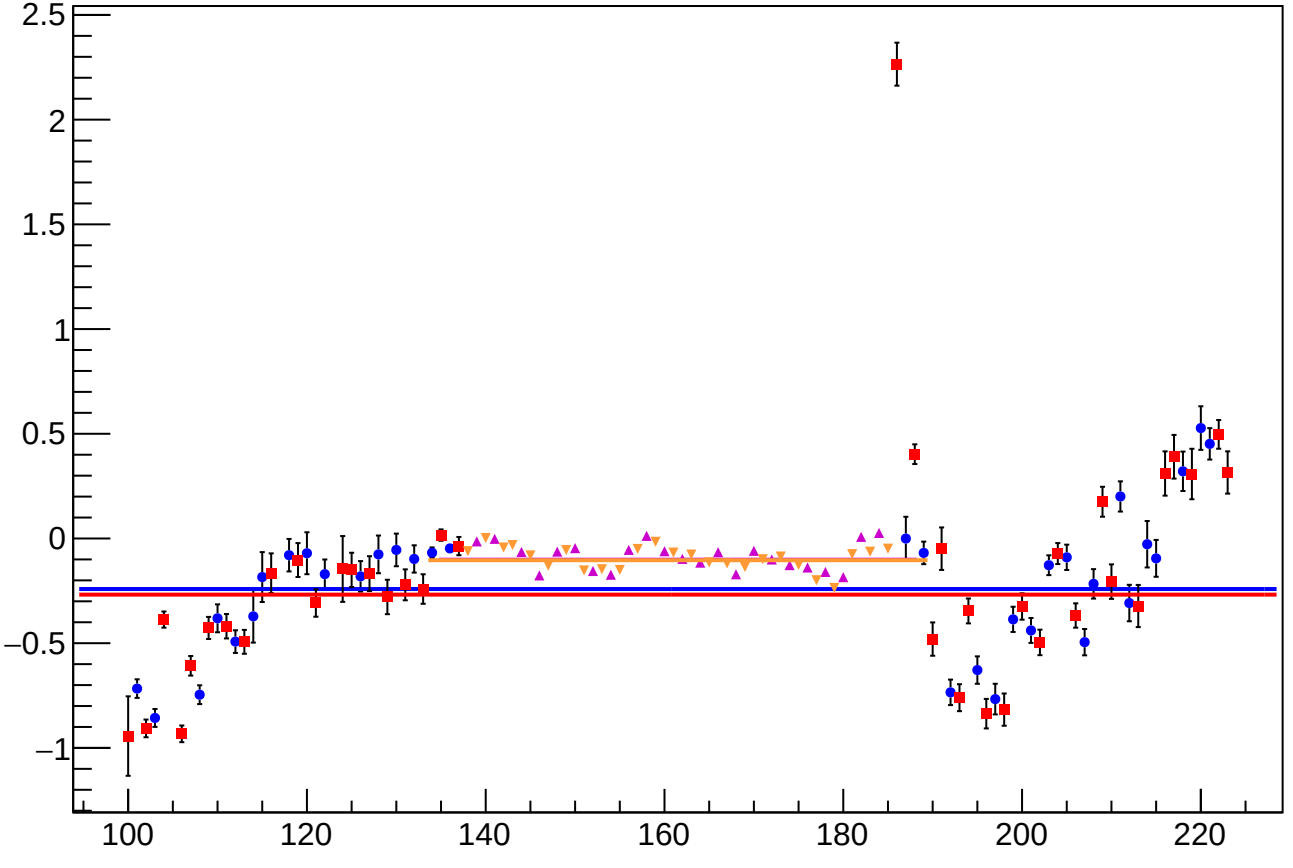
Right: 22.202+/-0.134 χ^2/NDF: 1974.3/72

In: 21.766+/-0.048 χ^2/NDF:2404.9/56

Out: 21.484+/-0.048 χ^2/NDF:2086.5/63

All: 21.625+/-0.034 χ^2/NDF: 4508.7/120

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

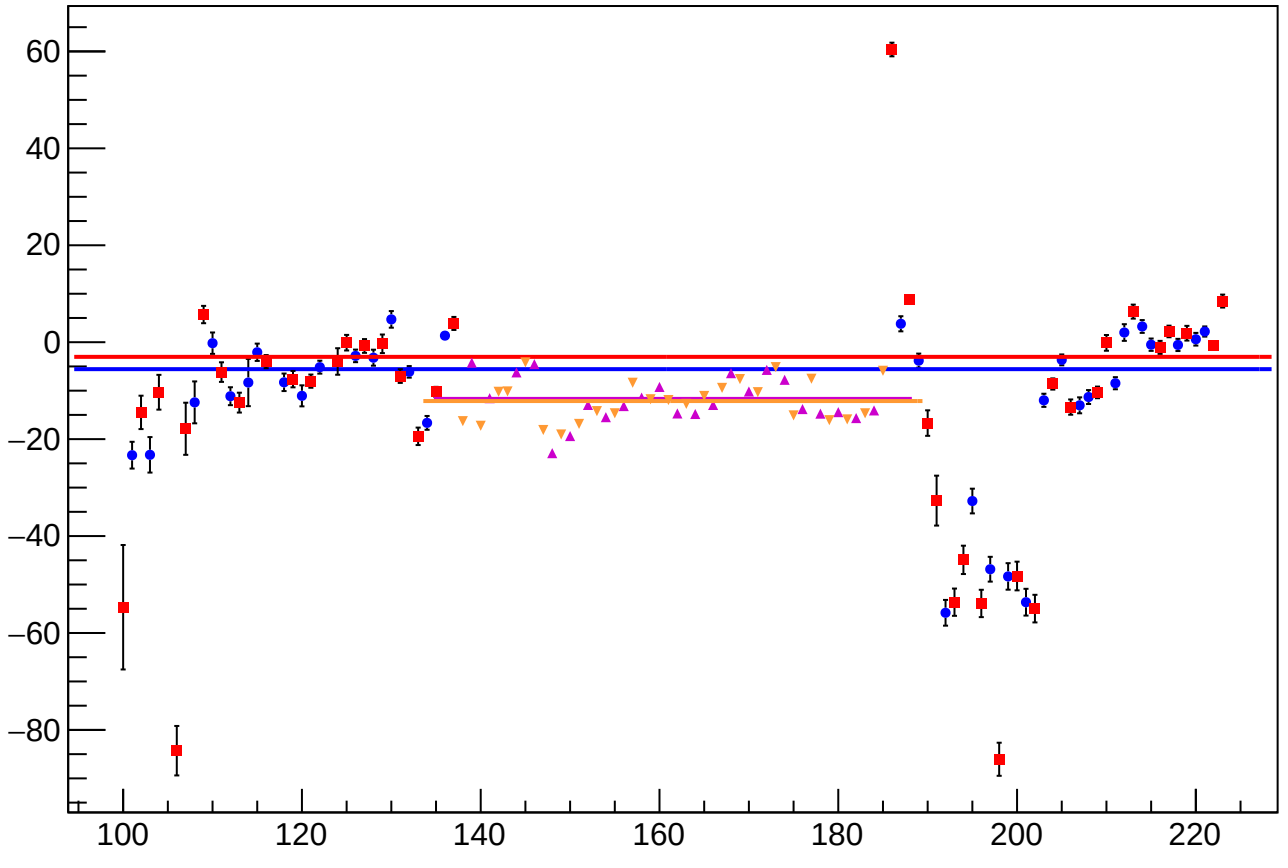
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.254+/-0.007 χ^2/NDF: 3157.0/72

In: -0.109+/-0.002 χ^2/NDF:2032.1/56

Out: -0.112+/-0.002 χ^2/NDF:2902.1/63

All: -0.110+/-0.002 χ^2/NDF: 4935.2/120



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

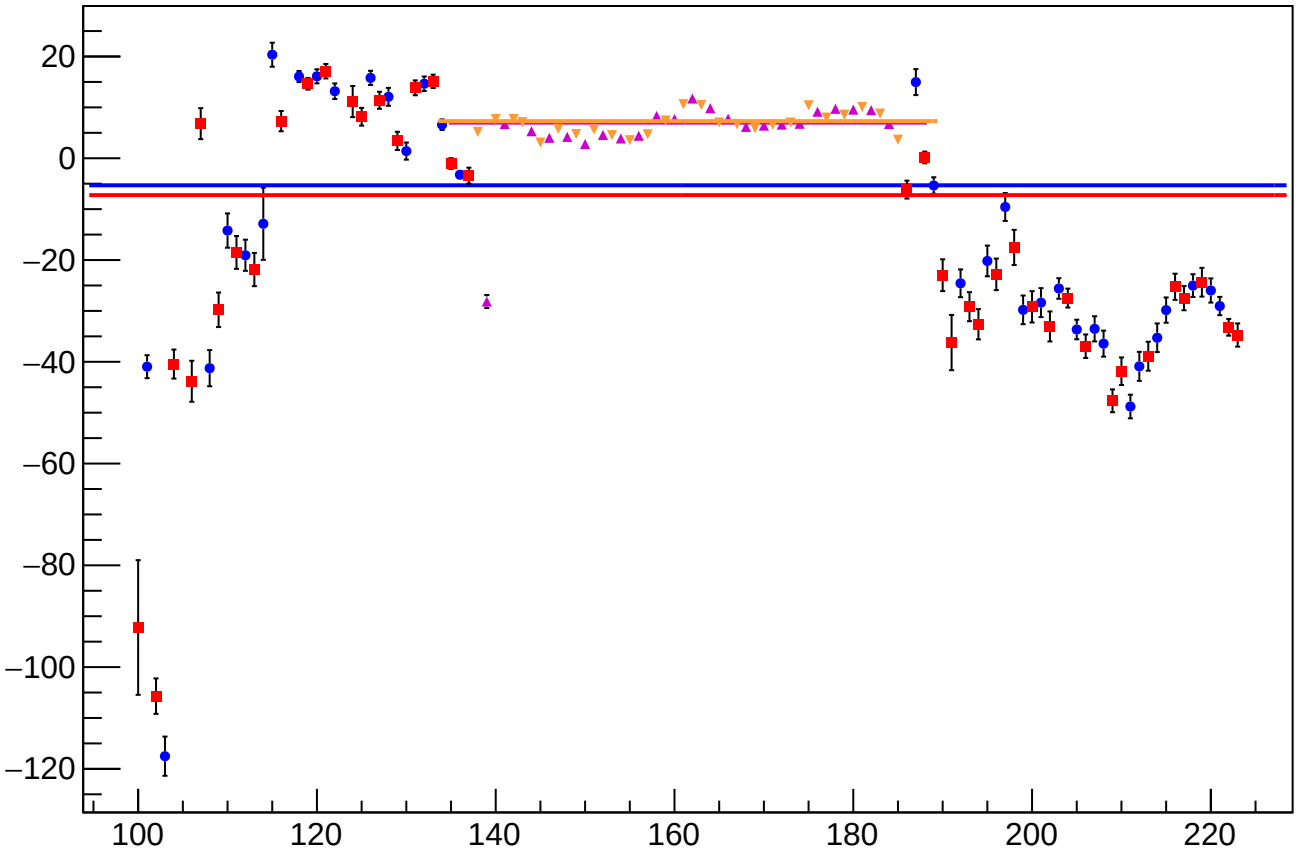
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -4.299+/-0.183 χ^2/NDF: 7000.7/72

In: -10.979+/-0.089 χ^2/NDF:4306.9/56

Out: -11.138+/-0.086 χ^2/NDF:8318.1/63

All: -11.061+/-0.062 χ^2/NDF: 12626.6/120



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

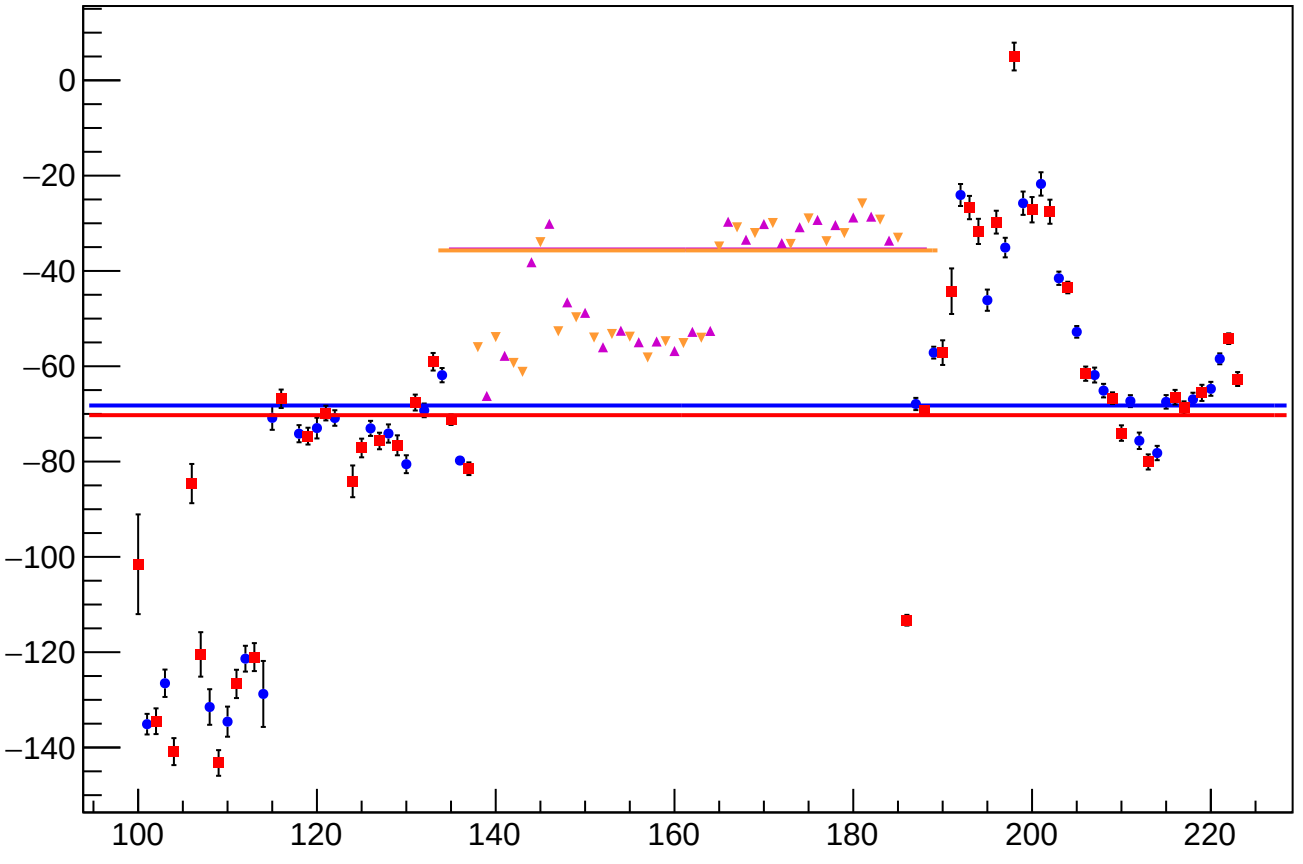
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: -6.247+/-0.227 χ^2/NDF: 9247.7/72

In: 6.330+/-0.074 χ^2/NDF:7725.7/56

Out: 6.567+/-0.073 χ^2/NDF:7228.8/63

All: 6.450+/-0.052 χ^2/NDF: 14959.7/120



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

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

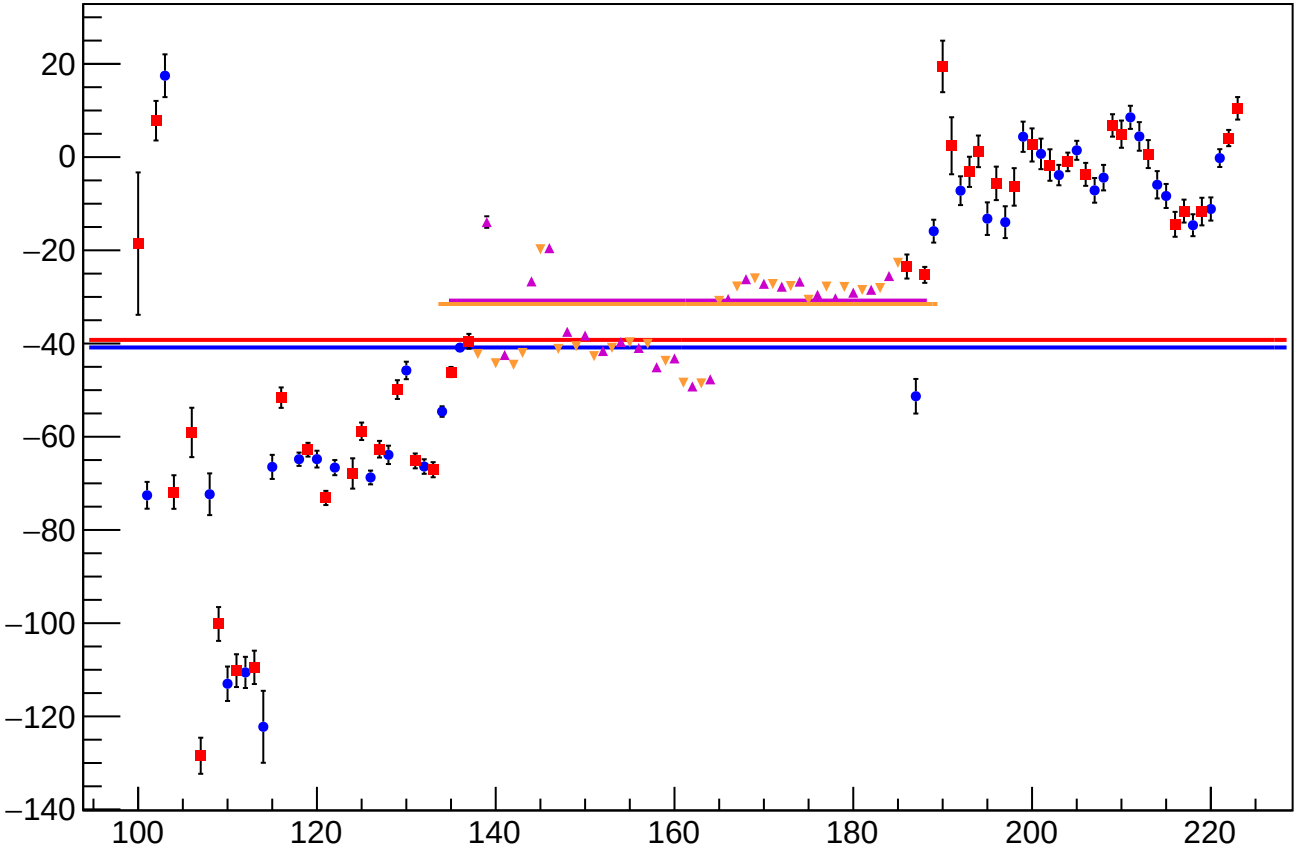
Right: -69.260+/-0.190 χ^2/NDF: 12390.1/72

In: -39.073+/-0.089 χ^2/NDF:29346.2/56

Out: -39.374+/-0.087 χ^2/NDF:35013.3/63

All: -39.227+/-0.062 χ^2/NDF: 64365.3/120

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

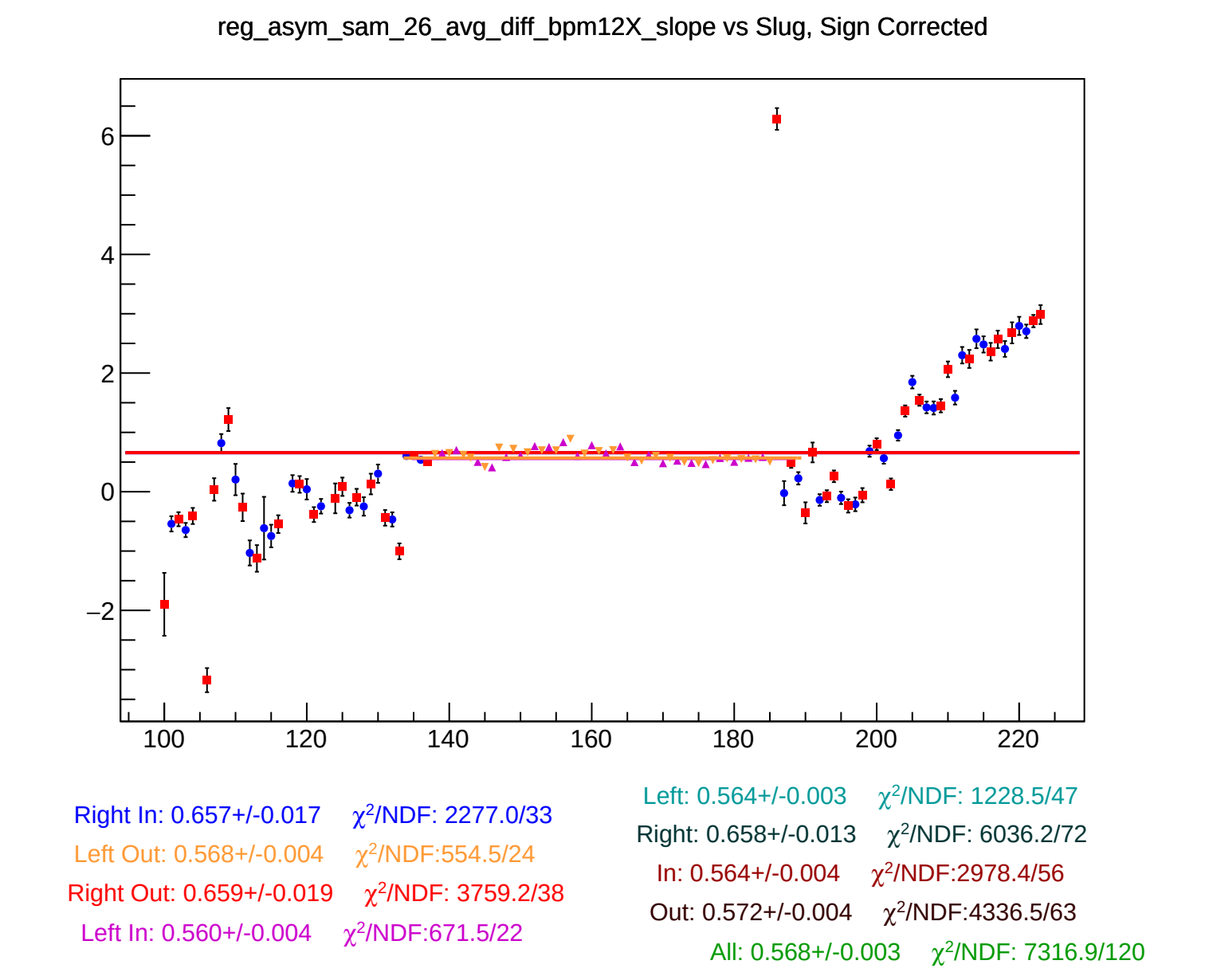
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

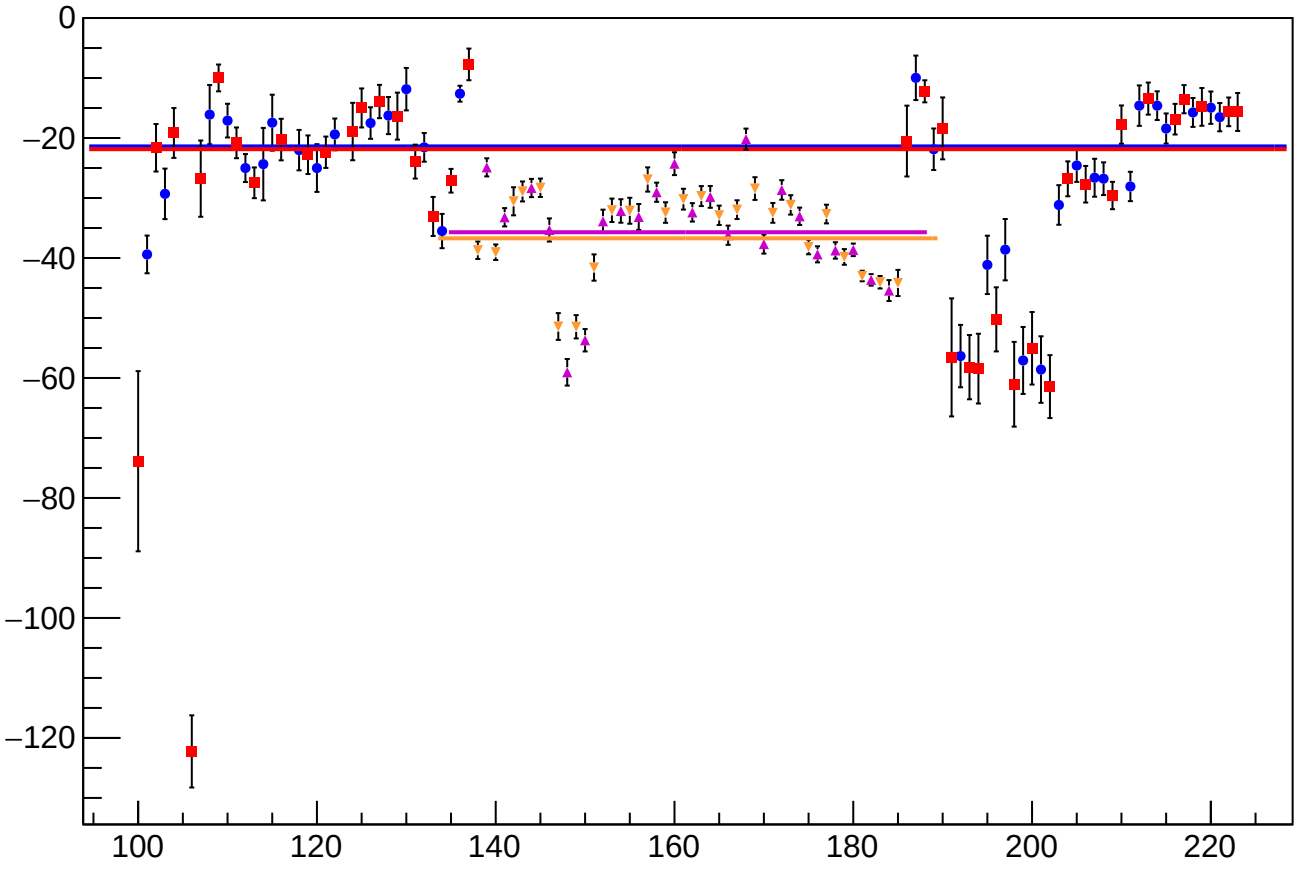
Right: -40.074+/-0.255 χ^2/NDF: 13618.9/72

In: -31.336+/-0.082 χ^2/NDF:14702.7/56

Out: -31.887+/-0.081 χ^2/NDF:16098.7/63

All: -31.615+/-0.058 χ^2/NDF: 30824.3/120


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: 0.657+/-0.017 χ²/NDF: 2277.0/33
Left Out: 0.568+/-0.004 χ²/NDF:554.5/24
Right Out: 0.659+/-0.019 χ²/NDF: 3759.2/38
Left In: 0.560+/-0.004 χ²/NDF:671.5/22
Left: 0.564+/-0.003 χ²/NDF: 1228.5/47
Right: 0.658+/-0.013 χ²/NDF: 6036.2/72
In: 0.564+/-0.004 χ²/NDF:2978.4/56
Out: 0.572+/-0.004 χ²/NDF:4336.5/63
All: 0.568+/-0.003 χ²/NDF: 7316.9/120



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

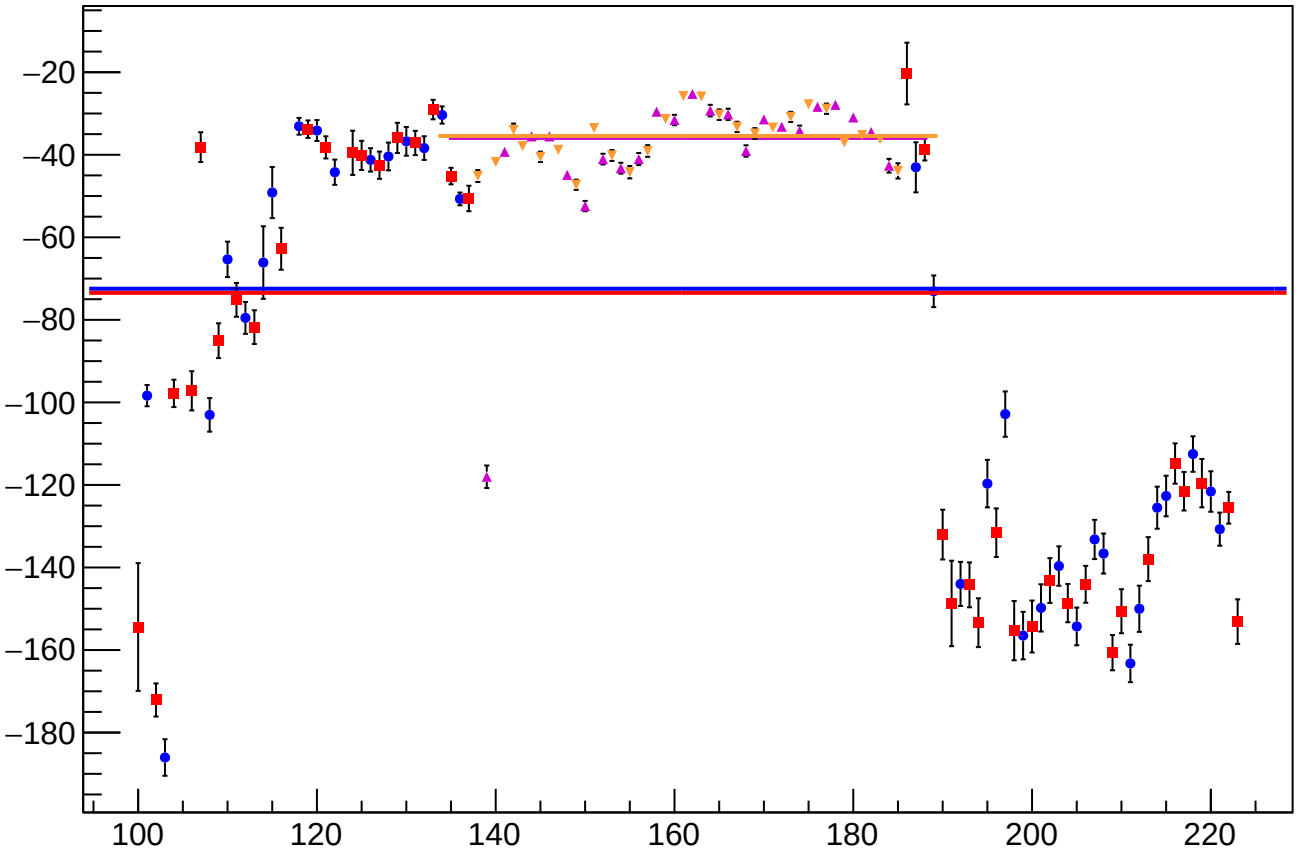
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -21.631+/-0.357 χ^2/NDF: 1069.2/72

In: -31.530+/-0.272 χ^2/NDF:1497.1/56

Out: -32.681+/-0.265 χ^2/NDF:1767.4/63

All: -32.121+/-0.190 χ^2/NDF: 3273.7/120



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

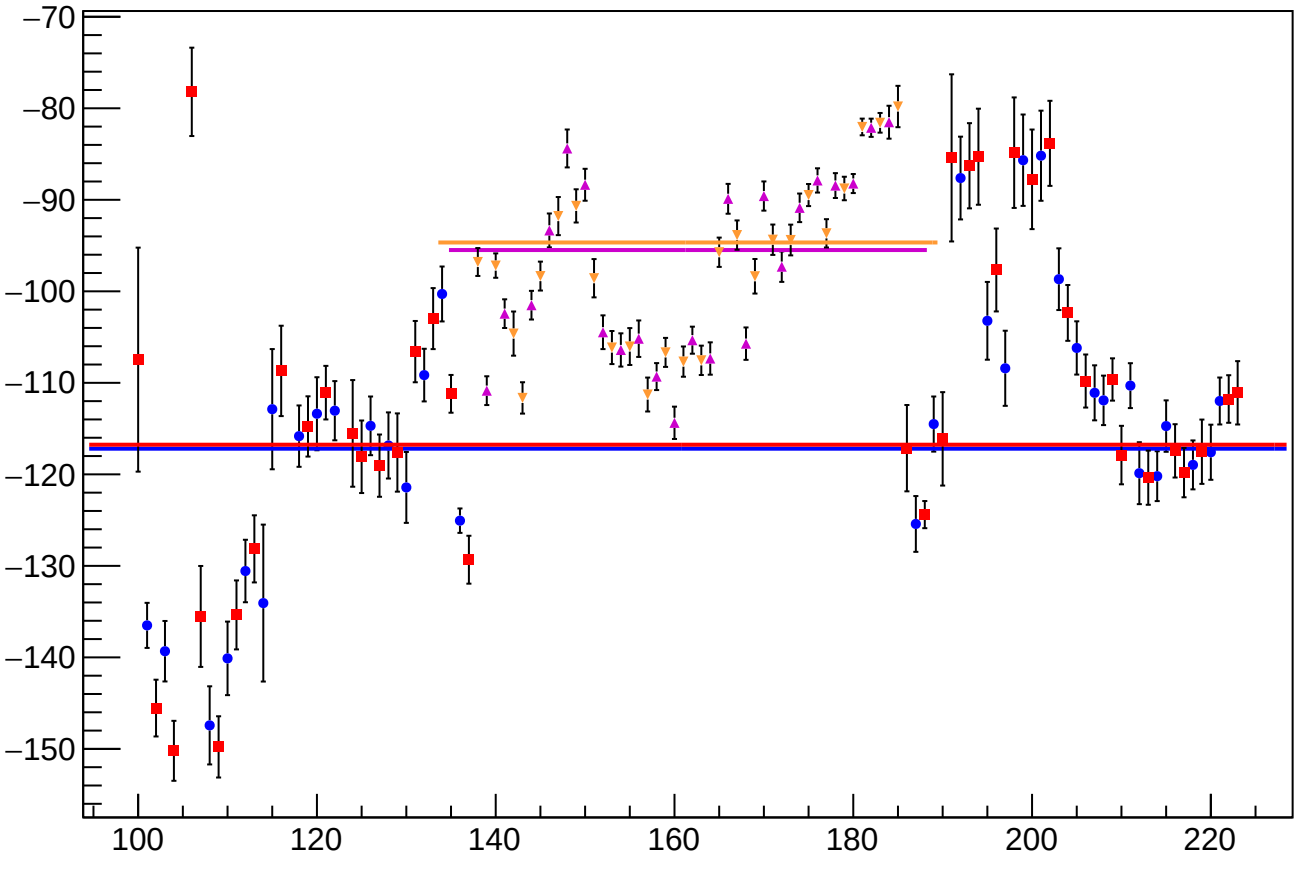
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -72.939+/-0.433 χ^2/NDF: 10985.0/72

In: -41.490+/-0.236 χ^2/NDF:9995.9/56

Out: -40.564+/-0.228 χ^2/NDF:9421.3/63

All: -41.011+/-0.164 χ^2/NDF: 19425.2/120



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

Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

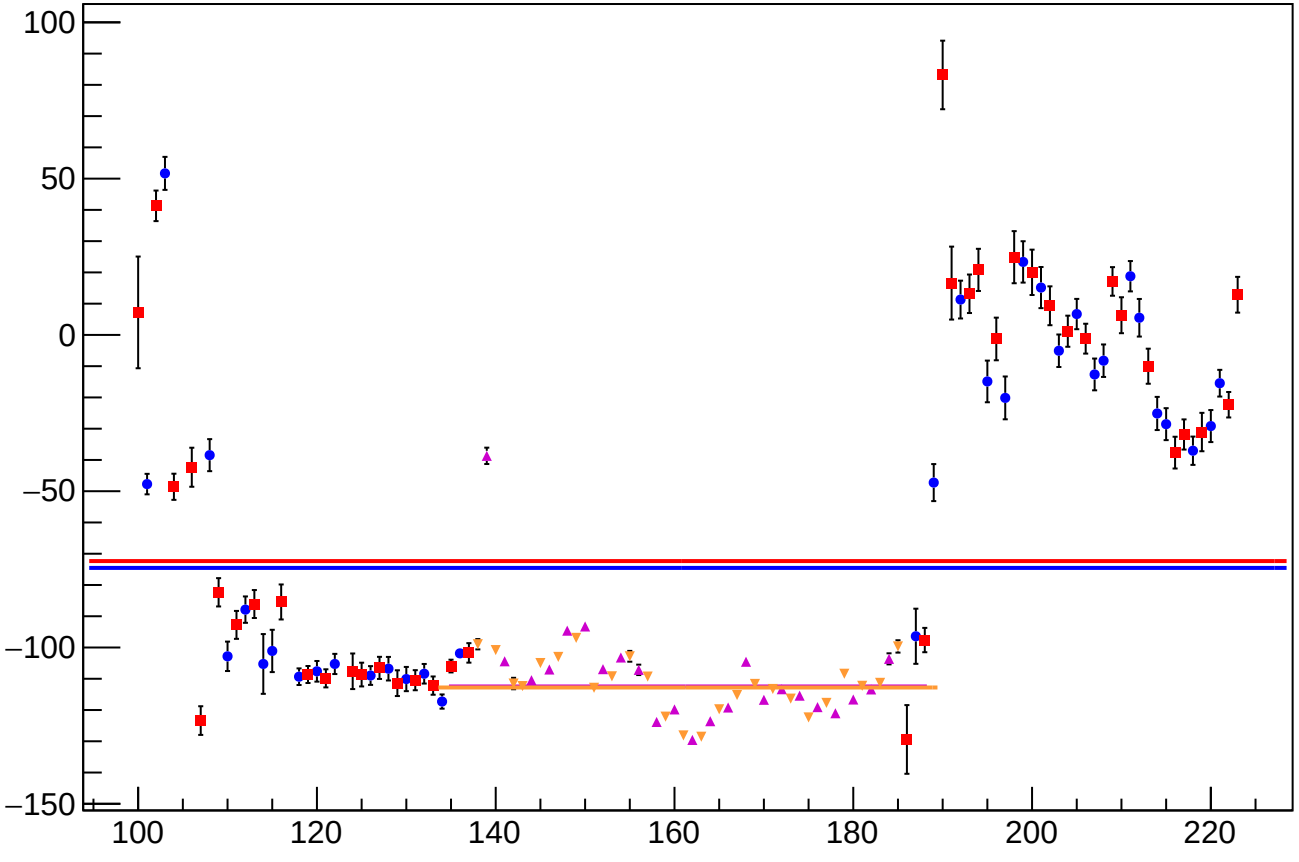
Right: -116.981+/-0.374 χ^2/NDF: 1253.9/72

In: -101.381+/-0.274 χ^2/NDF:2713.3/56

Out: -100.268+/-0.268 χ^2/NDF:2940.5/63

All: -100.811+/-0.192 χ^2/NDF: 5662.2/120

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

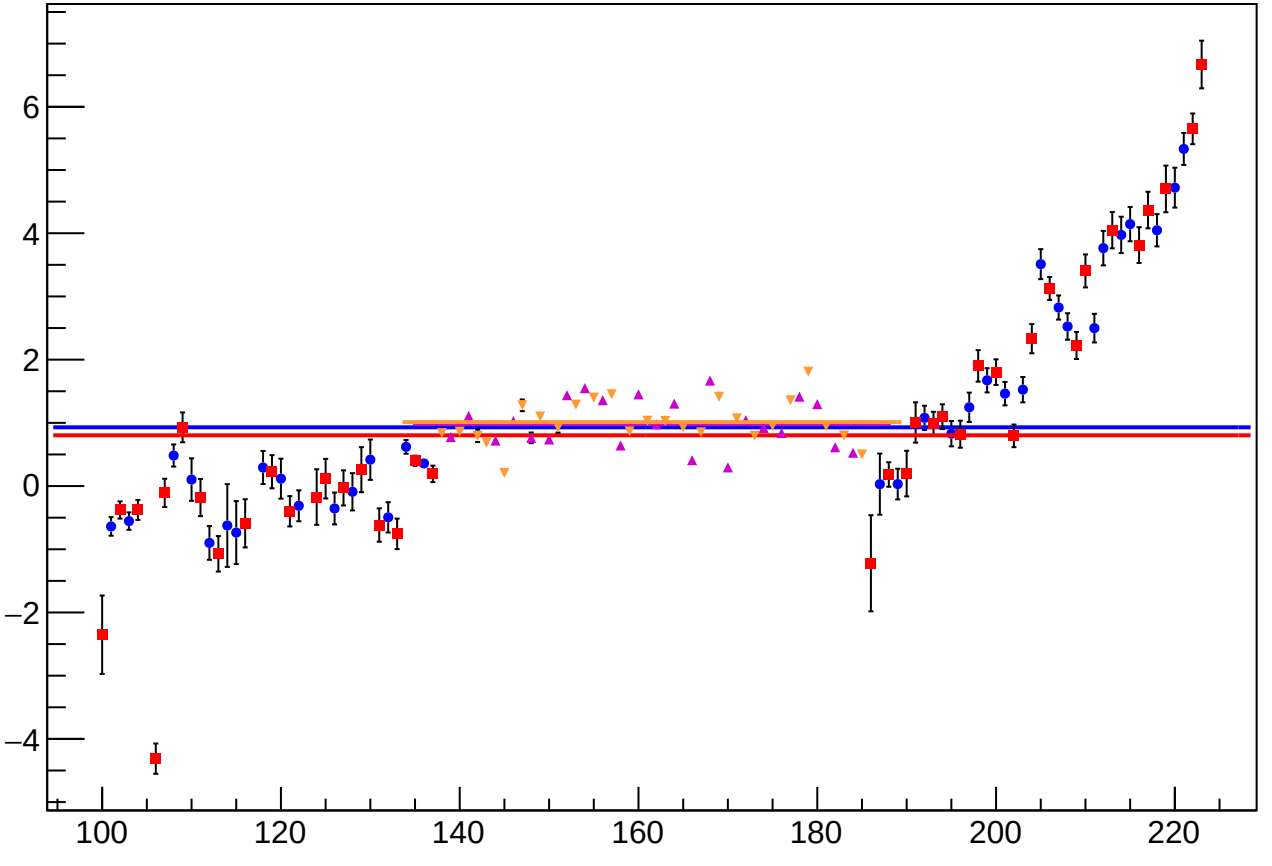
Right: -73.486+/-0.487 χ^2/NDF: 9884.0/72

In: -106.744+/-0.262 χ^2/NDF:9255.8/56

Out: -107.466+/-0.255 χ^2/NDF:8892.4/63

All: -107.115+/-0.183 χ^2/NDF: 18152.1/120

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

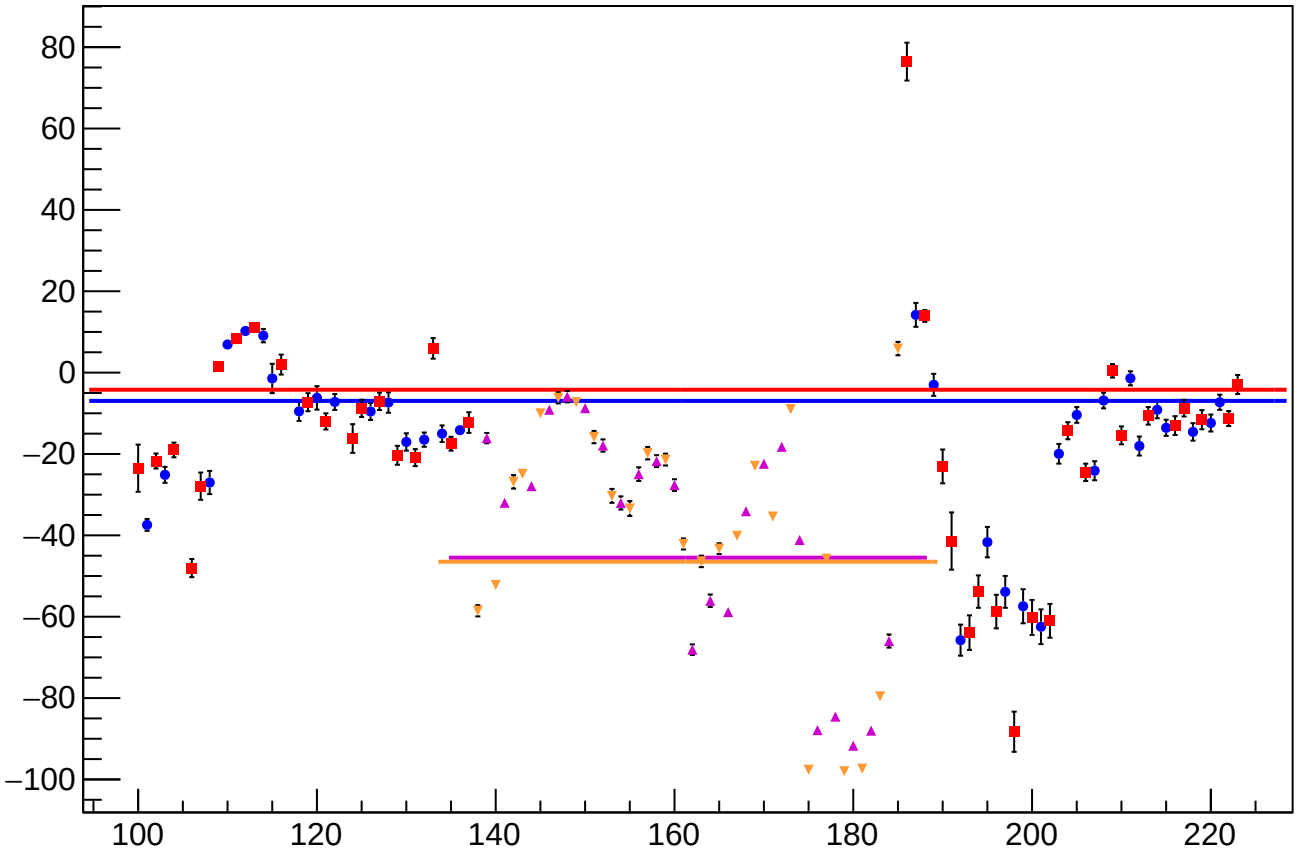
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.869+/-0.024 χ^2/NDF: 4274.3/72

In: 0.977+/-0.012 χ^2/NDF:2740.3/56

Out: 0.988+/-0.012 χ^2/NDF:3153.0/63

All: 0.983+/-0.008 χ^2/NDF: 5893.8/120



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

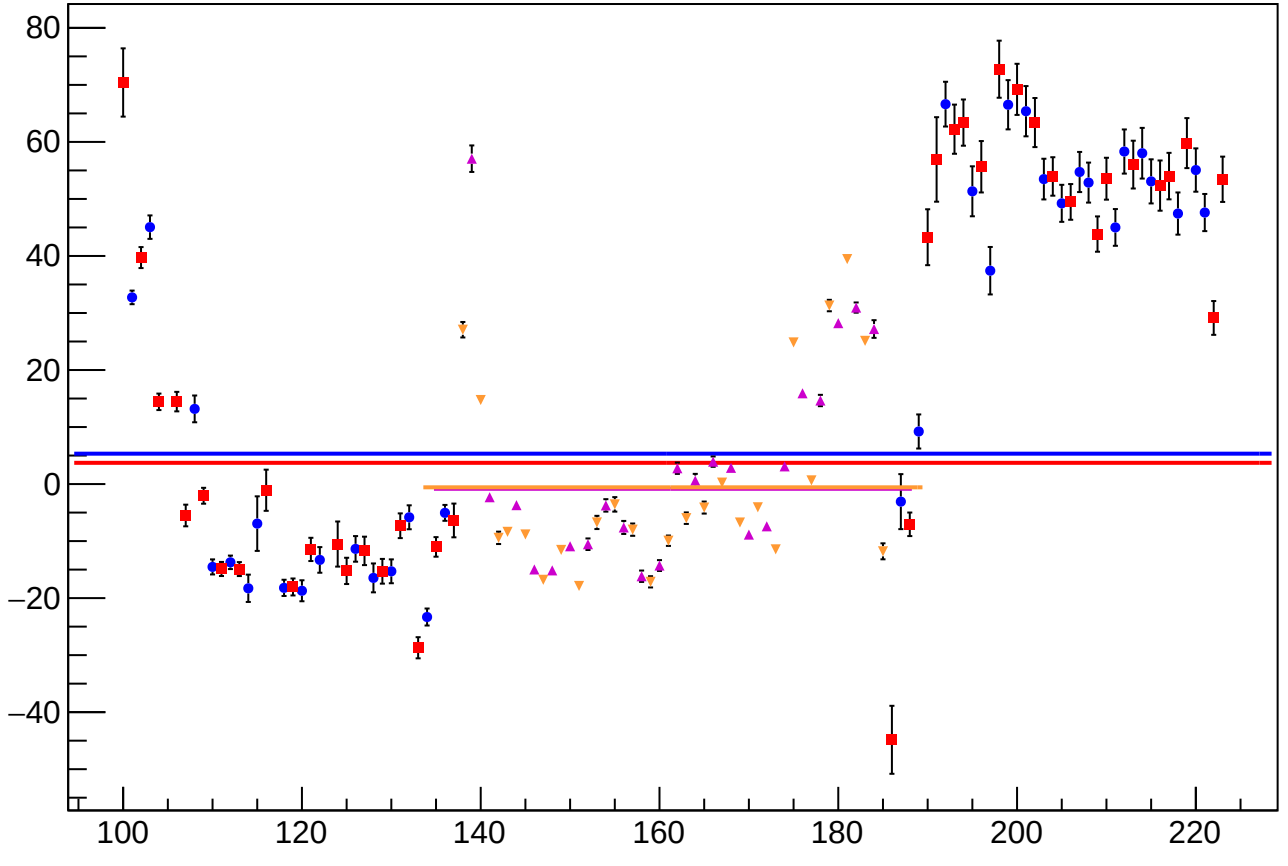
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -5.471+/-0.212 χ^2/NDF: 6106.0/72

In: -31.373+/-0.189 χ^2/NDF:27795.3/56

Out: -30.085+/-0.180 χ^2/NDF:36619.9/63

All: -30.697+/-0.130 χ^2/NDF: 64439.5/120



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

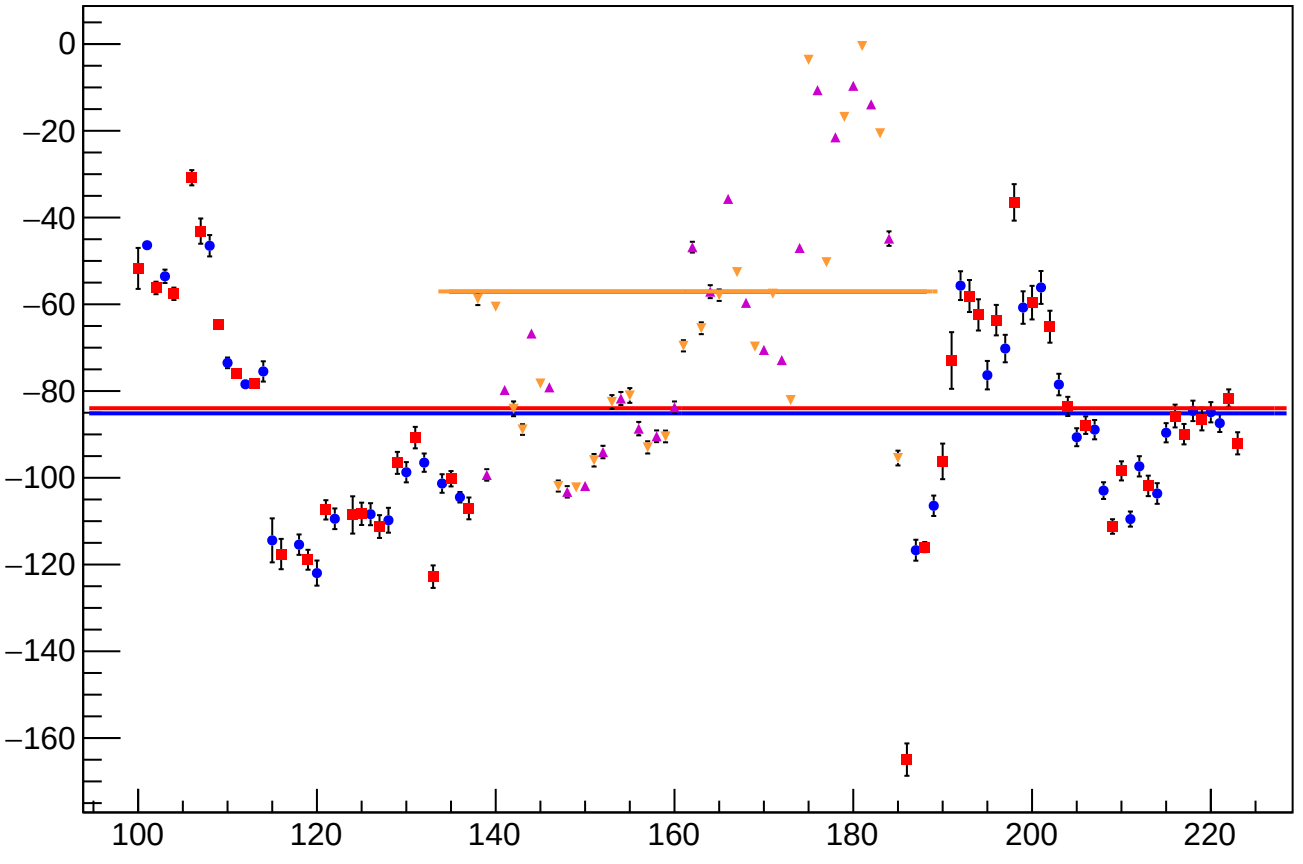
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 4.508+/-0.270 χ^2/NDF: 10289.7/72

In: 0.297+/-0.165 χ^2/NDF:11668.4/56

Out: 0.203+/-0.160 χ^2/NDF:13493.5/63

All: 0.249+/-0.115 χ^2/NDF: 25162.0/120



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

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

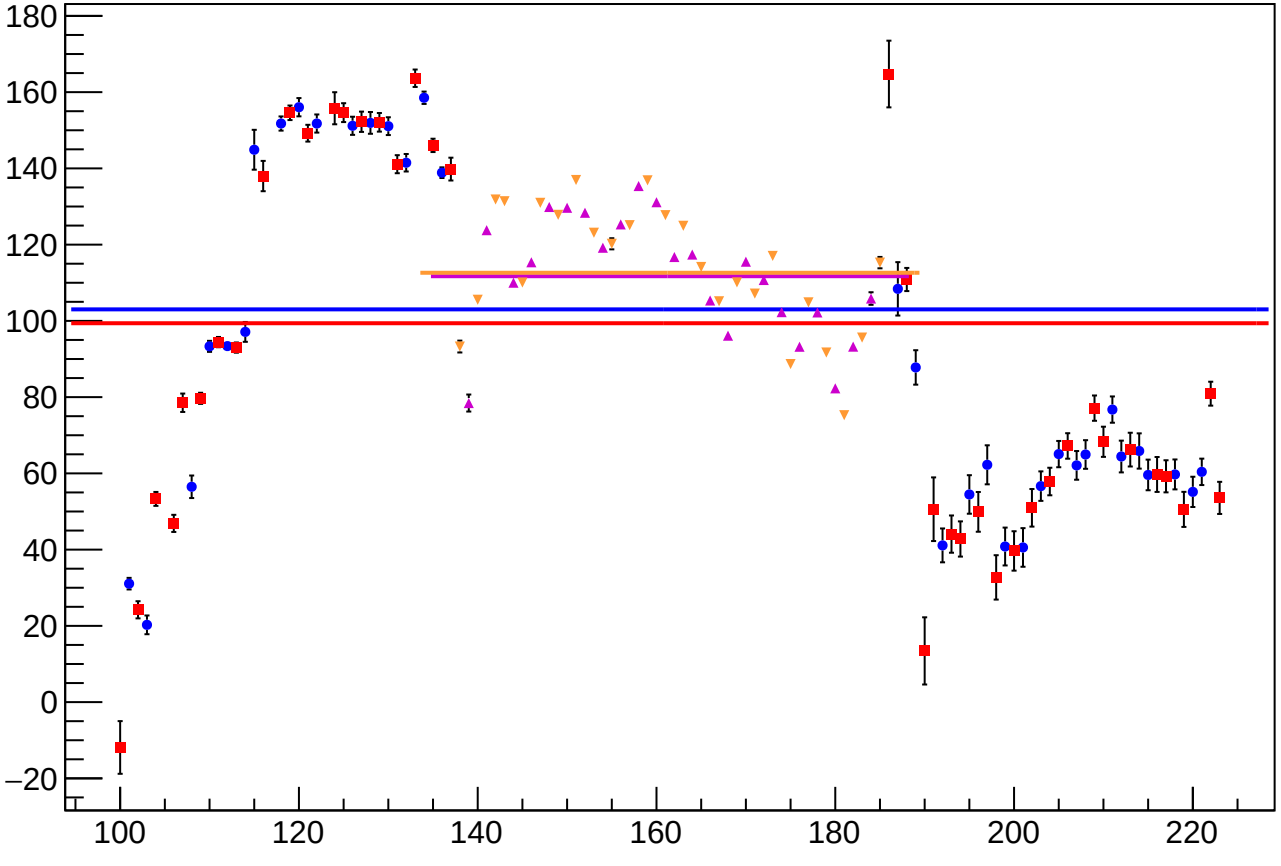
Right: -84.526+/-0.239 χ^2/NDF: 9124.0/72

In: -66.021+/-0.195 χ^2/NDF:25452.3/56

Out: -65.794+/-0.189 χ^2/NDF:30085.3/63

All: -65.903+/-0.136 χ^2/NDF: 55538.3/120

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

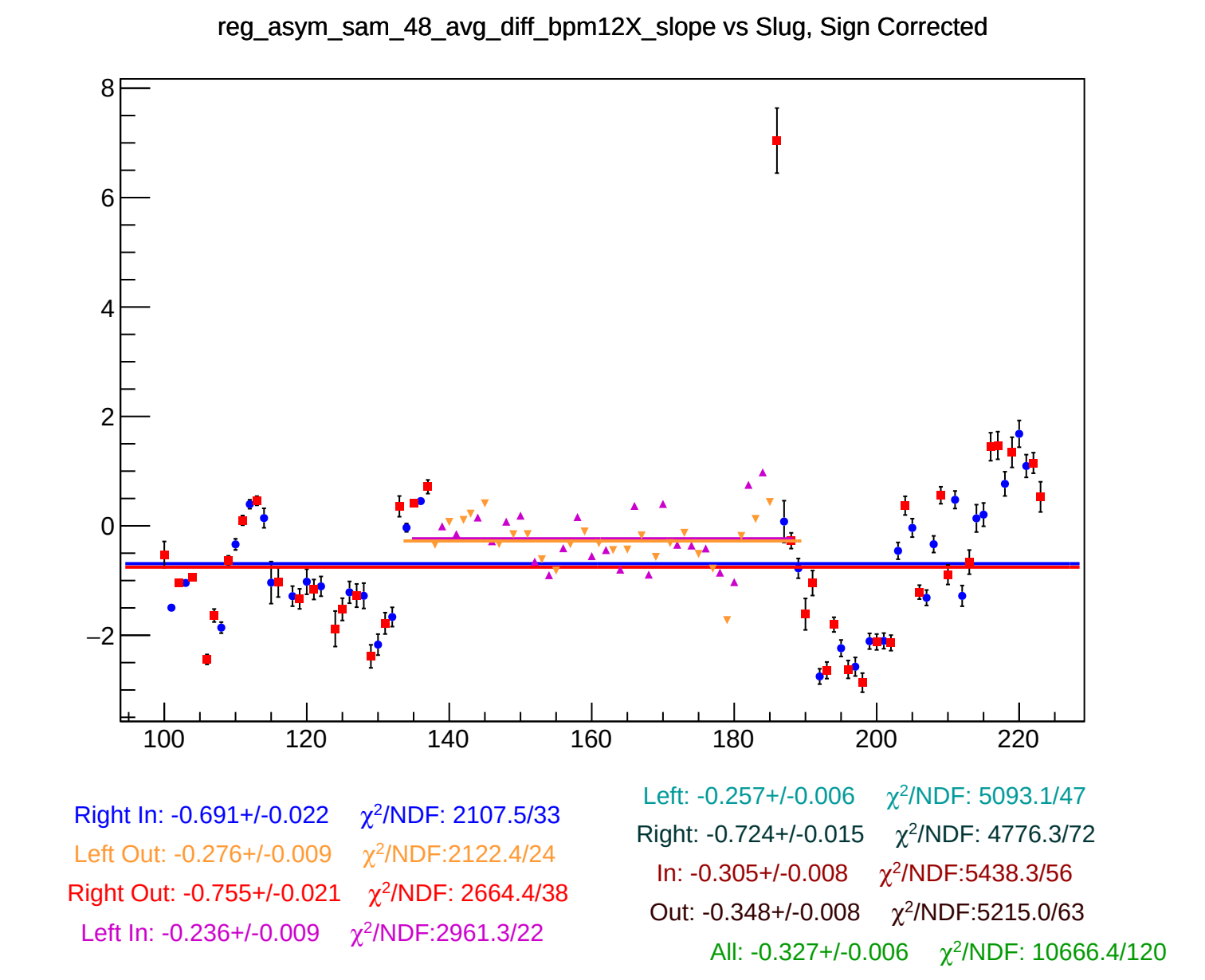
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

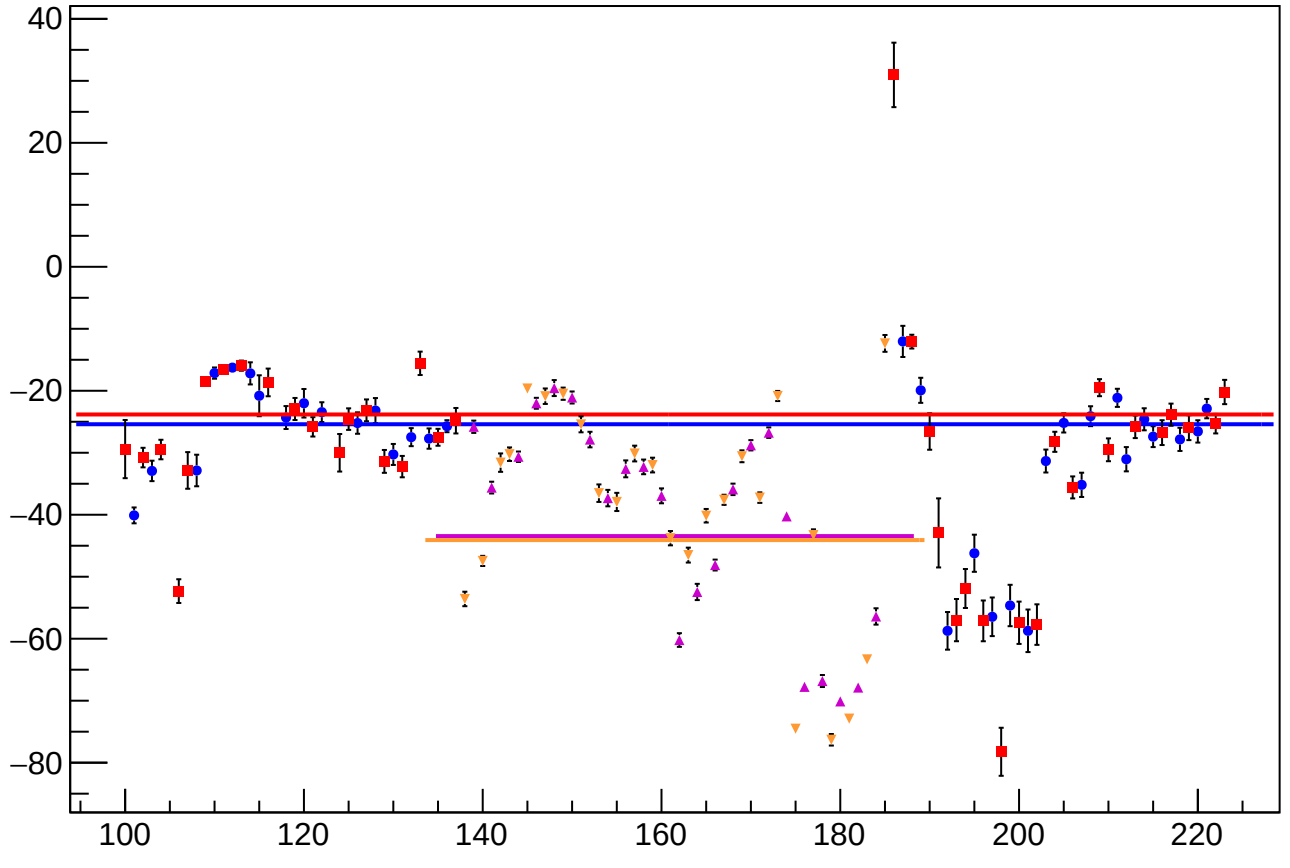
Right: 101.168+/-0.307 χ^2/NDF: 20148.6/72

In: 110.144+/-0.186 χ^2/NDF:15753.3/56

Out: 110.269+/-0.181 χ^2/NDF:17068.5/63

All: 110.208+/-0.130 χ^2/NDF: 32822.0/120


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.691+/-0.022 χ²/NDF: 2107.5/33
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.755+/-0.021 χ²/NDF: 2664.4/38
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.724+/-0.015 χ²/NDF: 4776.3/72
In: -0.305+/-0.008 χ²/NDF:5438.3/56
Out: -0.348+/-0.008 χ²/NDF:5215.0/63
All: -0.327+/-0.006 χ²/NDF: 10666.4/120



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

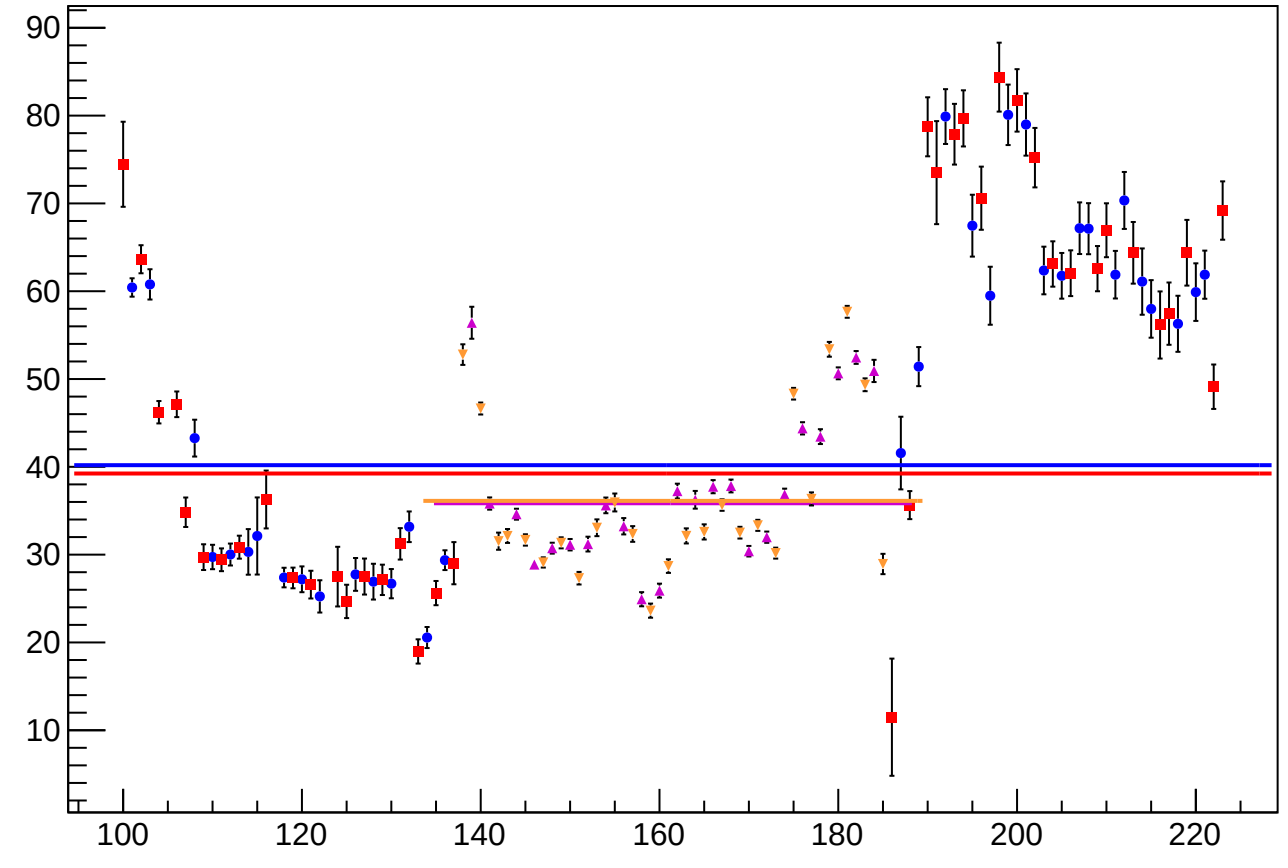
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.567+/-0.191 χ^2/NDF: 2550.1/72

In: -37.353+/-0.162 χ^2/NDF:11570.5/56

Out: -36.986+/-0.156 χ^2/NDF:15768.5/63

All: -37.162+/-0.112 χ^2/NDF: 27341.7/120



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

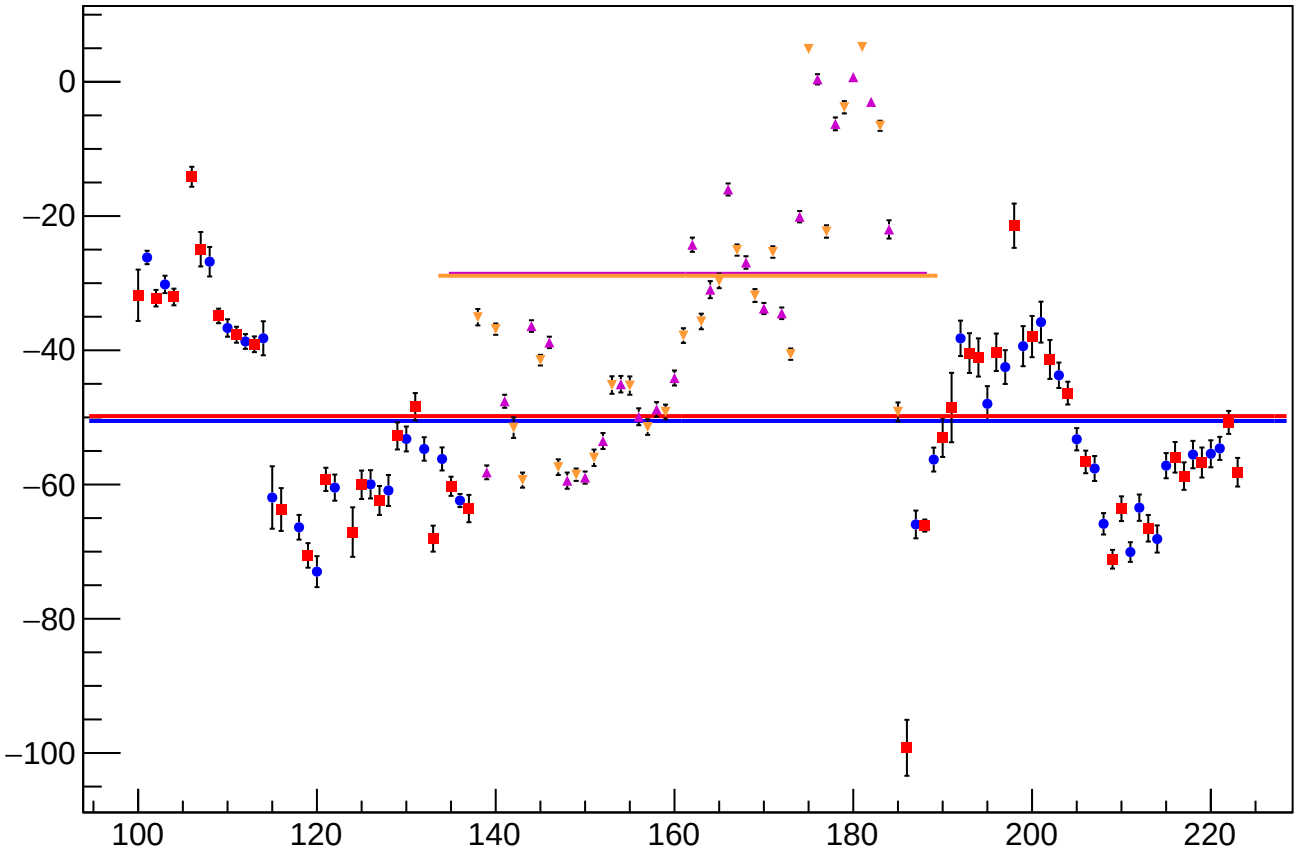
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 39.707+/-0.233 χ^2/NDF: 5315.6/72

In: 36.625+/-0.140 χ^2/NDF:5073.5/56

Out: 36.664+/-0.136 χ^2/NDF:6304.5/63

All: 36.645+/-0.098 χ^2/NDF: 11378.1/120



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

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

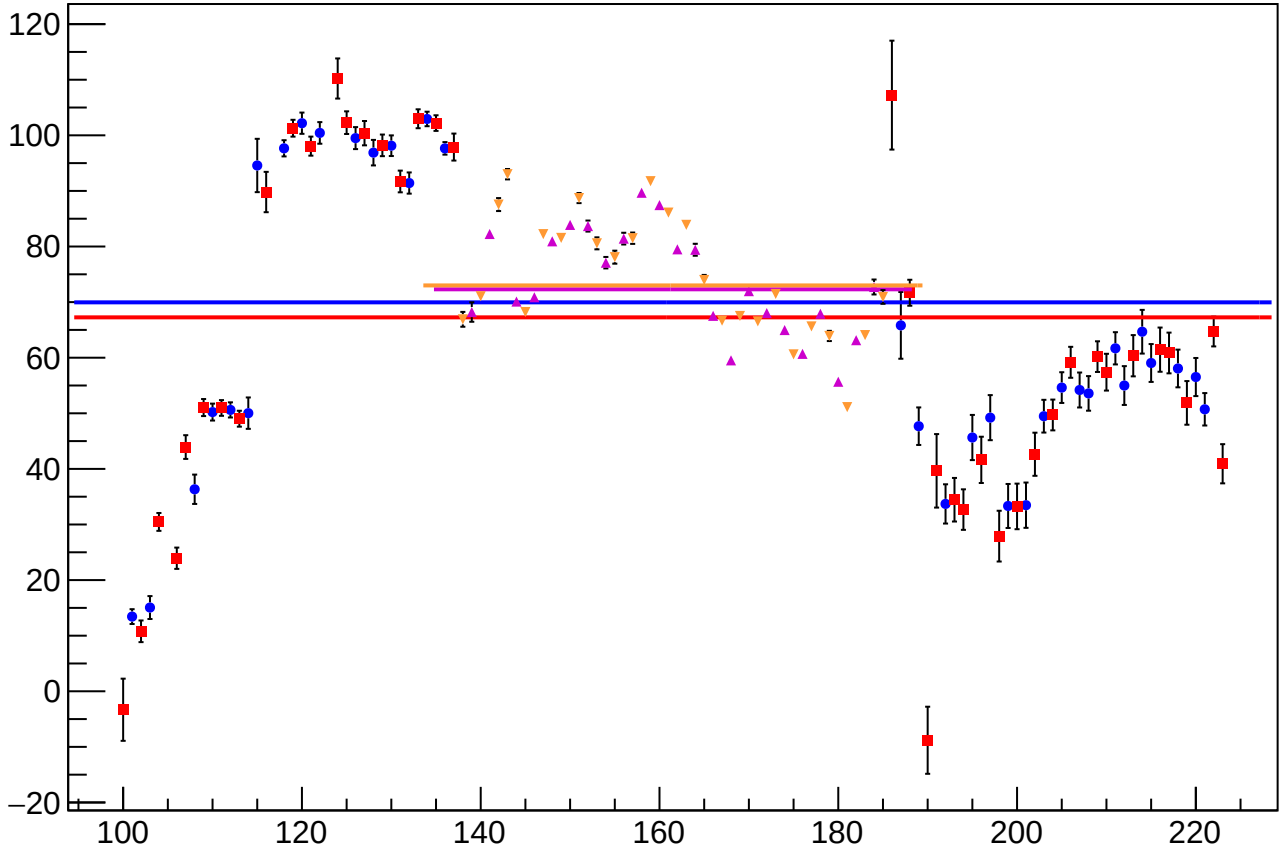
Right: -50.154+/-0.207 χ^2/NDF: 5156.8/72

In: -35.283+/-0.165 χ^2/NDF:15958.8/56

Out: -35.367+/-0.160 χ^2/NDF:18396.5/63

All: -35.326+/-0.115 χ^2/NDF: 34355.4/120

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

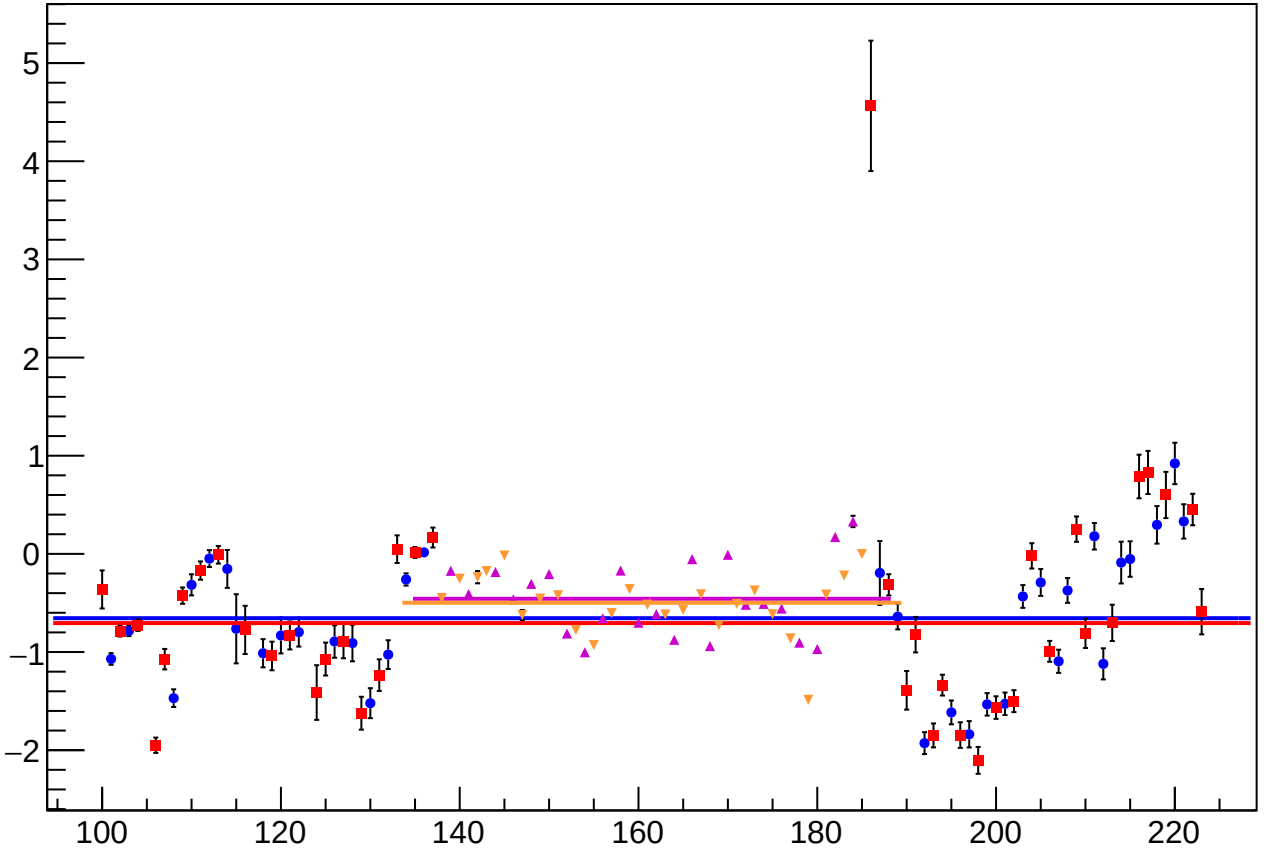
Right: 68.597+/-0.266 χ^2/NDF: 13063.6/72

In: 71.894+/-0.158 χ^2/NDF:9533.4/56

Out: 72.037+/-0.154 χ^2/NDF:10696.7/63

All: 71.967+/-0.110 χ^2/NDF: 20230.4/120

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

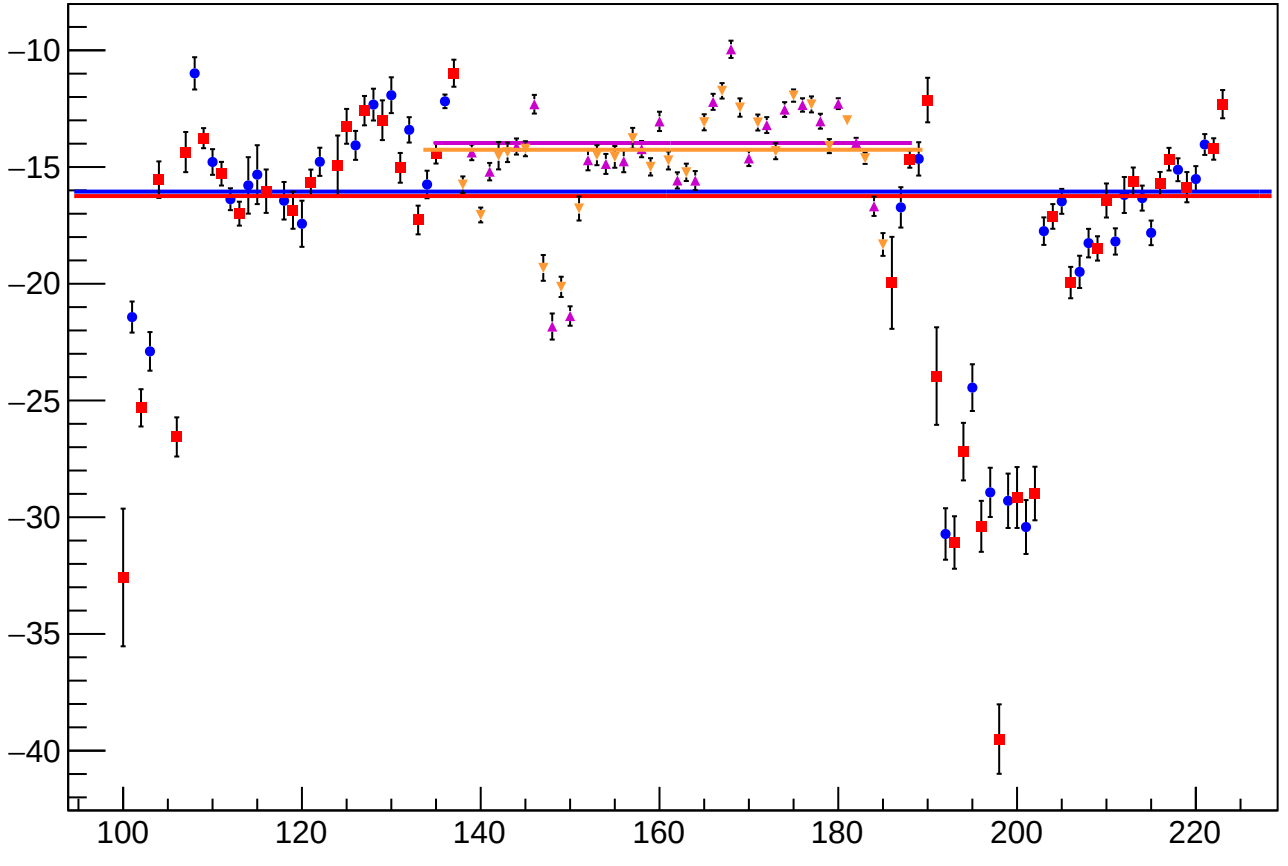
Right: -0.681+/-0.013 χ^2/NDF: 2582.7/72

In: -0.487+/-0.007 χ^2/NDF:3306.5/56

Out: -0.528+/-0.007 χ^2/NDF:3066.5/63

All: -0.508+/-0.005 χ^2/NDF: 6390.4/120

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

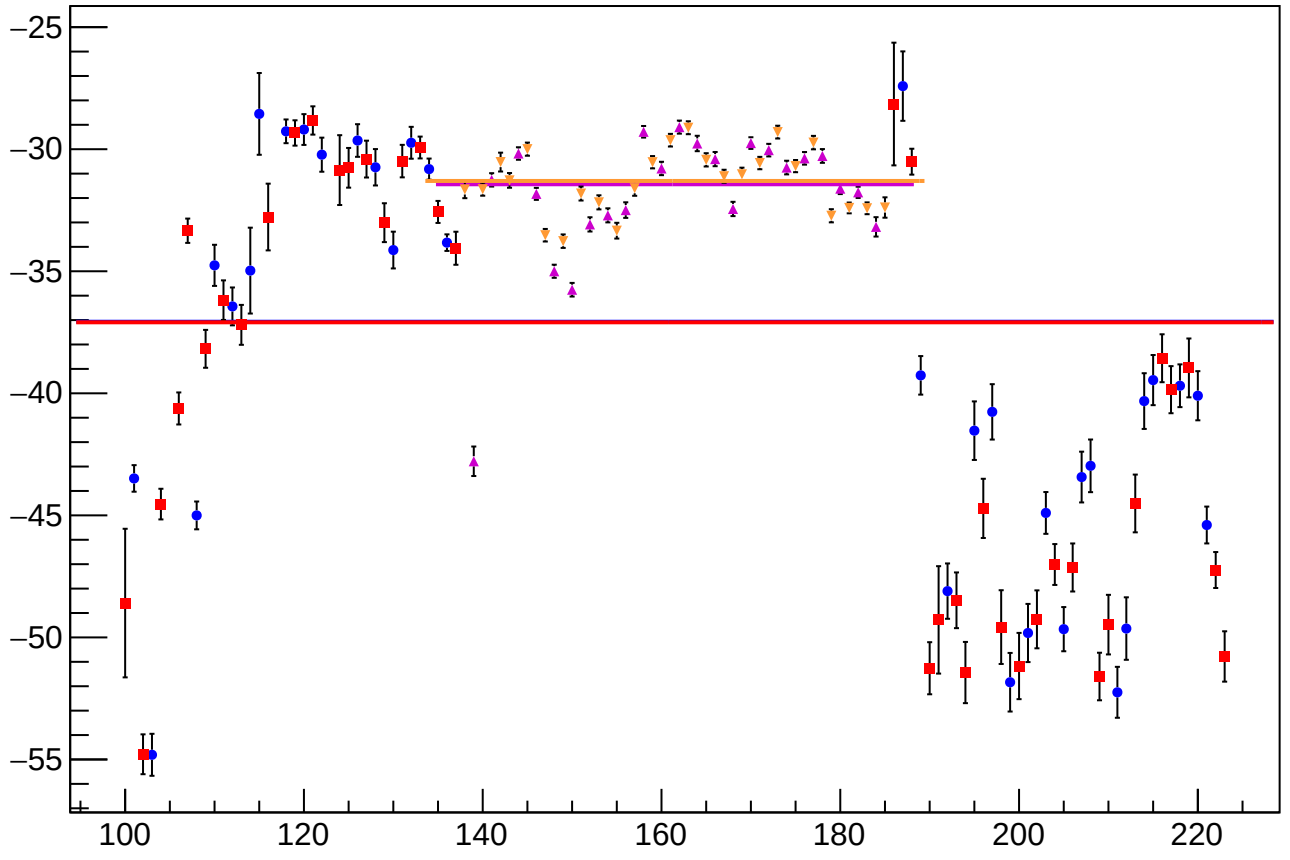
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.149+/-0.075 χ^2/NDF: 2849.5/72

In: -14.620+/-0.060 χ^2/NDF:2420.8/56

Out: -14.862+/-0.058 χ^2/NDF:2566.2/63

All: -14.744+/-0.042 χ^2/NDF: 4995.5/120



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

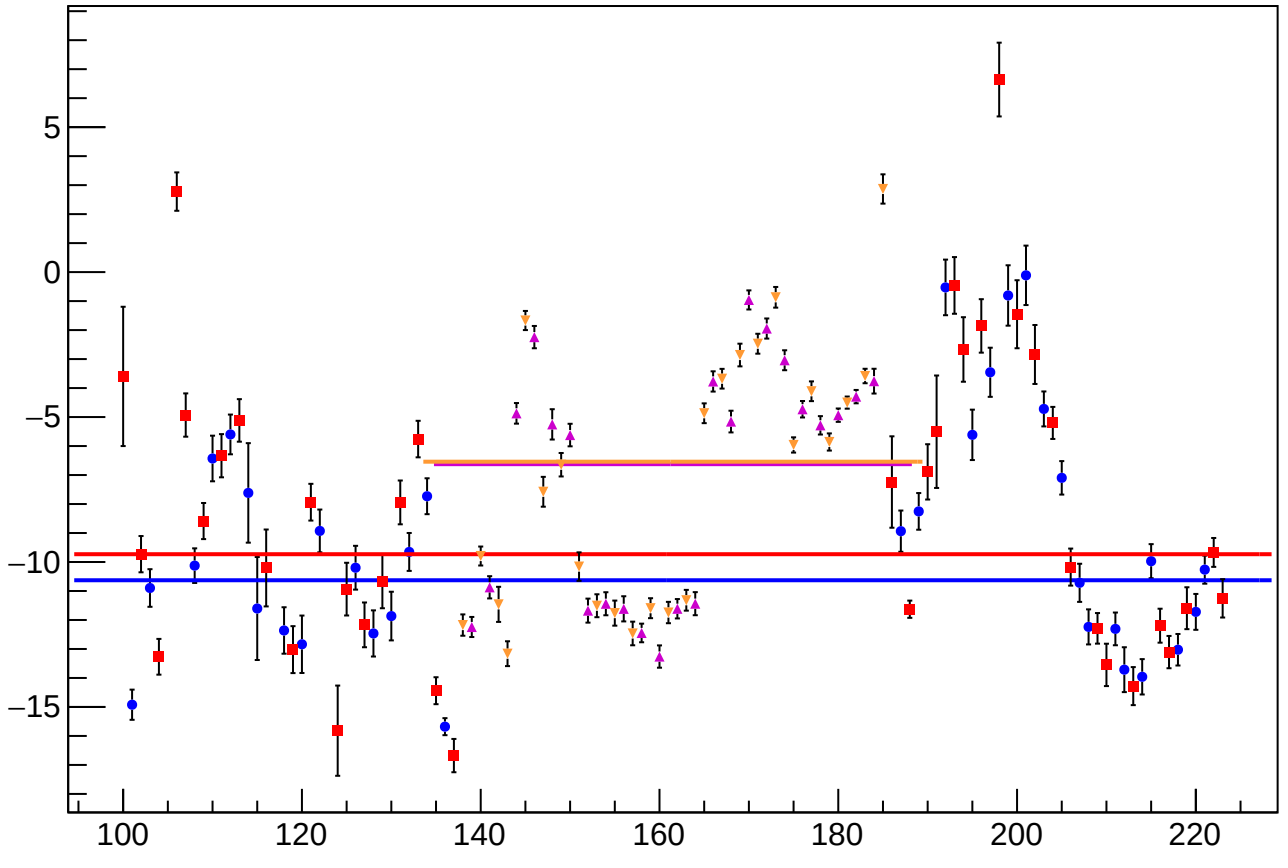
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -37.080+/-0.091 χ^2/NDF: 6909.6/72

In: -32.362+/-0.052 χ^2/NDF:5991.2/56

Out: -32.211+/-0.051 χ^2/NDF:6003.8/63

All: -32.284+/-0.036 χ^2/NDF: 11999.3/120



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

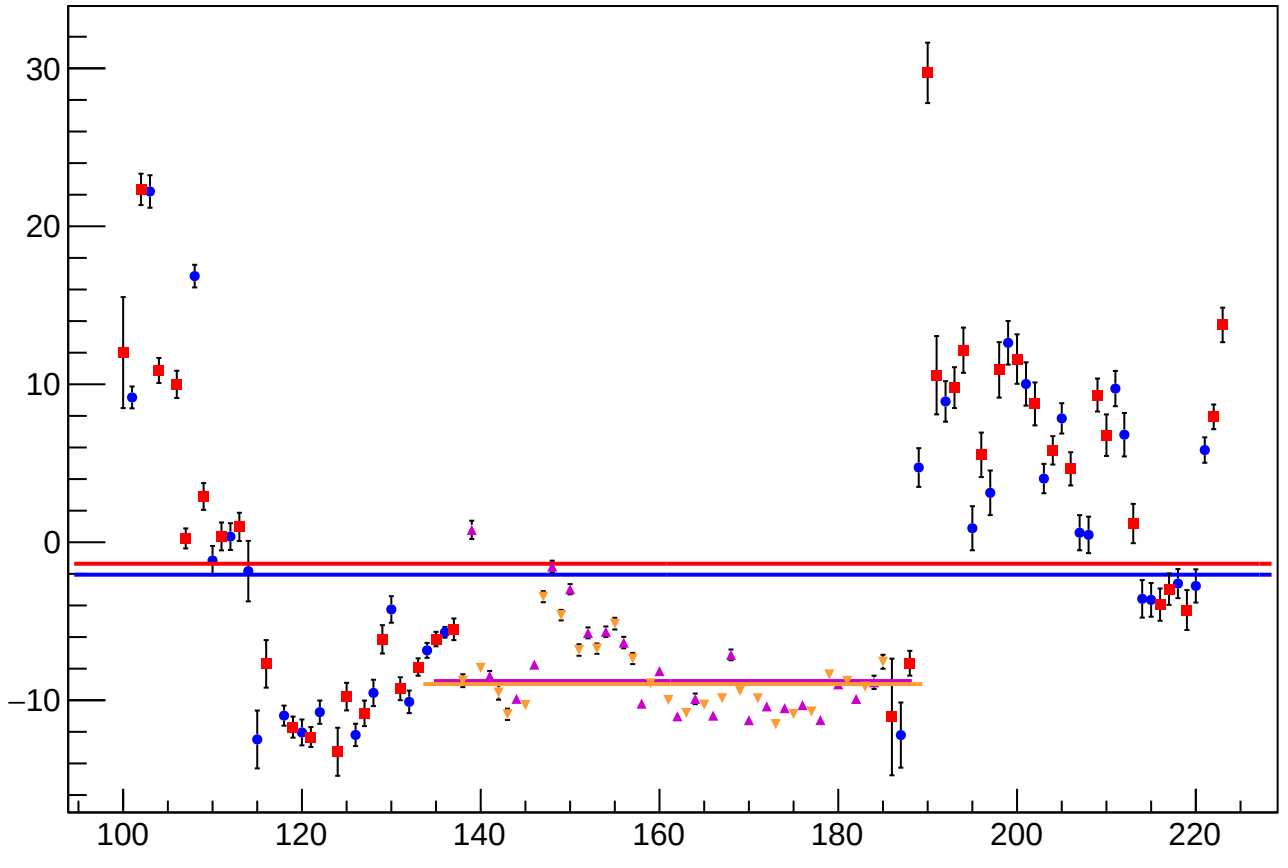
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.174+/-0.078 χ^2/NDF: 2782.7/72

In: -7.792+/-0.060 χ^2/NDF:4970.9/56

Out: -7.453+/-0.059 χ^2/NDF:5448.2/63

All: -7.619+/-0.042 χ^2/NDF: 10435.3/120



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

Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

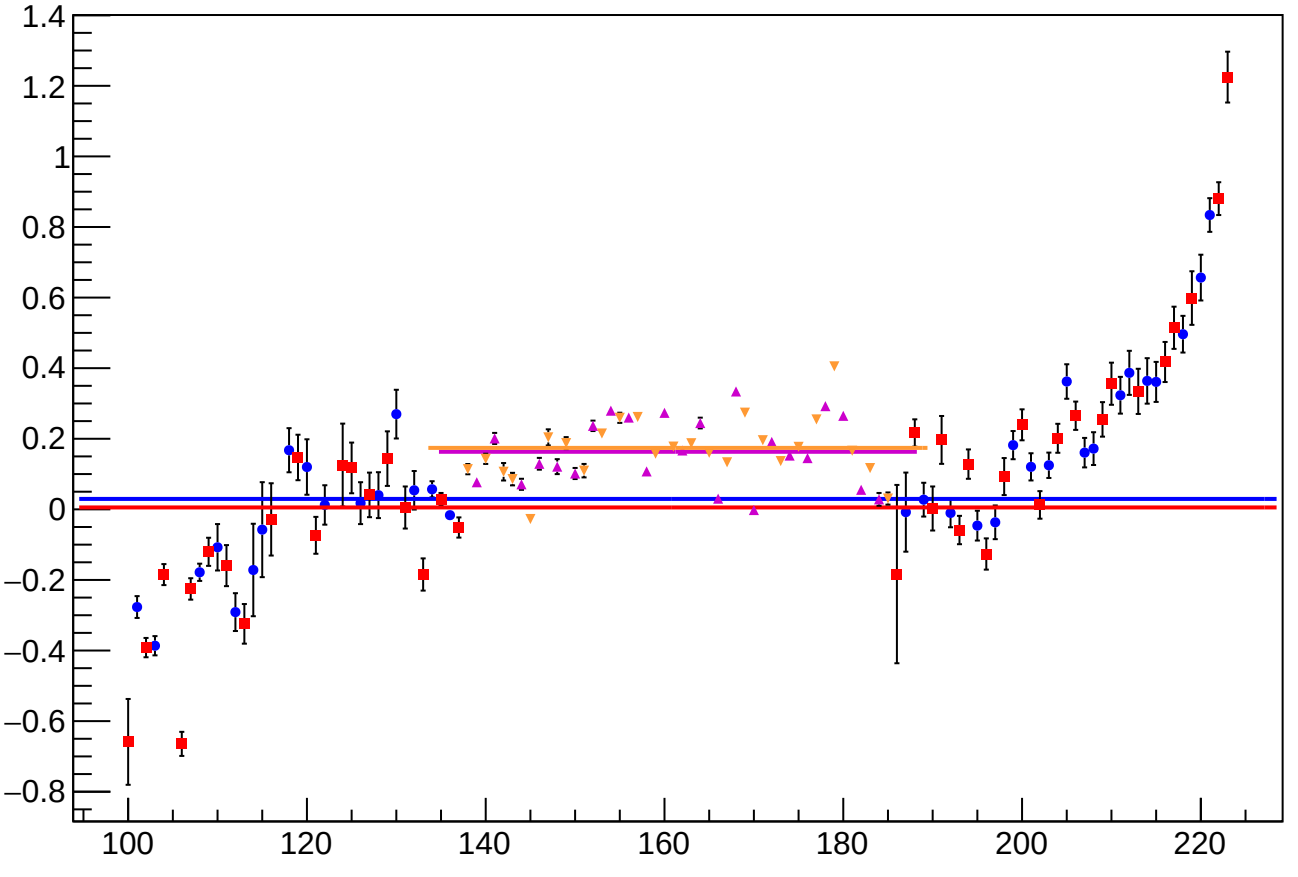
Right: -1.710+/-0.103 χ^2/NDF: 7072.4/72

In: -7.701+/-0.058 χ^2/NDF:6926.1/56

Out: -7.837+/-0.057 χ^2/NDF:6907.7/63

All: -7.771+/-0.041 χ^2/NDF: 13836.6/120

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

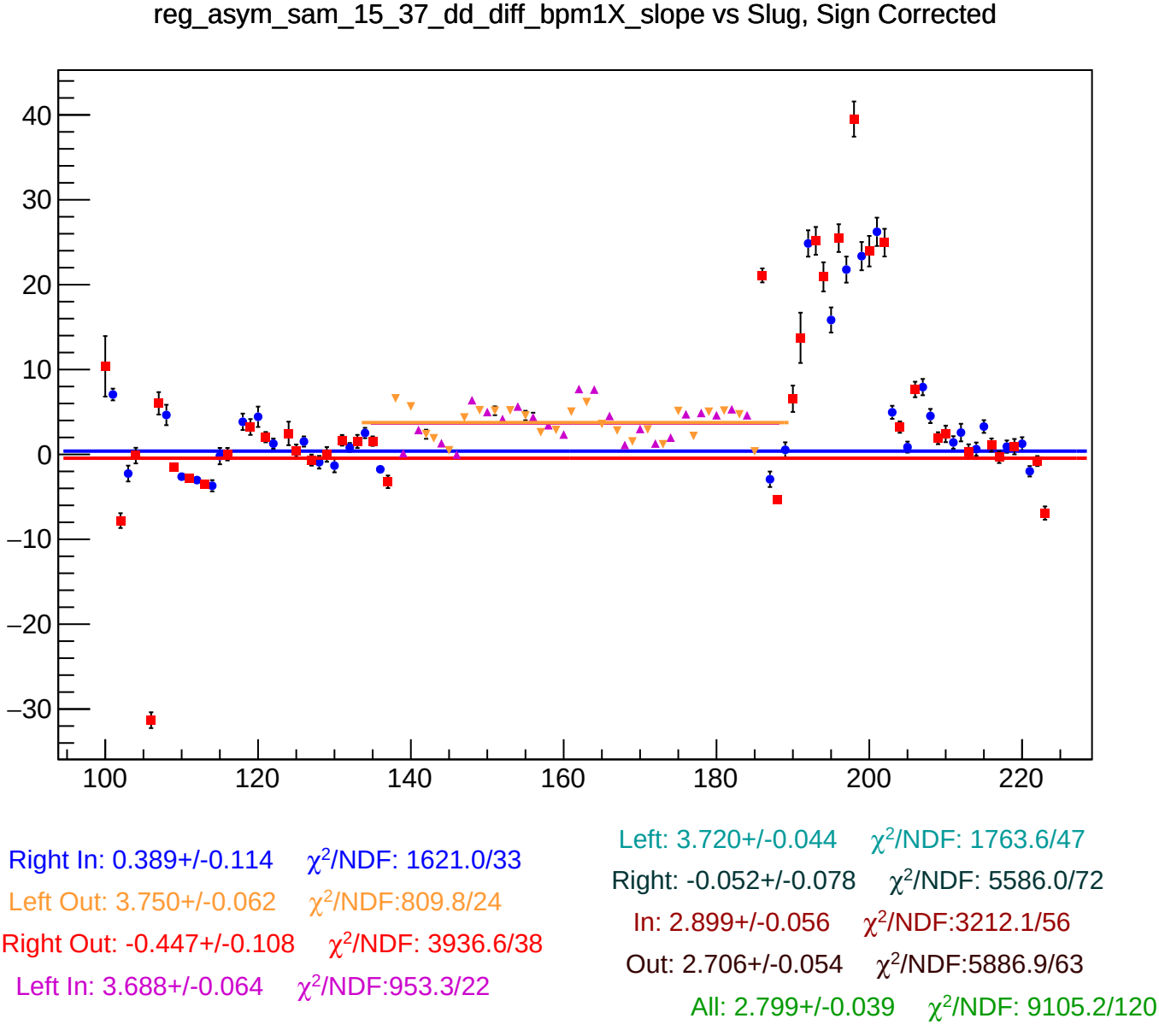
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

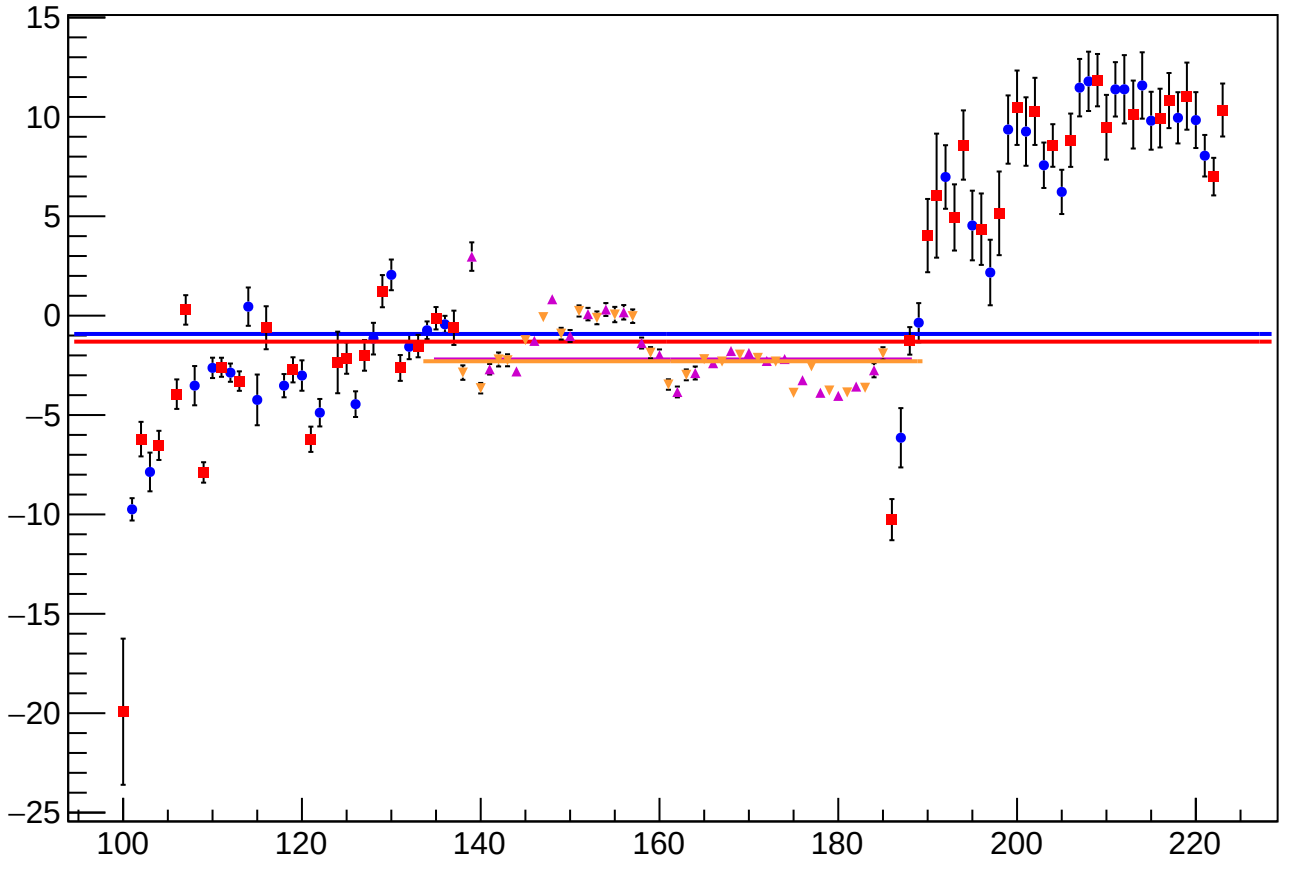
Right: 0.018+/-0.005 χ^2/NDF: 3049.0/72

In: 0.144+/-0.003 χ^2/NDF:2684.4/56

Out: 0.152+/-0.003 χ^2/NDF:3304.0/63

All: 0.148+/-0.002 χ^2/NDF: 5993.4/120


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: 0.389+/-0.114 χ²/NDF: 1621.0/33
Left Out: 3.750+/-0.062 χ²/NDF:809.8/24
Right Out: -0.447+/-0.108 χ²/NDF: 3936.6/38
Left In: 3.688+/-0.064 χ²/NDF:953.3/22
Left: 3.720+/-0.044 χ²/NDF: 1763.6/47
Right: -0.052+/-0.078 χ²/NDF: 5586.0/72
In: 2.899+/-0.056 χ²/NDF:3212.1/56
Out: 2.706+/-0.054 χ²/NDF:5886.9/63
All: 2.799+/-0.039 χ²/NDF: 9105.2/120



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

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

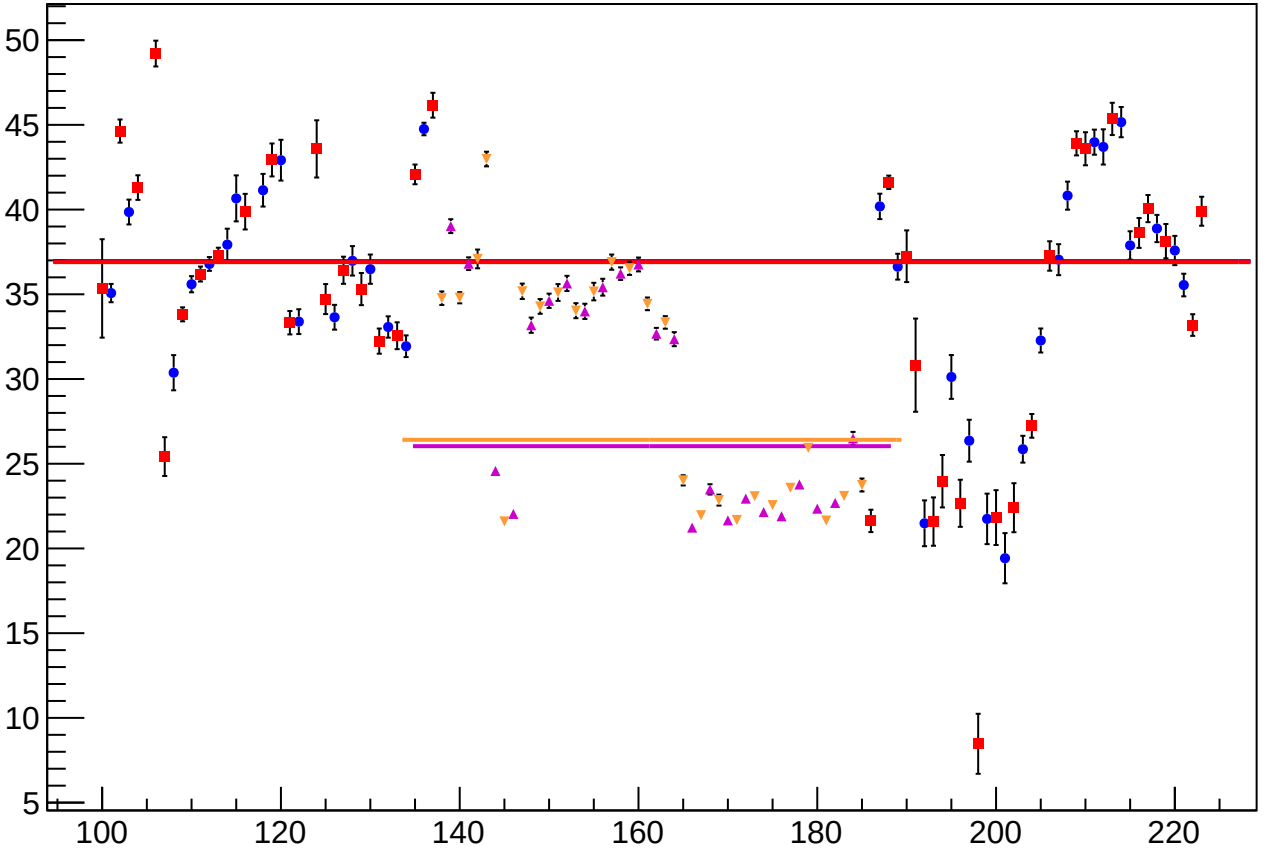
Right: -1.116+/-0.099 χ^2/NDF: 2575.4/72

In: -2.057+/-0.048 χ^2/NDF:2057.0/56

Out: -2.184+/-0.047 χ^2/NDF:1988.6/63

All: -2.122+/-0.033 χ^2/NDF: 4049.2/120

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

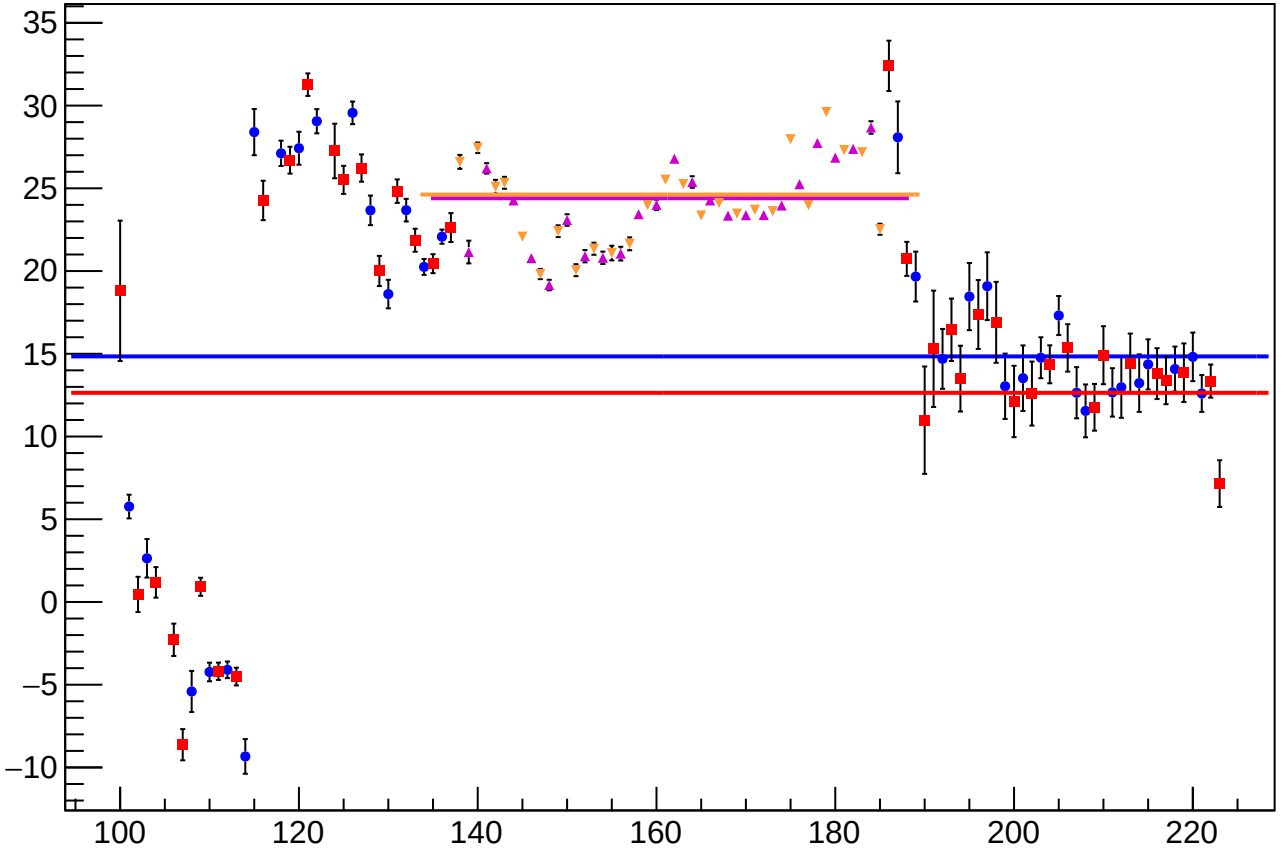
Right: 36.926+/-0.088 χ^2/NDF: 4591.5/72

In: 28.233+/-0.057 χ^2/NDF:15426.5/56

Out: 28.556+/-0.056 χ^2/NDF:17912.9/63

All: 28.399+/-0.040 χ^2/NDF: 33355.9/120

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

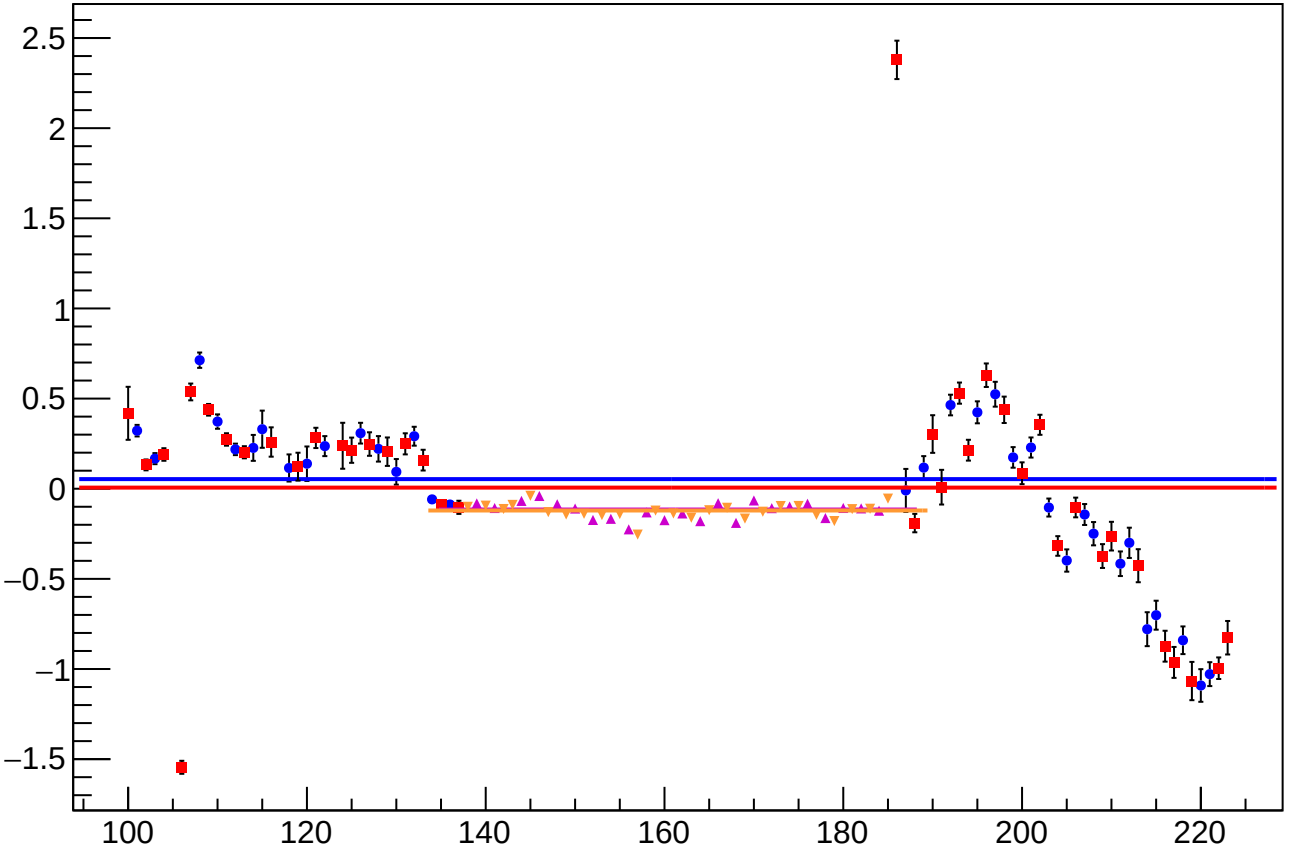
Right: 13.747+/-0.111 χ^2/NDF: 12250.0/72

In: 23.304+/-0.053 χ^2/NDF:10756.7/56

Out: 23.322+/-0.052 χ^2/NDF:13469.6/63

All: 23.313+/-0.037 χ^2/NDF: 24226.3/120

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

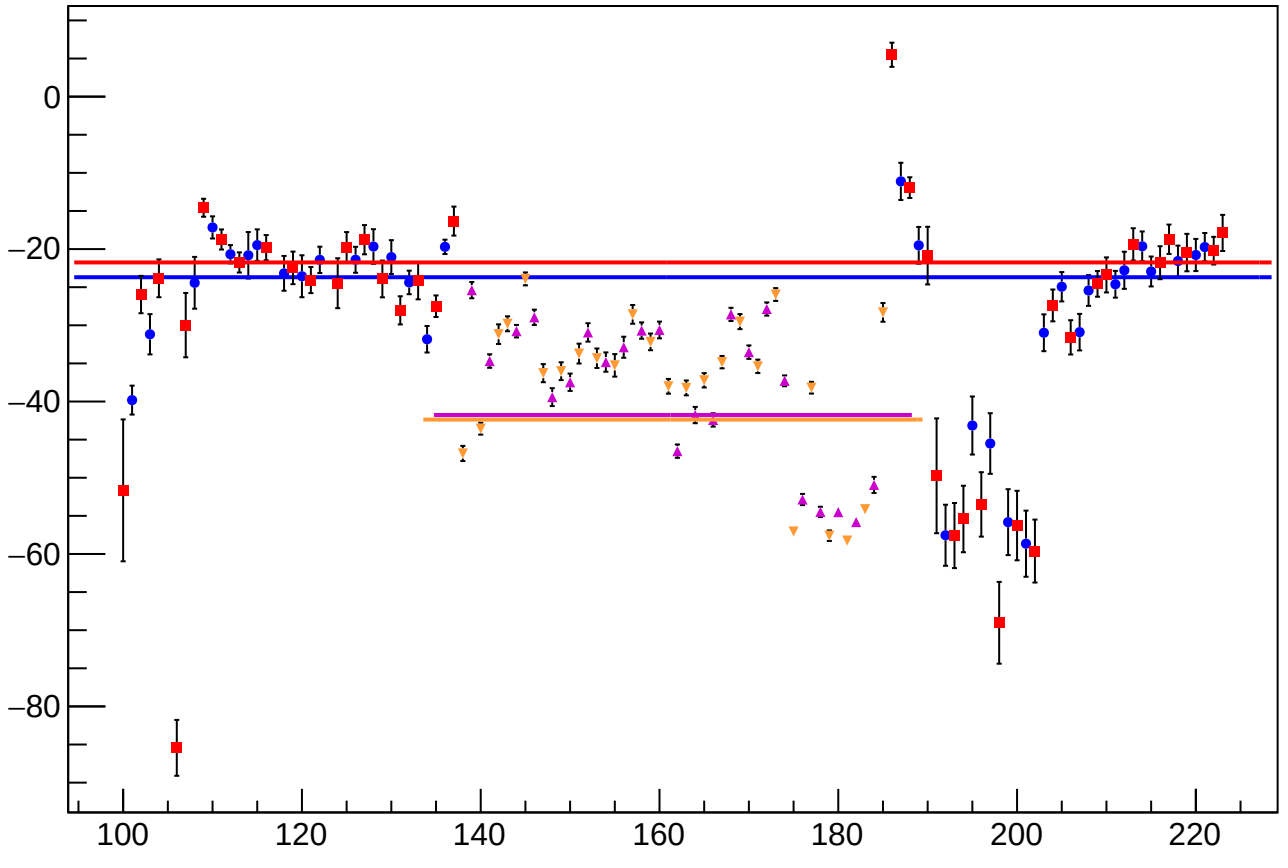
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.030+/-0.006 χ^2/NDF: 5638.5/72

In: -0.100+/-0.002 χ^2/NDF:2305.4/56

Out: -0.110+/-0.002 χ^2/NDF:4485.8/63

All: -0.106+/-0.002 χ^2/NDF: 6800.0/120



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

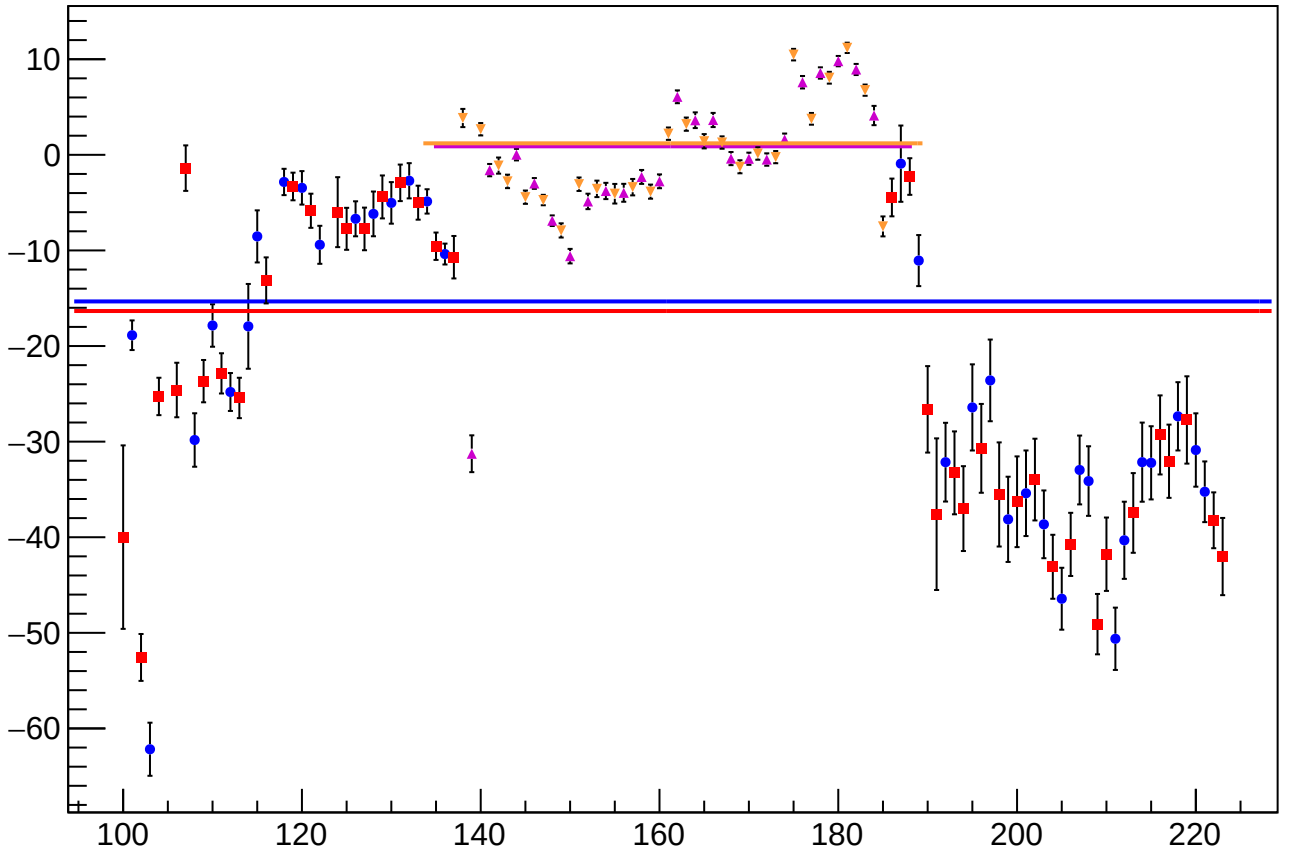
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.703+/-0.239 χ^2/NDF: 1696.4/72

In: -37.776+/-0.160 χ^2/NDF:6110.5/56

Out: -37.930+/-0.155 χ^2/NDF:8666.9/63

All: -37.856+/-0.112 χ^2/NDF: 14777.9/120



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

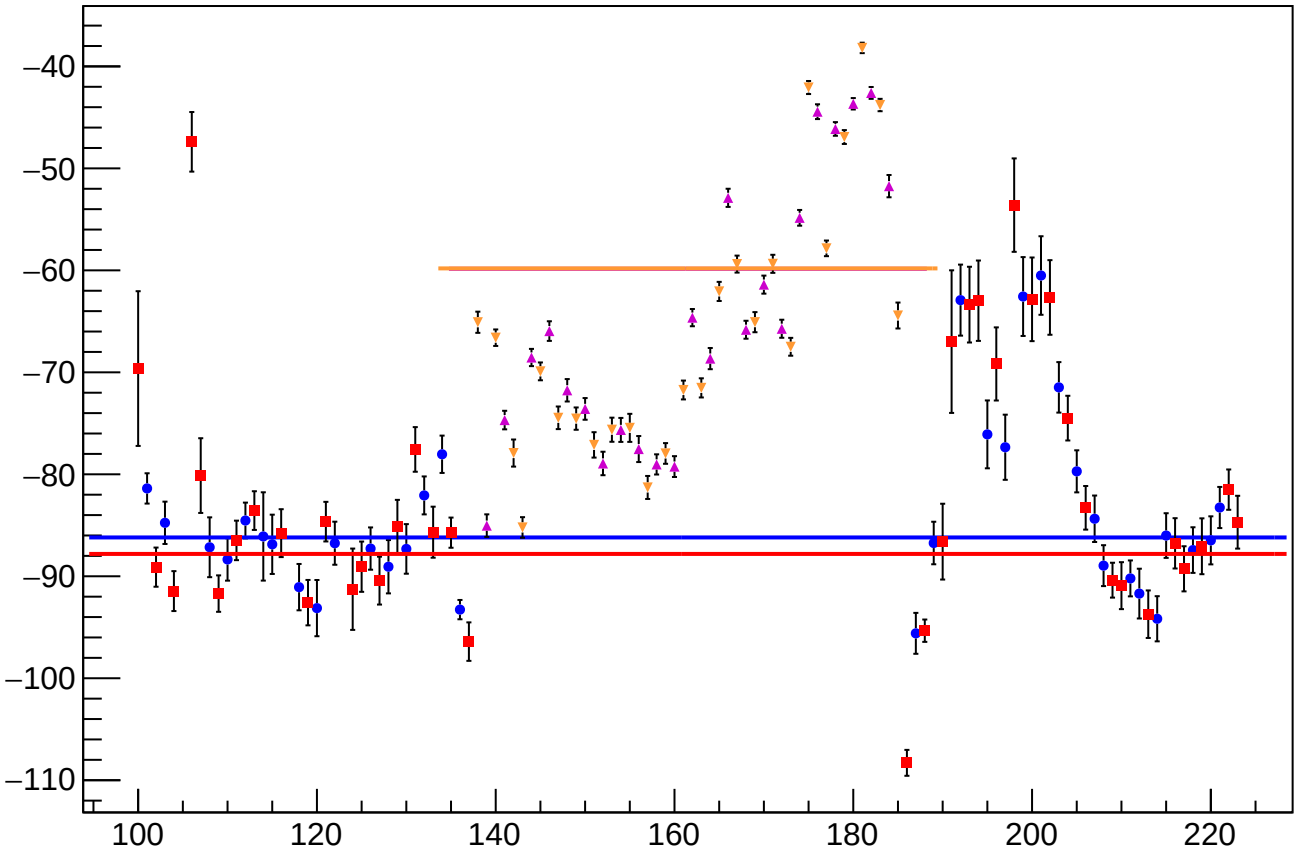
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -15.827+/-0.287 χ^2/NDF: 2471.8/72

In: -0.932+/-0.135 χ^2/NDF:4422.3/56

Out: -0.587+/-0.131 χ^2/NDF:4365.5/63

All: -0.755+/-0.094 χ^2/NDF: 8791.2/120



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

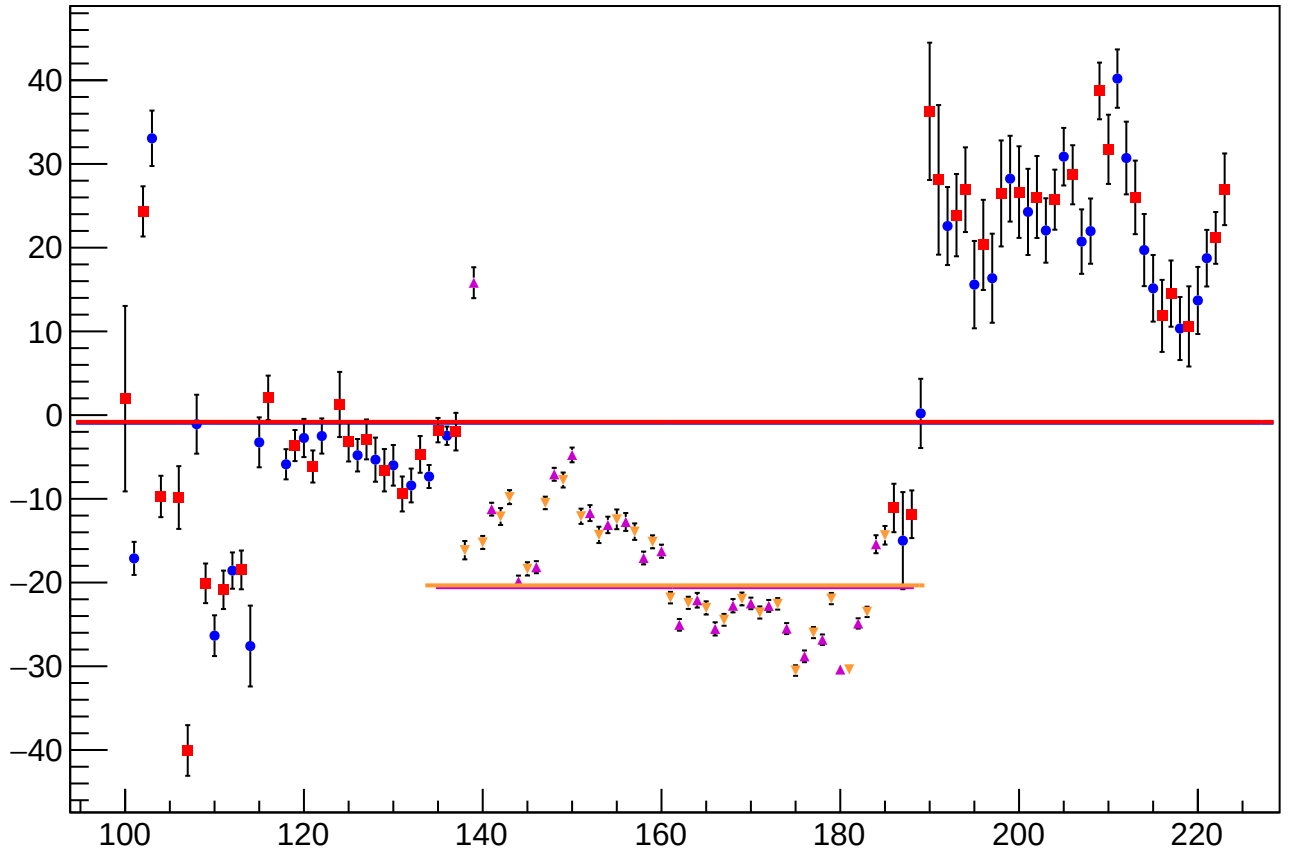
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -87.017+/-0.254 χ^2/NDF: 1258.2/72

In: -65.091+/-0.162 χ^2/NDF:10094.0/56

Out: -65.278+/-0.157 χ^2/NDF:12530.2/63

All: -65.187+/-0.113 χ^2/NDF: 22625.0/120



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

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

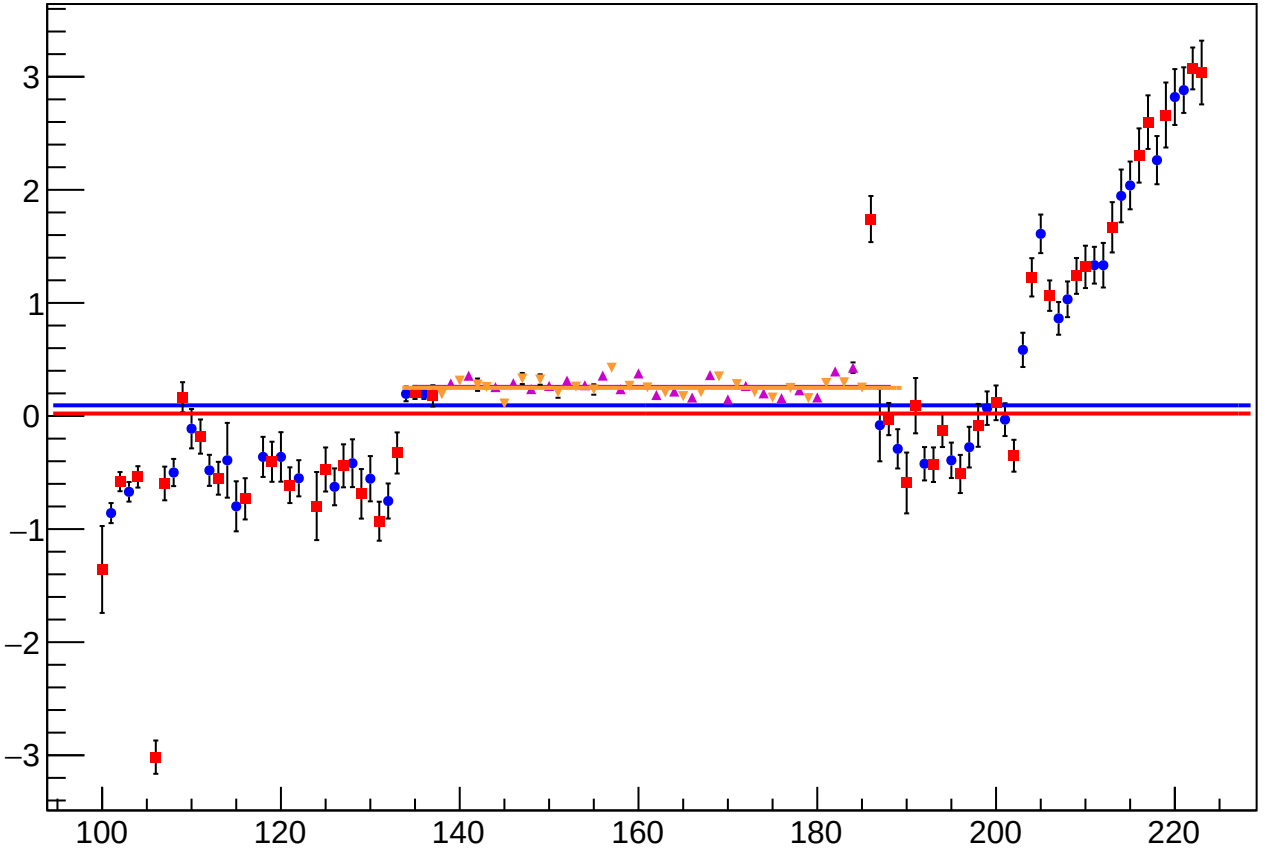
Right: -0.860+/-0.325 χ^2/NDF: 2202.9/72

In: -18.368+/-0.150 χ^2/NDF:4900.1/56

Out: -18.416+/-0.147 χ^2/NDF:4456.1/63

All: -18.393+/-0.105 χ^2/NDF: 9356.2/120

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

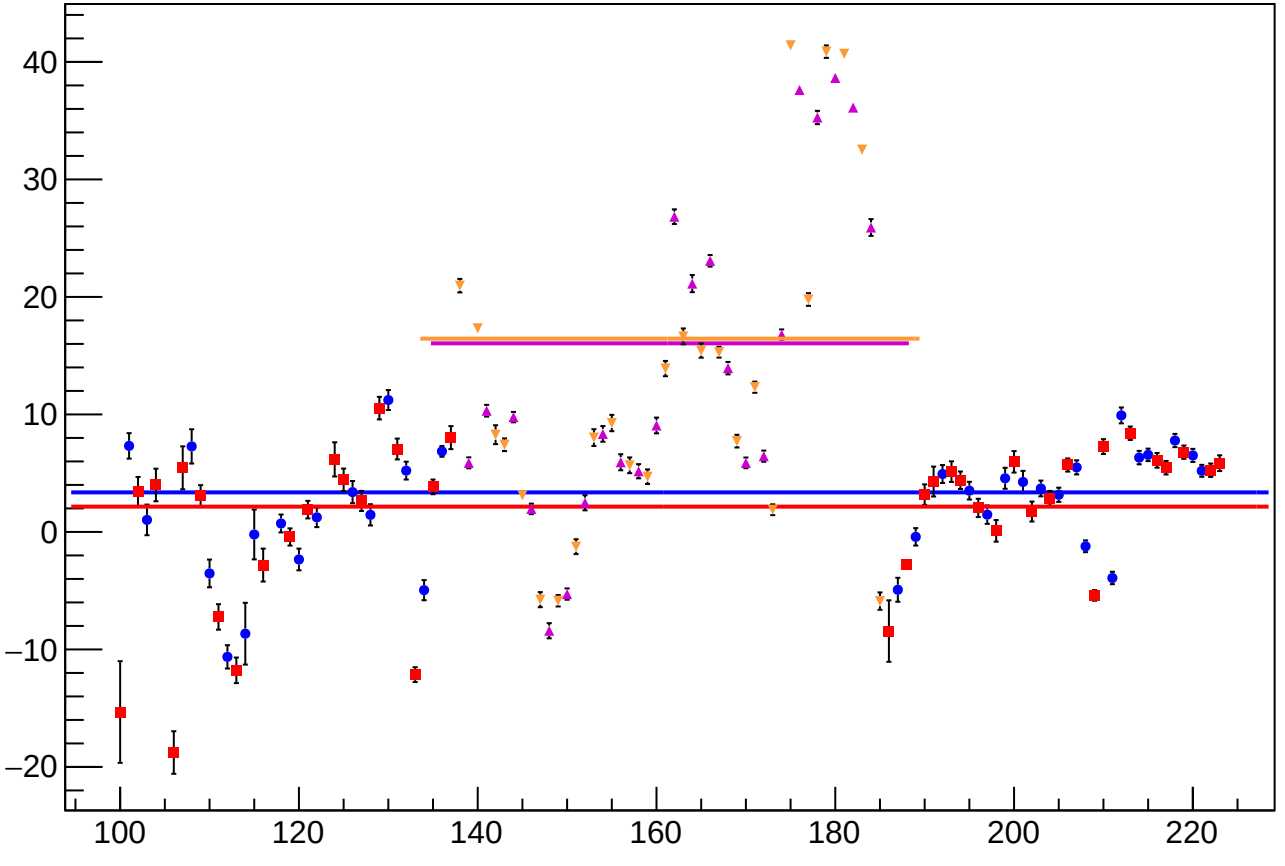
Right: 0.060+/-0.016 χ^2/NDF: 2940.9/72

In: 0.243+/-0.007 χ^2/NDF:1385.5/56

Out: 0.231+/-0.007 χ^2/NDF:1910.4/63

All: 0.237+/-0.005 χ^2/NDF: 3297.5/120

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

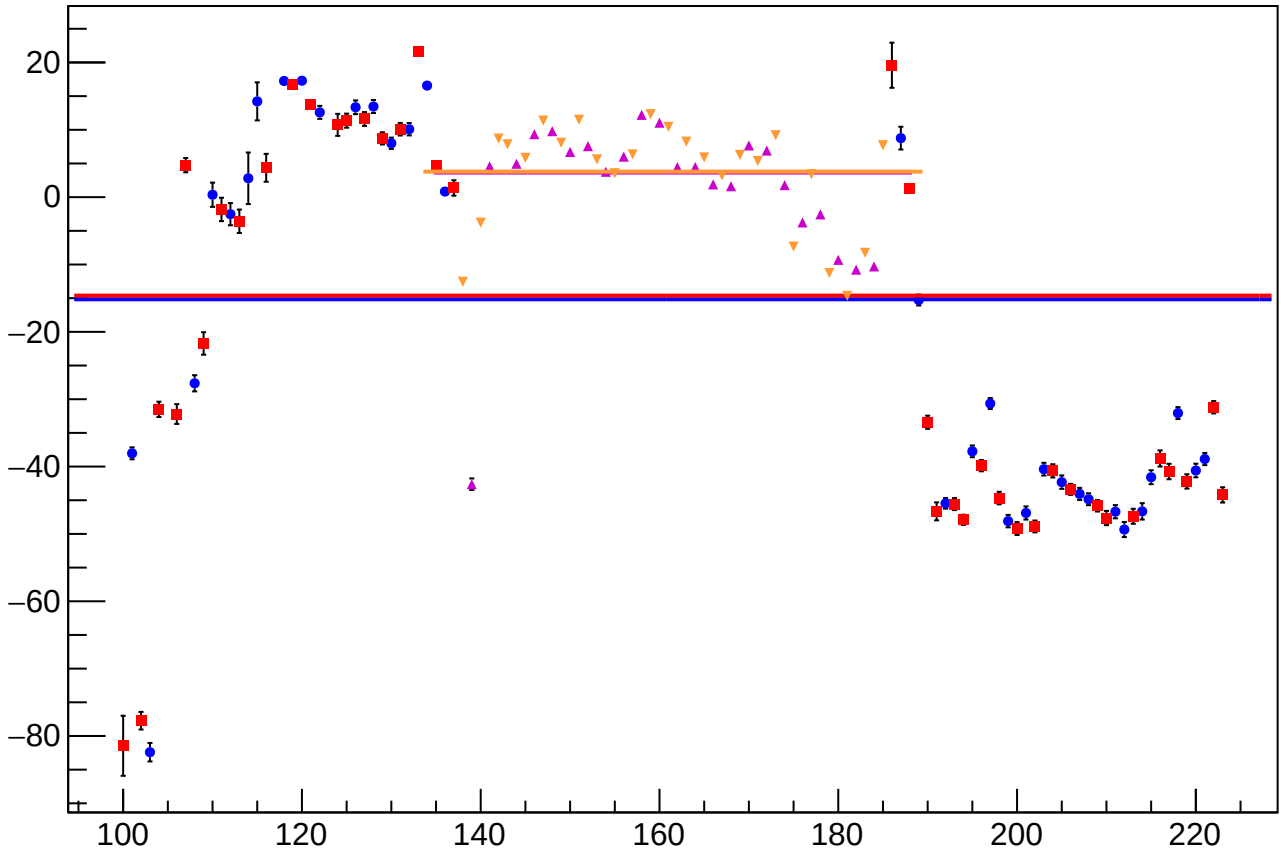
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 2.743+/-0.087 χ^2/NDF: 3318.9/72

In: 10.653+/-0.081 χ^2/NDF:24817.6/56

Out: 10.386+/-0.079 χ^2/NDF:31444.4/63

All: 10.516+/-0.057 χ^2/NDF: 56267.5/120



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

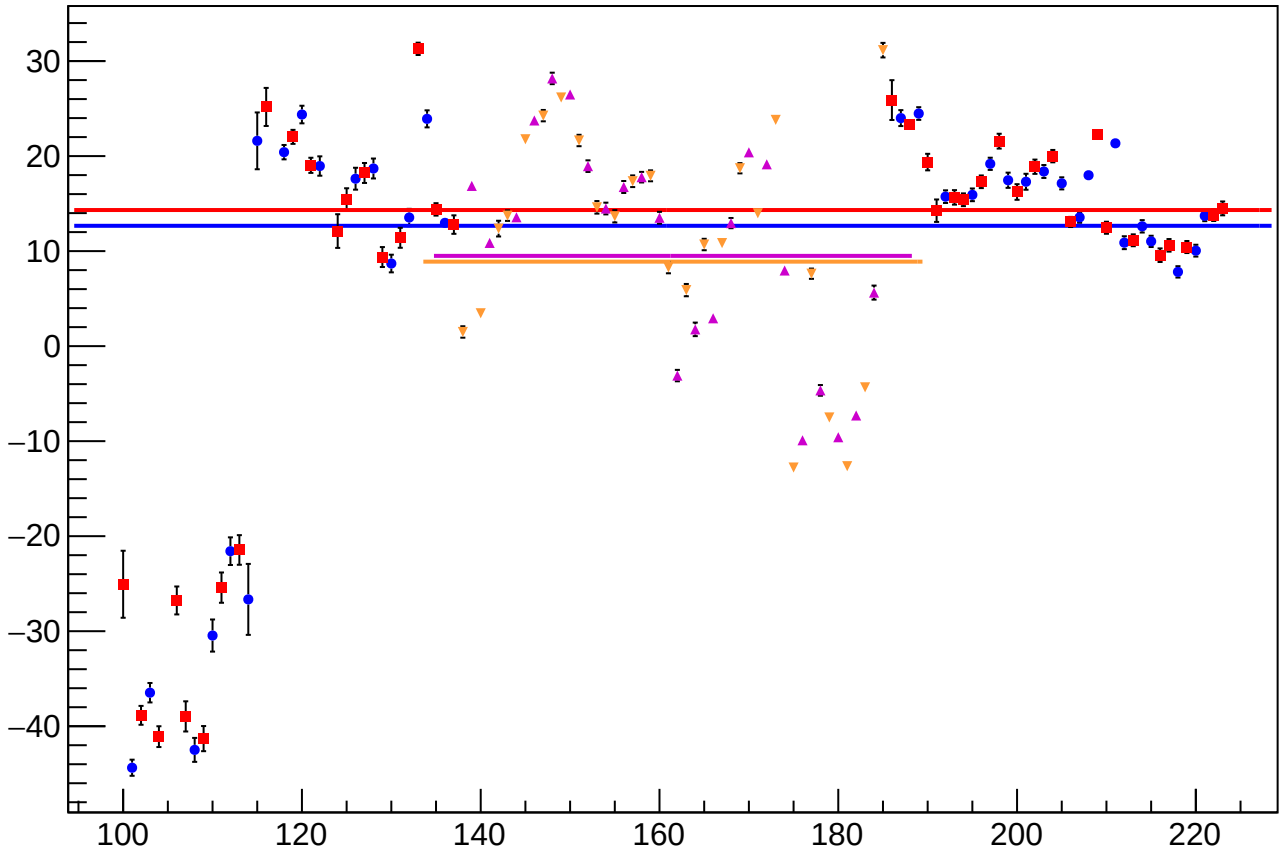
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -14.879+/-0.106 χ^2/NDF: 69563.8/72

In: -0.630+/-0.073 χ^2/NDF:52508.8/56

Out: -0.392+/-0.070 χ^2/NDF:58157.0/63

All: -0.507+/-0.051 χ^2/NDF: 110671.3/120



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

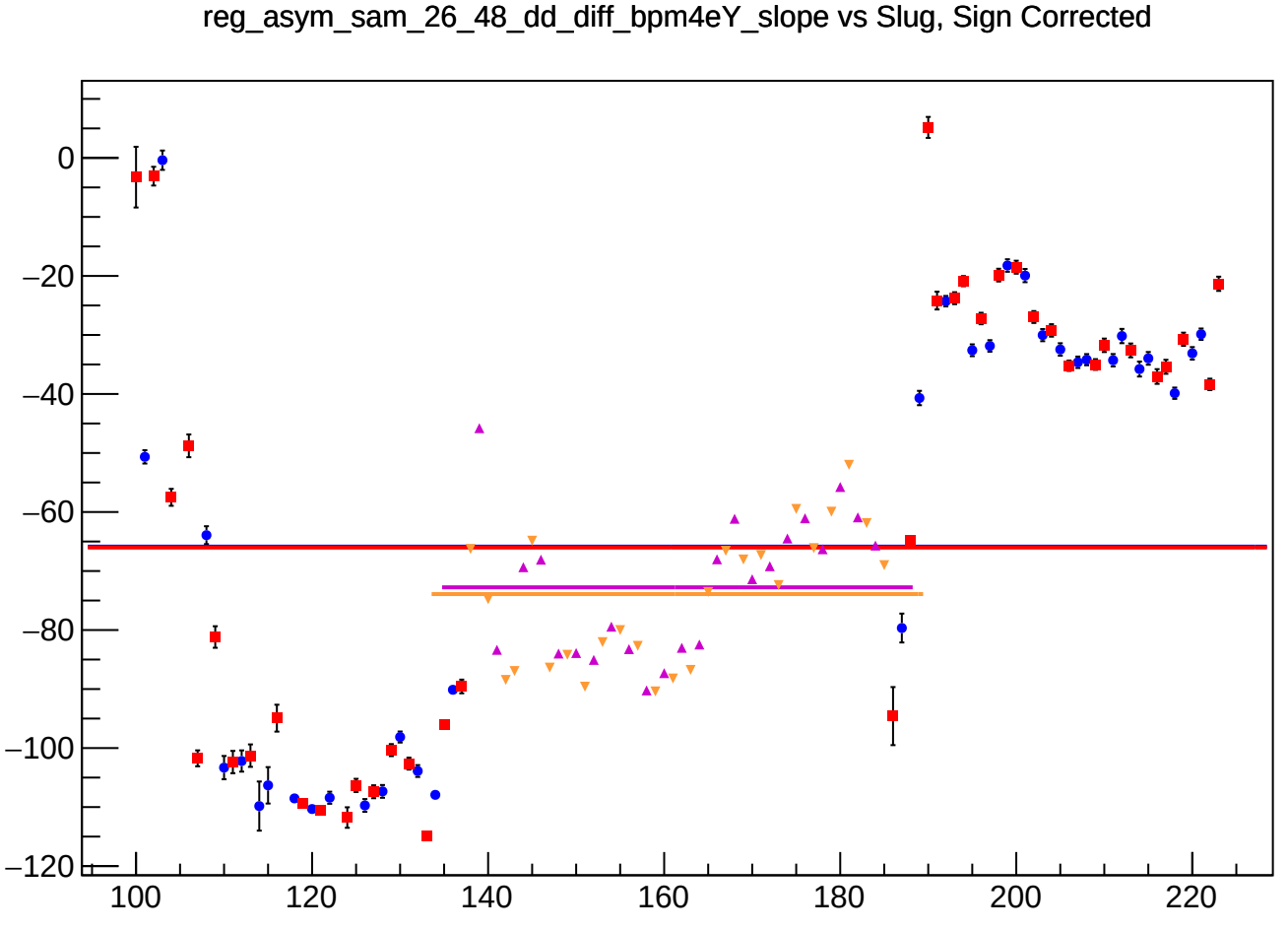
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

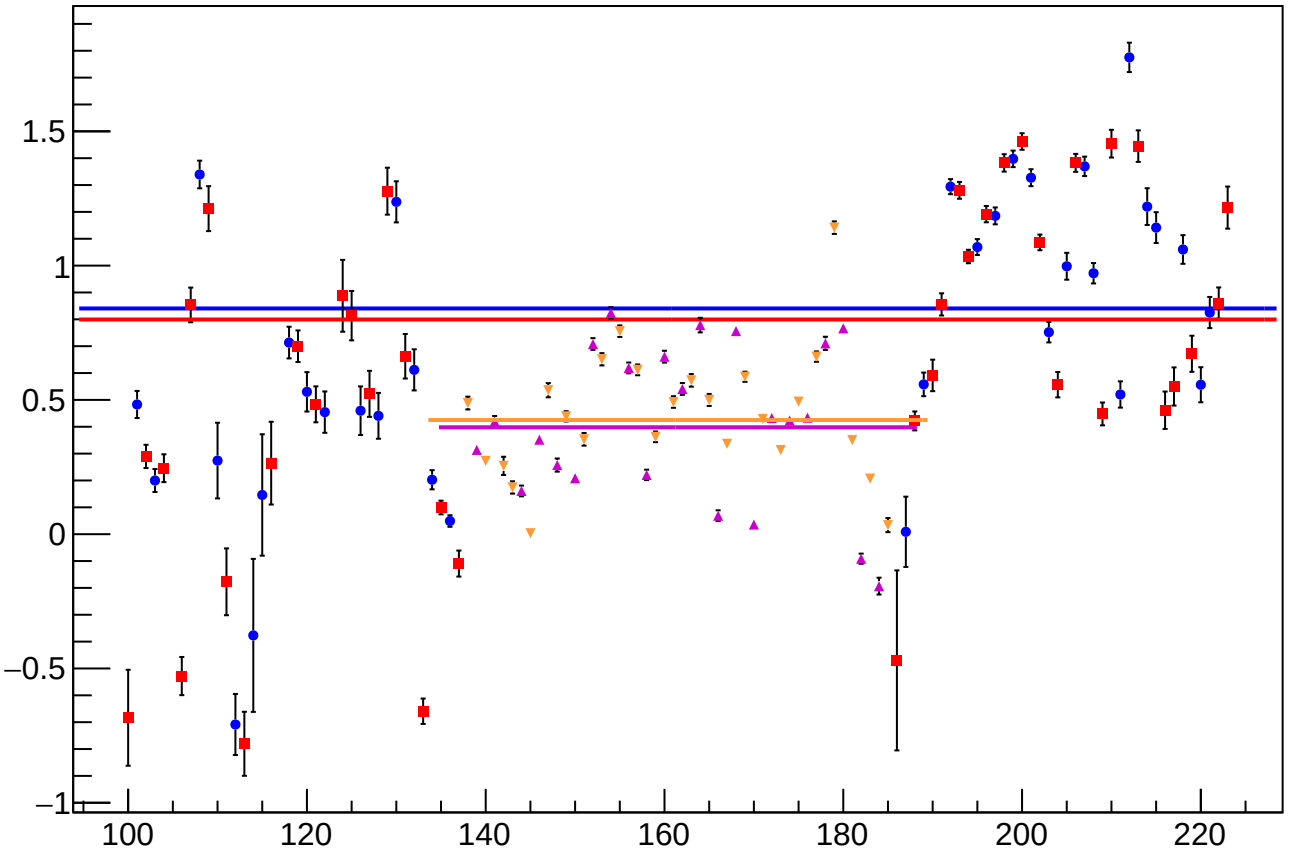
Right: 13.531+/-0.087 χ^2/NDF: 24916.5/72

In: 10.813+/-0.081 χ^2/NDF:25320.2/56

Out: 11.194+/-0.079 χ^2/NDF:29504.0/63

All: 11.010+/-0.057 χ^2/NDF: 54835.5/120


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
220
Right In: -65.867+/-0.174 χ²/NDF: 43694.9/33
Left Out: -73.907+/-0.090 χ²/NDF:15567.0/24
Right Out: -66.017+/-0.170 χ²/NDF: 50911.2/38
Left In: -72.763+/-0.093 χ²/NDF:12612.6/22
Left: -73.353+/-0.065 χ²/NDF: 28257.1/47
Right: -65.944+/-0.122 χ²/NDF: 94606.5/72
In: -71.219+/-0.082 χ²/NDF:57529.3/56
Out: -72.171+/-0.080 χ²/NDF:68151.7/63
All: -71.709+/-0.057 χ²/NDF: 125749.9/120



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

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

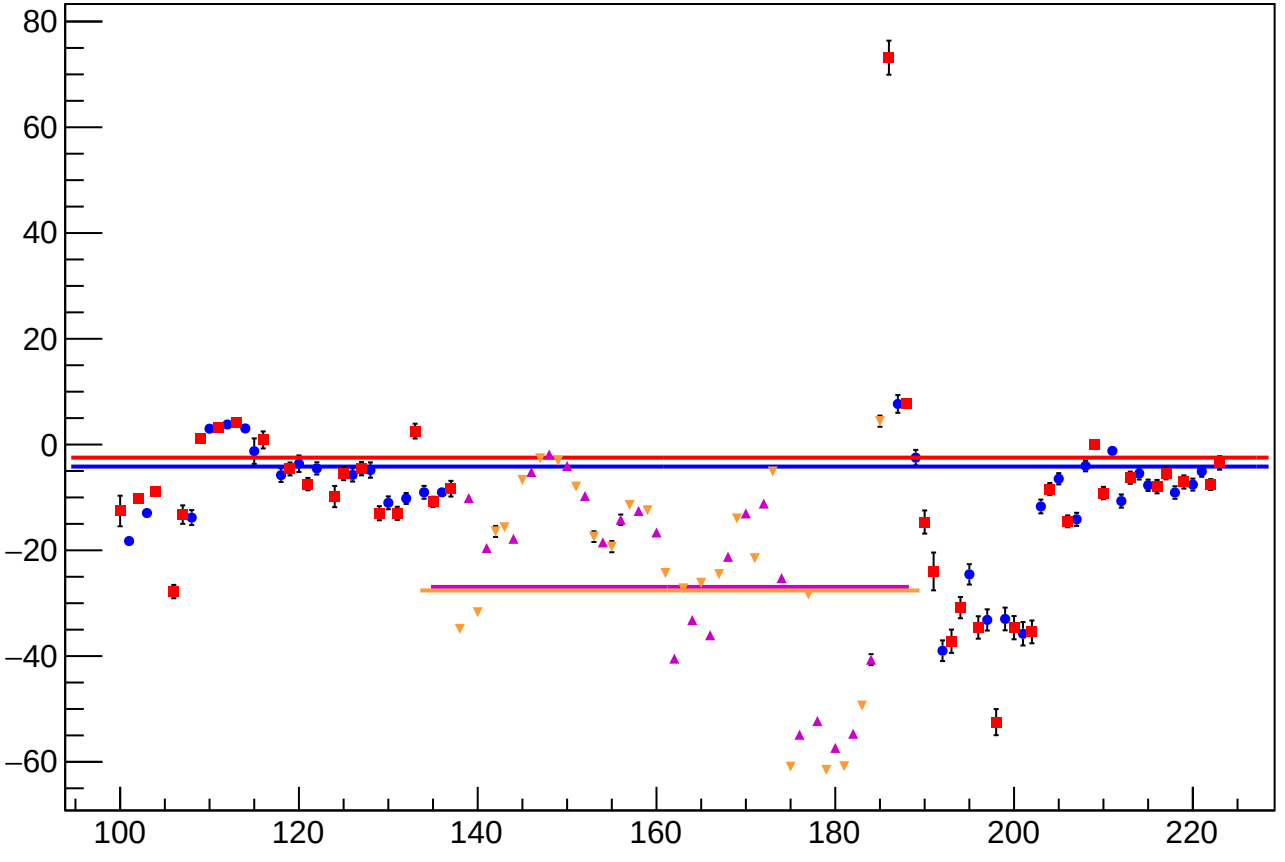
Right: 0.819+/-0.005 χ^2/NDF: 9513.7/72

In: 0.495+/-0.004 χ^2/NDF:10938.4/56

Out: 0.508+/-0.004 χ^2/NDF:10280.4/63

All: 0.502+/-0.003 χ^2/NDF: 21226.0/120

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

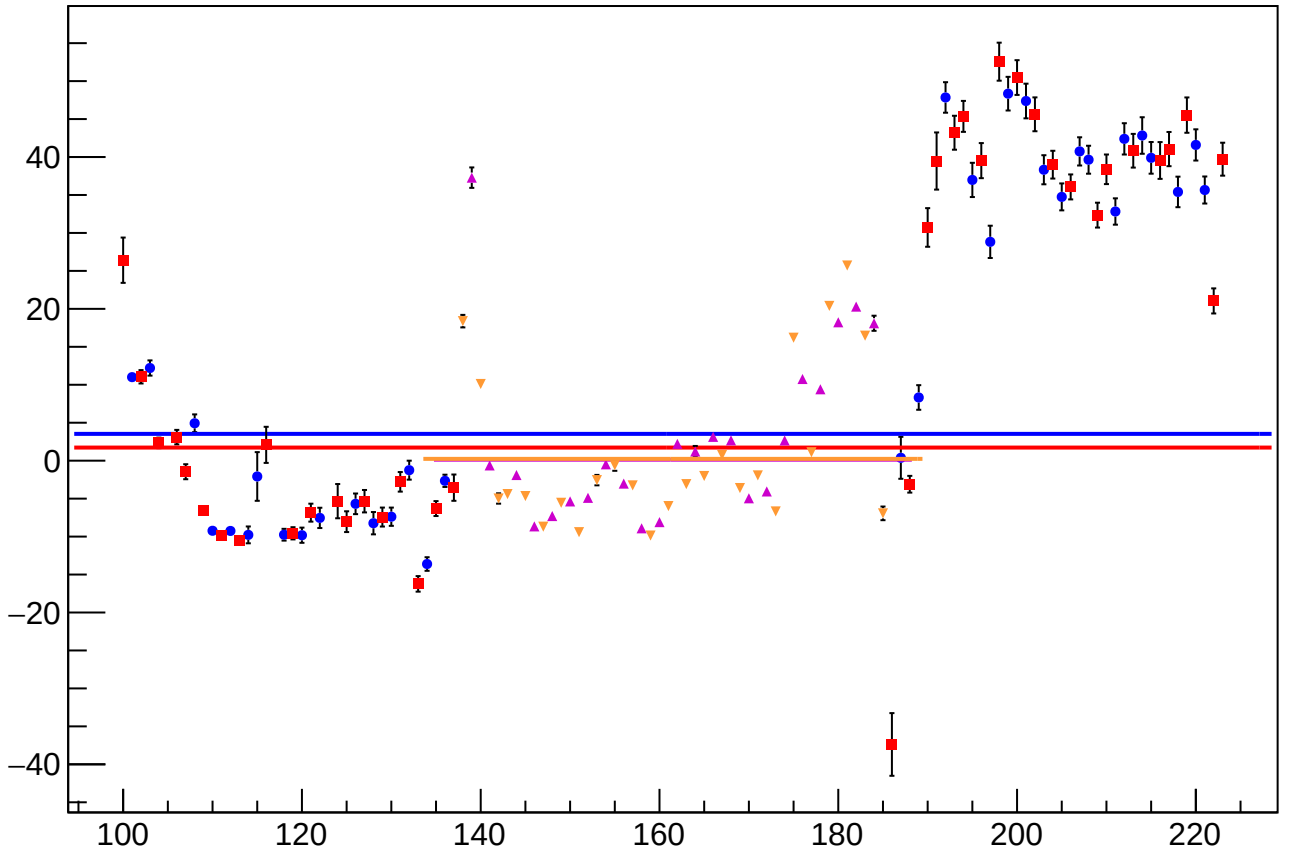
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -3.240+/-0.109 χ^2/NDF: 7057.7/72

In: -16.468+/-0.110 χ^2/NDF:29069.5/56

Out: -15.339+/-0.103 χ^2/NDF:38692.3/63

All: -15.869+/-0.075 χ^2/NDF: 67817.9/120



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

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

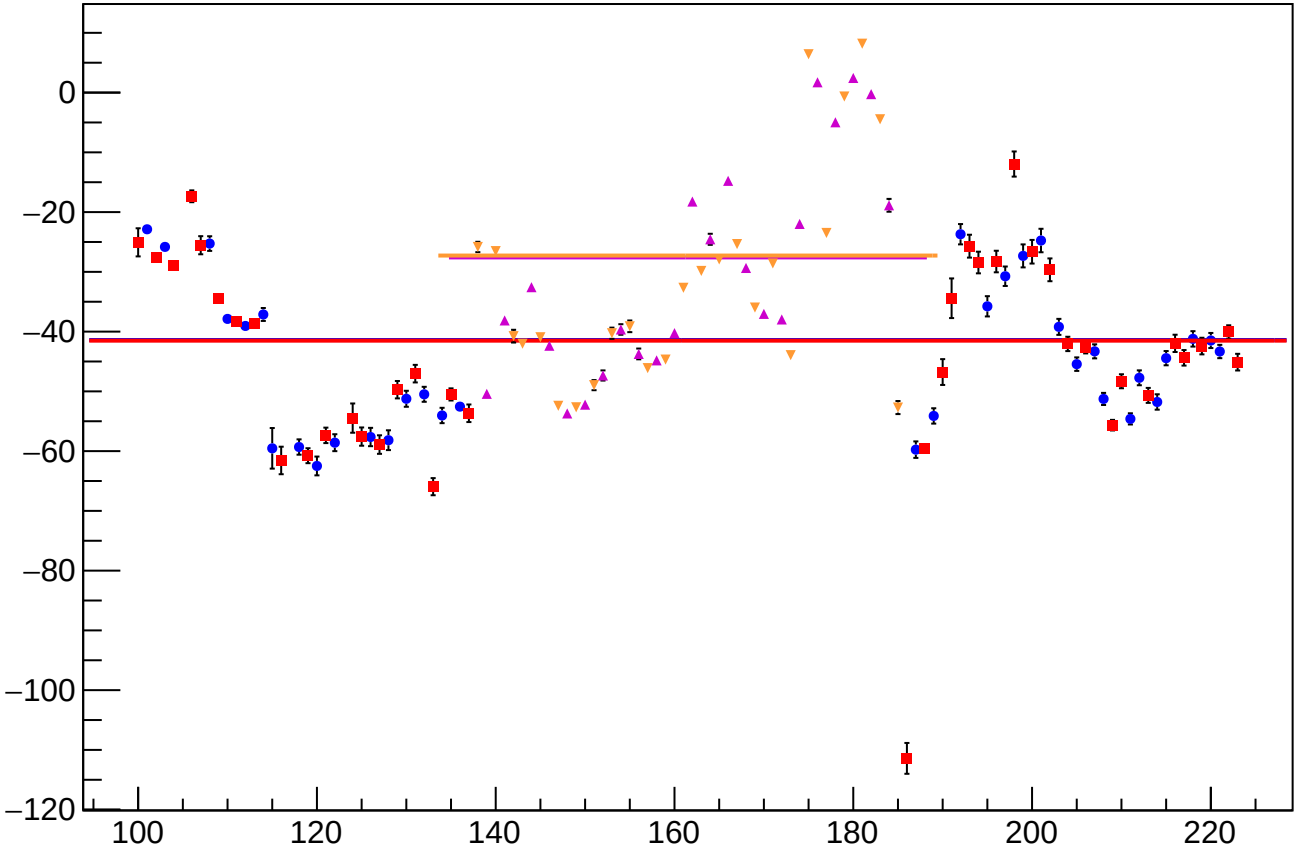
Right: 2.598+/-0.141 χ^2/NDF: 15545.5/72

In: 0.949+/-0.100 χ^2/NDF:13720.8/56

Out: 0.594+/-0.096 χ^2/NDF:15912.6/63

All: 0.765+/-0.069 χ^2/NDF: 29640.0/120

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

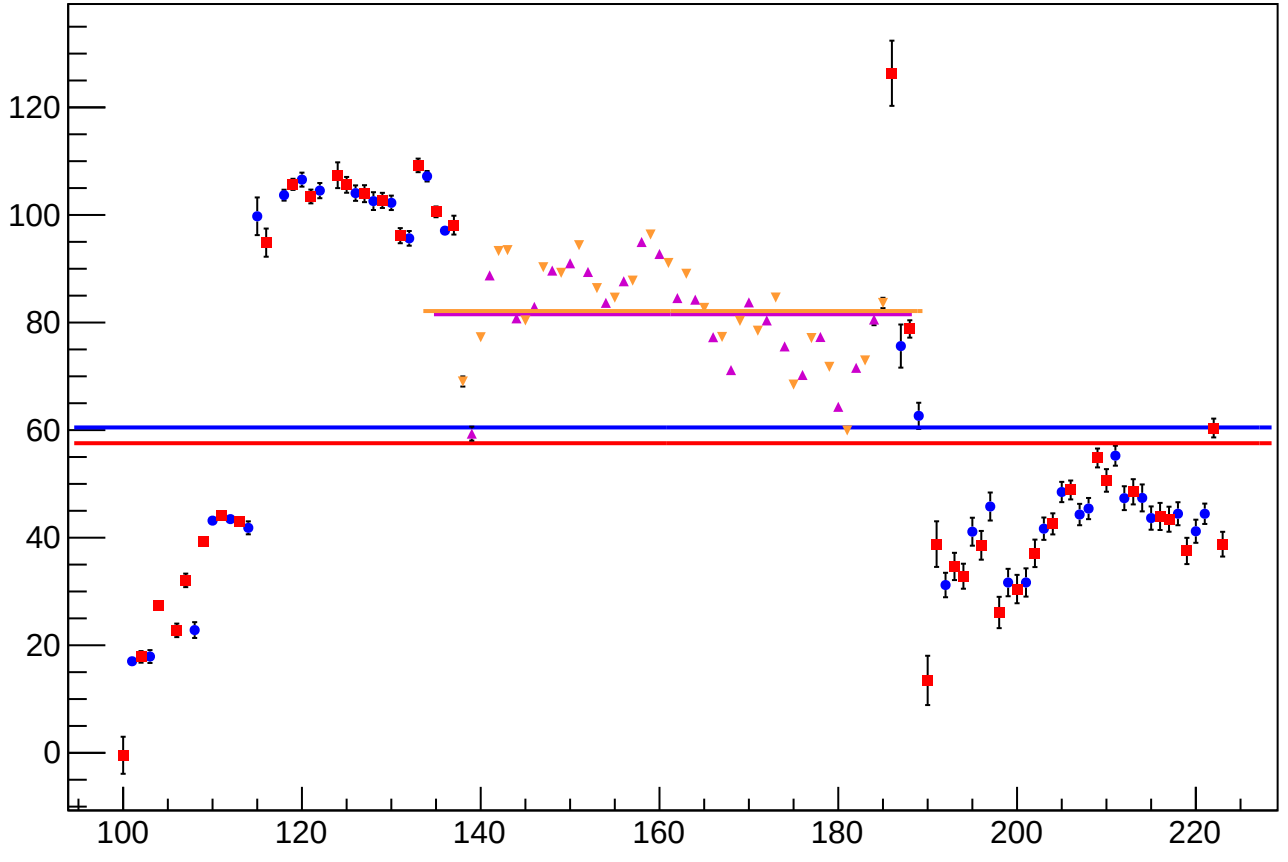
Right: -41.462+/-0.125 χ^2/NDF: 9375.0/72

In: -33.136+/-0.115 χ^2/NDF:23152.2/56

Out: -33.146+/-0.110 χ^2/NDF:27934.3/63

All: -33.141+/-0.079 χ^2/NDF: 51086.5/120

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

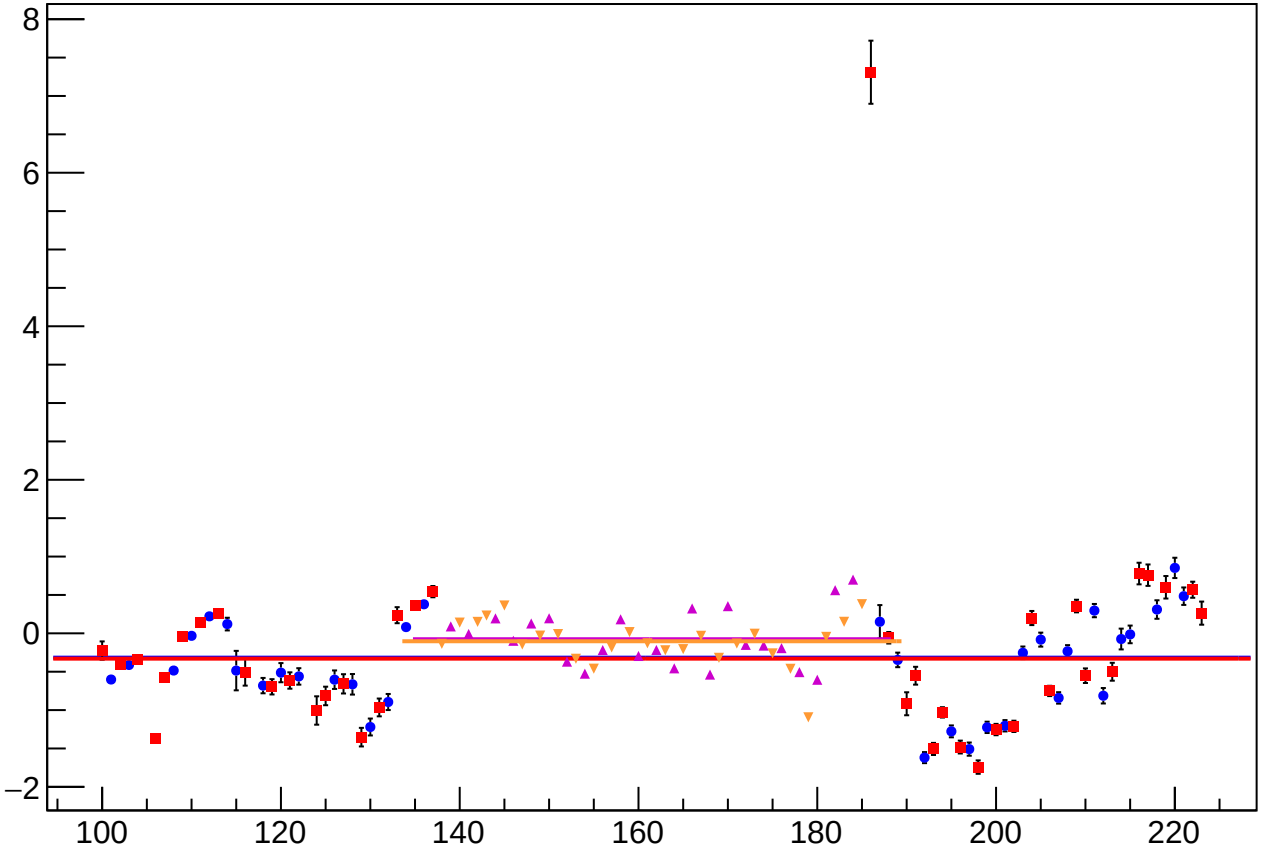
Right: 58.985+/-0.161 χ^2/NDF: 38762.2/72

In: 76.547+/-0.113 χ^2/NDF:30267.1/56

Out: 76.320+/-0.109 χ^2/NDF:33325.5/63

All: 76.430+/-0.078 χ^2/NDF: 63594.7/120

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

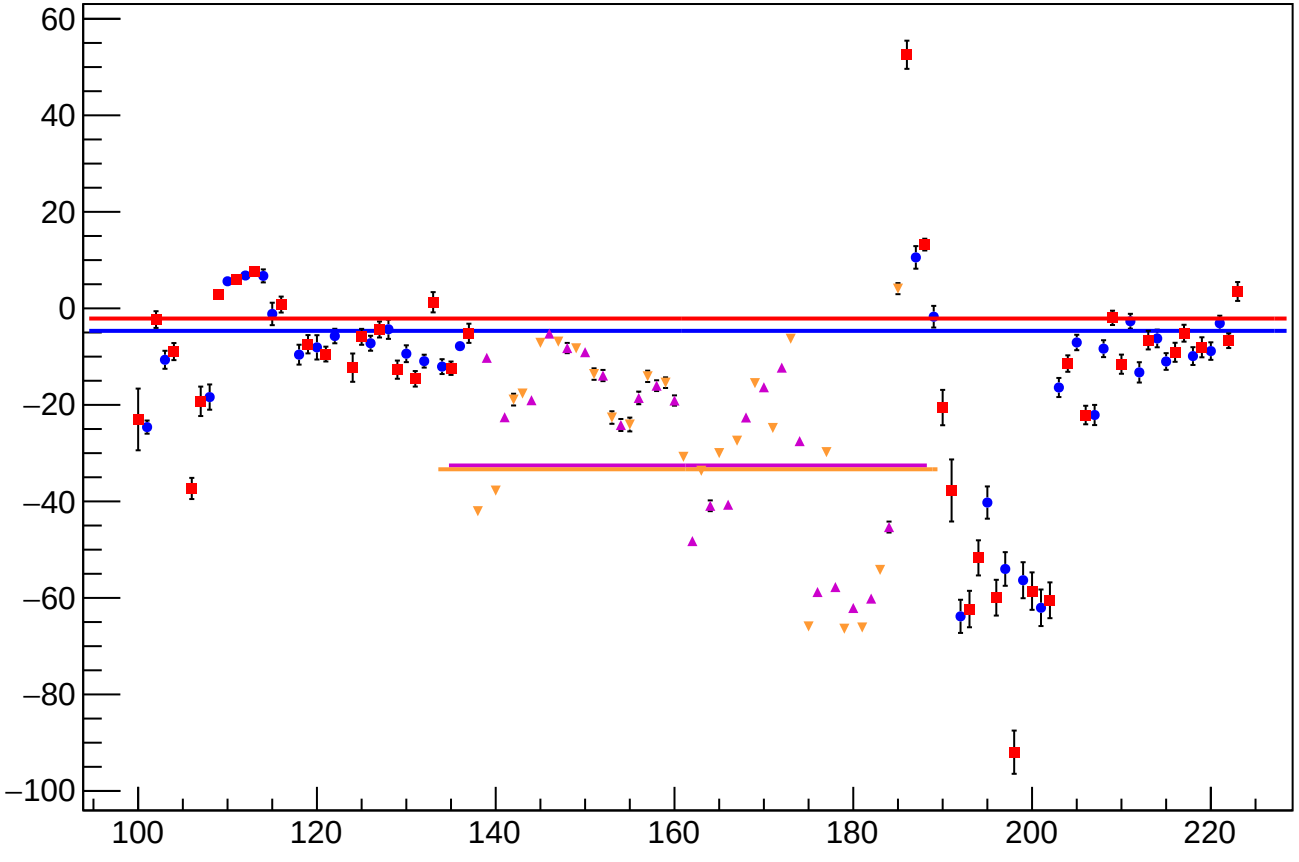
Right: -0.324+/-0.008 χ^2/NDF: 5583.1/72

In: -0.125+/-0.005 χ^2/NDF:5952.1/56

Out: -0.150+/-0.005 χ^2/NDF:6050.0/63

All: -0.138+/-0.004 χ^2/NDF: 12013.7/120

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

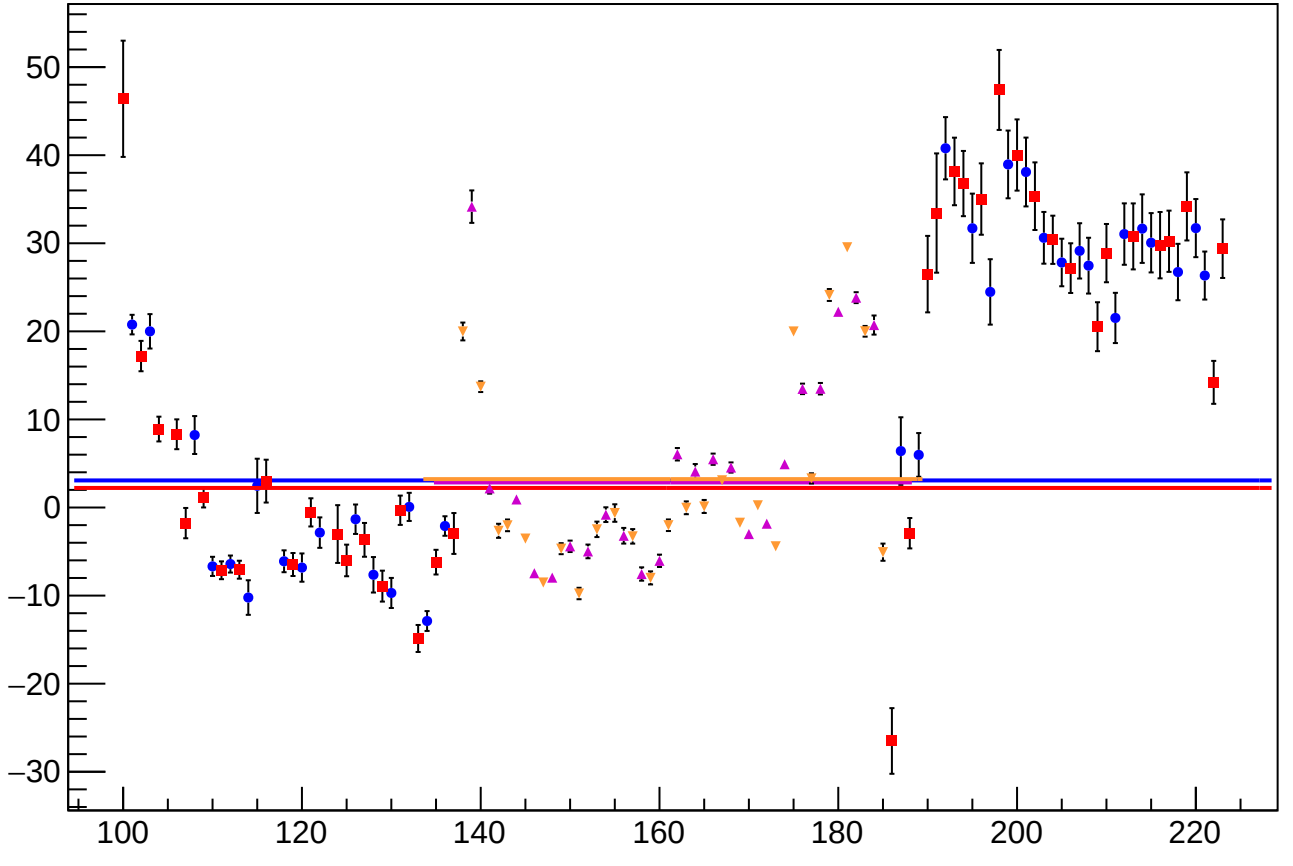
Right: -3.297+/-0.177 χ^2/NDF: 5588.6/72

In: -24.239+/-0.142 χ^2/NDF:24211.6/56

Out: -23.499+/-0.136 χ^2/NDF:32649.3/63

All: -23.854+/-0.098 χ^2/NDF: 56875.1/120

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

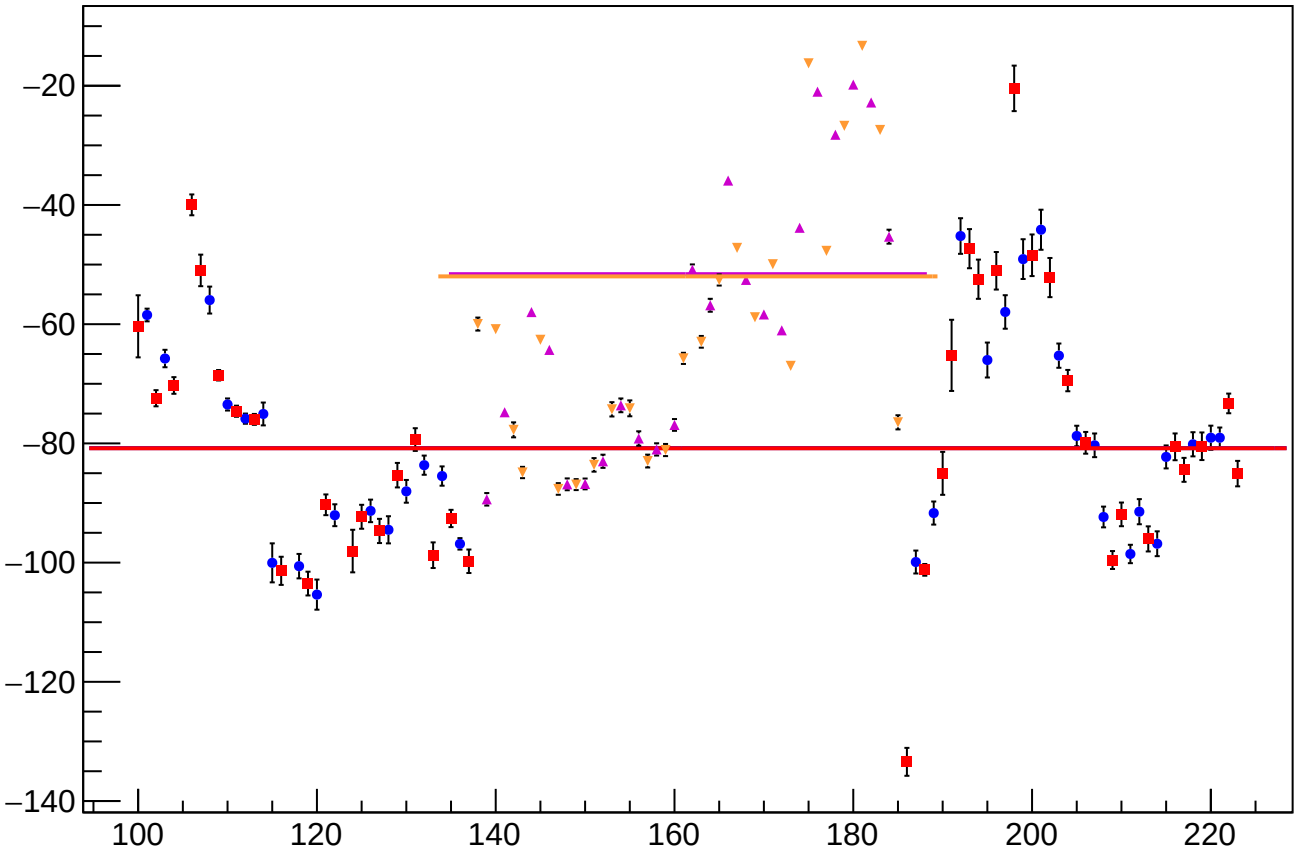
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 2.644+/-0.227 χ^2/NDF: 3949.1/72

In: 2.878+/-0.122 χ^2/NDF:7531.9/56

Out: 3.085+/-0.119 χ^2/NDF:9553.7/63

All: 2.984+/-0.085 χ^2/NDF: 17087.1/120



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

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

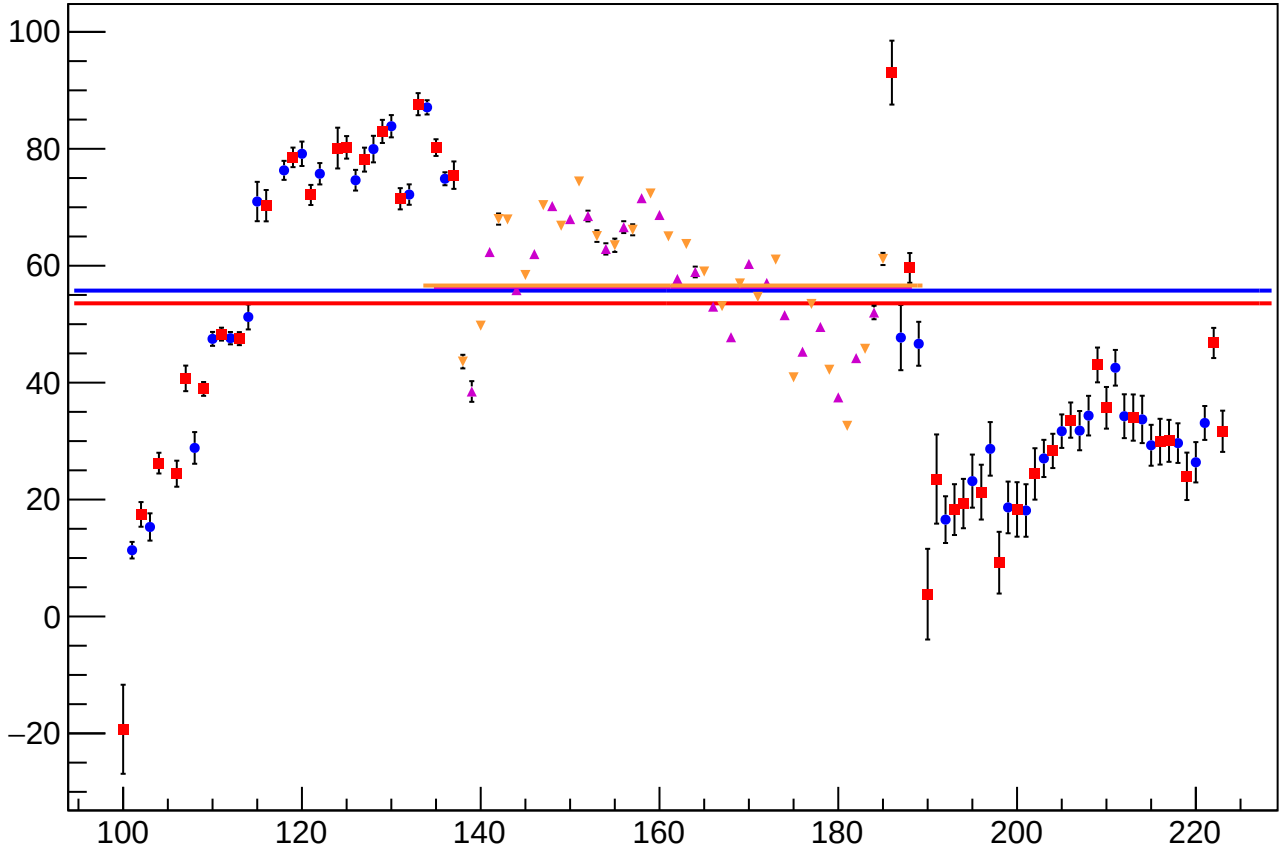
Right: -80.805+/-0.203 χ^2/NDF: 5839.7/72

In: -58.942+/-0.146 χ^2/NDF:27394.0/56

Out: -59.337+/-0.142 χ^2/NDF:32247.2/63

All: -59.145+/-0.102 χ^2/NDF: 59644.9/120

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

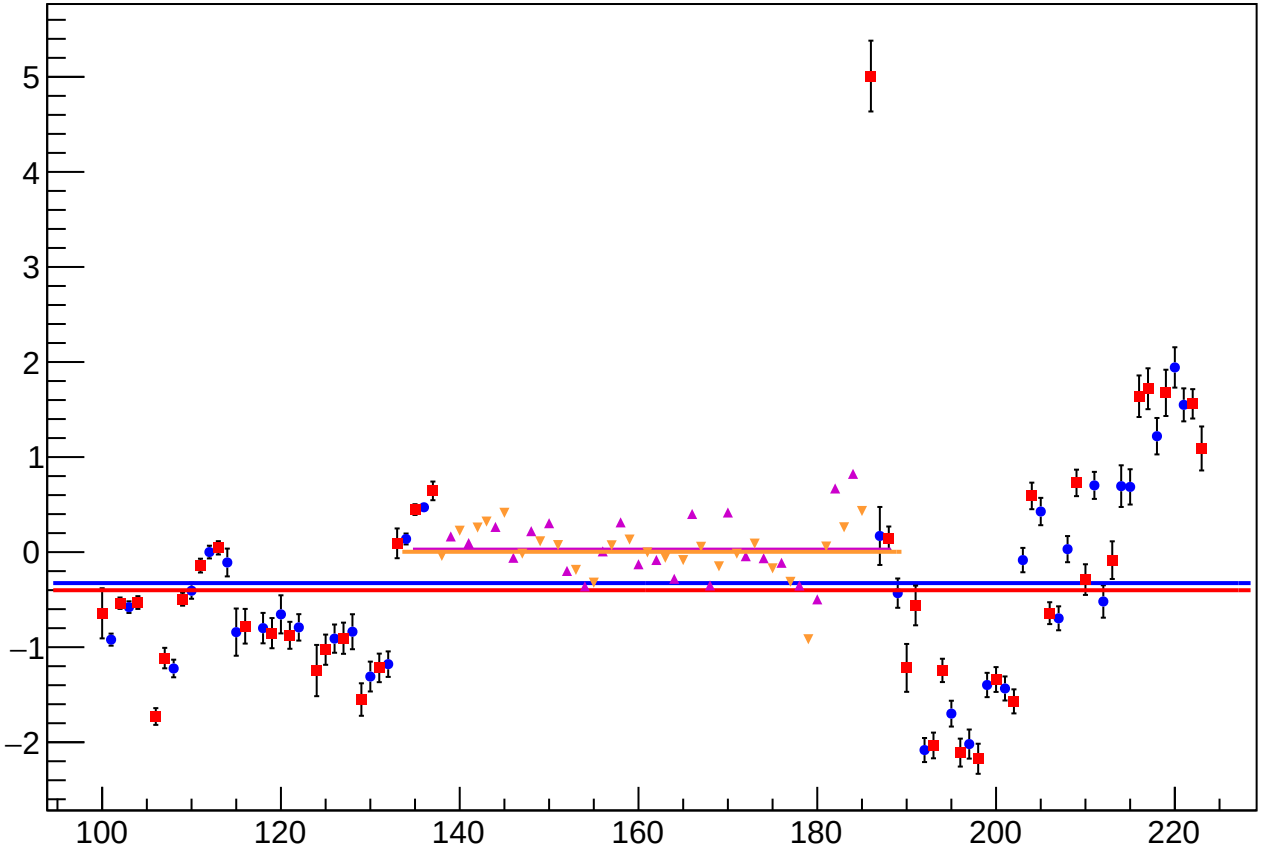
Right: 54.651+/-0.256 χ^2/NDF: 8041.0/72

In: 56.262+/-0.137 χ^2/NDF:8286.3/56

Out: 56.195+/-0.134 χ^2/NDF:9435.2/63

All: 56.228+/-0.096 χ^2/NDF: 17721.6/120

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

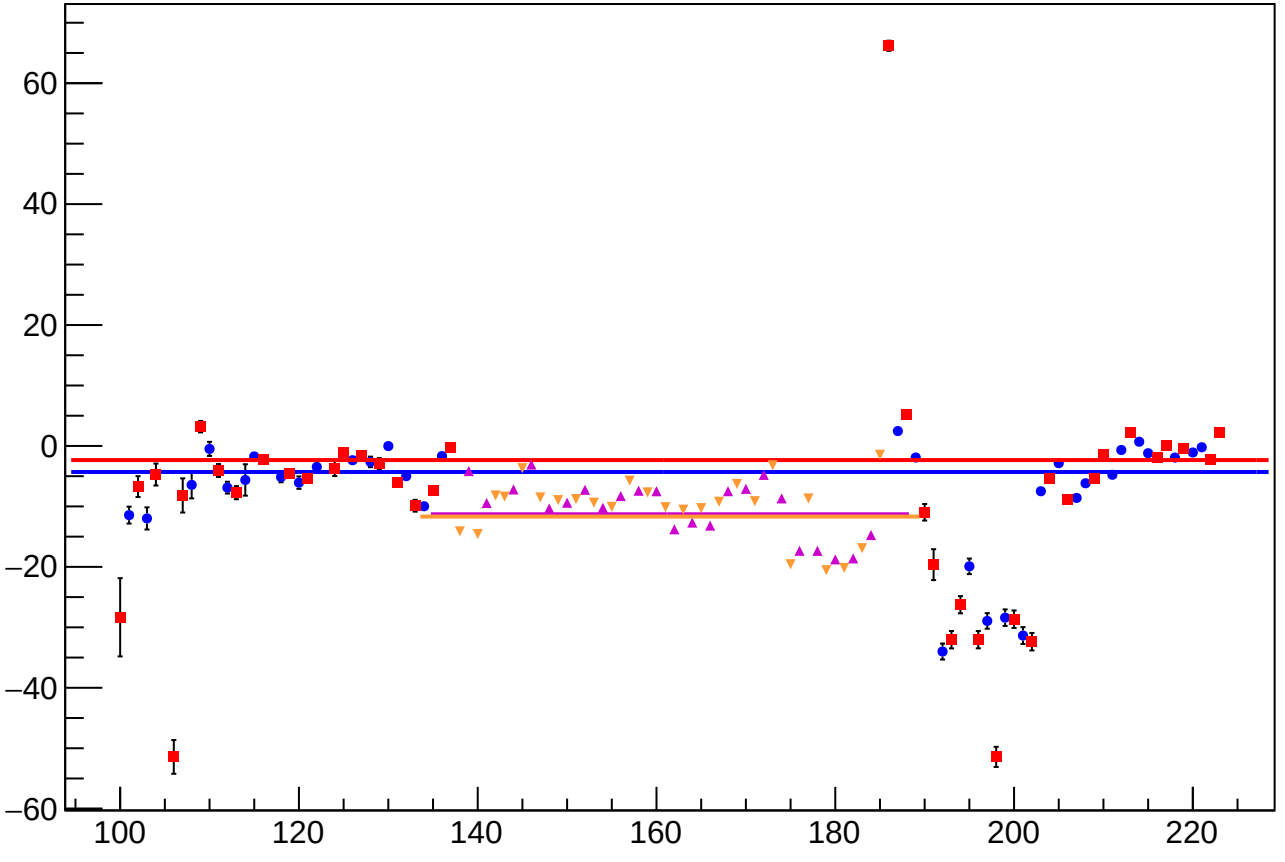
Right: -0.363+/-0.013 χ^2/NDF: 3990.9/72

In: -0.013+/-0.006 χ^2/NDF:4416.9/56

Out: -0.040+/-0.006 χ^2/NDF:4358.0/63

All: -0.027+/-0.004 χ^2/NDF: 8784.3/120

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

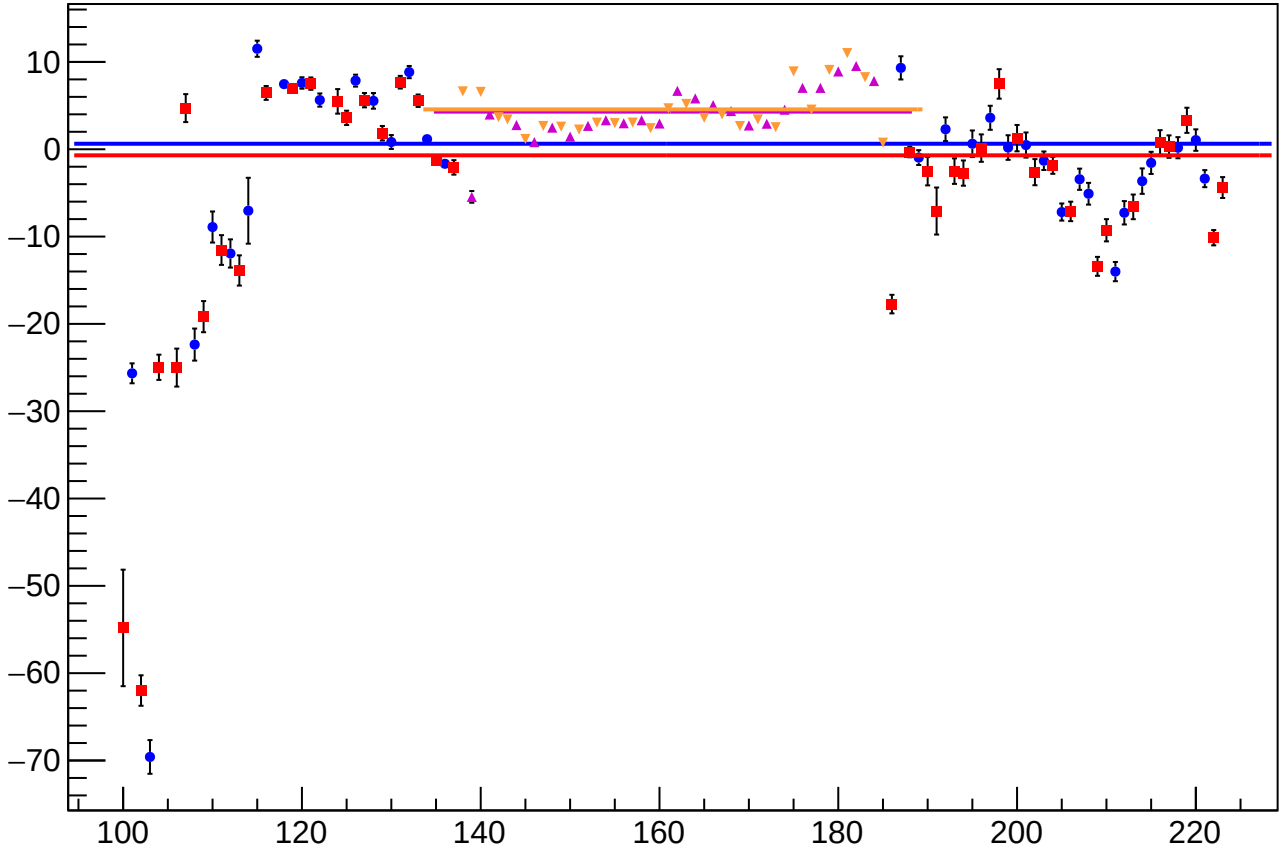
Right: -3.329+/-0.092 χ^2/NDF: 13032.5/72

In: -10.276+/-0.050 χ^2/NDF:13968.9/56

Out: -10.387+/-0.049 χ^2/NDF:27604.2/63

All: -10.332+/-0.035 χ^2/NDF: 41575.6/120

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

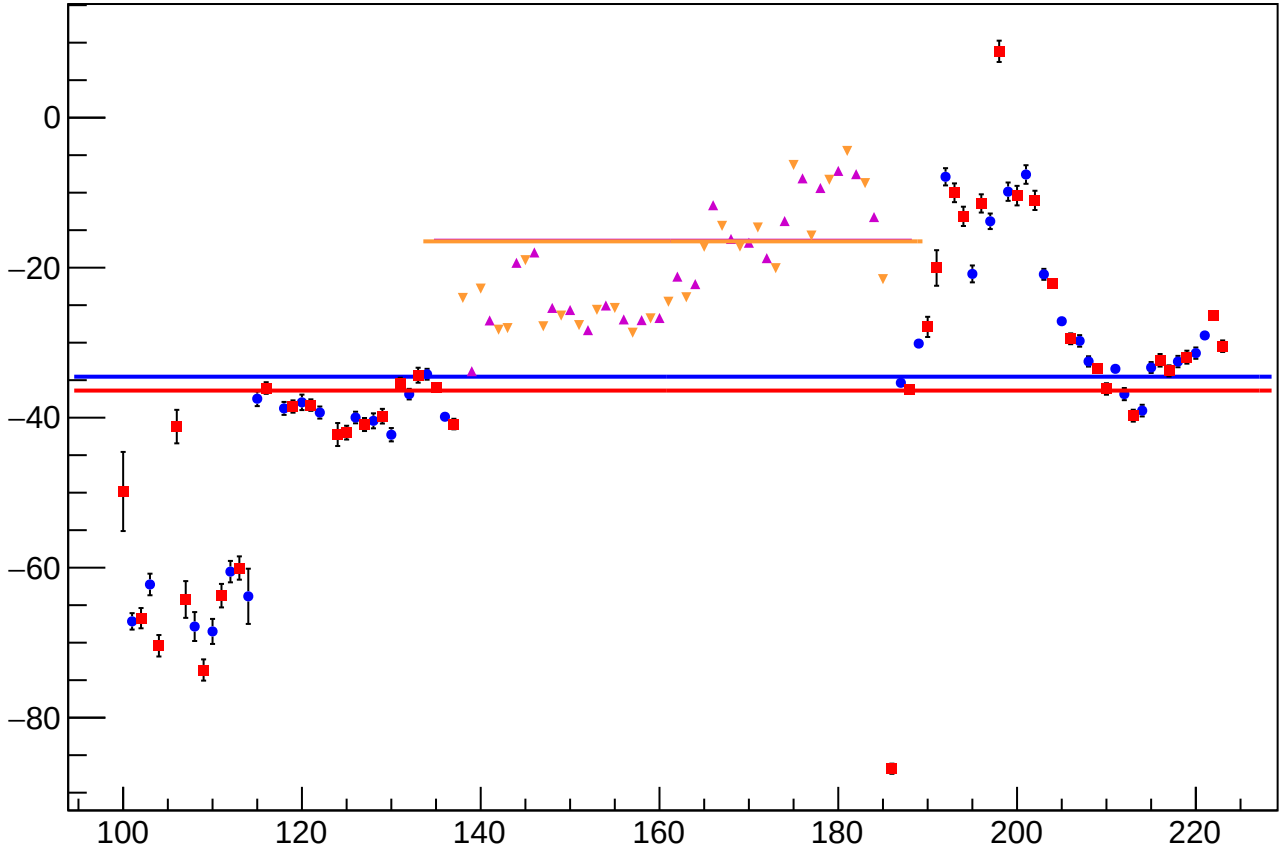
Right: -0.005+/-0.113 χ^2/NDF: 6647.1/72

In: 4.062+/-0.041 χ^2/NDF:7395.7/56

Out: 4.248+/-0.040 χ^2/NDF:8663.5/63

All: 4.156+/-0.029 χ^2/NDF: 16069.8/120

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

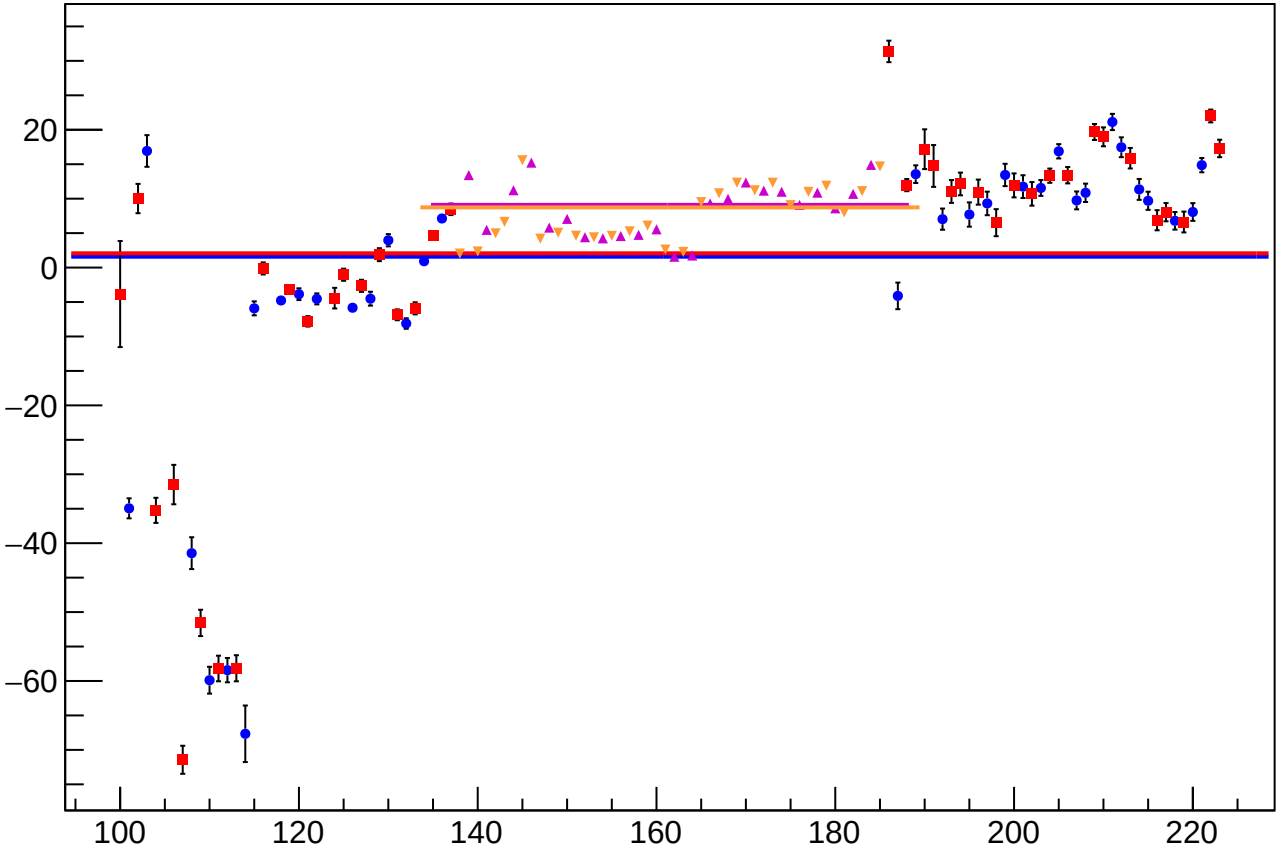
Right: -35.462+/-0.096 χ^2/NDF: 17929.6/72

In: -18.856+/-0.050 χ^2/NDF:38875.9/56

Out: -19.092+/-0.049 χ^2/NDF:52841.6/63

All: -18.976+/-0.035 χ^2/NDF: 91728.9/120

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

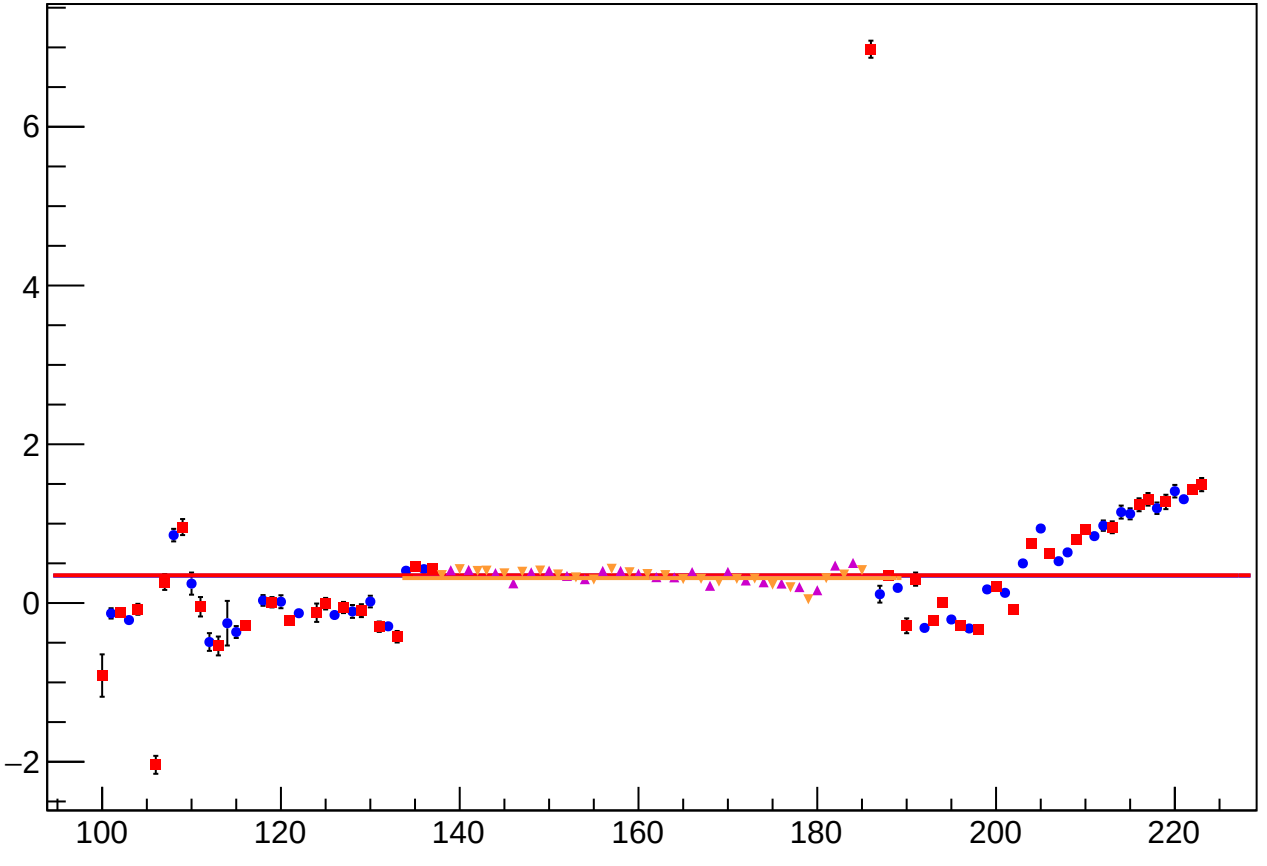
Right: 1.811+/-0.127 χ^2/NDF: 12797.4/72

In: 8.589+/-0.045 χ^2/NDF:12943.0/56

Out: 8.345+/-0.045 χ^2/NDF:15403.7/63

All: 8.465+/-0.032 χ^2/NDF: 28361.3/120

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

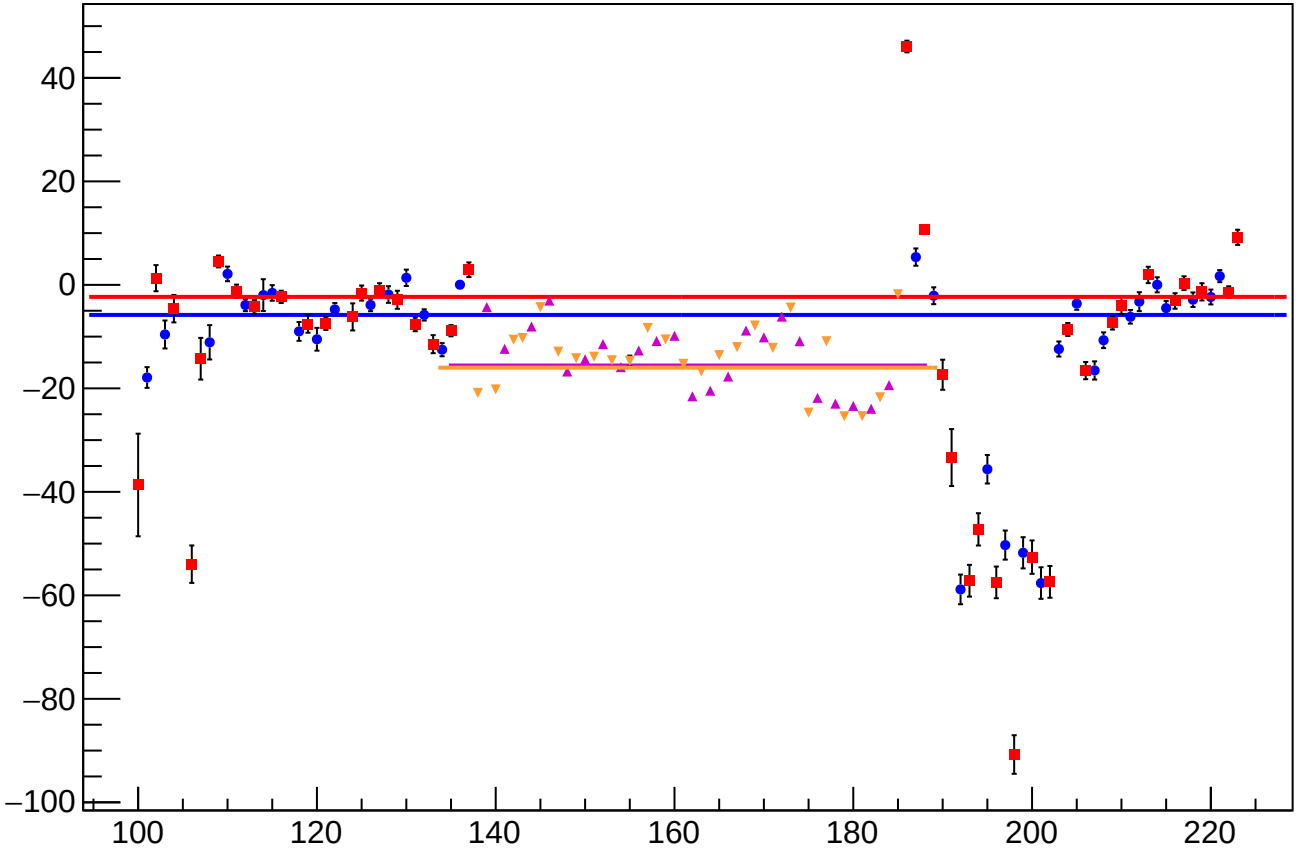
Right: 0.347+/-0.006 χ^2/NDF: 9162.6/72

In: 0.320+/-0.002 χ^2/NDF:4095.3/56

Out: 0.316+/-0.002 χ^2/NDF:8478.8/63

All: 0.318+/-0.001 χ^2/NDF: 12576.7/120

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

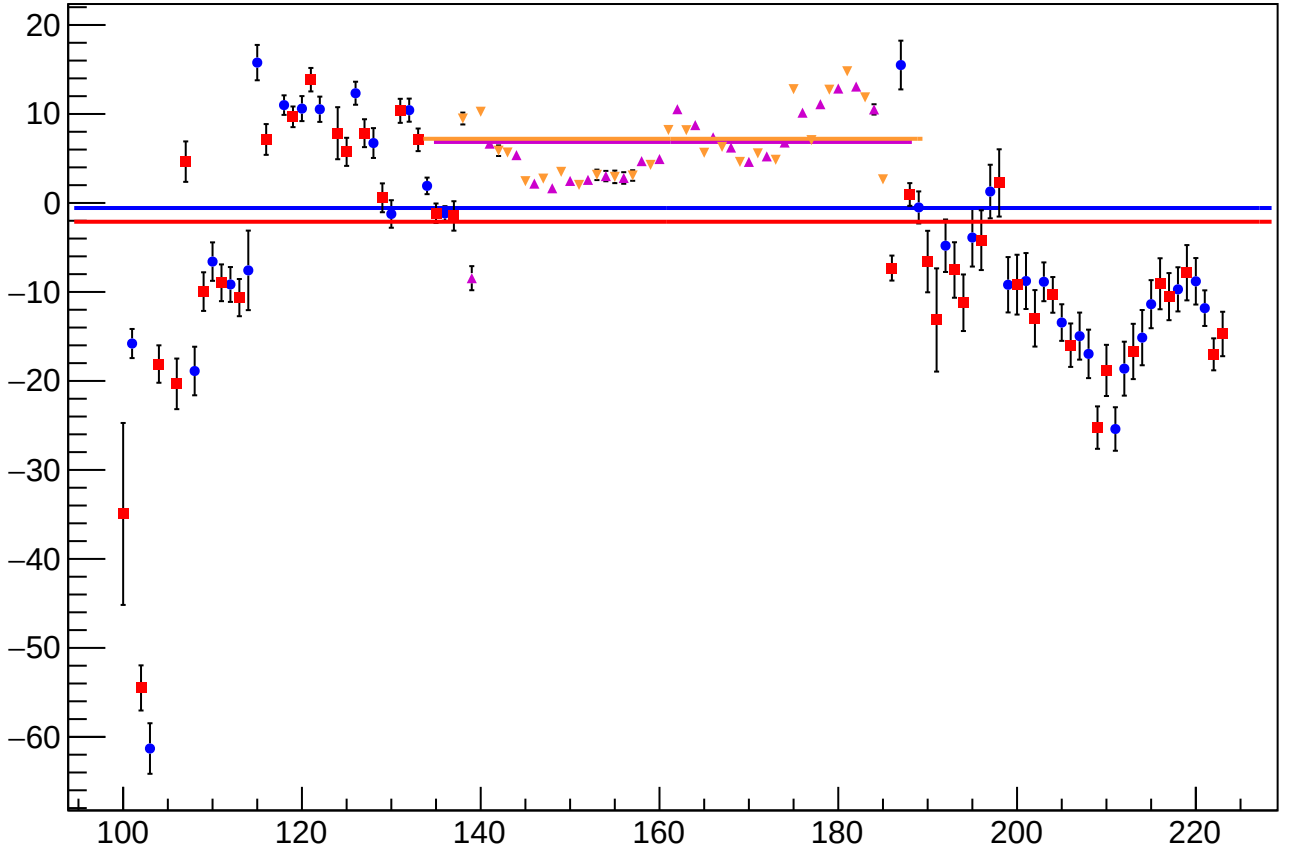
Right: -4.041+/-0.180 χ^2/NDF: 6394.0/72

In: -14.248+/-0.095 χ^2/NDF:7654.1/56

Out: -14.175+/-0.093 χ^2/NDF:13150.8/63

All: -14.211+/-0.066 χ^2/NDF: 20805.2/120

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

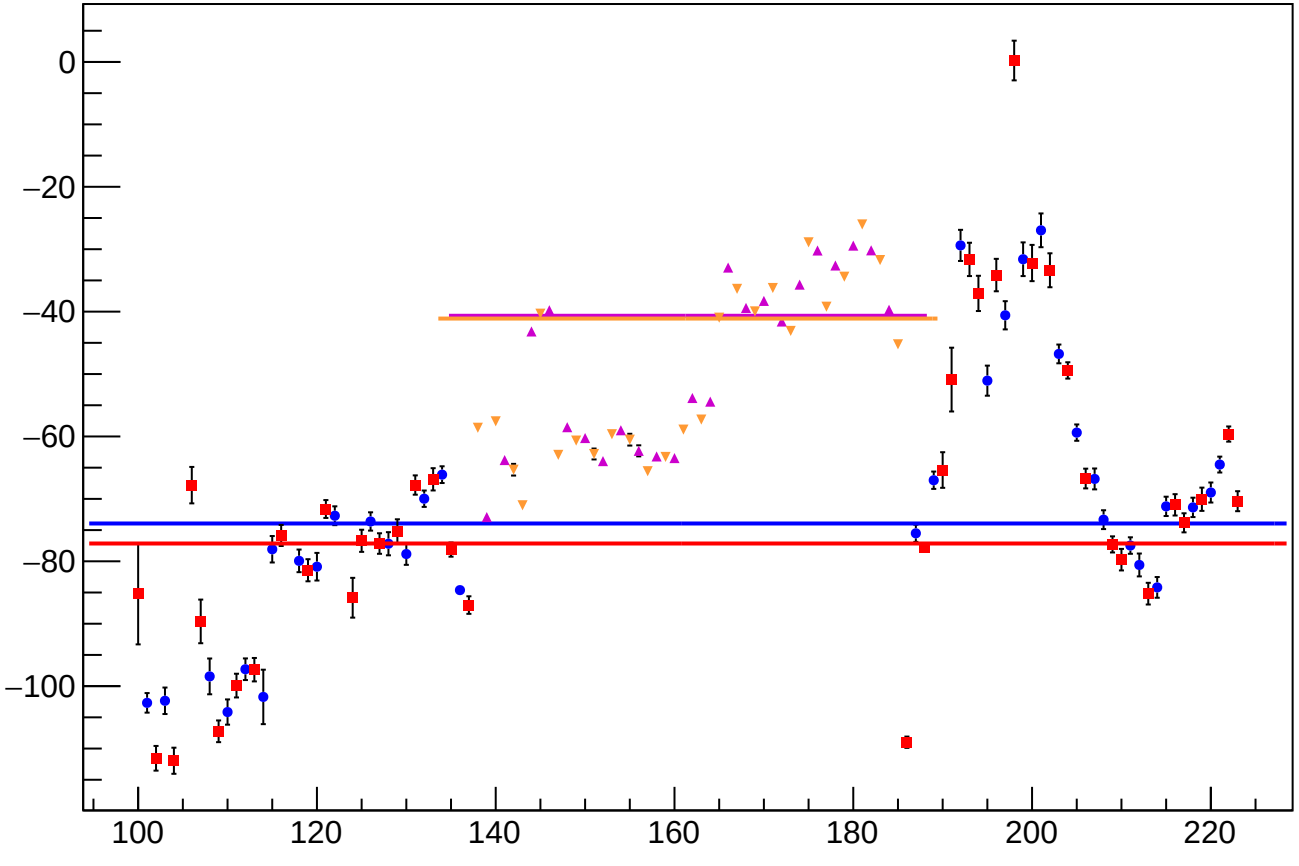
Right: -1.322+/-0.219 χ^2/NDF: 2983.7/72

In: 6.372+/-0.078 χ^2/NDF:4226.2/56

Out: 6.642+/-0.078 χ^2/NDF:4732.7/63

All: 6.508+/-0.055 χ^2/NDF: 8964.9/120

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

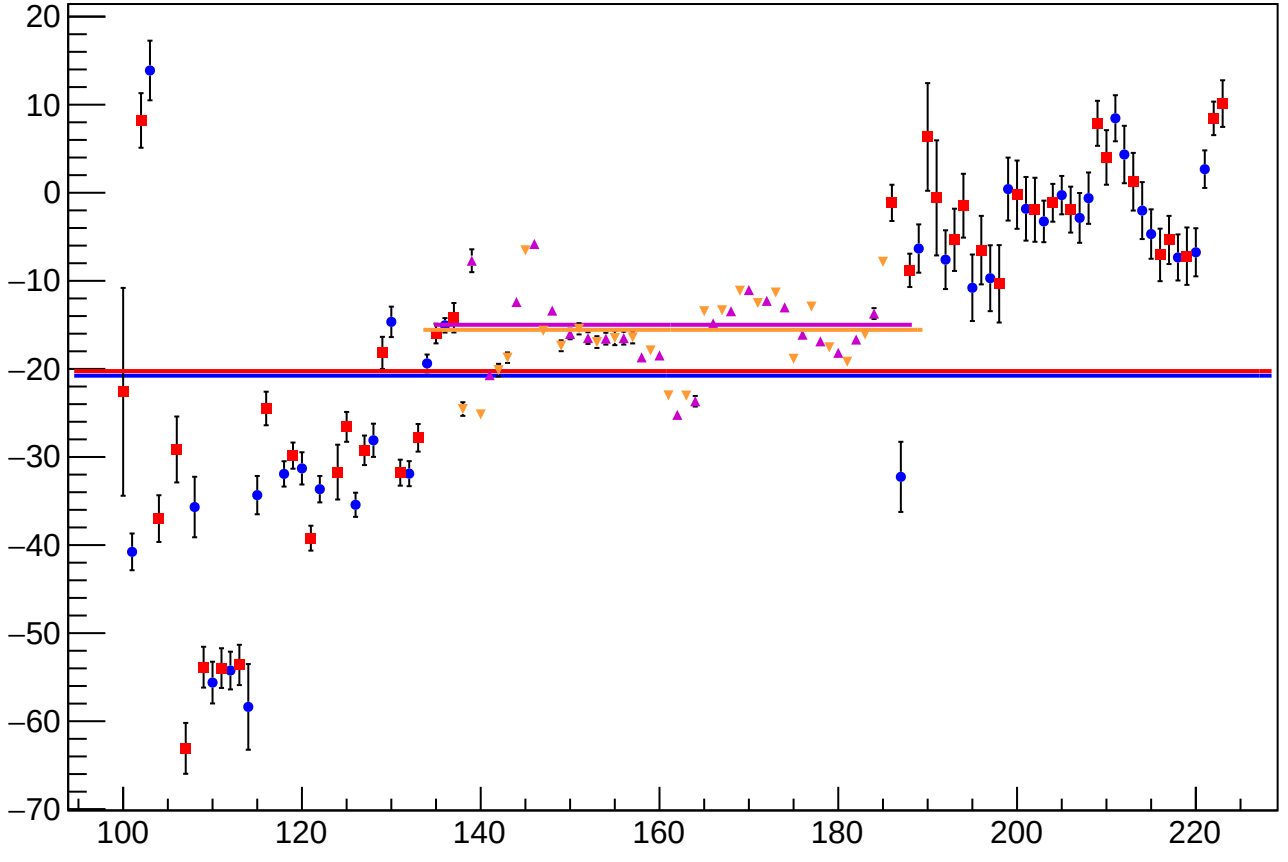
Right: -75.586+/-0.190 χ^2/NDF: 8435.0/72

In: -44.783+/-0.096 χ^2/NDF:29793.6/56

Out: -45.597+/-0.094 χ^2/NDF:37395.2/63

All: -45.199+/-0.067 χ^2/NDF: 67225.9/120

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

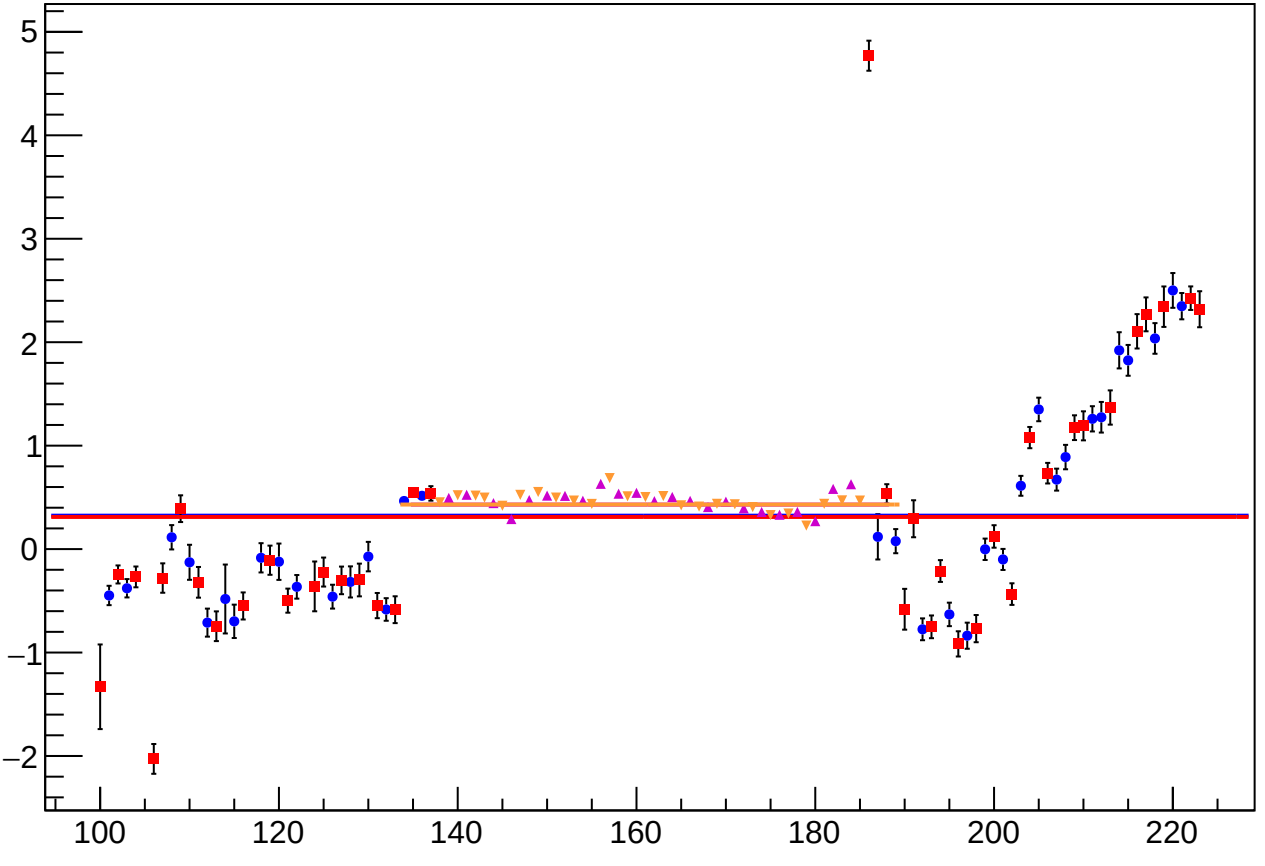
Right: -20.517+/-0.247 χ^2/NDF: 4419.7/72

In: -15.367+/-0.087 χ^2/NDF:4399.6/56

Out: -15.835+/-0.086 χ^2/NDF:5148.4/63

All: -15.604+/-0.061 χ^2/NDF: 9562.6/120

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

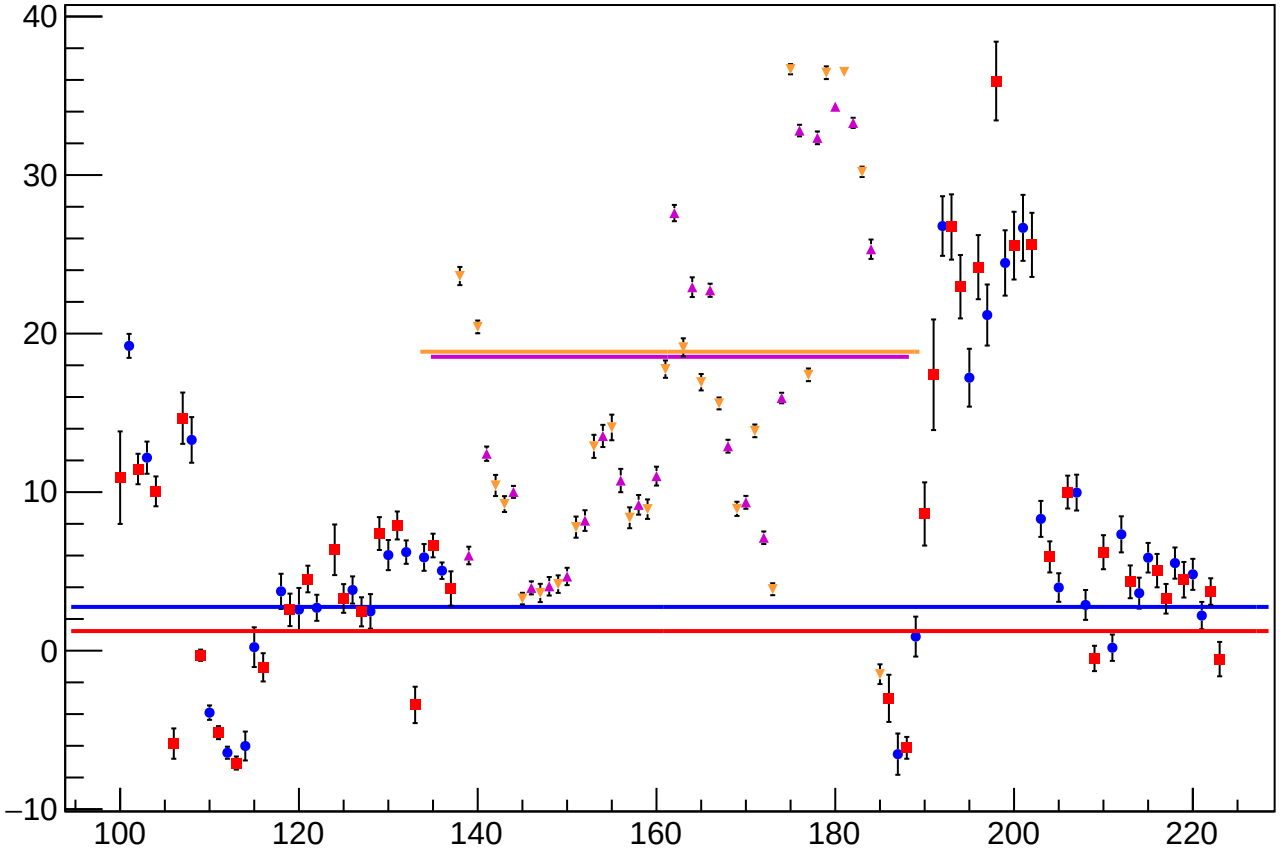
Right: 0.317+/-0.013 χ^2/NDF: 4840.7/72

In: 0.424+/-0.004 χ^2/NDF:2360.2/56

Out: 0.425+/-0.004 χ^2/NDF:3559.2/63

All: 0.425+/-0.003 χ^2/NDF: 5919.4/120

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

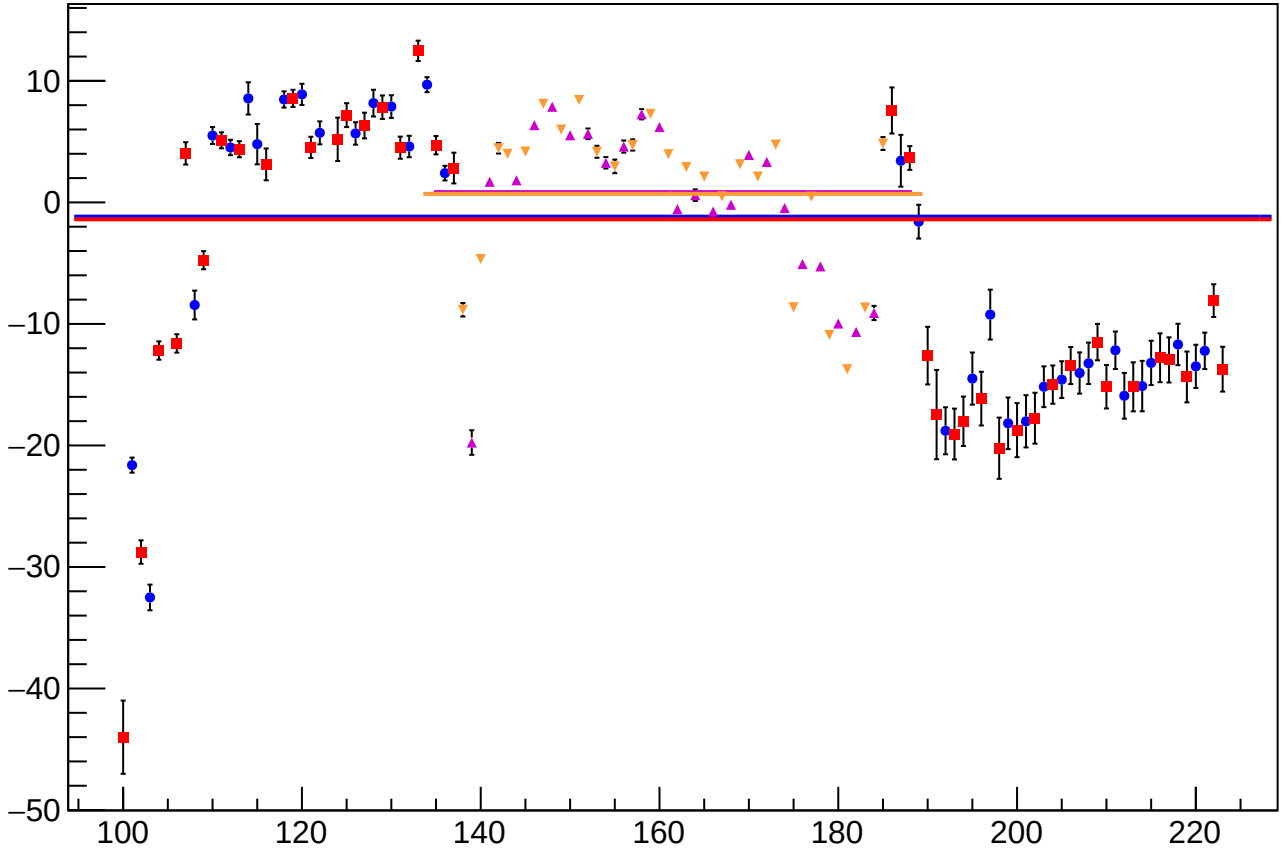
Right: 1.948+/-0.103 χ^2/NDF: 4766.7/72

In: 14.162+/-0.079 χ^2/NDF:24308.2/56

Out: 13.717+/-0.076 χ^2/NDF:31863.3/63

All: 13.930+/-0.055 χ^2/NDF: 56188.0/120

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

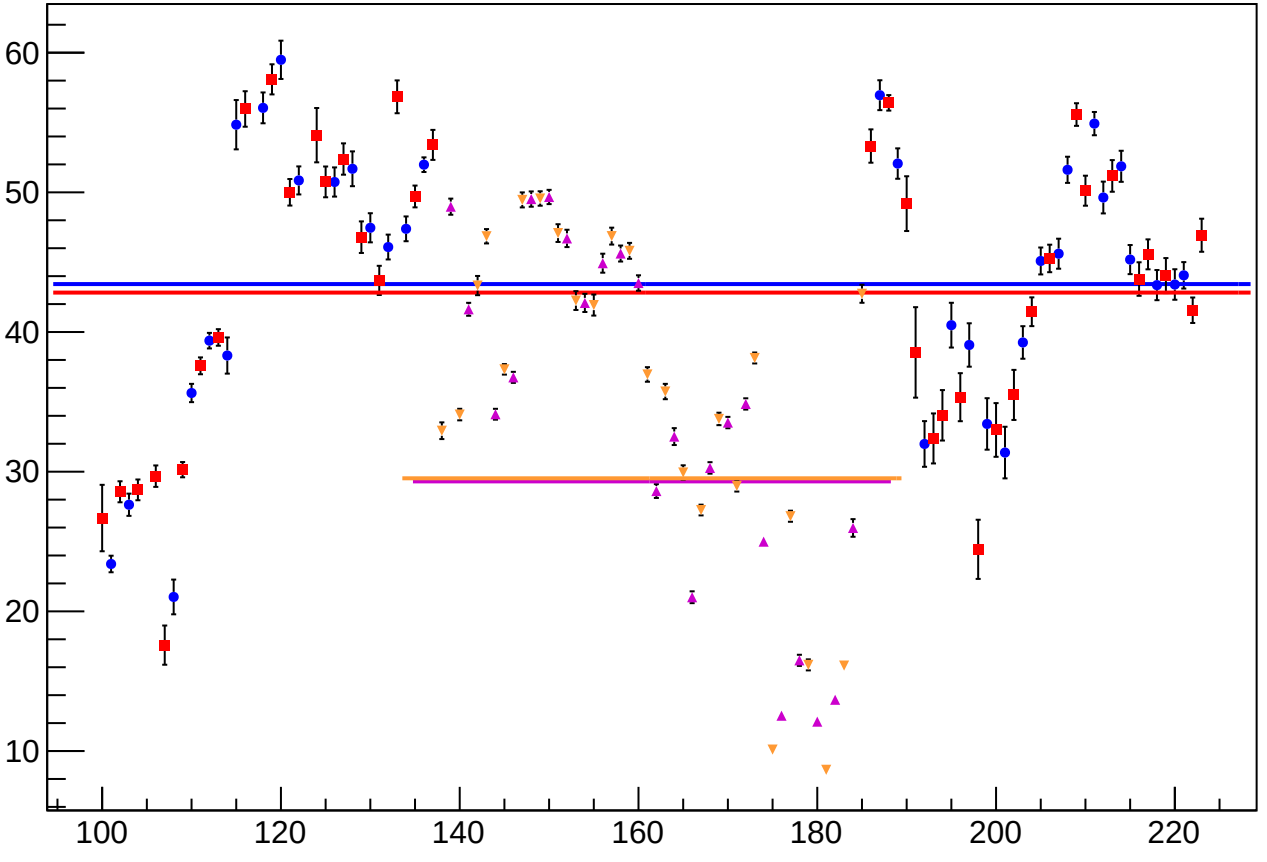
Right: -1.284+/-0.128 χ^2/NDF: 7536.1/72

In: 0.573+/-0.067 χ^2/NDF:10262.6/56

Out: 0.424+/-0.066 χ^2/NDF:11778.3/63

All: 0.497+/-0.047 χ^2/NDF: 22043.5/120

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

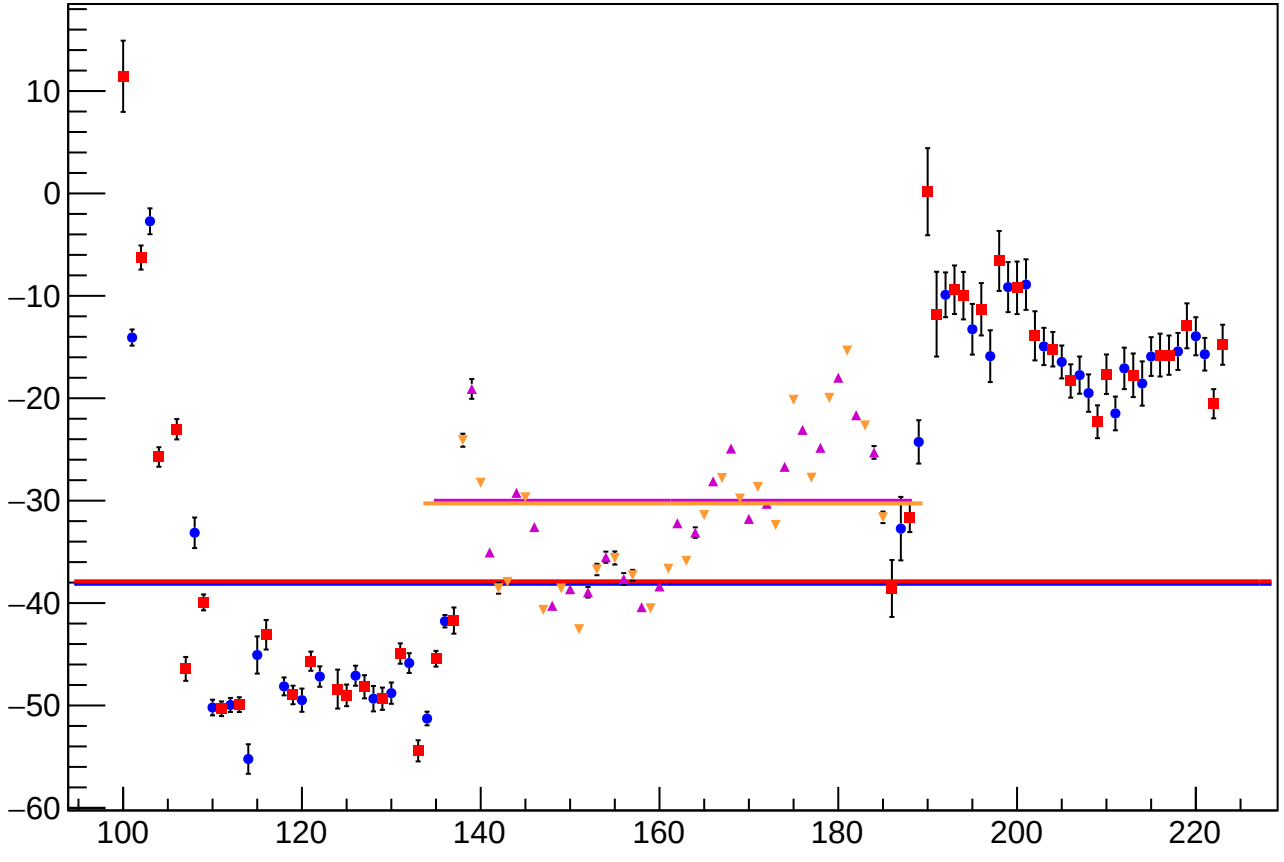
Right: 43.116+/-0.115 χ^2/NDF: 7715.8/72

In: 32.707+/-0.081 χ^2/NDF:26984.8/56

Out: 32.788+/-0.079 χ^2/NDF:30508.5/63

All: 32.749+/-0.056 χ^2/NDF: 57493.8/120

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

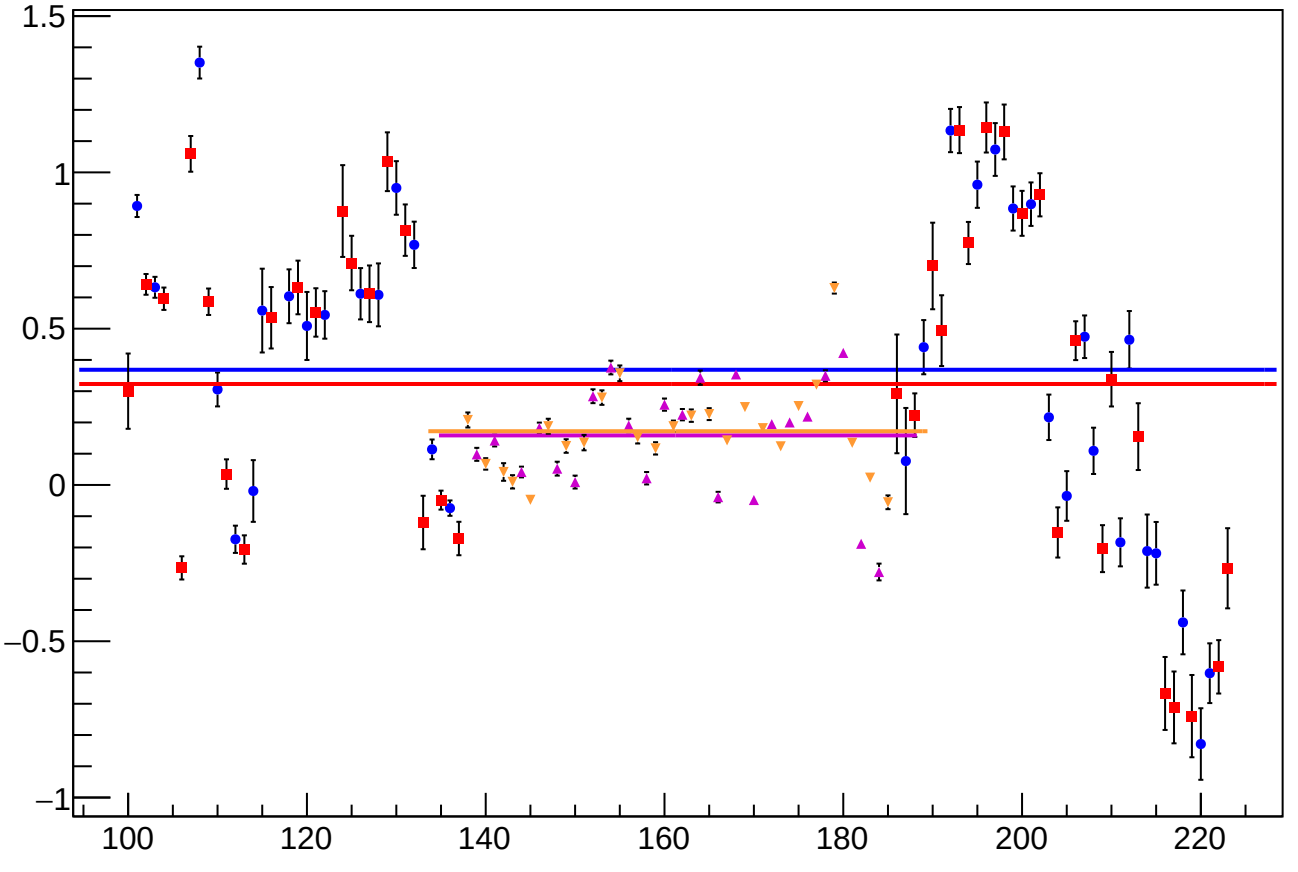
Right: -37.996+/-0.145 χ^2/NDF: 10775.8/72

In: -31.105+/-0.076 χ^2/NDF:13115.0/56

Out: -31.258+/-0.074 χ^2/NDF:14783.0/63

All: -31.183+/-0.053 χ^2/NDF: 27900.1/120

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

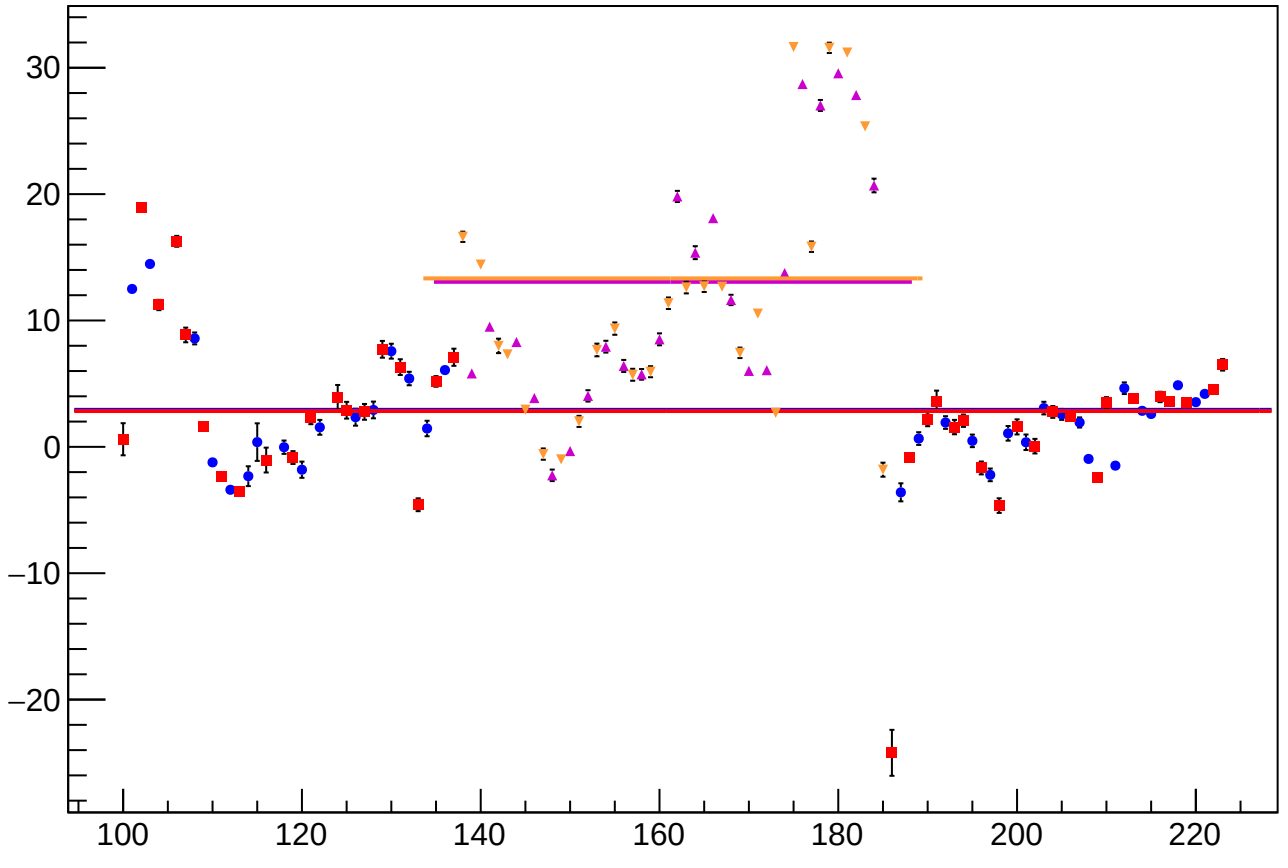
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.346+/-0.007 χ^2/NDF: 4284.4/72

In: 0.182+/-0.003 χ^2/NDF:4676.5/56

Out: 0.188+/-0.003 χ^2/NDF:3846.1/63

All: 0.185+/-0.002 χ^2/NDF: 8524.5/120



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

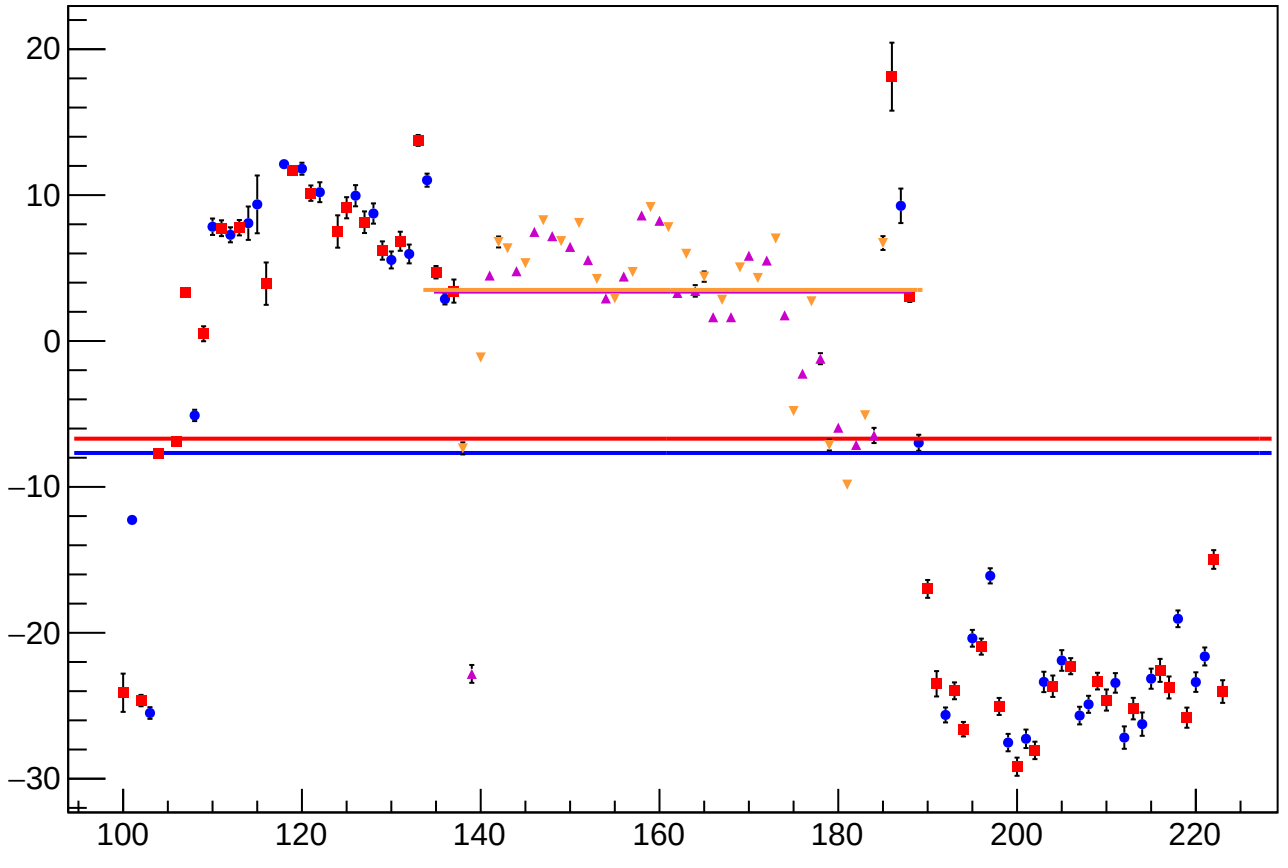
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.880+/-0.053 χ^2/NDF: 8909.6/72

In: 7.800+/-0.055 χ^2/NDF:27434.1/56

Out: 7.786+/-0.053 χ^2/NDF:34813.6/63

All: 7.793+/-0.038 χ^2/NDF: 62247.7/120



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

Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

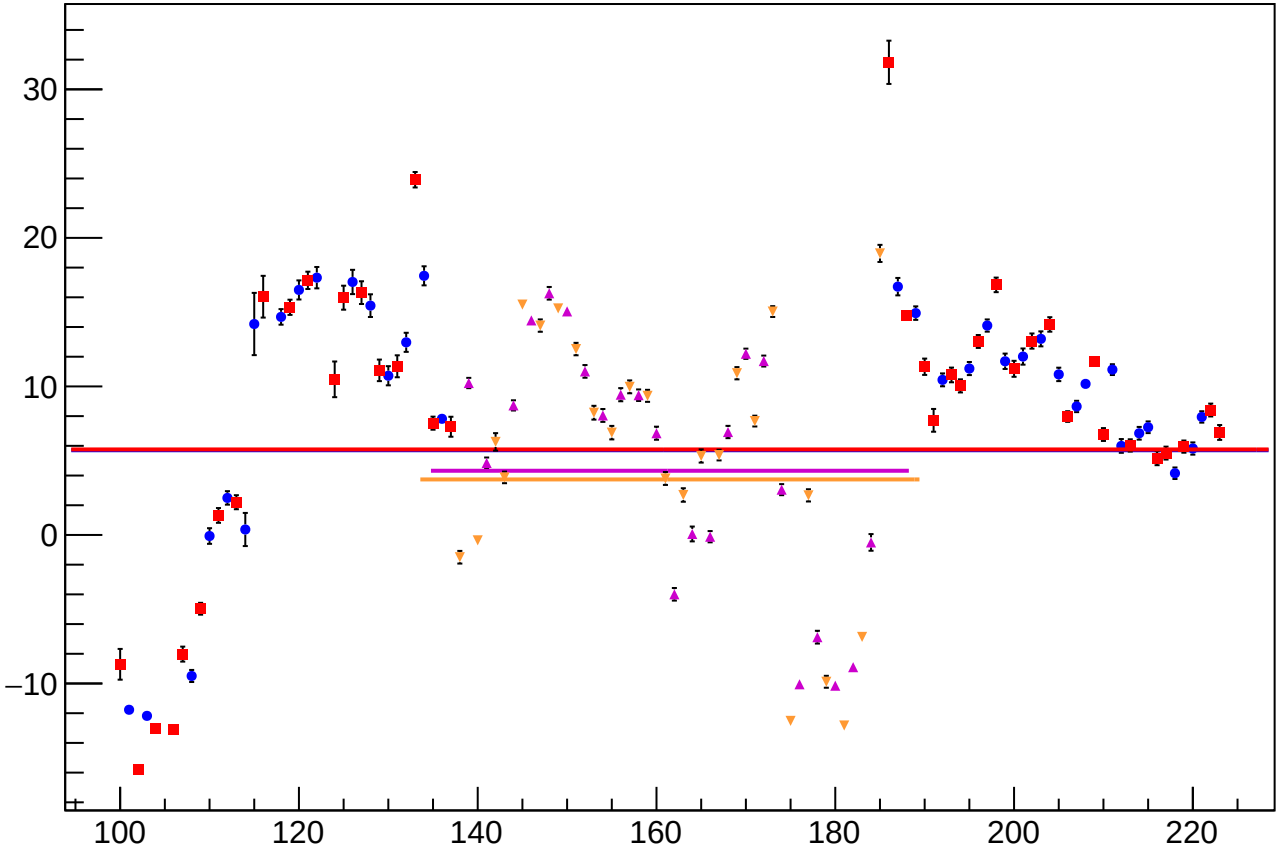
Right: -7.158+/-0.063 χ^2/NDF: 55168.2/72

In: -0.018+/-0.051 χ^2/NDF:43116.0/56

Out: 0.318+/-0.049 χ^2/NDF:46191.2/63

All: 0.158+/-0.035 χ^2/NDF: 89330.1/120

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

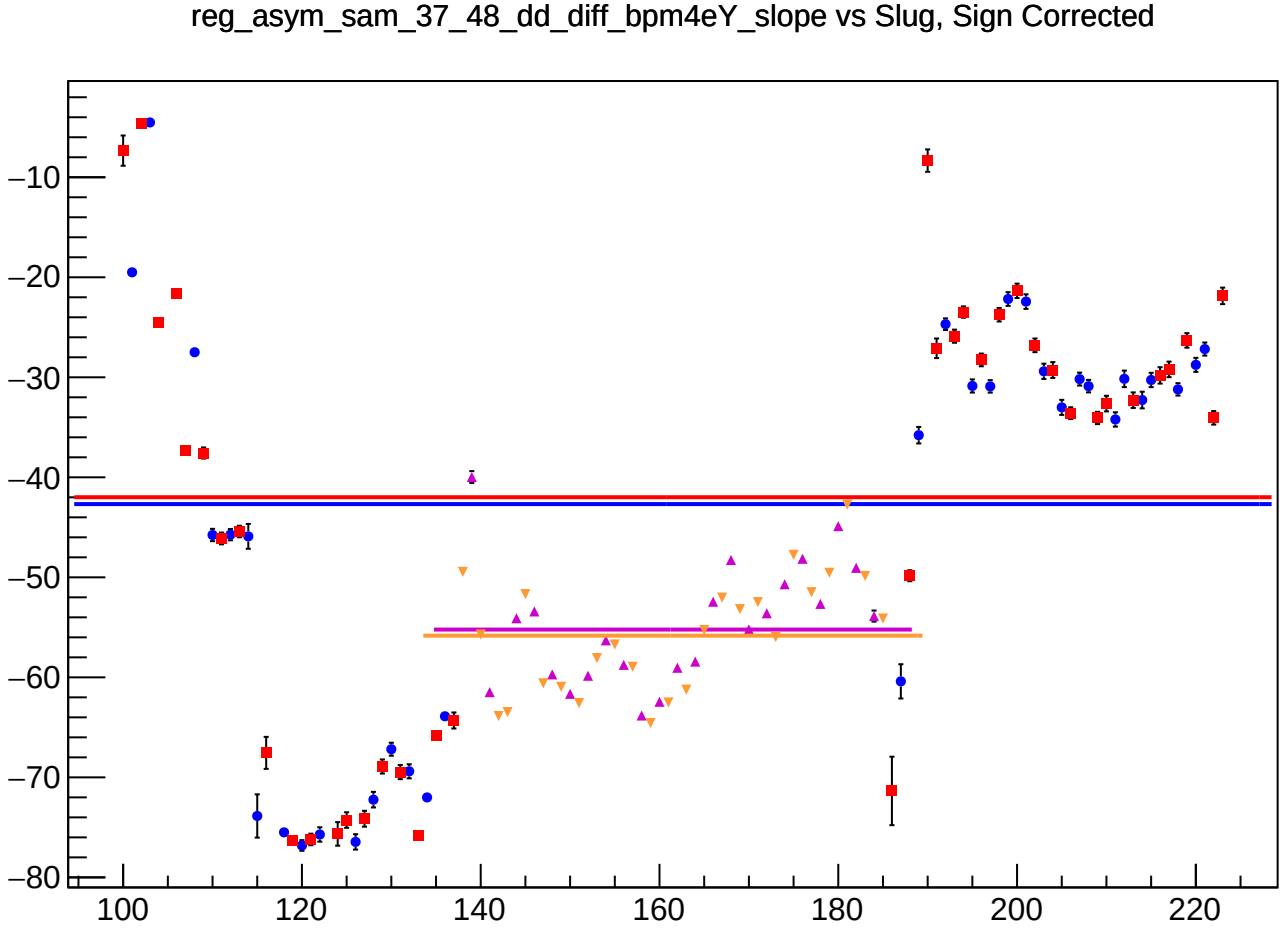
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.732+/-0.053 χ^2/NDF: 34640.5/72

In: 5.029+/-0.055 χ^2/NDF:26838.8/56

Out: 4.795+/-0.053 χ^2/NDF:36395.3/63

All: 4.908+/-0.038 χ^2/NDF: 63243.5/120



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

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

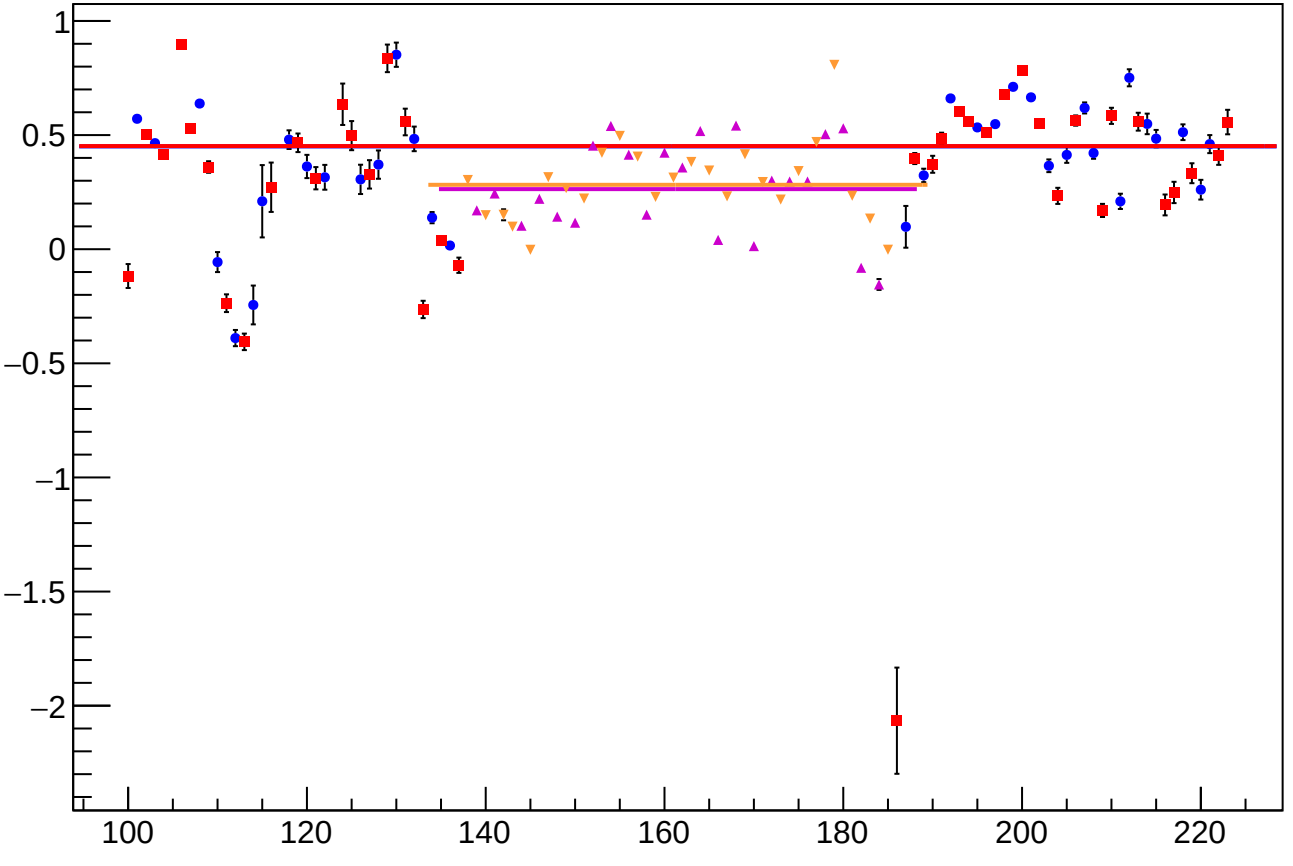
Right: -42.321+/-0.073 χ^2/NDF: 90416.1/72

In: -51.478+/-0.058 χ^2/NDF:60842.1/56

Out: -51.687+/-0.056 χ^2/NDF:66471.8/63

All: -51.586+/-0.040 χ^2/NDF: 127320.8/120

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

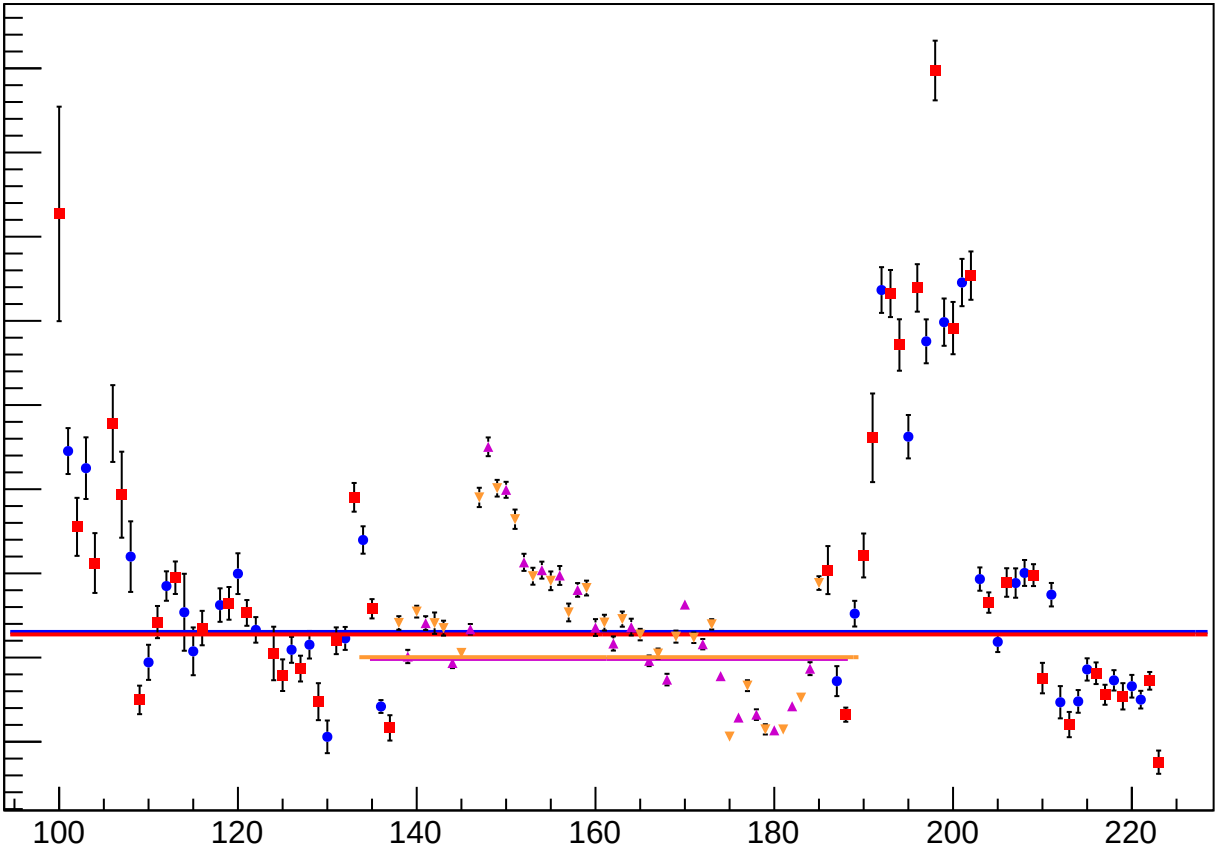
Right: 0.451+/-0.003 χ^2/NDF: 6586.7/72

In: 0.322+/-0.003 χ^2/NDF:7774.0/56

Out: 0.337+/-0.002 χ^2/NDF:7604.6/63

All: 0.330+/-0.002 χ^2/NDF: 15399.2/120

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

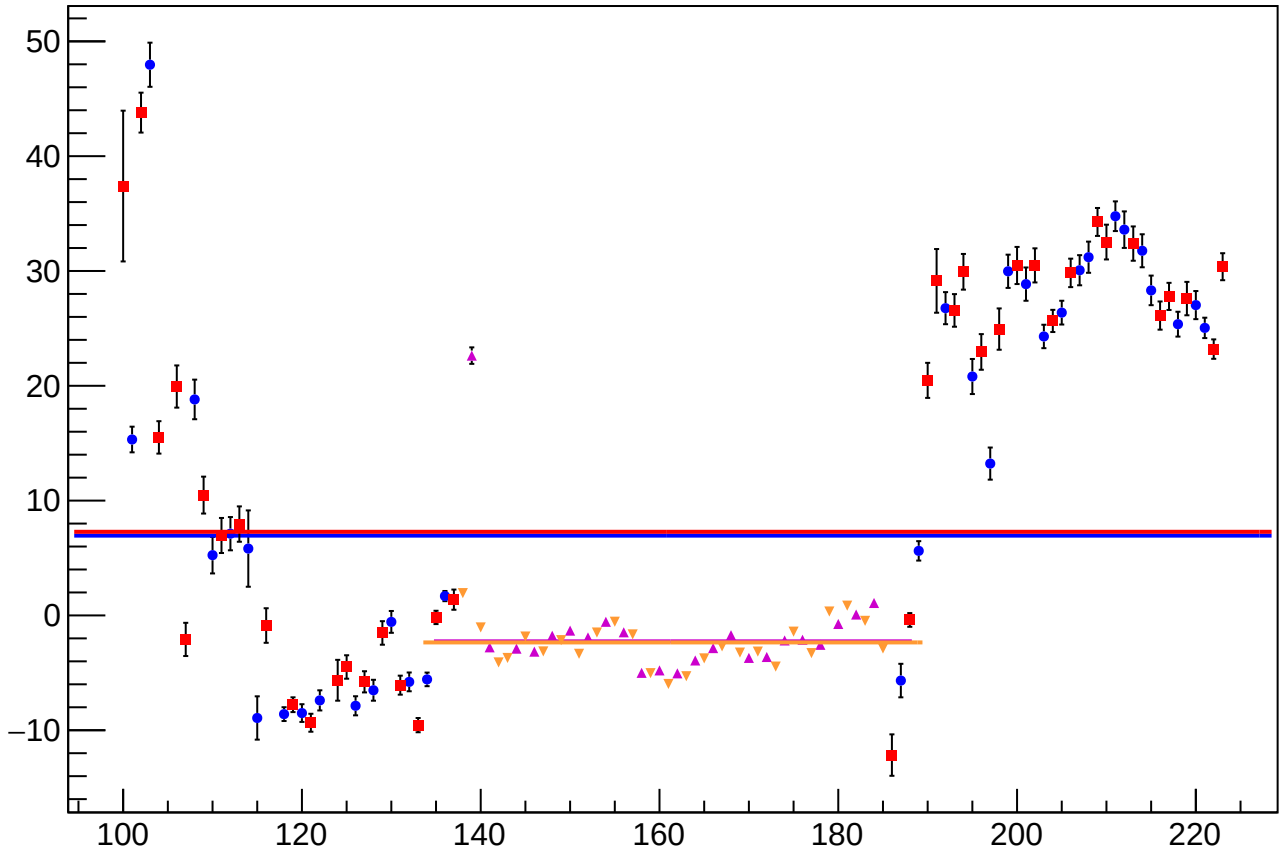
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 1.448+/-0.098 χ^2/NDF: 3521.6/72

In: 0.250+/-0.063 χ^2/NDF:4031.2/56

Out: 0.287+/-0.061 χ^2/NDF:4895.7/63

All: 0.269+/-0.044 χ^2/NDF: 8927.0/120



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

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

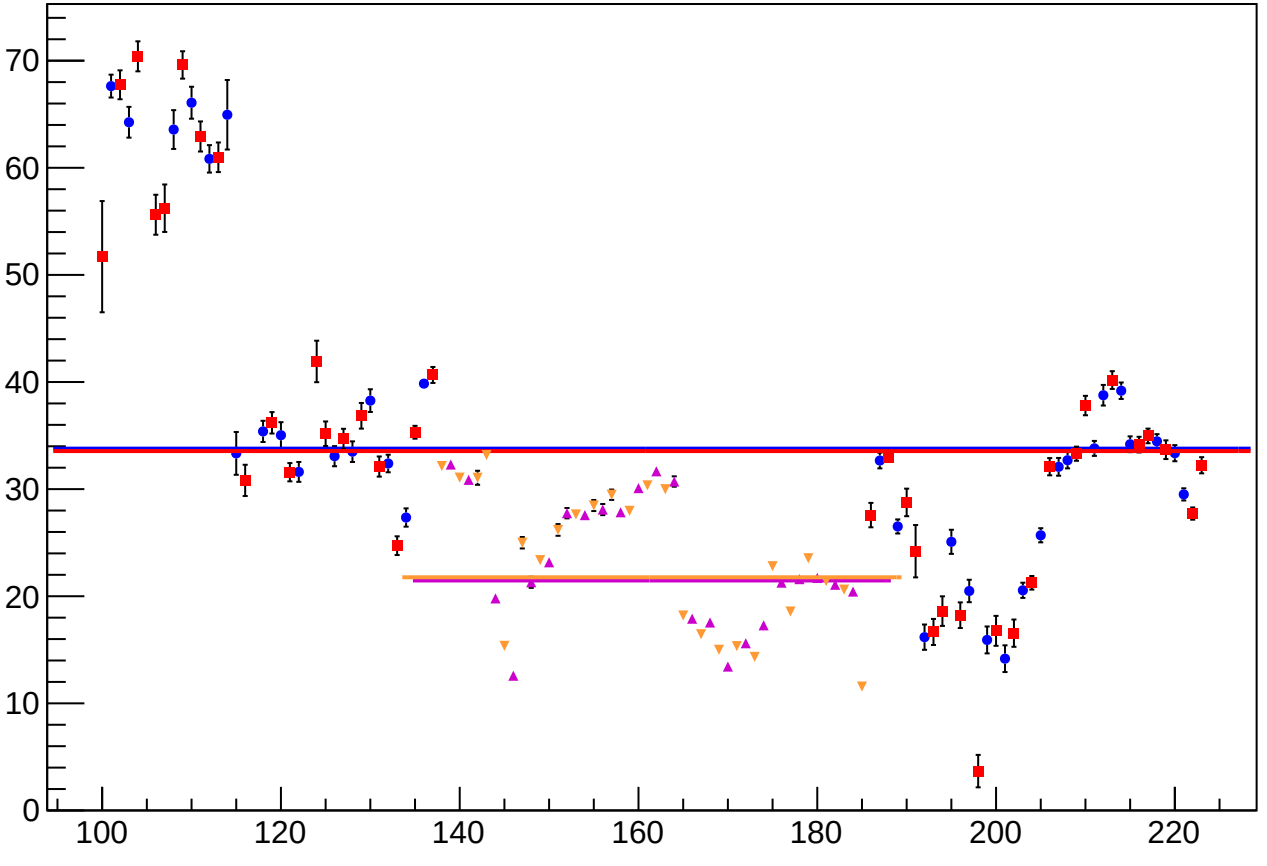
Right: 7.114+/-0.123 χ^2/NDF: 15785.7/72

In: -1.365+/-0.054 χ^2/NDF:12279.1/56

Out: -1.487+/-0.053 χ^2/NDF:11836.2/63

All: -1.427+/-0.038 χ^2/NDF: 24117.9/120

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

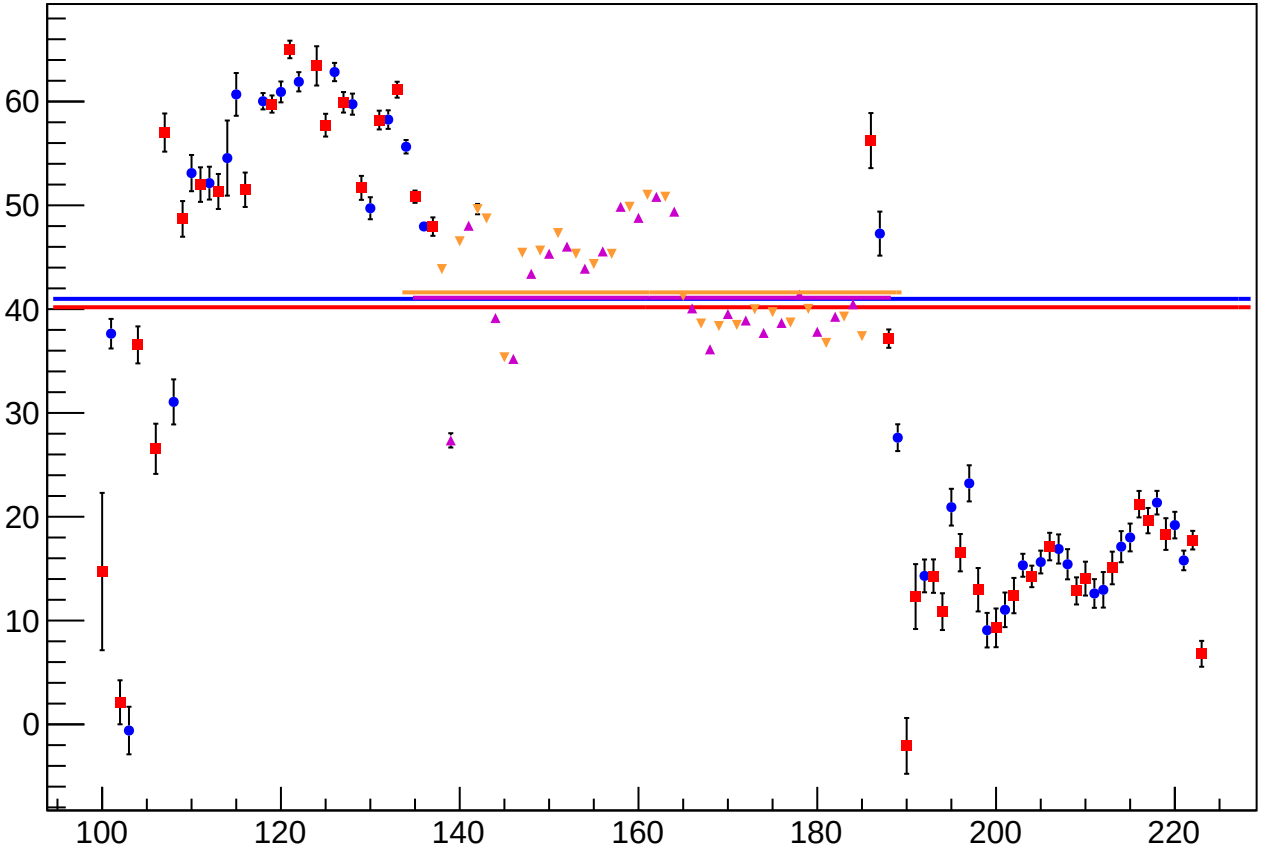
Right: 33.665+/-0.102 χ^2/NDF: 10009.6/72

In: 23.837+/-0.063 χ^2/NDF:16347.3/56

Out: 23.984+/-0.062 χ^2/NDF:17607.8/63

All: 23.912+/-0.044 χ^2/NDF: 33957.8/120

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

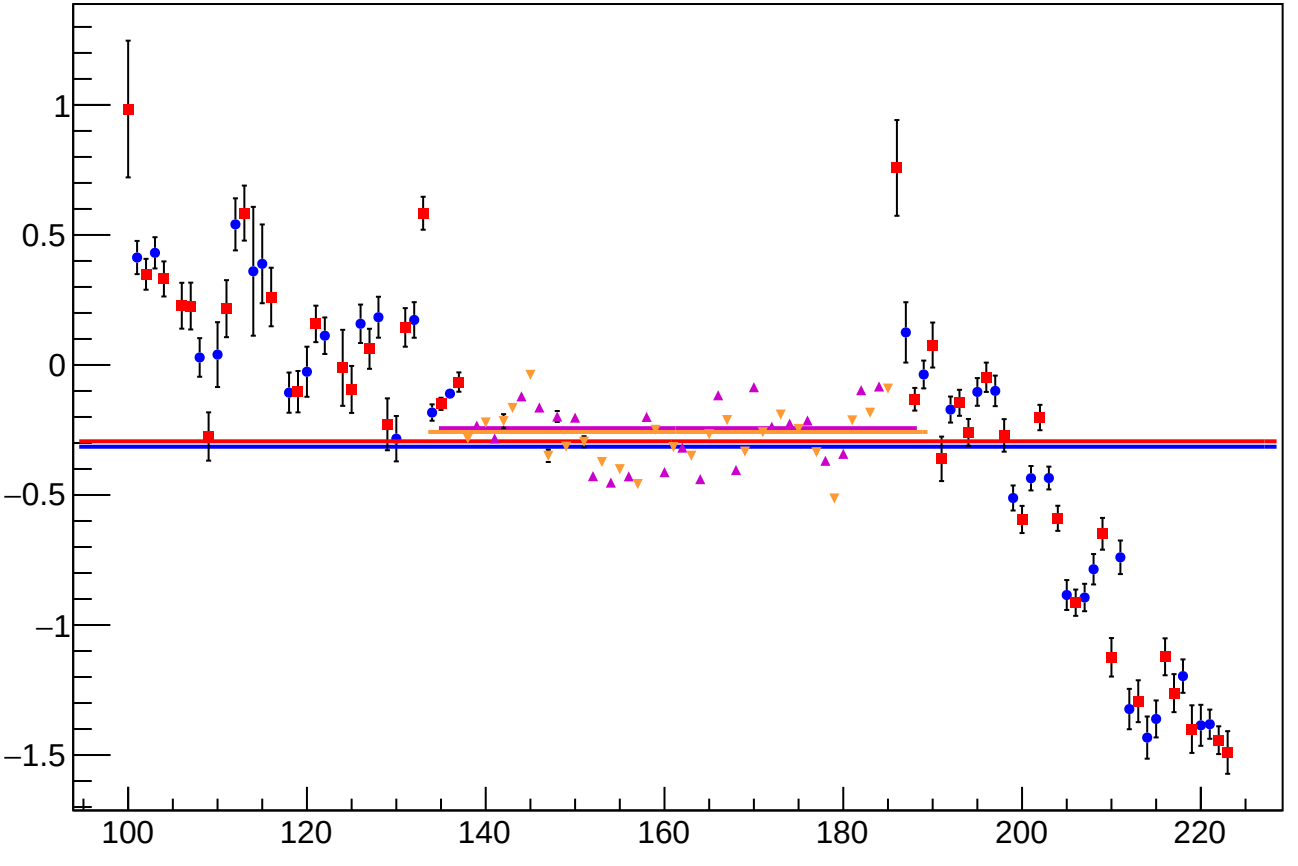
Right: 40.601+/-0.138 χ^2/NDF: 19963.0/72

In: 41.087+/-0.060 χ^2/NDF:15211.6/56

Out: 41.490+/-0.059 χ^2/NDF:16044.3/63

All: 41.292+/-0.042 χ^2/NDF: 31279.1/120

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

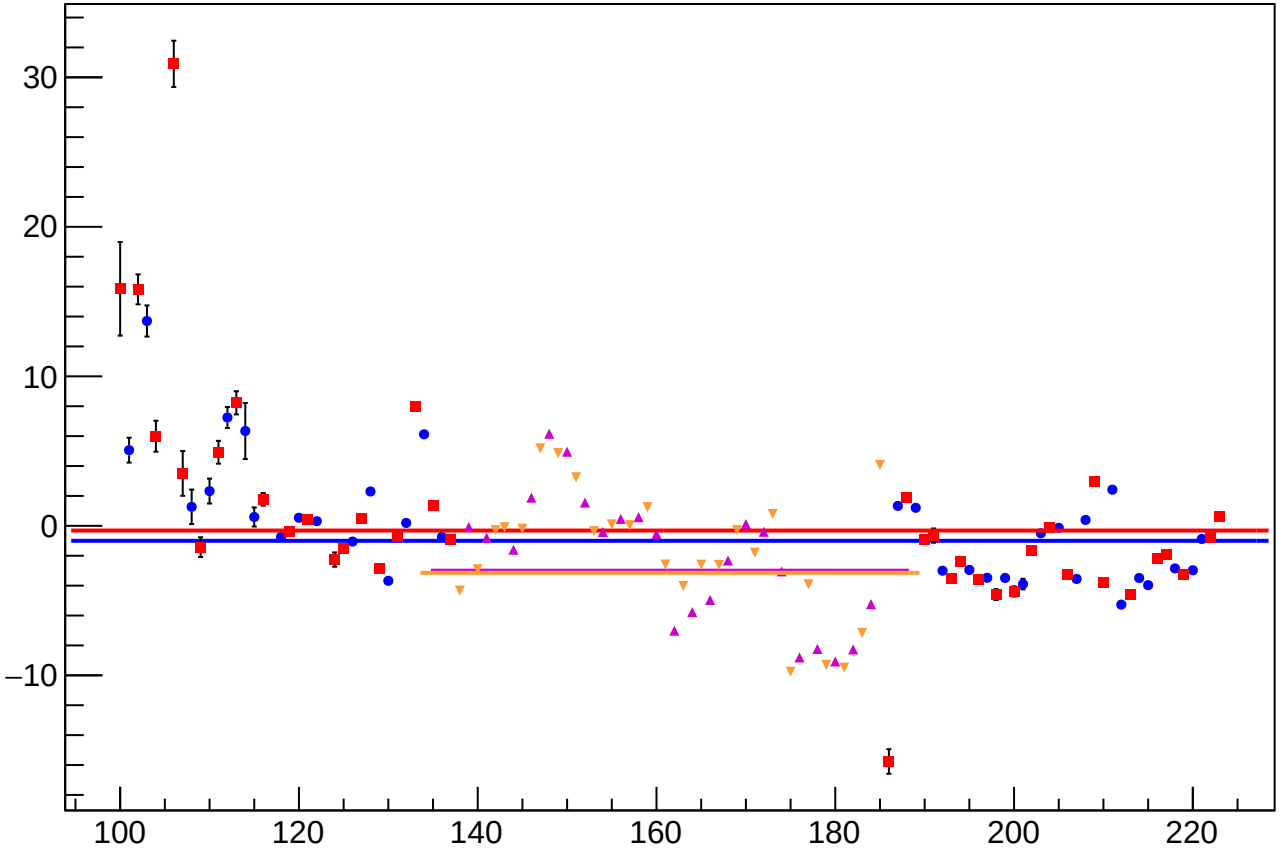
Right: -0.305+/-0.007 χ^2/NDF: 5048.2/72

In: -0.249+/-0.003 χ^2/NDF:4355.4/56

Out: -0.260+/-0.003 χ^2/NDF:4083.1/63

All: -0.255+/-0.002 χ^2/NDF: 8447.7/120

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

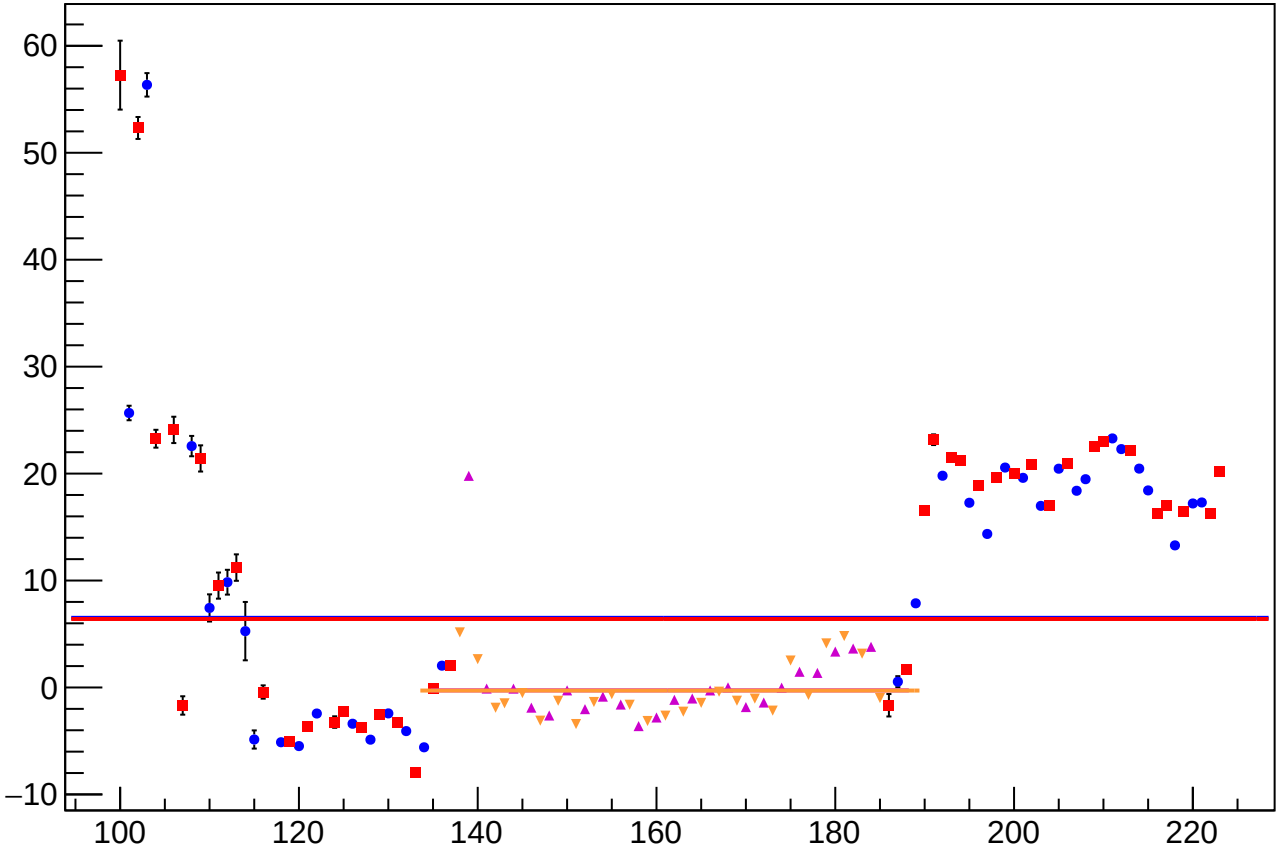
Right: -0.652+/-0.030 χ^2/NDF: 9493.4/72

In: -2.376+/-0.024 χ^2/NDF:27361.5/56

Out: -2.270+/-0.023 χ^2/NDF:34535.1/63

All: -2.322+/-0.016 χ^2/NDF: 61906.9/120

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

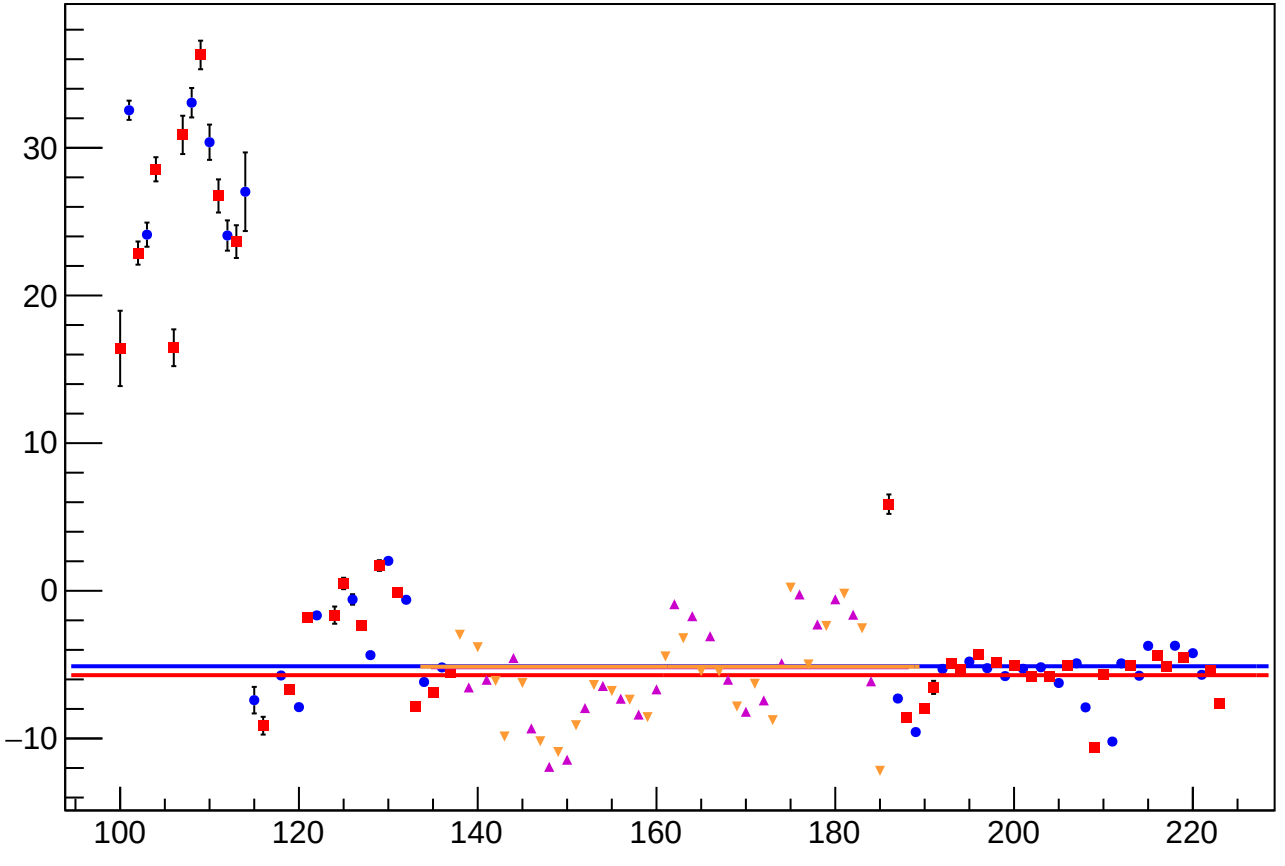
Right: 6.457+/-0.036 χ^2/NDF: 103819.3/72

In: 0.786+/-0.020 χ^2/NDF:74964.2/56

Out: 0.770+/-0.020 χ^2/NDF:83578.9/63

All: 0.778+/-0.014 χ^2/NDF: 158543.5/120

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

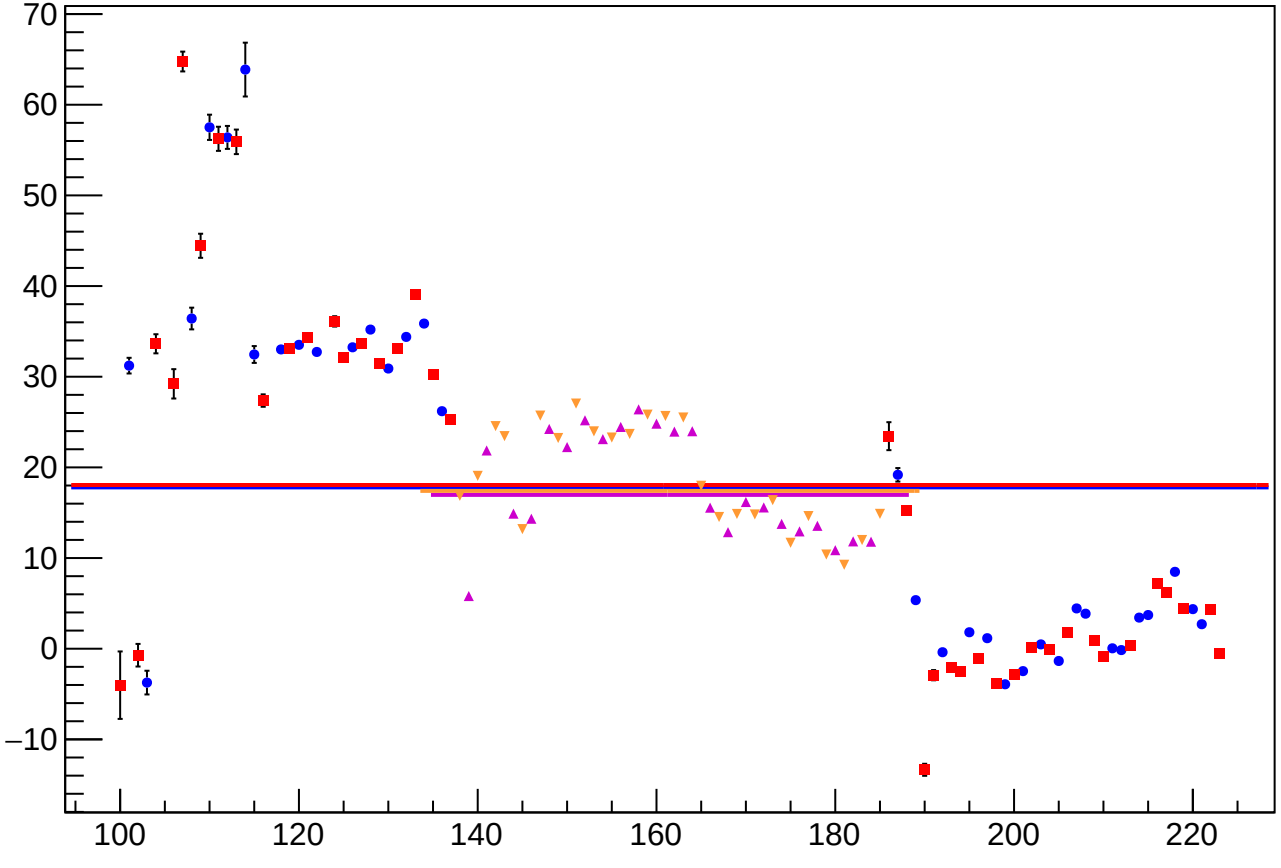
Right: -5.424+/-0.030 χ^2/NDF: 22574.1/72

In: -5.157+/-0.024 χ^2/NDF:24795.1/56

Out: -5.317+/-0.023 χ^2/NDF:26401.7/63

All: -5.239+/-0.017 χ^2/NDF: 51220.3/120

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

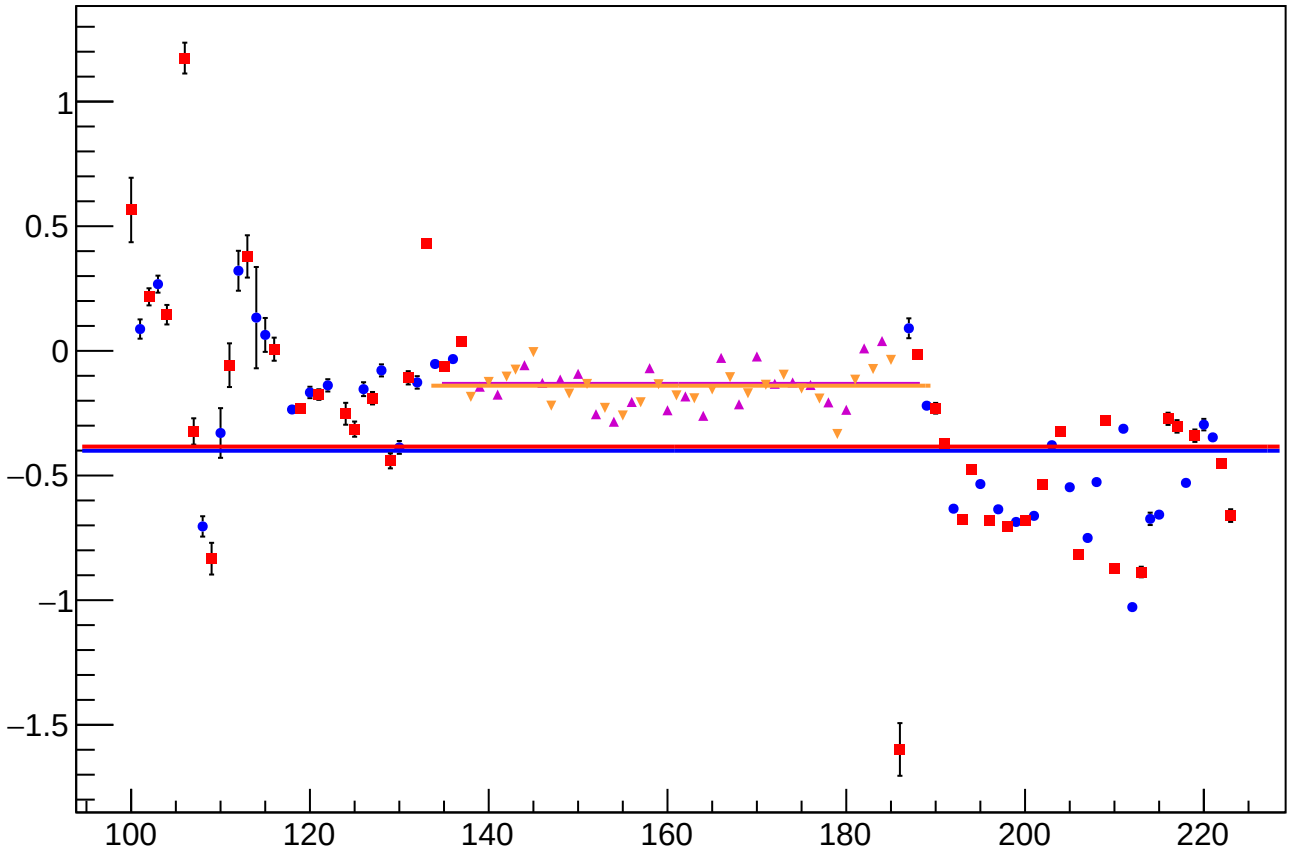
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 17.927+/-0.041 χ^2/NDF: 154134.0/72

In: 17.093+/-0.023 χ^2/NDF:109696.0/56

Out: 17.506+/-0.023 χ^2/NDF:135270.6/63

All: 17.304+/-0.016 χ^2/NDF: 245131.0/120



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

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

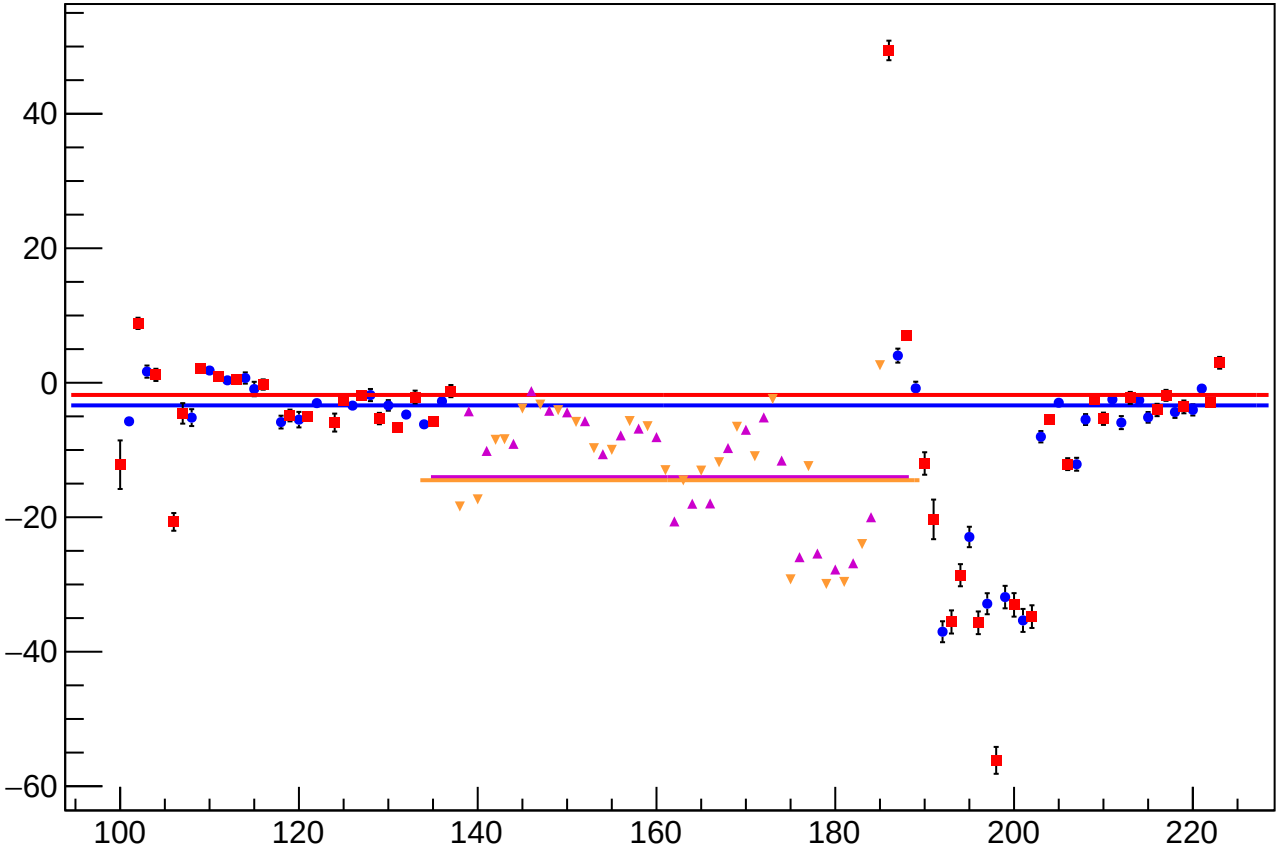
Right: -0.392+/-0.002 χ^2/NDF: 24292.0/72

In: -0.170+/-0.001 χ^2/NDF:23564.0/56

Out: -0.174+/-0.001 χ^2/NDF:25429.9/63

All: -0.172+/-0.001 χ^2/NDF: 49001.4/120

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

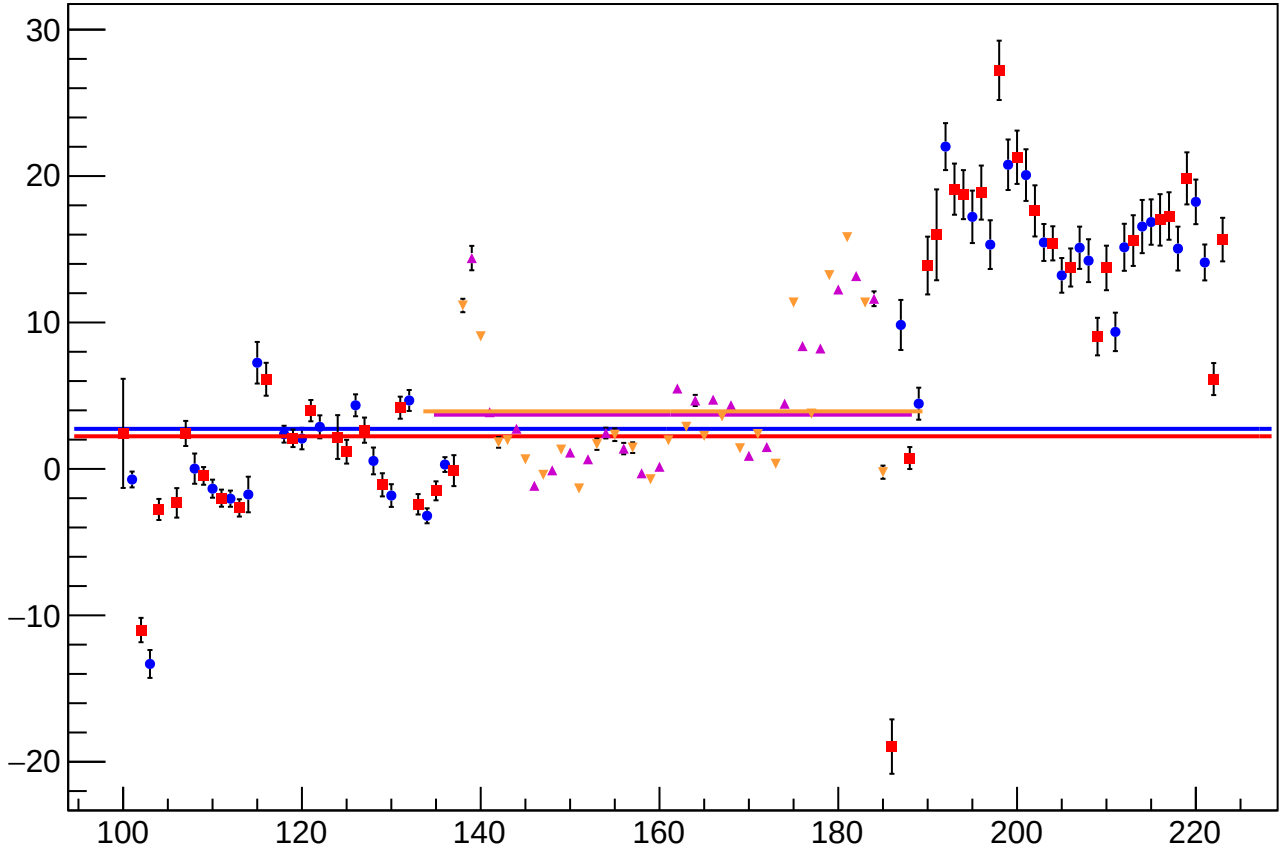
Right: -2.556+/-0.088 χ^2/NDF: 7404.5/72

In: -11.205+/-0.066 χ^2/NDF:20841.1/56

Out: -11.041+/-0.064 χ^2/NDF:30158.4/63

All: -11.120+/-0.046 χ^2/NDF: 51002.7/120

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

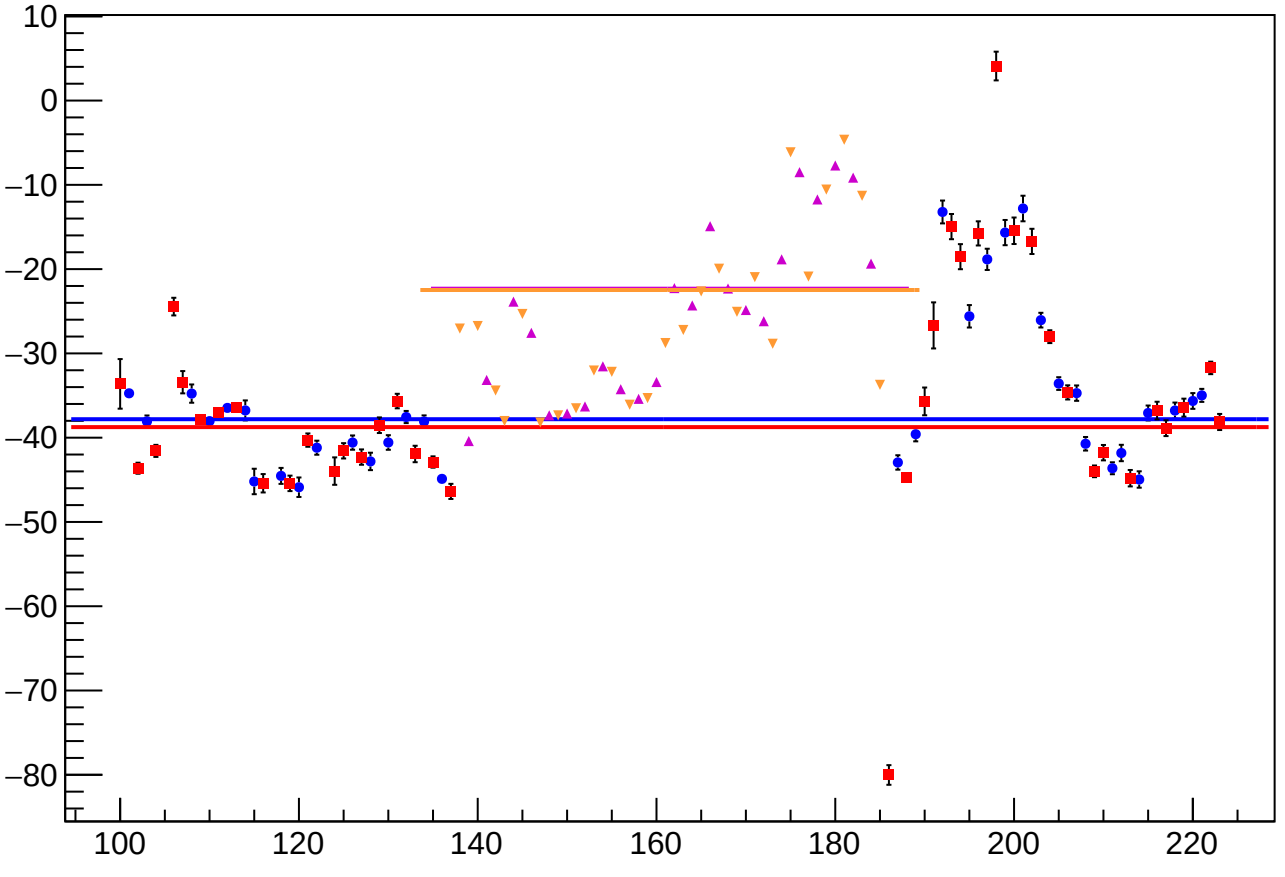
Right: 2.484+/-0.110 χ^2/NDF: 4072.1/72

In: 3.579+/-0.055 χ^2/NDF:6799.2/56

Out: 3.725+/-0.054 χ^2/NDF:9174.4/63

All: 3.654+/-0.039 χ^2/NDF: 15977.1/120

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

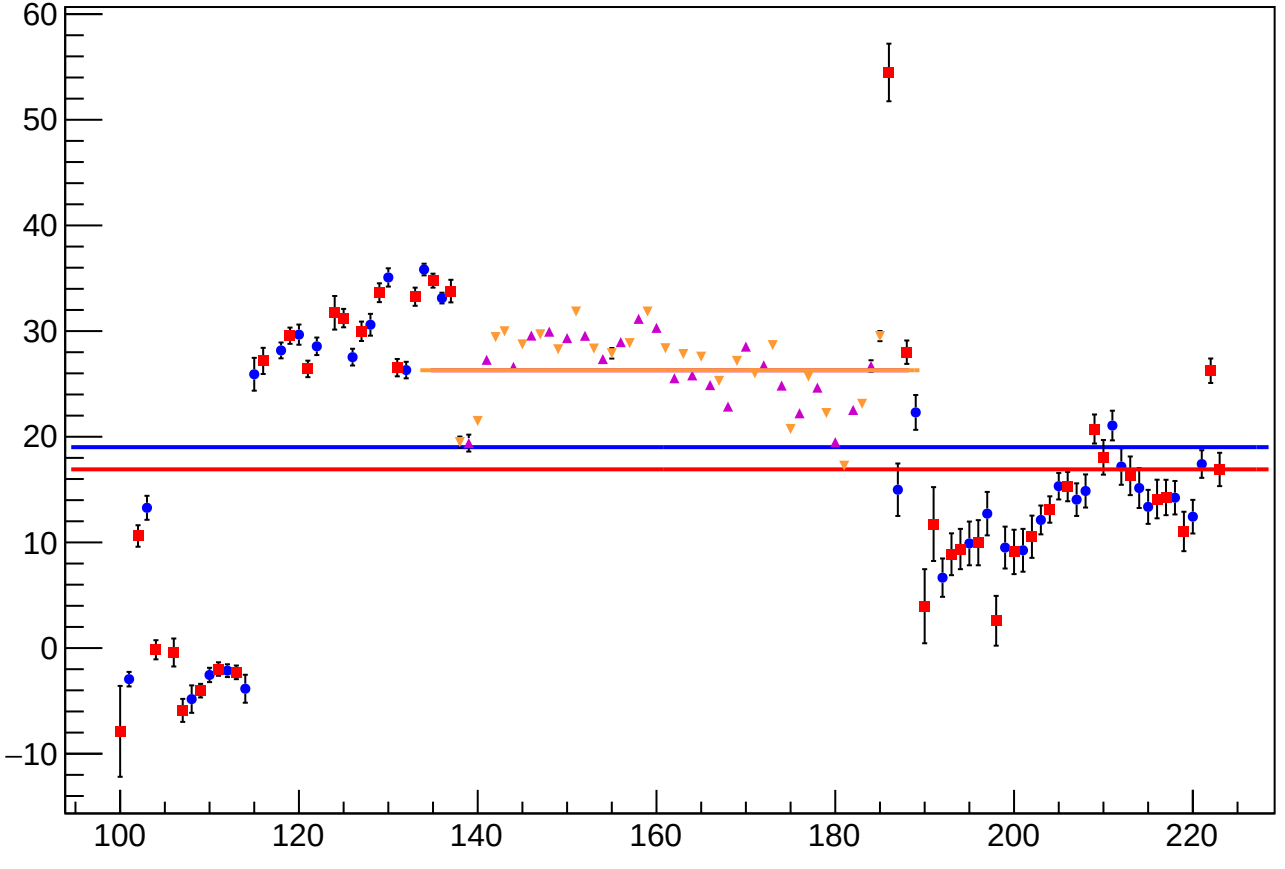
Right: -38.286+/-0.098 χ^2/NDF: 6325.9/72

In: -25.902+/-0.067 χ^2/NDF:28651.9/56

Out: -26.203+/-0.066 χ^2/NDF:35494.4/63

All: -26.056+/-0.047 χ^2/NDF: 64156.6/120

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

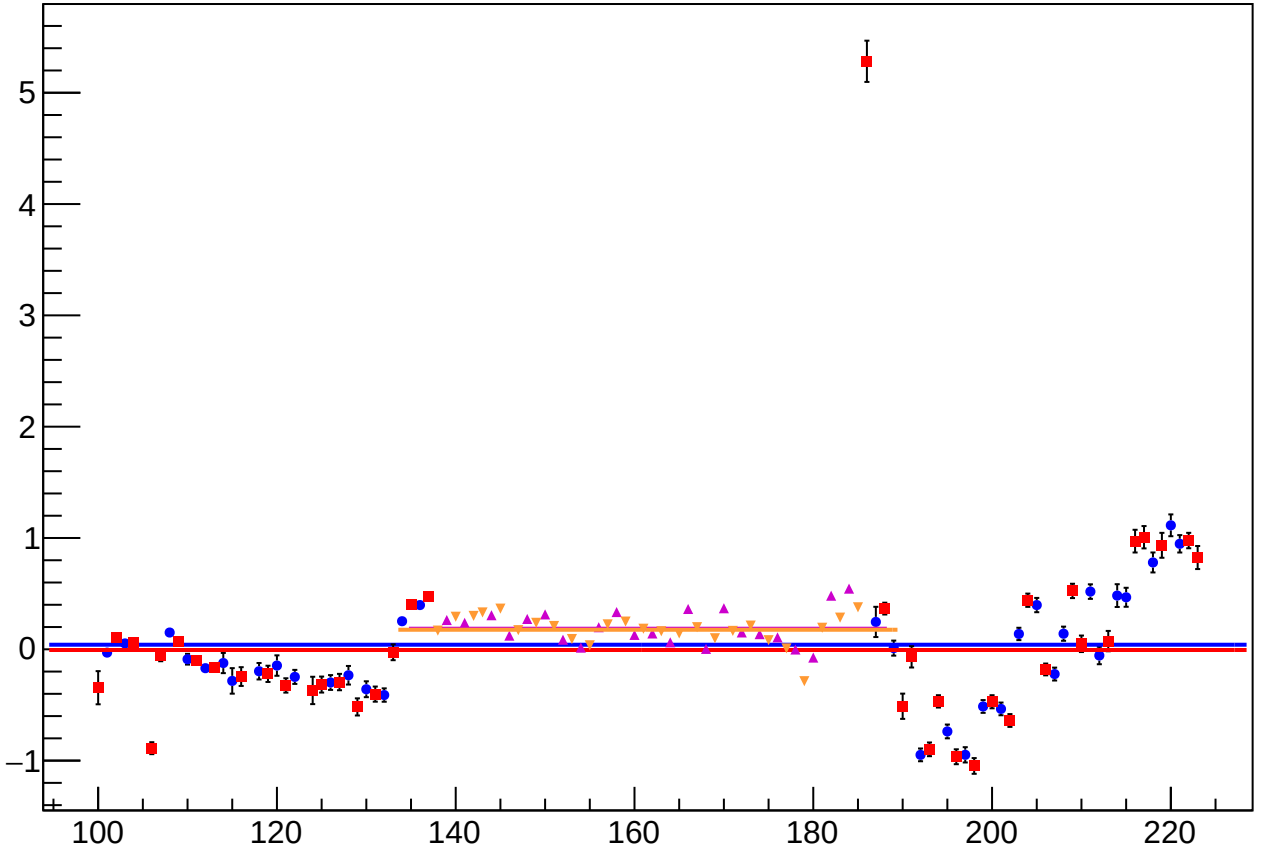
Right: 17.981+/-0.124 χ^2/NDF: 14264.8/72

In: 25.361+/-0.062 χ^2/NDF:10657.5/56

Out: 25.175+/-0.061 χ^2/NDF:13039.4/63

All: 25.266+/-0.044 χ^2/NDF: 23701.5/120

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

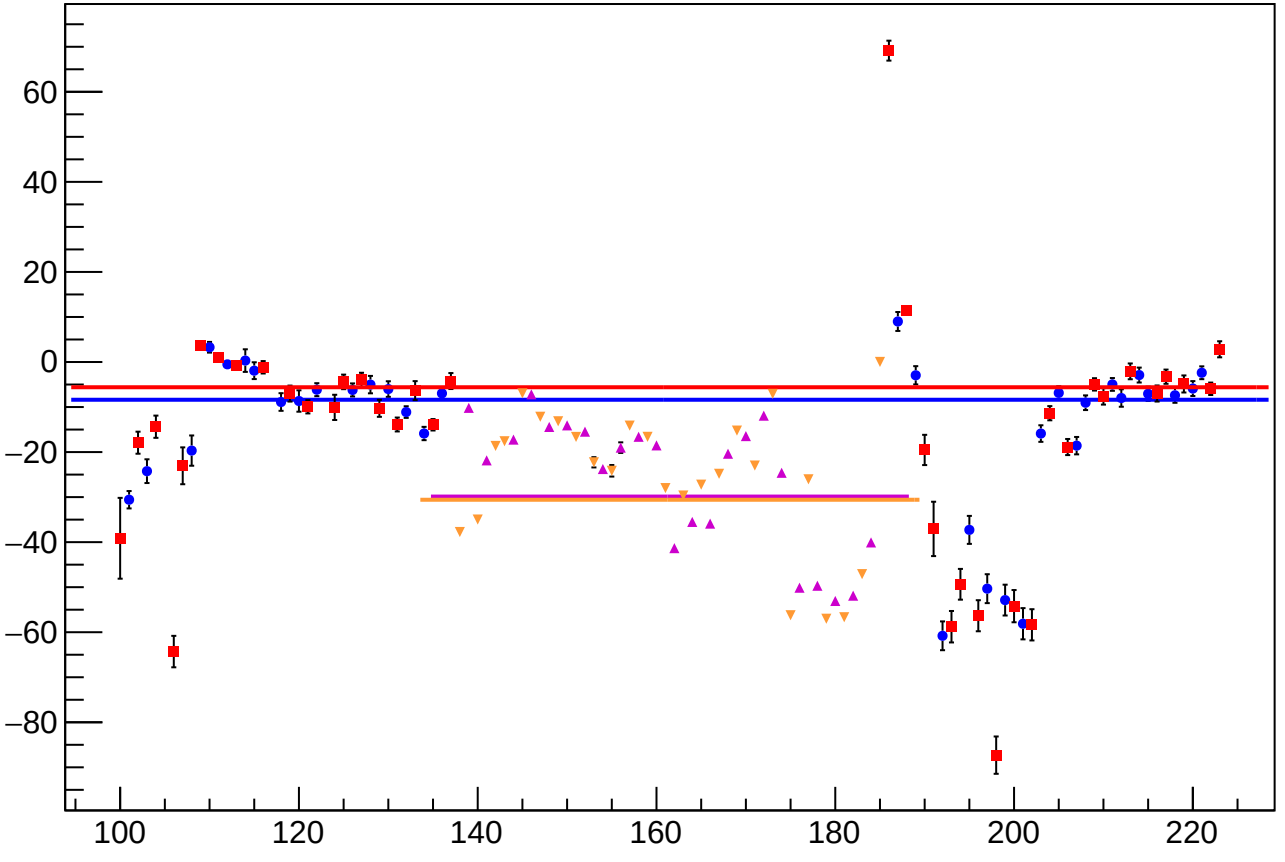
Right: 0.018+/-0.006 χ^2/NDF: 5210.2/72

In: 0.170+/-0.003 χ^2/NDF:4703.3/56

Out: 0.159+/-0.003 χ^2/NDF:5573.5/63

All: 0.164+/-0.002 χ^2/NDF: 10285.4/120

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

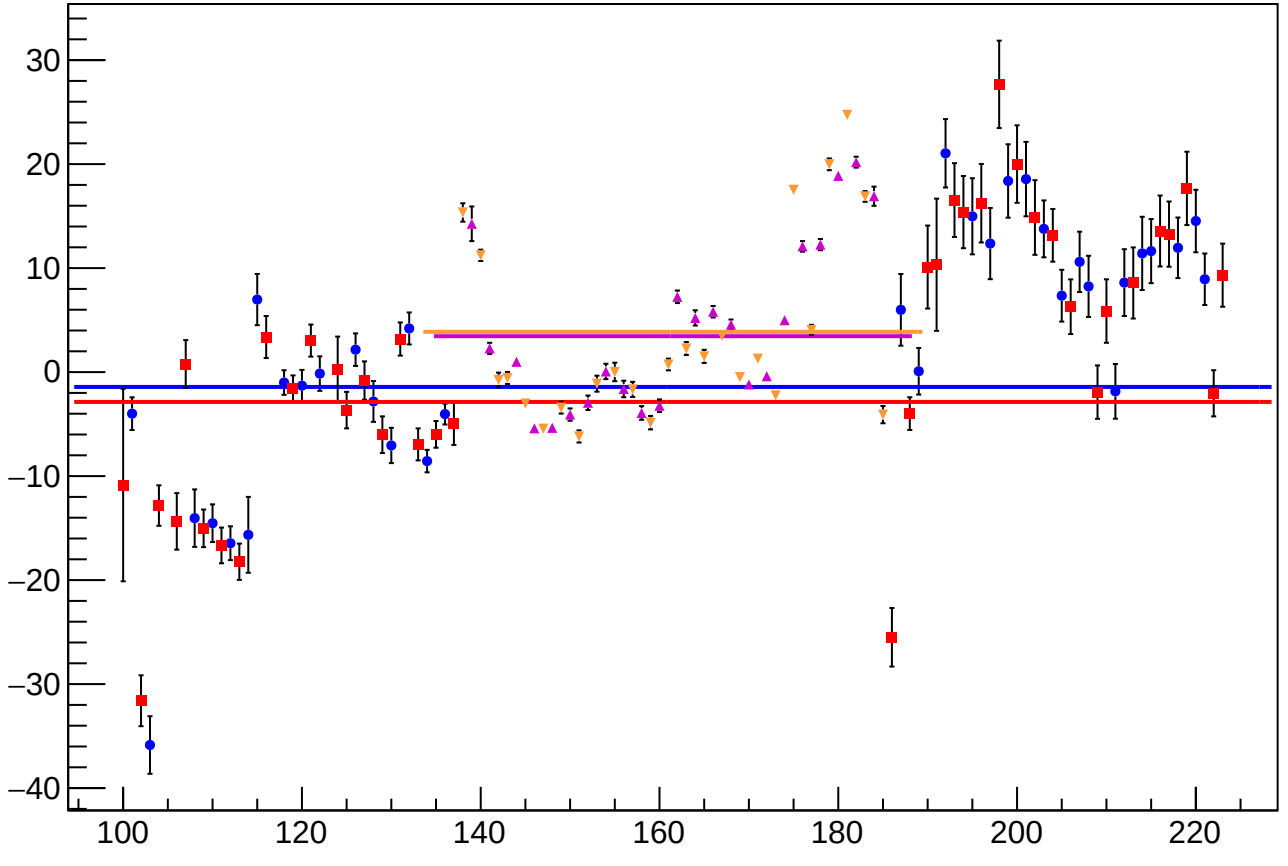
Right: -6.966+/-0.201 χ^2/NDF: 5052.3/72

In: -25.439+/-0.130 χ^2/NDF:17964.3/56

Out: -25.503+/-0.127 χ^2/NDF:25872.1/63

All: -25.472+/-0.091 χ^2/NDF: 43836.6/120

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

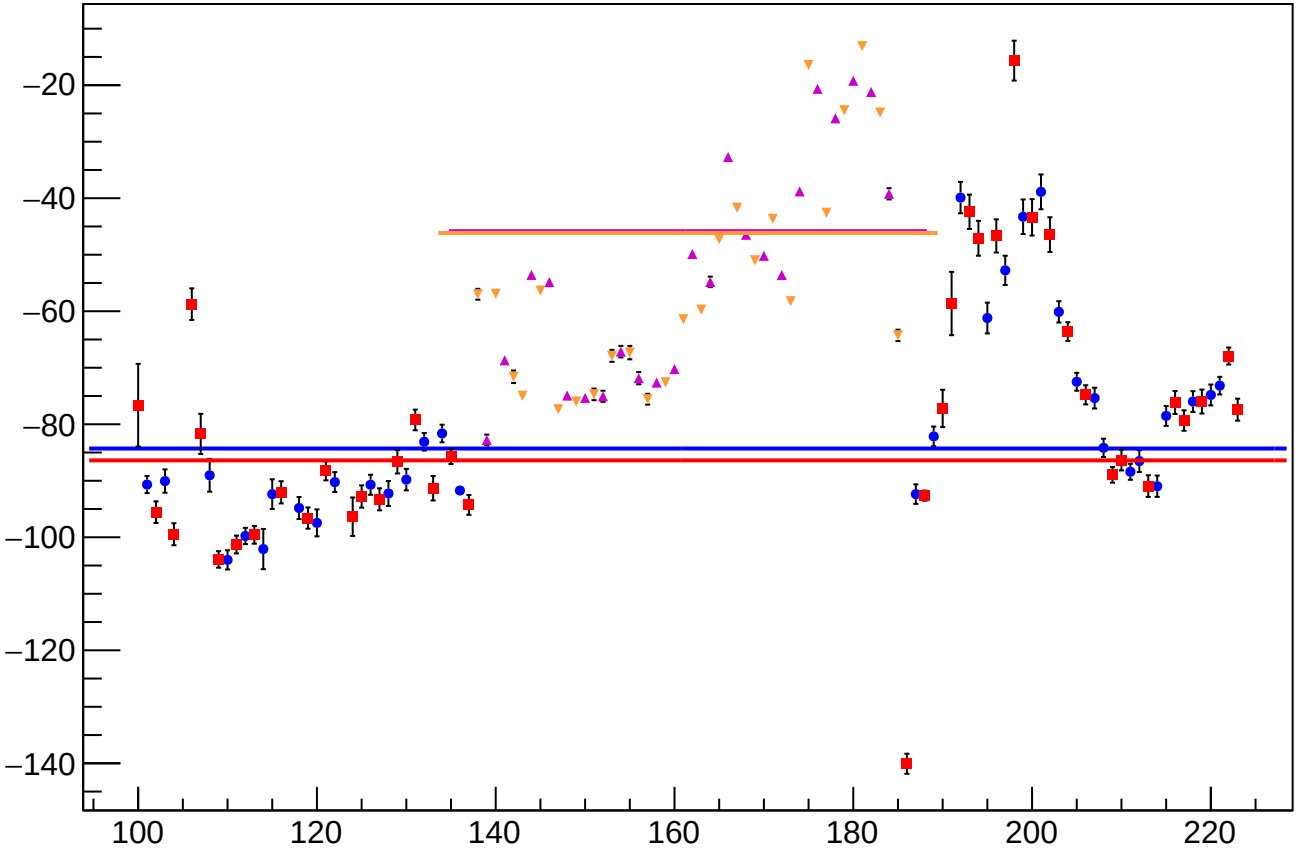
Right: -2.128+/-0.246 χ^2/NDF: 1643.8/72

In: 2.973+/-0.108 χ^2/NDF:5628.5/56

Out: 3.263+/-0.106 χ^2/NDF:7756.0/63

All: 3.121+/-0.076 χ^2/NDF: 13388.1/120

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

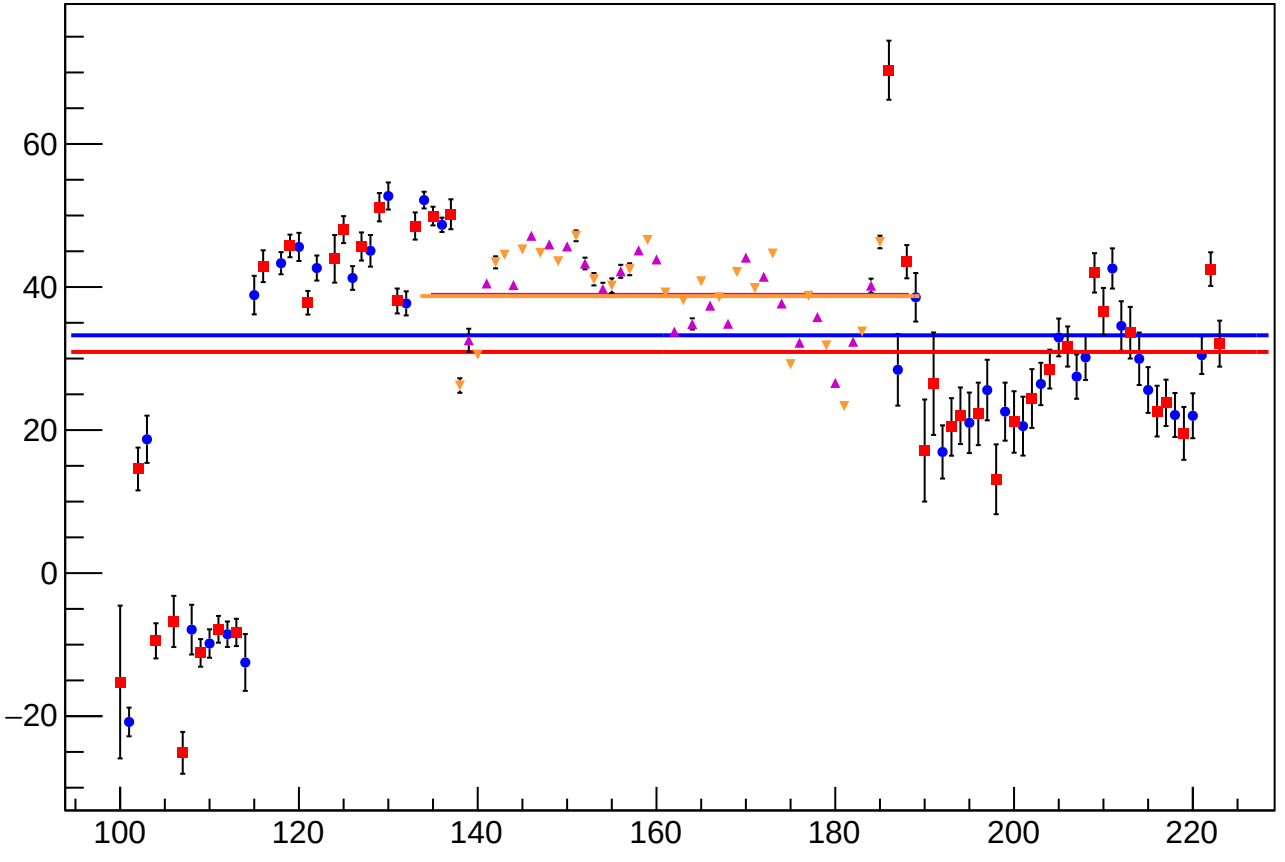
Right: -85.354+/-0.217 χ^2/NDF: 5150.4/72

In: -52.906+/-0.132 χ^2/NDF:32448.2/56

Out: -53.356+/-0.129 χ^2/NDF:39112.0/63

All: -53.136+/-0.092 χ^2/NDF: 71566.1/120

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

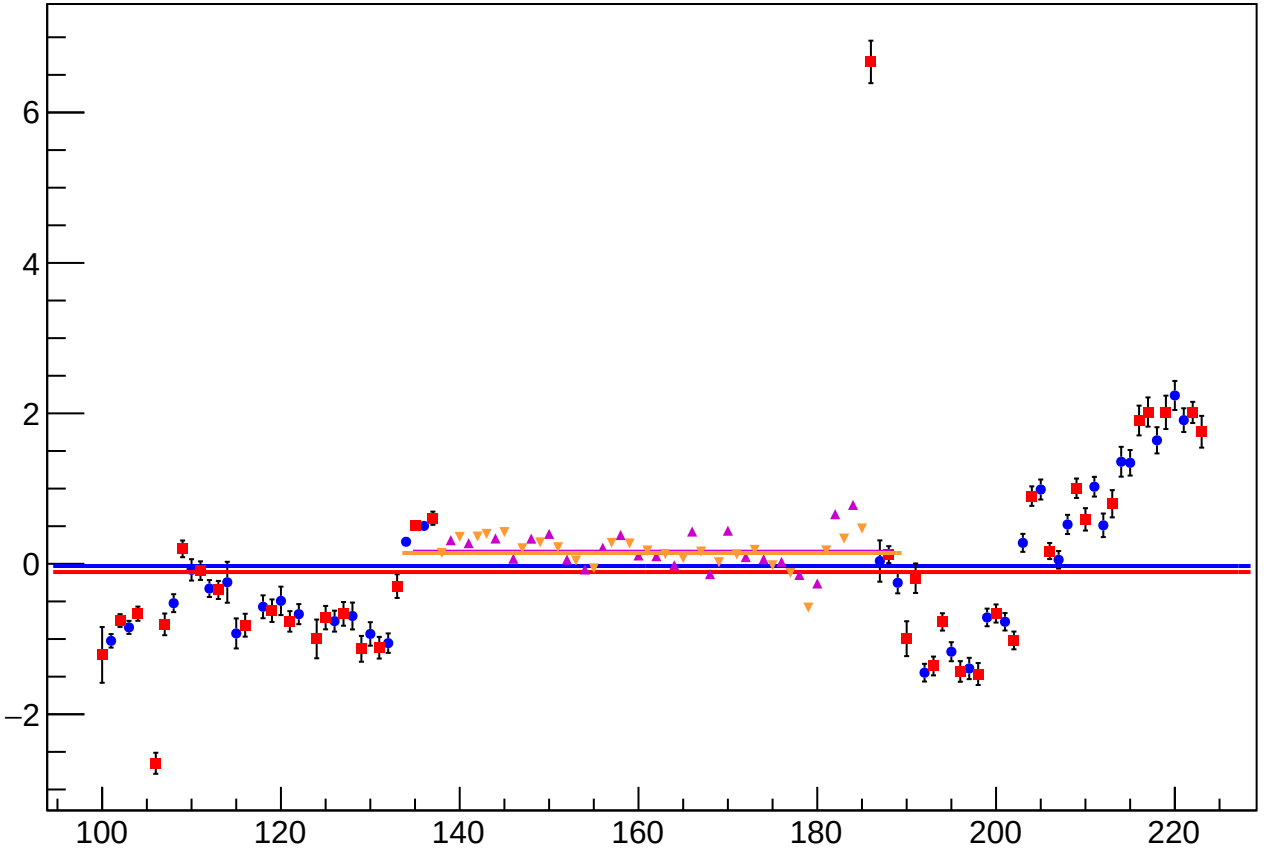
Right: 32.128+/-0.277 χ^2/NDF: 6082.3/72

In: 38.346+/-0.121 χ^2/NDF:5091.5/56

Out: 38.036+/-0.119 χ^2/NDF:6270.1/63

All: 38.189+/-0.085 χ^2/NDF: 11364.9/120

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

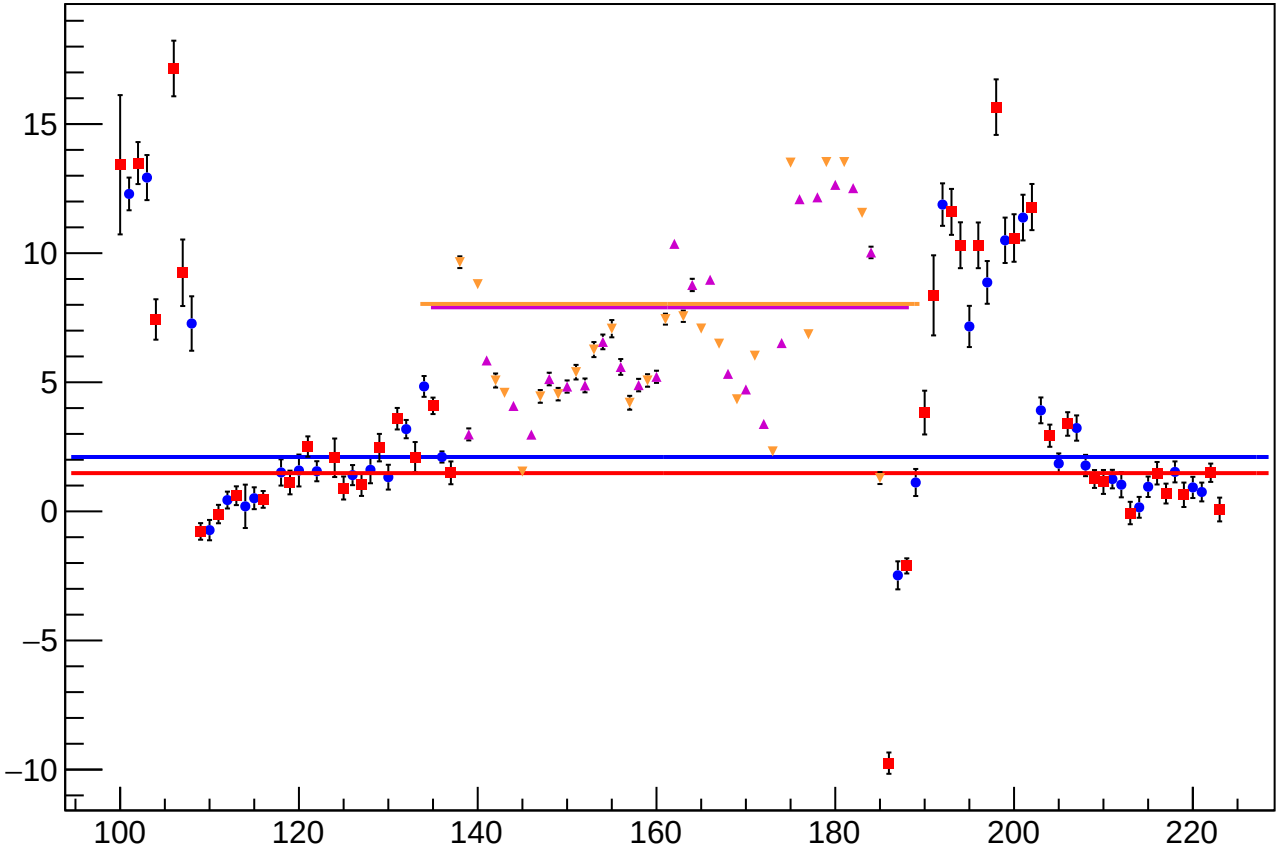
Right: -0.067+/-0.014 χ^2/NDF: 4356.8/72

In: 0.146+/-0.005 χ^2/NDF:3699.5/56

Out: 0.126+/-0.005 χ^2/NDF:4241.8/63

All: 0.136+/-0.004 χ^2/NDF: 7948.2/120

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

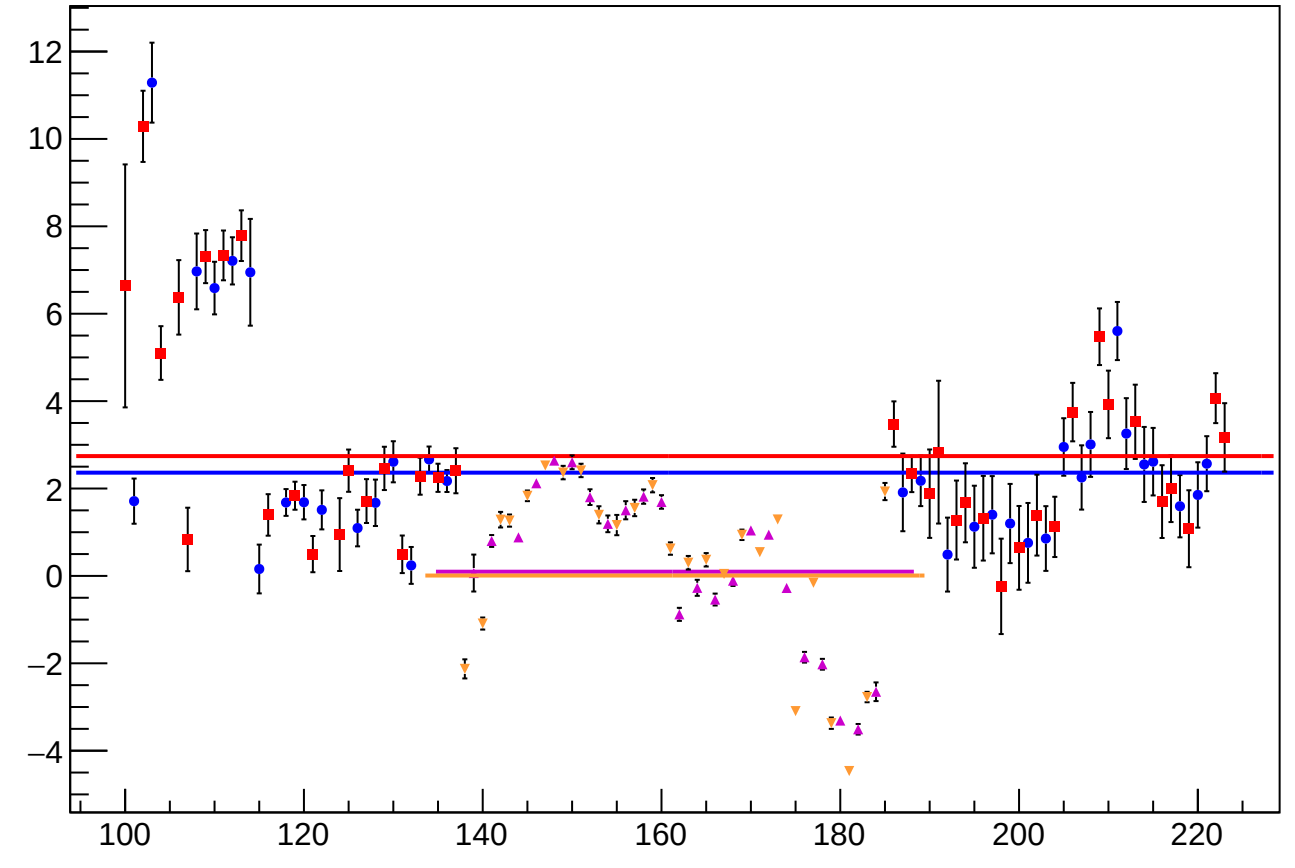
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.790+/-0.054 χ^2/NDF: 3688.2/72

In: 6.869+/-0.032 χ^2/NDF:15904.4/56

Out: 6.897+/-0.032 χ^2/NDF:22545.1/63

All: 6.883+/-0.023 χ^2/NDF: 38449.9/120



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

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

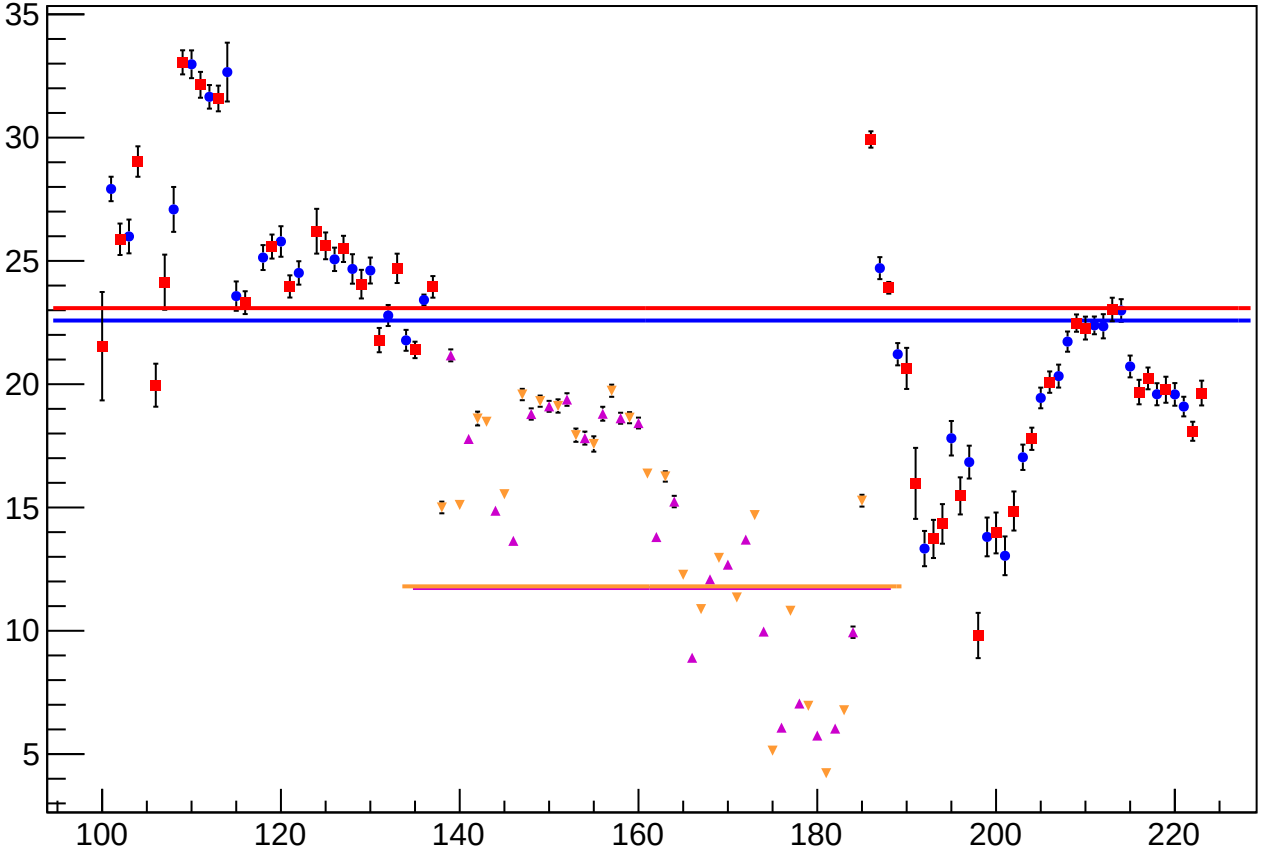
Right: 2.548+/-0.066 χ^2/NDF: 863.5/72

In: 0.288+/-0.027 χ^2/NDF:5361.0/56

Out: 0.220+/-0.026 χ^2/NDF:7001.2/63

All: 0.253+/-0.019 χ^2/NDF: 12365.4/120

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

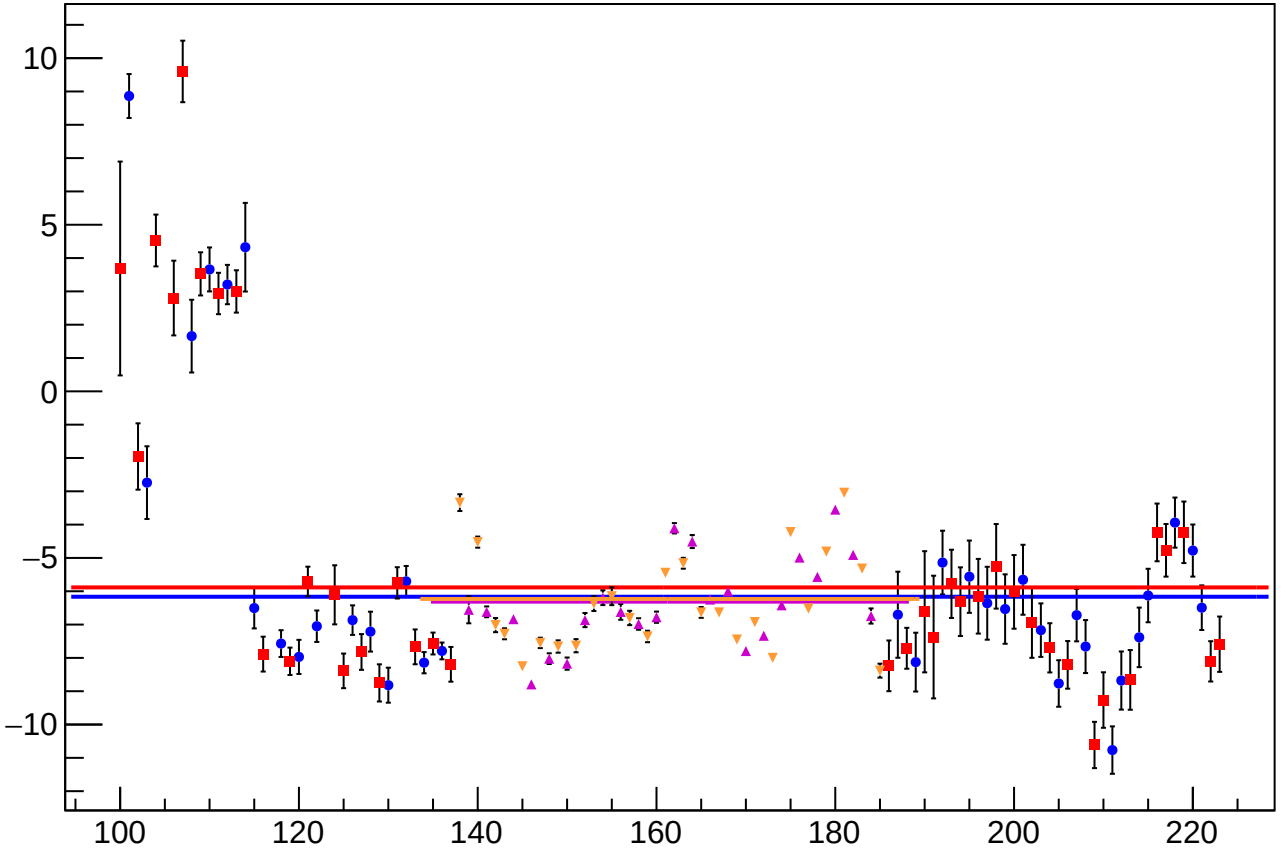
Right: 22.837+/-0.057 χ^2/NDF: 5124.0/72

In: 13.481+/-0.033 χ^2/NDF:34826.0/56

Out: 13.579+/-0.032 χ^2/NDF:41045.3/63

All: 13.531+/-0.023 χ^2/NDF: 75875.9/120

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

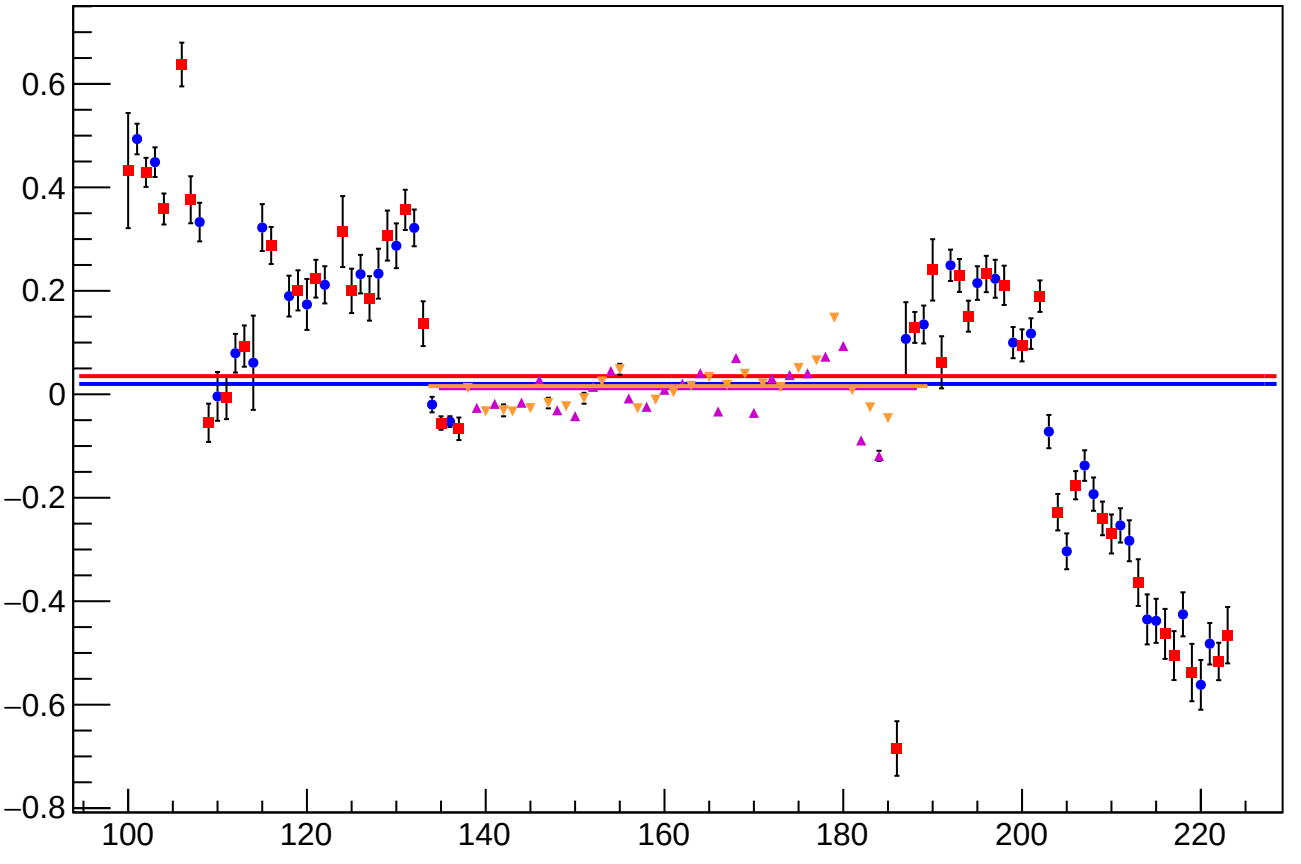
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -6.030+/-0.074 χ^2/NDF: 2805.5/72

In: -6.299+/-0.030 χ^2/NDF:3379.7/56

Out: -6.204+/-0.030 χ^2/NDF:3913.9/63

All: -6.251+/-0.021 χ^2/NDF: 7298.6/120



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

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

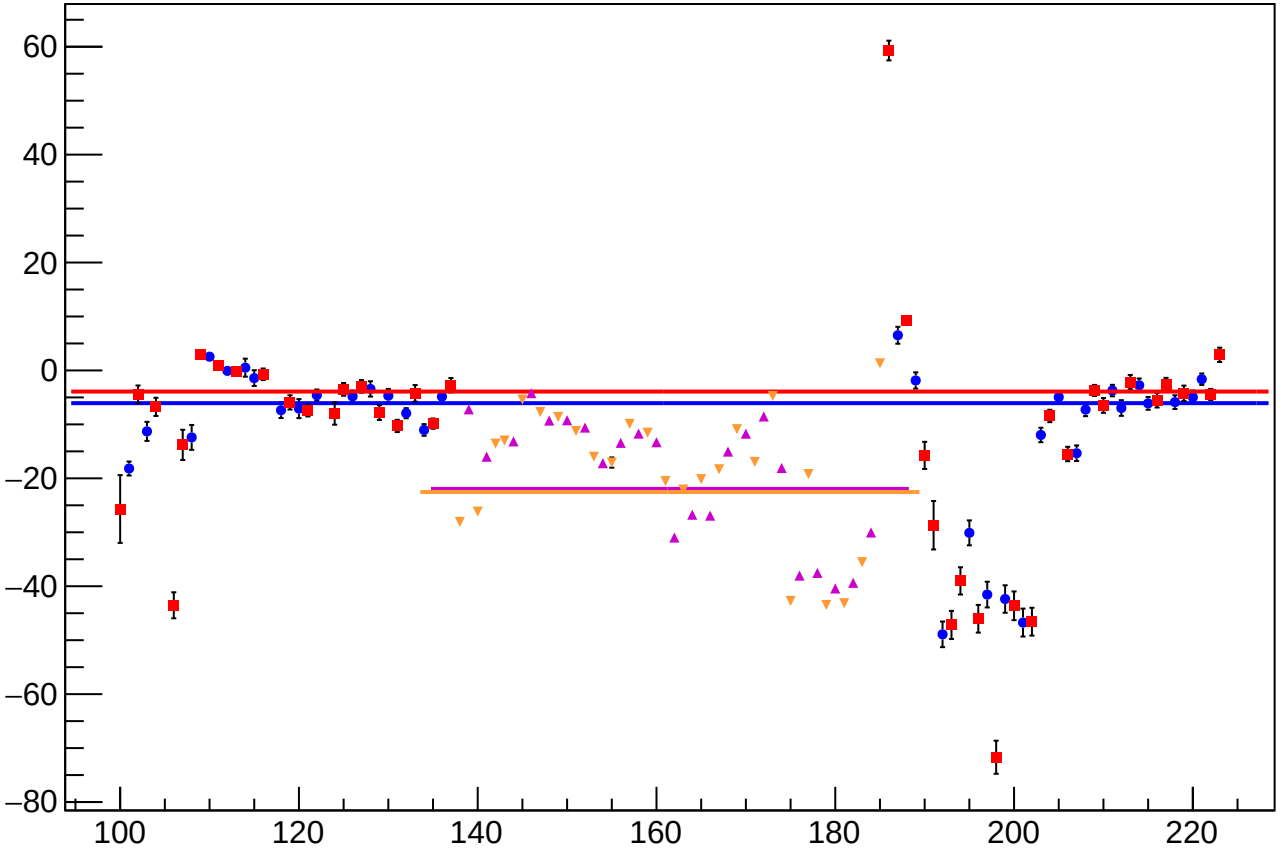
Right: 0.027+/-0.004 χ^2/NDF: 4183.7/72

In: 0.012+/-0.001 χ^2/NDF:3237.6/56

Out: 0.017+/-0.001 χ^2/NDF:3187.0/63

All: 0.015+/-0.001 χ^2/NDF: 6430.6/120

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

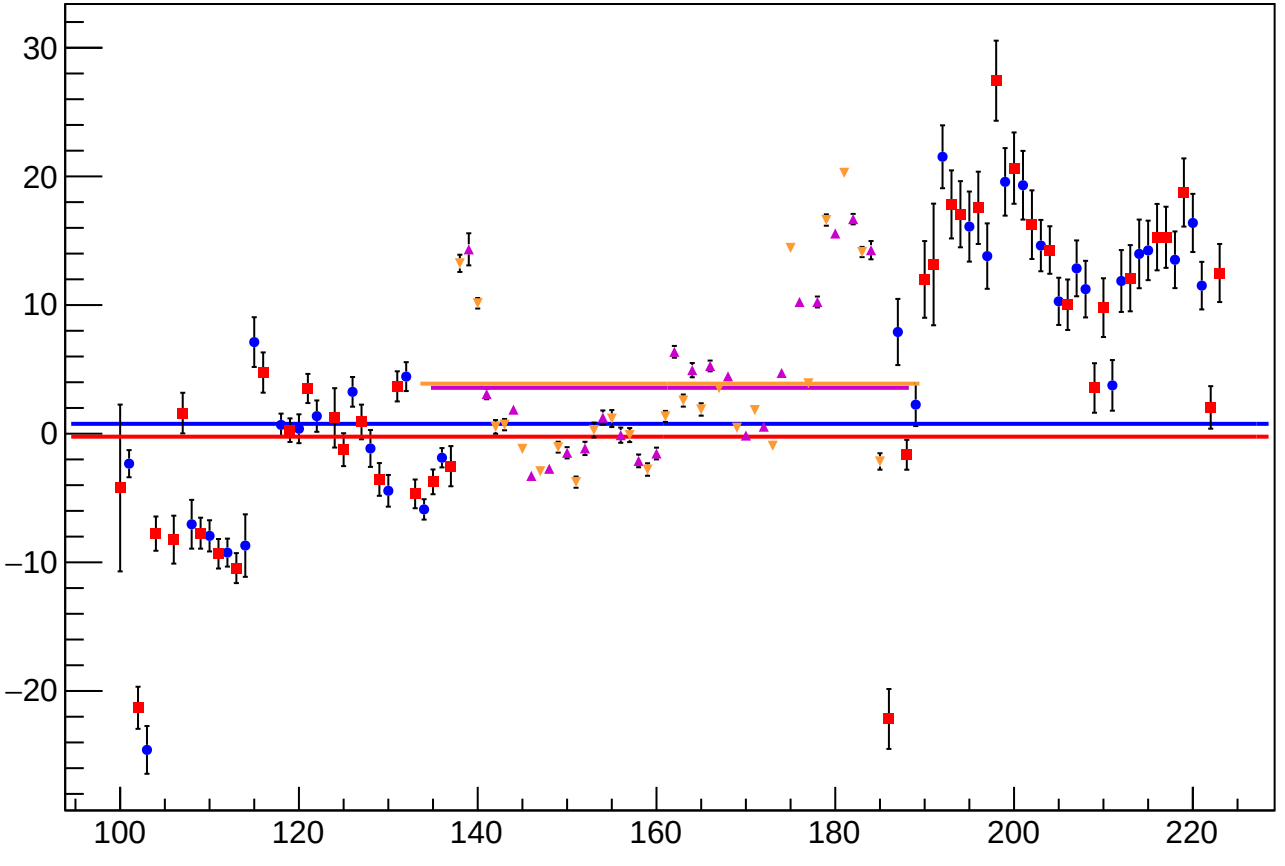
Right: -4.963+/-0.146 χ^2/NDF: 5634.0/72

In: -18.441+/-0.098 χ^2/NDF:18744.1/56

Out: -18.436+/-0.095 χ^2/NDF:27019.6/63

All: -18.438+/-0.068 χ^2/NDF: 45763.7/120

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

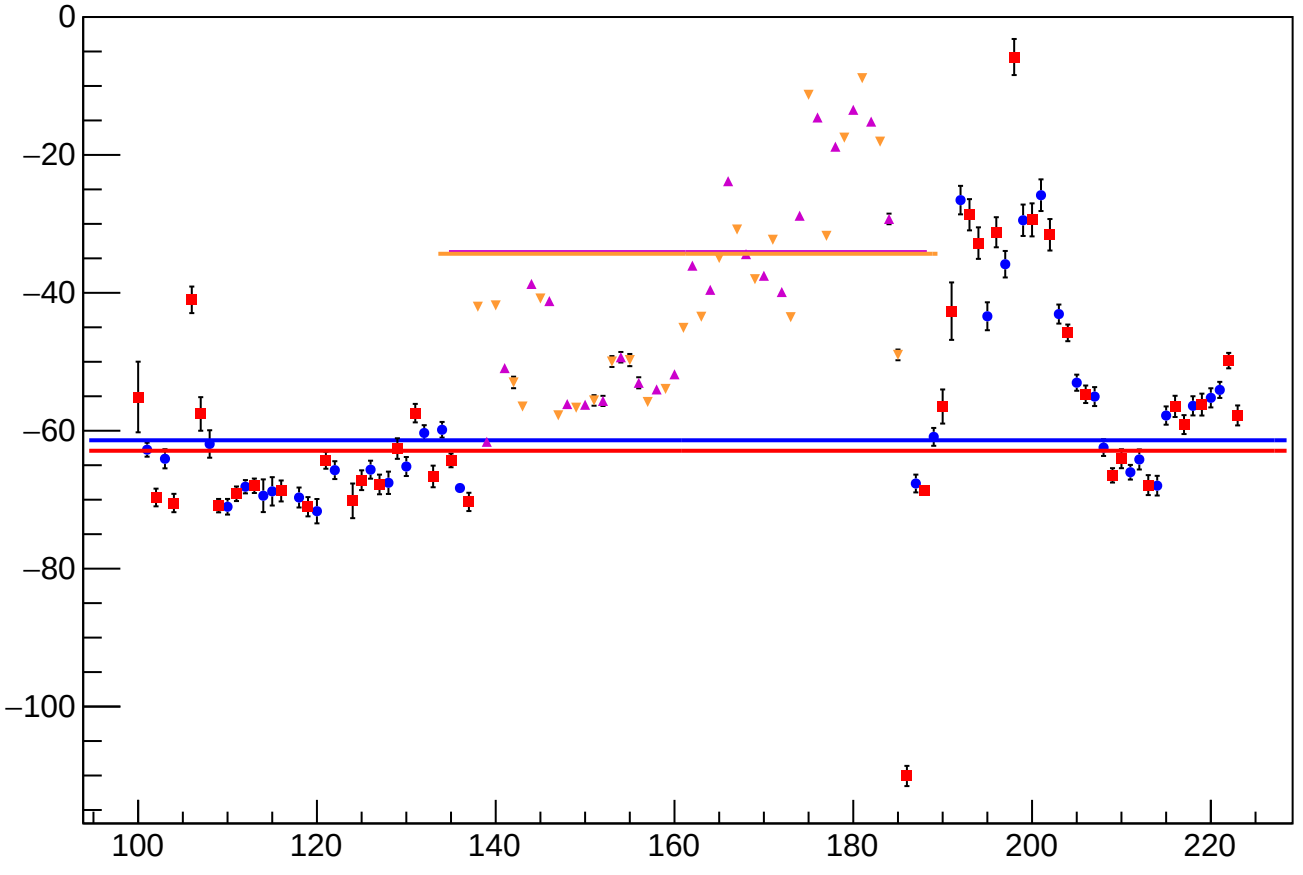
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: 0.278+/-0.179 χ^2/NDF: 2252.6/72

In: 3.269+/-0.082 χ^2/NDF:5906.9/56

Out: 3.488+/-0.080 χ^2/NDF:8147.2/63

All: 3.381+/-0.057 χ^2/NDF: 14057.7/120



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

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

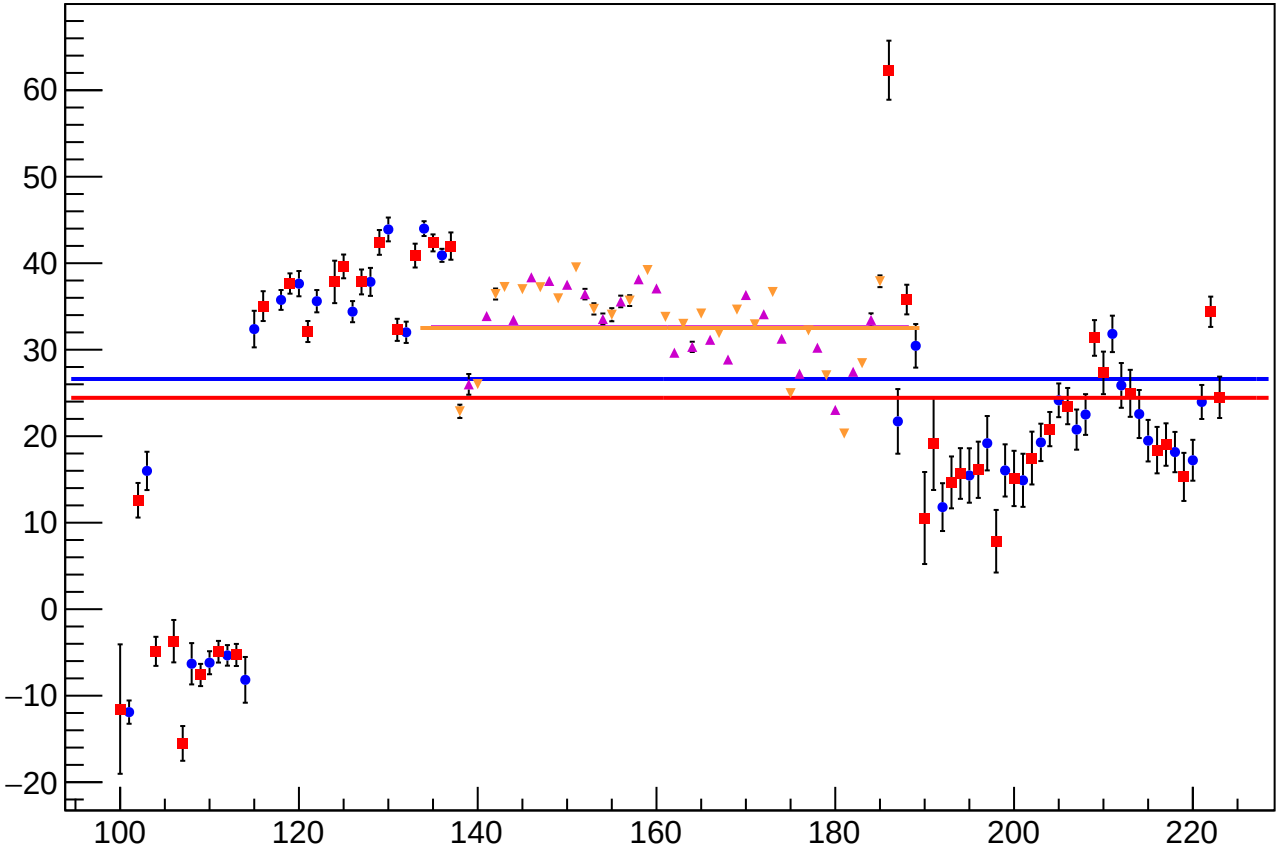
Right: -62.150+/-0.158 χ^2/NDF: 5300.0/72

In: -39.436+/-0.099 χ^2/NDF:31323.5/56

Out: -39.798+/-0.097 χ^2/NDF:38047.5/63

All: -39.621+/-0.070 χ^2/NDF: 69377.7/120

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

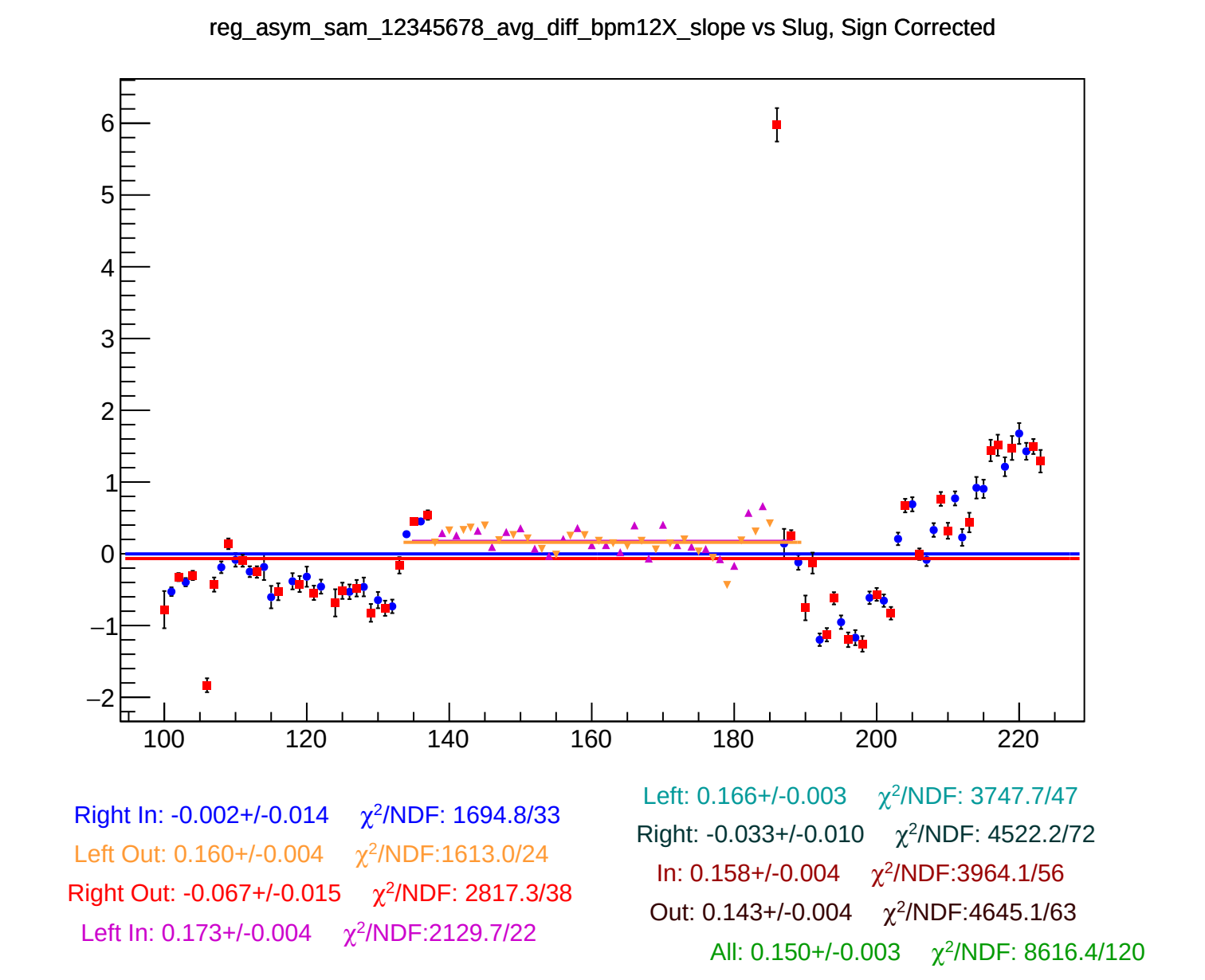
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

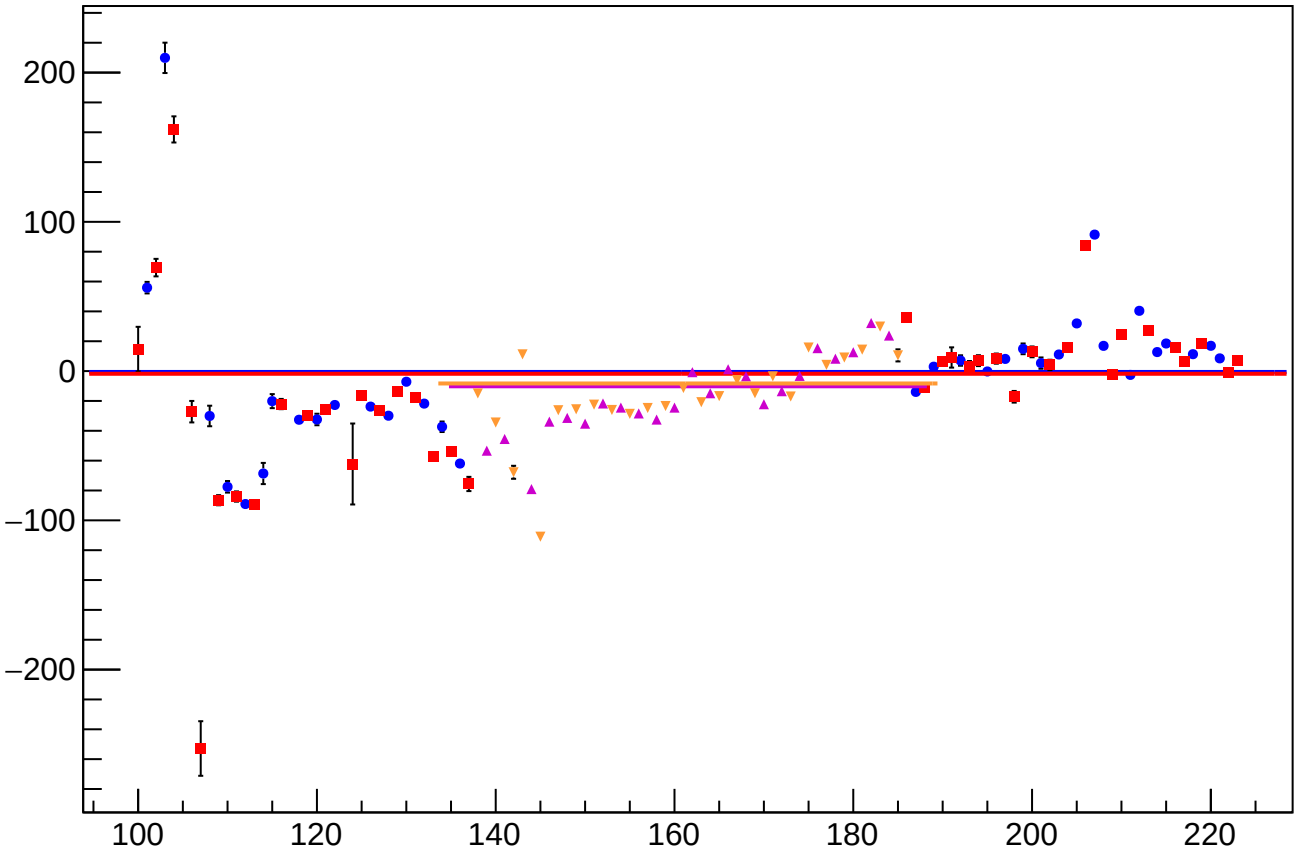
Right: 25.559+/-0.202 χ^2/NDF: 8073.9/72

In: 31.963+/-0.091 χ^2/NDF:6316.8/56

Out: 31.733+/-0.090 χ^2/NDF:7788.1/63

All: 31.846+/-0.064 χ^2/NDF: 14108.0/120


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.002+/-0.014 χ²/NDF: 1694.8/33
Left Out: 0.160+/-0.004 χ²/NDF:1613.0/24
Right Out: -0.067+/-0.015 χ²/NDF: 2817.3/38
Left In: 0.173+/-0.004 χ²/NDF:2129.7/22
Left: 0.166+/-0.003 χ²/NDF: 3747.7/47
Right: -0.033+/-0.010 χ²/NDF: 4522.2/72
In: 0.158+/-0.004 χ²/NDF:3964.1/56
Out: 0.143+/-0.004 χ²/NDF:4645.1/63
All: 0.150+/-0.003 χ²/NDF: 8616.4/120



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

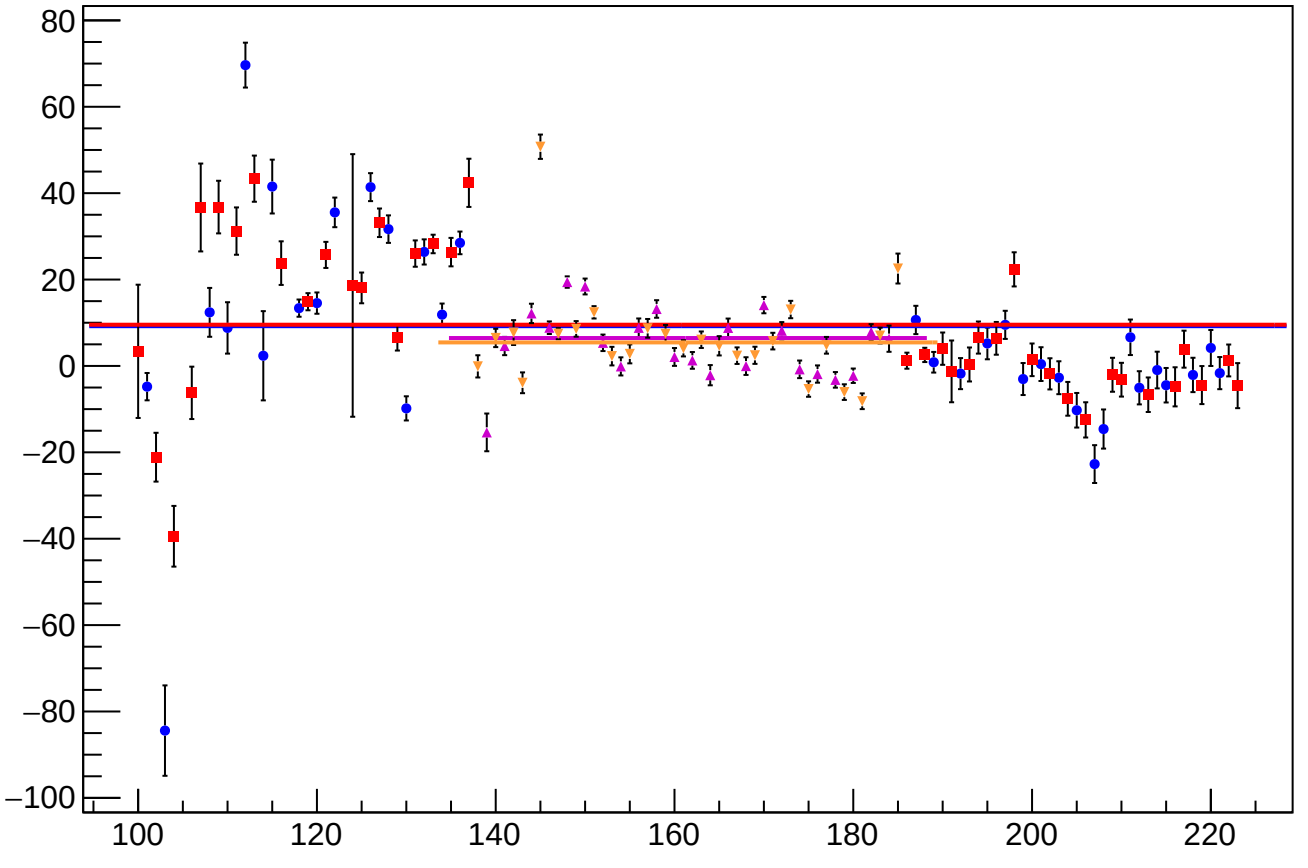
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -1.221+/-0.329 χ^2/NDF: 11194.9/72

In: -4.916+/-0.354 χ^2/NDF:7860.6/56

Out: -4.640+/-0.340 χ^2/NDF:8681.7/63

All: -4.773+/-0.245 χ^2/NDF: 16542.6/120



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

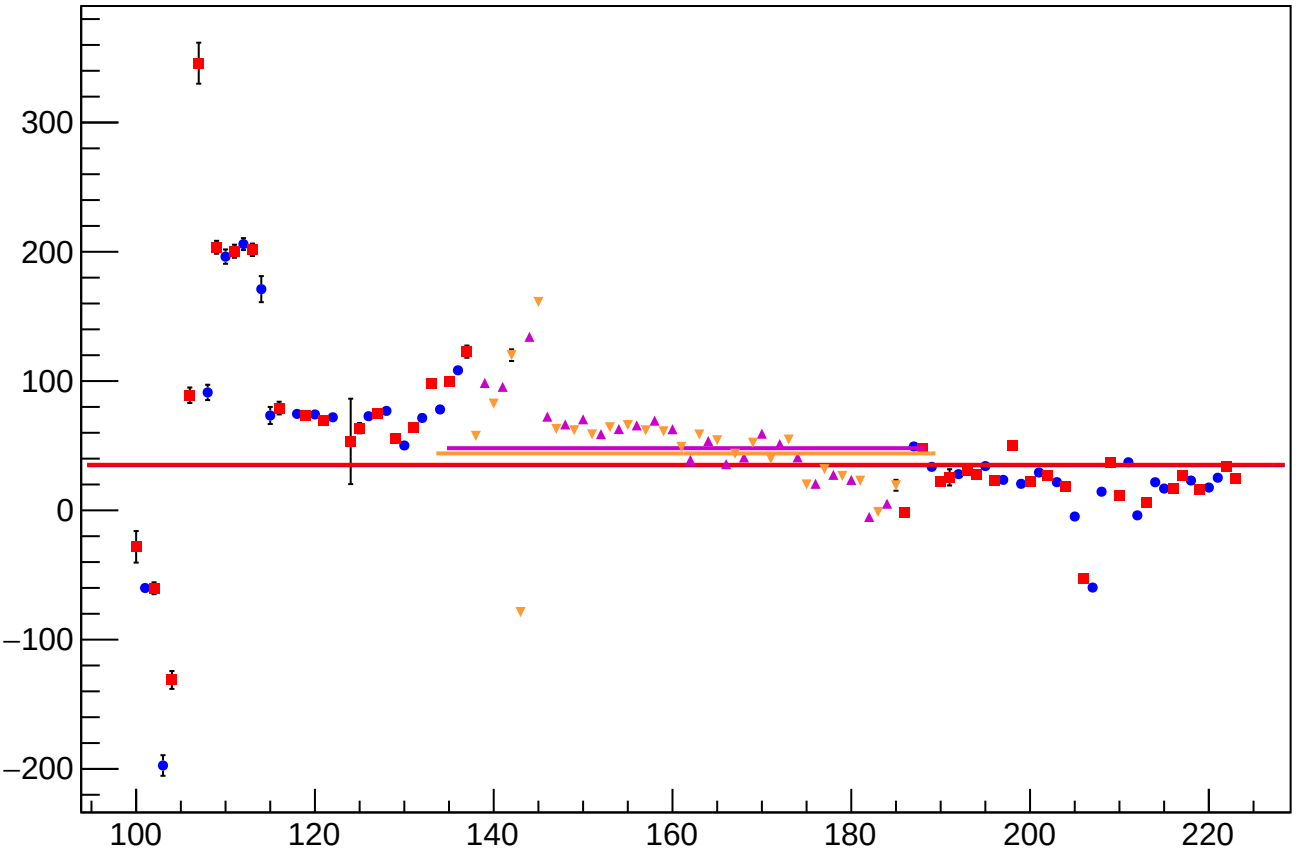
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 9.381+/-0.413 χ^2/NDF: 1446.8/72

In: 7.333+/-0.337 χ^2/NDF:1168.7/56

Out: 6.769+/-0.324 χ^2/NDF:1156.9/63

All: 7.040+/-0.234 χ^2/NDF: 2327.1/120



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

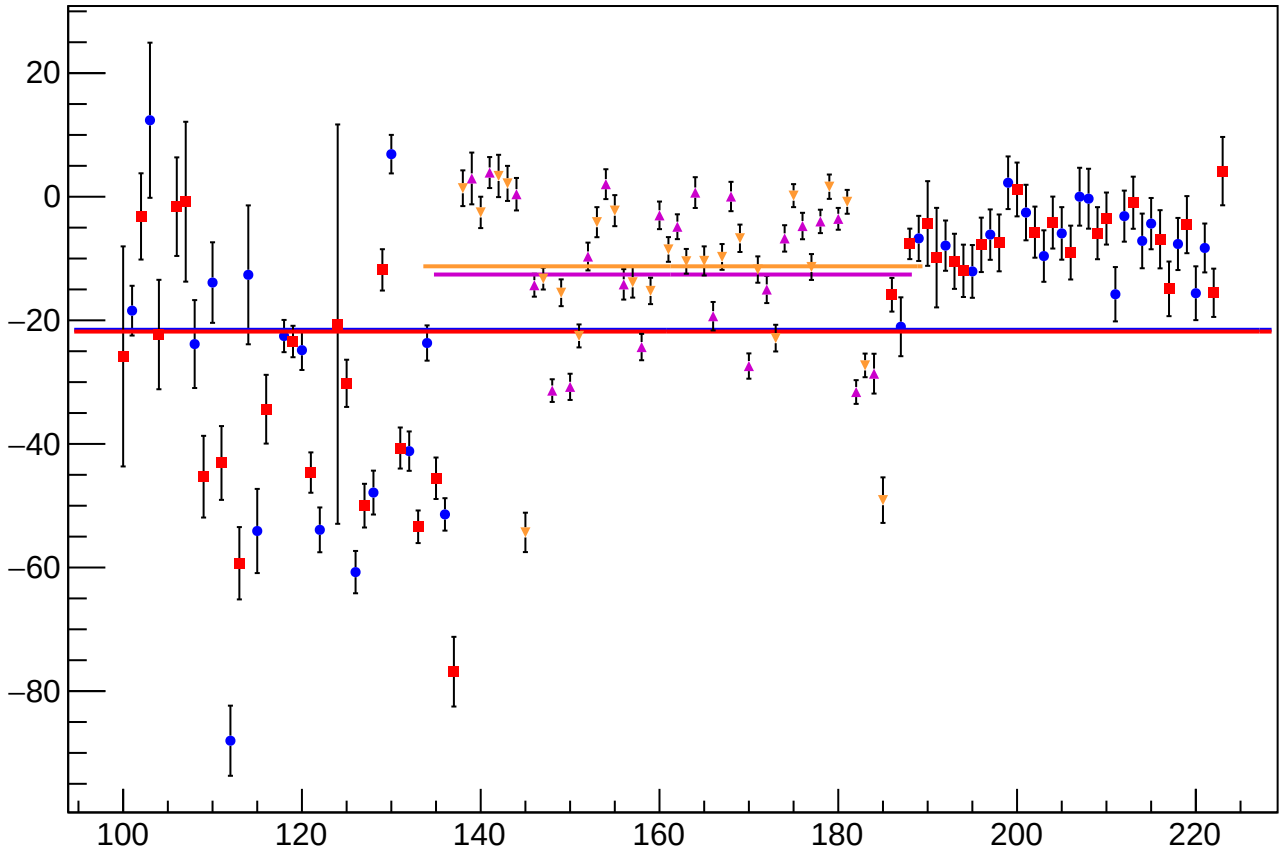
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 35.081+/-0.326 χ^2/NDF: 17900.0/72

In: 40.993+/-0.355 χ^2/NDF:12163.2/56

Out: 39.011+/-0.334 χ^2/NDF:14190.9/63

All: 39.942+/-0.243 χ^2/NDF: 26370.7/120



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

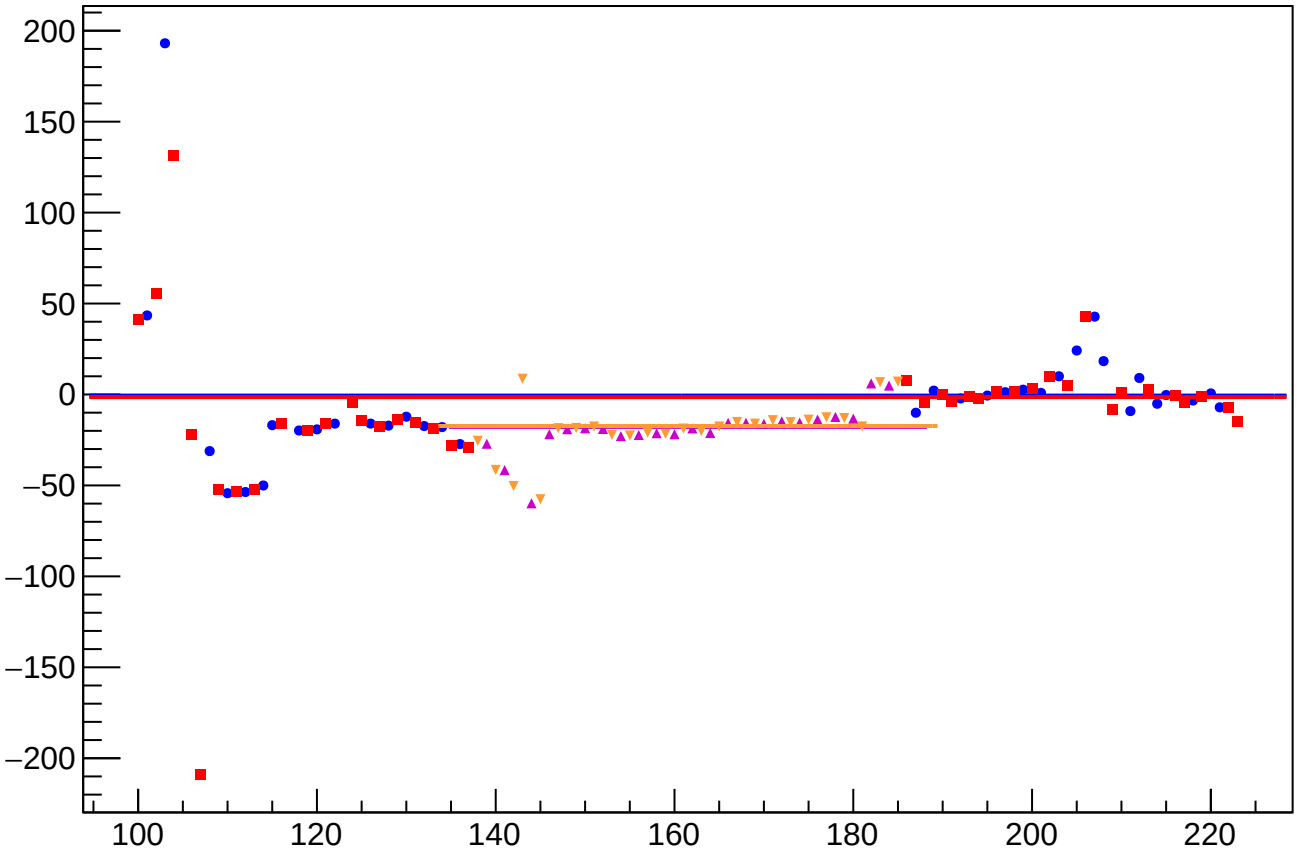
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -21.677+/-0.482 χ^2/NDF: 1710.8/72

In: -15.348+/-0.382 χ^2/NDF:1708.4/56

Out: -14.446+/-0.372 χ^2/NDF:1604.6/63

All: -14.885+/-0.266 χ^2/NDF: 3315.9/120



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

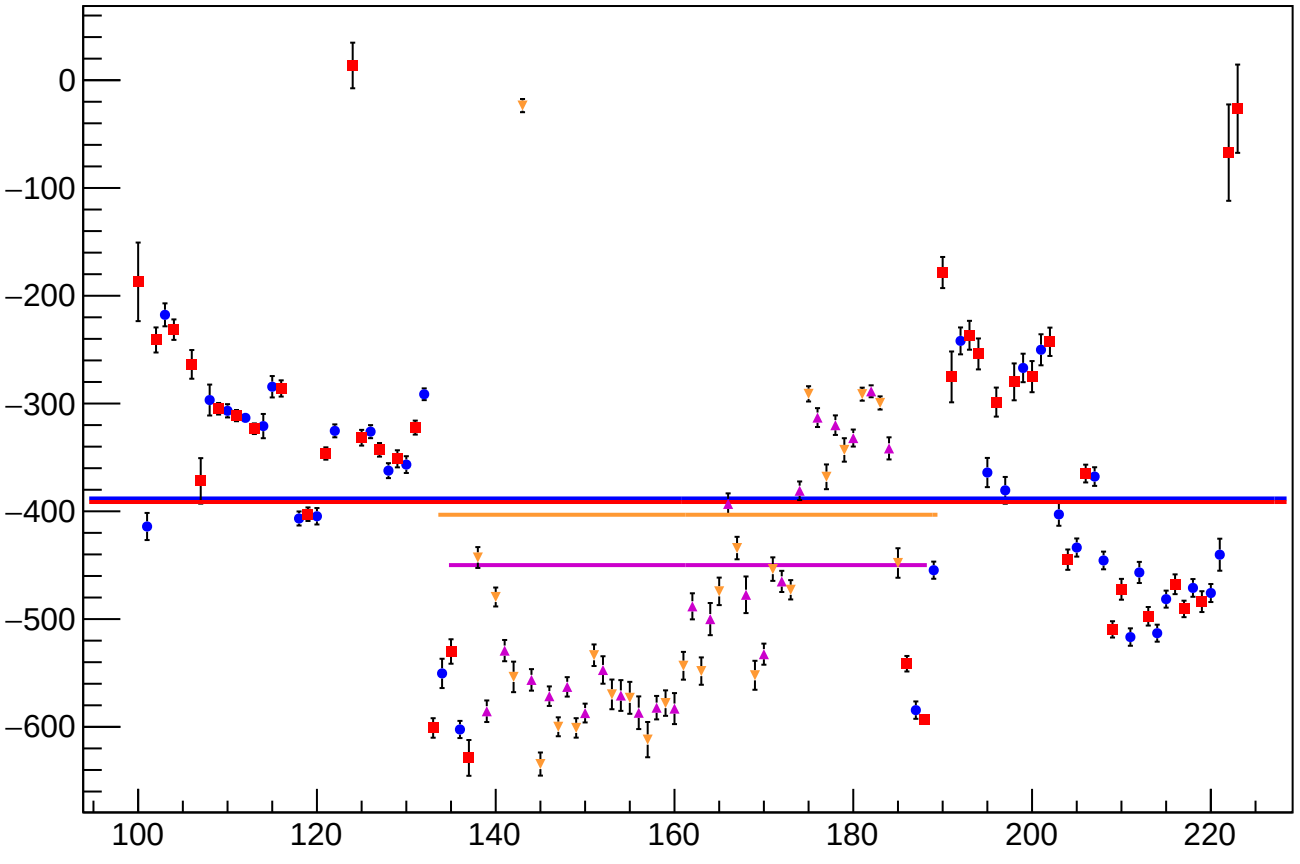
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -1.031+/-0.023 χ^2/NDF: 1223180.2/72

In: -13.078+/-0.017 χ^2/NDF:1115096.2/56

Out: -12.953+/-0.017 χ^2/NDF:1096171.6/63

All: -13.014+/-0.012 χ^2/NDF: 2211294.5/120



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

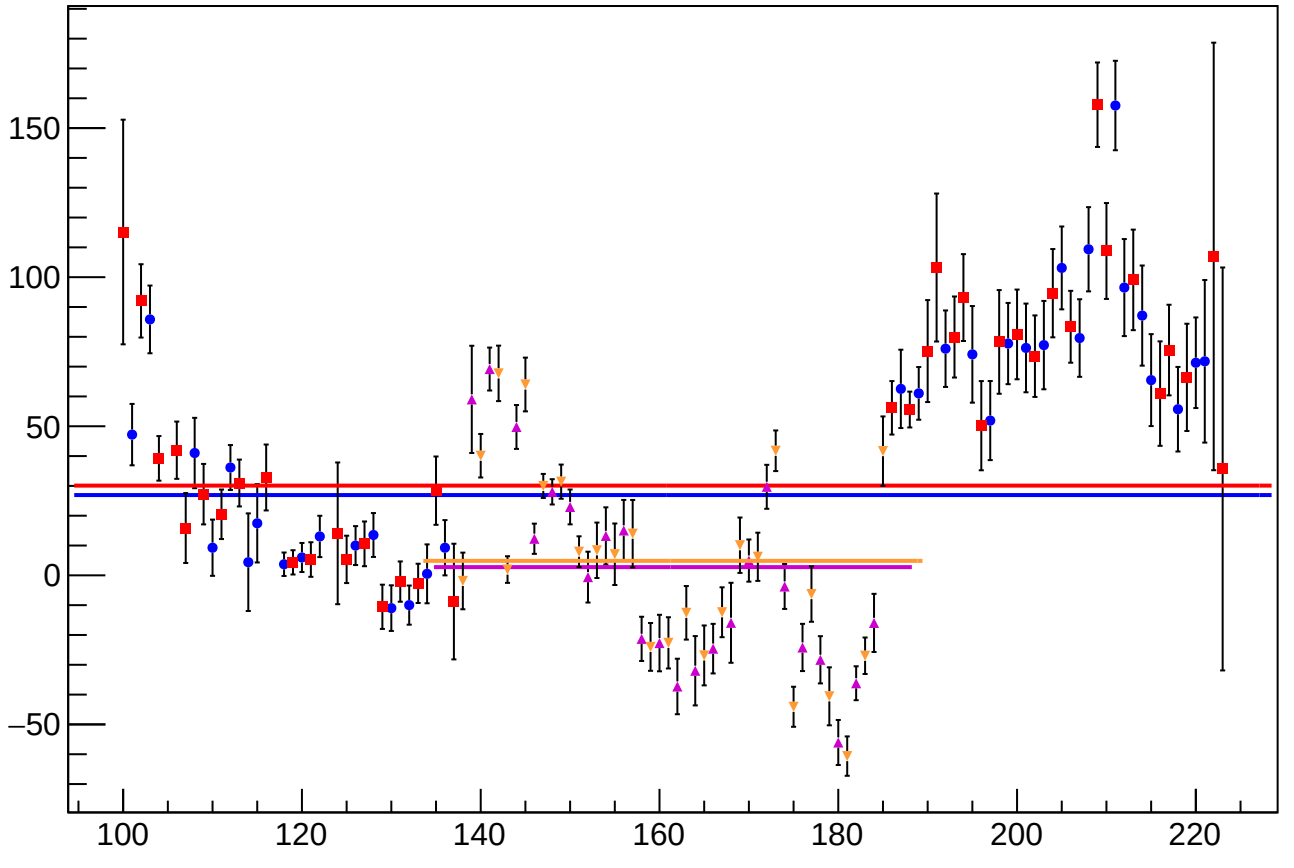
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -389.787+/-0.978 χ^2/NDF: 11714.0/72

In: -408.021+/-1.160 χ^2/NDF:8149.2/56

Out: -395.297+/-1.111 χ^2/NDF:15176.8/63

All: -401.381+/-0.802 χ^2/NDF: 23388.8/120



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

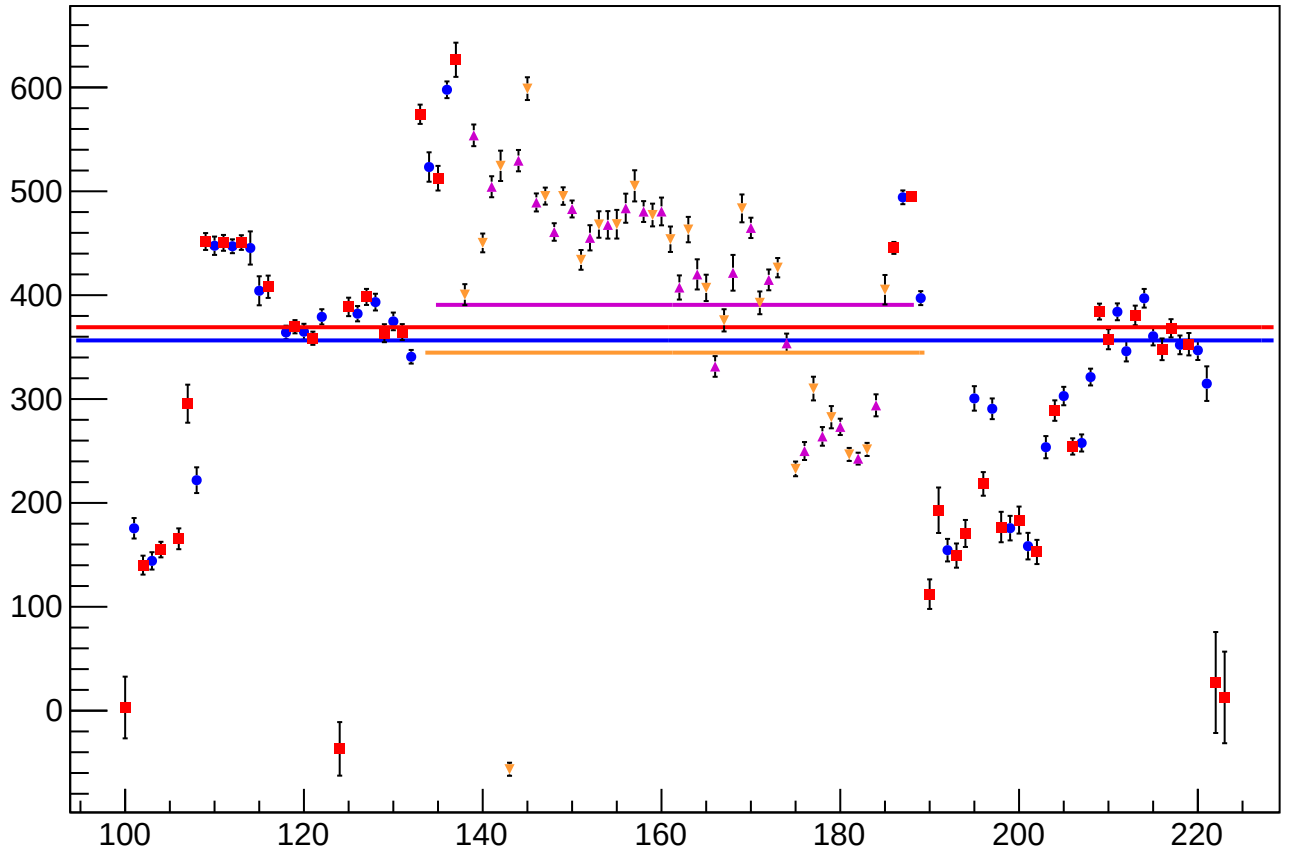
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 28.535+/-1.129 χ^2/NDF: 946.7/72

In: 14.416+/-1.118 χ^2/NDF:984.7/56

Out: 16.337+/-1.068 χ^2/NDF:1071.8/63

All: 15.420+/-0.772 χ^2/NDF: 2058.1/120



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

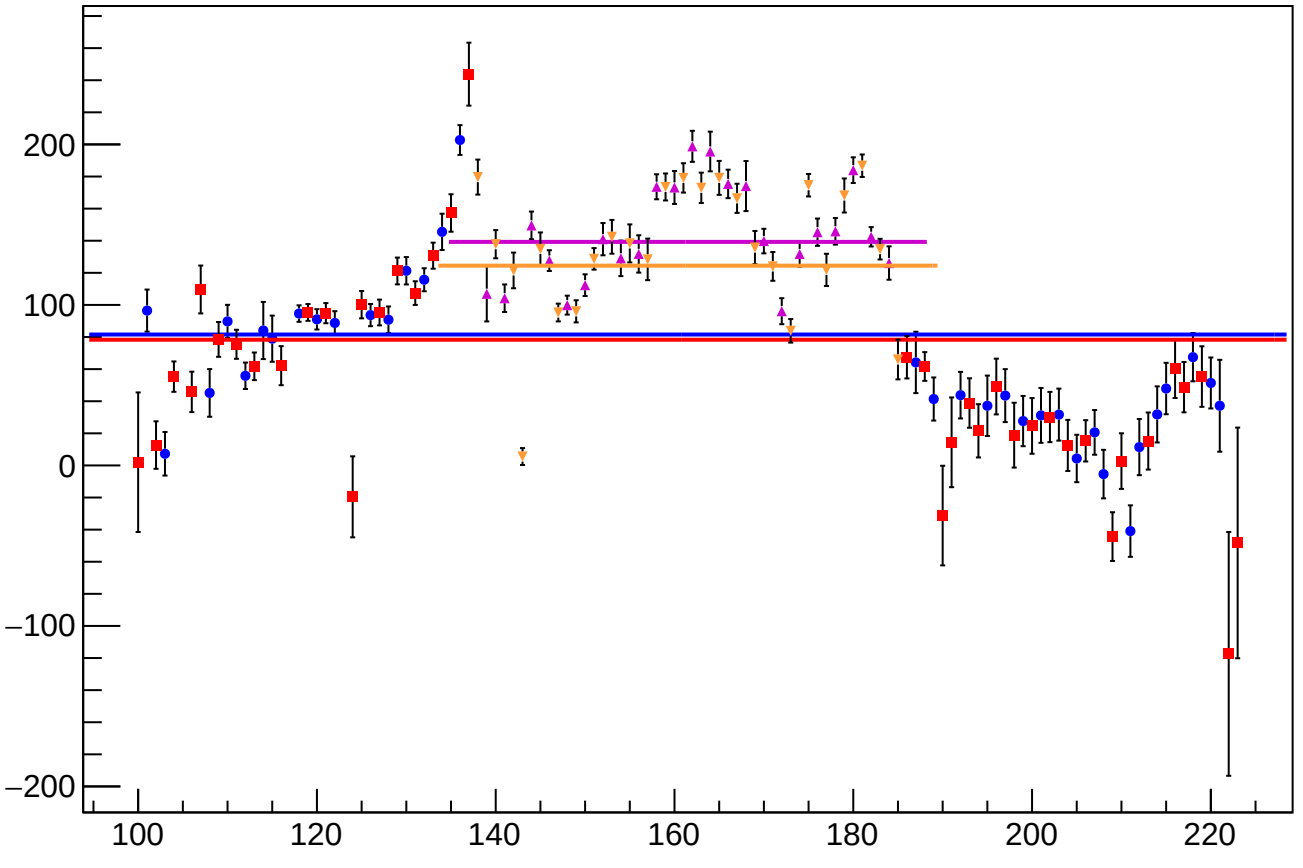
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.174+/-1.034 χ^2/NDF: 11592.0/72

In: 368.617+/-1.210 χ^2/NDF:7073.8/56

Out: 360.514+/-1.143 χ^2/NDF:14719.5/63

All: 364.334+/-0.831 χ^2/NDF: 21817.0/120



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

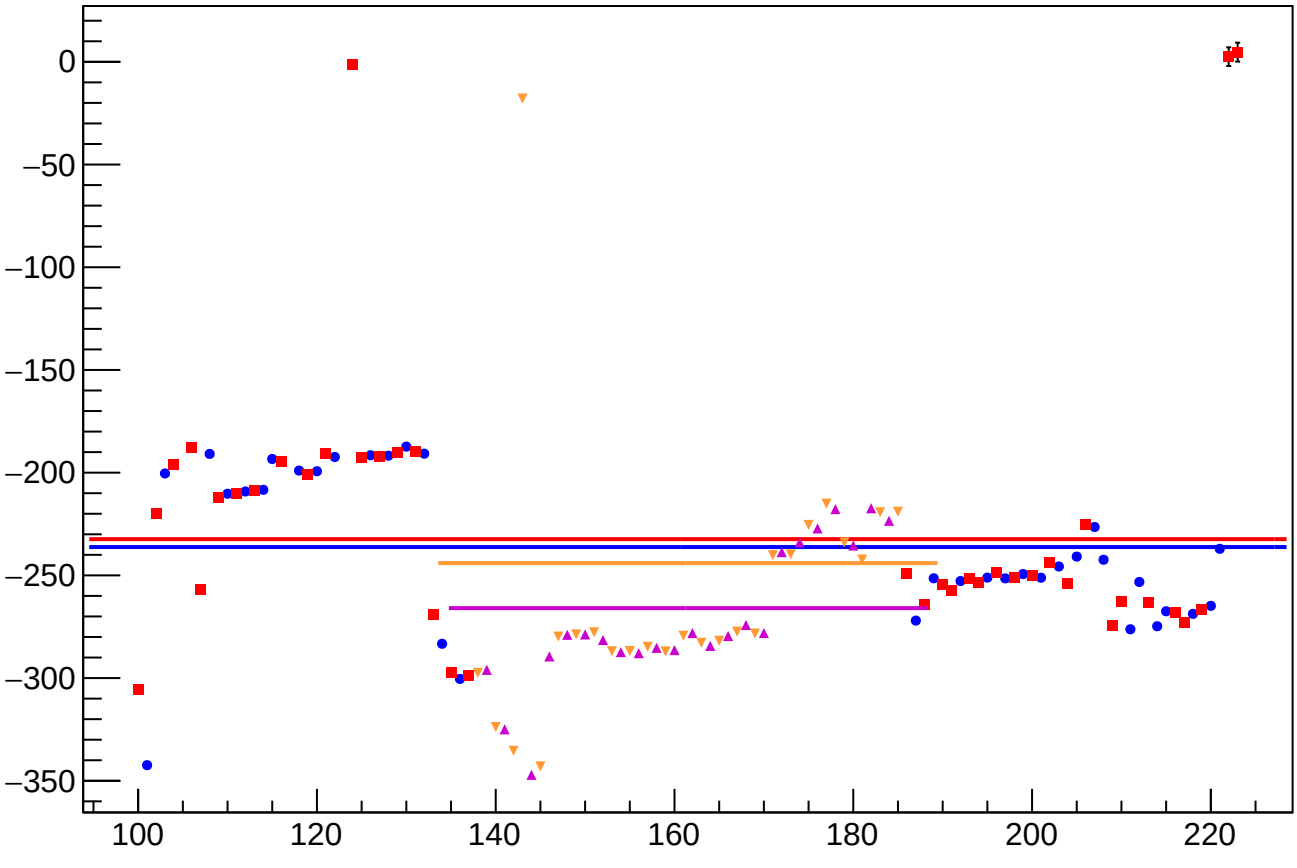
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 79.925+/-1.316 χ^2/NDF: 1054.5/72

In: 111.988+/-1.285 χ^2/NDF:1303.1/56

Out: 103.893+/-1.237 χ^2/NDF:1795.1/63

All: 107.787+/-0.891 χ^2/NDF: 3118.9/120



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

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

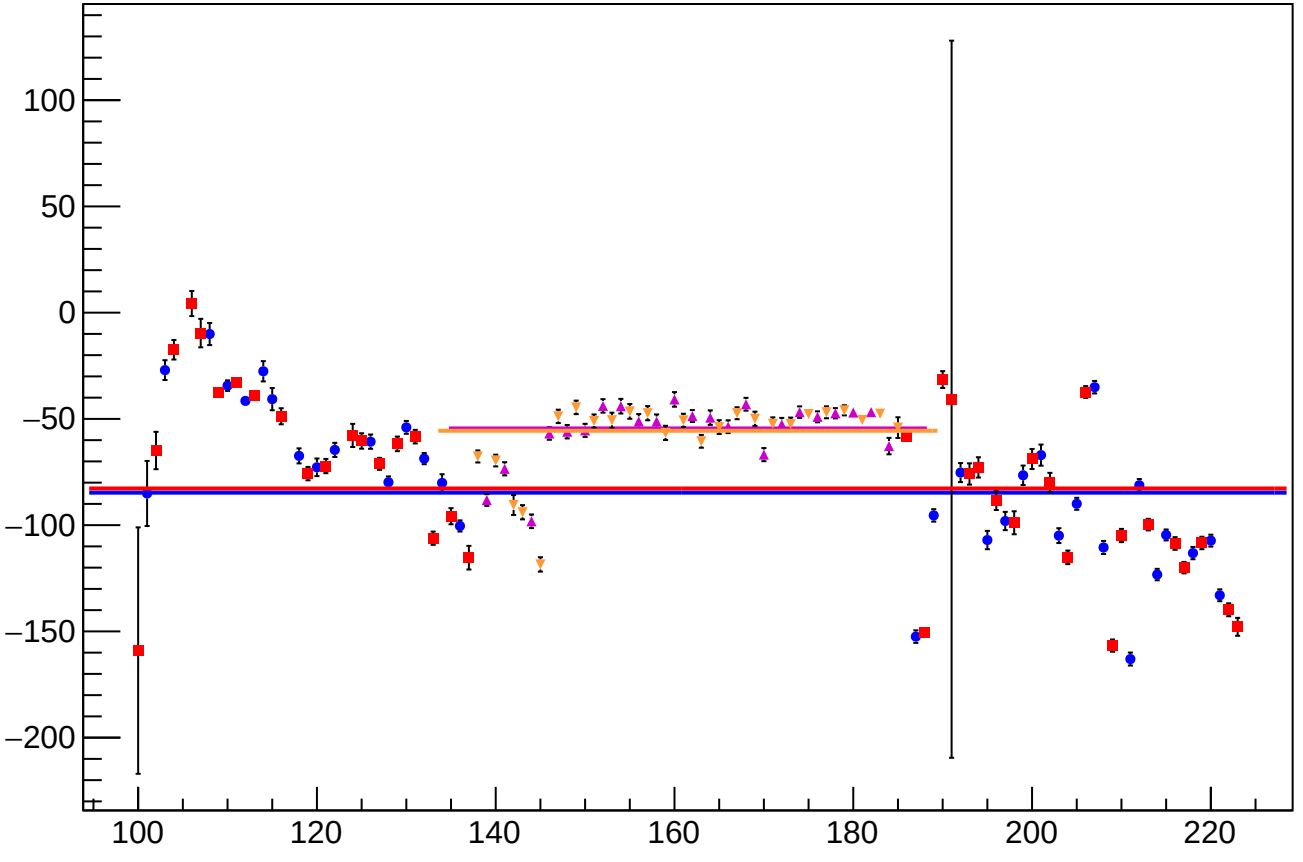
Right: -234.228+/-0.071 χ^2/NDF: 273691.4/72

In: -254.520+/-0.063 χ^2/NDF:367878.0/56

Out: -239.599+/-0.061 χ^2/NDF:1134018.3/63

All: -246.791+/-0.044 χ^2/NDF: 1530797.0/12

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

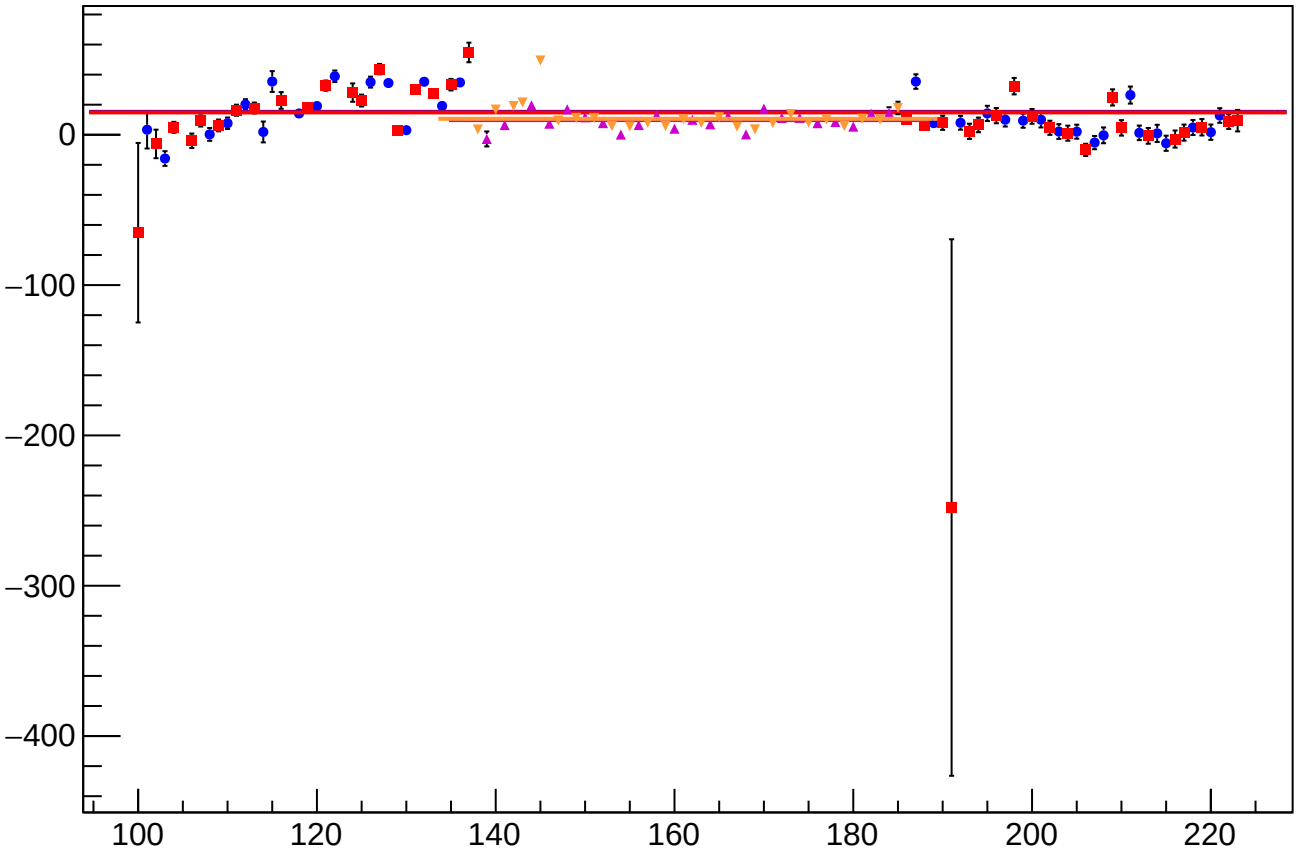
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -83.661+/-0.380 χ^2/NDF: 10263.5/72

In: -70.934+/-0.409 χ^2/NDF:5903.8/56

Out: -70.859+/-0.390 χ^2/NDF:8083.3/63

All: -70.894+/-0.282 χ^2/NDF: 13987.1/120



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

Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

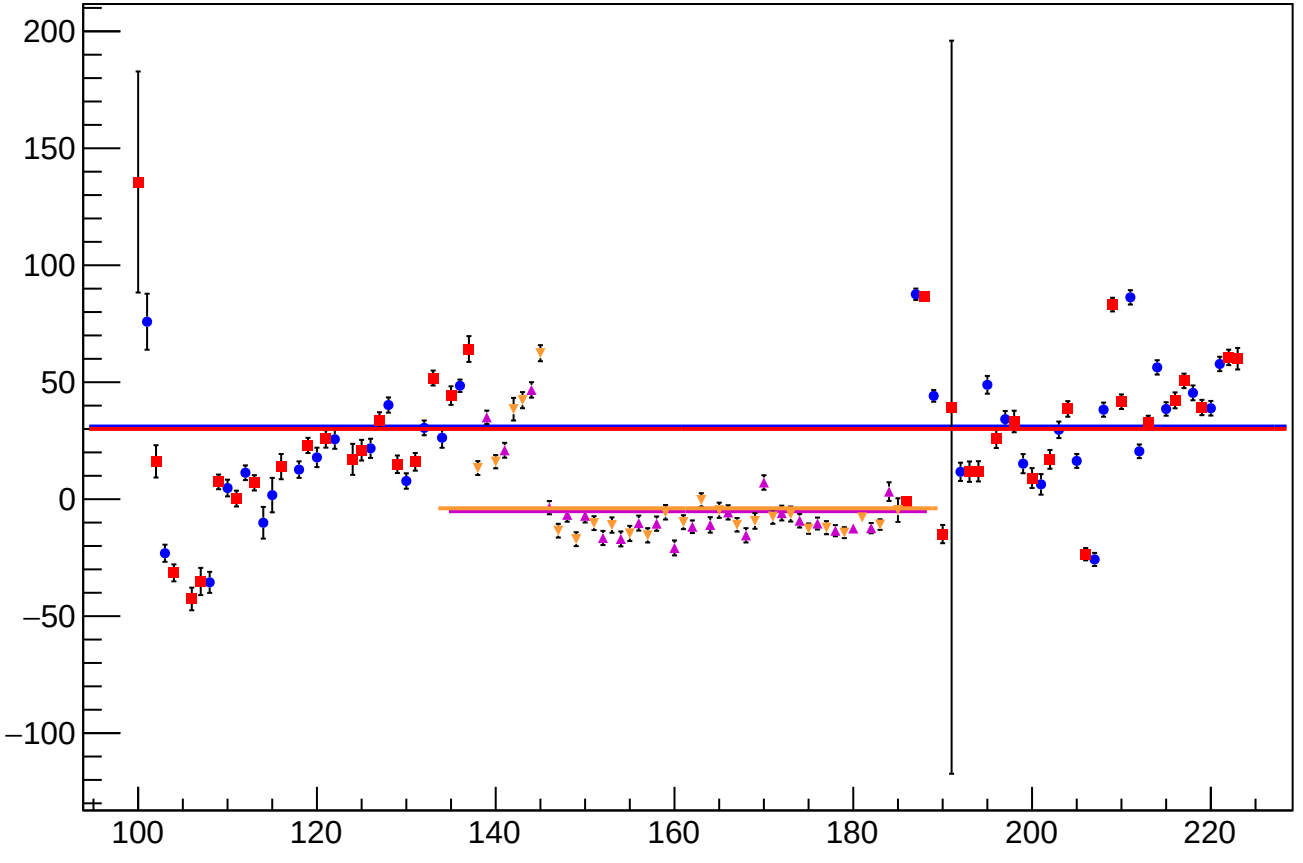
Right: 15.040+/-0.468 χ^2/NDF: 799.7/72

In: 11.496+/-0.386 χ^2/NDF:562.8/56

Out: 12.010+/-0.368 χ^2/NDF:686.0/63

All: 11.765+/-0.266 χ^2/NDF: 1249.8/120

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



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

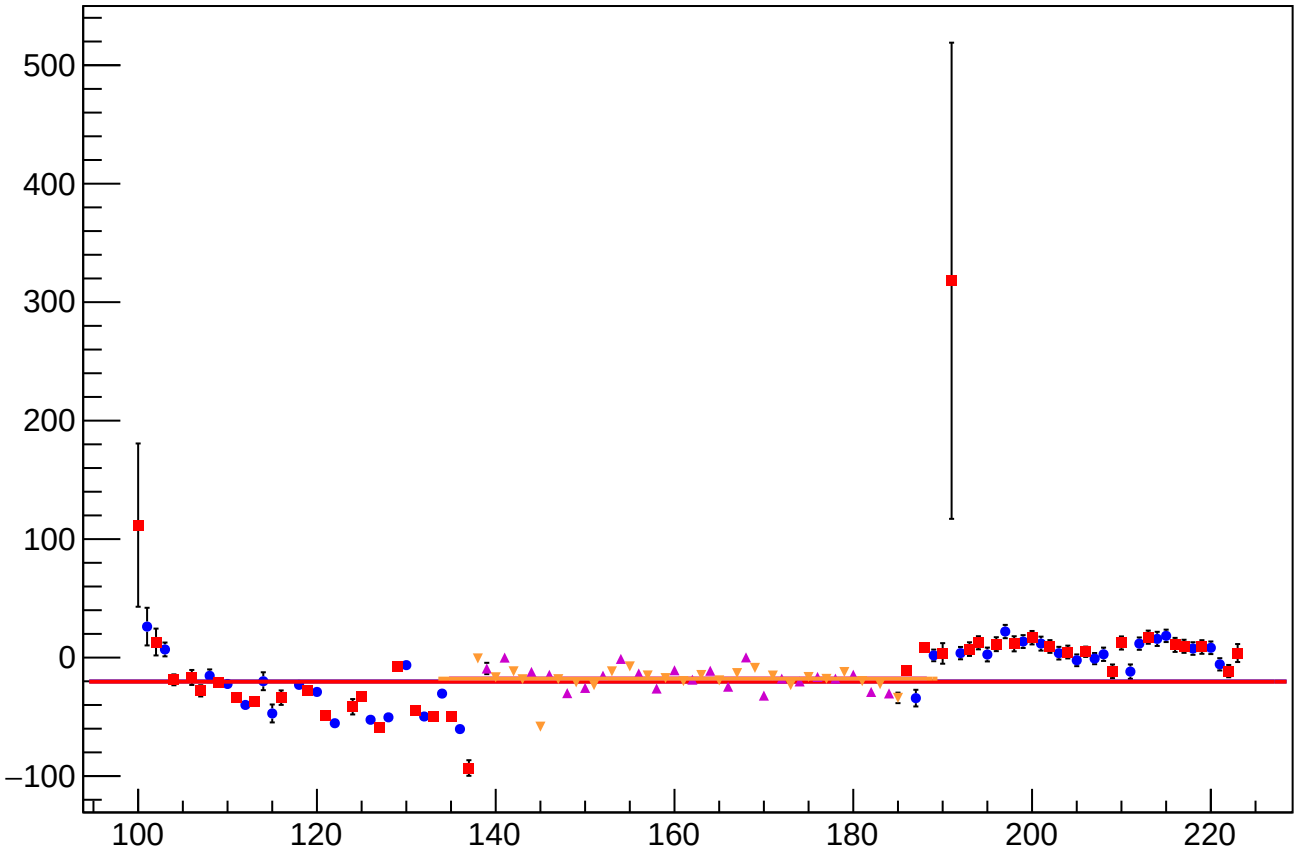
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 30.502+/-0.393 χ^2/NDF: 6661.2/72

In: 13.458+/-0.418 χ^2/NDF:4883.7/56

Out: 14.723+/-0.393 χ^2/NDF:6991.7/63

All: 14.130+/-0.286 χ^2/NDF: 11880.2/120



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

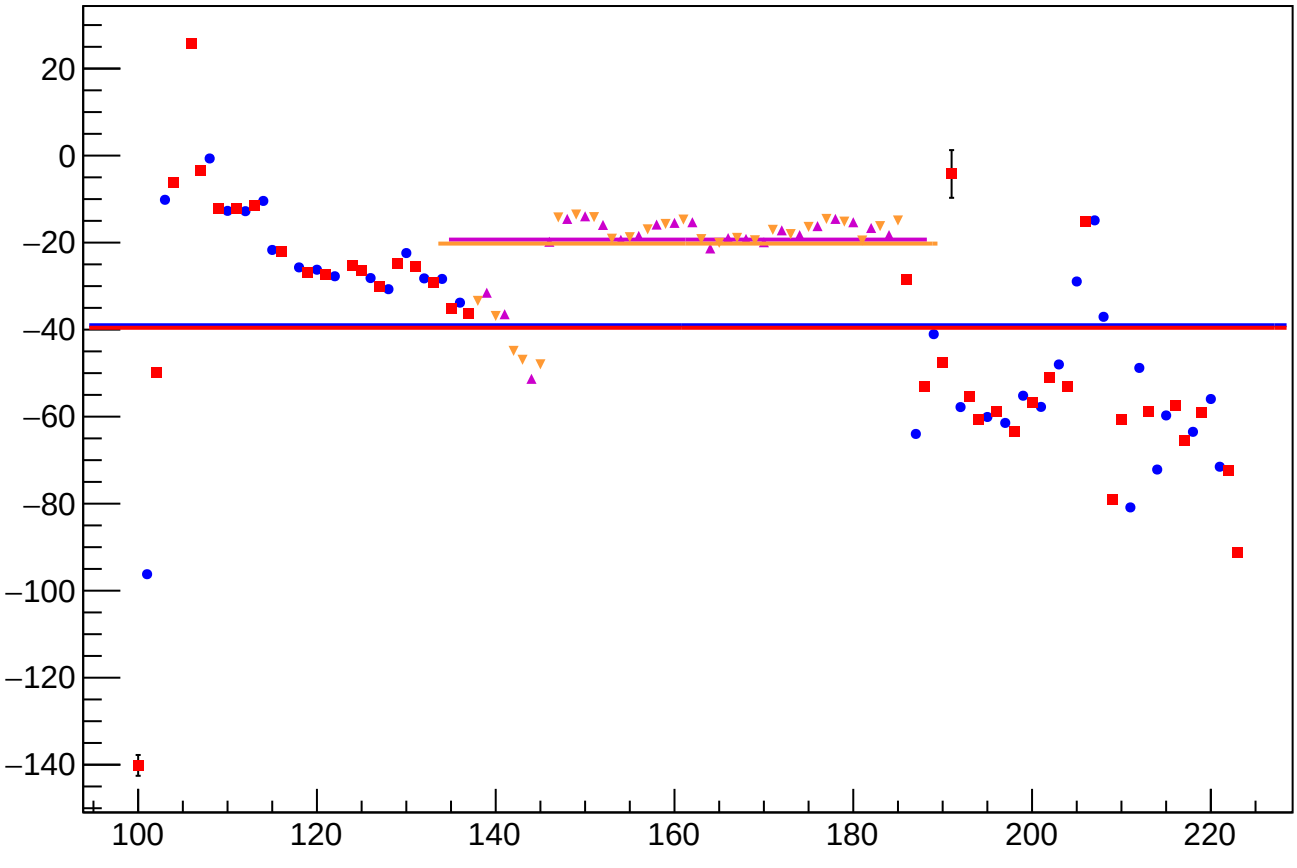
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -20.229+/-0.543 χ^2/NDF: 2111.4/72

In: -18.416+/-0.437 χ^2/NDF:1305.8/56

Out: -18.574+/-0.422 χ^2/NDF:1357.8/63

All: -18.498+/-0.303 χ^2/NDF: 2663.7/120



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

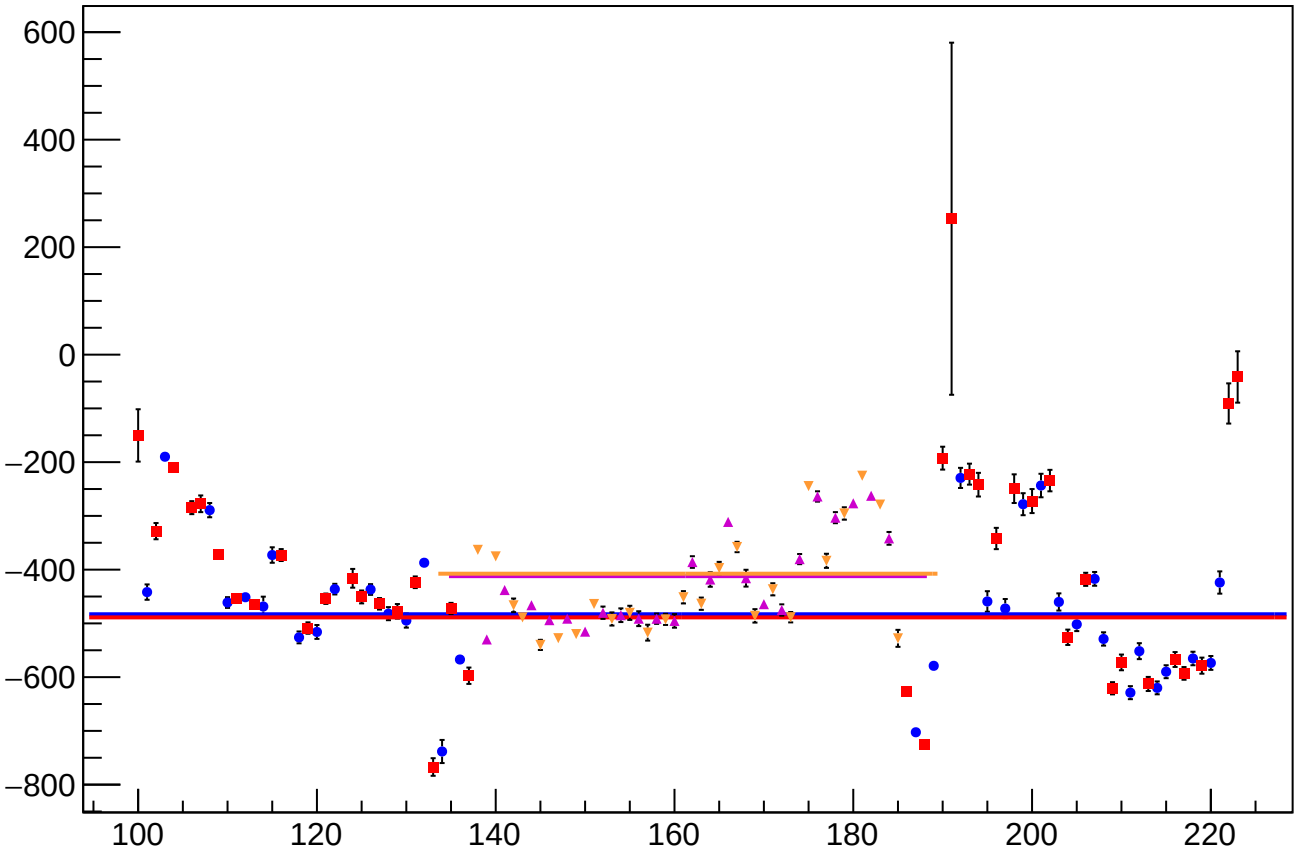
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -39.287+/-0.027 χ^2/NDF: 647263.8/72

In: -24.603+/-0.020 χ^2/NDF:565467.3/56

Out: -25.377+/-0.020 χ^2/NDF:705354.4/63

All: -24.996+/-0.014 χ^2/NDF: 1271590.8/120



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

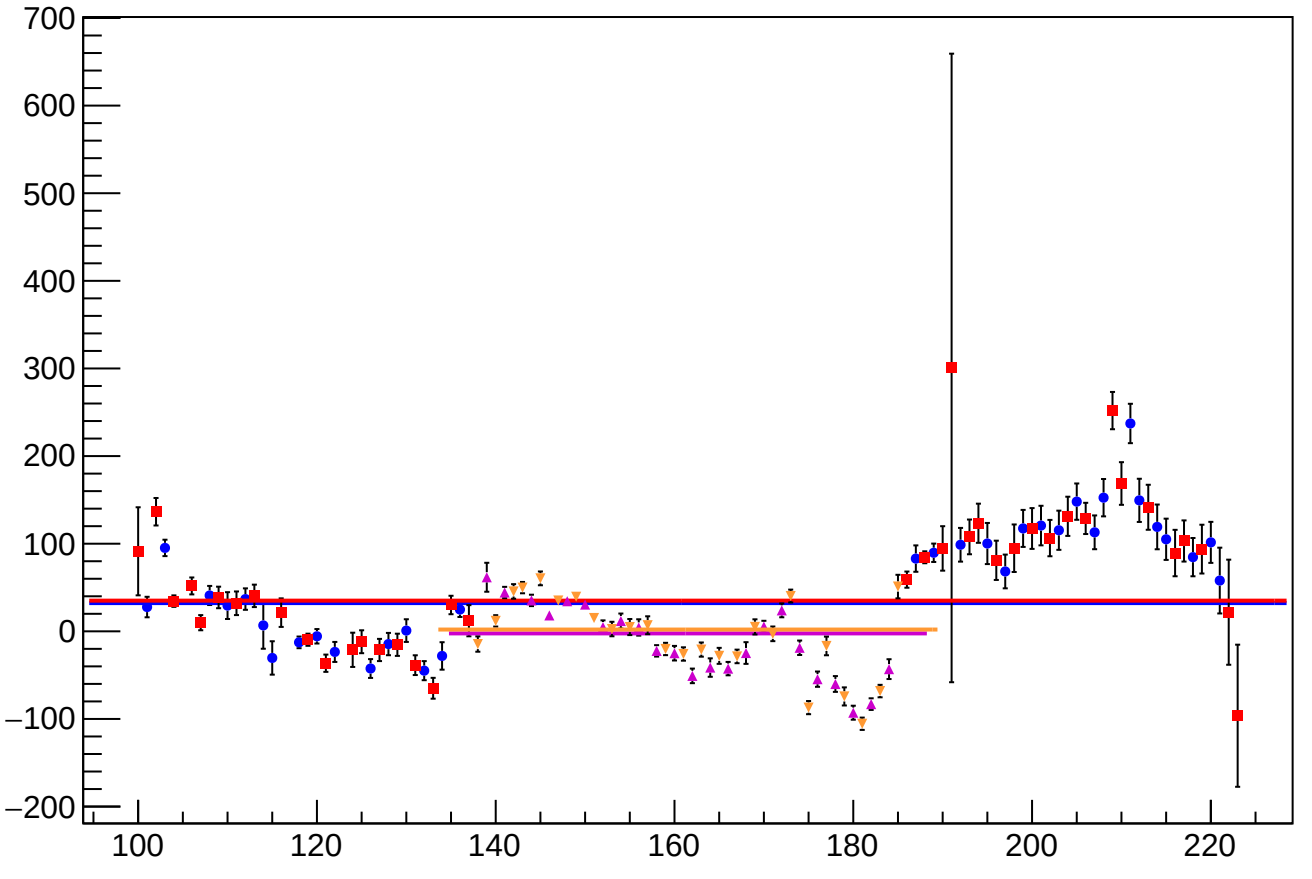
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -486.152+/-1.391 χ^2/NDF: 10172.5/72

In: -446.834+/-1.435 χ^2/NDF:6203.5/56

Out: -449.422+/-1.358 χ^2/NDF:10524.2/63

All: -448.199+/-0.986 χ^2/NDF: 16729.4/120



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

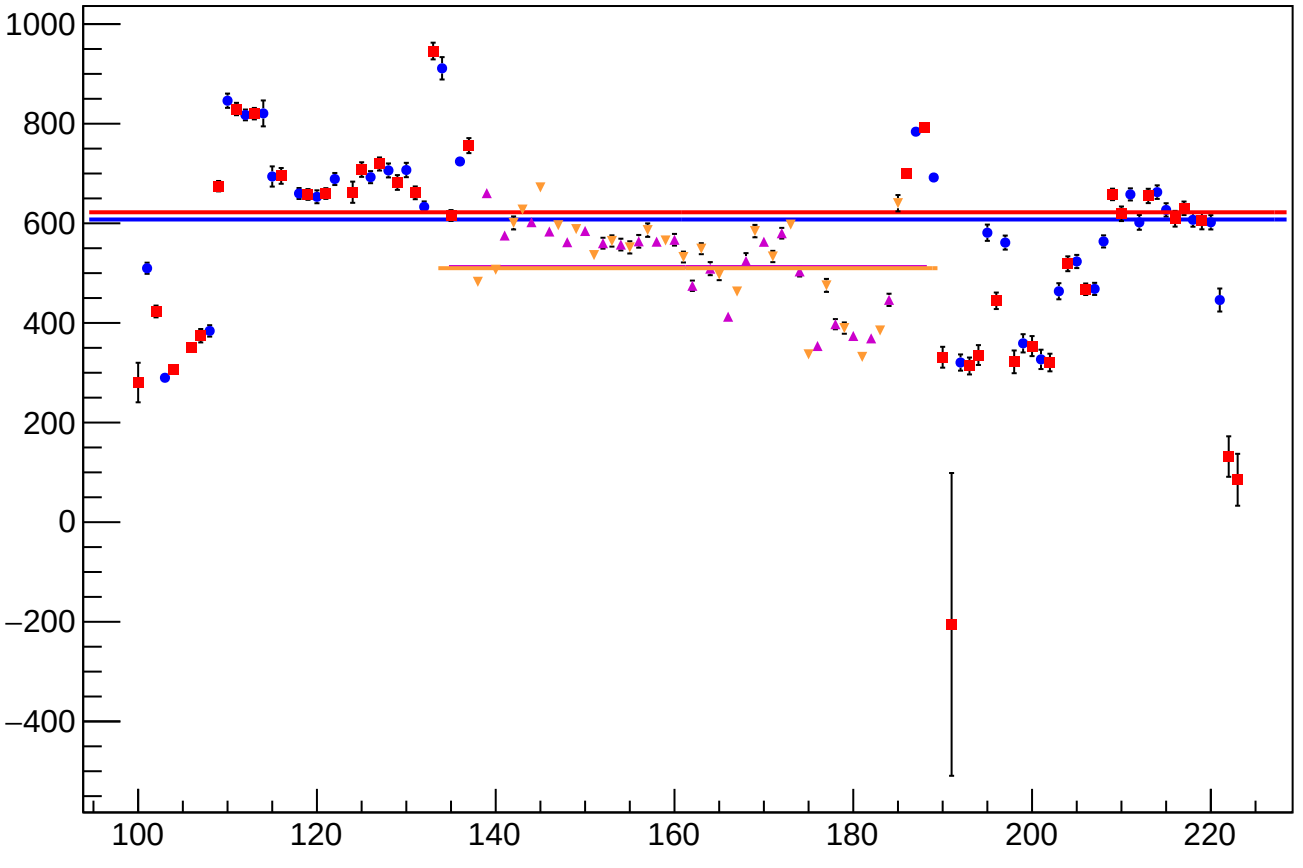
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 33.748+/-1.590 χ^2/NDF: 1282.6/72

In: 7.443+/-1.255 χ^2/NDF:1502.8/56

Out: 12.083+/-1.189 χ^2/NDF:1740.5/63

All: 9.888+/-0.863 χ^2/NDF: 3250.5/120



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

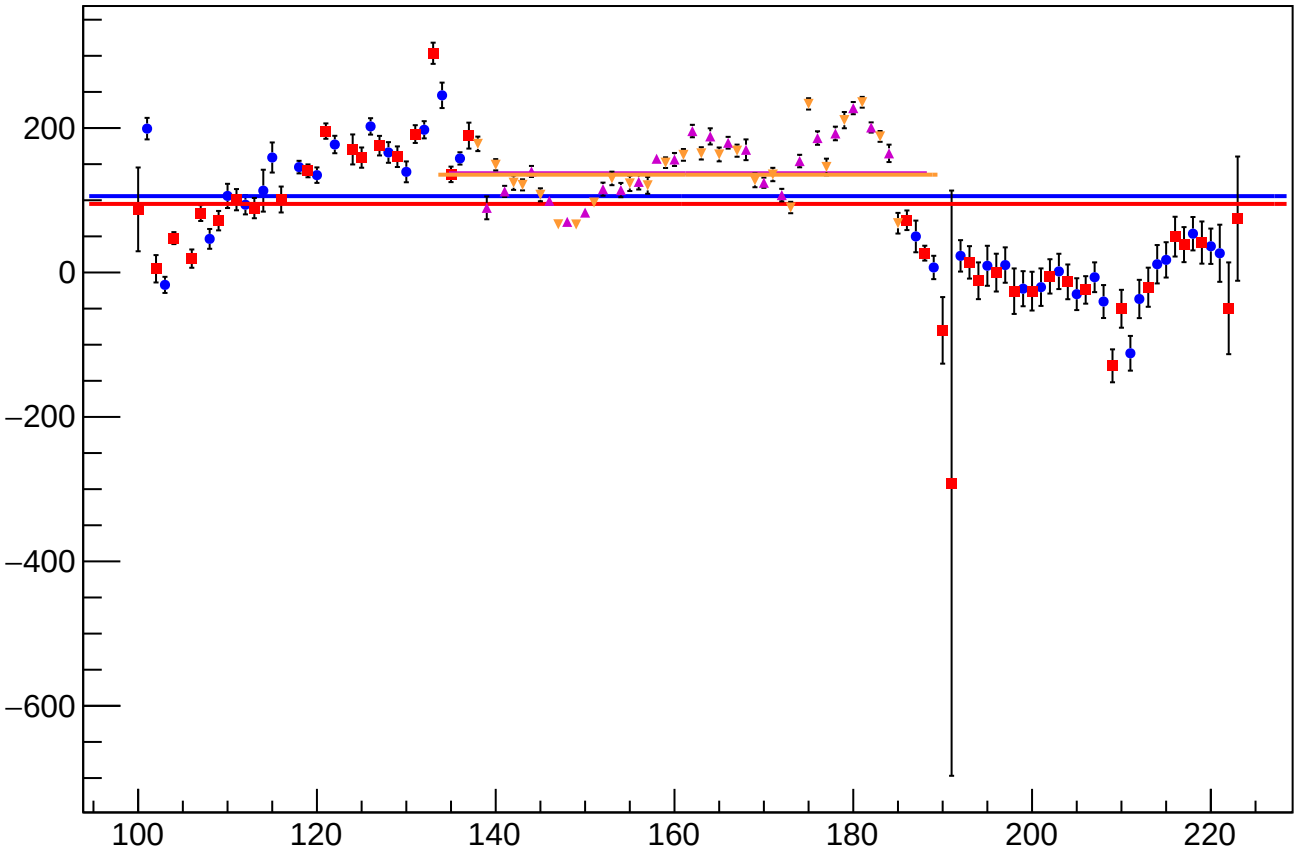
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 615.734+/-1.394 χ^2/NDF: 14714.2/72

In: 557.457+/-1.439 χ^2/NDF:8795.1/56

Out: 567.977+/-1.345 χ^2/NDF:13477.8/63

All: 563.073+/-0.983 χ^2/NDF: 22301.4/120



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

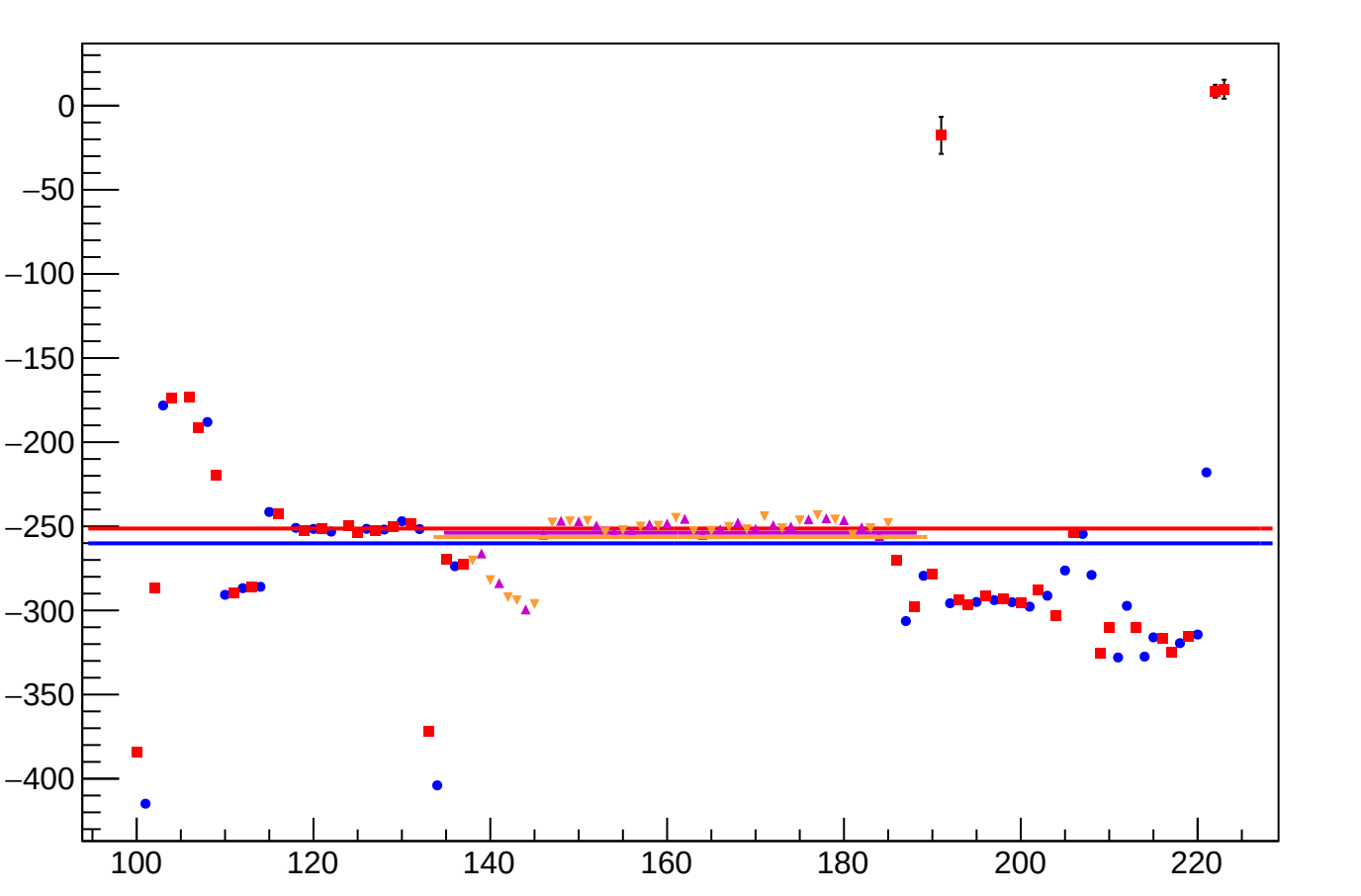
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 99.991+/-1.875 χ^2/NDF: 1919.3/72

In: 128.554+/-1.446 χ^2/NDF:1725.2/56

Out: 123.627+/-1.388 χ^2/NDF:2086.8/63

All: 125.991+/-1.001 χ^2/NDF: 3818.0/120



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

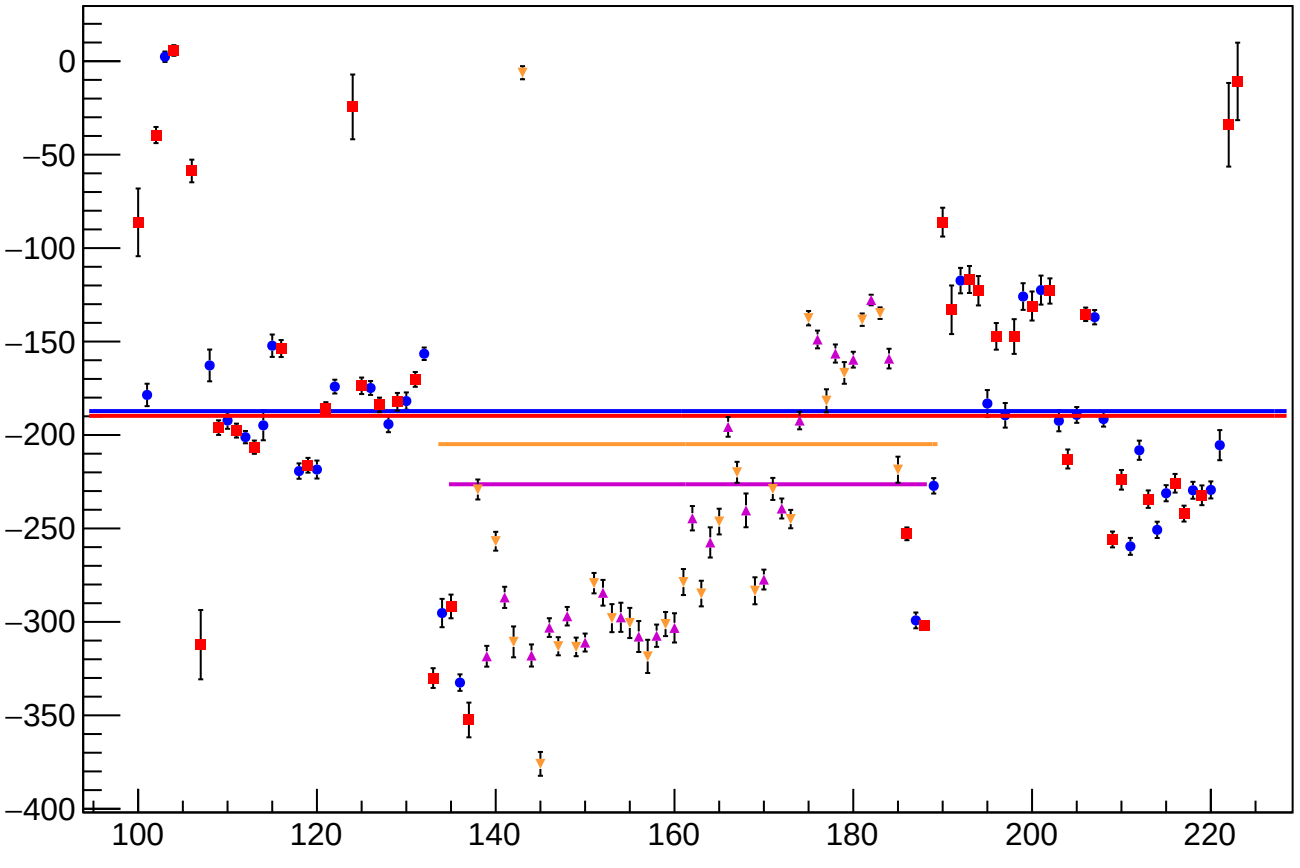
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -255.575+/-0.092 χ^2/NDF: 384653.4/72

In: -255.452+/-0.067 χ^2/NDF:237276.2/56

Out: -254.997+/-0.066 χ^2/NDF:211496.9/63

All: -255.221+/-0.047 χ^2/NDF: 448796.5/120



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

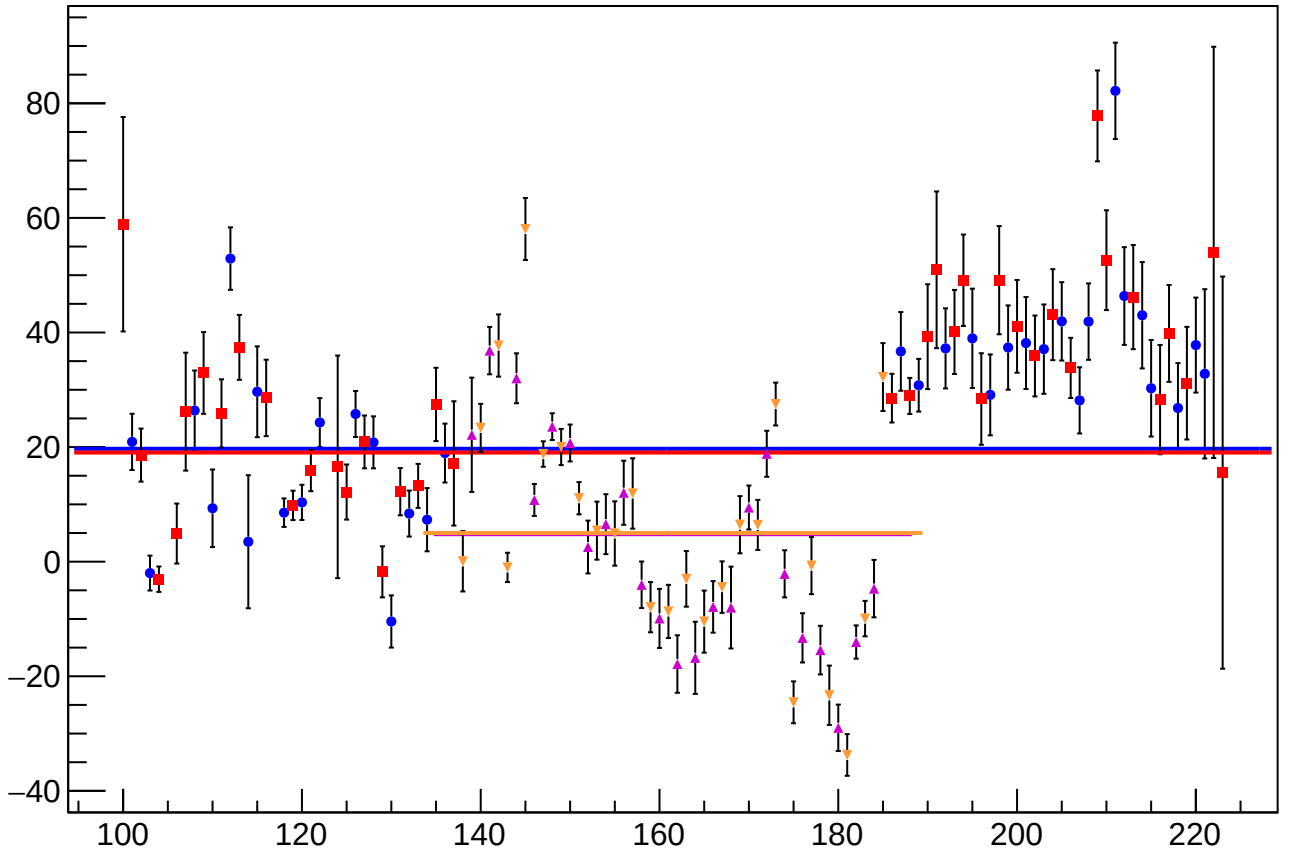
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -188.521+/-0.549 χ^2/NDF: 20639.3/72

In: -200.462+/-0.643 χ^2/NDF:13252.3/56

Out: -194.966+/-0.618 χ^2/NDF:20393.5/63

All: -197.604+/-0.445 χ^2/NDF: 33683.8/120



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

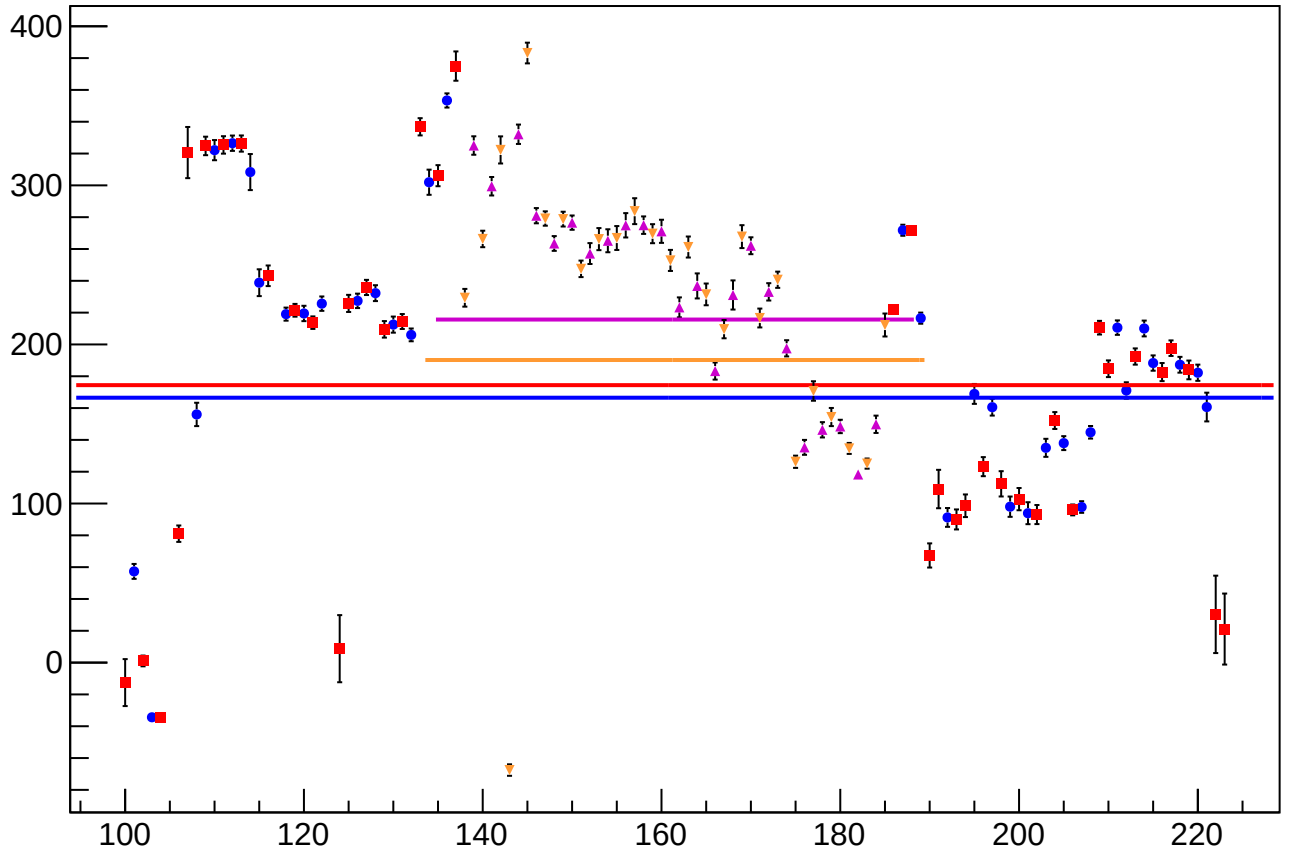
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 19.359+/-0.629 χ^2/NDF: 679.9/72

In: 11.686+/-0.621 χ^2/NDF:898.0/56

Out: 11.410+/-0.585 χ^2/NDF:1042.6/63

All: 11.540+/-0.426 χ^2/NDF: 1940.7/120



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

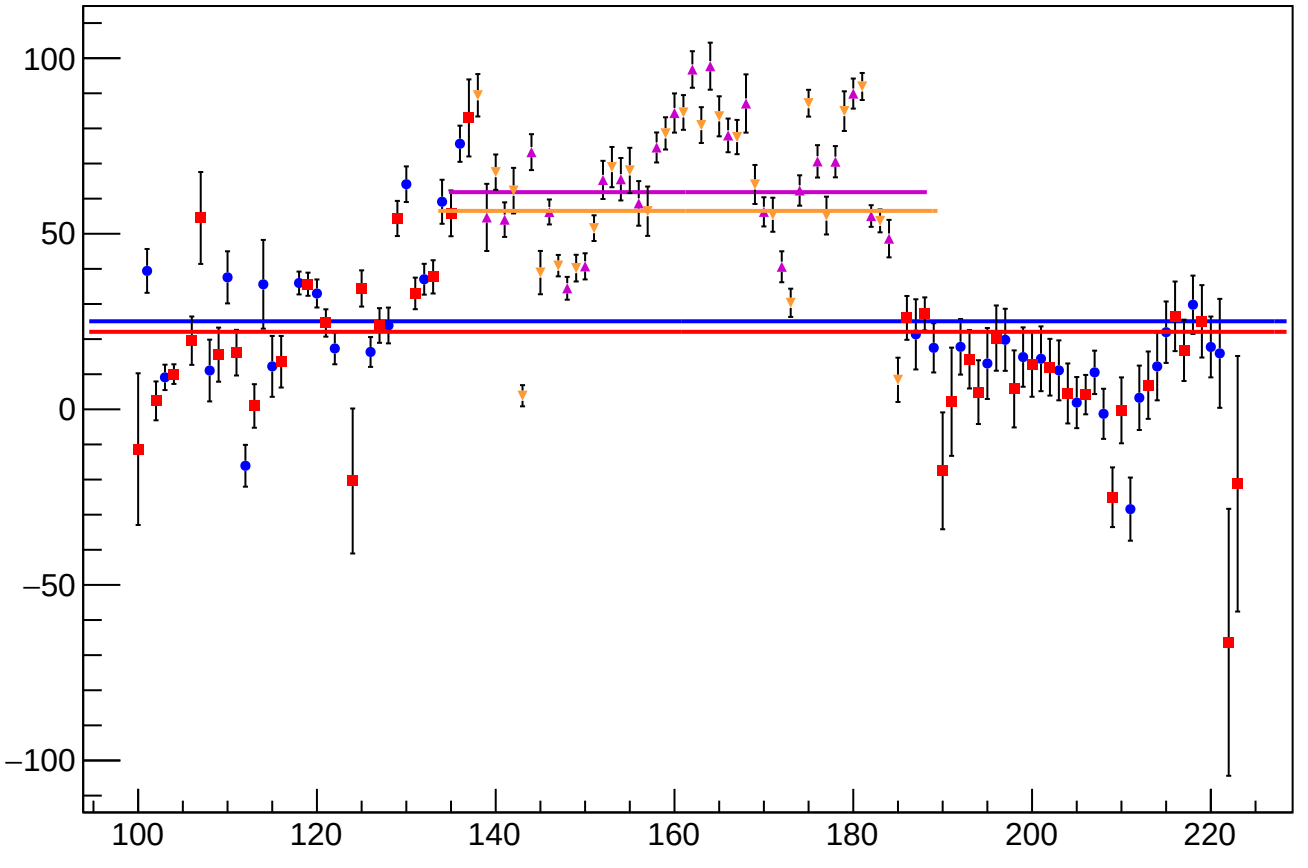
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 170.718+/-0.549 χ^2/NDF: 37797.3/72

In: 183.601+/-0.648 χ^2/NDF:21362.9/56

Out: 179.774+/-0.611 χ^2/NDF:31107.9/63

All: 181.578+/-0.445 χ^2/NDF: 52489.3/120



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

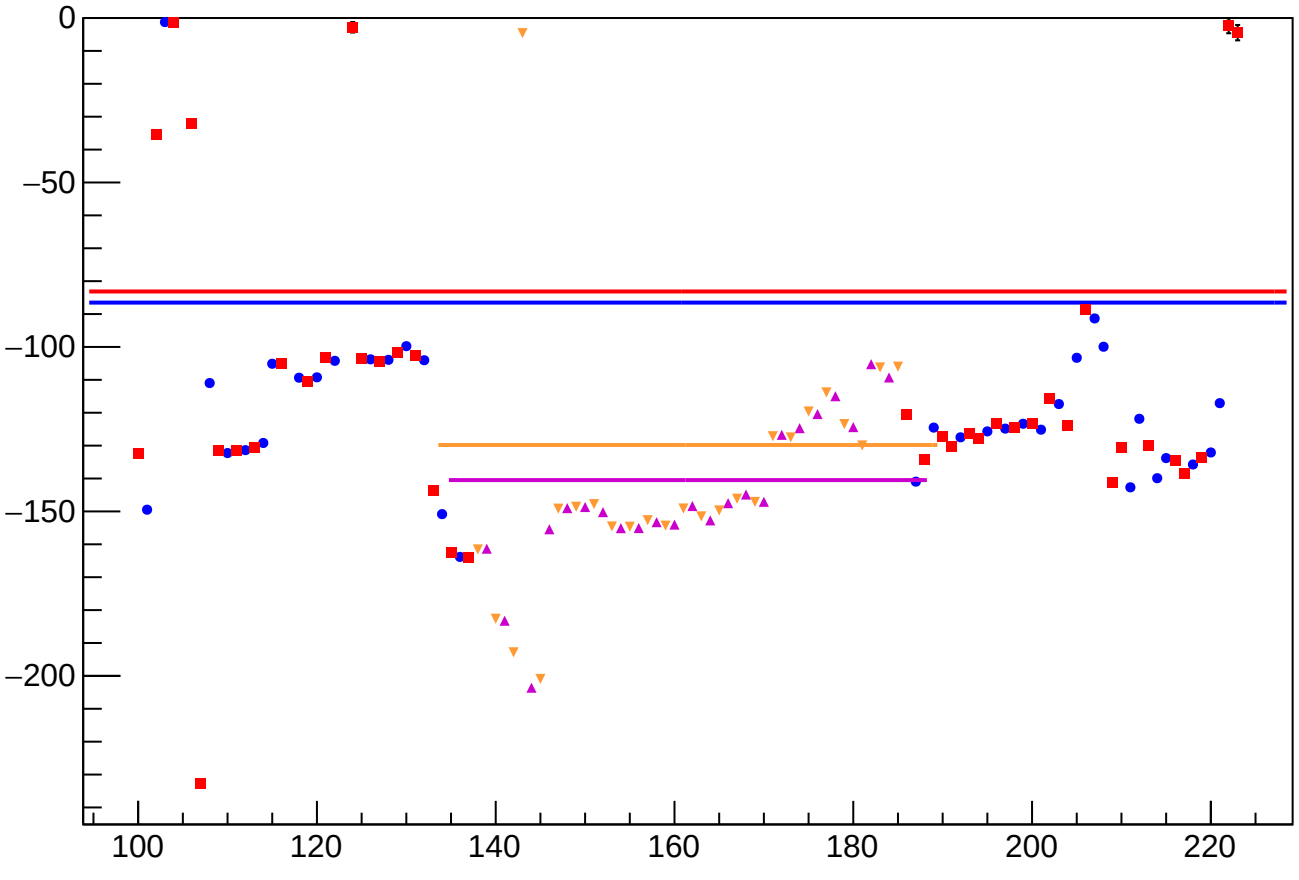
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.527+/-0.738 χ^2/NDF: 659.5/72

In: 45.266+/-0.712 χ^2/NDF:1359.2/56

Out: 41.394+/-0.681 χ^2/NDF:1705.7/63

All: 43.242+/-0.492 χ^2/NDF: 3080.3/120



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

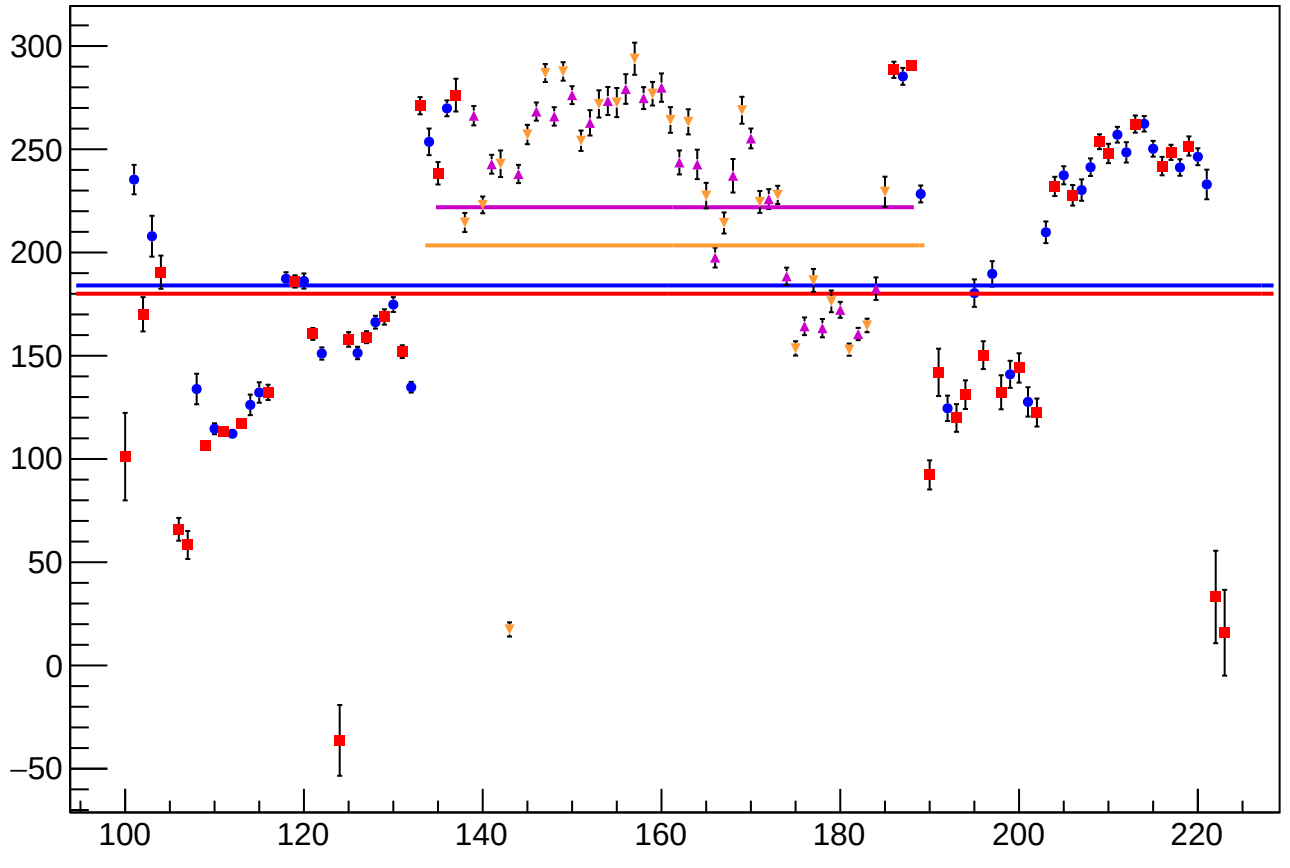
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -84.786+/-0.035 χ^2/NDF: 2705433.2/72

In: -116.842+/-0.033 χ^2/NDF:2294153.4/56

Out: -109.613+/-0.032 χ^2/NDF:2887716.6/63

All: -113.118+/-0.023 χ^2/NDF: 5206993.6/12



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

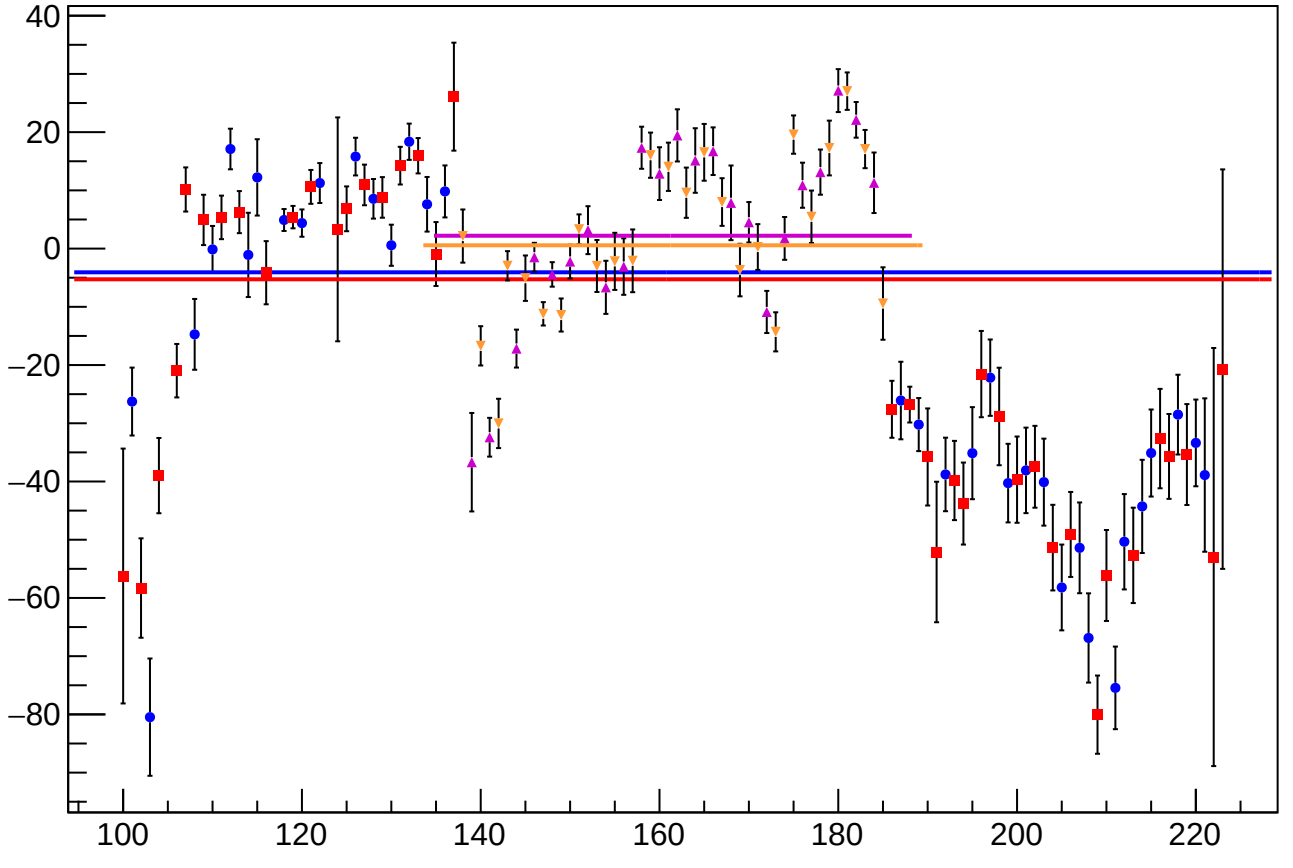
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 181.953+/-0.473 χ^2/NDF: 17253.7/72

In: 196.084+/-0.565 χ^2/NDF:9546.7/56

Out: 187.551+/-0.540 χ^2/NDF:16550.6/63

All: 191.619+/-0.390 χ^2/NDF: 26216.4/120



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

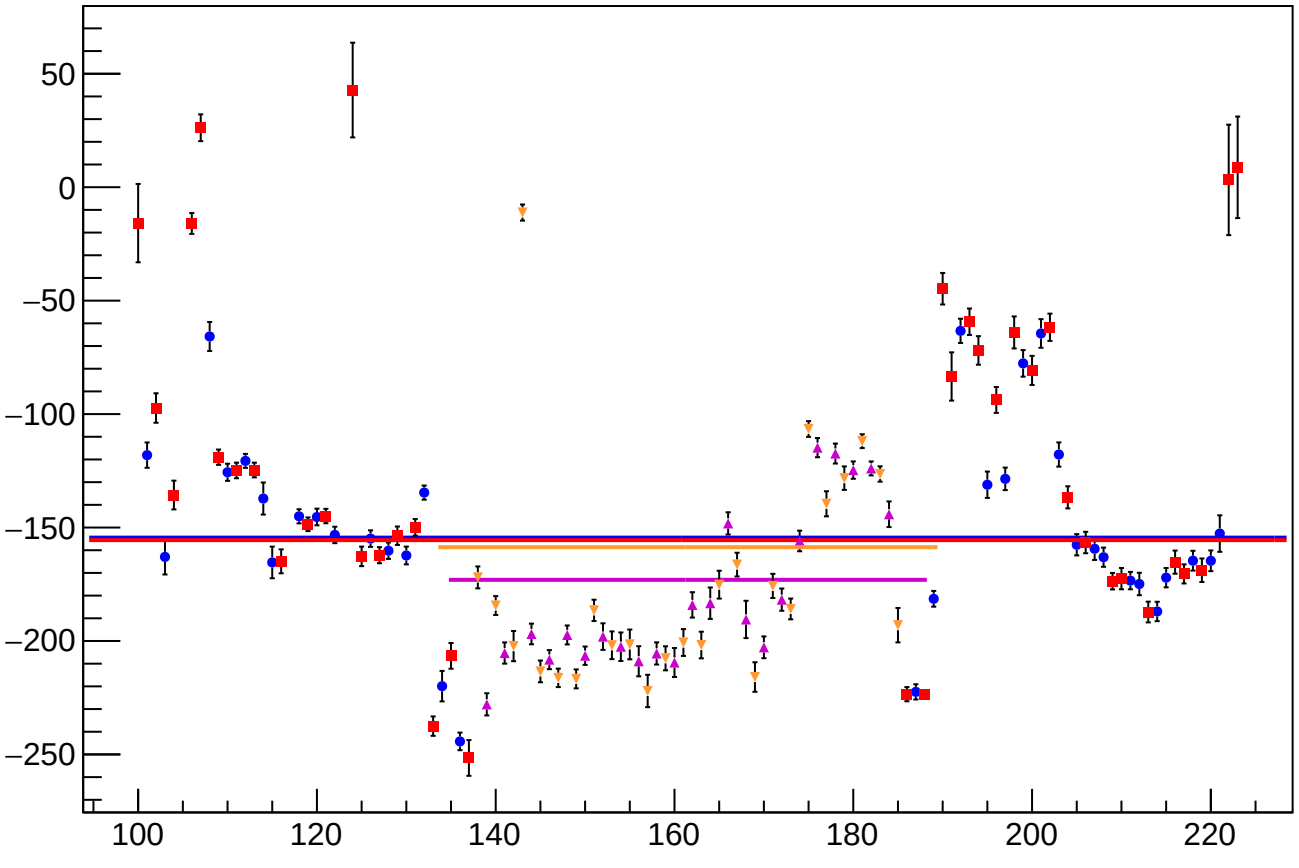
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -4.683+/-0.550 χ^2/NDF: 1692.1/72

In: -0.829+/-0.546 χ^2/NDF:1226.8/56

Out: -2.135+/-0.524 χ^2/NDF:1231.6/63

All: -1.509+/-0.378 χ^2/NDF: 2461.3/120



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

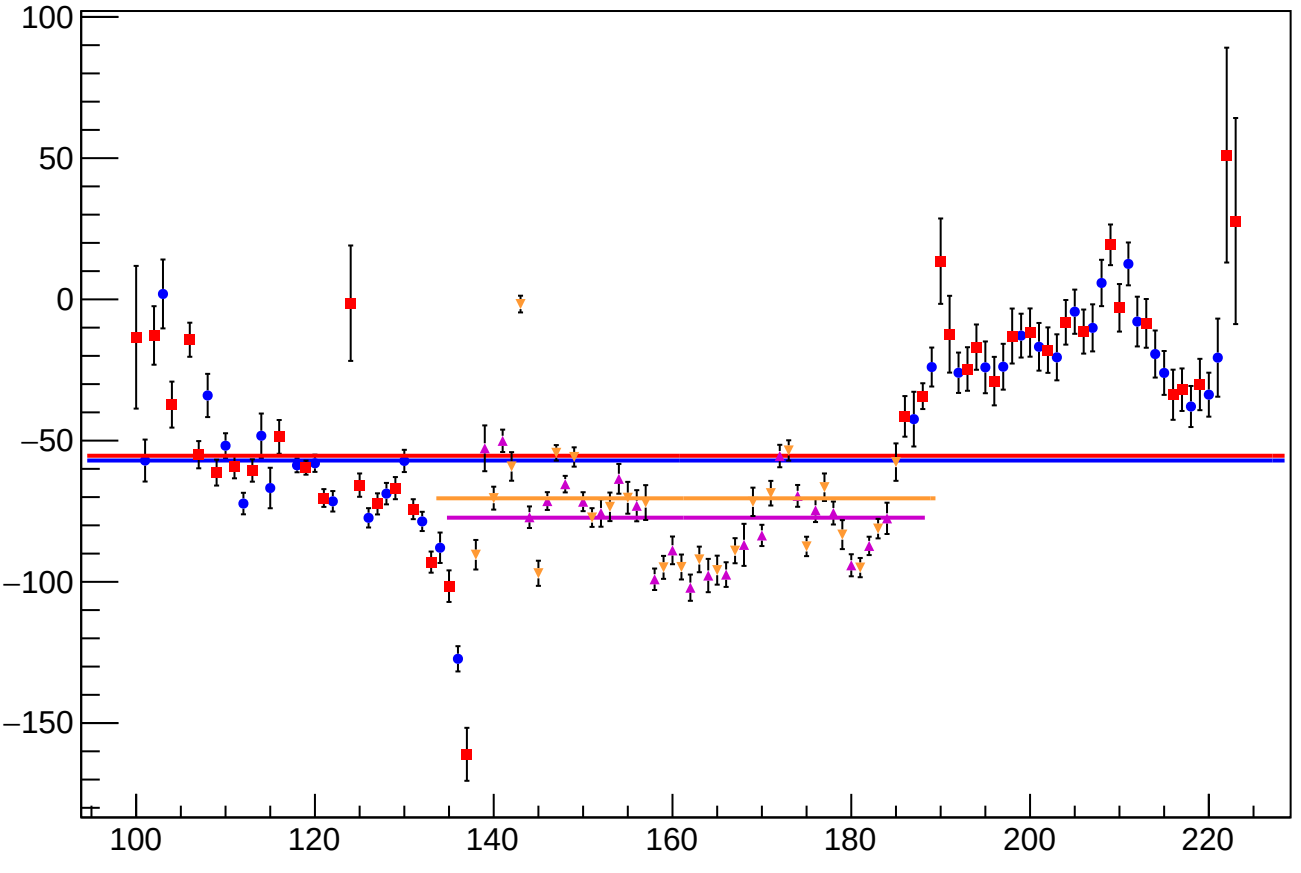
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -155.032+/-0.512 χ^2/NDF: 9113.2/72

In: -161.142+/-0.597 χ^2/NDF:4102.2/56

Out: -156.652+/-0.566 χ^2/NDF:10131.7/63

All: -158.776+/-0.411 χ^2/NDF: 14263.6/120



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

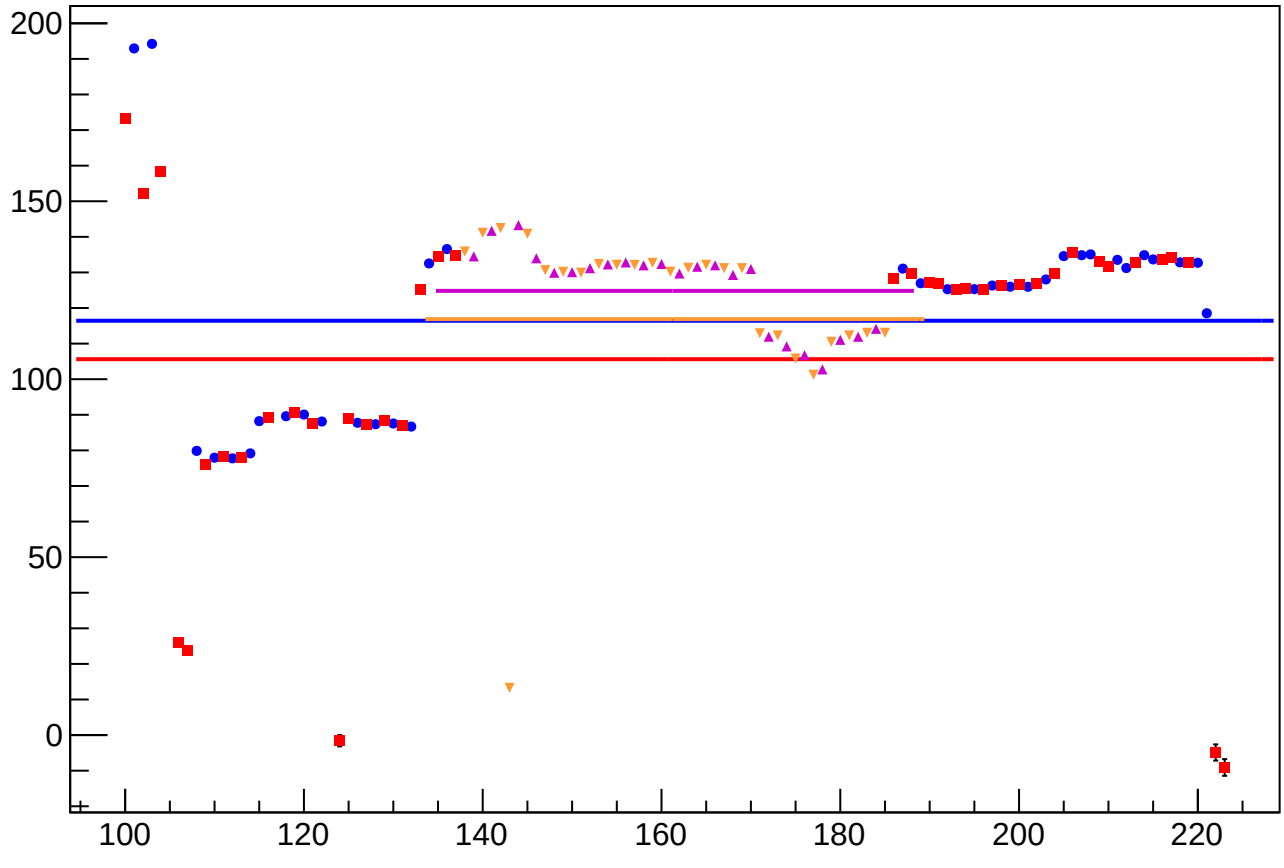
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -56.191+/-0.639 χ^2/NDF: 1815.6/72

In: -67.668+/-0.627 χ^2/NDF:1407.2/56

Out: -63.564+/-0.606 χ^2/NDF:1975.7/63

All: -65.546+/-0.436 χ^2/NDF: 3405.0/120



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

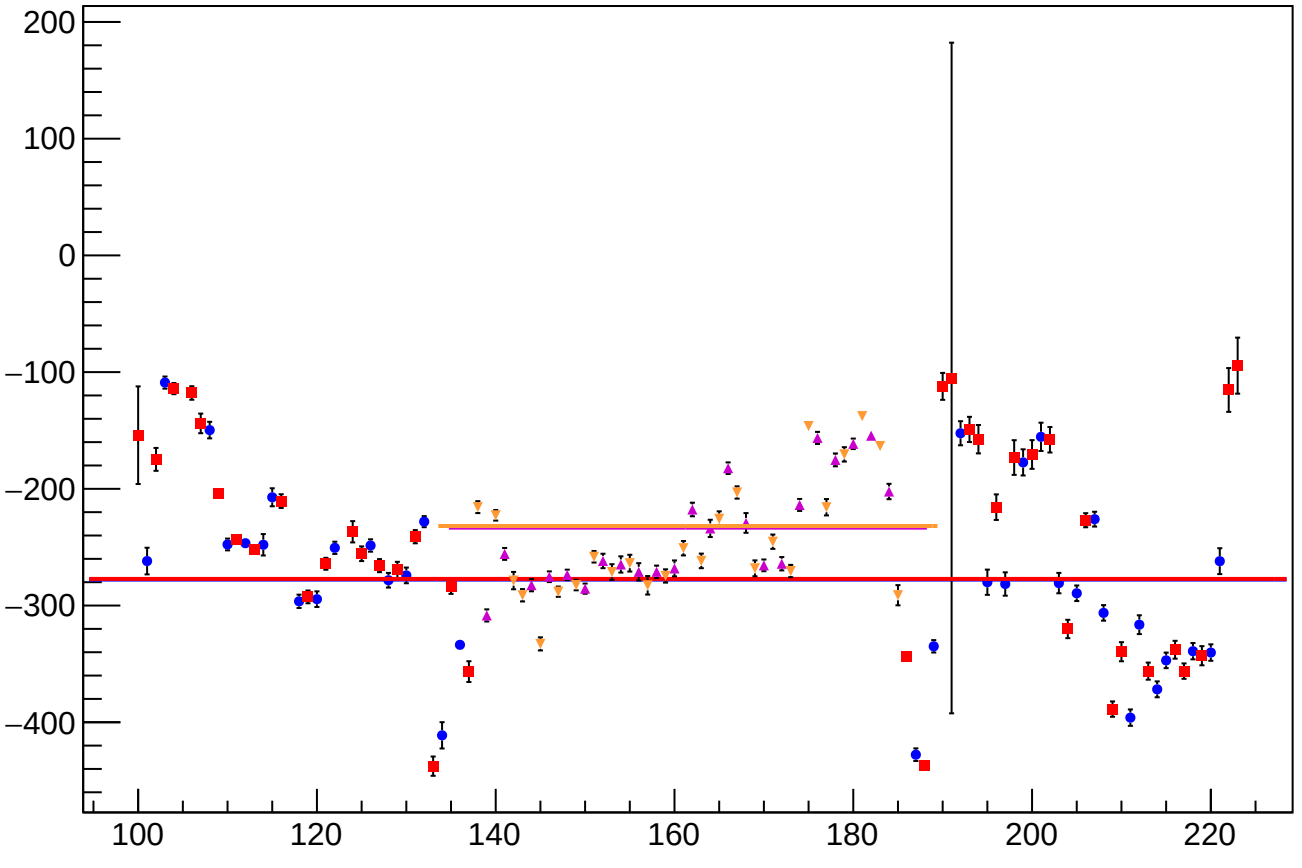
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.716+/-0.036 χ^2/NDF: 867561.1/72

In: 121.756+/-0.031 χ^2/NDF:397020.1/56

Out: 112.640+/-0.030 χ^2/NDF:1208390.0/63

All: 117.010+/-0.022 χ^2/NDF: 1649446.2/120



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

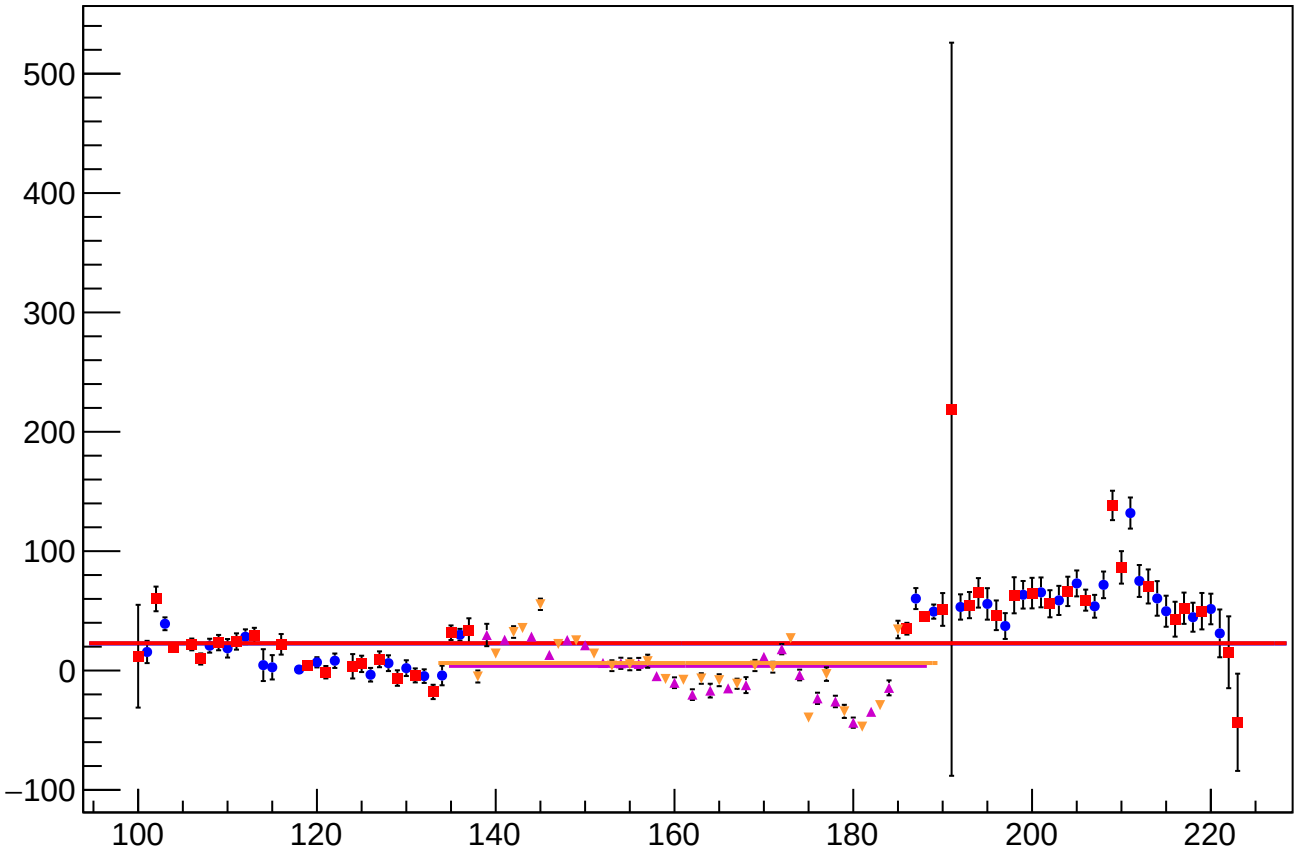
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -277.446+/-0.754 χ^2/NDF: 12602.7/72

In: -255.392+/-0.785 χ^2/NDF:7021.5/56

Out: -255.734+/-0.743 χ^2/NDF:12055.6/63

All: -255.572+/-0.540 χ^2/NDF: 19077.2/120



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

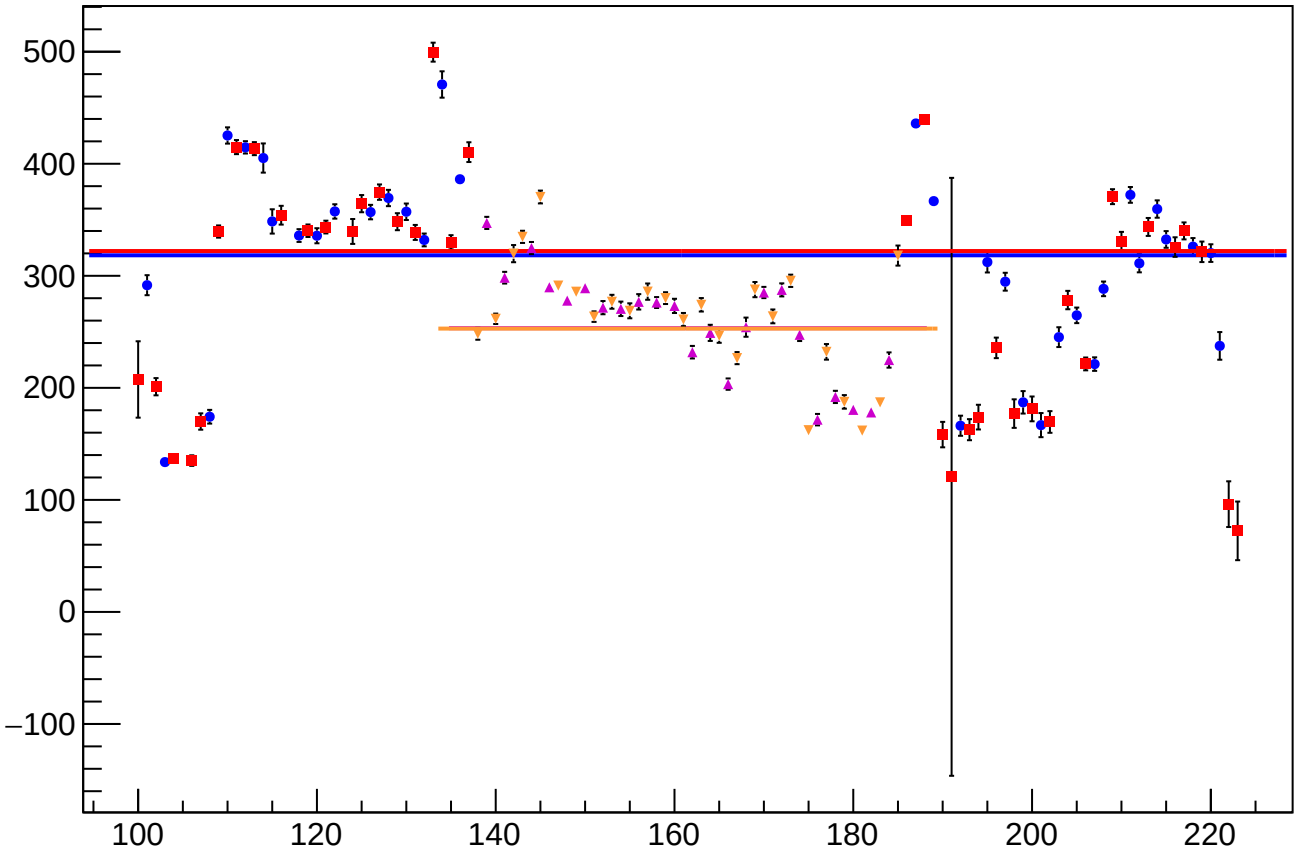
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 22.778+/-0.861 χ^2/NDF: 825.7/72

In: 9.351+/-0.689 χ^2/NDF:1196.2/56

Out: 11.508+/-0.653 χ^2/NDF:1442.8/63

All: 10.487+/-0.474 χ^2/NDF: 2644.2/120



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

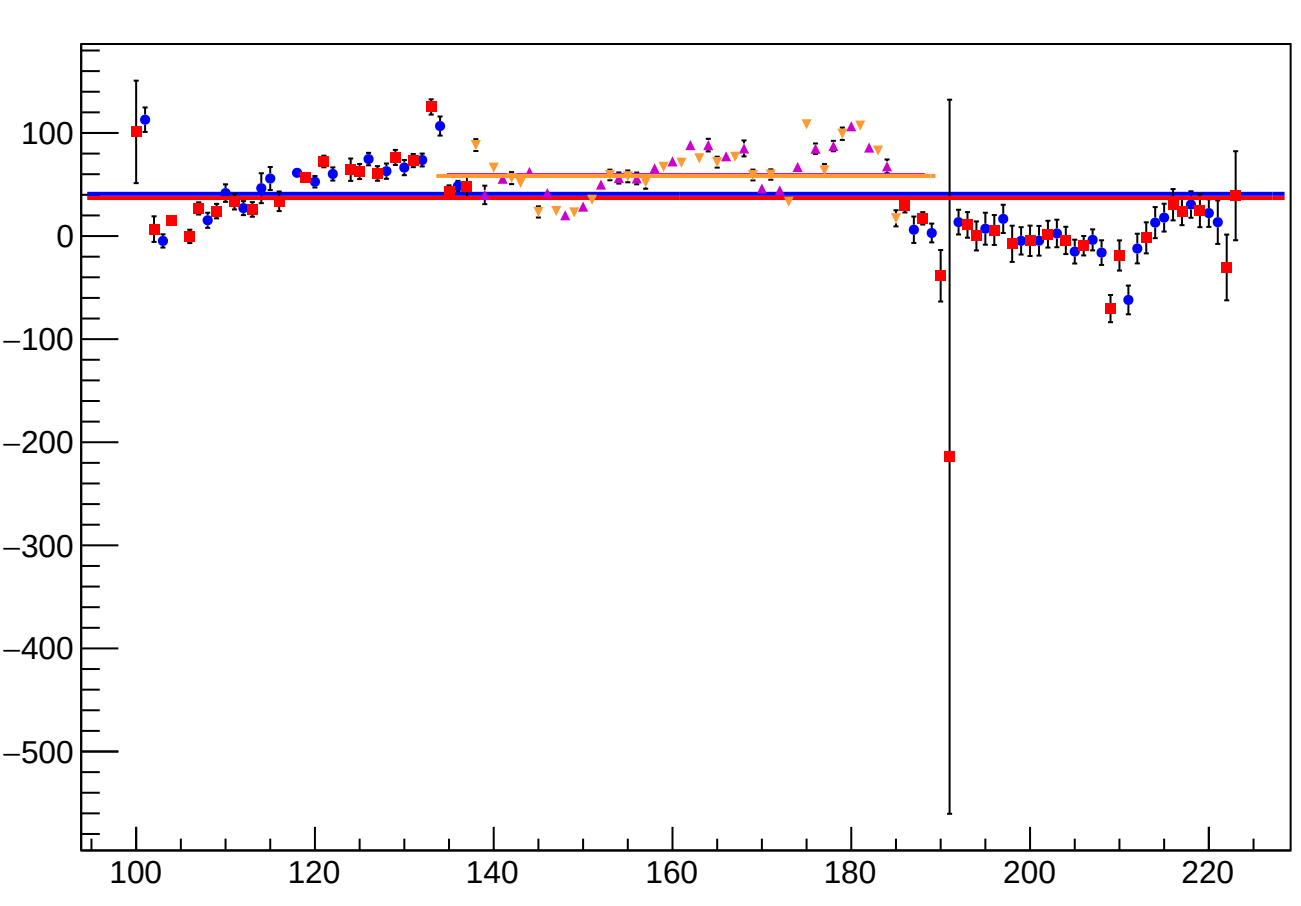
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 320.421+/-0.767 χ^2/NDF: 16201.3/72

In: 284.033+/-0.794 χ^2/NDF:9556.6/56

Out: 288.905+/-0.741 χ^2/NDF:15128.2/63

All: 286.635+/-0.542 χ^2/NDF: 24704.9/120



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

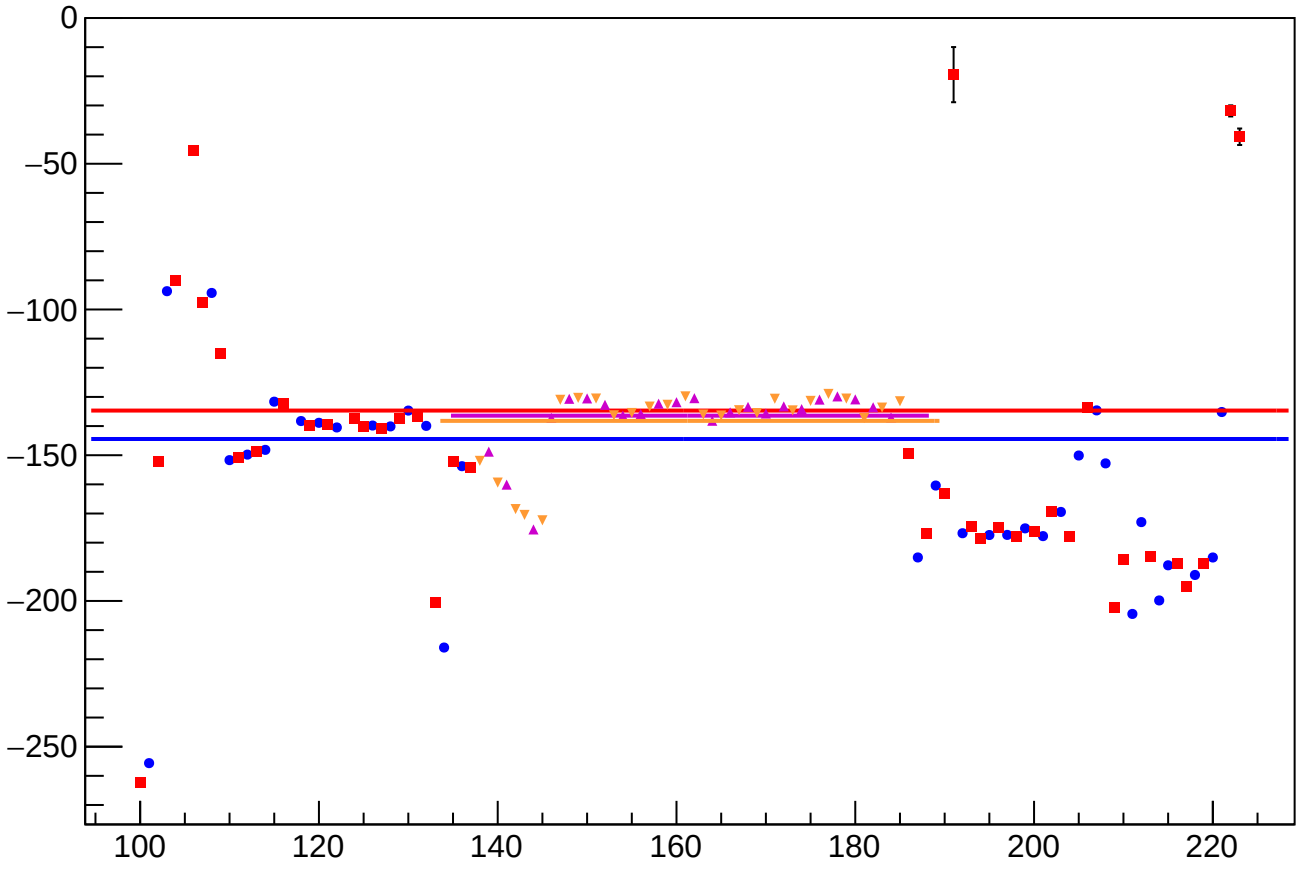
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 38.794+/-1.013 χ^2/NDF: 1036.7/72

In: 53.952+/-0.793 χ^2/NDF:1223.5/56

Out: 51.850+/-0.762 χ^2/NDF:1565.6/63

All: 52.859+/-0.549 χ^2/NDF: 2792.8/120



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

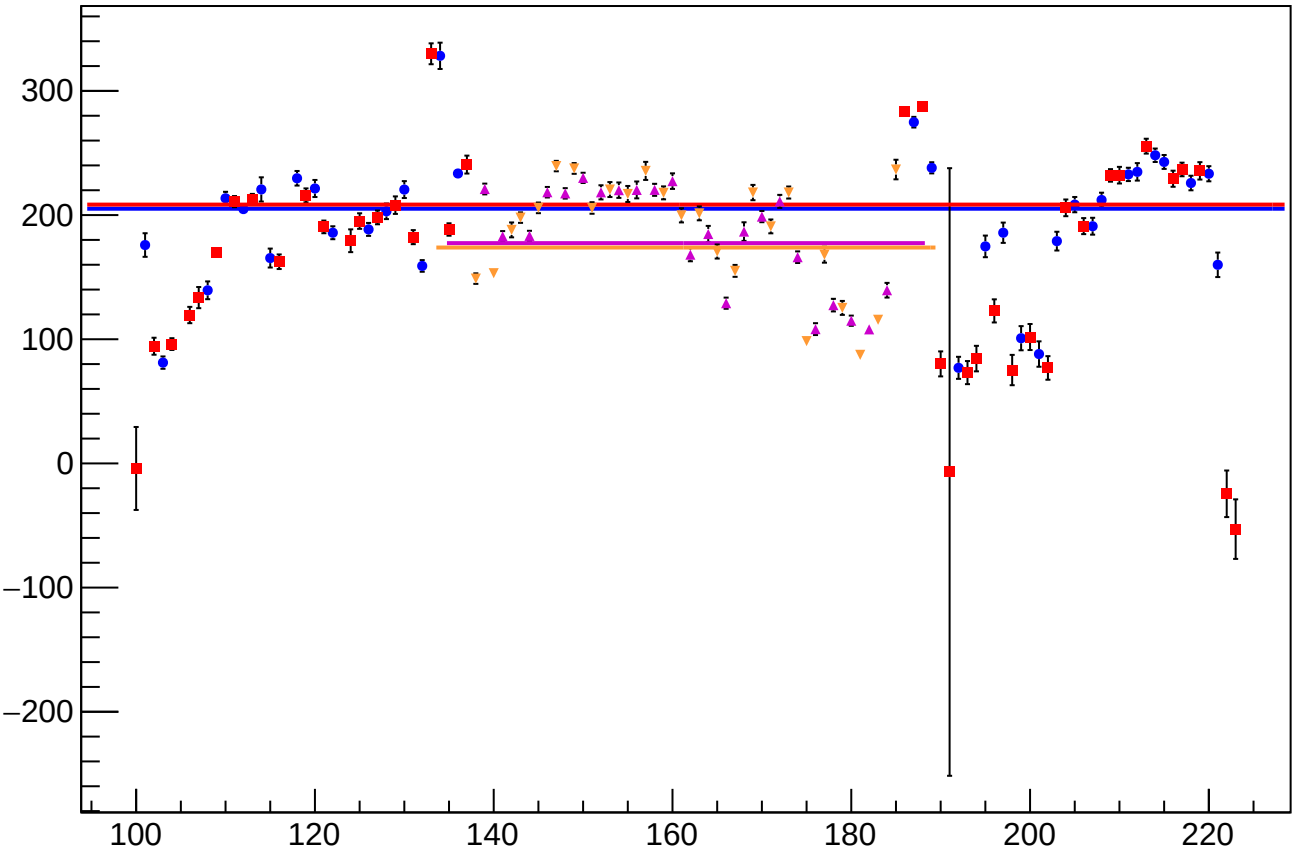
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -139.322+/-0.050 χ^2/NDF: 644619.9/72

In: -138.484+/-0.037 χ^2/NDF:320935.0/56

Out: -137.255+/-0.036 χ^2/NDF:456772.3/63

All: -137.858+/-0.026 χ^2/NDF: 778271.0/120



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

Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

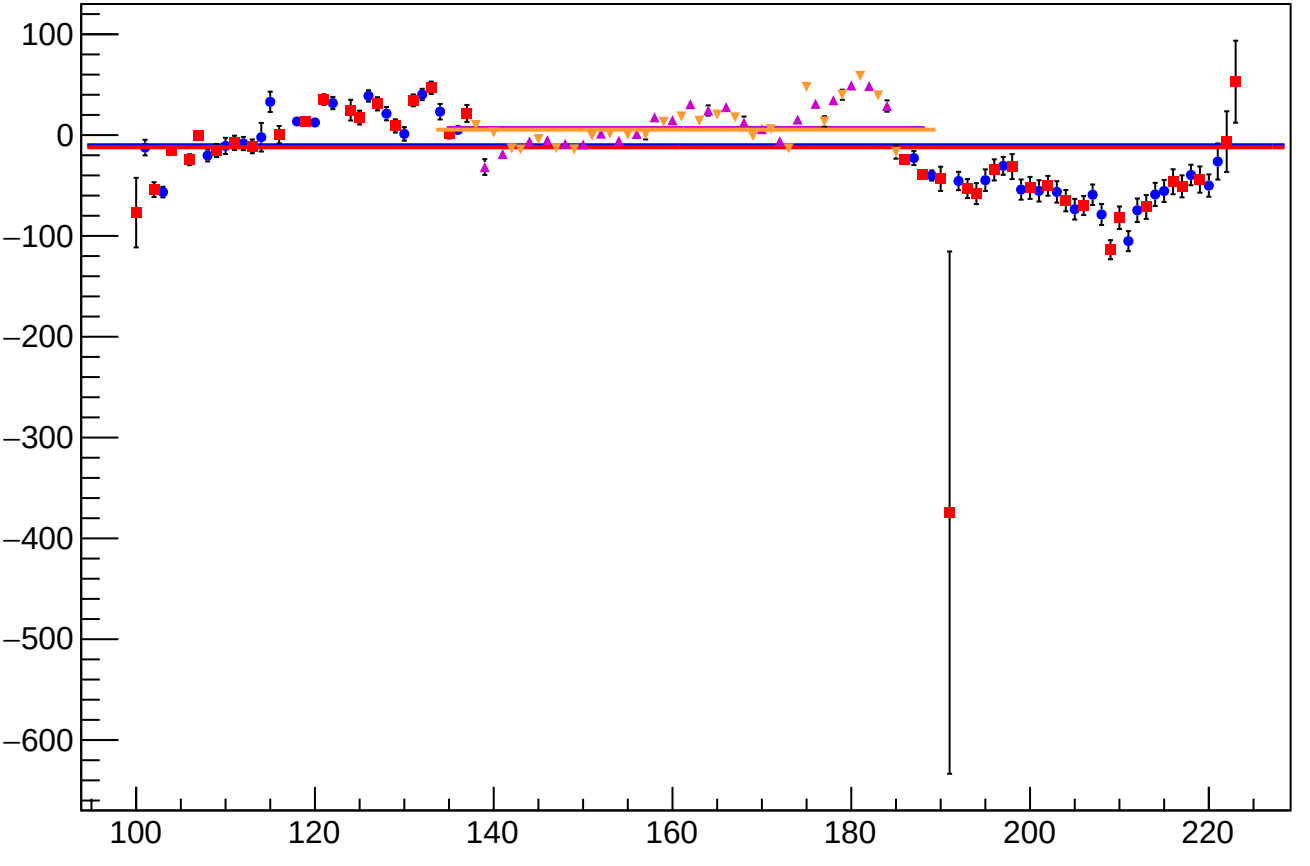
Right: 206.912+/-0.695 χ^2/NDF: 6749.3/72

In: 190.859+/-0.714 χ^2/NDF:4450.1/56

Out: 191.468+/-0.674 χ^2/NDF:7918.0/63

All: 191.181+/-0.490 χ^2/NDF: 12368.5/120

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

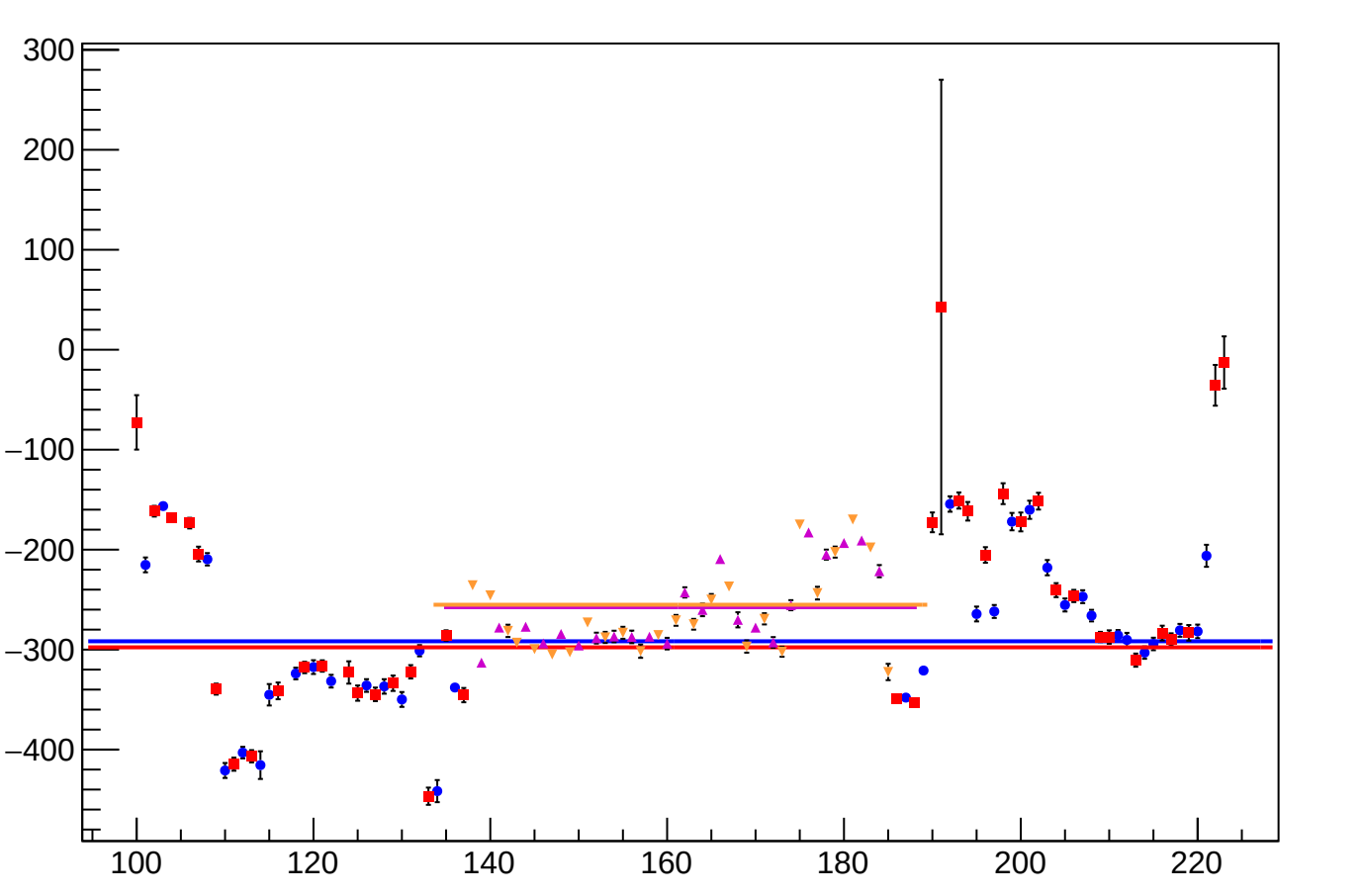
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -11.180+/-0.815 χ^2/NDF: 1726.1/72

In: 2.382+/-0.632 χ^2/NDF:1699.5/56

Out: 0.241+/-0.597 χ^2/NDF:1867.7/63

All: 1.251+/-0.434 χ^2/NDF: 3573.3/120



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

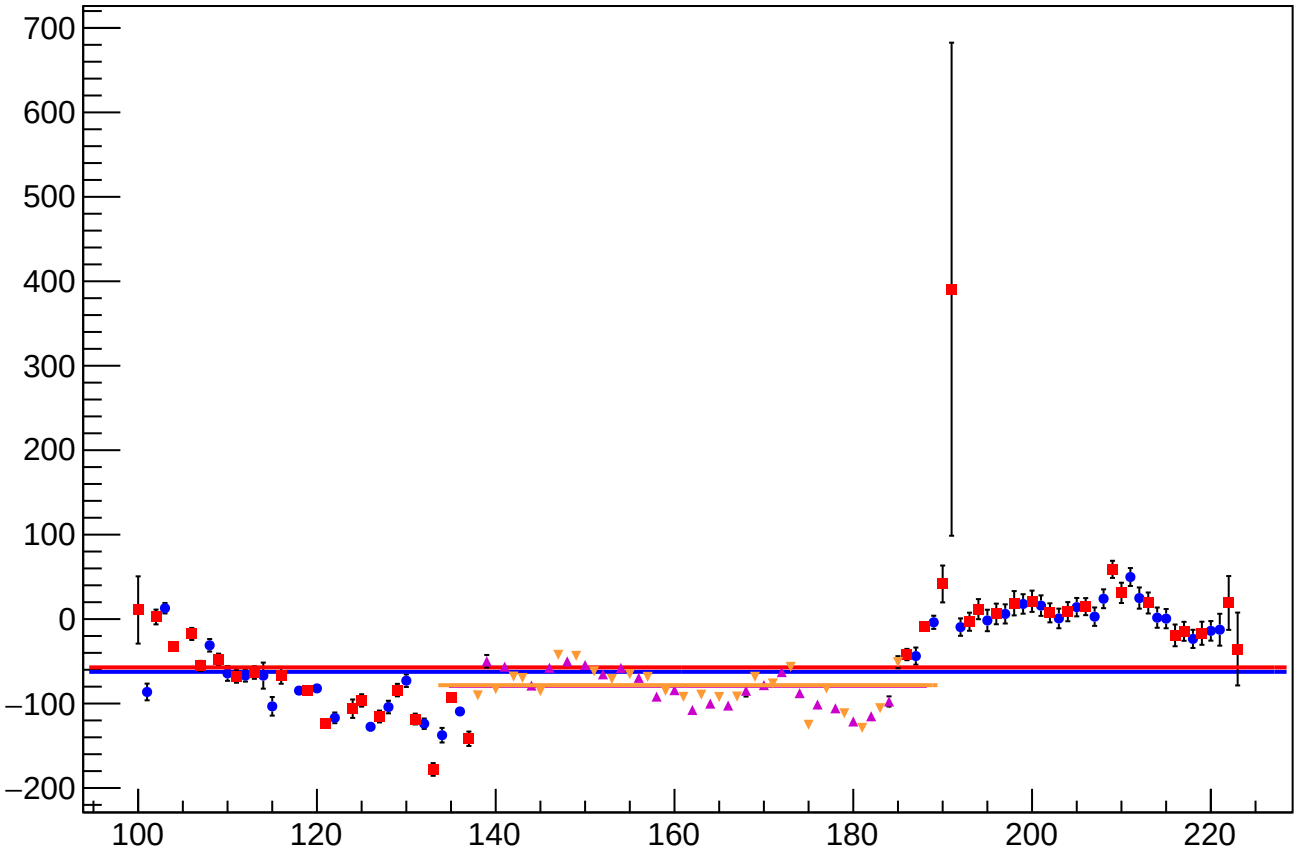
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -295.057+/-0.693 χ^2/NDF: 11201.8/72

In: -273.654+/-0.716 χ^2/NDF:6544.9/56

Out: -277.104+/-0.665 χ^2/NDF:10378.9/63

All: -275.506+/-0.487 χ^2/NDF: 16936.3/120



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

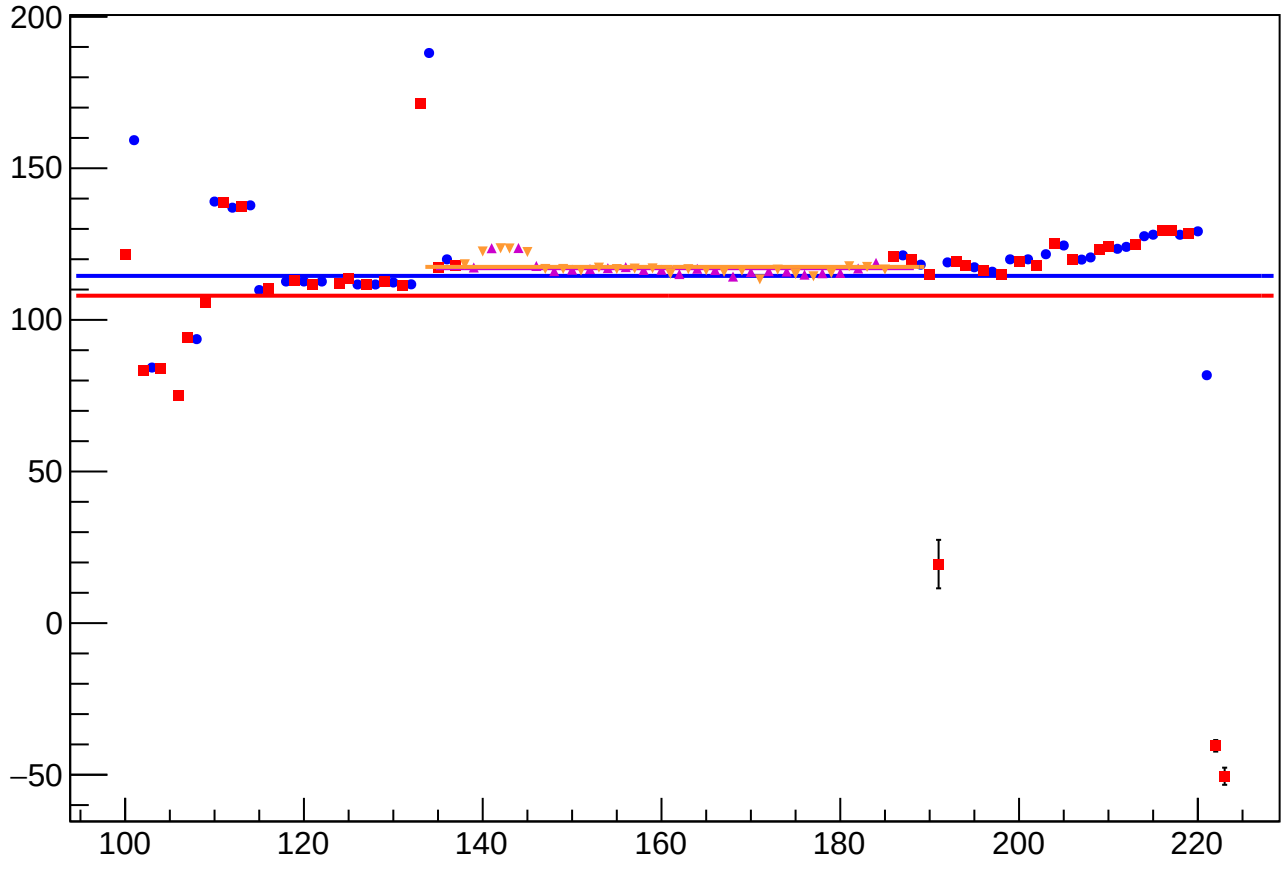
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -59.655+/-0.959 χ^2/NDF: 2995.5/72

In: -74.604+/-0.726 χ^2/NDF:2226.0/56

Out: -72.406+/-0.695 χ^2/NDF:2621.0/63

All: -73.457+/-0.502 χ^2/NDF: 4851.8/120



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

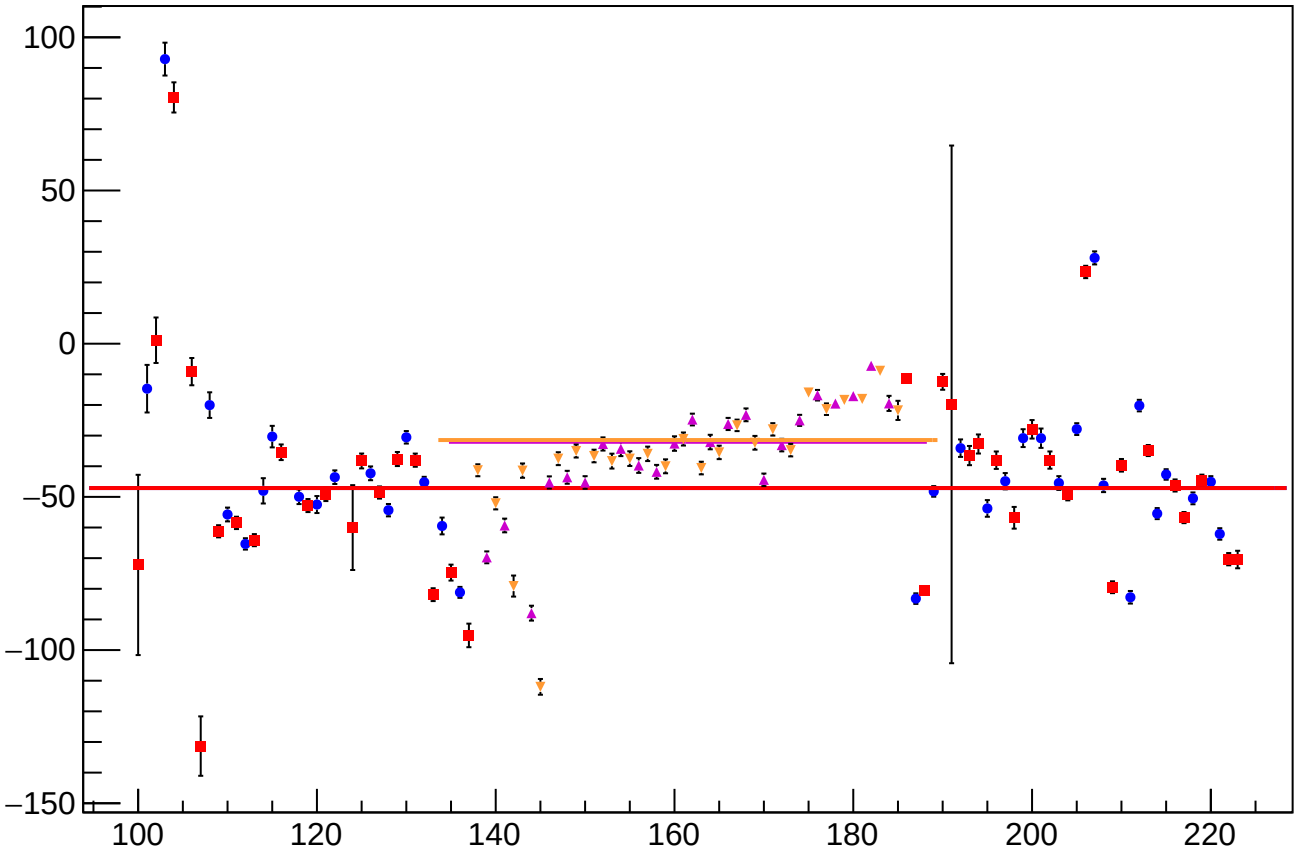
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 111.075+/-0.046 χ^2/NDF: 189479.0/72

In: 116.413+/-0.033 χ^2/NDF:95218.8/56

Out: 114.978+/-0.033 χ^2/NDF:114855.9/63

All: 115.678+/-0.023 χ^2/NDF: 211017.4/120



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

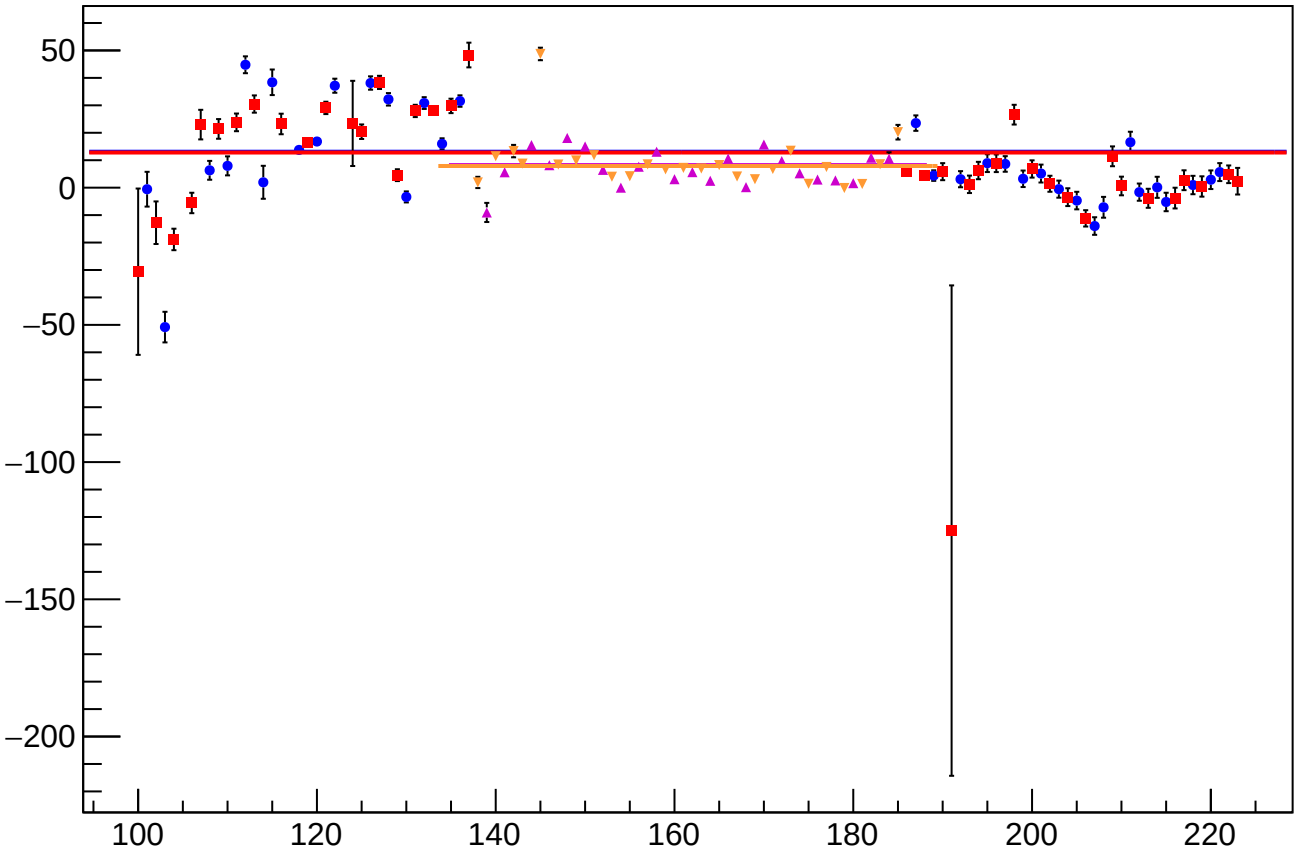
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -47.116+/-0.260 χ^2/NDF: 9804.4/72

In: -40.093+/-0.279 χ^2/NDF:6456.5/56

Out: -40.175+/-0.266 χ^2/NDF:8841.1/63

All: -40.136+/-0.192 χ^2/NDF: 15297.7/120



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

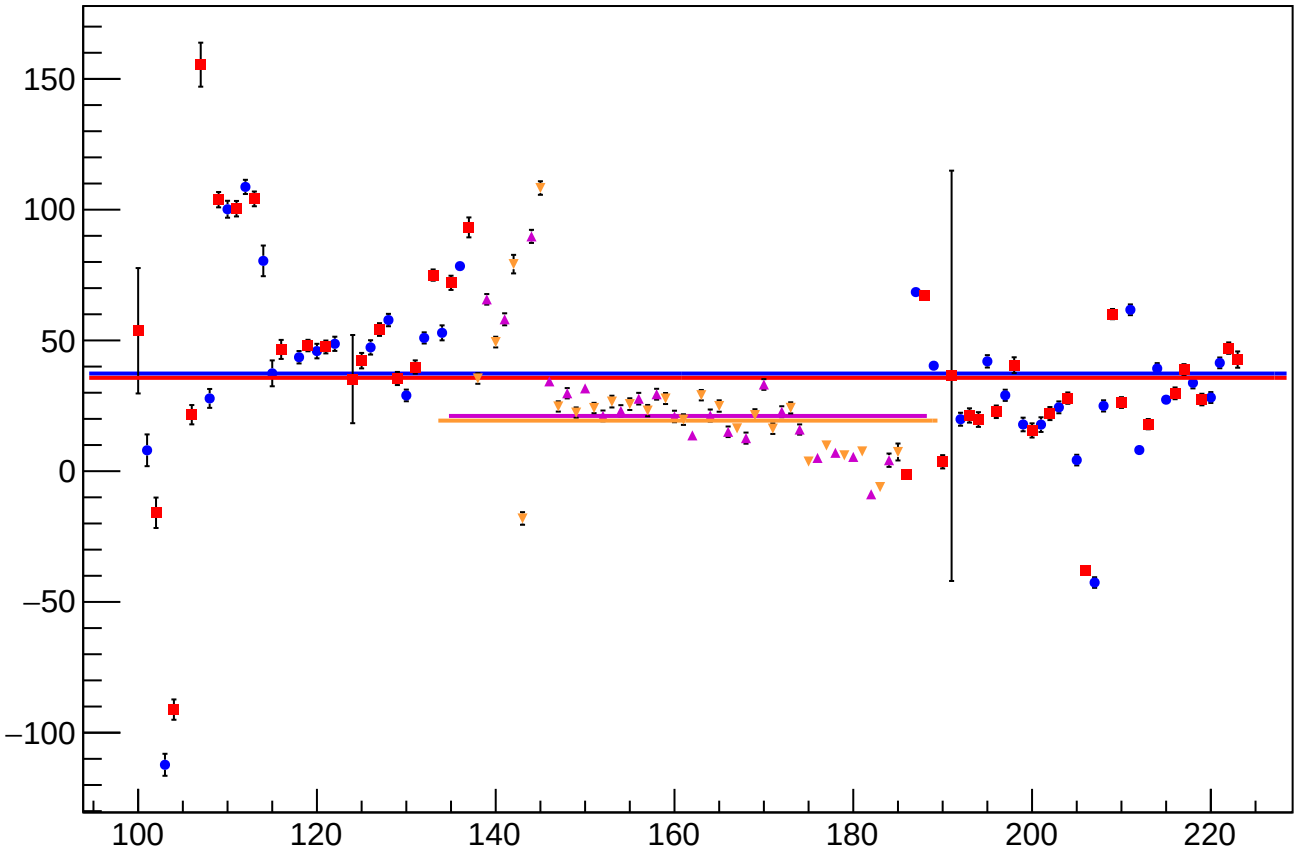
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 12.943+/-0.320 χ^2/NDF: 1981.8/72

In: 9.748+/-0.262 χ^2/NDF:1487.8/56

Out: 9.492+/-0.250 χ^2/NDF:1482.7/63

All: 9.614+/-0.181 χ^2/NDF: 2970.9/120



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

Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

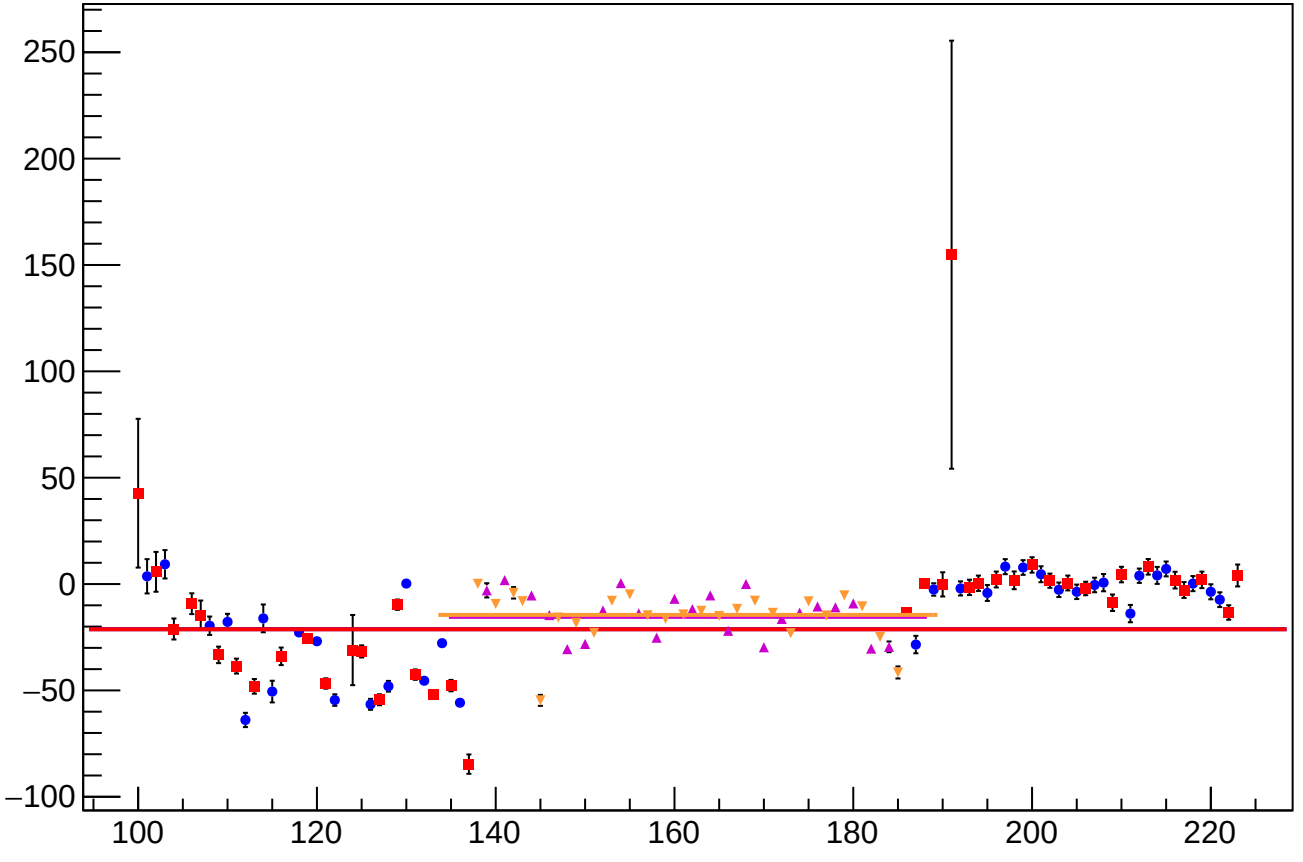
Right: 36.420+/-0.262 χ^2/NDF: 15545.2/72

In: 29.462+/-0.282 χ^2/NDF:9443.4/56

Out: 28.501+/-0.262 χ^2/NDF:13061.9/63

All: 28.947+/-0.192 χ^2/NDF: 22511.4/120

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

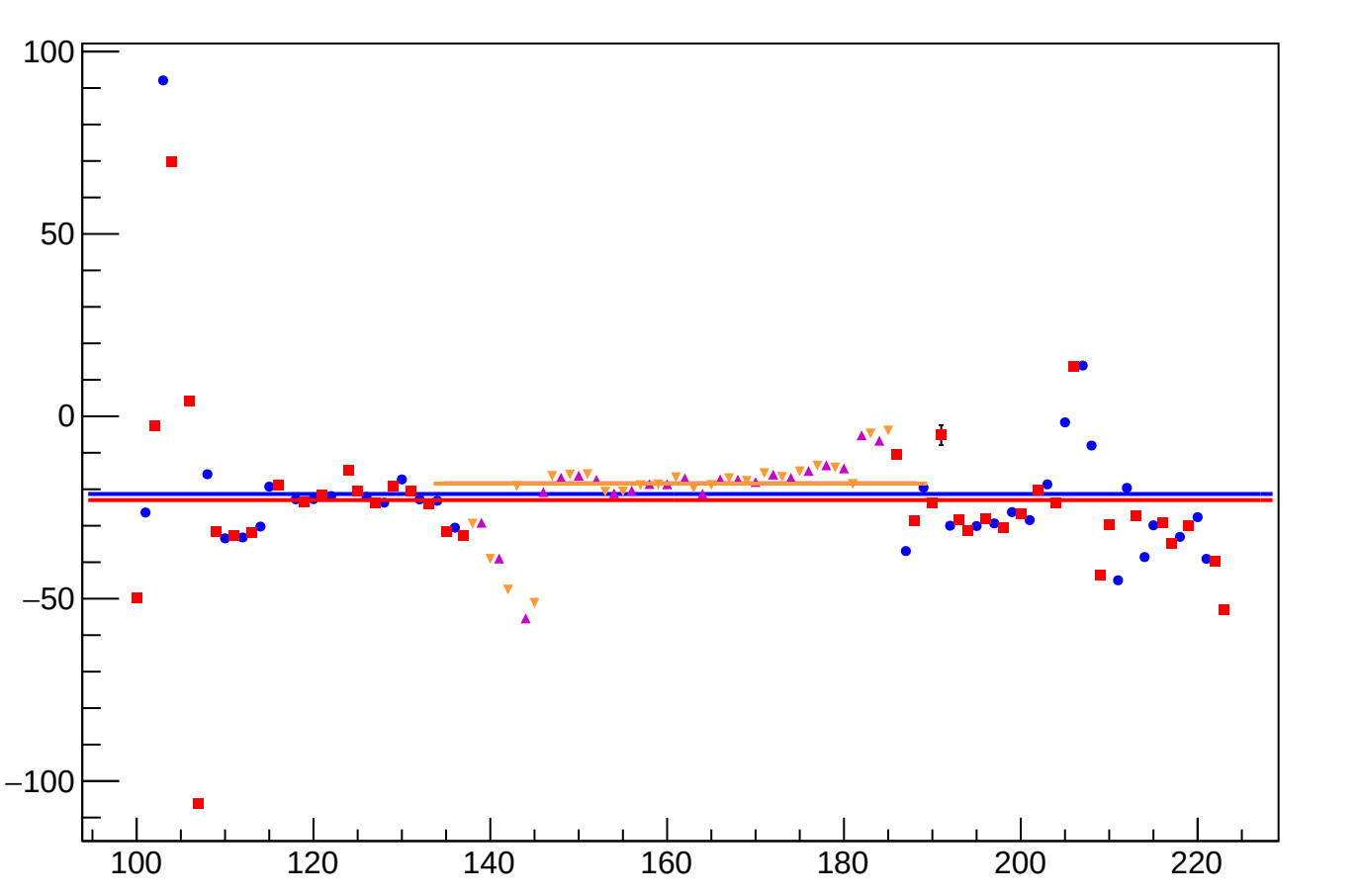
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -21.237+/-0.374 χ^2/NDF: 3606.7/72

In: -17.183+/-0.296 χ^2/NDF:2694.8/56

Out: -16.550+/-0.287 χ^2/NDF:2549.7/63

All: -16.856+/-0.206 χ^2/NDF: 5246.8/120



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

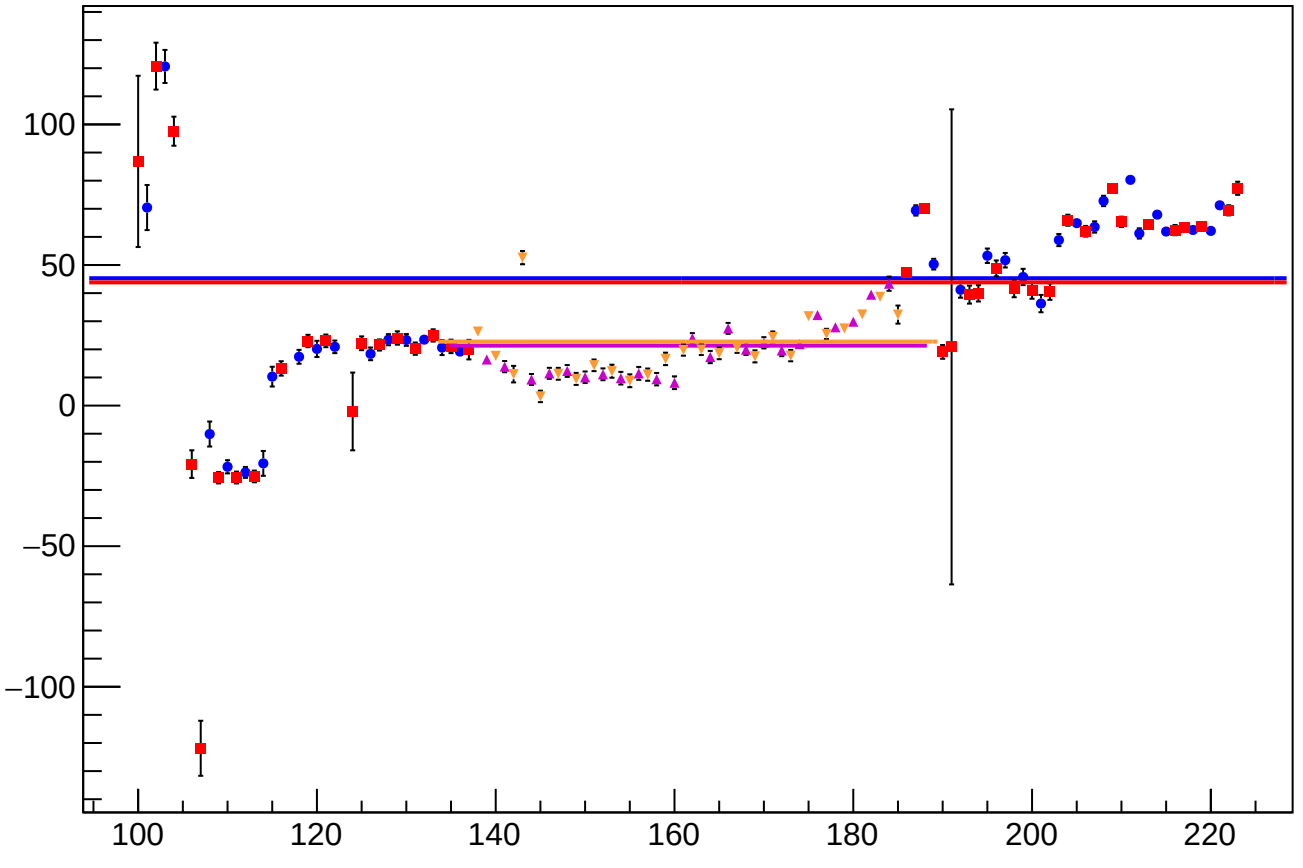
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -22.141+/-0.019 χ^2/NDF: 1100245.5/72

In: -19.145+/-0.014 χ^2/NDF:853119.8/56

Out: -19.623+/-0.013 χ^2/NDF:821652.8/63

All: -19.388+/-0.009 χ^2/NDF: 1675404.5/120



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

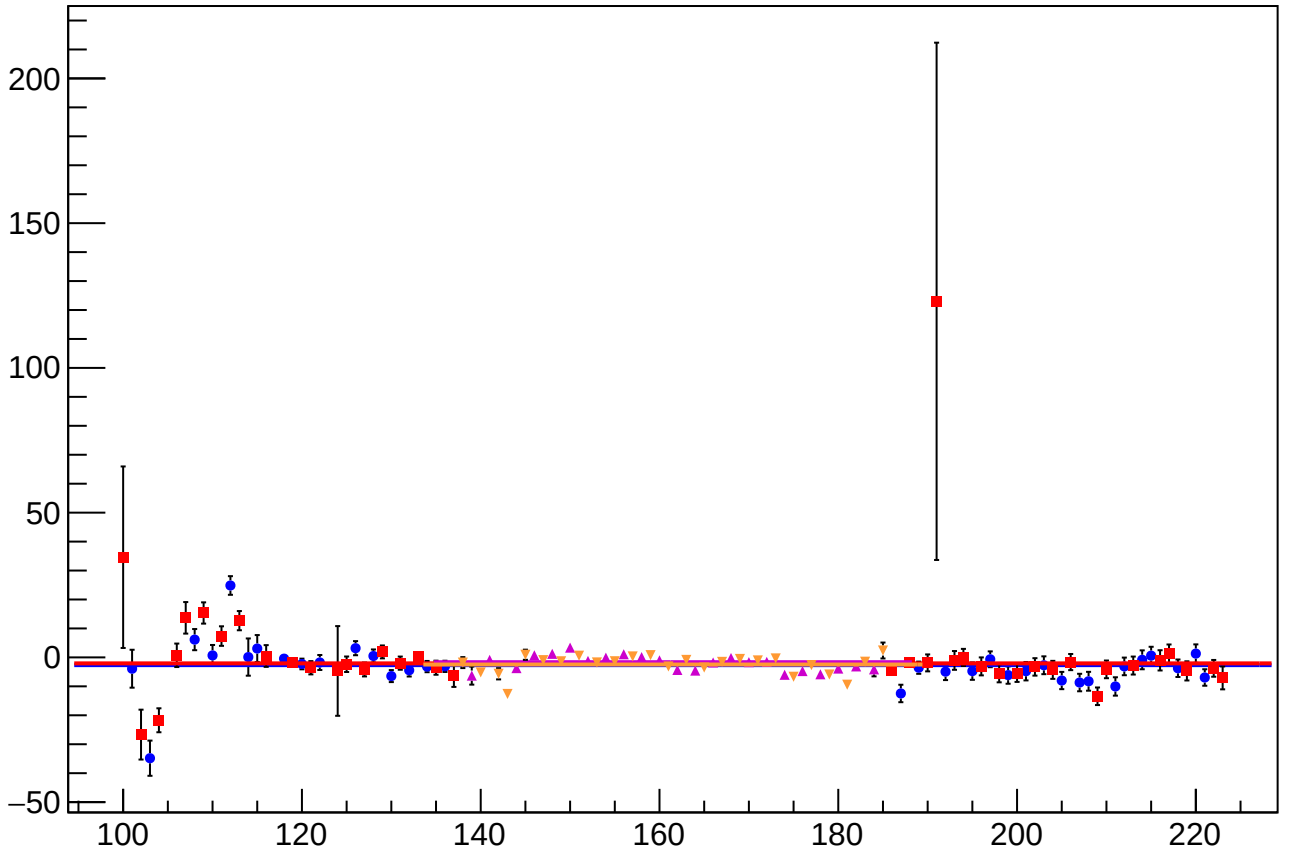
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 44.535+/-0.254 χ^2/NDF: 13251.6/72

In: 34.135+/-0.268 χ^2/NDF:8457.4/56

Out: 34.171+/-0.259 χ^2/NDF:9770.4/63

All: 34.154+/-0.186 χ^2/NDF: 18227.8/120



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

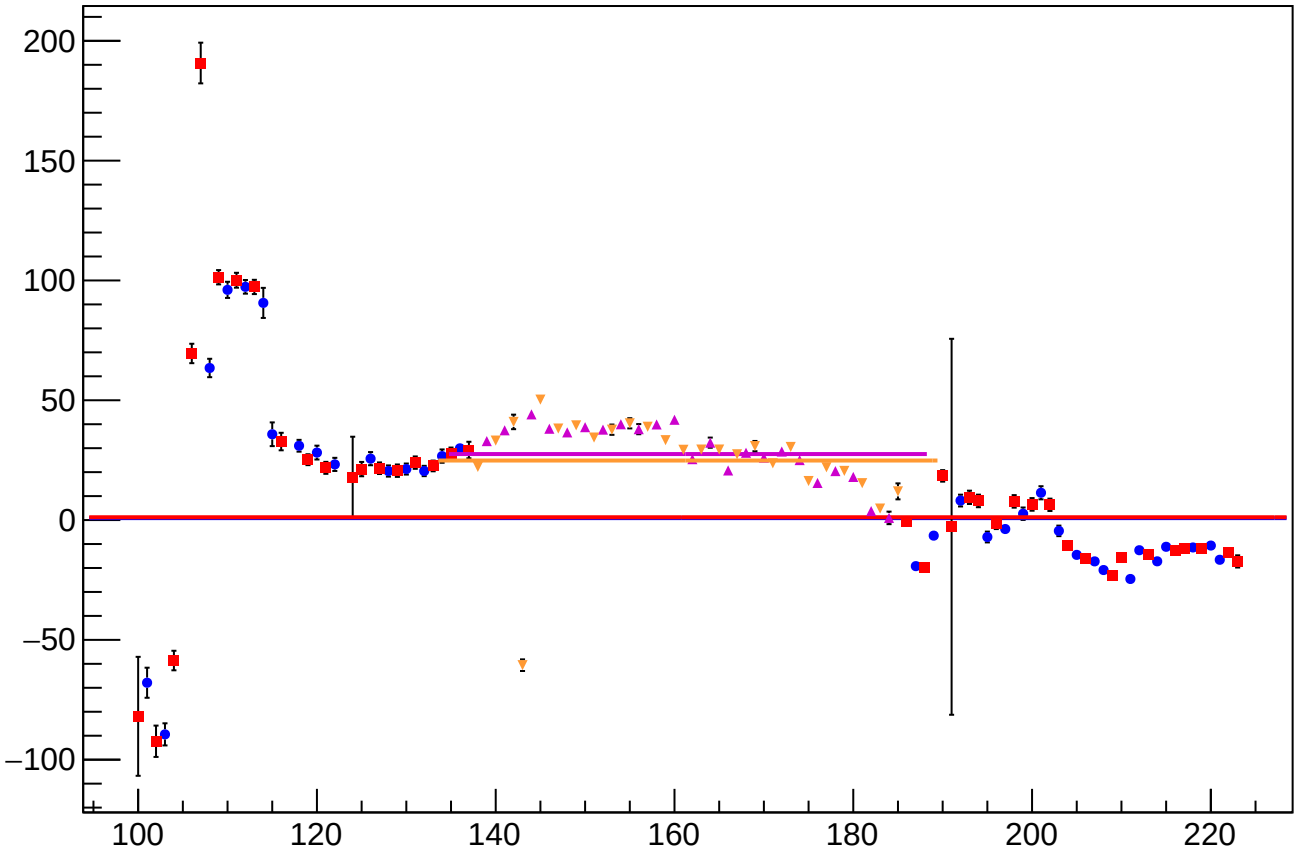
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.359+/-0.320 χ^2/NDF: 285.1/72

In: -1.966+/-0.254 χ^2/NDF:232.3/56

Out: -2.346+/-0.245 χ^2/NDF:242.7/63

All: -2.164+/-0.176 χ^2/NDF: 476.2/120



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

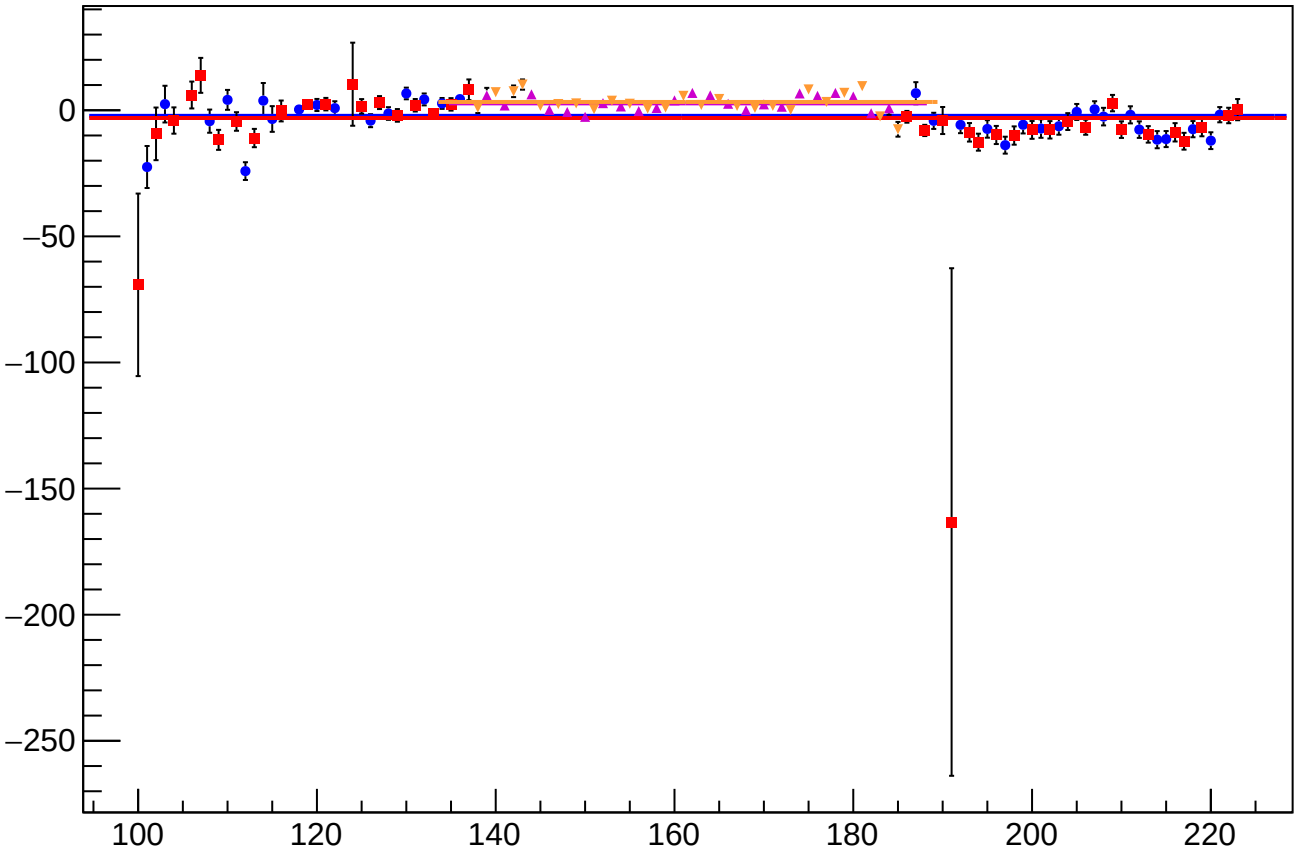
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 1.009+/-0.259 χ^2/NDF: 11706.8/72

In: 13.881+/-0.272 χ^2/NDF:8414.9/56

Out: 12.155+/-0.259 χ^2/NDF:10722.5/63

All: 12.975+/-0.187 χ^2/NDF: 19158.6/120



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

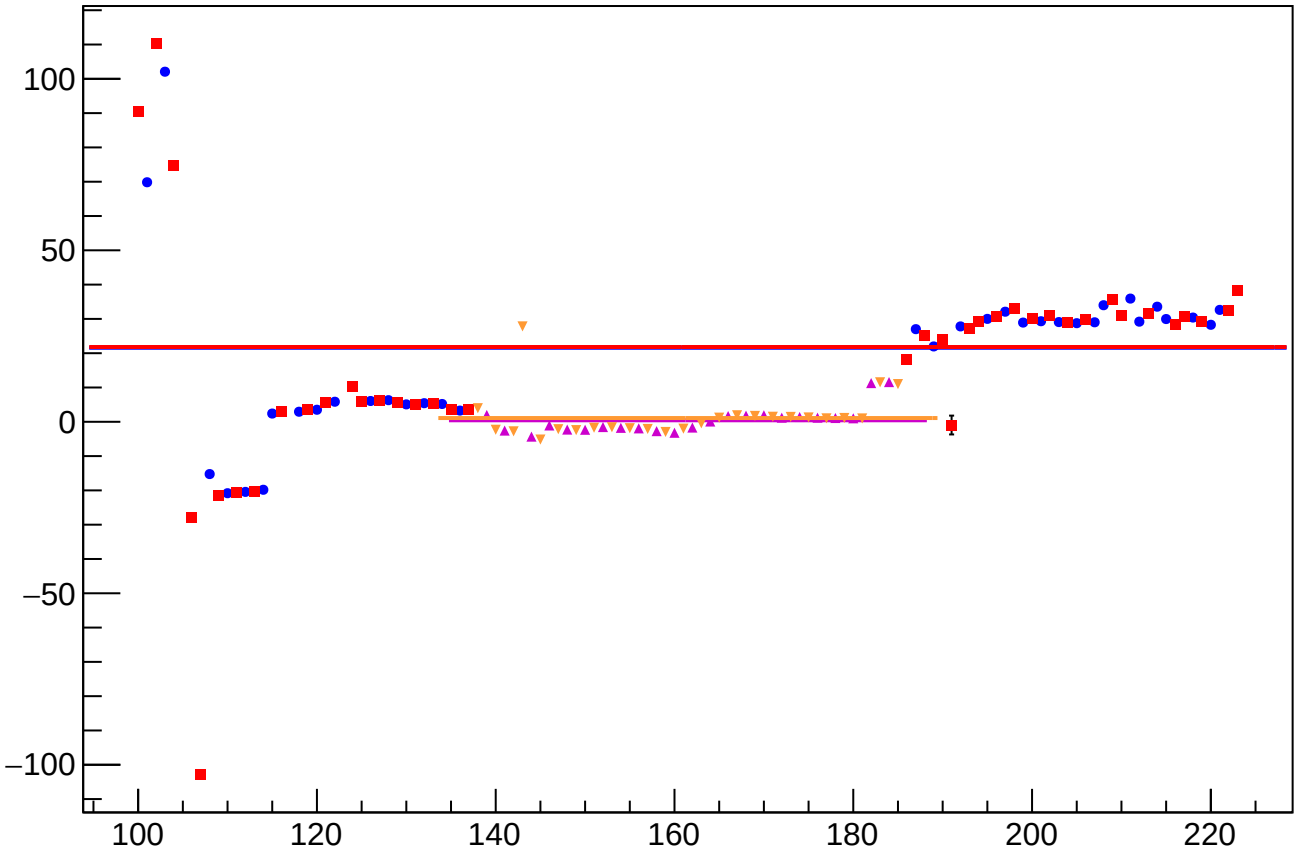
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.648+/-0.370 χ^2/NDF: 265.3/72

In: 1.258+/-0.287 χ^2/NDF:287.2/56

Out: 1.454+/-0.279 χ^2/NDF:325.8/63

All: 1.359+/-0.200 χ^2/NDF: 613.3/120



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

Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

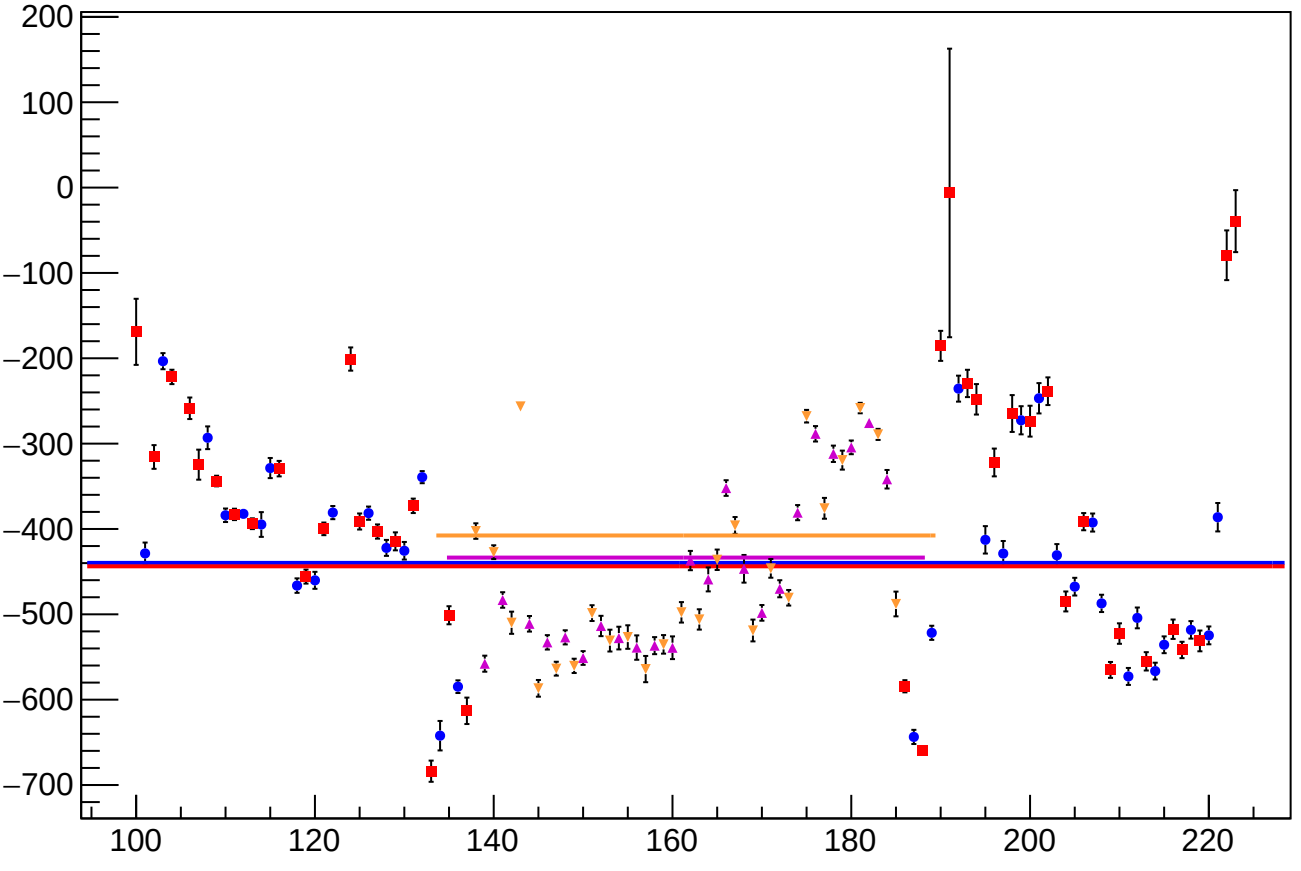
Right: 21.697+/-0.018 χ^2/NDF: 1167175.2/72

In: 5.928+/-0.013 χ^2/NDF:1075363.9/56

Out: 6.311+/-0.013 χ^2/NDF:1274406.9/63

All: 6.122+/-0.009 χ^2/NDF: 2350210.7/120

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

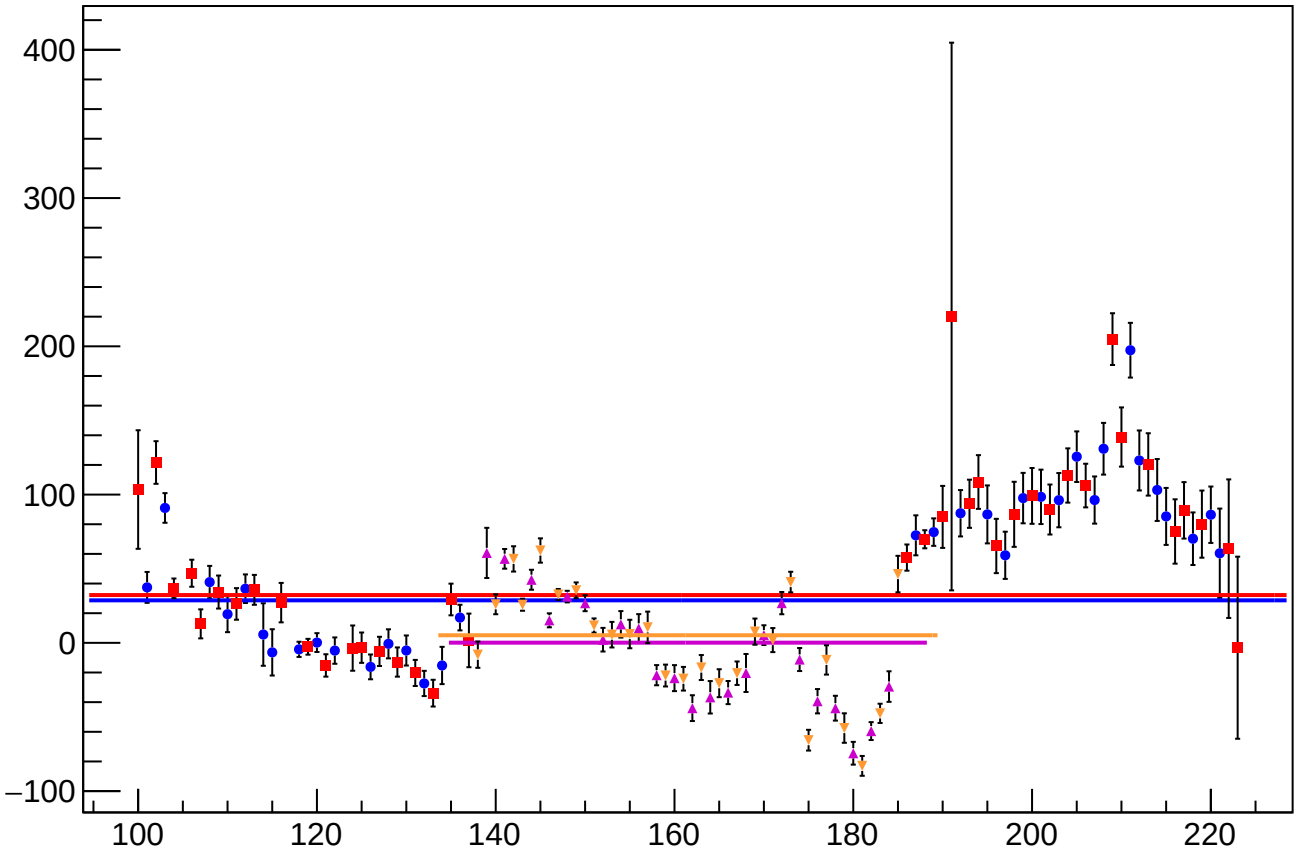
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -441.875+/-1.170 χ^2/NDF: 10814.3/72

In: -437.108+/-1.297 χ^2/NDF:6337.0/56

Out: -428.401+/-1.218 χ^2/NDF:11425.3/63

All: -432.479+/-0.888 χ^2/NDF: 17786.3/120



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

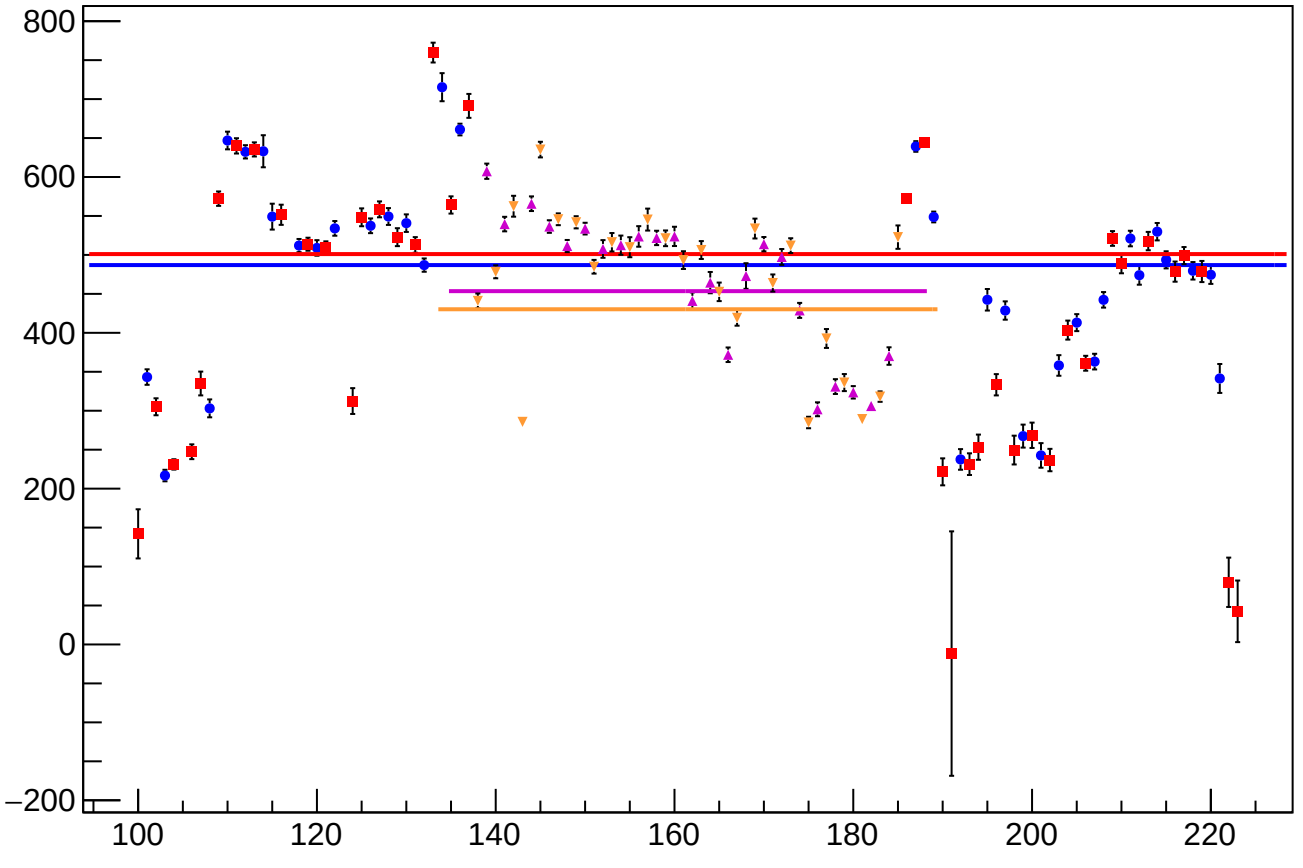
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 30.549+/-1.347 χ^2/NDF: 1169.8/72

In: 10.576+/-1.186 χ^2/NDF:1267.6/56

Out: 14.770+/-1.106 χ^2/NDF:1430.3/63

All: 12.818+/-0.809 χ^2/NDF: 2704.6/120



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

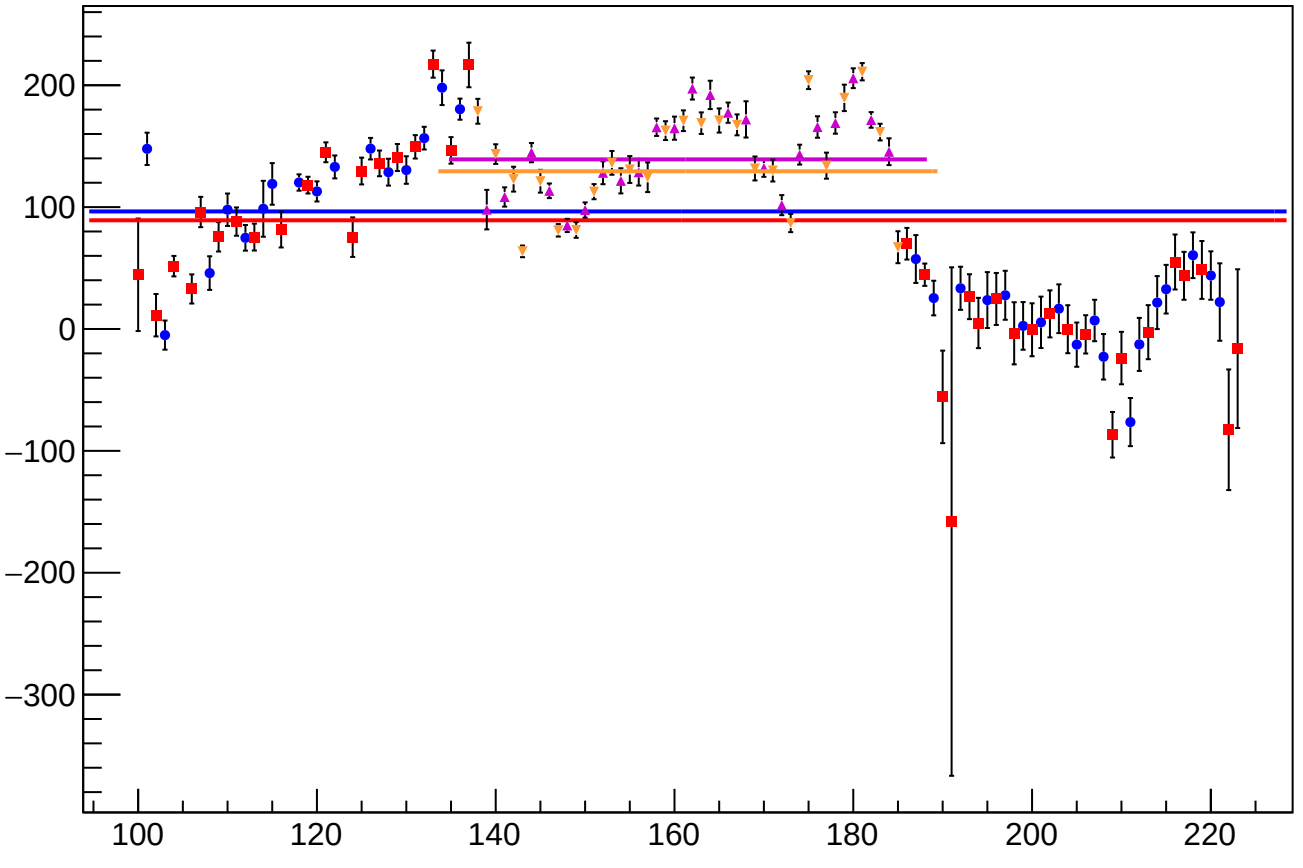
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 494.657+/-1.201 χ^2/NDF: 13433.0/72

In: 471.945+/-1.322 χ^2/NDF:7583.6/56

Out: 470.418+/-1.224 χ^2/NDF:12620.1/63

All: 471.123+/-0.898 χ^2/NDF: 20204.4/120



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

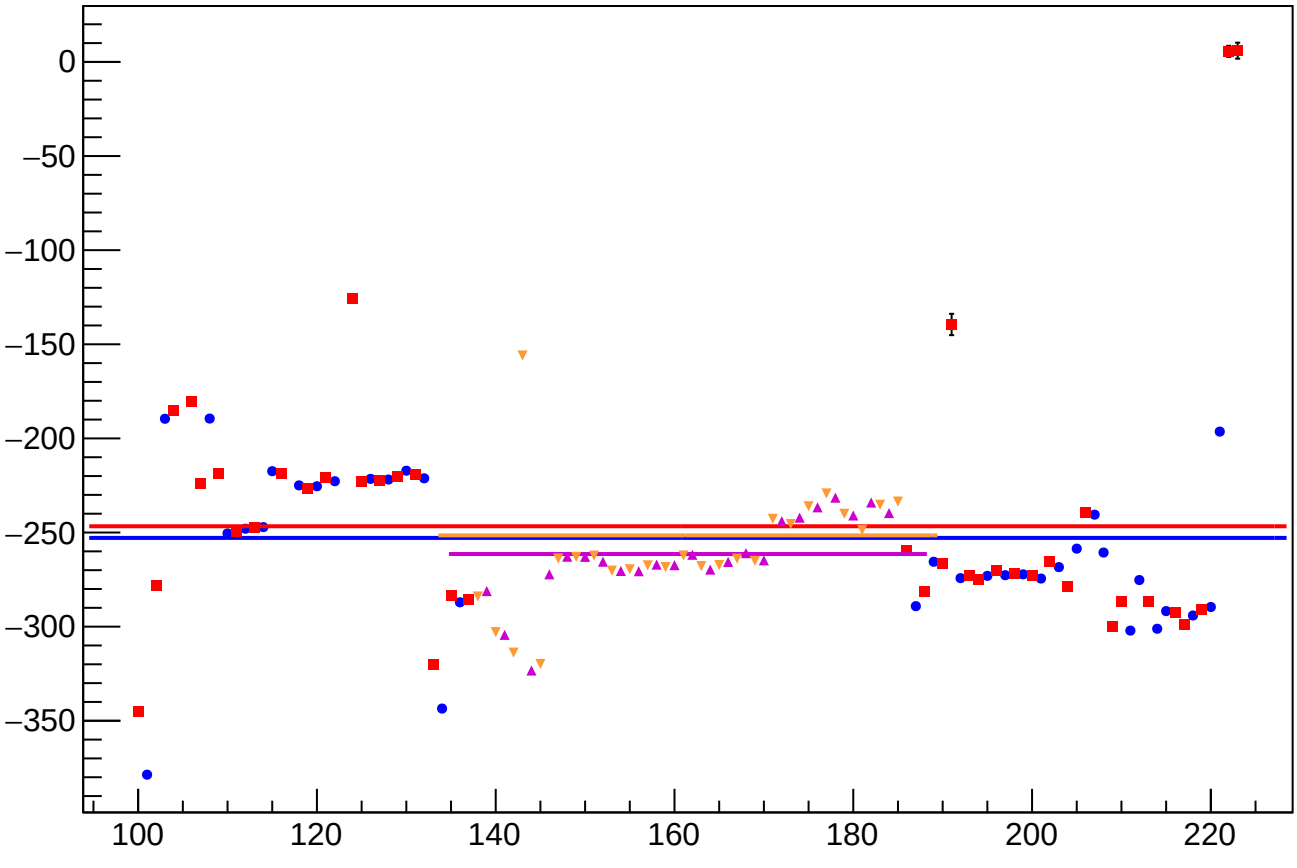
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 92.685+/-1.581 χ^2/NDF: 1522.3/72

In: 123.844+/-1.365 χ^2/NDF:1401.1/56

Out: 115.550+/-1.289 χ^2/NDF:1809.4/63

All: 119.459+/-0.937 χ^2/NDF: 3230.0/120



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

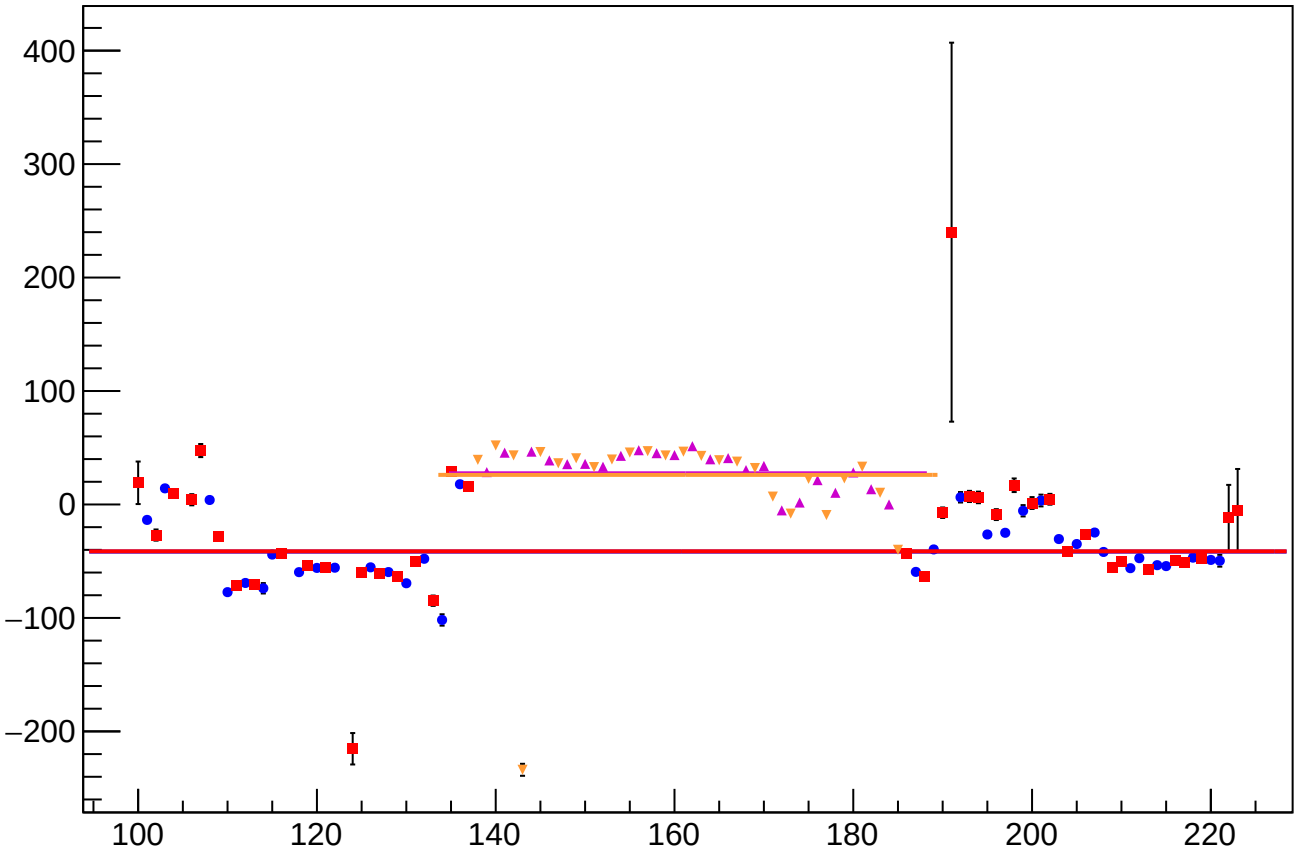
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -249.680+/-0.081 χ^2/NDF: 294851.1/72

In: -258.780+/-0.065 χ^2/NDF:231974.6/56

Out: -250.049+/-0.062 χ^2/NDF:390920.0/63

All: -254.248+/-0.045 χ^2/NDF: 632331.5/120



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

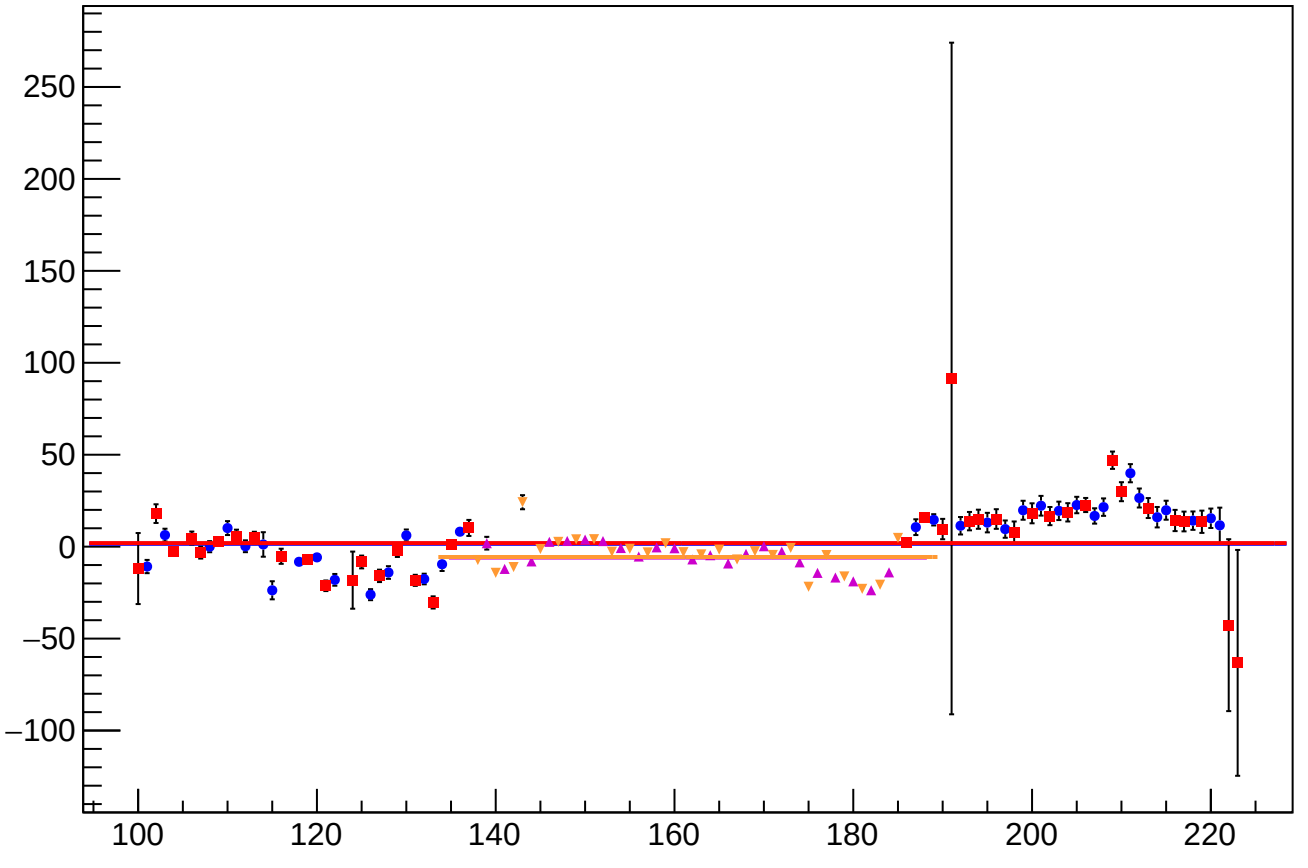
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -41.395+/-0.355 χ^2/NDF: 6235.0/72

In: 2.138+/-0.315 χ^2/NDF:15618.8/56

Out: -0.260+/-0.304 χ^2/NDF:19853.3/63

All: 0.897+/-0.219 χ^2/NDF: 35502.0/120



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

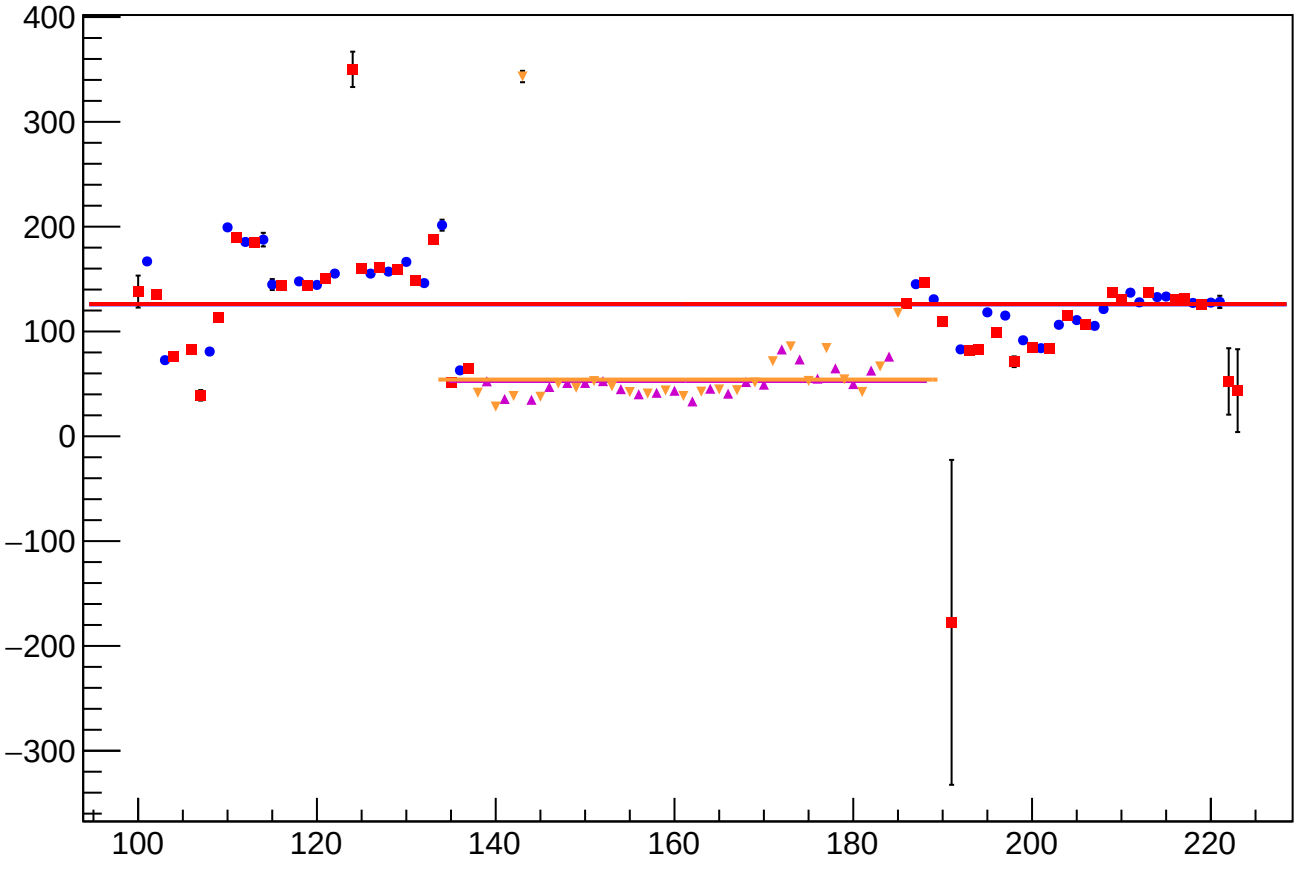
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.756+/-0.430 χ^2/NDF: 1097.2/72

In: -4.473+/-0.277 χ^2/NDF:1361.8/56

Out: -4.066+/-0.269 χ^2/NDF:1585.2/63

All: -4.263+/-0.193 χ^2/NDF: 2948.1/120



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

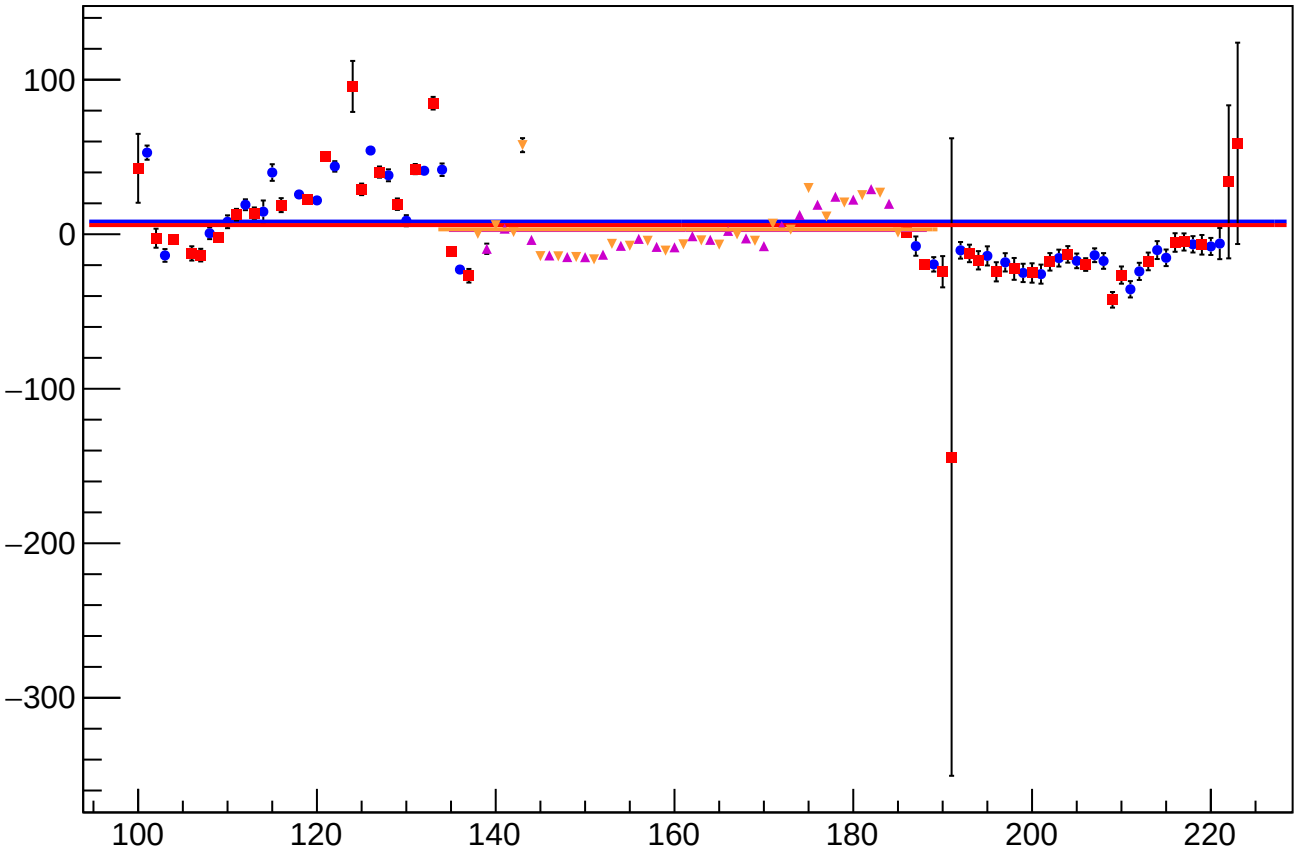
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.049+/-0.365 χ^2/NDF: 8619.0/72

In: 78.124+/-0.317 χ^2/NDF:17133.9/56

Out: 81.506+/-0.305 χ^2/NDF:22221.7/63

All: 79.882+/-0.220 χ^2/NDF: 39414.7/120



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

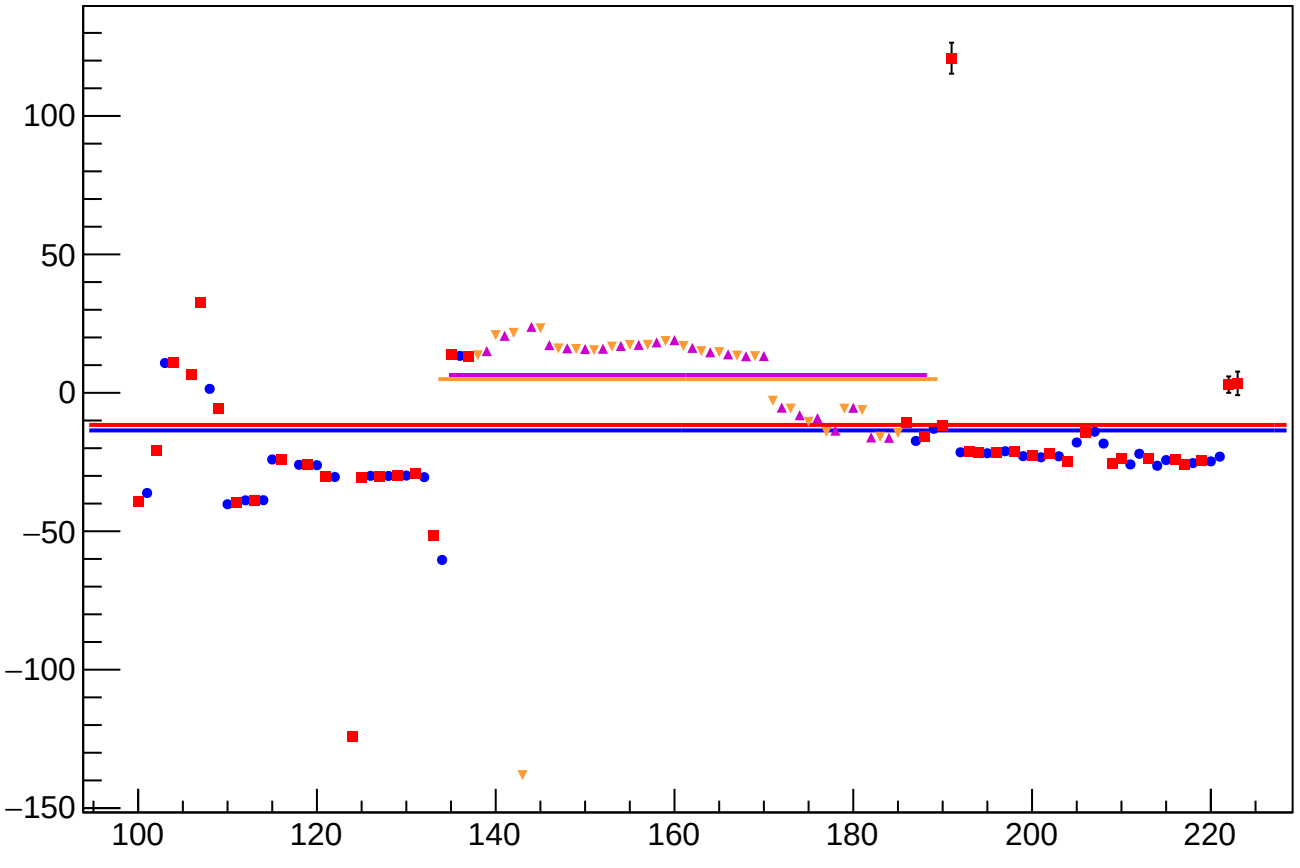
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.019+/-0.499 χ^2/NDF: 2897.4/72

In: 3.759+/-0.312 χ^2/NDF:3193.9/56

Out: 3.685+/-0.305 χ^2/NDF:3505.7/63

All: 3.721+/-0.218 χ^2/NDF: 6699.6/120



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

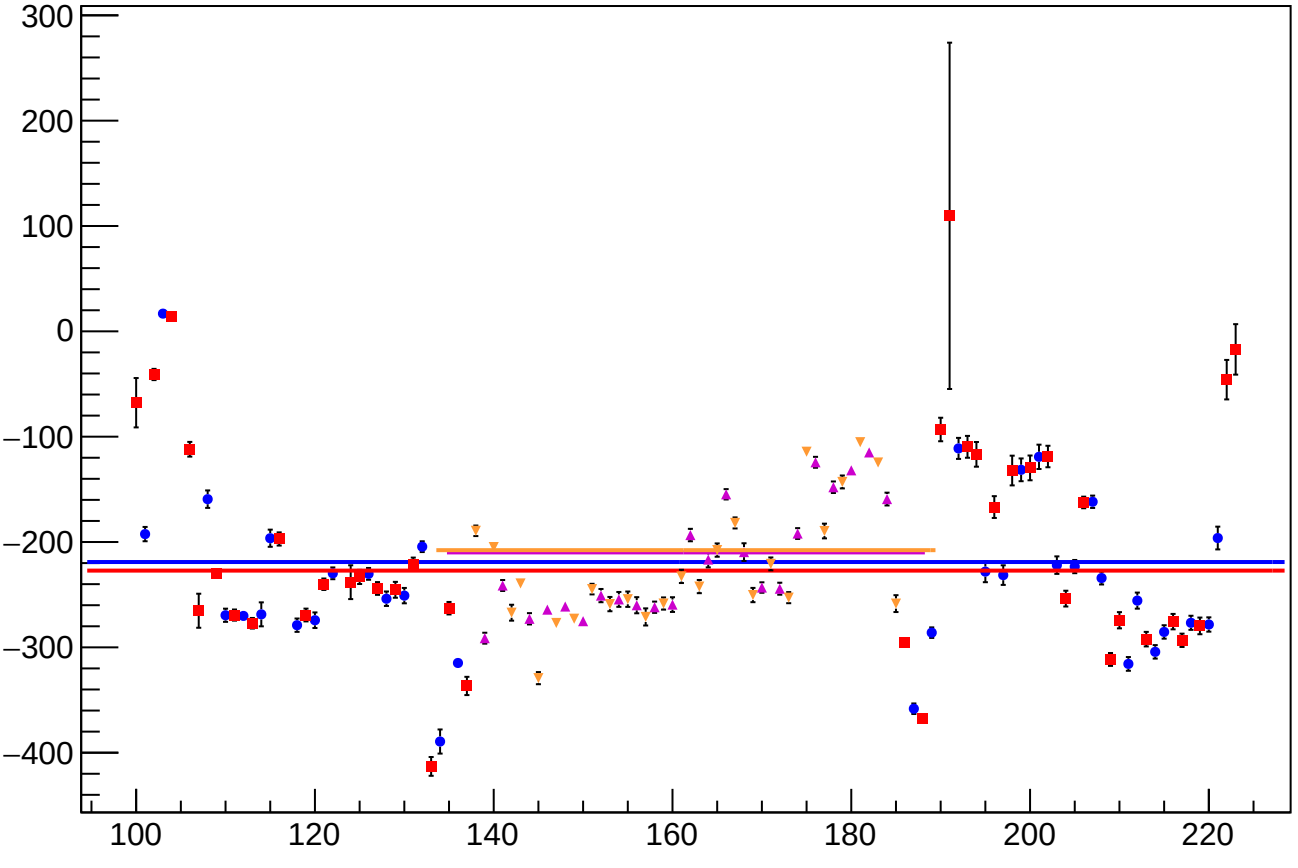
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.590+/-0.024 χ^2/NDF: 595531.9/72

In: 3.124+/-0.014 χ^2/NDF:1319201.2/56

Out: 2.250+/-0.014 χ^2/NDF:1616090.2/63

All: 2.684+/-0.010 χ^2/NDF: 2937248.4/120



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

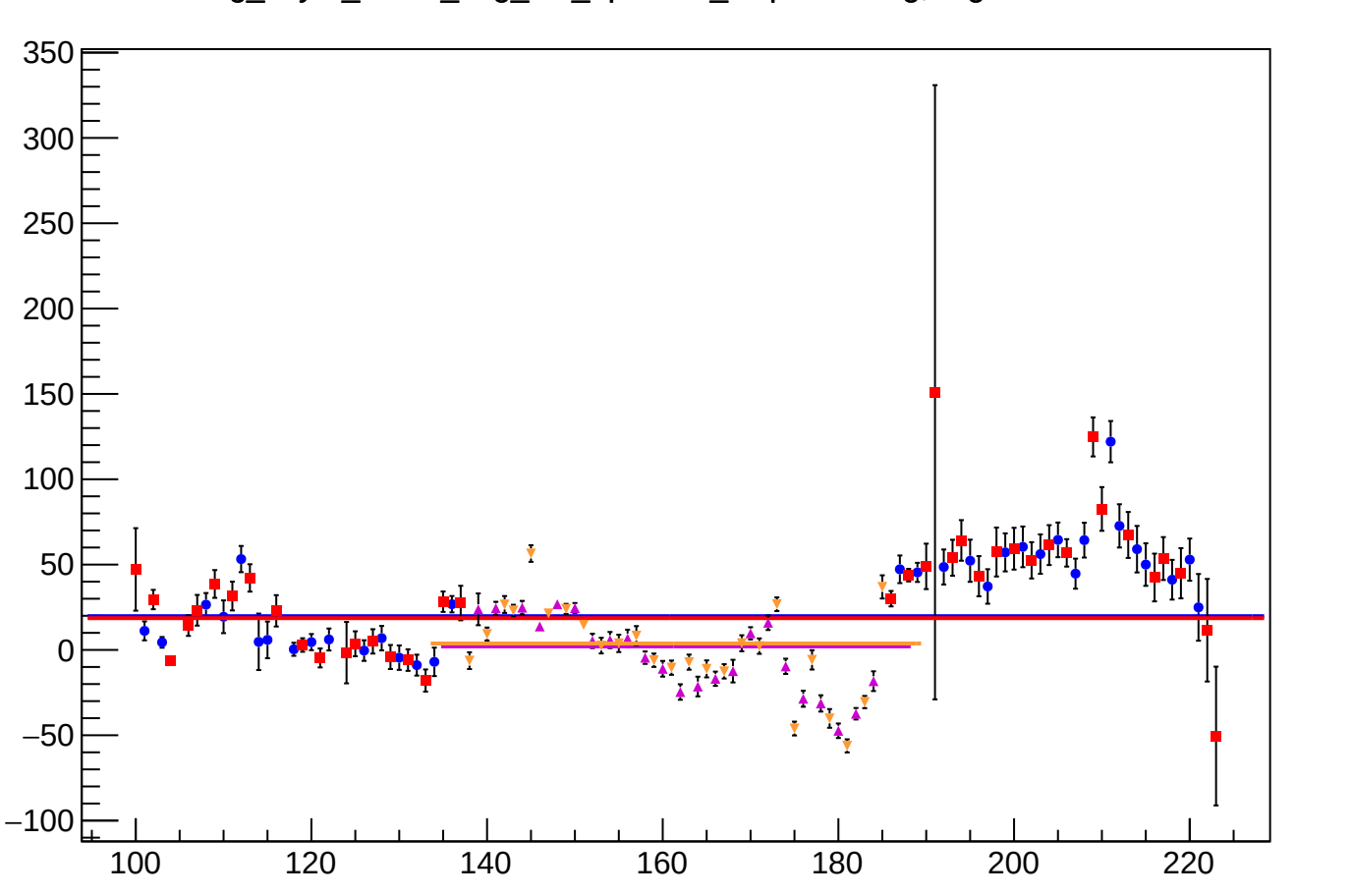
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -223.308+/-0.738 χ^2/NDF: 22678.9/72

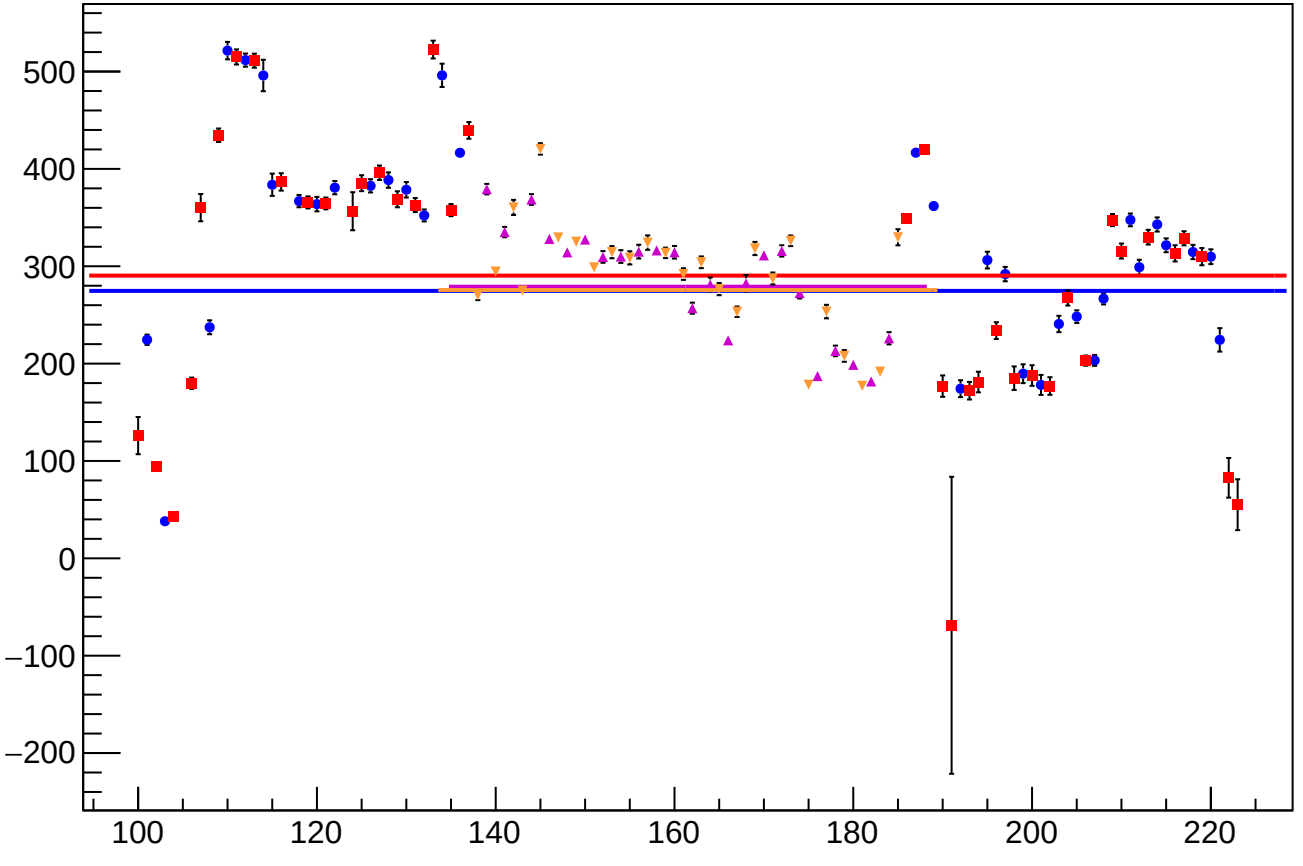
In: -214.537+/-0.770 χ^2/NDF:12656.9/56

Out: -217.954+/-0.736 χ^2/NDF:16698.7/63

All: -216.322+/-0.532 χ^2/NDF: 29365.9/120


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
350
300
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: 19.766+/-1.238 χ²/NDF: 392.7/33
Left Out: 3.770+/-0.787 χ²/NDF:972.1/24
Right Out: 18.604+/-1.135 χ²/NDF: 525.1/38
Left In: 2.079+/-0.820 χ²/NDF:770.2/22
Left: 2.959+/-0.568 χ²/NDF: 1744.5/47
Right: 19.135+/-0.837 χ²/NDF: 918.3/72
In: 7.474+/-0.684 χ²/NDF:1304.8/56
Out: 8.586+/-0.647 χ²/NDF:1612.5/63
All: 8.060+/-0.470 χ²/NDF: 2918.6/120

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

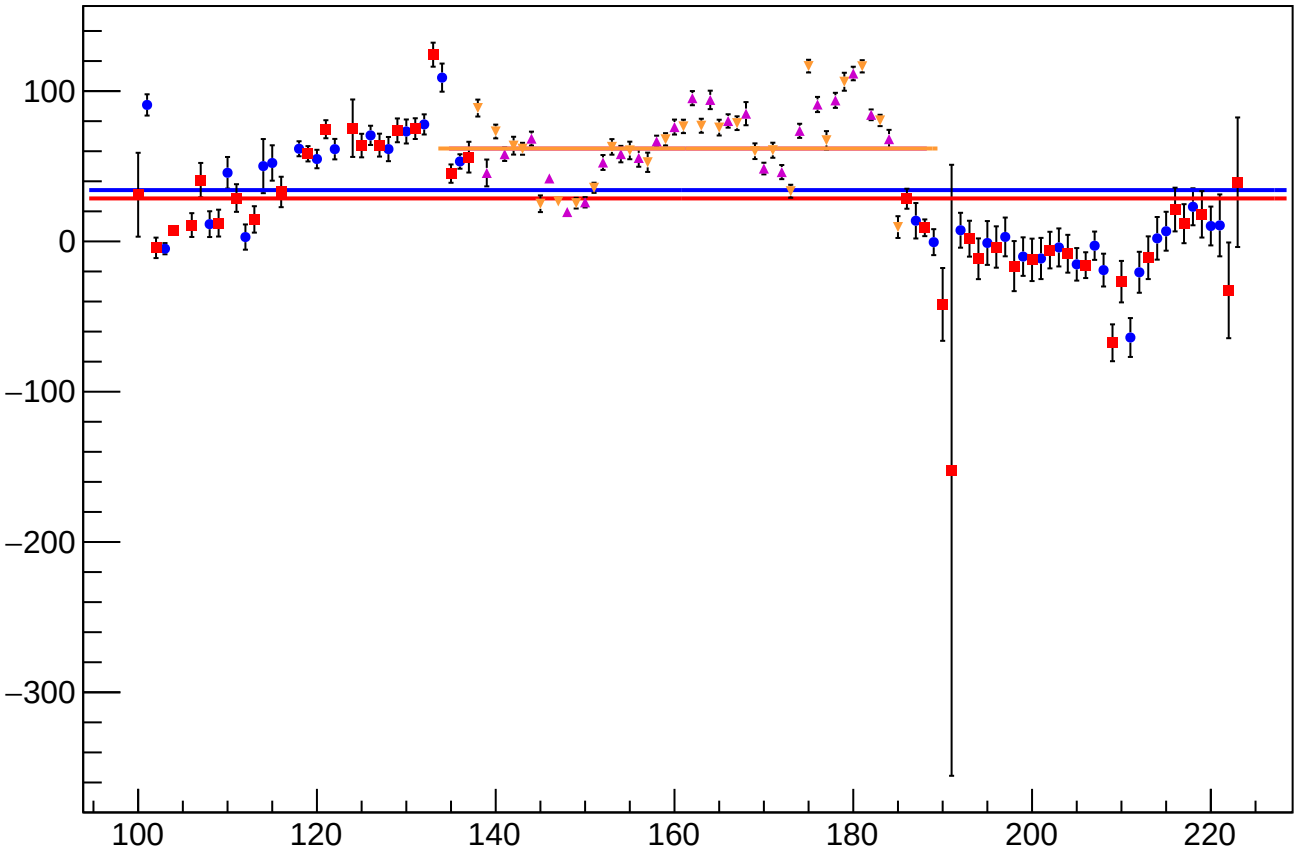
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 283.244+/-0.713 χ^2/NDF: 40755.1/72

In: 276.775+/-0.758 χ^2/NDF:21240.7/56

Out: 283.671+/-0.715 χ^2/NDF:25946.9/63

All: 280.426+/-0.520 χ^2/NDF: 47231.5/120



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

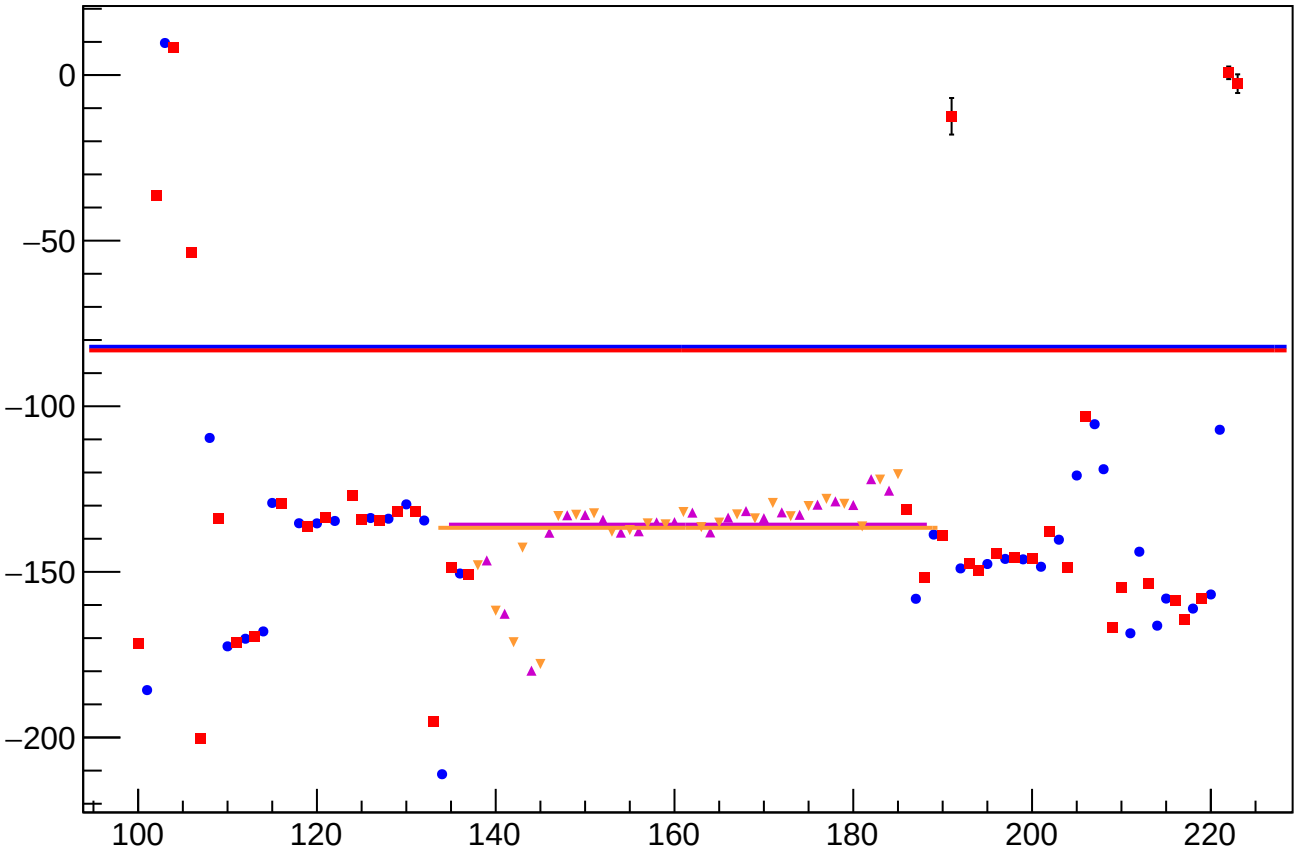
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.218+/-0.992 χ^2/NDF: 1321.6/72

In: 53.537+/-0.787 χ^2/NDF:1656.8/56

Out: 51.649+/-0.756 χ^2/NDF:2020.7/63

All: 52.556+/-0.545 χ^2/NDF: 3680.5/120



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

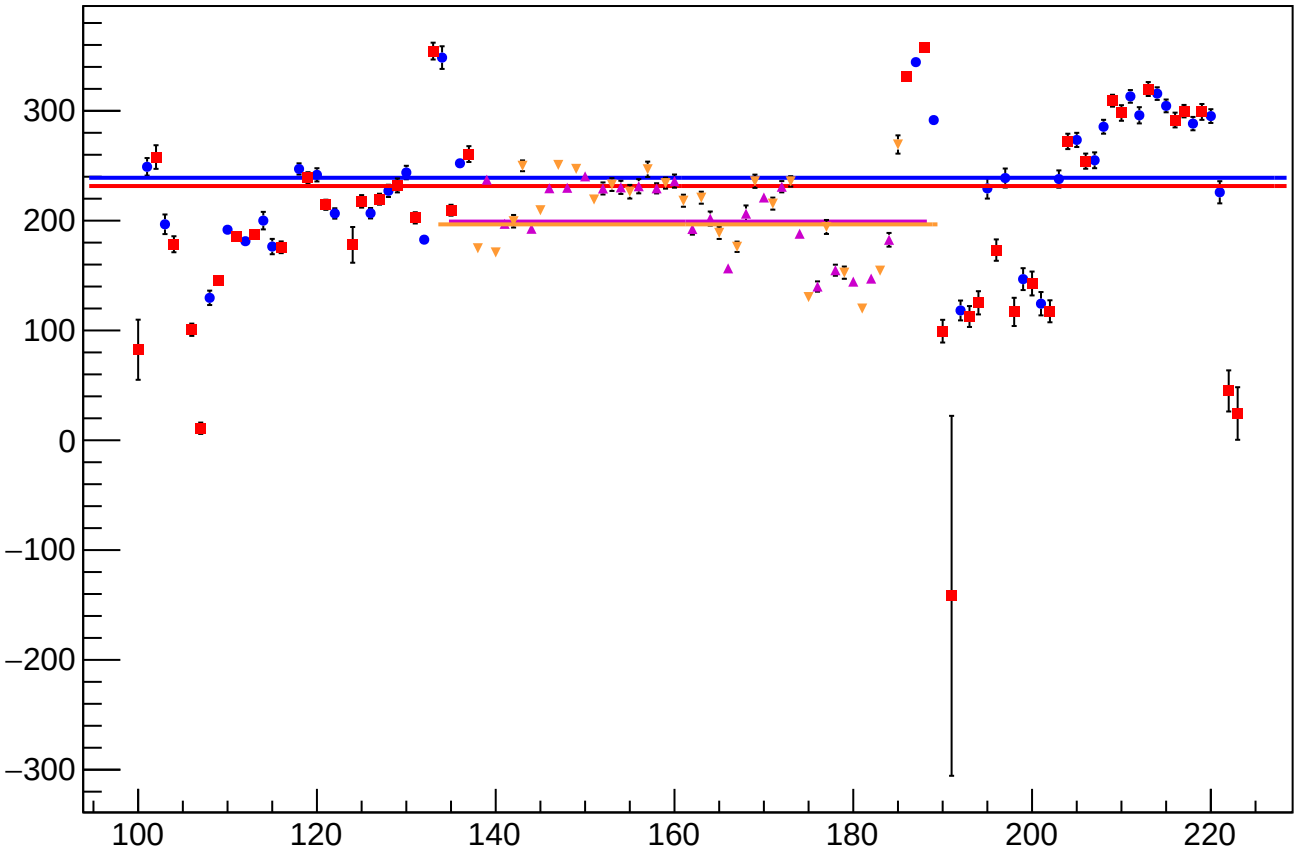
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -82.584+/-0.044 χ^2/NDF: 2897649.3/72

In: -118.199+/-0.035 χ^2/NDF:2183522.2/56

Out: -119.684+/-0.035 χ^2/NDF:1881436.0/63

All: -118.946+/-0.025 χ^2/NDF: 4065856.6/12



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

Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

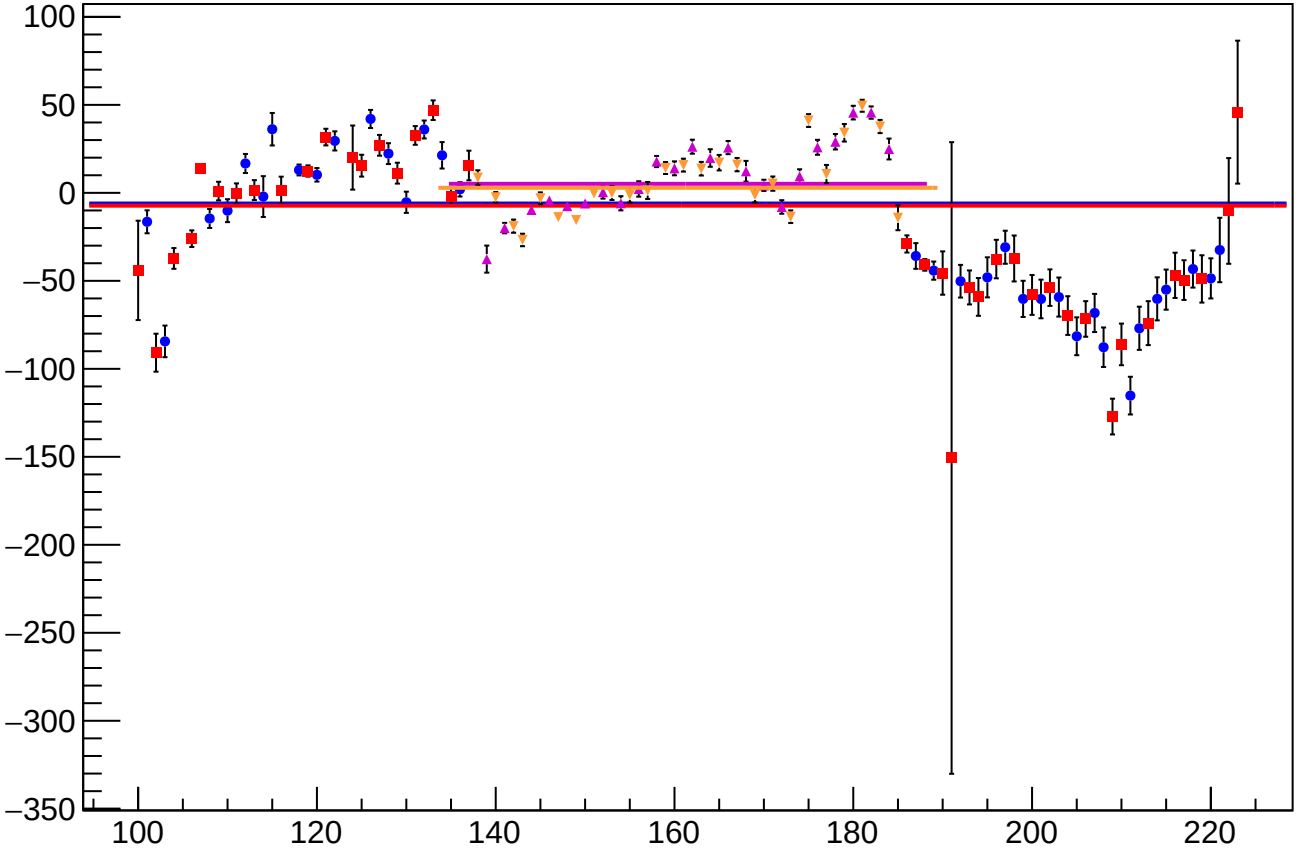
Right: 234.945+/-0.673 χ^2/NDF: 12333.4/72

In: 218.578+/-0.697 χ^2/NDF:5182.3/56

Out: 214.709+/-0.657 χ^2/NDF:12014.4/63

All: 216.529+/-0.478 χ^2/NDF: 17213.0/120

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

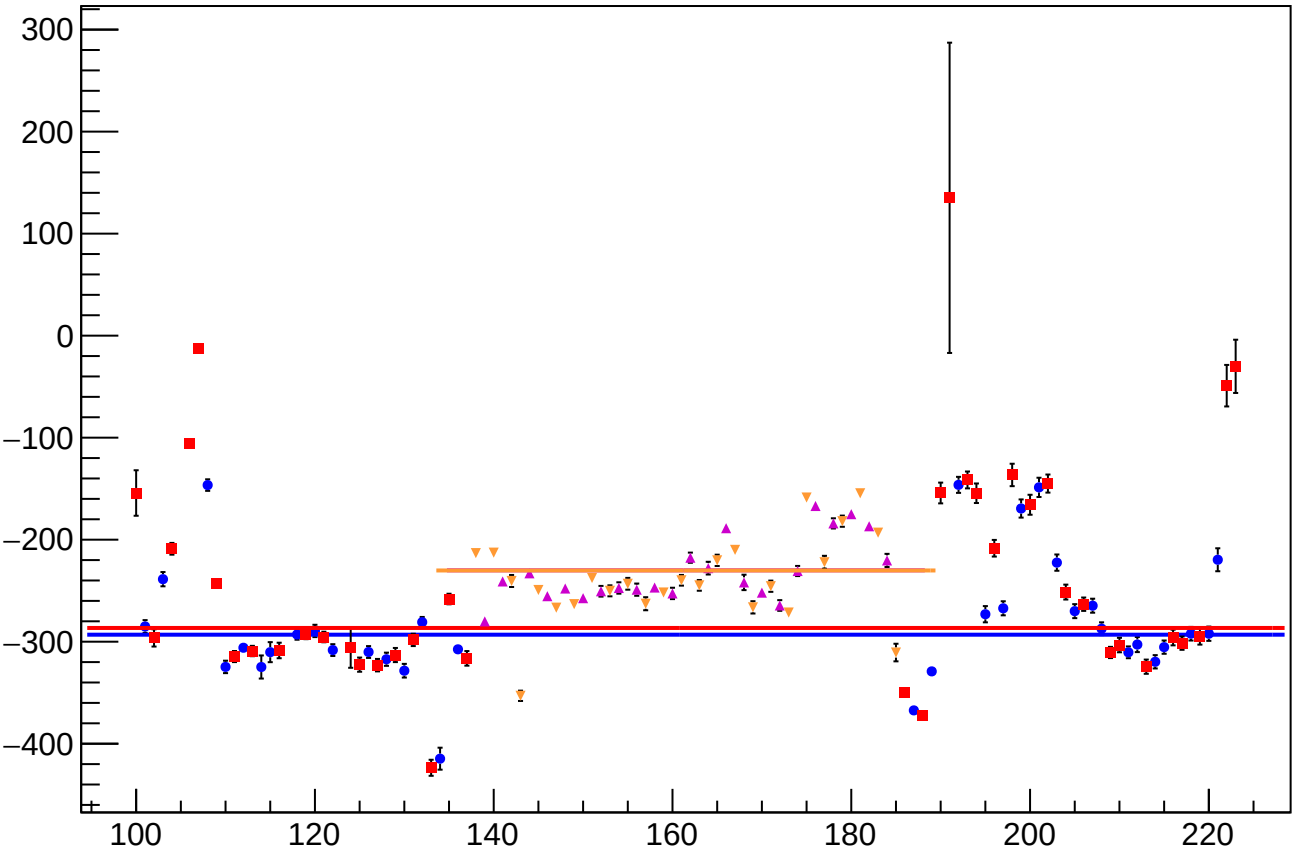
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -6.734+/-0.774 χ^2/NDF: 1983.9/72

In: 2.003+/-0.610 χ^2/NDF:1639.4/56

Out: -0.237+/-0.577 χ^2/NDF:1858.7/63

All: 0.822+/-0.419 χ^2/NDF: 3505.2/120



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

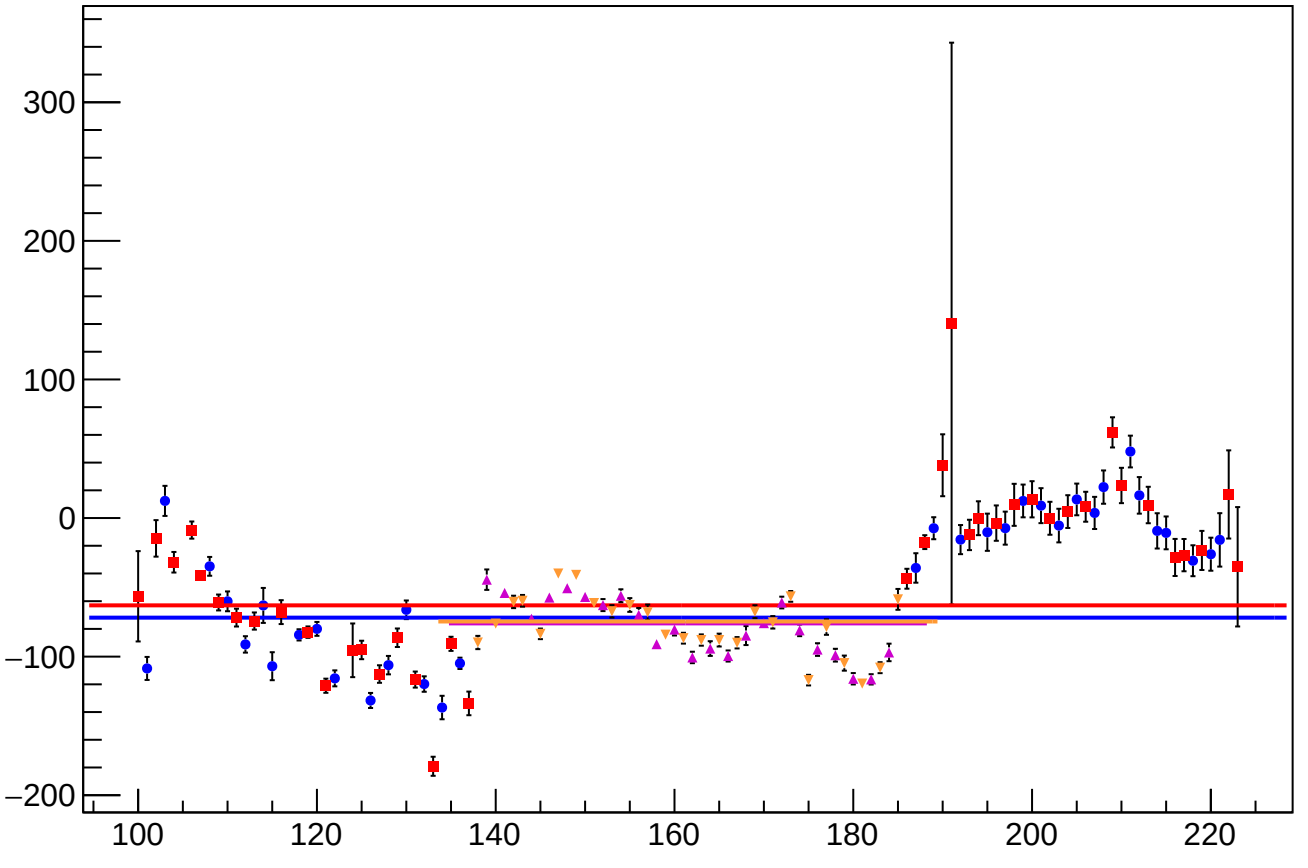
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -289.441+/-0.694 χ^2/NDF: 12691.3/72

In: -258.904+/-0.708 χ^2/NDF:5519.3/56

Out: -258.706+/-0.660 χ^2/NDF:14220.4/63

All: -258.798+/-0.483 χ^2/NDF: 19739.7/120



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

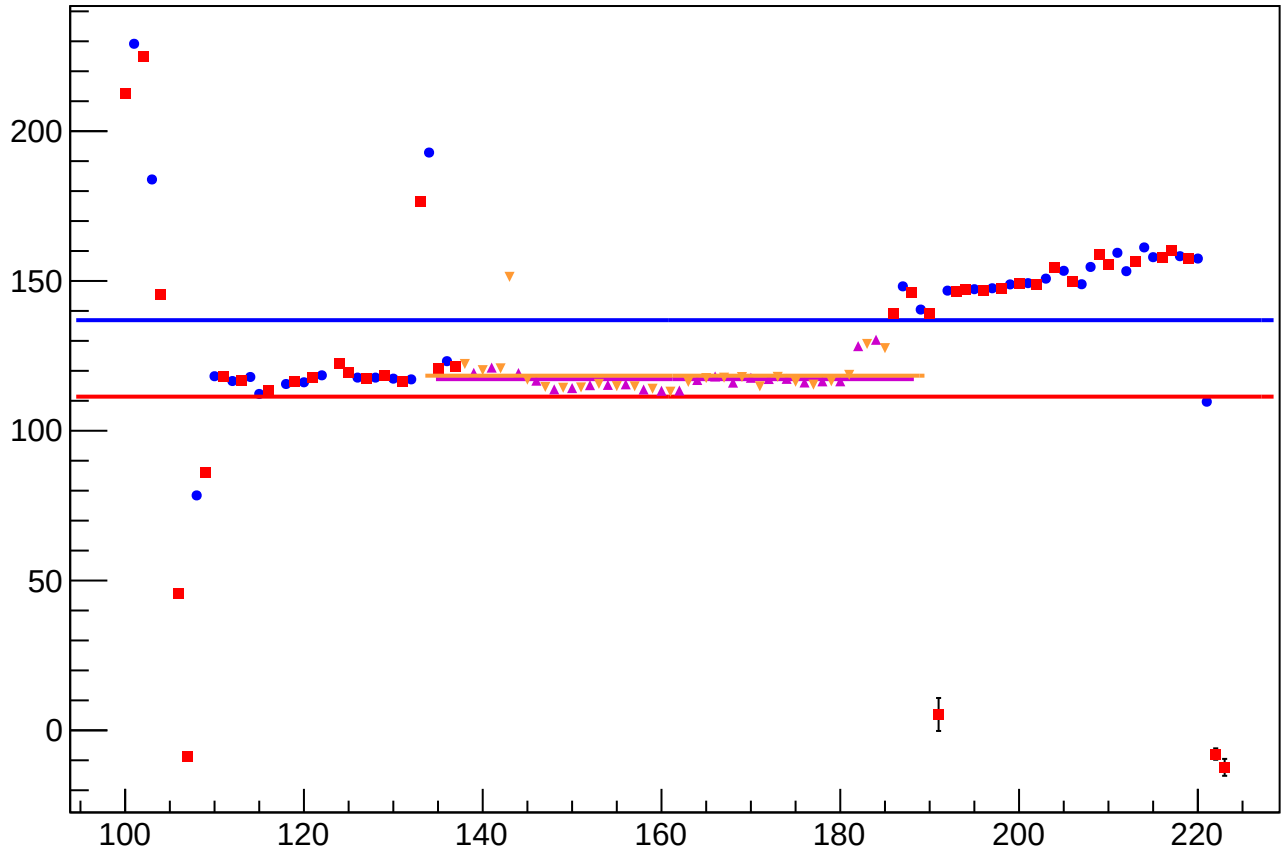
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -67.107+/-0.910 χ^2/NDF: 2704.3/72

In: -74.885+/-0.702 χ^2/NDF:1884.2/56

Out: -71.225+/-0.673 χ^2/NDF:2342.5/63

All: -72.978+/-0.486 χ^2/NDF: 4240.9/120



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

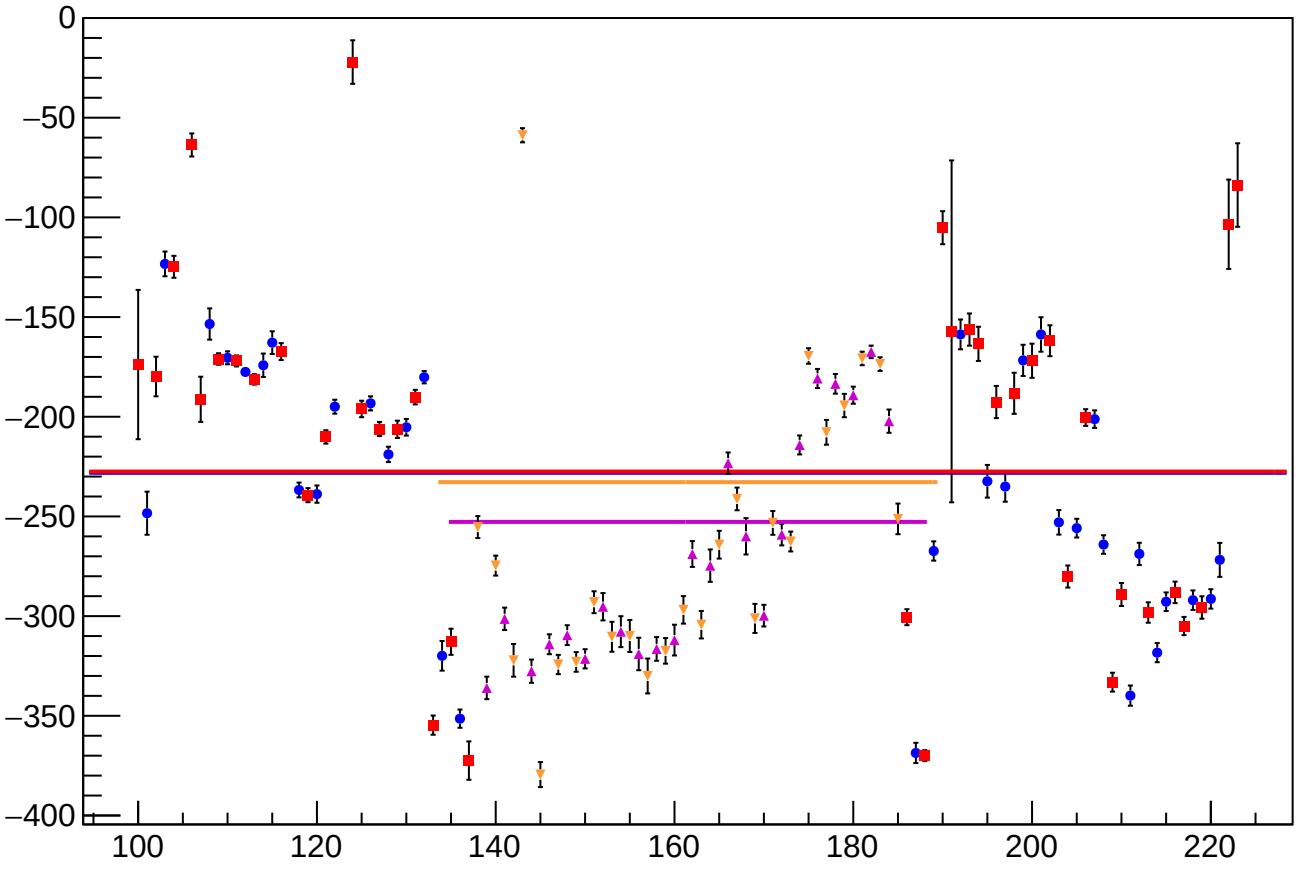
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 123.010+/-0.047 χ^2/NDF: 1080986.1/72

In: 121.674+/-0.033 χ^2/NDF:280490.2/56

Out: 116.595+/-0.032 χ^2/NDF:843329.1/63

All: 119.063+/-0.023 χ^2/NDF: 1135937.0/120



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

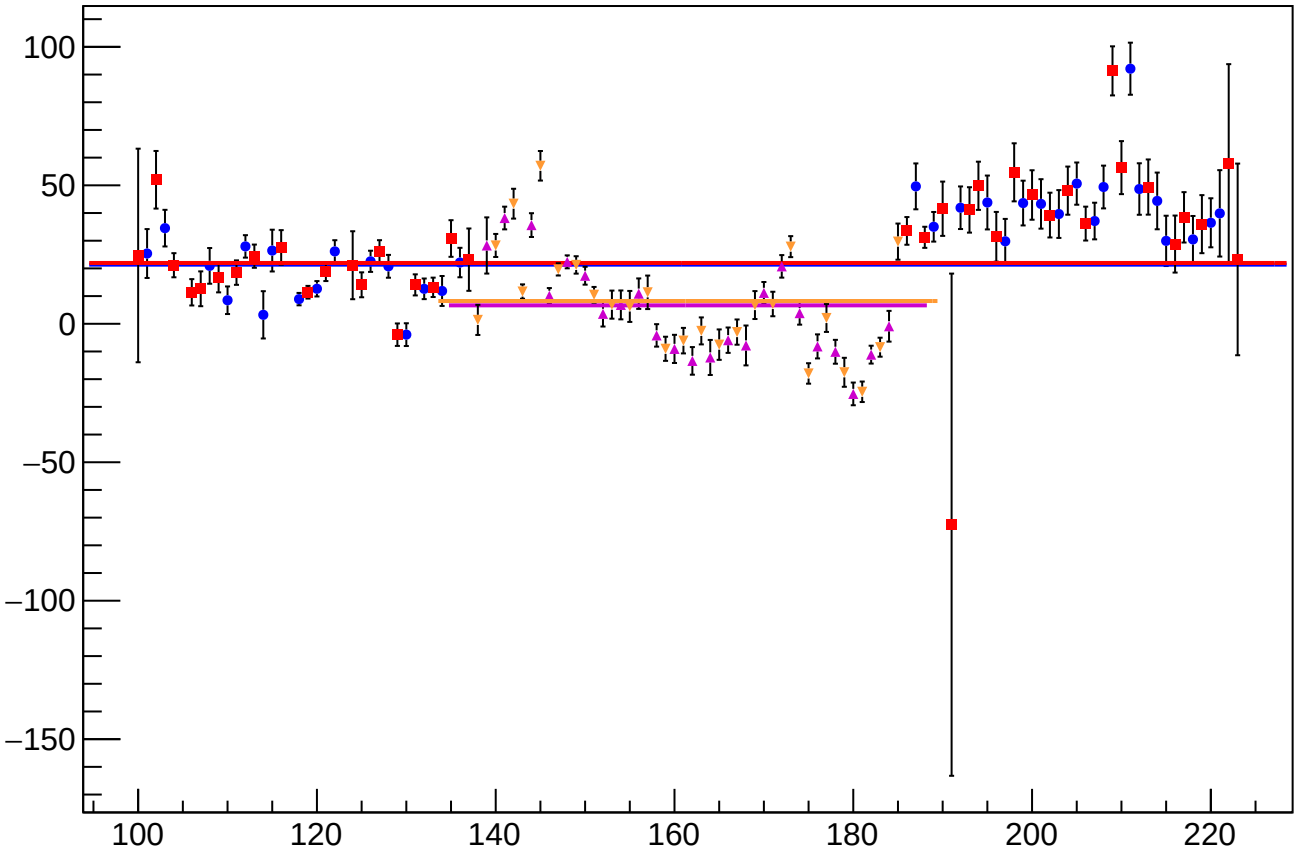
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -227.786+/-0.558 χ^2/NDF: 14634.2/72

In: -236.397+/-0.656 χ^2/NDF:8550.3/56

Out: -229.307+/-0.628 χ^2/NDF:15092.4/63

All: -232.696+/-0.453 χ^2/NDF: 23703.7/120



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

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

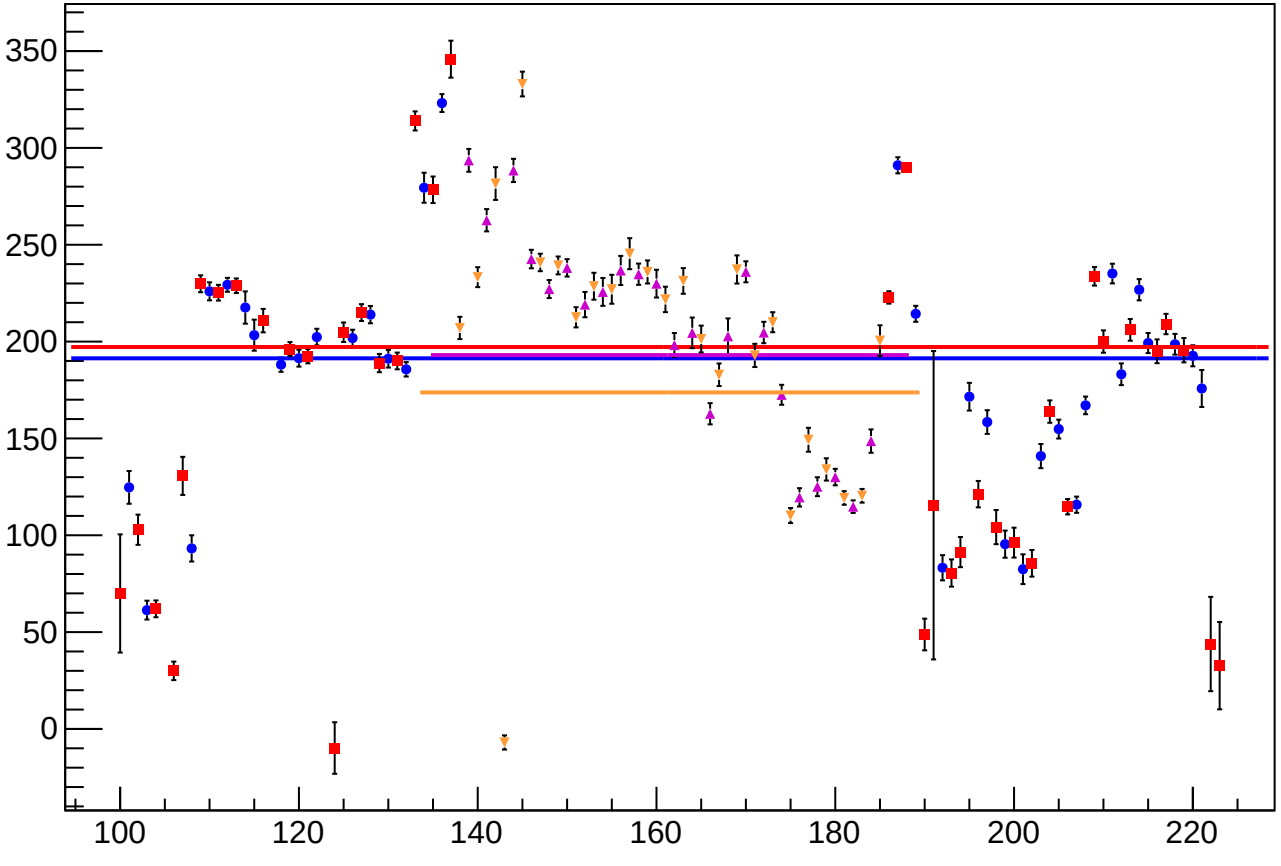
Right: 21.667+/-0.644 χ^2/NDF: 522.7/72

In: 13.484+/-0.628 χ^2/NDF:758.3/56

Out: 14.307+/-0.599 χ^2/NDF:842.9/63

All: 13.915+/-0.434 χ^2/NDF: 1602.1/120

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

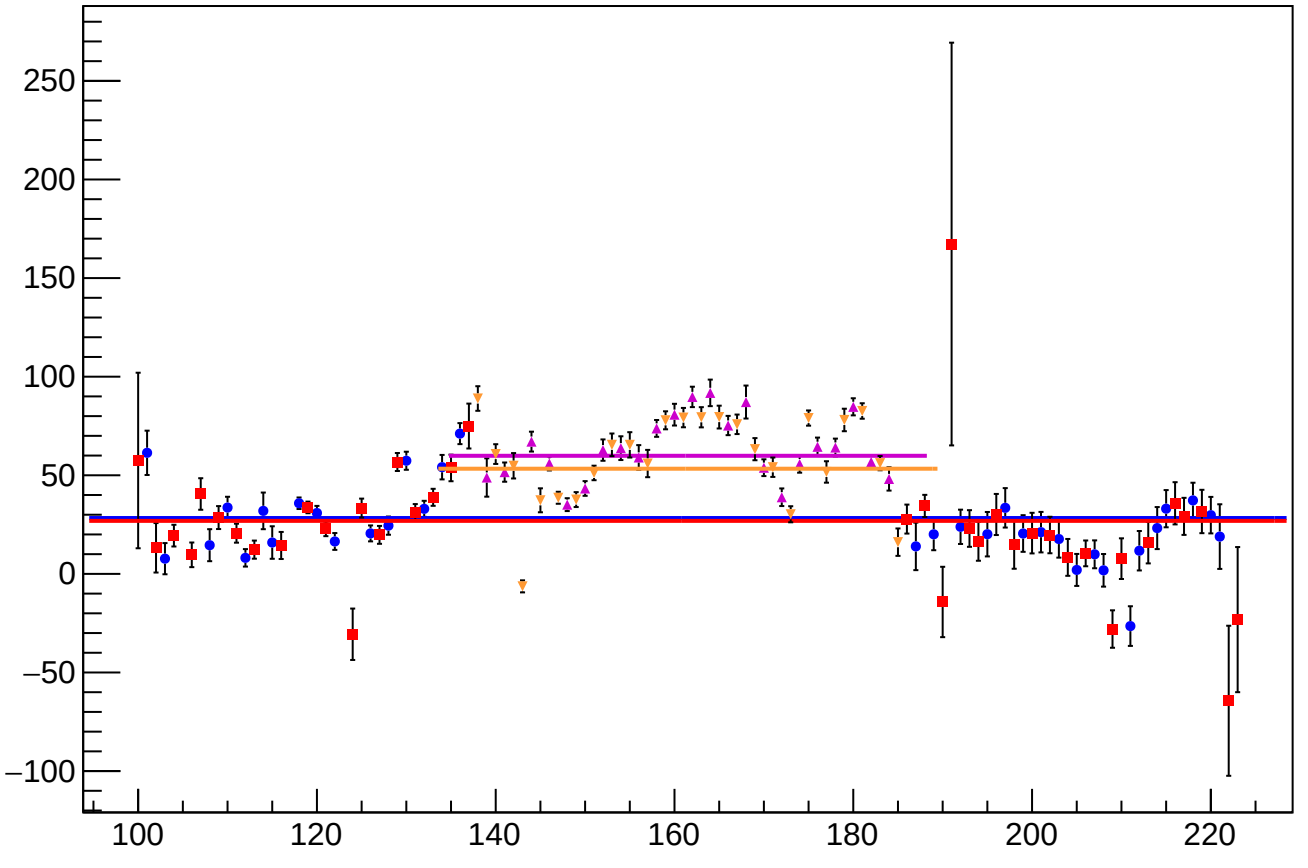
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.444+/-0.599 χ^2/NDF: 11788.7/72

In: 191.987+/-0.688 χ^2/NDF:6568.2/56

Out: 188.458+/-0.652 χ^2/NDF:13272.9/63

All: 190.128+/-0.474 χ^2/NDF: 19854.9/120



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

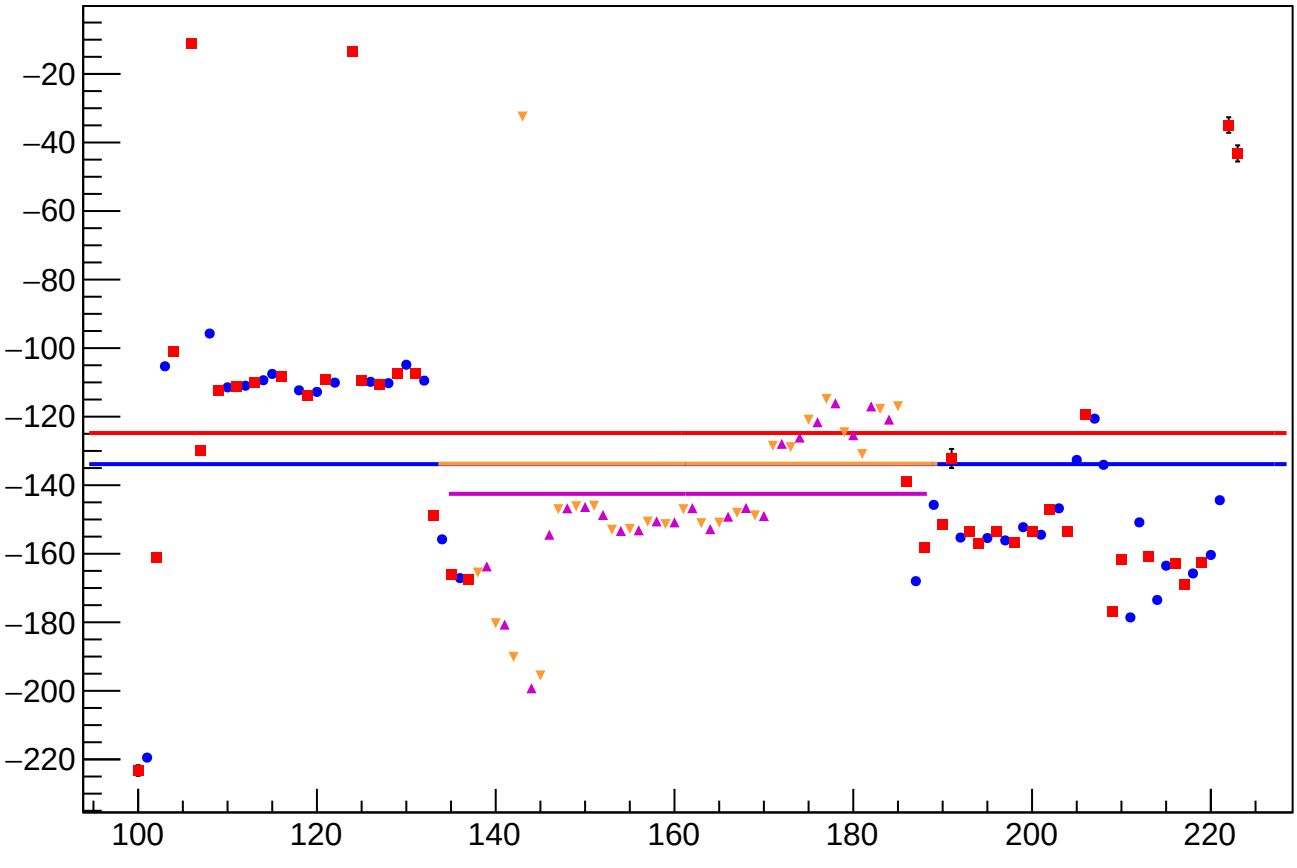
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.594+/-0.749 χ^2/NDF: 467.7/72

In: 45.490+/-0.720 χ^2/NDF:980.3/56

Out: 41.839+/-0.693 χ^2/NDF:1350.5/63

All: 43.594+/-0.499 χ^2/NDF: 2344.2/120



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

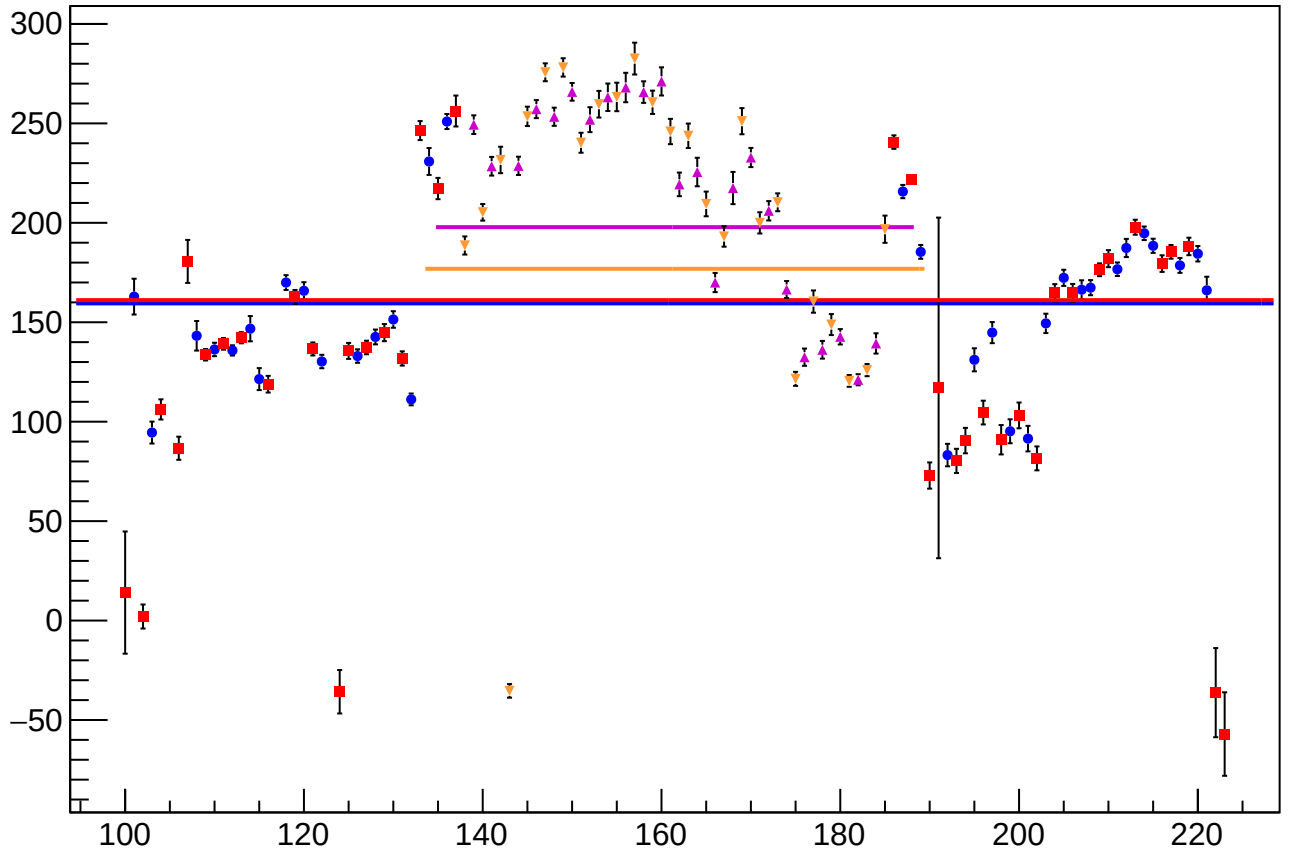
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -129.162+/-0.041 χ^2/NDF: 753167.5/72

In: -139.359+/-0.035 χ^2/NDF:394018.2/56

Out: -130.468+/-0.034 χ^2/NDF:1230873.3/63

All: -134.757+/-0.025 χ^2/NDF: 1657519.1/12



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

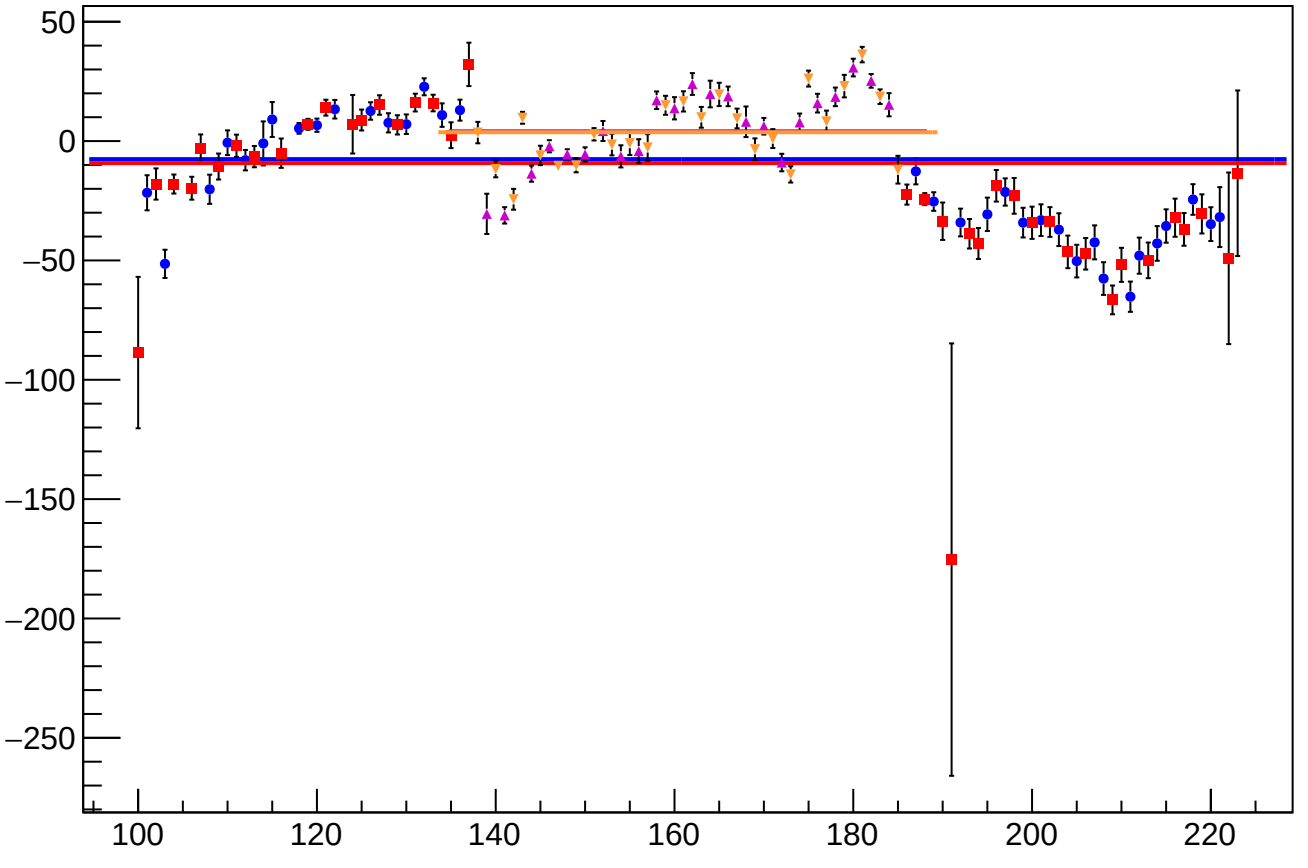
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 160.339+/-0.490 χ^2/NDF: 8045.0/72

In: 172.217+/-0.580 χ^2/NDF:6500.8/56

Out: 166.375+/-0.553 χ^2/NDF:13084.9/63

All: 169.158+/-0.400 χ^2/NDF: 19638.9/120



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

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

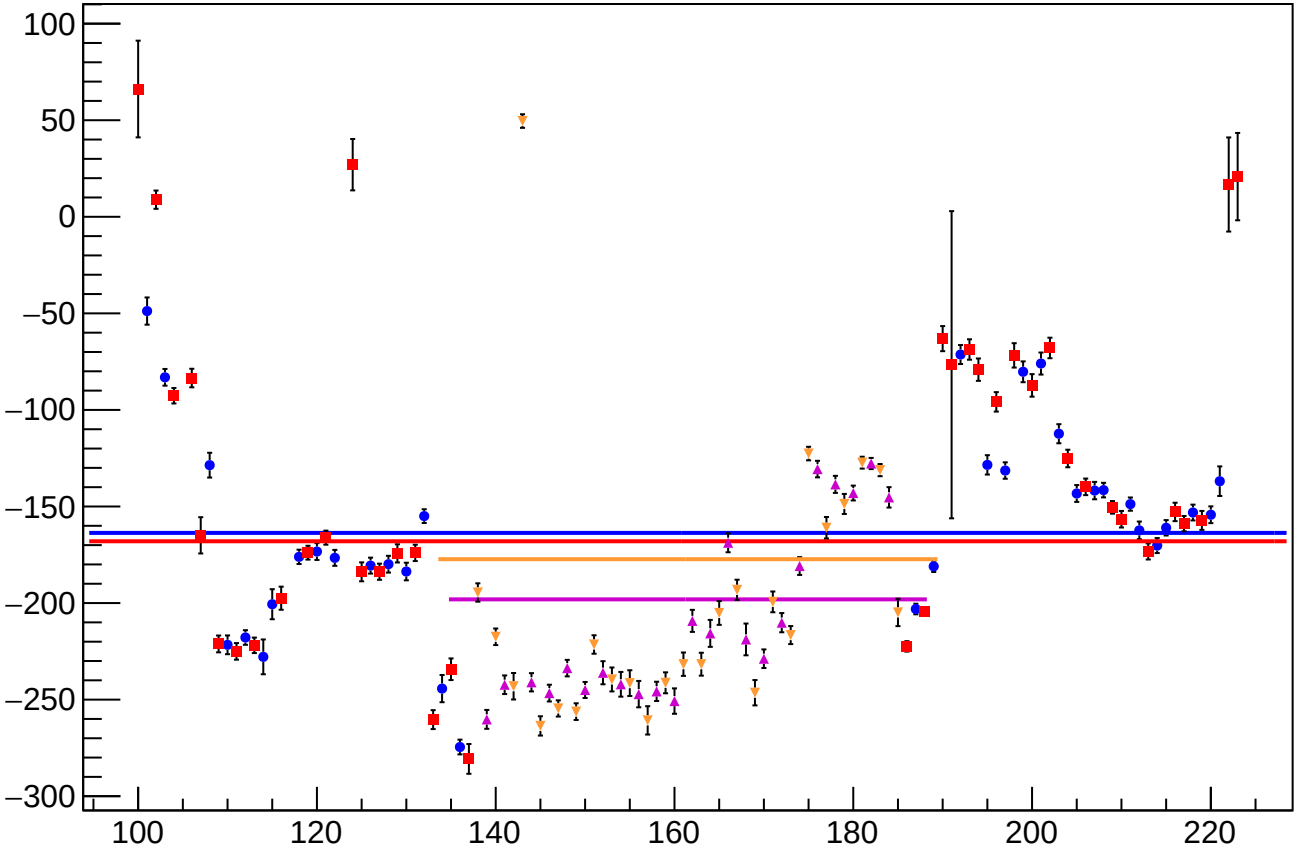
Right: -8.427+/-0.586 χ^2/NDF: 1440.1/72

In: -1.189+/-0.568 χ^2/NDF:1231.4/56

Out: -2.005+/-0.541 χ^2/NDF:1252.3/63

All: -1.617+/-0.392 χ^2/NDF: 2484.7/120

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

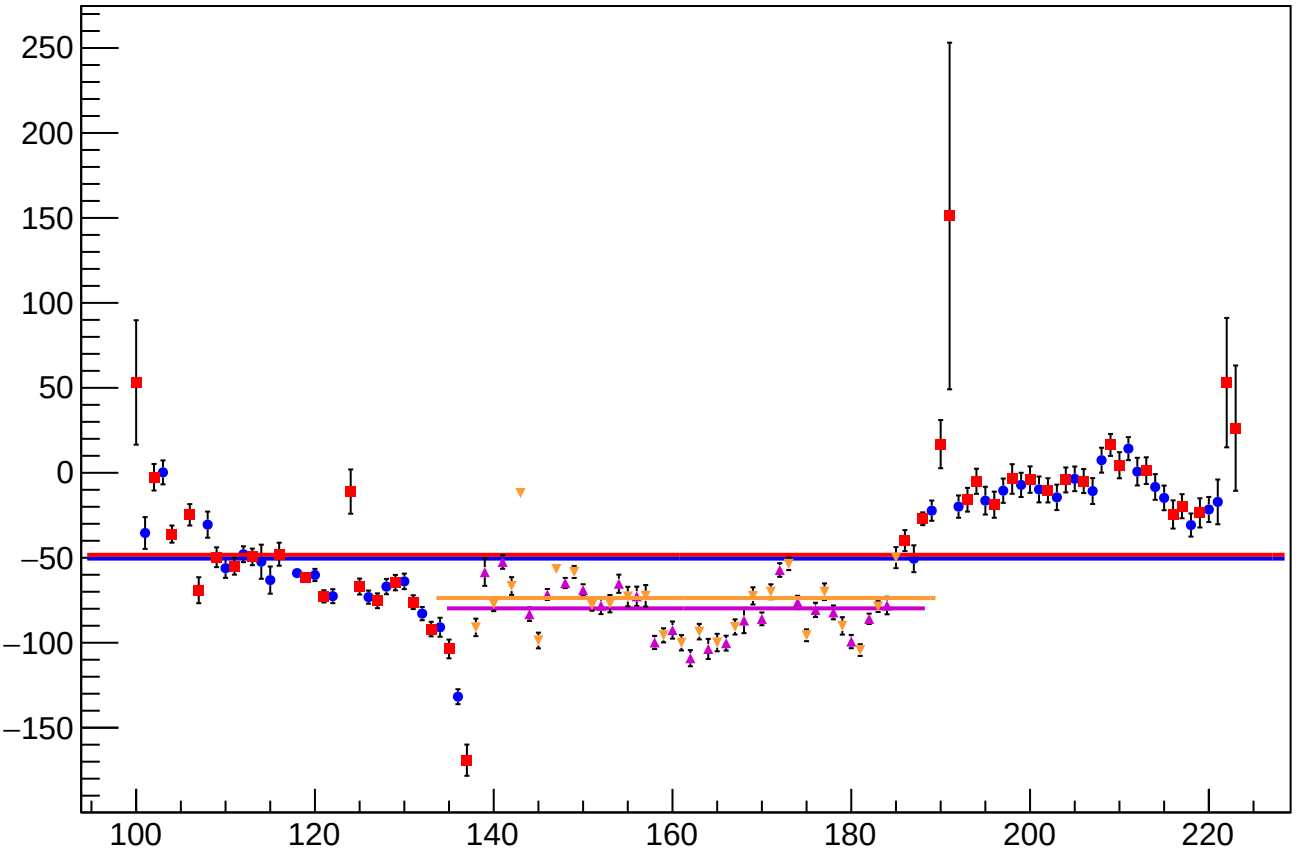
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -166.005+/-0.505 χ^2/NDF: 10395.9/72

In: -175.918+/-0.597 χ^2/NDF:6682.9/56

Out: -171.171+/-0.558 χ^2/NDF:13946.0/63

All: -173.387+/-0.408 χ^2/NDF: 20662.6/120



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

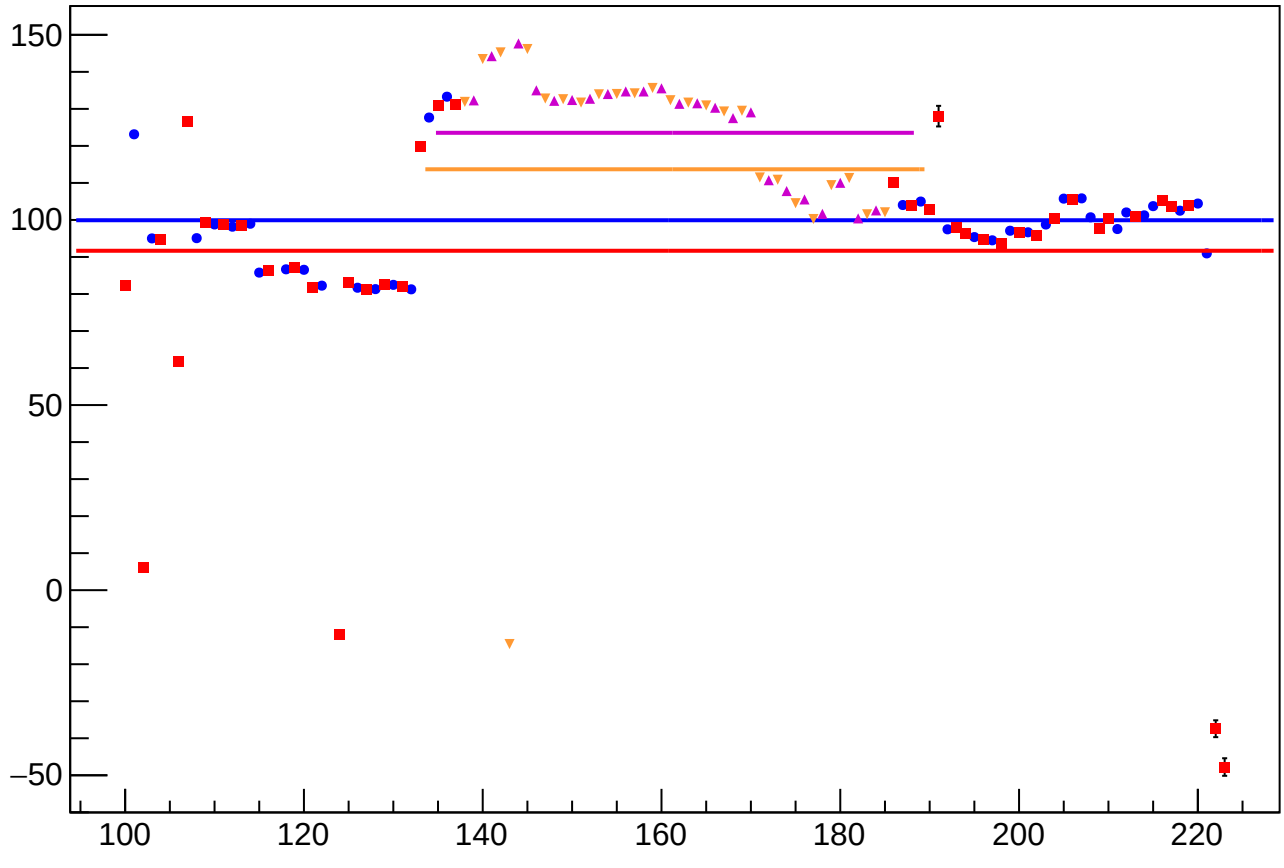
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -49.346+/-0.685 χ^2/NDF: 2316.8/72

In: -66.759+/-0.651 χ^2/NDF:1932.3/56

Out: -62.824+/-0.627 χ^2/NDF:2401.0/63

All: -64.717+/-0.452 χ^2/NDF: 4352.3/120



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

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

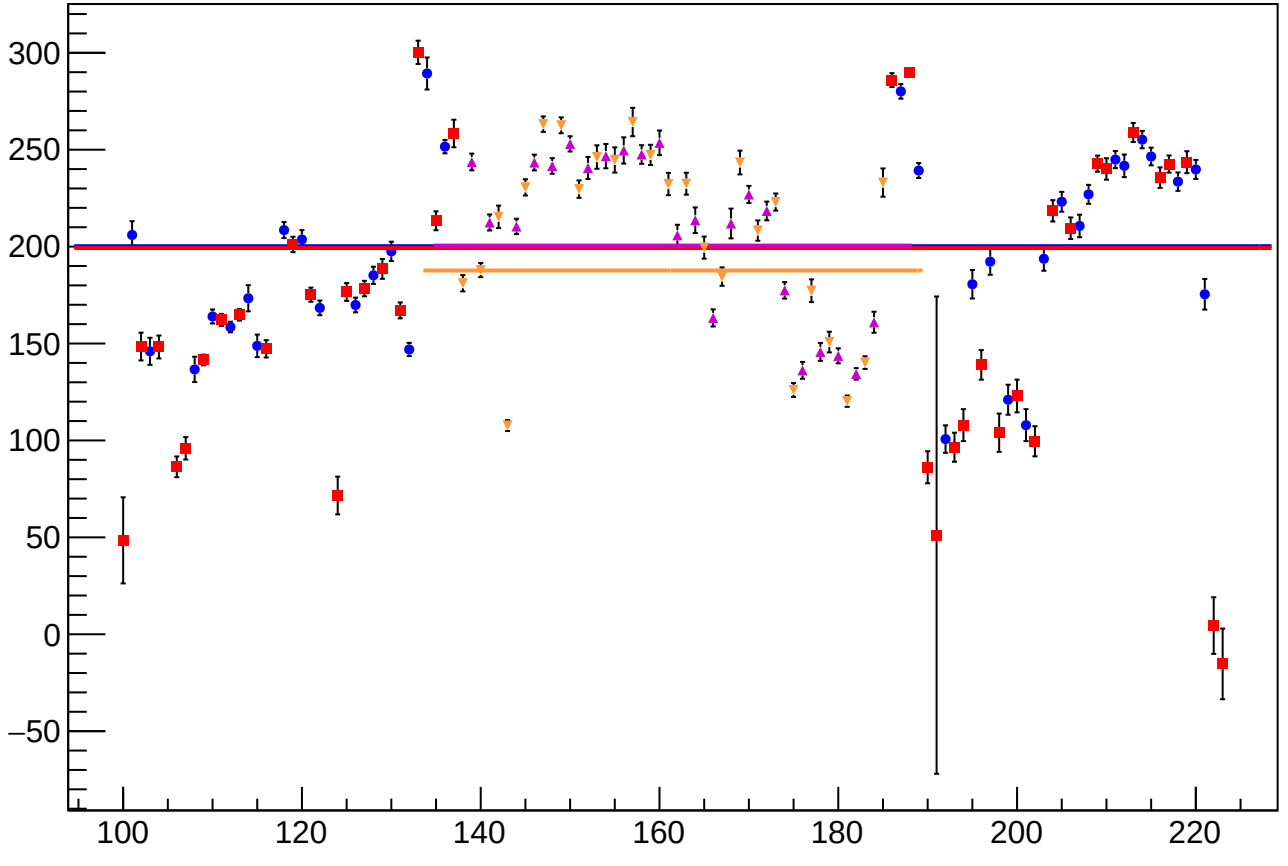
Right: 95.616+/-0.035 χ^2/NDF: 382772.0/72

In: 114.570+/-0.031 χ^2/NDF:340076.7/56

Out: 105.202+/-0.030 χ^2/NDF:1388483.6/63

All: 109.713+/-0.022 χ^2/NDF: 1775297.4/120

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

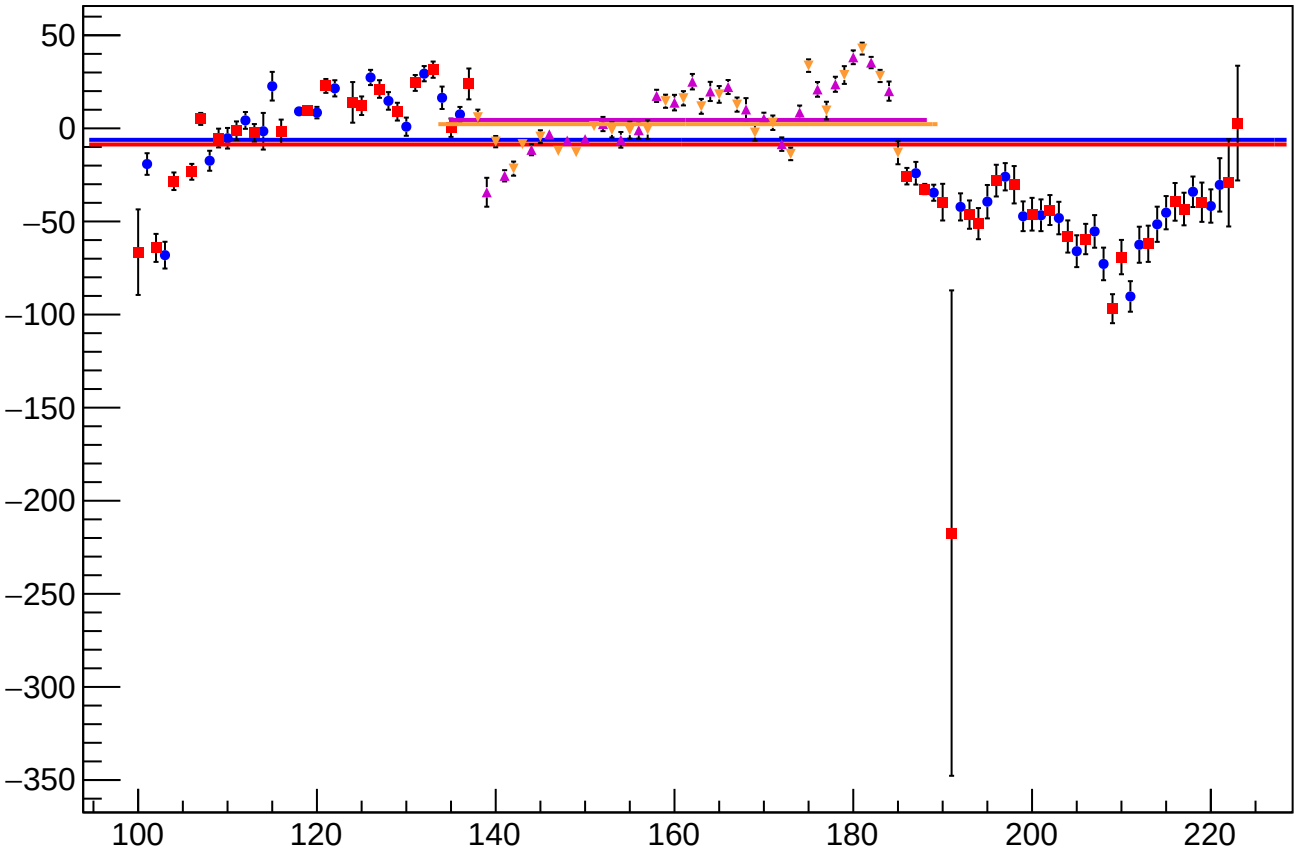
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 199.711+/-0.558 χ^2/NDF: 9796.2/72

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.419+/-0.581 χ^2/NDF:10525.2/63

All: 197.180+/-0.425 χ^2/NDF: 15580.8/120



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

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

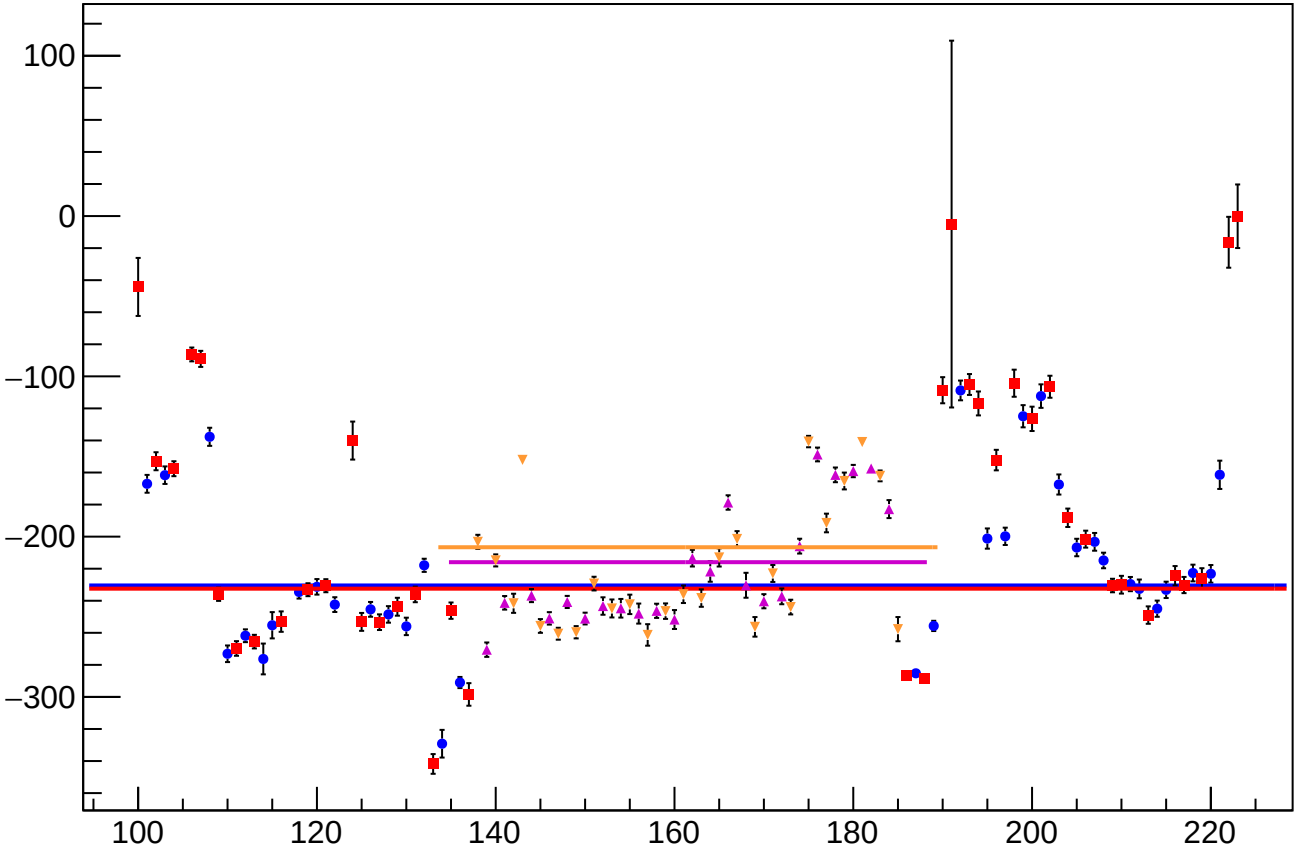
Right: -7.496+/-0.650 χ^2/NDF: 1898.2/72

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.663+/-0.532 χ^2/NDF:1679.0/63

All: -0.577+/-0.390 χ^2/NDF: 3228.3/120

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

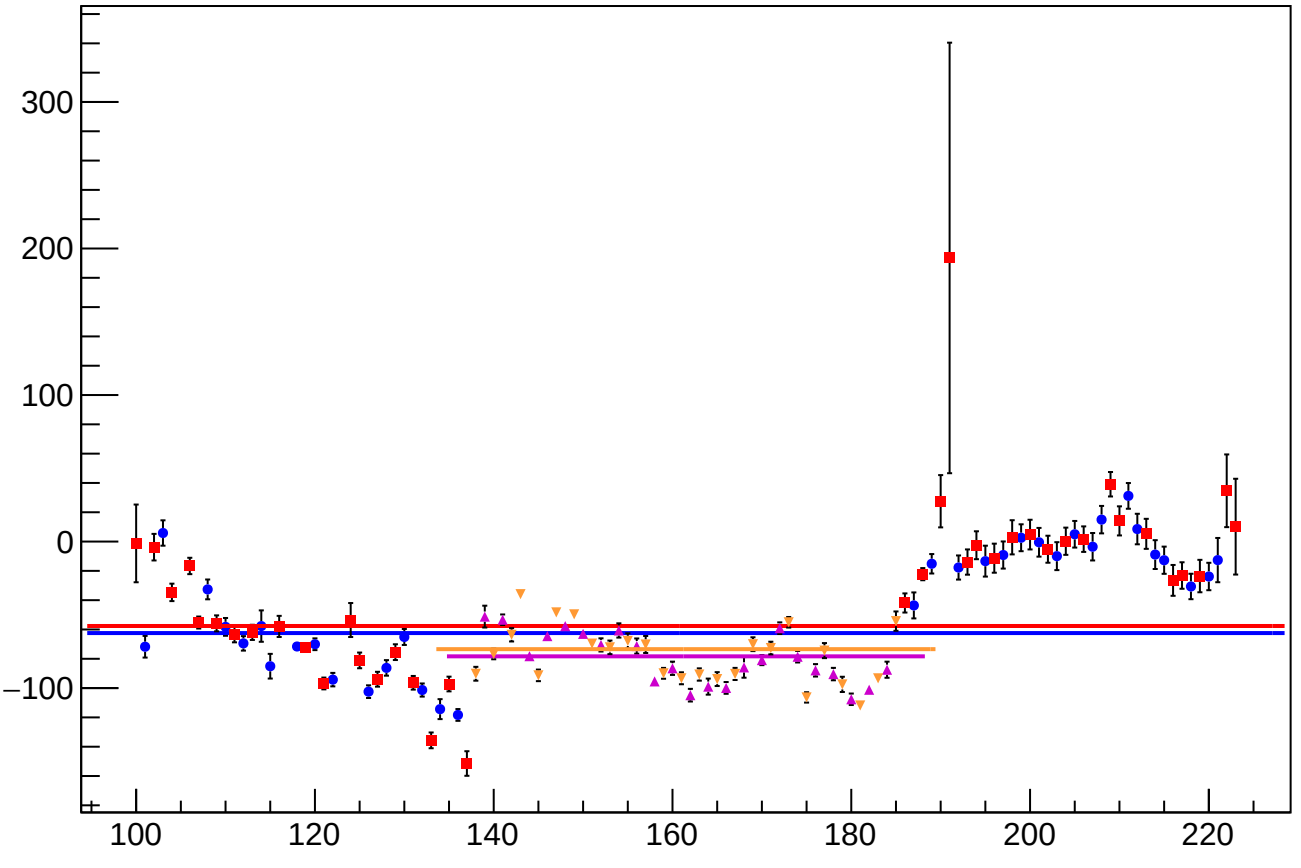
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -231.567+/-0.576 χ^2/NDF: 9756.6/72

In: -223.879+/-0.637 χ^2/NDF:4598.2/56

Out: -221.373+/-0.586 χ^2/NDF:9940.4/63

All: -222.522+/-0.431 χ^2/NDF: 14547.0/120



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

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

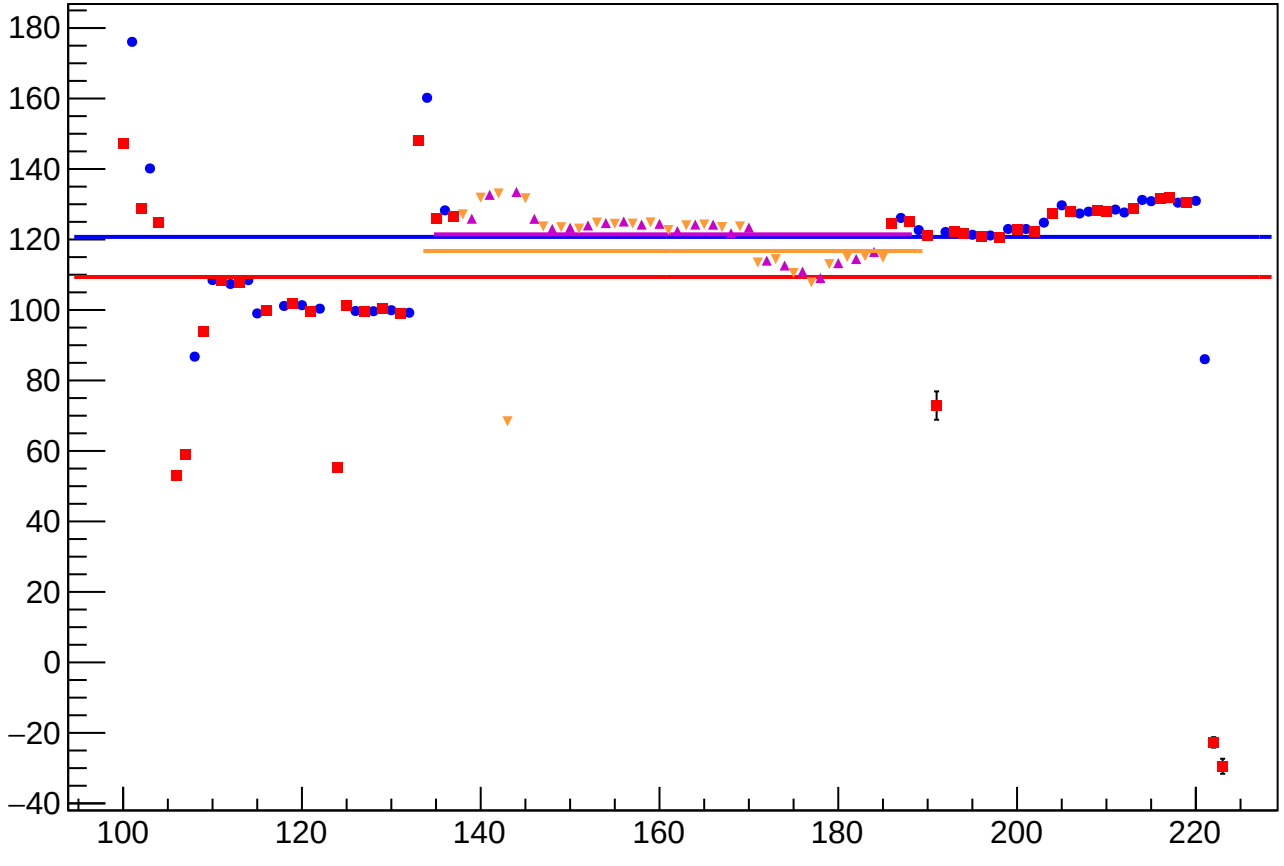
Right: -59.914+/-0.763 χ^2/NDF: 2693.0/72

In: -72.725+/-0.658 χ^2/NDF:1844.2/56

Out: -67.954+/-0.620 χ^2/NDF:2399.0/63

All: -70.200+/-0.451 χ^2/NDF: 4271.0/120

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

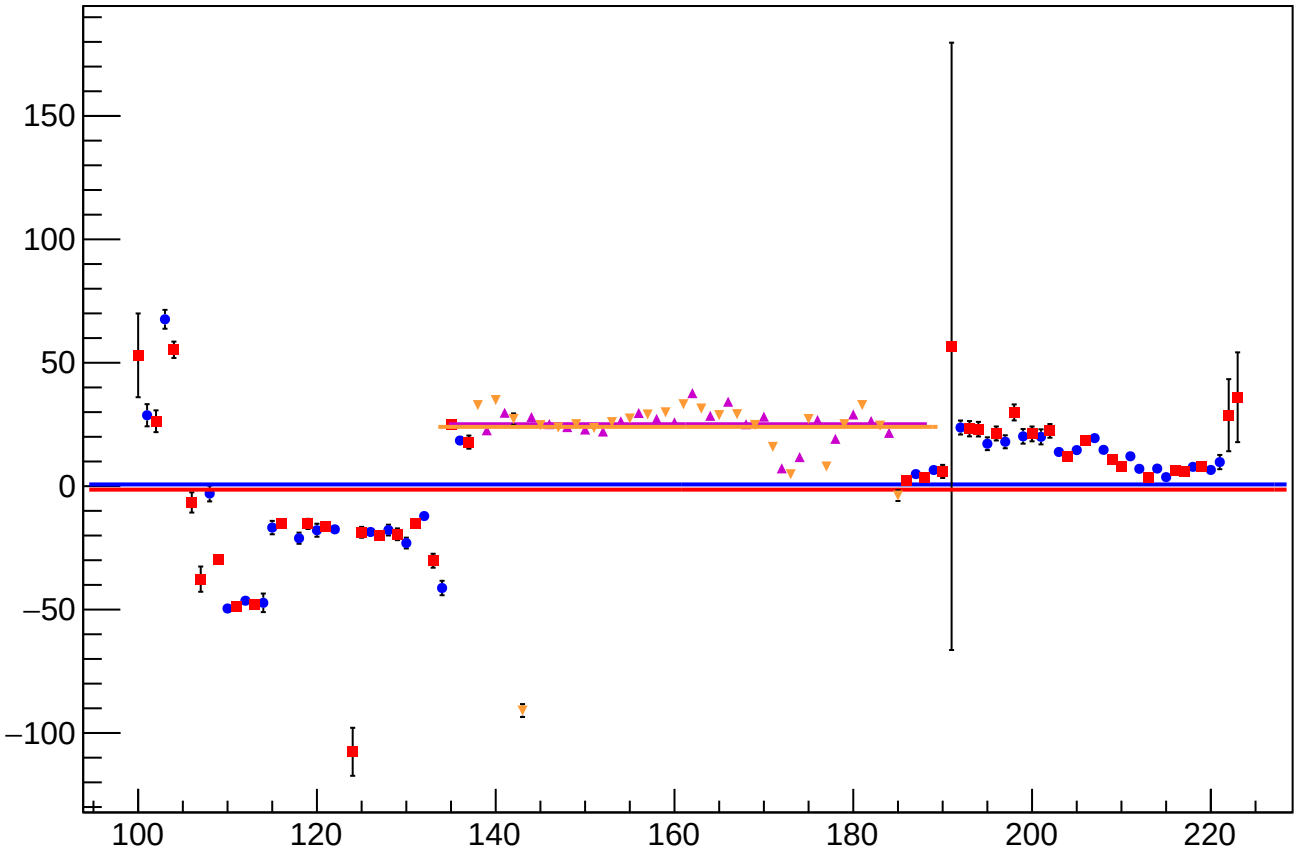
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.622+/-0.040 χ^2/NDF: 352493.8/72

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.495+/-0.030 χ^2/NDF:446633.3/63

All: 117.701+/-0.022 χ^2/NDF: 601823.1/120



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

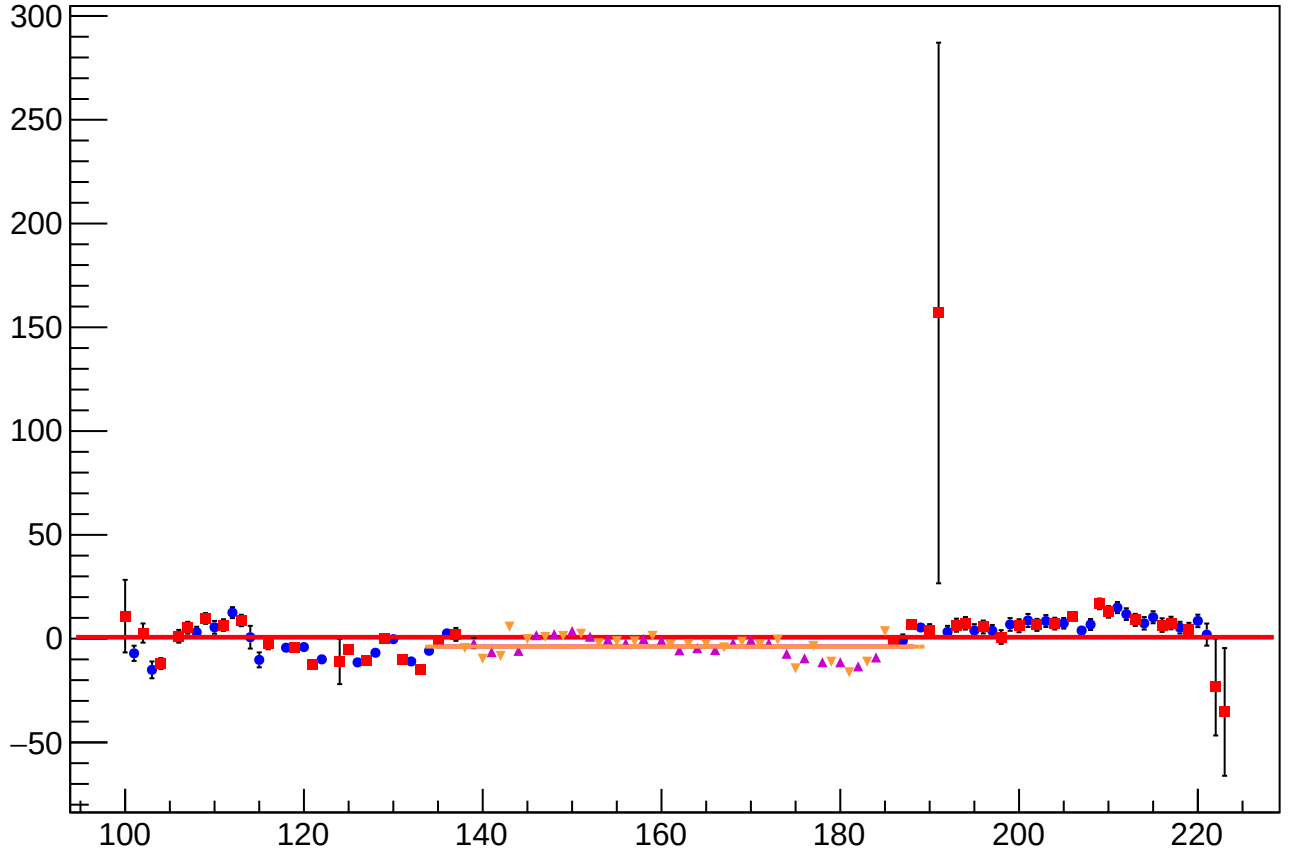
Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

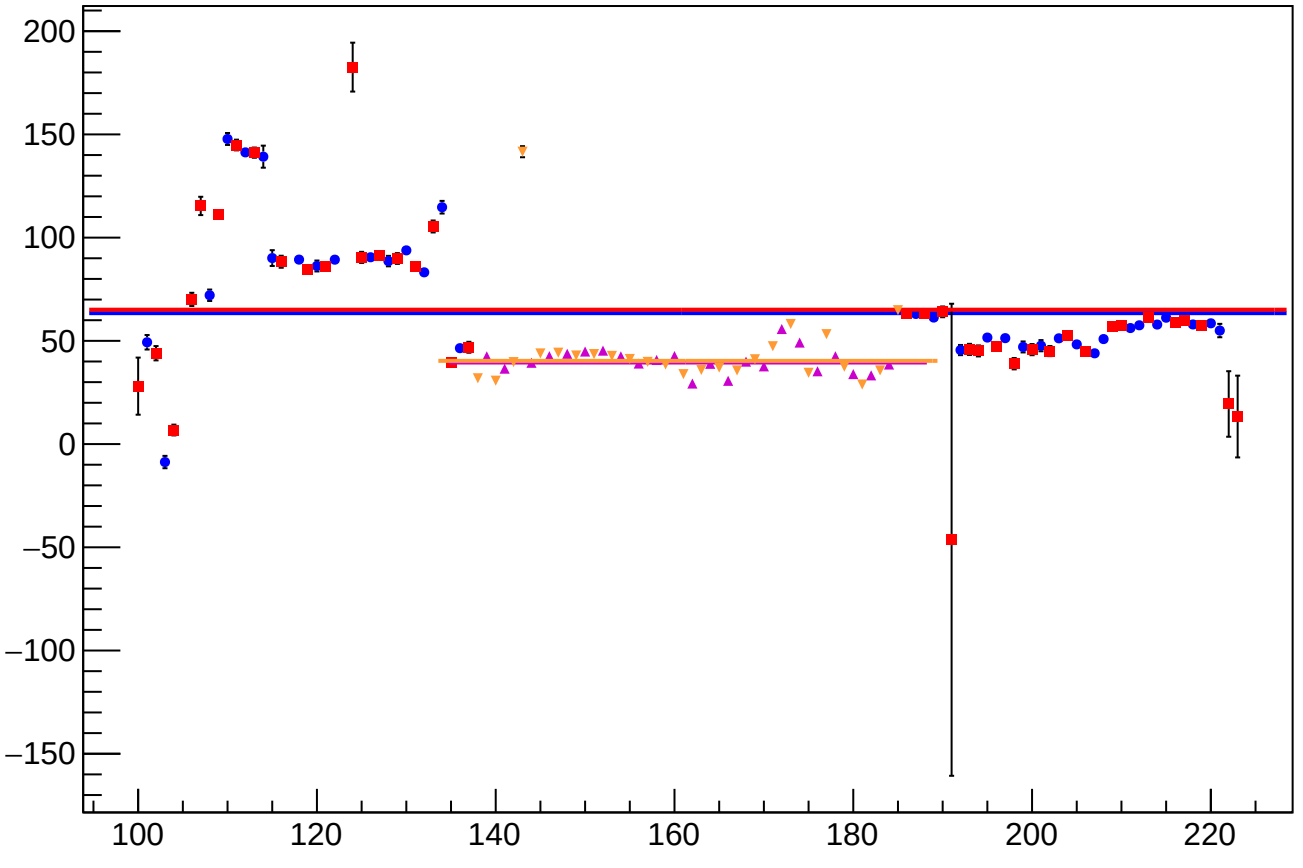
Right: -0.371+/-0.236 χ^2/NDF: 7755.5/72

In: 14.847+/-0.219 χ^2/NDF:7280.0/56

Out: 13.343+/-0.215 χ^2/NDF:10196.6/63

All: 14.081+/-0.153 χ^2/NDF: 17500.6/120


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
120
140
160
180
200
220
Right In: 0.553+/-0.425 χ²/NDF: 296.8/33
Left Out: -3.845+/-0.218 χ²/NDF:649.4/24
Right Out: 0.838+/-0.417 χ²/NDF: 367.1/38
Left In: -3.780+/-0.224 χ²/NDF:509.8/22
Left: -3.813+/-0.156 χ²/NDF: 1159.2/47
Right: 0.698+/-0.298 χ²/NDF: 664.1/72
In: -2.842+/-0.198 χ²/NDF:888.0/56
Out: -2.840+/-0.193 χ²/NDF:1115.7/63
All: -2.841+/-0.138 χ²/NDF: 2003.7/120



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

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

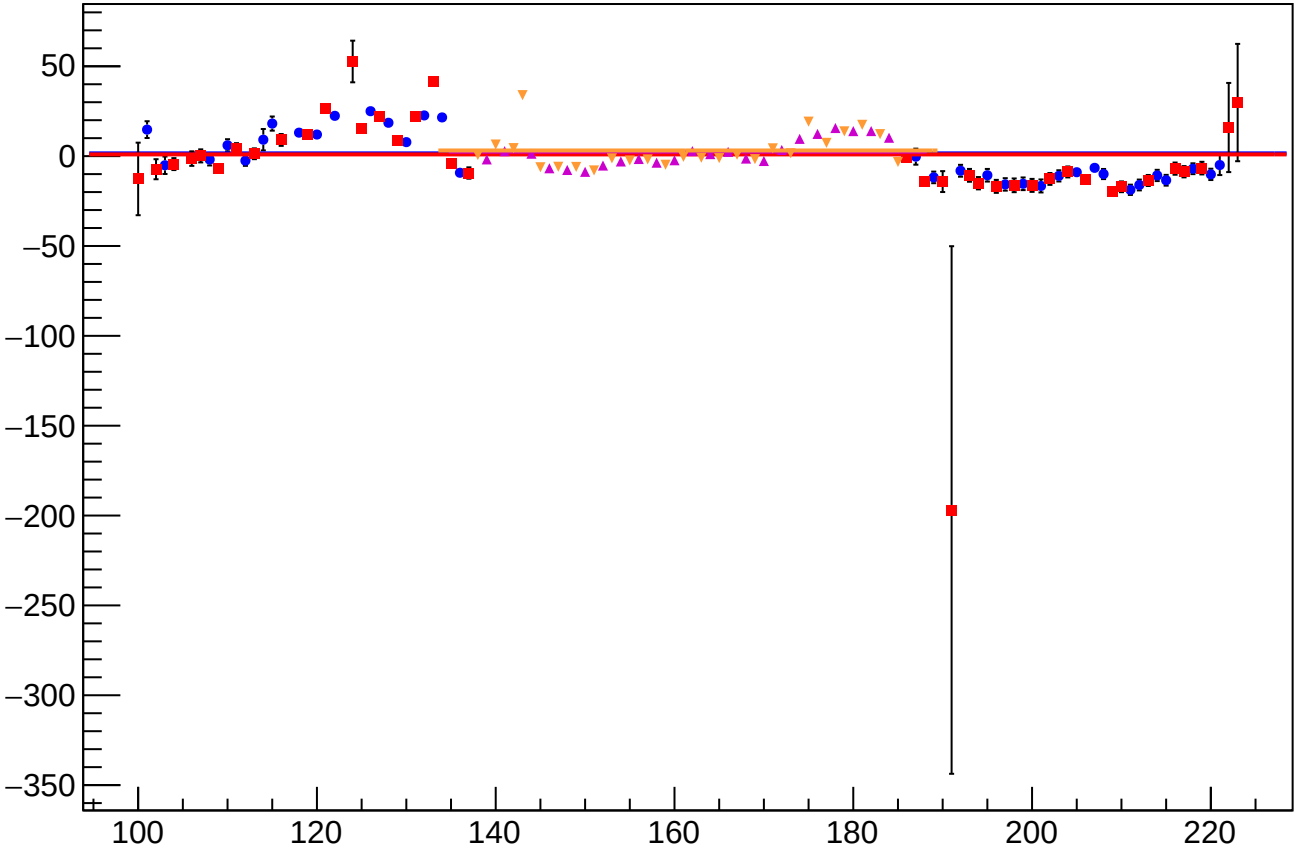
Right: 64.290+/-0.242 χ^2/NDF: 9603.3/72

In: 49.005+/-0.221 χ^2/NDF:7936.9/56

Out: 50.507+/-0.215 χ^2/NDF:10288.5/63

All: 49.776+/-0.154 χ^2/NDF: 18249.2/120

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

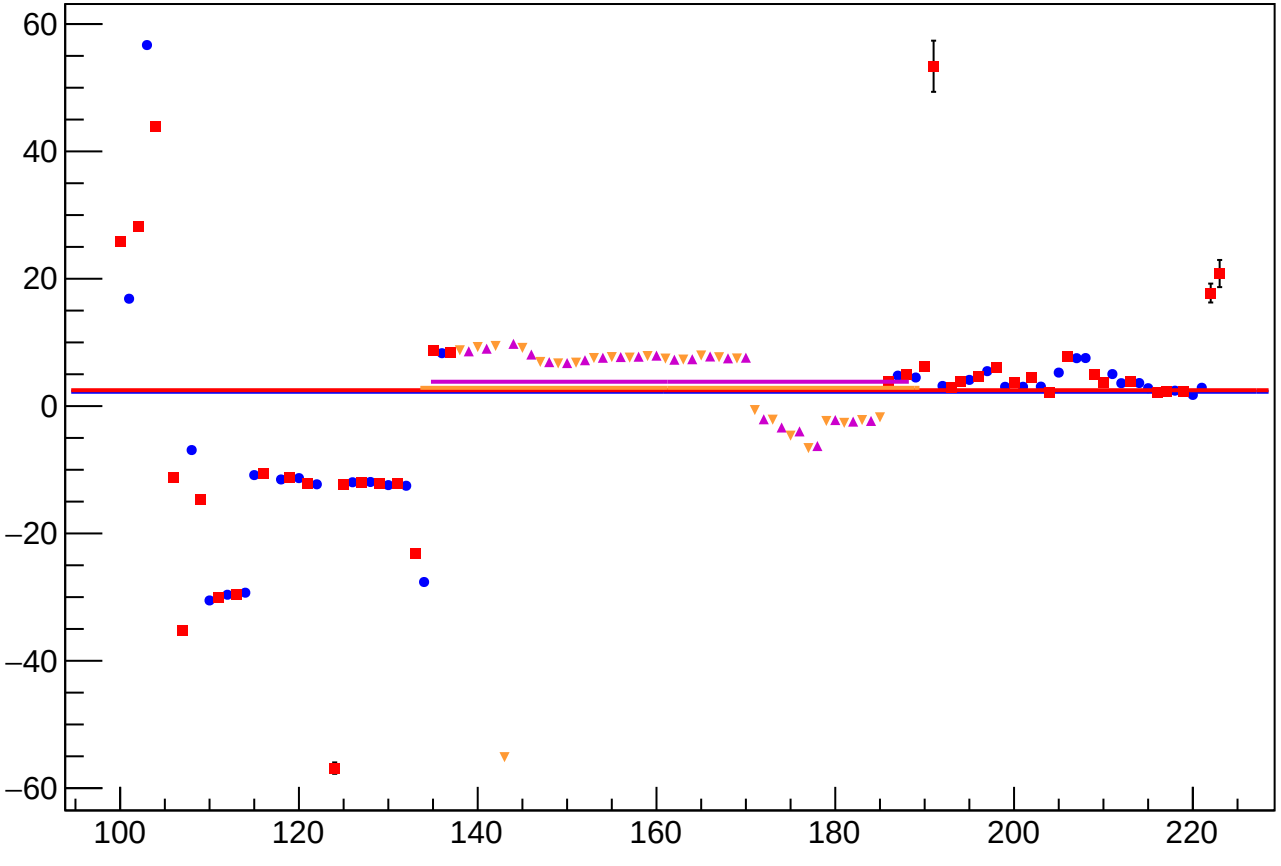
Right: 1.250+/-0.342 χ^2/NDF: 1923.7/72

In: 2.309+/-0.223 χ^2/NDF:1846.3/56

Out: 2.696+/-0.219 χ^2/NDF:2331.4/63

All: 2.506+/-0.156 χ^2/NDF: 4179.2/120

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

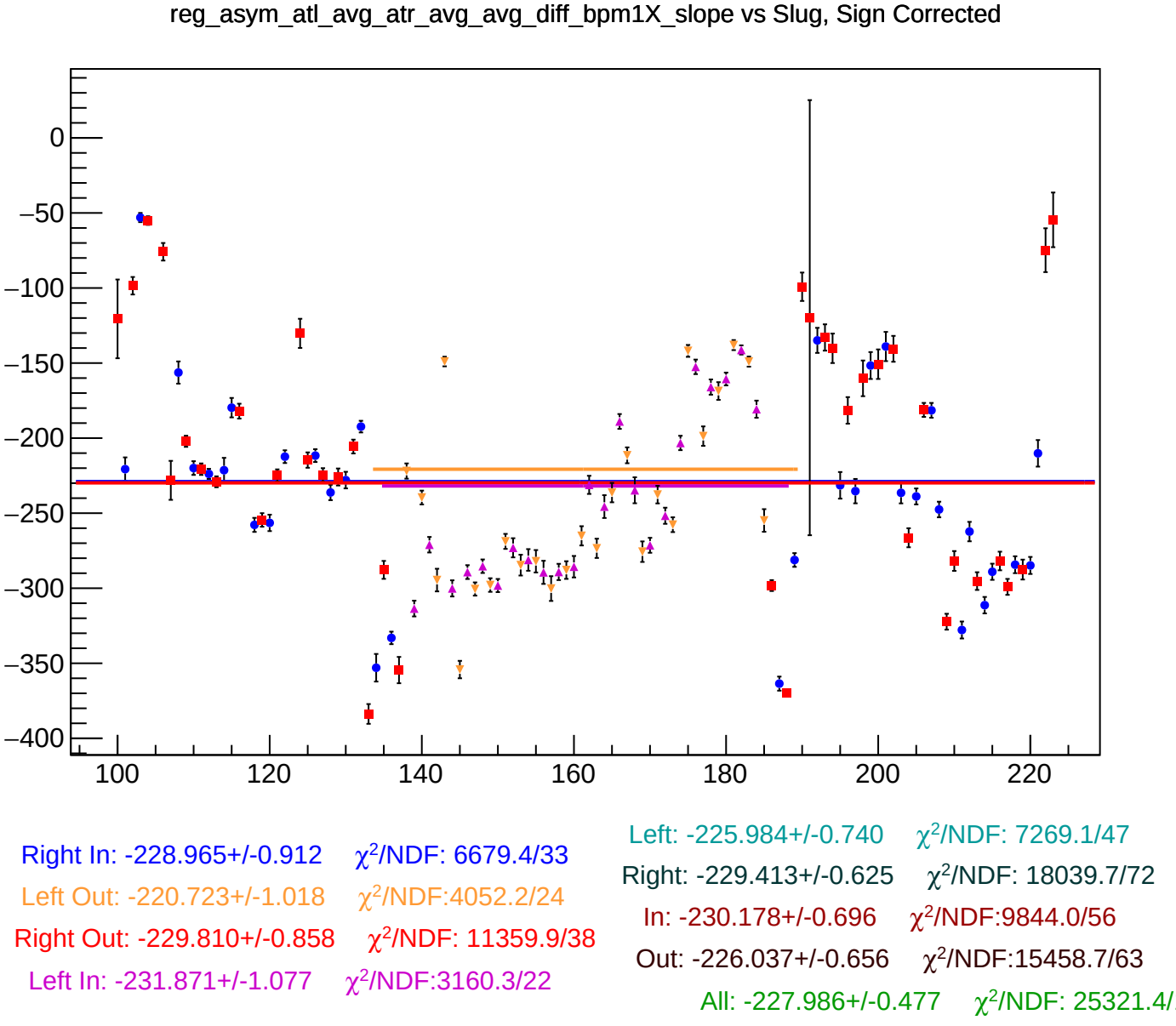
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.371+/-0.016 χ^2/NDF: 714022.4/72

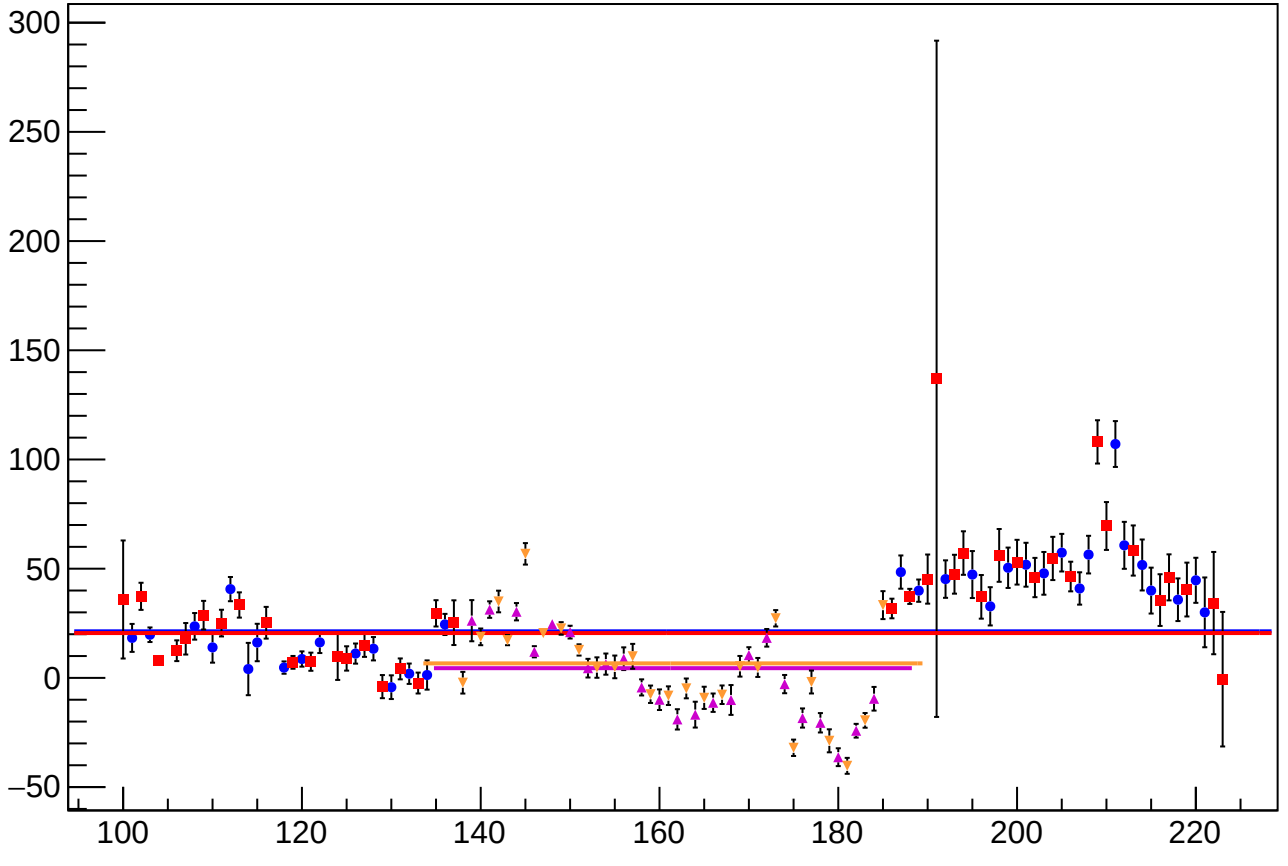
In: 3.530+/-0.010 χ^2/NDF:620016.6/56

Out: 2.802+/-0.010 χ^2/NDF:843485.9/63

All: 3.164+/-0.007 χ^2/NDF: 1466166.1/120


reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
220
Right In: -228.965+/-0.912 χ²/NDF: 6679.4/33
Left Out: -220.723+/-1.018 χ²/NDF:4052.2/24
Right Out: -229.810+/-0.858 χ²/NDF: 11359.9/38
Left In: -231.871+/-1.077 χ²/NDF:3160.3/22
Left: -225.984+/-0.740 χ²/NDF: 7269.1/47
Right: -229.413+/-0.625 χ²/NDF: 18039.7/72
In: -230.178+/-0.696 χ²/NDF:9844.0/56
Out: -226.037+/-0.656 χ²/NDF:15458.7/63
All: -227.986+/-0.477 χ²/NDF: 25321.4/120

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

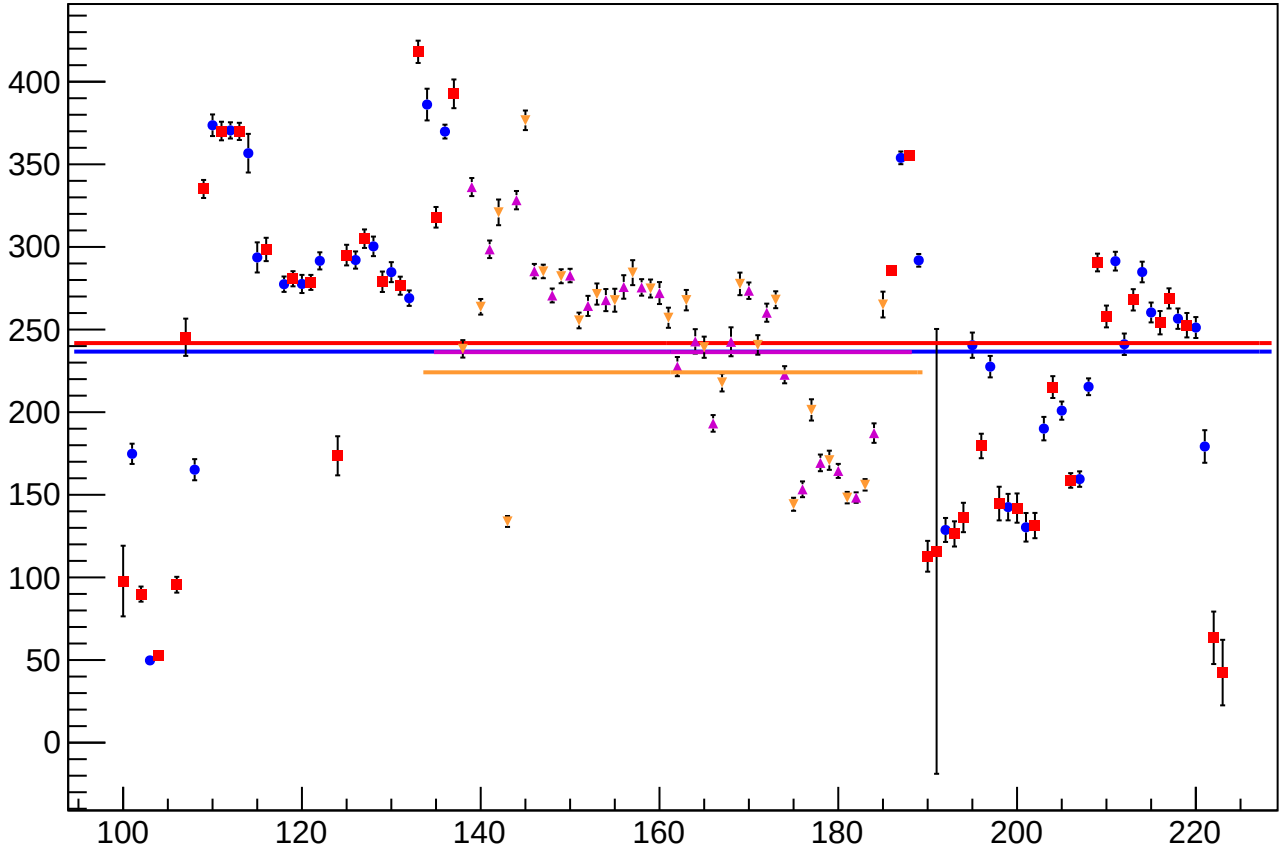
Right: 20.891+/-0.707 χ^2/NDF: 706.0/72

In: 10.758+/-0.639 χ^2/NDF:1058.3/56

Out: 11.914+/-0.593 χ^2/NDF:1242.2/63

All: 11.379+/-0.434 χ^2/NDF: 2302.3/120

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

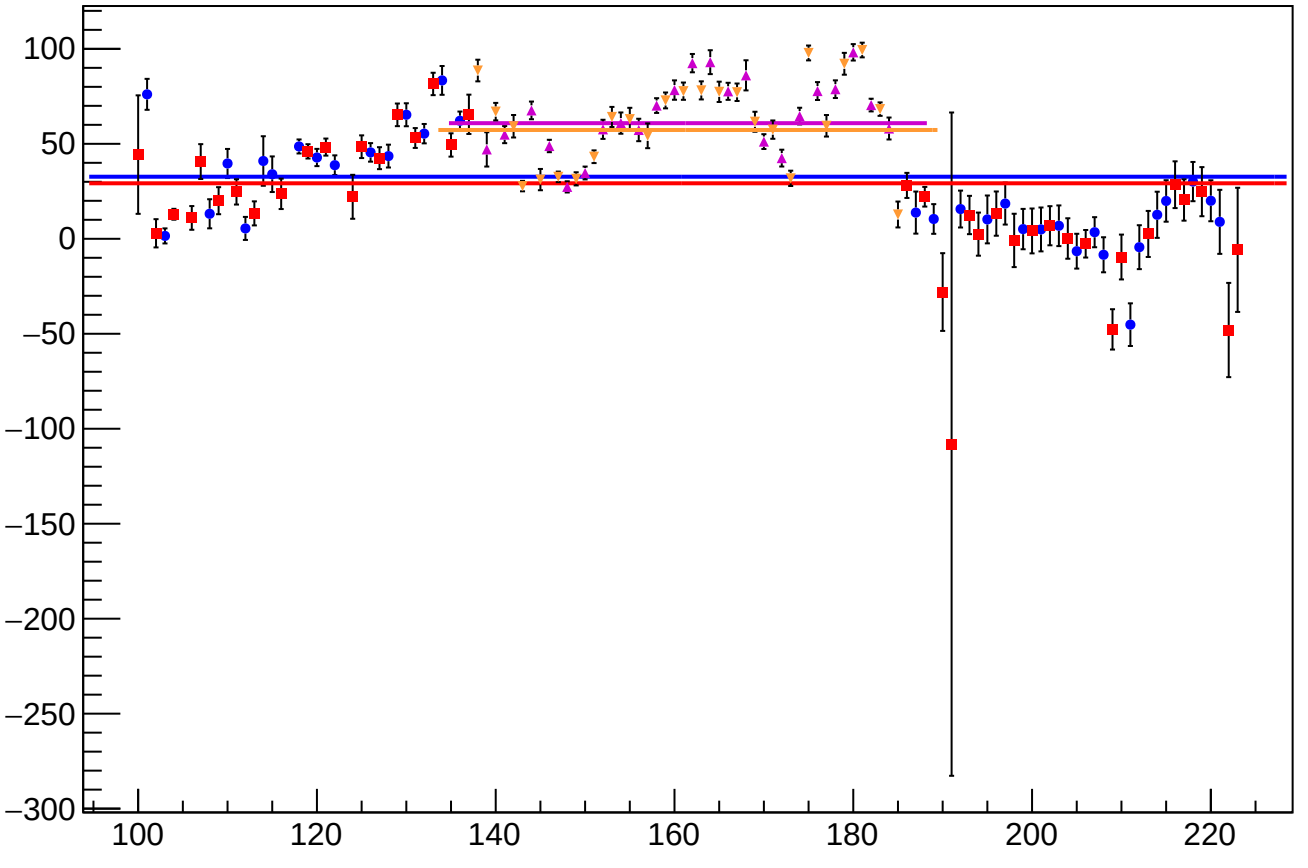
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 239.473+/-0.626 χ^2/NDF: 28991.5/72

In: 236.521+/-0.700 χ^2/NDF:14636.9/56

Out: 234.543+/-0.650 χ^2/NDF:21476.8/63

All: 235.459+/-0.476 χ^2/NDF: 36118.0/120



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

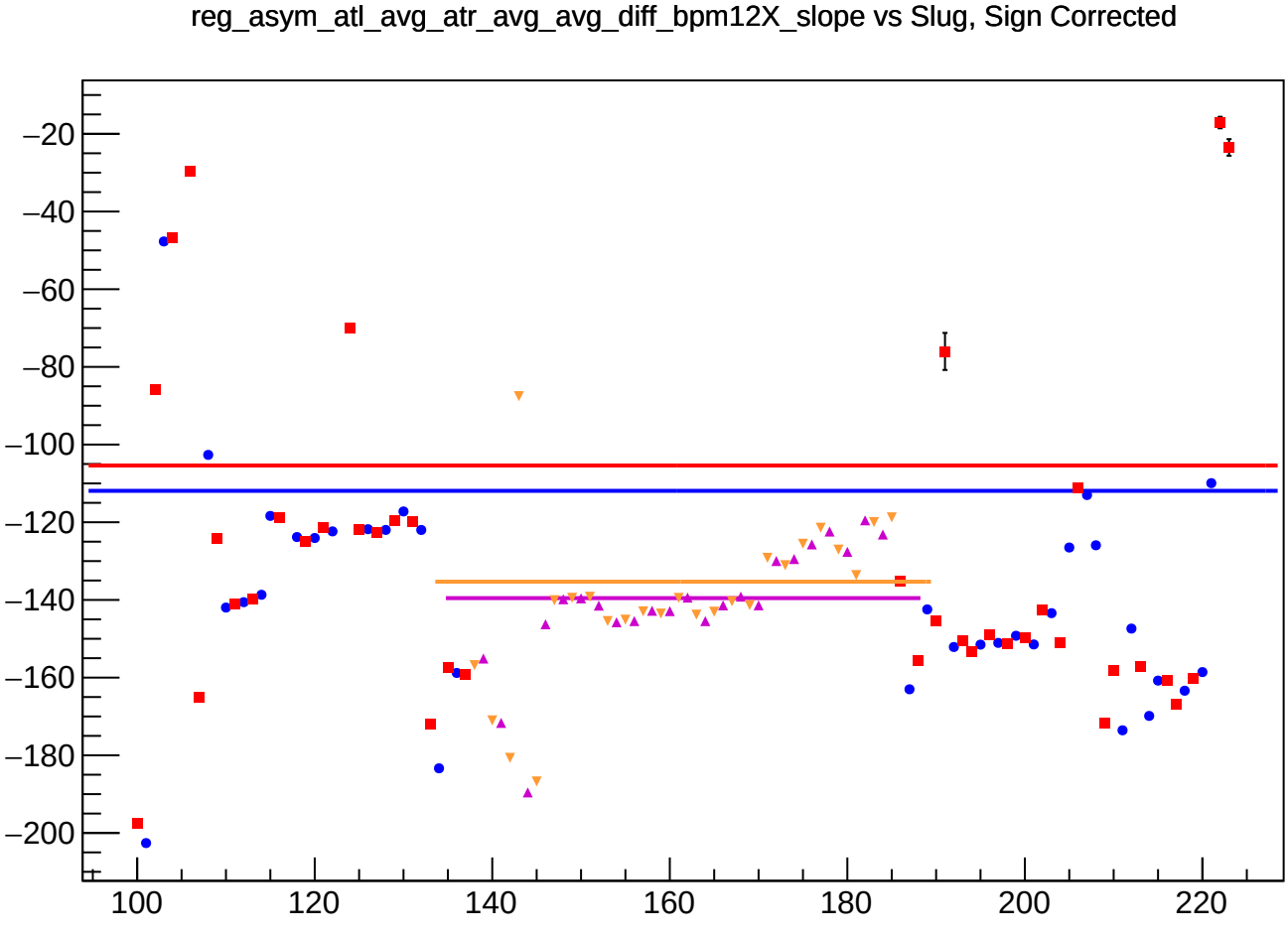
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 30.852+/-0.834 χ^2/NDF: 861.0/72

In: 50.556+/-0.735 χ^2/NDF:1235.2/56

Out: 47.068+/-0.692 χ^2/NDF:1566.8/63

All: 48.708+/-0.504 χ^2/NDF: 2813.9/120



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

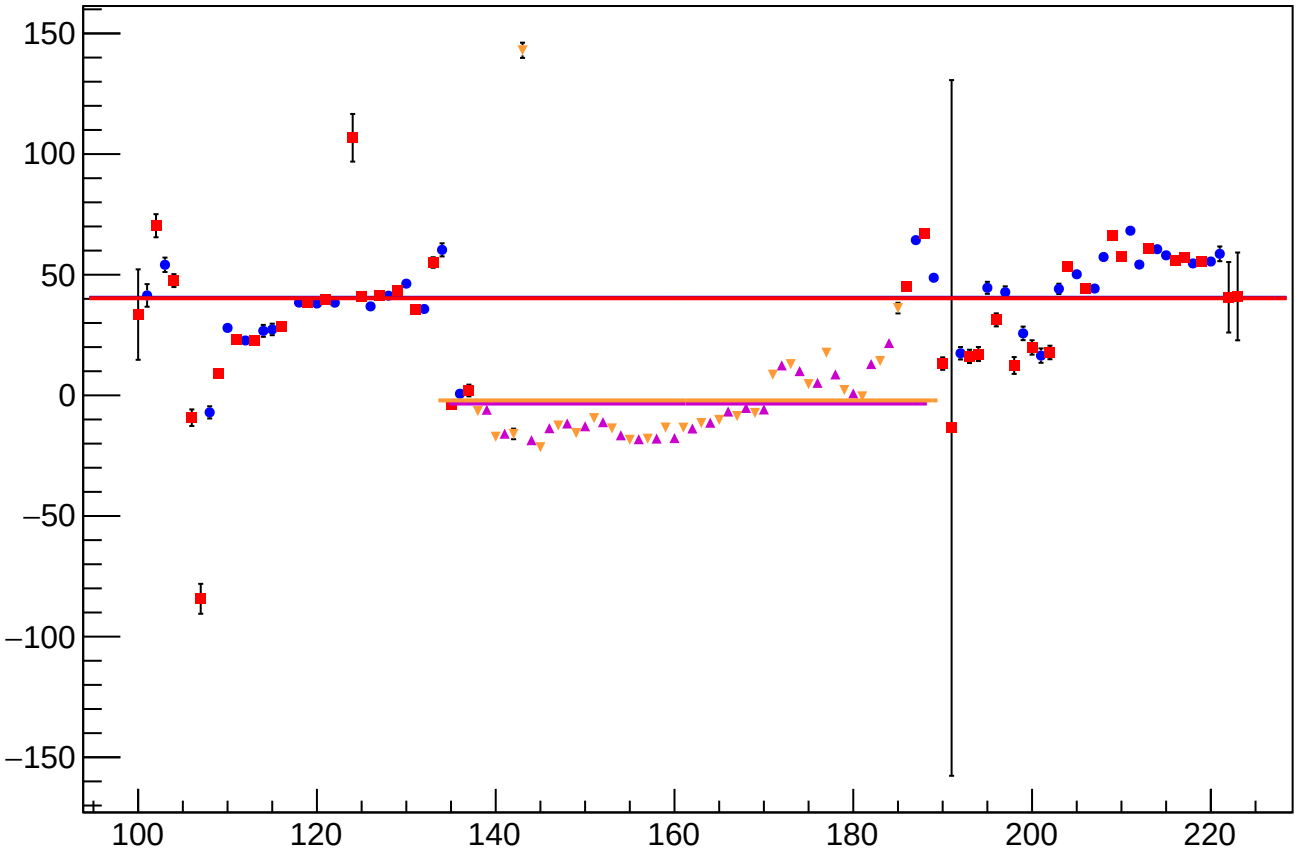
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -108.550+/-0.039 χ^2/NDF: 1502588.4/72

In: -129.690+/-0.034 χ^2/NDF:981215.3/56

Out: -124.746+/-0.033 χ^2/NDF:1237110.4/63

All: -127.133+/-0.023 χ^2/NDF: 2229403.9/12



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

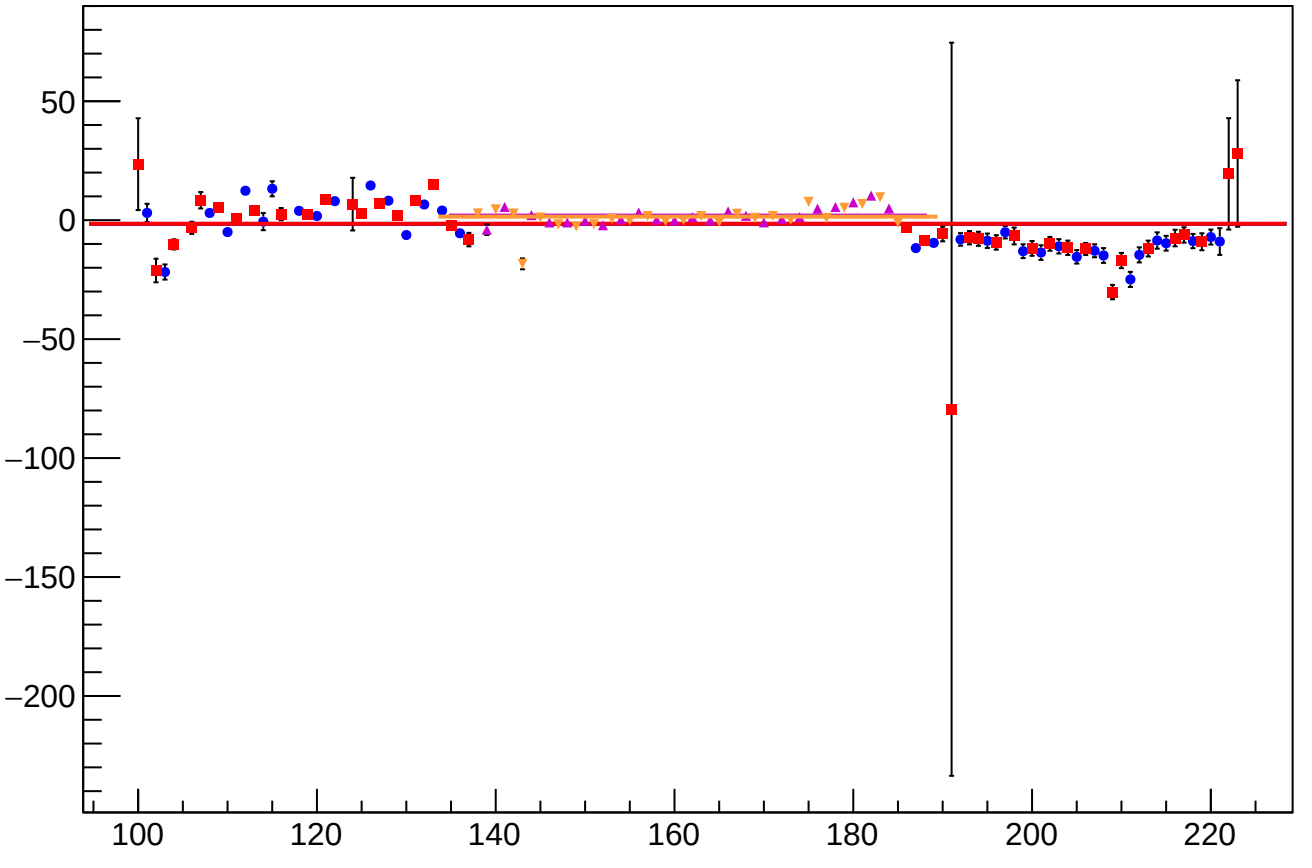
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 40.338+/-0.207 χ^2/NDF: 9083.3/72

In: 15.989+/-0.203 χ^2/NDF:16798.6/56

Out: 17.876+/-0.194 χ^2/NDF:21659.6/63

All: 16.974+/-0.140 χ^2/NDF: 38503.5/120



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

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

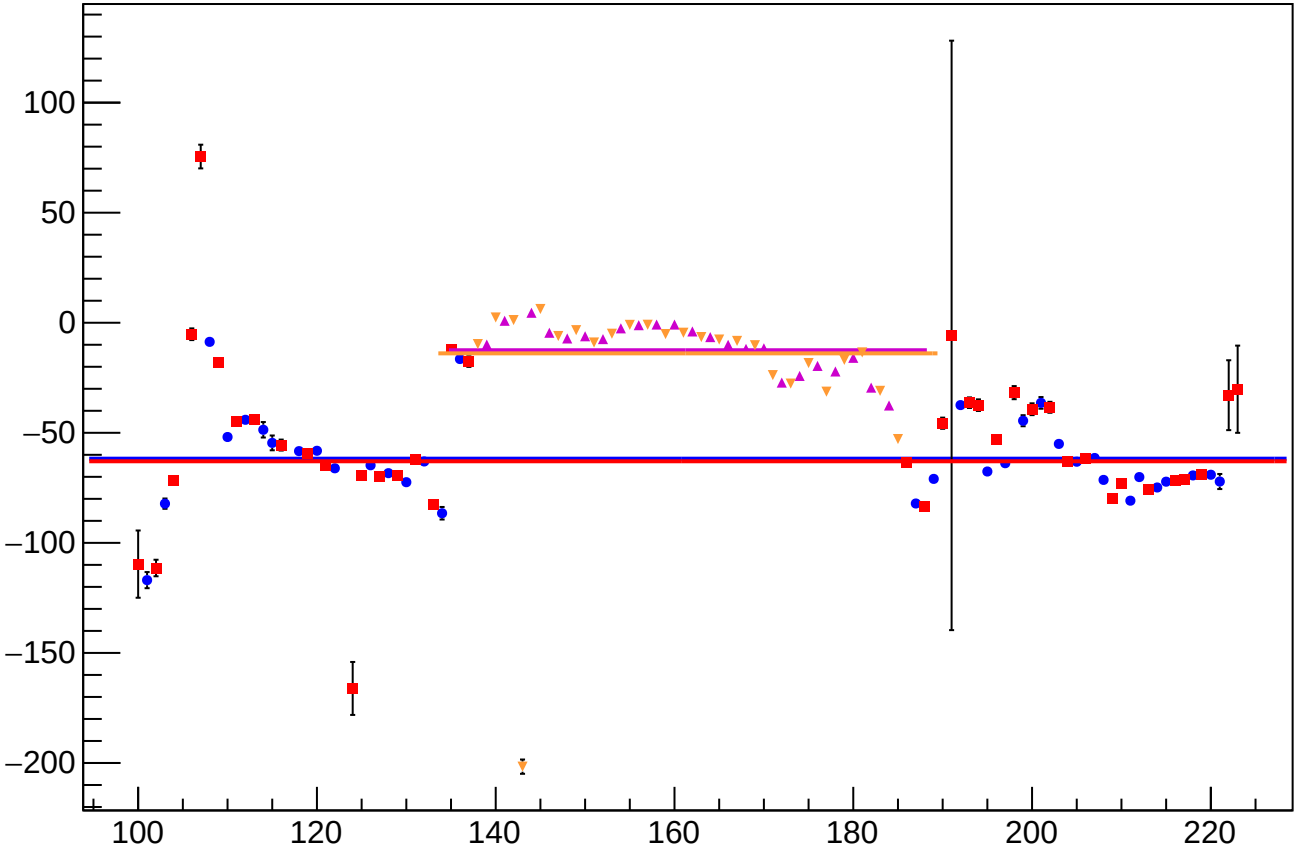
Right: -1.545+/-0.251 χ^2/NDF: 1159.7/72

In: 1.059+/-0.182 χ^2/NDF:919.5/56

Out: 0.708+/-0.176 χ^2/NDF:934.6/63

All: 0.877+/-0.127 χ^2/NDF: 1856.1/120

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

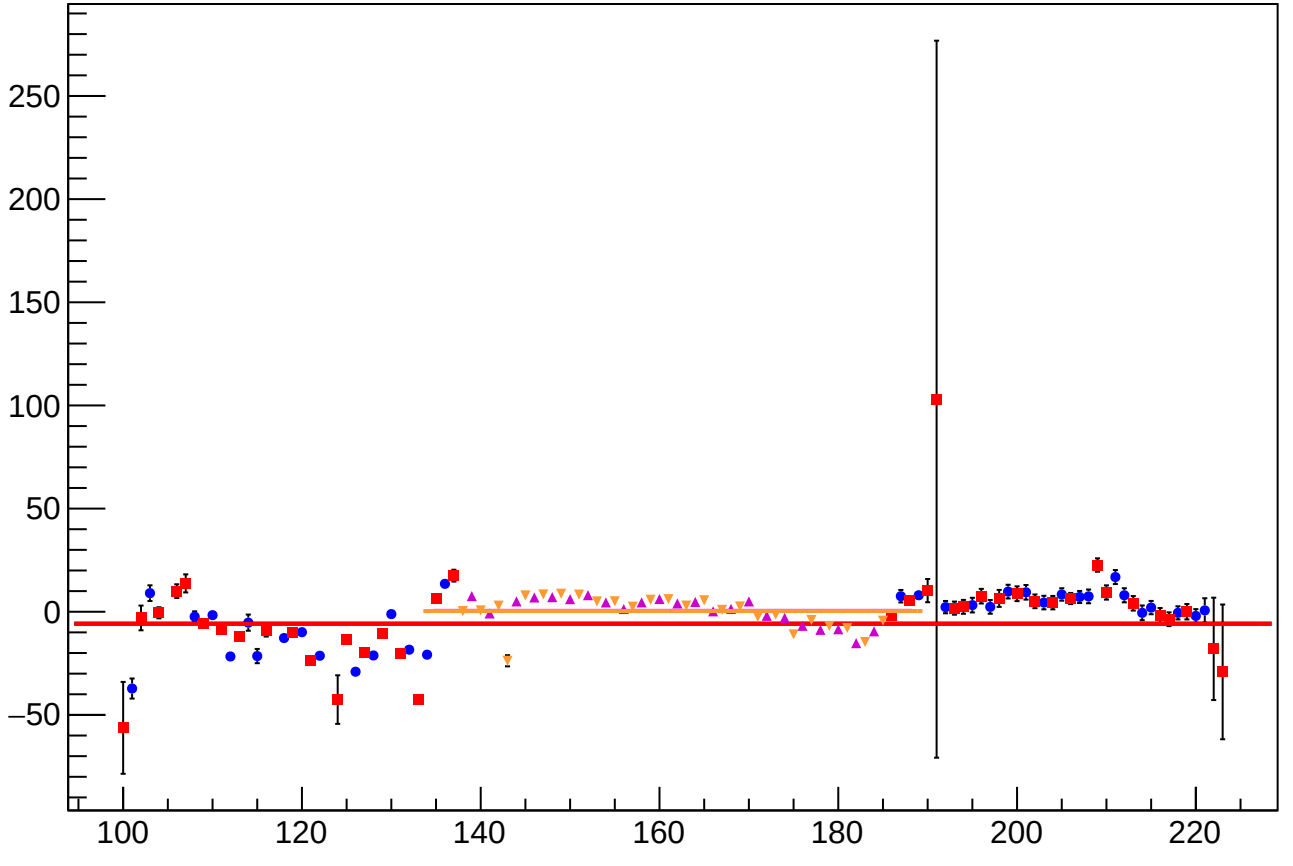
Right: -62.414+/-0.211 χ^2/NDF: 9443.2/72

In: -33.028+/-0.205 χ^2/NDF:19147.7/56

Out: -36.881+/-0.193 χ^2/NDF:26929.6/63

All: -35.073+/-0.141 χ^2/NDF: 46264.4/120

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

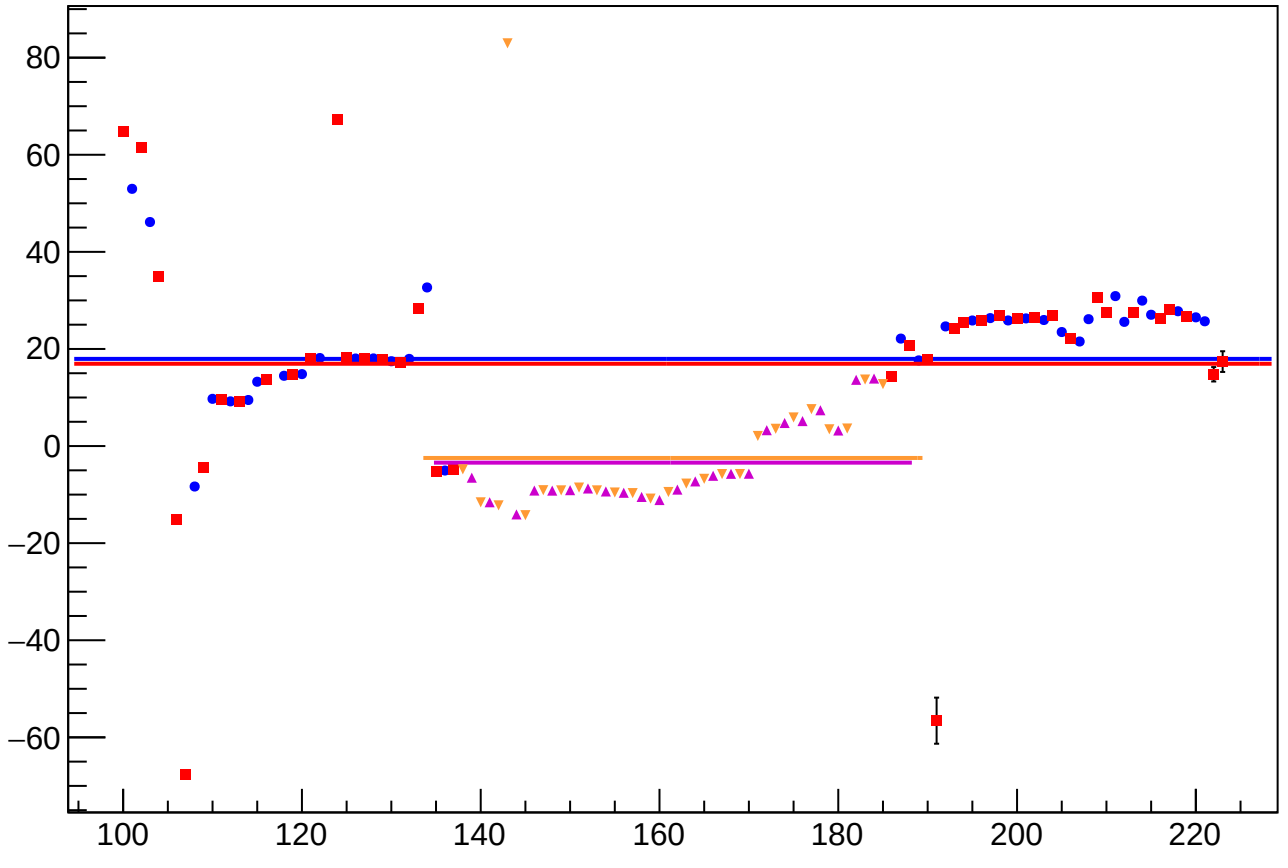
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.810+/-0.295 χ^2/NDF: 2070.5/72

In: -1.042+/-0.206 χ^2/NDF:1959.3/56

Out: -1.150+/-0.202 χ^2/NDF:2151.6/63

All: -1.097+/-0.144 χ^2/NDF: 4111.0/120



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

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

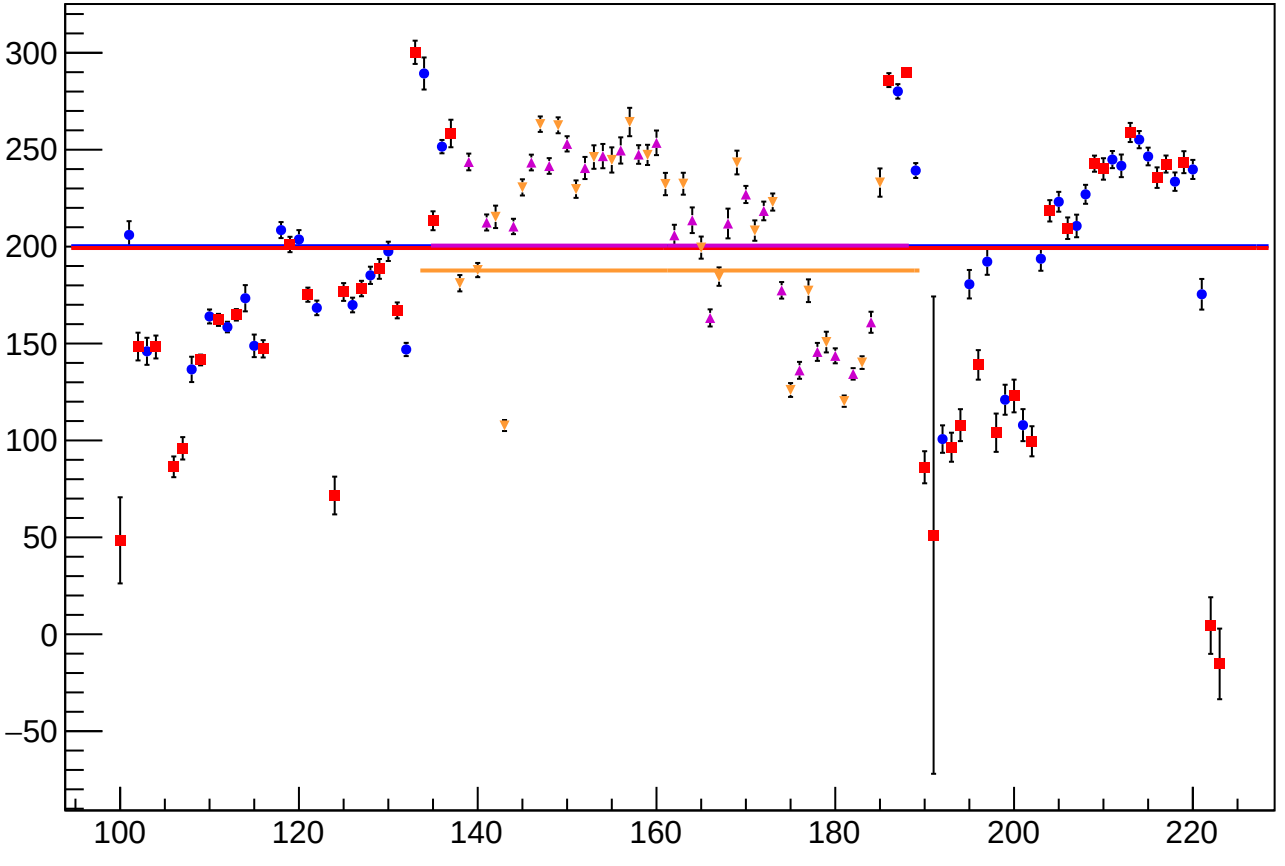
Right: 17.454+/-0.015 χ^2/NDF: 1044707.7/72

In: 0.685+/-0.009 χ^2/NDF:1812060.1/56

Out: 1.213+/-0.009 χ^2/NDF:2208219.0/63

All: 0.951+/-0.007 χ^2/NDF: 4021870.6/120

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

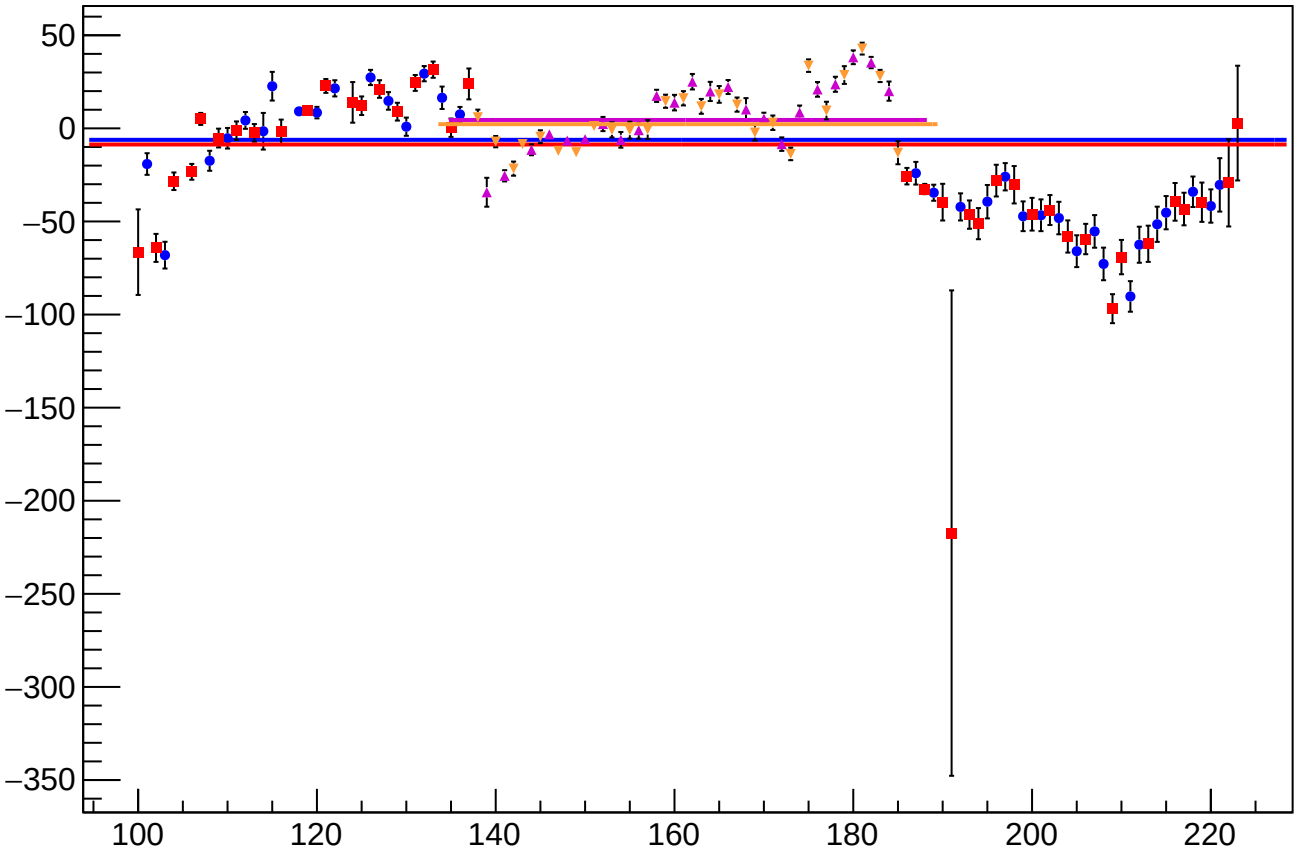
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 199.711+/-0.558 χ^2/NDF: 9796.2/72

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.419+/-0.581 χ^2/NDF:10525.2/63

All: 197.180+/-0.425 χ^2/NDF: 15580.8/120



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

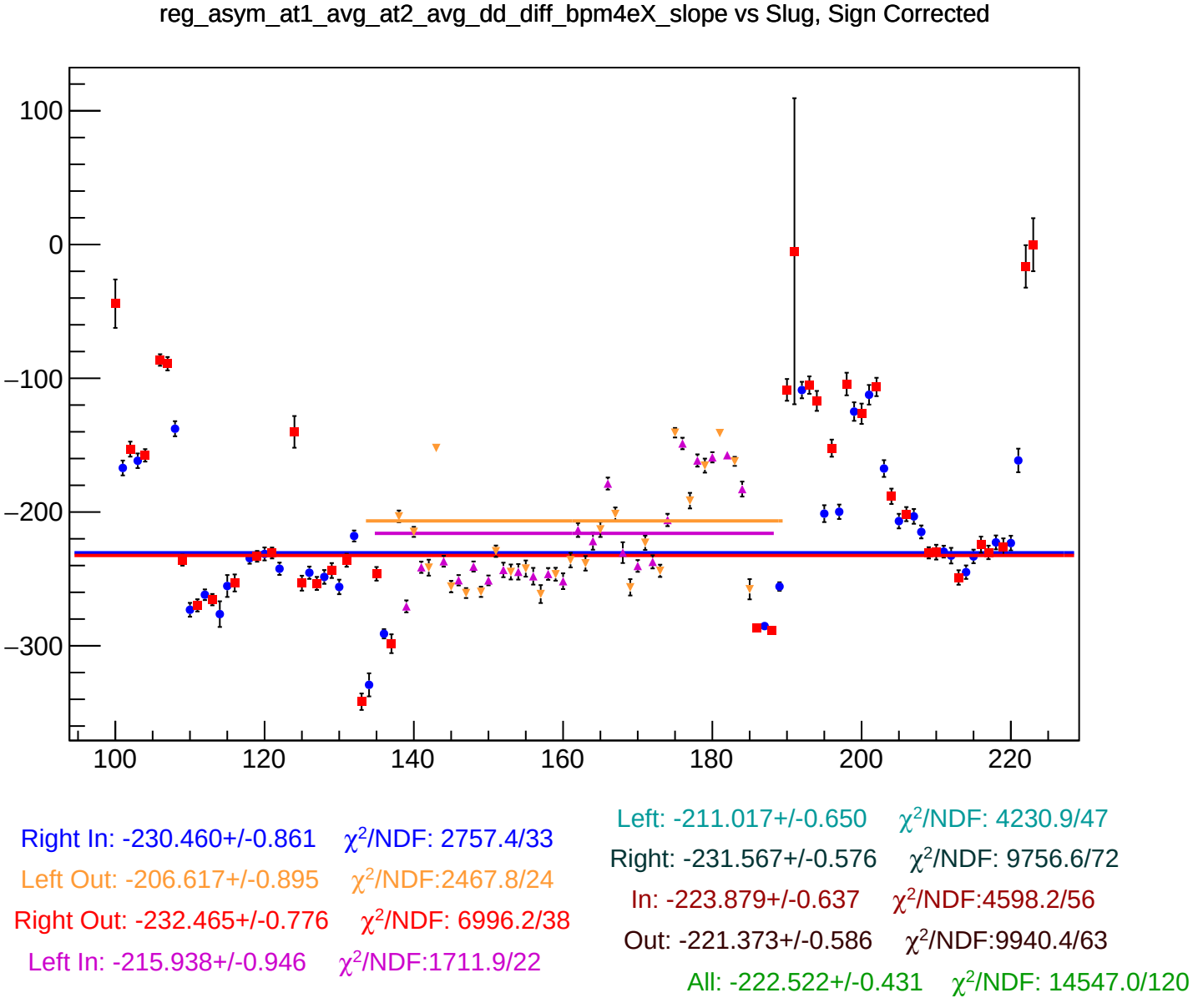
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

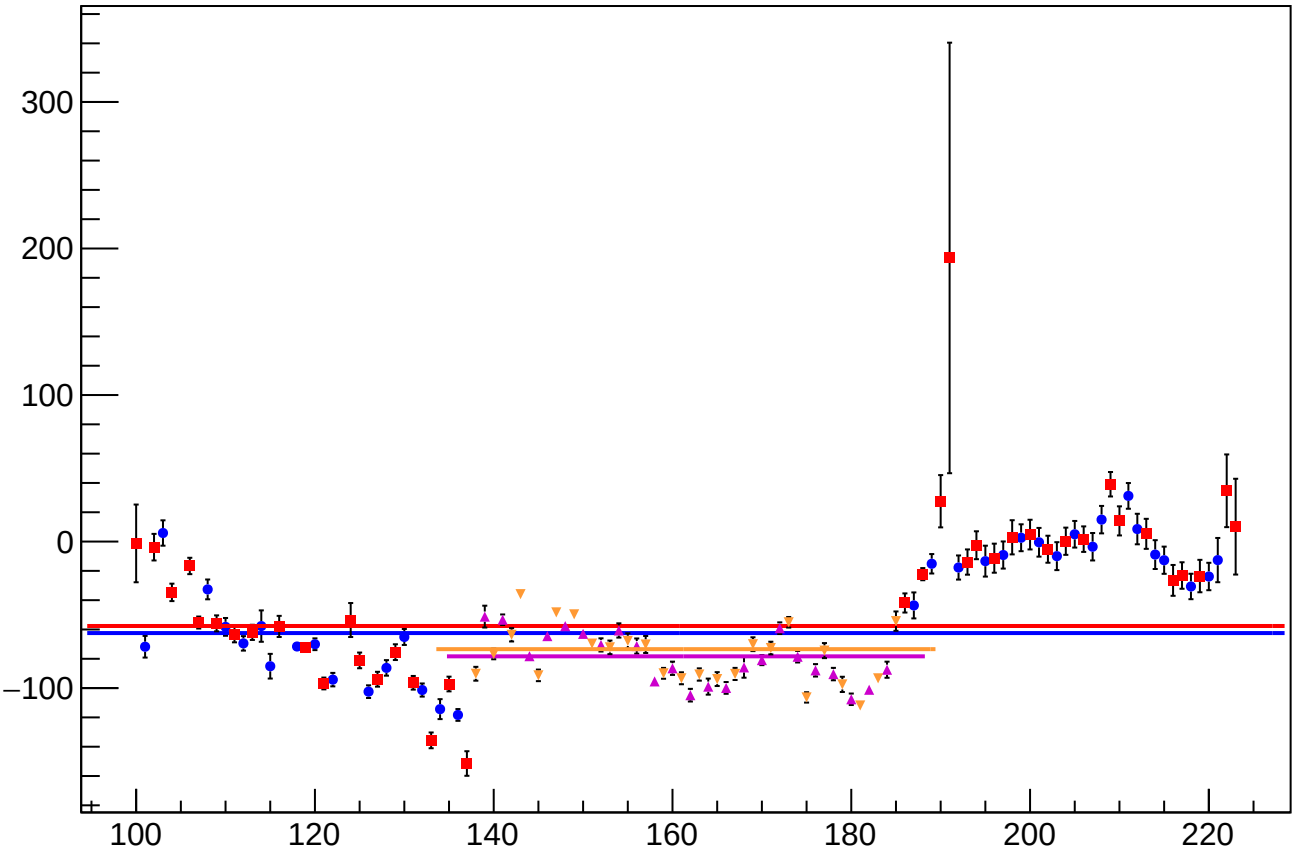
Right: -7.496+/-0.650 χ^2/NDF: 1898.2/72

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.663+/-0.532 χ^2/NDF:1679.0/63

All: -0.577+/-0.390 χ^2/NDF: 3228.3/120


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
220
Right In: -230.460+/-0.861 χ²/NDF: 2757.4/33
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -232.465+/-0.776 χ²/NDF: 6996.2/38
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -231.567+/-0.576 χ²/NDF: 9756.6/72
In: -223.879+/-0.637 χ²/NDF:4598.2/56
Out: -221.373+/-0.586 χ²/NDF:9940.4/63
All: -222.522+/-0.431 χ²/NDF: 14547.0/120



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

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

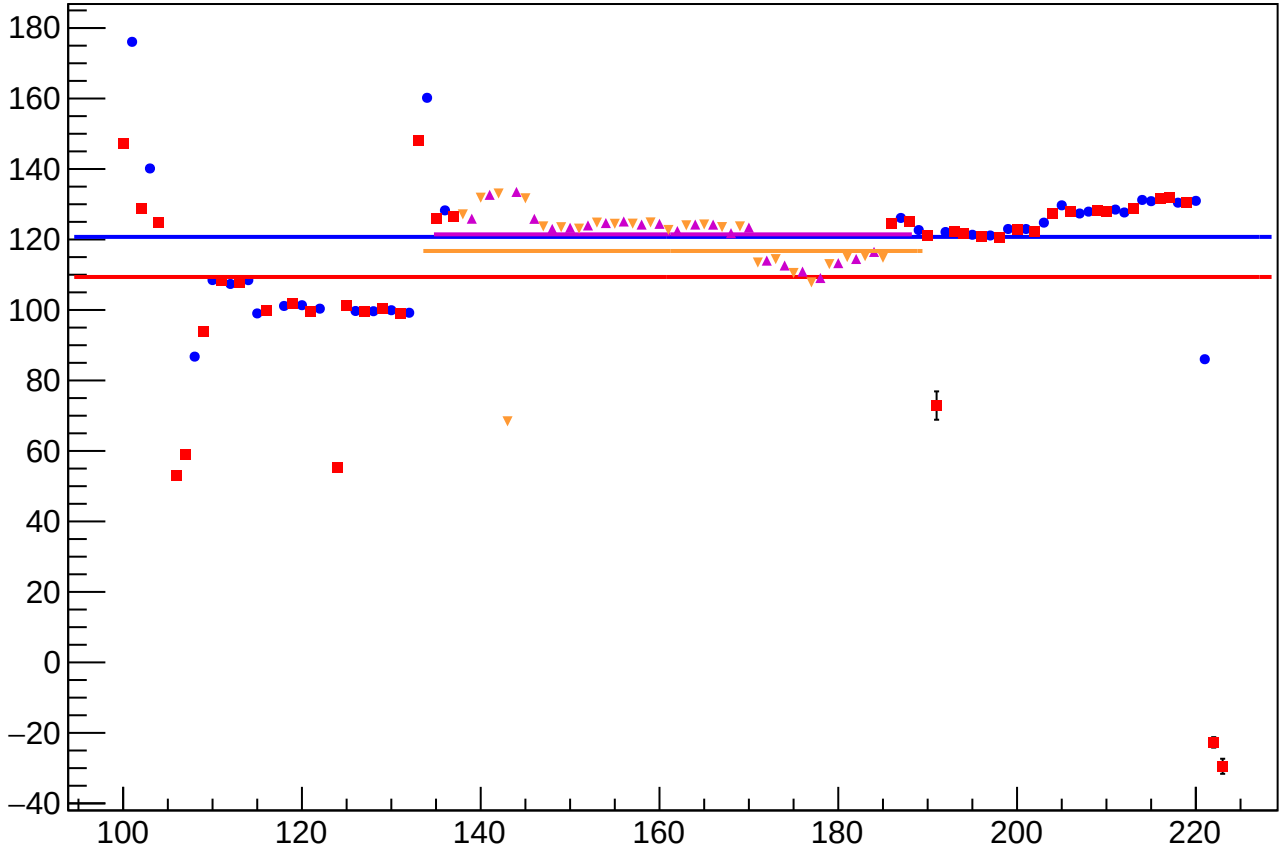
Right: -59.914+/-0.763 χ^2/NDF: 2693.0/72

In: -72.725+/-0.658 χ^2/NDF:1844.2/56

Out: -67.954+/-0.620 χ^2/NDF:2399.0/63

All: -70.200+/-0.451 χ^2/NDF: 4271.0/120

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

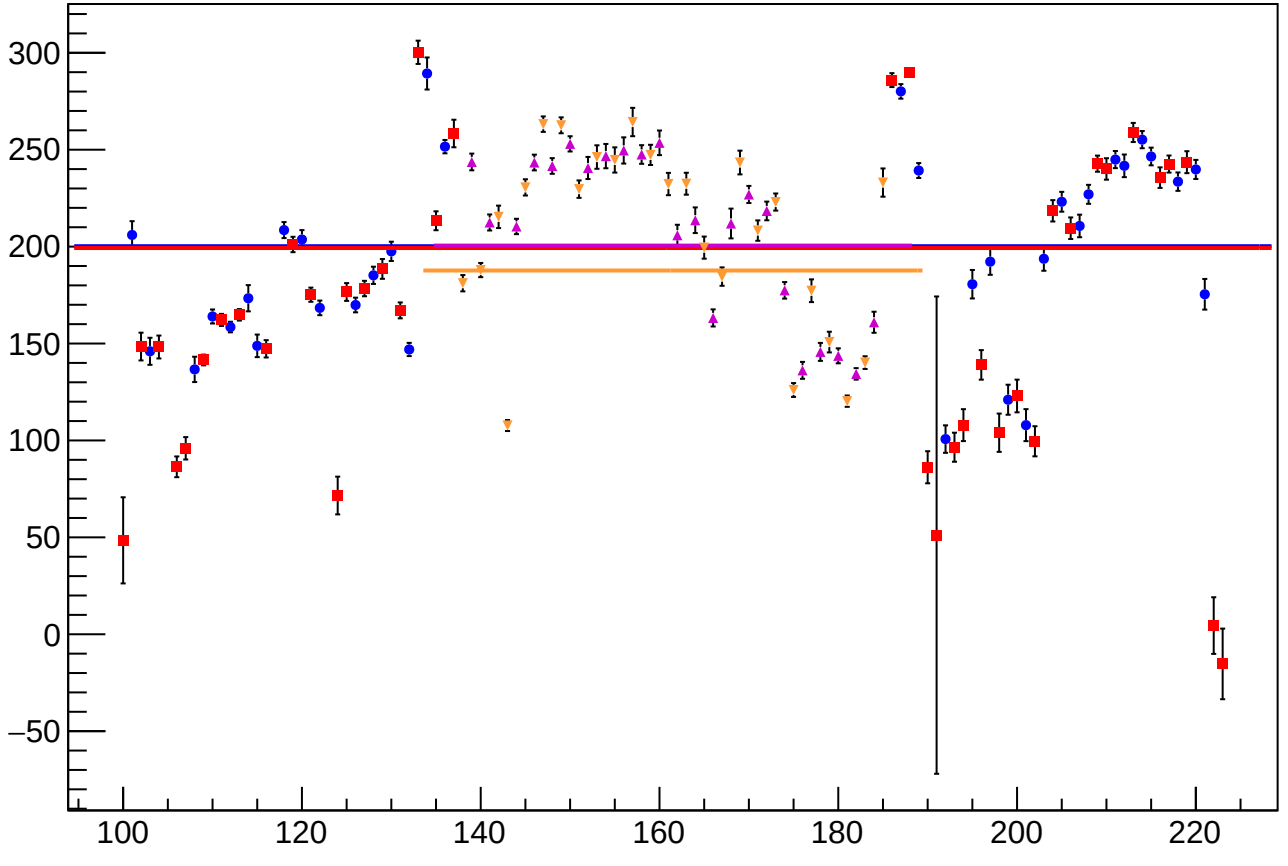
Right: 114.622+/-0.040 χ^2/NDF: 352493.8/72

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.495+/-0.030 χ^2/NDF:446633.3/63

All: 117.701+/-0.022 χ^2/NDF: 601823.1/120

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

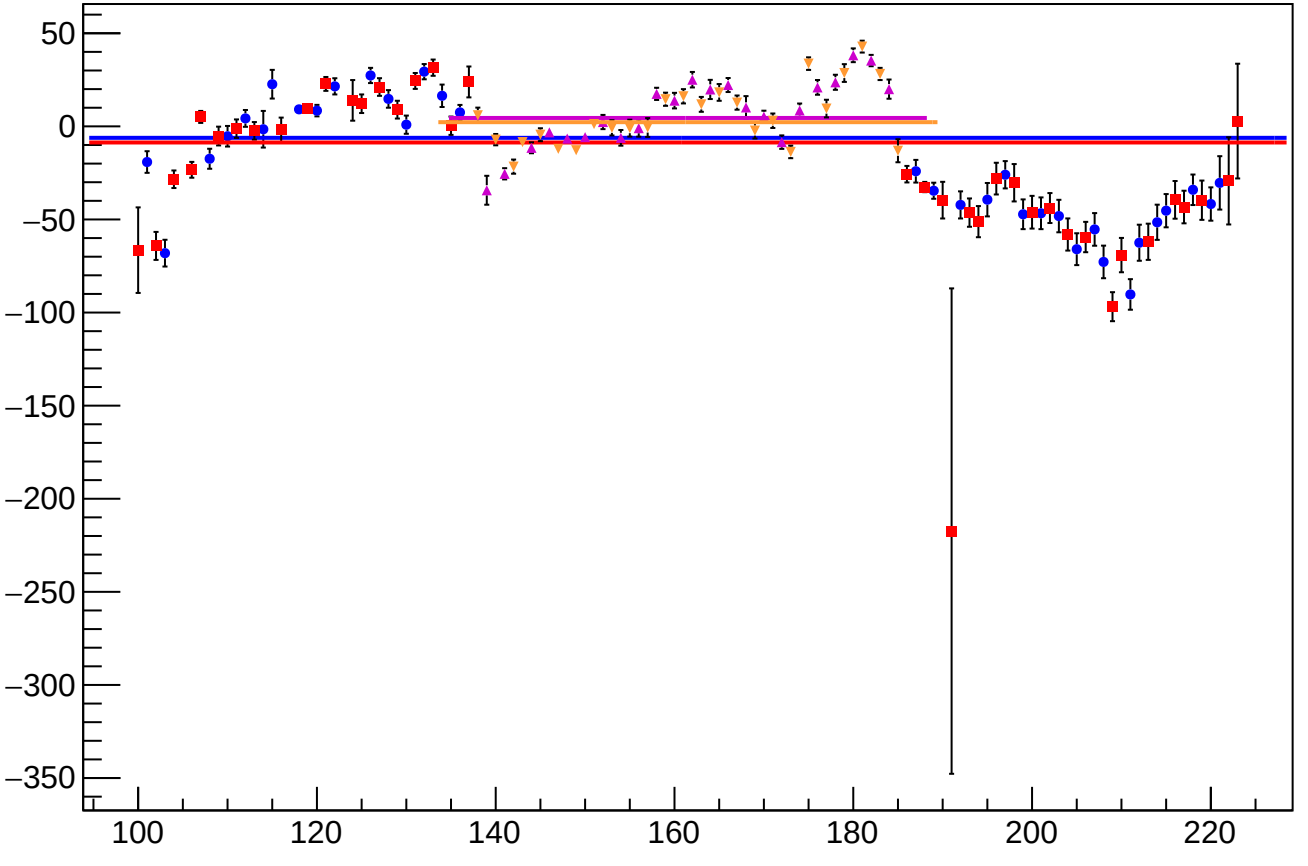
Right: 199.711+/-0.558 χ^2/NDF: 9796.2/72

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.419+/-0.581 χ^2/NDF:10525.2/63

All: 197.180+/-0.425 χ^2/NDF: 15580.8/120

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

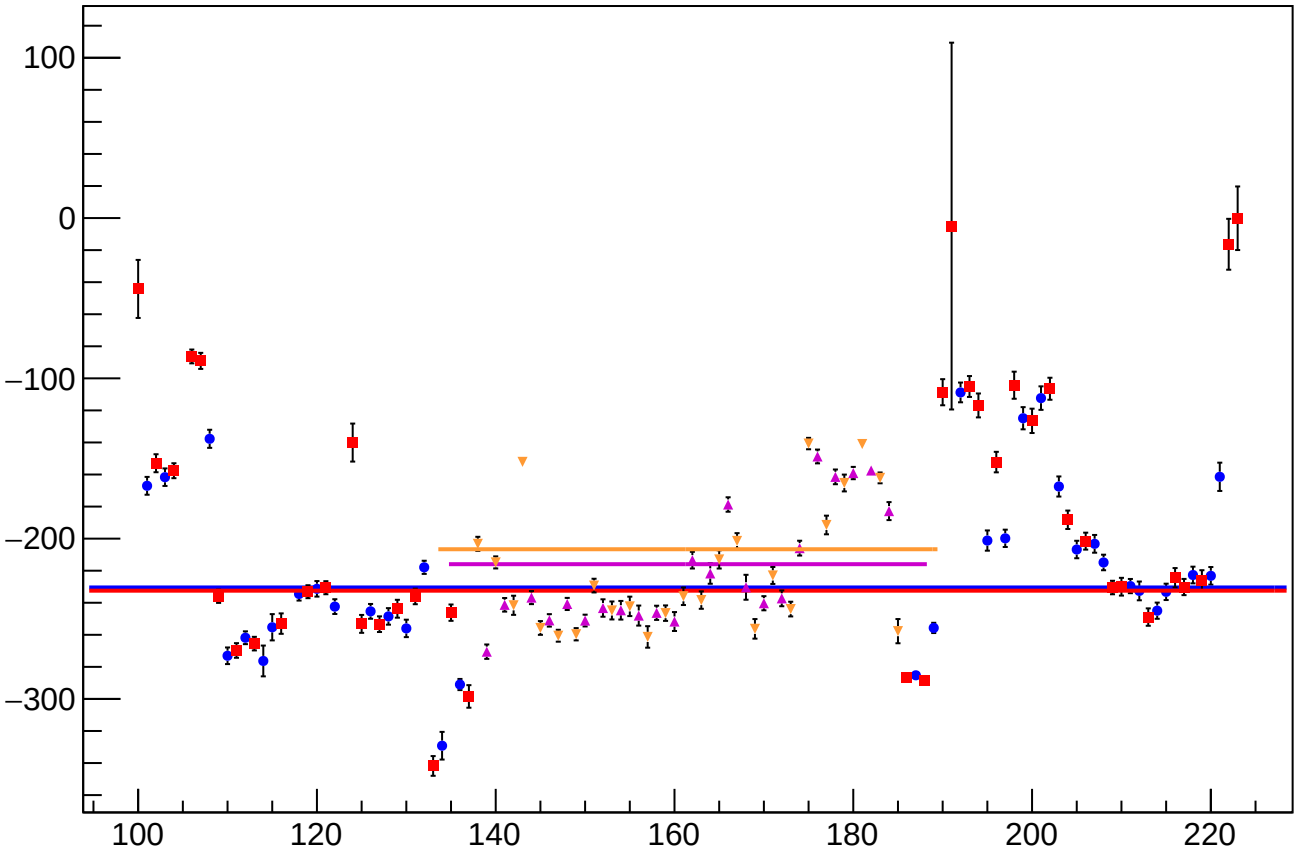
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.496+/-0.650 χ^2/NDF: 1898.2/72

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.663+/-0.532 χ^2/NDF:1679.0/63

All: -0.577+/-0.390 χ^2/NDF: 3228.3/120



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

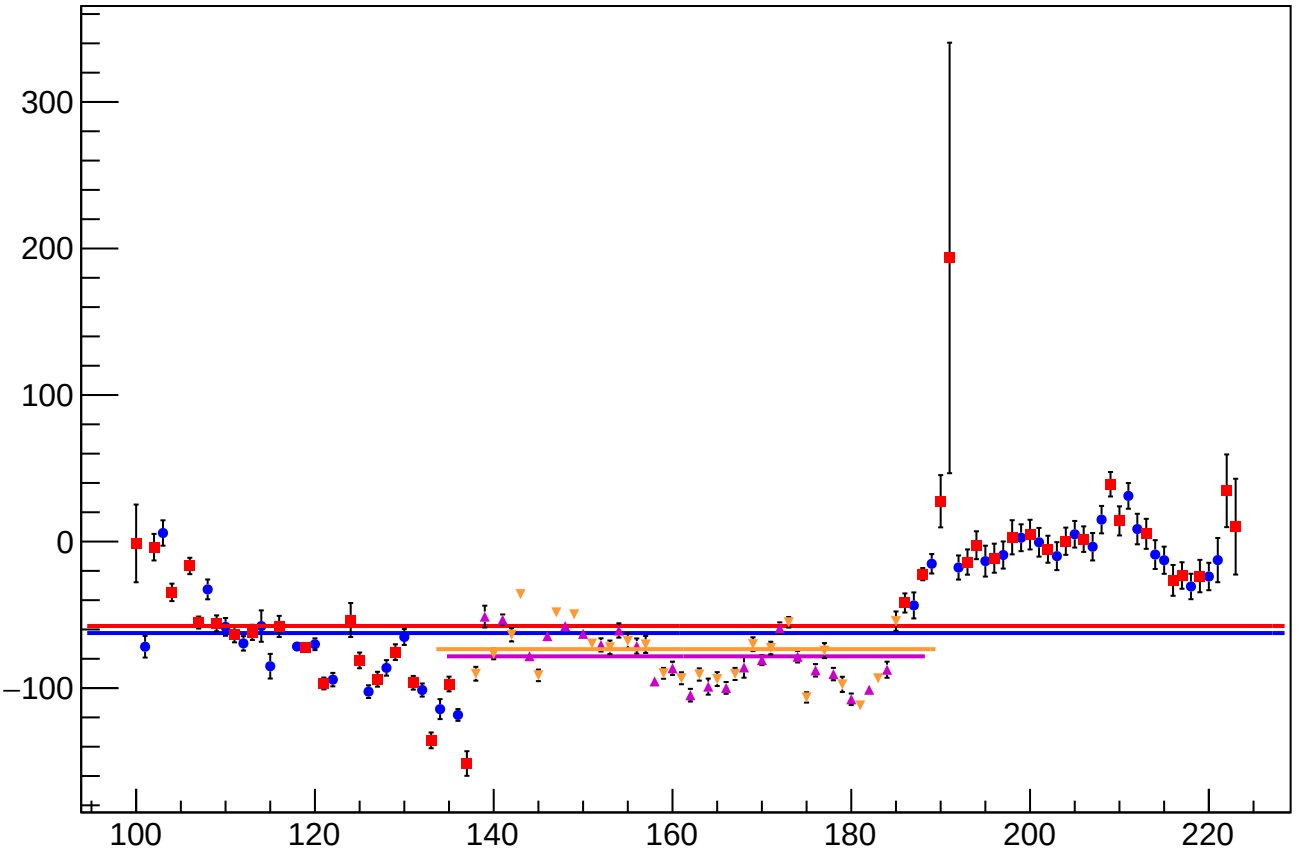
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -231.567+/-0.576 χ^2/NDF: 9756.6/72

In: -223.879+/-0.637 χ^2/NDF:4598.2/56

Out: -221.373+/-0.586 χ^2/NDF:9940.4/63

All: -222.522+/-0.431 χ^2/NDF: 14547.0/120



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

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

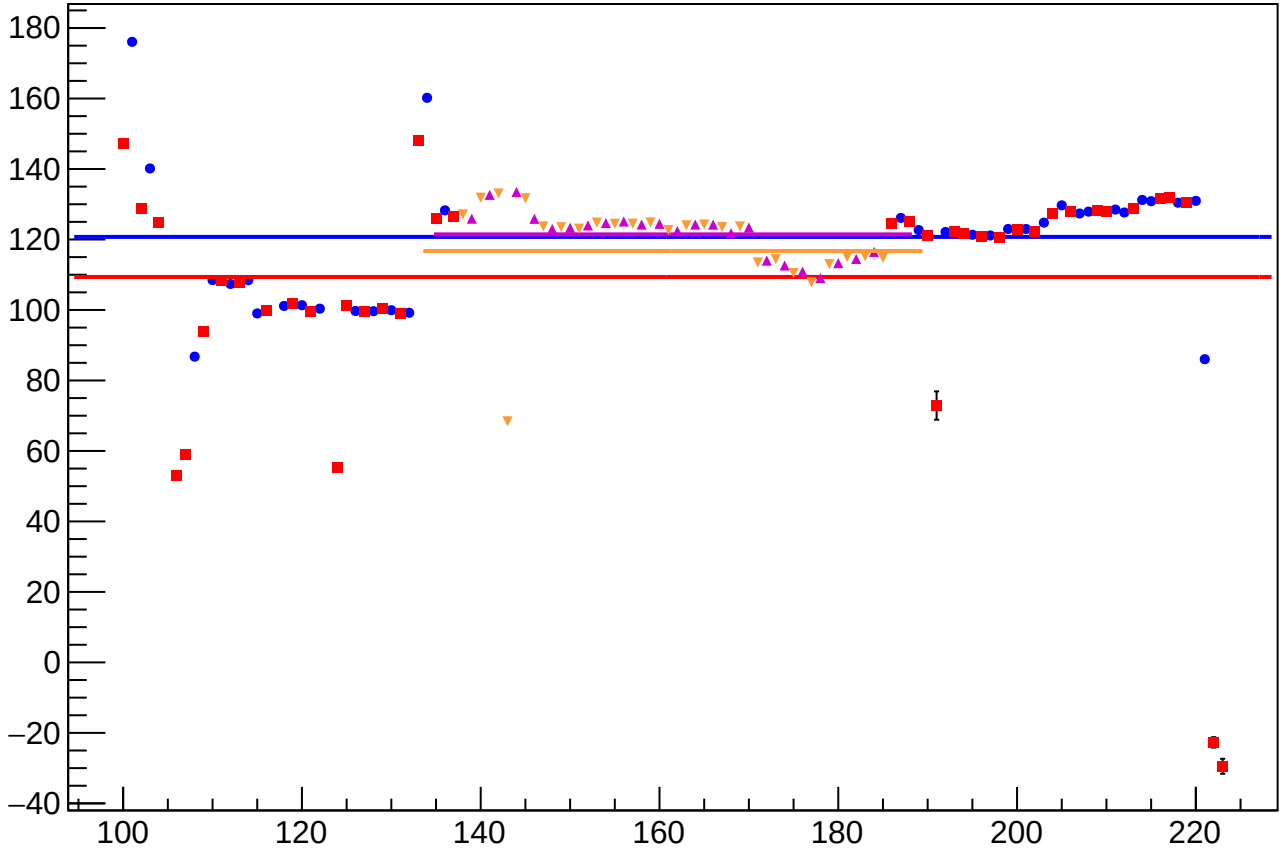
Right: -59.914+/-0.763 χ^2/NDF: 2693.0/72

In: -72.725+/-0.658 χ^2/NDF:1844.2/56

Out: -67.954+/-0.620 χ^2/NDF:2399.0/63

All: -70.200+/-0.451 χ^2/NDF: 4271.0/120

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

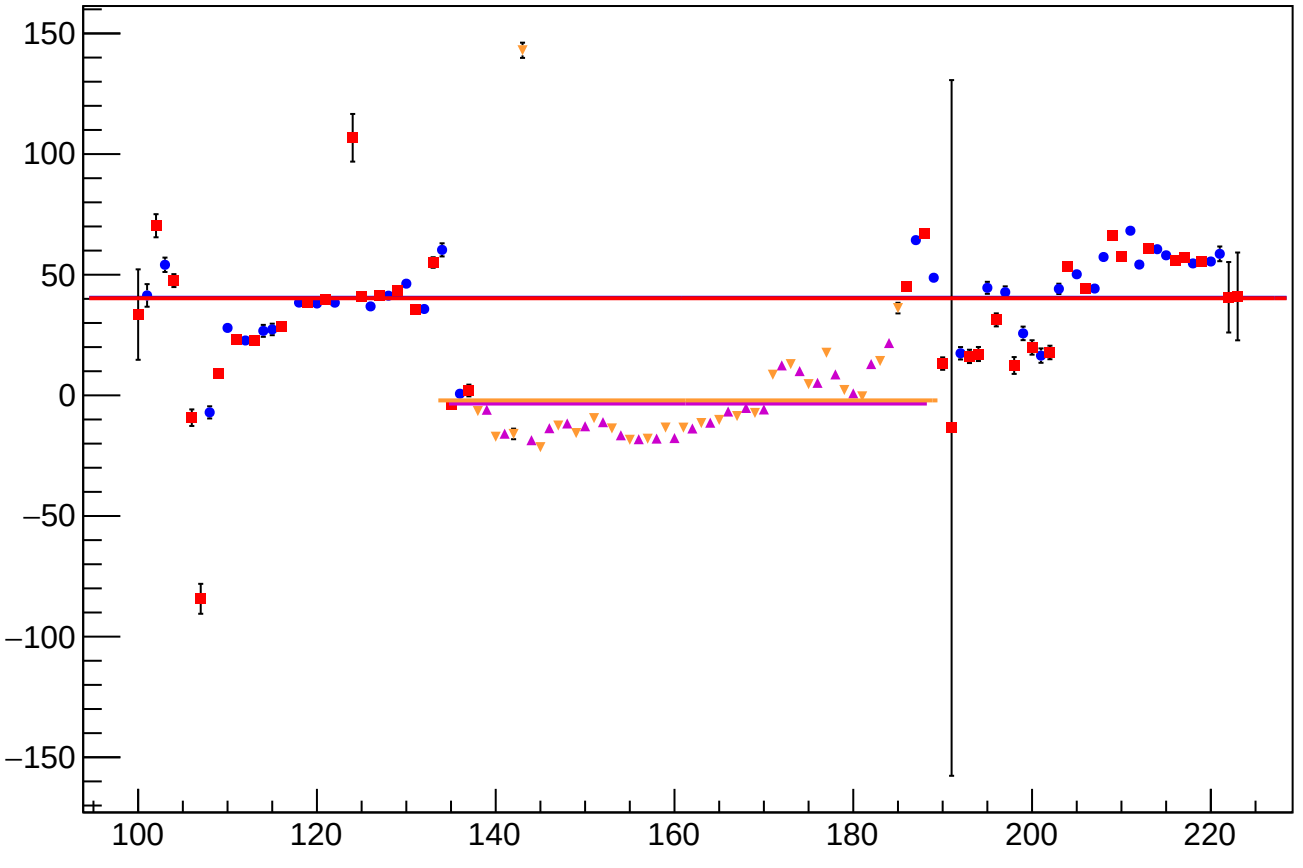
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.622+/-0.040 χ^2/NDF: 352493.8/72

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.495+/-0.030 χ^2/NDF:446633.3/63

All: 117.701+/-0.022 χ^2/NDF: 601823.1/120



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

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

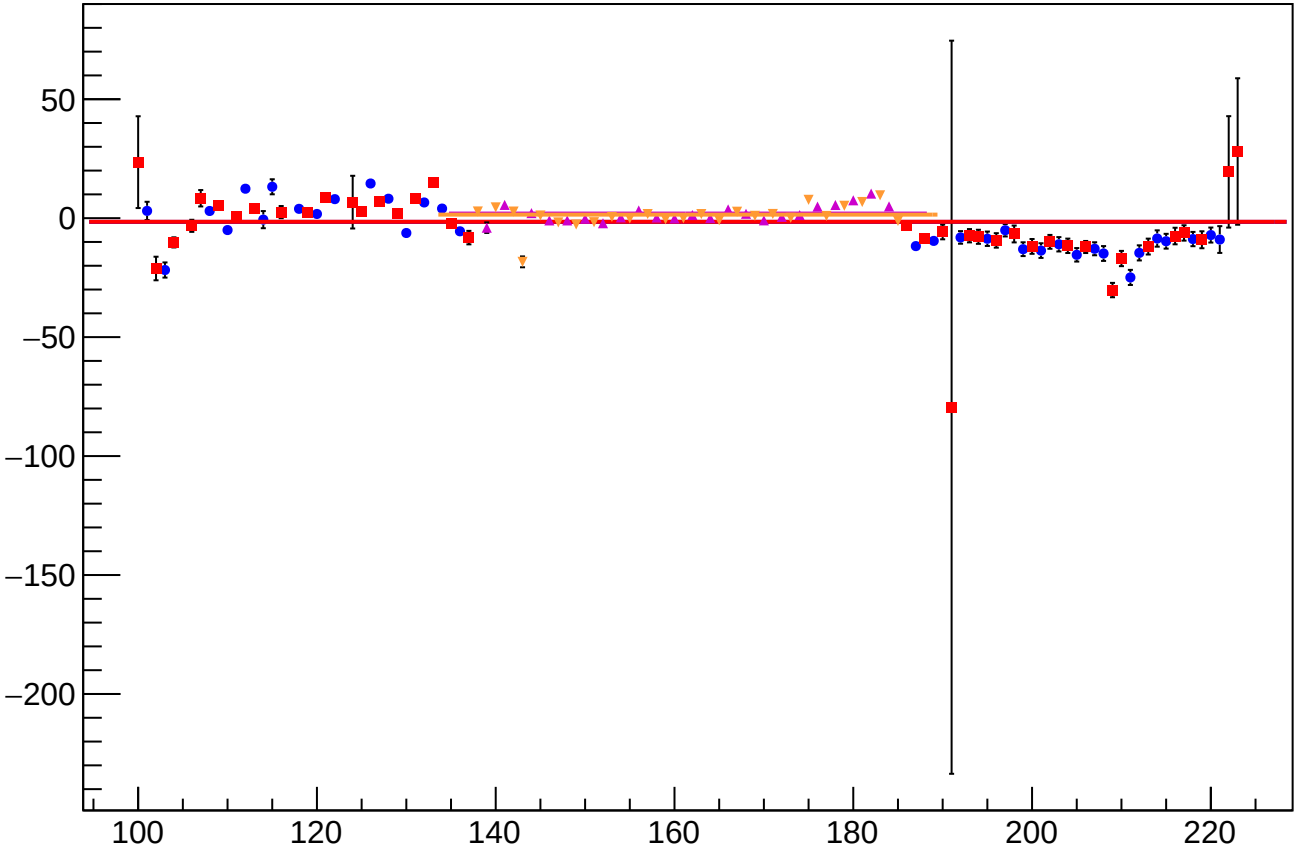
Right: 40.338+/-0.207 χ^2/NDF: 9083.3/72

In: 15.989+/-0.203 χ^2/NDF:16798.6/56

Out: 17.876+/-0.194 χ^2/NDF:21659.6/63

All: 16.974+/-0.140 χ^2/NDF: 38503.5/120

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

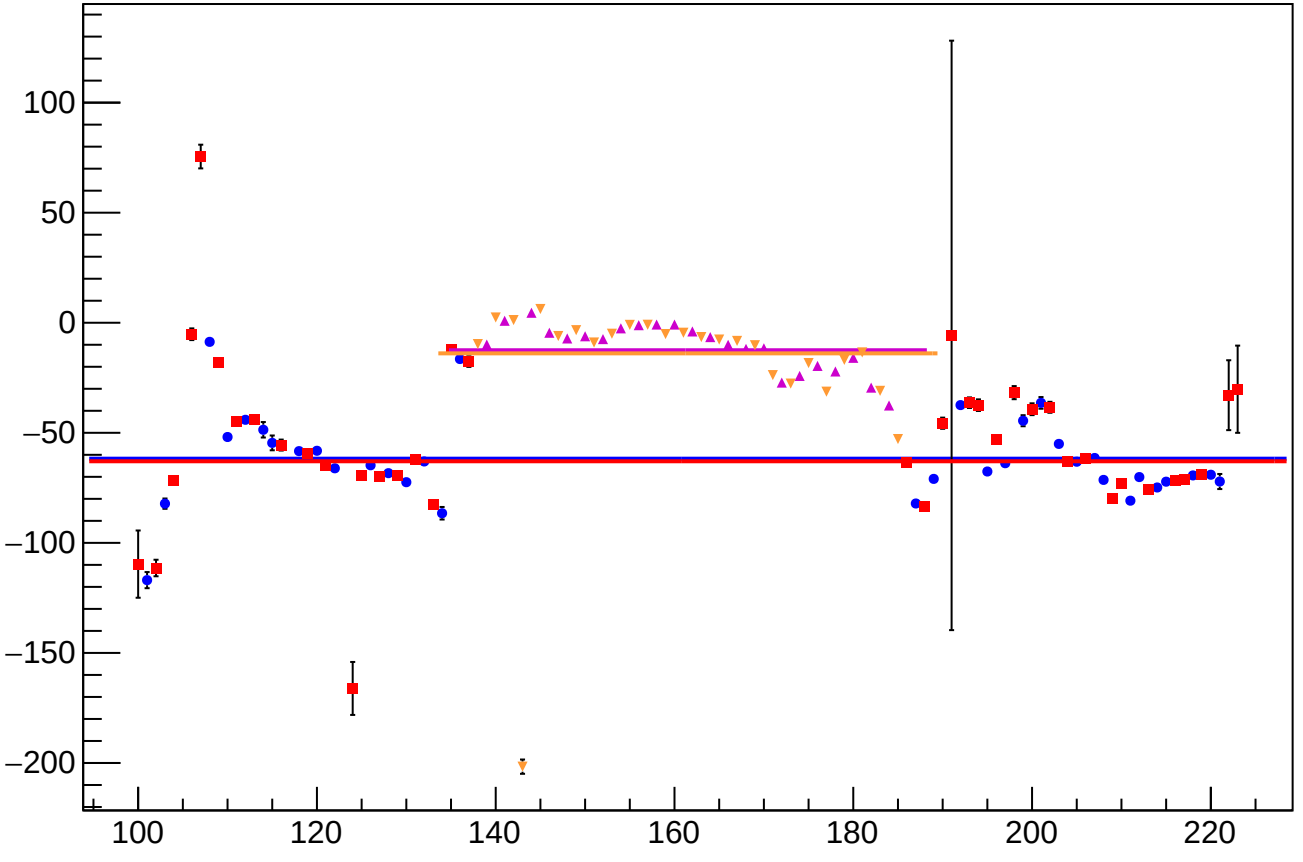
Right: -1.545+/-0.251 χ^2/NDF: 1159.7/72

In: 1.059+/-0.182 χ^2/NDF:919.5/56

Out: 0.708+/-0.176 χ^2/NDF:934.6/63

All: 0.877+/-0.127 χ^2/NDF: 1856.1/120

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

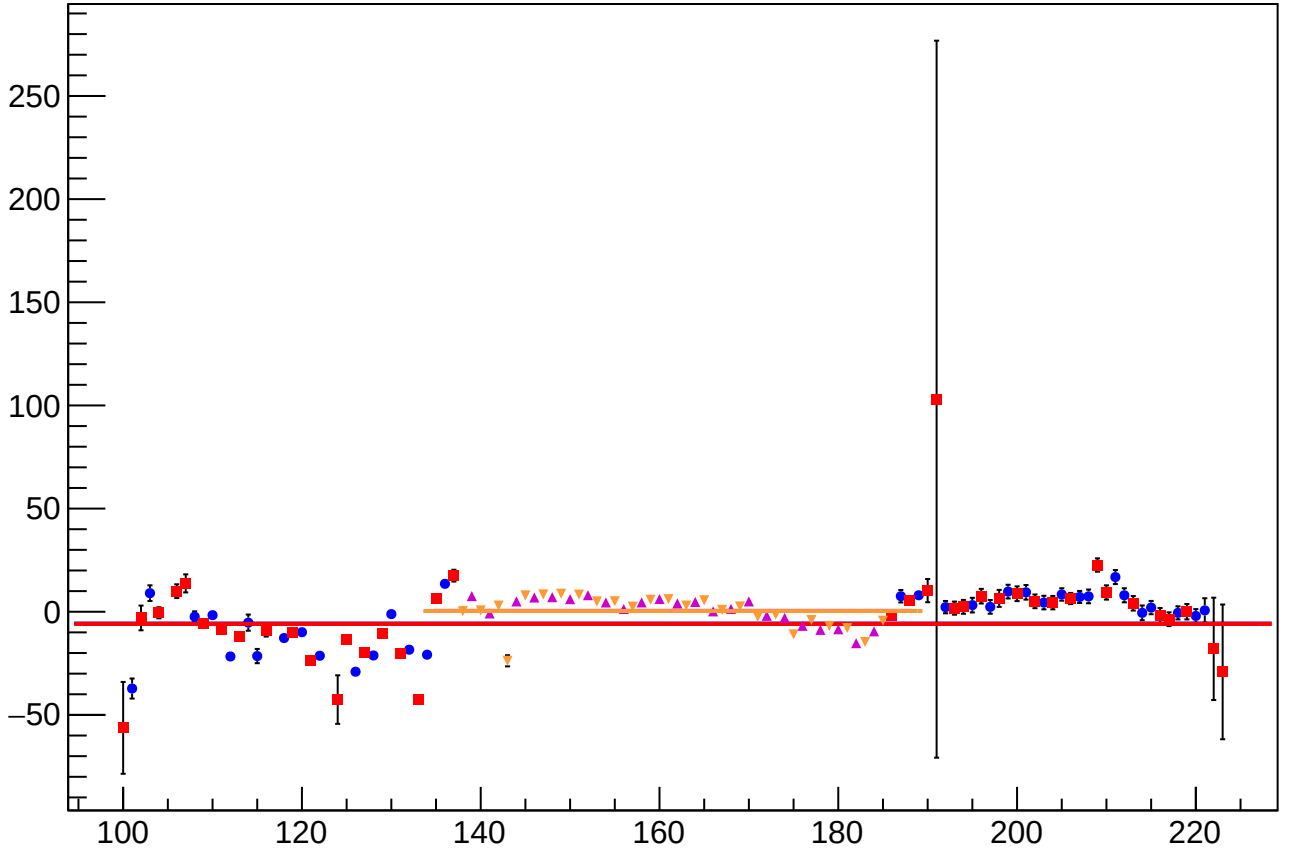
Right: -62.414+/-0.211 χ^2/NDF: 9443.2/72

In: -33.028+/-0.205 χ^2/NDF:19147.7/56

Out: -36.881+/-0.193 χ^2/NDF:26929.6/63

All: -35.073+/-0.141 χ^2/NDF: 46264.4/120

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

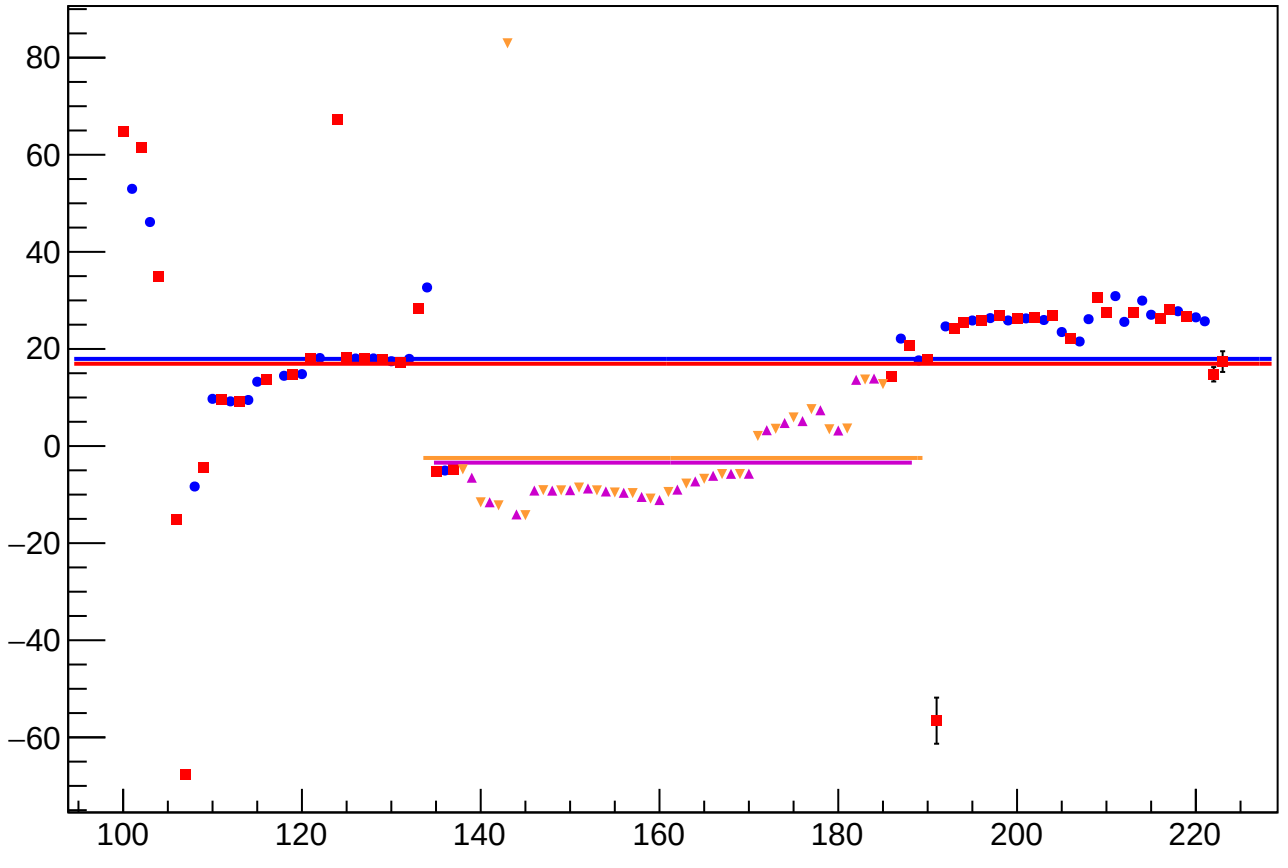
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.810+/-0.295 χ^2/NDF: 2070.5/72

In: -1.042+/-0.206 χ^2/NDF:1959.3/56

Out: -1.150+/-0.202 χ^2/NDF:2151.6/63

All: -1.097+/-0.144 χ^2/NDF: 4111.0/120



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

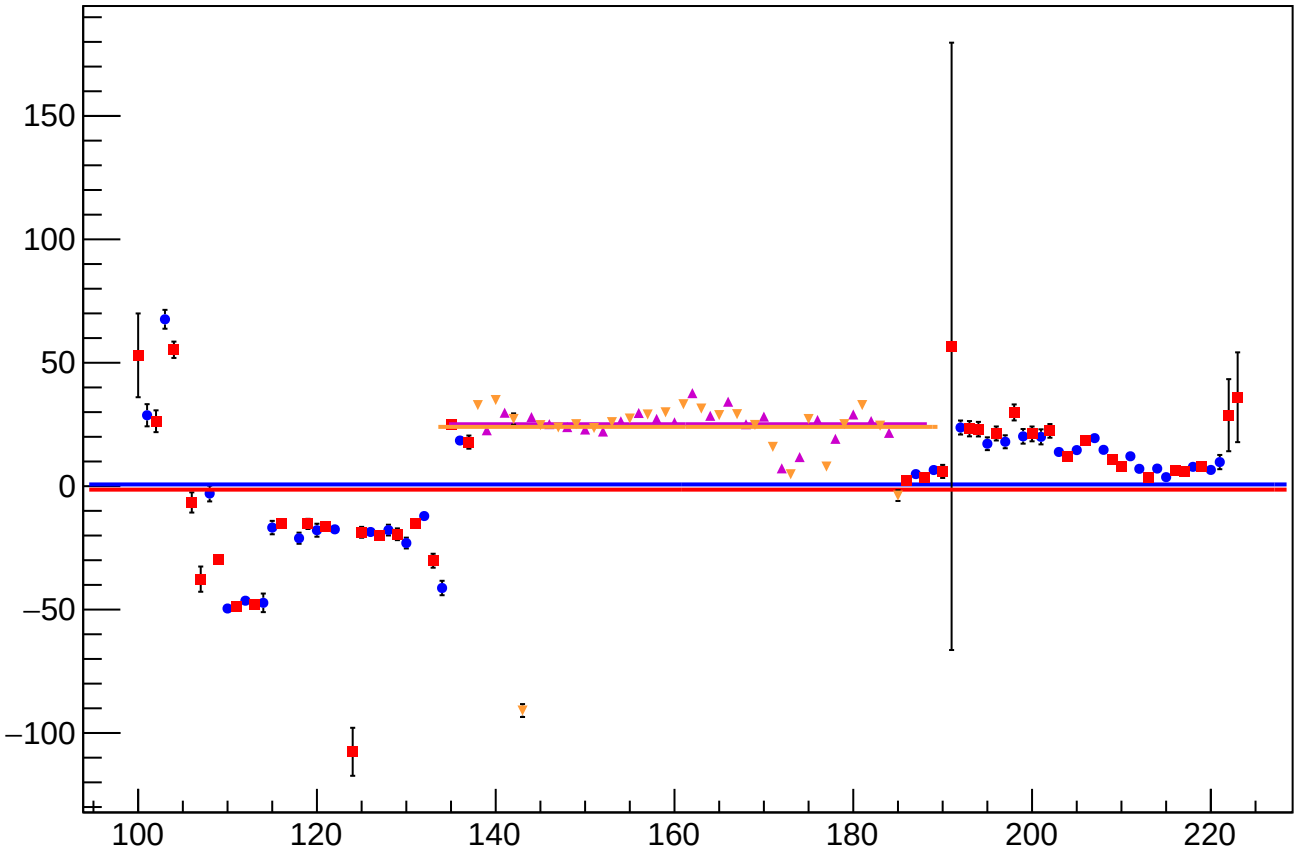
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.454+/-0.015 χ^2/NDF: 1044707.7/72

In: 0.685+/-0.009 χ^2/NDF:1812060.1/56

Out: 1.213+/-0.009 χ^2/NDF:2208219.0/63

All: 0.951+/-0.007 χ^2/NDF: 4021870.6/120



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

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

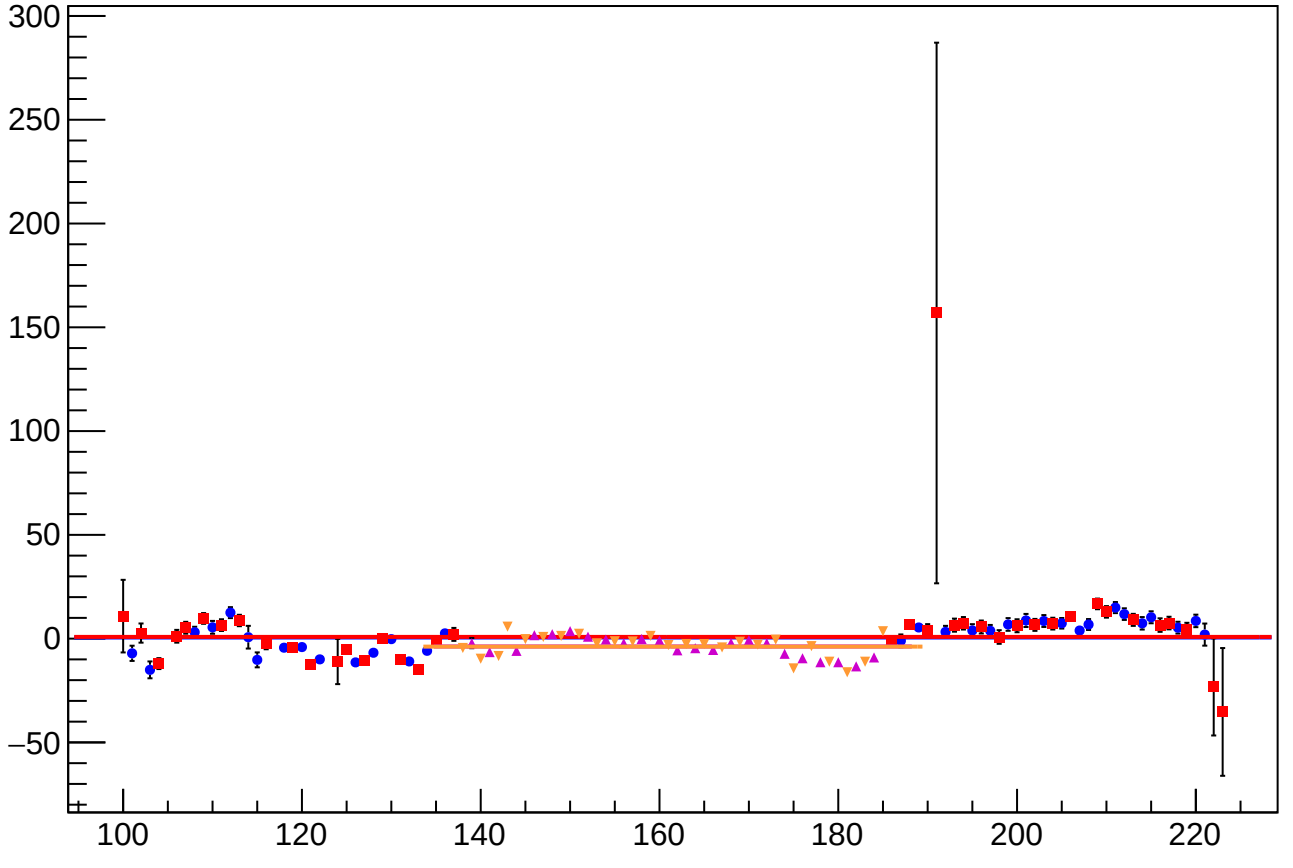
Right: -0.371+/-0.236 χ^2/NDF: 7755.5/72

In: 14.847+/-0.219 χ^2/NDF:7280.0/56

Out: 13.343+/-0.215 χ^2/NDF:10196.6/63

All: 14.081+/-0.153 χ^2/NDF: 17500.6/120

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

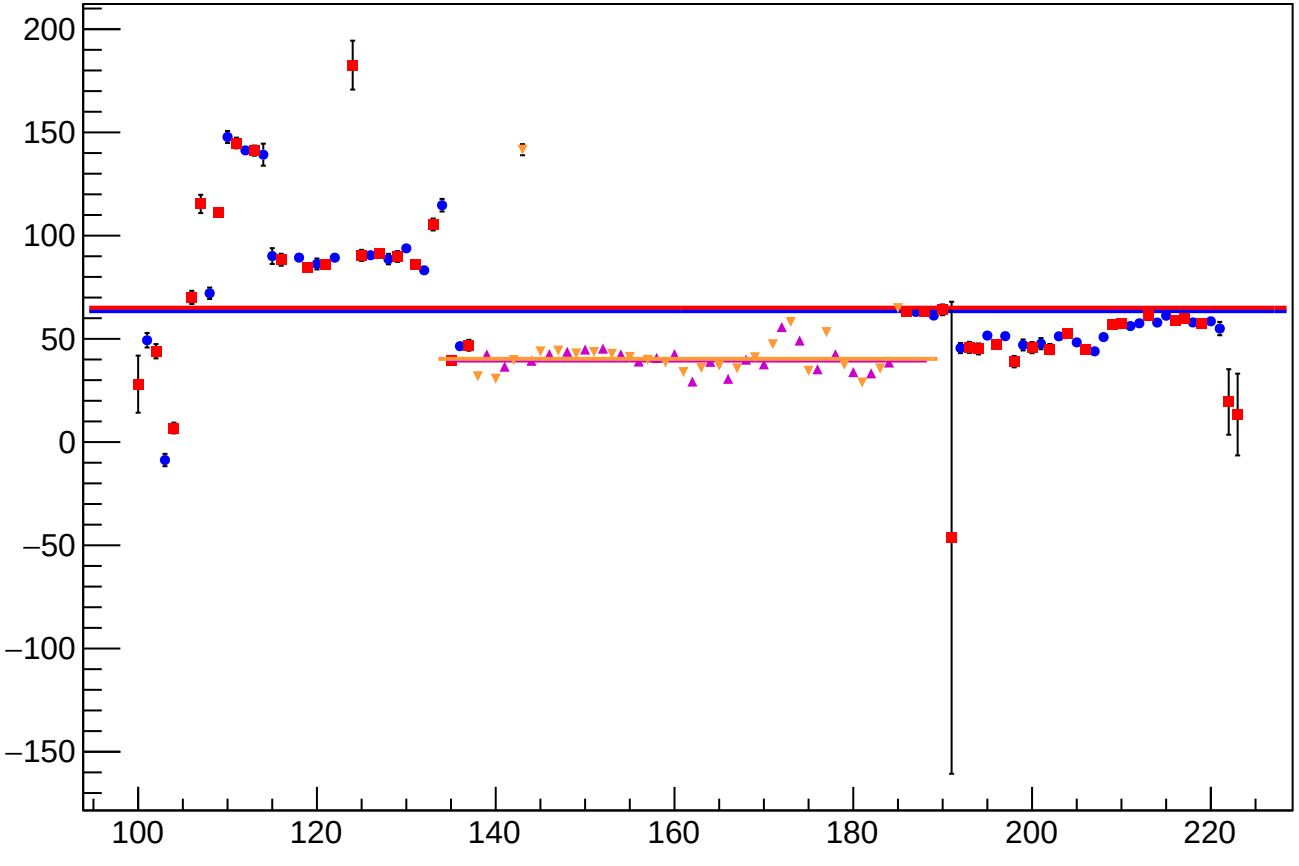
Right: 0.698+/-0.298 χ^2/NDF: 664.1/72

In: -2.842+/-0.198 χ^2/NDF:888.0/56

Out: -2.840+/-0.193 χ^2/NDF:1115.7/63

All: -2.841+/-0.138 χ^2/NDF: 2003.7/120

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

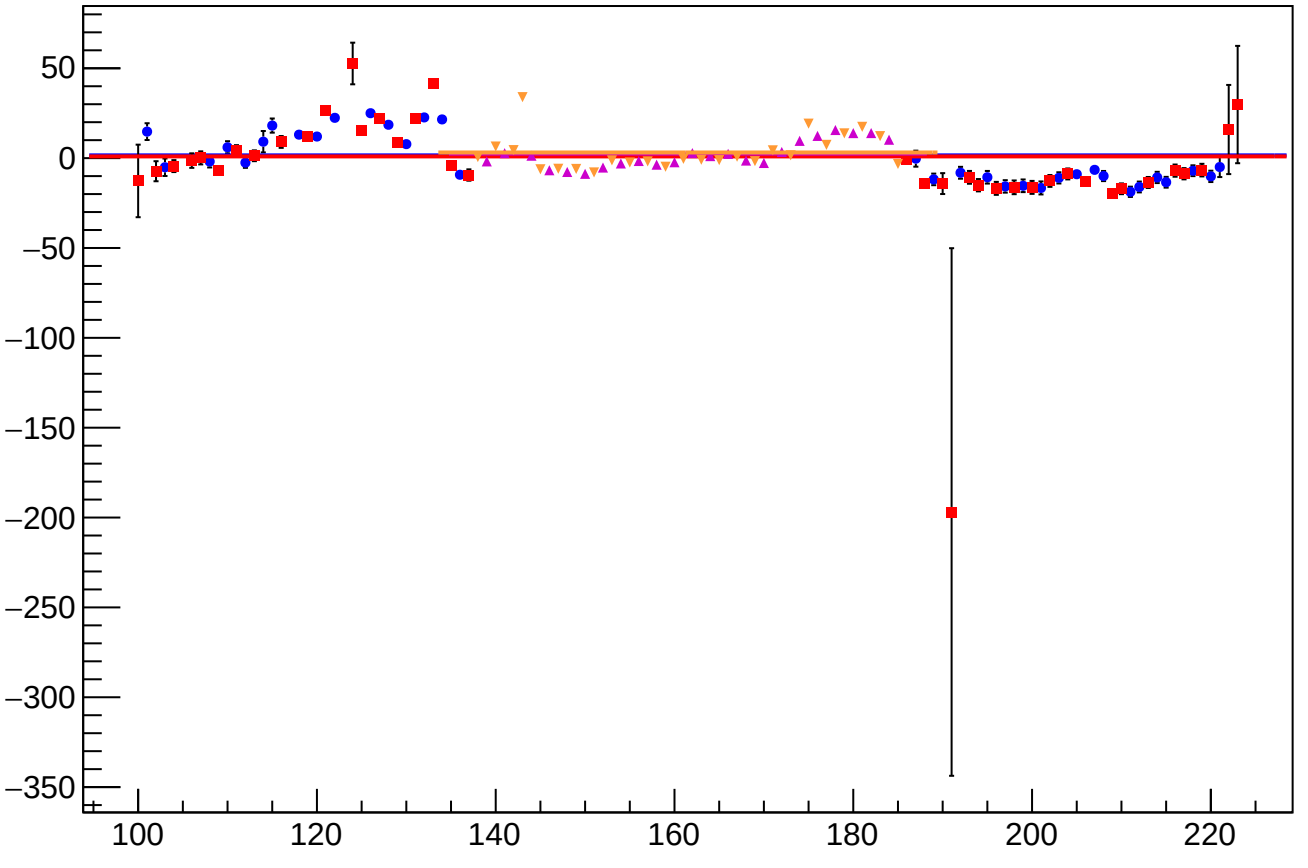
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.290+/-0.242 χ^2/NDF: 9603.3/72

In: 49.005+/-0.221 χ^2/NDF:7936.9/56

Out: 50.507+/-0.215 χ^2/NDF:10288.5/63

All: 49.776+/-0.154 χ^2/NDF: 18249.2/120



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

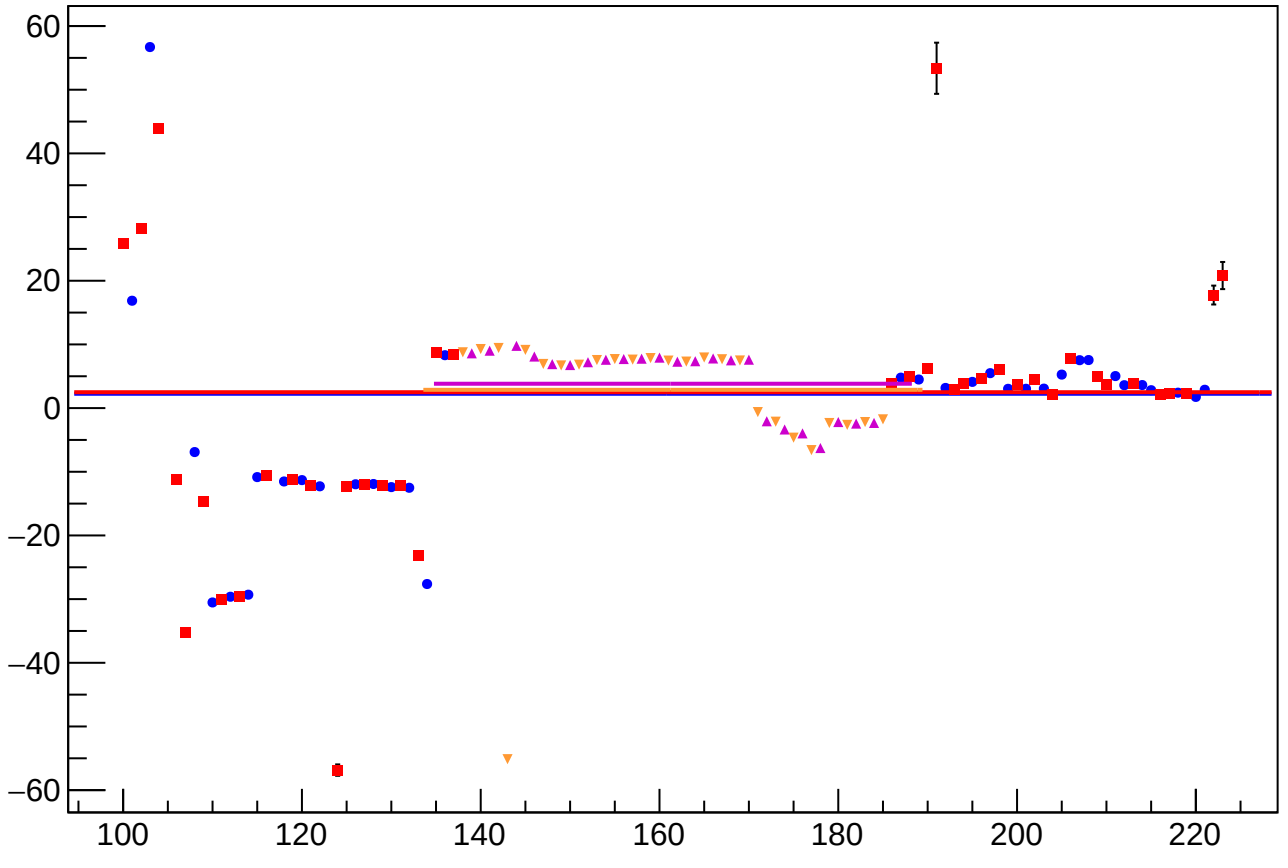
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.250+/-0.342 χ^2/NDF: 1923.7/72

In: 2.309+/-0.223 χ^2/NDF:1846.3/56

Out: 2.696+/-0.219 χ^2/NDF:2331.4/63

All: 2.506+/-0.156 χ^2/NDF: 4179.2/120



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

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

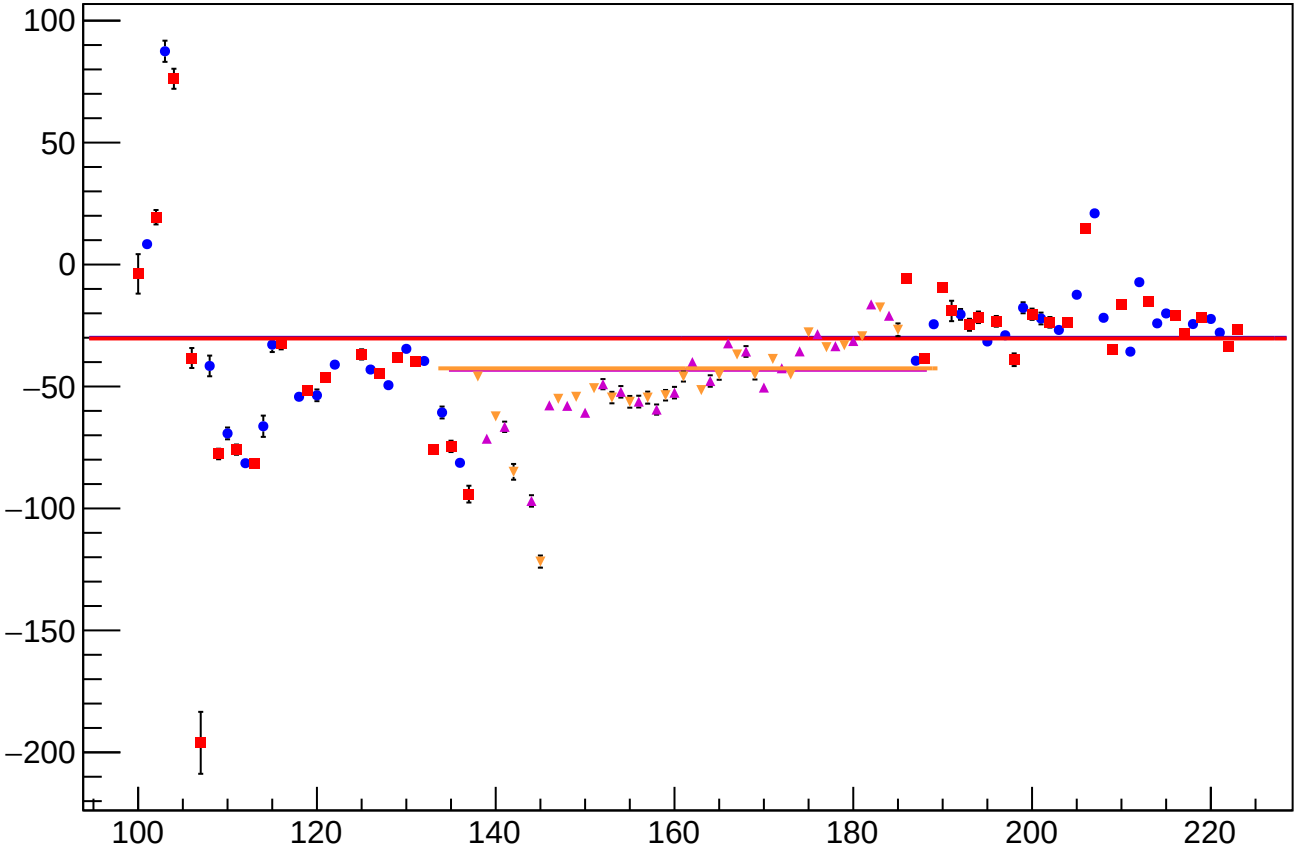
Right: 2.371+/-0.016 χ^2/NDF: 714022.4/72

In: 3.530+/-0.010 χ^2/NDF:620016.6/56

Out: 2.802+/-0.010 χ^2/NDF:843485.9/63

All: 3.164+/-0.007 χ^2/NDF: 1466166.1/120

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

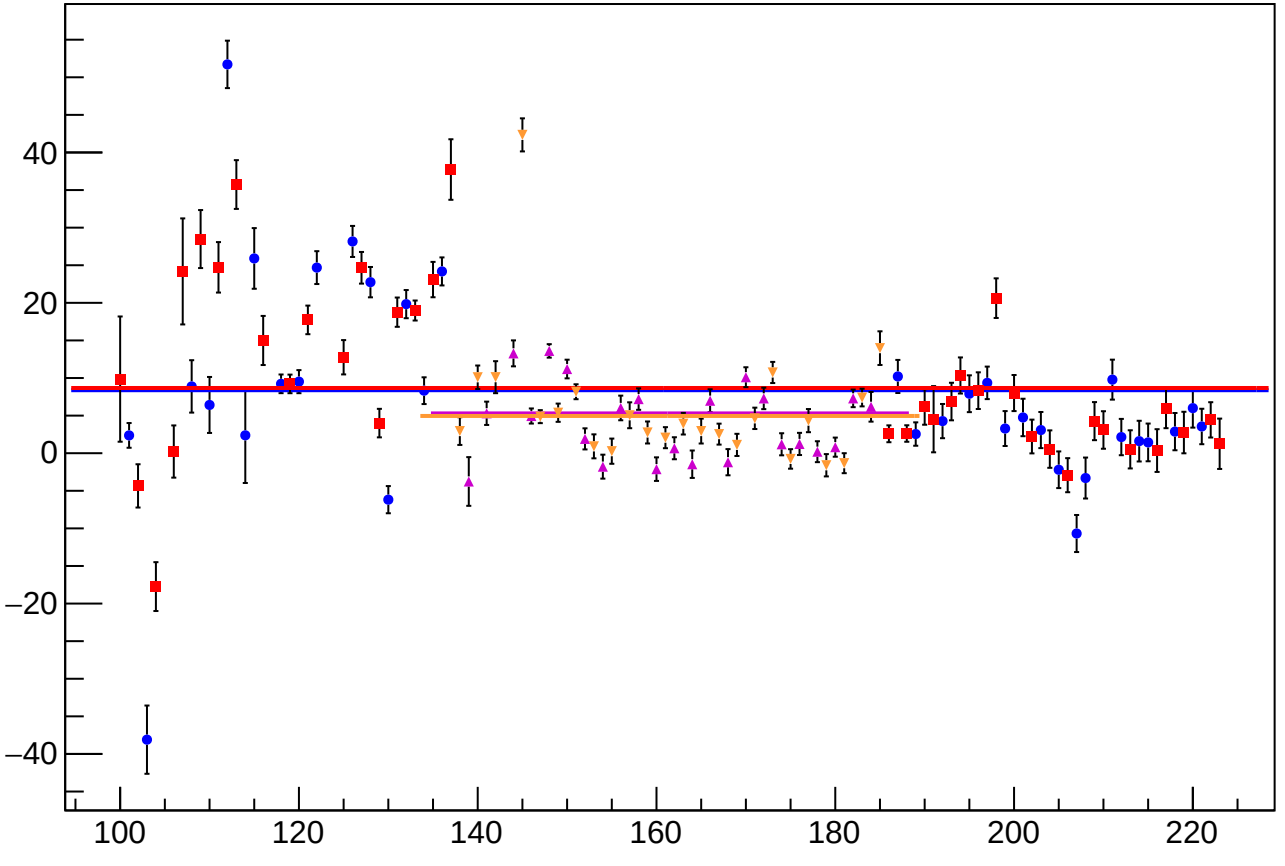
Right: -30.185+/-0.208 χ^2/NDF: 12081.1/71

In: -35.116+/-0.237 χ^2/NDF:8412.2/56

Out: -34.770+/-0.228 χ^2/NDF:9592.0/61

All: -34.936+/-0.165 χ^2/NDF: 18005.3/118

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

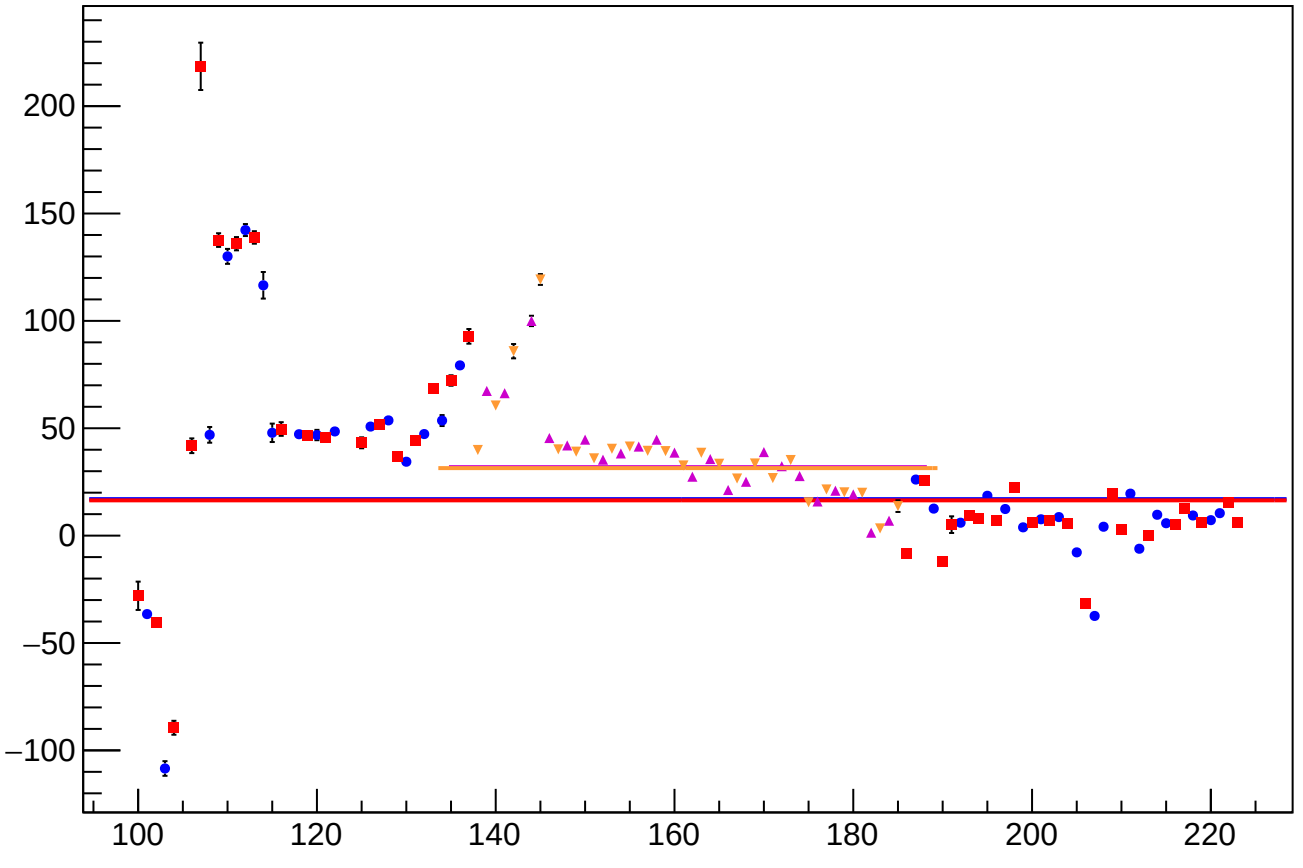
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 8.534+/-0.260 χ^2/NDF: 1514.2/71

In: 6.457+/-0.232 χ^2/NDF:1185.9/56

Out: 6.412+/-0.225 χ^2/NDF:1170.1/61

All: 6.434+/-0.162 χ^2/NDF: 2356.0/118



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

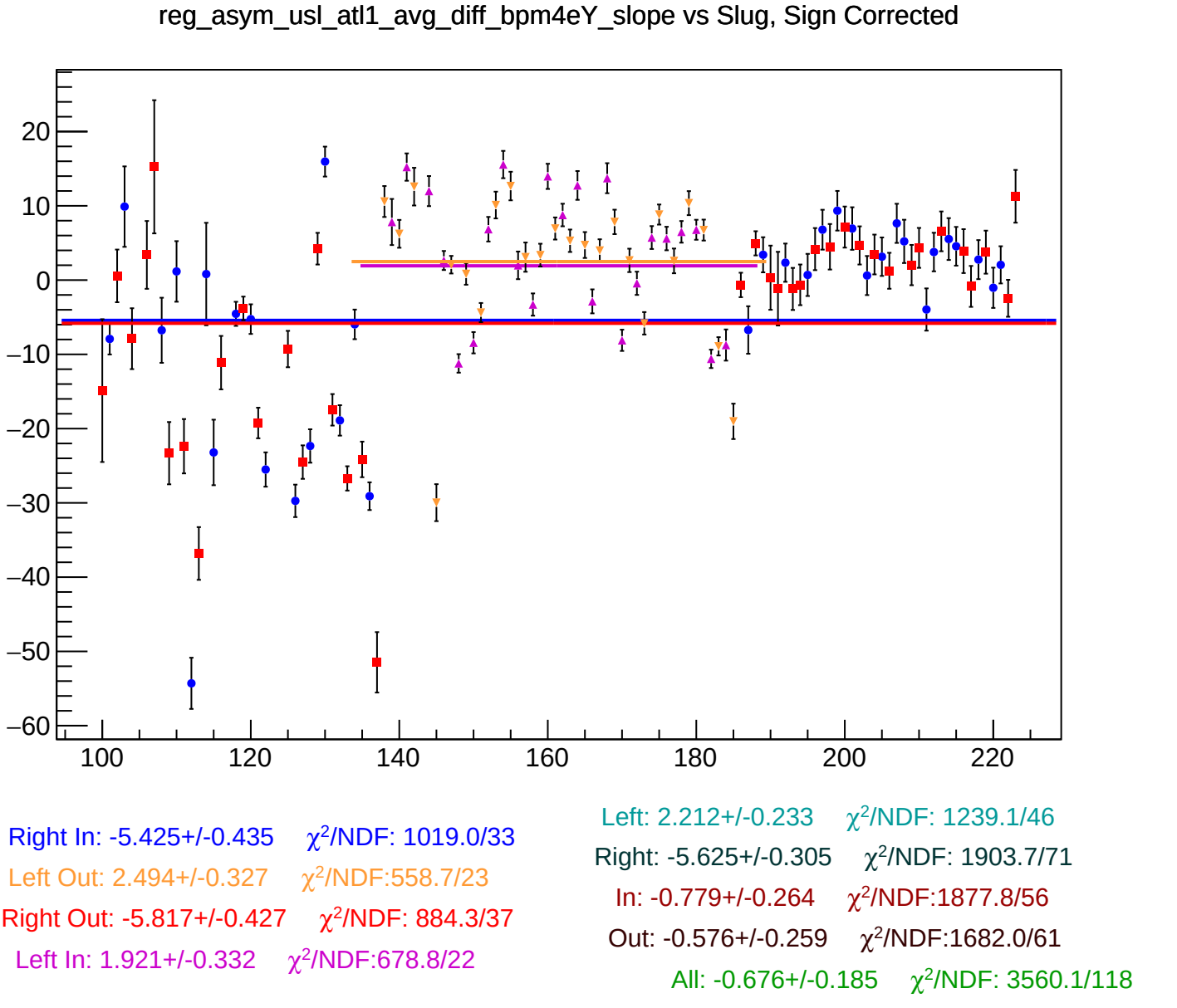
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

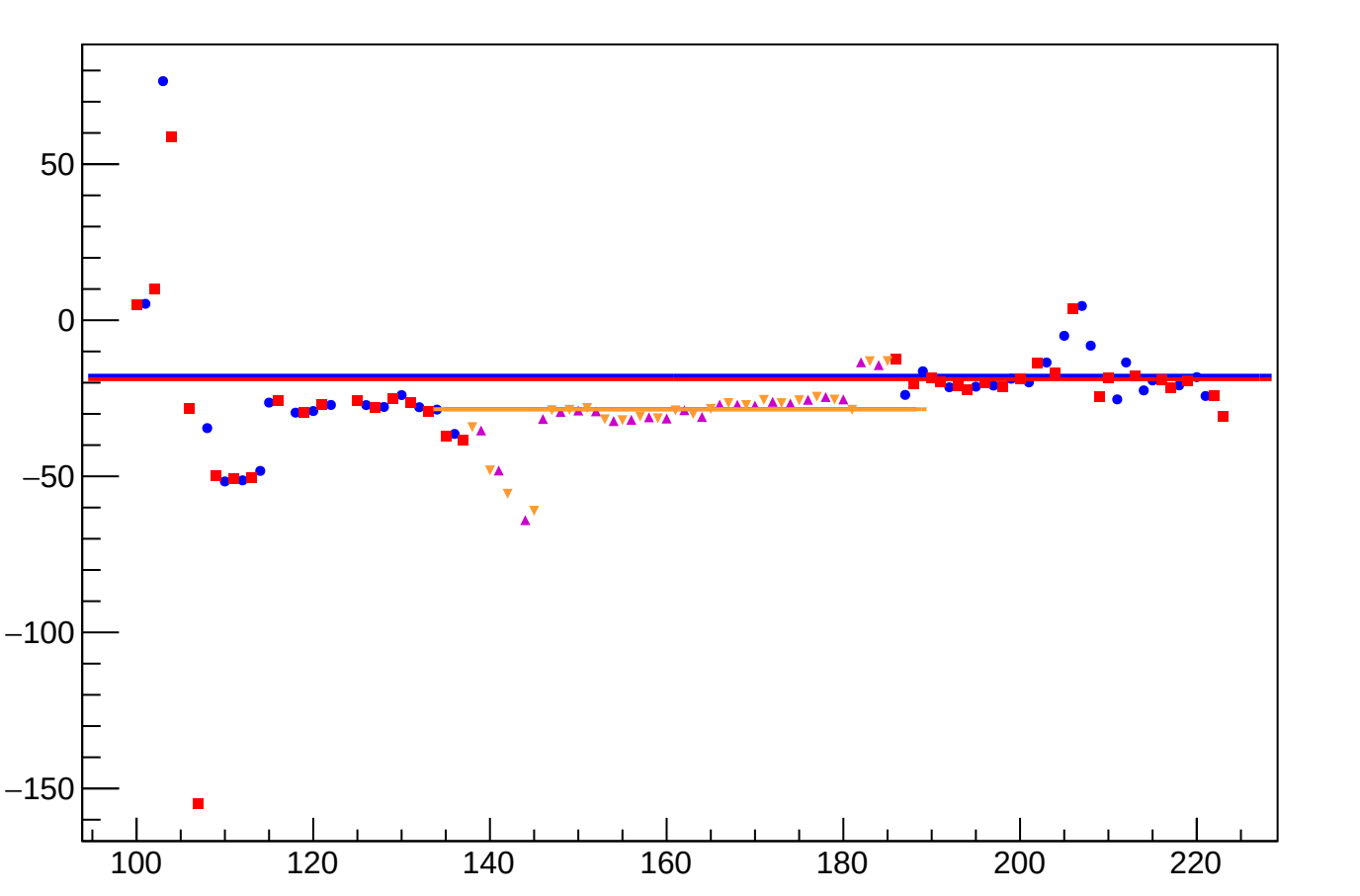
Right: 16.687+/-0.206 χ^2/NDF: 24191.1/71

In: 22.914+/-0.238 χ^2/NDF:14936.3/56

Out: 21.770+/-0.224 χ^2/NDF:16747.0/61

All: 22.307+/-0.163 χ^2/NDF: 31695.5/118


reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
10
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
220
Right In: -5.425+/-0.435 χ²/NDF: 1019.0/33
Left Out: 2.494+/-0.327 χ²/NDF:558.7/23
Right Out: -5.817+/-0.427 χ²/NDF: 884.3/37
Left In: 1.921+/-0.332 χ²/NDF:678.8/22
Left: 2.212+/-0.233 χ²/NDF: 1239.1/46
Right: -5.625+/-0.305 χ²/NDF: 1903.7/71
In: -0.779+/-0.264 χ²/NDF:1877.8/56
Out: -0.576+/-0.259 χ²/NDF:1682.0/61
All: -0.676+/-0.185 χ²/NDF: 3560.1/118



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

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

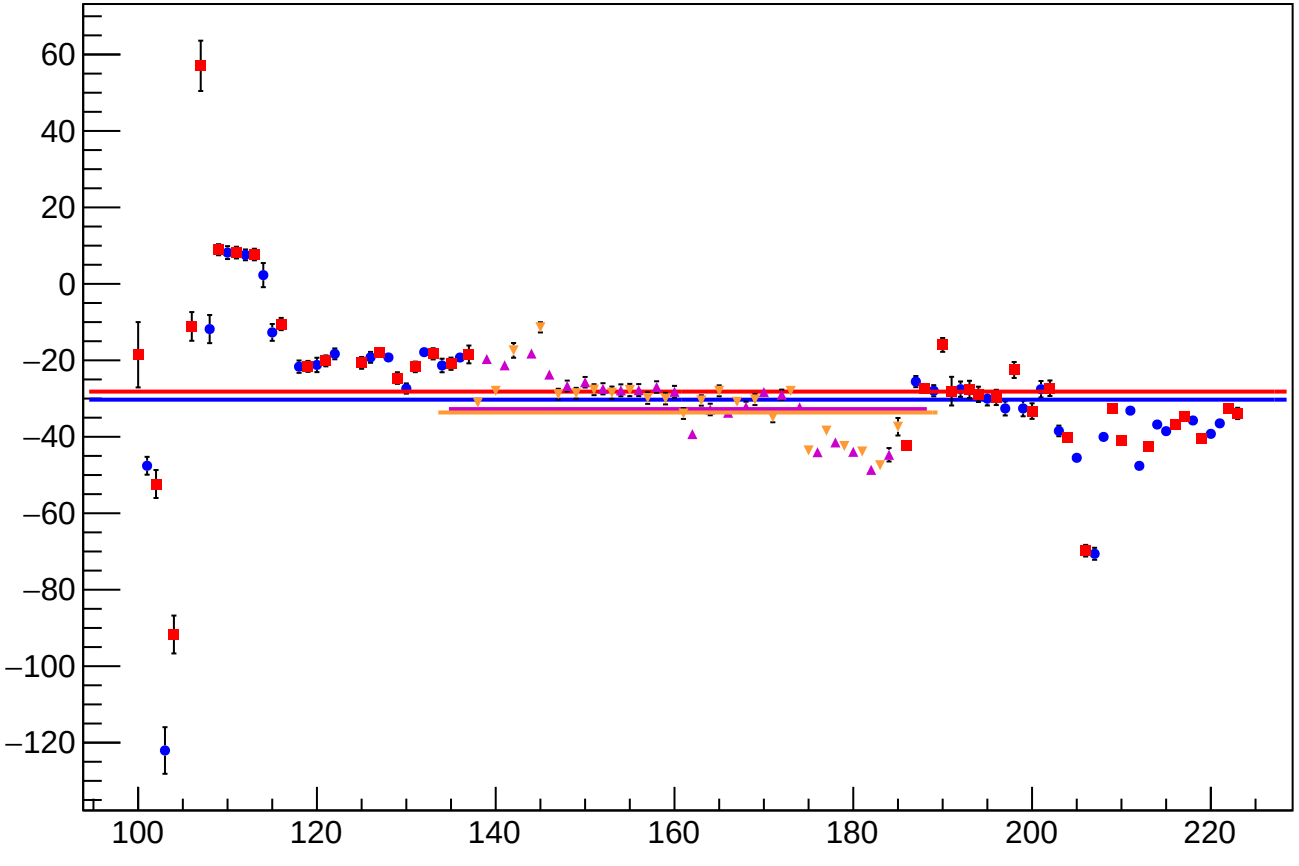
Right: -18.338+/-0.015 χ^2/NDF: 1366013.0/71

In: -24.873+/-0.012 χ^2/NDF:1199685.0/56

Out: -25.190+/-0.012 χ^2/NDF:1110286.2/61

All: -25.033+/-0.008 χ^2/NDF: 2310320.1/118

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

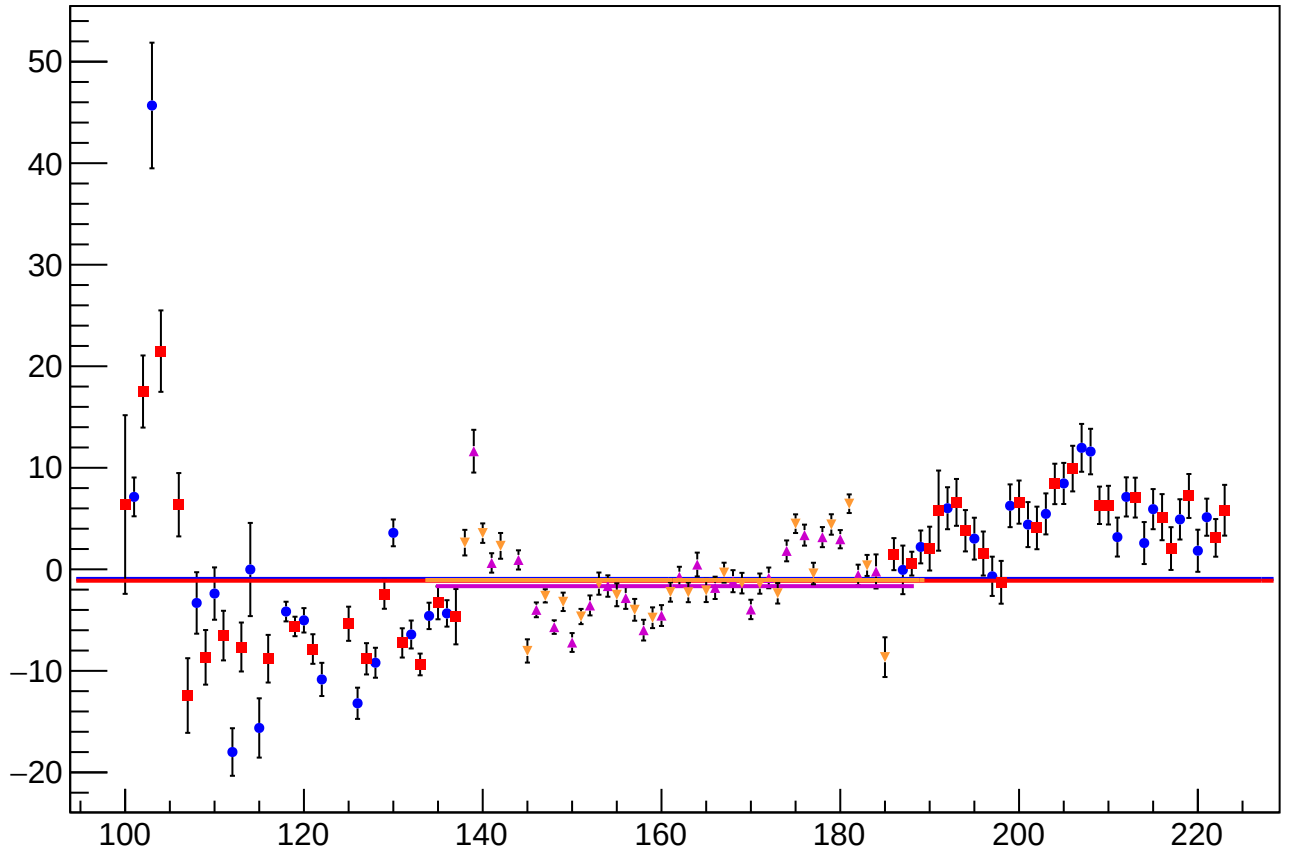
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -29.220+/-0.171 χ^2/NDF: 7833.1/71

In: -31.399+/-0.180 χ^2/NDF:4811.2/56

Out: -30.647+/-0.178 χ^2/NDF:5422.3/61

All: -31.019+/-0.127 χ^2/NDF: 10242.4/118



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

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

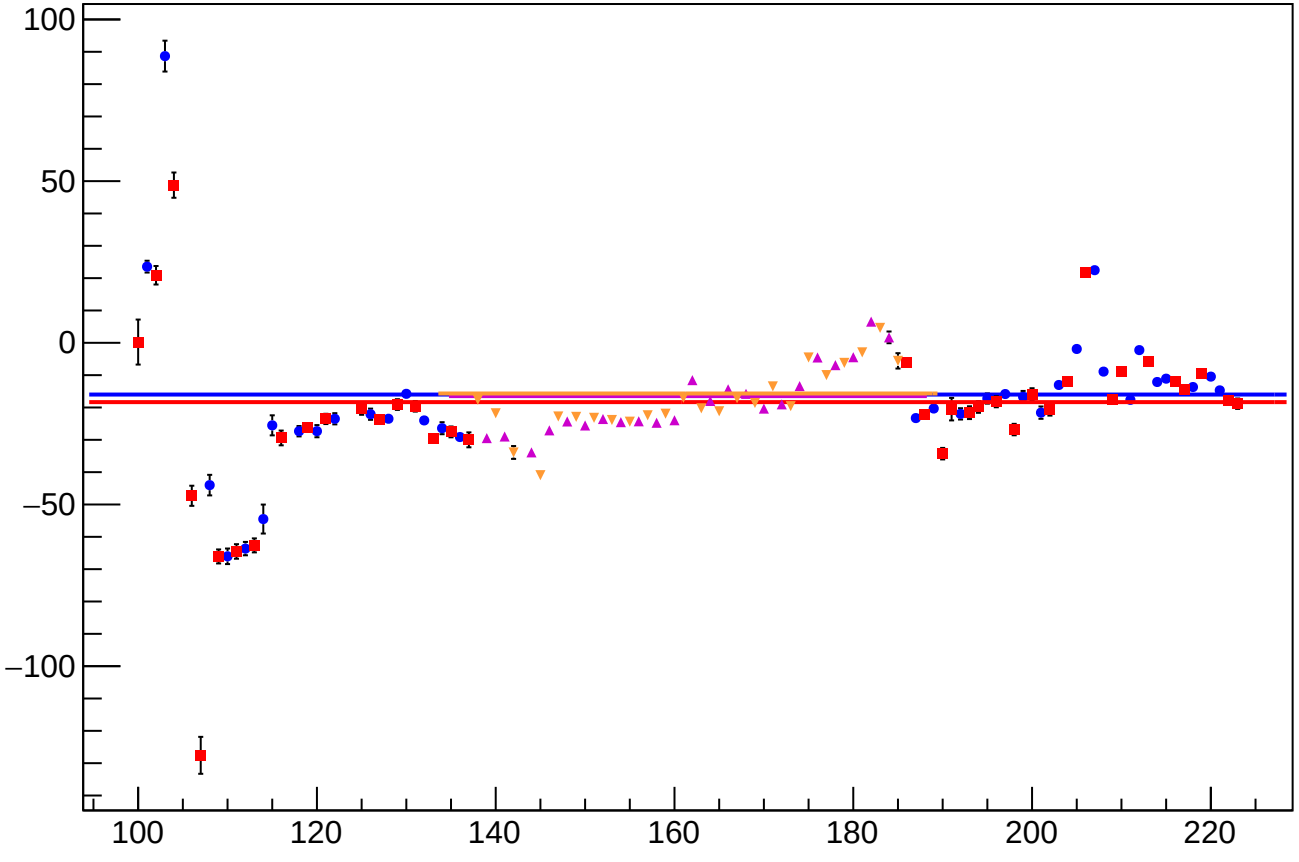
Right: -1.034+/-0.216 χ^2/NDF: 982.8/71

In: -1.436+/-0.171 χ^2/NDF:806.5/56

Out: -1.072+/-0.169 χ^2/NDF:733.7/61

All: -1.251+/-0.120 χ^2/NDF: 1542.4/118

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

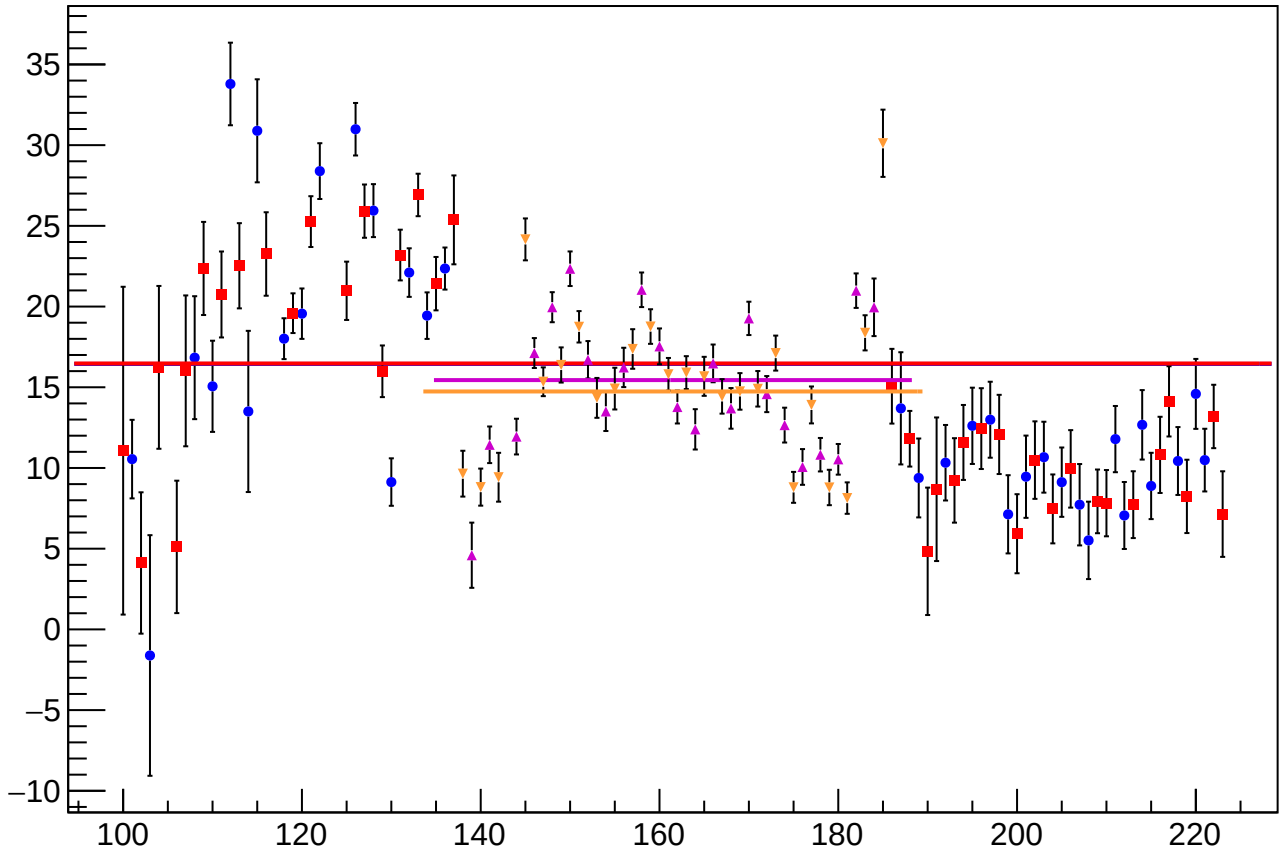
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -17.204+/-0.177 χ^2/NDF: 7357.1/71

In: -16.229+/-0.184 χ^2/NDF:5201.3/56

Out: -17.089+/-0.180 χ^2/NDF:5387.0/61

All: -16.668+/-0.129 χ^2/NDF: 10599.5/118



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

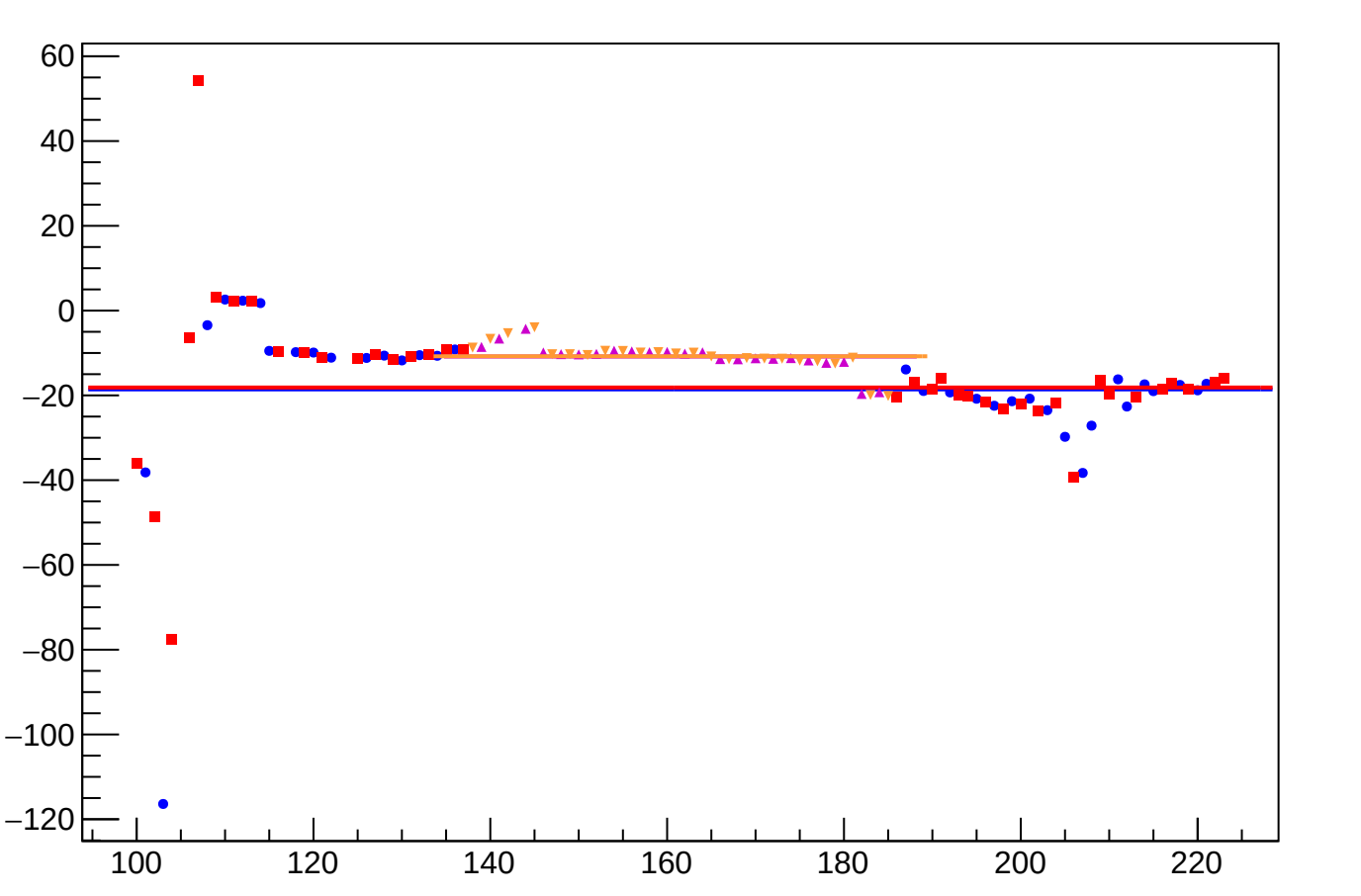
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 16.459+/-0.247 χ^2/NDF: 853.0/71

In: 15.754+/-0.194 χ^2/NDF:760.2/56

Out: 15.259+/-0.192 χ^2/NDF:737.0/61

All: 15.504+/-0.136 χ^2/NDF: 1500.5/118



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

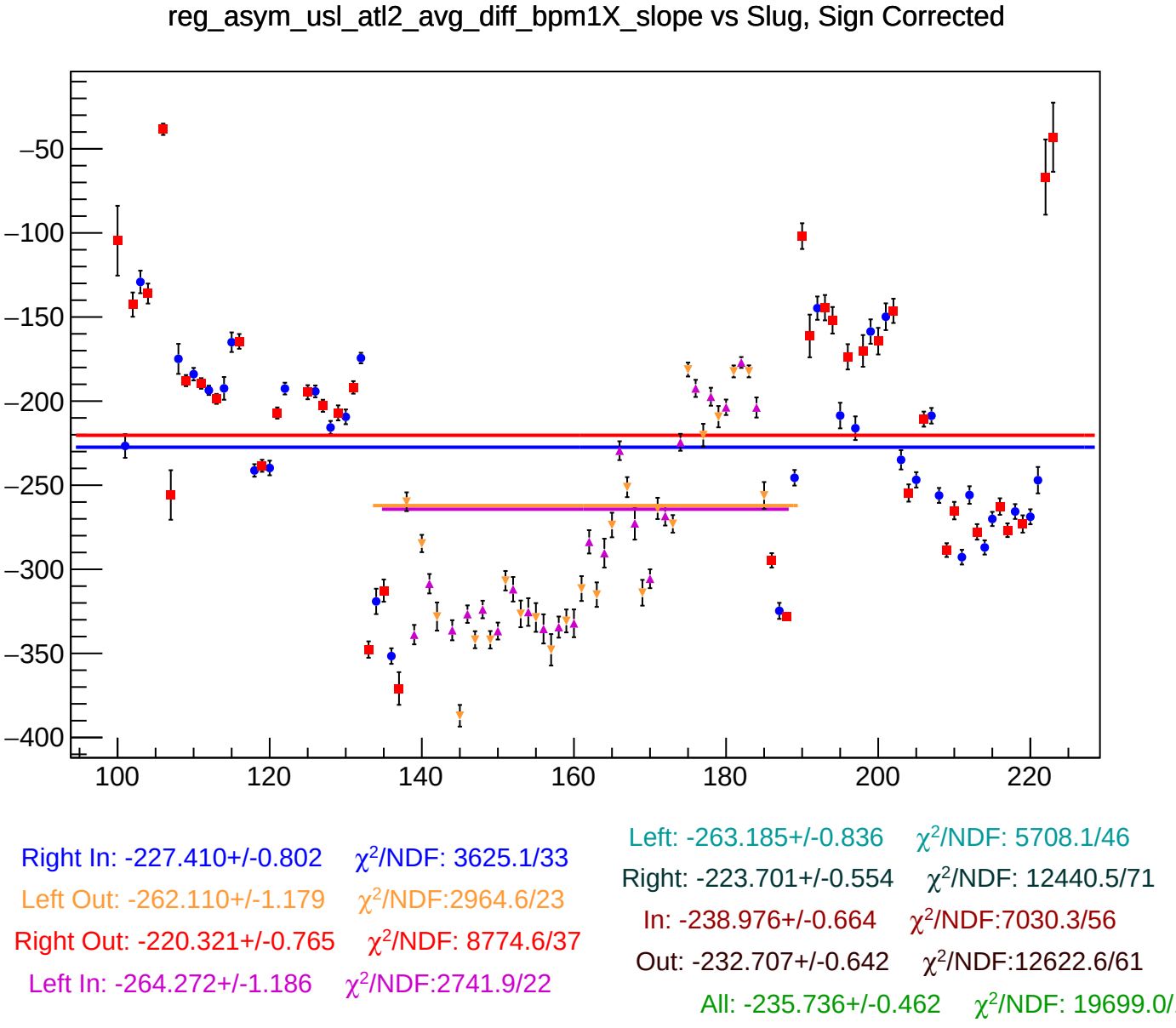
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

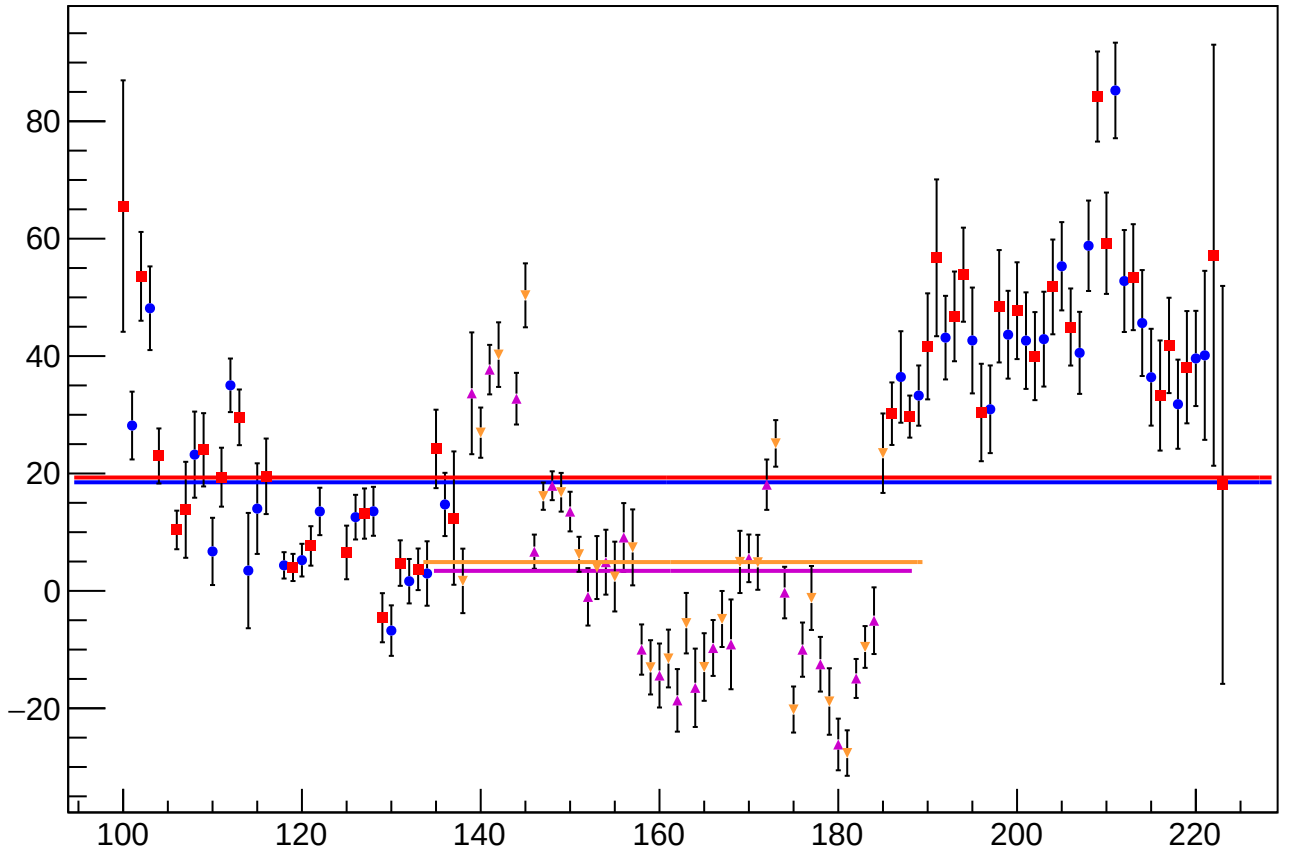
Right: -18.365+/-0.012 χ^2/NDF: 890491.6/71

In: -12.865+/-0.009 χ^2/NDF:678661.9/56

Out: -12.695+/-0.009 χ^2/NDF:651879.4/61

All: -12.780+/-0.006 χ^2/NDF: 1330726.3/118


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
220
Right In: -227.410+/-0.802 χ²/NDF: 3625.1/33
Left Out: -262.110+/-1.179 χ²/NDF:2964.6/23
Right Out: -220.321+/-0.765 χ²/NDF: 8774.6/37
Left In: -264.272+/-1.186 χ²/NDF:2741.9/22
Left: -263.185+/-0.836 χ²/NDF: 5708.1/46
Right: -223.701+/-0.554 χ²/NDF: 12440.5/71
In: -238.976+/-0.664 χ²/NDF:7030.3/56
Out: -232.707+/-0.642 χ²/NDF:12622.6/61
All: -235.736+/-0.462 χ²/NDF: 19699.0/118



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

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

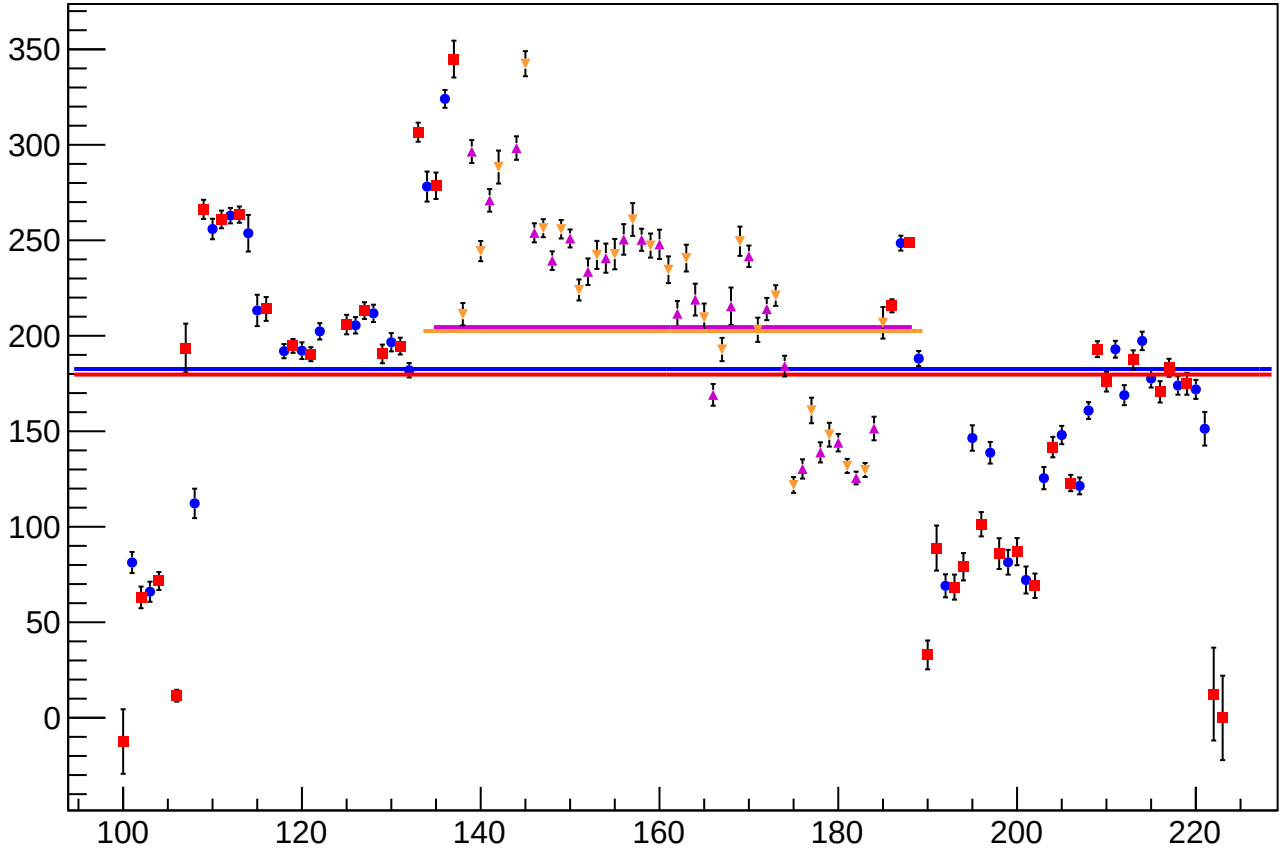
Right: 18.920+/-0.640 χ^2/NDF: 819.9/71

In: 10.793+/-0.644 χ^2/NDF:876.3/56

Out: 12.076+/-0.628 χ^2/NDF:944.3/61

All: 11.450+/-0.450 χ^2/NDF: 1822.6/118

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

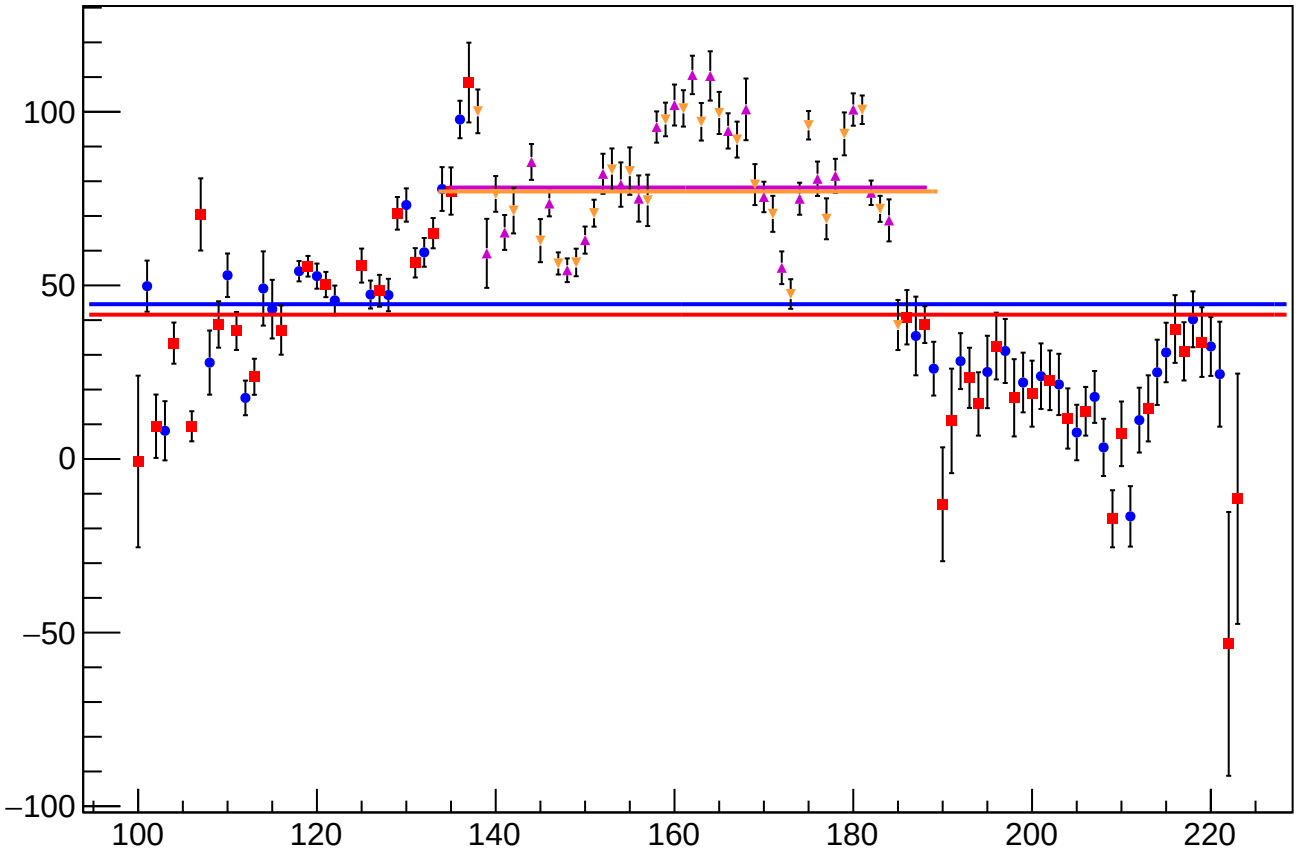
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 181.047+/-0.583 χ^2/NDF: 13985.2/71

In: 190.189+/-0.692 χ^2/NDF:6874.3/56

Out: 186.903+/-0.659 χ^2/NDF:12270.5/61

All: 188.467+/-0.477 χ^2/NDF: 19156.6/118



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

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

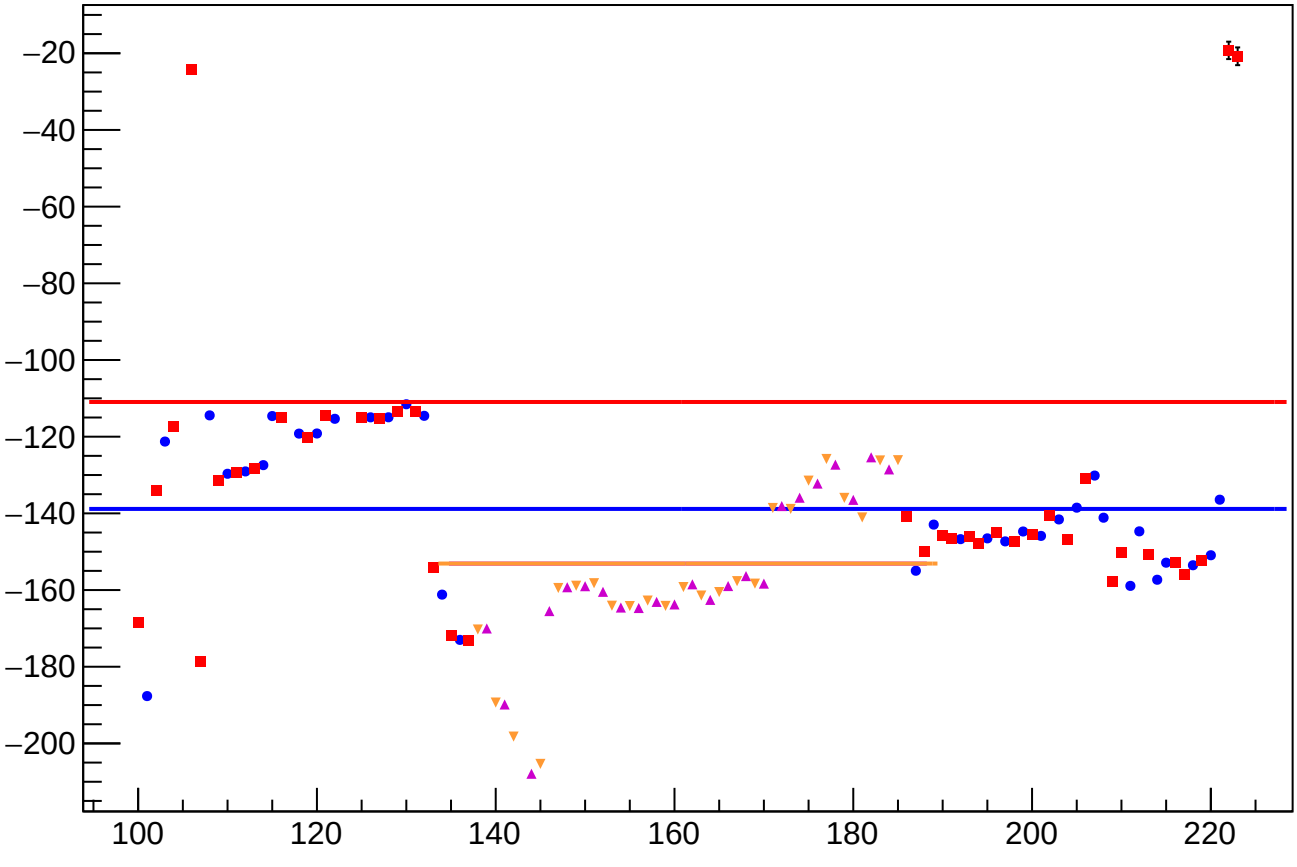
Right: 43.047+/-0.747 χ^2/NDF: 842.1/71

In: 62.047+/-0.739 χ^2/NDF:1158.5/56

Out: 59.842+/-0.728 χ^2/NDF:1332.0/61

All: 60.929+/-0.519 χ^2/NDF: 2495.0/118

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

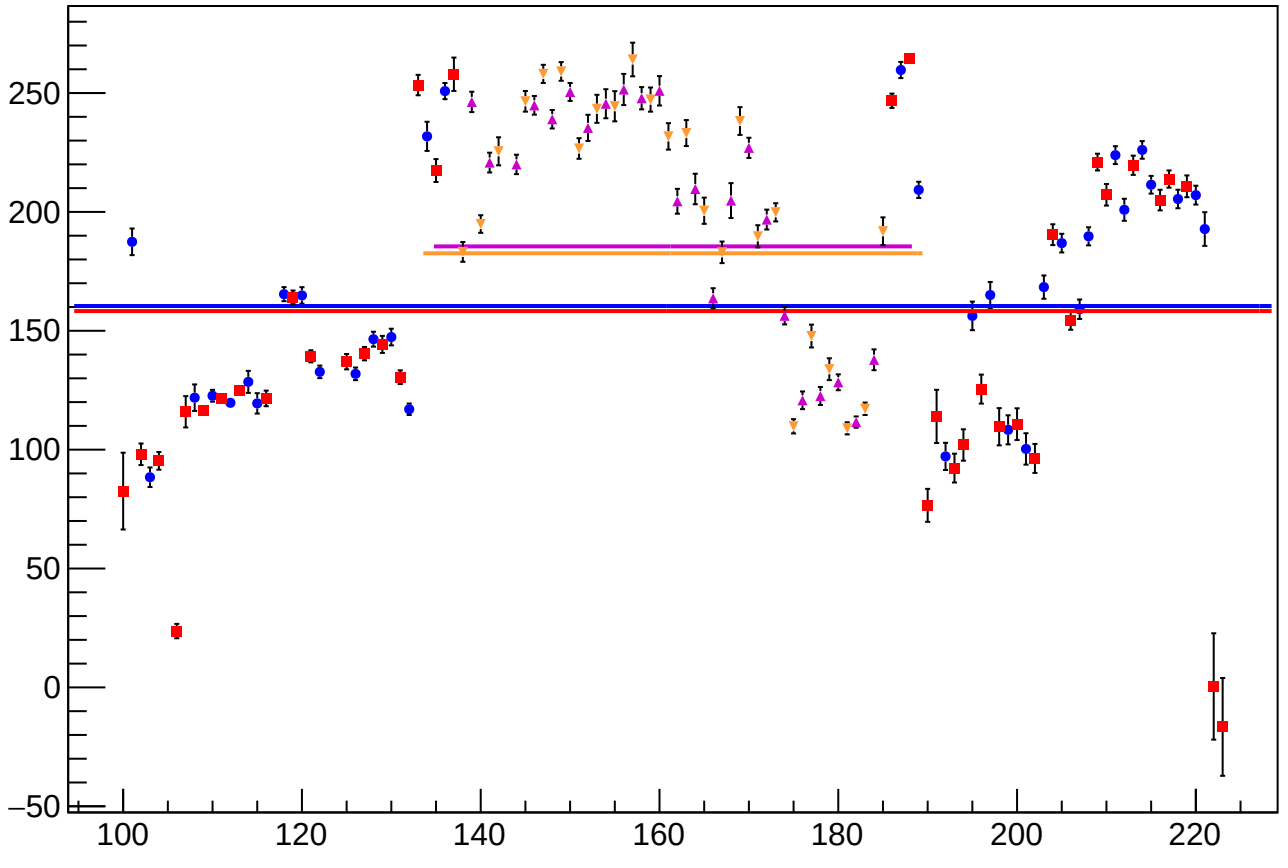
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -122.914+/-0.038 χ^2/NDF: 1284273.0/71

In: -147.494+/-0.036 χ^2/NDF:314313.8/56

Out: -133.441+/-0.034 χ^2/NDF:1594651.1/61

All: -140.060+/-0.025 χ^2/NDF: 1988138.9/11



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

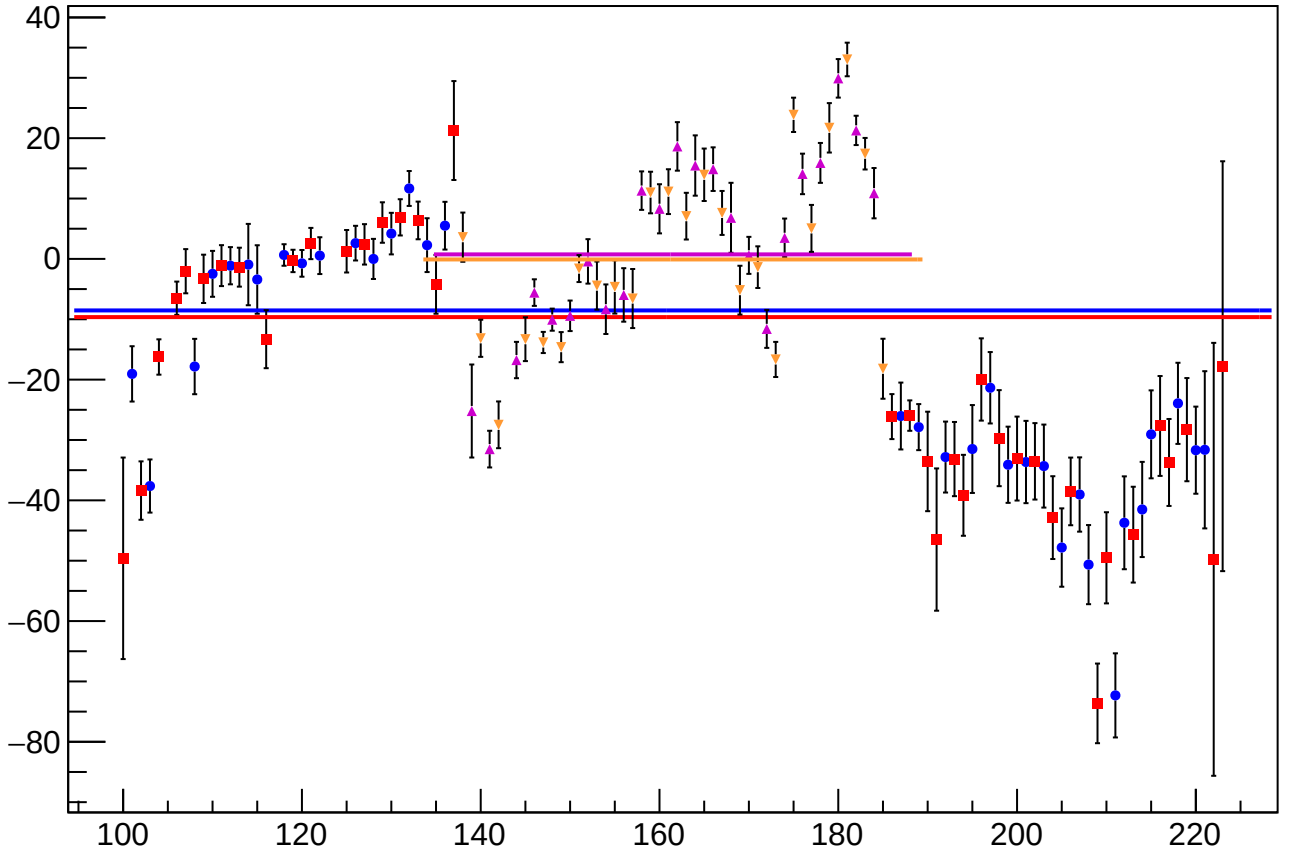
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 159.287+/-0.426 χ^2/NDF: 16129.2/71

In: 168.871+/-0.506 χ^2/NDF:9621.0/56

Out: 165.885+/-0.484 χ^2/NDF:15565.8/61

All: 167.310+/-0.350 χ^2/NDF: 25205.0/118



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

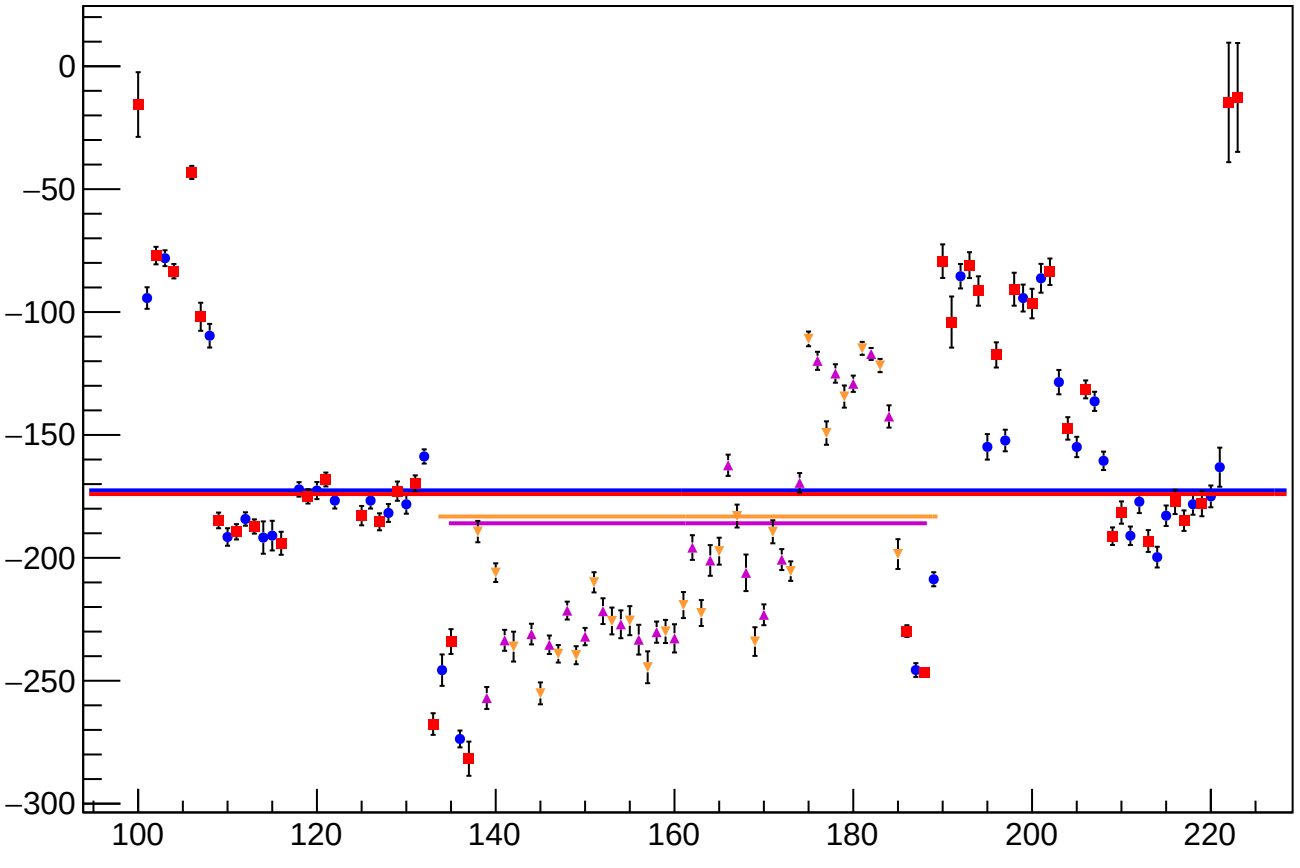
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -9.117+/-0.491 χ^2/NDF: 1172.0/71

In: -3.577+/-0.486 χ^2/NDF:1165.0/56

Out: -4.695+/-0.471 χ^2/NDF:1252.1/61

All: -4.153+/-0.338 χ^2/NDF: 2419.8/118



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

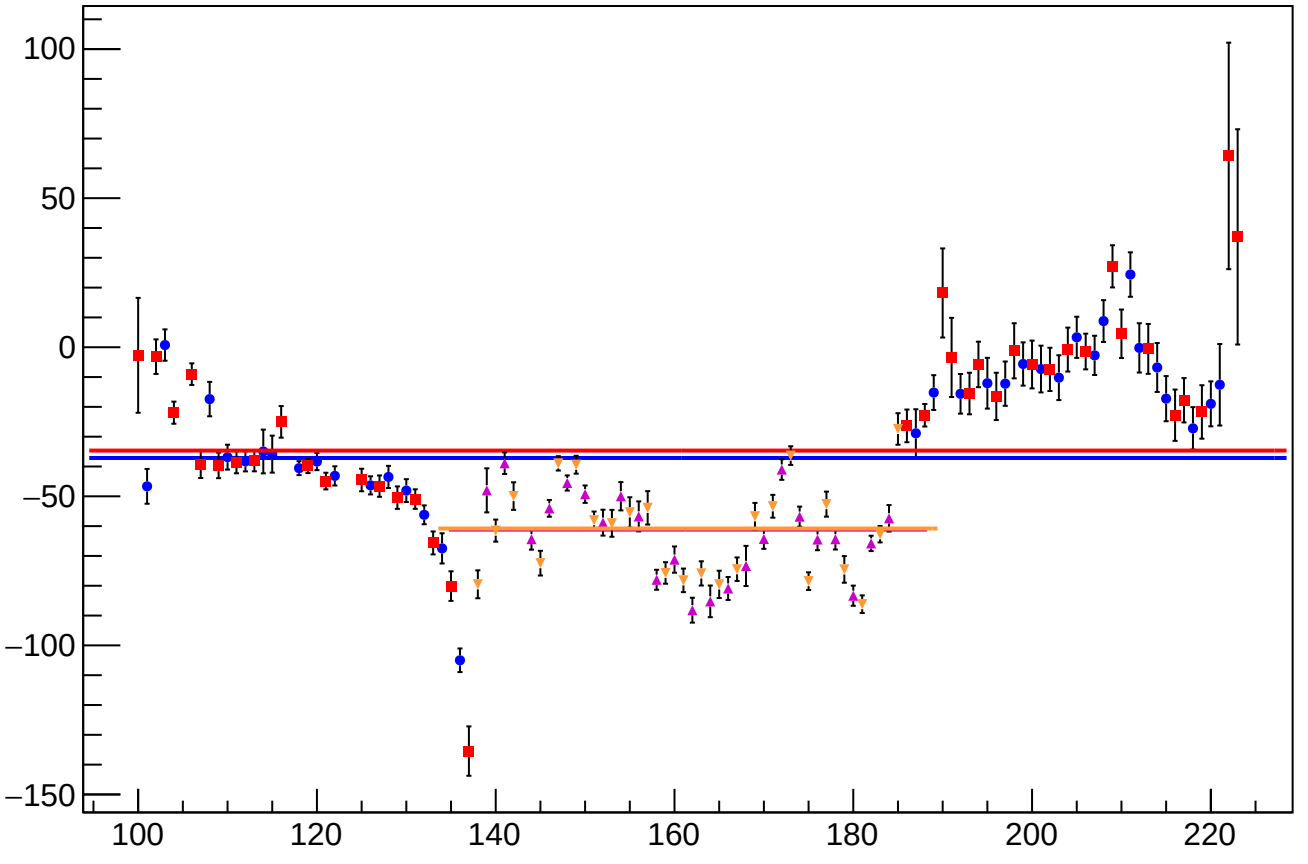
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.368+/-0.450 χ^2/NDF: 14467.4/71

In: -177.525+/-0.529 χ^2/NDF:7648.7/56

Out: -177.088+/-0.497 χ^2/NDF:13583.2/61

All: -177.293+/-0.362 χ^2/NDF: 21232.2/118



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

Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

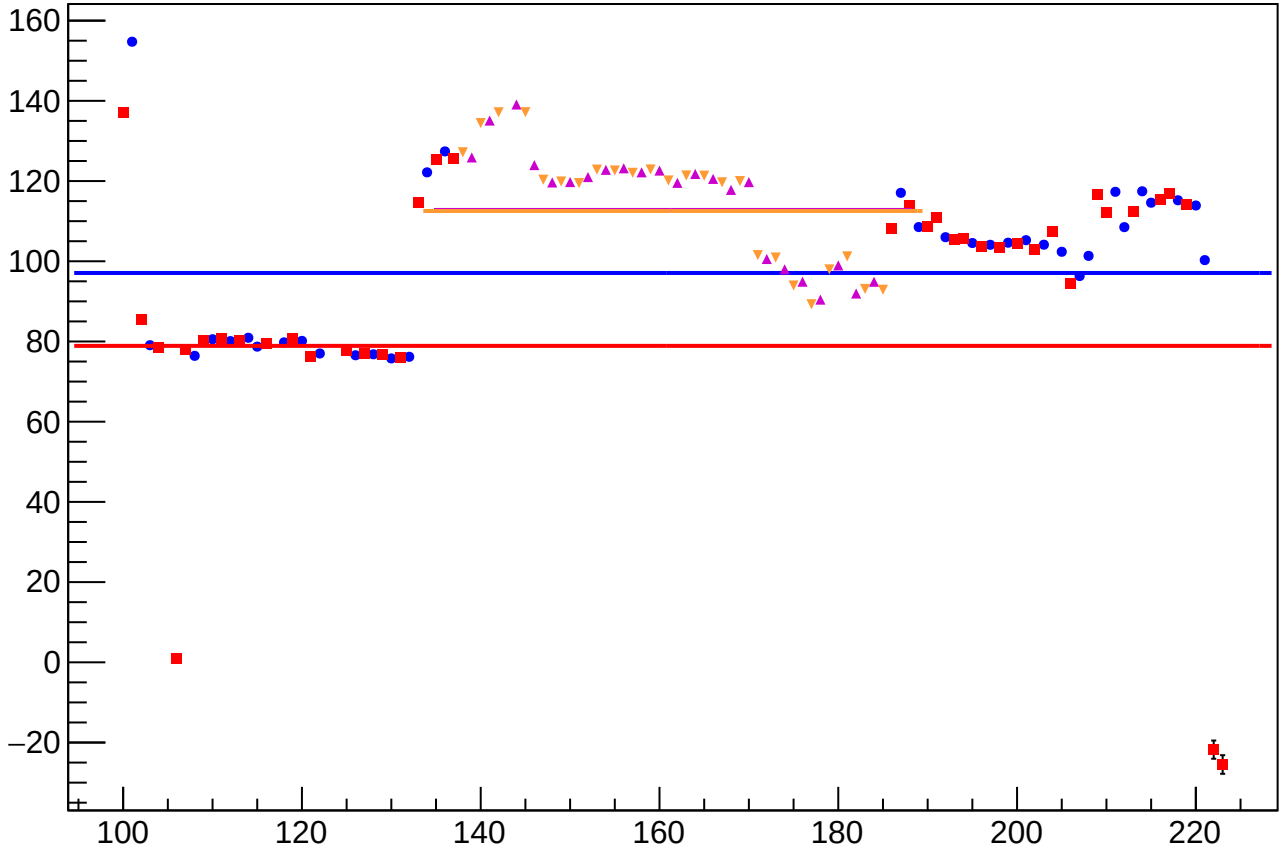
Right: -35.859+/-0.575 χ^2/NDF: 1540.3/71

In: -50.221+/-0.558 χ^2/NDF:1550.1/56

Out: -48.585+/-0.547 χ^2/NDF:1805.2/61

All: -49.386+/-0.391 χ^2/NDF: 3359.8/118

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

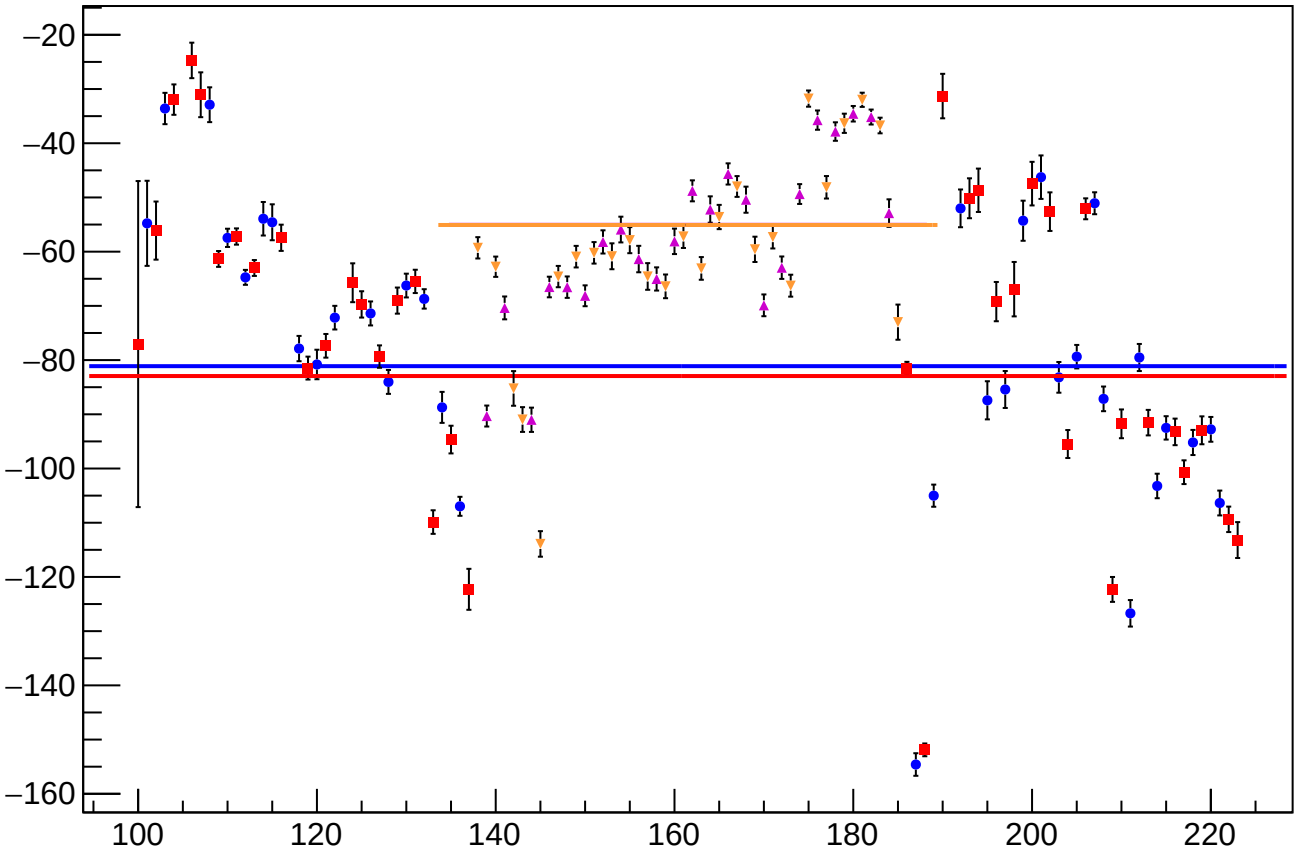
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.912+/-0.030 χ^2/NDF: 1222204.1/71

In: 106.962+/-0.027 χ^2/NDF:444636.0/56

Out: 98.052+/-0.026 χ^2/NDF:1516369.9/61

All: 102.305+/-0.019 χ^2/NDF: 2016663.4/118



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

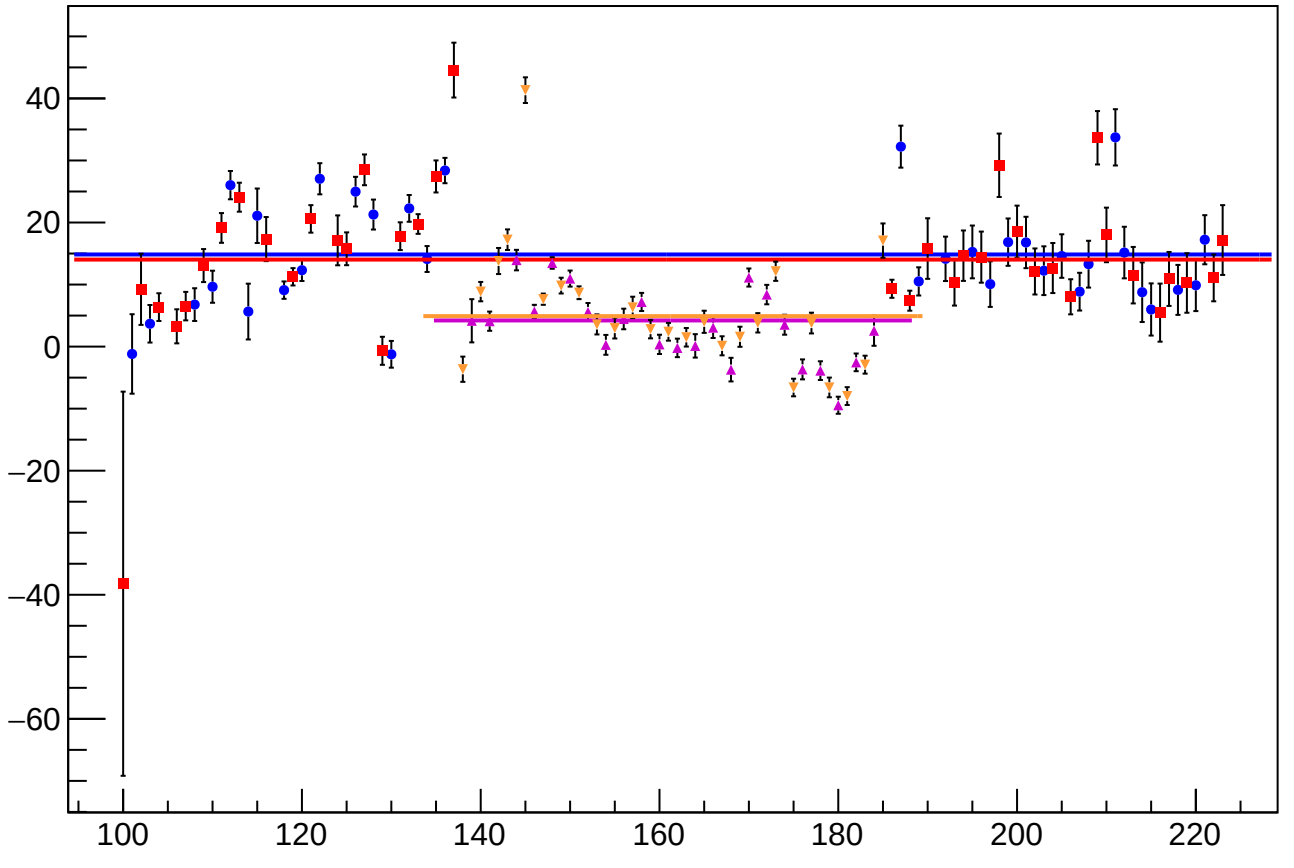
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -82.104+/-0.273 χ^2/NDF: 10720.3/71

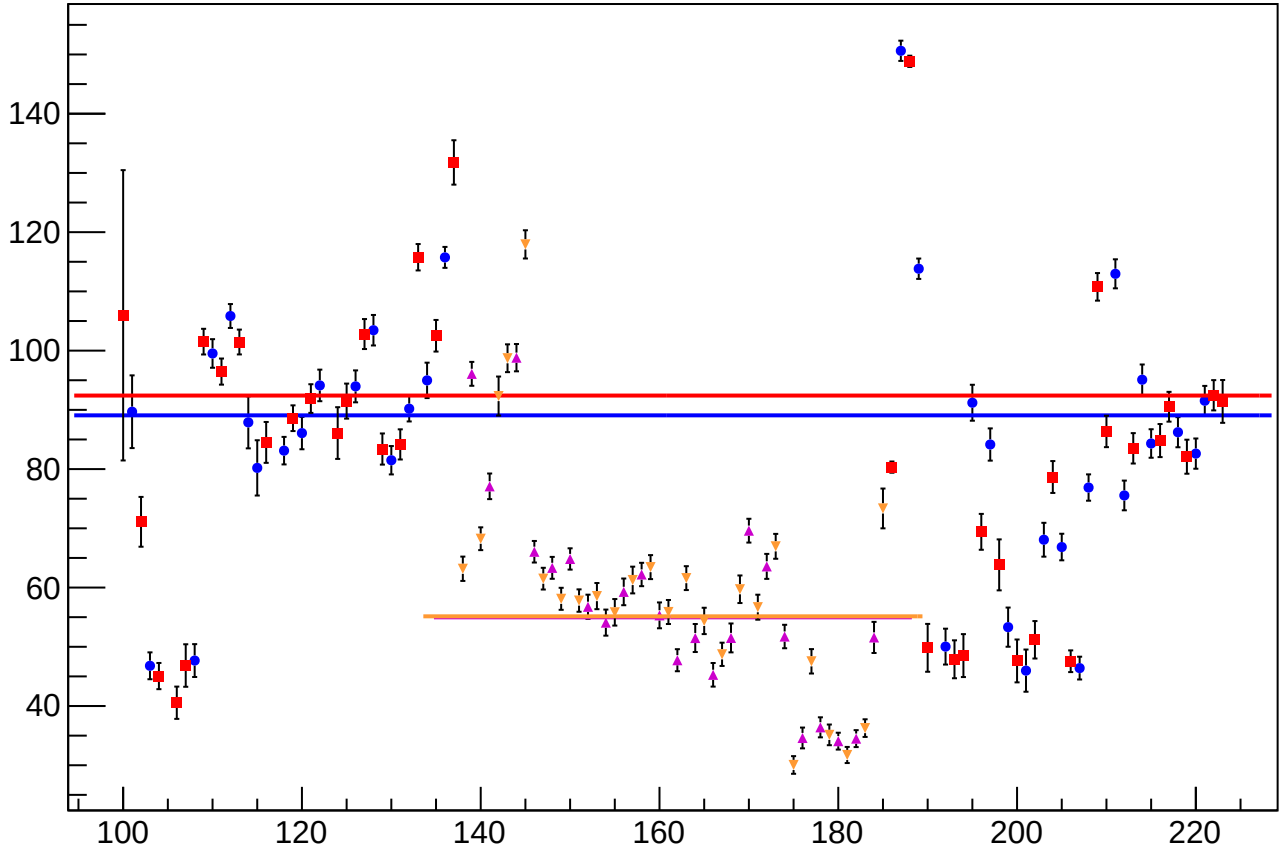
In: -68.318+/-0.288 χ^2/NDF:7411.1/56

Out: -70.030+/-0.273 χ^2/NDF:11493.1/62

All: -69.220+/-0.198 χ^2/NDF: 18922.8/119


reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
120
140
160
180
200
220
Right In: 14.848+/-0.483 χ²/NDF: 306.6/33
Left Out: 4.910+/-0.301 χ²/NDF:741.5/24
Right Out: 14.025+/-0.445 χ²/NDF: 316.8/37
Left In: 4.215+/-0.312 χ²/NDF:415.1/22
Left: 4.575+/-0.217 χ²/NDF: 1159.1/47
Right: 14.403+/-0.327 χ²/NDF: 625.0/71
In: 7.354+/-0.262 χ²/NDF:1063.7/56
Out: 7.776+/-0.250 χ²/NDF:1346.0/62
All: 7.576+/-0.181 χ²/NDF: 2411.1/119

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

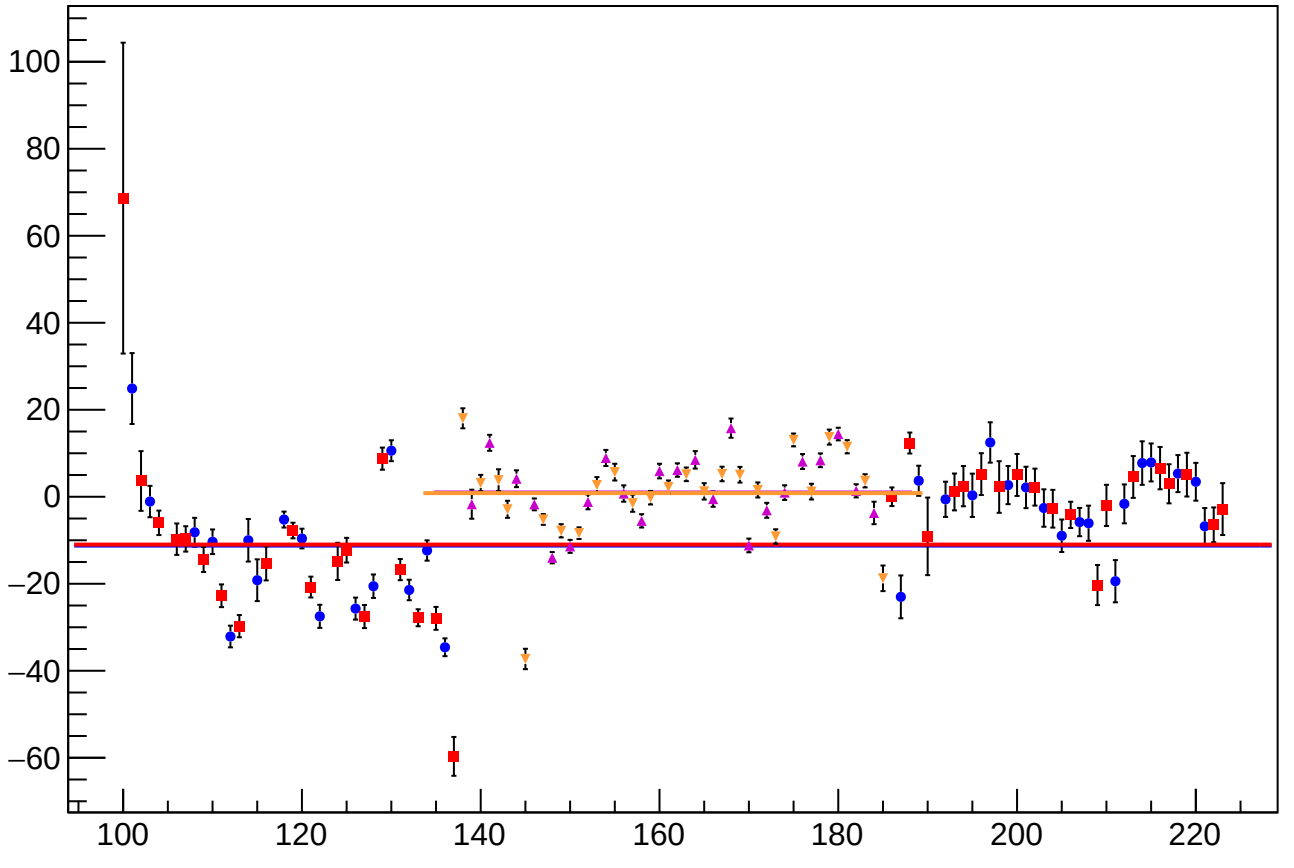
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 90.935+/-0.283 χ^2/NDF: 10369.9/71

In: 71.246+/-0.293 χ^2/NDF:8855.8/56

Out: 74.662+/-0.274 χ^2/NDF:13494.4/62

All: 73.070+/-0.200 χ^2/NDF: 22422.6/119



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

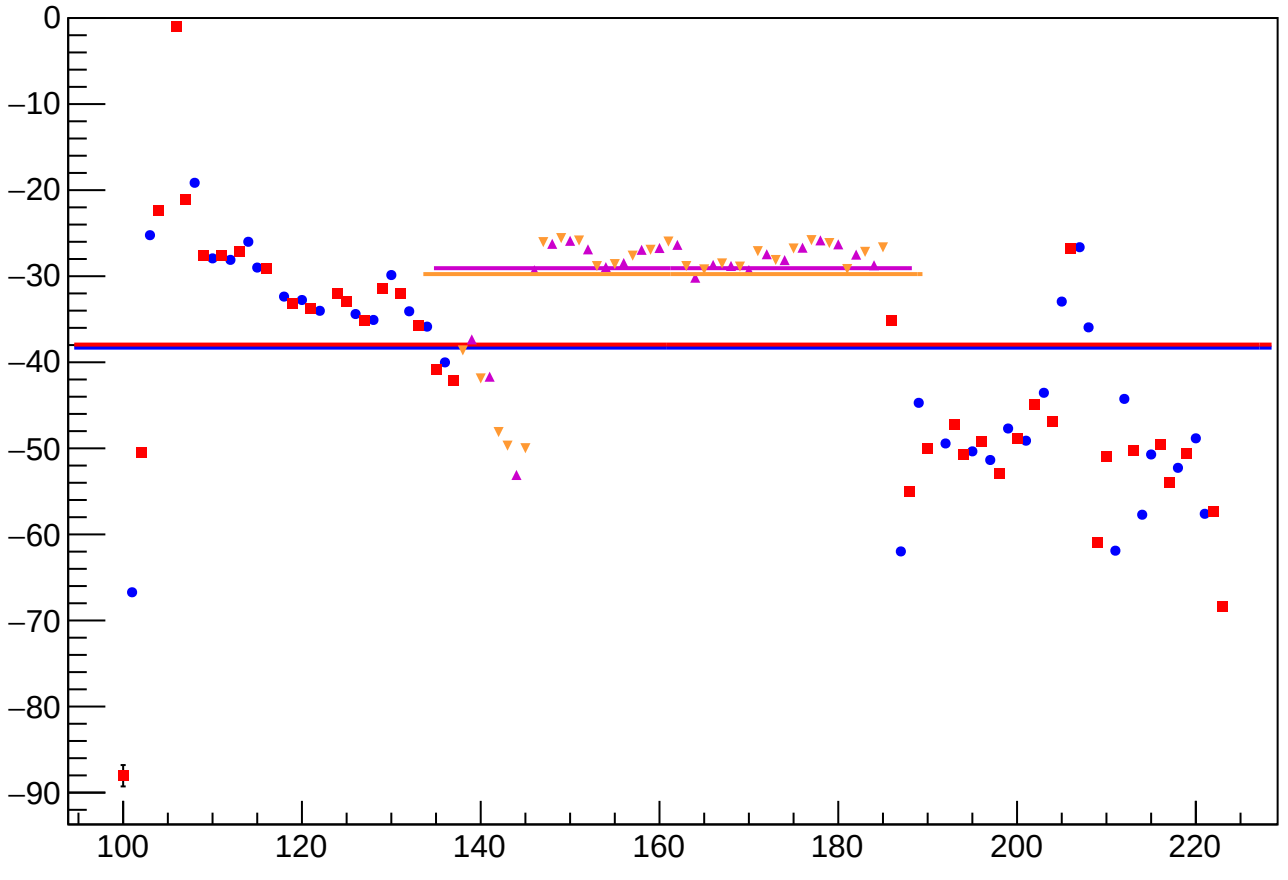
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.100+/-0.382 χ^2/NDF: 1272.1/71

In: -2.547+/-0.298 χ^2/NDF:1487.9/56

Out: -2.685+/-0.287 χ^2/NDF:1759.2/62

All: -2.619+/-0.207 χ^2/NDF: 3247.2/119



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

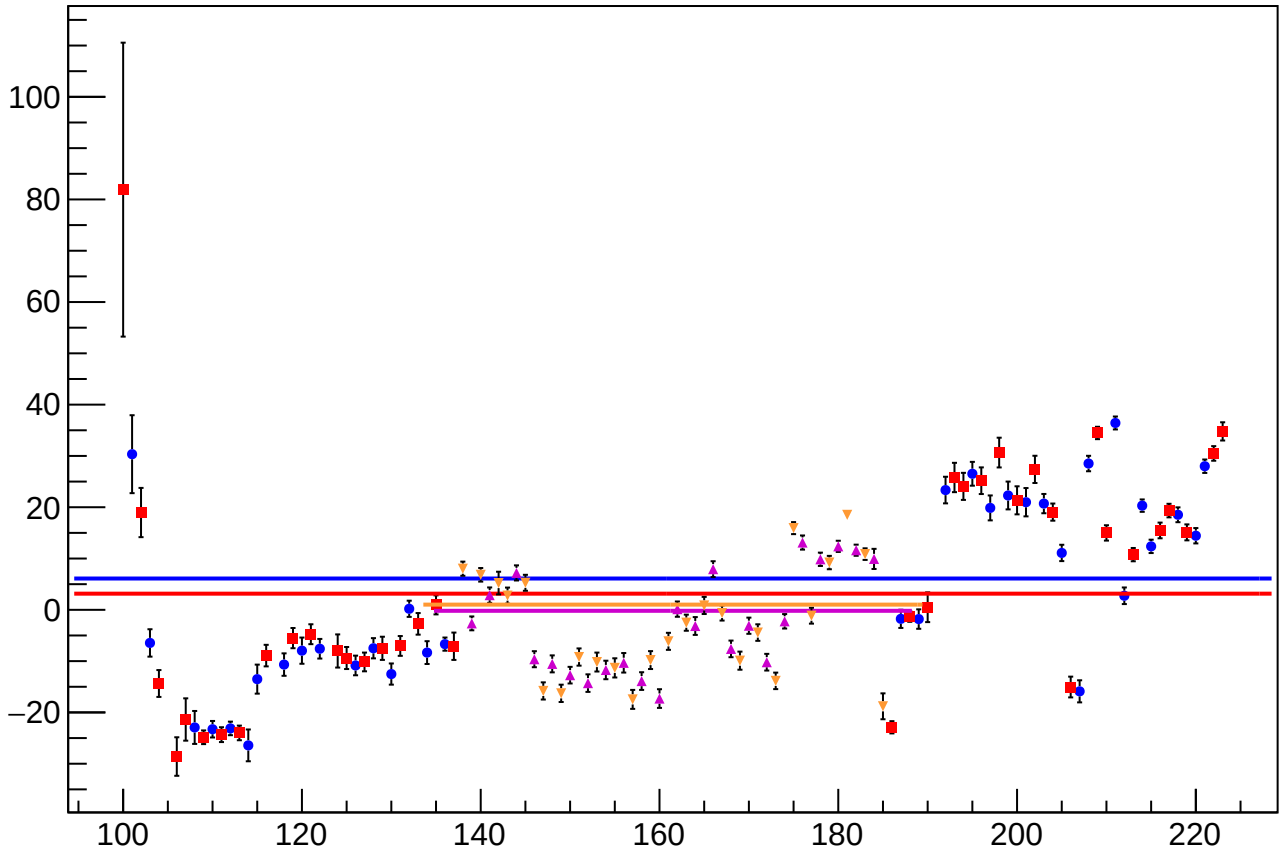
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -38.118+/-0.019 χ^2/NDF: 406029.6/71

In: -31.323+/-0.014 χ^2/NDF:337459.3/56

Out: -31.756+/-0.014 χ^2/NDF:484671.0/62

All: -31.543+/-0.010 χ^2/NDF: 822634.6/119



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

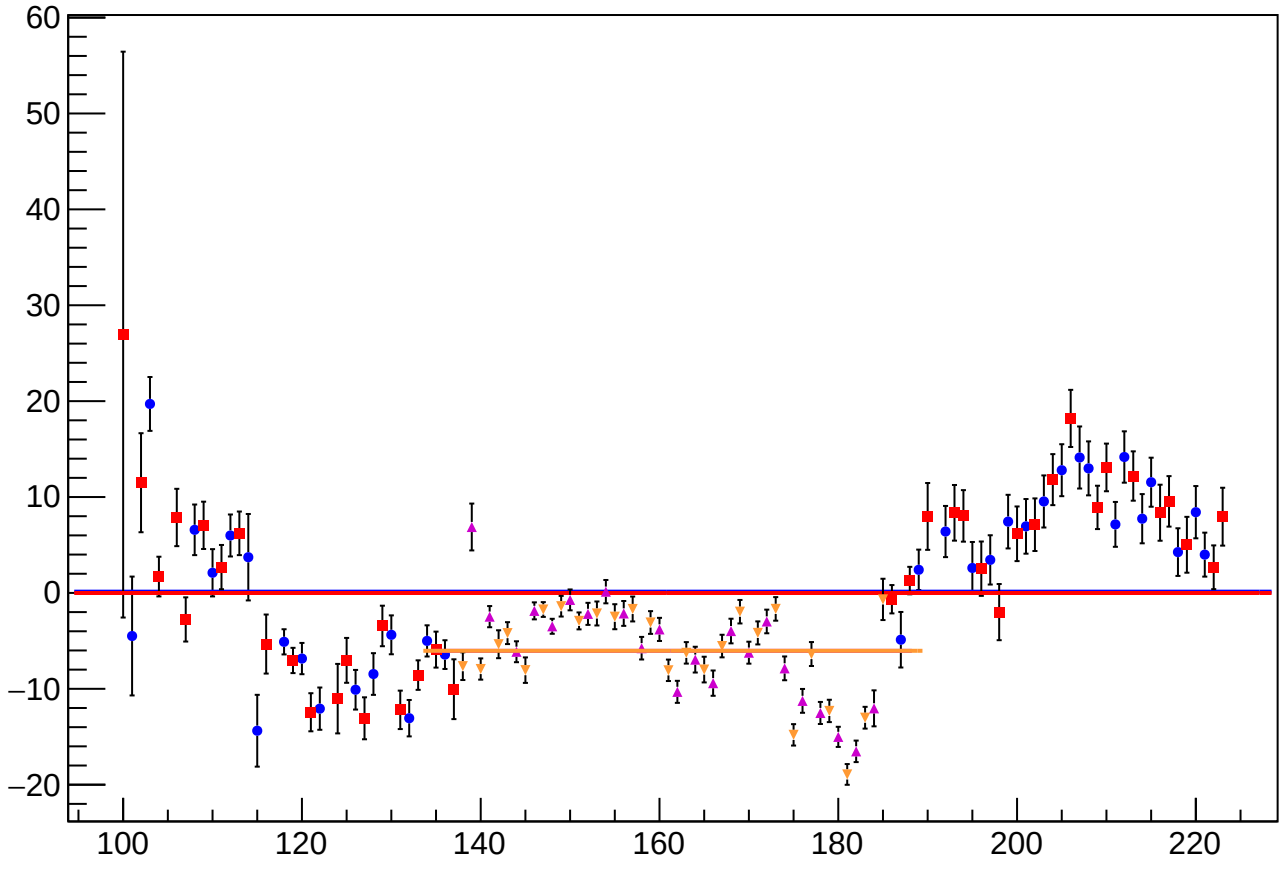
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: 4.564+/-0.213 χ^2/NDF: 7815.1/71

In: 3.023+/-0.220 χ^2/NDF:4563.0/56

Out: 2.118+/-0.212 χ^2/NDF:5751.9/62

All: 2.553+/-0.153 χ^2/NDF: 10323.6/119



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

Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

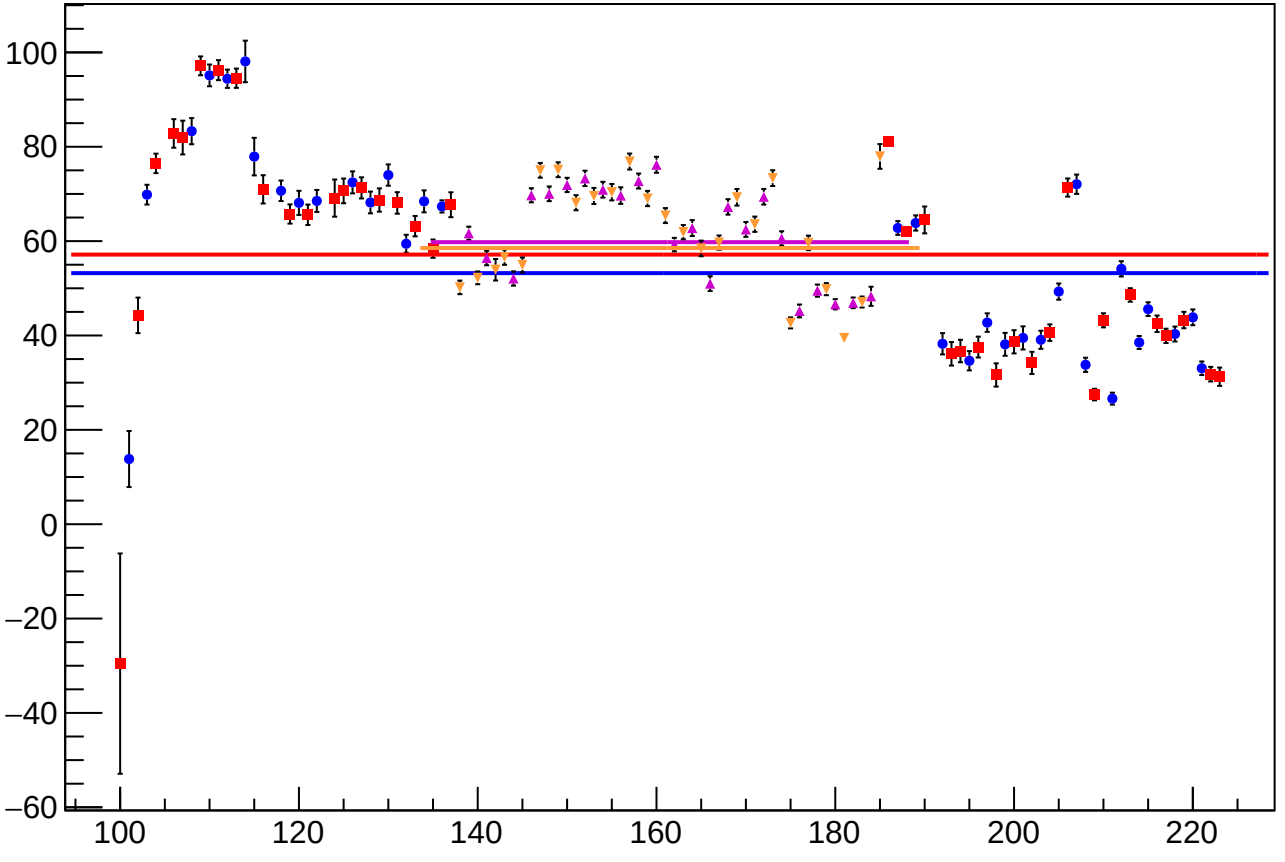
Right: 0.059+/-0.273 χ^2/NDF: 883.4/71

In: -4.357+/-0.207 χ^2/NDF:1017.0/56

Out: -4.368+/-0.198 χ^2/NDF:1038.9/62

All: -4.363+/-0.143 χ^2/NDF: 2055.9/119

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

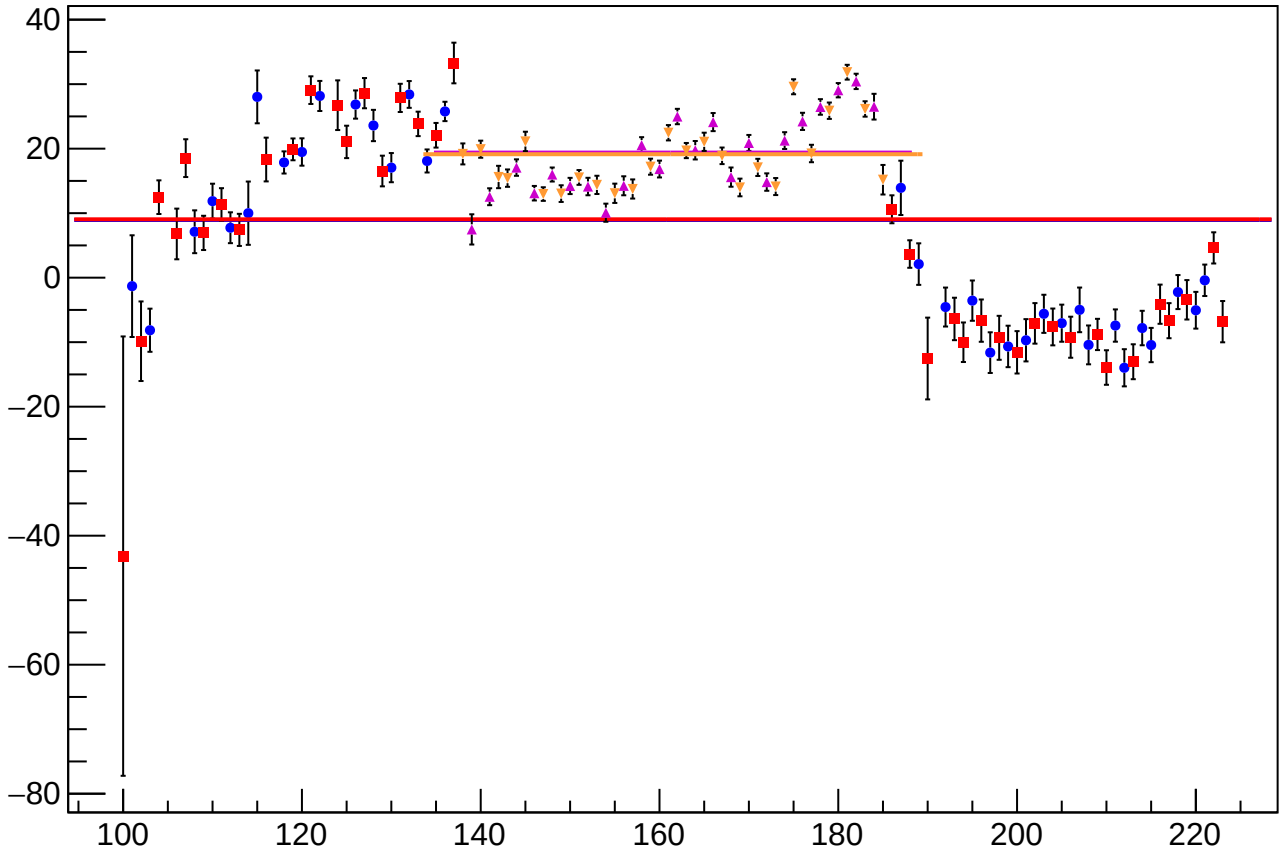
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 55.310+/-0.221 χ^2/NDF: 7463.9/71

In: 56.621+/-0.224 χ^2/NDF:4443.5/56

Out: 57.839+/-0.214 χ^2/NDF:5685.4/62

All: 57.259+/-0.155 χ^2/NDF: 10144.3/119



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

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

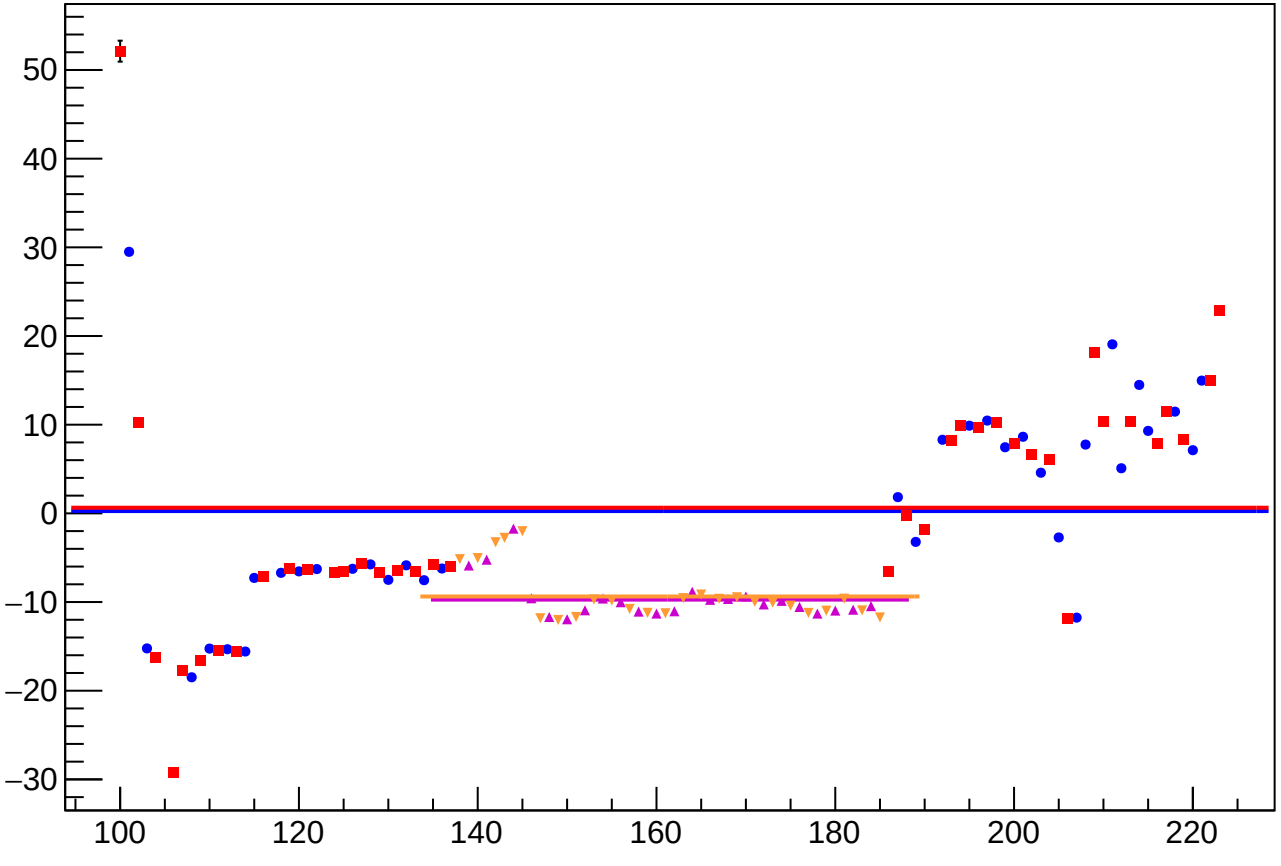
Right: 8.994+/-0.313 χ^2/NDF: 2131.2/71

In: 16.544+/-0.233 χ^2/NDF:1914.6/56

Out: 16.440+/-0.226 χ^2/NDF:1906.1/62

All: 16.490+/-0.162 χ^2/NDF: 3820.8/119

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

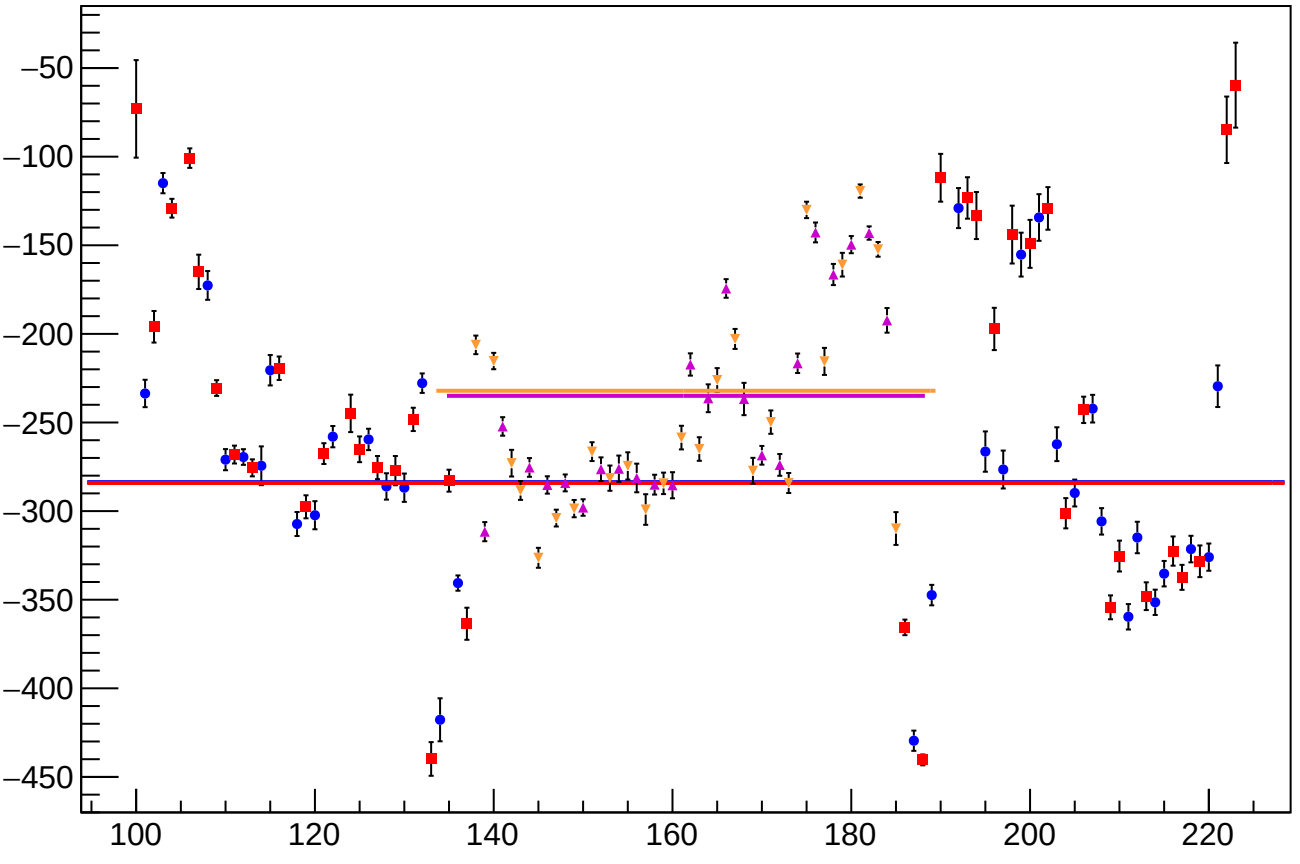
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: 0.447+/-0.015 χ^2/NDF: 499745.4/71

In: -7.332+/-0.011 χ^2/NDF:424447.4/56

Out: -7.050+/-0.010 χ^2/NDF:484821.0/62

All: -7.189+/-0.007 χ^2/NDF: 909631.1/119



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

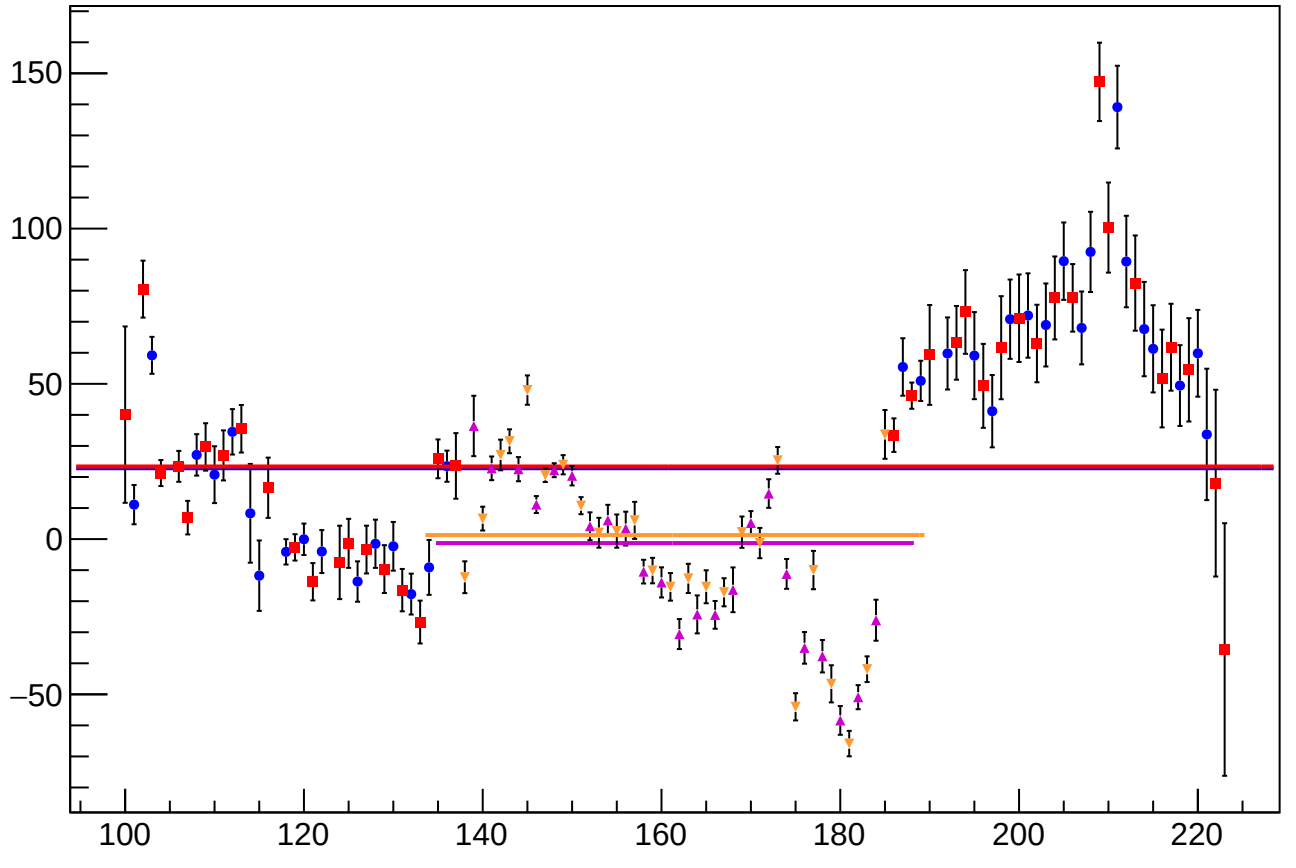
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -283.902+/-0.835 χ^2/NDF: 10499.4/71

In: -258.132+/-0.851 χ^2/NDF:6498.5/56

Out: -258.279+/-0.805 χ^2/NDF:11600.4/62

All: -258.210+/-0.585 χ^2/NDF: 18099.0/119



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

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

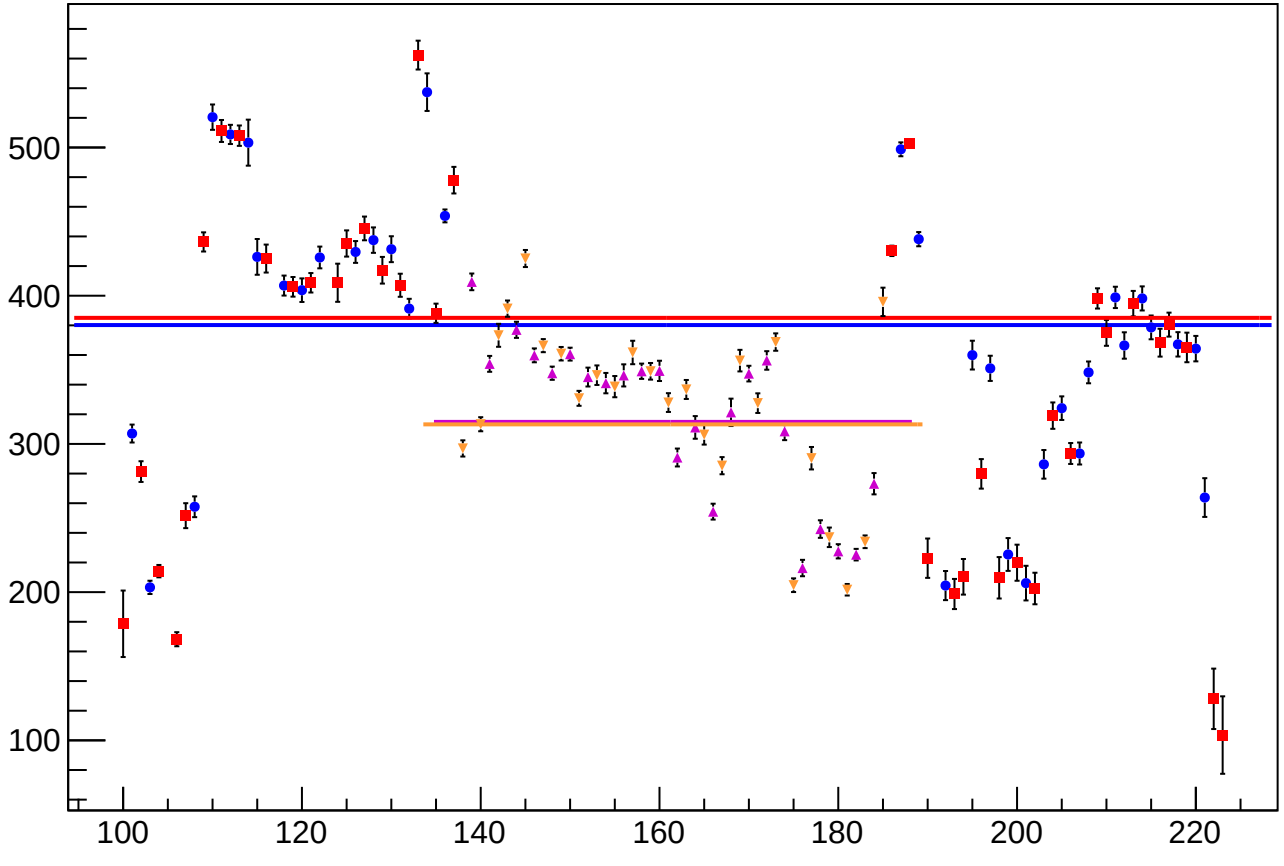
Right: 23.127+/-0.958 χ^2/NDF: 1074.8/71

In: 5.274+/-0.741 χ^2/NDF:1542.5/56

Out: 7.782+/-0.703 χ^2/NDF:1806.8/62

All: 6.594+/-0.510 χ^2/NDF: 3355.3/119

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

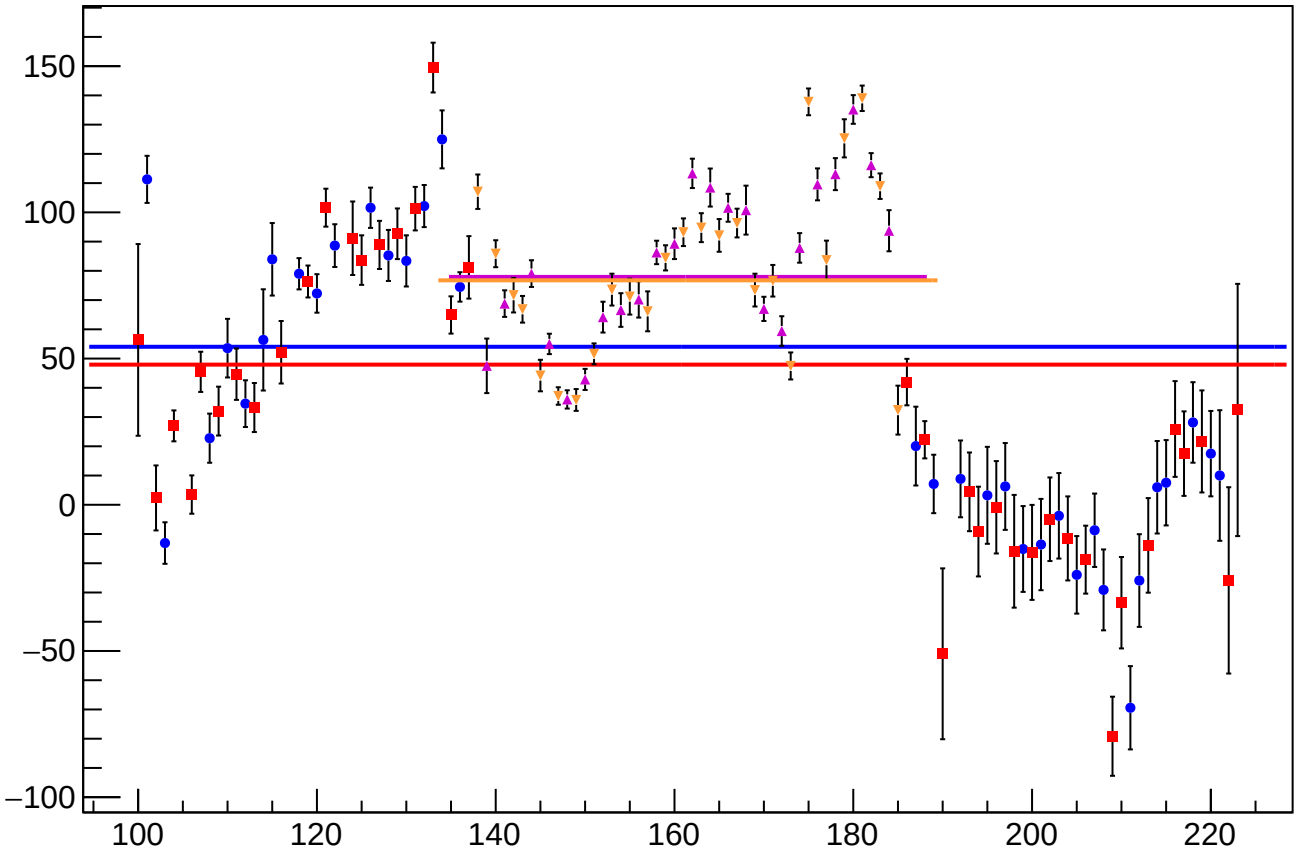
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 382.905+/-0.840 χ^2/NDF: 15315.9/71

In: 344.843+/-0.854 χ^2/NDF:9202.3/56

Out: 349.410+/-0.799 χ^2/NDF:15146.1/62

All: 347.280+/-0.583 χ^2/NDF: 24363.7/119



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

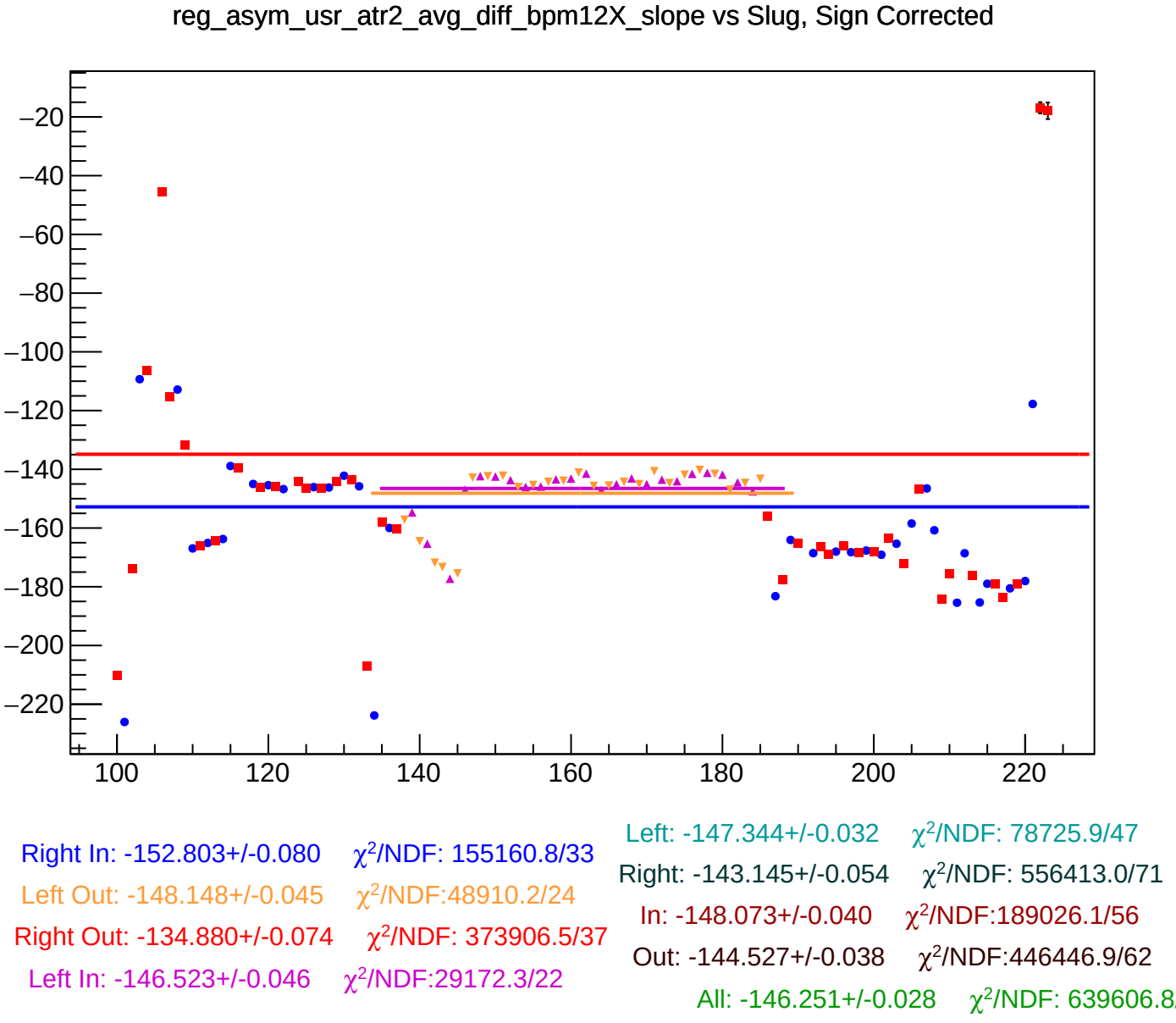
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 50.790+/-1.129 χ^2/NDF: 1524.1/71

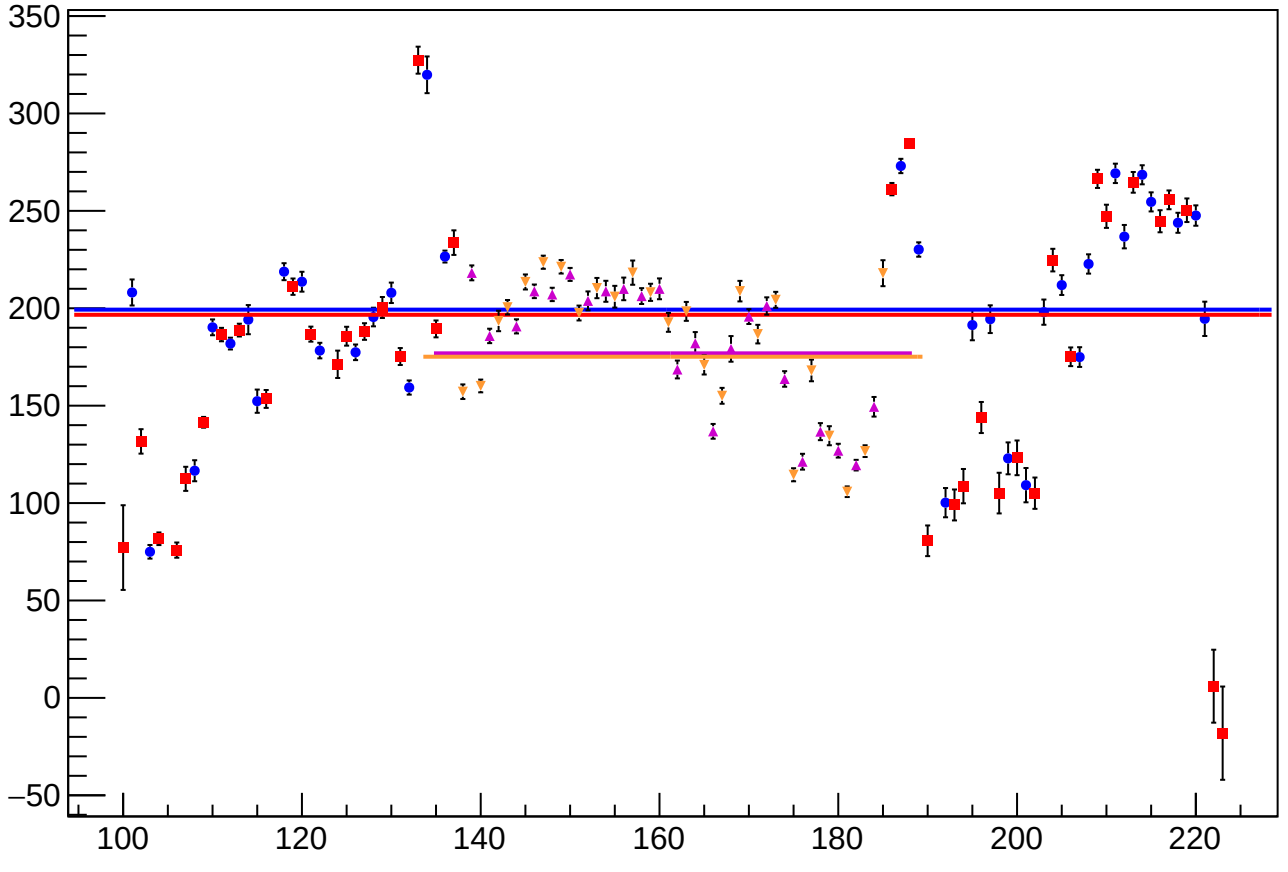
In: 71.530+/-0.853 χ^2/NDF:1685.1/56

Out: 68.685+/-0.820 χ^2/NDF:2053.8/62

All: 70.052+/-0.591 χ^2/NDF: 3744.6/119


reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
100
120
140
160
180
200
220
Right In: -152.803+/-0.080 χ²/NDF: 155160.8/33
Left Out: -148.148+/-0.045 χ²/NDF:48910.2/24
Right Out: -134.880+/-0.074 χ²/NDF: 373906.5/37
Left In: -146.523+/-0.046 χ²/NDF:29172.3/22
Left: -147.344+/-0.032 χ²/NDF: 78725.9/47
Right: -143.145+/-0.054 χ²/NDF: 556413.0/71
In: -148.073+/-0.040 χ²/NDF:189026.1/56
Out: -144.527+/-0.038 χ²/NDF:446446.9/62
All: -146.251+/-0.028 χ²/NDF: 639606.8/119

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

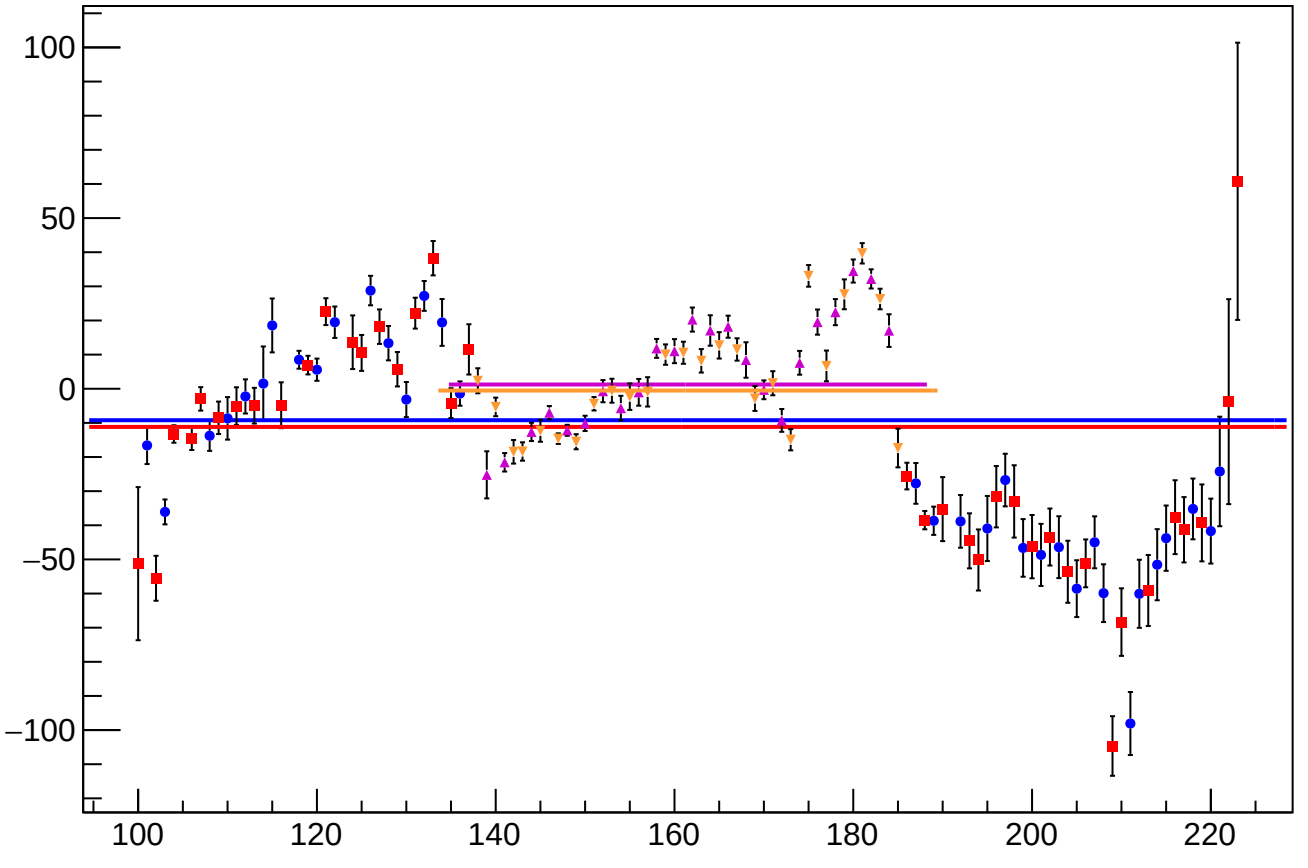
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

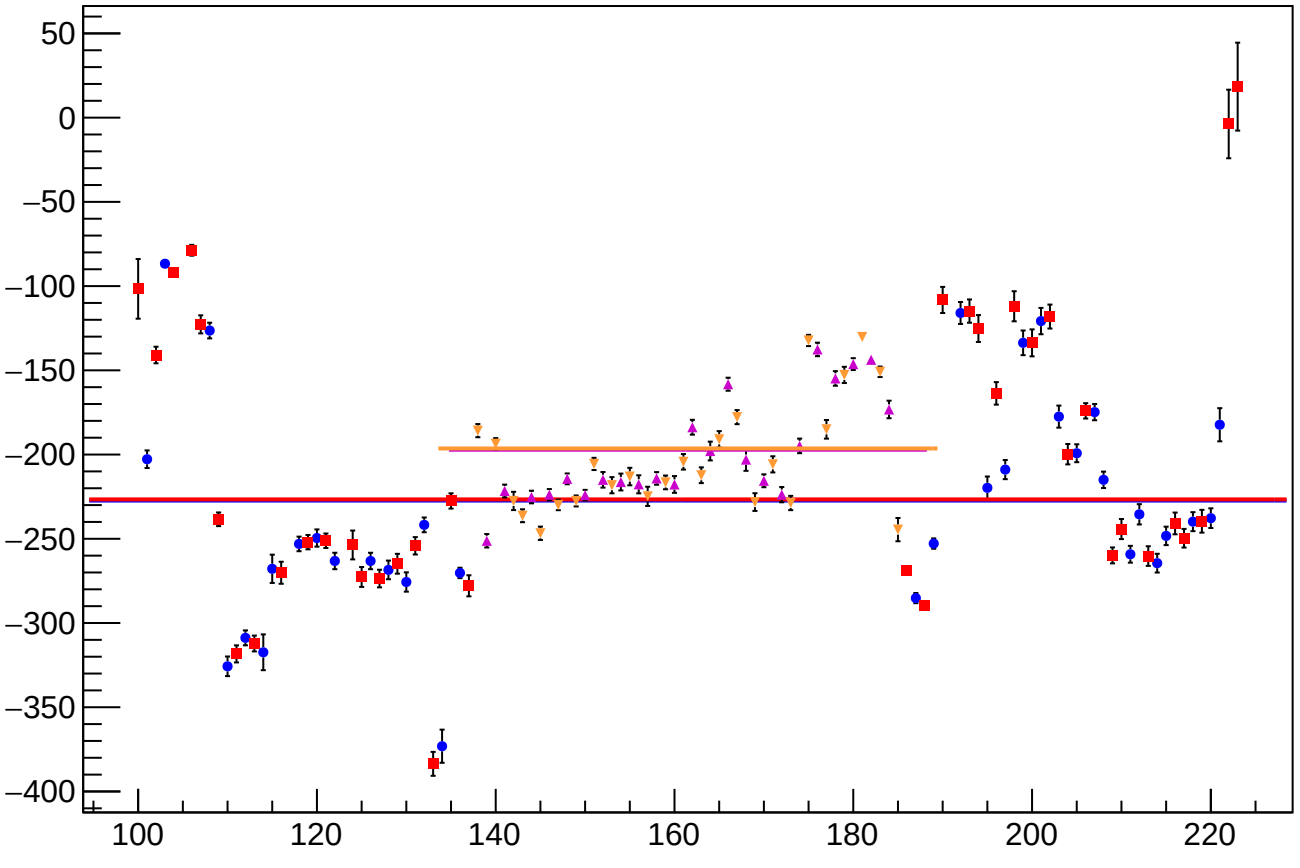
Right: 197.851+/-0.558 χ^2/NDF: 11428.0/71

In: 188.315+/-0.593 χ^2/NDF:5779.7/56

Out: 186.795+/-0.556 χ^2/NDF:10423.9/62

All: 187.507+/-0.406 χ^2/NDF: 16207.2/119


reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -9.221+/-0.952 χ²/NDF: 776.9/33
Left Out: -0.523+/-0.601 χ²/NDF:724.5/24
Right Out: -11.177+/-0.857 χ²/NDF: 859.2/37
Left In: 1.244+/-0.625 χ²/NDF:620.6/22
Left: 0.325+/-0.433 χ²/NDF: 1349.2/47
Right: -10.301+/-0.637 χ²/NDF: 1638.4/71
In: -1.913+/-0.523 χ²/NDF:1481.9/56
Out: -4.031+/-0.492 χ²/NDF:1687.2/62
All: -3.036+/-0.358 χ²/NDF: 3177.9/119



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

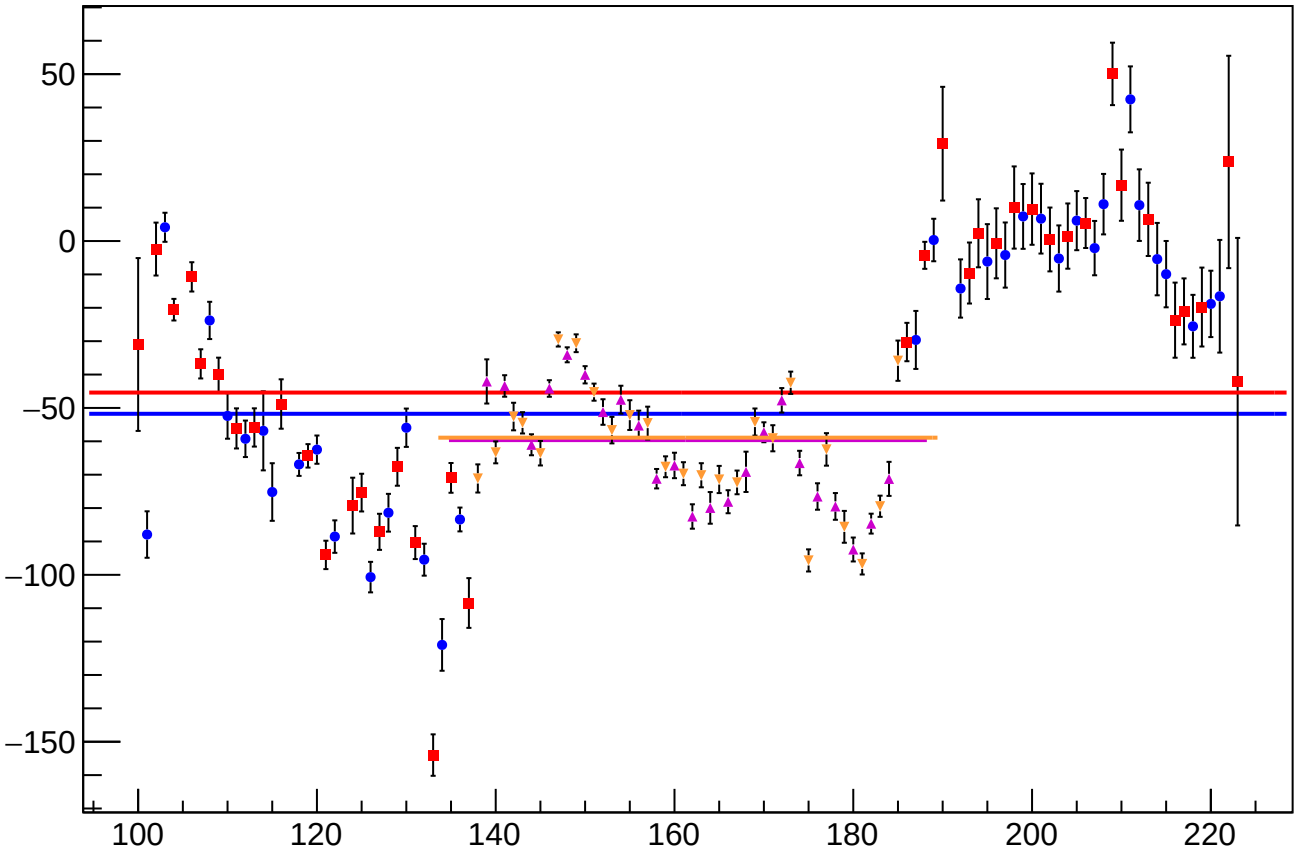
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -226.923+/-0.559 χ^2/NDF: 16856.8/71

In: -212.066+/-0.595 χ^2/NDF:8216.1/56

Out: -212.871+/-0.550 χ^2/NDF:13632.8/62

All: -212.500+/-0.404 χ^2/NDF: 21850.0/119



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

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

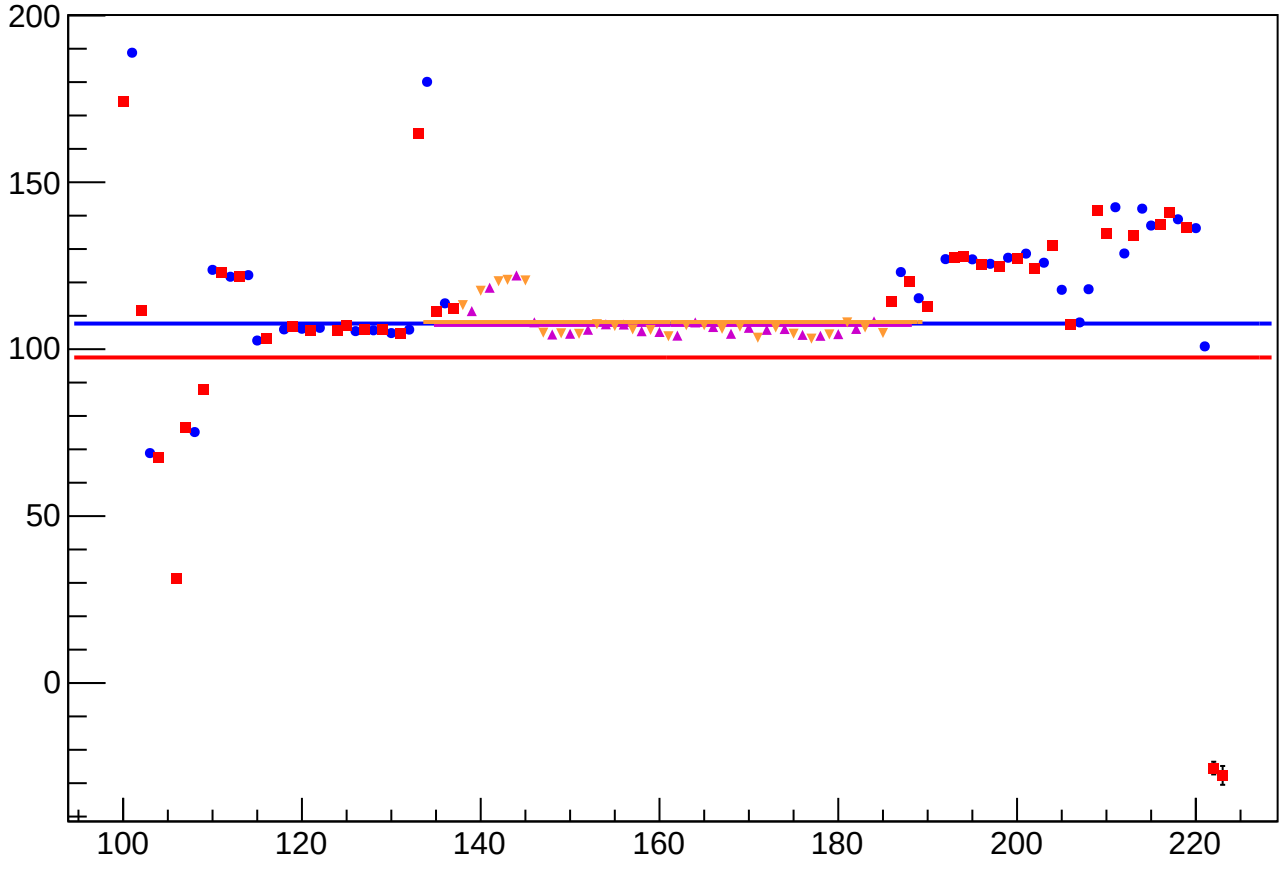
Right: -48.332+/-0.753 χ^2/NDF: 2684.9/71

In: -57.306+/-0.603 χ^2/NDF:1861.3/56

Out: -54.664+/-0.575 χ^2/NDF:2339.8/62

All: -55.924+/-0.416 χ^2/NDF: 4211.2/119

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

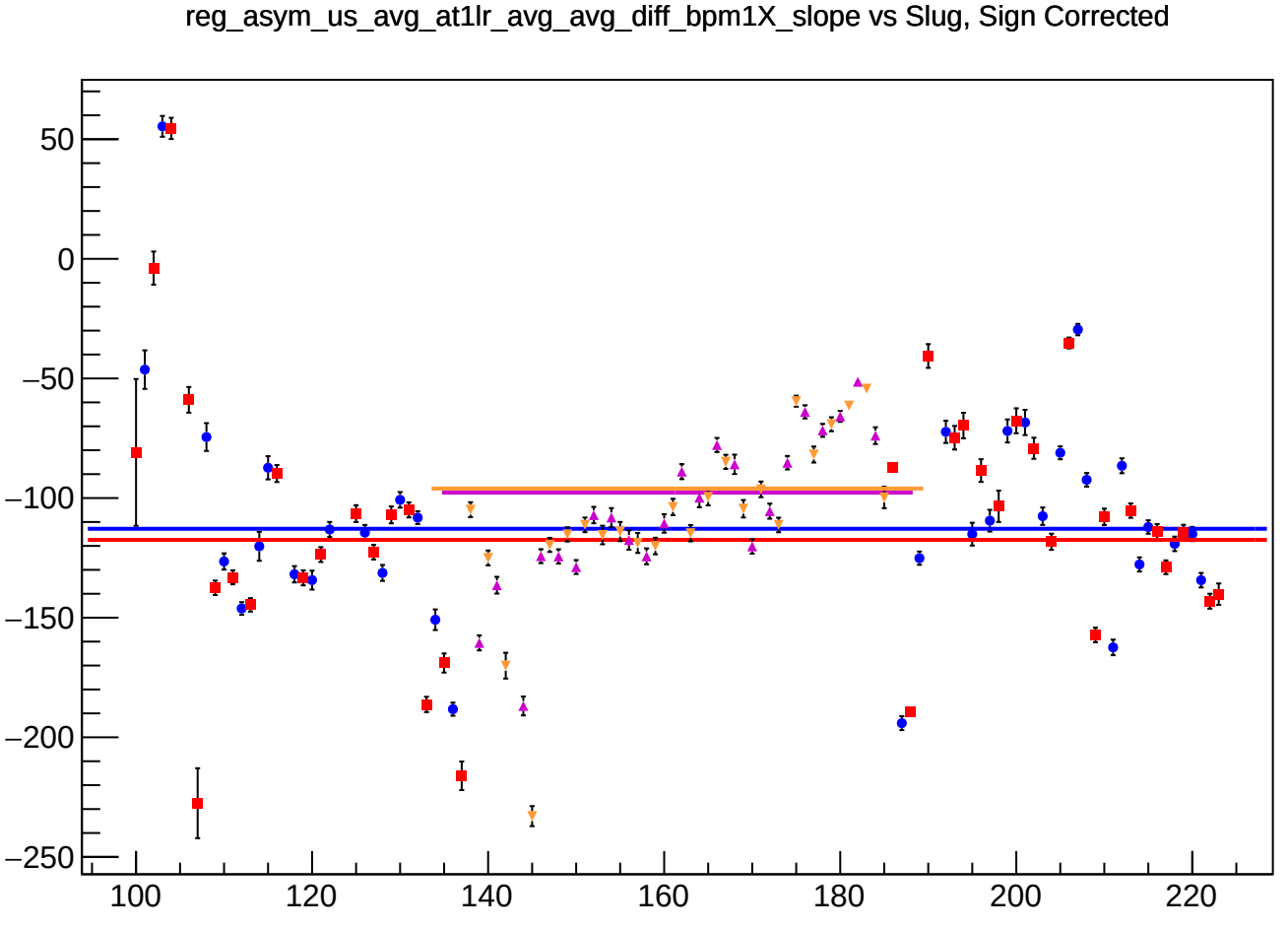
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 102.252+/-0.036 χ^2/NDF: 741471.5/71

In: 107.379+/-0.028 χ^2/NDF:311358.5/56

Out: 104.961+/-0.027 χ^2/NDF:485990.0/62

All: 106.136+/-0.019 χ^2/NDF: 801195.8/119



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

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

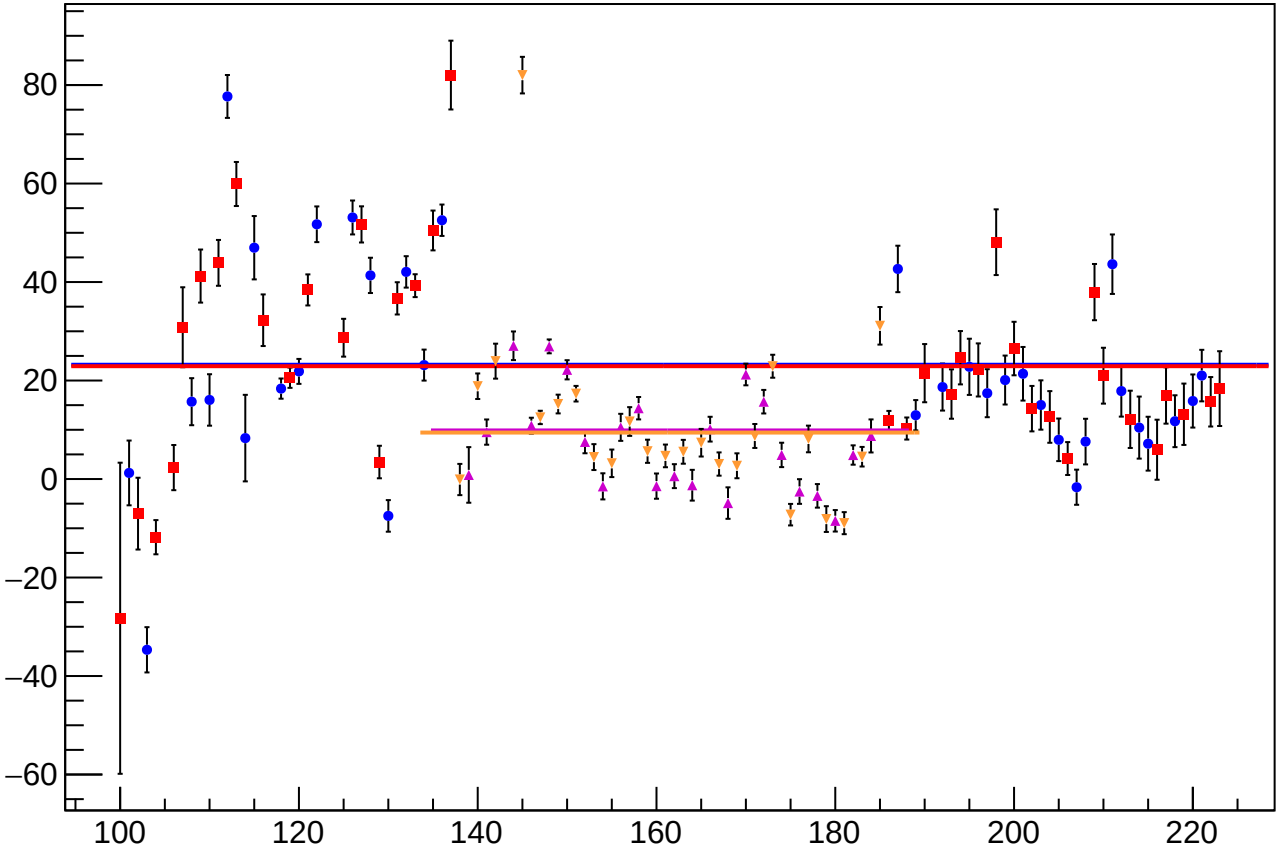
Right: -115.277+/-0.396 χ^2/NDF: 13258.5/70

In: -106.047+/-0.428 χ^2/NDF:8540.7/56

Out: -108.364+/-0.414 χ^2/NDF:11060.8/60

All: -107.244+/-0.297 χ^2/NDF: 19616.6/117

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

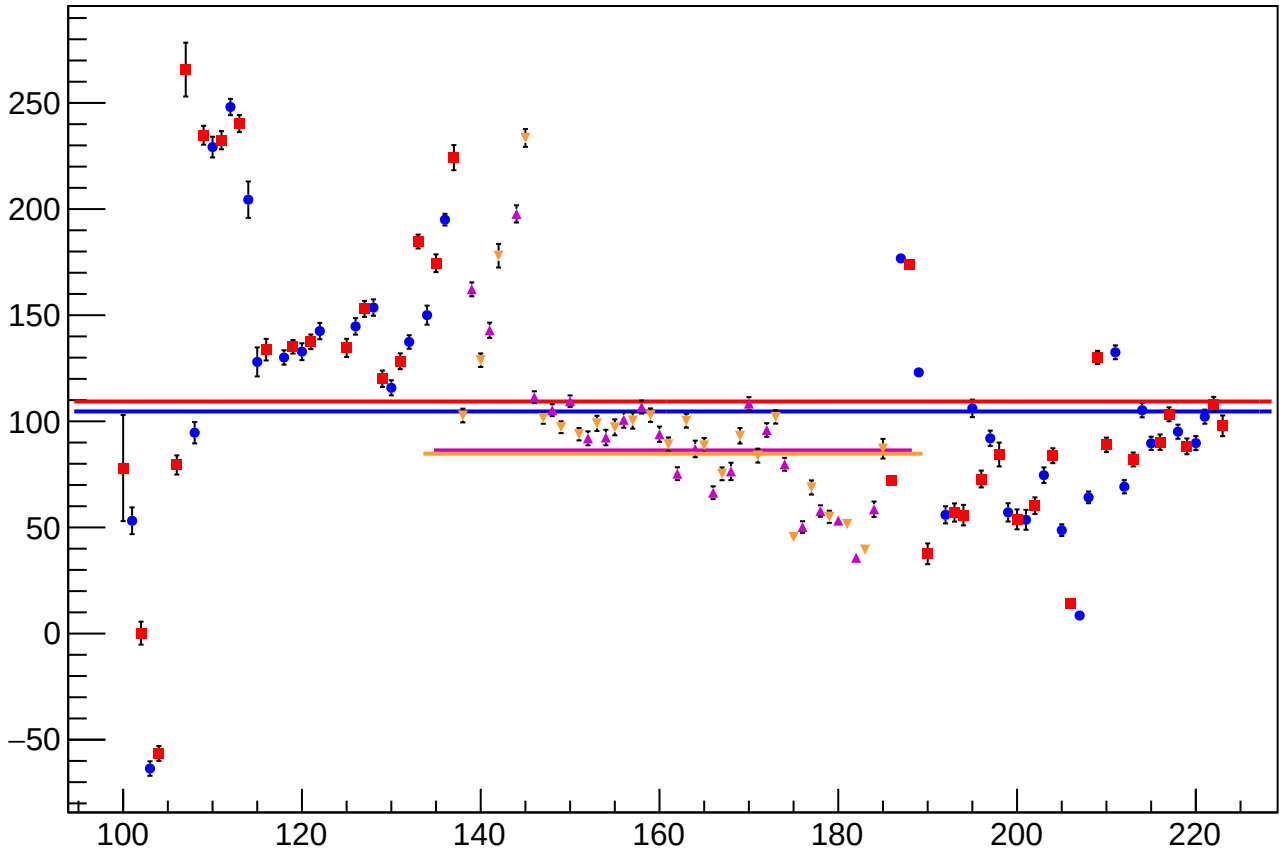
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.050+/-0.479 χ^2/NDF: 1559.4/70

In: 14.235+/-0.399 χ^2/NDF:1596.8/56

Out: 14.082+/-0.387 χ^2/NDF:1704.5/60

All: 14.156+/-0.278 χ^2/NDF: 3301.3/117



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

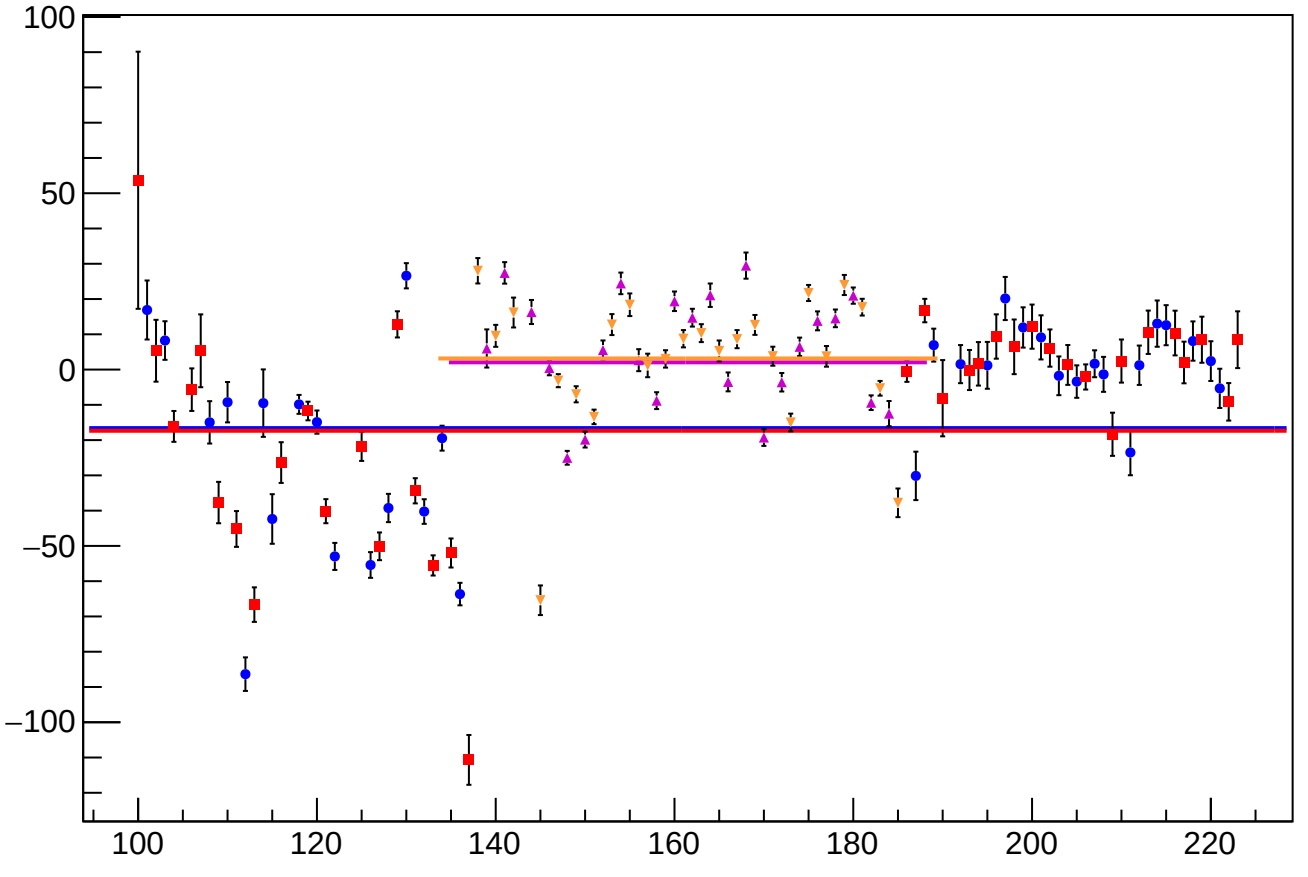
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 107.223+/-0.399 χ^2/NDF: 23941.1/70

In: 96.057+/-0.432 χ^2/NDF:14176.0/56

Out: 98.947+/-0.409 χ^2/NDF:17323.8/60

All: 97.582+/-0.297 χ^2/NDF: 31523.4/117



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

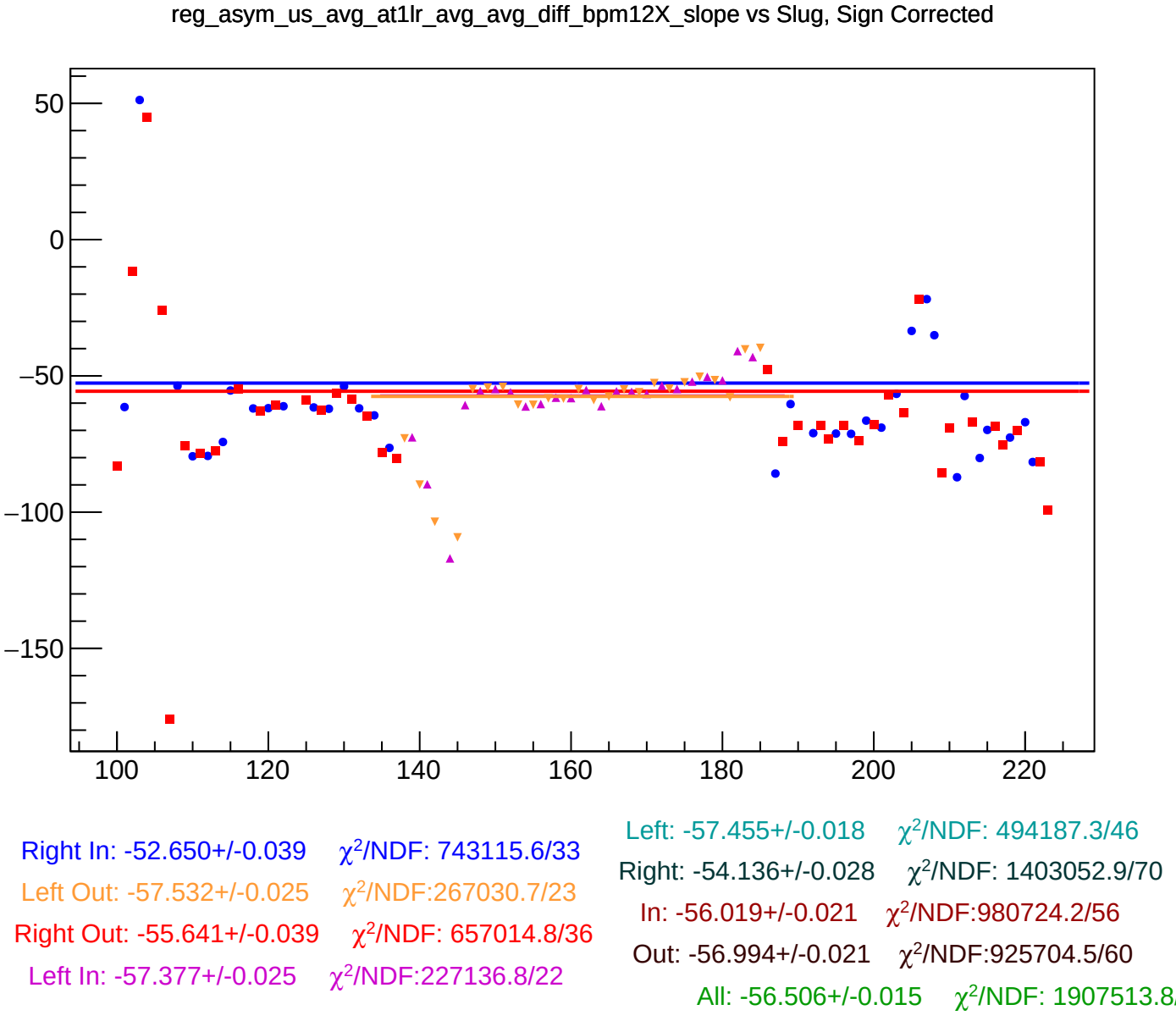
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -16.983+/-0.559 χ^2/NDF: 2328.1/70

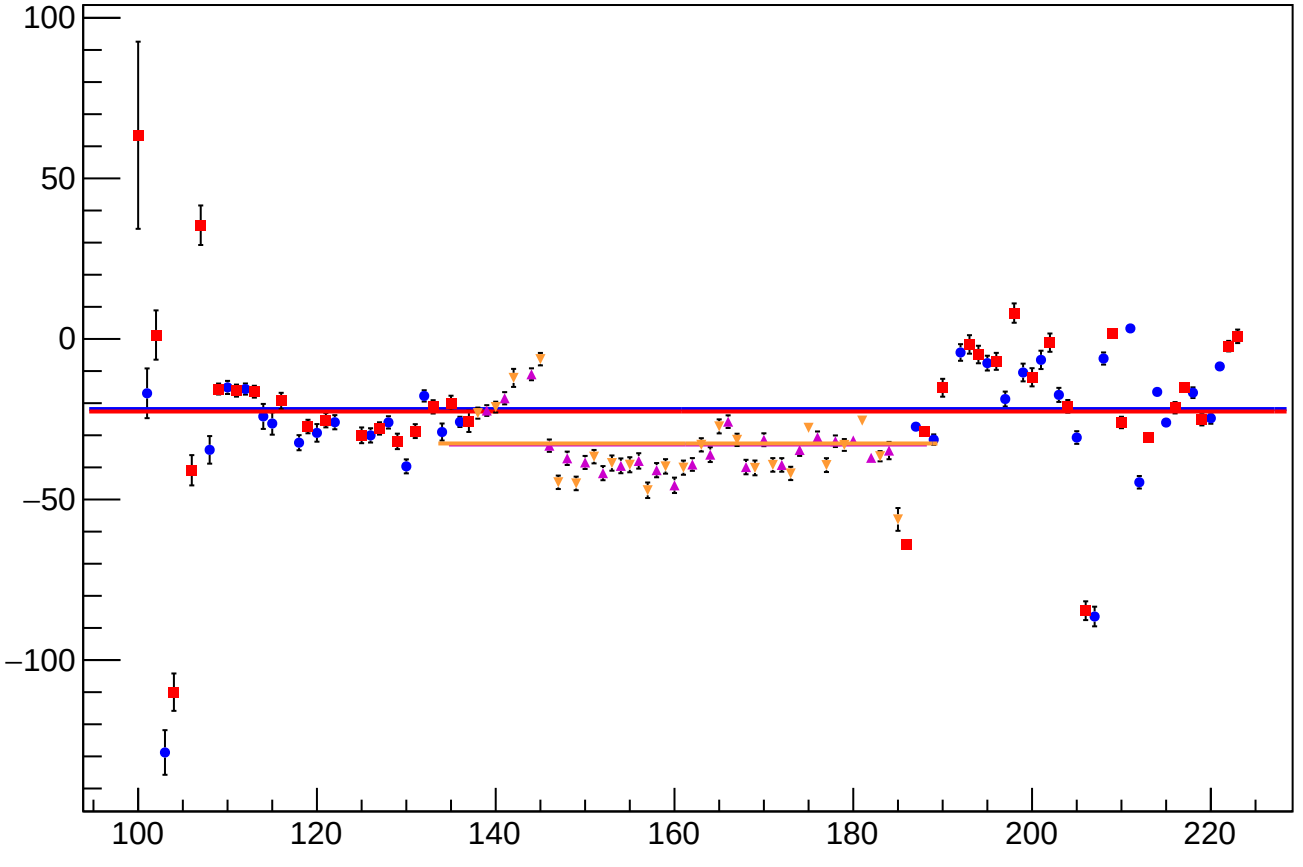
In: -3.944+/-0.454 χ^2/NDF:2405.2/56

Out: -3.534+/-0.446 χ^2/NDF:2418.9/60

All: -3.736+/-0.318 χ^2/NDF: 4824.5/117


reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -52.650+/-0.039 χ²/NDF: 743115.6/33
Left Out: -57.532+/-0.025 χ²/NDF:267030.7/23
Right Out: -55.641+/-0.039 χ²/NDF: 657014.8/36
Left In: -57.377+/-0.025 χ²/NDF:227136.8/22
Left: -57.455+/-0.018 χ²/NDF: 494187.3/46
Right: -54.136+/-0.028 χ²/NDF: 1403052.9/70
In: -56.019+/-0.021 χ²/NDF:980724.2/56
Out: -56.994+/-0.021 χ²/NDF:925704.5/60
All: -56.506+/-0.015 χ²/NDF: 1907513.8/117

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

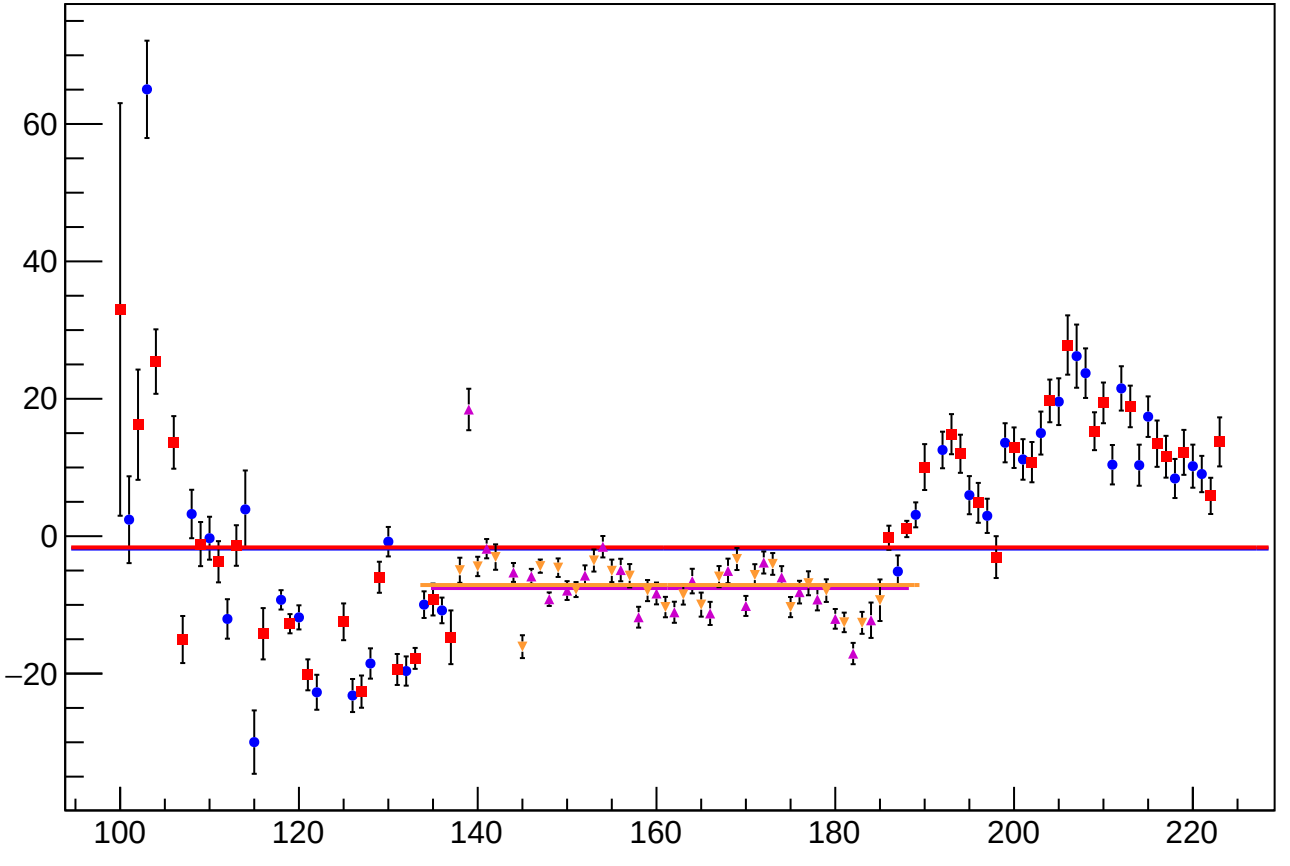
Right: -22.232+/-0.242 χ^2/NDF: 4360.2/70

In: -26.477+/-0.267 χ^2/NDF:2428.9/56

Out: -26.599+/-0.258 χ^2/NDF:3680.7/60

All: -26.540+/-0.185 χ^2/NDF: 6109.7/117

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

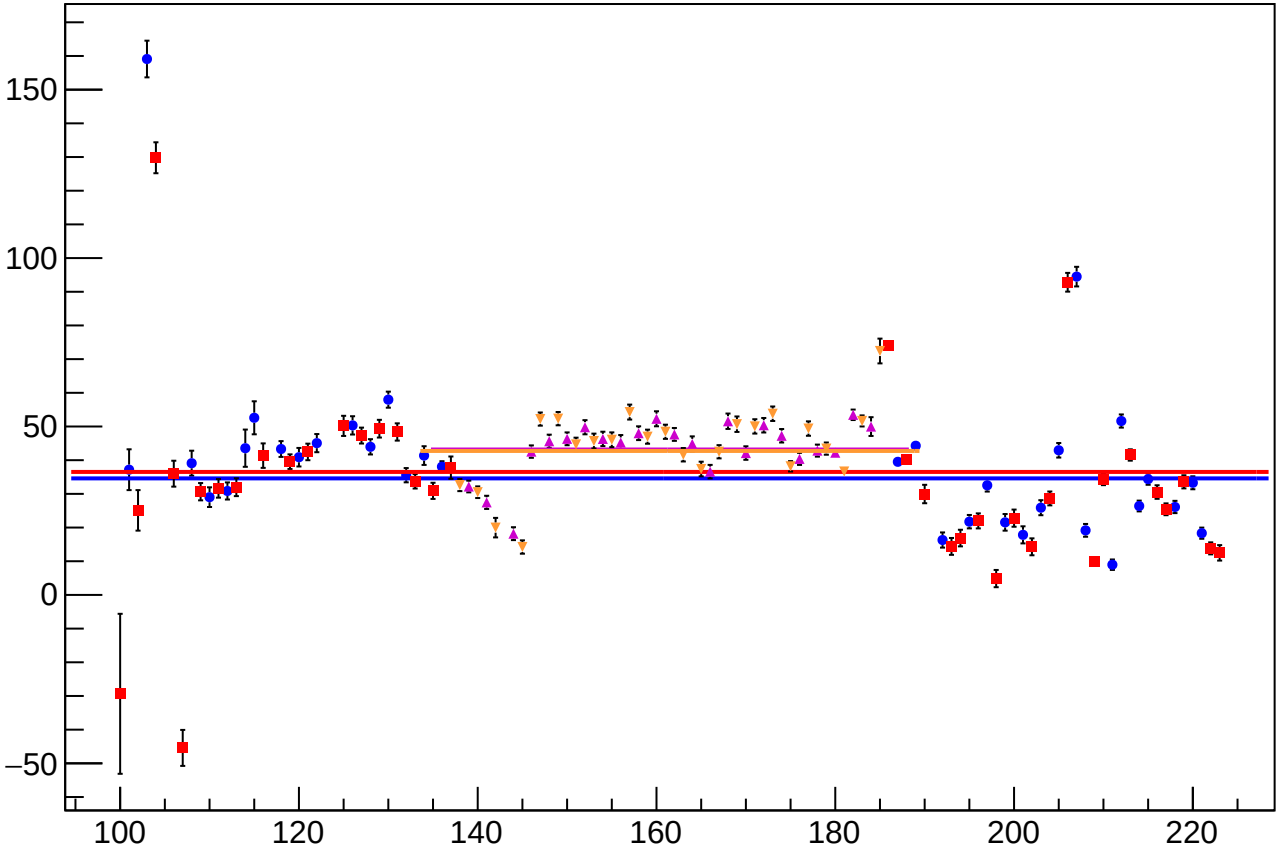
Right: -1.714+/-0.307 χ^2/NDF: 1888.8/70

In: -5.626+/-0.257 χ^2/NDF:1257.2/56

Out: -5.207+/-0.250 χ^2/NDF:1160.9/60

All: -5.411+/-0.179 χ^2/NDF: 2419.4/117

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

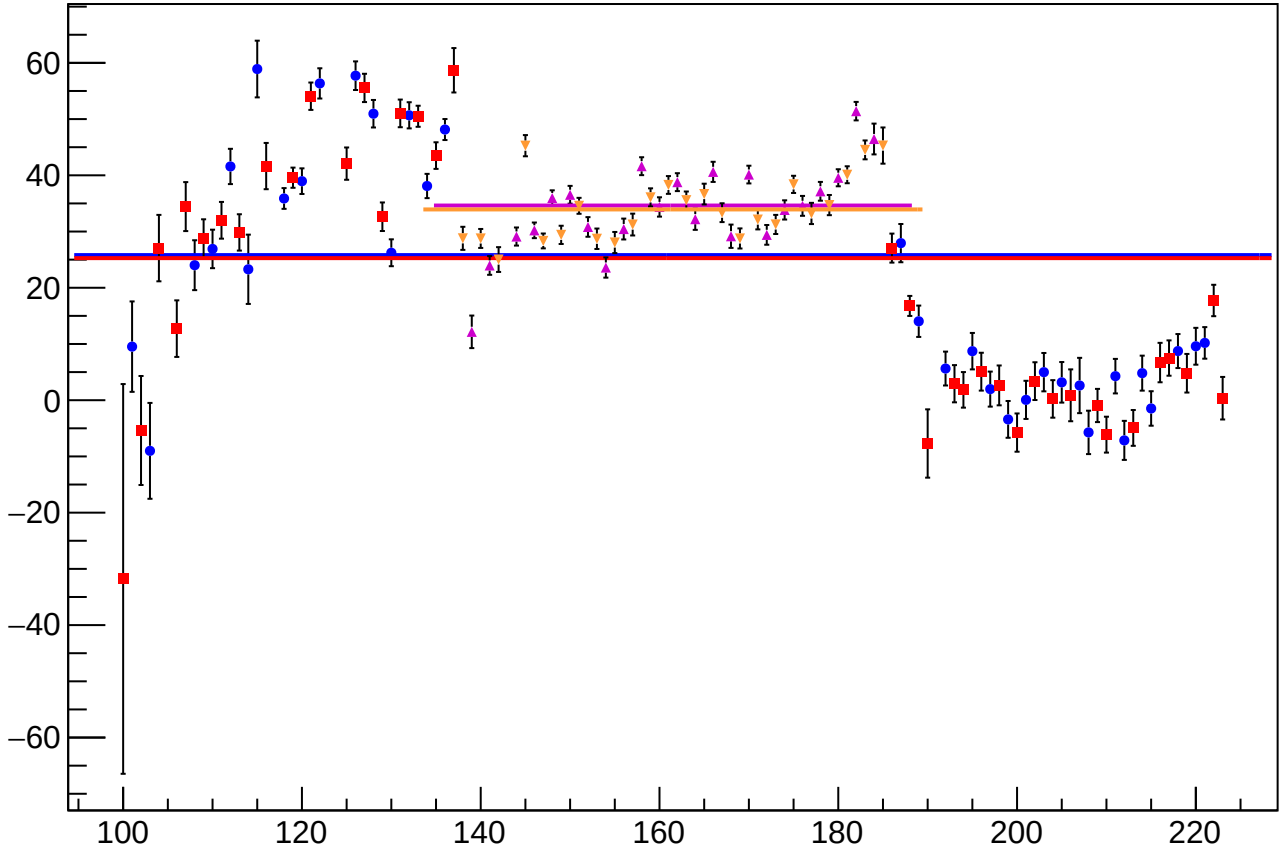
Right: 35.631+/-0.245 χ^2/NDF: 5452.4/70

In: 38.368+/-0.270 χ^2/NDF:2661.8/56

Out: 39.041+/-0.257 χ^2/NDF:4210.1/60

All: 38.722+/-0.186 χ^2/NDF: 6875.2/117

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

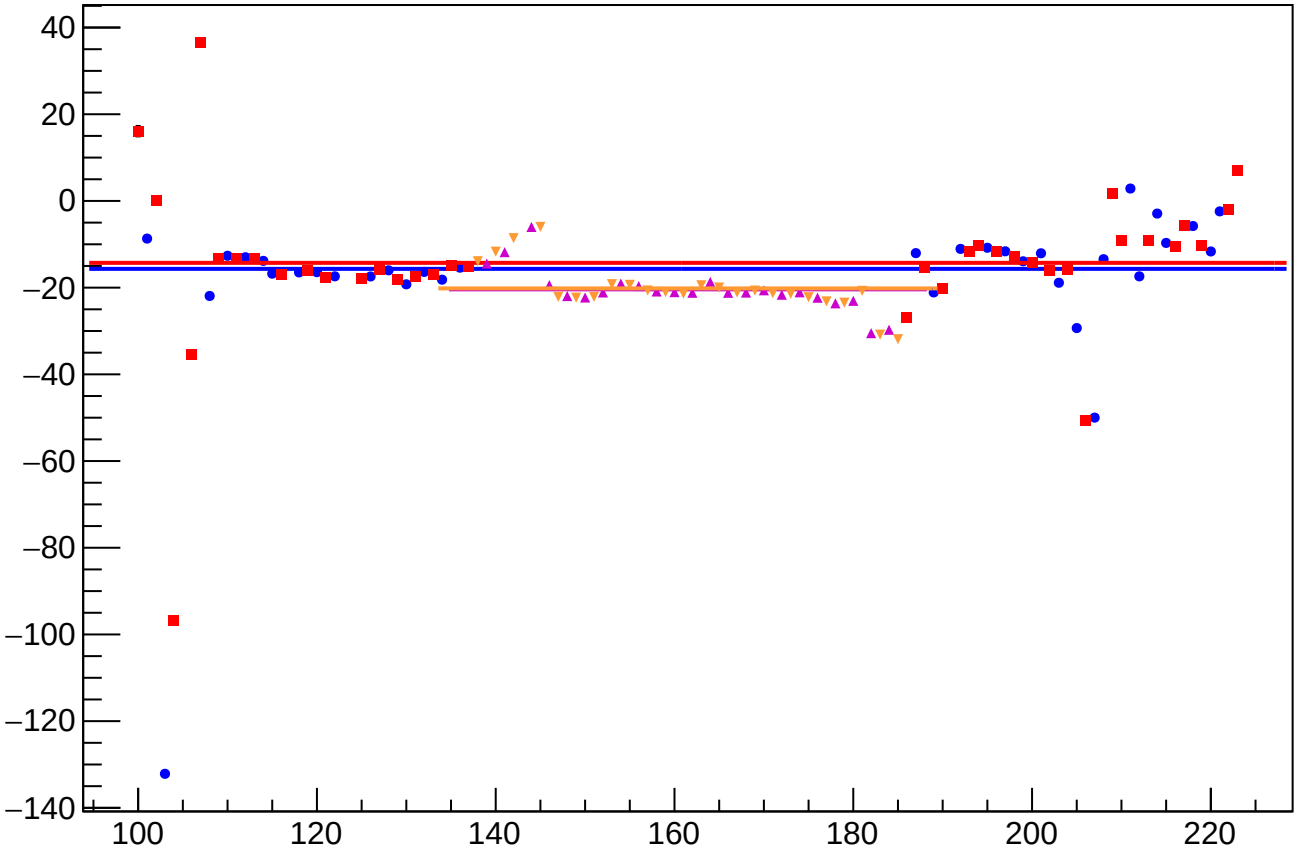
Right: 25.533+/-0.357 χ^2/NDF: 3348.8/70

In: 31.734+/-0.292 χ^2/NDF:2214.1/56

Out: 31.068+/-0.287 χ^2/NDF:2128.9/60

All: 31.395+/-0.205 χ^2/NDF: 4345.7/117

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

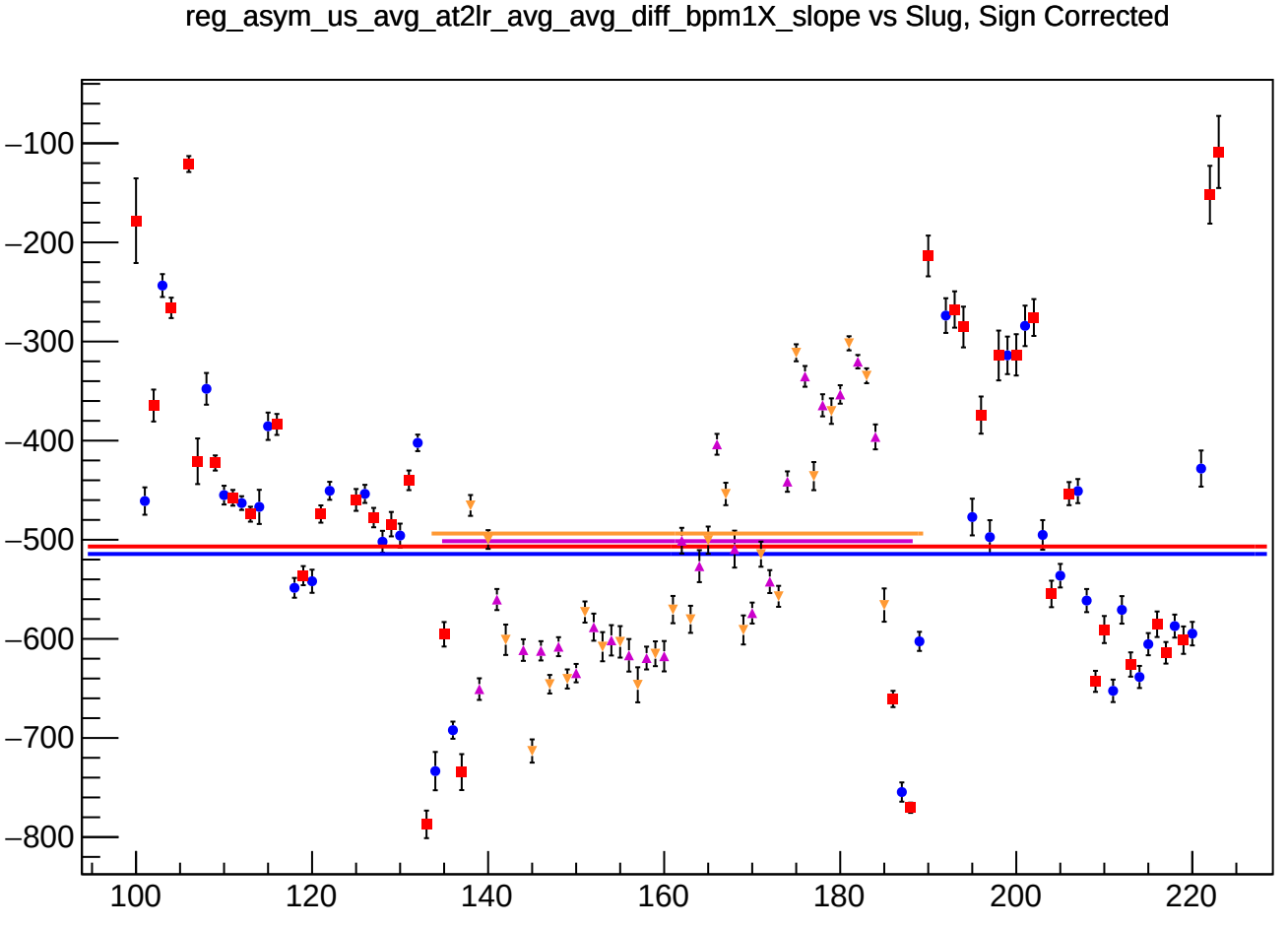
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -14.967+/-0.018 χ^2/NDF: 636751.1/70

In: -19.054+/-0.013 χ^2/NDF:449339.9/56

Out: -18.473+/-0.013 χ^2/NDF:432714.2/60

All: -18.763+/-0.009 χ^2/NDF: 883003.4/117



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

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

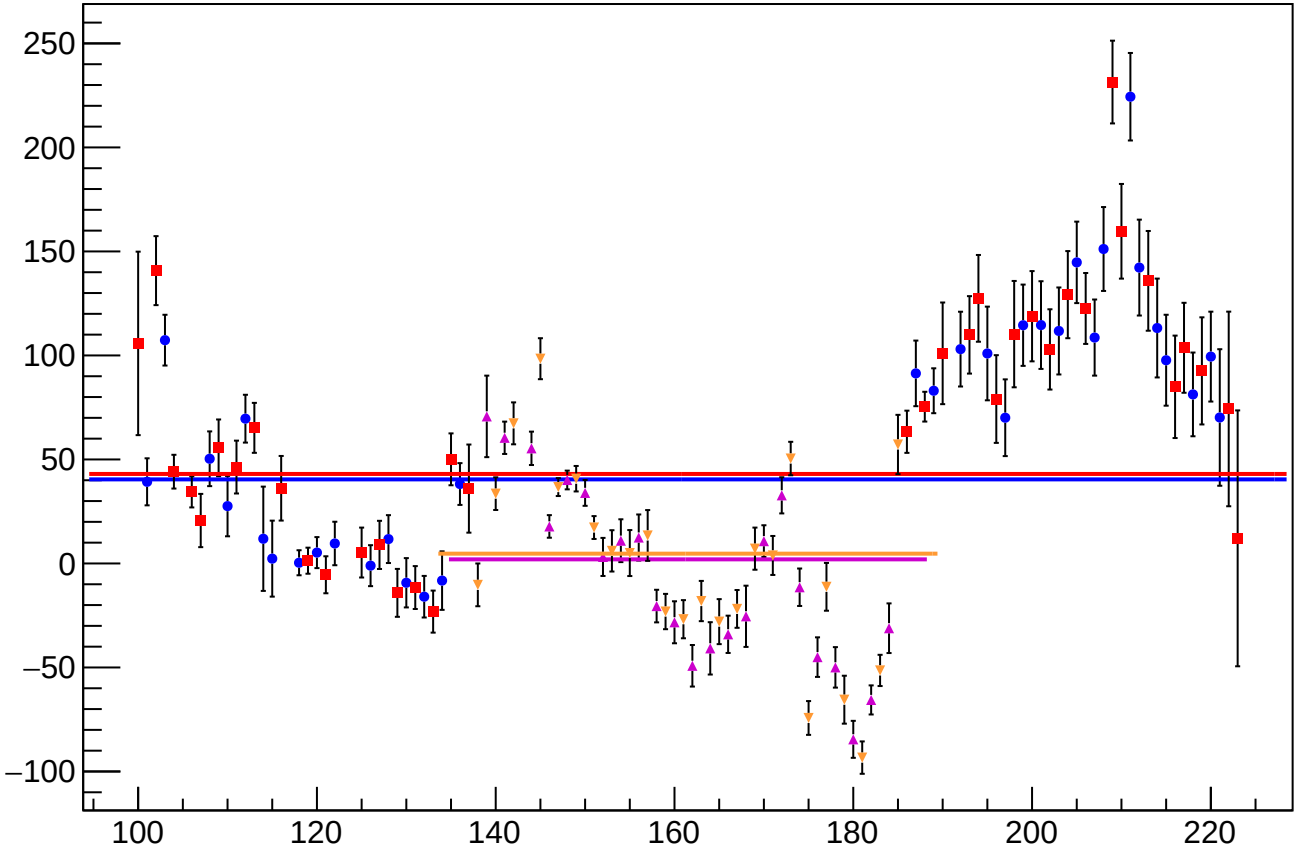
Right: -510.327+/-1.358 χ^2/NDF: 11956.2/70

In: -508.840+/-1.507 χ^2/NDF:6055.8/56

Out: -501.633+/-1.444 χ^2/NDF:11769.7/60

All: -505.082+/-1.042 χ^2/NDF: 17837.4/117

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

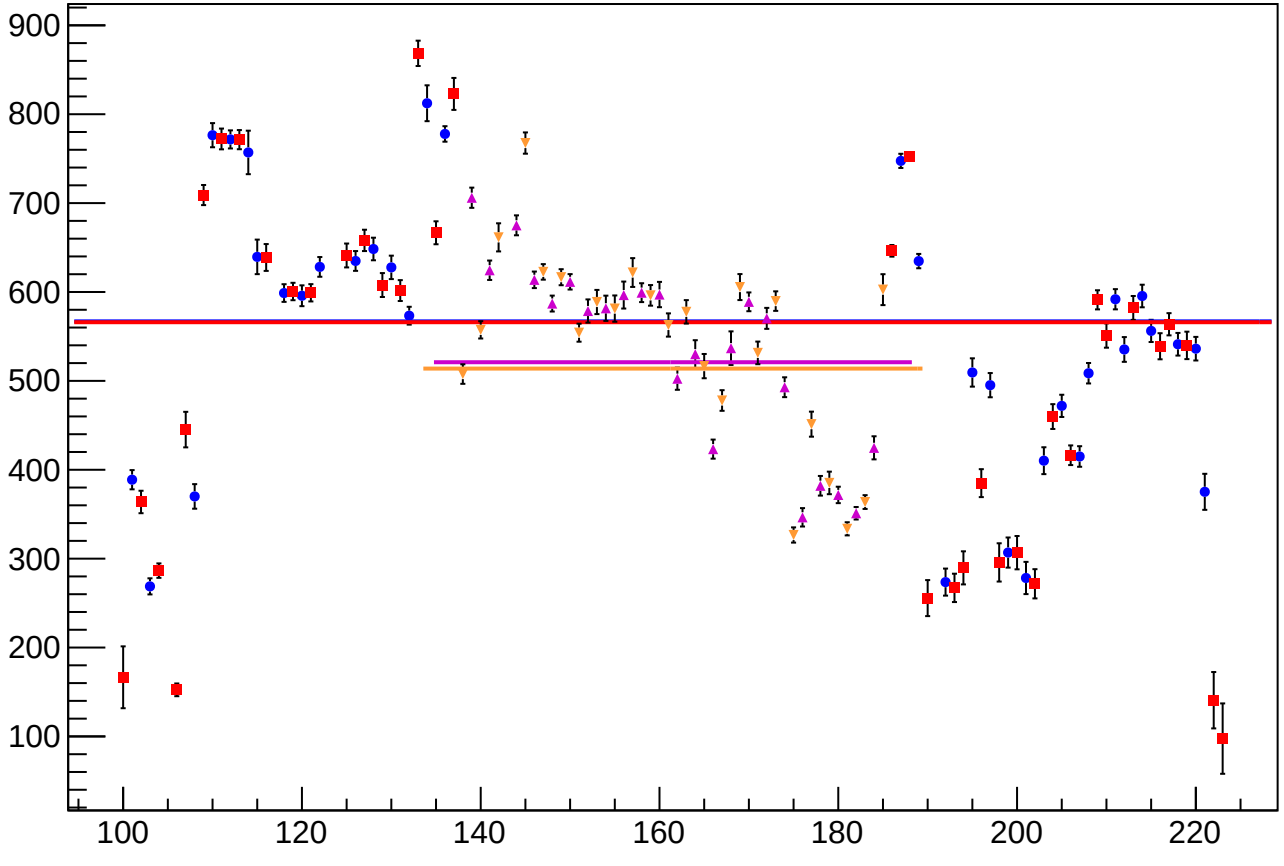
Right: 41.803+/-1.566 χ^2/NDF: 998.7/70

In: 15.885+/-1.375 χ^2/NDF:1228.9/56

Out: 19.416+/-1.331 χ^2/NDF:1386.6/60

All: 17.708+/-0.957 χ^2/NDF: 2618.9/117

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

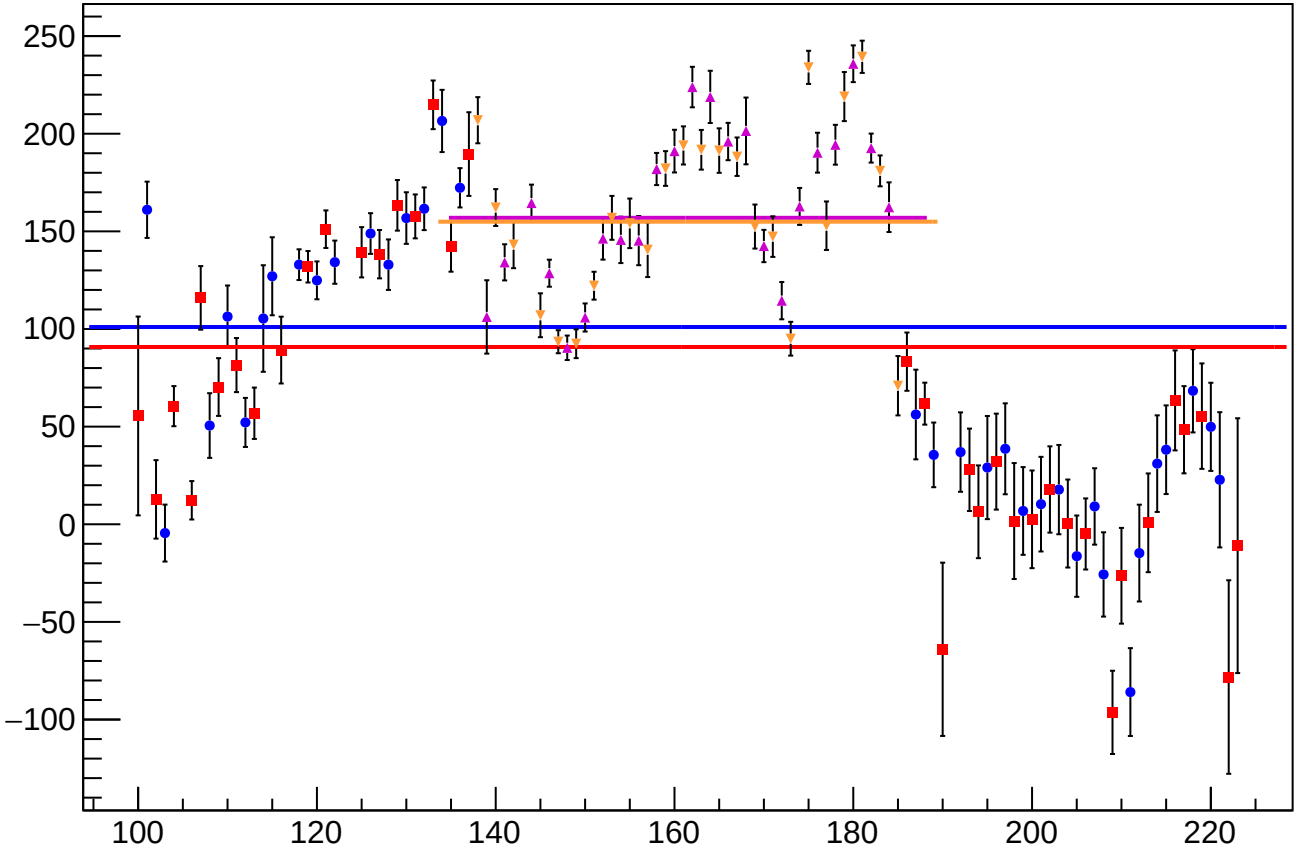
Right: 566.425+/-1.388 χ^2/NDF: 16121.2/70

In: 546.209+/-1.534 χ^2/NDF:7782.8/56

Out: 544.982+/-1.445 χ^2/NDF:14052.3/60

All: 545.559+/-1.052 χ^2/NDF: 21835.5/117

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

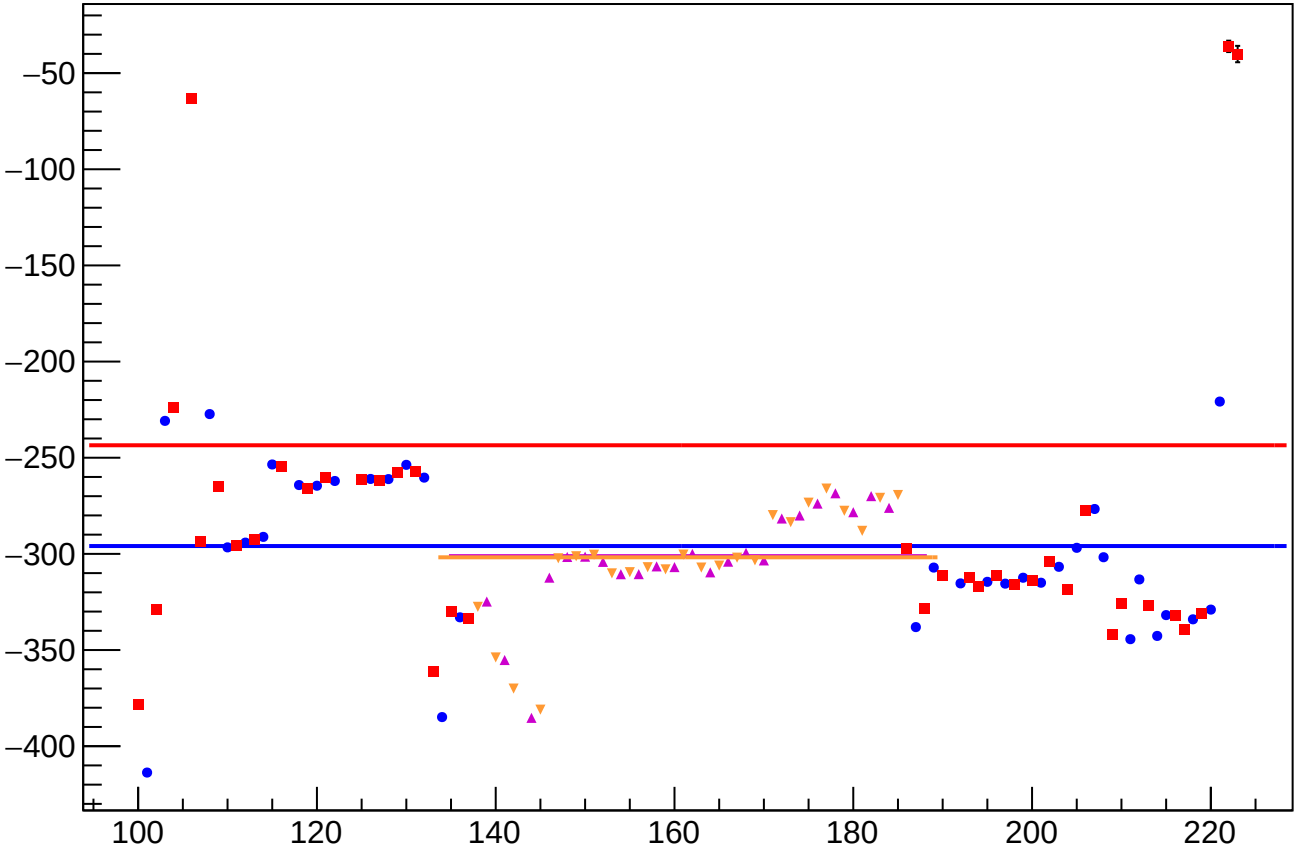
Right: 95.697+/-1.843 χ^2/NDF: 1254.4/70

In: 137.098+/-1.583 χ^2/NDF:1322.2/56

Out: 131.302+/-1.552 χ^2/NDF:1659.8/60

All: 134.142+/-1.108 χ^2/NDF: 2988.8/117

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

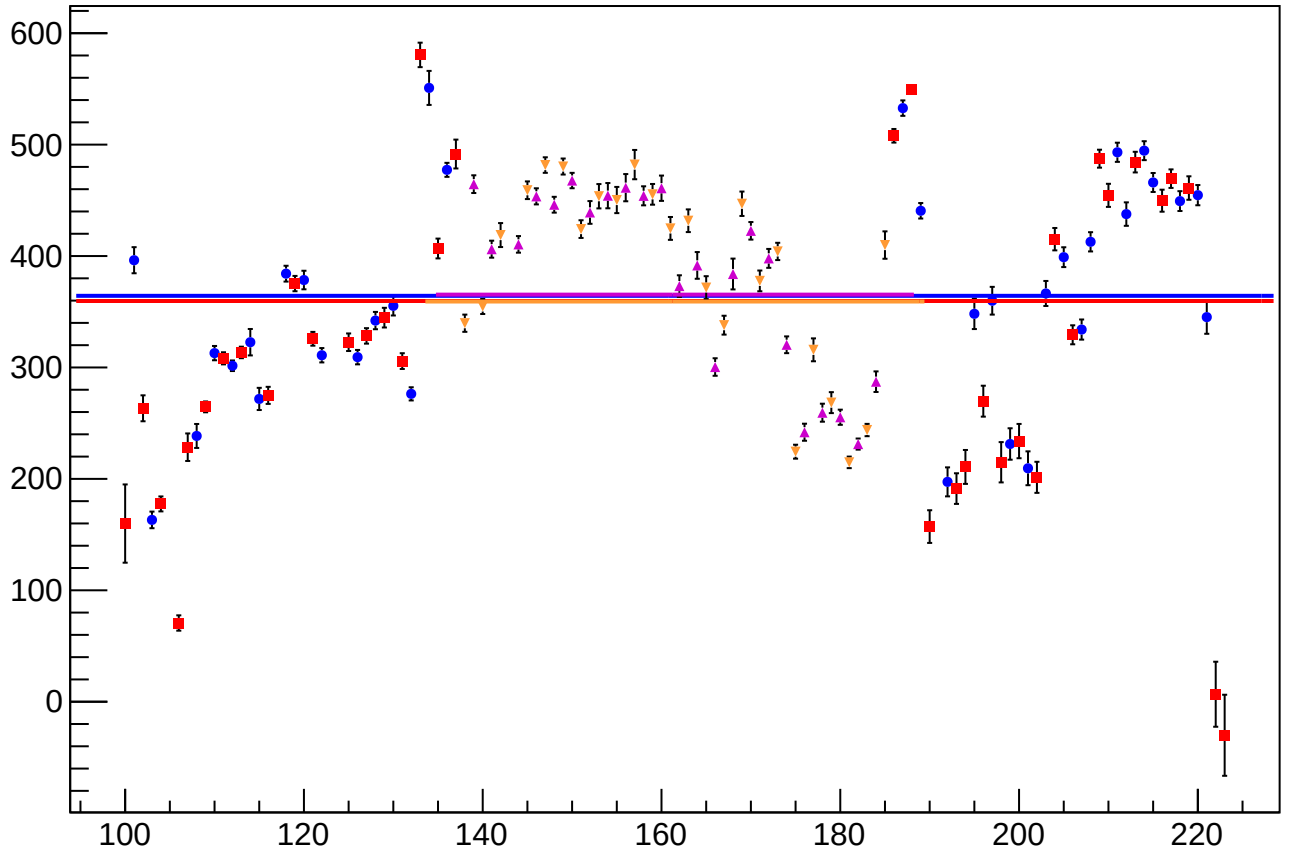
Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

Right: -266.637+/-0.090 χ^2/NDF: 927451.0/70

In: -299.575+/-0.075 χ^2/NDF:197653.3/56

Out: -280.750+/-0.073 χ^2/NDF:958535.1/60

All: -289.846+/-0.052 χ^2/NDF: 1188698.1/11



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

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

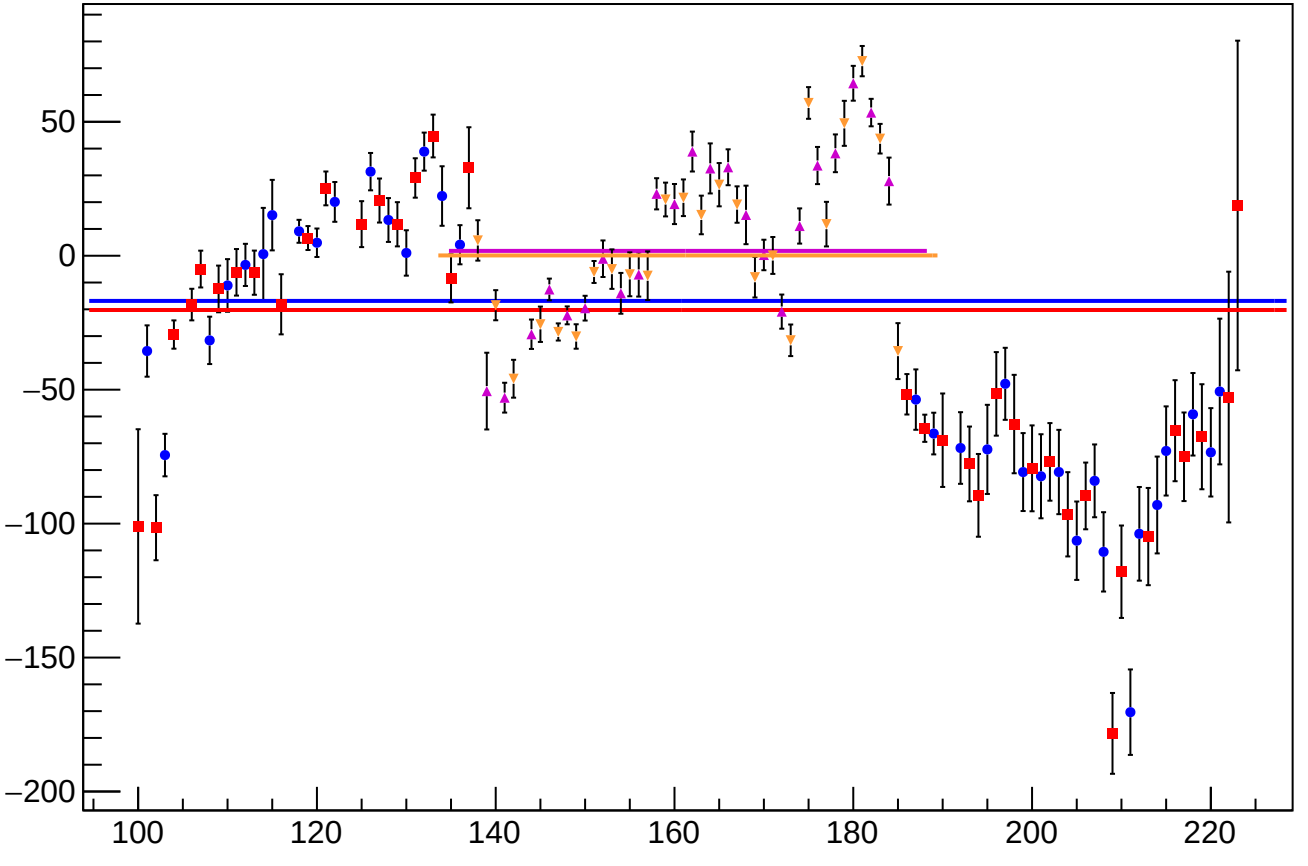
Right: 361.806+/-0.978 χ^2/NDF: 13298.2/70

In: 364.747+/-1.095 χ^2/NDF:6775.0/56

Out: 359.473+/-1.045 χ^2/NDF:12445.2/60

All: 361.986+/-0.756 χ^2/NDF: 19232.4/117

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

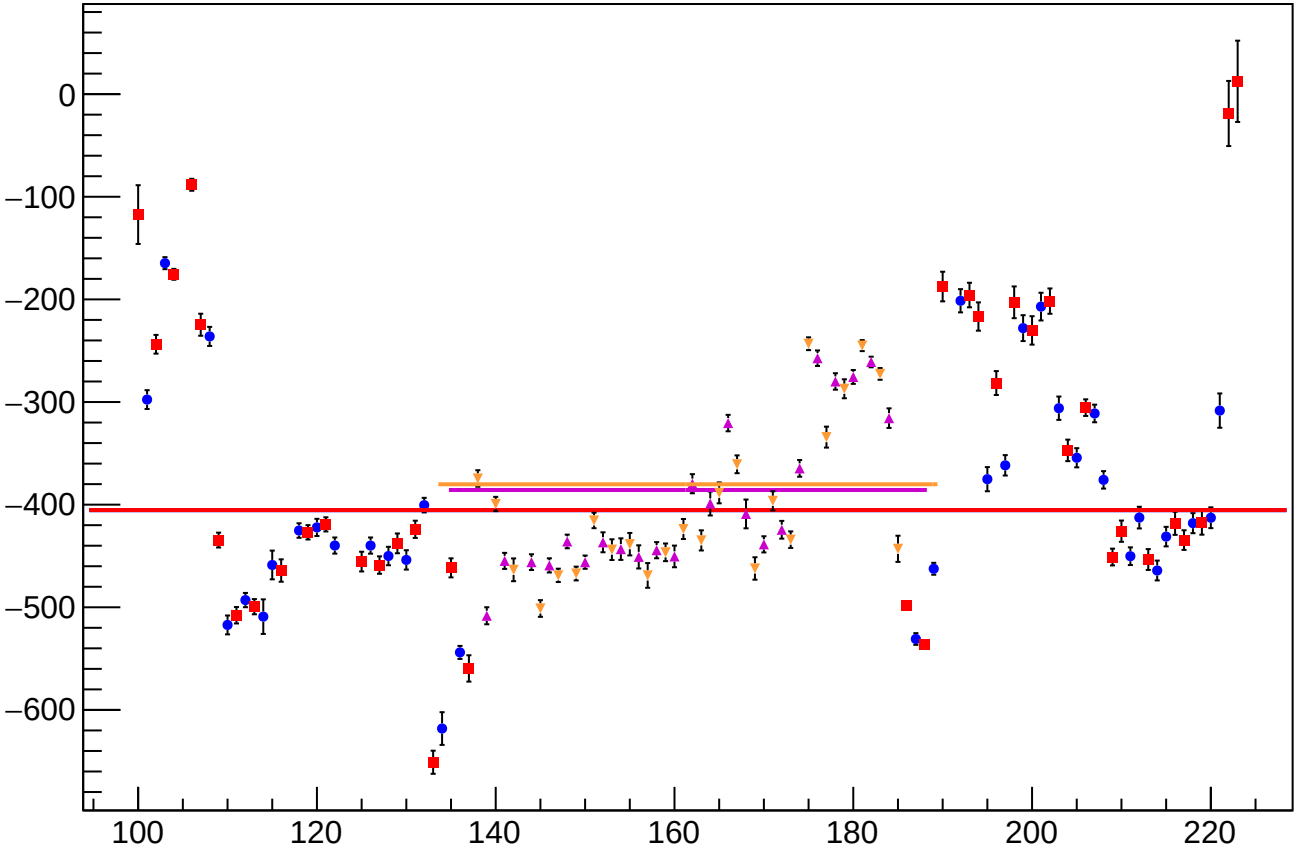
Right: -18.682+/-1.120 χ^2/NDF: 1453.4/70

In: -5.134+/-1.004 χ^2/NDF:1360.5/56

Out: -8.018+/-0.966 χ^2/NDF:1492.9/60

All: -6.631+/-0.696 χ^2/NDF: 2857.7/117

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

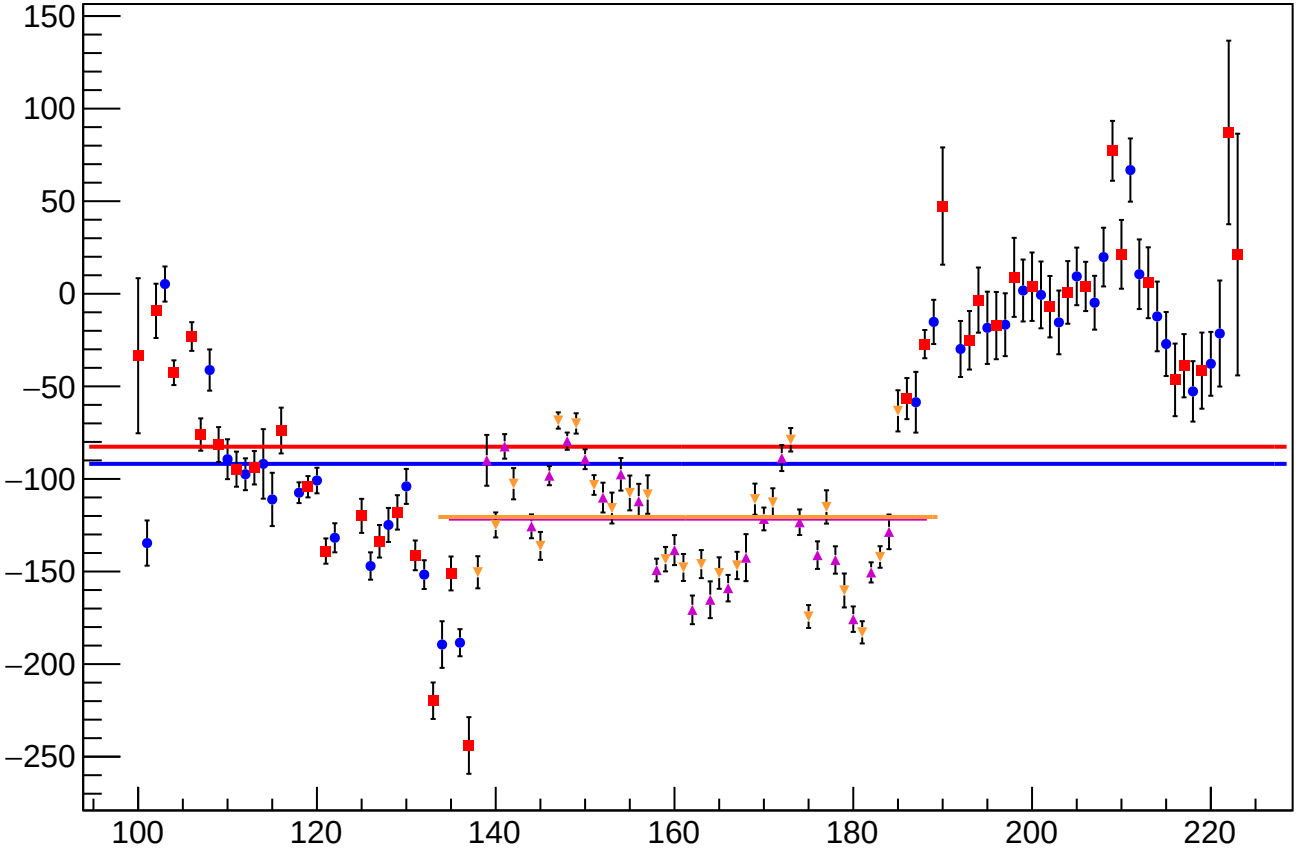
Right: -405.334+/-1.003 χ^2/NDF: 15960.9/70

In: -396.665+/-1.118 χ^2/NDF:7412.6/56

Out: -395.351+/-1.049 χ^2/NDF:13741.8/60

All: -395.967+/-0.765 χ^2/NDF: 21155.1/117

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

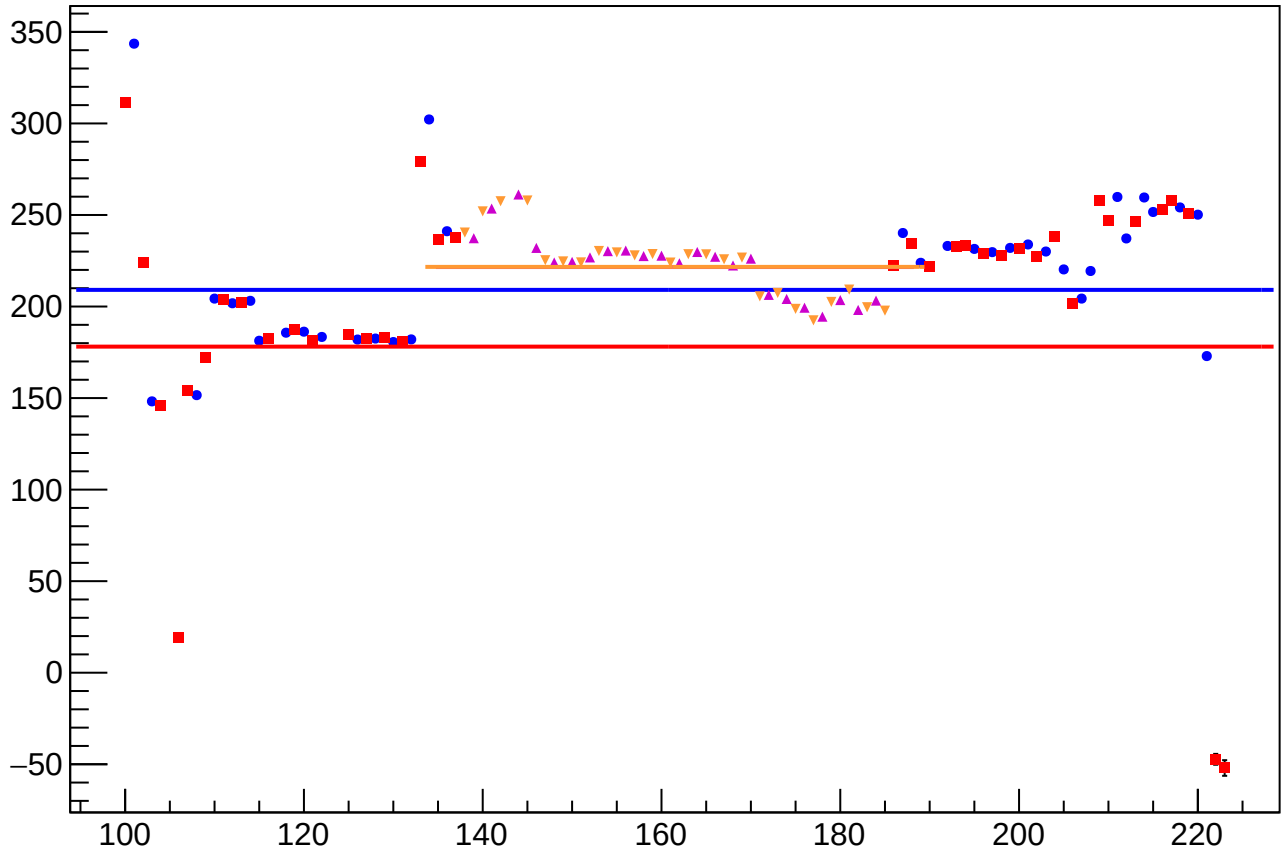
Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

Right: -86.994+/-1.320 χ^2/NDF: 2137.0/70

In: -110.677+/-1.156 χ^2/NDF:1593.7/56

Out: -105.997+/-1.127 χ^2/NDF:1994.8/60

All: -108.278+/-0.807 χ^2/NDF: 3596.9/117



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

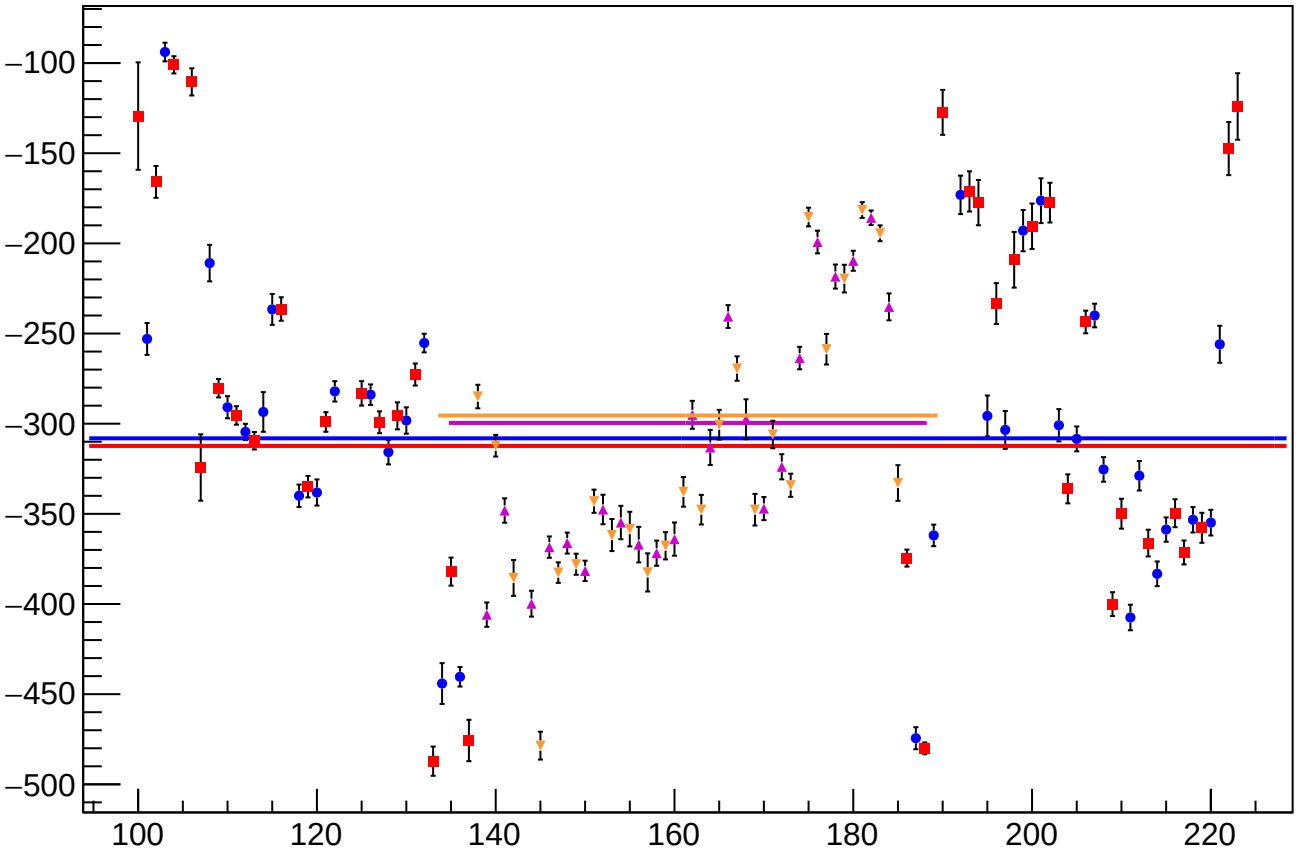
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 192.232+/-0.066 χ^2/NDF: 969168.6/70

In: 217.647+/-0.055 χ^2/NDF:289819.9/56

Out: 206.092+/-0.053 χ^2/NDF:917511.3/60

All: 211.725+/-0.038 χ^2/NDF: 1230111.6/117



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

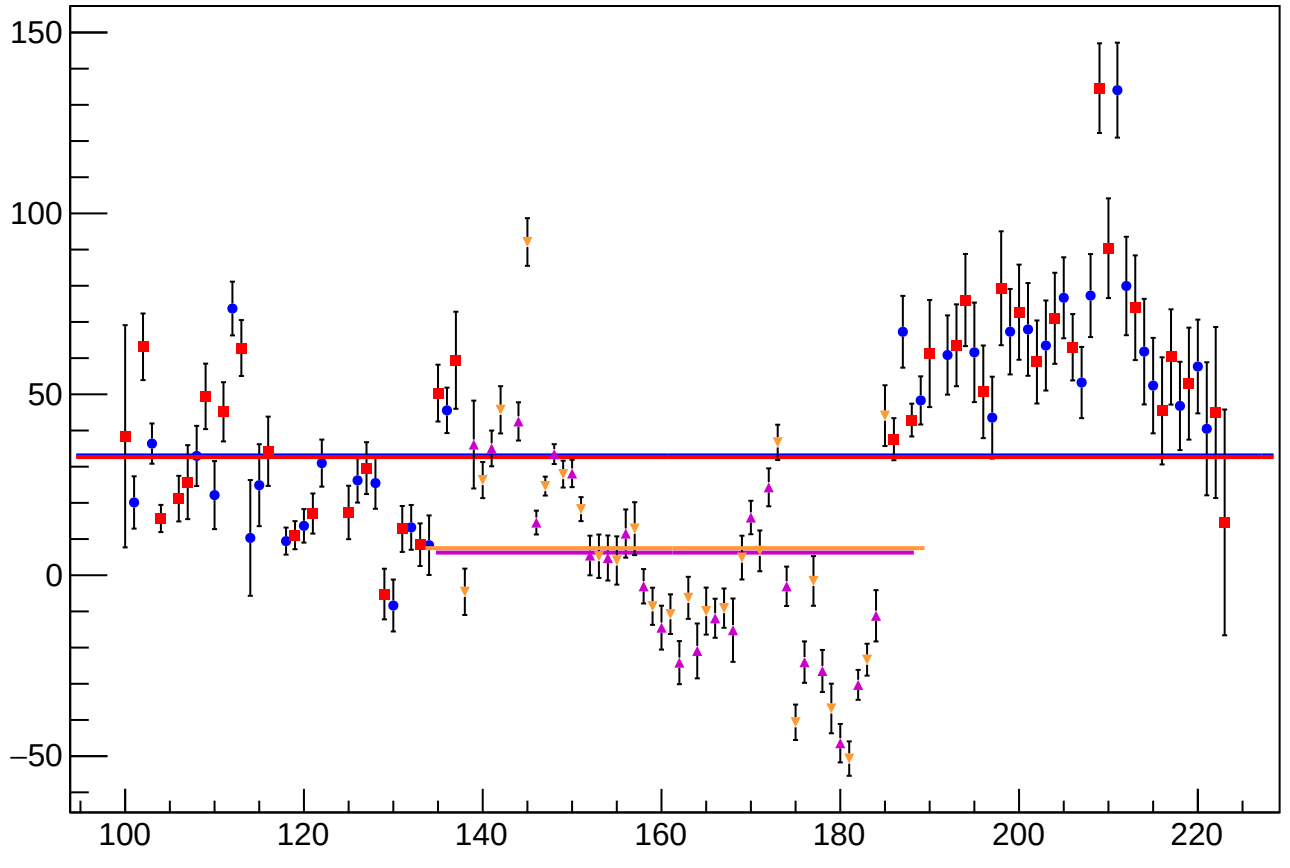
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -310.329+/-0.832 χ^2/NDF: 13044.3/70

In: -304.467+/-0.913 χ^2/NDF:7658.0/56

Out: -305.508+/-0.886 χ^2/NDF:11806.6/60

All: -305.003+/-0.636 χ^2/NDF: 19465.2/117



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

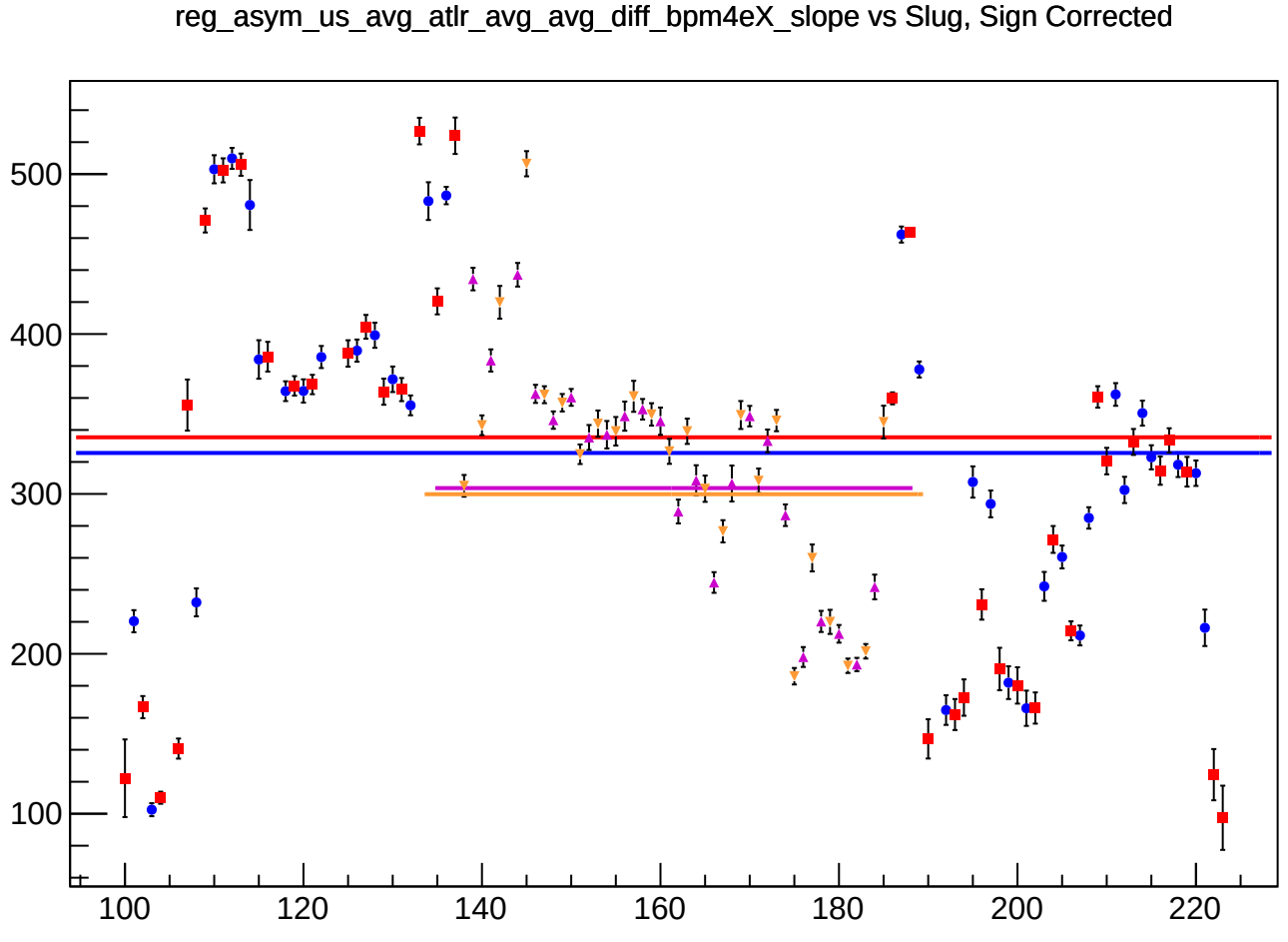
Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

Right: 32.872+/-0.955 χ^2/NDF: 660.7/70

In: 15.959+/-0.835 χ^2/NDF:1119.0/56

Out: 17.049+/-0.811 χ^2/NDF:1305.2/60

All: 16.520+/-0.582 χ^2/NDF: 2425.0/117



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

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

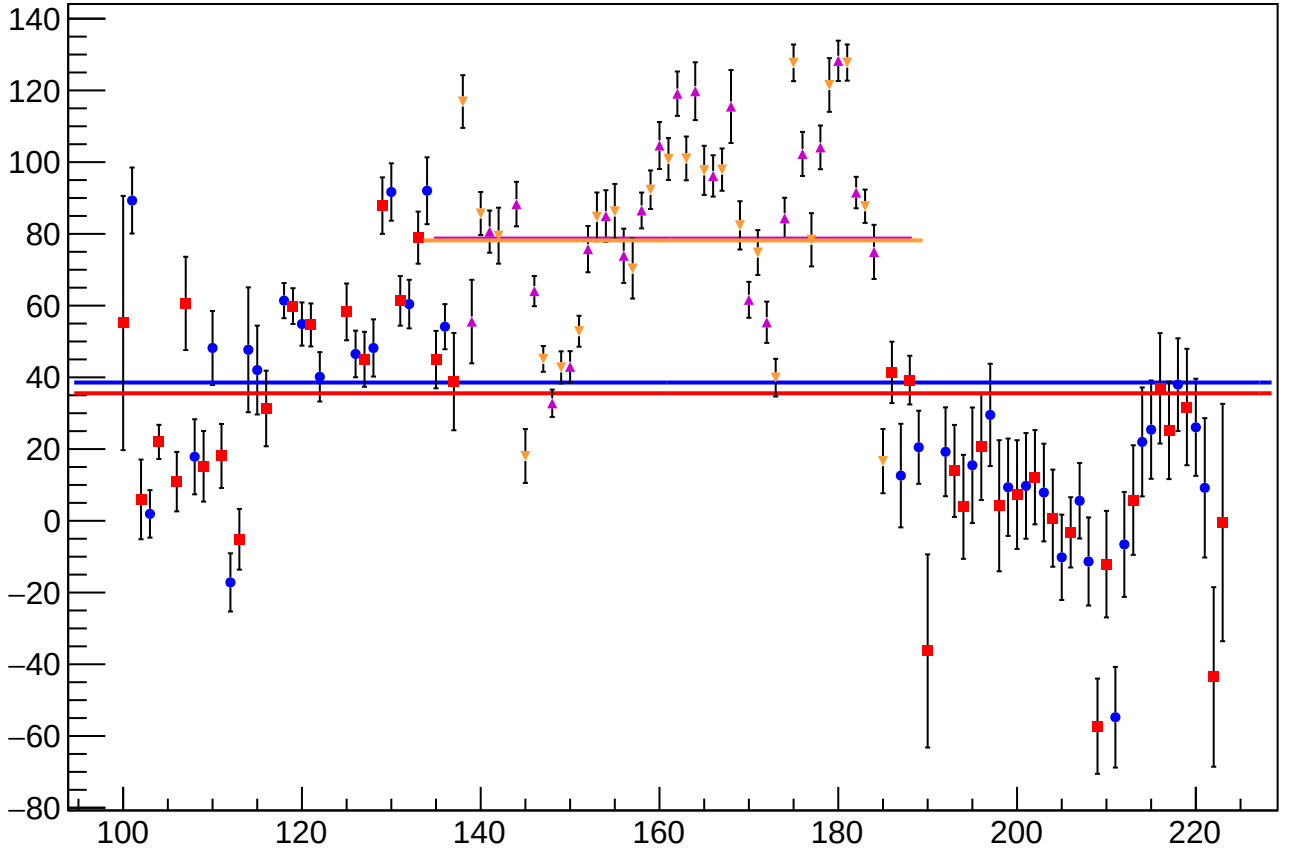
Right: 330.912+/-0.840 χ^2/NDF: 20876.8/70

In: 315.820+/-0.923 χ^2/NDF:11367.9/56

Out: 320.947+/-0.880 χ^2/NDF:15957.7/60

All: 318.505+/-0.637 χ^2/NDF: 27341.8/117

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

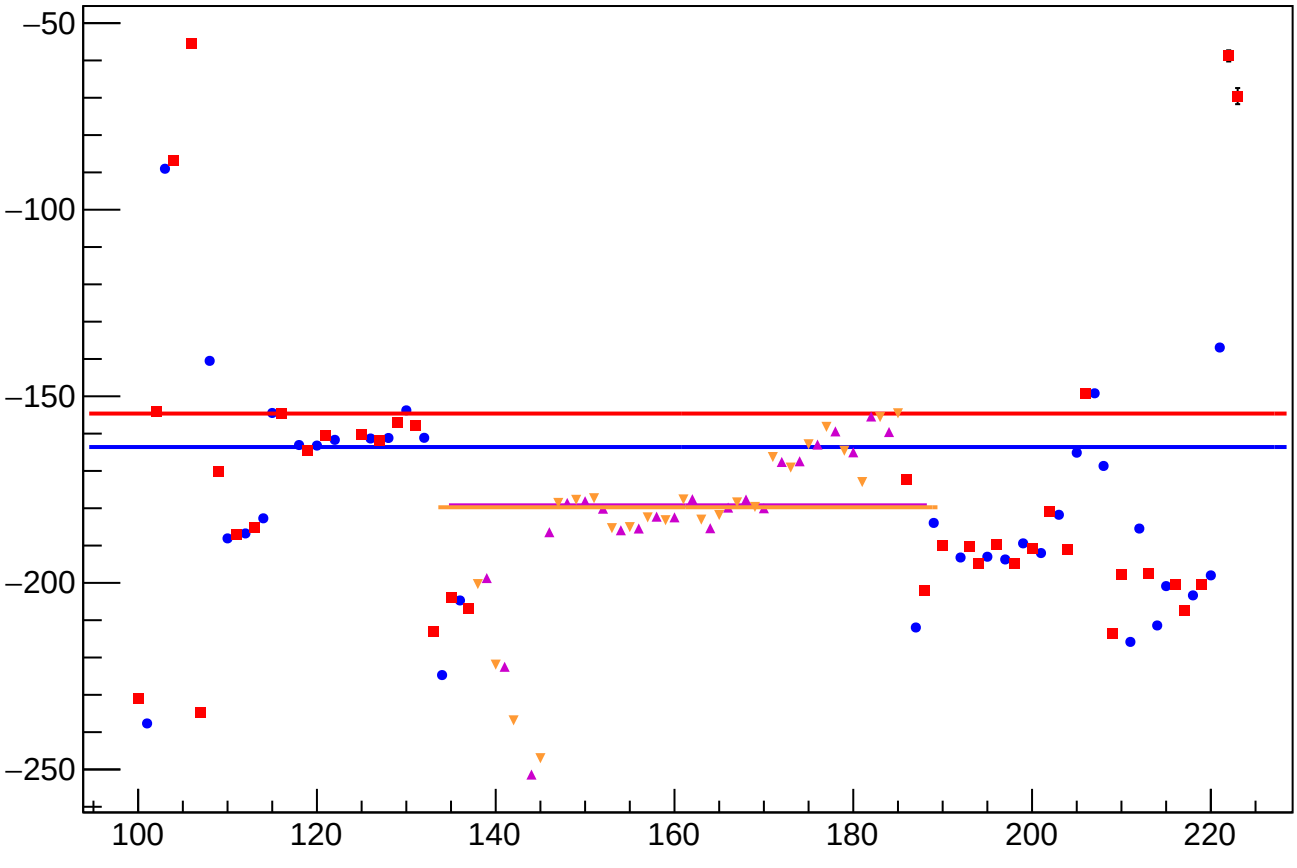
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.010+/-1.123 χ^2/NDF: 689.0/70

In: 64.489+/-0.960 χ^2/NDF:1253.6/56

Out: 62.642+/-0.944 χ^2/NDF:1456.8/60

All: 63.550+/-0.673 χ^2/NDF: 2712.2/117



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

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

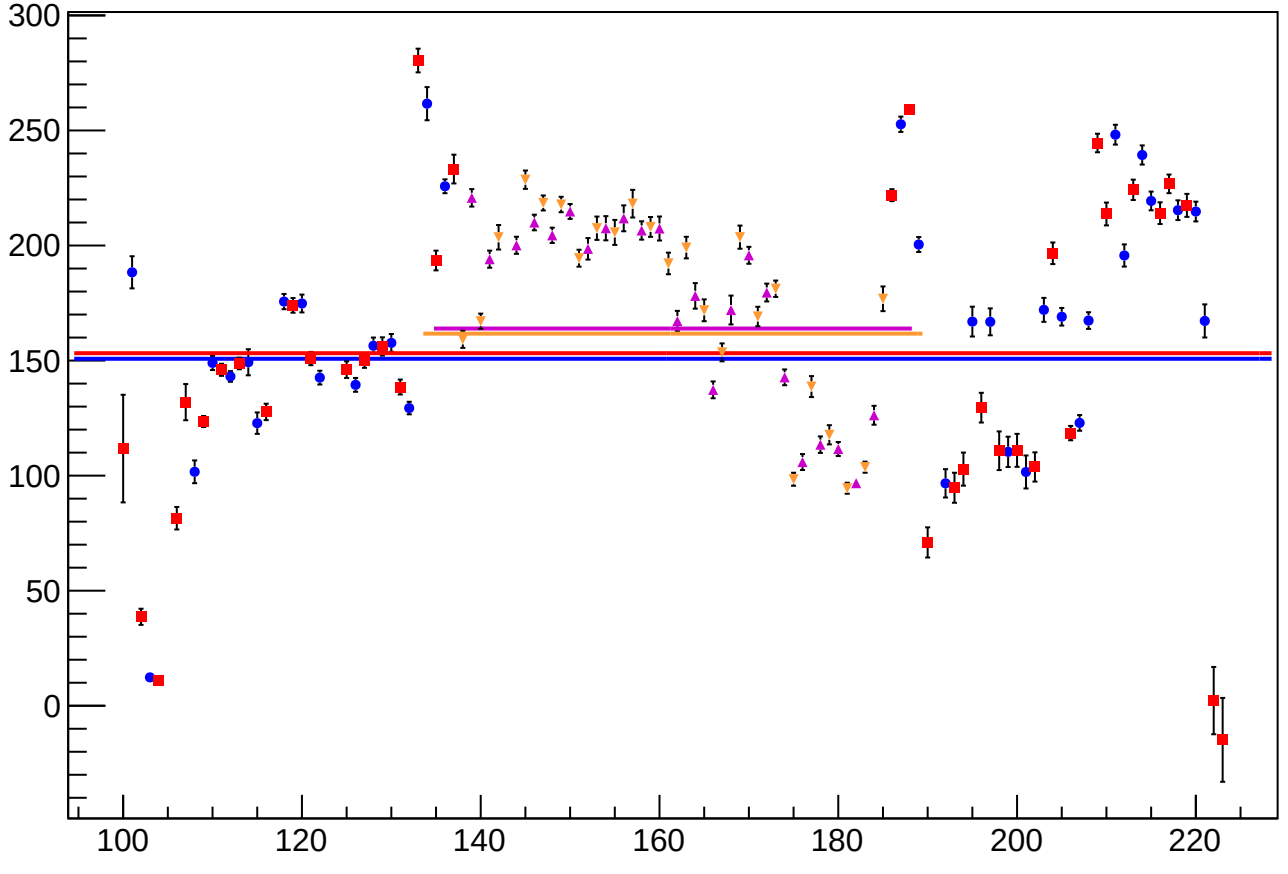
Right: -158.979+/-0.055 χ^2/NDF: 781819.6/70

In: -174.146+/-0.045 χ^2/NDF:464677.1/56

Out: -171.156+/-0.045 χ^2/NDF:654079.1/60

All: -172.645+/-0.032 χ^2/NDF: 1120992.8/11

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

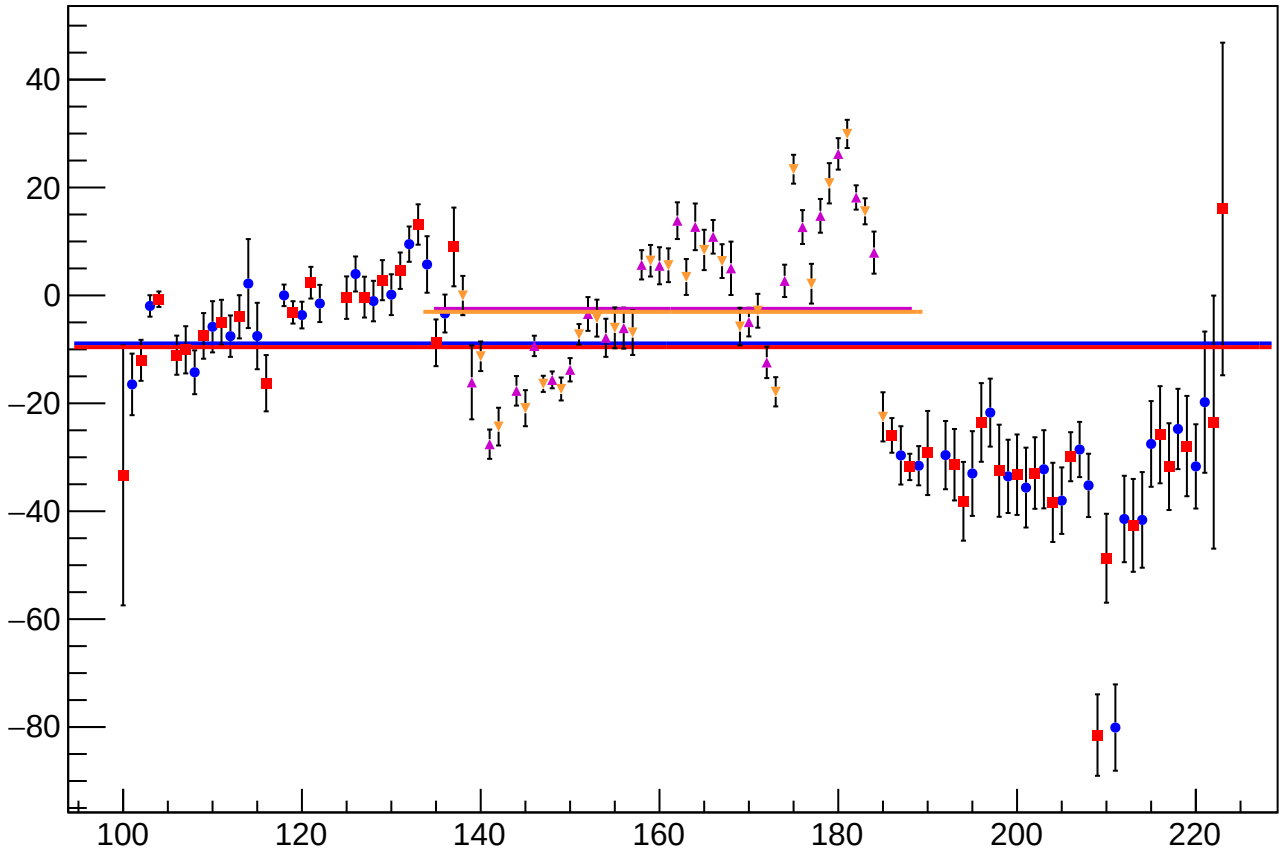
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 152.066+/-0.439 χ^2/NDF: 25516.2/70

In: 156.082+/-0.495 χ^2/NDF:13782.8/56

Out: 156.412+/-0.477 χ^2/NDF:18893.1/60

All: 156.253+/-0.343 χ^2/NDF: 32676.2/117



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

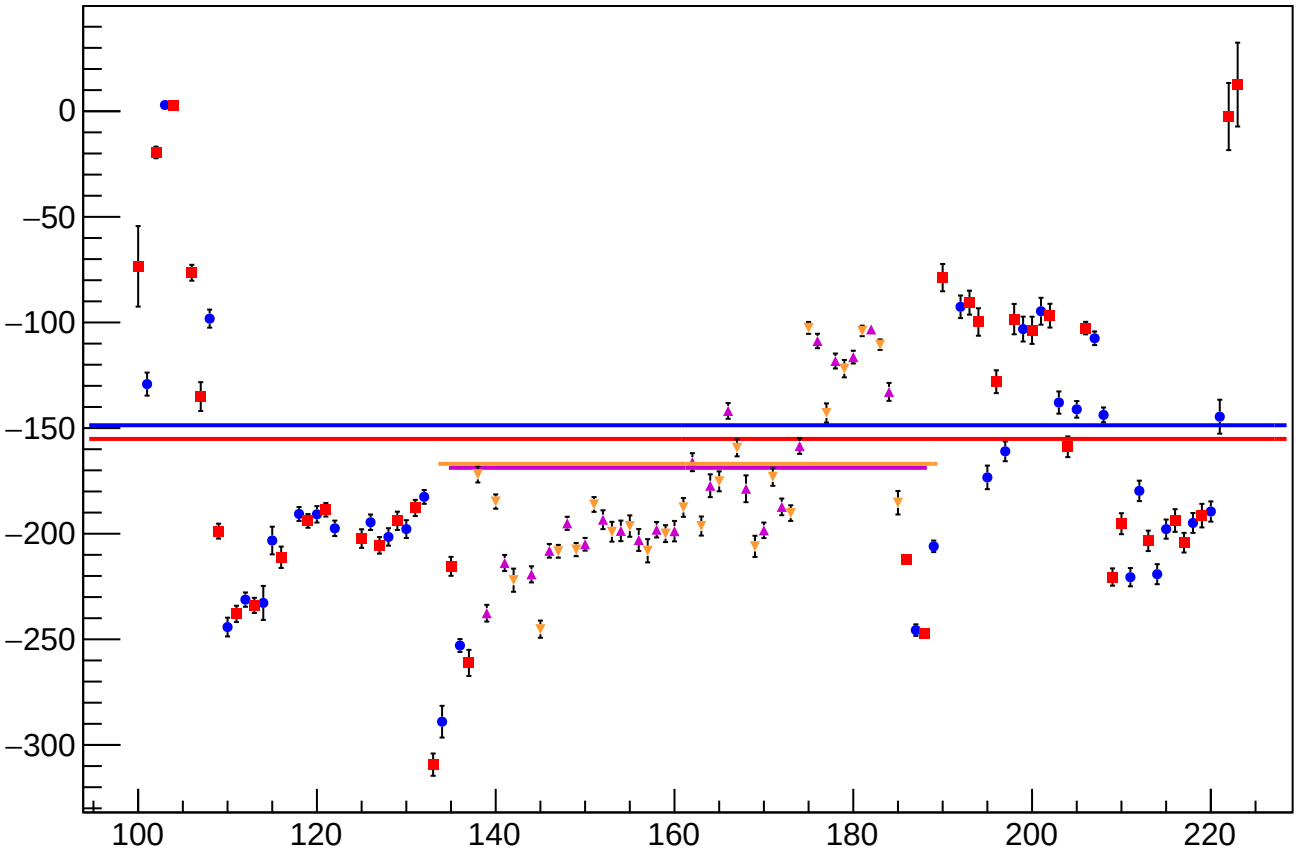
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -9.278+/-0.493 χ^2/NDF: 924.0/70

In: -5.004+/-0.458 χ^2/NDF:1024.7/56

Out: -5.842+/-0.437 χ^2/NDF:1217.9/60

All: -5.442+/-0.316 χ^2/NDF: 2244.3/117



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

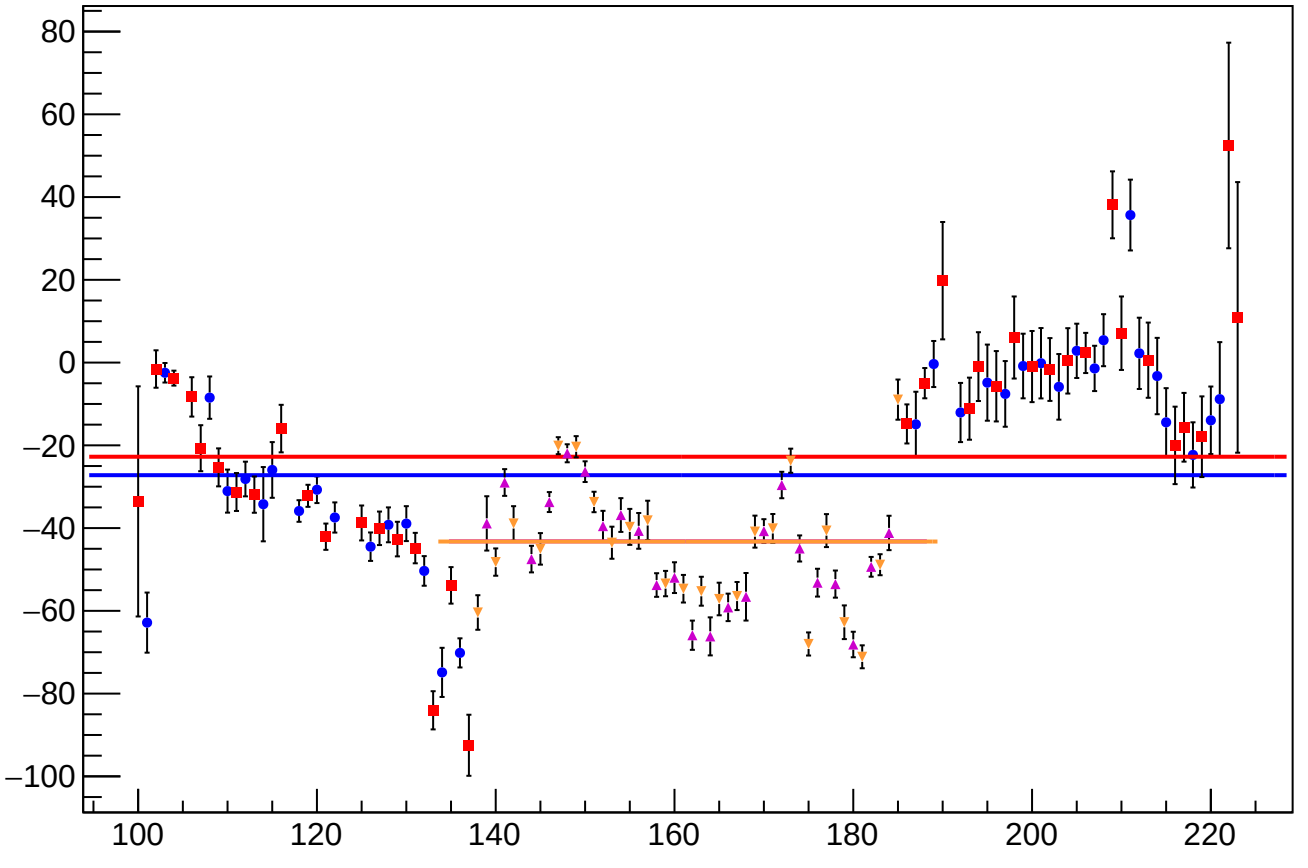
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -152.164+/-0.436 χ^2/NDF: 43085.0/70

In: -156.939+/-0.495 χ^2/NDF:21627.1/56

Out: -159.497+/-0.470 χ^2/NDF:28107.3/60

All: -158.286+/-0.341 χ^2/NDF: 49748.4/117



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

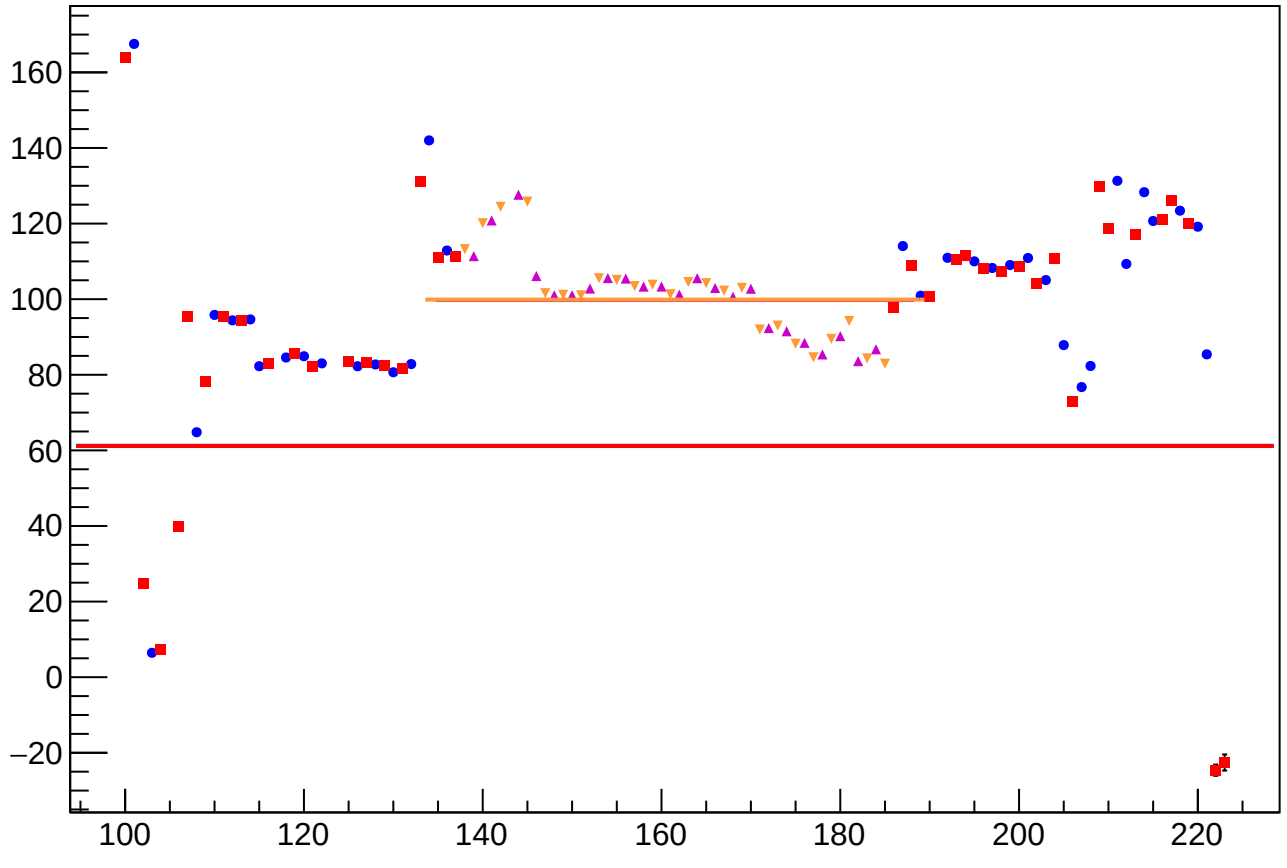
Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

Right: -24.844+/-0.583 χ^2/NDF: 1500.7/70

In: -37.085+/-0.526 χ^2/NDF:1309.7/56

Out: -34.882+/-0.511 χ^2/NDF:1799.6/60

All: -35.950+/-0.367 χ^2/NDF: 3118.3/117



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

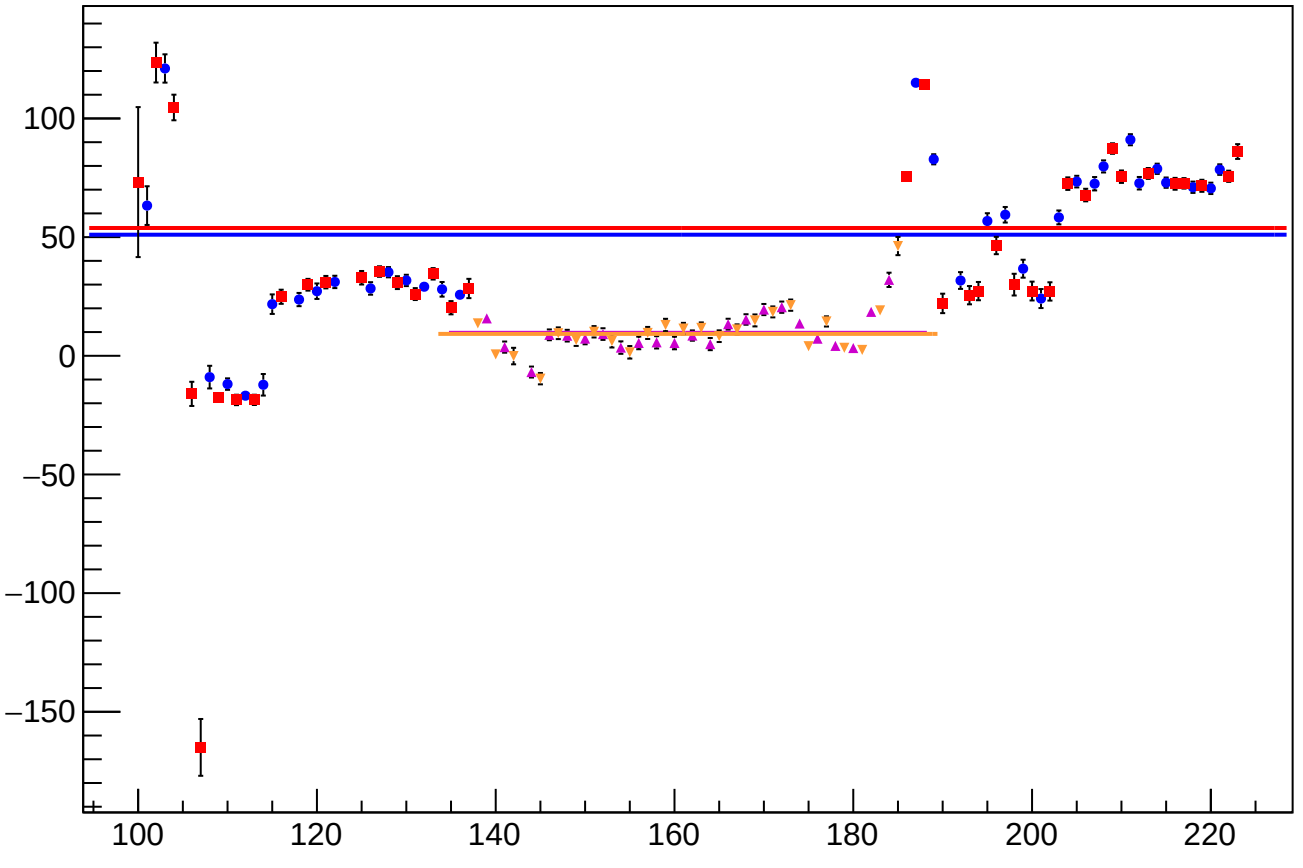
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 61.178+/-0.027 χ^2/NDF: 3029900.7/70

In: 84.598+/-0.024 χ^2/NDF:2363124.8/56

Out: 84.450+/-0.024 χ^2/NDF:2161993.5/60

All: 84.524+/-0.017 χ^2/NDF: 4525137.5/117



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

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

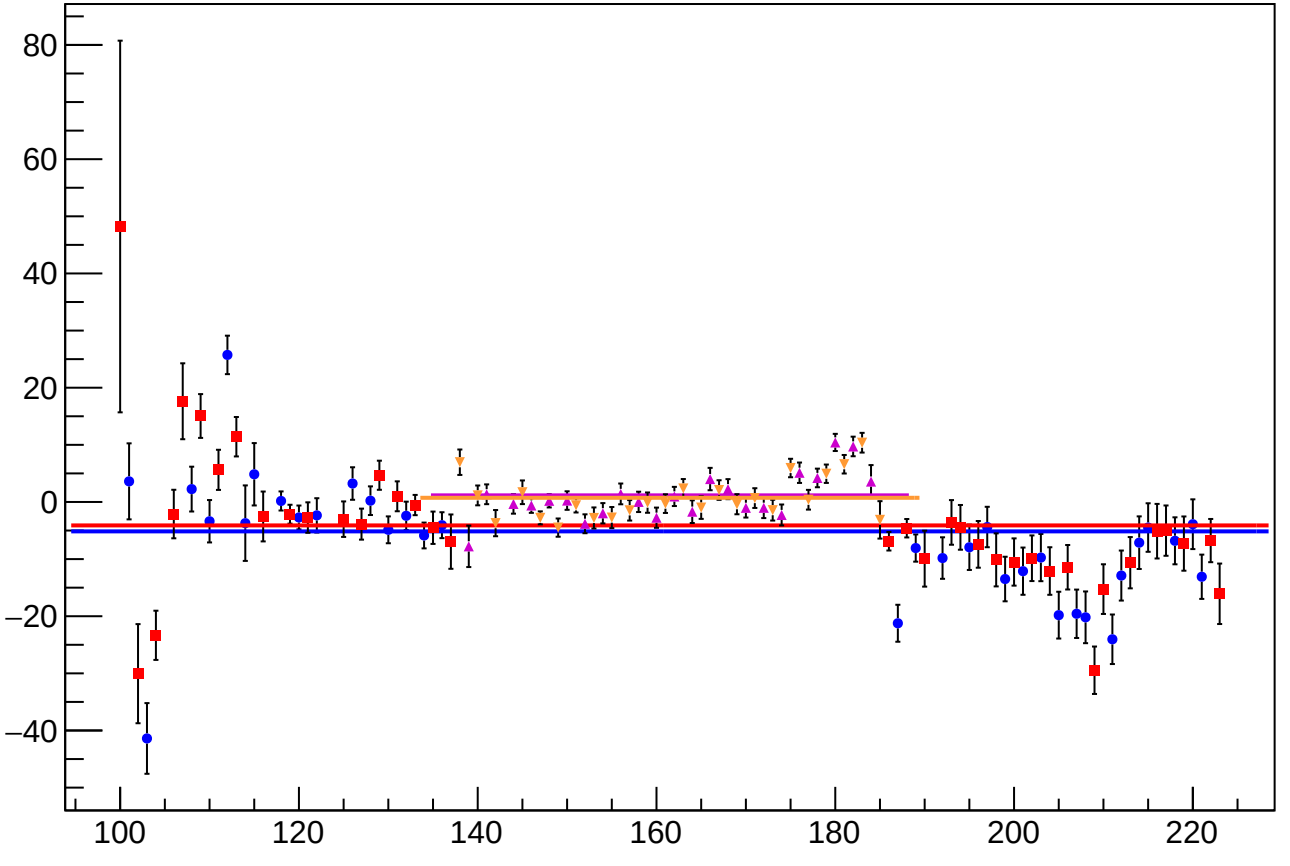
Right: 52.529+/-0.310 χ^2/NDF: 14645.0/70

In: 30.736+/-0.324 χ^2/NDF:9941.6/56

Out: 33.123+/-0.311 χ^2/NDF:14448.1/60

All: 31.978+/-0.224 χ^2/NDF: 24418.0/117

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

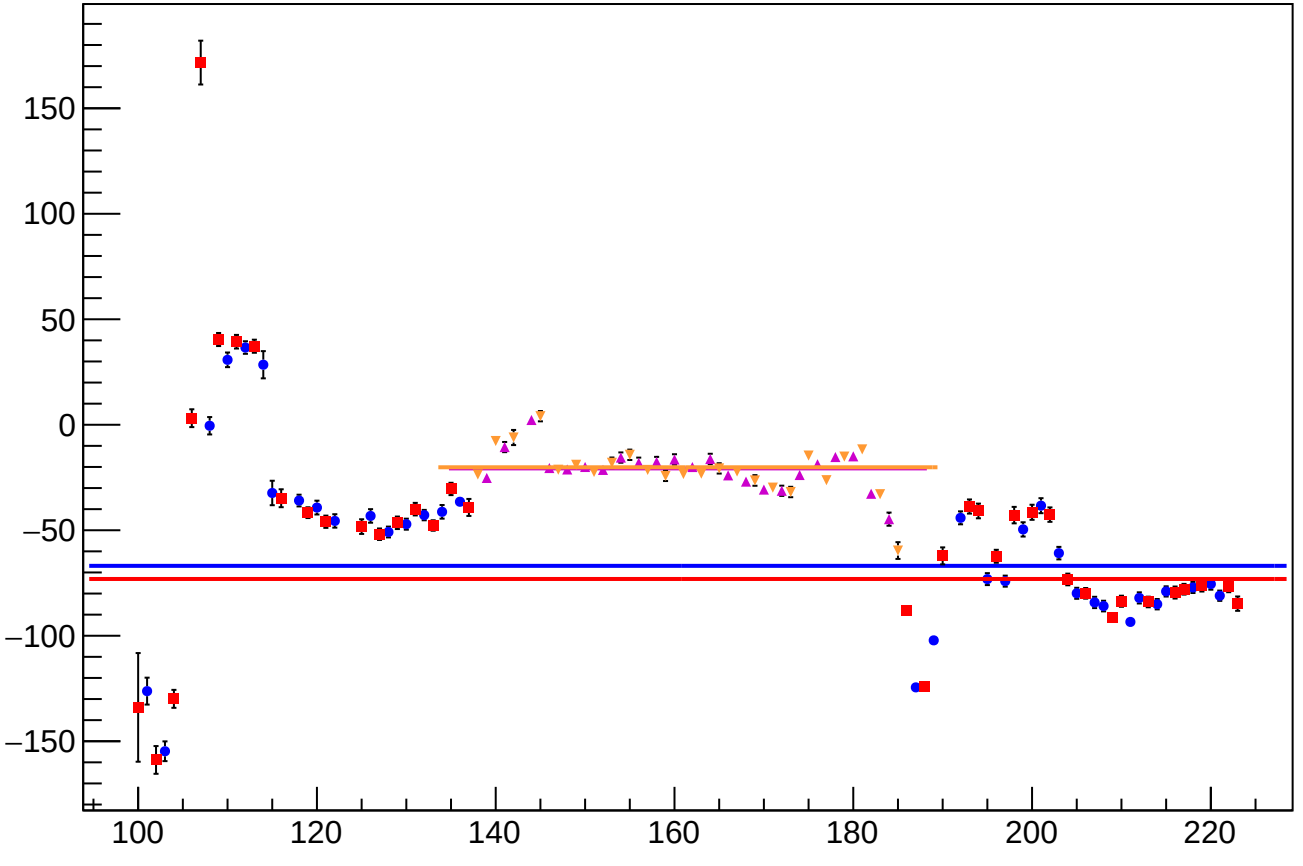
Right: -4.597+/-0.380 χ^2/NDF: 443.6/70

In: -0.702+/-0.300 χ^2/NDF:455.9/56

Out: -0.763+/-0.291 χ^2/NDF:356.7/60

All: -0.733+/-0.209 χ^2/NDF: 812.7/117

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

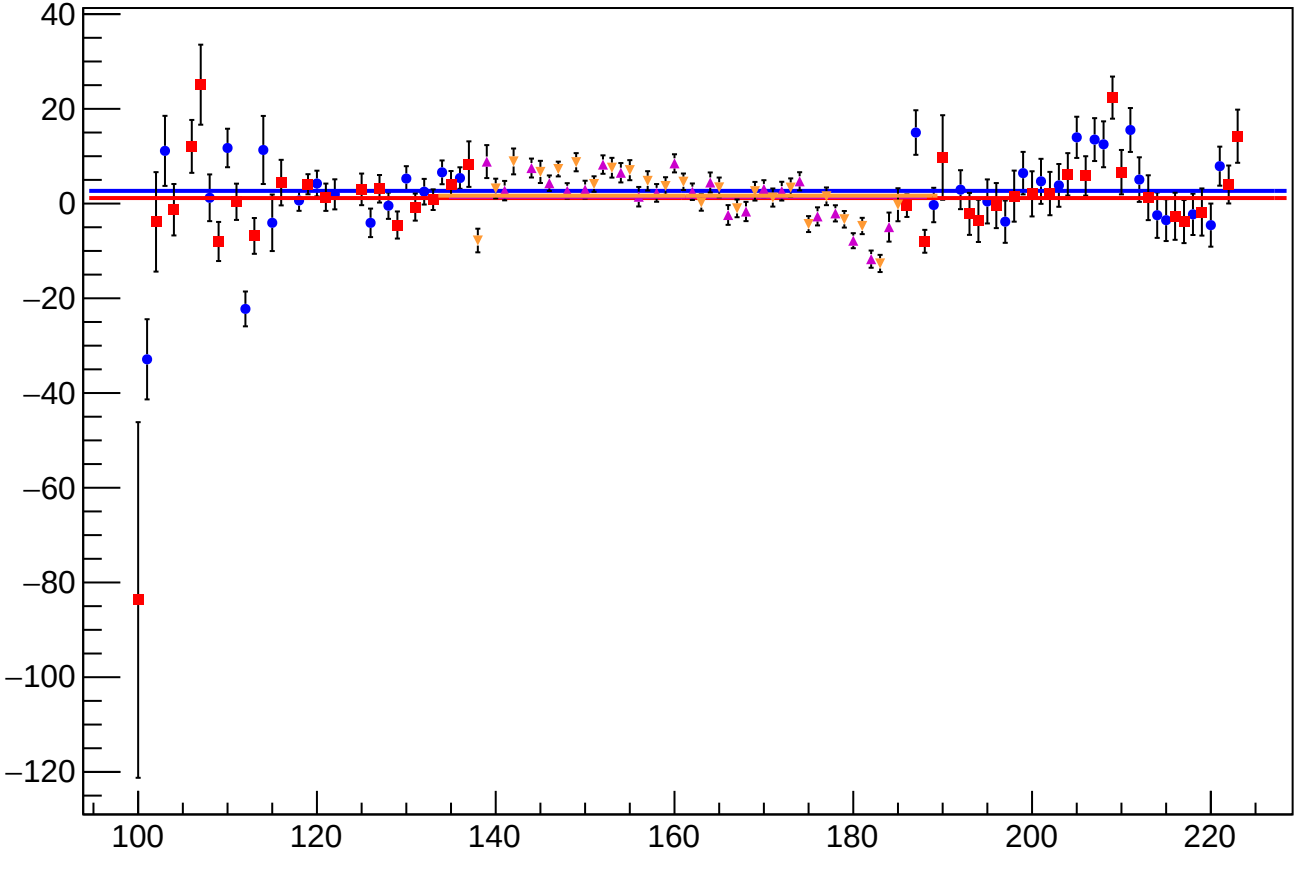
Right: -70.312+/-0.314 χ^2/NDF: 15874.1/70

In: -43.147+/-0.328 χ^2/NDF:11233.9/56

Out: -48.426+/-0.309 χ^2/NDF:17541.1/60

All: -45.945+/-0.225 χ^2/NDF: 28912.3/117

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

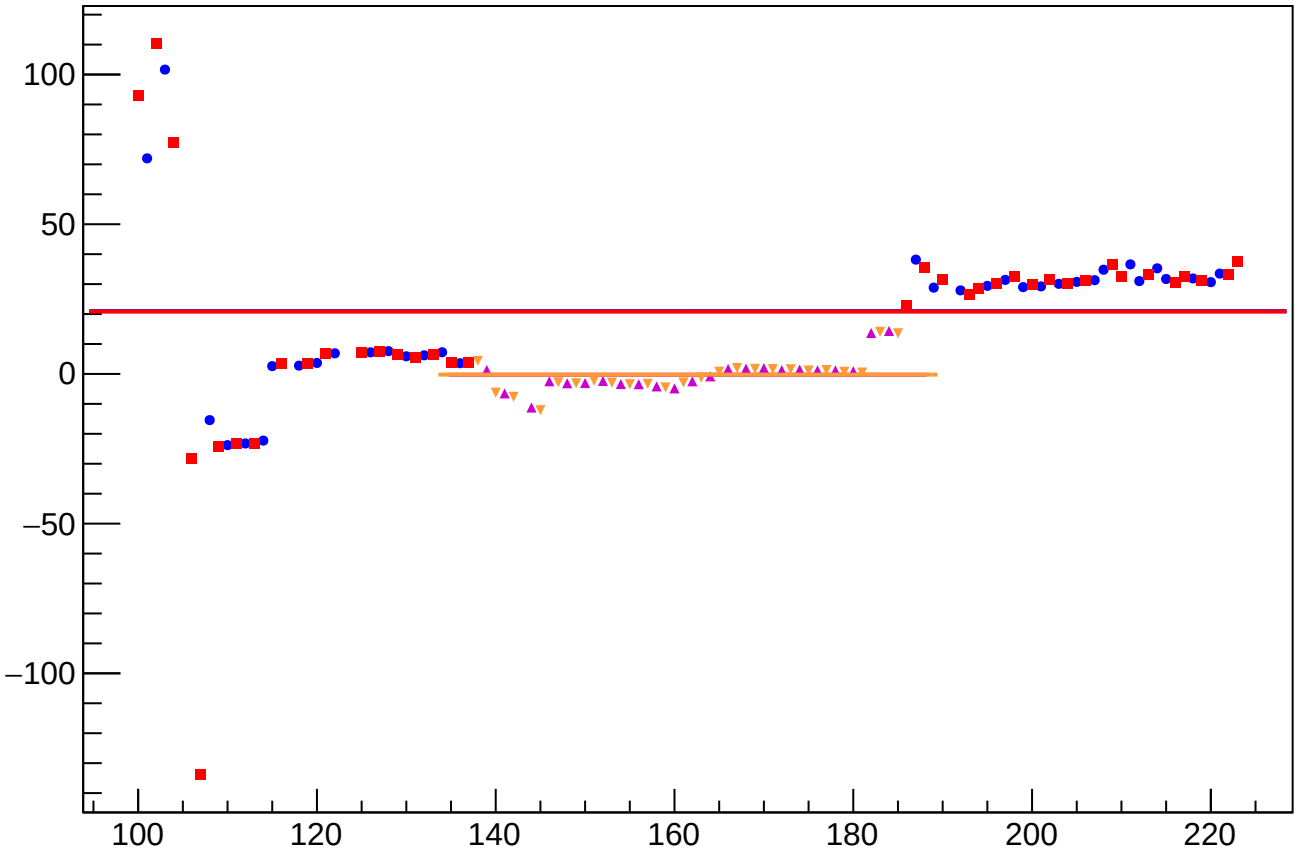
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.905+/-0.443 χ^2/NDF: 221.7/70

In: 1.787+/-0.340 χ^2/NDF:294.5/56

Out: 1.524+/-0.333 χ^2/NDF:268.3/60

All: 1.653+/-0.238 χ^2/NDF: 563.1/117



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

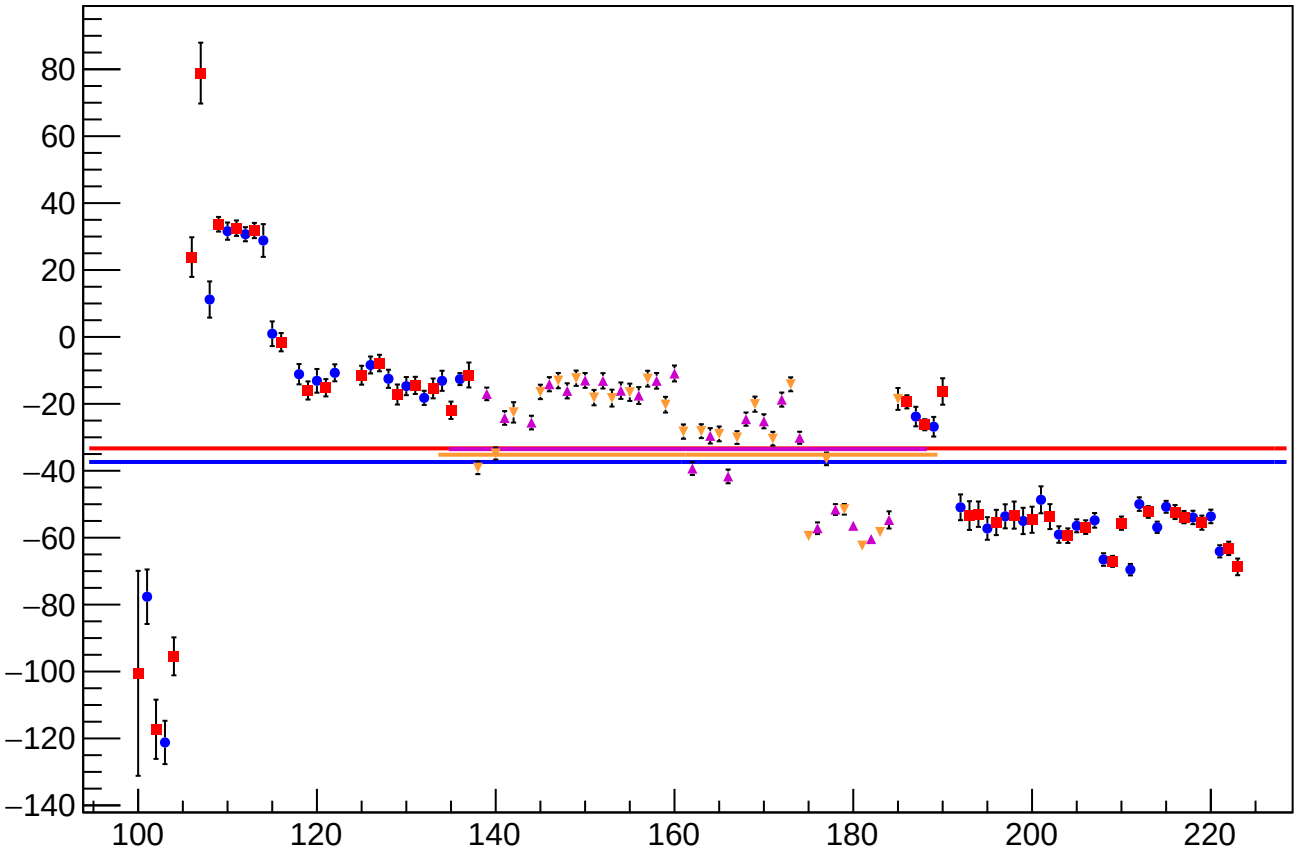
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 20.902+/-0.023 χ^2/NDF: 1053007.1/70

In: 4.753+/-0.015 χ^2/NDF:852722.7/56

Out: 4.701+/-0.015 χ^2/NDF:1026922.3/60

All: 4.727+/-0.011 χ^2/NDF: 1879650.8/117



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

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

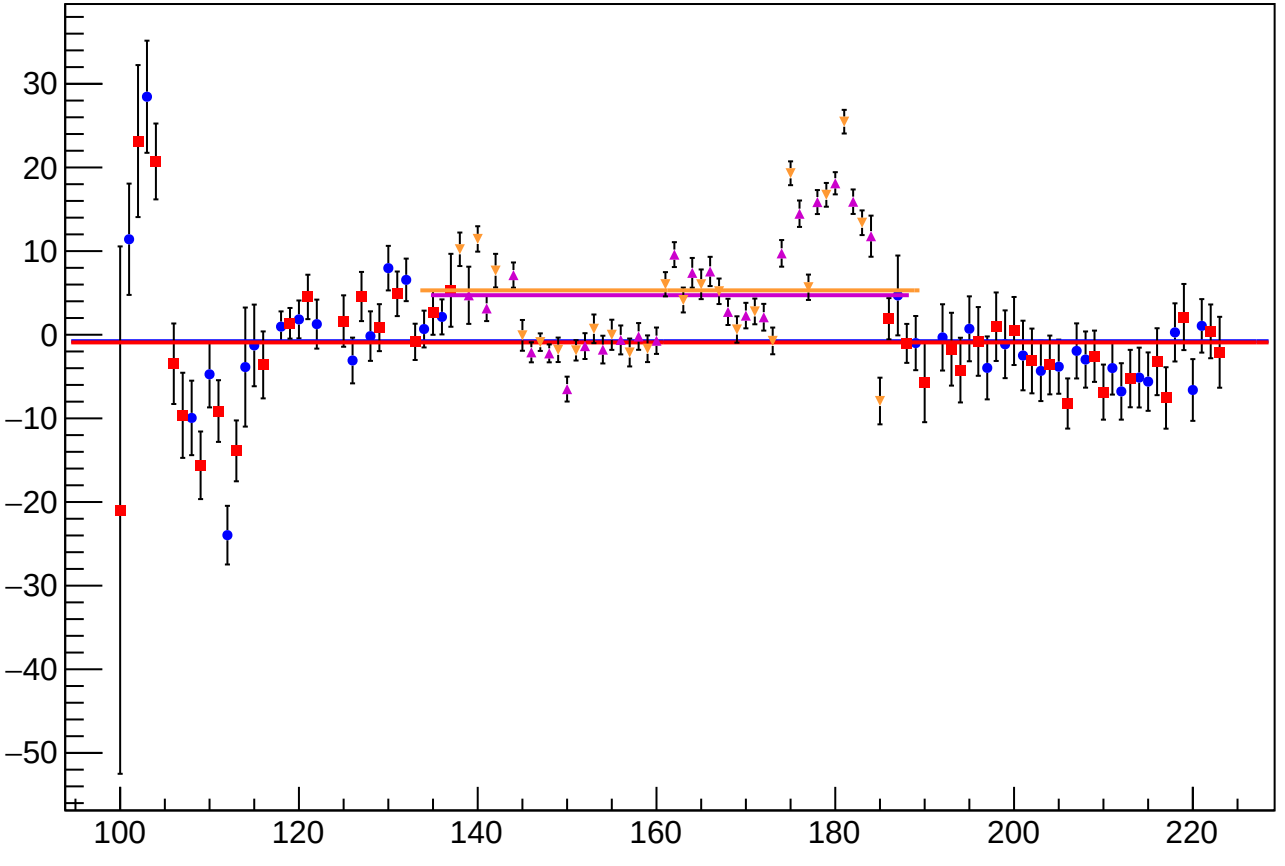
Right: -35.322+/-0.300 χ^2/NDF: 10271.9/70

In: -35.396+/-0.297 χ^2/NDF:6547.2/56

Out: -34.284+/-0.293 χ^2/NDF:7387.9/60

All: -34.834+/-0.209 χ^2/NDF: 13942.2/117

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

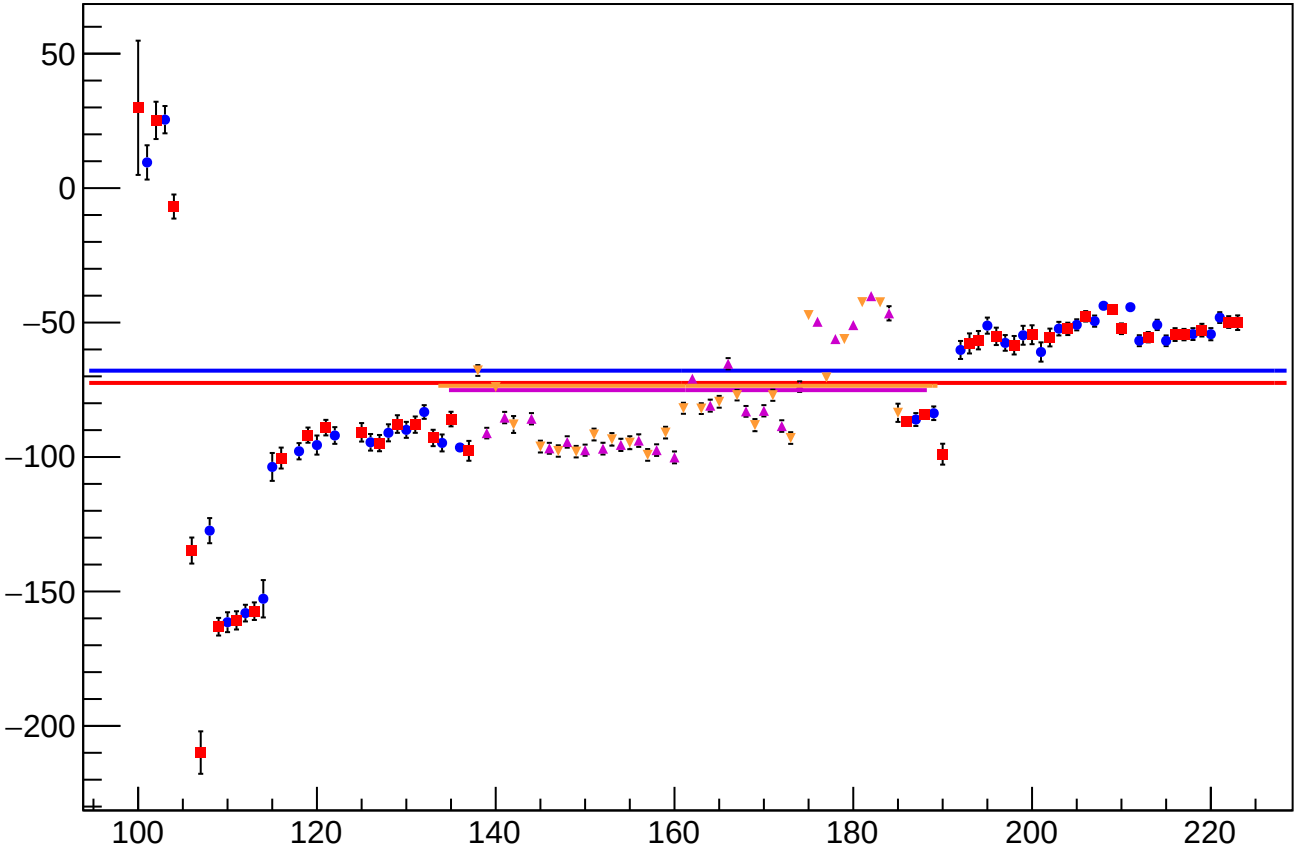
Right: -0.847+/-0.388 χ^2/NDF: 215.3/70

In: 3.328+/-0.277 χ^2/NDF:682.3/56

Out: 3.757+/-0.273 χ^2/NDF:825.1/60

All: 3.546+/-0.195 χ^2/NDF: 1508.7/117

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

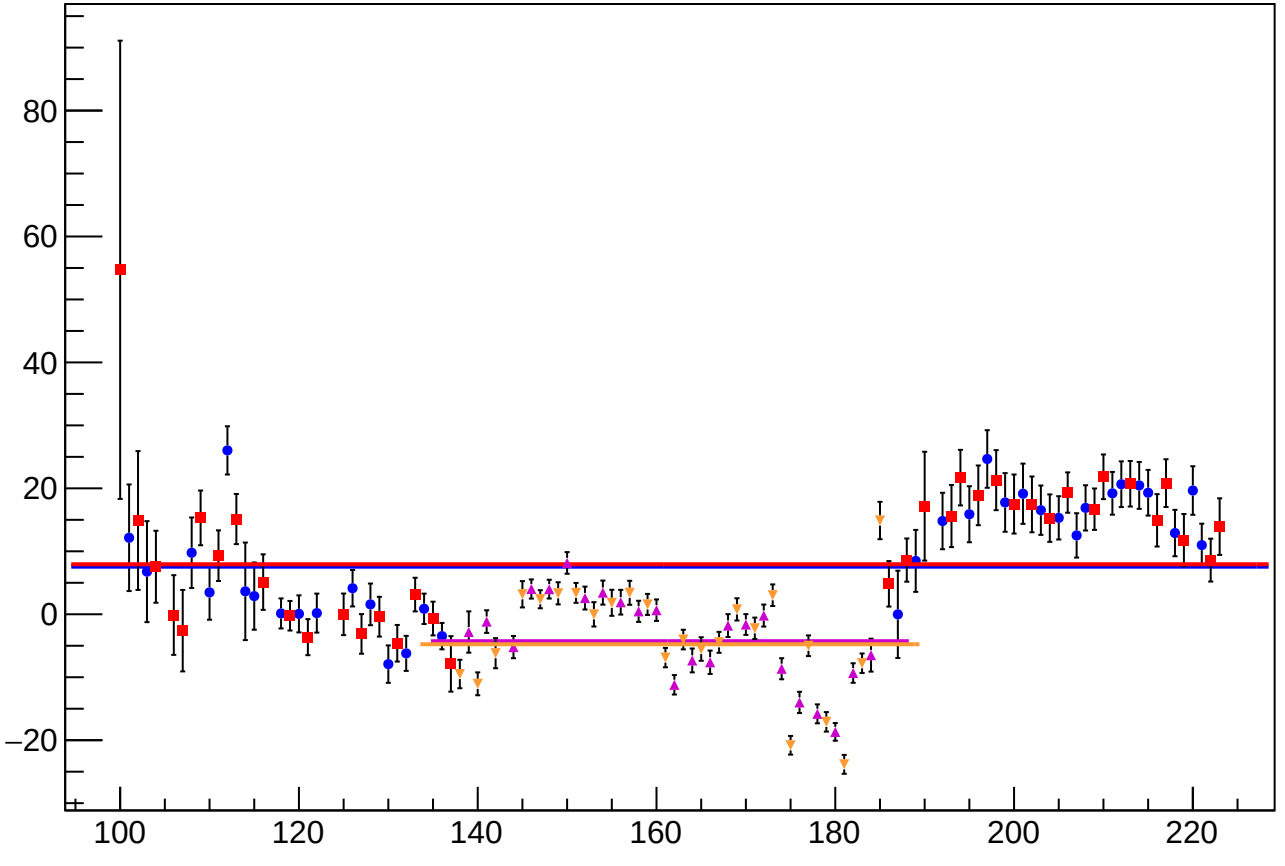
Right: -70.222+/-0.313 χ^2/NDF: 8957.1/70

In: -71.829+/-0.302 χ^2/NDF:6607.8/56

Out: -73.017+/-0.297 χ^2/NDF:7195.6/60

All: -72.433+/-0.212 χ^2/NDF: 13811.2/117

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

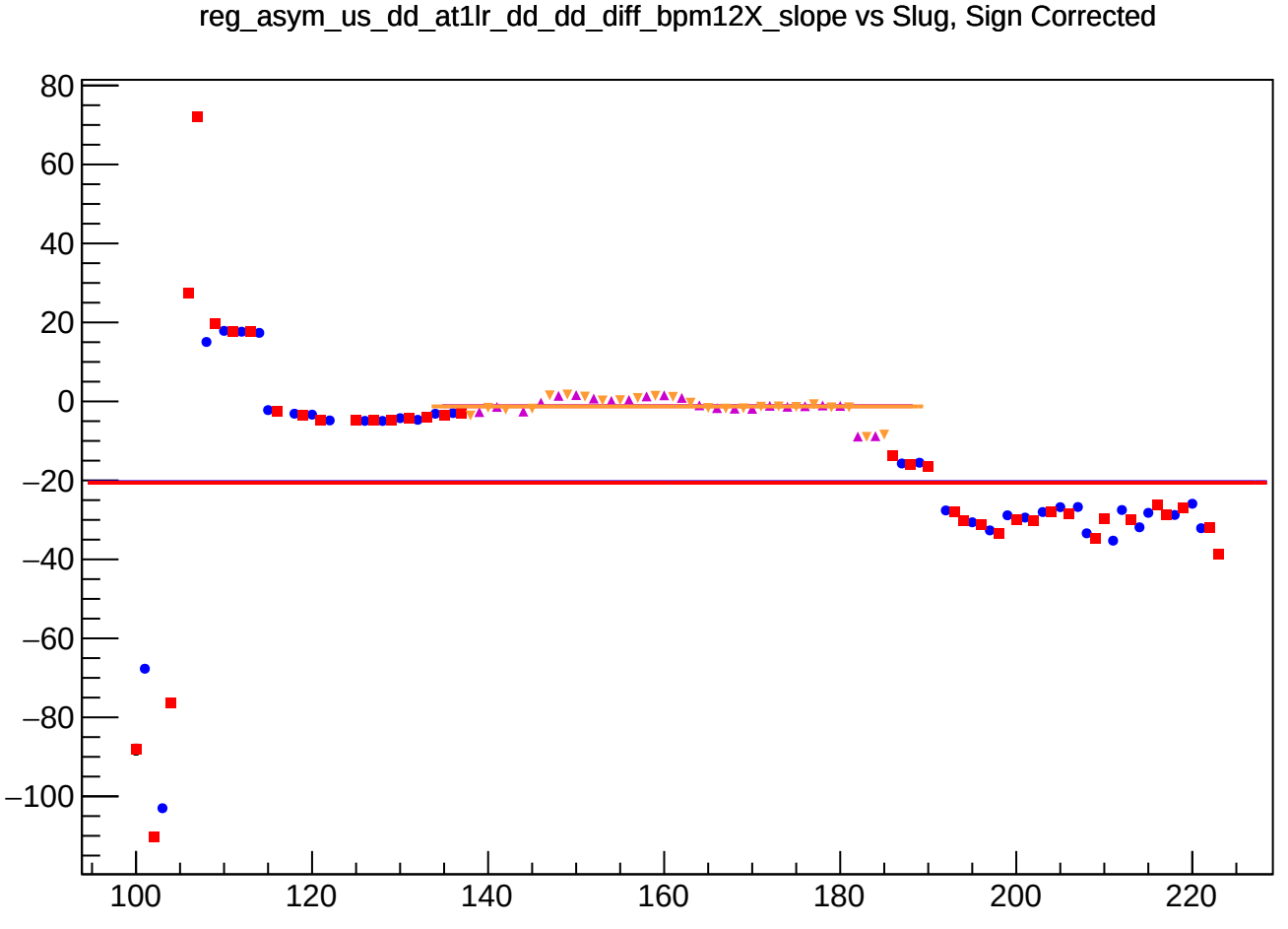
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

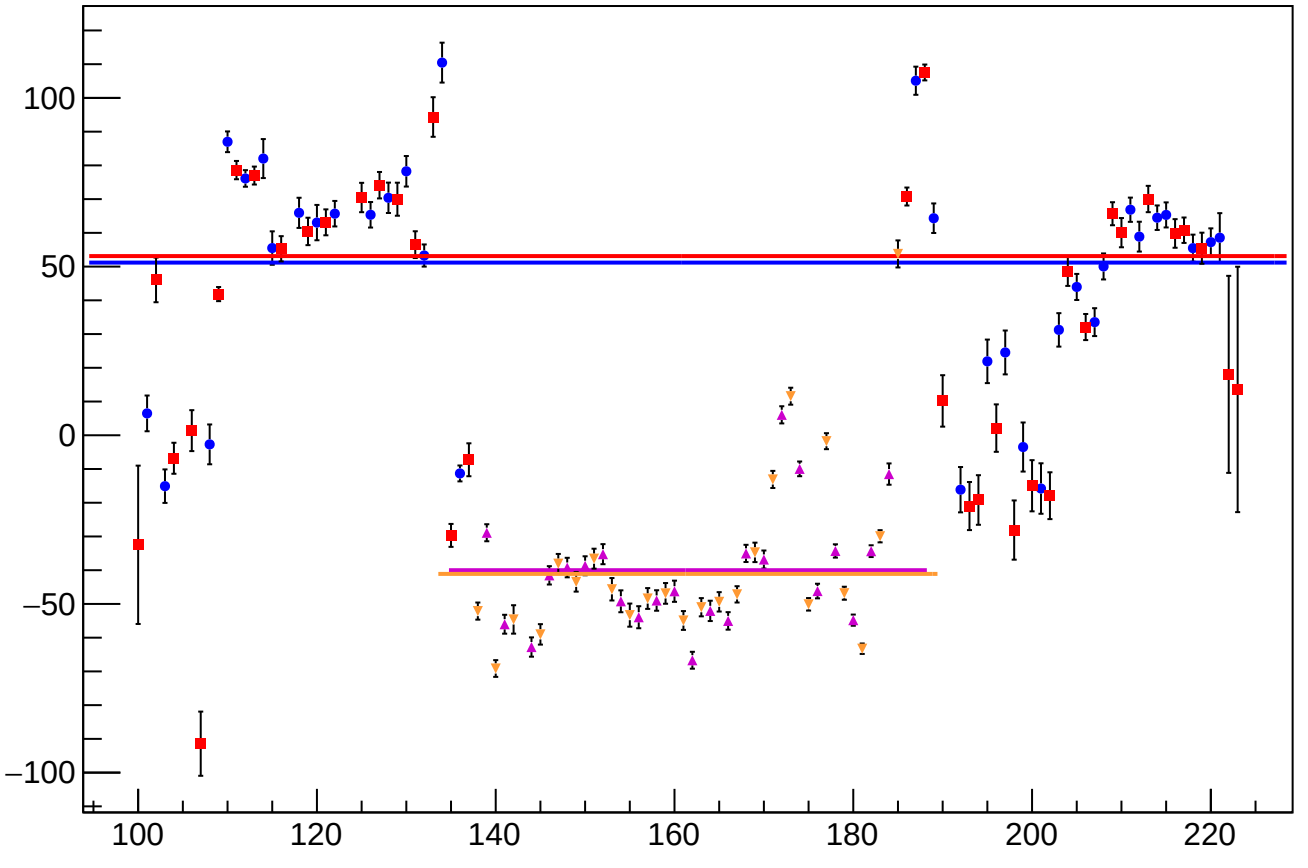
Right: 7.749+/-0.439 χ^2/NDF: 466.7/70

In: -1.259+/-0.312 χ^2/NDF:949.0/56

Out: -1.672+/-0.309 χ^2/NDF:1104.9/60

All: -1.467+/-0.219 χ^2/NDF: 2054.7/117


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
220
Right In: -20.437+/-0.030 χ²/NDF: 401986.8/33
Left Out: -1.267+/-0.016 χ²/NDF:25091.1/23
Right Out: -20.578+/-0.031 χ²/NDF: 491239.1/36
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -20.506+/-0.022 χ²/NDF: 893236.5/70
In: -5.377+/-0.014 χ²/NDF:744303.1/56
Out: -5.272+/-0.014 χ²/NDF:823626.9/60
All: -5.325+/-0.010 χ²/NDF: 1567958.0/117



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

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

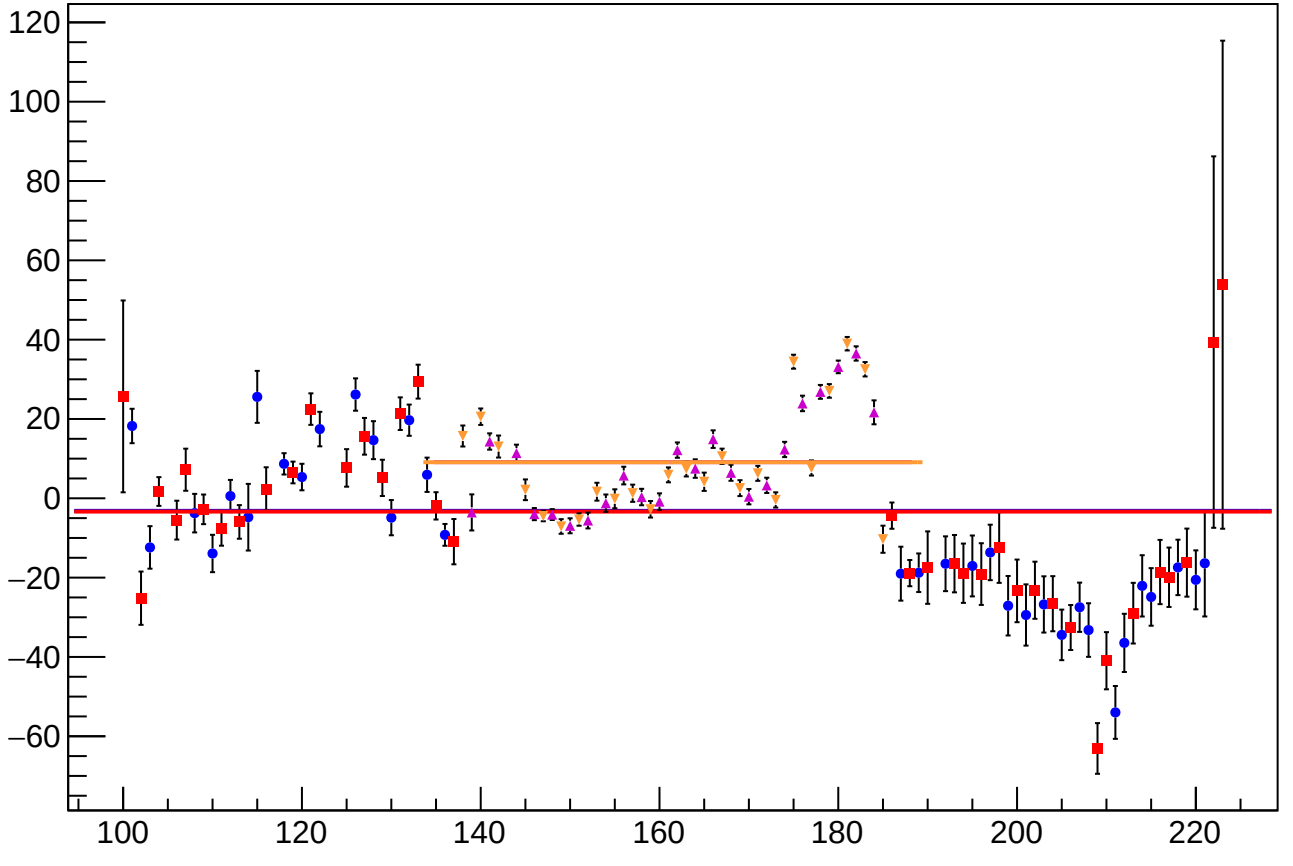
Right: 52.198+/-0.495 χ^2/NDF: 4813.4/70

In: -8.279+/-0.423 χ^2/NDF:13601.6/56

Out: -6.750+/-0.412 χ^2/NDF:16800.6/60

All: -7.494+/-0.295 χ^2/NDF: 30408.9/117

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

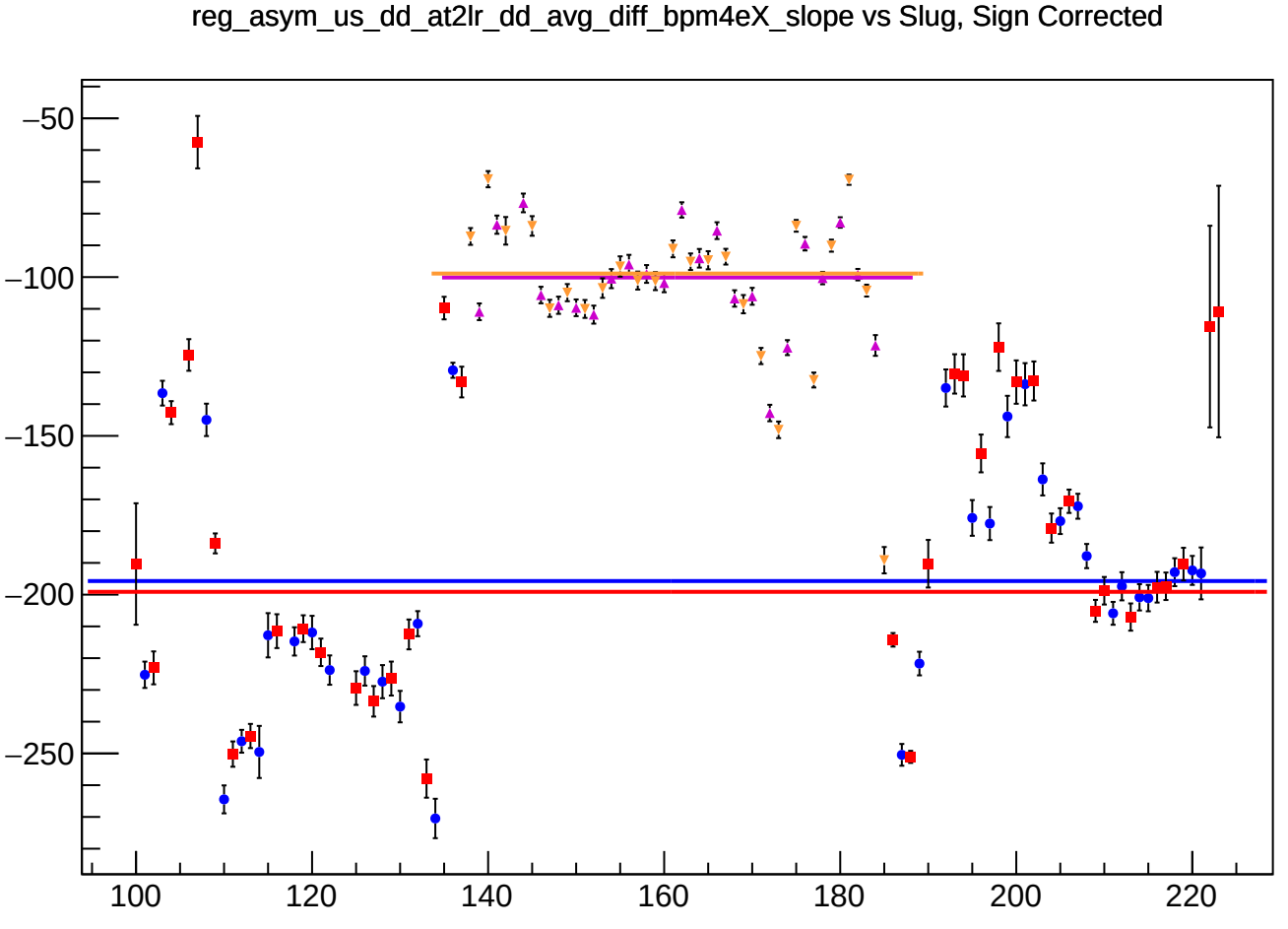
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

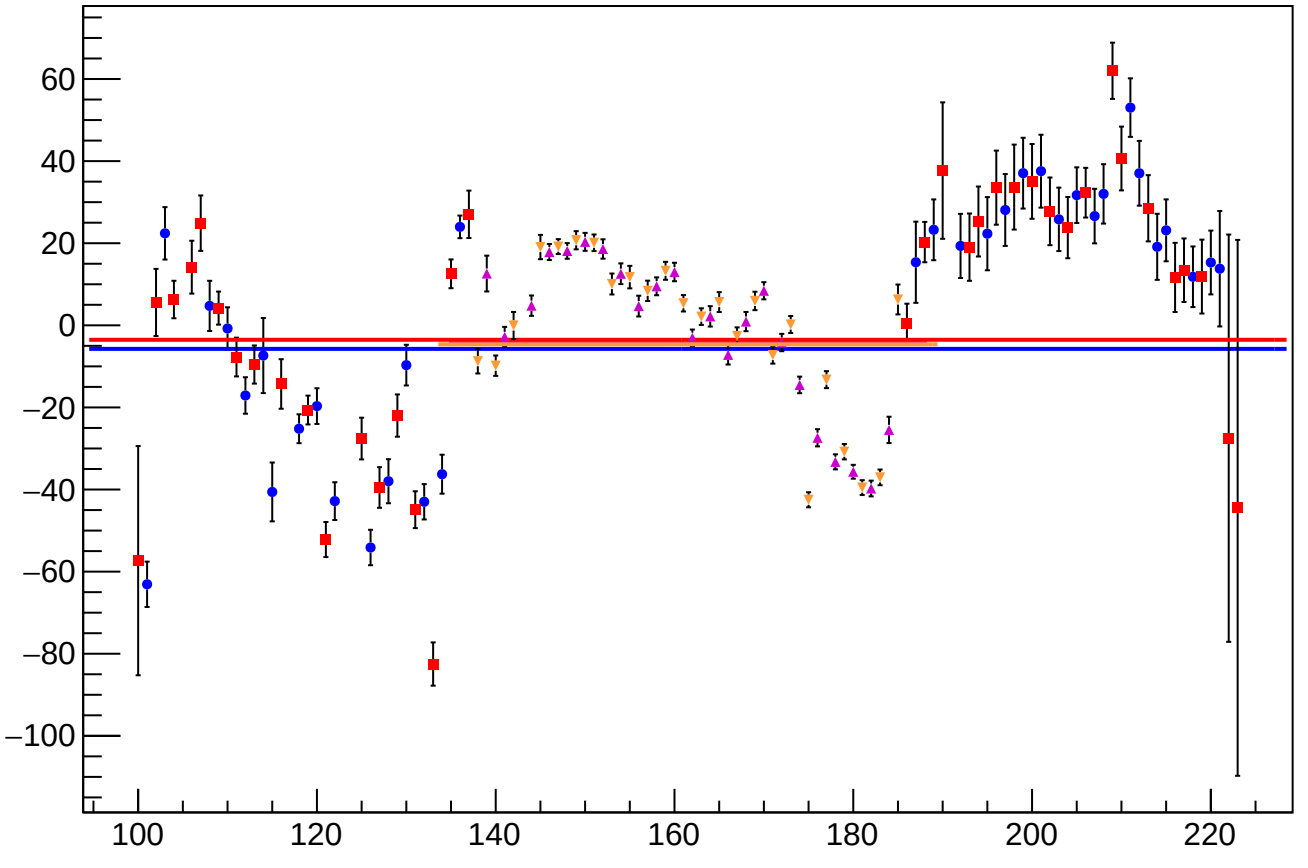
Right: -3.261+/-0.604 χ^2/NDF: 856.7/70

In: 6.886+/-0.370 χ^2/NDF:1647.1/56

Out: 6.789+/-0.362 χ^2/NDF:1857.4/60

All: 6.836+/-0.259 χ^2/NDF: 3504.6/117


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
200
220
Right In: -195.713+/-0.757 χ²/NDF: 2710.9/33
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -199.110+/-0.713 χ²/NDF: 3679.1/36
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -197.512+/-0.519 χ²/NDF: 6400.6/70
In: -130.787+/-0.429 χ²/NDF:14369.2/56
Out: -133.141+/-0.417 χ²/NDF:18492.5/60
All: -131.996+/-0.299 χ²/NDF: 32877.2/117



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

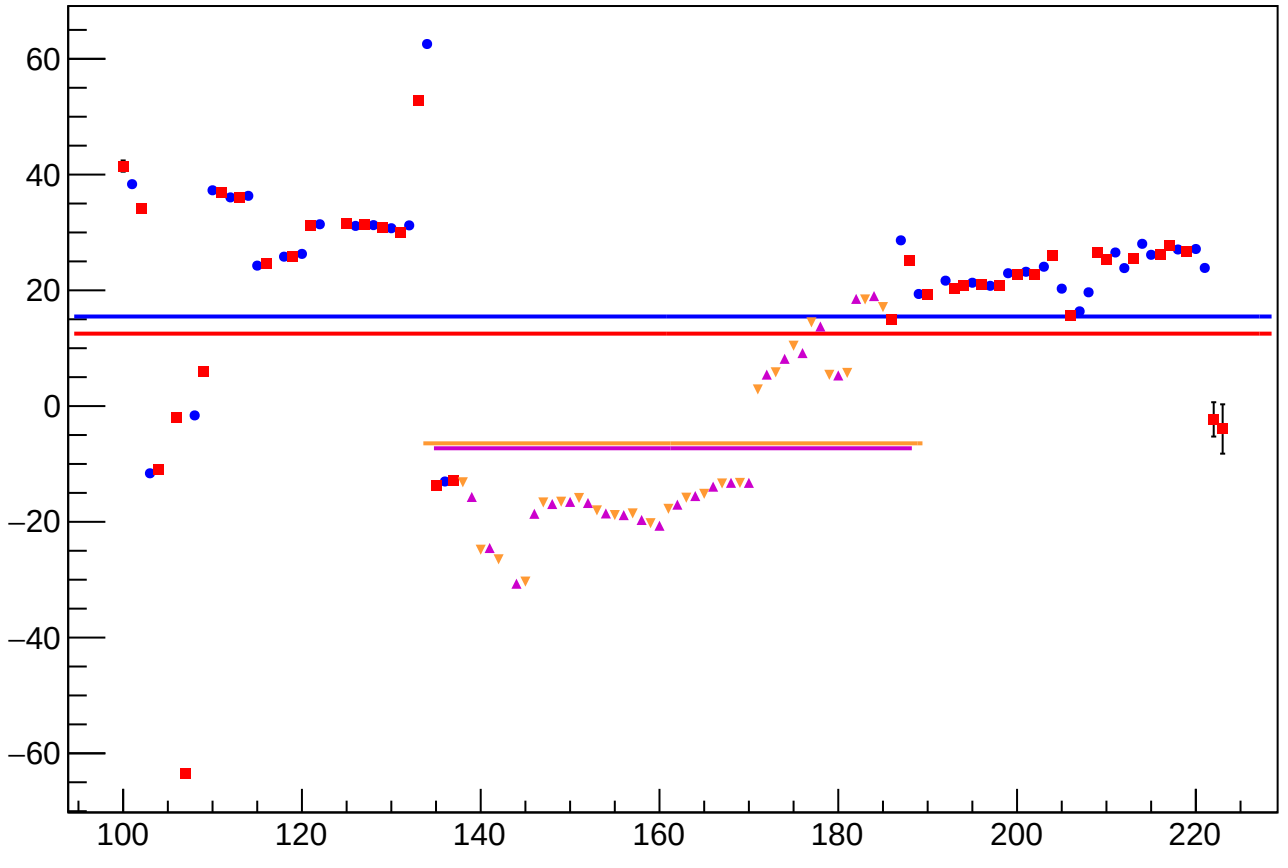
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -4.622+/-0.694 χ^2/NDF: 1958.4/70

In: -4.580+/-0.416 χ^2/NDF:2856.2/56

Out: -4.425+/-0.410 χ^2/NDF:3034.8/60

All: -4.501+/-0.292 χ^2/NDF: 5891.1/117



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

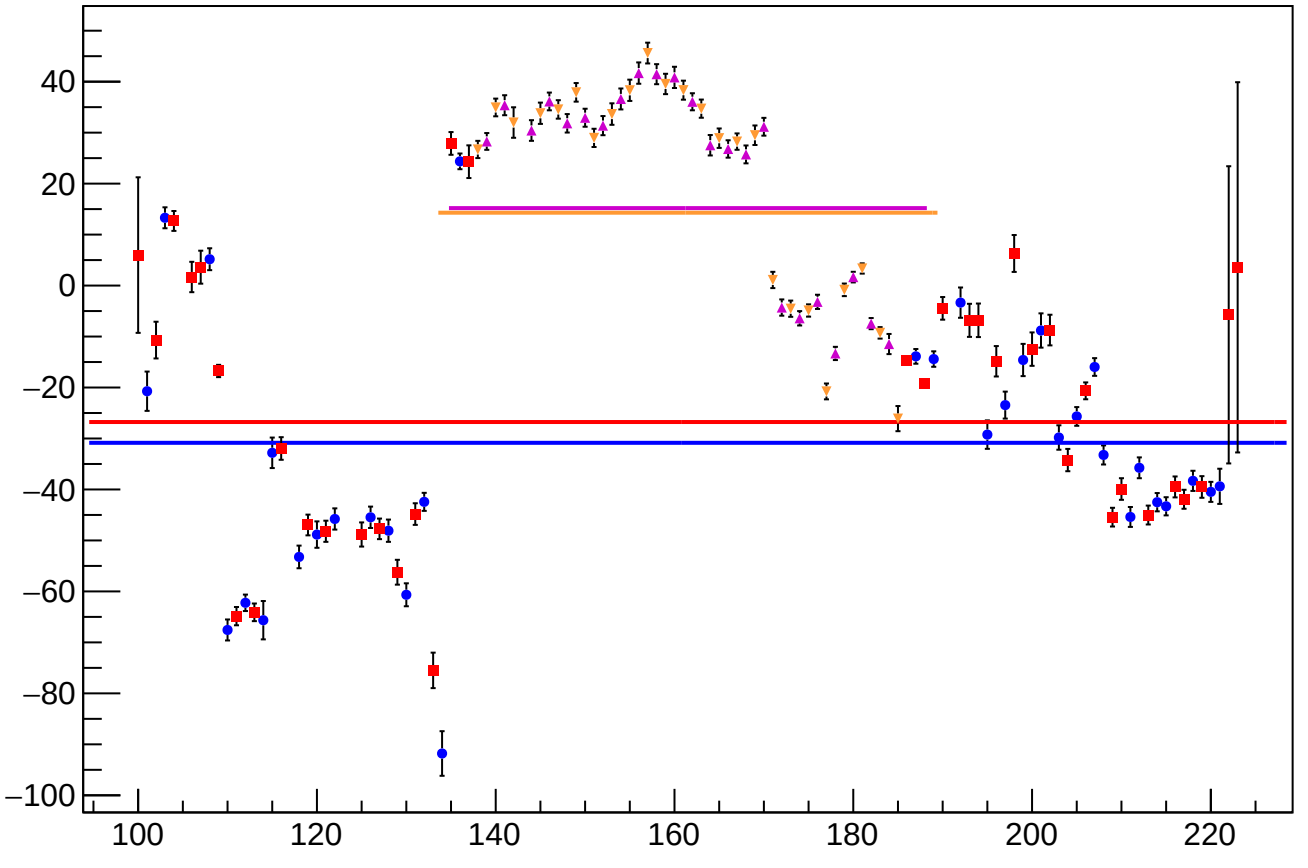
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 14.000+/-0.034 χ^2/NDF: 367907.5/70

In: -3.874+/-0.019 χ^2/NDF:857708.6/56

Out: -3.626+/-0.019 χ^2/NDF:812824.5/60

All: -3.749+/-0.013 χ^2/NDF: 1670621.0/117



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

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

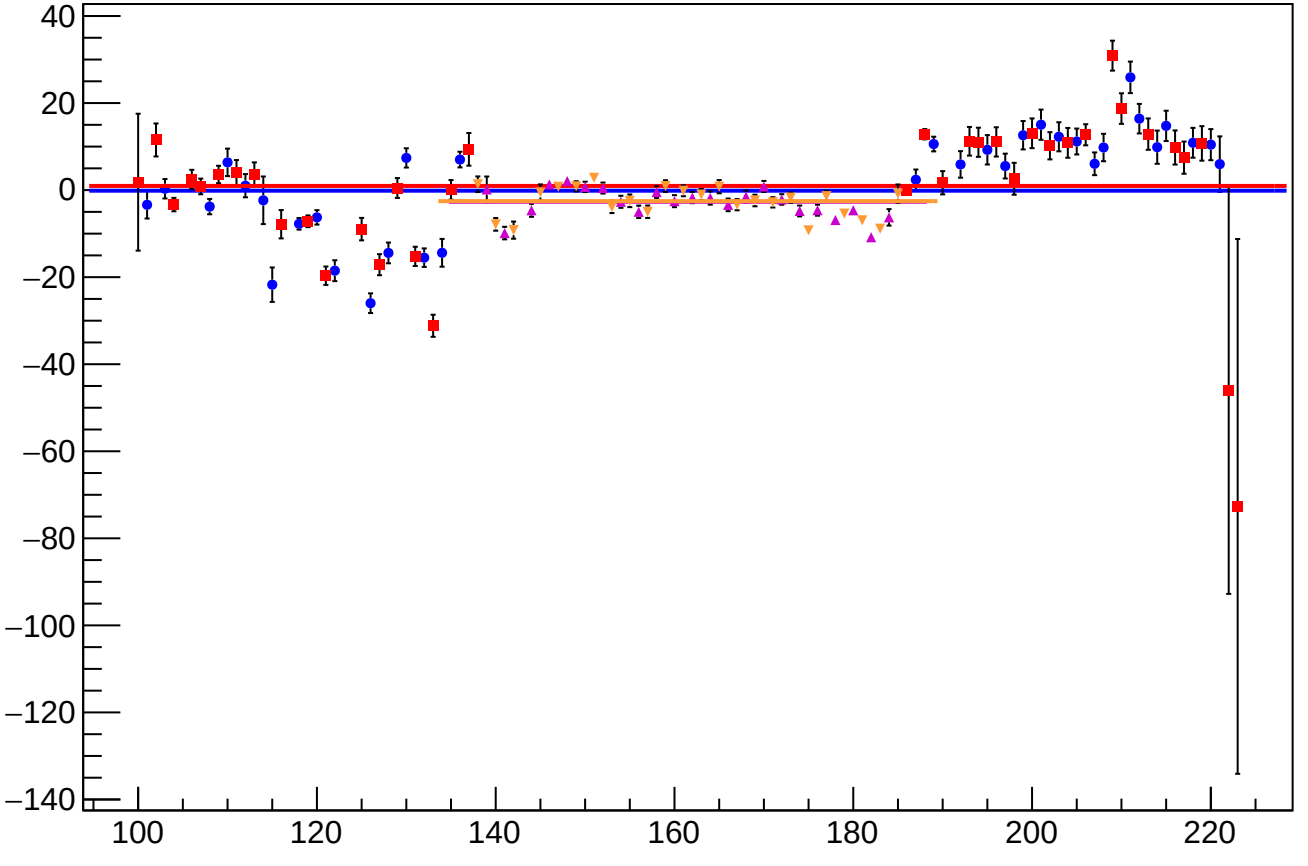
Right: -28.617+/-0.244 χ^2/NDF: 8564.0/70

In: -6.353+/-0.248 χ^2/NDF:16256.4/56

Out: -6.596+/-0.235 χ^2/NDF:15617.2/60

All: -6.481+/-0.170 χ^2/NDF: 31874.1/117

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

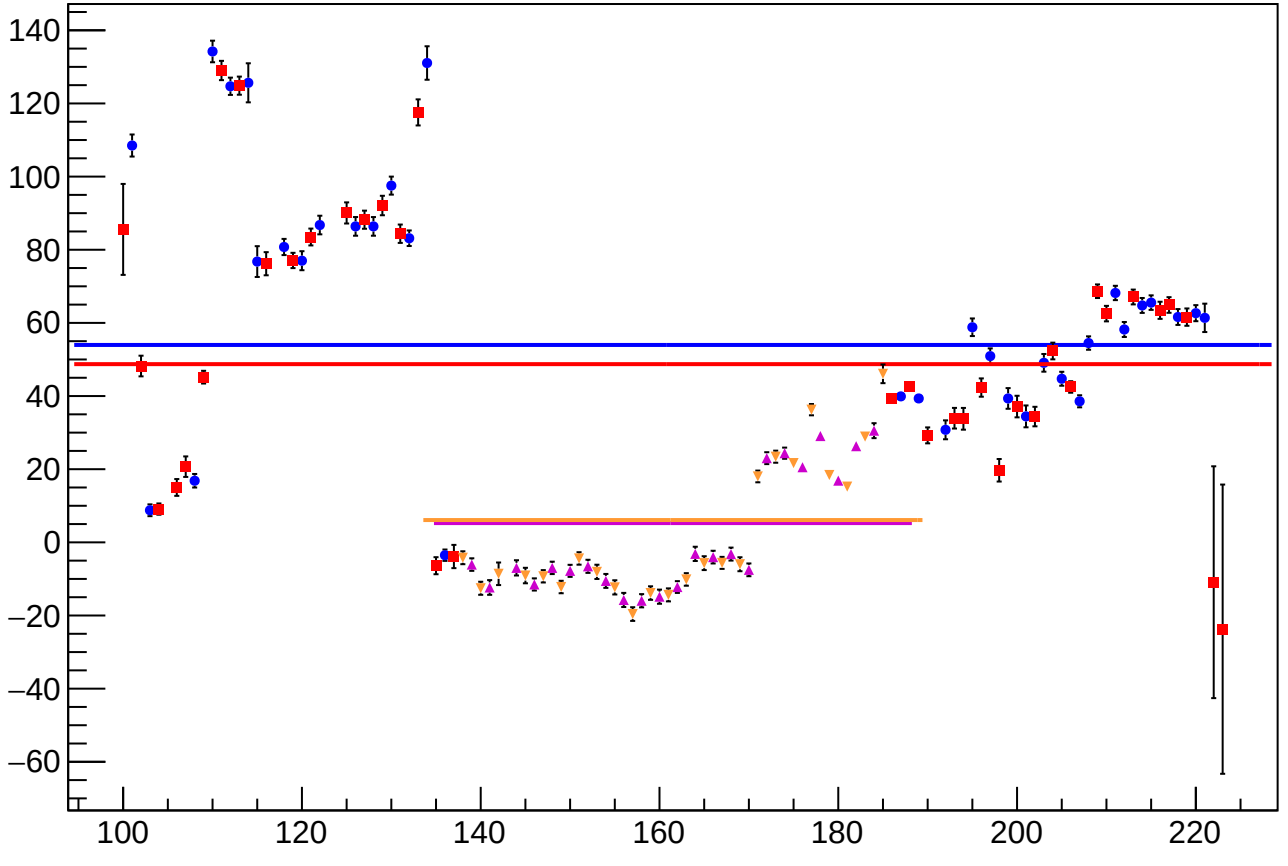
Right: 0.468+/-0.293 χ^2/NDF: 1430.6/70

In: -1.996+/-0.226 χ^2/NDF:873.3/56

Out: -1.489+/-0.217 χ^2/NDF:1013.8/60

All: -1.732+/-0.157 χ^2/NDF: 1889.8/117

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

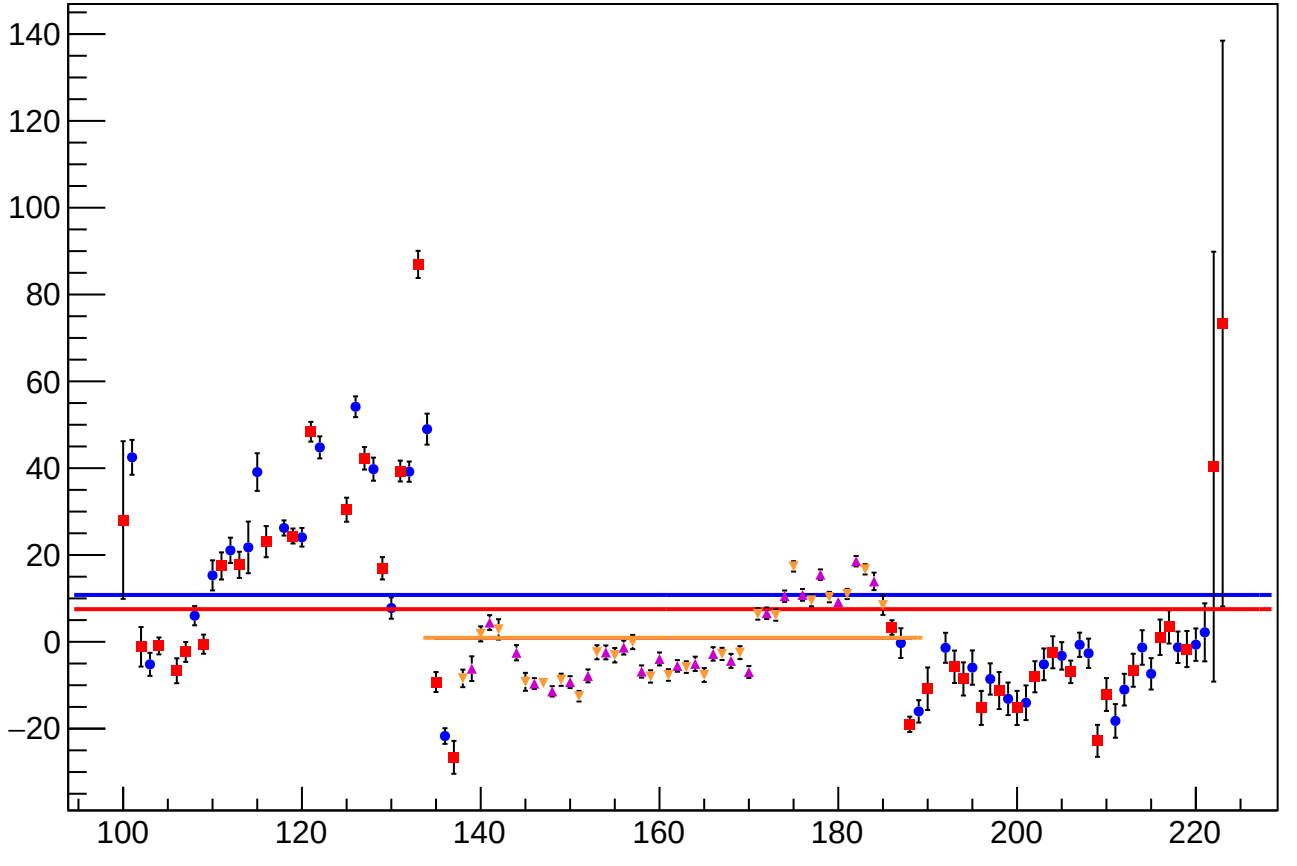
Right: 51.000+/-0.240 χ^2/NDF: 13418.9/70

In: 27.675+/-0.247 χ^2/NDF:19000.5/56

Out: 28.305+/-0.230 χ^2/NDF:17706.2/60

All: 28.012+/-0.169 χ^2/NDF: 36710.2/117

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

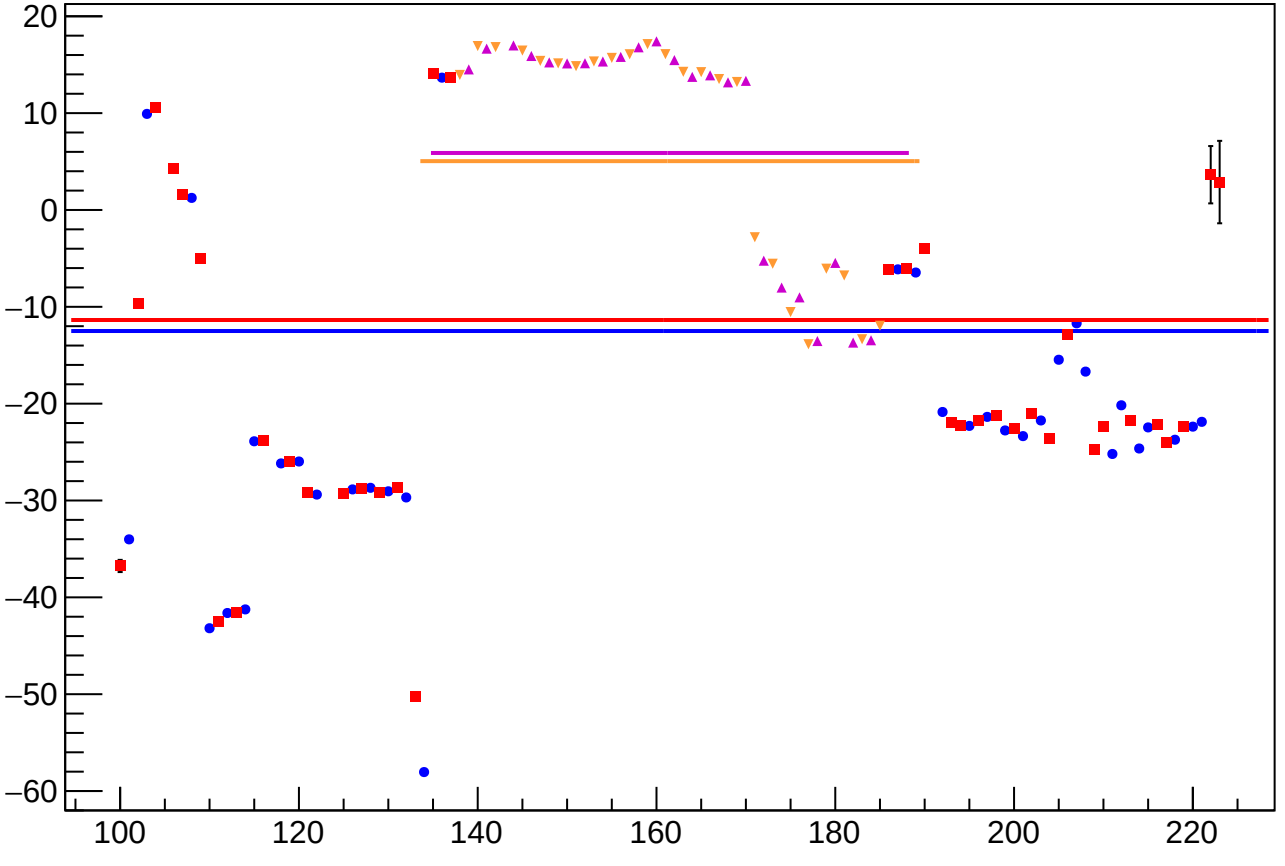
Right: 9.064+/-0.348 χ^2/NDF: 4287.6/70

In: 3.409+/-0.257 χ^2/NDF:3263.4/56

Out: 2.714+/-0.249 χ^2/NDF:3472.3/60

All: 3.052+/-0.179 χ^2/NDF: 6739.4/117

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

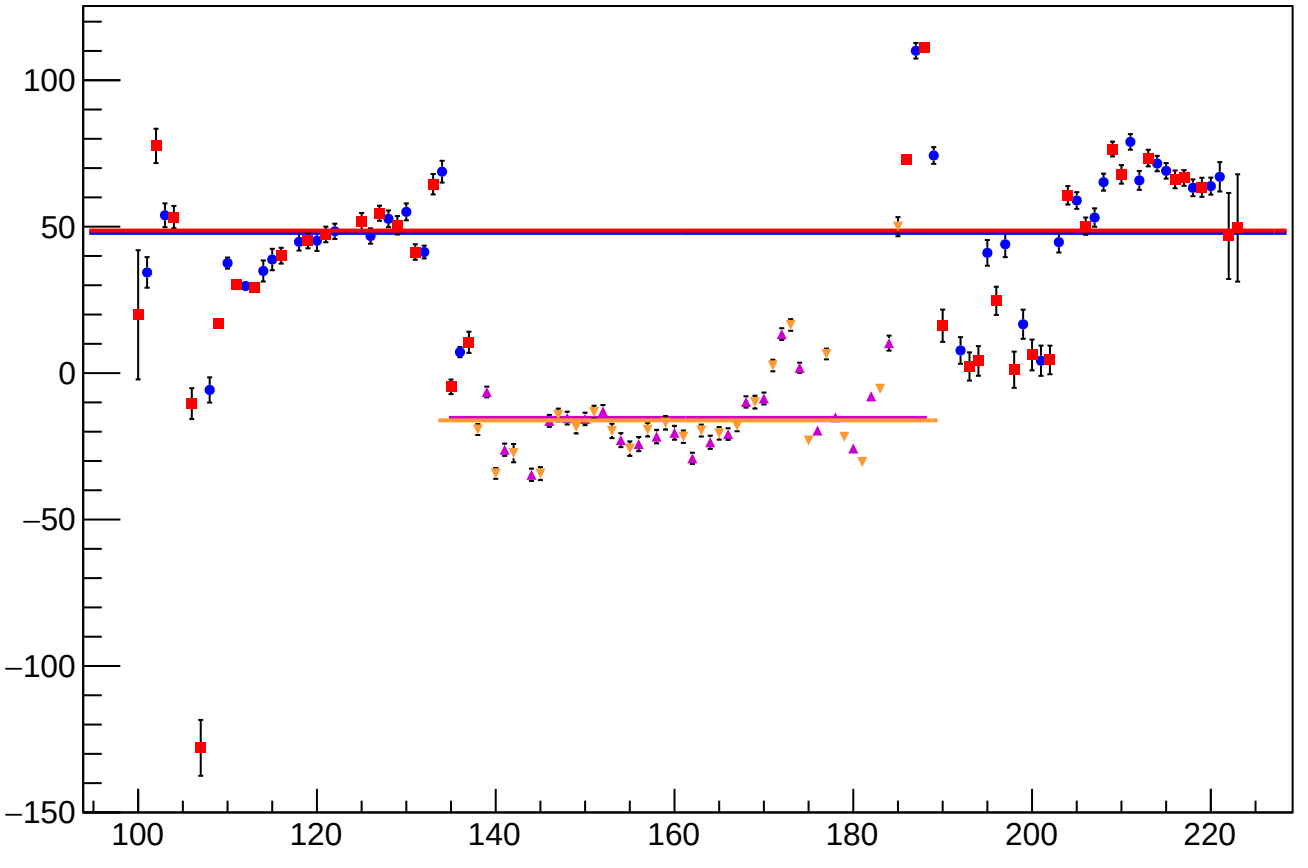
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.920+/-0.017 χ^2/NDF: 940288.9/70

In: 1.528+/-0.011 χ^2/NDF:1819411.8/56

Out: 1.087+/-0.011 χ^2/NDF:1665386.9/60

All: 1.306+/-0.008 χ^2/NDF: 3485544.8/117



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

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

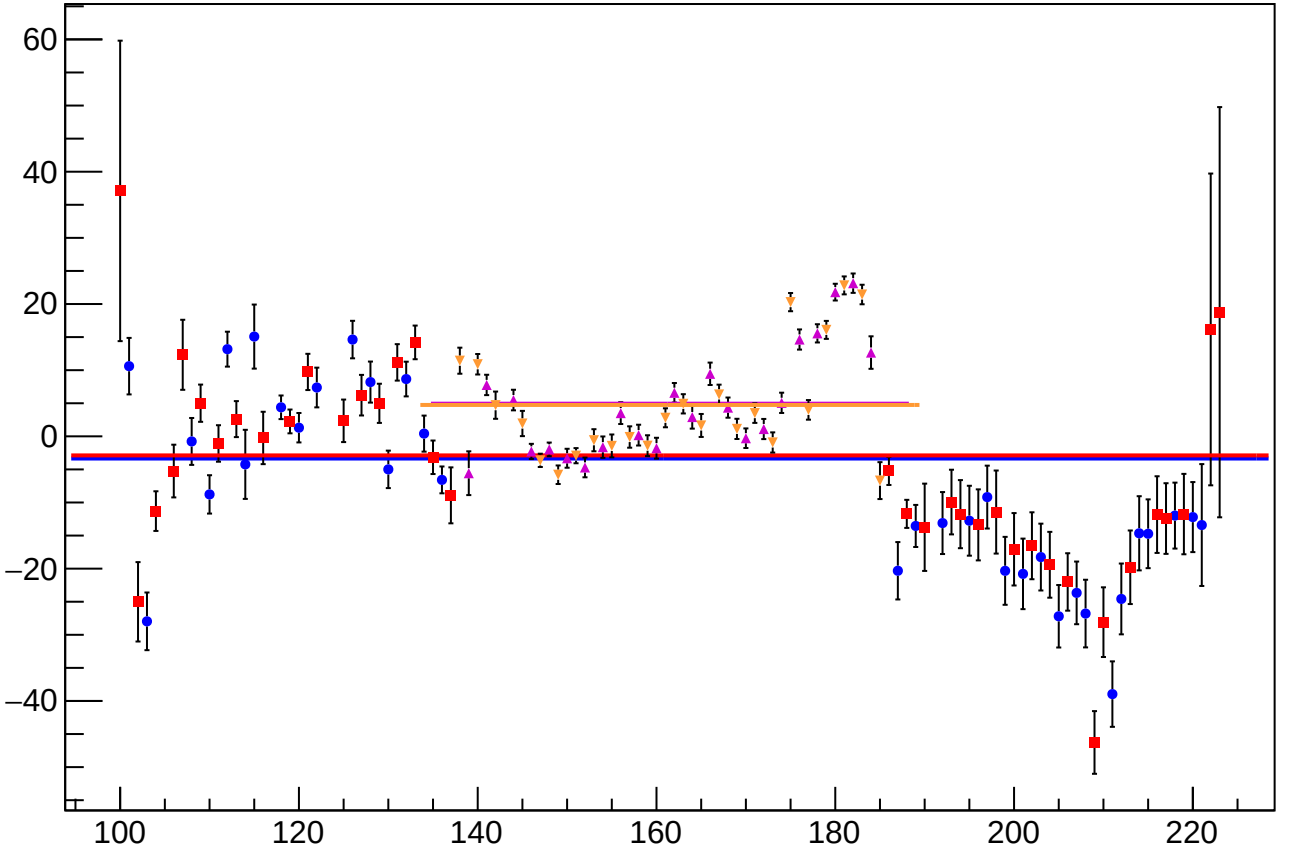
Right: 48.299+/-0.342 χ^2/NDF: 6692.8/70

In: 9.747+/-0.313 χ^2/NDF:12696.8/56

Out: 10.822+/-0.304 χ^2/NDF:16884.1/60

All: 10.301+/-0.218 χ^2/NDF: 29587.0/117

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

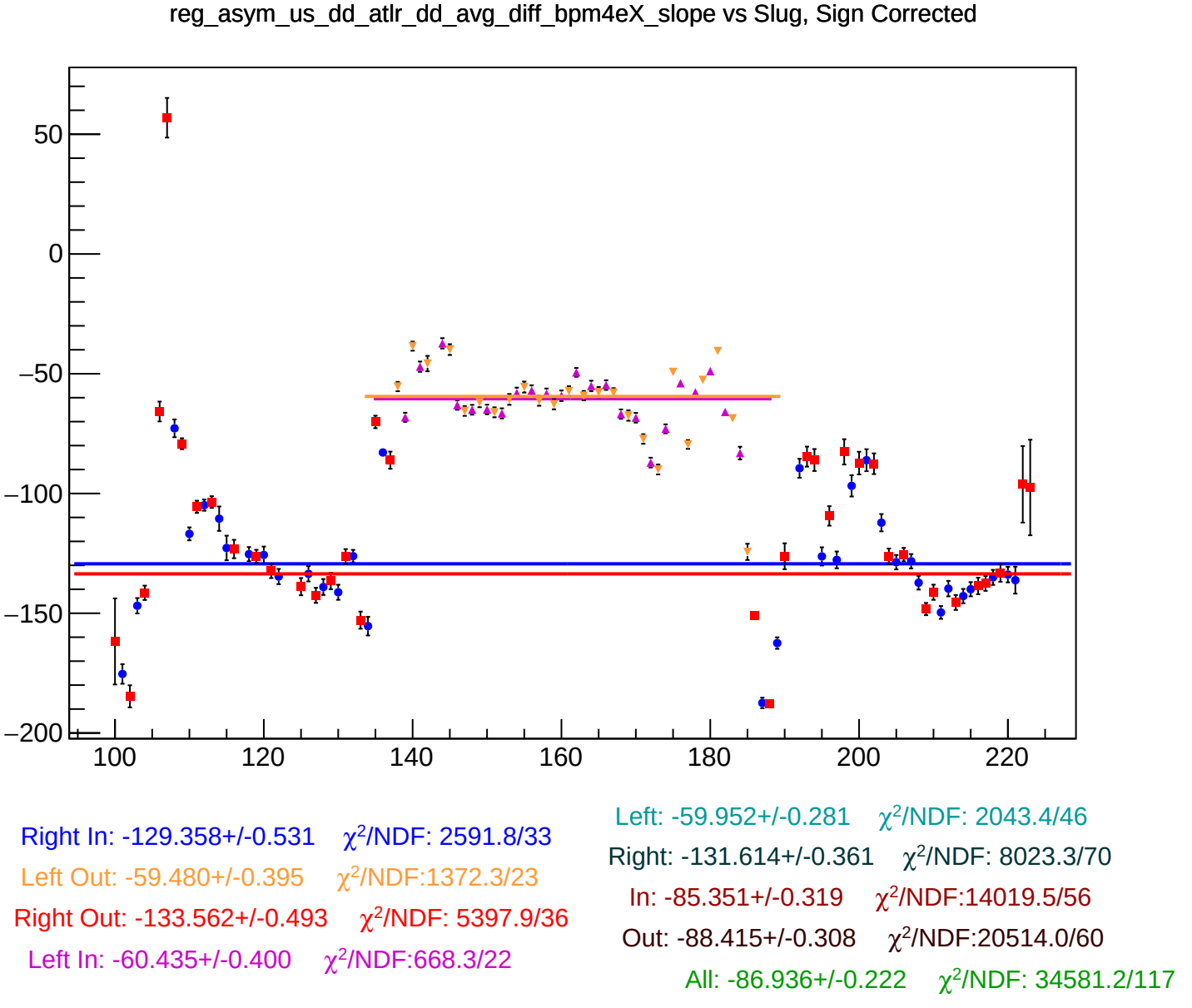
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -3.112+/-0.418 χ^2/NDF: 798.2/70

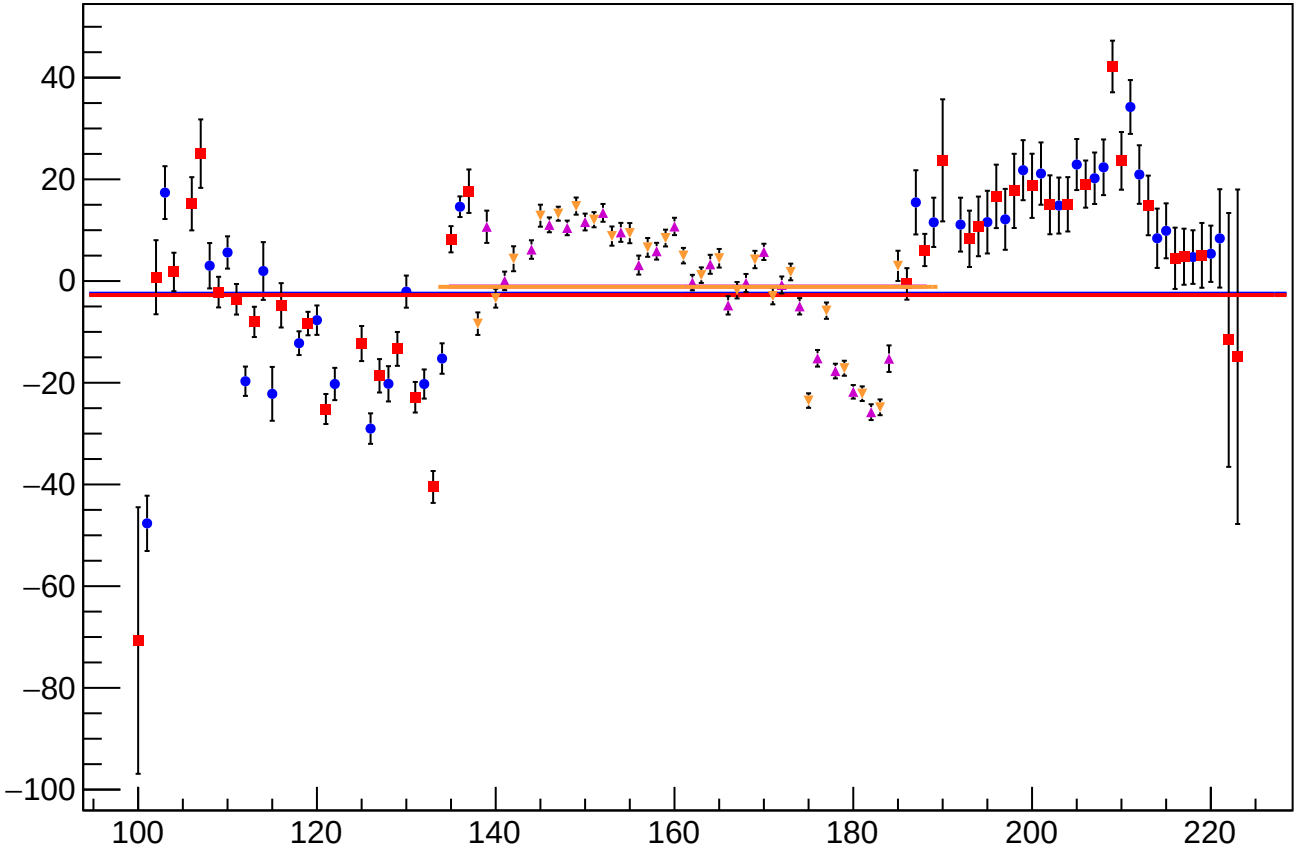
In: 3.160+/-0.277 χ^2/NDF:1267.9/56

Out: 3.095+/-0.271 χ^2/NDF:1296.2/60

All: 3.127+/-0.194 χ^2/NDF: 2564.1/117


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
220
Right In: -129.358+/-0.531 χ²/NDF: 2591.8/33
Left Out: -59.480+/-0.395 χ²/NDF:1372.3/23
Right Out: -133.562+/-0.493 χ²/NDF: 5397.9/36
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -131.614+/-0.361 χ²/NDF: 8023.3/70
In: -85.351+/-0.319 χ²/NDF:14019.5/56
Out: -88.415+/-0.308 χ²/NDF:20514.0/60
All: -86.936+/-0.222 χ²/NDF: 34581.2/117

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

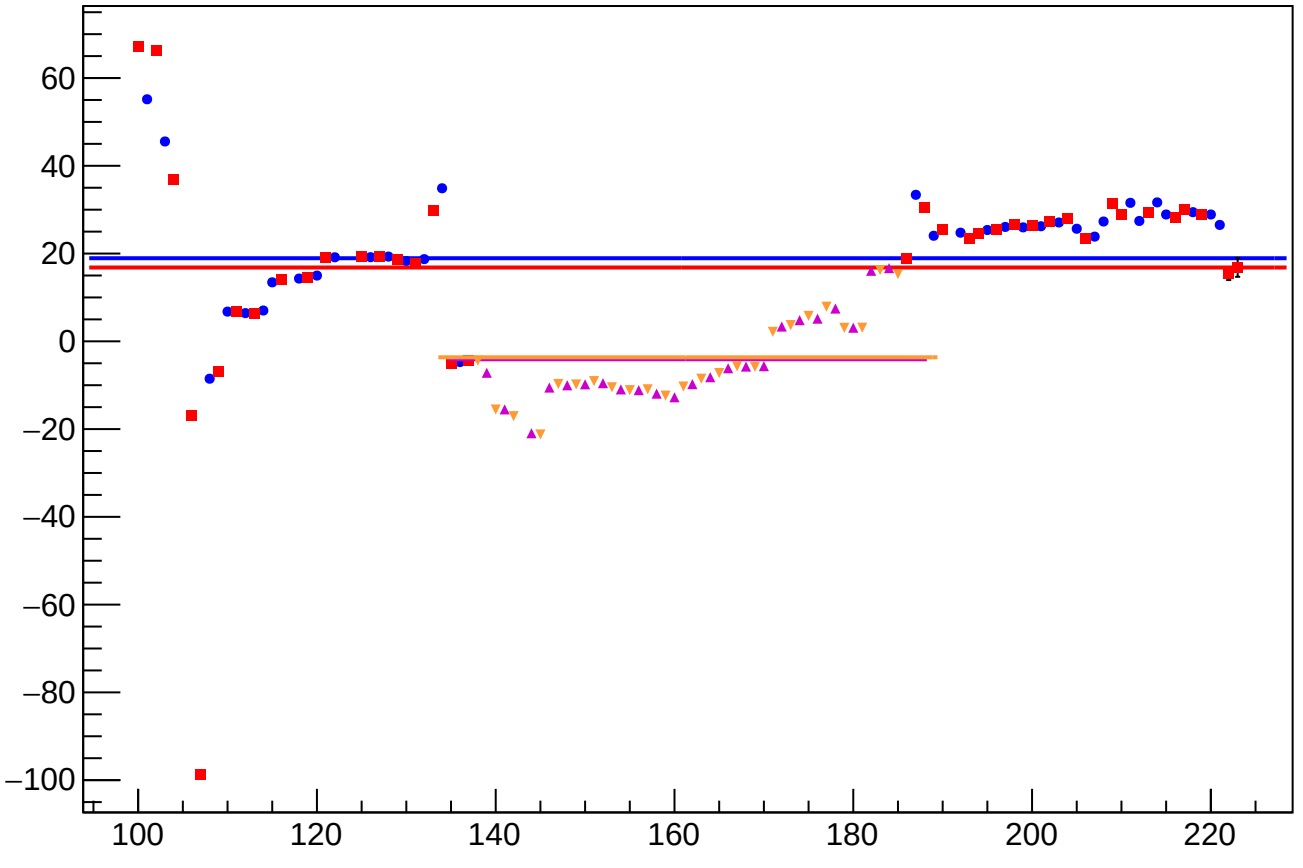
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -2.620+/-0.482 χ^2/NDF: 1230.6/70

In: -1.377+/-0.313 χ^2/NDF:1807.0/56

Out: -1.474+/-0.308 χ^2/NDF:1891.6/60

All: -1.426+/-0.219 χ^2/NDF: 3698.7/117



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

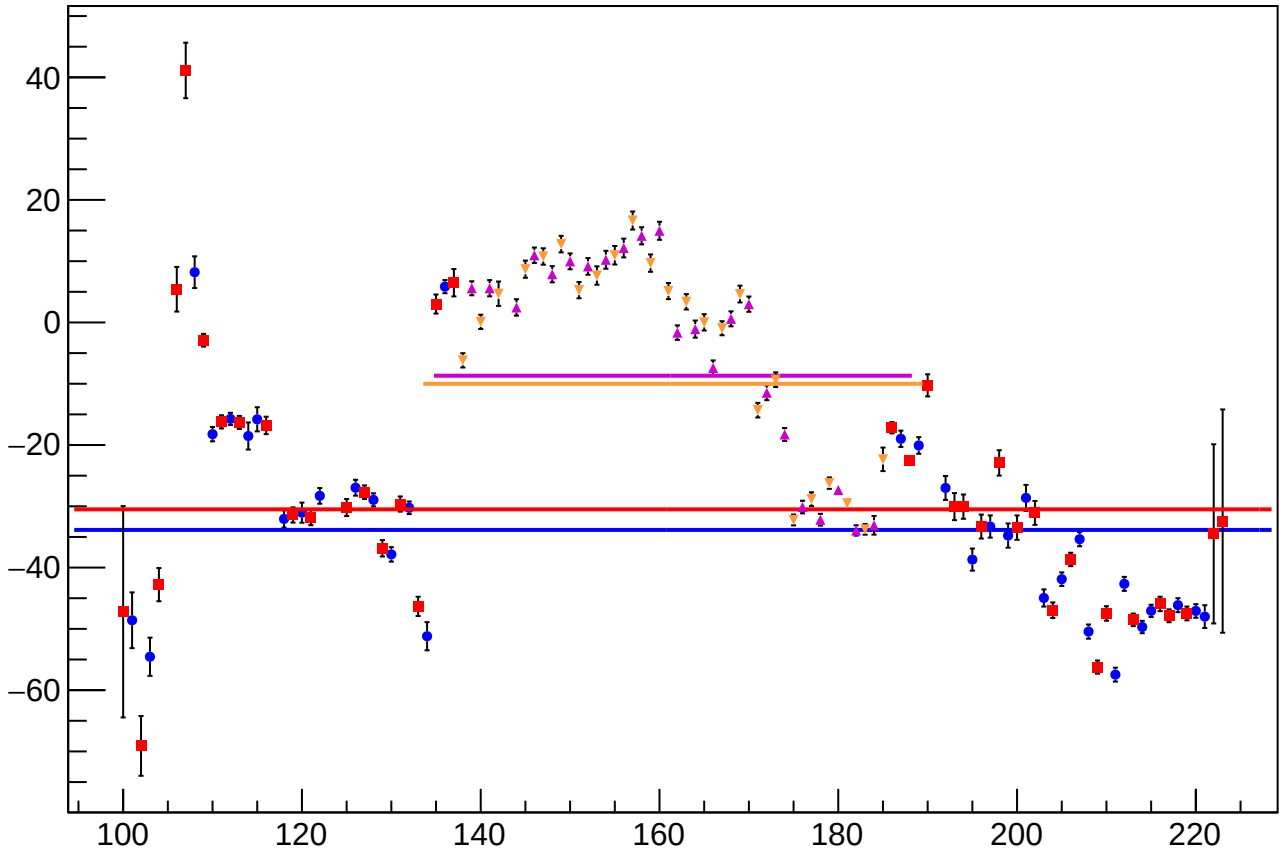
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.896+/-0.025 χ^2/NDF: 578819.9/70

In: -0.221+/-0.014 χ^2/NDF:923877.8/56

Out: -0.317+/-0.014 χ^2/NDF:986393.2/60

All: -0.269+/-0.010 χ^2/NDF: 1910294.1/117



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

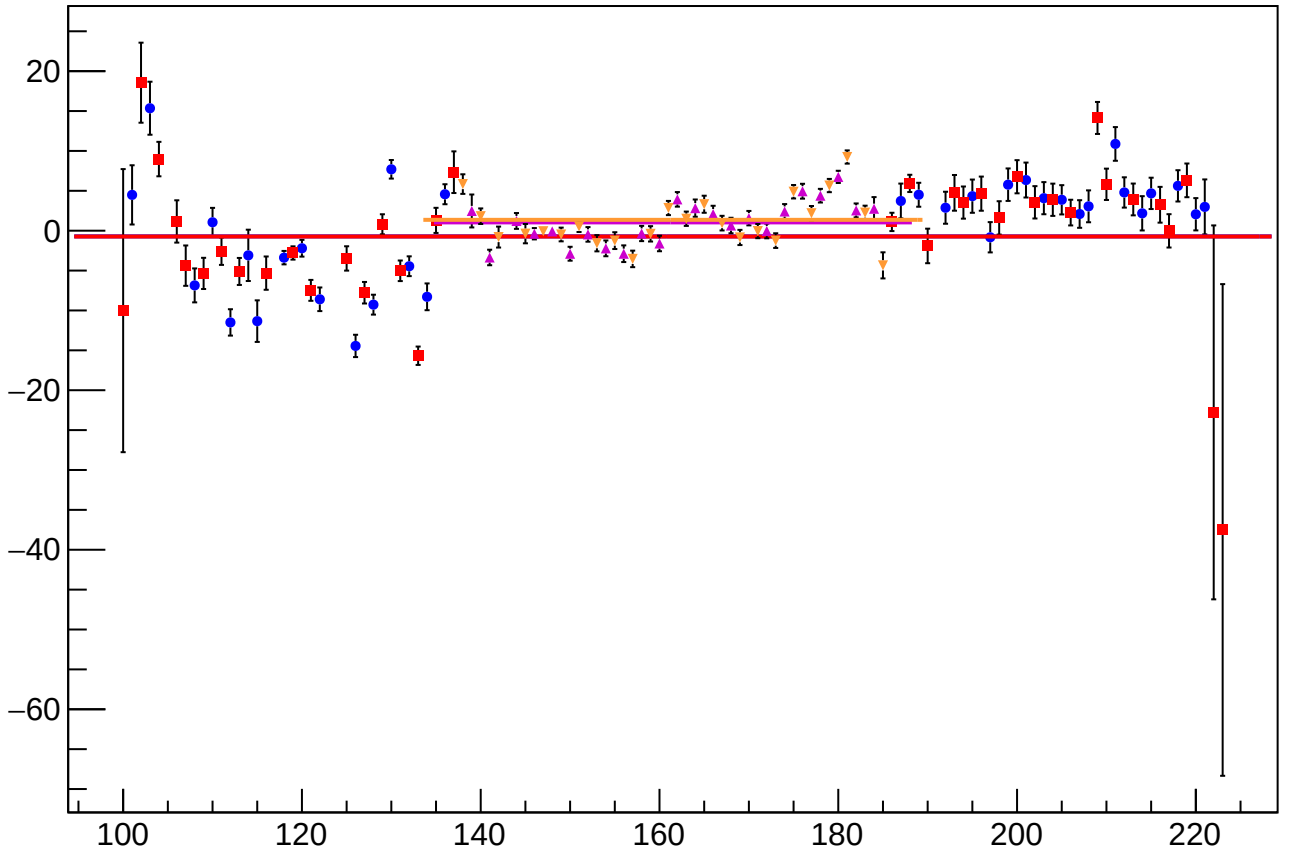
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -32.150+/-0.162 χ^2/NDF: 9291.7/70

In: -22.161+/-0.169 χ^2/NDF:14823.9/56

Out: -20.989+/-0.166 χ^2/NDF:13652.7/60

All: -21.567+/-0.119 χ^2/NDF: 28501.0/117



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

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

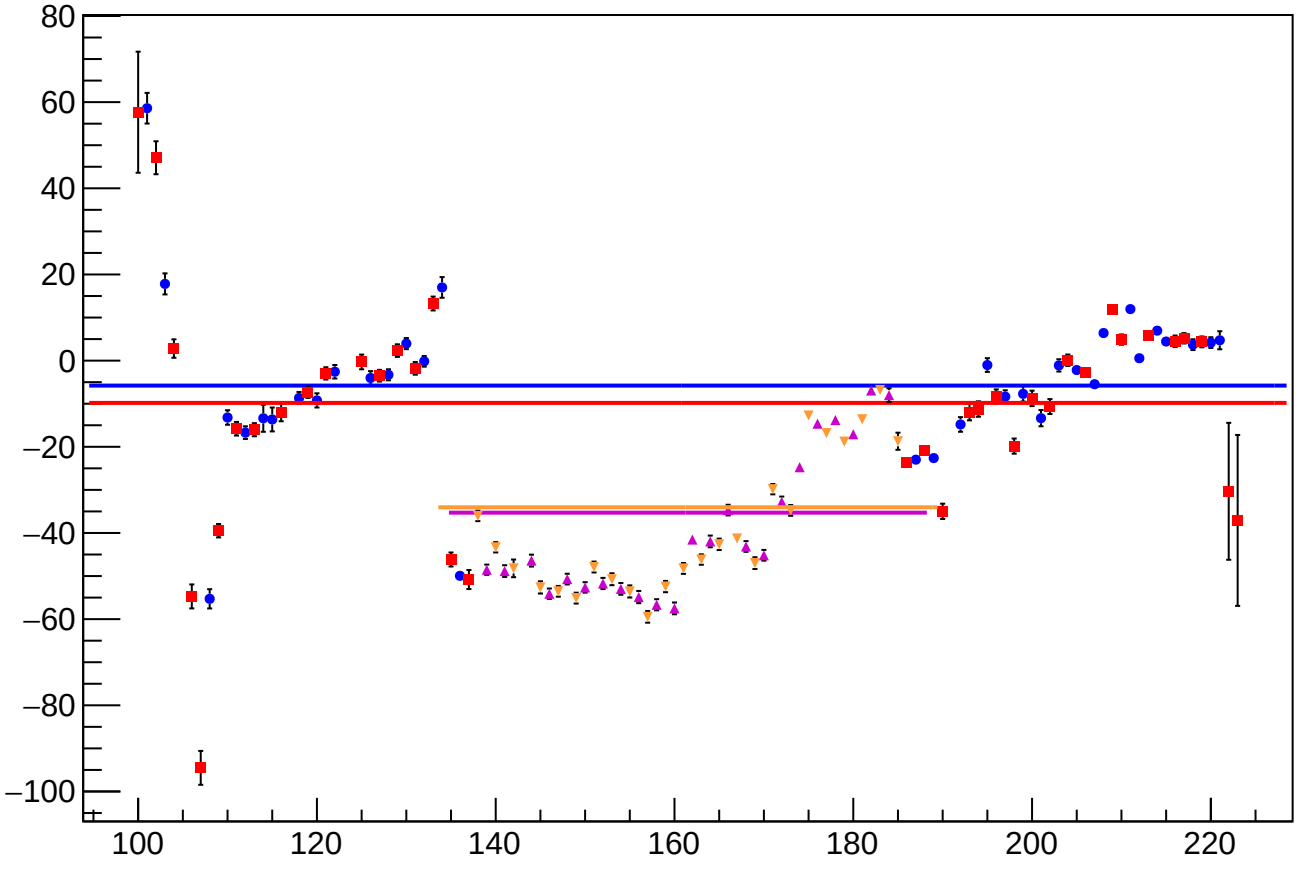
Right: -0.722+/-0.201 χ^2/NDF: 987.5/70

In: 0.497+/-0.160 χ^2/NDF:724.6/56

Out: 0.718+/-0.157 χ^2/NDF:762.9/60

All: 0.609+/-0.112 χ^2/NDF: 1488.5/117

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

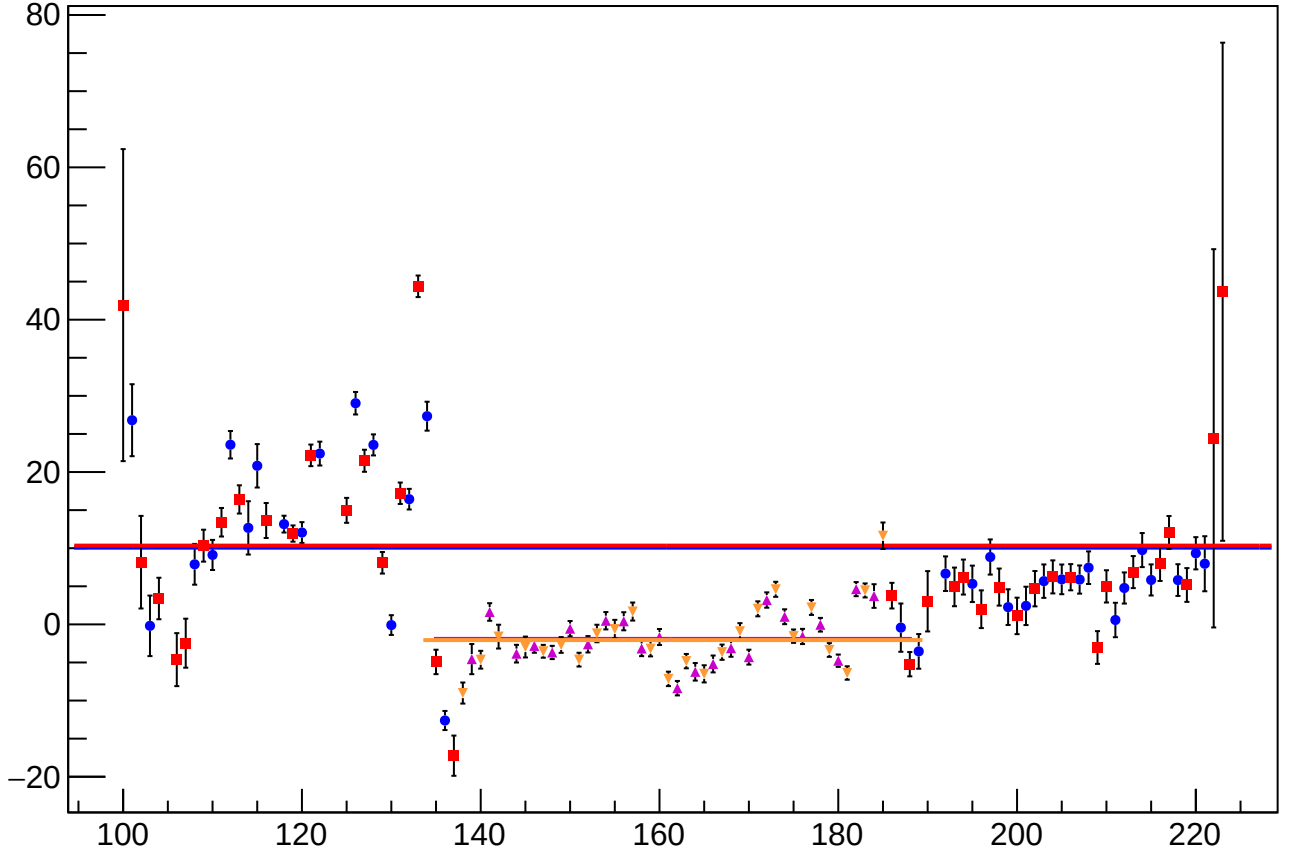
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -7.879+/-0.169 χ^2/NDF: 9041.3/70

In: -20.425+/-0.173 χ^2/NDF:16395.7/56

Out: -21.500+/-0.168 χ^2/NDF:14906.8/60

All: -20.977+/-0.121 χ^2/NDF: 31322.3/117



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

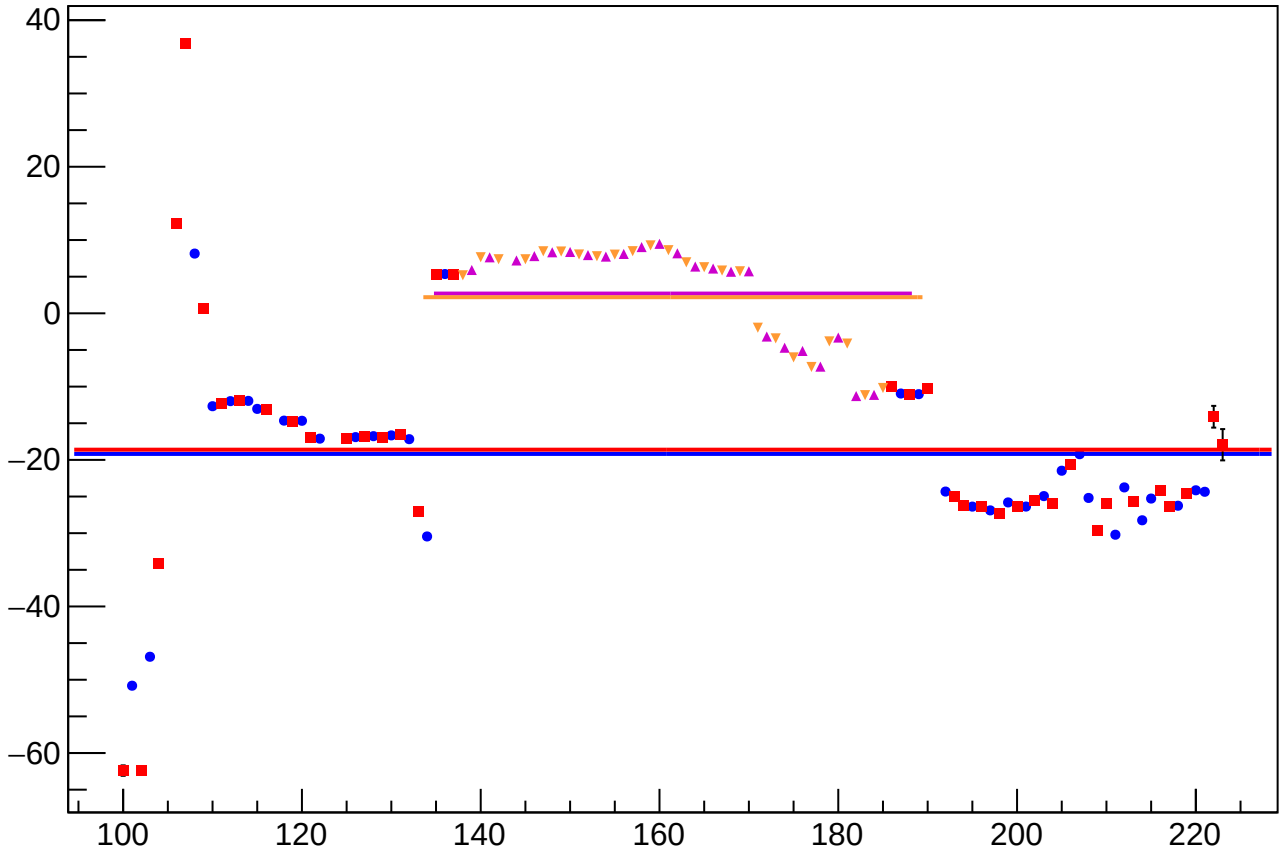
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.208+/-0.231 χ^2/NDF: 2265.4/70

In: 1.750+/-0.180 χ^2/NDF:2196.9/56

Out: 1.591+/-0.178 χ^2/NDF:2565.5/60

All: 1.670+/-0.127 χ^2/NDF: 4762.8/117



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

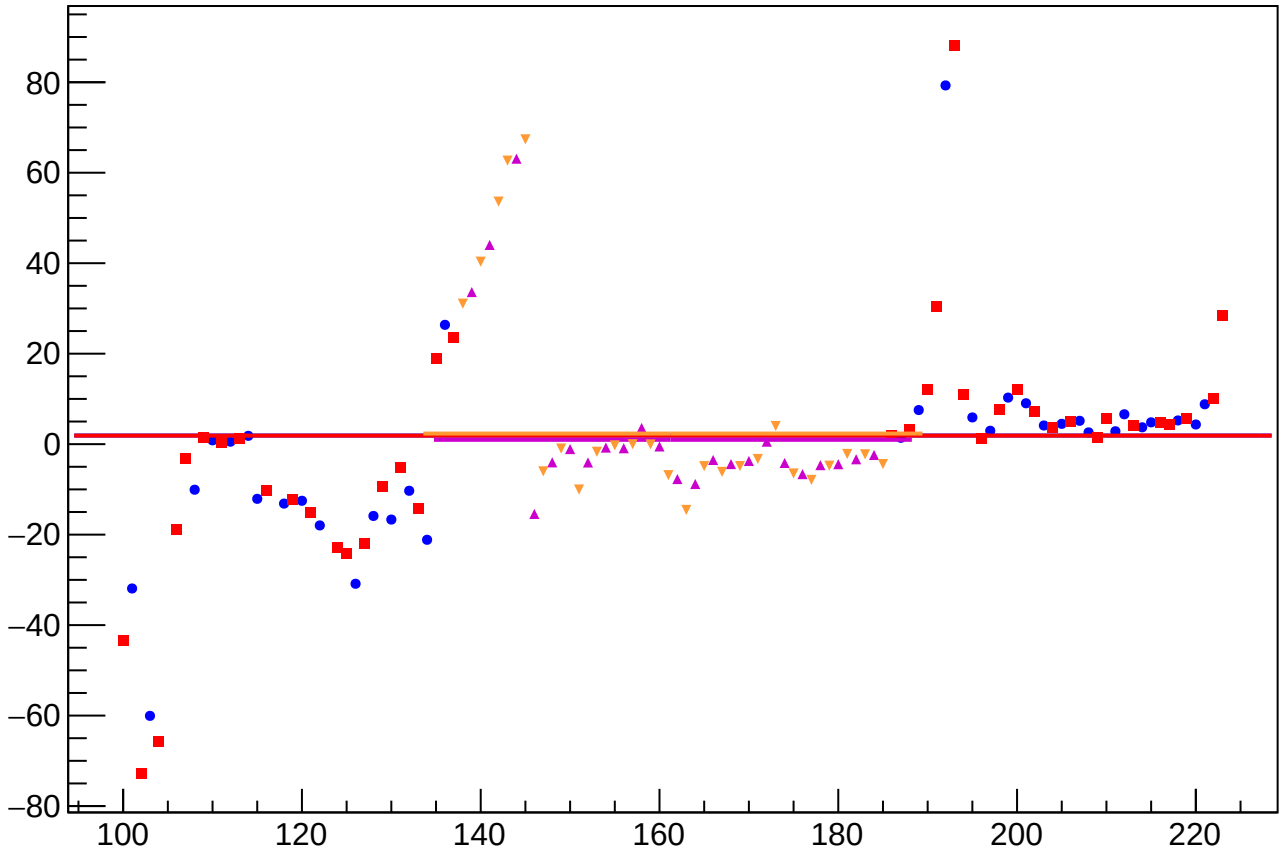
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.900+/-0.012 χ^2/NDF: 1155235.1/70

In: -2.822+/-0.008 χ^2/NDF:2358636.8/56

Out: -2.923+/-0.008 χ^2/NDF:2307682.2/60

All: -2.873+/-0.006 χ^2/NDF: 4666394.5/117



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

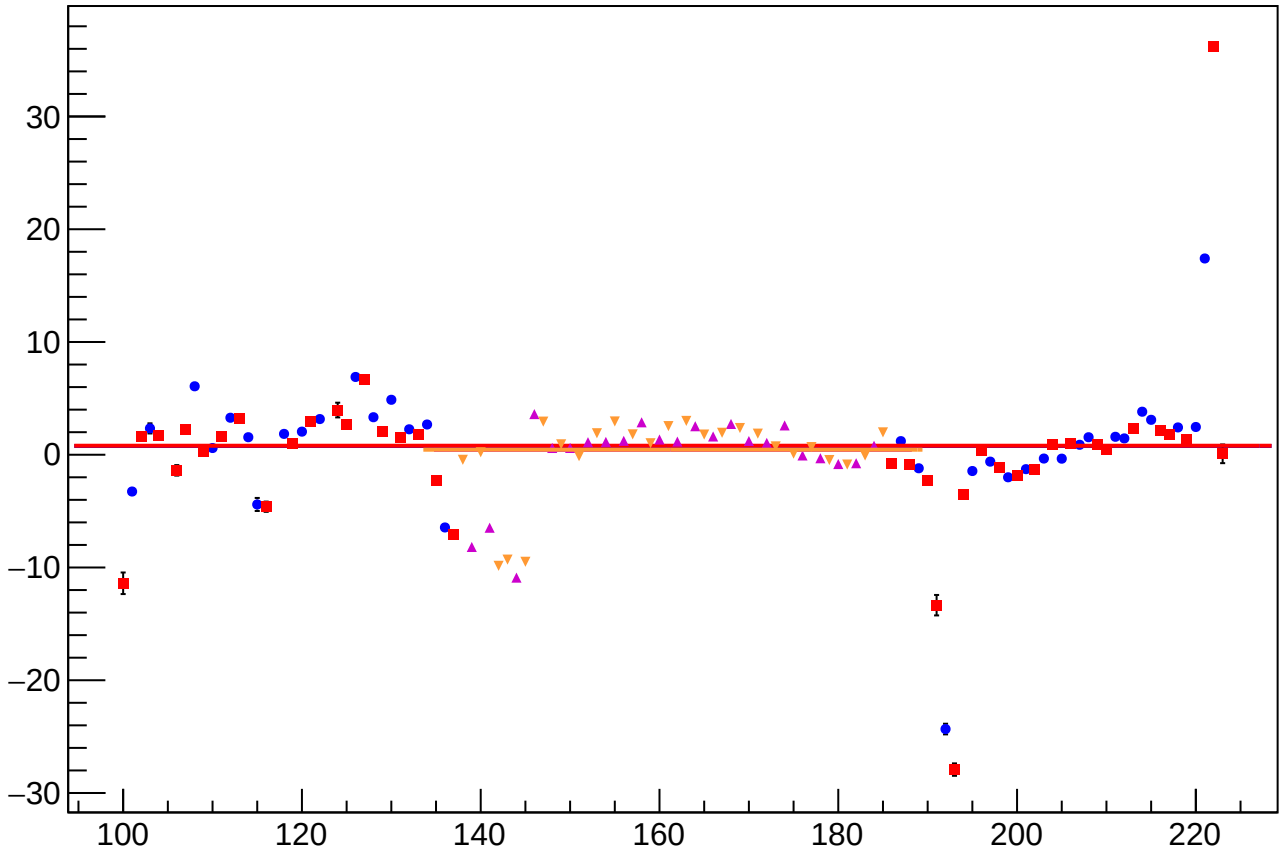
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.897+/-0.023 χ^2/NDF: 250443.7/72

In: 1.519+/-0.026 χ^2/NDF:256059.6/56

Out: 2.054+/-0.025 χ^2/NDF:304306.2/63

All: 1.798+/-0.018 χ^2/NDF: 560594.4/120



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

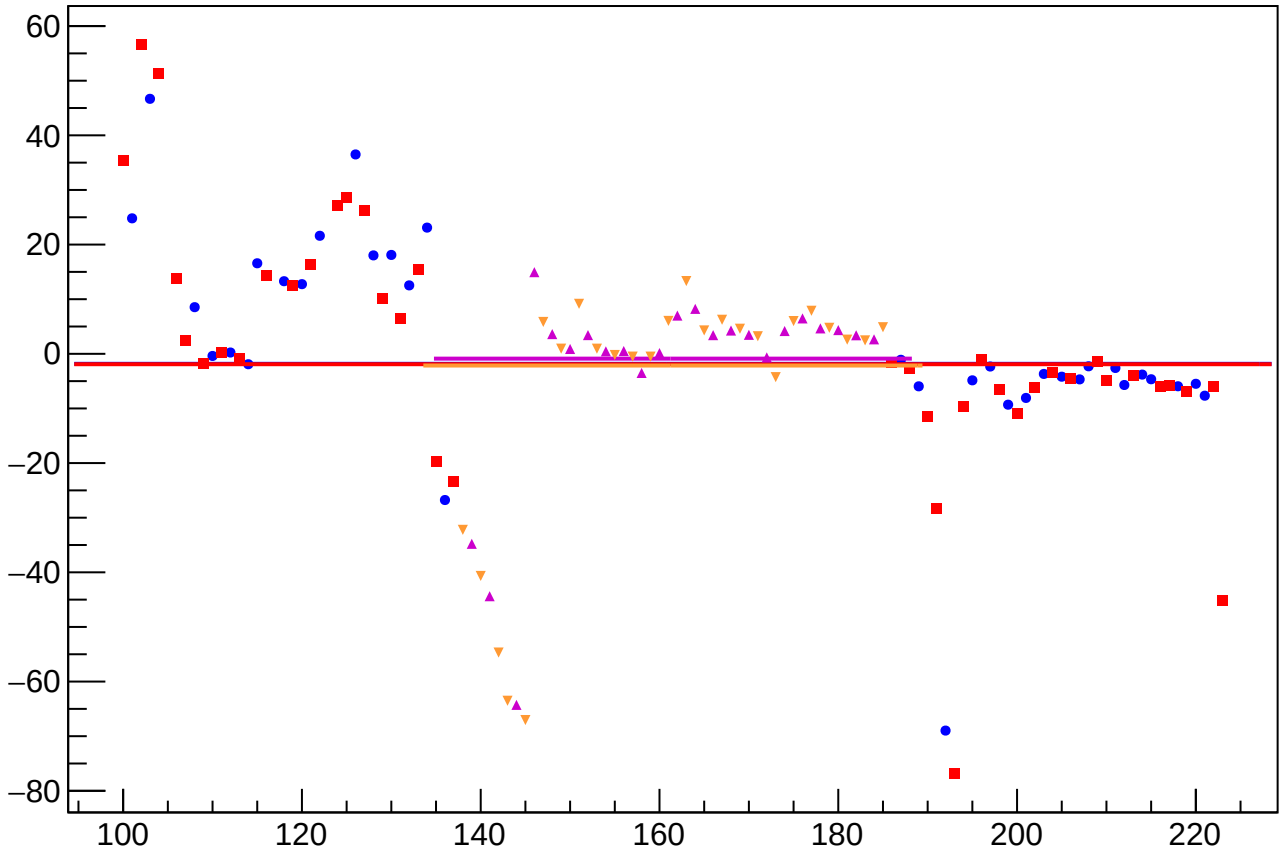
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.787+/-0.030 χ^2/NDF: 23454.9/72

In: 0.547+/-0.025 χ^2/NDF:15560.2/56

Out: 0.582+/-0.026 χ^2/NDF:22127.9/63

All: 0.564+/-0.018 χ^2/NDF: 37689.0/120



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

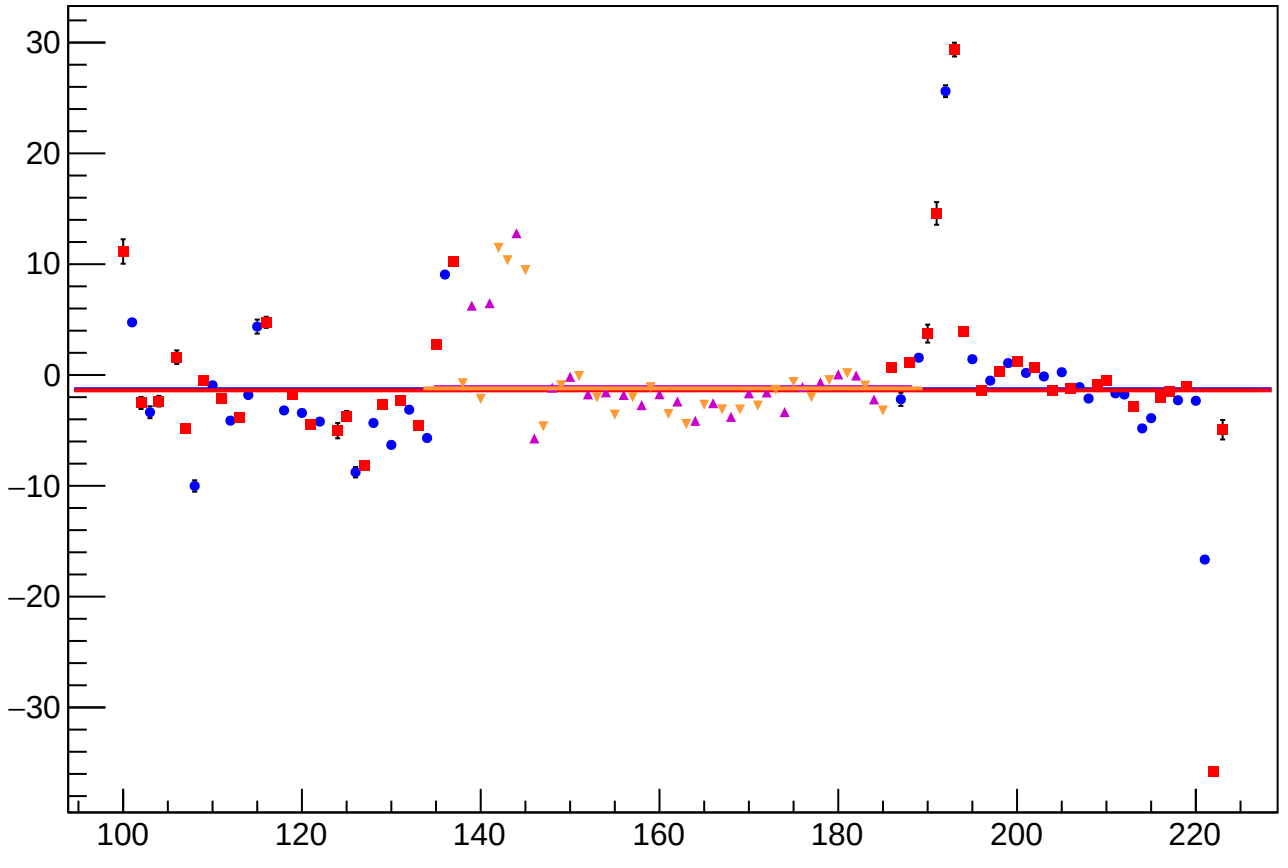
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.869+/-0.024 χ^2/NDF: 249647.6/72

In: -1.417+/-0.026 χ^2/NDF:250810.8/56

Out: -1.998+/-0.025 χ^2/NDF:299654.4/63

All: -1.714+/-0.018 χ^2/NDF: 550720.3/120



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

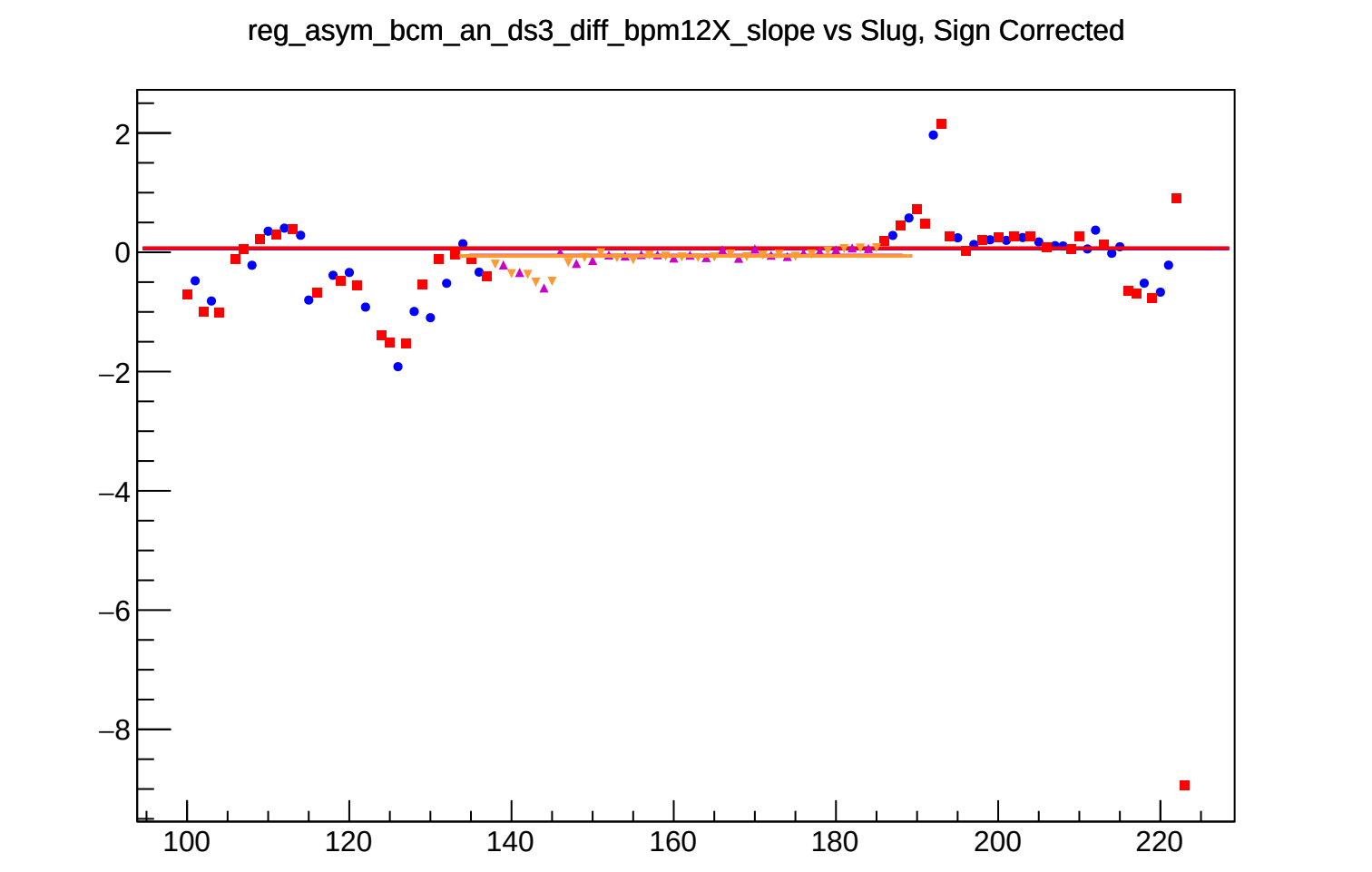
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -1.336+/-0.034 χ^2/NDF: 23305.5/72

In: -1.158+/-0.028 χ^2/NDF:16375.3/56

Out: -1.271+/-0.029 χ^2/NDF:20979.4/63

All: -1.214+/-0.020 χ^2/NDF: 37362.5/120



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

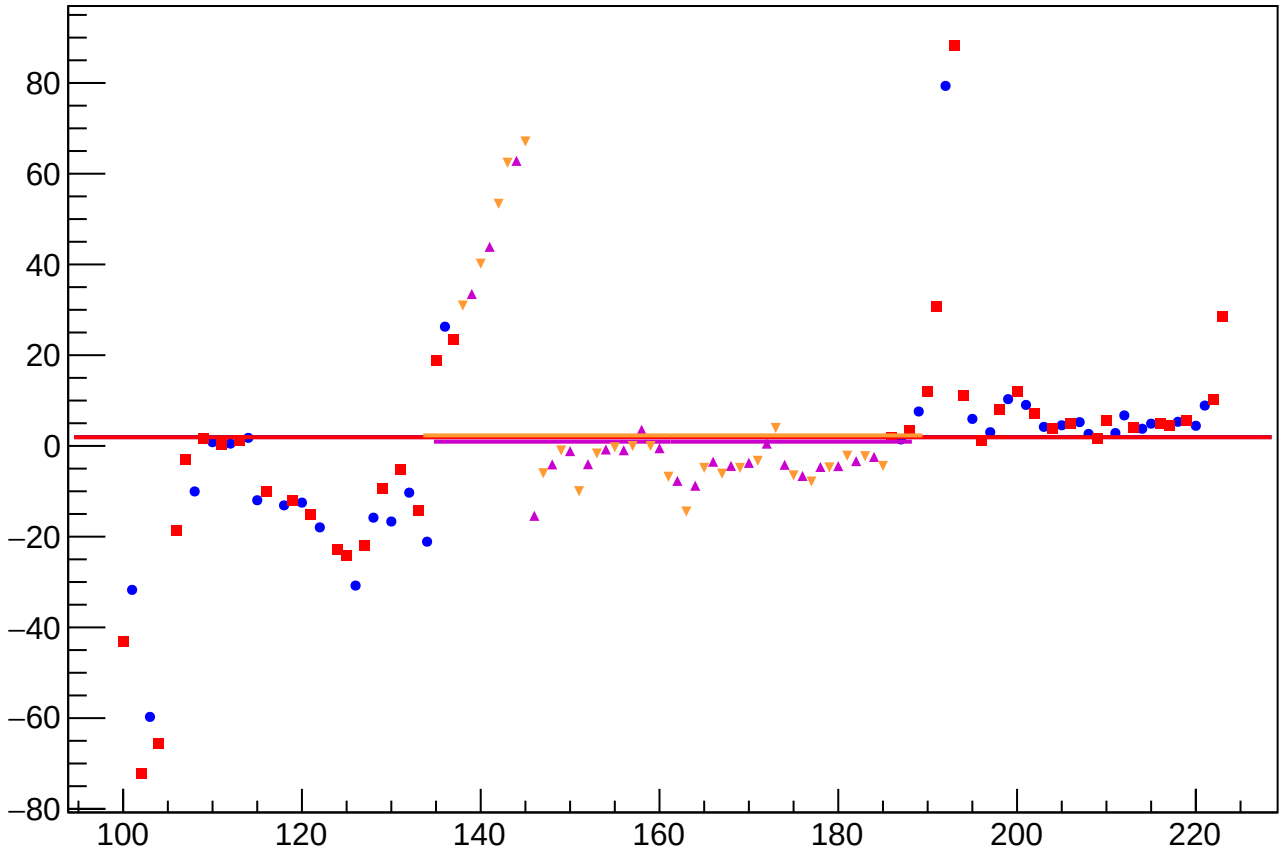
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.066+/-0.002 χ^2/NDF: 101726.3/72

In: -0.018+/-0.001 χ^2/NDF:43792.0/56

Out: -0.017+/-0.001 χ^2/NDF:72916.6/63

All: -0.017+/-0.001 χ^2/NDF: 116708.8/120



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

Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

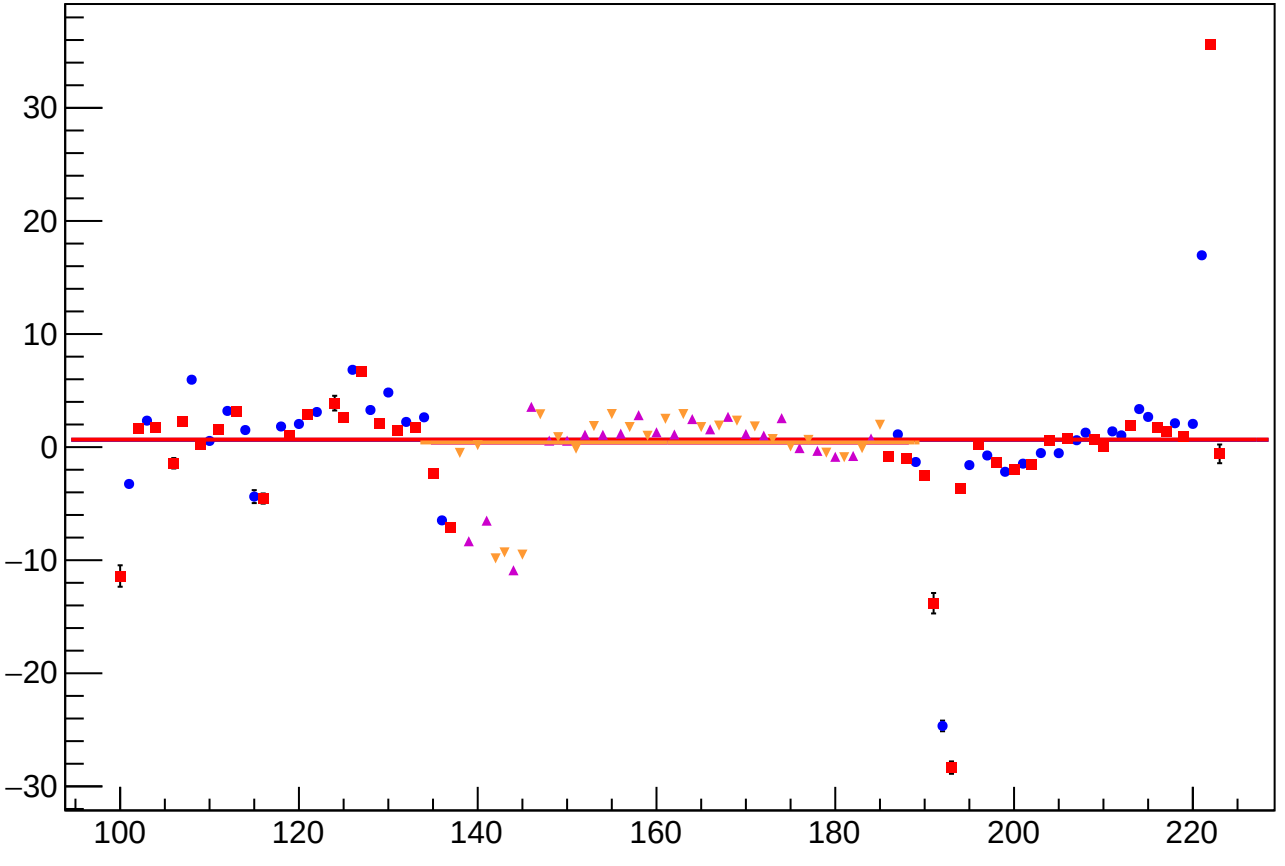
Right: 1.925+/-0.023 χ^2/NDF: 251830.4/72

In: 1.528+/-0.025 χ^2/NDF:256606.9/56

Out: 2.063+/-0.024 χ^2/NDF:304814.1/63

All: 1.807+/-0.018 χ^2/NDF: 561651.1/120

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



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

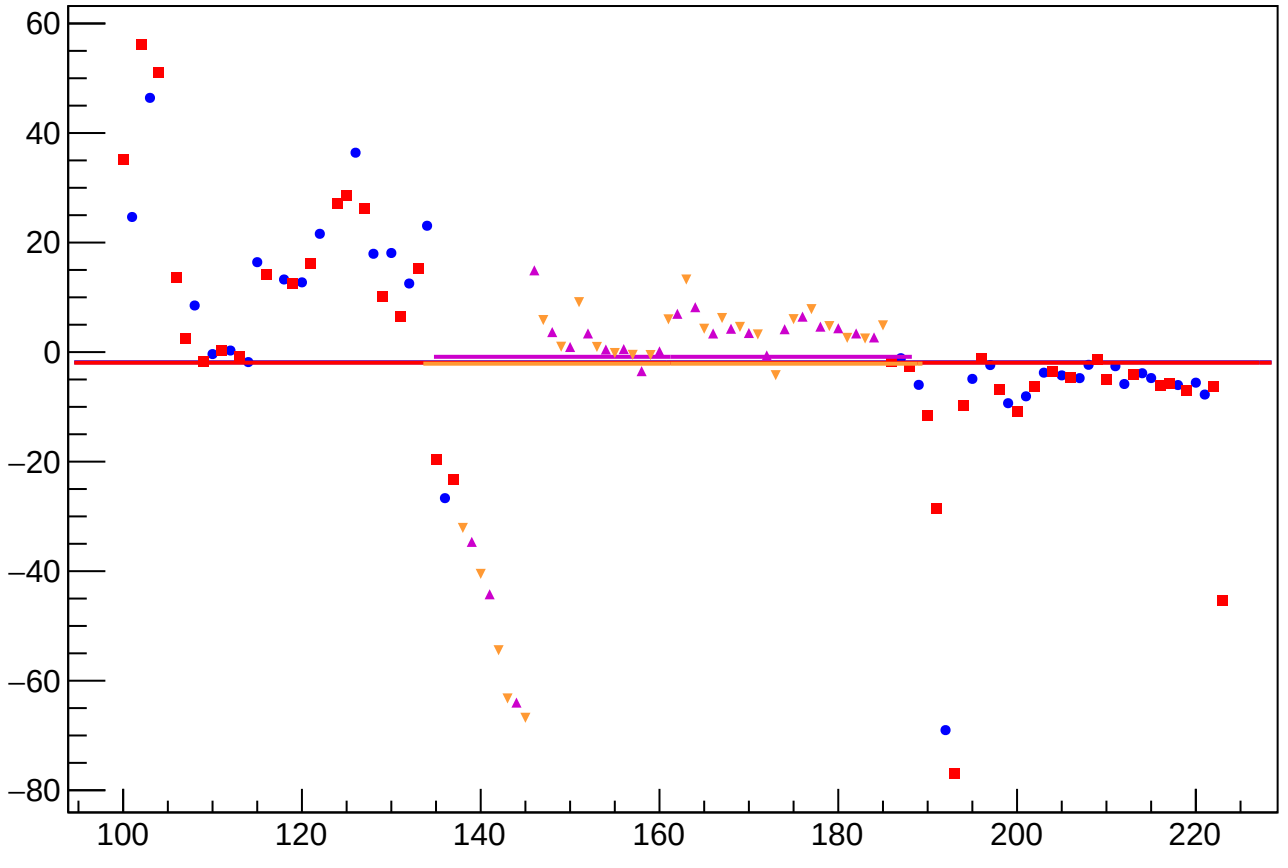
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.655+/-0.030 χ^2/NDF: 23407.8/72

In: 0.477+/-0.025 χ^2/NDF:15547.7/56

Out: 0.511+/-0.026 χ^2/NDF:22067.2/63

All: 0.494+/-0.018 χ^2/NDF: 37615.8/120



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

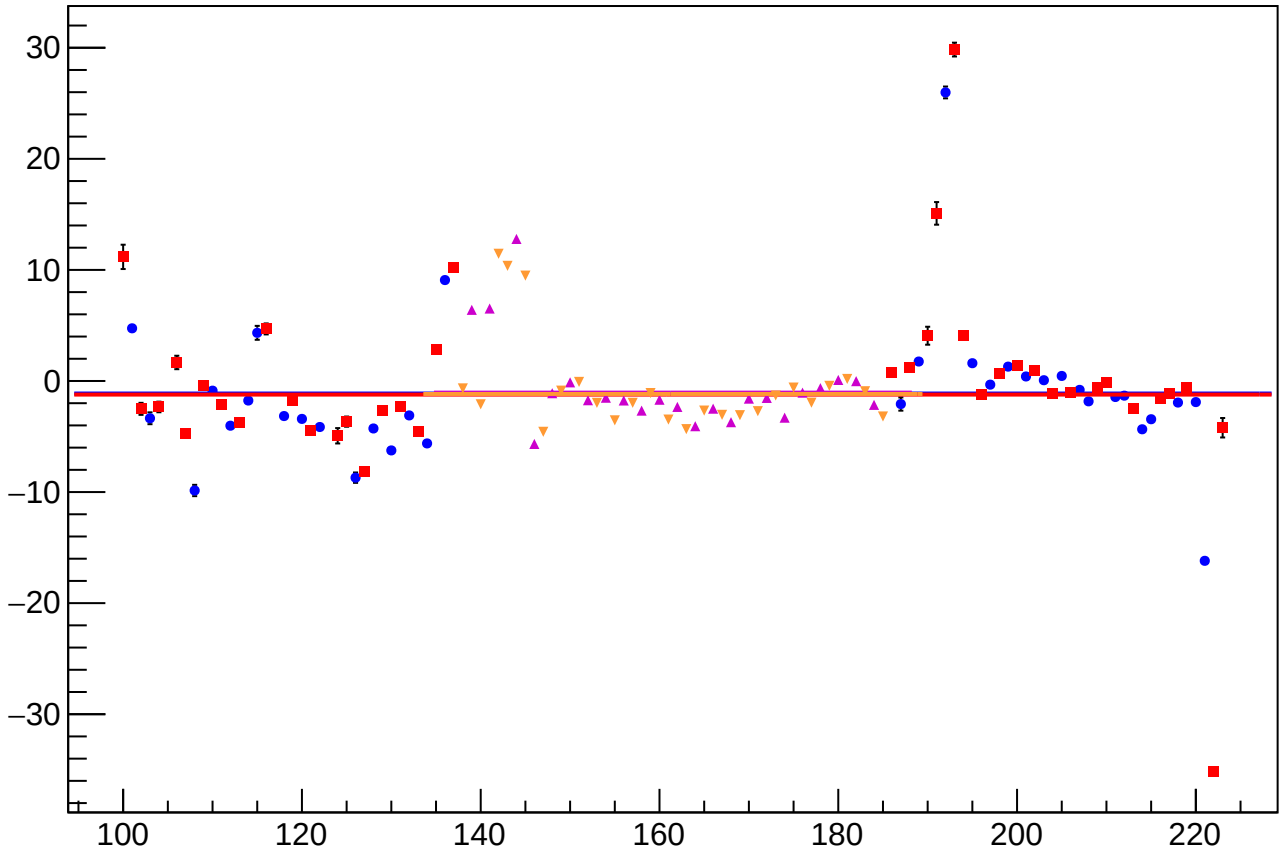
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.902+/-0.024 χ^2/NDF: 250924.0/72

In: -1.426+/-0.026 χ^2/NDF:251305.1/56

Out: -2.007+/-0.025 χ^2/NDF:300125.7/63

All: -1.724+/-0.018 χ^2/NDF: 551688.3/120



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

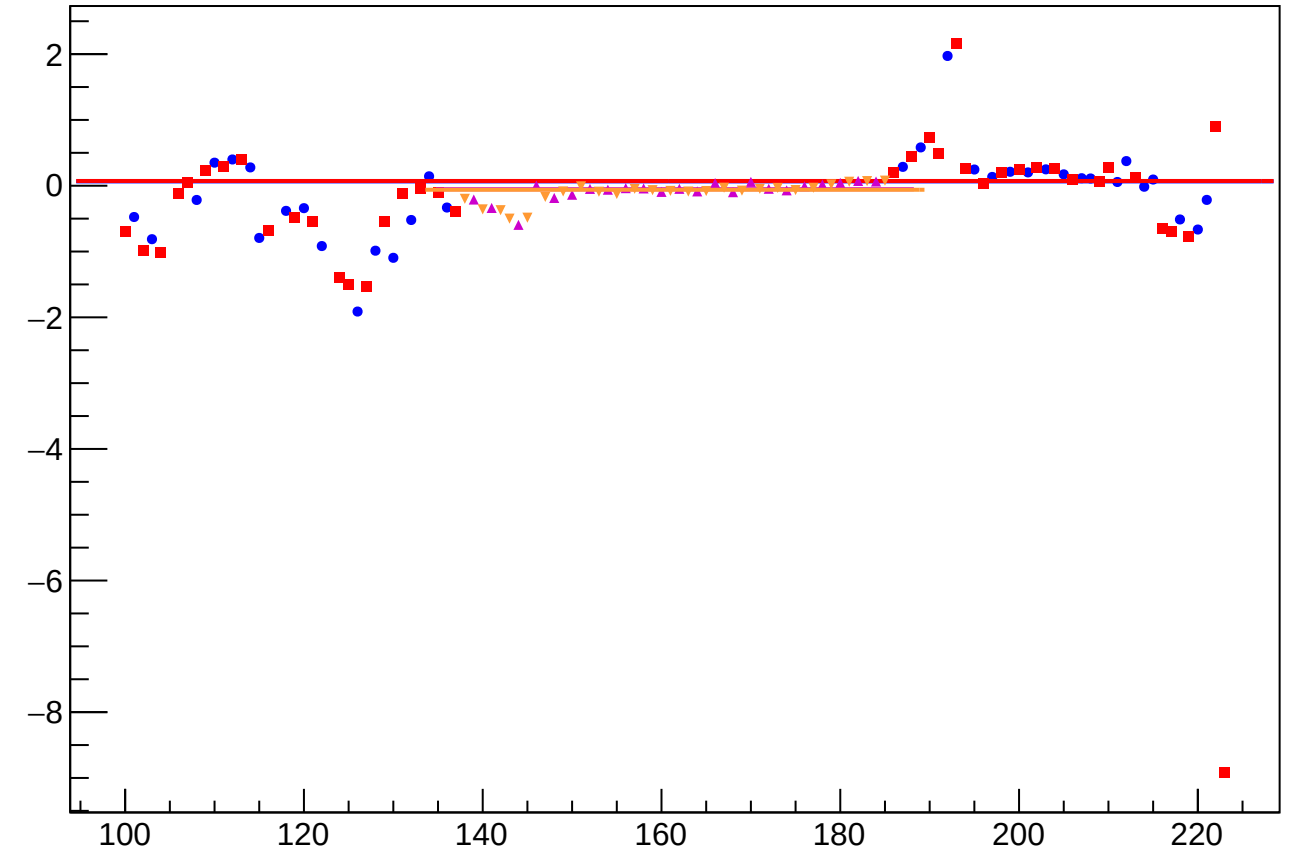
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -1.178+/-0.034 χ^2/NDF: 23289.4/72

In: -1.075+/-0.028 χ^2/NDF:16377.7/56

Out: -1.189+/-0.029 χ^2/NDF:20954.6/63

All: -1.131+/-0.020 χ^2/NDF: 37340.2/120



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

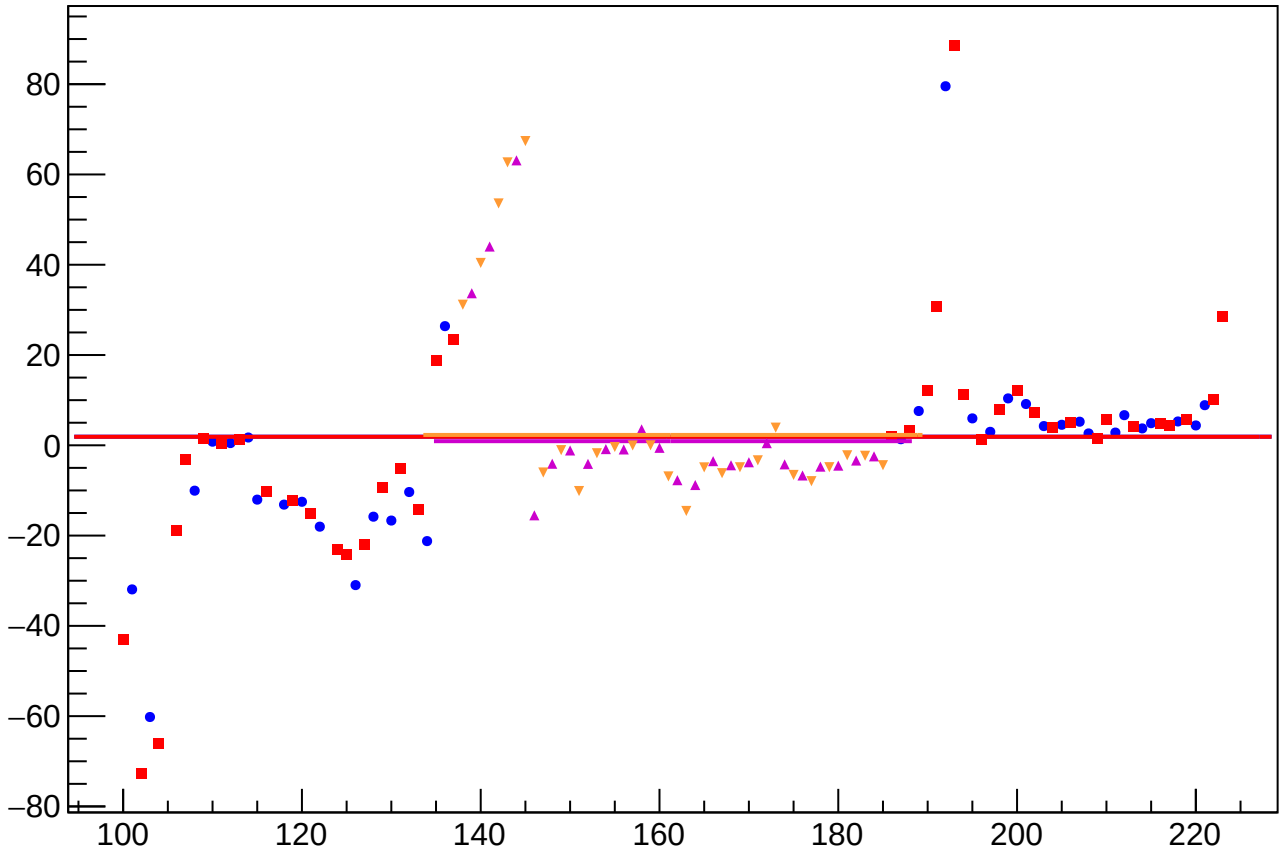
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.069+/-0.002 χ^2/NDF: 102386.8/72

In: -0.016+/-0.001 χ^2/NDF:44120.0/56

Out: -0.015+/-0.001 χ^2/NDF:73413.7/63

All: -0.016+/-0.001 χ^2/NDF: 117533.9/120



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

Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

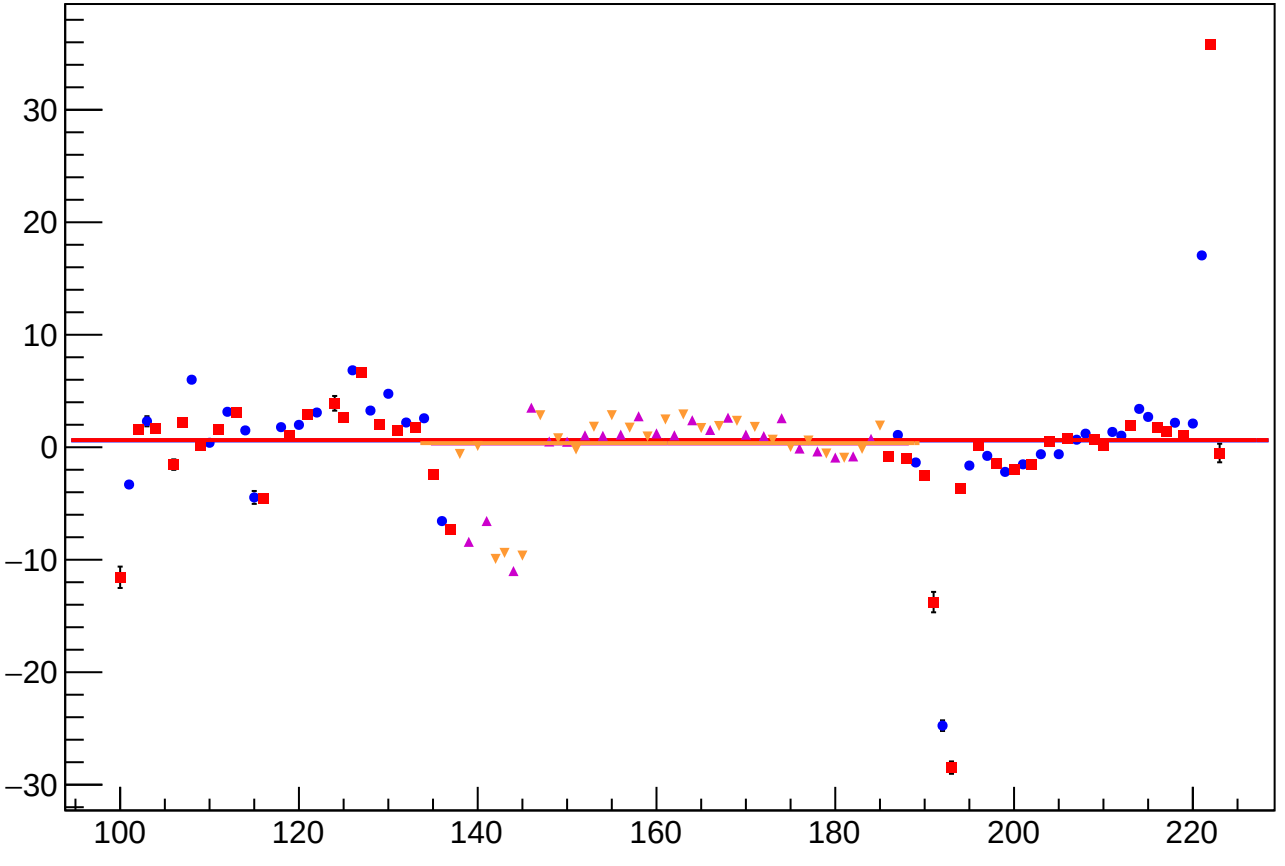
Right: 1.897+/-0.023 χ^2/NDF: 251782.9/72

In: 1.500+/-0.026 χ^2/NDF:256769.1/56

Out: 2.038+/-0.025 χ^2/NDF:305205.4/63

All: 1.781+/-0.018 χ^2/NDF: 562204.8/120

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



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

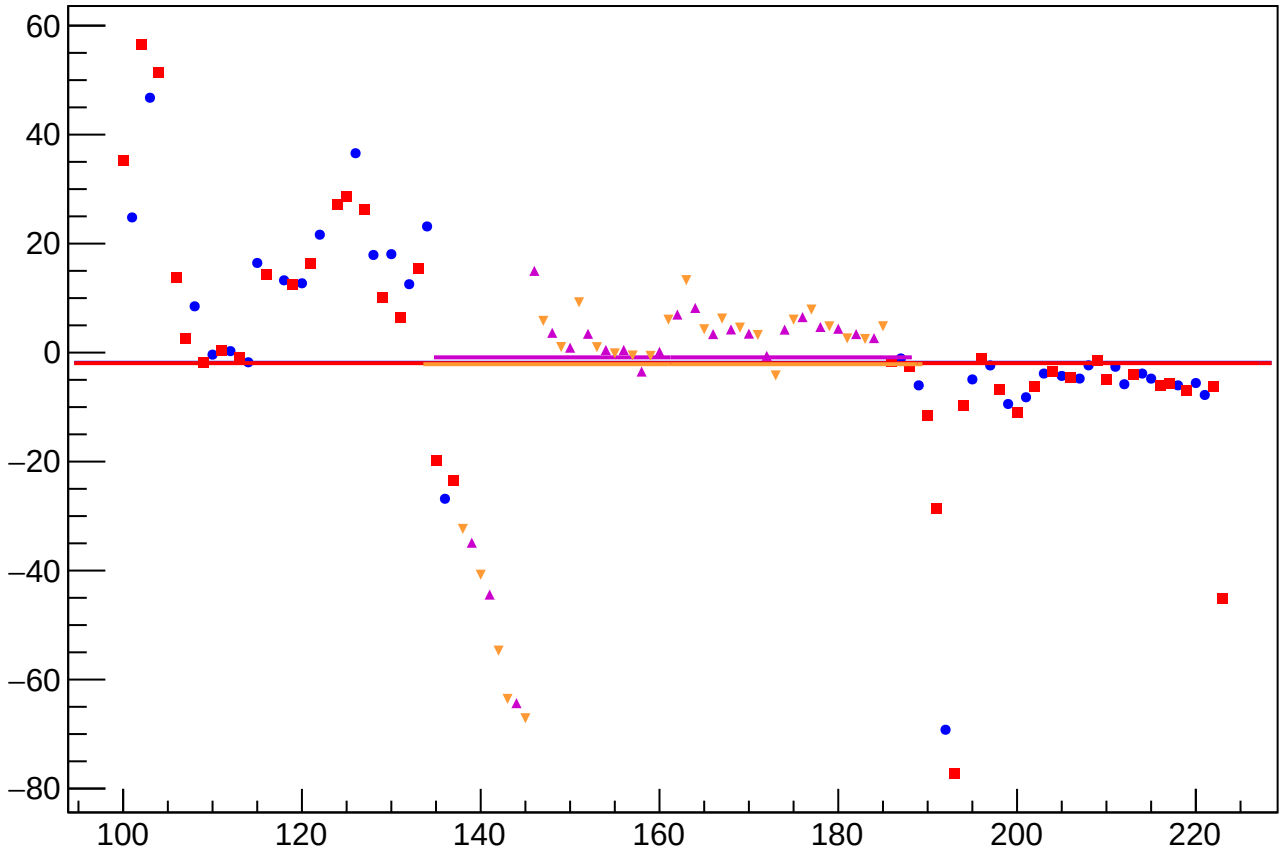
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.624+/-0.030 χ^2/NDF: 23446.8/72

In: 0.430+/-0.025 χ^2/NDF:15543.8/56

Out: 0.472+/-0.026 χ^2/NDF:22117.0/63

All: 0.451+/-0.018 χ^2/NDF: 37662.1/120



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

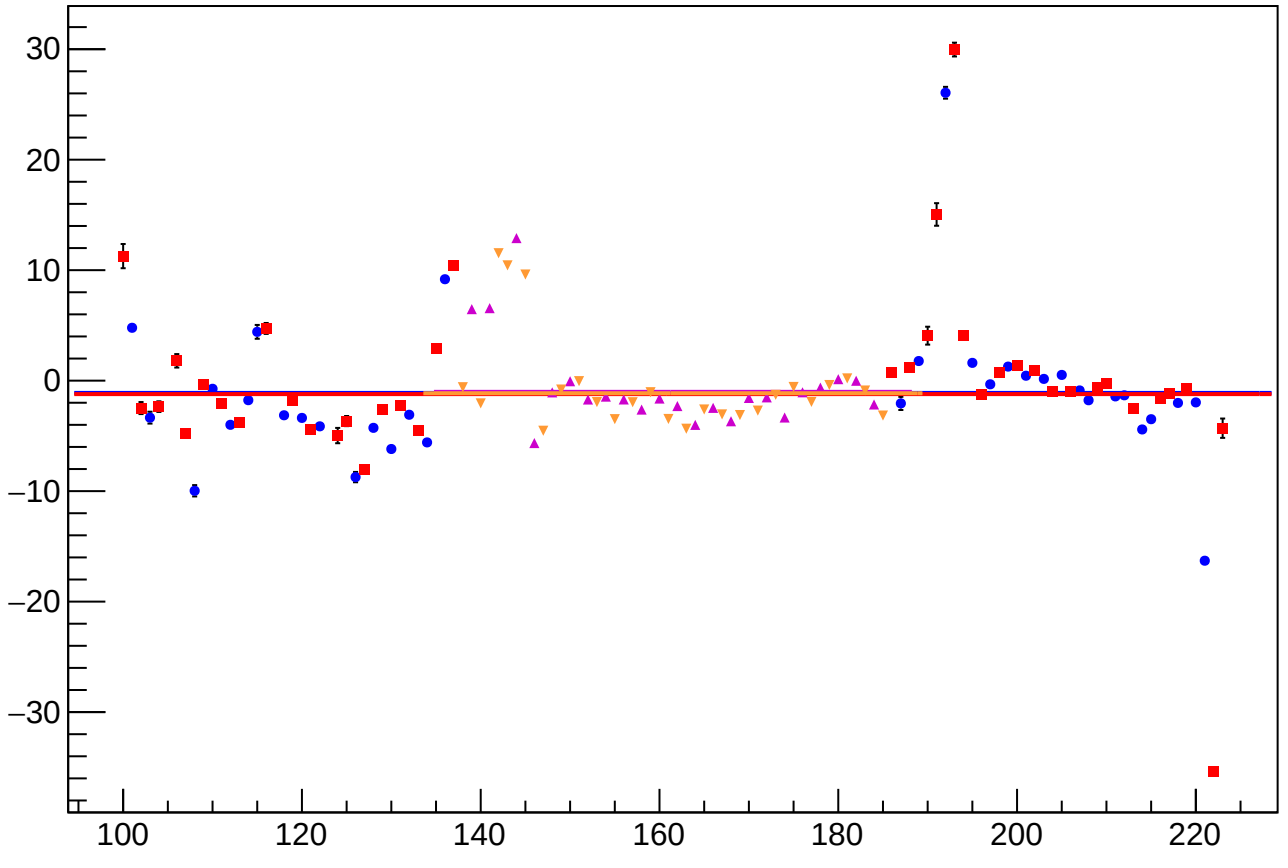
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.904+/-0.024 χ^2/NDF: 250932.3/72

In: -1.432+/-0.026 χ^2/NDF:251498.8/56

Out: -2.014+/-0.025 χ^2/NDF:300536.7/63

All: -1.730+/-0.018 χ^2/NDF: 552291.1/120



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

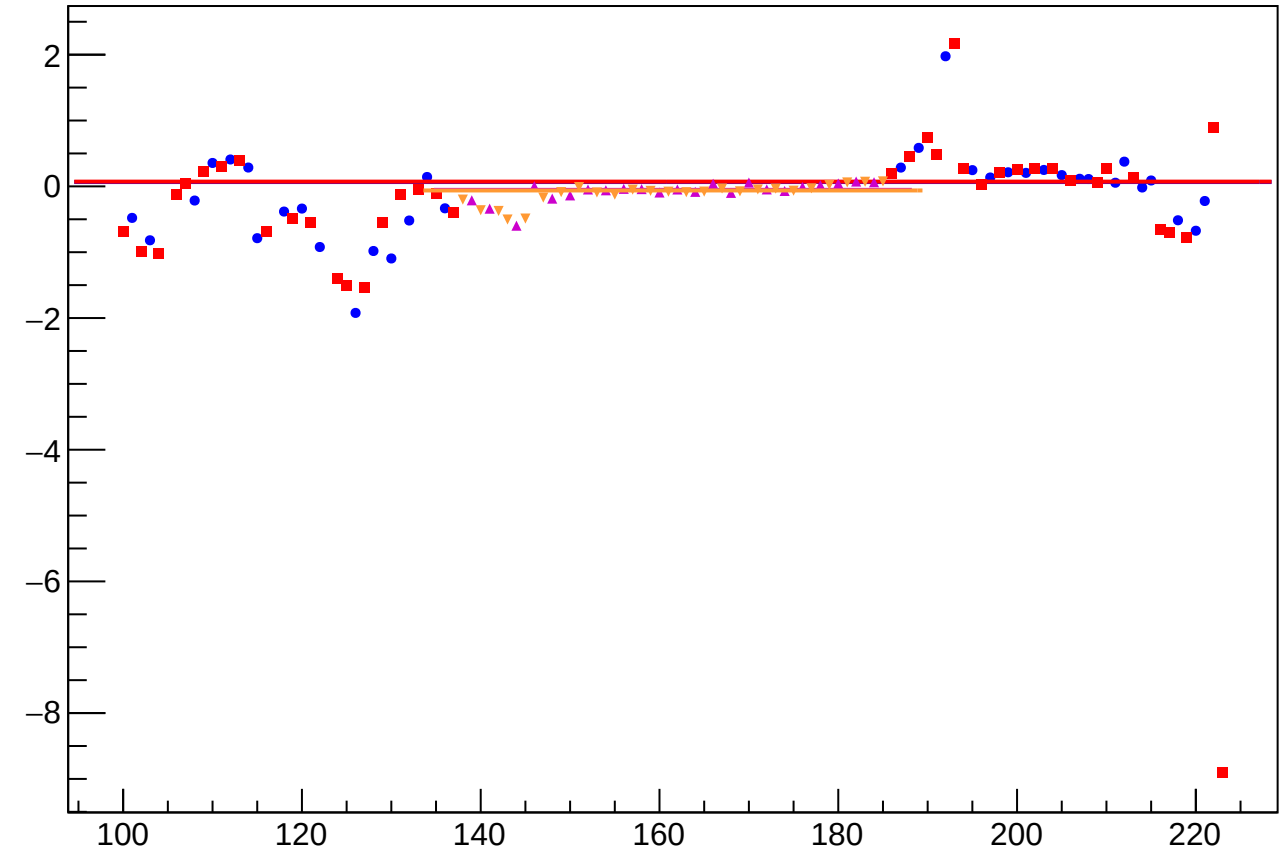
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -1.166+/-0.034 χ^2/NDF: 23339.8/72

In: -1.045+/-0.028 χ^2/NDF:16382.5/56

Out: -1.169+/-0.029 χ^2/NDF:21009.3/63

All: -1.106+/-0.020 χ^2/NDF: 37401.0/120



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

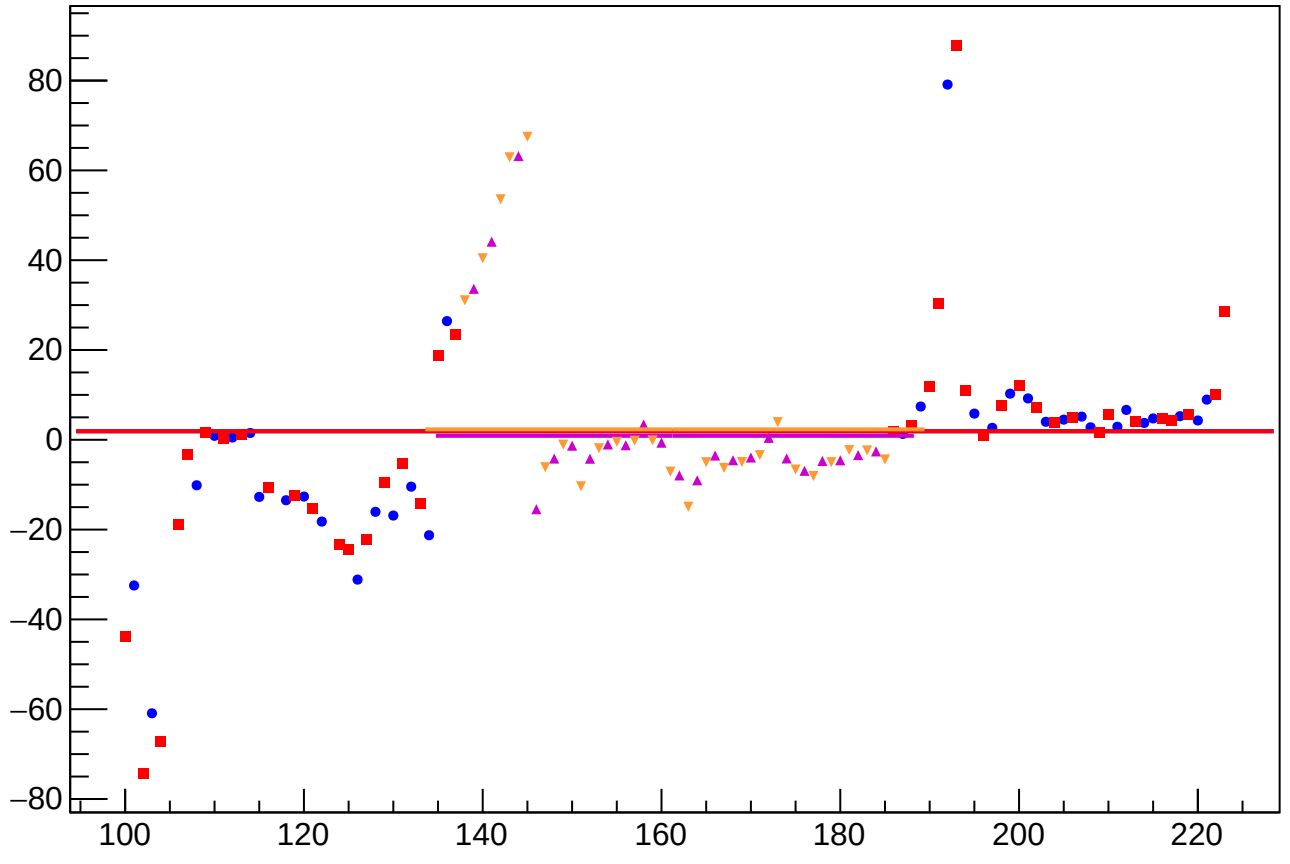
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.069+/-0.002 χ^2/NDF: 102298.2/72

In: -0.017+/-0.001 χ^2/NDF:44089.7/56

Out: -0.016+/-0.001 χ^2/NDF:73326.0/63

All: -0.016+/-0.001 χ^2/NDF: 117415.8/120



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

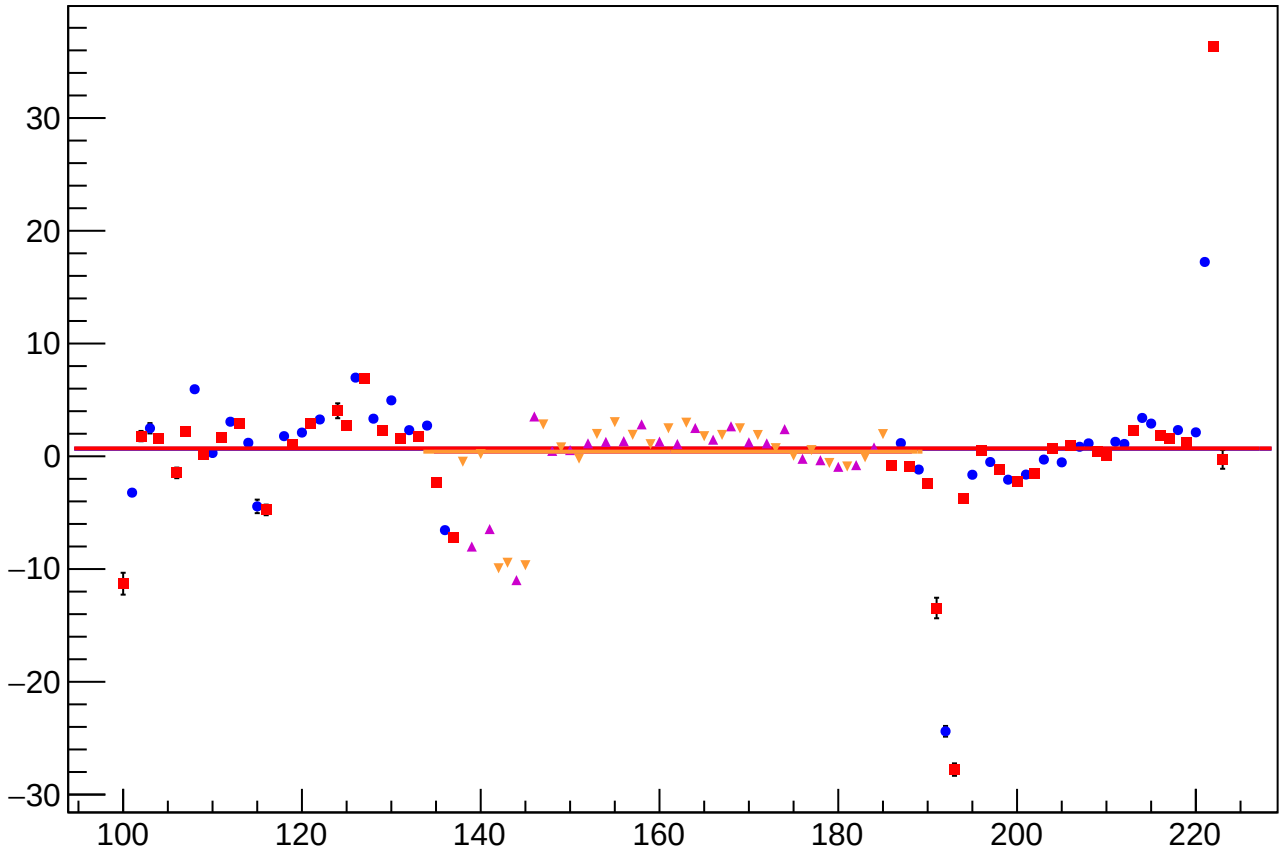
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 1.896+/-0.023 χ^2/NDF: 248135.9/72

In: 1.491+/-0.026 χ^2/NDF:252697.1/56

Out: 2.051+/-0.025 χ^2/NDF:300945.7/63

All: 1.783+/-0.018 χ^2/NDF: 553885.0/120



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

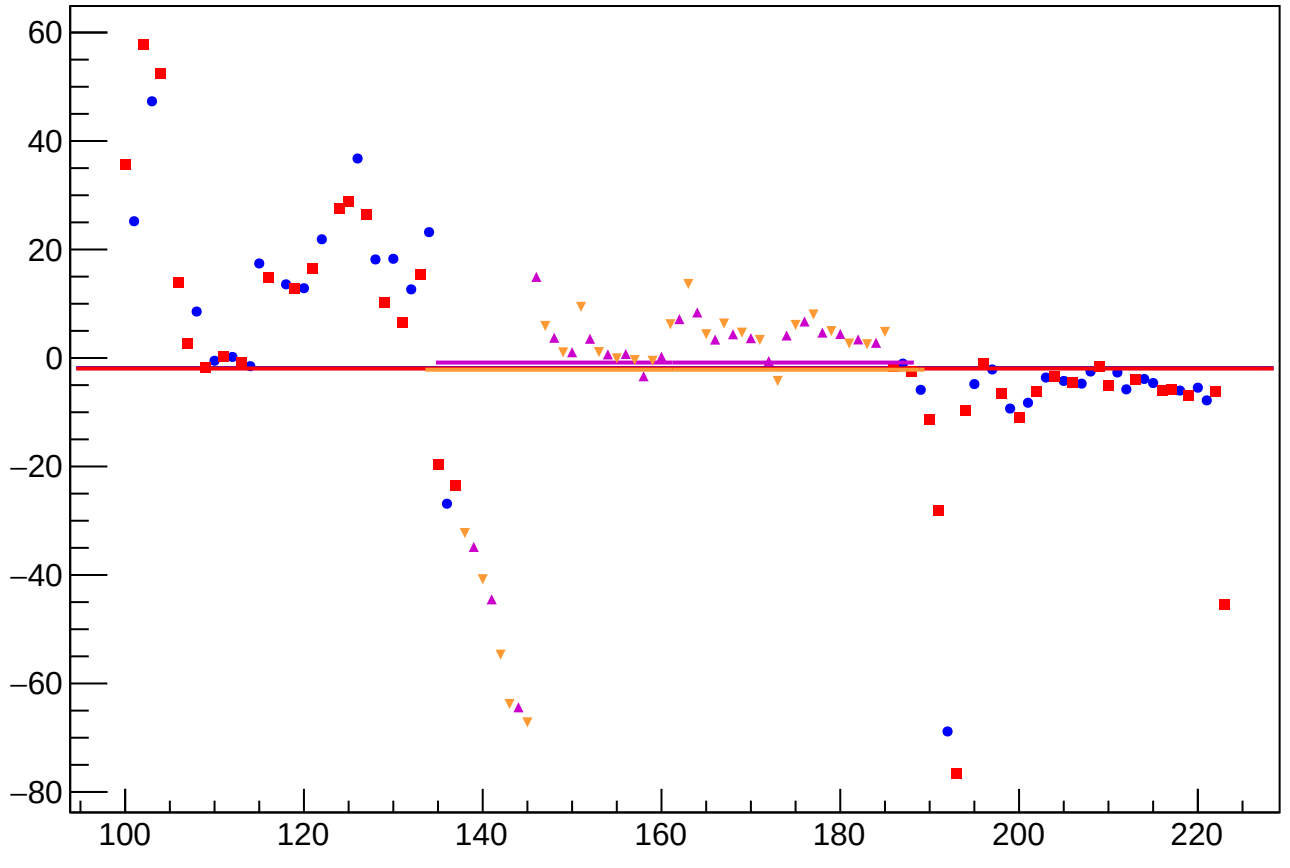
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.685+/-0.030 χ^2/NDF: 23160.2/72

In: 0.491+/-0.026 χ^2/NDF:15206.3/56

Out: 0.522+/-0.026 χ^2/NDF:21987.8/63

All: 0.507+/-0.018 χ^2/NDF: 37194.8/120



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

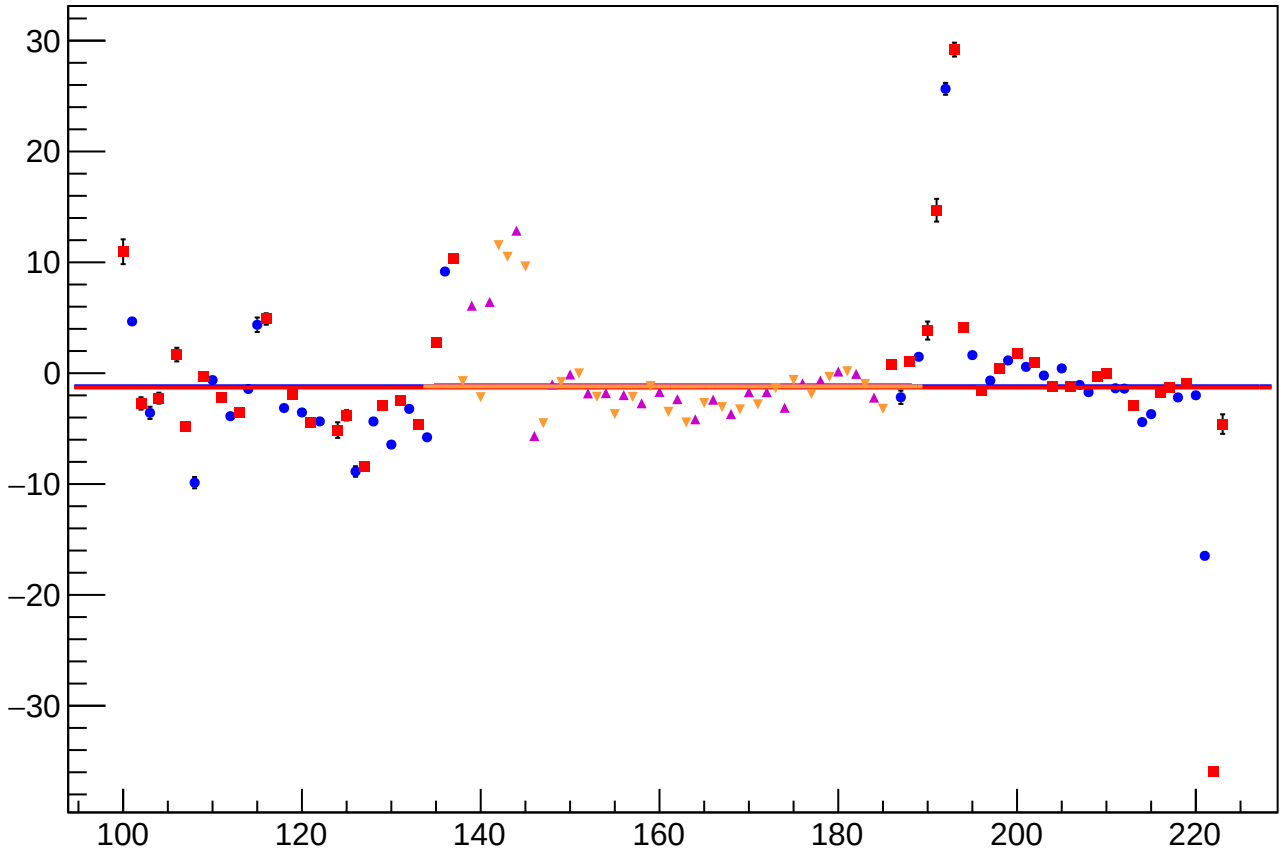
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.903+/-0.024 χ^2/NDF: 247340.7/72

In: -1.422+/-0.026 χ^2/NDF:247492.9/56

Out: -2.026+/-0.026 χ^2/NDF:296355.5/63

All: -1.732+/-0.018 χ^2/NDF: 544116.8/120



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

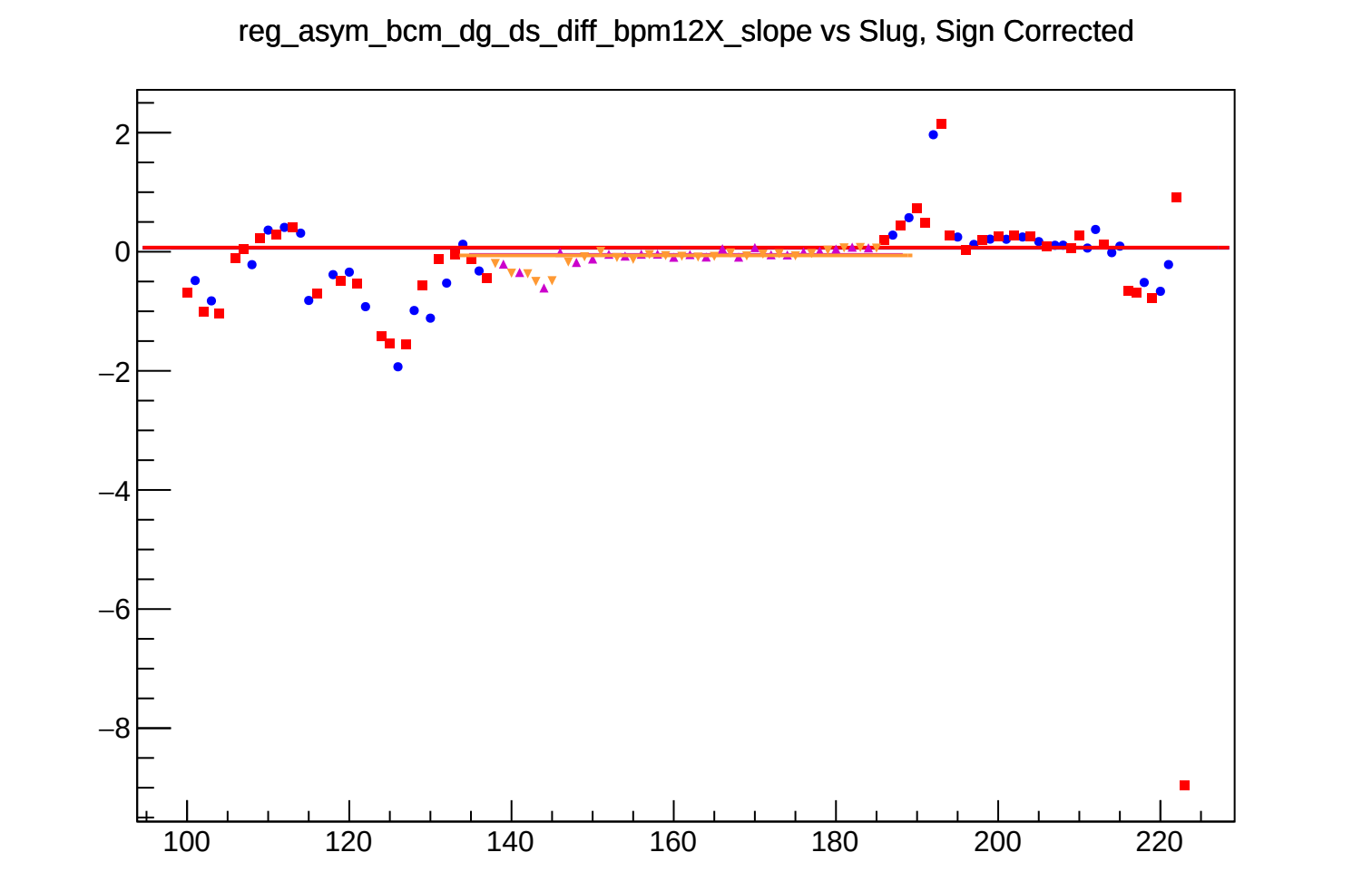
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -1.237+/-0.035 χ^2/NDF: 23064.3/72

In: -1.120+/-0.029 χ^2/NDF:16021.1/56

Out: -1.228+/-0.029 χ^2/NDF:20882.3/63

All: -1.173+/-0.021 χ^2/NDF: 36910.2/120



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

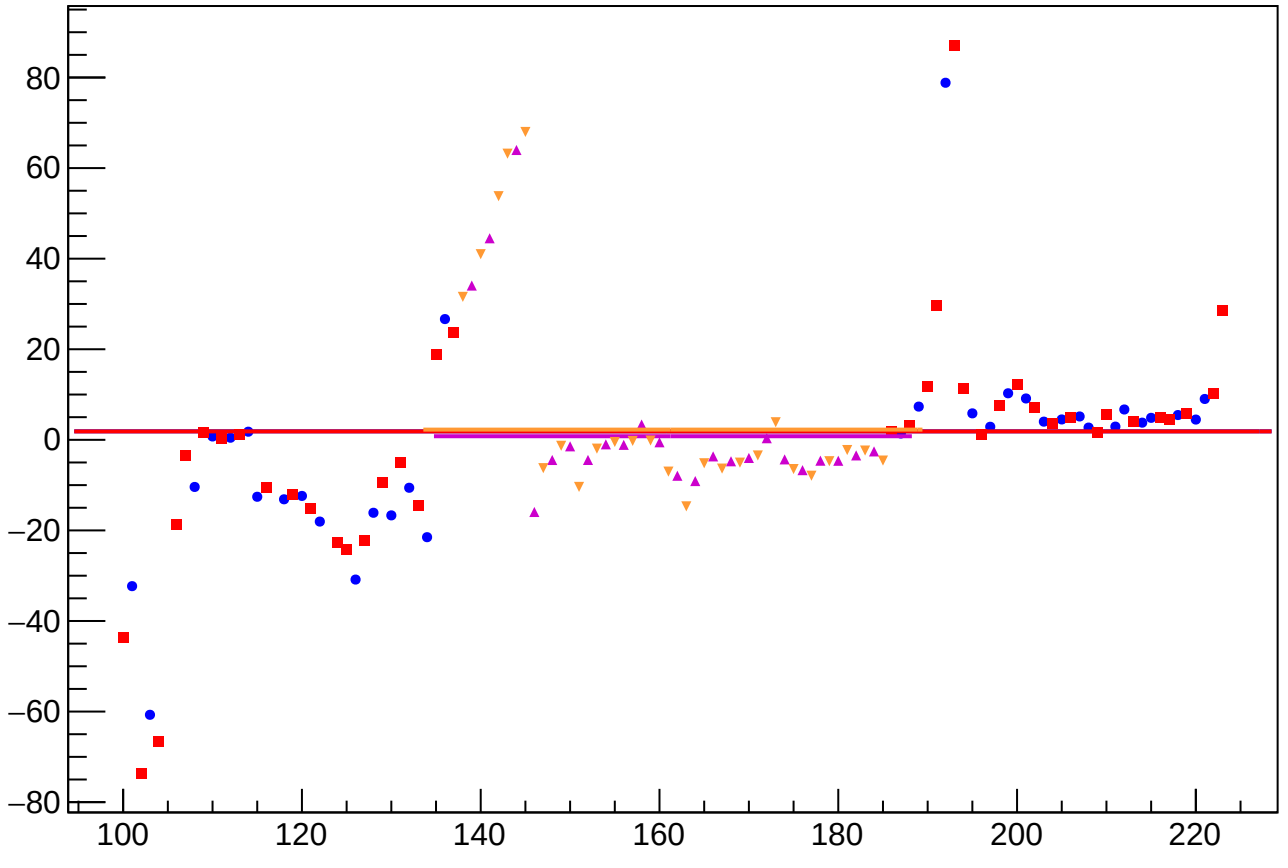
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.068+/-0.002 χ^2/NDF: 100910.7/72

In: -0.015+/-0.001 χ^2/NDF:43276.1/56

Out: -0.016+/-0.001 χ^2/NDF:72418.3/63

All: -0.016+/-0.001 χ^2/NDF: 115694.5/120



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

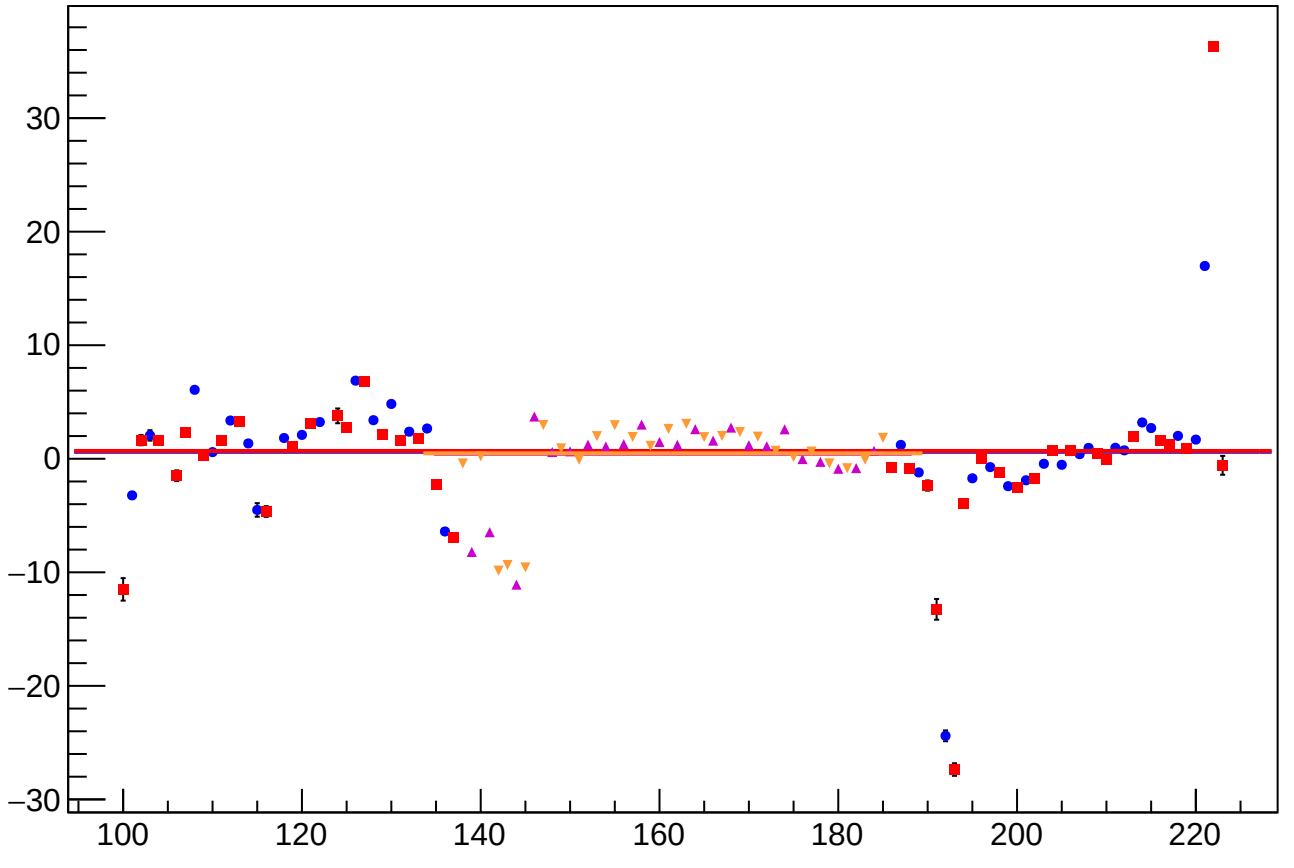
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.869+/-0.023 χ^2/NDF: 244542.5/72

In: 1.435+/-0.026 χ^2/NDF:249615.7/56

Out: 2.007+/-0.025 χ^2/NDF:295893.1/63

All: 1.732+/-0.018 χ^2/NDF: 545755.2/120



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

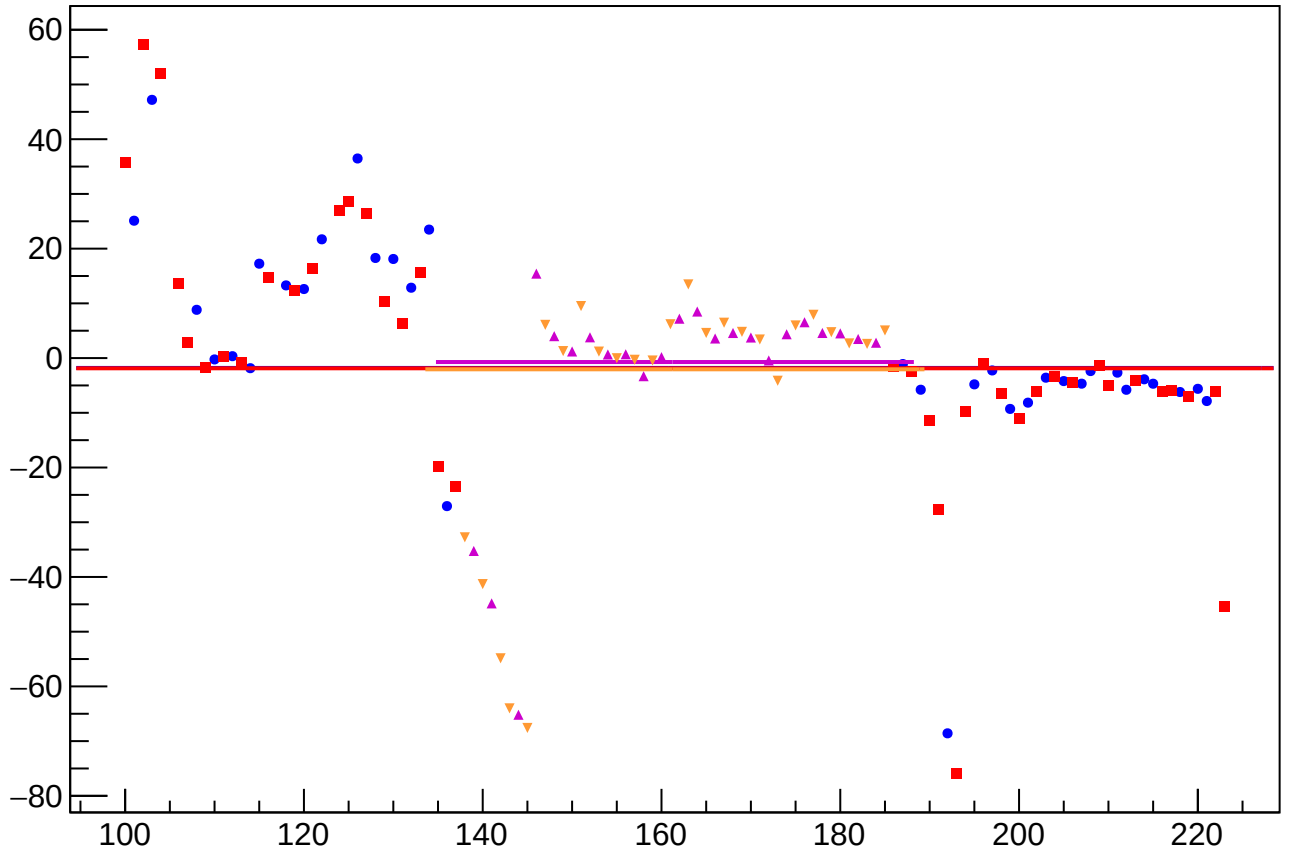
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.653+/-0.031 χ^2/NDF: 22731.5/72

In: 0.502+/-0.026 χ^2/NDF:14990.3/56

Out: 0.559+/-0.026 χ^2/NDF:21466.9/63

All: 0.530+/-0.019 χ^2/NDF: 36459.5/120



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

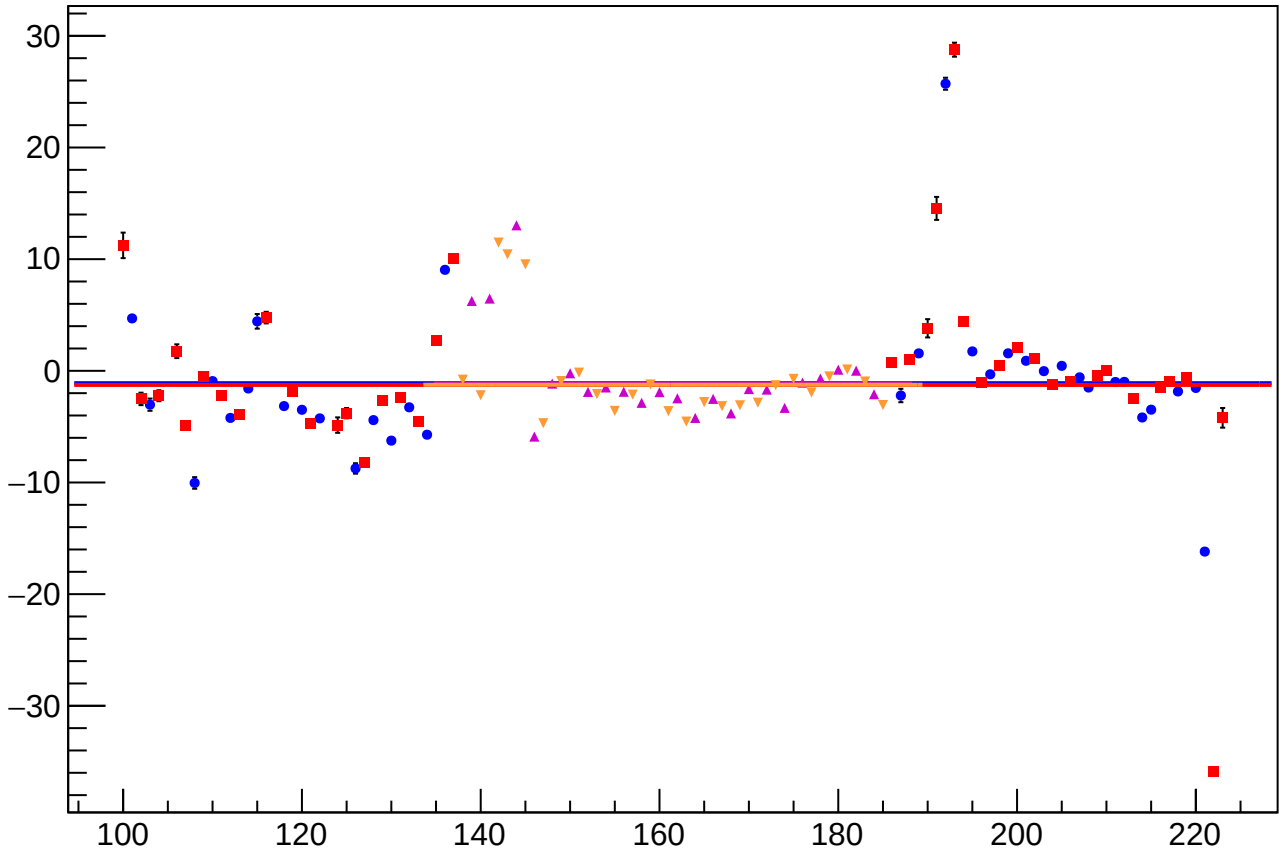
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.837+/-0.024 χ^2/NDF: 243736.9/72

In: -1.332+/-0.027 χ^2/NDF:244353.4/56

Out: -1.940+/-0.026 χ^2/NDF:291336.5/63

All: -1.644+/-0.019 χ^2/NDF: 535955.0/120



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

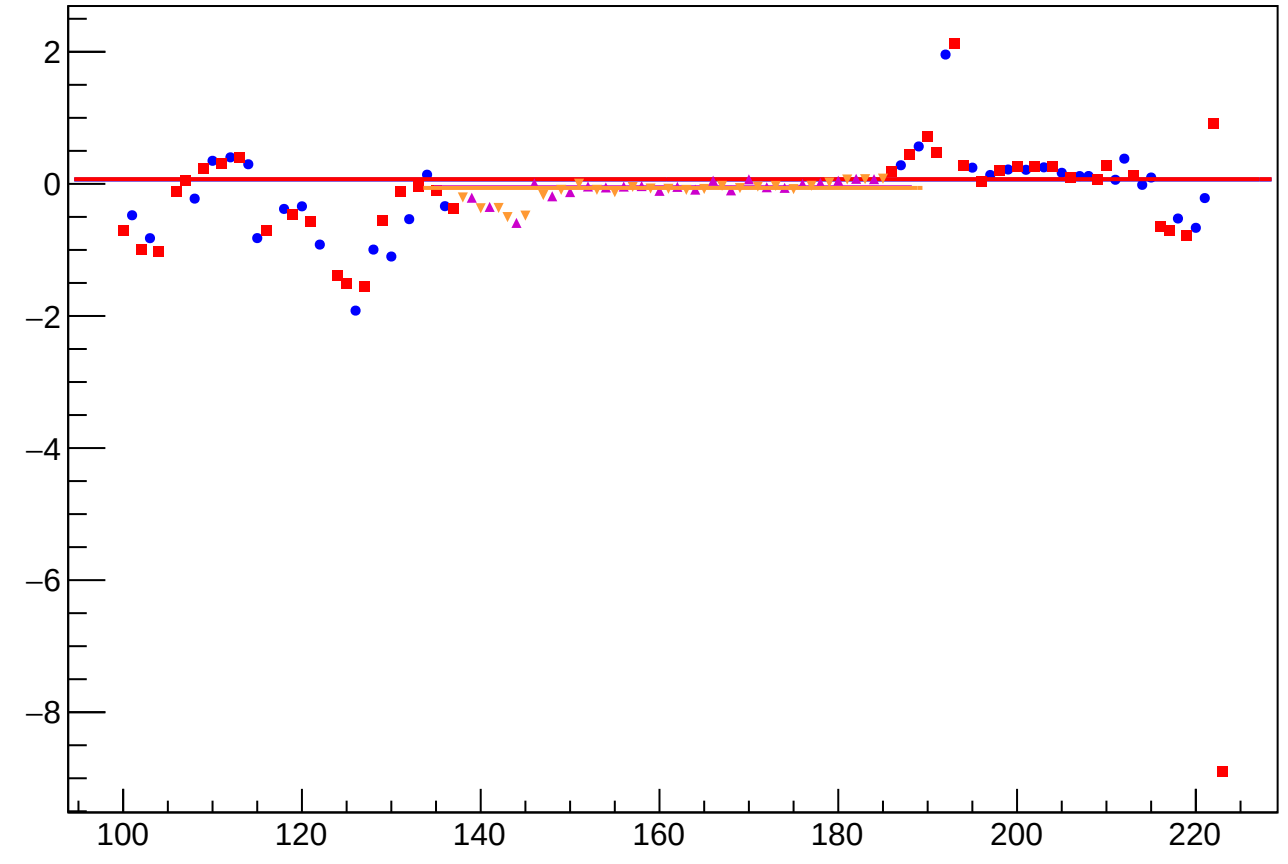
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -1.187+/-0.035 χ^2/NDF: 22565.3/72

In: -1.113+/-0.029 χ^2/NDF:15796.8/56

Out: -1.251+/-0.030 χ^2/NDF:20372.5/63

All: -1.181+/-0.021 χ^2/NDF: 36180.3/120



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

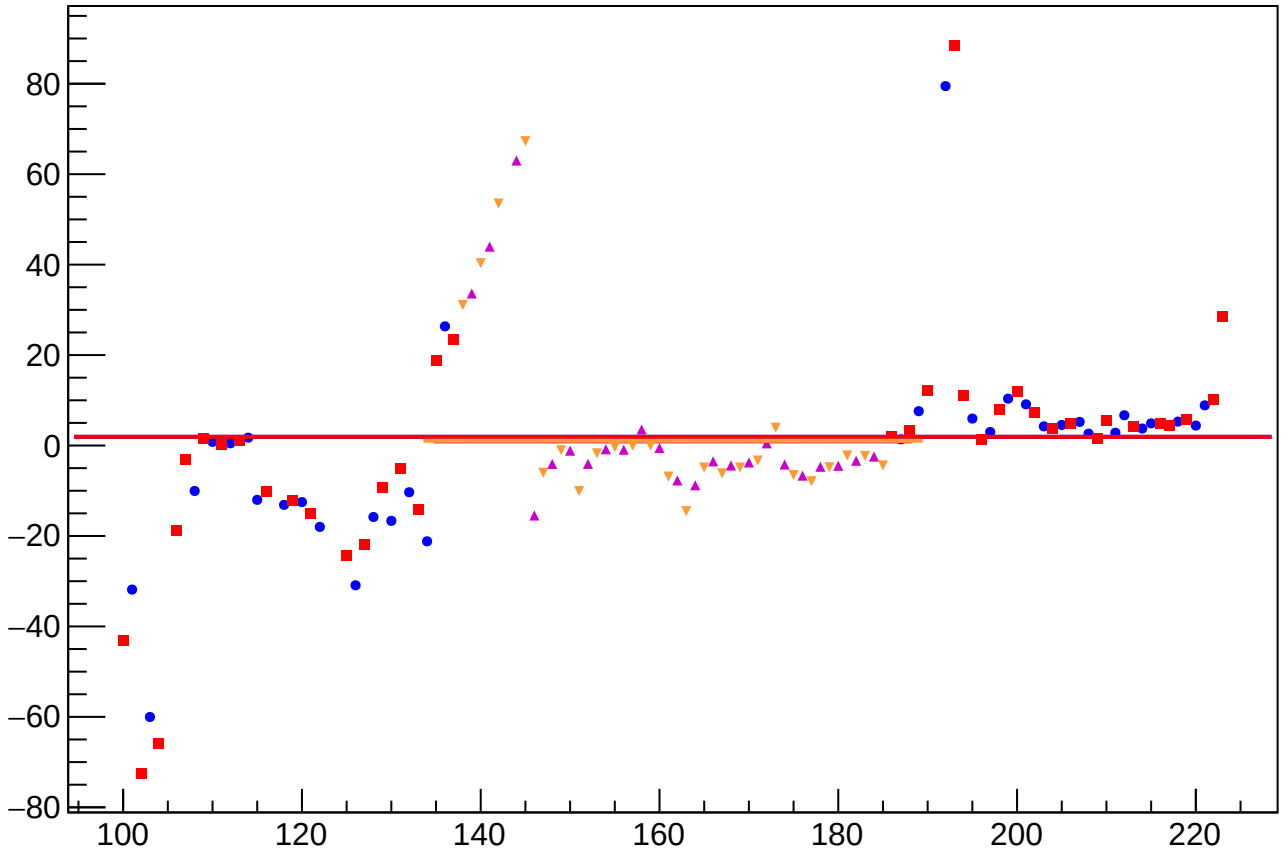
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.069+/-0.002 χ^2/NDF: 99368.3/72

In: -0.014+/-0.001 χ^2/NDF:42661.2/56

Out: -0.015+/-0.001 χ^2/NDF:71122.9/63

All: -0.015+/-0.001 χ^2/NDF: 113784.5/120



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

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

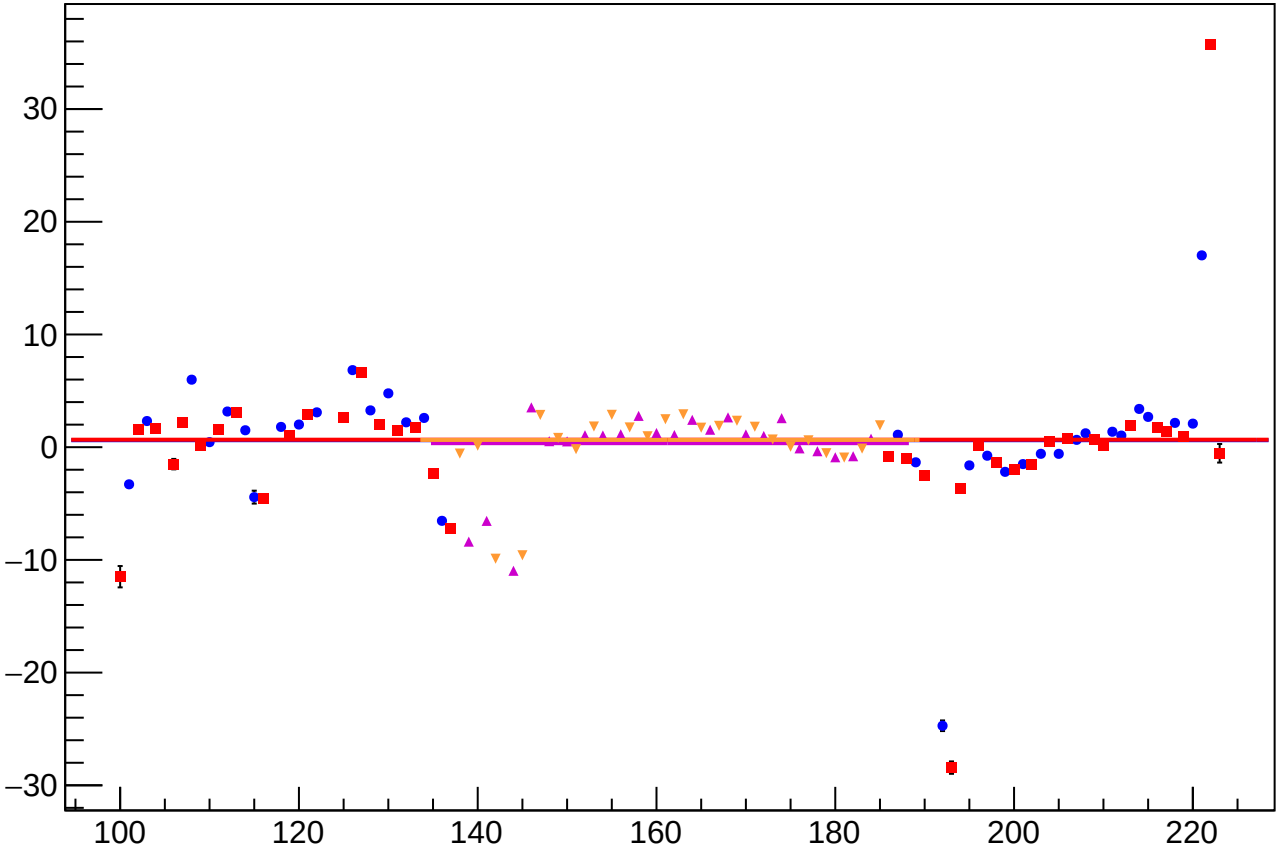
Right: 1.925+/-0.023 χ^2/NDF: 249272.6/70

In: 1.507+/-0.026 χ^2/NDF:257235.4/56

Out: 1.608+/-0.025 χ^2/NDF:256548.5/60

All: 1.559+/-0.018 χ^2/NDF: 513792.1/117

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

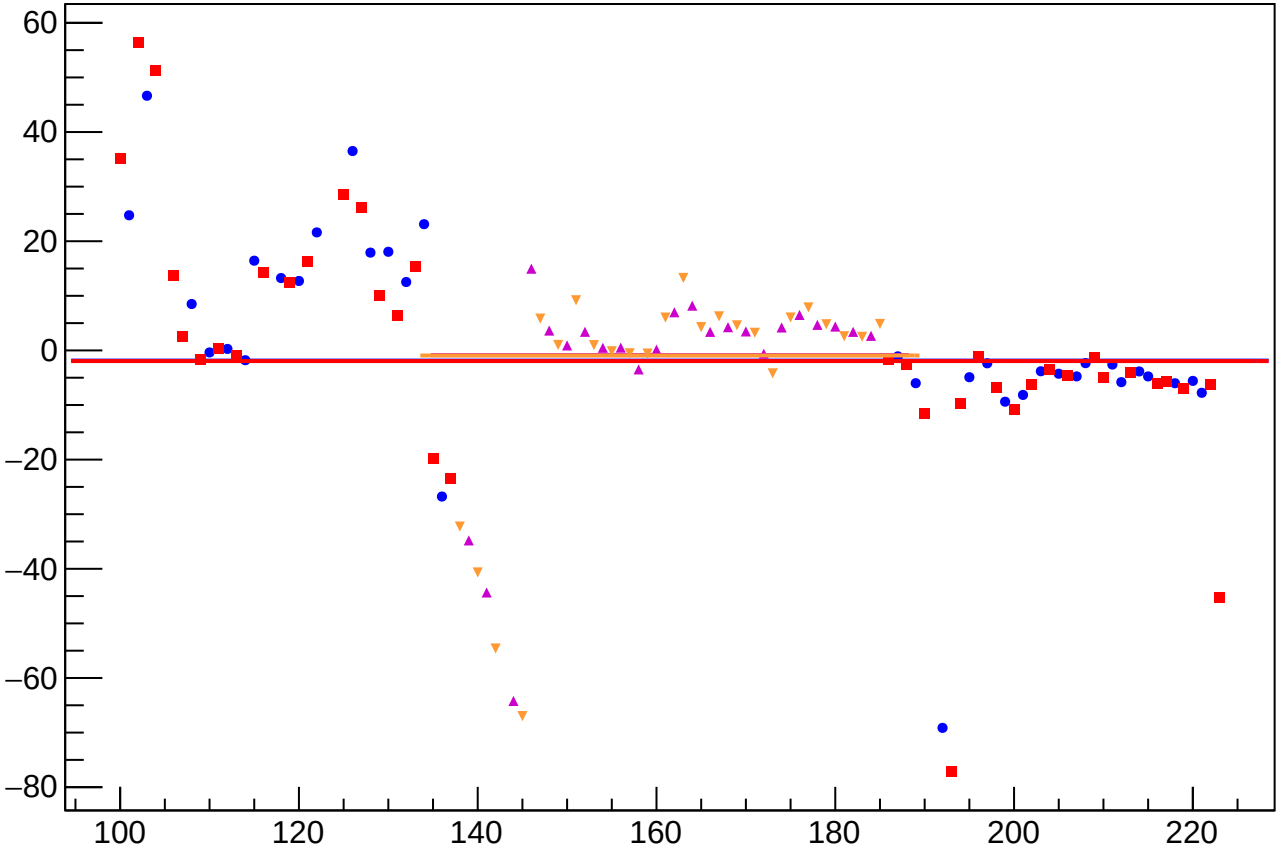
Right: 0.642+/-0.030 χ^2/NDF: 23195.7/70

In: 0.446+/-0.025 χ^2/NDF:15576.8/56

Out: 0.652+/-0.026 χ^2/NDF:19470.9/60

All: 0.547+/-0.018 χ^2/NDF: 35079.9/117

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.870+/-0.035 χ^2/NDF: 122085.3/33

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.953+/-0.033 χ^2/NDF: 126460.3/36

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

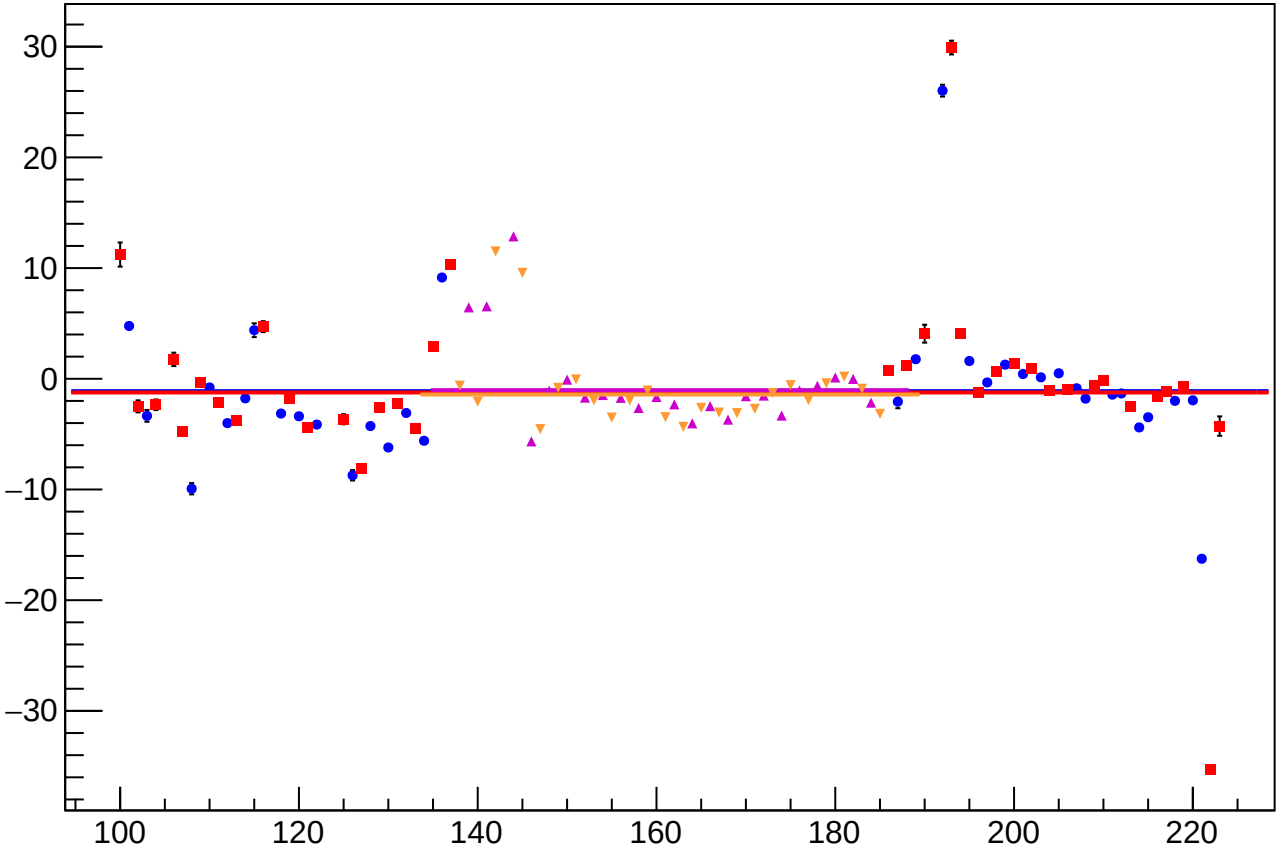
Right: -1.914+/-0.024 χ^2/NDF: 248548.7/70

In: -1.428+/-0.026 χ^2/NDF:251942.5/56

Out: -1.549+/-0.025 χ^2/NDF:253225.9/60

All: -1.490+/-0.018 χ^2/NDF: 505179.5/117

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

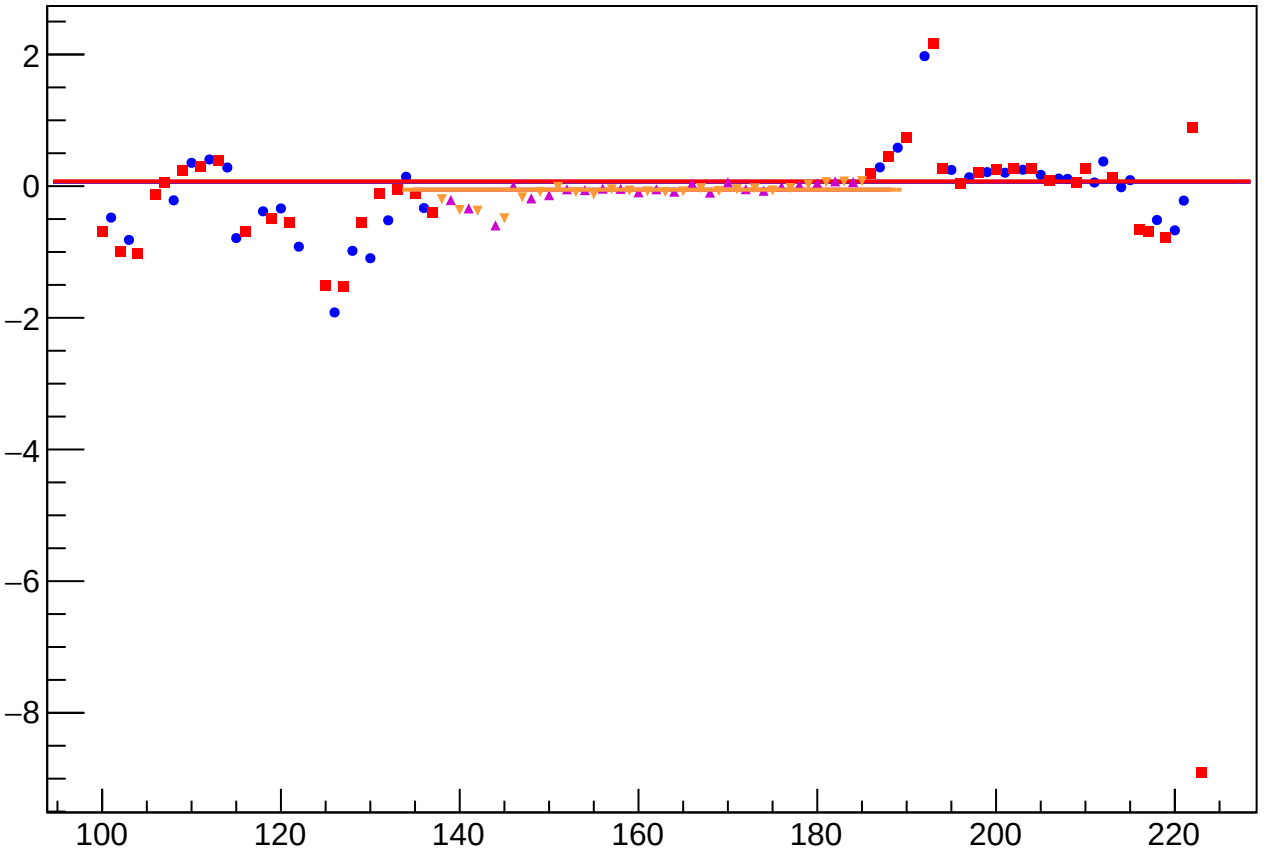
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -1.178+/-0.034 χ^2/NDF: 23083.1/70

In: -1.056+/-0.028 χ^2/NDF:16415.1/56

Out: -1.352+/-0.029 χ^2/NDF:18365.3/60

All: -1.200+/-0.020 χ^2/NDF: 34833.8/117



Right In: 0.066+/-0.002 χ^2/NDF: 37212.3/33

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.072+/-0.002 χ^2/NDF: 64290.4/36

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

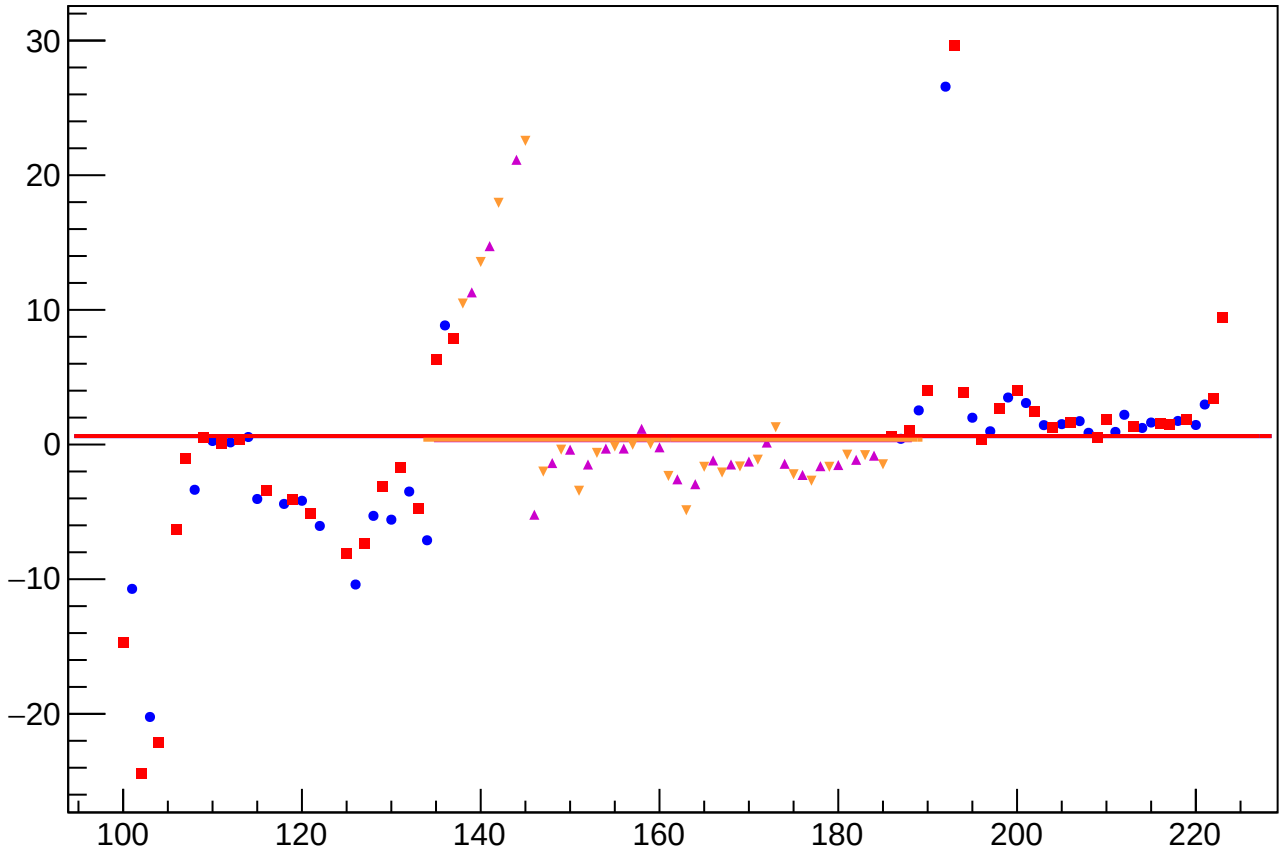
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.069+/-0.002 χ^2/NDF: 101506.8/70

In: -0.016+/-0.001 χ^2/NDF:44193.4/56

Out: -0.010+/-0.001 χ^2/NDF:70775.0/60

All: -0.014+/-0.001 χ^2/NDF: 114979.8/117



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

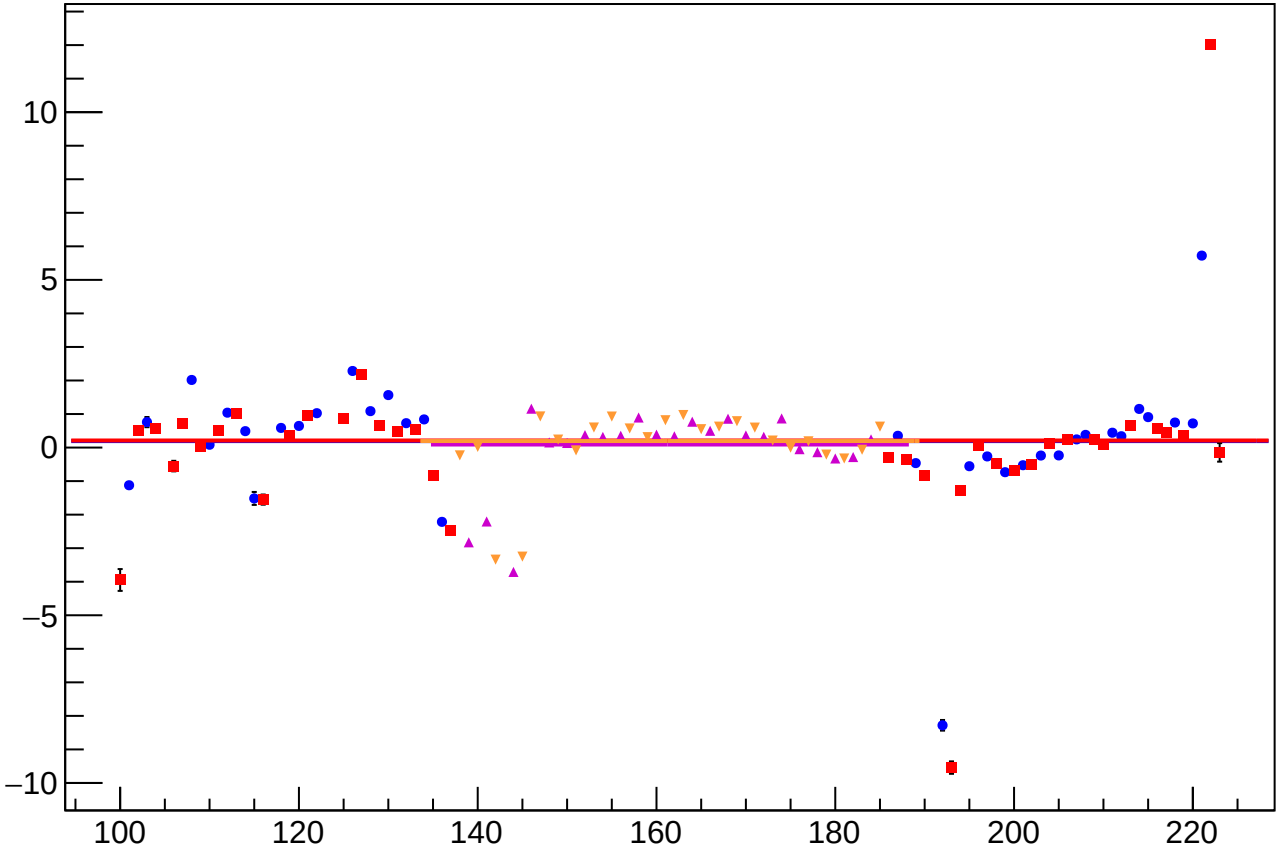
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.626+/-0.008 χ^2/NDF: 245106.0/70

In: 0.497+/-0.009 χ^2/NDF:252420.9/56

Out: 0.530+/-0.008 χ^2/NDF:252274.0/60

All: 0.514+/-0.006 χ^2/NDF: 504702.4/117



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

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

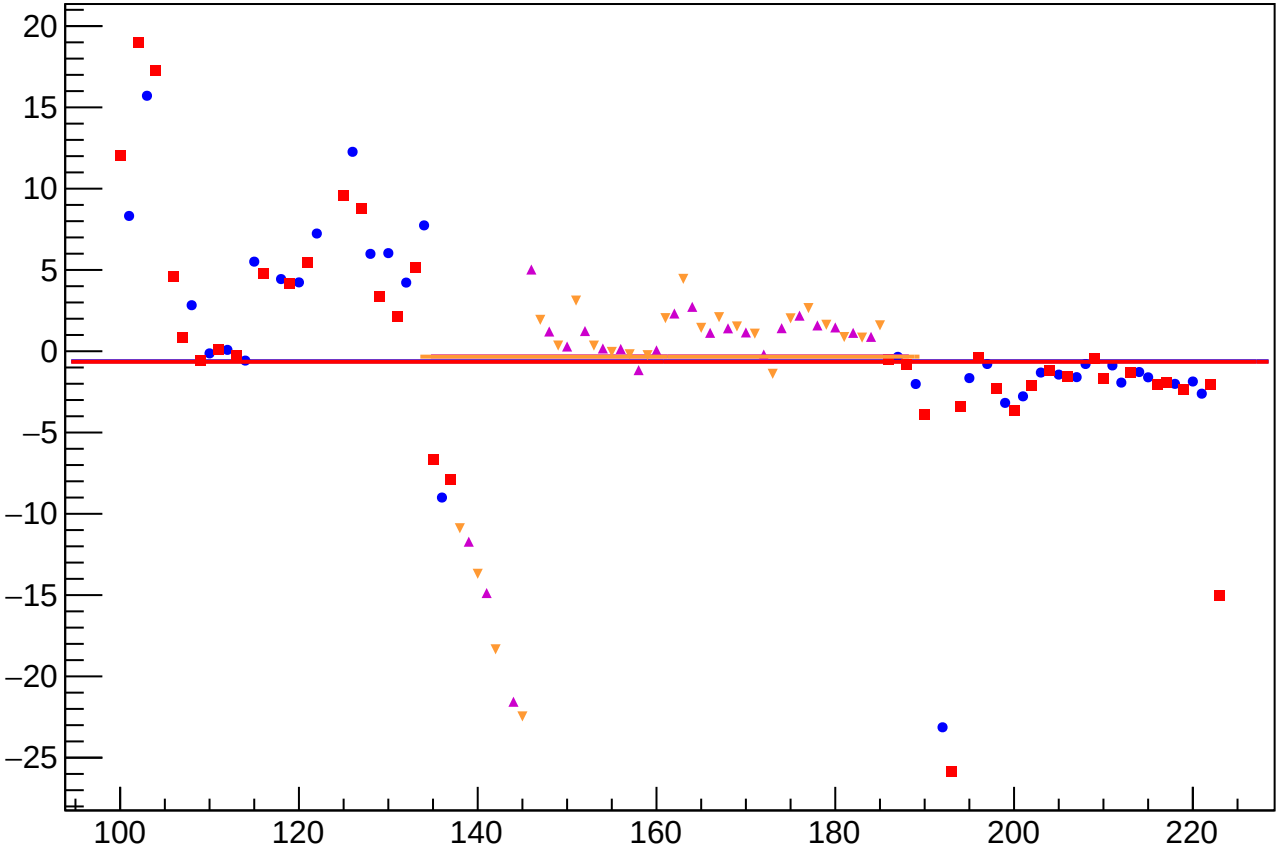
Right: 0.202+/-0.010 χ^2/NDF: 22865.0/70

In: 0.126+/-0.009 χ^2/NDF:15266.3/56

Out: 0.201+/-0.009 χ^2/NDF:19211.2/60

All: 0.163+/-0.006 χ^2/NDF: 34513.5/117

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

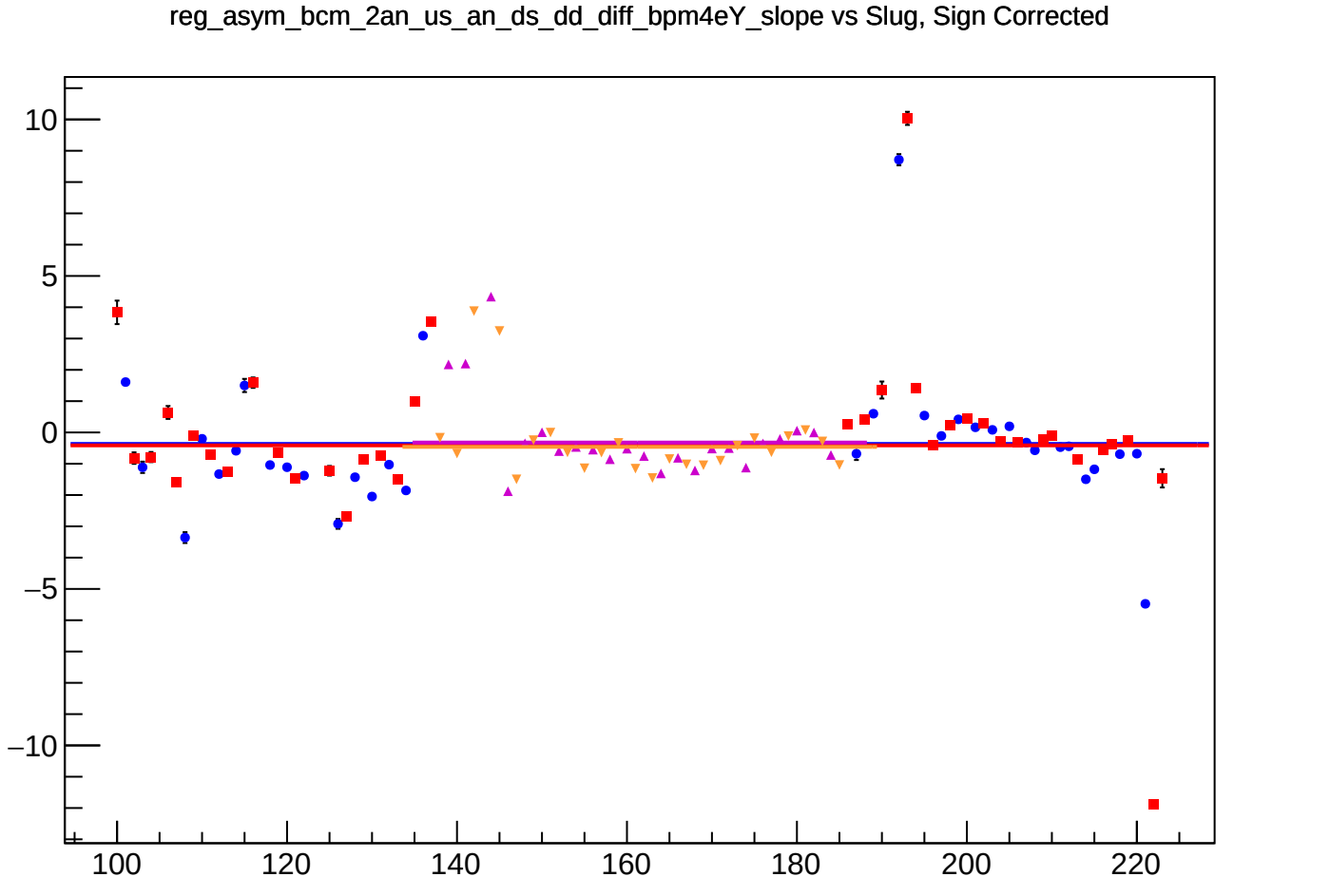
Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

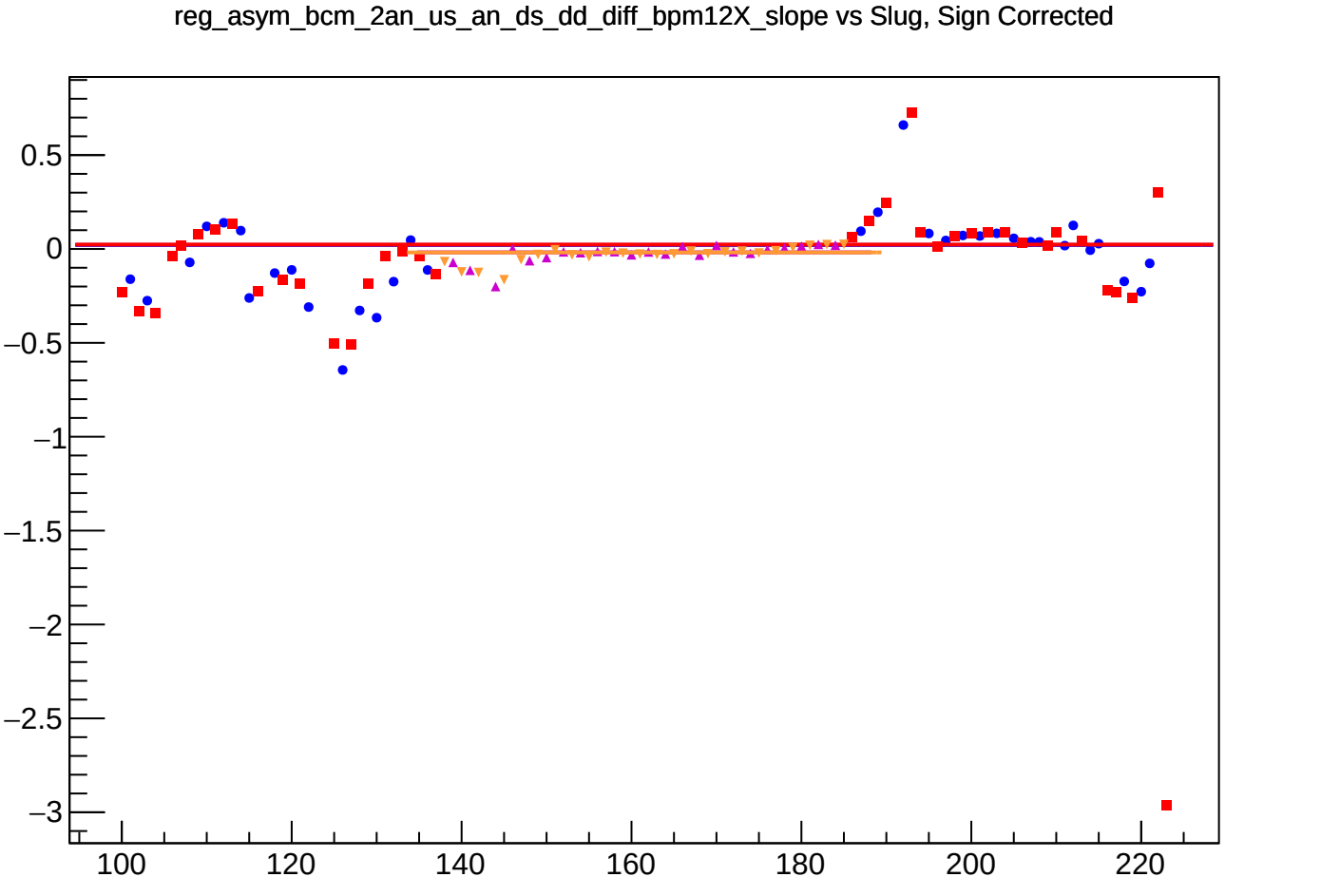
Right: -0.634+/-0.008 χ^2/NDF: 244493.4/70

In: -0.485+/-0.009 χ^2/NDF:247285.5/56

Out: -0.524+/-0.009 χ^2/NDF:249039.1/60

All: -0.505+/-0.006 χ^2/NDF: 496334.4/117


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
10
5
0
−5
−10
100
120
140
160
180
200
220
Right In: -0.367+/-0.017 χ²/NDF: 9204.9/33
Left Out: -0.462+/-0.013 χ²/NDF:4580.0/23
Right Out: -0.413+/-0.016 χ²/NDF: 13532.7/36
Left In: -0.323+/-0.012 χ²/NDF:6881.8/22
Left: -0.389+/-0.009 χ²/NDF: 11526.1/46
Right: -0.391+/-0.012 χ²/NDF: 22741.6/70
In: -0.338+/-0.010 χ²/NDF:16091.2/56
Out: -0.444+/-0.010 χ²/NDF:18118.3/60
All: -0.390+/-0.007 χ²/NDF: 34267.6/117



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

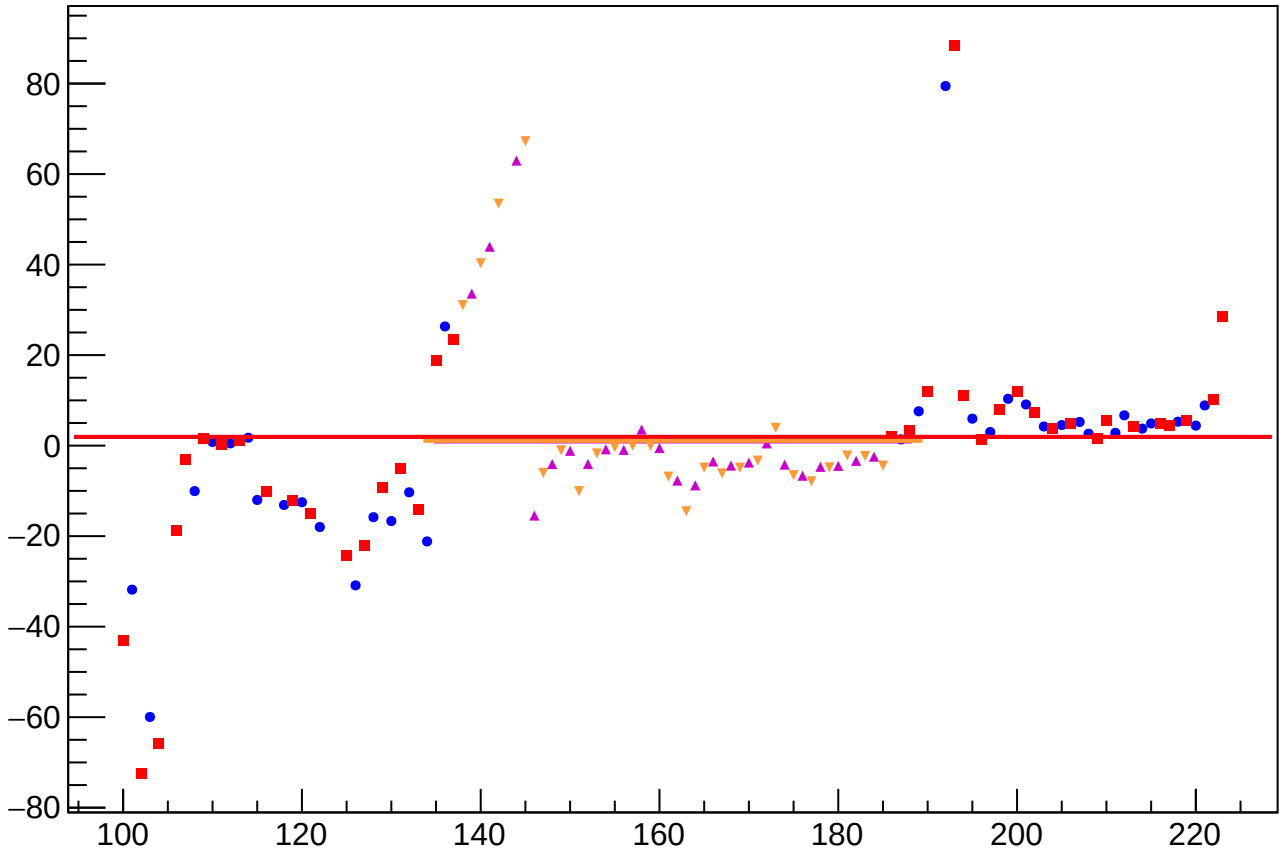
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.022+/-0.001 χ^2/NDF: 99835.5/70

In: -0.006+/-0.000 χ^2/NDF:43257.5/56

Out: -0.004+/-0.000 χ^2/NDF:69511.4/60

All: -0.005+/-0.000 χ^2/NDF: 112776.6/117



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

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

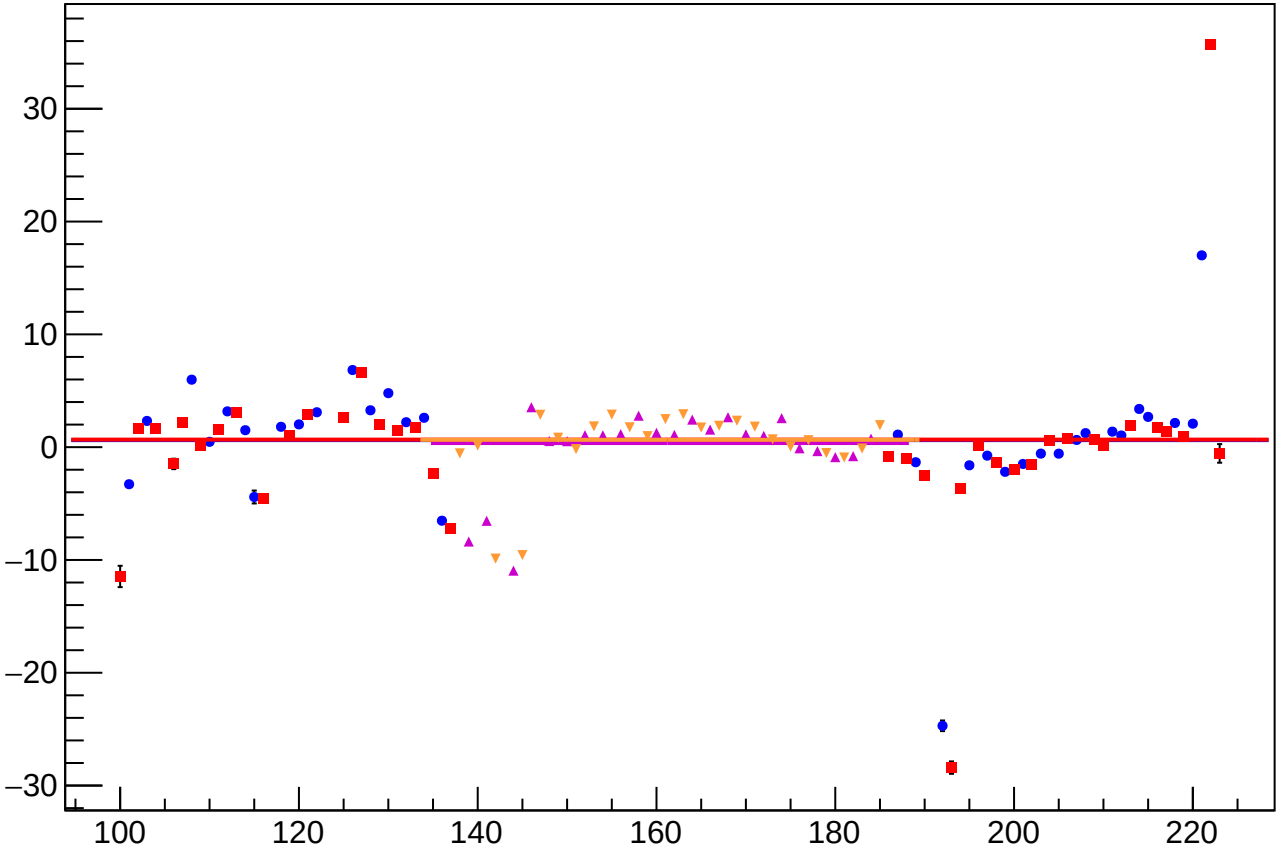
Right: 1.930+/-0.023 χ^2/NDF: 249334.2/70

In: 1.511+/-0.025 χ^2/NDF:257274.4/56

Out: 1.613+/-0.025 χ^2/NDF:256562.7/60

All: 1.564+/-0.018 χ^2/NDF: 513845.2/117

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

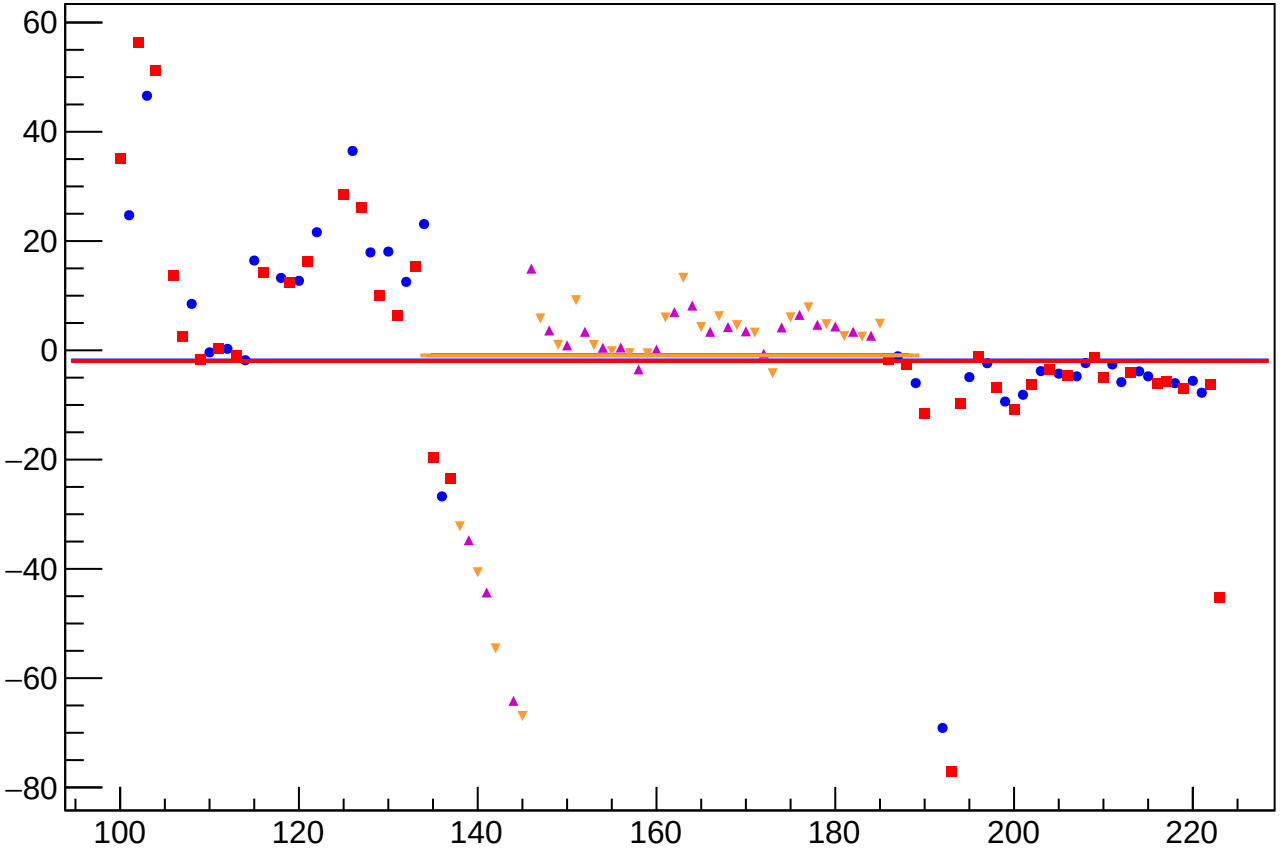
Right: 0.648+/-0.030 χ^2/NDF: 23193.6/70

In: 0.454+/-0.025 χ^2/NDF:15581.5/56

Out: 0.658+/-0.026 χ^2/NDF:19466.8/60

All: 0.554+/-0.018 χ^2/NDF: 35080.1/117

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

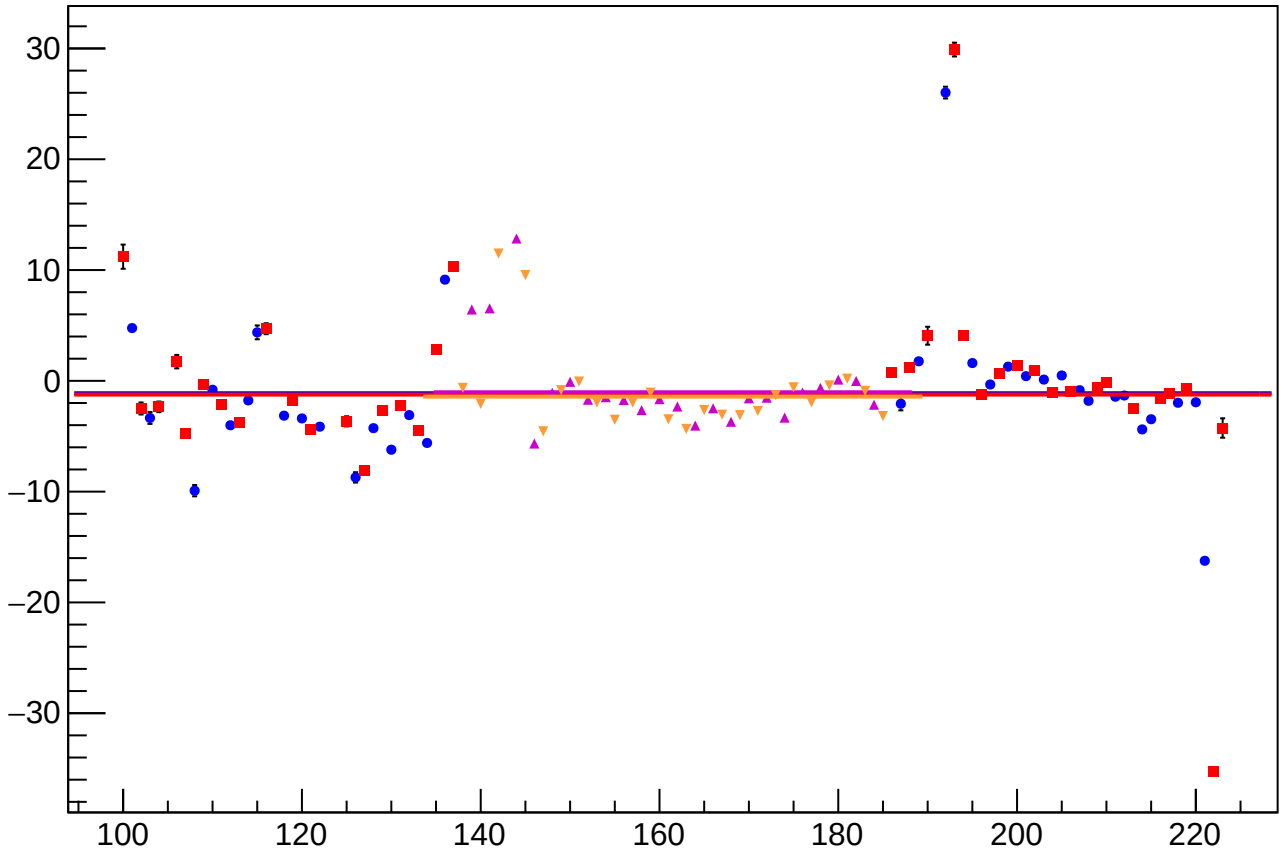
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -1.914+/-0.024 χ^2/NDF: 248600.4/70

In: -1.427+/-0.026 χ^2/NDF:251974.7/56

Out: -1.549+/-0.025 χ^2/NDF:253237.4/60

All: -1.489+/-0.018 χ^2/NDF: 505223.3/117



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

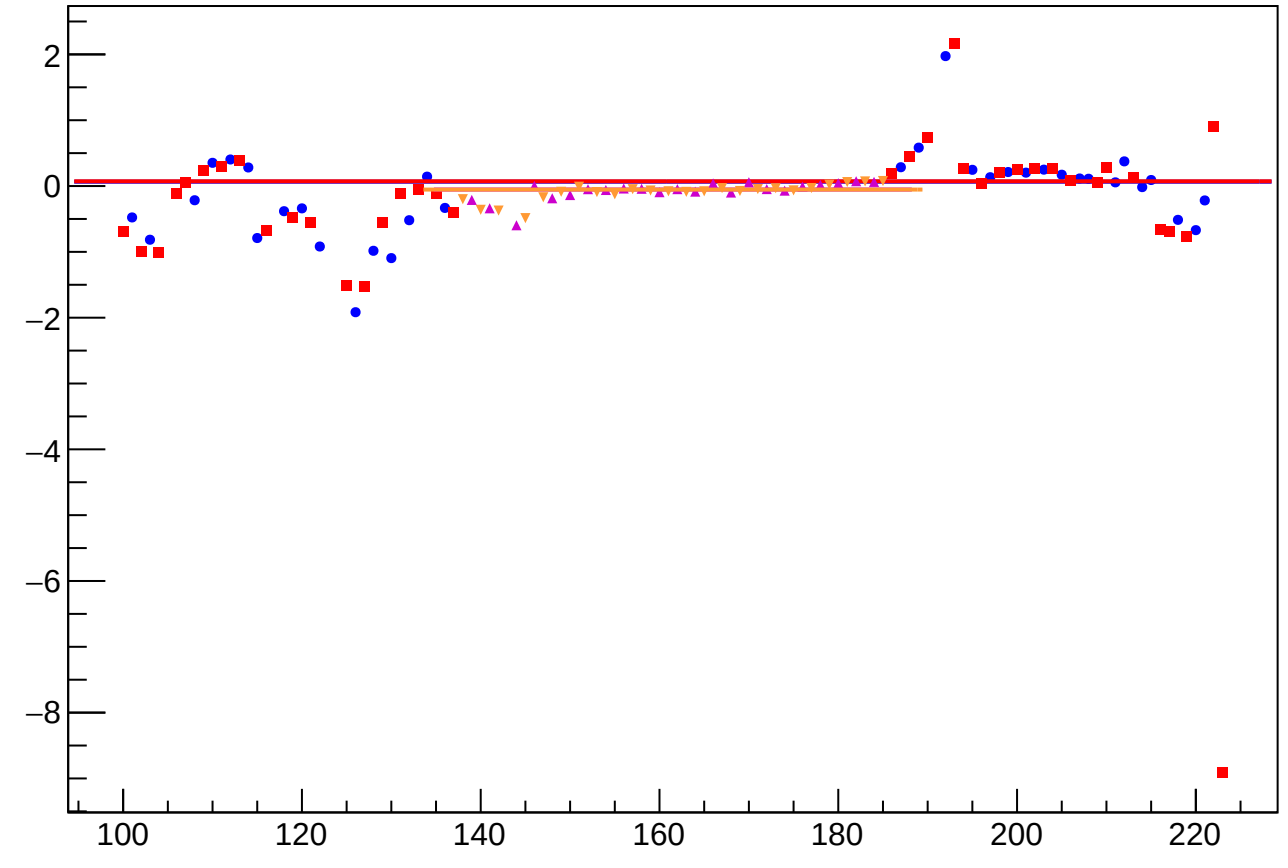
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -1.180+/-0.034 χ^2/NDF: 23079.6/70

In: -1.061+/-0.028 χ^2/NDF:16418.7/56

Out: -1.355+/-0.029 χ^2/NDF:18360.3/60

All: -1.205+/-0.020 χ^2/NDF: 34831.8/117



Right In: 0.066+/-0.002 χ^2/NDF: 37220.4/33

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.072+/-0.002 χ^2/NDF: 64317.5/36

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

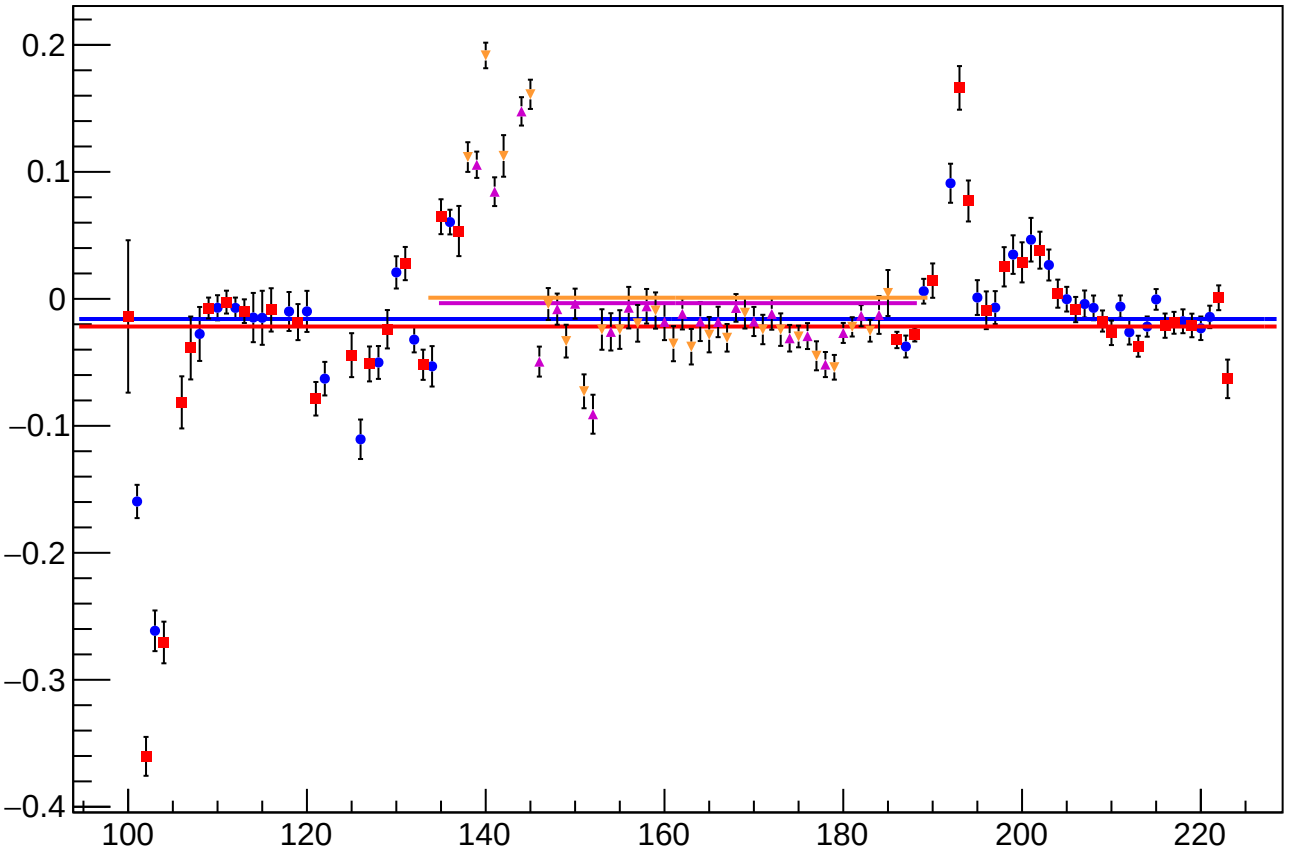
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.069+/-0.002 χ^2/NDF: 101542.1/70

In: -0.016+/-0.001 χ^2/NDF:44210.4/56

Out: -0.010+/-0.001 χ^2/NDF:70805.5/60

All: -0.013+/-0.001 χ^2/NDF: 115027.6/117



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

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

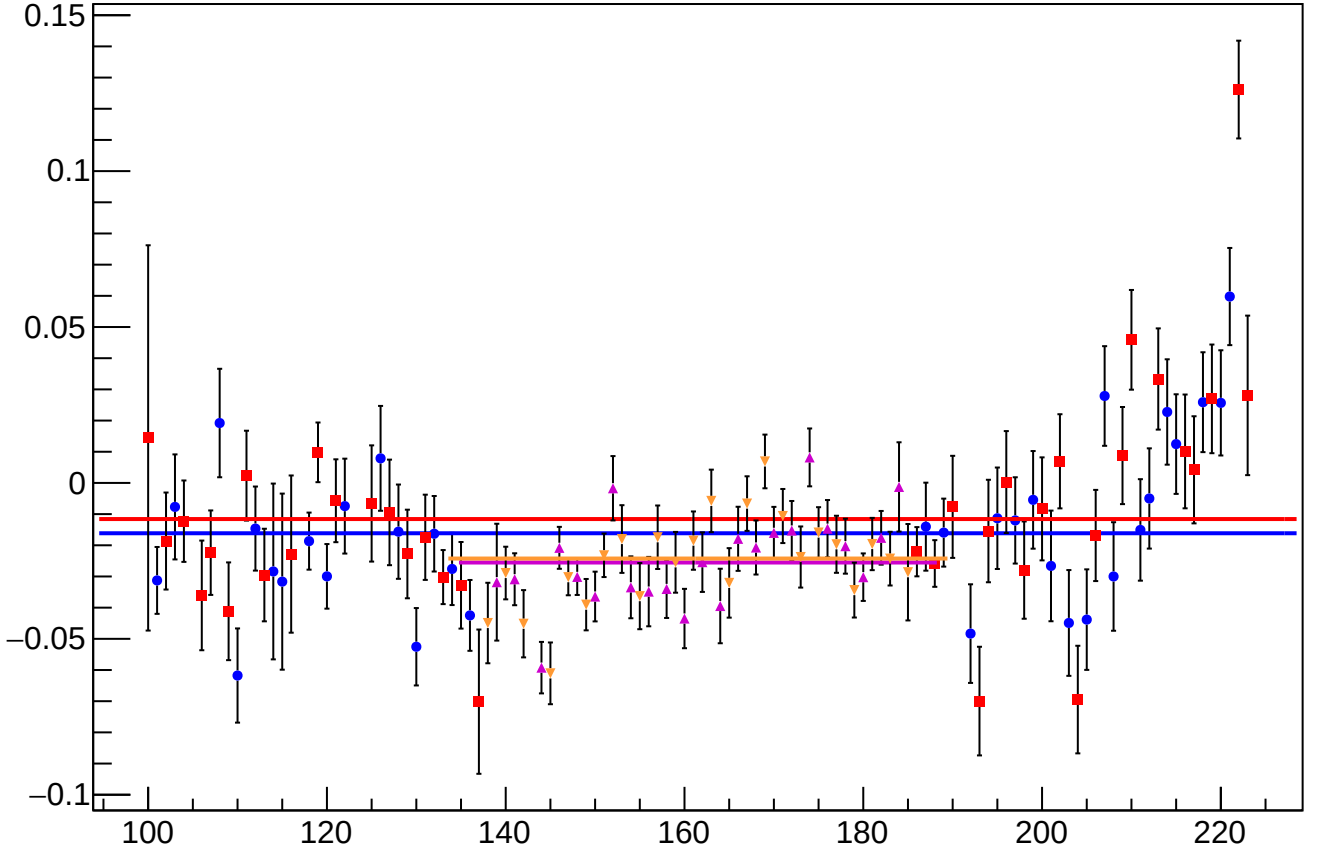
Right: -0.019+/-0.001 χ^2/NDF: 1675.4/70

In: -0.011+/-0.002 χ^2/NDF:1077.2/56

Out: -0.013+/-0.001 χ^2/NDF:1973.8/60

All: -0.012+/-0.001 χ^2/NDF: 3052.3/117

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

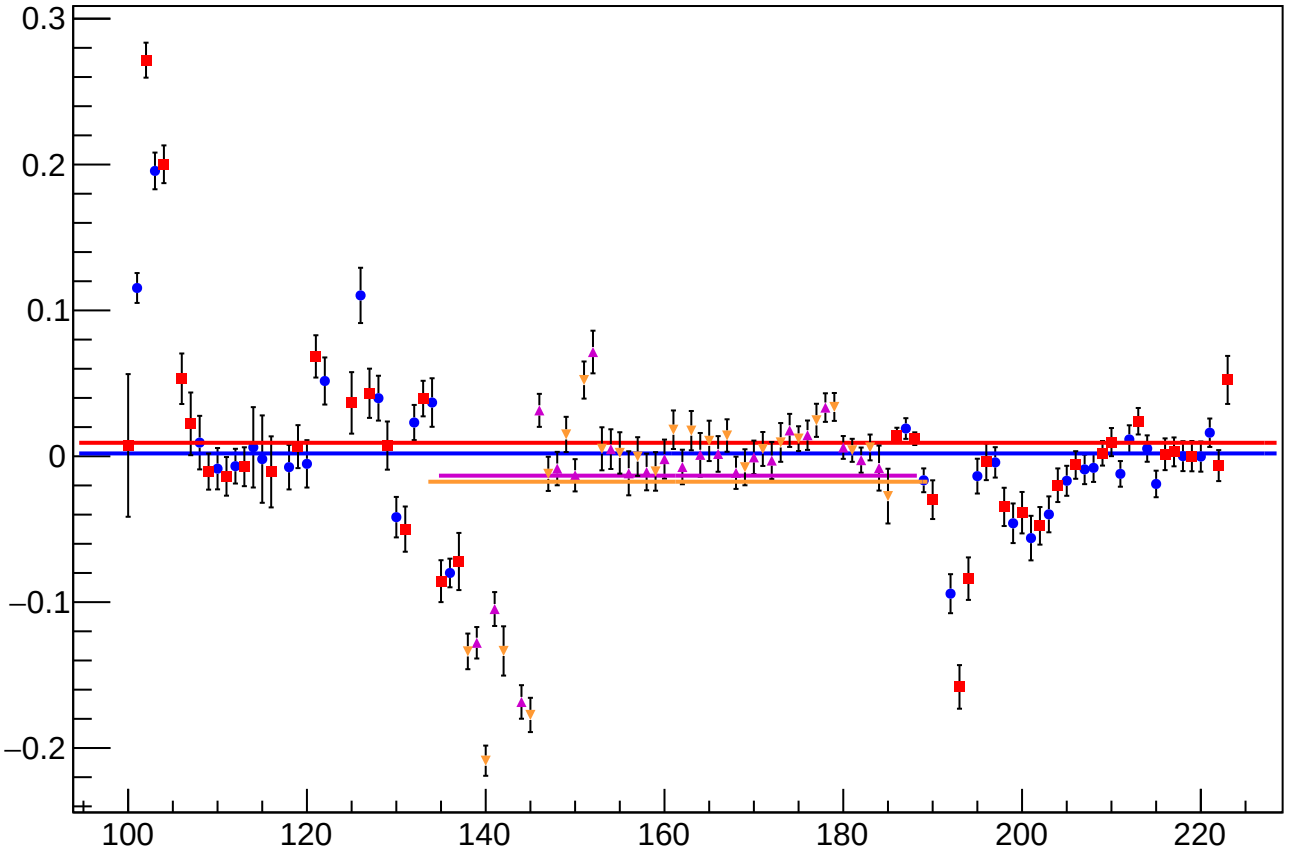
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.014+/-0.002 χ^2/NDF: 270.8/70

In: -0.022+/-0.001 χ^2/NDF:164.4/56

Out: -0.019+/-0.001 χ^2/NDF:240.7/60

All: -0.021+/-0.001 χ^2/NDF: 406.8/117



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

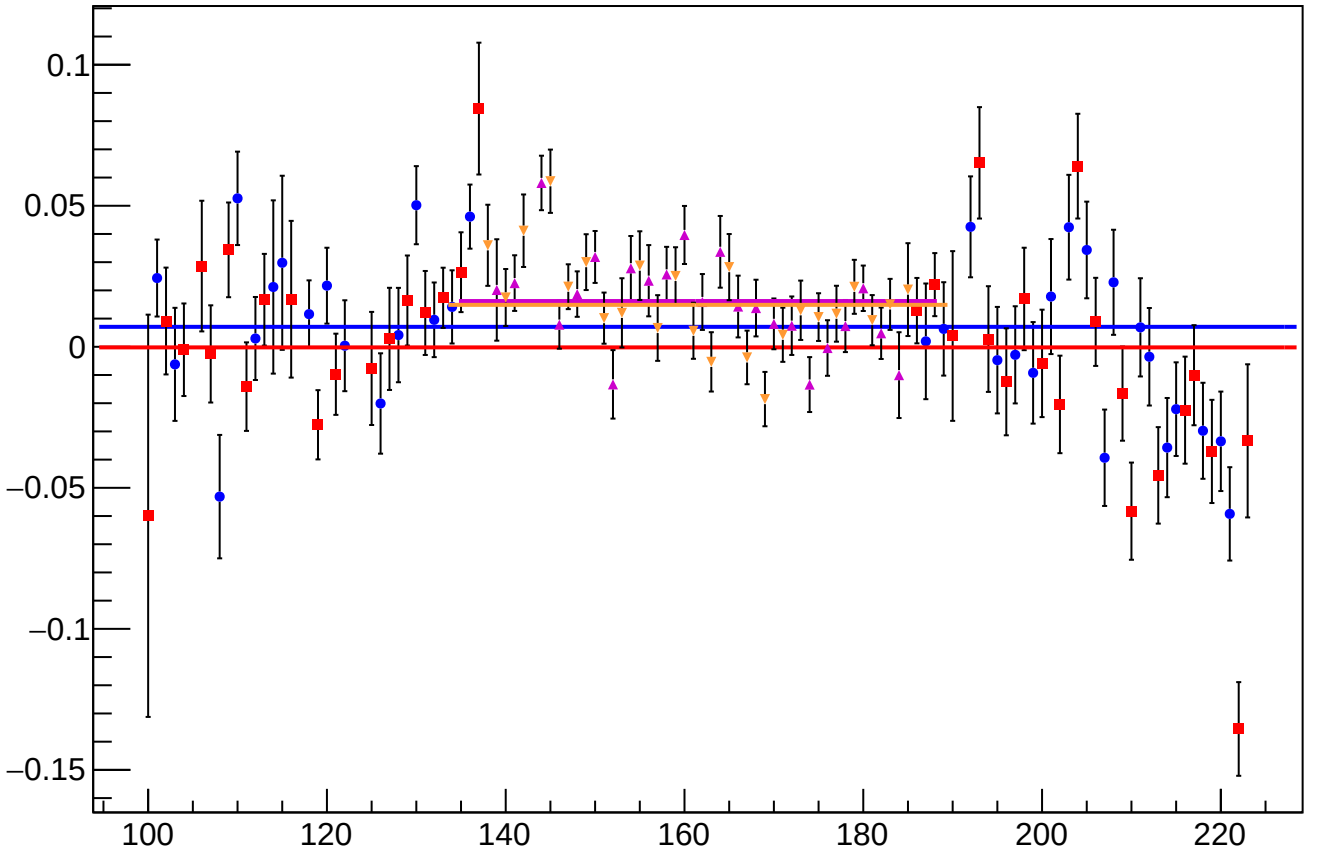
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.006+/-0.001 χ^2/NDF: 1681.1/70

In: -0.004+/-0.002 χ^2/NDF:1099.3/56

Out: -0.001+/-0.001 χ^2/NDF:1948.5/60

All: -0.002+/-0.001 χ^2/NDF: 3050.8/117



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

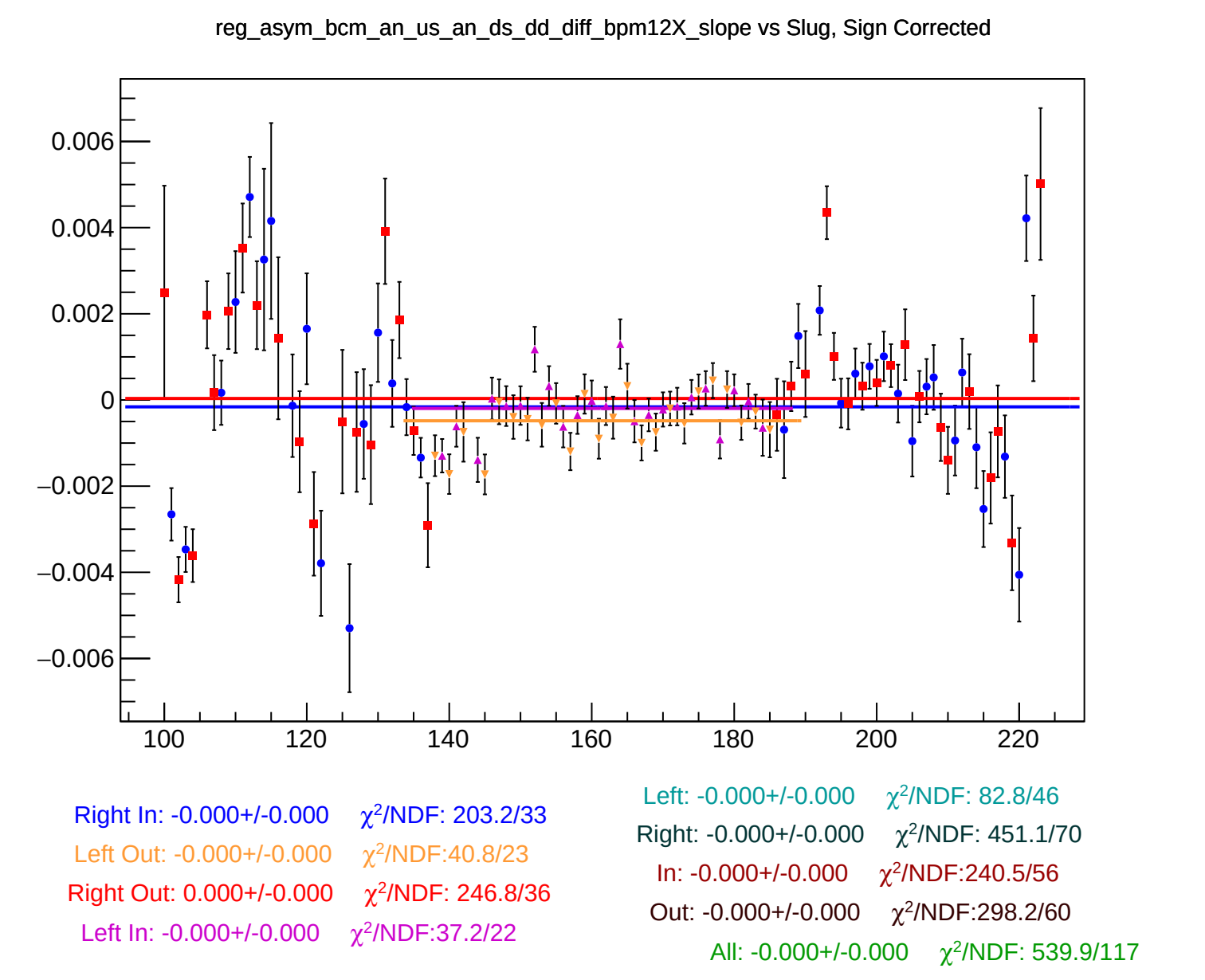
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.003+/-0.002 χ^2/NDF: 262.7/70

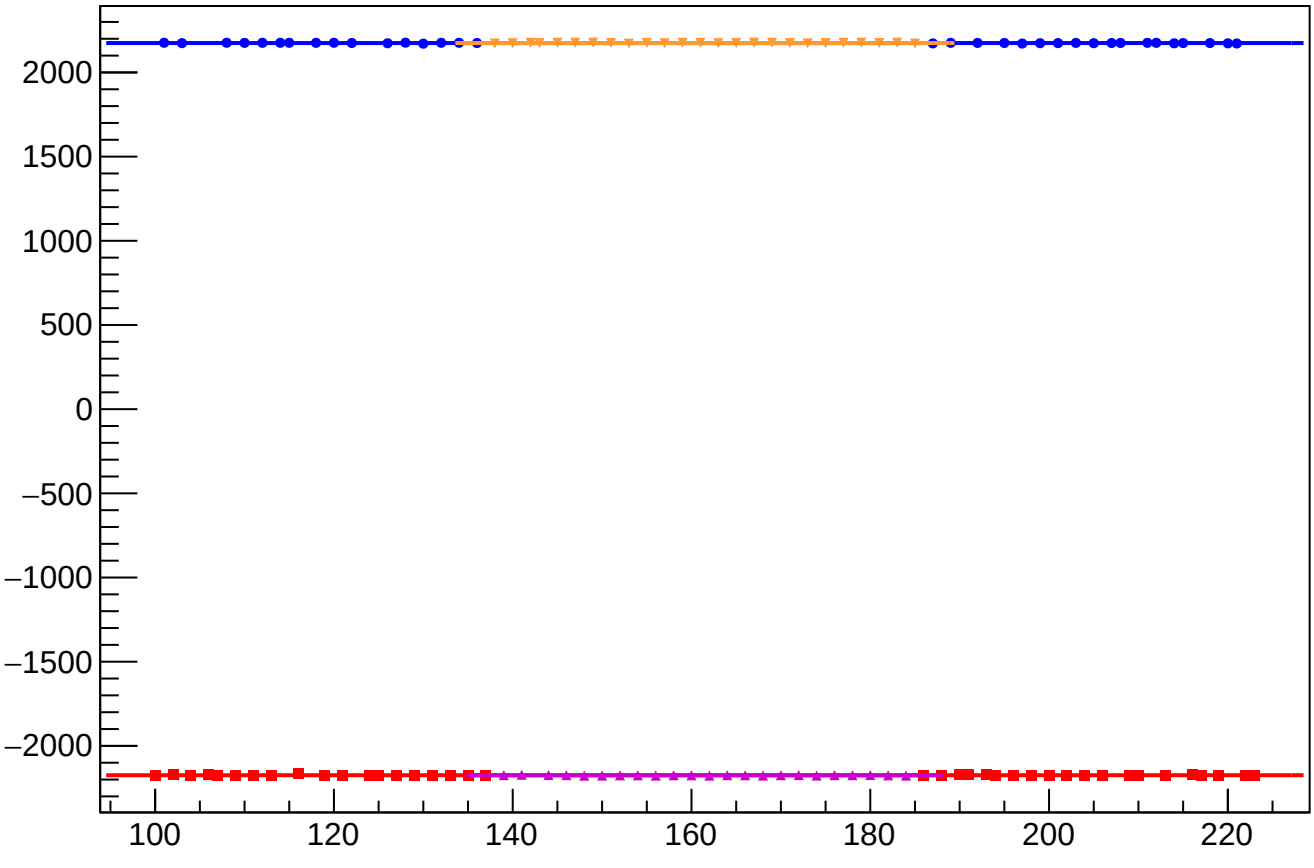
In: 0.013+/-0.002 χ^2/NDF:164.0/56

Out: 0.009+/-0.002 χ^2/NDF:231.0/60

All: 0.011+/-0.001 χ^2/NDF: 397.3/117


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 203.2/33
Left Out: -0.000+/-0.000 χ²/NDF:40.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 246.8/36
Left In: -0.000+/-0.000 χ²/NDF:37.2/22
Left: -0.000+/-0.000 χ²/NDF: 82.8/46
Right: -0.000+/-0.000 χ²/NDF: 451.1/70
In: -0.000+/-0.000 χ²/NDF:240.5/56
Out: -0.000+/-0.000 χ²/NDF:298.2/60
All: -0.000+/-0.000 χ²/NDF: 539.9/117

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.551+/-0.000 χ^2/NDF: 4783063944890814488807656342421504.0/33

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517712.0/24

Right Out: -2174.378+/-0.000 χ^2/NDF: 127188487708914242299285601842626656.0/38

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

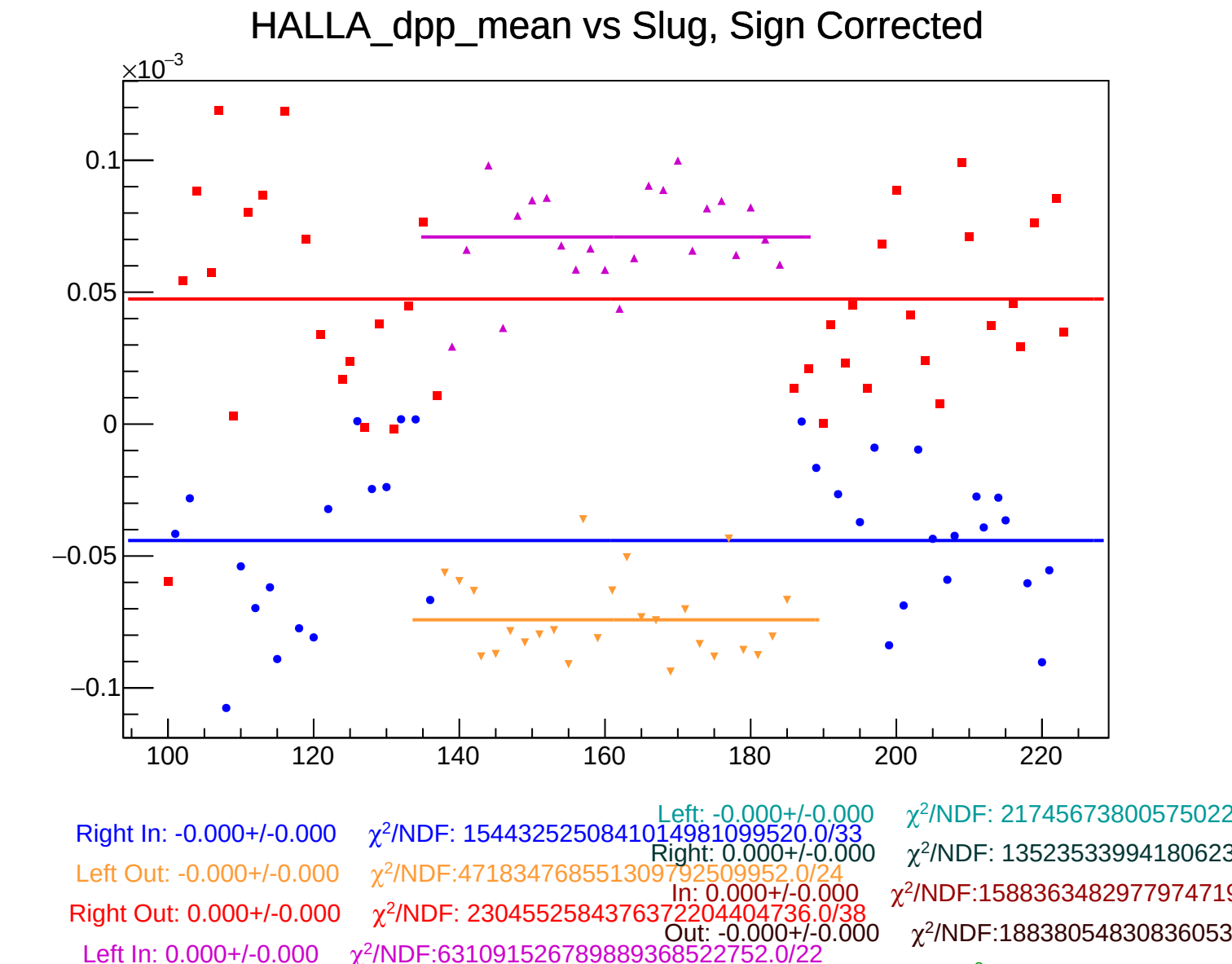
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315

Right: -39.929+/-0.000 χ^2/NDF: 2183262463244816

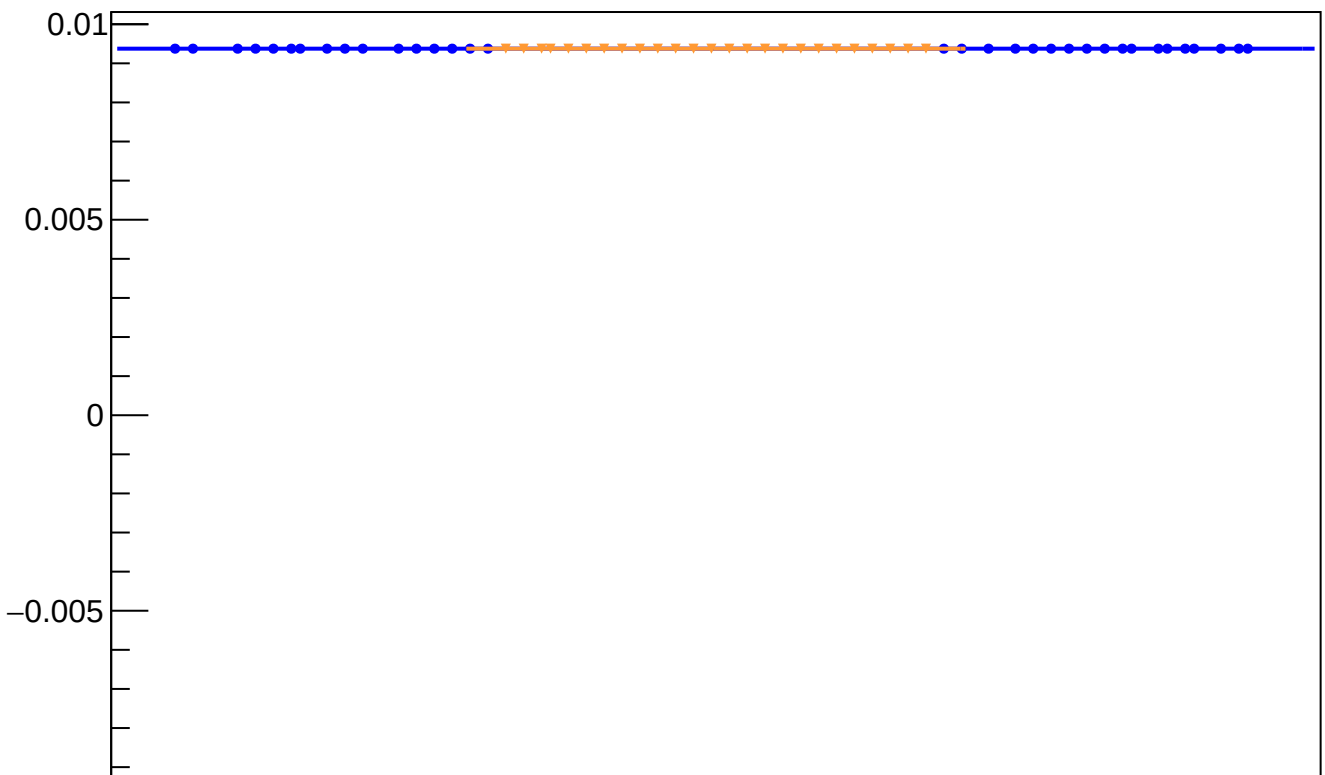
In: 188.107+/-0.000 χ^2/NDF:19585278212494517

Out: -166.066+/-0.000 χ^2/NDF:205428376980550

All: 6.937+/-0.000 χ^2/NDF: 4039587943580


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 1544325250841014981099520.0/33
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 230455258437637220440473 6.0/38
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 1352353399418062 3
In: 0.000+/-0.000 χ²/NDF:158836348297797471 9
Out: -0.000+/-0.000 χ²/NDF:18838054830836053
All: -0.000+/-0.000 χ²/NDF: 353504001328 0

MQ171LM_mean vs Slug, Sign Corrected



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

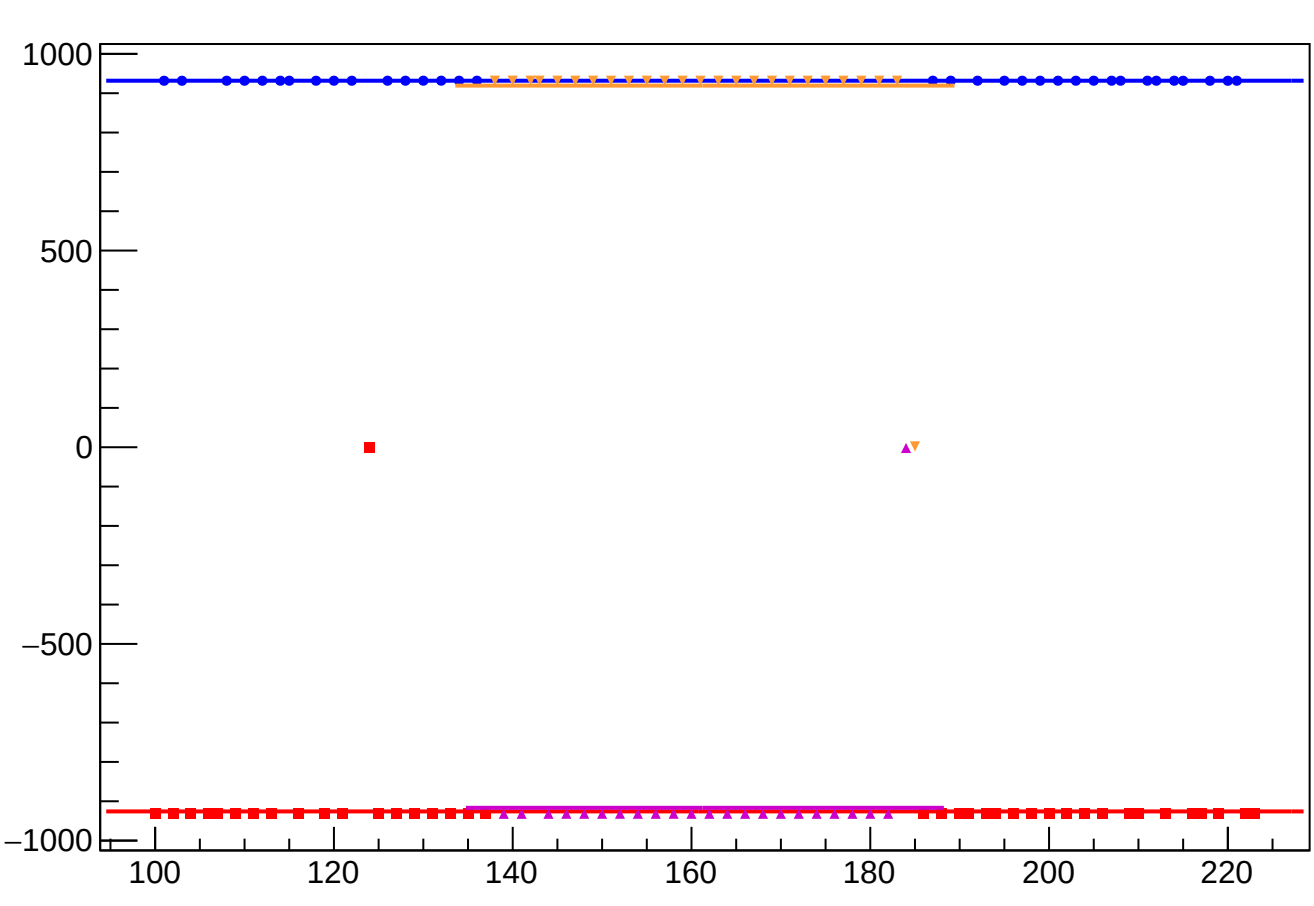
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 40582931911669086

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.001+/-0.000 χ^2/NDF:38183838672768777

All: 0.000+/-0.000 χ^2/NDF: 75084210940243



Right In: 931.757+/-0.000 χ^2/NDF: 888105092782545998310565688115 2.0/33

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -925.819+/-0.000 χ^2/NDF: 1293875676979578902533336483295867 6992.0/38

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

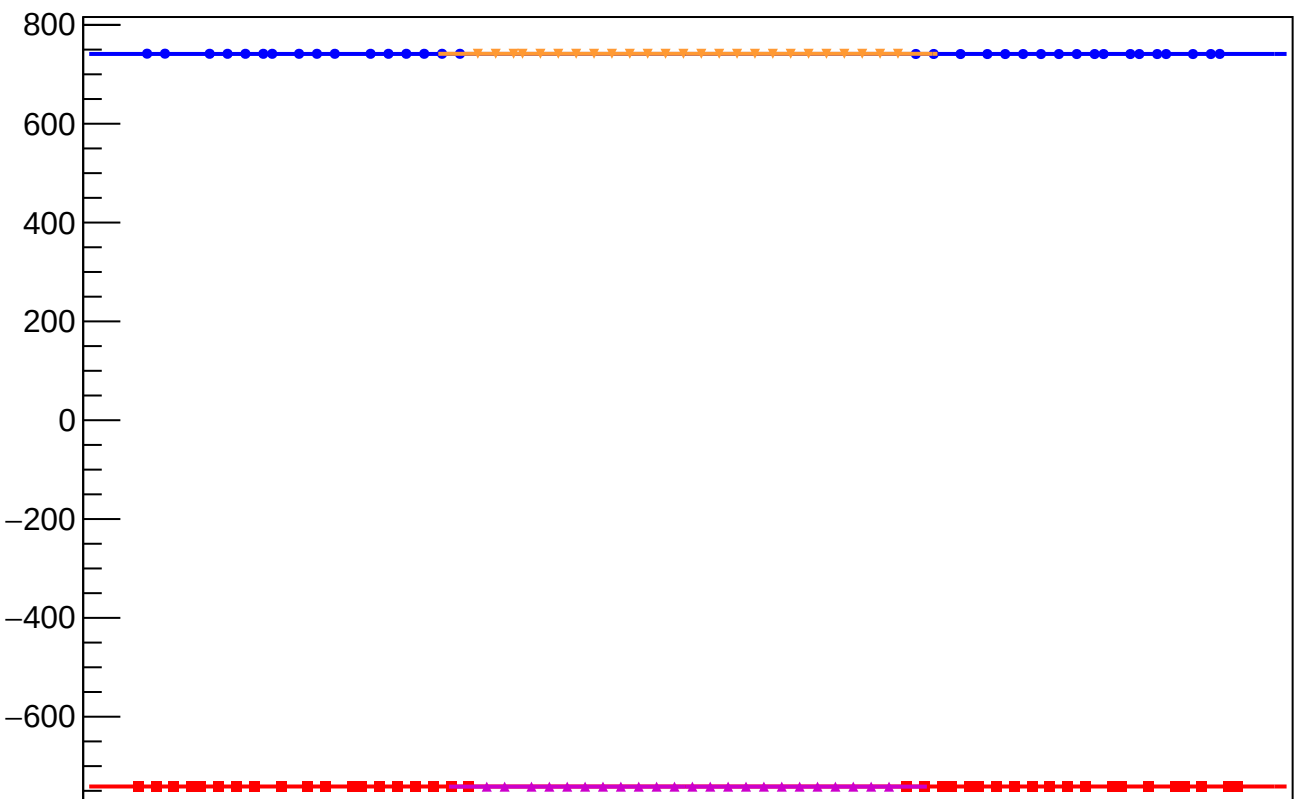
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

Right: -14.123+/-0.000 χ^2/NDF: 399615569137635 0

In: 87.503+/-0.000 χ^2/NDF:356408719779317390

Out: -73.749+/-0.000 χ^2/NDF:3733799844846394

All: 5.018+/-0.000 χ^2/NDF: 7353391680954 3



Right In: 741.219+/-0.000 χ^2/NDF: 14821548211991186552864648672051 2.0/33

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: -741.236+/-0.000 χ^2/NDF: 1561120612752438863623913922887 68.0/38

Left In: -741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

Left: 21.165+/-0.000 χ^2/NDF: 2155819118342563

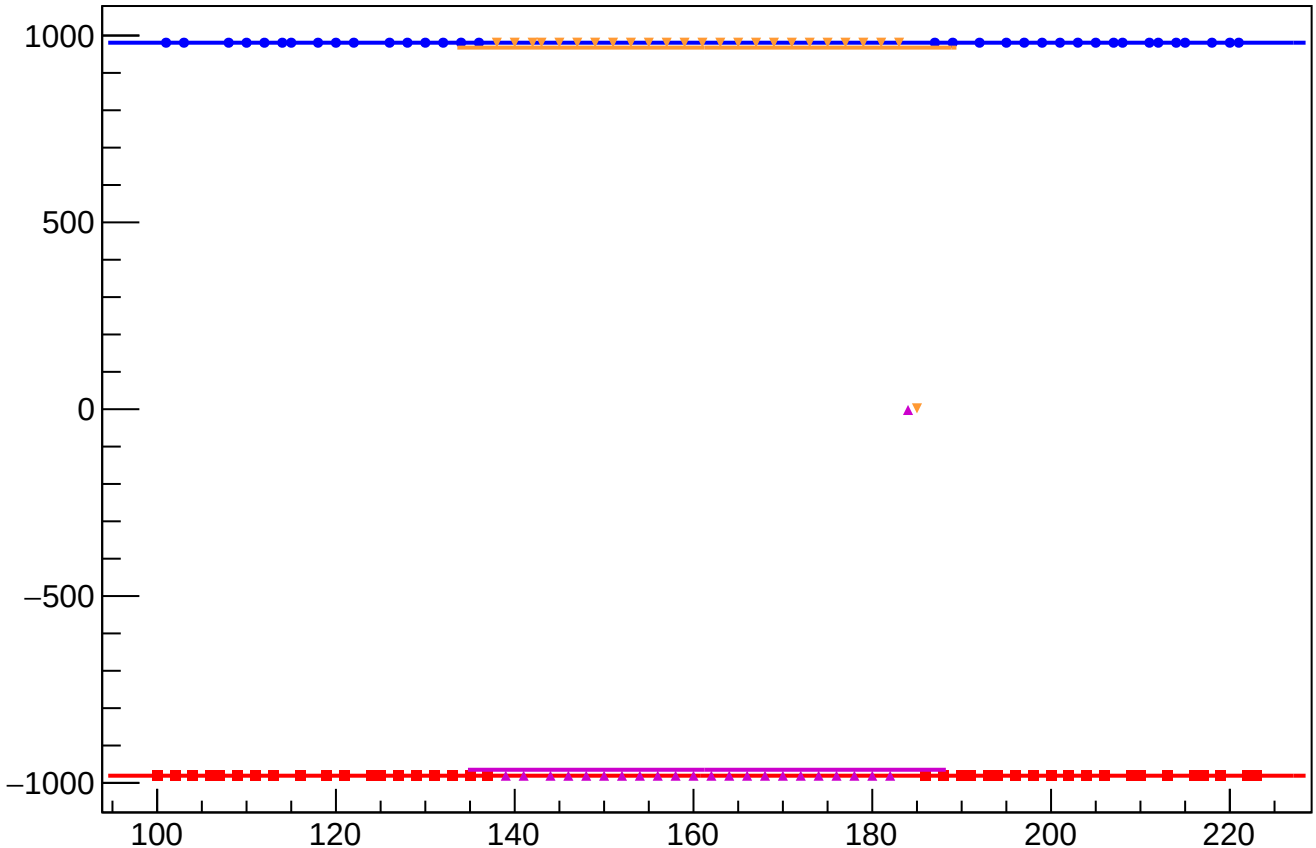
Right: -13.649+/-0.000 χ^2/NDF: 253690482803227

In: 63.988+/-0.000 χ^2/NDF:22764133224422956

Out: -56.525+/-0.000 χ^2/NDF:2387880292832396

All: 2.342+/-0.000 χ^2/NDF: 4695295320880

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.803+/-0.000 χ^2/NDF: 19620974122407553604197359288320/33

Left Out: 967.677+/-0.000 χ^2/NDF:25505155603279925641541295779633692672.0/24

Right Out: -980.784+/-0.000 χ^2/NDF: 63703609119531574504920669224960.0/38

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

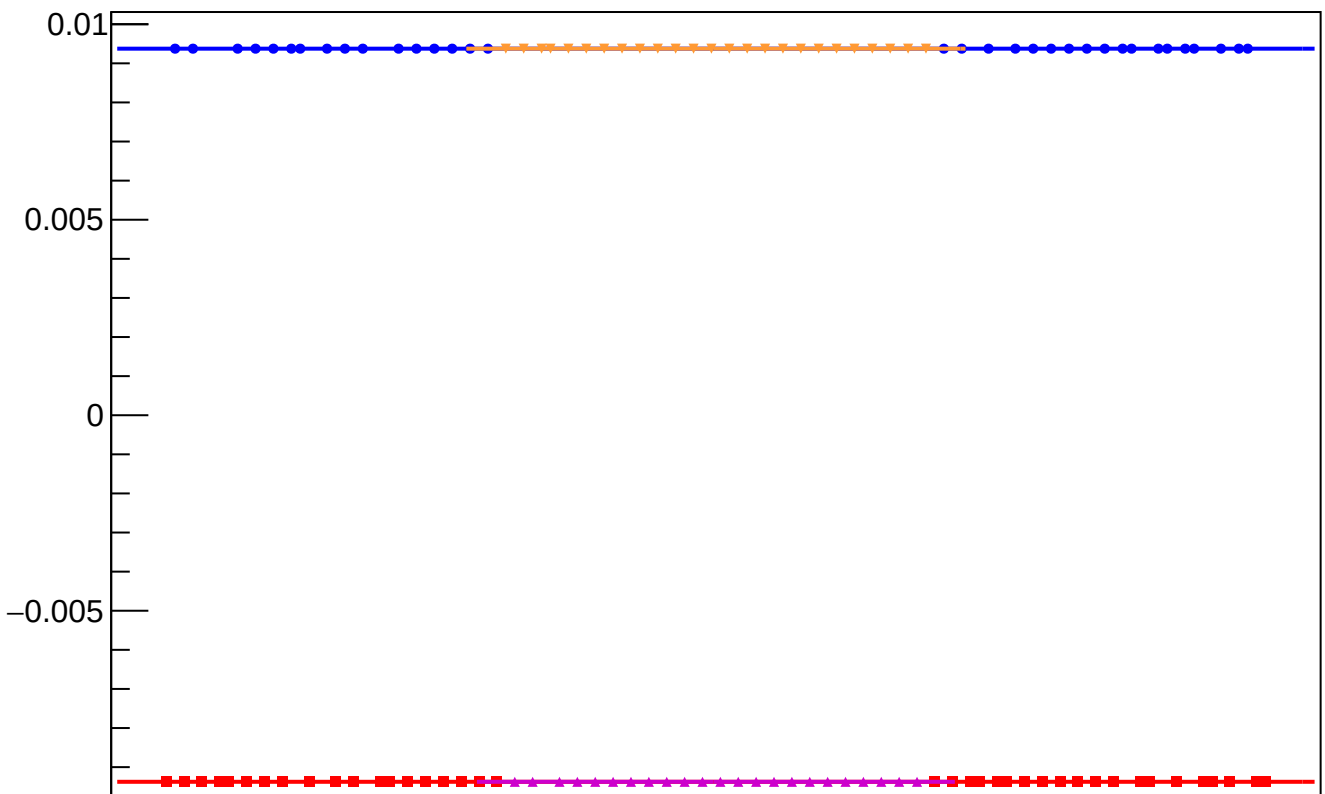
Right: -18.039+/-0.000 χ^2/NDF: 444177216435857

In: 92.133+/-0.000 χ^2/NDF:394896960045043104

Out: -81.014+/-0.000 χ^2/NDF:4148952013443738

All: 3.563+/-0.000 χ^2/NDF: 81619171213798

MQ172RM_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

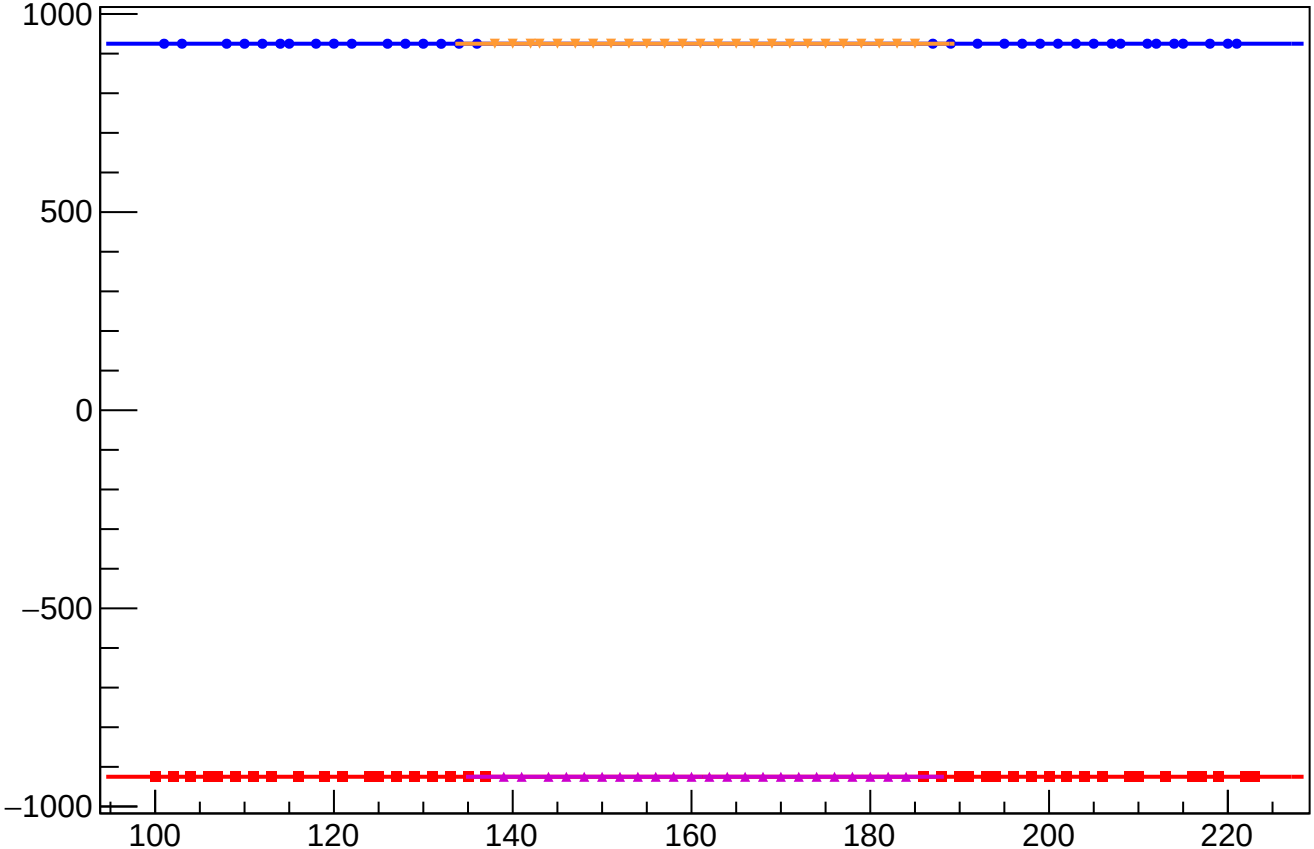
Right: -0.000+/-0.000 χ^2/NDF: 40582931911669086

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.001+/-0.000 χ^2/NDF:38183838672768777

All: 0.000+/-0.000 χ^2/NDF: 750842109402433

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.998+/-0.000 χ^2/NDF: 3878856082752694629313655341056.0/33

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.999+/-0.000 χ^2/NDF: 21152727833040437240449246167O4.0/38

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

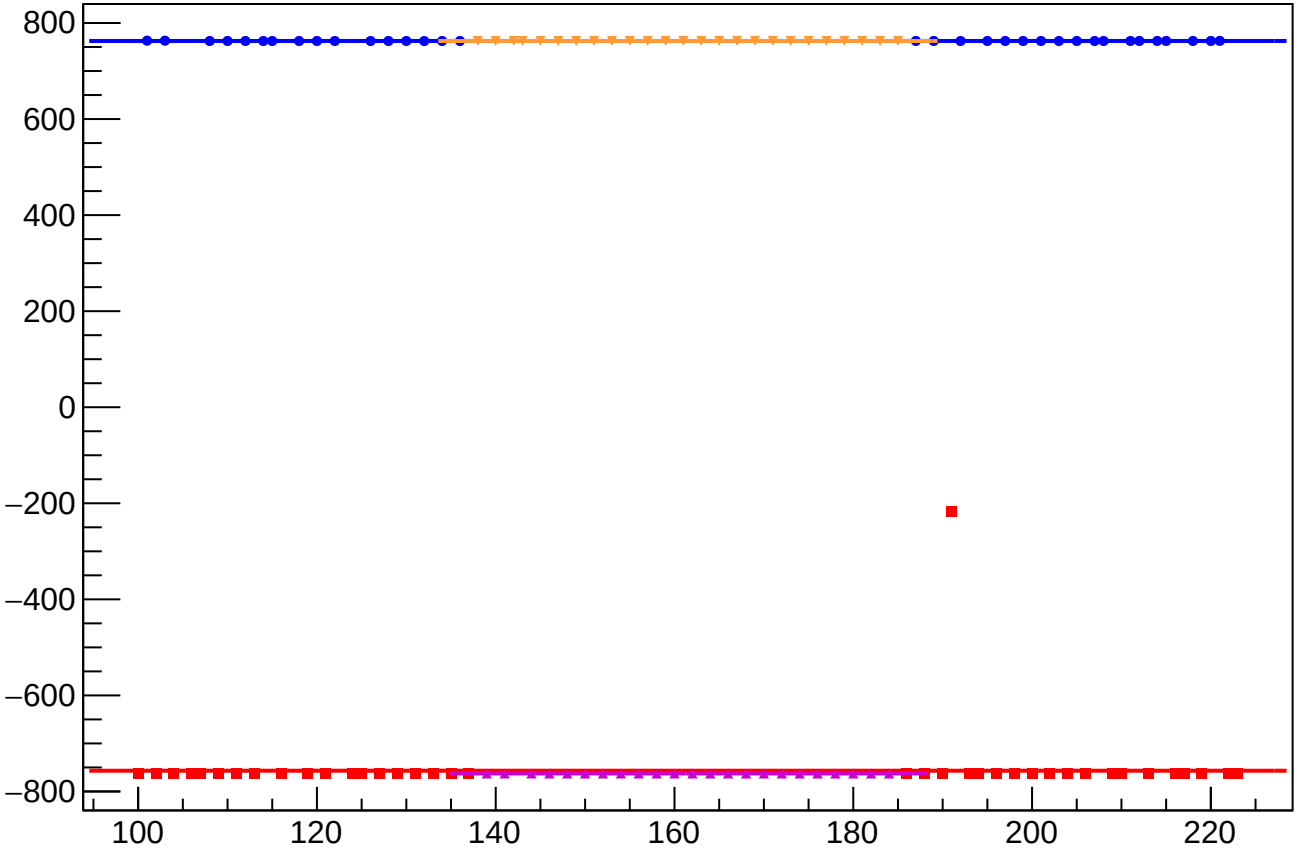
Right: -17.023+/-0.000 χ^2/NDF: 395078139459232

In: 80.027+/-0.000 χ^2/NDF:354372890332728548

Out: -70.705+/-0.000 χ^2/NDF:3717169384241744

All: 2.923+/-0.000 χ^2/NDF: 7309397167856

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.579+/-0.000 χ^2/NDF: 581319657020769562365555460014 08.0/33

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -756.791+/-0.000 χ^2/NDF: 736074496730342303794623363400 1256448.0/38

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961 7536.0/22

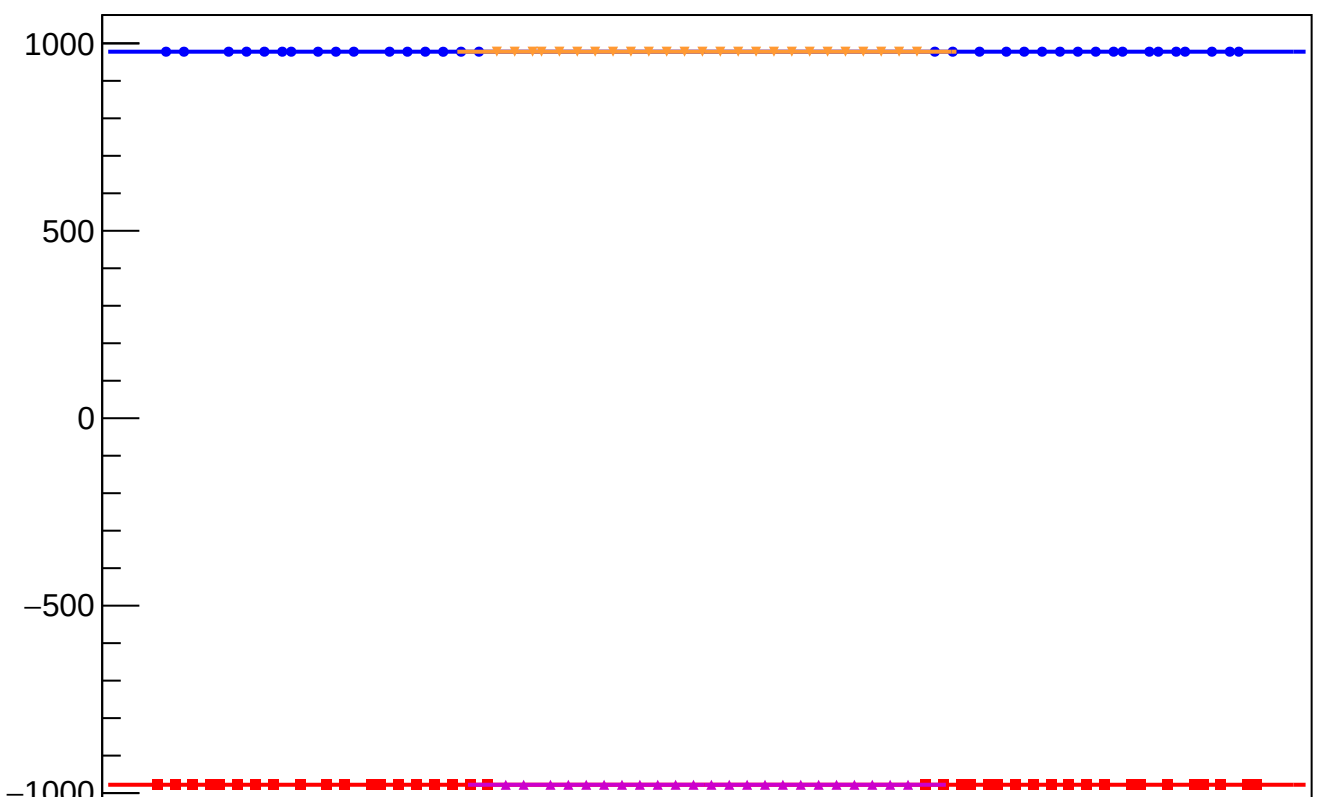
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -11.086+/-0.000 χ^2/NDF: 267217853095820

In: 65.997+/-0.000 χ^2/NDF:240835845482467240

Out: -55.197+/-0.000 χ^2/NDF:2514446724934790

All: 4.003+/-0.000 χ^2/NDF: 4954158148855



Right In: 977.761+/-0.000 χ^2/NDF: 22258504157786840016671242977280.0/33

Left Out: 977.738+/-0.000 χ^2/NDF:11784078725663365723250009047040.0/24

Right Out: -977.759+/-0.000 χ^2/NDF: 28738893324201525813284133928960.0/38

Left In: -977.735+/-0.000 χ^2/NDF:10967664376054172546270725406720.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

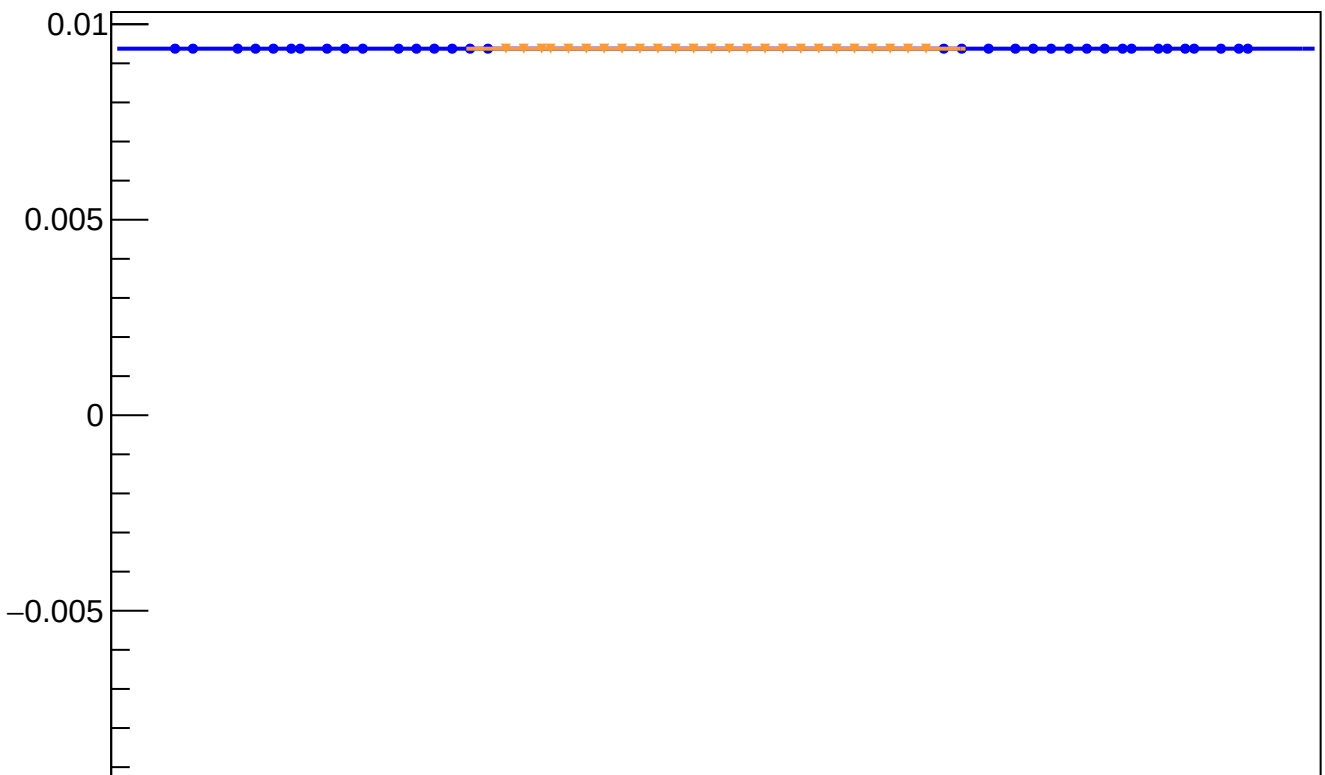
Right: -17.992+/-0.000 χ^2/NDF: 4414334353334865

In: 84.596+/-0.000 χ^2/NDF:39594964770057713

Out: -74.740+/-0.000 χ^2/NDF:4153278178104831

All: 3.091+/-0.000 χ^2/NDF: 81669684462957

hesDipole_current_mean vs Slug, Sign Corrected



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

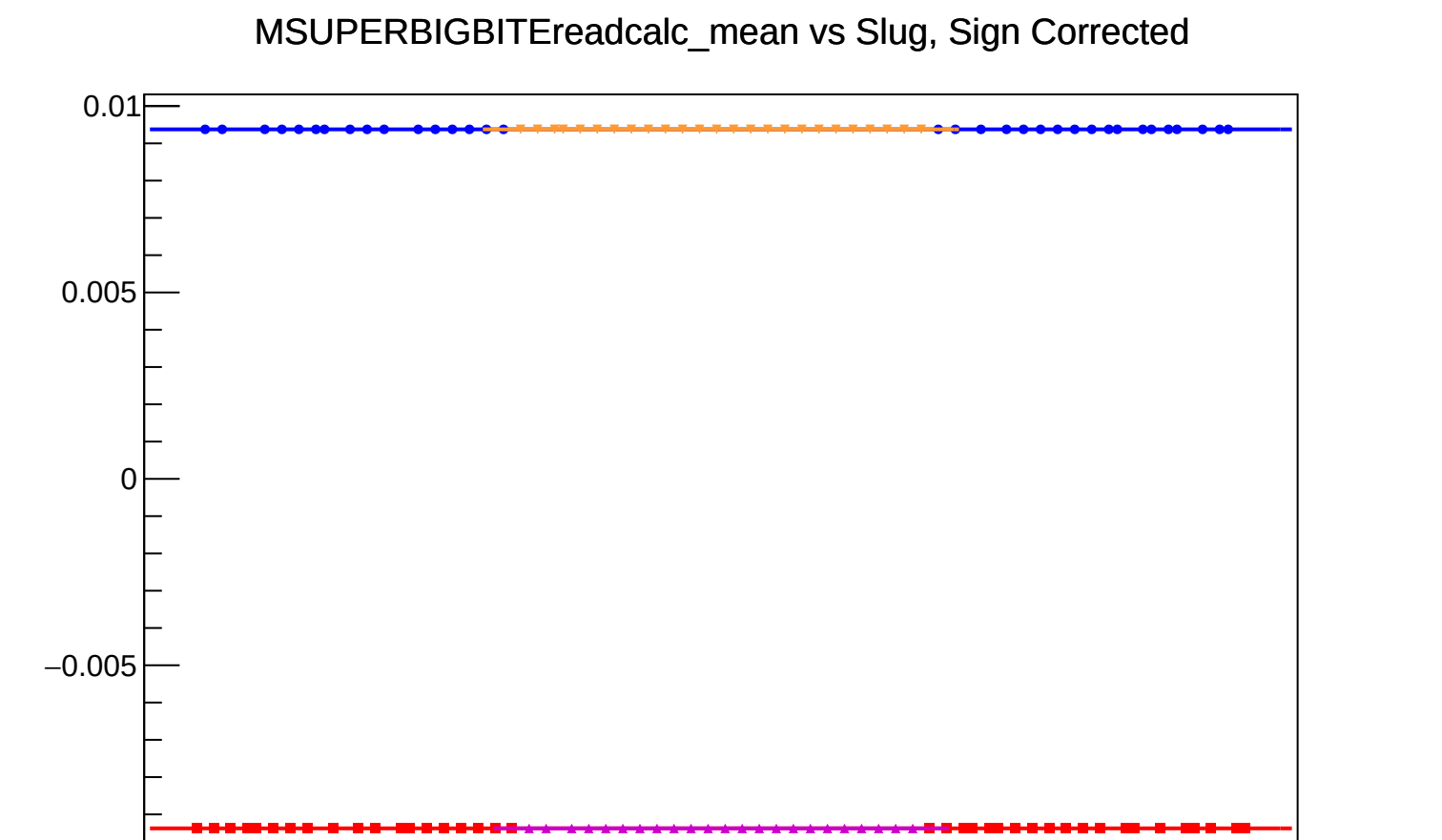
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 40582931911669080

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.001+/-0.000 χ^2/NDF:38183838672768777

All: 0.000+/-0.000 χ^2/NDF: 75084210940243



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

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

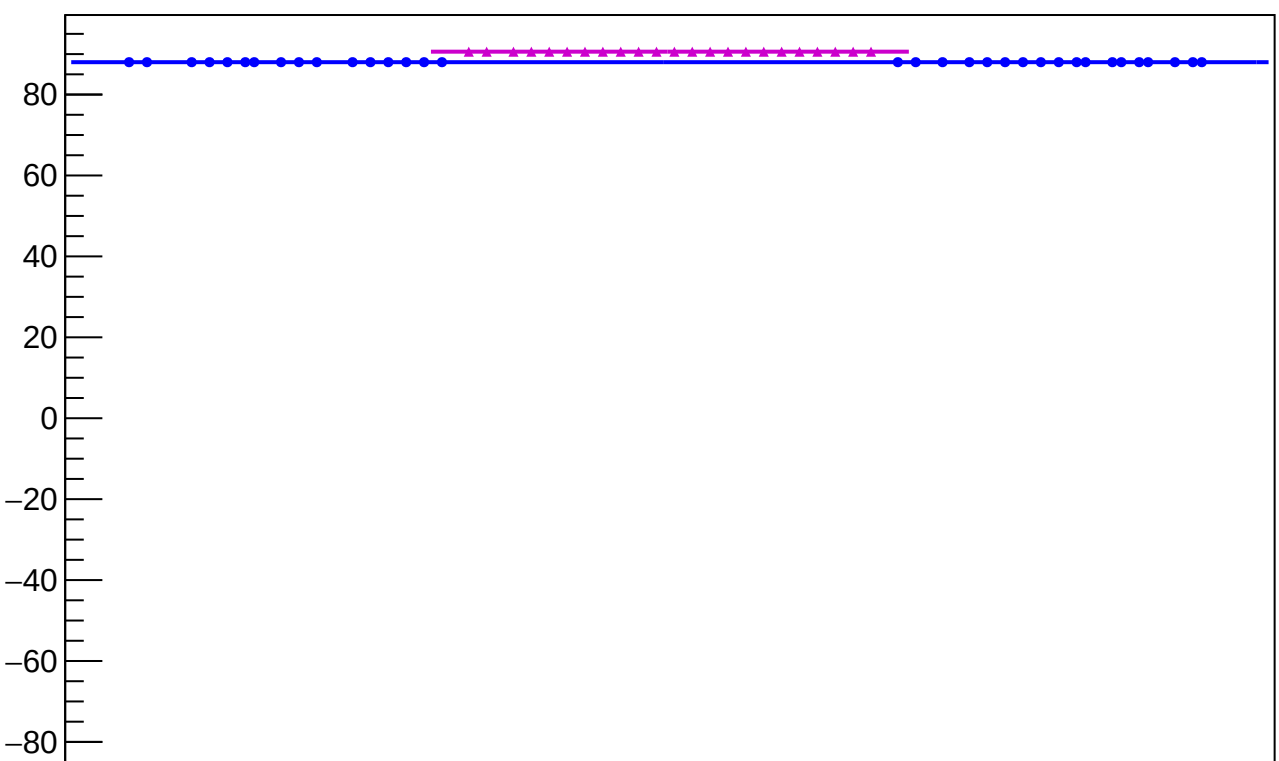
Right: -0.000+/-0.000 χ^2/NDF: 40582931911669080

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.001+/-0.000 χ^2/NDF:38183838672768777

All: 0.000+/-0.000 χ^2/NDF: 75084210940243

VWienAngle_mean vs Slug, Sign Corrected



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: 769950138429463632709251235840/38

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

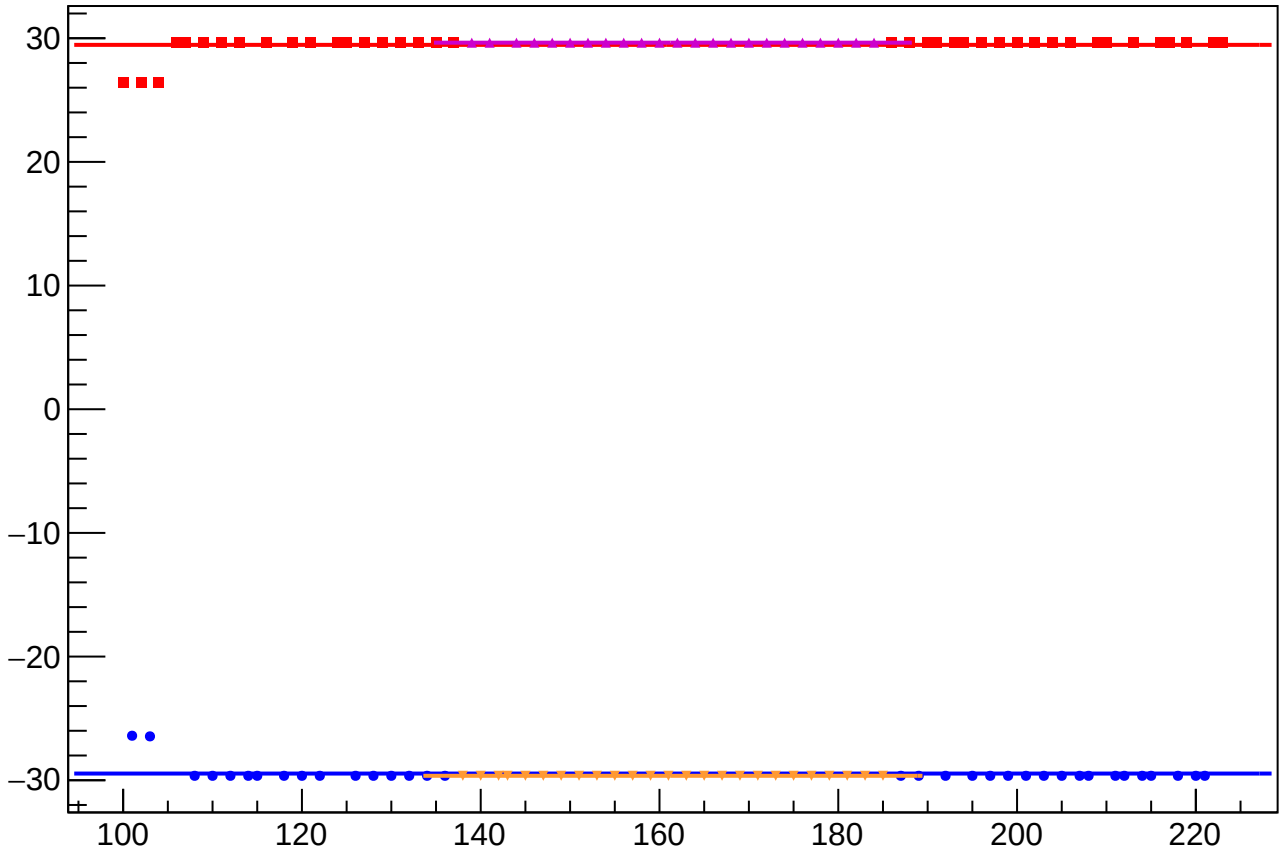
Right: -1.620+/-0.000 χ^2/NDF: 3575835077649885

In: 89.188+/-0.000 χ^2/NDF:699202239848365625

Out: -89.201+/-0.000 χ^2/NDF:7329345093932443

All: -2.064+/-0.000 χ^2/NDF: 6794319593007

HWienAngle_mean vs Slug, Sign Corrected



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

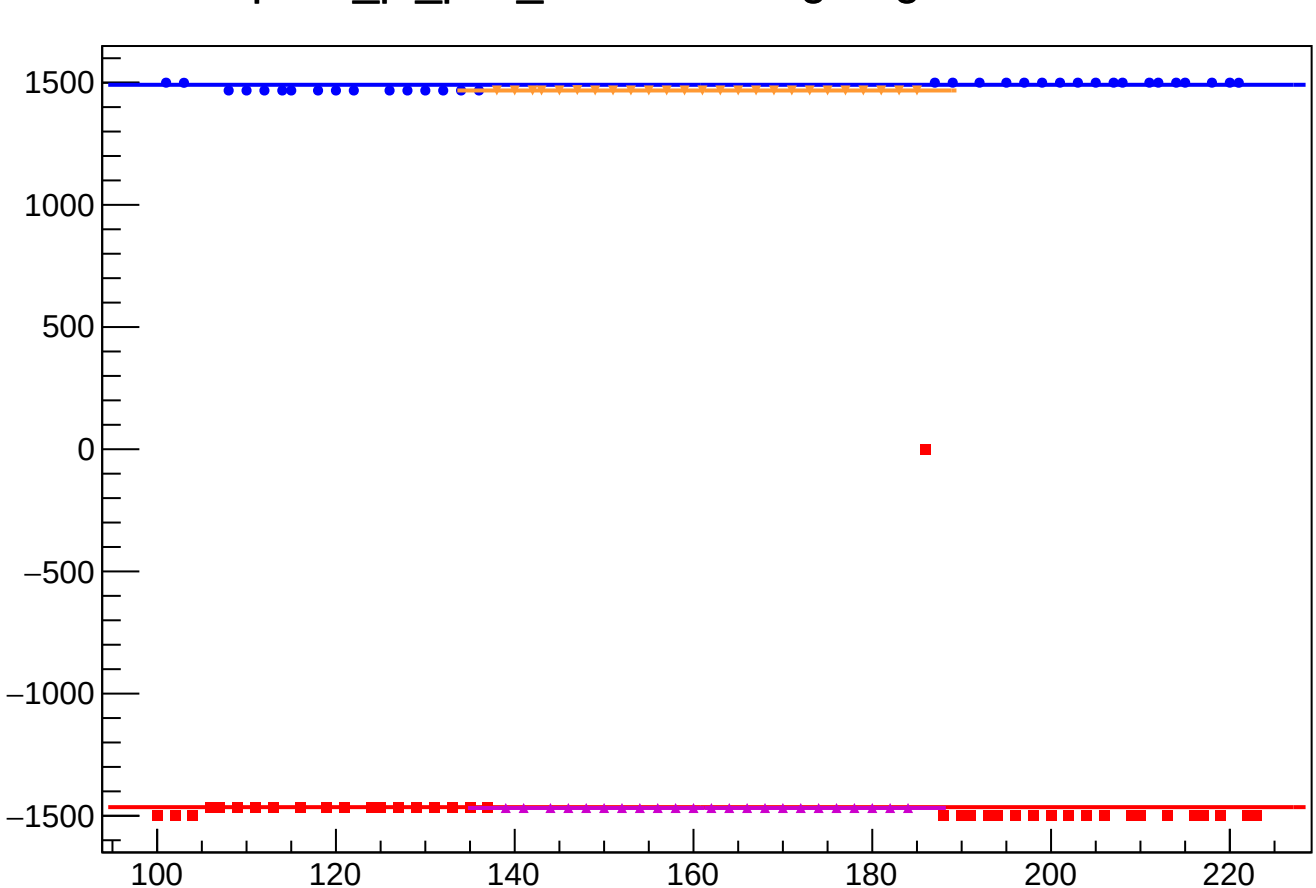
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 0.544+/-0.000 χ^2/NDF: 40102602417920131

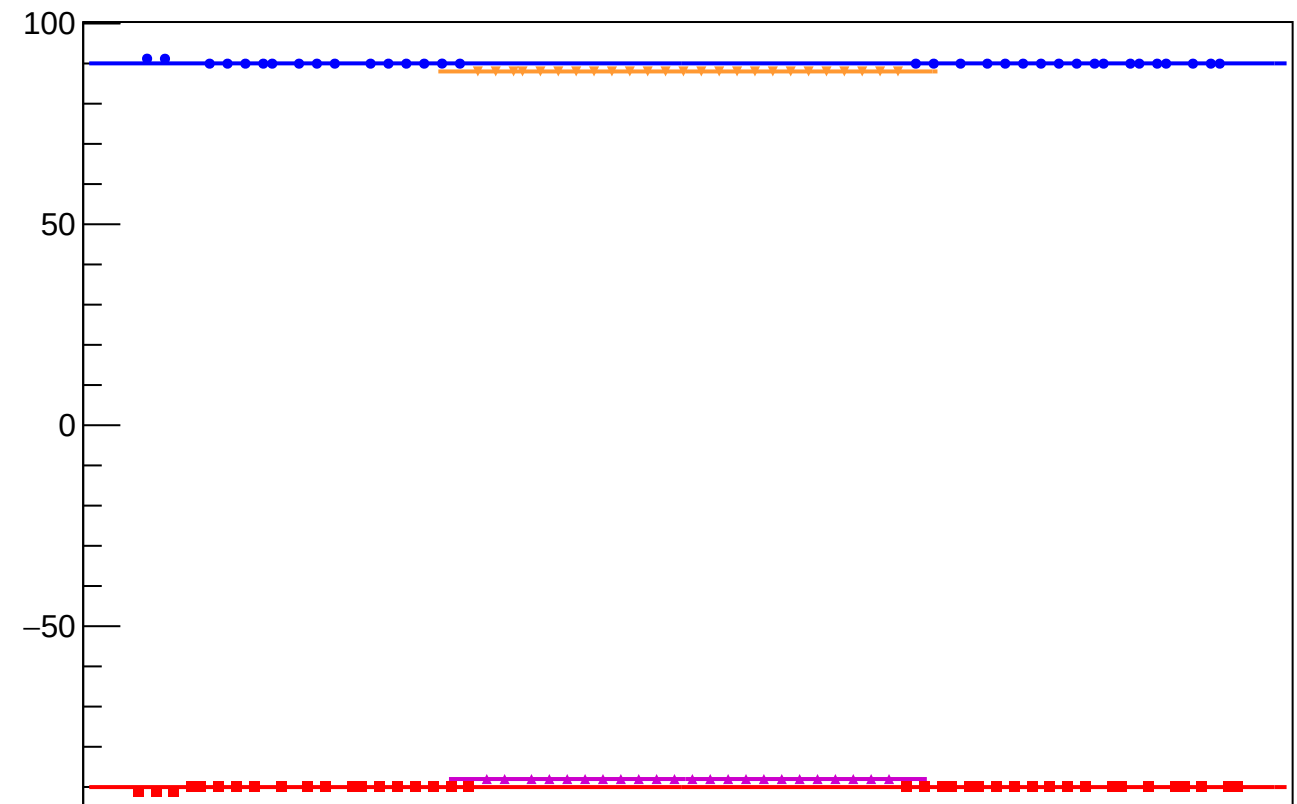
In: -2.466+/-0.000 χ^2/NDF:361783994331179254

Out: 2.170+/-0.000 χ^2/NDF:379535929667354467

All: -0.094+/-0.000 χ^2/NDF: 745906495483 5


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 1491.312+/-0.000 χ²/NDF: 45742887685890753965576013508457267 2.0/33
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
Right Out: -1464.583+/-0.000 χ²/NDF: 92198682525428579075249231918448771072.0/38
Left In: -1467.994+/-0.000 χ²/NDF:15549380898609675375522453913 6.0/22
Left: 41.929+/-0.000 χ²/NDF: 8449679330293095
Right: -13.833+/-0.000 χ²/NDF: 101786556915773
In: 139.662+/-0.000 χ²/NDF:9068333984552465
Out: -110.337+/-0.000 χ²/NDF:943318580780452
All: 11.780+/-0.000 χ²/NDF: 186349321133

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.029+/-0.000 χ^2/NDF: 1827381753824129254183111596441600.0/33

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.027+/-0.000 χ^2/NDF: 1874714877551303000962908469329920.0/38

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238480

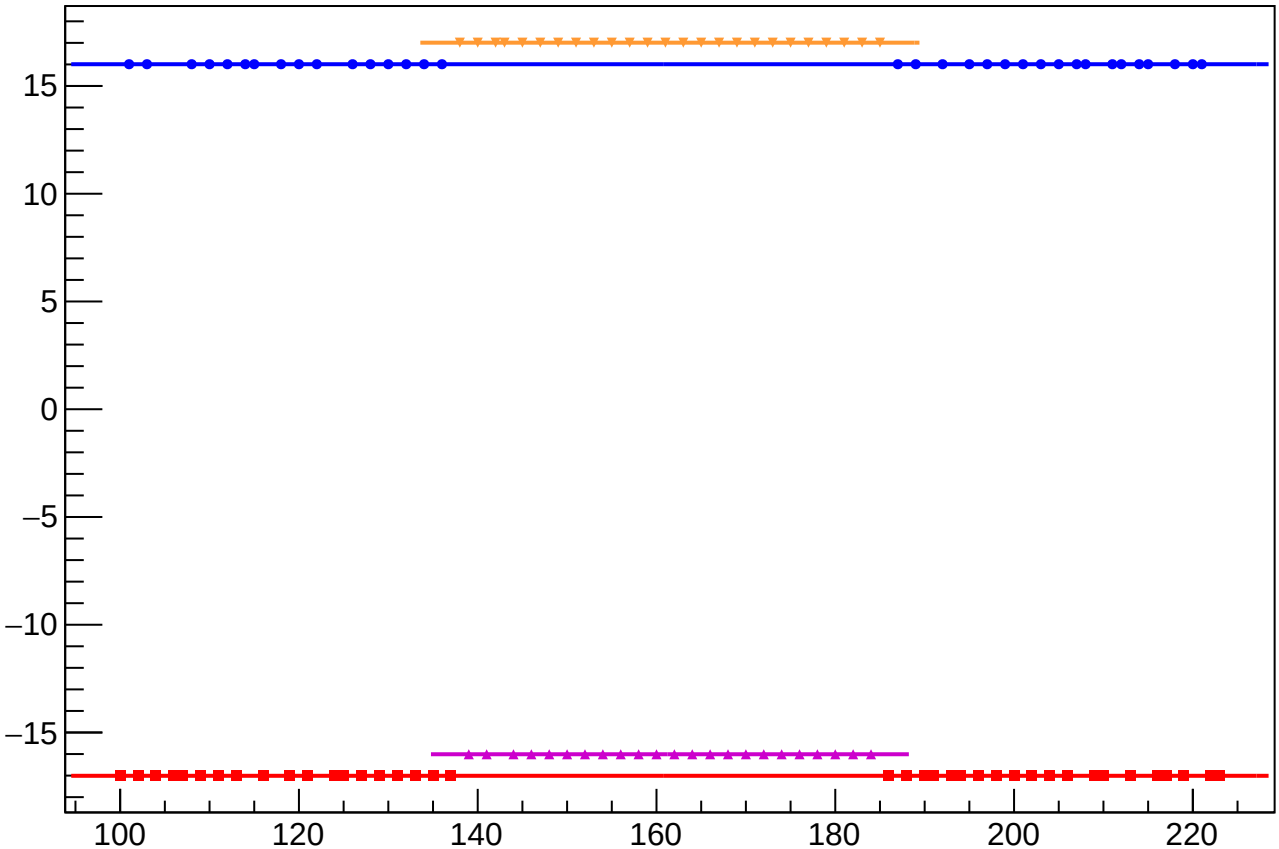
Right: -1.656+/-0.000 χ^2/NDF: 3742503220592229

In: 8.706+/-0.000 χ^2/NDF:3282549585194962820

Out: -7.807+/-0.000 χ^2/NDF:34431318683288190

All: 0.259+/-0.000 χ^2/NDF: 67838880665371

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 997451282295002295697408.0/33

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760/24

Right Out: -17.009+/-0.000 χ^2/NDF: 232565457894257287904624640/38

Left In: -16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676860

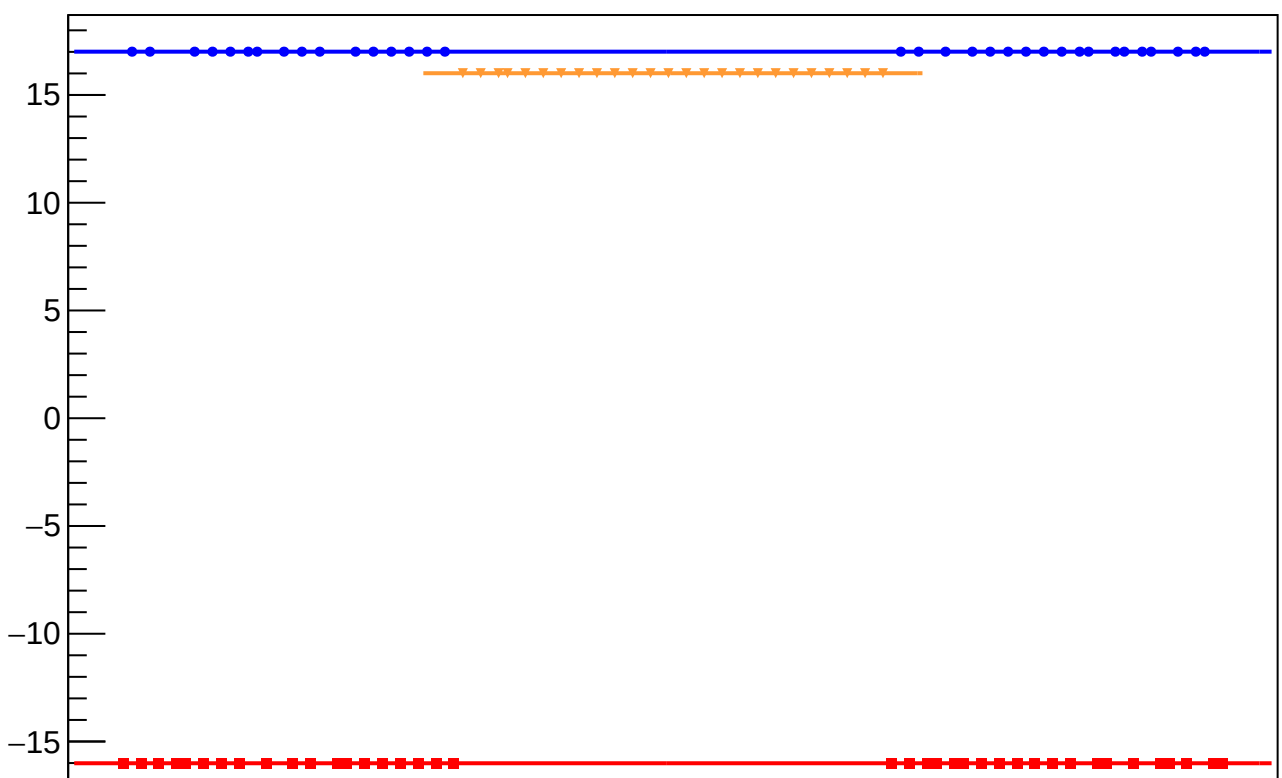
Right: -0.698+/-0.000 χ^2/NDF: 122906158858943200

In: 1.838+/-0.000 χ^2/NDF:10109214636324554660

Out: -1.679+/-0.000 χ^2/NDF:11901102256013030

All: 0.046+/-0.000 χ^2/NDF: 22262320344648

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 997608313525123214737408.0/33

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 24659232025194541350912.0/38

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

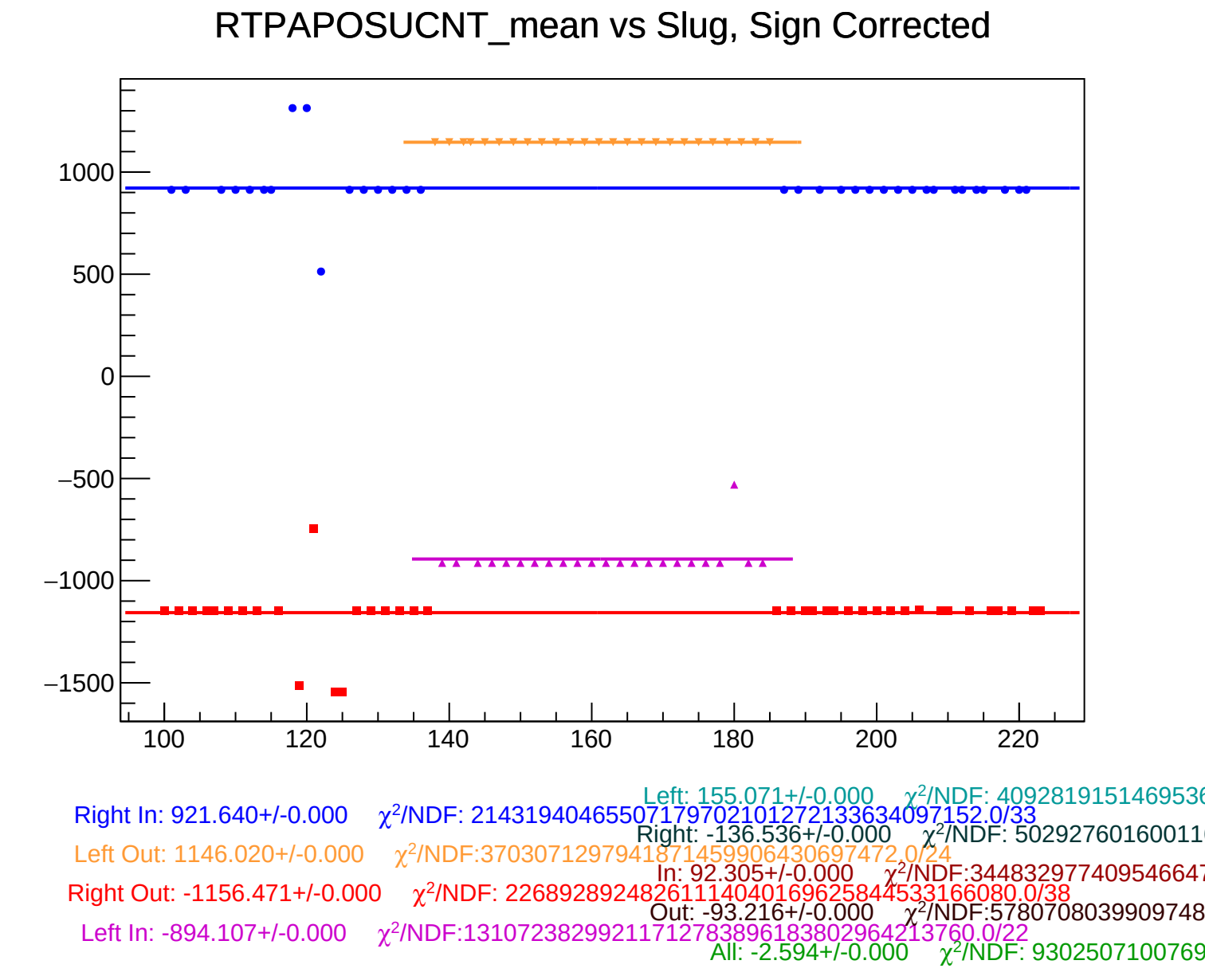
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: 0.086+/-0.000 χ^2/NDF: 12478075675872114

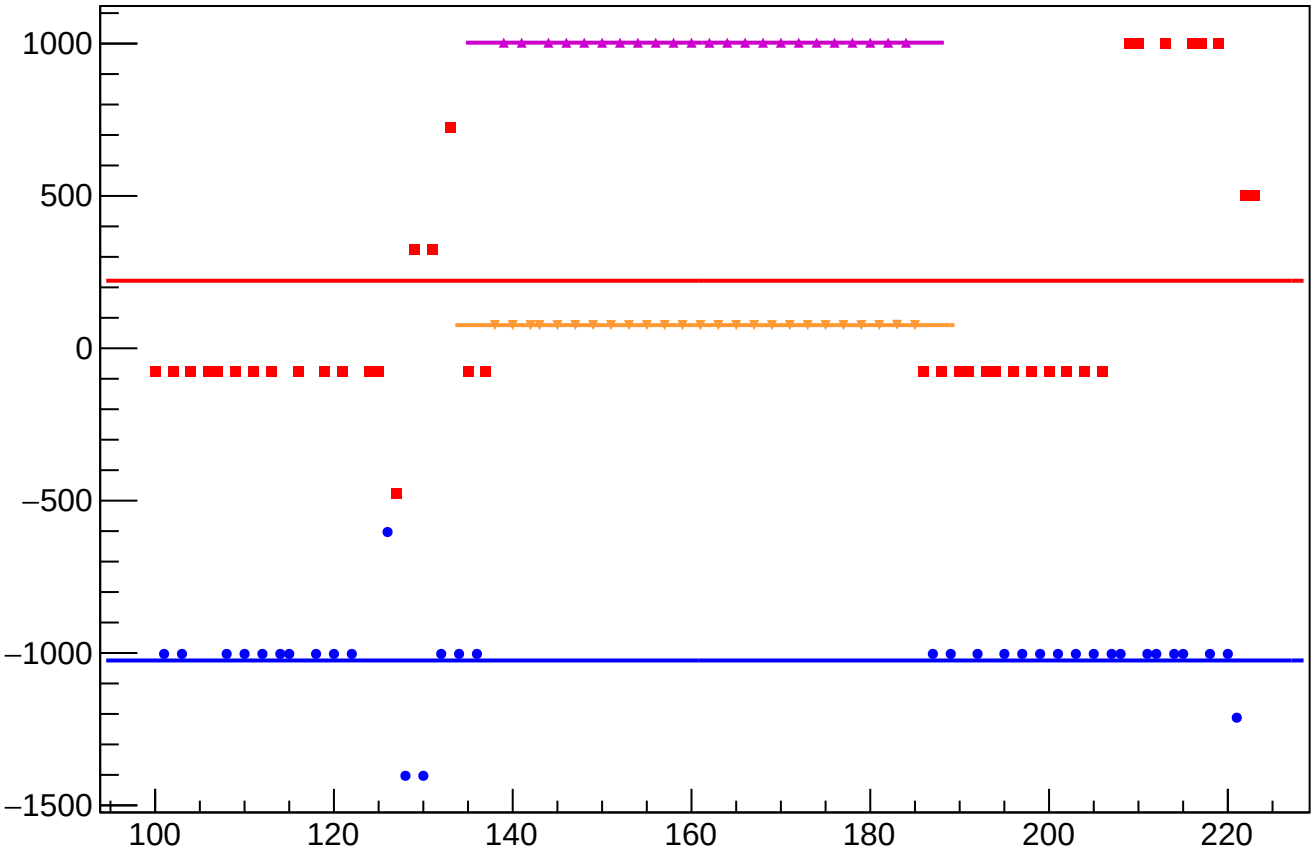
In: 1.550+/-0.000 χ^2/NDF:1174346993166712571

Out: -1.313+/-0.000 χ^2/NDF:11048573591829337

All: 0.077+/-0.000 χ^2/NDF: 22964739492963


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 921.640+/-0.000 χ²/NDF: 214319404655071797021012721336340971520/33
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974720/24
Right Out: -1156.471+/-0.000 χ²/NDF: 22689289248261114040169625844533166080.0/38
Left In: -894.107+/-0.000 χ²/NDF:13107238299211712783896183802964213760.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -136.536+/-0.000 χ²/NDF: 502927601600110
In: 92.305+/-0.000 χ²/NDF:344832977409546647
Out: -93.216+/-0.000 χ²/NDF:5780708039909748
All: -2.594+/-0.000 χ²/NDF: 9302507100769

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1024.505+/-0.000 χ^2/NDF: 2739042349254403916193959411711580569 6.0/33

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

Right Out: 221.701+/-0.000 χ^2/NDF: 4985661792519839580315905054508046090 24.0/38

Left In: 1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

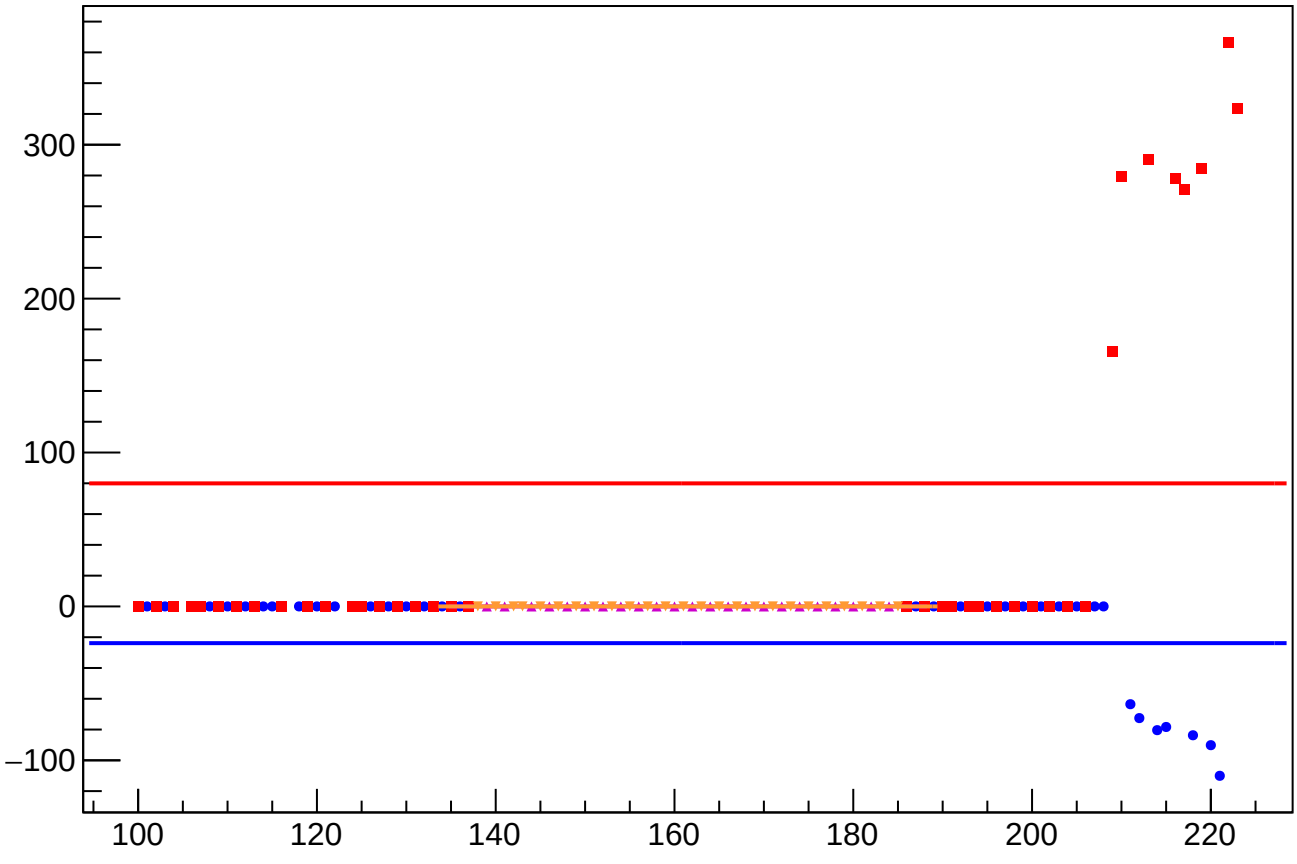
Right: -389.935+/-0.000 χ^2/NDF: 2318711937112

In: -98.455+/-0.000 χ^2/NDF:428382165242048 01

Out: 154.443+/-0.000 χ^2/NDF:5216067124246585

All: 30.910+/-0.000 χ^2/NDF: 494195331323

RTPPITA1CNT_mean vs Slug, Sign Corrected



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: 39701005204213069311948948652517490688.0/38

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

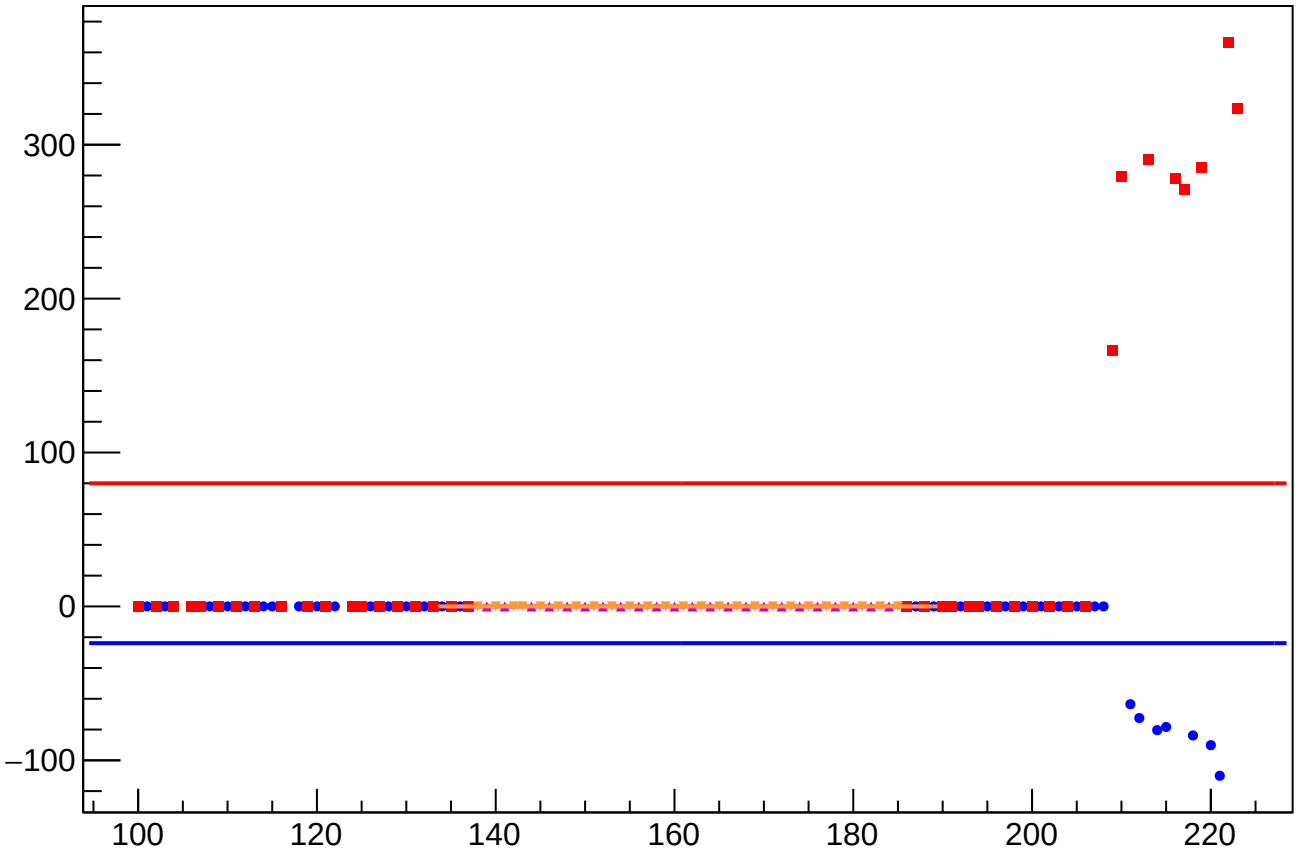
Right: 29.002+/-0.000 χ^2/NDF: 5549862876759722

In: -12.965+/-0.000 χ^2/NDF:39465612498290183

Out: 43.036+/-0.000 χ^2/NDF:46642224011401486

All: 15.681+/-0.000 χ^2/NDF: 5728316219350

RTPPITA2CNT_mean vs Slug, Sign Corrected



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: 39716216983596451006244452269293568000.0/38

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466 23

Right: 29.014+/-0.000 χ^2/NDF: 5552290945329763

In: -12.968+/-0.000 χ^2/NDF:39481865519335924

Out: 43.050+/-0.000 χ^2/NDF:46662131138882790

All: 15.687+/-0.000 χ^2/NDF: 5730883141822