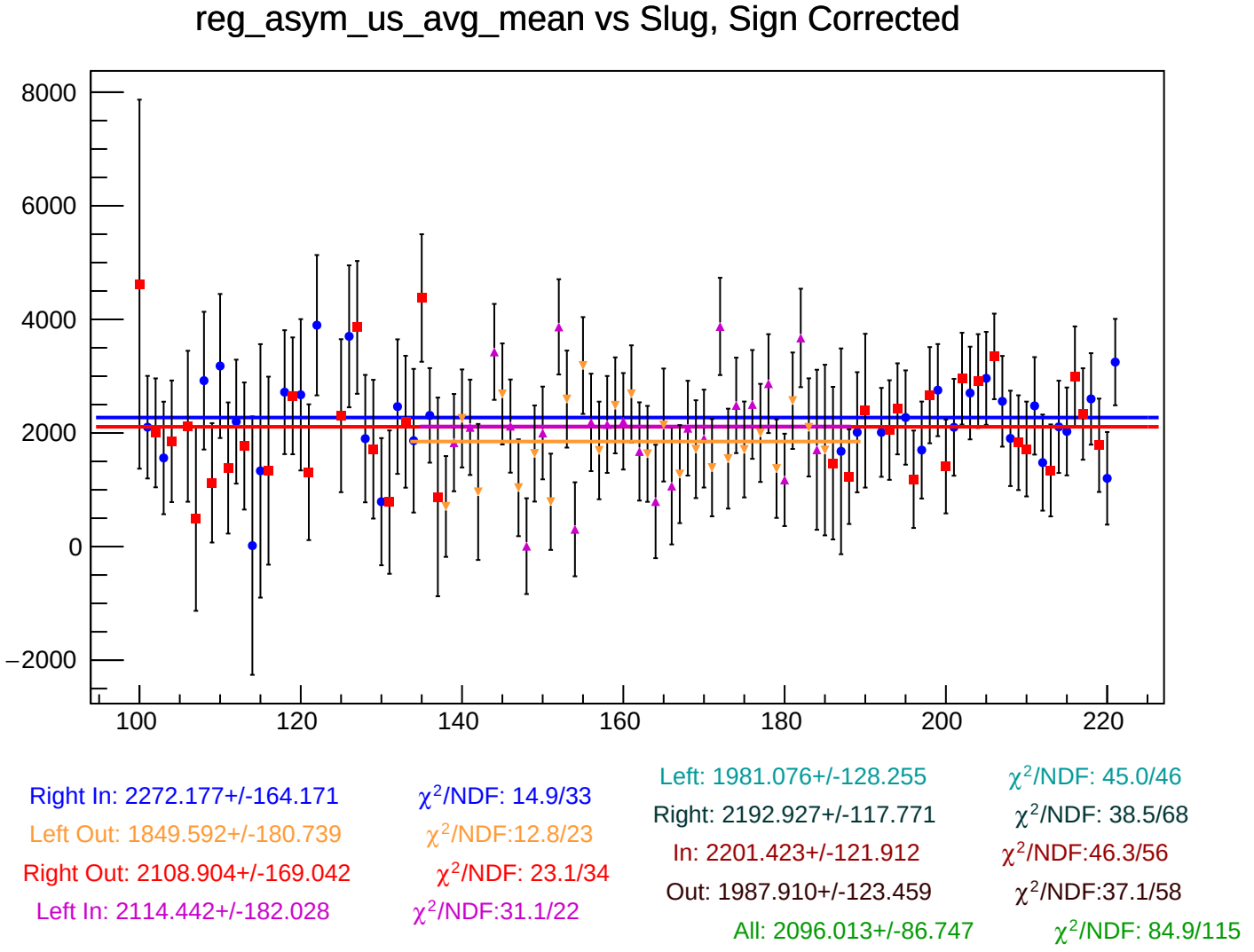
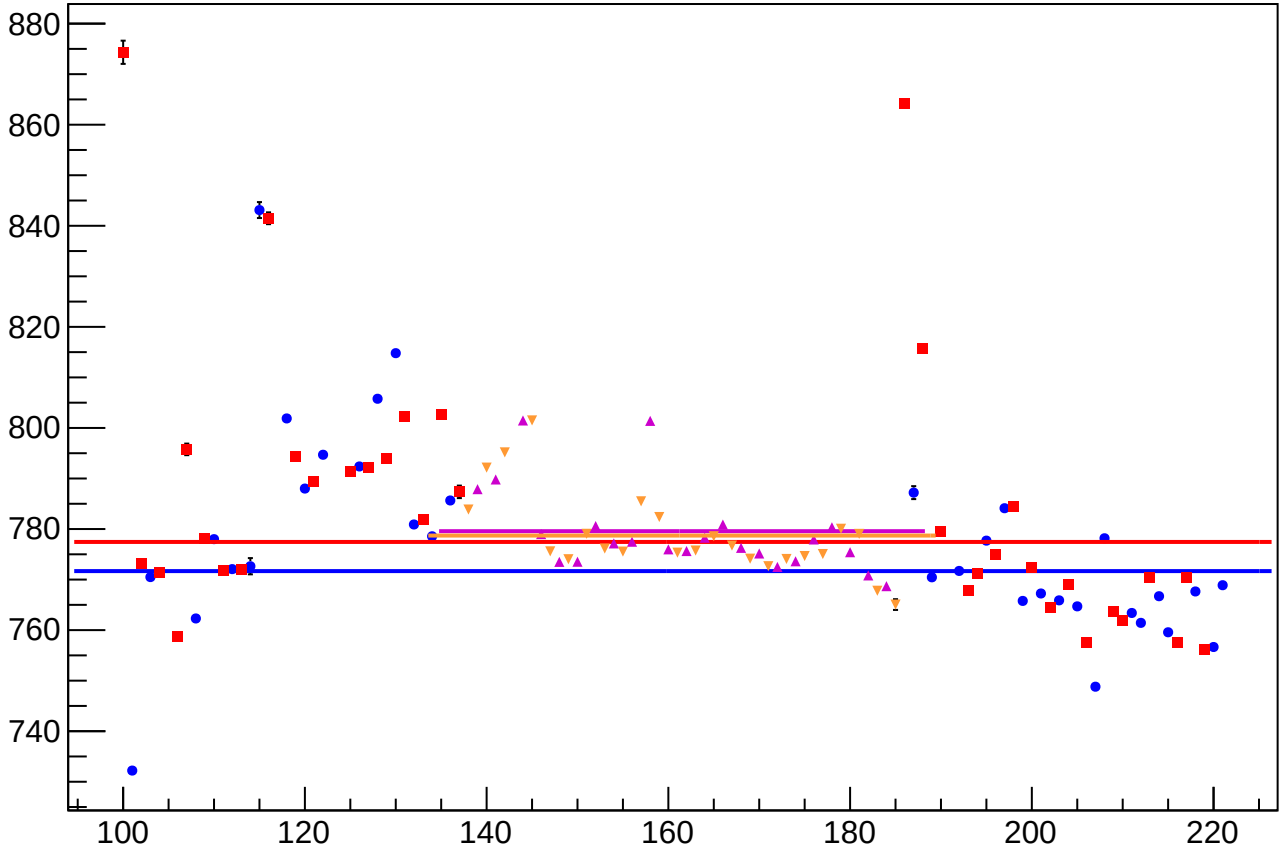

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2272.177+/-164.171
χ²/NDF: 14.9/33
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2108.904+/-169.042
χ²/NDF: 23.1/34
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2192.927+/-117.771
χ²/NDF: 38.5/68
In: 2201.423+/-121.912
χ²/NDF:46.3/56
Out: 1987.910+/-123.459
χ²/NDF:37.1/58
All: 2096.013+/-86.747
χ²/NDF: 84.9/115

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: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

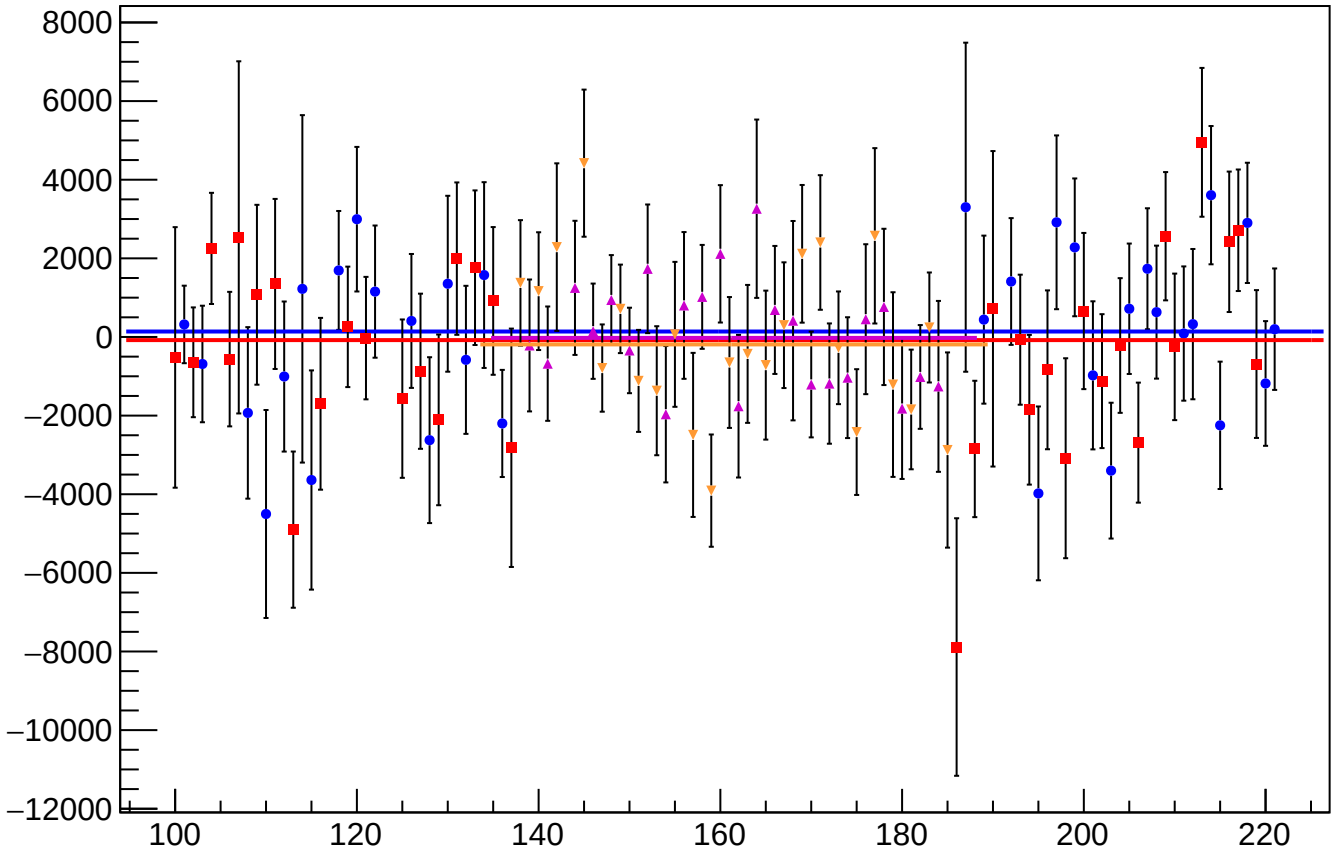
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.478+/-0.083 χ^2/NDF: 48845.2/68

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

Out: 778.035+/-0.087 χ^2/NDF:31762.9/58

All: 776.610+/-0.061 χ^2/NDF: 57863.7/115



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: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

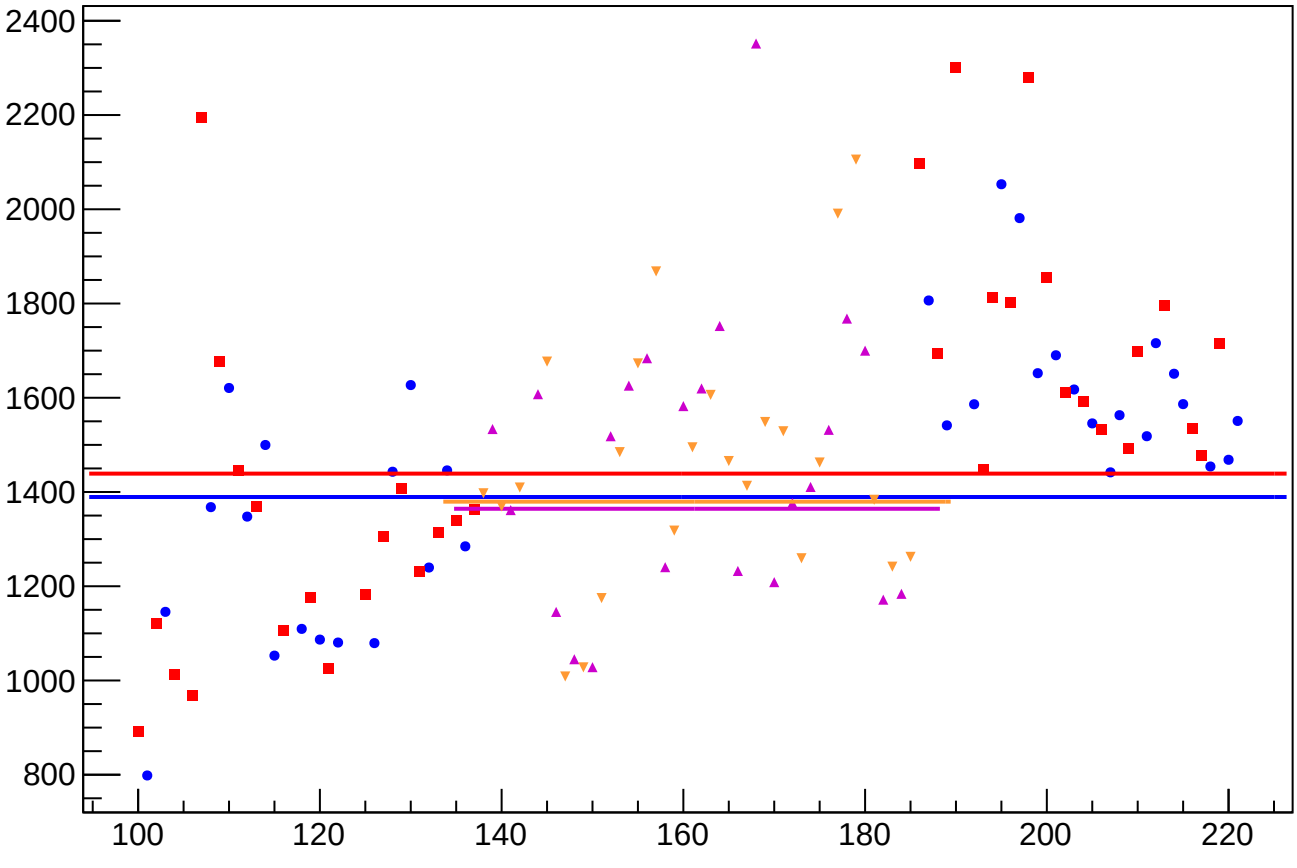
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 35.938+/-220.595 χ^2/NDF: 84.1/68

In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -133.189+/-229.399 χ^2/NDF:74.0/58

All: -31.706+/-159.548 χ^2/NDF: 127.5/115



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: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

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

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

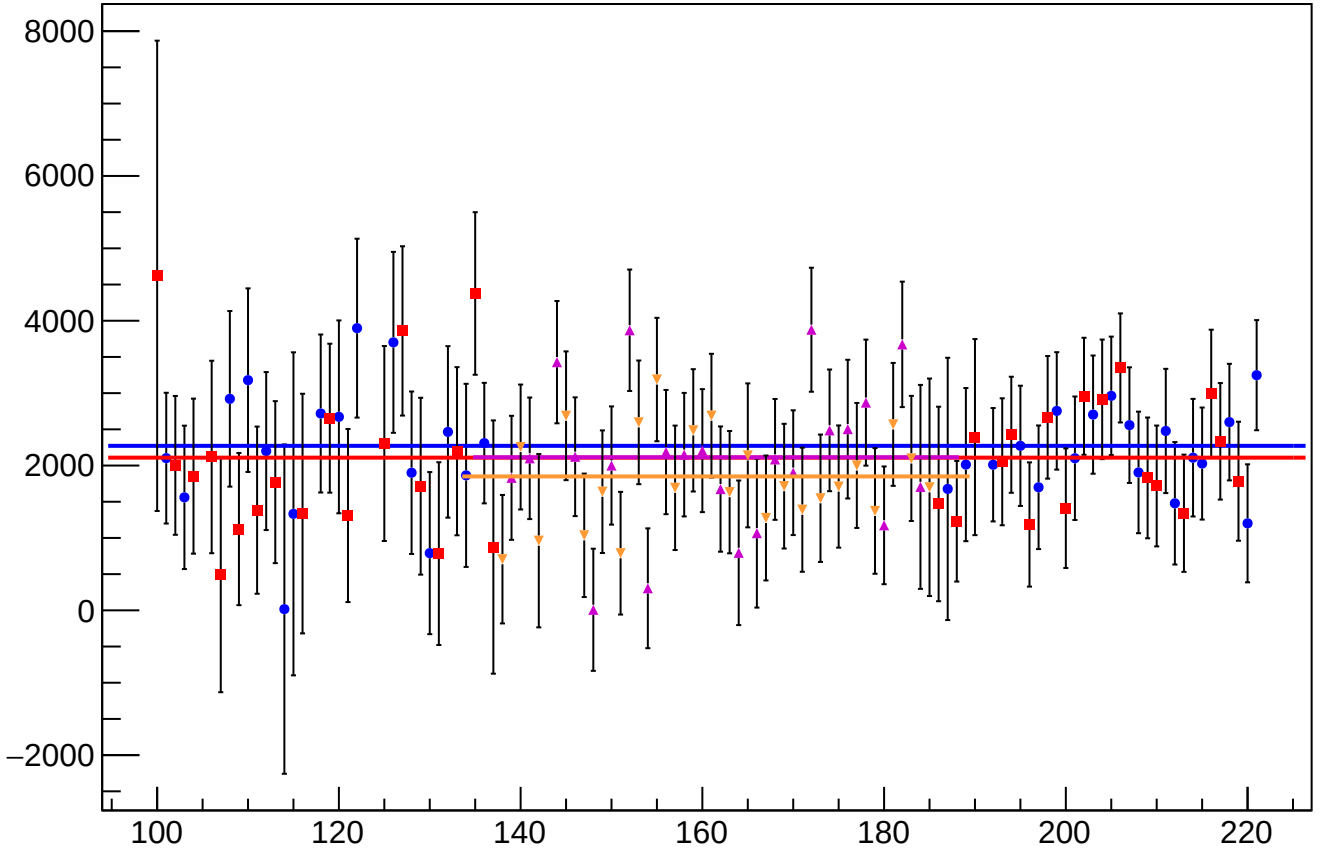
Right: 1412.776+/-0.156 χ^2/NDF: 3650465.3/68

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

Out: 1409.860+/-0.162 χ^2/NDF:2962438.0/58

All: 1393.297+/-0.113 χ^2/NDF: 6156075.3/11

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: 2108.904+/-169.042 χ^2/NDF: 23.1/34

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

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

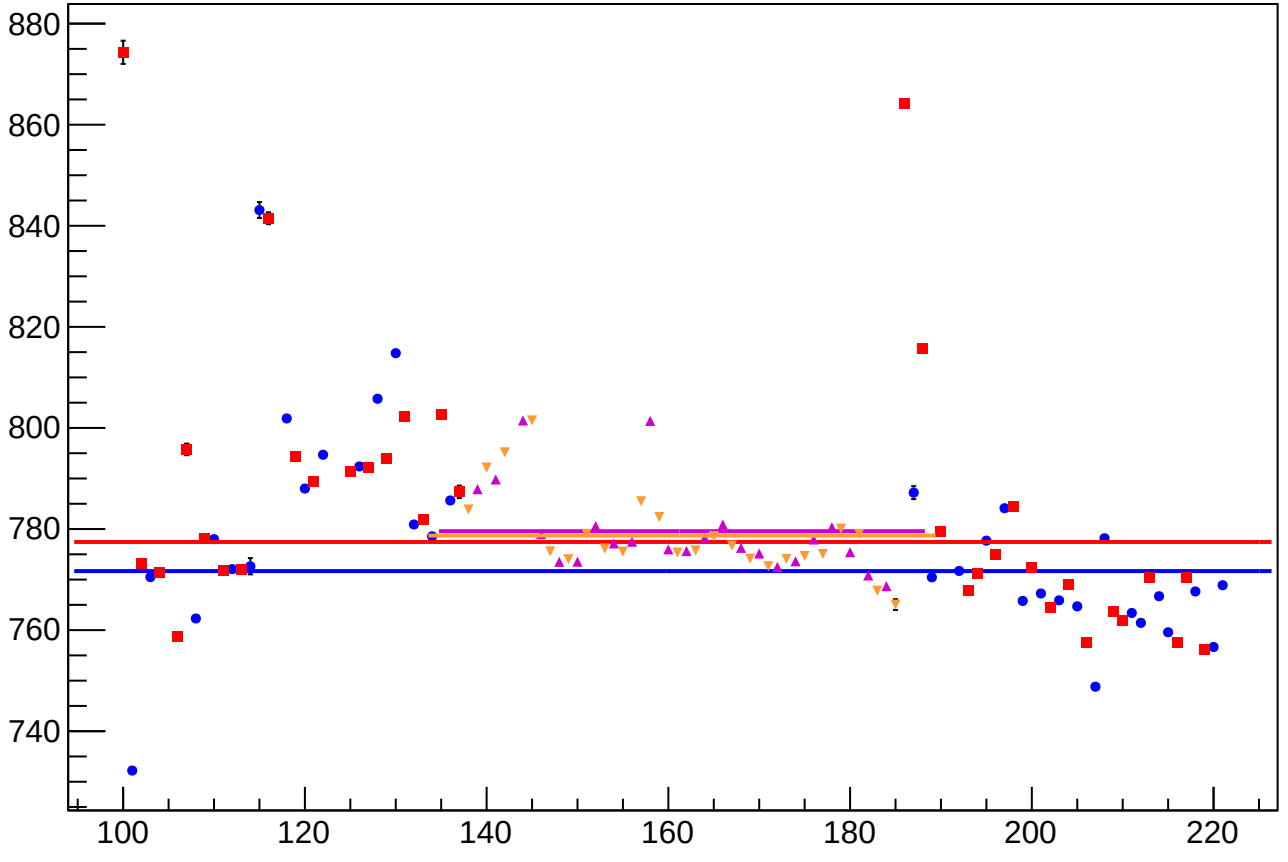
Right: 2192.927+/-117.771 χ^2/NDF: 38.5/68

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

Out: 1987.910+/-123.459 χ^2/NDF:37.1/58

All: 2096.013+/-86.747 χ^2/NDF: 84.9/115

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: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

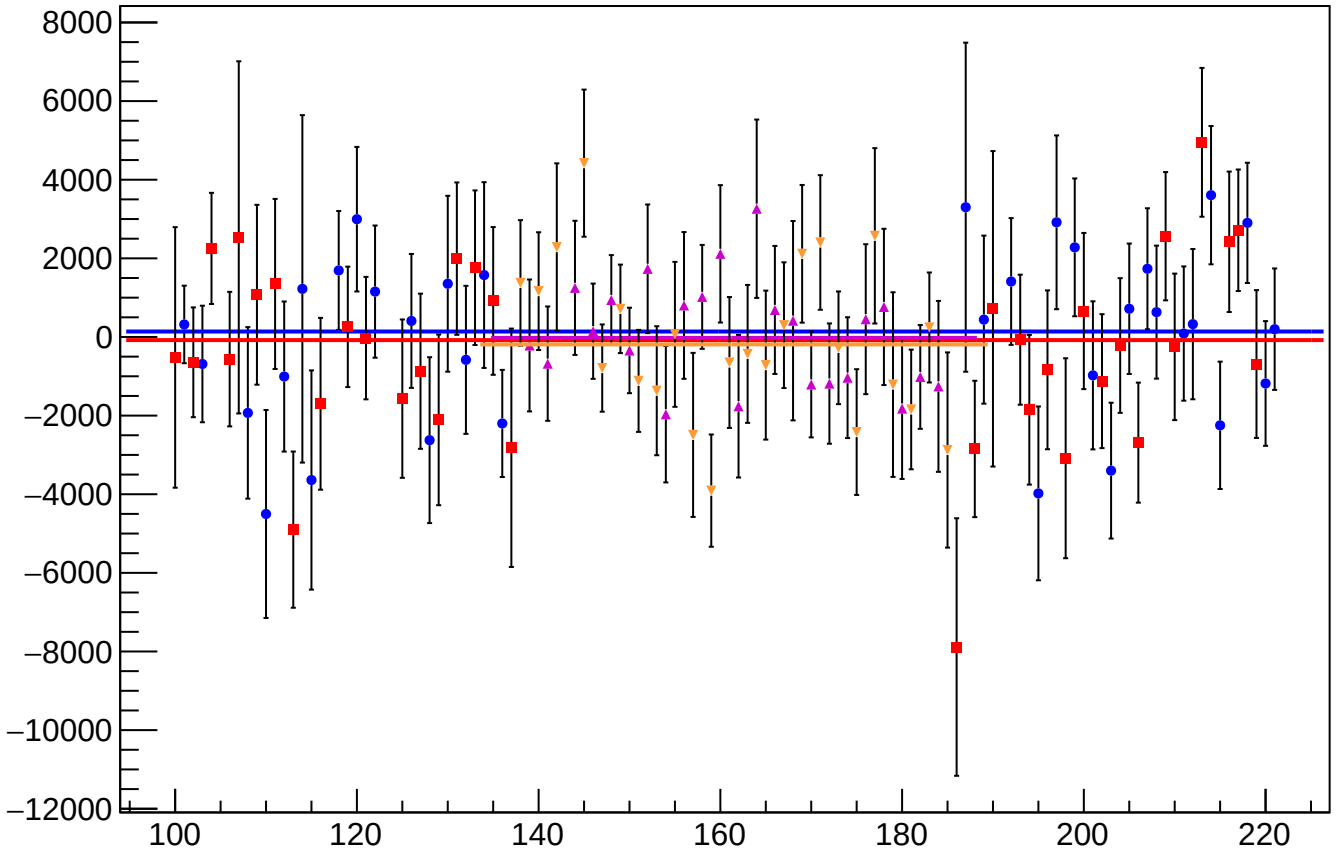
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.478+/-0.083 χ^2/NDF: 48845.2/68

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

Out: 778.035+/-0.087 χ^2/NDF:31762.9/58

All: 776.610+/-0.061 χ^2/NDF: 57863.7/115



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: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

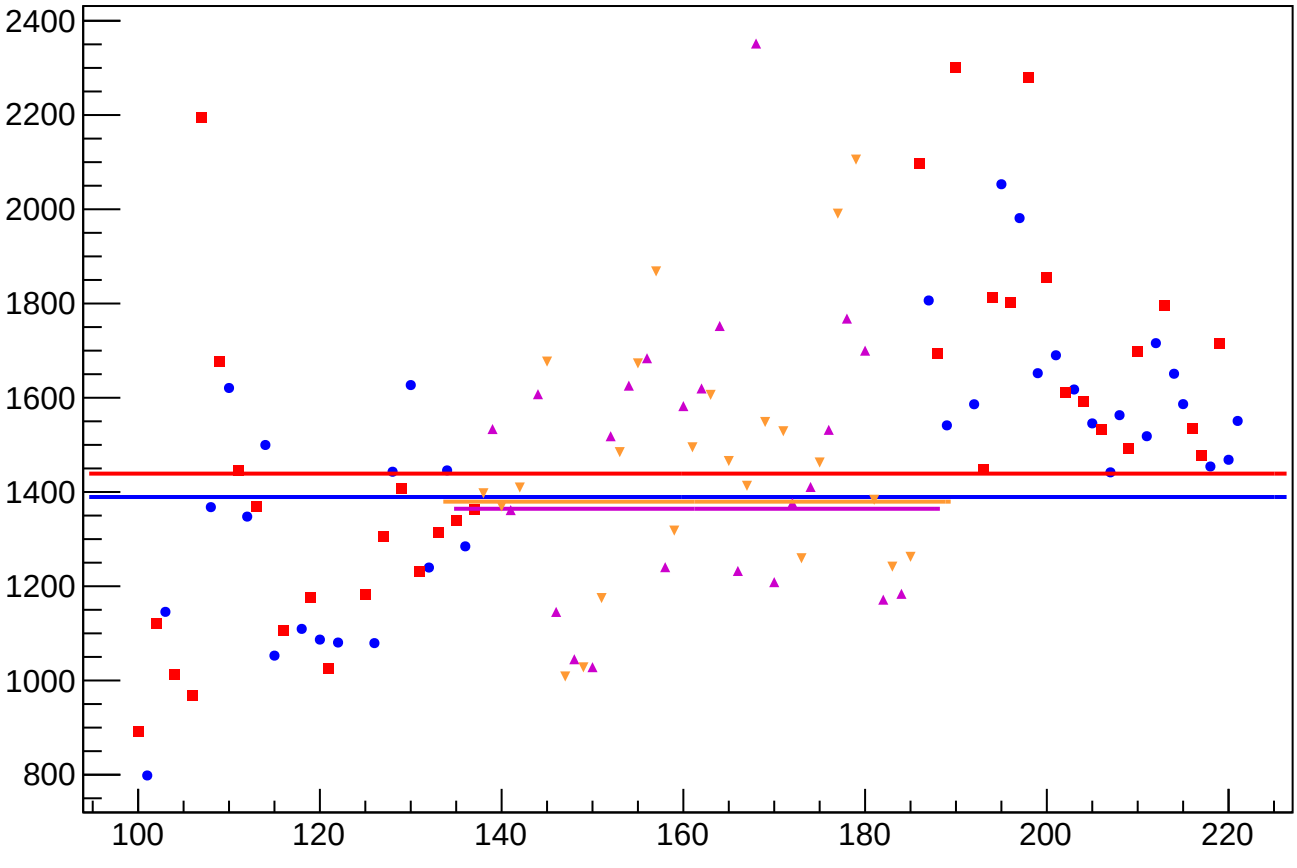
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 35.938+/-220.595 χ^2/NDF: 84.1/68

In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -133.189+/-229.399 χ^2/NDF:74.0/58

All: -31.706+/-159.548 χ^2/NDF: 127.5/115



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: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

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

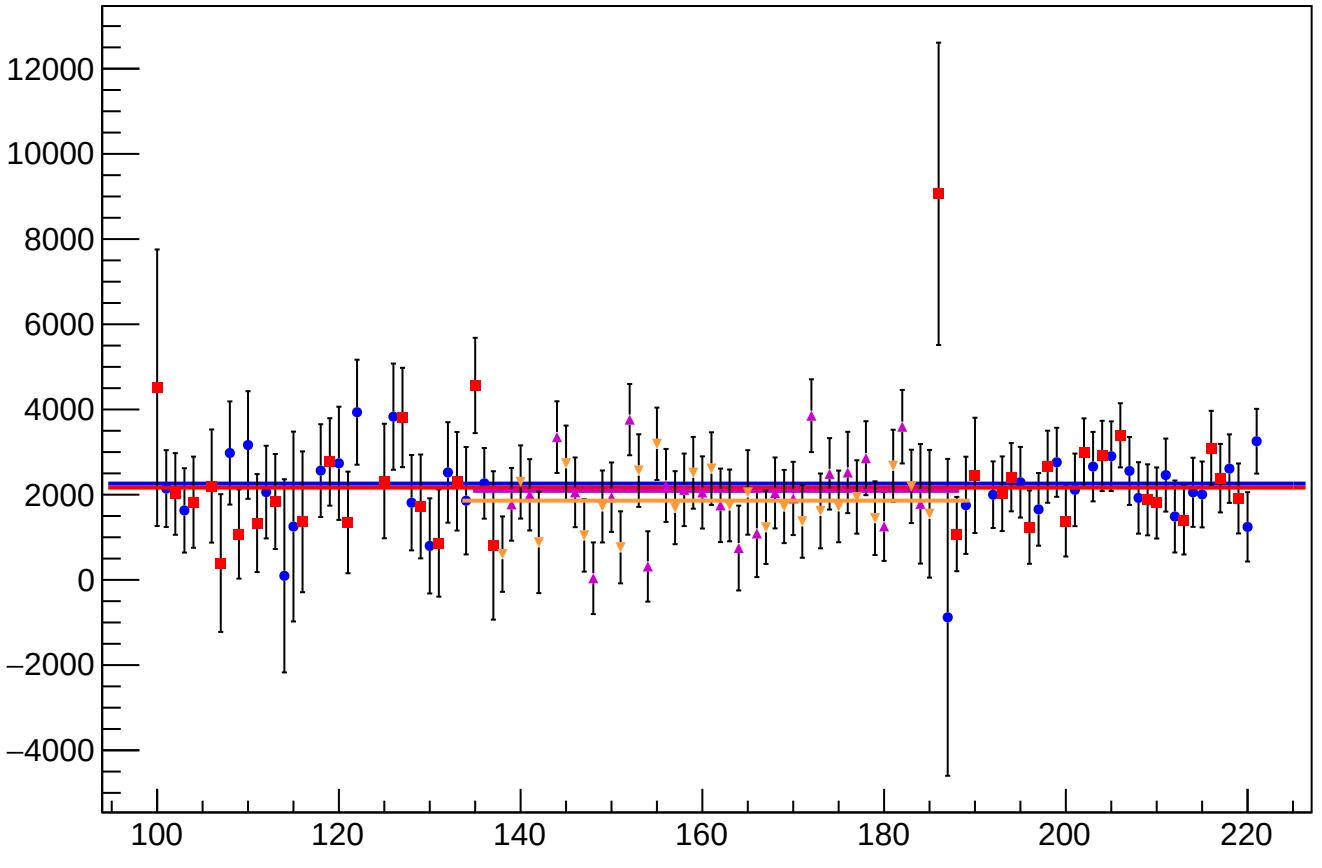
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1412.776+/-0.156 χ^2/NDF: 3650465.3/68

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

Out: 1409.860+/-0.162 χ^2/NDF:2962438.0/58

All: 1393.297+/-0.113 χ^2/NDF: 6156075.3/11



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: 2165.929+/-170.304 χ^2/NDF: 27.9/34

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

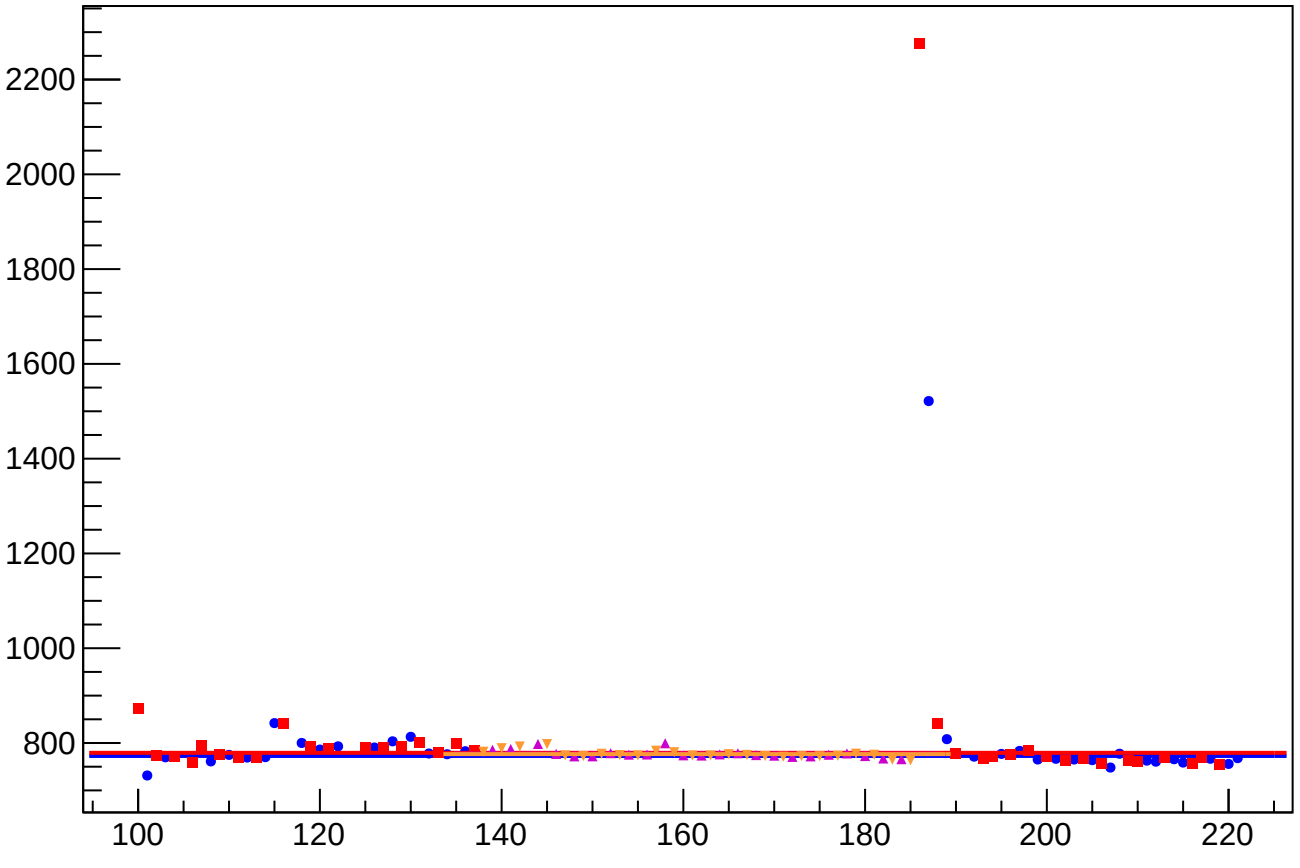
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2214.621+/-118.404 χ^2/NDF: 43.8/68

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

Out: 2021.399+/-123.784 χ^2/NDF:42.9/58

All: 2103.427+/-86.886 χ^2/NDF: 89.6/115



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: 779.303+/-0.120 χ^2/NDF: 382786.5/34

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

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

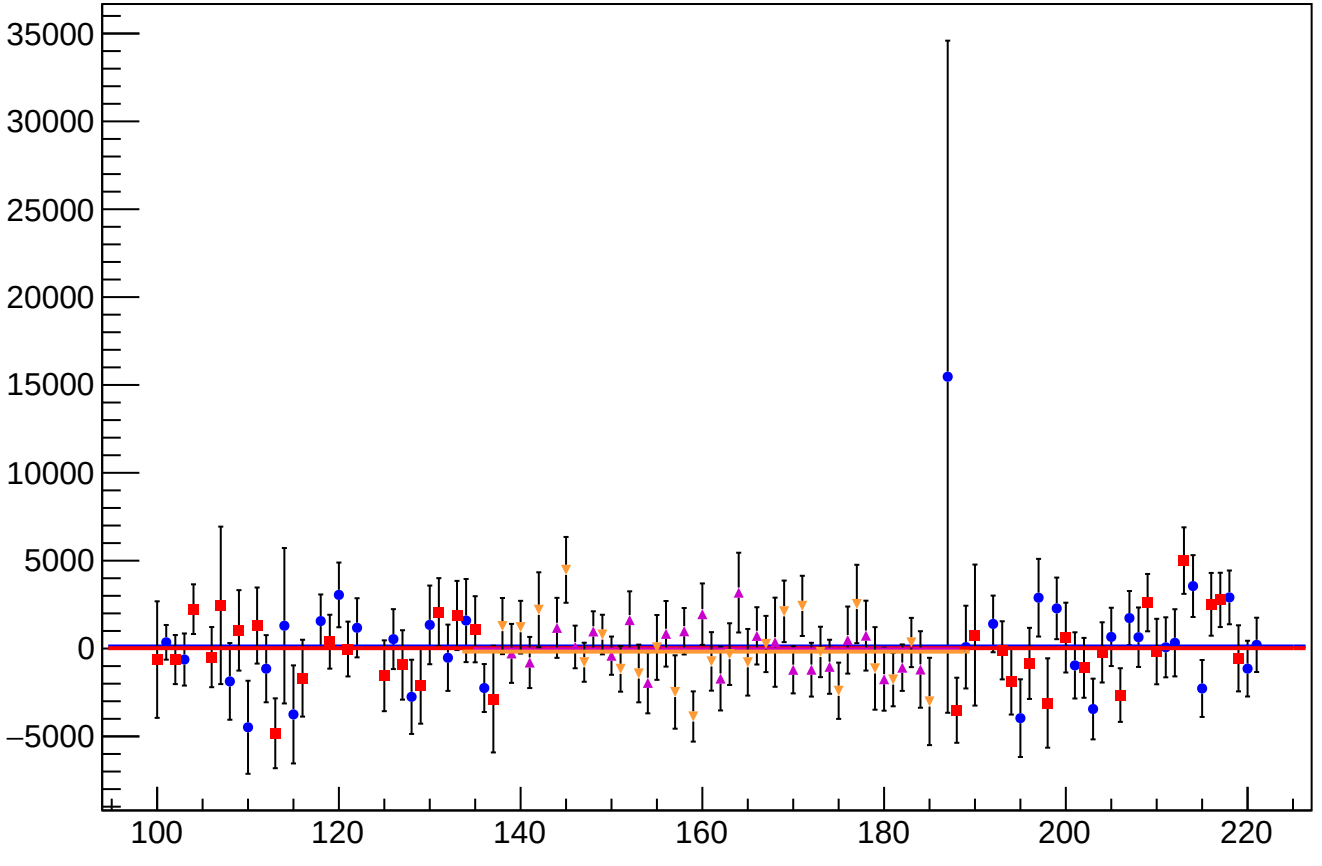
Right: 775.896+/-0.084 χ^2/NDF: 486053.1/68

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

Out: 777.992+/-0.088 χ^2/NDF:386175.1/58

All: 776.389+/-0.061 χ^2/NDF: 493351.7/115

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: 20.396+/-323.695 χ^2/NDF: 39.9/33

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

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

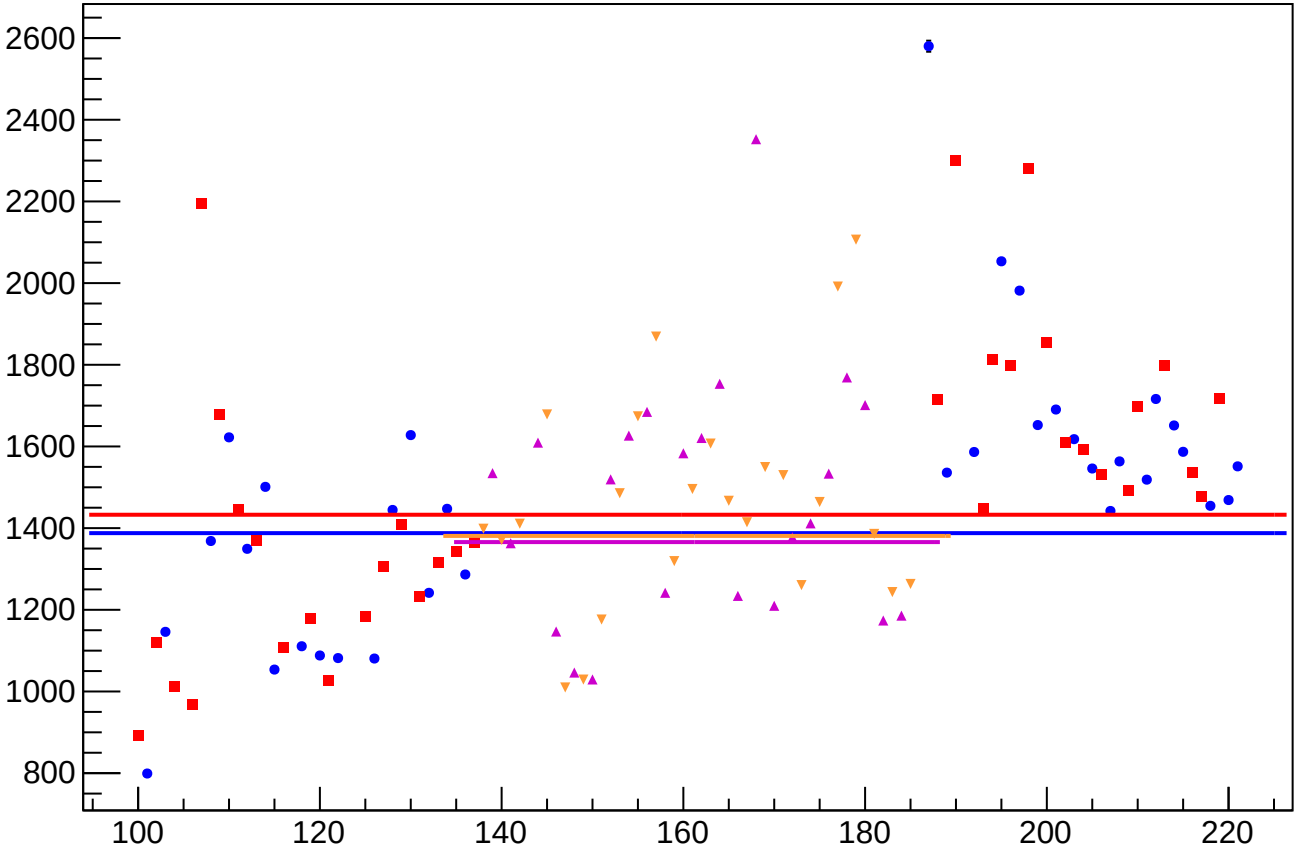
Right: 71.190+/-221.954 χ^2/NDF: 79.7/67

In: 37.395+/-222.733 χ^2/NDF:52.9/56

Out: -75.980+/-230.391 χ^2/NDF:69.7/57

All: -17.377+/-160.135 χ^2/NDF: 122.7/114

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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: 1432.793+/-0.229 χ^2/NDF: 1683006.6/33

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

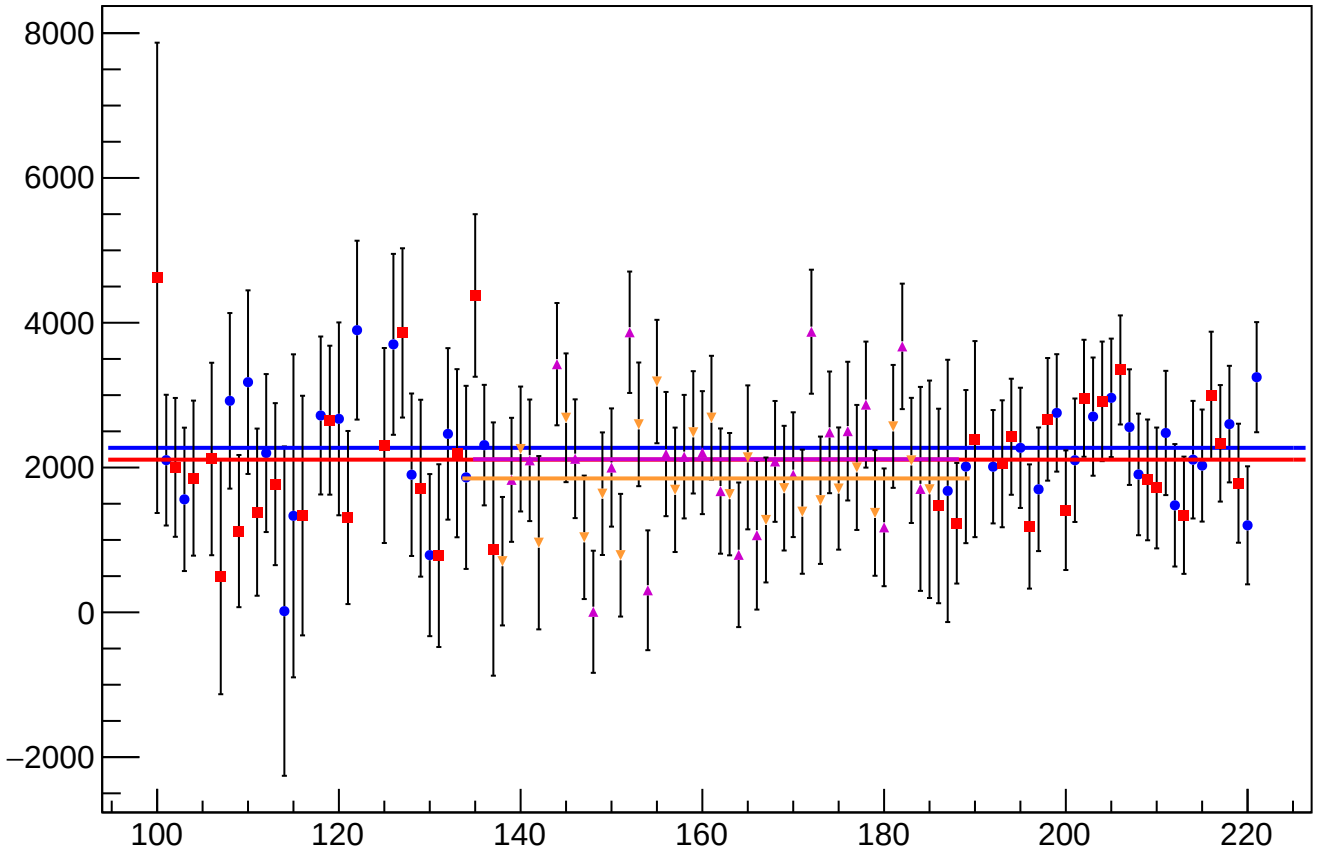
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1408.931+/-0.157 χ^2/NDF: 3538393.6/67

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

Out: 1407.214+/-0.163 χ^2/NDF:2863755.4/57

All: 1391.865+/-0.113 χ^2/NDF: 6029496.1/11



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: 2108.904+/-169.042 χ^2/NDF: 23.1/34

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

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

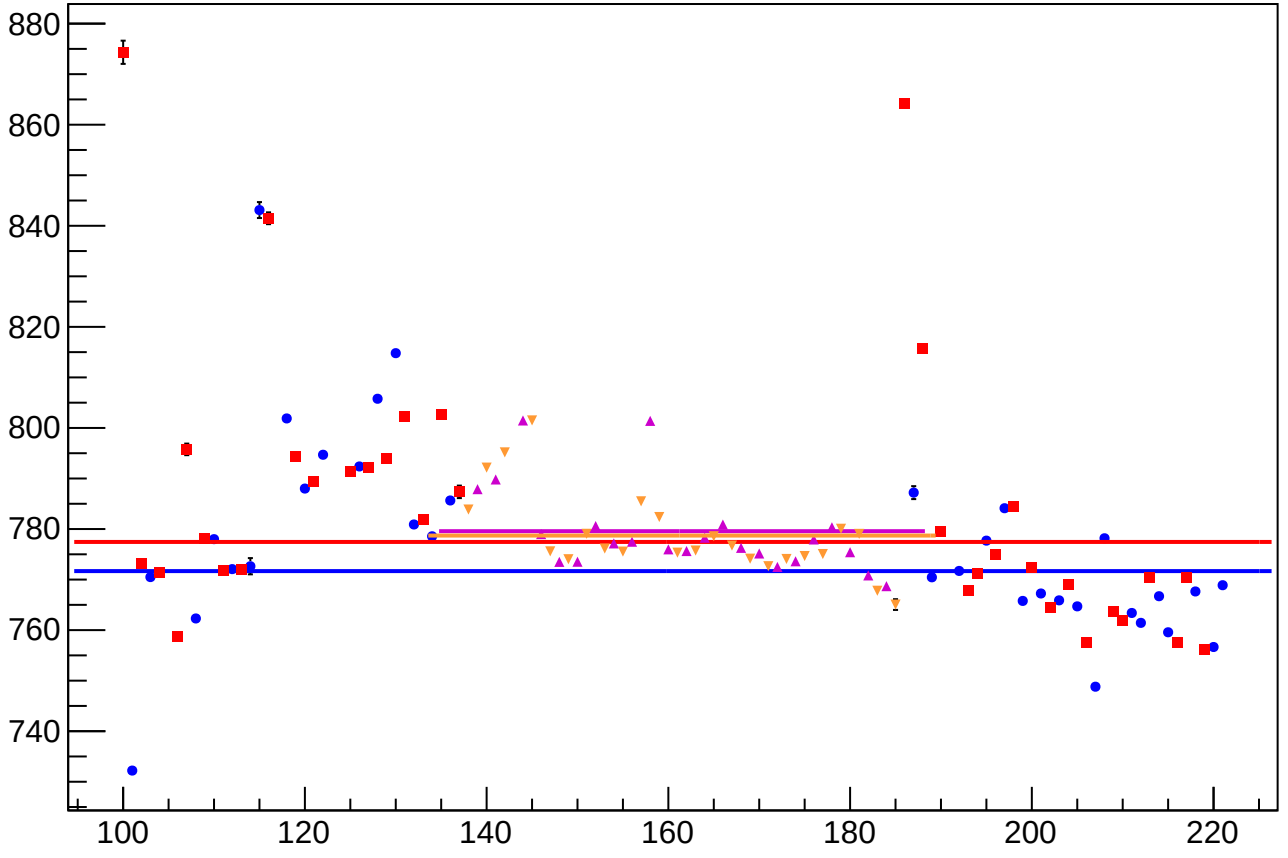
Right: 2192.927+/-117.771 χ^2/NDF: 38.5/68

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

Out: 1987.910+/-123.459 χ^2/NDF:37.1/58

All: 2096.013+/-86.747 χ^2/NDF: 84.9/115

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: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

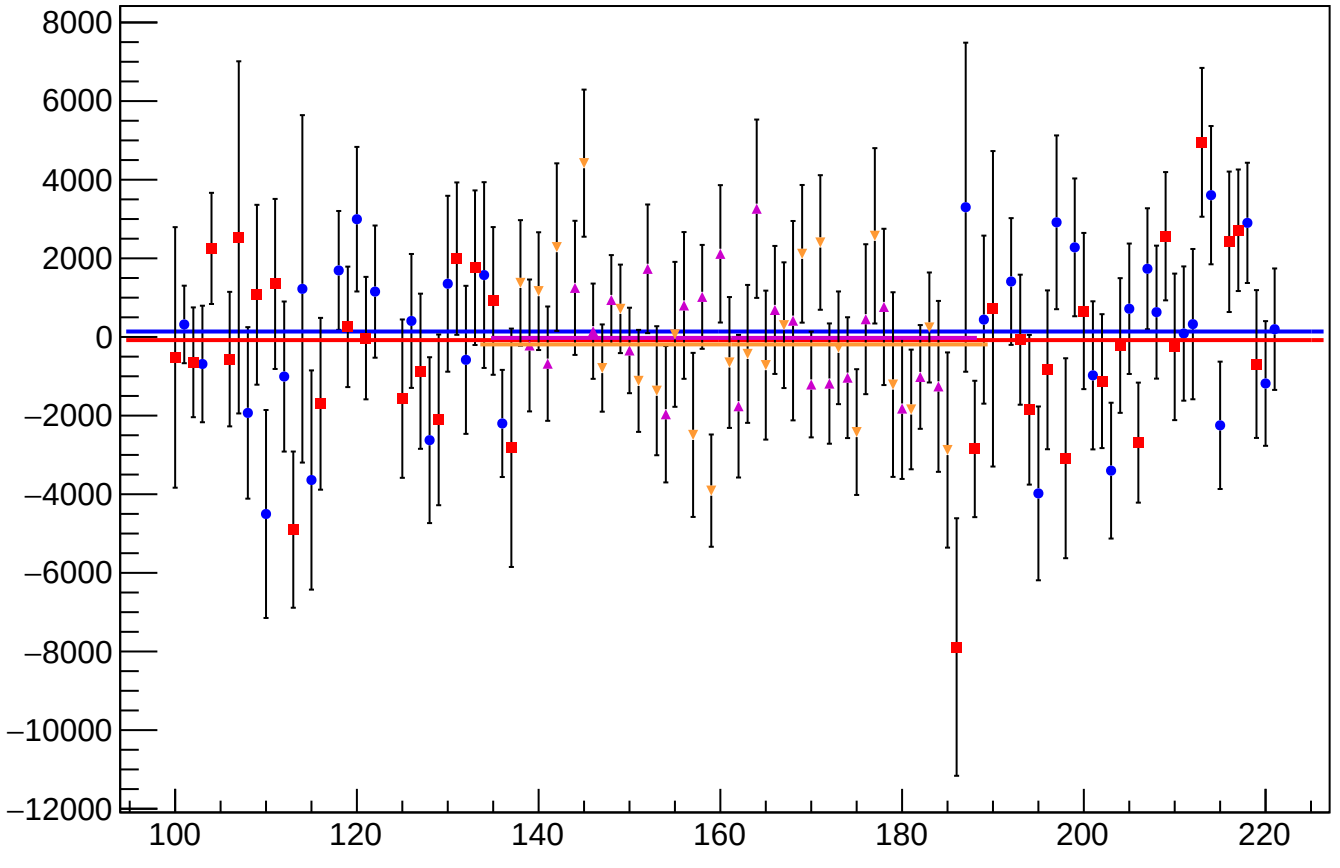
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.478+/-0.083 χ^2/NDF: 48845.2/68

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

Out: 778.035+/-0.087 χ^2/NDF:31762.9/58

All: 776.610+/-0.061 χ^2/NDF: 57863.7/115



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: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

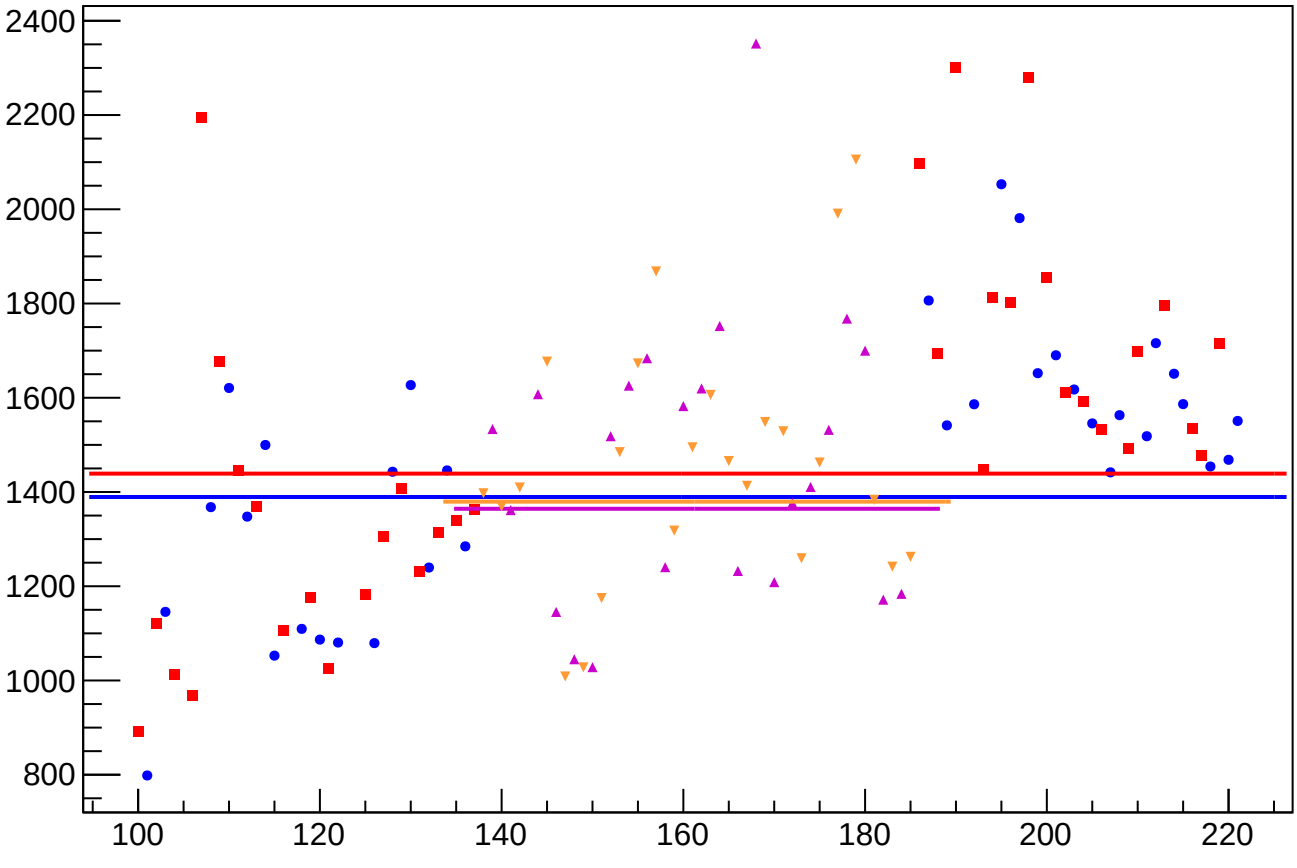
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 35.938+/-220.595 χ^2/NDF: 84.1/68

In: 63.380+/-222.051 χ^2/NDF:53.1/56

Out: -133.189+/-229.399 χ^2/NDF:74.0/58

All: -31.706+/-159.548 χ^2/NDF: 127.5/115



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: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

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

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

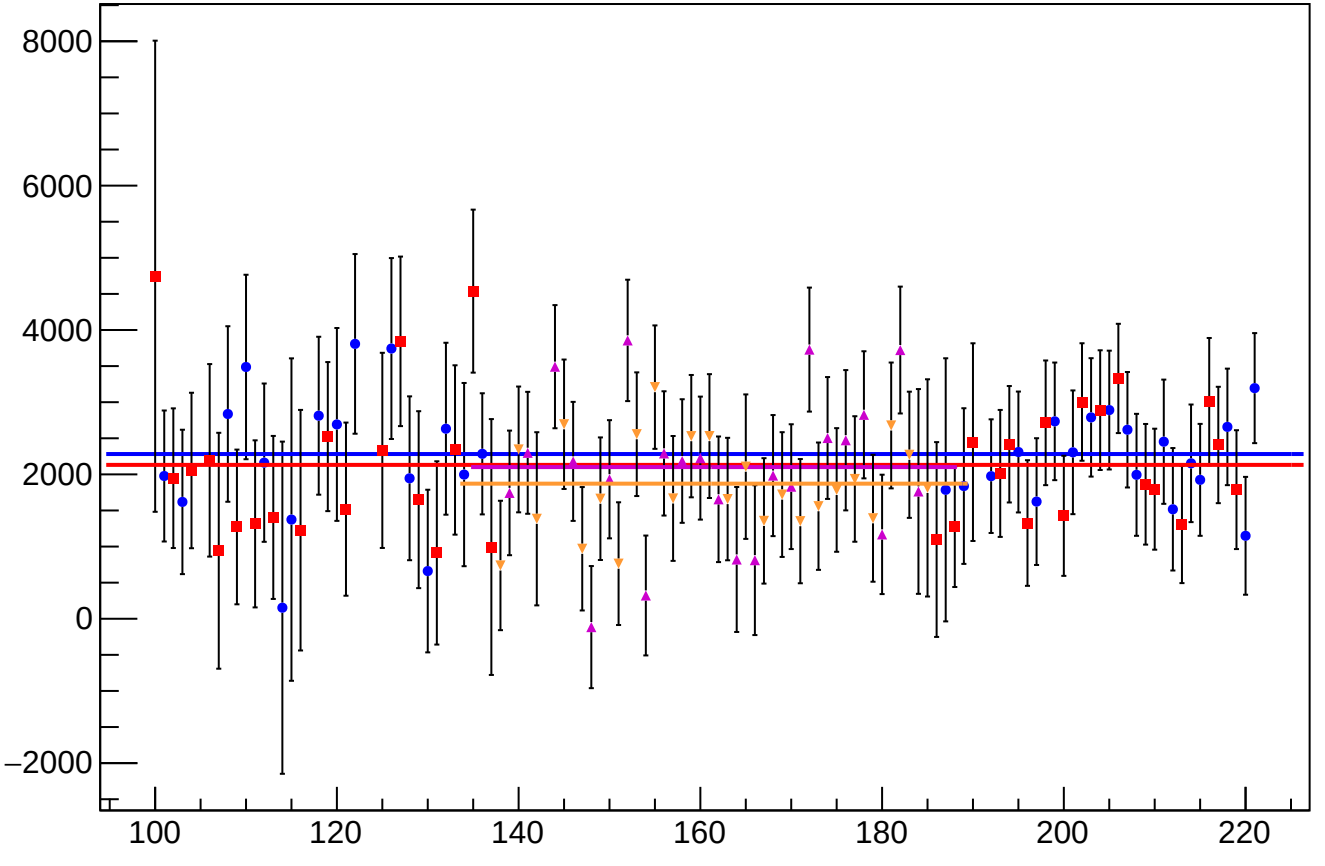
Right: 1412.776+/-0.156 χ^2/NDF: 3650465.3/68

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

Out: 1409.860+/-0.162 χ^2/NDF:2962438.0/58

All: 1393.297+/-0.113 χ^2/NDF: 6156075.3/11

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: 2131.516+/-170.055 χ^2/NDF: 22.6/34

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

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

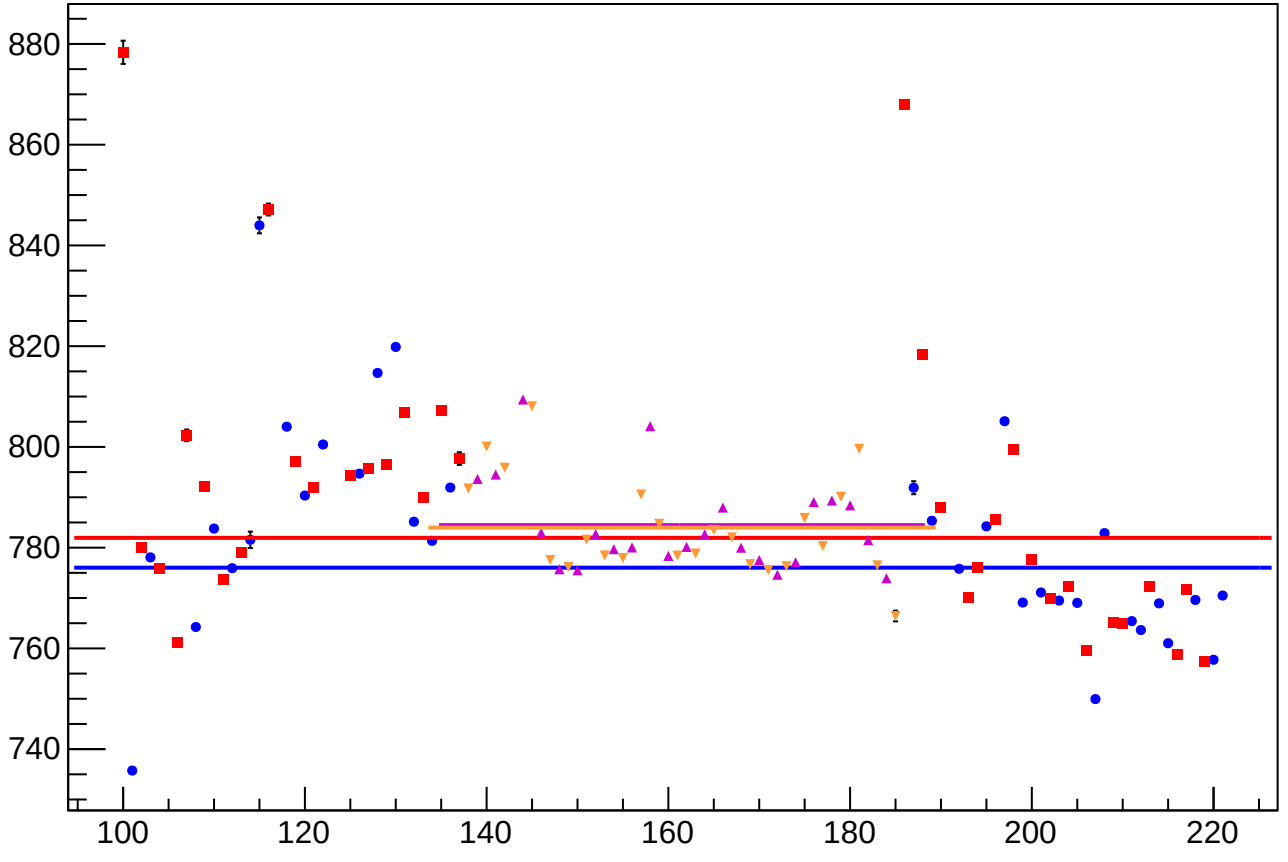
Right: 2208.887+/-118.463 χ^2/NDF: 38.3/68

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

Out: 2010.284+/-124.248 χ^2/NDF:36.2/58

All: 2106.772+/-87.285 χ^2/NDF: 85.0/115

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: 781.946+/-0.120 χ^2/NDF: 30503.5/34

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

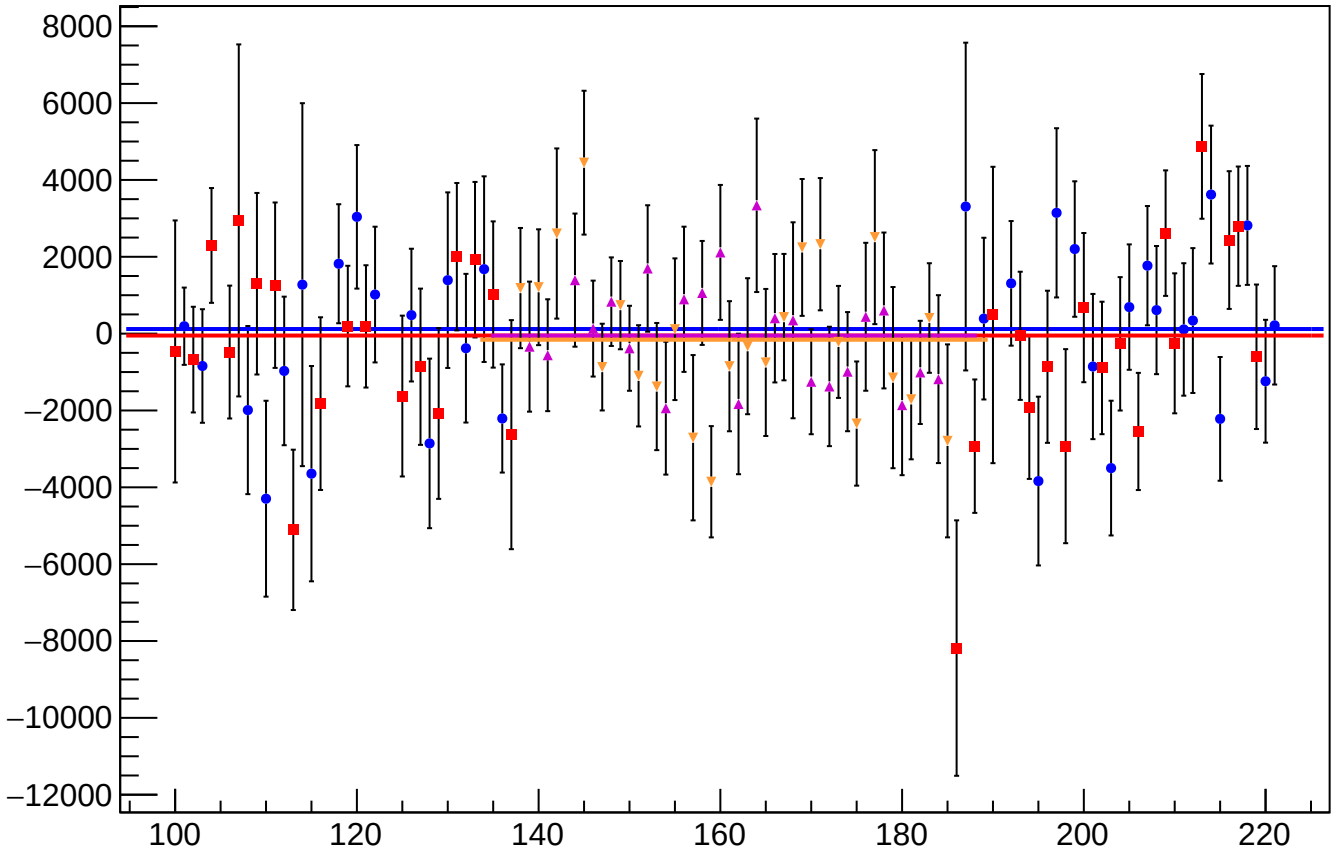
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 778.899+/-0.084 χ^2/NDF: 55091.7/68

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

Out: 782.895+/-0.088 χ^2/NDF:35565.1/58

All: 781.334+/-0.062 χ^2/NDF: 66802.6/115



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: -49.802+/-324.020 χ^2/NDF: 44.3/34

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

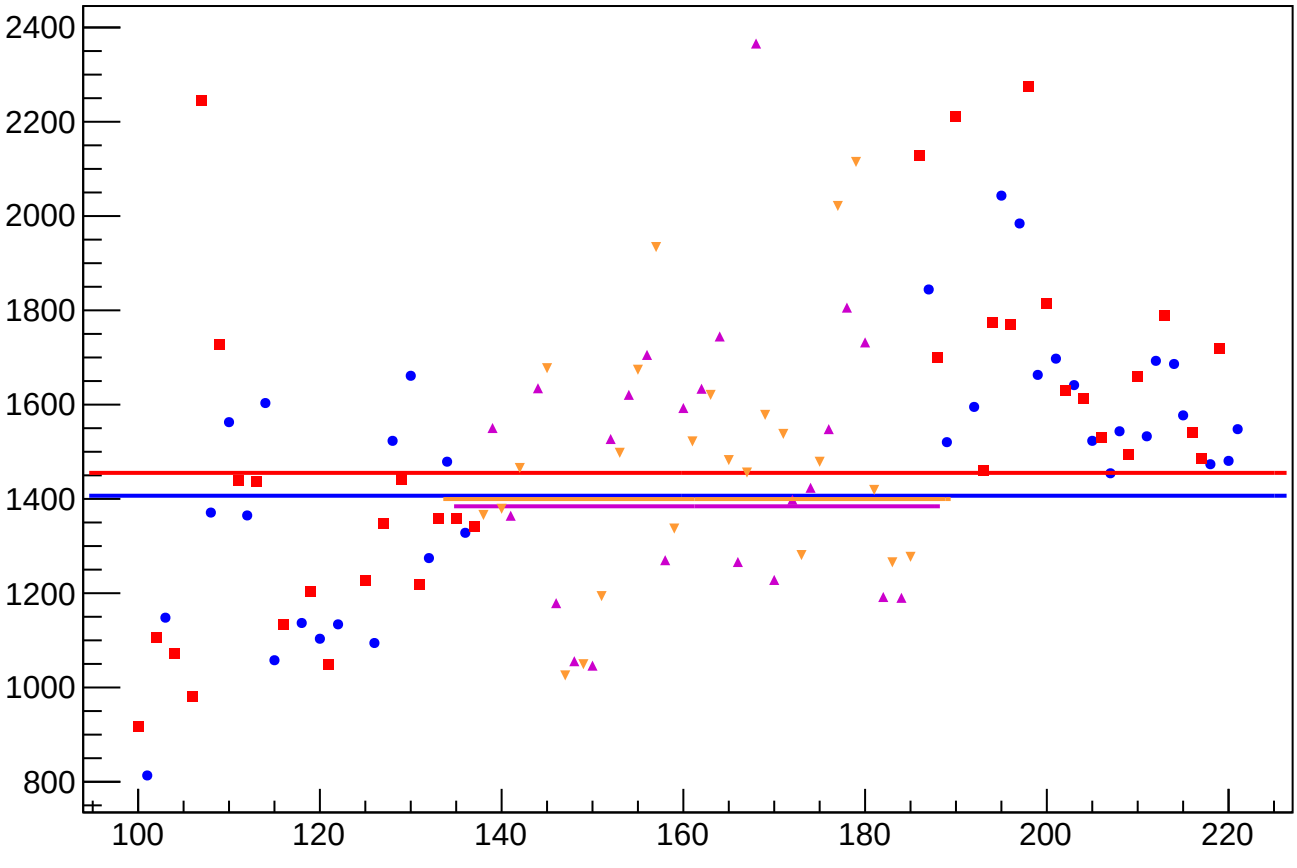
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: 39.789+/-222.667 χ^2/NDF: 83.5/68

In: 40.382+/-224.644 χ^2/NDF:52.6/56

Out: -103.176+/-231.951 χ^2/NDF:73.5/58

All: -29.100+/-161.369 χ^2/NDF: 126.3/115



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: 1455.244+/-0.229 χ^2/NDF: 1604880.9/34

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

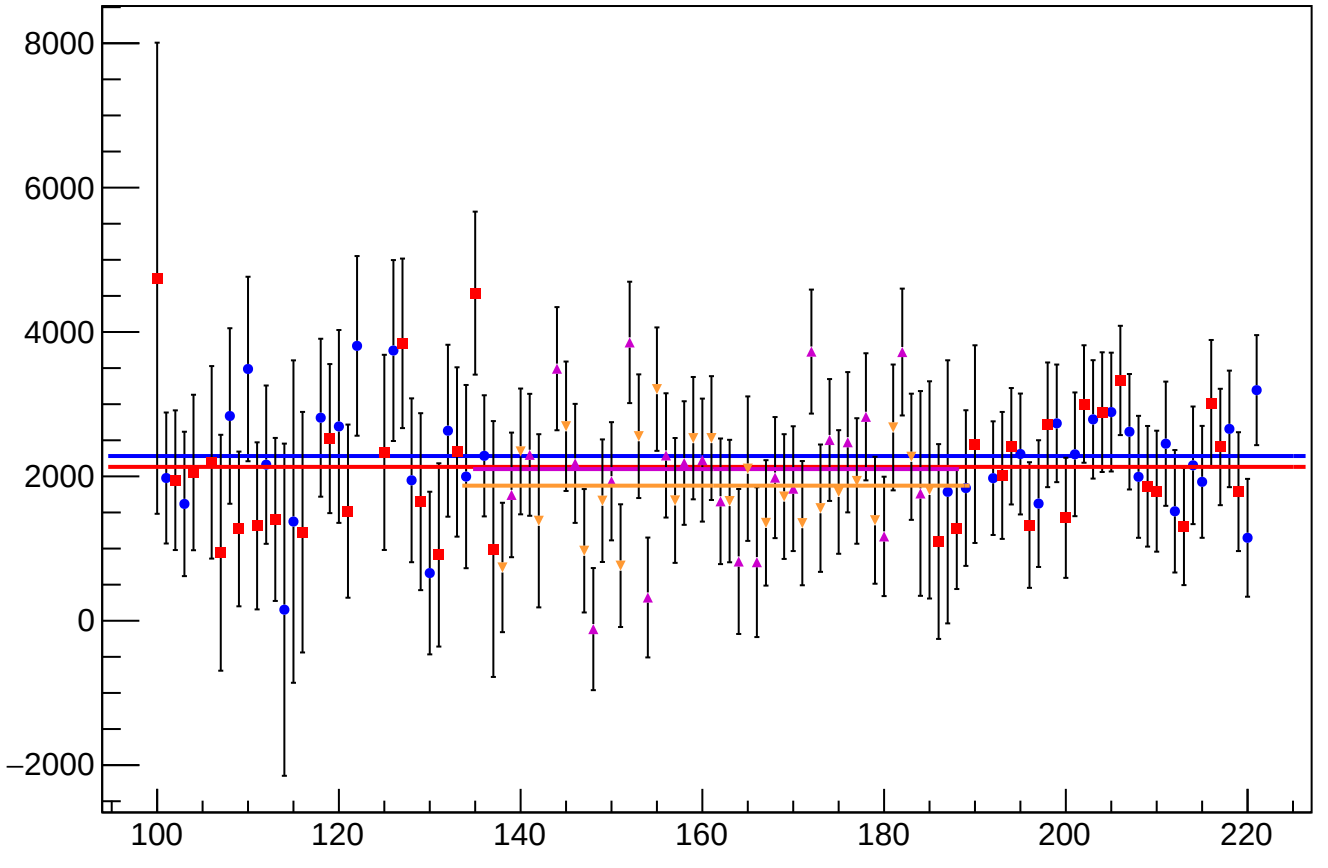
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1429.653+/-0.157 χ^2/NDF: 3366940.3/68

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

Out: 1428.172+/-0.164 χ^2/NDF:2769867.7/58

All: 1411.766+/-0.114 χ^2/NDF: 5802567.9/11



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: 2131.518+/-170.055 χ^2/NDF: 22.6/34

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

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

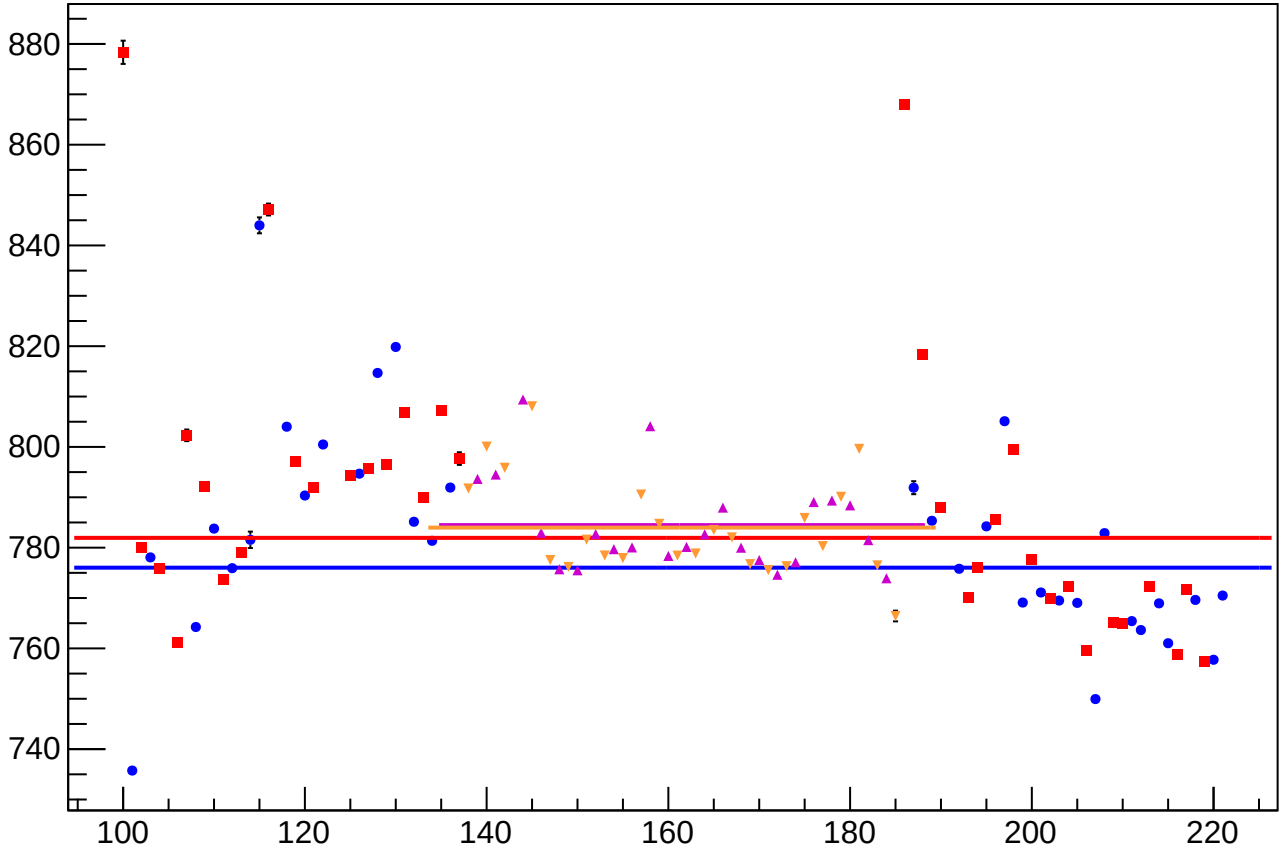
Right: 2208.888+/-118.463 χ^2/NDF: 38.3/68

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

Out: 2010.283+/-124.248 χ^2/NDF:36.2/58

All: 2106.772+/-87.285 χ^2/NDF: 85.0/115

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: 781.946+/-0.120 χ^2/NDF: 30503.4/34

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

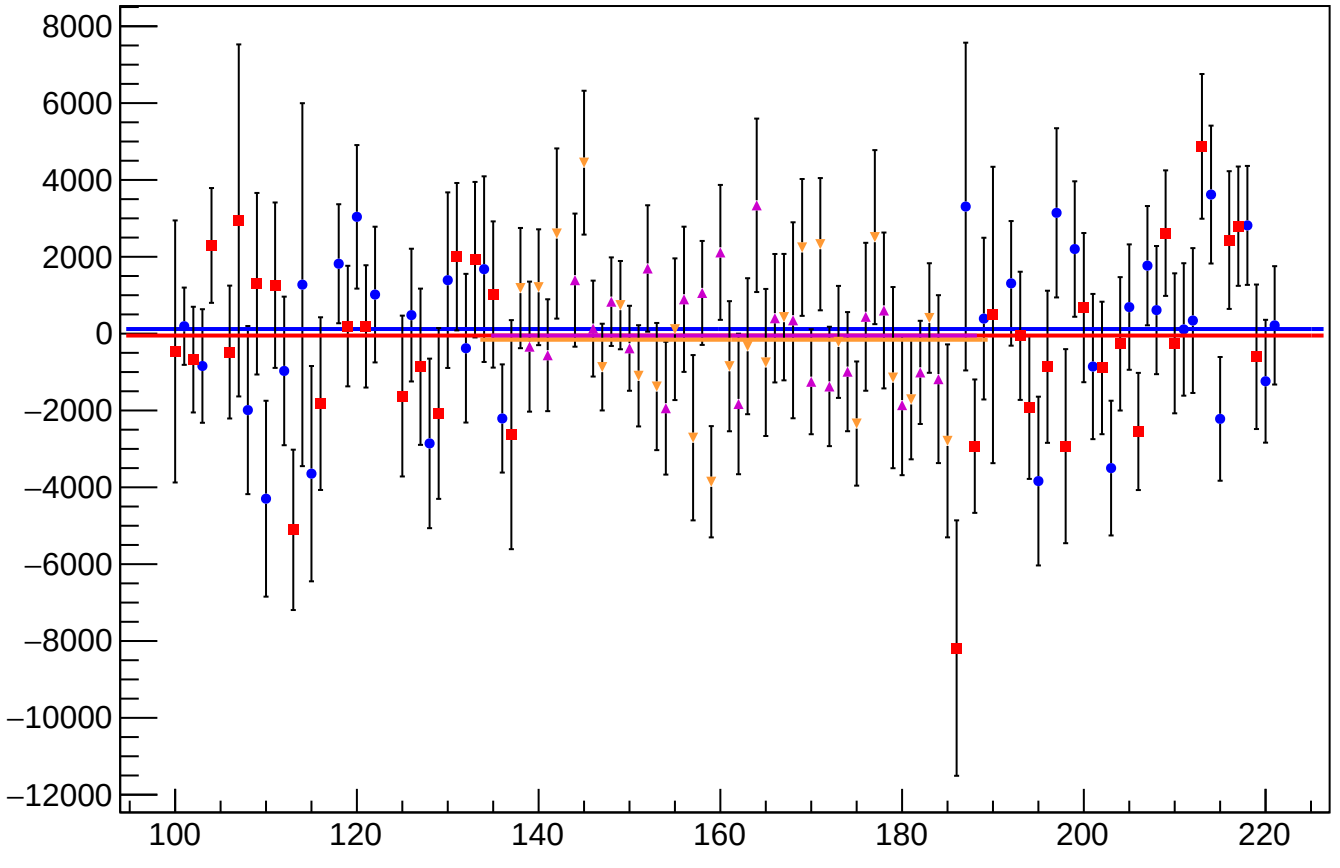
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 778.899+/-0.084 χ^2/NDF: 55091.5/68

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

Out: 782.895+/-0.088 χ^2/NDF:35565.0/58

All: 781.334+/-0.062 χ^2/NDF: 66802.4/115



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

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

Right Out: -49.800+/-324.019 χ^2/NDF: 44.3/34

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

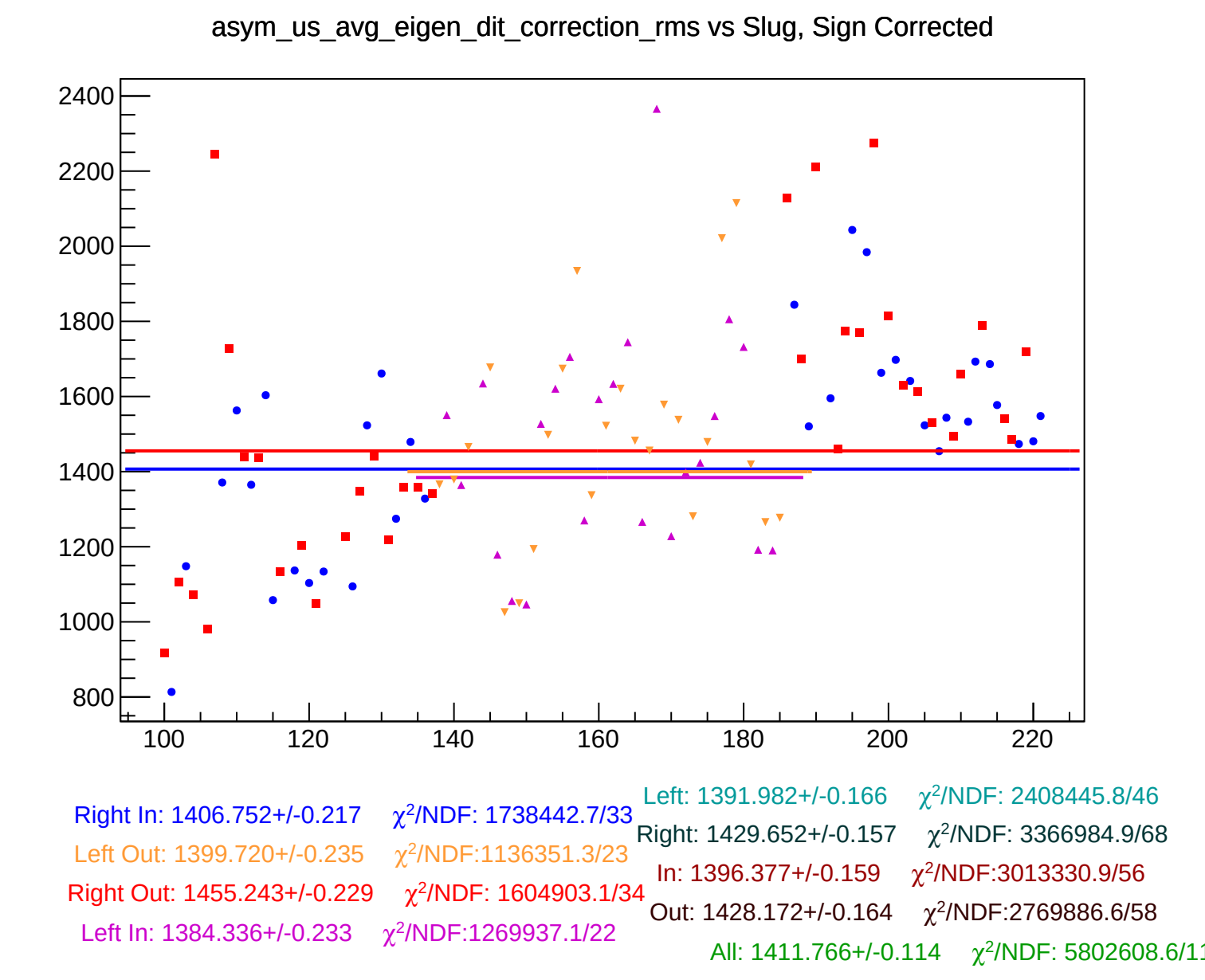
Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

Right: 39.790+/-222.667 χ^2/NDF: 83.5/68

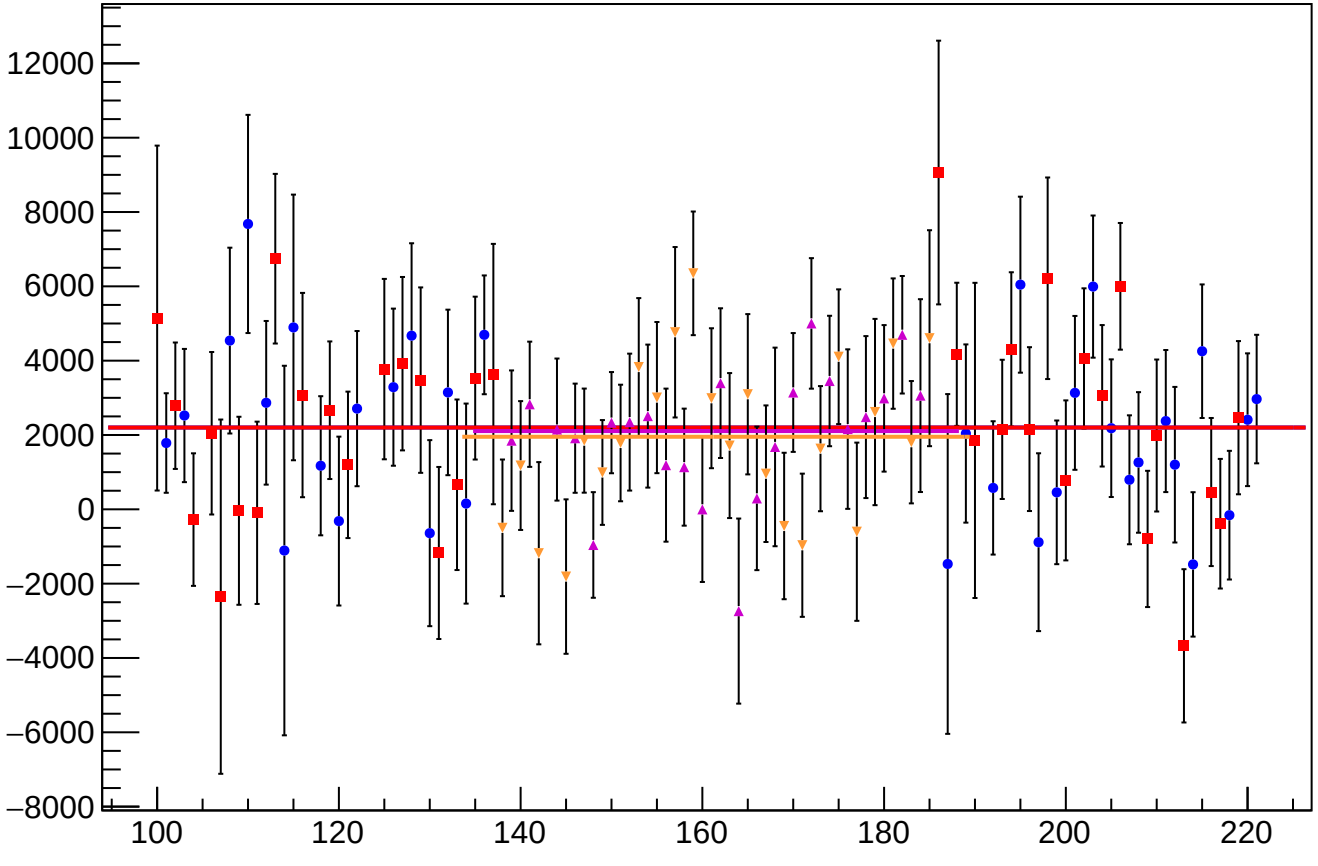
In: 40.382+/-224.645 χ^2/NDF:52.6/56

Out: -103.176+/-231.951 χ^2/NDF:73.5/58

All: -29.100+/-161.369 χ^2/NDF: 126.3/115


asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
220
Right In: 1406.752+/-0.217 χ²/NDF: 1738442.7/33
Left Out: 1399.720+/-0.235 χ²/NDF:1136351.3/23
Right Out: 1455.243+/-0.229 χ²/NDF: 1604903.1/34
Left In: 1384.336+/-0.233 χ²/NDF:1269937.1/22
Left: 1391.982+/-0.166 χ²/NDF: 2408445.8/46
Right: 1429.652+/-0.157 χ²/NDF: 3366984.9/68
In: 1396.377+/-0.159 χ²/NDF:3013330.9/56
Out: 1428.172+/-0.164 χ²/NDF:2769886.6/58
All: 1411.766+/-0.114 χ²/NDF: 5802608.6/11

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: 2200.610+/-369.993 χ^2/NDF: 42.1/34

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

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

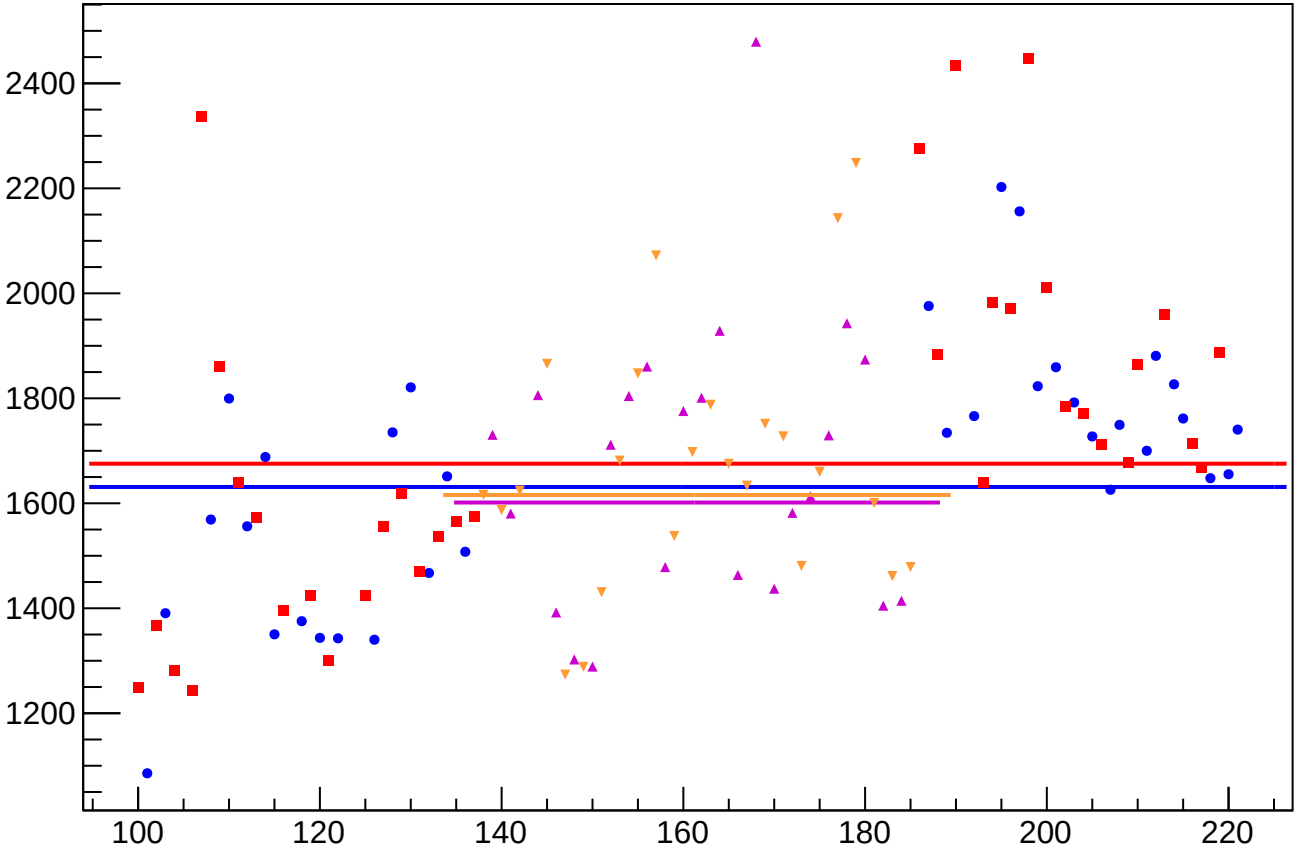
Right: 2201.147+/-254.986 χ^2/NDF: 73.9/68

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

Out: 2079.907+/-265.183 χ^2/NDF:69.7/58

All: 2119.576+/-184.882 χ^2/NDF: 120.1/115

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: 1675.423+/-0.262 χ^2/NDF: 1022581.0/34

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

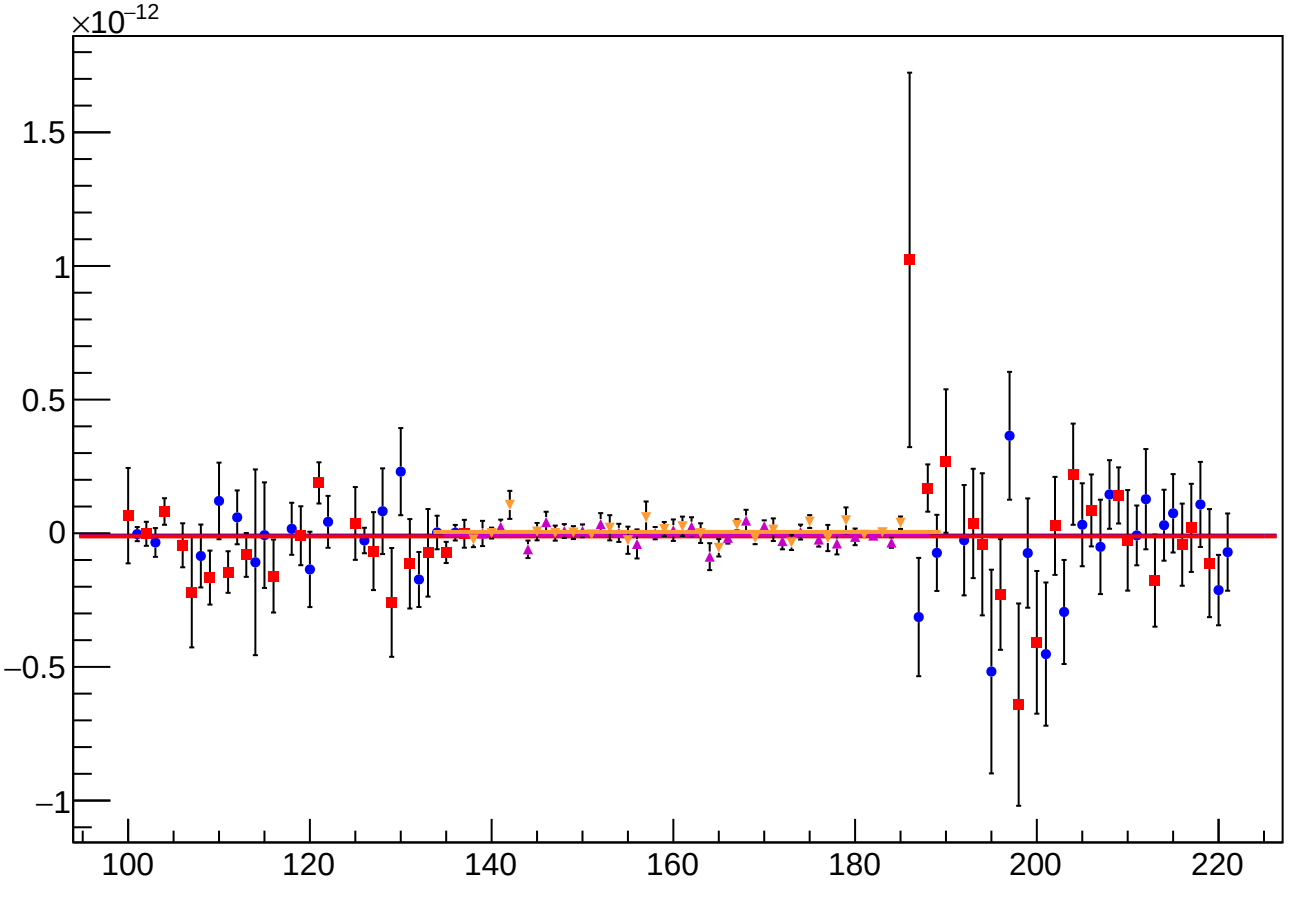
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1652.144+/-0.180 χ^2/NDF: 1992428.5/68

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

Out: 1646.454+/-0.188 χ^2/NDF:1742145.8/58

All: 1631.517+/-0.131 χ^2/NDF: 3509531.1/11



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: 42.5/34

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

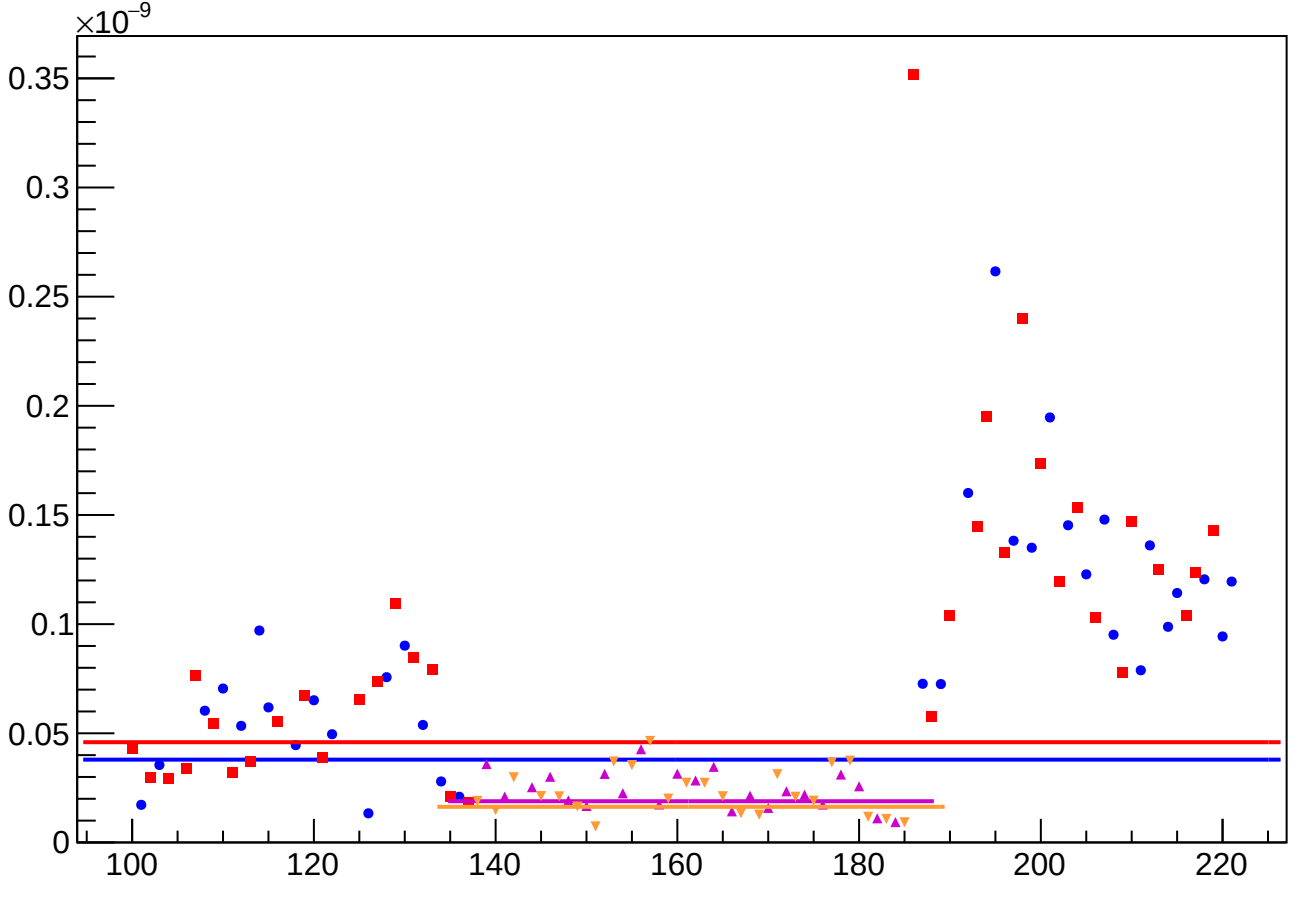
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 68.0/68

In: -0.000+/-0.000 χ^2/NDF:44.9/56

Out: 0.000+/-0.000 χ^2/NDF:64.4/58

All: -0.000+/-0.000 χ^2/NDF: 110.8/115



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: 9257657.1/34

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

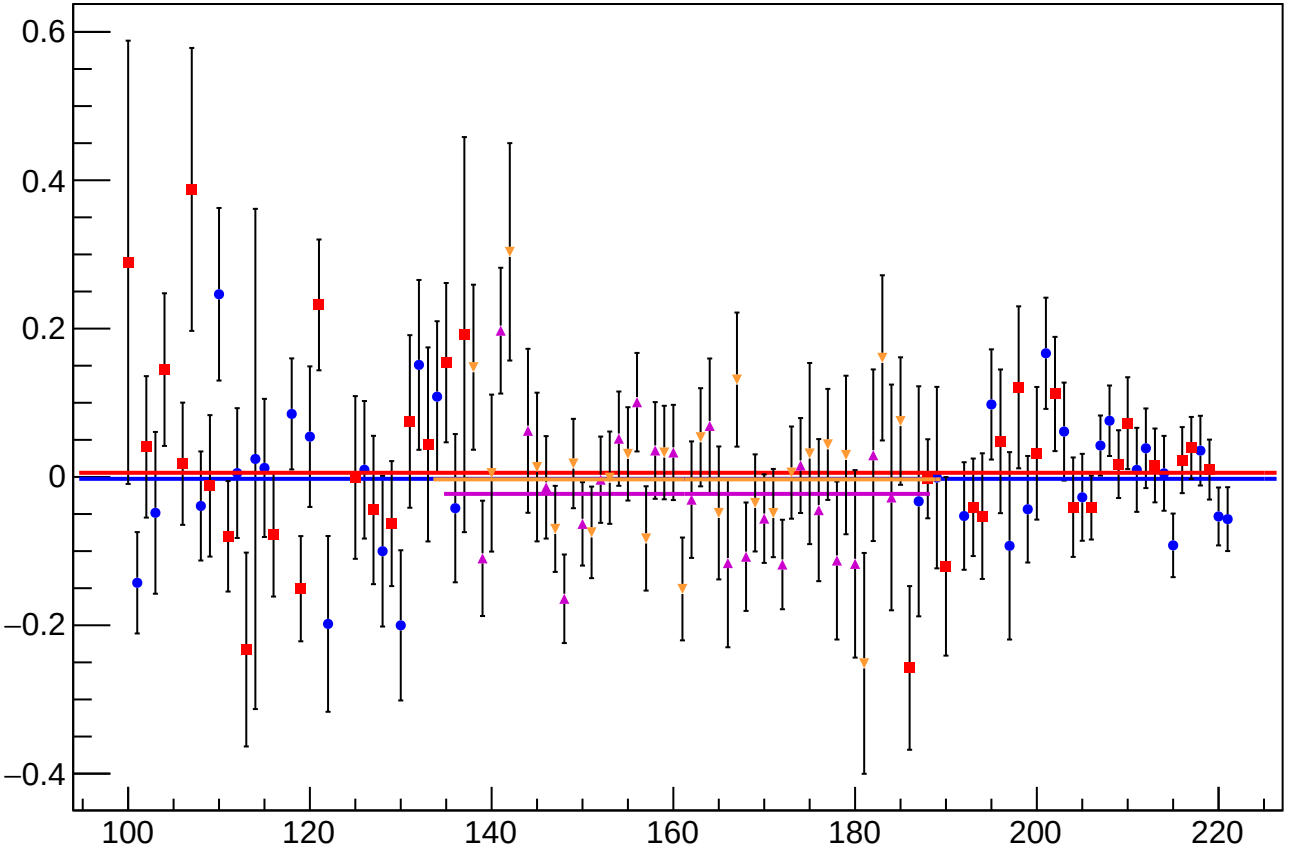
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 21551548.5/68

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

Out: 0.000+/-0.000 χ^2/NDF:19267098.8/58

All: 0.000+/-0.000 χ^2/NDF: 37908992.5/115



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: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

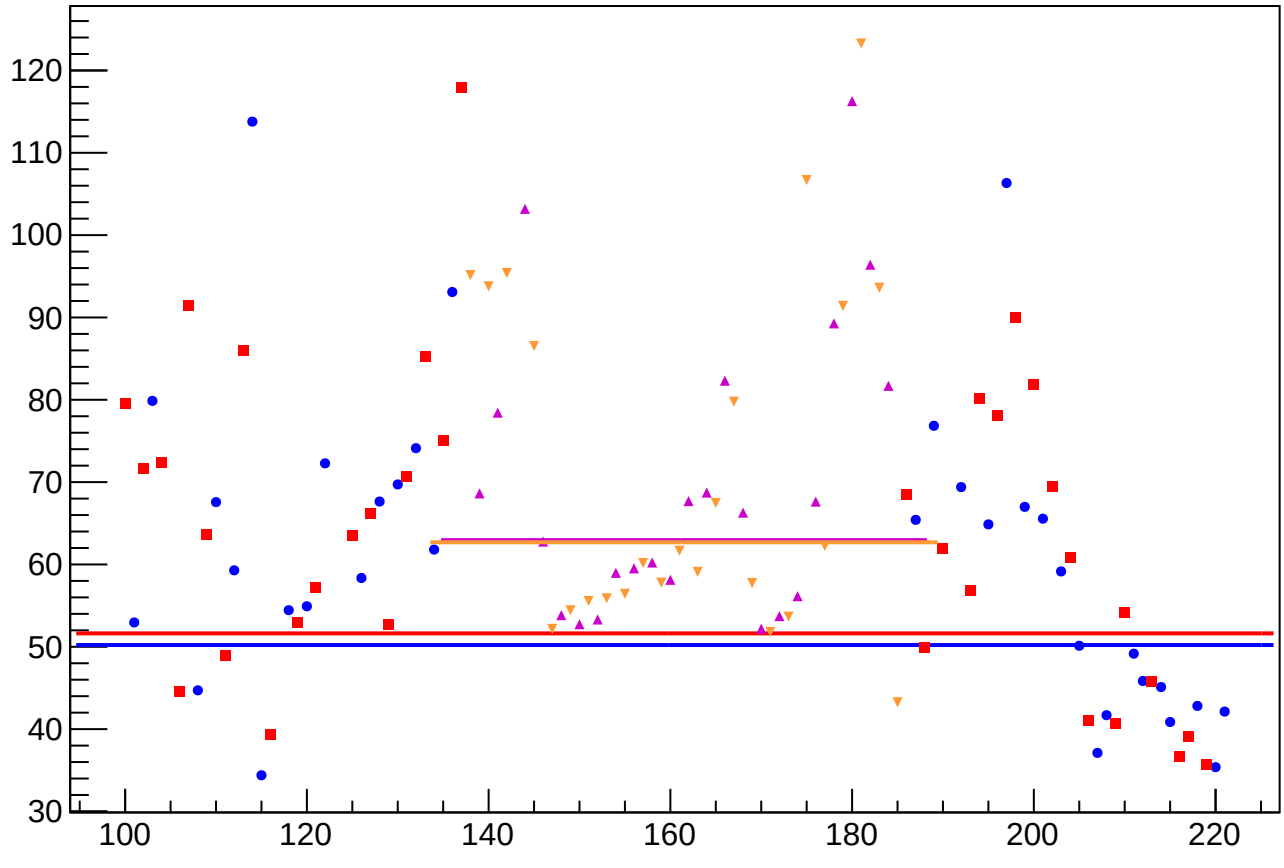
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.001+/-0.008 χ^2/NDF: 86.7/68

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.004+/-0.007 χ^2/NDF: 143.4/115



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: 51.629+/-0.009 χ^2/NDF: 3042671.1/34

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

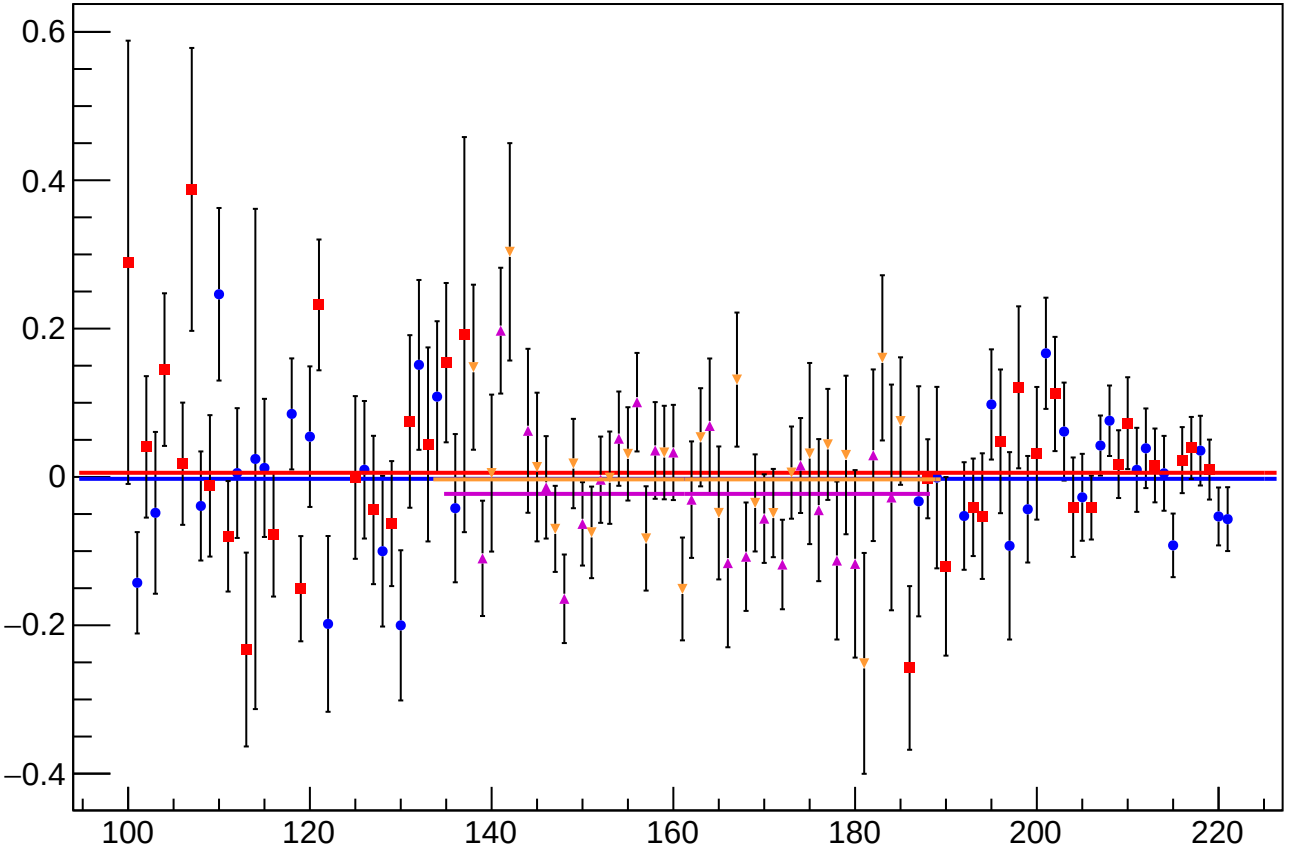
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 50.883+/-0.006 χ^2/NDF: 5892439.6/68

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

Out: 55.865+/-0.007 χ^2/NDF:5611952.0/58

All: 55.298+/-0.005 χ^2/NDF: 10760707.2/115



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: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

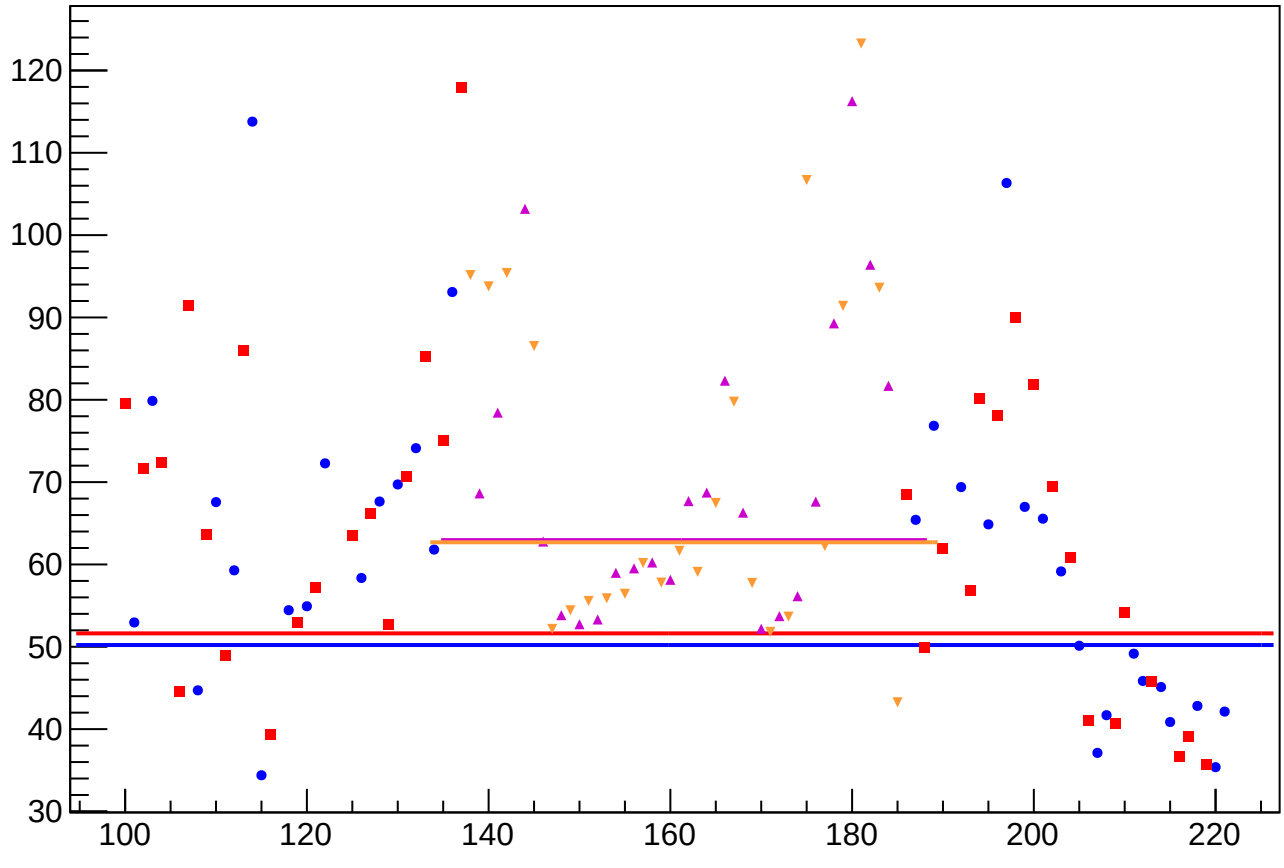
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.001+/-0.008 χ^2/NDF: 86.7/68

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.004+/-0.007 χ^2/NDF: 143.4/115



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: 51.629+/-0.009 χ^2/NDF: 3042671.1/34

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

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

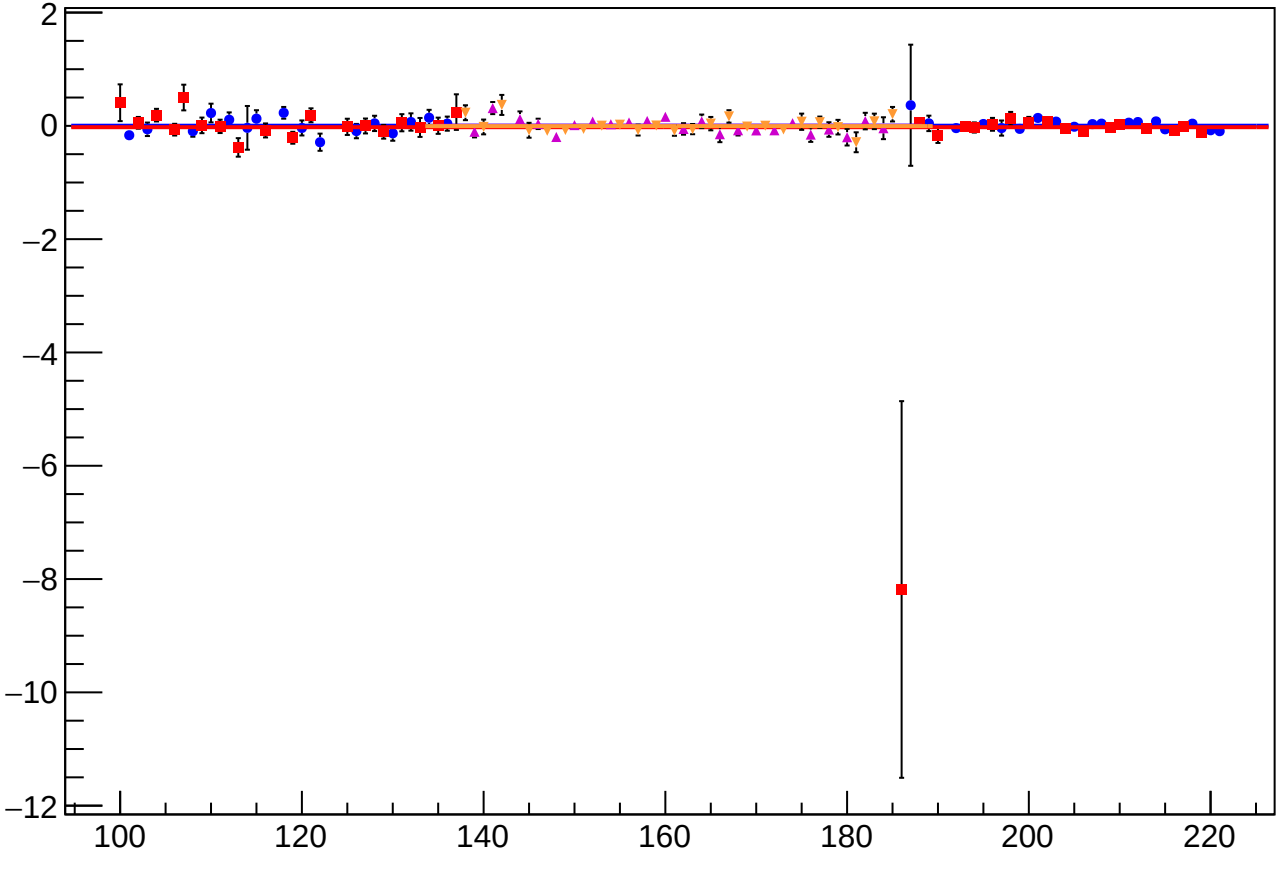
Right: 50.883+/-0.006 χ^2/NDF: 5892439.6/68

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

Out: 55.865+/-0.007 χ^2/NDF:5611952.0/58

All: 55.298+/-0.005 χ^2/NDF: 10760707.2/115

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: -0.024+/-0.016 χ^2/NDF: 42.7/34

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

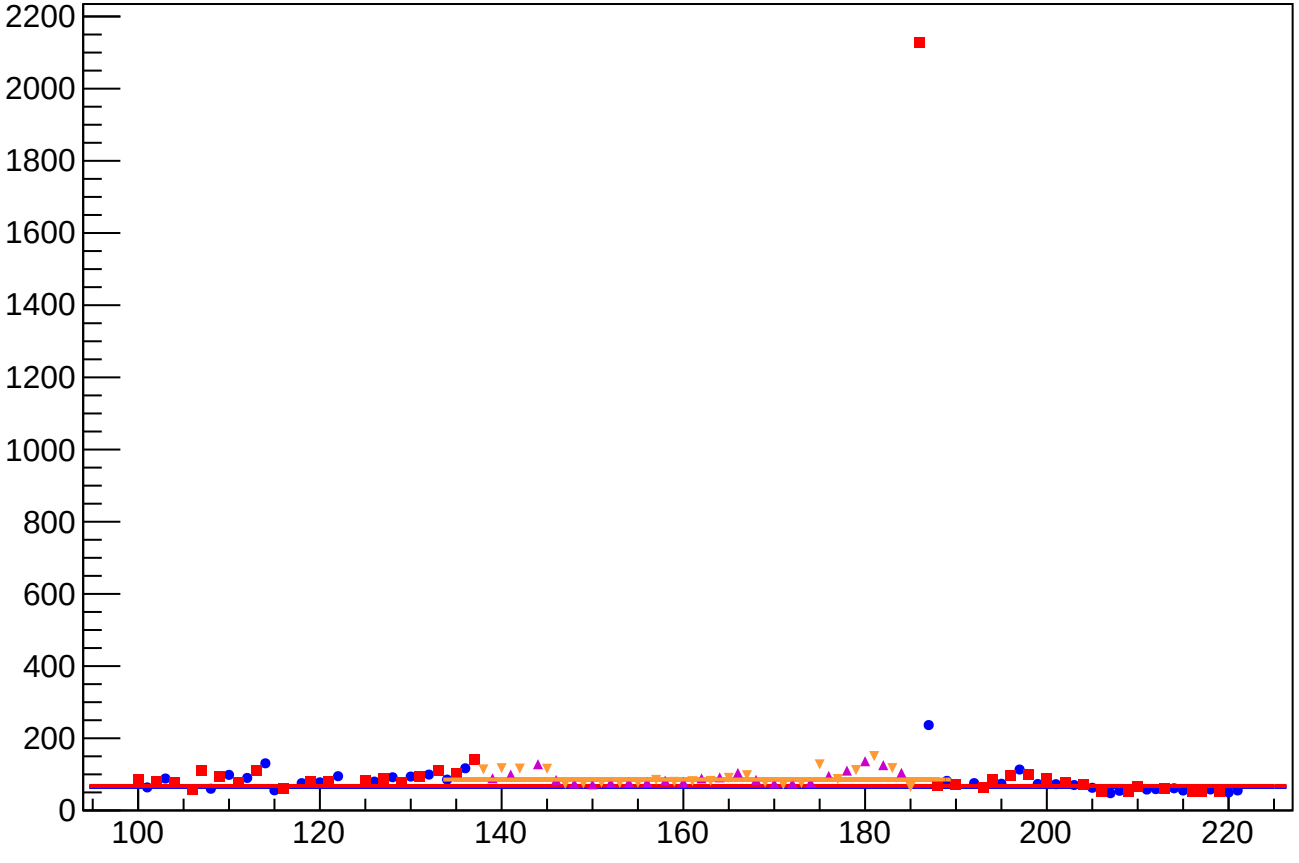
Right: -0.010+/-0.011 χ^2/NDF: 79.7/68

In: 0.002+/-0.012 χ^2/NDF:66.1/56

Out: -0.017+/-0.013 χ^2/NDF:64.6/58

All: -0.007+/-0.009 χ^2/NDF: 131.9/115

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: 67.918+/-0.011 χ^2/NDF: 2855686.2/34

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

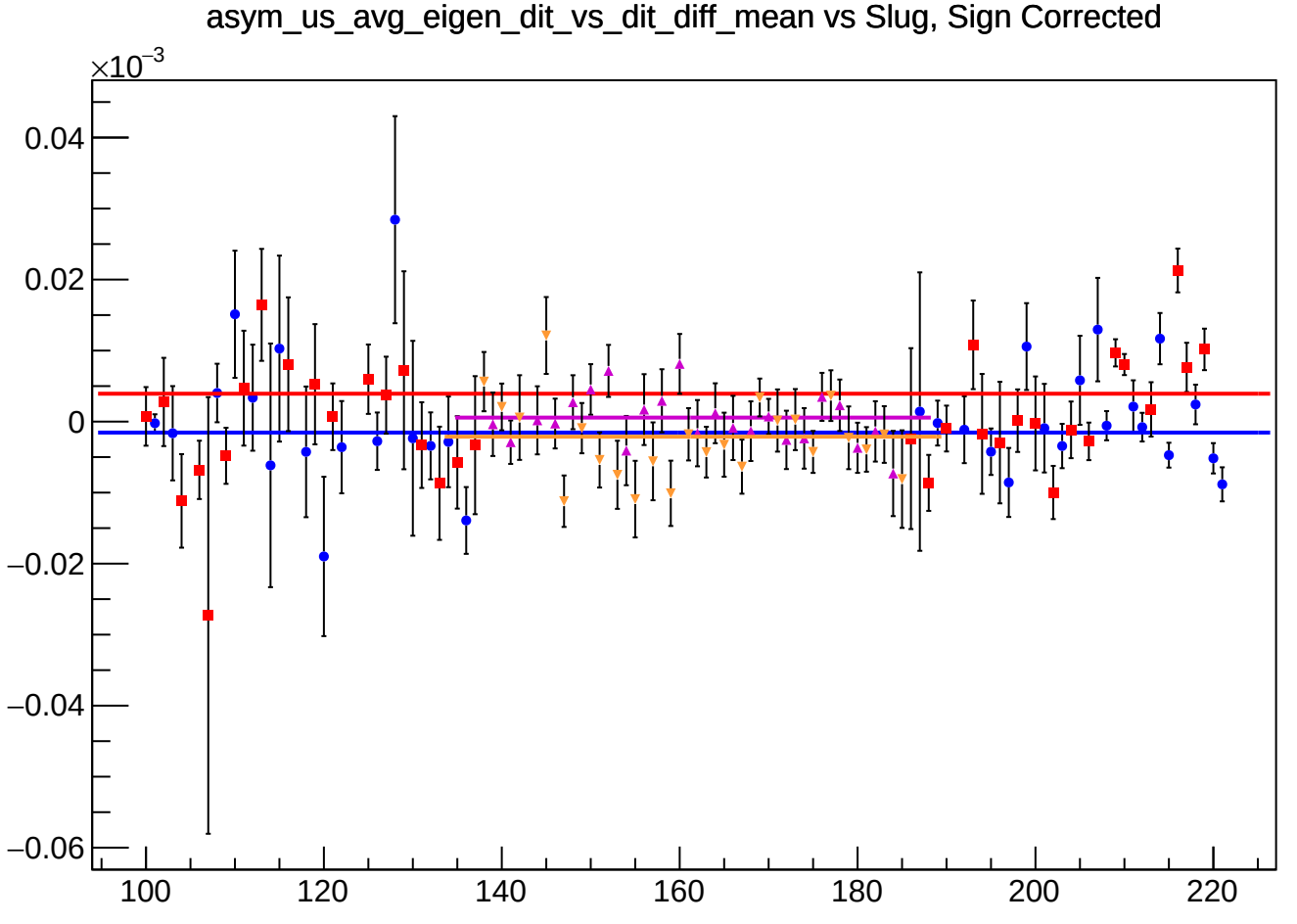
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 66.408+/-0.008 χ^2/NDF: 5092302.7/68

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

Out: 74.430+/-0.009 χ^2/NDF:5138785.1/58

All: 73.164+/-0.006 χ^2/NDF: 9692288.4/115



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: 121.2/34

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

Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

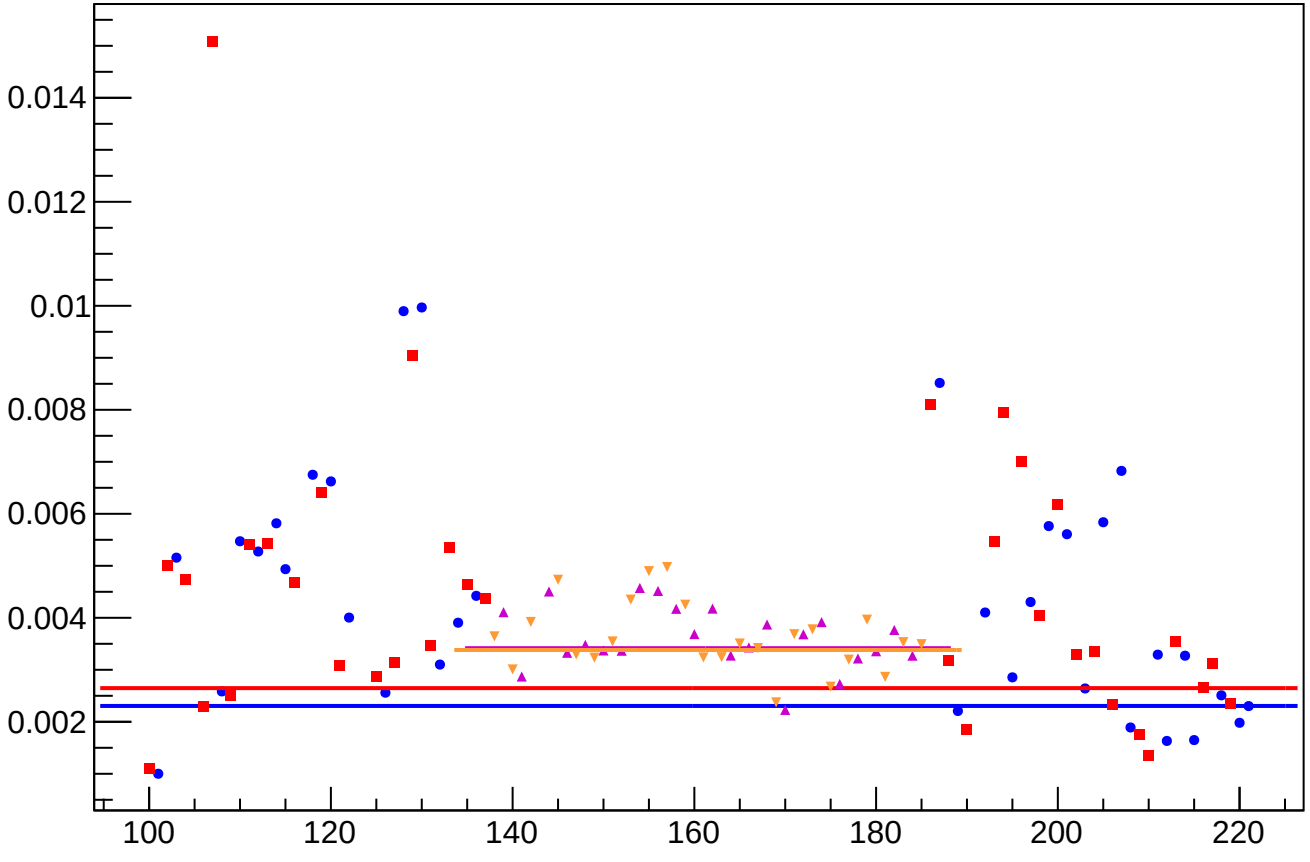
Right: 0.000+/-0.000 χ^2/NDF: 225.2/68

In: -0.000+/-0.000 χ^2/NDF:87.6/56

Out: 0.000+/-0.000 χ^2/NDF:191.7/58

All: 0.000+/-0.000 χ^2/NDF: 289.5/115

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 8351839.3/34

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

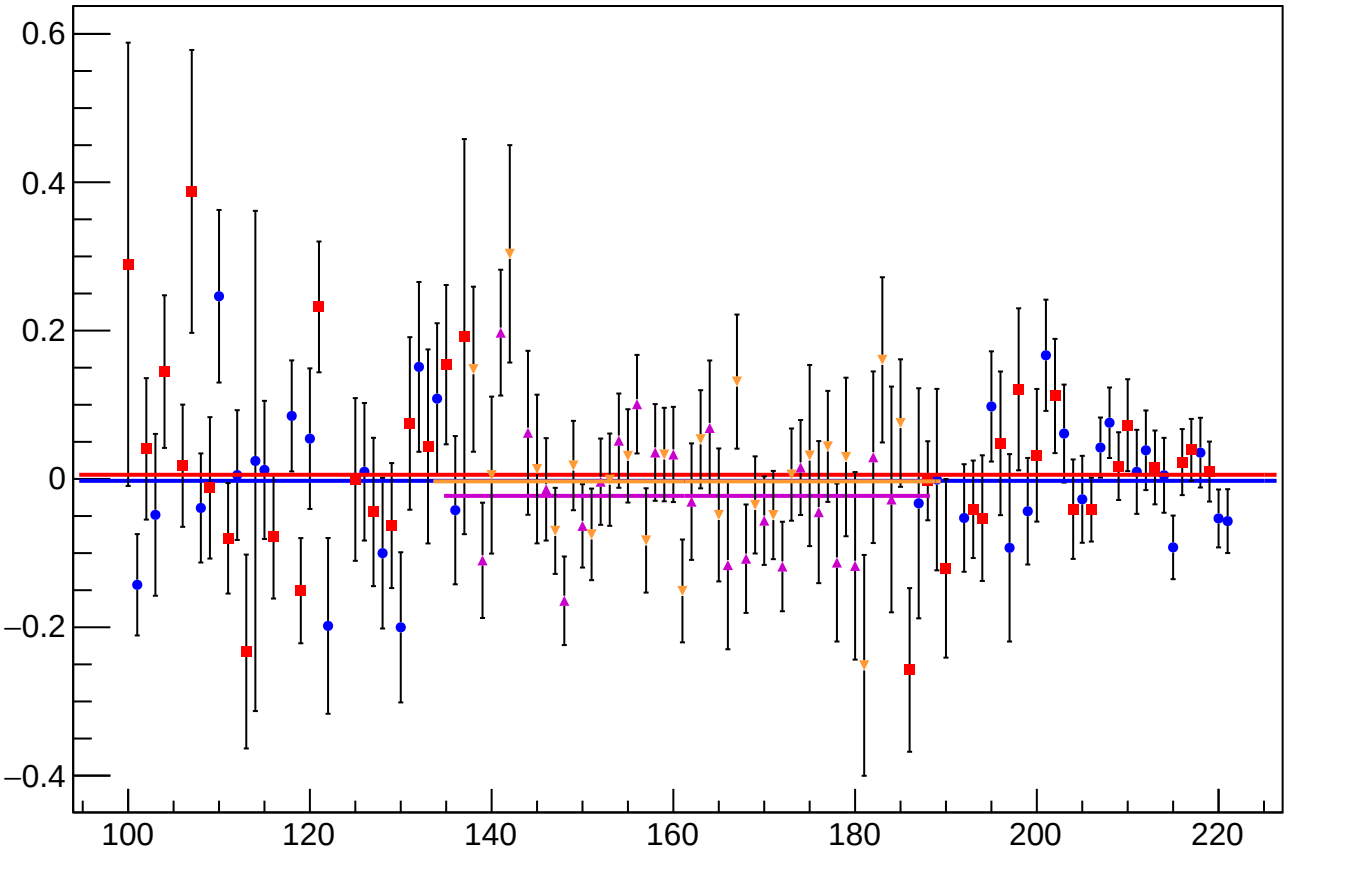
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.002+/-0.000 χ^2/NDF: 19014756.2/68

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

Out: 0.003+/-0.000 χ^2/NDF:10514184.9/58

All: 0.003+/-0.000 χ^2/NDF: 24812537.9/115



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: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

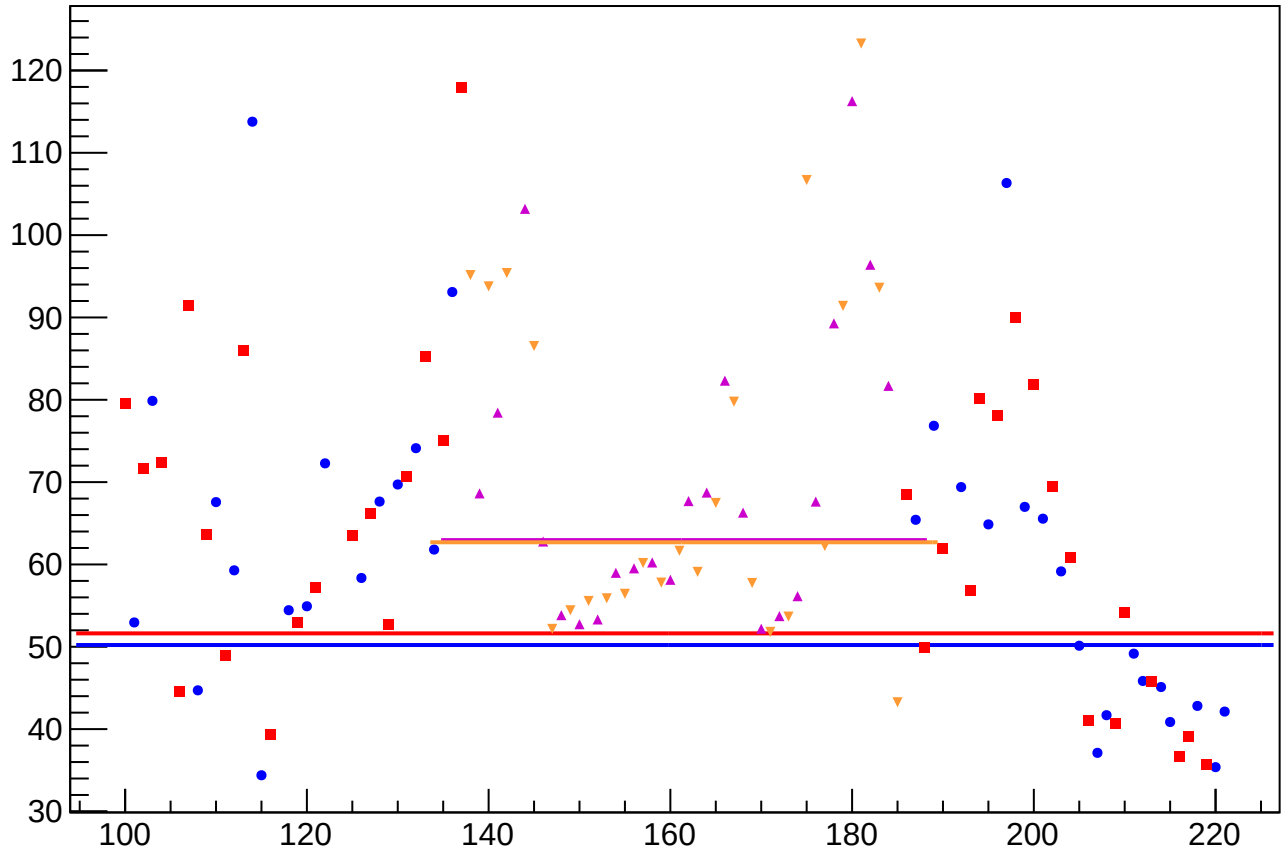
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.001+/-0.008 χ^2/NDF: 86.7/68

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.004+/-0.007 χ^2/NDF: 143.4/115



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: 51.629+/-0.009 χ^2/NDF: 3042450.1/34

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

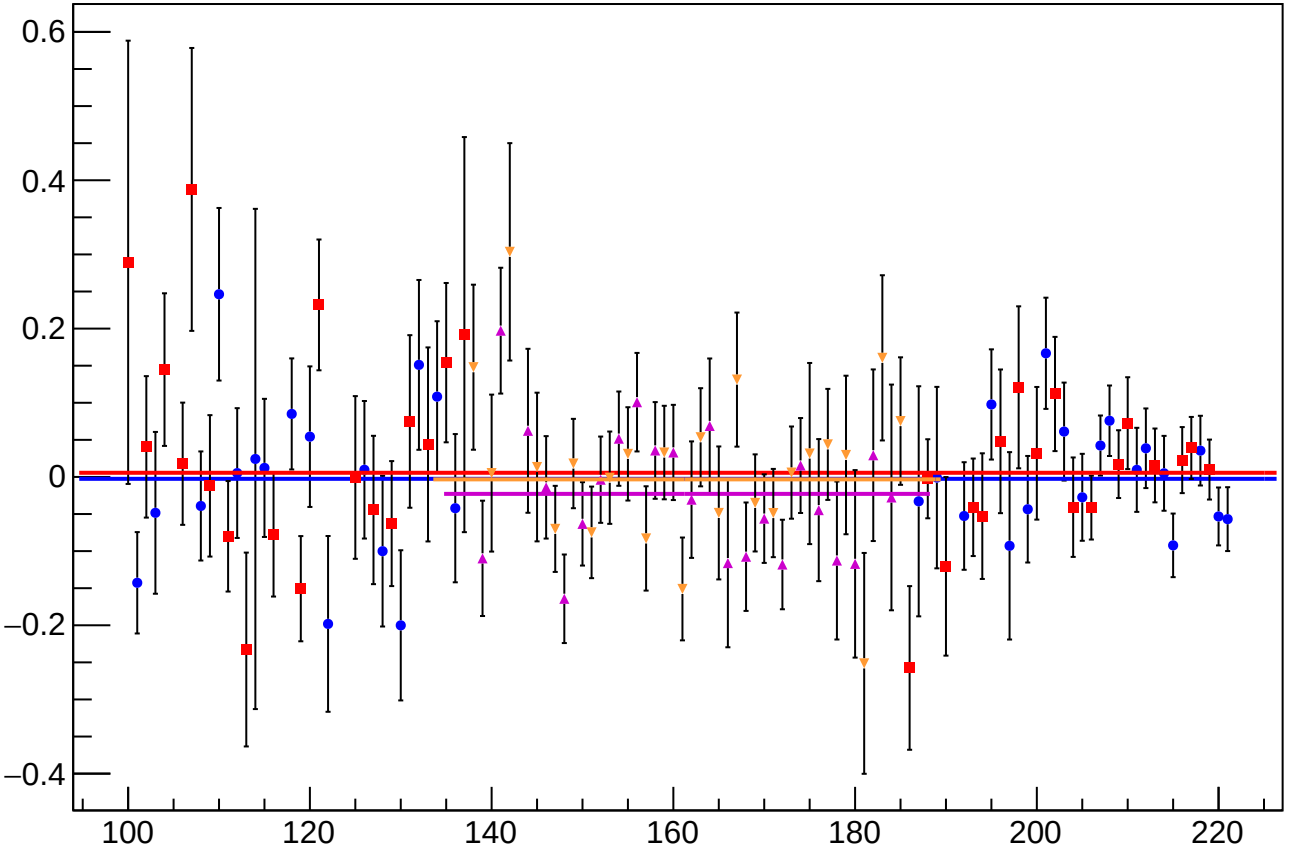
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 50.883+/-0.006 χ^2/NDF: 5892012.7/68

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

Out: 55.865+/-0.007 χ^2/NDF:5611769.2/58

All: 55.298+/-0.005 χ^2/NDF: 10760274.2/115



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: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

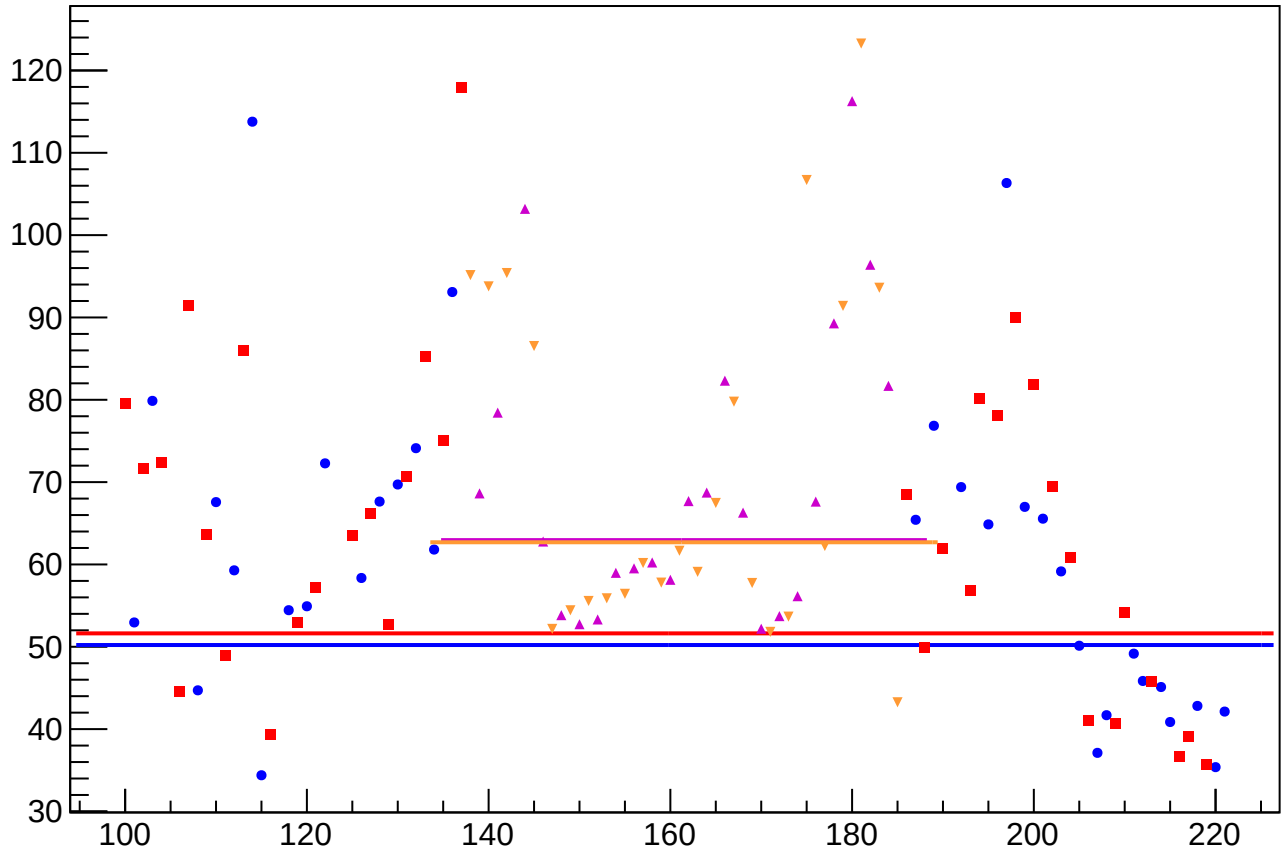
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.001+/-0.008 χ^2/NDF: 86.7/68

In: -0.010+/-0.009 χ^2/NDF:73.9/56

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.004+/-0.007 χ^2/NDF: 143.4/115



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: 51.629+/-0.009 χ^2/NDF: 3042450.1/34

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

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

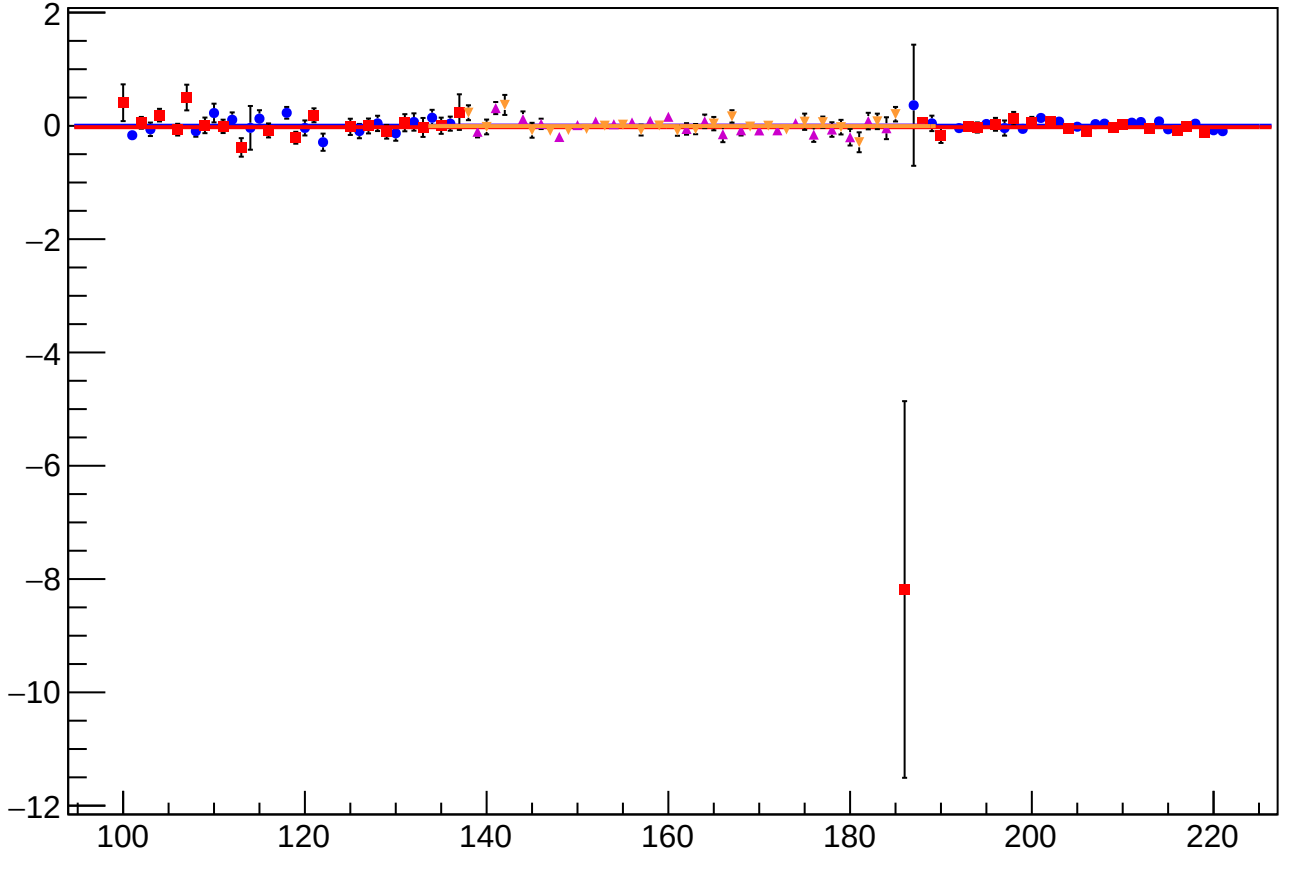
Right: 50.883+/-0.006 χ^2/NDF: 5892012.7/68

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

Out: 55.865+/-0.007 χ^2/NDF:5611769.2/58

All: 55.298+/-0.005 χ^2/NDF: 10760274.2/115

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: -0.024+/-0.016 χ^2/NDF: 42.7/34

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

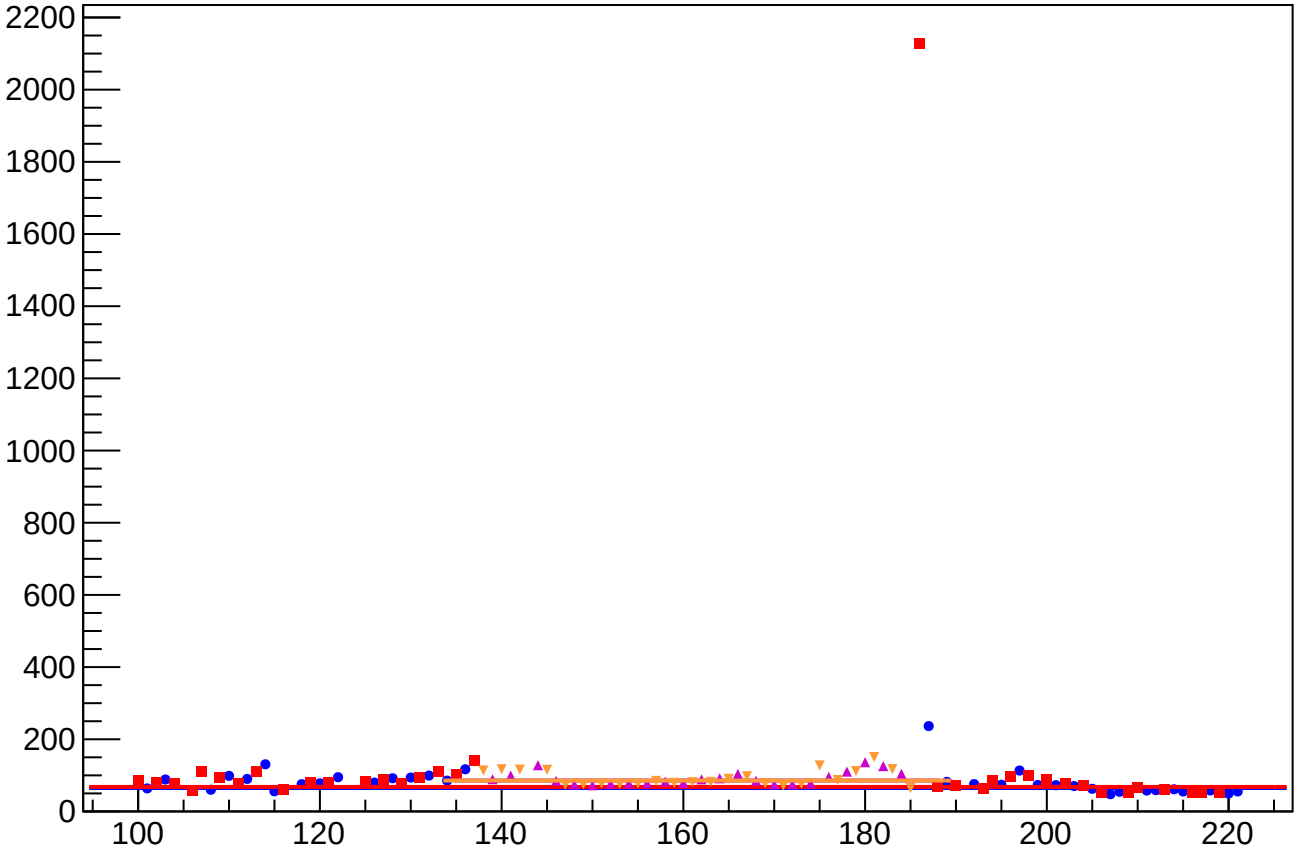
Right: -0.010+/-0.011 χ^2/NDF: 79.7/68

In: 0.002+/-0.012 χ^2/NDF:66.1/56

Out: -0.017+/-0.013 χ^2/NDF:64.6/58

All: -0.007+/-0.009 χ^2/NDF: 131.9/115

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: 67.918+/-0.011 χ^2/NDF: 2855568.6/34

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

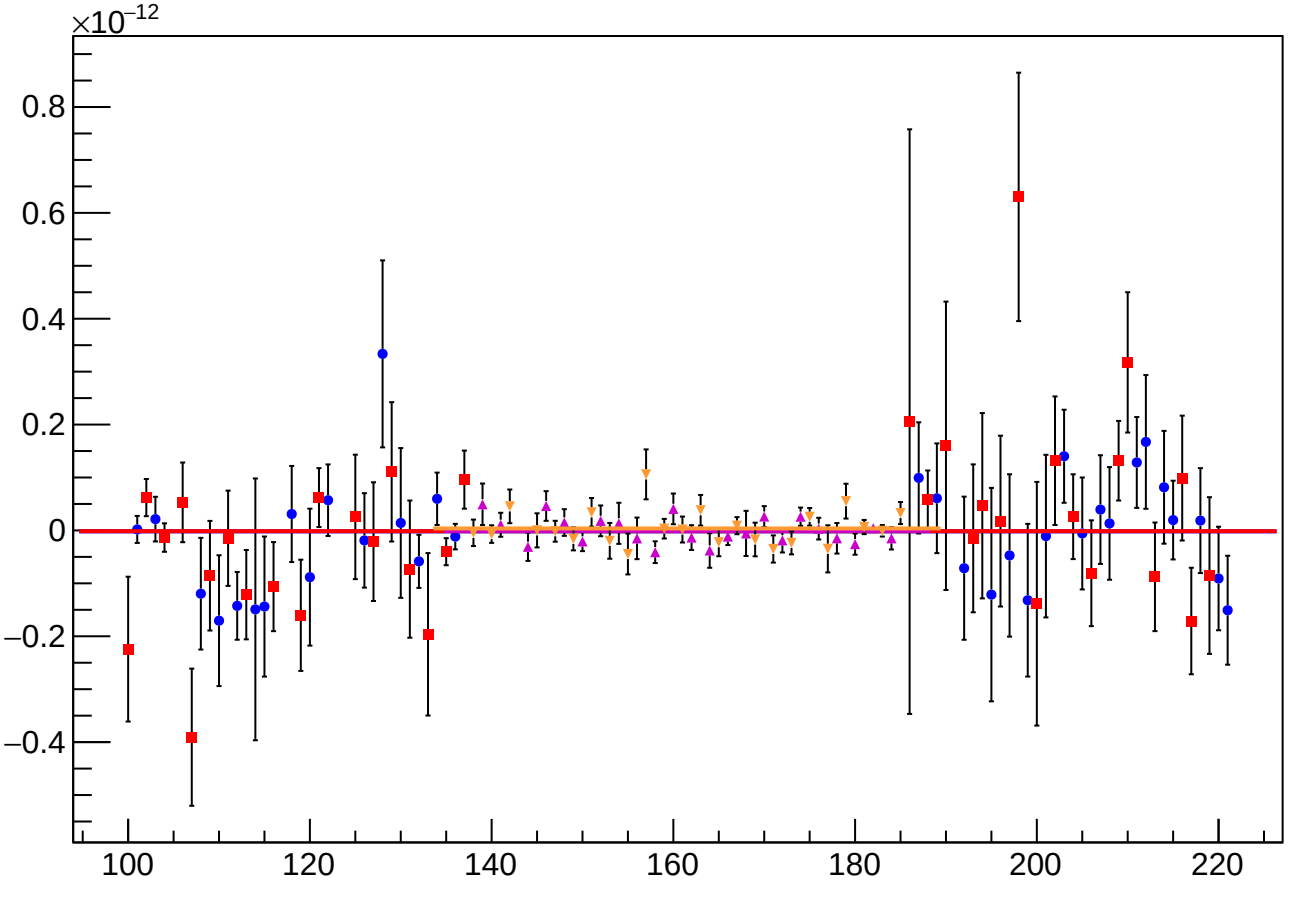
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 66.408+/-0.008 χ^2/NDF: 5092035.4/68

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

Out: 74.430+/-0.009 χ^2/NDF:5138694.3/58

All: 73.164+/-0.006 χ^2/NDF: 9692019.5/115



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: 56.5/34

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

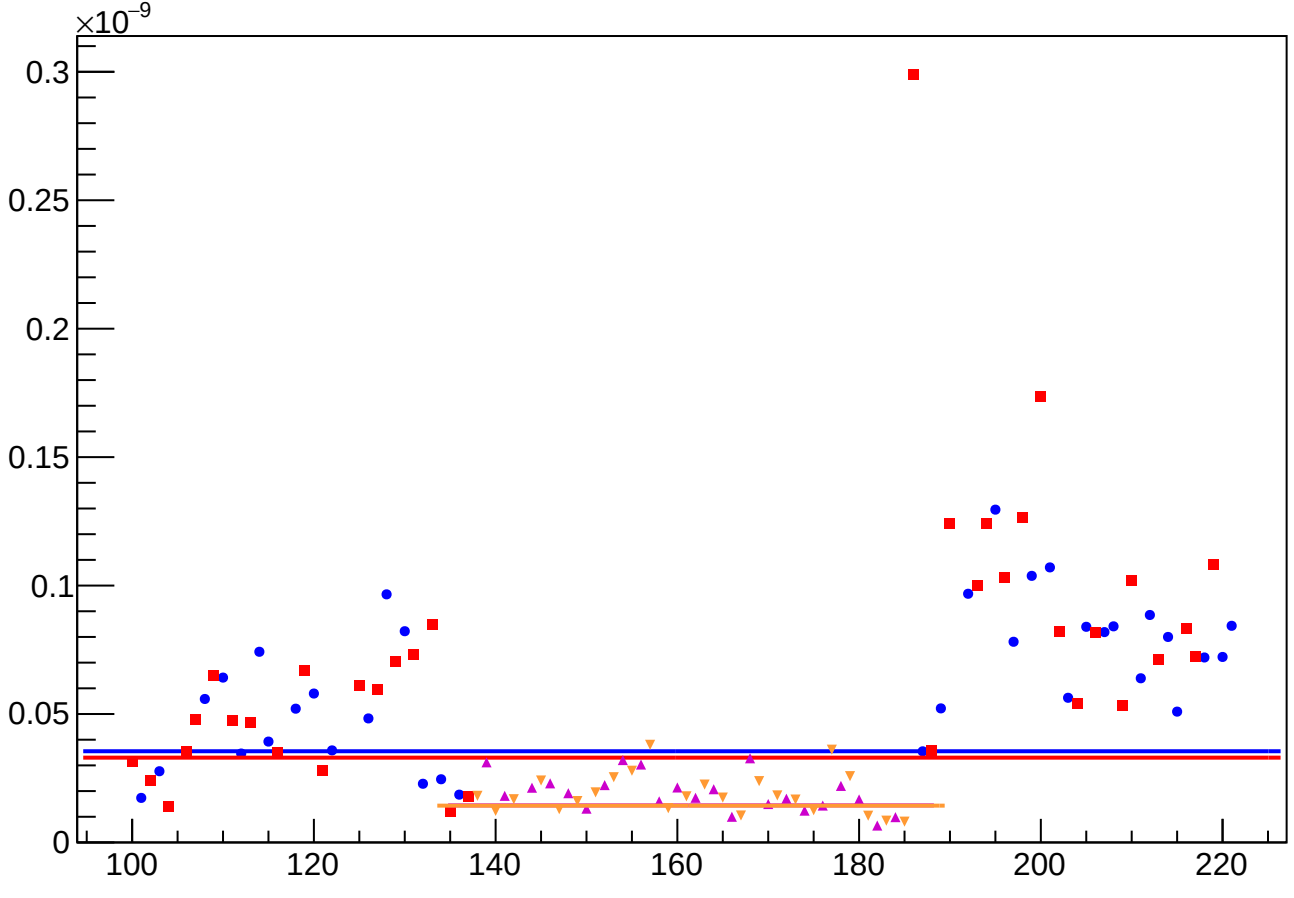
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 87.6/68

In: -0.000+/-0.000 χ^2/NDF:54.7/56

Out: 0.000+/-0.000 χ^2/NDF:81.6/58

All: 0.000+/-0.000 χ^2/NDF: 136.9/115



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: 10213085.1/34

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

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

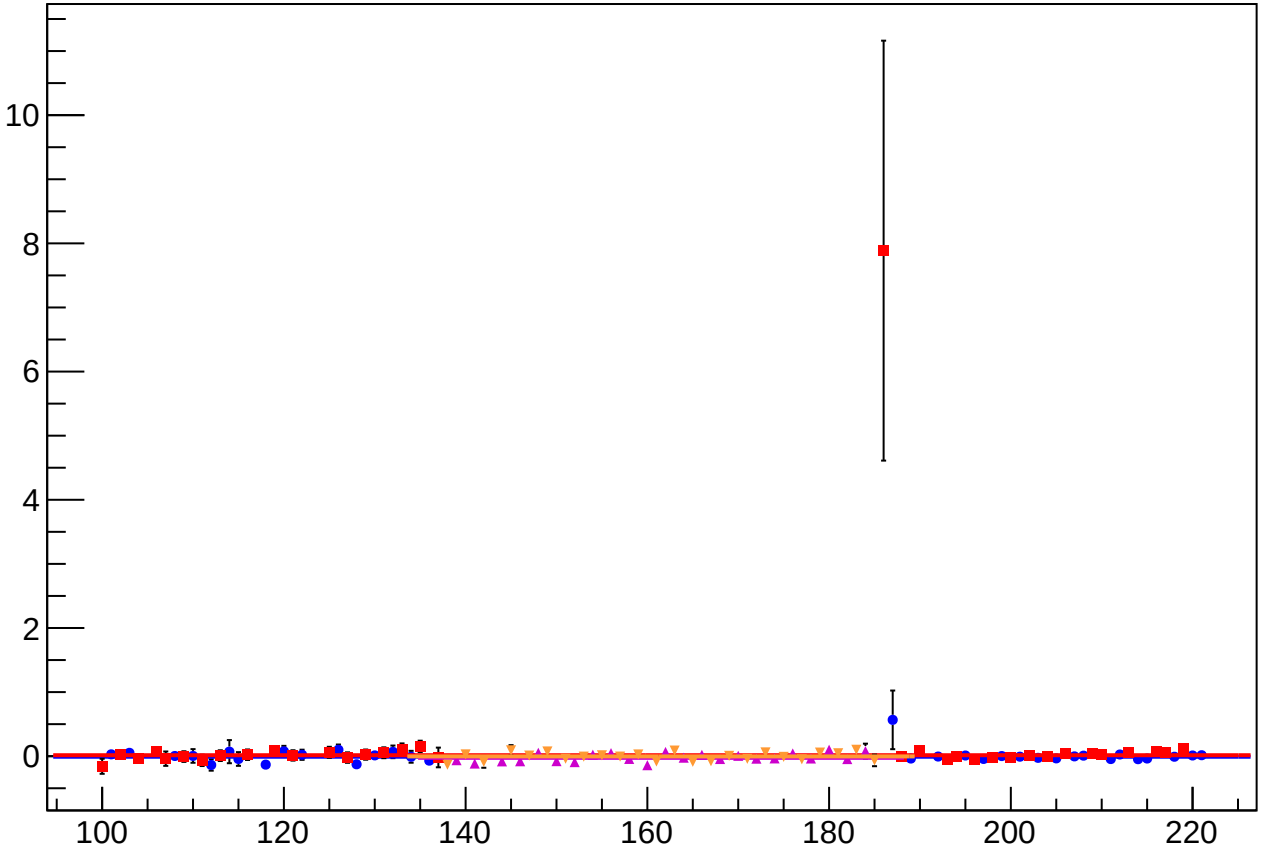
Right: 0.000+/-0.000 χ^2/NDF: 18701467.4/68

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

Out: 0.000+/-0.000 χ^2/NDF:18103613.6/58

All: 0.000+/-0.000 χ^2/NDF: 36475451.0/115

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: 0.015+/-0.007 χ^2/NDF: 49.6/34

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

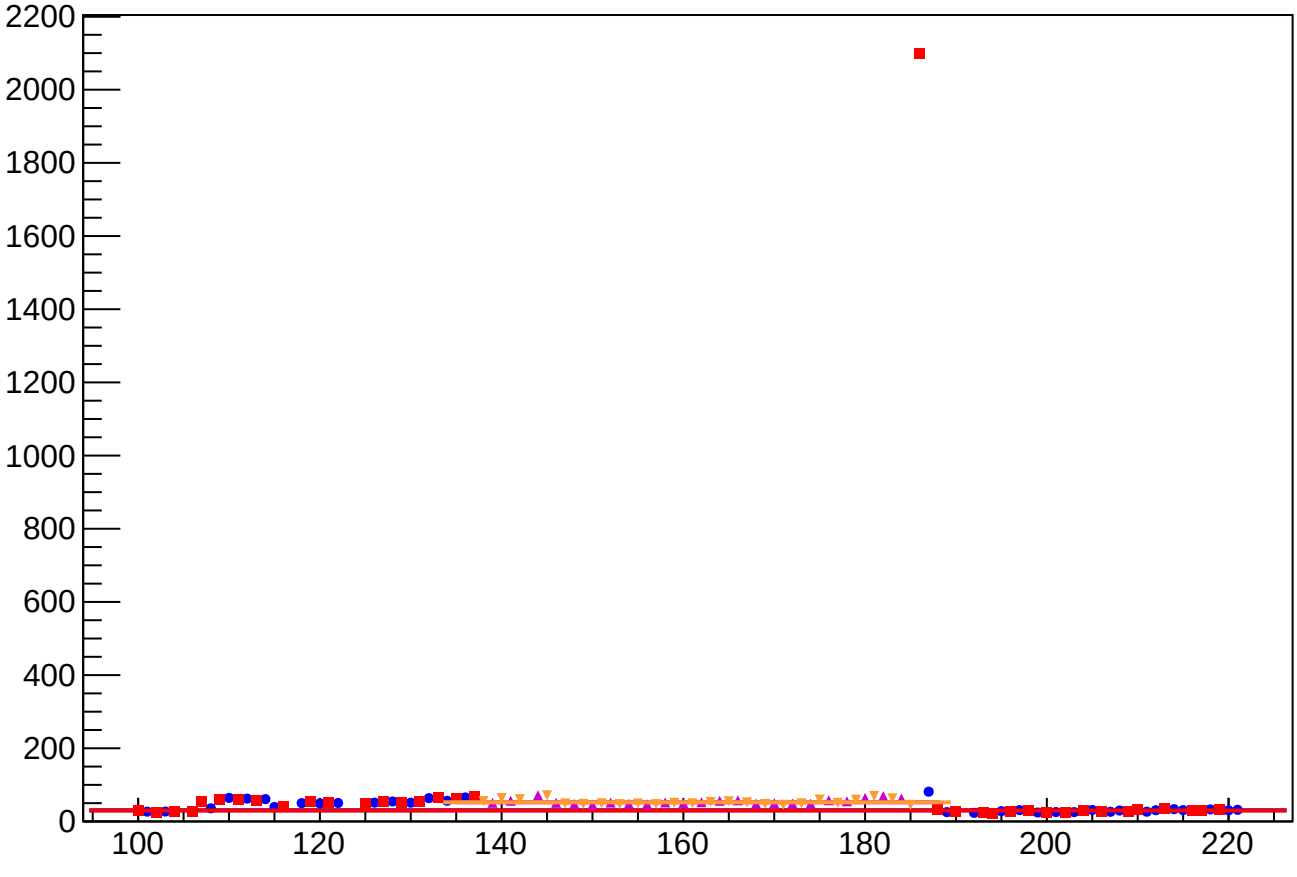
Right: 0.003+/-0.005 χ^2/NDF: 81.3/68

In: -0.012+/-0.006 χ^2/NDF:51.9/56

Out: 0.011+/-0.006 χ^2/NDF:74.4/58

All: -0.001+/-0.004 χ^2/NDF: 133.3/115

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: 30.004+/-0.005 χ^2/NDF: 3884629.8/34

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

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

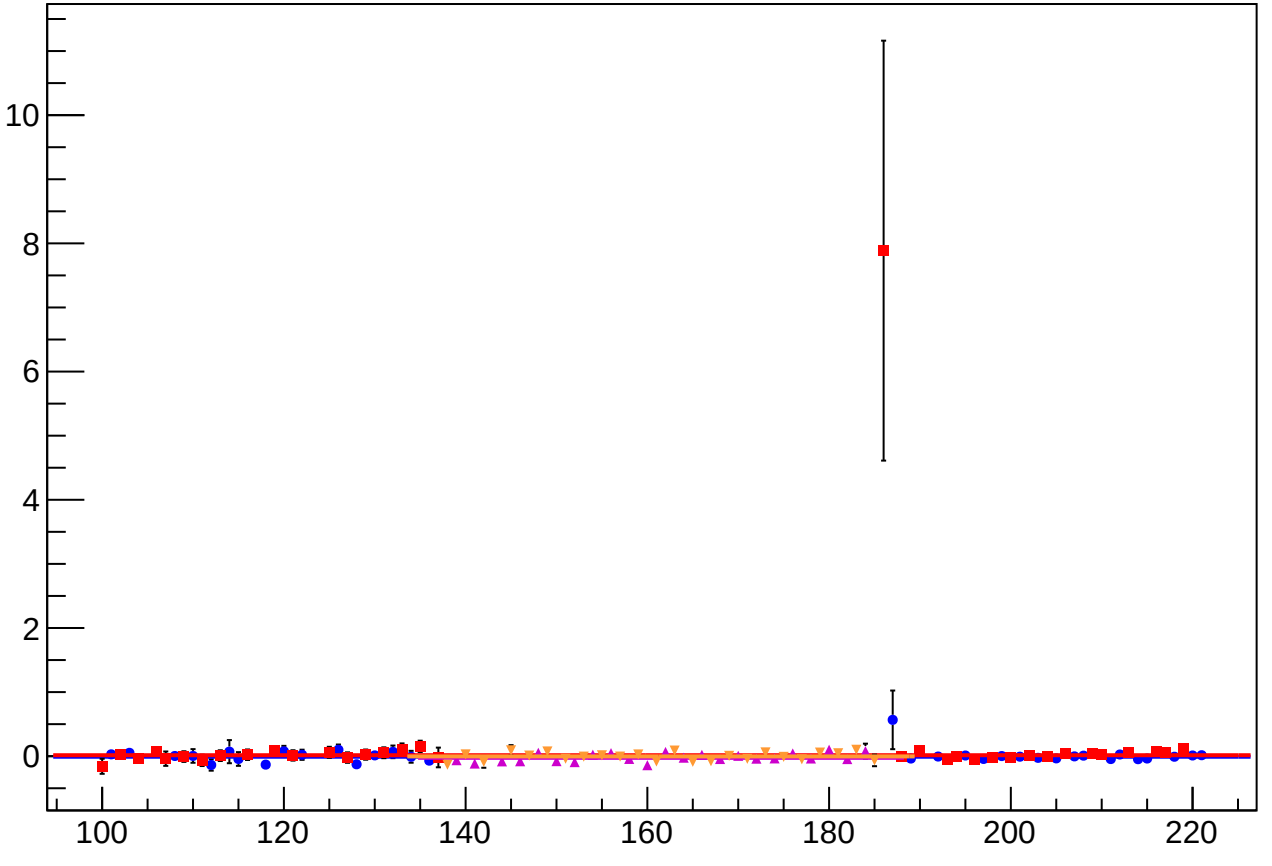
Right: 30.273+/-0.004 χ^2/NDF: 6784764.5/68

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

Out: 35.500+/-0.004 χ^2/NDF:9295688.4/58

All: 35.610+/-0.003 χ^2/NDF: 17338856.4/115

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: 0.015+/-0.007 χ^2/NDF: 49.6/34

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

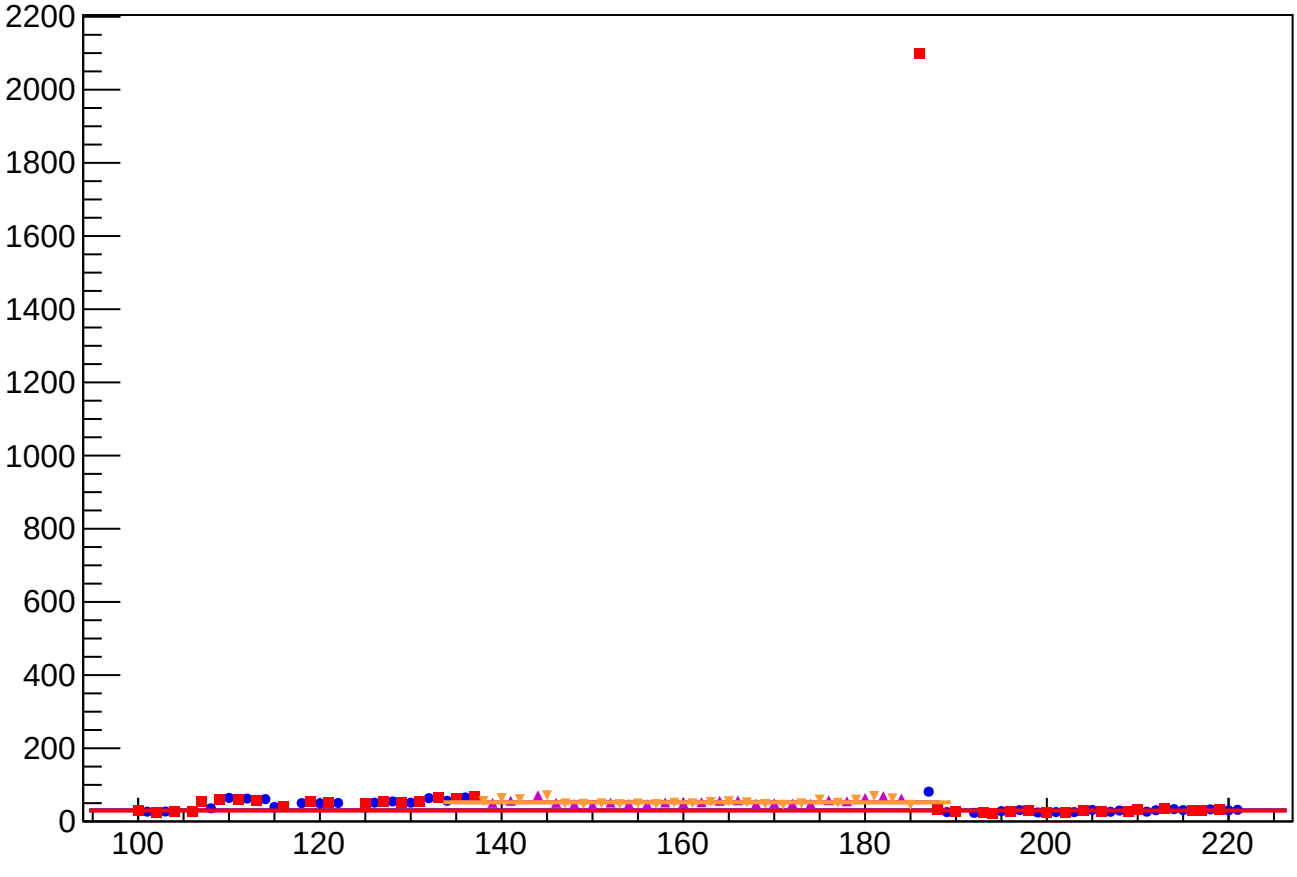
Right: 0.003+/-0.005 χ^2/NDF: 81.3/68

In: -0.012+/-0.006 χ^2/NDF:51.9/56

Out: 0.011+/-0.006 χ^2/NDF:74.4/58

All: -0.001+/-0.004 χ^2/NDF: 133.3/115

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: 30.004+/-0.005 χ^2/NDF: 3884629.8/34

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

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

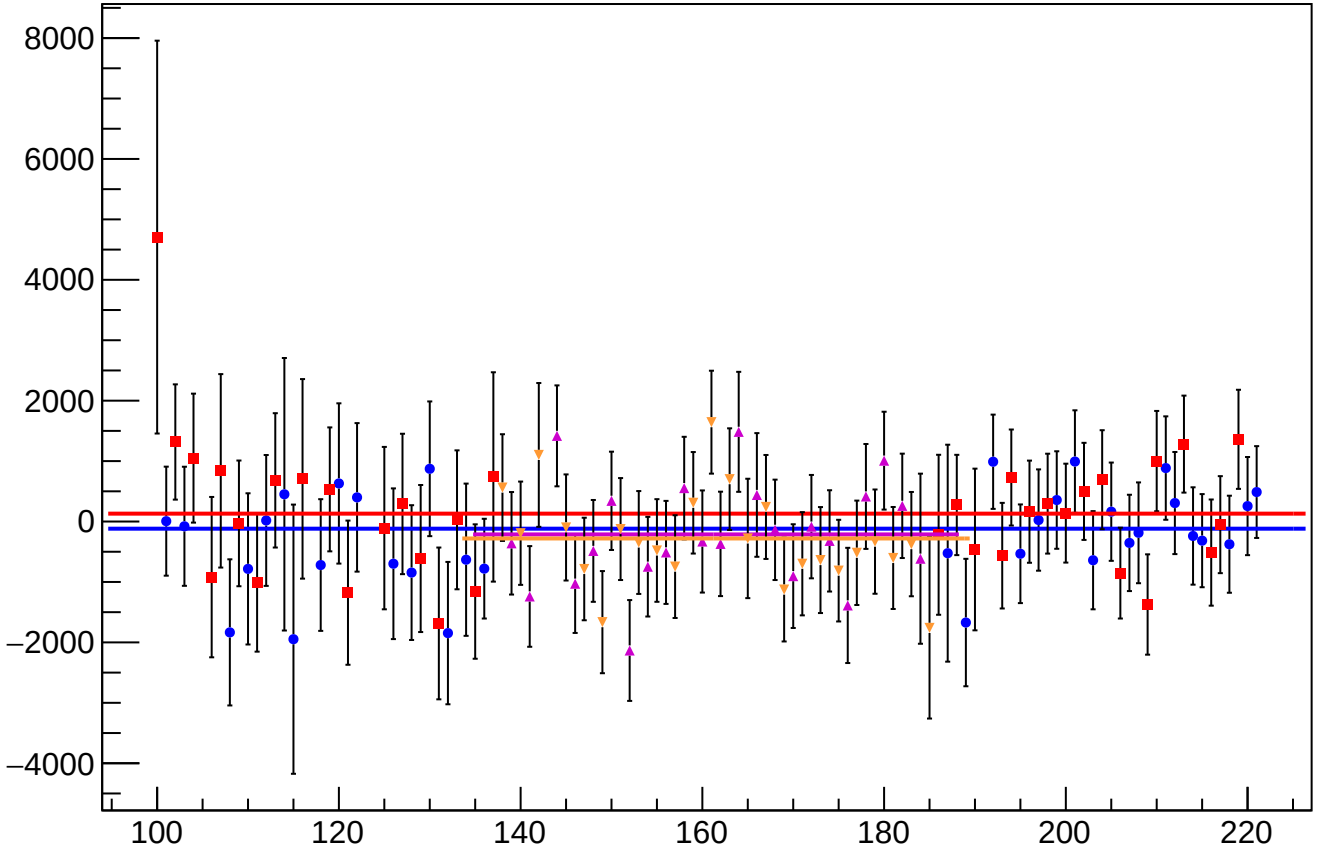
Right: 30.273+/-0.004 χ^2/NDF: 6784764.5/68

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

Out: 35.500+/-0.004 χ^2/NDF:9295688.4/58

All: 35.610+/-0.003 χ^2/NDF: 17338856.4/115

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: 130.475+/-167.878 χ^2/NDF: 25.0/34

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

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

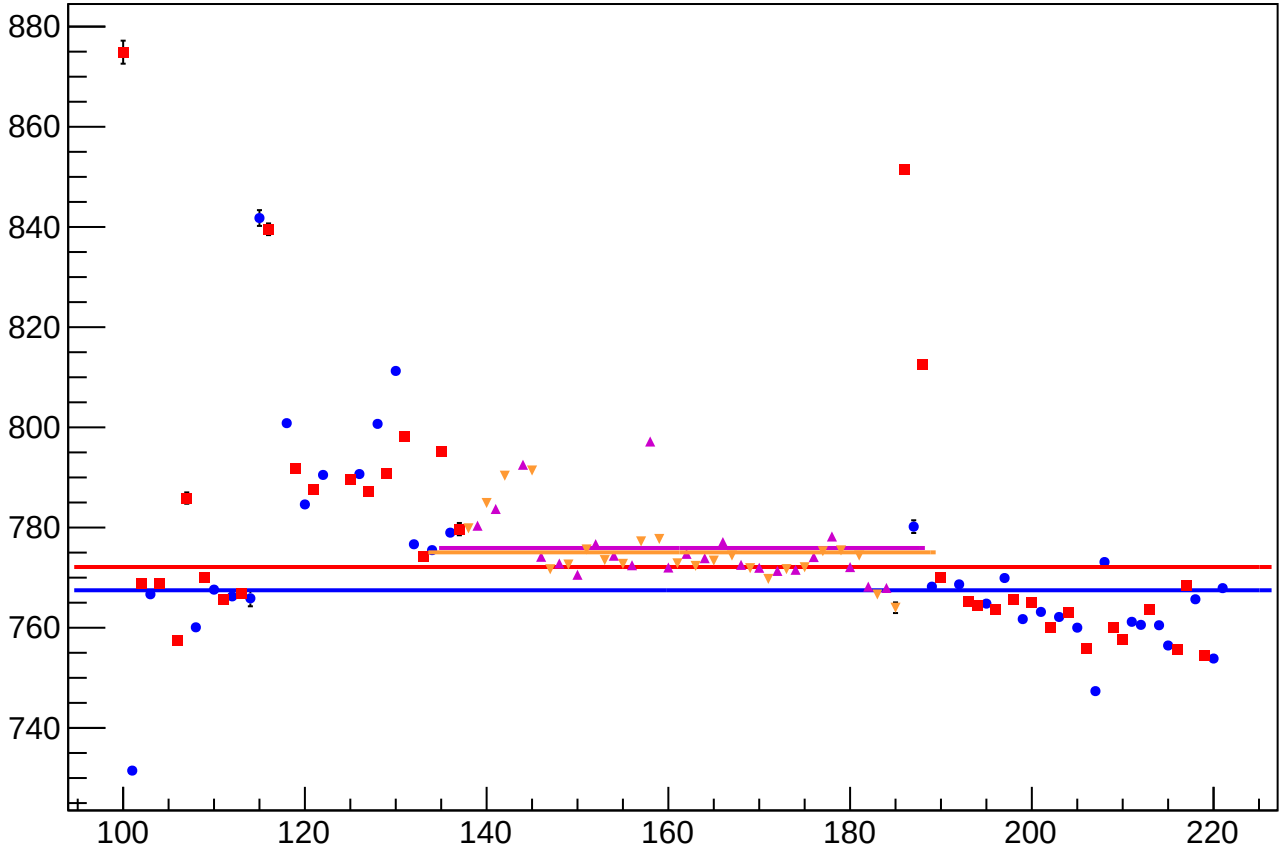
Right: 2.543+/-117.045 χ^2/NDF: 44.3/68

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

Out: -60.782+/-122.732 χ^2/NDF:43.9/58

All: -111.497+/-86.269 χ^2/NDF: 84.9/115

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: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

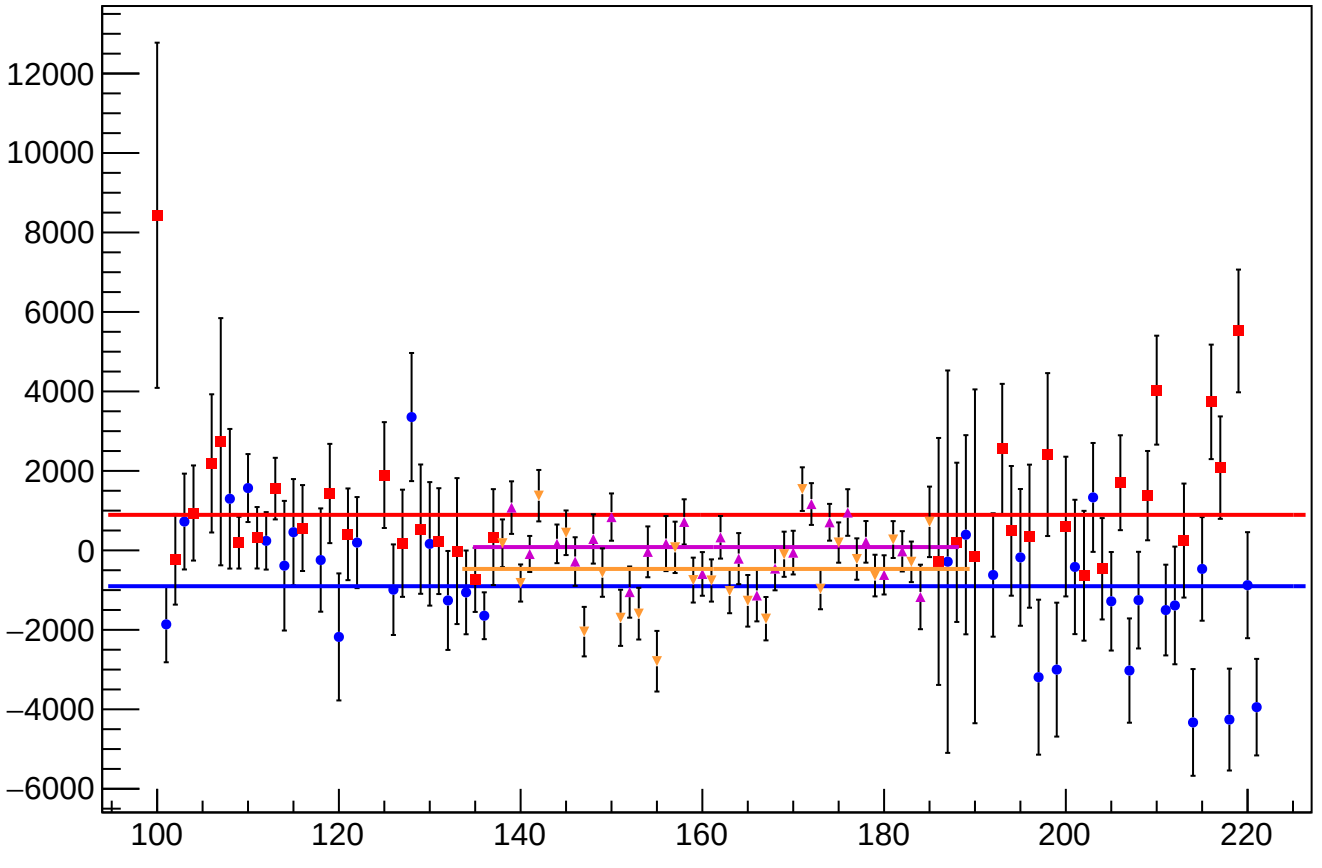
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.737+/-0.083 χ^2/NDF: 45811.7/68

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

Out: 773.486+/-0.087 χ^2/NDF:29419.4/58

All: 772.361+/-0.061 χ^2/NDF: 52960.5/115



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: 893.869+/-215.676 χ^2/NDF: 37.4/34

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

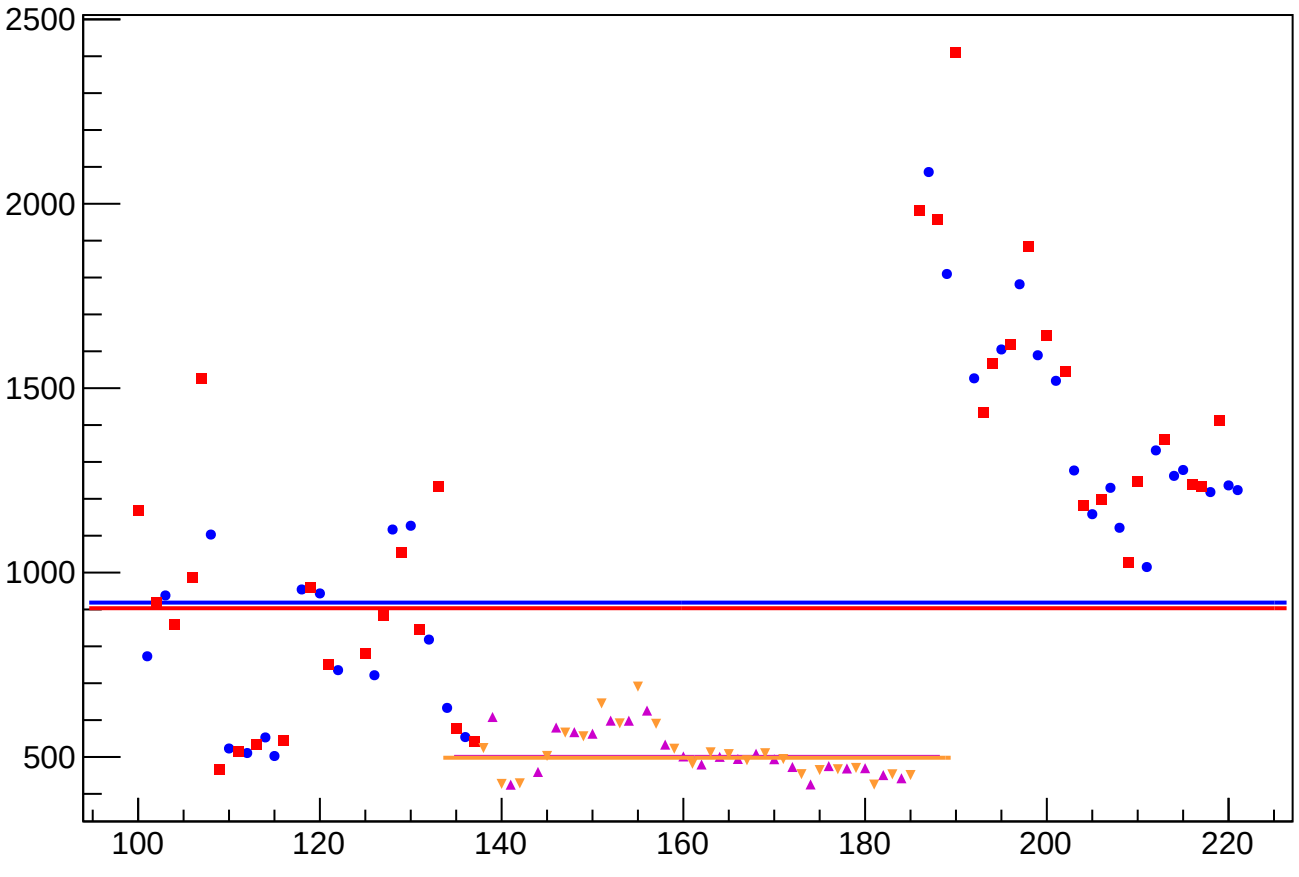
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -27.092+/-150.532 χ^2/NDF: 129.4/68

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

Out: -158.868+/-102.647 χ^2/NDF:132.6/58

All: -155.586+/-72.625 χ^2/NDF: 233.9/115



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: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

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

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

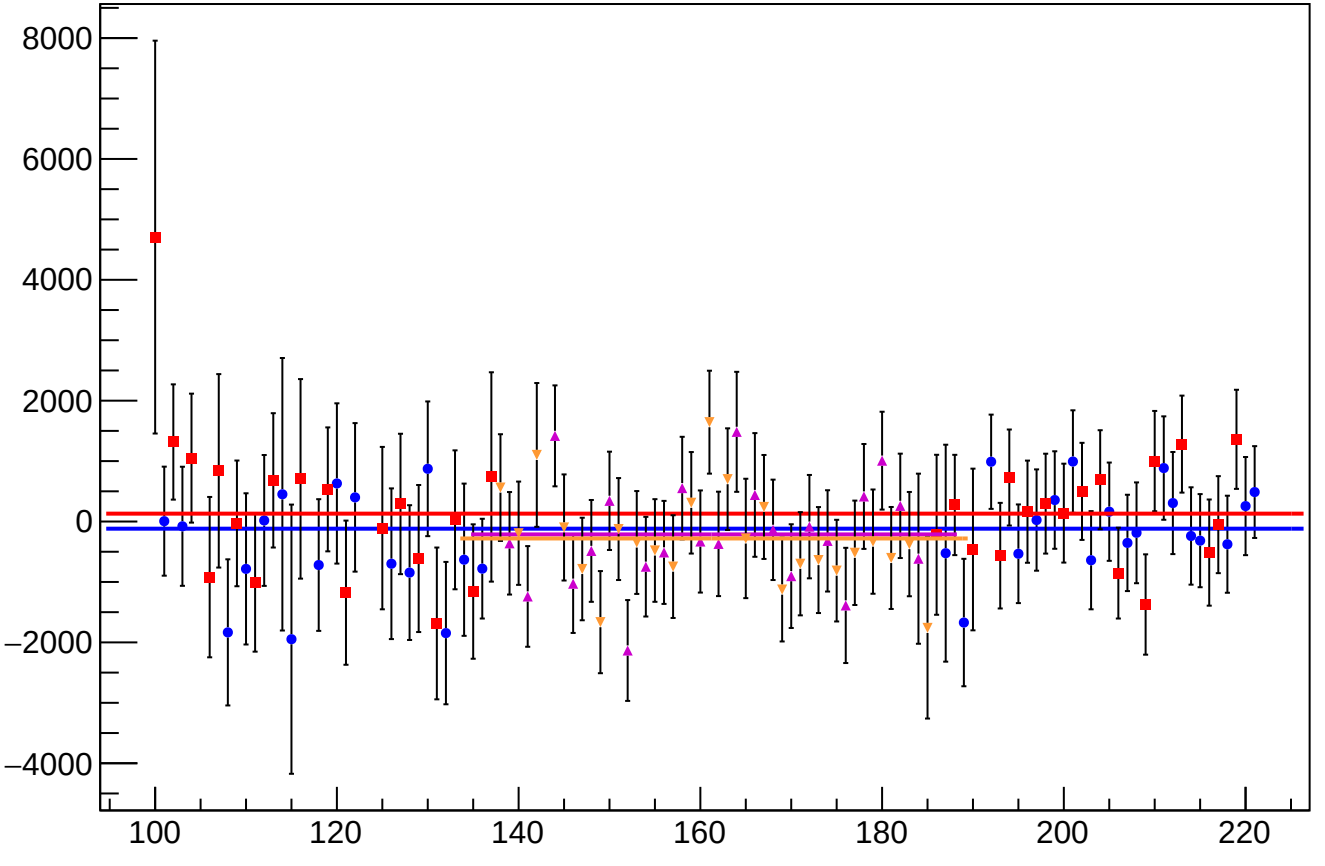
Right: 911.169+/-0.106 χ^2/NDF: 12548824.1/68

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

Out: 589.785+/-0.073 χ^2/NDF:12866448.5/58

All: 595.034+/-0.051 χ^2/NDF: 25050750.0/11

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: 130.475+/-167.878 χ^2/NDF: 25.0/34

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

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

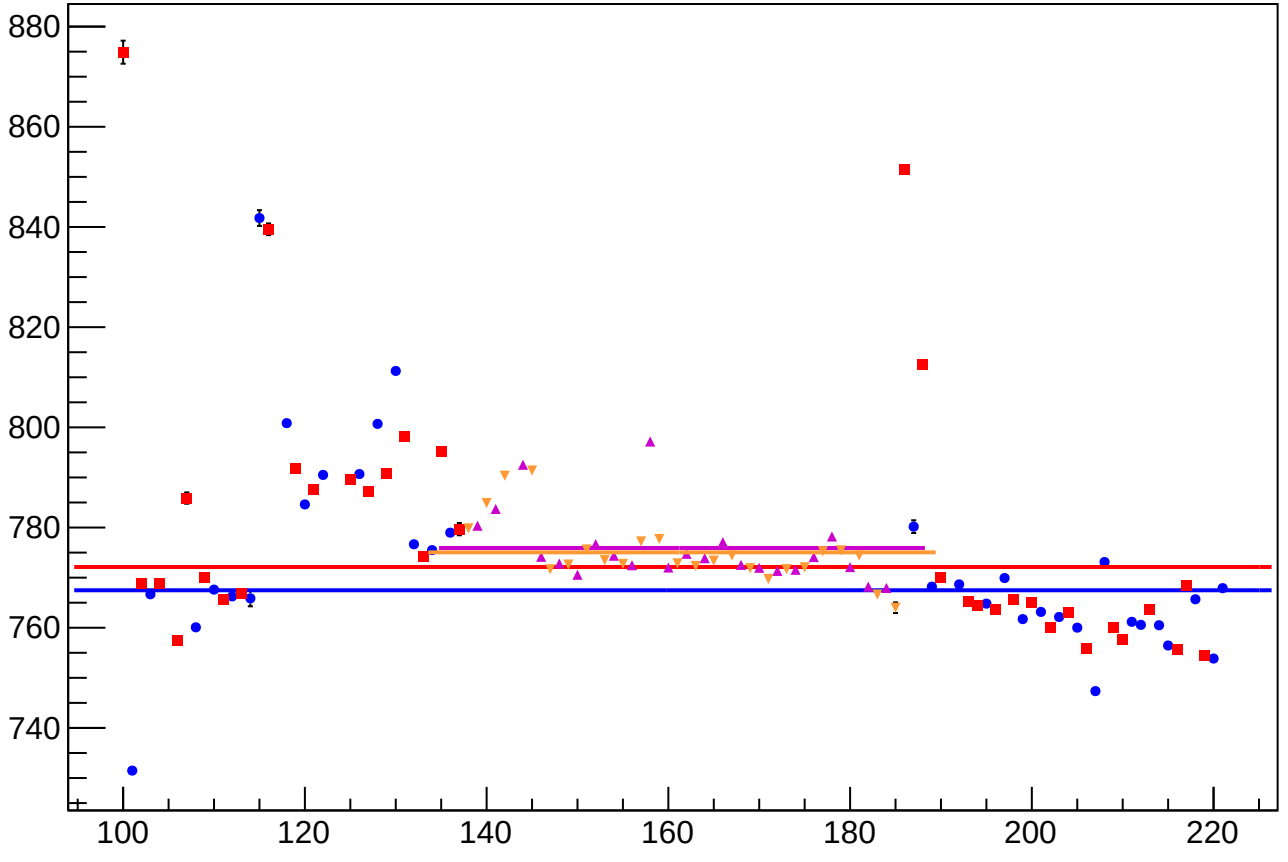
Right: 2.543+/-117.045 χ^2/NDF: 44.3/68

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

Out: -60.782+/-122.732 χ^2/NDF:43.9/58

All: -111.497+/-86.269 χ^2/NDF: 84.9/115

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: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

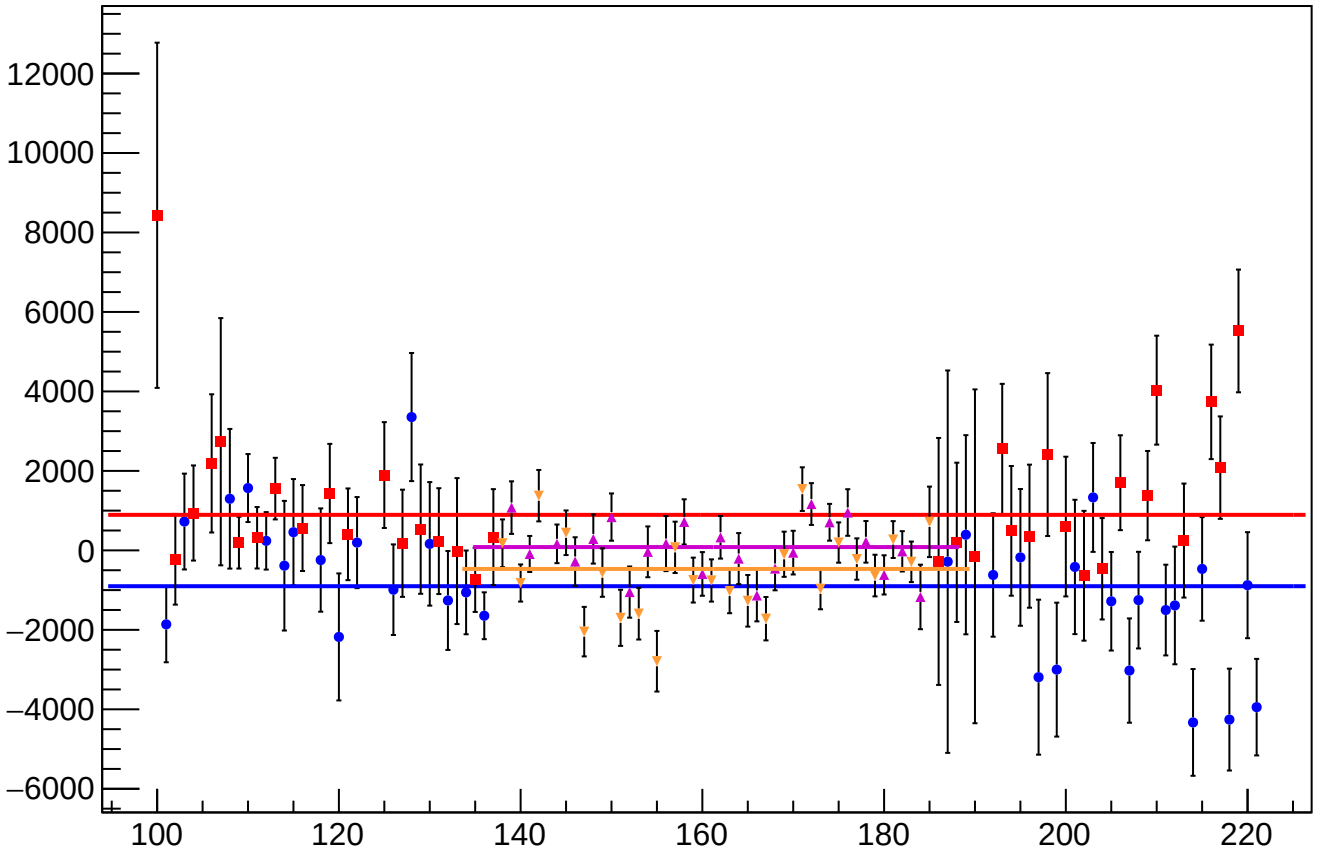
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.737+/-0.083 χ^2/NDF: 45811.7/68

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

Out: 773.486+/-0.087 χ^2/NDF:29419.4/58

All: 772.361+/-0.061 χ^2/NDF: 52960.5/115



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: 893.869+/-215.676 χ^2/NDF: 37.4/34

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

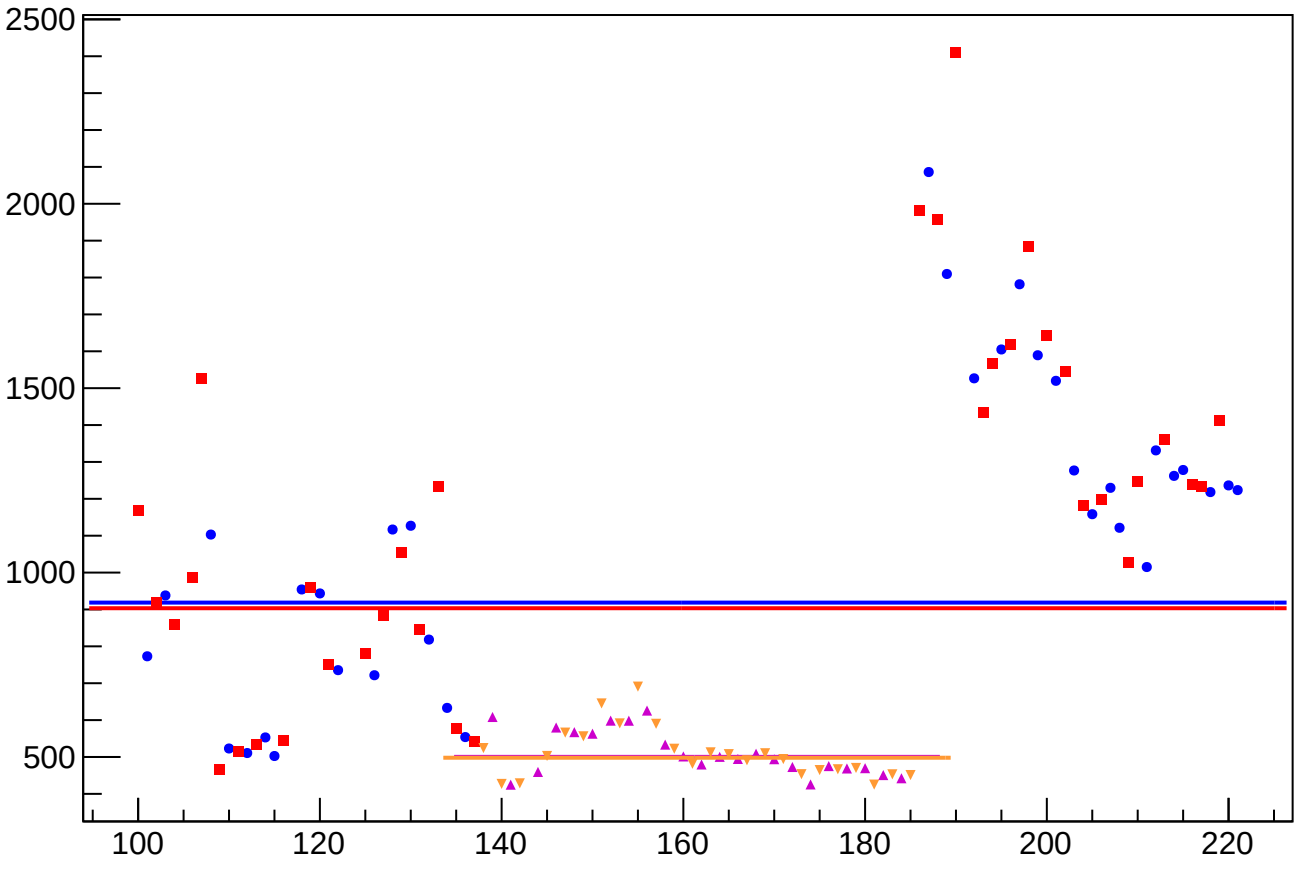
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -27.092+/-150.532 χ^2/NDF: 129.4/68

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

Out: -158.868+/-102.647 χ^2/NDF:132.6/58

All: -155.586+/-72.625 χ^2/NDF: 233.9/115



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: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

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

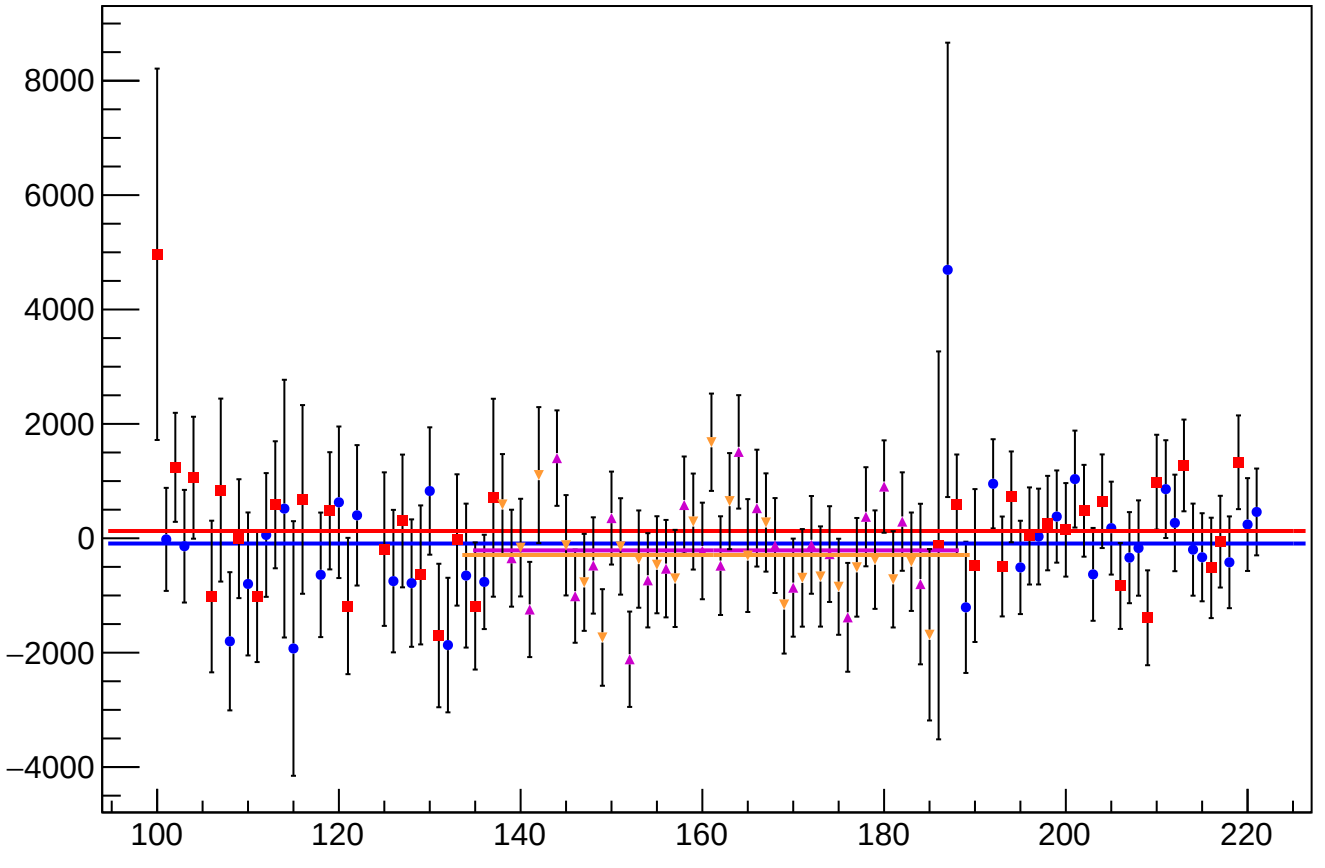
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 911.169+/-0.106 χ^2/NDF: 12548824.1/68

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

Out: 589.785+/-0.073 χ^2/NDF:12866448.5/58

All: 595.034+/-0.051 χ^2/NDF: 25050750.0/11



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: 127.431+/-169.279 χ^2/NDF: 25.1/34

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

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

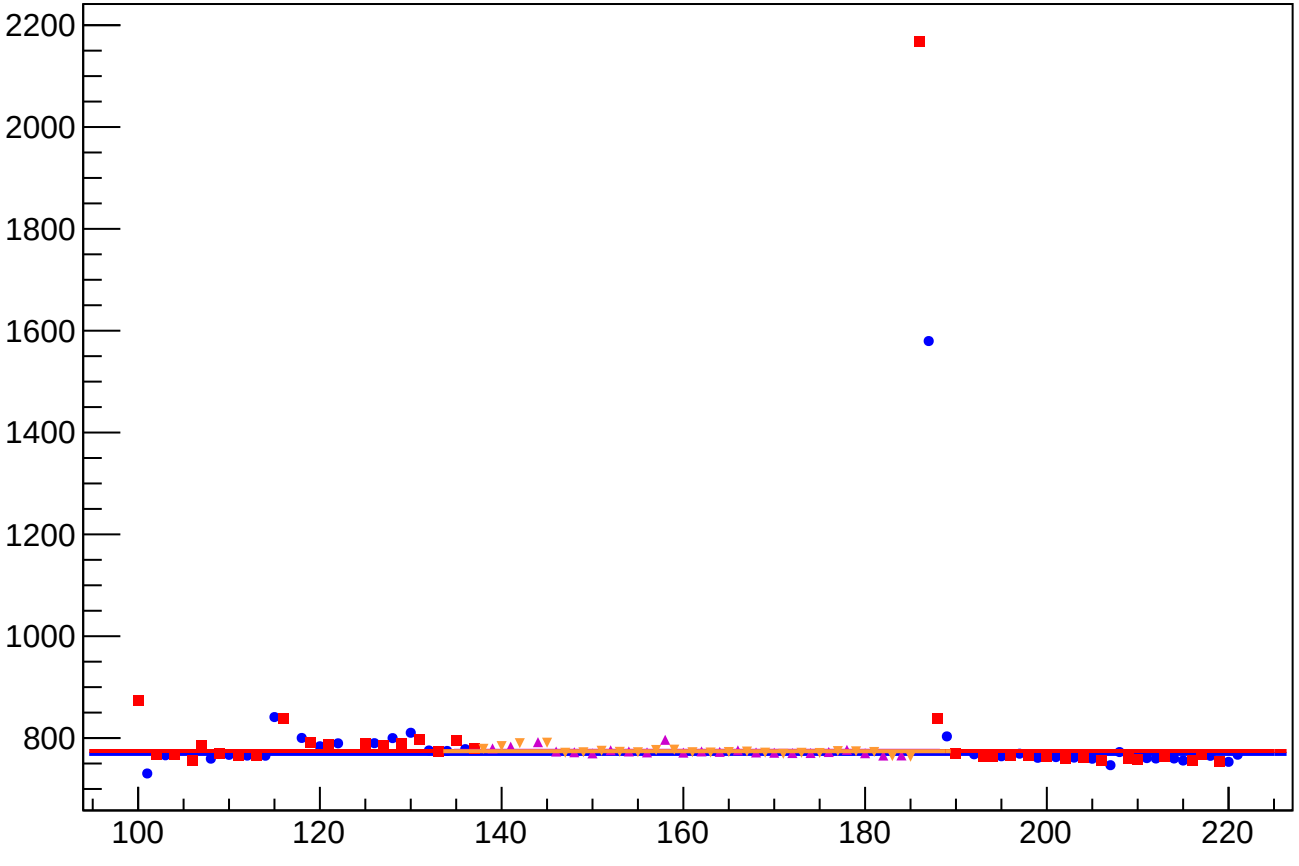
Right: 14.388+/-117.782 χ^2/NDF: 43.9/68

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

Out: -69.822+/-123.208 χ^2/NDF:44.6/58

All: -108.237+/-86.515 χ^2/NDF: 85.1/115

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: 774.565+/-0.120 χ^2/NDF: 364898.6/34

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

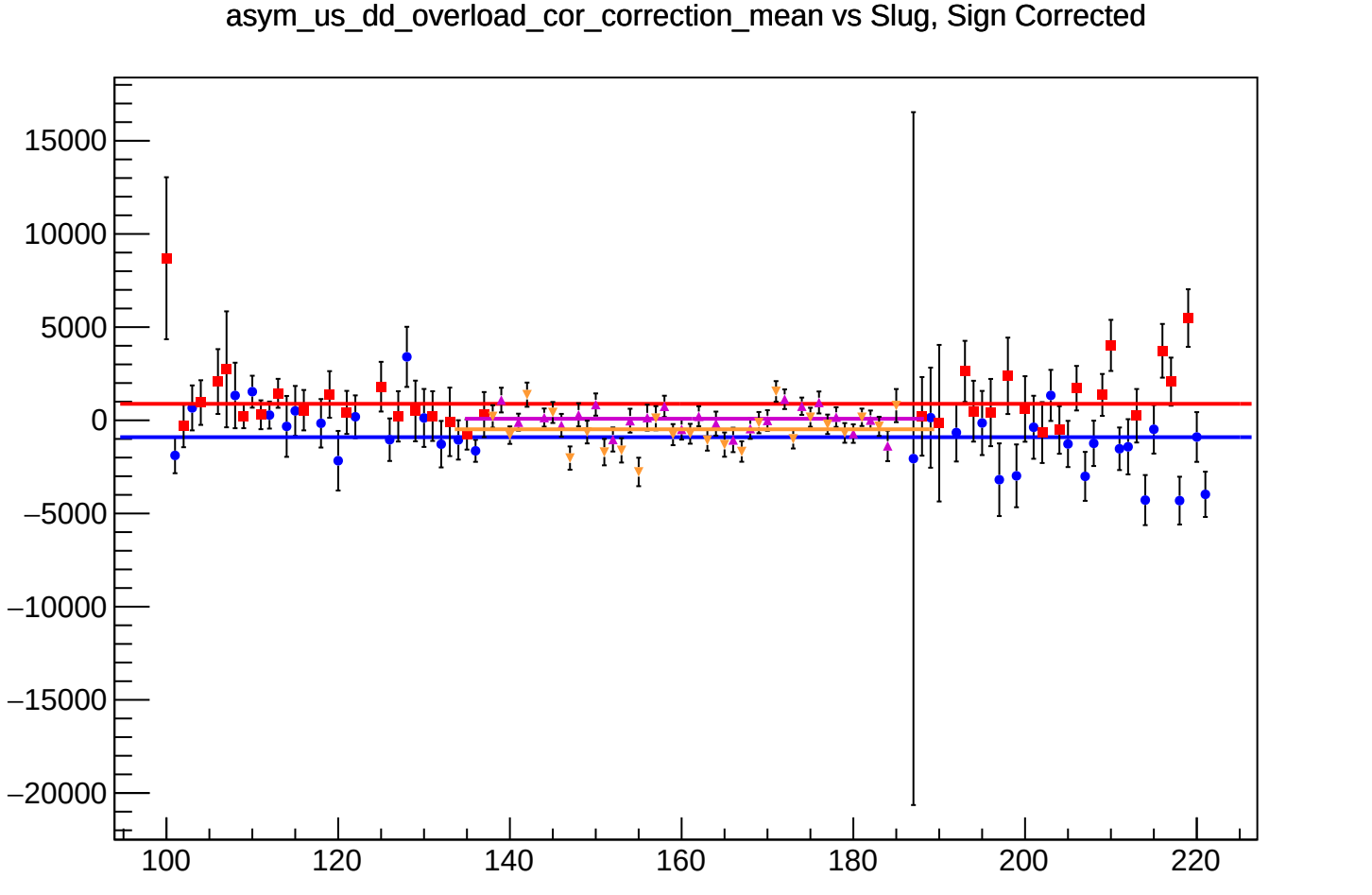
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 771.609+/-0.083 χ^2/NDF: 469288.4/68

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

Out: 774.366+/-0.087 χ^2/NDF:366964.9/58

All: 772.969+/-0.061 χ^2/NDF: 475098.1/115



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

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

Right Out: 883.898+/-216.566 χ^2/NDF: 37.2/33

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

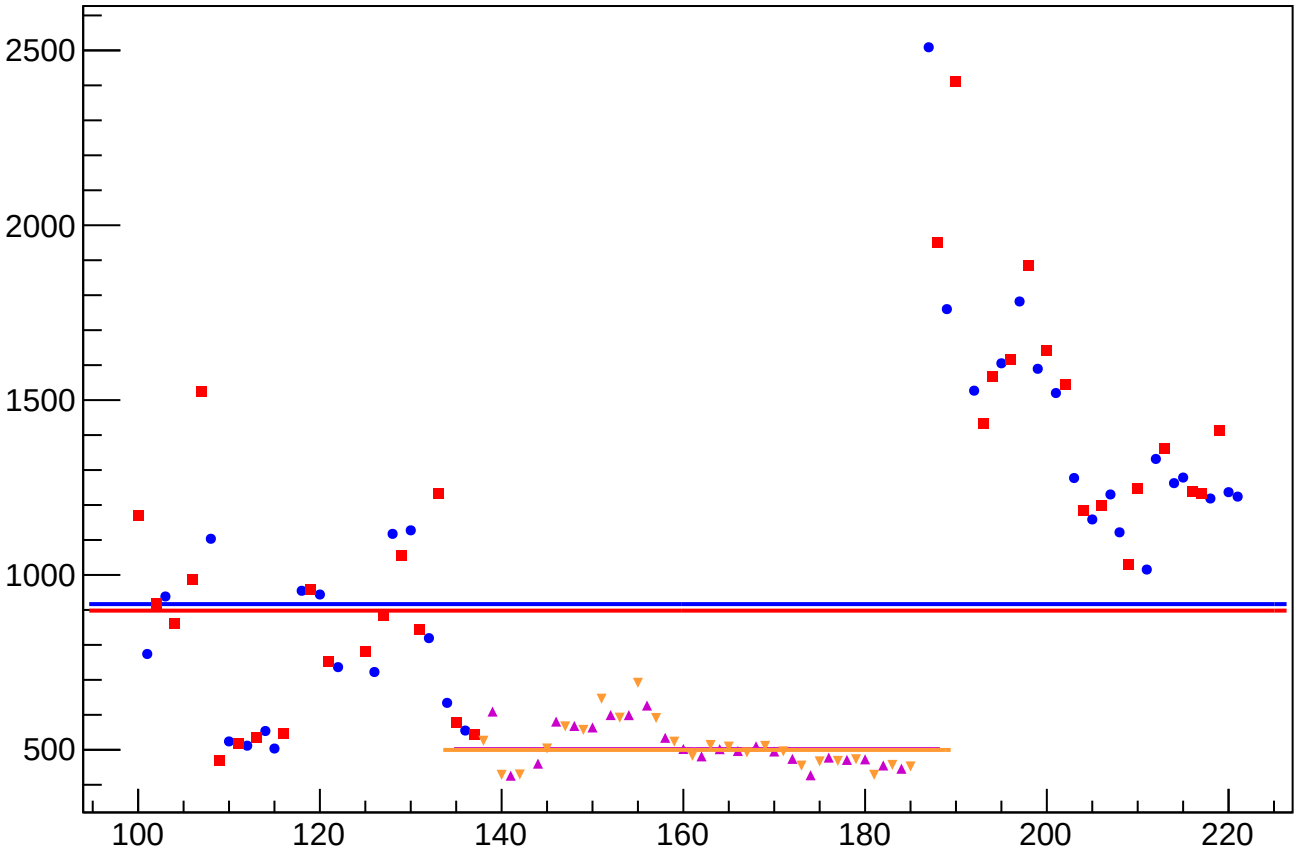
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: -35.260+/-151.016 χ^2/NDF: 128.7/67

In: -153.405+/-103.082 χ^2/NDF:101.5/56

Out: -172.499+/-103.000 χ^2/NDF:131.4/57

All: -162.959+/-72.861 χ^2/NDF: 232.9/114



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: 898.016+/-0.153 χ^2/NDF: 6545099.5/33

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

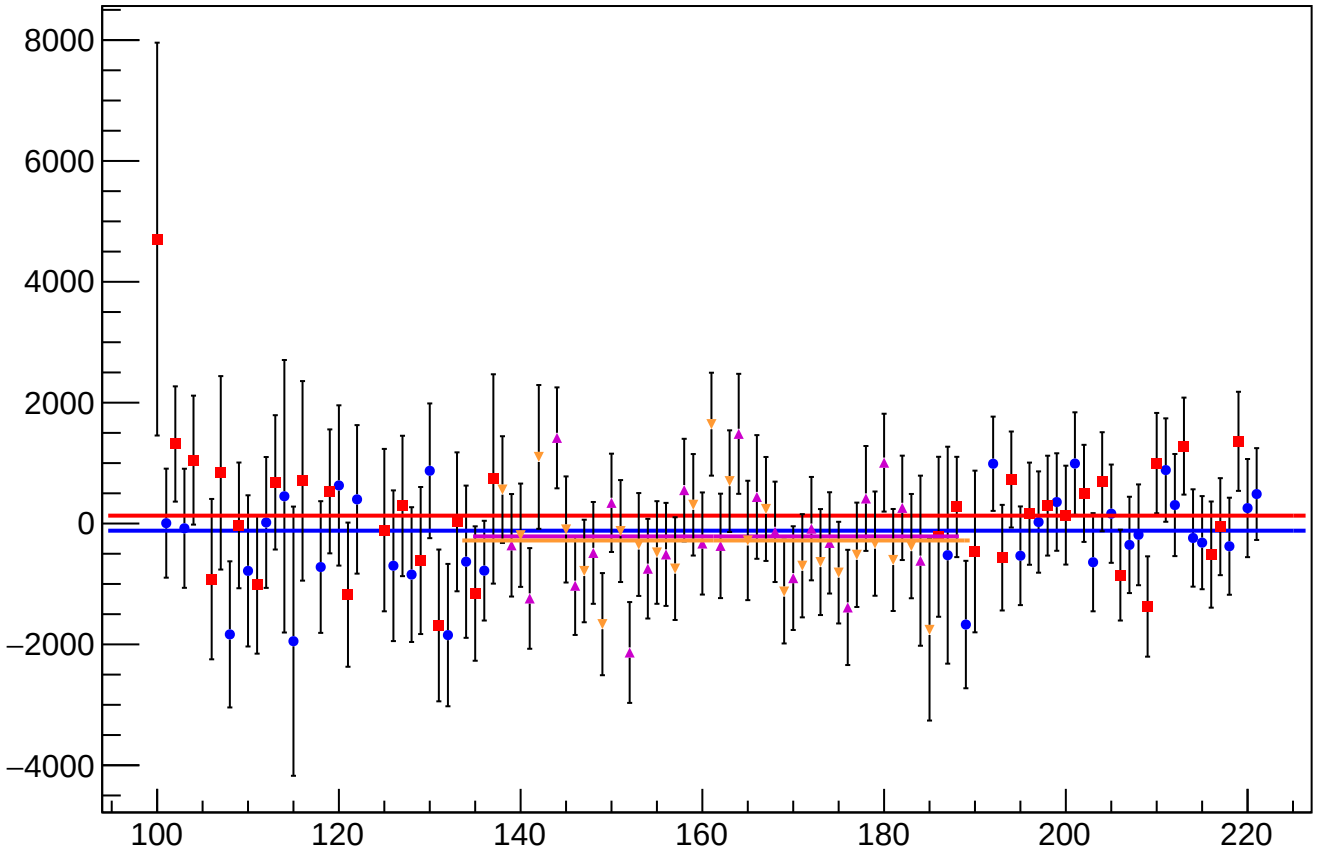
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 907.582+/-0.107 χ^2/NDF: 12042501.9/67

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

Out: 589.777+/-0.073 χ^2/NDF:12297392.0/57

All: 595.519+/-0.052 χ^2/NDF: 24157984.3/11



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: 130.475+/-167.878 χ^2/NDF: 25.0/34

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

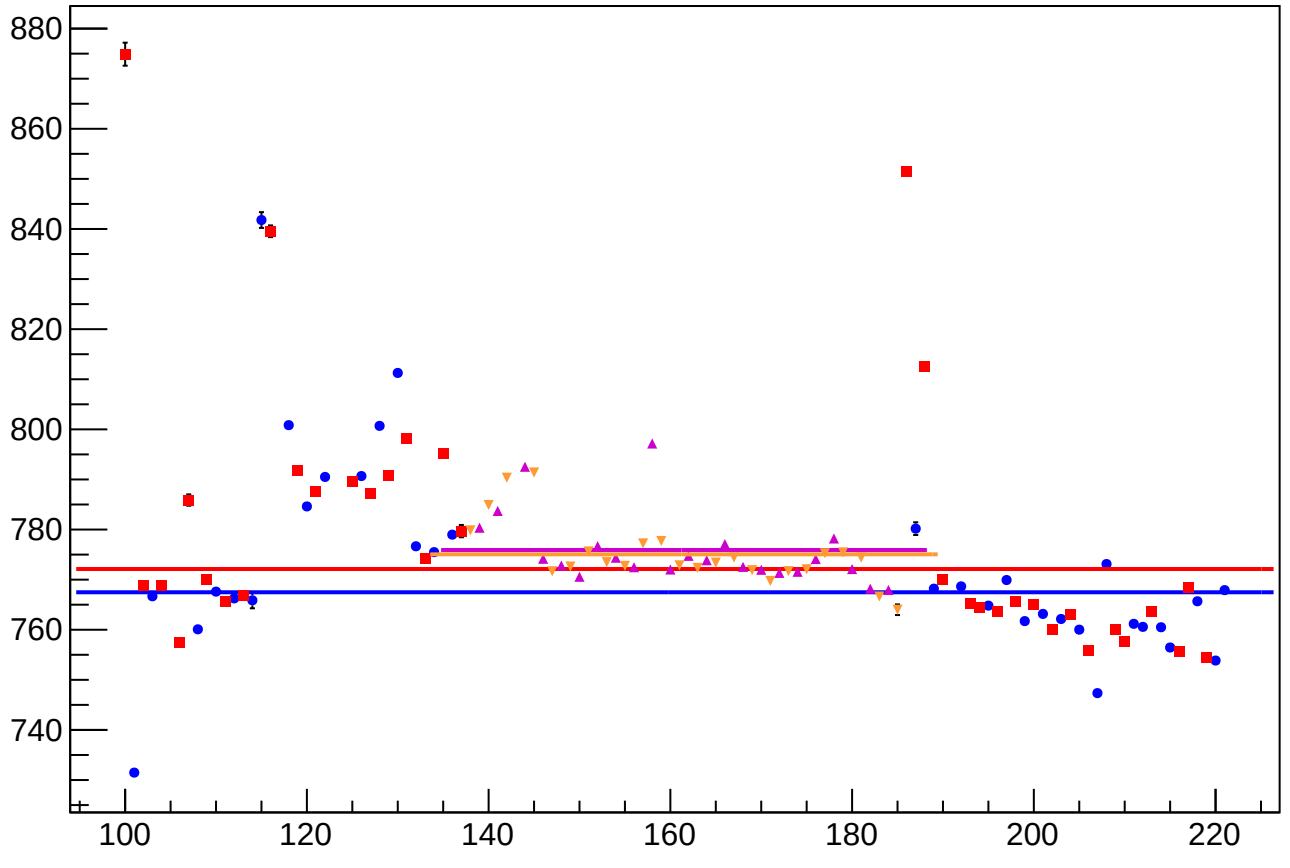
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: 2.543+/-117.045 χ^2/NDF: 44.3/68

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

Out: -60.782+/-122.732 χ^2/NDF:43.9/58

All: -111.497+/-86.269 χ^2/NDF: 84.9/115



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: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

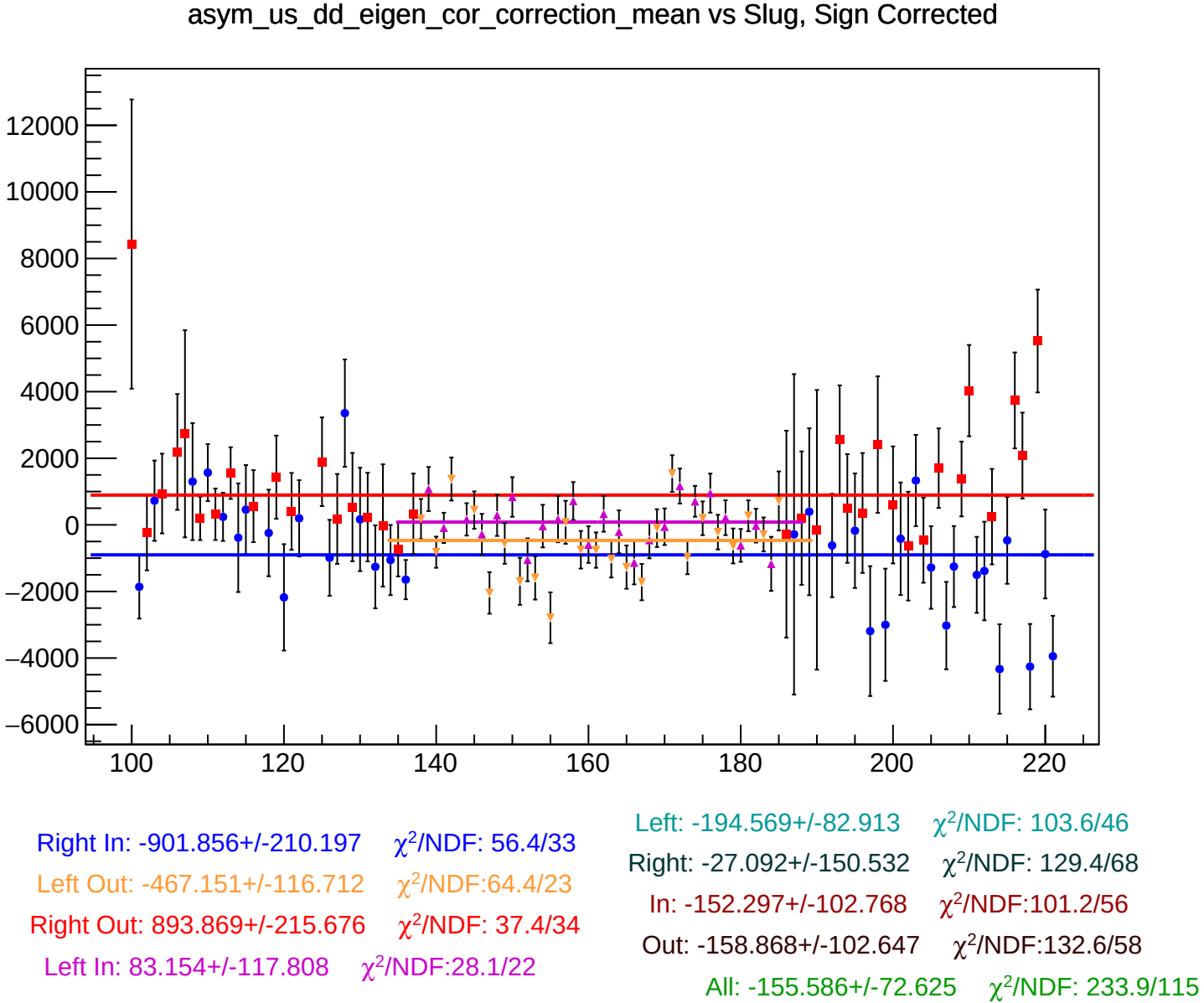
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

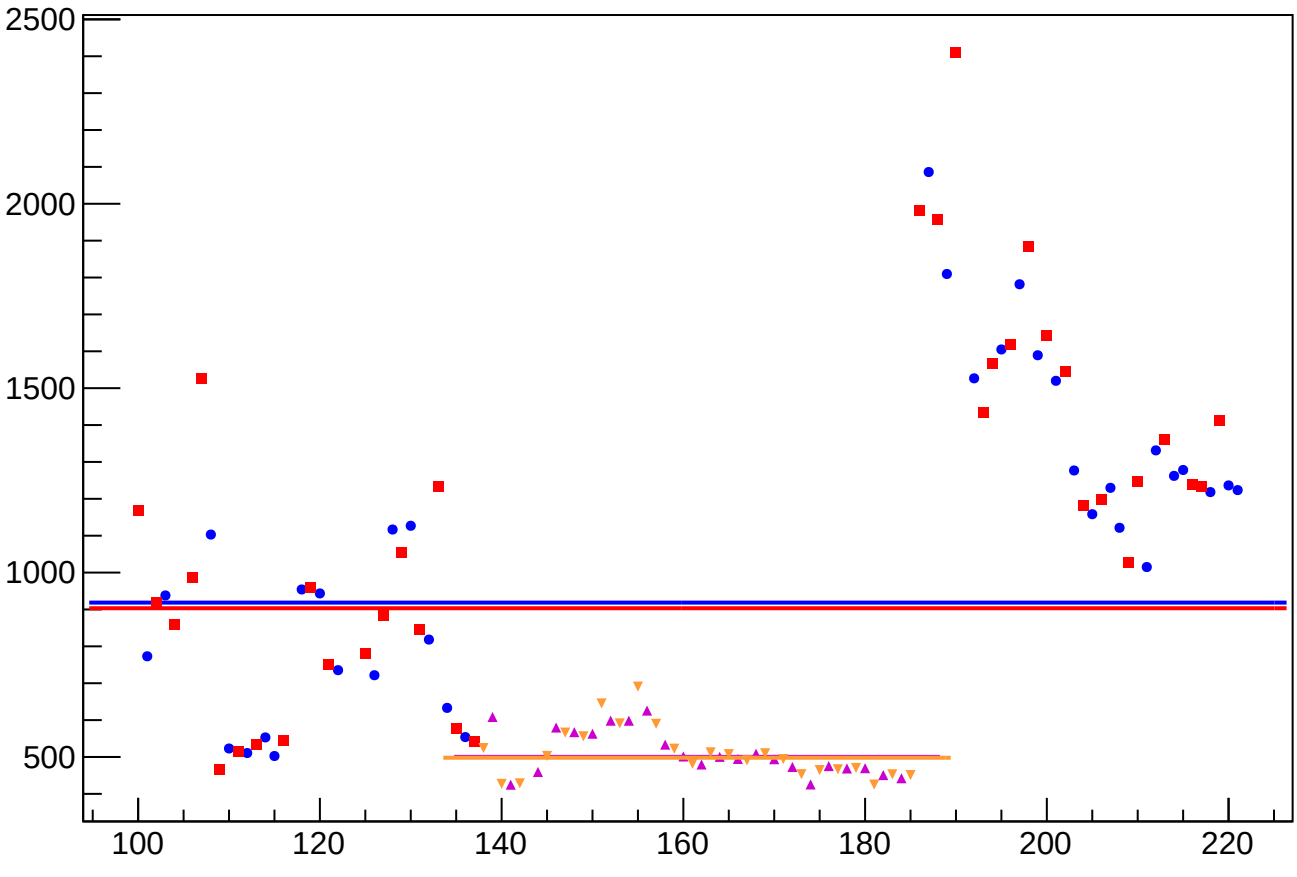
Right: 769.737+/-0.083 χ^2/NDF: 45811.7/68

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

Out: 773.486+/-0.087 χ^2/NDF:29419.4/58

All: 772.361+/-0.061 χ^2/NDF: 52960.5/115


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -901.856+/-210.197 χ²/NDF: 56.4/33
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 893.869+/-215.676 χ²/NDF: 37.4/34
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: -27.092+/-150.532 χ²/NDF: 129.4/68
In: -152.297+/-102.768 χ²/NDF:101.2/56
Out: -158.868+/-102.647 χ²/NDF:132.6/58
All: -155.586+/-72.625 χ²/NDF: 233.9/115



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: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

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

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

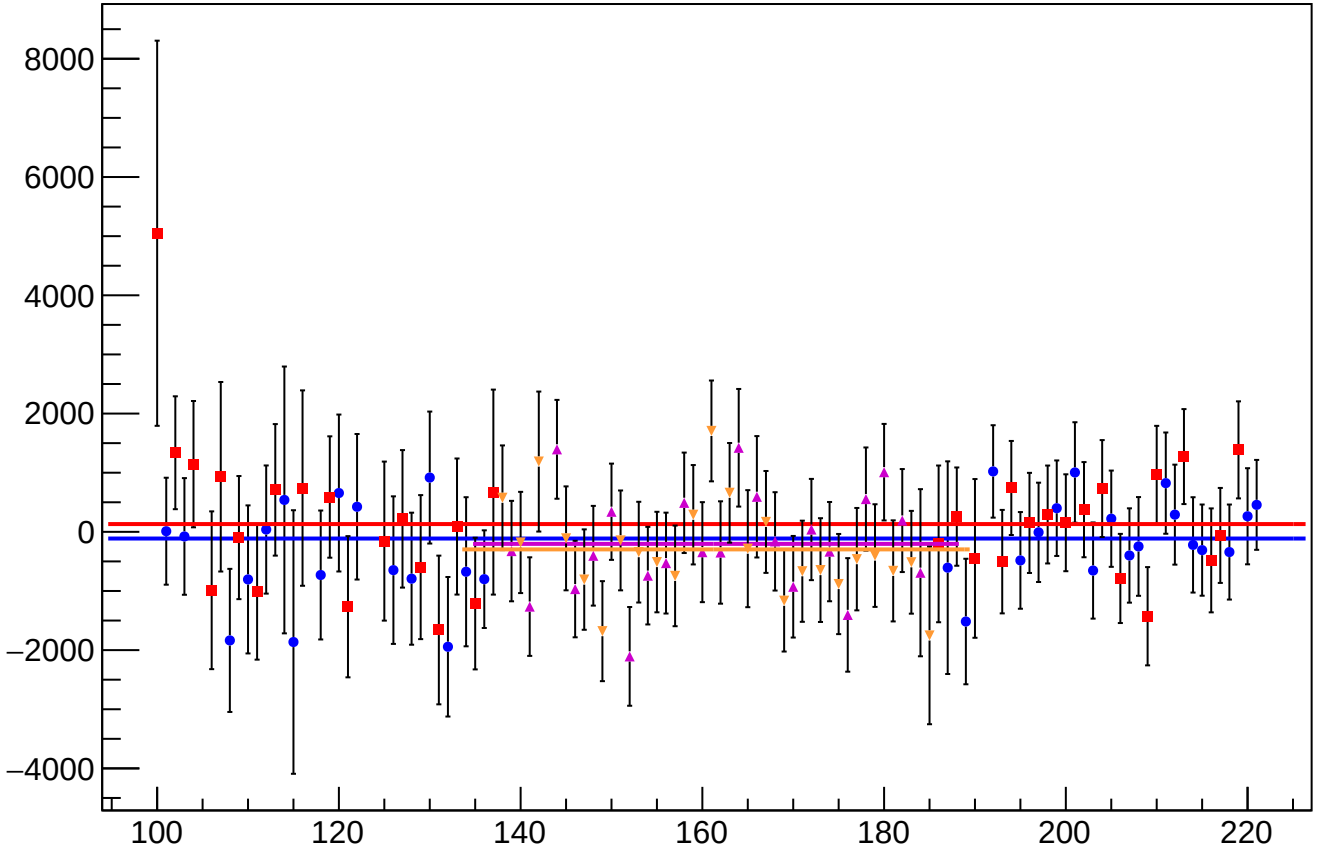
Right: 911.169+/-0.106 χ^2/NDF: 12548824.1/68

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

Out: 589.785+/-0.073 χ^2/NDF:12866448.5/58

All: 595.034+/-0.051 χ^2/NDF: 25050750.0/11

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: 131.539+/-168.070 χ^2/NDF: 25.7/34

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

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

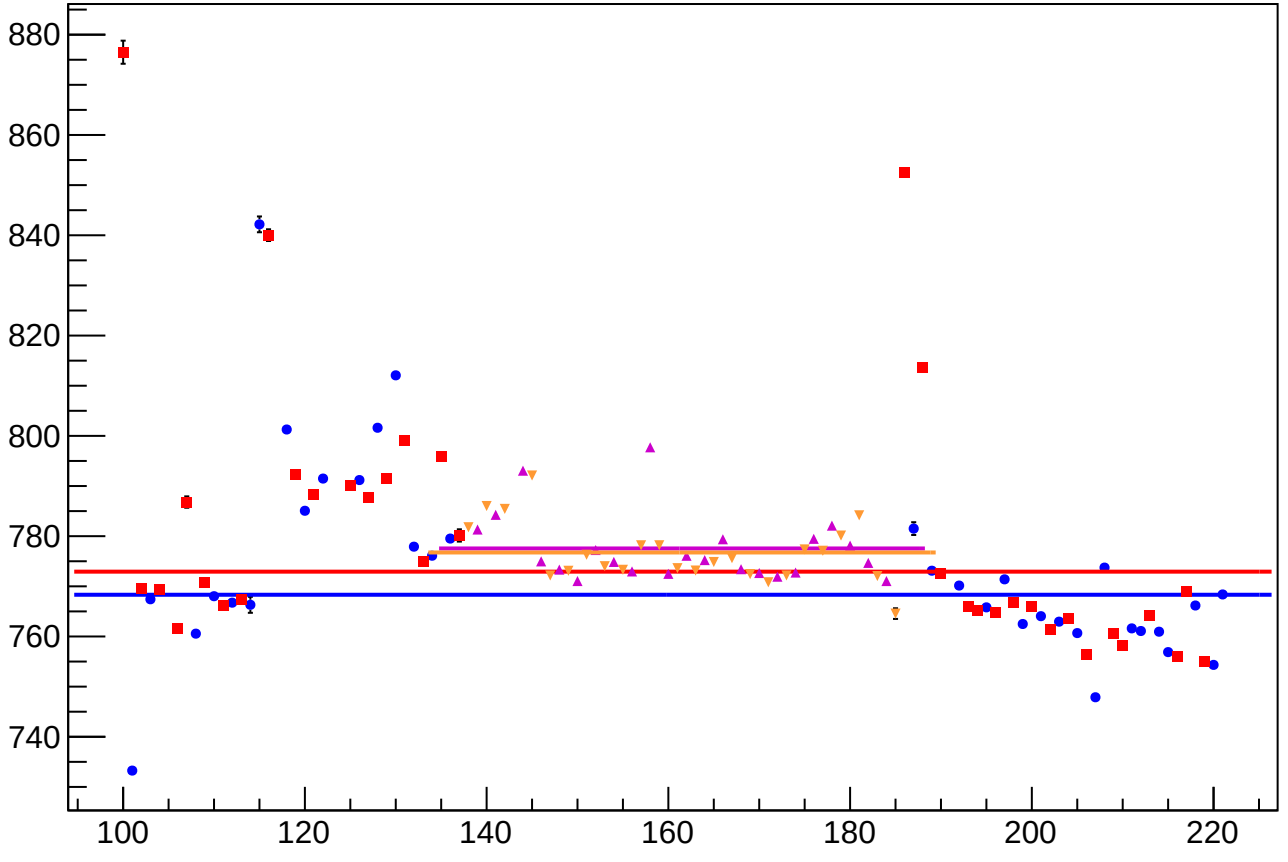
Right: 5.798+/-117.176 χ^2/NDF: 44.8/68

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

Out: -67.622+/-122.934 χ^2/NDF:45.4/58

All: -111.081+/-86.406 χ^2/NDF: 86.0/115

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: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

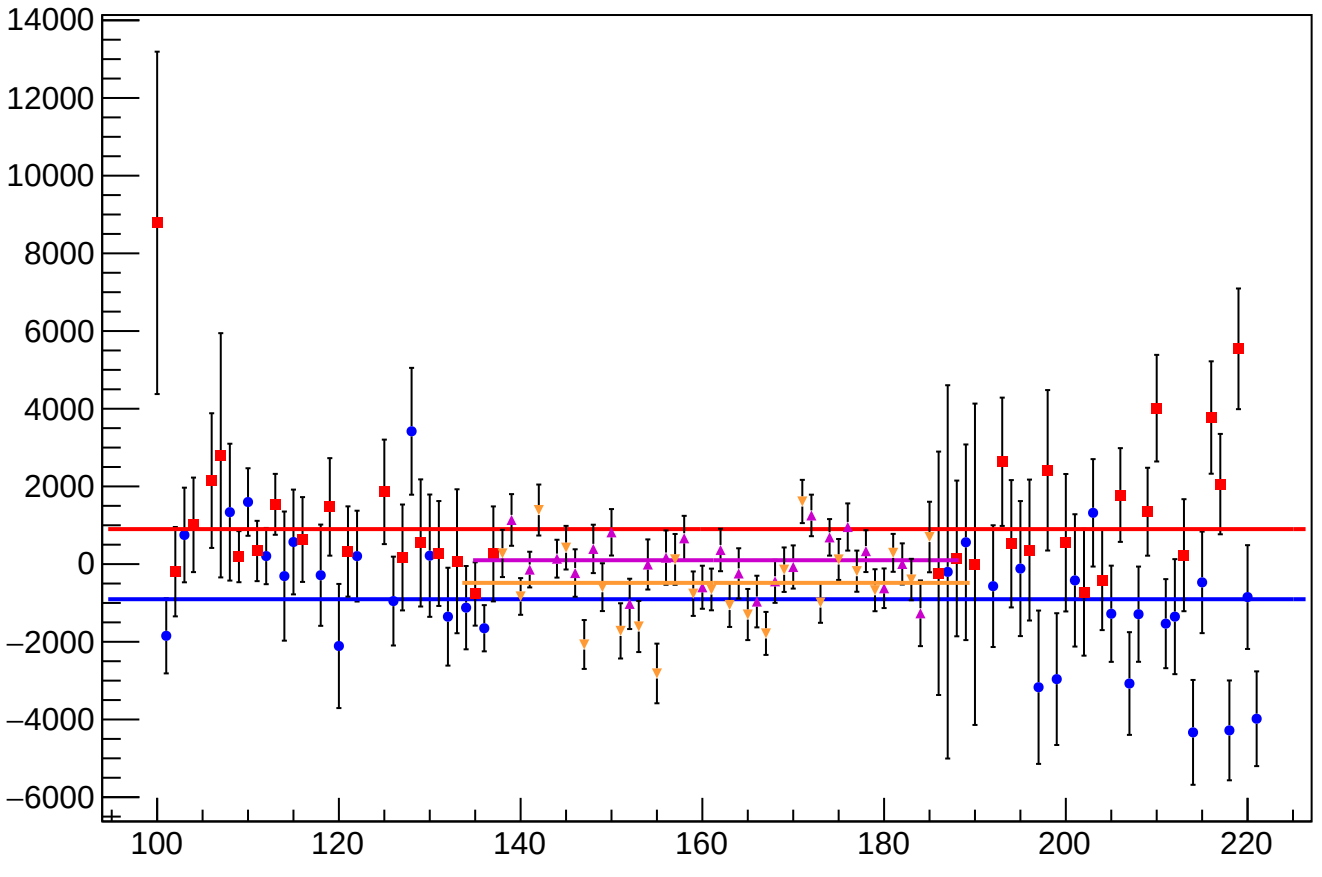
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.559+/-0.083 χ^2/NDF: 45694.7/68

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

Out: 774.705+/-0.087 χ^2/NDF:29475.7/58

All: 773.565+/-0.061 χ^2/NDF: 53176.1/115



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: 901.061+/-217.370 χ^2/NDF: 37.5/34

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

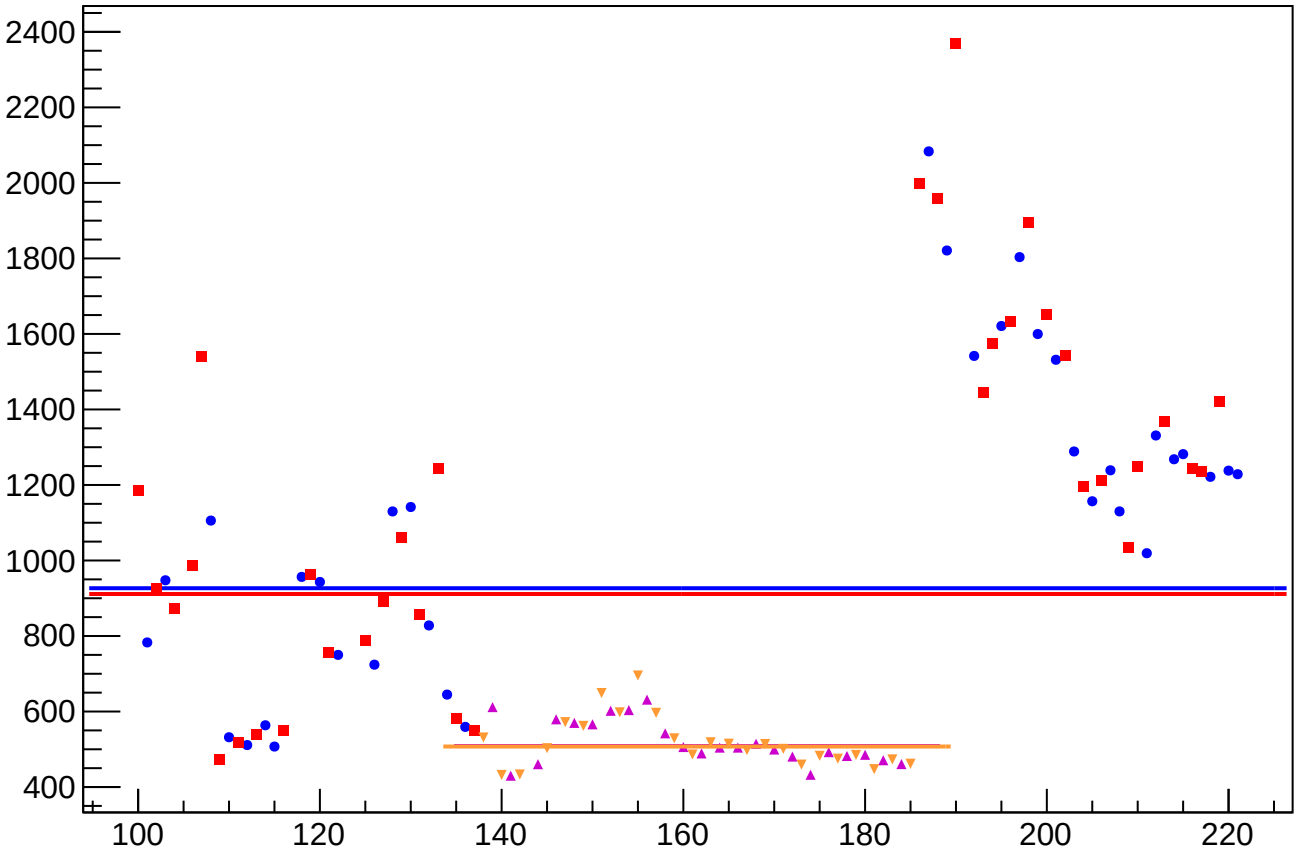
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: -24.483+/-151.722 χ^2/NDF: 129.3/68

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

Out: -164.557+/-104.250 χ^2/NDF:133.8/58

All: -153.681+/-73.699 χ^2/NDF: 234.8/115



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: 911.226+/-0.154 χ^2/NDF: 6816699.3/34

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

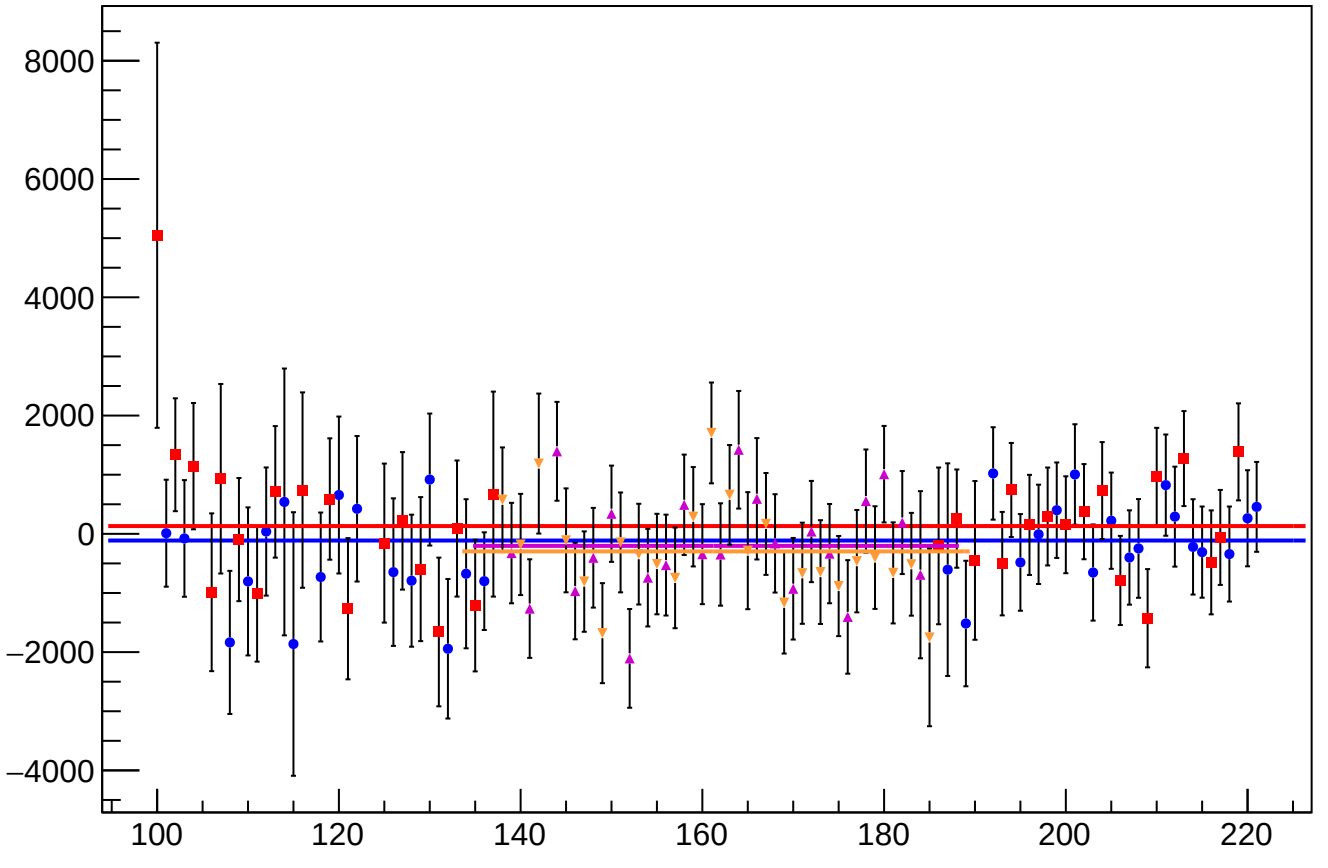
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 919.091+/-0.107 χ^2/NDF: 12441936.4/68

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

Out: 600.224+/-0.074 χ^2/NDF:12607816.5/58

All: 604.979+/-0.052 χ^2/NDF: 24568288.9/11



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: 131.535+/-168.070 χ^2/NDF: 25.7/34

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

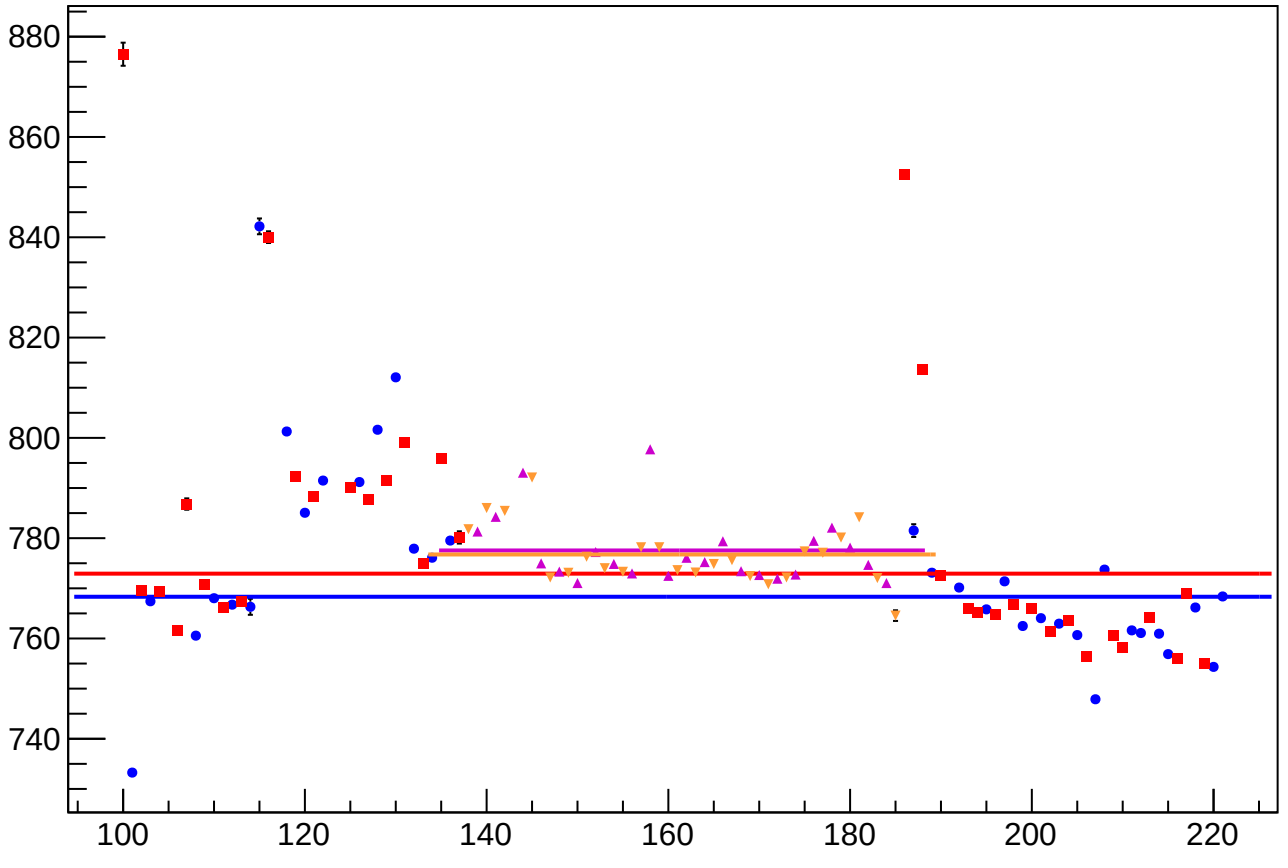
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: 5.797+/-117.176 χ^2/NDF: 44.8/68

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

Out: -67.624+/-122.934 χ^2/NDF:45.4/58

All: -111.081+/-86.406 χ^2/NDF: 86.0/115



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: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

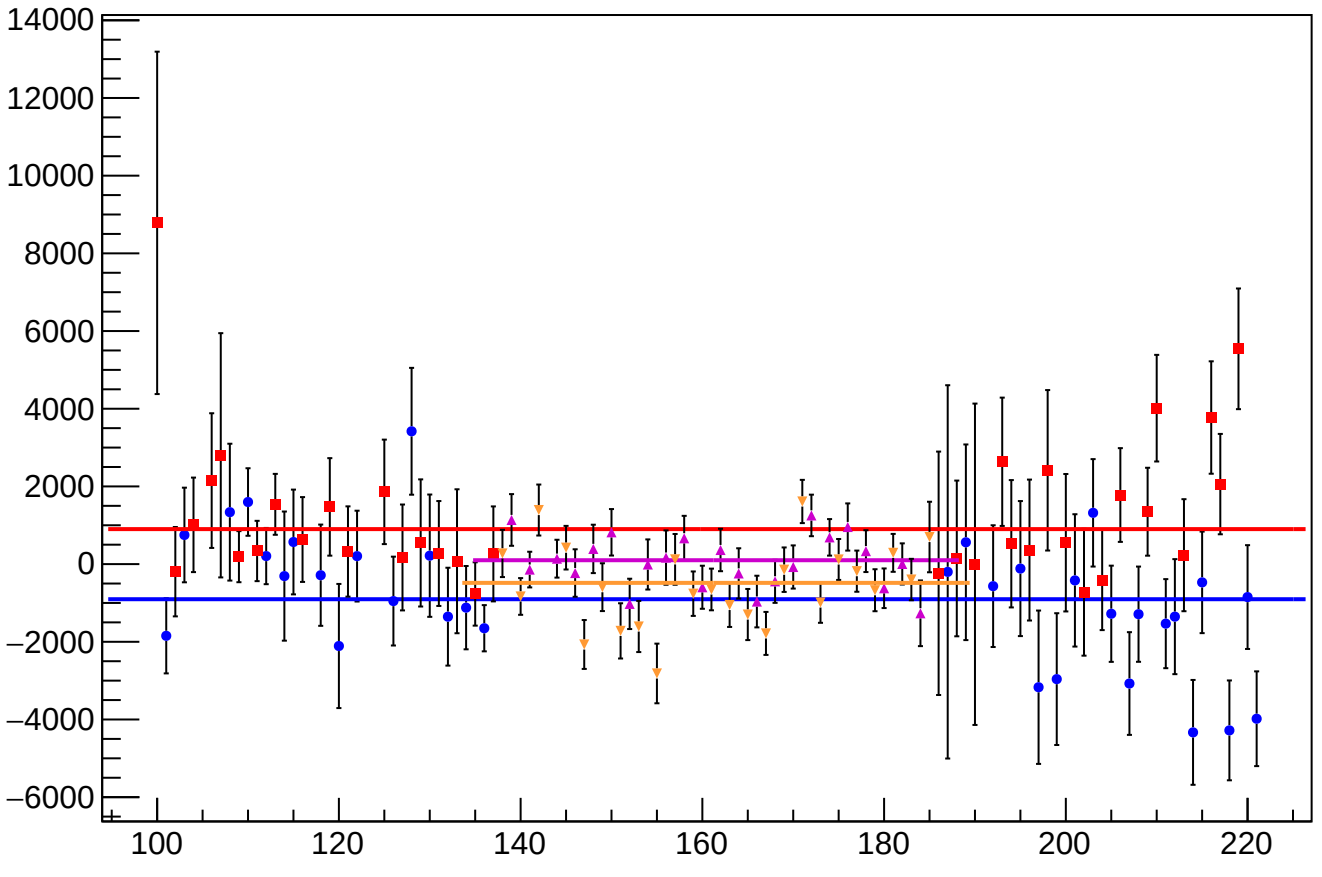
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.559+/-0.083 χ^2/NDF: 45694.6/68

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

Out: 774.705+/-0.087 χ^2/NDF:29475.7/58

All: 773.565+/-0.061 χ^2/NDF: 53176.0/115



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: 901.057+/-217.369 χ^2/NDF: 37.5/34

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

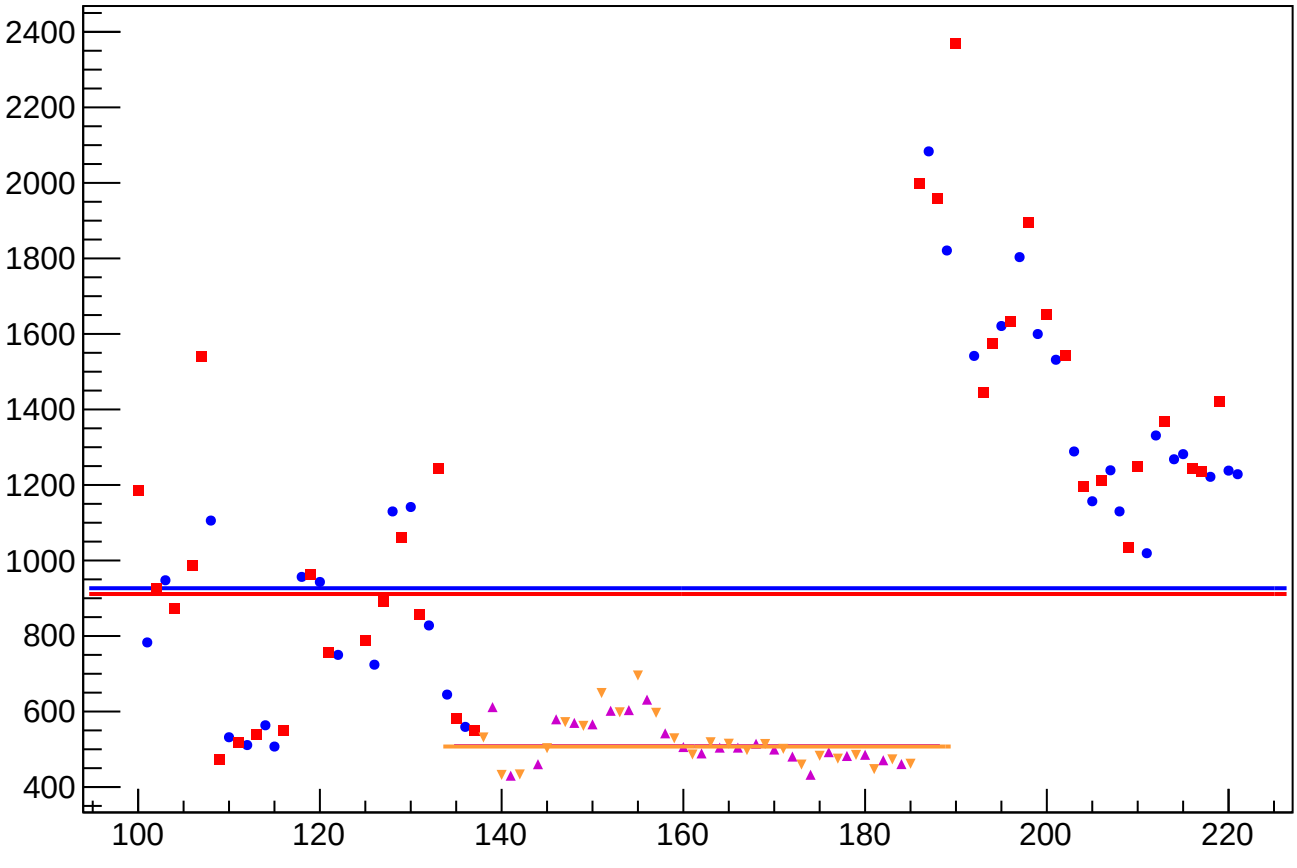
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: -24.481+/-151.721 χ^2/NDF: 129.3/68

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

Out: -164.556+/-104.250 χ^2/NDF:133.8/58

All: -153.680+/-73.699 χ^2/NDF: 234.8/115



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: 911.223+/-0.154 χ^2/NDF: 6816775.1/34

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

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

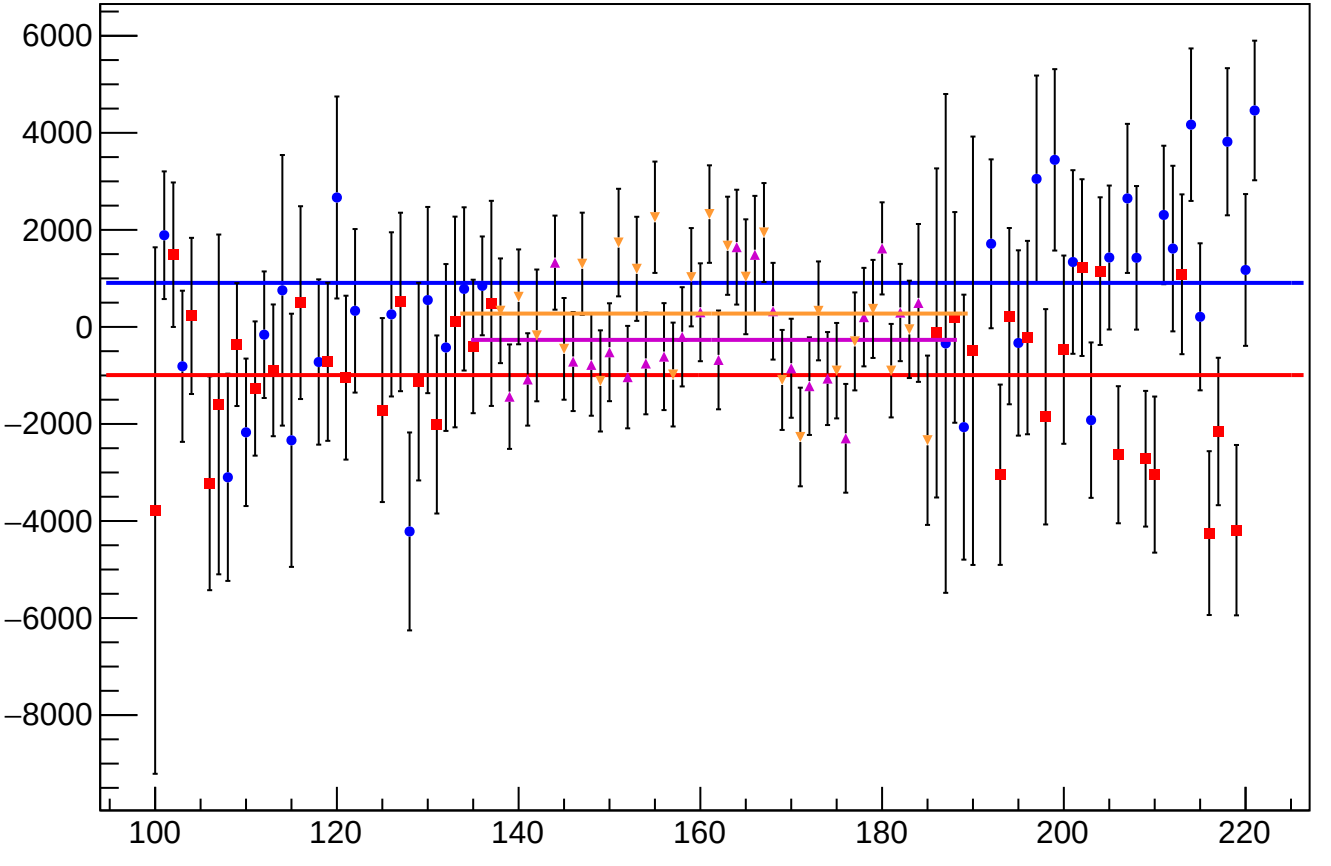
Right: 919.088+/-0.107 χ^2/NDF: 12442093.5/68

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

Out: 600.224+/-0.074 χ^2/NDF:12607828.6/58

All: 604.978+/-0.052 χ^2/NDF: 24568328.9/11

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: -992.627+/-299.120 χ^2/NDF: 27.2/34

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

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

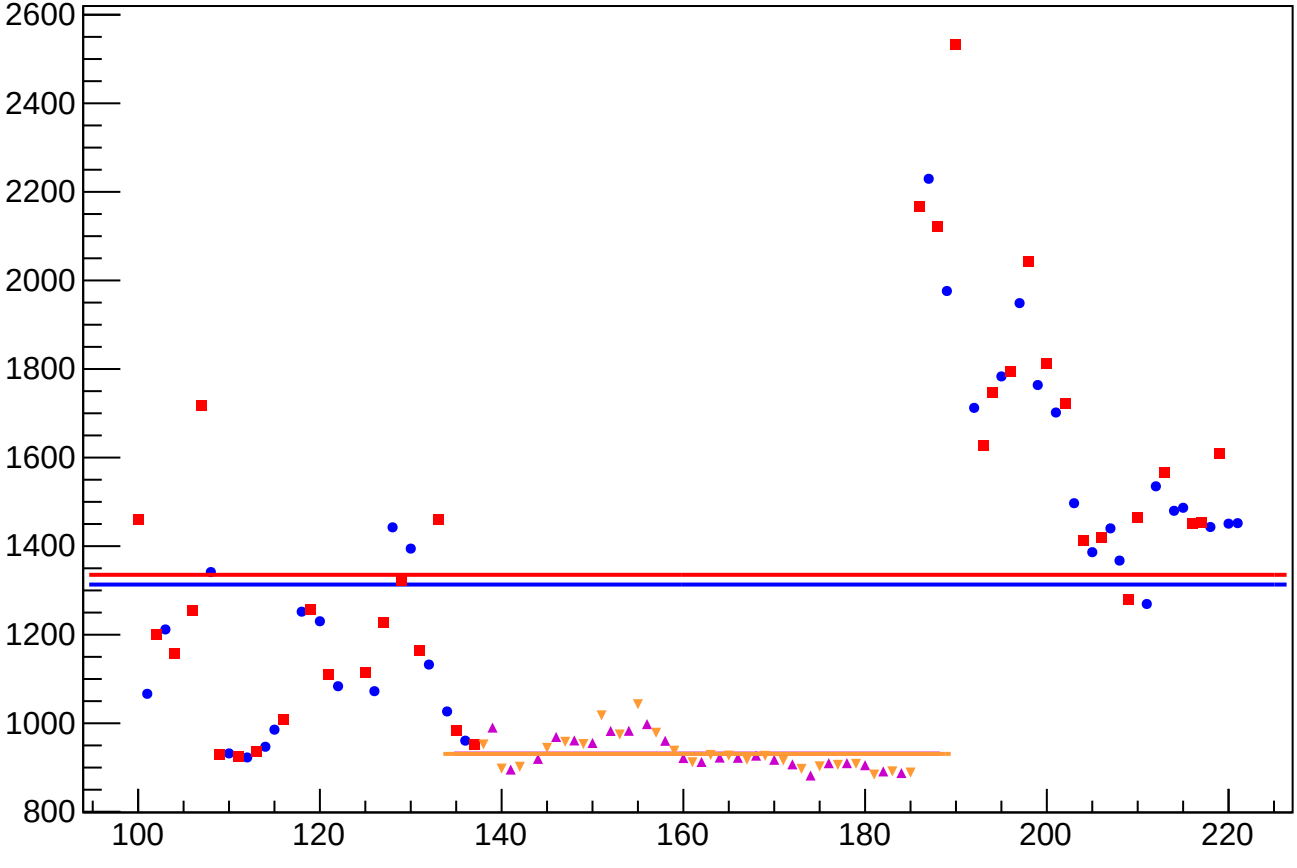
Right: 0.570+/-206.658 χ^2/NDF: 93.7/68

In: 164.114+/-173.184 χ^2/NDF:77.4/56

Out: -160.105+/-175.270 χ^2/NDF:72.6/58

All: 3.945+/-123.190 χ^2/NDF: 151.8/115

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: 1335.270+/-0.212 χ^2/NDF: 2312995.8/34

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

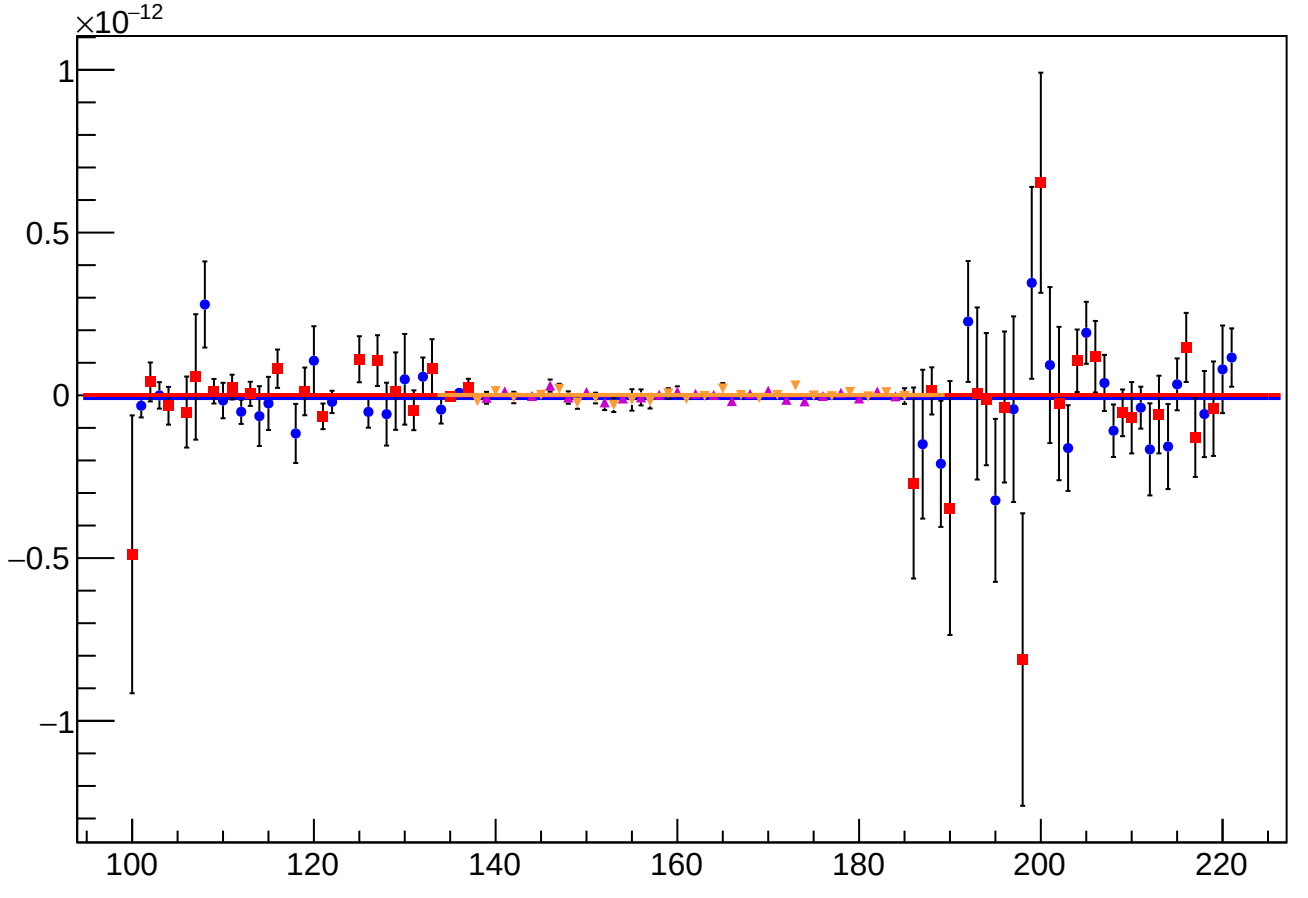
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1323.775+/-0.146 χ^2/NDF: 4150509.5/68

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

Out: 1069.750+/-0.124 χ^2/NDF:4774839.9/58

All: 1070.725+/-0.087 χ^2/NDF: 8913074.8/11



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: 29.7/34

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

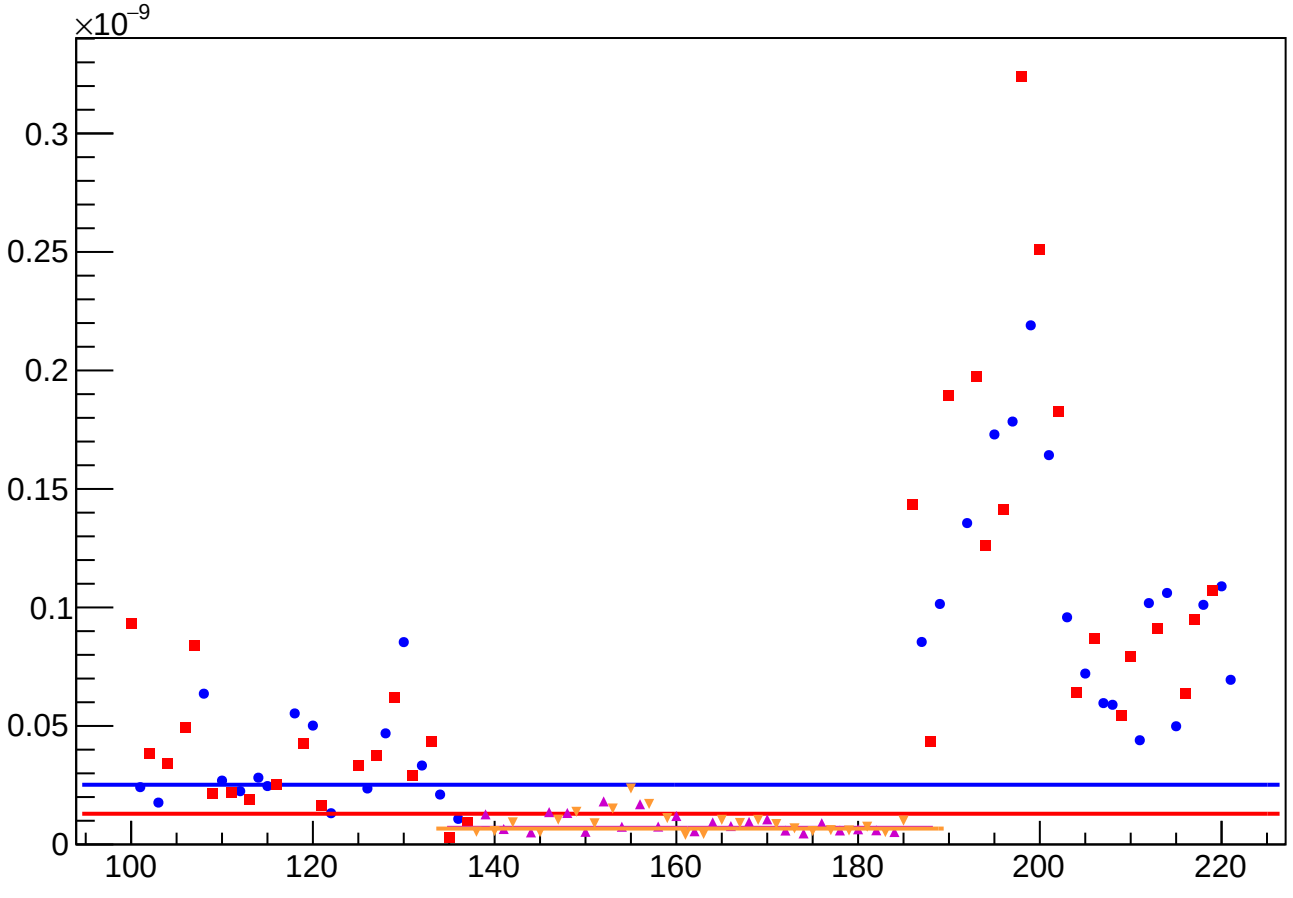
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 63.6/68

In: -0.000+/-0.000 χ^2/NDF:56.1/56

Out: 0.000+/-0.000 χ^2/NDF:55.4/58

All: 0.000+/-0.000 χ^2/NDF: 111.8/115



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: 17922716.4/34

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

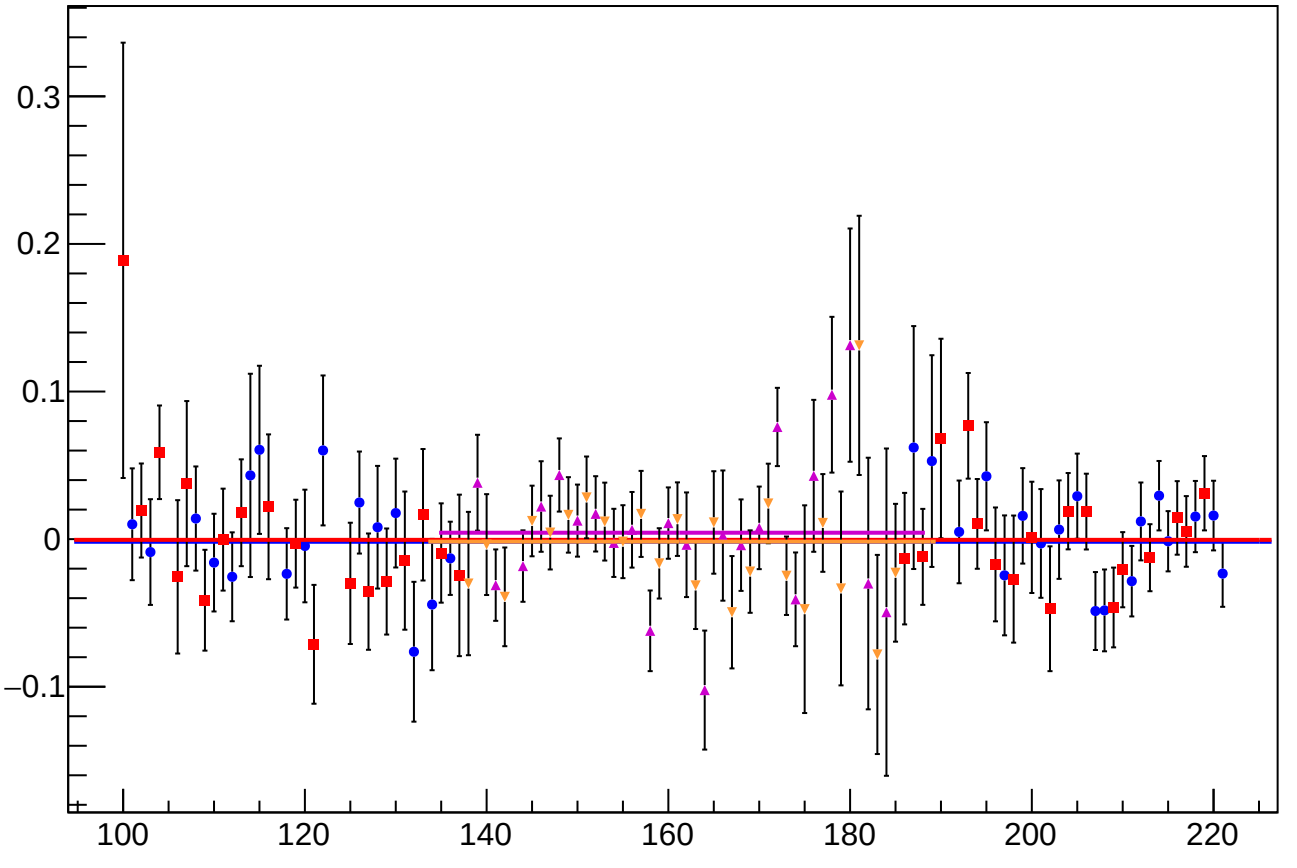
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 32513198.5/68

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

Out: 0.000+/-0.000 χ^2/NDF:22260821.6/58

All: 0.000+/-0.000 χ^2/NDF: 44081983.7/115



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+/-0.006 χ^2/NDF: 28.4/34

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

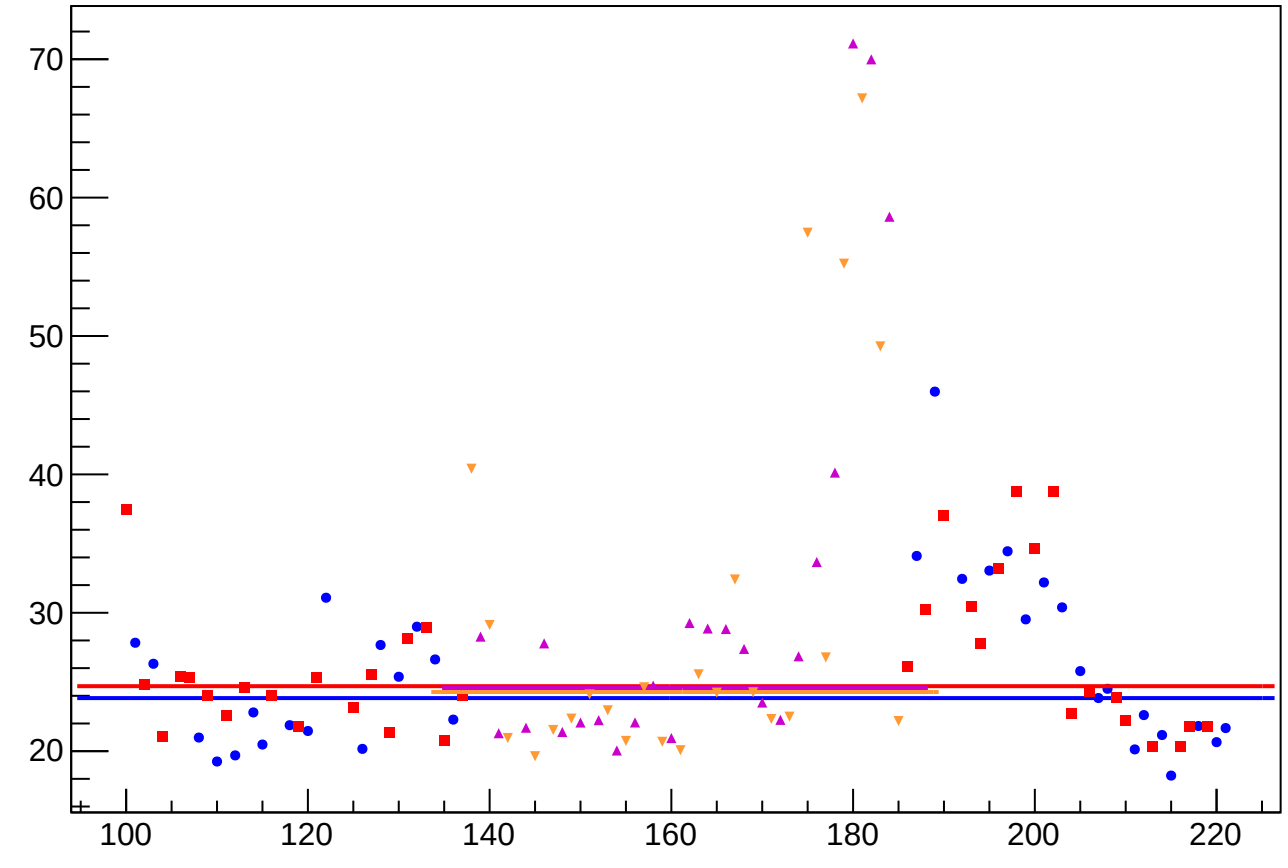
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.004 χ^2/NDF: 53.4/68

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: -0.000+/-0.003 χ^2/NDF: 105.2/115



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: 24.696+/-0.004 χ^2/NDF: 1241869.4/34

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

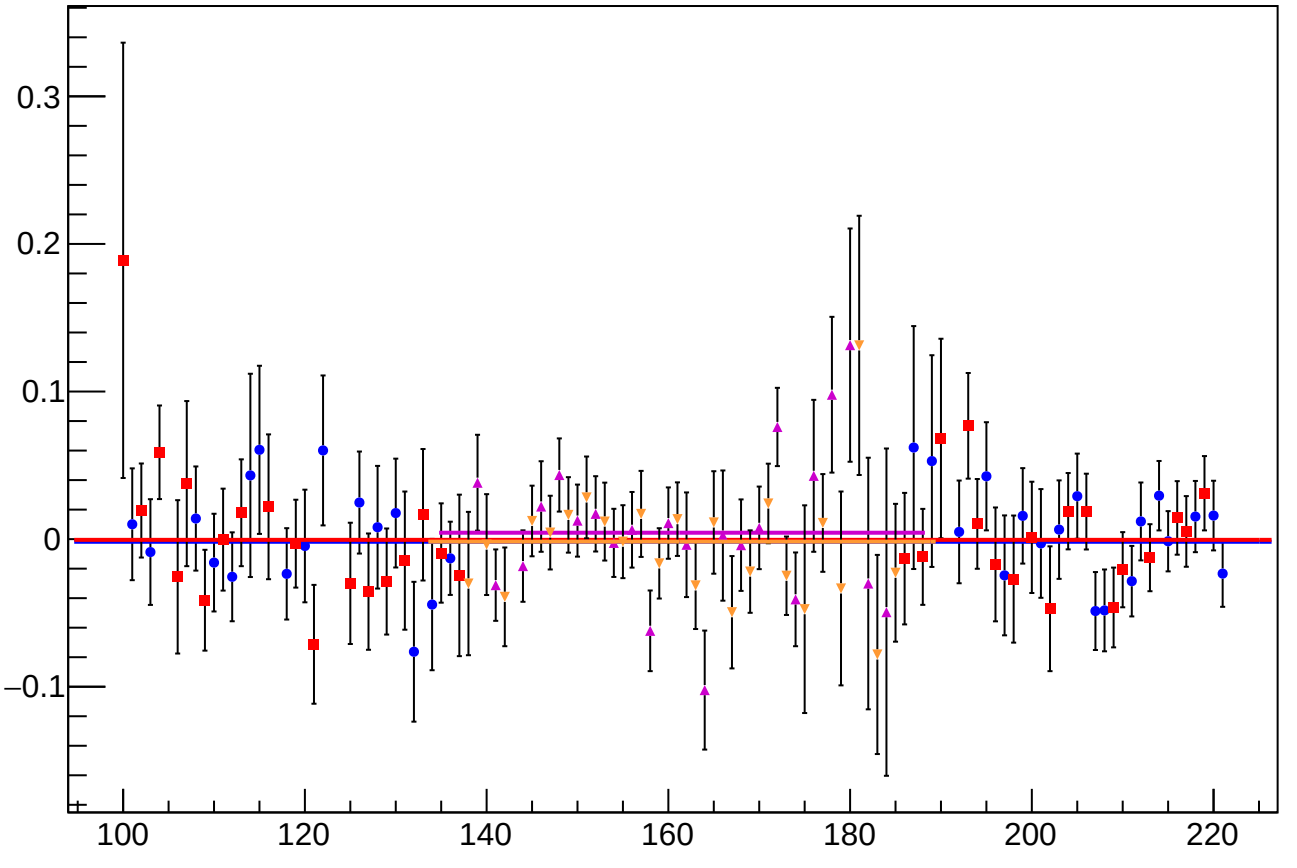
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.243+/-0.003 χ^2/NDF: 2690535.2/68

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

Out: 24.506+/-0.003 χ^2/NDF:3557399.0/58

All: 24.320+/-0.002 χ^2/NDF: 7137911.8/115



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+/-0.006 χ^2/NDF: 28.4/34

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

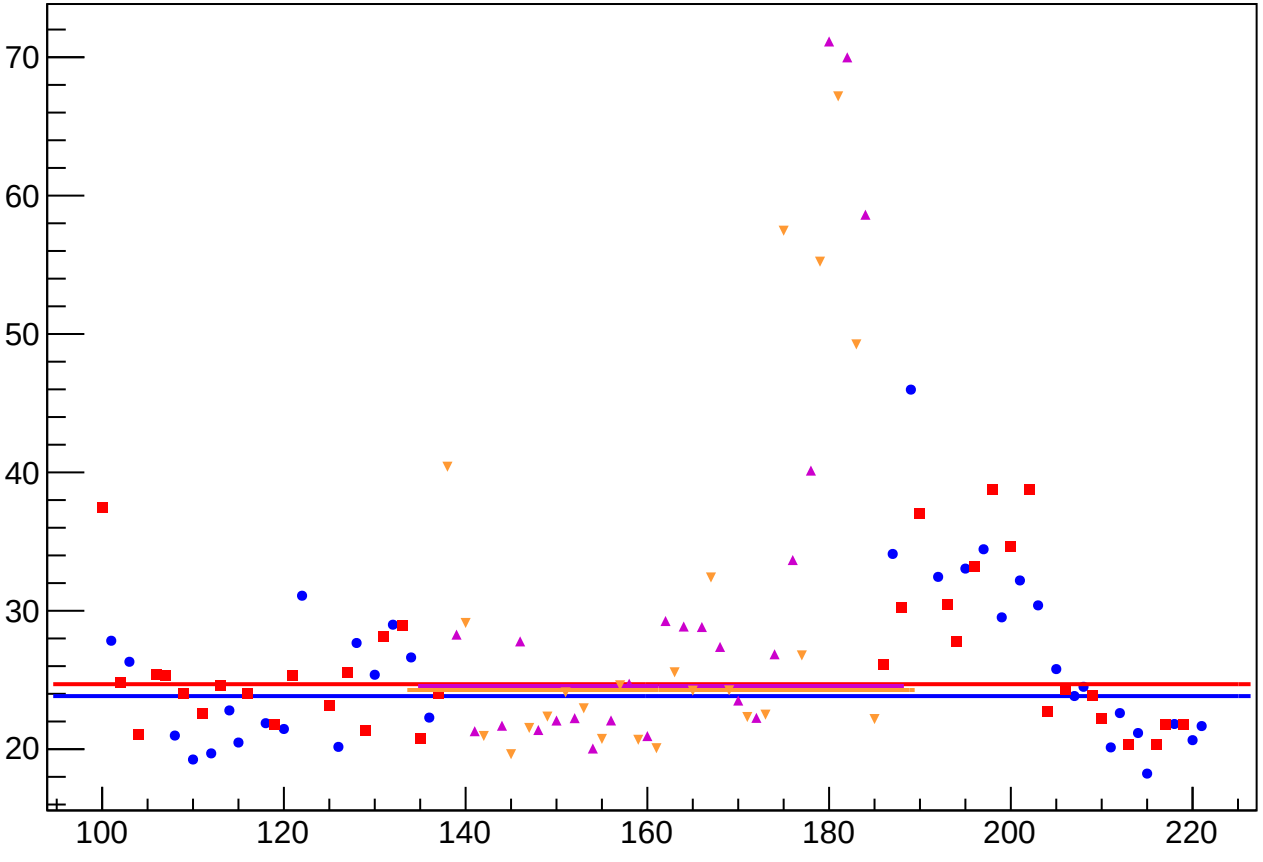
Right: -0.001+/-0.004 χ^2/NDF: 53.4/68

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: -0.000+/-0.003 χ^2/NDF: 105.2/115

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: 24.696+/-0.004 χ^2/NDF: 1241869.4/34

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

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

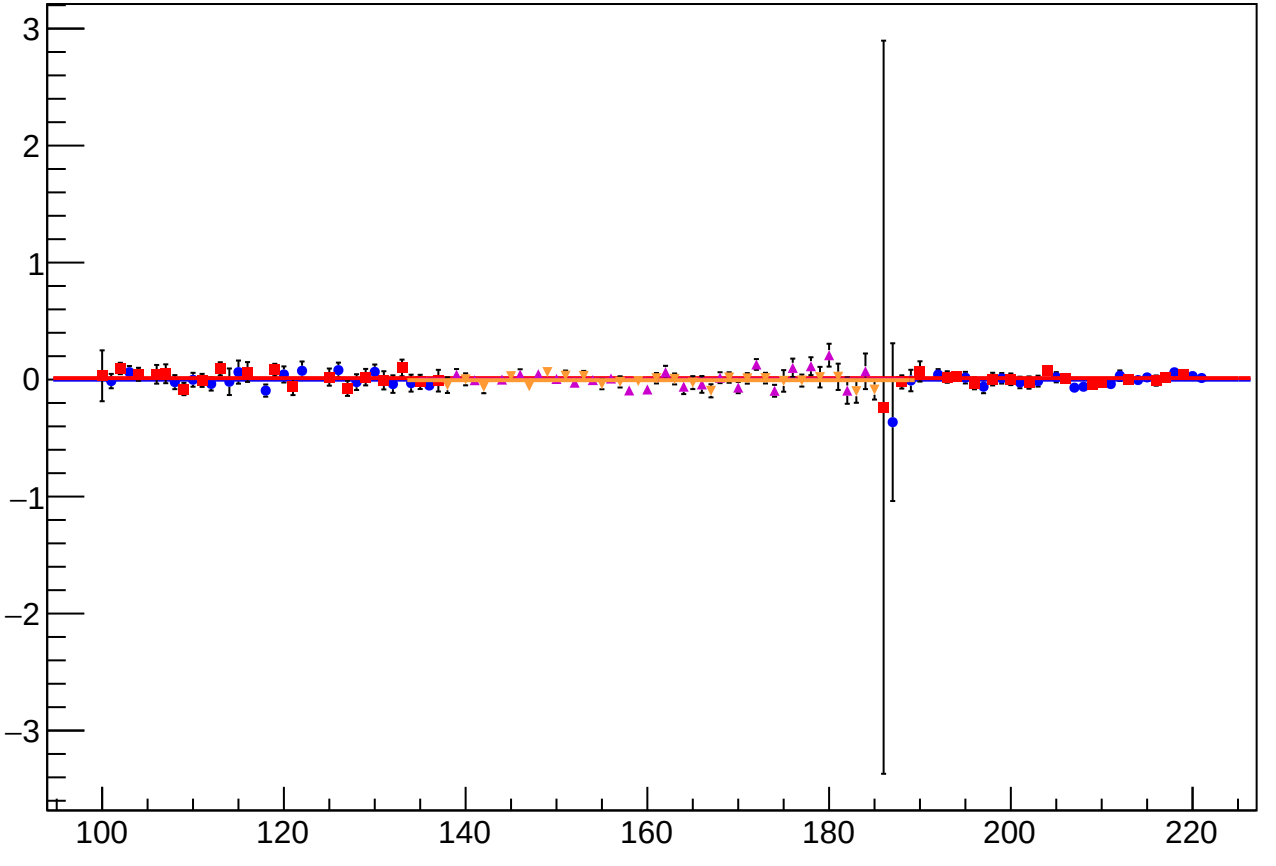
Right: 24.243+/-0.003 χ^2/NDF: 2690535.2/68

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

Out: 24.506+/-0.003 χ^2/NDF:3557399.0/58

All: 24.320+/-0.002 χ^2/NDF: 7137911.8/115

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: 0.012+/-0.009 χ^2/NDF: 24.1/34

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

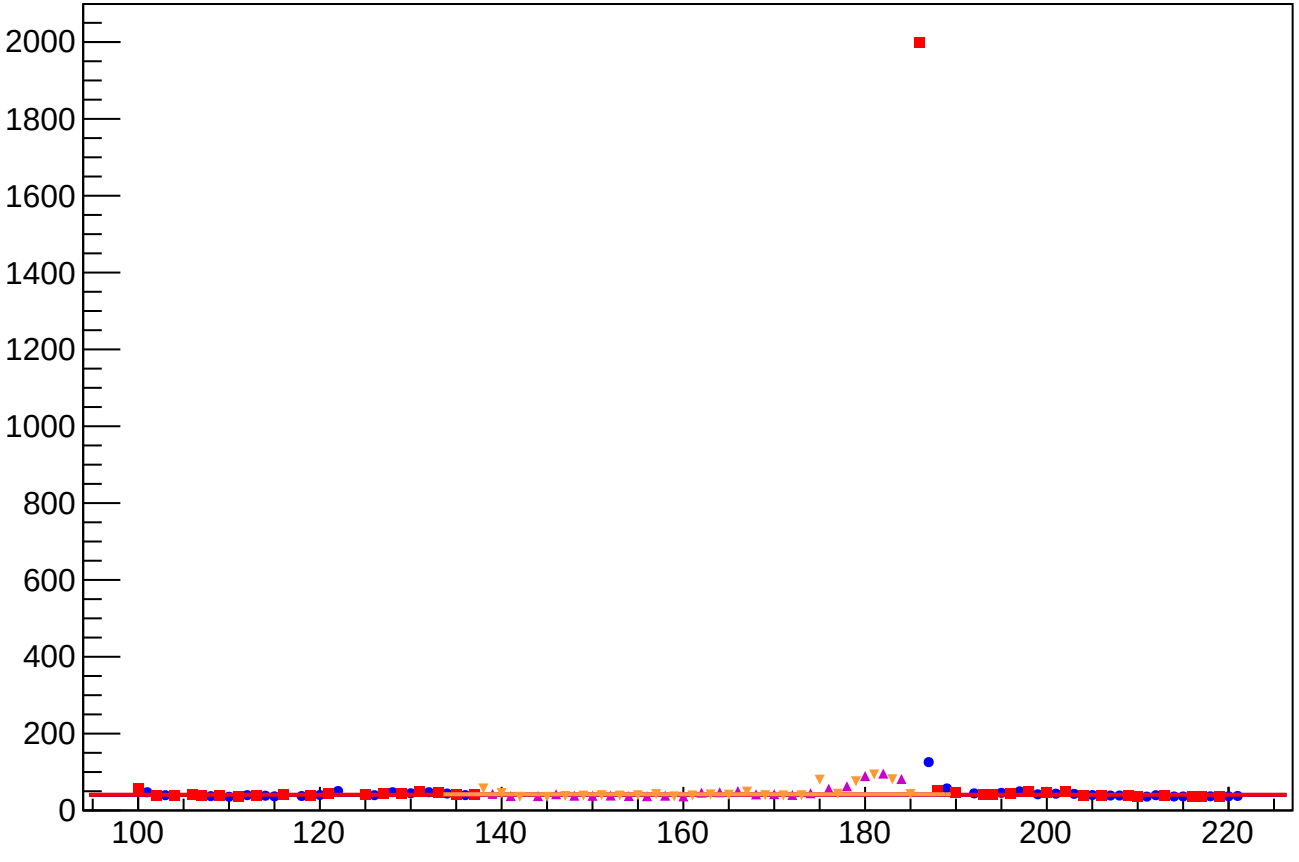
Right: 0.006+/-0.006 χ^2/NDF: 49.5/68

In: -0.000+/-0.007 χ^2/NDF:62.3/56

Out: 0.005+/-0.007 χ^2/NDF:39.5/58

All: 0.002+/-0.005 χ^2/NDF: 102.1/115

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: 40.870+/-0.007 χ^2/NDF: 1200203.4/34

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

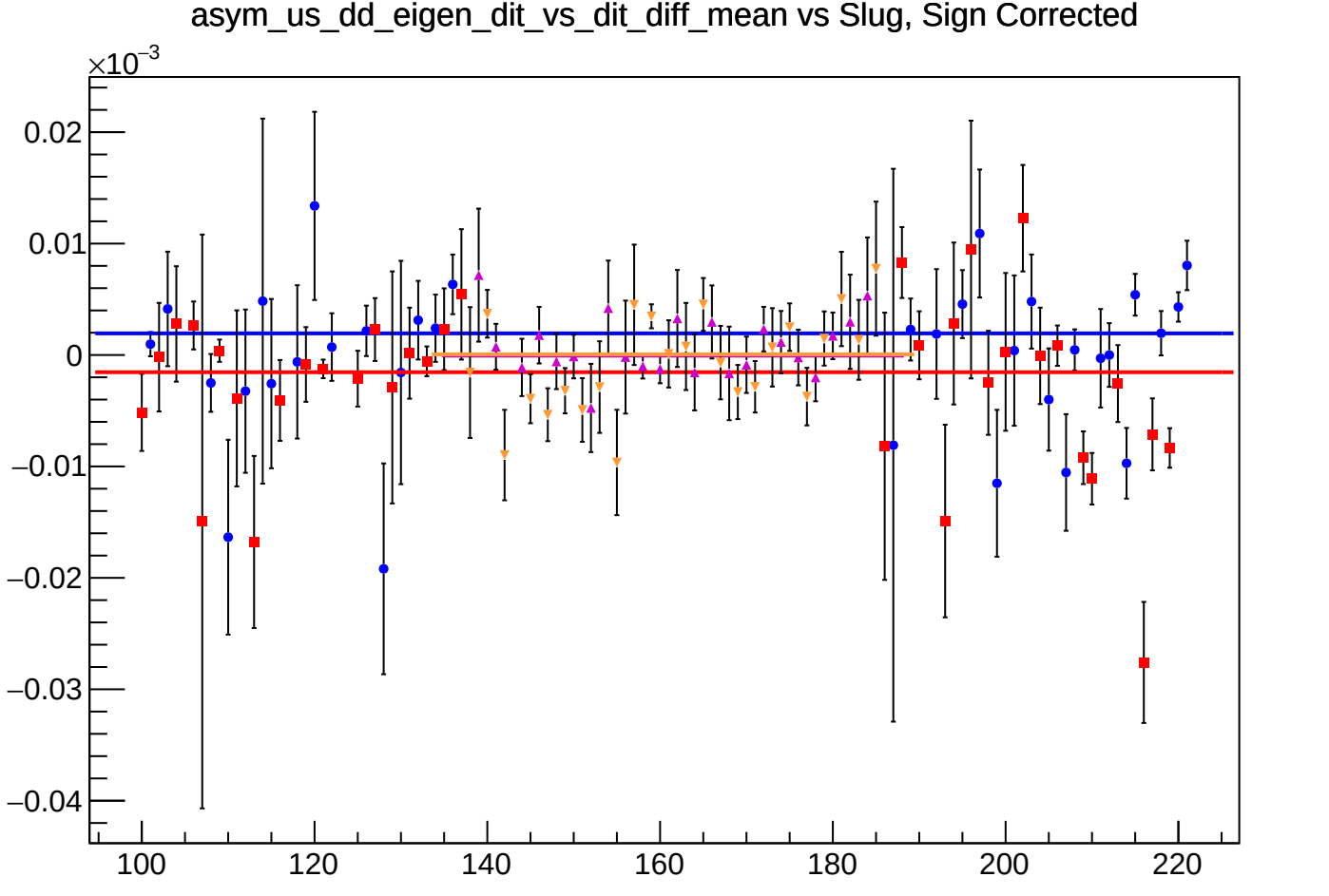
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 40.609+/-0.005 χ^2/NDF: 1671543.4/68

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

Out: 41.407+/-0.005 χ^2/NDF:2931612.4/58

All: 41.243+/-0.003 χ^2/NDF: 4976868.4/115



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: 112.4/34

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

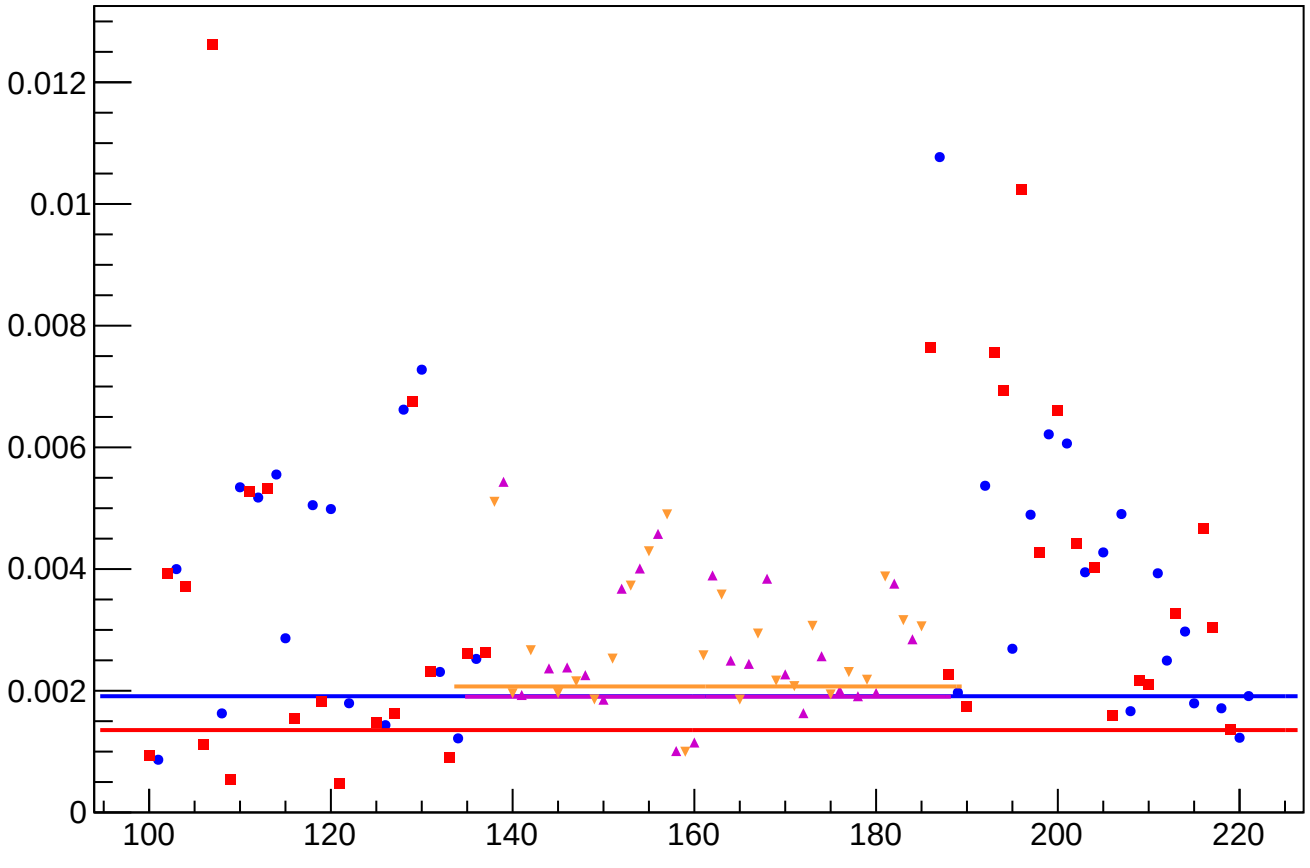
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 205.1/68

In: 0.000+/-0.000 χ^2/NDF:85.0/56

Out: -0.000+/-0.000 χ^2/NDF:169.7/58

All: -0.000+/-0.000 χ^2/NDF: 269.8/115



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: 17267919.8/34

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

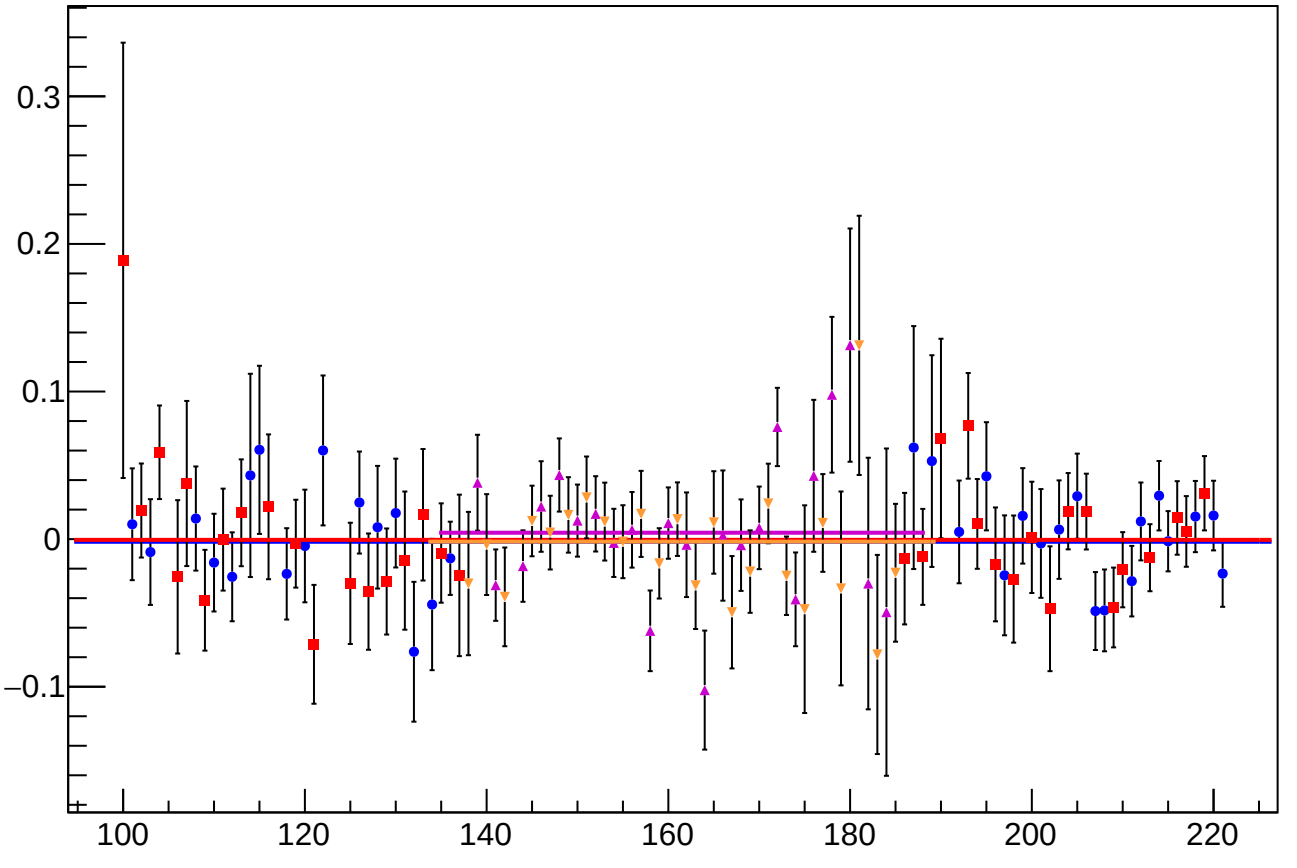
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 30080356.5/68

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

Out: 0.002+/-0.000 χ^2/NDF:24809196.4/58

All: 0.002+/-0.000 χ^2/NDF: 42723823.7/115



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+/-0.006 χ^2/NDF: 28.4/34

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

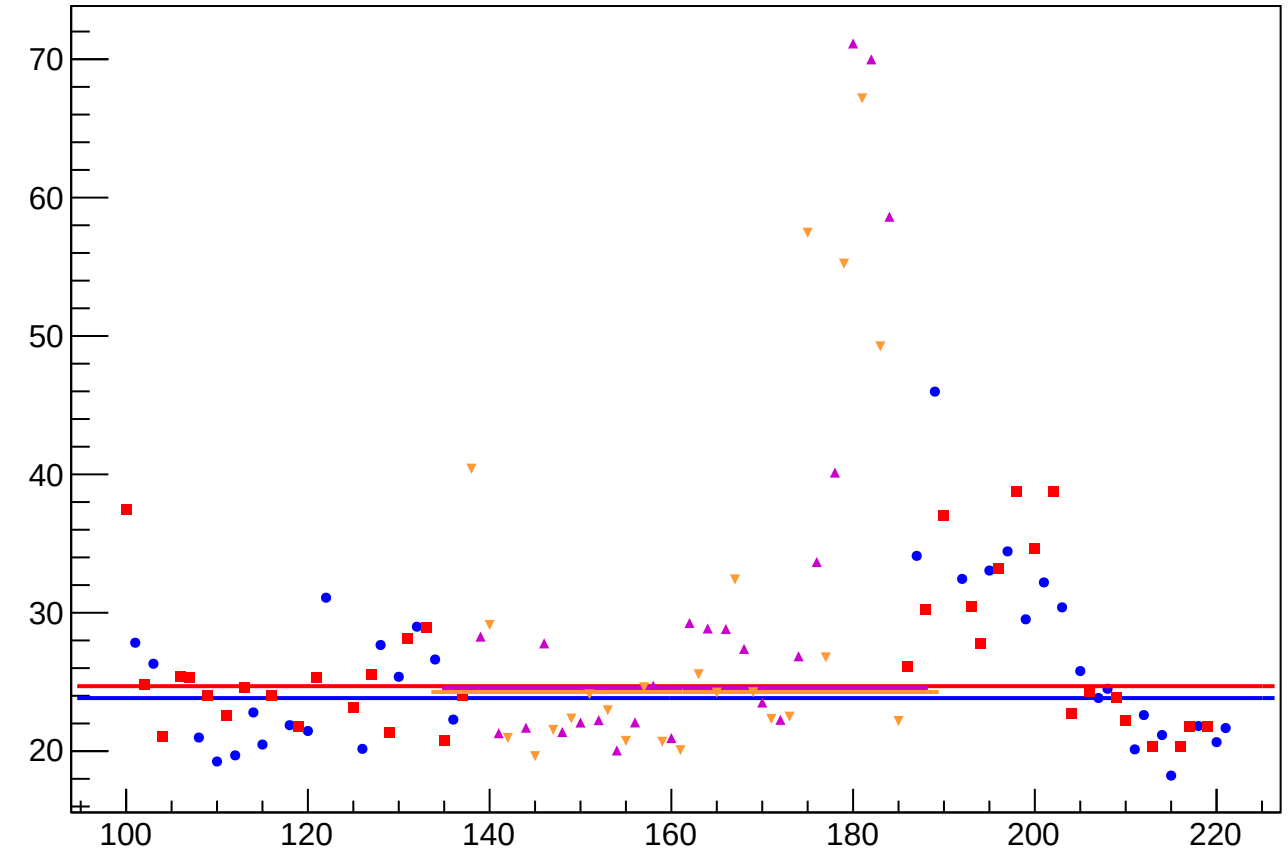
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.004 χ^2/NDF: 53.4/68

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: -0.000+/-0.003 χ^2/NDF: 105.2/115



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: 24.696+/-0.004 χ^2/NDF: 1241856.2/34

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

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

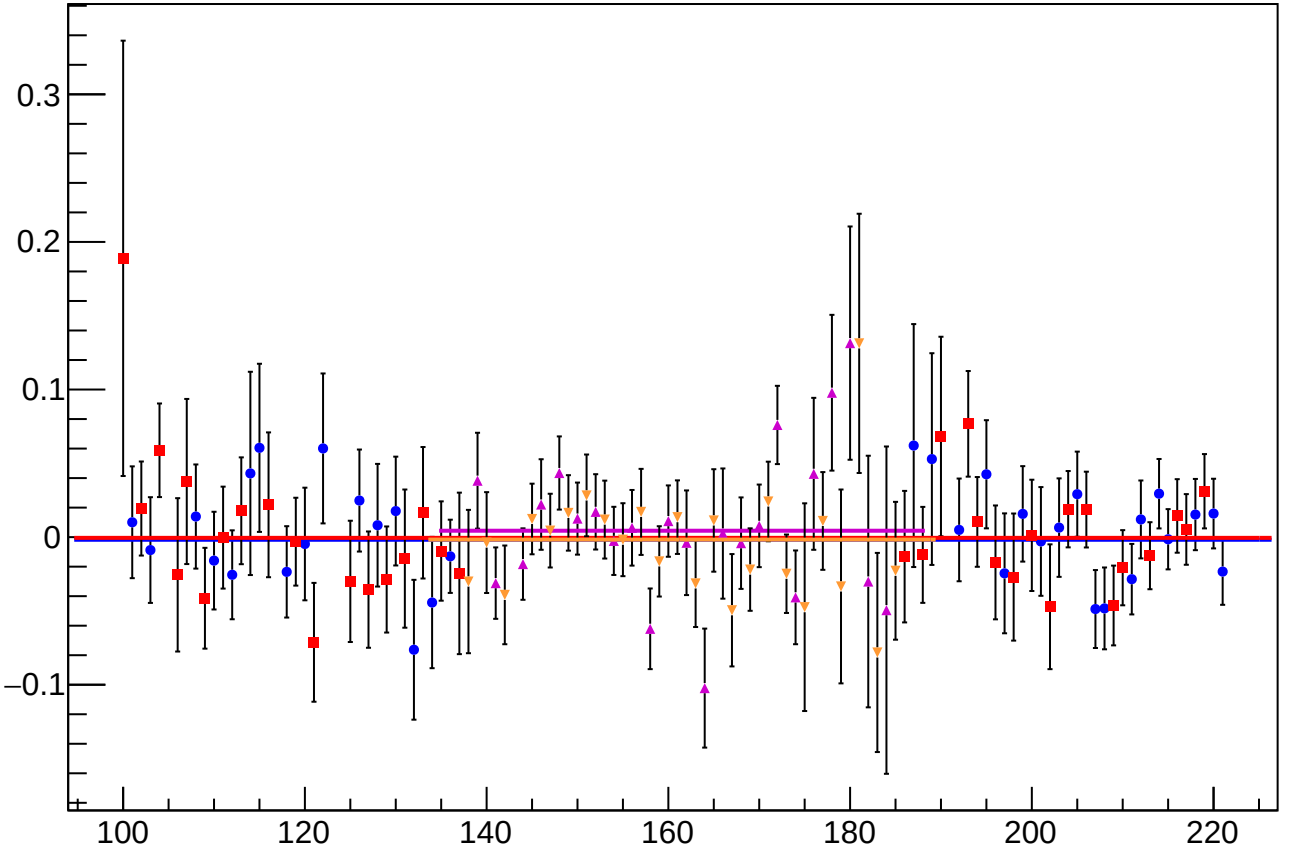
Right: 24.243+/-0.003 χ^2/NDF: 2690494.2/68

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

Out: 24.506+/-0.003 χ^2/NDF:3557391.8/58

All: 24.320+/-0.002 χ^2/NDF: 7137749.1/115

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+/-0.006 χ^2/NDF: 28.4/34

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

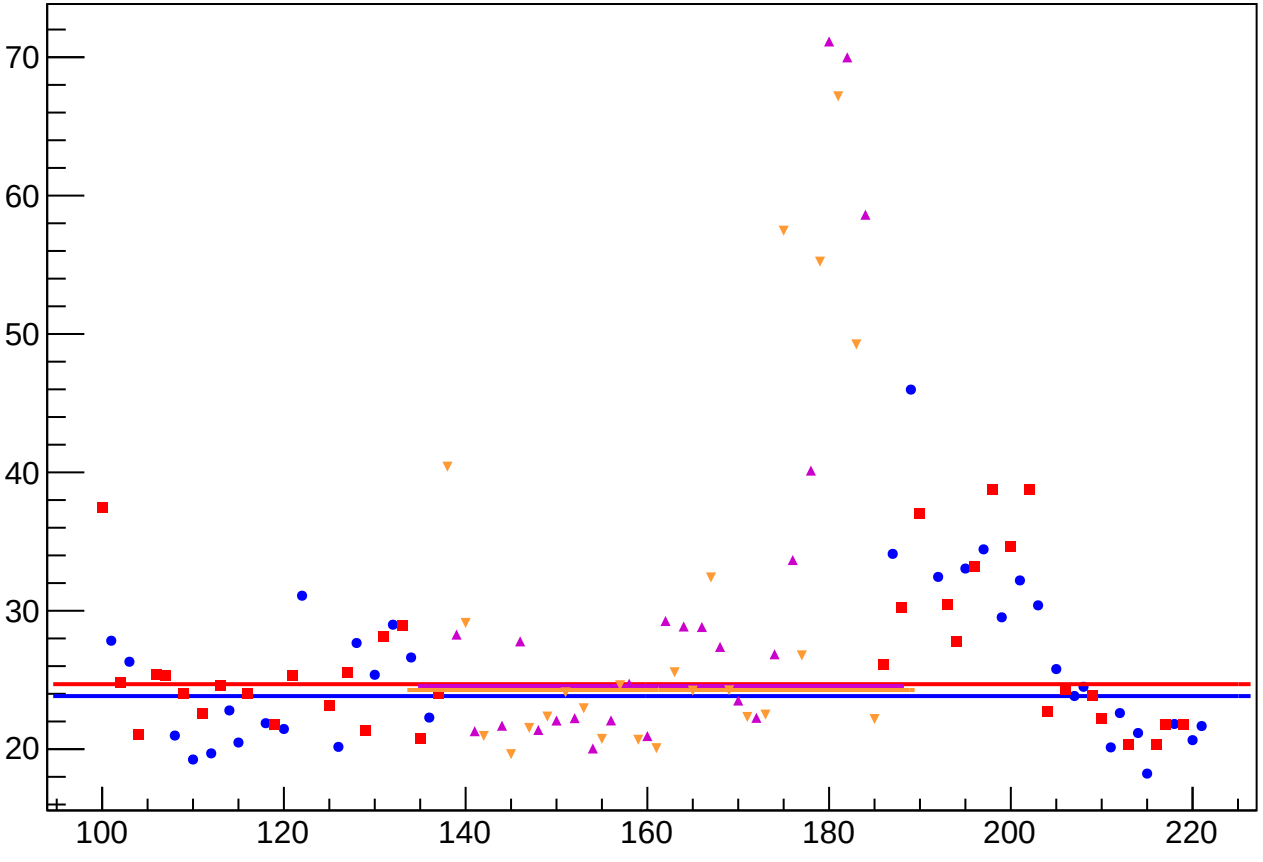
Right: -0.001+/-0.004 χ^2/NDF: 53.4/68

In: 0.001+/-0.004 χ^2/NDF:62.1/56

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: -0.000+/-0.003 χ^2/NDF: 105.2/115

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: 24.696+/-0.004 χ^2/NDF: 1241856.2/34

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

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

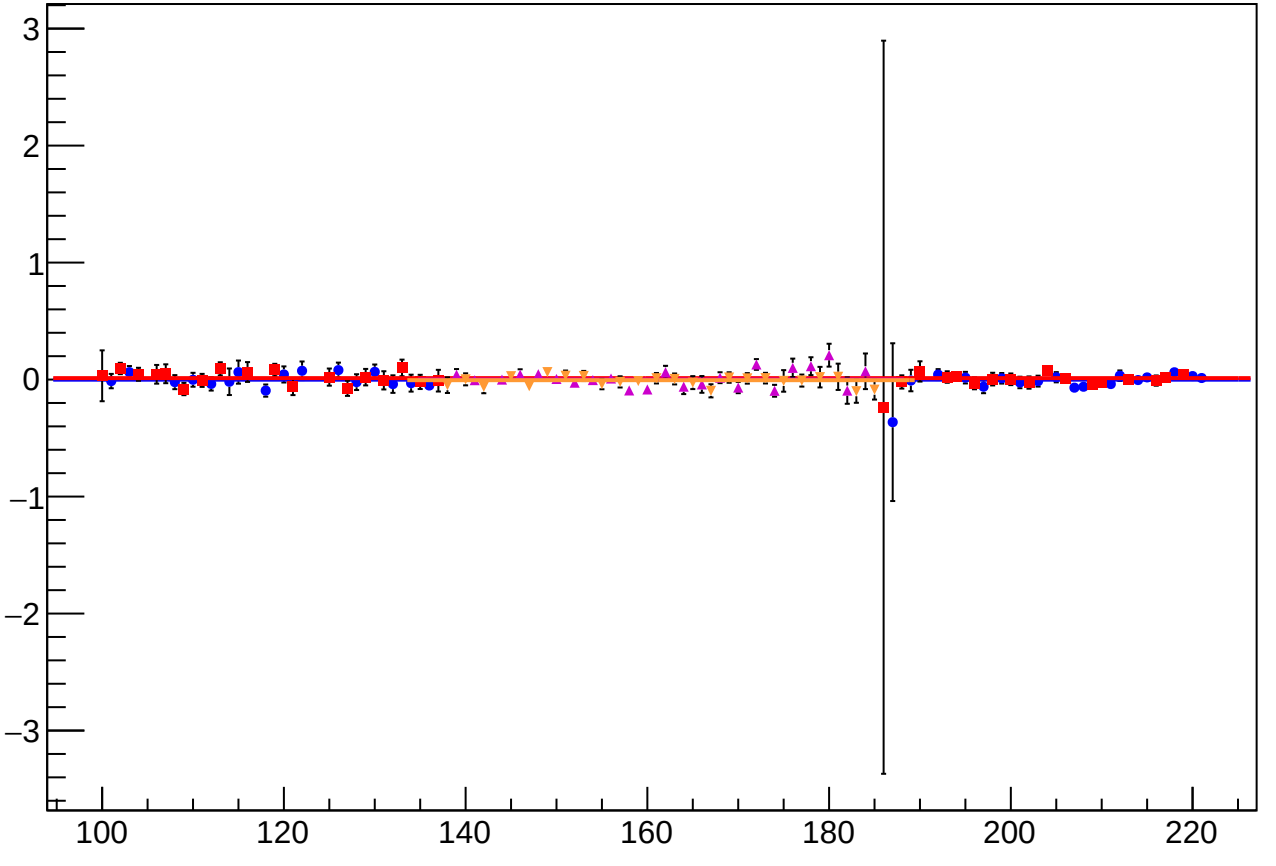
Right: 24.243+/-0.003 χ^2/NDF: 2690494.2/68

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

Out: 24.506+/-0.003 χ^2/NDF:3557391.8/58

All: 24.320+/-0.002 χ^2/NDF: 7137749.1/115

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: 0.012+/-0.009 χ^2/NDF: 24.0/34

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

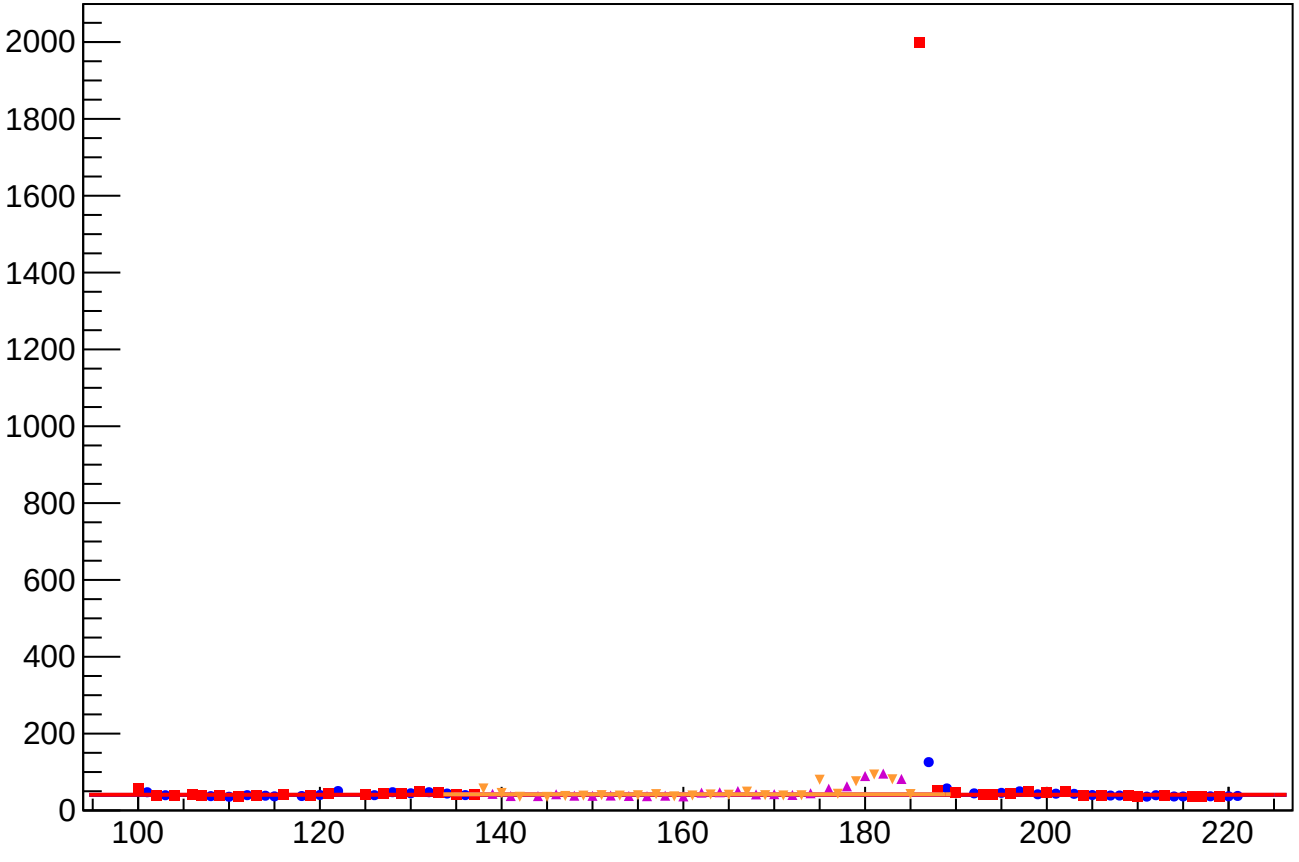
Right: 0.006+/-0.006 χ^2/NDF: 49.5/68

In: -0.000+/-0.007 χ^2/NDF:62.3/56

Out: 0.005+/-0.007 χ^2/NDF:39.5/58

All: 0.002+/-0.005 χ^2/NDF: 102.1/115

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: 40.870+/-0.007 χ^2/NDF: 1200217.9/34

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

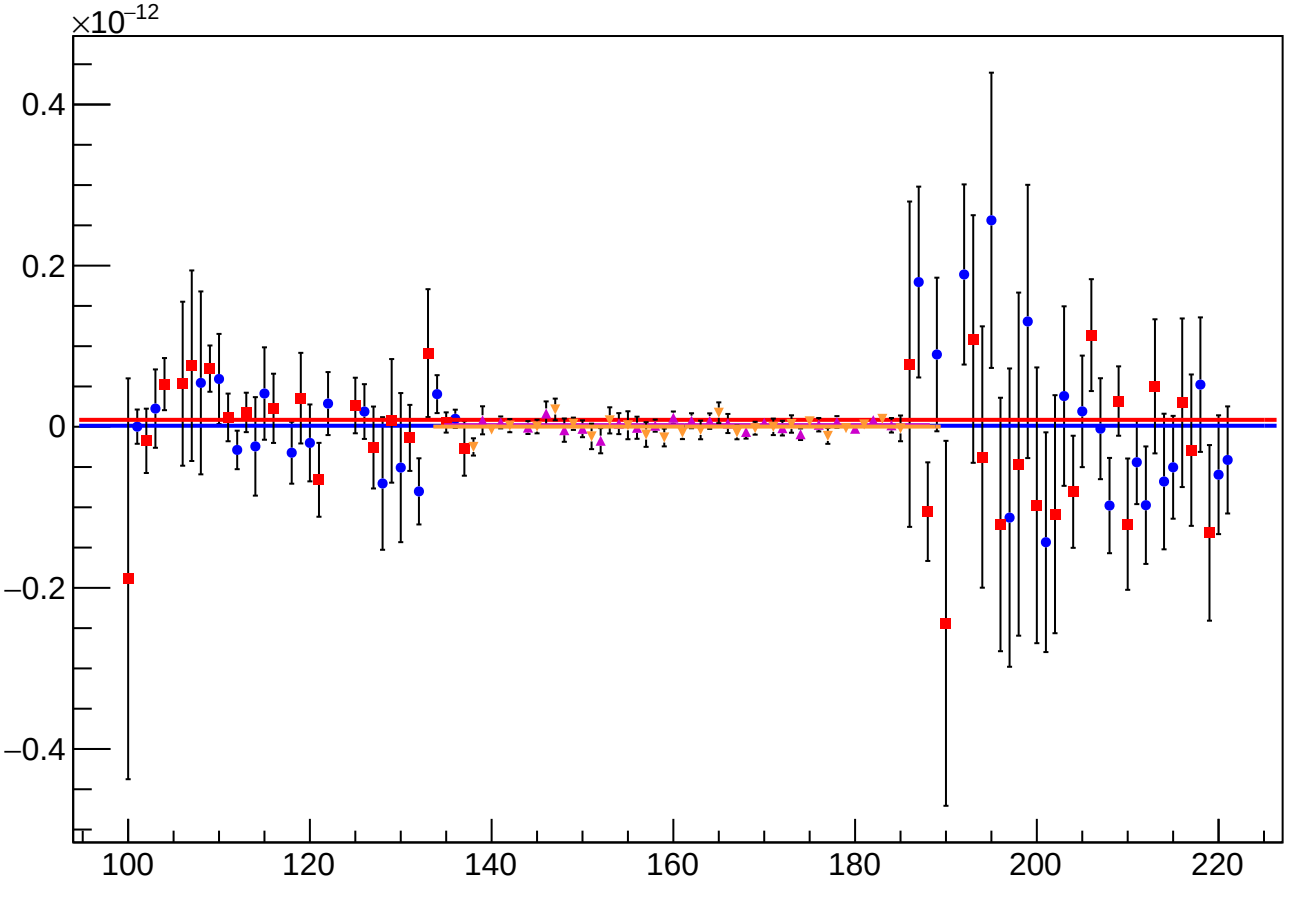
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 40.609+/-0.005 χ^2/NDF: 1671498.5/68

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

Out: 41.407+/-0.005 χ^2/NDF:2931620.4/58

All: 41.243+/-0.003 χ^2/NDF: 4976796.9/115



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: 30.7/34

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

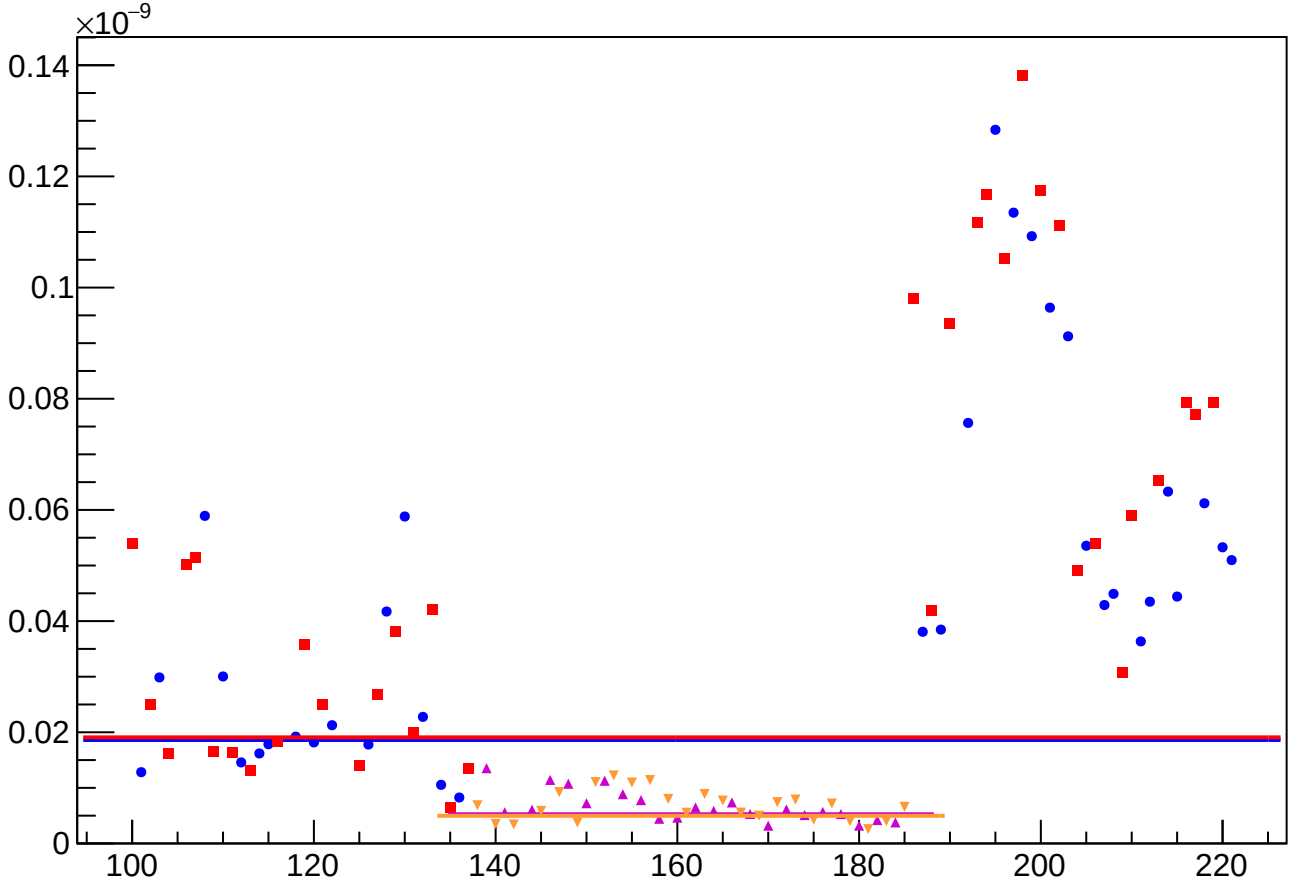
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 63.4/68

In: 0.000+/-0.000 χ^2/NDF:43.9/56

Out: 0.000+/-0.000 χ^2/NDF:53.1/58

All: 0.000+/-0.000 χ^2/NDF: 97.3/115



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: 12320012.9/34

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

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

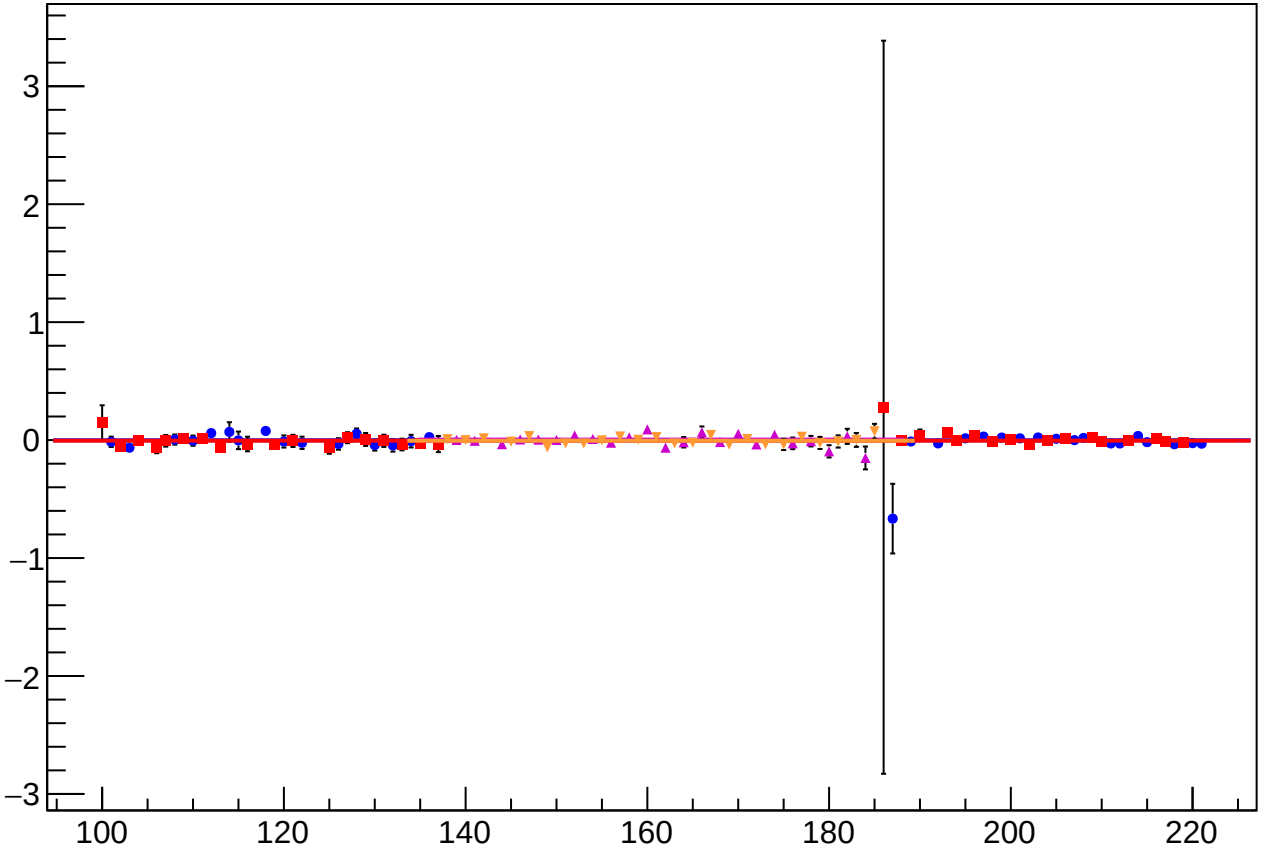
Right: 0.000+/-0.000 χ^2/NDF: 23403932.9/68

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

Out: 0.000+/-0.000 χ^2/NDF:22880548.7/58

All: 0.000+/-0.000 χ^2/NDF: 43728295.2/115

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: -0.005+/-0.006 χ^2/NDF: 24.4/34

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

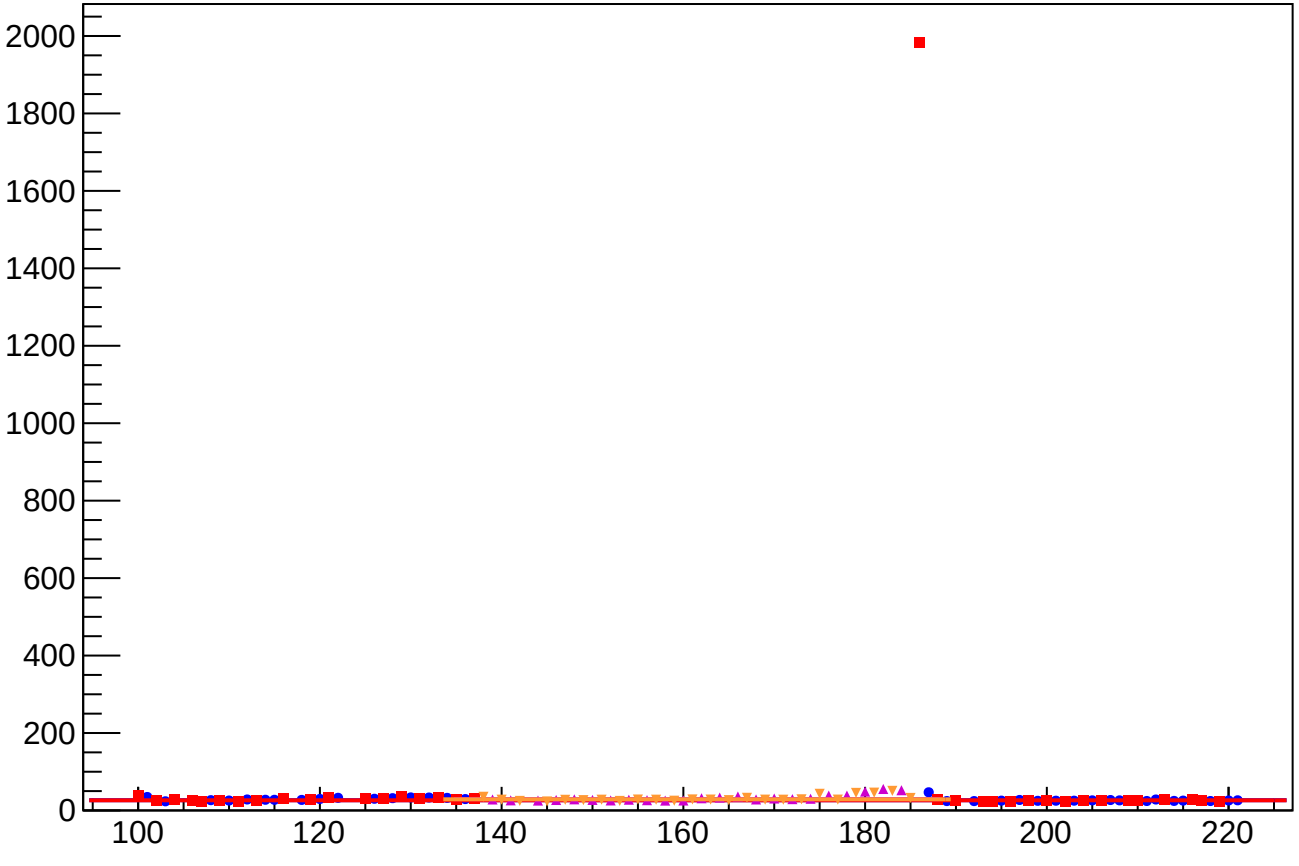
Right: -0.003+/-0.004 χ^2/NDF: 57.1/68

In: 0.001+/-0.005 χ^2/NDF:64.2/56

Out: -0.005+/-0.005 χ^2/NDF:41.2/58

All: -0.002+/-0.003 χ^2/NDF: 106.1/115

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: 26.238+/-0.004 χ^2/NDF: 1163783.3/34

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

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

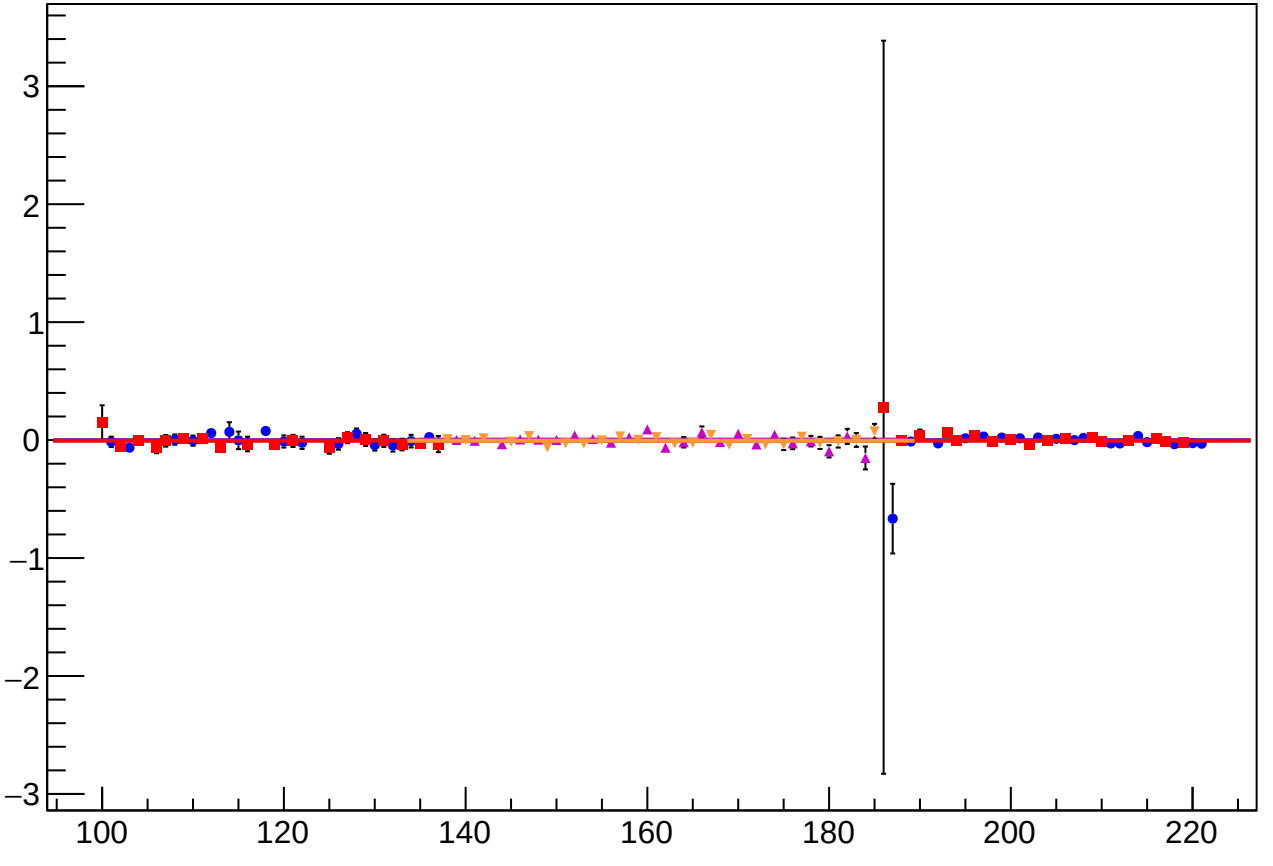
Right: 26.382+/-0.003 χ^2/NDF: 1549490.7/68

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

Out: 27.311+/-0.003 χ^2/NDF:2484421.3/58

All: 27.467+/-0.002 χ^2/NDF: 4186279.4/115

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: -0.005+/-0.006 χ^2/NDF: 24.4/34

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

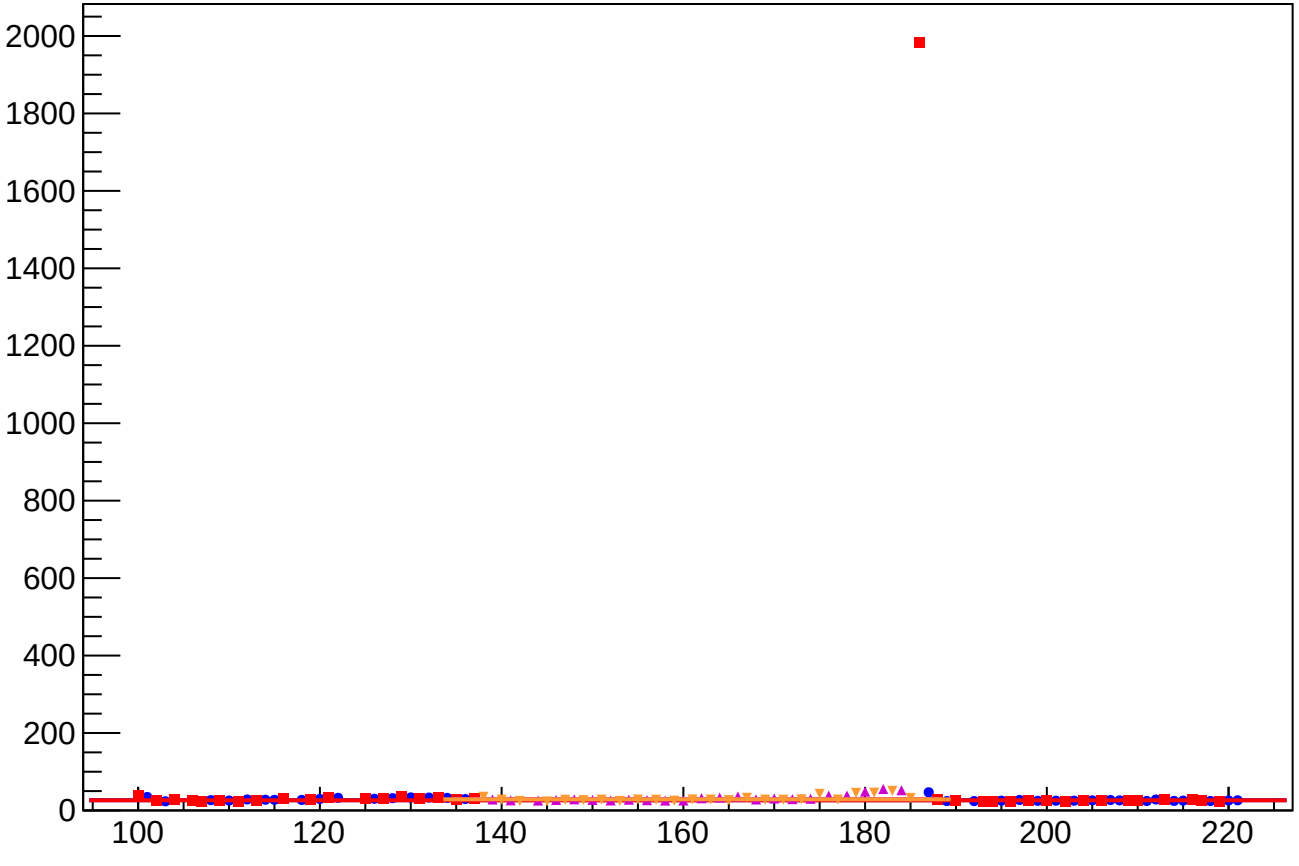
Right: -0.003+/-0.004 χ^2/NDF: 57.1/68

In: 0.001+/-0.005 χ^2/NDF:64.2/56

Out: -0.005+/-0.005 χ^2/NDF:41.2/58

All: -0.002+/-0.003 χ^2/NDF: 106.1/115

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: 26.238+/-0.004 χ^2/NDF: 1163783.3/34

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

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

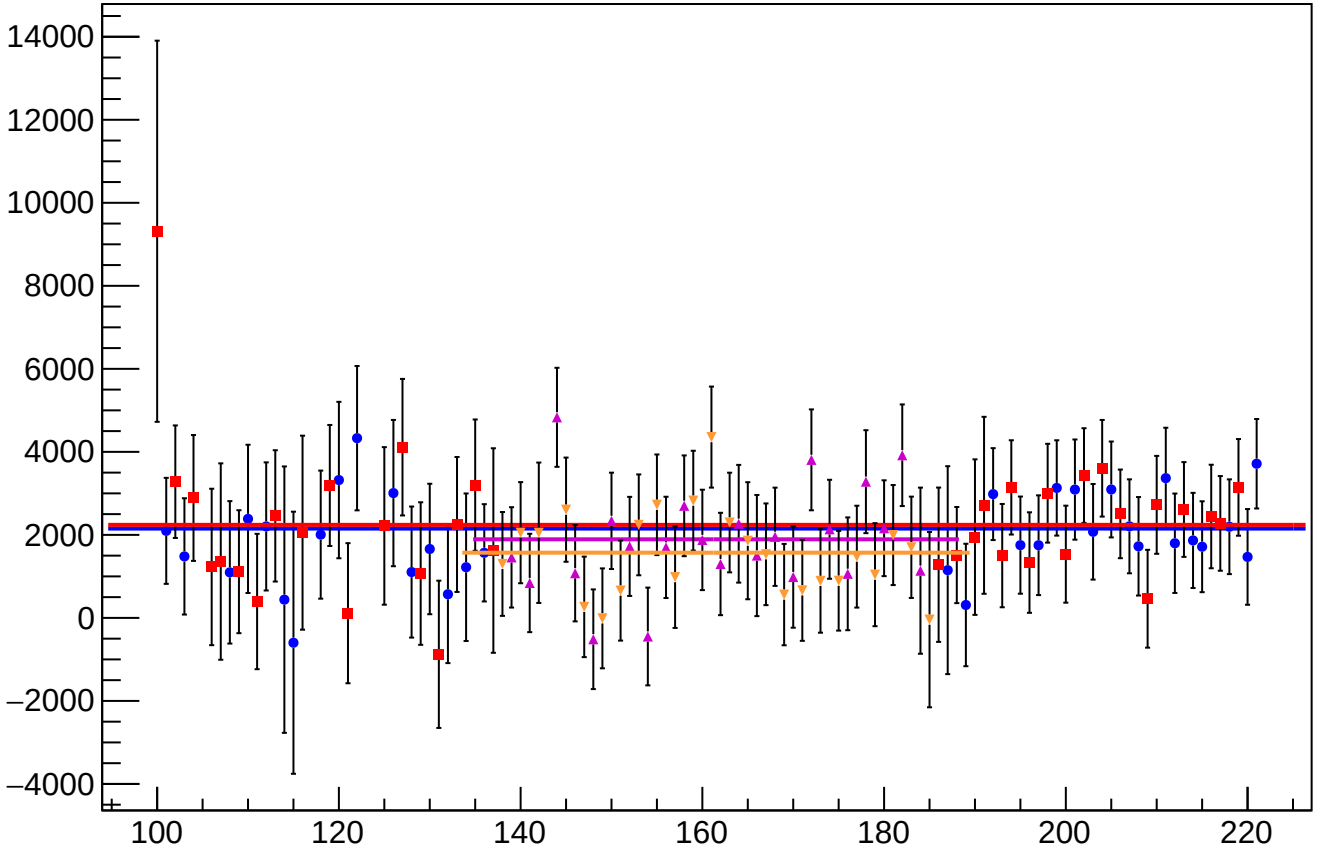
Right: 26.382+/-0.003 χ^2/NDF: 1549490.7/68

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

Out: 27.311+/-0.003 χ^2/NDF:2484421.3/58

All: 27.467+/-0.002 χ^2/NDF: 4186279.4/115

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: 2241.834+/-237.072 χ^2/NDF: 21.5/35

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

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

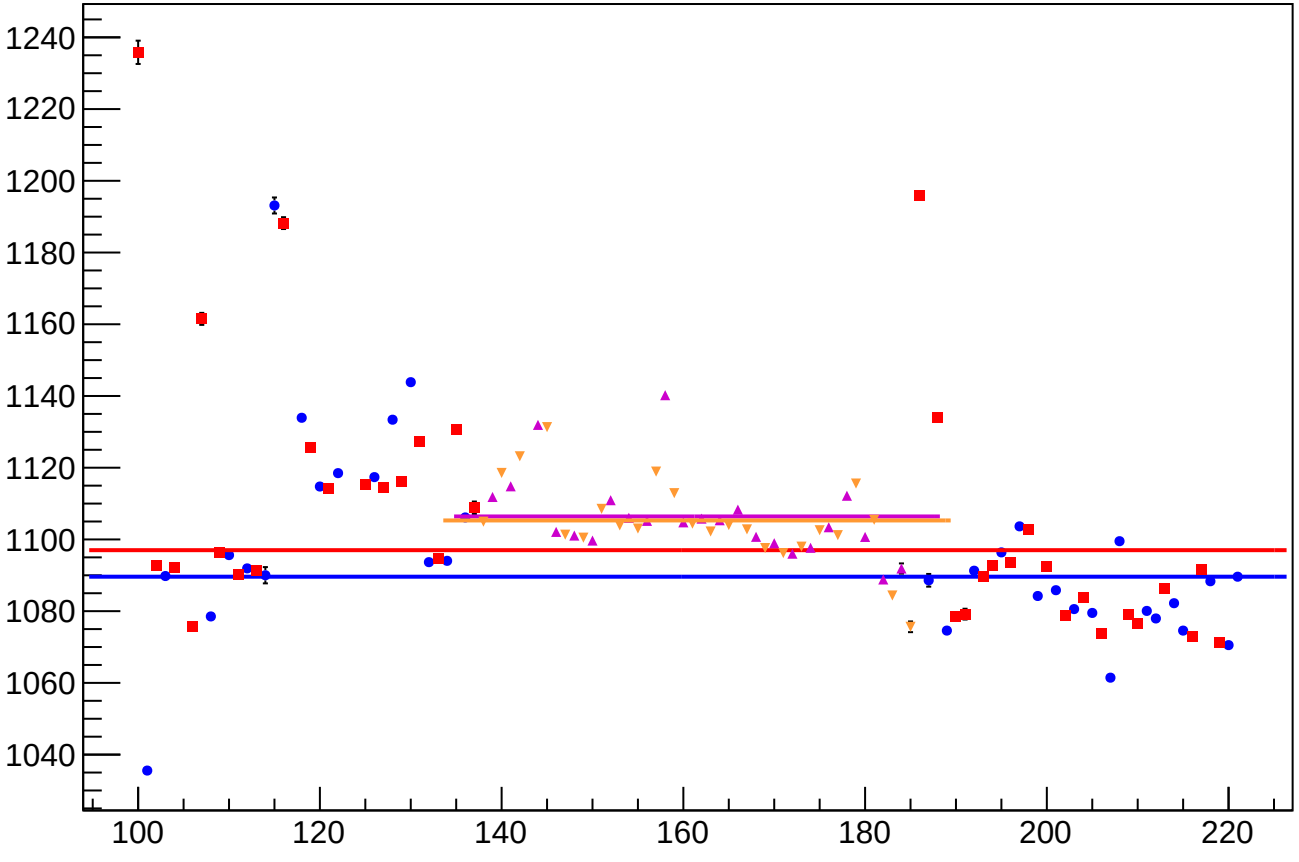
Right: 2196.018+/-165.740 χ^2/NDF: 35.8/69

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

Out: 1932.853+/-174.110 χ^2/NDF:40.6/59

All: 1985.279+/-122.552 χ^2/NDF: 79.7/116

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: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

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

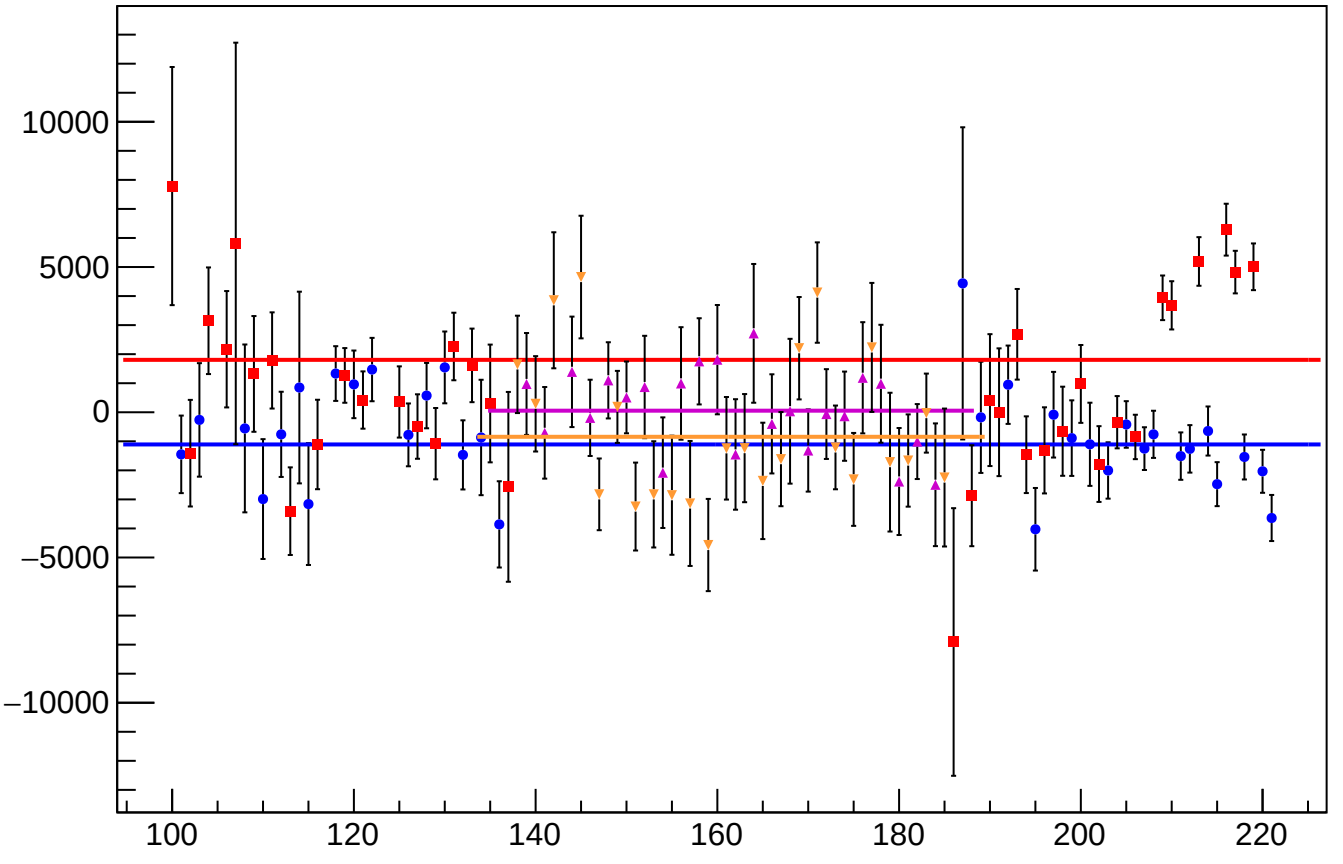
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.225+/-0.117 χ^2/NDF: 40687.8/69

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

Out: 1100.823+/-0.123 χ^2/NDF:27148.8/59

All: 1098.945+/-0.087 χ^2/NDF: 52901.2/116



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: 1804.413+/-202.557 χ^2/NDF: 176.8/35

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

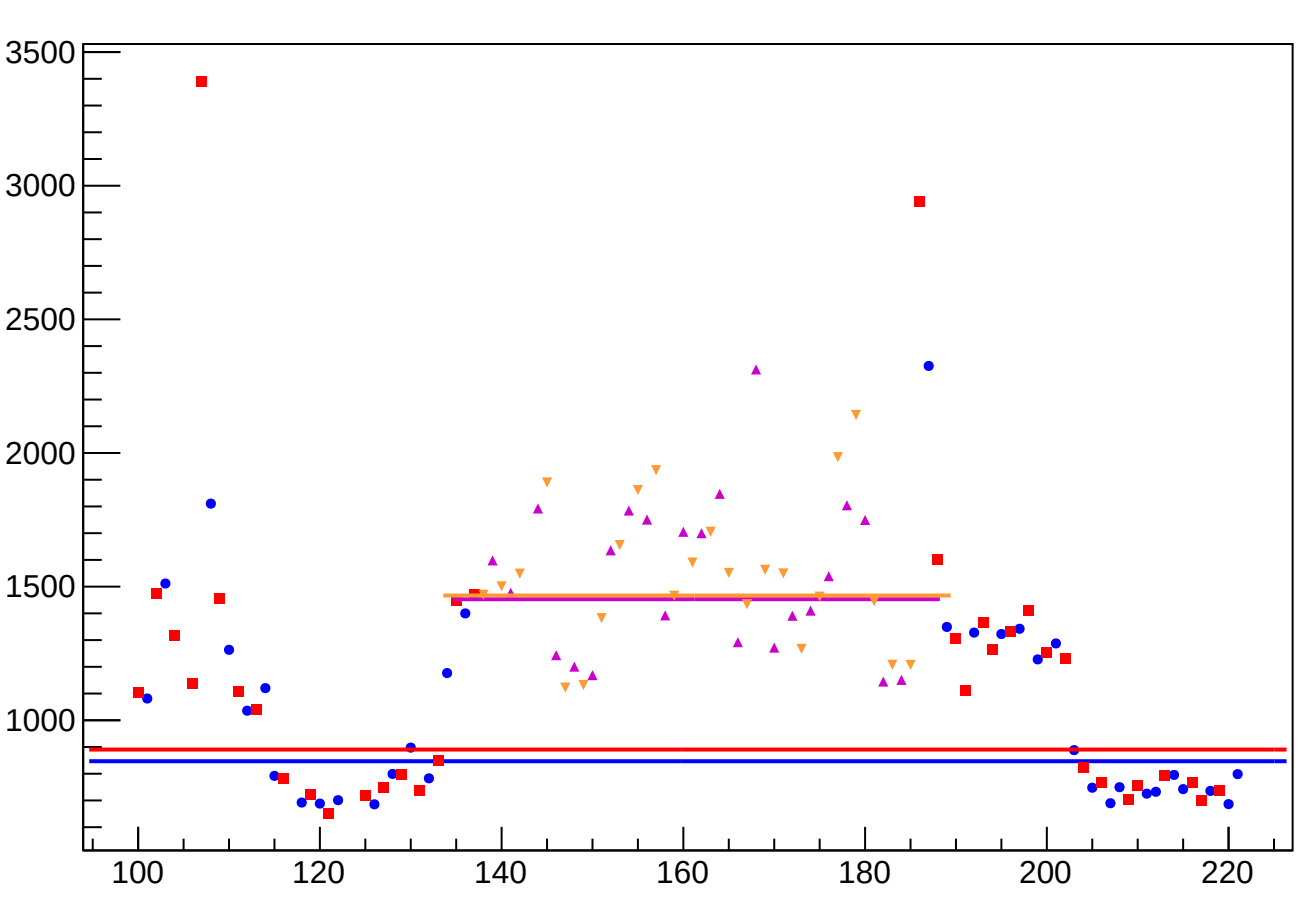
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 234.997+/-137.550 χ^2/NDF: 342.7/69

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

Out: 1132.157+/-174.978 χ^2/NDF:264.4/59

All: 84.519+/-119.954 χ^2/NDF: 408.3/116



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: 890.427+/-0.143 χ^2/NDF: 3707875.4/35

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

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

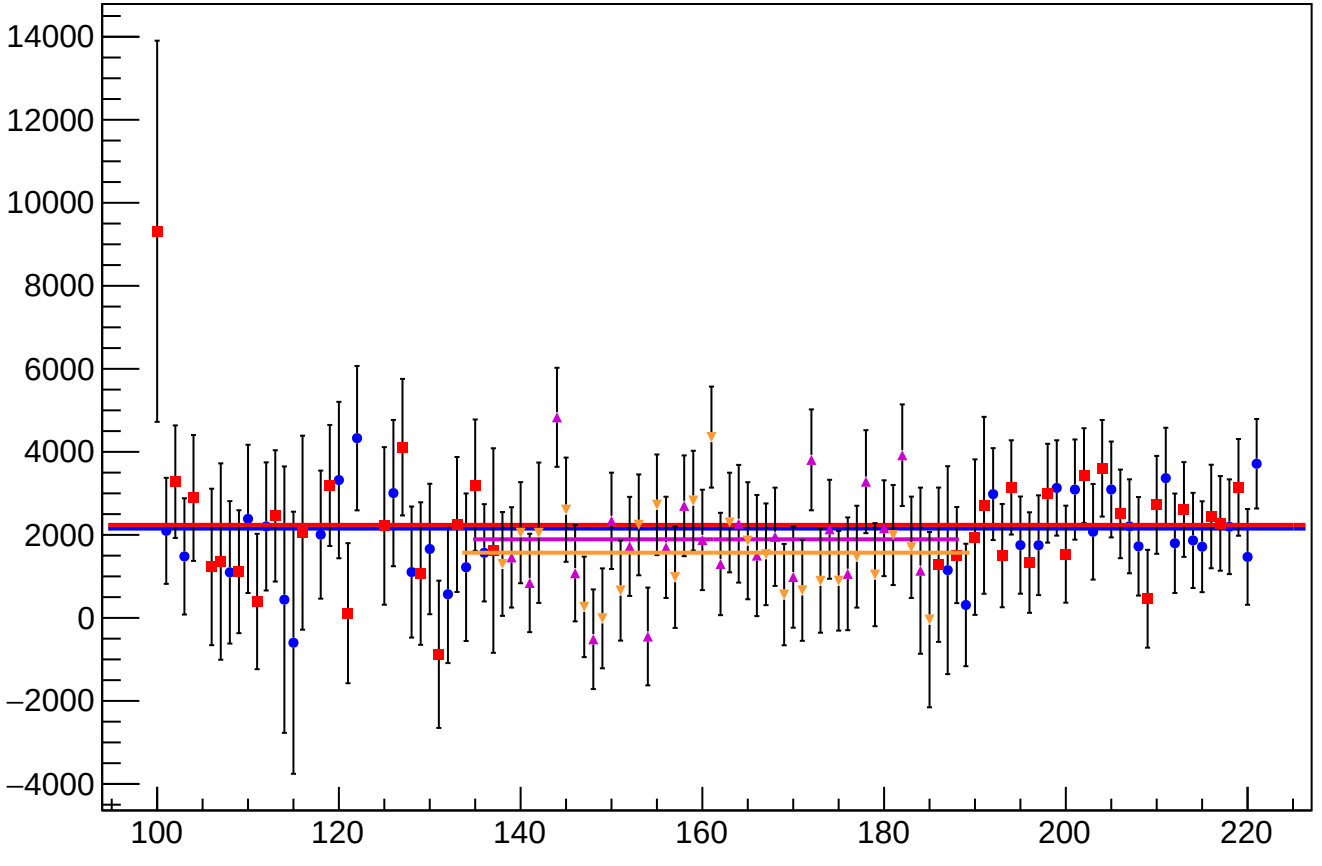
Right: 866.908+/-0.097 χ^2/NDF: 6701251.3/69

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

Out: 1036.706+/-0.124 χ^2/NDF:8861277.7/59

All: 1008.915+/-0.085 χ^2/NDF: 17777167.0/1

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: 2241.827+/-237.072 χ^2/NDF: 21.5/35

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

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

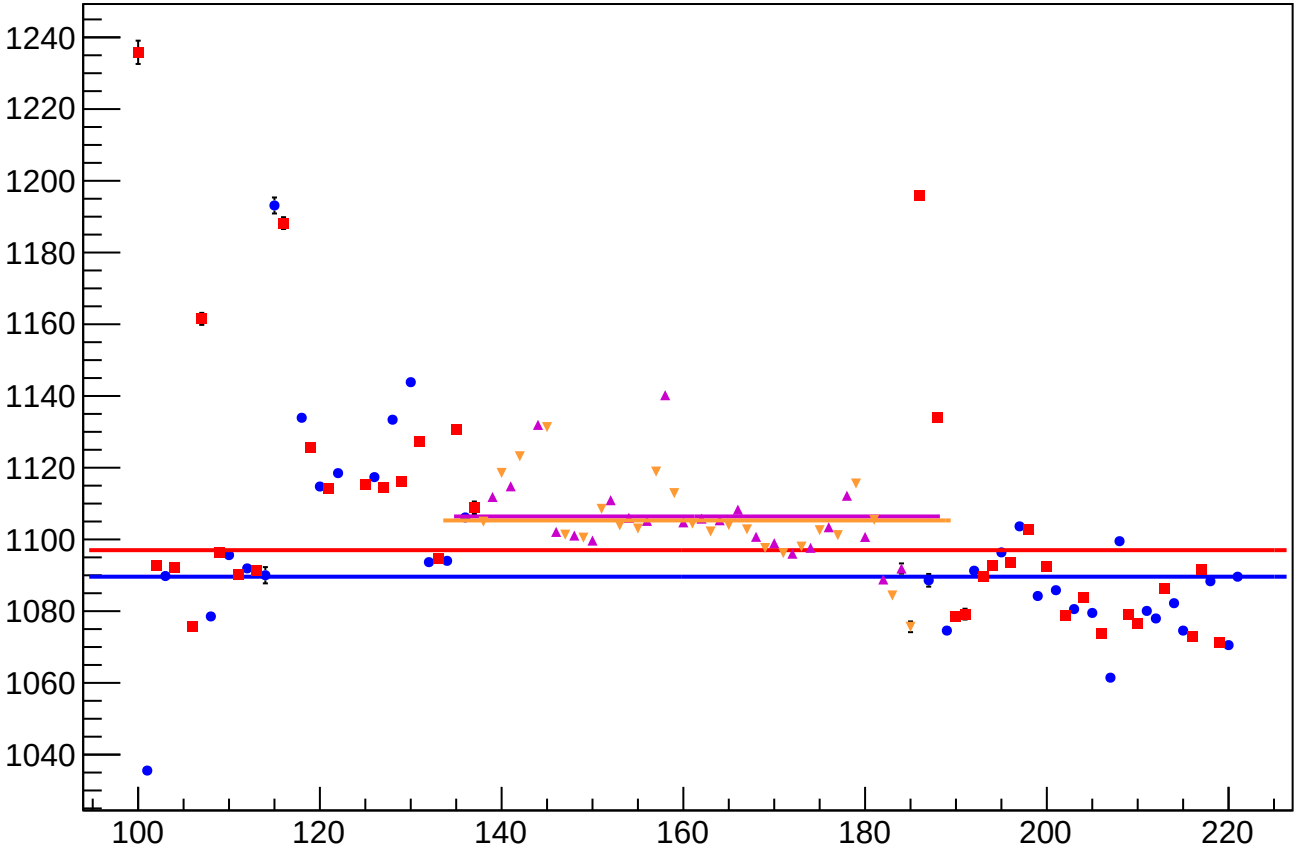
Right: 2196.015+/-165.740 χ^2/NDF: 35.8/69

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

Out: 1932.850+/-174.110 χ^2/NDF:40.6/59

All: 1985.277+/-122.552 χ^2/NDF: 79.7/116

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: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

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

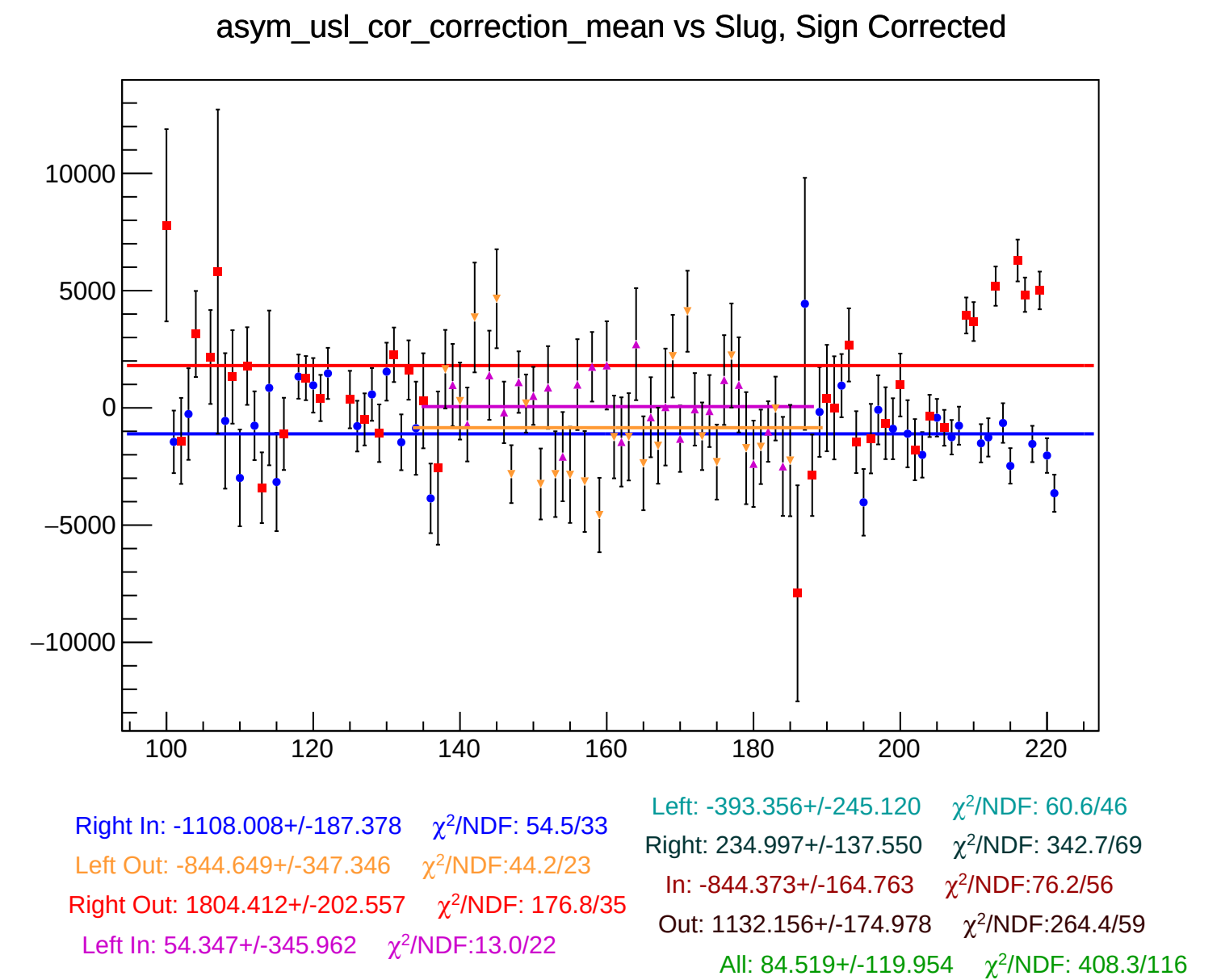
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.225+/-0.117 χ^2/NDF: 40687.8/69

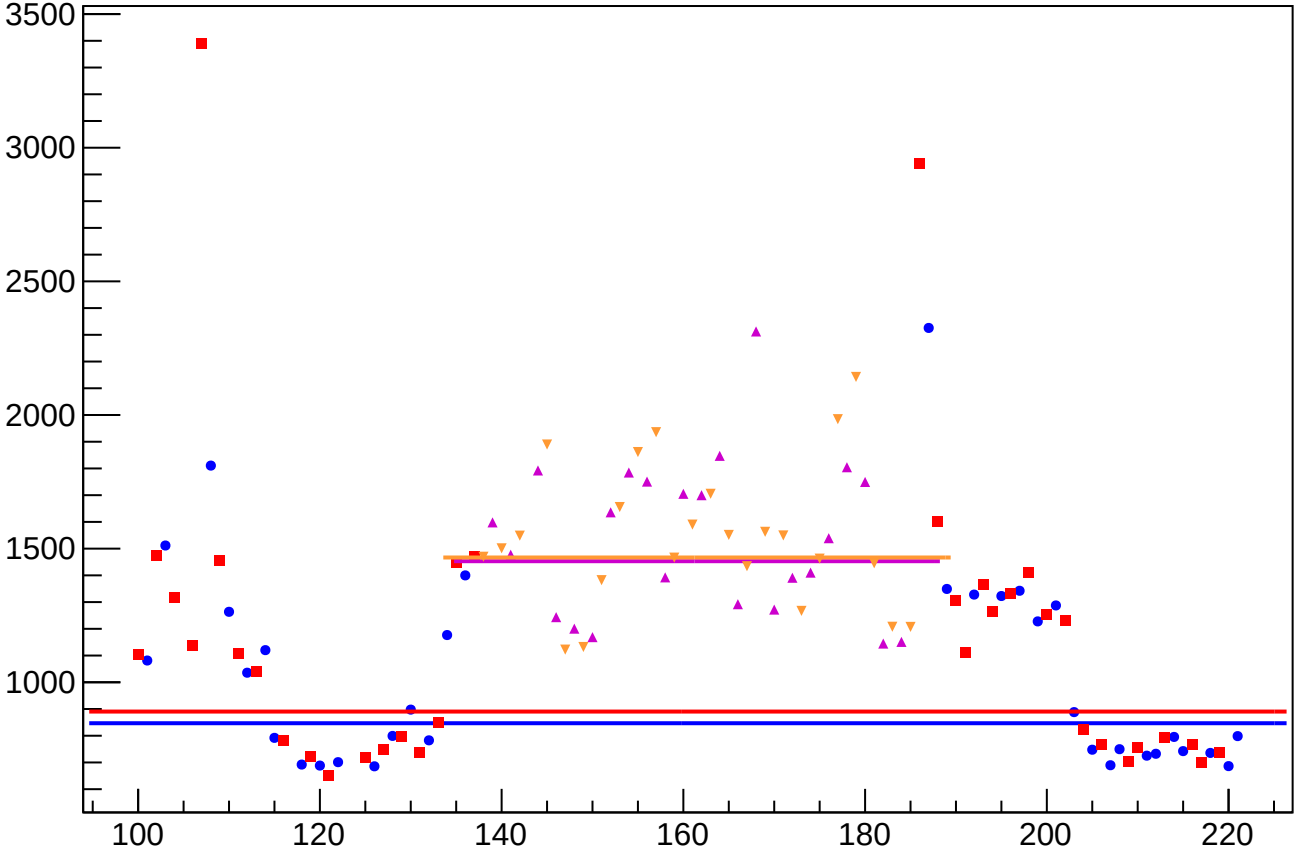
In: 1097.101+/-0.122 χ^2/NDF:25291.2/56

Out: 1100.823+/-0.123 χ^2/NDF:27148.8/59

All: 1098.945+/-0.087 χ^2/NDF: 52901.2/116


asym_usl_cor_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1108.008+/-187.378 χ²/NDF: 54.5/33
Left Out: -844.649+/-347.346 χ²/NDF:44.2/23
Right Out: 1804.412+/-202.557 χ²/NDF: 176.8/35
Left In: 54.347+/-345.962 χ²/NDF:13.0/22
Left: -393.356+/-245.120 χ²/NDF: 60.6/46
Right: 234.997+/-137.550 χ²/NDF: 342.7/69
In: -844.373+/-164.763 χ²/NDF:76.2/56
Out: 1132.156+/-174.978 χ²/NDF:264.4/59
All: 84.519+/-119.954 χ²/NDF: 408.3/116

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: 890.427+/-0.143 χ^2/NDF: 3707873.5/35

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

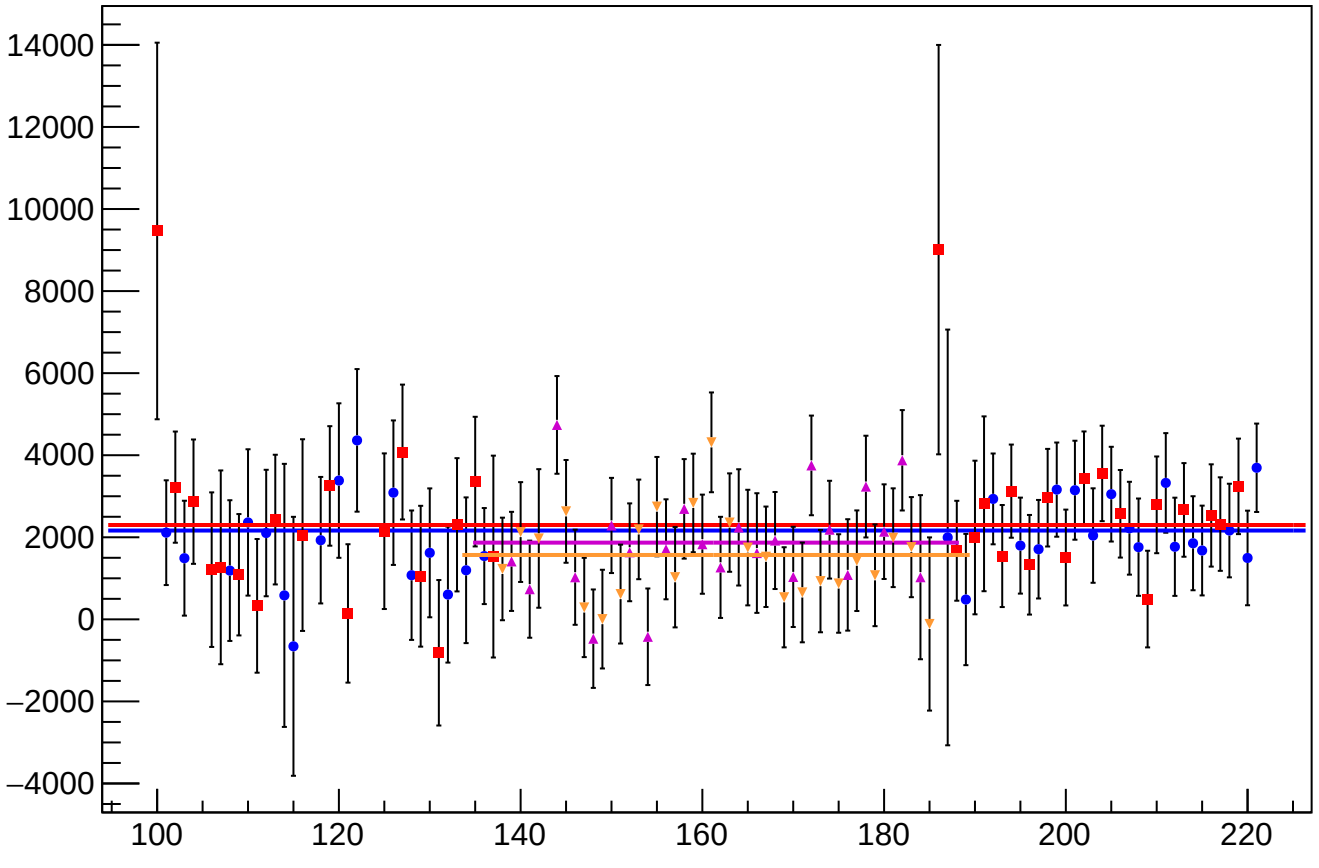
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 866.908+/-0.097 χ^2/NDF: 6701249.2/69

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

Out: 1036.706+/-0.124 χ^2/NDF:8861276.9/59

All: 1008.915+/-0.085 χ^2/NDF: 17777166.0/1



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: 2299.363+/-239.111 χ^2/NDF: 23.1/35

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

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

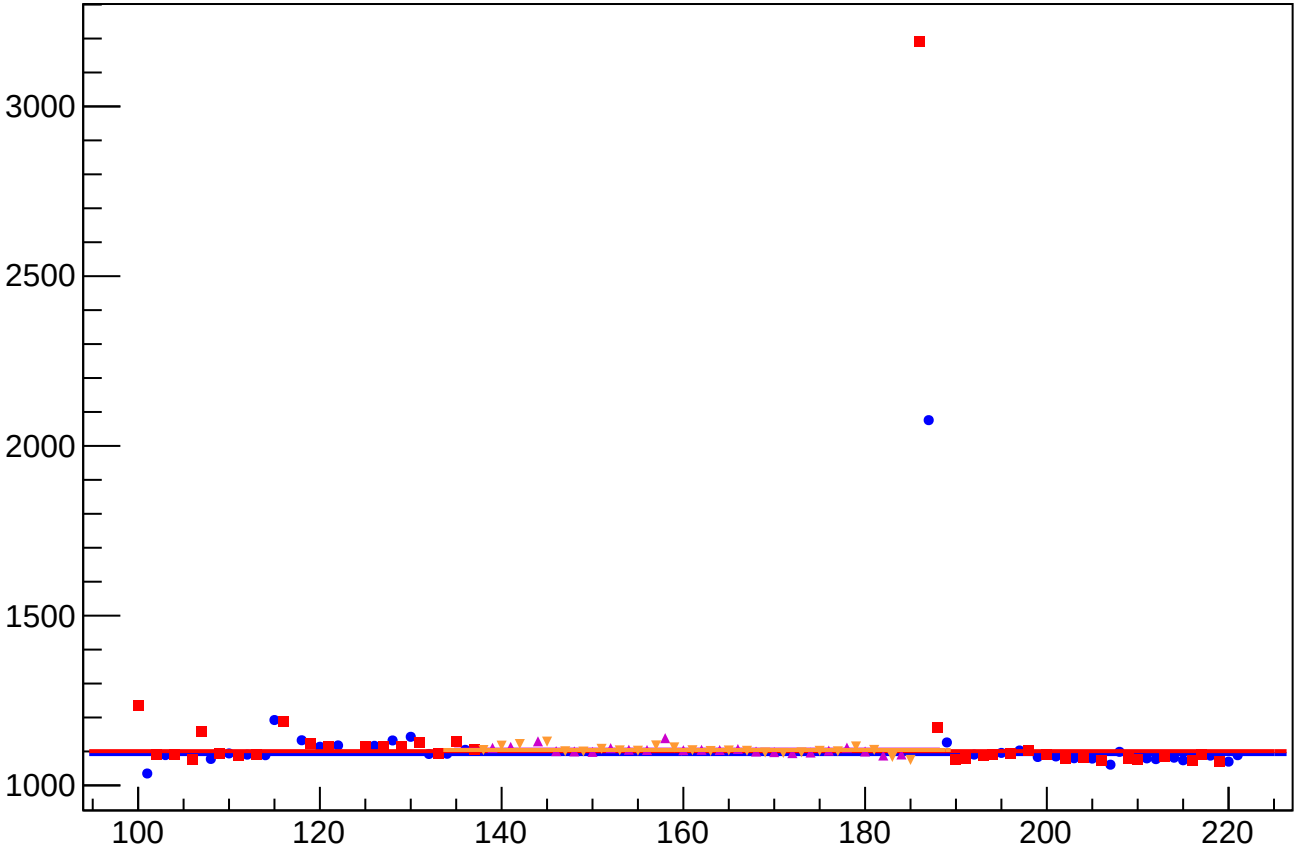
Right: 2230.113+/-166.814 χ^2/NDF: 36.9/69

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

Out: 1959.385+/-174.836 χ^2/NDF:42.9/59

All: 1996.121+/-122.932 χ^2/NDF: 80.7/116

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: 1100.864+/-0.169 χ^2/NDF: 374299.0/35

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

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

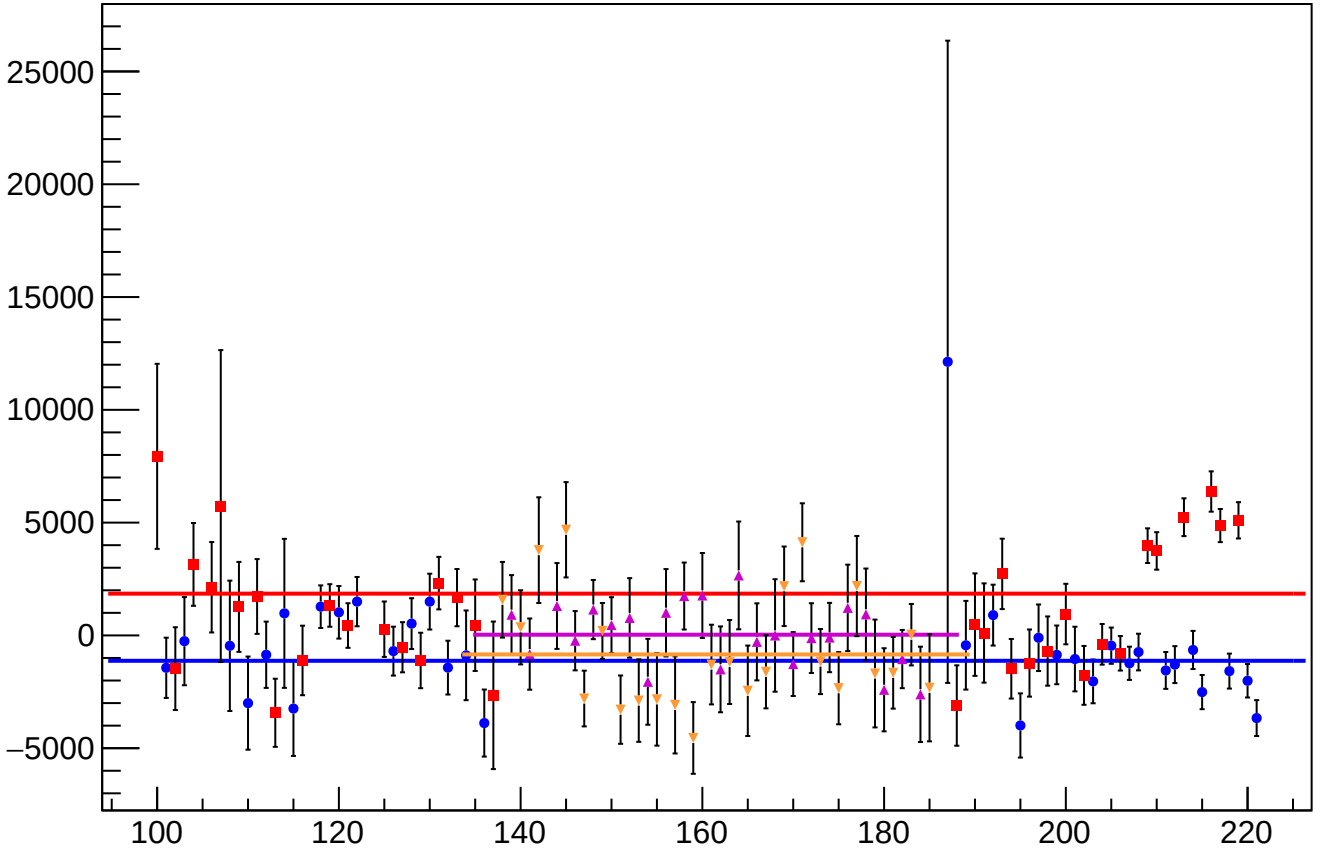
Right: 1096.390+/-0.118 χ^2/NDF: 468762.1/69

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

Out: 1102.444+/-0.124 χ^2/NDF:377485.7/59

All: 1100.240+/-0.087 χ^2/NDF: 477772.6/116

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



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

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

Right Out: 1851.161+/-203.065 χ^2/NDF: 176.1/34

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

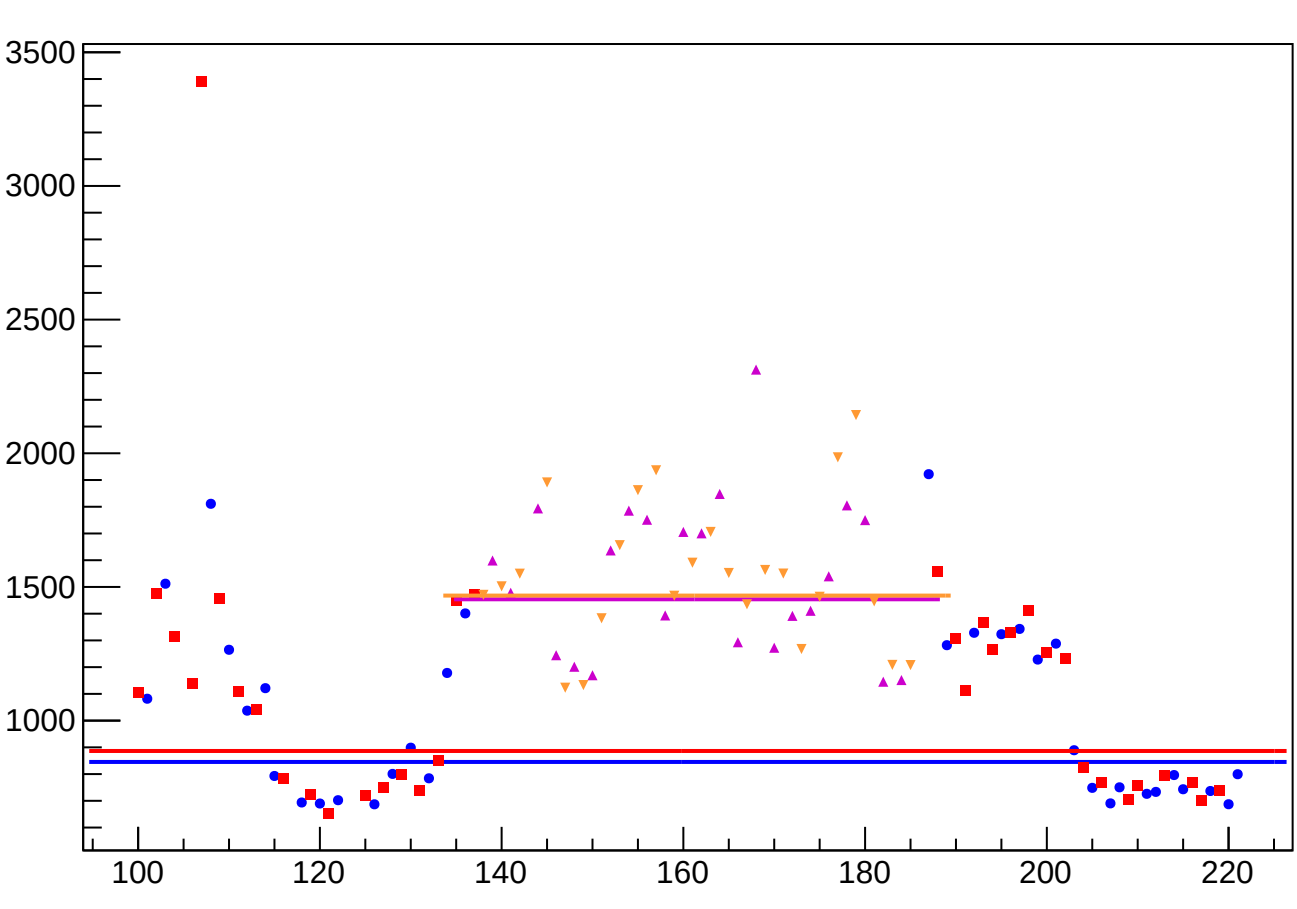
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 246.523+/-137.855 χ^2/NDF: 346.1/68

In: -862.279+/-165.036 χ^2/NDF:75.8/56

Out: 1165.395+/-175.330 χ^2/NDF:265.0/58

All: 90.291+/-120.173 χ^2/NDF: 411.7/115



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: 886.415+/-0.144 χ^2/NDF: 3244594.3/34

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

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

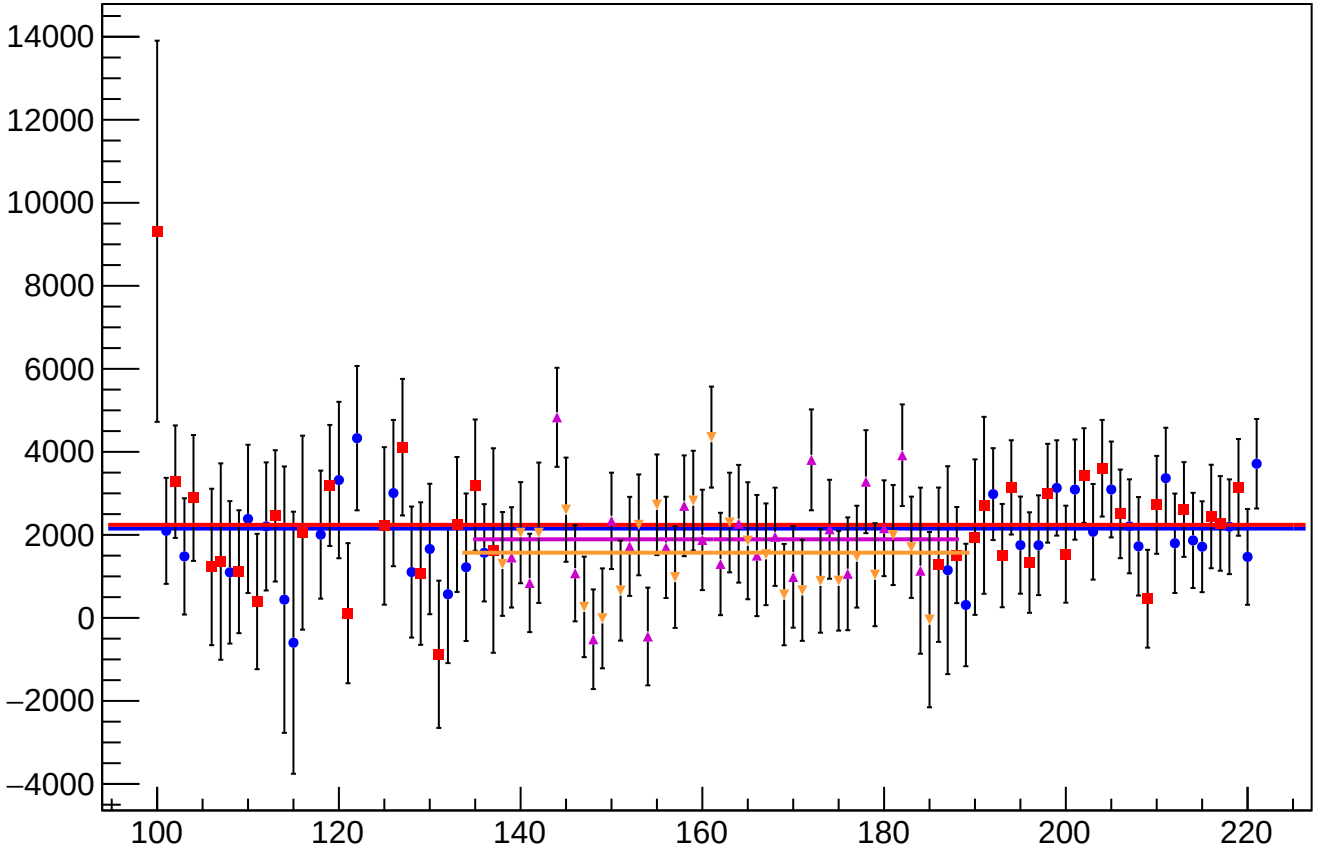
Right: 864.302+/-0.097 χ^2/NDF: 6044836.2/68

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

Out: 1034.358+/-0.124 χ^2/NDF:8457466.5/58

All: 1007.499+/-0.085 χ^2/NDF: 17204669.6/1

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: 2241.827+/-237.072 χ^2/NDF: 21.5/35

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

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

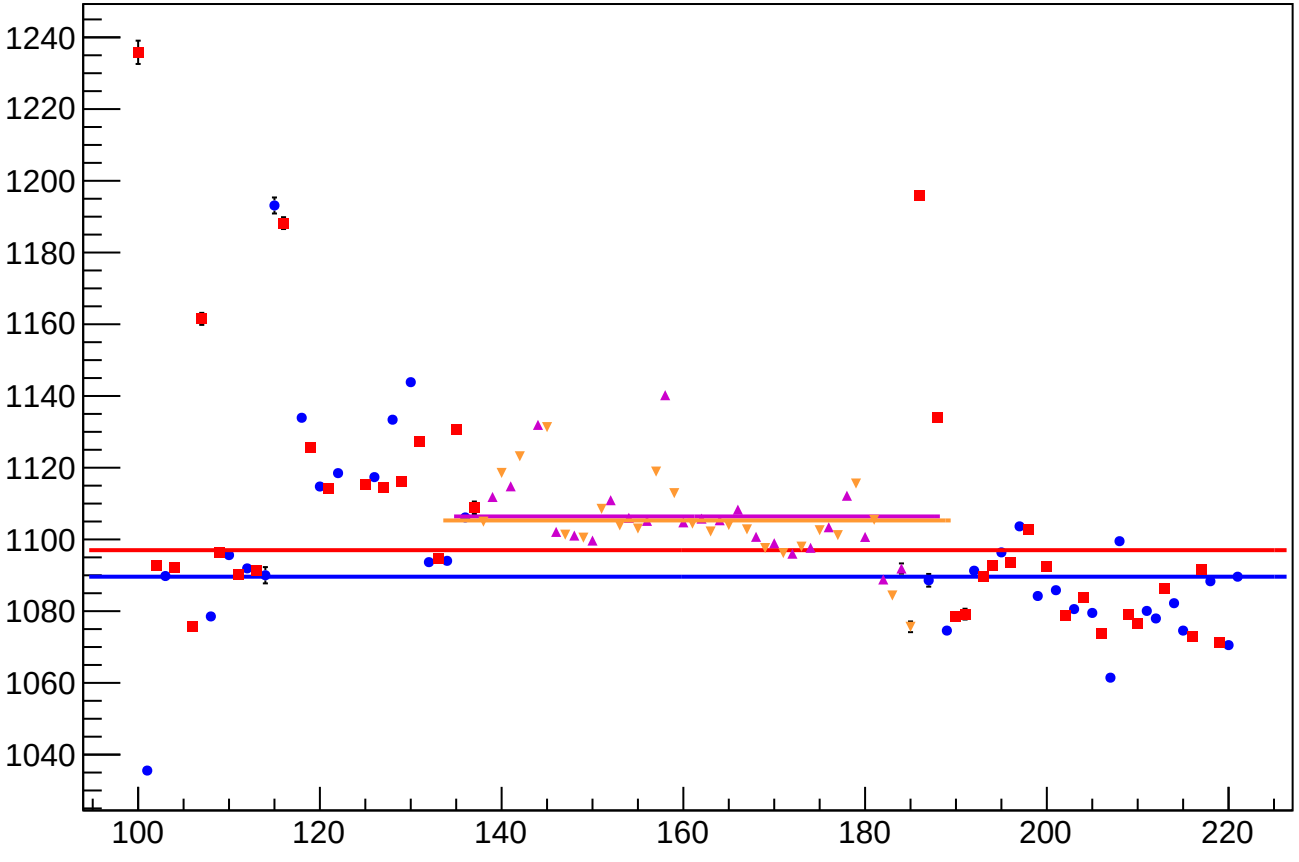
Right: 2196.015+/-165.740 χ^2/NDF: 35.8/69

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

Out: 1932.850+/-174.110 χ^2/NDF:40.6/59

All: 1985.277+/-122.552 χ^2/NDF: 79.7/116

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: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

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

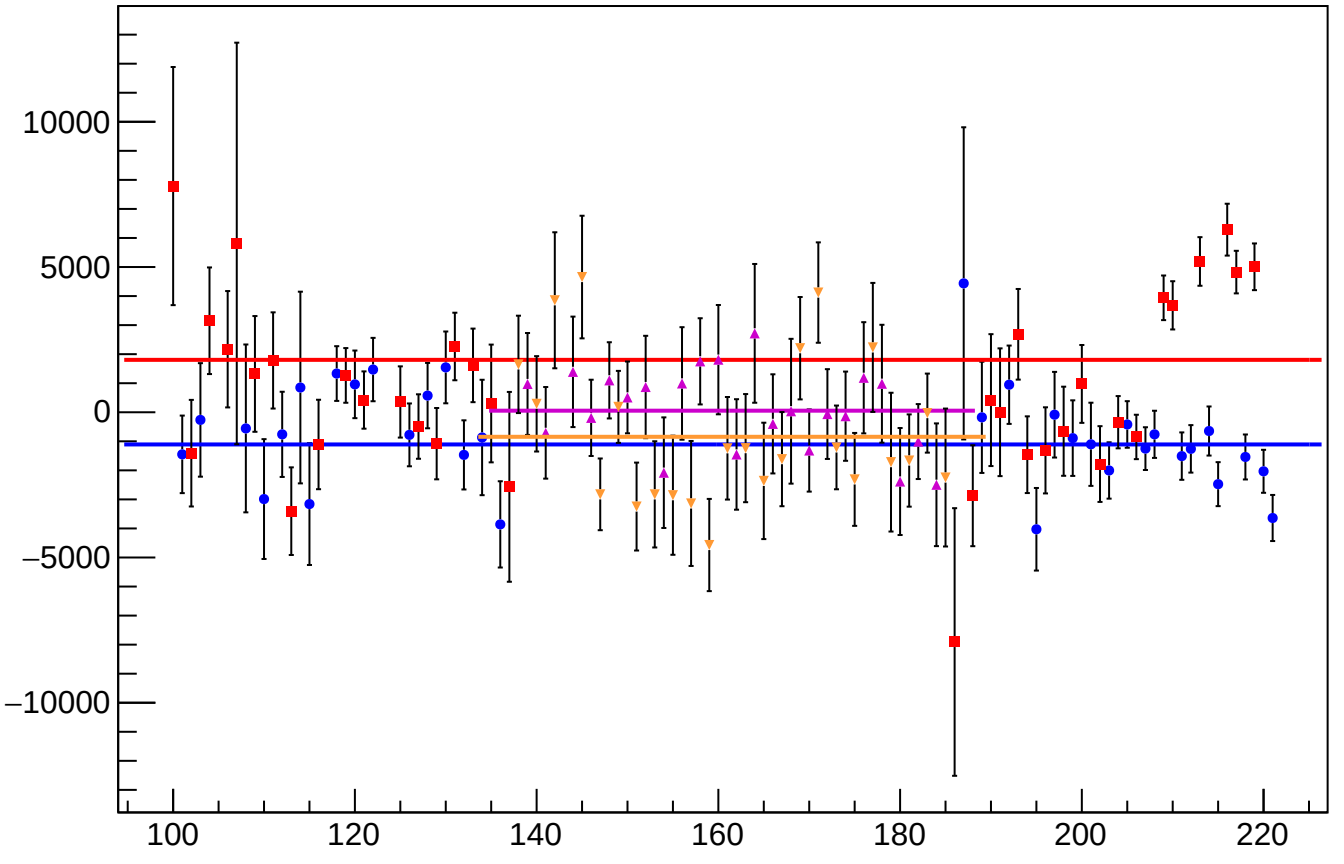
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.225+/-0.117 χ^2/NDF: 40687.8/69

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

Out: 1100.823+/-0.123 χ^2/NDF:27148.8/59

All: 1098.945+/-0.087 χ^2/NDF: 52901.2/116



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: 1804.412+/-202.557 χ^2/NDF: 176.8/35

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

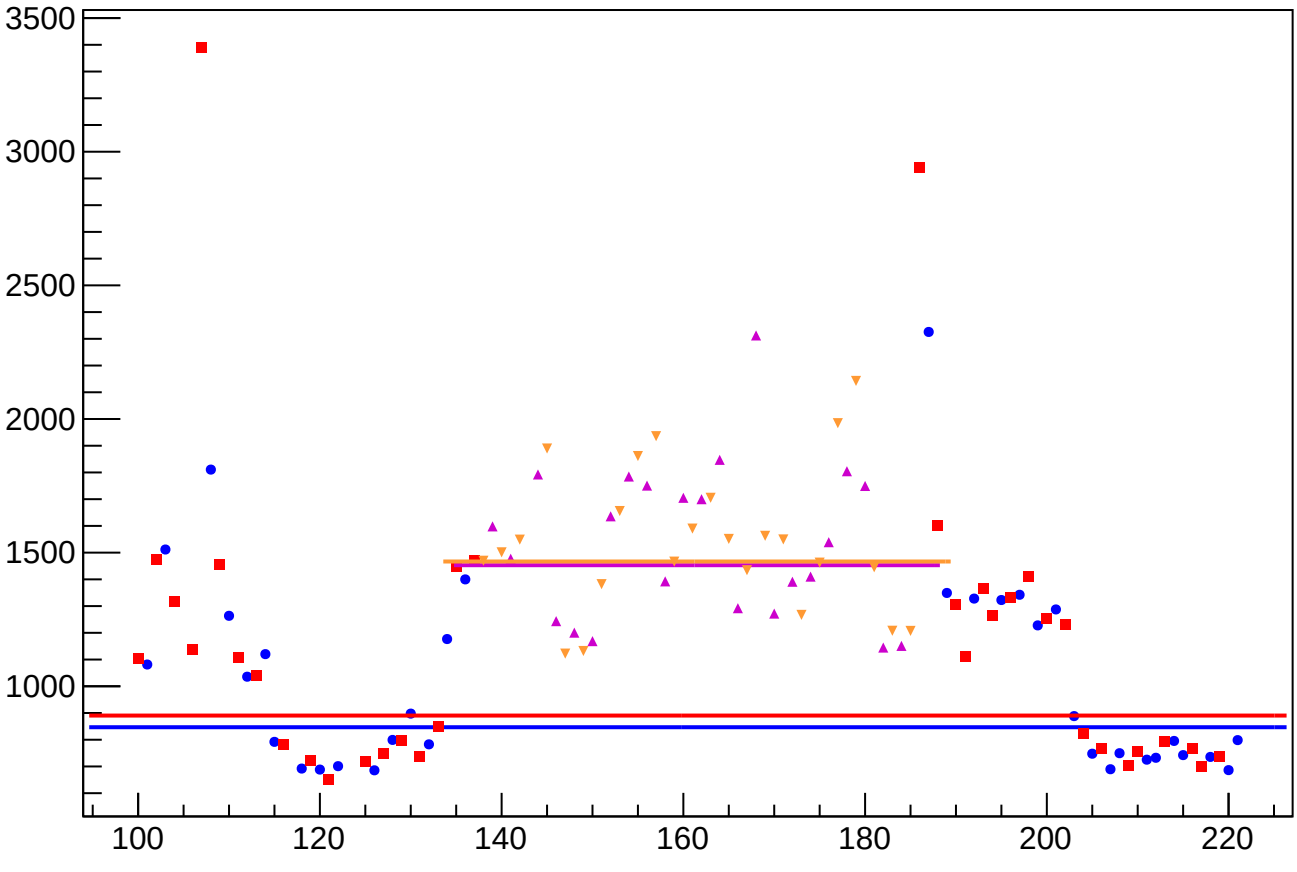
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 234.997+/-137.550 χ^2/NDF: 342.7/69

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

Out: 1132.156+/-174.978 χ^2/NDF:264.4/59

All: 84.519+/-119.954 χ^2/NDF: 408.3/116



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: 890.427+/-0.143 χ^2/NDF: 3707873.5/35

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

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

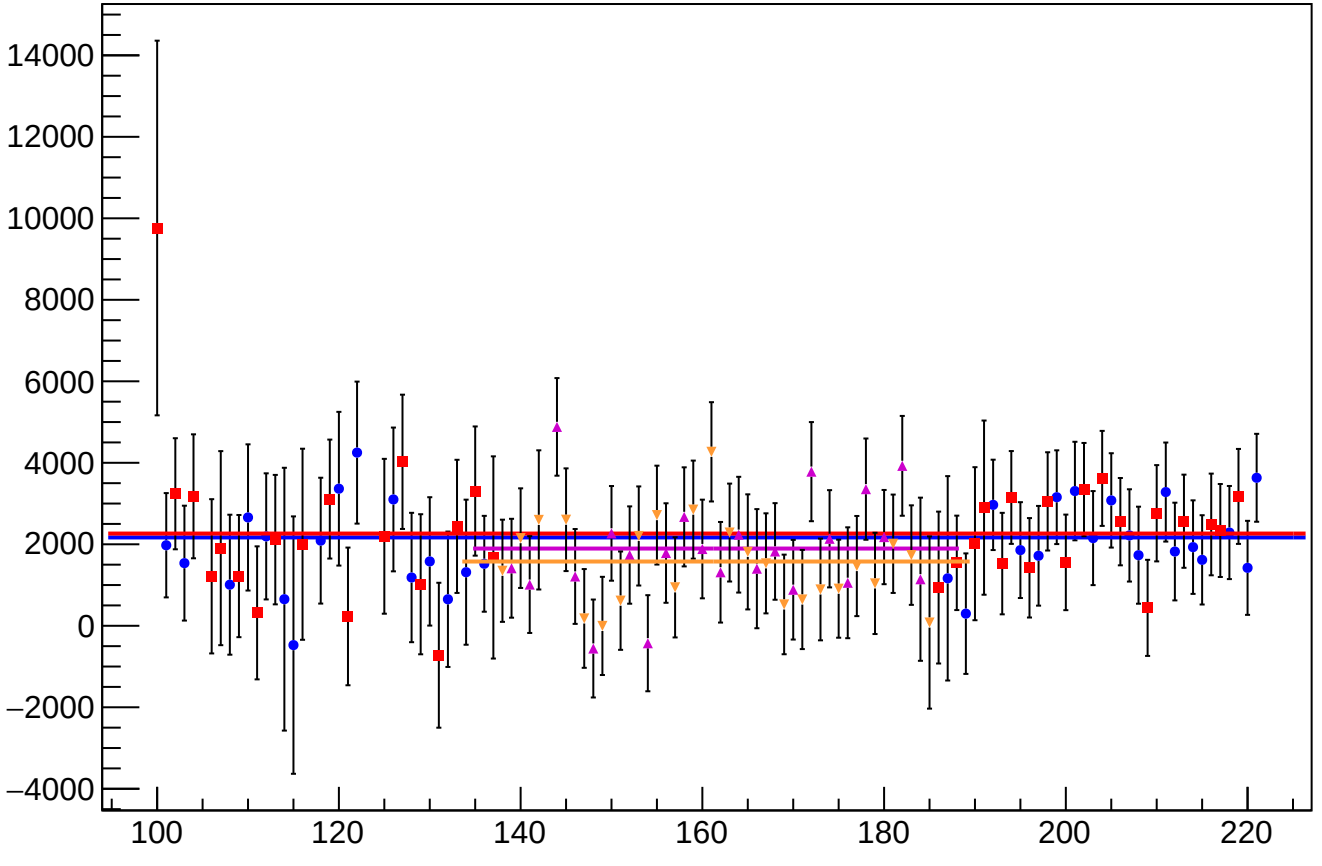
Right: 866.908+/-0.097 χ^2/NDF: 6701249.2/69

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

Out: 1036.706+/-0.124 χ^2/NDF:8861276.9/59

All: 1008.915+/-0.085 χ^2/NDF: 17777166.0/

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: 2263.505+/-237.818 χ^2/NDF: 21.4/35

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

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

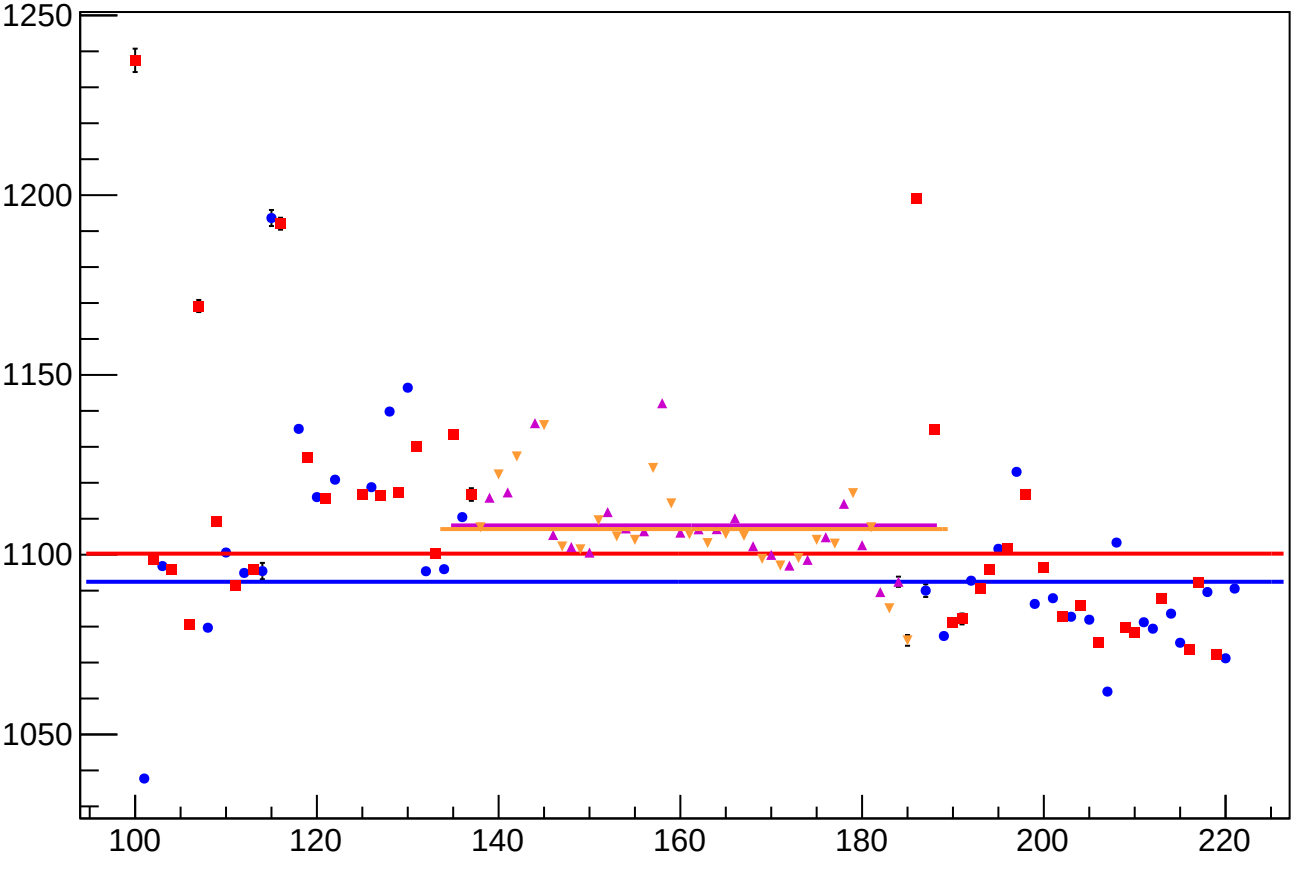
Right: 2214.662+/-166.223 χ^2/NDF: 35.5/69

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

Out: 1947.015+/-174.552 χ^2/NDF:40.8/59

All: 1997.147+/-122.842 χ^2/NDF: 79.6/116

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: 1100.295+/-0.168 χ^2/NDF: 23648.6/35

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

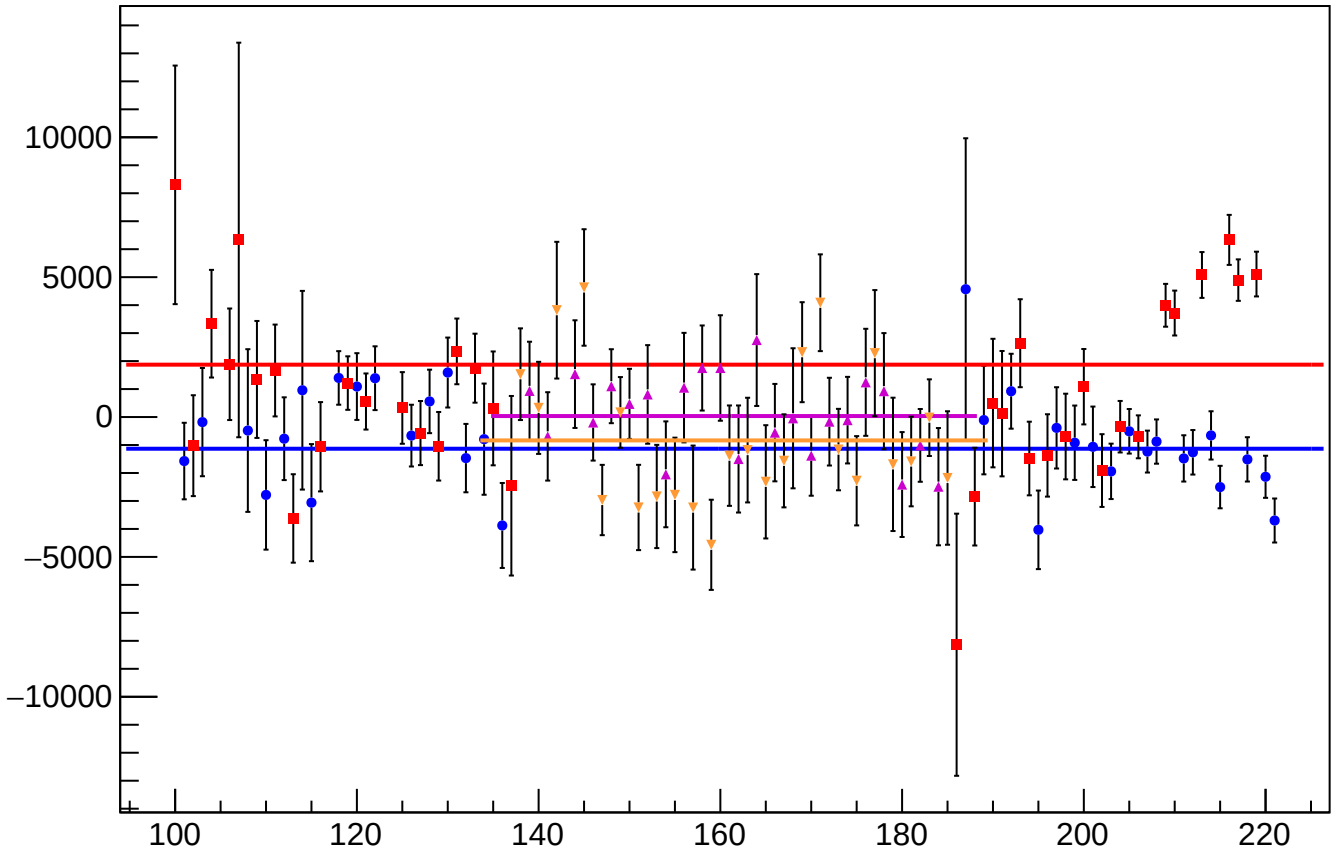
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1096.292+/-0.118 χ^2/NDF: 43358.6/69

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

Out: 1103.446+/-0.123 χ^2/NDF:28193.6/59

All: 1101.439+/-0.087 χ^2/NDF: 55573.5/116



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: 1872.168+/-203.364 χ^2/NDF: 177.2/35

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

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

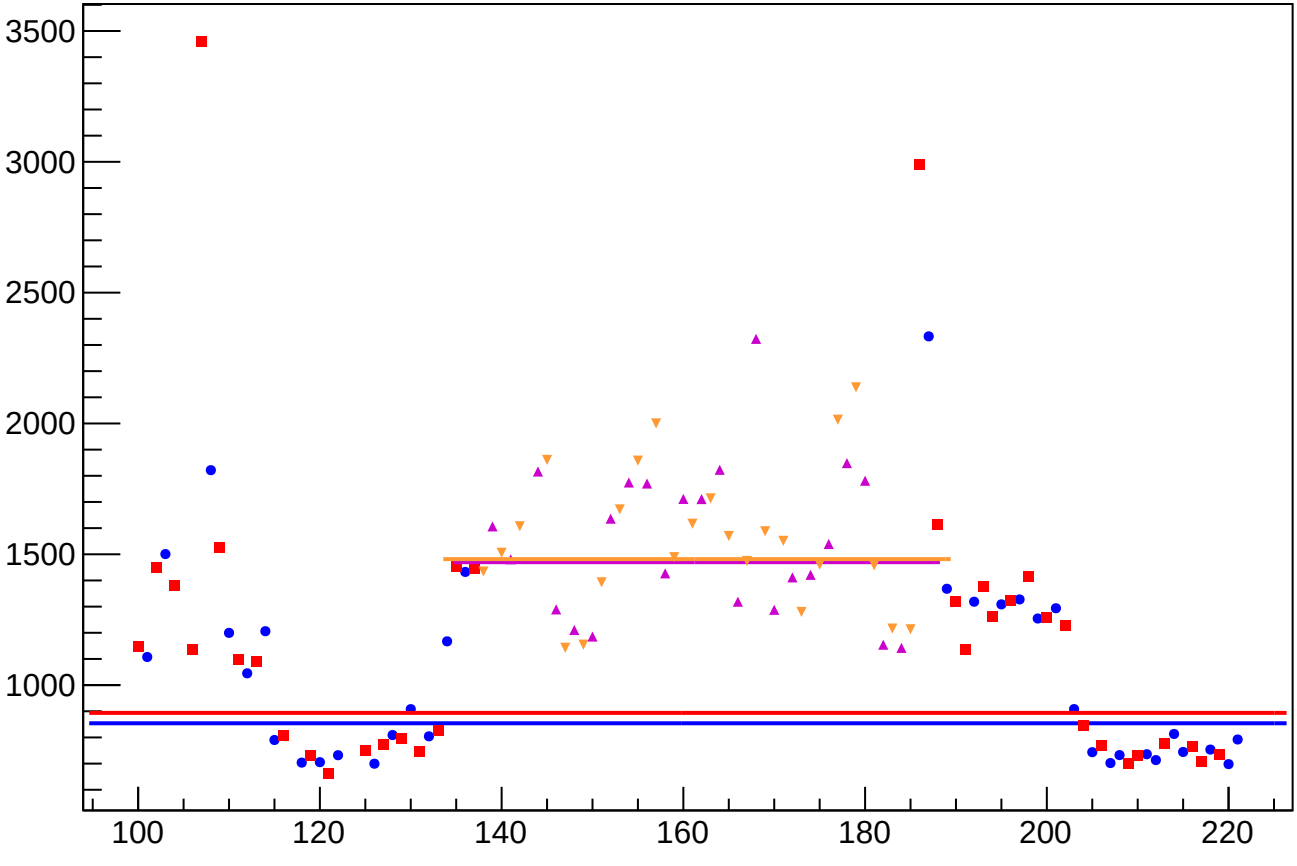
Right: 257.959+/-138.354 χ^2/NDF: 348.9/69

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

Out: 1190.606+/-175.915 χ^2/NDF:265.4/59

All: 101.697+/-120.774 χ^2/NDF: 414.0/116

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: 893.857+/-0.144 χ^2/NDF: 3751589.9/35

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

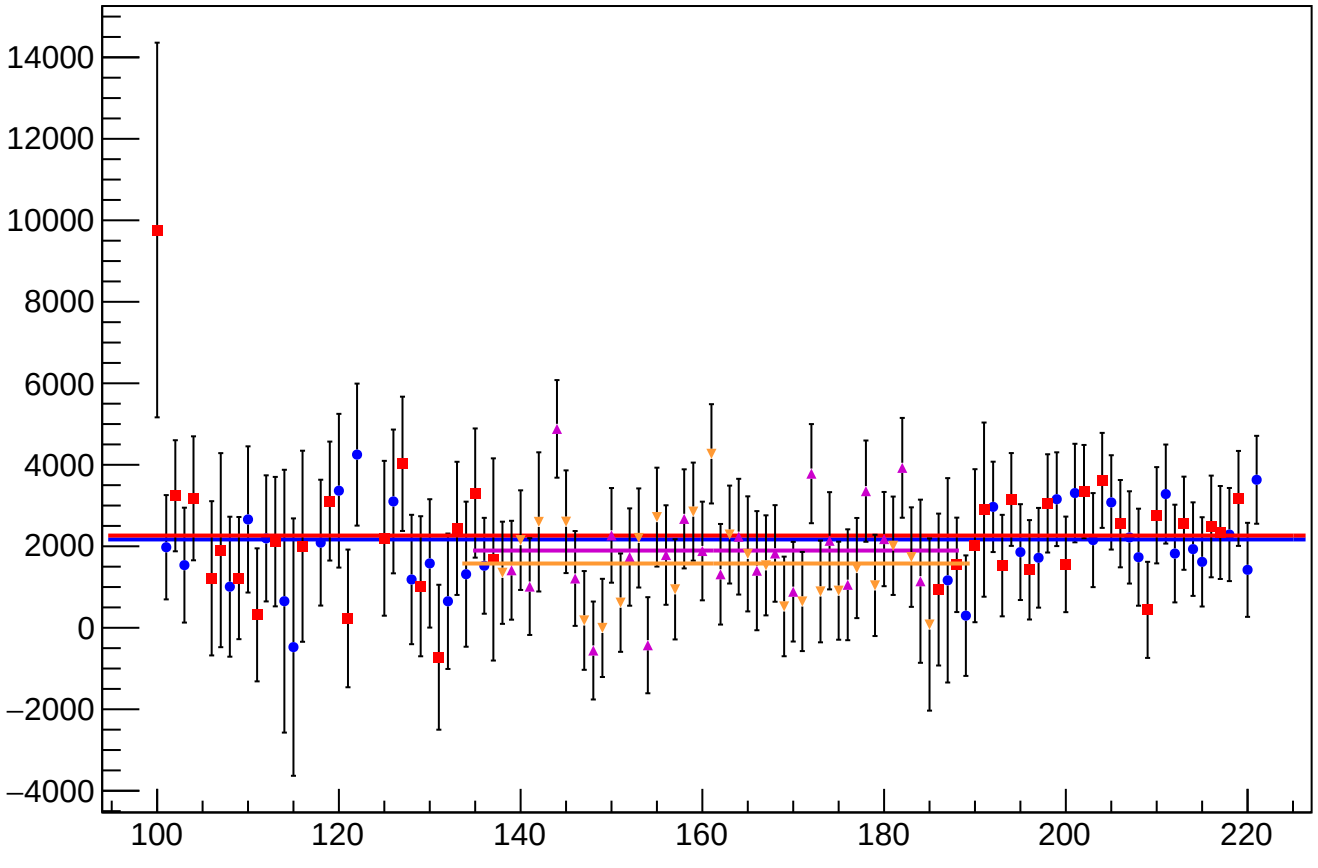
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 872.536+/-0.098 χ^2/NDF: 6691740.2/69

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

Out: 1041.798+/-0.124 χ^2/NDF:8973571.2/59

All: 1016.077+/-0.085 χ^2/NDF: 17851578.4/1



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: 2263.504+/-237.818 χ^2/NDF: 21.4/35

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

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

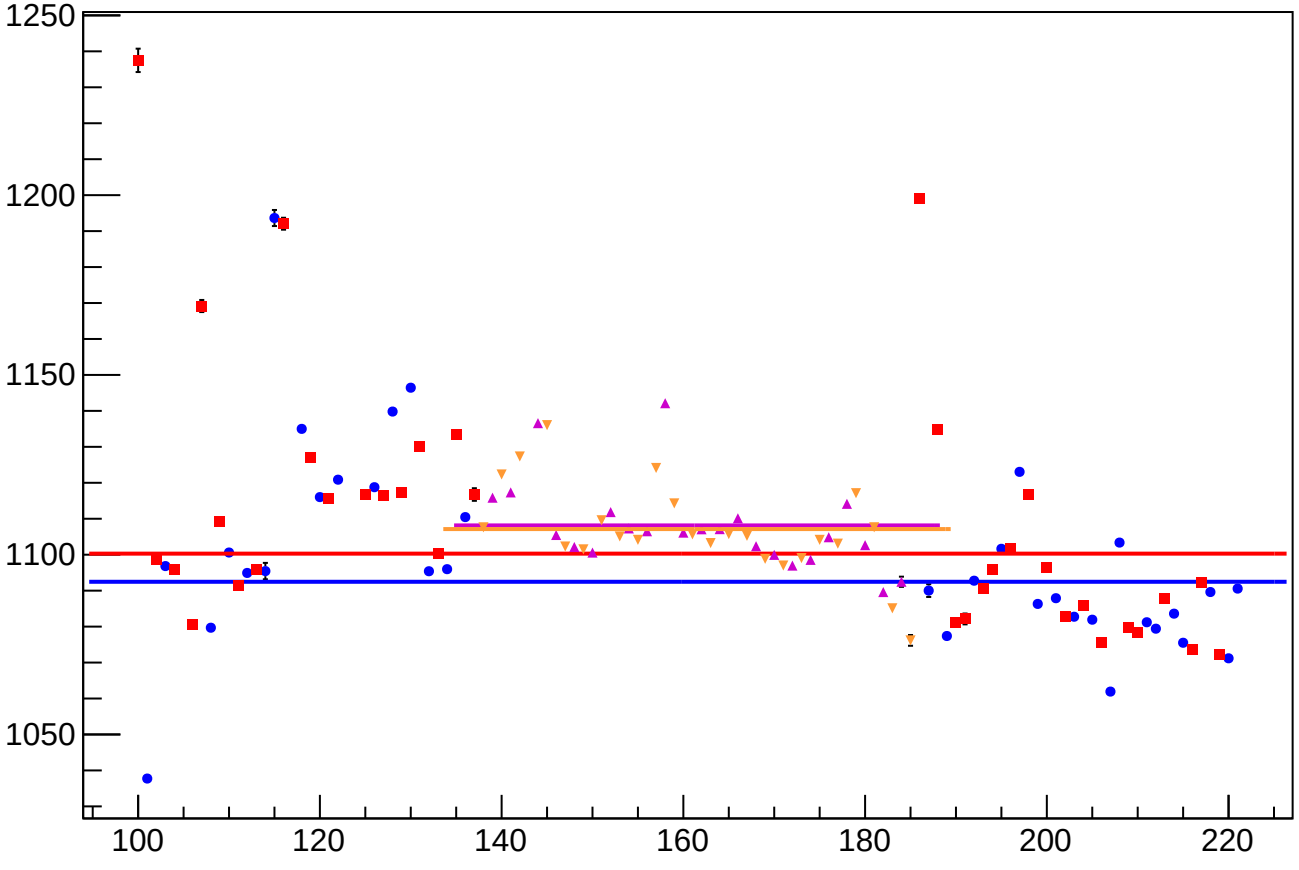
Right: 2214.661+/-166.223 χ^2/NDF: 35.5/69

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

Out: 1947.013+/-174.552 χ^2/NDF:40.8/59

All: 1997.146+/-122.842 χ^2/NDF: 79.6/116

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: 1100.295+/-0.168 χ^2/NDF: 23648.6/35

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

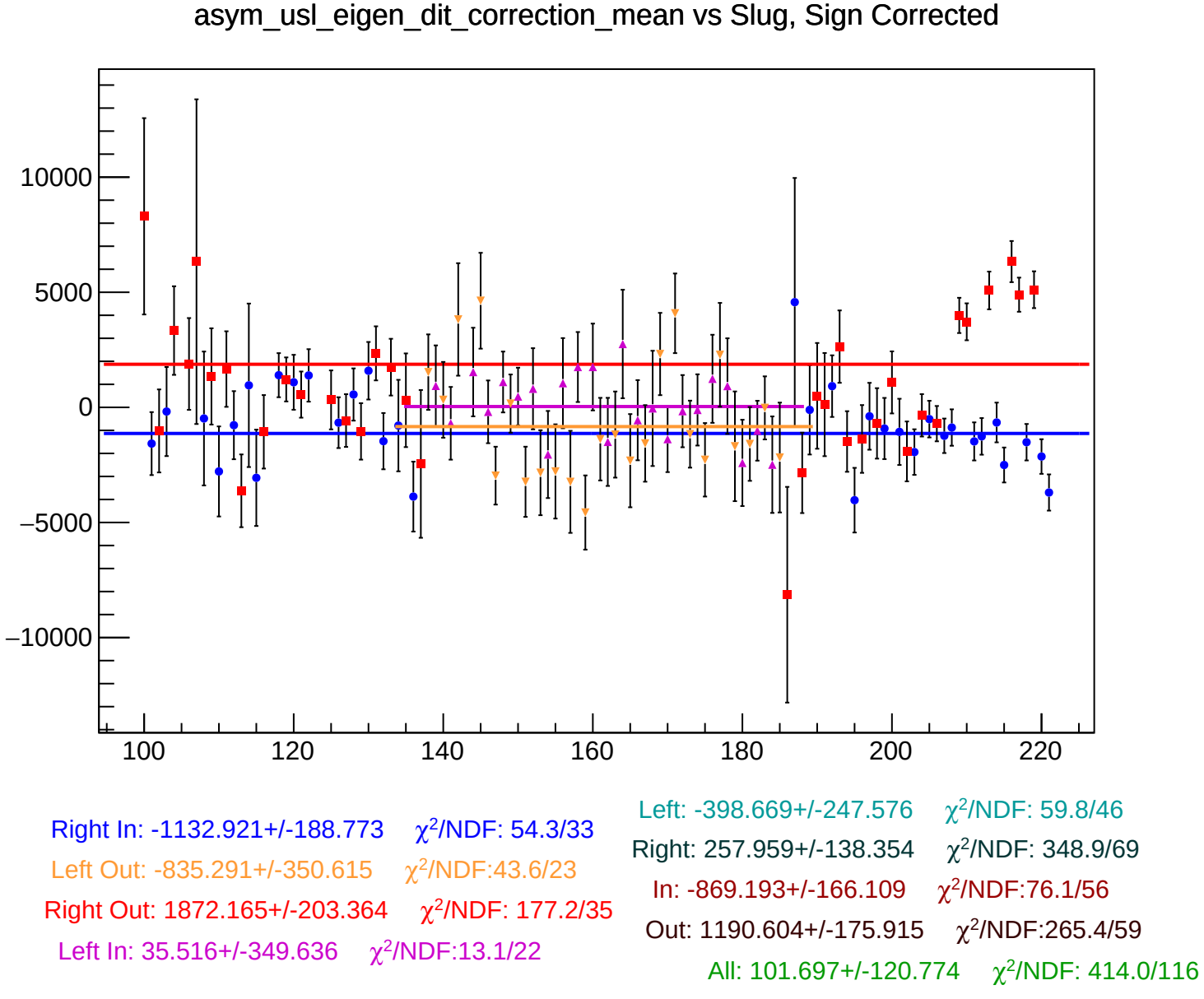
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

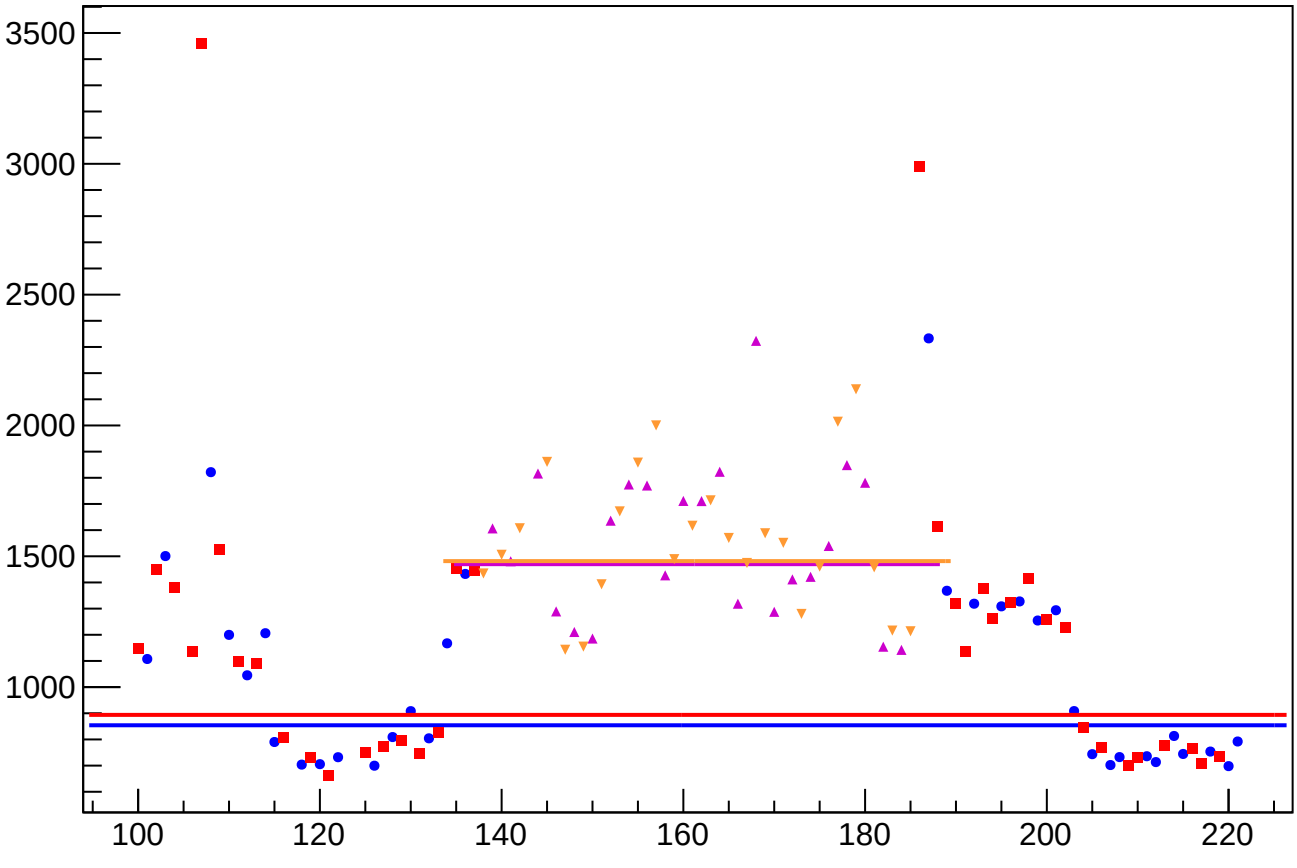
Right: 1096.292+/-0.118 χ^2/NDF: 43358.6/69

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

Out: 1103.446+/-0.123 χ^2/NDF:28193.6/59

All: 1101.439+/-0.087 χ^2/NDF: 55573.5/116


asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1132.921+/-188.773 χ²/NDF: 54.3/33
Left Out: -835.291+/-350.615 χ²/NDF:43.6/23
Right Out: 1872.165+/-203.364 χ²/NDF: 177.2/35
Left In: 35.516+/-349.636 χ²/NDF:13.1/22
Left: -398.669+/-247.576 χ²/NDF: 59.8/46
Right: 257.959+/-138.354 χ²/NDF: 348.9/69
In: -869.193+/-166.109 χ²/NDF:76.1/56
Out: 1190.604+/-175.915 χ²/NDF:265.4/59
All: 101.697+/-120.774 χ²/NDF: 414.0/116



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: 893.856+/-0.144 χ^2/NDF: 3751588.7/35

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

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

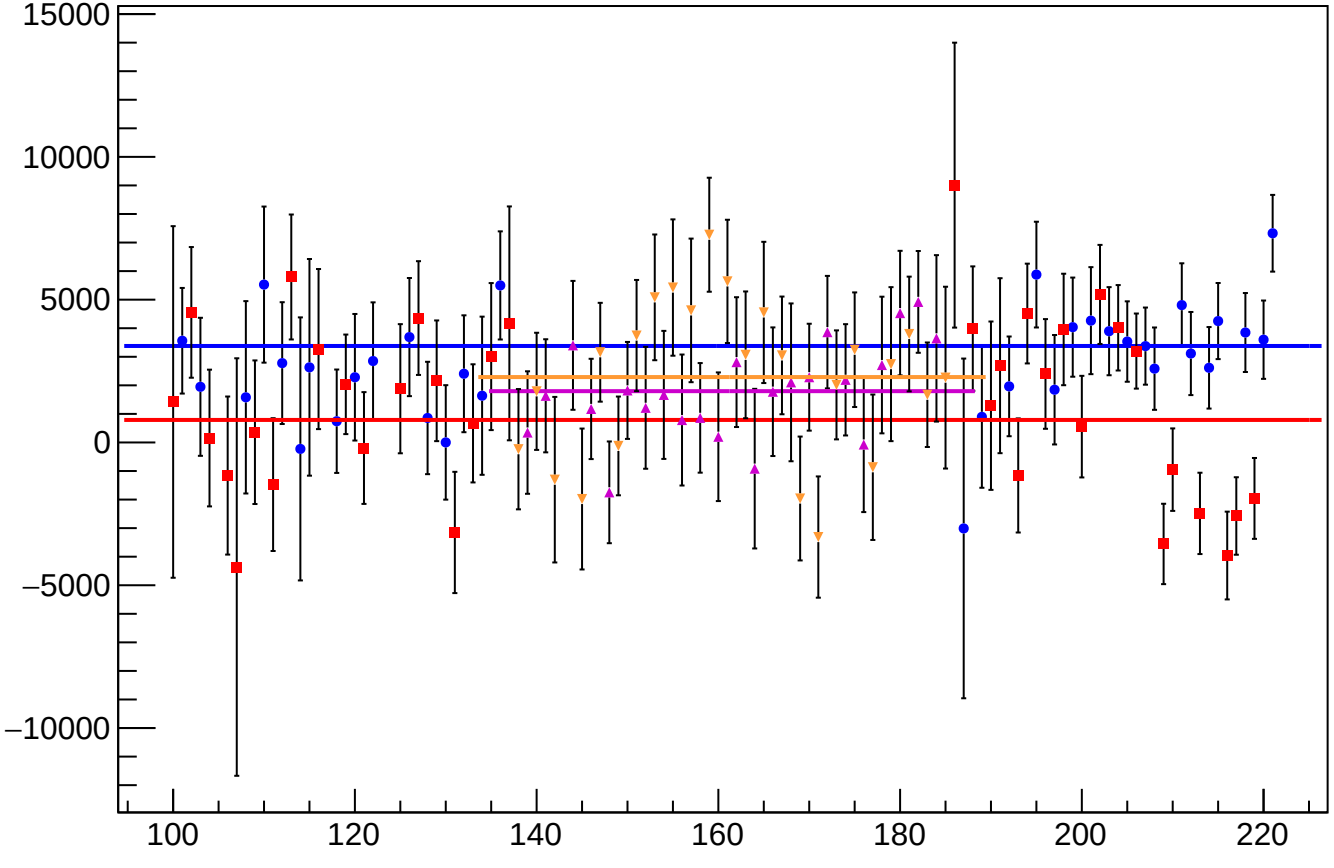
Right: 872.536+/-0.098 χ^2/NDF: 6691737.7/69

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

Out: 1041.798+/-0.124 χ^2/NDF:8973588.4/59

All: 1016.077+/-0.085 χ^2/NDF: 17851611.2/1

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: 788.457+/-327.037 χ^2/NDF: 84.6/35

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

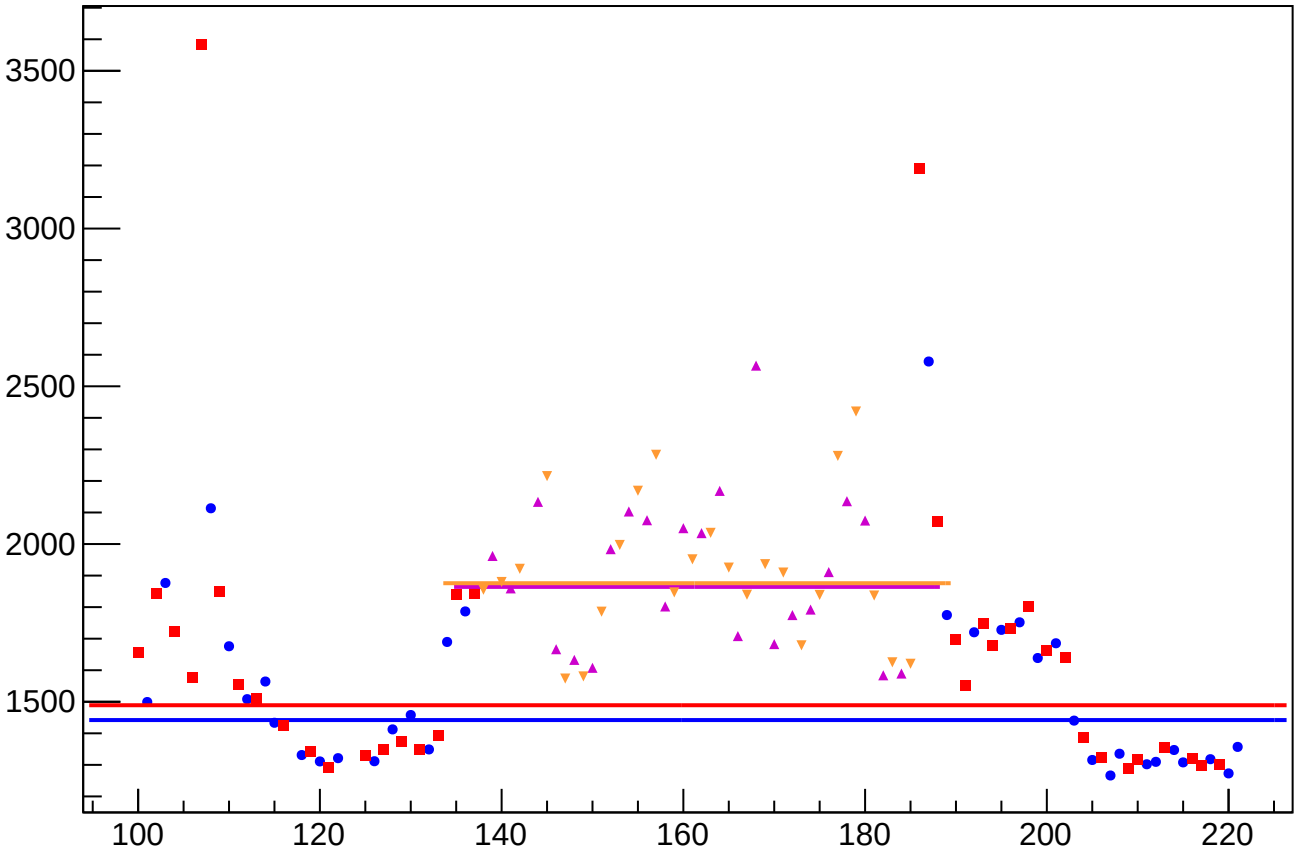
Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

Right: 2153.113+/-224.947 χ^2/NDF: 145.0/69

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

Out: 1323.733+/-262.333 χ^2/NDF:128.1/59

All: 2115.192+/-182.183 χ^2/NDF: 195.9/116



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: 1489.028+/-0.231 χ^2/NDF: 1189579.5/35

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

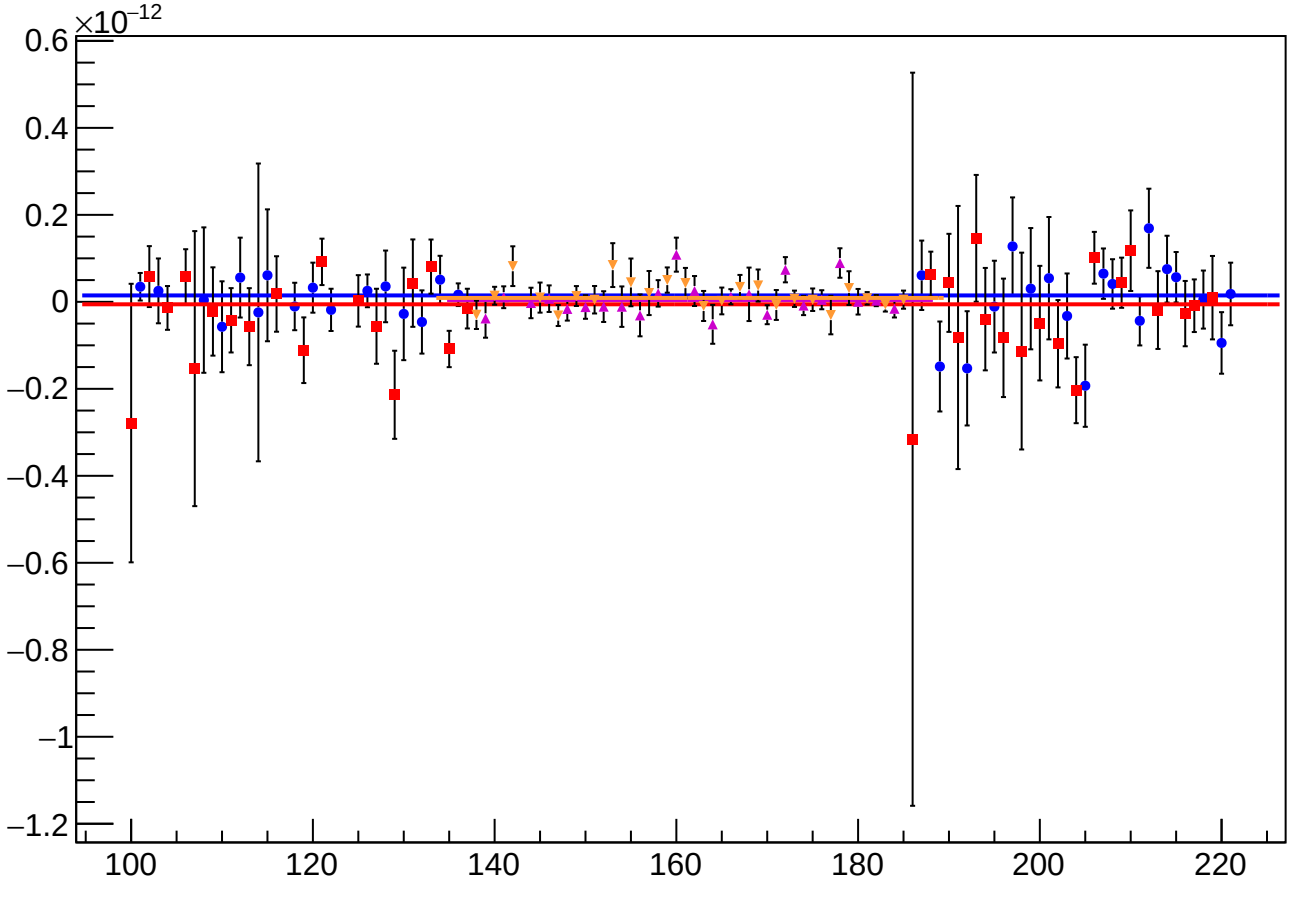
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1464.262+/-0.159 χ^2/NDF: 1990360.3/69

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

Out: 1626.940+/-0.185 χ^2/NDF:2659642.4/59

All: 1603.861+/-0.129 χ^2/NDF: 5212869.9/11



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: 39.1/35

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

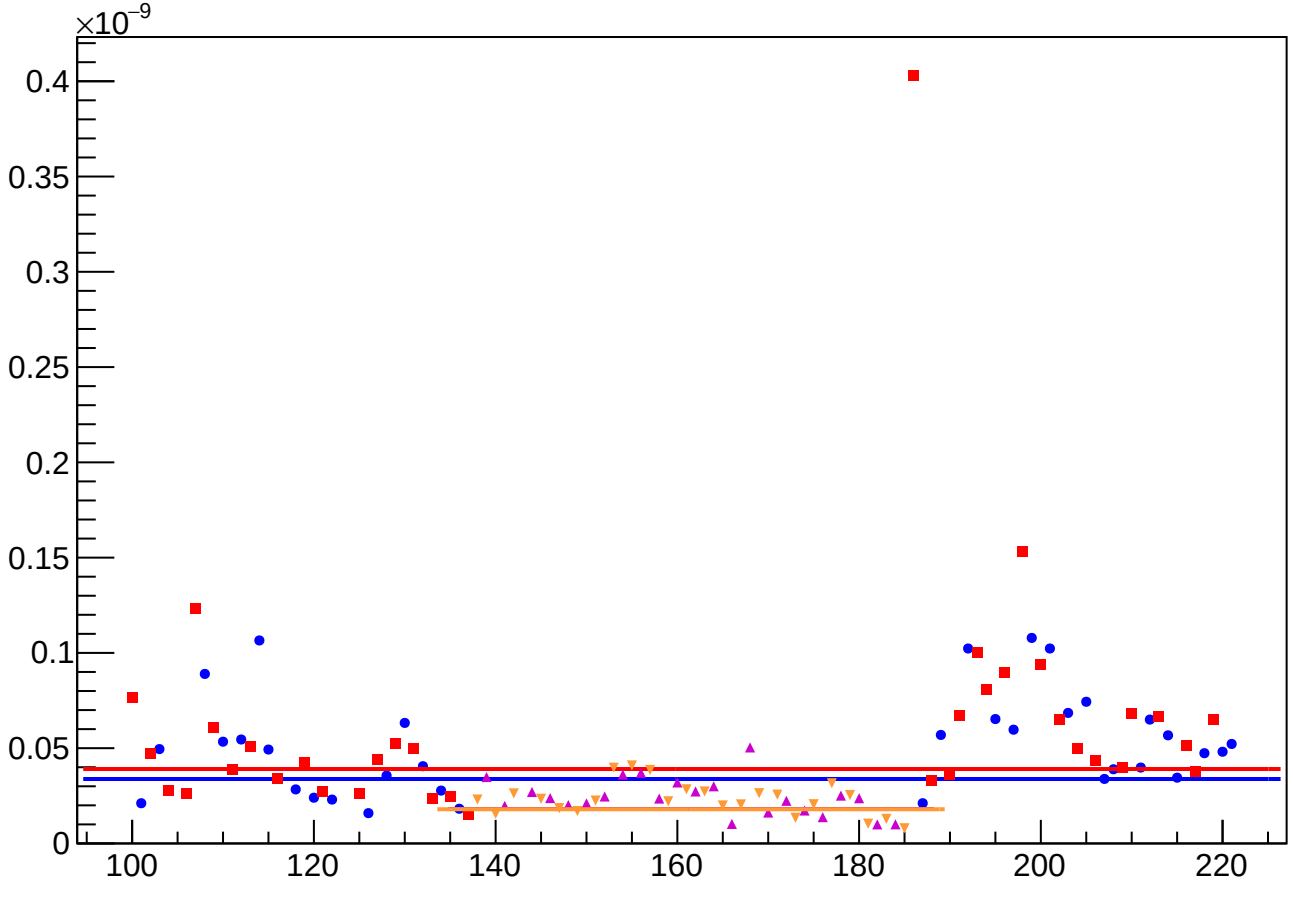
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 63.2/69

In: 0.000+/-0.000 χ^2/NDF:51.4/56

Out: 0.000+/-0.000 χ^2/NDF:56.8/59

All: 0.000+/-0.000 χ^2/NDF: 108.2/116



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: 4618401.8/35

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

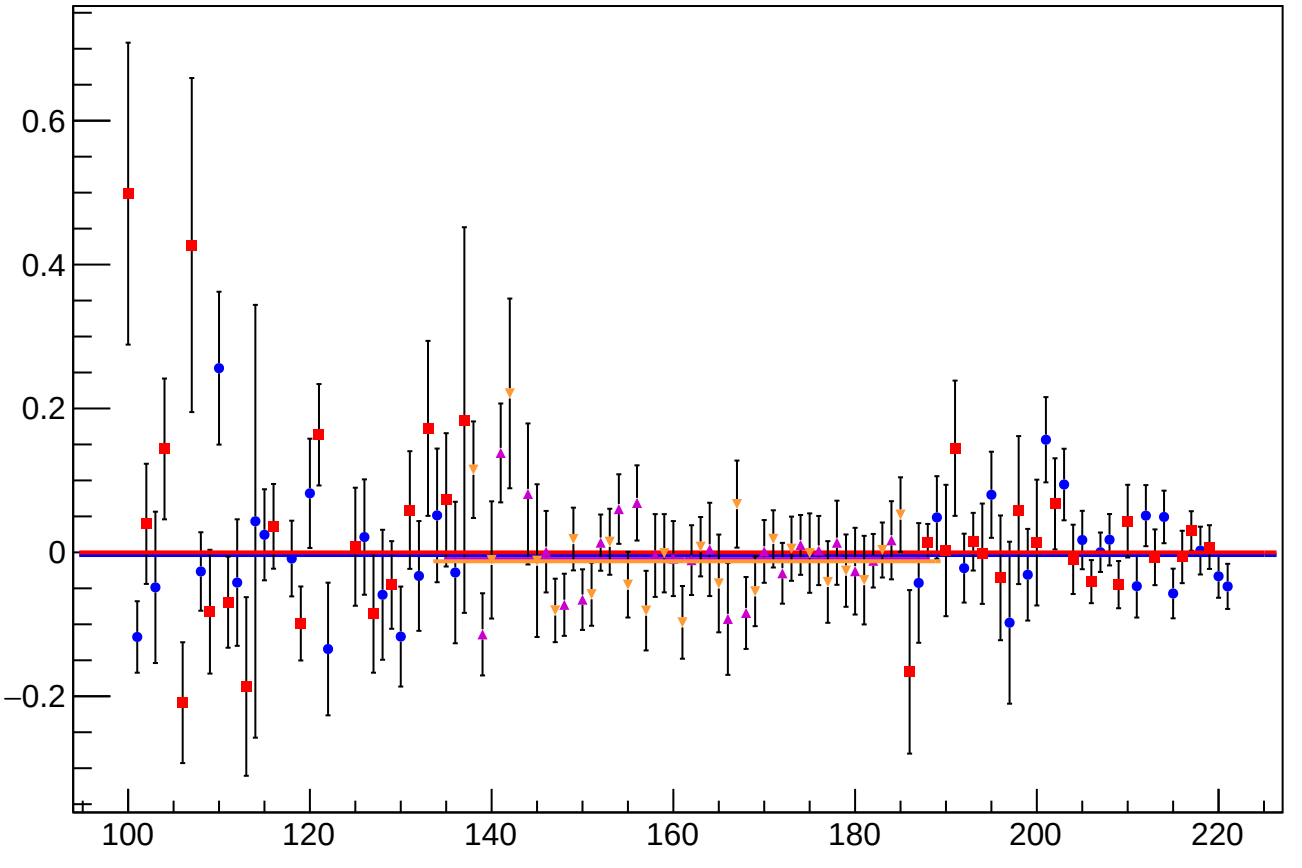
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10652210.5/69

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

Out: 0.000+/-0.000 χ^2/NDF:12794828.4/59

All: 0.000+/-0.000 χ^2/NDF: 26139380.7/116



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: -0.000+/-0.009 χ^2/NDF: 49.0/35

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

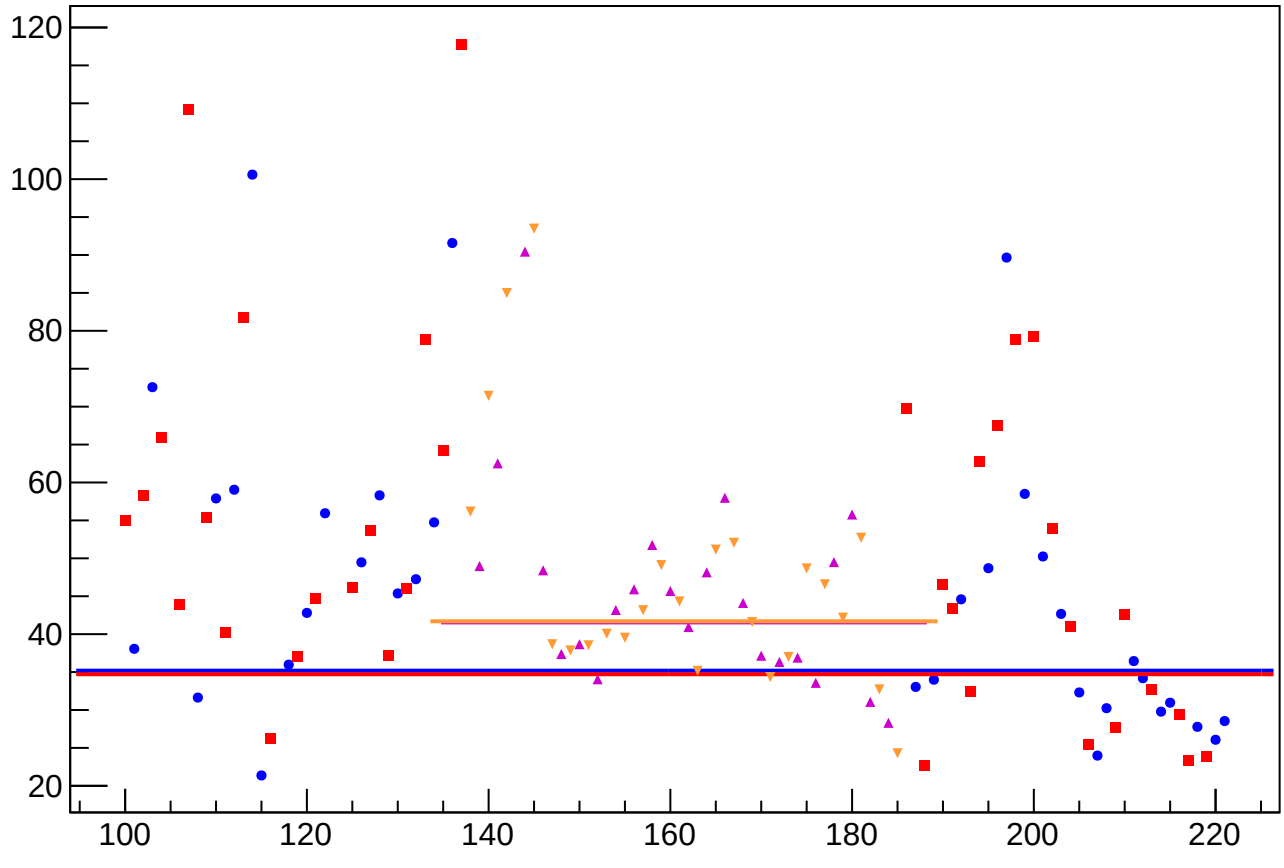
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.002+/-0.006 χ^2/NDF: 94.0/69

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.006+/-0.005 χ^2/NDF: 138.7/116



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: 34.716+/-0.006 χ^2/NDF: 5314076.9/35

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

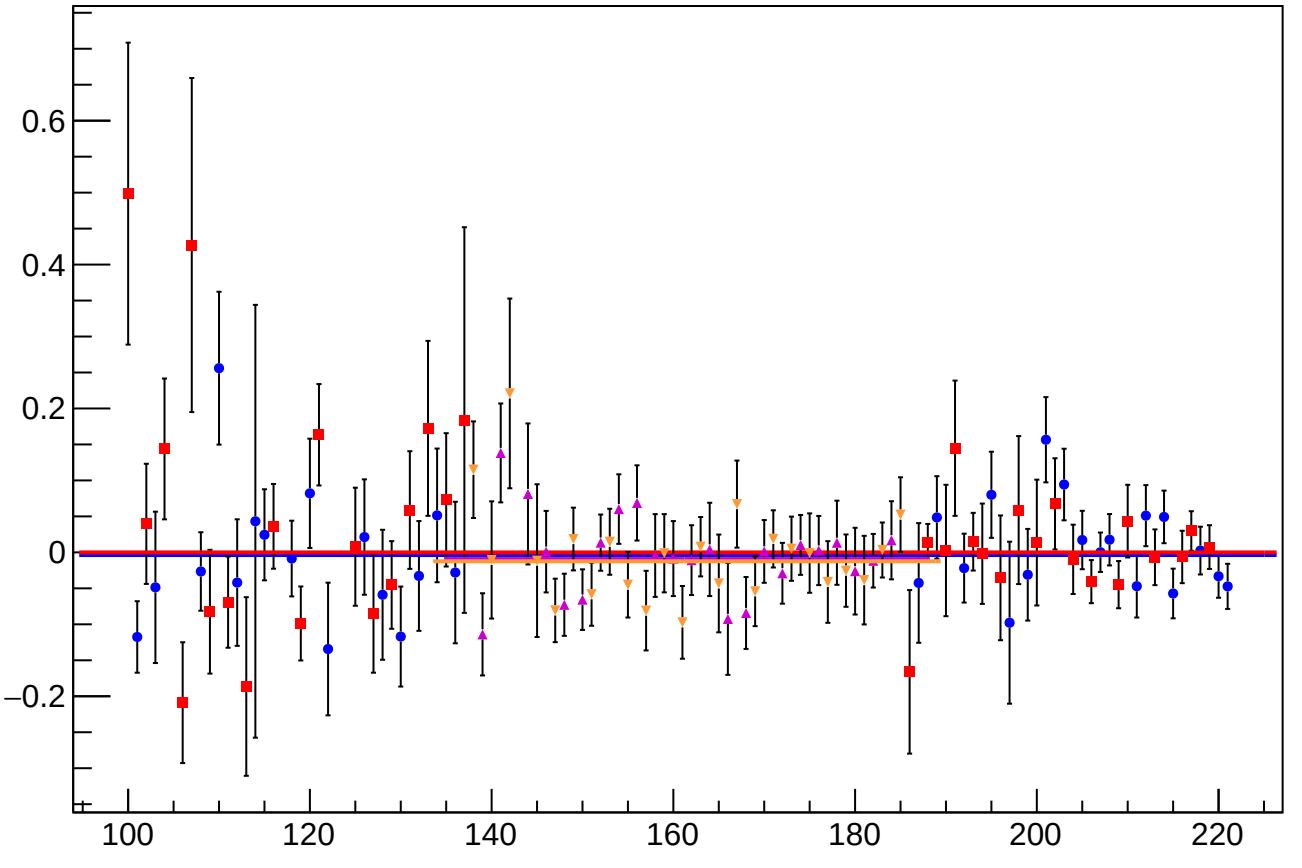
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 34.958+/-0.004 χ^2/NDF: 9095036.9/69

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

Out: 37.646+/-0.005 χ^2/NDF:7649082.2/59

All: 37.701+/-0.003 χ^2/NDF: 13480580.9/116



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: -0.000+/-0.009 χ^2/NDF: 49.0/35

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

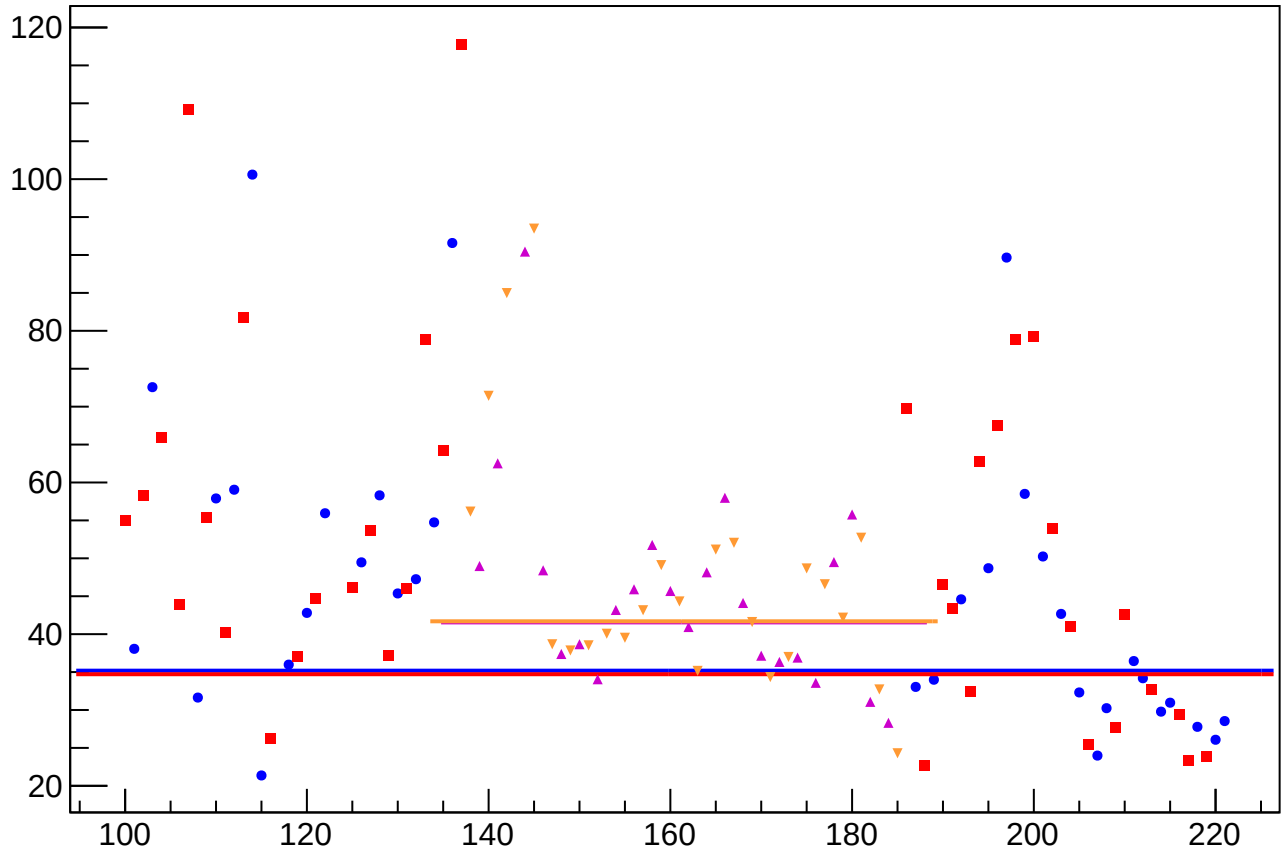
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.002+/-0.006 χ^2/NDF: 94.0/69

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.006+/-0.005 χ^2/NDF: 138.7/116



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: 34.716+/-0.006 χ^2/NDF: 5314076.9/35

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

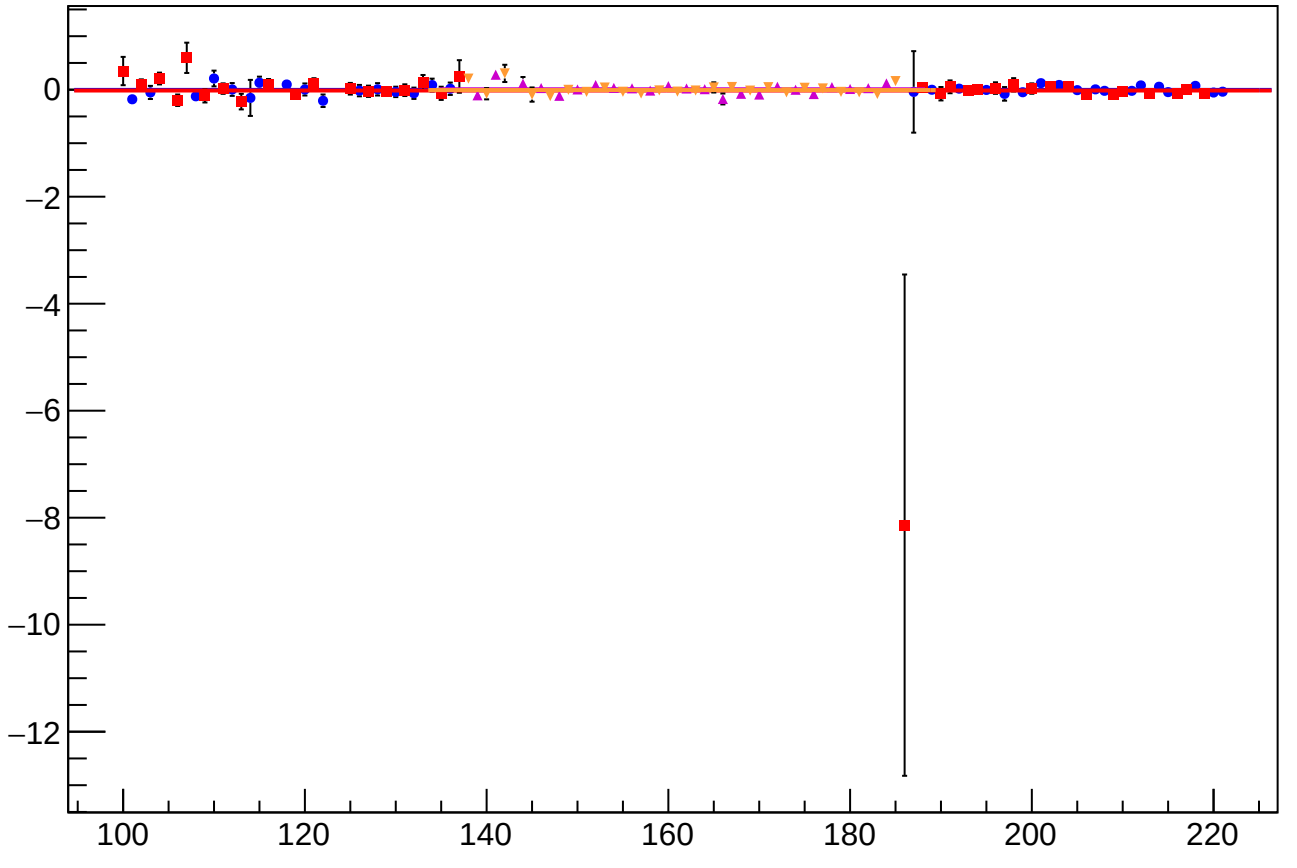
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 34.958+/-0.004 χ^2/NDF: 9095036.9/69

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

Out: 37.646+/-0.005 χ^2/NDF:7649082.2/59

All: 37.701+/-0.003 χ^2/NDF: 13480580.9/116



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: -0.015+/-0.014 χ^2/NDF: 39.3/35

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

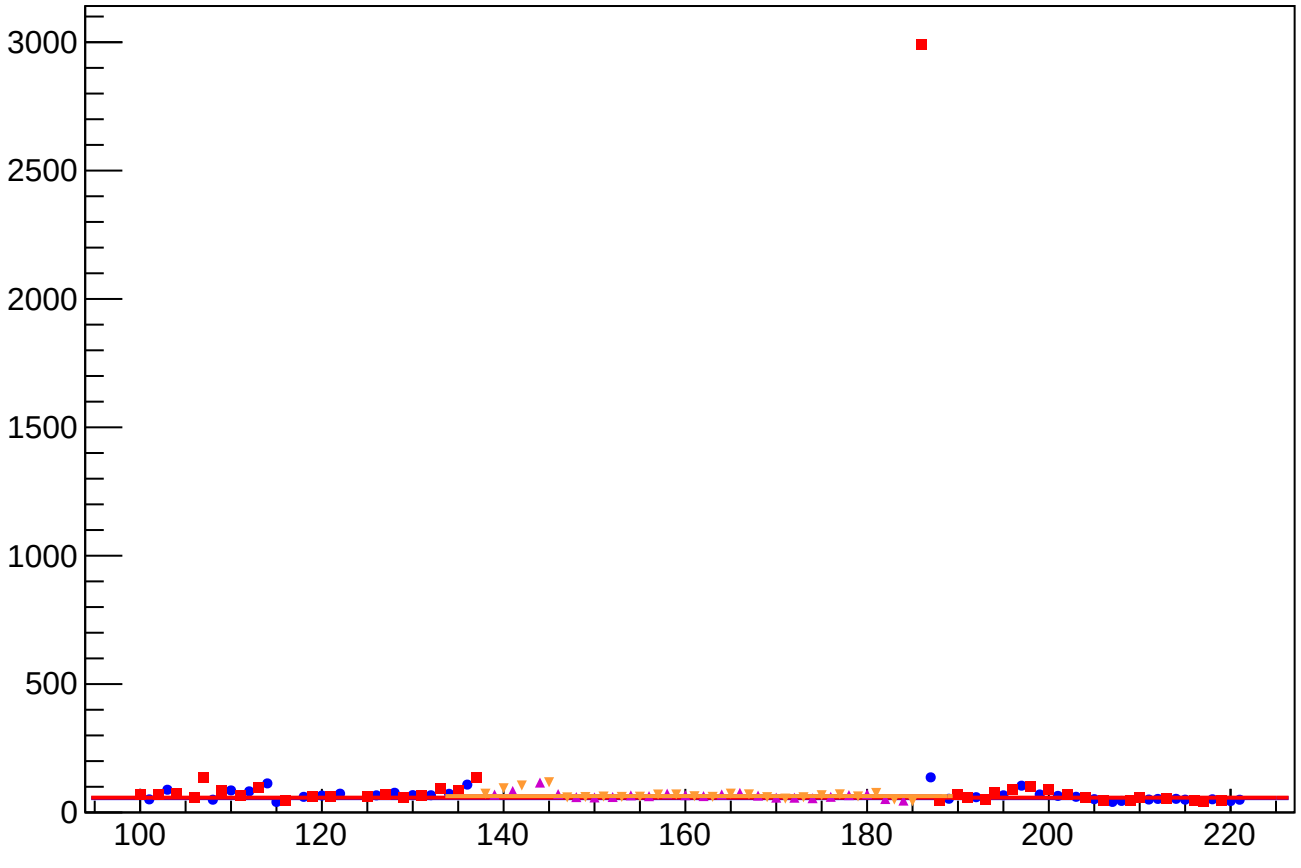
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.009+/-0.009 χ^2/NDF: 71.1/69

In: 0.001+/-0.010 χ^2/NDF:59.9/56

Out: -0.012+/-0.010 χ^2/NDF:63.1/59

All: -0.005+/-0.007 χ^2/NDF: 123.8/116



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: 57.624+/-0.010 χ^2/NDF: 3173784.3/35

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

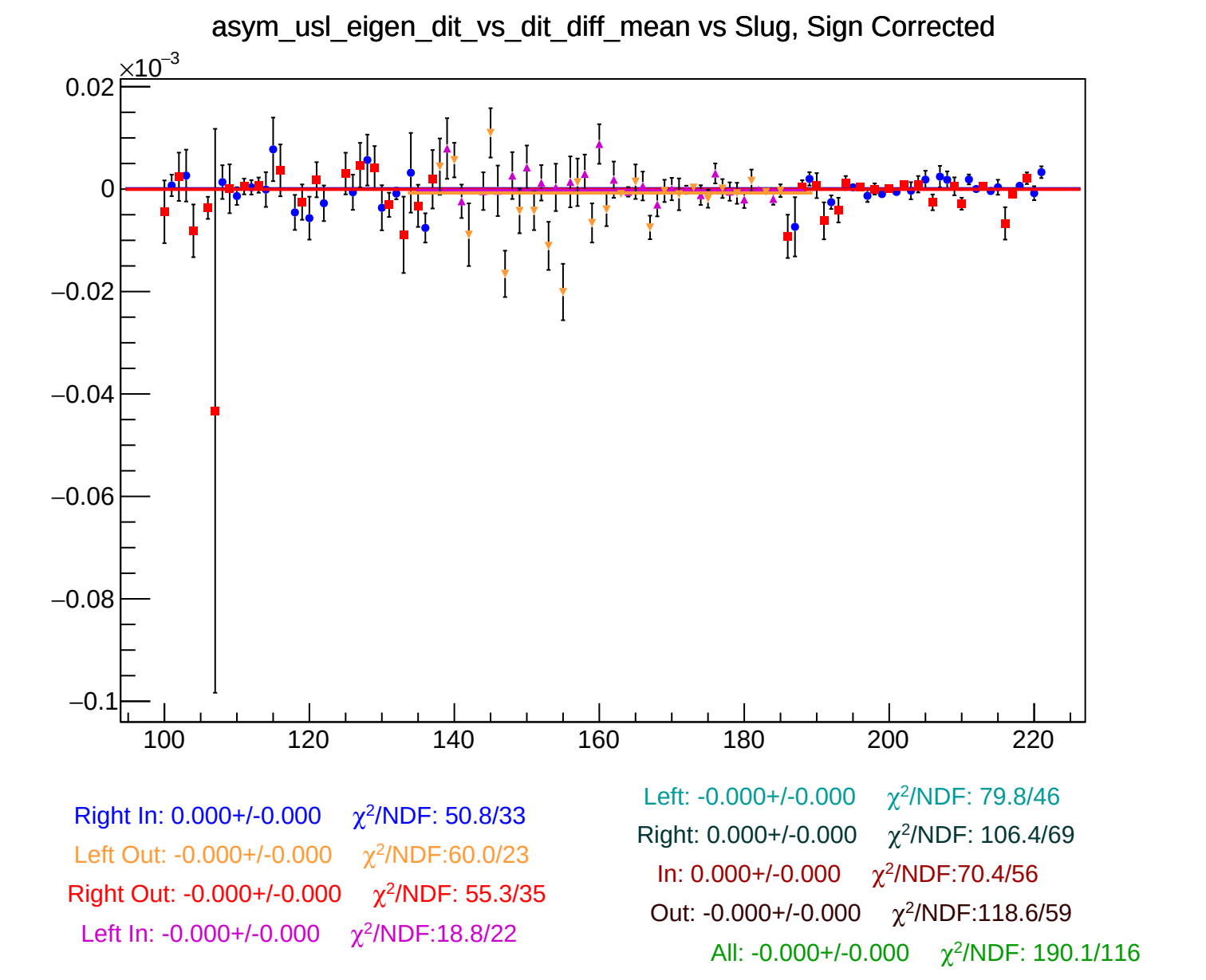
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

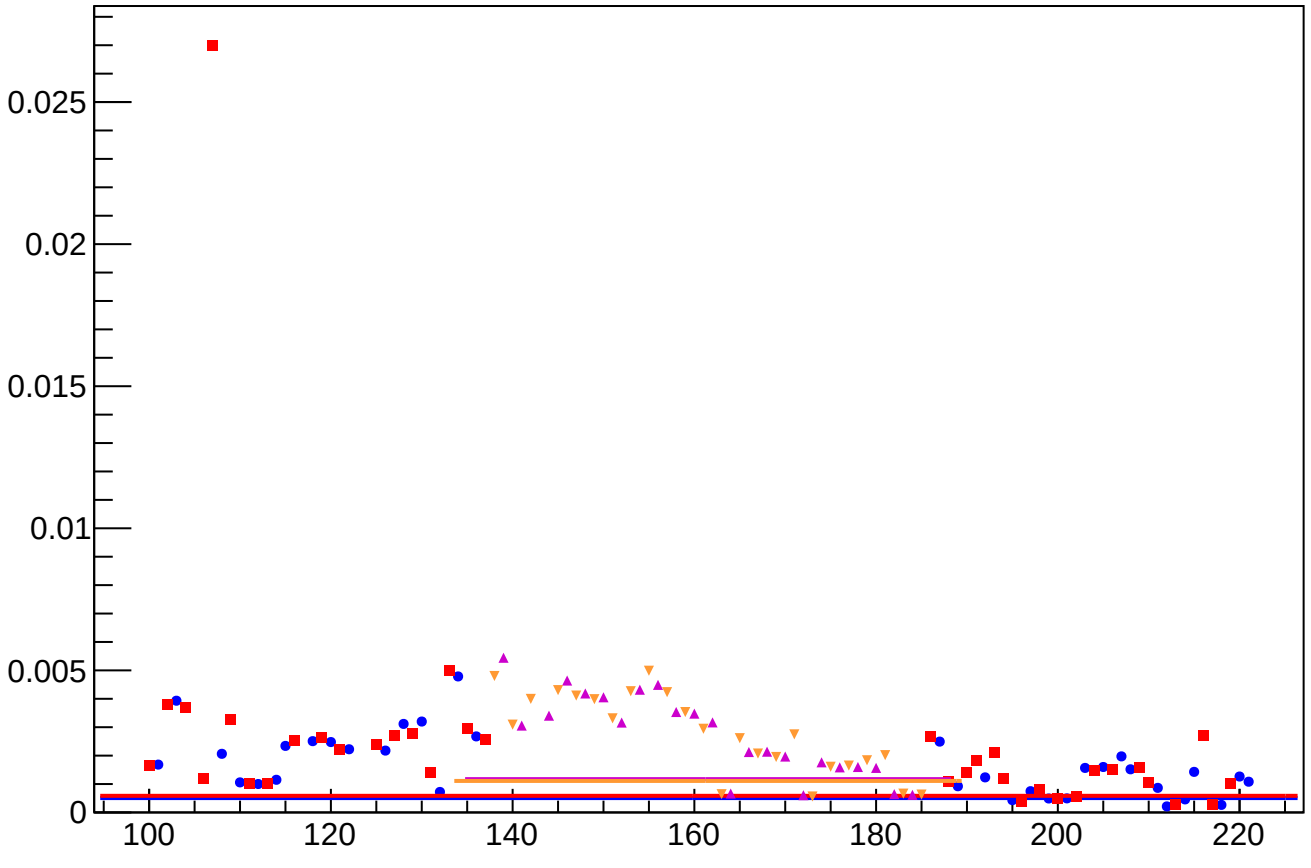
Right: 56.620+/-0.007 χ^2/NDF: 5278916.4/69

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

Out: 60.320+/-0.007 χ^2/NDF:4431962.1/59

All: 59.688+/-0.005 χ^2/NDF: 7712003.7/116


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: 55.3/35
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: 106.4/69
In: 0.000+/-0.000 χ²/NDF:70.4/56
Out: -0.000+/-0.000 χ²/NDF:118.6/59
All: -0.000+/-0.000 χ²/NDF: 190.1/116



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: 17136999.5/35

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

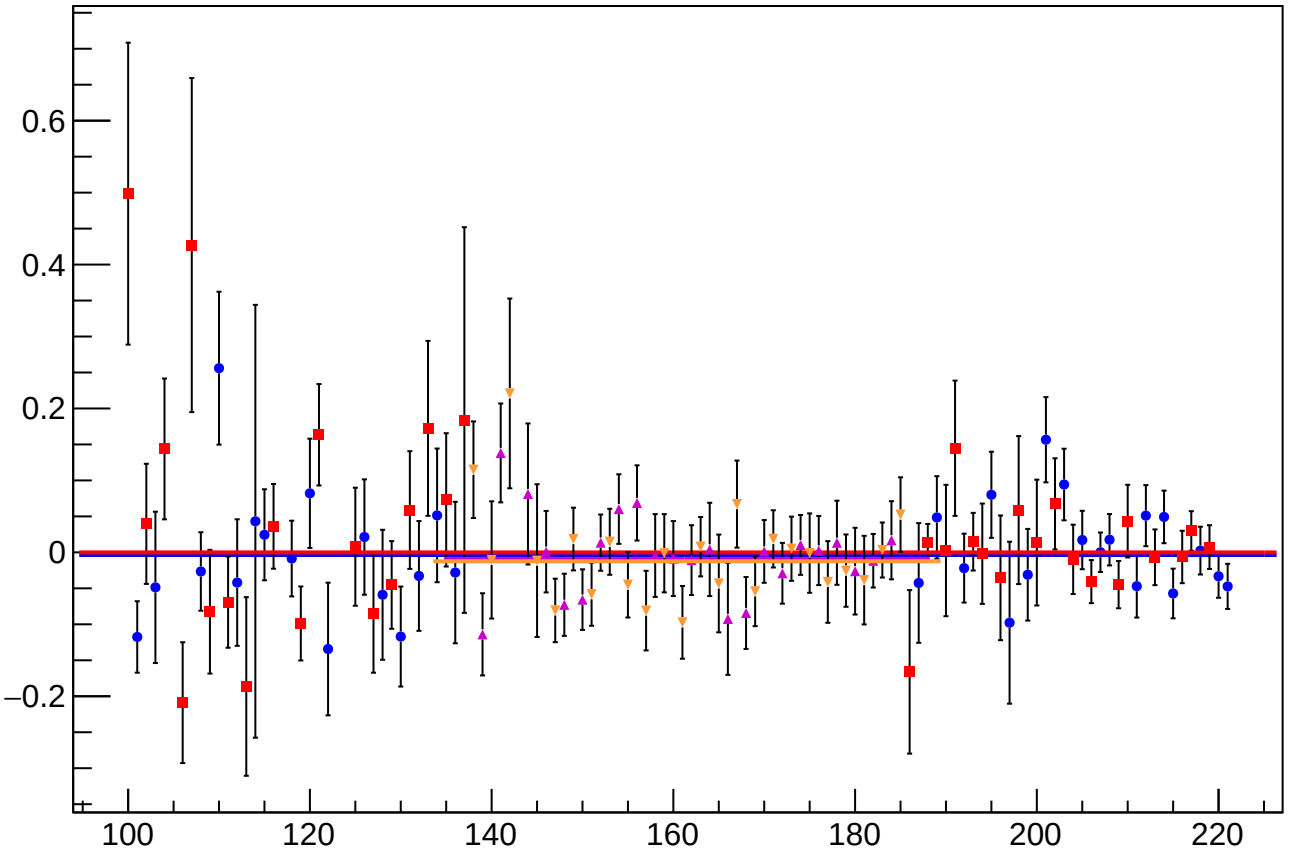
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 35217711.7/69

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

Out: 0.001+/-0.000 χ^2/NDF:35972028.4/59

All: 0.001+/-0.000 χ^2/NDF: 74338161.9/116



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: -0.000+/-0.009 χ^2/NDF: 49.0/35

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

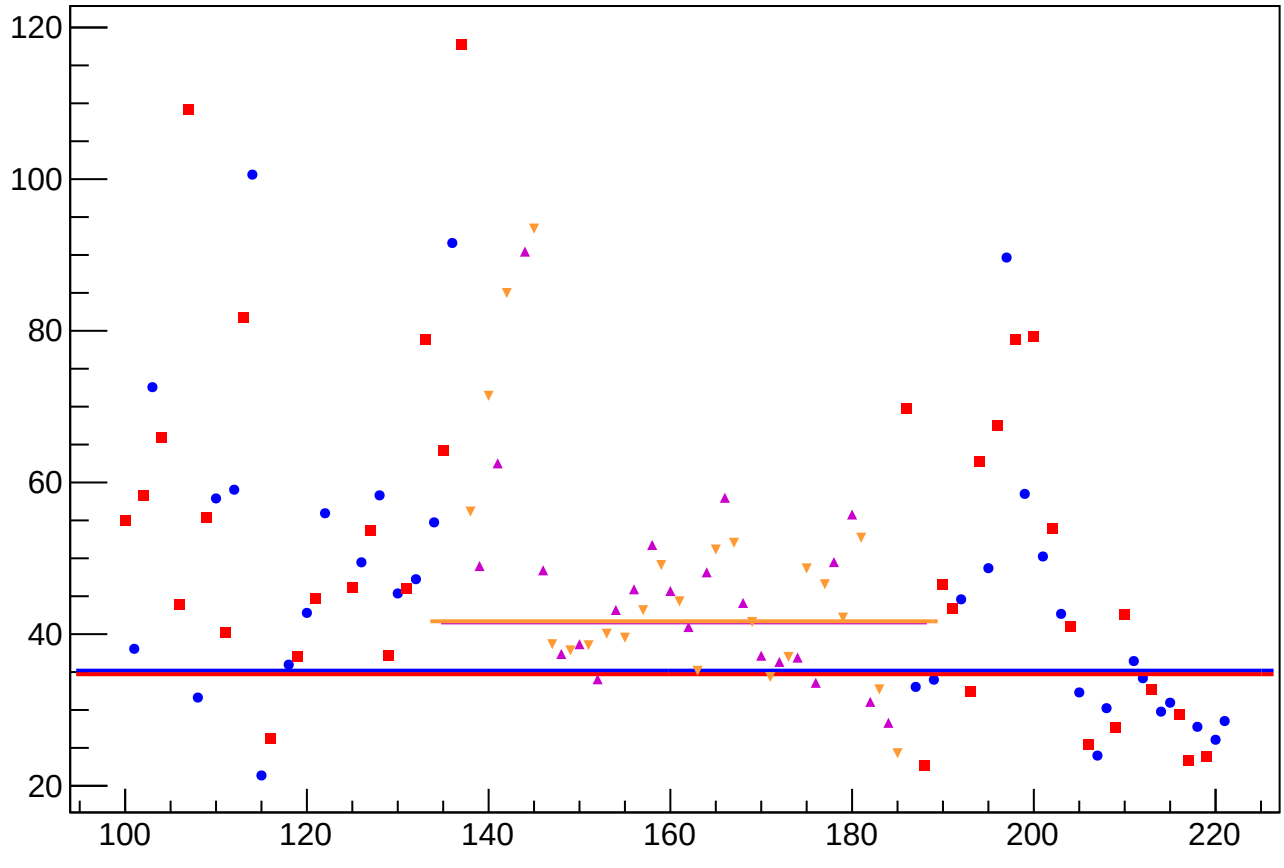
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.002+/-0.006 χ^2/NDF: 94.0/69

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.006+/-0.005 χ^2/NDF: 138.7/116



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: 34.716+/-0.006 χ^2/NDF: 5313905.6/35

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

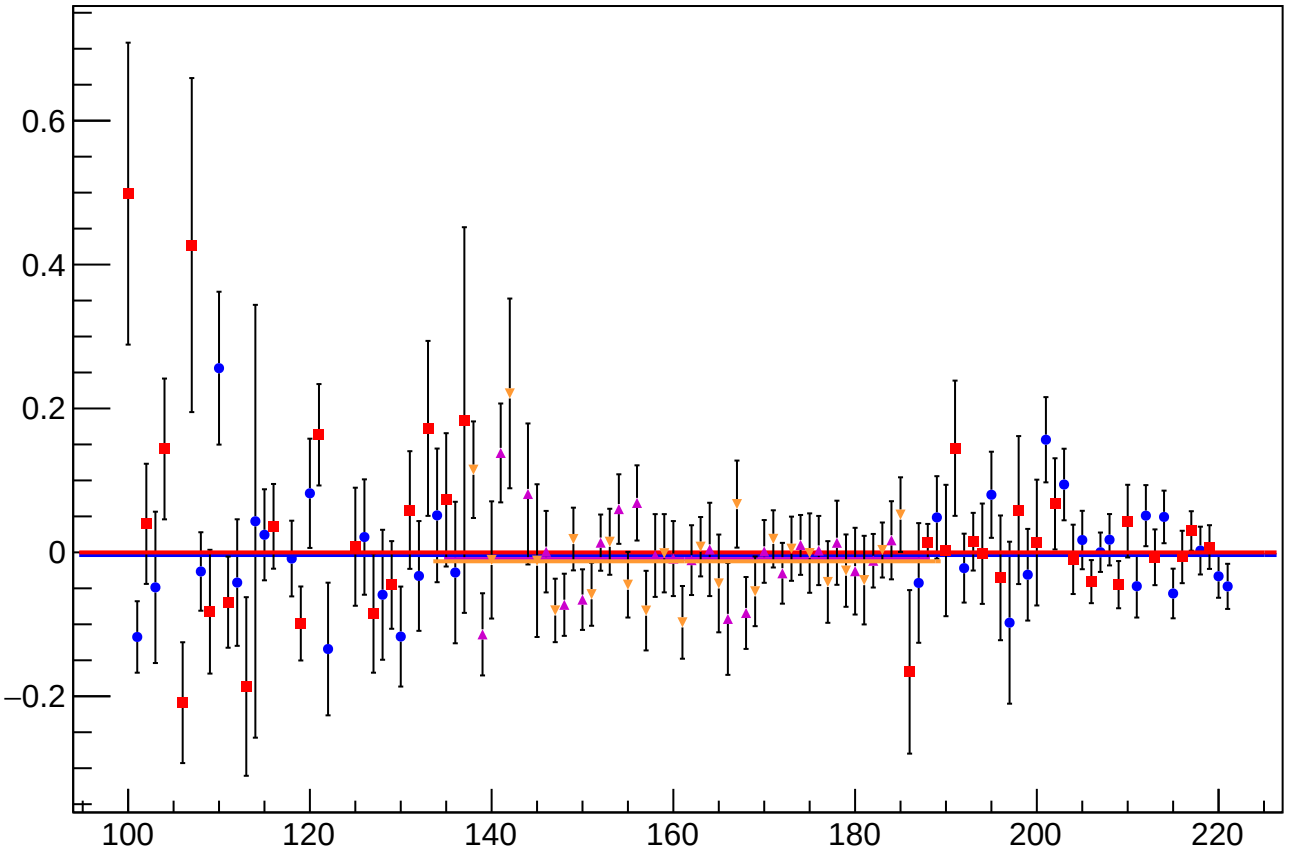
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 34.958+/-0.004 χ^2/NDF: 9094833.1/69

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

Out: 37.646+/-0.005 χ^2/NDF:7648876.2/59

All: 37.701+/-0.003 χ^2/NDF: 13480362.7/116



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: -0.000+/-0.009 χ^2/NDF: 49.0/35

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

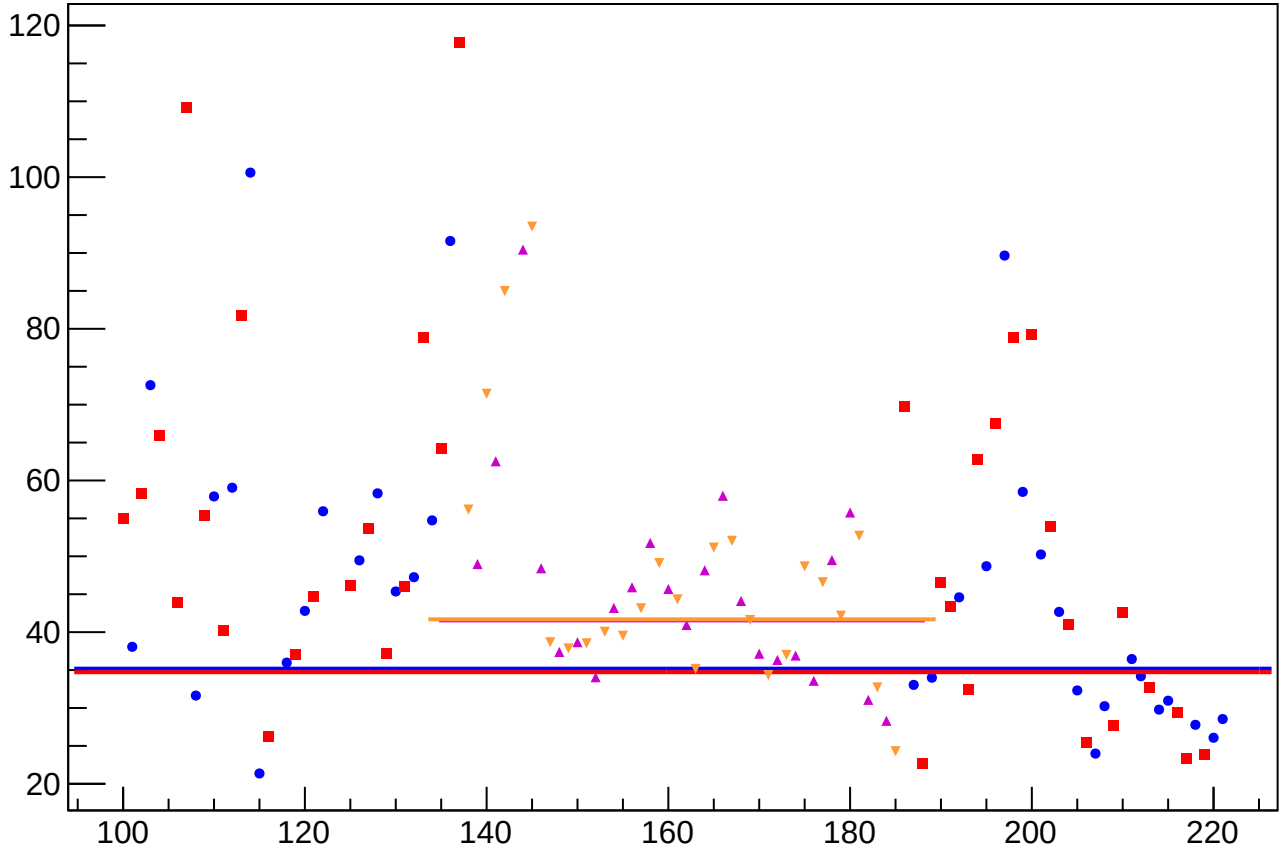
Right: -0.002+/-0.006 χ^2/NDF: 94.0/69

In: -0.006+/-0.007 χ^2/NDF:67.0/56

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.006+/-0.005 χ^2/NDF: 138.7/116

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: 34.716+/-0.006 χ^2/NDF: 5313905.6/35

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

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

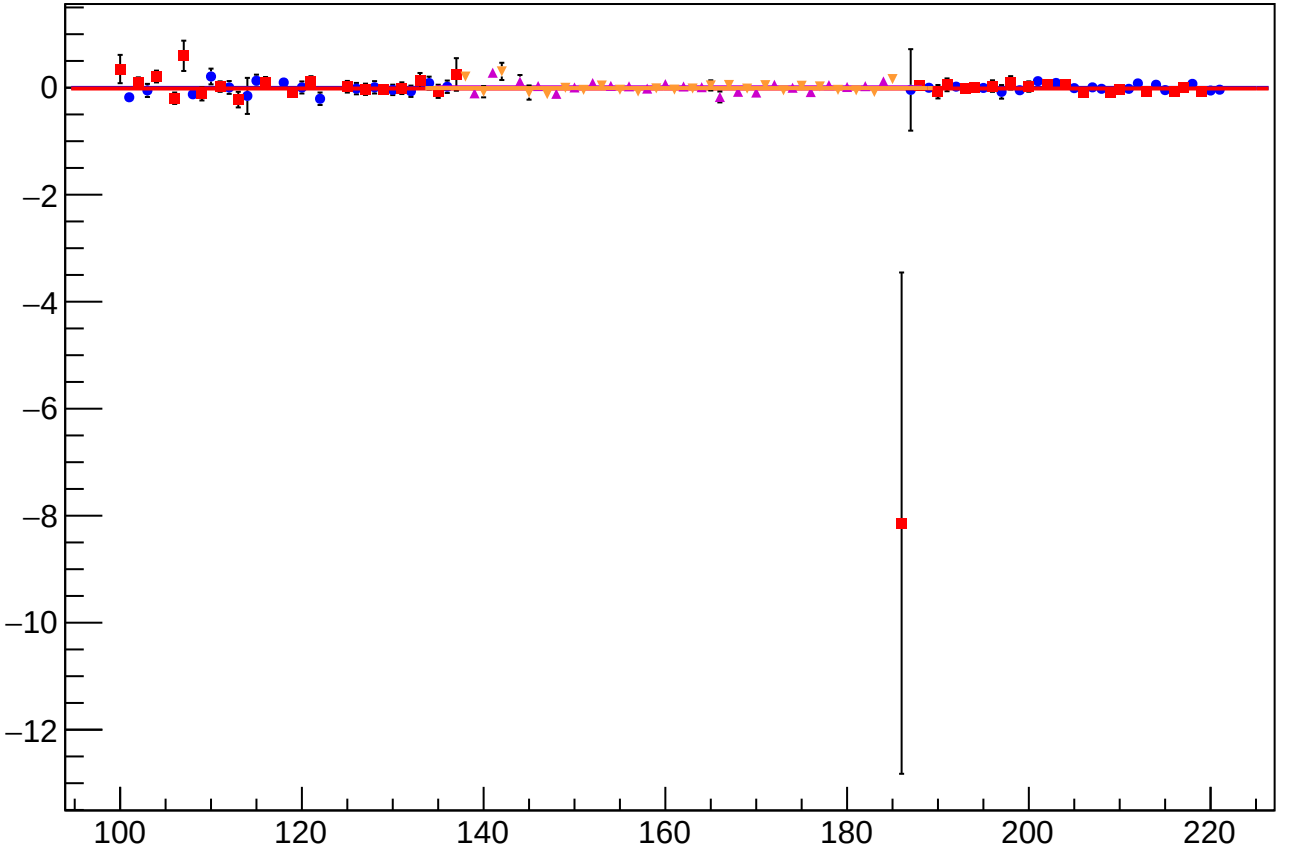
Right: 34.958+/-0.004 χ^2/NDF: 9094833.1/69

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

Out: 37.646+/-0.005 χ^2/NDF:7648876.2/59

All: 37.701+/-0.003 χ^2/NDF: 13480362.7/116

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: -0.015+/-0.014 χ^2/NDF: 39.3/35

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

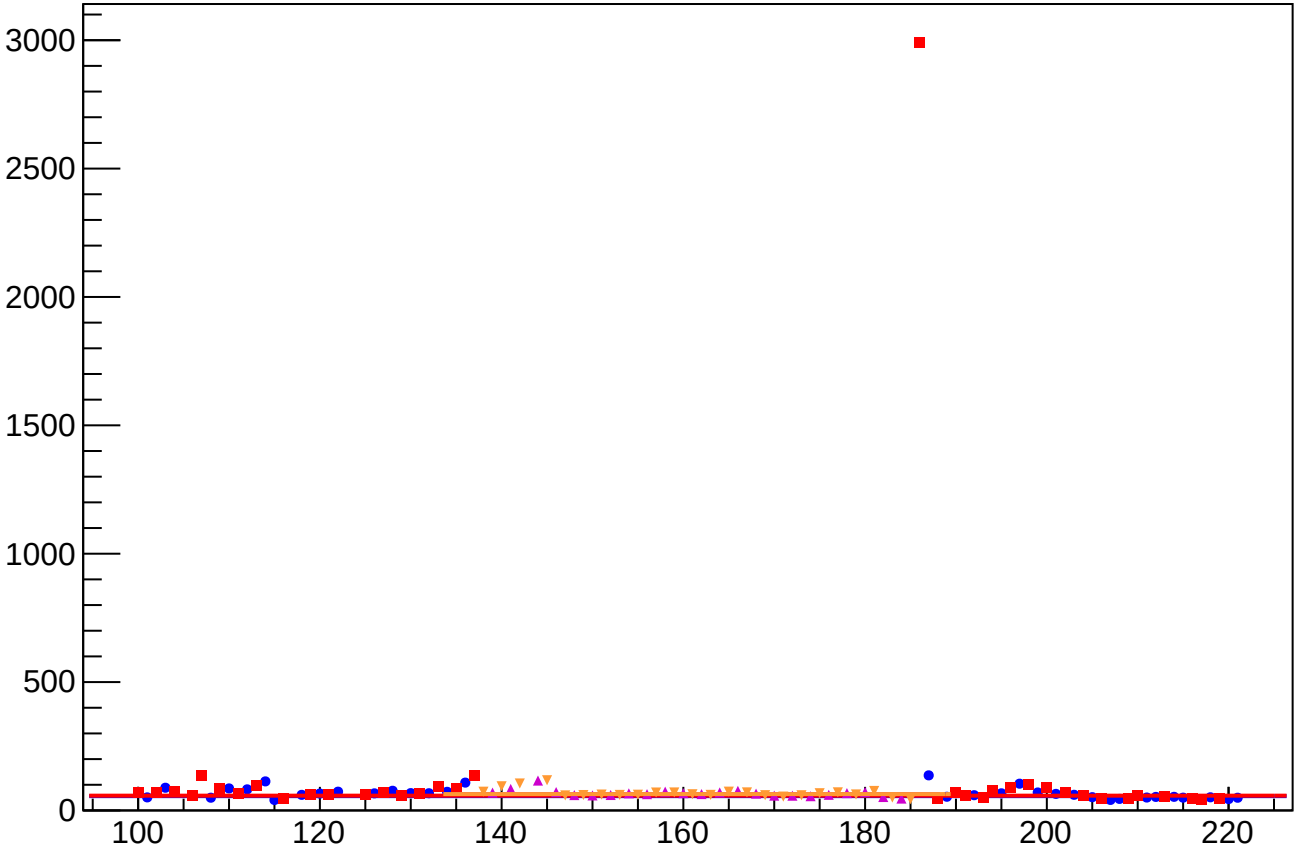
Right: -0.009+/-0.009 χ^2/NDF: 71.1/69

In: 0.001+/-0.010 χ^2/NDF:59.9/56

Out: -0.012+/-0.010 χ^2/NDF:63.1/59

All: -0.005+/-0.007 χ^2/NDF: 123.8/116

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: 57.624+/-0.010 χ^2/NDF: 3173762.4/35

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

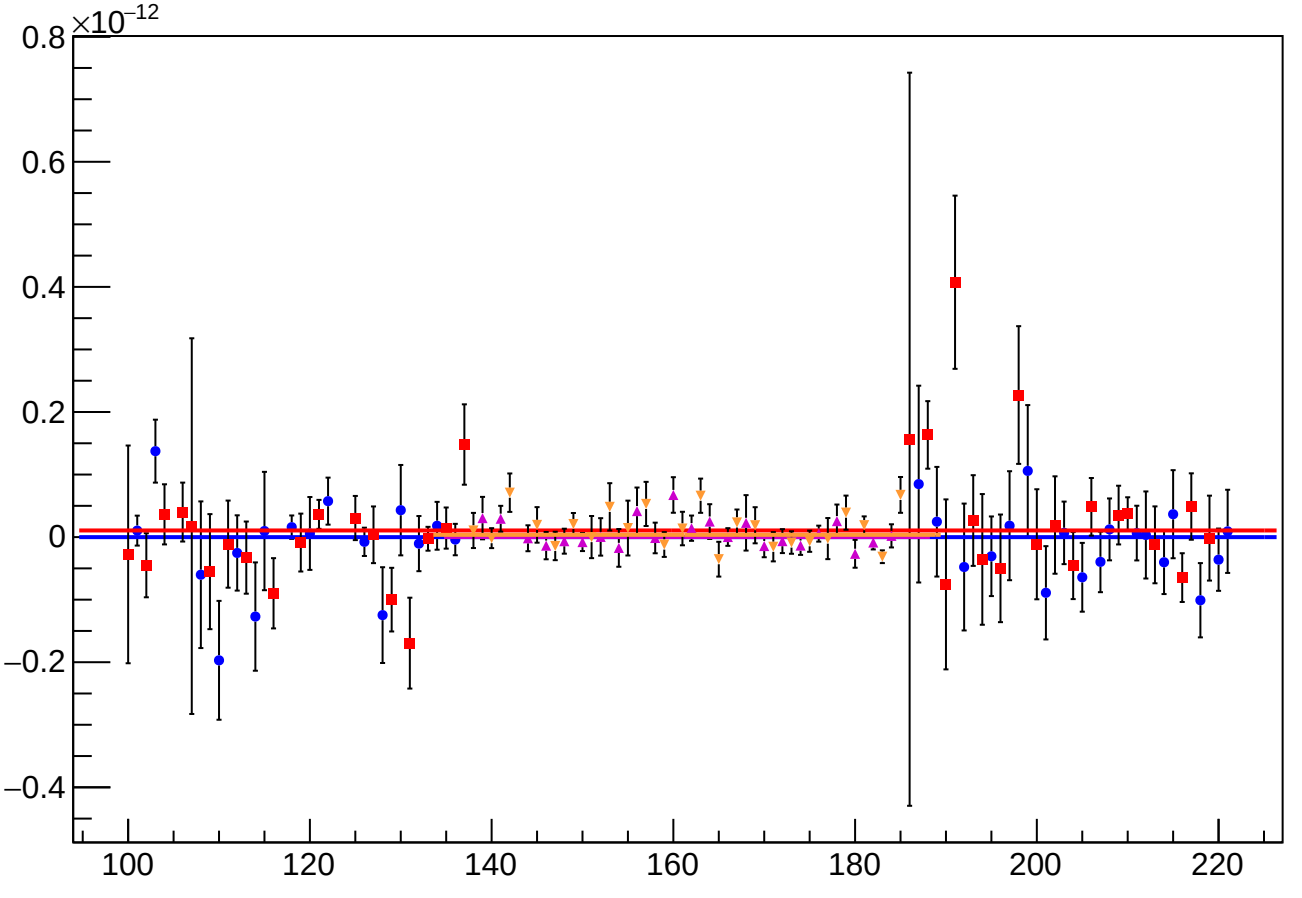
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 56.620+/-0.007 χ^2/NDF: 5278883.4/69

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

Out: 60.319+/-0.007 χ^2/NDF:4431945.6/59

All: 59.688+/-0.005 χ^2/NDF: 7711993.8/116



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: 52.9/35

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

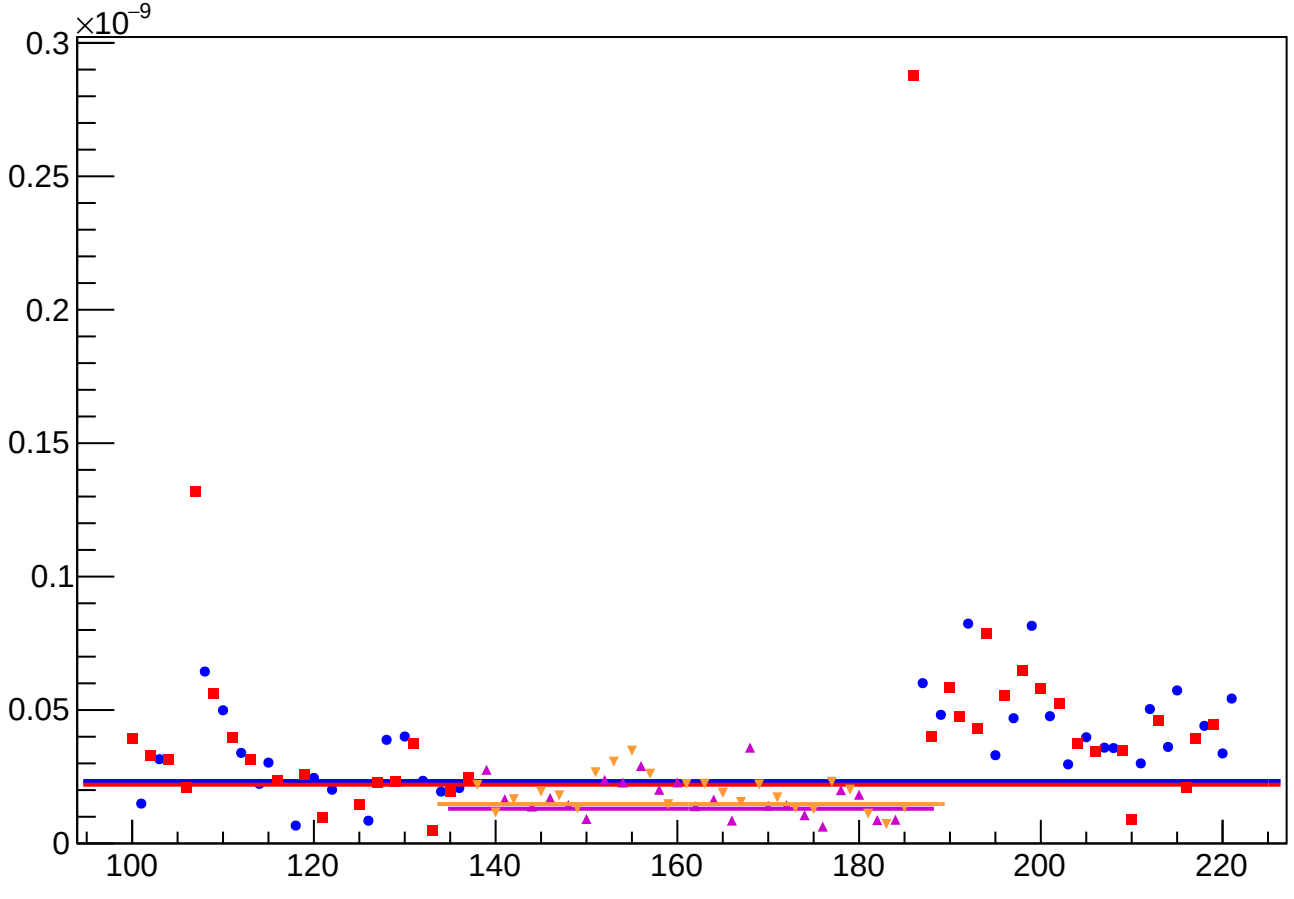
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 84.6/69

In: 0.000+/-0.000 χ^2/NDF:47.9/56

Out: 0.000+/-0.000 χ^2/NDF:94.1/59

All: 0.000+/-0.000 χ^2/NDF: 143.0/116



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: 7848785.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

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

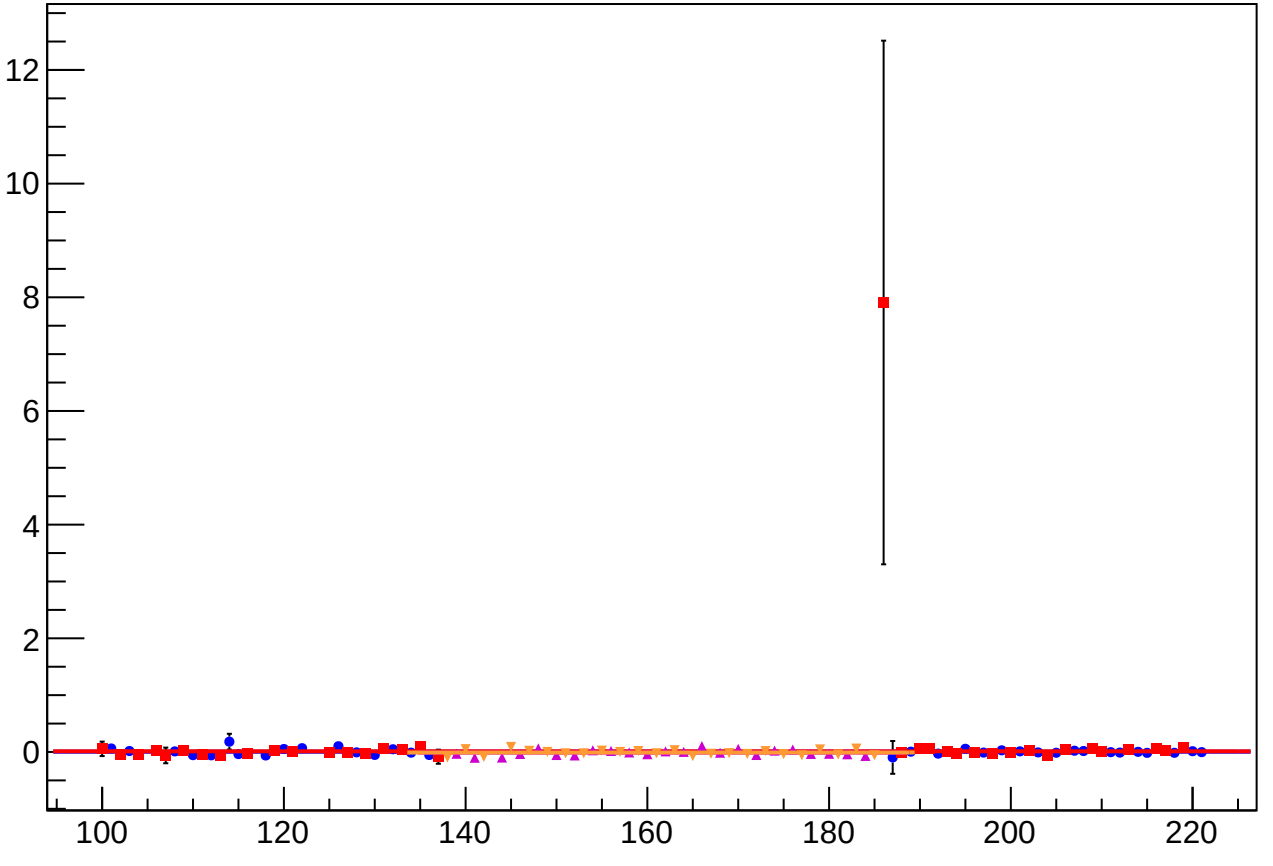
Right: 0.000+/-0.000 χ^2/NDF: 15485983.7/69

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

Out: 0.000+/-0.000 χ^2/NDF:12664245.3/59

All: 0.000+/-0.000 χ^2/NDF: 27102234.6/116

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: 0.012+/-0.007 χ^2/NDF: 36.3/35

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

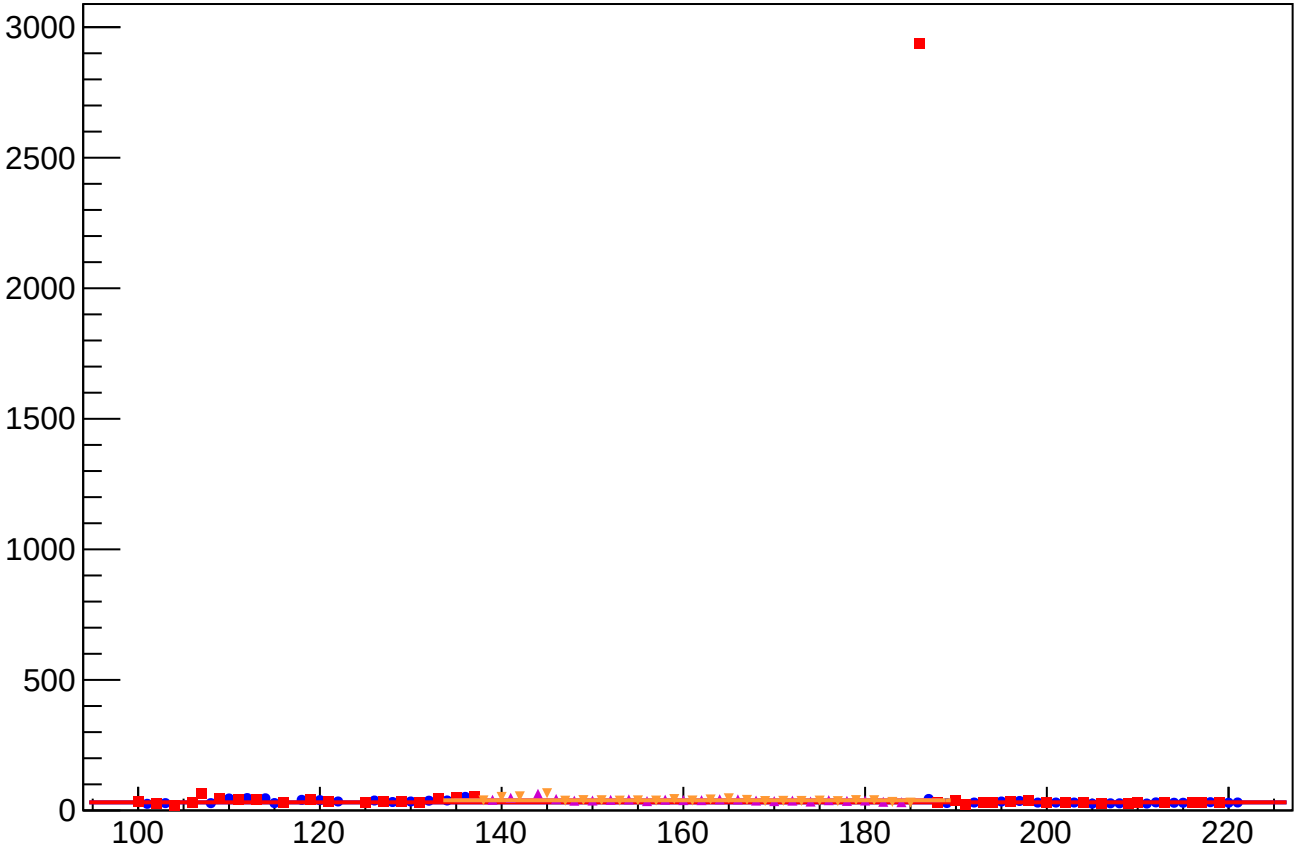
Right: 0.008+/-0.005 χ^2/NDF: 57.6/69

In: -0.001+/-0.006 χ^2/NDF:46.0/56

Out: 0.004+/-0.006 χ^2/NDF:59.0/59

All: 0.002+/-0.004 χ^2/NDF: 105.3/116

asym_usl_overload_cor_vs_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: 31.120+/-0.005 χ^2/NDF: 2010317.1/35

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

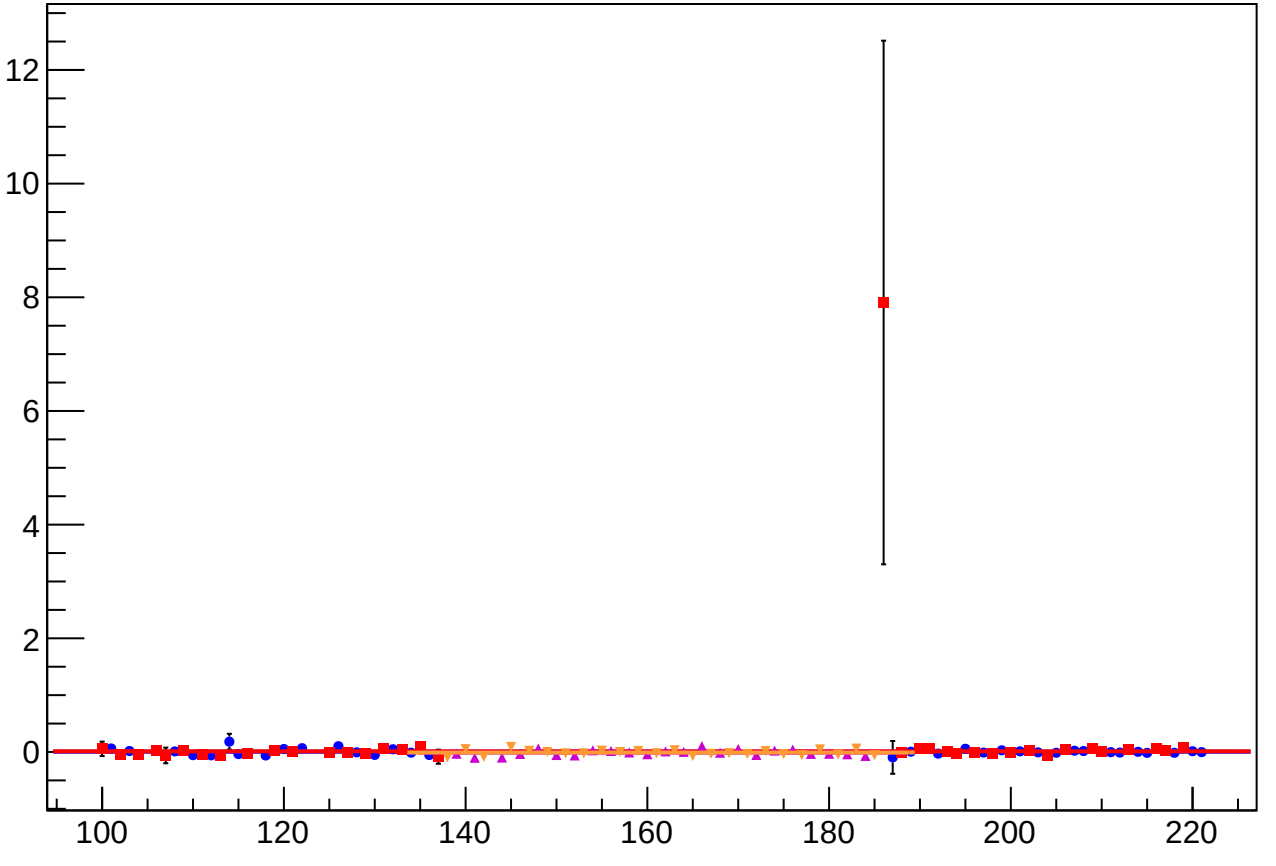
Right: 30.991+/-0.004 χ^2/NDF: 2987286.8/69

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

Out: 34.007+/-0.004 χ^2/NDF:3505336.7/59

All: 33.883+/-0.003 χ^2/NDF: 5989553.0/116

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: 0.012+/-0.007 χ^2/NDF: 36.3/35

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

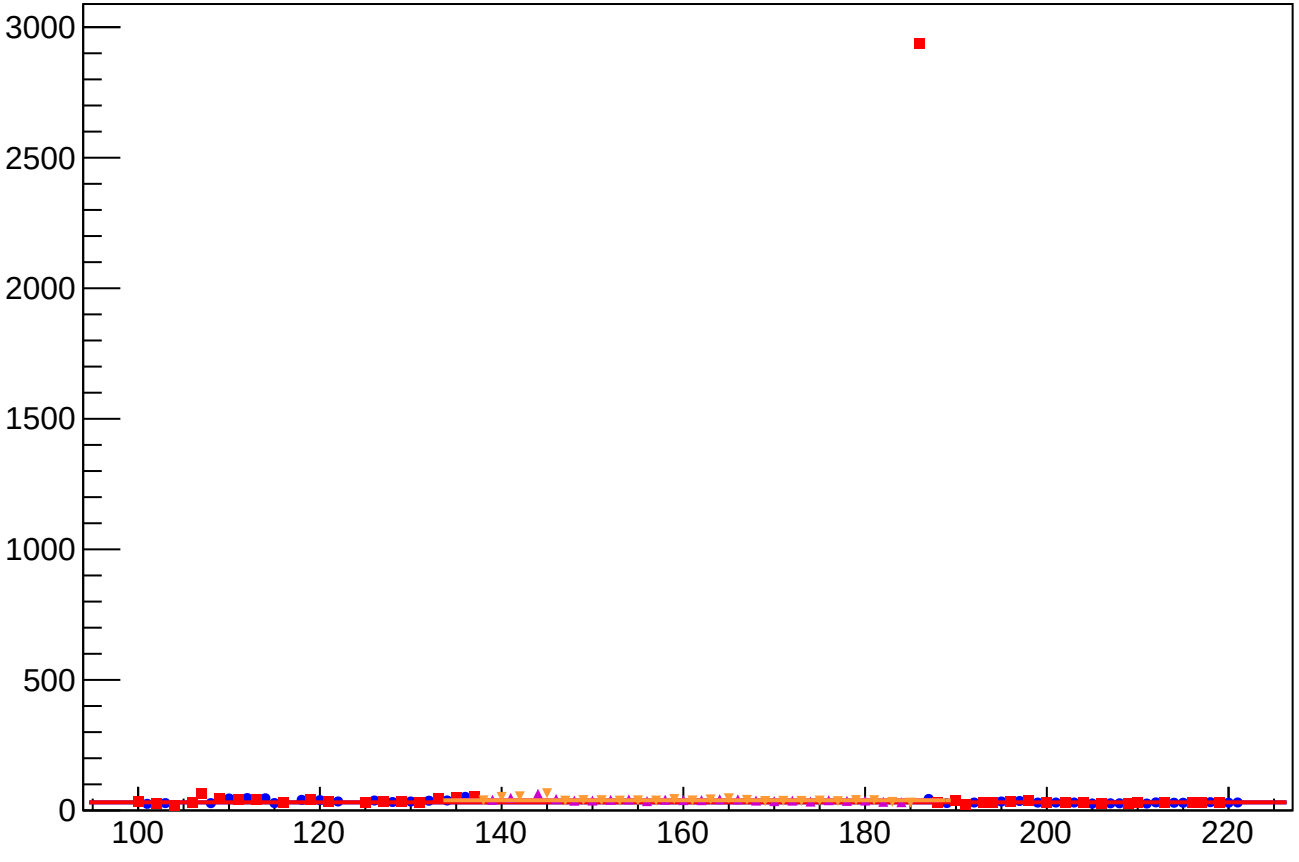
Right: 0.008+/-0.005 χ^2/NDF: 57.6/69

In: -0.001+/-0.006 χ^2/NDF:46.0/56

Out: 0.004+/-0.006 χ^2/NDF:59.0/59

All: 0.002+/-0.004 χ^2/NDF: 105.3/116

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: 31.120+/-0.005 χ^2/NDF: 2010317.1/35

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

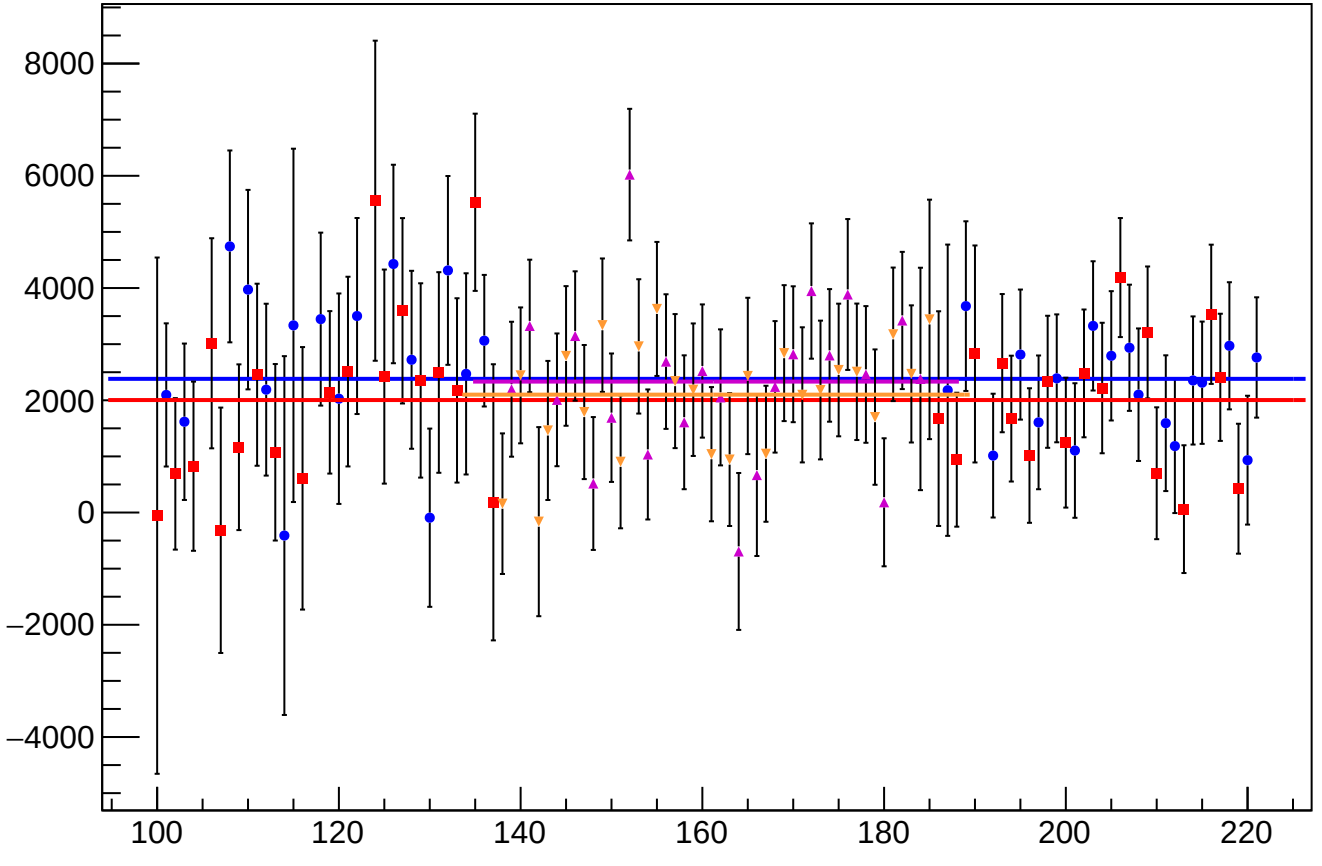
Right: 30.991+/-0.004 χ^2/NDF: 2987286.8/69

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

Out: 34.007+/-0.004 χ^2/NDF:3505336.7/59

All: 33.883+/-0.003 χ^2/NDF: 5989553.0/116

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: 2004.139+/-237.075 χ^2/NDF: 28.3/35

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

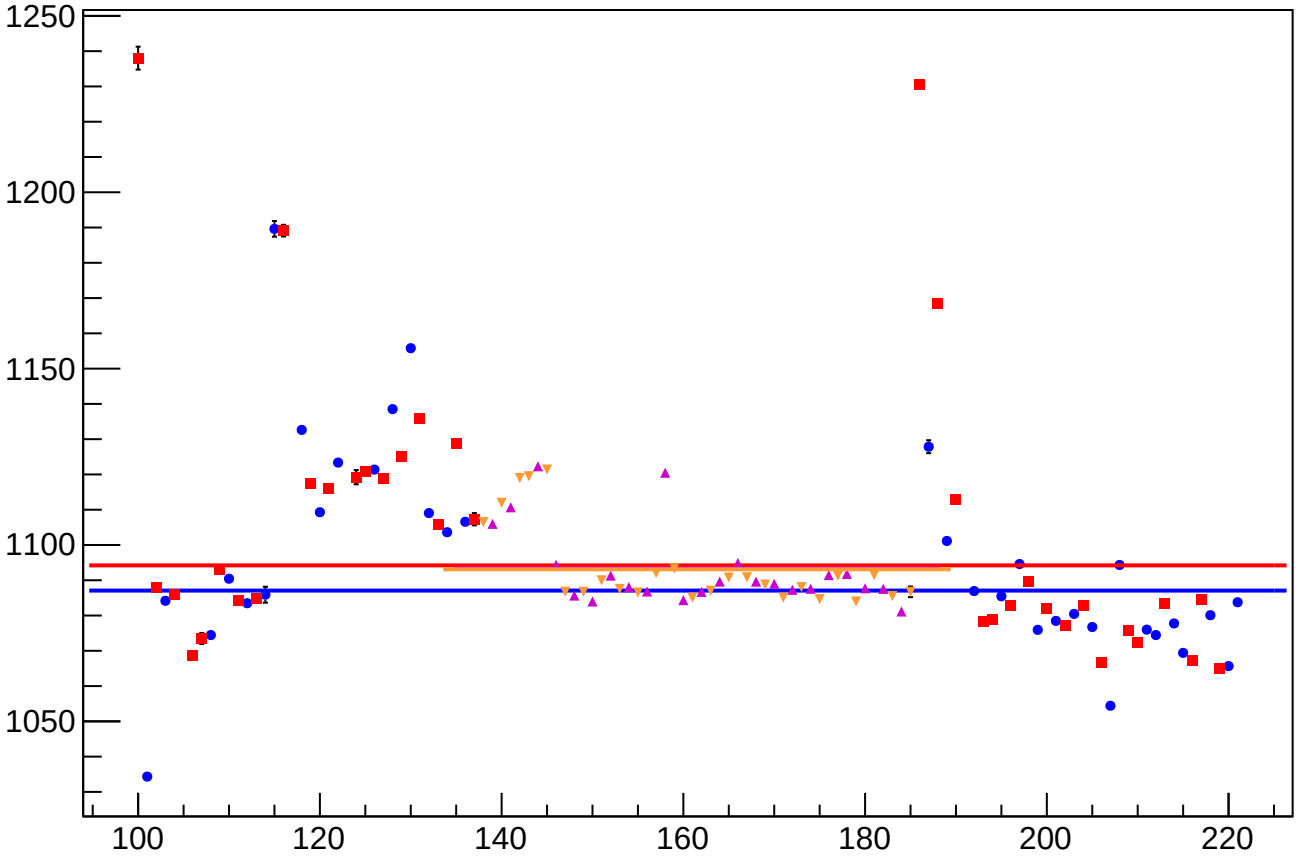
Right: 2197.767+/-165.547 χ^2/NDF: 48.4/69

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

Out: 2050.042+/-171.470 χ^2/NDF:42.2/60

All: 2205.043+/-121.222 χ^2/NDF: 92.2/117

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: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

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

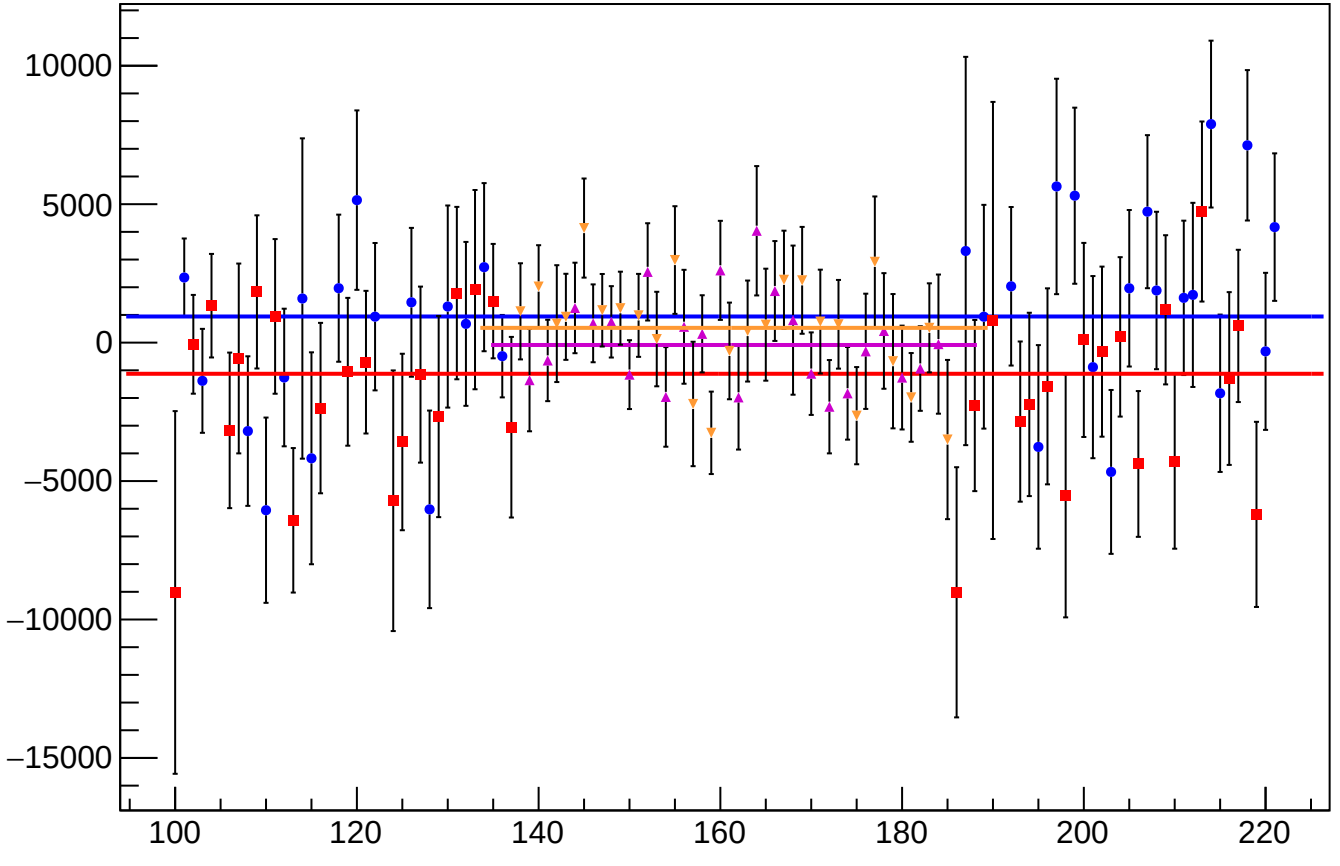
Right: 1090.557+/-0.117 χ^2/NDF: 57726.4/69

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

Out: 1093.685+/-0.121 χ^2/NDF:39687.2/60

All: 1091.791+/-0.086 χ^2/NDF: 65675.7/117

asym_usr_reg_correction_mean vs Slug, Sign Corrected



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: -1125.201+/-494.723 χ^2/NDF: 29.7/35

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

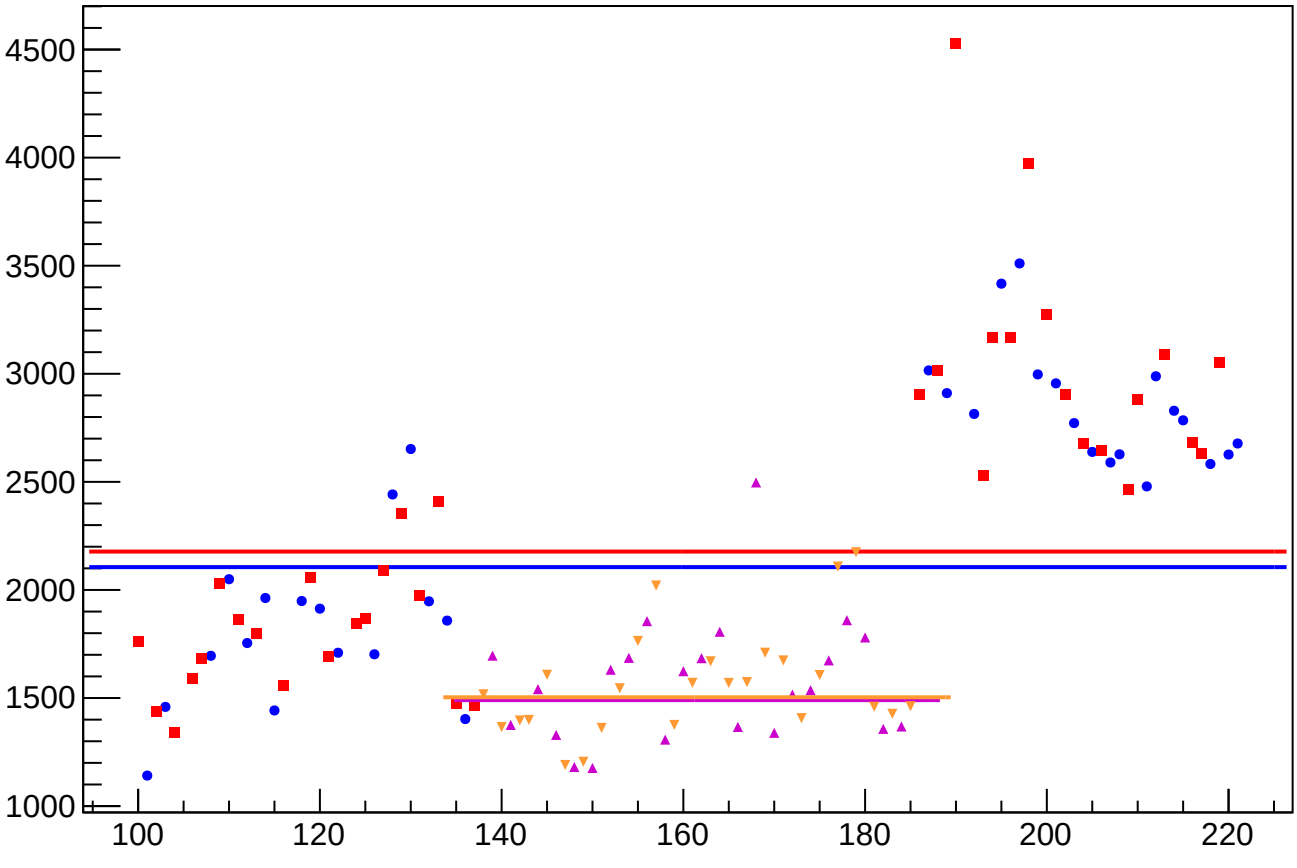
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -40.745+/-341.273 χ^2/NDF: 82.2/69

In: 285.691+/-283.033 χ^2/NDF:64.4/56

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 136.335+/-200.549 χ^2/NDF: 128.7/117



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: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

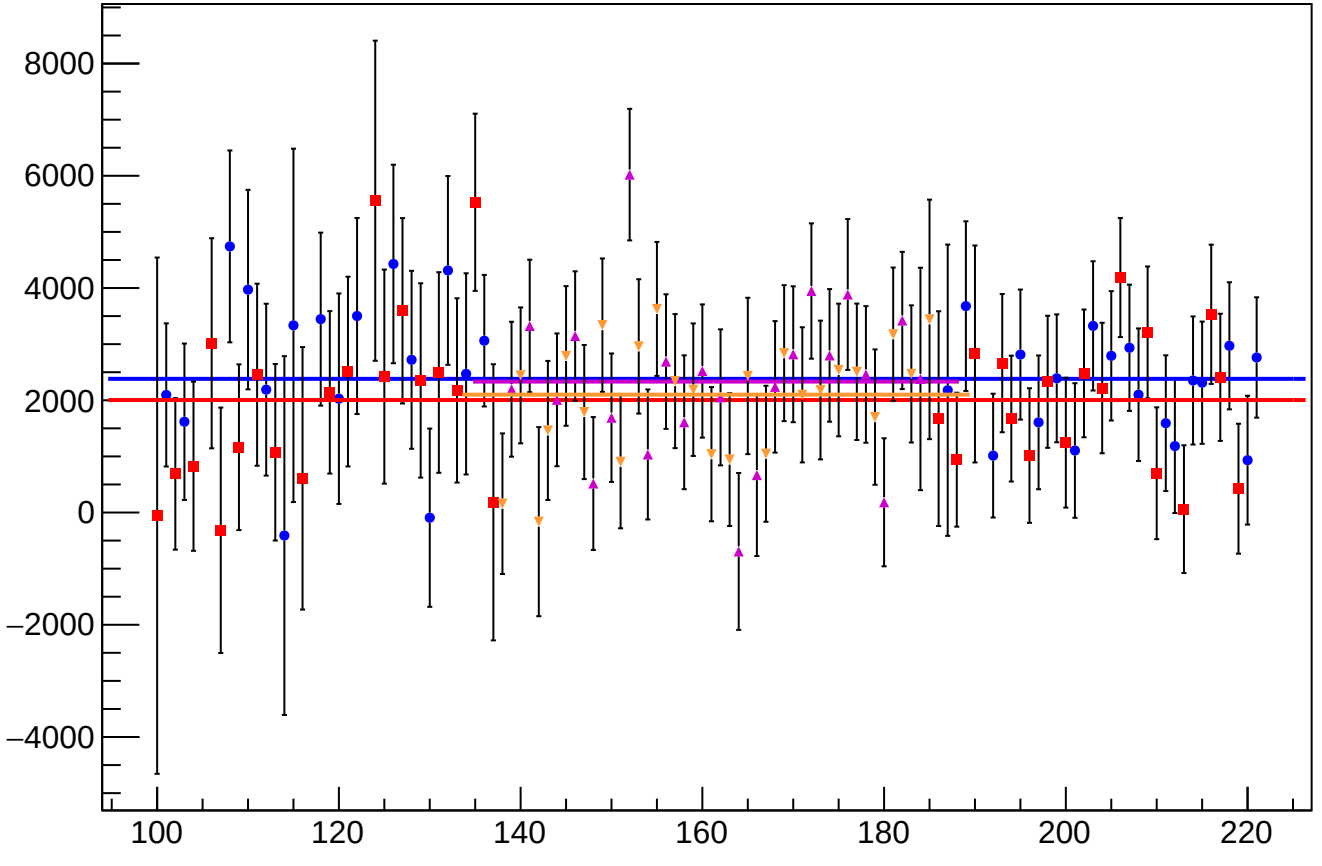
Right: 2139.814+/-0.241 χ^2/NDF: 7465926.0/69

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

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1718.986+/-0.142 χ^2/NDF: 13880554.3/1

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: 2004.139+/-237.075 χ^2/NDF: 28.3/35

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

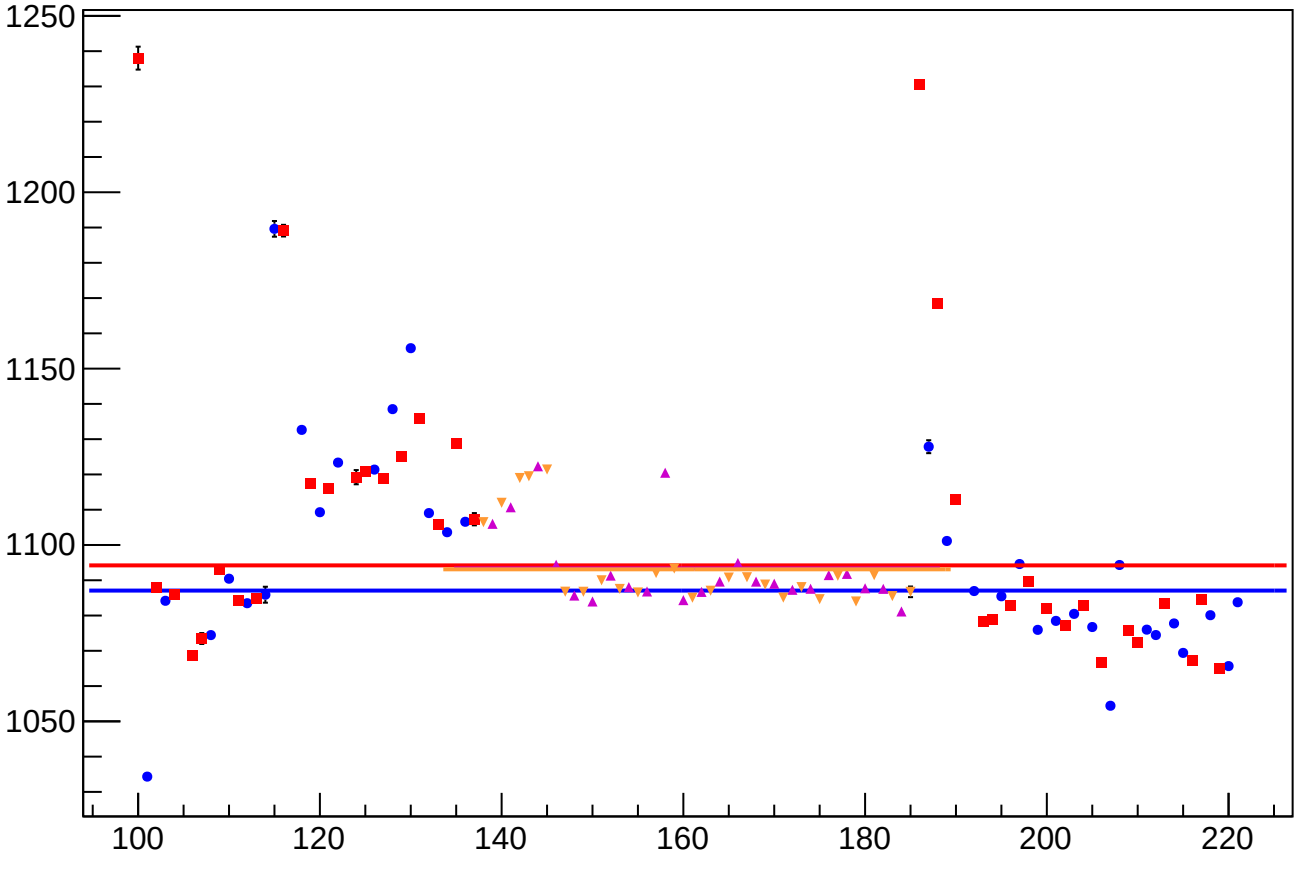
Right: 2197.767+/-165.547 χ^2/NDF: 48.4/69

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

Out: 2050.042+/-171.470 χ^2/NDF:42.2/60

All: 2205.043+/-121.222 χ^2/NDF: 92.2/117

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: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

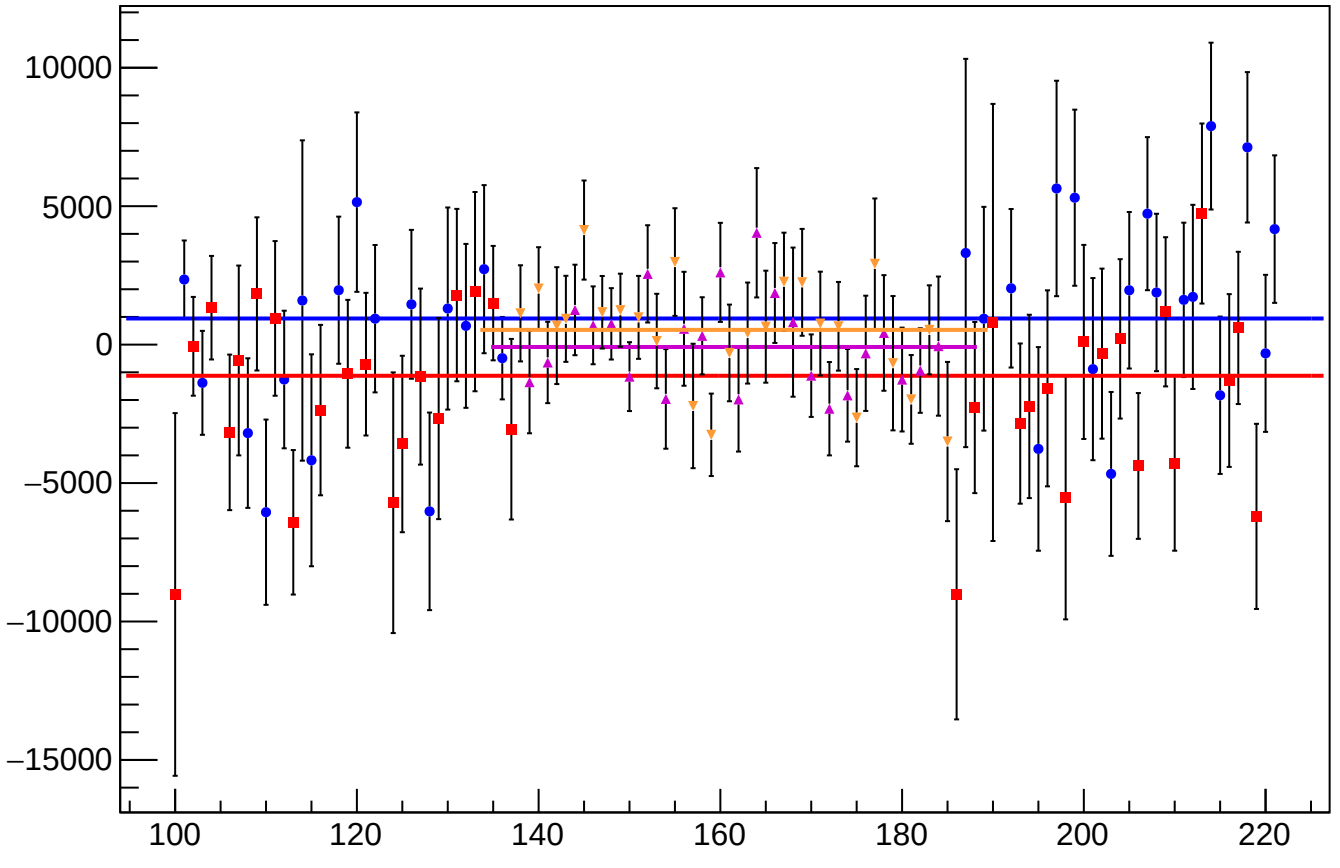
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.557+/-0.117 χ^2/NDF: 57726.4/69

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

Out: 1093.685+/-0.121 χ^2/NDF:39687.2/60

All: 1091.791+/-0.086 χ^2/NDF: 65675.7/117



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: -1125.201+/-494.723 χ^2/NDF: 29.7/35

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

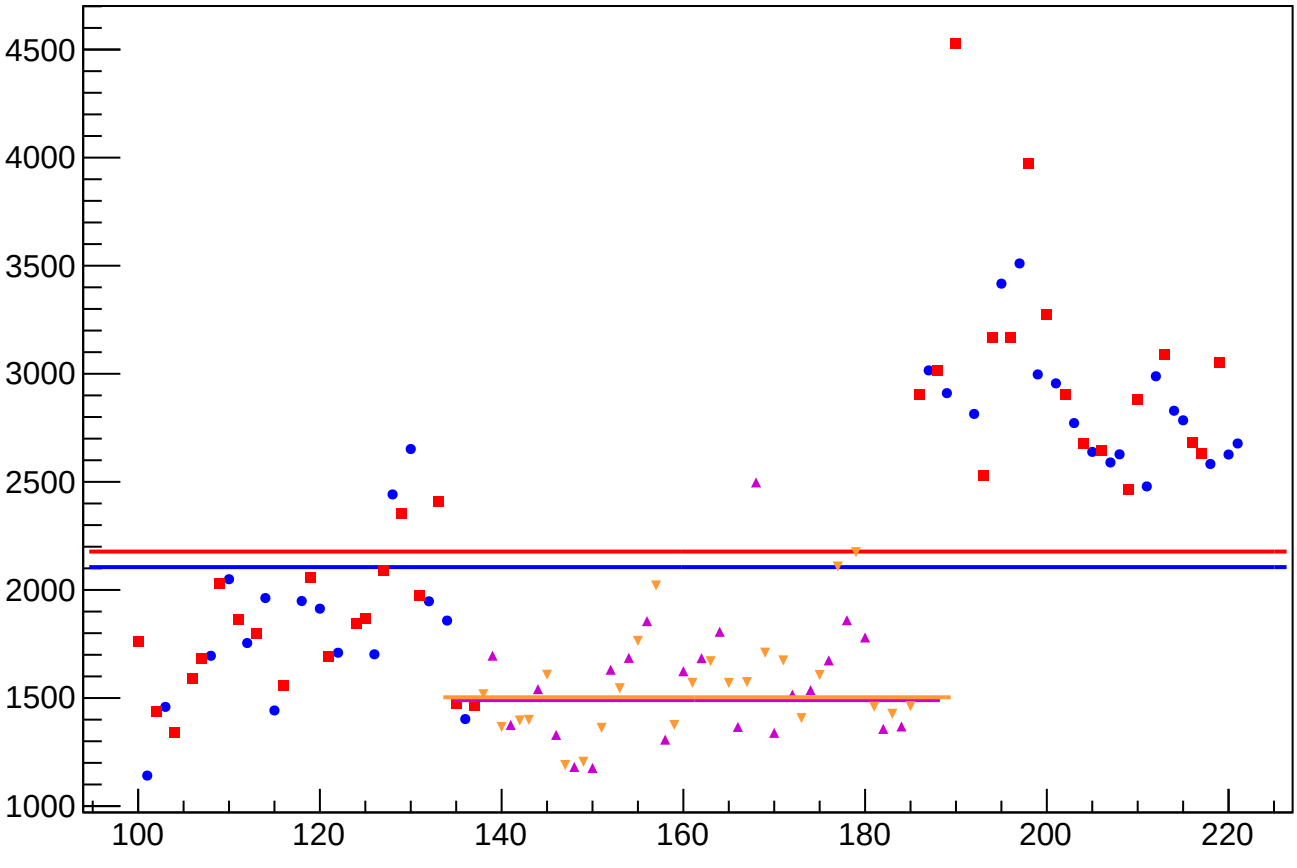
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -40.745+/-341.273 χ^2/NDF: 82.2/69

In: 285.691+/-283.033 χ^2/NDF:64.4/56

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 136.335+/-200.549 χ^2/NDF: 128.7/117



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: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

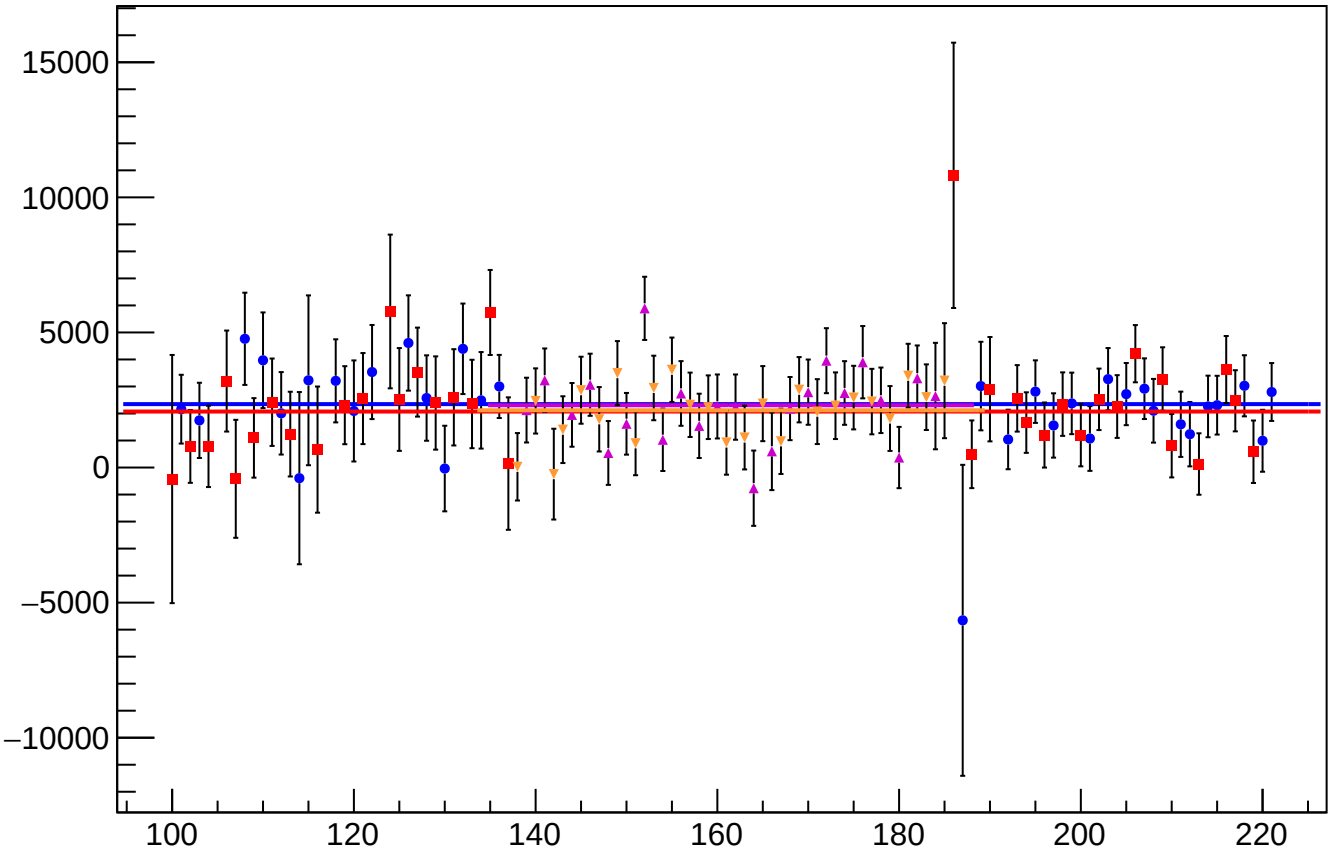
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2139.814+/-0.241 χ^2/NDF: 7465926.0/69

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

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1718.986+/-0.142 χ^2/NDF: 13880554.3/1



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: 2072.523+/-238.752 χ^2/NDF: 32.7/35

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

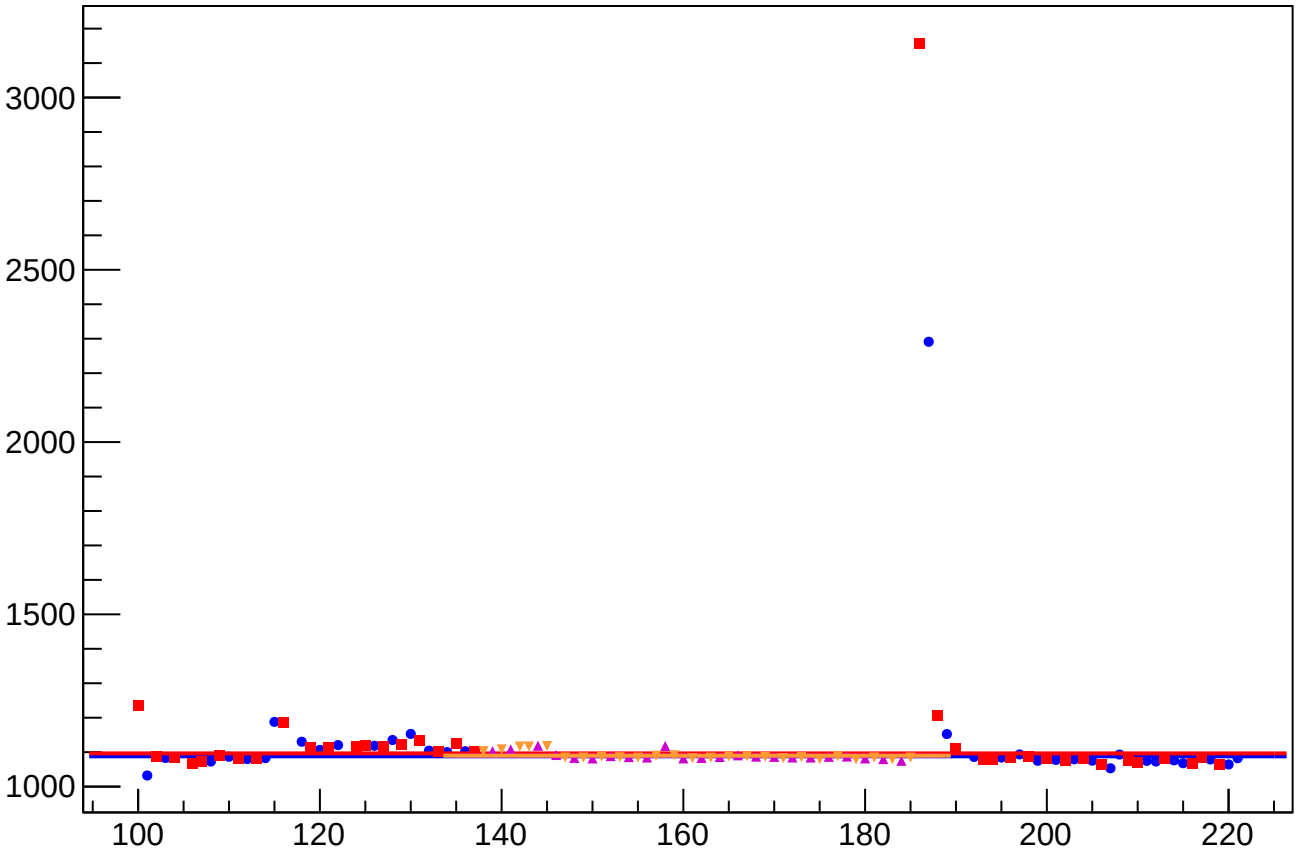
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2213.779+/-166.399 χ^2/NDF: 53.4/69

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

Out: 2095.390+/-171.847 χ^2/NDF:47.9/60

All: 2212.069+/-121.380 χ^2/NDF: 97.2/117



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: 1096.373+/-0.169 χ^2/NDF: 385763.9/35

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

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

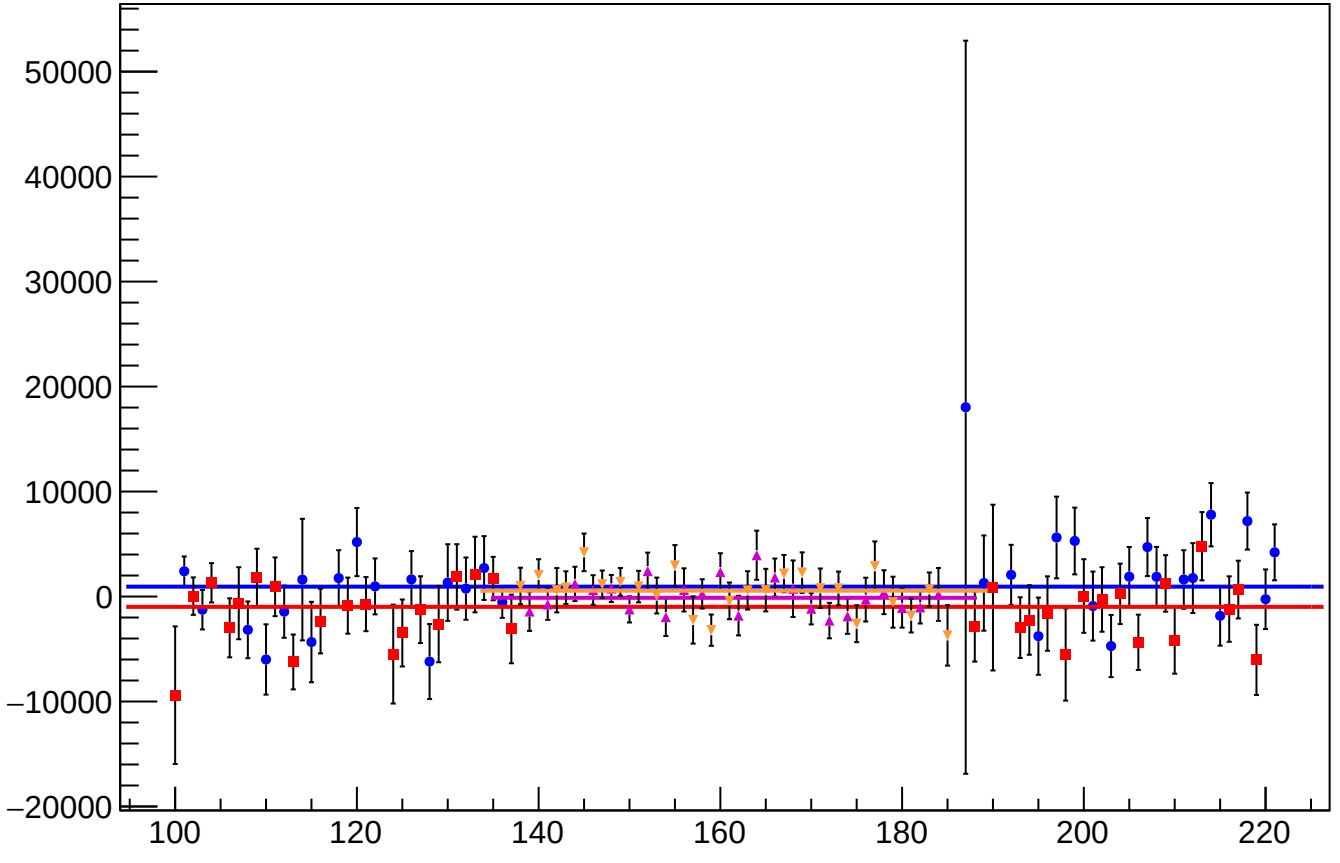
Right: 1092.034+/-0.118 χ^2/NDF: 497688.4/69

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

Out: 1093.178+/-0.122 χ^2/NDF:390564.7/60

All: 1091.012+/-0.086 χ^2/NDF: 505803.9/117

asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected



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: -985.595+/-498.963 χ^2/NDF: 26.7/34

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

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

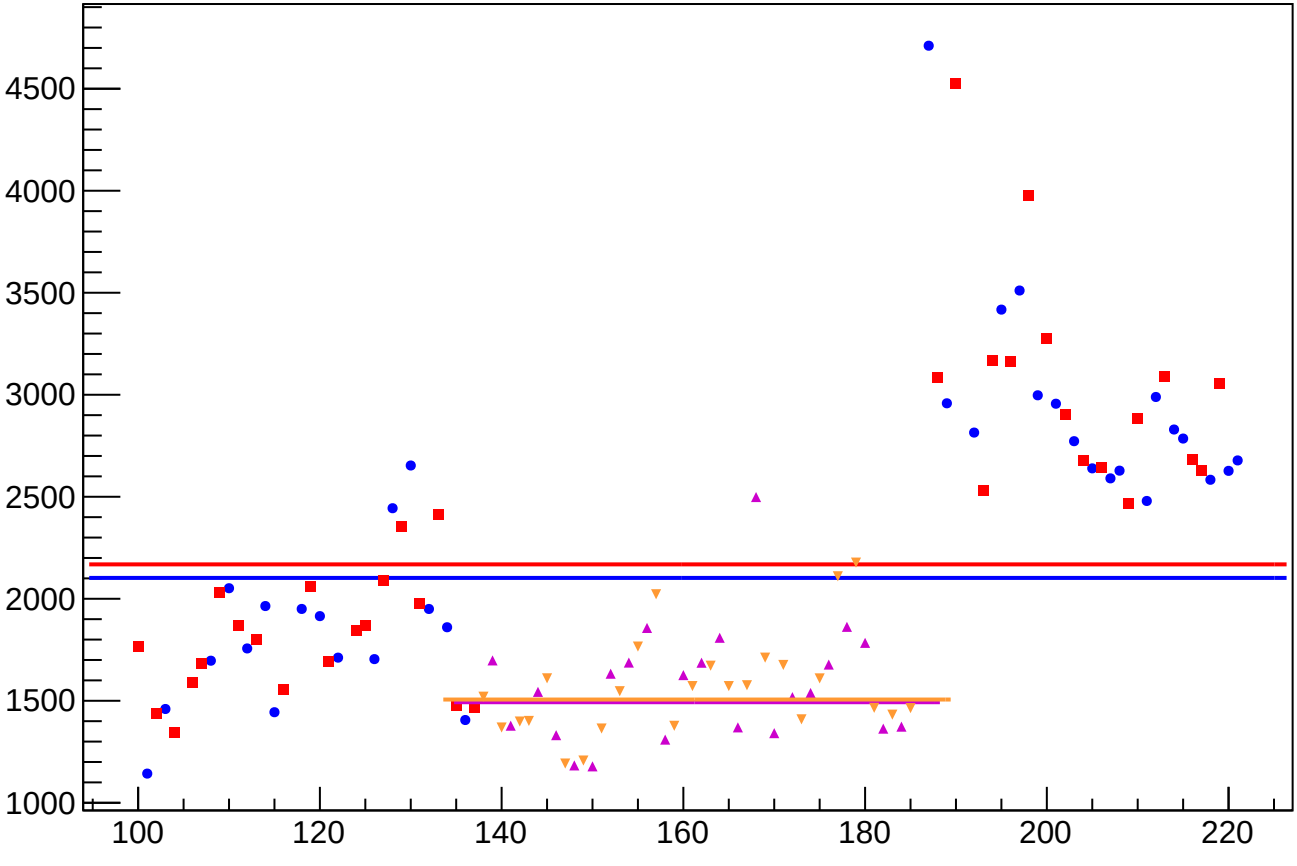
Right: 27.827+/-343.453 χ^2/NDF: 78.2/68

In: 260.038+/-283.794 χ^2/NDF:64.0/56

Out: 50.374+/-285.331 χ^2/NDF:59.2/59

All: 155.772+/-201.214 χ^2/NDF: 123.5/116

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 2102.251+/-0.335 χ^2/NDF: 3876772.5/33

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2168.600+/-0.353 χ^2/NDF: 3457544.4/34

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

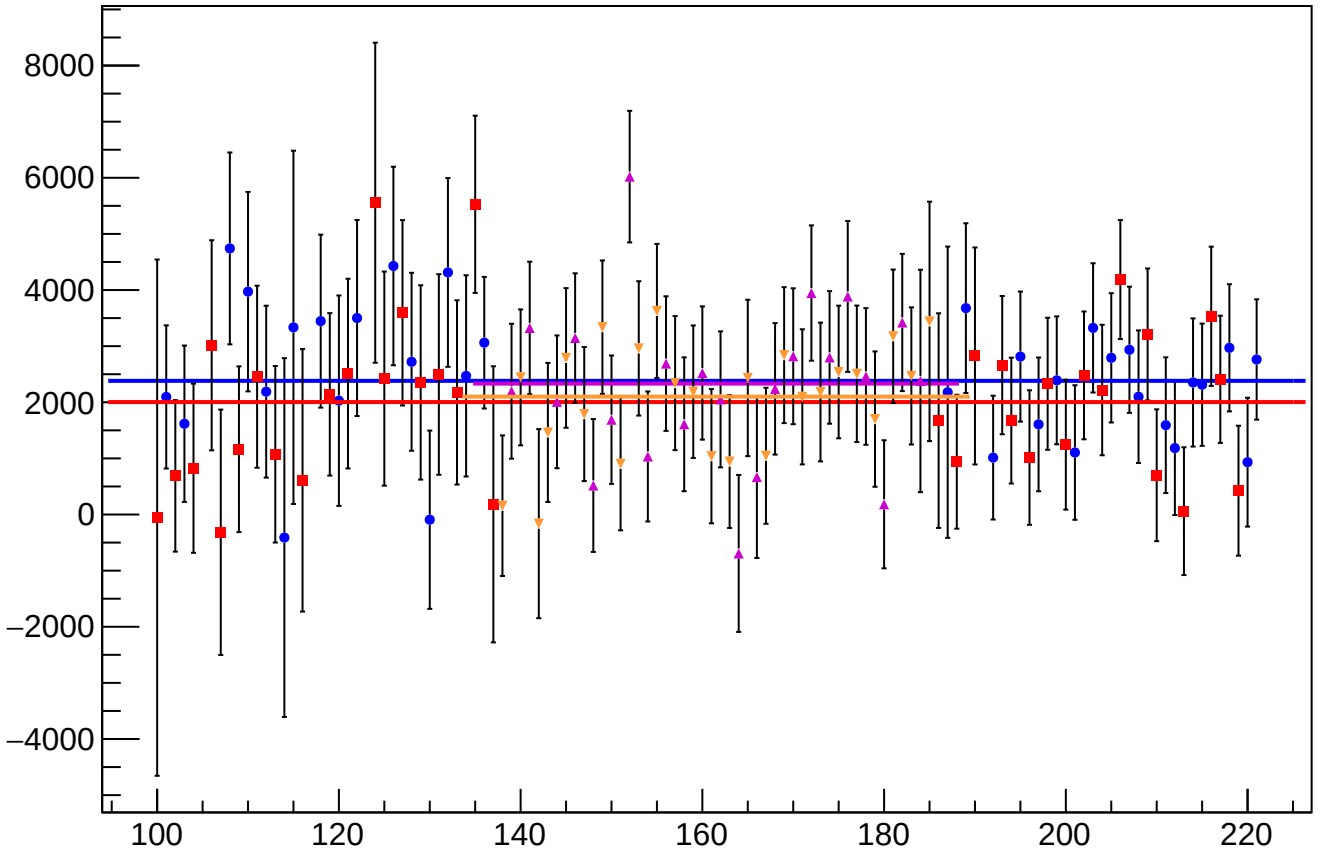
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 2133.687+/-0.243 χ^2/NDF: 7352925.4/68

In: 1711.871+/-0.201 χ^2/NDF:6963139.5/56

Out: 1722.746+/-0.202 χ^2/NDF:6626787.2/59

All: 1717.279+/-0.142 χ^2/NDF: 13591387.3/1



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: 2004.139+/-237.075 χ^2/NDF: 28.3/35

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

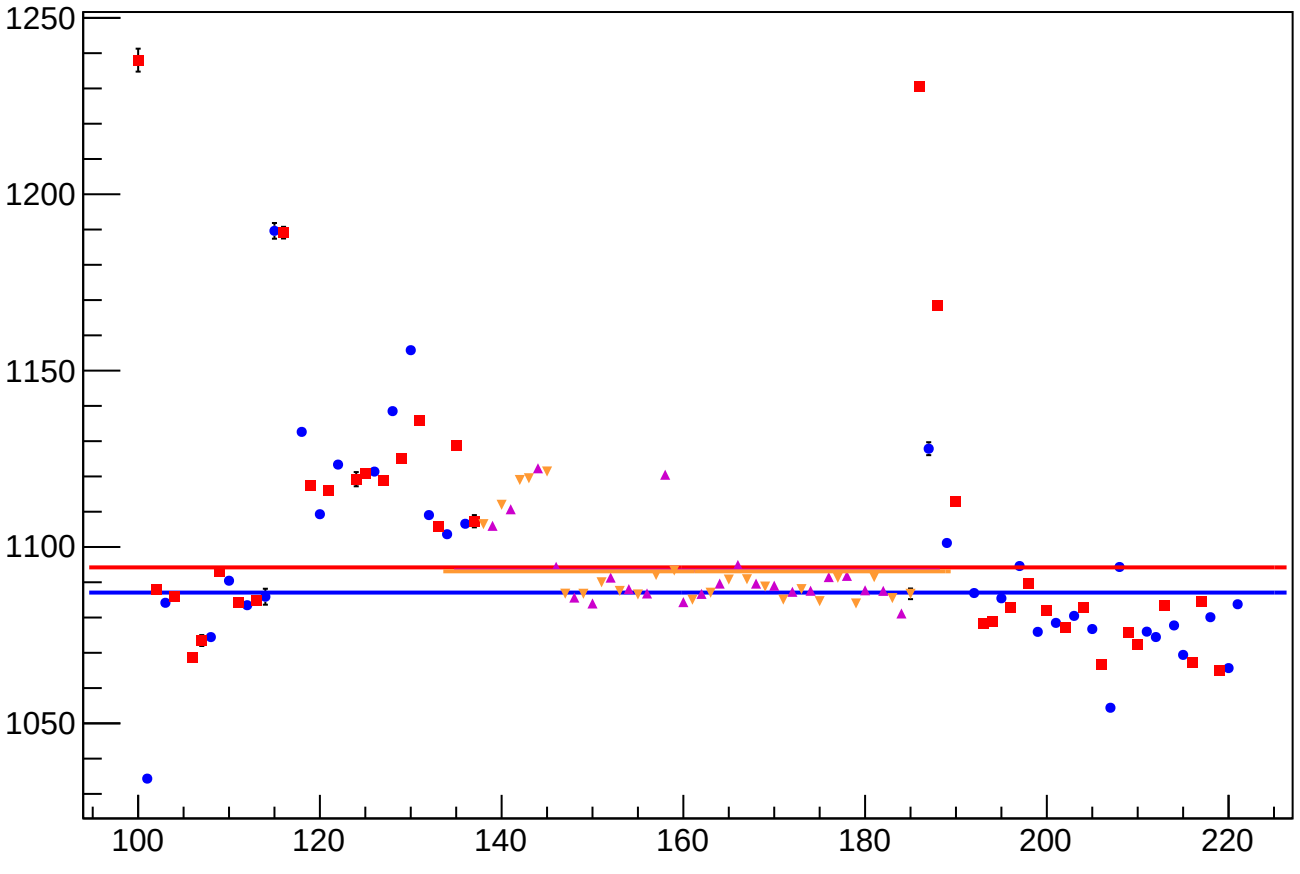
Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

Right: 2197.767+/-165.547 χ^2/NDF: 48.4/69

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

Out: 2050.042+/-171.470 χ^2/NDF:42.2/60

All: 2205.043+/-121.222 χ^2/NDF: 92.2/117



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: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

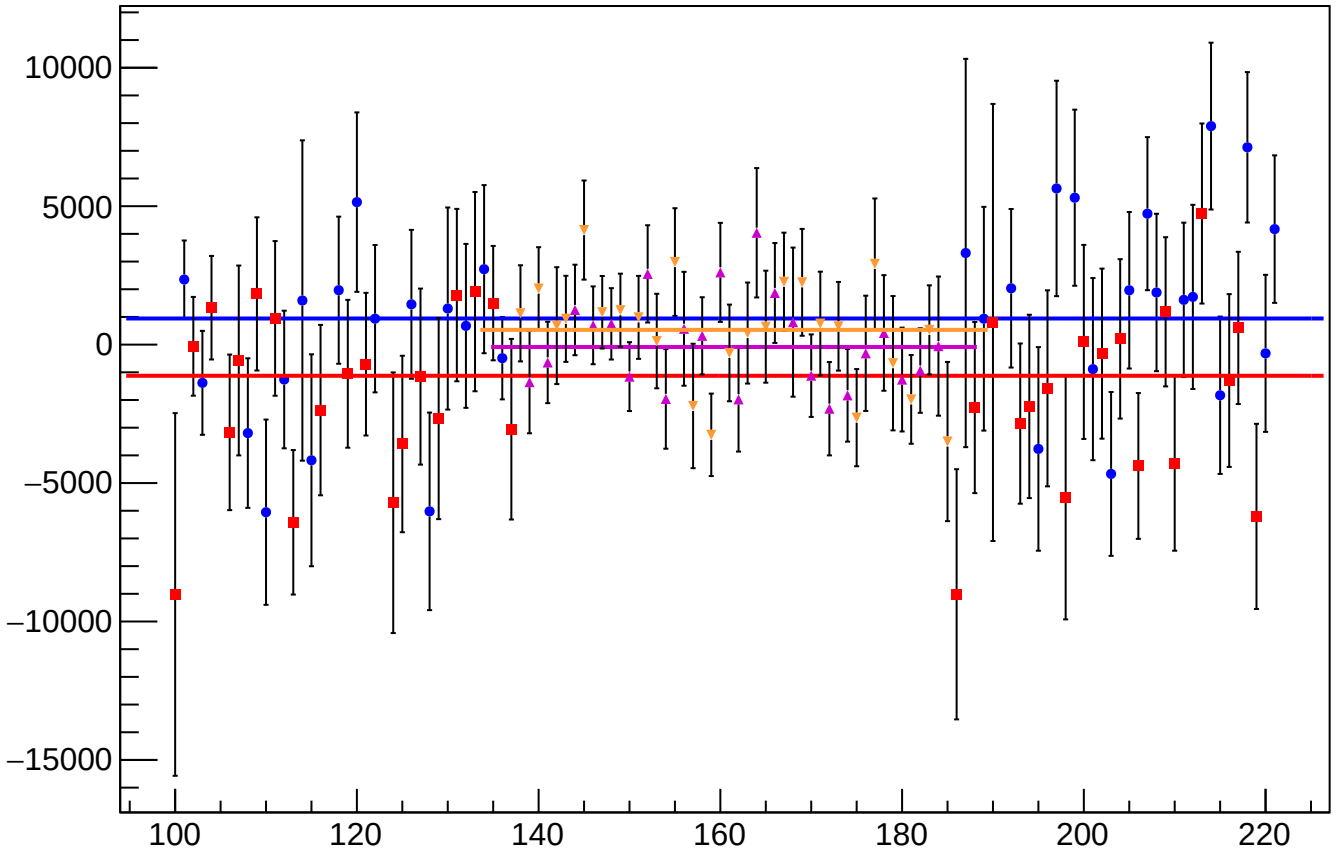
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.557+/-0.117 χ^2/NDF: 57726.4/69

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

Out: 1093.685+/-0.121 χ^2/NDF:39687.2/60

All: 1091.791+/-0.086 χ^2/NDF: 65675.7/117



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: -1125.201+/-494.723 χ^2/NDF: 29.7/35

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

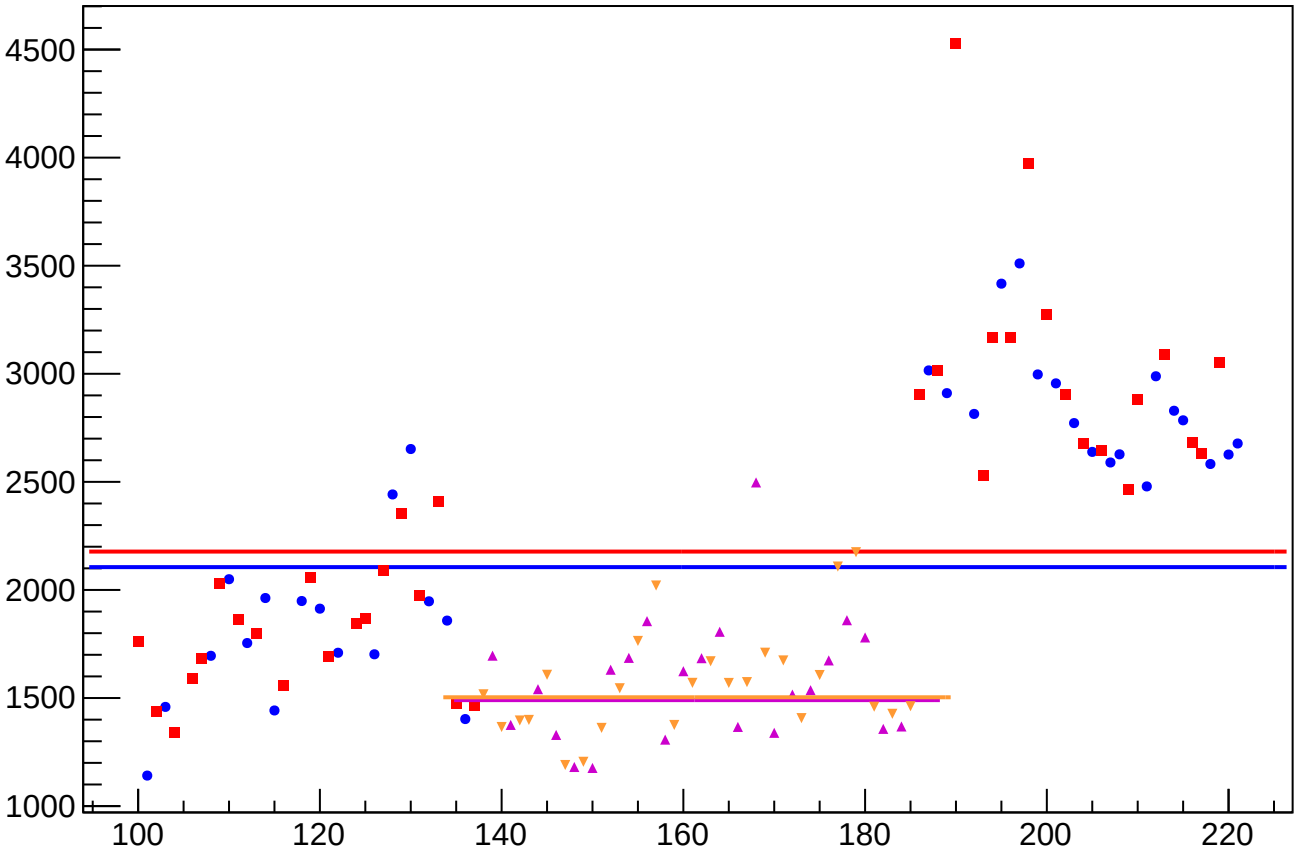
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -40.745+/-341.273 χ^2/NDF: 82.2/69

In: 285.691+/-283.033 χ^2/NDF:64.4/56

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 136.335+/-200.549 χ^2/NDF: 128.7/117



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: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

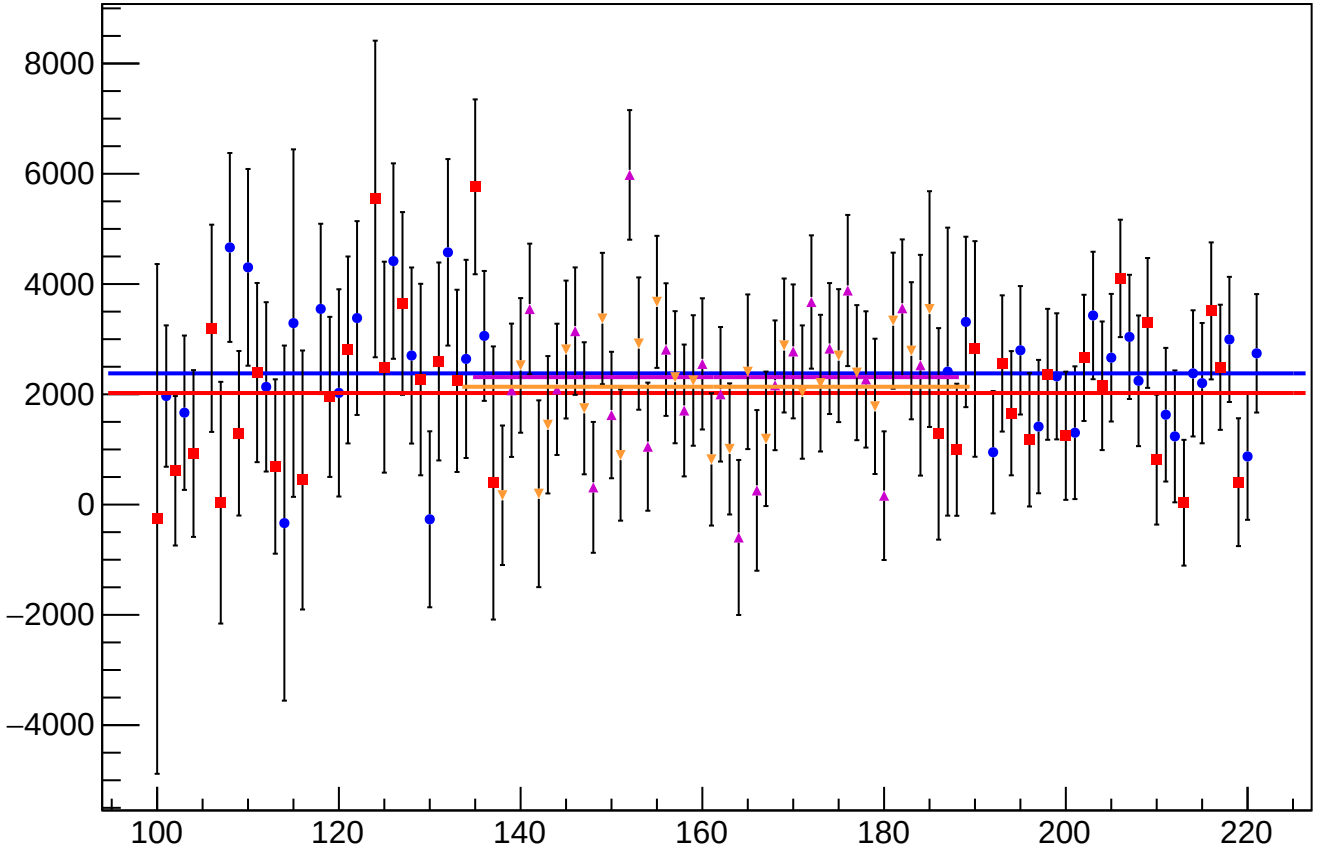
Right: 2139.814+/-0.241 χ^2/NDF: 7465926.0/69

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

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1718.986+/-0.142 χ^2/NDF: 13880554.3/1

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: 2023.612+/-238.063 χ^2/NDF: 28.7/35

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

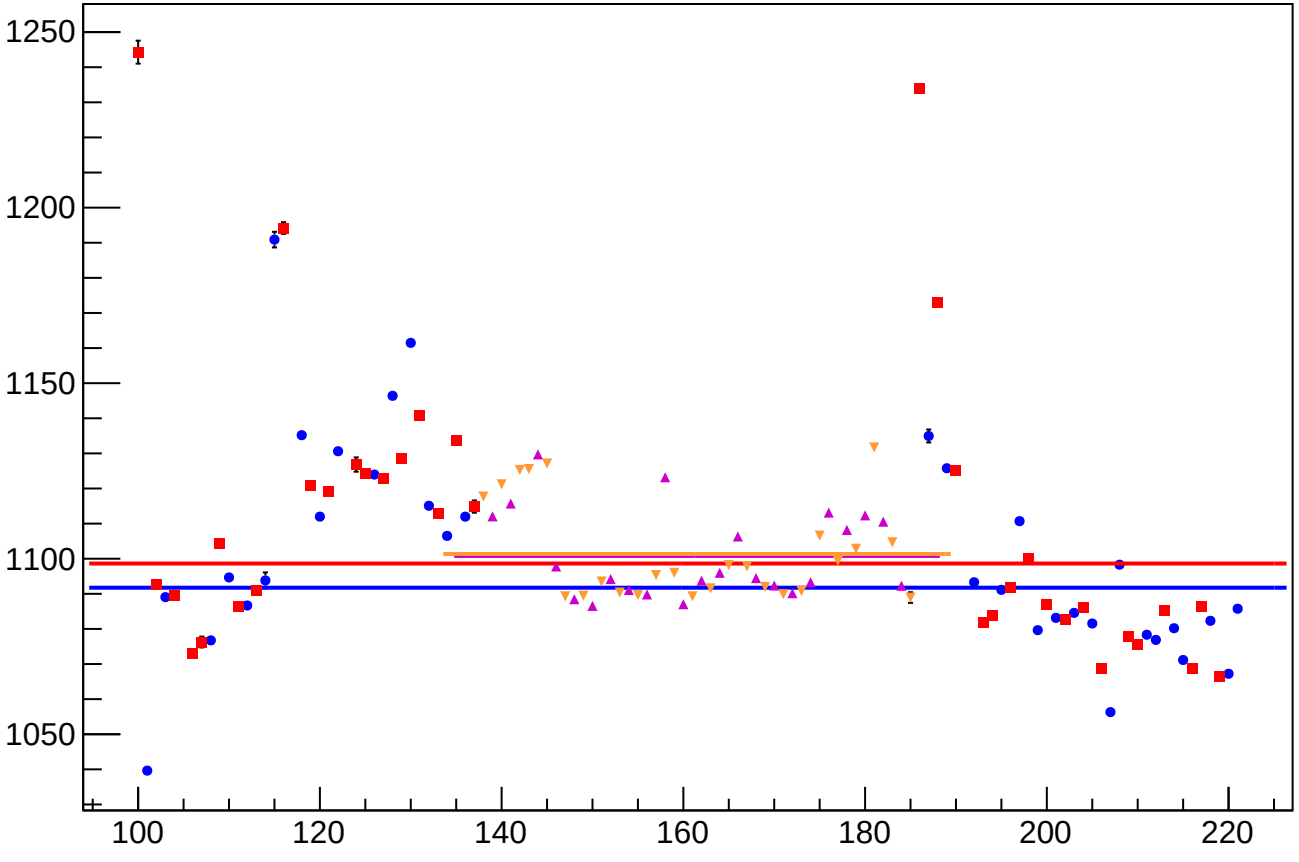
Right: 2206.157+/-166.253 χ^2/NDF: 49.3/69

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

Out: 2077.578+/-172.465 χ^2/NDF:42.8/60

All: 2213.537+/-121.905 χ^2/NDF: 93.5/117

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: 1098.630+/-0.168 χ^2/NDF: 36614.2/35

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

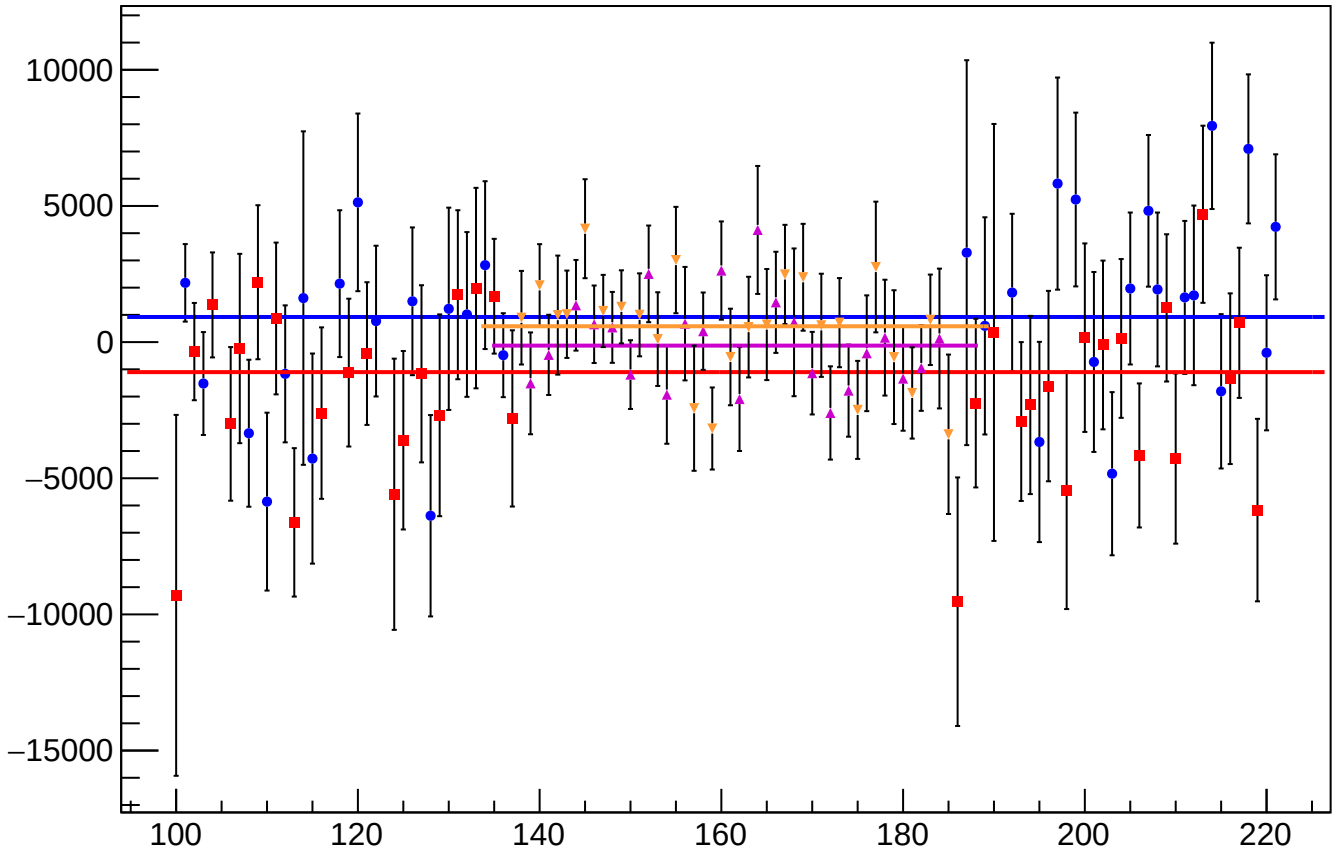
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1095.100+/-0.118 χ^2/NDF: 60856.4/69

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

Out: 1099.924+/-0.122 χ^2/NDF:42689.1/60

All: 1097.865+/-0.086 χ^2/NDF: 72650.0/117



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: -1102.281+/-499.903 χ^2/NDF: 29.8/35

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

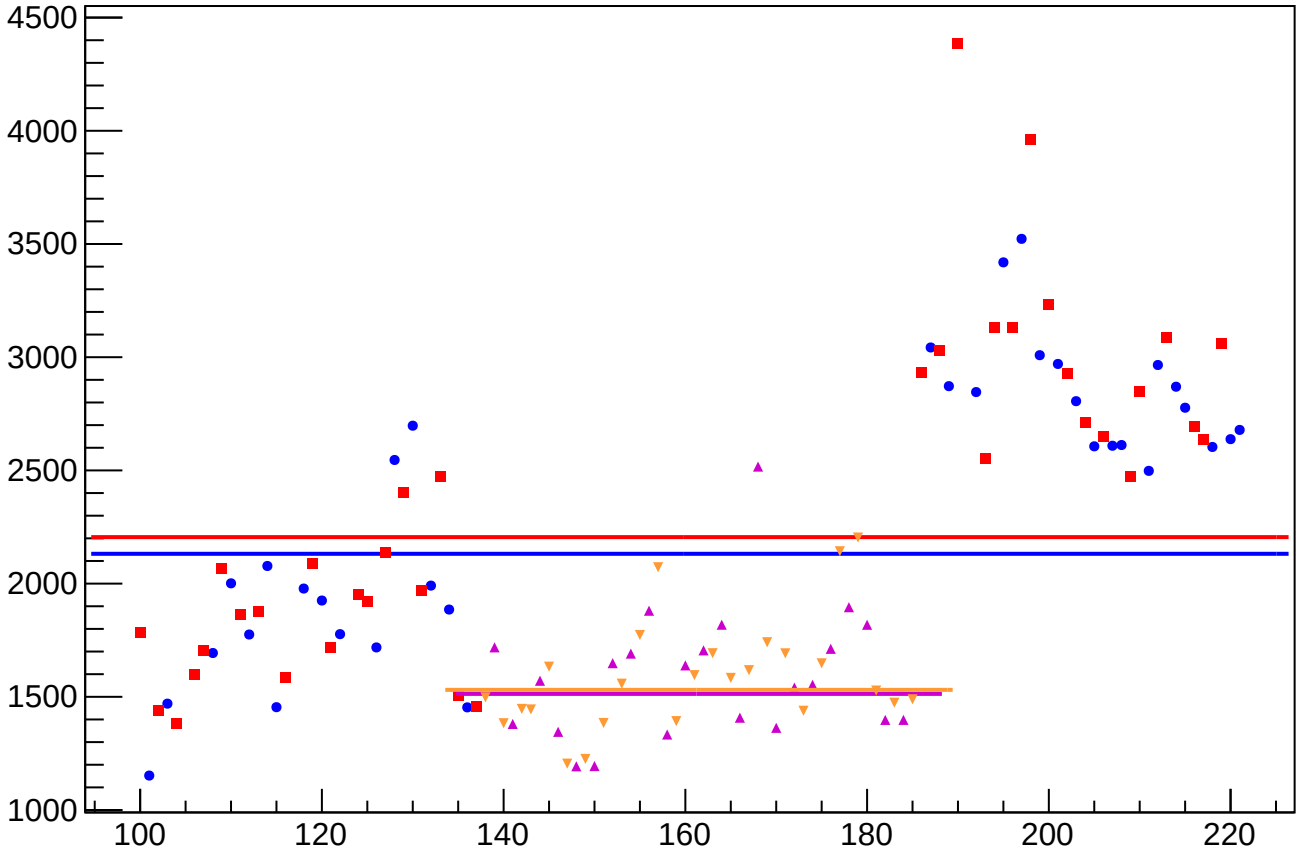
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -40.806+/-344.812 χ^2/NDF: 81.8/69

In: 252.345+/-286.737 χ^2/NDF:64.3/56

Out: 20.394+/-288.567 χ^2/NDF:62.8/60

All: 137.107+/-203.398 χ^2/NDF: 127.4/117



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: 2205.355+/-0.353 χ^2/NDF: 3353531.8/35

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

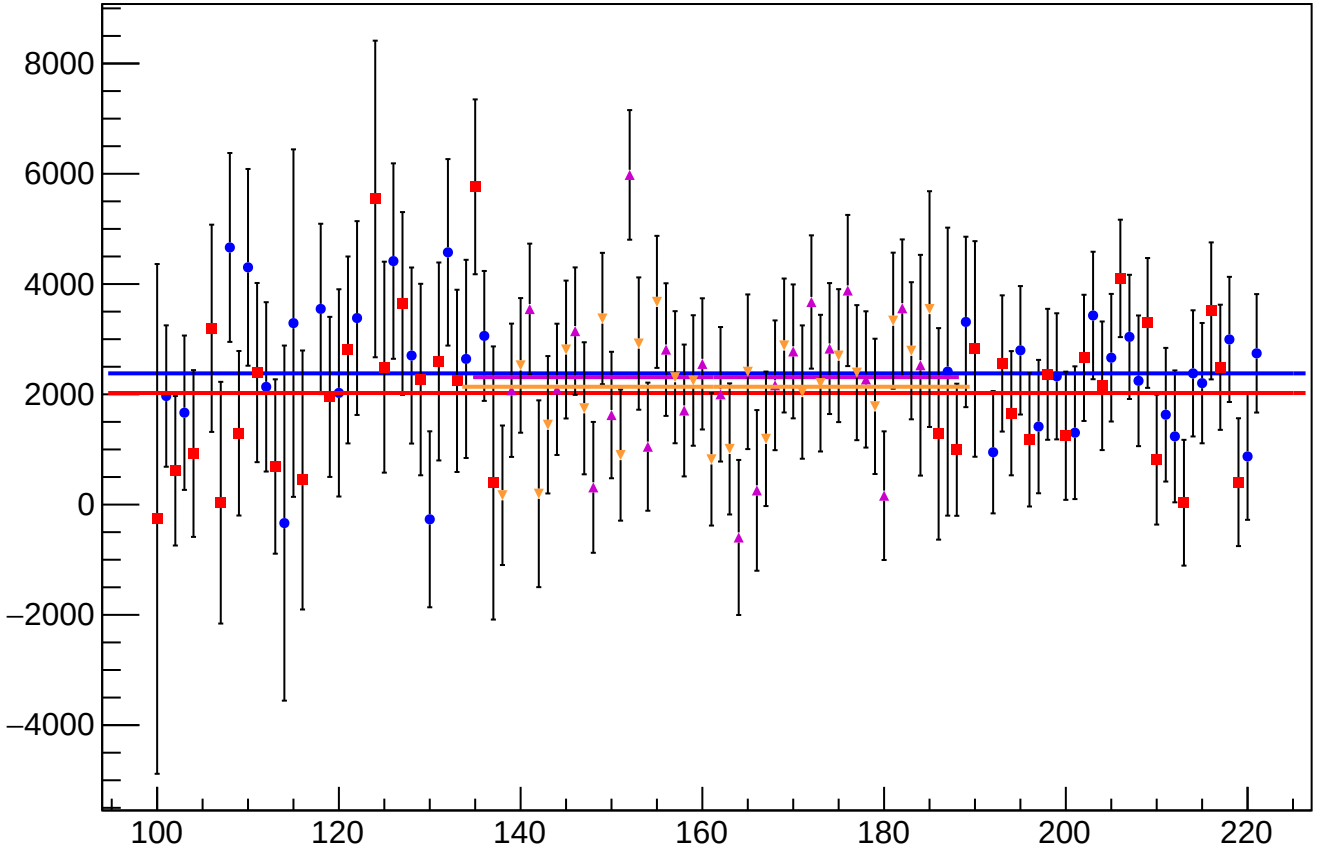
Right: 2166.754+/-0.244 χ^2/NDF: 7164789.1/69

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

Out: 1755.547+/-0.204 χ^2/NDF:6577604.1/60

All: 1746.346+/-0.144 χ^2/NDF: 13479610.9/1

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: 2023.617+/-238.063 χ^2/NDF: 28.7/35

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

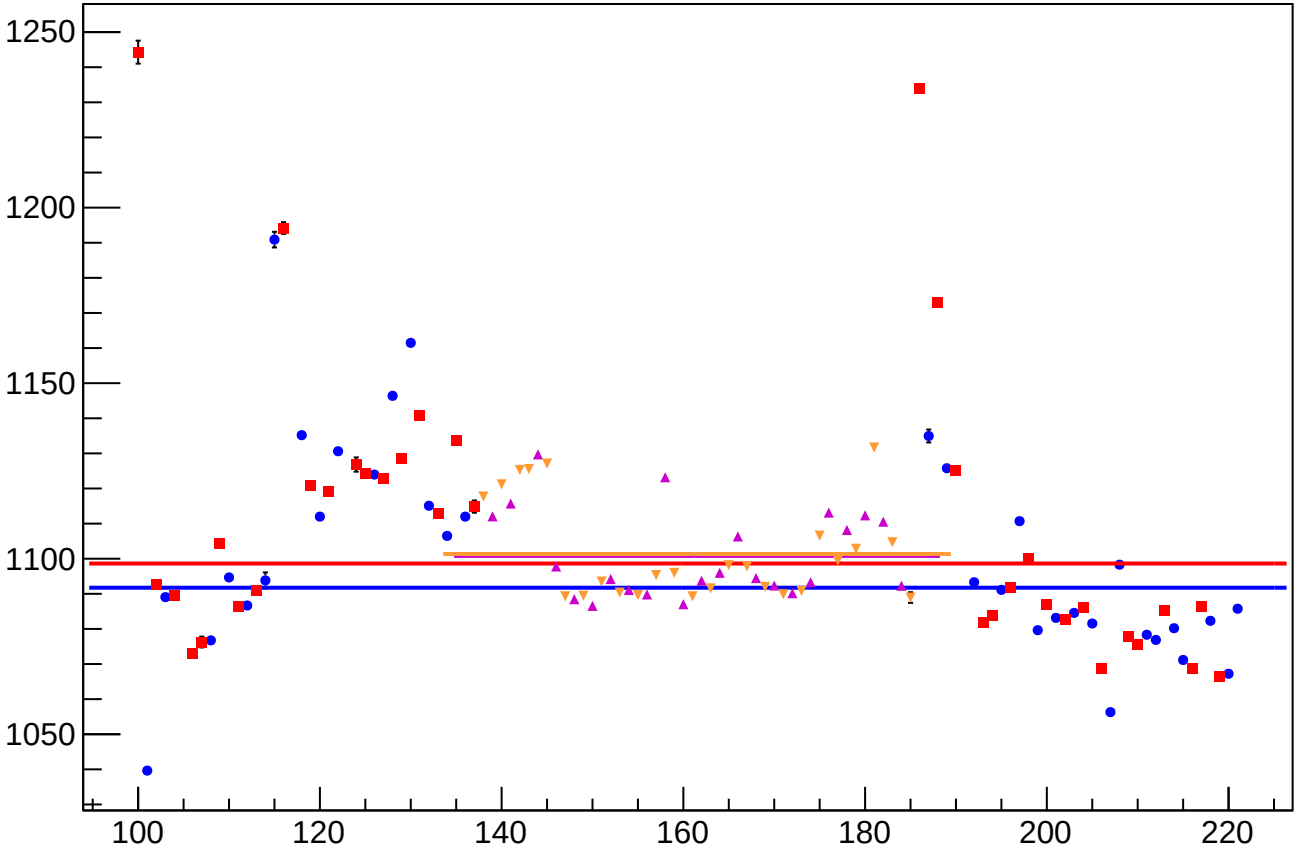
Right: 2206.159+/-166.253 χ^2/NDF: 49.3/69

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

Out: 2077.580+/-172.465 χ^2/NDF:42.8/60

All: 2213.537+/-121.905 χ^2/NDF: 93.5/117

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



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: 1098.630+/-0.168 χ^2/NDF: 36614.1/35

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

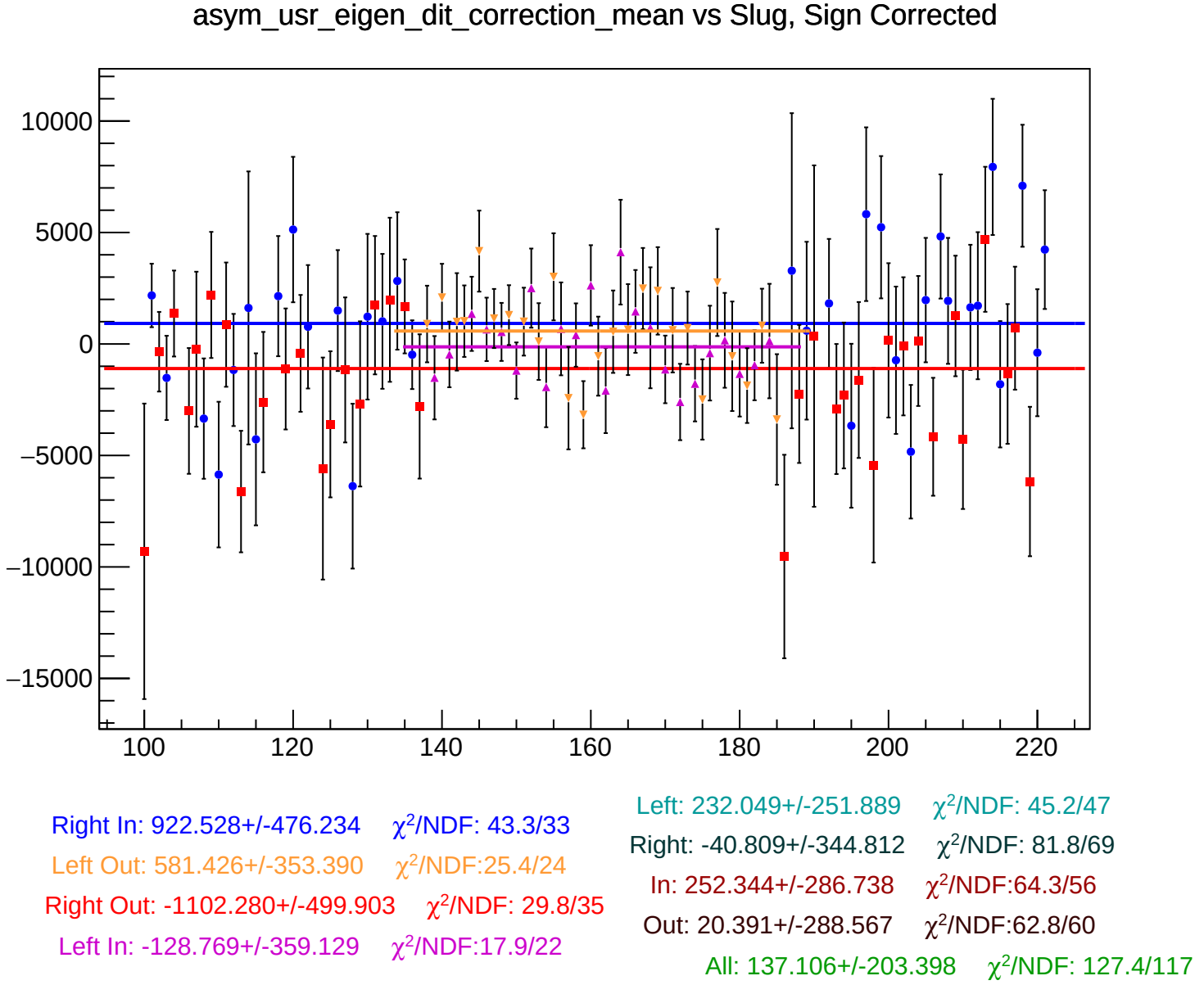
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

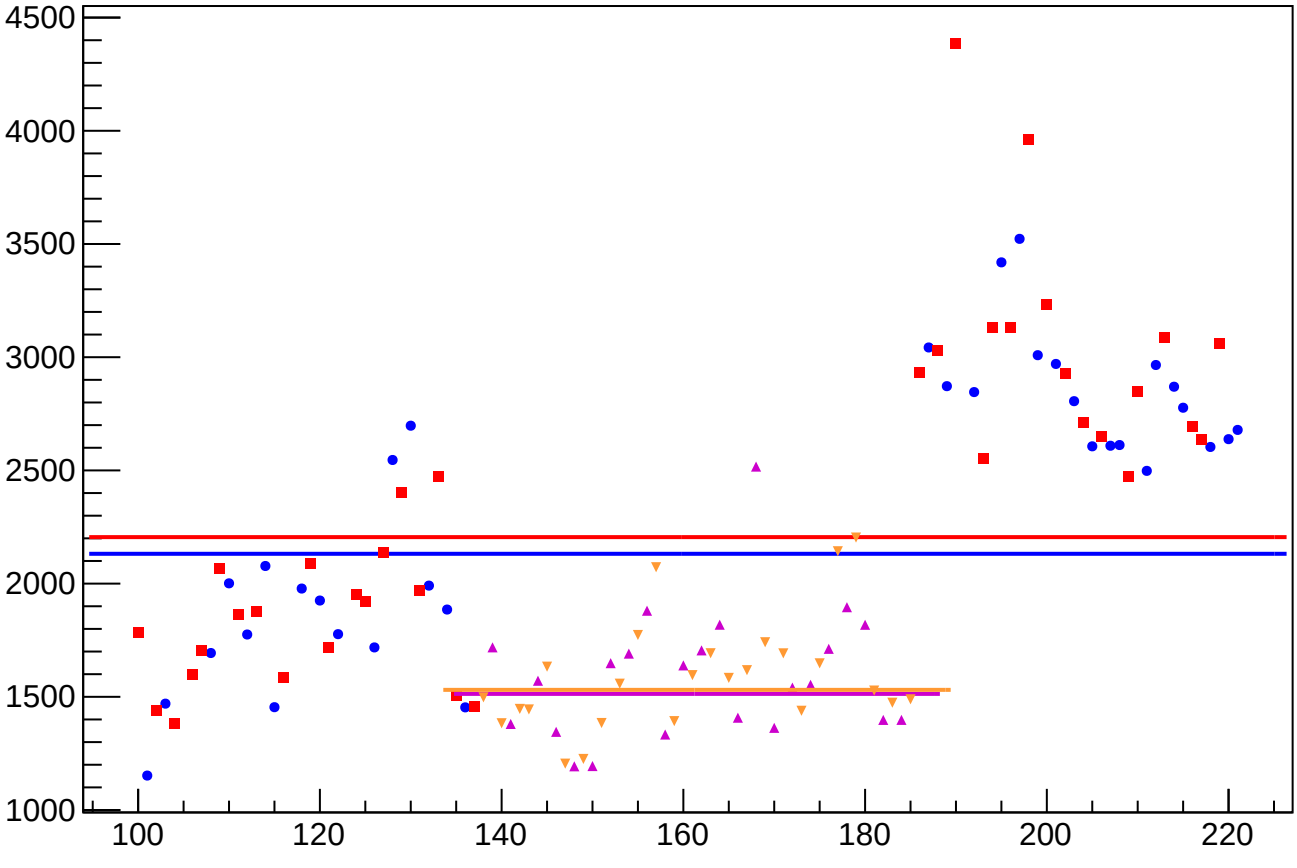
Right: 1095.100+/-0.118 χ^2/NDF: 60856.1/69

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

Out: 1099.924+/-0.122 χ^2/NDF:42689.0/60

All: 1097.865+/-0.086 χ^2/NDF: 72649.7/117


asym_usr_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 922.528+/-476.234 χ²/NDF: 43.3/33
Left Out: 581.426+/-353.390 χ²/NDF:25.4/24
Right Out: -1102.280+/-499.903 χ²/NDF: 29.8/35
Left In: -128.769+/-359.129 χ²/NDF:17.9/22
Left: 232.049+/-251.889 χ²/NDF: 45.2/47
Right: -40.809+/-344.812 χ²/NDF: 81.8/69
In: 252.344+/-286.738 χ²/NDF:64.3/56
Out: 20.391+/-288.567 χ²/NDF:62.8/60
All: 137.106+/-203.398 χ²/NDF: 127.4/117



Right In: 2131.720+/-0.337 χ^2/NDF: 3788524.9/33

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2205.354+/-0.353 χ^2/NDF: 3353532.9/35

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

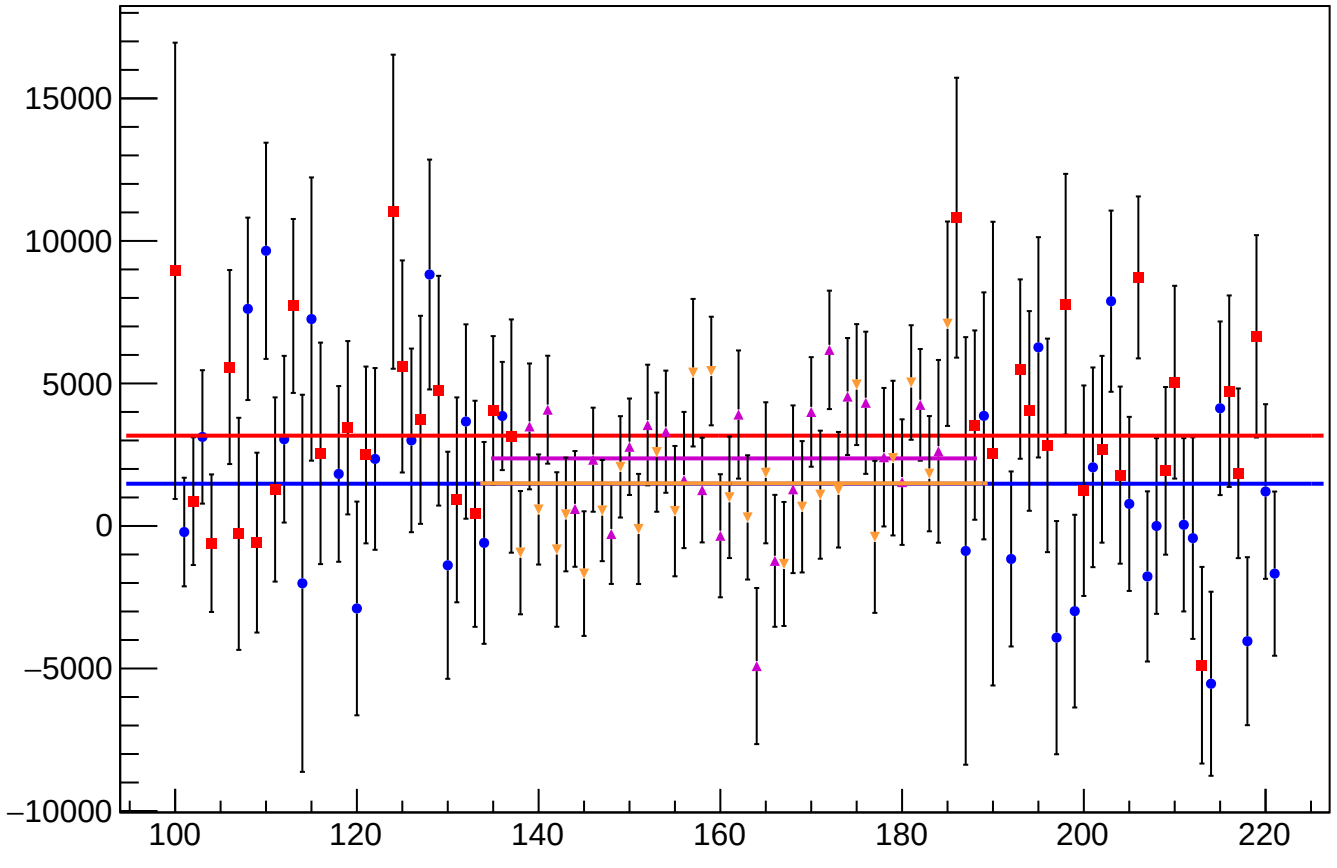
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2166.753+/-0.244 χ^2/NDF: 7164805.8/69

In: 1737.265+/-0.203 χ^2/NDF:6897951.0/56

Out: 1755.550+/-0.204 χ^2/NDF:6577569.9/60

All: 1746.349+/-0.144 χ^2/NDF: 13479561.1/1



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: 3168.759+/-566.466 χ^2/NDF: 28.6/35

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

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

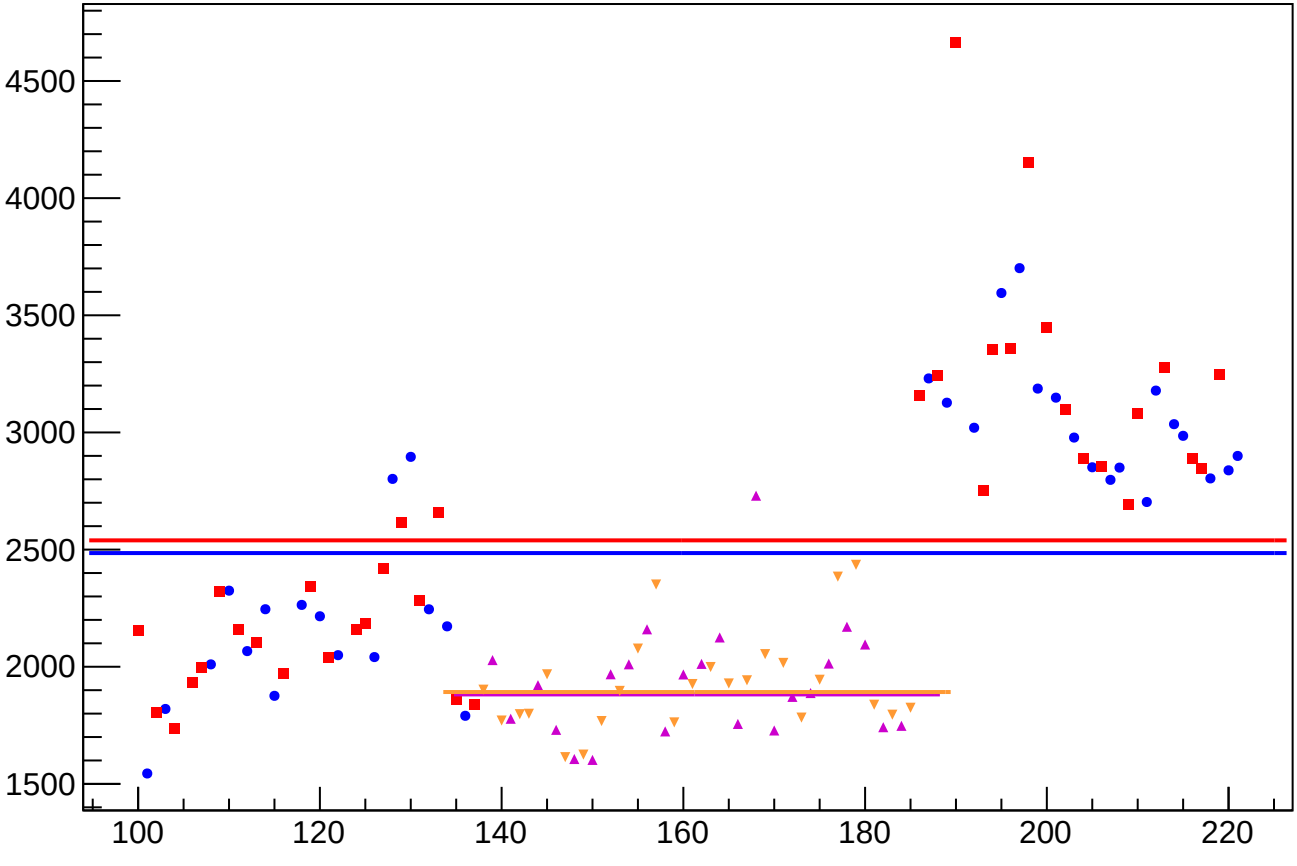
Right: 2291.844+/-392.480 χ^2/NDF: 75.0/69

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

Out: 2112.653+/-344.108 χ^2/NDF:57.9/60

All: 2064.606+/-243.128 χ^2/NDF: 125.0/117

asym_usr_rms vs Slug, Sign Corrected



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: 2539.415+/-0.401 χ^2/NDF: 2178523.9/35

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

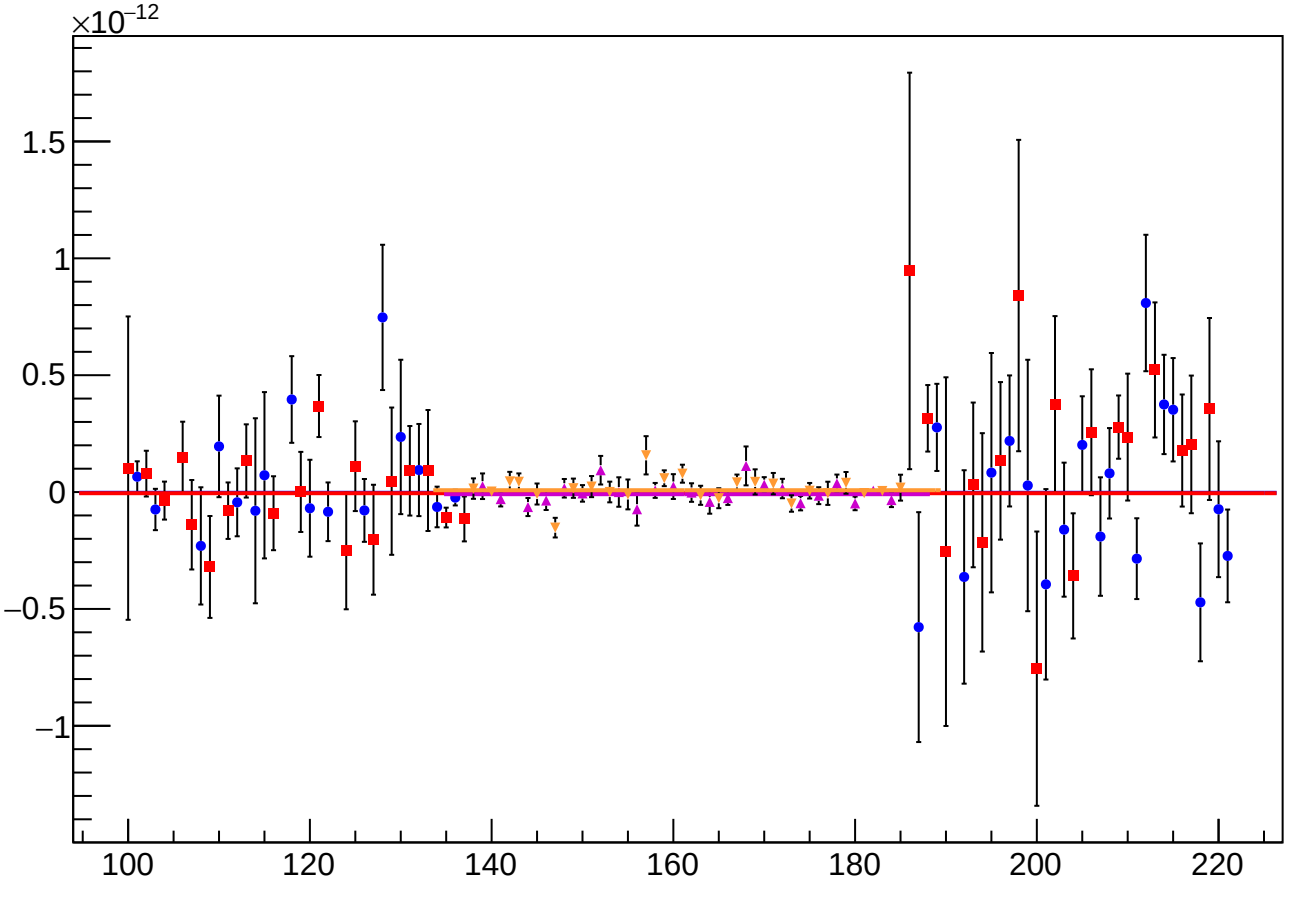
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2511.209+/-0.278 χ^2/NDF: 4422857.2/69

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

Out: 2130.979+/-0.243 χ^2/NDF:4216002.2/60

All: 2126.605+/-0.172 χ^2/NDF: 8392136.4/11



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: 47.9/35

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

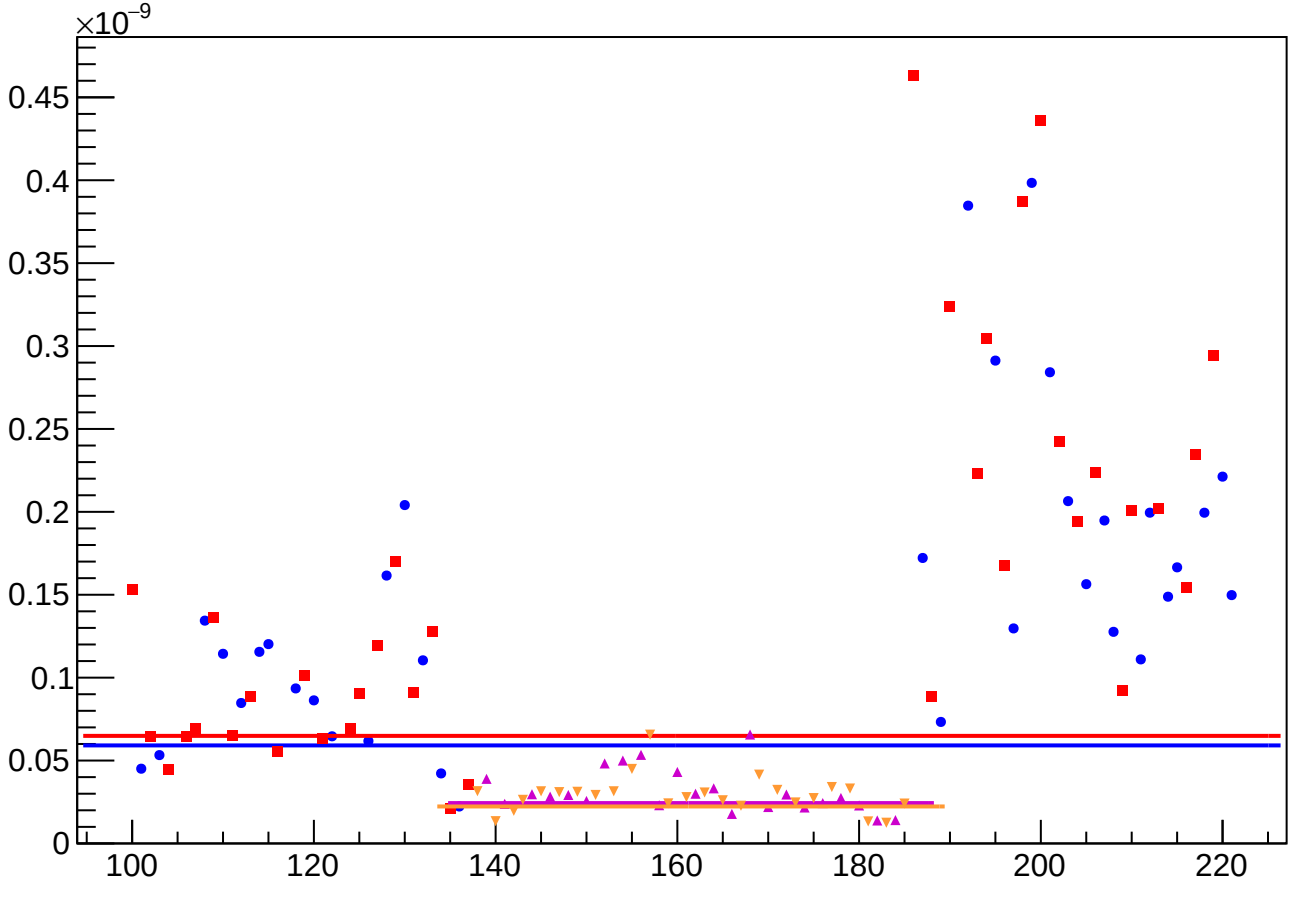
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 93.7/69

In: -0.000+/-0.000 χ^2/NDF:65.0/56

Out: 0.000+/-0.000 χ^2/NDF:80.5/60

All: -0.000+/-0.000 χ^2/NDF: 148.0/117



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: 10746401.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

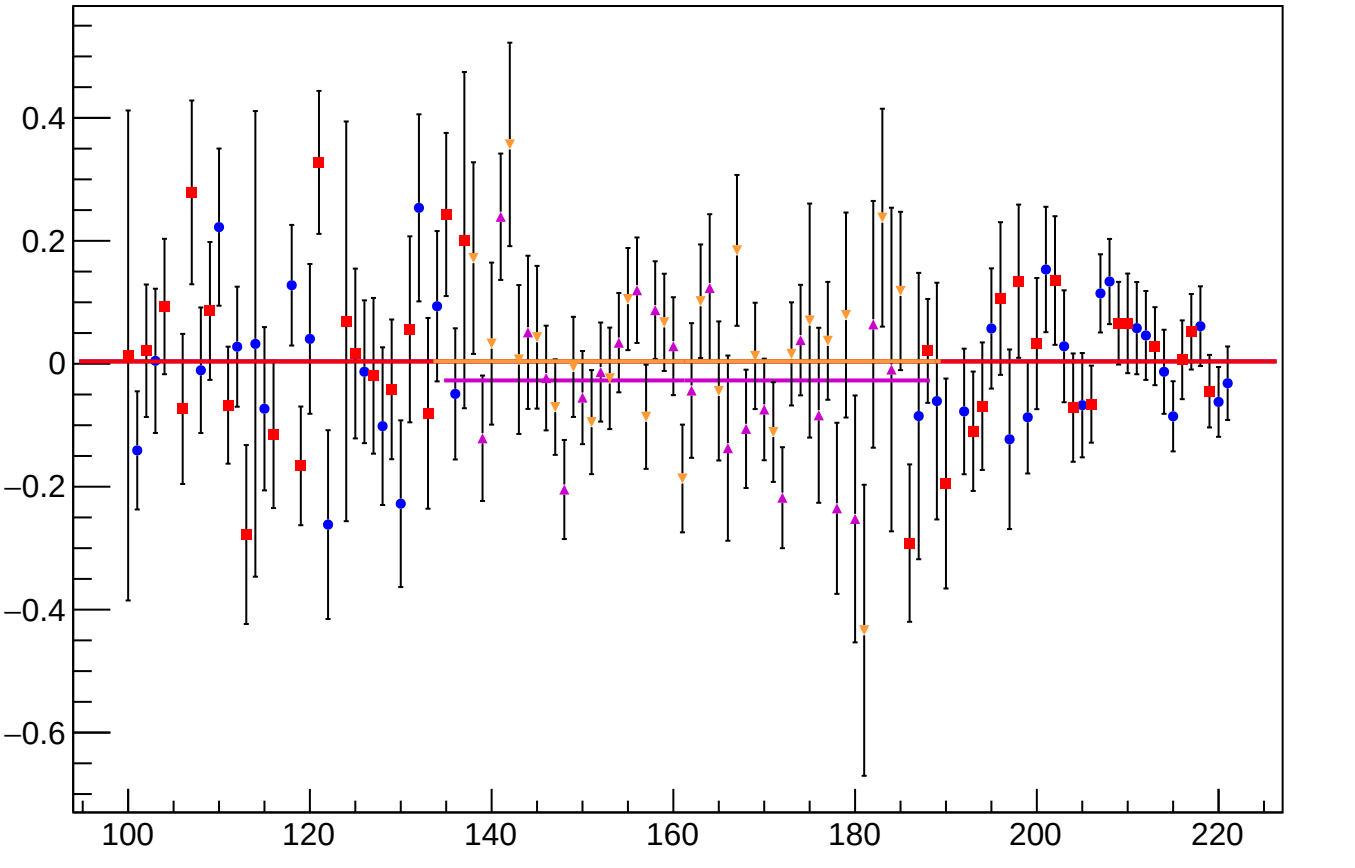
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 22710264.6/69

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

Out: 0.000+/-0.000 χ^2/NDF:19767206.4/60

All: 0.000+/-0.000 χ^2/NDF: 39236763.1/117



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: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

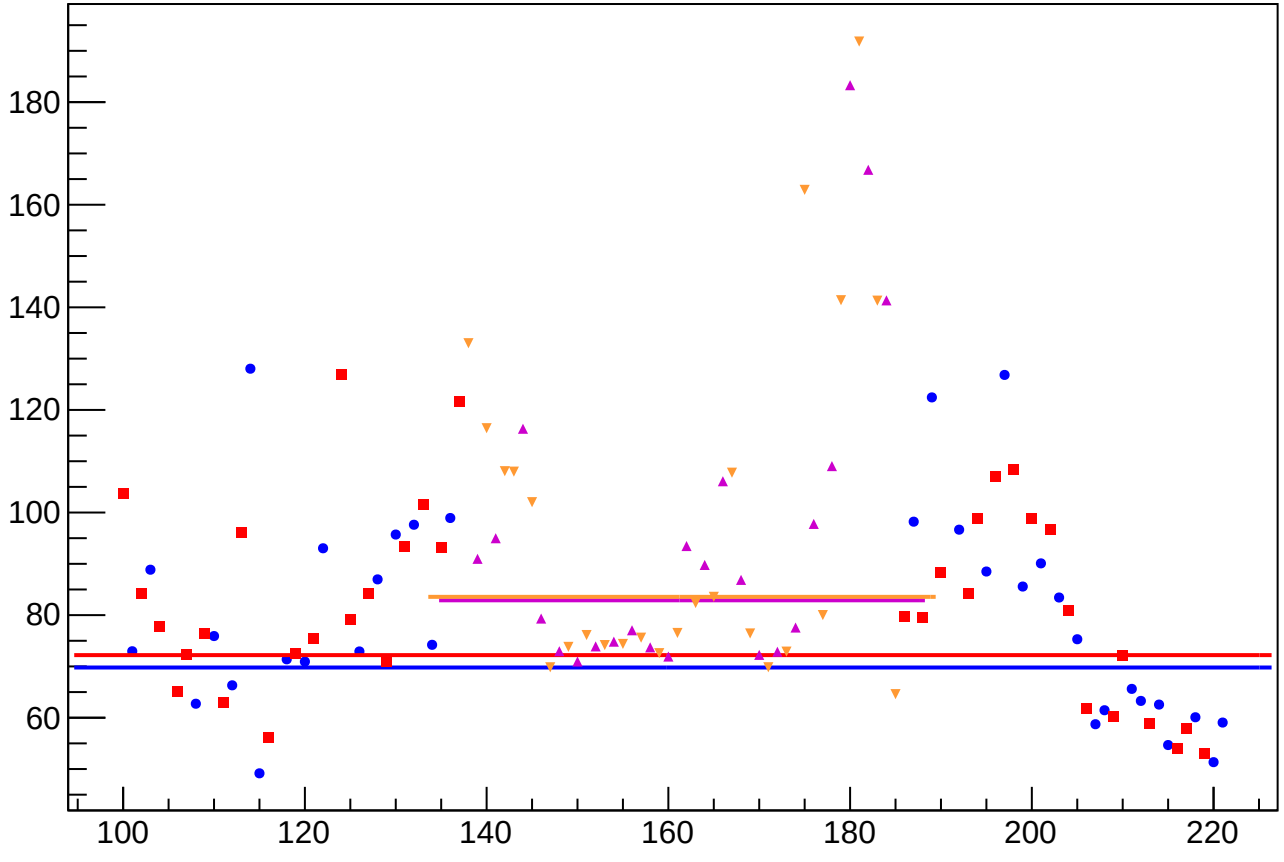
Right: 0.004+/-0.011 χ^2/NDF: 78.1/69

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: -0.002+/-0.009 χ^2/NDF: 140.0/117

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: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

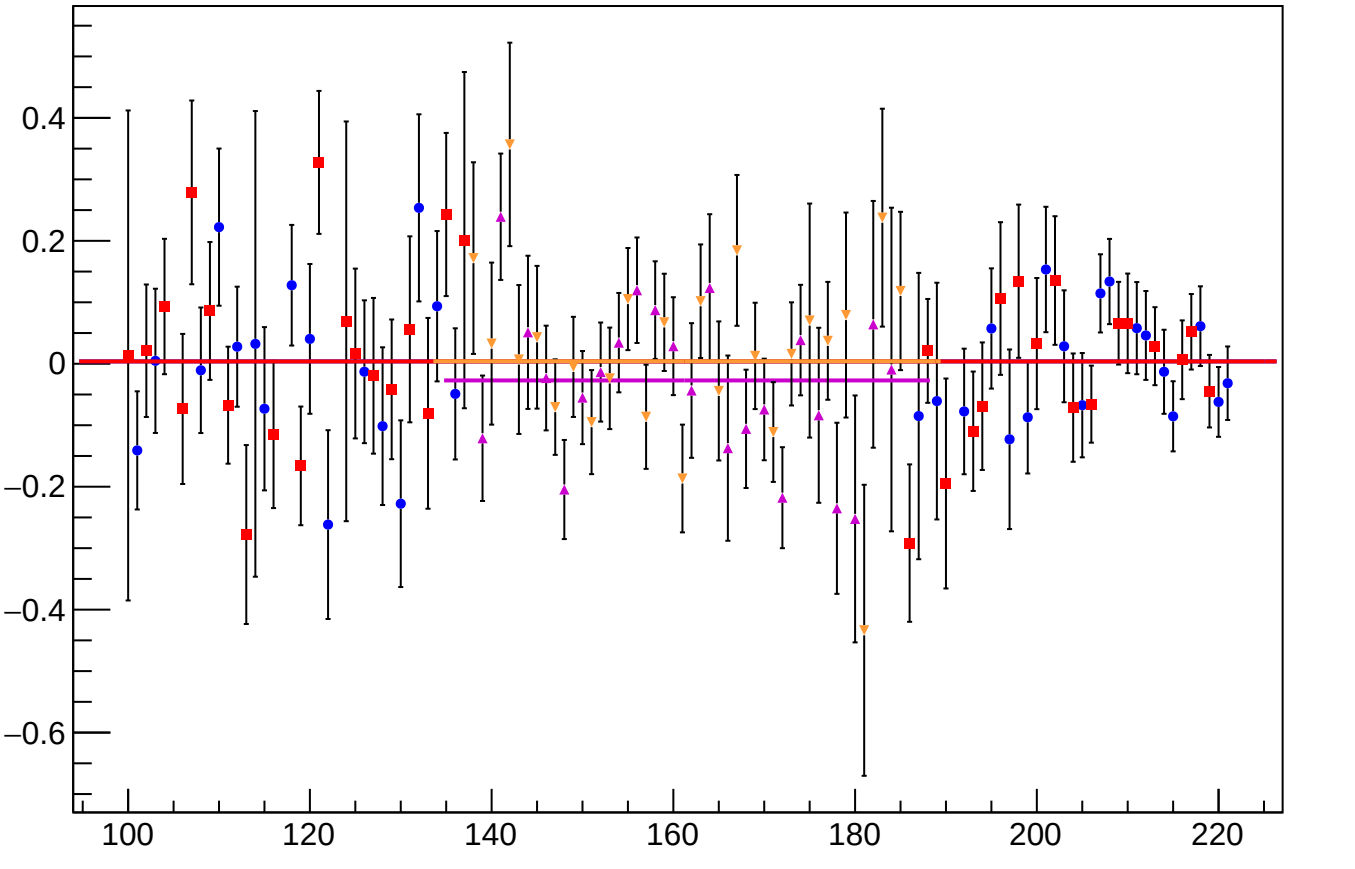
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 70.939+/-0.008 χ^2/NDF: 3984532.6/69

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

Out: 76.722+/-0.009 χ^2/NDF:4486683.4/60

All: 75.647+/-0.006 χ^2/NDF: 8625528.6/117



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: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

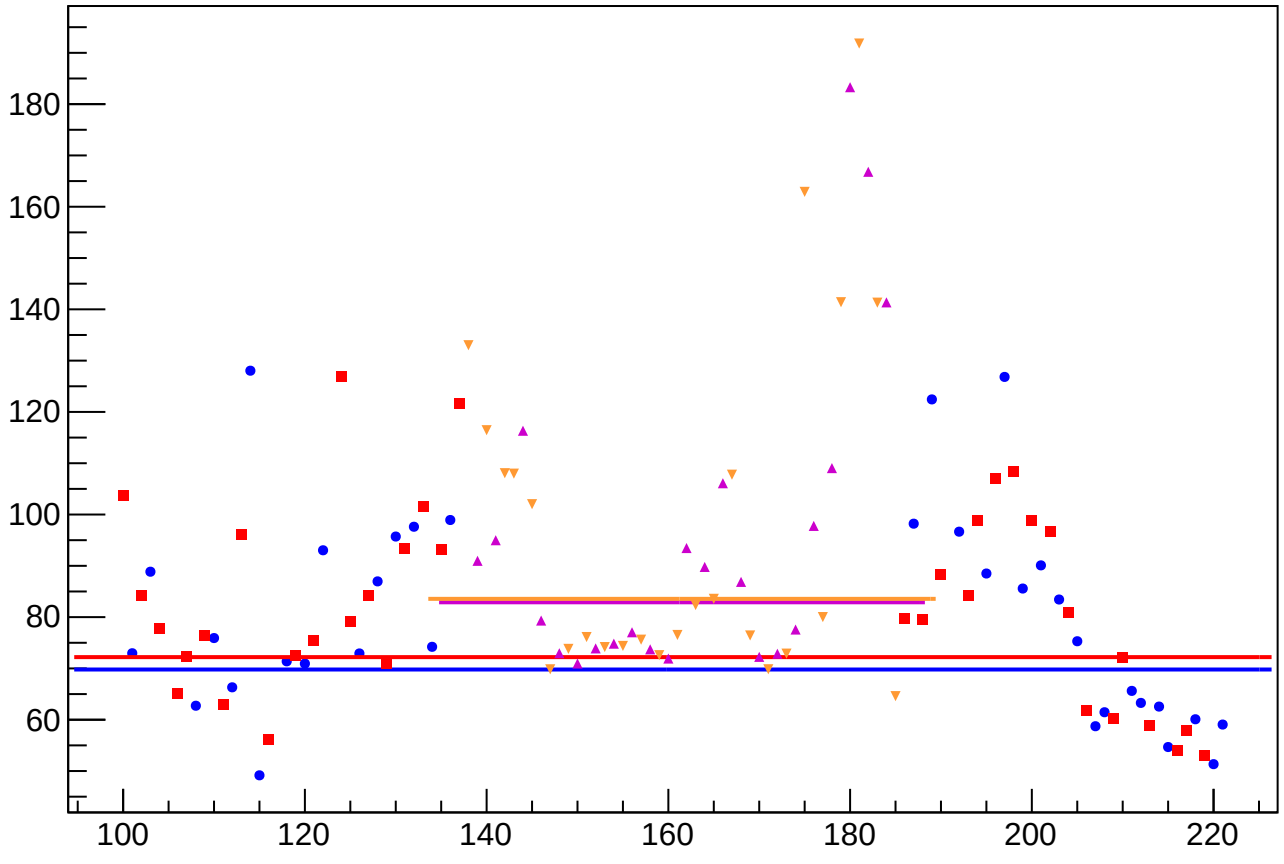
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.004+/-0.011 χ^2/NDF: 78.1/69

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: -0.002+/-0.009 χ^2/NDF: 140.0/117



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: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

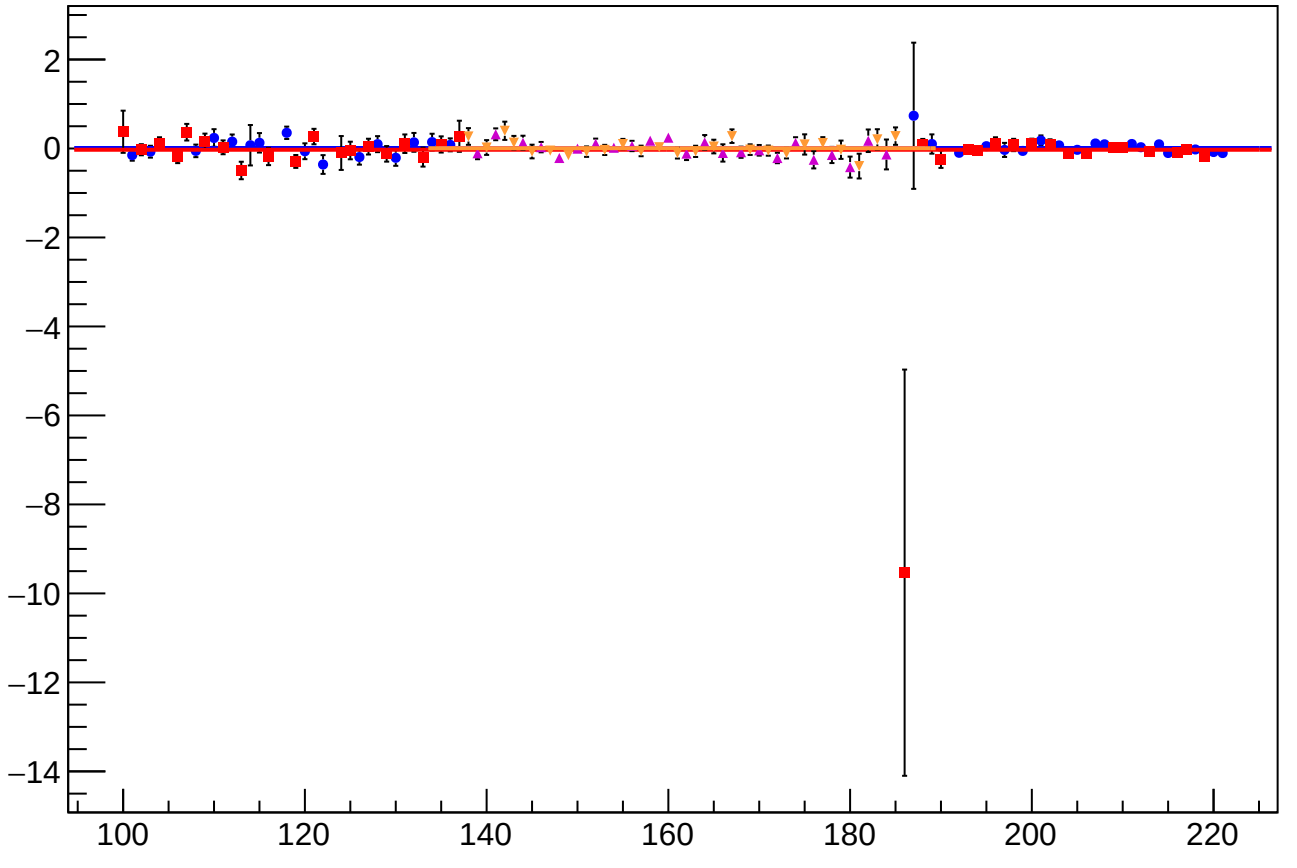
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 70.939+/-0.008 χ^2/NDF: 3984532.6/69

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

Out: 76.722+/-0.009 χ^2/NDF:4486683.4/60

All: 75.647+/-0.006 χ^2/NDF: 8625528.6/117



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: -0.028+/-0.022 χ^2/NDF: 40.4/35

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

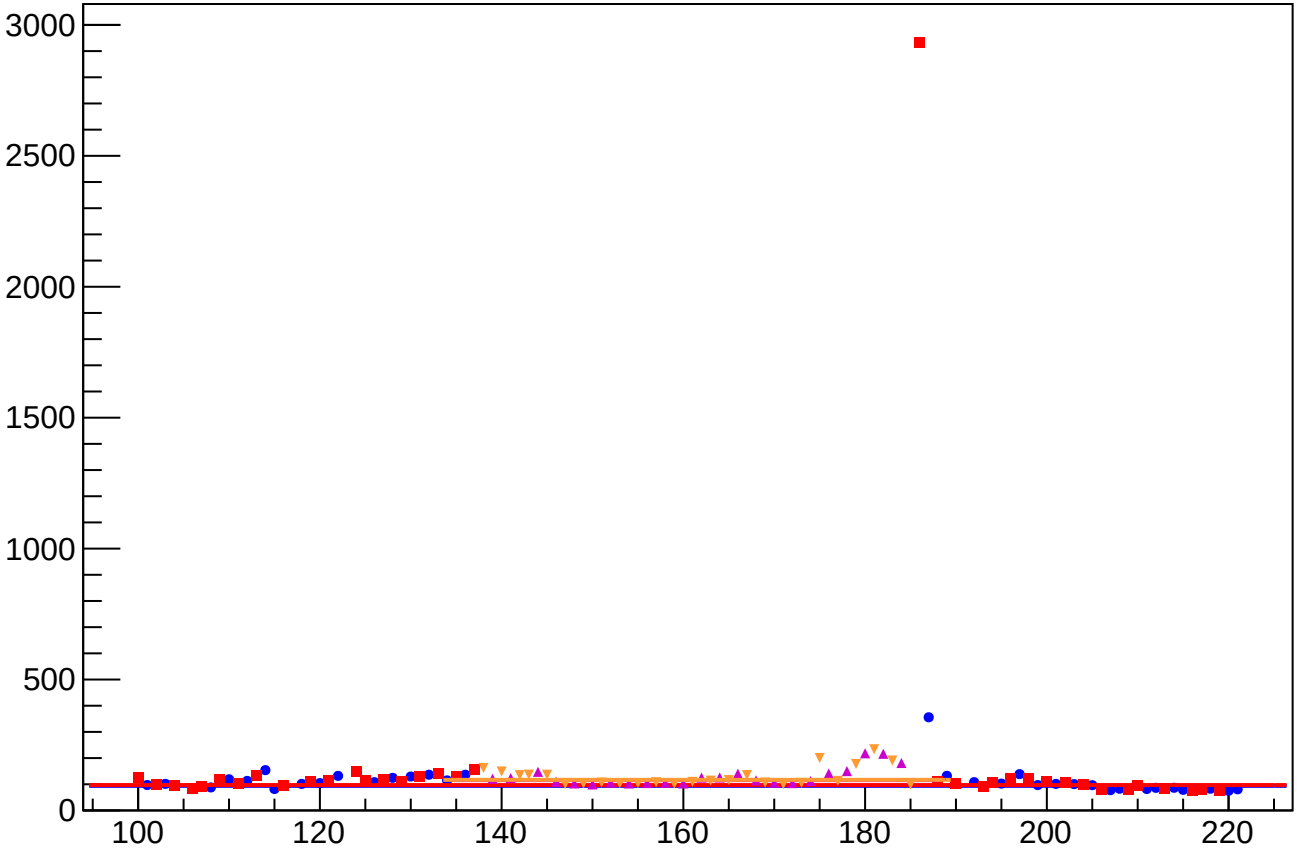
Right: -0.008+/-0.015 χ^2/NDF: 74.0/69

In: 0.010+/-0.017 χ^2/NDF:63.3/56

Out: -0.015+/-0.017 χ^2/NDF:62.7/60

All: -0.002+/-0.012 χ^2/NDF: 127.1/117

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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: 96.907+/-0.016 χ^2/NDF: 1995229.1/35

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

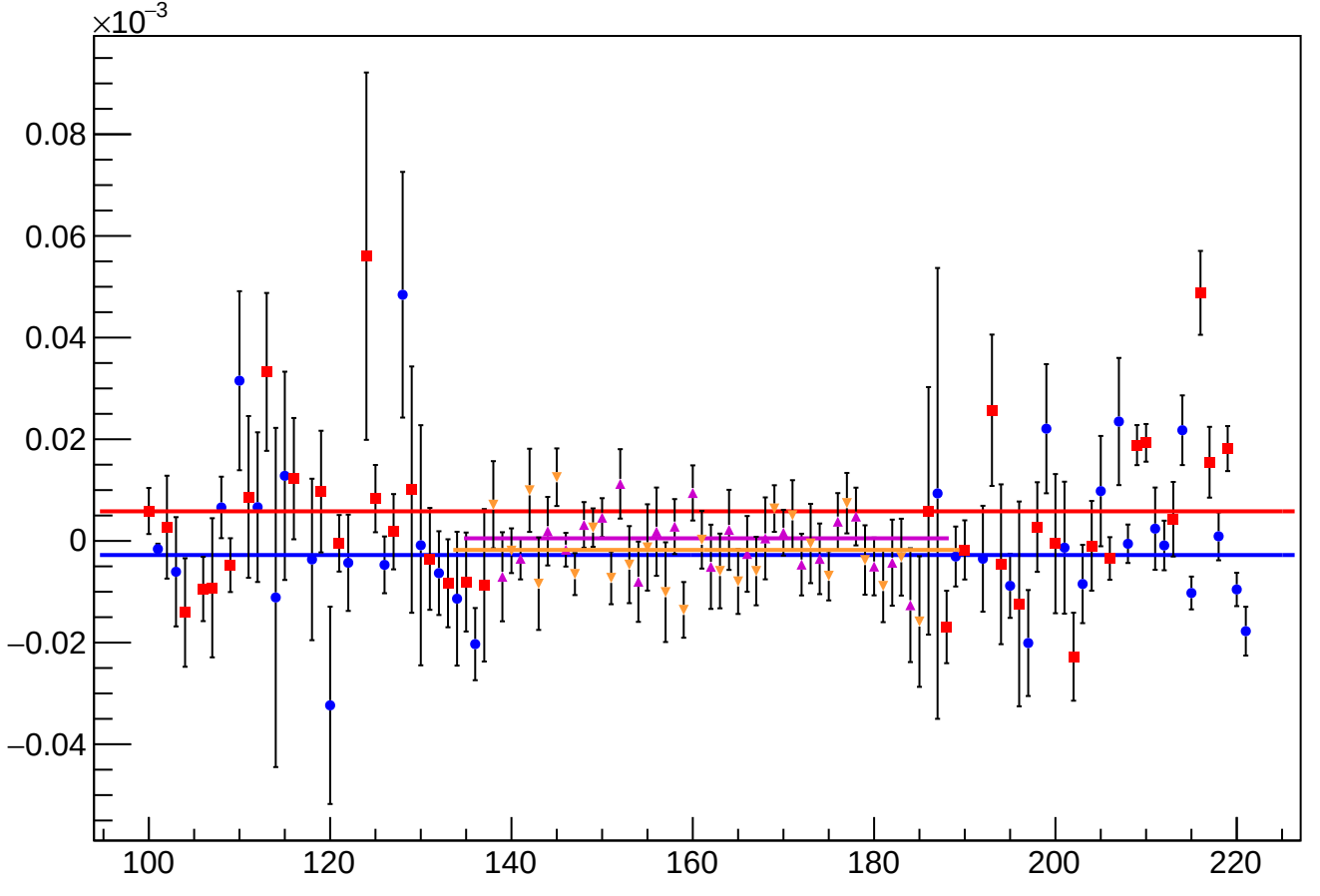
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 95.419+/-0.011 χ^2/NDF: 3384579.8/69

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

Out: 104.579+/-0.012 χ^2/NDF:4229672.0/60

All: 103.144+/-0.008 χ^2/NDF: 7632994.6/117



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: 121.1/35

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

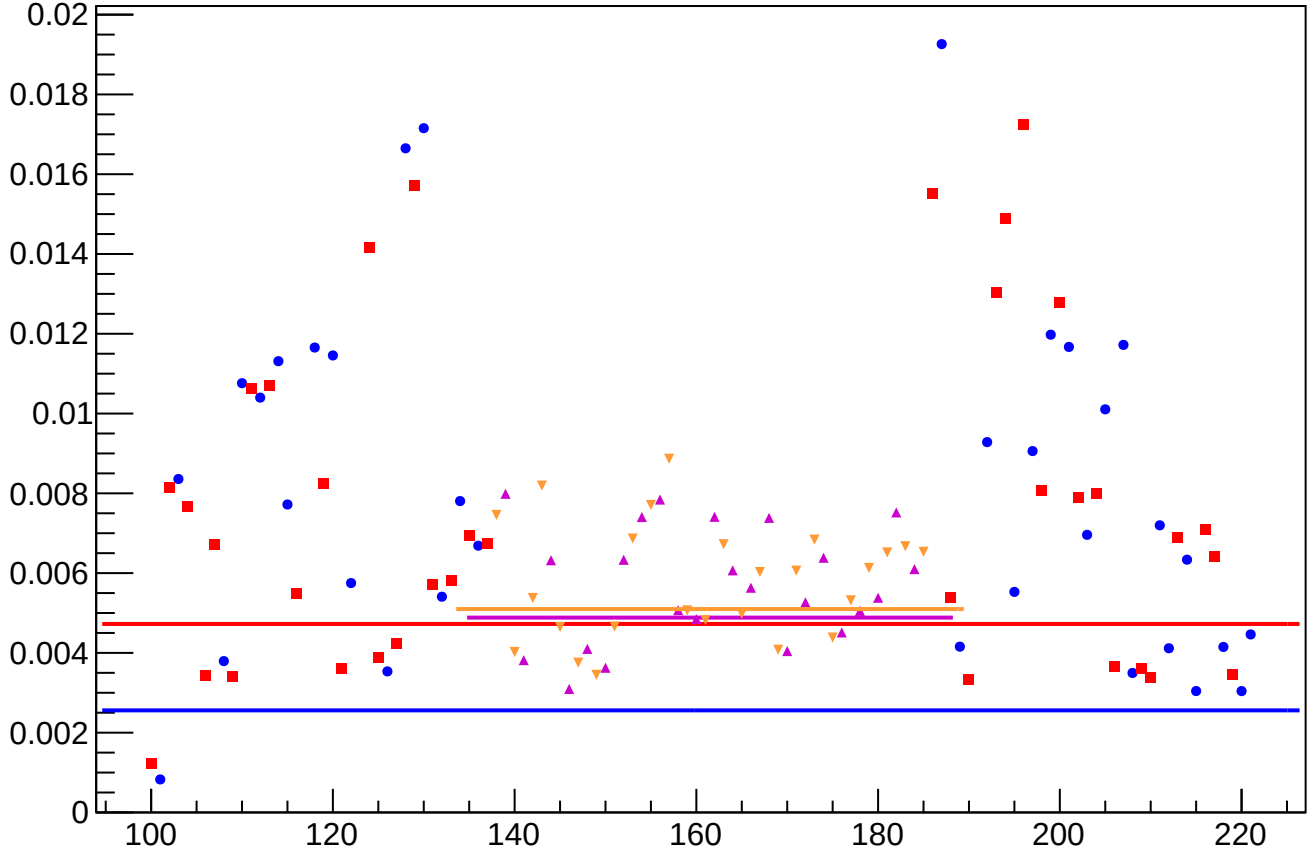
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 226.1/69

In: -0.000+/-0.000 χ^2/NDF:90.7/56

Out: 0.000+/-0.000 χ^2/NDF:171.7/60

All: -0.000+/-0.000 χ^2/NDF: 274.7/117



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: 8896548.1/35

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

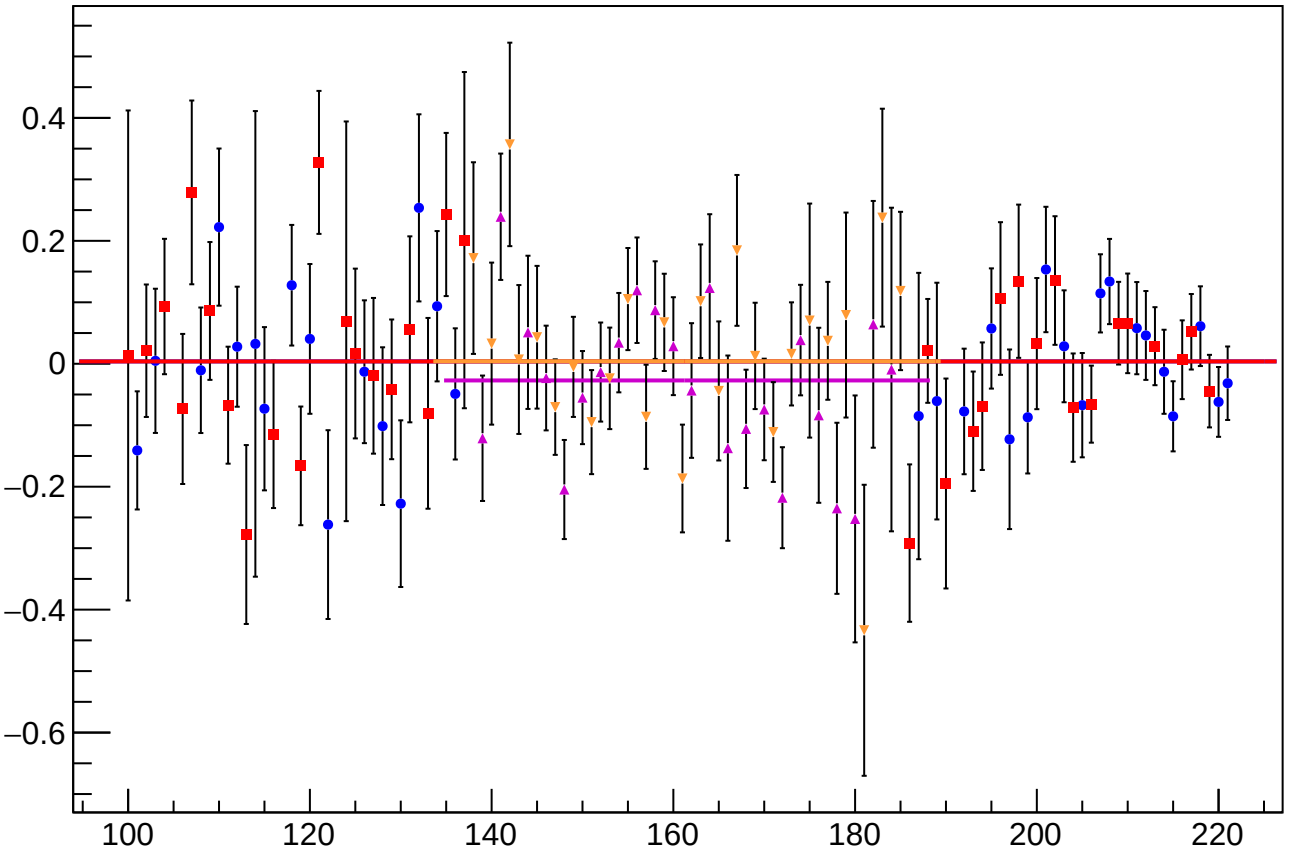
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 34299188.1/69

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

Out: 0.005+/-0.000 χ^2/NDF:11369753.6/60

All: 0.004+/-0.000 χ^2/NDF: 44930293.4/117



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: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

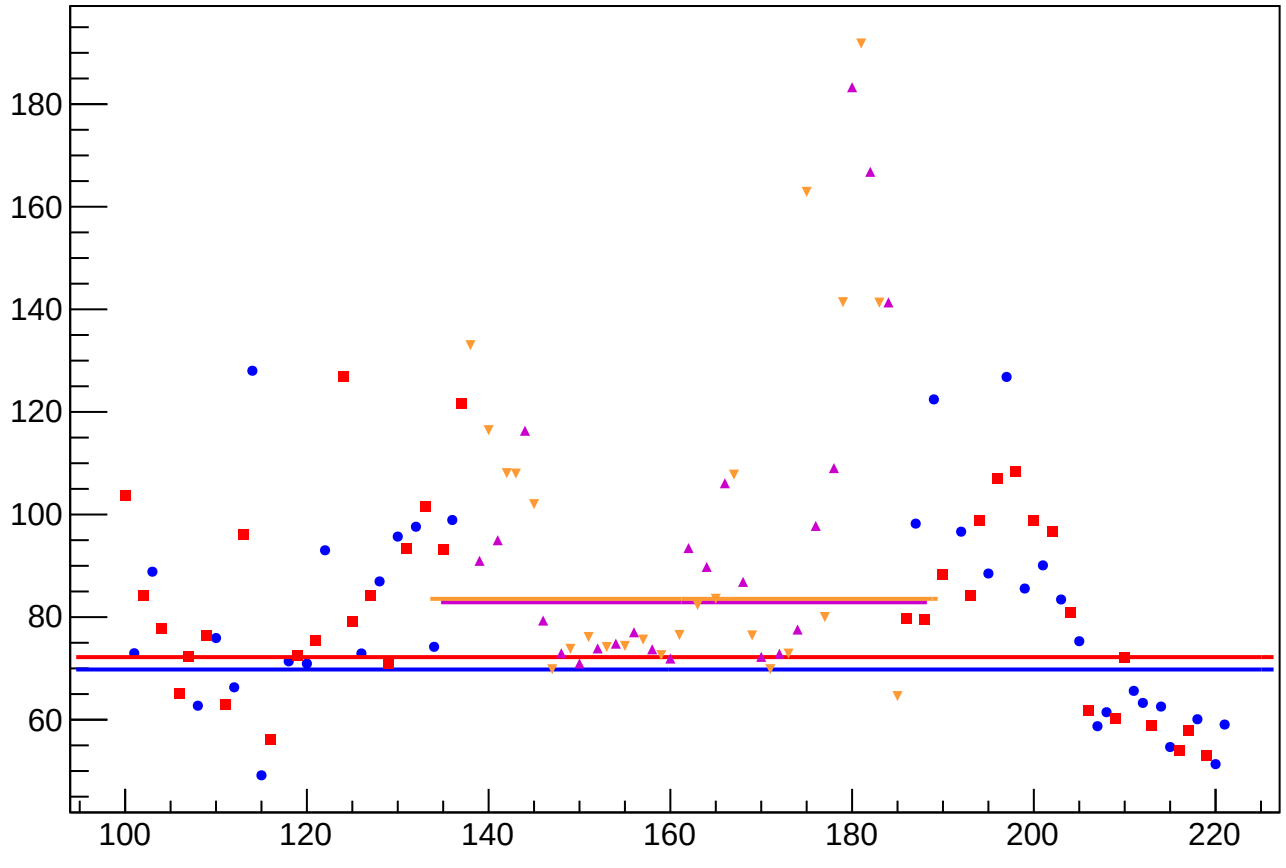
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.004+/-0.011 χ^2/NDF: 78.1/69

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: -0.002+/-0.009 χ^2/NDF: 140.0/117



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: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

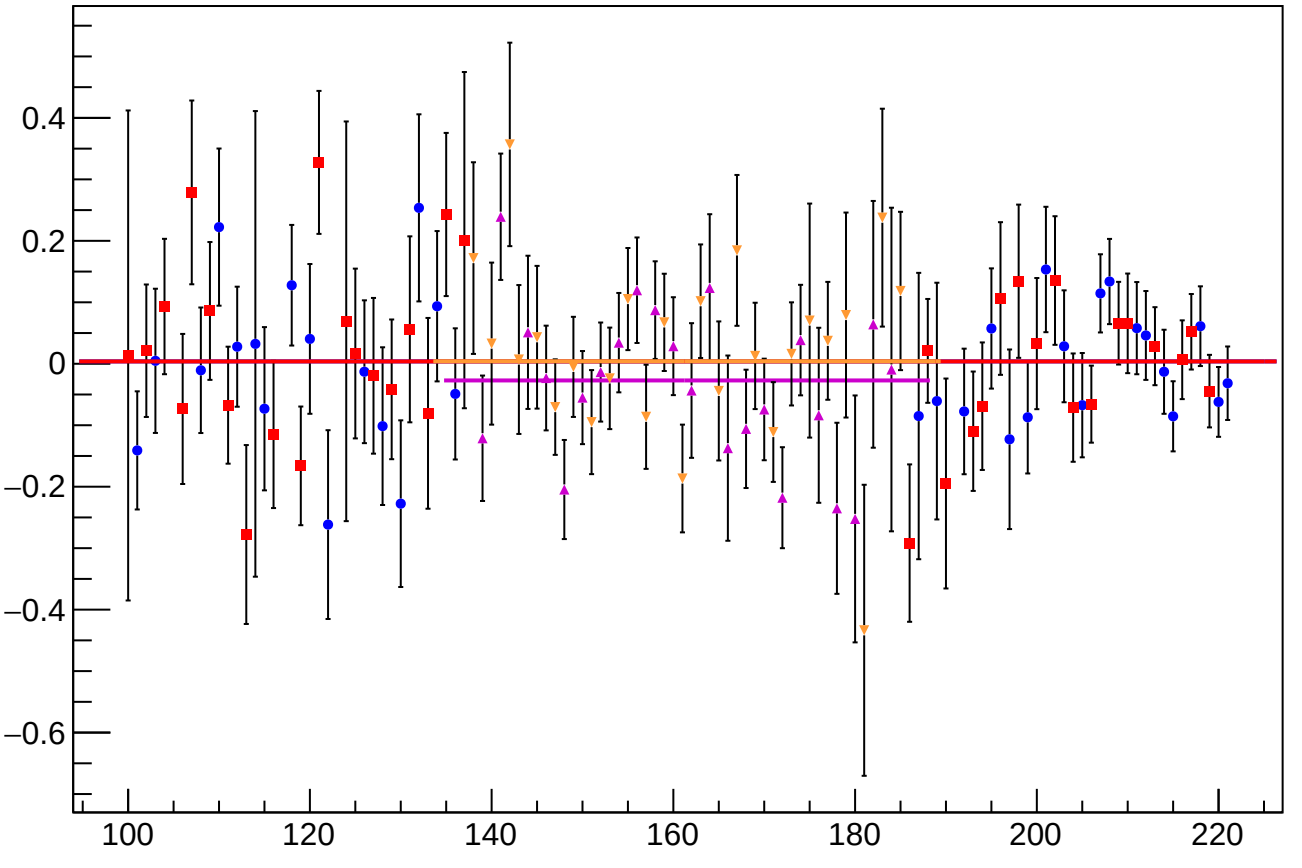
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 70.939+/-0.008 χ^2/NDF: 3984296.3/69

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

Out: 76.722+/-0.009 χ^2/NDF:4486688.8/60

All: 75.647+/-0.006 χ^2/NDF: 8625327.1/117



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: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

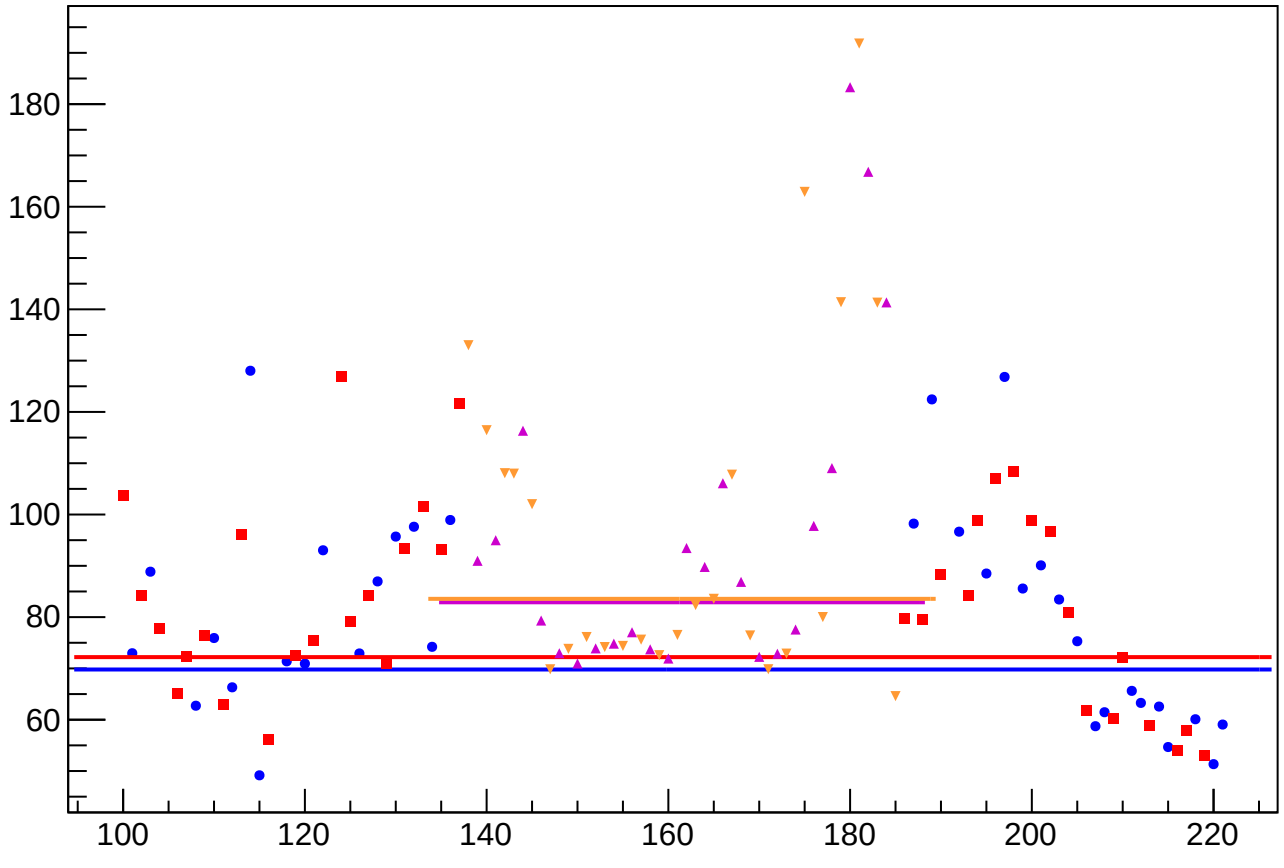
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.004+/-0.011 χ^2/NDF: 78.1/69

In: -0.008+/-0.012 χ^2/NDF:69.0/56

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: -0.002+/-0.009 χ^2/NDF: 140.0/117



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: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

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

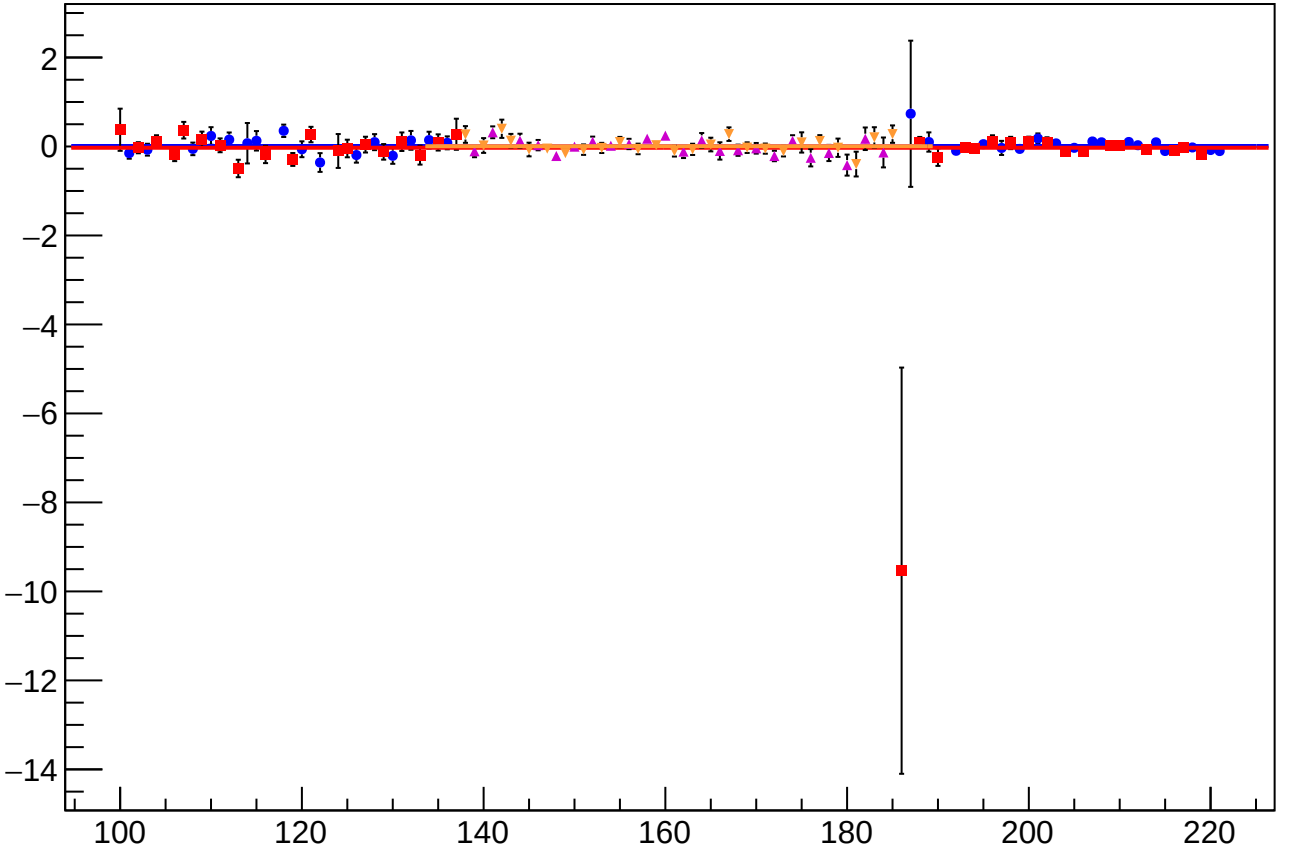
Right: 70.939+/-0.008 χ^2/NDF: 3984296.3/69

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

Out: 76.722+/-0.009 χ^2/NDF:4486688.8/60

All: 75.647+/-0.006 χ^2/NDF: 8625327.1/117

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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: -0.028+/-0.022 χ^2/NDF: 40.4/35

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

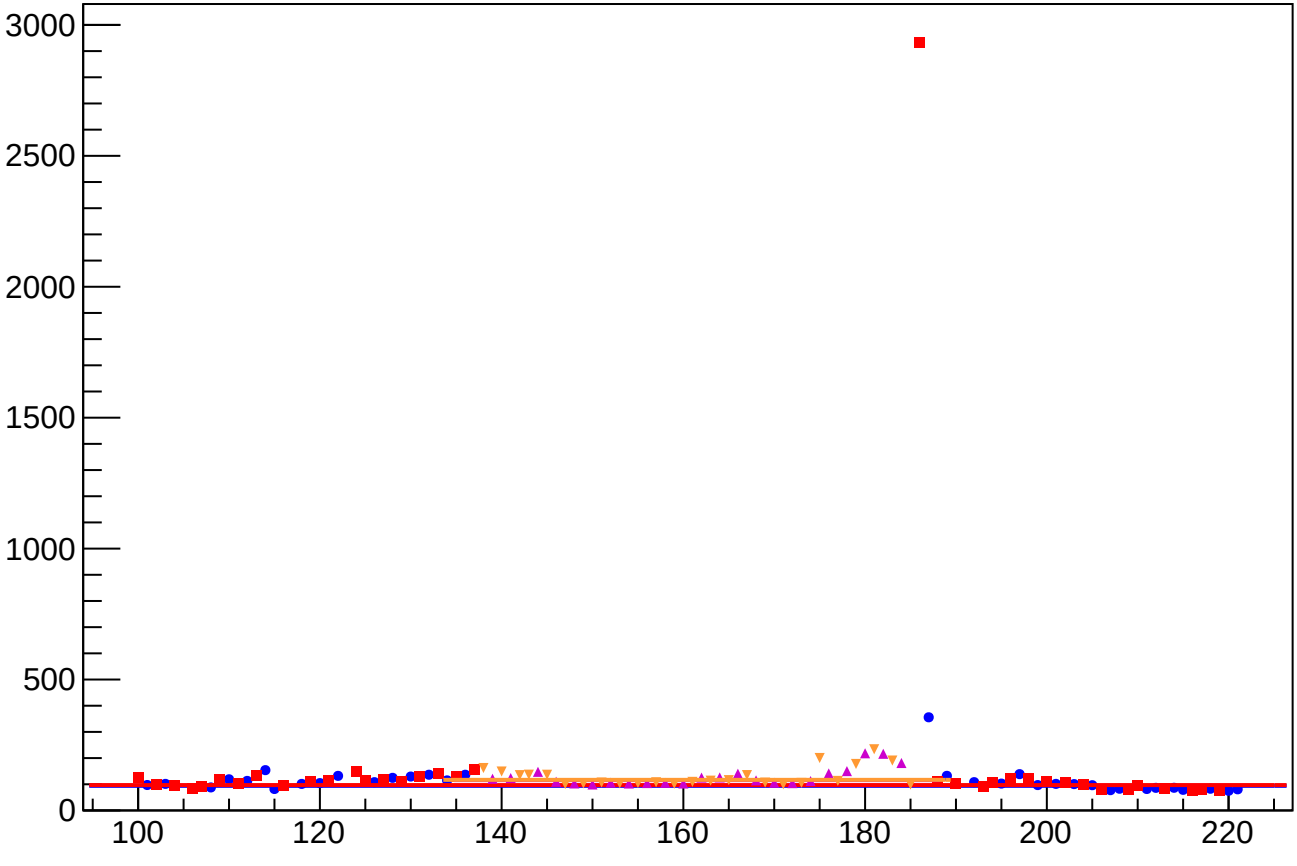
Right: -0.008+/-0.015 χ^2/NDF: 74.0/69

In: 0.010+/-0.017 χ^2/NDF:63.3/56

Out: -0.015+/-0.017 χ^2/NDF:62.7/60

All: -0.002+/-0.012 χ^2/NDF: 127.1/117

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: 96.907+/-0.016 χ^2/NDF: 1995170.3/35

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

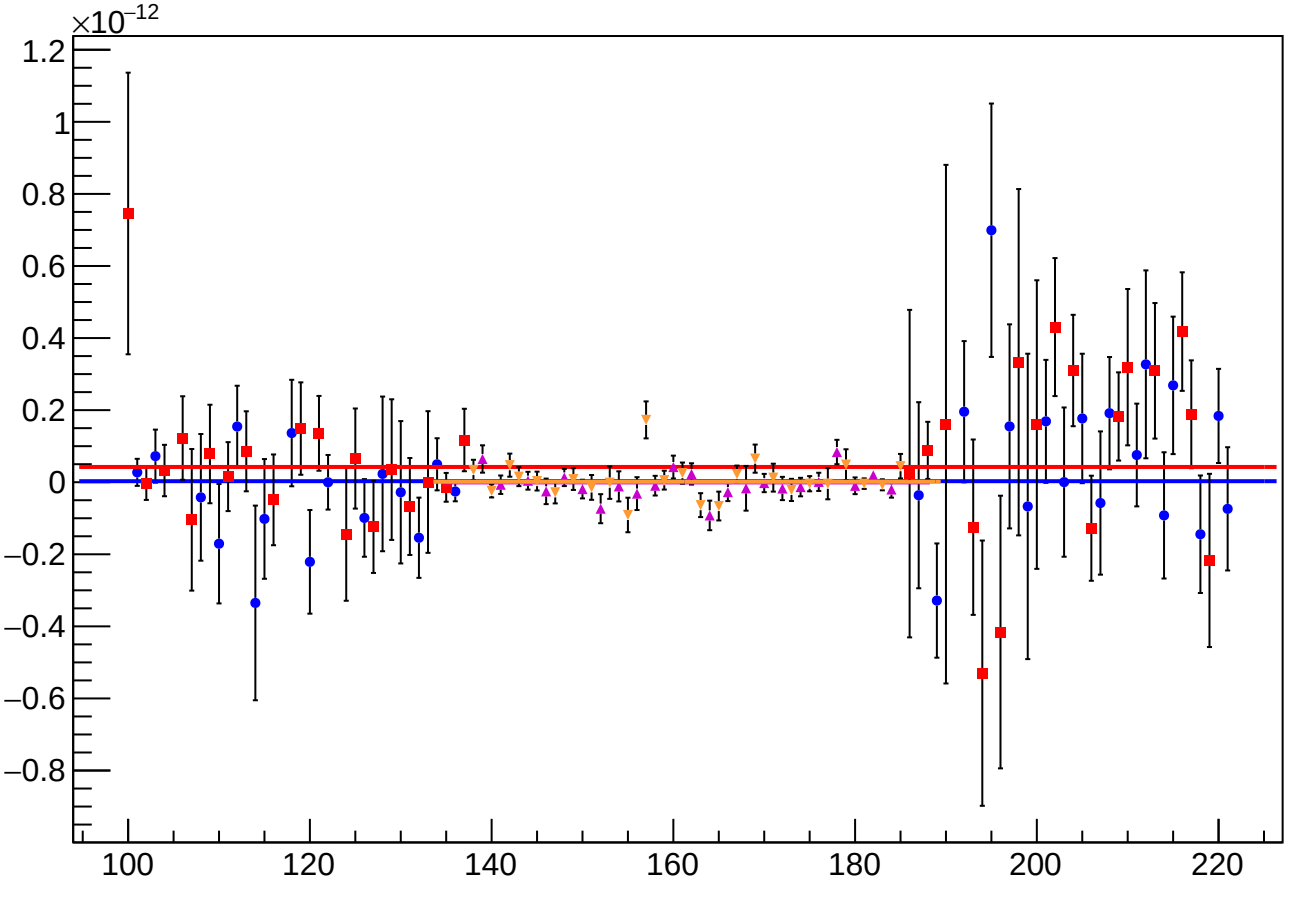
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 95.419+/-0.011 χ^2/NDF: 3384383.7/69

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

Out: 104.579+/-0.012 χ^2/NDF:4229651.5/60

All: 103.145+/-0.008 χ^2/NDF: 7632811.8/117



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: 39.7/35

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

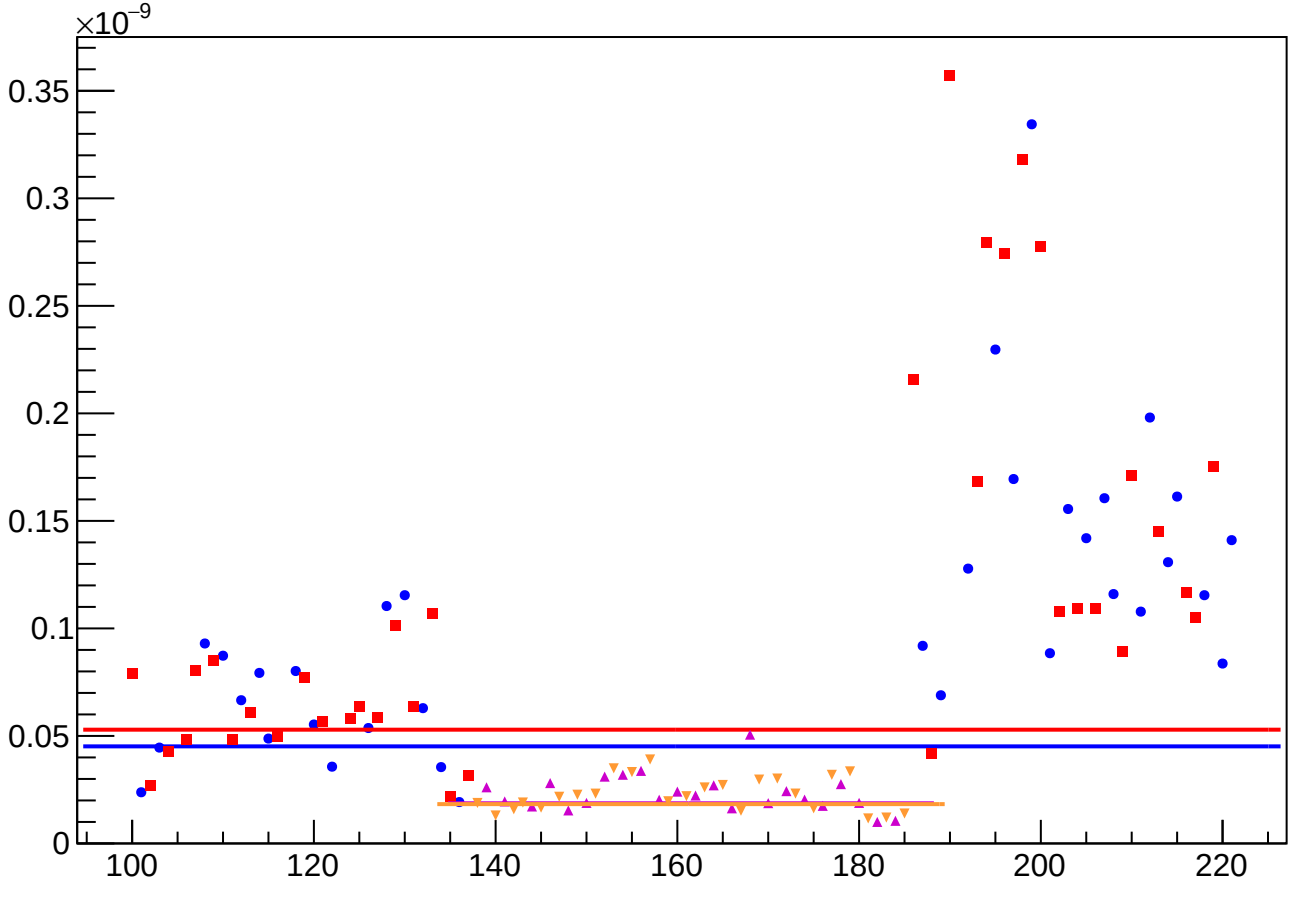
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 76.1/69

In: -0.000+/-0.000 χ^2/NDF:60.7/56

Out: 0.000+/-0.000 χ^2/NDF:80.6/60

All: 0.000+/-0.000 χ^2/NDF: 141.8/117



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: 9411825.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

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

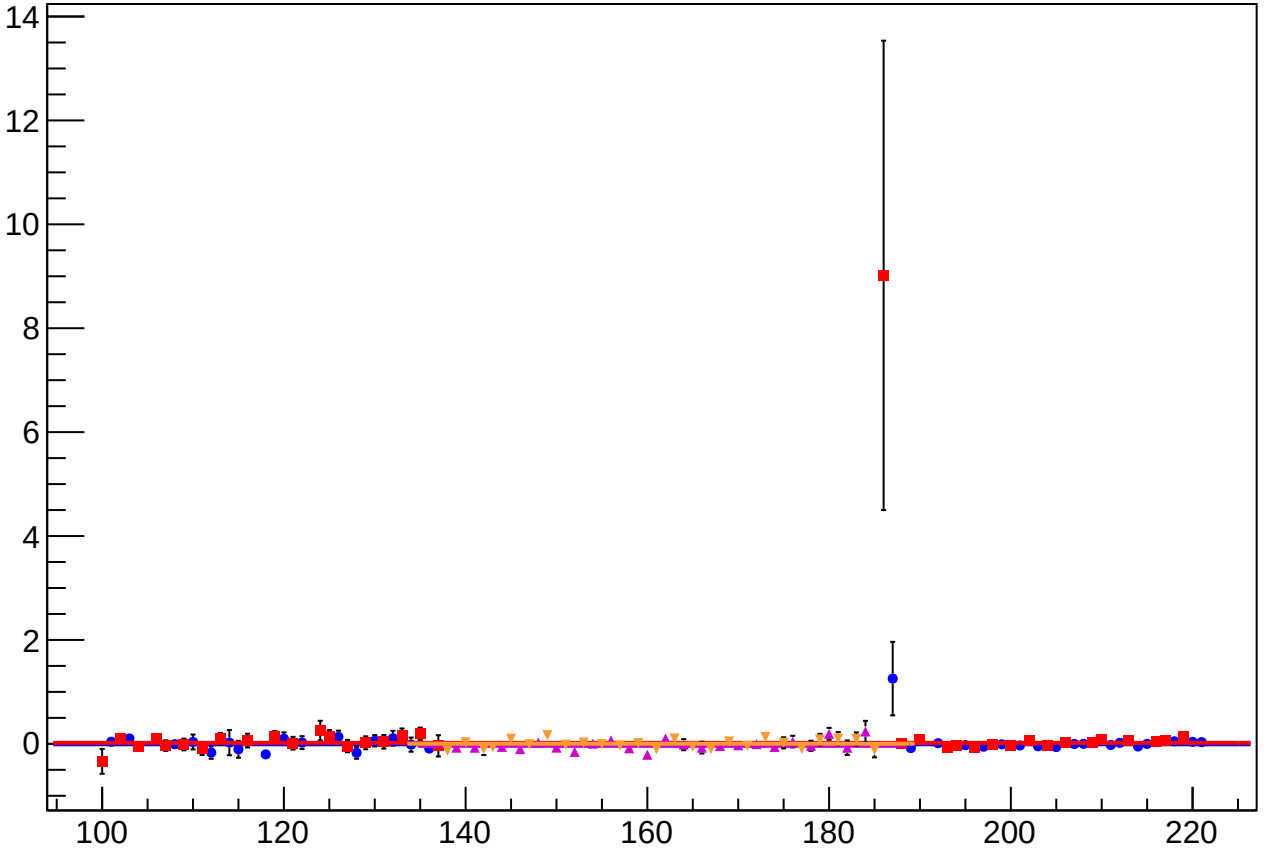
Right: 0.000+/-0.000 χ^2/NDF: 21303845.7/69

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

Out: 0.000+/-0.000 χ^2/NDF:18602891.8/60

All: 0.000+/-0.000 χ^2/NDF: 37781710.6/117

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: 0.019+/-0.011 χ^2/NDF: 47.4/35

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

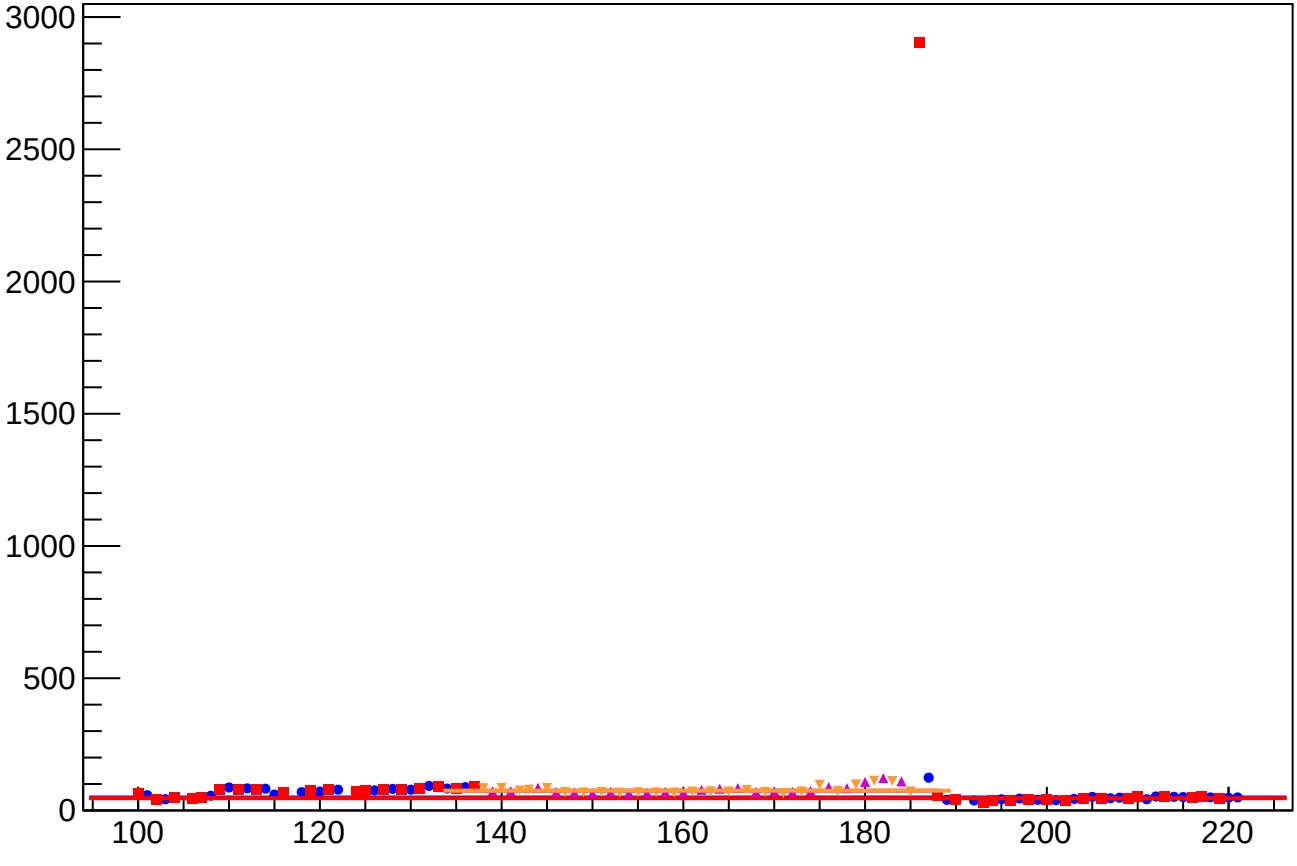
Right: 0.005+/-0.008 χ^2/NDF: 78.5/69

In: -0.017+/-0.009 χ^2/NDF:51.5/56

Out: 0.015+/-0.009 χ^2/NDF:69.6/60

All: -0.001+/-0.007 χ^2/NDF: 126.7/117

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: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

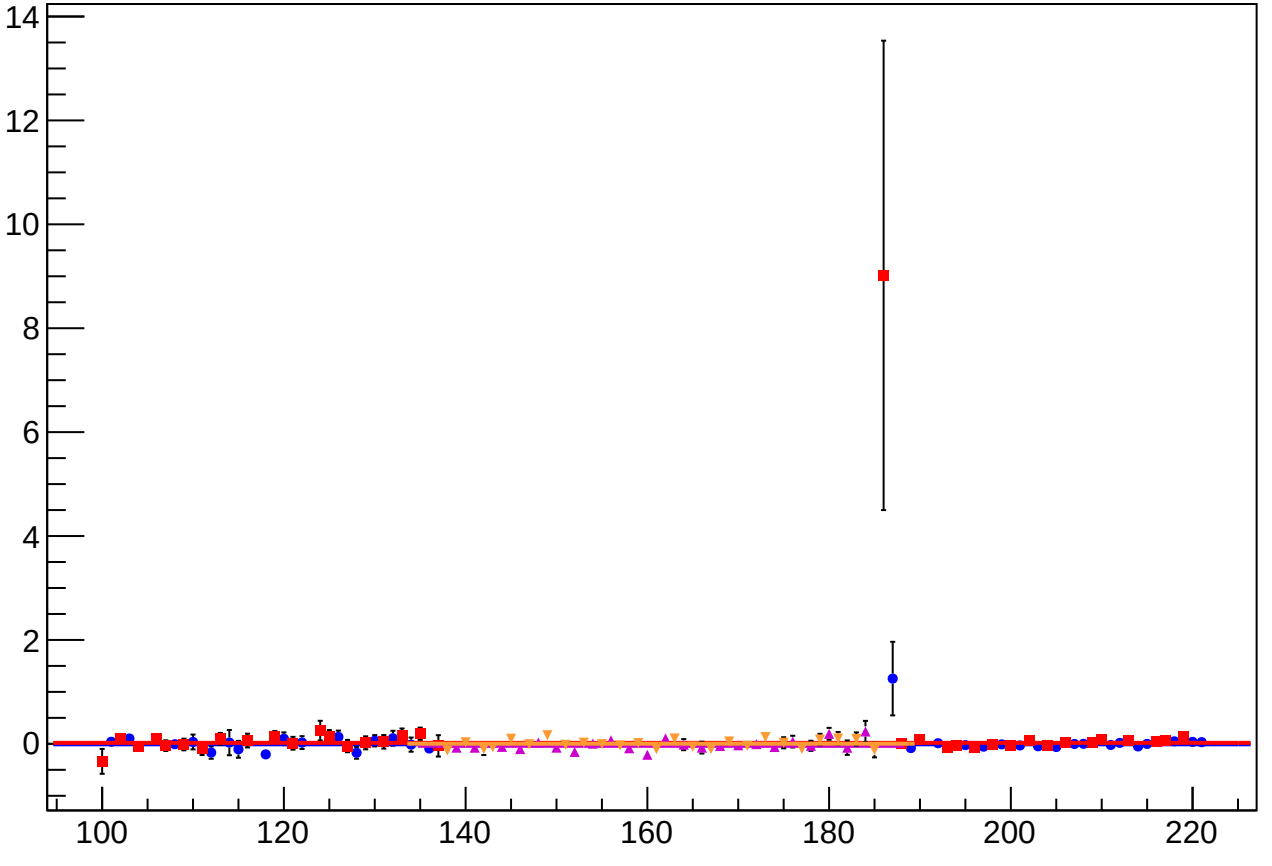
Right: 47.697+/-0.005 χ^2/NDF: 6041795.4/69

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

Out: 54.463+/-0.007 χ^2/NDF:8211785.7/60

All: 55.213+/-0.005 χ^2/NDF: 14245600.1/117

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: 0.019+/-0.011 χ^2/NDF: 47.4/35

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

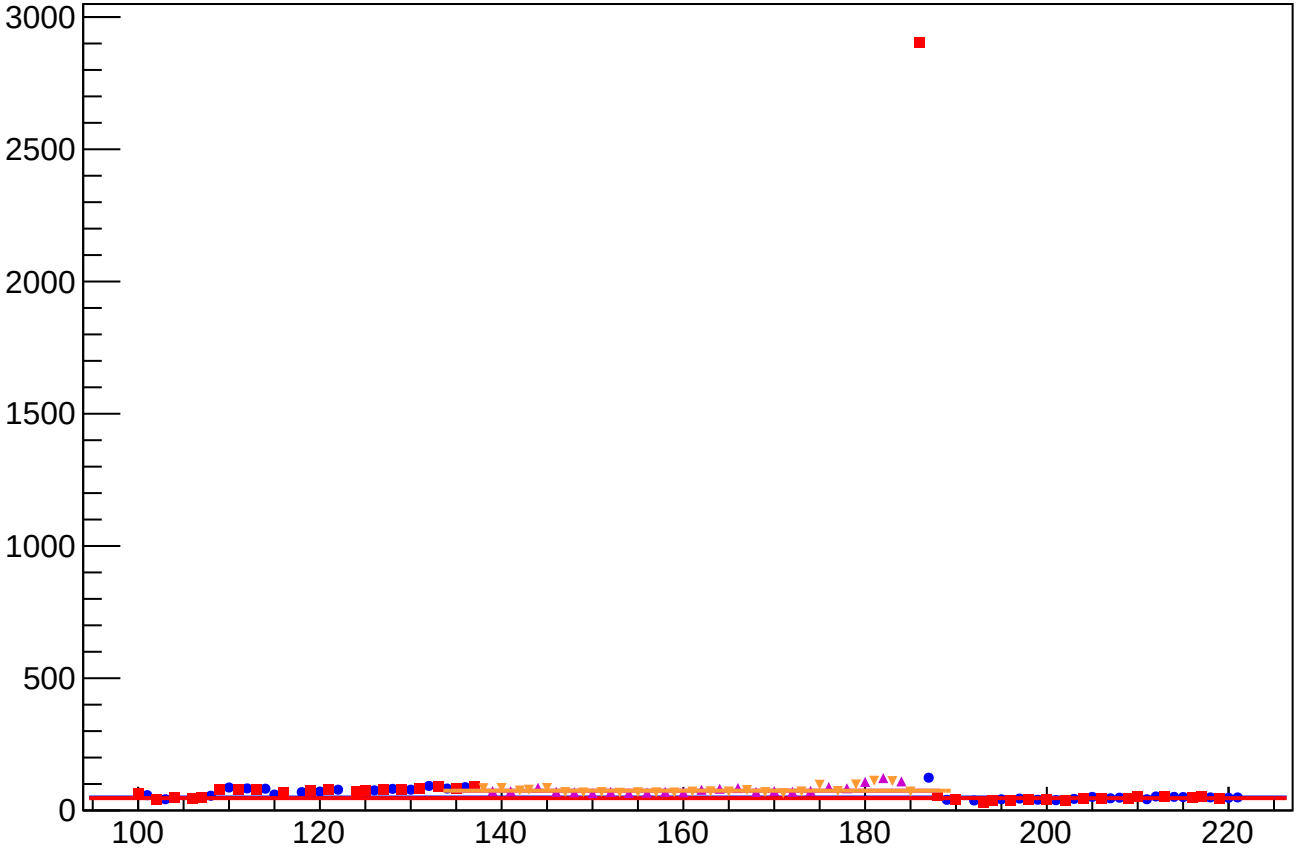
Right: 0.005+/-0.008 χ^2/NDF: 78.5/69

In: -0.017+/-0.009 χ^2/NDF:51.5/56

Out: 0.015+/-0.009 χ^2/NDF:69.6/60

All: -0.001+/-0.007 χ^2/NDF: 126.7/117

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: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

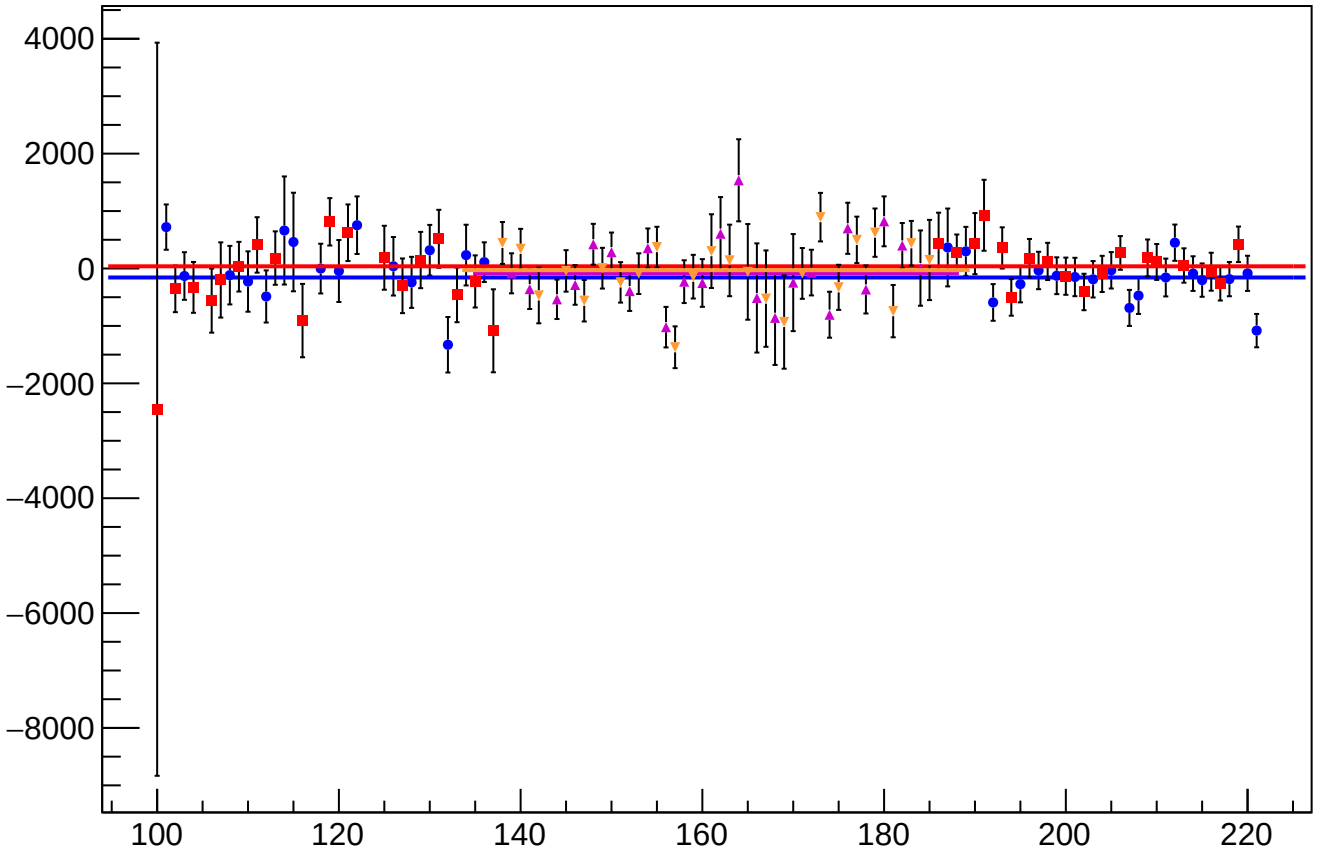
Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

Right: 47.697+/-0.005 χ^2/NDF: 6041795.4/69

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

Out: 54.463+/-0.007 χ^2/NDF:8211785.7/60

All: 55.213+/-0.005 χ^2/NDF: 14245600.1/117



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: 37.930+/-66.004 χ^2/NDF: 29.9/35

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

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

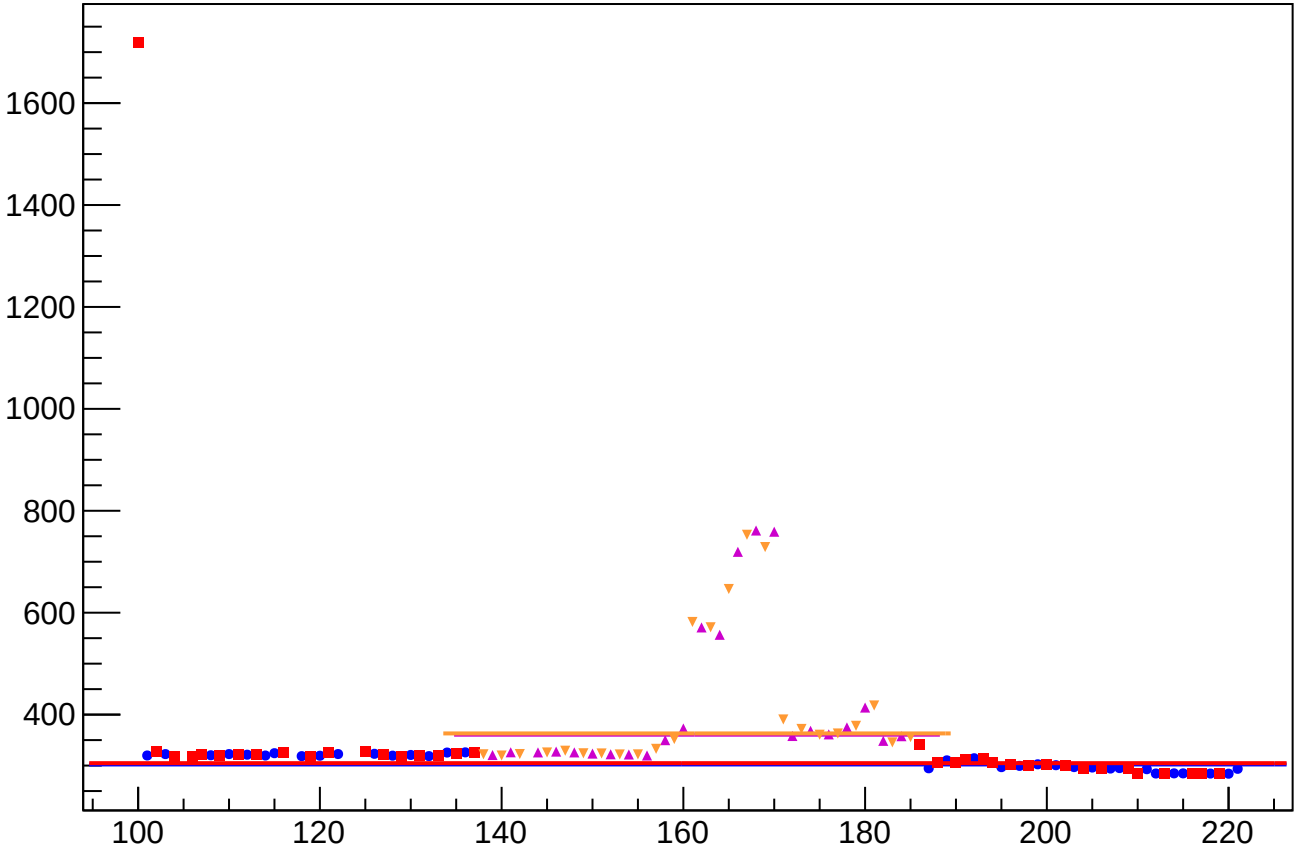
Right: -61.802+/-46.076 χ^2/NDF: 74.8/69

In: -130.627+/-51.626 χ^2/NDF:76.7/56

Out: 13.184+/-52.479 χ^2/NDF:66.9/59

All: -59.900+/-36.803 χ^2/NDF: 147.4/116

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: 304.738+/-0.047 χ^2/NDF: 203334.0/35

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

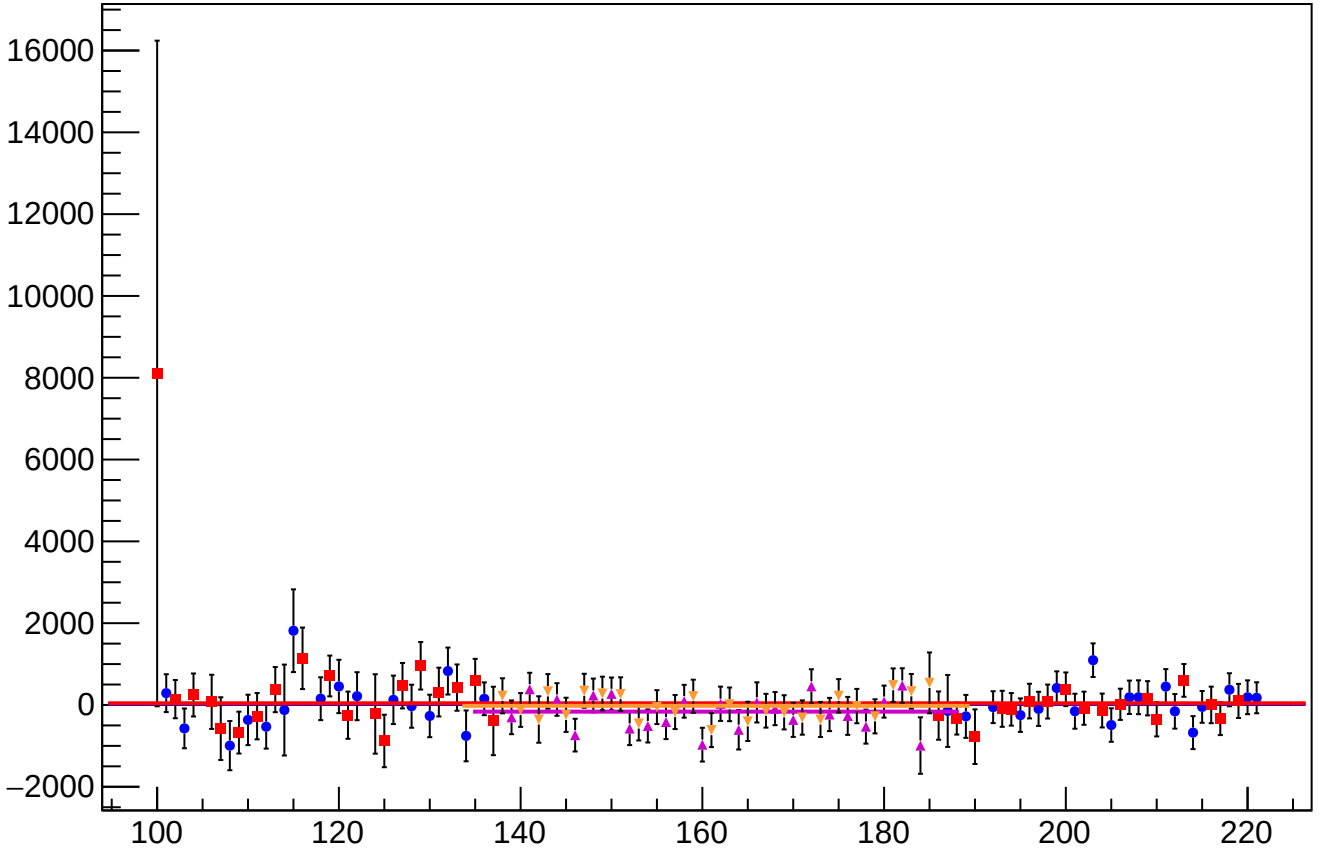
Right: 303.428+/-0.033 χ^2/NDF: 304507.9/69

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

Out: 326.197+/-0.037 χ^2/NDF:2573660.0/59

All: 324.571+/-0.026 χ^2/NDF: 5081892.9/116

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: 41.180+/-82.860 χ^2/NDF: 23.6/35

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

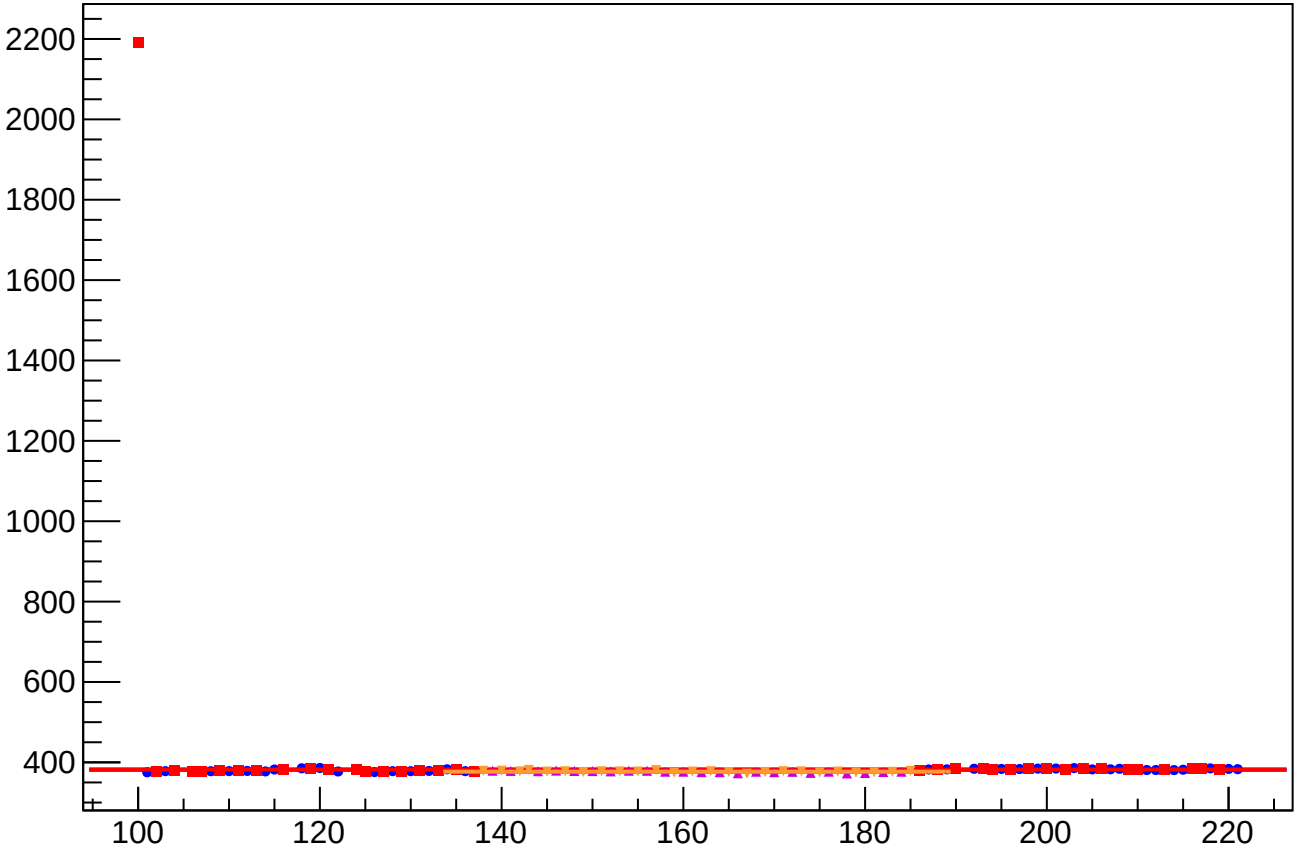
Right: 32.402+/-57.993 χ^2/NDF: 53.6/69

In: -62.009+/-59.671 χ^2/NDF:54.1/56

Out: 11.079+/-59.542 χ^2/NDF:36.5/60

All: -25.386+/-42.148 χ^2/NDF: 91.4/117

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: 382.186+/-0.059 χ^2/NDF: 100817.8/35

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

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

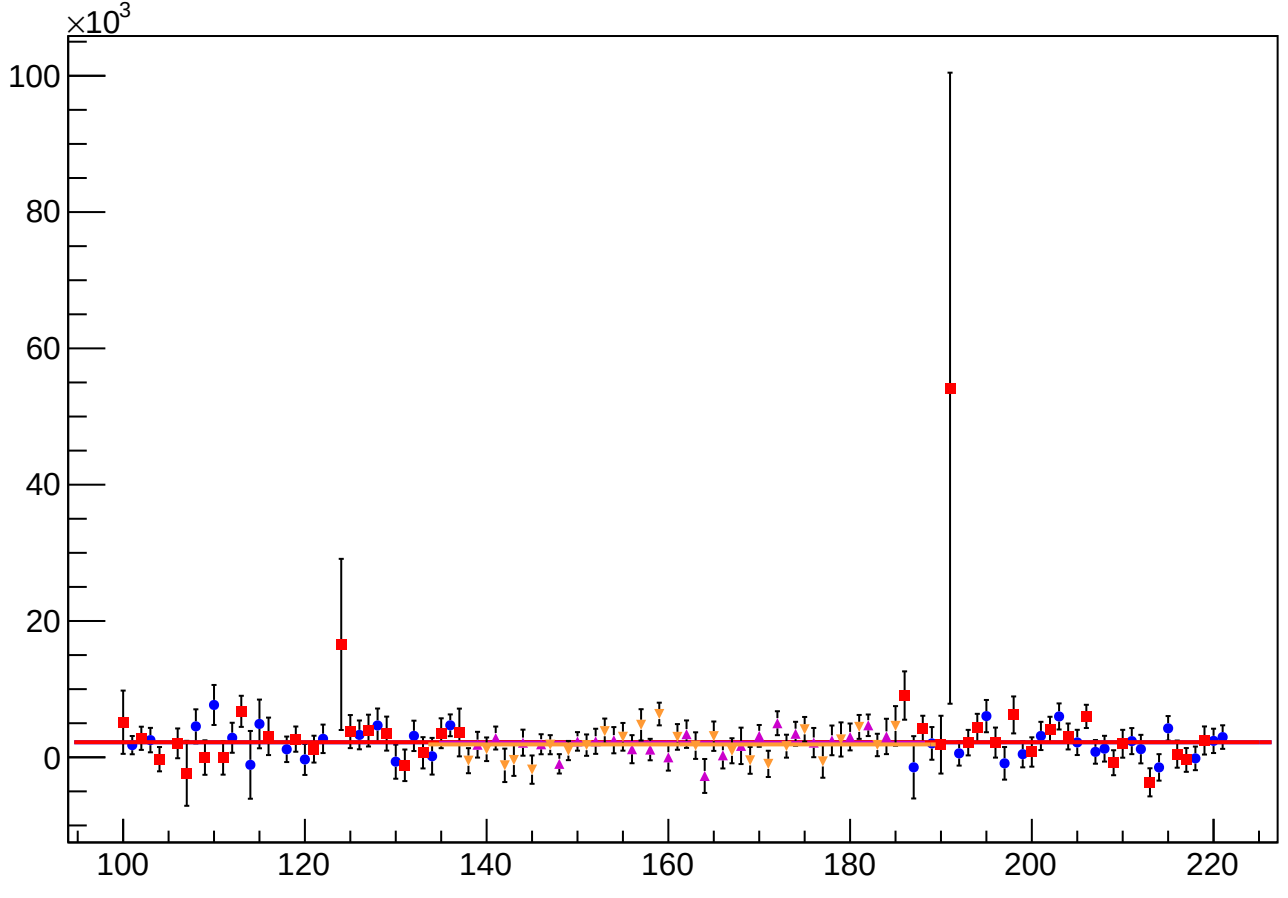
Right: 381.960+/-0.041 χ^2/NDF: 103322.4/69

In: 379.491+/-0.042 χ^2/NDF:6896.0/56

Out: 379.633+/-0.042 χ^2/NDF:105804.1/60

All: 379.562+/-0.030 χ^2/NDF: 112705.8/117

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: 2216.382+/-369.821 χ^2/NDF: 44.7/36

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

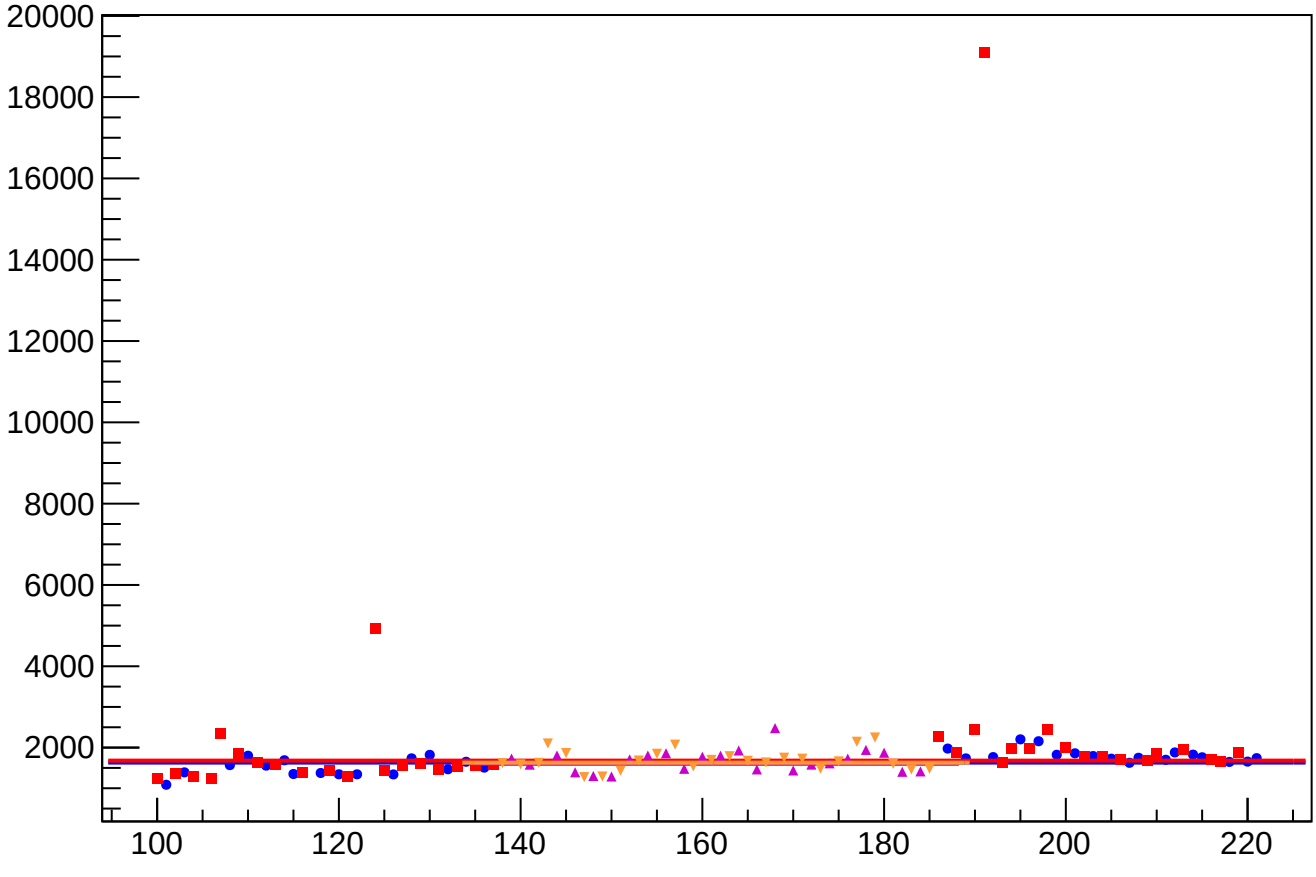
Right: 2208.642+/-254.929 χ^2/NDF: 76.4/70

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

Out: 2056.179+/-263.415 χ^2/NDF:73.4/61

All: 2107.705+/-184.280 χ^2/NDF: 123.9/118

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: 1679.366+/-0.262 χ^2/NDF: 1442148.9/36

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

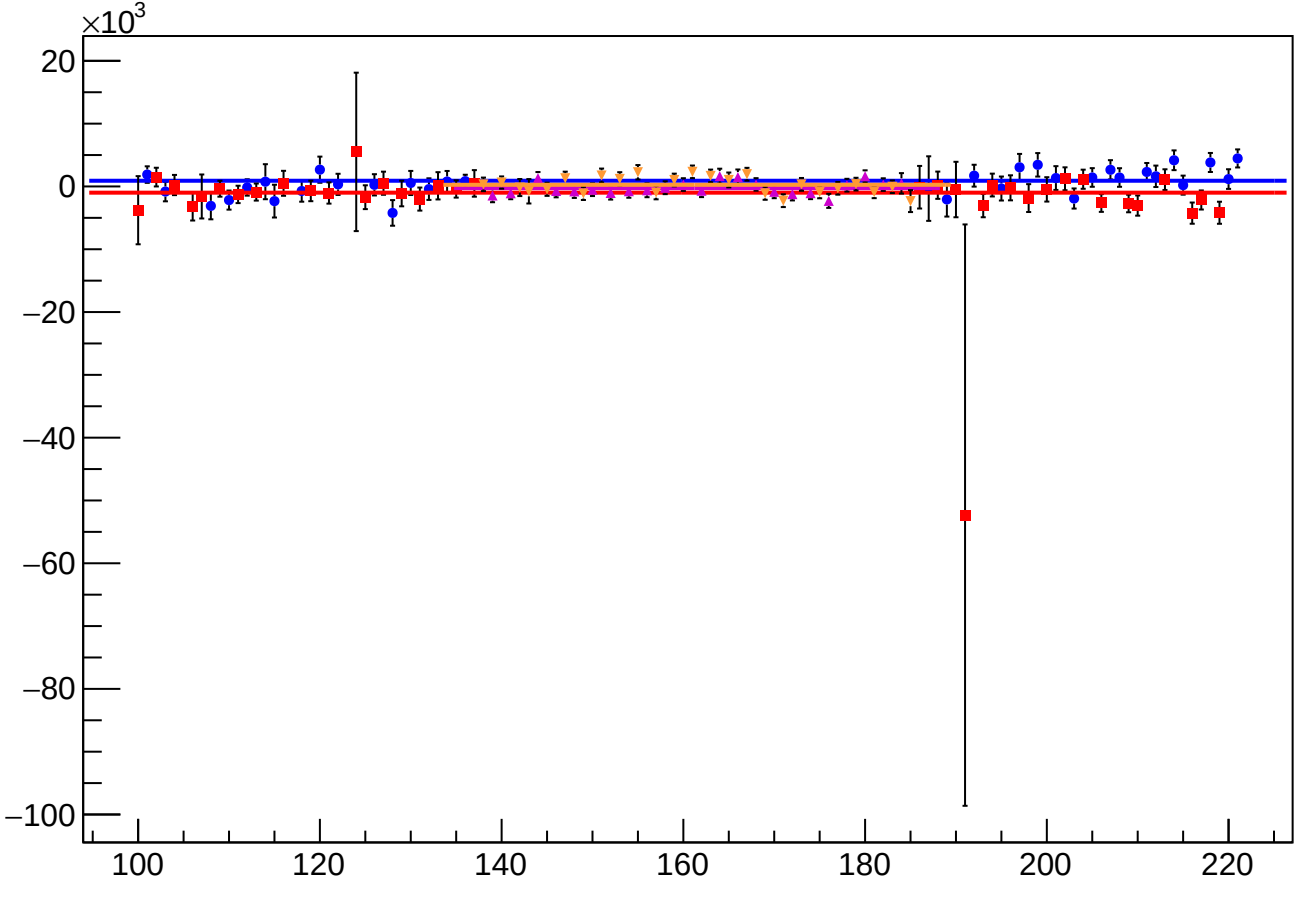
Right: 1654.028+/-0.180 χ^2/NDF: 2414806.7/70

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

Out: 1654.296+/-0.186 χ^2/NDF:2239899.5/61

All: 1635.452+/-0.130 χ^2/NDF: 4014983.5/11

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: -991.119+/-299.030 χ^2/NDF: 28.7/36

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

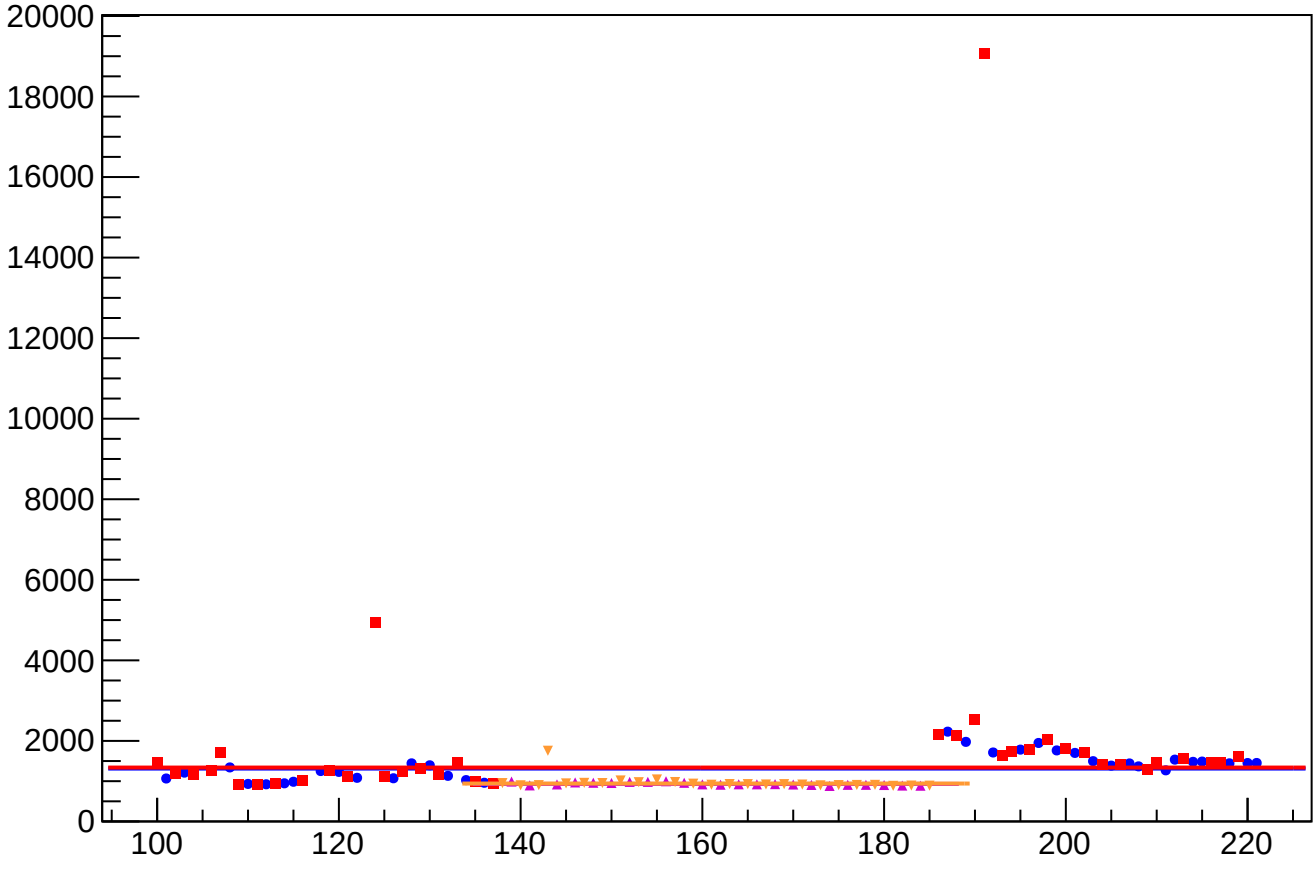
Right: 1.004+/-206.628 χ^2/NDF: 95.1/70

In: 164.114+/-173.184 χ^2/NDF:77.4/56

Out: -164.689+/-174.543 χ^2/NDF:74.2/61

All: 0.997+/-122.937 χ^2/NDF: 153.4/118

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: 1338.050+/-0.211 χ^2/NDF: 2773946.0/36

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

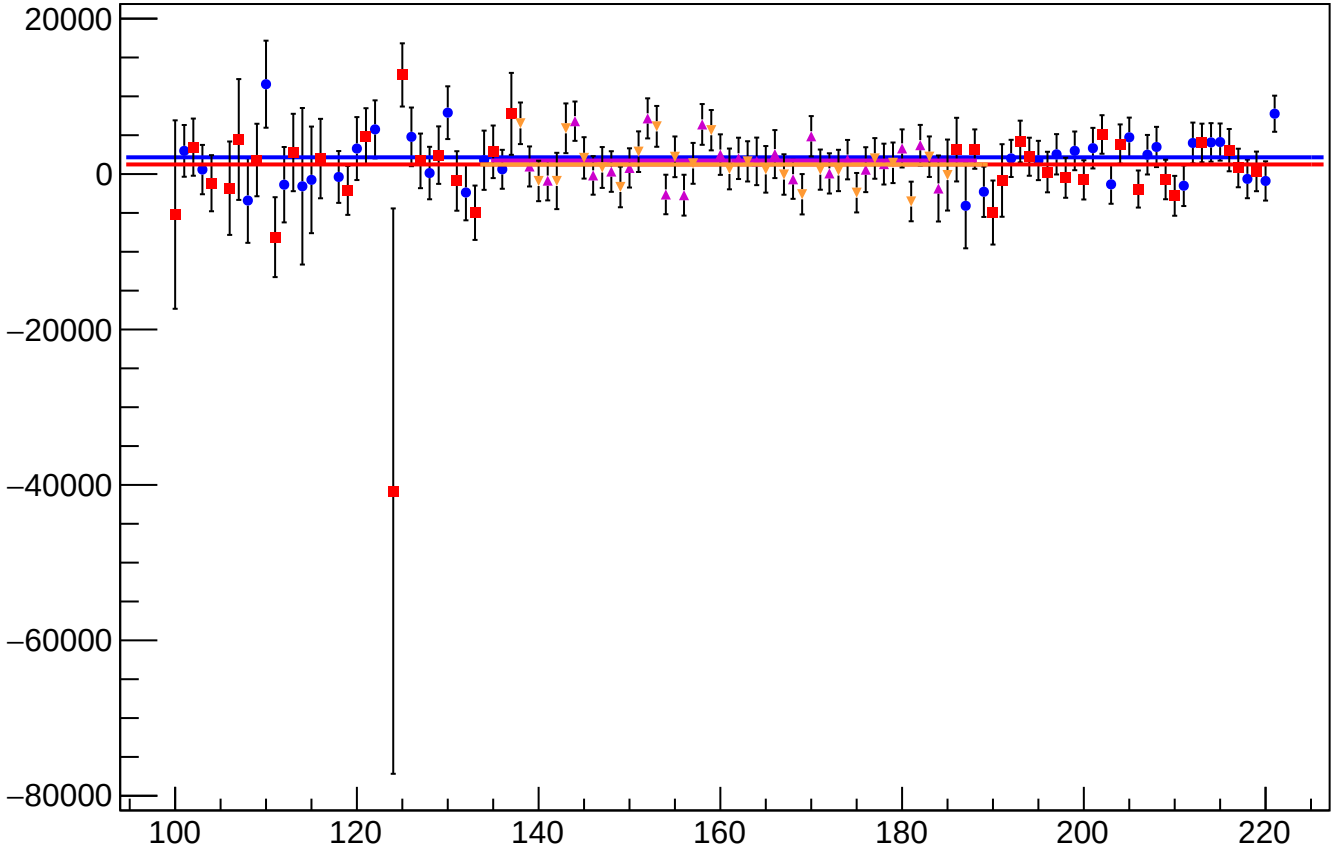
Right: 1325.106+/-0.146 χ^2/NDF: 4612980.8/70

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

Out: 1076.285+/-0.123 χ^2/NDF:5516232.3/61

All: 1073.963+/-0.087 χ^2/NDF: 9655047.6/11

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: 1237.681+/-532.494 χ^2/NDF: 37.8/36

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

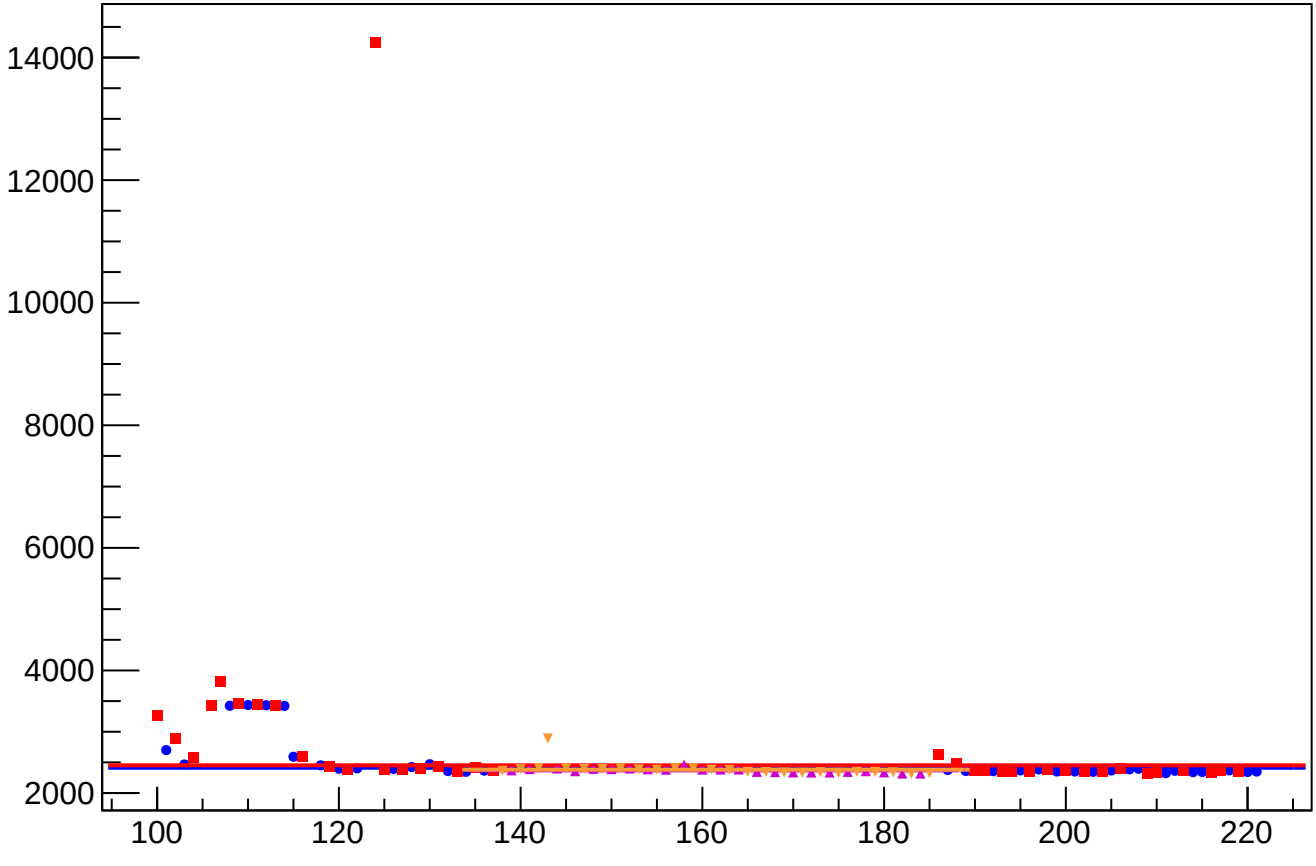
Right: 1712.224+/-370.158 χ^2/NDF: 70.7/70

In: 1963.689+/-376.925 χ^2/NDF:56.0/56

Out: 1236.229+/-379.602 χ^2/NDF:61.7/61

All: 1602.533+/-267.468 χ^2/NDF: 119.6/118

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: 2452.166+/-0.377 χ^2/NDF: 660376.1/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

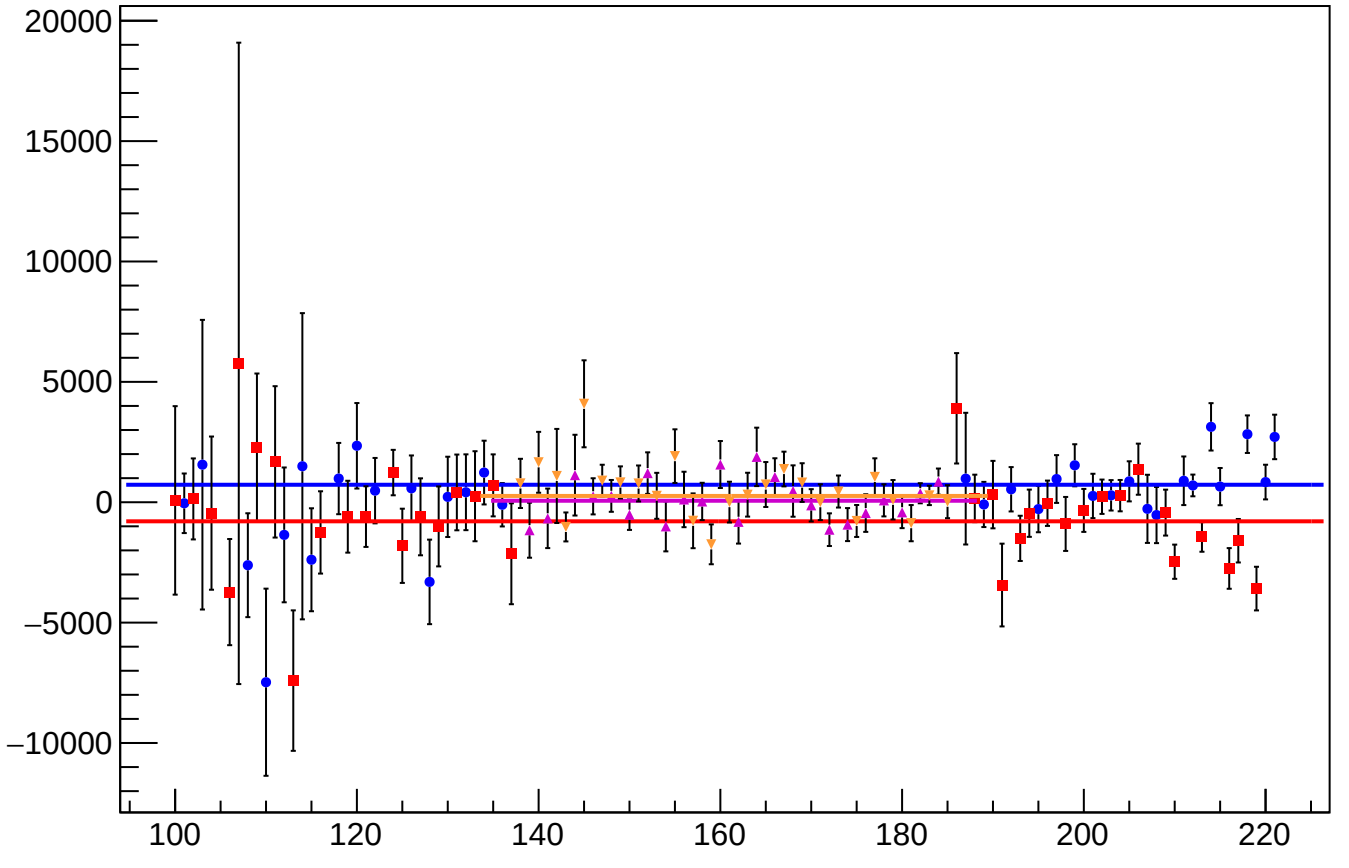
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2431.940+/-0.262 χ^2/NDF: 947049.8/70

In: 2392.771+/-0.267 χ^2/NDF:294793.6/56

Out: 2417.281+/-0.268 χ^2/NDF:735451.8/61

All: 2404.939+/-0.189 χ^2/NDF: 1034444.1/11



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: -792.431+/-187.308 χ^2/NDF: 58.1/36

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

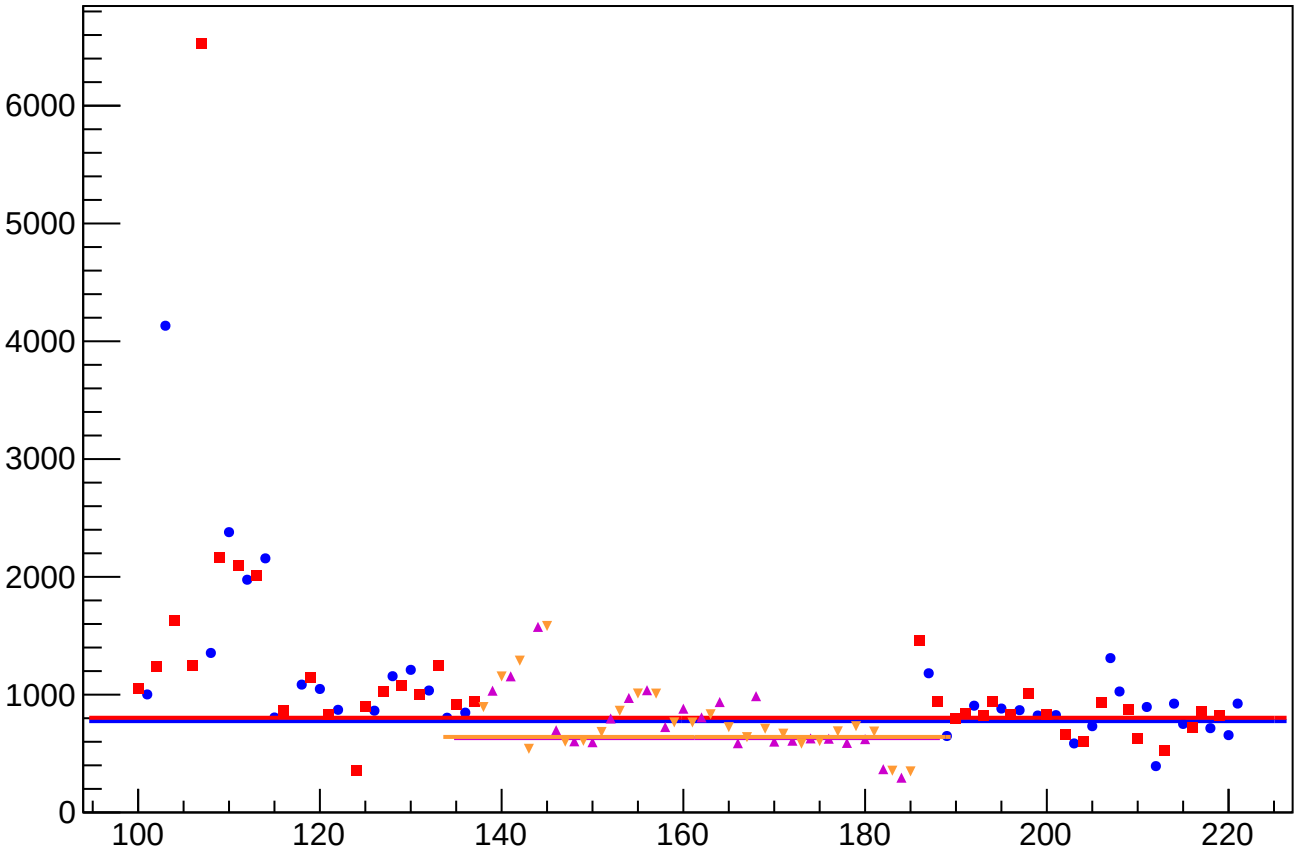
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: 6.419+/-128.948 χ^2/NDF: 133.1/70

In: 353.779+/-117.847 χ^2/NDF:70.3/56

Out: -163.390+/-118.960 χ^2/NDF:108.1/61

All: 97.626+/-83.721 χ^2/NDF: 187.9/118



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: 803.960+/-0.132 χ^2/NDF: 3810557.9/36

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

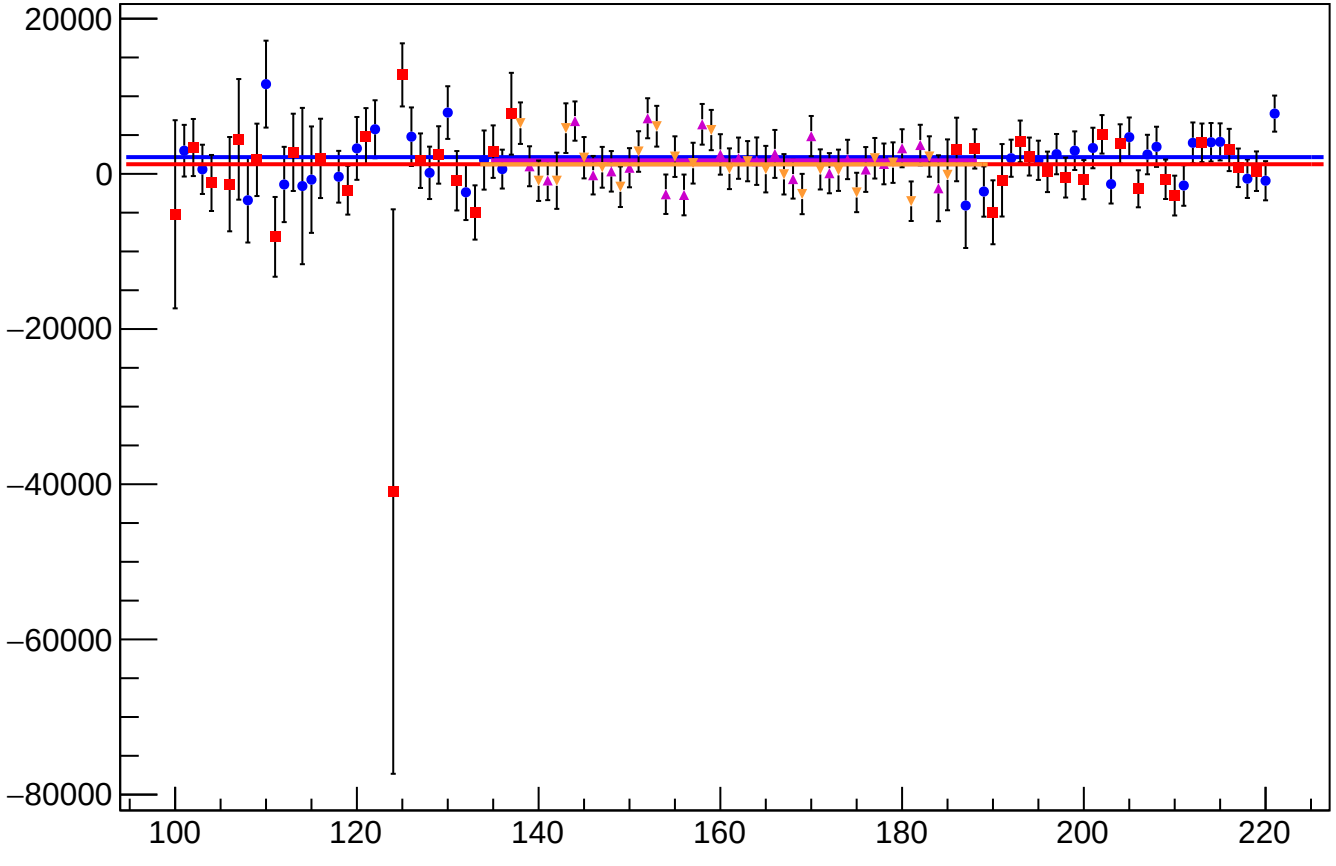
Right: 788.835+/-0.091 χ^2/NDF: 8291848.2/70

In: 694.474+/-0.083 χ^2/NDF:9167611.9/56

Out: 706.825+/-0.084 χ^2/NDF:8186902.2/61

All: 700.592+/-0.059 χ^2/NDF: 17365394.2/11

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: 1240.477+/-532.542 χ^2/NDF: 37.7/36

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

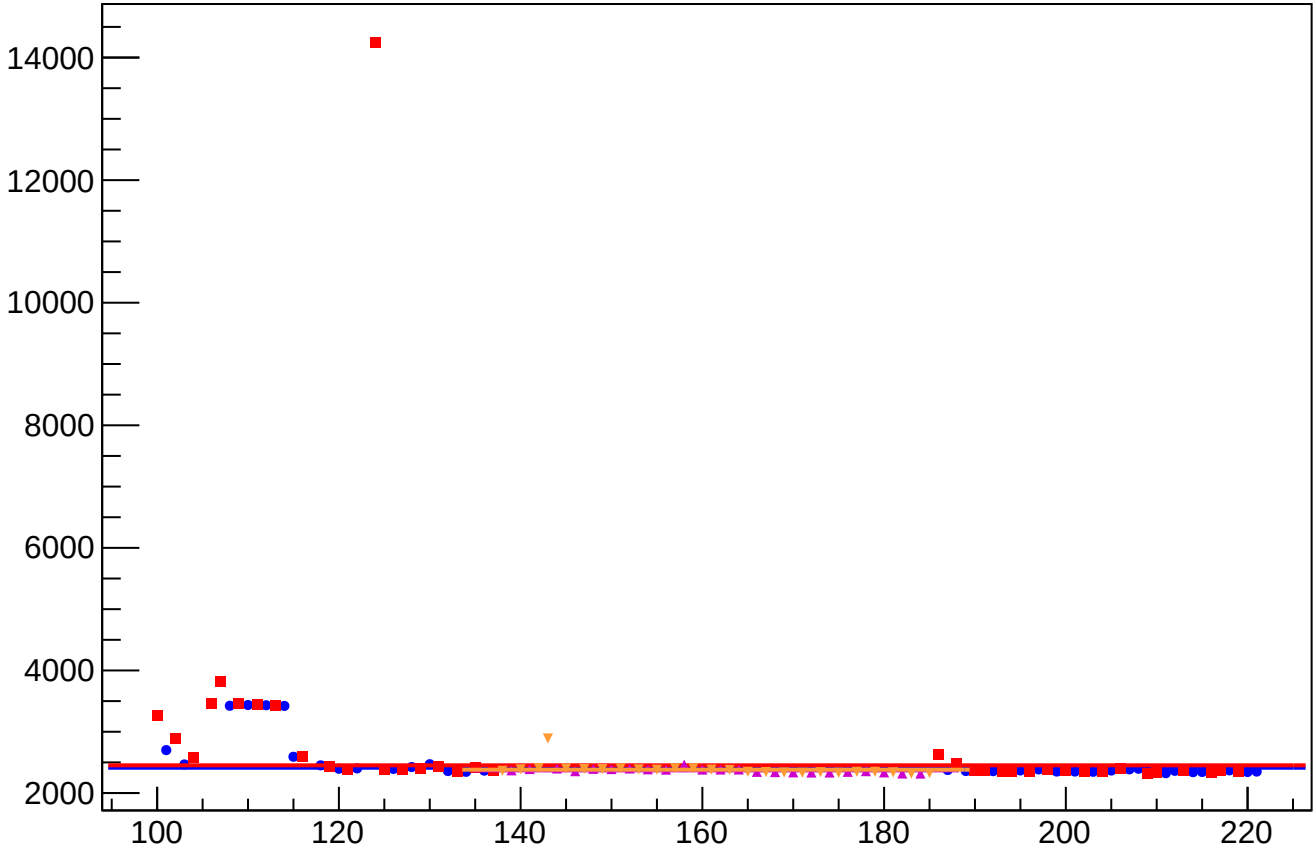
Right: 1713.696+/-370.174 χ^2/NDF: 70.6/70

In: 1963.796+/-376.925 χ^2/NDF:56.0/56

Out: 1237.639+/-379.619 χ^2/NDF:61.6/61

All: 1603.303+/-267.474 χ^2/NDF: 119.5/118

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: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

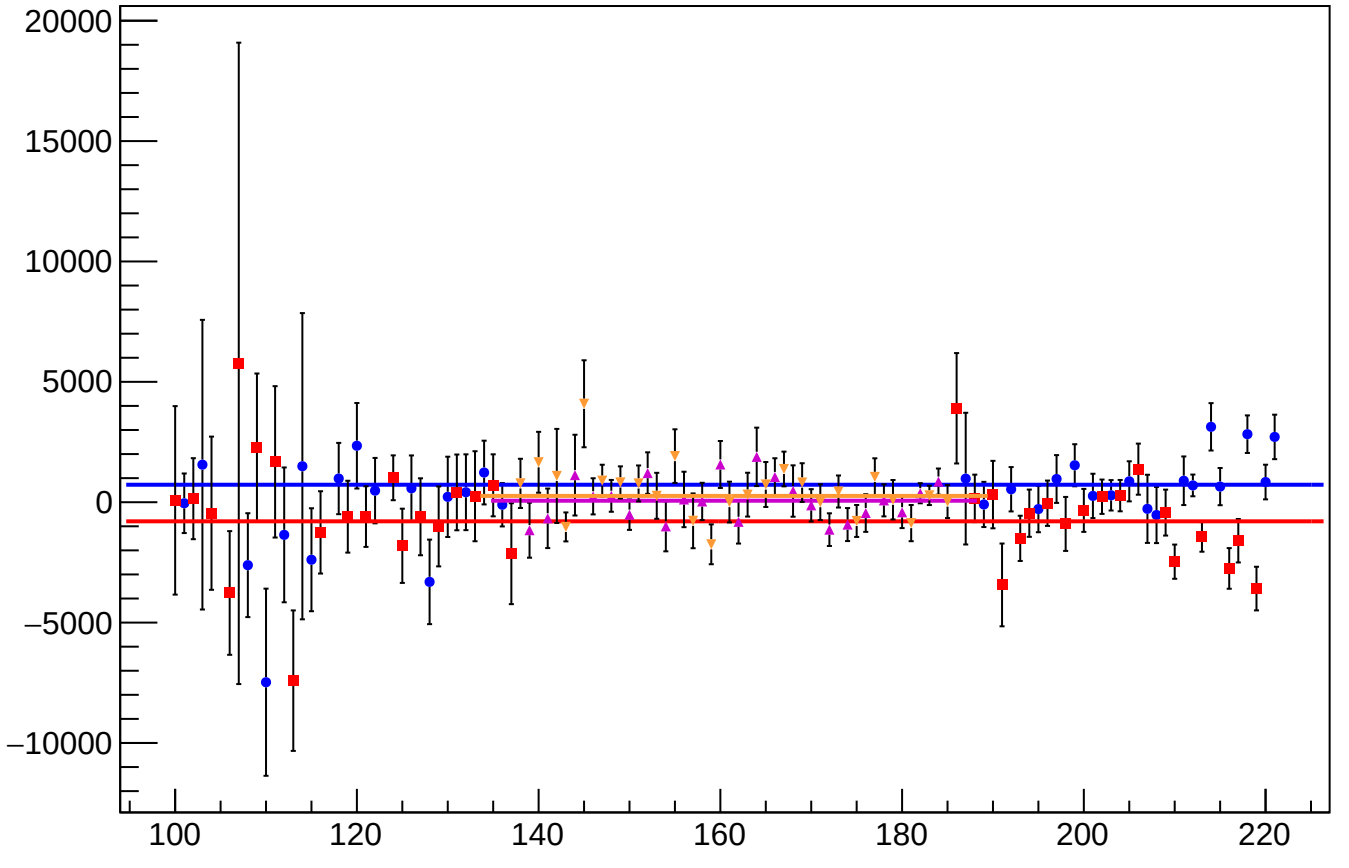
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2432.000+/-0.262 χ^2/NDF: 950064.2/70

In: 2392.771+/-0.267 χ^2/NDF:294793.7/56

Out: 2417.343+/-0.268 χ^2/NDF:738491.7/61

All: 2404.970+/-0.189 χ^2/NDF: 1037505.0/11



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: -793.483+/-187.385 χ^2/NDF: 56.8/36

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

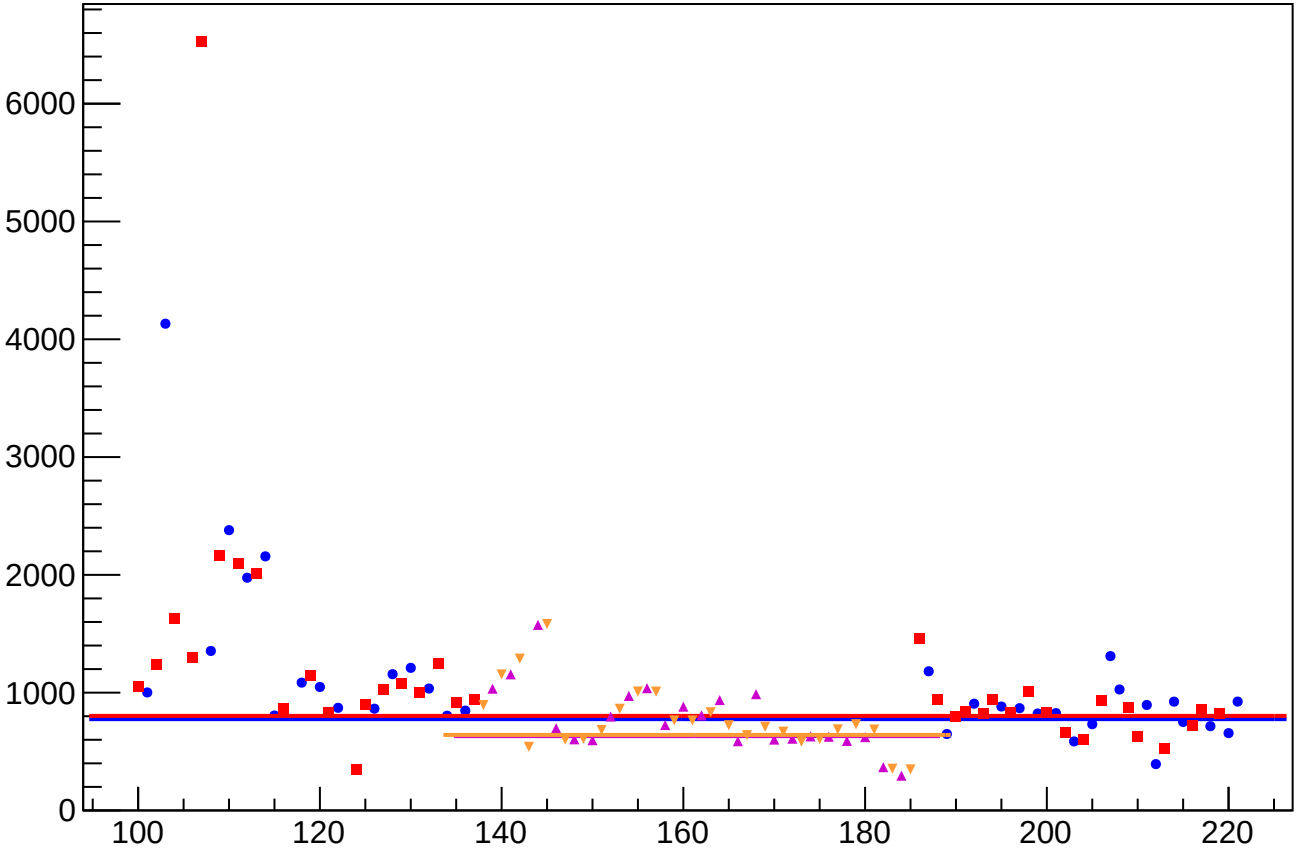
Right: 6.210+/-128.974 χ^2/NDF: 131.9/70

In: 353.768+/-117.847 χ^2/NDF:70.2/56

Out: -163.442+/-118.981 χ^2/NDF:106.9/61

All: 97.640+/-83.729 χ^2/NDF: 186.7/118

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



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: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

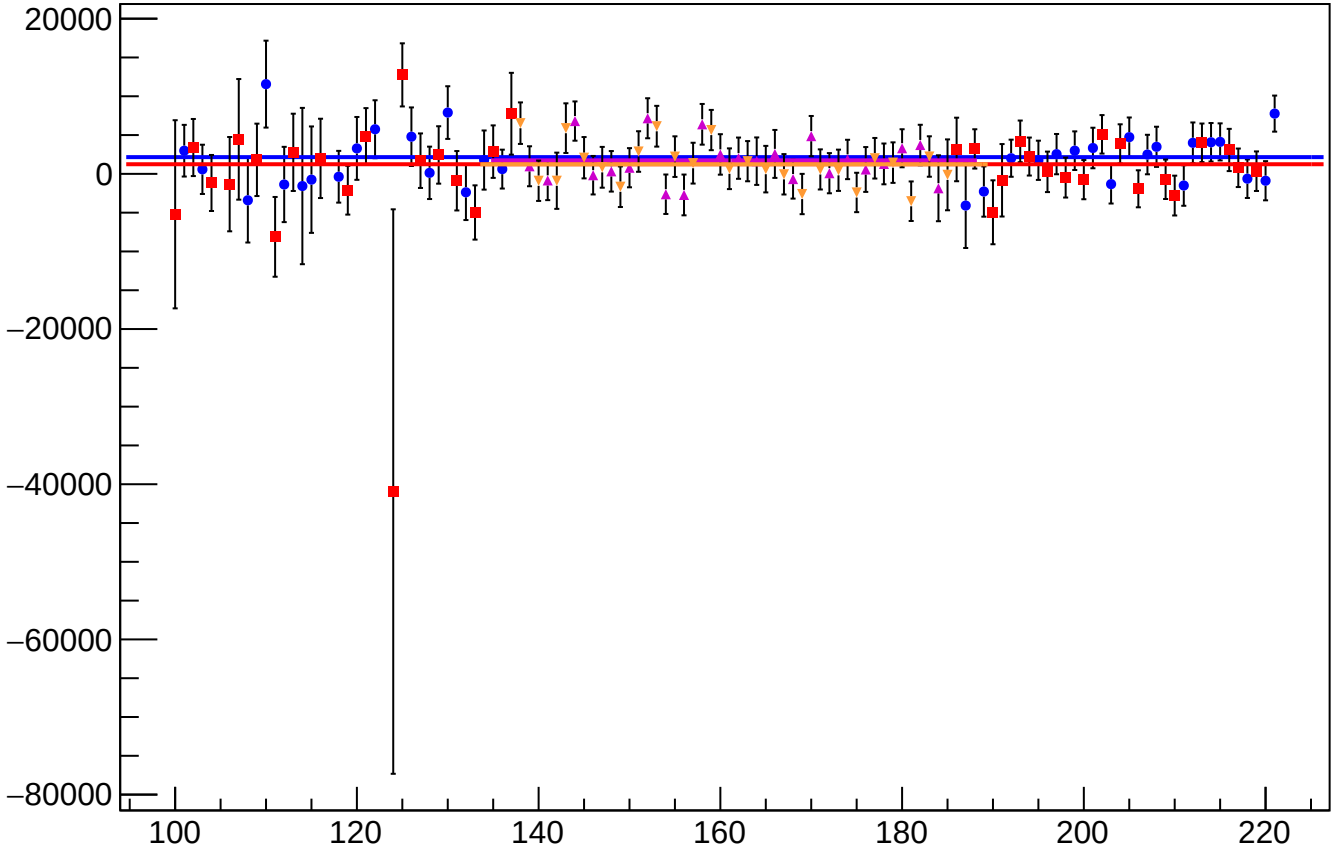
Right: 788.238+/-0.091 χ^2/NDF: 8303330.2/70

In: 694.476+/-0.083 χ^2/NDF:9167421.8/56

Out: 706.295+/-0.084 χ^2/NDF:8186228.6/61

All: 700.329+/-0.059 χ^2/NDF: 17363612.0/11

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: 1240.477+/-532.542 χ^2/NDF: 37.7/36

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

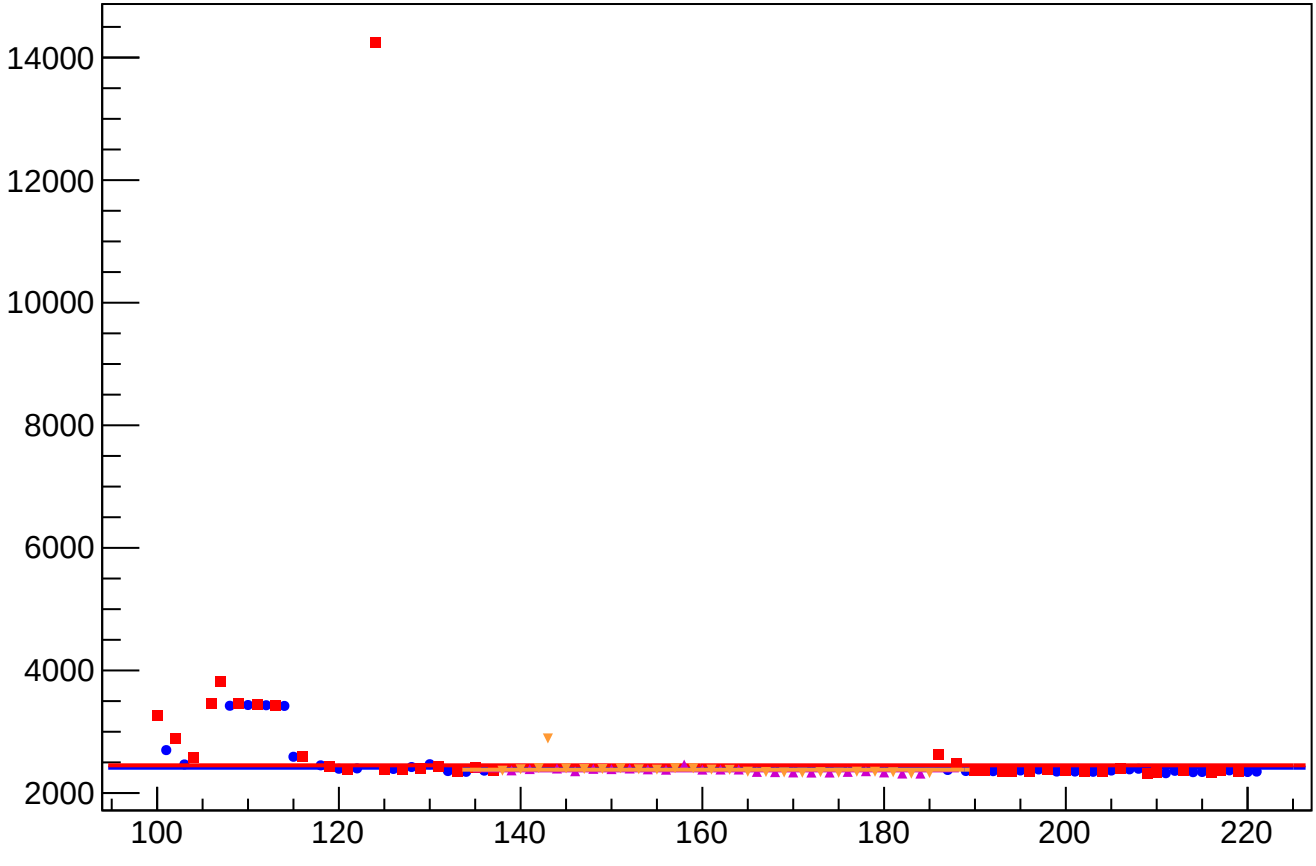
Right: 1713.696+/-370.174 χ^2/NDF: 70.6/70

In: 1963.796+/-376.925 χ^2/NDF:56.0/56

Out: 1237.639+/-379.619 χ^2/NDF:61.6/61

All: 1603.303+/-267.474 χ^2/NDF: 119.5/118

eigen_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: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

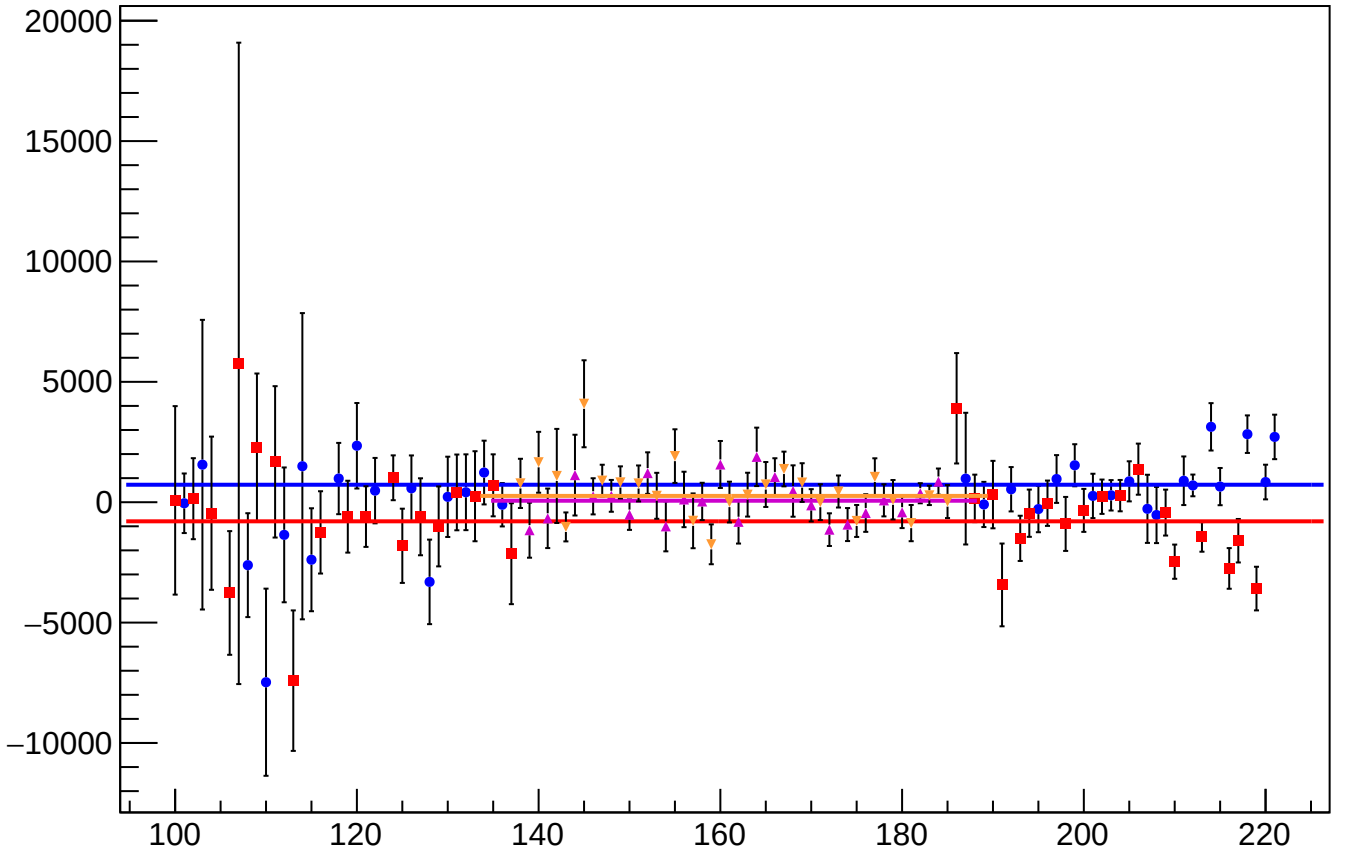
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2432.000+/-0.262 χ^2/NDF: 950064.2/70

In: 2392.771+/-0.267 χ^2/NDF:294793.7/56

Out: 2417.343+/-0.268 χ^2/NDF:738491.7/61

All: 2404.970+/-0.189 χ^2/NDF: 1037505.0/11



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: -793.483+/-187.385 χ^2/NDF: 56.8/36

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

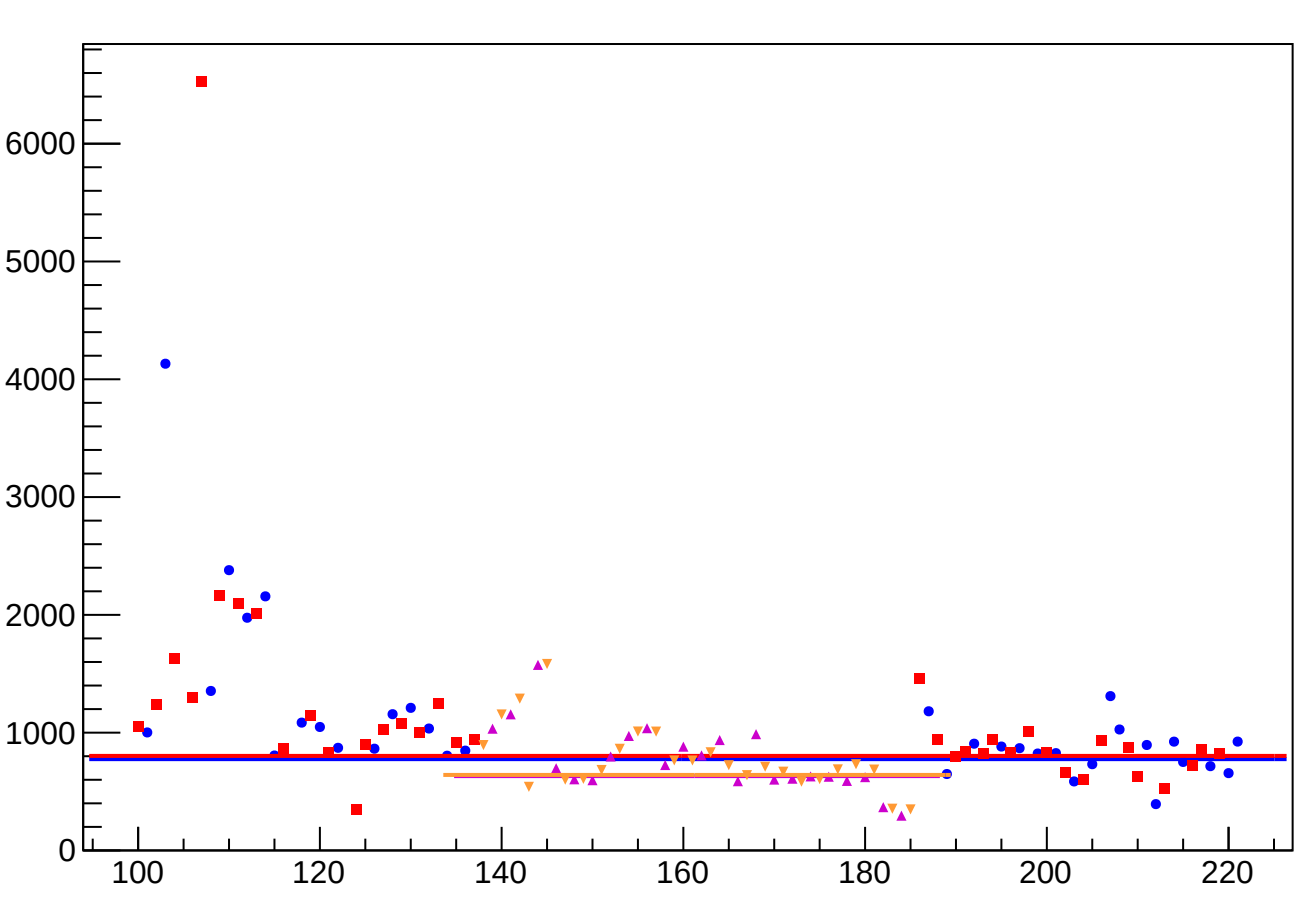
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 6.210+/-128.974 χ^2/NDF: 131.9/70

In: 353.768+/-117.847 χ^2/NDF:70.2/56

Out: -163.442+/-118.981 χ^2/NDF:106.9/61

All: 97.640+/-83.729 χ^2/NDF: 186.7/118



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: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

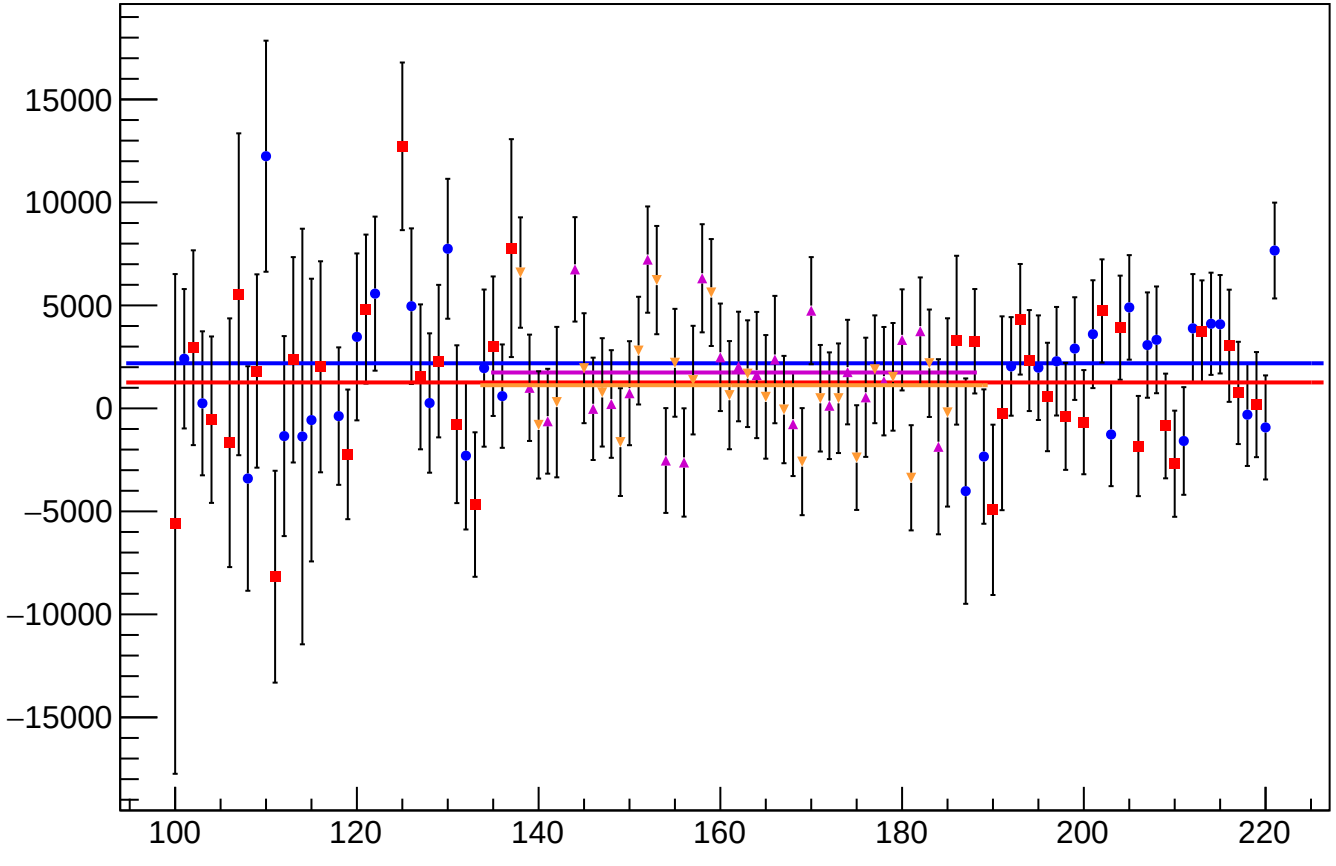
Right: 788.238+/-0.091 χ^2/NDF: 8303330.2/70

In: 694.476+/-0.083 χ^2/NDF:9167421.8/56

Out: 706.295+/-0.084 χ^2/NDF:8186228.6/61

All: 700.329+/-0.059 χ^2/NDF: 17363612.0/11

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: 1259.665+/-537.825 χ^2/NDF: 34.8/35

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

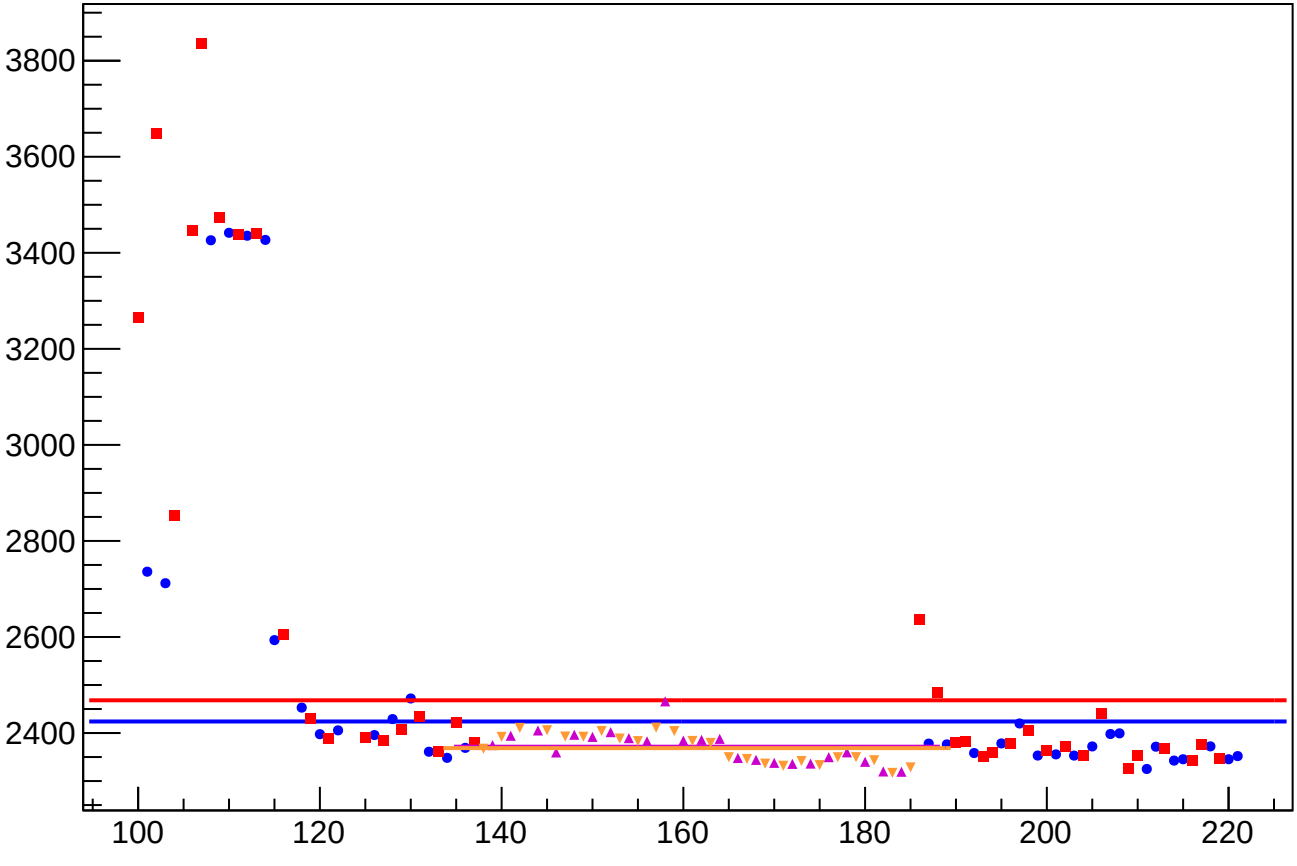
Right: 1742.908+/-372.881 χ^2/NDF: 67.6/69

In: 1981.423+/-378.069 χ^2/NDF:55.3/56

Out: 1194.094+/-384.475 χ^2/NDF:56.1/59

All: 1594.372+/-269.572 χ^2/NDF: 113.5/116

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: 2468.156+/-0.380 χ^2/NDF: 564235.9/35

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

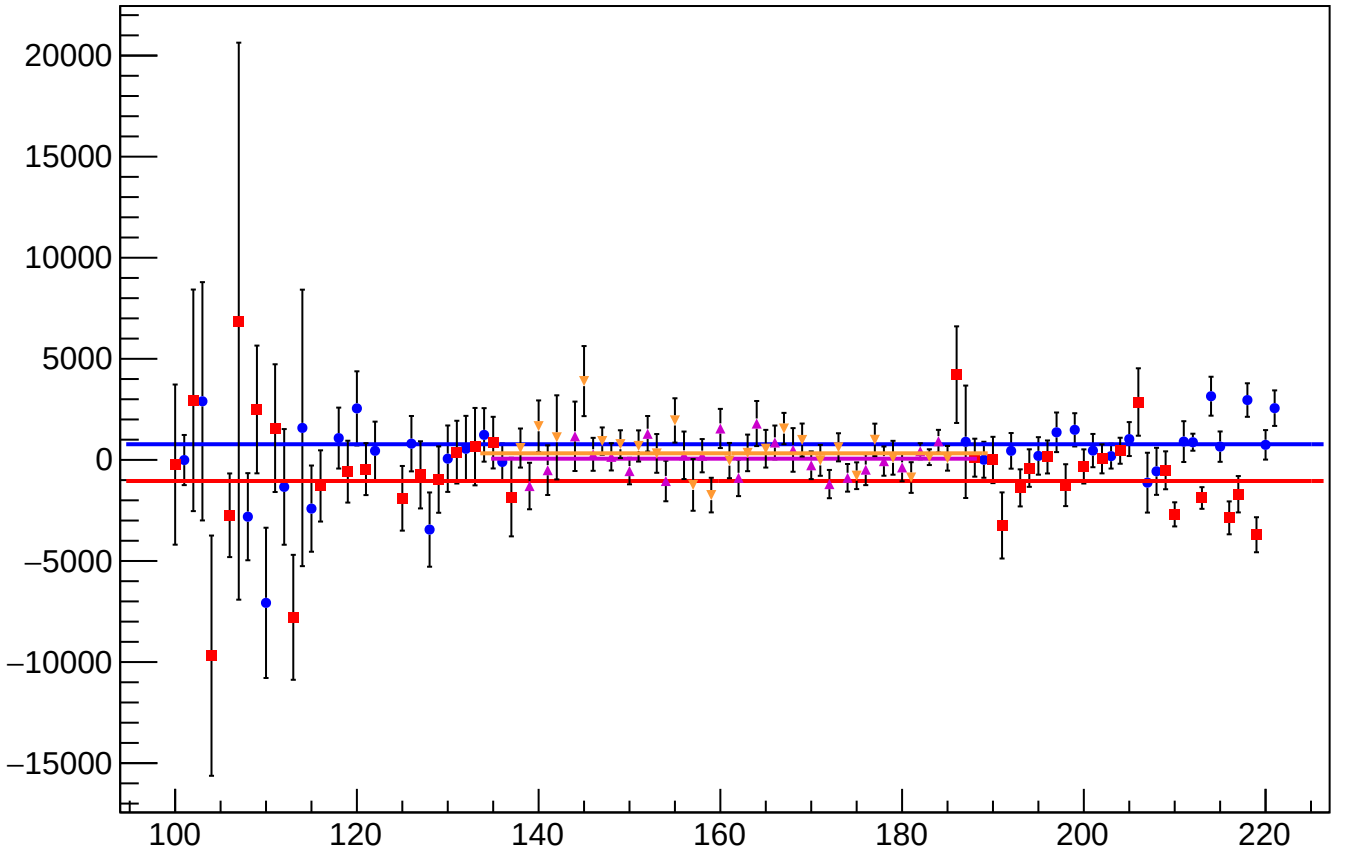
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2445.245+/-0.264 χ^2/NDF: 867428.7/69

In: 2399.557+/-0.267 χ^2/NDF:312862.4/56

Out: 2419.462+/-0.272 χ^2/NDF:603337.0/59

All: 2409.343+/-0.191 χ^2/NDF: 918924.7/116



Right In: 774.674+/-173.854 χ^2/NDF: 41.9/33

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -1043.464+/-183.893 χ^2/NDF: 66.2/35

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

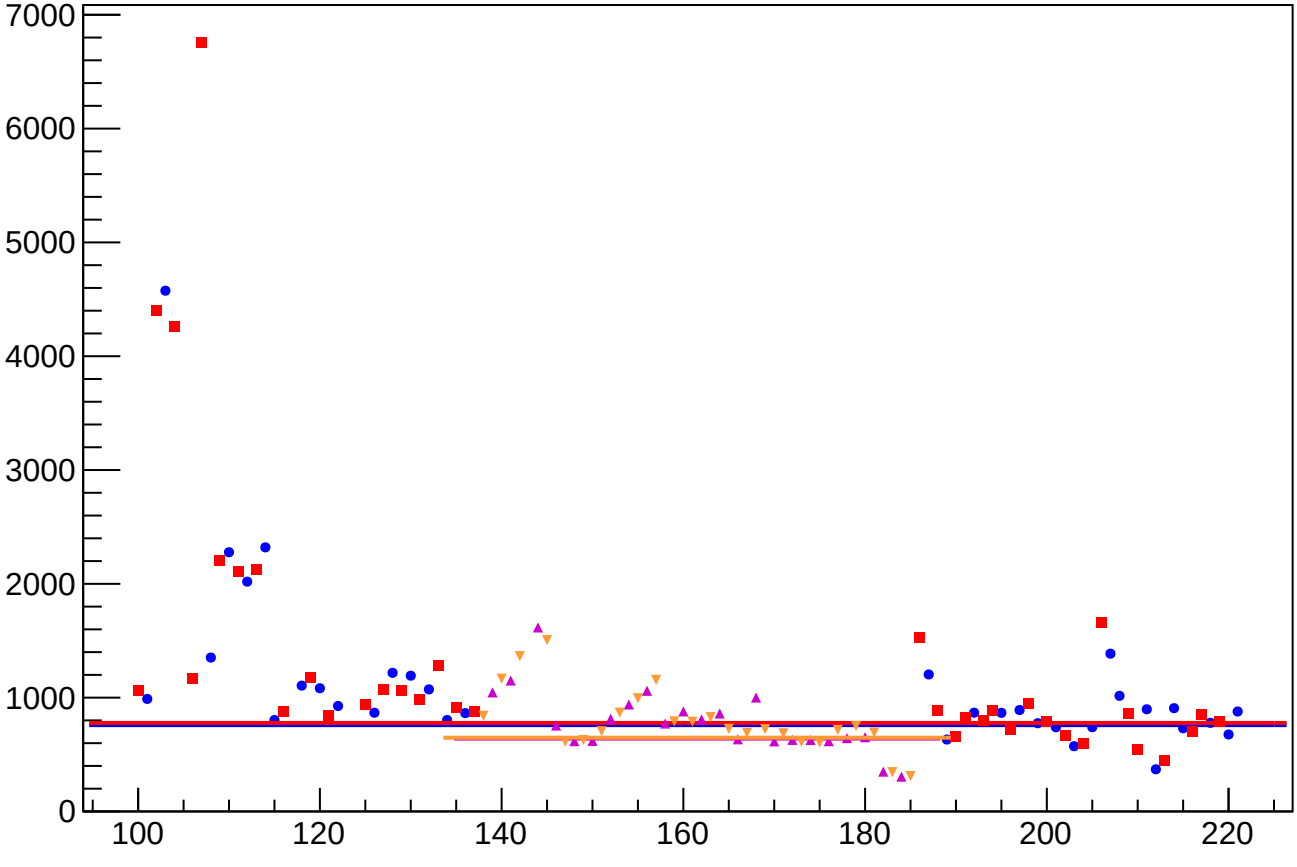
Right: -83.416+/-126.334 χ^2/NDF: 159.6/69

In: 386.789+/-117.599 χ^2/NDF:73.7/56

Out: -264.239+/-120.724 χ^2/NDF:124.5/59

All: 69.812+/-84.238 χ^2/NDF: 213.2/116

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



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: 777.767+/-0.130 χ^2/NDF: 5896469.2/35

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

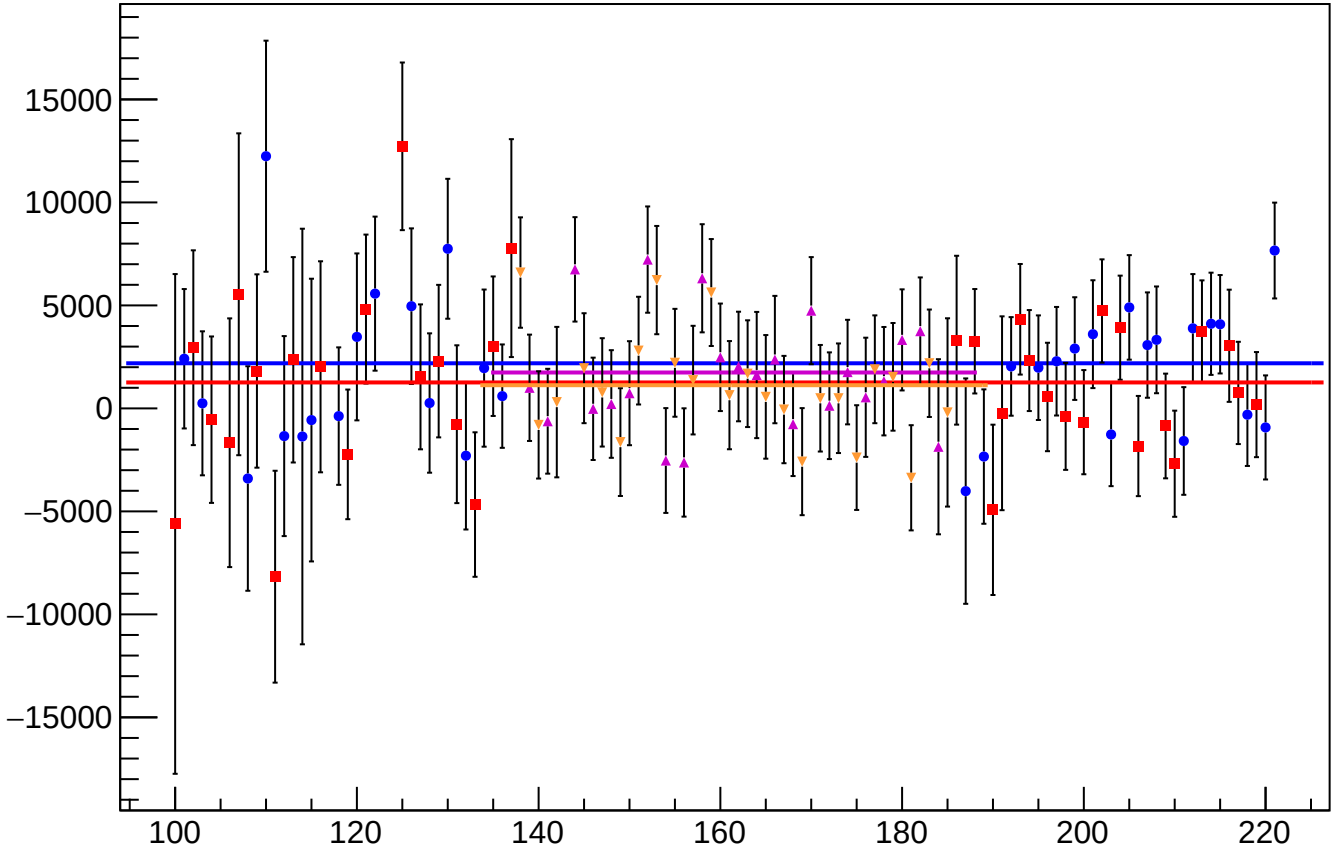
Right: 767.587+/-0.089 χ^2/NDF: 11052572.1/69

In: 694.443+/-0.083 χ^2/NDF:9773606.3/56

Out: 703.984+/-0.085 χ^2/NDF:10349280.3/59

All: 699.088+/-0.060 χ^2/NDF: 20129296.9/11

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



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: 1259.666+/-537.825 χ^2/NDF: 34.8/35

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

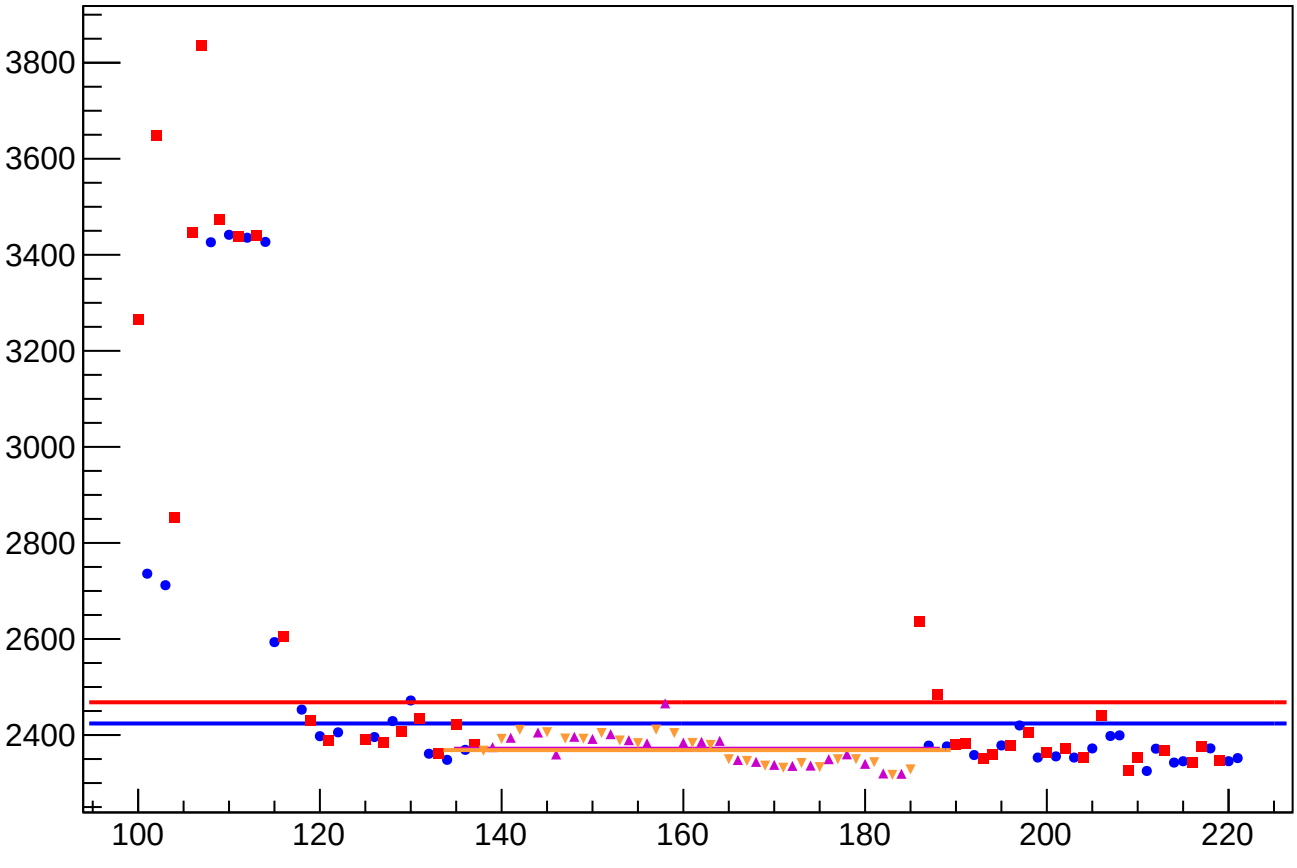
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1742.907+/-372.881 χ^2/NDF: 67.6/69

In: 1981.422+/-378.069 χ^2/NDF:55.3/56

Out: 1194.094+/-384.475 χ^2/NDF:56.1/59

All: 1594.371+/-269.572 χ^2/NDF: 113.5/116



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: 2468.156+/-0.380 χ^2/NDF: 564234.9/35

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

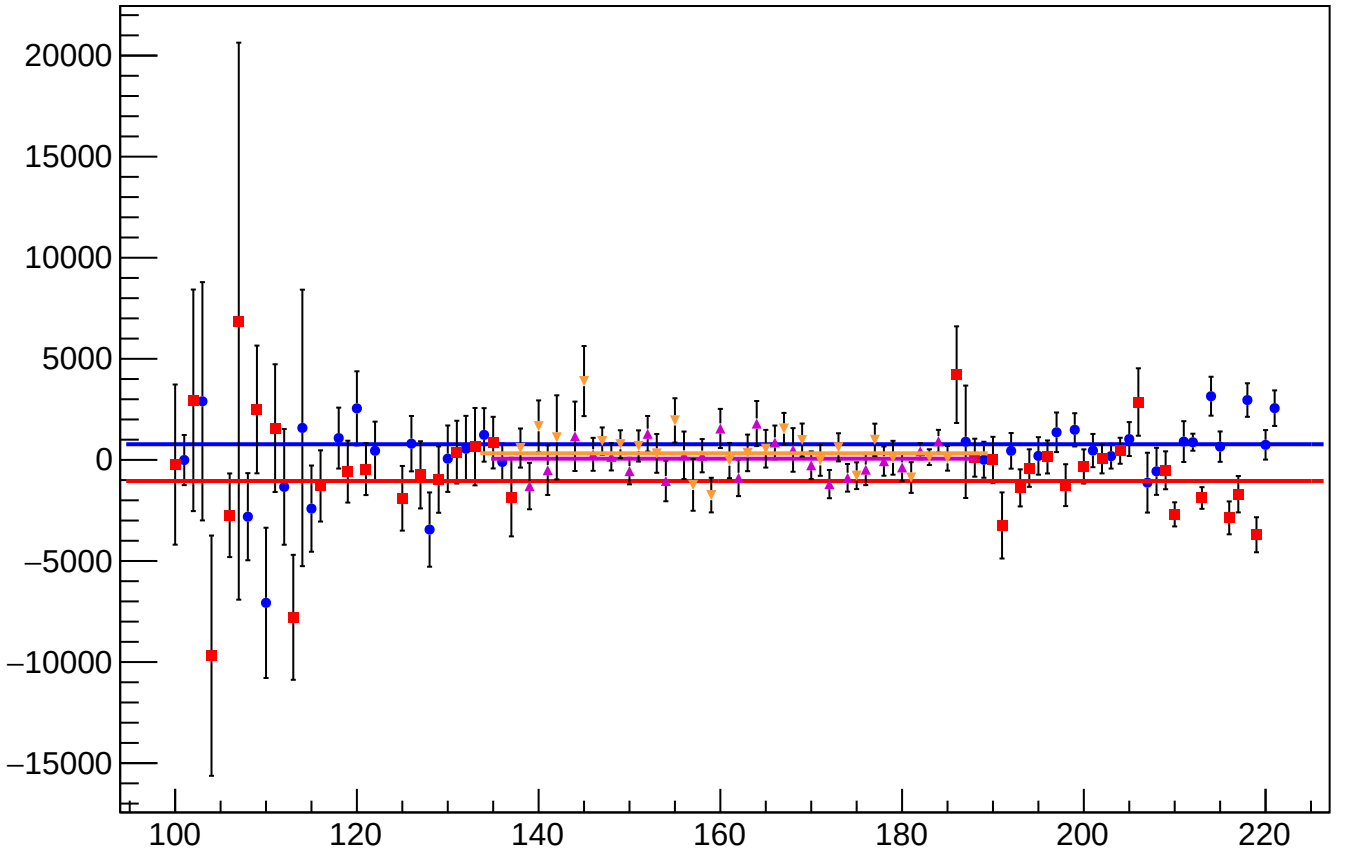
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2445.245+/-0.264 χ^2/NDF: 867427.3/69

In: 2399.557+/-0.267 χ^2/NDF:312861.9/56

Out: 2419.462+/-0.272 χ^2/NDF:603336.0/59

All: 2409.342+/-0.191 χ^2/NDF: 918923.2/116



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: -1043.464+/-183.893 χ^2/NDF: 66.2/35

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

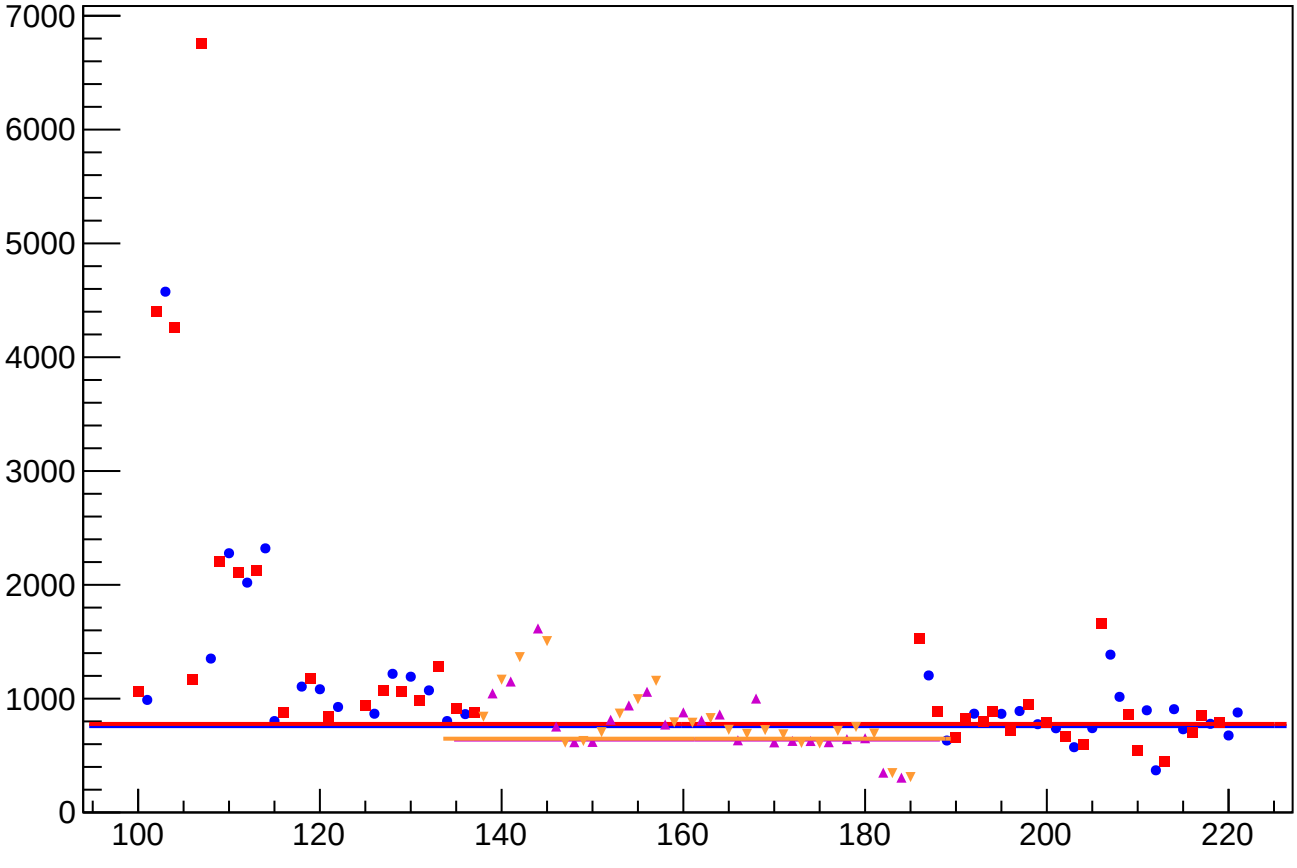
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -83.416+/-126.334 χ^2/NDF: 159.6/69

In: 386.790+/-117.599 χ^2/NDF:73.7/56

Out: -264.241+/-120.725 χ^2/NDF:124.5/59

All: 69.811+/-84.238 χ^2/NDF: 213.2/116



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: 777.766+/-0.130 χ^2/NDF: 5896478.7/35

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

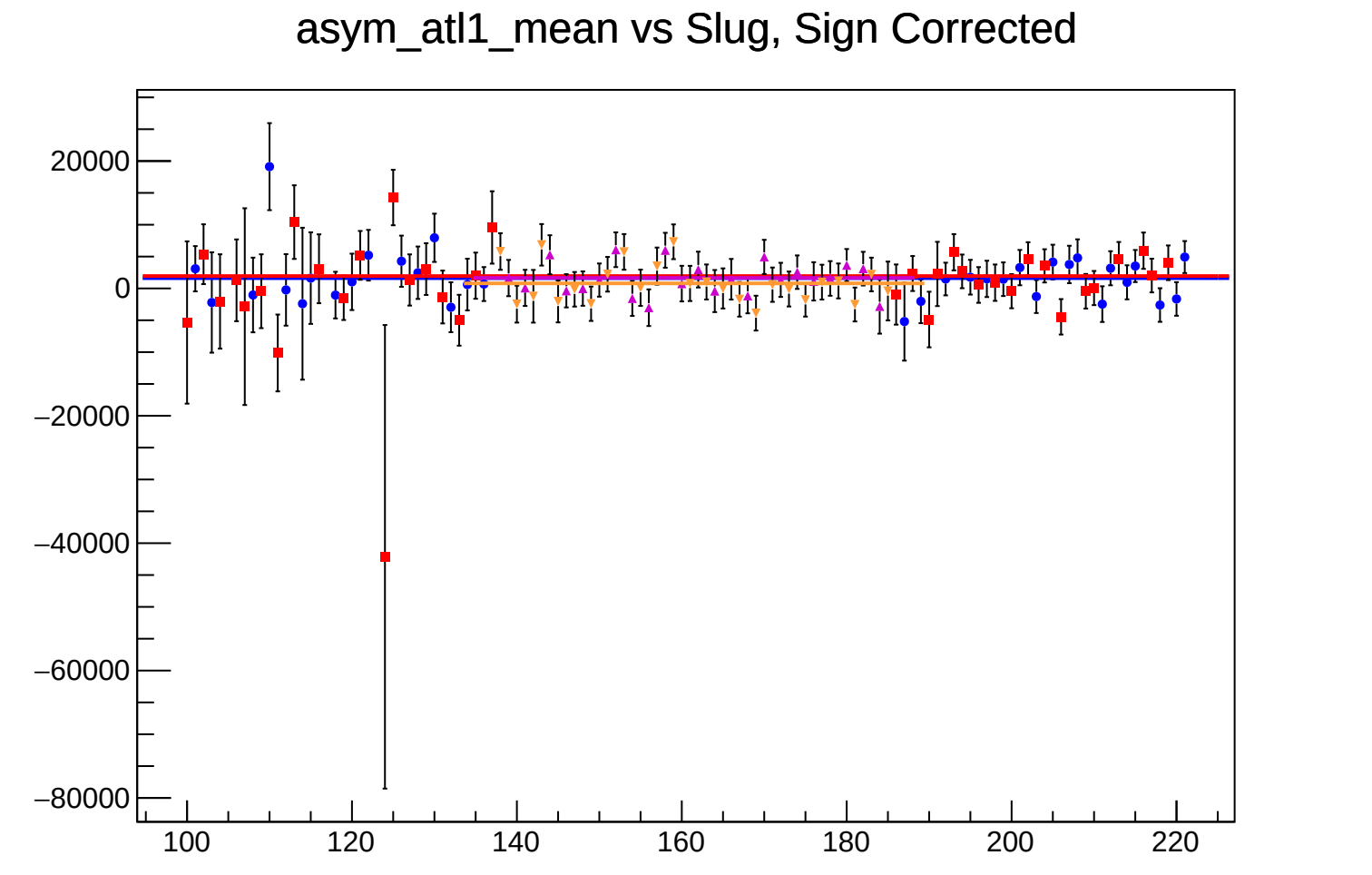
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 767.586+/-0.089 χ^2/NDF: 11052590.1/69

In: 694.443+/-0.083 χ^2/NDF:9773614.9/56

Out: 703.985+/-0.085 χ^2/NDF:10349287.5/59

All: 699.089+/-0.060 χ^2/NDF: 20129313.0/11



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: 1941.033+/-582.960 χ^2/NDF: 41.8/36

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

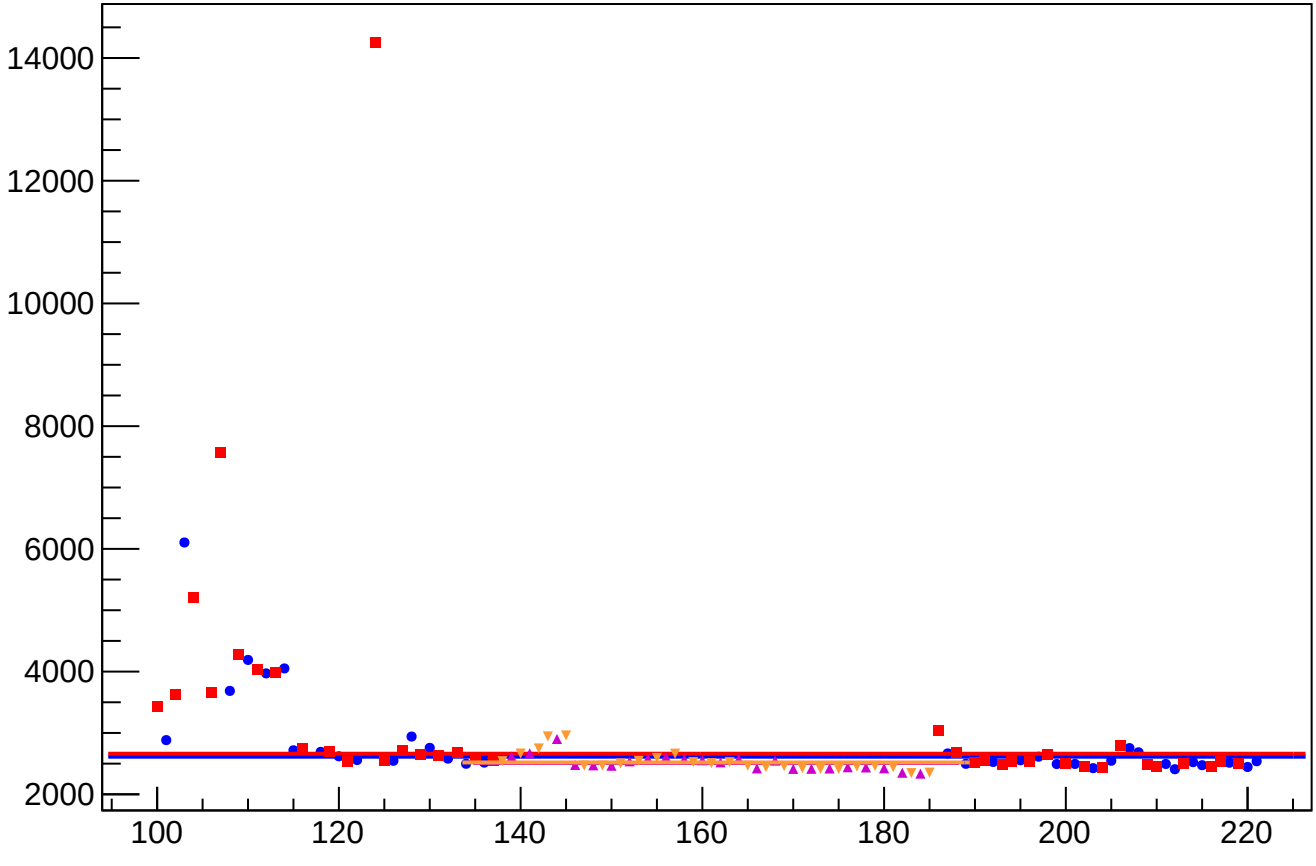
Right: 1771.103+/-404.401 χ^2/NDF: 71.0/70

In: 1633.144+/-405.665 χ^2/NDF:46.4/56

Out: 1356.598+/-408.745 χ^2/NDF:70.9/61

All: 1495.916+/-287.931 χ^2/NDF: 117.5/118

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: 2661.227+/-0.412 χ^2/NDF: 1273277.2/36

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

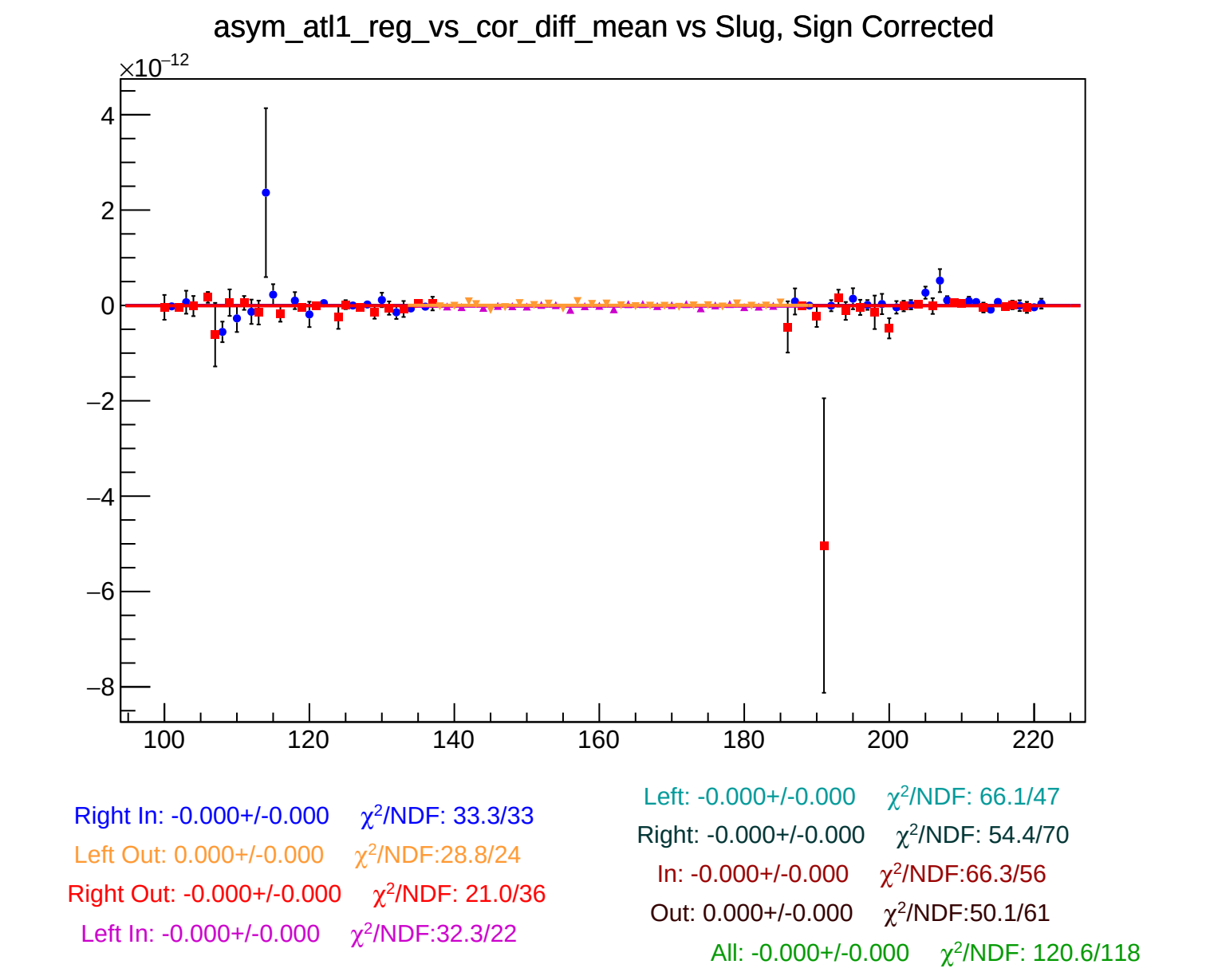
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

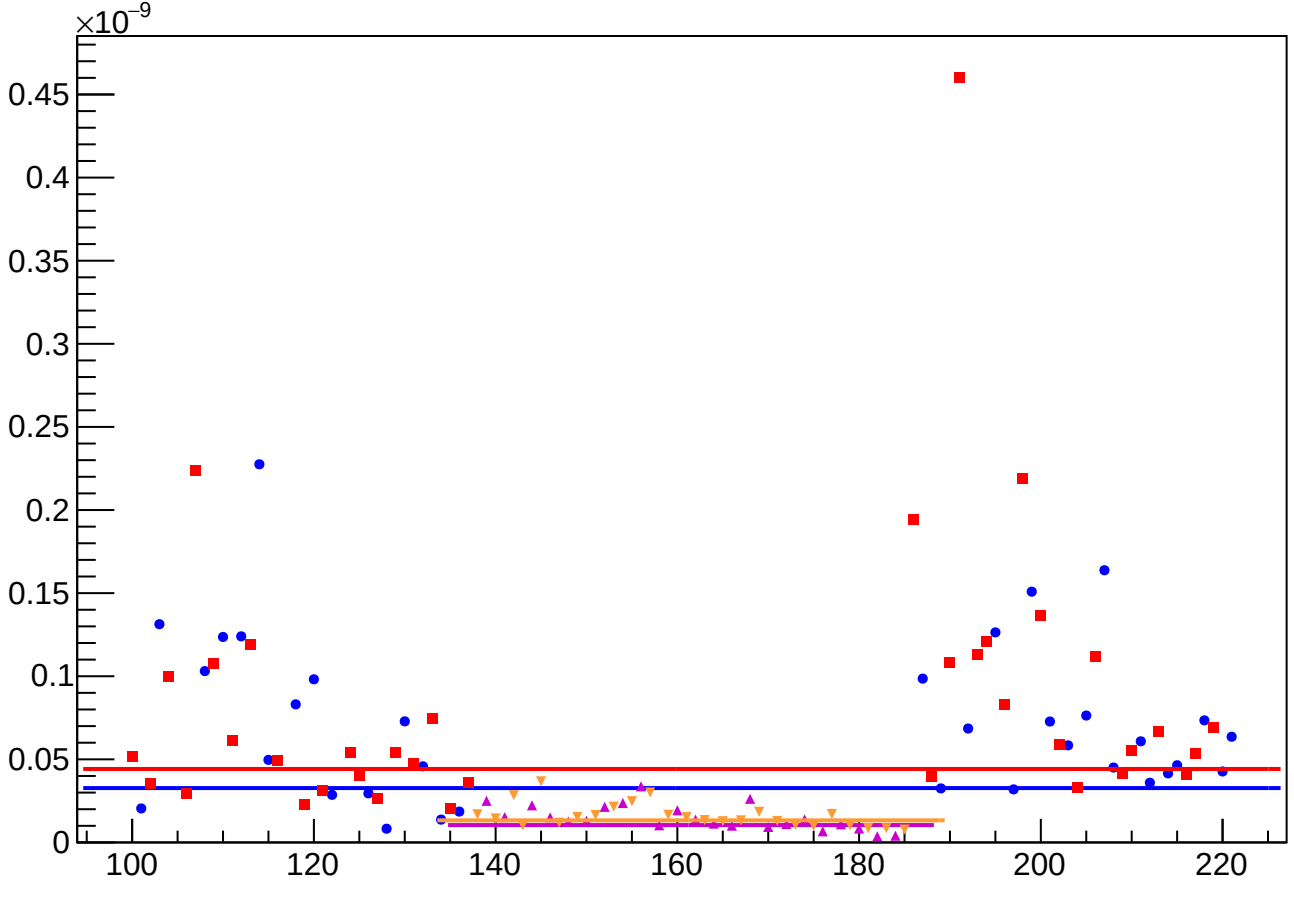
Right: 2636.453+/-0.286 χ^2/NDF: 2092926.9/70

In: 2564.090+/-0.287 χ^2/NDF:918828.6/56

Out: 2589.183+/-0.289 χ^2/NDF:1448564.5/61

All: 2576.542+/-0.204 χ^2/NDF: 2371190.4/11


asym_atl1_reg_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: 33.3/33
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.0/36
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 54.4/70
In: -0.000+/-0.000 χ²/NDF:66.3/56
Out: 0.000+/-0.000 χ²/NDF:50.1/61
All: -0.000+/-0.000 χ²/NDF: 120.6/118



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: 4229208.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

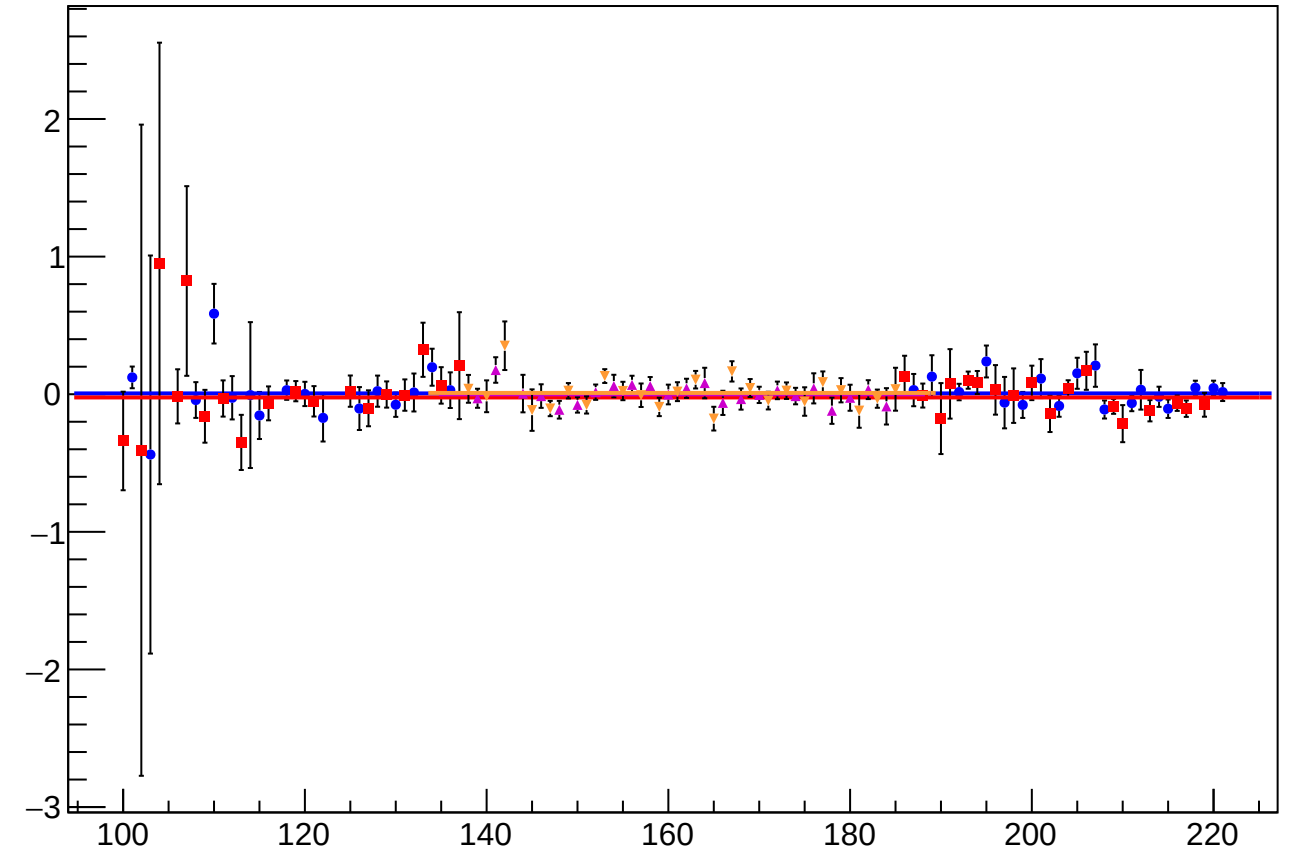
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11129487.5/70

In: 0.000+/-0.000 χ^2/NDF:13873837.8/56

Out: 0.000+/-0.000 χ^2/NDF:11537768.7/61

All: 0.000+/-0.000 χ^2/NDF: 25807395.6/118



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: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

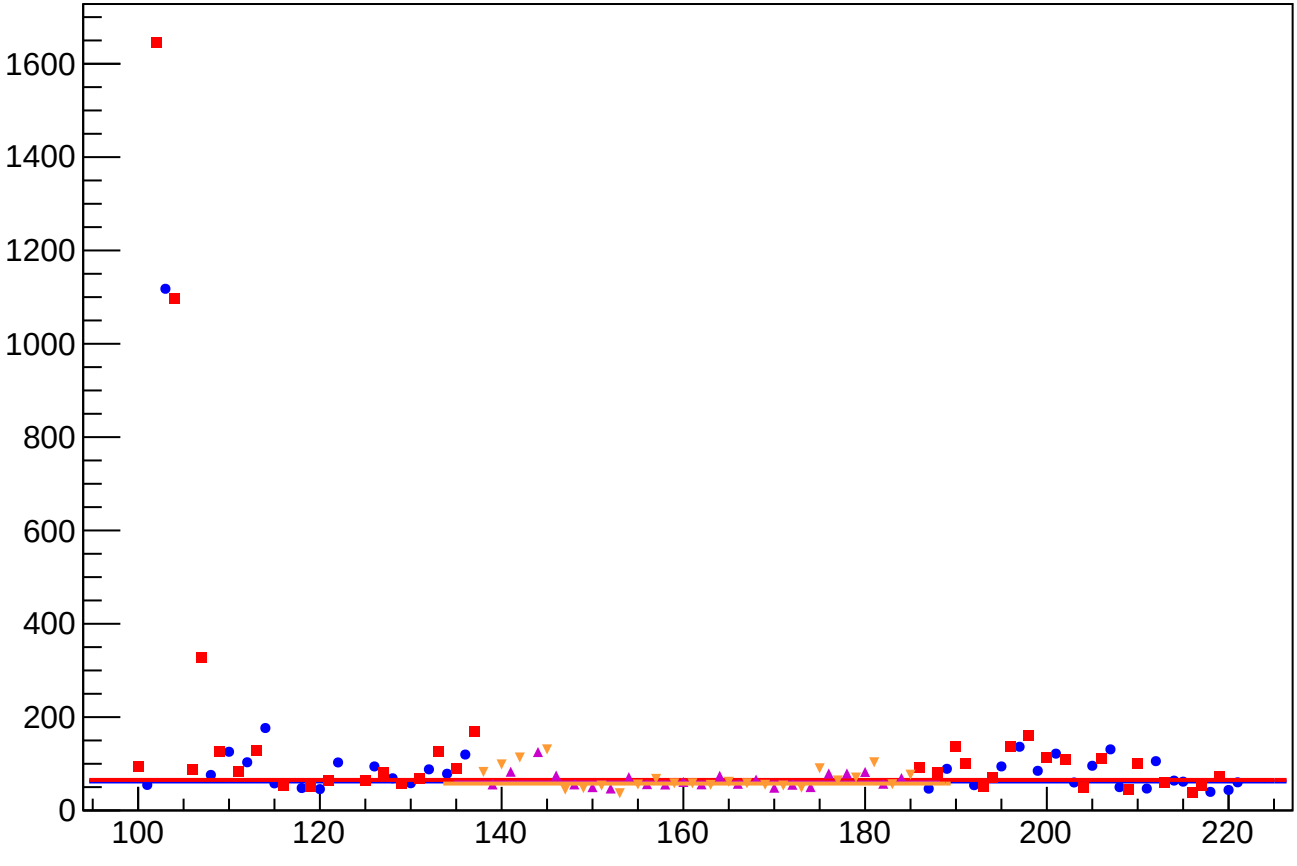
Right: -0.007+/-0.012 χ^2/NDF: 66.9/69

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.001+/-0.008 χ^2/NDF: 118.0/116

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: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

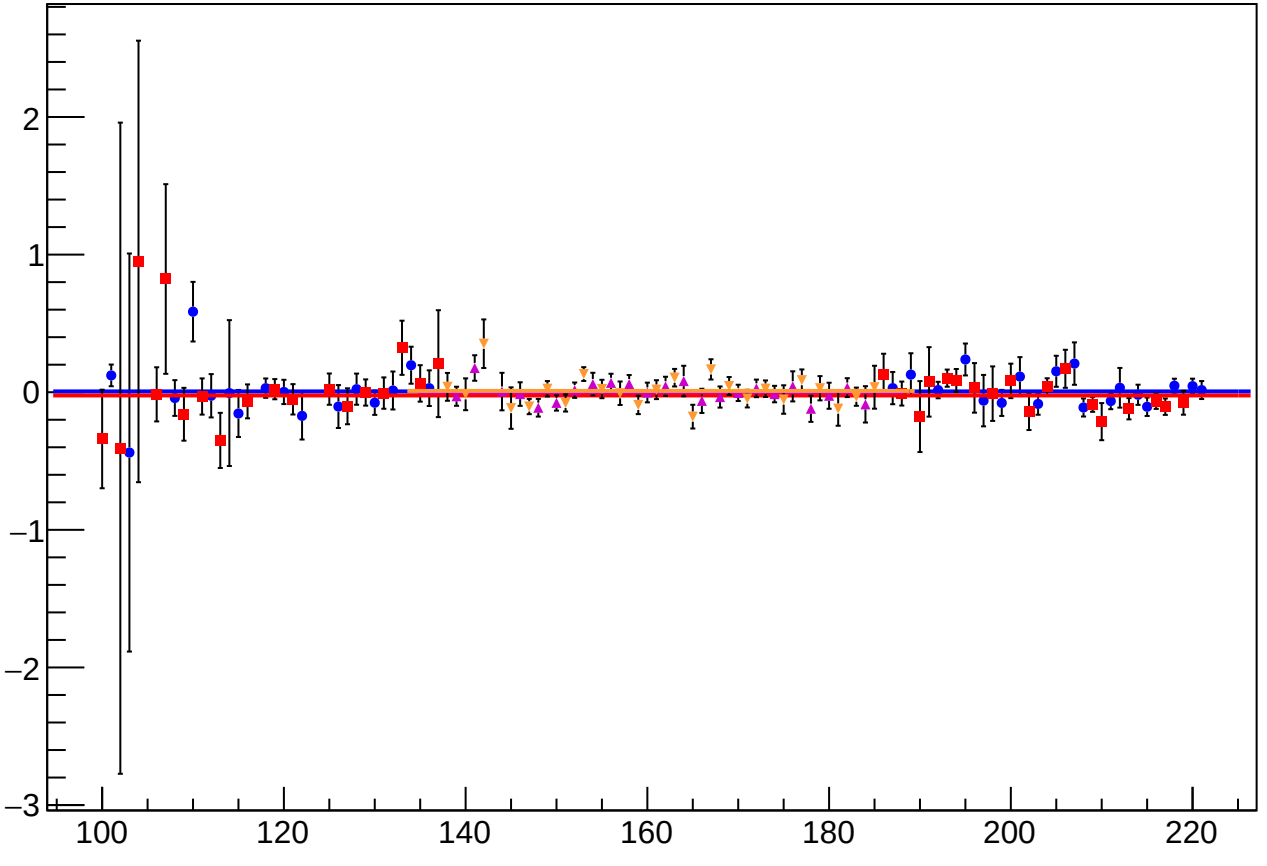
Right: 63.606+/-0.008 χ^2/NDF: 11163602.7/69

In: 60.937+/-0.008 χ^2/NDF:6373257.0/56

Out: 60.959+/-0.008 χ^2/NDF:8555157.5/59

All: 60.948+/-0.006 χ^2/NDF: 14928418.3/116

asym_atl1_dit_vs_eigen_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: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

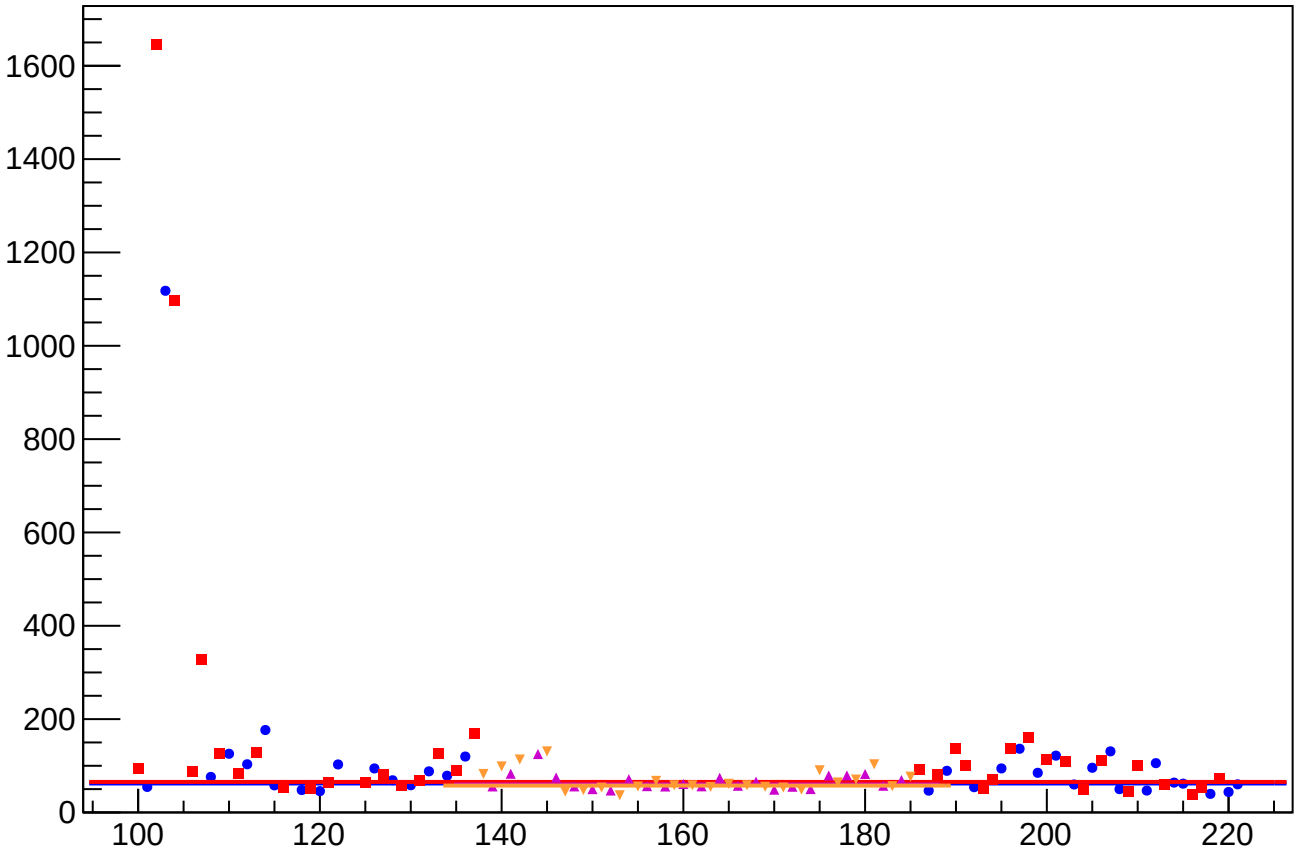
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.007+/-0.012 χ^2/NDF: 66.9/69

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.001+/-0.008 χ^2/NDF: 118.0/116



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: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

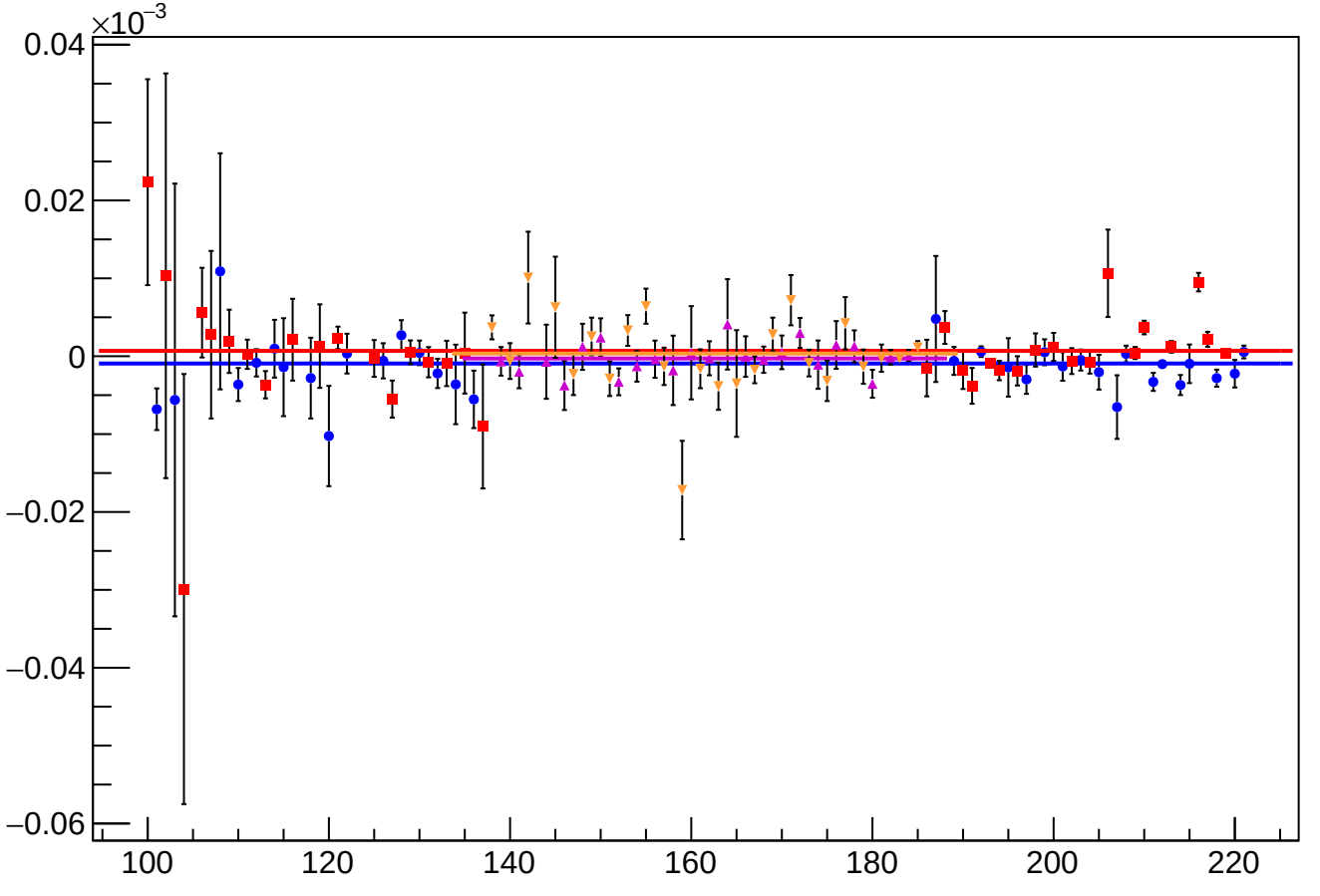
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 63.606+/-0.008 χ^2/NDF: 11163602.7/69

In: 60.937+/-0.008 χ^2/NDF:6373257.0/56

Out: 60.959+/-0.008 χ^2/NDF:8555157.5/59

All: 60.948+/-0.006 χ^2/NDF: 14928418.3/116



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: 117.5/35

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

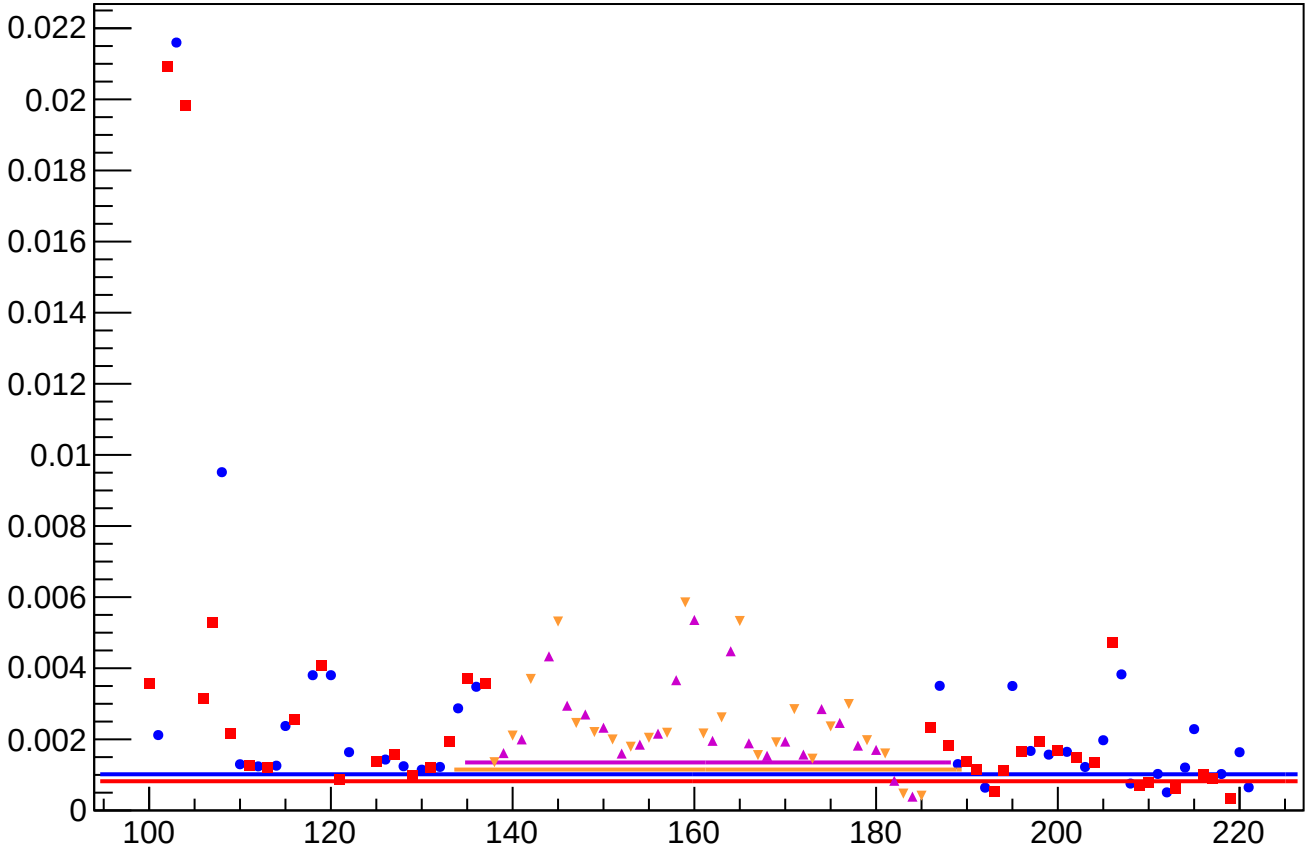
Right: -0.000+/-0.000 χ^2/NDF: 182.4/69

In: -0.000+/-0.000 χ^2/NDF:59.9/56

Out: 0.000+/-0.000 χ^2/NDF:164.9/59

All: 0.000+/-0.000 χ^2/NDF: 245.7/116

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: 12823650.6/35

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

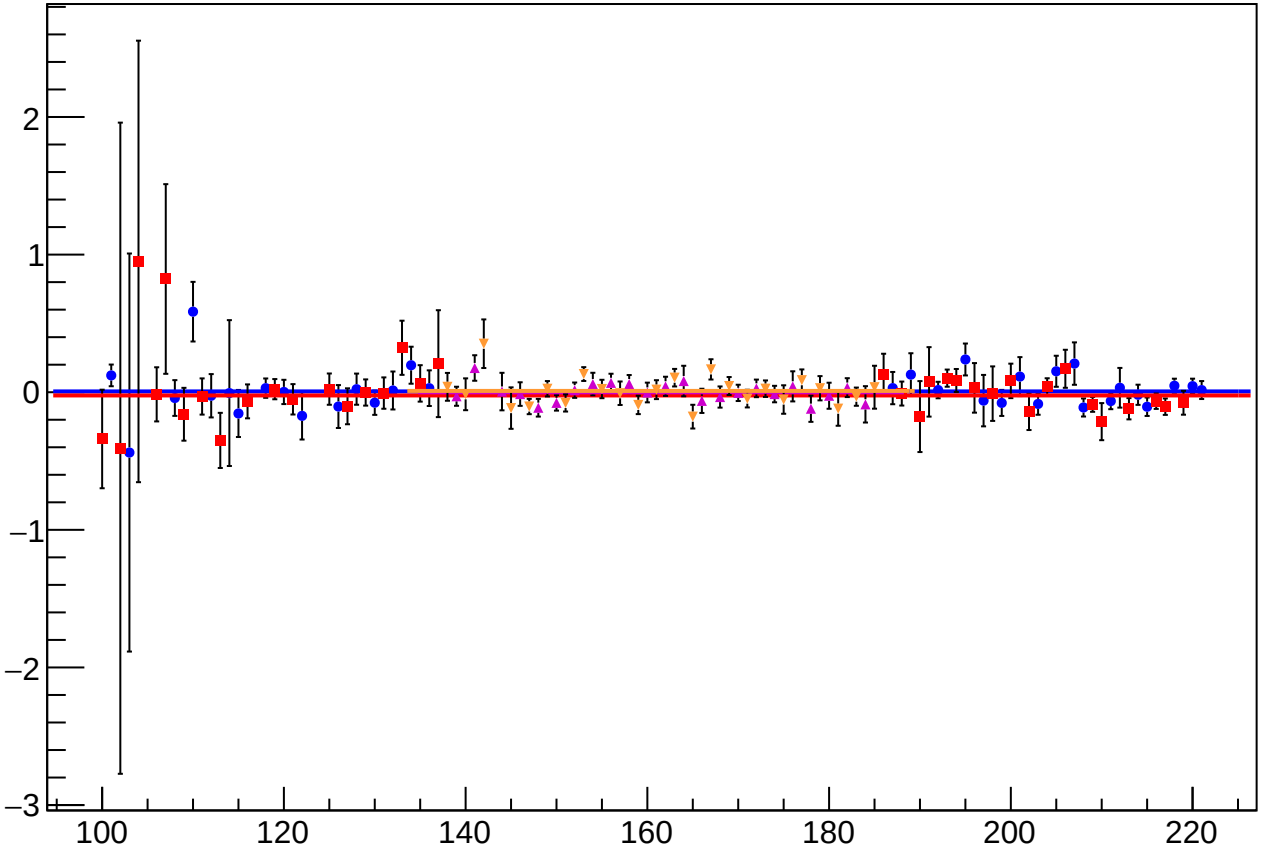
Right: 0.001+/-0.000 χ^2/NDF: 24689856.3/69

In: 0.001+/-0.000 χ^2/NDF:22504624.2/56

Out: 0.001+/-0.000 χ^2/NDF:27349429.5/59

All: 0.001+/-0.000 χ^2/NDF: 50846336.4/116

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: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

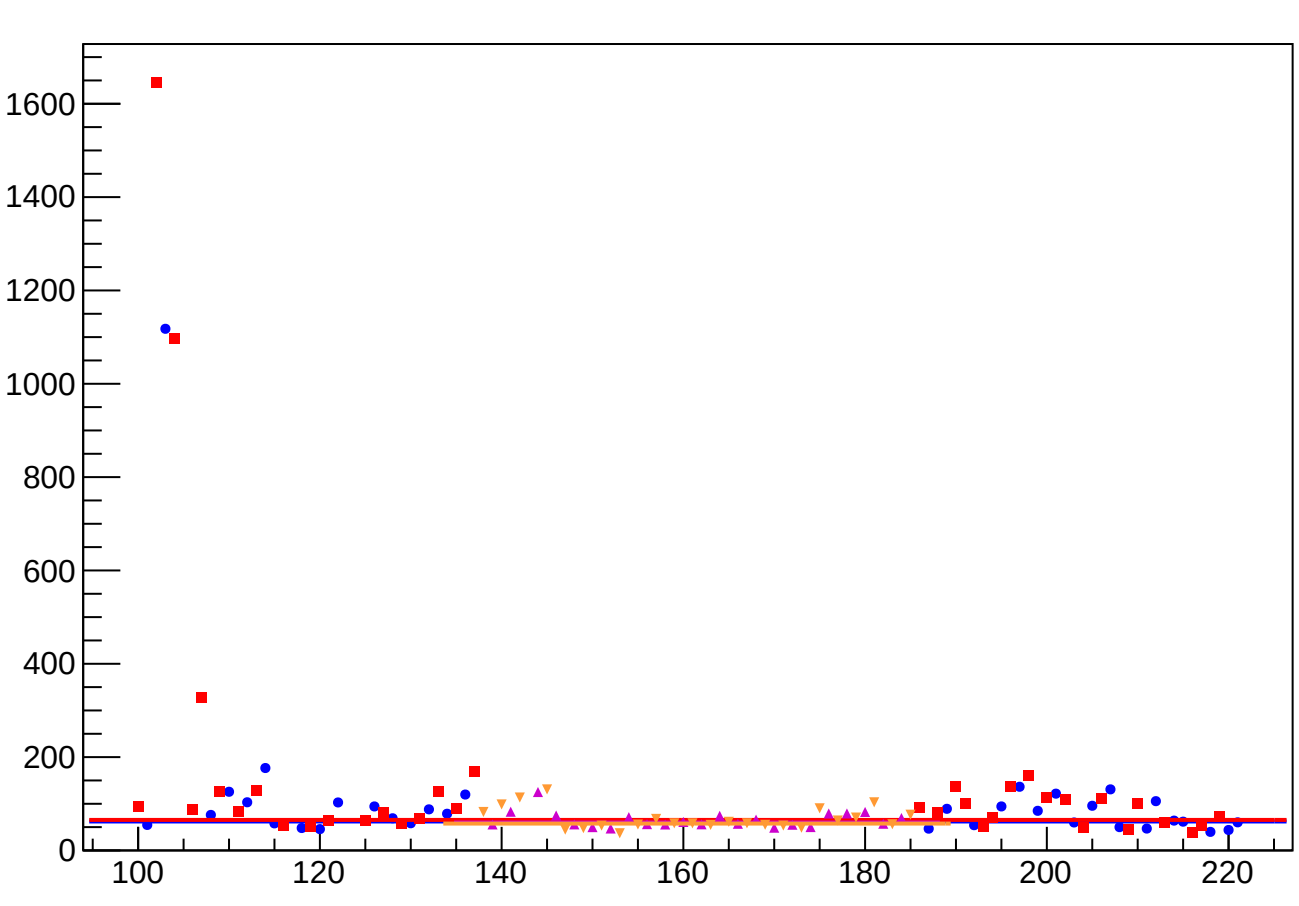
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.007+/-0.012 χ^2/NDF: 66.9/69

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.001+/-0.008 χ^2/NDF: 118.0/116



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: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

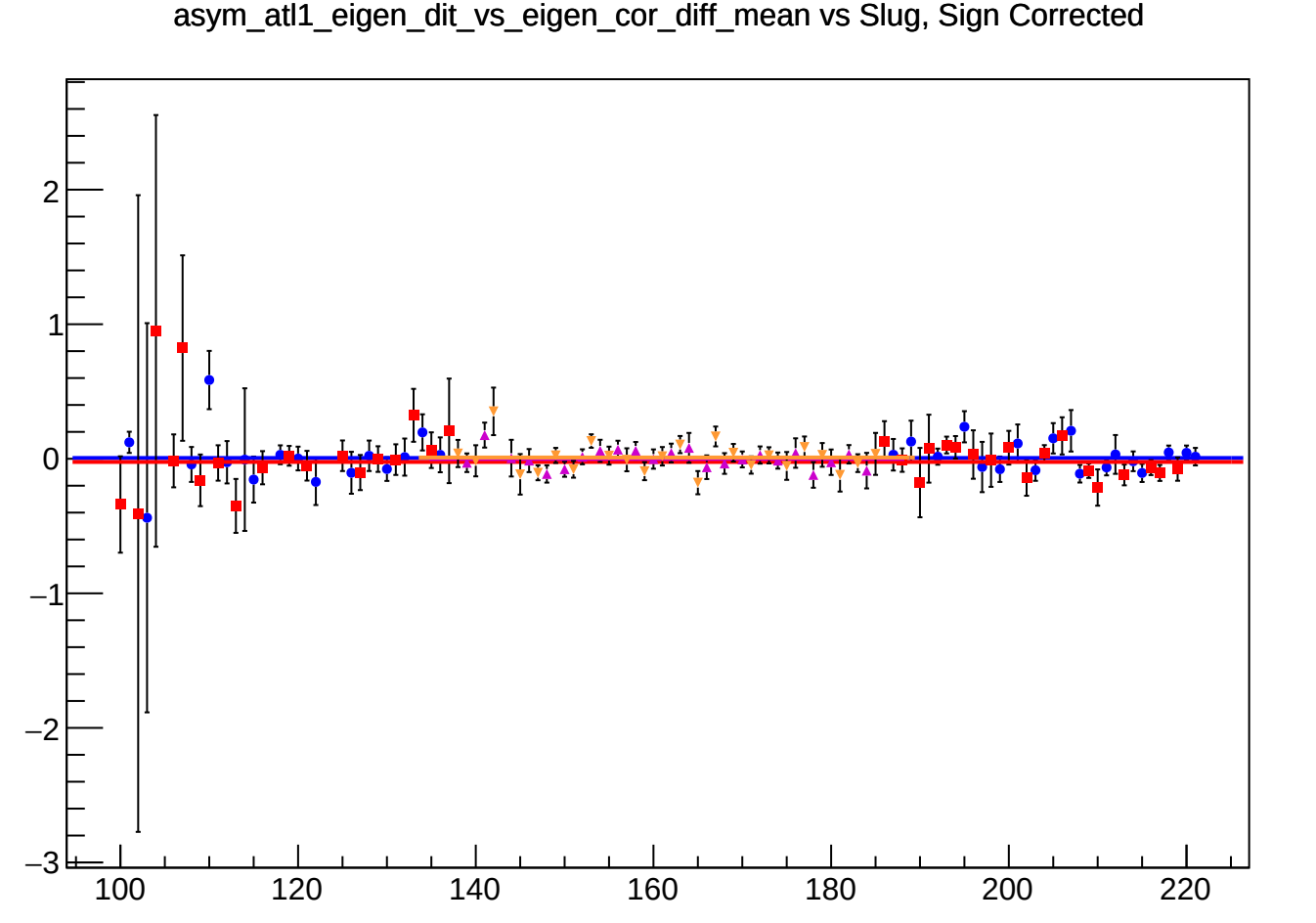
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 63.605+/-0.008 χ^2/NDF: 11163743.5/69

In: 60.937+/-0.008 χ^2/NDF:6373351.3/56

Out: 60.959+/-0.008 χ^2/NDF:8555248.9/59

All: 60.948+/-0.006 χ^2/NDF: 14928604.1/116



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: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

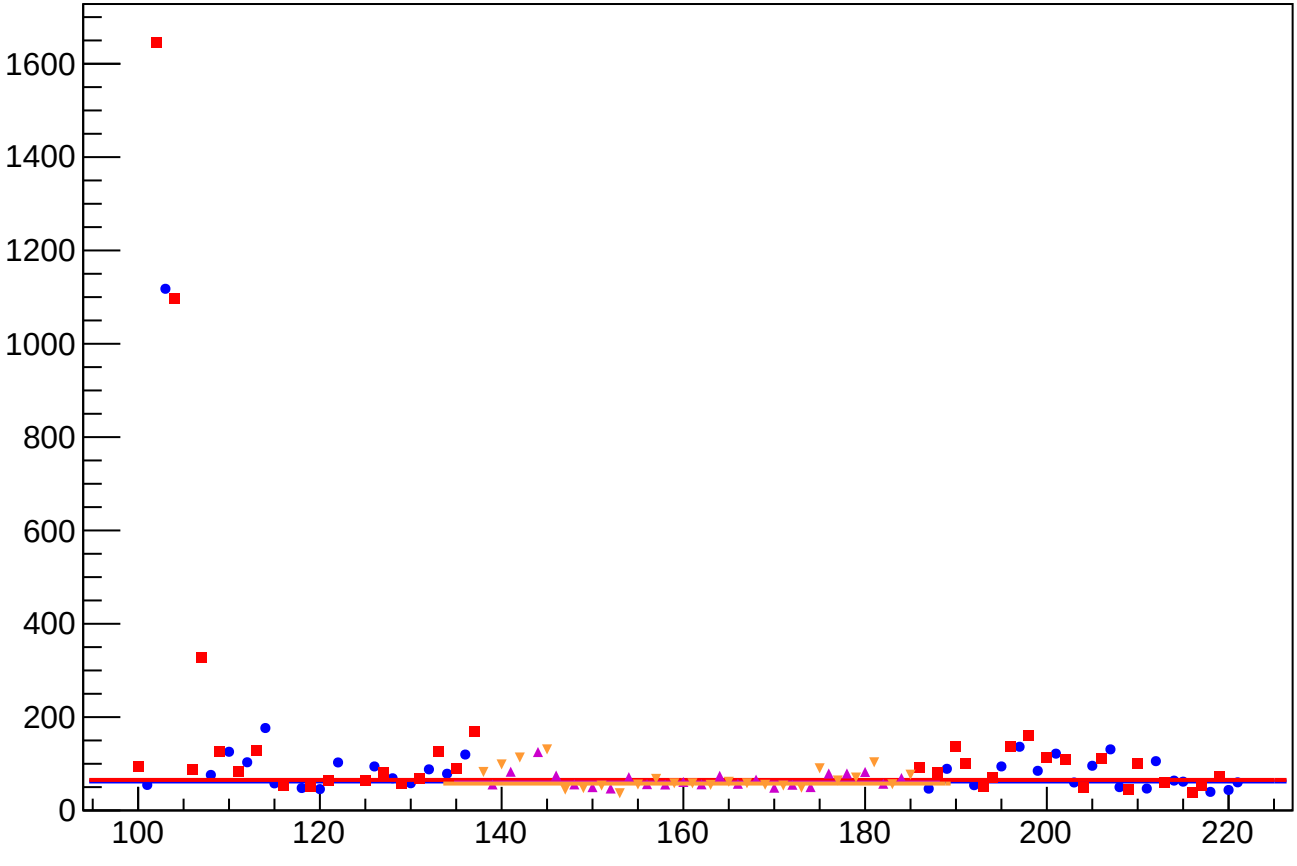
Right: -0.007+/-0.012 χ^2/NDF: 66.9/69

In: 0.002+/-0.011 χ^2/NDF:50.4/56

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.001+/-0.008 χ^2/NDF: 118.0/116

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: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

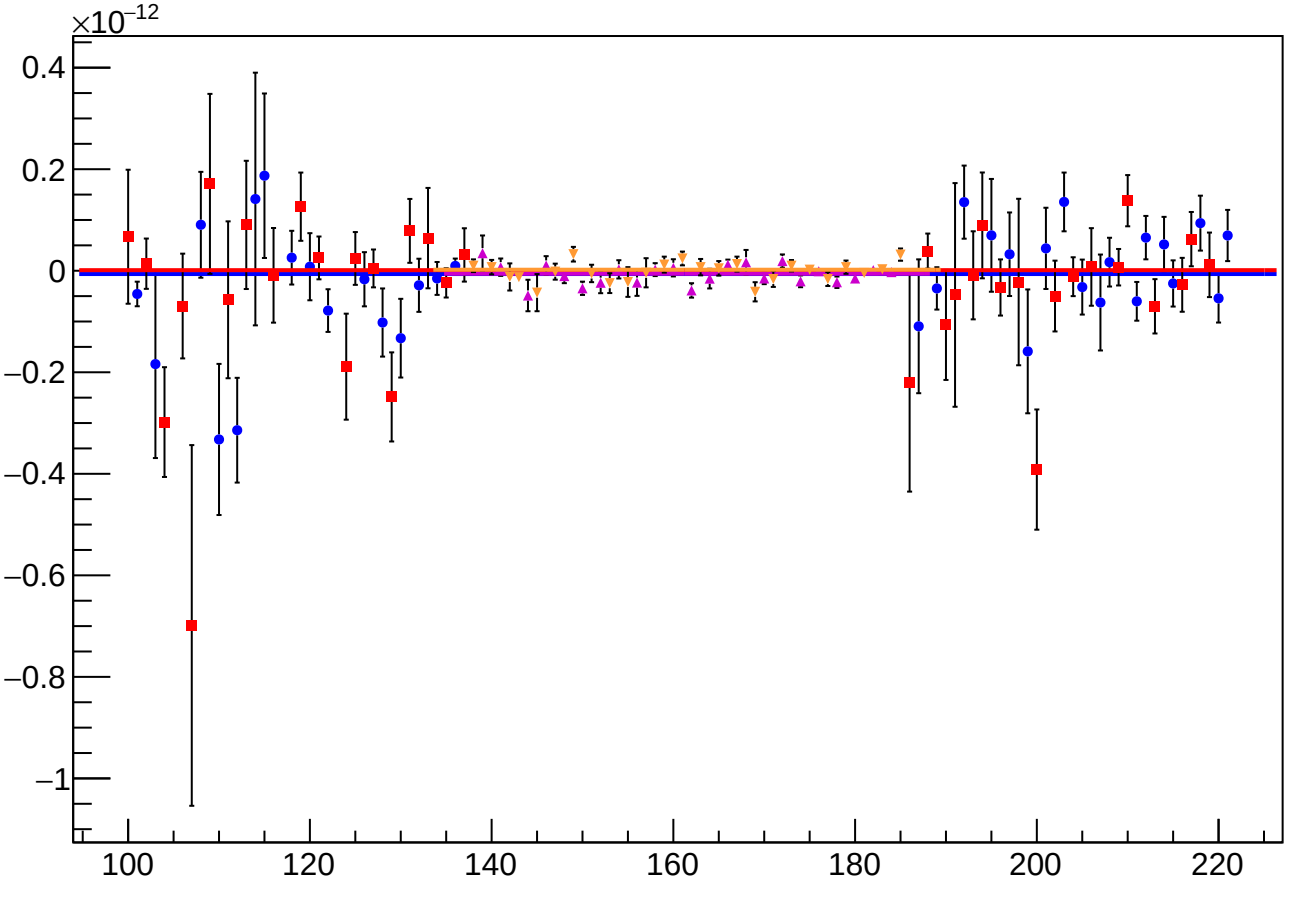
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 63.605+/-0.008 χ^2/NDF: 11163743.5/69

In: 60.937+/-0.008 χ^2/NDF:6373351.3/56

Out: 60.959+/-0.008 χ^2/NDF:8555248.9/59

All: 60.948+/-0.006 χ^2/NDF: 14928604.1/116



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: 59.2/36

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

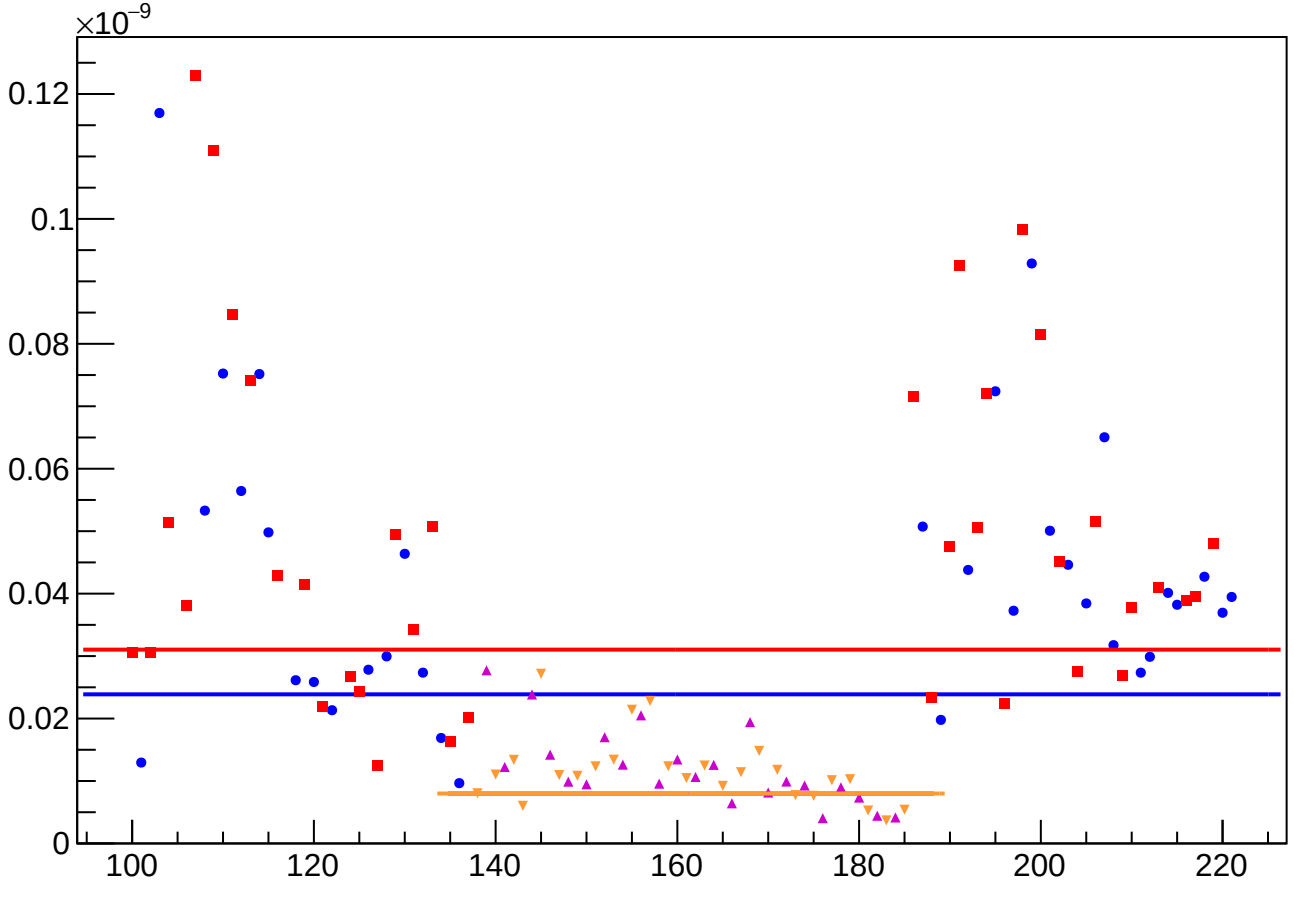
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 116.2/70

In: -0.000+/-0.000 χ^2/NDF:89.3/56

Out: 0.000+/-0.000 χ^2/NDF:91.1/61

All: -0.000+/-0.000 χ^2/NDF: 185.7/118



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: 4721831.0/36

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

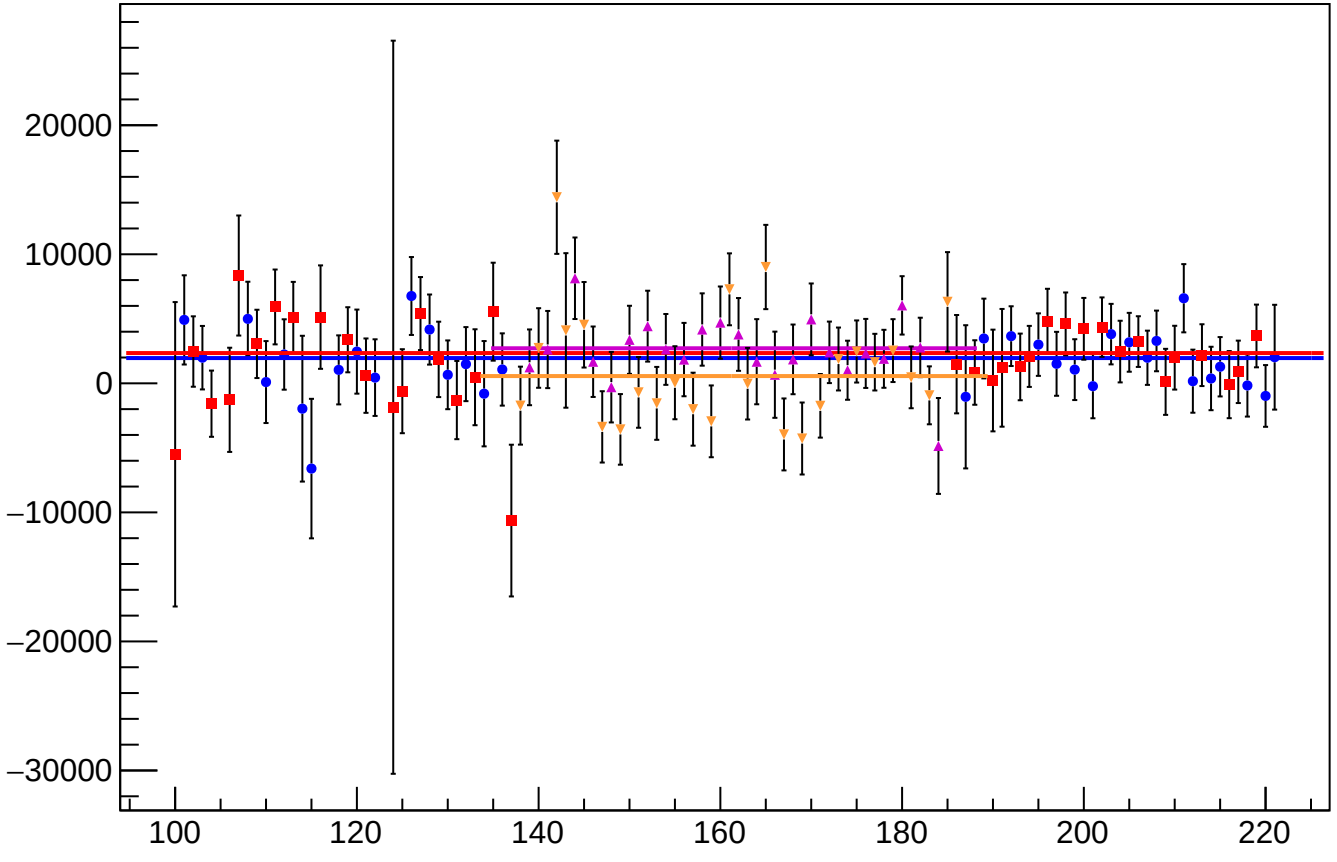
Right: 0.000+/-0.000 χ^2/NDF: 12641523.3/70

In: 0.000+/-0.000 χ^2/NDF:19680893.0/56

Out: 0.000+/-0.000 χ^2/NDF:19692363.6/61

All: 0.000+/-0.000 χ^2/NDF: 39376558.2/118

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: 2345.062+/-470.119 χ^2/NDF: 24.9/36

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

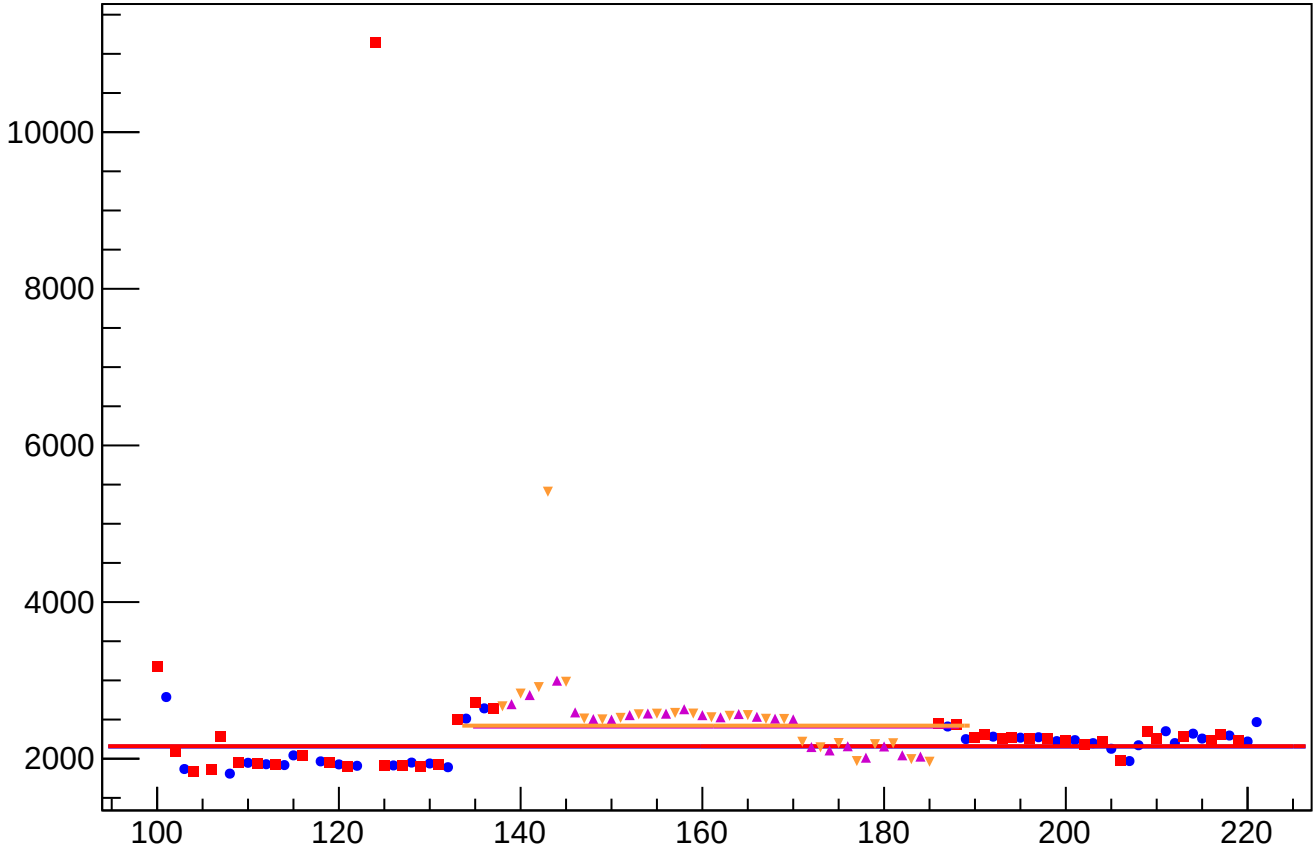
Right: 2150.116+/-331.674 χ^2/NDF: 44.7/70

In: 2265.111+/-360.728 χ^2/NDF:34.8/56

Out: 1603.938+/-359.345 χ^2/NDF:74.8/61

All: 1933.254+/-254.583 χ^2/NDF: 111.3/118

reg_asym_atl2_rms vs Slug, Sign Corrected



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: 2159.912+/-0.332 χ^2/NDF: 563551.3/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

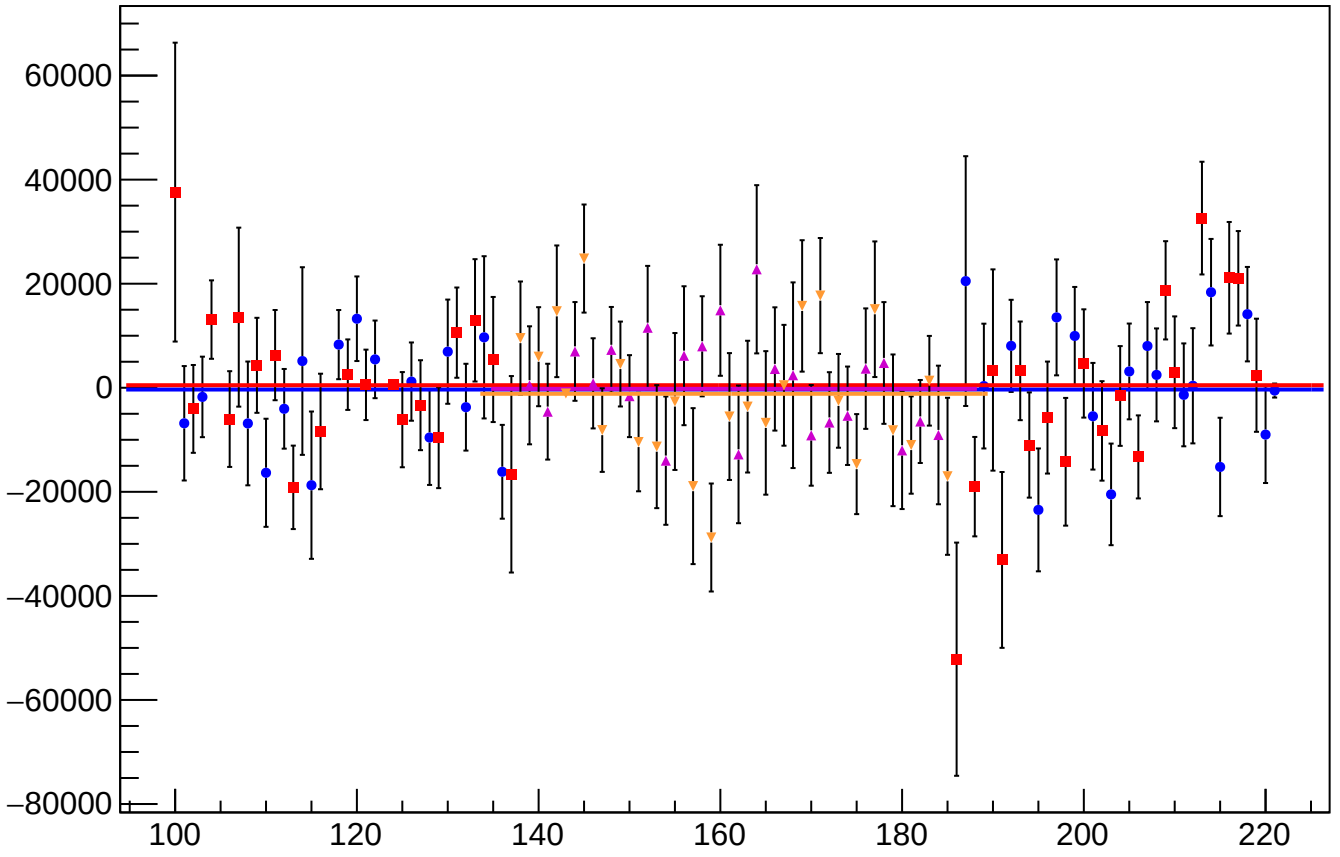
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2157.485+/-0.235 χ^2/NDF: 963177.9/70

In: 2258.478+/-0.255 χ^2/NDF:1068399.3/56

Out: 2268.935+/-0.254 χ^2/NDF:1775129.6/61

All: 2263.727+/-0.180 χ^2/NDF: 2844372.4/11



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: 489.714+/-734.437 χ^2/NDF: 60.7/36

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

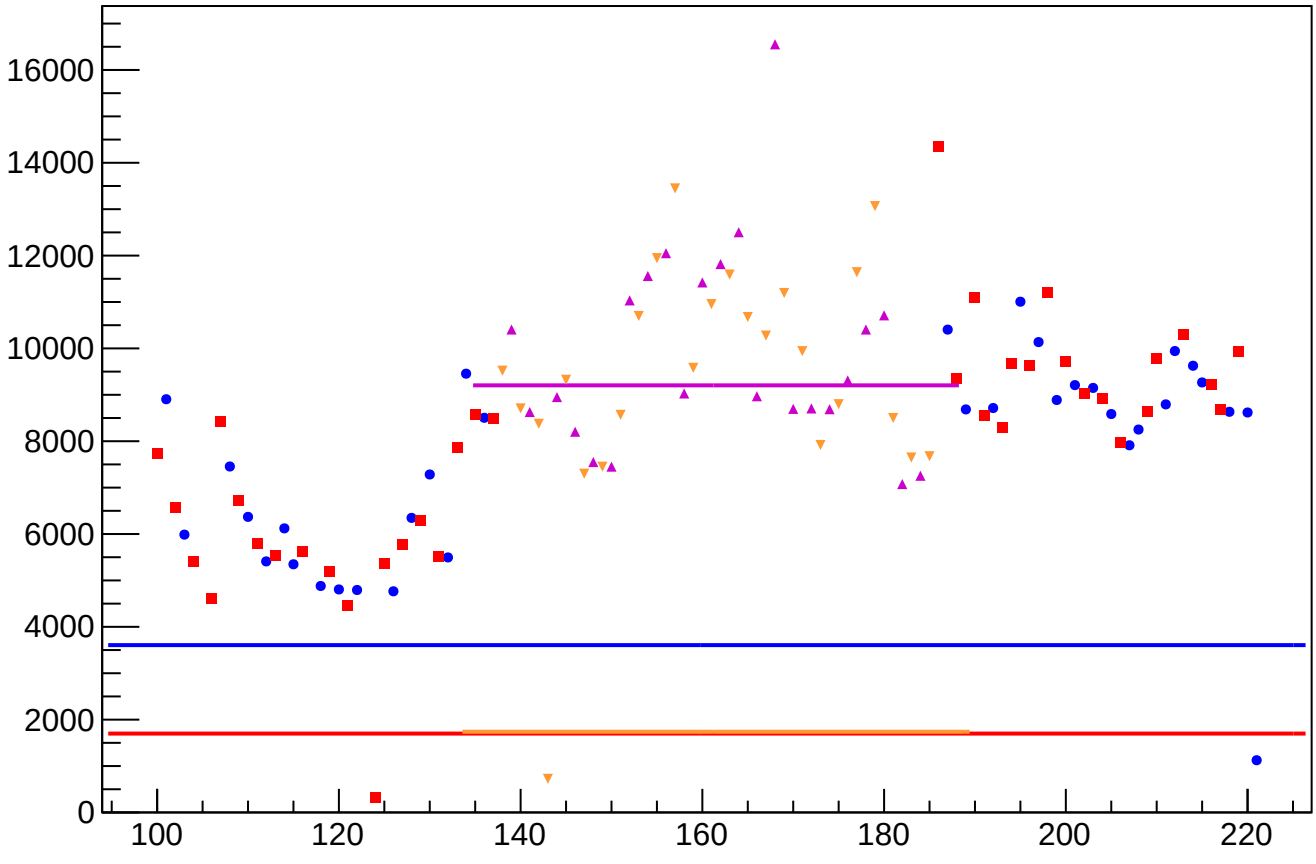
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 216.505+/-601.306 χ^2/NDF: 99.8/70

In: -315.010+/-945.184 χ^2/NDF:52.0/56

Out: -308.459+/-527.391 χ^2/NDF:95.1/61

All: -310.015+/-460.548 χ^2/NDF: 147.1/118



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: 1699.653+/-0.519 χ^2/NDF: 31899830.6/36

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

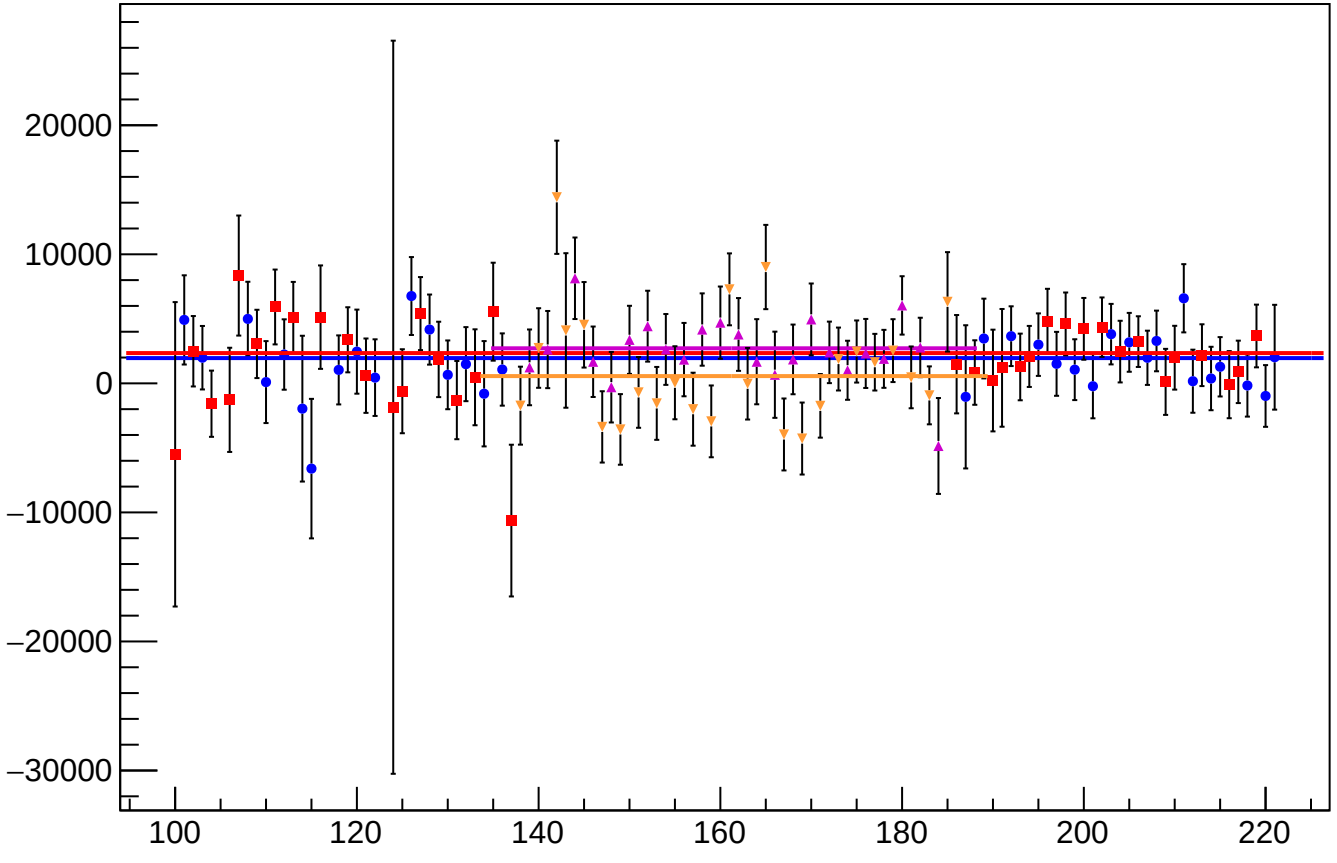
Right: 2328.151+/-0.425 χ^2/NDF: 55920686.9/70

In: 4643.923+/-0.668 χ^2/NDF:31445305.6/56

Out: 1719.046+/-0.373 χ^2/NDF:59636755.6/61

All: 2413.470+/-0.326 χ^2/NDF: 105686942.1

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: 2345.780+/-470.121 χ^2/NDF: 24.9/36

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

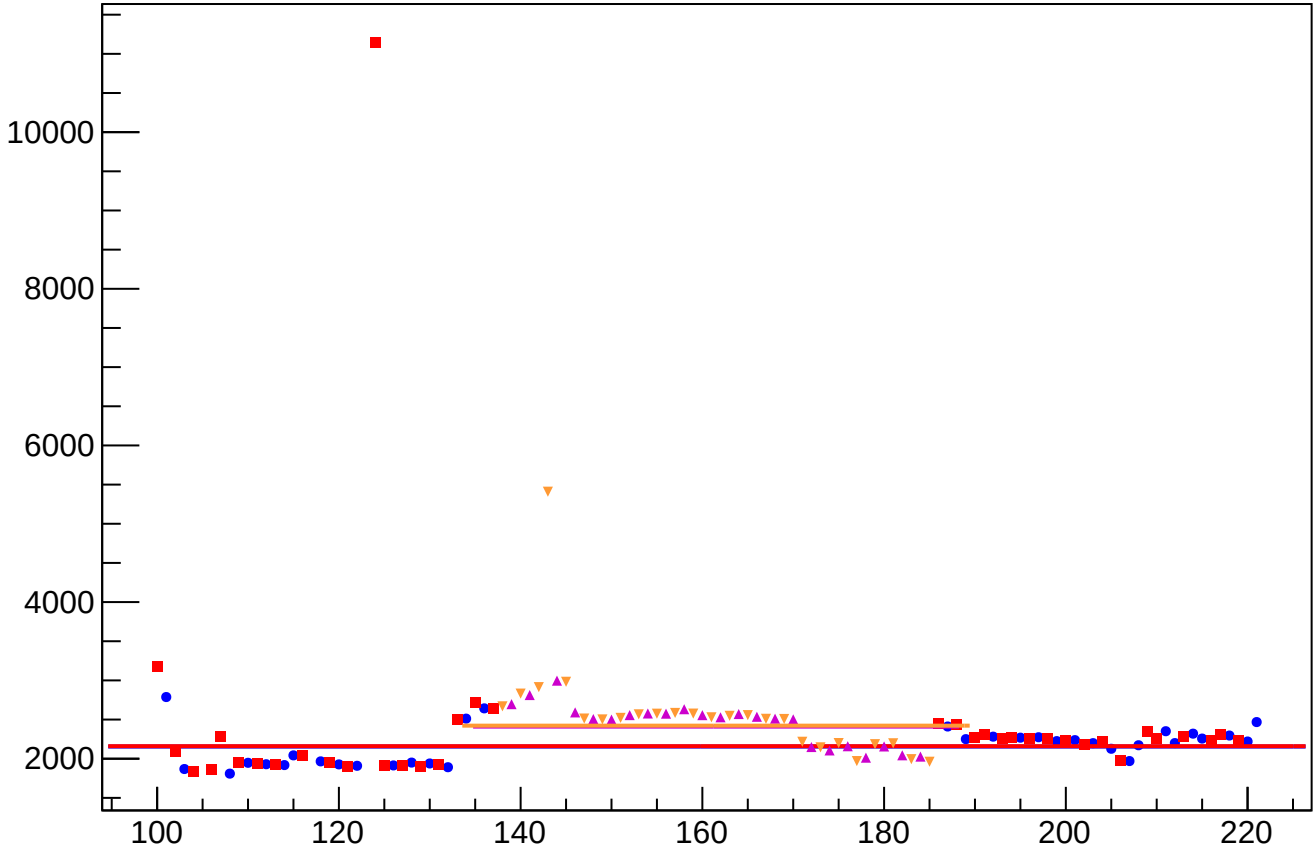
Right: 2150.459+/-331.675 χ^2/NDF: 44.7/70

In: 2265.079+/-360.728 χ^2/NDF:34.8/56

Out: 1604.355+/-359.346 χ^2/NDF:74.8/61

All: 1933.449+/-254.583 χ^2/NDF: 111.3/118

cor_asym_atl2_rms vs Slug, Sign Corrected



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: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

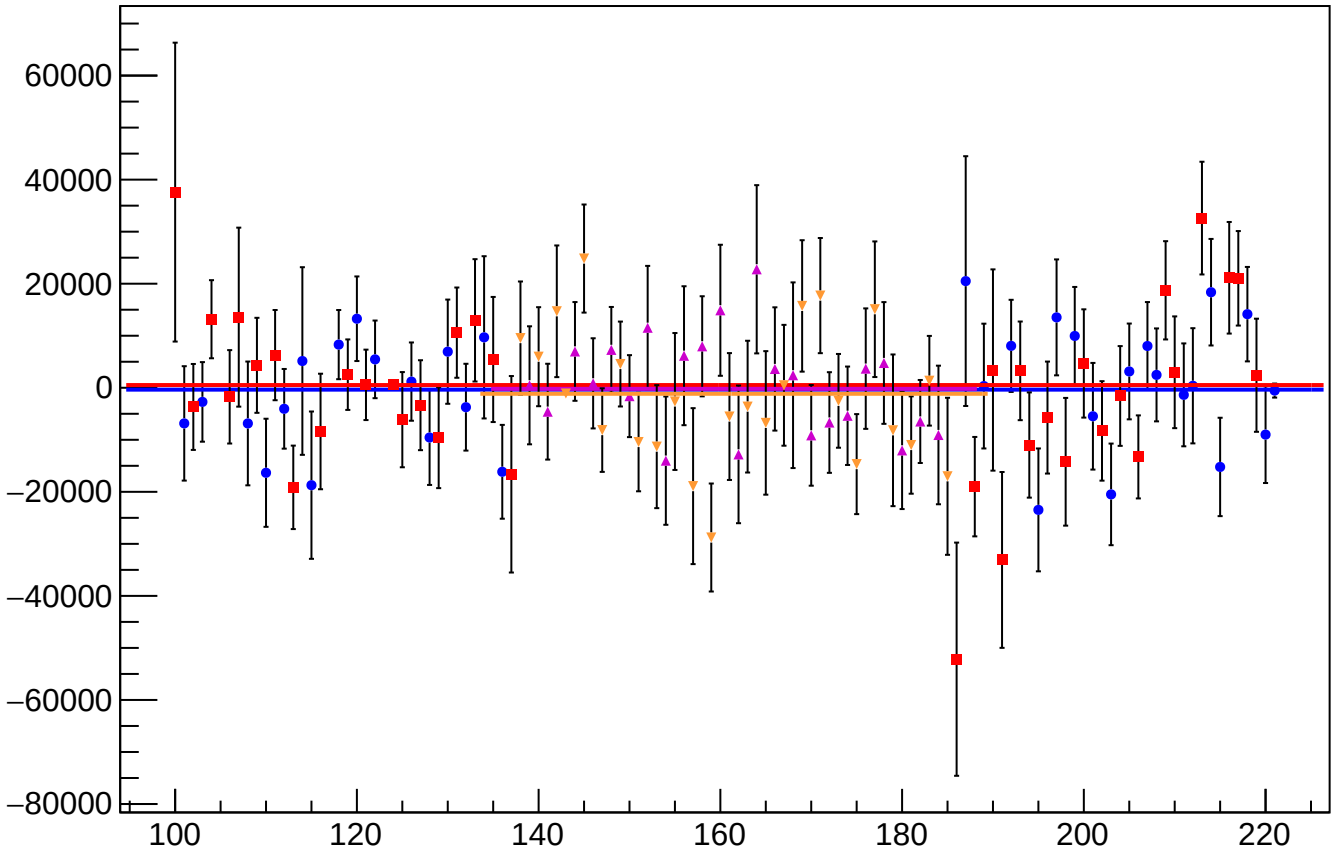
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2157.490+/-0.235 χ^2/NDF: 963167.7/70

In: 2258.478+/-0.255 χ^2/NDF:1068399.4/56

Out: 2268.941+/-0.254 χ^2/NDF:1775099.7/61

All: 2263.730+/-0.180 χ^2/NDF: 2844343.6/11



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: 520.168+/-734.141 χ^2/NDF: 60.3/36

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

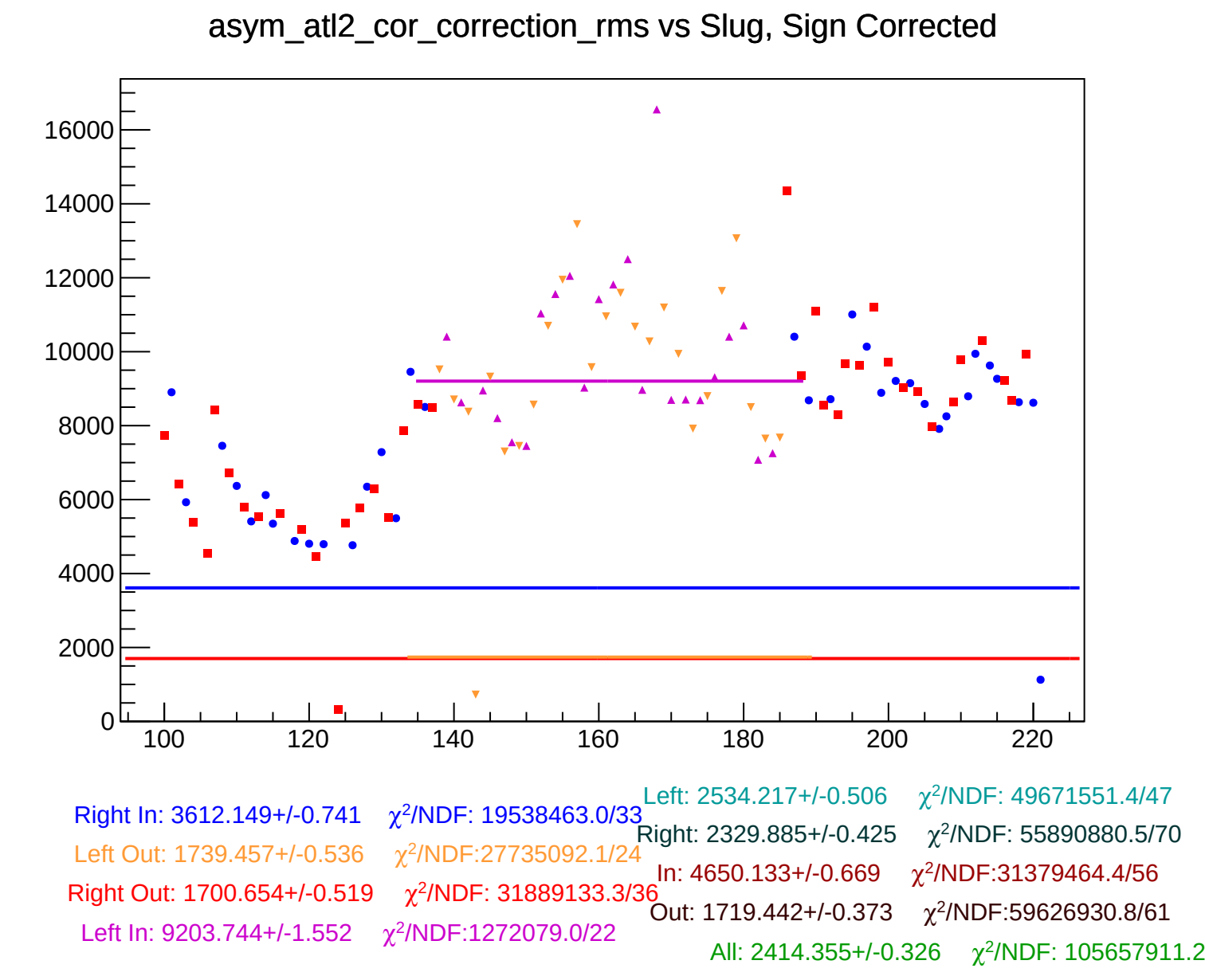
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

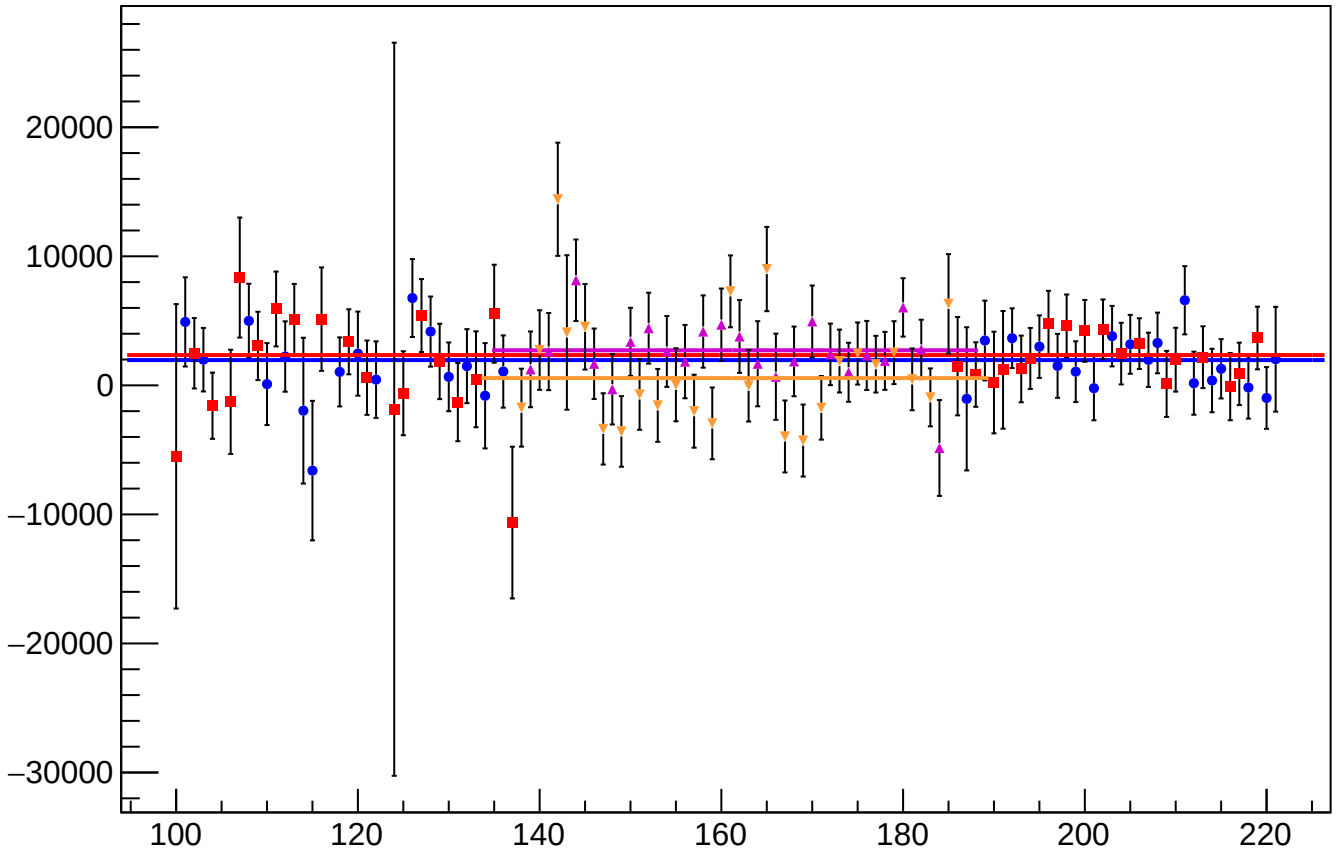
Right: 230.418+/-601.287 χ^2/NDF: 99.5/70

In: -332.095+/-945.743 χ^2/NDF:52.1/56

Out: -292.373+/-527.259 χ^2/NDF:94.8/61

All: -301.792+/-460.525 χ^2/NDF: 146.9/118


asym_atl2_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: 3612.149+/-0.741 χ²/NDF: 19538463.0/33
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1700.654+/-0.519 χ²/NDF: 31889133.3/36
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 2329.885+/-0.425 χ²/NDF: 55890880.5/70
In: 4650.133+/-0.669 χ²/NDF:31379464.4/56
Out: 1719.442+/-0.373 χ²/NDF:59626930.8/61
All: 2414.355+/-0.326 χ²/NDF: 105657911.2



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: 2345.780+/-470.121 χ^2/NDF: 24.9/36

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

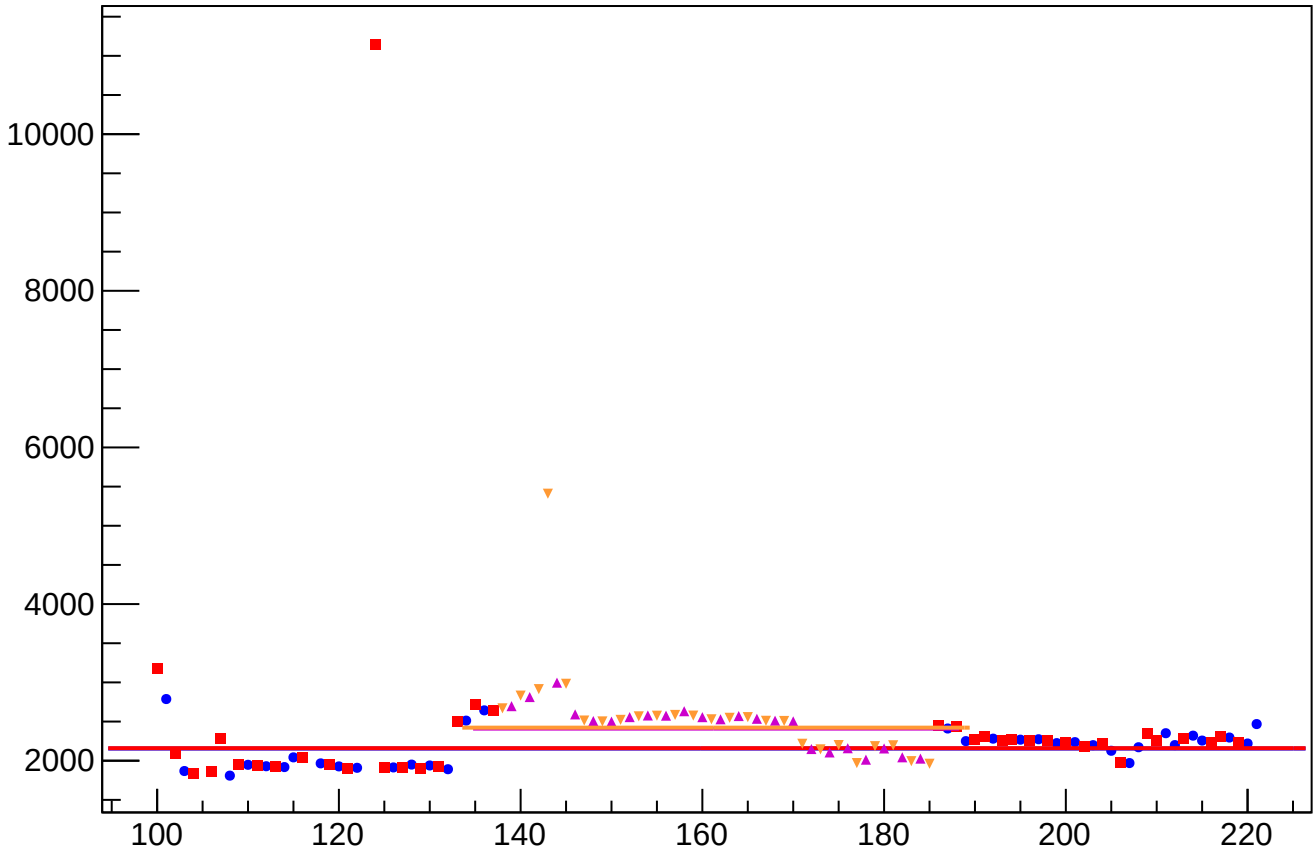
Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

Right: 2150.459+/-331.675 χ^2/NDF: 44.7/70

In: 2265.079+/-360.728 χ^2/NDF:34.8/56

Out: 1604.355+/-359.346 χ^2/NDF:74.8/61

All: 1933.449+/-254.583 χ^2/NDF: 111.3/118



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: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

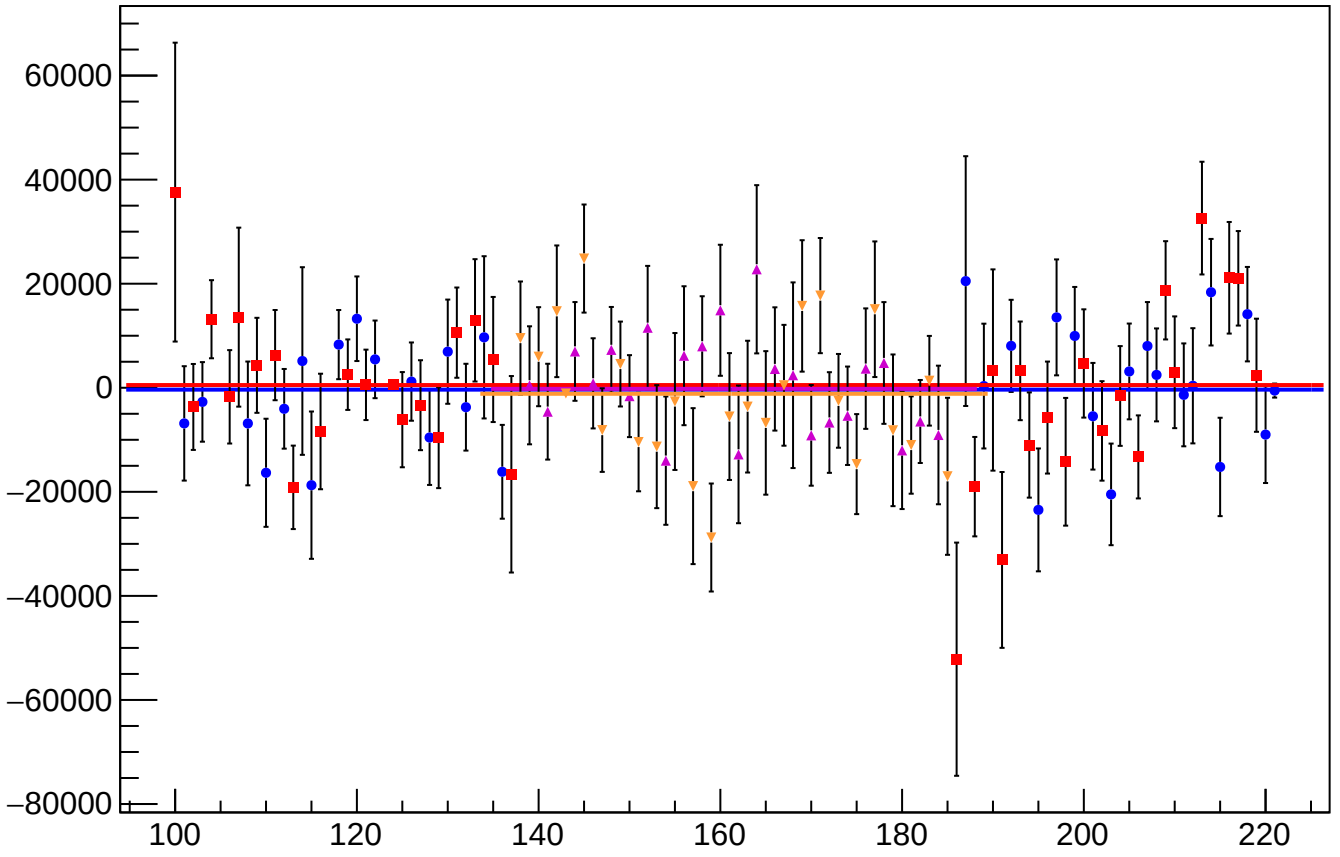
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2157.490+/-0.235 χ^2/NDF: 963167.7/70

In: 2258.478+/-0.255 χ^2/NDF:1068399.4/56

Out: 2268.941+/-0.254 χ^2/NDF:1775099.7/61

All: 2263.730+/-0.180 χ^2/NDF: 2844343.6/11



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: 520.168+/-734.141 χ^2/NDF: 60.3/36

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

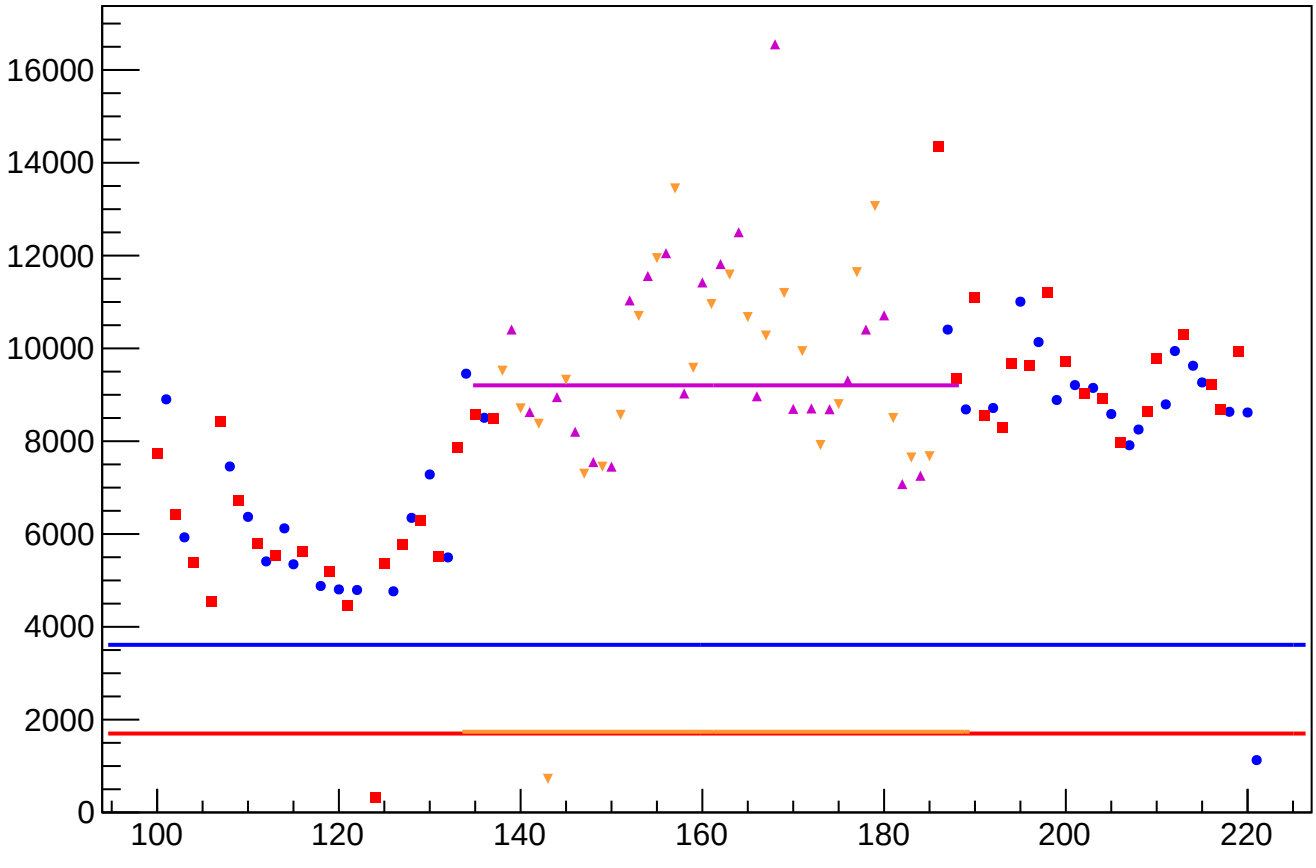
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 230.418+/-601.287 χ^2/NDF: 99.5/70

In: -332.095+/-945.743 χ^2/NDF:52.1/56

Out: -292.373+/-527.259 χ^2/NDF:94.8/61

All: -301.792+/-460.525 χ^2/NDF: 146.9/118



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: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

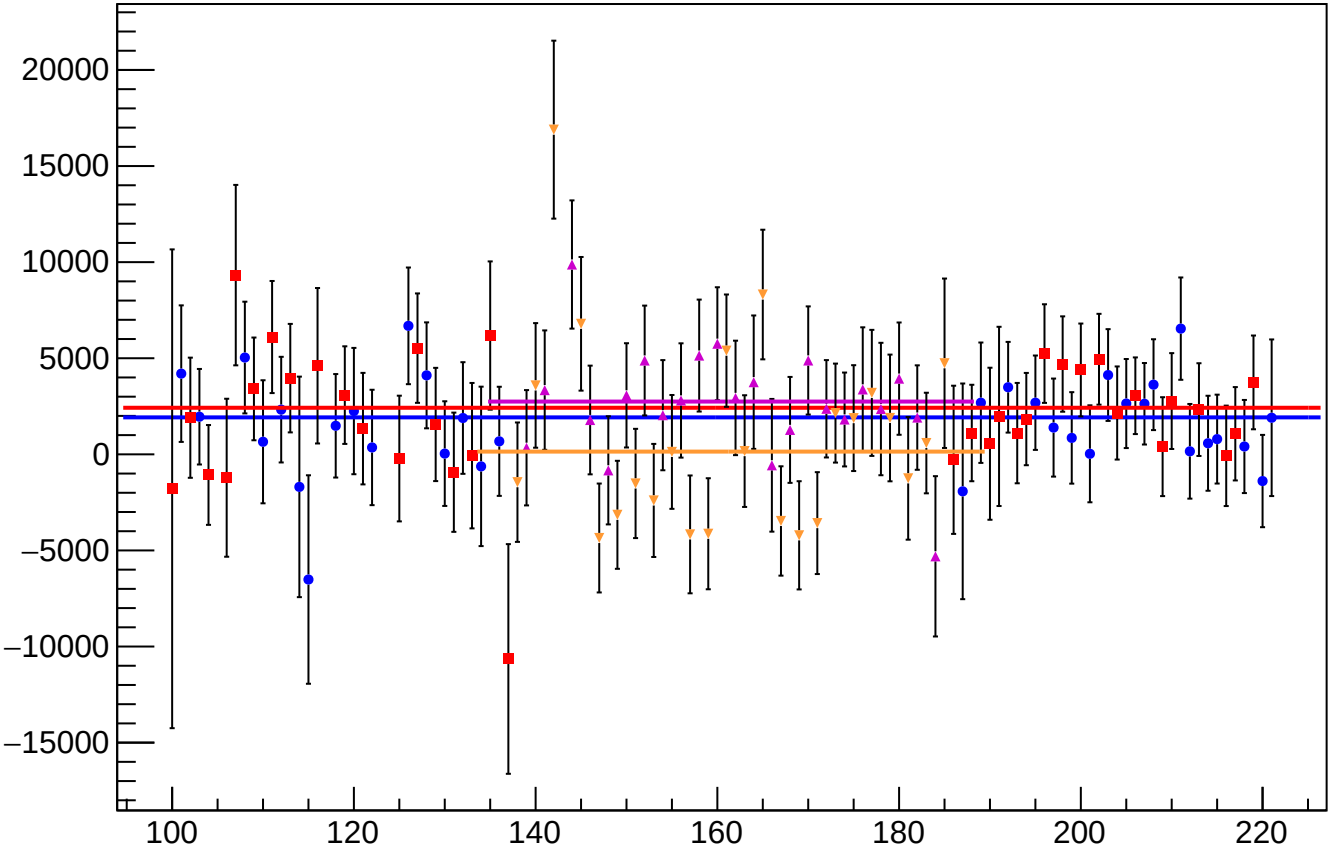
Right: 2329.885+/-0.425 χ^2/NDF: 55890880.5/70

In: 4650.133+/-0.669 χ^2/NDF:31379464.4/56

Out: 1719.442+/-0.373 χ^2/NDF:59626930.8/61

All: 2414.355+/-0.326 χ^2/NDF: 105657911.2

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: 2423.241+/-477.197 χ^2/NDF: 24.1/35

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

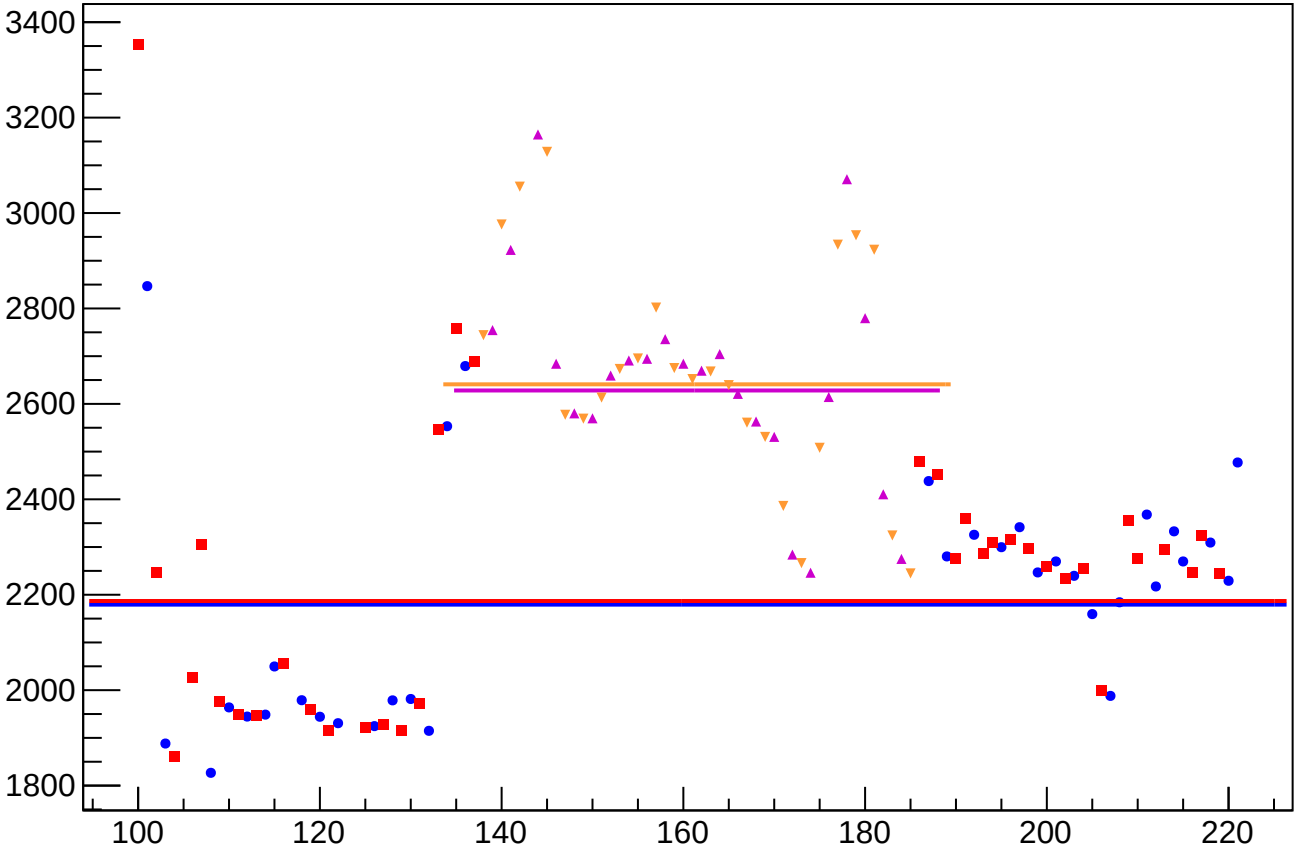
Right: 2171.249+/-336.087 χ^2/NDF: 43.5/69

In: 2228.664+/-375.400 χ^2/NDF:35.4/56

Out: 1567.394+/-377.182 χ^2/NDF:78.5/59

All: 1899.595+/-266.076 χ^2/NDF: 115.4/116

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: 2186.873+/-0.337 χ^2/NDF: 362794.6/35

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

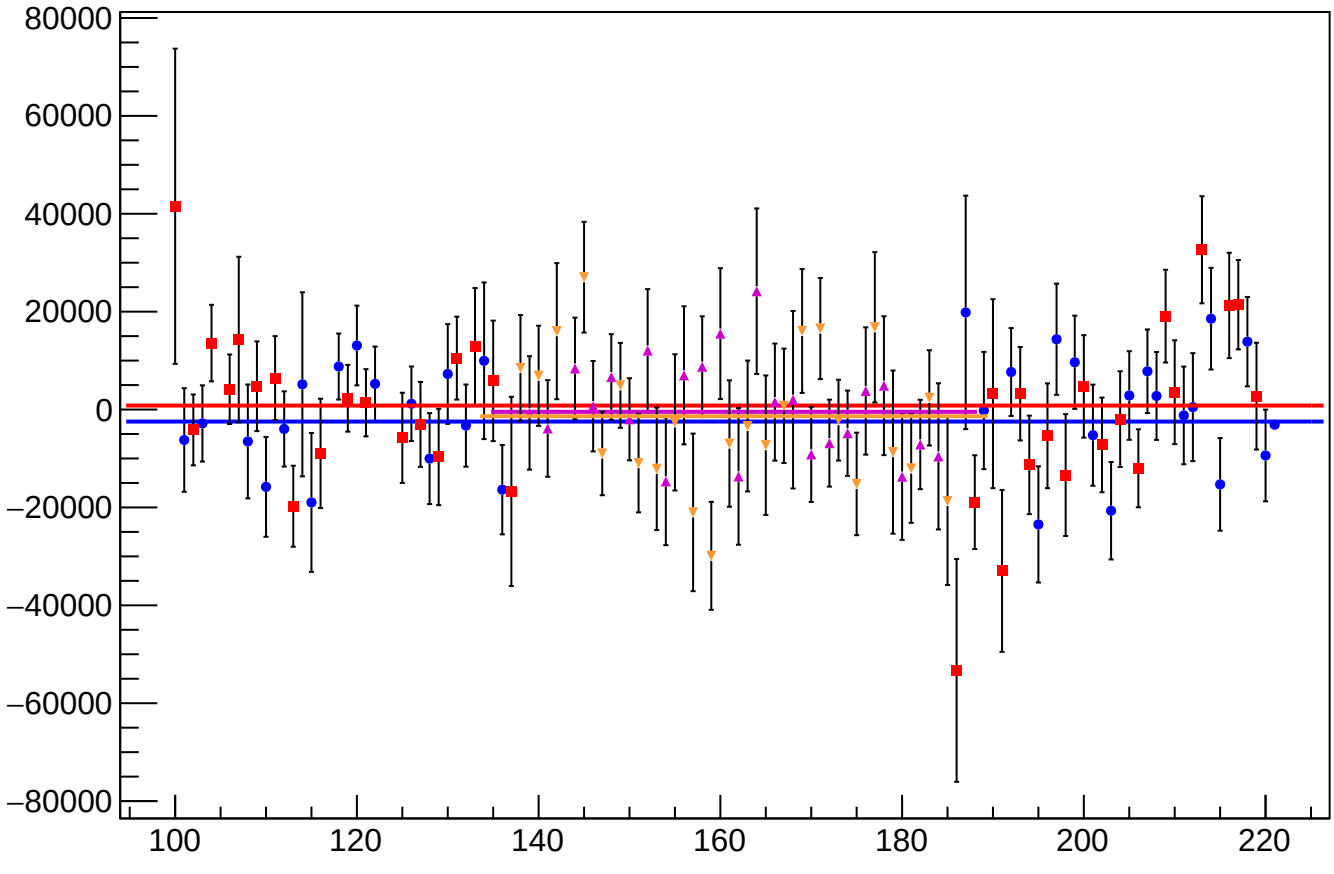
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2183.066+/-0.238 χ^2/NDF: 771133.8/69

In: 2345.926+/-0.265 χ^2/NDF:1312834.8/56

Out: 2357.157+/-0.267 χ^2/NDF:1296151.7/59

All: 2351.517+/-0.188 χ^2/NDF: 2609877.6/11



Right In: -2454.537+/-781.427 χ^2/NDF: 40.7/33

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 814.039+/-1633.329 χ^2/NDF: 60.1/35

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

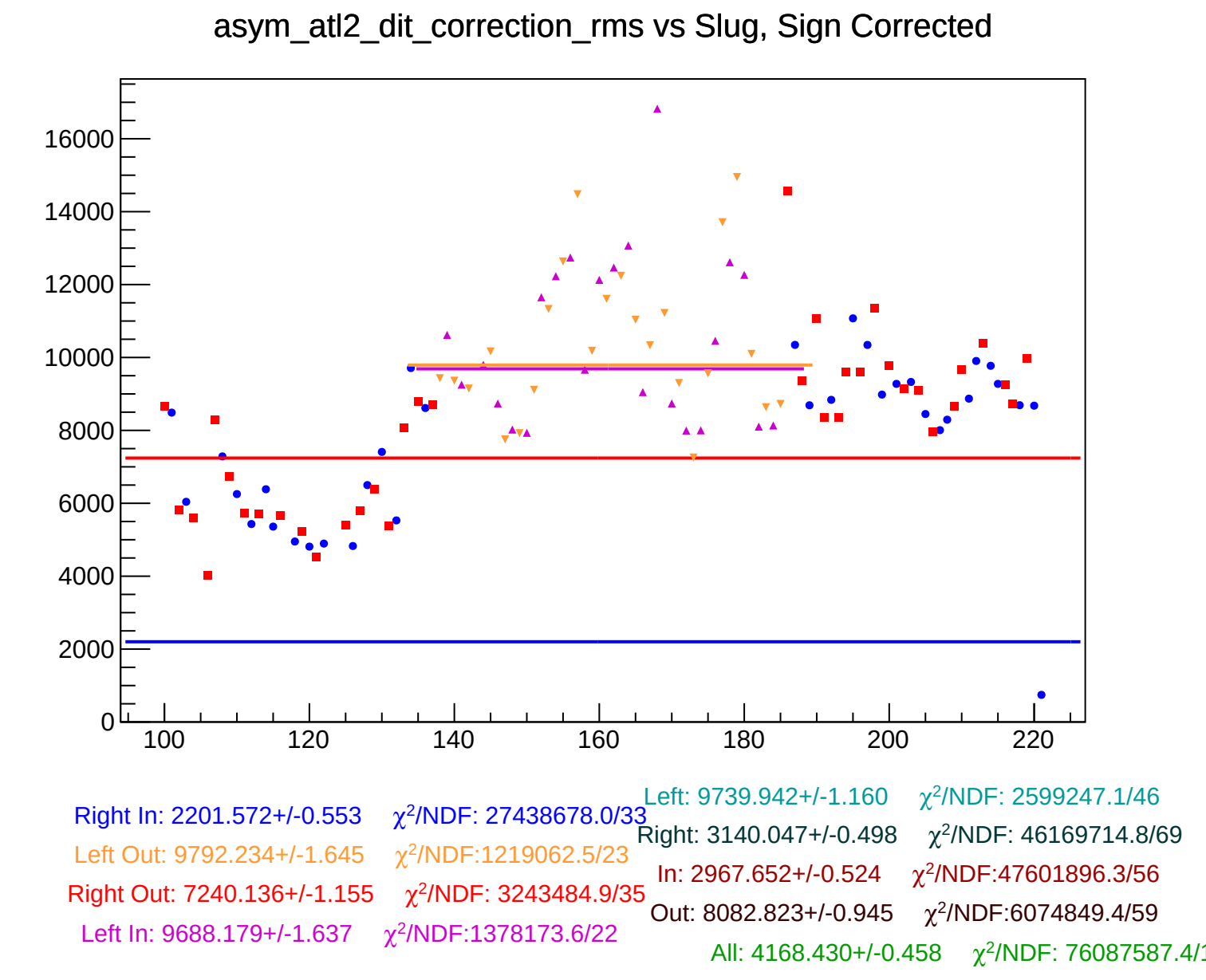
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

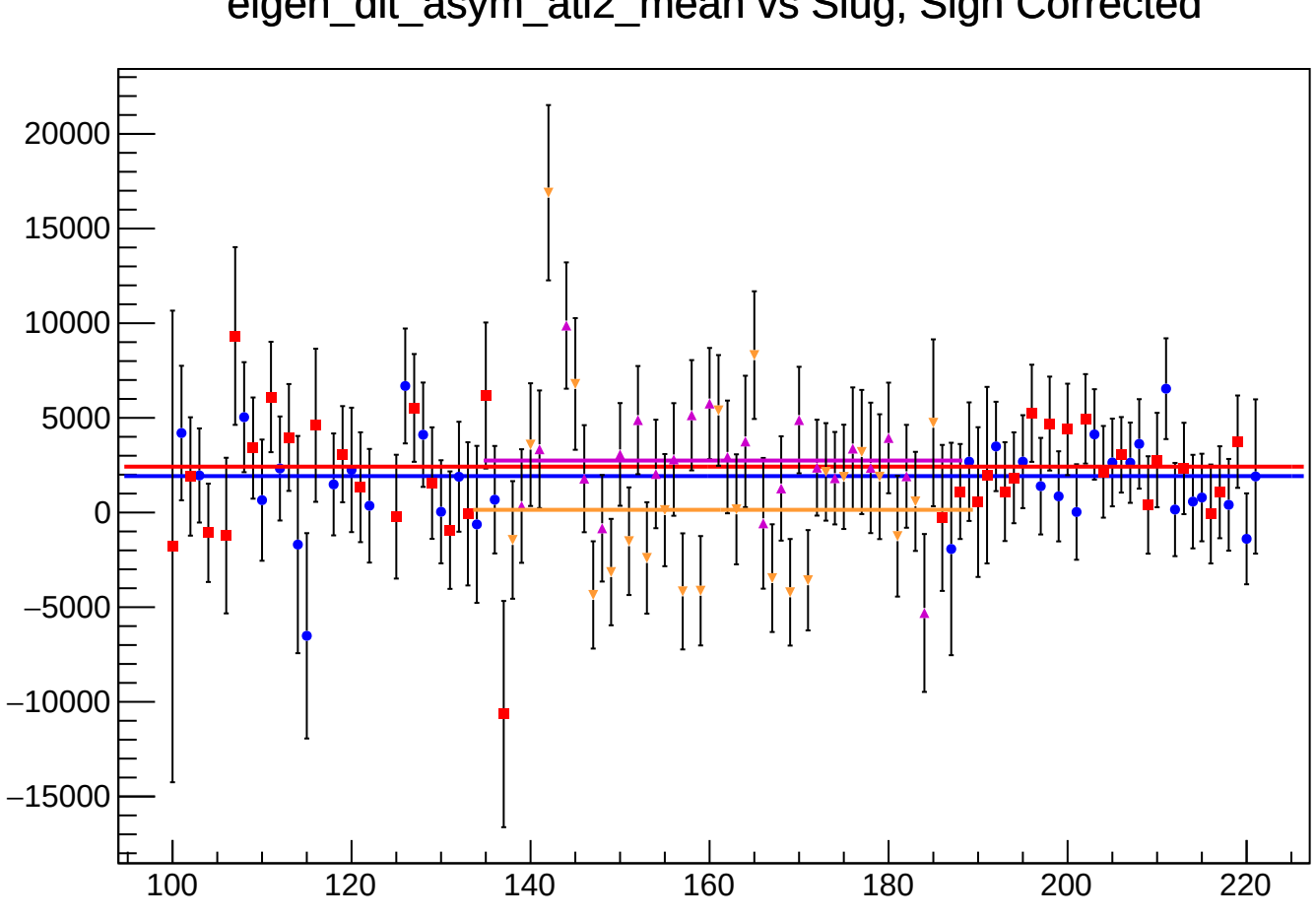
Right: -1845.738+/-704.907 χ^2/NDF: 104.0/69

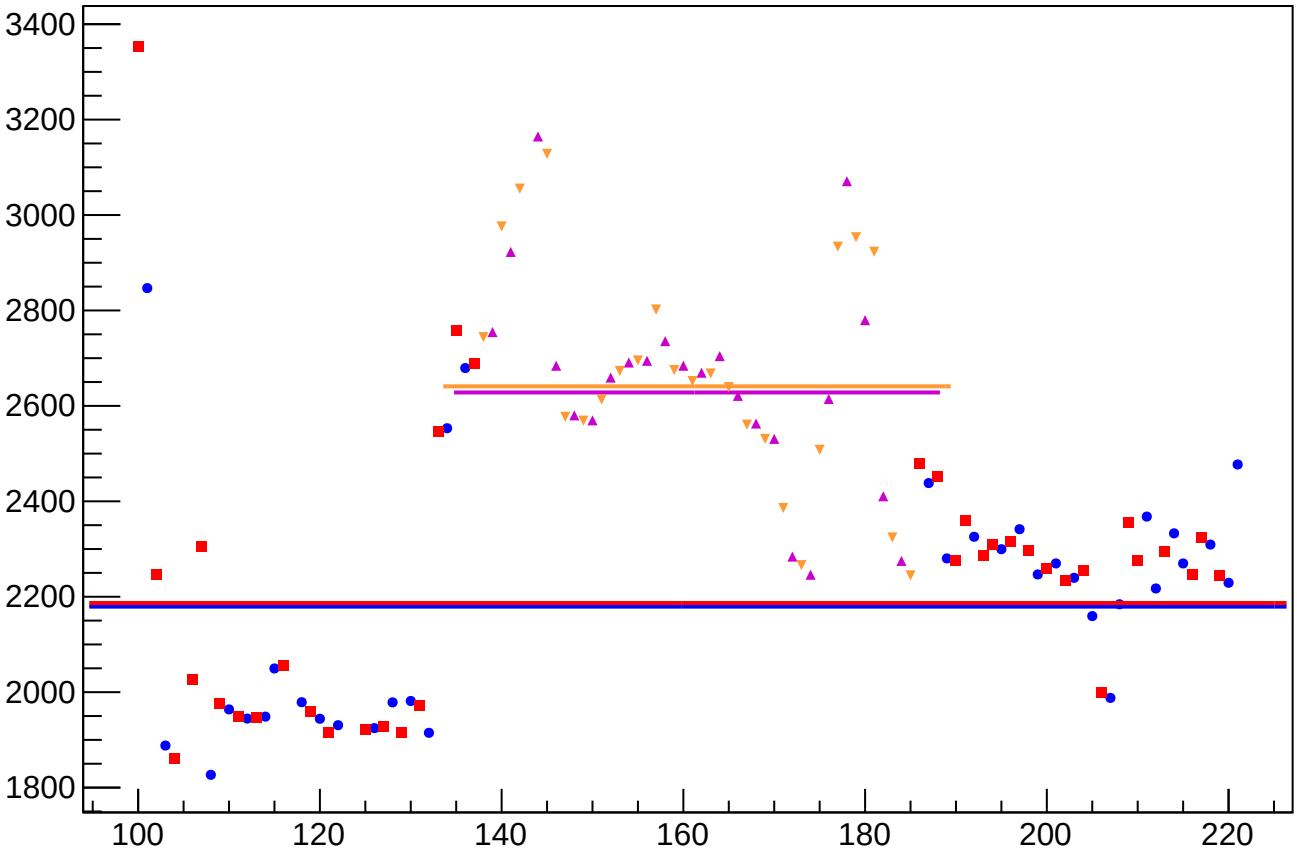
In: -2250.829+/-740.368 χ^2/NDF:54.4/56

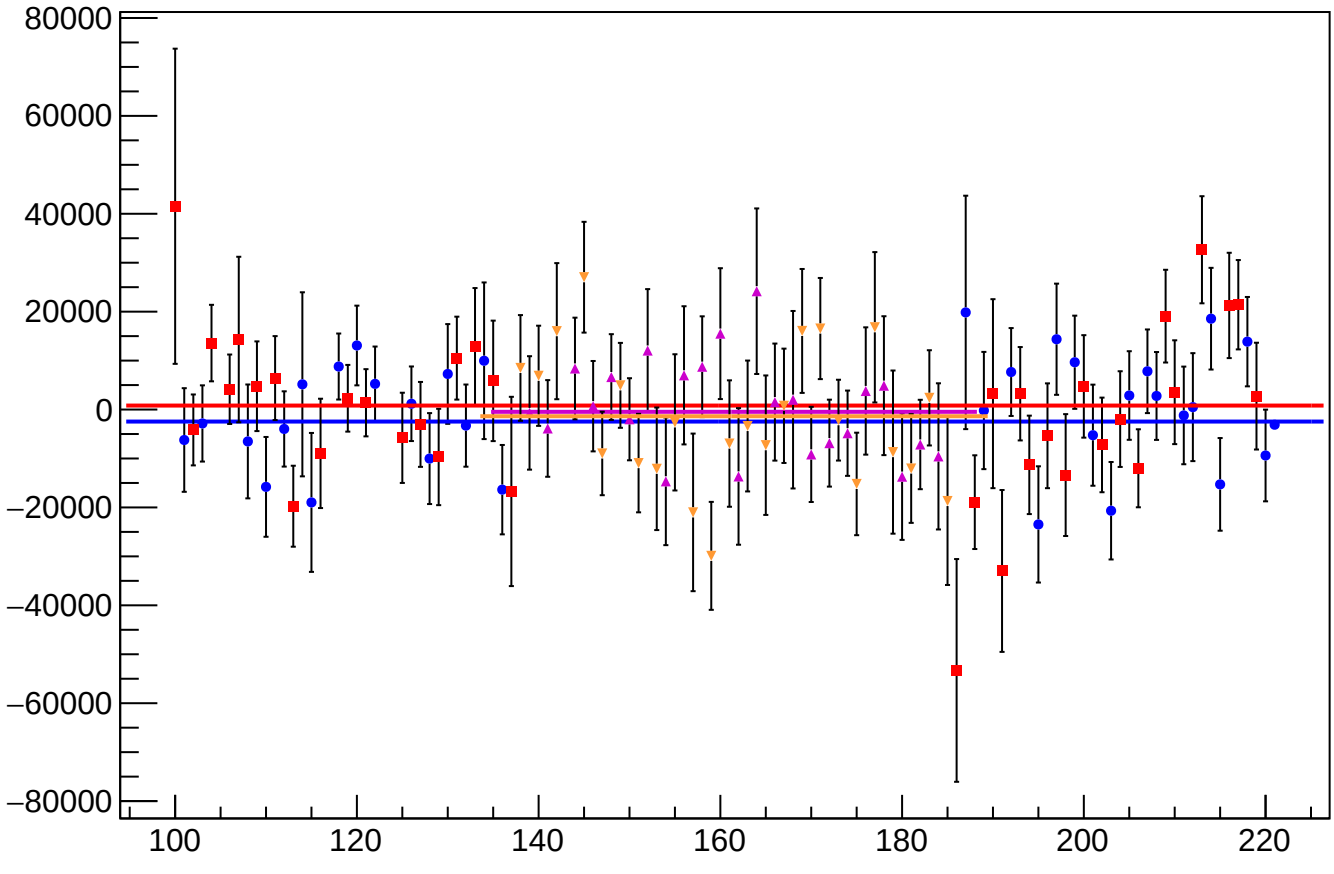
Out: 93.926+/-1336.744 χ^2/NDF:91.9/59

All: -1700.402+/-647.664 χ^2/NDF: 148.7/116


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
220
Right In: 2201.572+/-0.553 χ²/NDF: 27438678.0/33
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 7240.136+/-1.155 χ²/NDF: 3243484.9/35
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 3140.047+/-0.498 χ²/NDF: 46169714.8/69
In: 2967.652+/-0.524 χ²/NDF:47601896.3/56
Out: 8082.823+/-0.945 χ²/NDF:6074849.4/59
All: 4168.430+/-0.458 χ²/NDF: 76087587.4/


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1923.229+/-473.425 χ²/NDF: 18.8/33
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2423.236+/-477.197 χ²/NDF: 24.1/35
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2171.249+/-336.087 χ²/NDF: 43.5/69
In: 2228.665+/-375.400 χ²/NDF:35.4/56
Out: 1567.388+/-377.182 χ²/NDF:78.5/59
All: 1899.593+/-266.076 χ²/NDF: 115.4/116


eigen_dit_asym_atl2_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
120
140
160
180
200
220
Right In: 2179.316+/-0.335 χ²/NDF: 408086.3/33
Left Out: 2640.993+/-0.435 χ²/NDF:253411.8/23
Right Out: 2186.873+/-0.337 χ²/NDF: 362795.2/35
Left In: 2628.116+/-0.436 χ²/NDF:237516.8/22
Left: 2634.558+/-0.308 χ²/NDF: 491365.7/46
Right: 2183.067+/-0.238 χ²/NDF: 771134.4/69
In: 2345.927+/-0.265 χ²/NDF:1312849.1/56
Out: 2357.157+/-0.267 χ²/NDF:1296167.9/59
All: 2351.518+/-0.188 χ²/NDF: 2609907.9/11



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: 814.044+/-1633.327 χ^2/NDF: 60.1/35

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

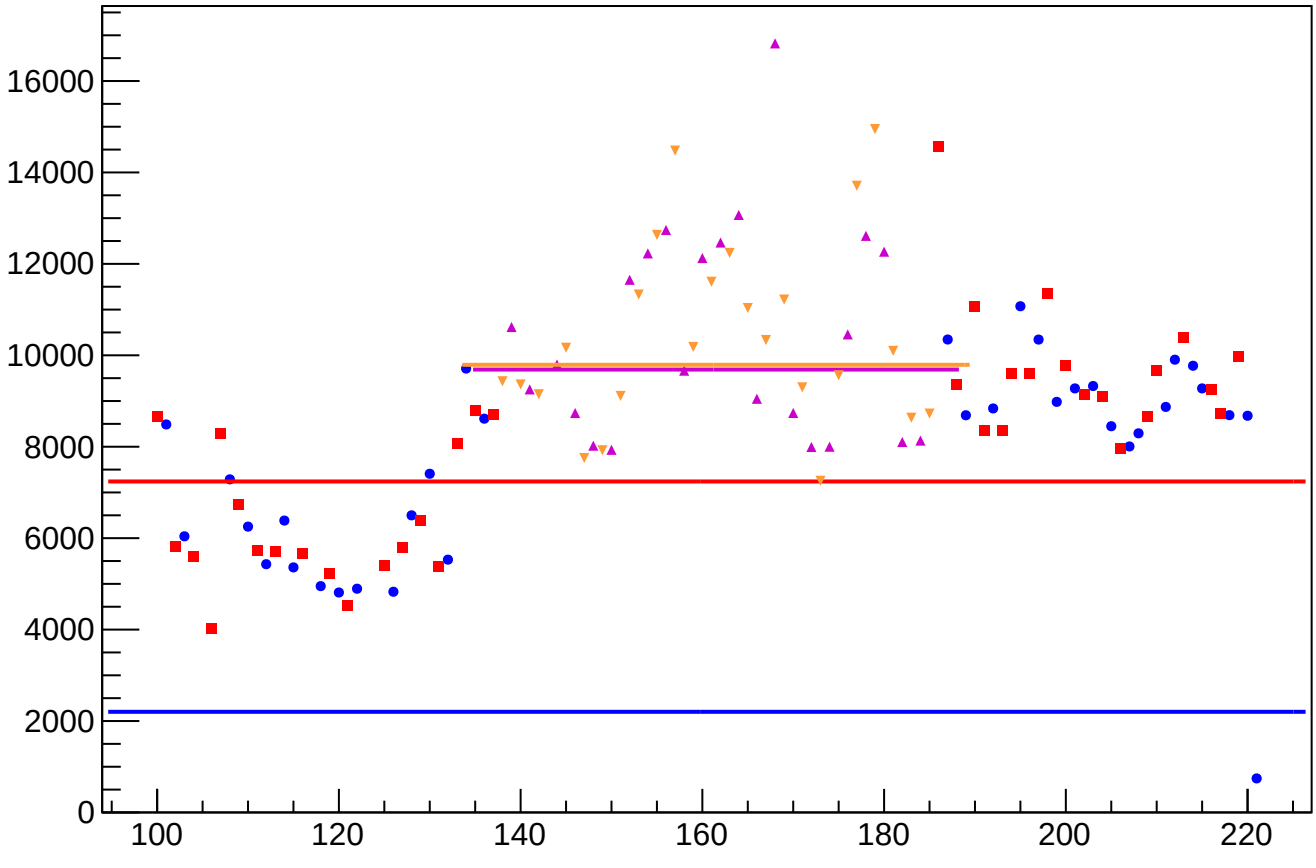
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1845.732+/-704.908 χ^2/NDF: 104.0/69

In: -2250.828+/-740.369 χ^2/NDF:54.4/56

Out: 93.929+/-1336.744 χ^2/NDF:91.9/59

All: -1700.398+/-647.665 χ^2/NDF: 148.7/116



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: 7240.125+/-1.155 χ^2/NDF: 3243529.0/35

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

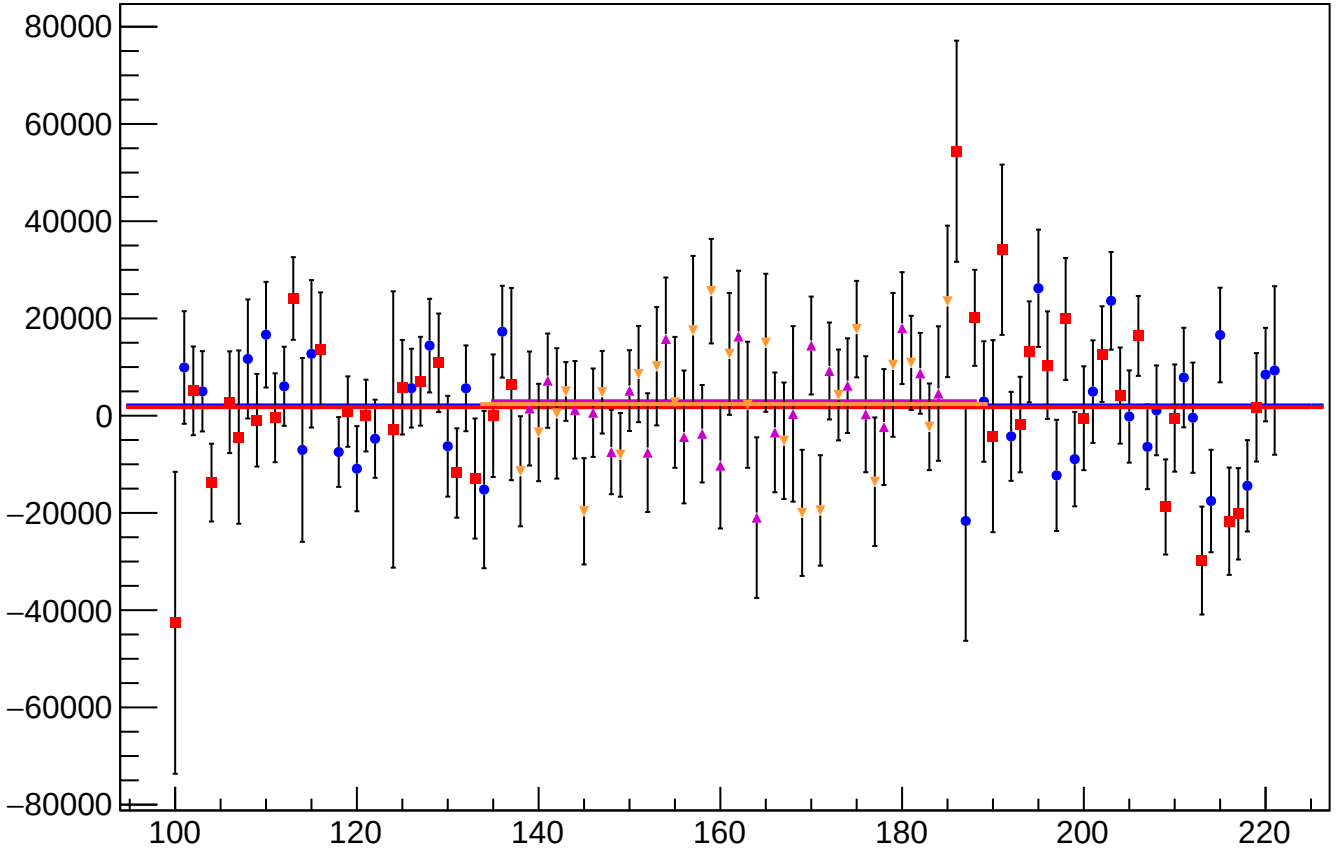
Right: 3140.056+/-0.498 χ^2/NDF: 46169614.9/69

In: 2967.661+/-0.524 χ^2/NDF:47601834.3/56

Out: 8082.818+/-0.945 χ^2/NDF:6074926.6/59

All: 4168.440+/-0.458 χ^2/NDF: 76087455.9/1

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: 1766.241+/-1730.560 χ^2/NDF: 62.6/36

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

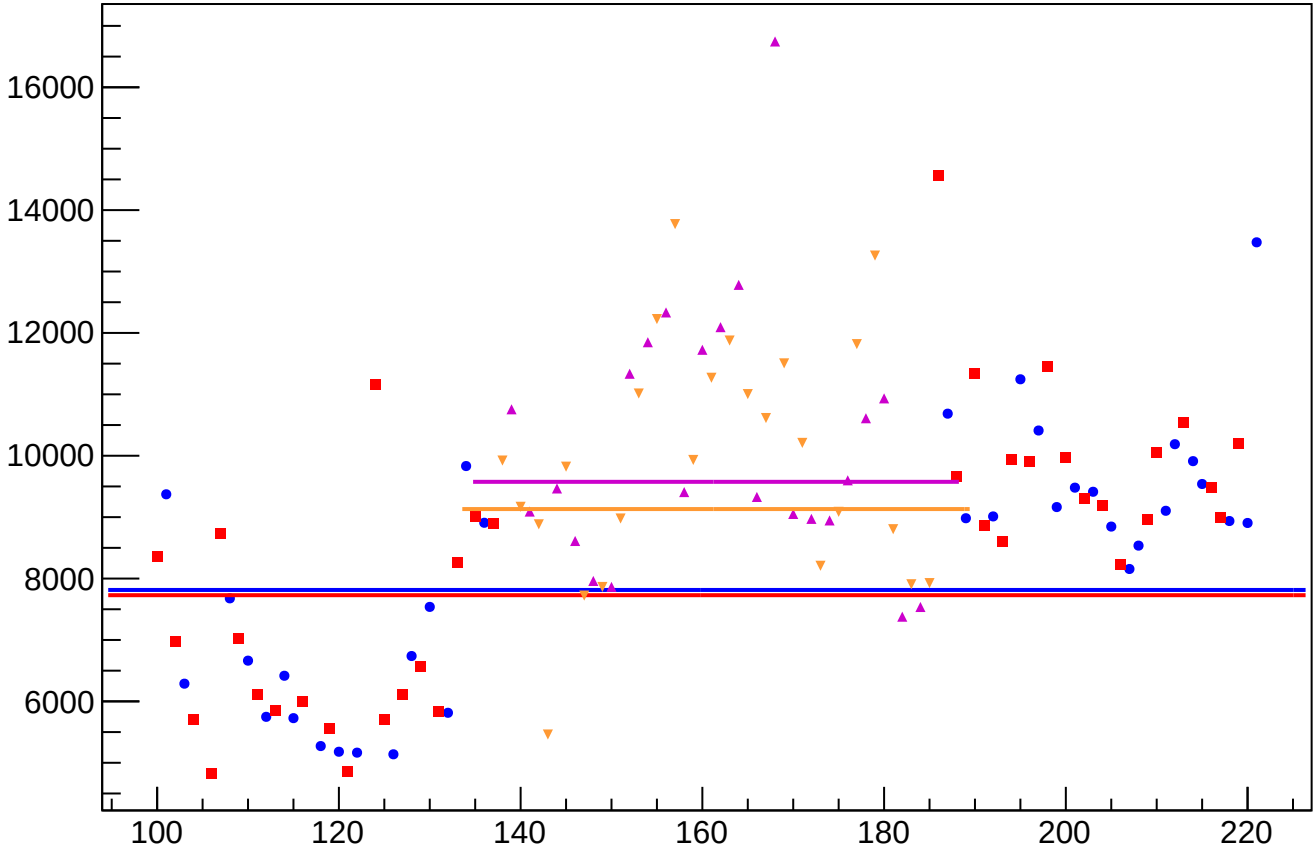
Right: 1934.940+/-1224.371 χ^2/NDF: 101.3/70

In: 2418.822+/-1379.193 χ^2/NDF:51.8/56

Out: 2012.503+/-1344.765 χ^2/NDF:92.4/61

All: 2210.528+/-962.834 χ^2/NDF: 144.2/118

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7814.362+/-1.225 χ^2/NDF: 2411557.1/33

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7729.124+/-1.224 χ^2/NDF: 2638559.5/36

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

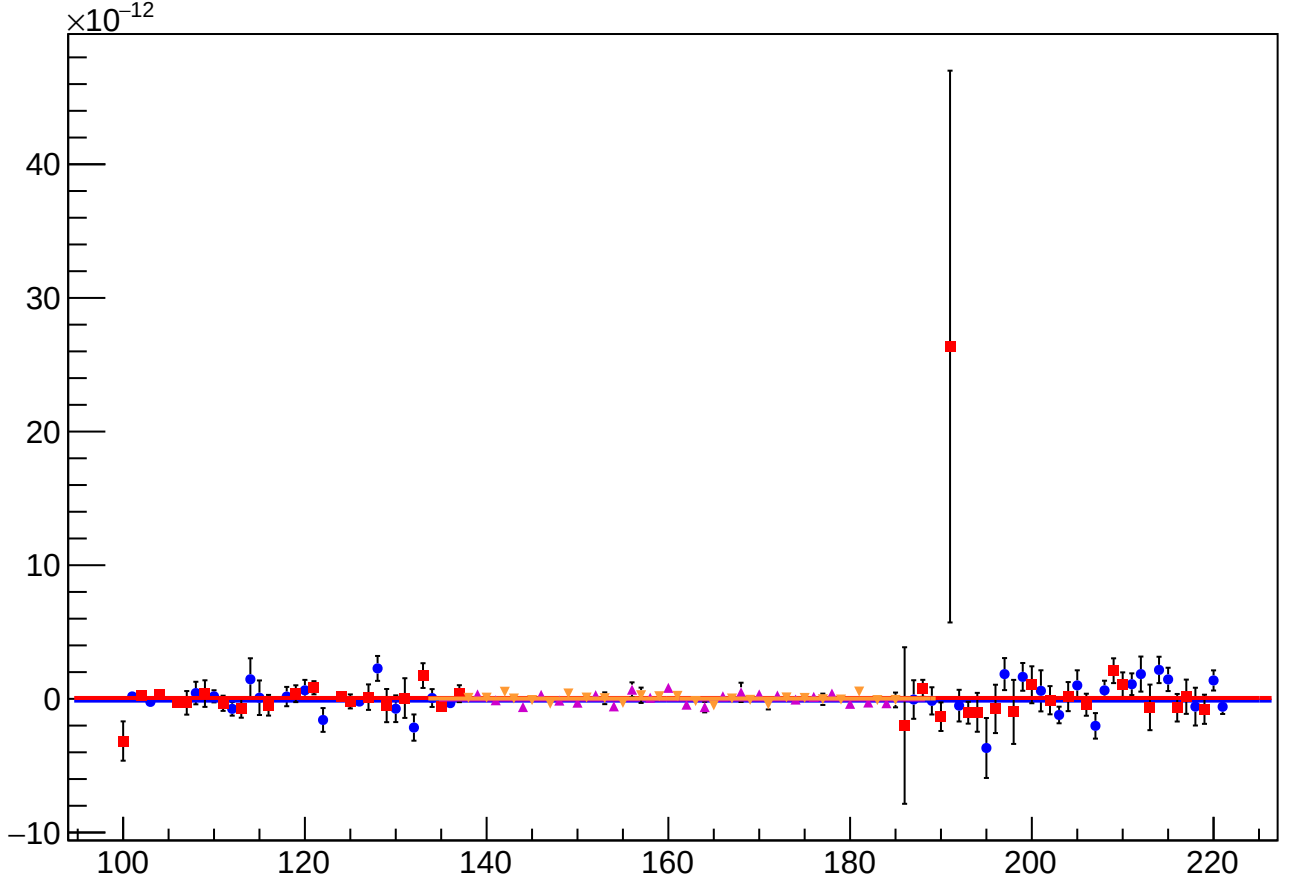
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7771.696+/-0.866 χ^2/NDF: 5052540.0/70

In: 8459.284+/-0.975 χ^2/NDF:4322089.7/56

Out: 8284.778+/-0.951 χ^2/NDF:4970687.8/61

All: 8369.827+/-0.681 χ^2/NDF: 9309191.5/11



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: 36.6/36

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

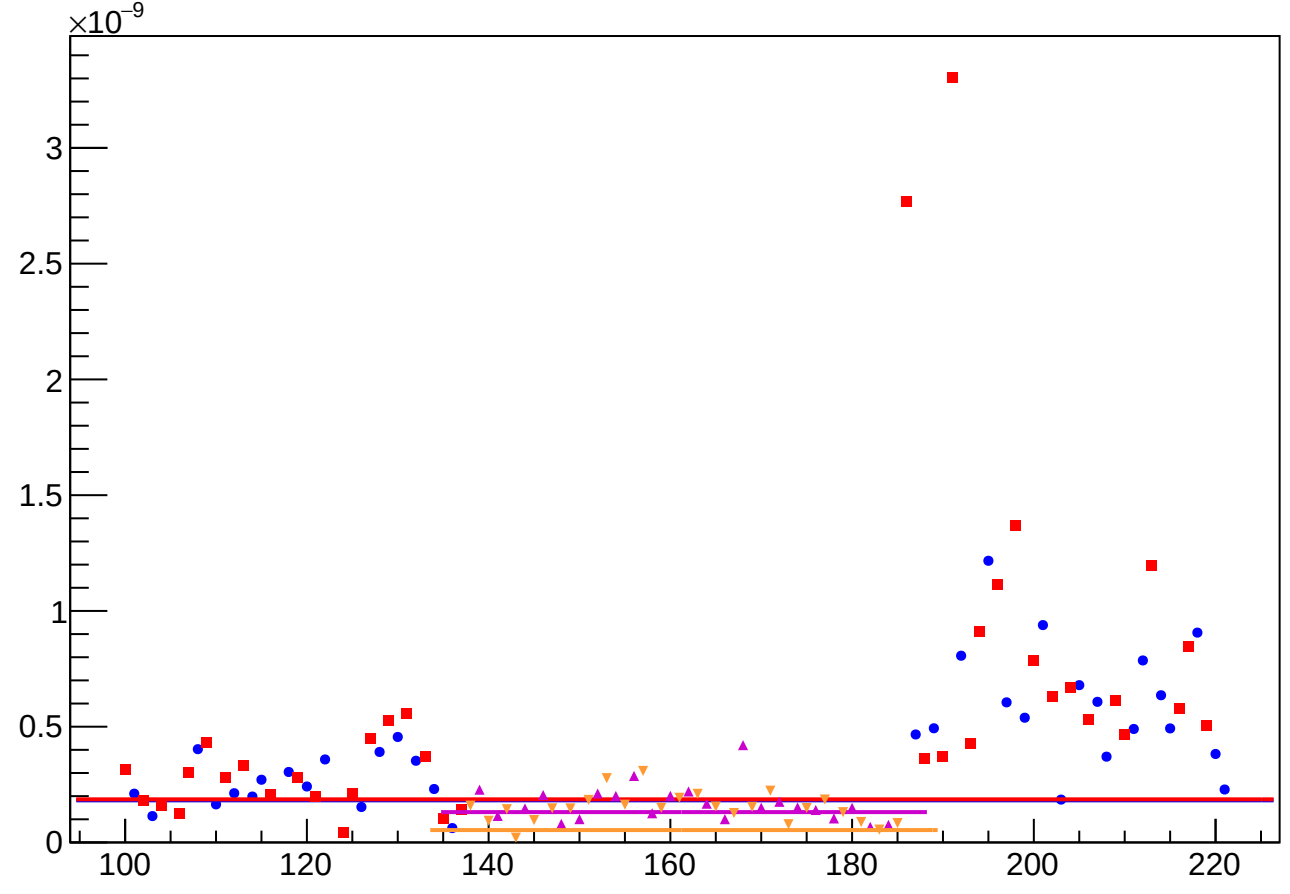
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 96.4/70

In: -0.000+/-0.000 χ^2/NDF:94.7/56

Out: 0.000+/-0.000 χ^2/NDF:54.7/61

All: 0.000+/-0.000 χ^2/NDF: 152.9/118



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: 9010674.6/36

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

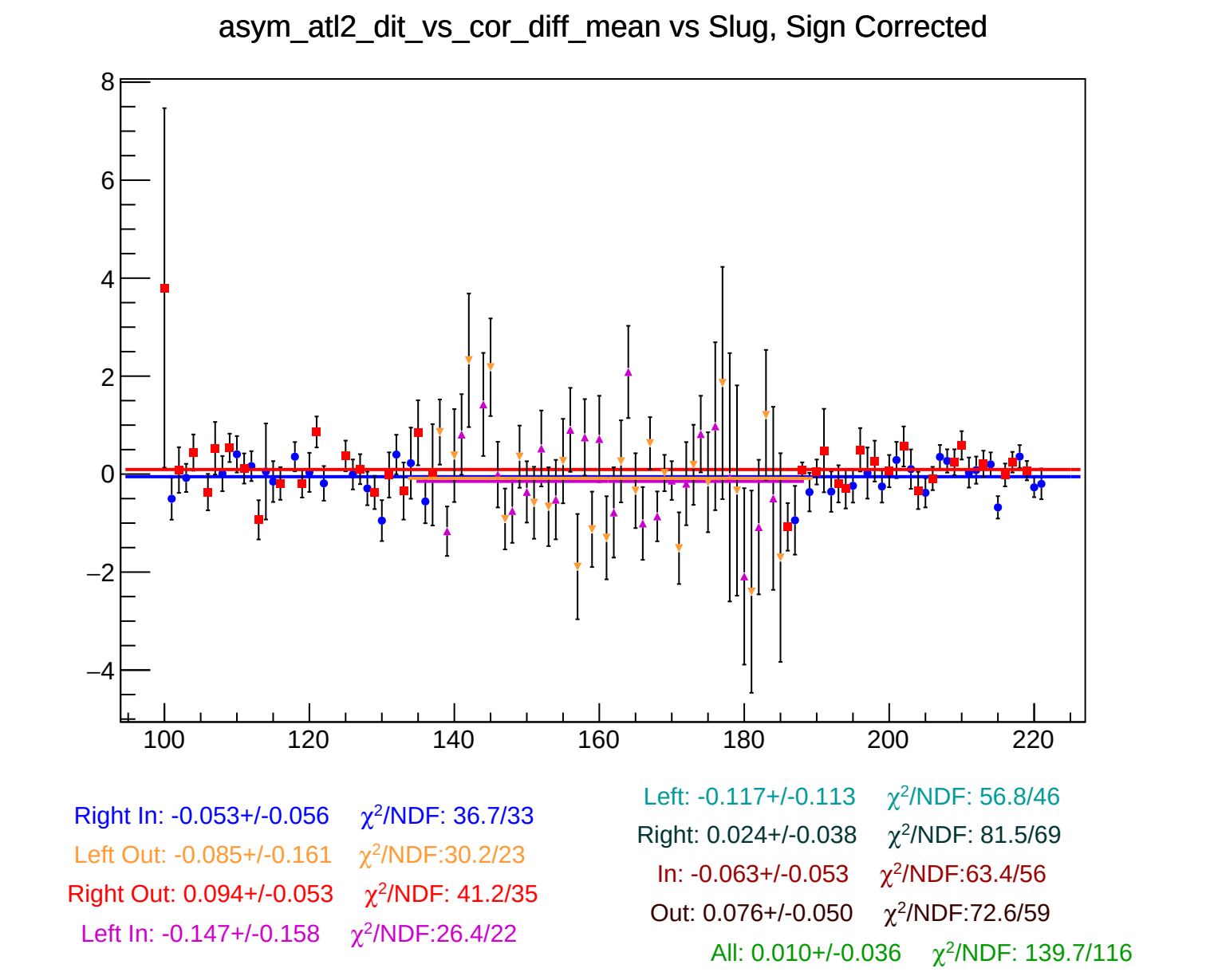
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16555319.6/70

In: 0.000+/-0.000 χ^2/NDF:9932509.6/56

Out: 0.000+/-0.000 χ^2/NDF:20191771.3/61

All: 0.000+/-0.000 χ^2/NDF: 34362635.9/118


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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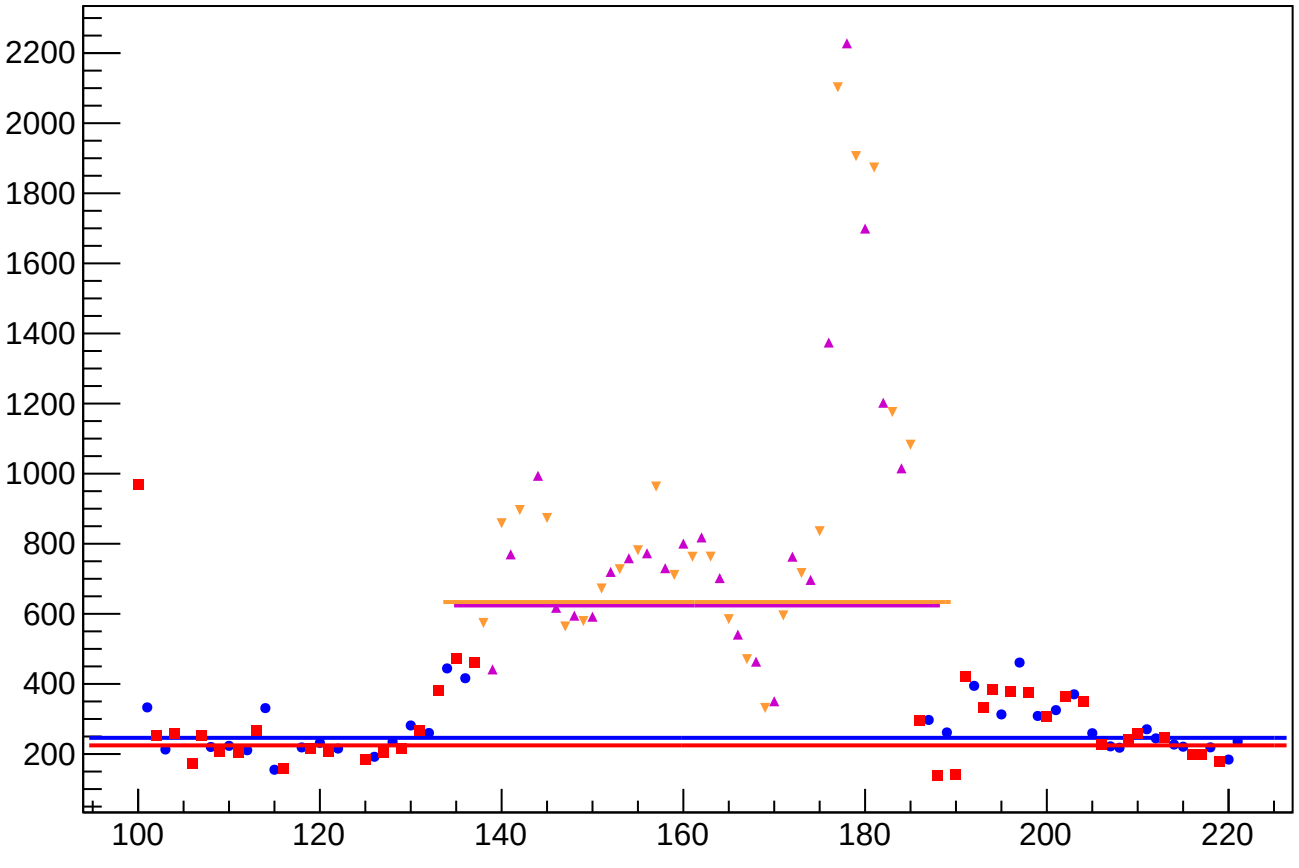
Right In: -0.053+/-0.056 χ²/NDF: 36.7/33
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.024+/-0.038 χ²/NDF: 81.5/69
In: -0.063+/-0.053 χ²/NDF:63.4/56
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.010+/-0.036 χ²/NDF: 139.7/116



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: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

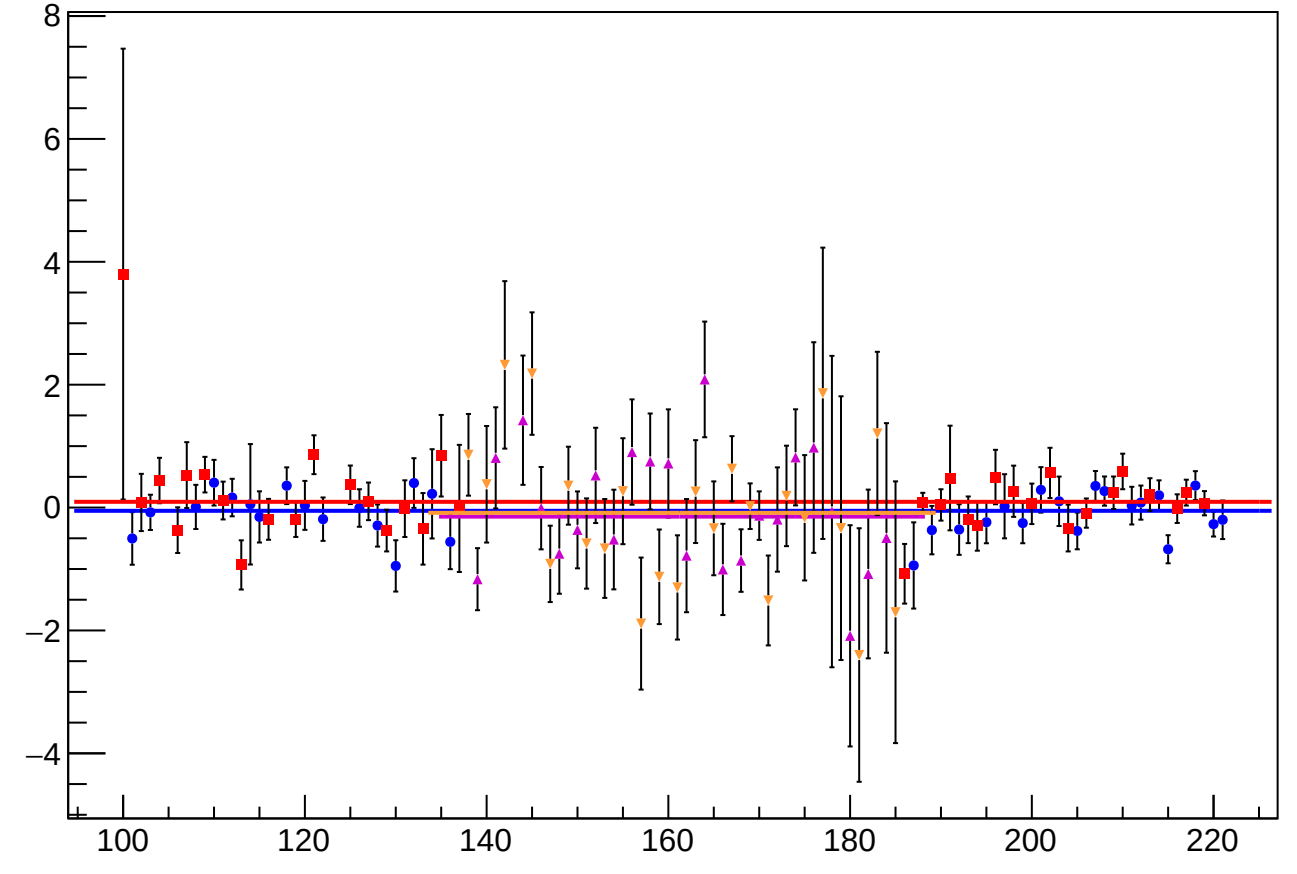
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 234.831+/-0.027 χ^2/NDF: 5972361.3/69

In: 287.953+/-0.037 χ^2/NDF:16865950.4/56

Out: 264.219+/-0.035 χ^2/NDF:20222264.4/59

All: 275.530+/-0.026 χ^2/NDF: 37301230.4/11



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: 0.094+/-0.053 χ^2/NDF: 41.2/35

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

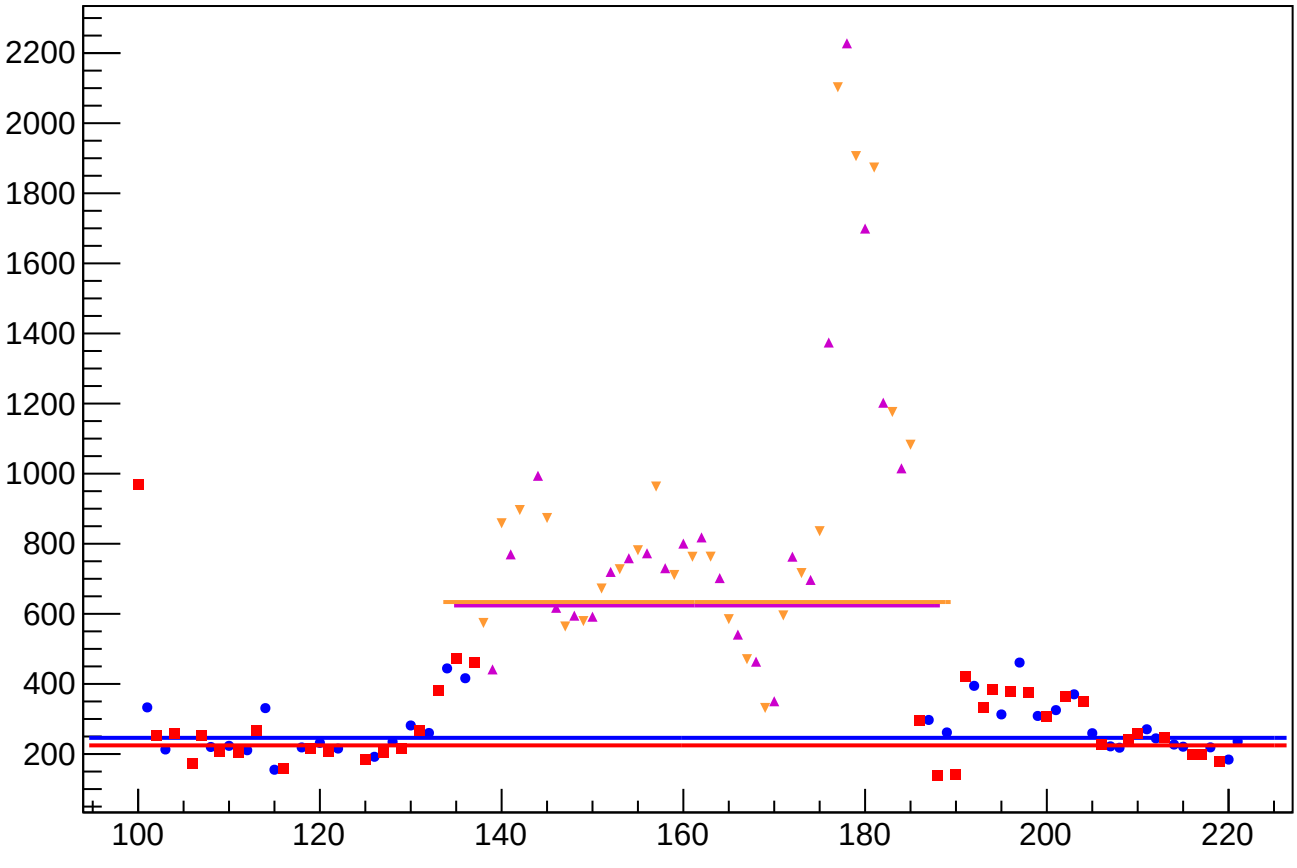
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.024+/-0.038 χ^2/NDF: 81.5/69

In: -0.063+/-0.053 χ^2/NDF:63.4/56

Out: 0.076+/-0.050 χ^2/NDF:72.6/59

All: 0.010+/-0.036 χ^2/NDF: 139.7/116



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: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

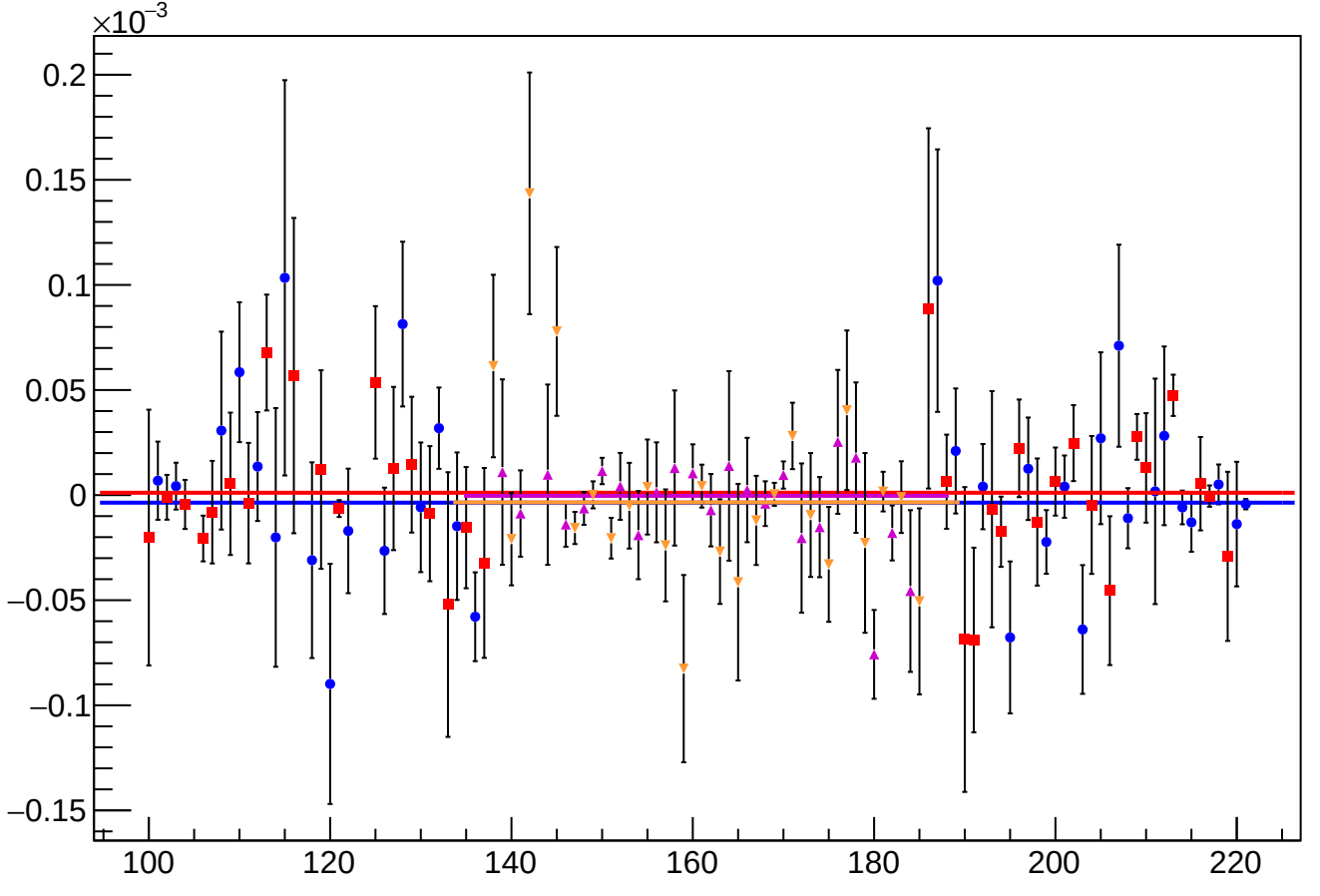
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 234.831+/-0.027 χ^2/NDF: 5972361.3/69

In: 287.953+/-0.037 χ^2/NDF:16865950.4/56

Out: 264.219+/-0.035 χ^2/NDF:20222264.4/59

All: 275.530+/-0.026 χ^2/NDF: 37301230.4/11



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: 58.2/35

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

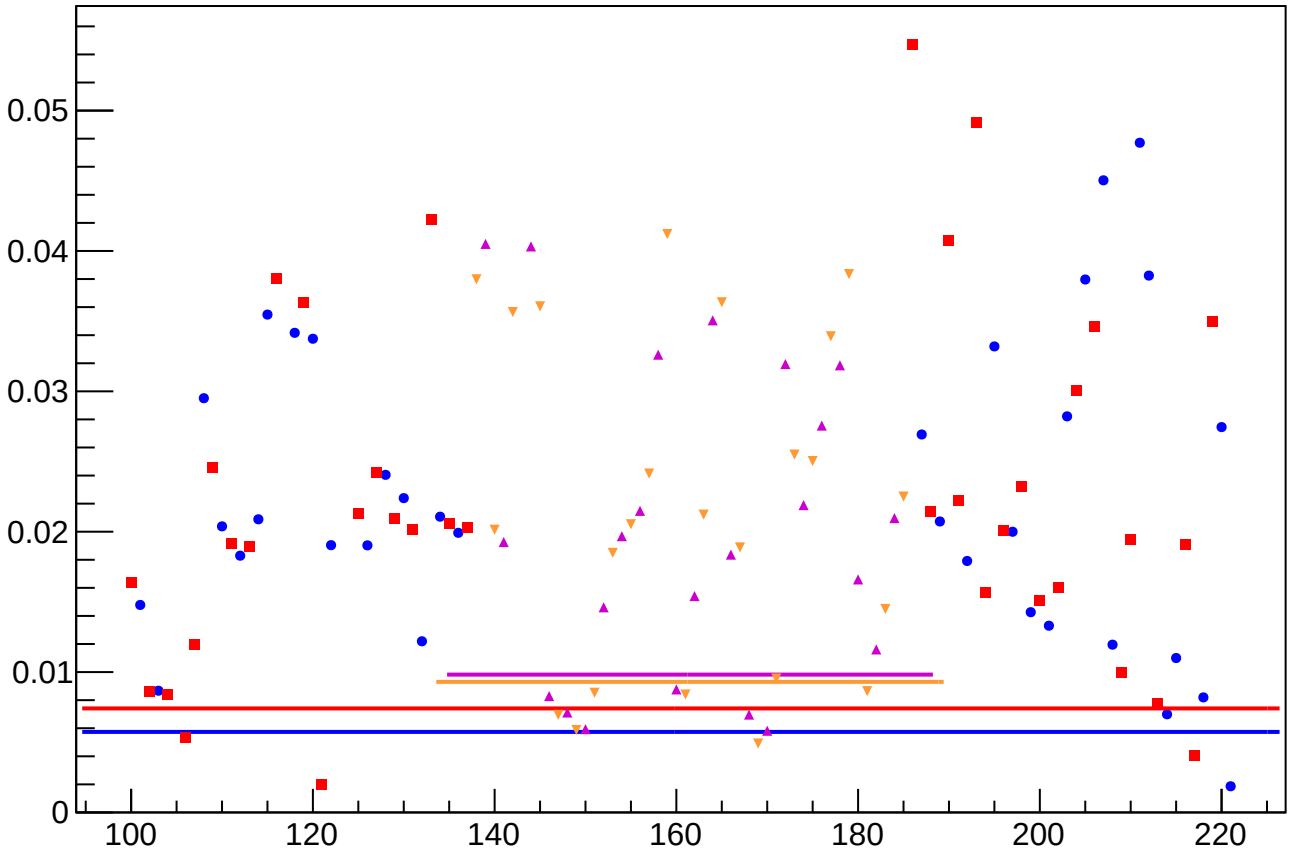
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 103.6/69

In: -0.000+/-0.000 χ^2/NDF:71.9/56

Out: -0.000+/-0.000 χ^2/NDF:94.0/59

All: -0.000+/-0.000 χ^2/NDF: 166.4/116



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: 0.007+/-0.000 χ^2/NDF: 19365830.7/35

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

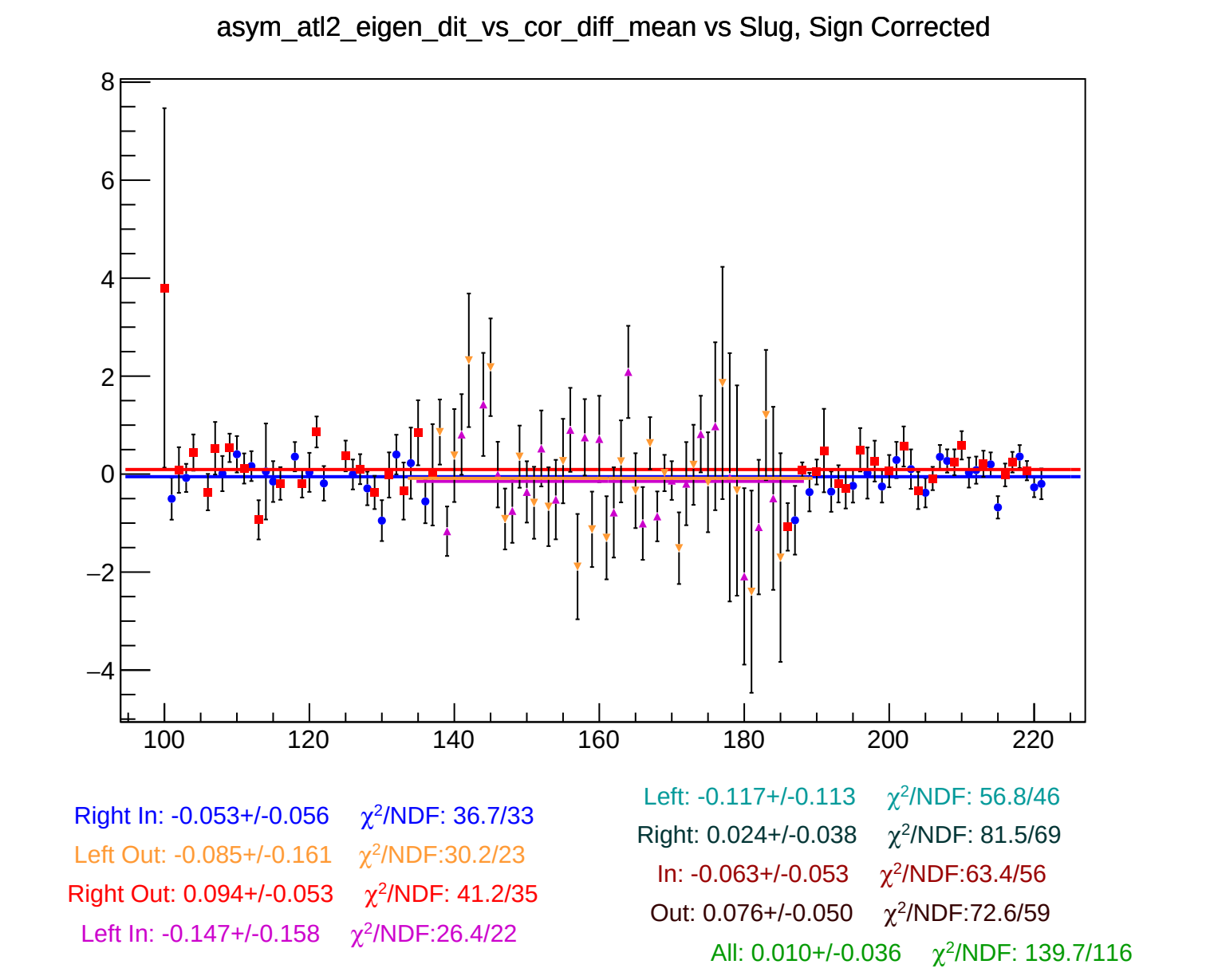
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.006+/-0.000 χ^2/NDF: 44108301.9/69

In: 0.007+/-0.000 χ^2/NDF:37143554.4/56

Out: 0.008+/-0.000 χ^2/NDF:32133097.0/59

All: 0.008+/-0.000 χ^2/NDF: 69709747.6/116


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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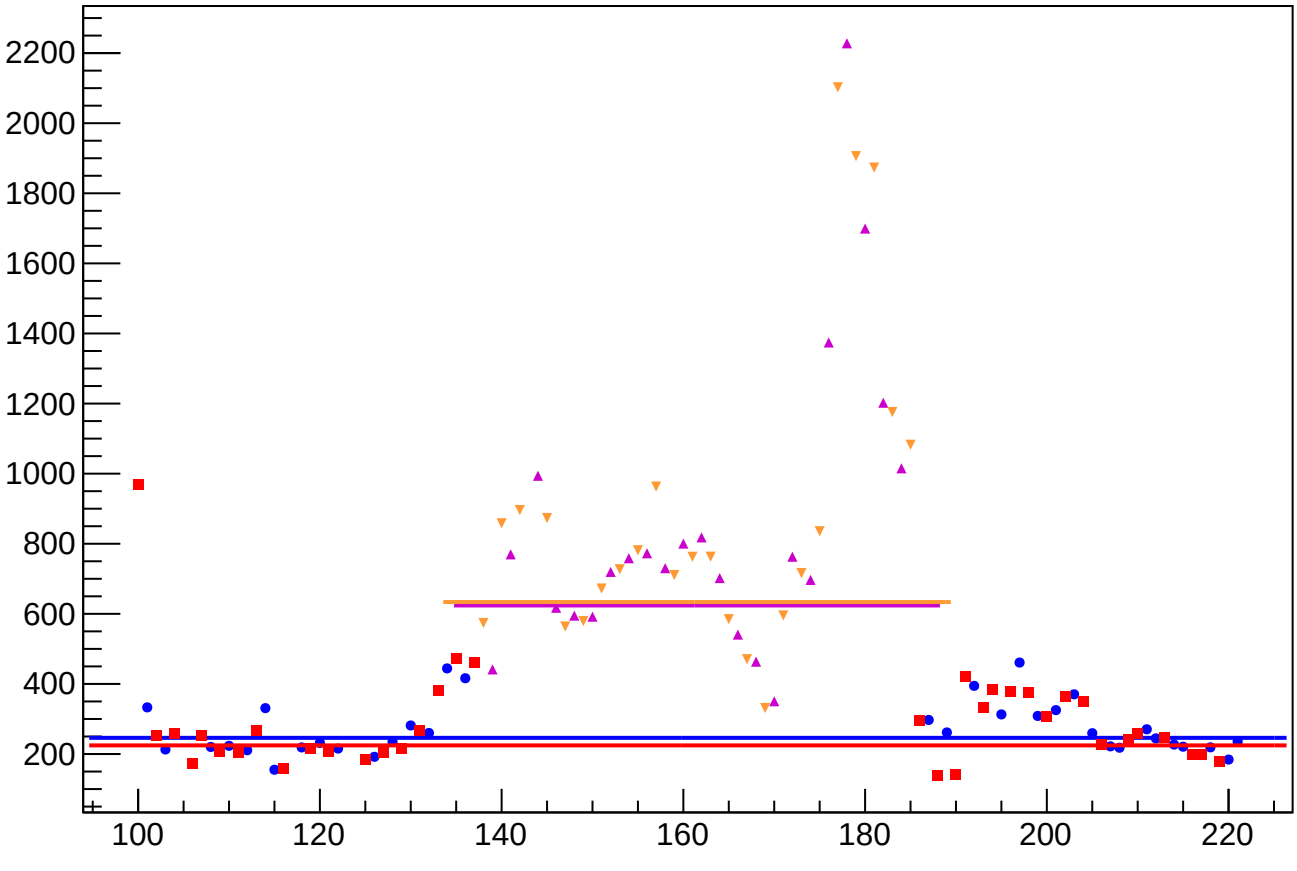
Right In: -0.053+/-0.056 χ²/NDF: 36.7/33
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.024+/-0.038 χ²/NDF: 81.5/69
In: -0.063+/-0.053 χ²/NDF:63.4/56
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.010+/-0.036 χ²/NDF: 139.7/116



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: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

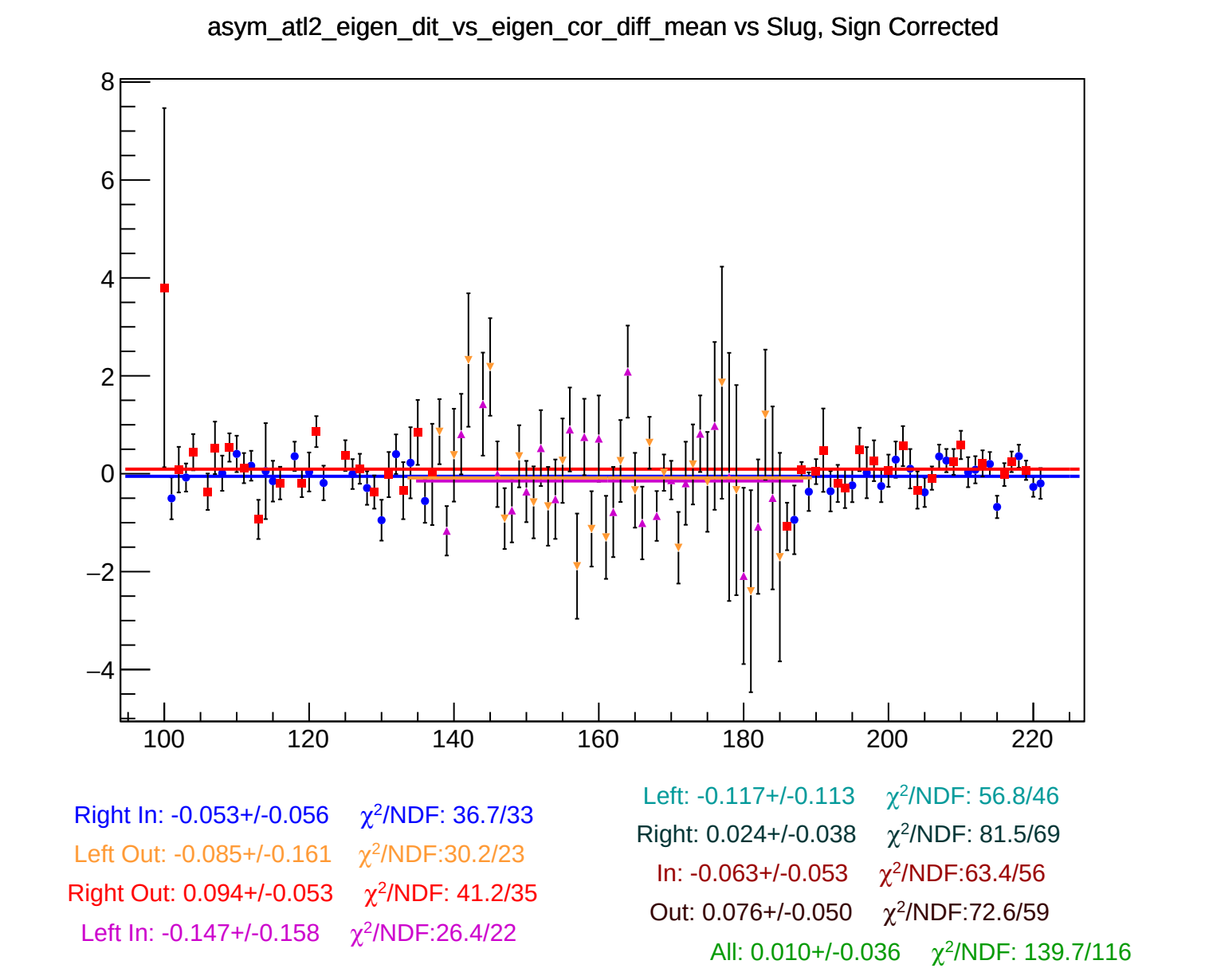
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 234.831+/-0.027 χ^2/NDF: 5972464.7/69

In: 287.954+/-0.037 χ^2/NDF:16865989.0/56

Out: 264.217+/-0.035 χ^2/NDF:20222578.8/59

All: 275.530+/-0.026 χ^2/NDF: 37301631.7/11


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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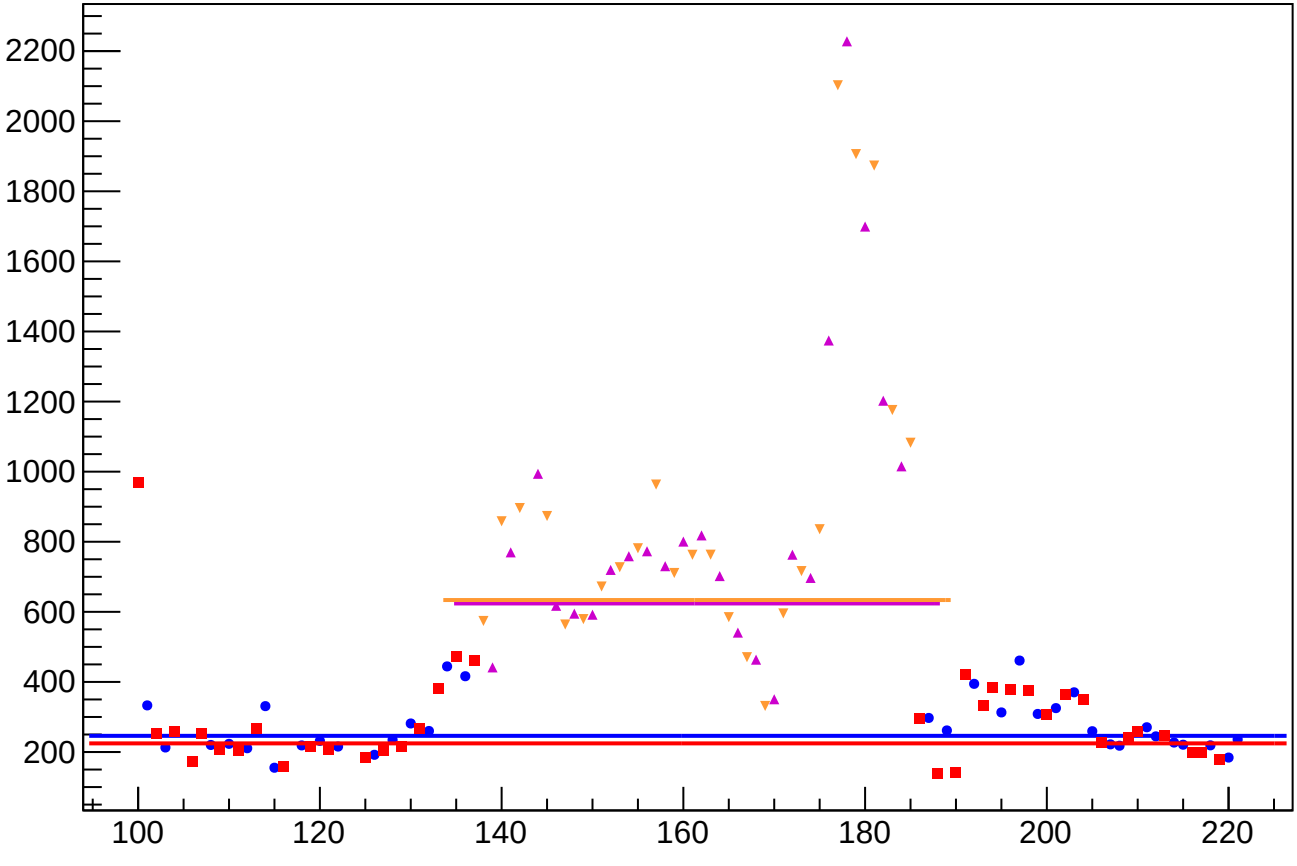
Right In: -0.053+/-0.056 χ²/NDF: 36.7/33
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.024+/-0.038 χ²/NDF: 81.5/69
In: -0.063+/-0.053 χ²/NDF:63.4/56
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.010+/-0.036 χ²/NDF: 139.7/116

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: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

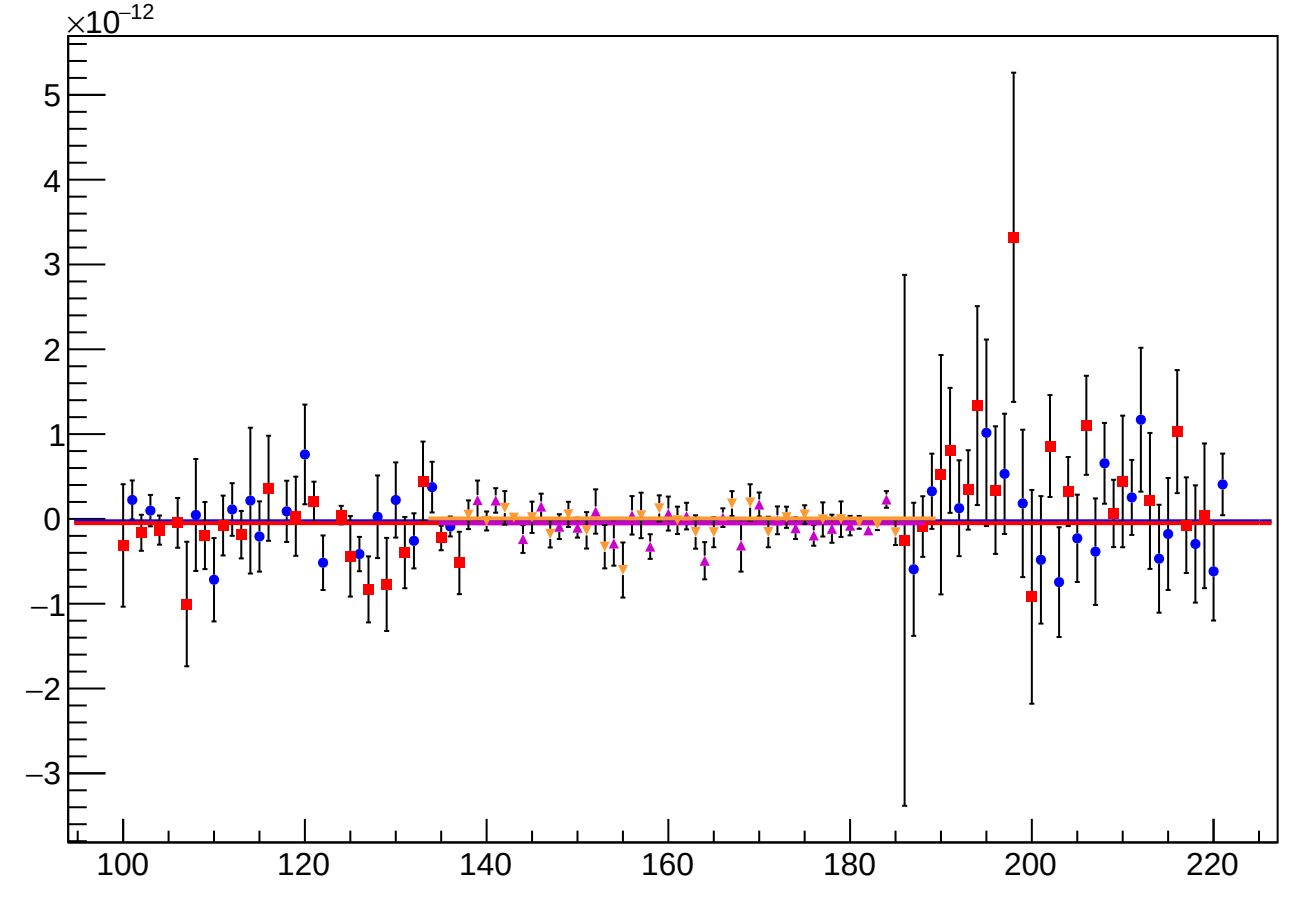
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 234.831+/-0.027 χ^2/NDF: 5972464.7/69

In: 287.954+/-0.037 χ^2/NDF:16865989.0/56

Out: 264.217+/-0.035 χ^2/NDF:20222578.8/59

All: 275.530+/-0.026 χ^2/NDF: 37301631.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/36

Left In: -0.000+/-0.000 χ^2/NDF:33.4/22

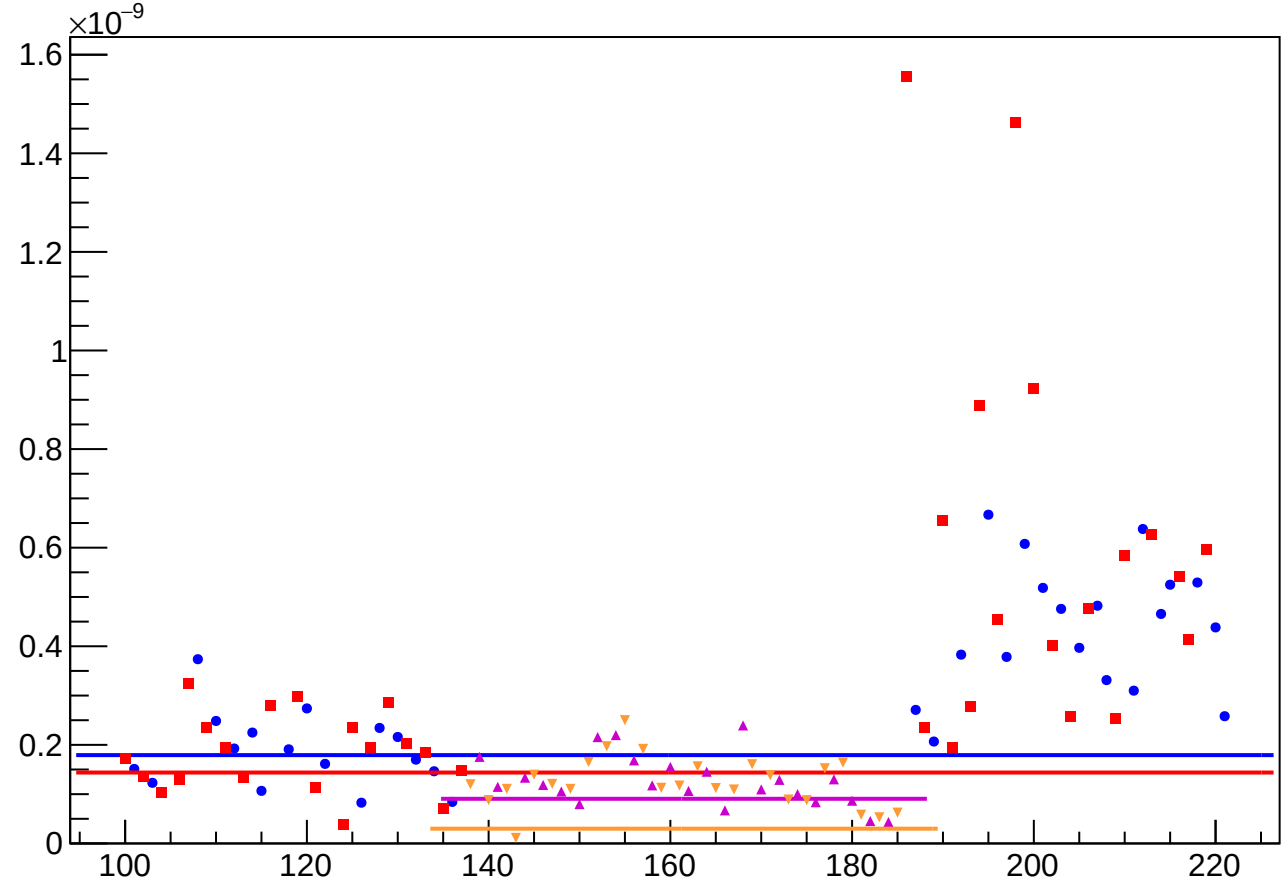
Left: -0.000+/-0.000 χ^2/NDF: 52.5/47

Right: -0.000+/-0.000 χ^2/NDF: 61.1/70

In: -0.000+/-0.000 χ^2/NDF:60.9/56

Out: 0.000+/-0.000 χ^2/NDF:50.4/61

All: -0.000+/-0.000 χ^2/NDF: 114.3/118



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: 11563535.1/36

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

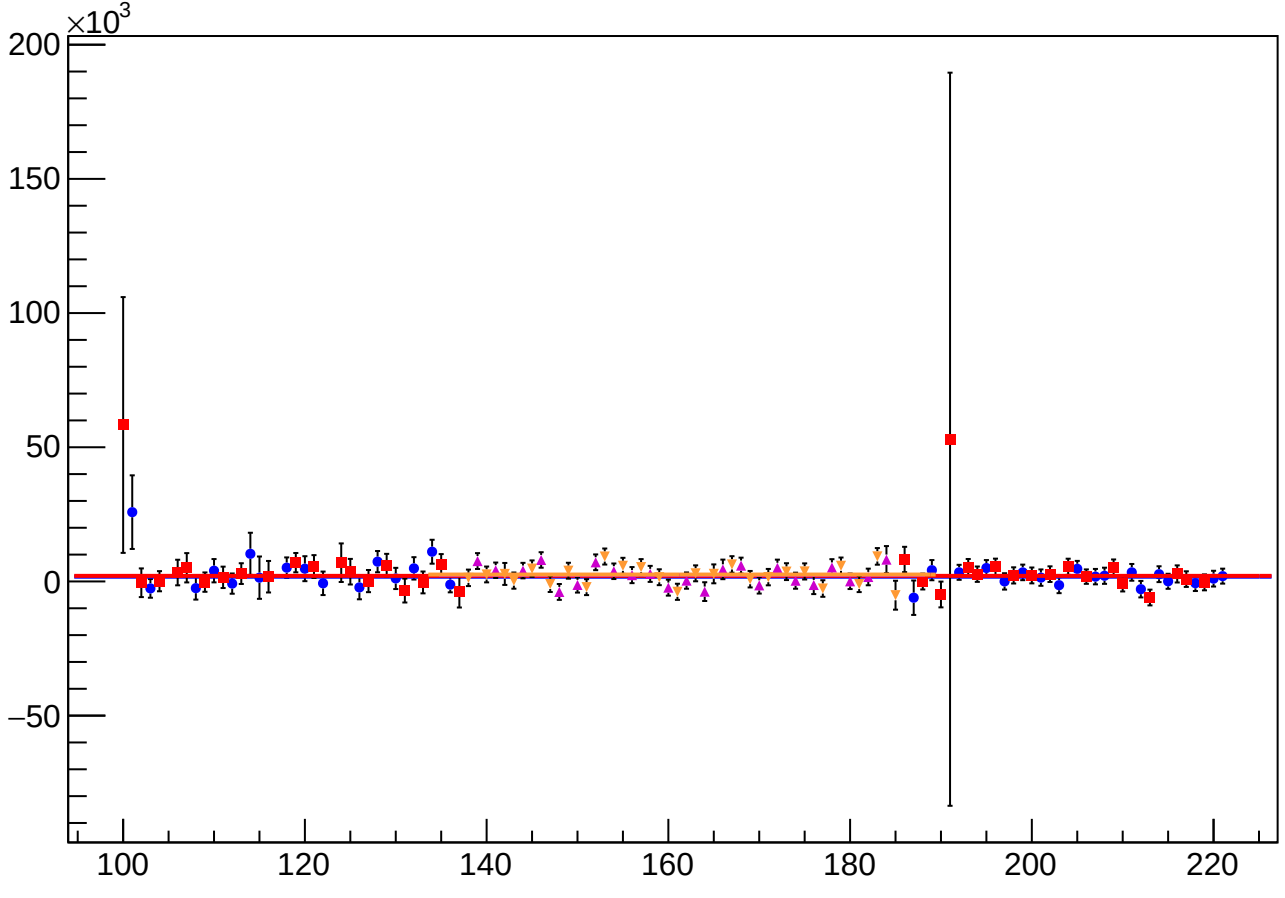
Right: 0.000+/-0.000 χ^2/NDF: 20234641.1/70

In: 0.000+/-0.000 χ^2/NDF:16540080.6/56

Out: 0.000+/-0.000 χ^2/NDF:36963515.3/61

All: 0.000+/-0.000 χ^2/NDF: 65317448.4/118

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: 2077.624+/-606.229 χ^2/NDF: 29.2/36

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

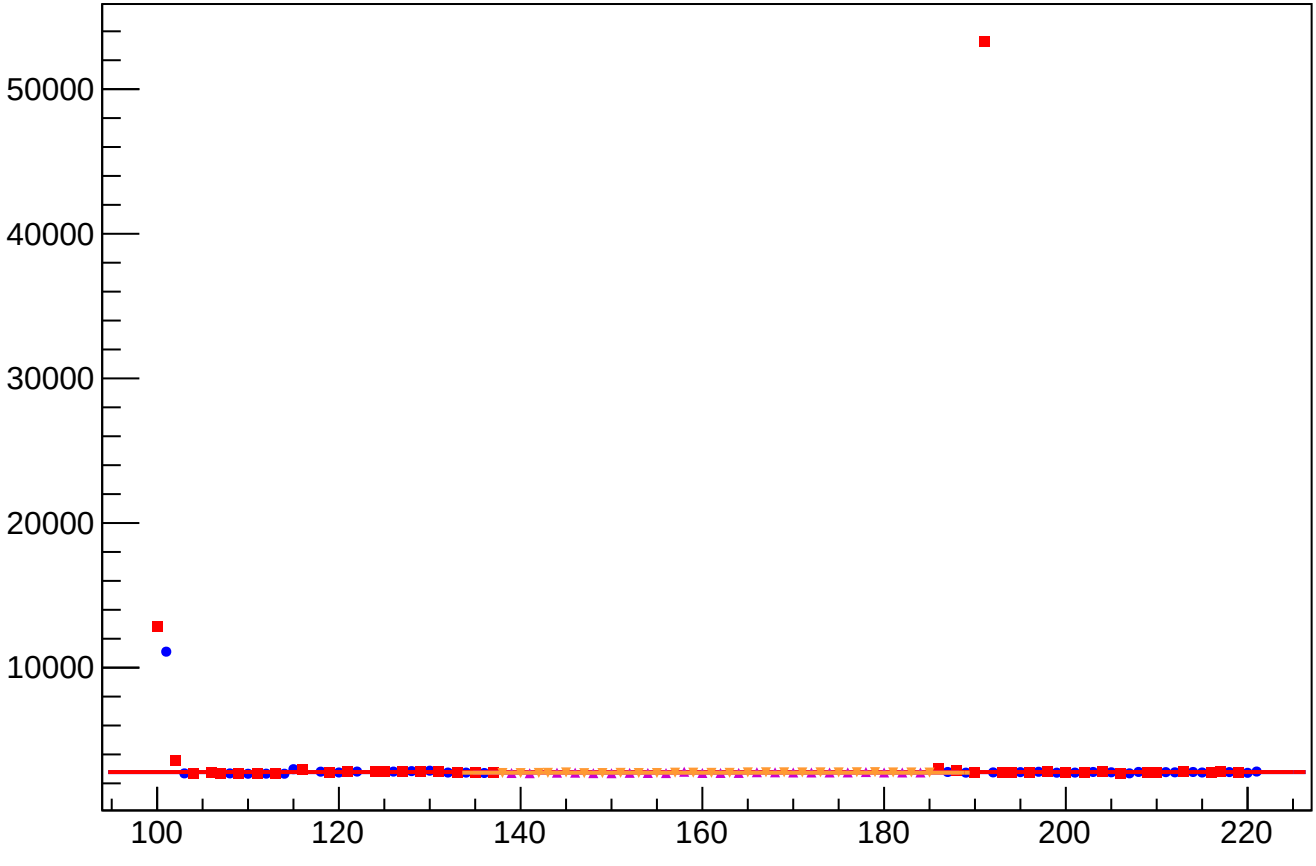
Right: 1920.521+/-424.981 χ^2/NDF: 57.2/70

In: 2065.874+/-436.048 χ^2/NDF:59.8/56

Out: 2311.139+/-434.079 χ^2/NDF:61.1/61

All: 2189.061+/-307.634 χ^2/NDF: 121.0/118

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: 2782.342+/-0.429 χ^2/NDF: 482469.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

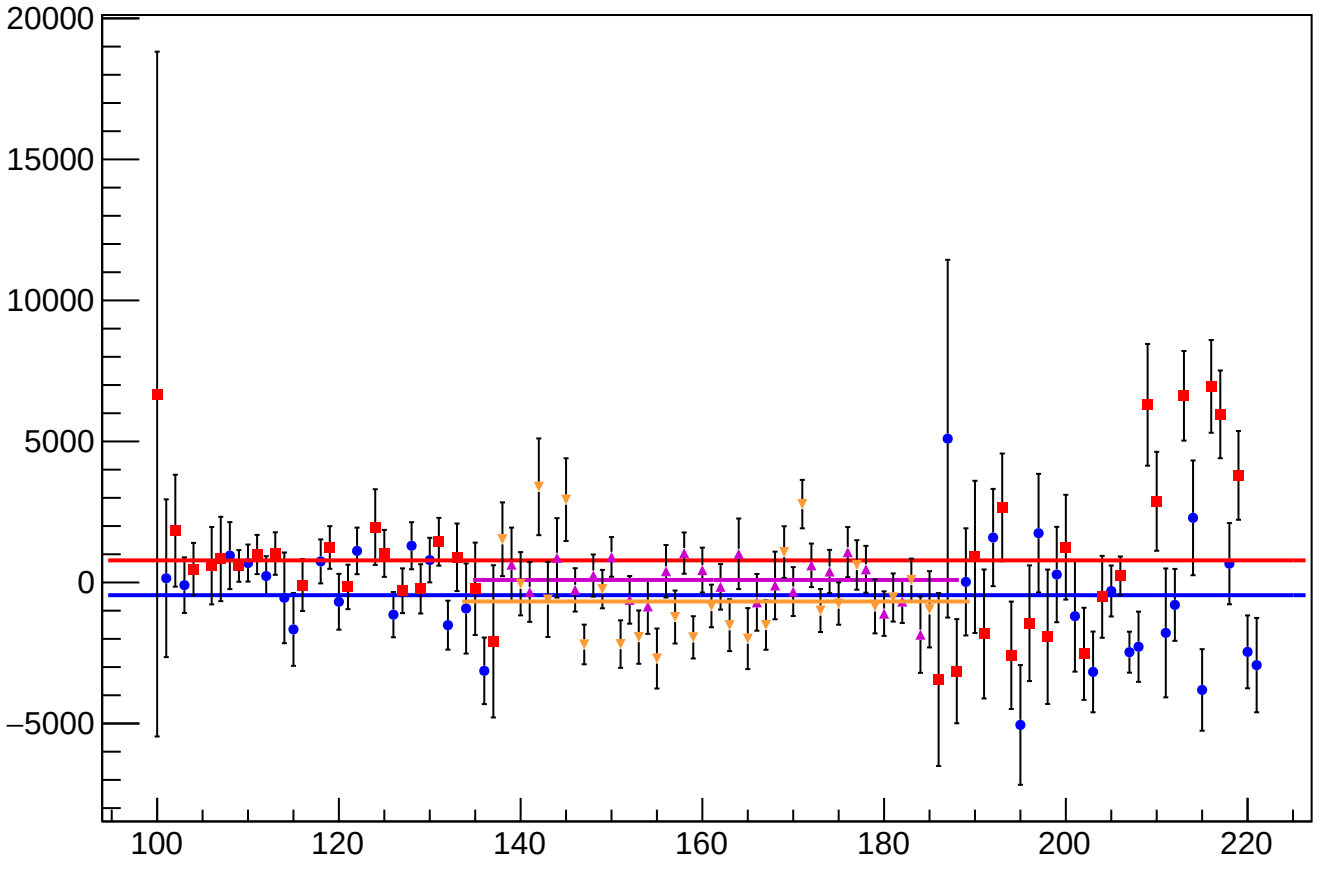
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2779.822+/-0.301 χ^2/NDF: 1234226.8/70

In: 2759.953+/-0.308 χ^2/NDF:758735.2/56

Out: 2760.500+/-0.307 χ^2/NDF:490115.3/61

All: 2760.228+/-0.218 χ^2/NDF: 1248852.1/11



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: 782.691+/-187.133 χ^2/NDF: 80.0/36

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

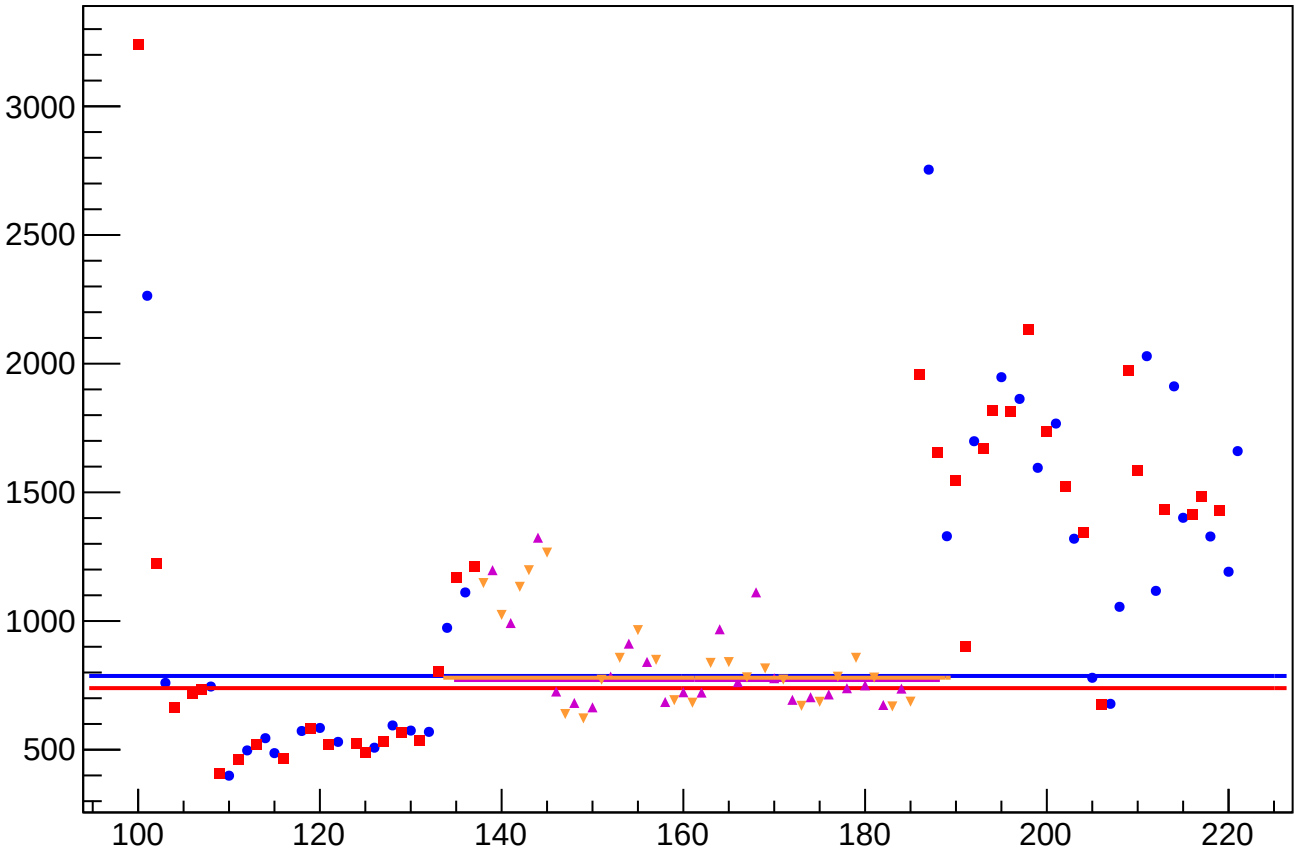
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 180.183+/-133.855 χ^2/NDF: 162.8/70

In: -169.166+/-132.503 χ^2/NDF:80.5/56

Out: 31.167+/-130.186 χ^2/NDF:169.6/61

All: -67.233+/-92.864 χ^2/NDF: 251.2/118



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: 739.289+/-0.132 χ^2/NDF: 10007208.0/36

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

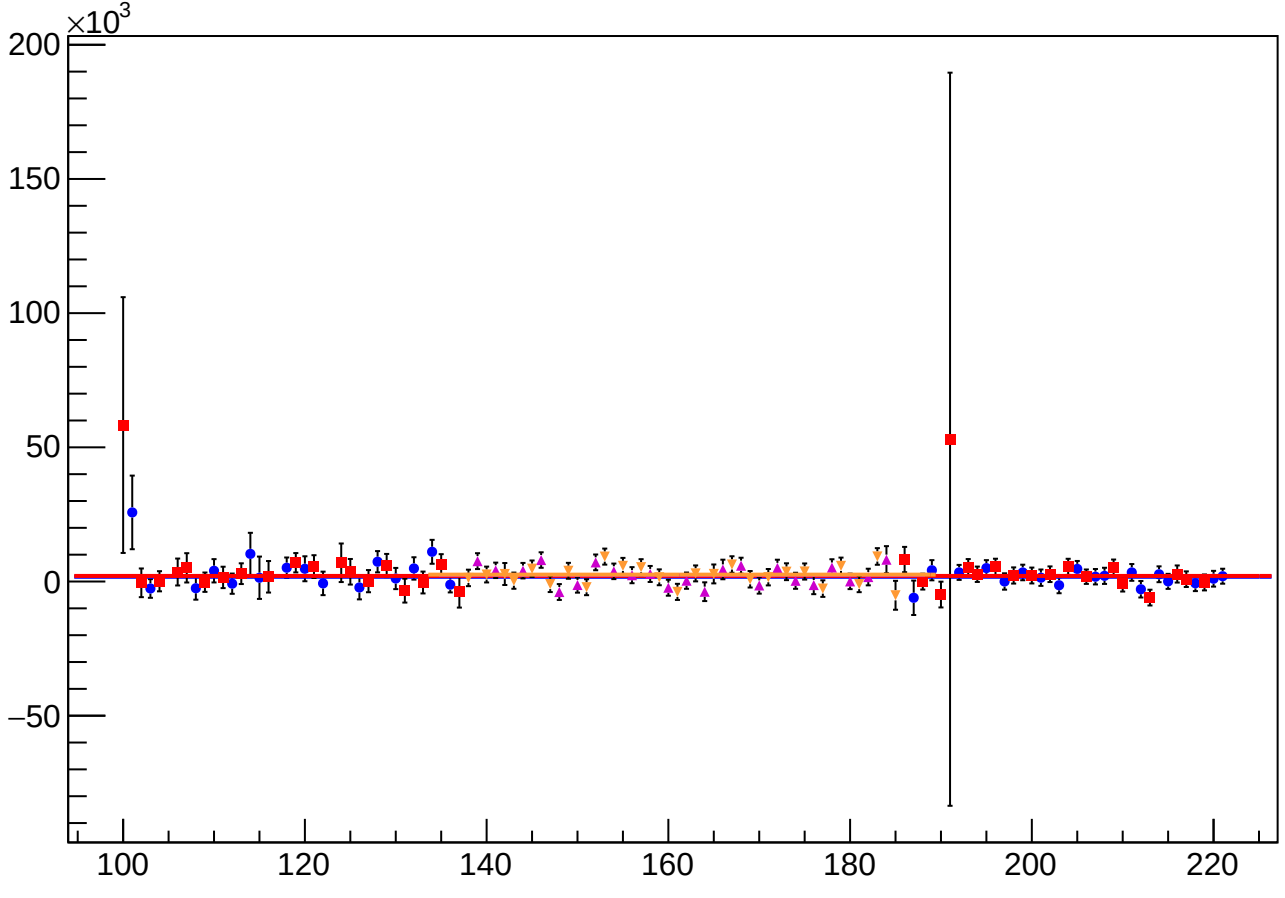
Right: 762.360+/-0.095 χ^2/NDF: 19170658.1/70

In: 778.325+/-0.094 χ^2/NDF:10184597.9/56

Out: 760.150+/-0.092 χ^2/NDF:11299114.1/61

All: 769.077+/-0.066 χ^2/NDF: 21502859.2/1

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: 2079.141+/-606.707 χ^2/NDF: 29.2/36

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

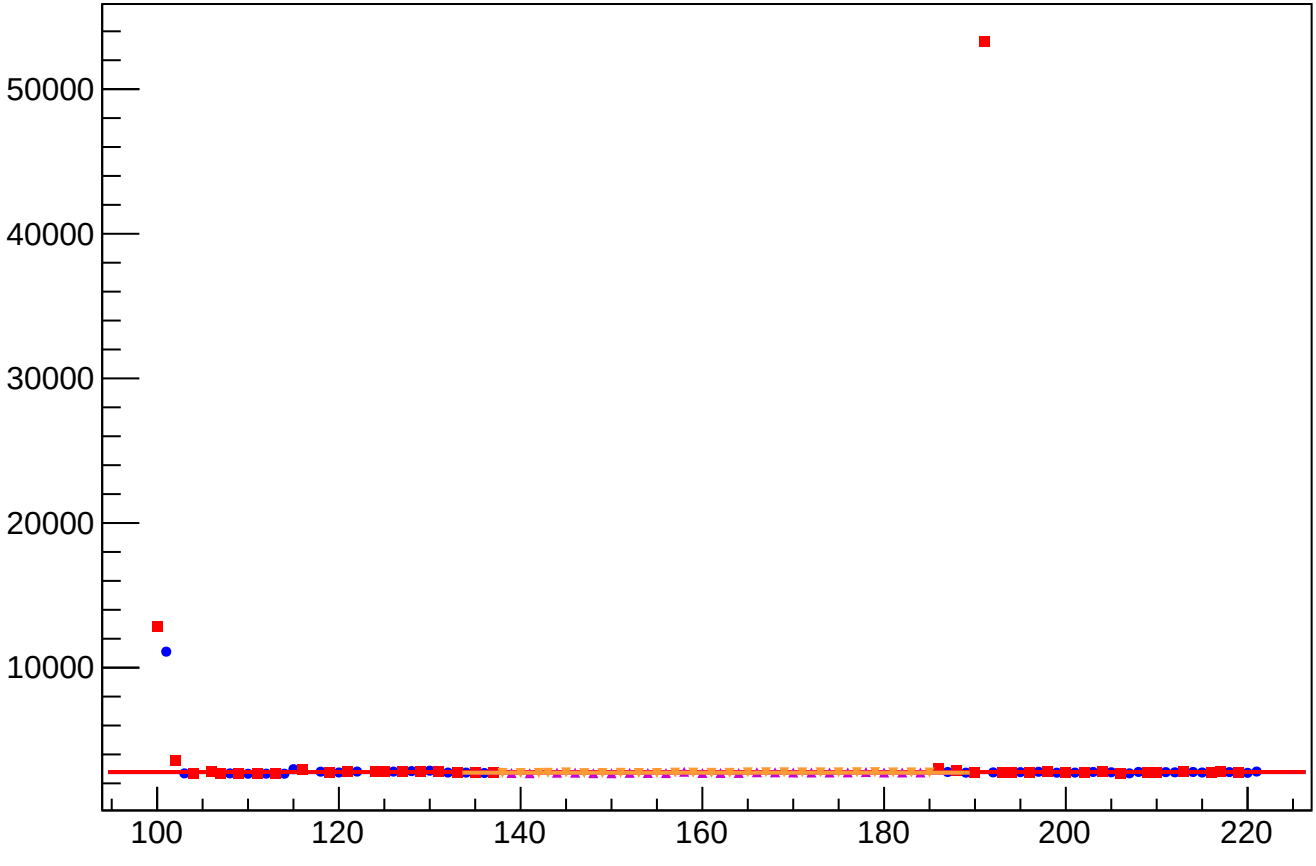
Right: 1920.962+/-425.146 χ^2/NDF: 57.2/70

In: 2065.748+/-436.049 χ^2/NDF:59.8/56

Out: 2312.085+/-434.254 χ^2/NDF:61.1/61

All: 2189.425+/-307.697 χ^2/NDF: 121.0/118

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: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

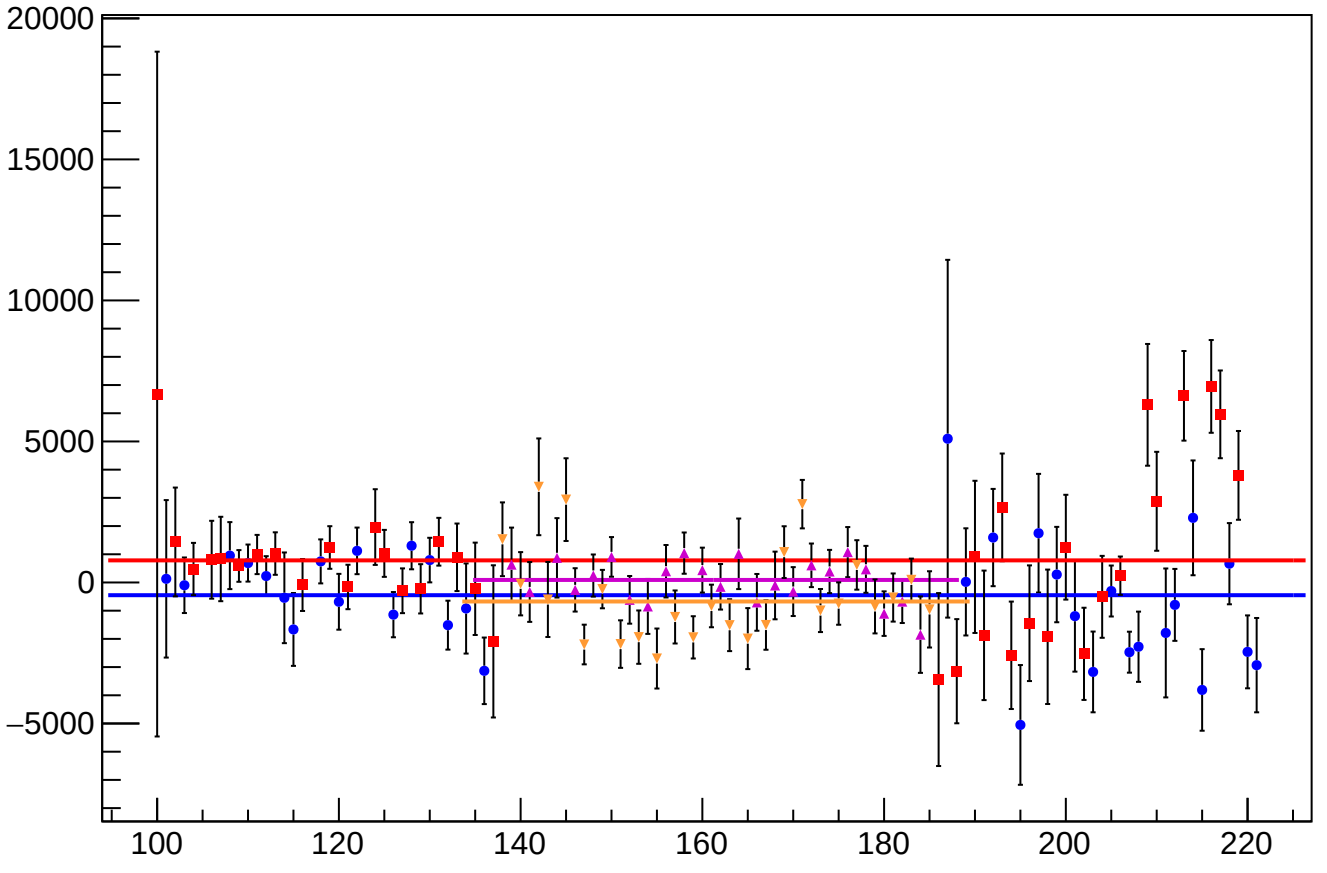
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2780.711+/-0.301 χ^2/NDF: 1234193.6/70

In: 2759.953+/-0.308 χ^2/NDF:758734.3/56

Out: 2761.411+/-0.307 χ^2/NDF:490459.8/61

All: 2760.685+/-0.218 χ^2/NDF: 1249205.3/11



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: 783.323+/-187.109 χ^2/NDF: 79.8/36

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

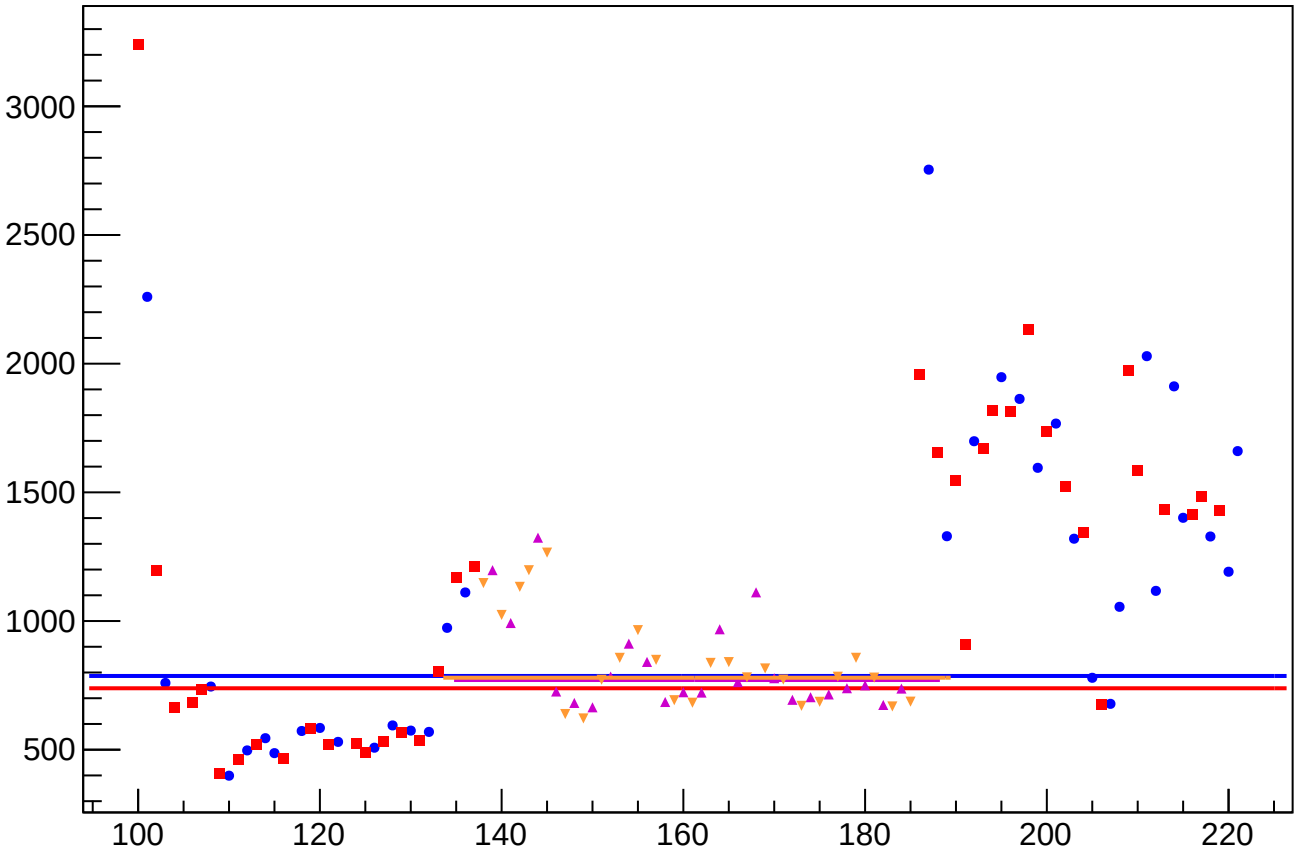
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 180.573+/-133.844 χ^2/NDF: 162.6/70

In: -169.107+/-132.501 χ^2/NDF:80.5/56

Out: 31.612+/-130.178 χ^2/NDF:169.5/61

All: -66.972+/-92.860 χ^2/NDF: 251.1/118



Right In: 786.516+/-0.135 χ^2/NDF: 9100455.8/33

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF: 10005302.1/36

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

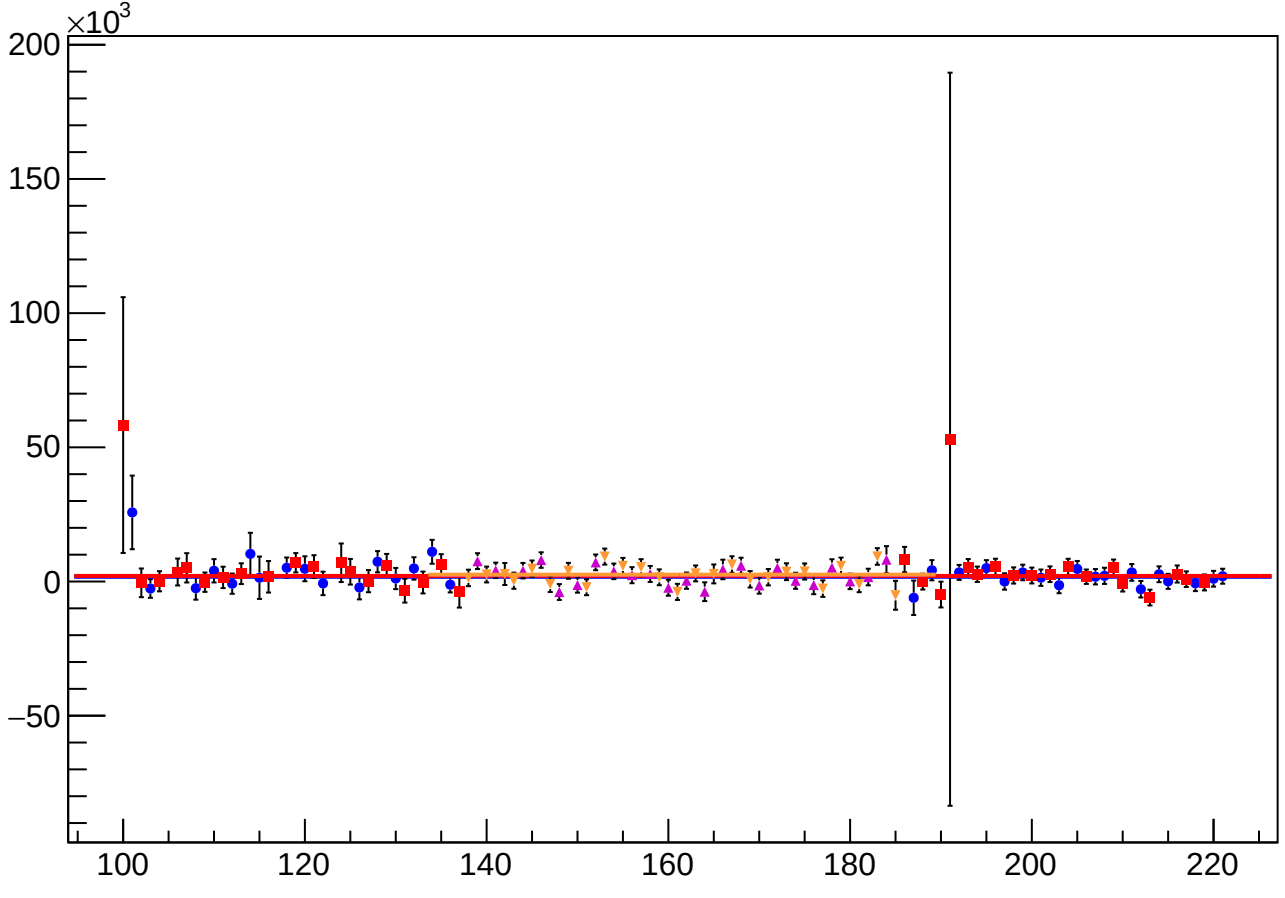
Right: 762.053+/-0.095 χ^2/NDF: 19169516.0/70

In: 778.321+/-0.094 χ^2/NDF:10183769.4/56

Out: 759.865+/-0.092 χ^2/NDF:11298630.5/61

All: 768.930+/-0.066 χ^2/NDF: 21502143.8/1

eigen_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: 2079.141+/-606.707 χ^2/NDF: 29.2/36

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

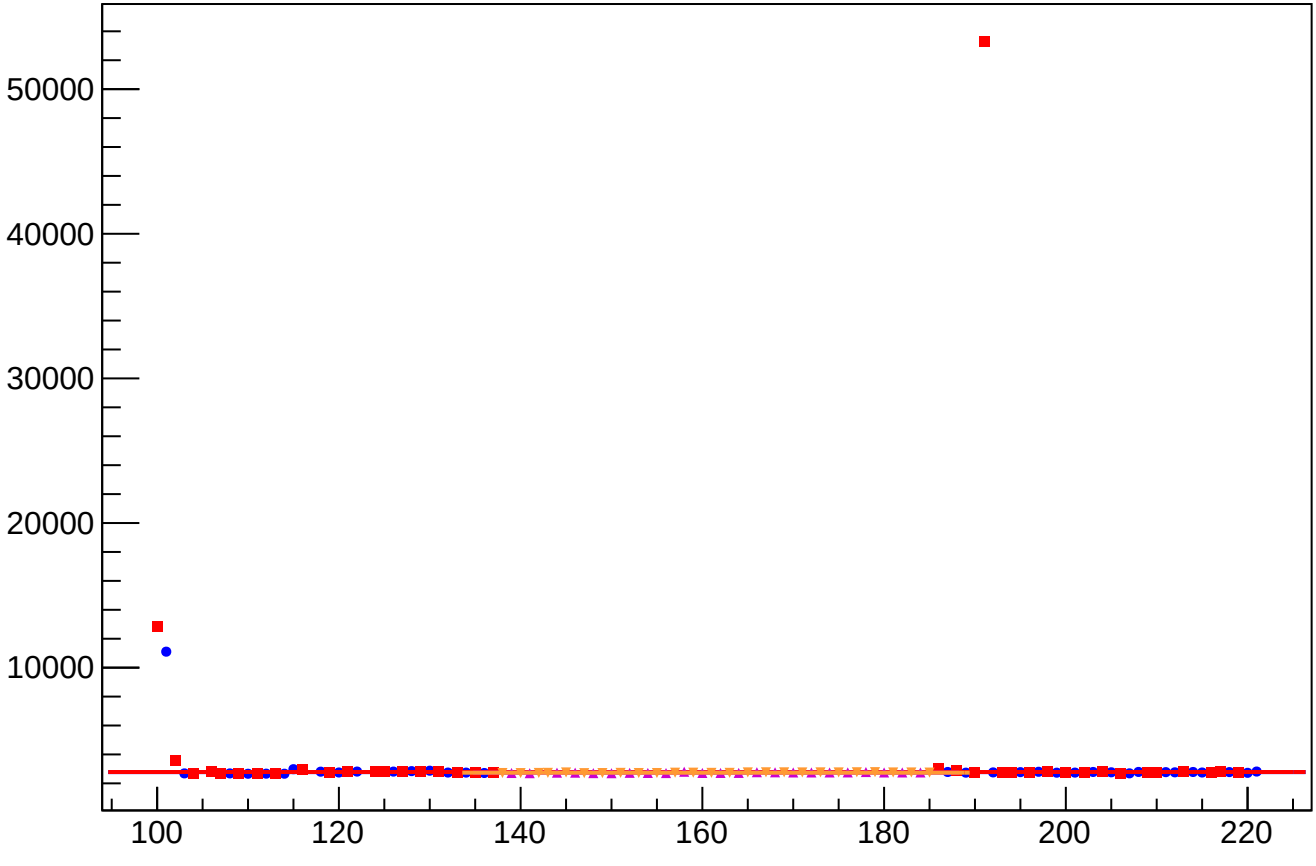
Right: 1920.962+/-425.146 χ^2/NDF: 57.2/70

In: 2065.748+/-436.049 χ^2/NDF:59.8/56

Out: 2312.085+/-434.254 χ^2/NDF:61.1/61

All: 2189.425+/-307.697 χ^2/NDF: 121.0/118

eigen_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: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

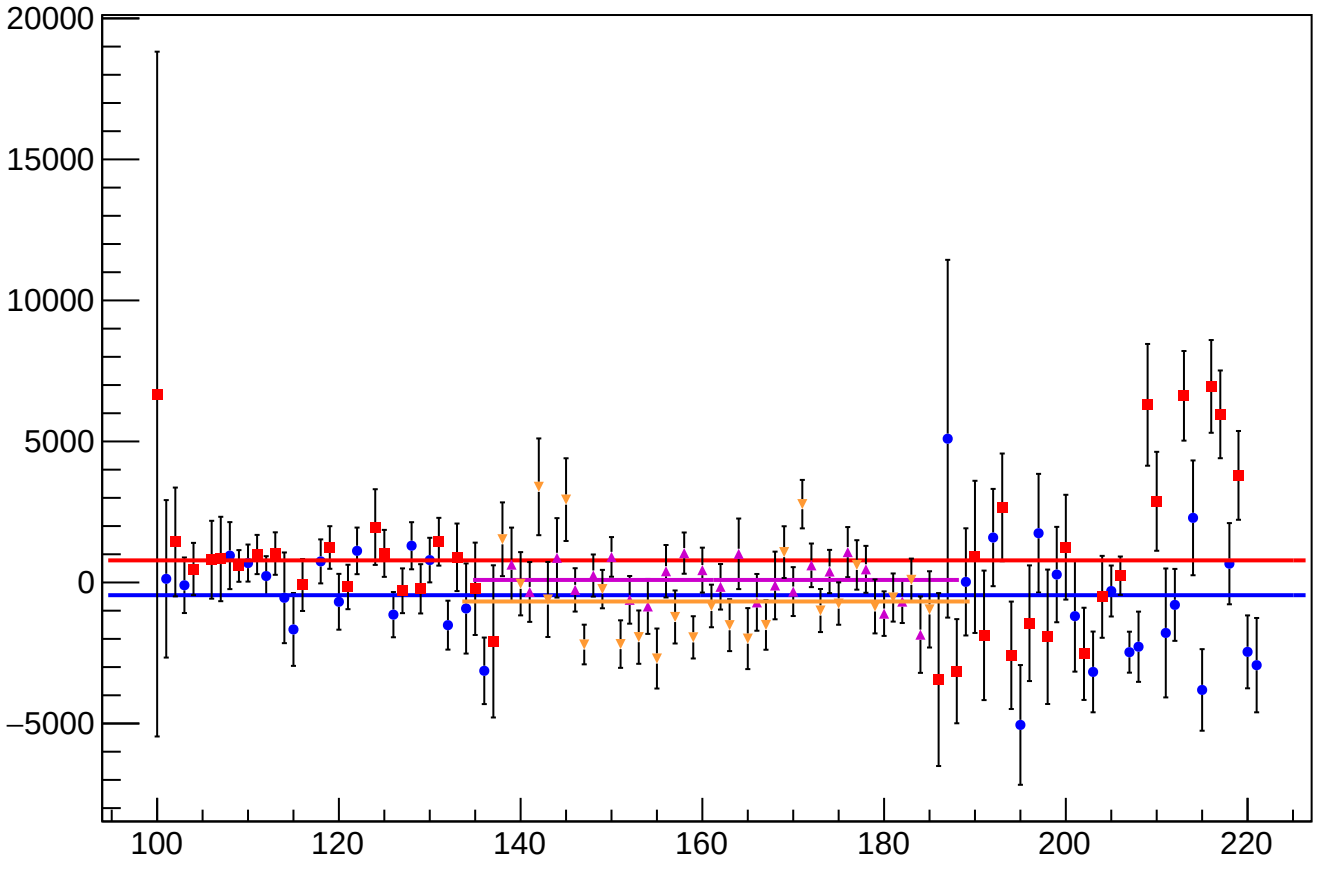
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2780.711+/-0.301 χ^2/NDF: 1234193.6/70

In: 2759.953+/-0.308 χ^2/NDF:758734.3/56

Out: 2761.411+/-0.307 χ^2/NDF:490459.8/61

All: 2760.685+/-0.218 χ^2/NDF: 1249205.3/11



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: 783.323+/-187.109 χ^2/NDF: 79.8/36

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

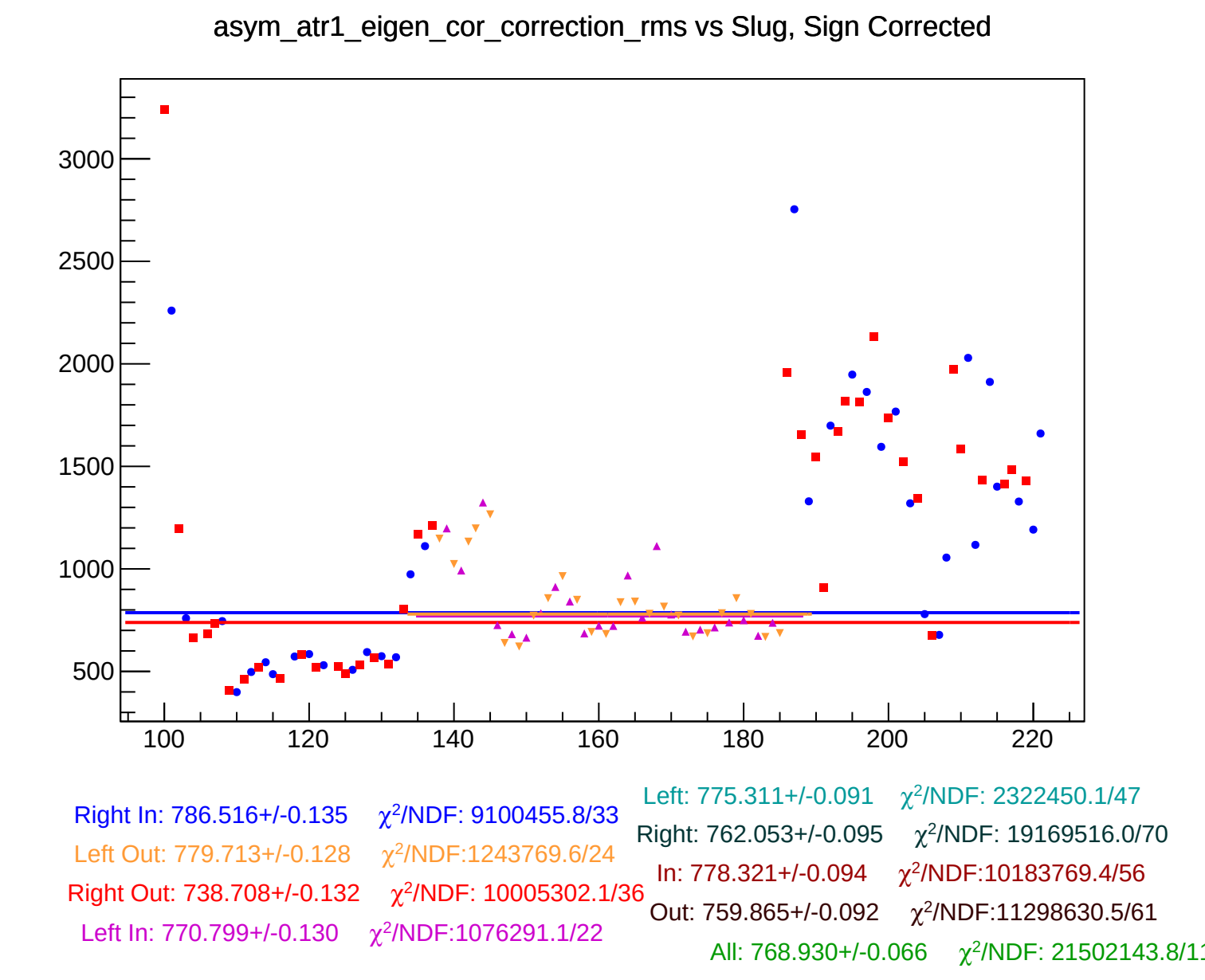
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 180.573+/-133.844 χ^2/NDF: 162.6/70

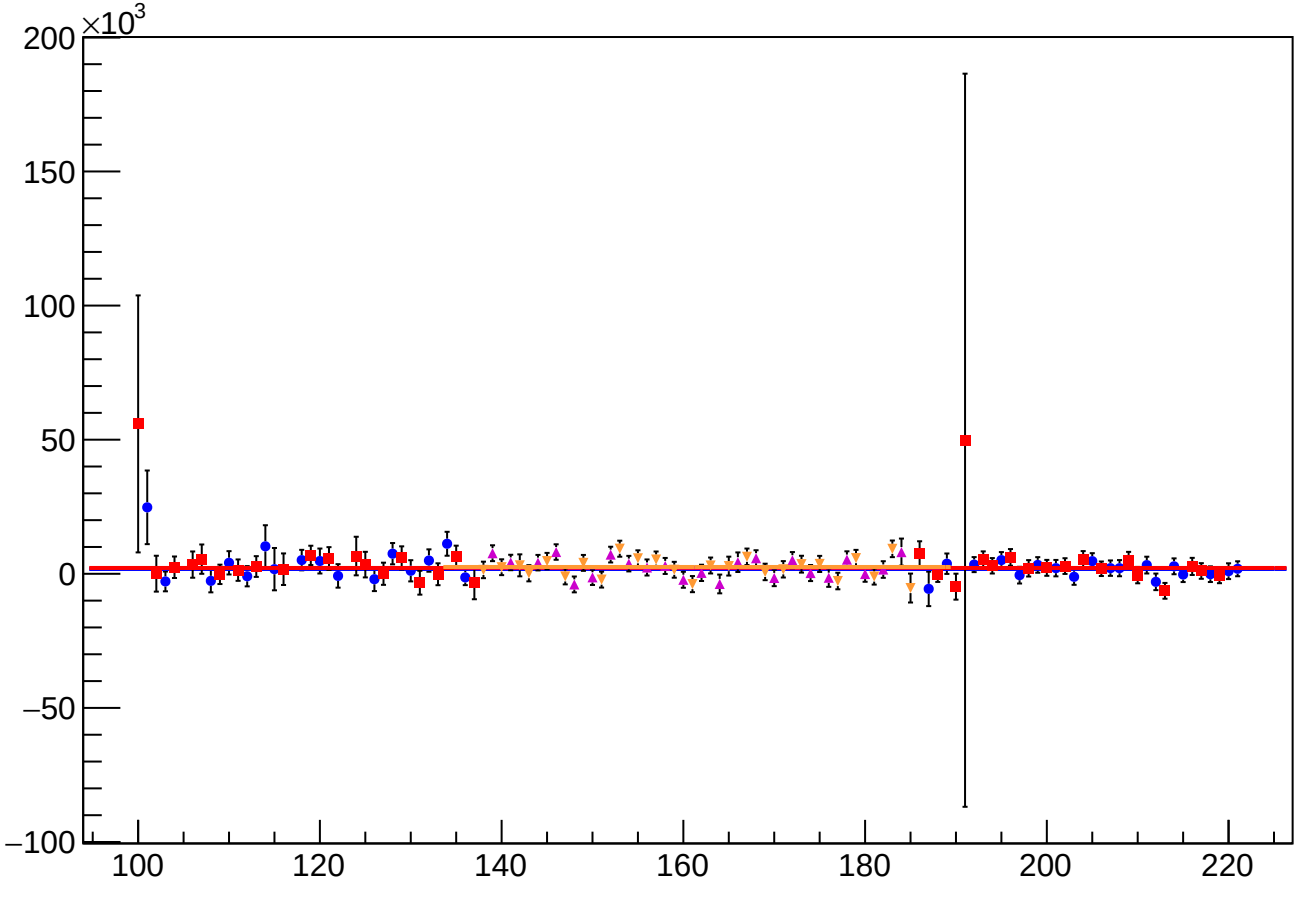
In: -169.107+/-132.501 χ^2/NDF:80.5/56

Out: 31.612+/-130.178 χ^2/NDF:169.5/61

All: -66.972+/-92.860 χ^2/NDF: 251.1/118


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: 738.708+/-0.132 χ²/NDF: 10005302.1/36
Left In: 770.799+/-0.130 χ²/NDF:1076291.1/22
Left: 775.311+/-0.091 χ²/NDF: 2322450.1/47
Right: 762.053+/-0.095 χ²/NDF: 19169516.0/70
In: 778.321+/-0.094 χ²/NDF:10183769.4/56
Out: 759.865+/-0.092 χ²/NDF:11298630.5/61
All: 768.930+/-0.066 χ²/NDF: 21502143.8/11

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: 2176.745+/-610.900 χ^2/NDF: 29.1/36

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

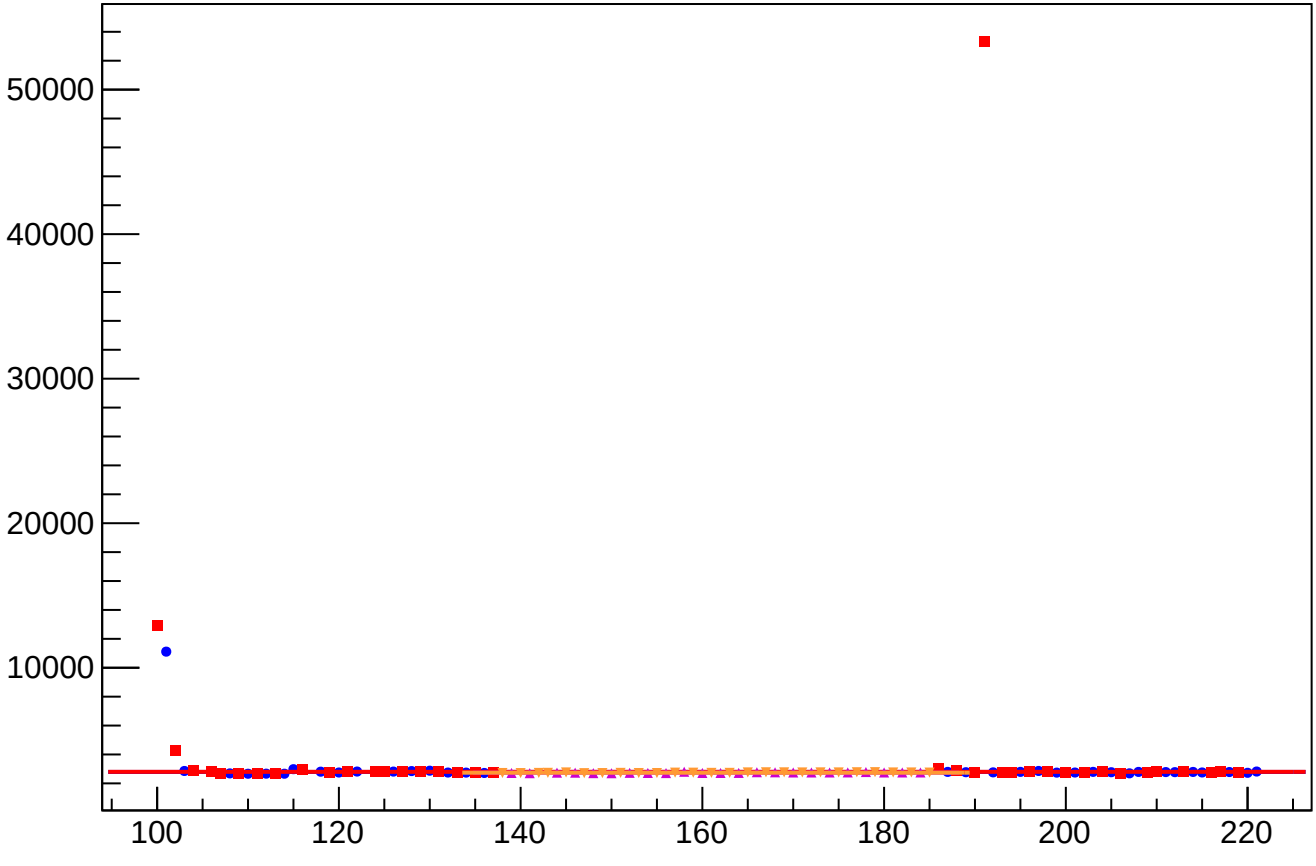
Right: 1984.392+/-427.574 χ^2/NDF: 57.0/70

In: 2082.980+/-437.223 χ^2/NDF:60.0/56

Out: 2357.509+/-435.924 χ^2/NDF:61.2/61

All: 2220.653+/-308.703 χ^2/NDF: 121.4/118

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: 2798.696+/-0.432 χ^2/NDF: 536503.5/36

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

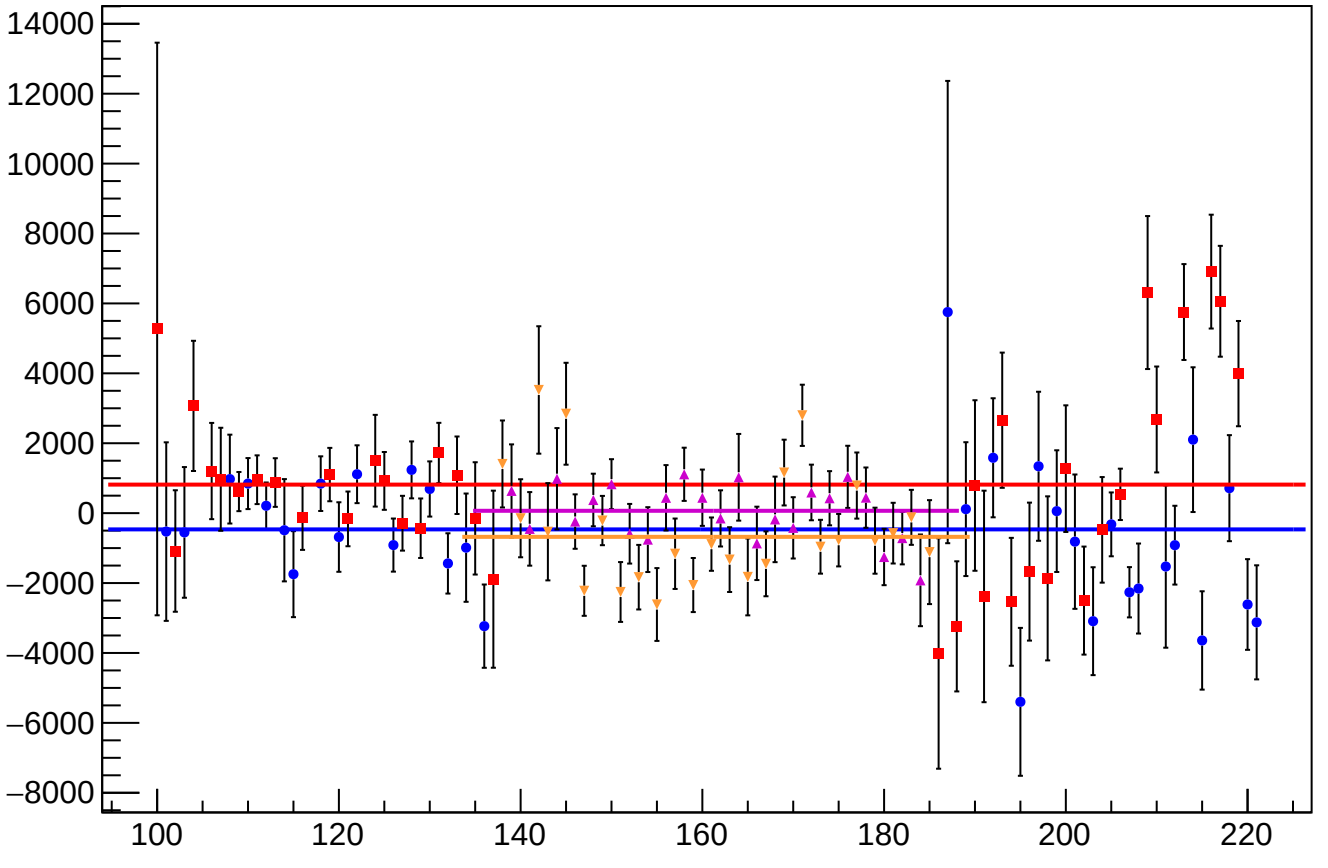
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2794.215+/-0.302 χ^2/NDF: 1288284.7/70

In: 2767.273+/-0.309 χ^2/NDF:761070.5/56

Out: 2769.546+/-0.308 χ^2/NDF:548103.8/61

All: 2768.413+/-0.218 χ^2/NDF: 1309201.4/11



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: 816.398+/-188.022 χ^2/NDF: 84.0/36

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

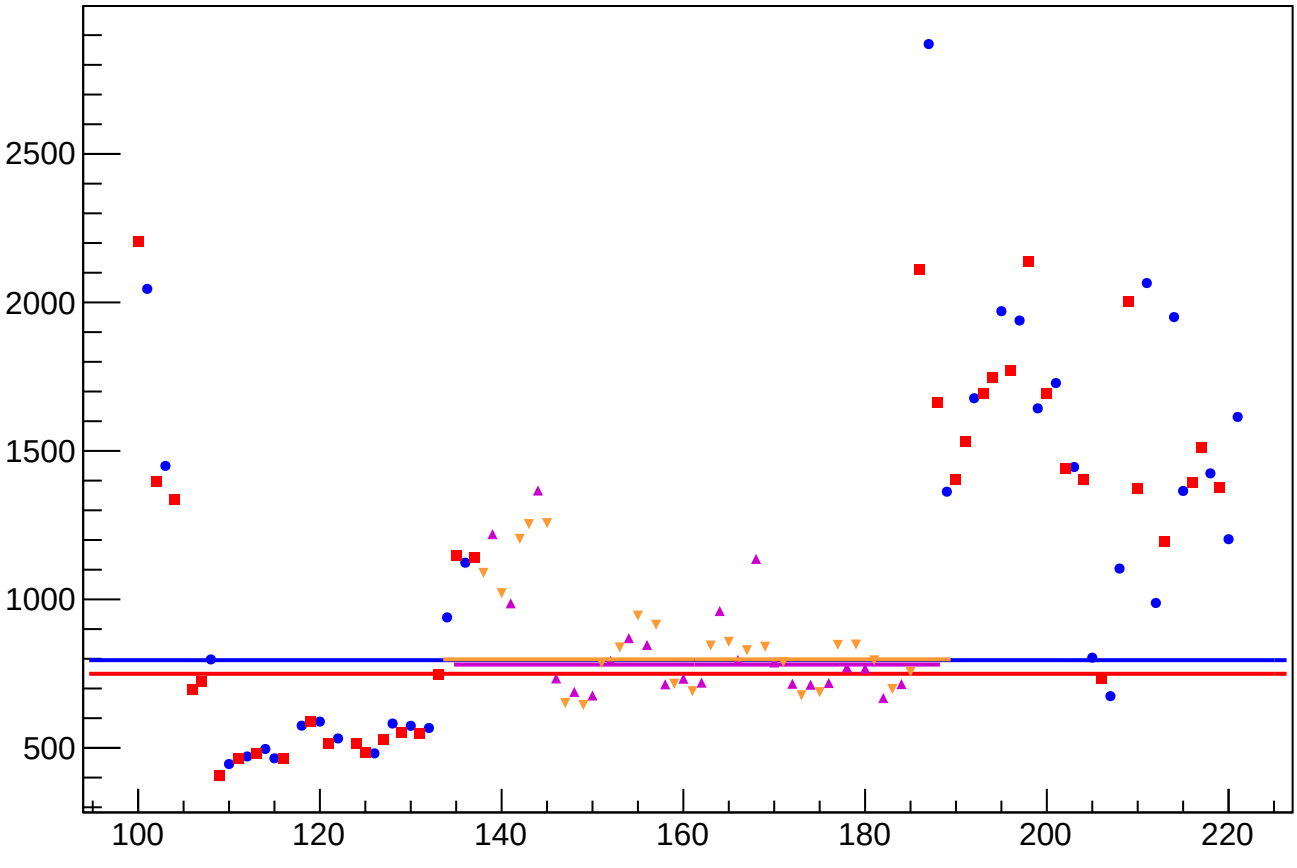
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 194.365+/-134.869 χ^2/NDF: 165.9/70

In: -187.460+/-133.905 χ^2/NDF:79.1/56

Out: 56.997+/-131.872 χ^2/NDF:172.3/61

All: -63.362+/-93.958 χ^2/NDF: 253.1/118



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: 749.467+/-0.133 χ^2/NDF: 10251544.3/36

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

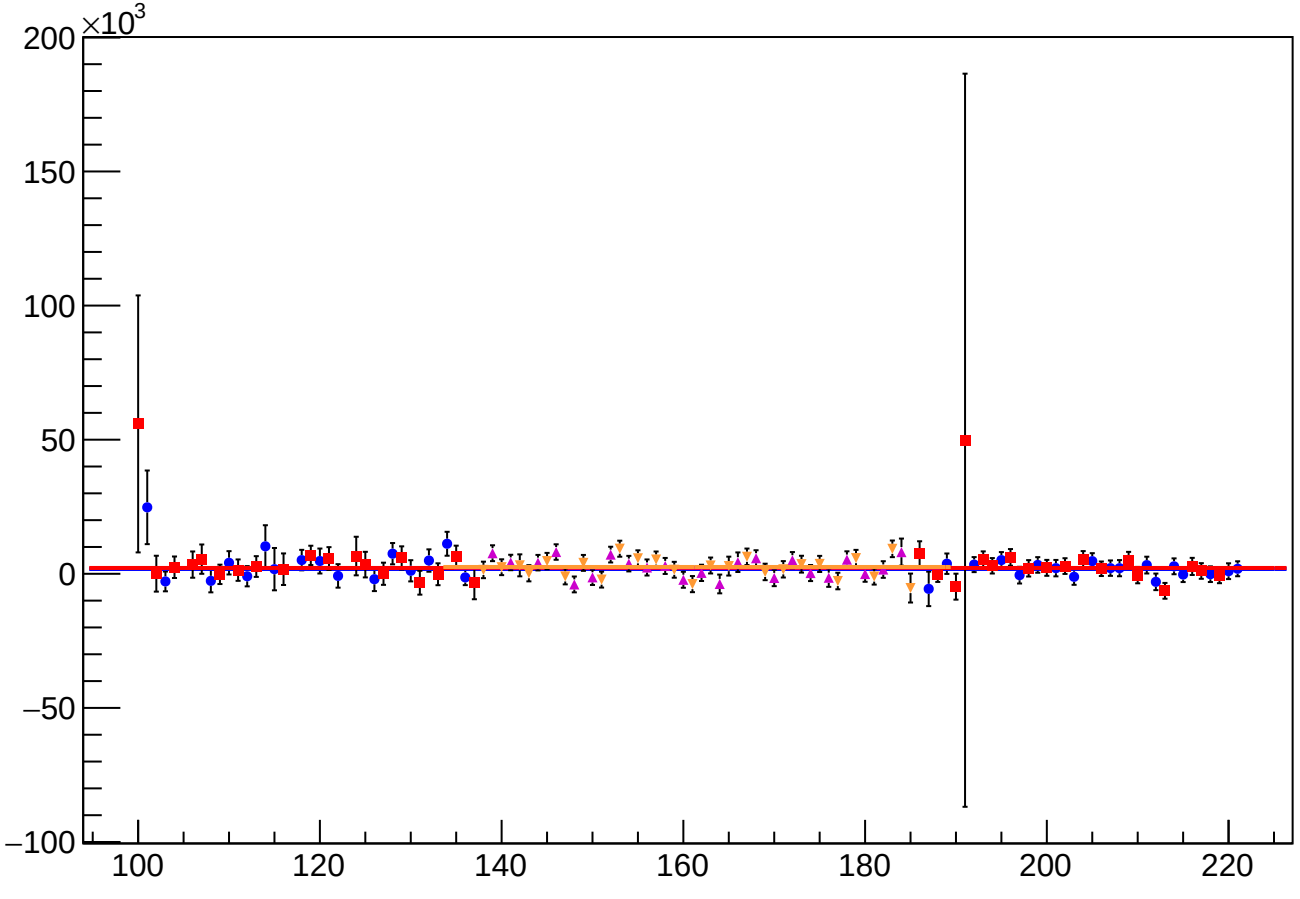
Right: 771.733+/-0.095 χ^2/NDF: 19814565.5/70

In: 787.611+/-0.095 χ^2/NDF:10576177.8/56

Out: 774.173+/-0.093 χ^2/NDF:11487856.8/61

All: 780.789+/-0.066 χ^2/NDF: 22074260.0/11

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: 2176.741+/-610.900 χ^2/NDF: 29.1/36

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

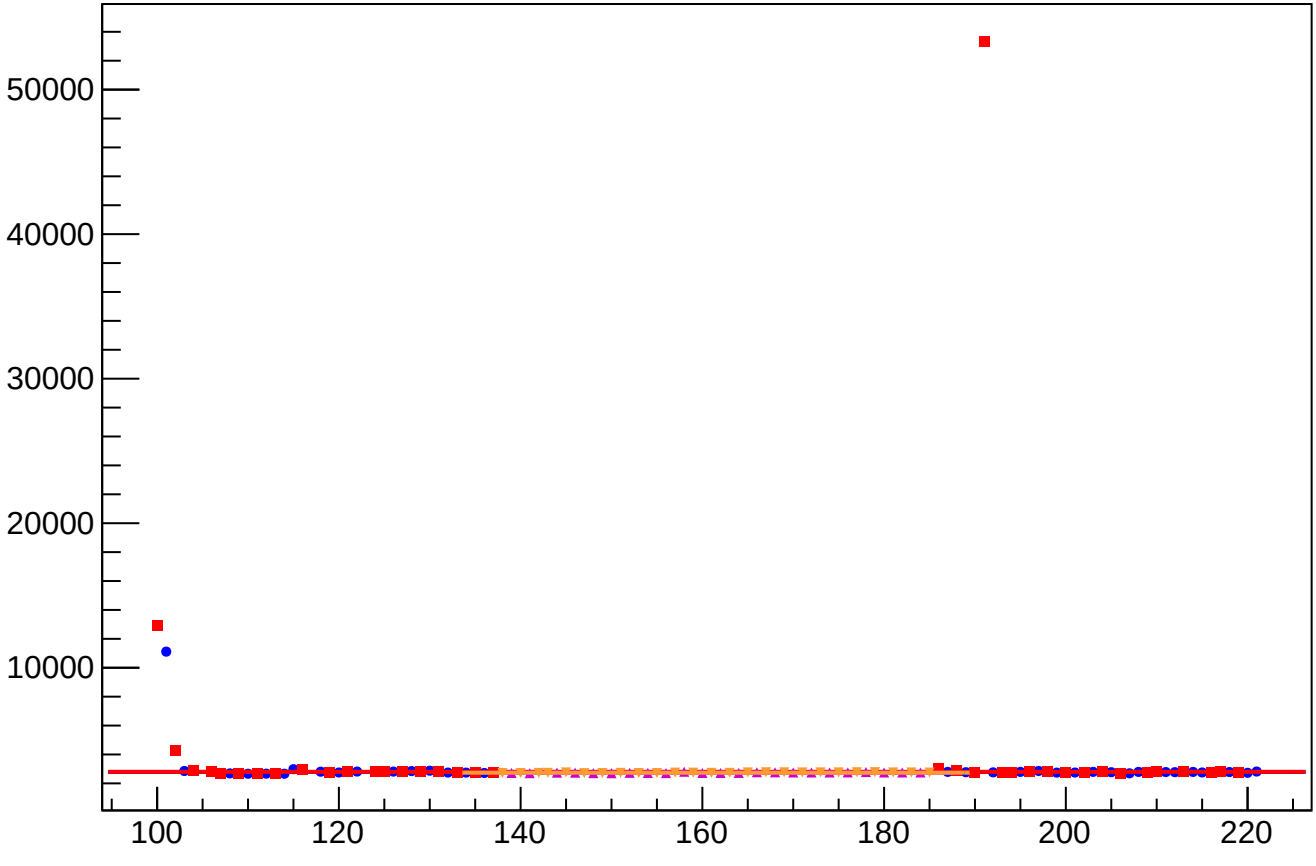
Right: 1984.392+/-427.574 χ^2/NDF: 57.0/70

In: 2082.981+/-437.223 χ^2/NDF:60.0/56

Out: 2357.507+/-435.924 χ^2/NDF:61.2/61

All: 2220.653+/-308.703 χ^2/NDF: 121.4/118

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: 2798.696+/-0.432 χ^2/NDF: 536503.3/36

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

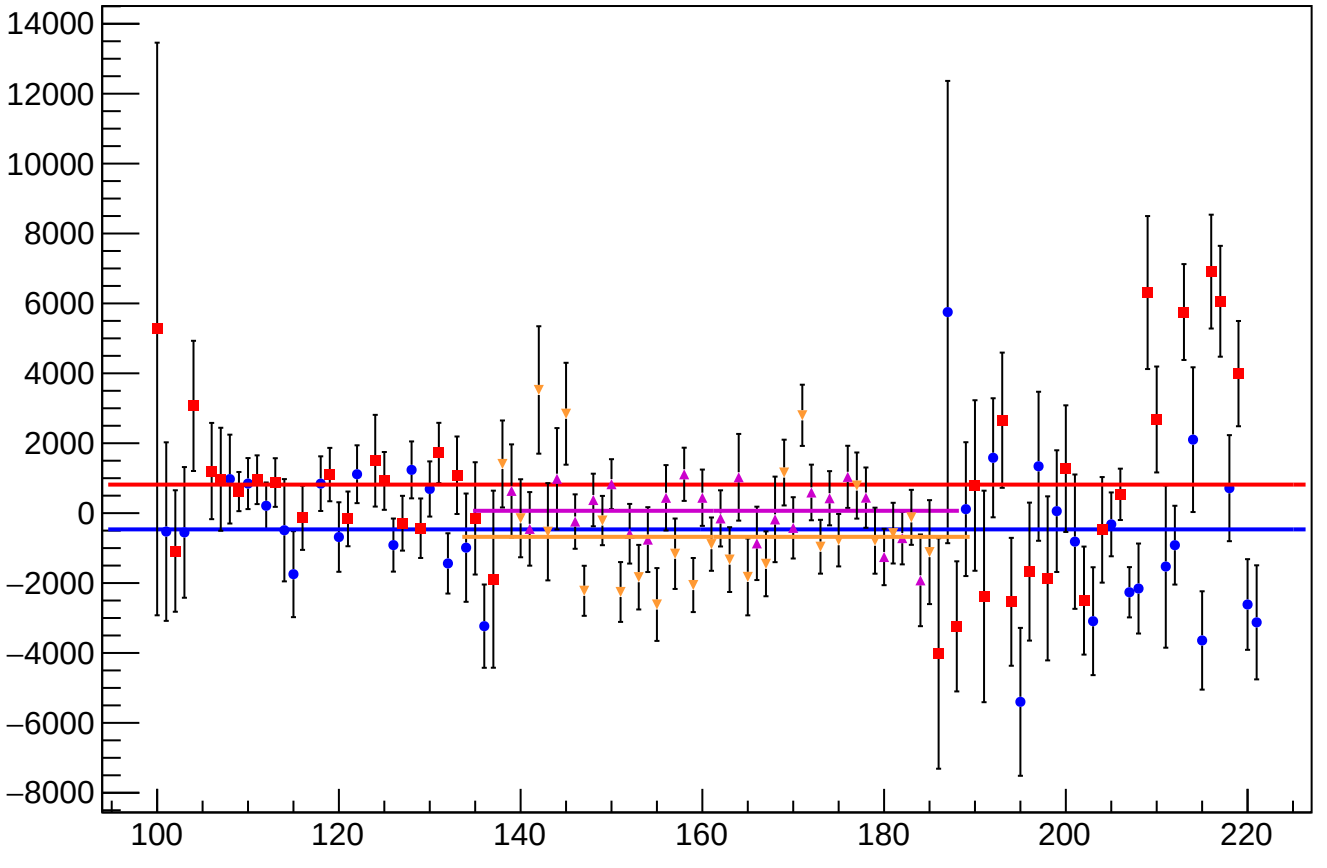
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2794.215+/-0.302 χ^2/NDF: 1288284.5/70

In: 2767.273+/-0.309 χ^2/NDF:761070.4/56

Out: 2769.546+/-0.308 χ^2/NDF:548103.6/61

All: 2768.413+/-0.218 χ^2/NDF: 1309201.1/11



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: 816.397+/-188.022 χ^2/NDF: 84.0/36

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

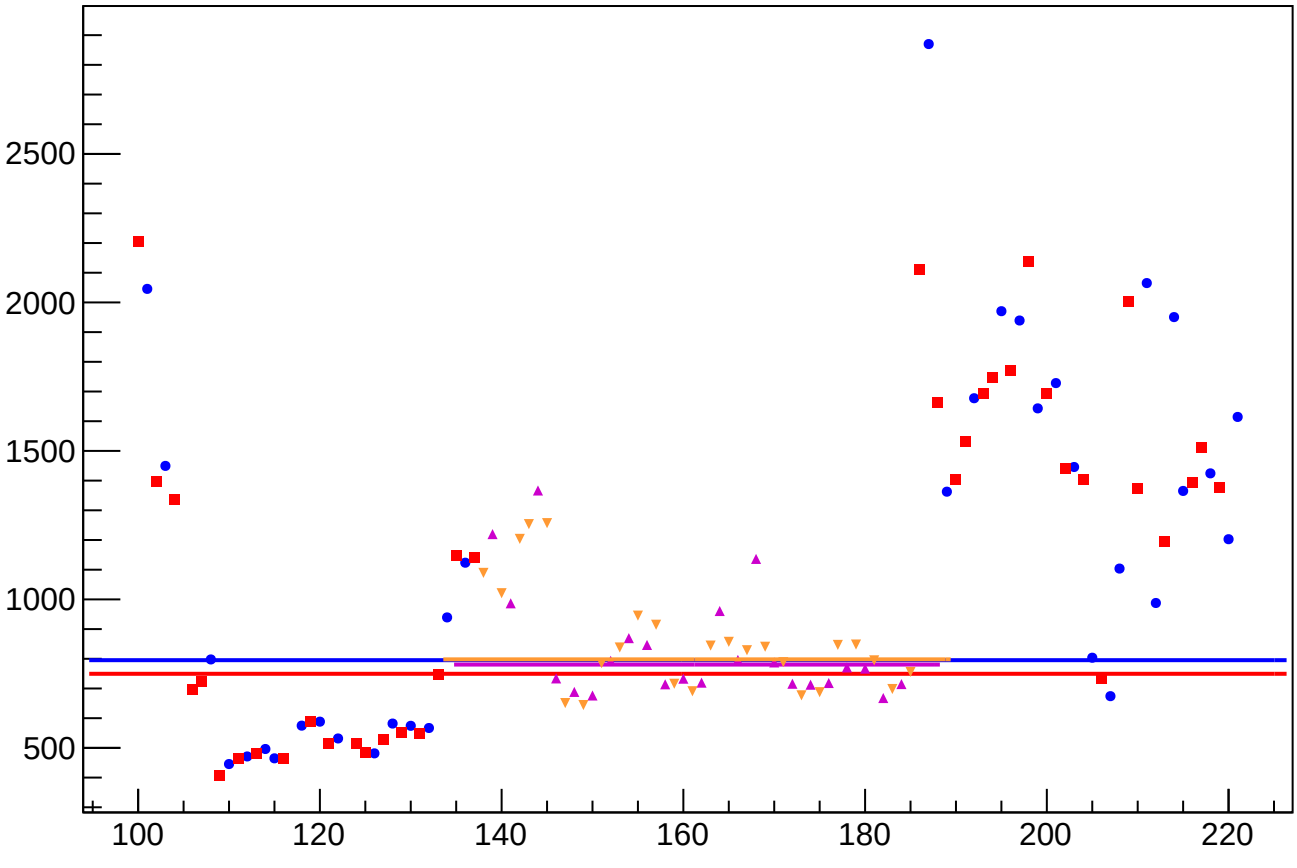
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 194.365+/-134.869 χ^2/NDF: 165.9/70

In: -187.459+/-133.905 χ^2/NDF:79.1/56

Out: 56.995+/-131.872 χ^2/NDF:172.3/61

All: -63.362+/-93.958 χ^2/NDF: 253.1/118



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: 749.468+/-0.133 χ^2/NDF: 10251558.8/36

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

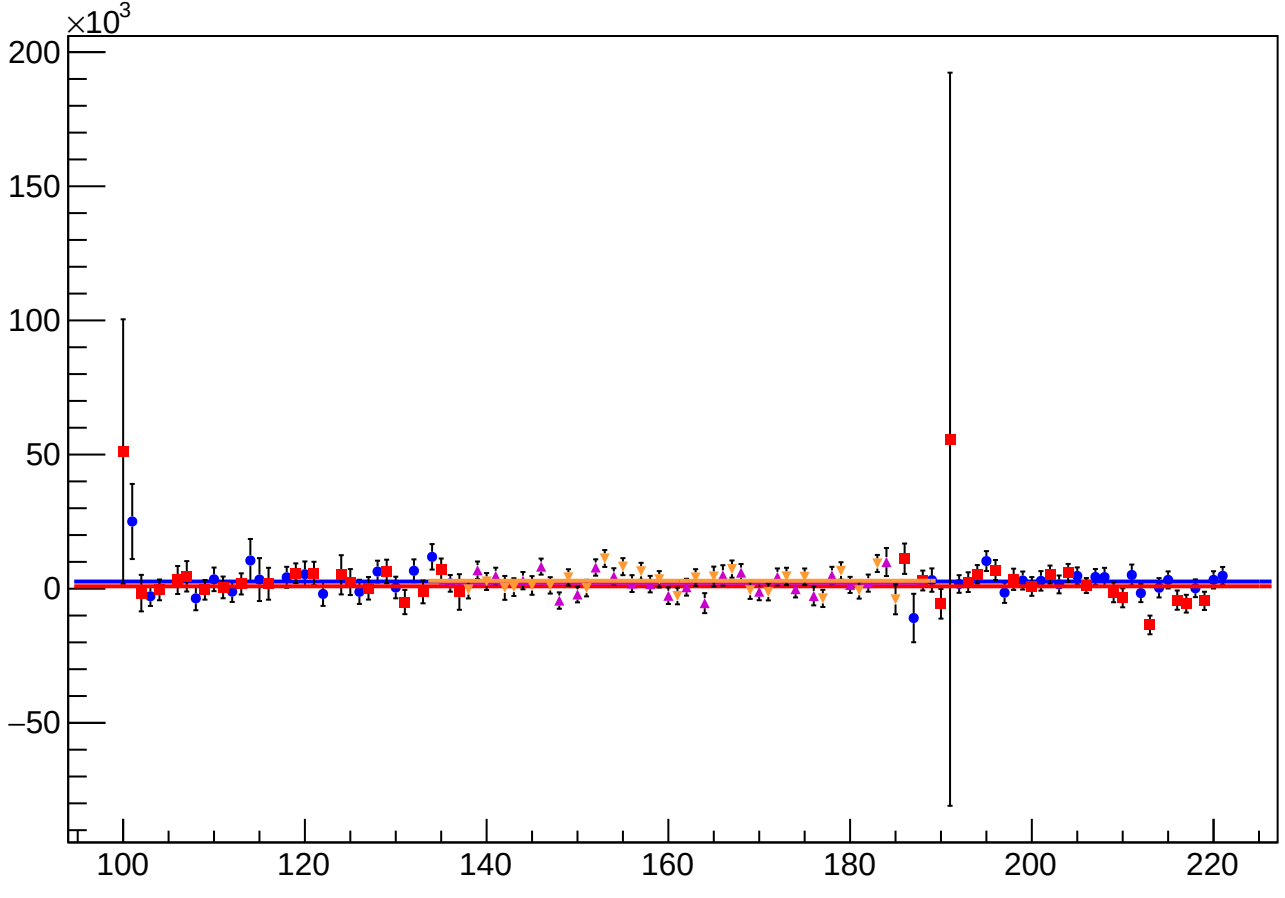
Right: 771.733+/-0.095 χ^2/NDF: 19814591.7/70

In: 787.611+/-0.095 χ^2/NDF:10576192.3/56

Out: 774.173+/-0.093 χ^2/NDF:11487872.8/61

All: 780.789+/-0.066 χ^2/NDF: 22074290.5/11

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: 895.953+/-678.275 χ^2/NDF: 52.7/36

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

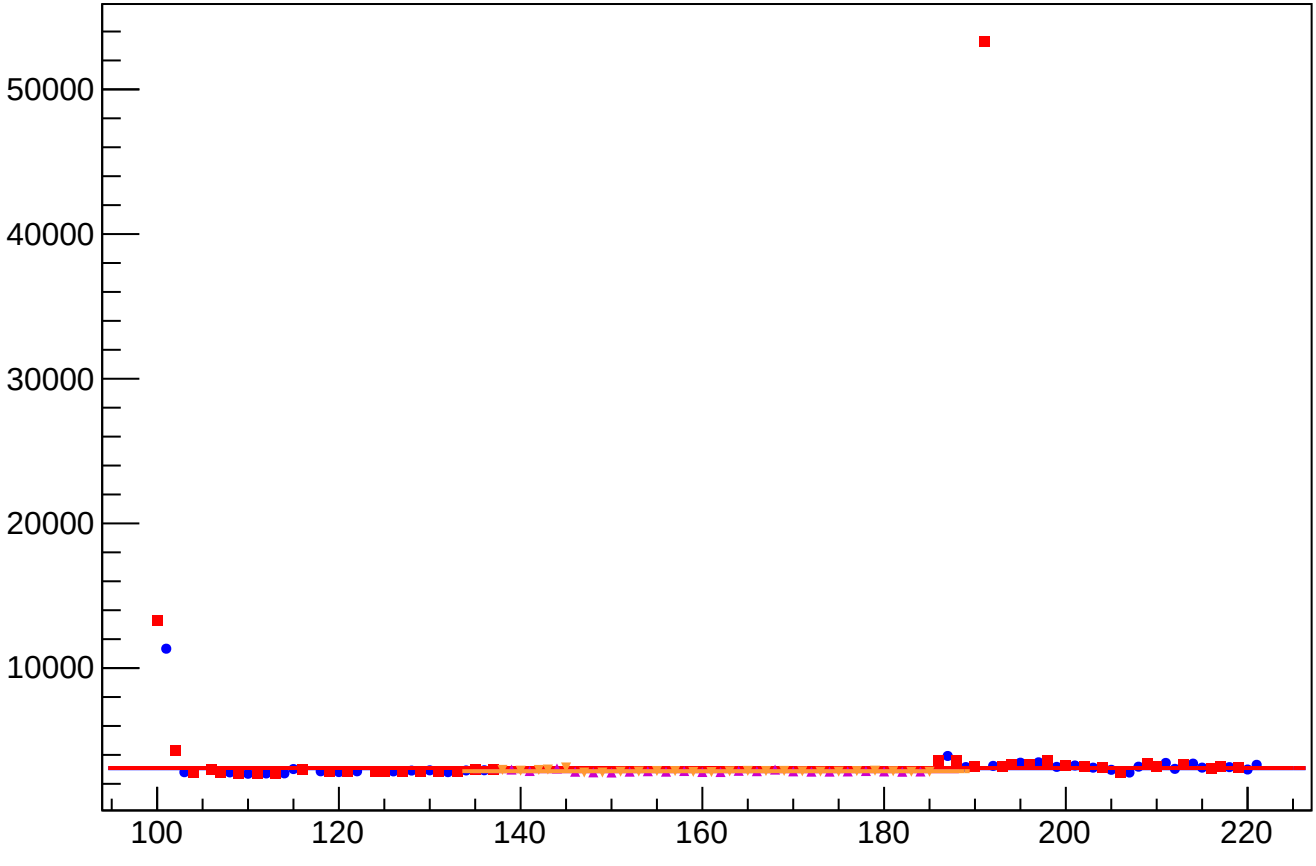
Right: 1803.268+/-473.976 χ^2/NDF: 85.5/70

In: 2455.821+/-471.239 χ^2/NDF:63.3/56

Out: 1971.542+/-470.529 χ^2/NDF:93.3/61

All: 2213.316+/-332.965 χ^2/NDF: 157.2/118

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: 3094.480+/-0.480 χ^2/NDF: 763072.1/36

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

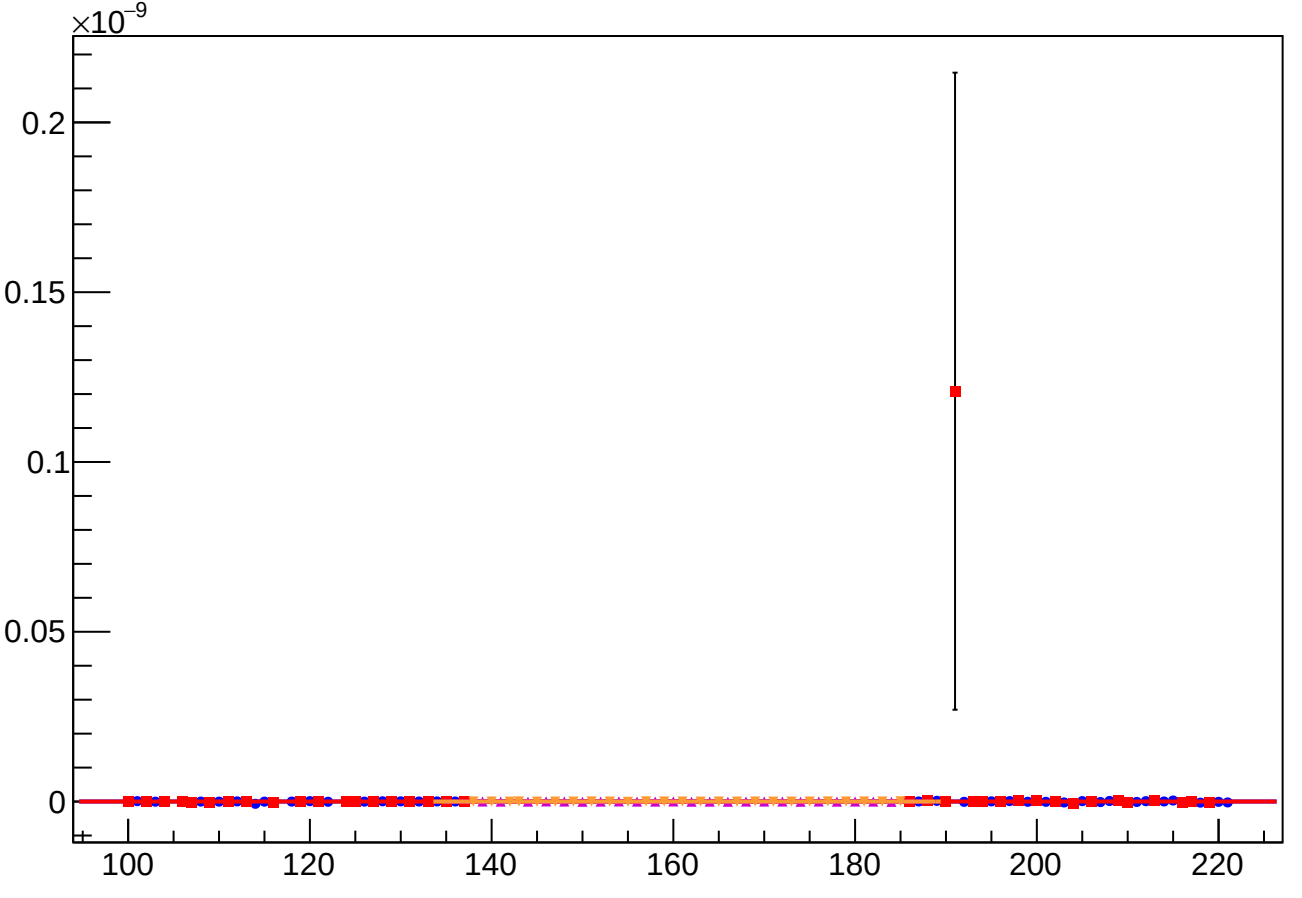
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3086.140+/-0.335 χ^2/NDF: 1703892.9/70

In: 2975.373+/-0.333 χ^2/NDF:1055344.1/56

Out: 2980.588+/-0.333 χ^2/NDF:893563.4/61

All: 2977.984+/-0.235 χ^2/NDF: 1949030.2/11



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: 47.6/36

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

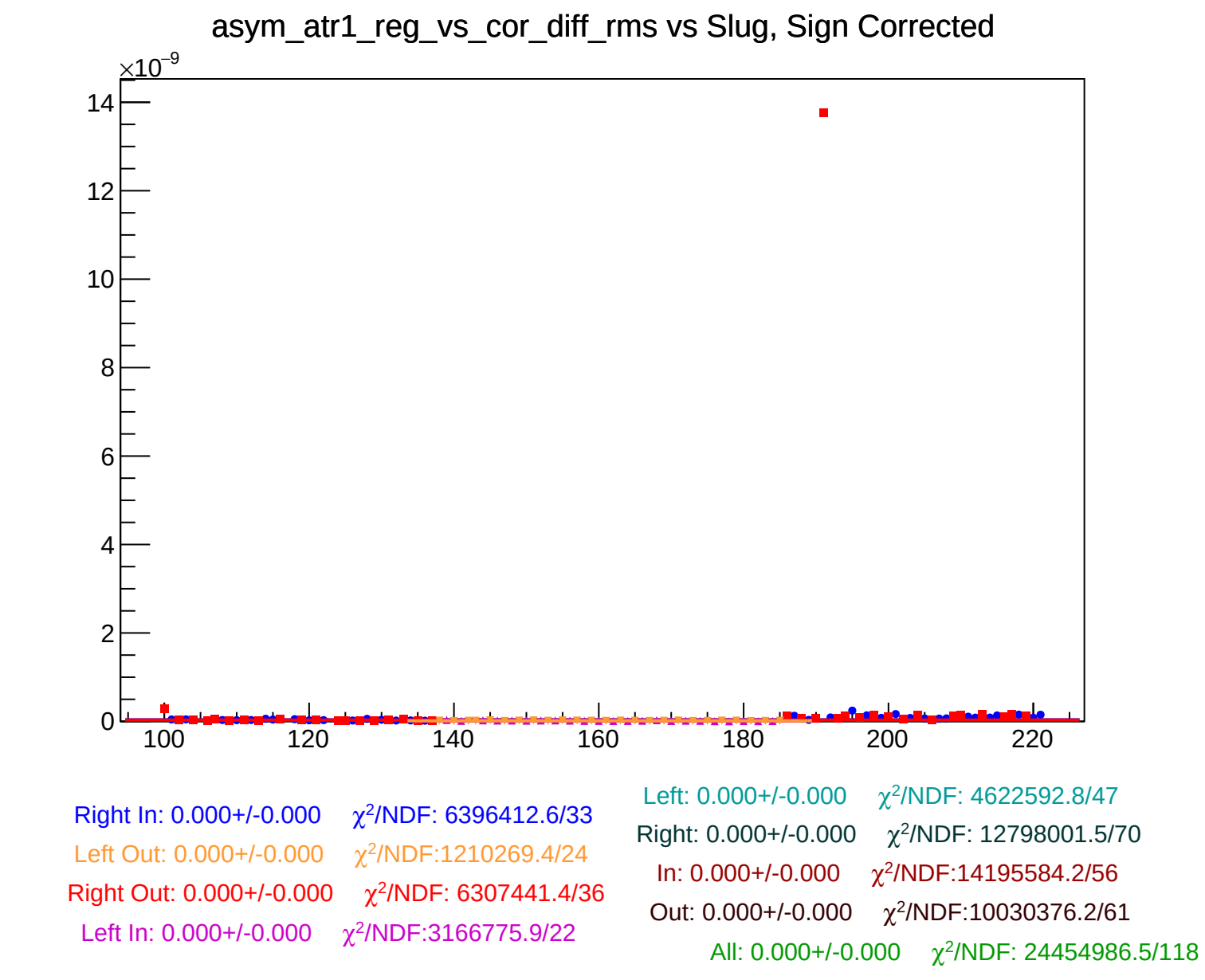
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

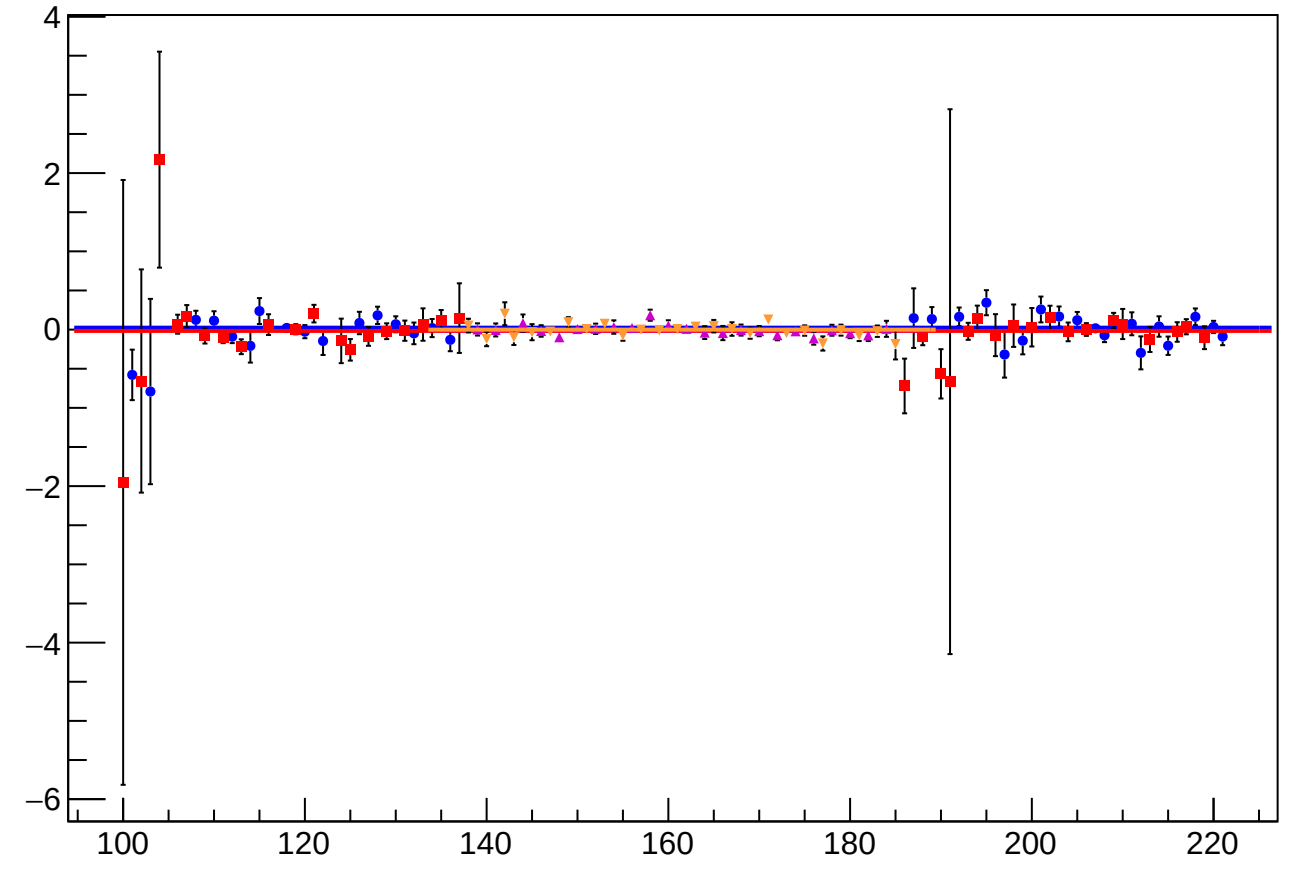
Right: 0.000+/-0.000 χ^2/NDF: 77.5/70

In: -0.000+/-0.000 χ^2/NDF:59.8/56

Out: 0.000+/-0.000 χ^2/NDF:62.4/61

All: -0.000+/-0.000 χ^2/NDF: 122.9/118


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: 6307441.4/36
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: 12798001.5/70
In: 0.000+/-0.000 χ²/NDF:14195584.2/56
Out: 0.000+/-0.000 χ²/NDF:10030376.2/61
All: 0.000+/-0.000 χ²/NDF: 24454986.5/118



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: 33.9/36

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

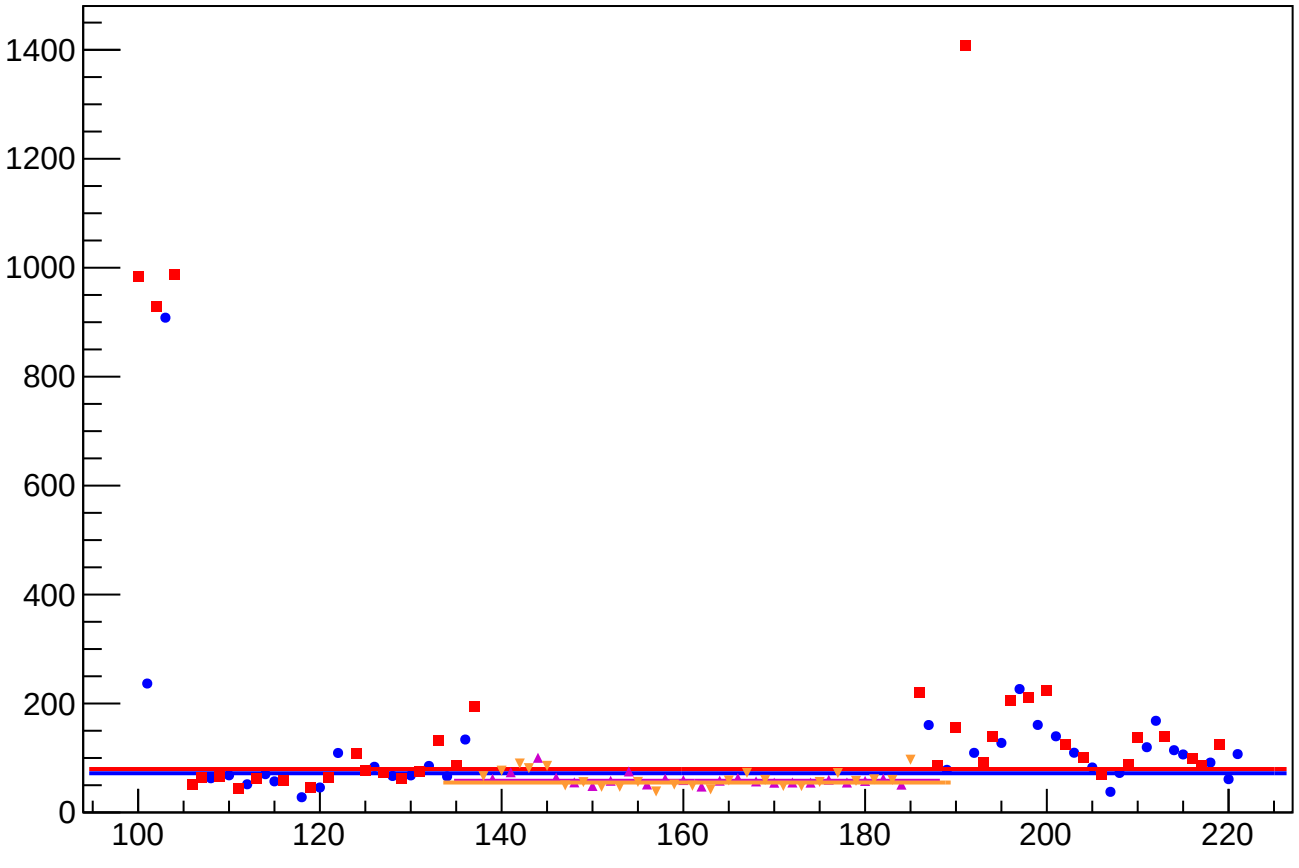
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.006+/-0.014 χ^2/NDF: 73.7/70

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.005+/-0.012 χ^2/NDF:56.9/61

All: -0.001+/-0.008 χ^2/NDF: 112.3/118



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: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

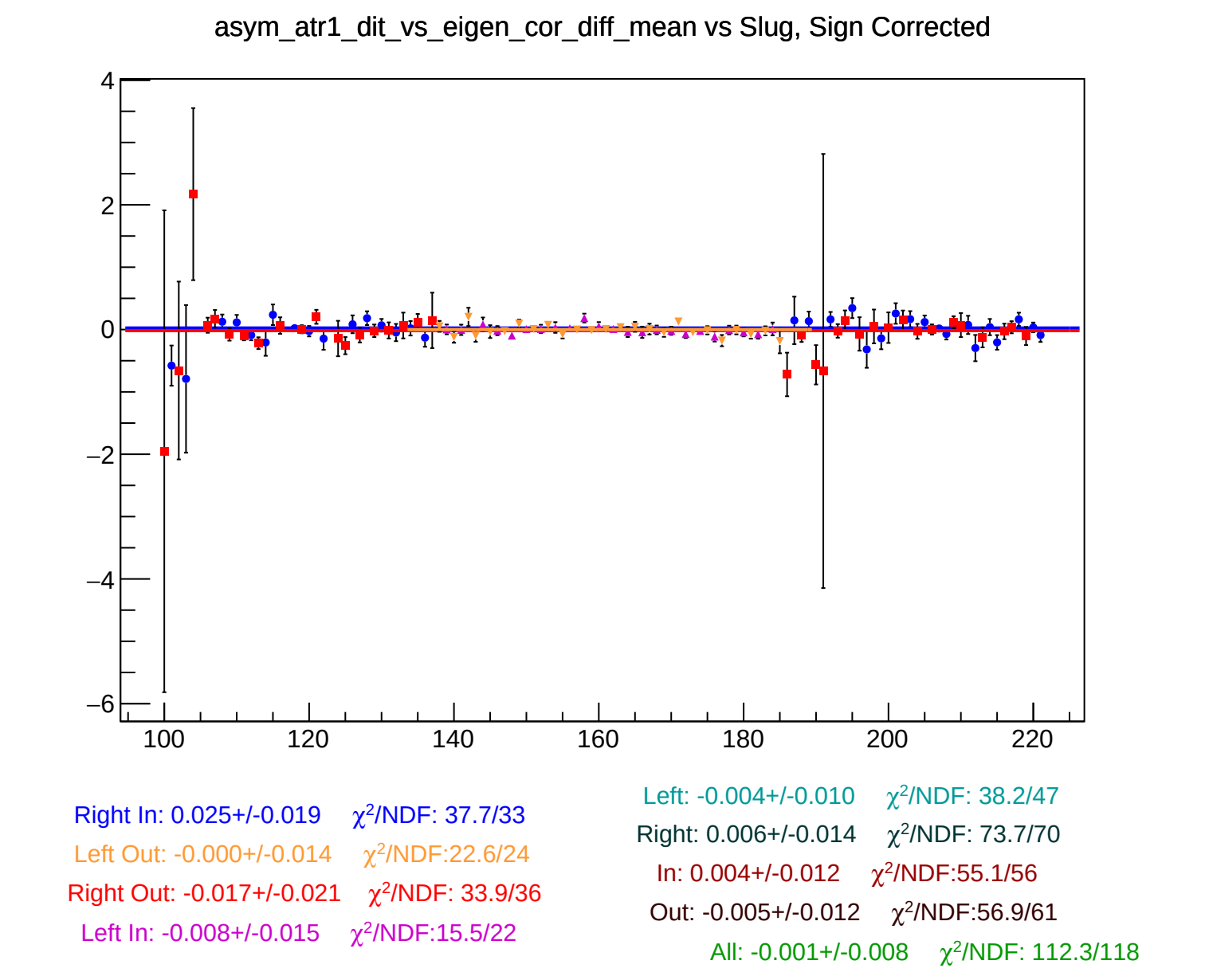
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

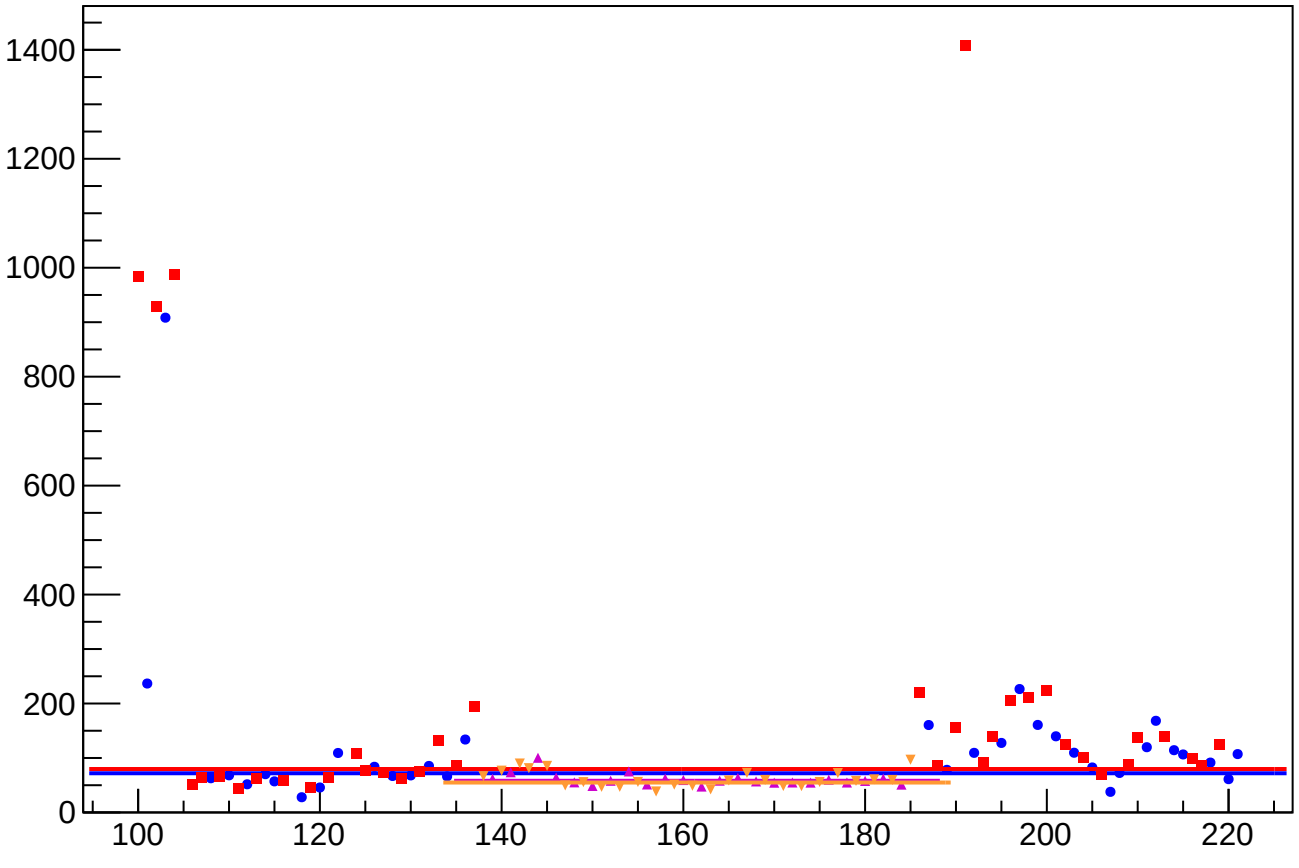
Right: 75.476+/-0.010 χ^2/NDF: 15132196.6/70

In: 63.244+/-0.008 χ^2/NDF:9249710.4/56

Out: 62.460+/-0.008 χ^2/NDF:10214186.3/61

All: 62.852+/-0.006 χ^2/NDF: 19468328.2/118


asym_atr1_dit_vs_eigen_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: 33.9/36
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.006+/-0.014 χ²/NDF: 73.7/70
In: 0.004+/-0.012 χ²/NDF:55.1/56
Out: -0.005+/-0.012 χ²/NDF:56.9/61
All: -0.001+/-0.008 χ²/NDF: 112.3/118



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: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

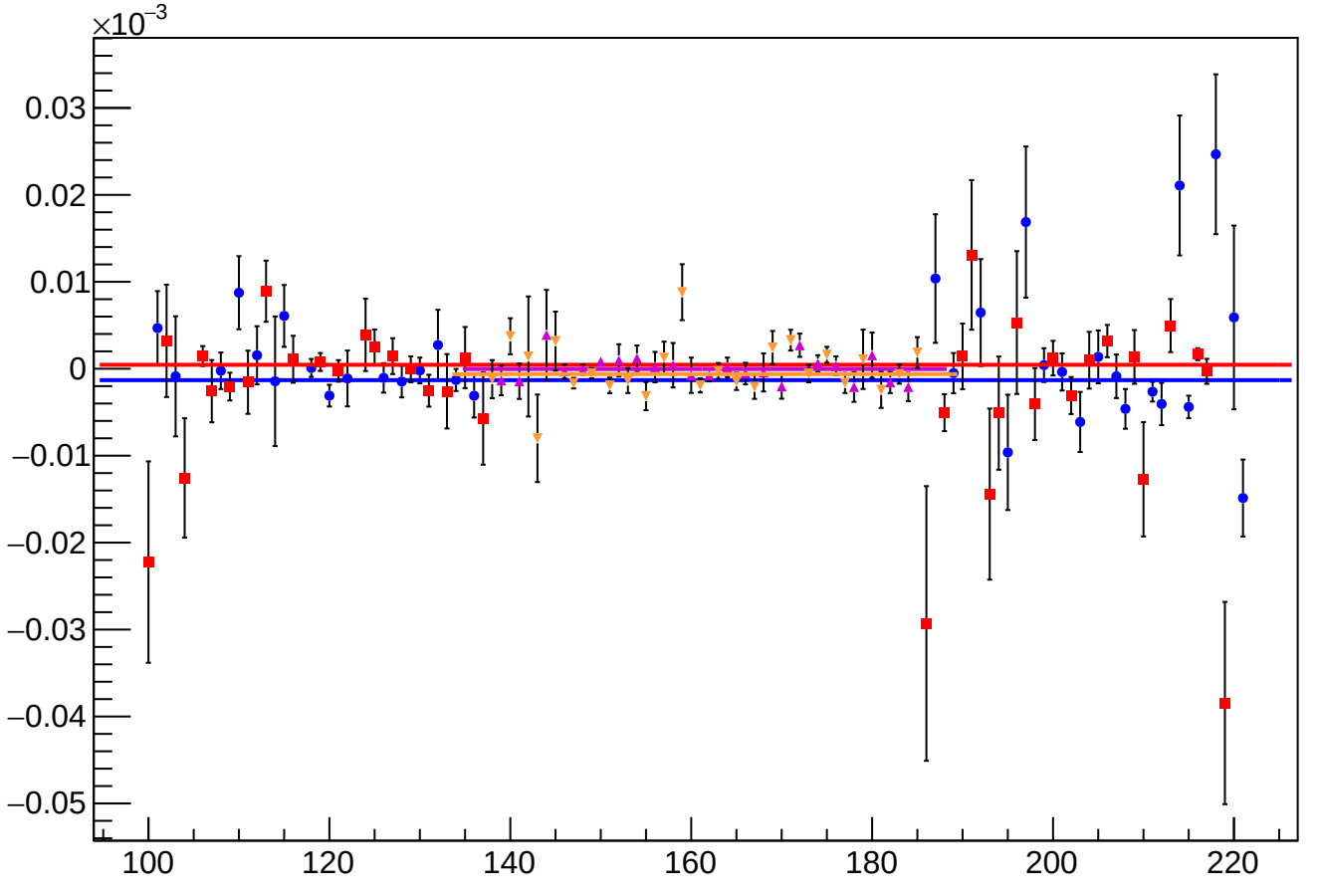
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 75.476+/-0.010 χ^2/NDF: 15132196.6/70

In: 63.244+/-0.008 χ^2/NDF:9249710.4/56

Out: 62.460+/-0.008 χ^2/NDF:10214186.3/61

All: 62.852+/-0.006 χ^2/NDF: 19468328.2/118



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: 67.8/36

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

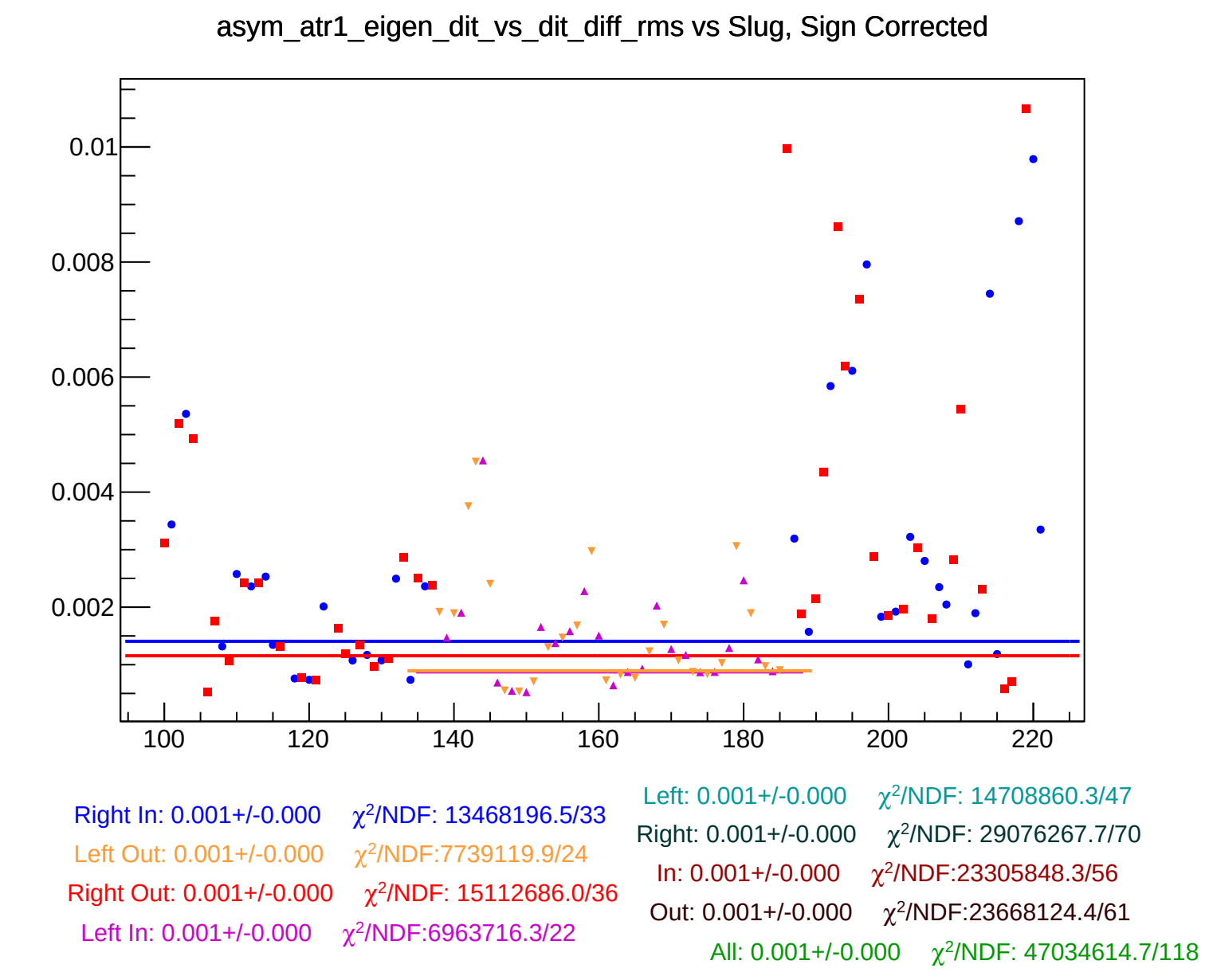
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

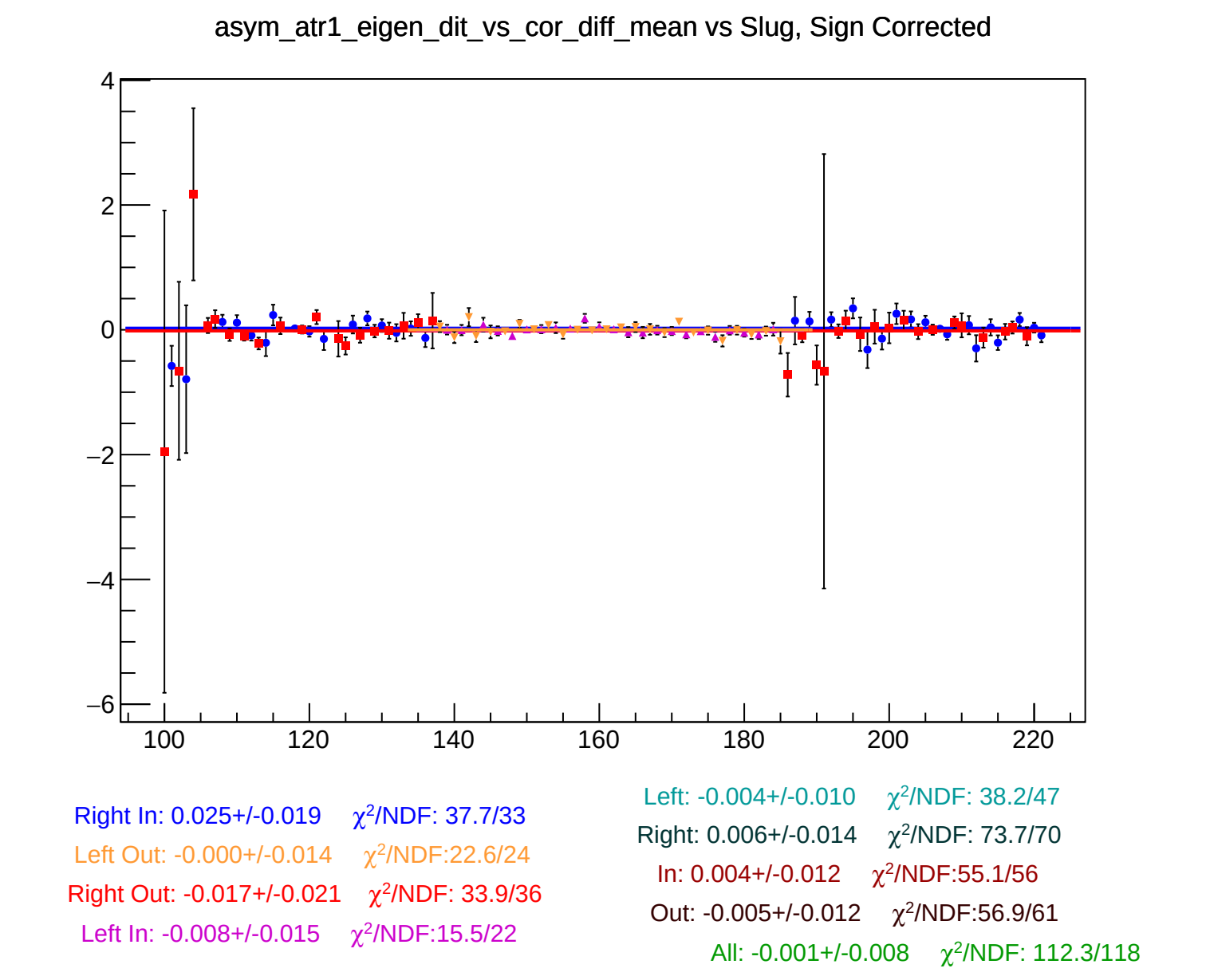
Right: -0.000+/-0.000 χ^2/NDF: 148.9/70

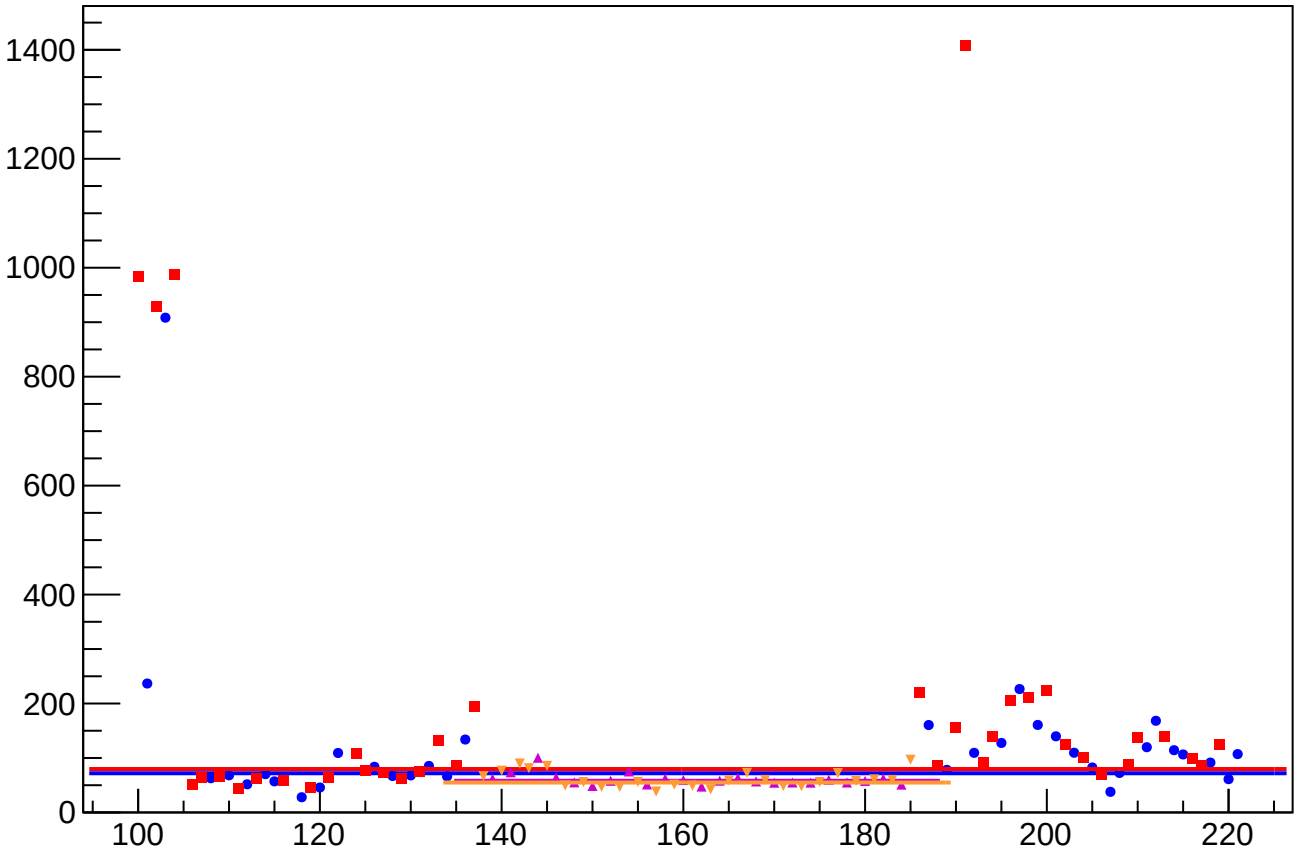
In: -0.000+/-0.000 χ^2/NDF:95.4/56

Out: -0.000+/-0.000 χ^2/NDF:127.4/61

All: -0.000+/-0.000 χ^2/NDF: 223.0/118


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: 15112686.0/36
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: 29076267.7/70
In: 0.001+/-0.000 χ²/NDF:23305848.3/56
Out: 0.001+/-0.000 χ²/NDF:23668124.4/61
All: 0.001+/-0.000 χ²/NDF: 47034614.7/118


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: 33.9/36
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.006+/-0.014 χ²/NDF: 73.7/70
In: 0.004+/-0.012 χ²/NDF:55.1/56
Out: -0.005+/-0.012 χ²/NDF:56.9/61
All: -0.001+/-0.008 χ²/NDF: 112.3/118



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: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

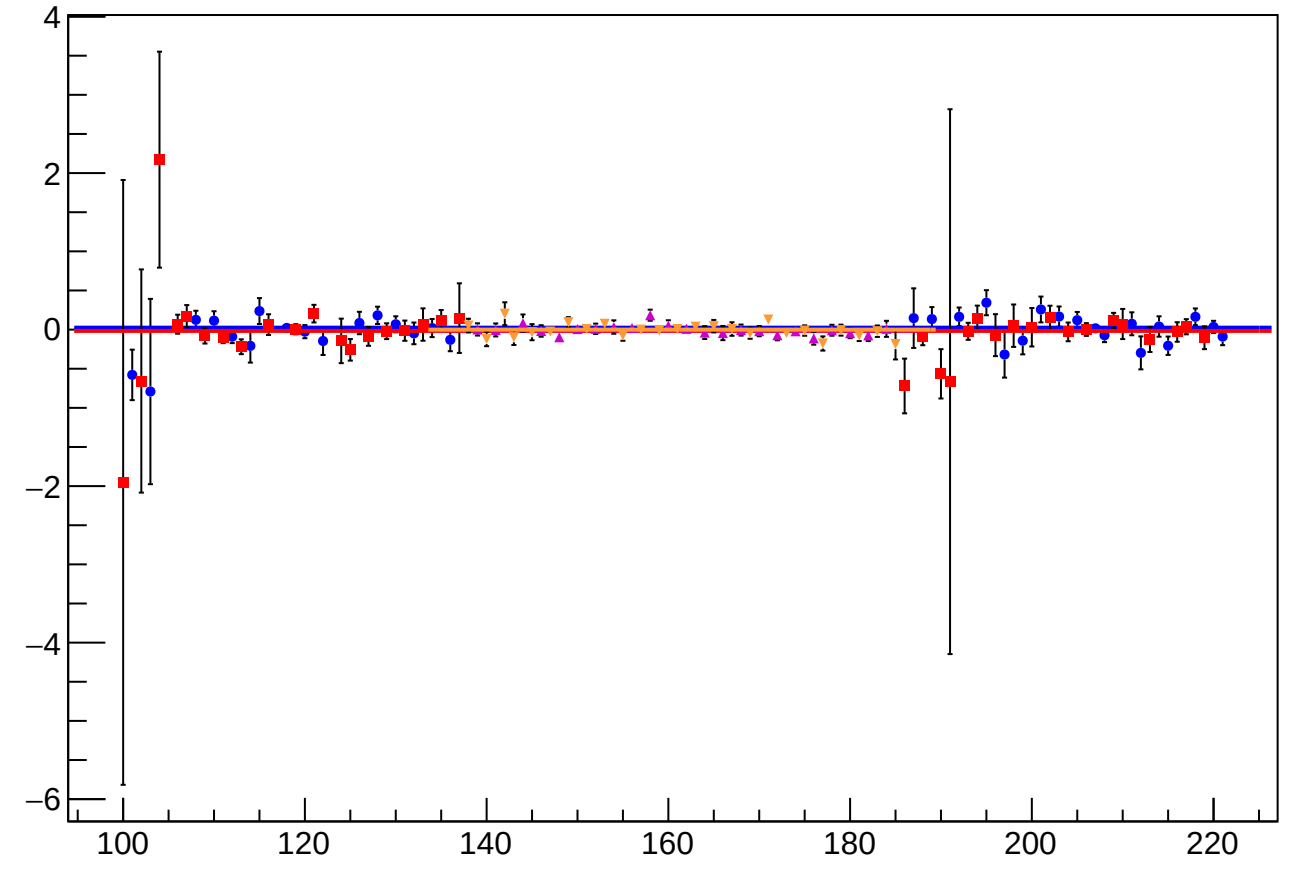
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 75.476+/-0.010 χ^2/NDF: 15132558.8/70

In: 63.244+/-0.008 χ^2/NDF:9249950.9/56

Out: 62.460+/-0.008 χ^2/NDF:10214294.5/61

All: 62.851+/-0.006 χ^2/NDF: 19468677.0/118



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: 33.9/36

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

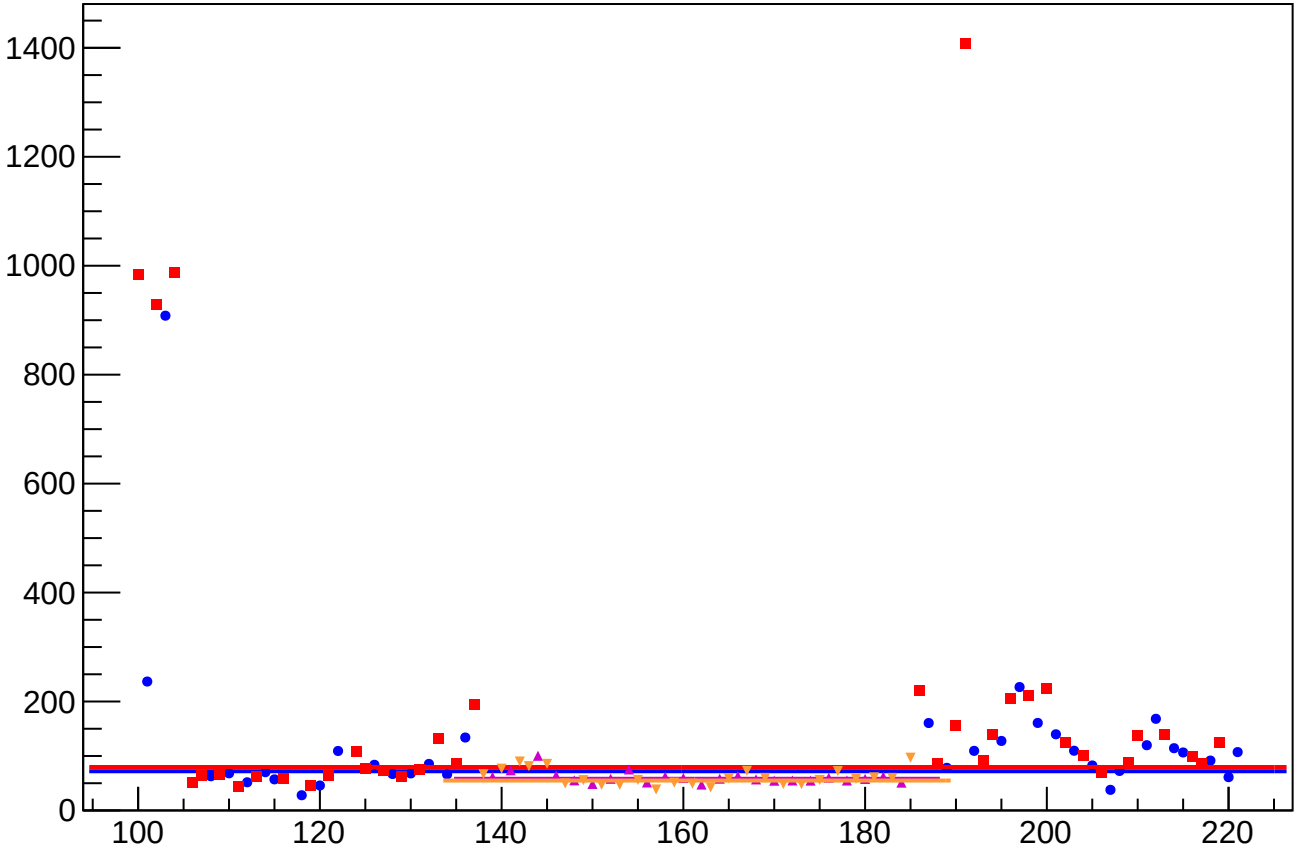
Right: 0.006+/-0.014 χ^2/NDF: 73.7/70

In: 0.004+/-0.012 χ^2/NDF:55.1/56

Out: -0.005+/-0.012 χ^2/NDF:56.9/61

All: -0.001+/-0.008 χ^2/NDF: 112.3/118

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: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

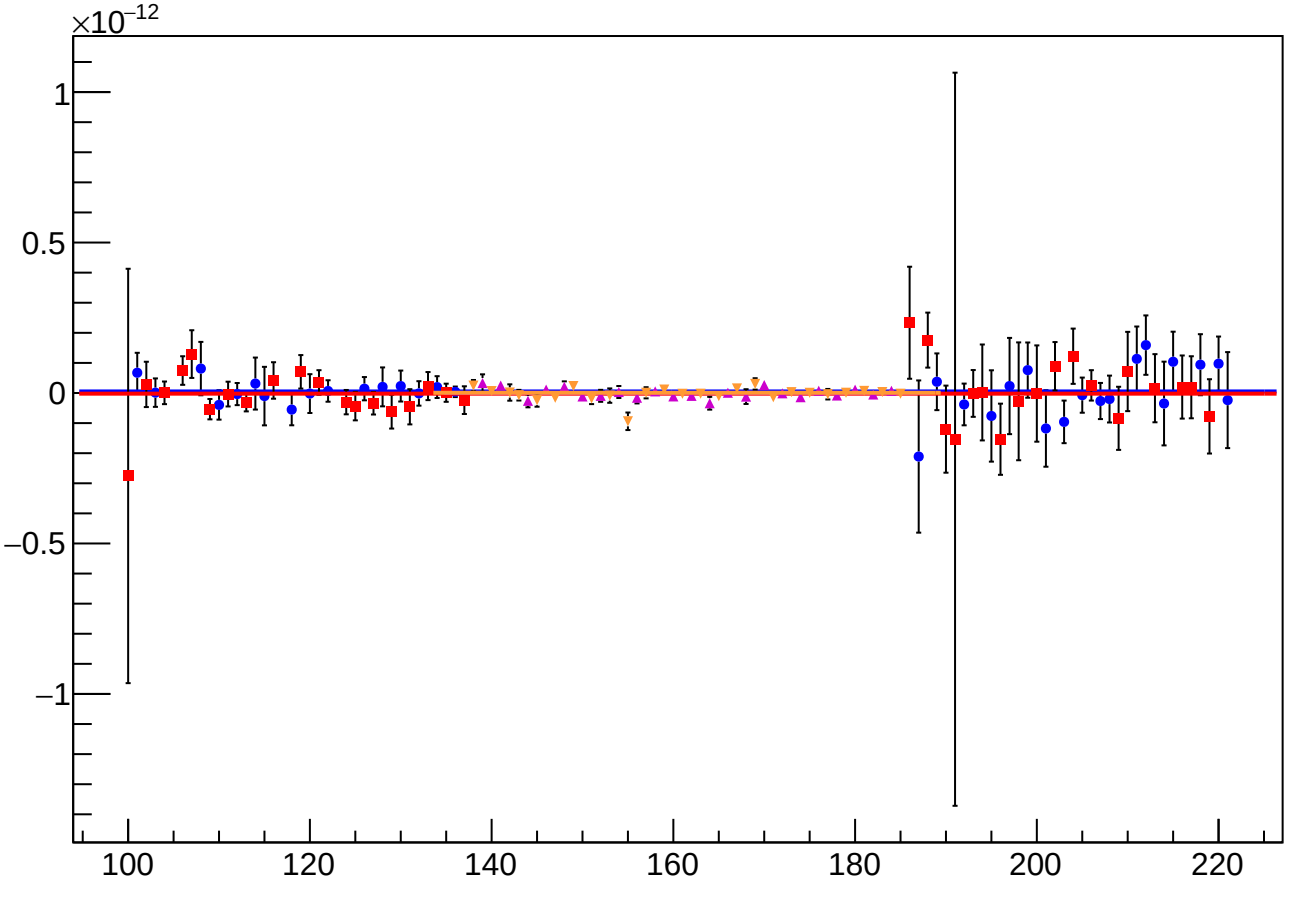
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 75.476+/-0.010 χ^2/NDF: 15132558.8/70

In: 63.244+/-0.008 χ^2/NDF:9249950.9/56

Out: 62.460+/-0.008 χ^2/NDF:10214294.5/61

All: 62.851+/-0.006 χ^2/NDF: 19468677.0/118



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: 28.9/36

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

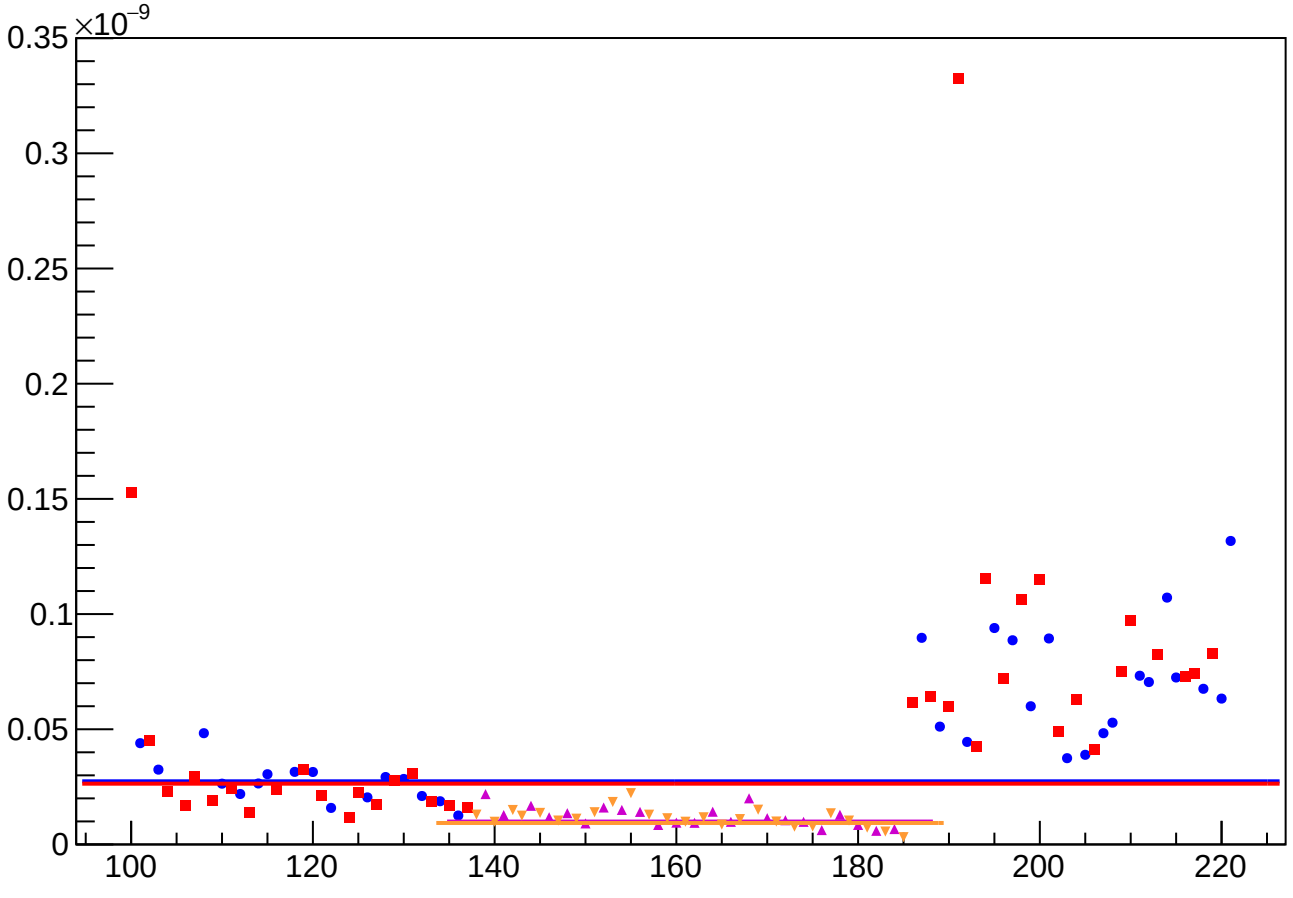
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 45.5/70

In: 0.000+/-0.000 χ^2/NDF:36.8/56

Out: 0.000+/-0.000 χ^2/NDF:54.3/61

All: 0.000+/-0.000 χ^2/NDF: 91.1/118



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: 7585796.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

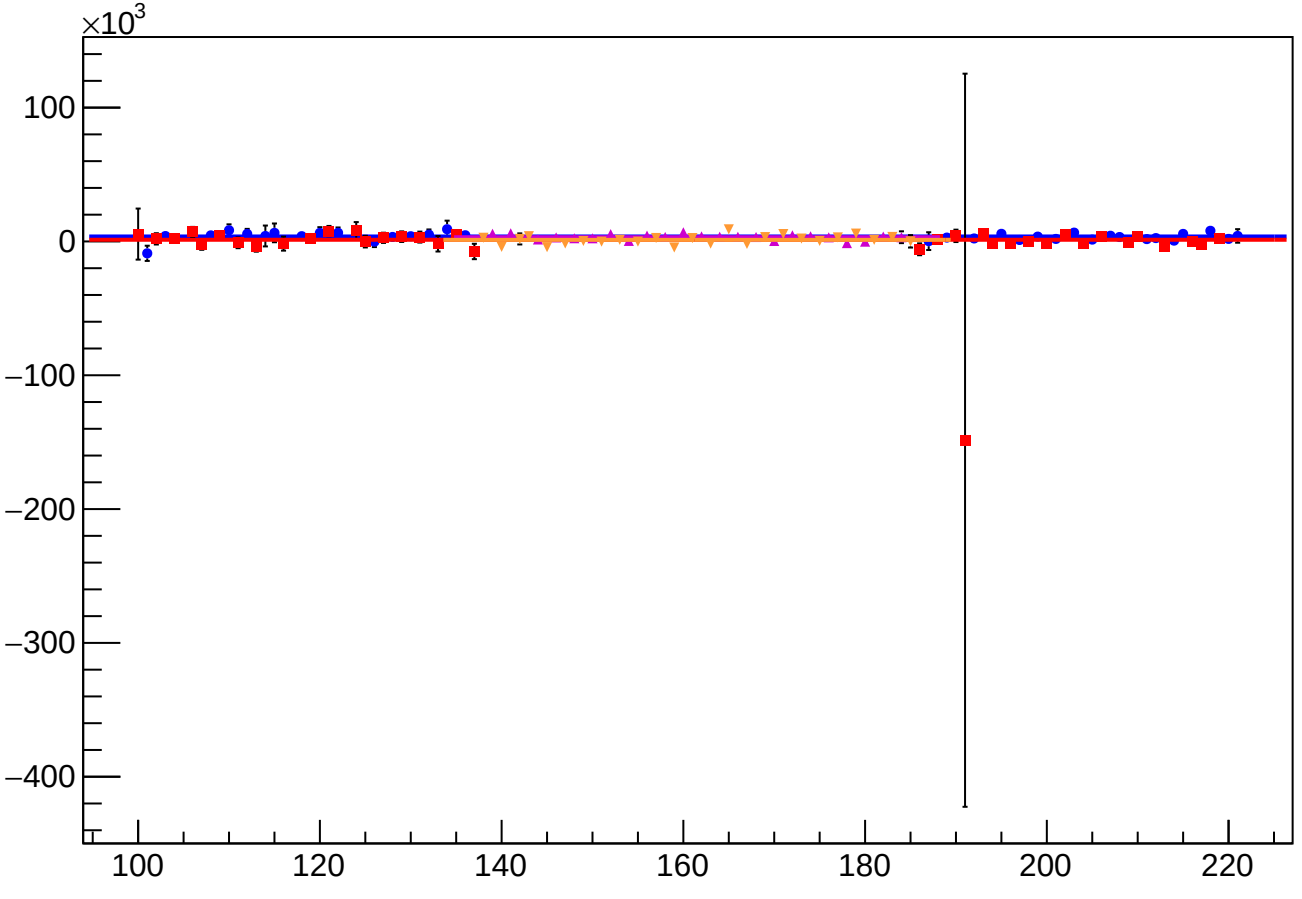
Right: 0.000+/-0.000 χ^2/NDF: 15446863.6/70

In: 0.000+/-0.000 χ^2/NDF:16880218.5/56

Out: 0.000+/-0.000 χ^2/NDF:16785766.4/61

All: 0.000+/-0.000 χ^2/NDF: 33764317.0/118

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: 1252.244+/-583.074 χ^2/NDF: 33.1/36

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

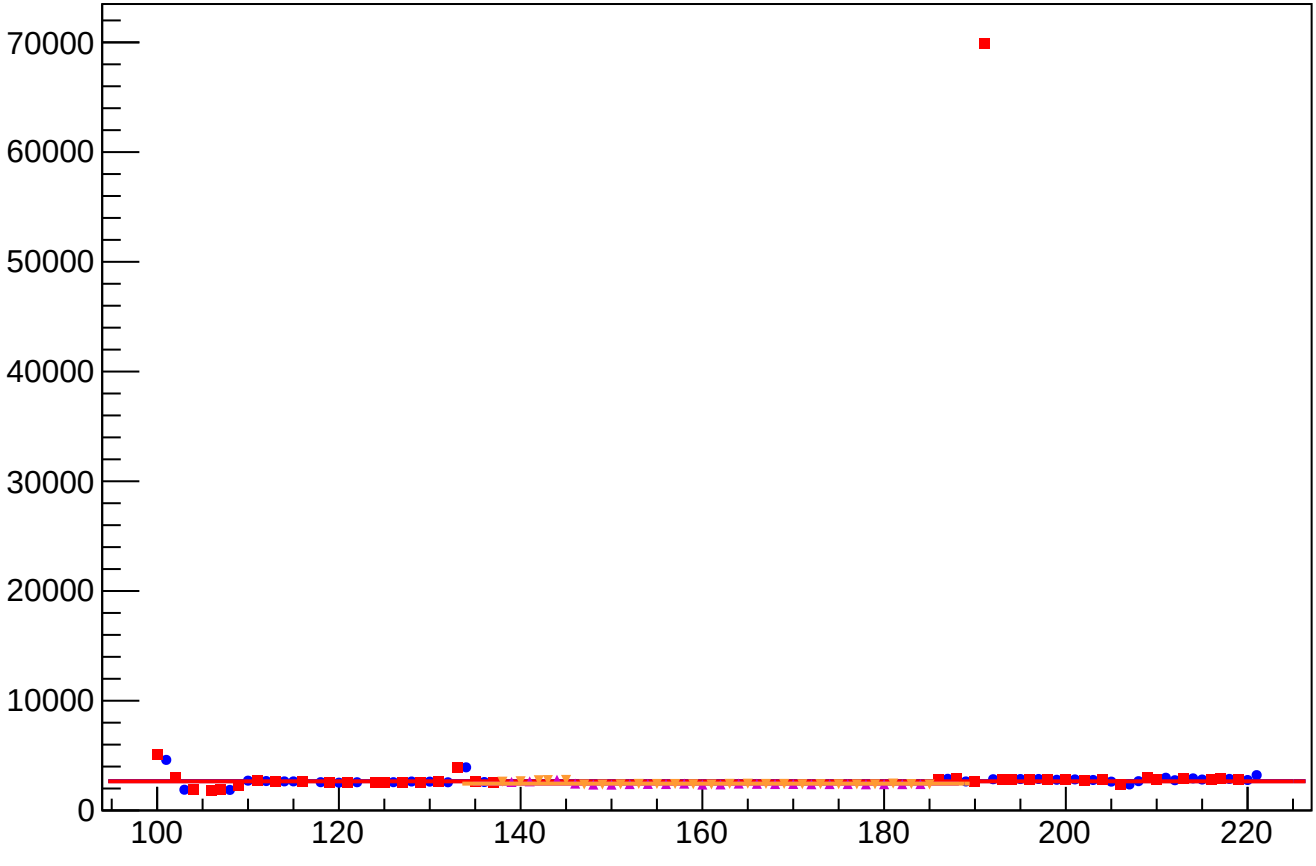
Right: 2483.155+/-412.207 χ^2/NDF: 59.3/70

In: 3423.534+/-407.224 χ^2/NDF:30.4/56

Out: 1219.047+/-402.474 χ^2/NDF:64.3/61

All: 2308.359+/-286.257 χ^2/NDF: 109.5/118

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: 2654.640+/-0.412 χ^2/NDF: 826857.4/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

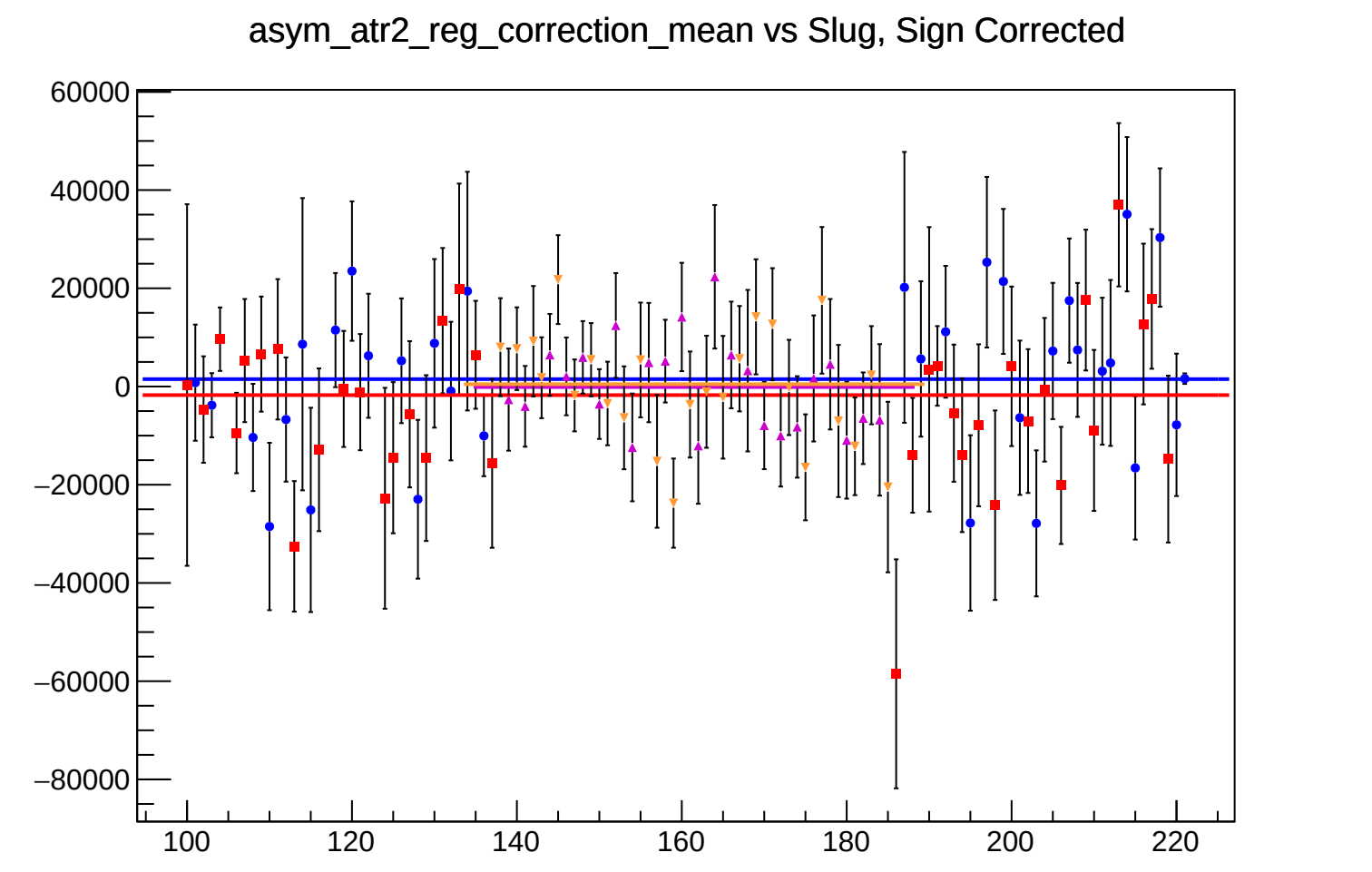
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2664.685+/-0.291 χ^2/NDF: 1635925.5/70

In: 2552.517+/-0.288 χ^2/NDF:1038872.0/56

Out: 2545.318+/-0.285 χ^2/NDF:1051164.6/61

All: 2548.875+/-0.202 χ^2/NDF: 2090352.8/11



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: -1751.778+/-2189.805 χ^2/NDF: 39.7/36

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

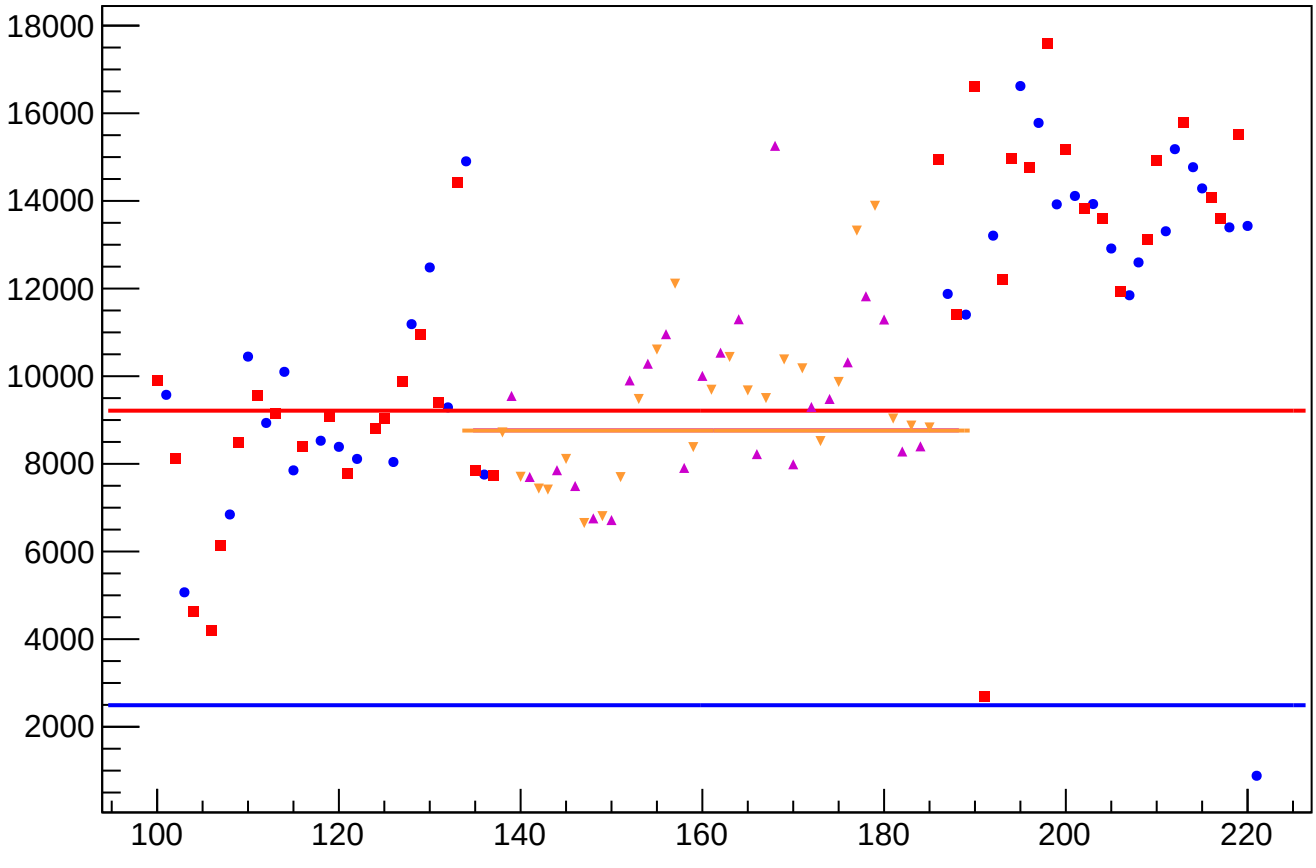
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: 963.486+/-891.809 χ^2/NDF: 81.3/70

In: 1215.415+/-884.732 χ^2/NDF:54.7/56

Out: -556.259+/-1491.069 χ^2/NDF:67.7/61

All: 754.083+/-760.873 χ^2/NDF: 123.5/118



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: 9213.718+/-1.548 χ^2/NDF: 6812899.1/36

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

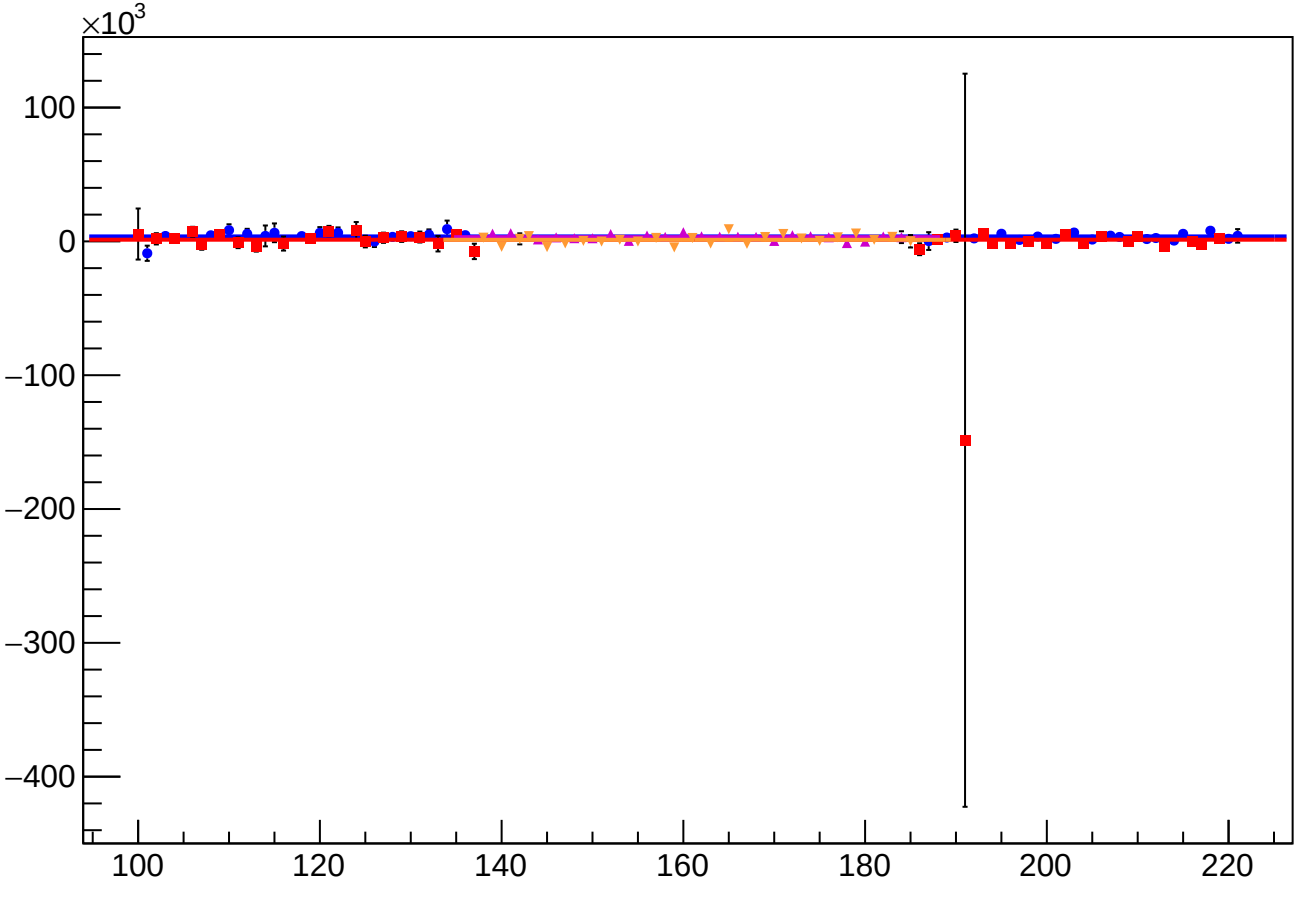
Right: 3607.156+/-0.631 χ^2/NDF: 52726624.5/70

In: 3615.289+/-0.626 χ^2/NDF:46261123.9/56

Out: 8970.168+/-1.054 χ^2/NDF:8081262.9/61

All: 5009.664+/-0.538 χ^2/NDF: 73420502.5/1

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: 1252.564+/-583.076 χ^2/NDF: 33.1/36

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

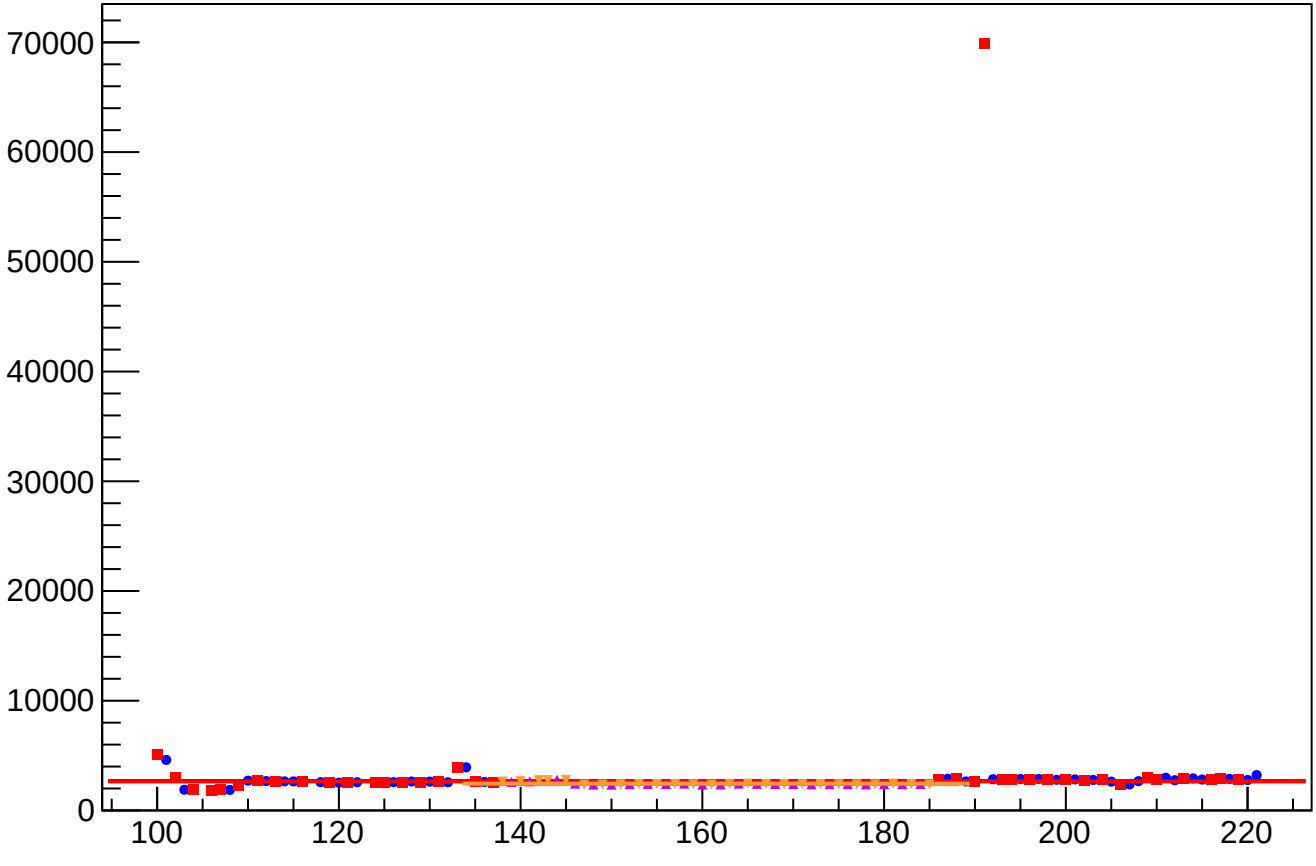
Right: 2483.245+/-412.207 χ^2/NDF: 59.3/70

In: 3423.361+/-407.224 χ^2/NDF:30.4/56

Out: 1219.111+/-402.475 χ^2/NDF:64.3/61

All: 2308.308+/-286.257 χ^2/NDF: 109.5/118

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: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

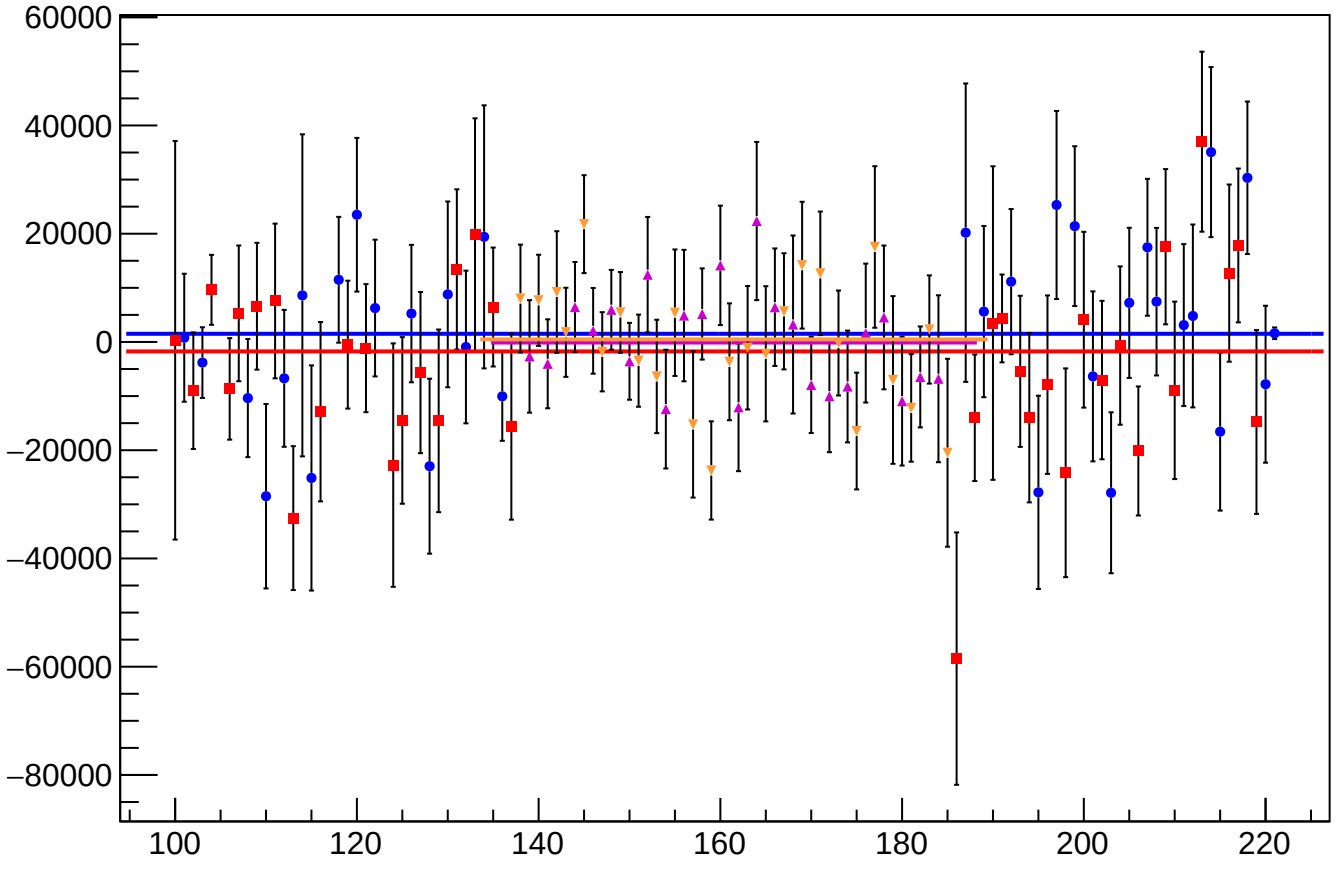
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2664.690+/-0.291 χ^2/NDF: 1635841.8/70

In: 2552.517+/-0.288 χ^2/NDF:1038869.5/56

Out: 2545.323+/-0.285 χ^2/NDF:1051098.8/61

All: 2548.878+/-0.202 χ^2/NDF: 2090284.2/11



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: -1746.945+/-2208.167 χ^2/NDF: 39.8/36

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

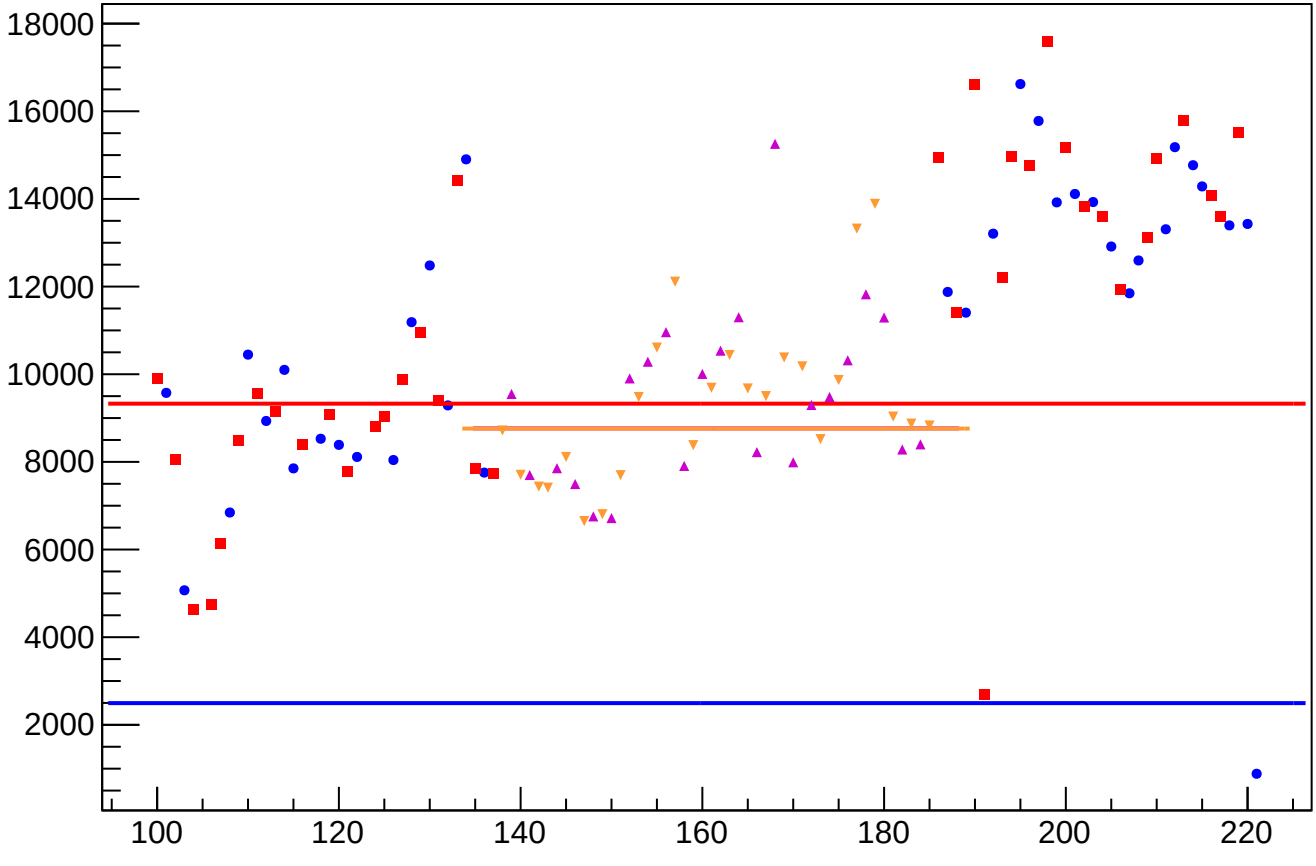
Right: 976.703+/-893.564 χ^2/NDF: 81.4/70

In: 1220.540+/-885.245 χ^2/NDF:54.7/56

Out: -544.780+/-1496.826 χ^2/NDF:67.7/61

All: 763.086+/-761.962 χ^2/NDF: 123.5/118

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: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

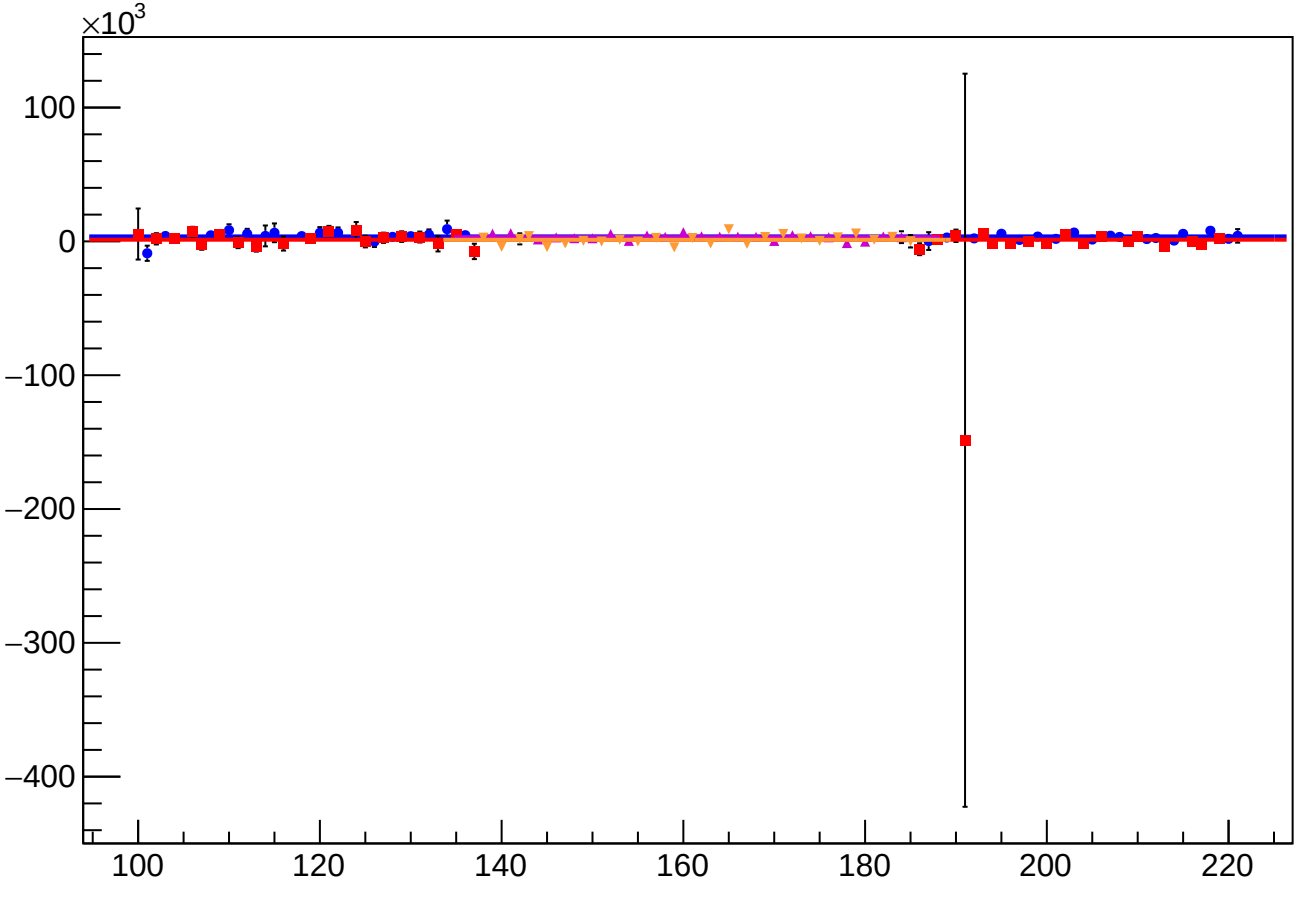
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 3614.361+/-0.632 χ^2/NDF: 52707034.9/70

In: 3619.138+/-0.626 χ^2/NDF:46229546.3/56

Out: 9020.904+/-1.058 χ^2/NDF:7803730.7/61

All: 5018.920+/-0.539 χ^2/NDF: 73330691.6/1



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: 1252.564+/-583.076 χ^2/NDF: 33.1/36

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

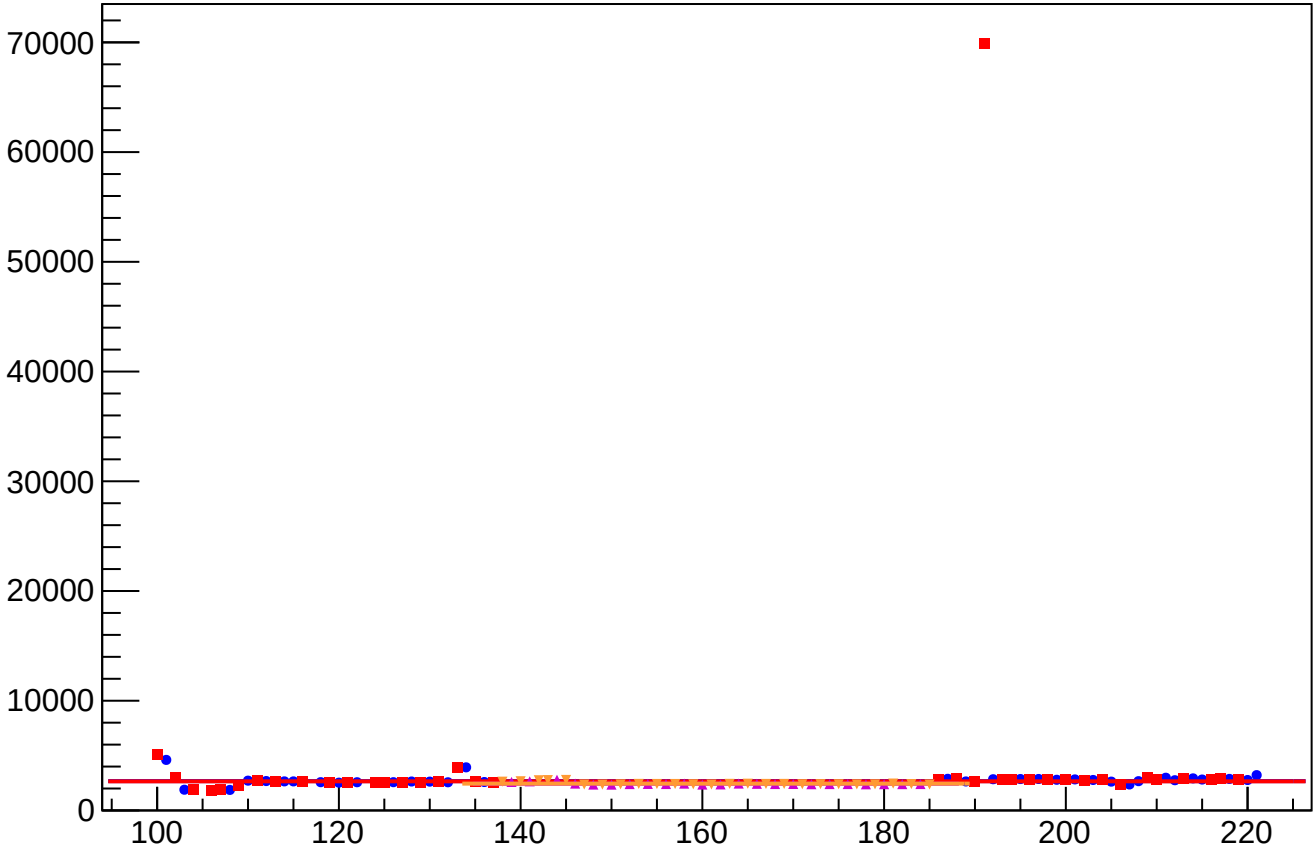
Right: 2483.245+/-412.207 χ^2/NDF: 59.3/70

In: 3423.361+/-407.224 χ^2/NDF:30.4/56

Out: 1219.111+/-402.475 χ^2/NDF:64.3/61

All: 2308.308+/-286.257 χ^2/NDF: 109.5/118

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: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

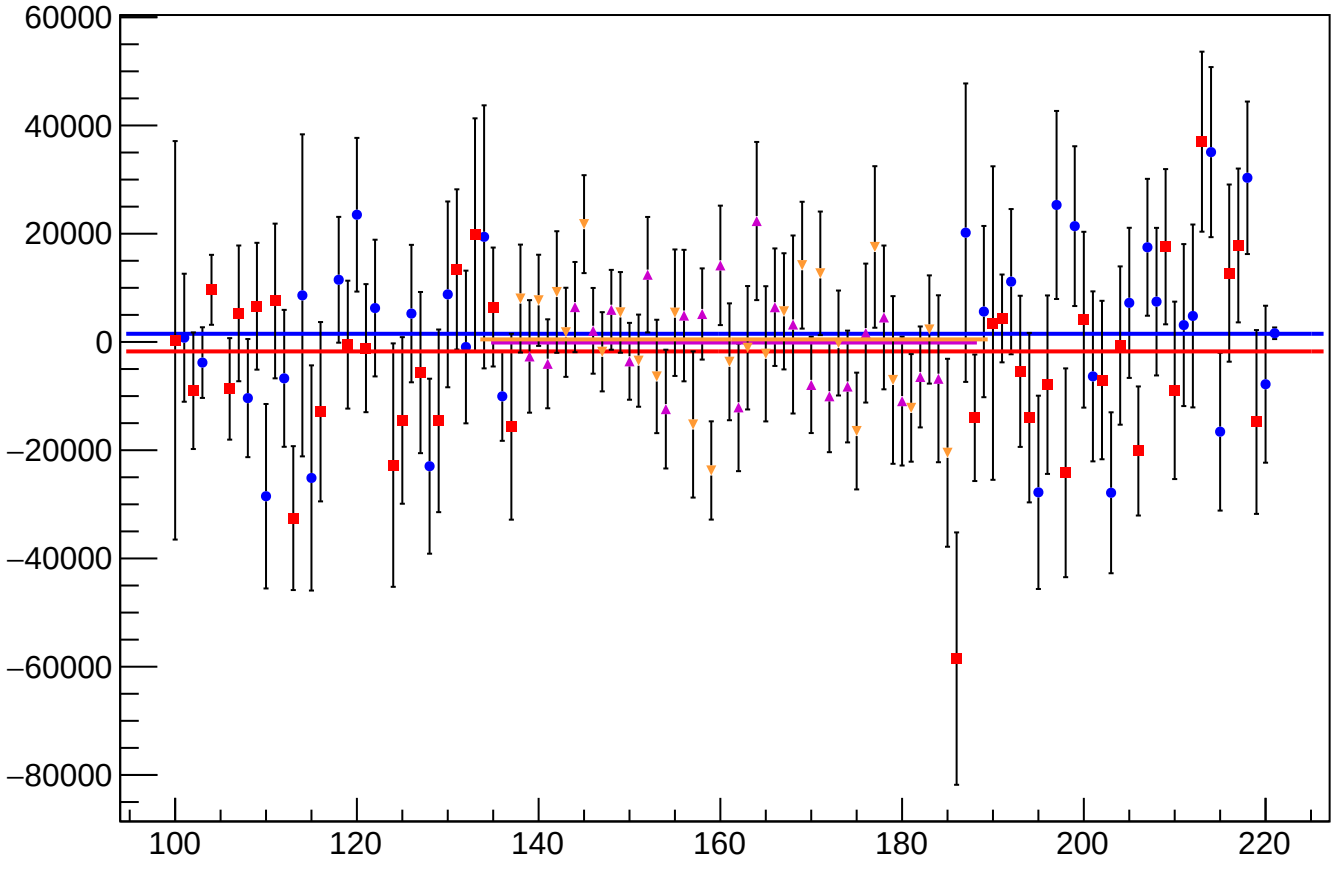
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2664.690+/-0.291 χ^2/NDF: 1635841.8/70

In: 2552.517+/-0.288 χ^2/NDF:1038869.5/56

Out: 2545.323+/-0.285 χ^2/NDF:1051098.8/61

All: 2548.878+/-0.202 χ^2/NDF: 2090284.2/11



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: -1746.945+/-2208.167 χ^2/NDF: 39.8/36

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

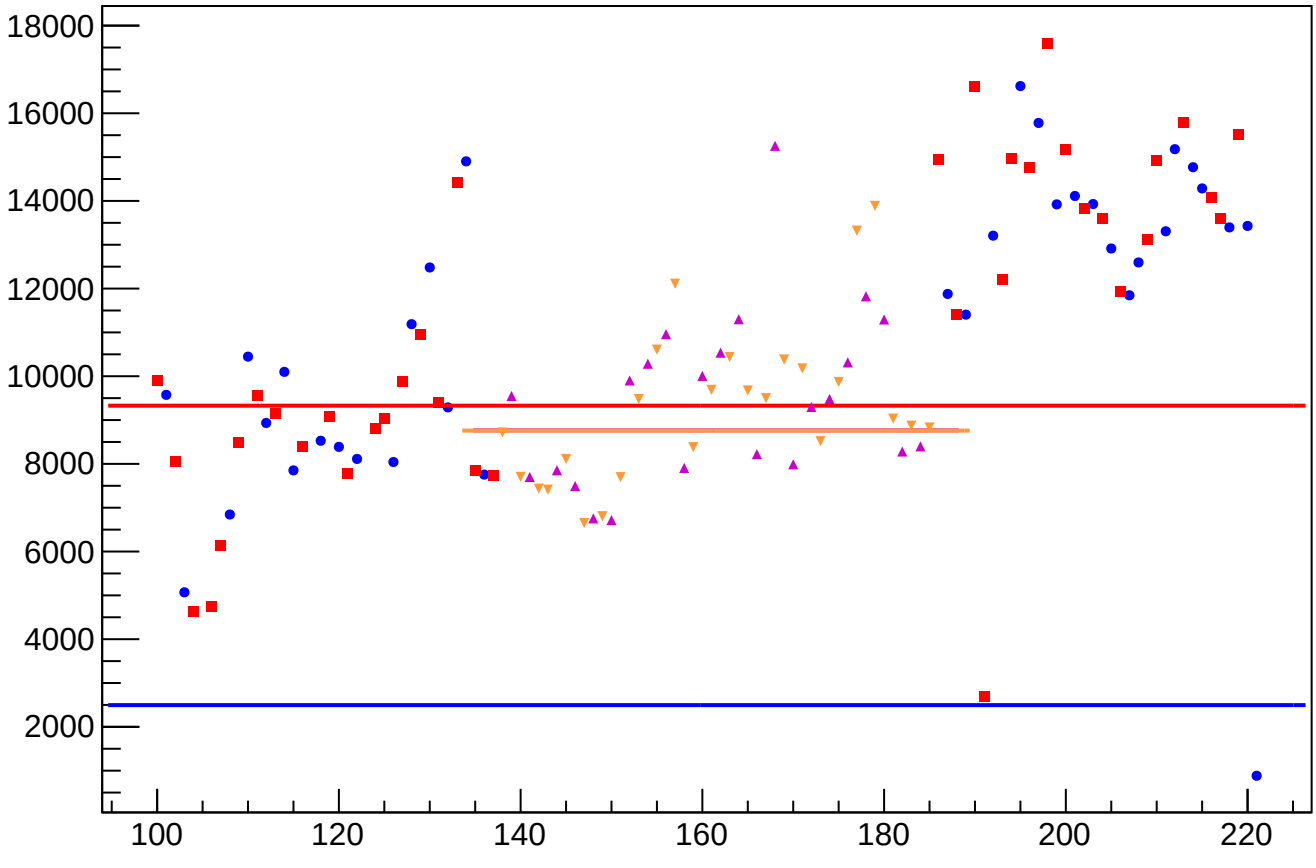
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: 976.703+/-893.564 χ^2/NDF: 81.4/70

In: 1220.540+/-885.245 χ^2/NDF:54.7/56

Out: -544.780+/-1496.826 χ^2/NDF:67.7/61

All: 763.086+/-761.962 χ^2/NDF: 123.5/118



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: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

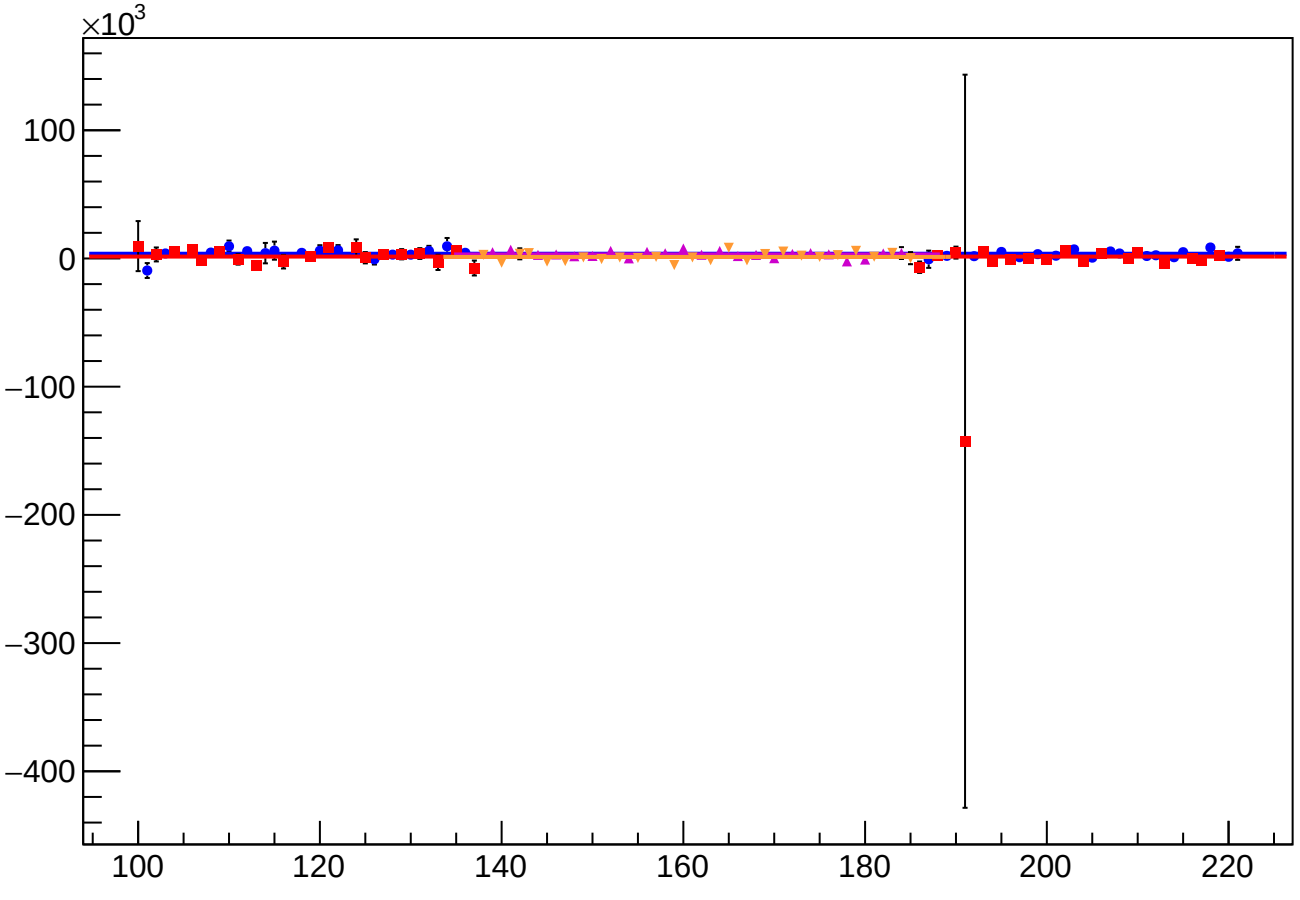
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 3614.361+/-0.632 χ^2/NDF: 52707034.9/70

In: 3619.138+/-0.626 χ^2/NDF:46229546.3/56

Out: 9020.904+/-1.058 χ^2/NDF:7803730.7/61

All: 5018.920+/-0.539 χ^2/NDF: 73330691.6/



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: 1478.841+/-599.605 χ^2/NDF: 37.3/36

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

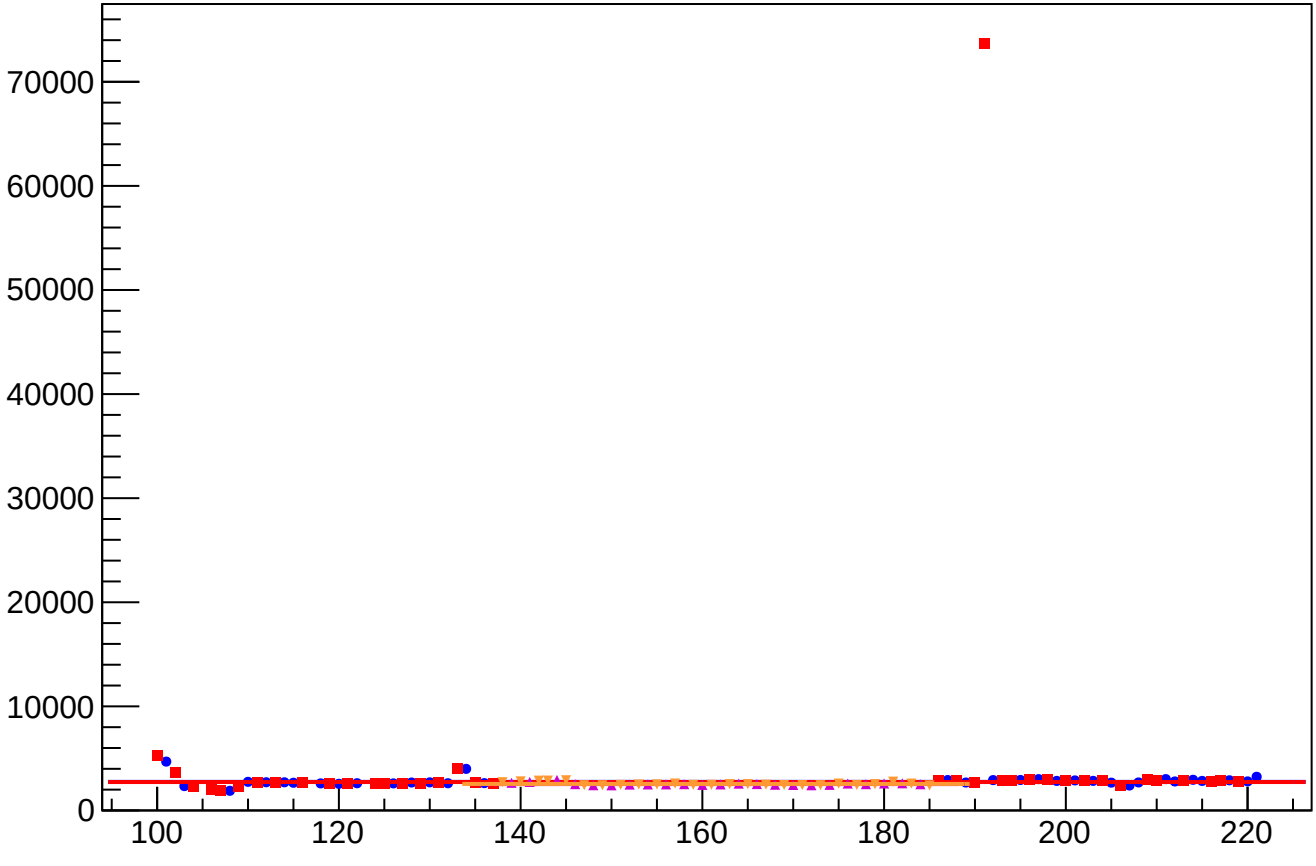
Right: 2591.960+/-423.112 χ^2/NDF: 64.1/70

In: 3420.803+/-420.455 χ^2/NDF:36.8/56

Out: 1341.885+/-416.767 χ^2/NDF:64.2/61

All: 2372.185+/-295.994 χ^2/NDF: 113.4/118

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: 2729.871+/-0.424 χ^2/NDF: 708218.7/36

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

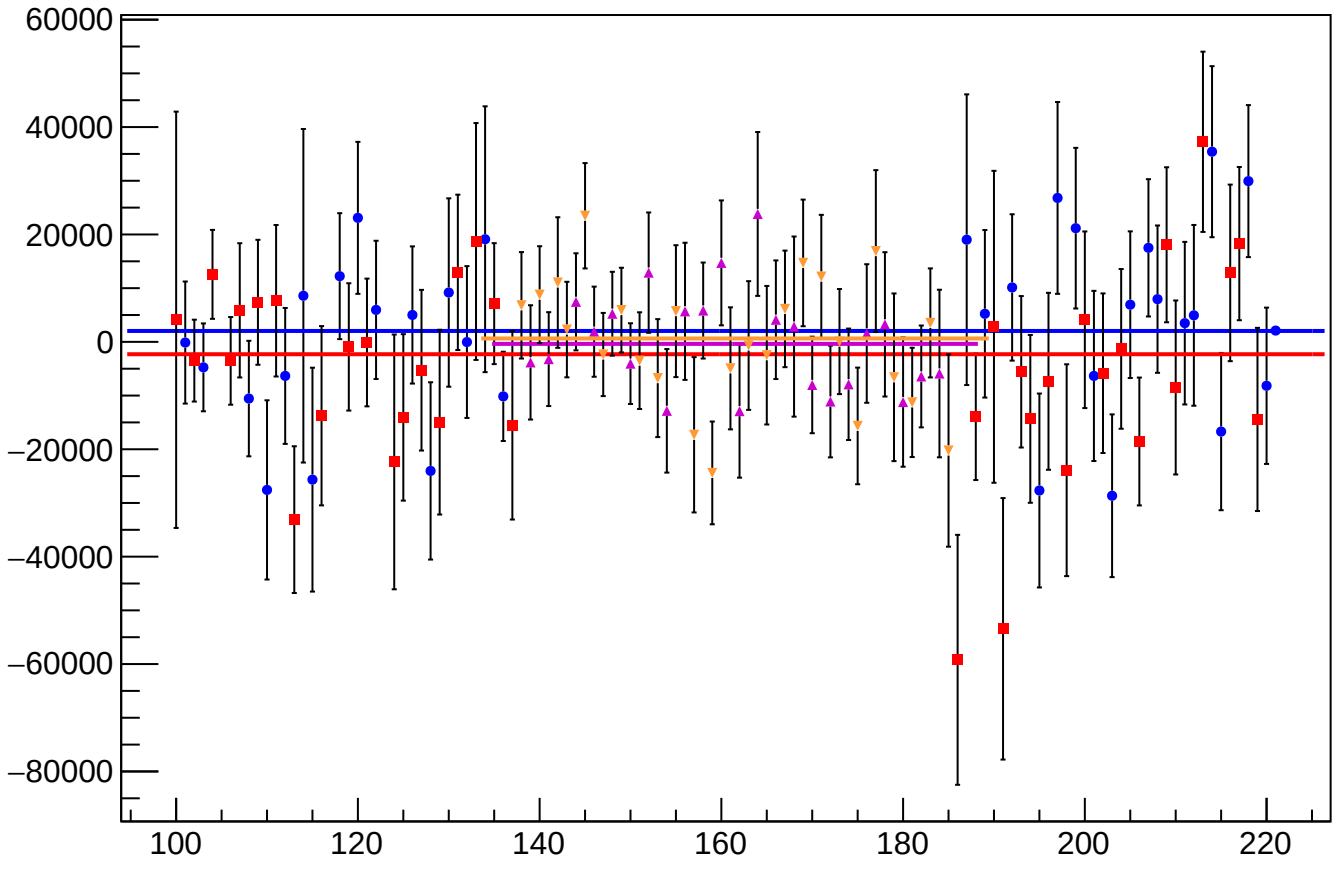
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

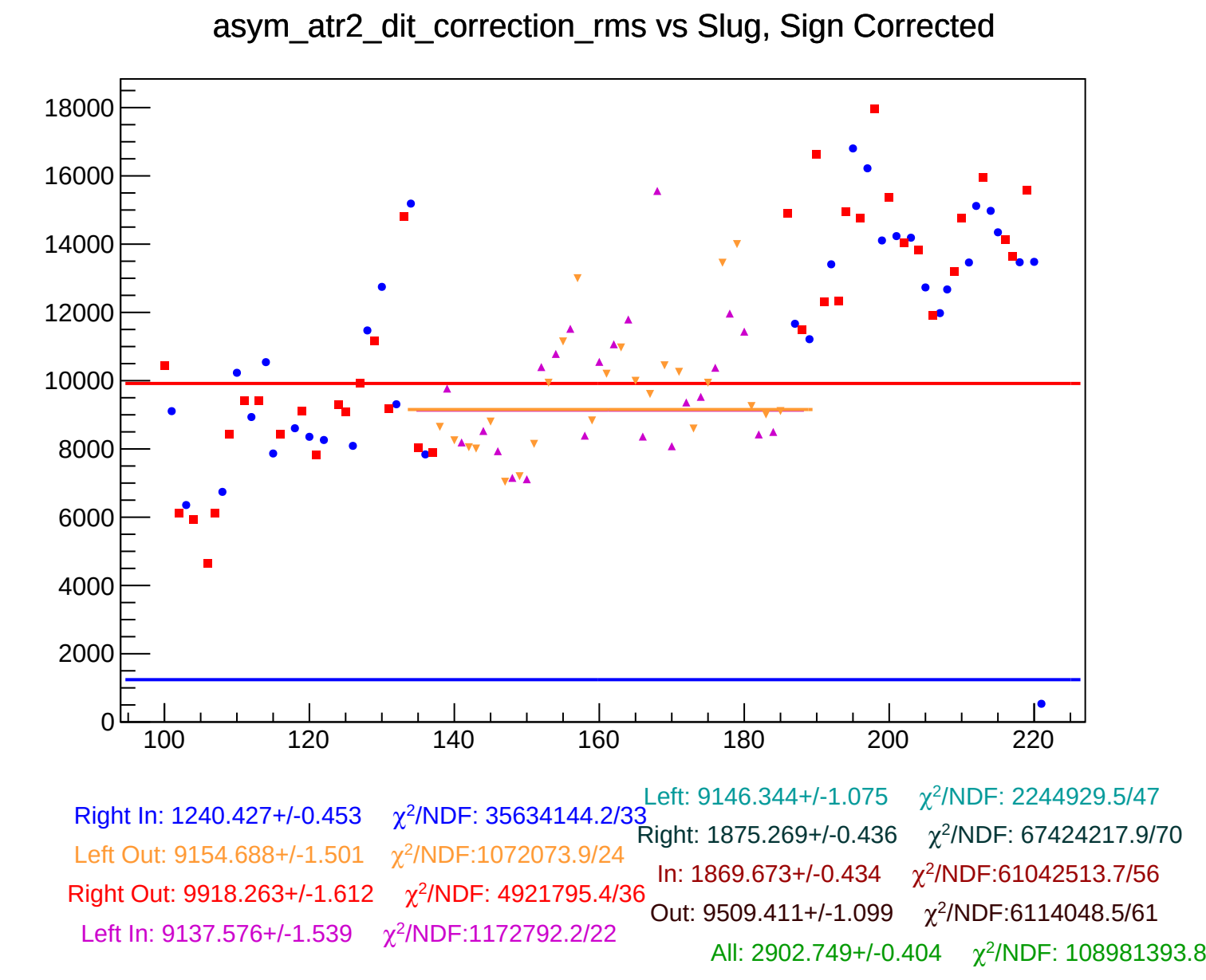
Right: 2737.715+/-0.299 χ^2/NDF: 1348559.0/70

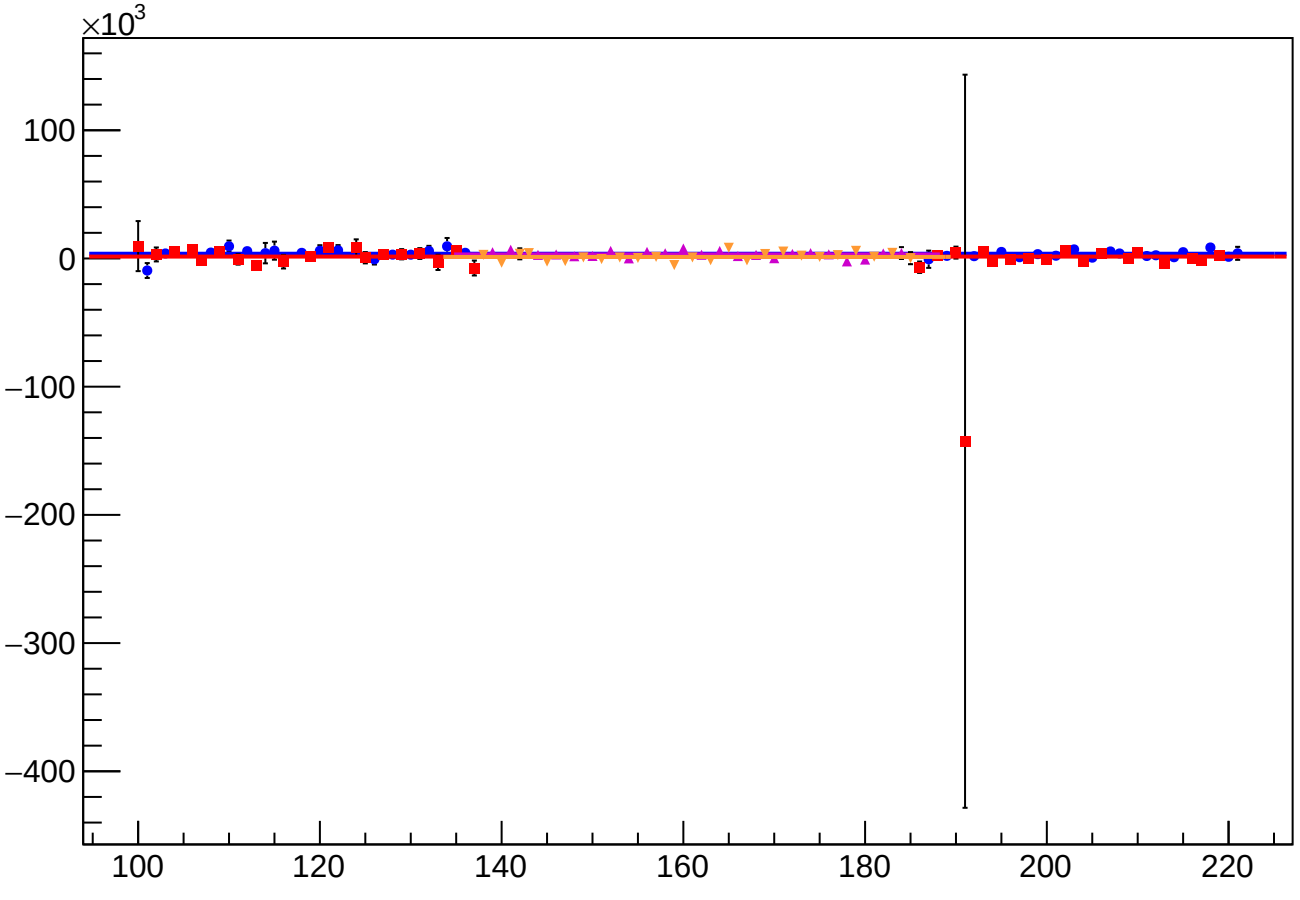
In: 2638.236+/-0.297 χ^2/NDF:836079.7/56

Out: 2635.449+/-0.295 χ^2/NDF:921533.6/61

All: 2636.830+/-0.209 χ^2/NDF: 1757657.7/11


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 2031.166+/-640.374 χ²/NDF: 39.6/33
Left Out: 631.360+/-2123.101 χ²/NDF:26.7/24
Right Out: -2301.156+/-2279.343 χ²/NDF: 42.2/36
Left In: -377.922+/-2176.347 χ²/NDF:14.2/22
Left: 139.216+/-1519.735 χ²/NDF: 41.0/47
Right: 1714.227+/-616.506 χ²/NDF: 85.2/70
In: 1839.209+/-614.332 χ²/NDF:55.0/56
Out: -730.954+/-1553.560 χ²/NDF:69.8/61
All: 1491.661+/-571.288 χ²/NDF: 127.1/118


asym_atr2_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: 1240.427+/-0.453 χ²/NDF: 35634144.2/33
Left Out: 9154.688+/-1.501 χ²/NDF:1072073.9/24
Right Out: 9918.263+/-1.612 χ²/NDF: 4921795.4/36
Left In: 9137.576+/-1.539 χ²/NDF:1172792.2/22
Left: 9146.344+/-1.075 χ²/NDF: 2244929.5/47
Right: 1875.269+/-0.436 χ²/NDF: 67424217.9/70
In: 1869.673+/-0.434 χ²/NDF:61042513.7/56
Out: 9509.411+/-1.099 χ²/NDF:6114048.5/61
All: 2902.749+/-0.404 χ²/NDF: 108981393.8



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: 1478.844+/-599.605 χ^2/NDF: 37.3/36

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

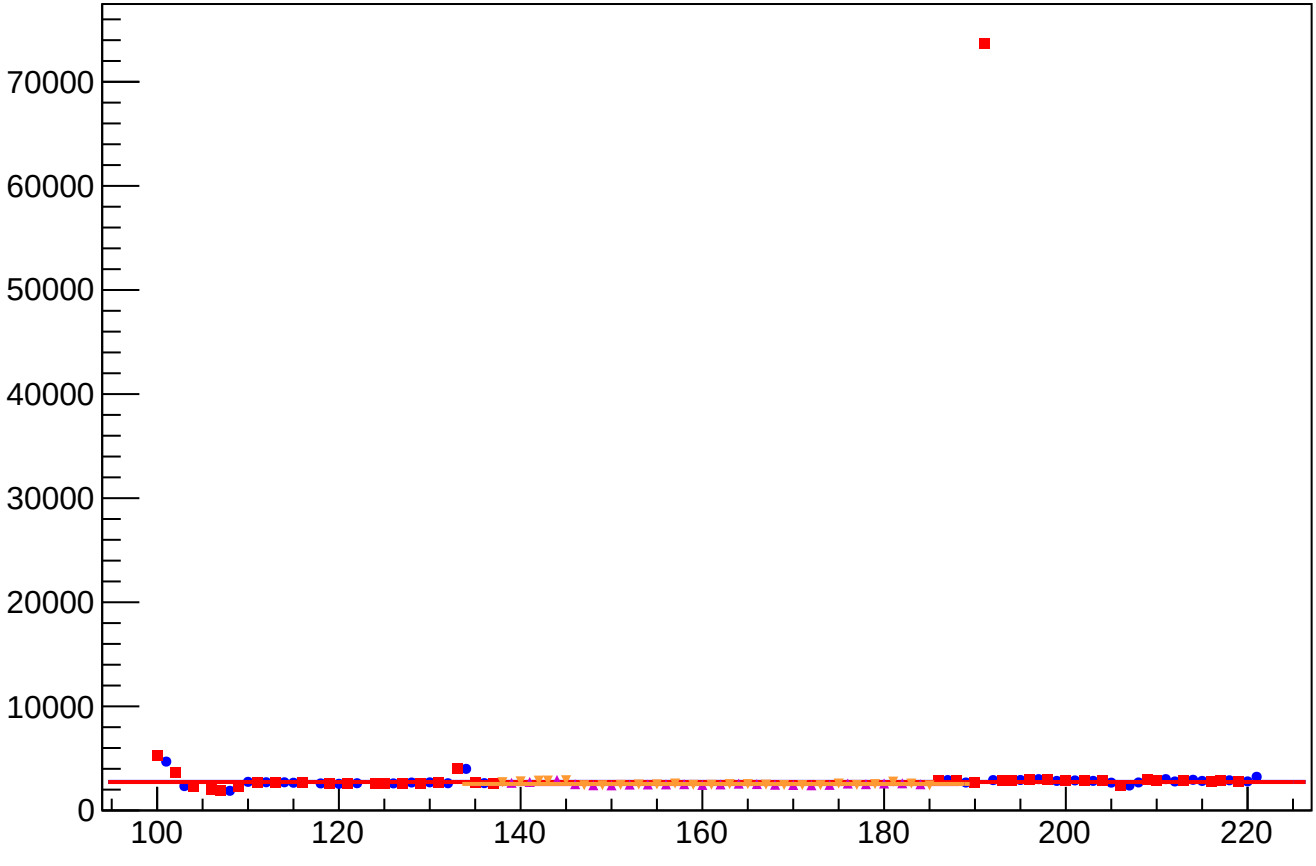
Right: 2591.956+/-423.112 χ^2/NDF: 64.1/70

In: 3420.797+/-420.455 χ^2/NDF:36.8/56

Out: 1341.881+/-416.767 χ^2/NDF:64.2/61

All: 2372.180+/-295.994 χ^2/NDF: 113.4/118

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: 2729.871+/-0.424 χ^2/NDF: 708218.6/36

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

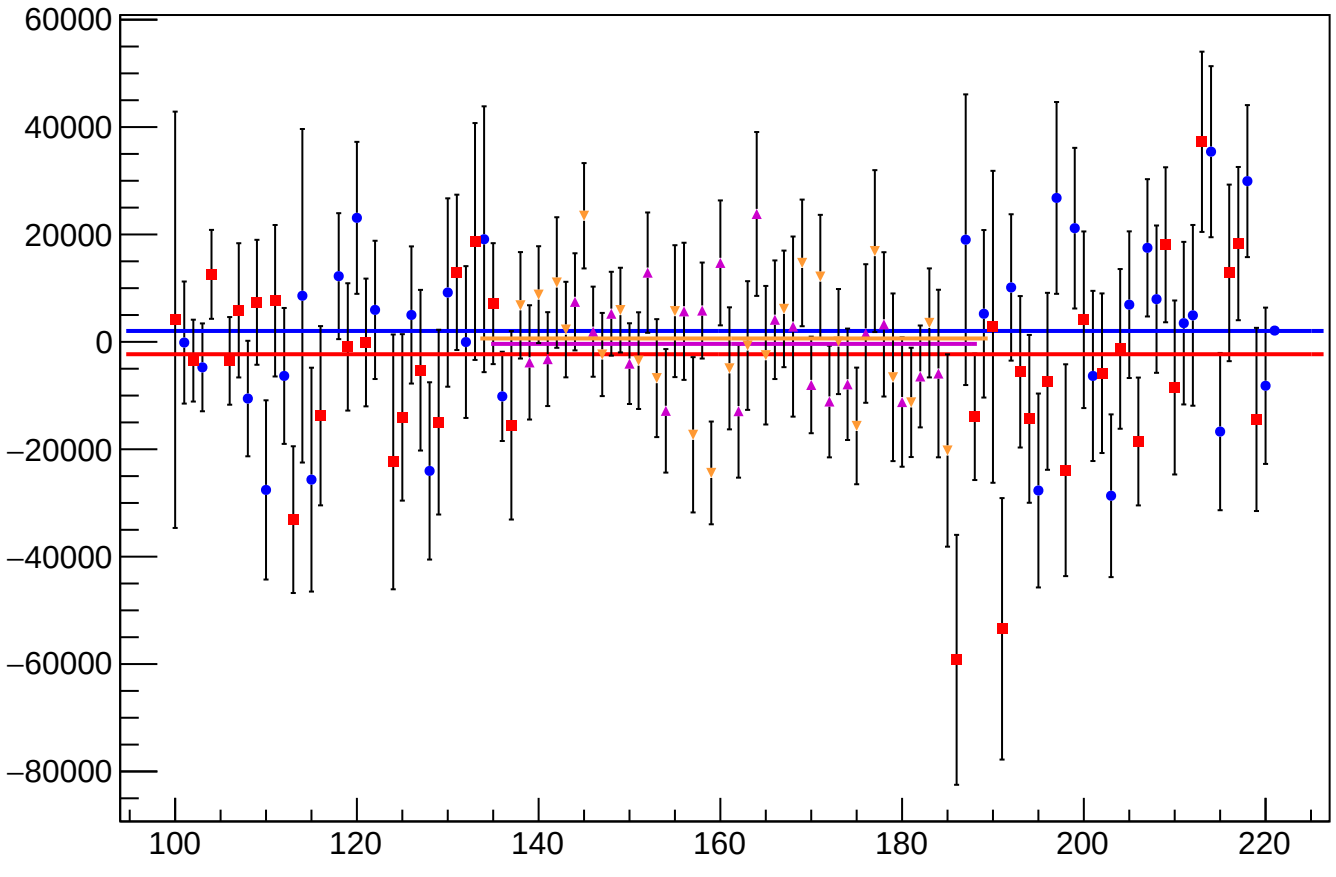
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2737.715+/-0.299 χ^2/NDF: 1348559.8/70

In: 2638.237+/-0.297 χ^2/NDF:836077.7/56

Out: 2635.450+/-0.295 χ^2/NDF:921531.8/61

All: 2636.831+/-0.209 χ^2/NDF: 1757653.8/11



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: -2301.148+/-2279.342 χ^2/NDF: 42.2/36

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

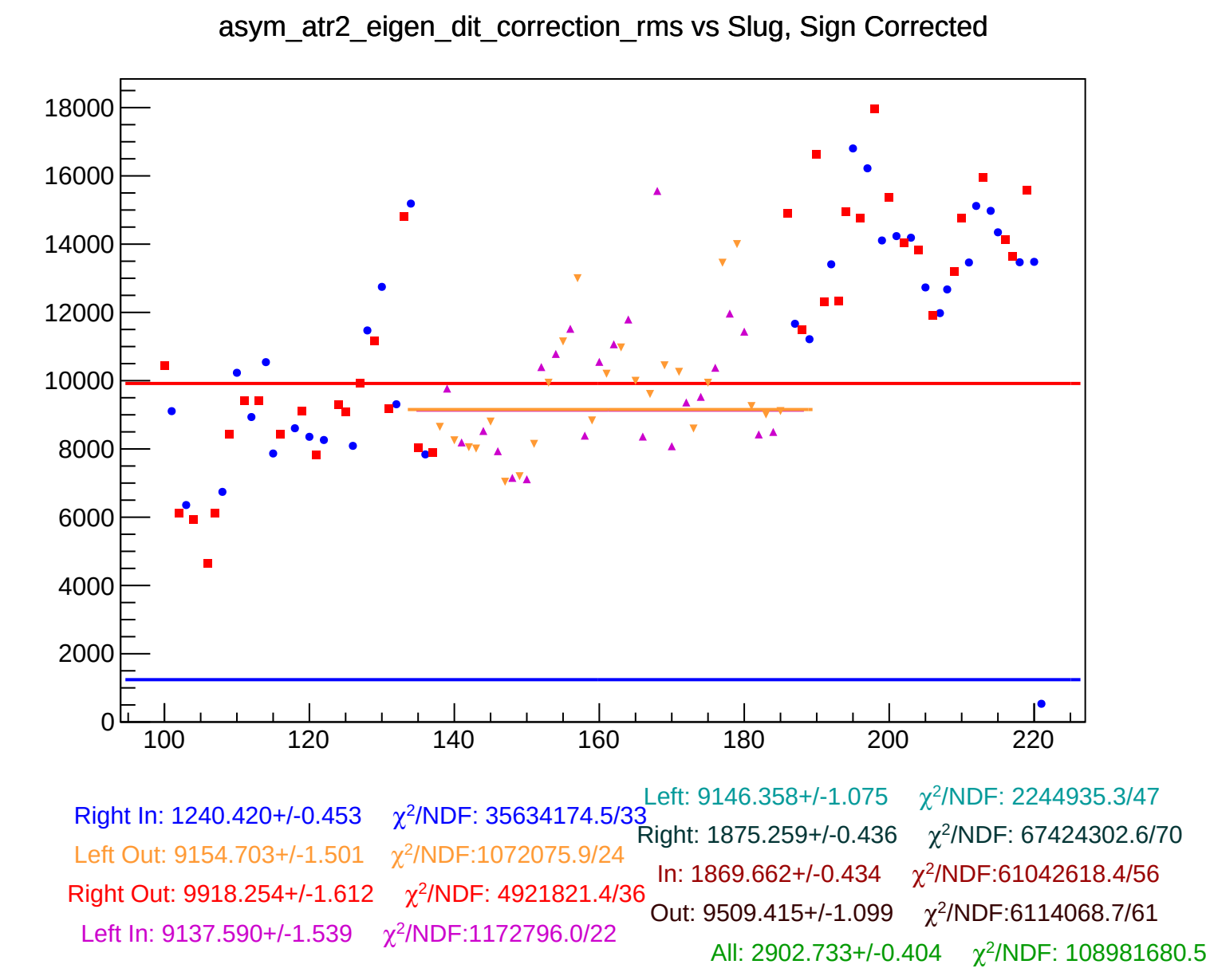
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: 1714.223+/-616.504 χ^2/NDF: 85.2/70

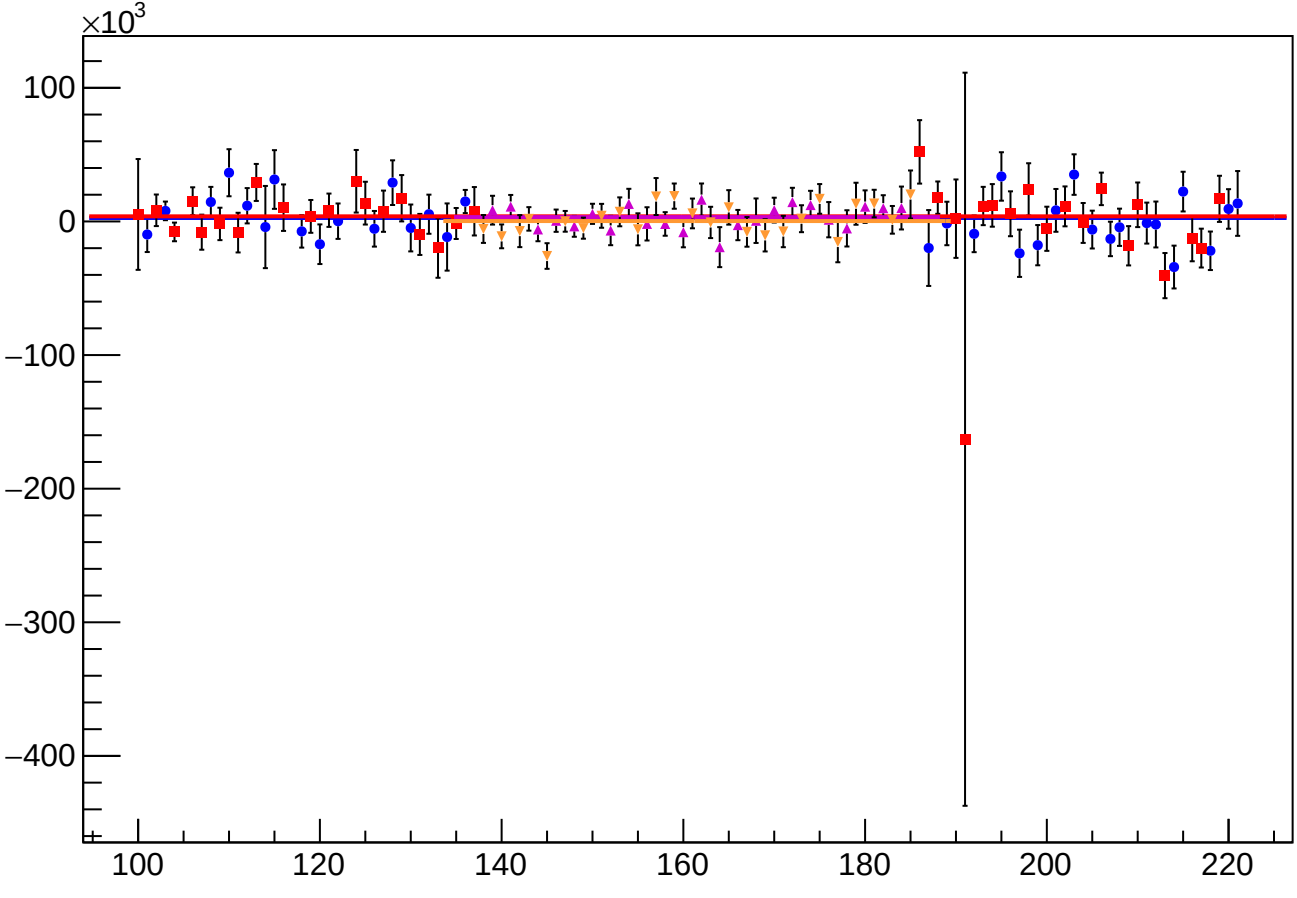
In: 1839.204+/-614.330 χ^2/NDF:55.0/56

Out: -730.956+/-1553.561 χ^2/NDF:69.8/61

All: 1491.659+/-571.286 χ^2/NDF: 127.1/118


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: 9918.254+/-1.612 χ²/NDF: 4921821.4/36
Left In: 9137.590+/-1.539 χ²/NDF:1172796.0/22
Left: 9146.358+/-1.075 χ²/NDF: 2244935.3/47
Right: 1875.259+/-0.436 χ²/NDF: 67424302.6/70
In: 1869.662+/-0.434 χ²/NDF:61042618.4/56
Out: 9509.415+/-1.099 χ²/NDF:6114068.7/61
All: 2902.733+/-0.404 χ²/NDF: 108981680.5

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: 3821.586+/-2399.169 χ^2/NDF: 38.6/36

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

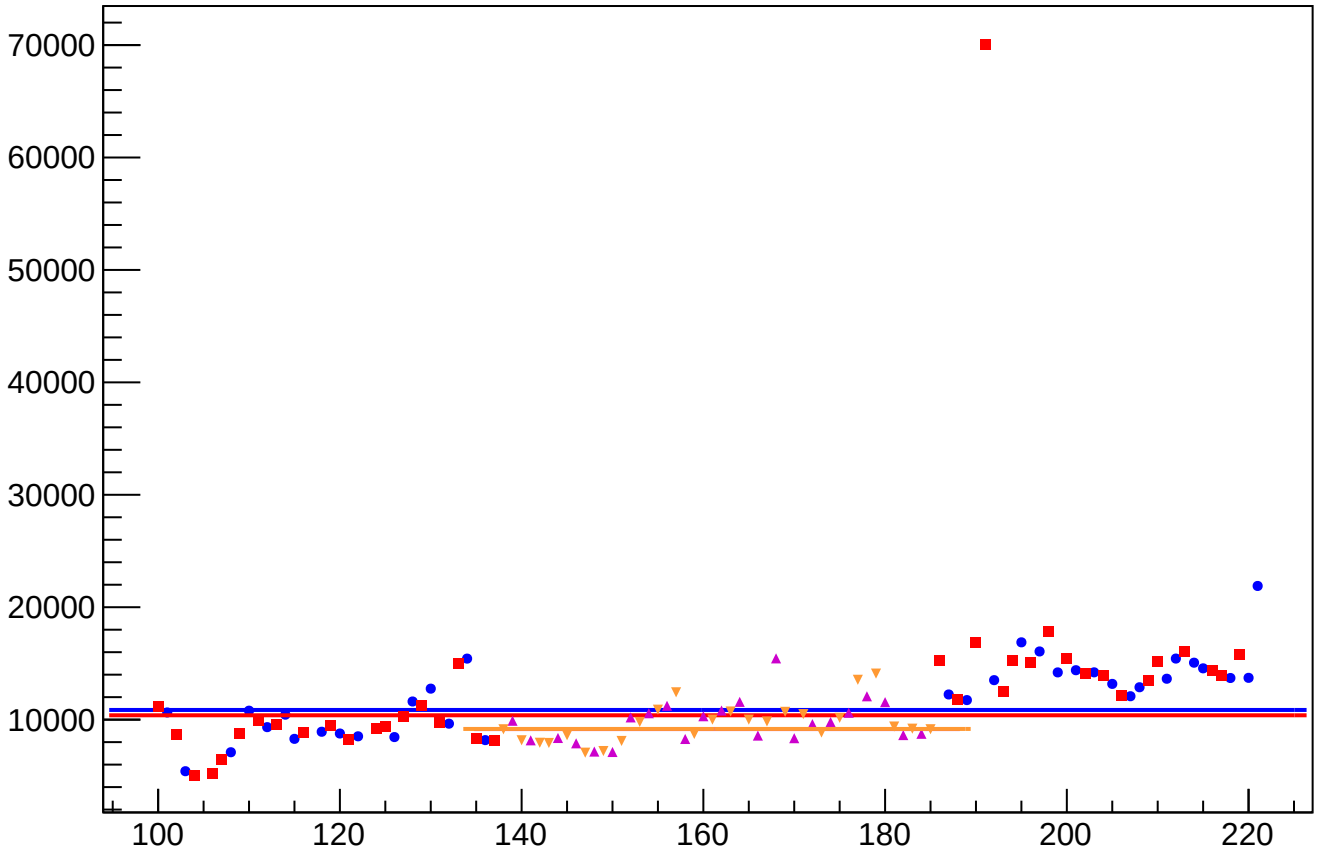
Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

Right: 3225.269+/-1711.149 χ^2/NDF: 80.9/70

In: 2956.048+/-1625.973 χ^2/NDF:55.7/56

Out: 1845.695+/-1590.903 χ^2/NDF:66.2/61

All: 2388.768+/-1137.135 χ^2/NDF: 122.1/118



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: 10387.268+/-1.696 χ^2/NDF: 4615249.8/36

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

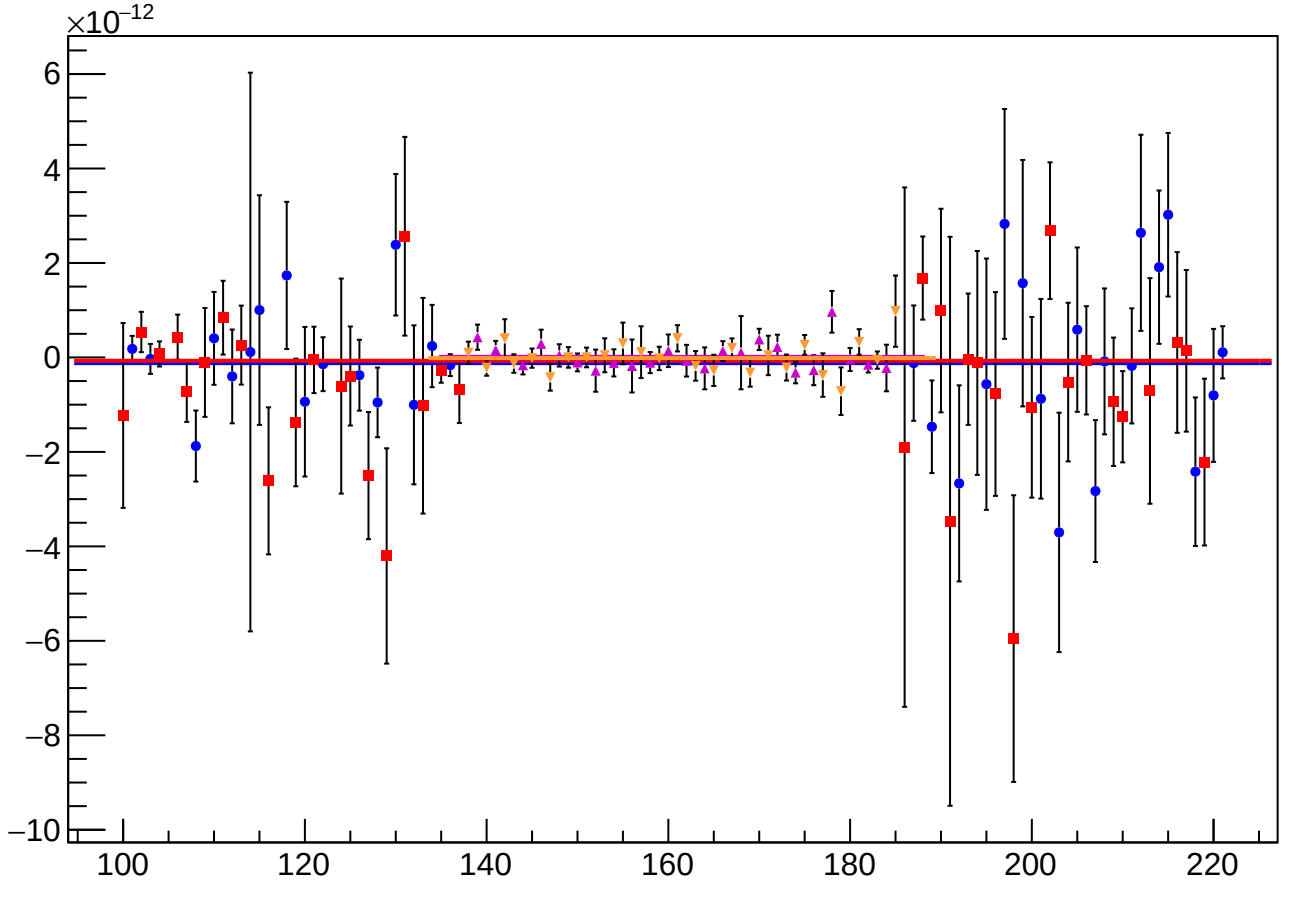
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10620.276+/-1.210 χ^2/NDF: 8589696.5/70

In: 9916.093+/-1.150 χ^2/NDF:5602725.5/56

Out: 9706.839+/-1.125 χ^2/NDF:5959330.2/61

All: 9809.184+/-0.804 χ^2/NDF: 11578979.3/1



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: 35.6/36

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

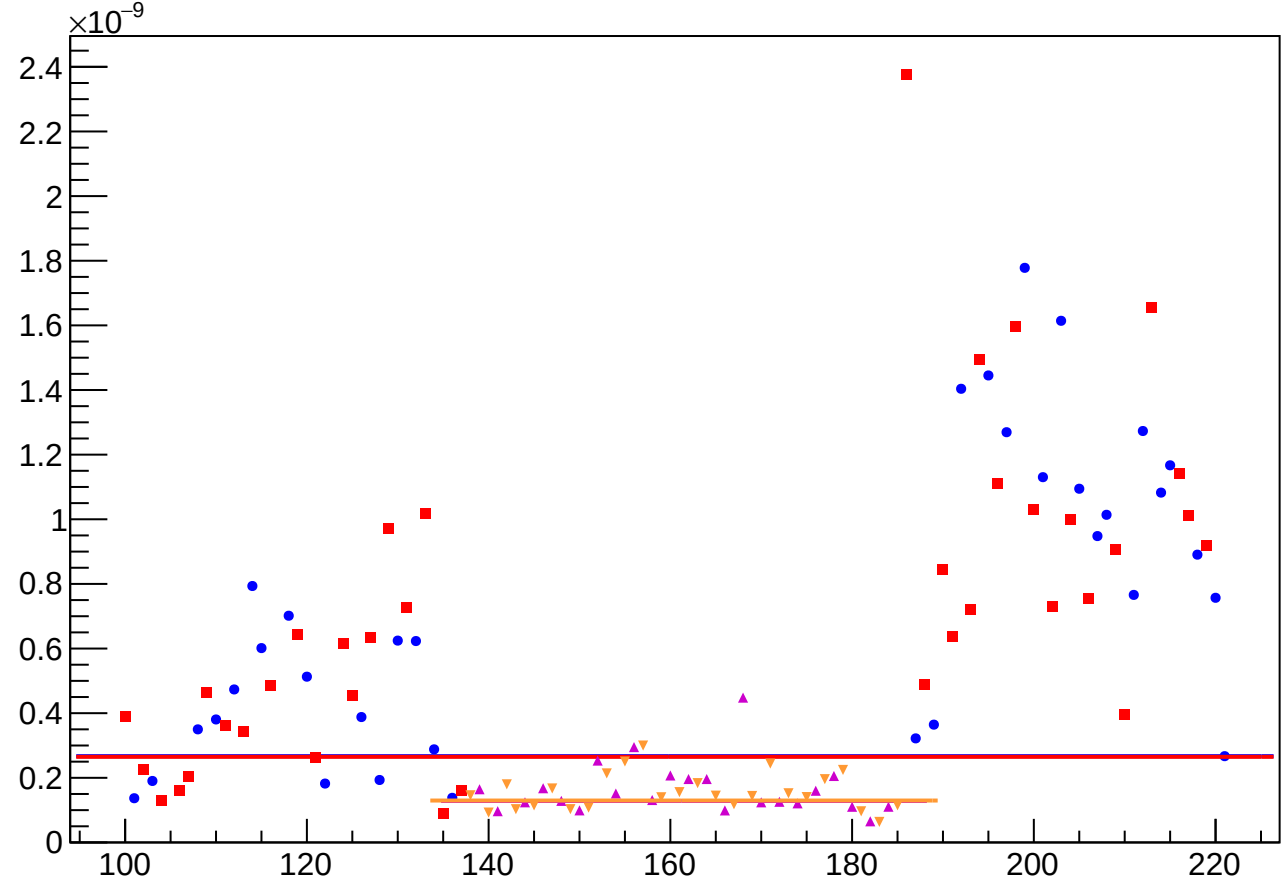
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 69.4/70

In: -0.000+/-0.000 χ^2/NDF:53.8/56

Out: -0.000+/-0.000 χ^2/NDF:55.1/61

All: -0.000+/-0.000 χ^2/NDF: 109.0/118



Right In: 0.000+/-0.000 χ^2/NDF: 8562957.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8149917.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

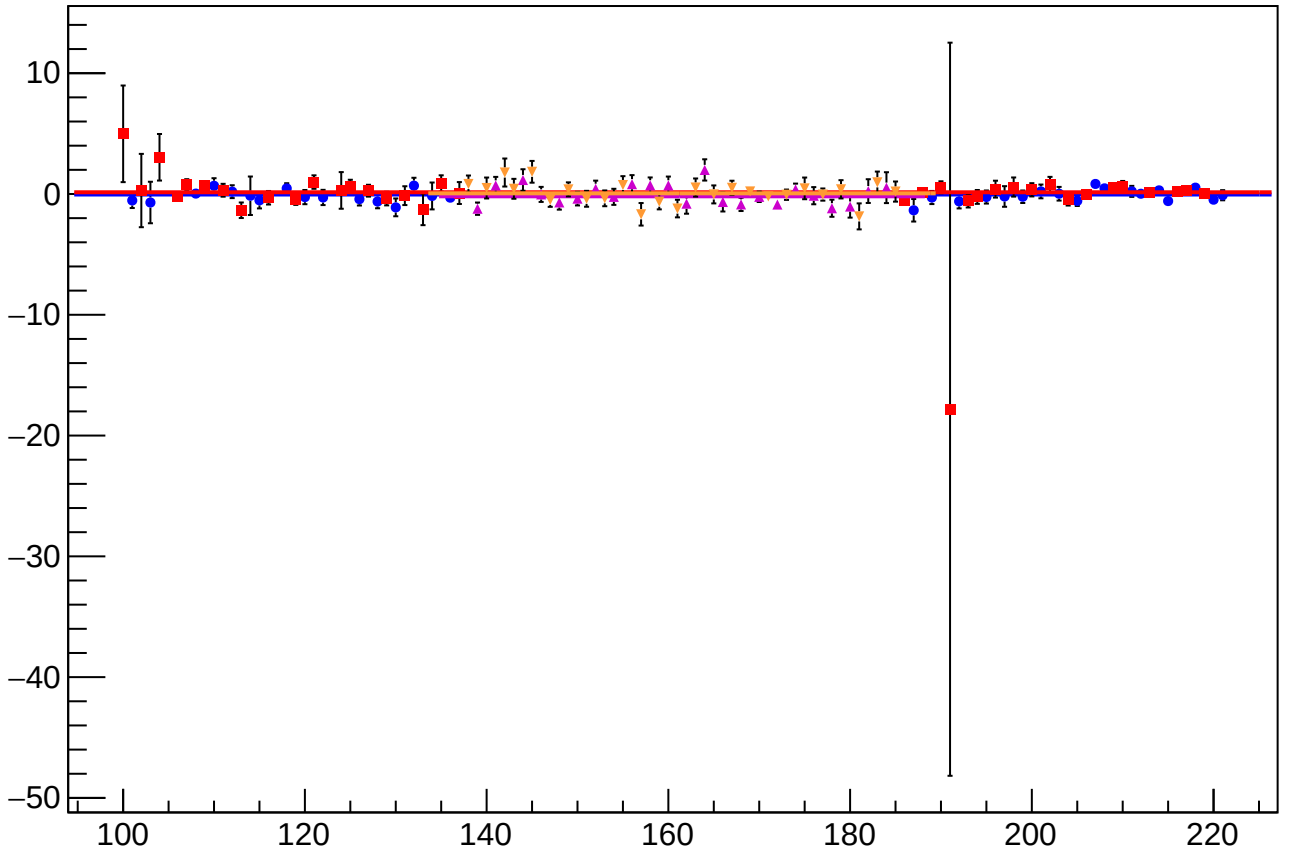
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16713135.3/70

In: 0.000+/-0.000 χ^2/NDF:12182926.8/56

Out: 0.000+/-0.000 χ^2/NDF:11387848.0/61

All: 0.000+/-0.000 χ^2/NDF: 23572671.7/118



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: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

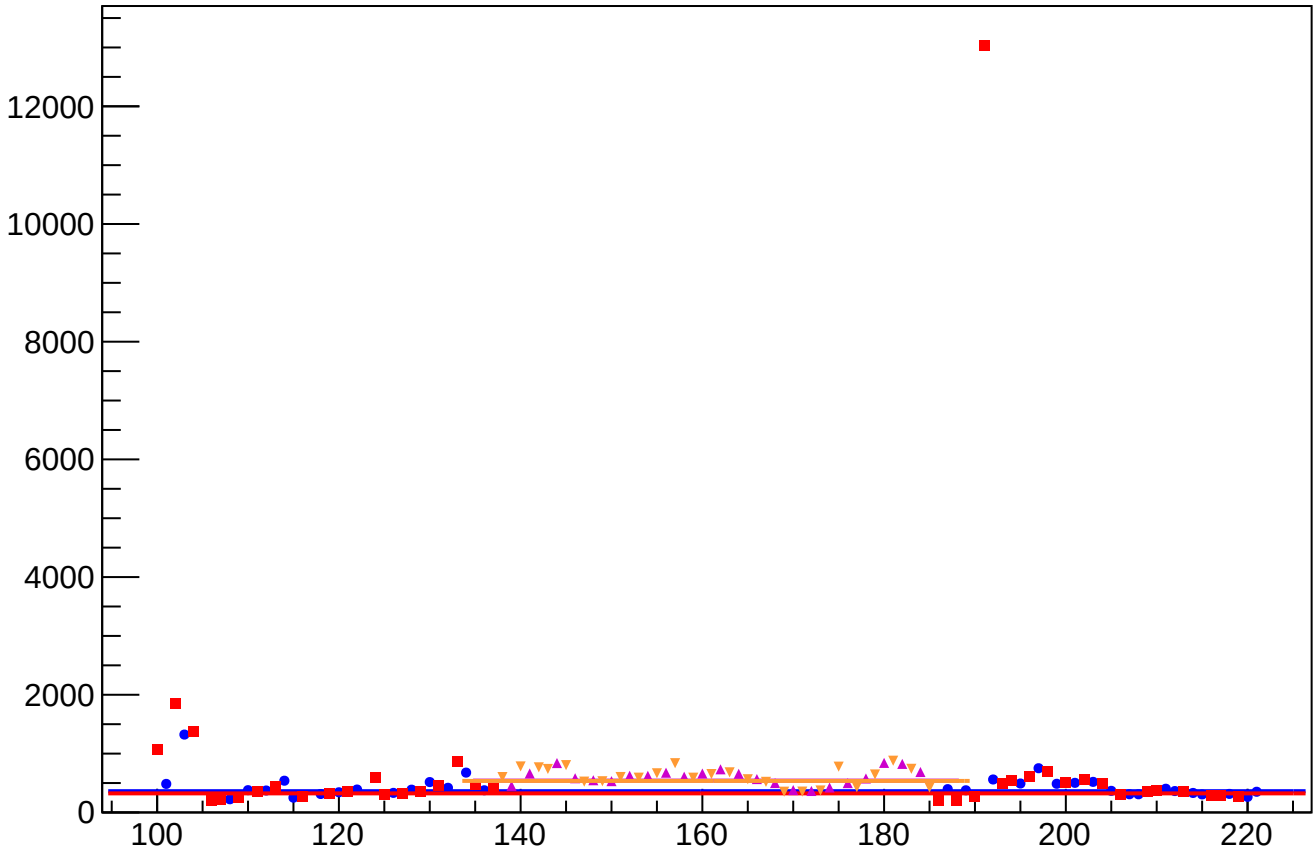
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.055+/-0.056 χ^2/NDF: 73.5/70

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.022+/-0.048 χ^2/NDF: 132.3/118



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: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

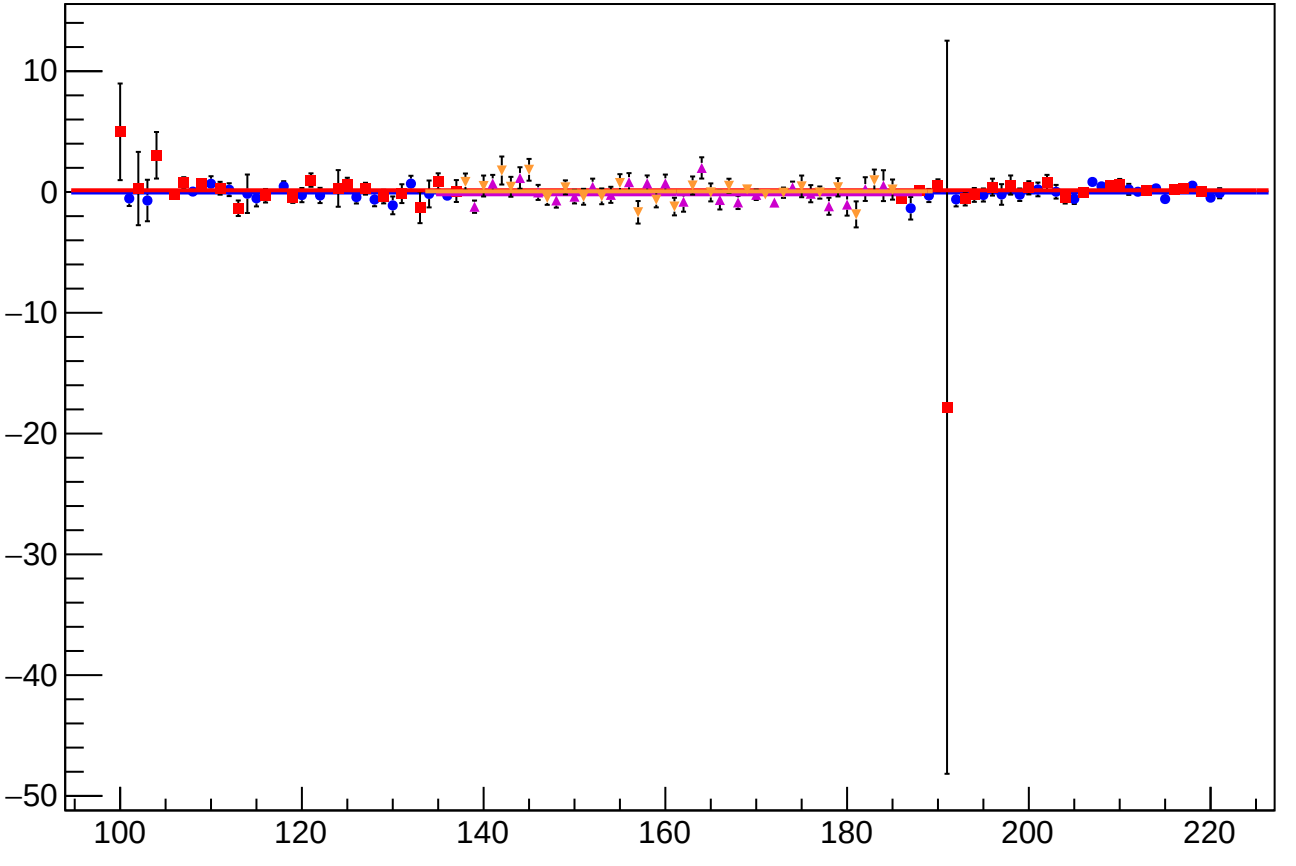
Right: 341.842+/-0.040 χ^2/NDF: 8887525.9/70

In: 410.955+/-0.049 χ^2/NDF:7524496.5/56

Out: 380.291+/-0.047 χ^2/NDF:12357063.1/61

All: 394.890+/-0.034 χ^2/NDF: 20083157.3/11

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: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

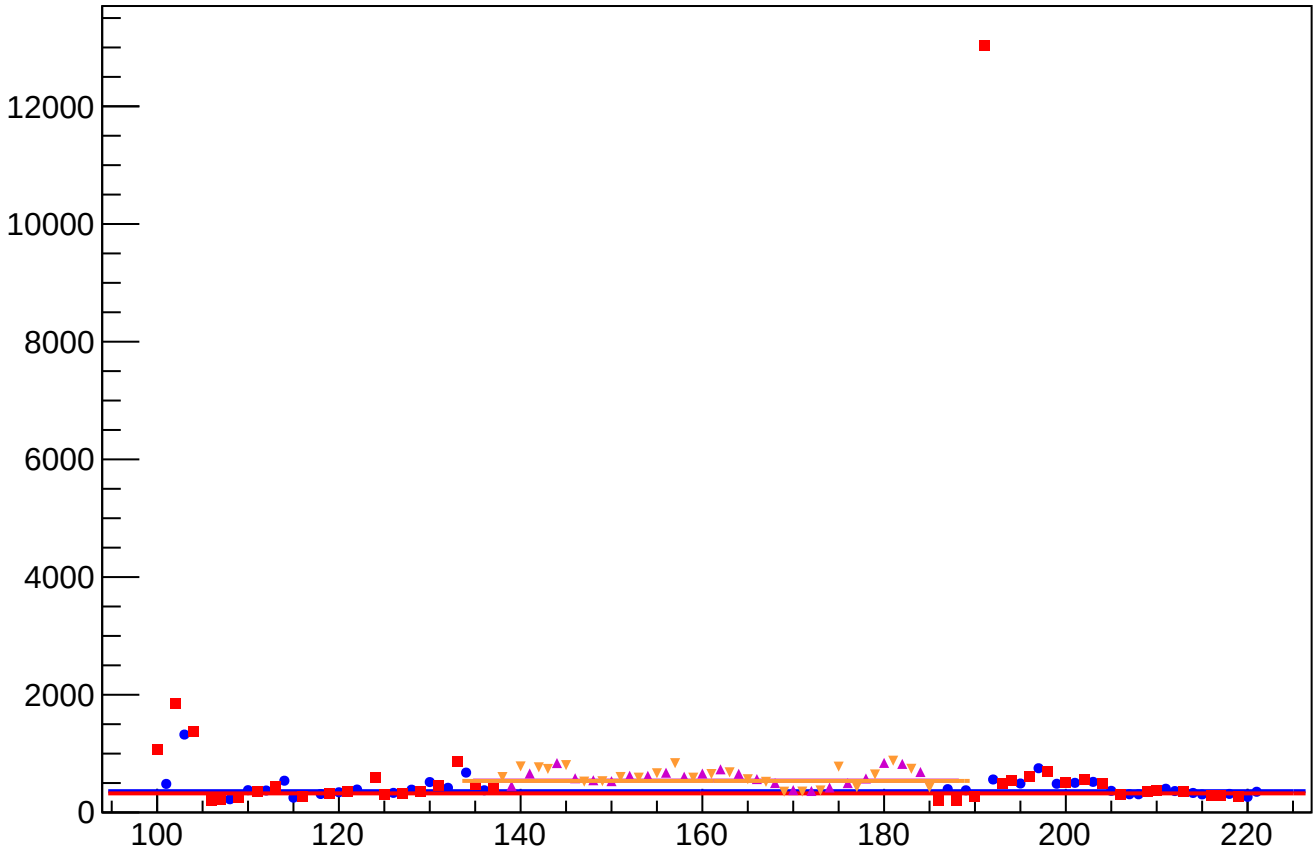
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.055+/-0.056 χ^2/NDF: 73.5/70

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.022+/-0.048 χ^2/NDF: 132.3/118



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: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

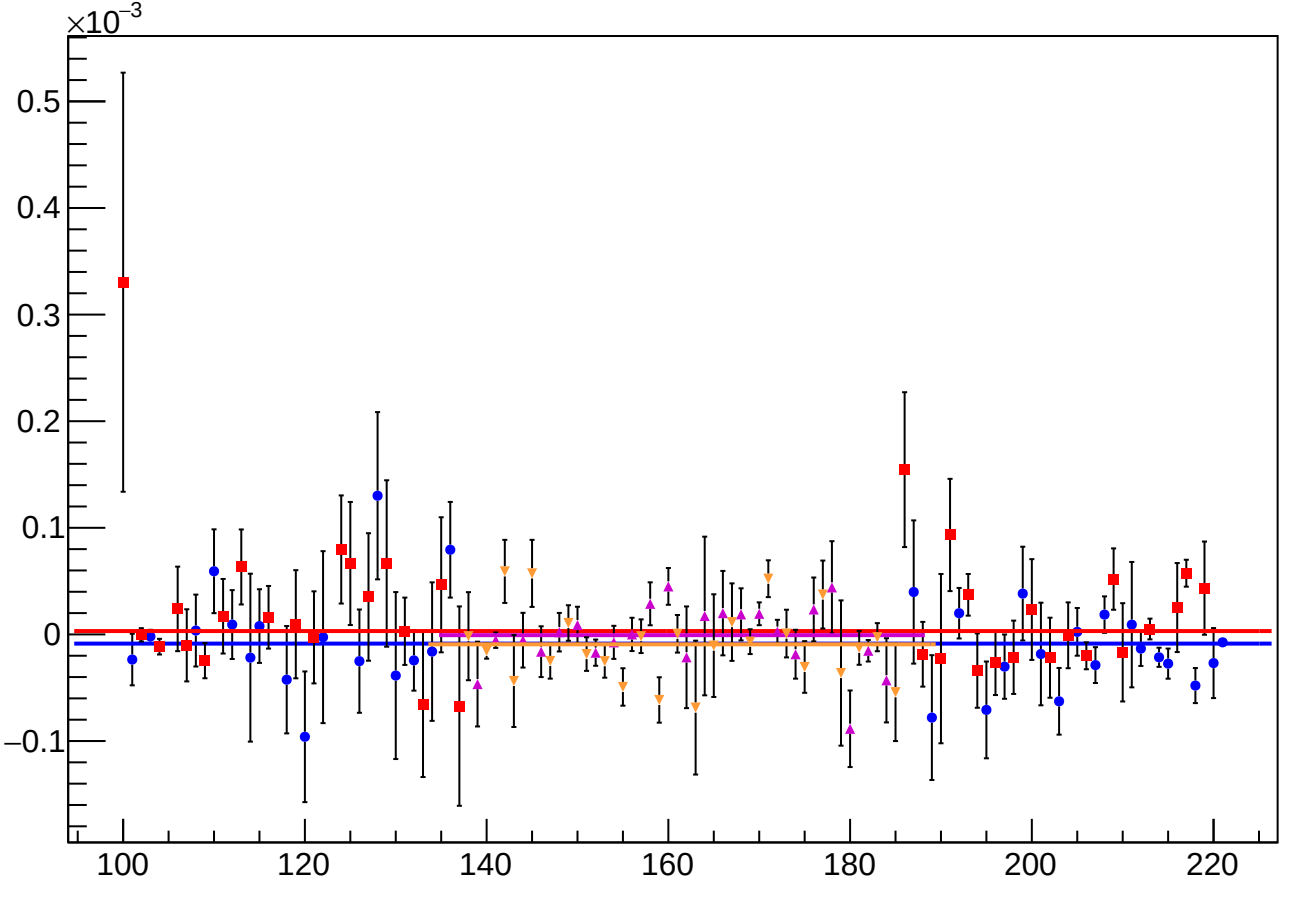
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 341.842+/-0.040 χ^2/NDF: 8887525.9/70

In: 410.955+/-0.049 χ^2/NDF:7524496.5/56

Out: 380.291+/-0.047 χ^2/NDF:12357063.1/61

All: 394.890+/-0.034 χ^2/NDF: 20083157.3/11



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: 60.4/36

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

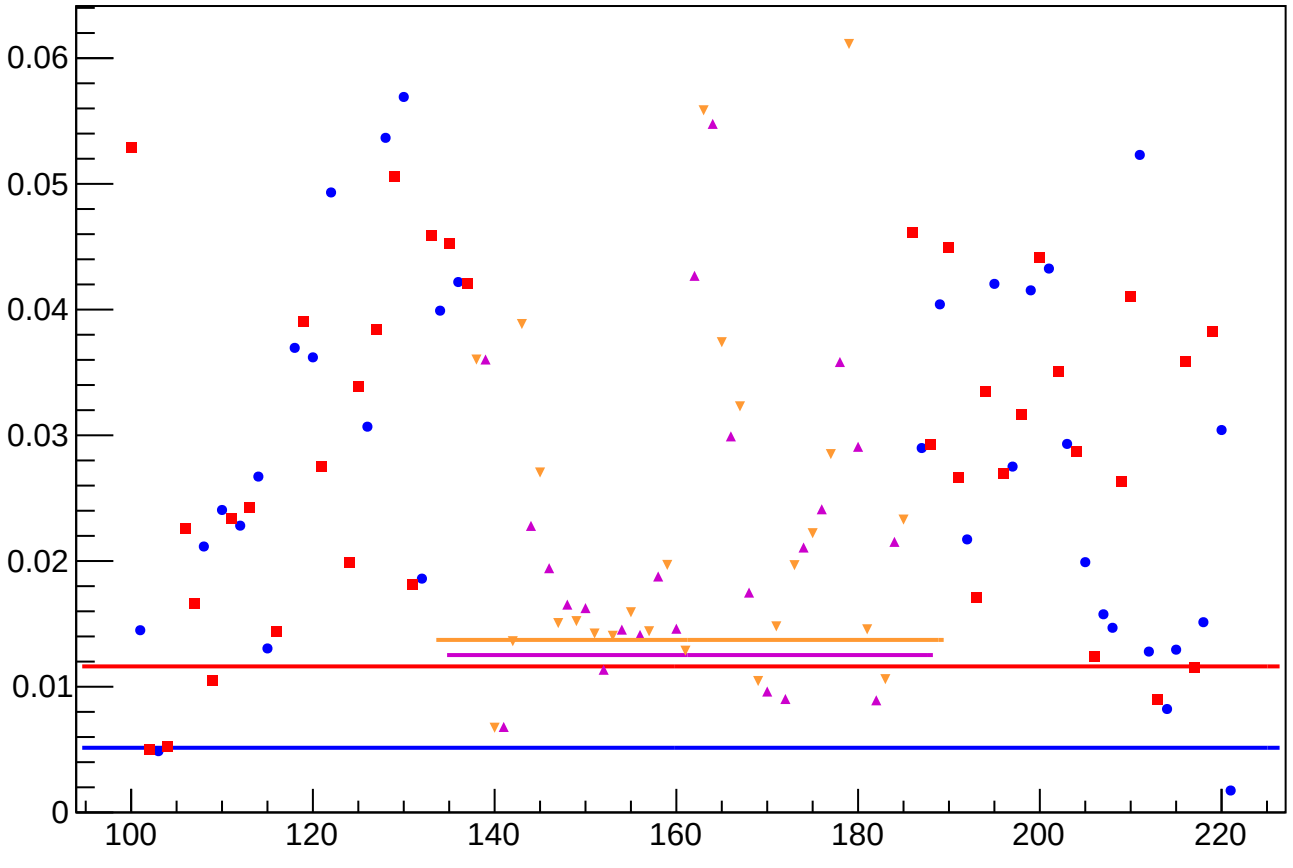
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 109.3/70

In: -0.000+/-0.000 χ^2/NDF:73.6/56

Out: -0.000+/-0.000 χ^2/NDF:112.0/61

All: -0.000+/-0.000 χ^2/NDF: 187.4/118



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: 0.012+/-0.000 χ^2/NDF: 17042047.4/36

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

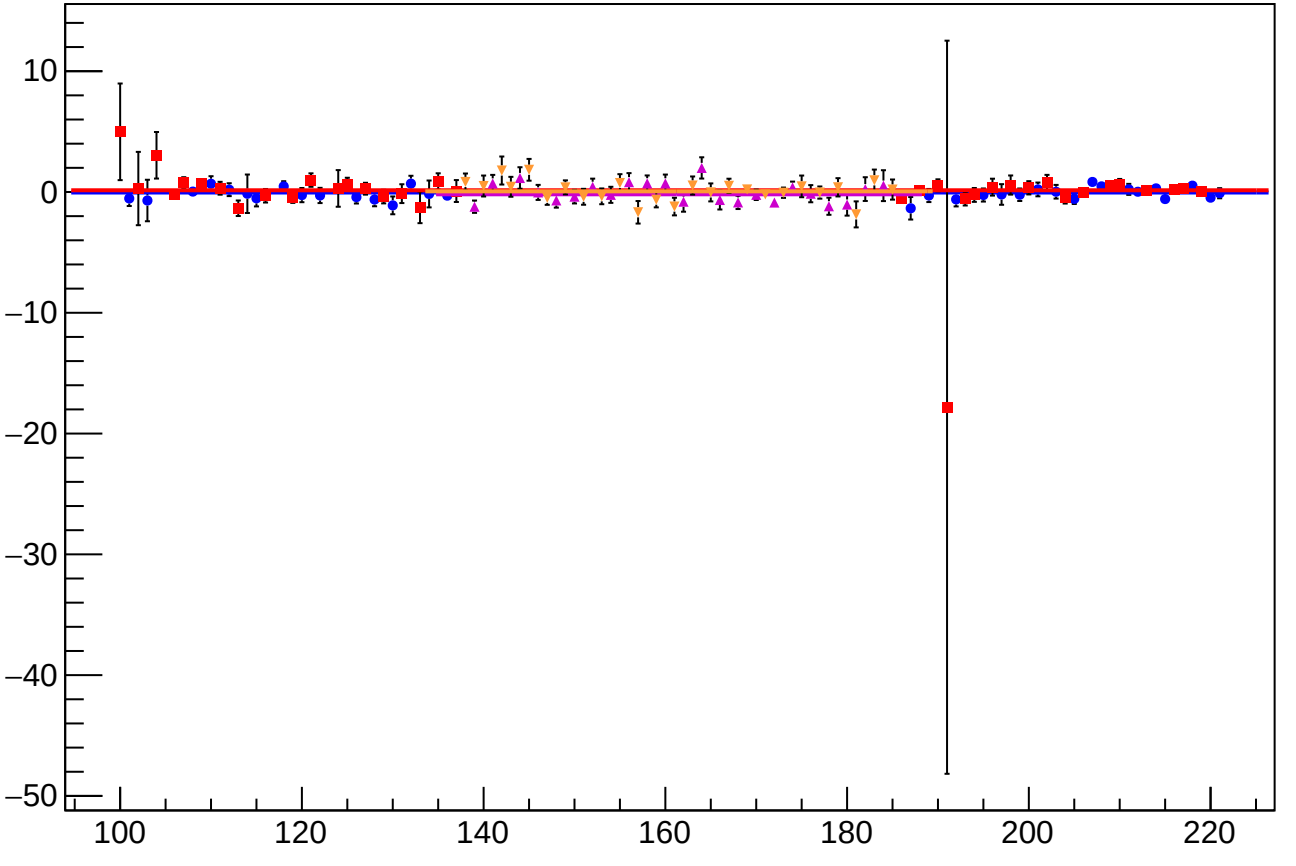
Right: 0.007+/-0.000 χ^2/NDF: 50173111.2/70

In: 0.007+/-0.000 χ^2/NDF:41527393.6/56

Out: 0.013+/-0.000 χ^2/NDF:25130545.8/61

All: 0.009+/-0.000 χ^2/NDF: 73577566.9/118

asym_atr2_eigen_dit_vs_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: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

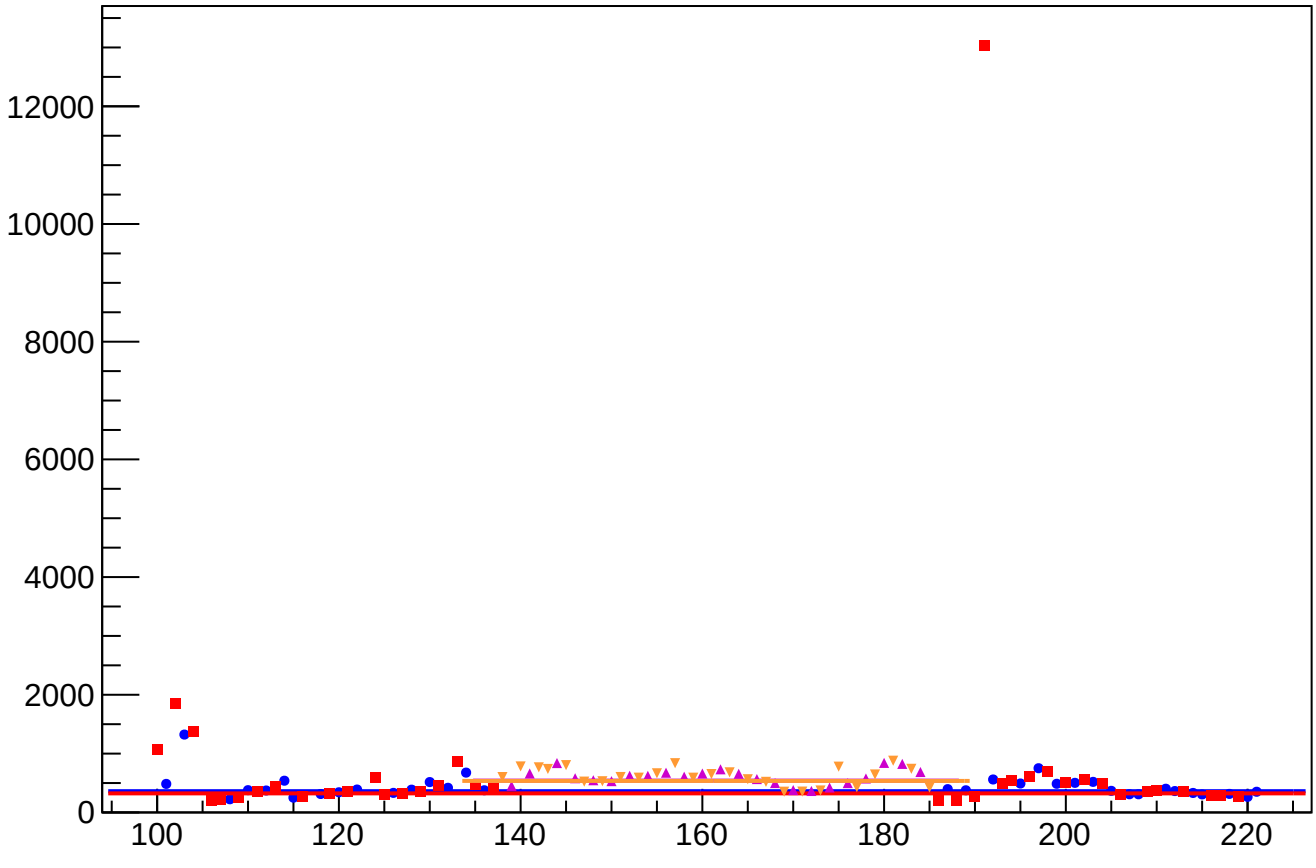
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.055+/-0.056 χ^2/NDF: 73.5/70

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.022+/-0.048 χ^2/NDF: 132.3/118



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: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

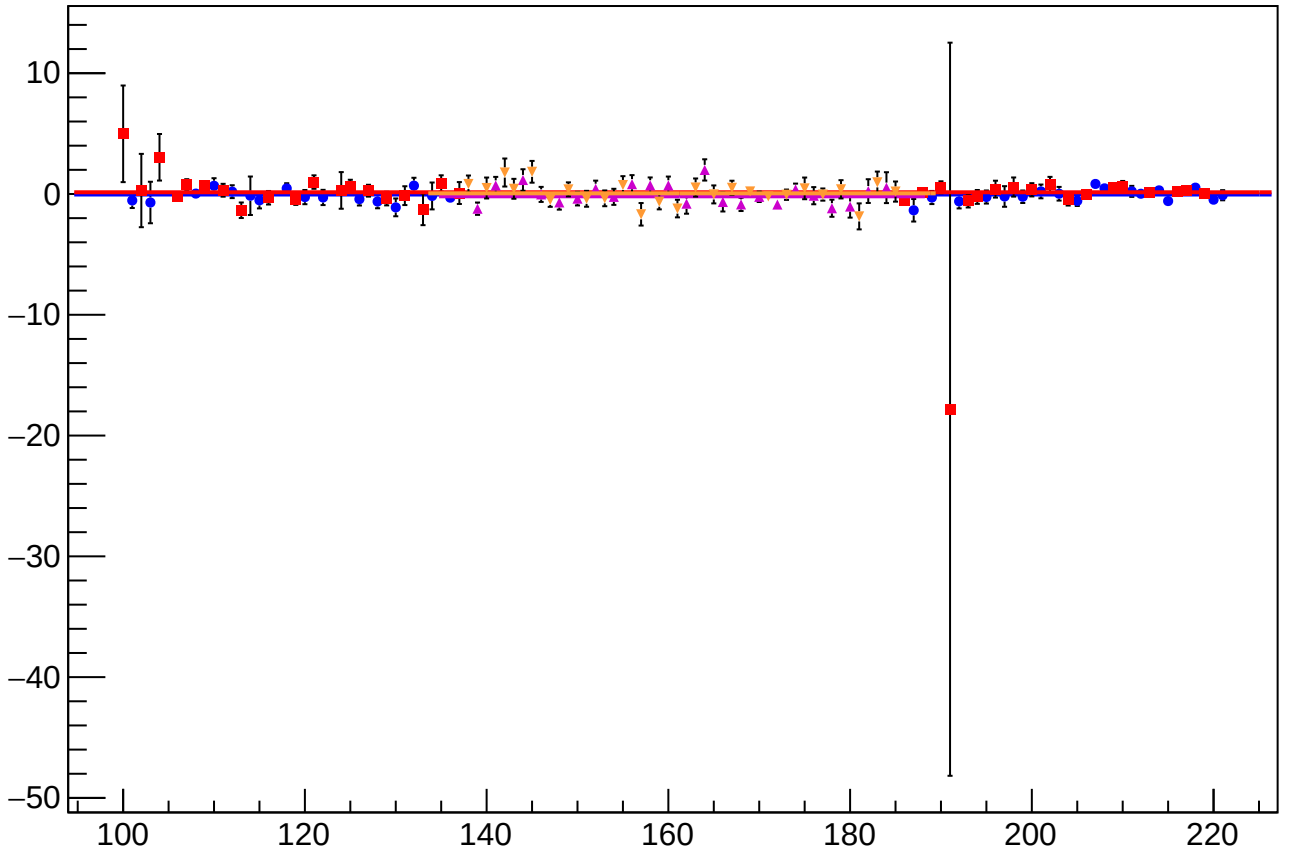
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 341.841+/-0.040 χ^2/NDF: 8887470.1/70

In: 410.954+/-0.049 χ^2/NDF:7524743.0/56

Out: 380.292+/-0.047 χ^2/NDF:12357183.3/61

All: 394.890+/-0.034 χ^2/NDF: 20083502.4/11



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: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

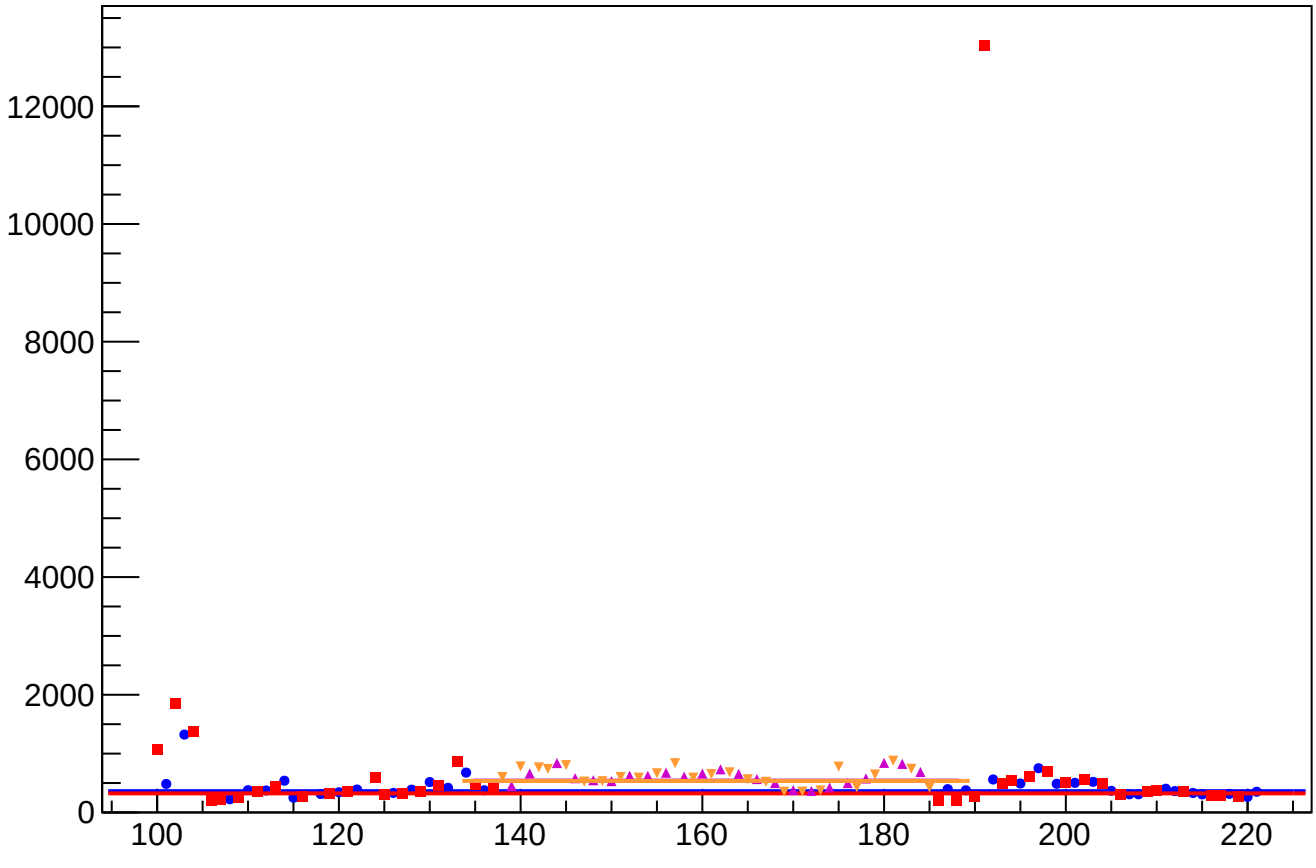
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.055+/-0.056 χ^2/NDF: 73.5/70

In: -0.084+/-0.070 χ^2/NDF:65.4/56

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.022+/-0.048 χ^2/NDF: 132.3/118



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: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

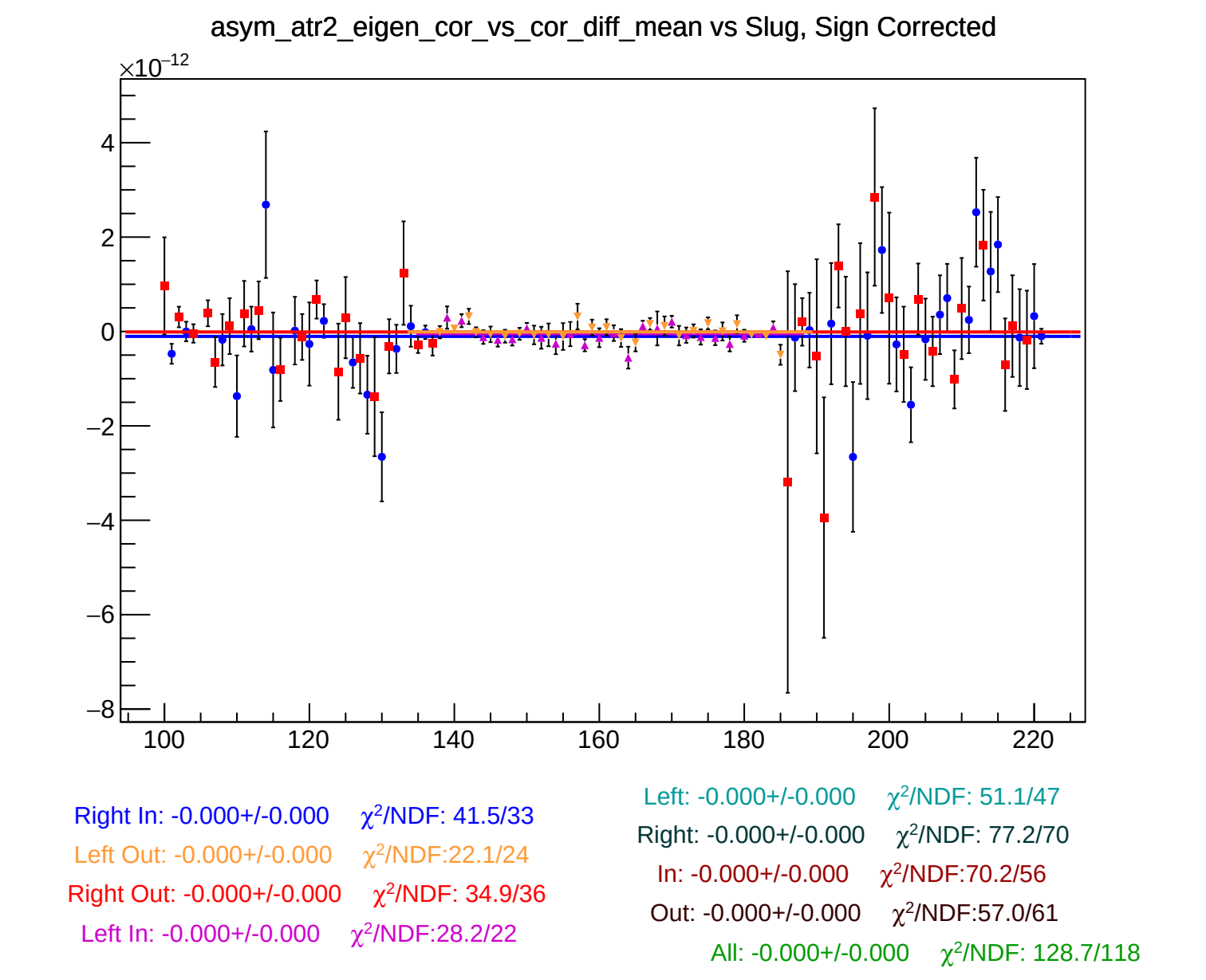
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

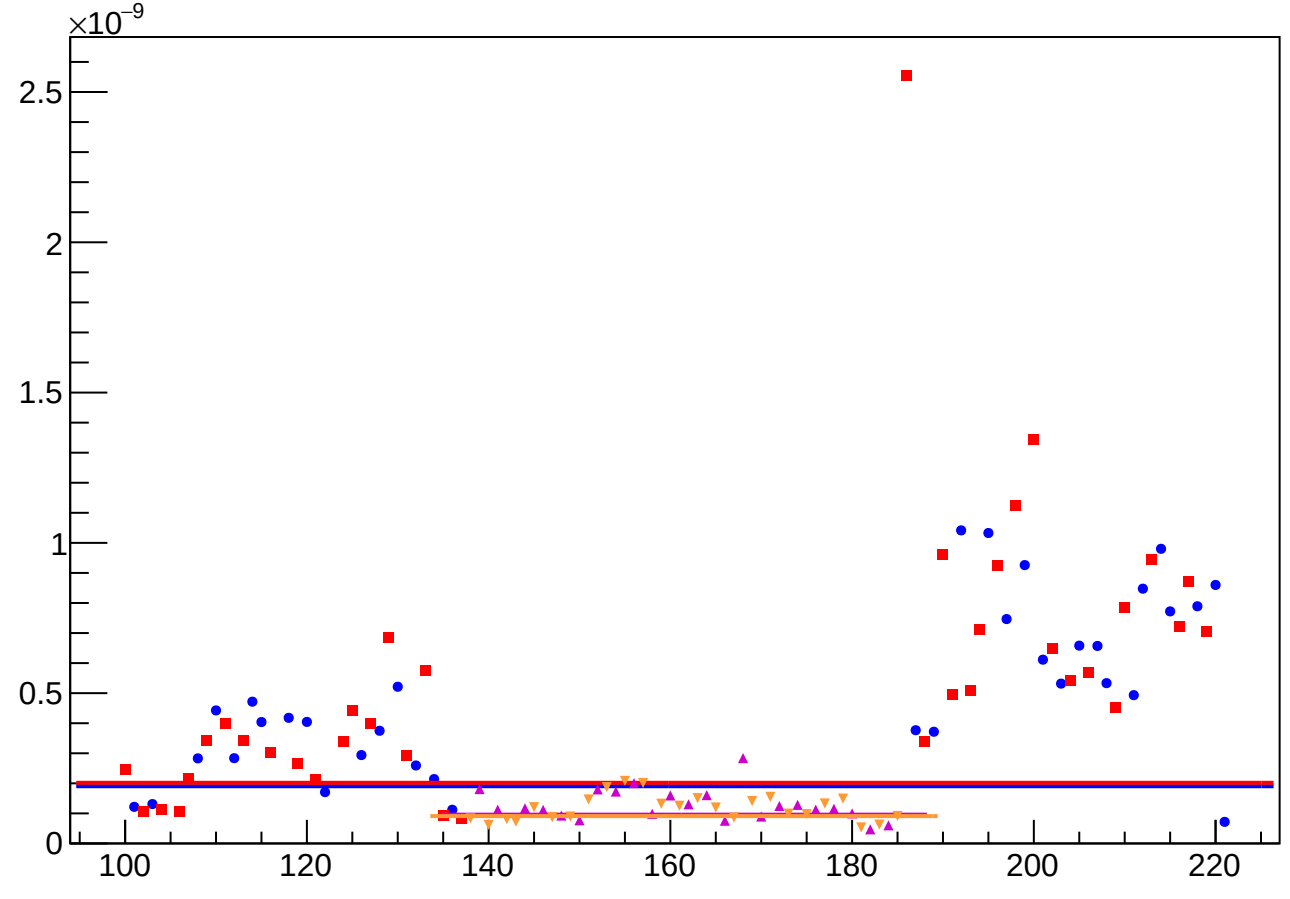
Right: 341.841+/-0.040 χ^2/NDF: 8887470.1/70

In: 410.954+/-0.049 χ^2/NDF:7524743.0/56

Out: 380.292+/-0.047 χ^2/NDF:12357183.3/61

All: 394.890+/-0.034 χ^2/NDF: 20083502.4/11


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: 34.9/36
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: 77.2/70
In: -0.000+/-0.000 χ²/NDF:70.2/56
Out: -0.000+/-0.000 χ²/NDF:57.0/61
All: -0.000+/-0.000 χ²/NDF: 128.7/118



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: 11842987.3/36

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

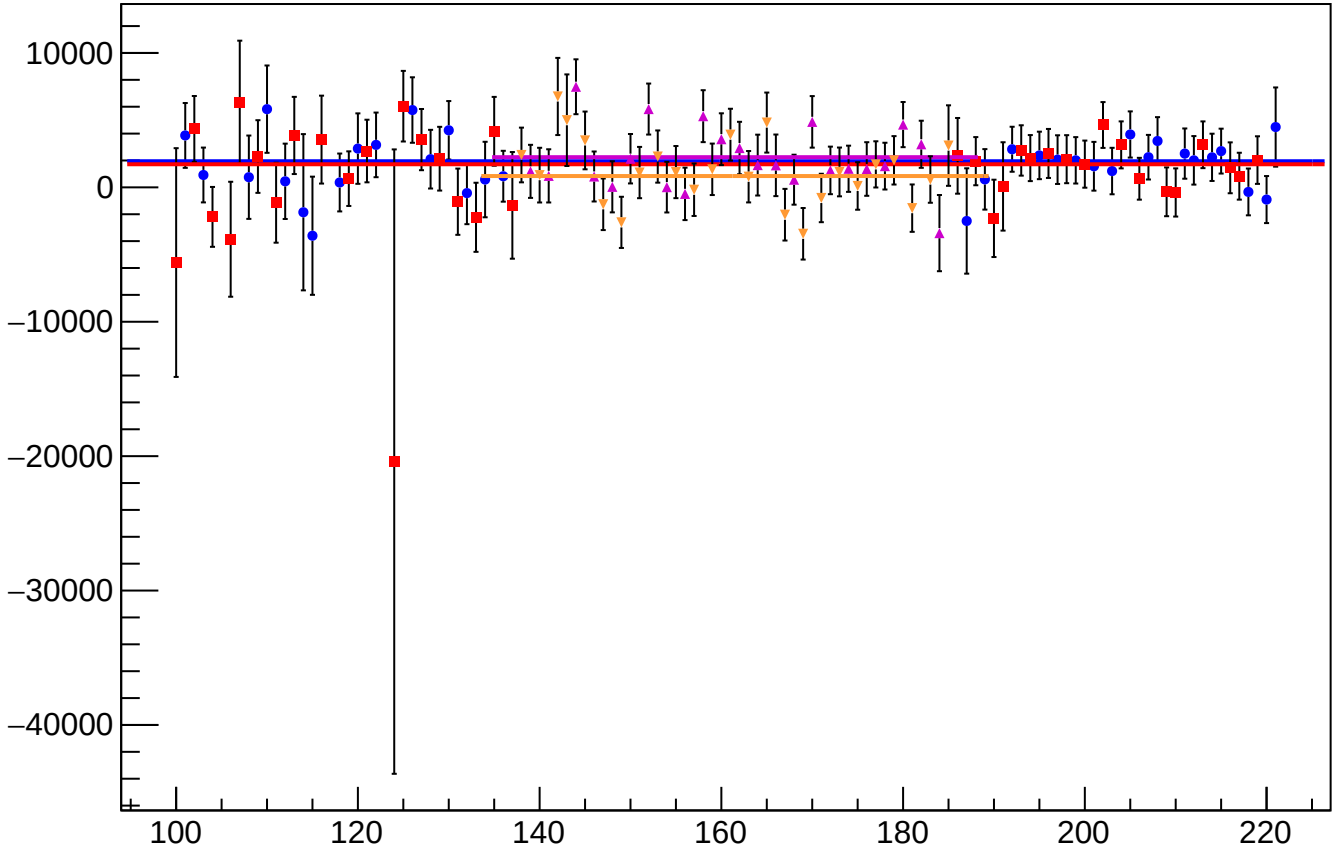
Right: 0.000+/-0.000 χ^2/NDF: 24005225.8/70

In: 0.000+/-0.000 χ^2/NDF:18963501.0/56

Out: 0.000+/-0.000 χ^2/NDF:18761865.3/61

All: 0.000+/-0.000 χ^2/NDF: 37771476.0/118

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: 1718.741+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

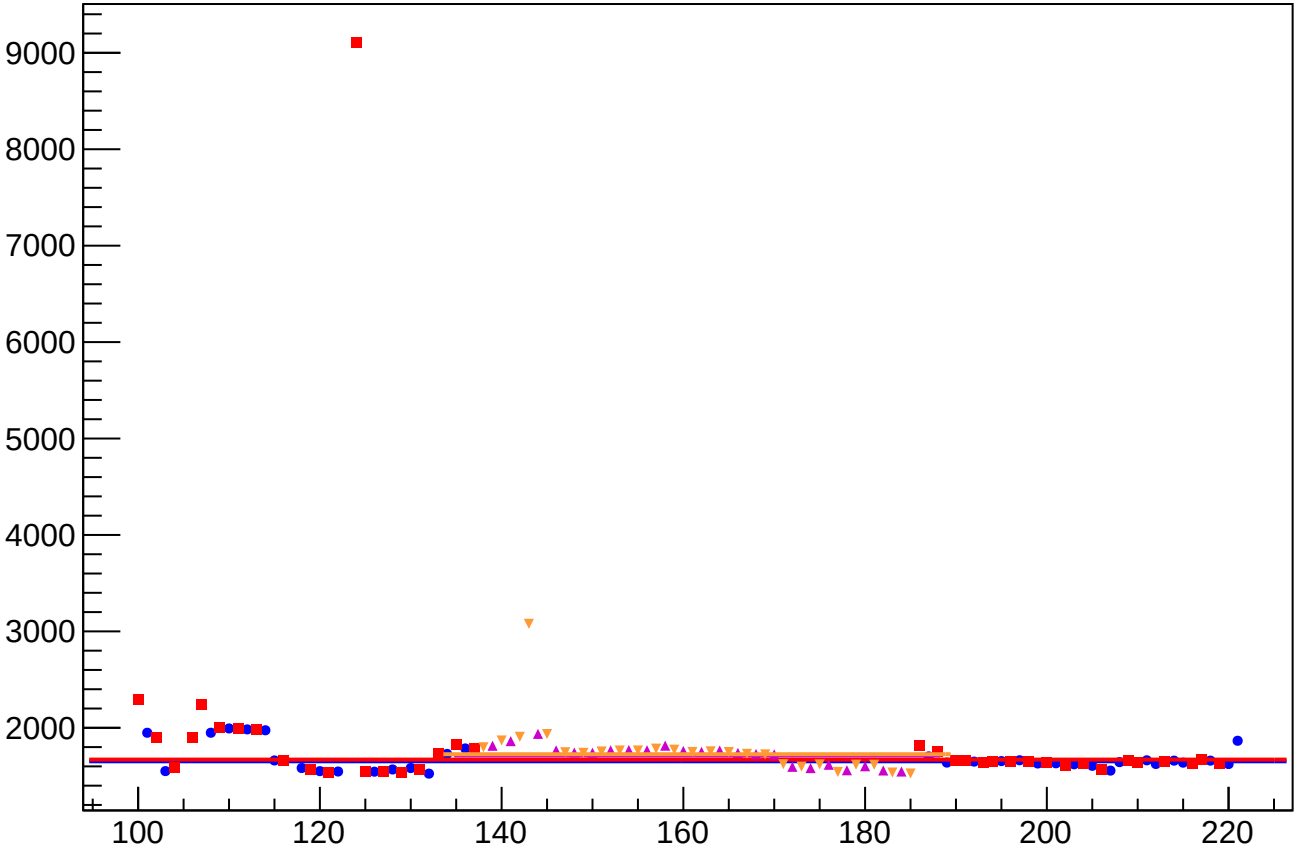
Right: 1832.633+/-254.663 χ^2/NDF: 50.9/70

In: 2077.009+/-266.798 χ^2/NDF:50.4/56

Out: 1316.746+/-267.027 χ^2/NDF:63.1/61

All: 1697.202+/-188.736 χ^2/NDF: 117.6/118

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: 1670.336+/-0.256 χ^2/NDF: 421486.7/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

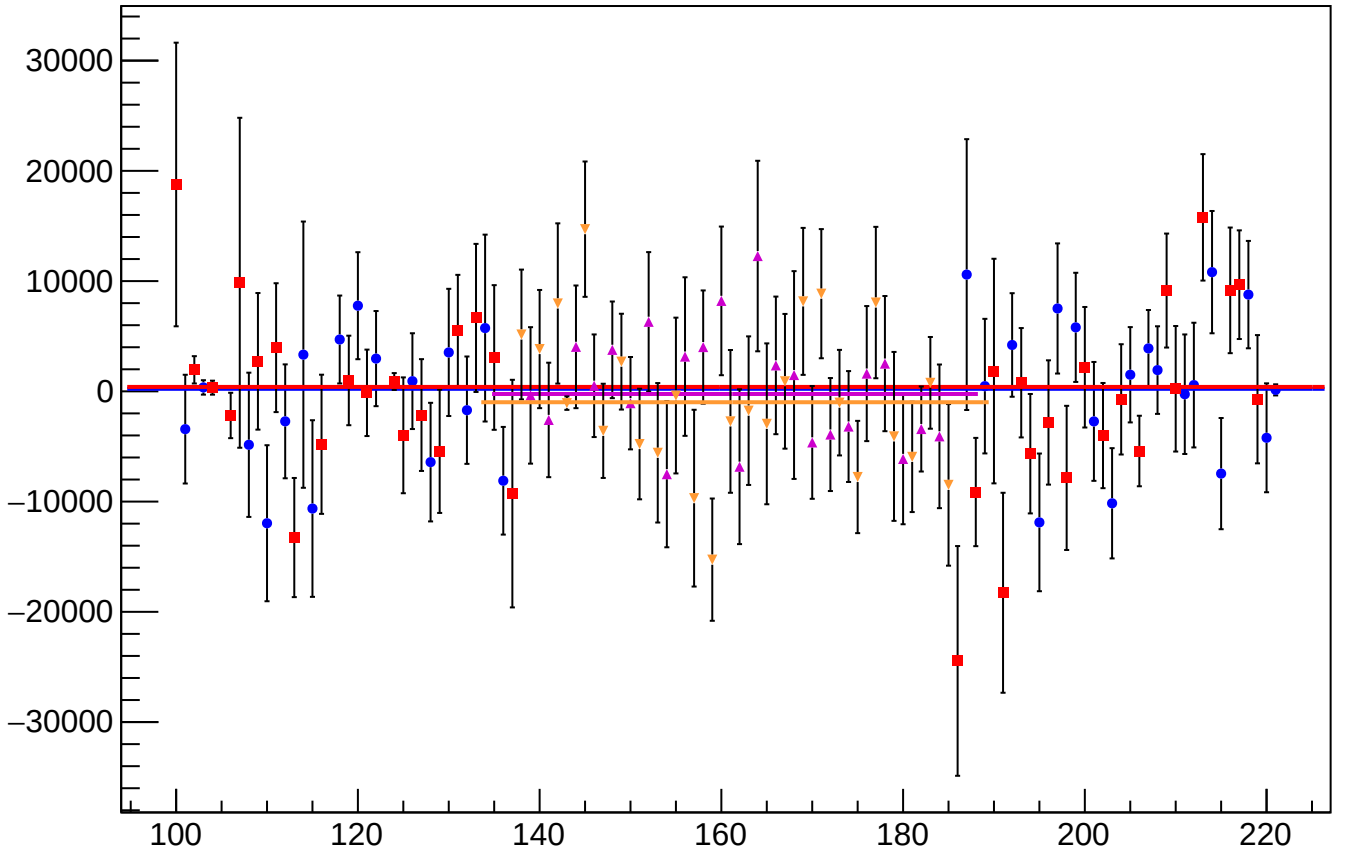
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.430+/-0.180 χ^2/NDF: 590478.4/70

In: 1679.524+/-0.189 χ^2/NDF:321192.8/56

Out: 1695.831+/-0.189 χ^2/NDF:898068.9/61

All: 1687.677+/-0.133 χ^2/NDF: 1222997.2/11



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: 401.541+/-402.933 χ^2/NDF: 55.8/36

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

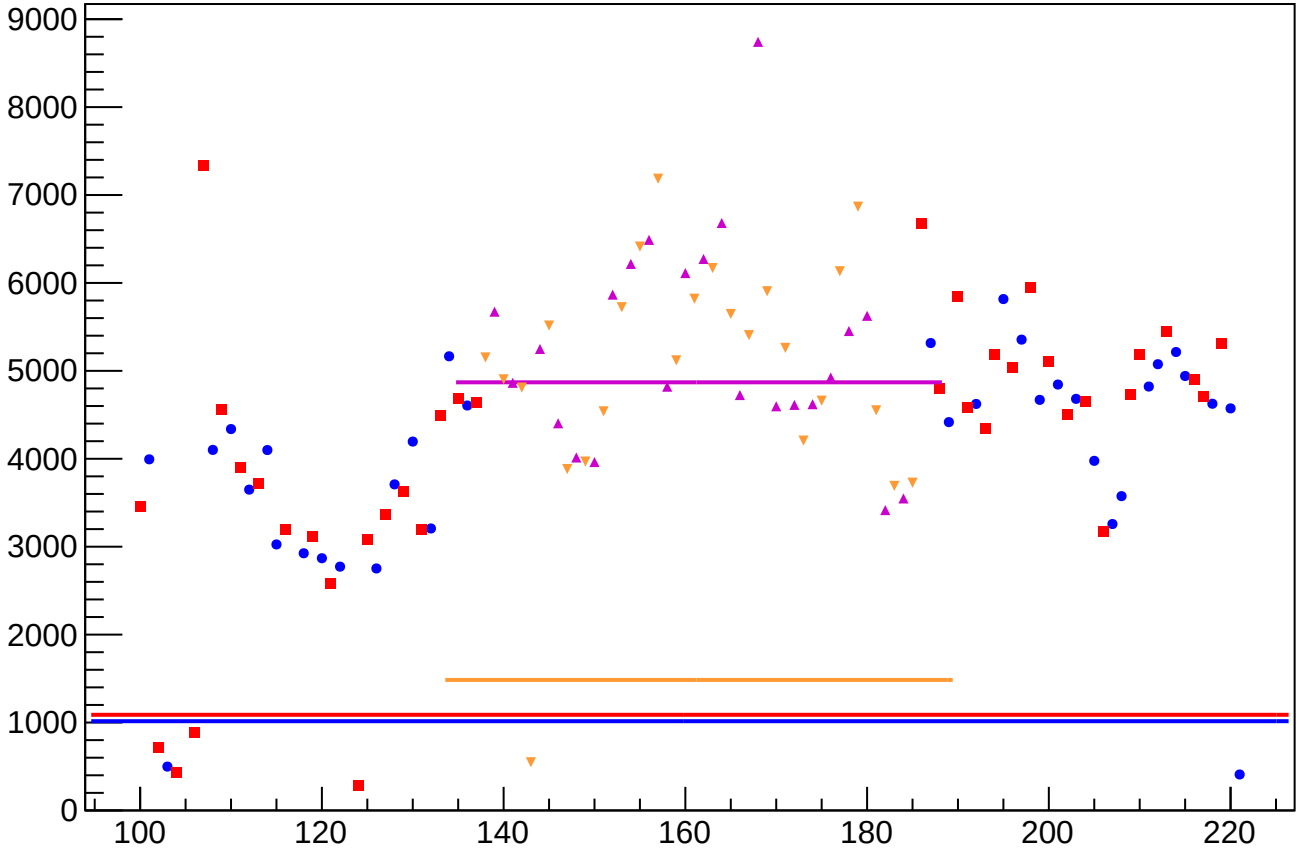
Right: 307.406+/-270.897 χ^2/NDF: 95.6/70

In: 187.614+/-349.127 χ^2/NDF:53.4/56

Out: -93.811+/-323.205 χ^2/NDF:90.9/61

All: 36.067+/-237.176 χ^2/NDF: 144.6/118

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1088.039+/-0.285 χ^2/NDF: 27139005.3/36

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

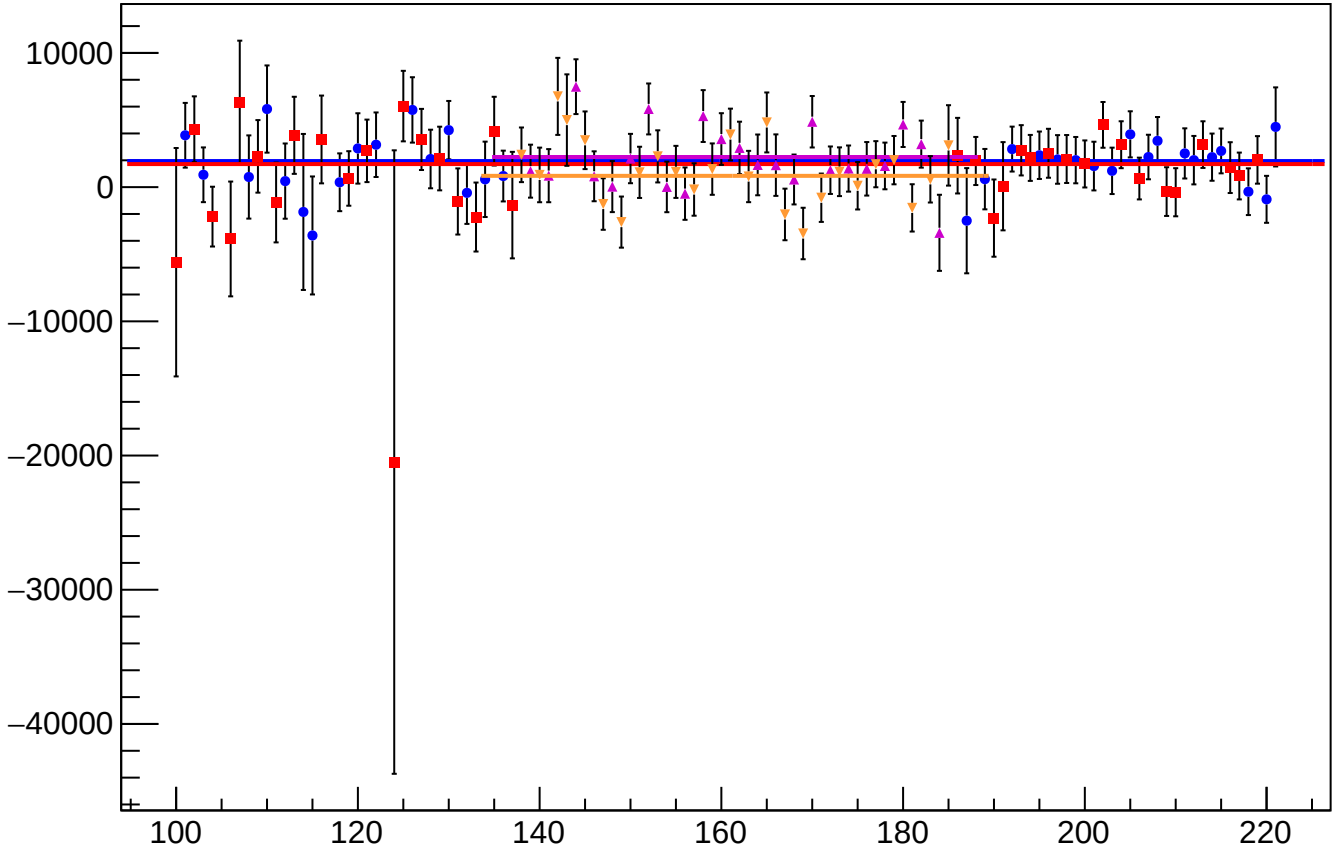
Right: 1048.123+/-0.192 χ^2/NDF: 54783916.0/70

In: 1361.336+/-0.247 χ^2/NDF:49009225.4/56

Out: 1229.433+/-0.229 χ^2/NDF:51054612.8/61

All: 1290.307+/-0.168 χ^2/NDF: 100217567.0

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: 1717.967+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

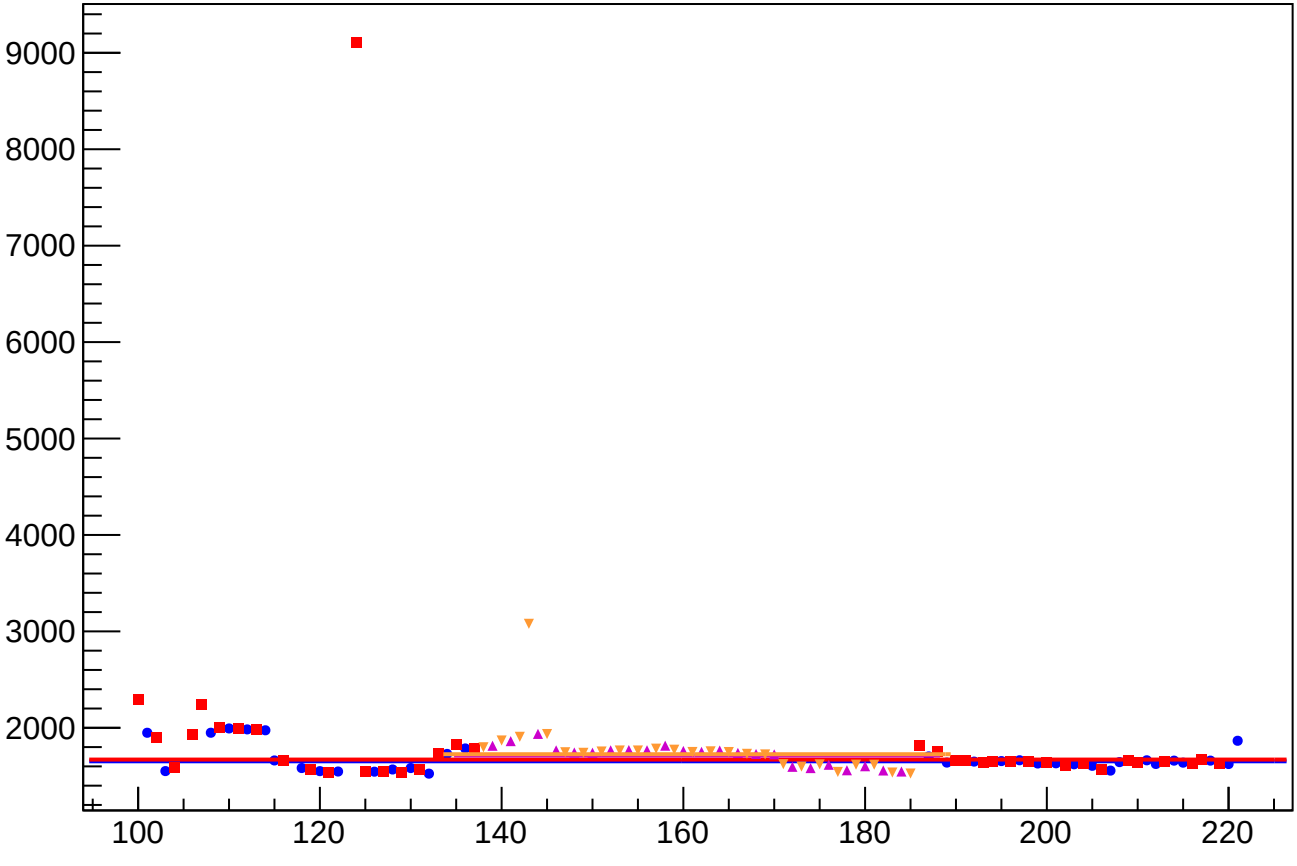
Right: 1832.268+/-254.664 χ^2/NDF: 50.9/70

In: 2077.035+/-266.798 χ^2/NDF:50.4/56

Out: 1316.321+/-267.027 χ^2/NDF:63.1/61

All: 1697.004+/-188.736 χ^2/NDF: 117.5/118

cor_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: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

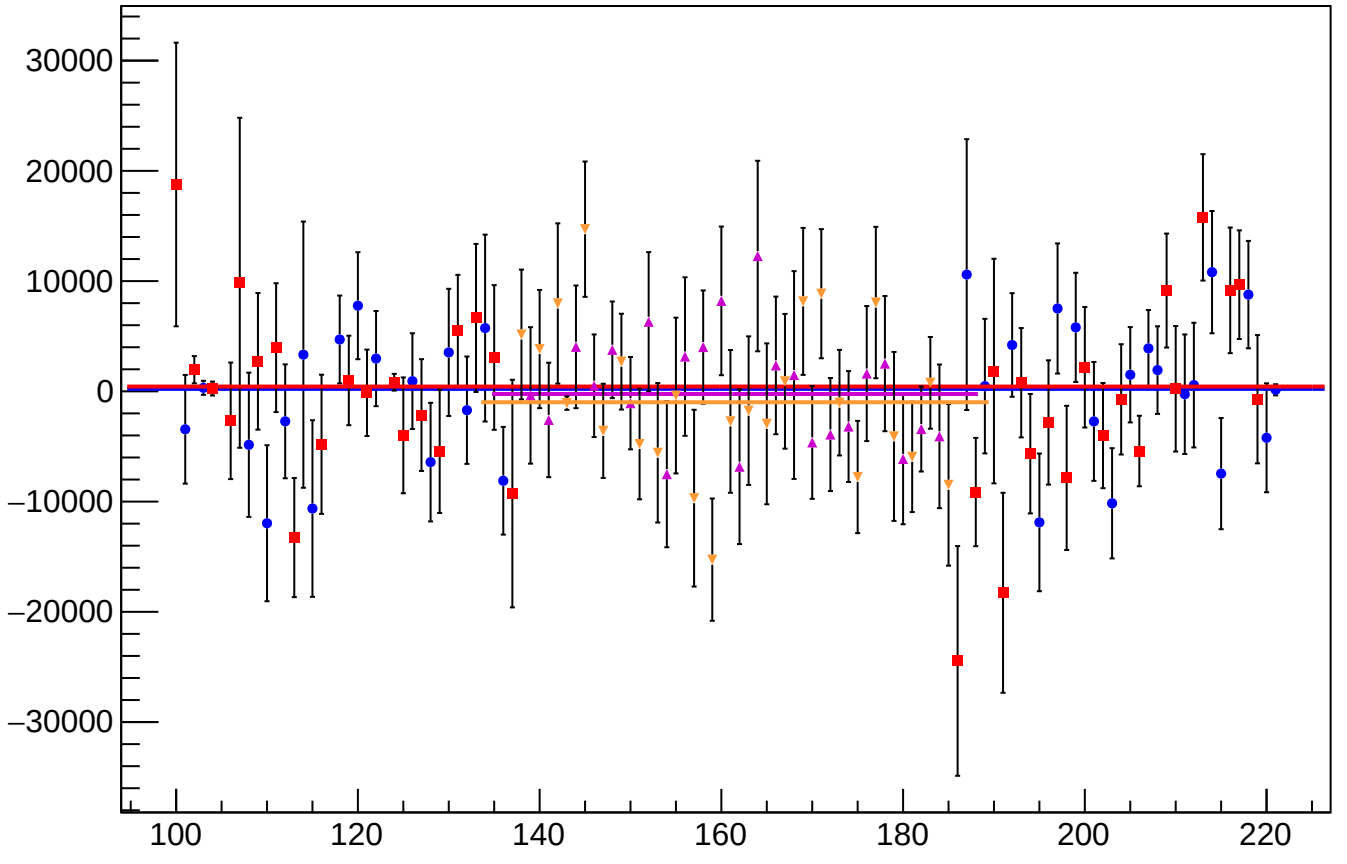
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.553+/-0.180 χ^2/NDF: 592672.9/70

In: 1679.524+/-0.189 χ^2/NDF:321192.9/56

Out: 1695.972+/-0.189 χ^2/NDF:899995.8/61

All: 1687.747+/-0.133 χ^2/NDF: 1224988.8/11



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: 434.800+/-407.906 χ^2/NDF: 54.5/36

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

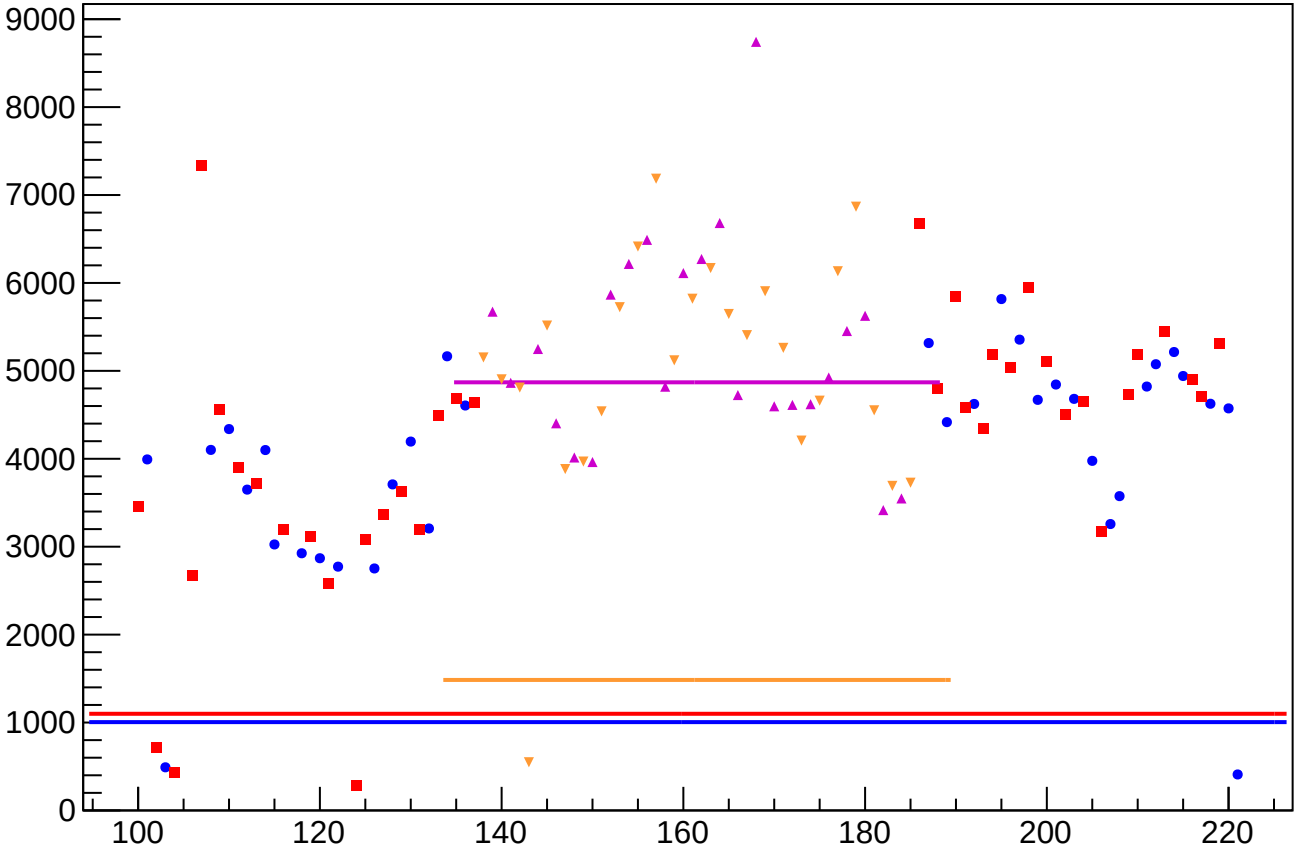
Right: 317.090+/-271.209 χ^2/NDF: 94.4/70

In: 182.809+/-346.644 χ^2/NDF:53.4/56

Out: -80.348+/-325.751 χ^2/NDF:89.8/61

All: 43.061+/-237.384 χ^2/NDF: 143.5/118

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



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: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

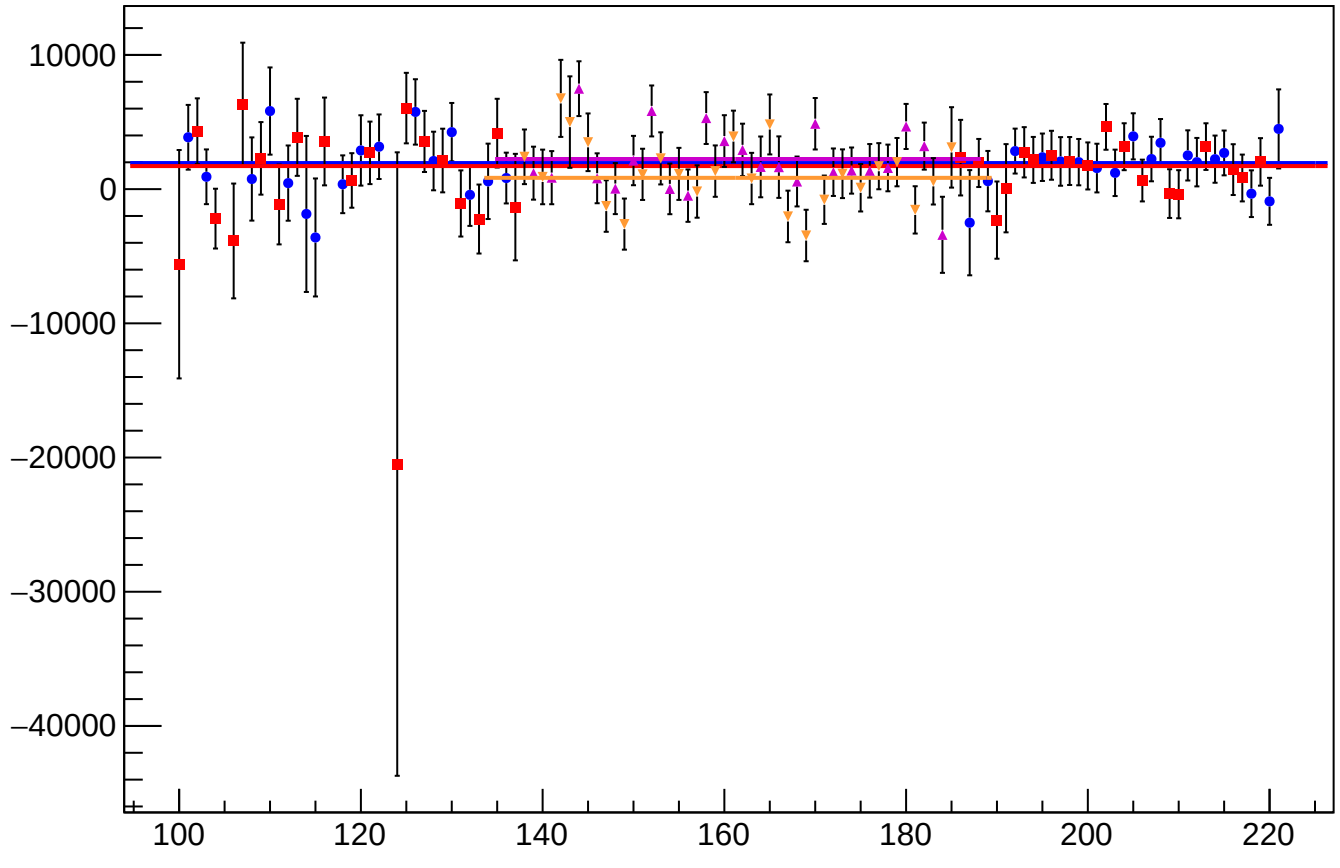
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1046.645+/-0.192 χ^2/NDF: 55121948.5/70

In: 1346.894+/-0.245 χ^2/NDF:49244695.9/56

Out: 1238.984+/-0.230 χ^2/NDF:51224239.0/61

All: 1289.589+/-0.168 χ^2/NDF: 100571857.1



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: 1717.967+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

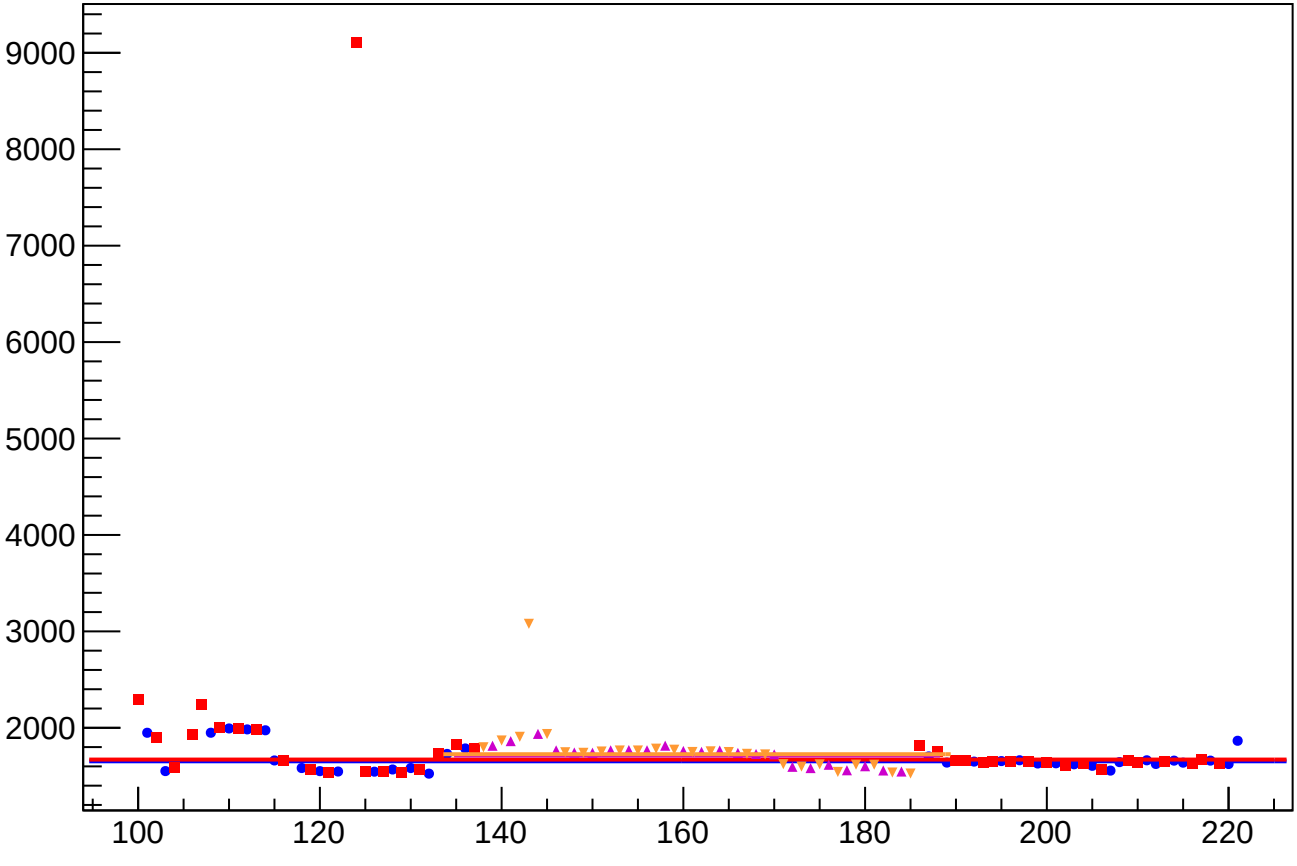
Right: 1832.268+/-254.664 χ^2/NDF: 50.9/70

In: 2077.035+/-266.798 χ^2/NDF:50.4/56

Out: 1316.321+/-267.027 χ^2/NDF:63.1/61

All: 1697.004+/-188.736 χ^2/NDF: 117.5/118

eigen_cor_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: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

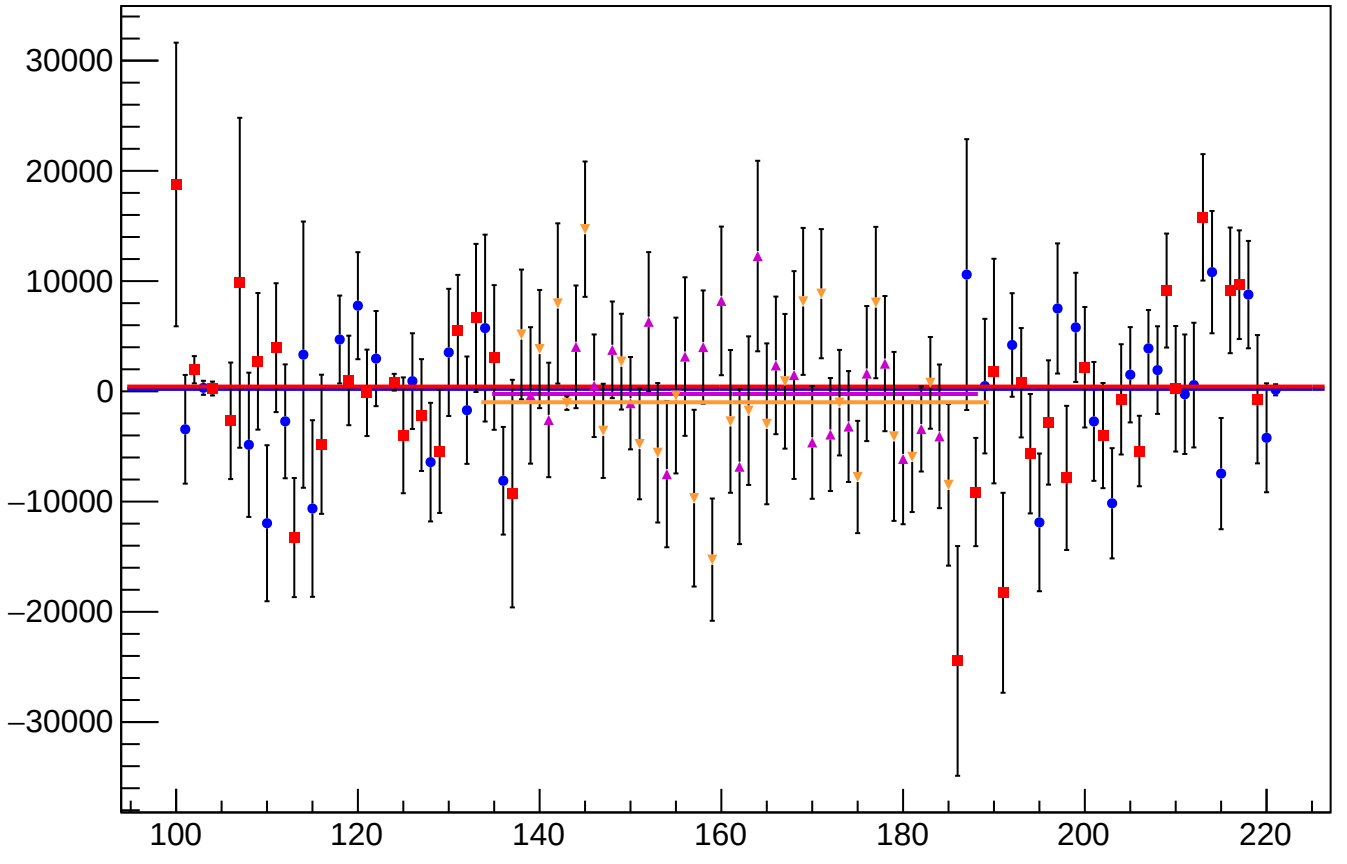
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.553+/-0.180 χ^2/NDF: 592672.9/70

In: 1679.524+/-0.189 χ^2/NDF:321192.9/56

Out: 1695.972+/-0.189 χ^2/NDF:899995.8/61

All: 1687.747+/-0.133 χ^2/NDF: 1224988.8/11



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: 434.800+/-407.906 χ^2/NDF: 54.5/36

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

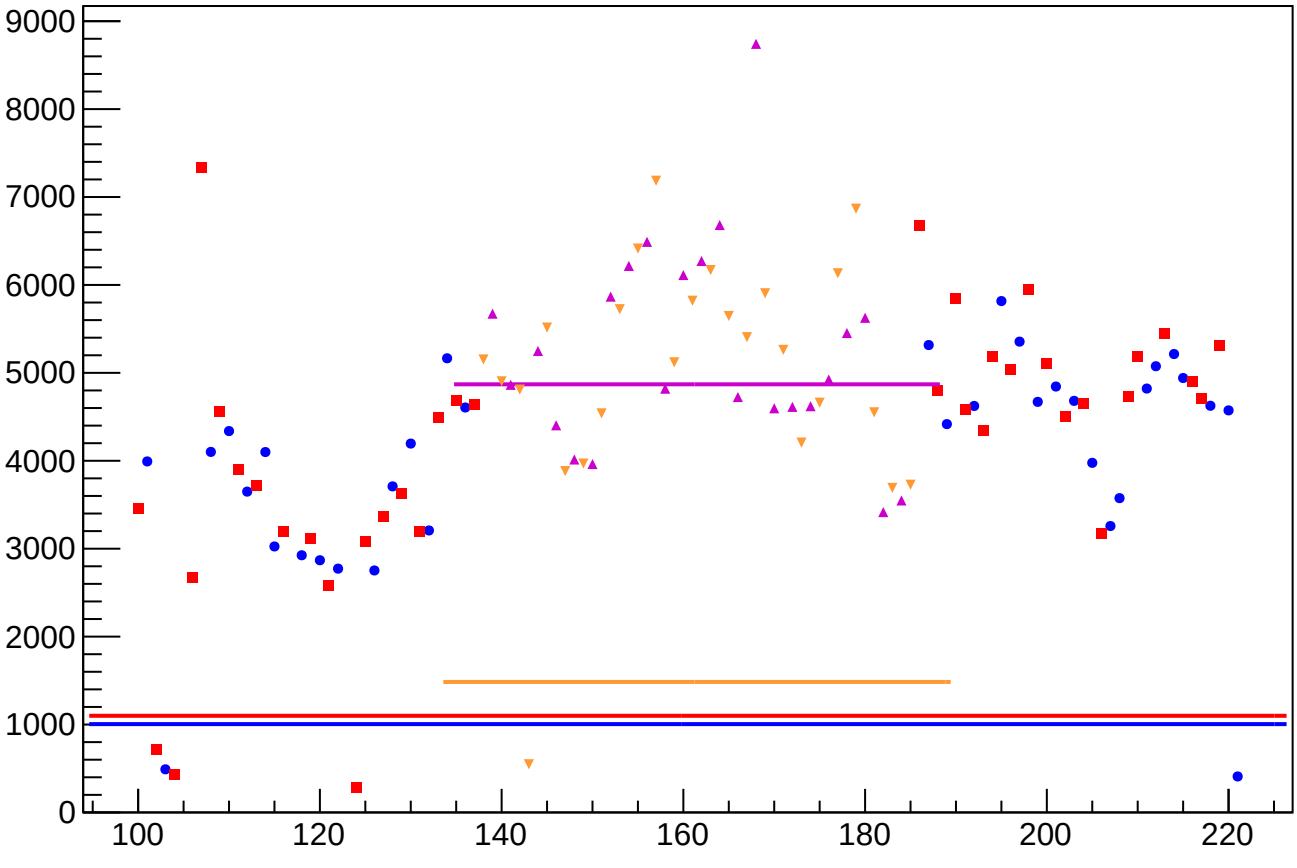
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 317.090+/-271.209 χ^2/NDF: 94.4/70

In: 182.809+/-346.644 χ^2/NDF:53.4/56

Out: -80.348+/-325.751 χ^2/NDF:89.8/61

All: 43.061+/-237.384 χ^2/NDF: 143.5/118



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: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

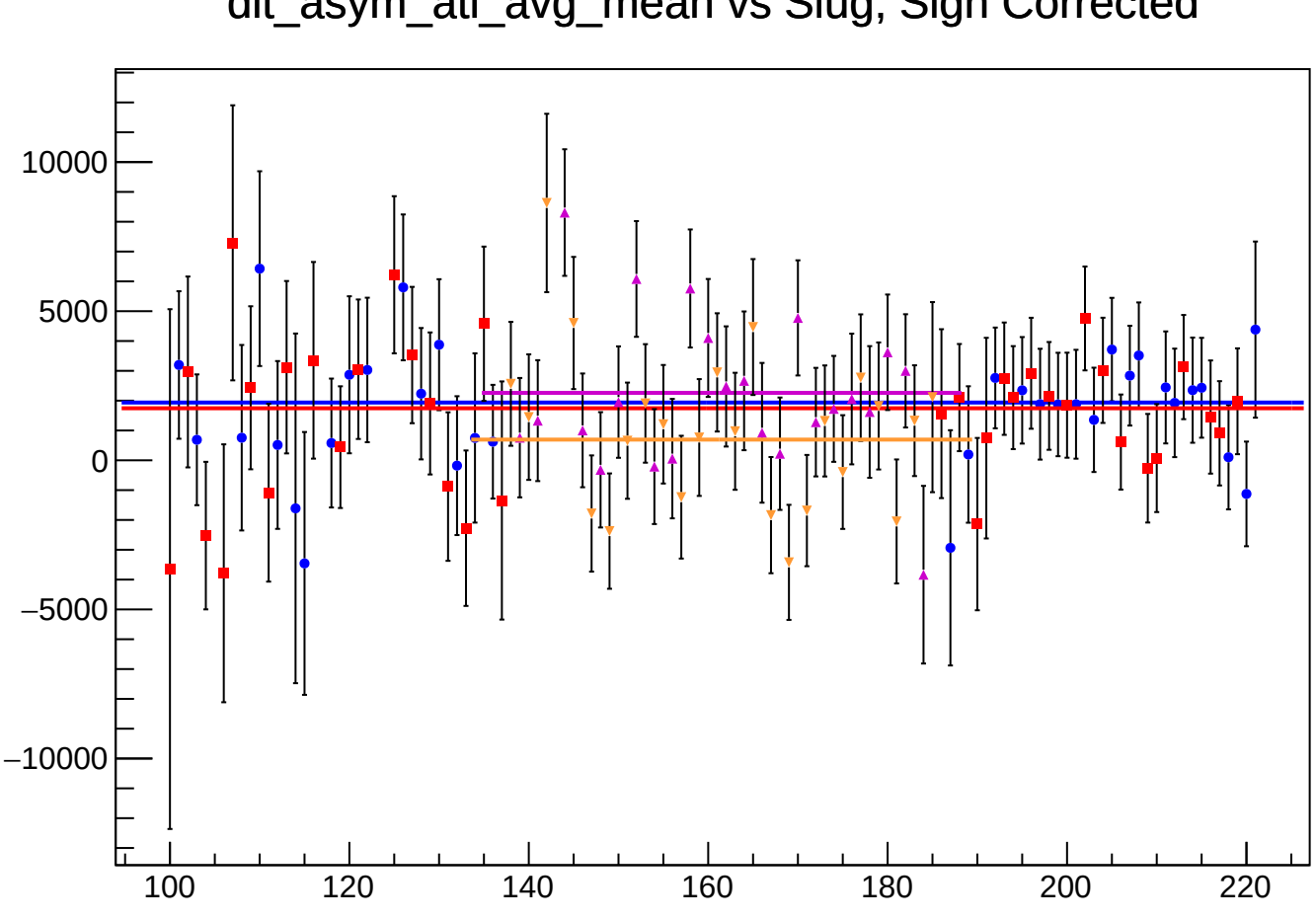
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1046.645+/-0.192 χ^2/NDF: 55121948.5/70

In: 1346.894+/-0.245 χ^2/NDF:49244695.9/56

Out: 1238.984+/-0.230 χ^2/NDF:51224239.0/61

All: 1289.589+/-0.168 χ^2/NDF: 100571857.1



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: 1744.905+/-368.411 χ^2/NDF: 27.2/35

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

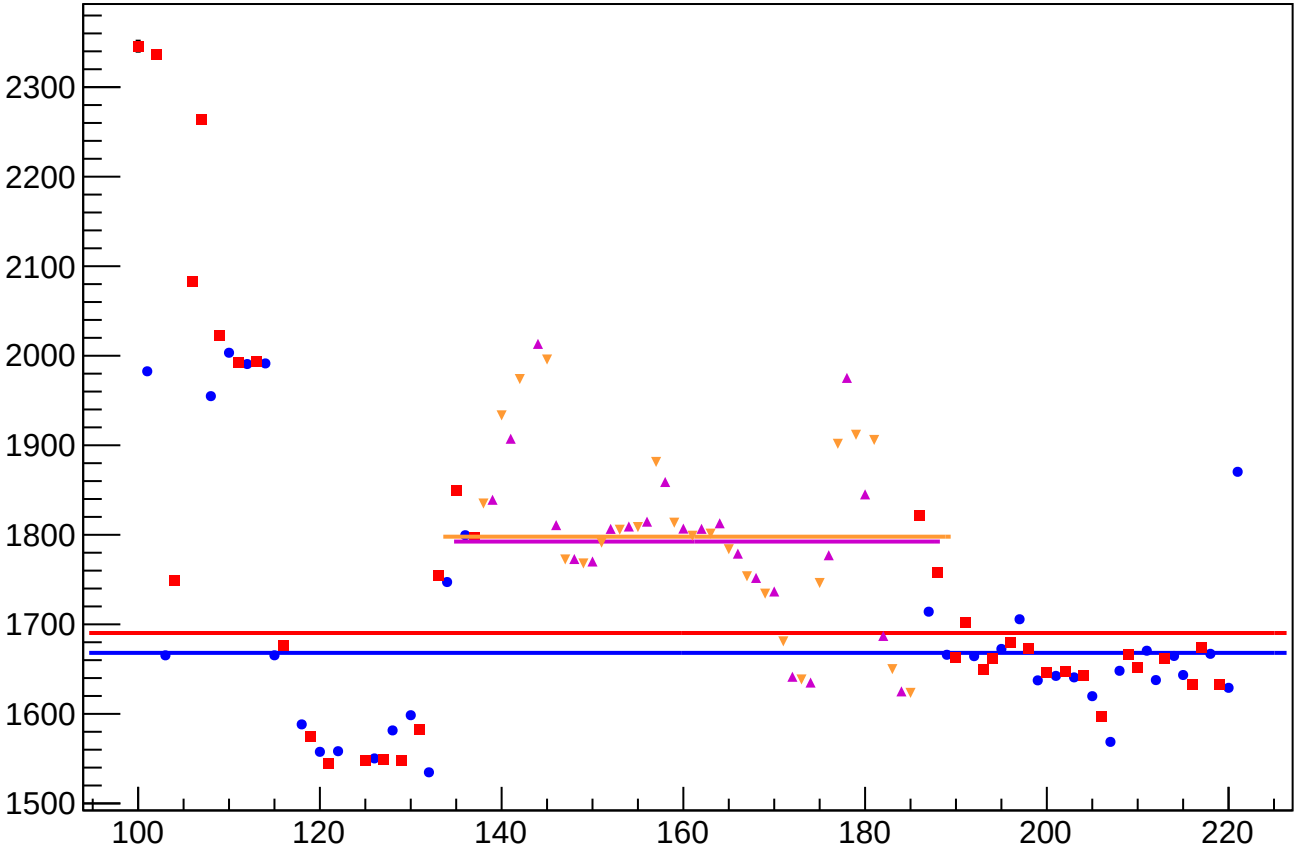
Right: 1842.867+/-257.839 χ^2/NDF: 47.3/69

In: 2075.246+/-273.533 χ^2/NDF:50.7/56

Out: 1285.658+/-276.399 χ^2/NDF:63.0/59

All: 1684.566+/-194.422 χ^2/NDF: 117.8/116

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1668.138+/-0.255 χ^2/NDF: 163416.3/33

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.9/35

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

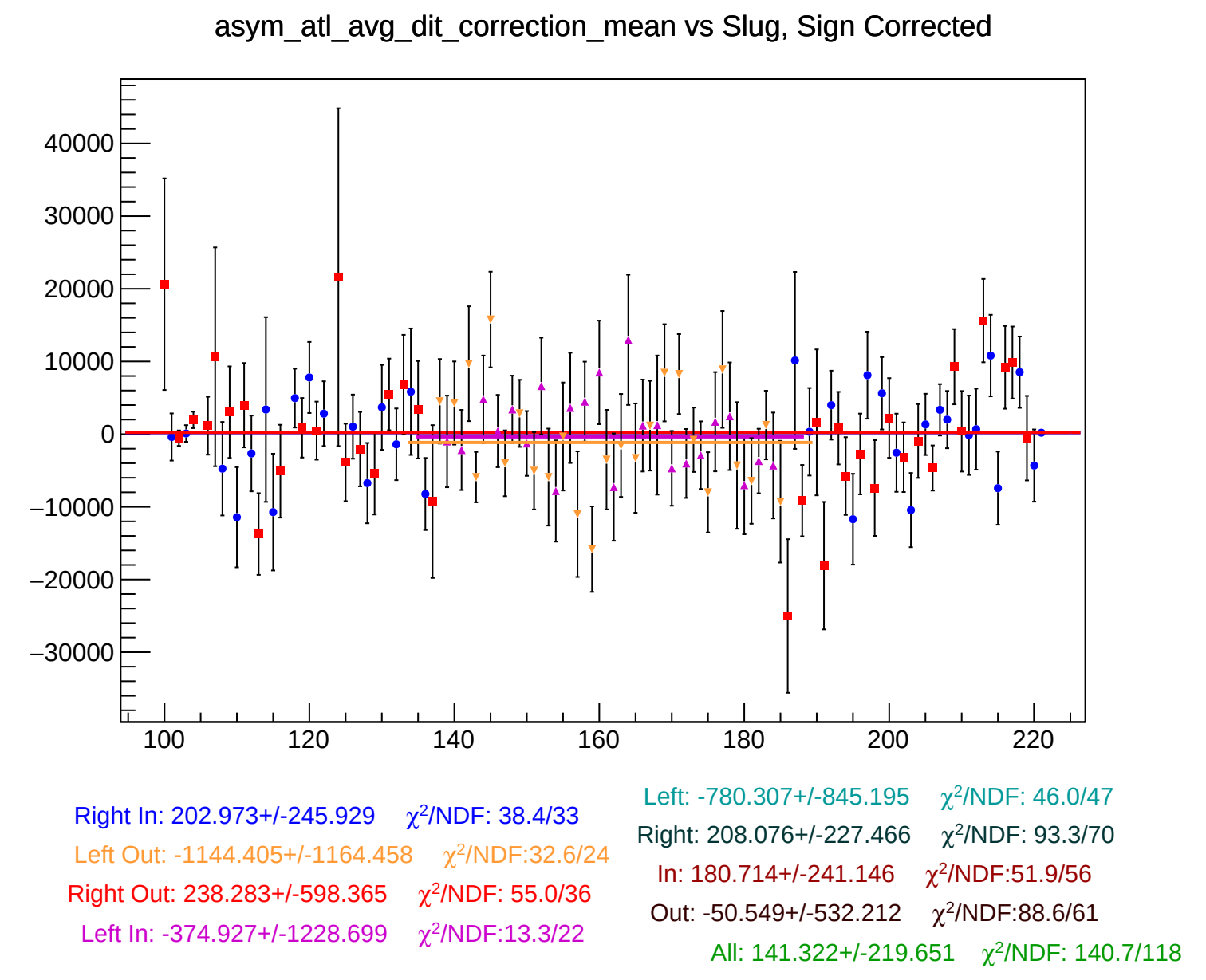
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

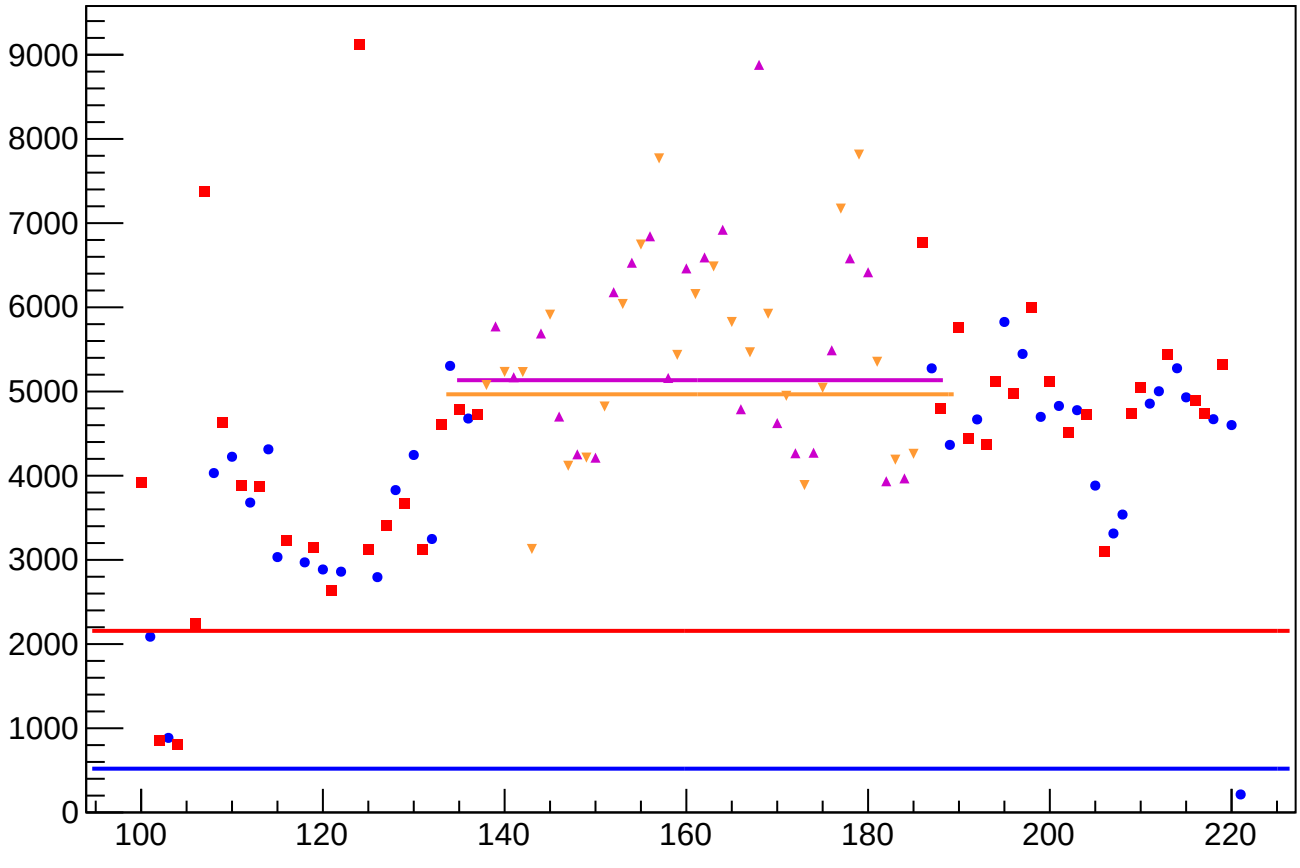
Right: 1679.021+/-0.182 χ^2/NDF: 458456.3/69

In: 1721.073+/-0.193 χ^2/NDF:357288.8/56

Out: 1737.324+/-0.195 χ^2/NDF:463915.2/59

All: 1729.117+/-0.137 χ^2/NDF: 824698.5/116


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 202.973+/-245.929 χ²/NDF: 38.4/33
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: 238.283+/-598.365 χ²/NDF: 55.0/36
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: 208.076+/-227.466 χ²/NDF: 93.3/70
In: 180.714+/-241.146 χ²/NDF:51.9/56
Out: -50.549+/-532.212 χ²/NDF:88.6/61
All: 141.322+/-219.651 χ²/NDF: 140.7/118



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: 2156.923+/-0.423 χ^2/NDF: 16820162.9/36

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

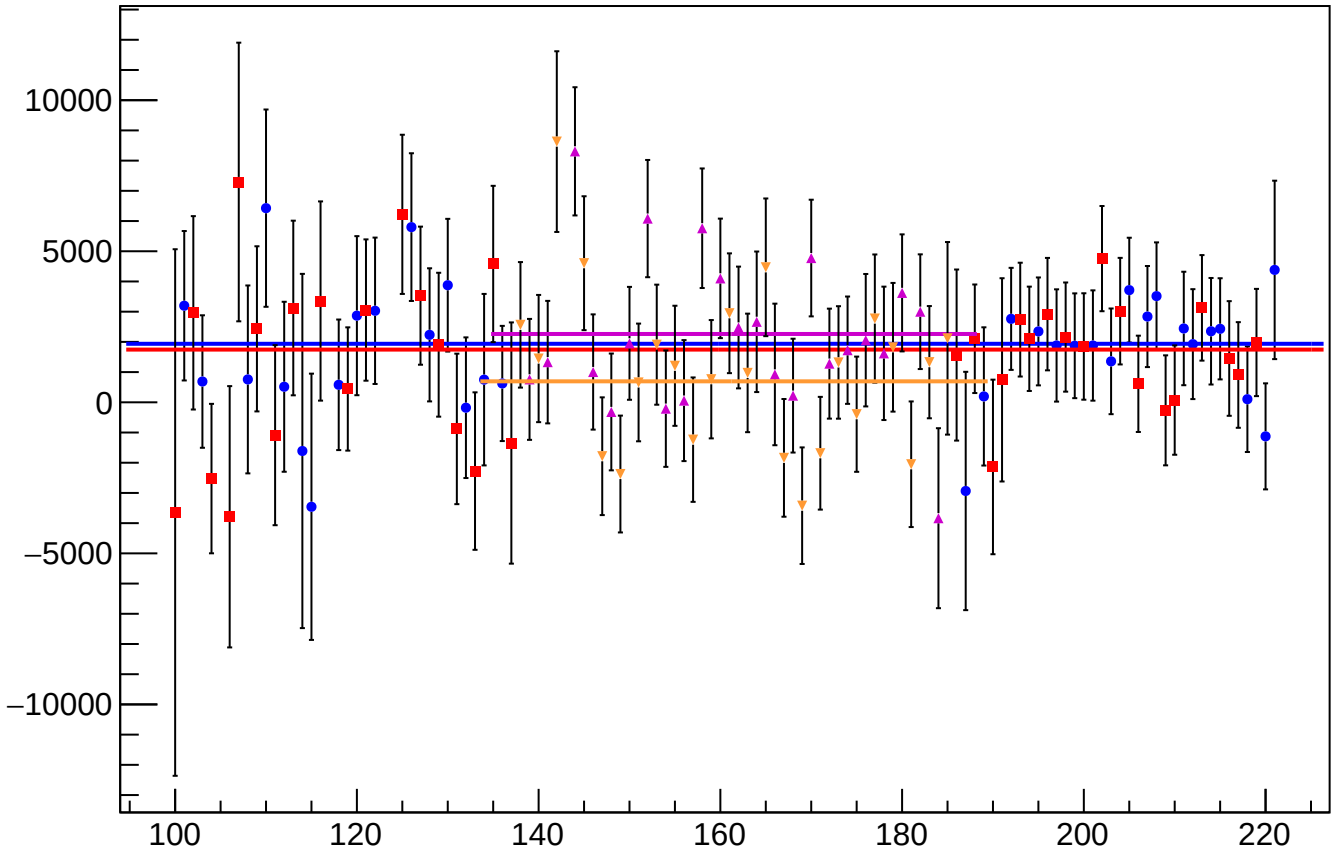
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 756.592+/-0.161 χ^2/NDF: 63284063.5/70

In: 697.784+/-0.171 χ^2/NDF:62268296.7/56

Out: 2743.899+/-0.376 χ^2/NDF:27951442.7/61

All: 1046.303+/-0.155 χ^2/NDF: 114745670.5



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: 1744.901+/-368.411 χ^2/NDF: 27.2/35

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

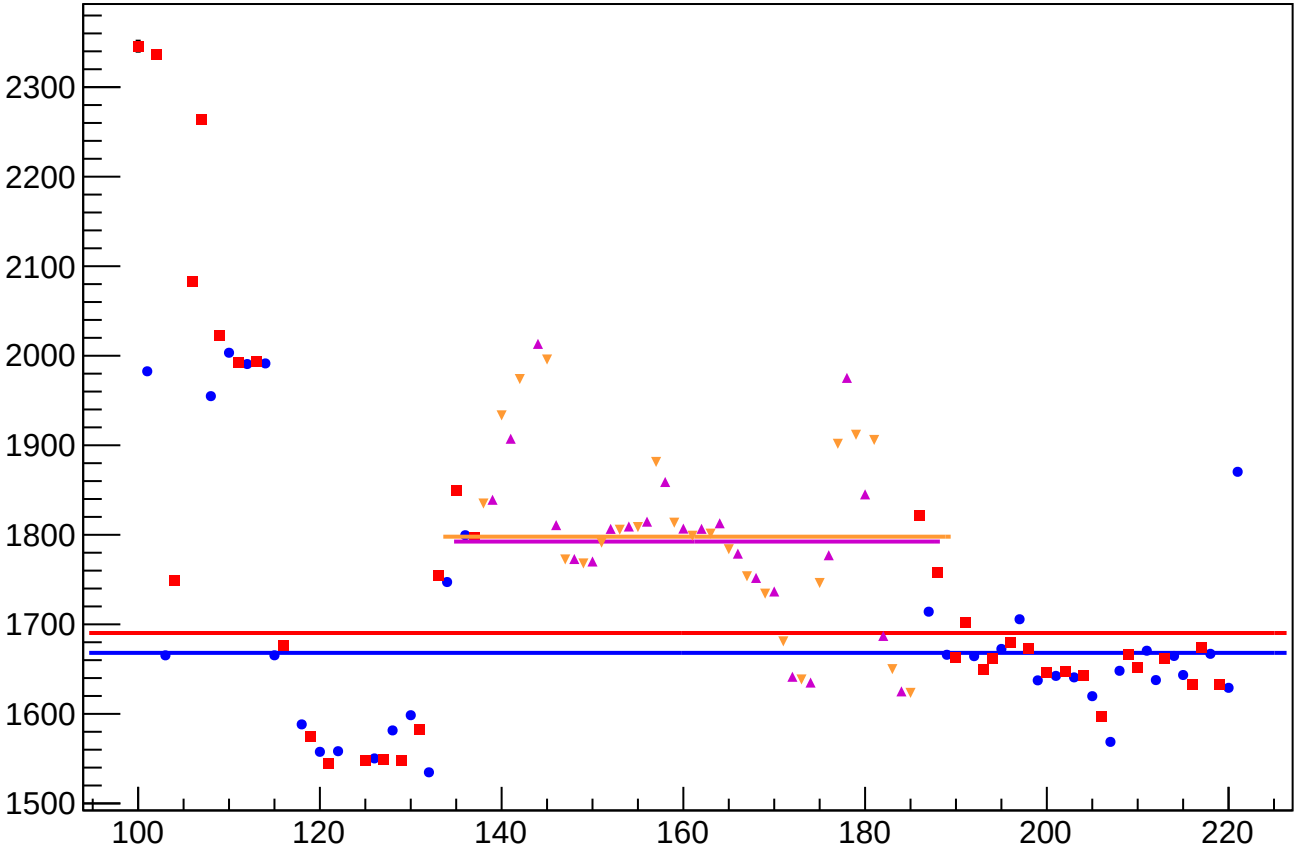
Right: 1842.865+/-257.839 χ^2/NDF: 47.3/69

In: 2075.245+/-273.533 χ^2/NDF:50.7/56

Out: 1285.655+/-276.399 χ^2/NDF:63.0/59

All: 1684.564+/-194.422 χ^2/NDF: 117.8/116

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



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: 1690.339+/-0.260 χ^2/NDF: 291331.4/35

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

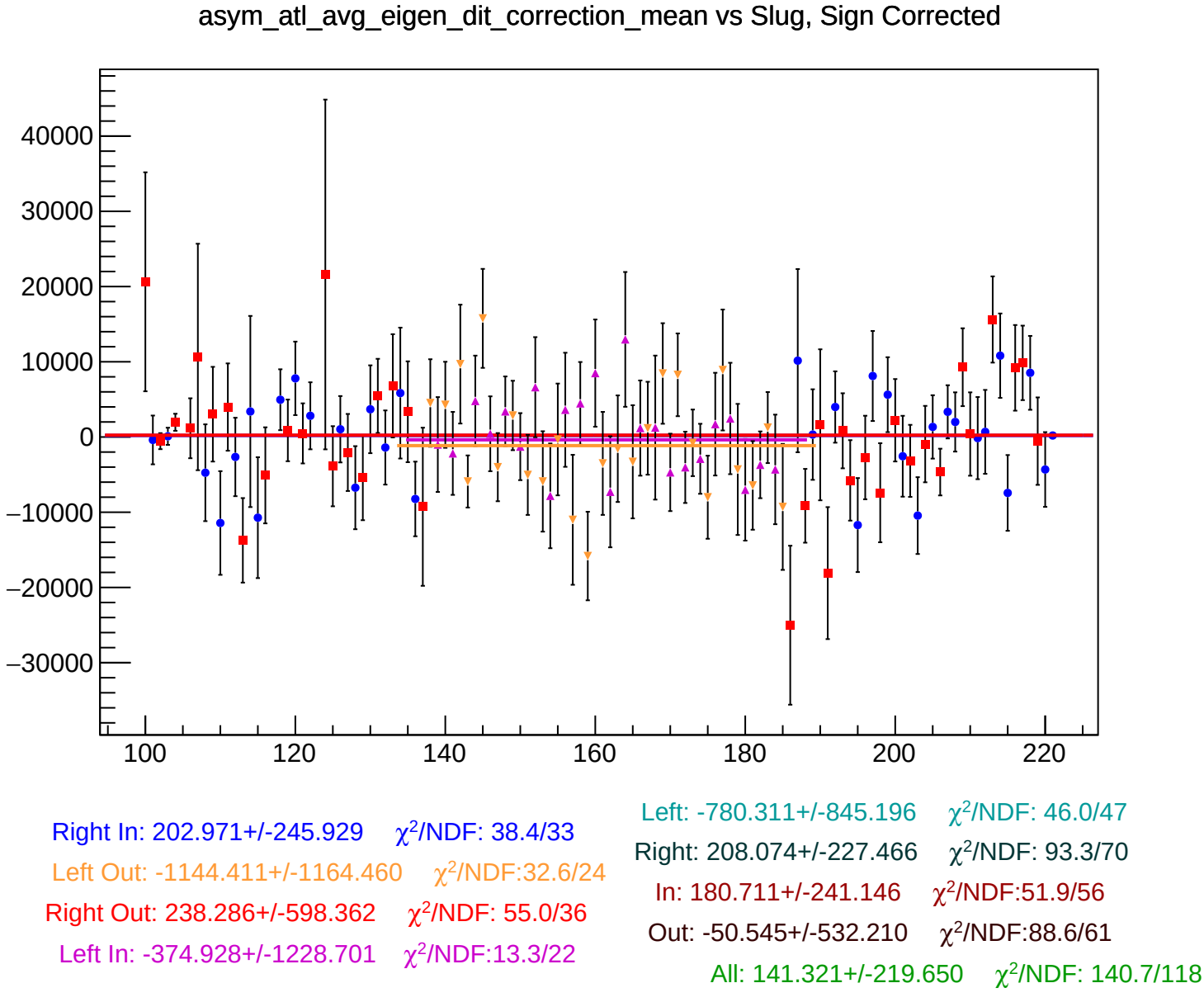
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

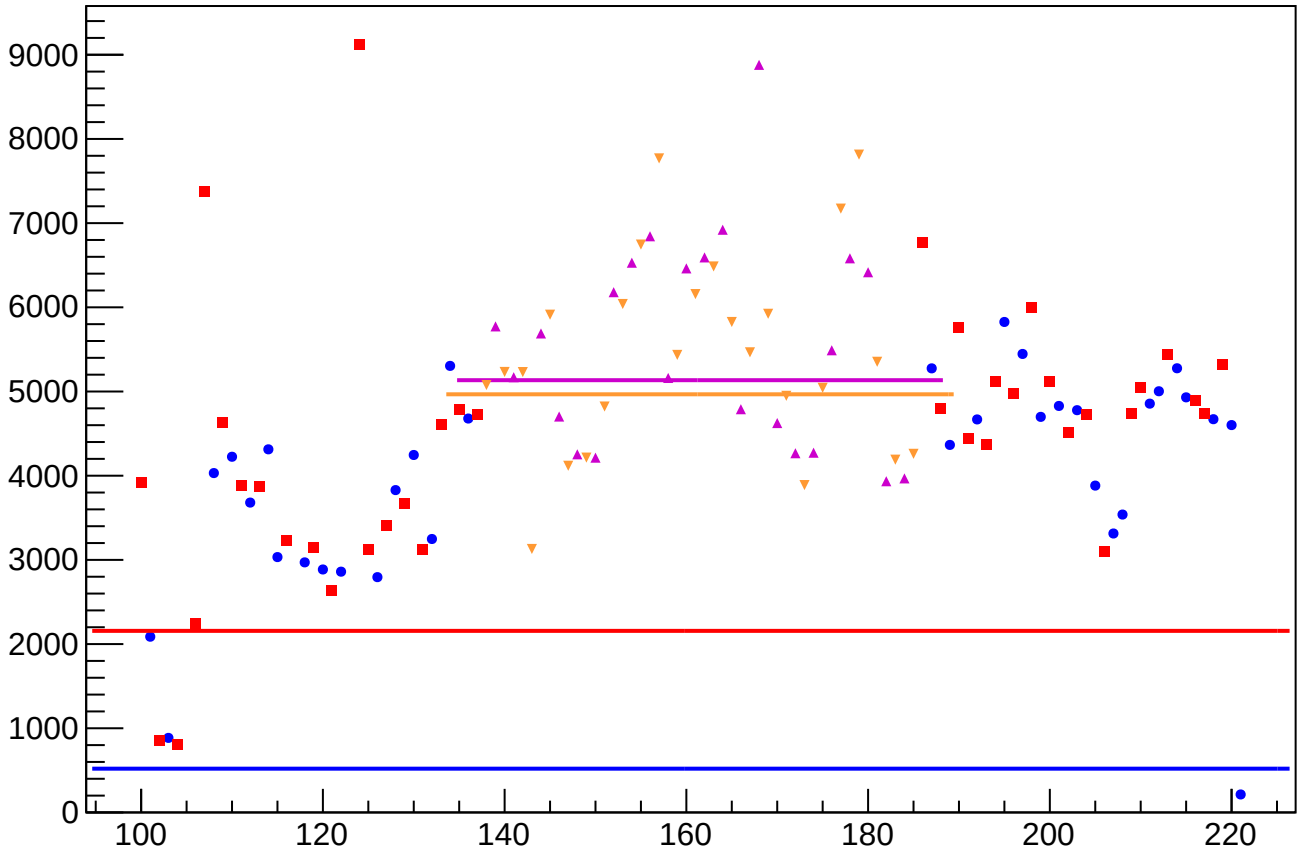
Right: 1679.020+/-0.182 χ^2/NDF: 458455.9/69

In: 1721.073+/-0.193 χ^2/NDF:357294.4/56

Out: 1737.325+/-0.195 χ^2/NDF:463920.0/59

All: 1729.117+/-0.137 χ^2/NDF: 824709.0/116


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 202.971+/-245.929 χ²/NDF: 38.4/33
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: 238.286+/-598.362 χ²/NDF: 55.0/36
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: 208.074+/-227.466 χ²/NDF: 93.3/70
In: 180.711+/-241.146 χ²/NDF:51.9/56
Out: -50.545+/-532.210 χ²/NDF:88.6/61
All: 141.321+/-219.650 χ²/NDF: 140.7/118



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: 2156.904+/-0.423 χ^2/NDF: 16820333.4/36

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

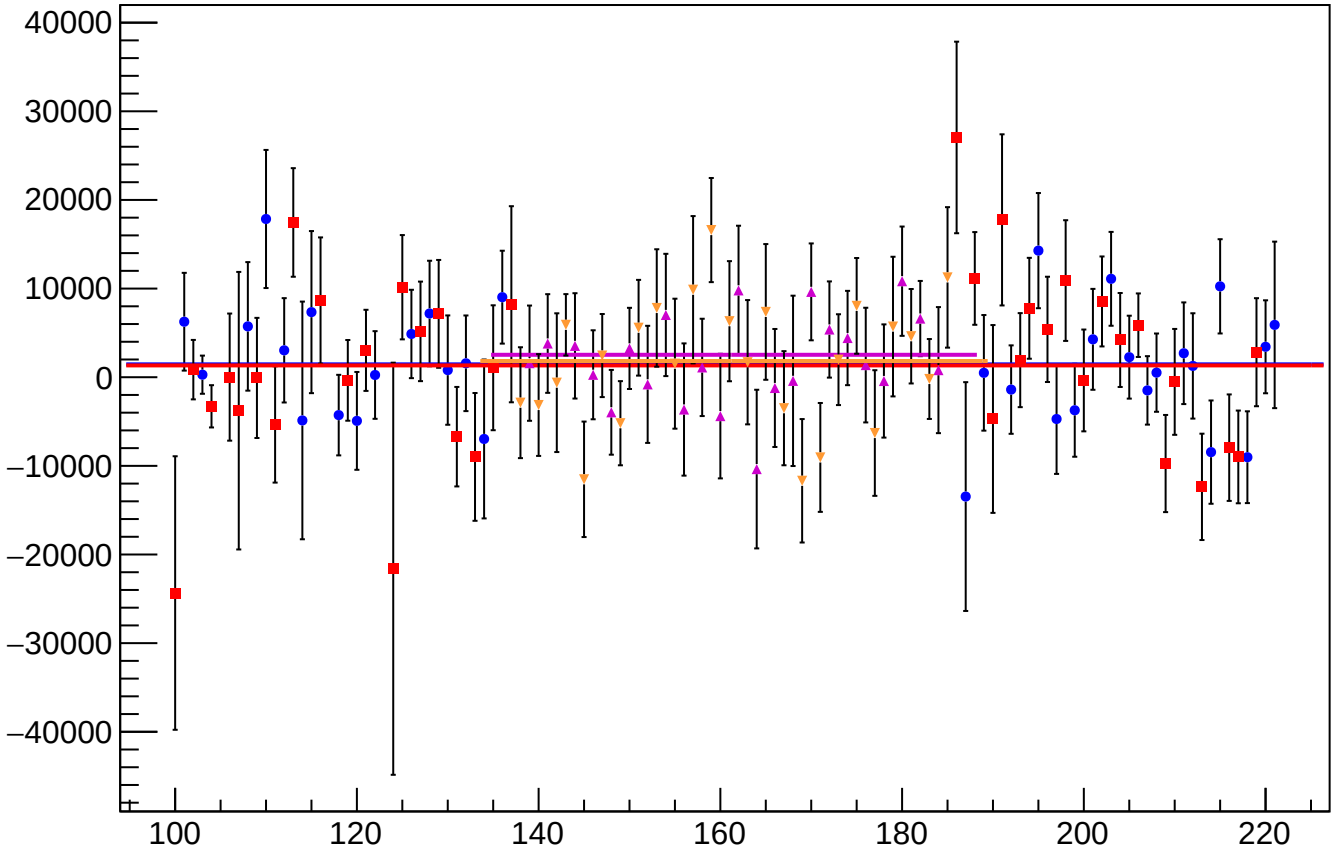
Right: 756.590+/-0.161 χ^2/NDF: 63284084.4/70

In: 697.783+/-0.171 χ^2/NDF:62268331.5/56

Out: 2743.879+/-0.376 χ^2/NDF:27951789.0/61

All: 1046.301+/-0.155 χ^2/NDF: 114745781.9

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: 1331.849+/-915.616 χ^2/NDF: 61.0/36

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

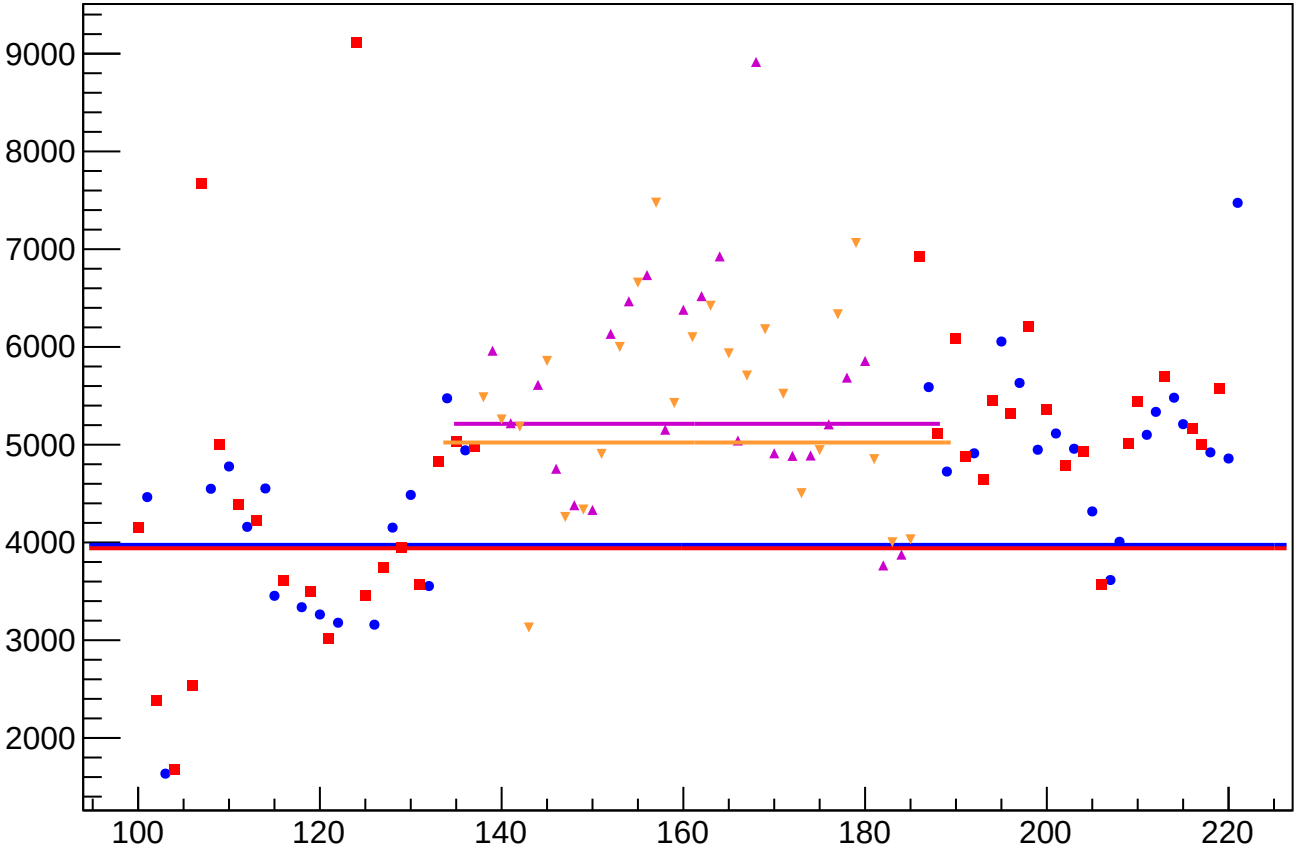
Right: 1391.832+/-643.023 χ^2/NDF: 96.8/70

In: 1823.559+/-730.508 χ^2/NDF:49.5/56

Out: 1519.120+/-721.642 χ^2/NDF:92.2/61

All: 1669.481+/-513.384 χ^2/NDF: 141.8/118

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: 3940.359+/-0.642 χ^2/NDF: 4714306.6/36

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

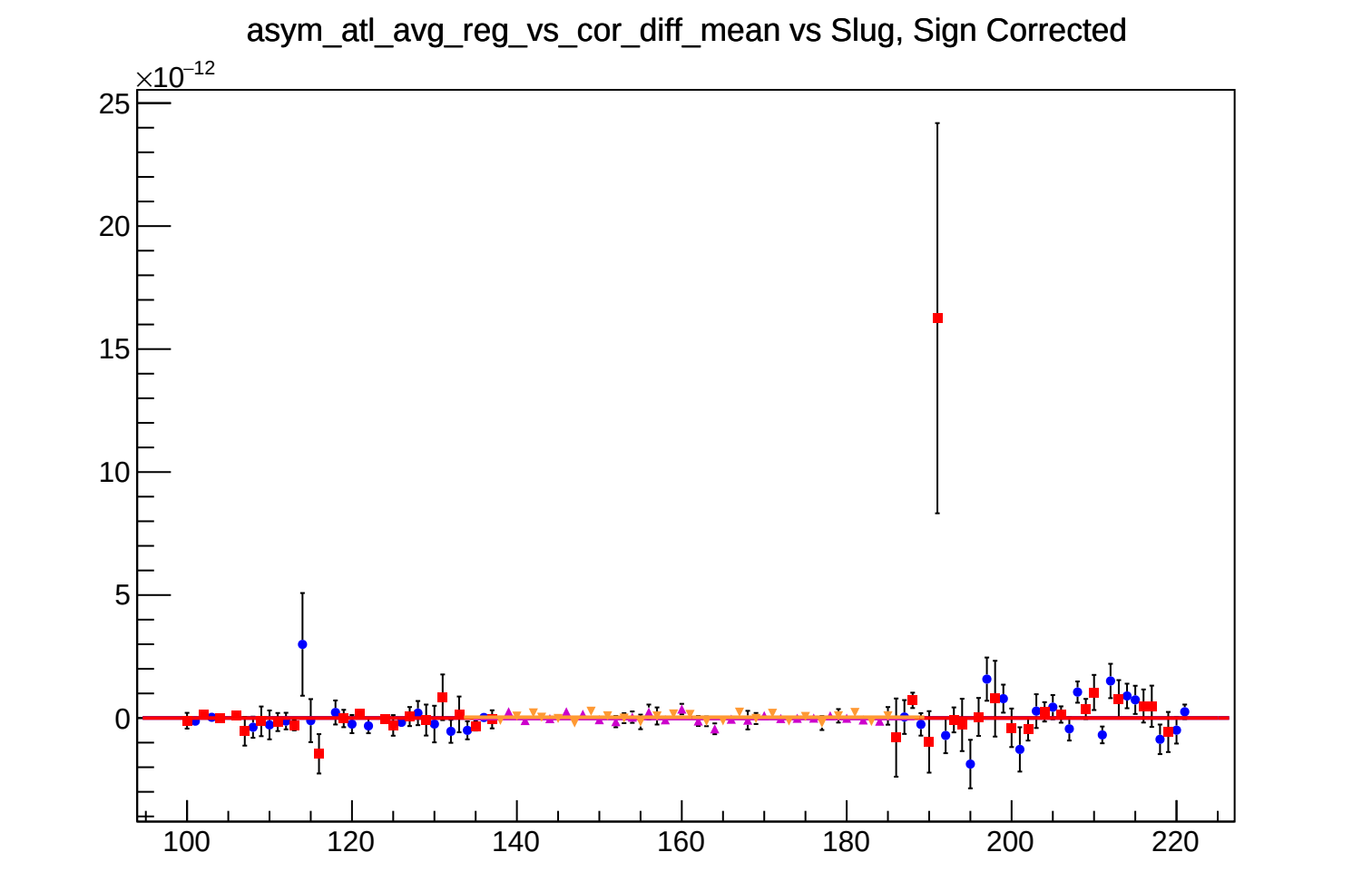
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3957.843+/-0.453 χ^2/NDF: 9017058.8/70

In: 4403.568+/-0.517 χ^2/NDF:6825120.2/56

Out: 4345.890+/-0.508 χ^2/NDF:7455909.4/61

All: 4374.222+/-0.362 χ^2/NDF: 14287373.2/



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: 32.9/36

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

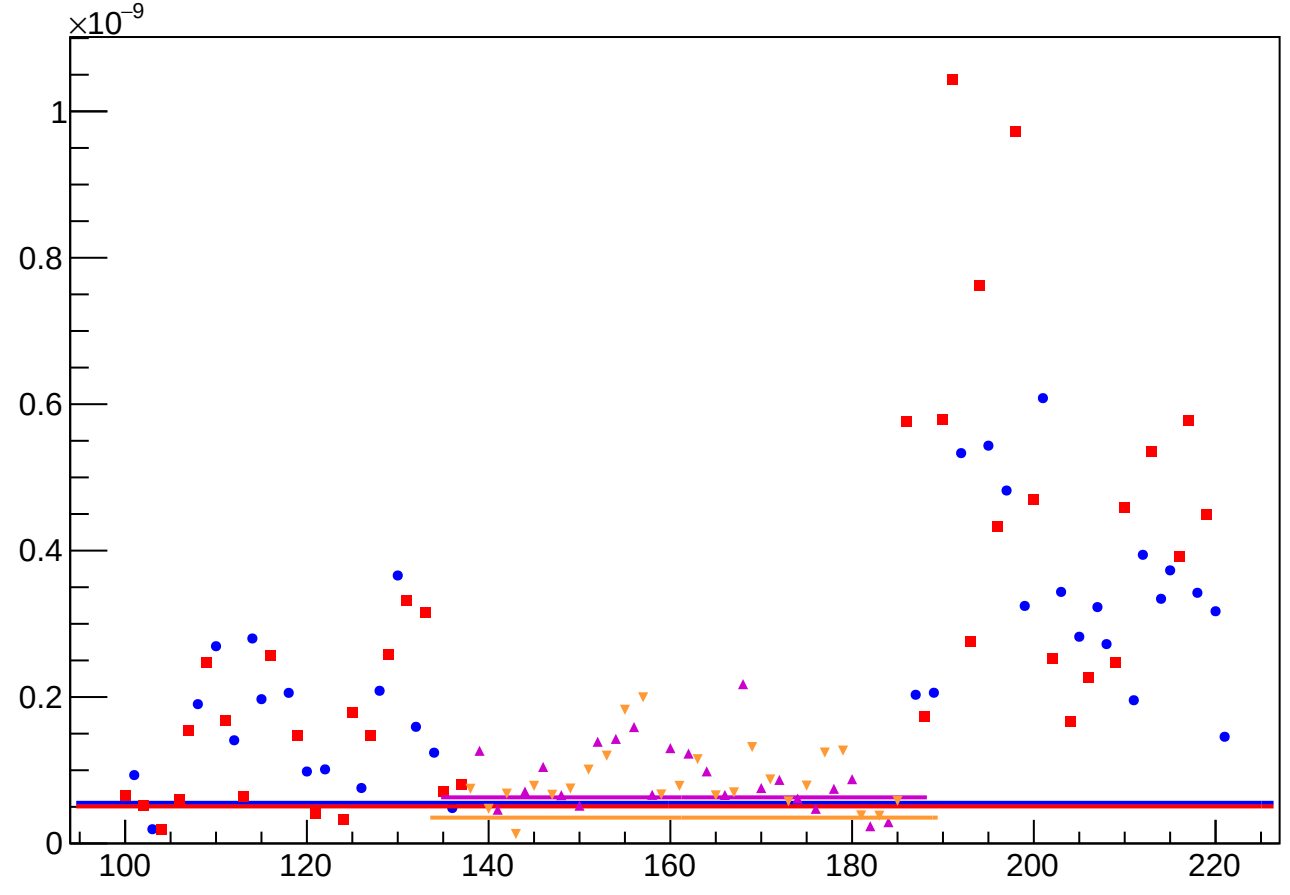
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: 0.000+/-0.000 χ^2/NDF: 80.6/70

In: -0.000+/-0.000 χ^2/NDF:67.1/56

Out: 0.000+/-0.000 χ^2/NDF:58.6/61

All: 0.000+/-0.000 χ^2/NDF: 127.3/118



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: 11846643.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

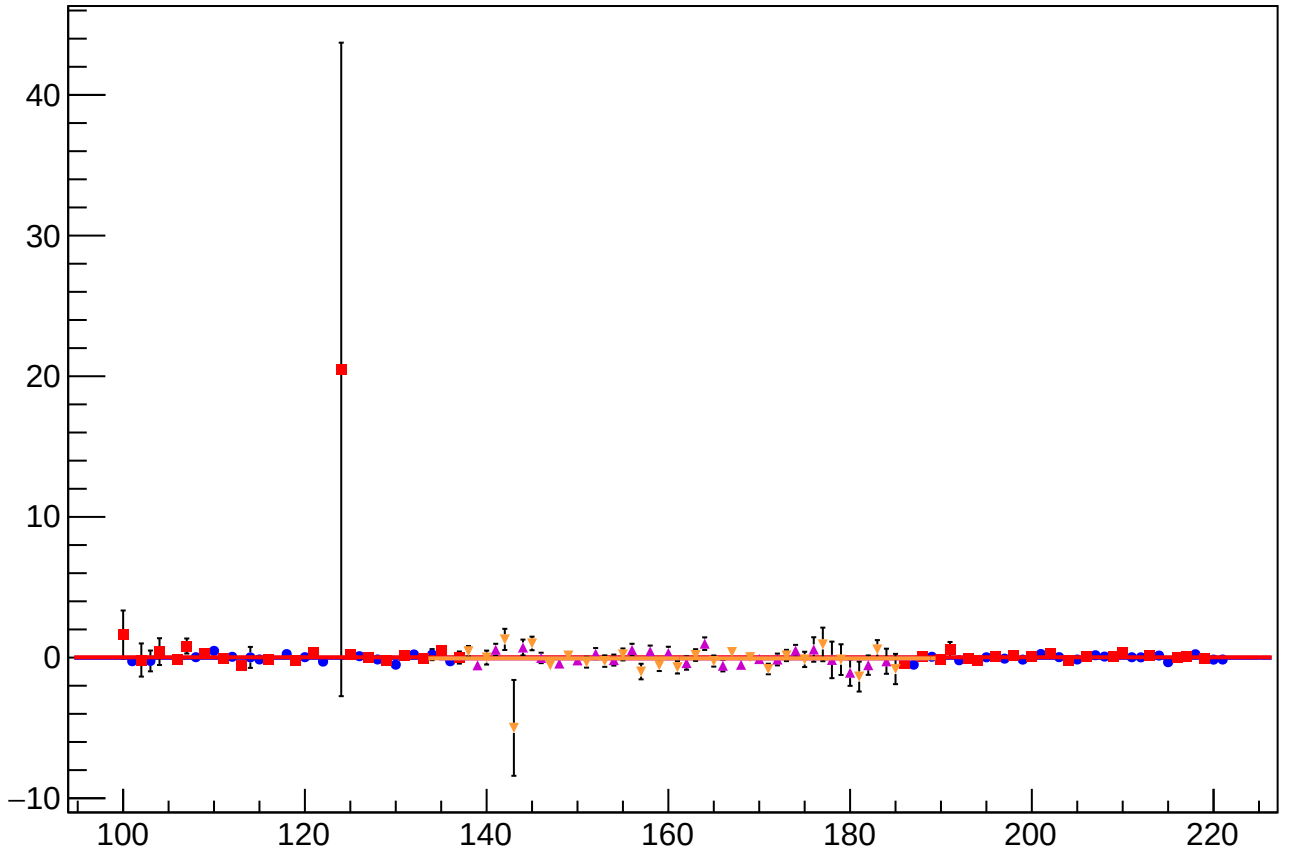
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 23691178.2/70

In: 0.000+/-0.000 χ^2/NDF:14815423.4/56

Out: 0.000+/-0.000 χ^2/NDF:18707291.4/61

All: 0.000+/-0.000 χ^2/NDF: 34757968.8/118



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: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

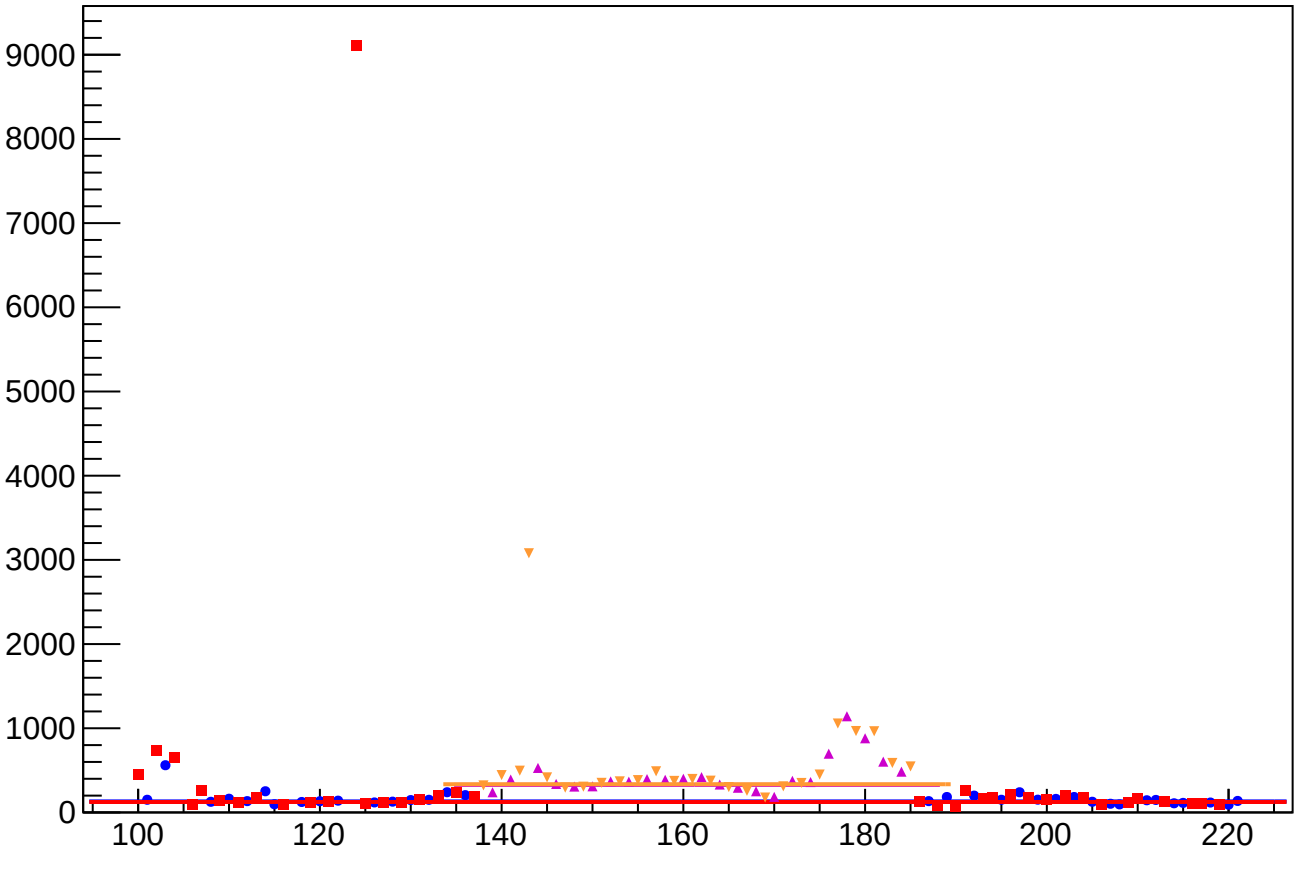
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.002+/-0.021 χ^2/NDF: 79.8/70

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: -0.005+/-0.020 χ^2/NDF: 141.9/118



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: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

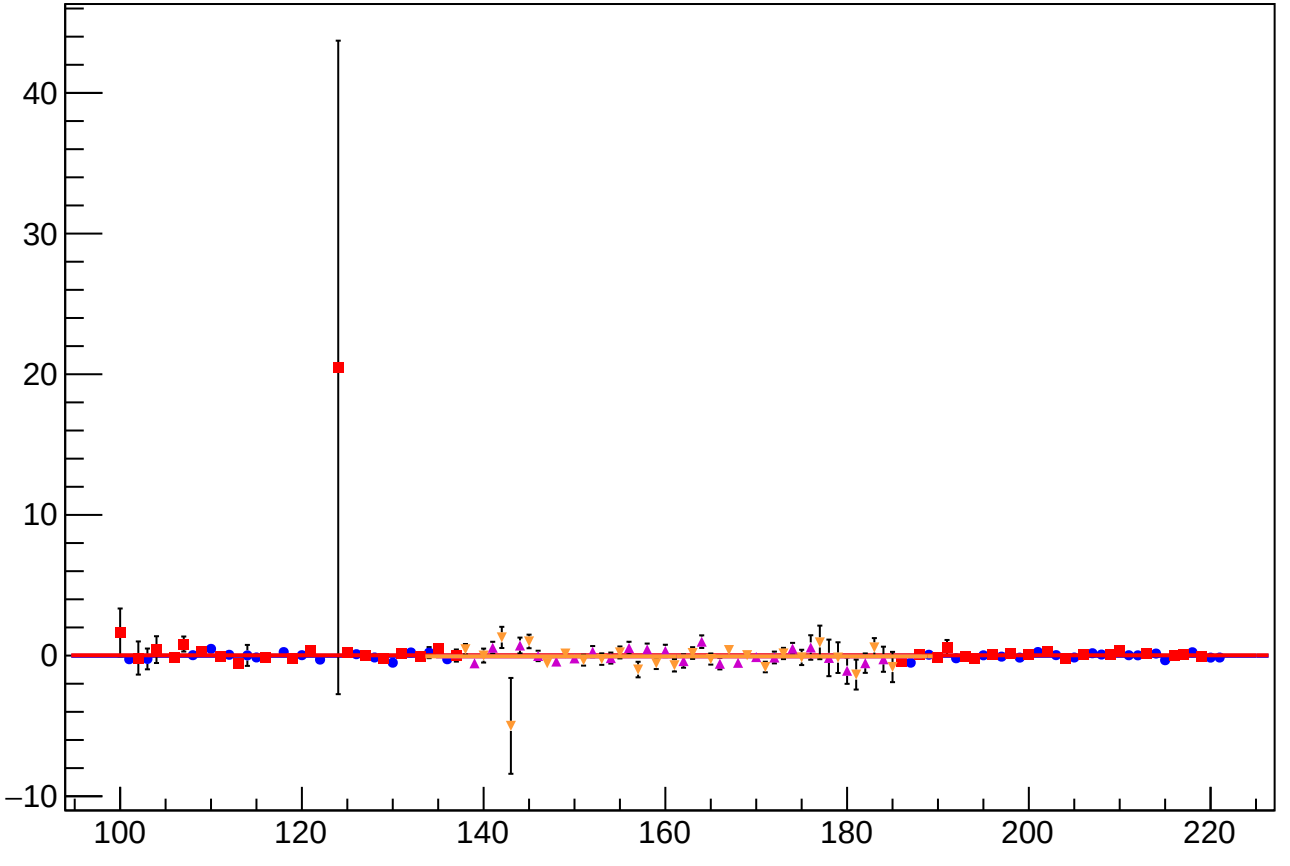
Right: 127.683+/-0.015 χ^2/NDF: 7420695.8/70

In: 154.615+/-0.020 χ^2/NDF:16910040.3/56

Out: 147.890+/-0.020 χ^2/NDF:21421296.1/61

All: 151.218+/-0.014 χ^2/NDF: 38387231.8/11

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: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

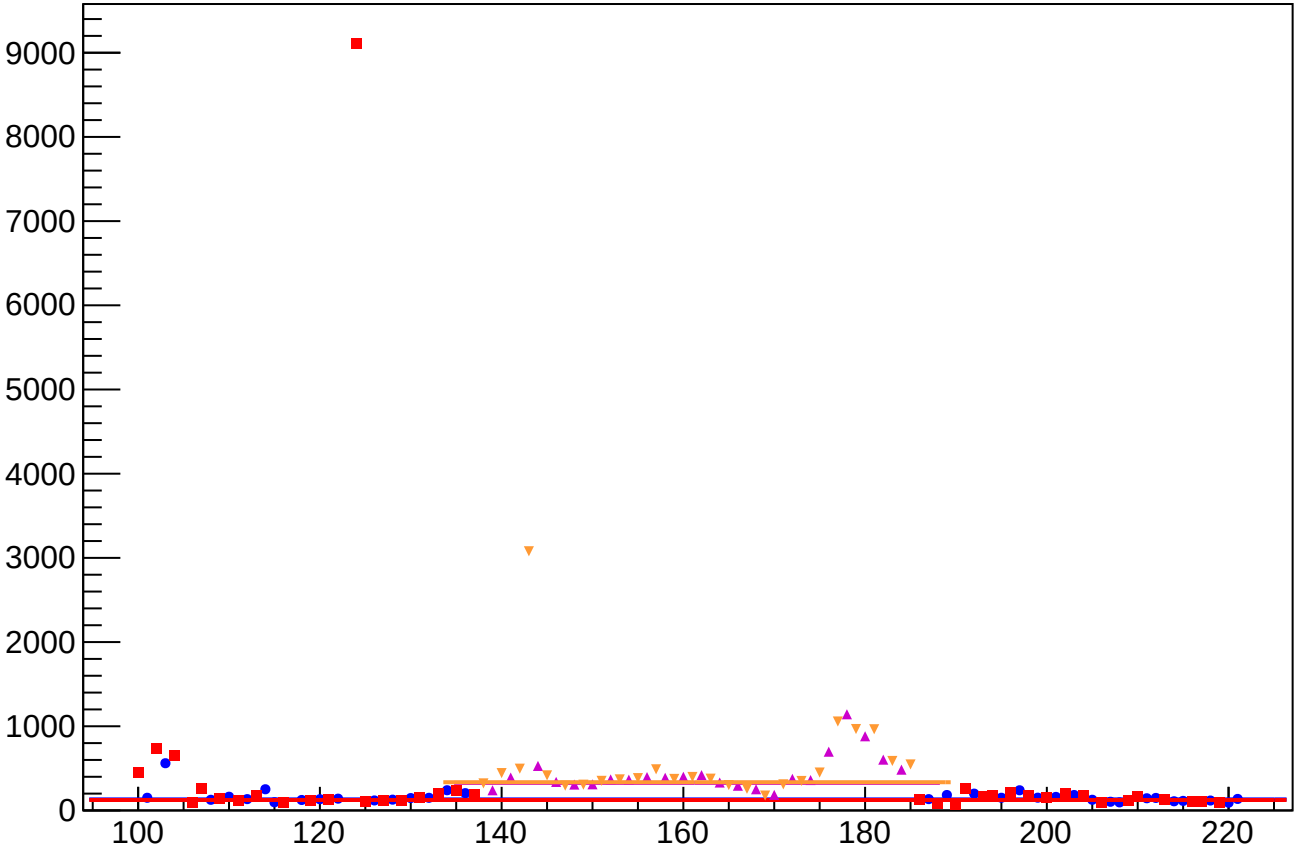
Right: 0.002+/-0.021 χ^2/NDF: 79.8/70

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: -0.005+/-0.020 χ^2/NDF: 141.9/118

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: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

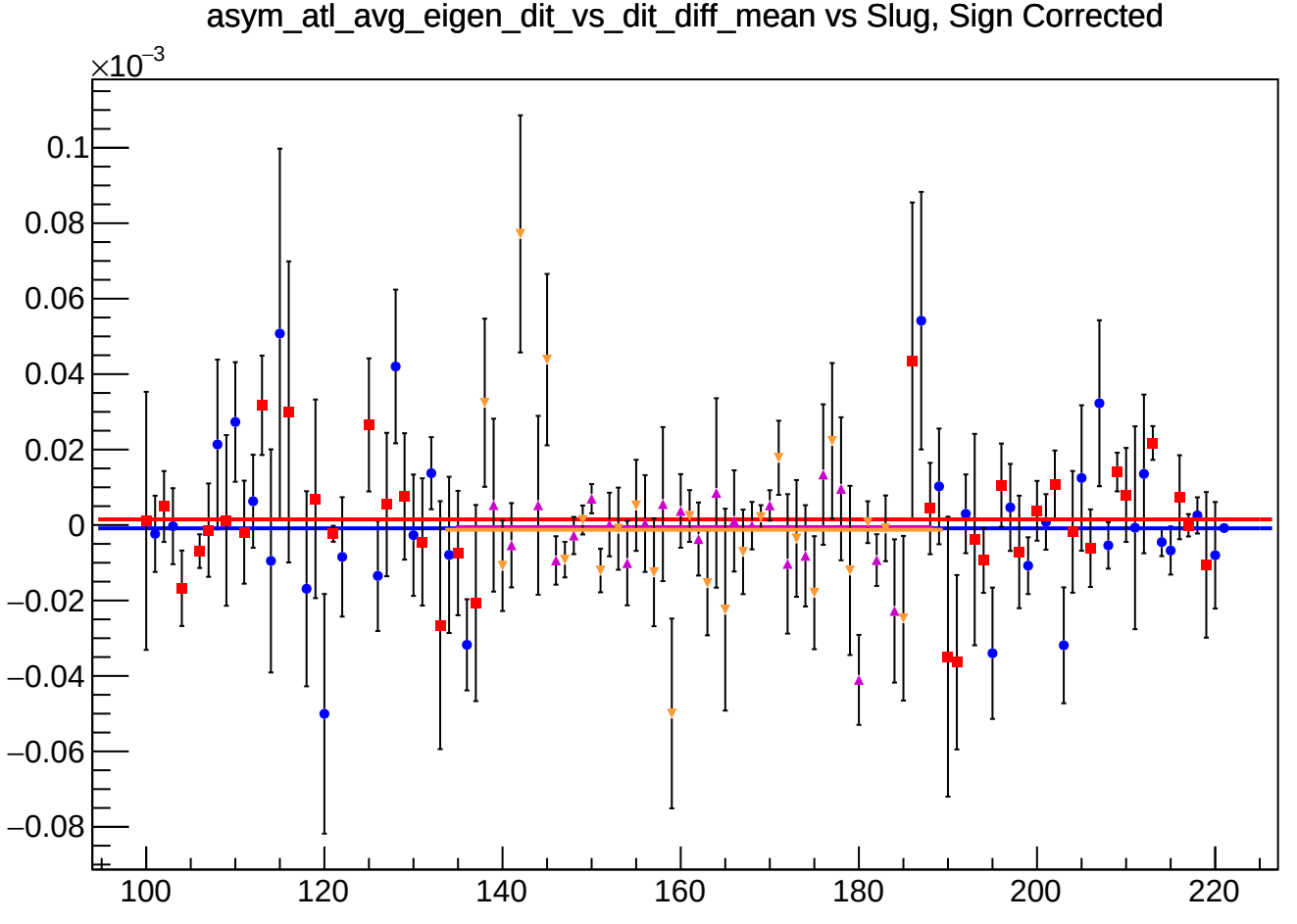
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 127.683+/-0.015 χ^2/NDF: 7420695.8/70

In: 154.615+/-0.020 χ^2/NDF:16910040.3/56

Out: 147.890+/-0.020 χ^2/NDF:21421296.1/61

All: 151.218+/-0.014 χ^2/NDF: 38387231.8/11



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: 57.1/35

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

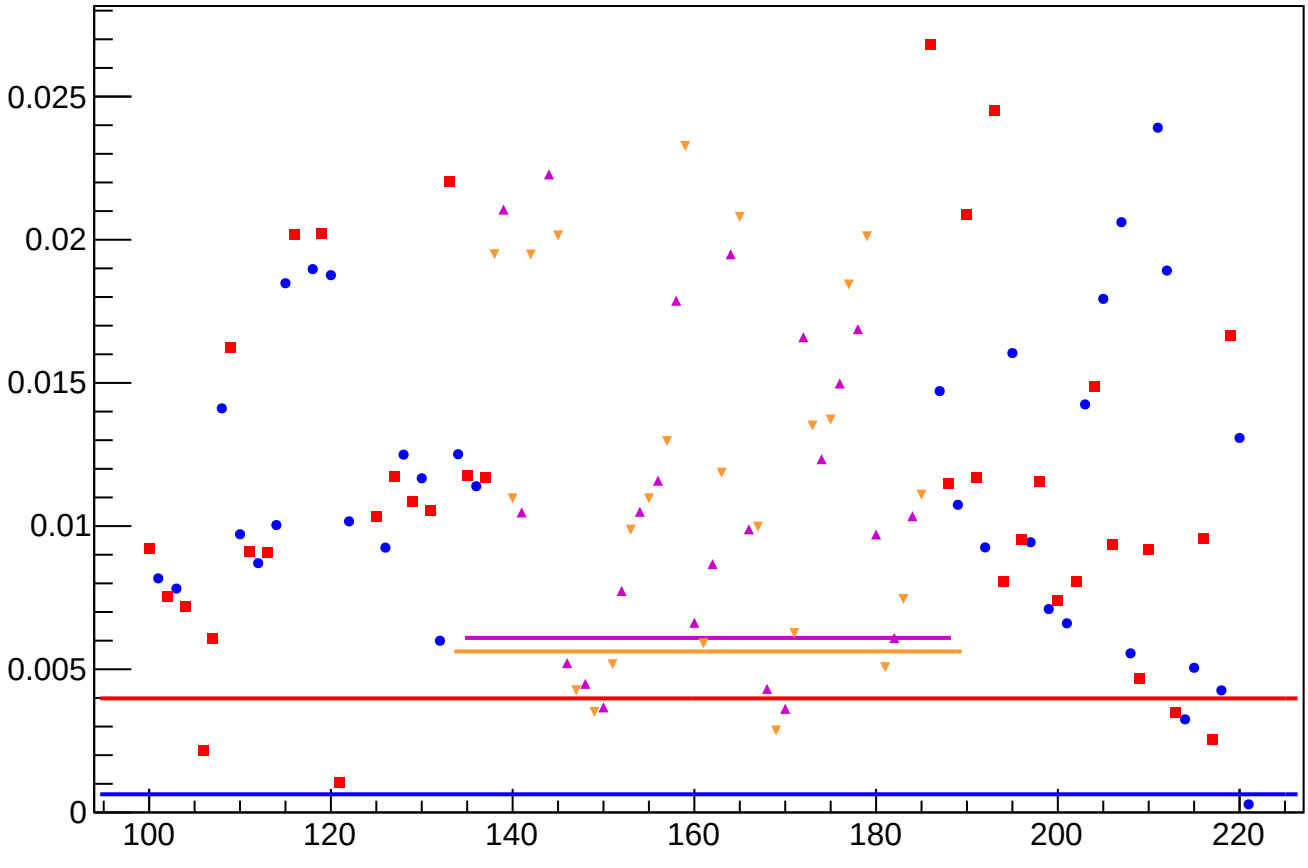
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 102.5/69

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: 0.000+/-0.000 χ^2/NDF:94.6/59

All: -0.000+/-0.000 χ^2/NDF: 163.9/116



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: 0.004+/-0.000 χ^2/NDF: 18561448.4/35

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

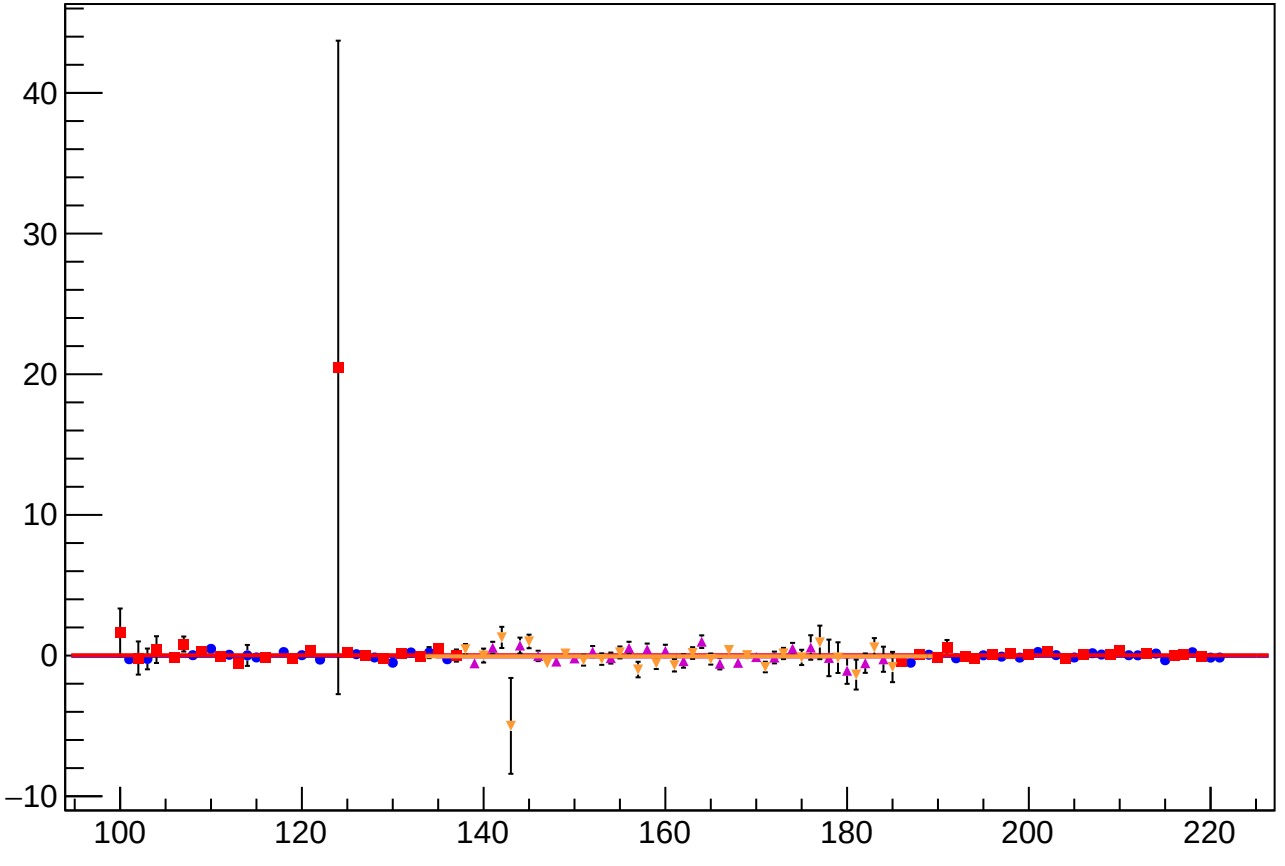
Right: 0.001+/-0.000 χ^2/NDF: 67097198.0/69

In: 0.001+/-0.000 χ^2/NDF:63328418.3/56

Out: 0.005+/-0.000 χ^2/NDF:31031169.7/59

All: 0.001+/-0.000 χ^2/NDF: 118024955.4/116

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: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

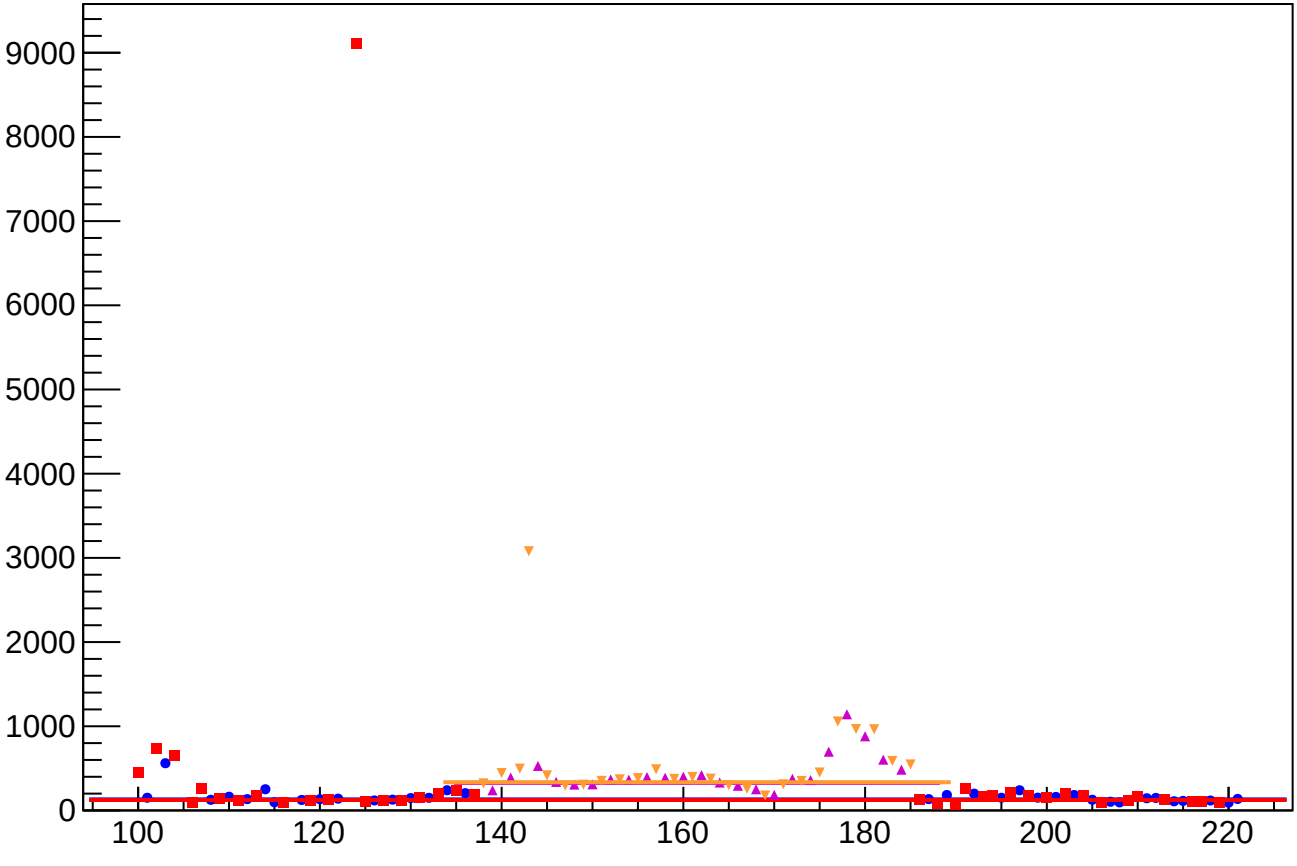
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.002+/-0.021 χ^2/NDF: 79.8/70

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: -0.005+/-0.020 χ^2/NDF: 141.9/118



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: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

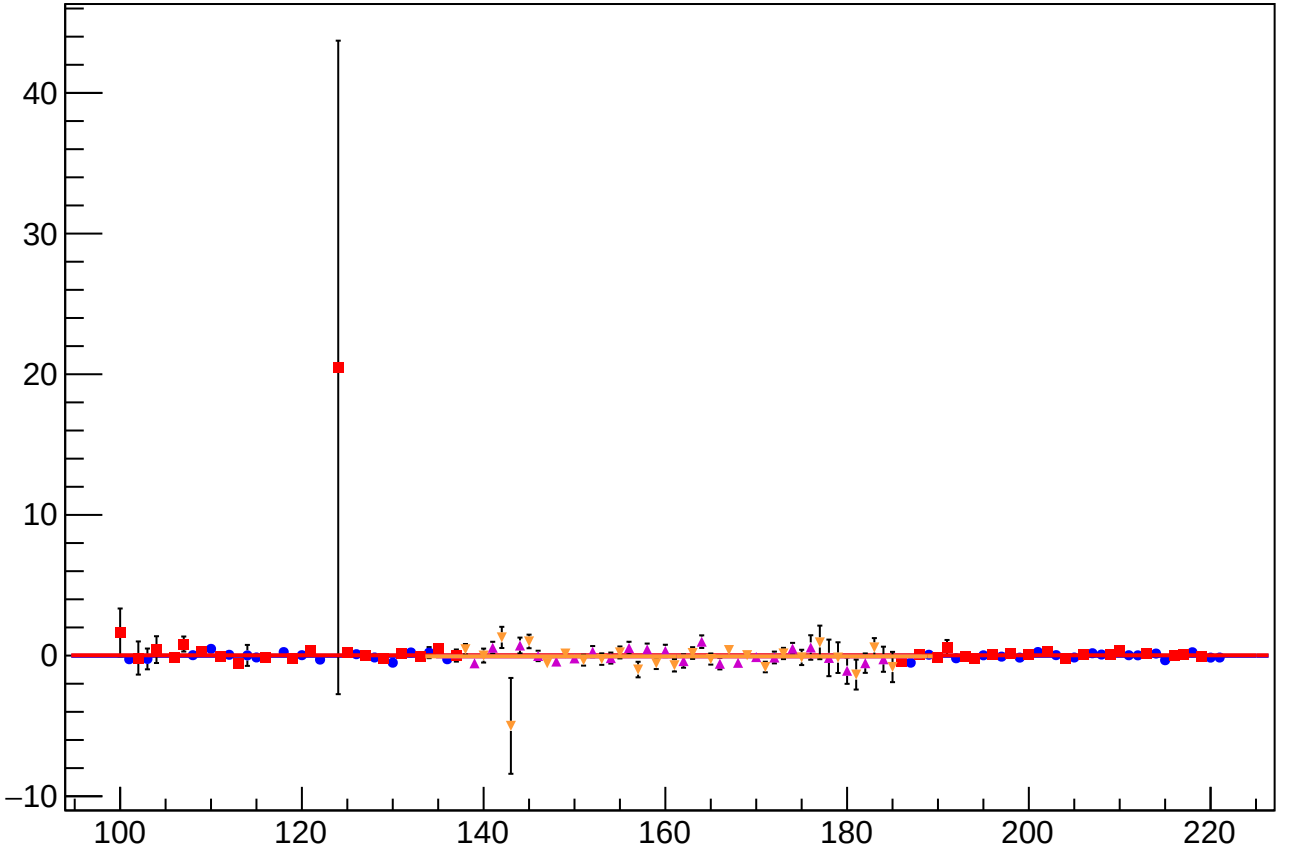
Right: 127.681+/-0.015 χ^2/NDF: 7421002.2/70

In: 154.612+/-0.020 χ^2/NDF:16910620.6/56

Out: 147.887+/-0.020 χ^2/NDF:21421851.8/61

All: 151.215+/-0.014 χ^2/NDF: 38388366.9/1

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: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

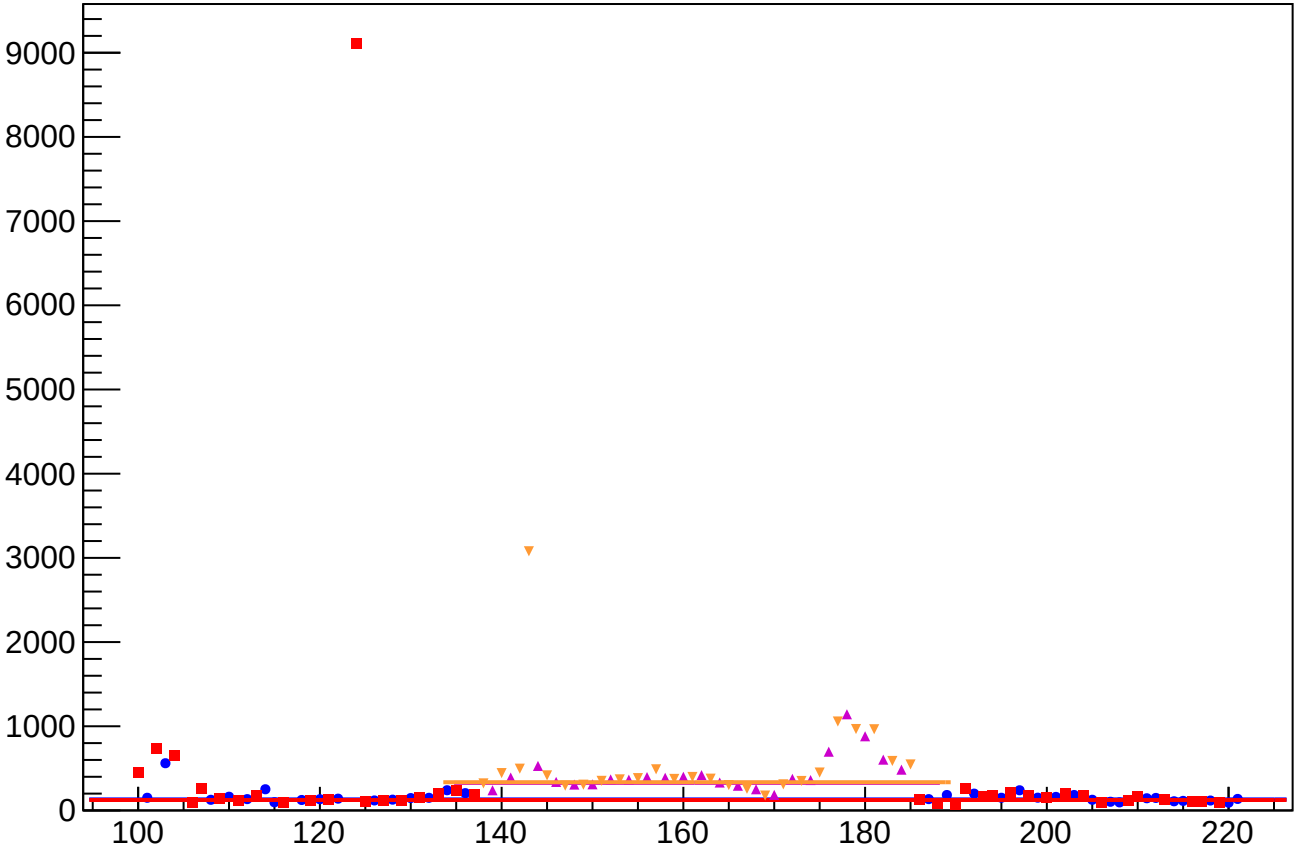
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.002+/-0.021 χ^2/NDF: 79.8/70

In: -0.023+/-0.029 χ^2/NDF:69.9/56

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: -0.005+/-0.020 χ^2/NDF: 141.9/118



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: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

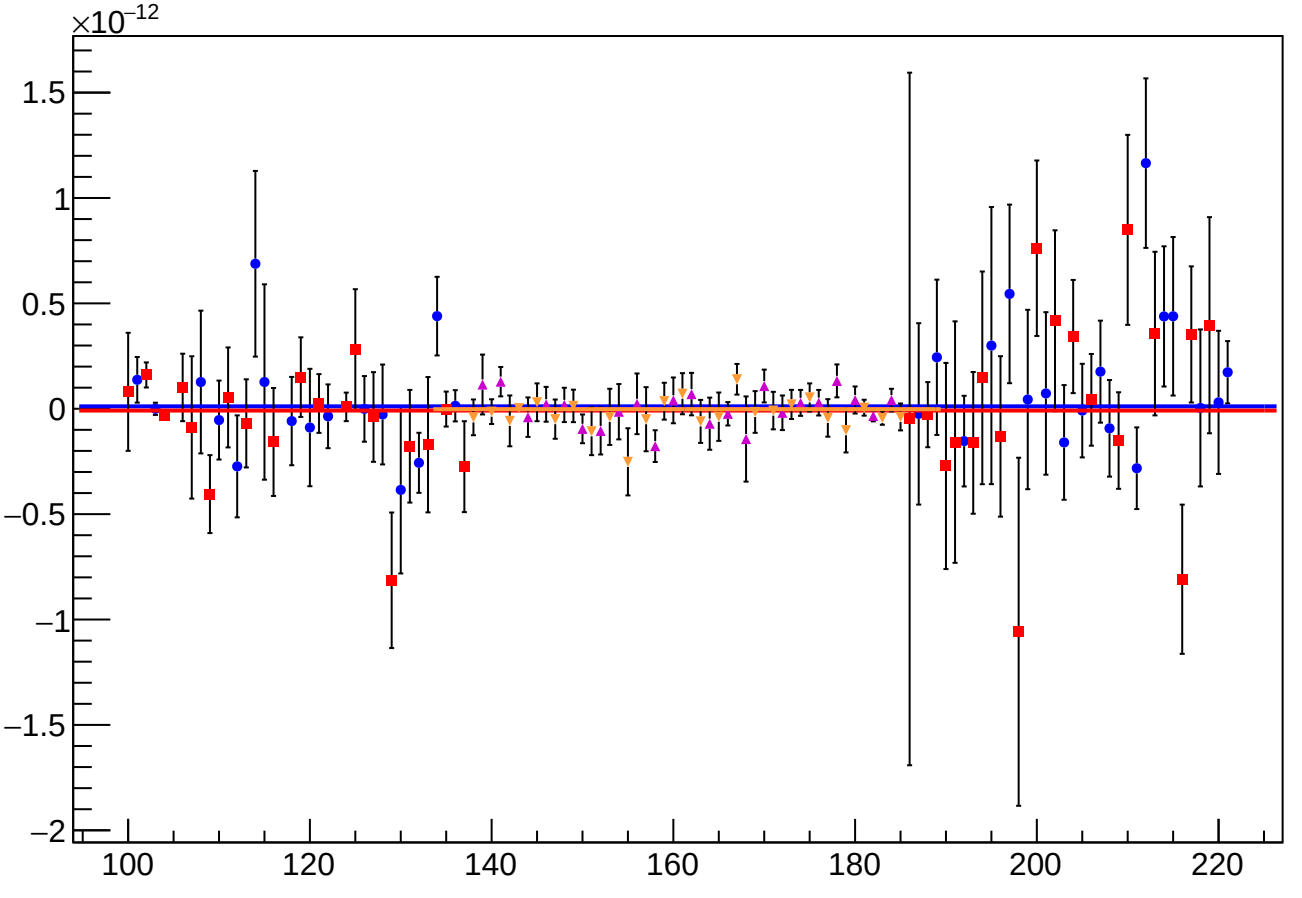
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 127.681+/-0.015 χ^2/NDF: 7421002.2/70

In: 154.612+/-0.020 χ^2/NDF:16910620.6/56

Out: 147.887+/-0.020 χ^2/NDF:21421851.8/61

All: 151.215+/-0.014 χ^2/NDF: 38388366.9/1



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: 45.6/36

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

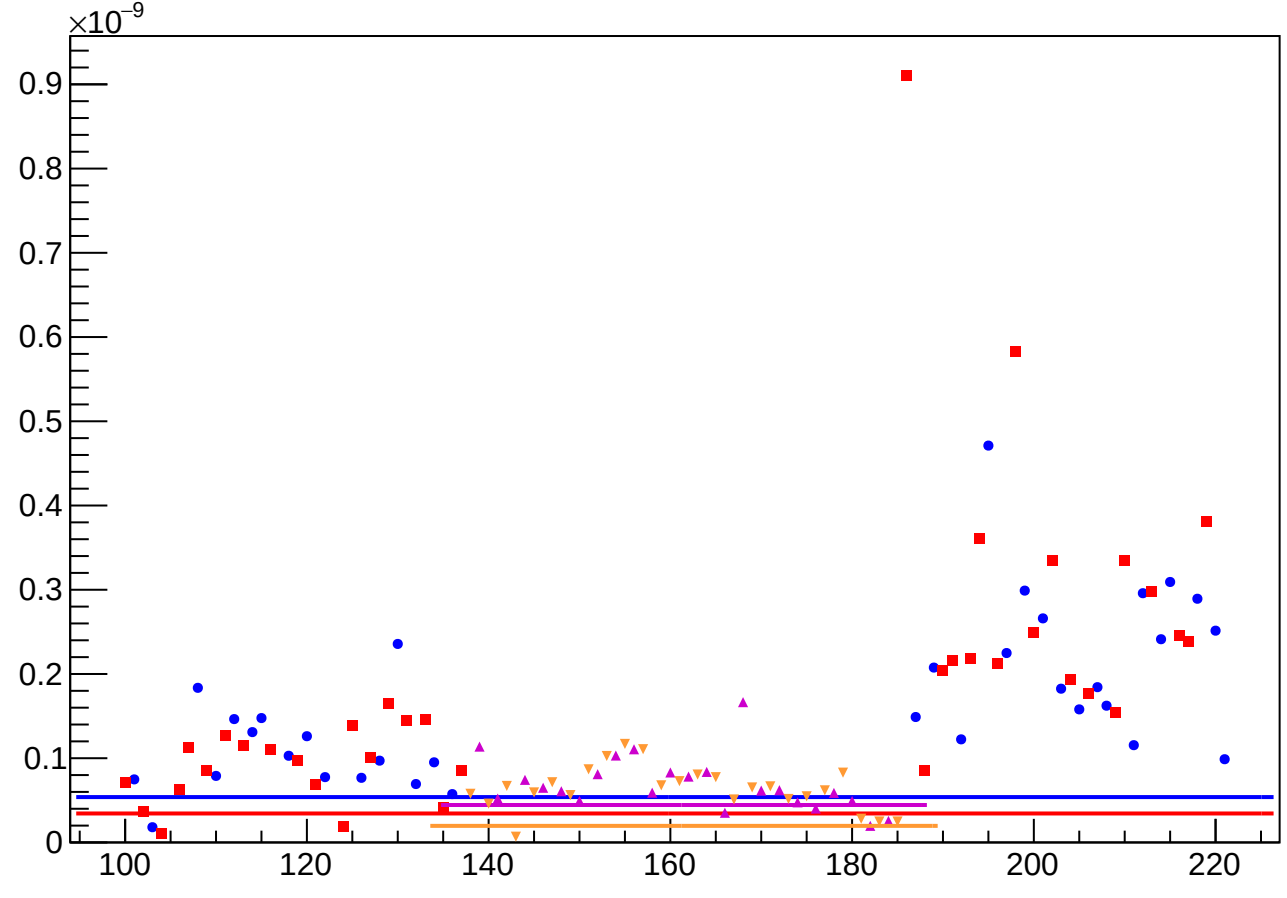
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 80.3/70

In: 0.000+/-0.000 χ^2/NDF:57.0/56

Out: -0.000+/-0.000 χ^2/NDF:59.3/61

All: -0.000+/-0.000 χ^2/NDF: 116.4/118



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: 17053704.4/36

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

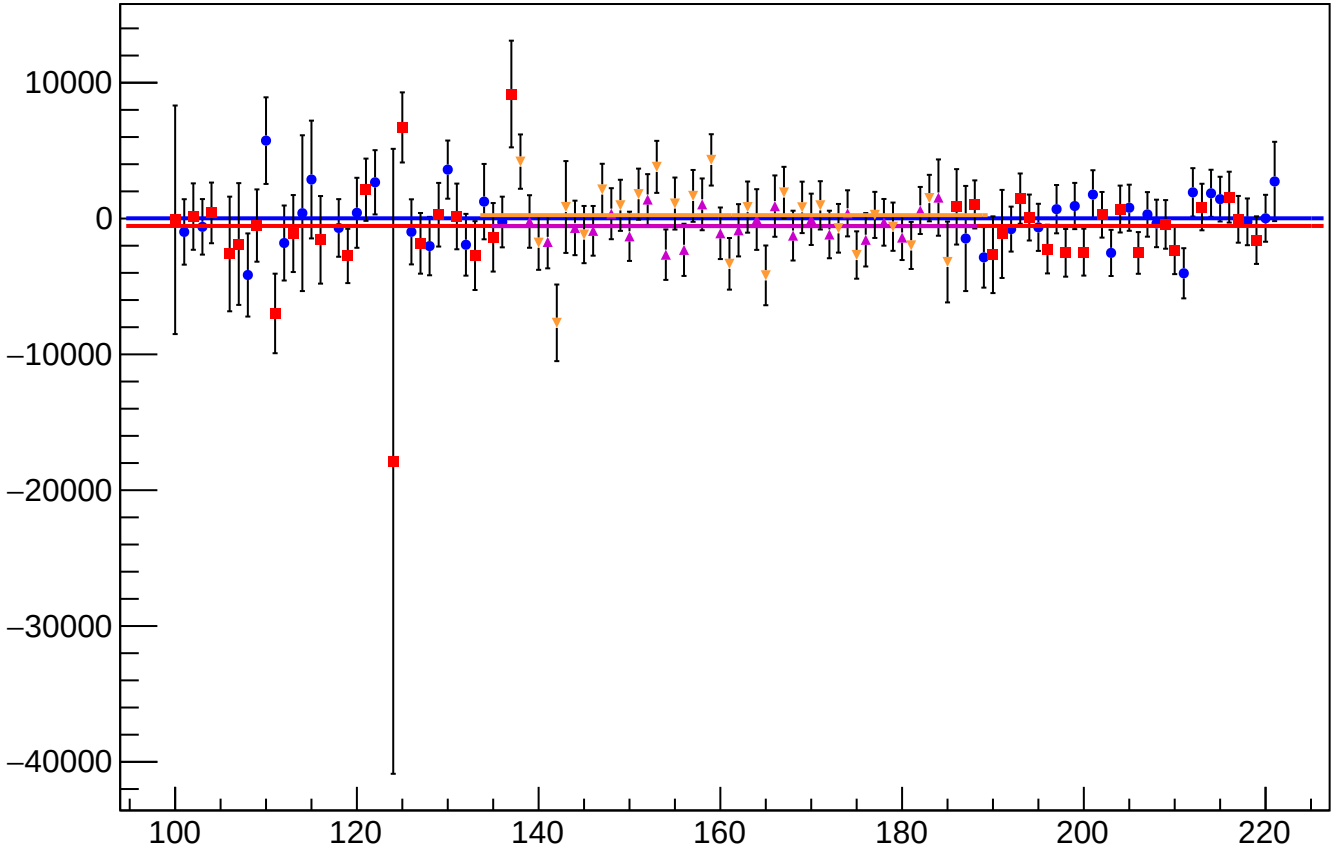
Right: 0.000+/-0.000 χ^2/NDF: 31923936.8/70

In: 0.000+/-0.000 χ^2/NDF:20127326.0/56

Out: 0.000+/-0.000 χ^2/NDF:33039296.5/61

All: 0.000+/-0.000 χ^2/NDF: 59333948.9/118

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: -546.599+/-357.889 χ^2/NDF: 36.3/36

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

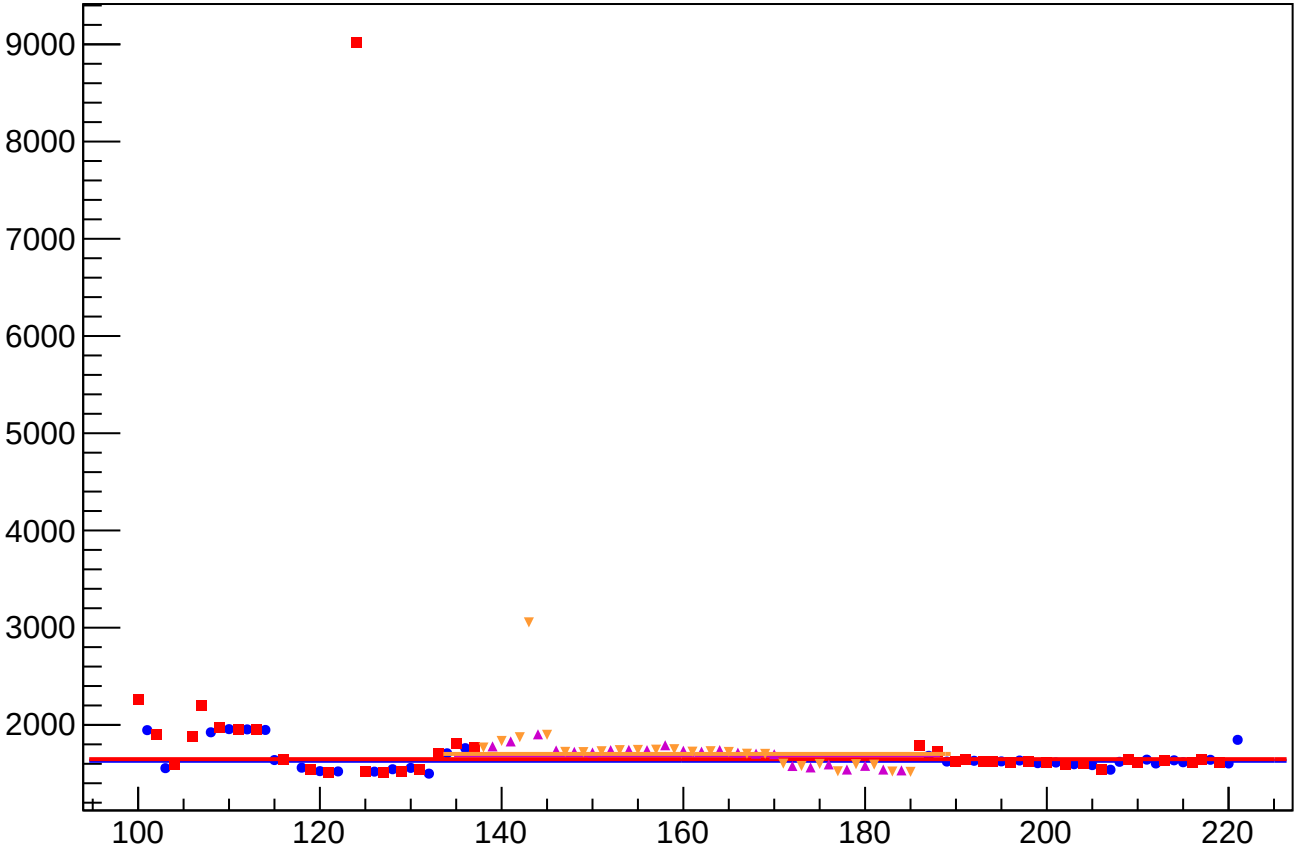
Right: -260.787+/-251.261 χ^2/NDF: 64.8/70

In: -238.982+/-263.176 χ^2/NDF:35.9/56

Out: -182.058+/-263.325 χ^2/NDF:78.2/61

All: -210.536+/-186.146 χ^2/NDF: 114.2/118

reg_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:452379.1/24

Right Out: 1647.784+/-0.253 χ^2/NDF: 424771.5/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

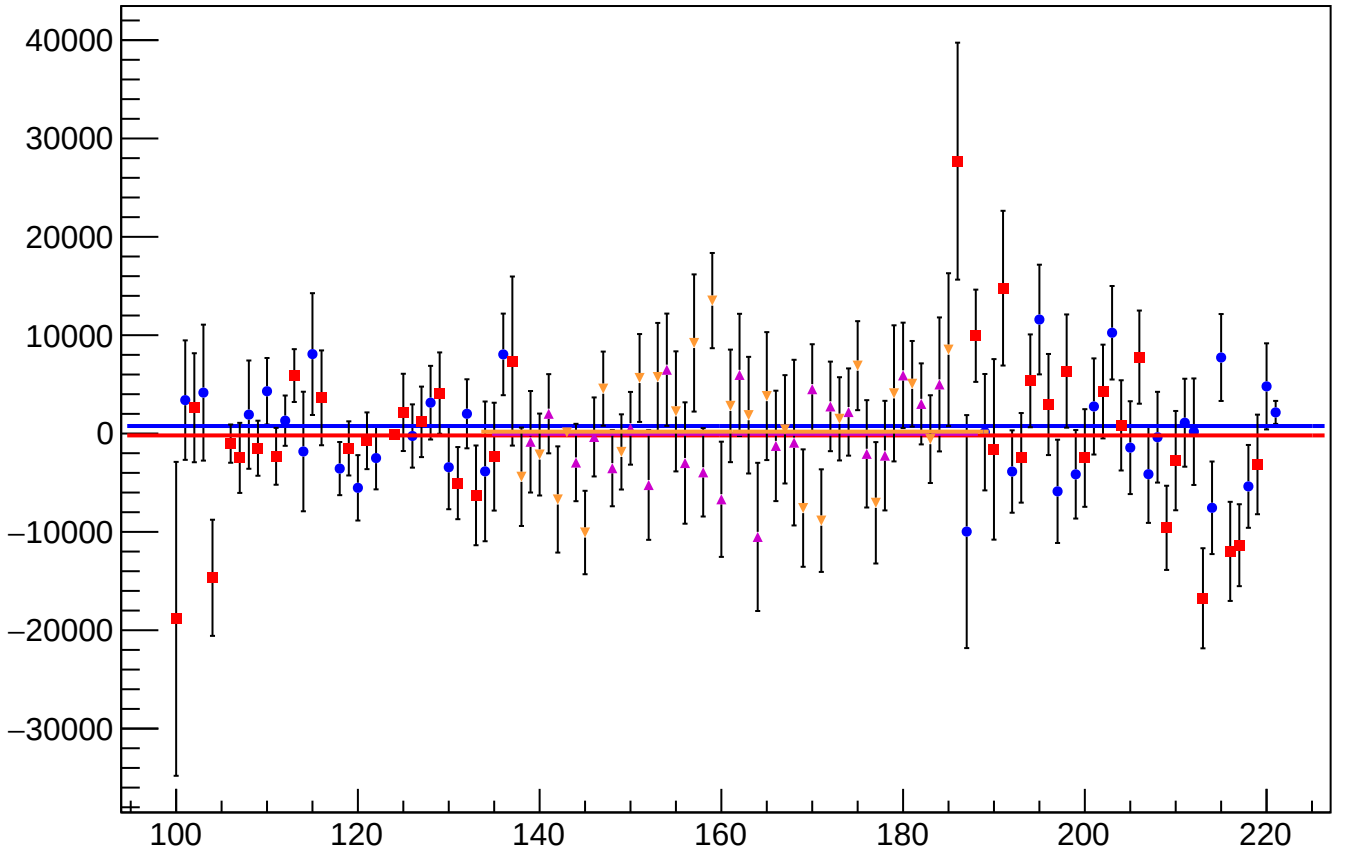
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.243+/-0.178 χ^2/NDF: 596400.4/70

In: 1656.801+/-0.186 χ^2/NDF:315951.0/56

Out: 1672.419+/-0.186 χ^2/NDF:897906.0/61

All: 1664.612+/-0.132 χ^2/NDF: 1217379.6/11



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: -192.101+/-312.660 χ^2/NDF: 70.5/36

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

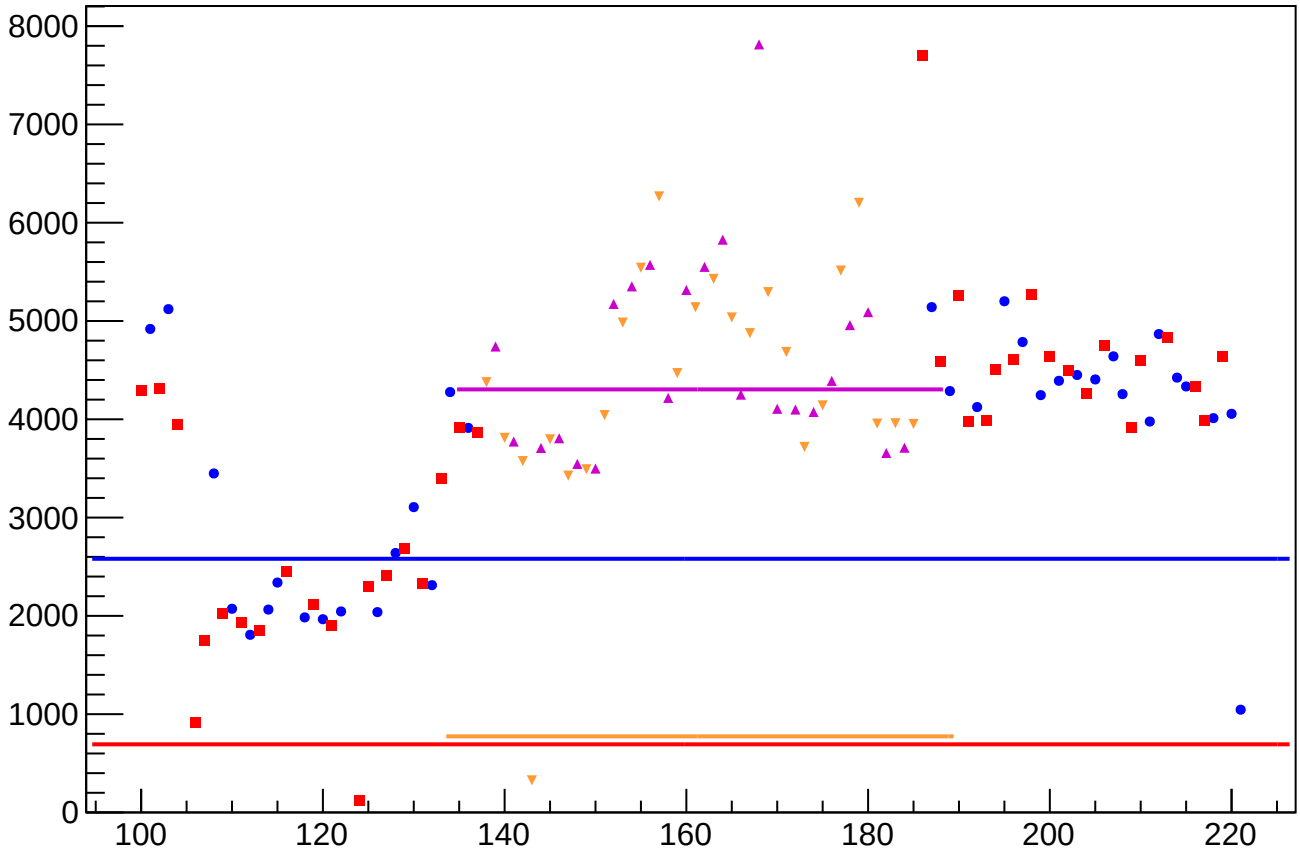
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -2.236+/-279.914 χ^2/NDF: 111.8/70

In: 547.951+/-535.722 χ^2/NDF:53.2/56

Out: -17.177+/-231.107 χ^2/NDF:105.1/61

All: 71.492+/-212.204 χ^2/NDF: 159.2/118



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: 693.091+/-0.221 χ^2/NDF: 32541297.9/36

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

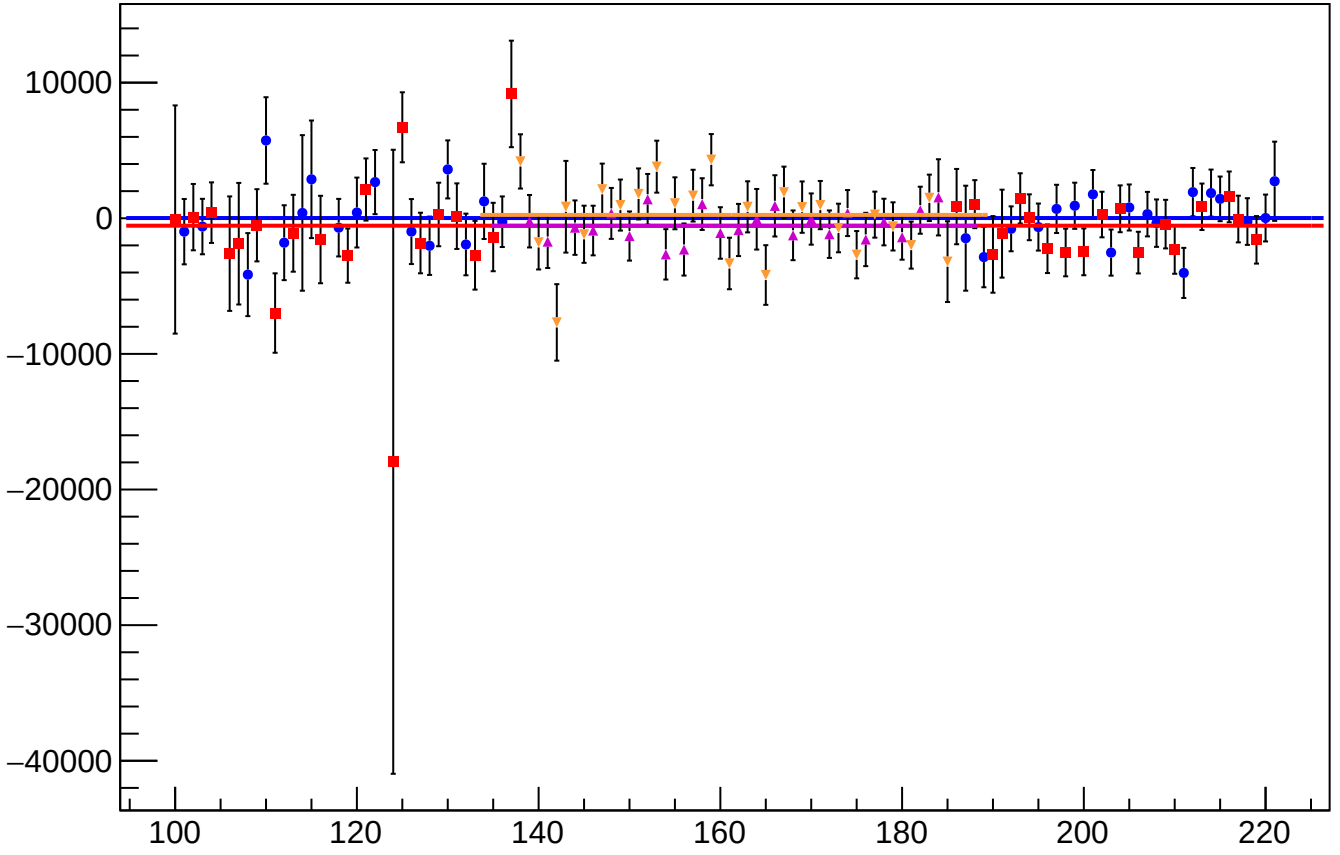
Right: 1067.799+/-0.198 χ^2/NDF: 56693113.3/70

In: 3051.087+/-0.379 χ^2/NDF:15003063.0/56

Out: 729.900+/-0.163 χ^2/NDF:60687989.2/61

All: 1094.097+/-0.150 χ^2/NDF: 107346581.9

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: -547.978+/-357.890 χ^2/NDF: 36.3/36

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

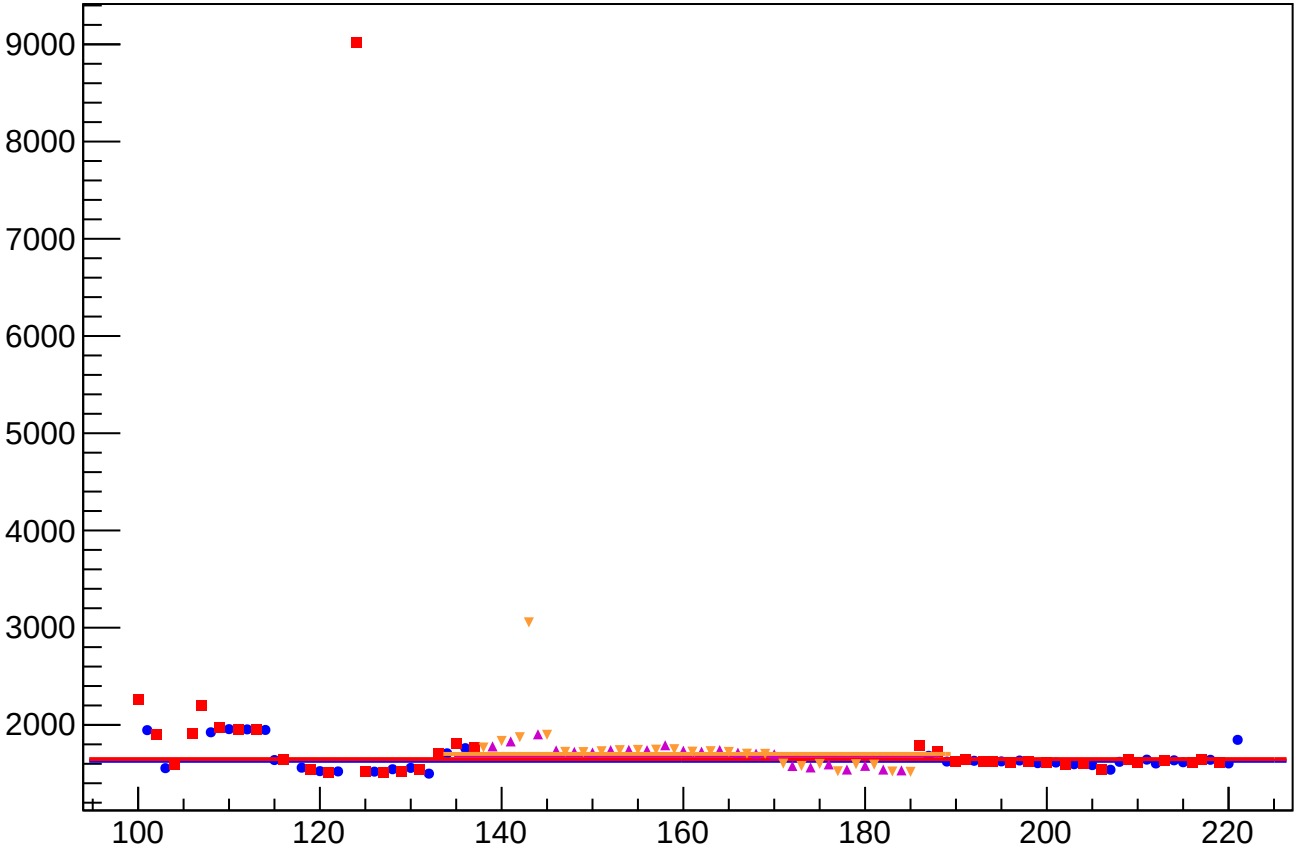
Right: -261.444+/-251.262 χ^2/NDF: 64.8/70

In: -238.943+/-263.176 χ^2/NDF:35.9/56

Out: -182.811+/-263.325 χ^2/NDF:78.2/61

All: -210.893+/-186.146 χ^2/NDF: 114.1/118

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: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

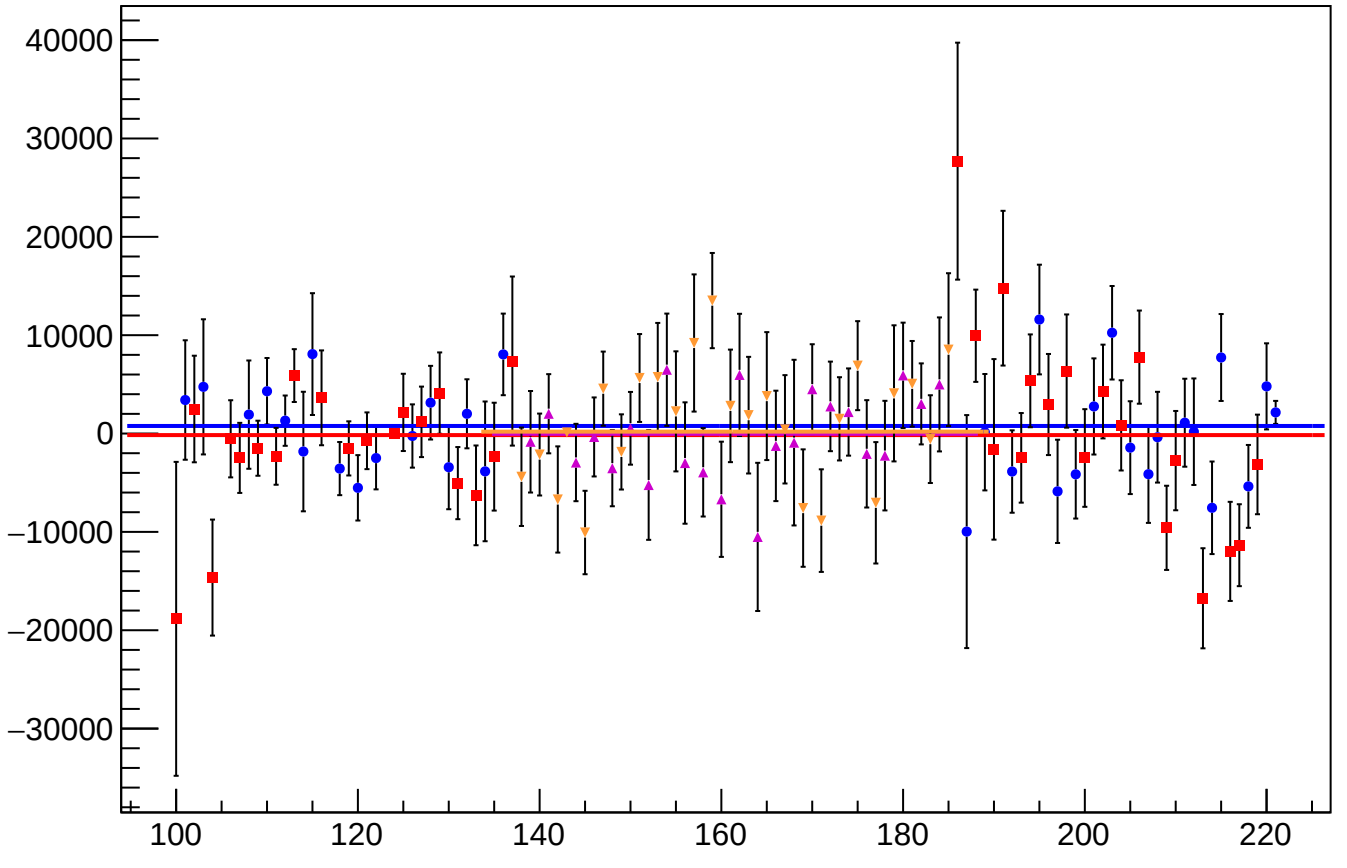
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.360+/-0.178 χ^2/NDF: 598595.4/70

In: 1656.801+/-0.186 χ^2/NDF:315951.0/56

Out: 1672.553+/-0.186 χ^2/NDF:899849.3/61

All: 1664.678+/-0.132 χ^2/NDF: 1219383.4/11



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: -157.873+/-305.473 χ^2/NDF: 70.3/36

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

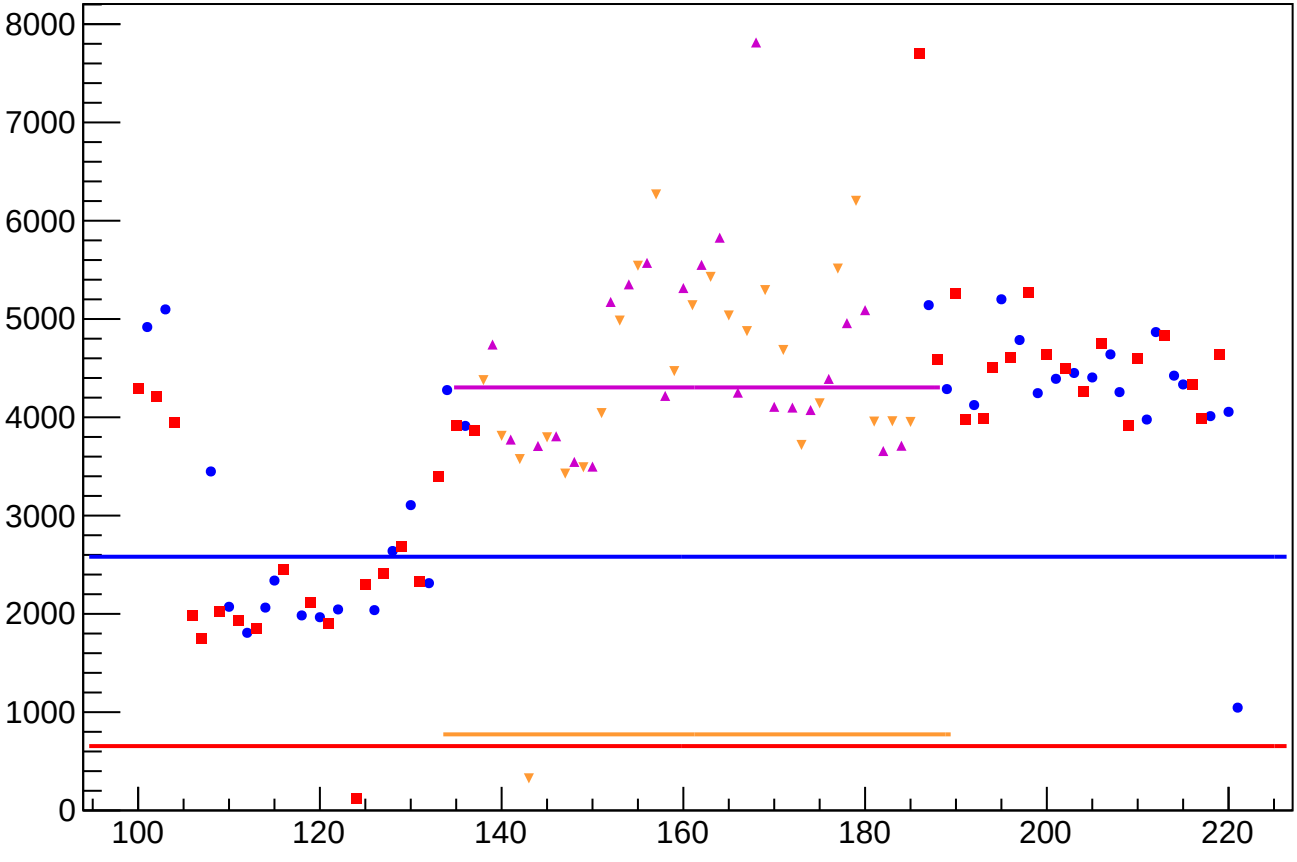
Right: 19.442+/-274.726 χ^2/NDF: 111.7/70

In: 551.698+/-535.751 χ^2/NDF:53.3/56

Out: -2.323+/-228.152 χ^2/NDF:104.8/61

All: 82.726+/-209.911 χ^2/NDF: 159.0/118

asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected



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: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

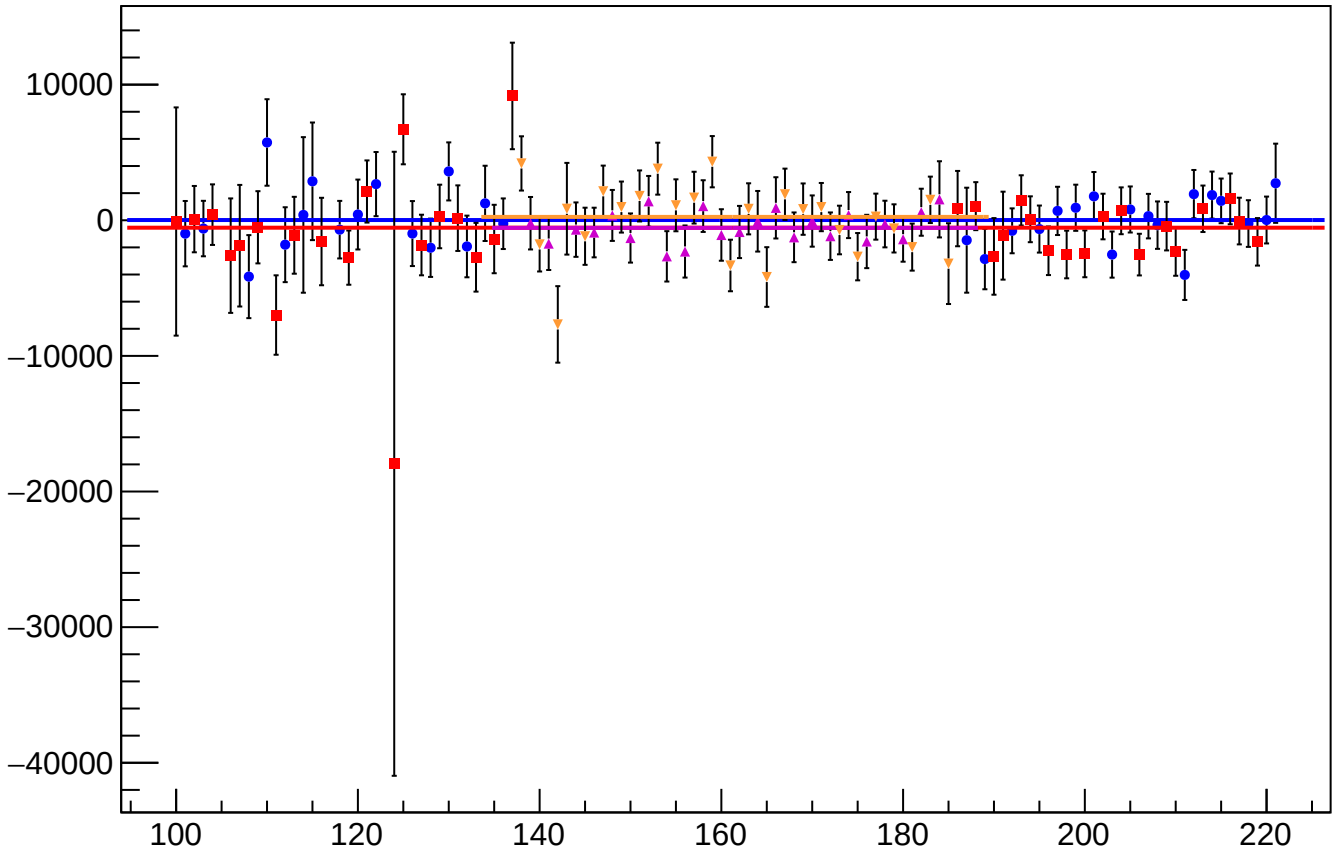
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 1023.160+/-0.194 χ^2/NDF: 58125953.6/70

In: 3051.587+/-0.379 χ^2/NDF:14992406.5/56

Out: 707.590+/-0.161 χ^2/NDF:61465478.2/61

All: 1067.423+/-0.148 χ^2/NDF: 108864875.7



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: -547.978+/-357.890 χ^2/NDF: 36.3/36

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

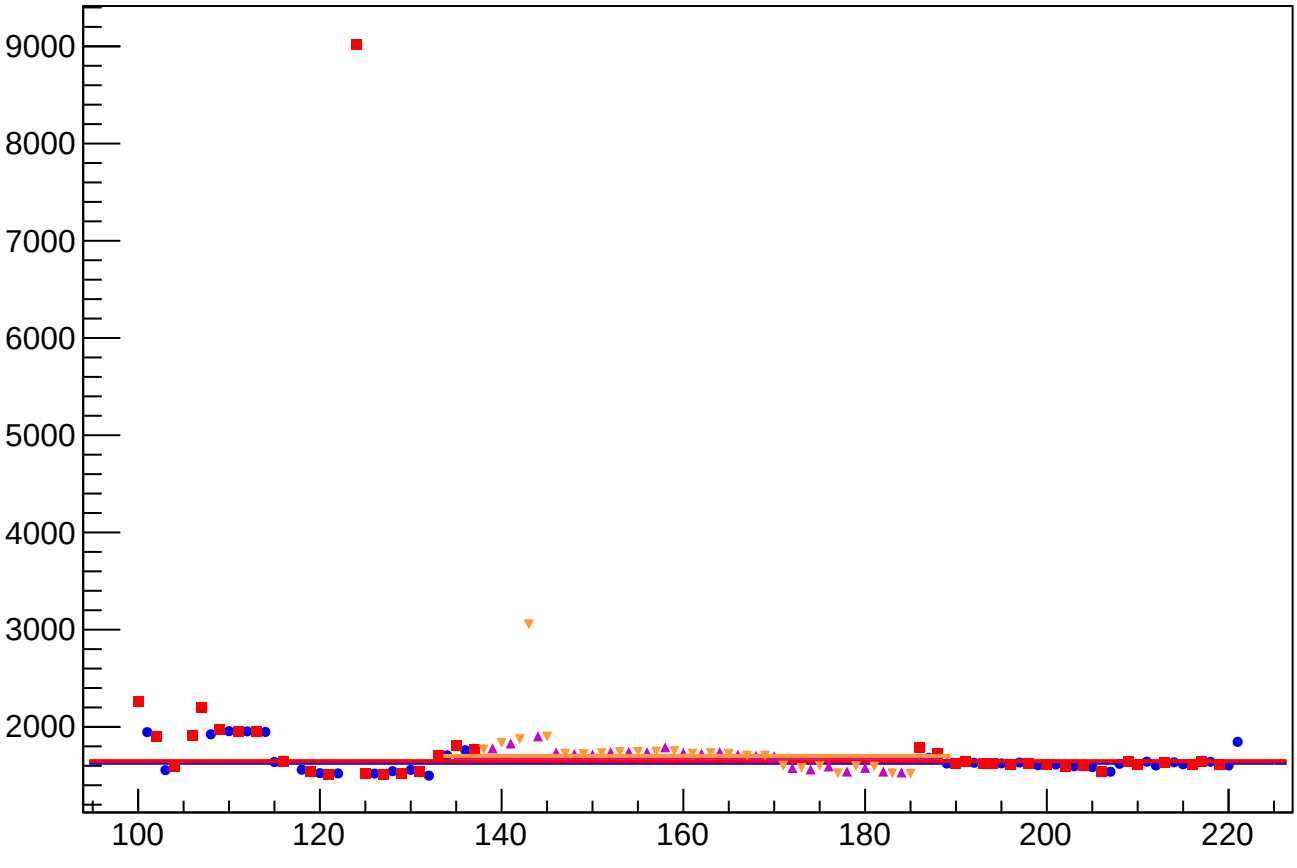
Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

Right: -261.444+/-251.262 χ^2/NDF: 64.8/70

In: -238.943+/-263.176 χ^2/NDF:35.9/56

Out: -182.811+/-263.325 χ^2/NDF:78.2/61

All: -210.893+/-186.146 χ^2/NDF: 114.1/118



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: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

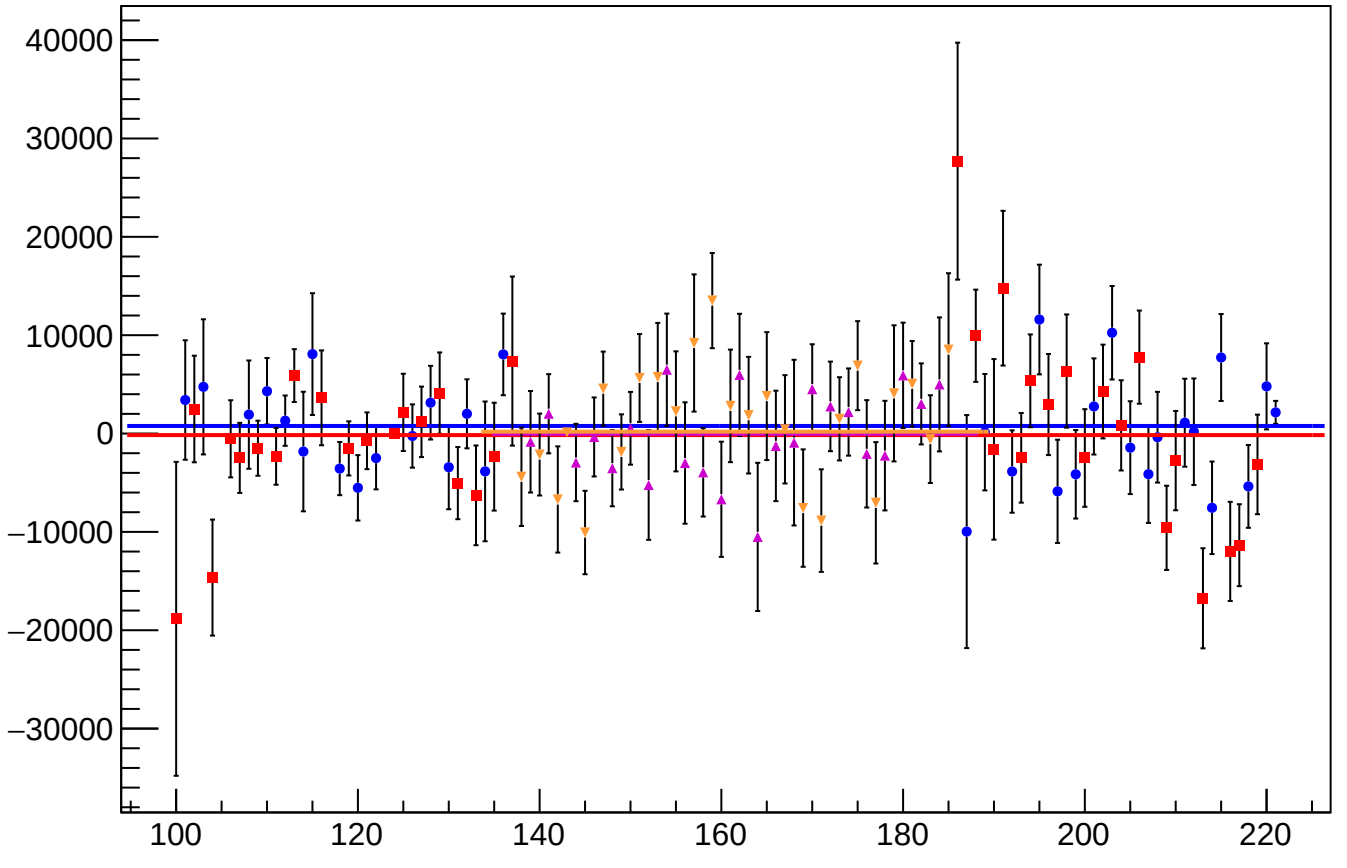
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.360+/-0.178 χ^2/NDF: 598595.4/70

In: 1656.801+/-0.186 χ^2/NDF:315951.0/56

Out: 1672.553+/-0.186 χ^2/NDF:899849.3/61

All: 1664.678+/-0.132 χ^2/NDF: 1219383.4/11



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: -157.873+/-305.473 χ^2/NDF: 70.3/36

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

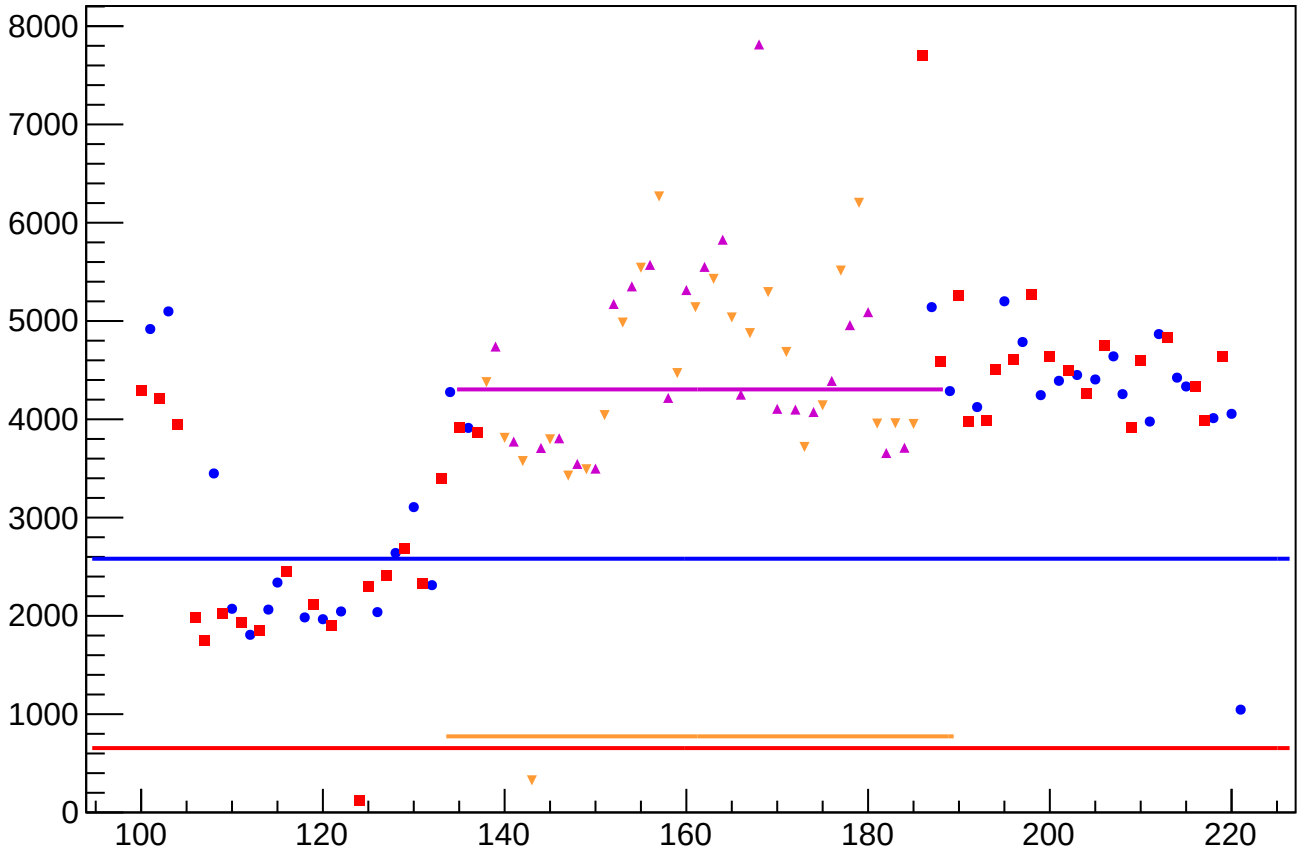
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 19.442+/-274.726 χ^2/NDF: 111.7/70

In: 551.698+/-535.751 χ^2/NDF:53.3/56

Out: -2.323+/-228.152 χ^2/NDF:104.8/61

All: 82.726+/-209.911 χ^2/NDF: 159.0/118



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: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

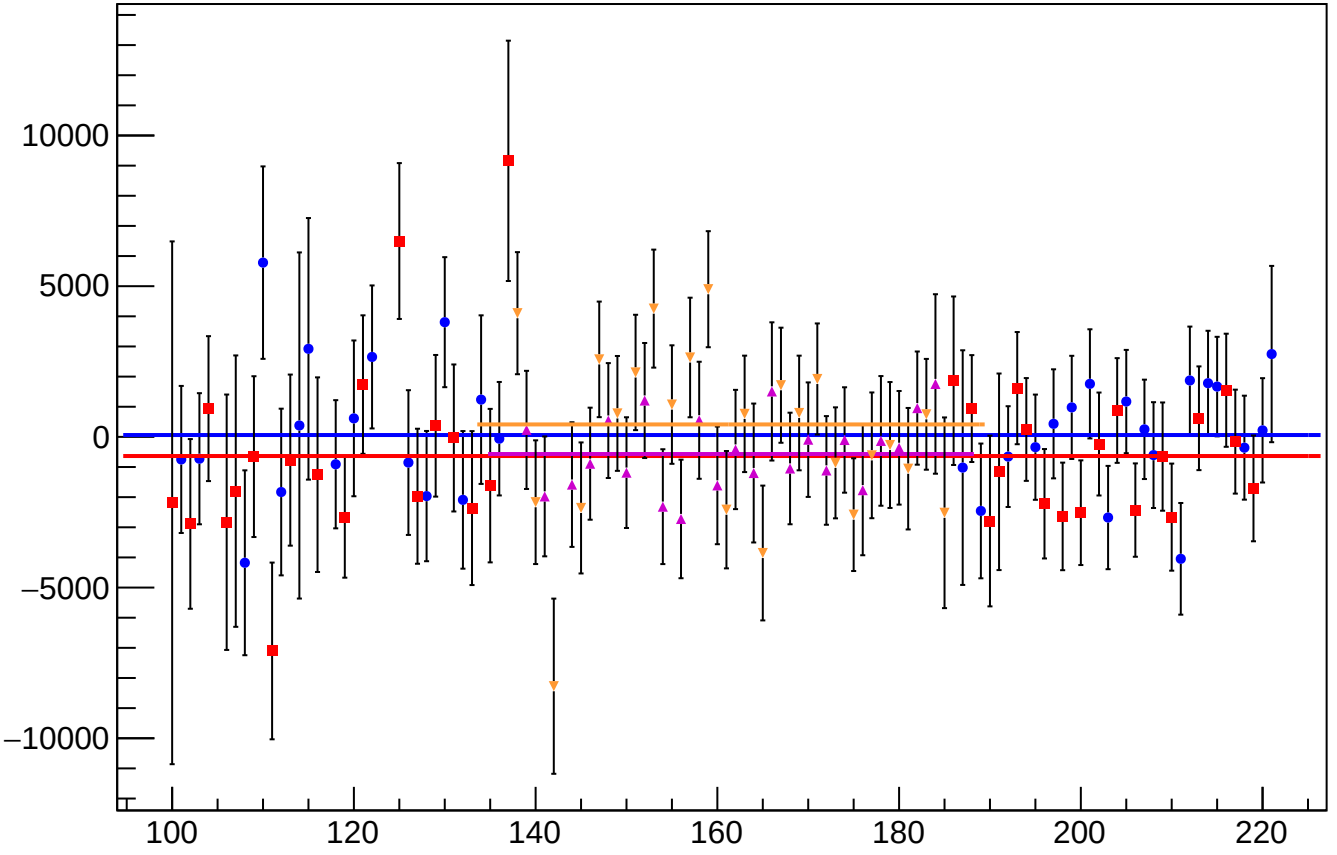
Right: 1023.160+/-0.194 χ^2/NDF: 58125953.6/70

In: 3051.587+/-0.379 χ^2/NDF:14992406.5/56

Out: 707.590+/-0.161 χ^2/NDF:61465478.2/61

All: 1067.423+/-0.148 χ^2/NDF: 108864875.7

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: -635.157+/-361.594 χ^2/NDF: 36.2/35

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

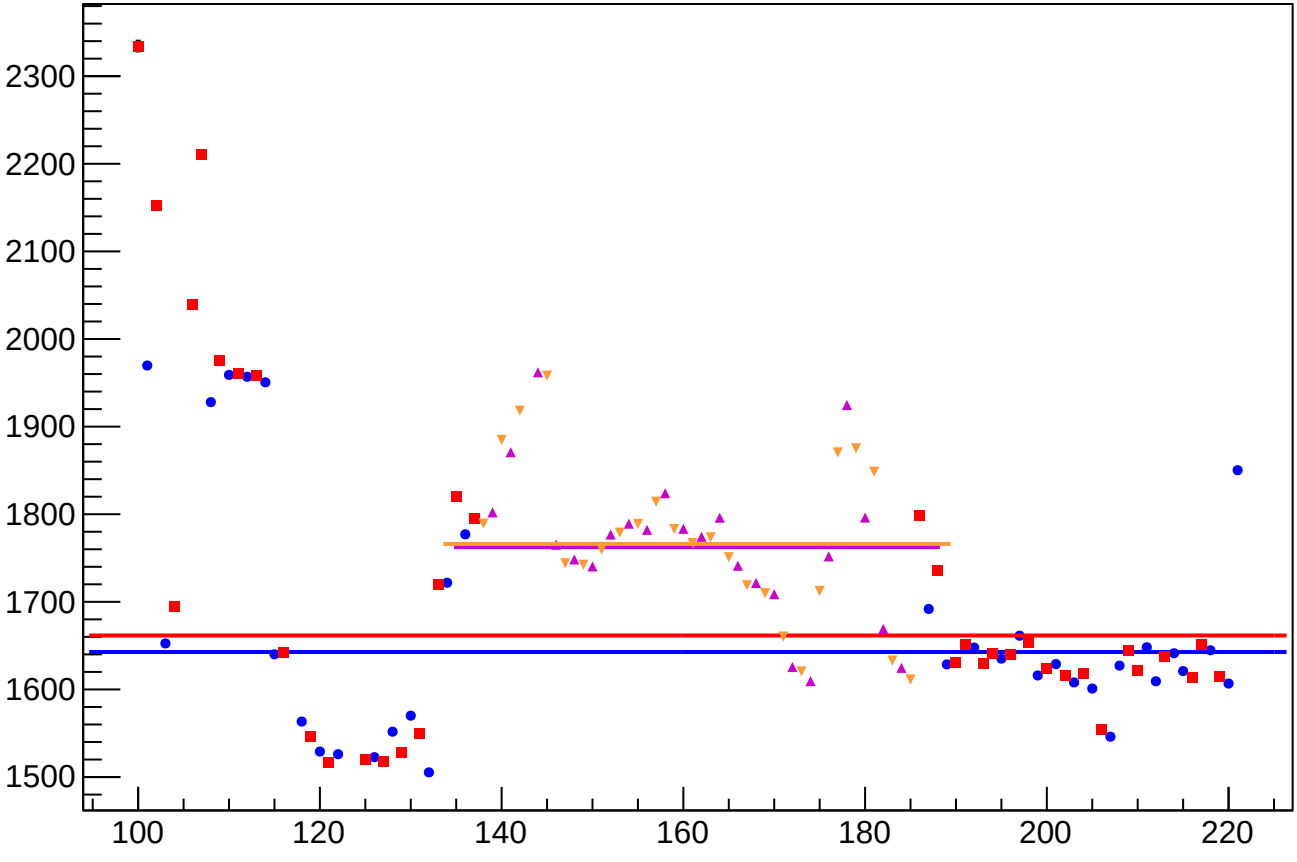
Right: -280.791+/-253.472 χ^2/NDF: 65.6/69

In: -207.359+/-269.131 χ^2/NDF:36.6/56

Out: -177.115+/-271.348 χ^2/NDF:79.9/59

All: -192.361+/-191.083 χ^2/NDF: 116.5/116

dit_asym_atl_dd_rms vs Slug, Sign Corrected



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: 1661.586+/-0.255 χ^2/NDF: 270213.6/35

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

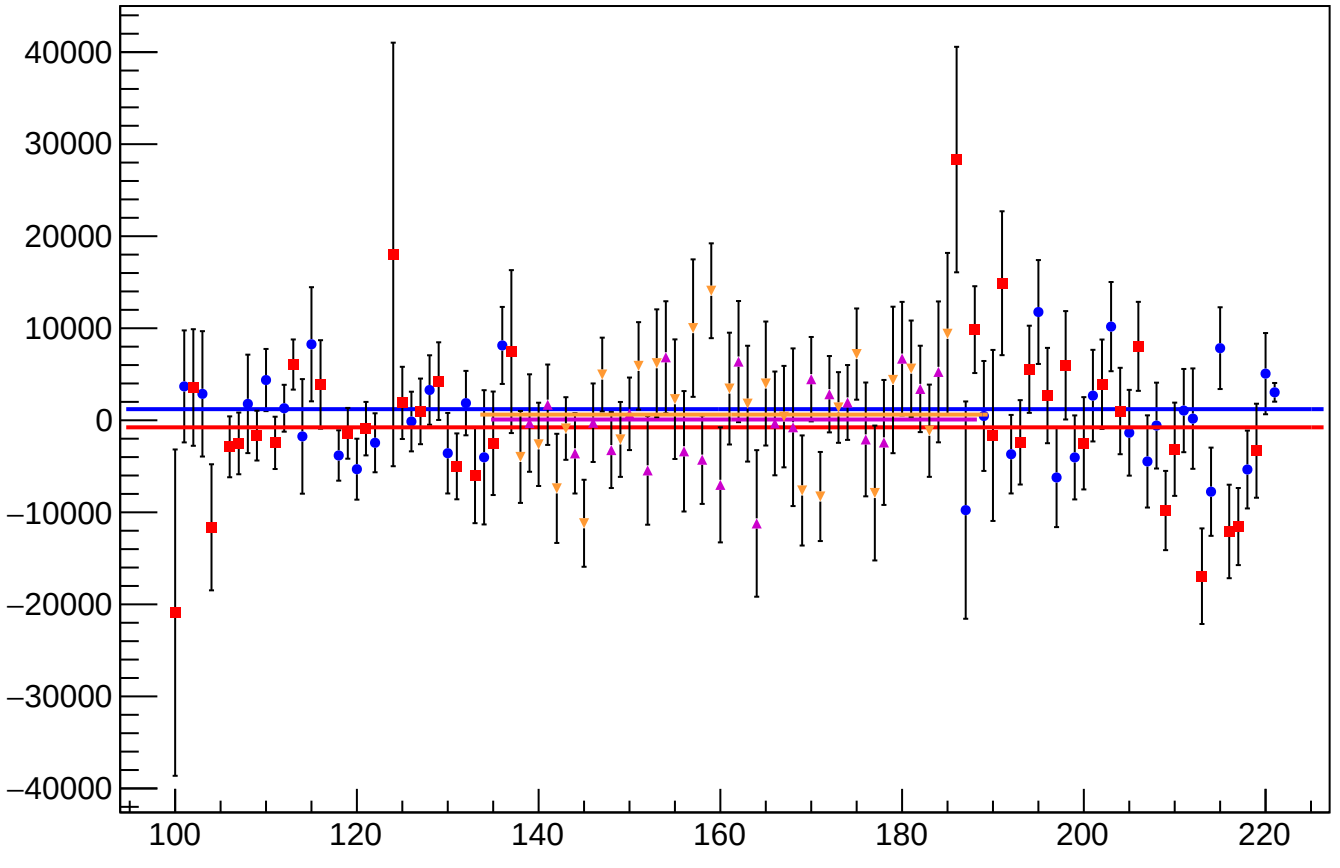
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1652.009+/-0.179 χ^2/NDF: 441065.7/69

In: 1693.791+/-0.190 χ^2/NDF:344894.0/56

Out: 1707.214+/-0.192 χ^2/NDF:426527.9/59

All: 1700.450+/-0.135 χ^2/NDF: 773889.9/116



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: -765.444+/-715.732 χ^2/NDF: 67.9/36

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

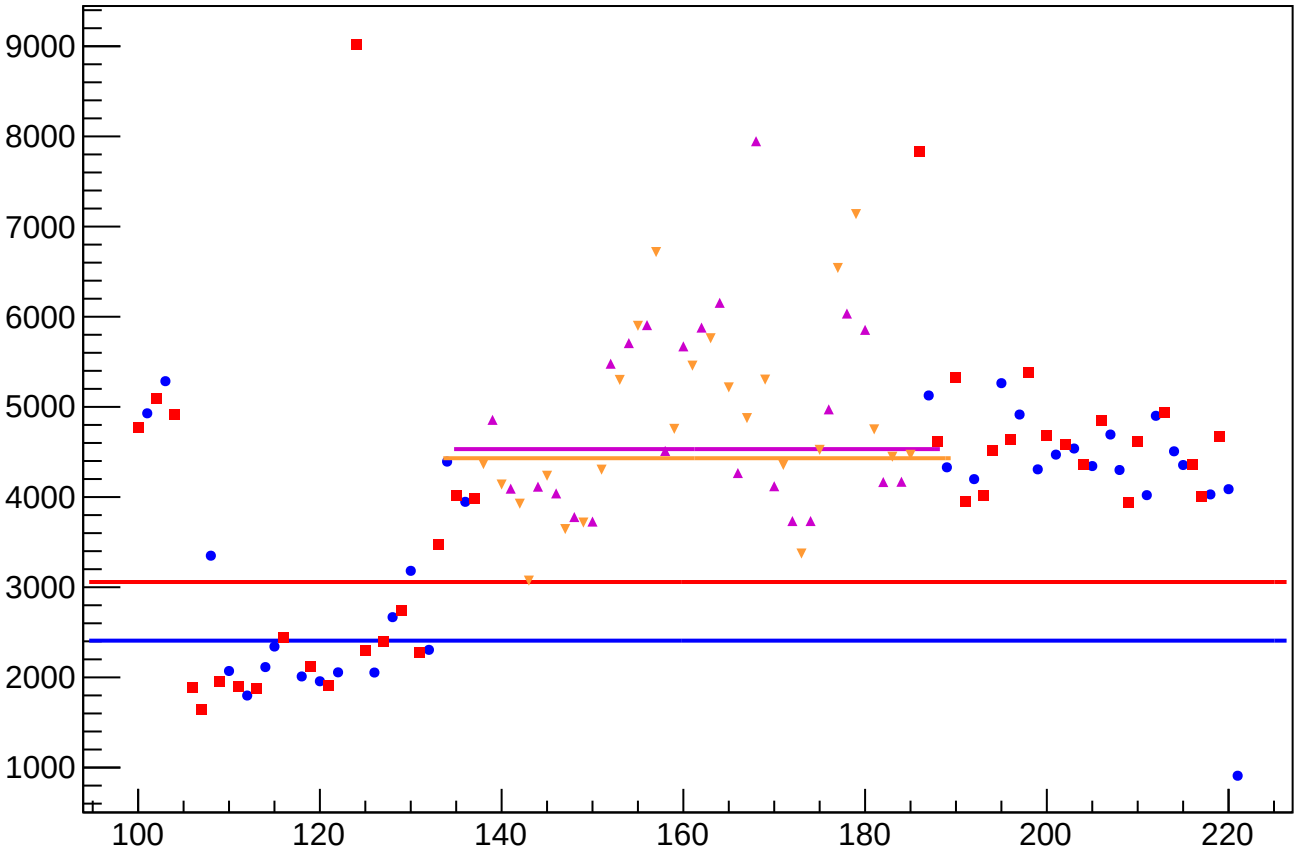
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 388.940+/-461.276 χ^2/NDF: 114.8/70

In: 942.810+/-526.968 χ^2/NDF:56.2/56

Out: -317.154+/-588.621 χ^2/NDF:102.2/61

All: 382.248+/-392.616 χ^2/NDF: 160.9/118



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: 3057.922+/-0.506 χ^2/NDF: 6325657.7/36

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

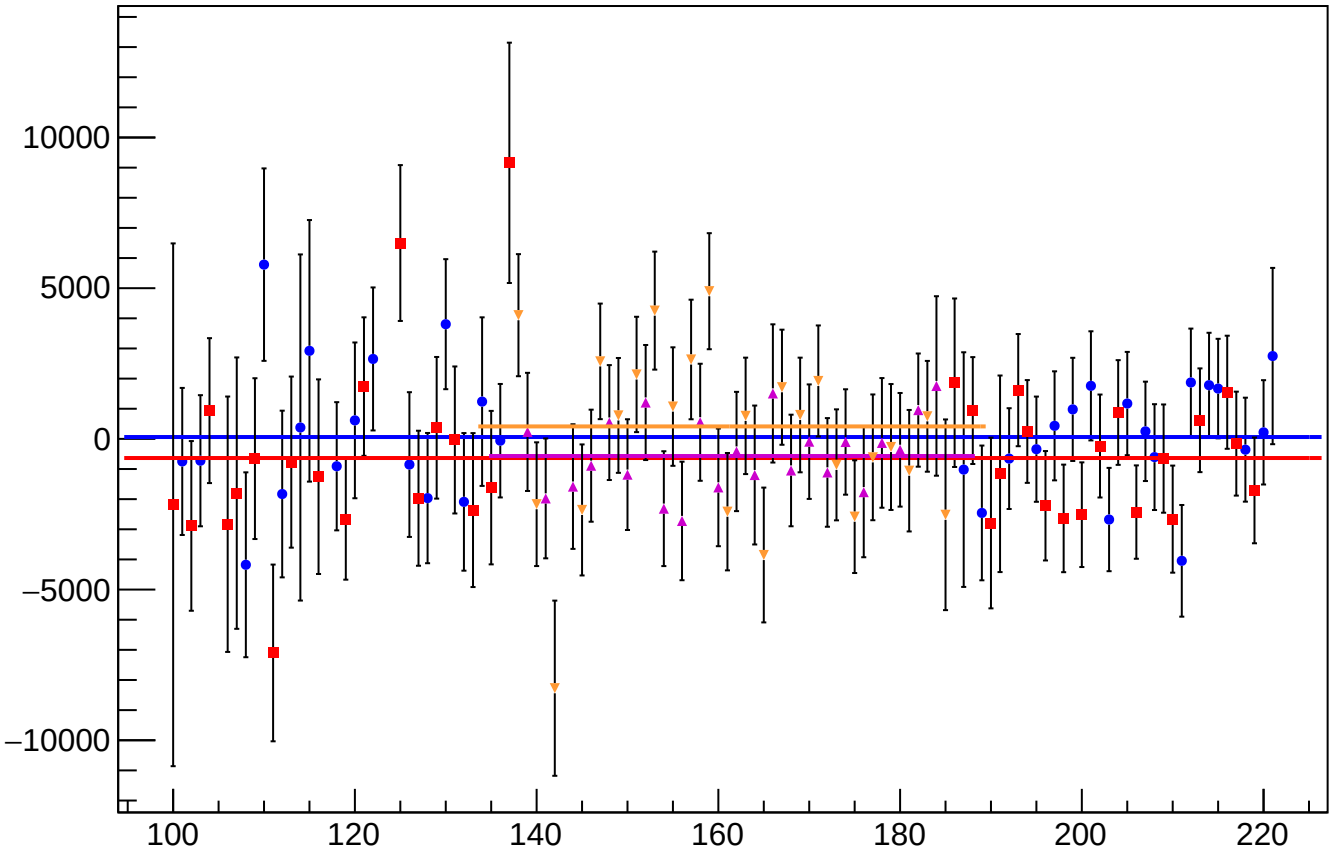
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2677.683+/-0.326 χ^2/NDF: 18972210.6/70

In: 2910.978+/-0.373 χ^2/NDF:18934824.8/56

Out: 3502.255+/-0.416 χ^2/NDF:10320528.6/61

All: 3174.040+/-0.278 χ^2/NDF: 30375587.5/1



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: -635.154+/-361.594 χ^2/NDF: 36.2/35

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

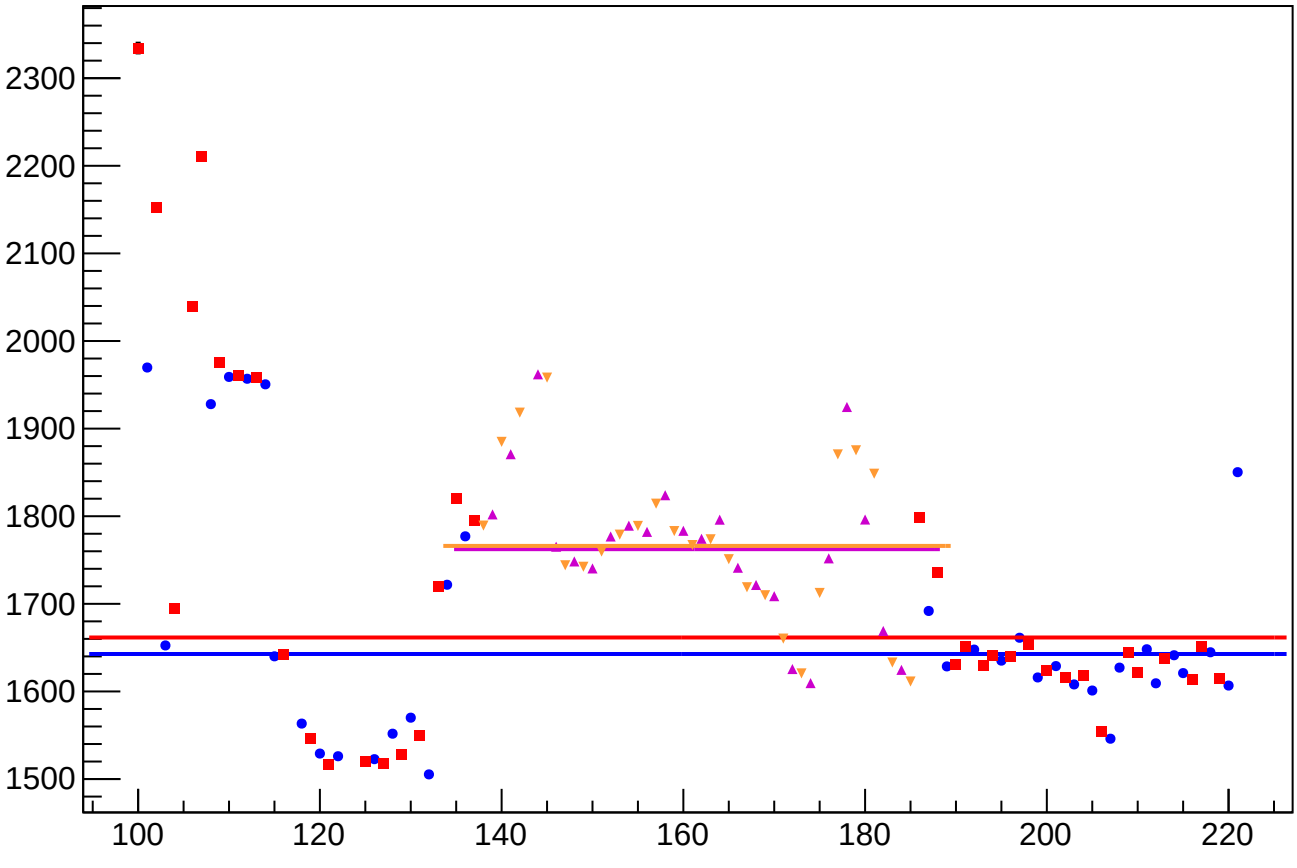
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -280.791+/-253.472 χ^2/NDF: 65.6/69

In: -207.360+/-269.131 χ^2/NDF:36.6/56

Out: -177.113+/-271.348 χ^2/NDF:79.9/59

All: -192.361+/-191.083 χ^2/NDF: 116.5/116



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: 1661.586+/-0.255 χ^2/NDF: 270212.3/35

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

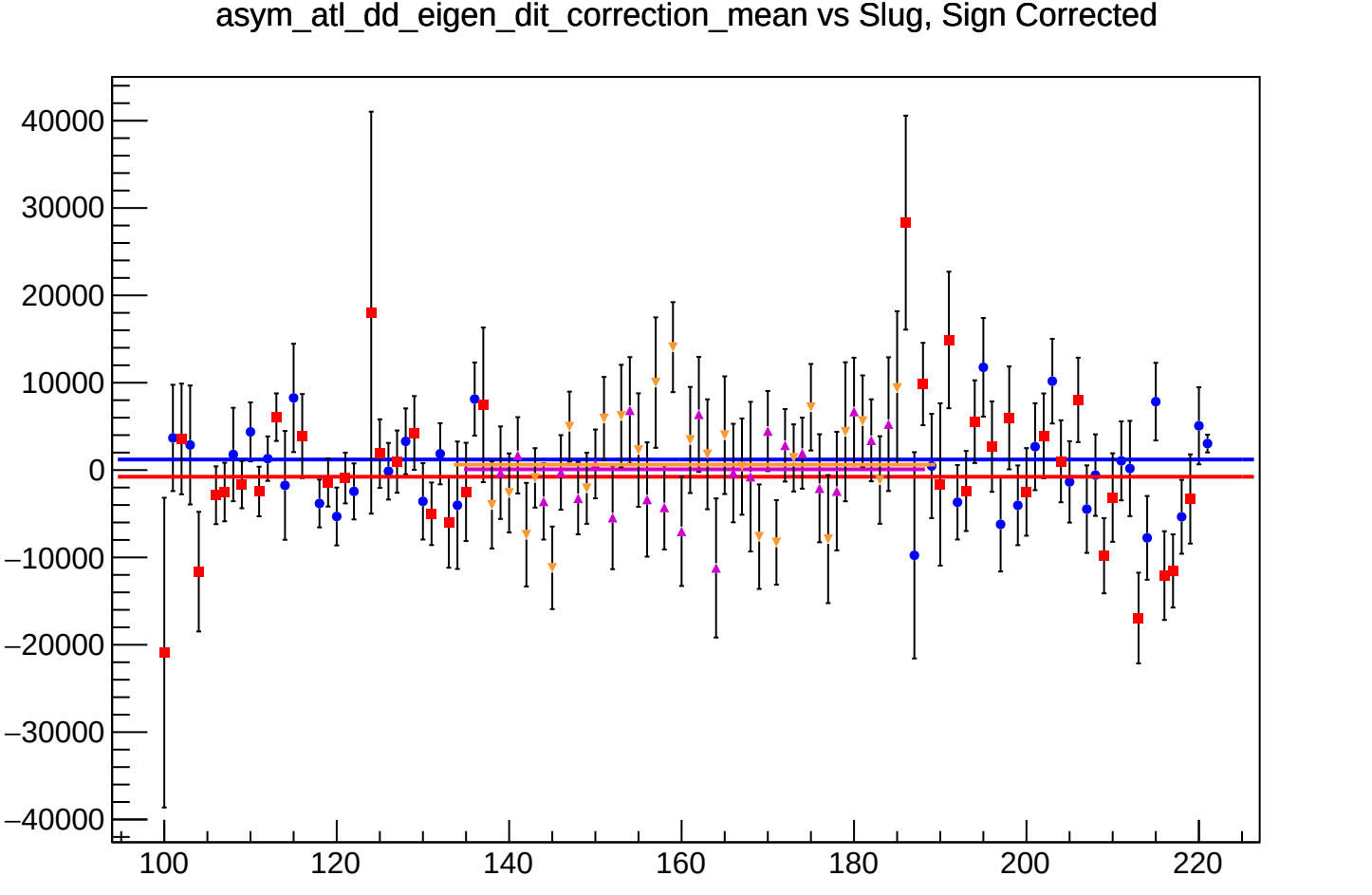
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1652.009+/-0.179 χ^2/NDF: 441064.4/69

In: 1693.792+/-0.190 χ^2/NDF:344898.0/56

Out: 1707.214+/-0.192 χ^2/NDF:426530.7/59

All: 1700.451+/-0.135 χ^2/NDF: 773896.7/116



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: -765.445+/-715.730 χ^2/NDF: 67.9/36

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

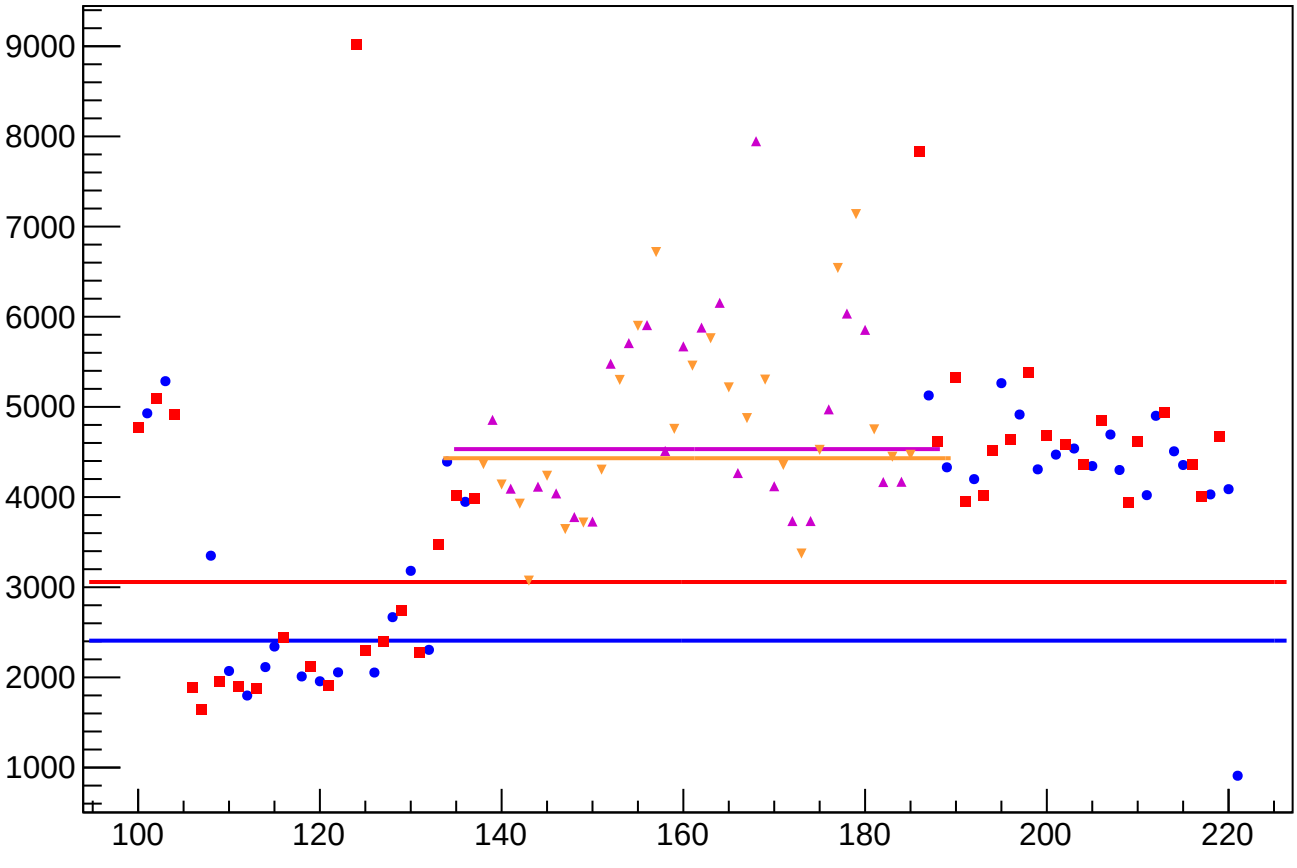
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 388.934+/-461.276 χ^2/NDF: 114.8/70

In: 942.806+/-526.968 χ^2/NDF:56.2/56

Out: -317.155+/-588.620 χ^2/NDF:102.2/61

All: 382.244+/-392.616 χ^2/NDF: 160.9/118



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: 3057.914+/-0.506 χ^2/NDF: 6325728.9/36

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

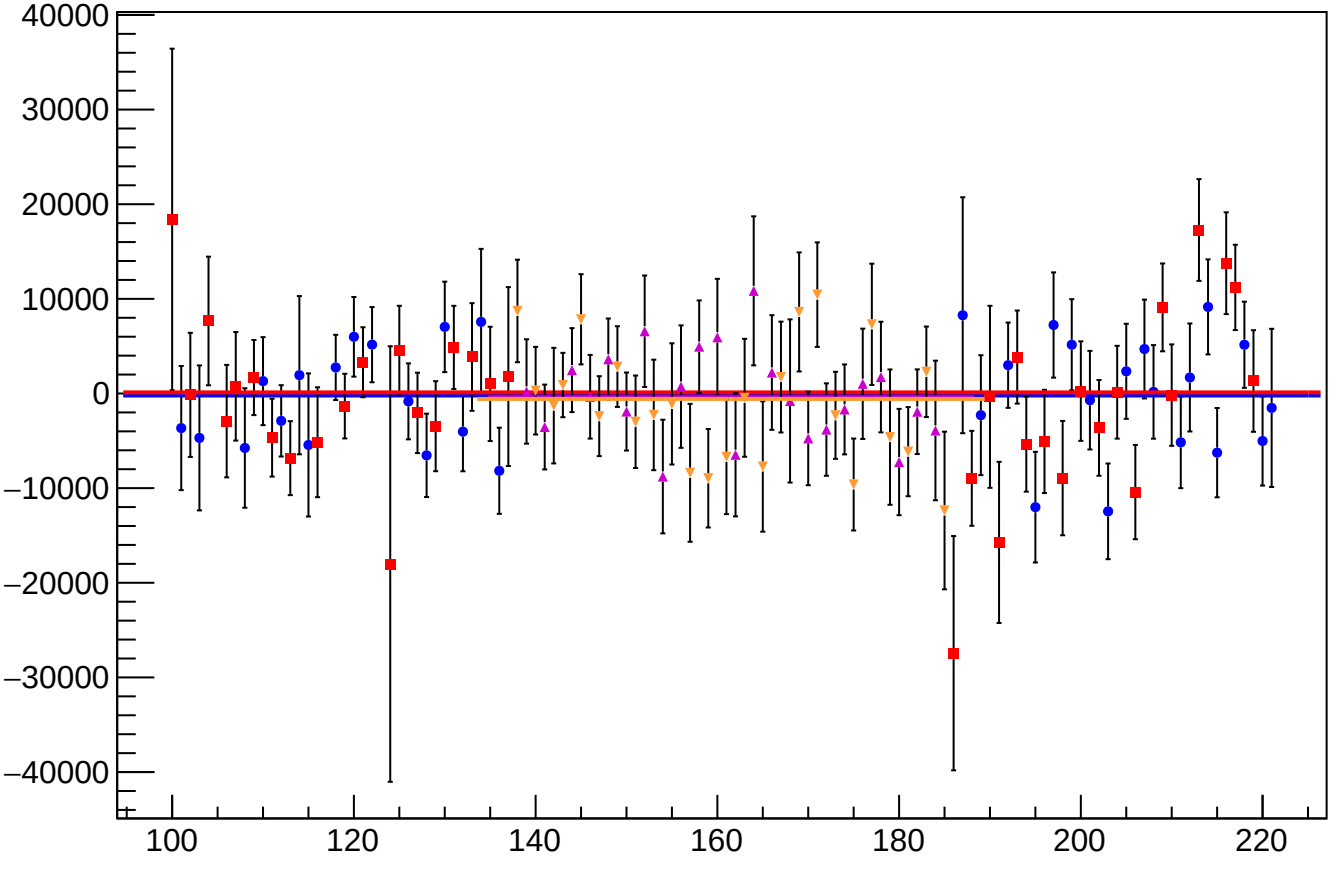
Right: 2677.680+/-0.326 χ^2/NDF: 18972279.0/70

In: 2910.978+/-0.373 χ^2/NDF:18934874.2/56

Out: 3502.249+/-0.416 χ^2/NDF:10320652.8/61

All: 3174.037+/-0.278 χ^2/NDF: 30375742.6/1

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: 117.803+/-858.904 χ^2/NDF: 61.1/36

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

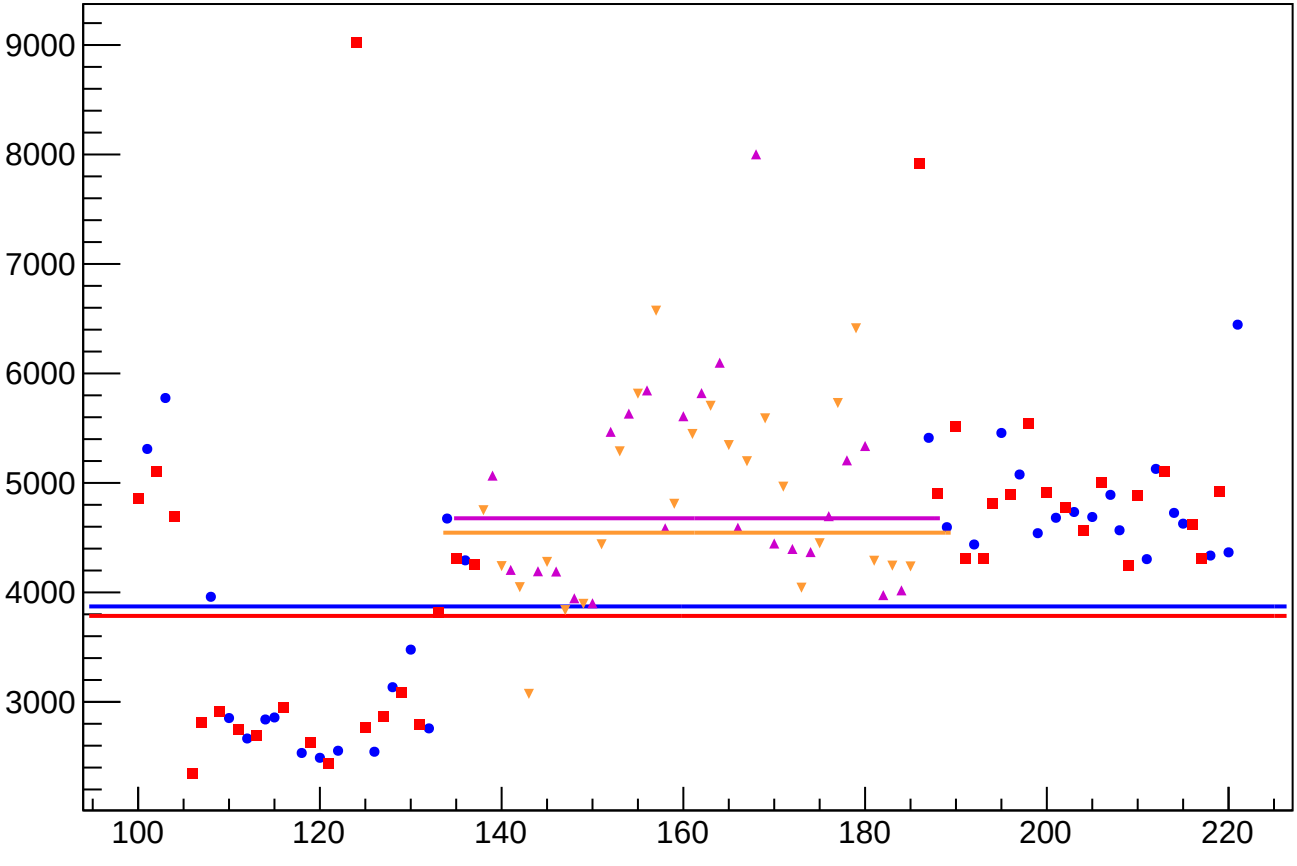
Right: -44.089+/-608.880 χ^2/NDF: 101.6/70

In: -279.578+/-681.332 χ^2/NDF:54.5/56

Out: -157.655+/-666.035 χ^2/NDF:90.1/61

All: -217.232+/-476.274 χ^2/NDF: 144.6/118

asym_atl_dd_rms vs Slug, Sign Corrected



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: 3785.280+/-0.603 χ^2/NDF: 3238125.1/36

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

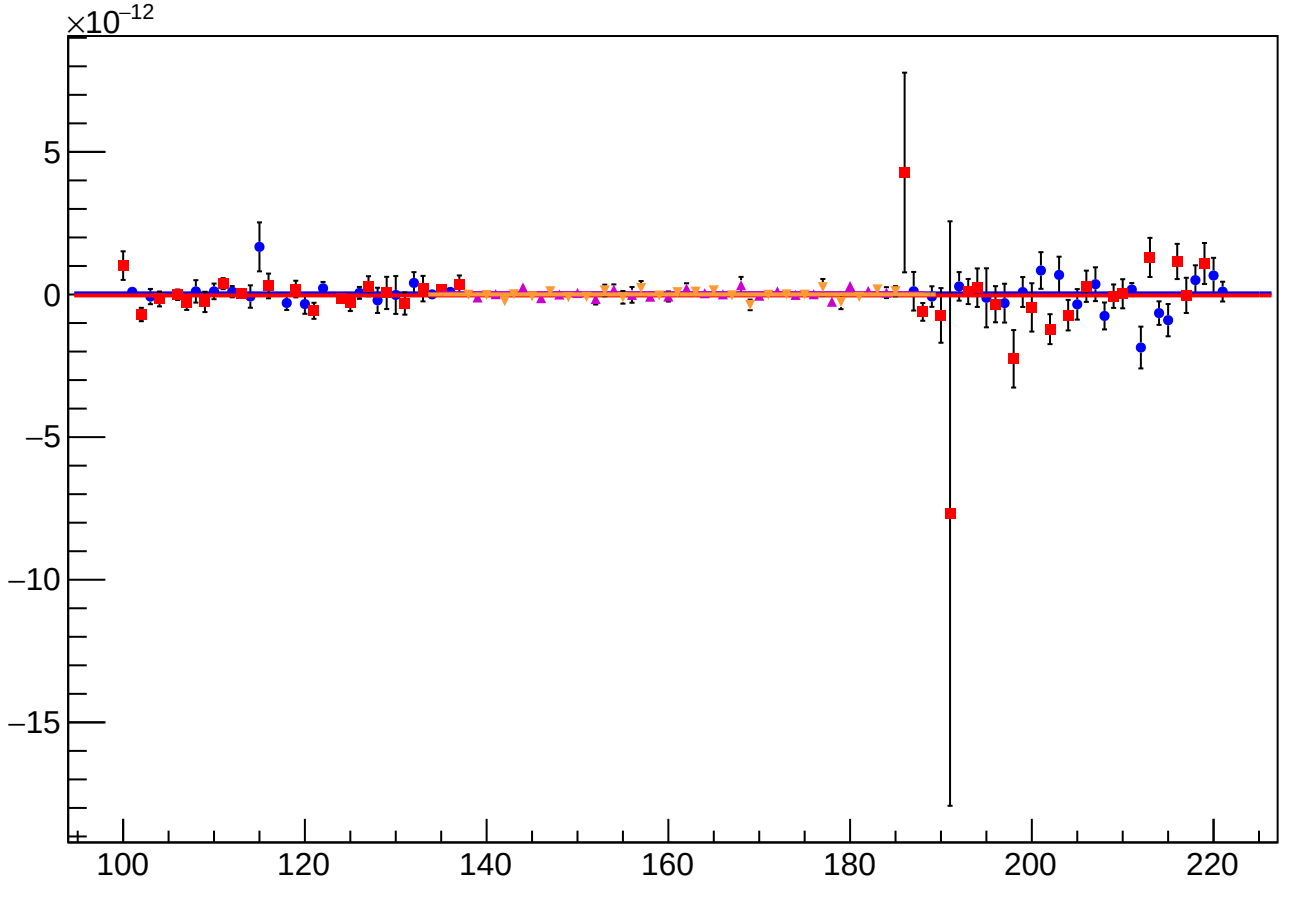
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3828.039+/-0.429 χ^2/NDF: 6140703.0/70

In: 4175.529+/-0.482 χ^2/NDF:4508340.2/56

Out: 4085.604+/-0.469 χ^2/NDF:5125070.9/61

All: 4129.340+/-0.336 χ^2/NDF: 9651305.9/11



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: 58.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

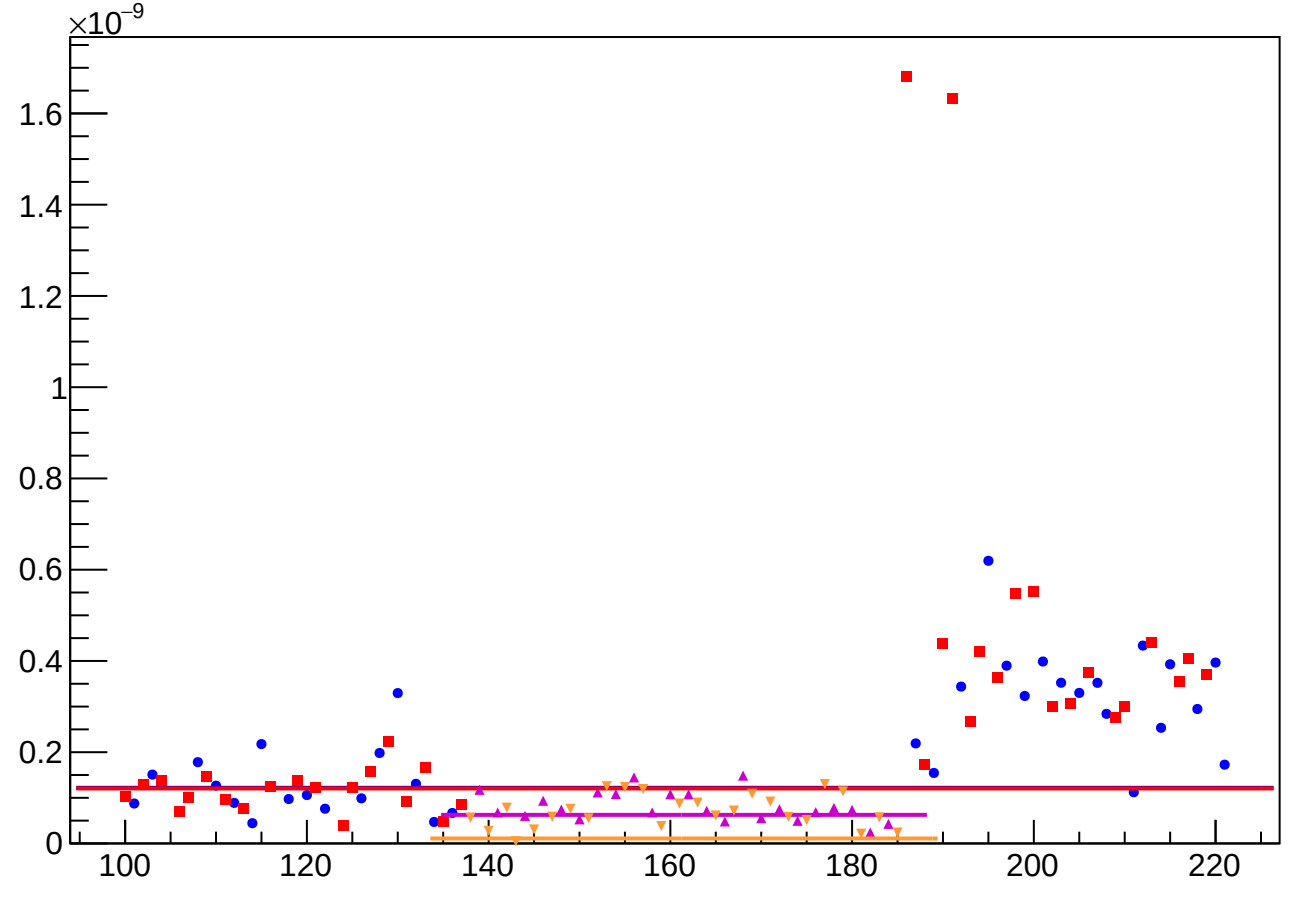
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 90.6/70

In: 0.000+/-0.000 χ^2/NDF:51.4/56

Out: 0.000+/-0.000 χ^2/NDF:77.5/61

All: 0.000+/-0.000 χ^2/NDF: 131.5/118



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: 7023298.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

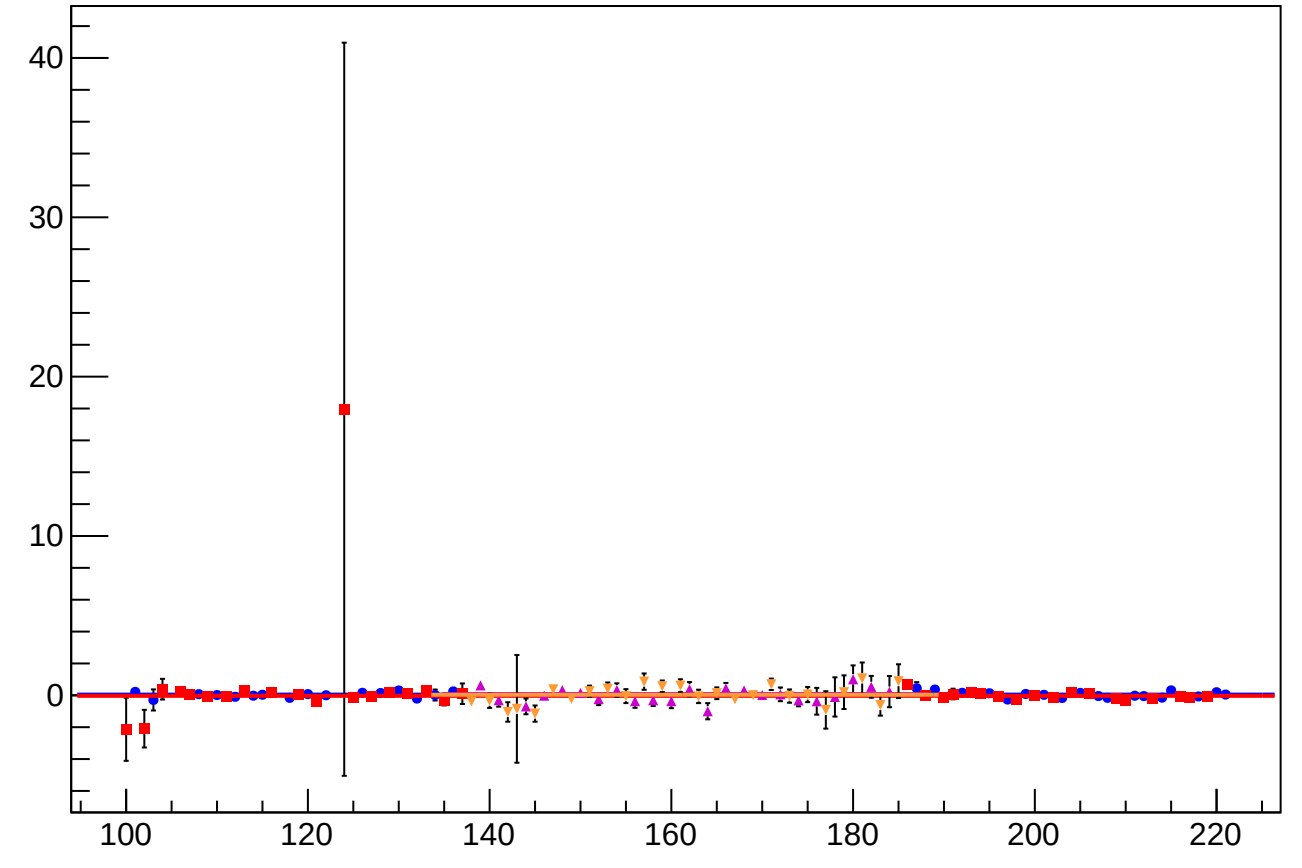
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13313753.1/70

In: 0.000+/-0.000 χ^2/NDF:10572801.8/56

Out: 0.000+/-0.000 χ^2/NDF:25516676.0/61

All: 0.000+/-0.000 χ^2/NDF: 48642407.6/118



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+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

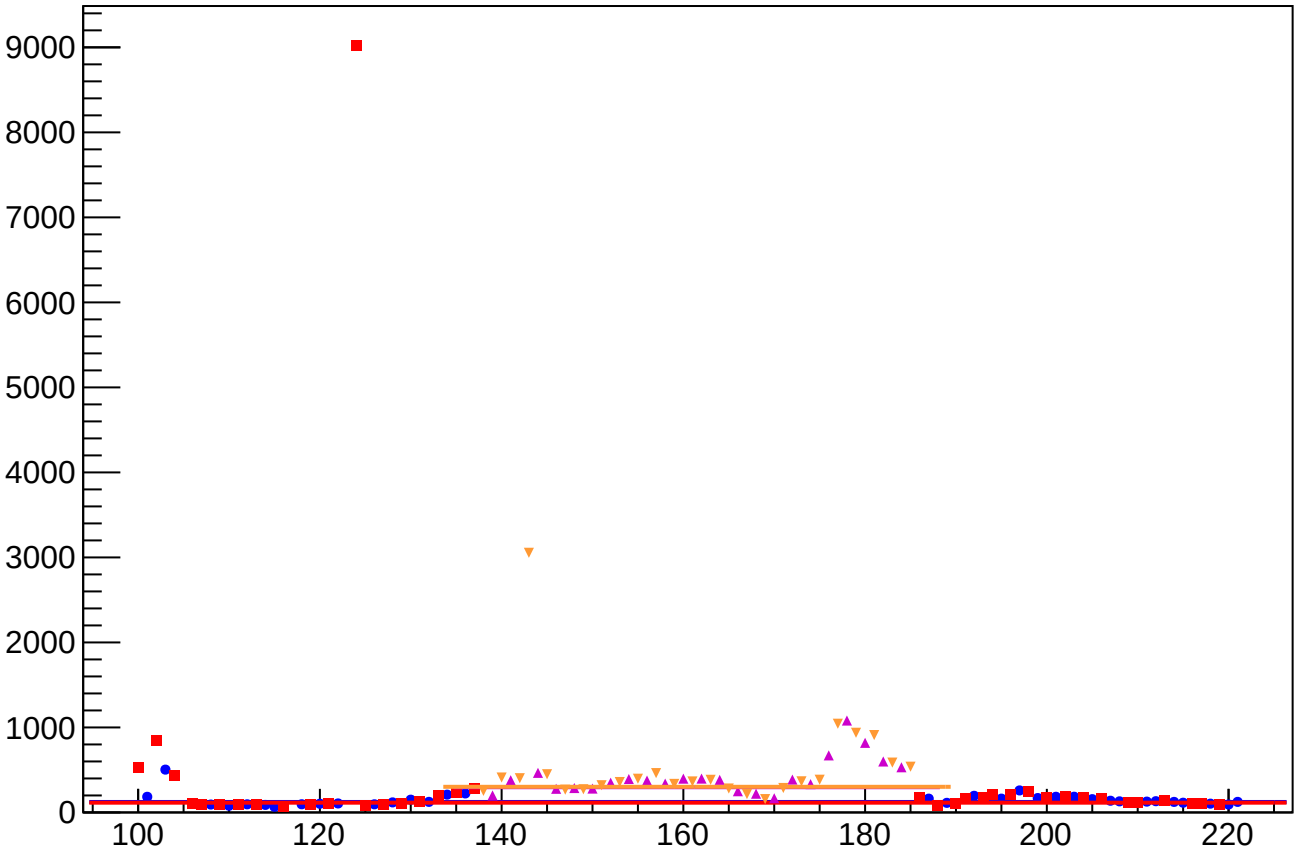
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.005+/-0.020 χ^2/NDF: 78.7/70

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.011+/-0.019 χ^2/NDF: 133.5/118



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: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

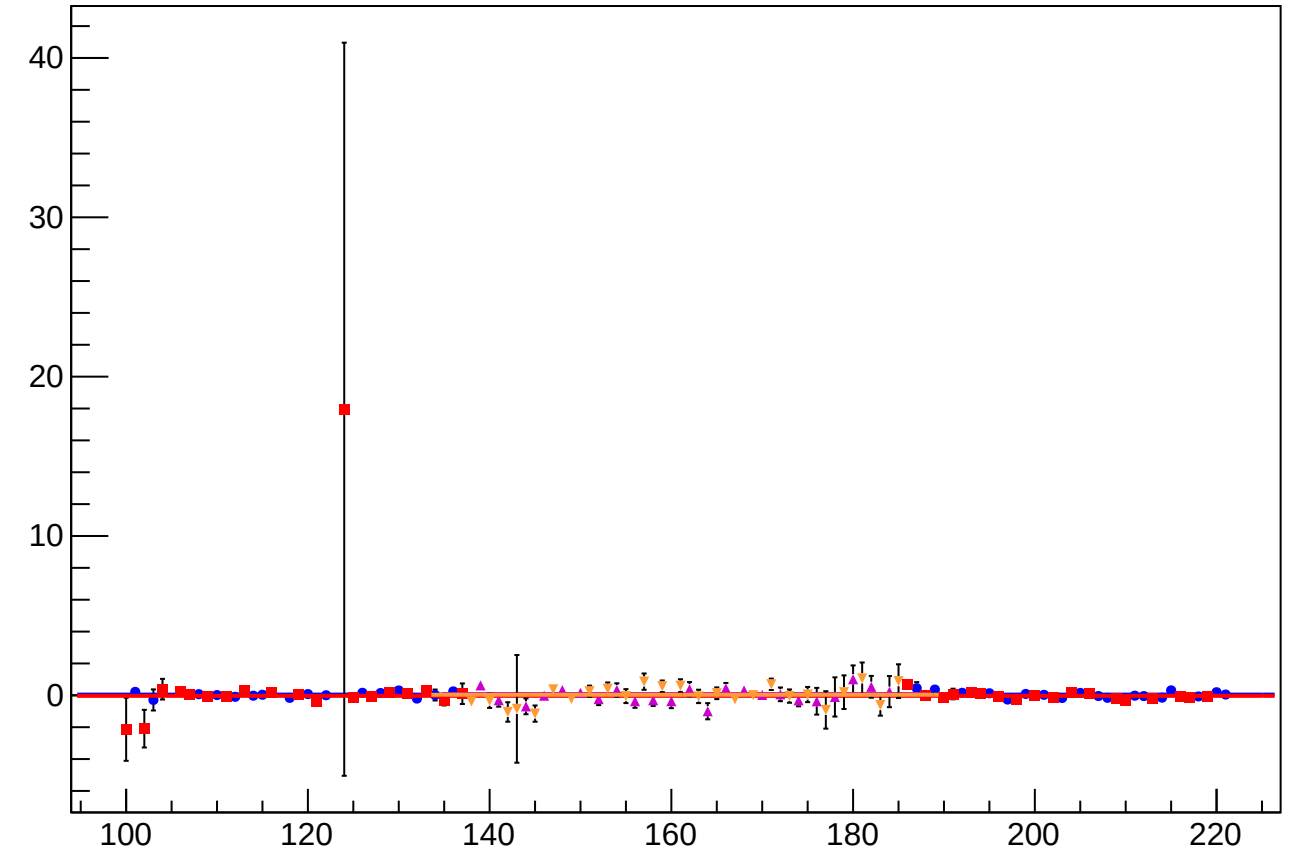
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 119.047+/-0.014 χ^2/NDF: 9448018.5/70

In: 144.698+/-0.019 χ^2/NDF:17874373.2/56

Out: 136.288+/-0.018 χ^2/NDF:22745724.1/61

All: 140.386+/-0.013 χ^2/NDF: 40722569.7/11



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+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

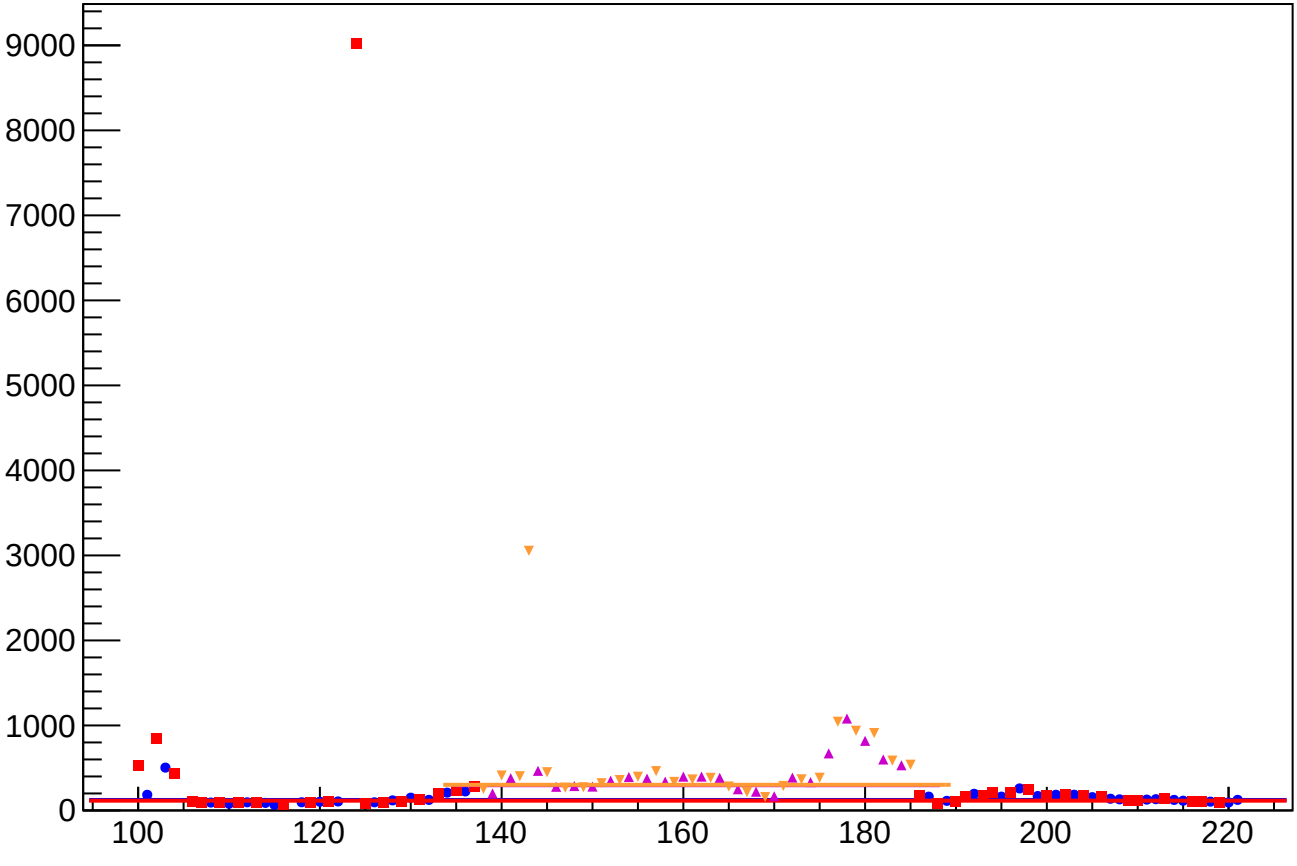
Right: 0.005+/-0.020 χ^2/NDF: 78.7/70

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.011+/-0.019 χ^2/NDF: 133.5/118

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: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

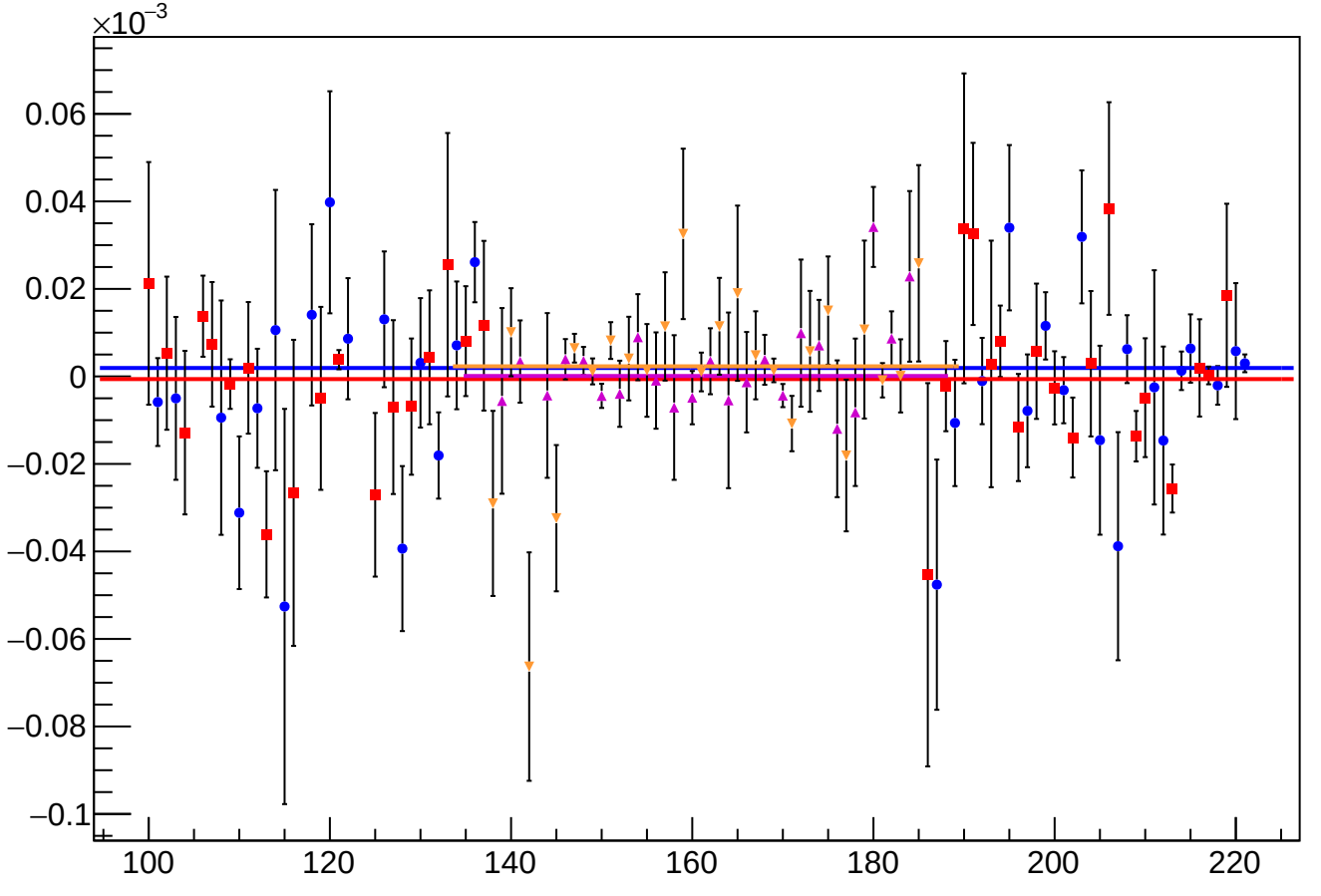
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 119.047+/-0.014 χ^2/NDF: 9448018.5/70

In: 144.698+/-0.019 χ^2/NDF:17874373.2/56

Out: 136.288+/-0.018 χ^2/NDF:22745724.1/61

All: 140.386+/-0.013 χ^2/NDF: 40722569.7/1



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: 57.2/35

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

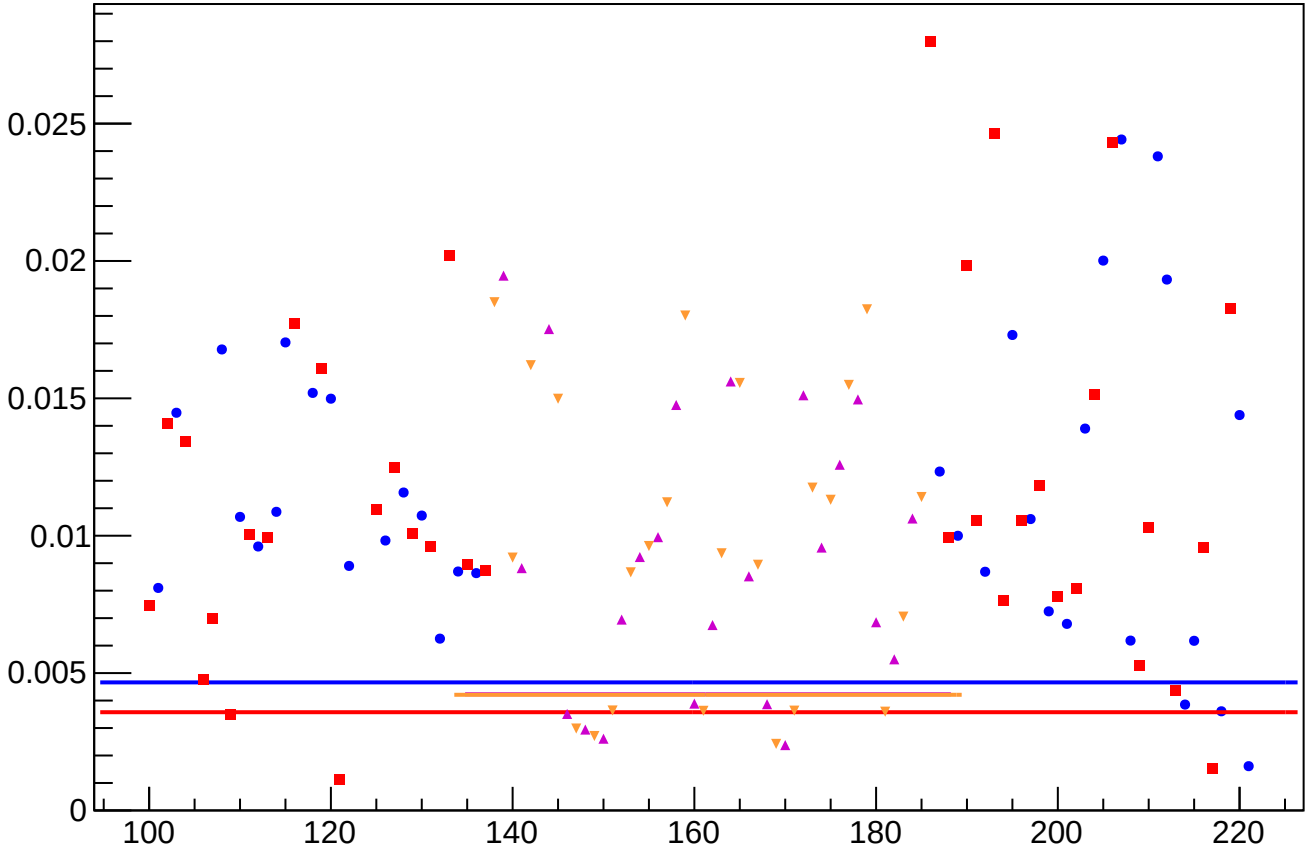
Right: 0.000+/-0.000 χ^2/NDF: 103.6/69

In: 0.000+/-0.000 χ^2/NDF:74.5/56

Out: 0.000+/-0.000 χ^2/NDF:91.2/59

All: 0.000+/-0.000 χ^2/NDF: 165.8/116

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.004+/-0.000 χ^2/NDF: 20908209.9/35

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

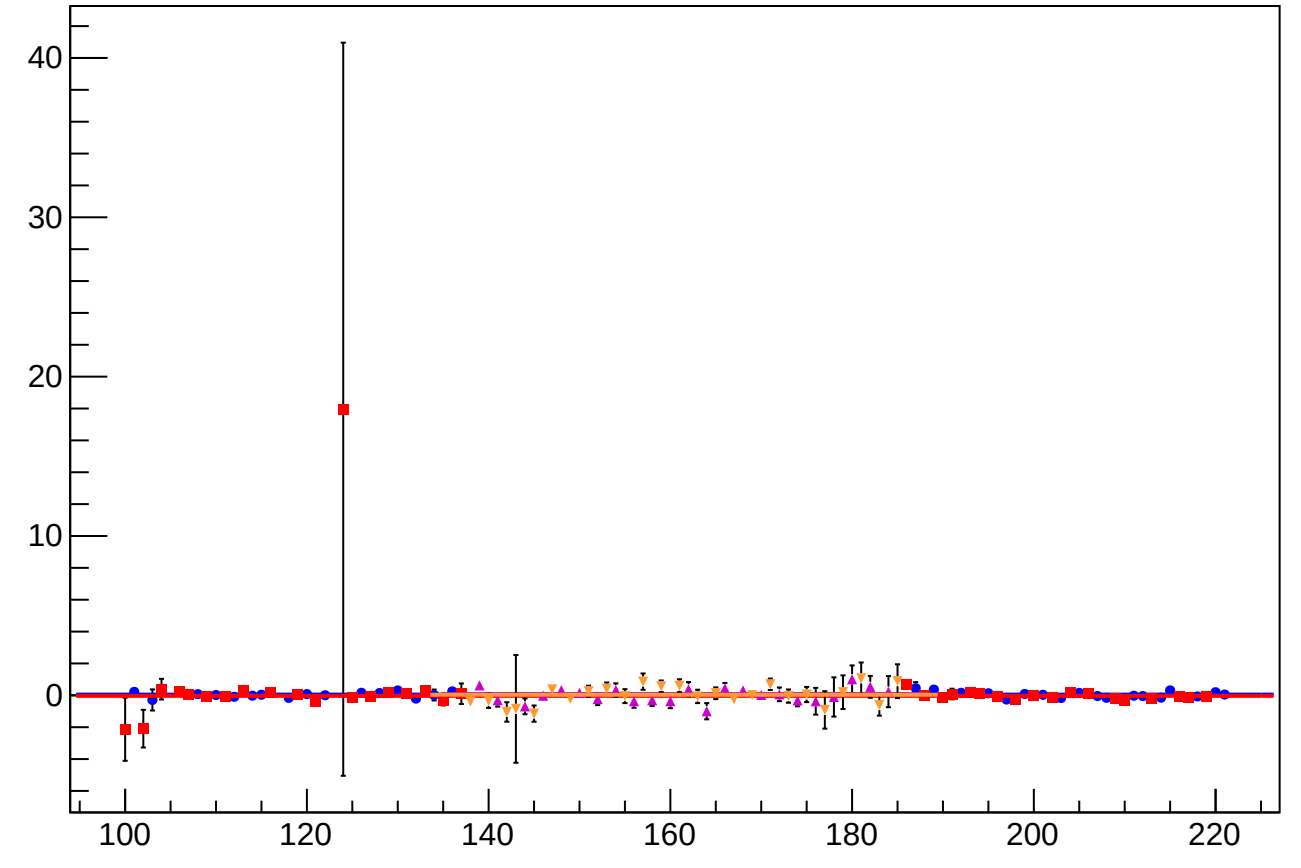
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.004+/-0.000 χ^2/NDF: 38900679.5/69

In: 0.004+/-0.000 χ^2/NDF:28429422.3/56

Out: 0.004+/-0.000 χ^2/NDF:33254276.5/59

All: 0.004+/-0.000 χ^2/NDF: 62051728.6/116



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+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

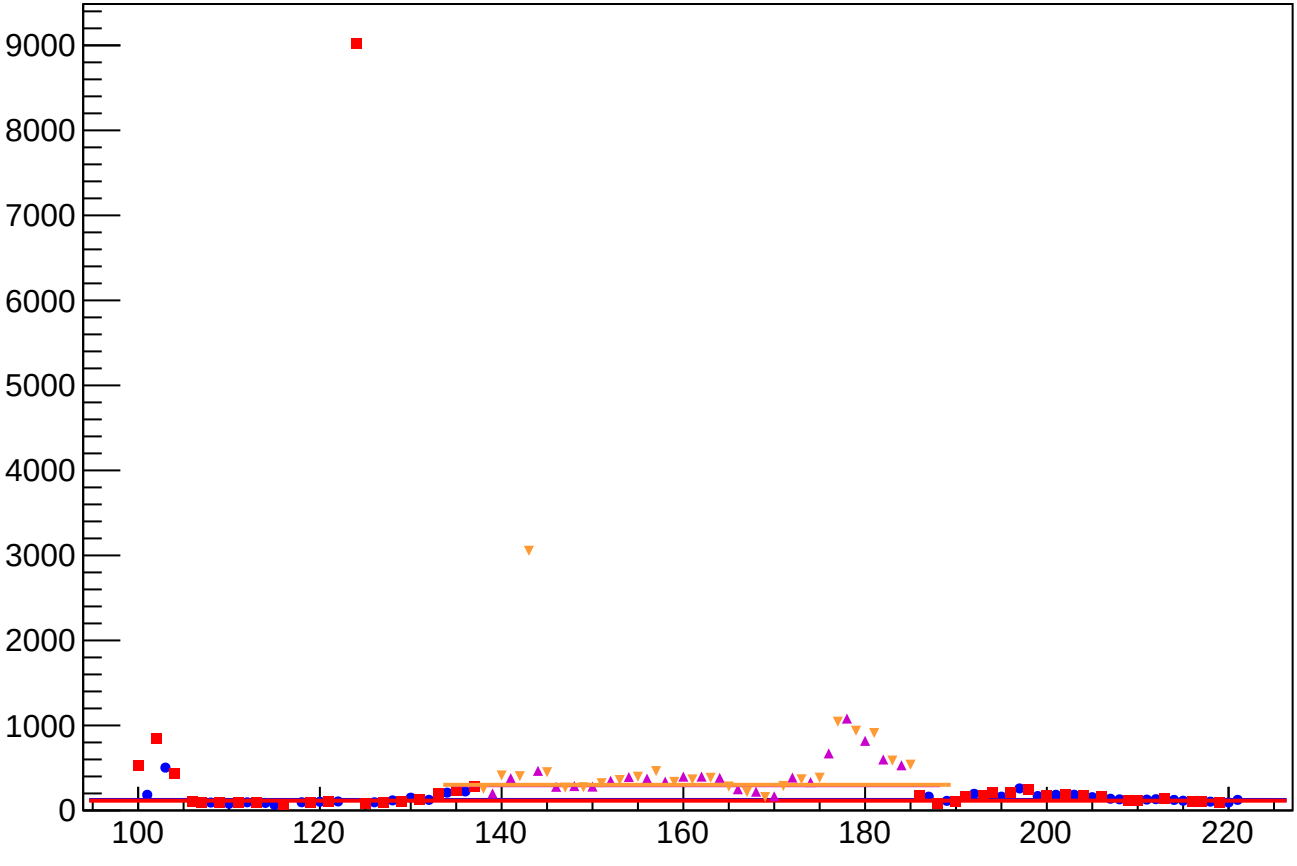
Right: 0.005+/-0.020 χ^2/NDF: 78.7/70

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.011+/-0.019 χ^2/NDF: 133.5/118

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: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

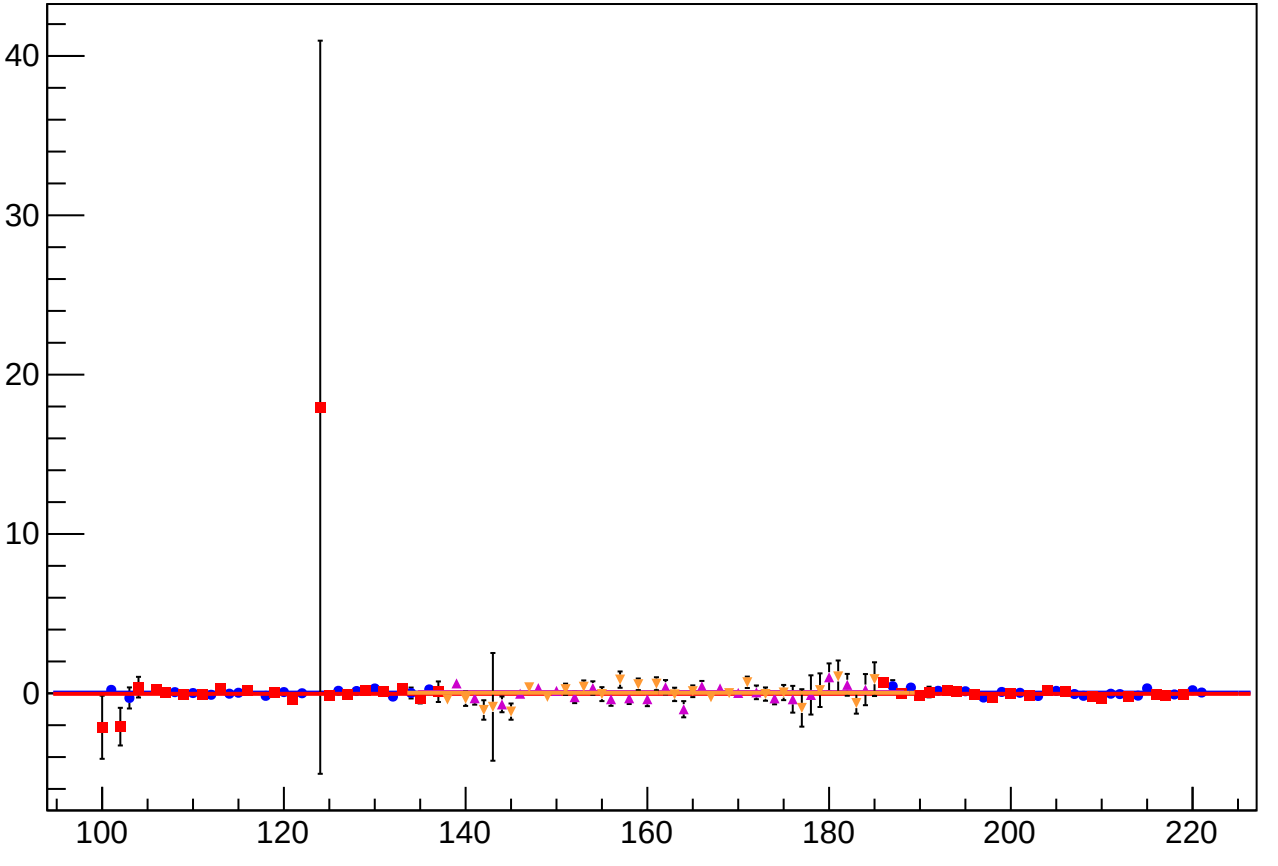
Right: 119.049+/-0.014 χ^2/NDF: 9447848.3/70

In: 144.700+/-0.019 χ^2/NDF:17874242.4/56

Out: 136.289+/-0.018 χ^2/NDF:22745568.0/61

All: 140.387+/-0.013 χ^2/NDF: 40722290.3/11

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+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

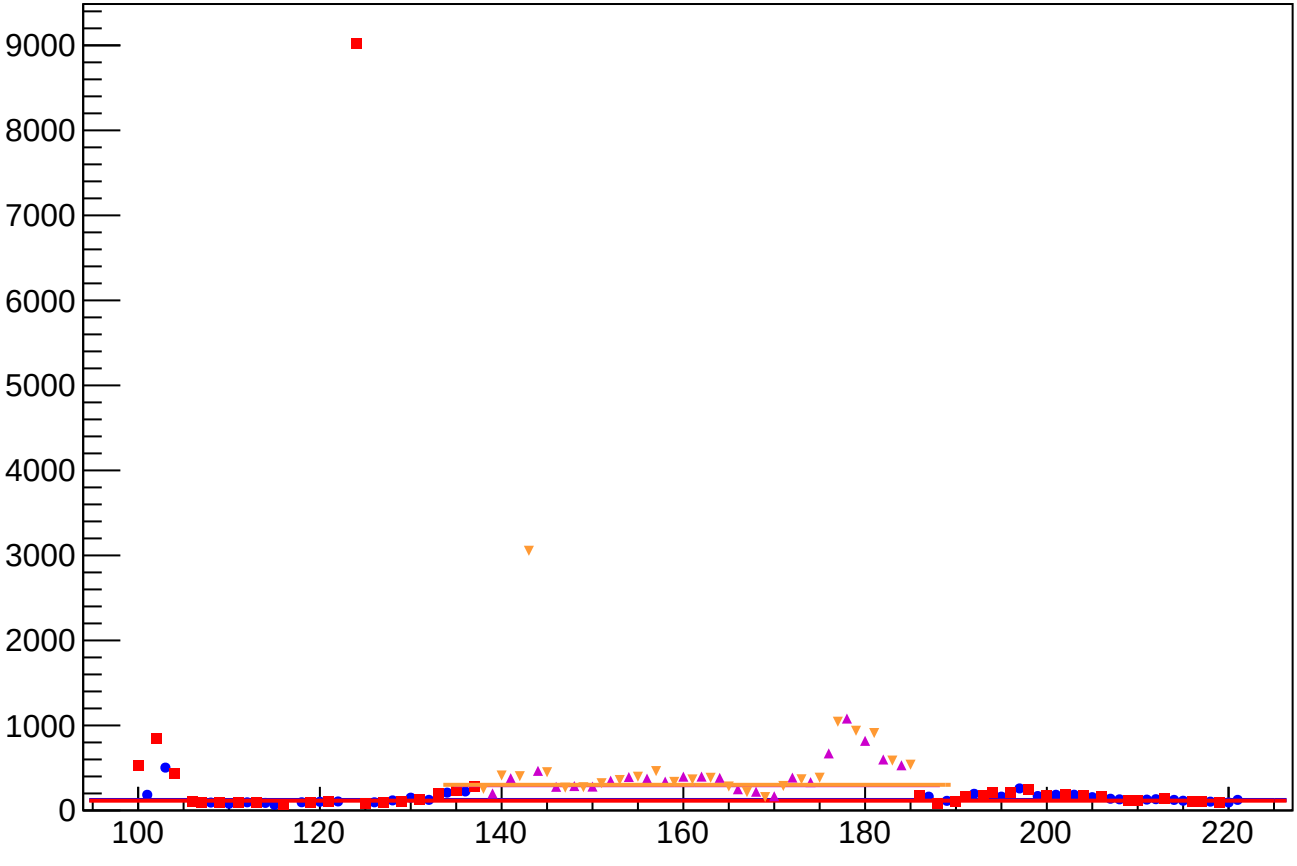
Right: 0.005+/-0.020 χ^2/NDF: 78.7/70

In: 0.048+/-0.027 χ^2/NDF:54.7/56

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.011+/-0.019 χ^2/NDF: 133.5/118

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: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

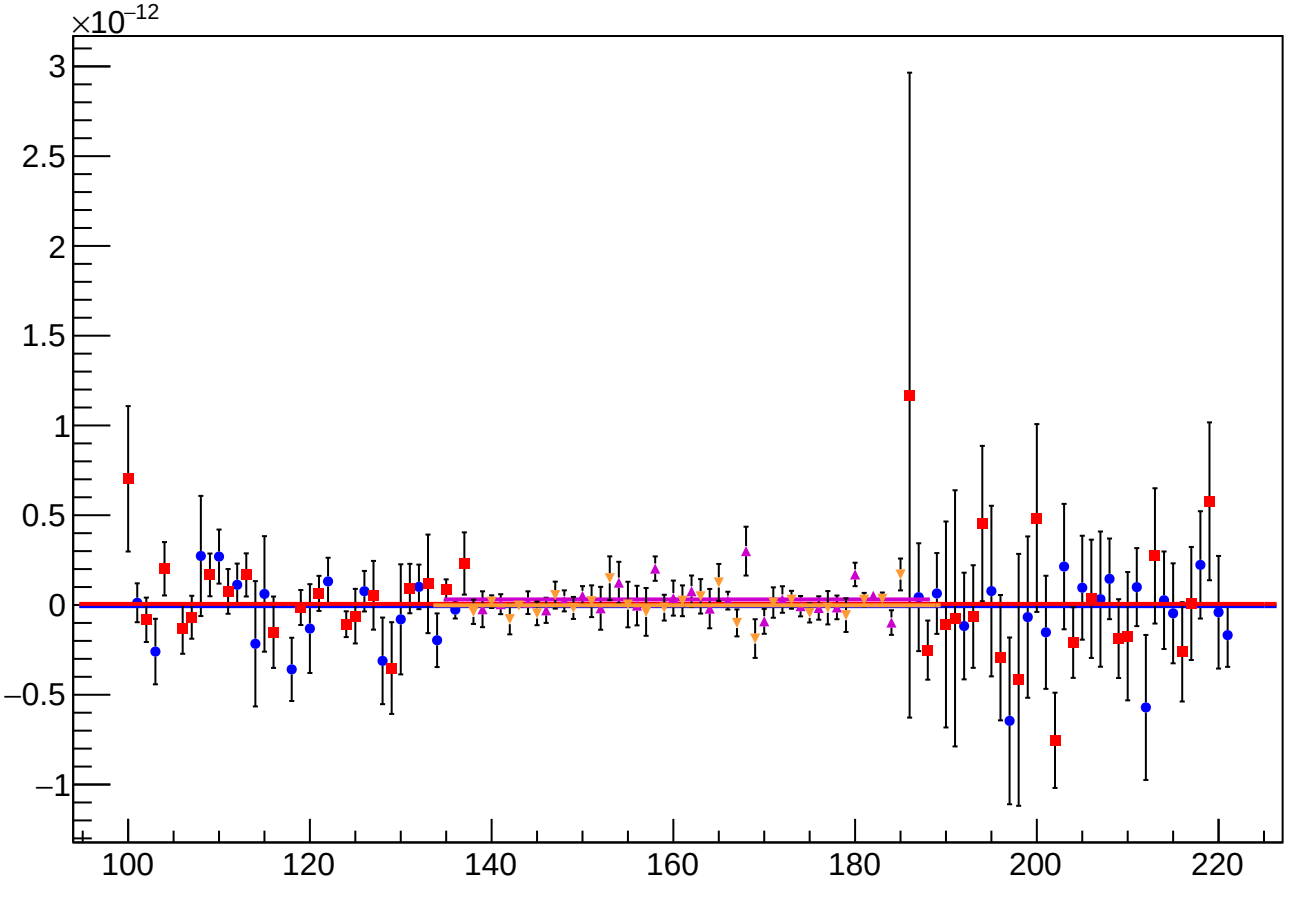
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 119.049+/-0.014 χ^2/NDF: 9447848.3/70

In: 144.700+/-0.019 χ^2/NDF:17874242.4/56

Out: 136.289+/-0.018 χ^2/NDF:22745568.0/61

All: 140.387+/-0.013 χ^2/NDF: 40722290.3/11



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: 39.9/36

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

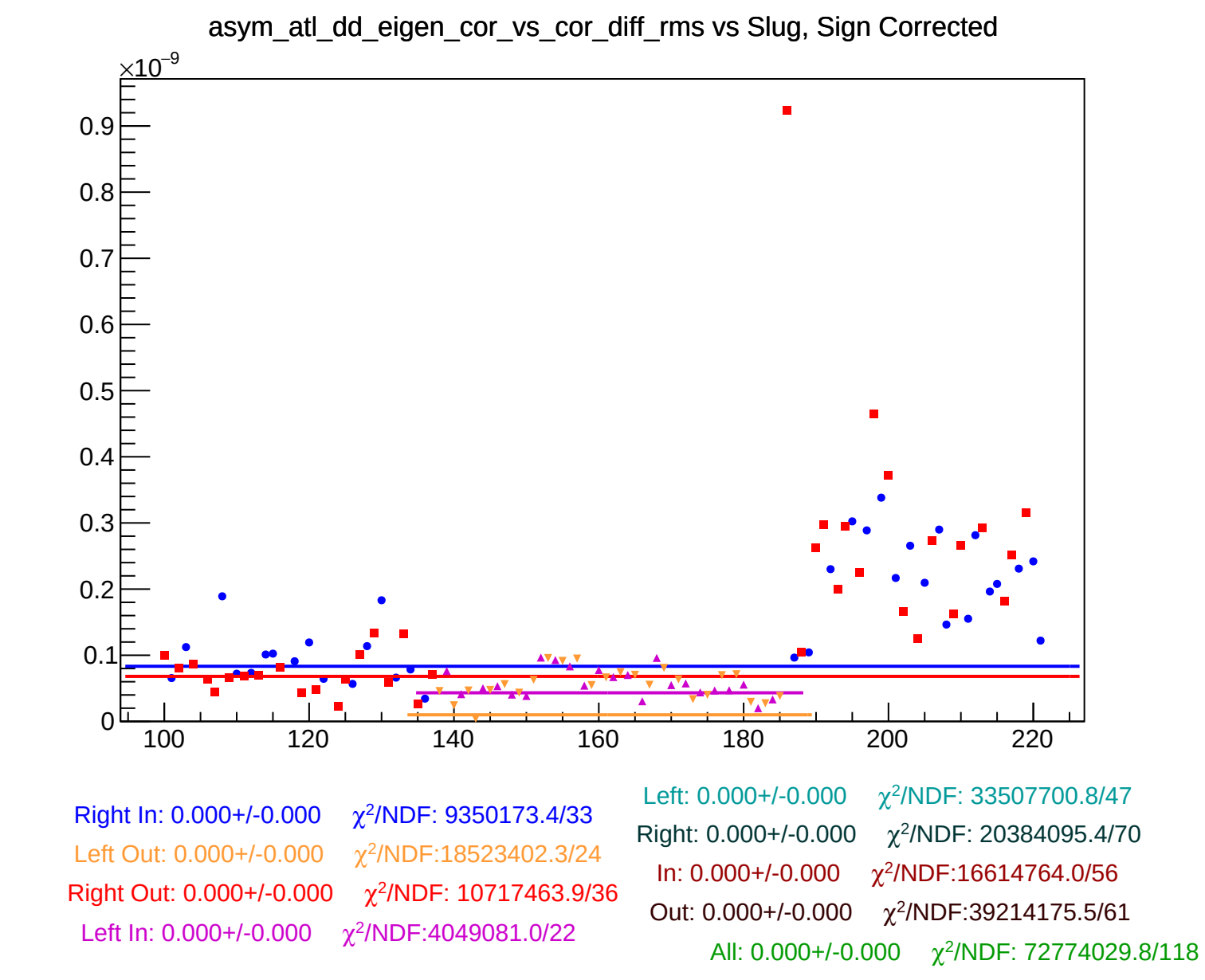
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 64.5/70

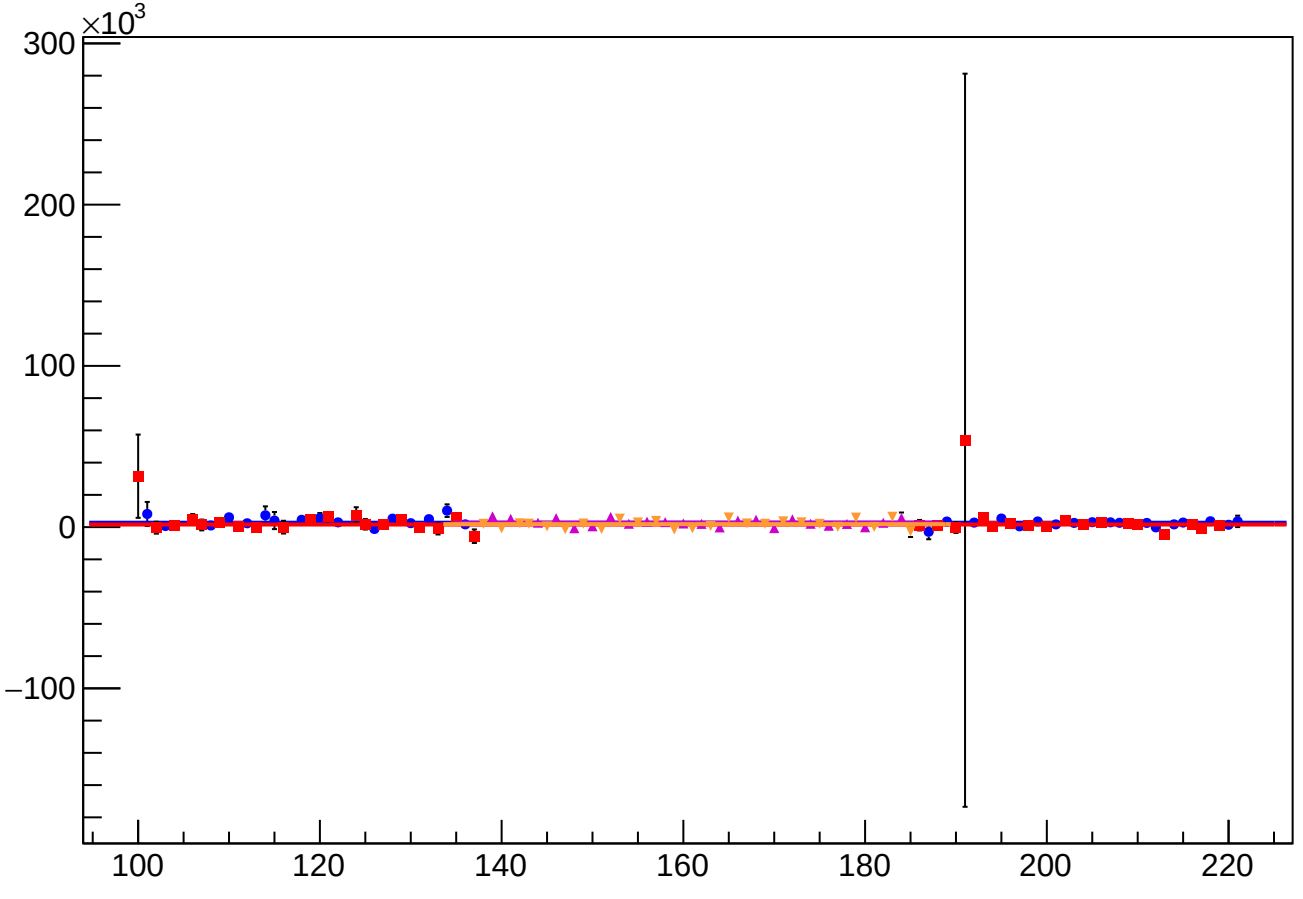
In: 0.000+/-0.000 χ^2/NDF:52.3/56

Out: -0.000+/-0.000 χ^2/NDF:57.7/61

All: 0.000+/-0.000 χ^2/NDF: 113.9/118


asym_atl_dd_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: 9350173.4/33
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 10717463.9/36
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
Left: 0.000+/-0.000 χ²/NDF: 33507700.8/47
Right: 0.000+/-0.000 χ²/NDF: 20384095.4/70
In: 0.000+/-0.000 χ²/NDF:16614764.0/56
Out: 0.000+/-0.000 χ²/NDF:39214175.5/61
All: 0.000+/-0.000 χ²/NDF: 72774029.8/118

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: 1605.136+/-427.266 χ^2/NDF: 34.2/36

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

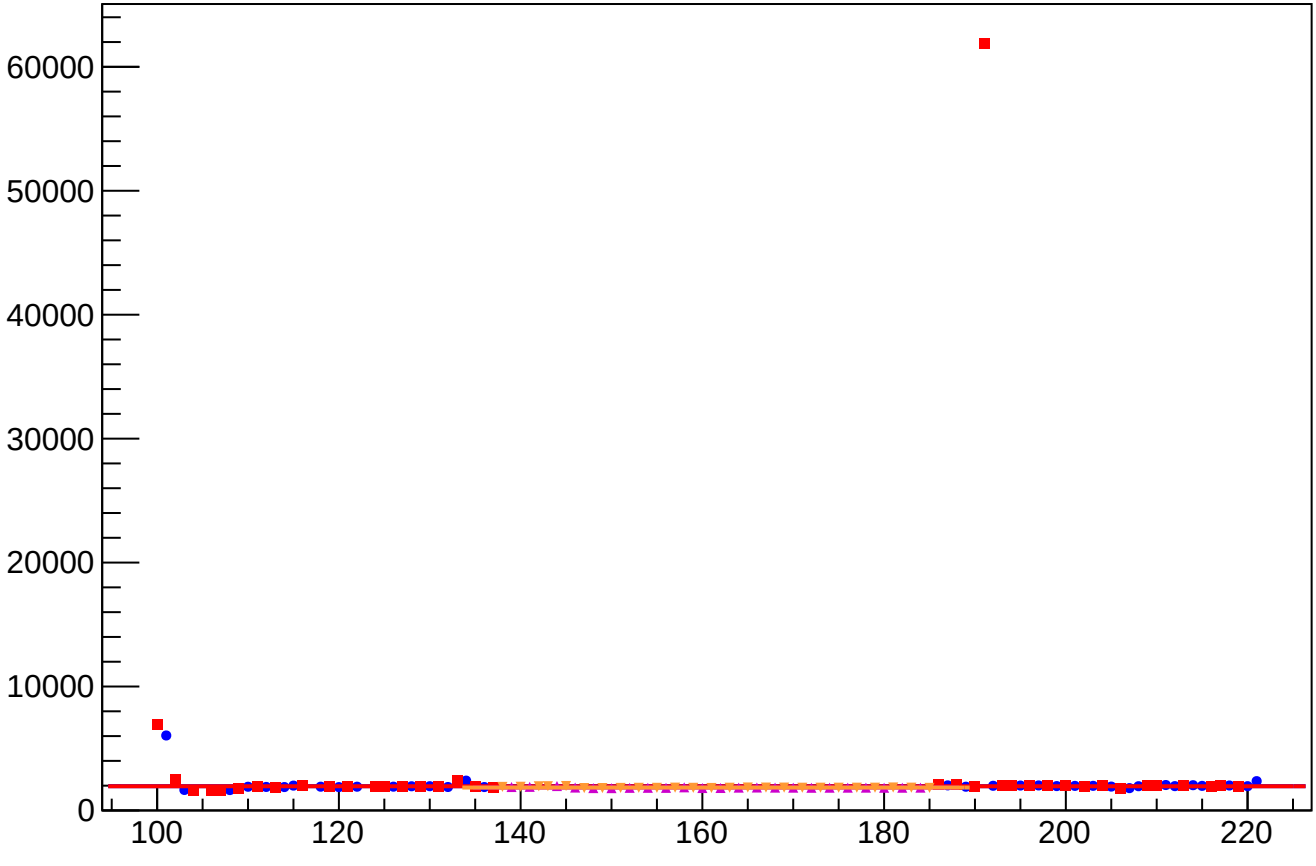
Right: 2172.789+/-301.725 χ^2/NDF: 56.8/70

In: 2756.405+/-302.986 χ^2/NDF:44.6/56

Out: 1730.683+/-299.523 χ^2/NDF:65.8/61

All: 2237.648+/-213.009 χ^2/NDF: 116.2/118

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: 1952.352+/-0.302 χ^2/NDF: 427422.9/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

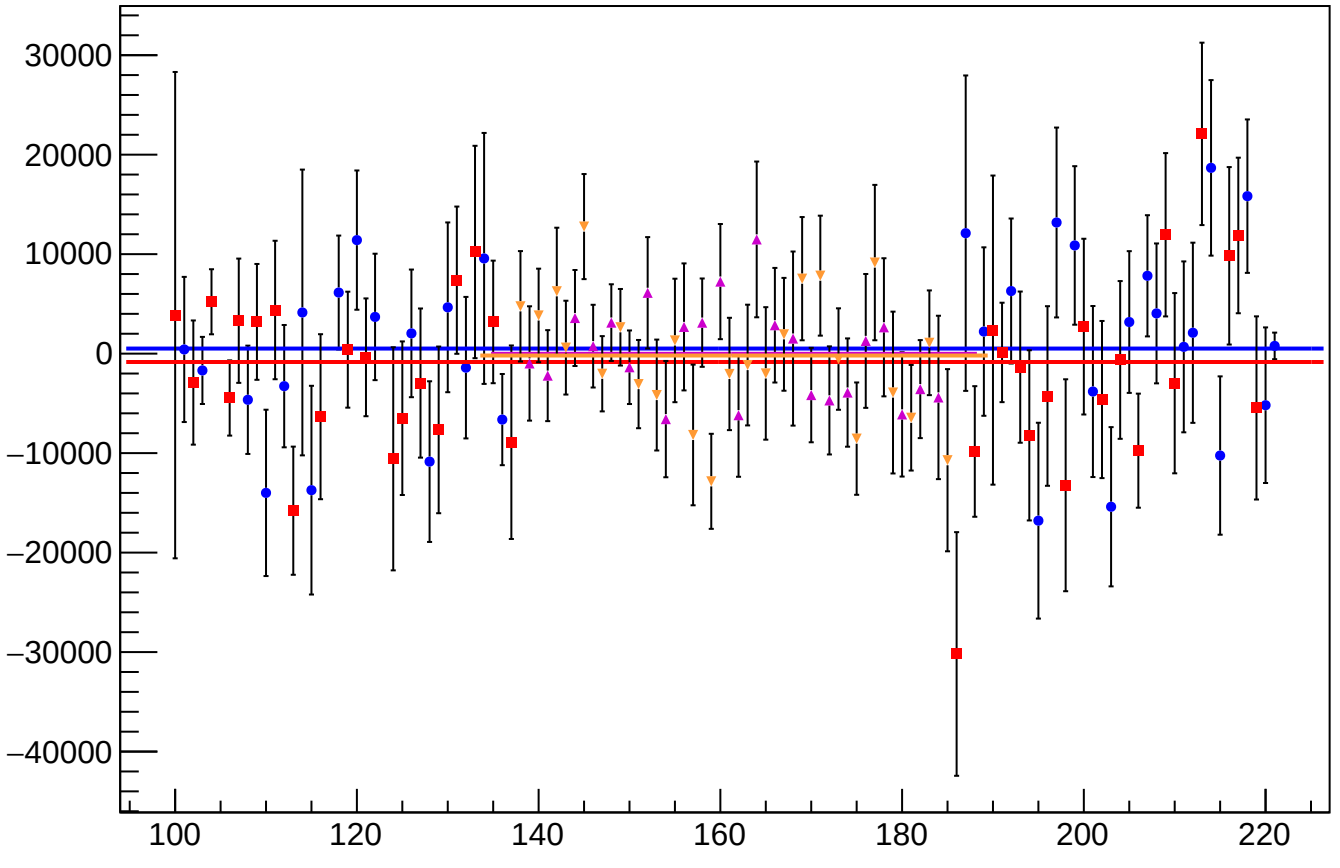
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1955.811+/-0.213 χ^2/NDF: 1183064.7/70

In: 1902.790+/-0.214 χ^2/NDF:840427.6/56

Out: 1899.612+/-0.212 χ^2/NDF:508452.5/61

All: 1901.182+/-0.151 χ^2/NDF: 1348991.4/11



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: -840.431+/-1143.383 χ^2/NDF: 43.1/36

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

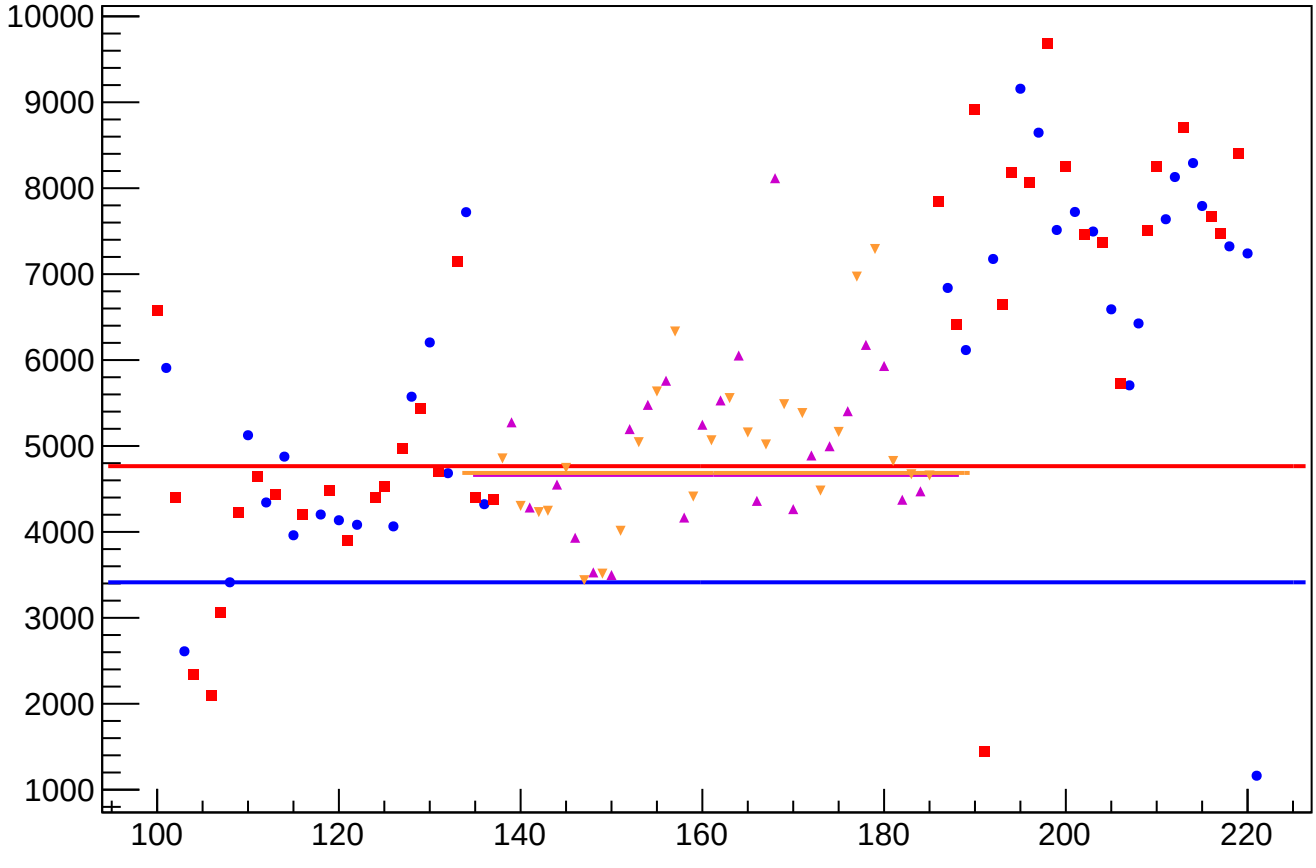
Right: -11.554+/-710.570 χ^2/NDF: 83.9/70

In: 298.648+/-702.988 χ^2/NDF:53.8/56

Out: -498.982+/-788.419 χ^2/NDF:72.2/61

All: -54.627+/-524.702 χ^2/NDF: 126.6/118

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



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: 4765.174+/-0.808 χ^2/NDF: 7360750.1/36

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

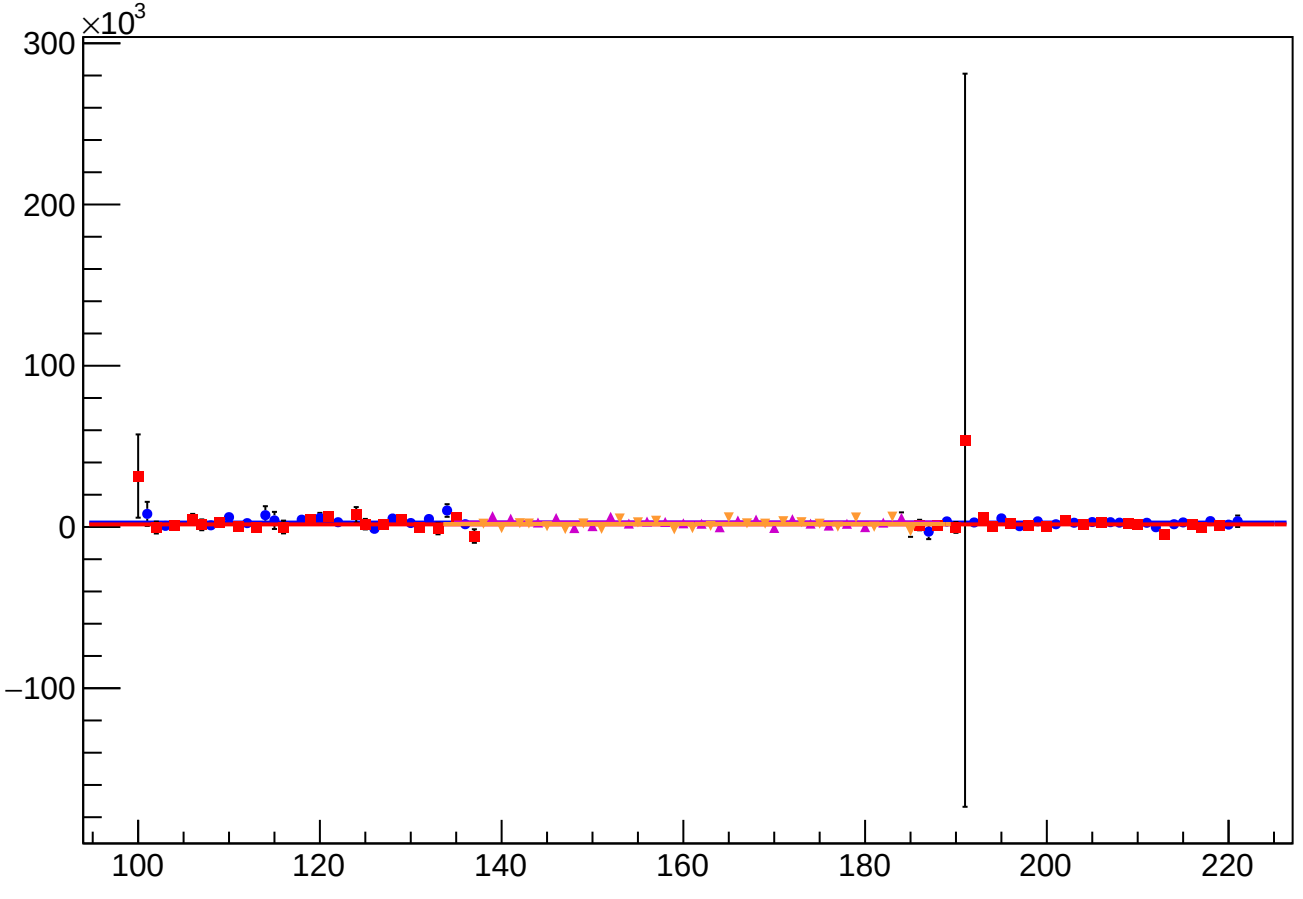
Right: 3935.537+/-0.502 χ^2/NDF: 24043415.7/70

In: 3912.461+/-0.497 χ^2/NDF:17769938.1/56

Out: 4723.831+/-0.557 χ^2/NDF:8550799.0/61

All: 4271.822+/-0.371 χ^2/NDF: 27500741.3/1

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: 1605.573+/-427.267 χ^2/NDF: 34.2/36

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

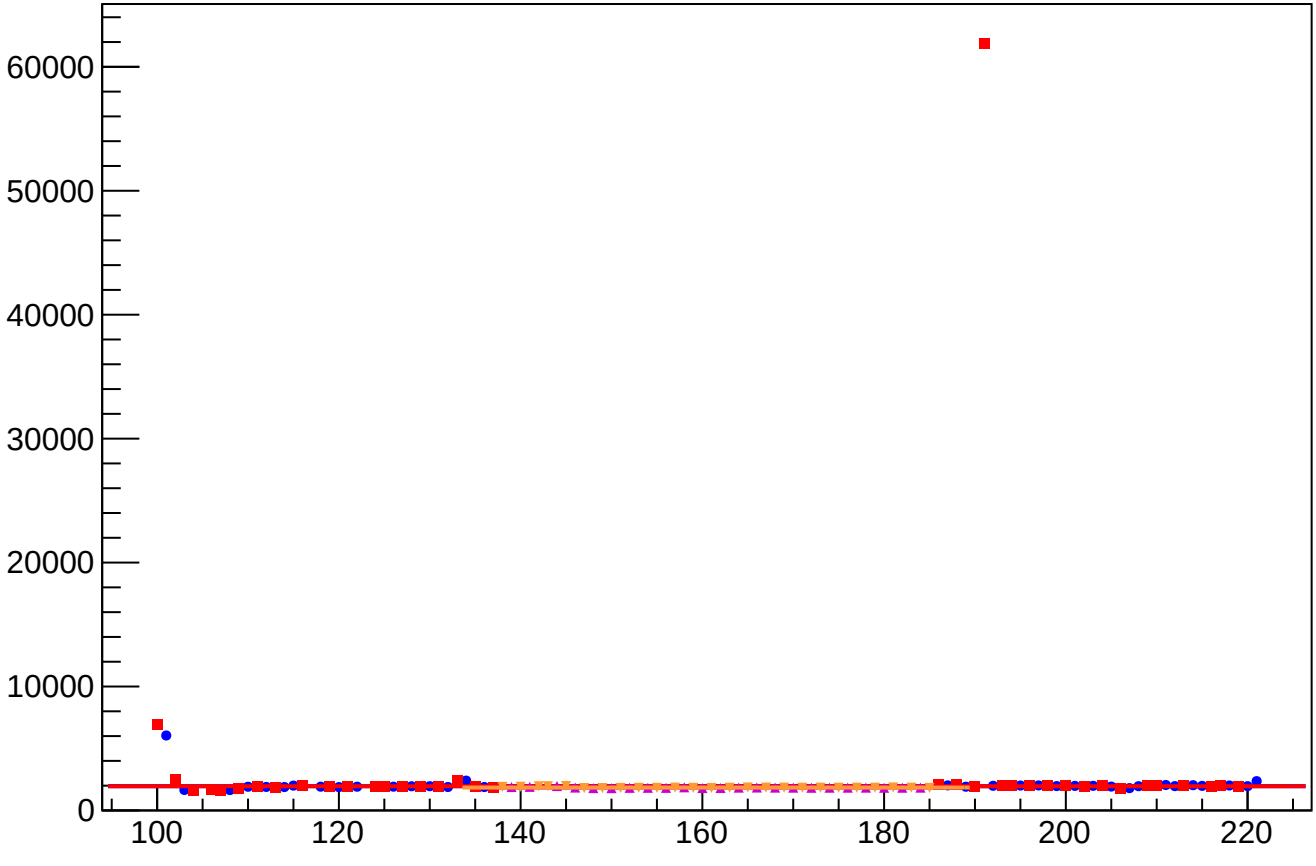
Right: 2172.865+/-301.726 χ^2/NDF: 56.8/70

In: 2756.249+/-302.986 χ^2/NDF:44.5/56

Out: 1730.841+/-299.523 χ^2/NDF:65.9/61

All: 2237.652+/-213.009 χ^2/NDF: 116.2/118

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: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

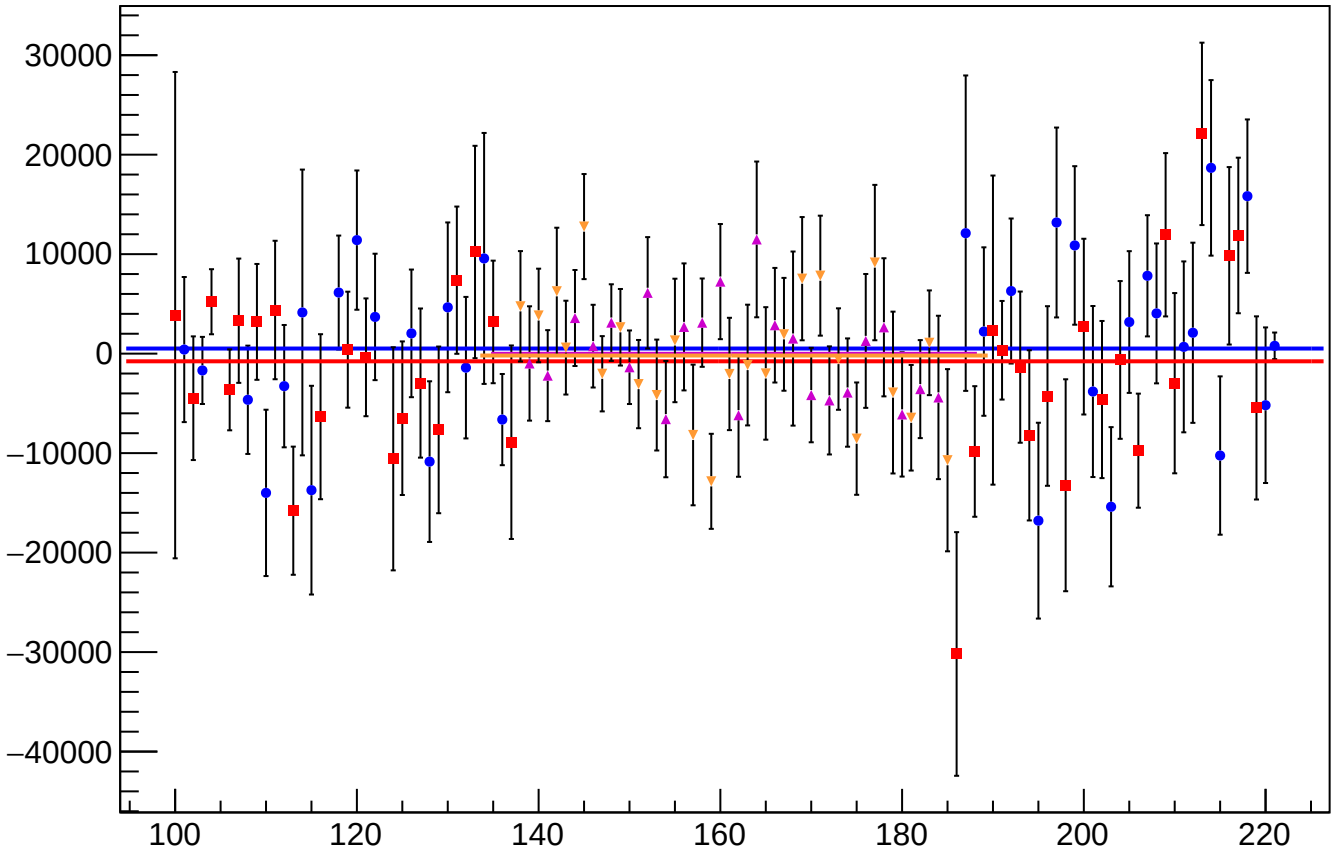
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1956.575+/-0.213 χ^2/NDF: 1174518.7/70

In: 1902.790+/-0.214 χ^2/NDF:840426.7/56

Out: 1900.328+/-0.212 χ^2/NDF:501749.5/61

All: 1901.544+/-0.151 χ^2/NDF: 1342243.0/11



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: -770.960+/-1149.917 χ^2/NDF: 42.9/36

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

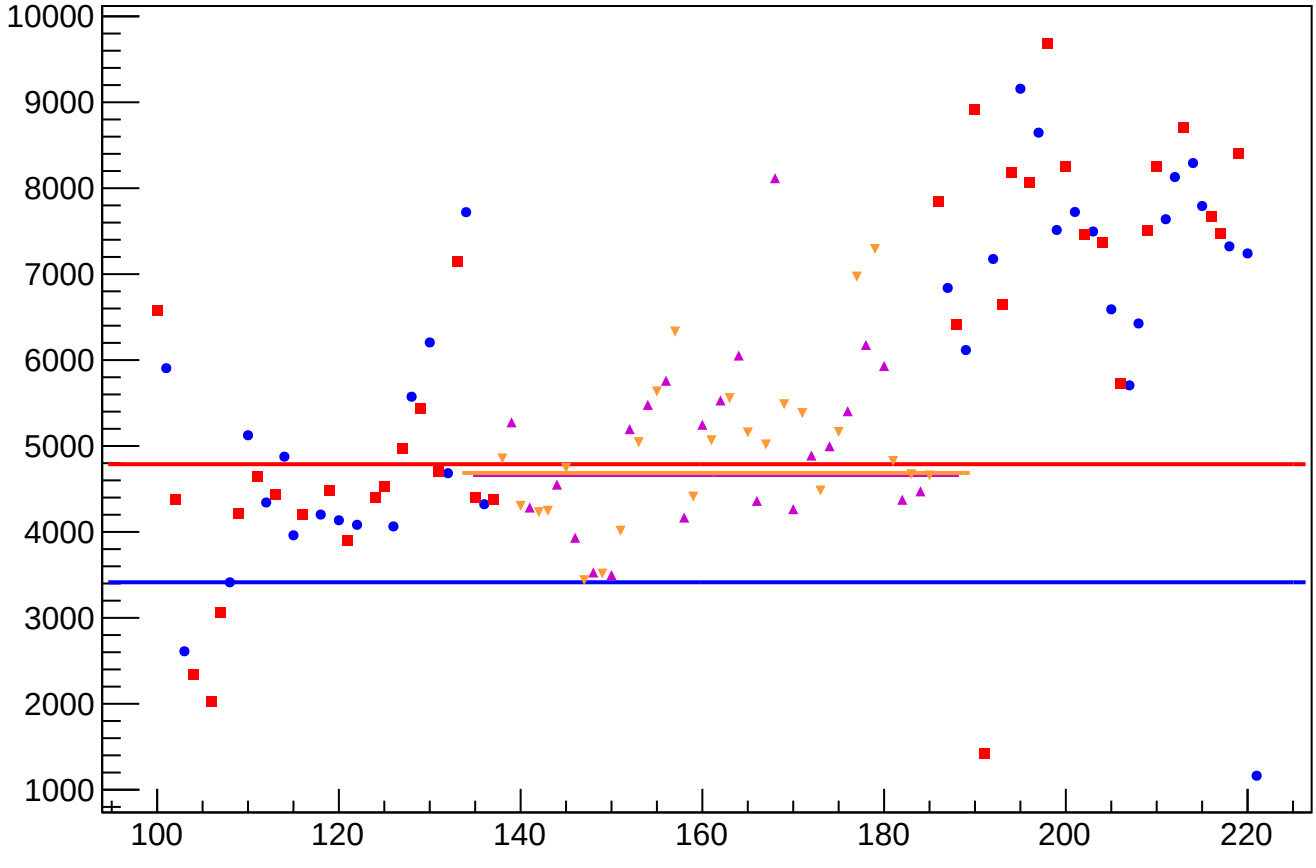
Right: 20.601+/-712.192 χ^2/NDF: 83.7/70

In: 300.499+/-703.048 χ^2/NDF:53.8/56

Out: -464.313+/-790.551 χ^2/NDF:72.0/61

All: -37.253+/-525.354 χ^2/NDF: 126.4/118

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: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

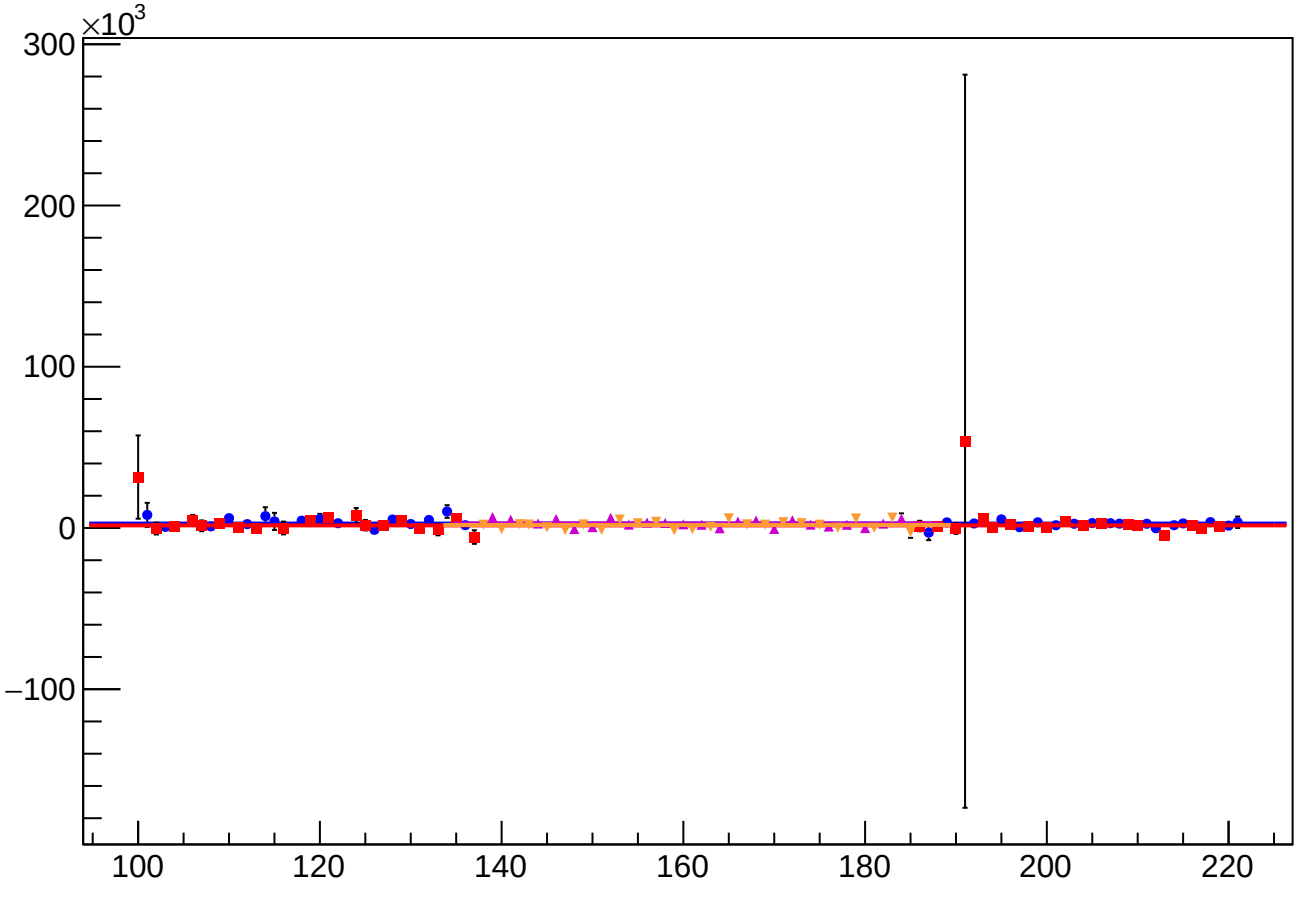
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 3941.360+/-0.504 χ^2/NDF: 24018470.7/70

In: 3913.051+/-0.497 χ^2/NDF:17761875.0/56

Out: 4734.522+/-0.559 χ^2/NDF:8490631.9/61

All: 4275.825+/-0.371 χ^2/NDF: 27458346.7/1



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: 1605.573+/-427.267 χ^2/NDF: 34.2/36

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

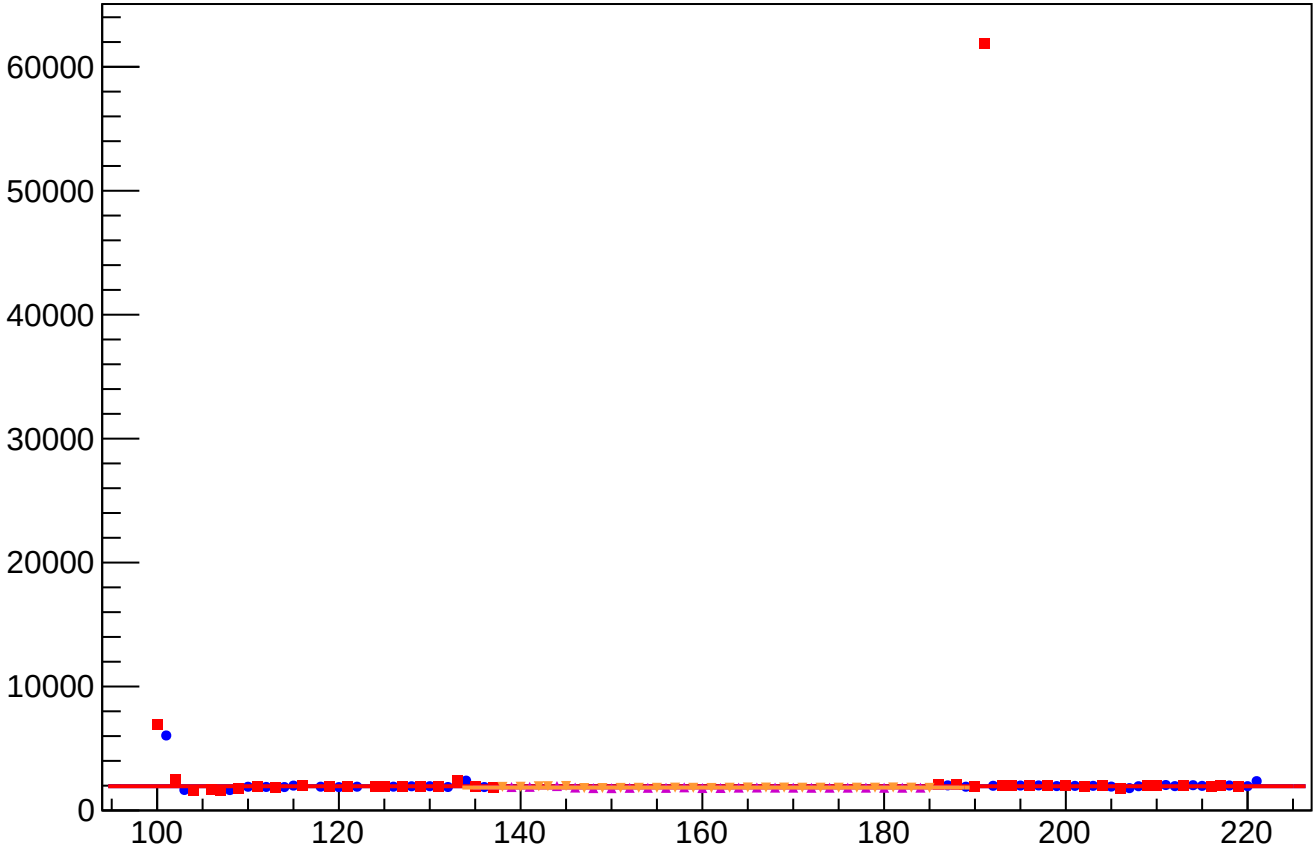
Right: 2172.865+/-301.726 χ^2/NDF: 56.8/70

In: 2756.249+/-302.986 χ^2/NDF:44.5/56

Out: 1730.841+/-299.523 χ^2/NDF:65.9/61

All: 2237.652+/-213.009 χ^2/NDF: 116.2/118

eigen_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: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

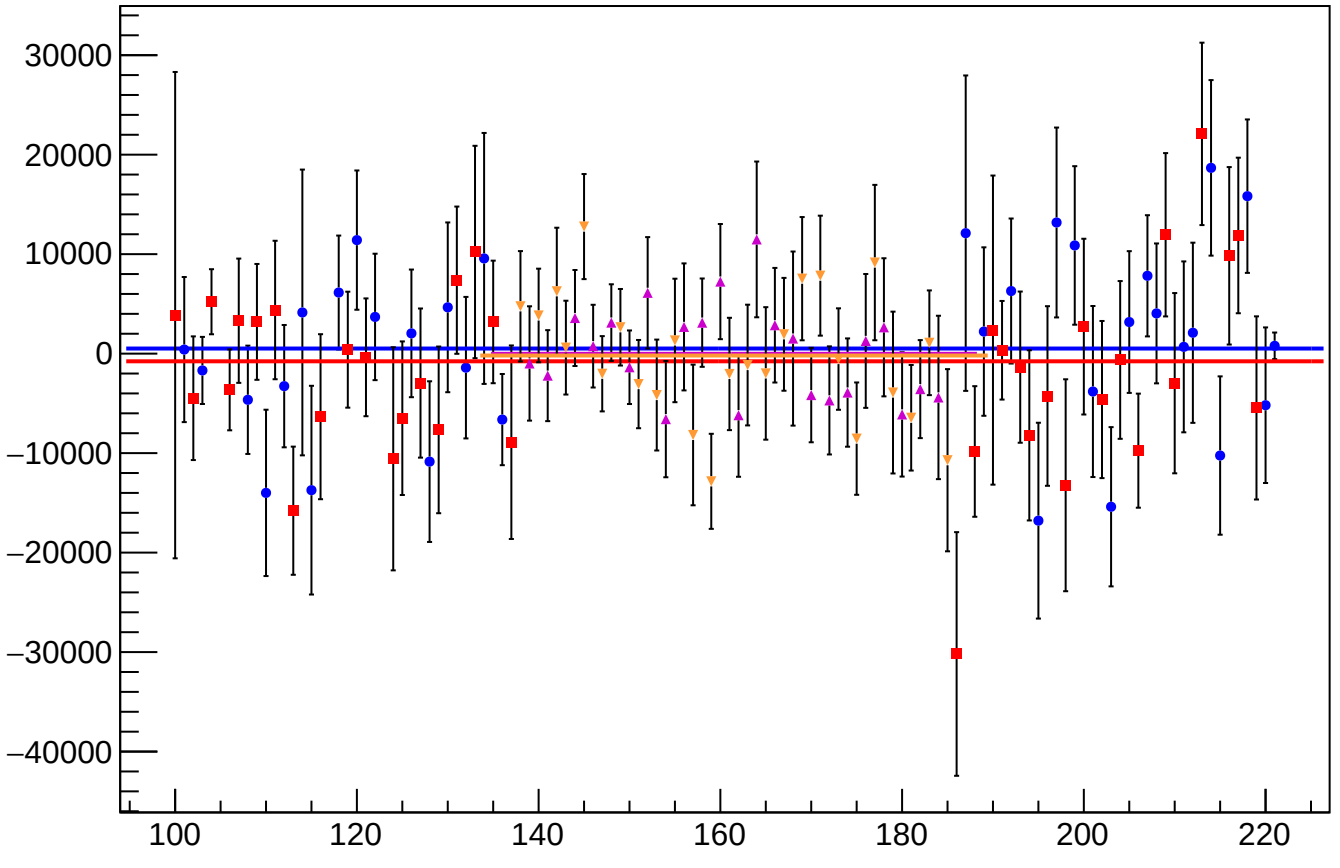
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1956.575+/-0.213 χ^2/NDF: 1174518.7/70

In: 1902.790+/-0.214 χ^2/NDF:840426.7/56

Out: 1900.328+/-0.212 χ^2/NDF:501749.5/61

All: 1901.544+/-0.151 χ^2/NDF: 1342243.0/11



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: -770.960+/-1149.917 χ^2/NDF: 42.9/36

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

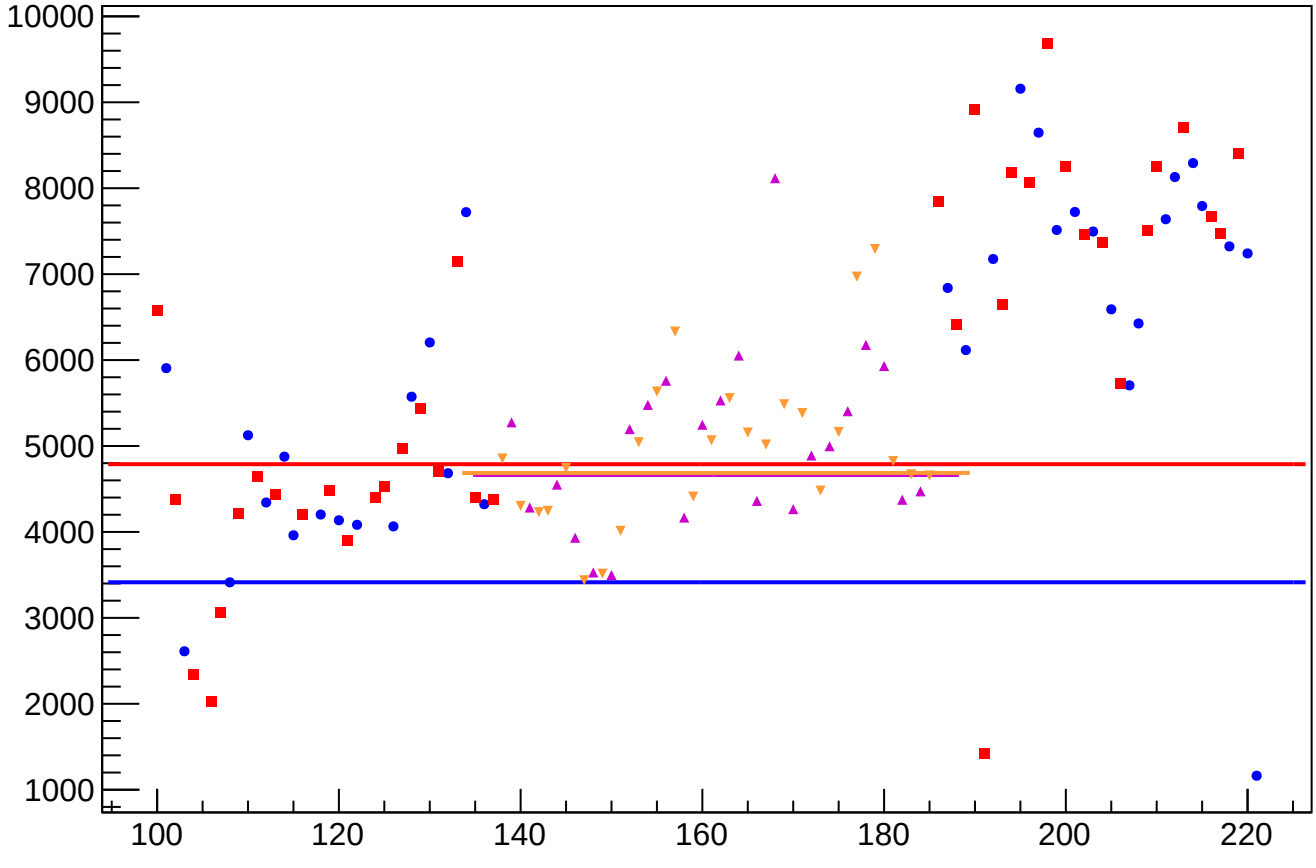
Right: 20.601+/-712.192 χ^2/NDF: 83.7/70

In: 300.499+/-703.048 χ^2/NDF:53.8/56

Out: -464.313+/-790.551 χ^2/NDF:72.0/61

All: -37.253+/-525.354 χ^2/NDF: 126.4/118

asym_atr_avg_eigen_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: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

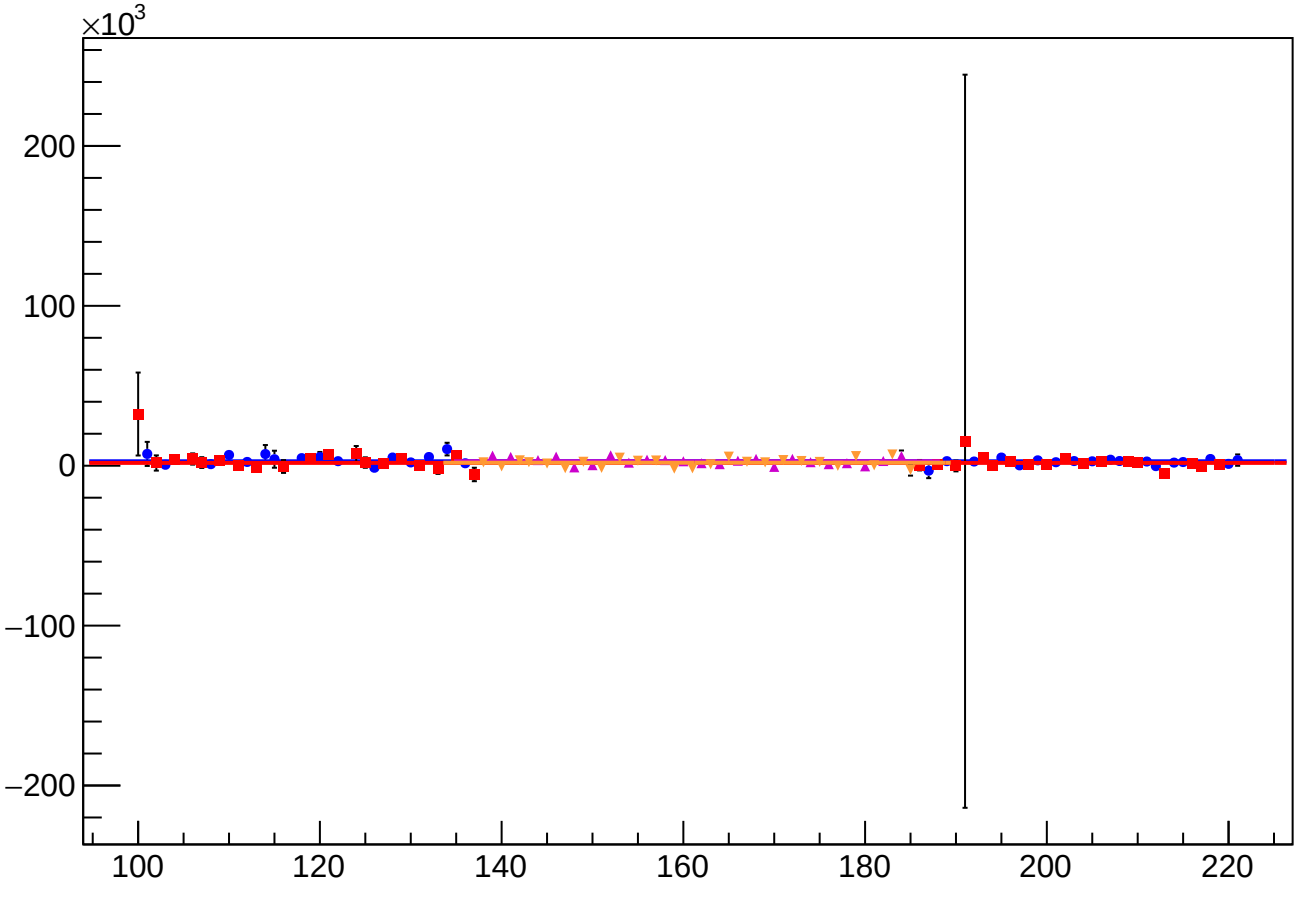
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 3941.360+/-0.504 χ^2/NDF: 24018470.7/70

In: 3913.051+/-0.497 χ^2/NDF:17761875.0/56

Out: 4734.522+/-0.559 χ^2/NDF:8490631.9/61

All: 4275.825+/-0.371 χ^2/NDF: 27458346.7/1



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: 1775.530+/-435.643 χ^2/NDF: 35.7/36

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

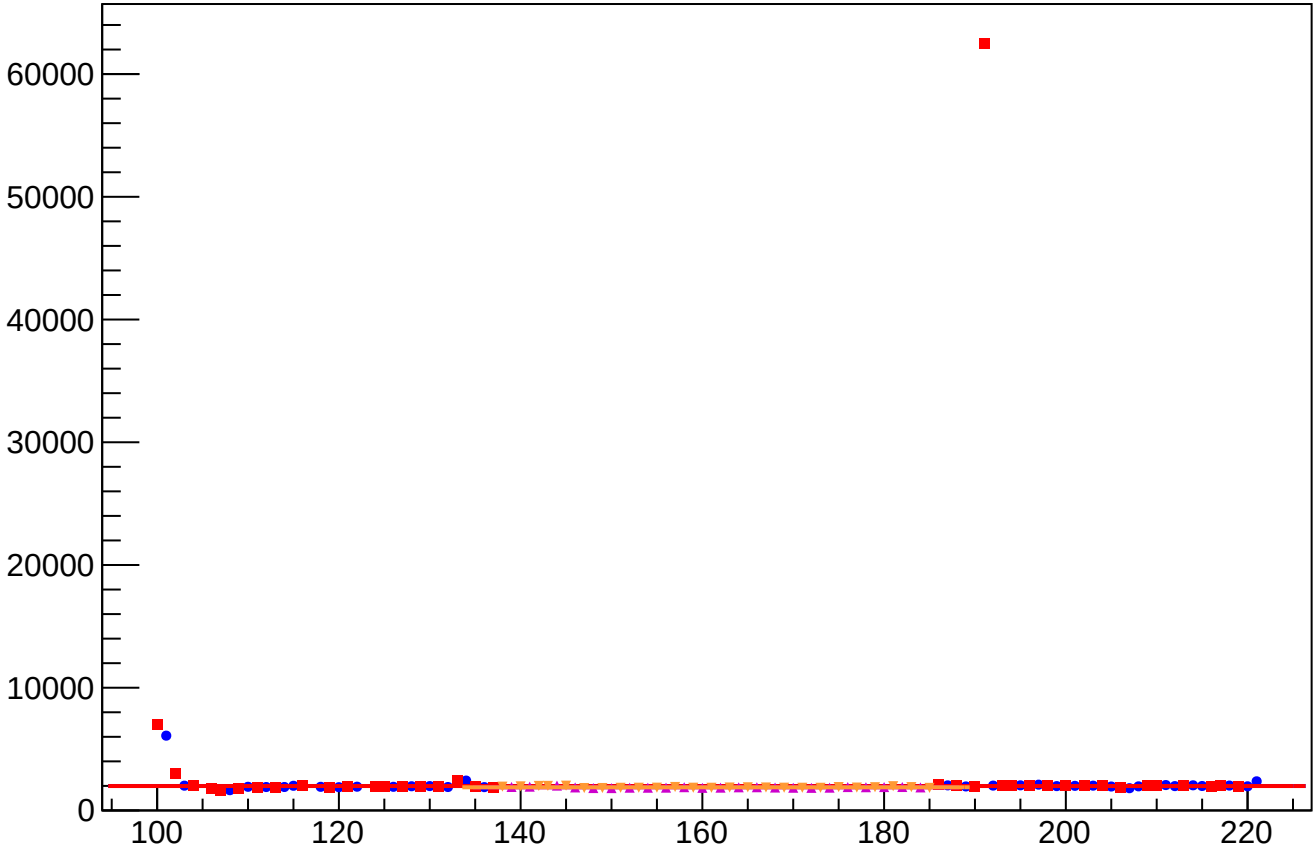
Right: 2277.664+/-307.247 χ^2/NDF: 58.5/70

In: 2786.370+/-308.500 χ^2/NDF:45.5/56

Out: 1829.041+/-305.663 χ^2/NDF:68.7/61

All: 2303.285+/-217.132 χ^2/NDF: 119.1/118

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: 1989.061+/-0.308 χ^2/NDF: 437218.2/36

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

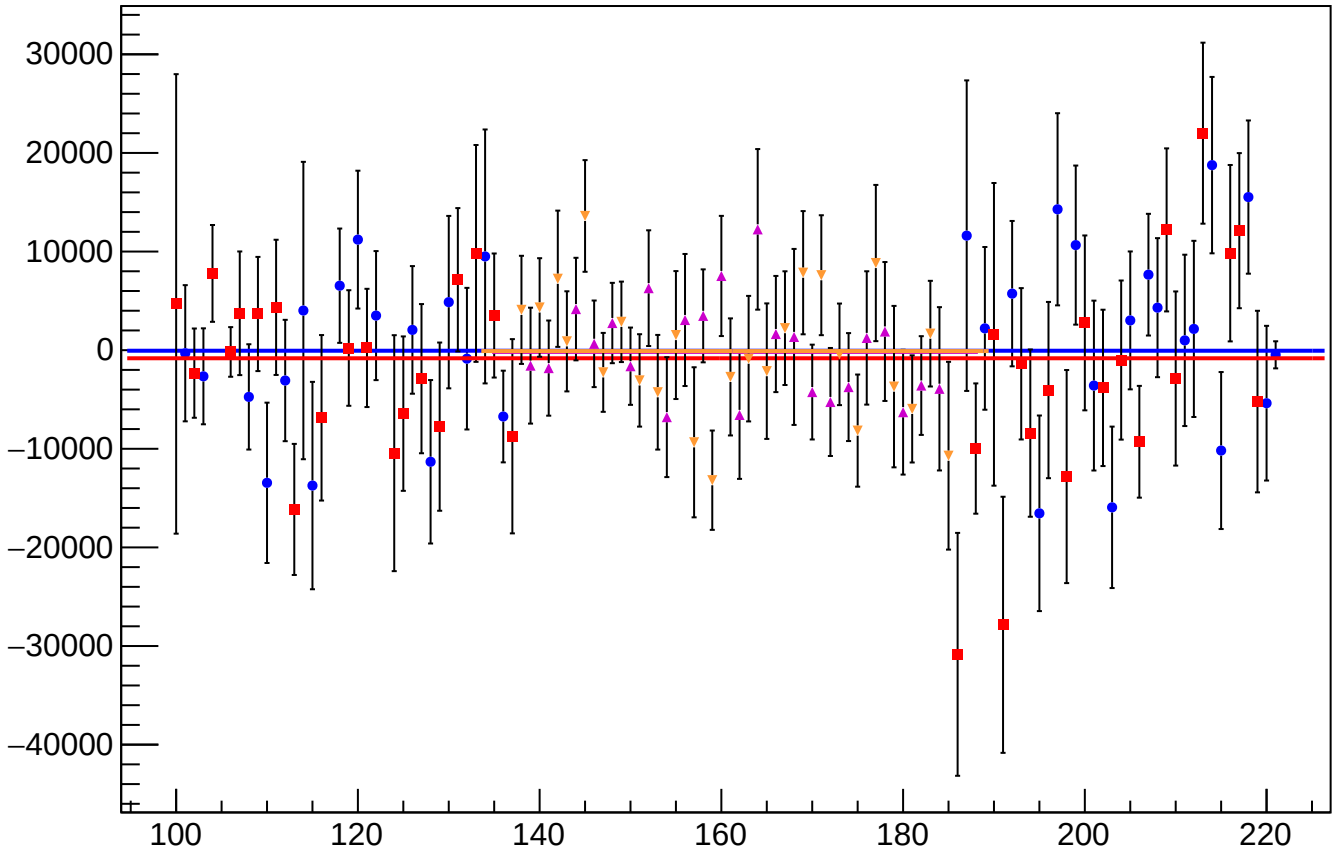
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1991.162+/-0.217 χ^2/NDF: 1156557.6/70

In: 1937.663+/-0.218 χ^2/NDF:804963.0/56

Out: 1937.537+/-0.216 χ^2/NDF:524328.8/61

All: 1937.599+/-0.154 χ^2/NDF: 1329292.0/11



Right In: -57.055+/-938.409 χ^2/NDF: 39.6/33

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -821.937+/-1129.113 χ^2/NDF: 46.1/36

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

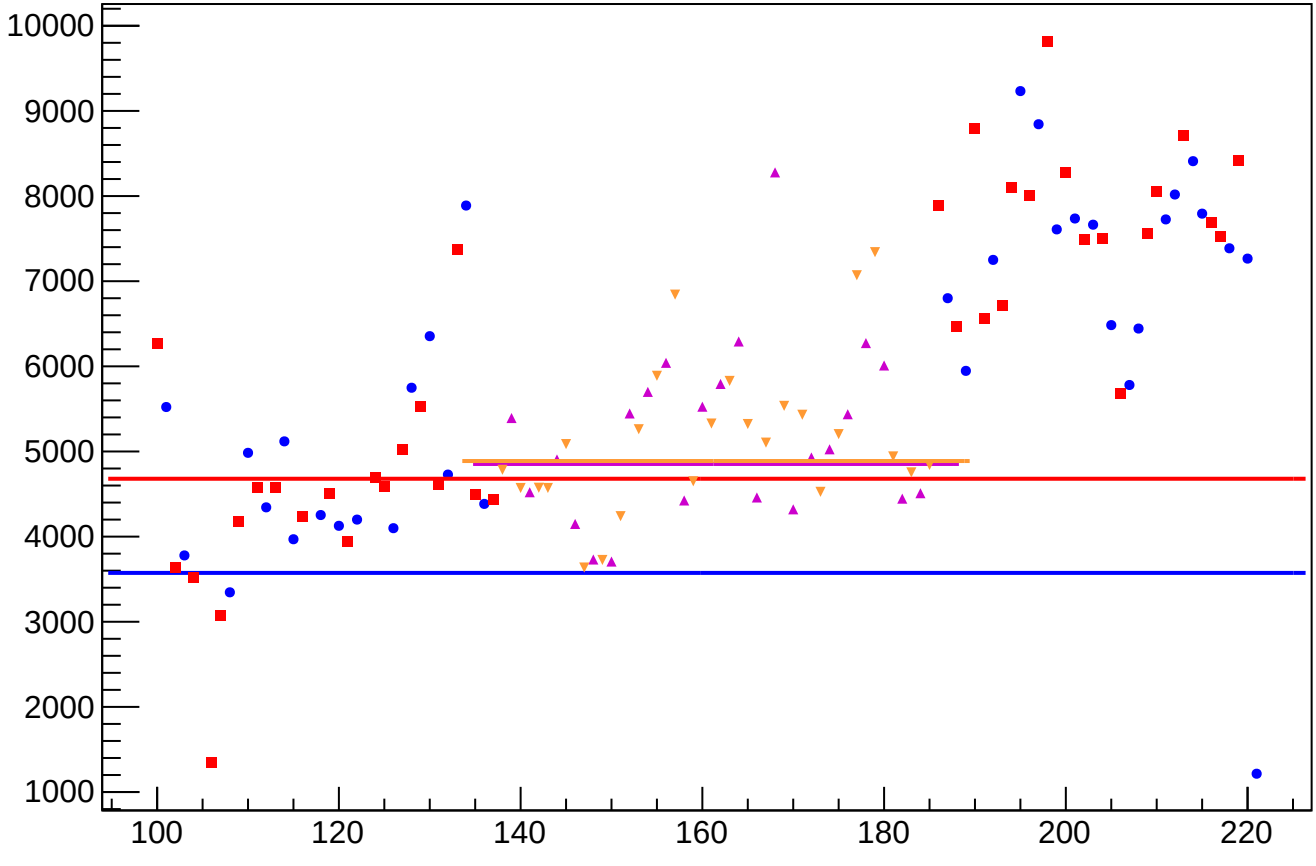
Right: -369.540+/-721.697 χ^2/NDF: 85.9/70

In: -104.751+/-728.587 χ^2/NDF:53.1/56

Out: -458.243+/-799.856 χ^2/NDF:74.4/61

All: -265.050+/-538.626 χ^2/NDF: 127.6/118

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



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: 4679.746+/-0.798 χ^2/NDF: 8356573.1/36

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

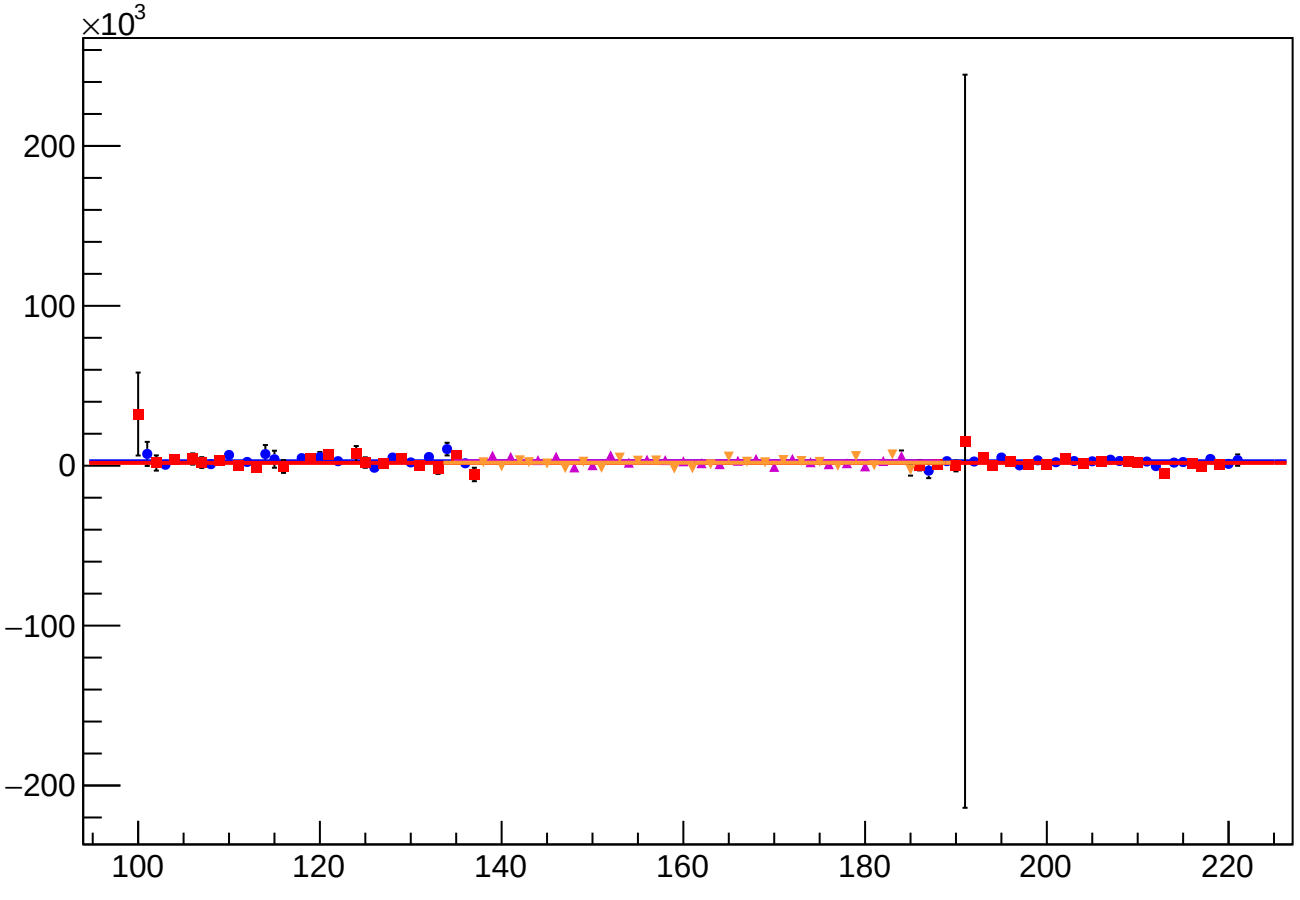
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4025.695+/-0.510 χ^2/NDF: 23827832.9/70

In: 4082.107+/-0.515 χ^2/NDF:16991956.6/56

Out: 4783.405+/-0.566 χ^2/NDF:9453708.3/61

All: 4400.126+/-0.381 χ^2/NDF: 27285945.3/1



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: 1775.531+/-435.643 χ^2/NDF: 35.7/36

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

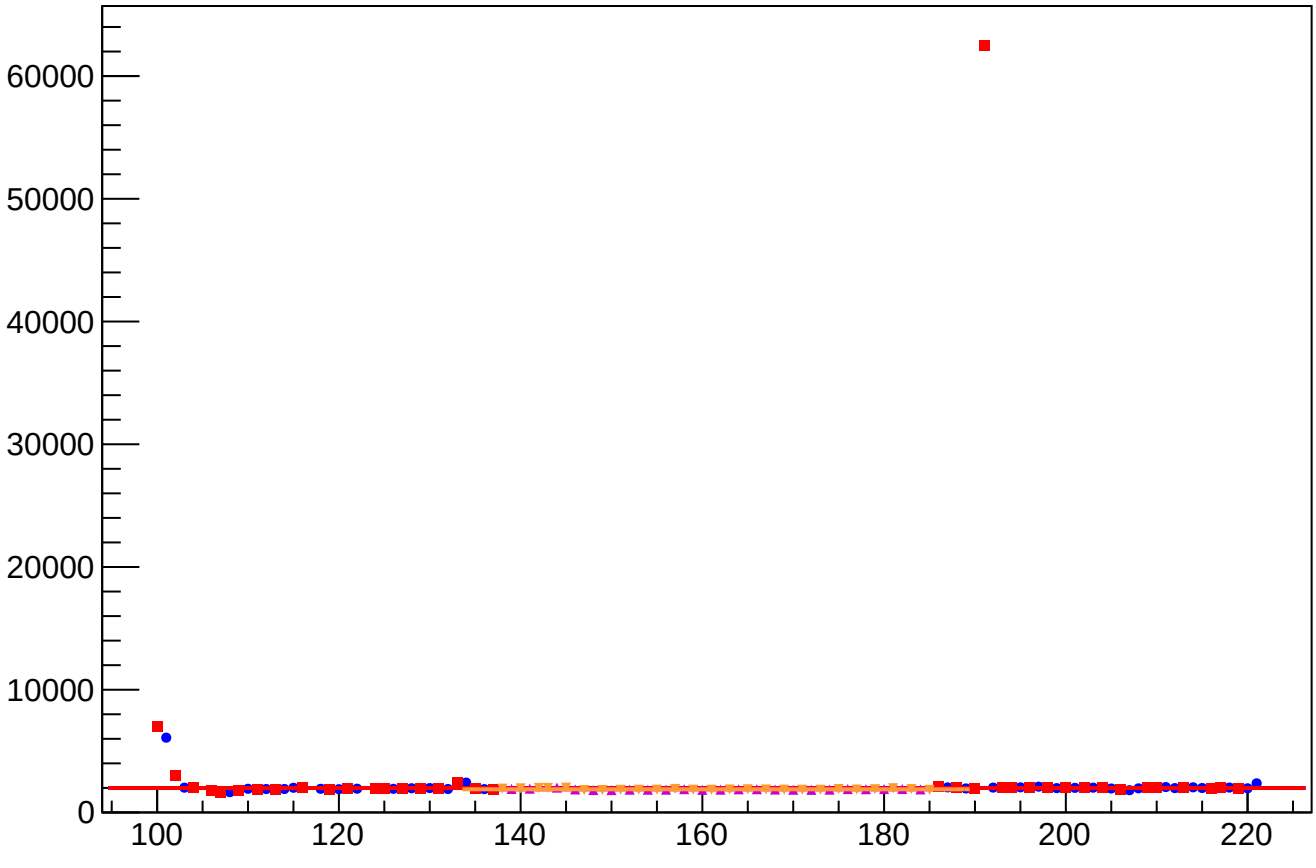
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2277.662+/-307.247 χ^2/NDF: 58.5/70

In: 2786.368+/-308.500 χ^2/NDF:45.5/56

Out: 1829.038+/-305.663 χ^2/NDF:68.7/61

All: 2303.282+/-217.132 χ^2/NDF: 119.1/118



Right In: 1993.243+/-0.306 χ^2/NDF: 719247.0/33

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1989.061+/-0.308 χ^2/NDF: 437217.7/36

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

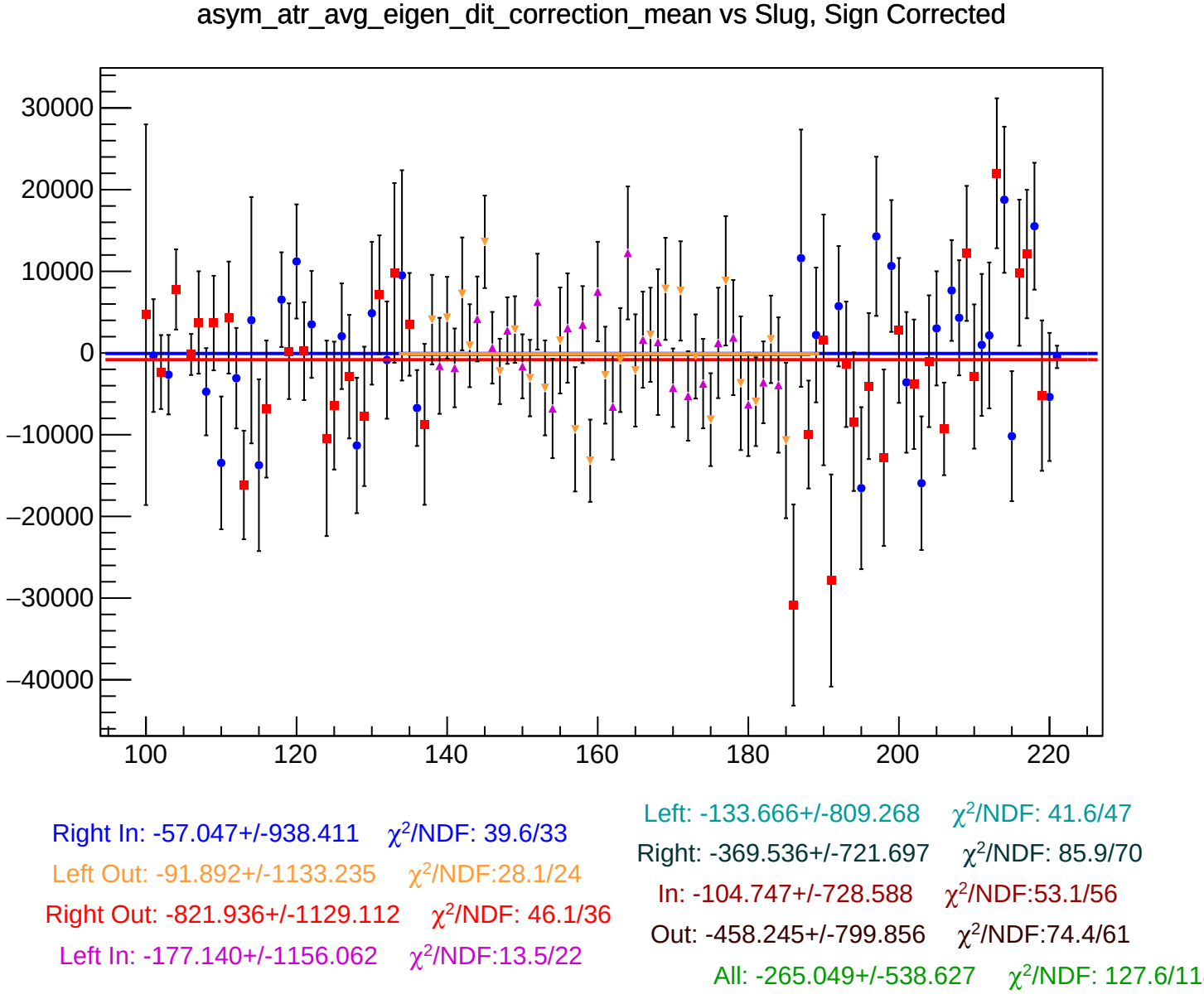
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

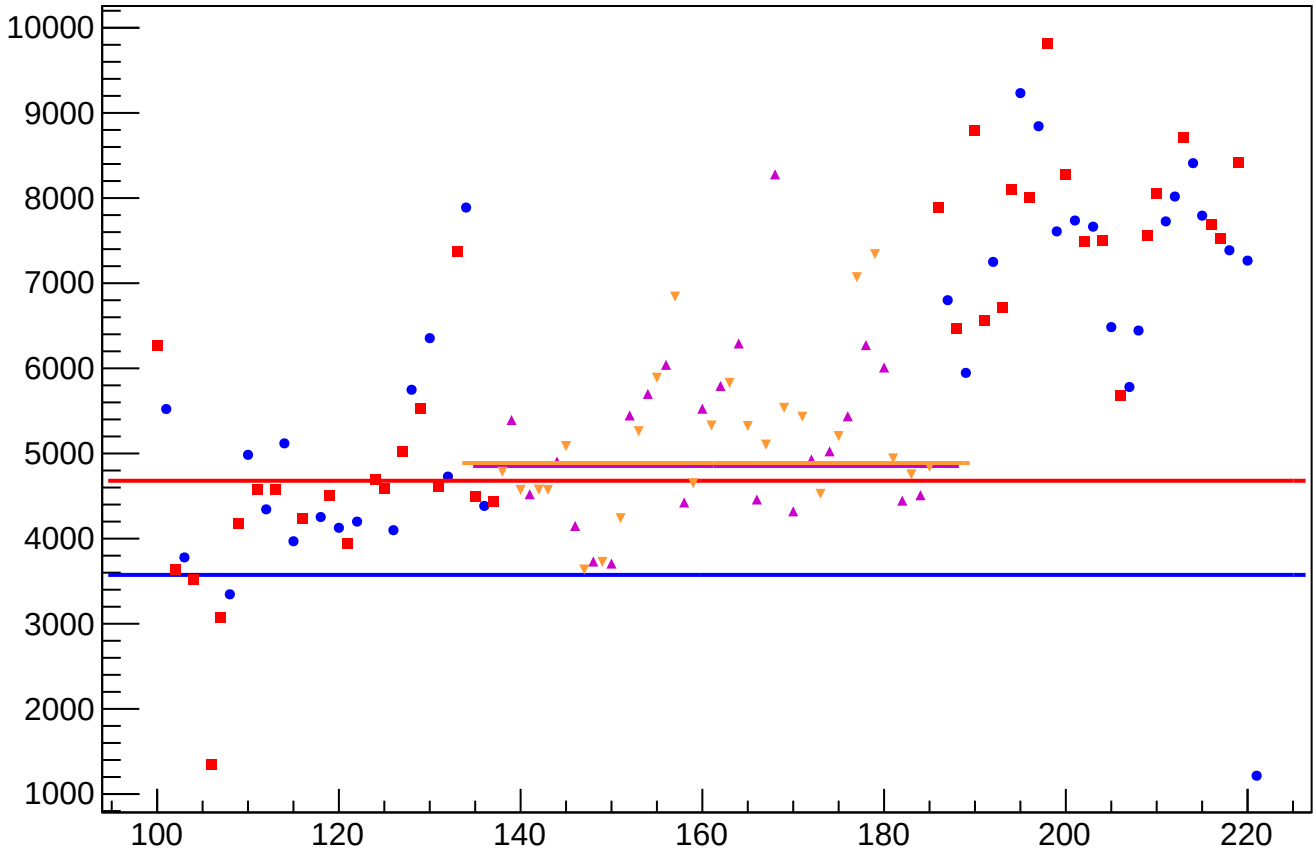
Right: 1991.162+/-0.217 χ^2/NDF: 1156557.4/70

In: 1937.664+/-0.218 χ^2/NDF:804962.2/56

Out: 1937.537+/-0.216 χ^2/NDF:524327.6/61

All: 1937.600+/-0.154 χ^2/NDF: 1329289.9/11


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: -821.936+/-1129.112 χ²/NDF: 46.1/36
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -369.536+/-721.697 χ²/NDF: 85.9/70
In: -104.747+/-728.588 χ²/NDF:53.1/56
Out: -458.245+/-799.856 χ²/NDF:74.4/61
All: -265.049+/-538.627 χ²/NDF: 127.6/118



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: 4679.737+/-0.798 χ^2/NDF: 8356623.4/36

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

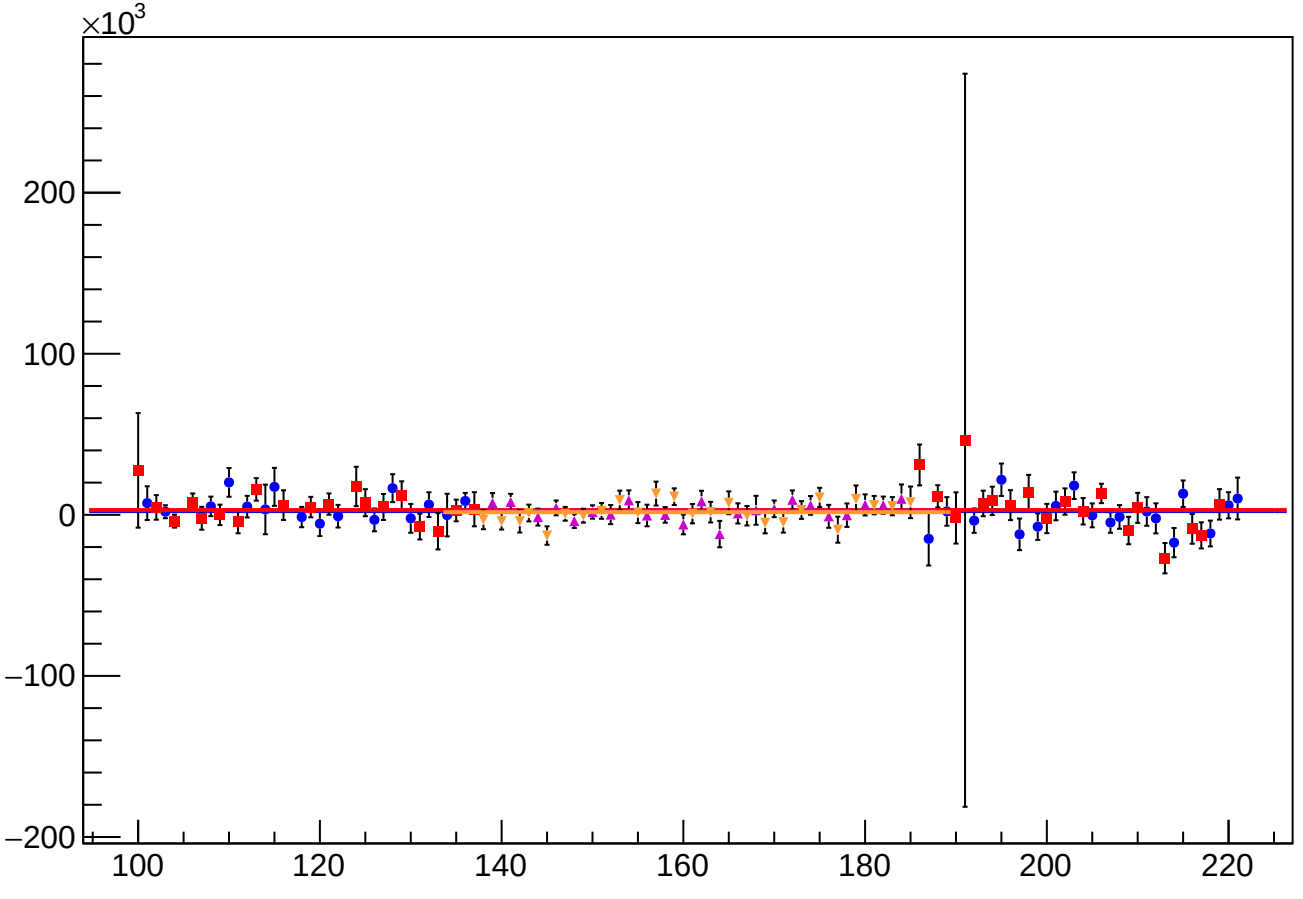
Right: 4025.698+/-0.510 χ^2/NDF: 23827791.5/70

In: 4082.115+/-0.515 χ^2/NDF:16991895.5/56

Out: 4783.405+/-0.566 χ^2/NDF:9453765.4/61

All: 4400.131+/-0.381 χ^2/NDF: 27285919.2/1

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: 2958.076+/-1310.830 χ^2/NDF: 45.3/36

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

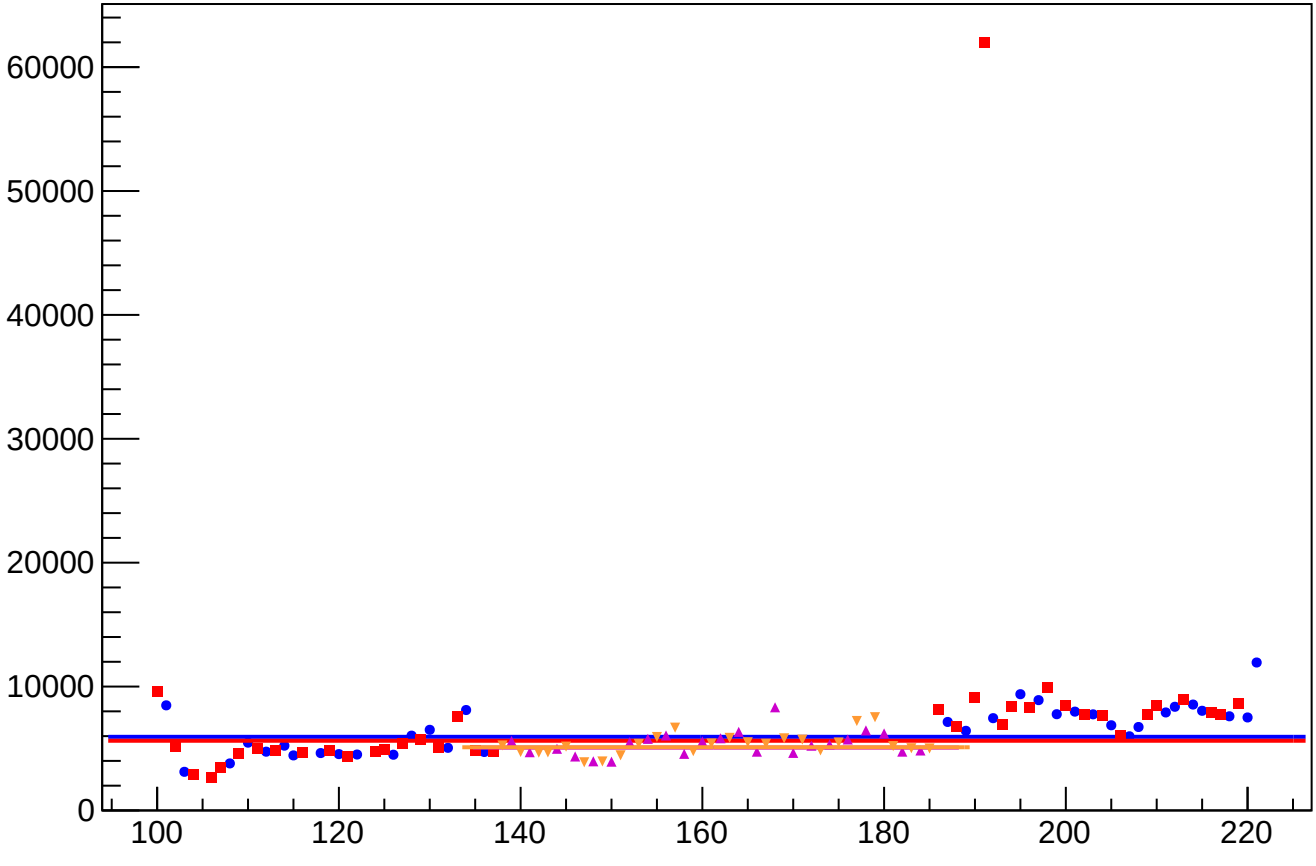
Right: 2649.876+/-935.831 χ^2/NDF: 83.2/70

In: 2458.683+/-894.719 χ^2/NDF:53.7/56

Out: 2237.333+/-876.449 χ^2/NDF:71.8/61

All: 2345.725+/-626.103 χ^2/NDF: 125.6/118

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: 5626.331+/-0.922 χ^2/NDF: 4757896.0/36

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

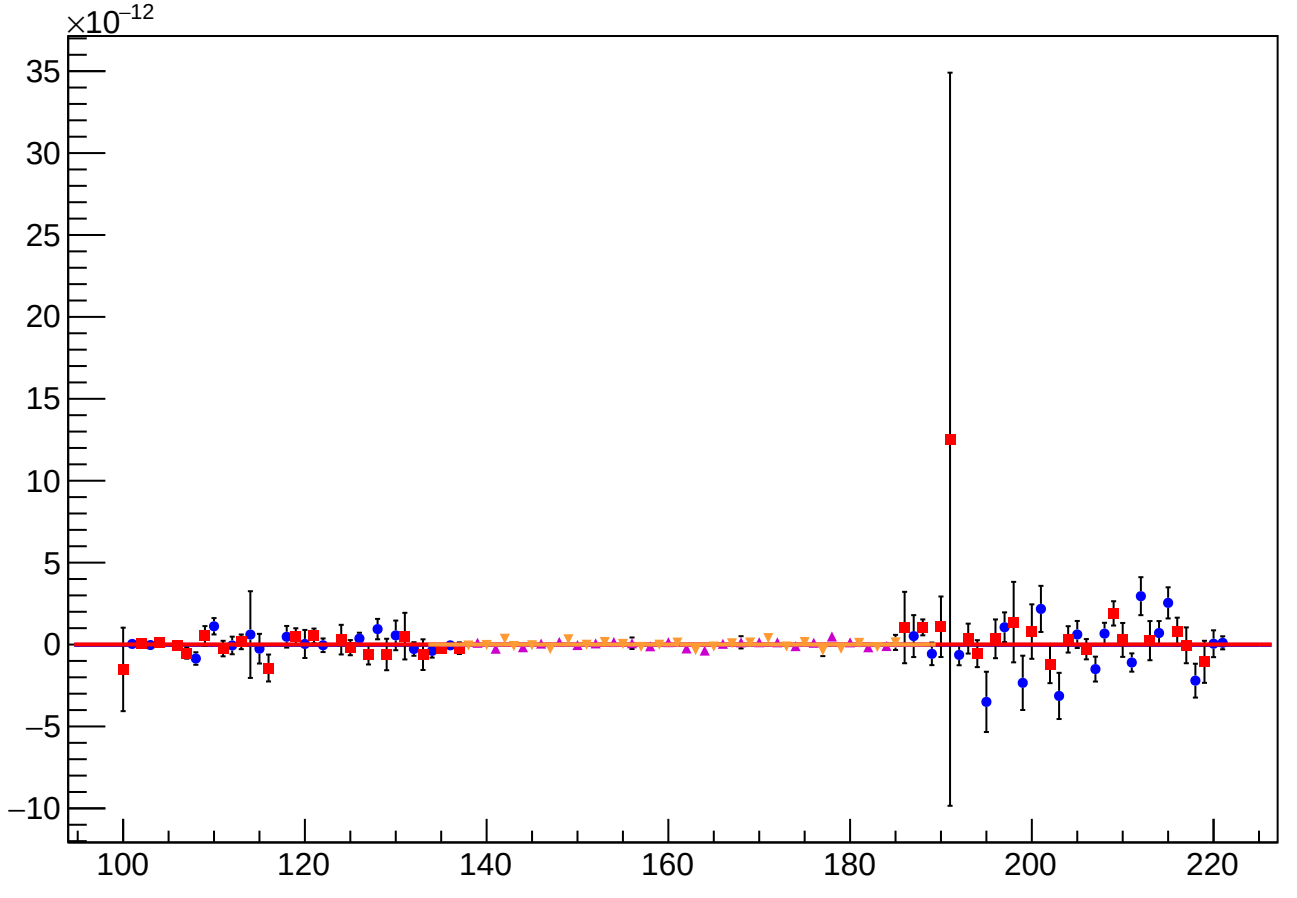
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5781.247+/-0.660 χ^2/NDF: 8783204.8/70

In: 5463.675+/-0.633 χ^2/NDF:5427511.8/56

Out: 5337.047+/-0.618 χ^2/NDF:5846141.6/61

All: 5398.903+/-0.442 χ^2/NDF: 11294144.8/1



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: 31.7/36

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

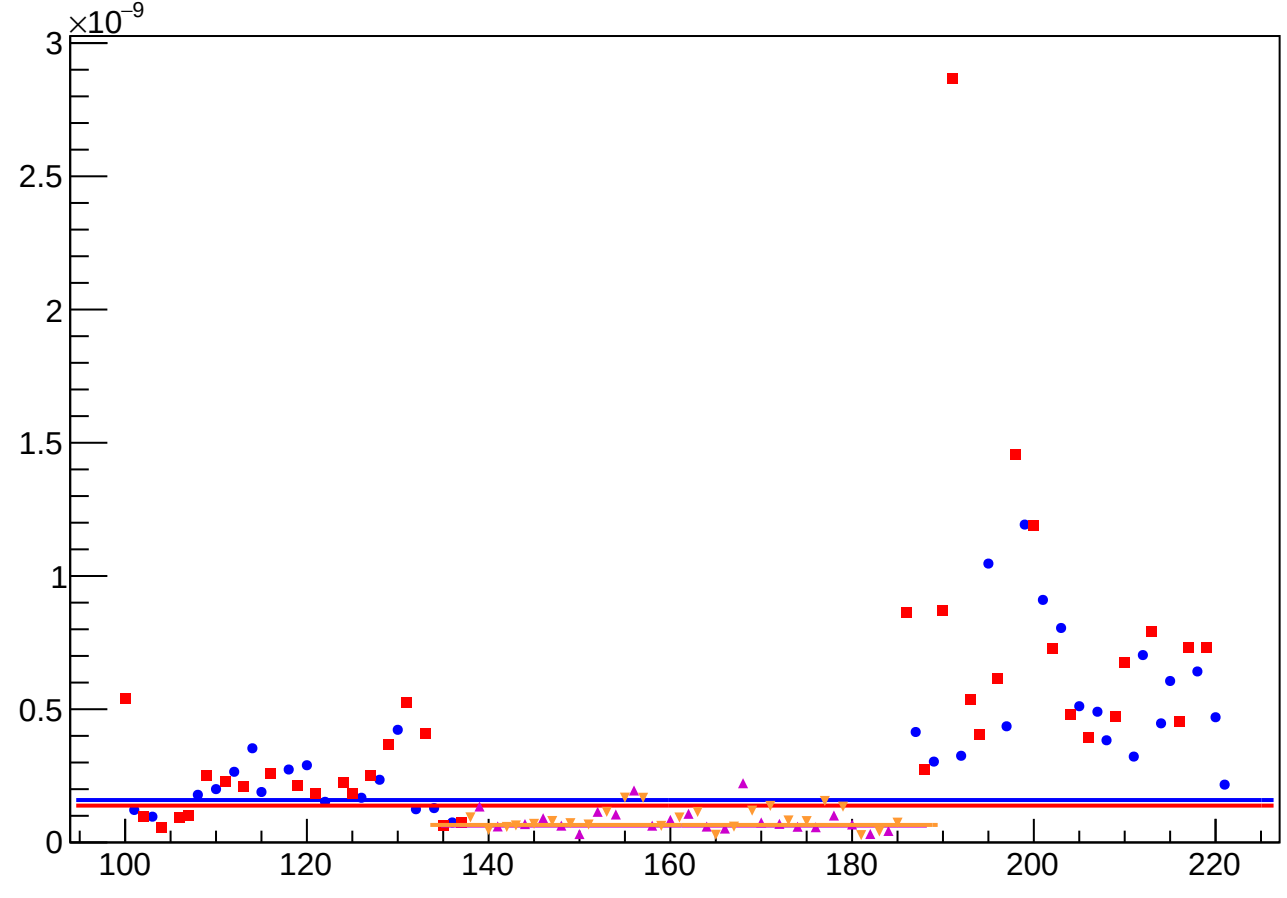
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 92.3/70

In: -0.000+/-0.000 χ^2/NDF:92.9/56

Out: 0.000+/-0.000 χ^2/NDF:65.0/61

All: -0.000+/-0.000 χ^2/NDF: 158.3/118



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: 9474594.5/36

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

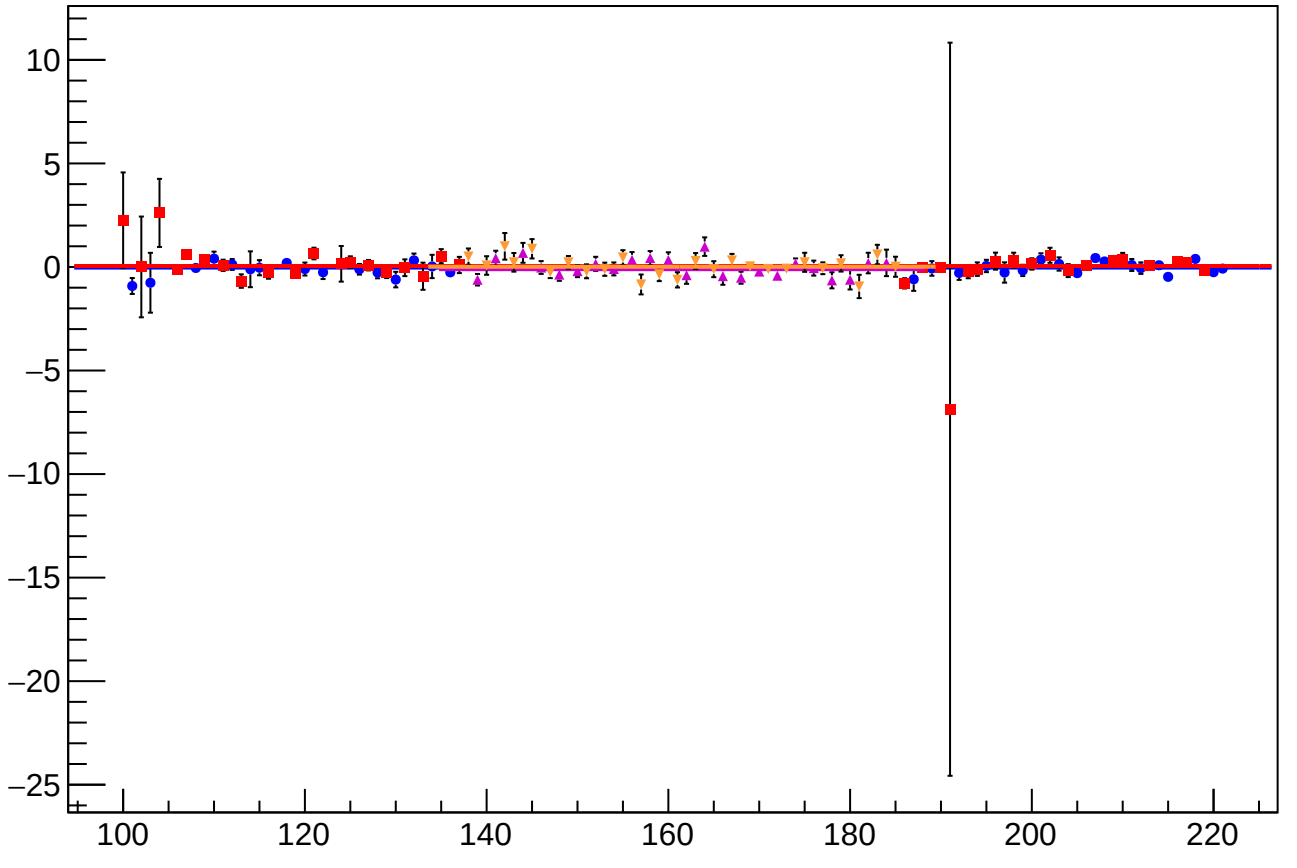
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 17119276.0/70

In: 0.000+/-0.000 χ^2/NDF:13023331.5/56

Out: 0.000+/-0.000 χ^2/NDF:13847932.4/61

All: 0.000+/-0.000 χ^2/NDF: 26871502.7/118



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: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

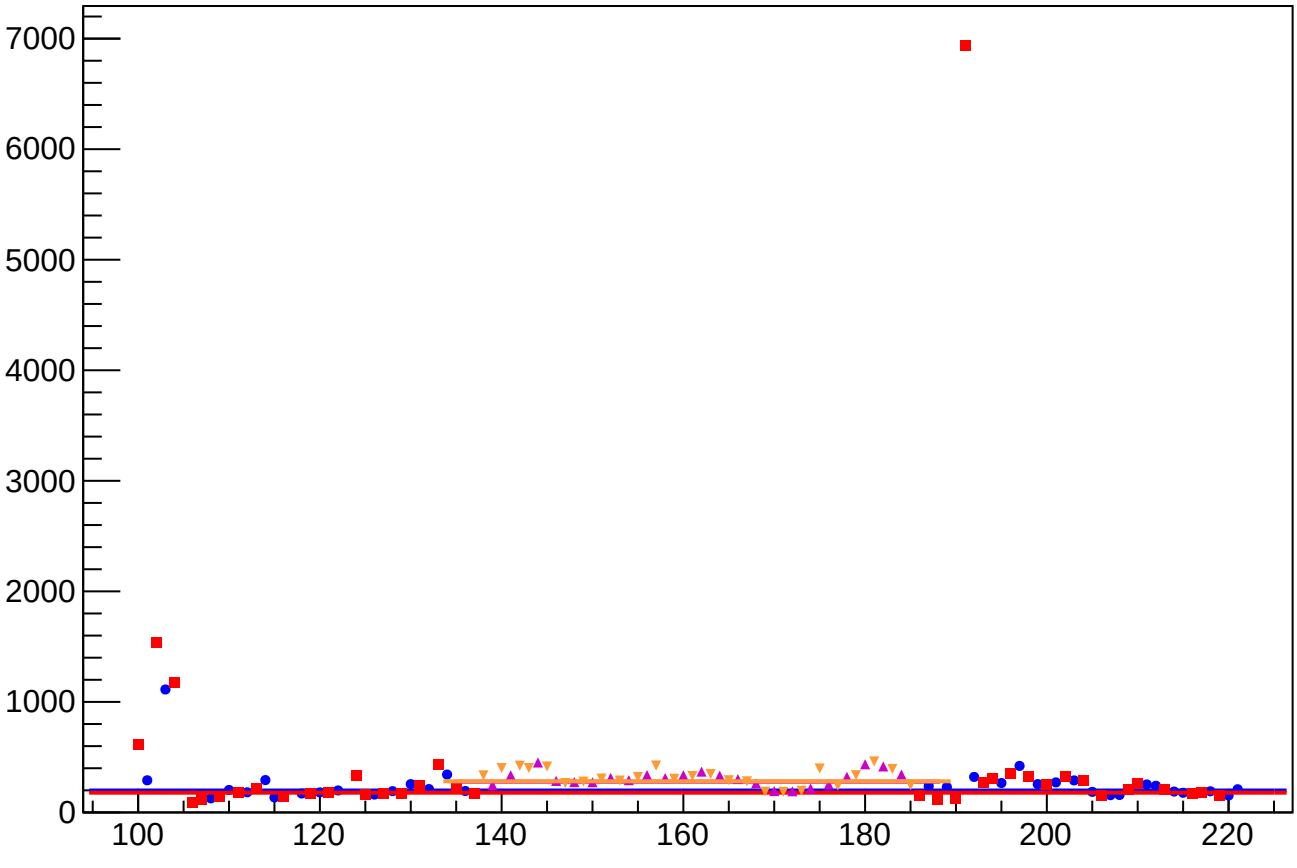
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.012+/-0.031 χ^2/NDF: 95.0/70

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: -0.006+/-0.026 χ^2/NDF: 154.1/118



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: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

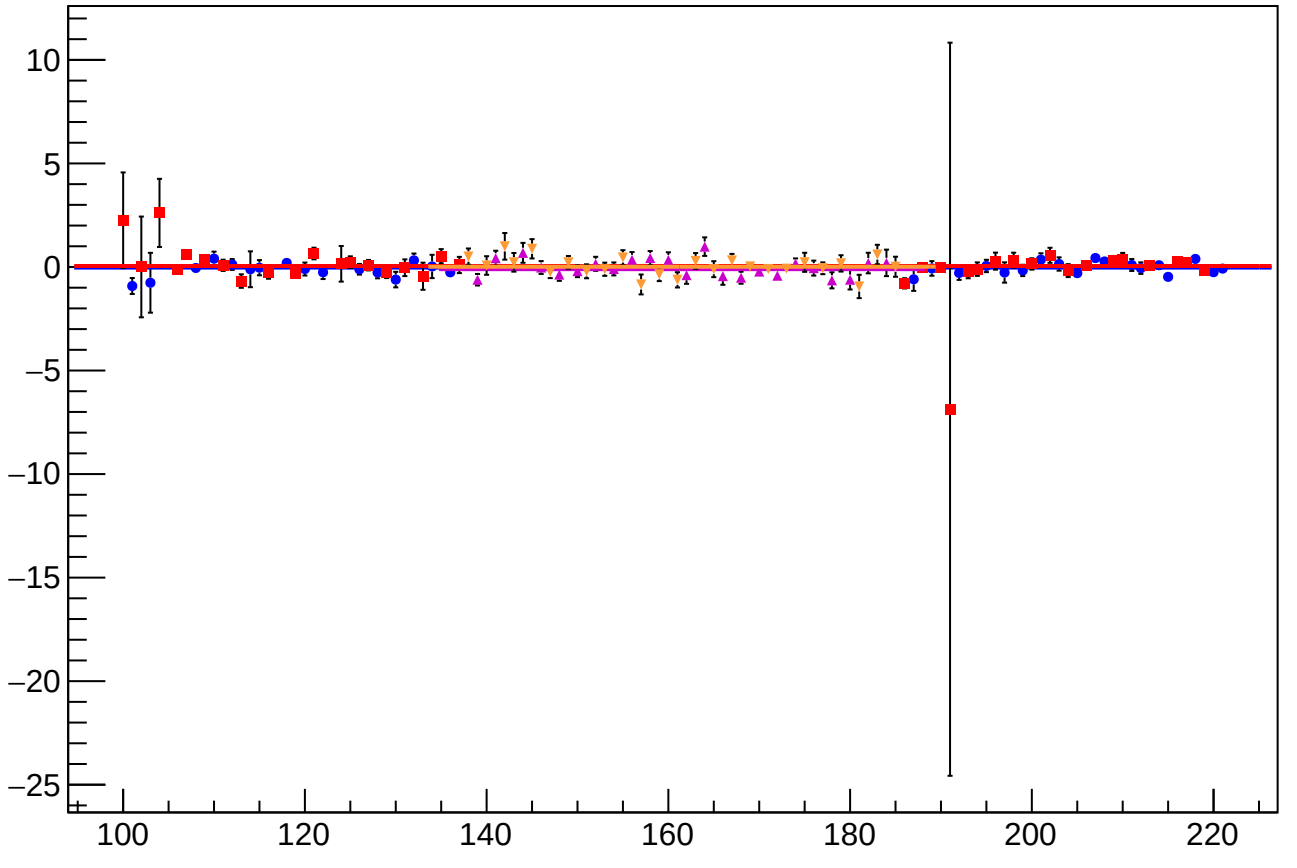
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 188.073+/-0.022 χ^2/NDF: 9112441.4/70

In: 223.055+/-0.027 χ^2/NDF:6876291.7/56

Out: 208.507+/-0.026 χ^2/NDF:11506206.8/61

All: 215.490+/-0.019 χ^2/NDF: 18534504.8/11



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: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

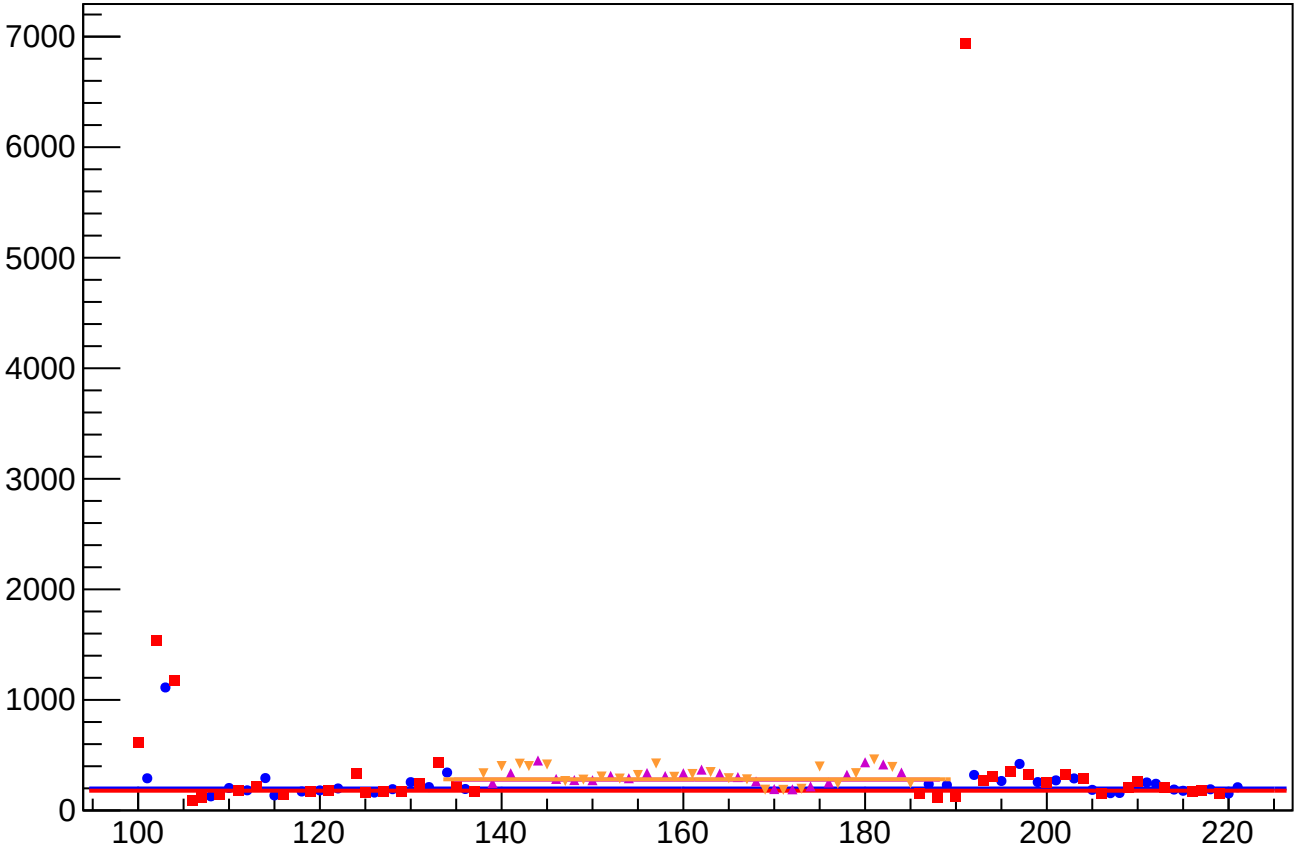
Right: 0.012+/-0.031 χ^2/NDF: 95.0/70

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: -0.006+/-0.026 χ^2/NDF: 154.1/118

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: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

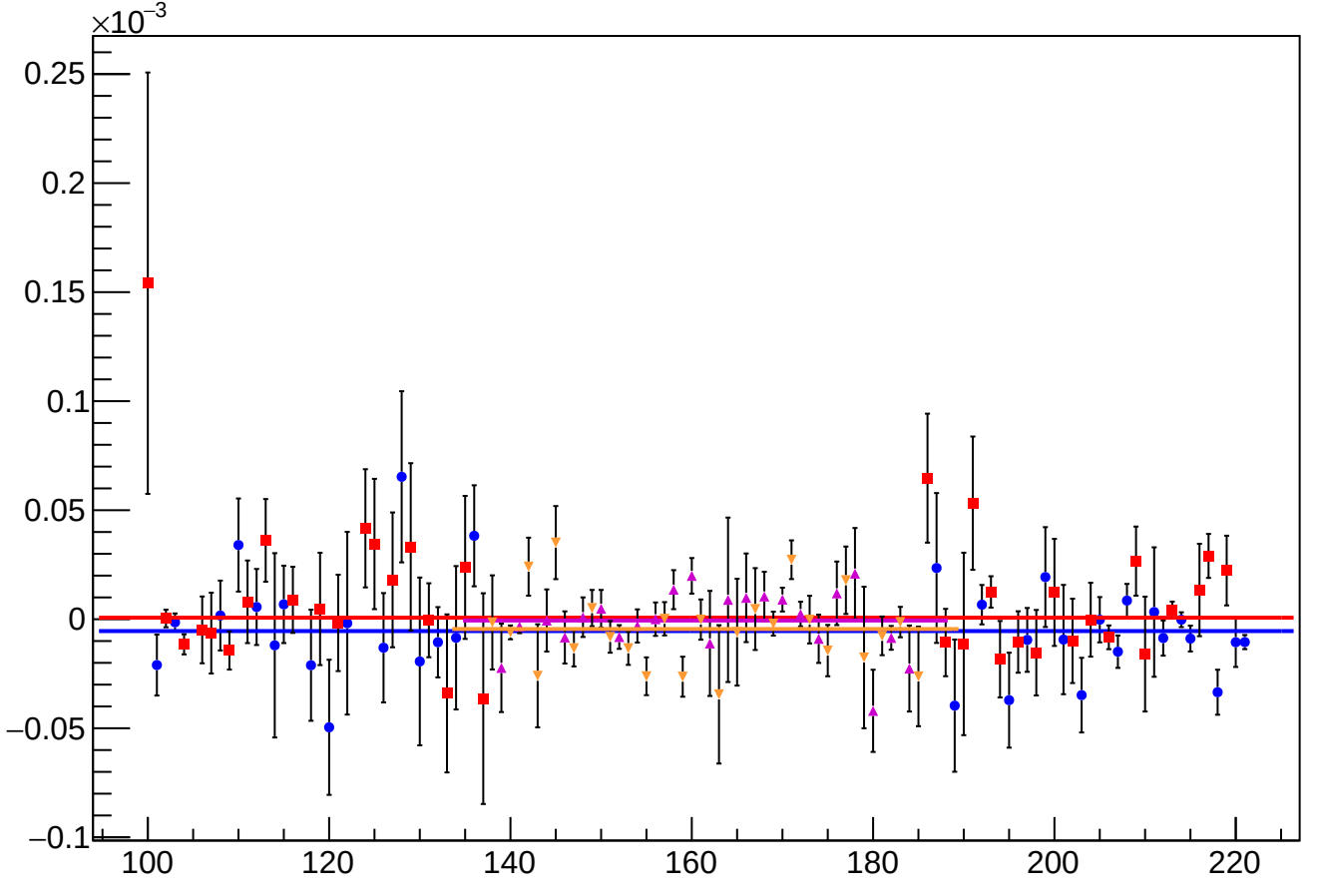
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 188.073+/-0.022 χ^2/NDF: 9112441.4/70

In: 223.055+/-0.027 χ^2/NDF:6876291.7/56

Out: 208.507+/-0.026 χ^2/NDF:11506206.8/61

All: 215.490+/-0.019 χ^2/NDF: 18534504.8/11



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: 54.1/36

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

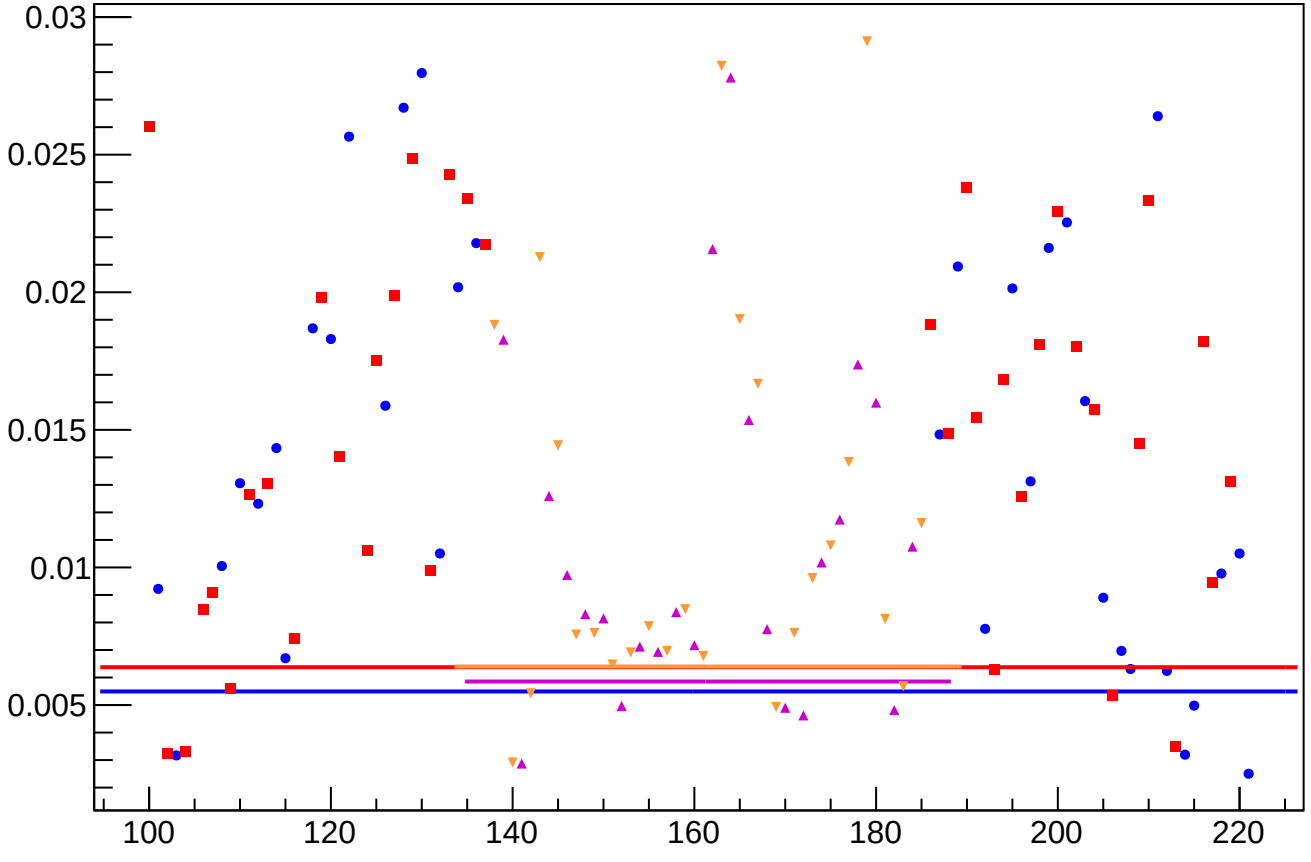
Right: -0.000+/-0.000 χ^2/NDF: 105.4/70

In: -0.000+/-0.000 χ^2/NDF:78.2/56

Out: -0.000+/-0.000 χ^2/NDF:104.9/61

All: -0.000+/-0.000 χ^2/NDF: 183.6/118

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: 0.006+/-0.000 χ^2/NDF: 15335328.1/36

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

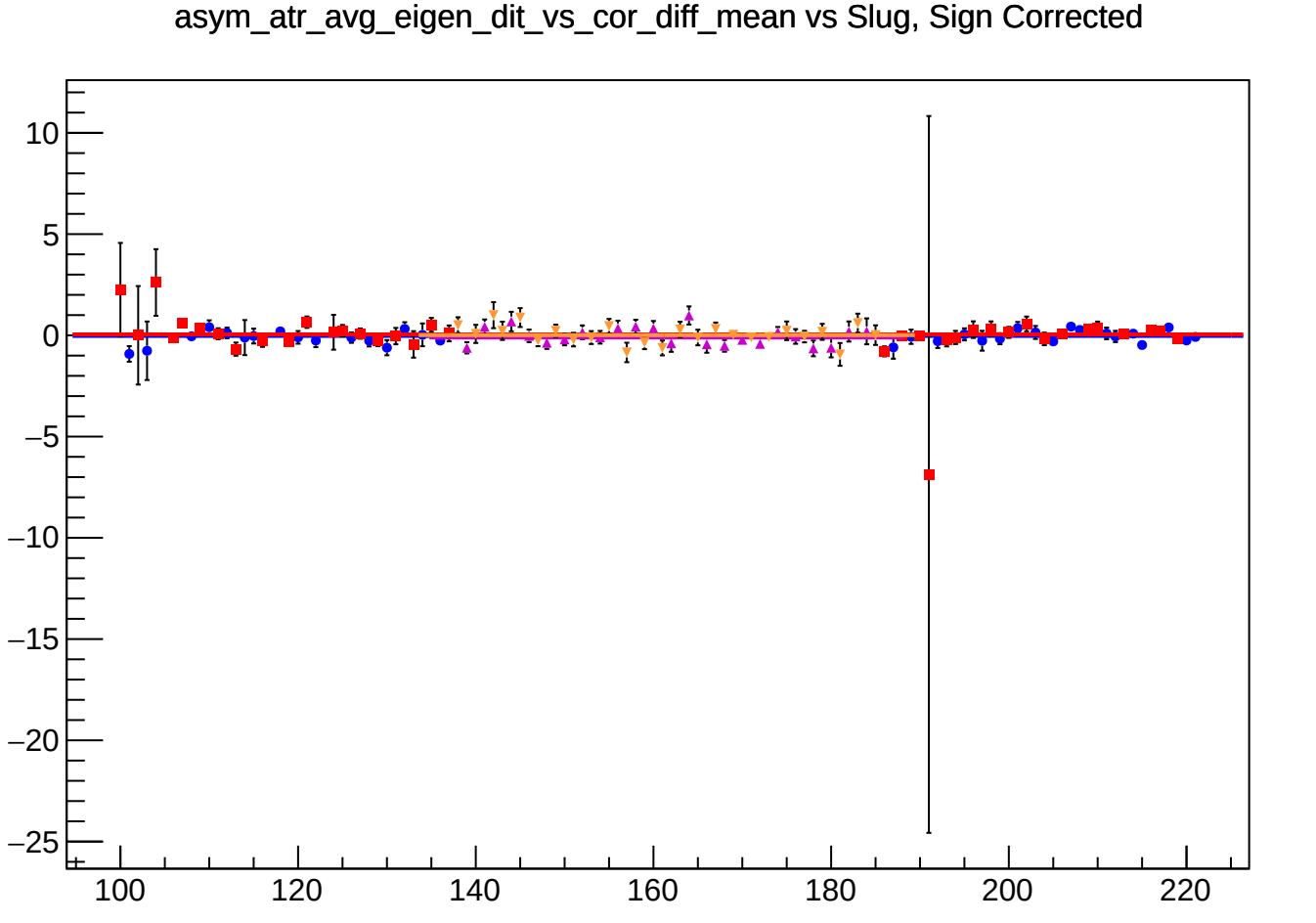
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.006+/-0.000 χ^2/NDF: 31366956.9/70

In: 0.006+/-0.000 χ^2/NDF:23947180.1/56

Out: 0.006+/-0.000 χ^2/NDF:24299804.2/61

All: 0.006+/-0.000 χ^2/NDF: 48619941.9/118



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: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

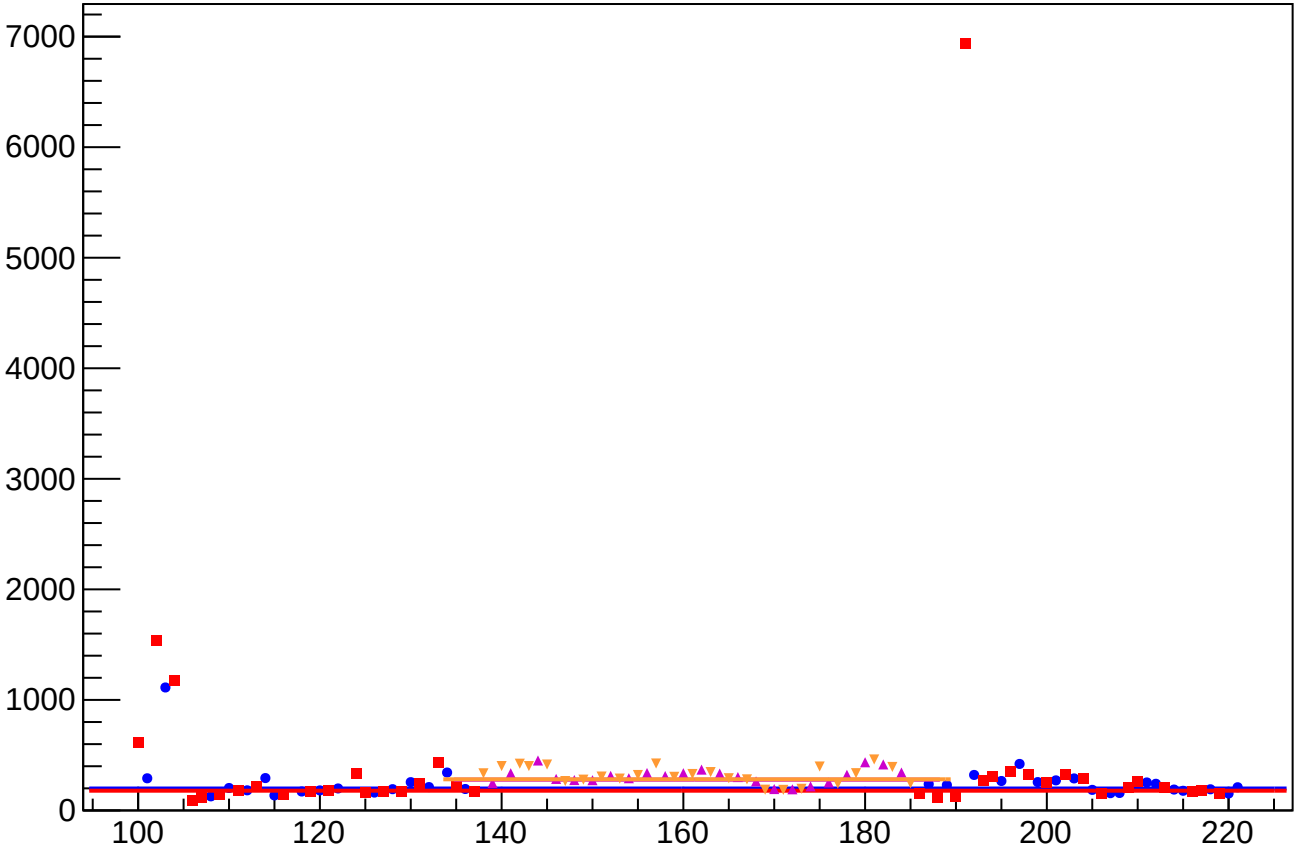
Right: 0.012+/-0.031 χ^2/NDF: 95.0/70

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: -0.006+/-0.026 χ^2/NDF: 154.1/118

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: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

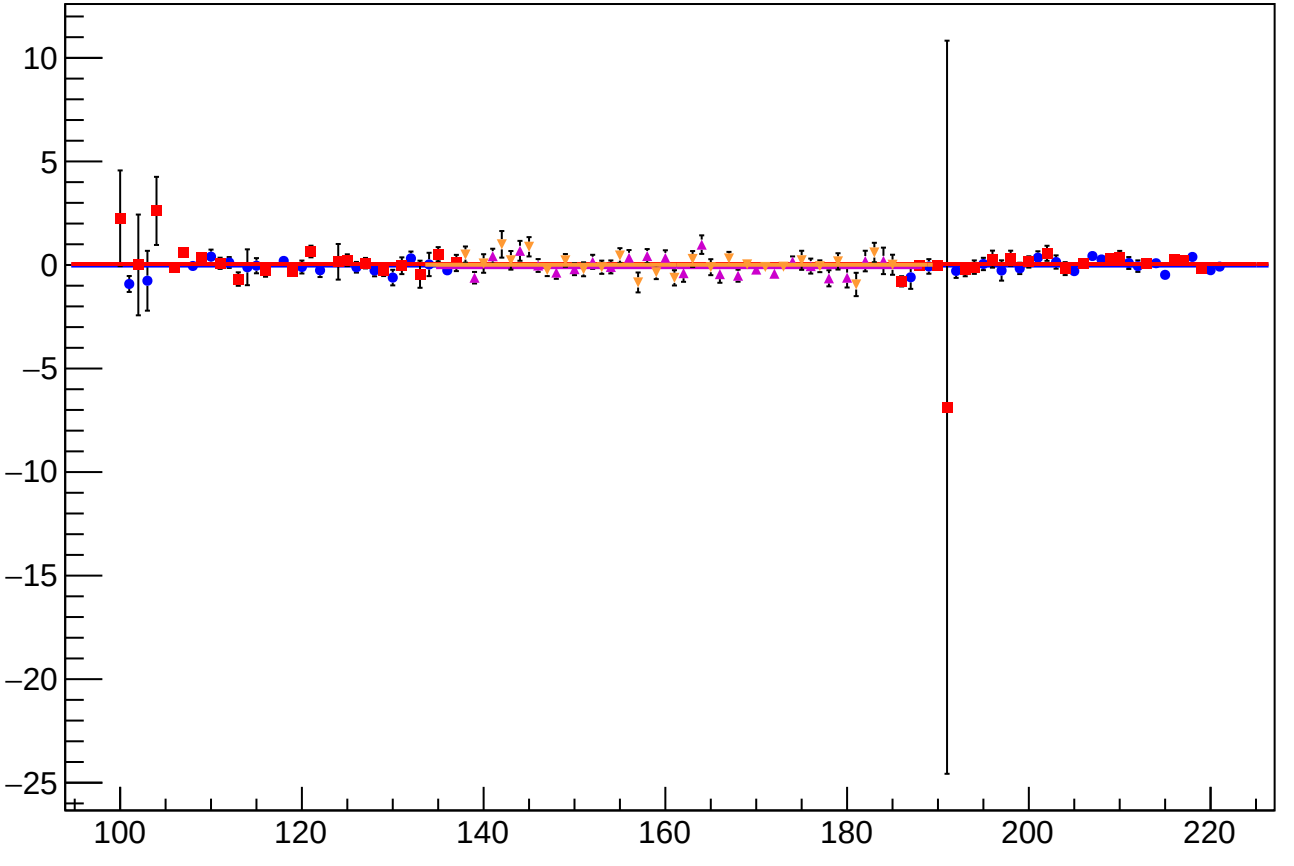
Right: 188.071+/-0.022 χ^2/NDF: 9112660.6/70

In: 223.055+/-0.027 χ^2/NDF:6876454.3/56

Out: 208.505+/-0.026 χ^2/NDF:11506715.1/61

All: 215.489+/-0.019 χ^2/NDF: 18535223.0/11

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: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

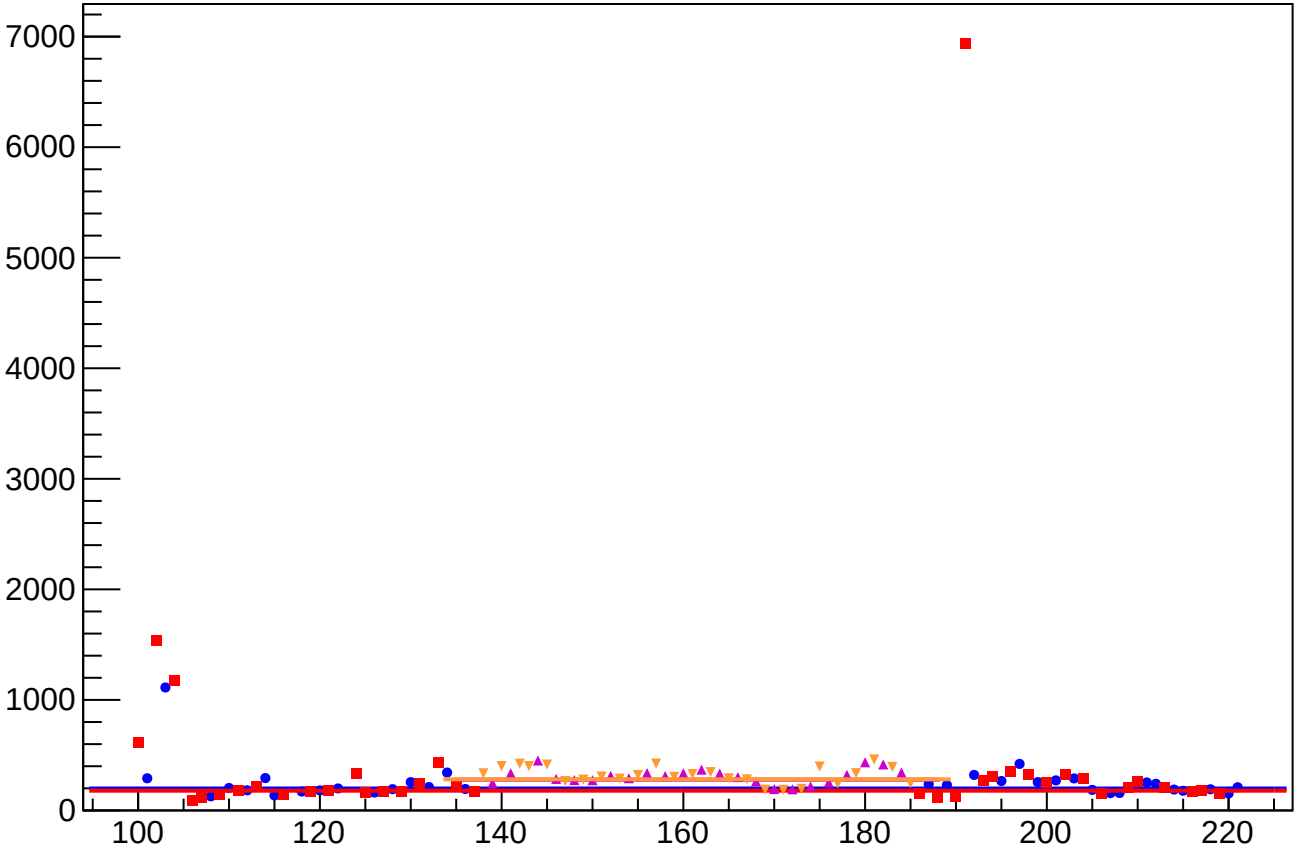
Right: 0.012+/-0.031 χ^2/NDF: 95.0/70

In: -0.052+/-0.038 χ^2/NDF:74.2/56

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: -0.006+/-0.026 χ^2/NDF: 154.1/118

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: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

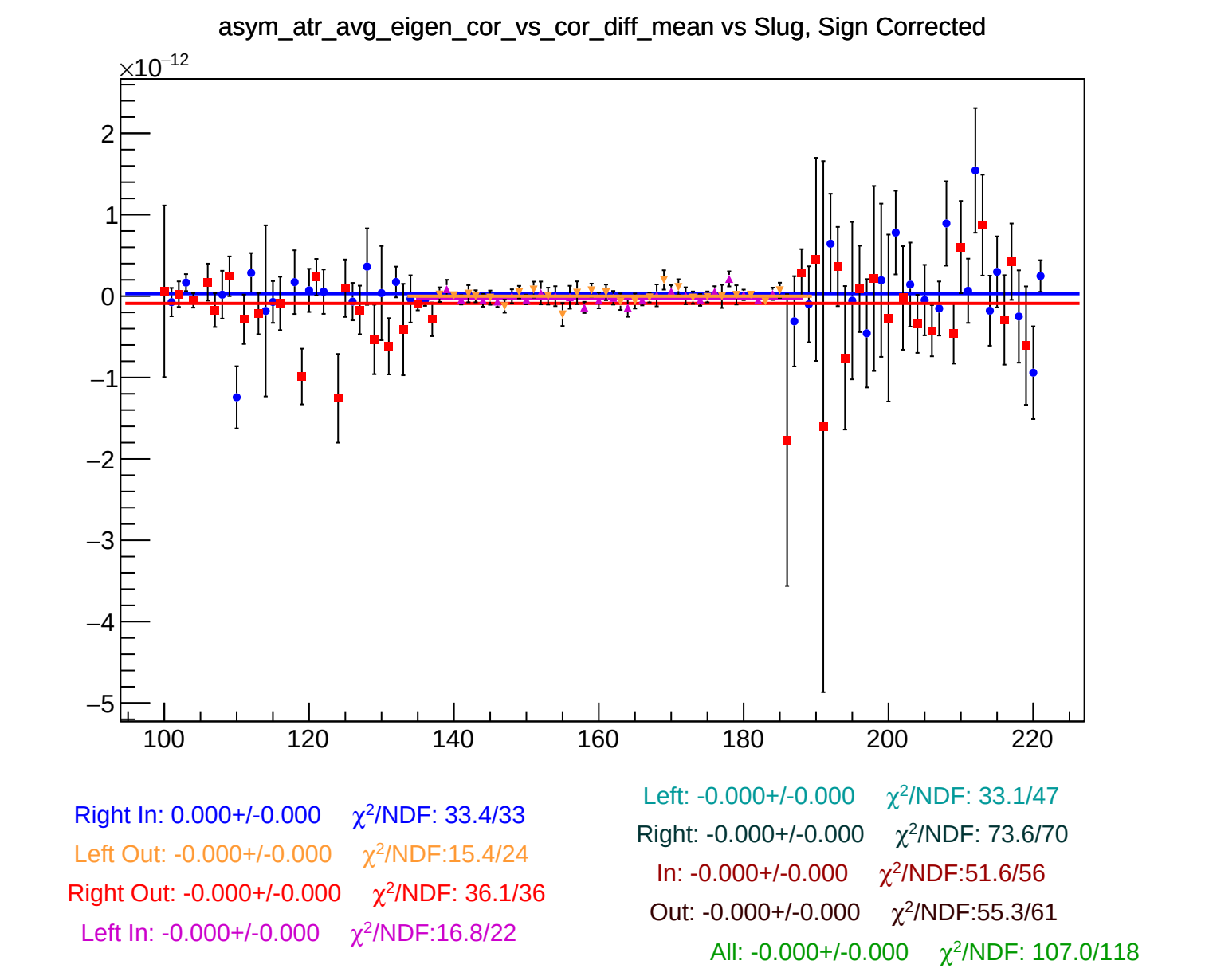
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

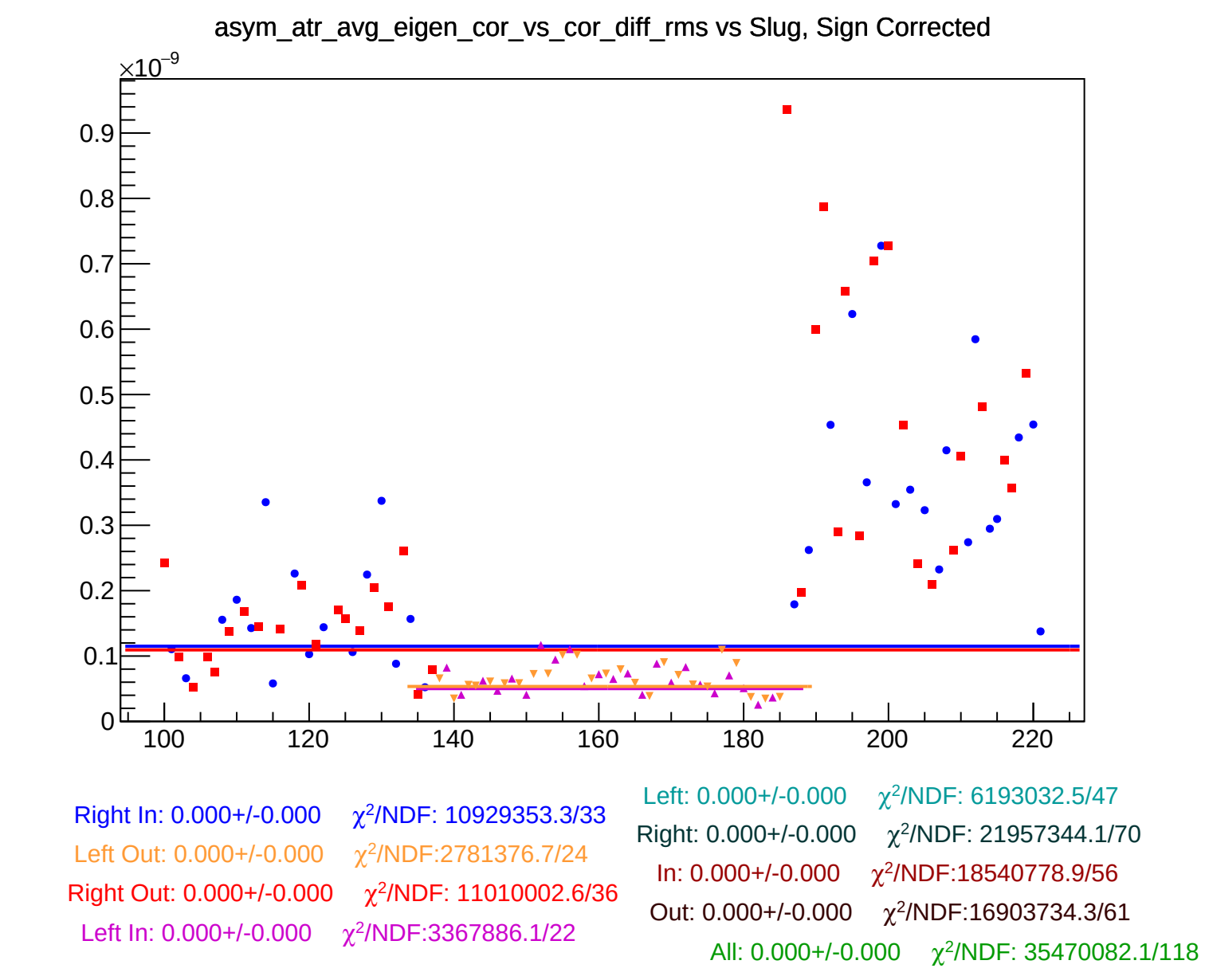
Right: 188.071+/-0.022 χ^2/NDF: 9112660.6/70

In: 223.055+/-0.027 χ^2/NDF:6876454.3/56

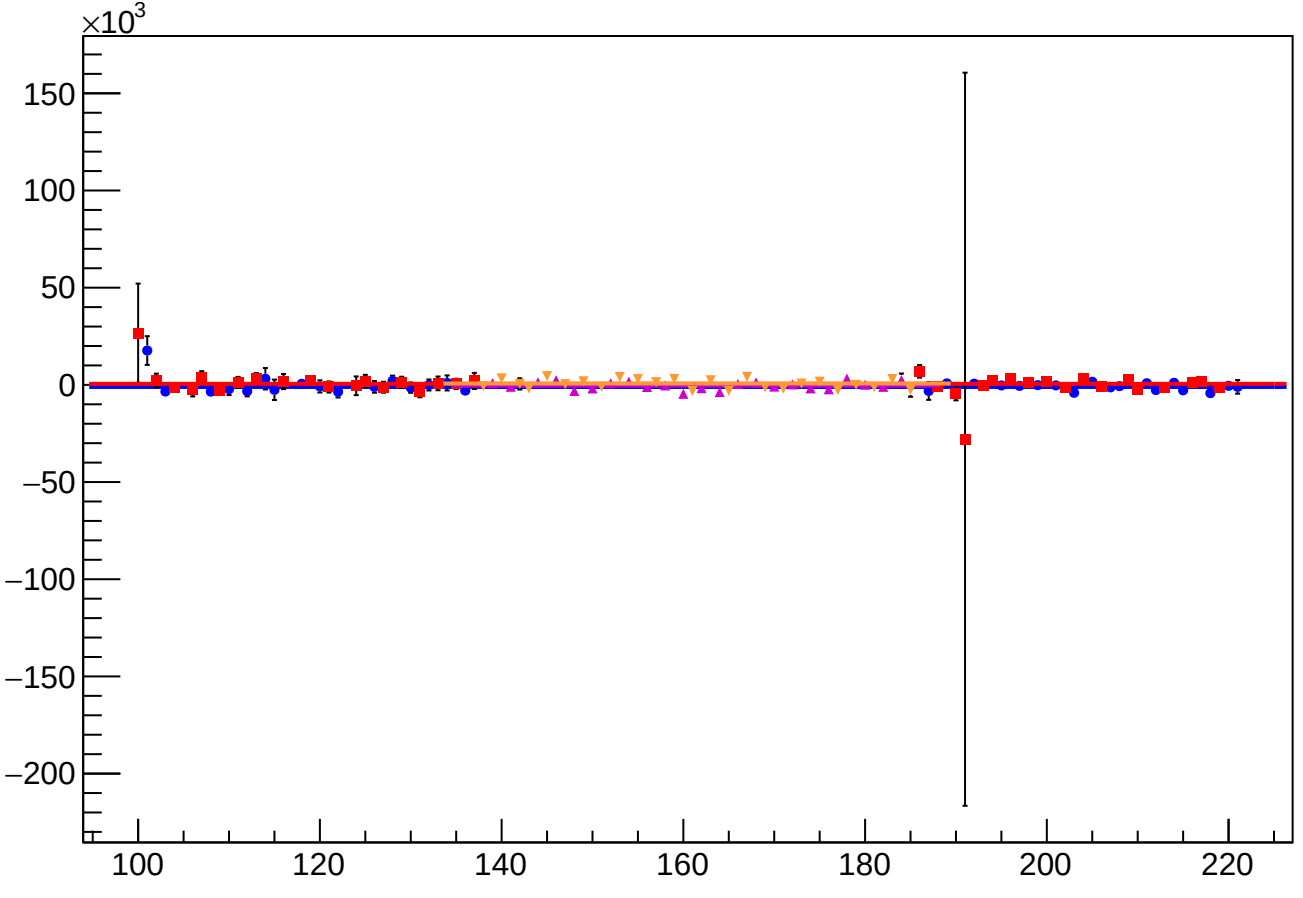
Out: 208.505+/-0.026 χ^2/NDF:11506715.1/61

All: 215.489+/-0.019 χ^2/NDF: 18535223.0/11


asym_atr_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: 33.4/33
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.1/36
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 73.6/70
In: -0.000+/-0.000 χ²/NDF:51.6/56
Out: -0.000+/-0.000 χ²/NDF:55.3/61
All: -0.000+/-0.000 χ²/NDF: 107.0/118


asym_atr_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: 10929353.3/33
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11010002.6/36
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 21957344.1/70
In: 0.000+/-0.000 χ²/NDF:18540778.9/56
Out: 0.000+/-0.000 χ²/NDF:16903734.3/61
All: 0.000+/-0.000 χ²/NDF: 35470082.1/118

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: 532.138+/-421.992 χ^2/NDF: 27.7/36

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

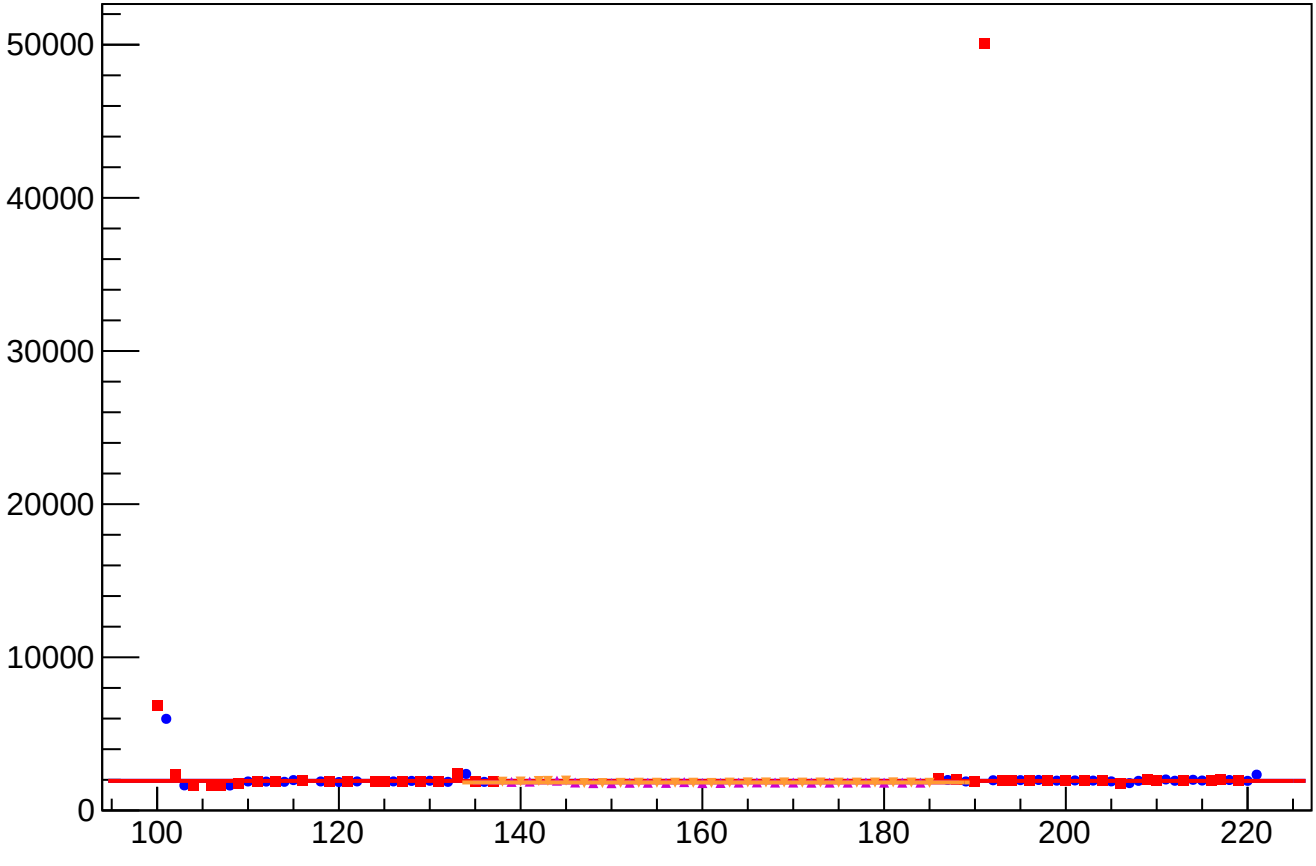
Right: -270.497+/-298.007 χ^2/NDF: 59.9/70

In: -740.244+/-299.484 χ^2/NDF:47.0/56

Out: 620.310+/-296.029 χ^2/NDF:59.7/61

All: -52.075+/-210.535 χ^2/NDF: 117.1/118

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: 1928.749+/-0.298 χ^2/NDF: 395534.2/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

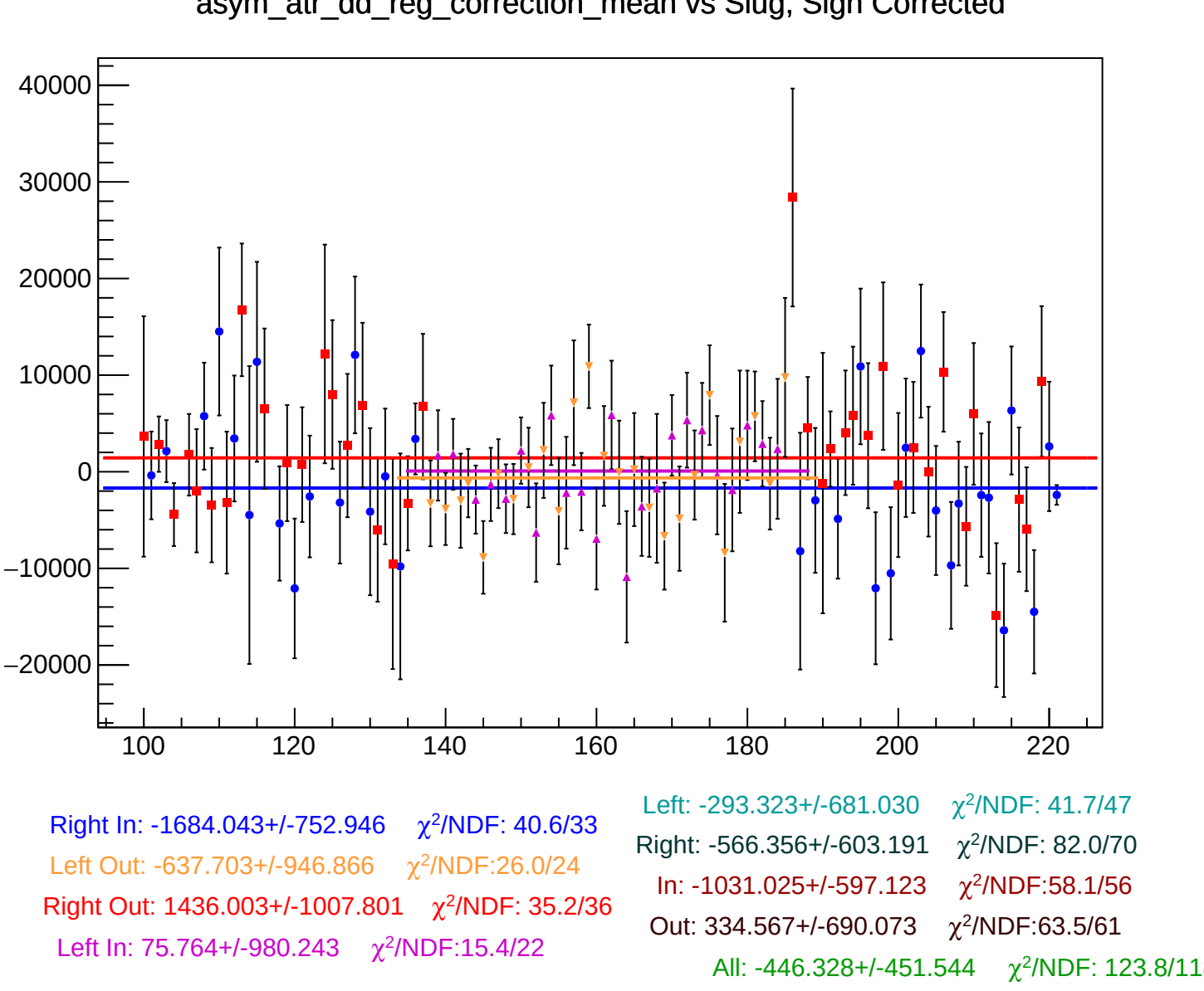
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

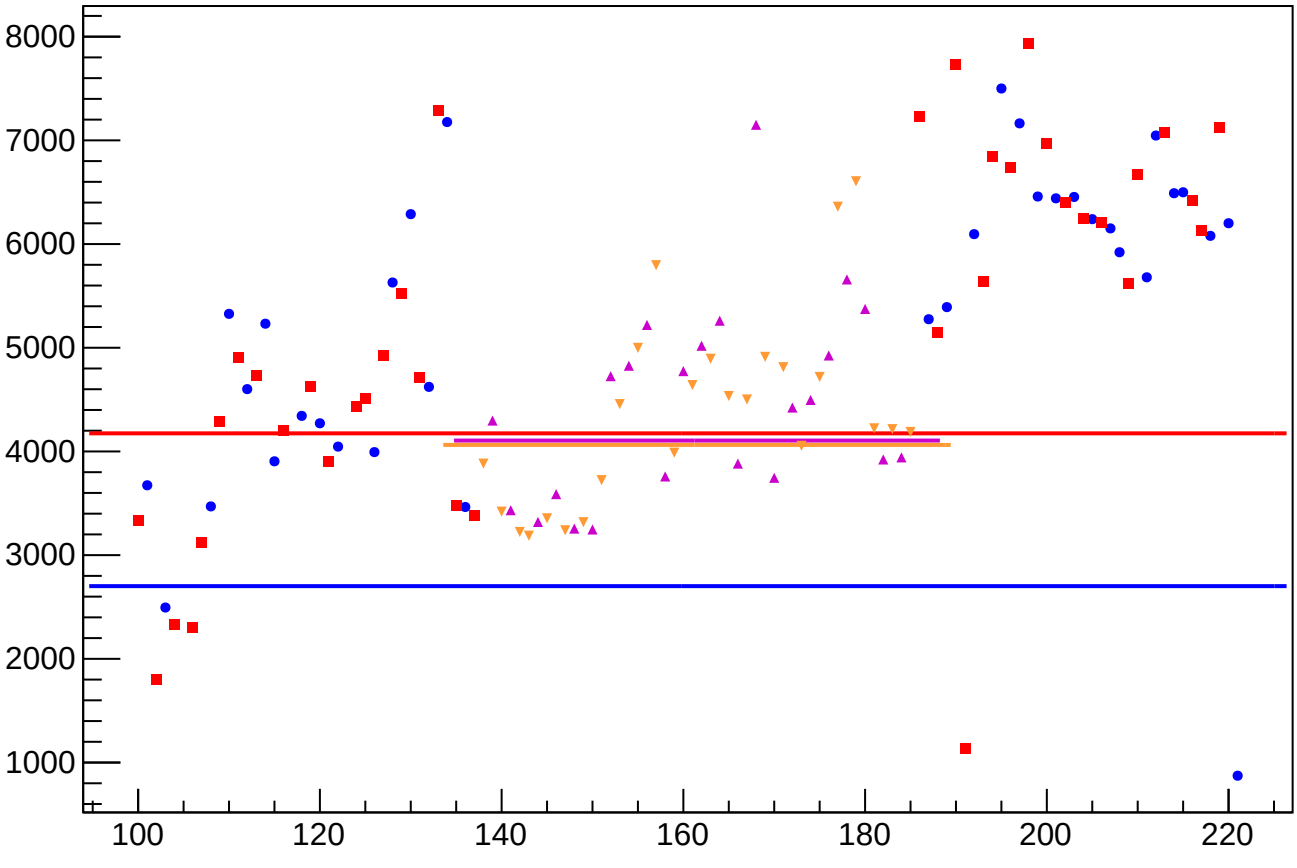
Right: 1932.001+/-0.211 χ^2/NDF: 1148095.3/70

In: 1880.895+/-0.212 χ^2/NDF:833225.0/56

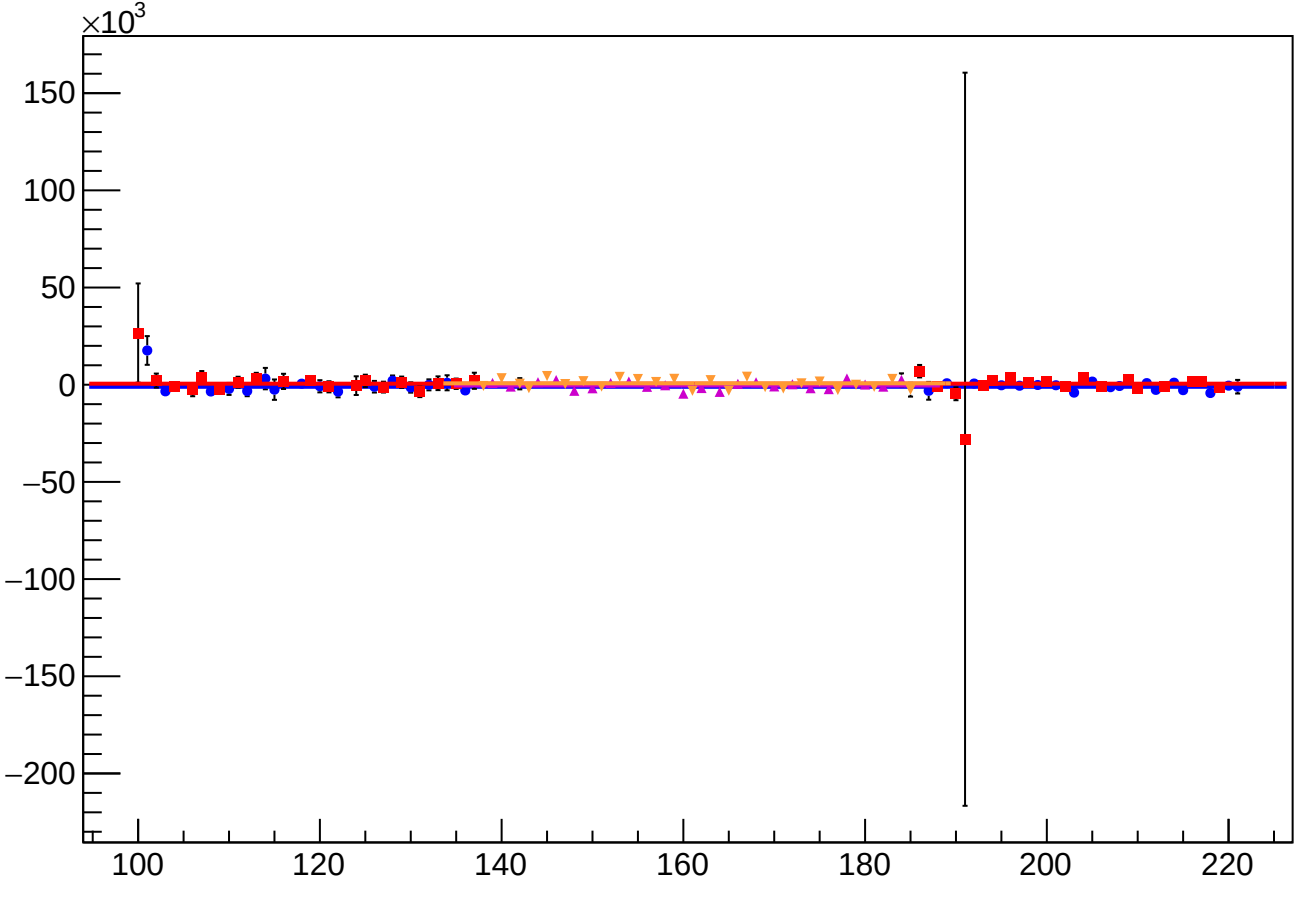
Out: 1877.764+/-0.209 χ^2/NDF:472555.9/61

All: 1879.310+/-0.149 χ^2/NDF: 1305891.5/11


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -1684.043+/-752.946 χ²/NDF: 40.6/33
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: 1436.003+/-1007.801 χ²/NDF: 35.2/36
Left In: 75.764+/-980.243 χ²/NDF:15.4/22
Left: -293.323+/-681.030 χ²/NDF: 41.7/47
Right: -566.356+/-603.191 χ²/NDF: 82.0/70
In: -1031.025+/-597.123 χ²/NDF:58.1/56
Out: 334.567+/-690.073 χ²/NDF:63.5/61
All: -446.328+/-451.544 χ²/NDF: 123.8/118


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2701.141+/-0.532 χ²/NDF: 17633672.9/33
Left Out: 4063.108+/-0.670 χ²/NDF:1405036.2/24
Right Out: 4174.551+/-0.713 χ²/NDF: 7596406.1/36
Left In: 4105.057+/-0.693 χ²/NDF:1359493.1/22
Left: 4083.357+/-0.482 χ²/NDF: 2766424.2/47
Right: 3228.958+/-0.427 χ²/NDF: 27973605.0/70
In: 3222.097+/-0.422 χ²/NDF:21573316.3/56
Out: 4115.359+/-0.488 χ²/NDF:9014432.0/61
All: 3604.560+/-0.319 χ²/NDF: 32504075.5/1

cor_asym_atr_dd_mean vs Slug, Sign Corrected



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: 528.527+/-422.197 χ^2/NDF: 27.6/36

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

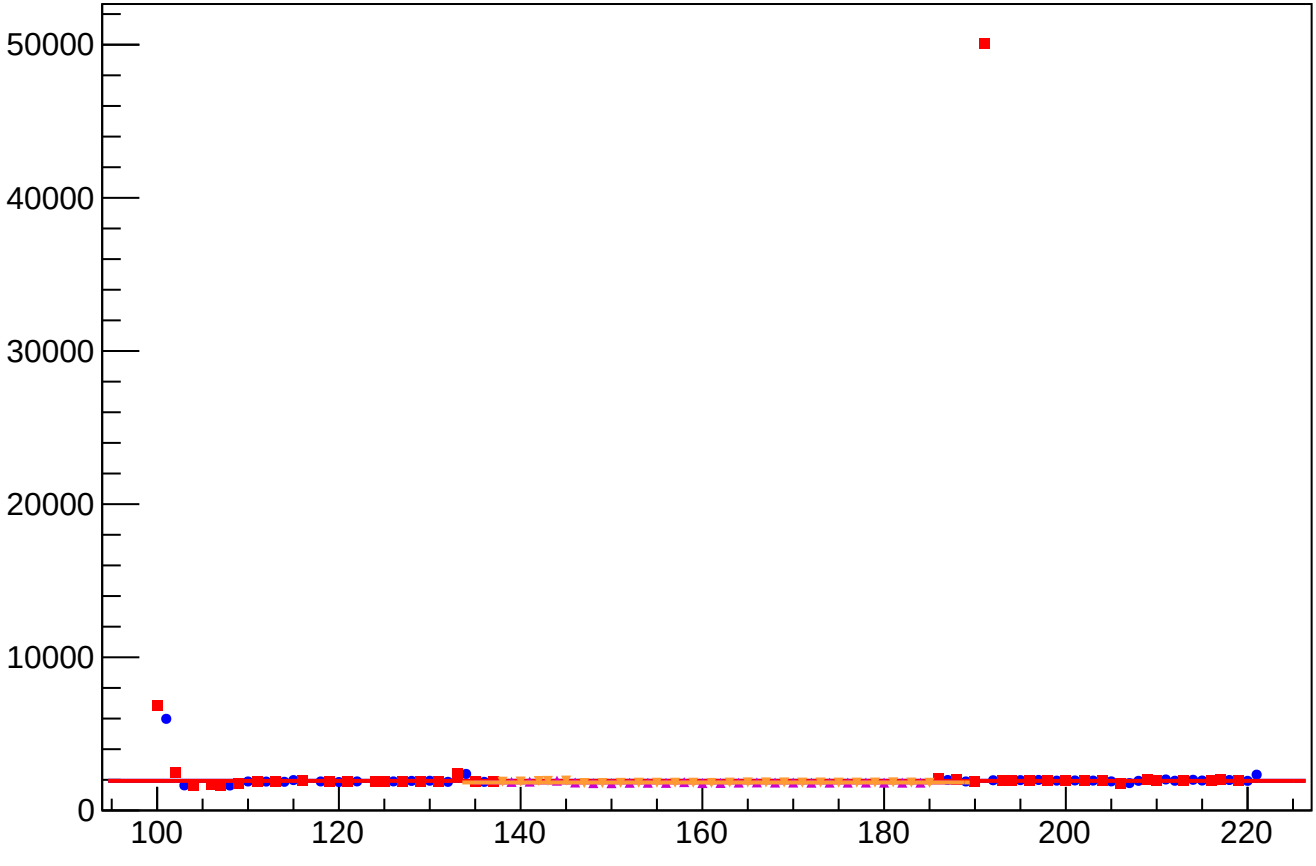
Right: -272.789+/-298.080 χ^2/NDF: 59.7/70

In: -740.267+/-299.484 χ^2/NDF:47.0/56

Out: 618.606+/-296.100 χ^2/NDF:59.6/61

All: -53.111+/-210.560 χ^2/NDF: 117.0/118

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: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

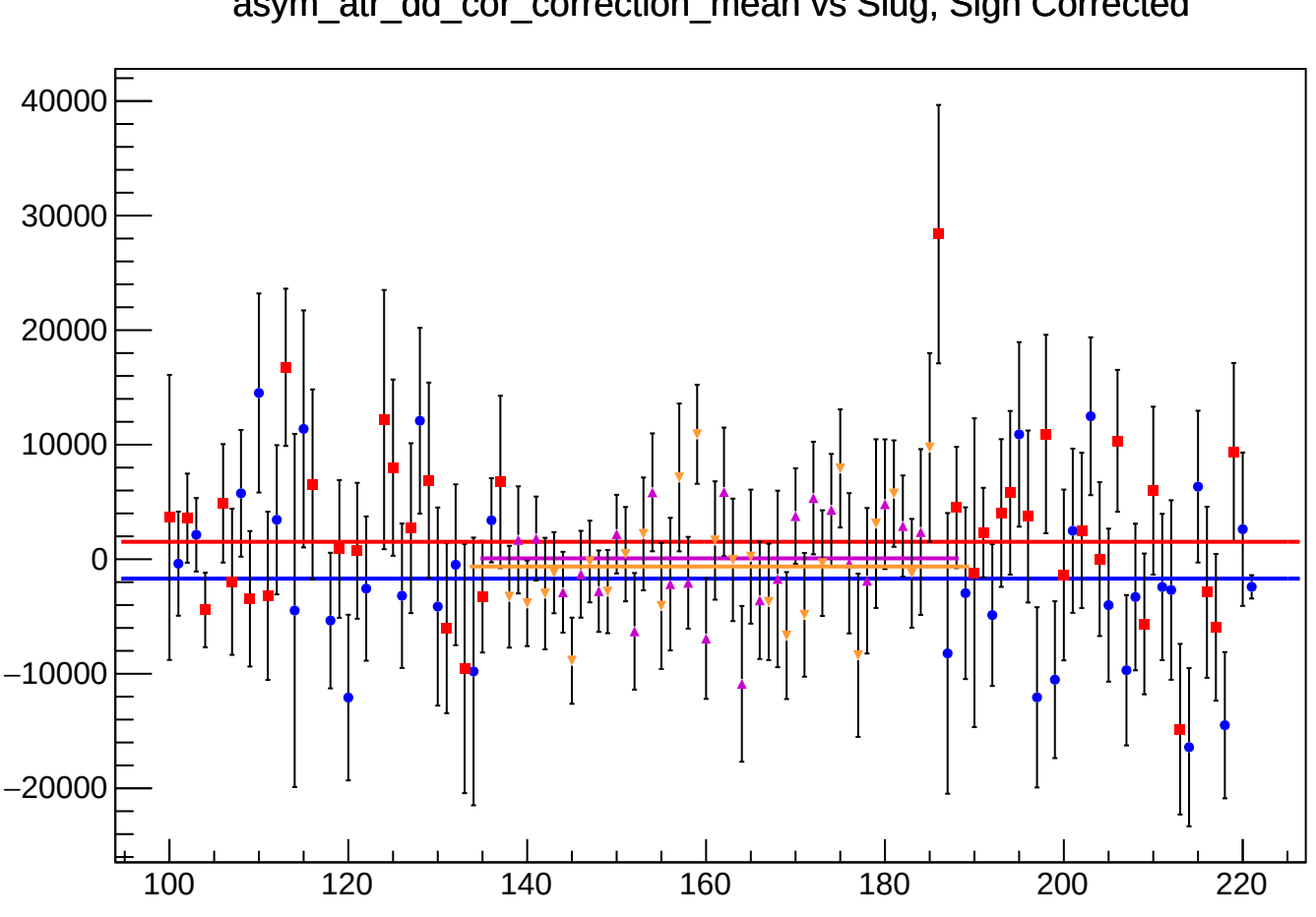
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1933.283+/-0.211 χ^2/NDF: 1153901.6/70

In: 1880.895+/-0.212 χ^2/NDF:833225.2/56

Out: 1878.968+/-0.209 χ^2/NDF:481421.7/61

All: 1879.920+/-0.149 χ^2/NDF: 1314688.8/11



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: 1521.836+/-1048.220 χ^2/NDF: 35.7/36

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

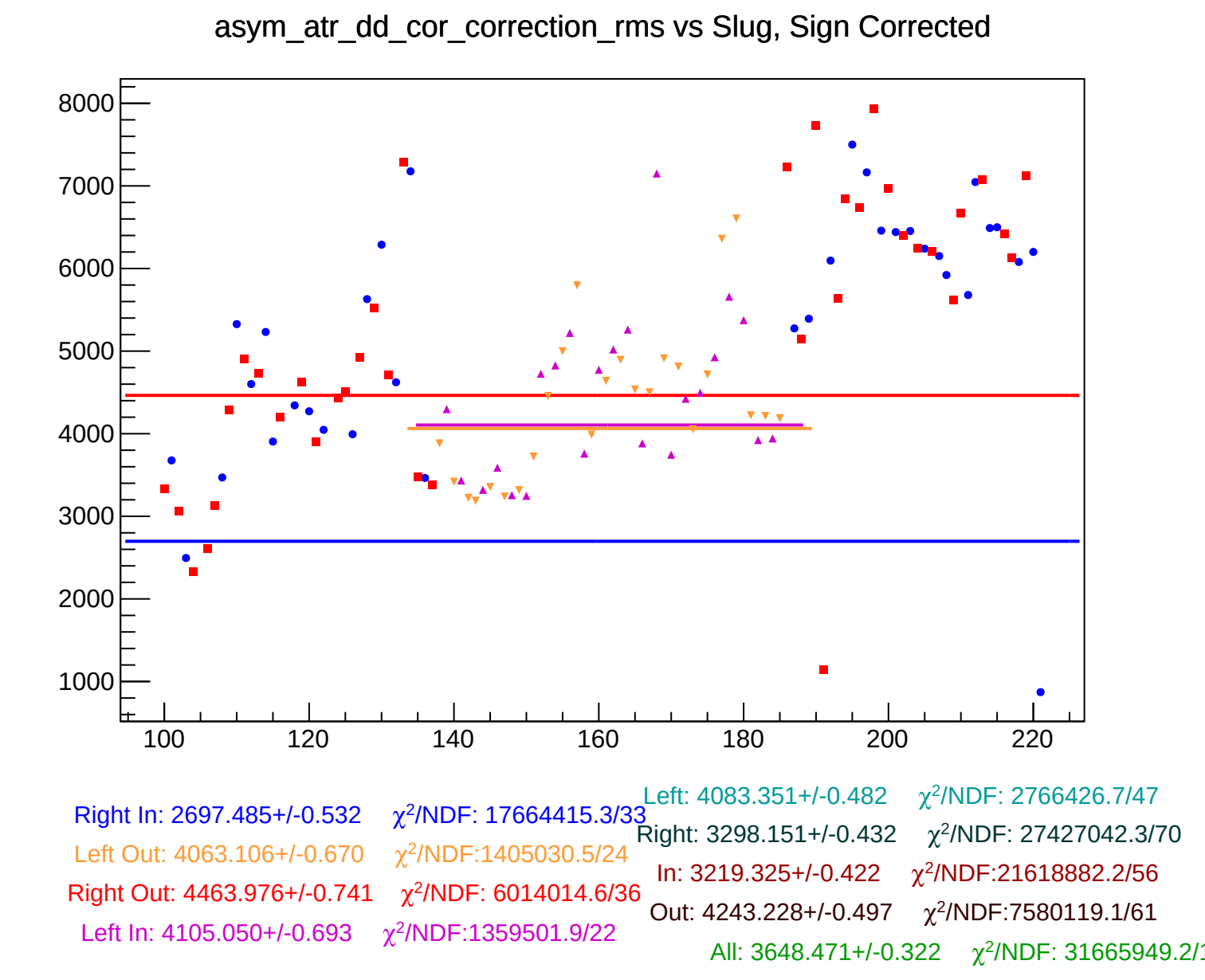
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

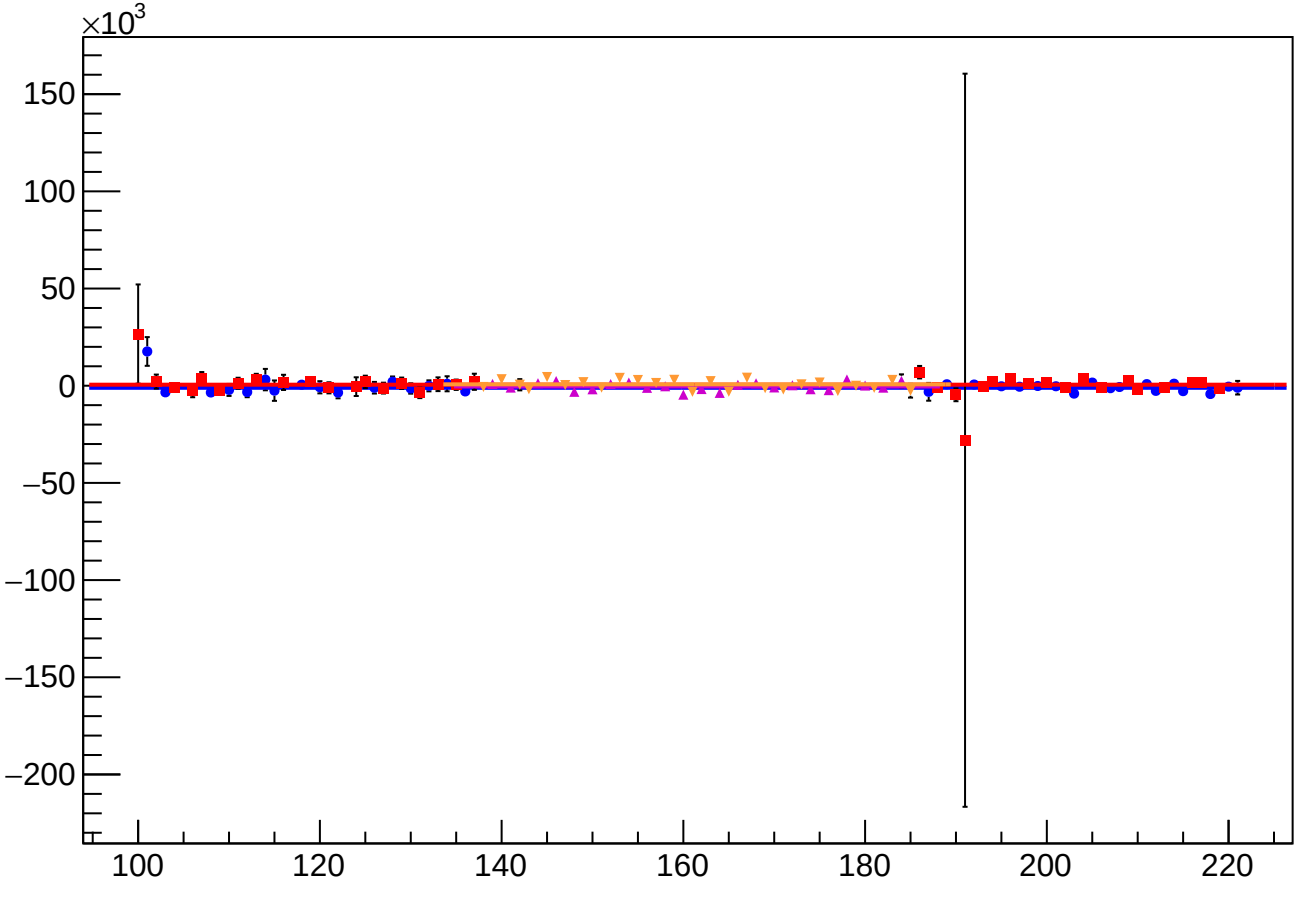
Right: -598.355+/-611.242 χ^2/NDF: 82.5/70

In: -1035.816+/-596.853 χ^2/NDF:58.1/56

Out: 332.631+/-702.643 χ^2/NDF:64.0/61

All: -462.262+/-454.891 χ^2/NDF: 124.3/118


asym_atr_dd_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2697.485+/-0.532 χ²/NDF: 17664415.3/33
Left Out: 4063.106+/-0.670 χ²/NDF:1405030.5/24
Right Out: 4463.976+/-0.741 χ²/NDF: 6014014.6/36
Left In: 4105.050+/-0.693 χ²/NDF:1359501.9/22
Left: 4083.351+/-0.482 χ²/NDF: 2766426.7/47
Right: 3298.151+/-0.432 χ²/NDF: 27427042.3/70
In: 3219.325+/-0.422 χ²/NDF:21618882.2/56
Out: 4243.228+/-0.497 χ²/NDF:7580119.1/61
All: 3648.471+/-0.322 χ²/NDF: 31665949.2/



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: 528.527+/-422.197 χ^2/NDF: 27.6/36

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

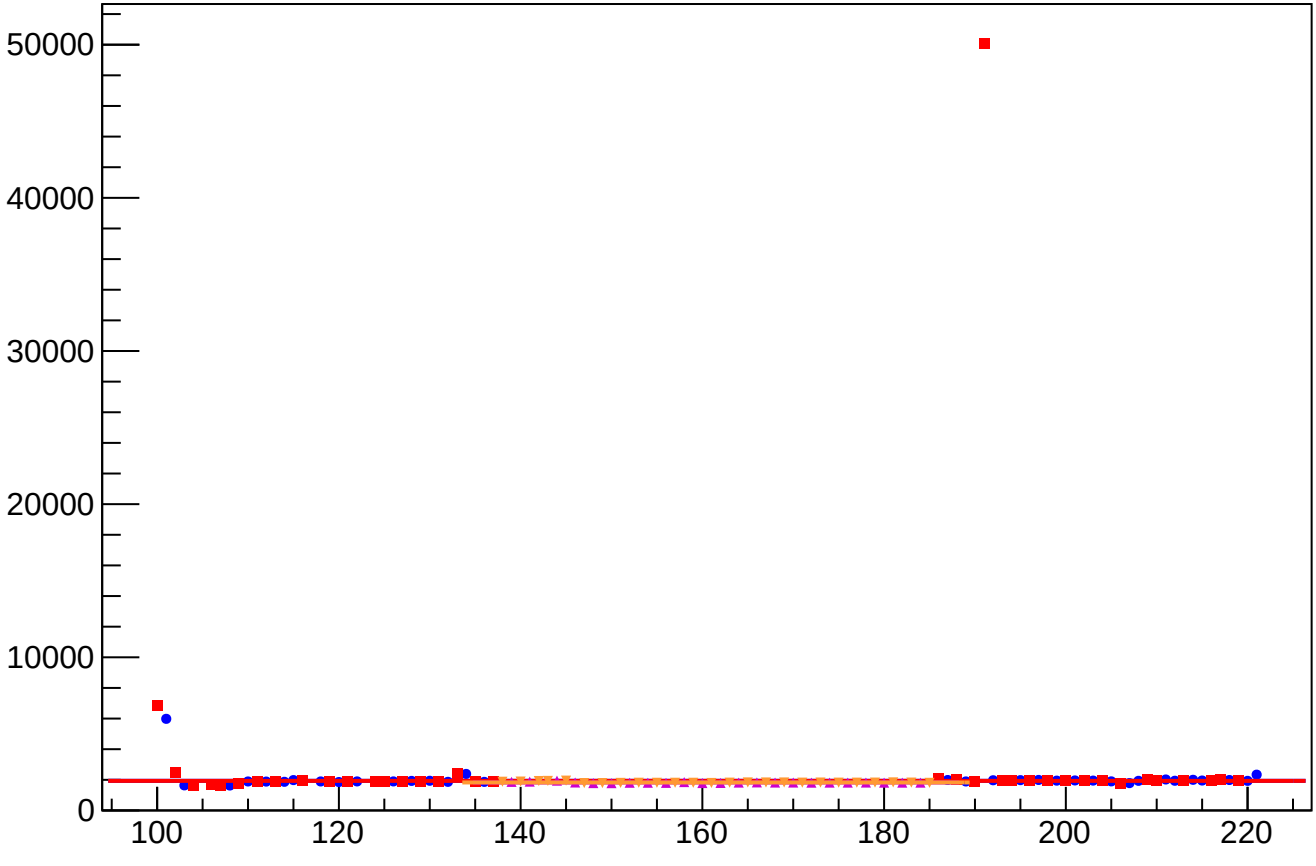
Right: -272.789+/-298.080 χ^2/NDF: 59.7/70

In: -740.267+/-299.484 χ^2/NDF:47.0/56

Out: 618.606+/-296.100 χ^2/NDF:59.6/61

All: -53.111+/-210.560 χ^2/NDF: 117.0/118

eigen_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: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

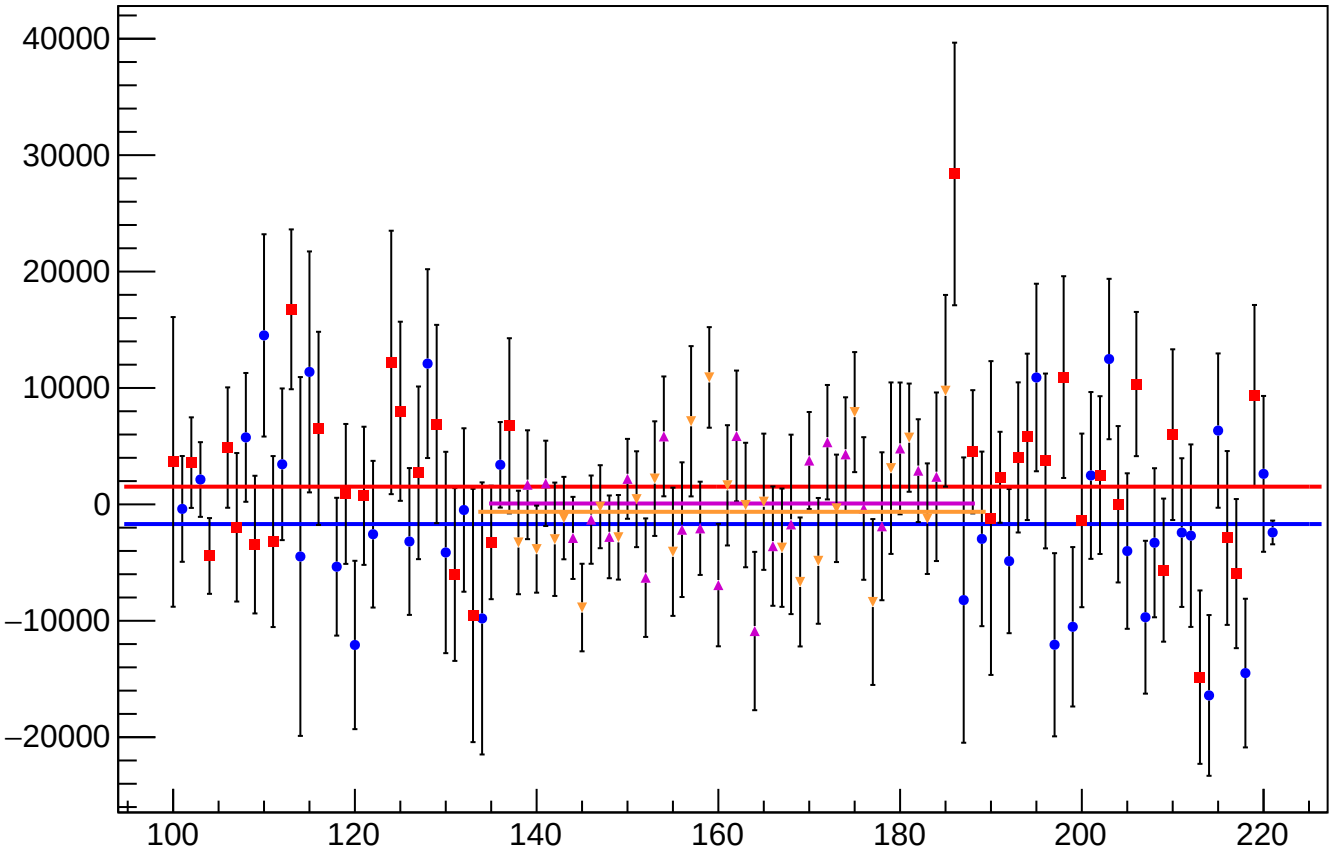
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1933.283+/-0.211 χ^2/NDF: 1153901.6/70

In: 1880.895+/-0.212 χ^2/NDF:833225.2/56

Out: 1878.968+/-0.209 χ^2/NDF:481421.7/61

All: 1879.920+/-0.149 χ^2/NDF: 1314688.8/11



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: 1521.836+/-1048.220 χ^2/NDF: 35.7/36

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

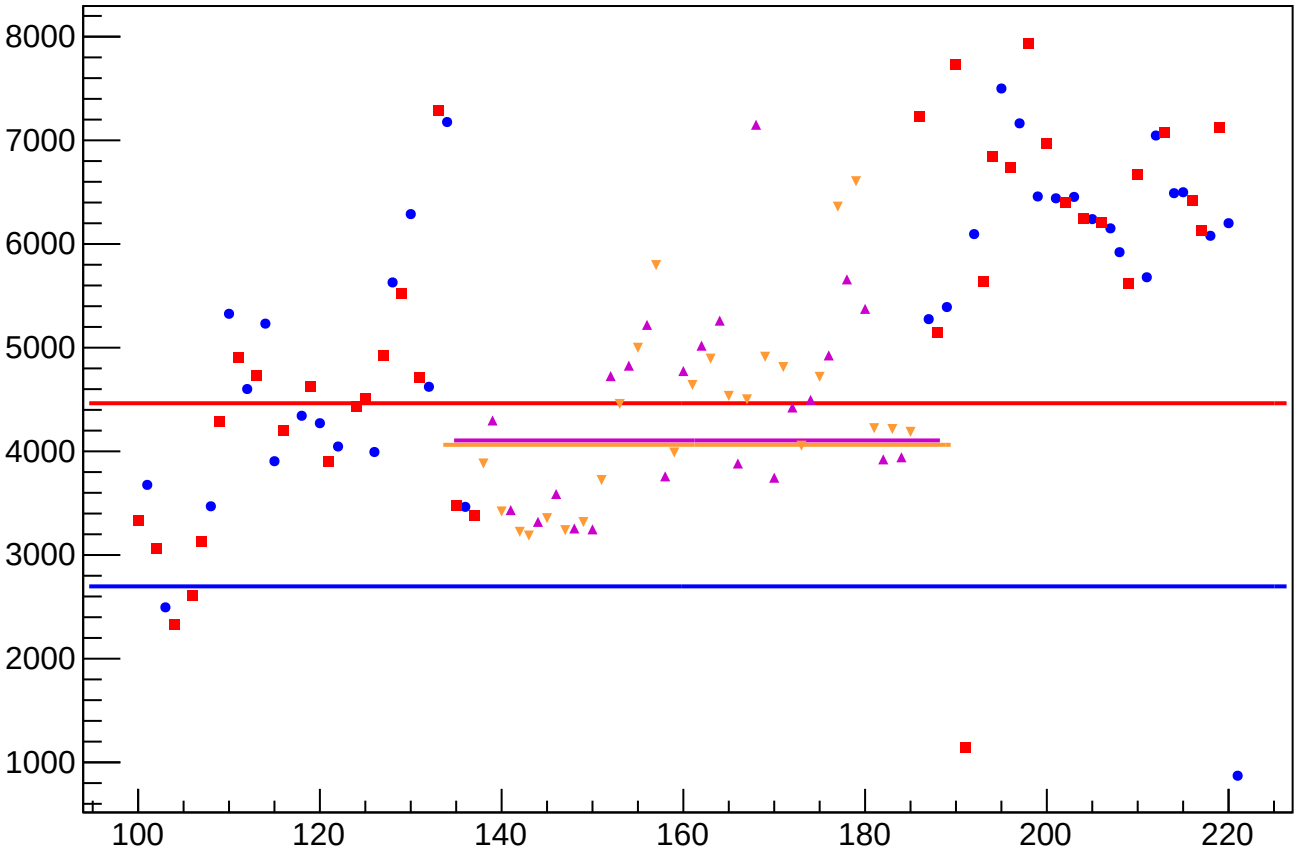
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: -598.355+/-611.242 χ^2/NDF: 82.5/70

In: -1035.816+/-596.853 χ^2/NDF:58.1/56

Out: 332.631+/-702.643 χ^2/NDF:64.0/61

All: -462.262+/-454.891 χ^2/NDF: 124.3/118



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: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

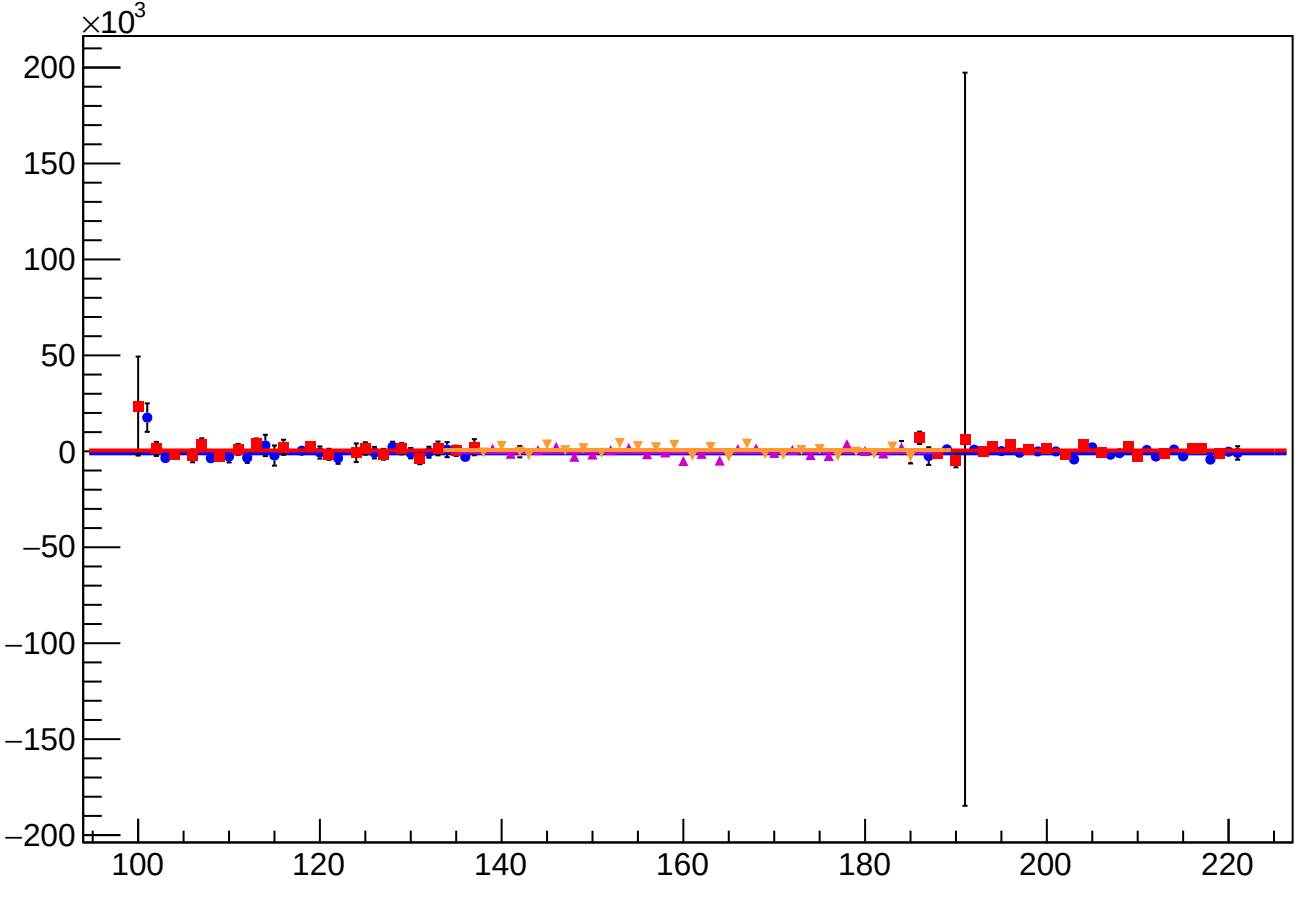
Right: 3298.151+/-0.432 χ^2/NDF: 27427042.3/70

In: 3219.325+/-0.422 χ^2/NDF:21618882.2/56

Out: 4243.228+/-0.497 χ^2/NDF:7580119.1/61

All: 3648.471+/-0.322 χ^2/NDF: 31665949.2/

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: 442.698+/-425.671 χ^2/NDF: 29.8/36

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

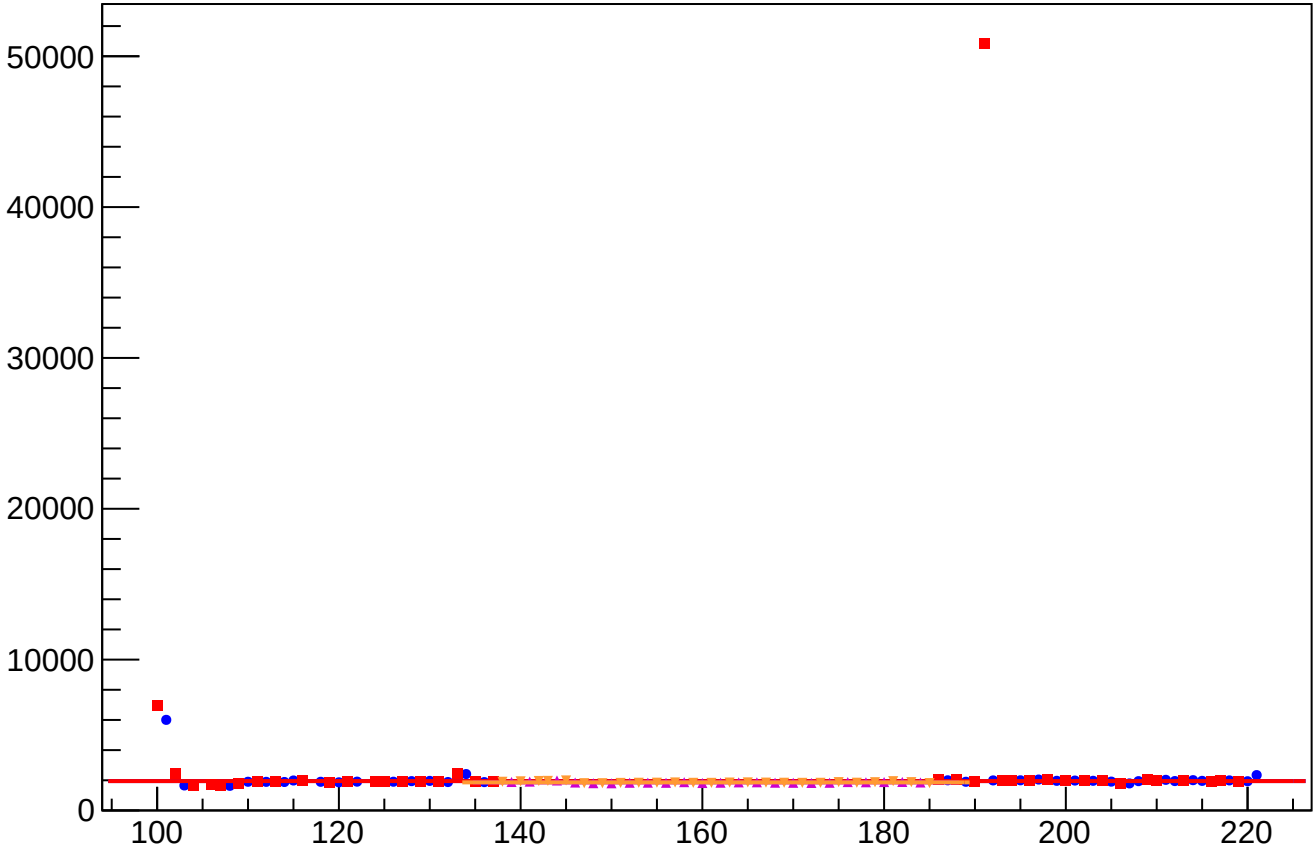
Right: -305.500+/-300.373 χ^2/NDF: 62.2/70

In: -736.583+/-303.208 χ^2/NDF:51.0/56

Out: 550.817+/-300.069 χ^2/NDF:57.0/61

All: -86.184+/-213.282 χ^2/NDF: 117.0/118

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: 1946.781+/-0.301 χ^2/NDF: 409179.2/36

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

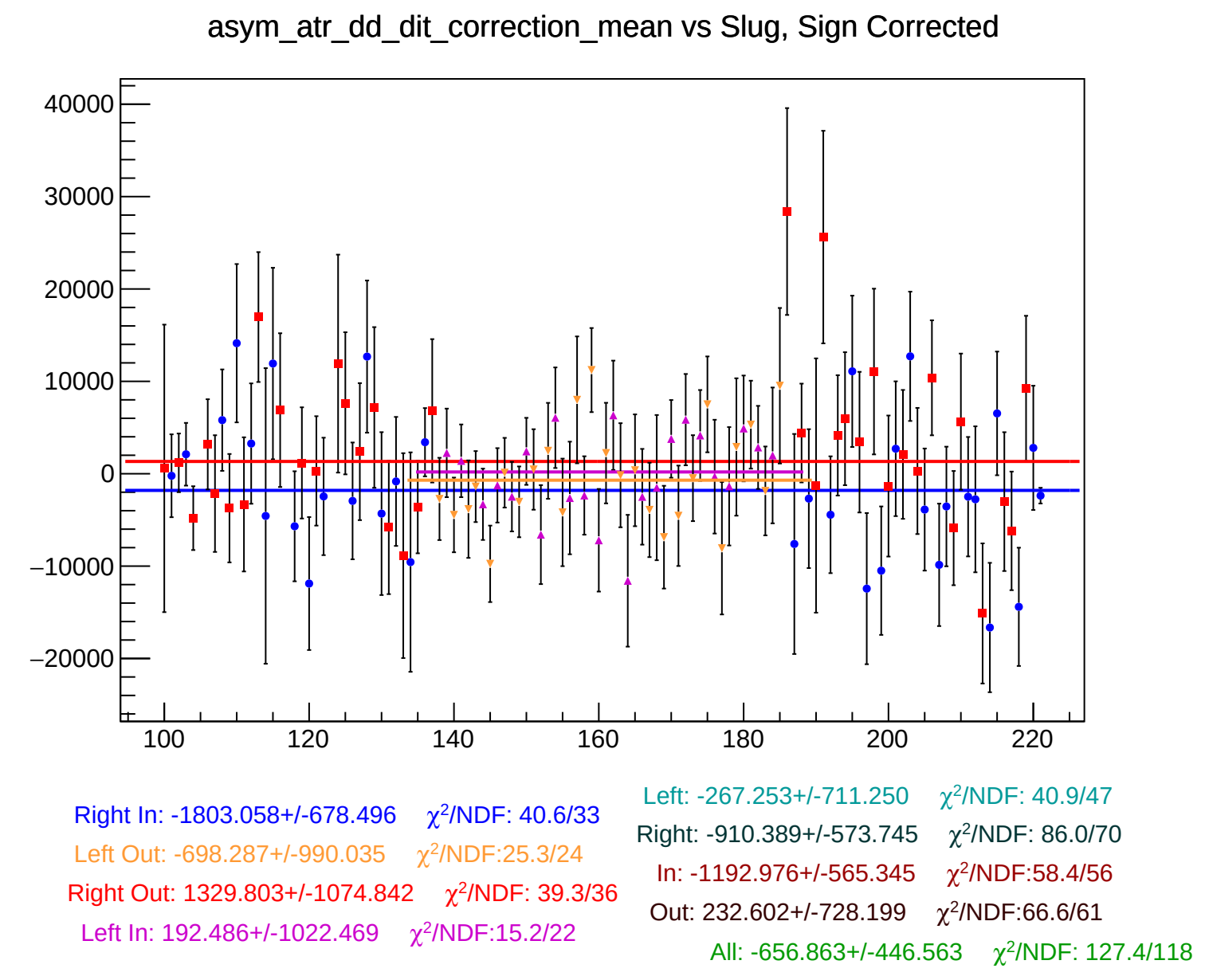
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

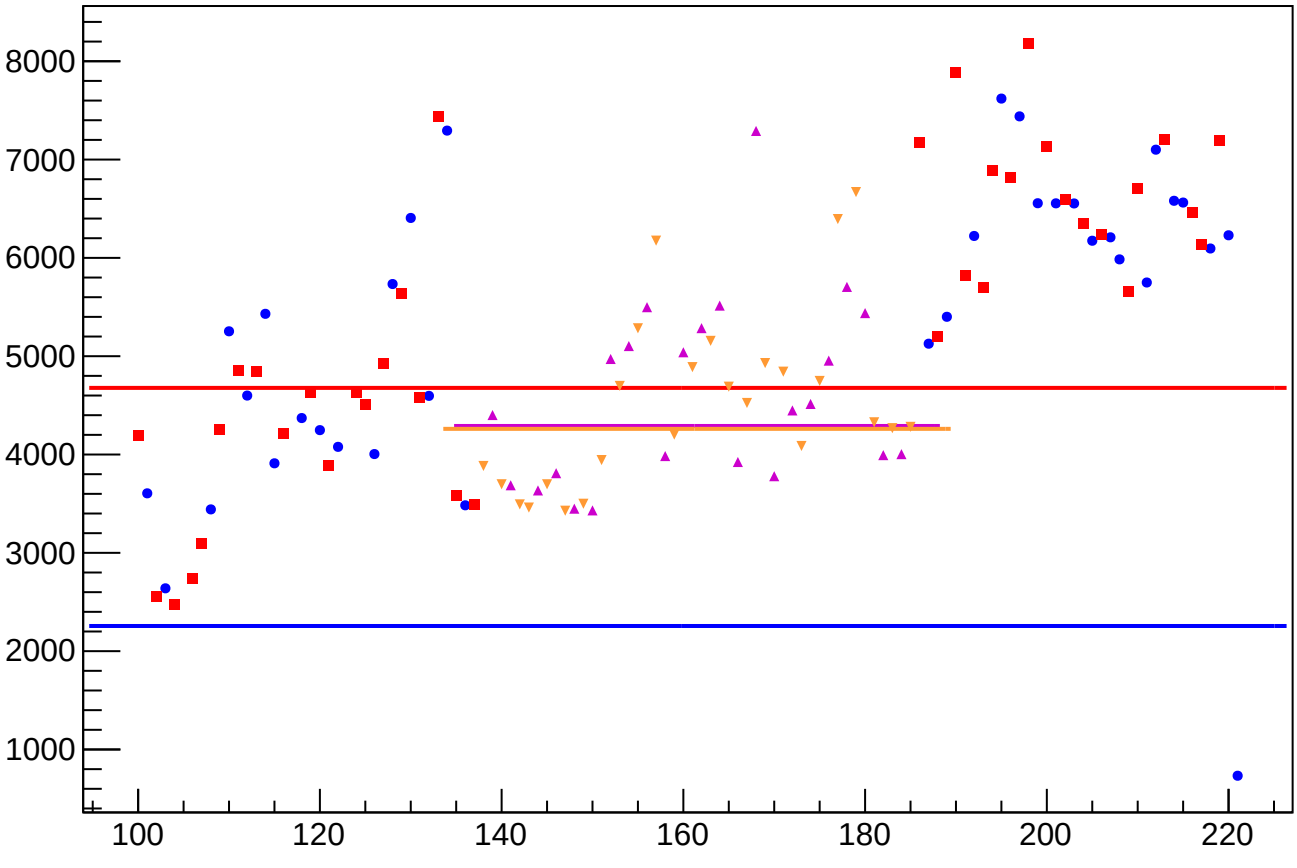
Right: 1947.914+/-0.212 χ^2/NDF: 1162448.3/70

In: 1904.409+/-0.214 χ^2/NDF:815010.5/56

Out: 1904.011+/-0.212 χ^2/NDF:475375.8/61

All: 1904.208+/-0.151 χ^2/NDF: 1290388.1/11


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -1803.058+/-678.496 χ²/NDF: 40.6/33
Left Out: -698.287+/-990.035 χ²/NDF:25.3/24
Right Out: 1329.803+/-1074.842 χ²/NDF: 39.3/36
Left In: 192.486+/-1022.469 χ²/NDF:15.2/22
Left: -267.253+/-711.250 χ²/NDF: 40.9/47
Right: -910.389+/-573.745 χ²/NDF: 86.0/70
In: -1192.976+/-565.345 χ²/NDF:58.4/56
Out: 232.602+/-728.199 χ²/NDF:66.6/61
All: -656.863+/-446.563 χ²/NDF: 127.4/118



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: 4677.740+/-0.760 χ^2/NDF: 4896075.0/36

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

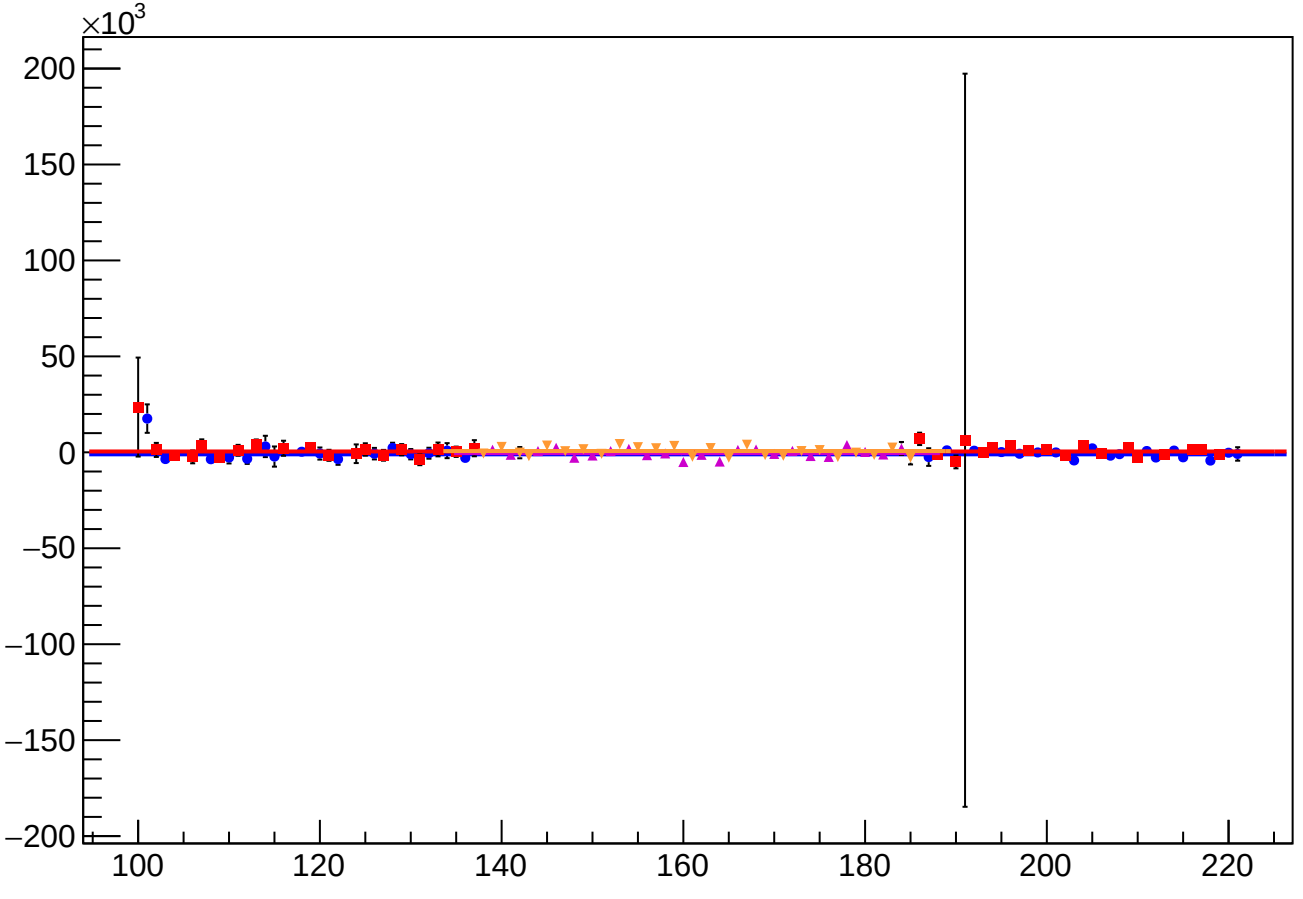
Right: 2946.095+/-0.406 χ^2/NDF: 33407576.2/70

In: 2878.010+/-0.400 χ^2/NDF:27962562.3/56

Out: 4452.350+/-0.515 χ^2/NDF:6249195.8/61

All: 3470.067+/-0.316 χ^2/NDF: 40044396.8/

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



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: 442.694+/-425.671 χ^2/NDF: 29.8/36

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

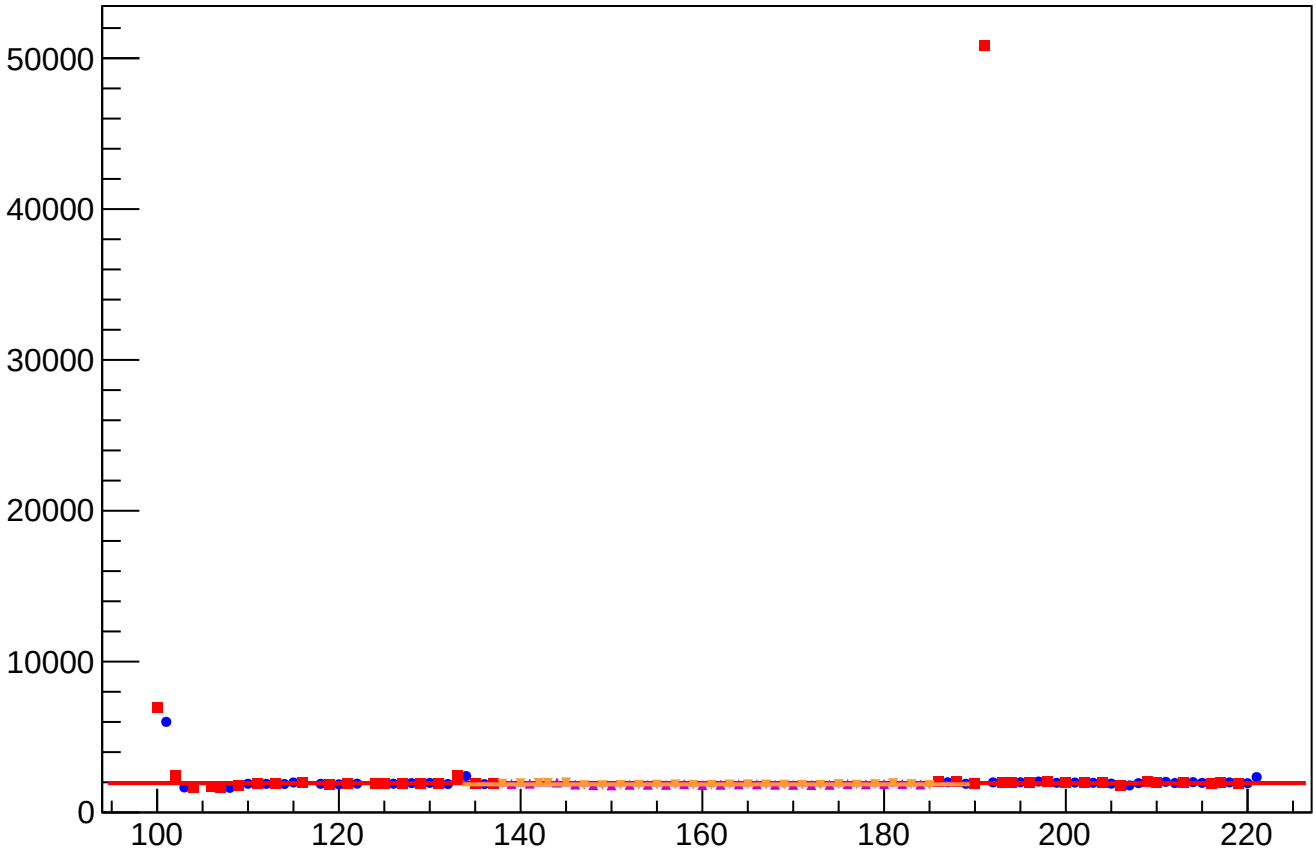
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -305.499+/-300.373 χ^2/NDF: 62.2/70

In: -736.580+/-303.208 χ^2/NDF:51.0/56

Out: 550.818+/-300.069 χ^2/NDF:57.0/61

All: -86.182+/-213.282 χ^2/NDF: 117.0/118



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: 1946.781+/-0.301 χ^2/NDF: 409179.4/36

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

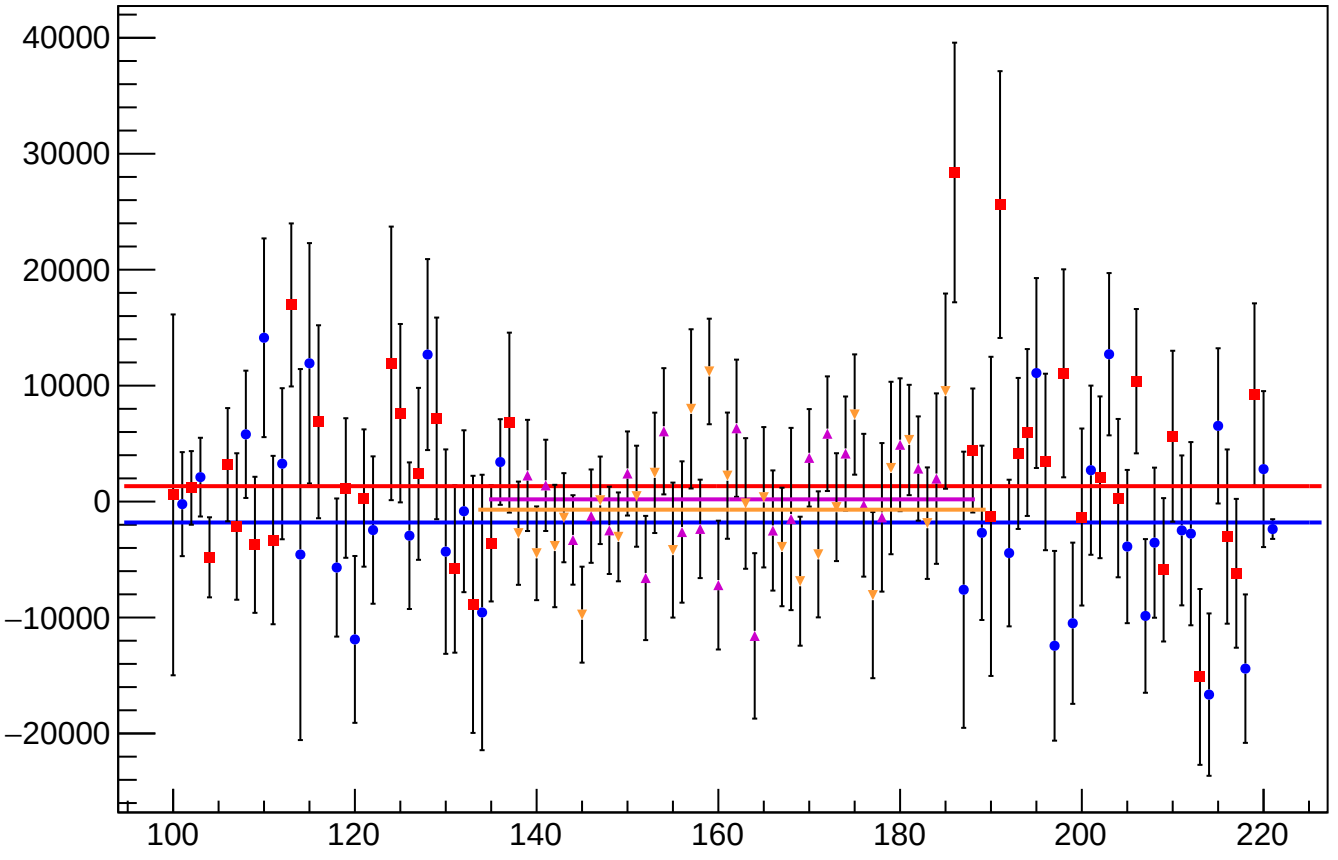
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1947.914+/-0.212 χ^2/NDF: 1162448.3/70

In: 1904.409+/-0.214 χ^2/NDF:815009.6/56

Out: 1904.011+/-0.212 χ^2/NDF:475375.5/61

All: 1904.208+/-0.151 χ^2/NDF: 1290386.9/11



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: 1329.799+/-1074.842 χ^2/NDF: 39.3/36

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

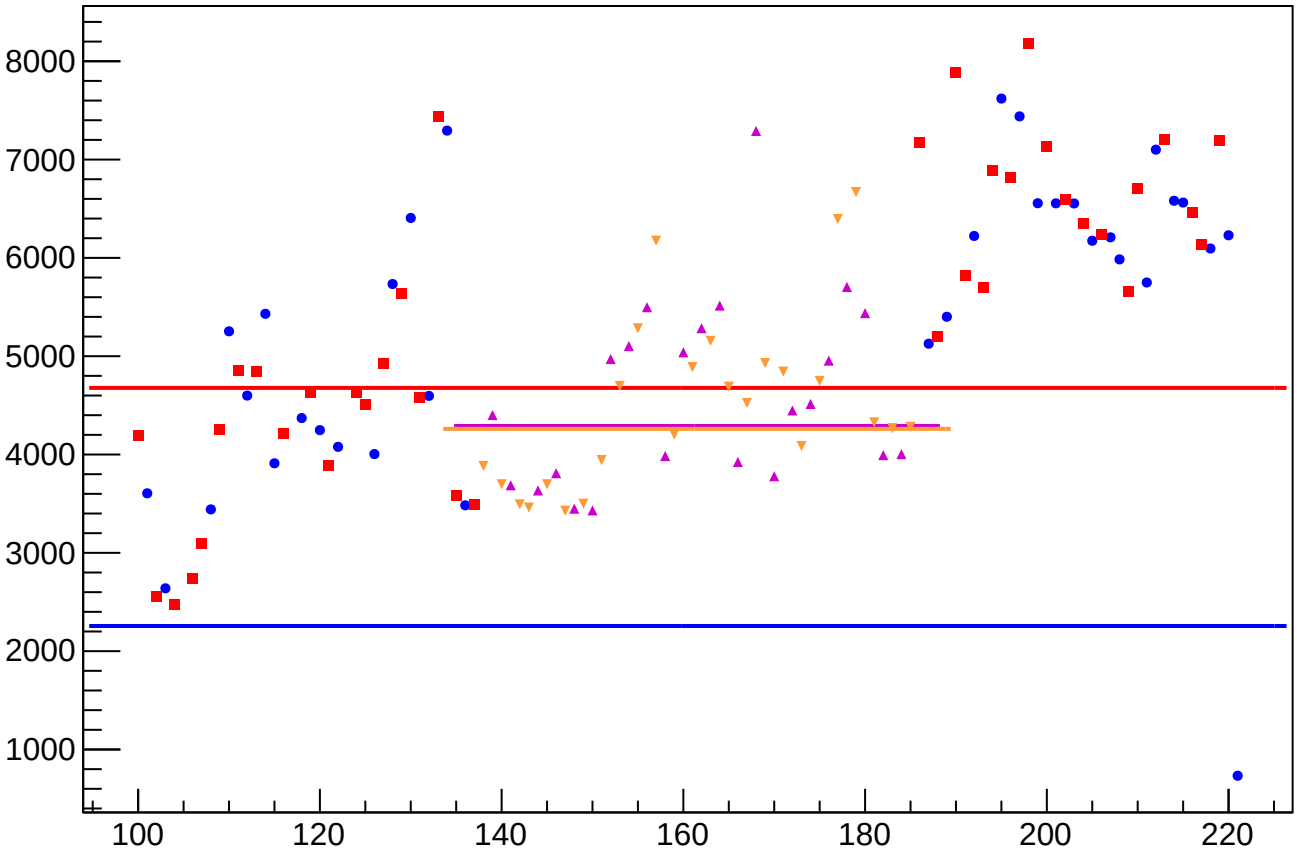
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: -910.378+/-573.746 χ^2/NDF: 86.0/70

In: -1192.965+/-565.346 χ^2/NDF:58.4/56

Out: 232.603+/-728.199 χ^2/NDF:66.6/61

All: -656.855+/-446.563 χ^2/NDF: 127.4/118



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: 4677.738+/-0.760 χ^2/NDF: 4896085.0/36

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

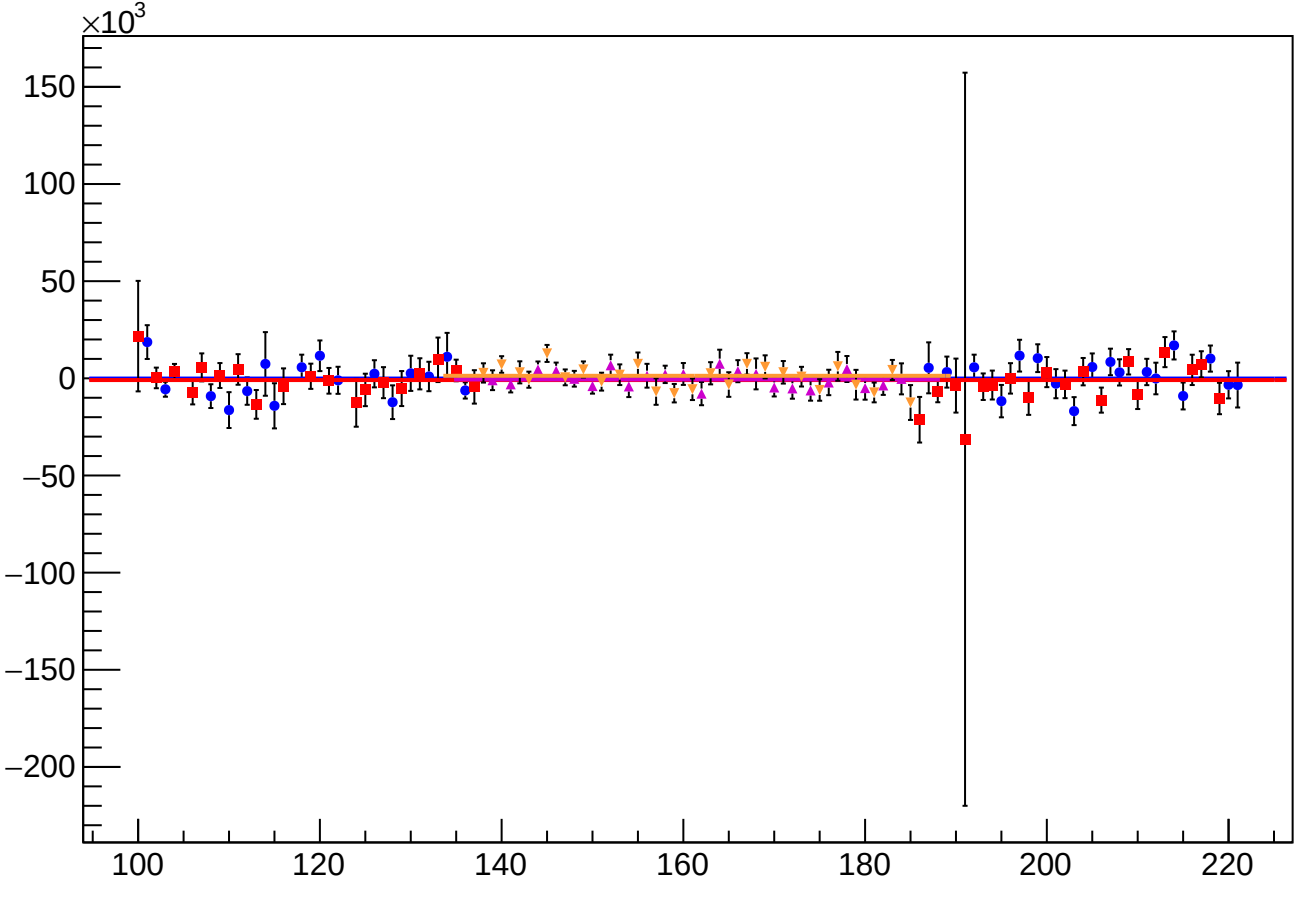
Right: 2946.099+/-0.406 χ^2/NDF: 33407504.6/70

In: 2878.015+/-0.400 χ^2/NDF:27962522.4/56

Out: 4452.353+/-0.515 χ^2/NDF:6249201.5/61

All: 3470.072+/-0.316 χ^2/NDF: 40044337.7/

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: -889.601+/-1210.182 χ^2/NDF: 29.3/36

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

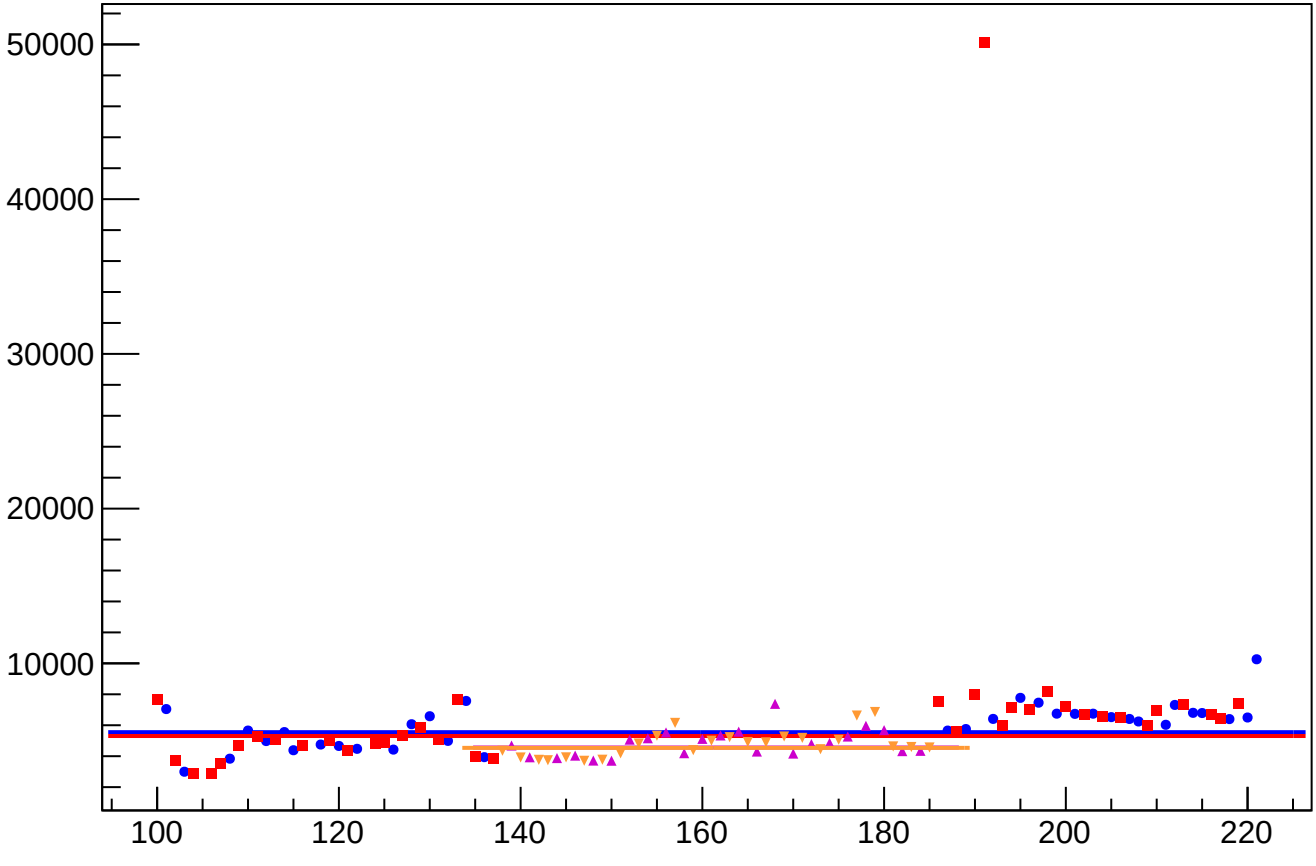
Right: -509.231+/-862.989 χ^2/NDF: 77.7/70

In: -375.587+/-812.741 χ^2/NDF:62.7/56

Out: 359.130+/-792.900 χ^2/NDF:59.7/61

All: 0.849+/-567.550 χ^2/NDF: 122.8/118

asym_atr_dd_rms vs Slug, Sign Corrected



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: 5303.766+/-0.852 χ^2/NDF: 3339046.7/36

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

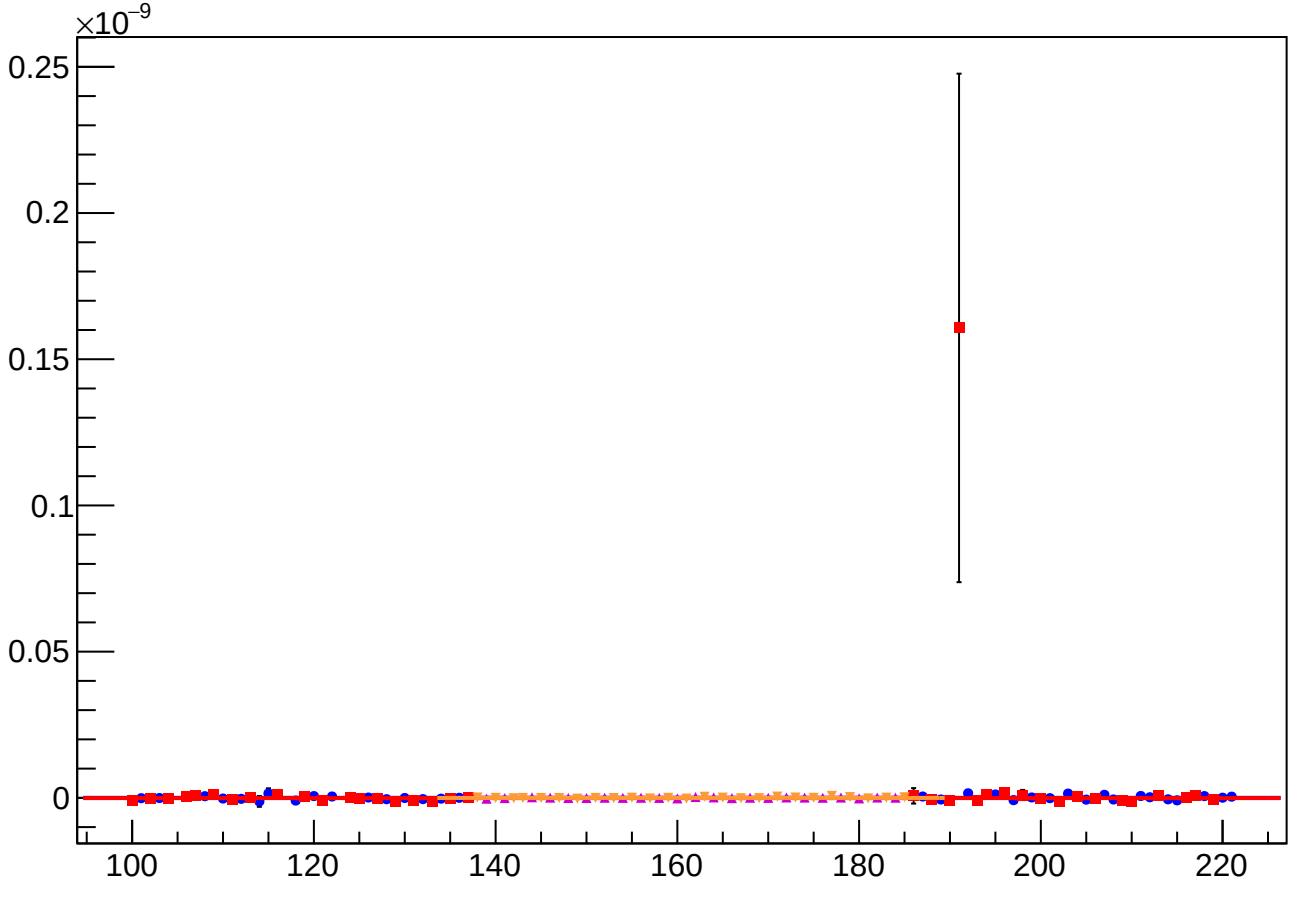
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5425.322+/-0.609 χ^2/NDF: 6228067.3/70

In: 4992.818+/-0.575 χ^2/NDF:4559862.2/56

Out: 4868.404+/-0.560 χ^2/NDF:4791452.1/61

All: 4928.952+/-0.401 χ^2/NDF: 9375372.6/11



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: 45.3/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

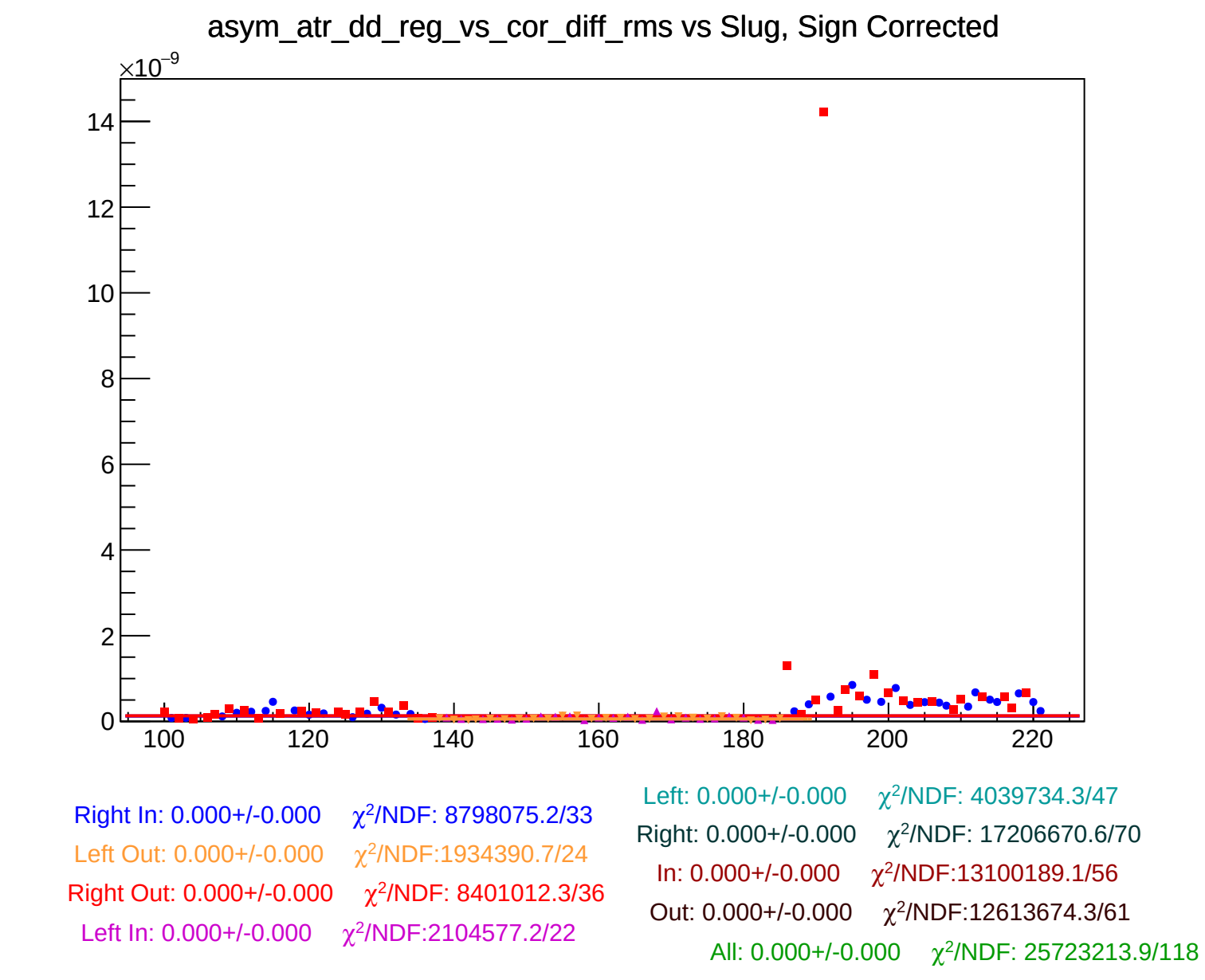
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

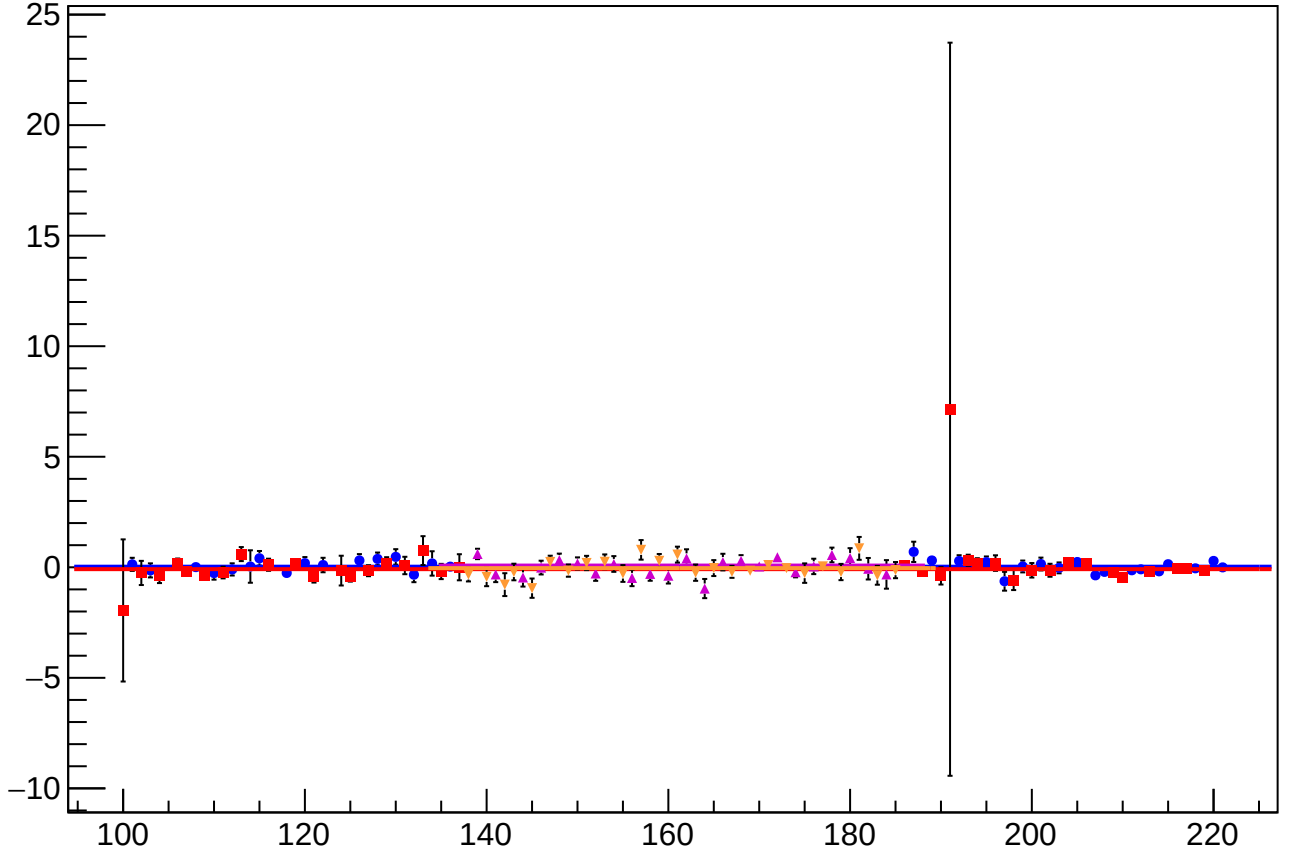
Right: -0.000+/-0.000 χ^2/NDF: 76.0/70

In: 0.000+/-0.000 χ^2/NDF:50.4/56

Out: -0.000+/-0.000 χ^2/NDF:83.8/61

All: -0.000+/-0.000 χ^2/NDF: 136.4/118


asym_atr_dd_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: 8798075.2/33
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8401012.3/36
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4039734.3/47
Right: 0.000+/-0.000 χ²/NDF: 17206670.6/70
In: 0.000+/-0.000 χ²/NDF:13100189.1/56
Out: 0.000+/-0.000 χ²/NDF:12613674.3/61
All: 0.000+/-0.000 χ²/NDF: 25723213.9/118



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: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

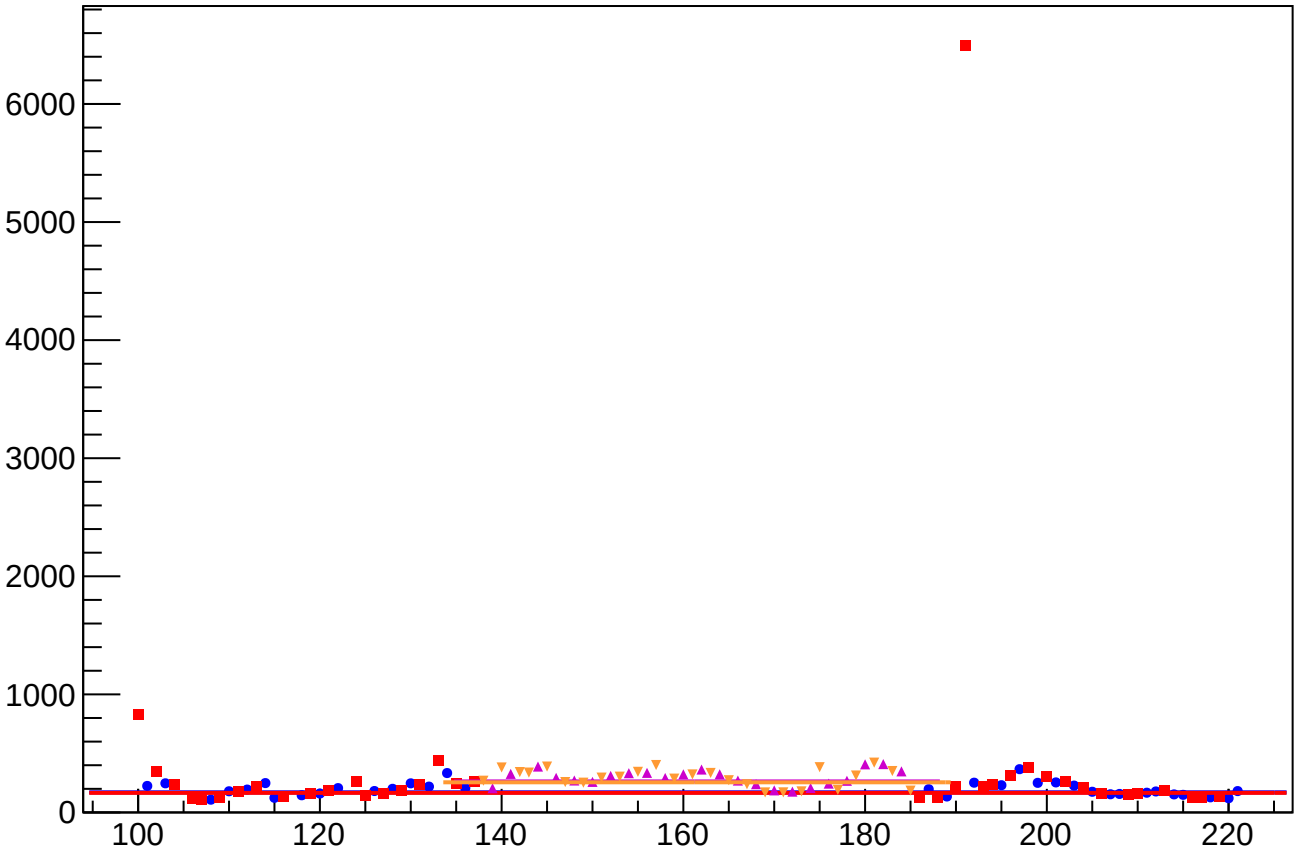
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.028+/-0.027 χ^2/NDF: 72.5/70

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.016+/-0.023 χ^2/NDF: 130.5/118



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: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

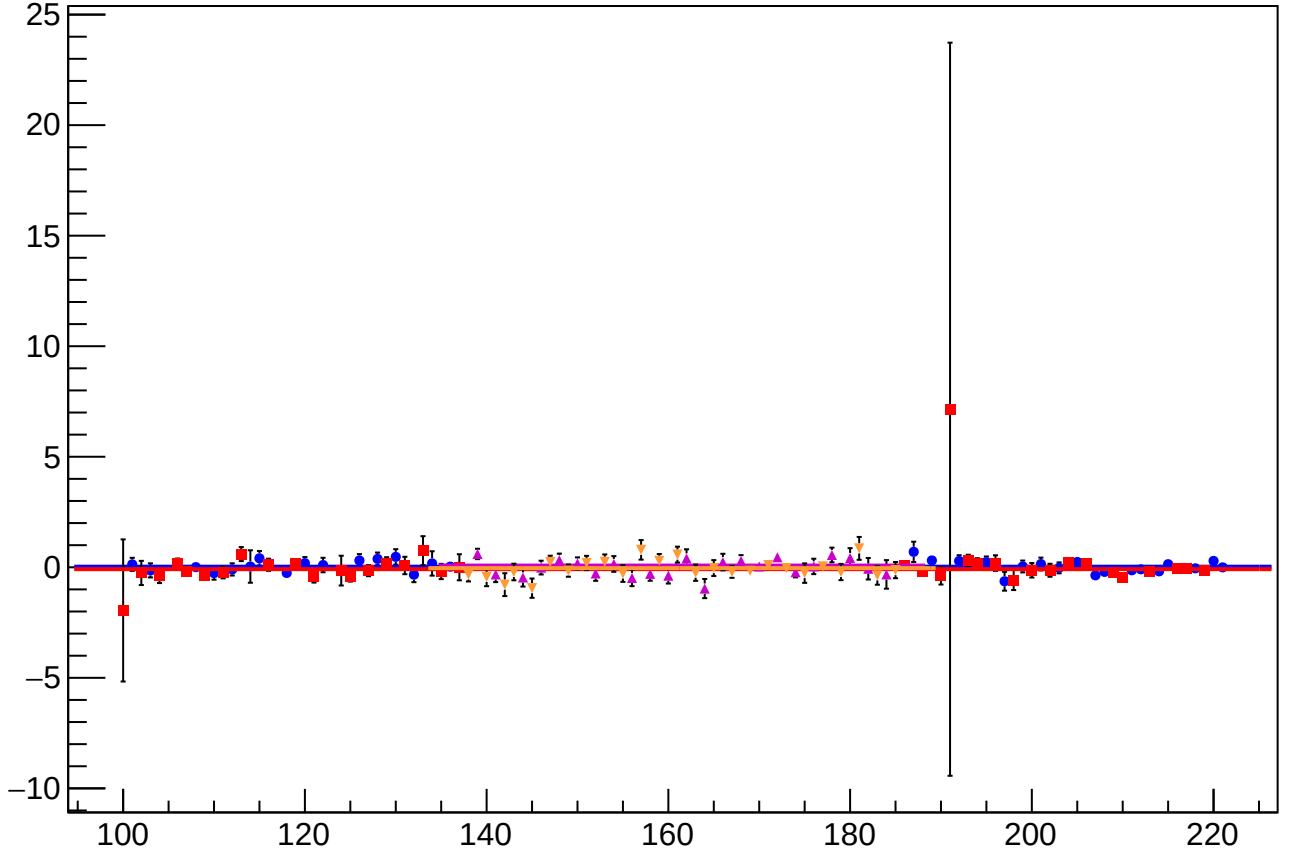
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 168.235+/-0.019 χ^2/NDF: 6901651.6/70

In: 194.700+/-0.023 χ^2/NDF:7800447.4/56

Out: 191.290+/-0.023 χ^2/NDF:10021031.7/61

All: 192.982+/-0.017 χ^2/NDF: 17832089.5/11



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: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

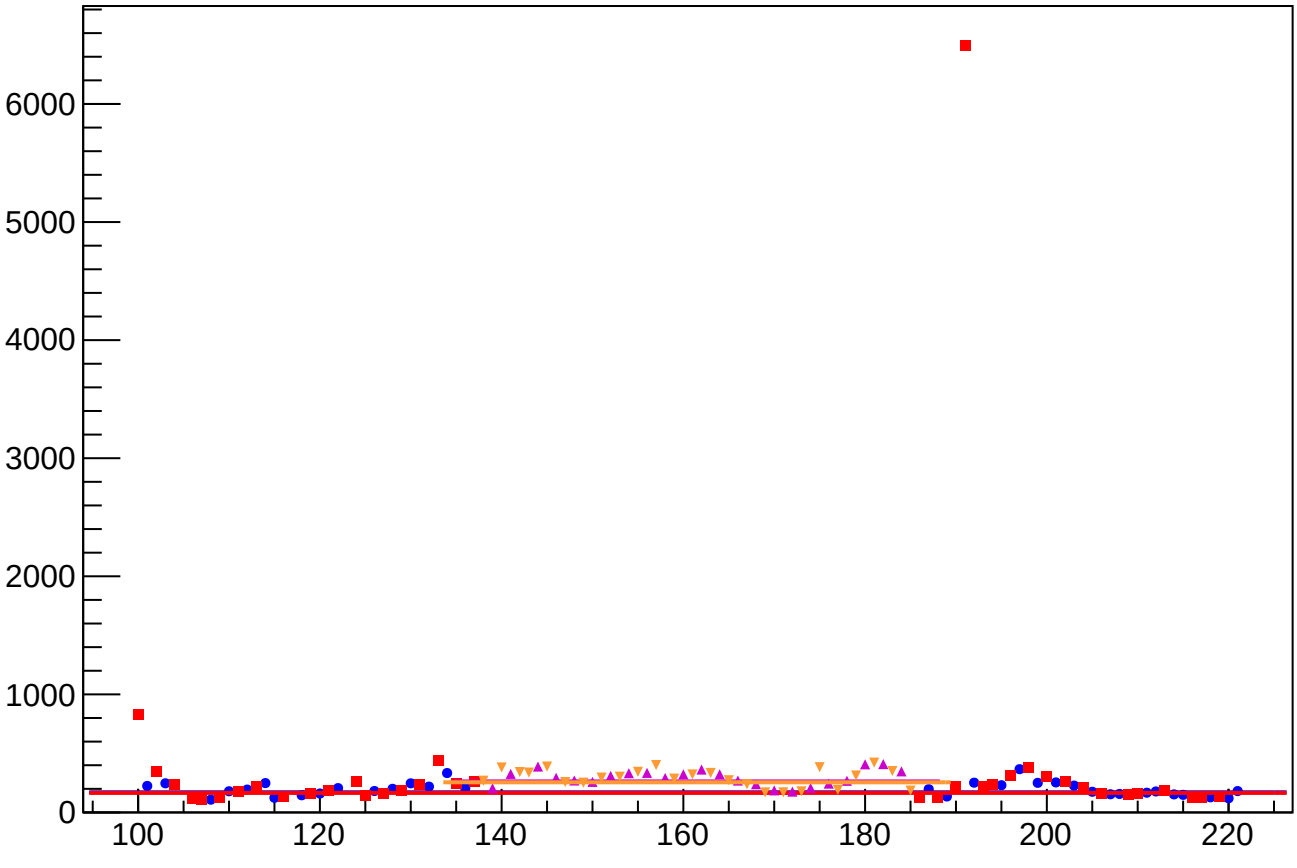
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.028+/-0.027 χ^2/NDF: 72.5/70

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.016+/-0.023 χ^2/NDF: 130.5/118



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: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

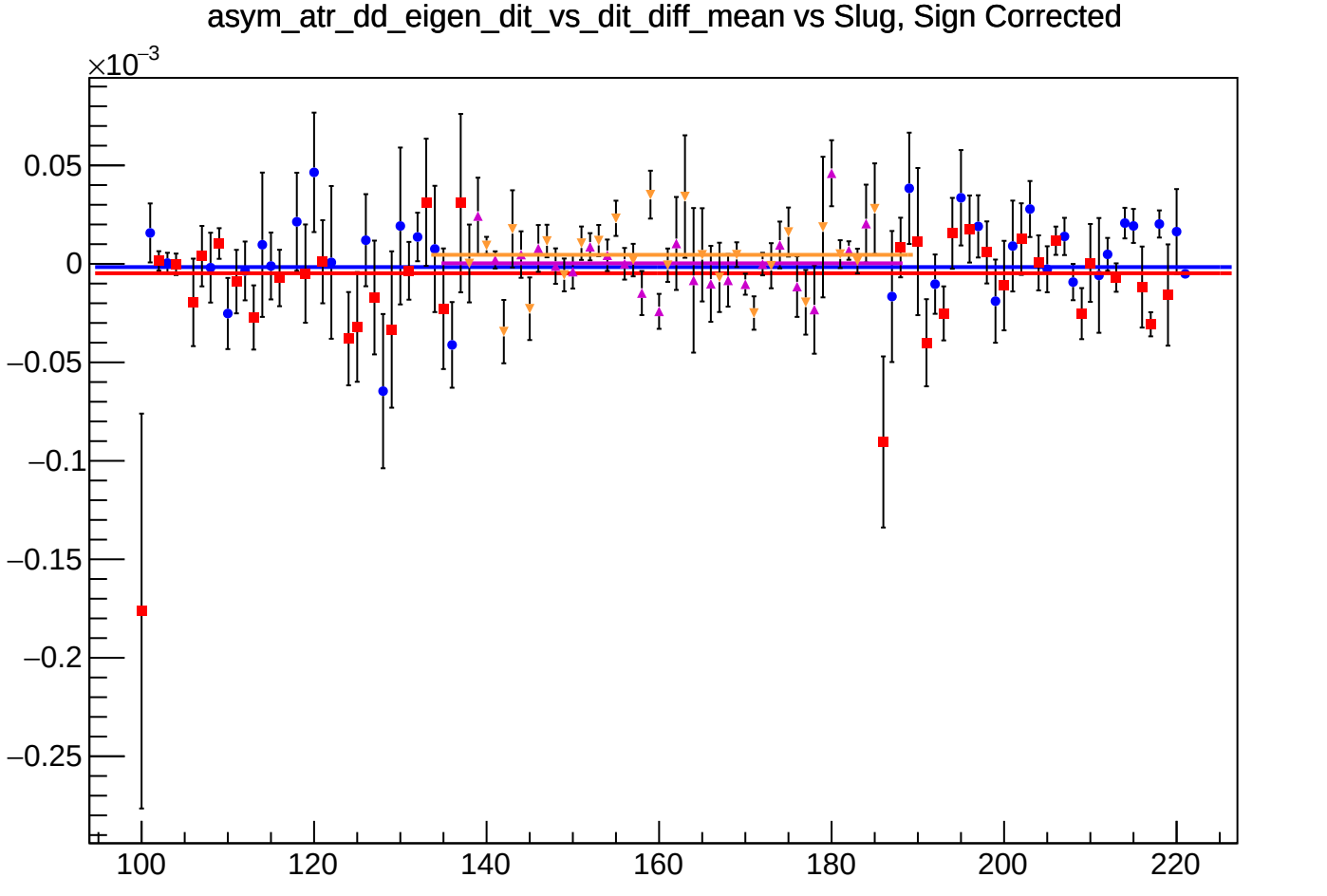
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 168.235+/-0.019 χ^2/NDF: 6901651.6/70

In: 194.700+/-0.023 χ^2/NDF:7800447.4/56

Out: 191.290+/-0.023 χ^2/NDF:10021031.7/61

All: 192.982+/-0.017 χ^2/NDF: 17832089.5/11



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: 58.0/36

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

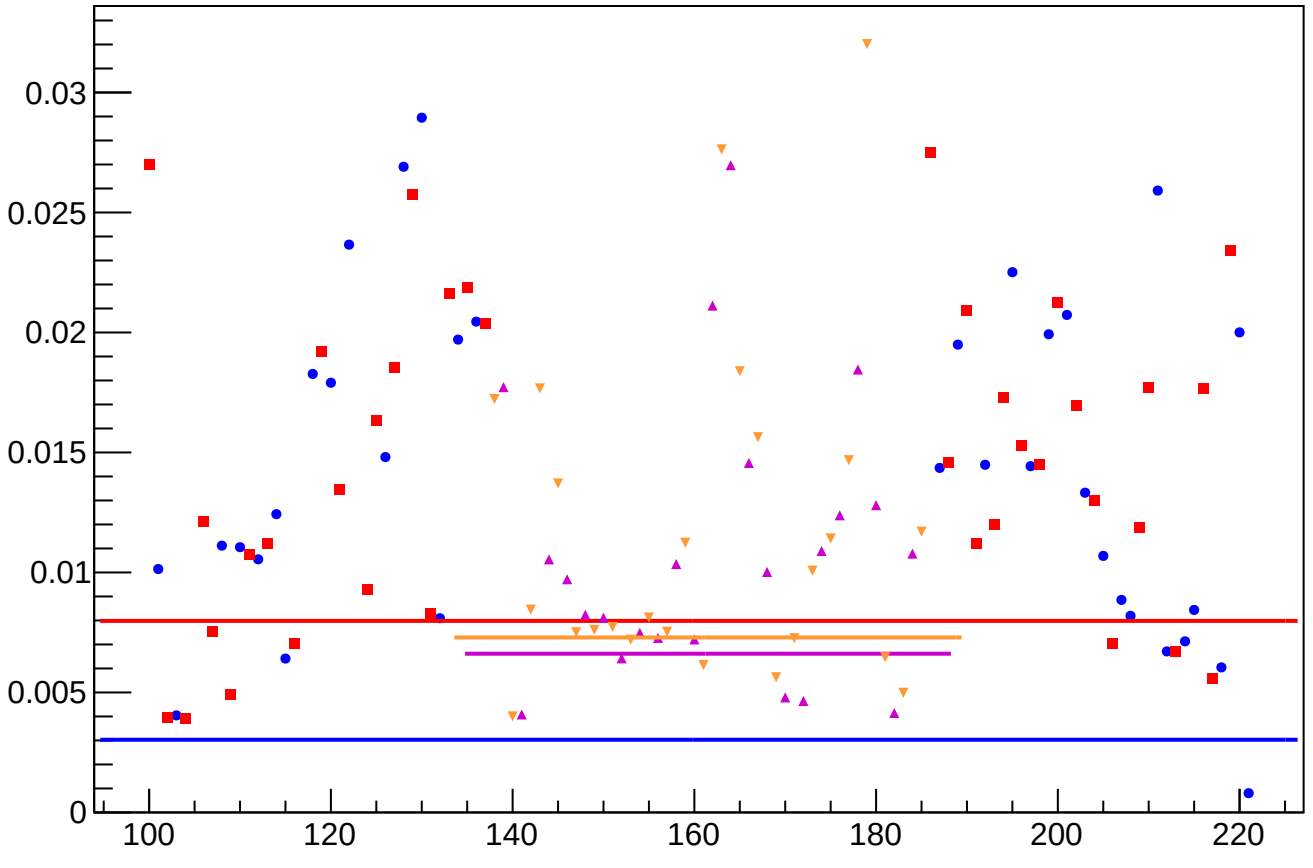
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 121.1/70

In: -0.000+/-0.000 χ^2/NDF:93.4/56

Out: 0.000+/-0.000 χ^2/NDF:112.6/61

All: -0.000+/-0.000 χ^2/NDF: 206.7/118



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: 0.008+/-0.000 χ^2/NDF: 11494380.7/36

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

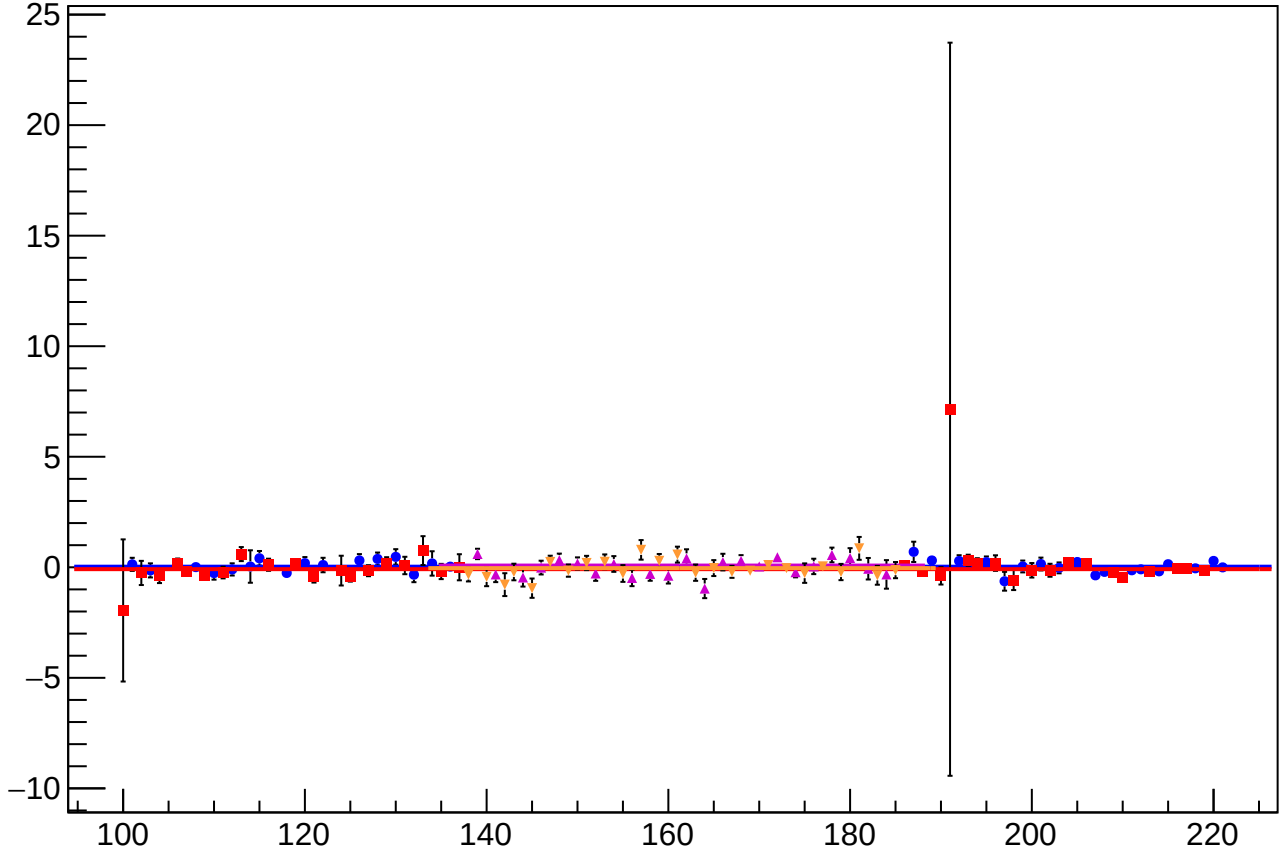
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.004+/-0.000 χ^2/NDF: 48206781.0/70

In: 0.004+/-0.000 χ^2/NDF:39942081.3/56

Out: 0.008+/-0.000 χ^2/NDF:18389679.1/61

All: 0.005+/-0.000 χ^2/NDF: 66714199.3/118



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: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

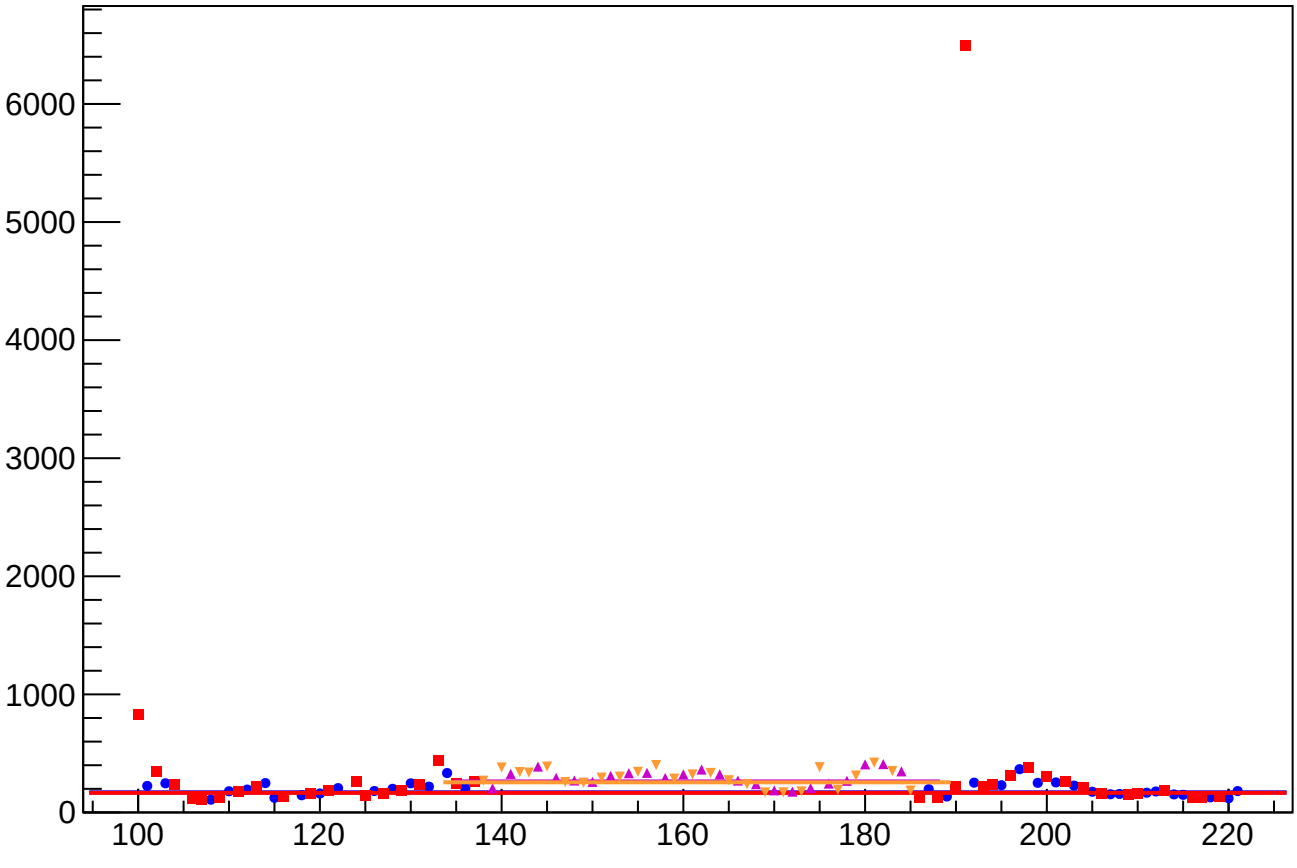
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.028+/-0.027 χ^2/NDF: 72.5/70

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.016+/-0.023 χ^2/NDF: 130.5/118



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: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

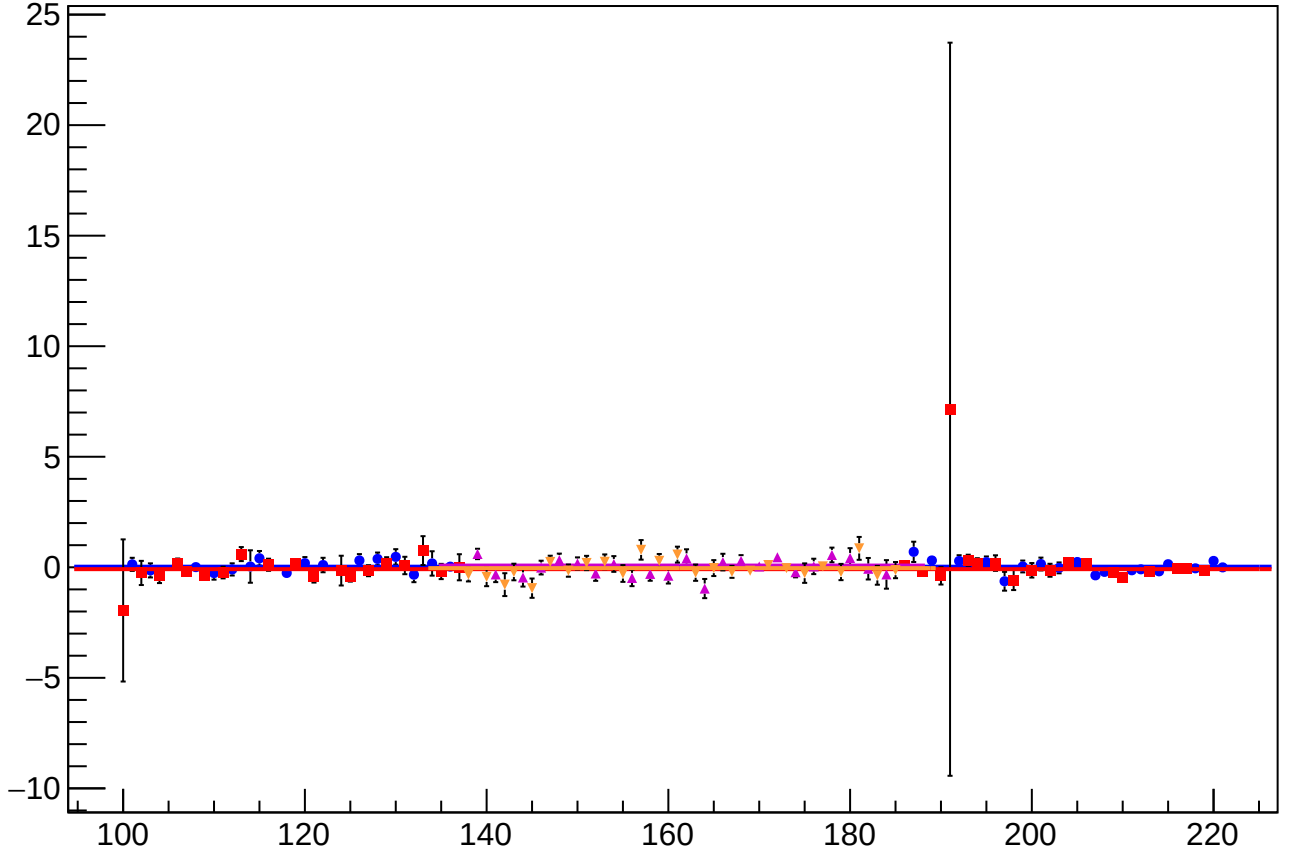
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 168.236+/-0.019 χ^2/NDF: 6901644.4/70

In: 194.700+/-0.023 χ^2/NDF:7800713.7/56

Out: 191.292+/-0.023 χ^2/NDF:10021064.3/61

All: 192.983+/-0.017 χ^2/NDF: 17832378.5/11



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: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

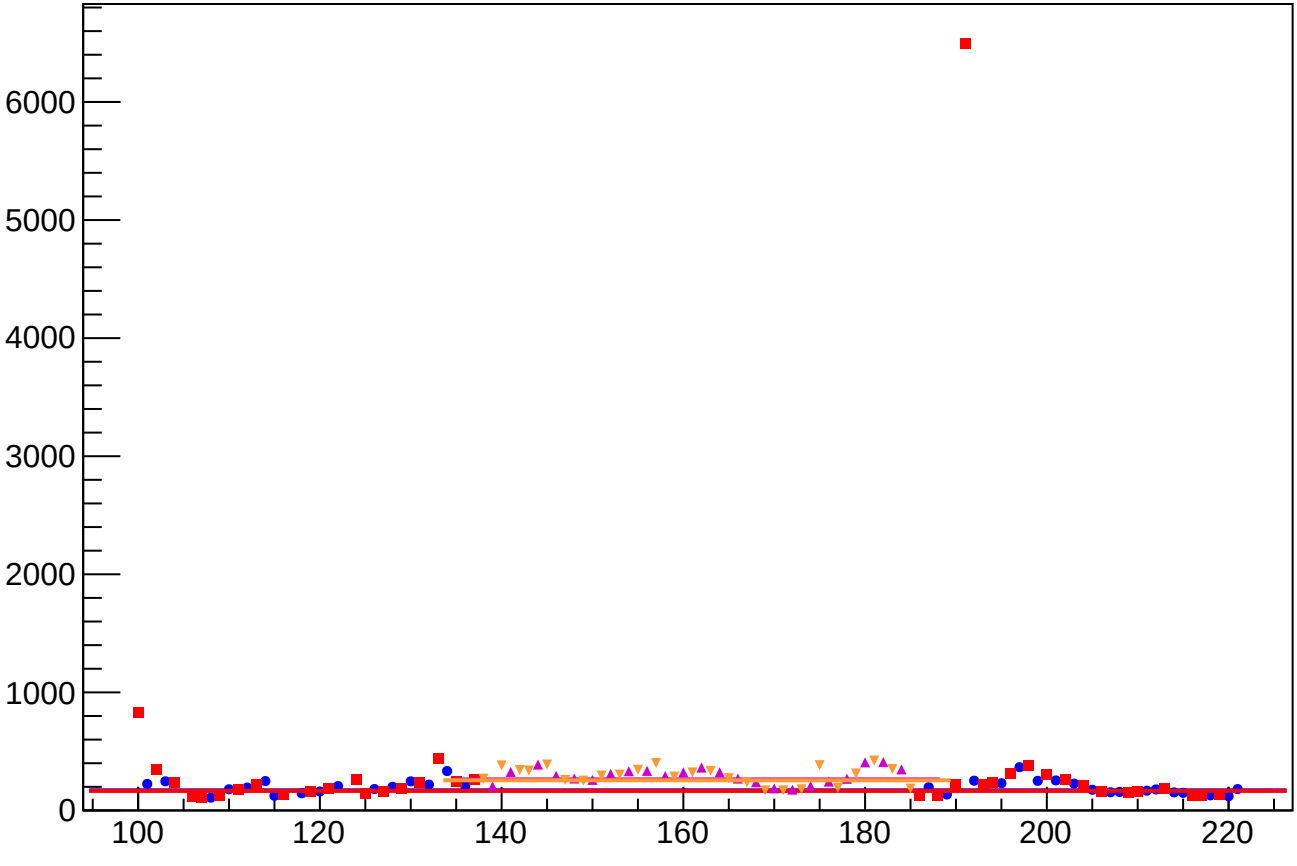
Right: -0.028+/-0.027 χ^2/NDF: 72.5/70

In: 0.040+/-0.033 χ^2/NDF:66.5/56

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.016+/-0.023 χ^2/NDF: 130.5/118

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

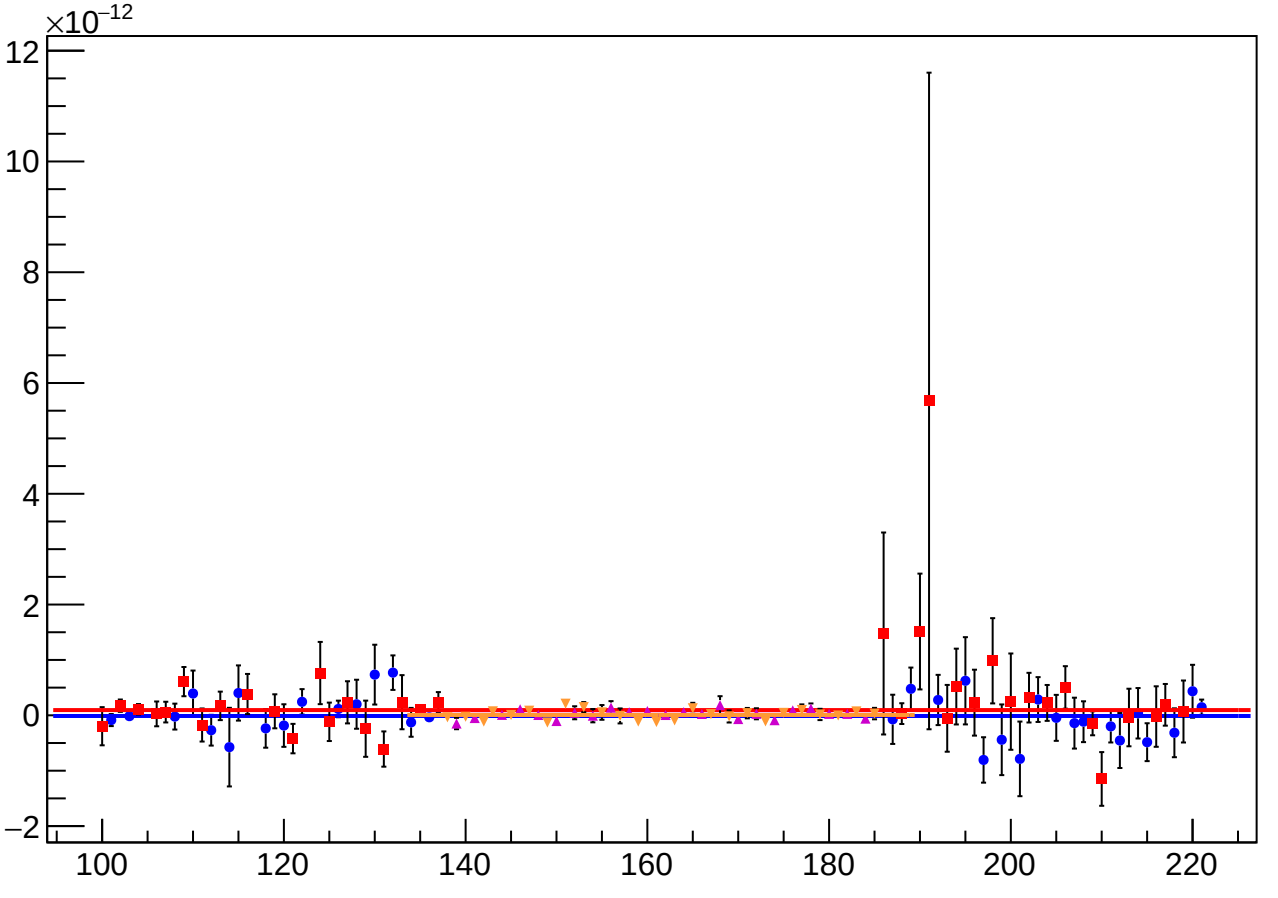
Right: 168.236+/-0.019 χ^2/NDF: 6901644.4/70

In: 194.700+/-0.023 χ^2/NDF:7800713.7/56

Out: 191.292+/-0.023 χ^2/NDF:10021064.3/61

All: 192.983+/-0.017 χ^2/NDF: 17832378.5/11

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 33.2/36

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

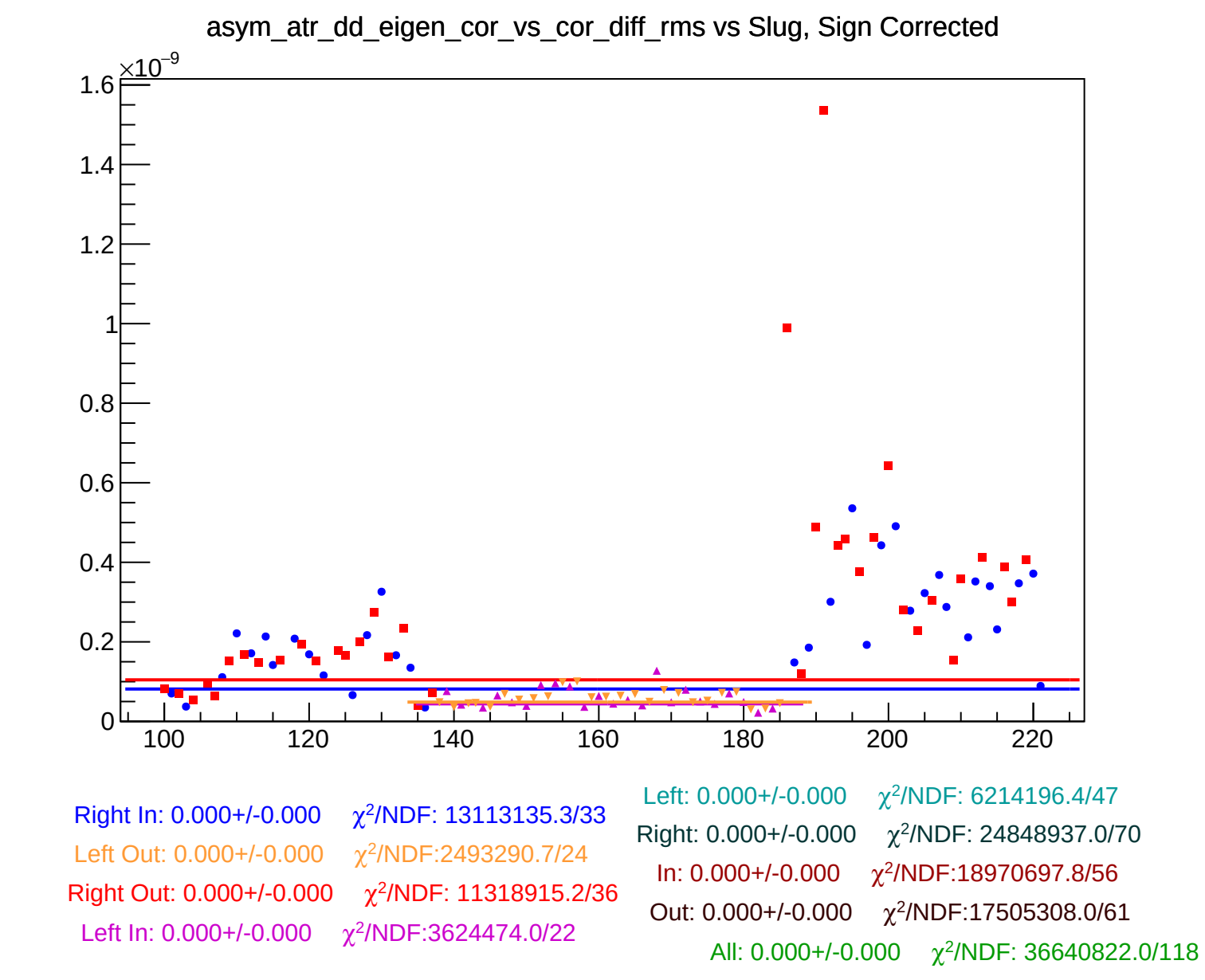
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 67.4/70

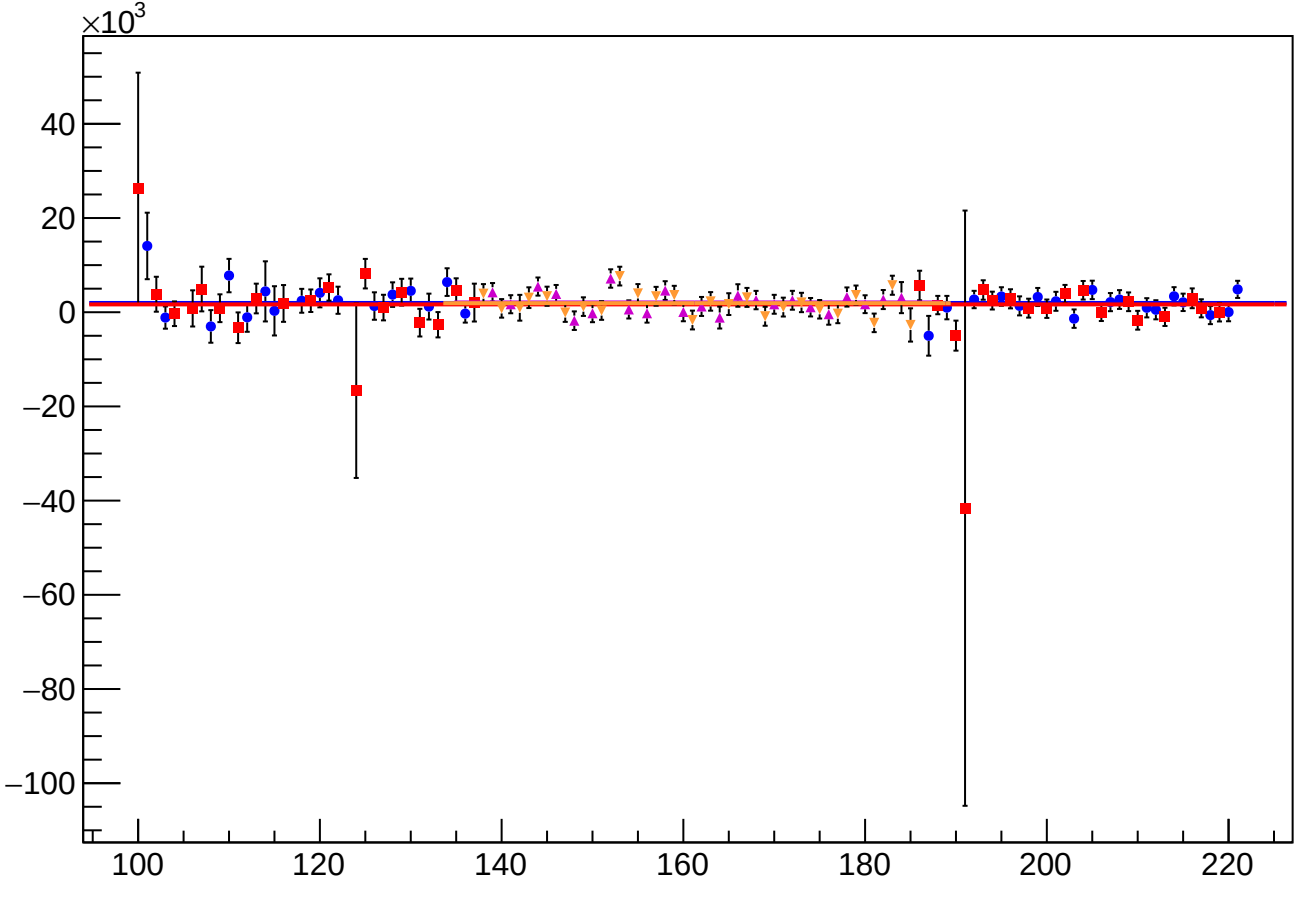
In: 0.000+/-0.000 χ^2/NDF:51.4/56

Out: 0.000+/-0.000 χ^2/NDF:68.3/61

All: 0.000+/-0.000 χ^2/NDF: 120.1/118


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 13113135.3/33
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11318915.2/36
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 24848937.0/70
In: 0.000+/-0.000 χ²/NDF:18970697.8/56
Out: 0.000+/-0.000 χ²/NDF:17505308.0/61
All: 0.000+/-0.000 χ²/NDF: 36640822.0/118

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: 1661.705+/-410.440 χ^2/NDF: 38.8/36

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

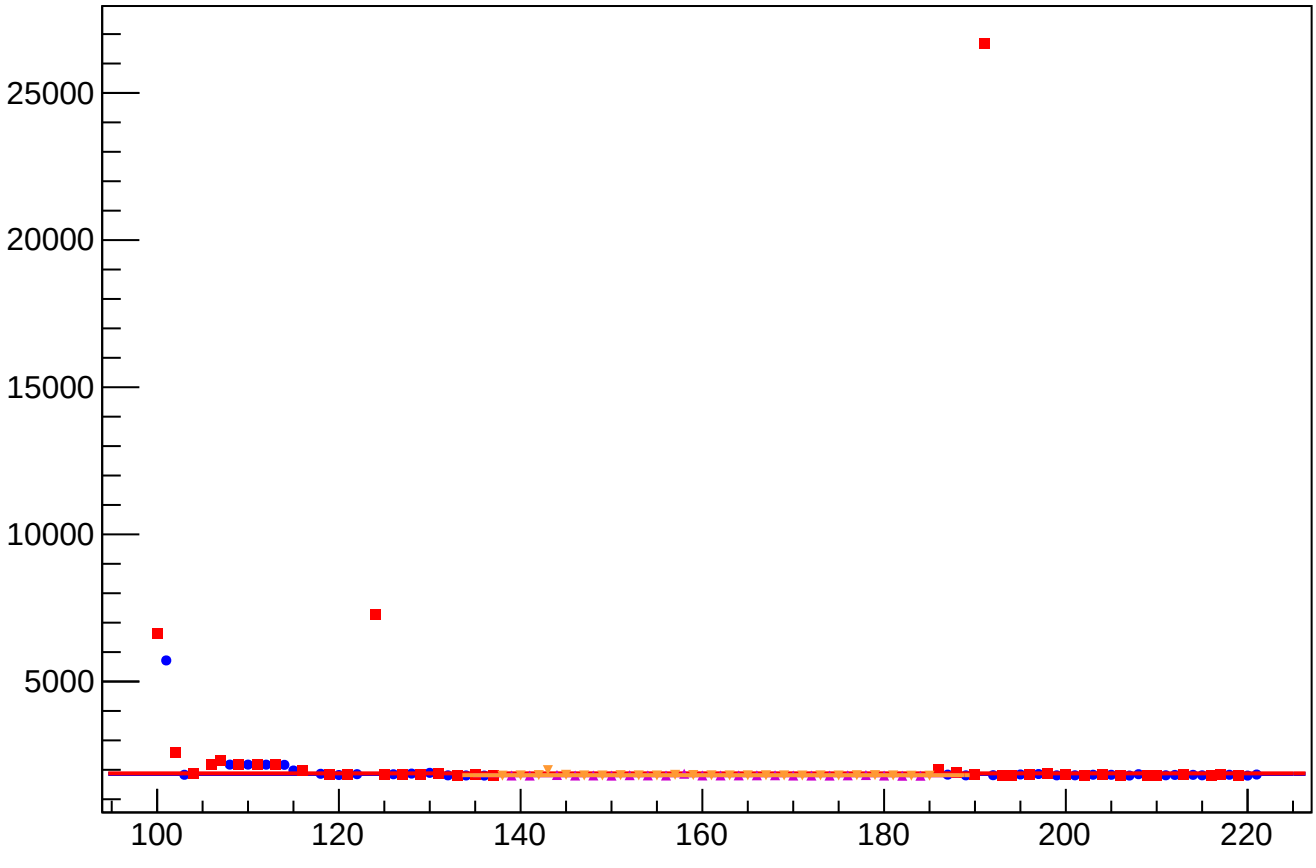
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 1817.852+/-285.843 χ^2/NDF: 71.3/70

In: 2016.251+/-290.052 χ^2/NDF:58.8/56

Out: 1790.386+/-291.096 χ^2/NDF:71.5/61

All: 1903.724+/-205.466 χ^2/NDF: 130.6/118



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: 1879.191+/-0.290 χ^2/NDF: 747904.7/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

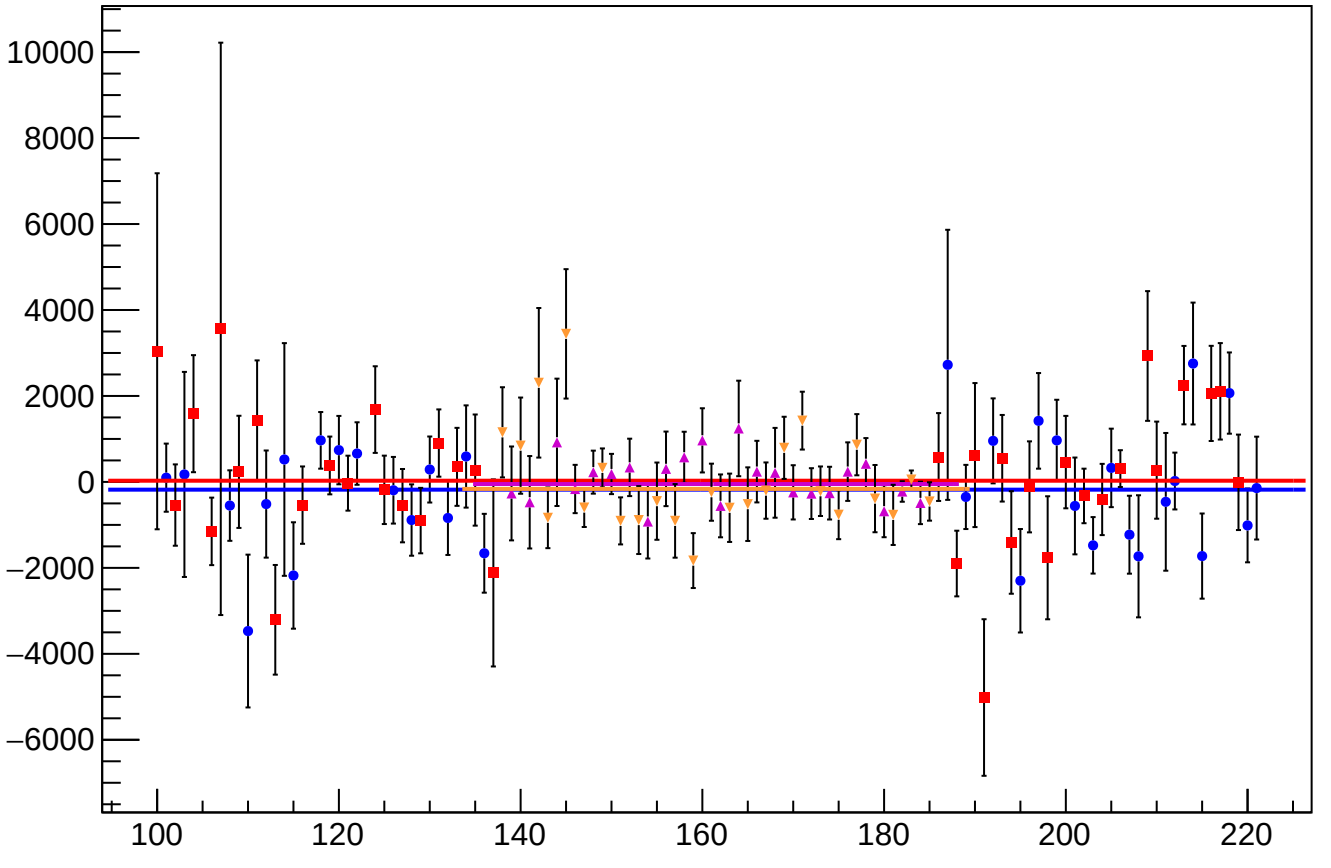
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1868.320+/-0.202 χ^2/NDF: 1423461.7/70

In: 1836.691+/-0.205 χ^2/NDF:687124.1/56

Out: 1848.543+/-0.206 χ^2/NDF:783298.1/61

All: 1842.596+/-0.145 χ^2/NDF: 1472085.8/11



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: 27.867+/-154.684 χ^2/NDF: 55.4/36

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

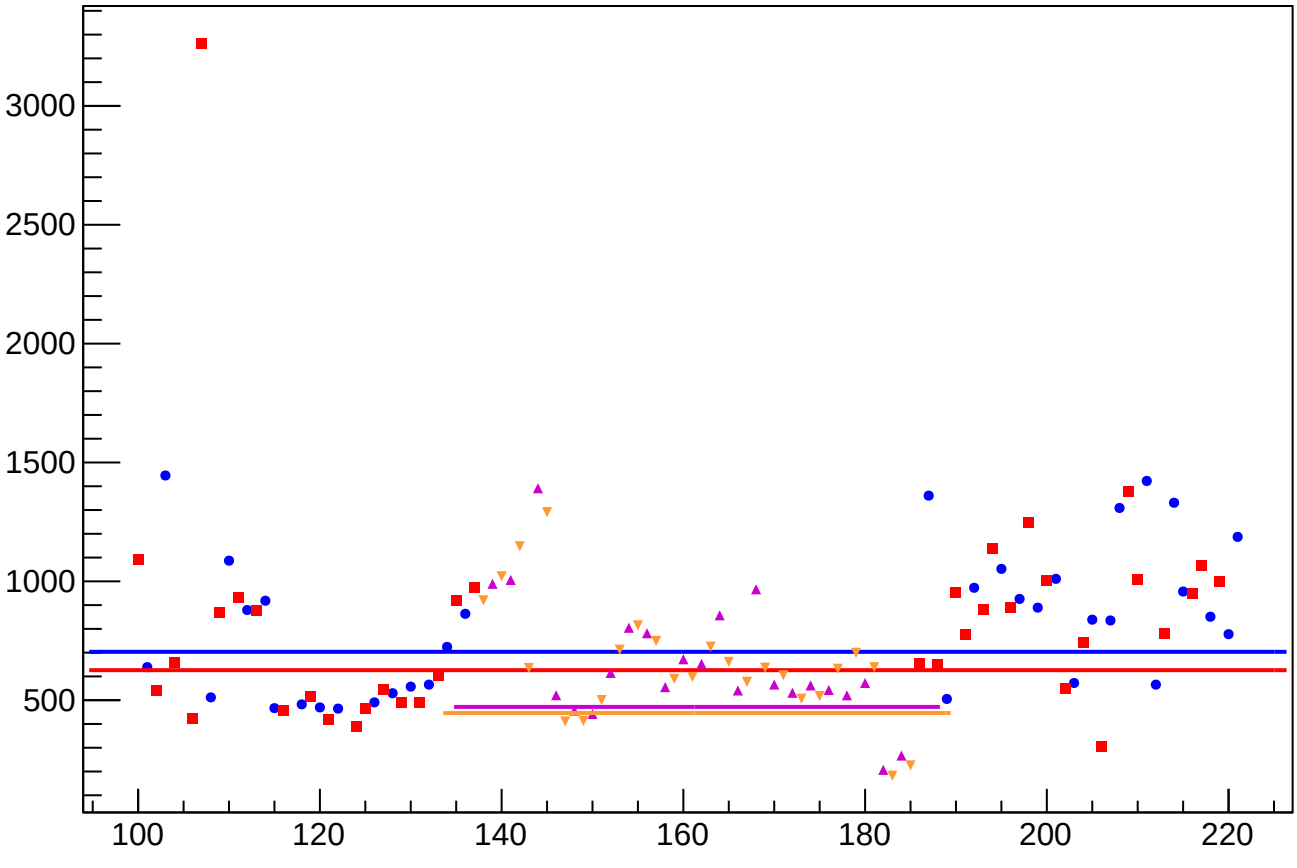
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -70.917+/-112.119 χ^2/NDF: 102.4/70

In: -96.753+/-97.969 χ^2/NDF:57.8/56

Out: -94.830+/-92.442 χ^2/NDF:93.2/61

All: -95.736+/-67.235 χ^2/NDF: 151.1/118



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: 626.221+/-0.109 χ^2/NDF: 5557747.4/36

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

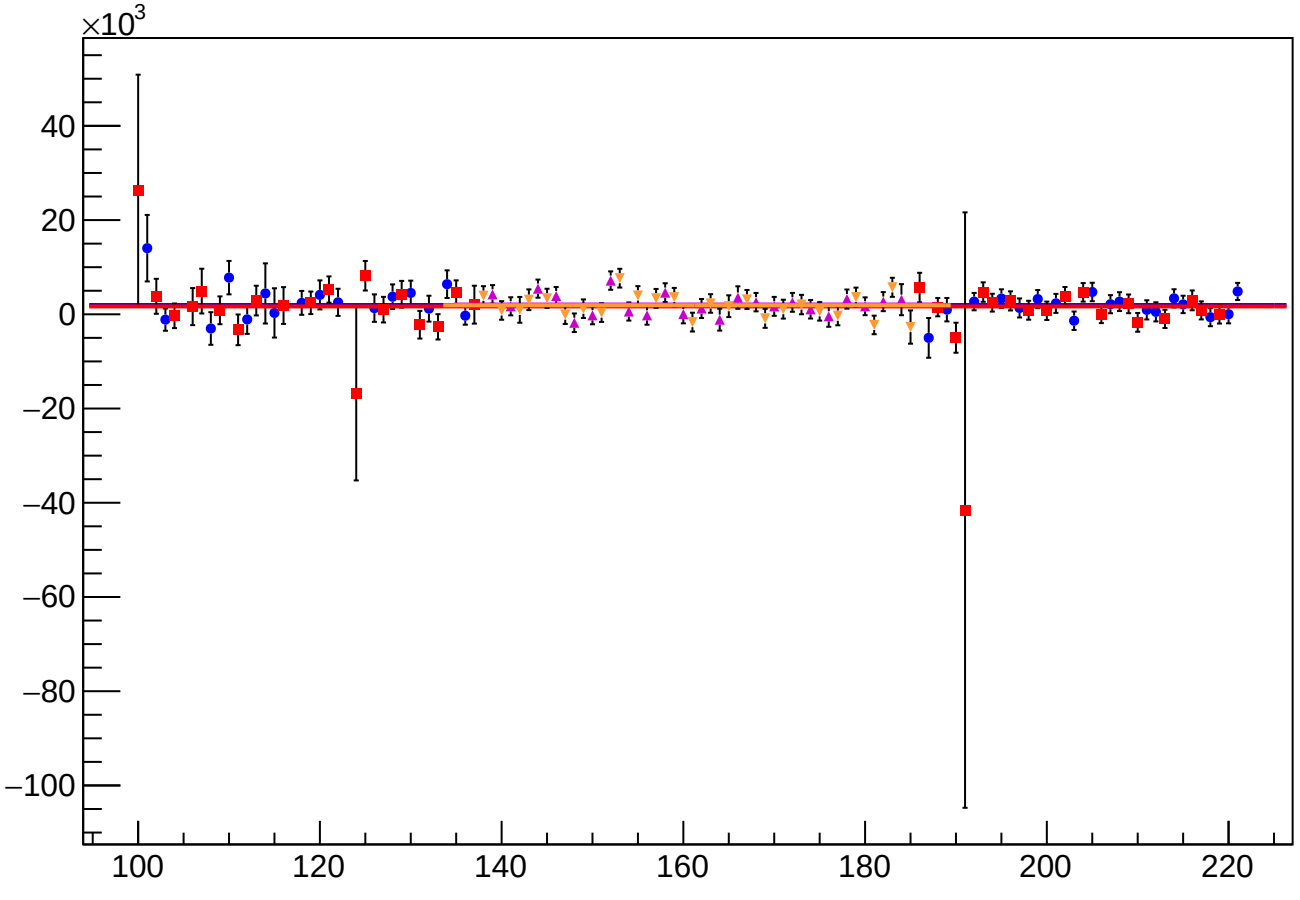
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 662.905+/-0.079 χ^2/NDF: 10149555.8/70

In: 555.735+/-0.069 χ^2/NDF:13354992.8/56

Out: 510.297+/-0.065 χ^2/NDF:15287553.3/61

All: 531.698+/-0.048 χ^2/NDF: 28870136.2/11



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: 1671.197+/-410.552 χ^2/NDF: 38.7/36

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

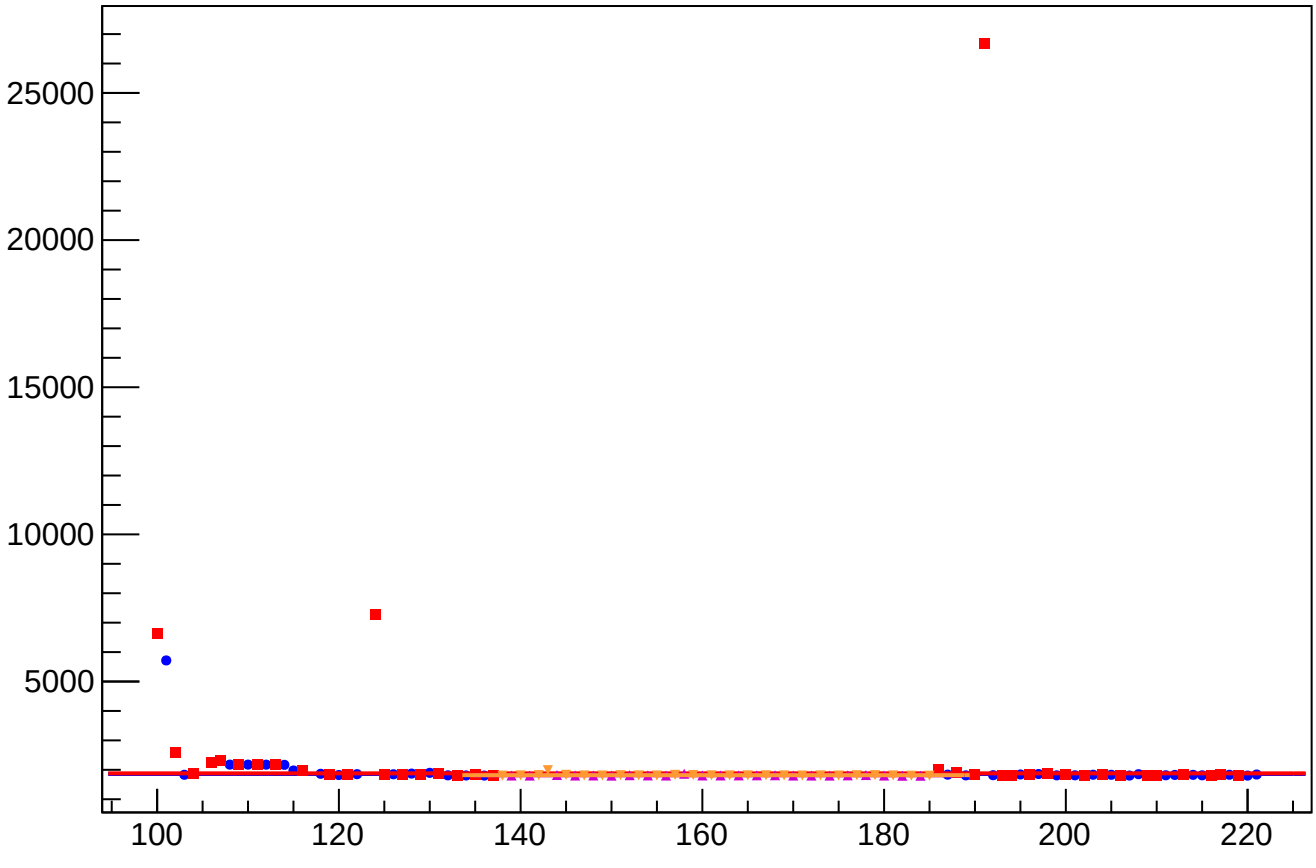
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1822.425+/-285.881 χ^2/NDF: 71.2/70

In: 2016.226+/-290.052 χ^2/NDF:58.8/56

Out: 1795.177+/-291.136 χ^2/NDF:71.4/61

All: 1906.113+/-205.480 χ^2/NDF: 130.5/118



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: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

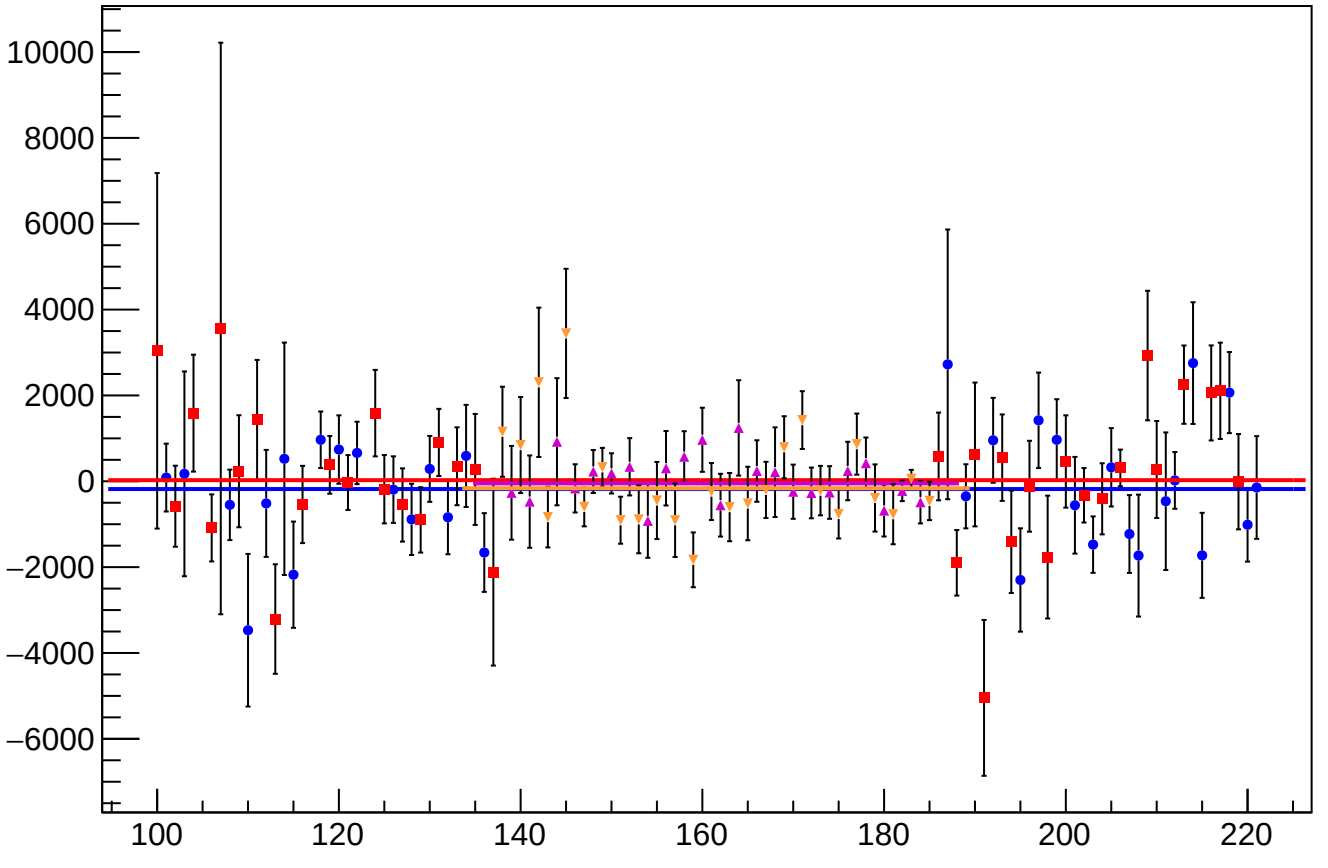
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1868.502+/-0.202 χ^2/NDF: 1427362.4/70

In: 1836.691+/-0.205 χ^2/NDF:687124.0/56

Out: 1848.726+/-0.206 χ^2/NDF:787372.4/61

All: 1842.686+/-0.145 χ^2/NDF: 1476211.6/11



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: 26.115+/-154.631 χ^2/NDF: 55.1/36

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

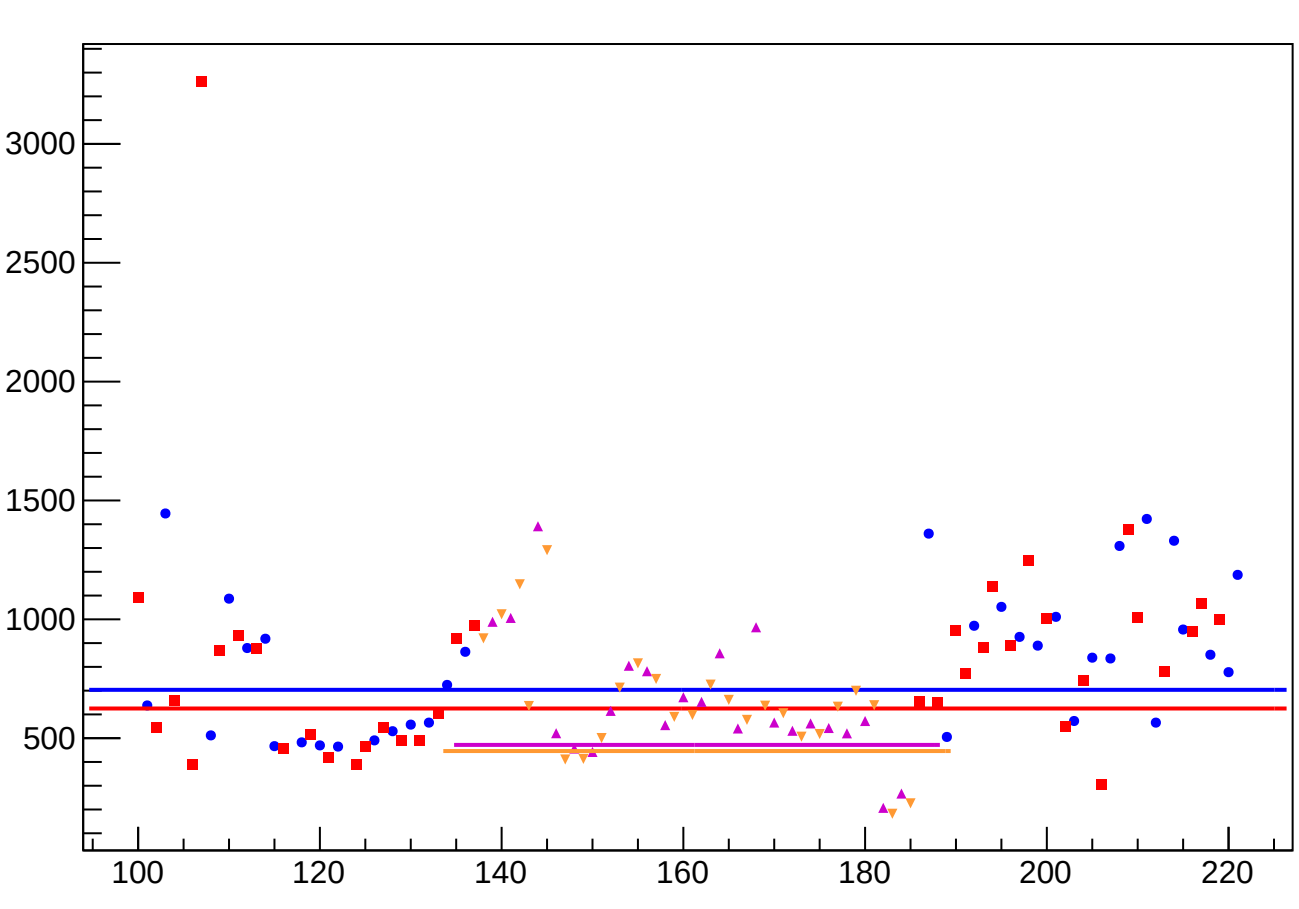
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -72.021+/-112.093 χ^2/NDF: 102.0/70

In: -96.932+/-97.967 χ^2/NDF:57.8/56

Out: -95.375+/-92.429 χ^2/NDF:92.9/61

All: -96.108+/-67.230 χ^2/NDF: 150.7/118



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: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

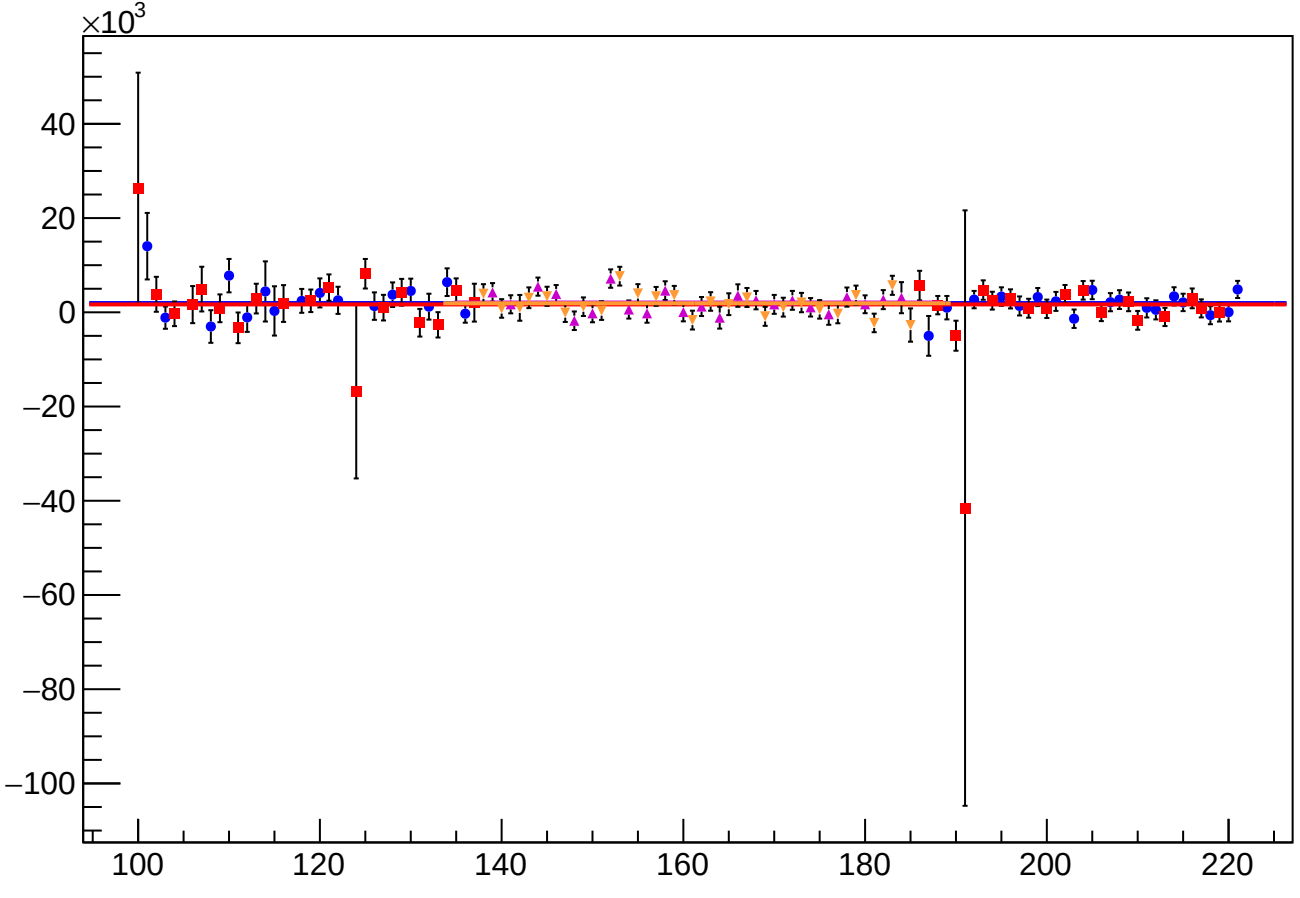
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 662.161+/-0.079 χ^2/NDF: 10207174.1/70

In: 555.730+/-0.069 χ^2/NDF:13353917.1/56

Out: 509.828+/-0.065 χ^2/NDF:15313514.4/61

All: 531.445+/-0.048 χ^2/NDF: 28899721.3/11



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: 1671.197+/-410.552 χ^2/NDF: 38.7/36

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

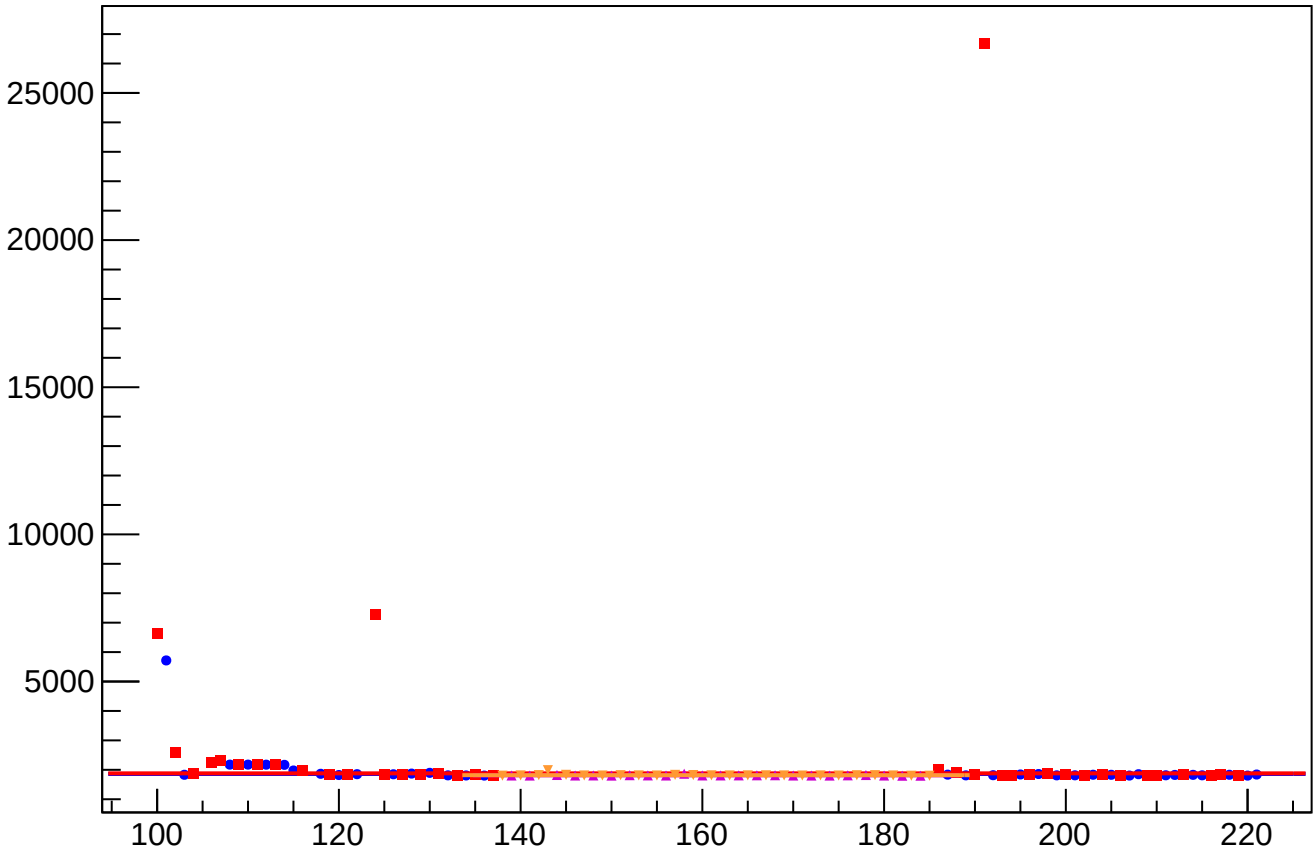
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1822.425+/-285.881 χ^2/NDF: 71.2/70

In: 2016.226+/-290.052 χ^2/NDF:58.8/56

Out: 1795.177+/-291.136 χ^2/NDF:71.4/61

All: 1906.113+/-205.480 χ^2/NDF: 130.5/118



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: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

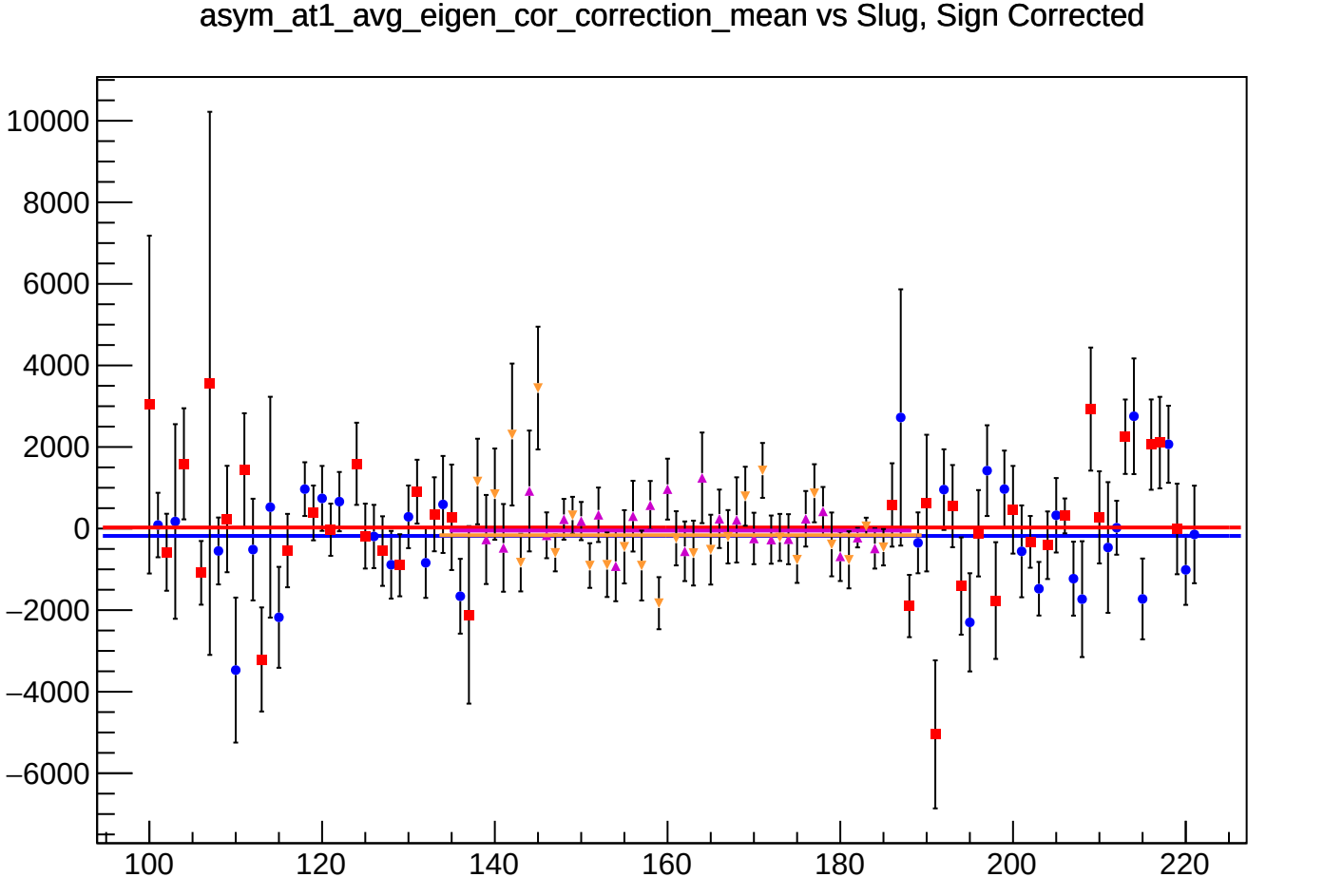
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1868.502+/-0.202 χ^2/NDF: 1427362.4/70

In: 1836.691+/-0.205 χ^2/NDF:687124.0/56

Out: 1848.726+/-0.206 χ^2/NDF:787372.4/61

All: 1842.686+/-0.145 χ^2/NDF: 1476211.6/11



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: 26.115+/-154.631 χ^2/NDF: 55.1/36

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

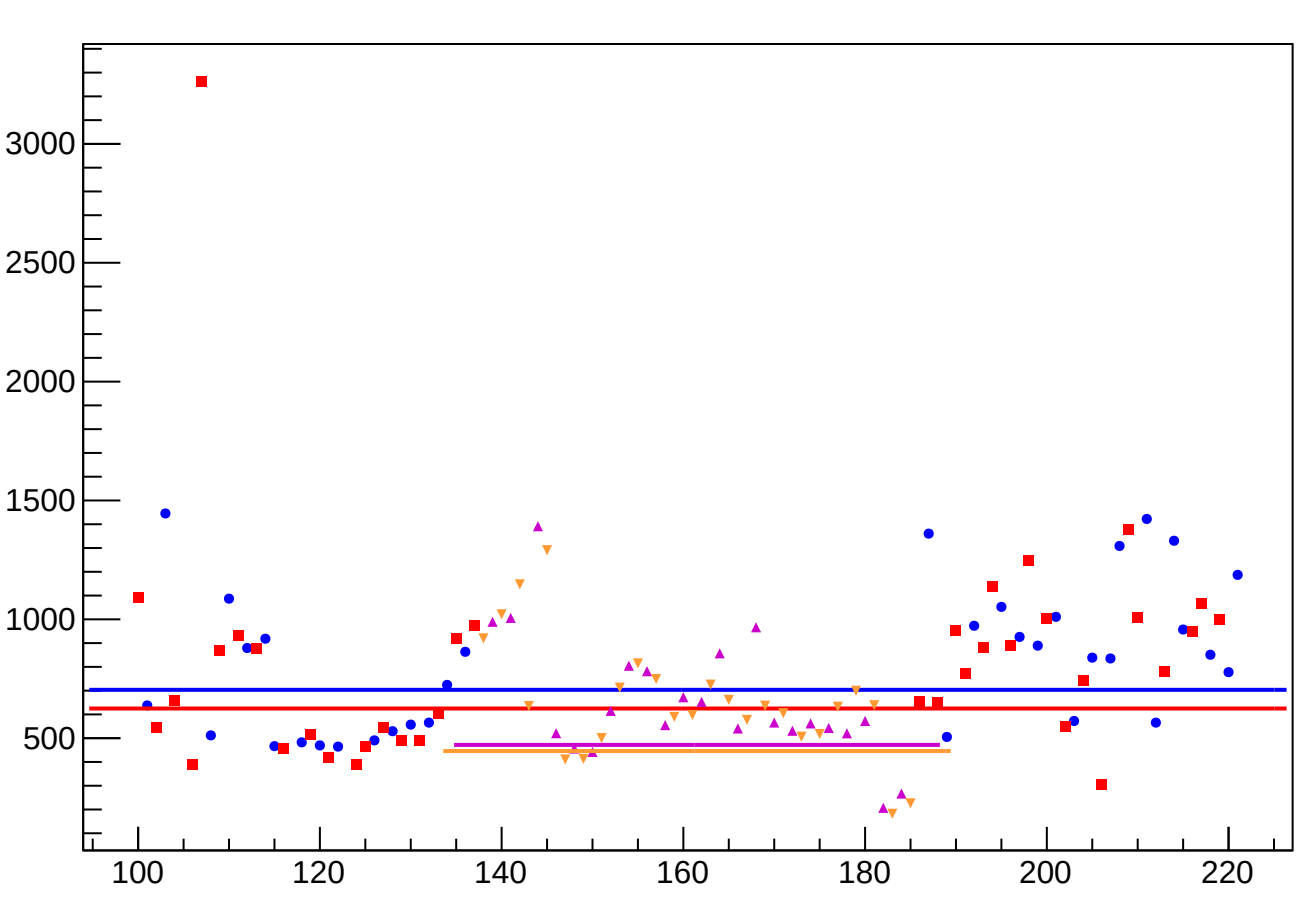
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -72.021+/-112.093 χ^2/NDF: 102.0/70

In: -96.932+/-97.967 χ^2/NDF:57.8/56

Out: -95.375+/-92.429 χ^2/NDF:92.9/61

All: -96.108+/-67.230 χ^2/NDF: 150.7/118



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: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

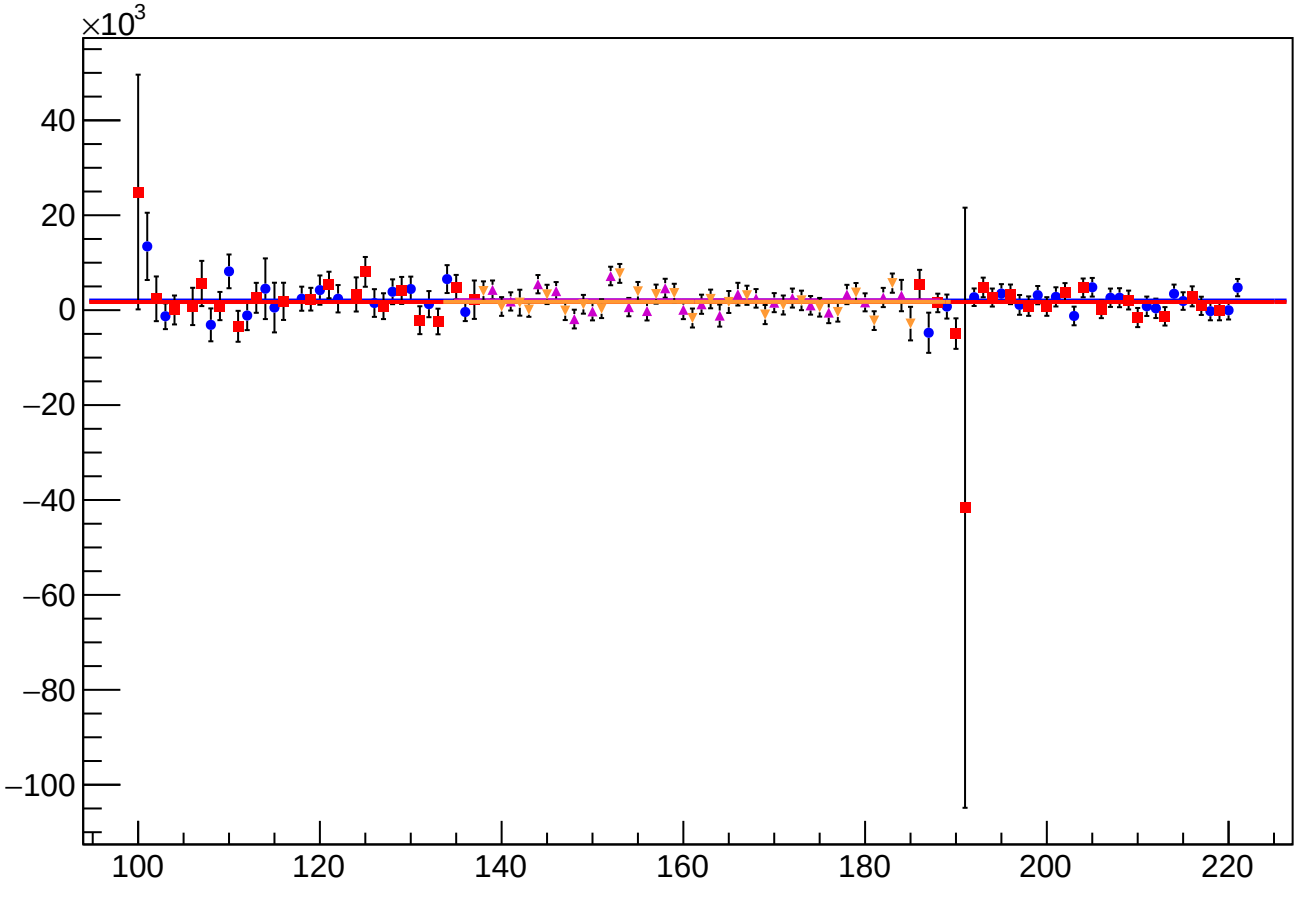
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 662.161+/-0.079 χ^2/NDF: 10207174.1/70

In: 555.730+/-0.069 χ^2/NDF:13353917.1/56

Out: 509.828+/-0.065 χ^2/NDF:15313514.4/61

All: 531.445+/-0.048 χ^2/NDF: 28899721.3/11



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: 1717.597+/-412.578 χ^2/NDF: 37.0/36

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

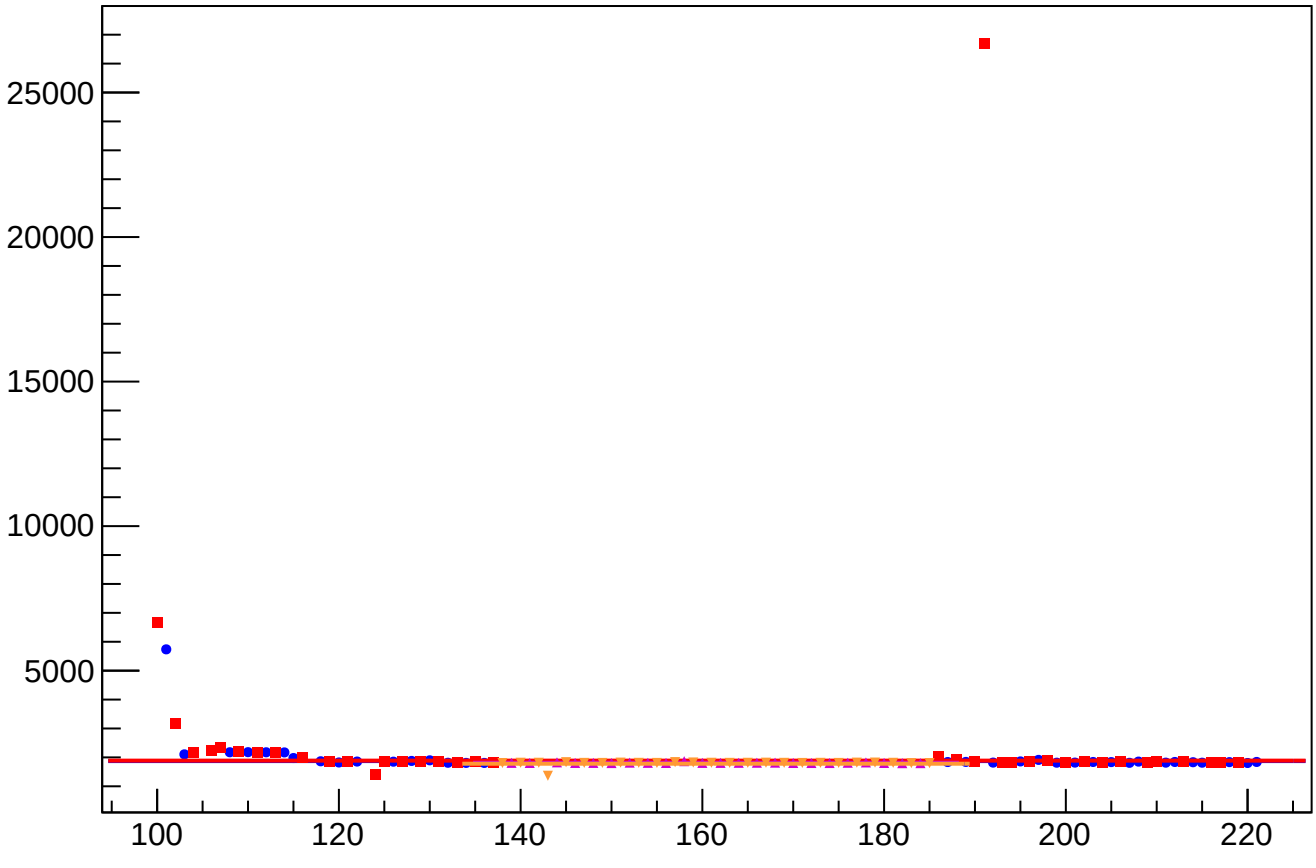
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

Right: 1876.451+/-287.721 χ^2/NDF: 69.2/70

In: 2048.892+/-291.398 χ^2/NDF:58.9/56

Out: 1736.877+/-289.166 χ^2/NDF:70.8/61

All: 1891.685+/-205.256 χ^2/NDF: 130.3/118



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: 1887.699+/-0.292 χ^2/NDF: 705752.0/36

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

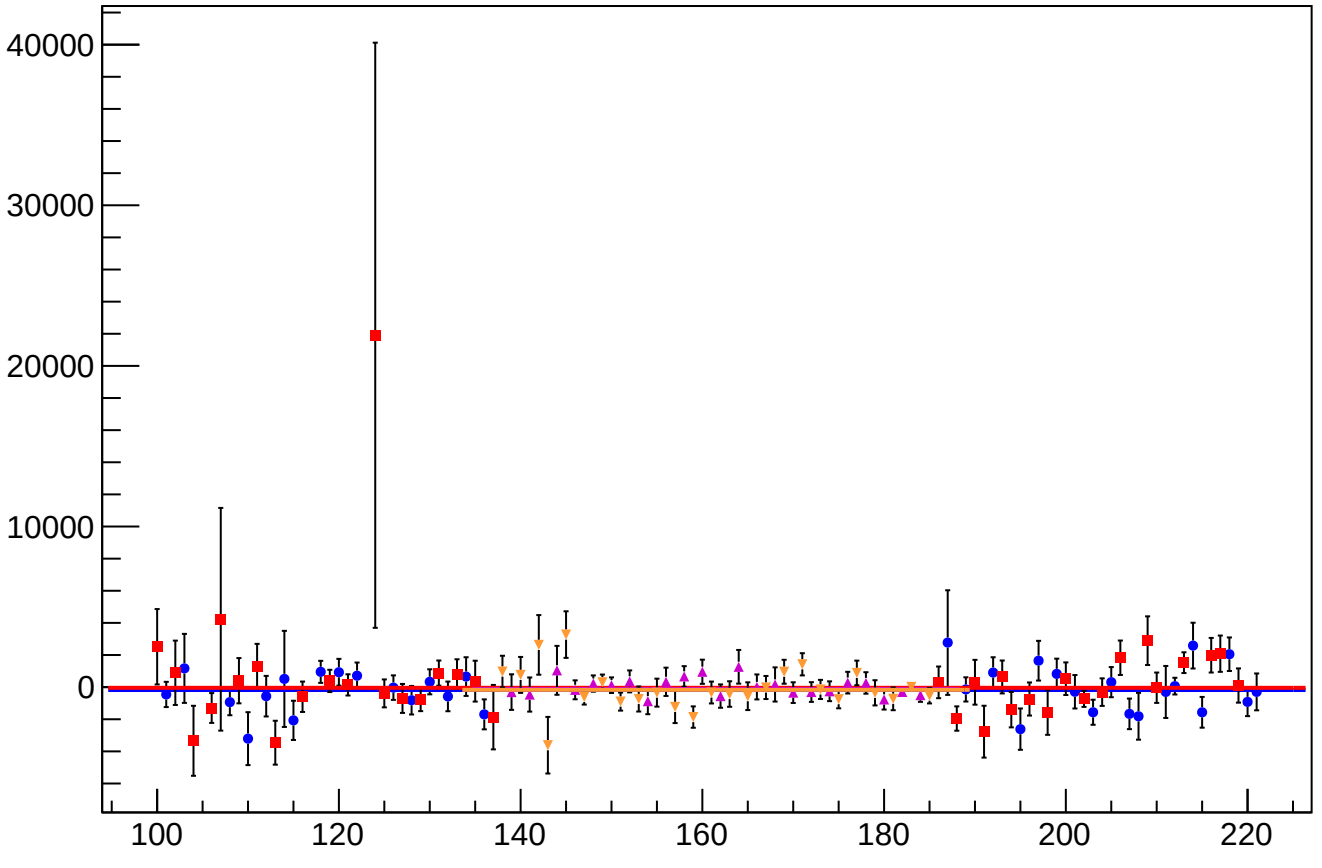
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1879.730+/-0.203 χ^2/NDF: 1394415.4/70

In: 1844.863+/-0.206 χ^2/NDF:708887.5/56

Out: 1833.369+/-0.204 χ^2/NDF:938854.6/61

All: 1839.072+/-0.145 χ^2/NDF: 1649309.8/11



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: -42.273+/-163.031 χ^2/NDF: 55.5/36

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

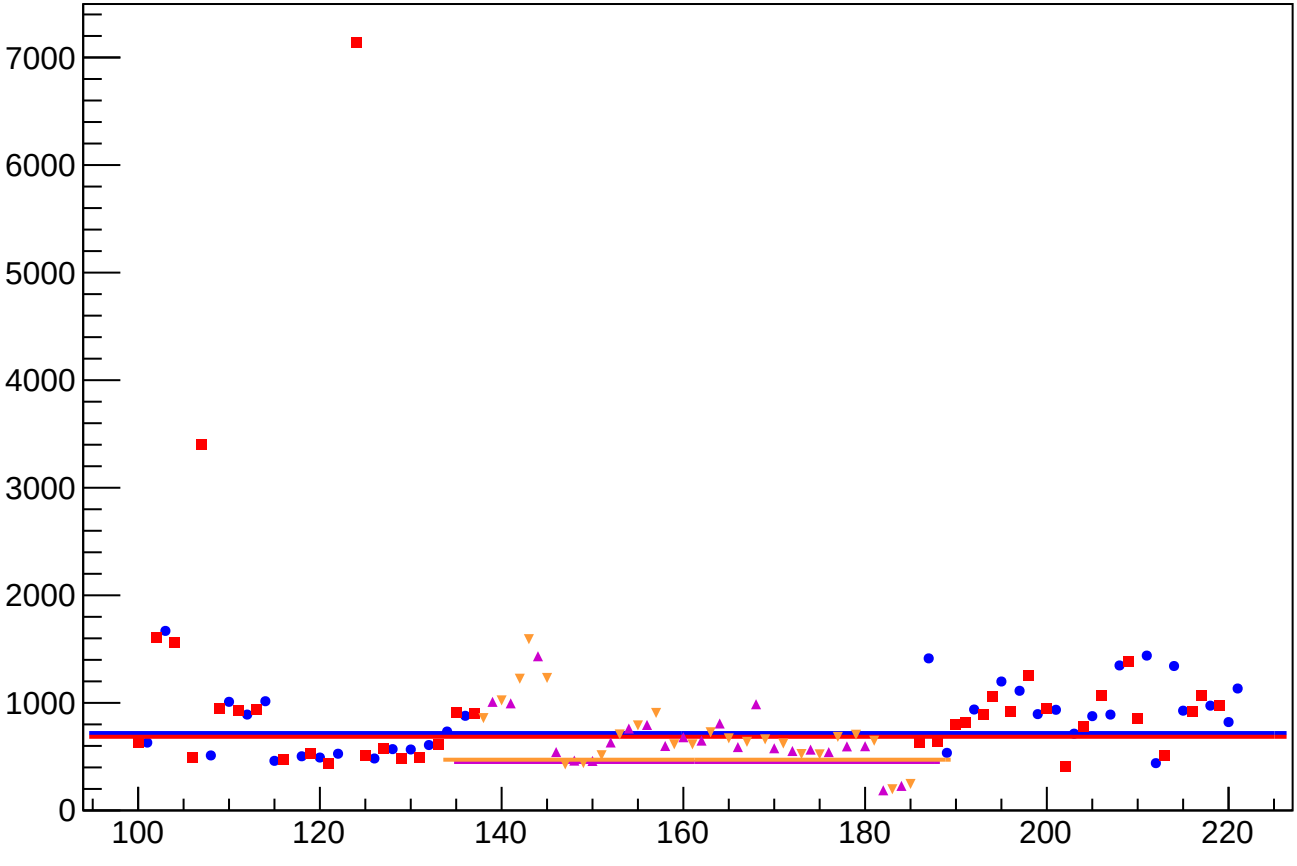
Right: -110.225+/-115.746 χ^2/NDF: 100.5/70

In: -138.742+/-96.796 χ^2/NDF:57.1/56

Out: -122.986+/-97.488 χ^2/NDF:94.2/61

All: -130.920+/-68.688 χ^2/NDF: 151.3/118

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: 684.877+/-0.115 χ^2/NDF: 5509203.4/36

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

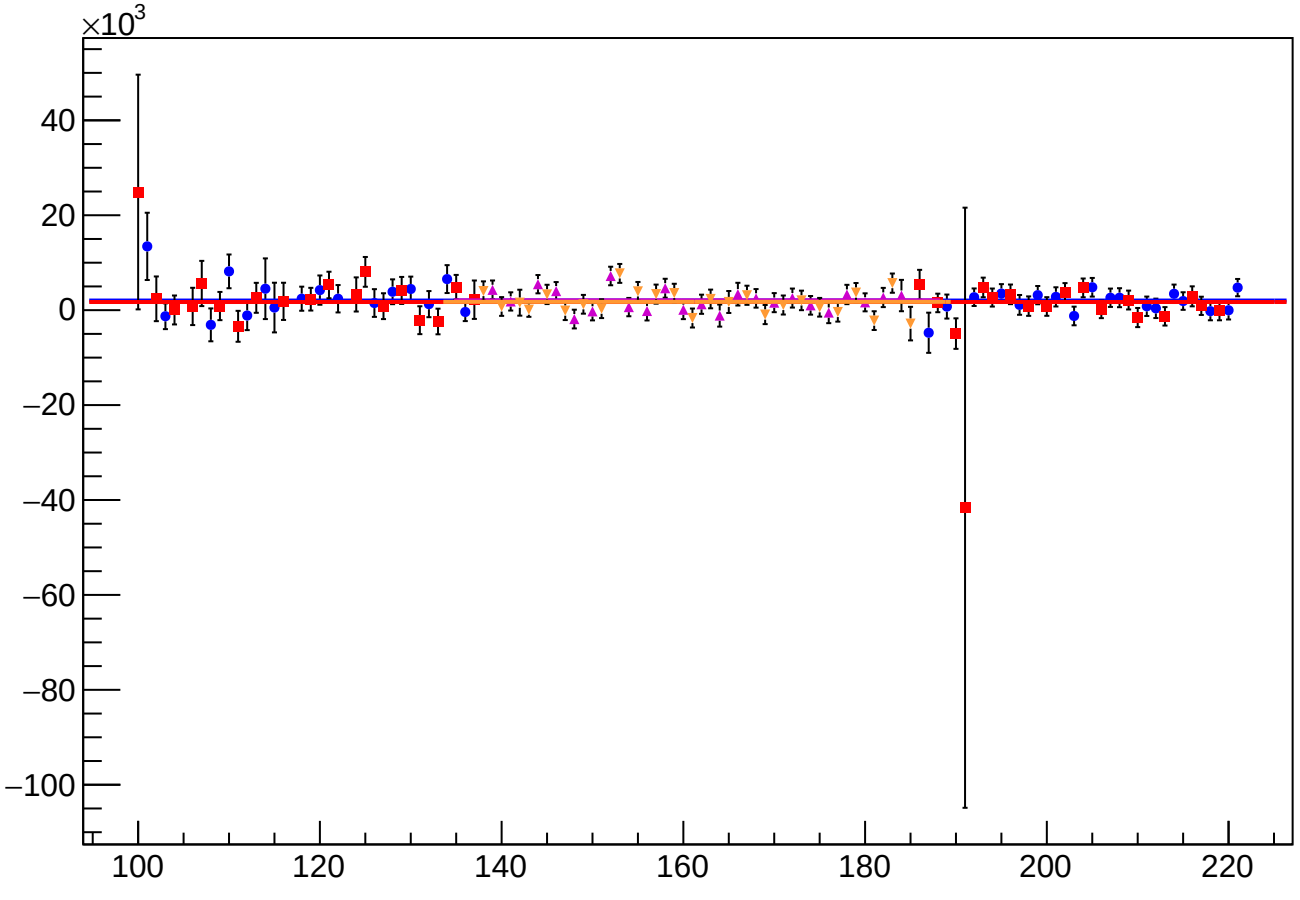
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 702.061+/-0.082 χ^2/NDF: 10479562.2/70

In: 543.912+/-0.068 χ^2/NDF:16349828.8/56

Out: 547.974+/-0.069 χ^2/NDF:15817118.4/61

All: 545.929+/-0.049 χ^2/NDF: 32168696.0/11



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: 1717.595+/-412.578 χ^2/NDF: 37.0/36

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

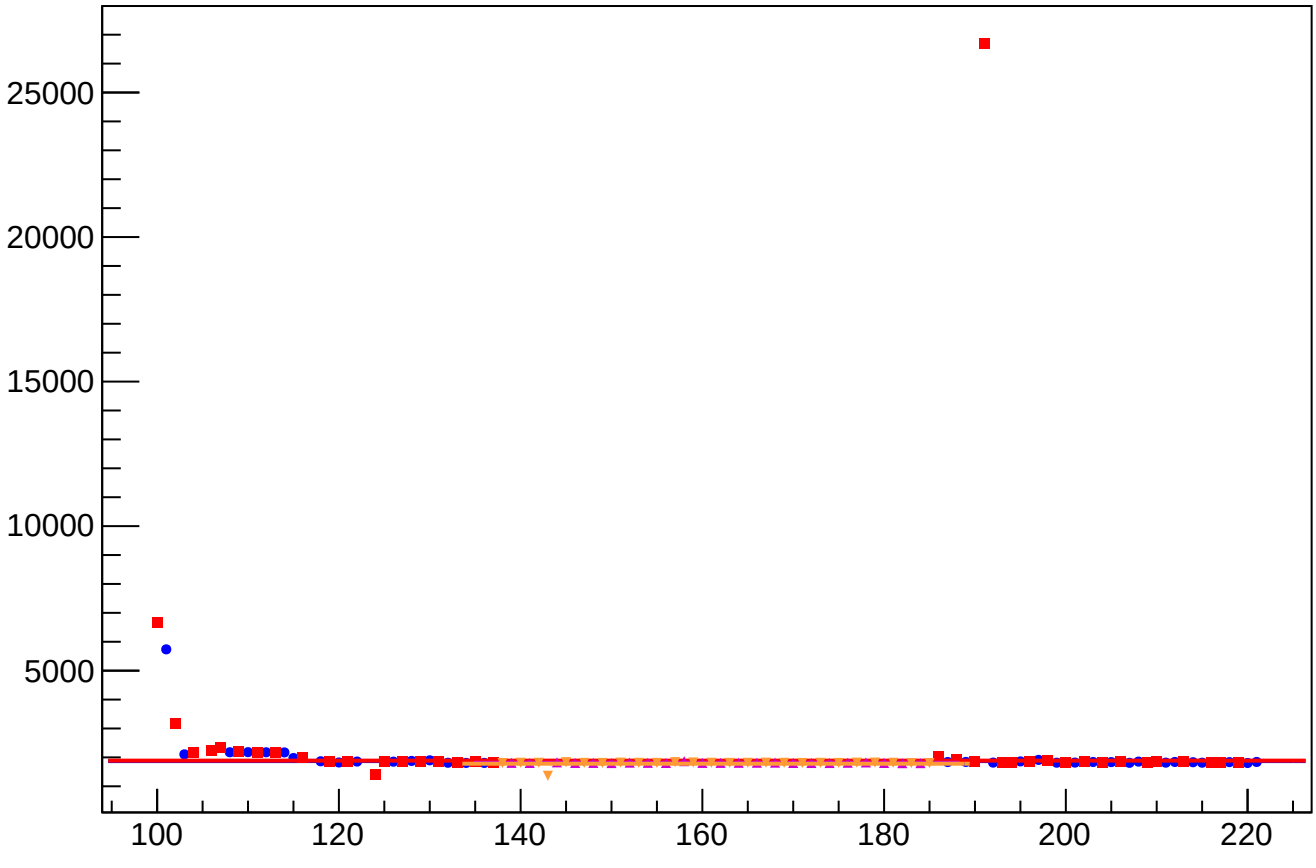
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1876.450+/-287.721 χ^2/NDF: 69.2/70

In: 2048.892+/-291.398 χ^2/NDF:58.9/56

Out: 1736.877+/-289.166 χ^2/NDF:70.8/61

All: 1891.685+/-205.256 χ^2/NDF: 130.3/118



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: 1887.698+/-0.292 χ^2/NDF: 705750.6/36

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

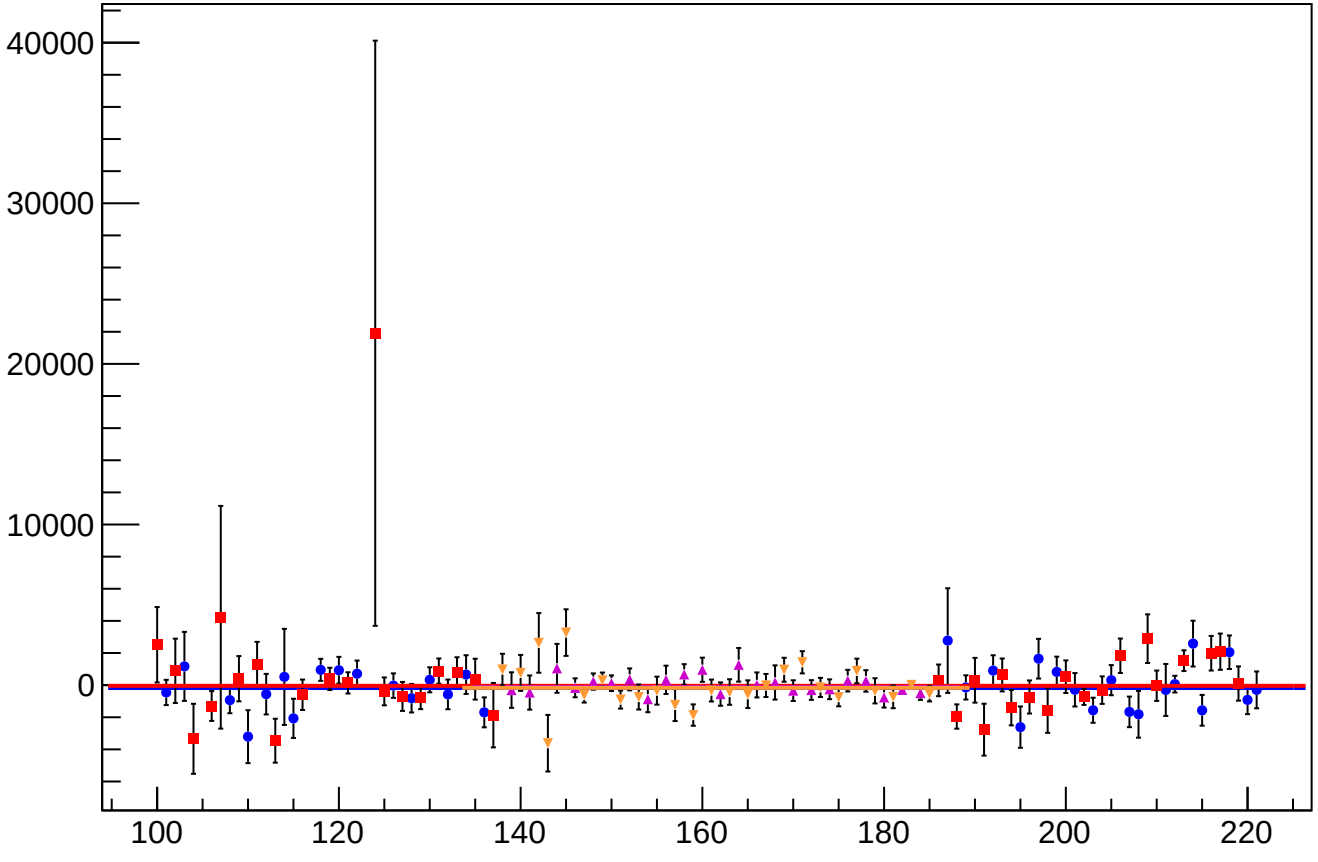
Right: 1879.730+/-0.203 χ^2/NDF: 1394413.5/70

In: 1844.863+/-0.206 χ^2/NDF:708887.1/56

Out: 1833.369+/-0.204 χ^2/NDF:938853.0/61

All: 1839.072+/-0.145 χ^2/NDF: 1649307.8/11

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: -42.274+/-163.031 χ^2/NDF: 55.5/36

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

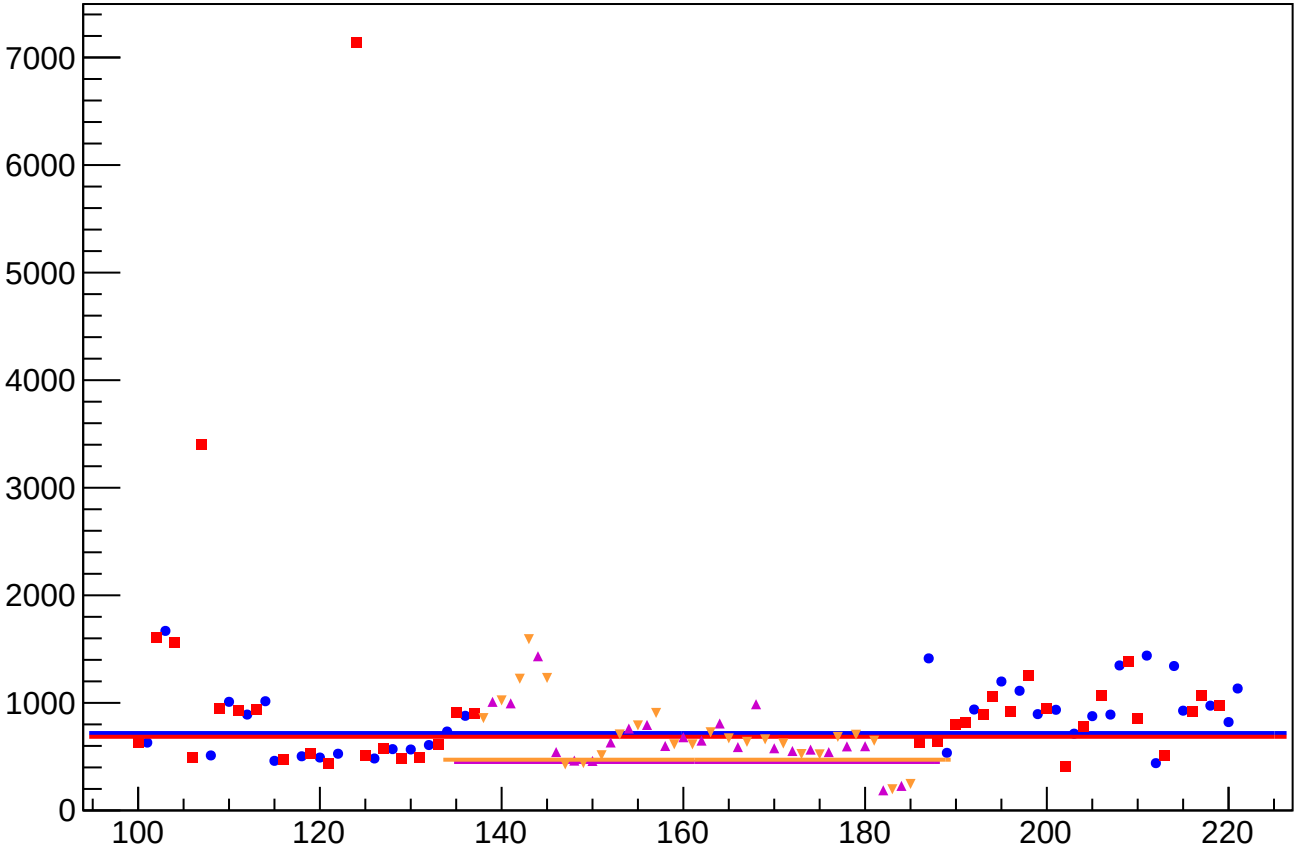
Right: -110.225+/-115.746 χ^2/NDF: 100.5/70

In: -138.742+/-96.796 χ^2/NDF:57.1/56

Out: -122.986+/-97.488 χ^2/NDF:94.2/61

All: -130.920+/-68.689 χ^2/NDF: 151.3/118

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 684.877+/-0.115 χ^2/NDF: 5509224.4/36

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

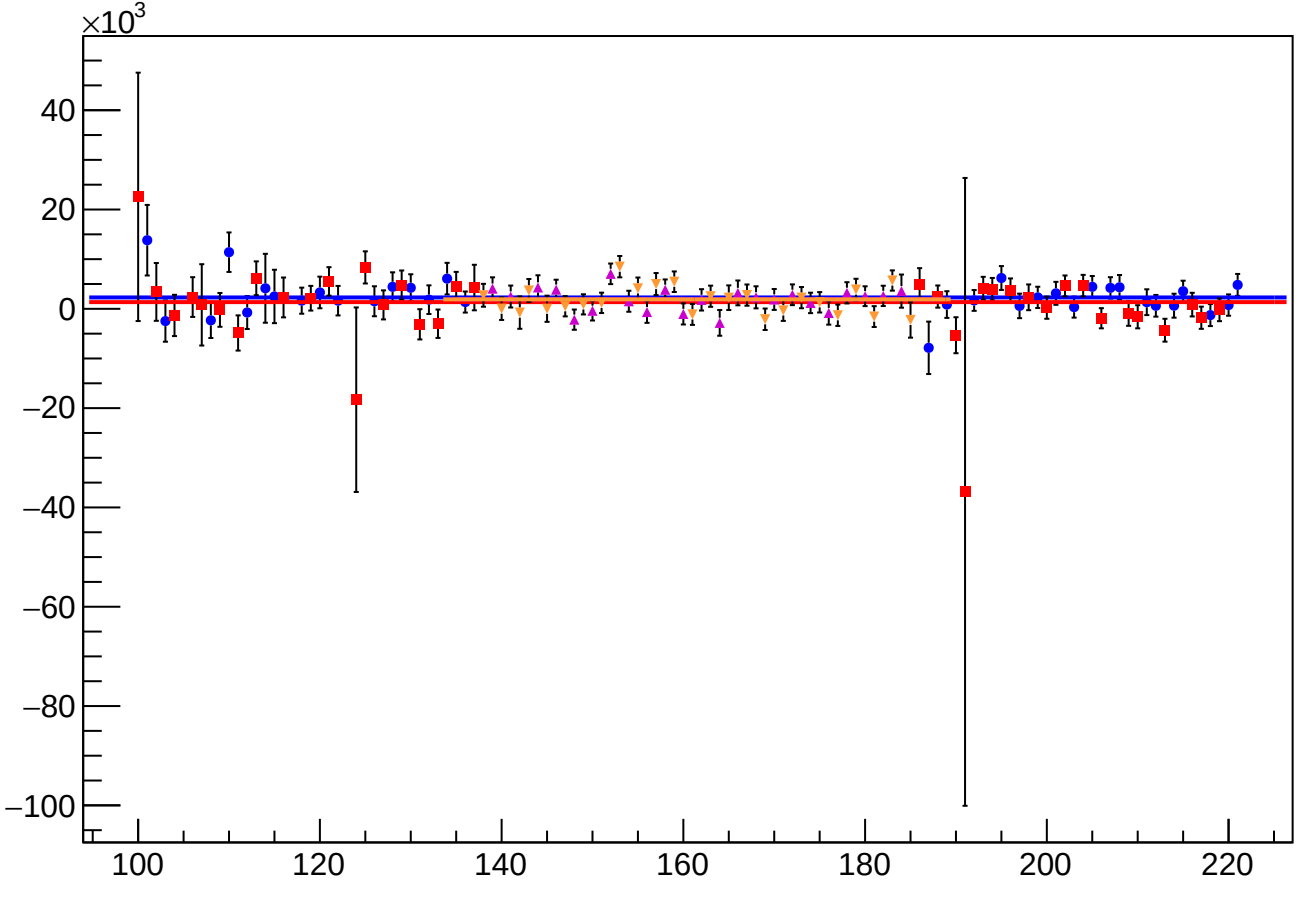
Right: 702.061+/-0.082 χ^2/NDF: 10479623.0/70

In: 543.913+/-0.068 χ^2/NDF:16349818.1/56

Out: 547.975+/-0.069 χ^2/NDF:15817123.5/61

All: 545.929+/-0.049 χ^2/NDF: 32168690.4/11

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: 1351.978+/-468.610 χ^2/NDF: 49.8/36

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

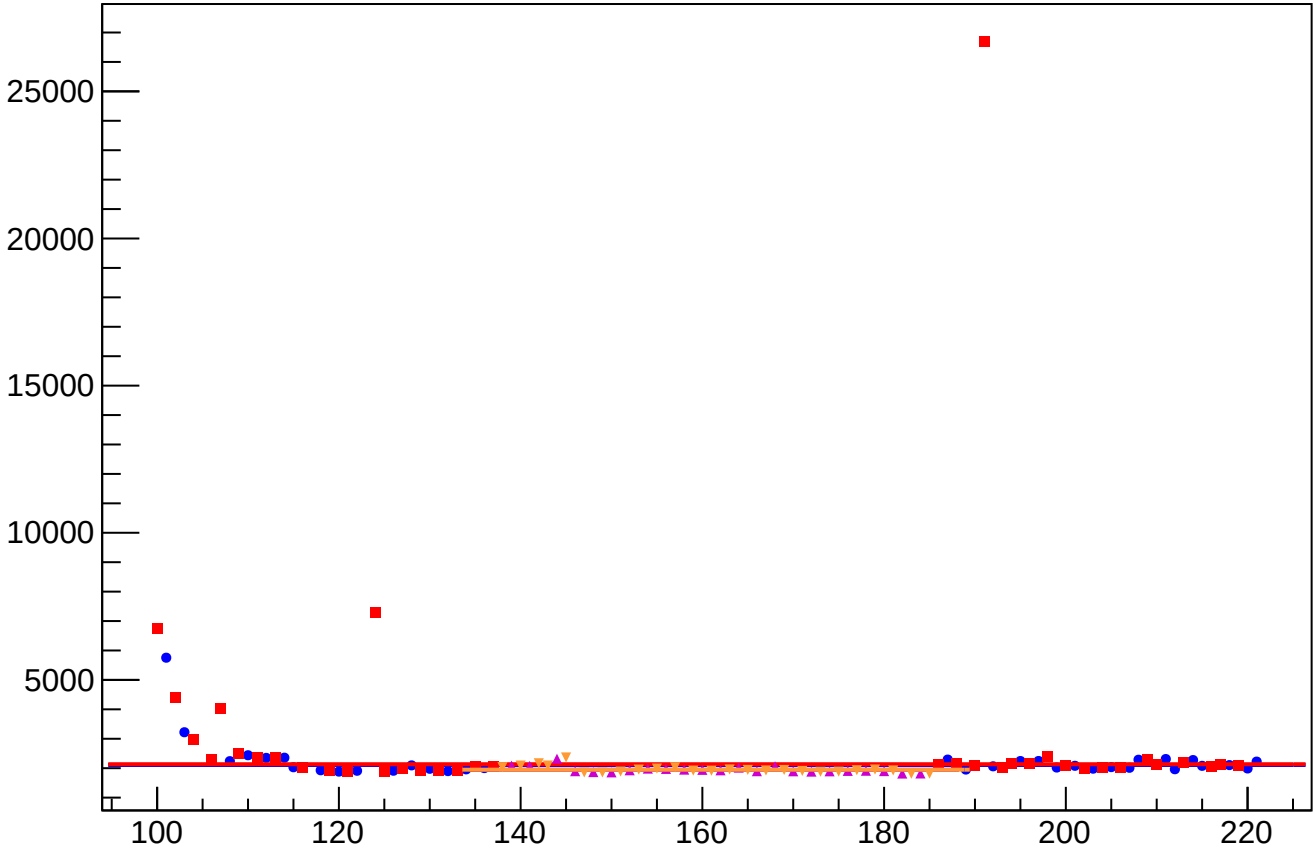
Right: 1836.691+/-325.884 χ^2/NDF: 83.2/70

In: 2109.164+/-321.160 χ^2/NDF:56.4/56

Out: 1644.937+/-322.122 χ^2/NDF:86.8/61

All: 1877.745+/-227.434 χ^2/NDF: 144.2/118

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: 2134.532+/-0.331 χ^2/NDF: 1190139.0/36

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

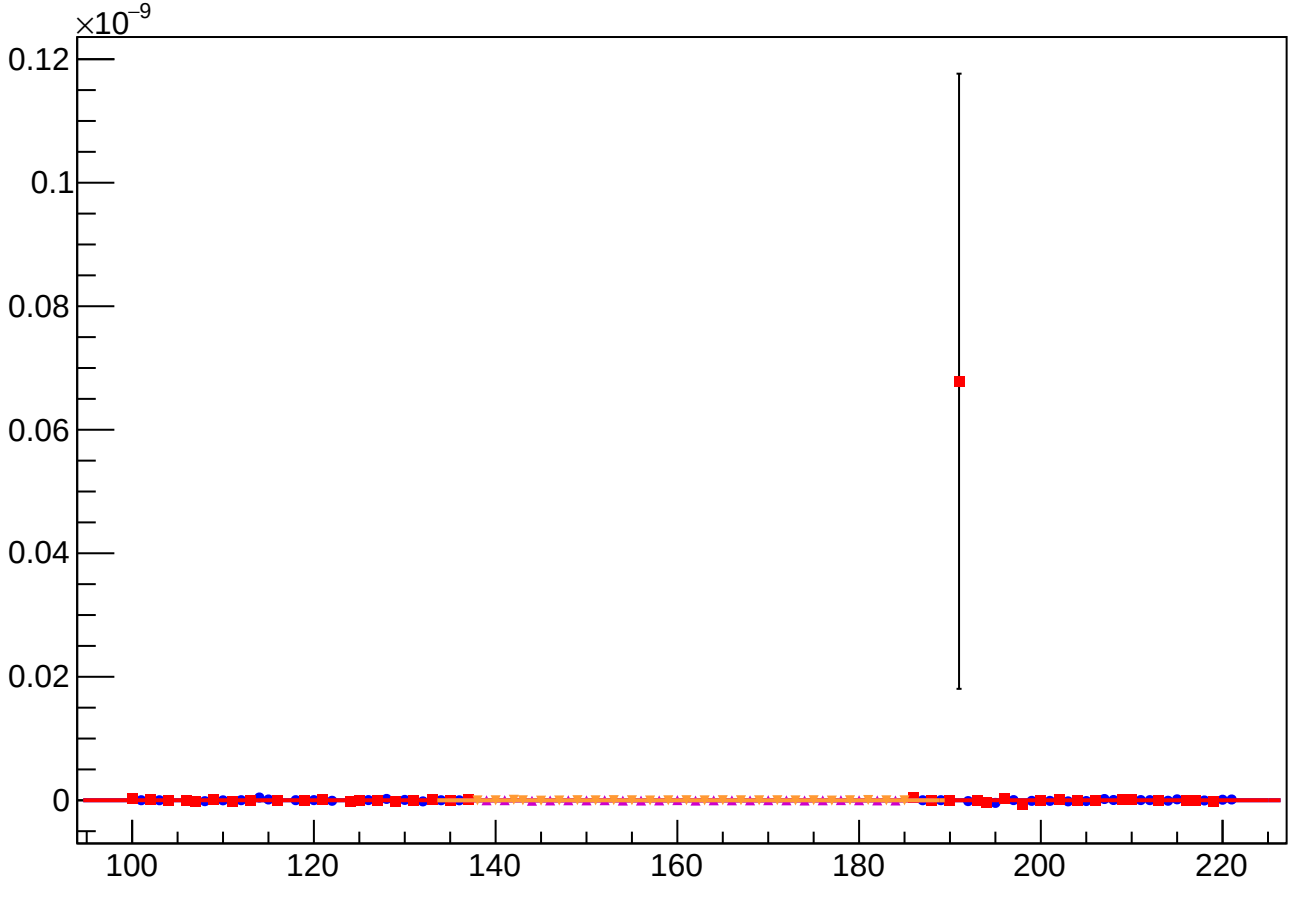
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2121.156+/-0.230 χ^2/NDF: 2045583.5/70

In: 2027.128+/-0.227 χ^2/NDF:1077822.9/56

Out: 2036.668+/-0.228 χ^2/NDF:1464028.7/61

All: 2031.884+/-0.161 χ^2/NDF: 2542731.3/11



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: 33.6/36

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

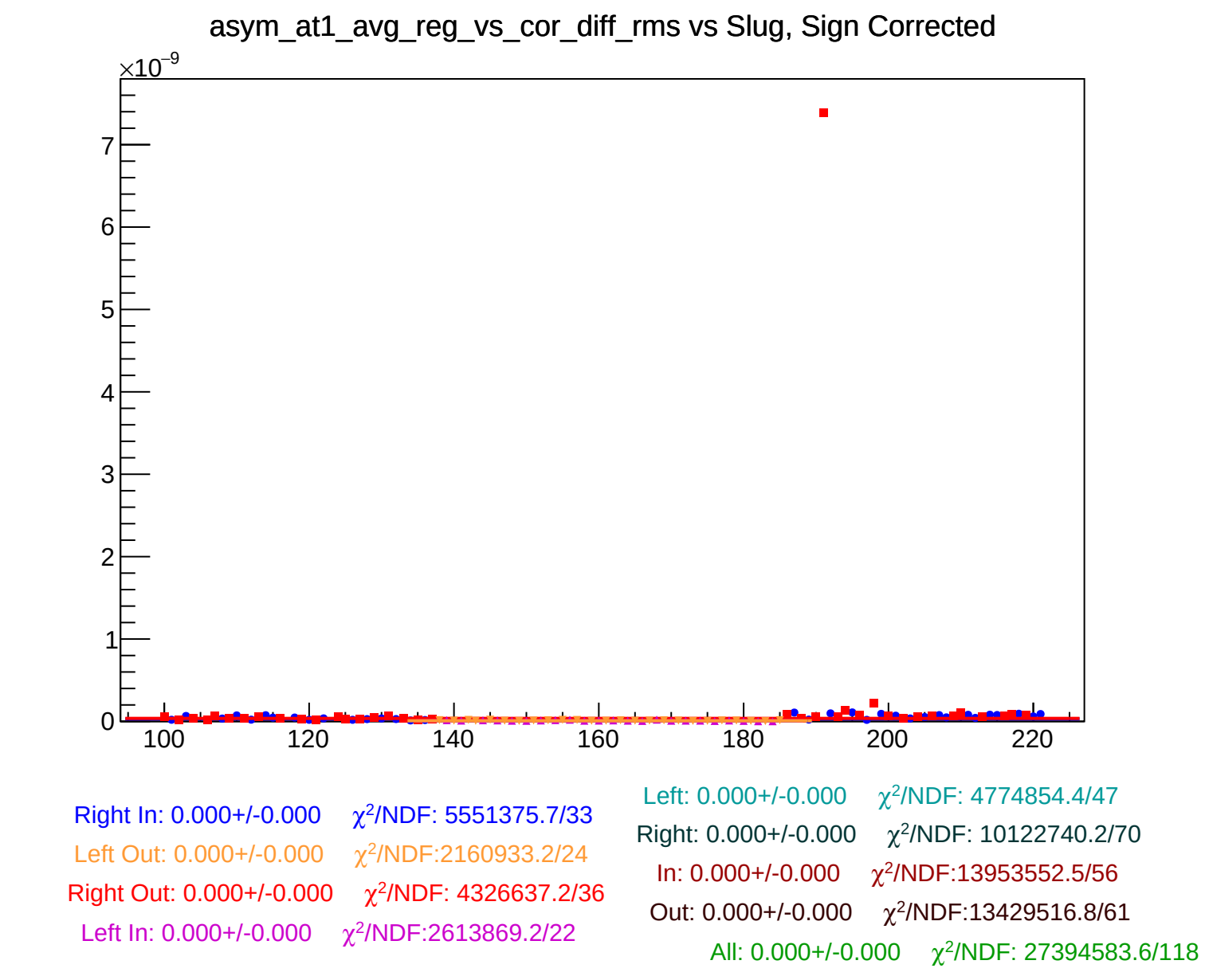
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

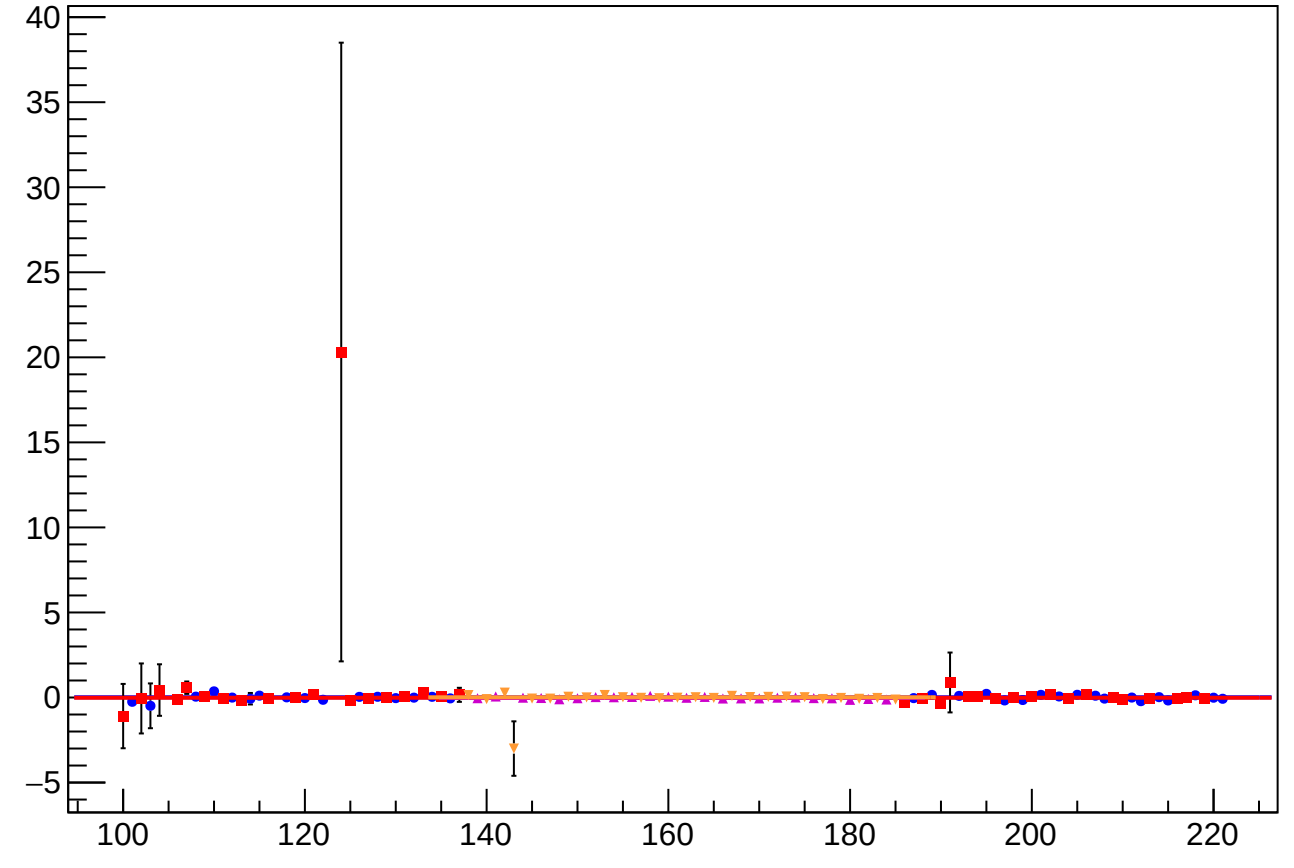
Right: 0.000+/-0.000 χ^2/NDF: 70.8/70

In: -0.000+/-0.000 χ^2/NDF:69.2/56

Out: 0.000+/-0.000 χ^2/NDF:62.8/61

All: -0.000+/-0.000 χ^2/NDF: 132.6/118


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: 4326637.2/36
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: 10122740.2/70
In: 0.000+/-0.000 χ²/NDF:13953552.5/56
Out: 0.000+/-0.000 χ²/NDF:13429516.8/61
All: 0.000+/-0.000 χ²/NDF: 27394583.6/118



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: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

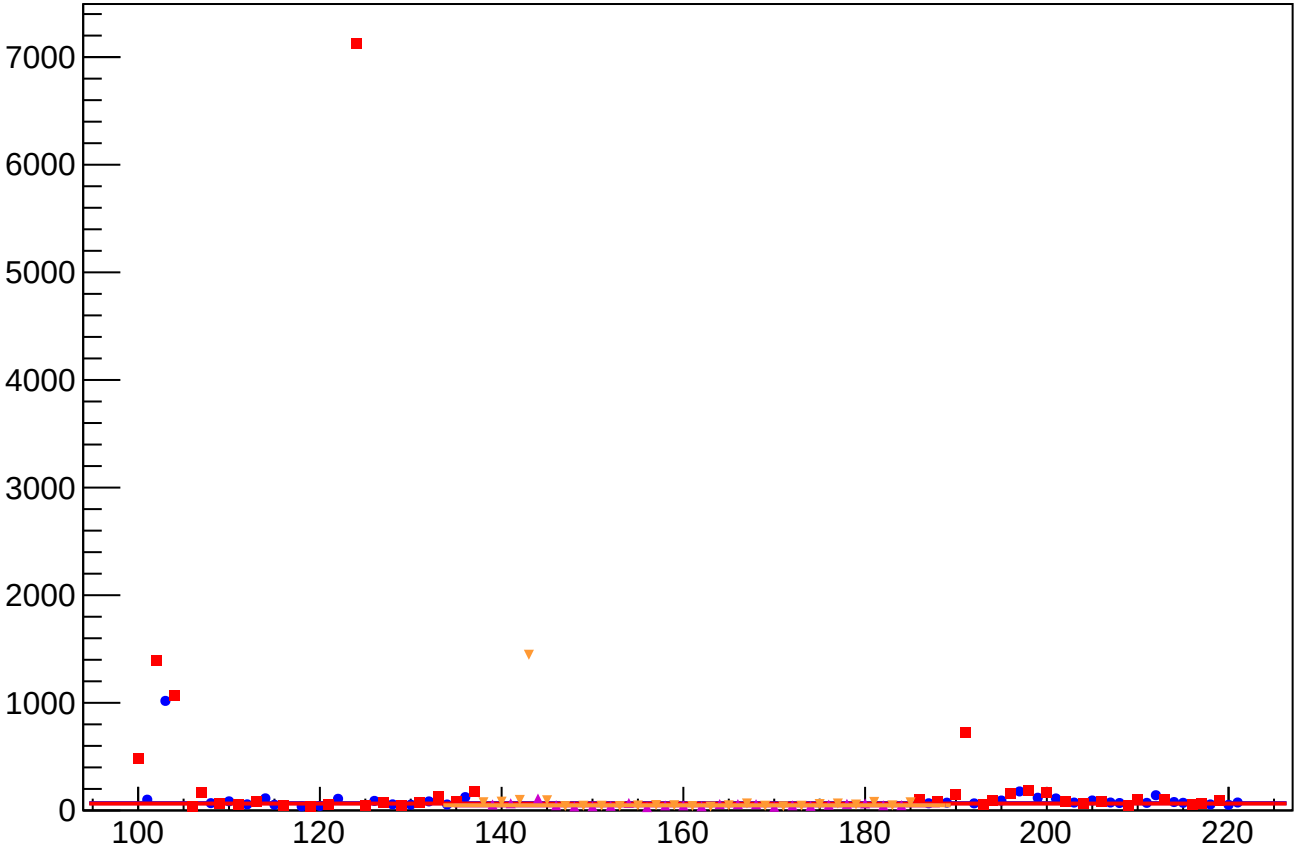
Right: -0.000+/-0.012 χ^2/NDF: 68.8/70

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 121.6/118

asym_at1_avg_dit_vs_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: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

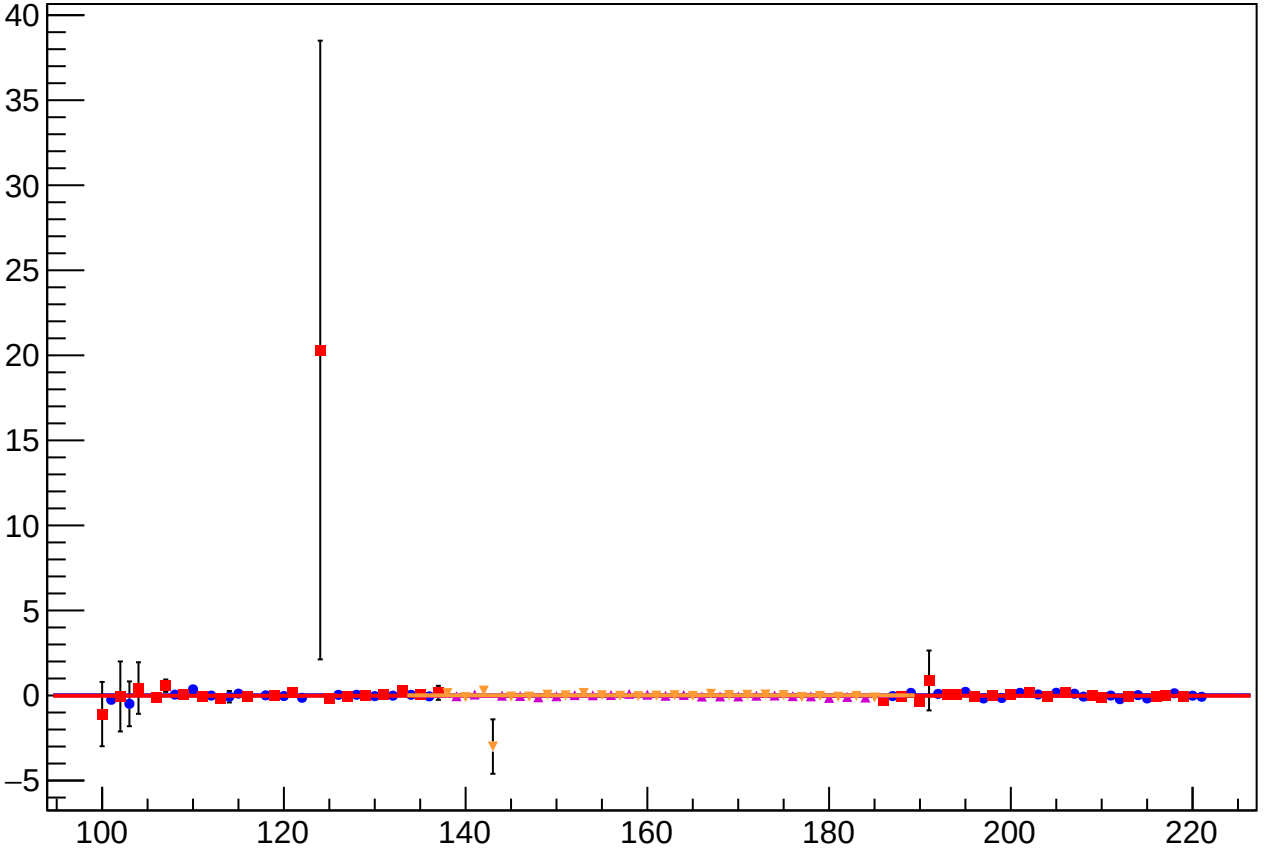
Right: 66.008+/-0.009 χ^2/NDF: 11421310.2/70

In: 53.982+/-0.007 χ^2/NDF:8424421.6/56

Out: 53.355+/-0.007 χ^2/NDF:11552705.1/61

All: 53.674+/-0.005 χ^2/NDF: 19981034.8/118

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: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

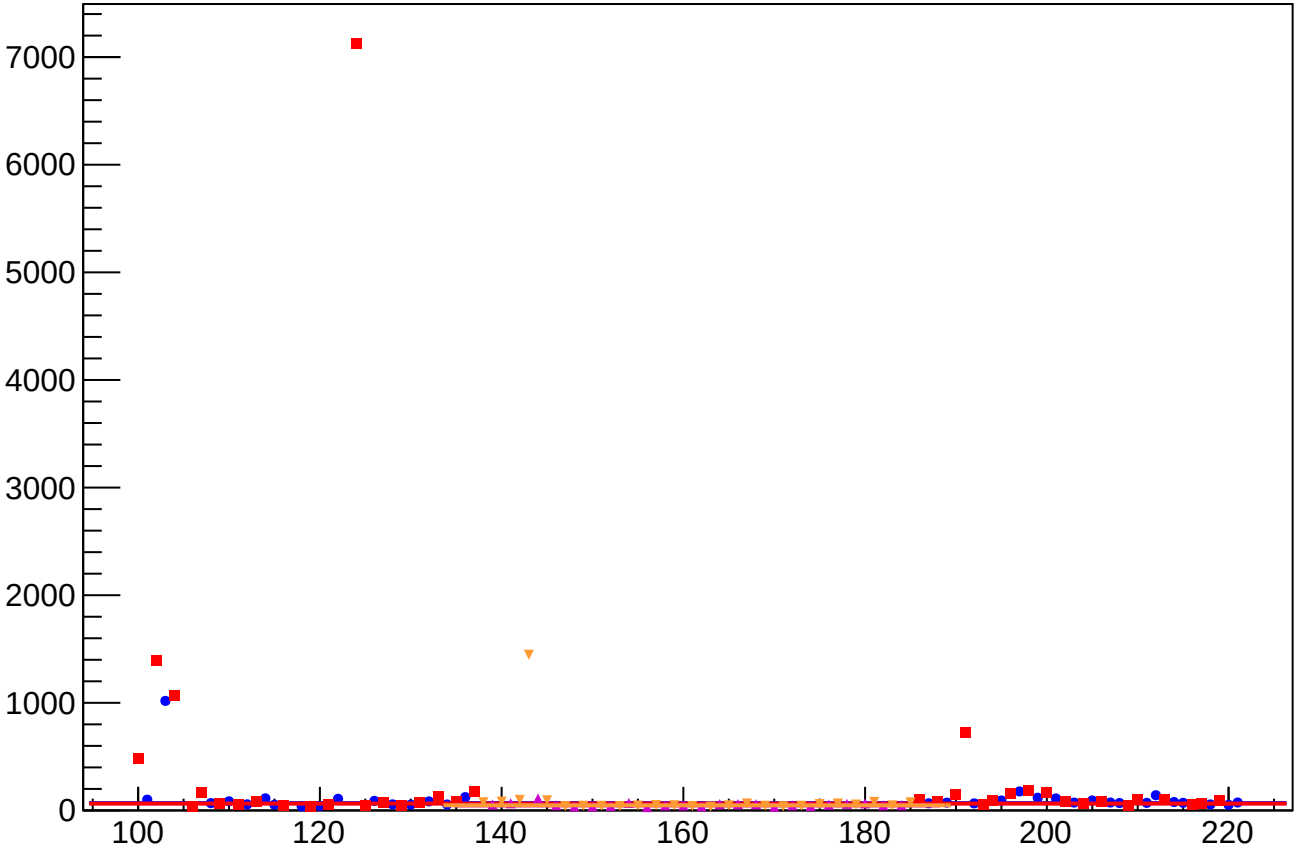
Right: -0.000+/-0.012 χ^2/NDF: 68.8/70

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 121.6/118

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: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

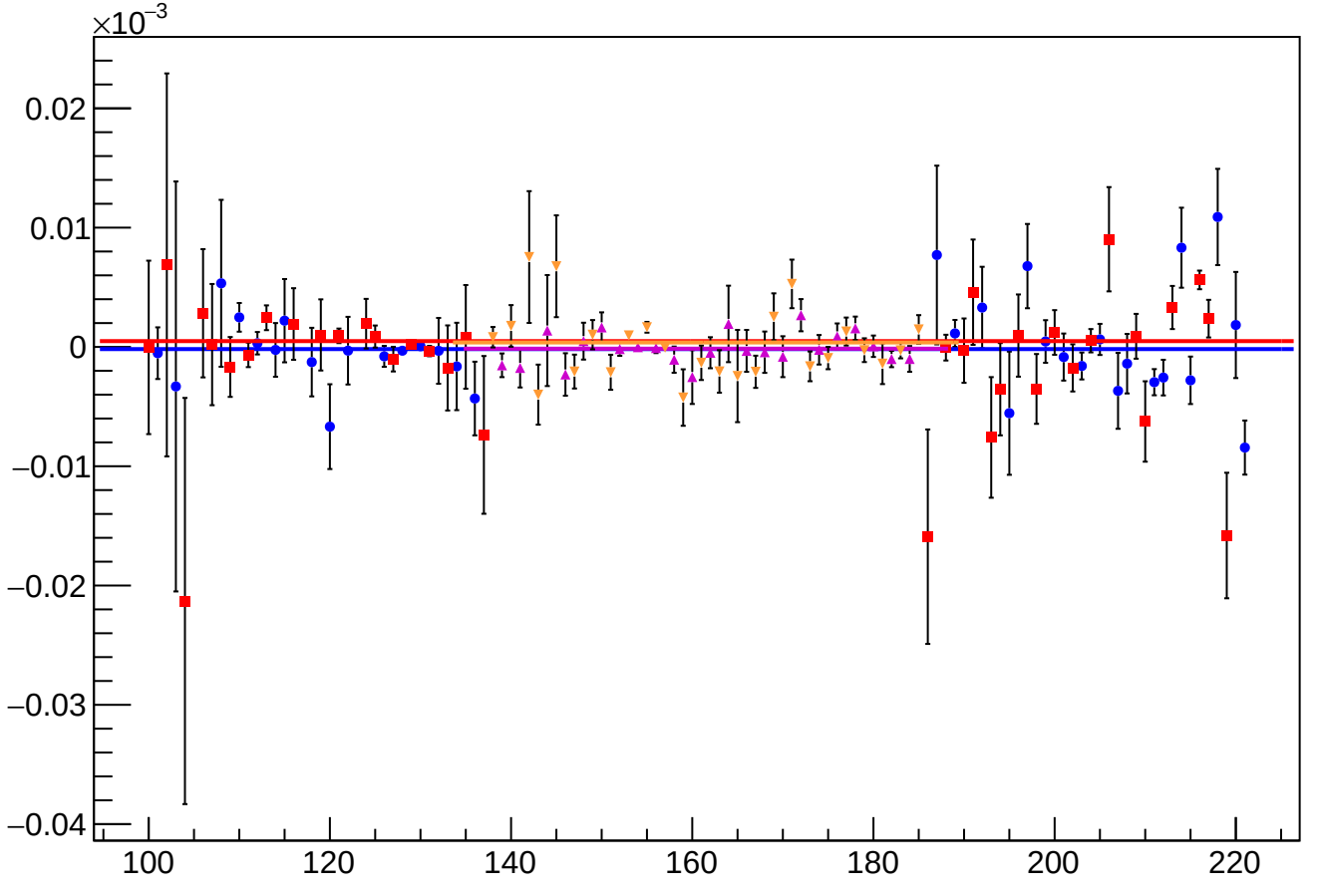
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.008+/-0.009 χ^2/NDF: 11421310.2/70

In: 53.982+/-0.007 χ^2/NDF:8424421.6/56

Out: 53.355+/-0.007 χ^2/NDF:11552705.1/61

All: 53.674+/-0.005 χ^2/NDF: 19981034.8/118



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: 93.7/36

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

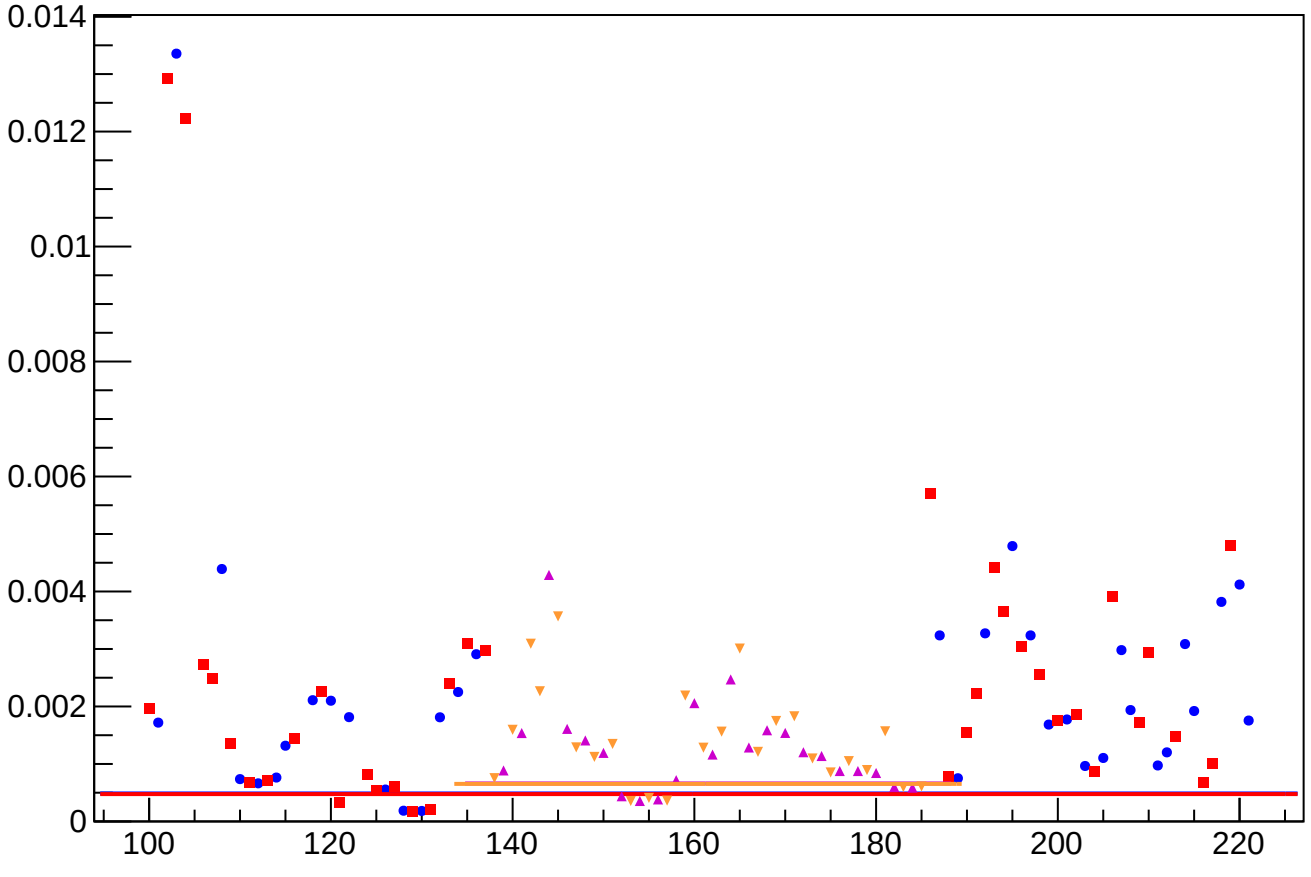
Right: 0.000+/-0.000 χ^2/NDF: 164.3/70

In: -0.000+/-0.000 χ^2/NDF:83.4/56

Out: 0.000+/-0.000 χ^2/NDF:145.6/61

All: 0.000+/-0.000 χ^2/NDF: 239.9/118

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25648296.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23250000.3/36

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

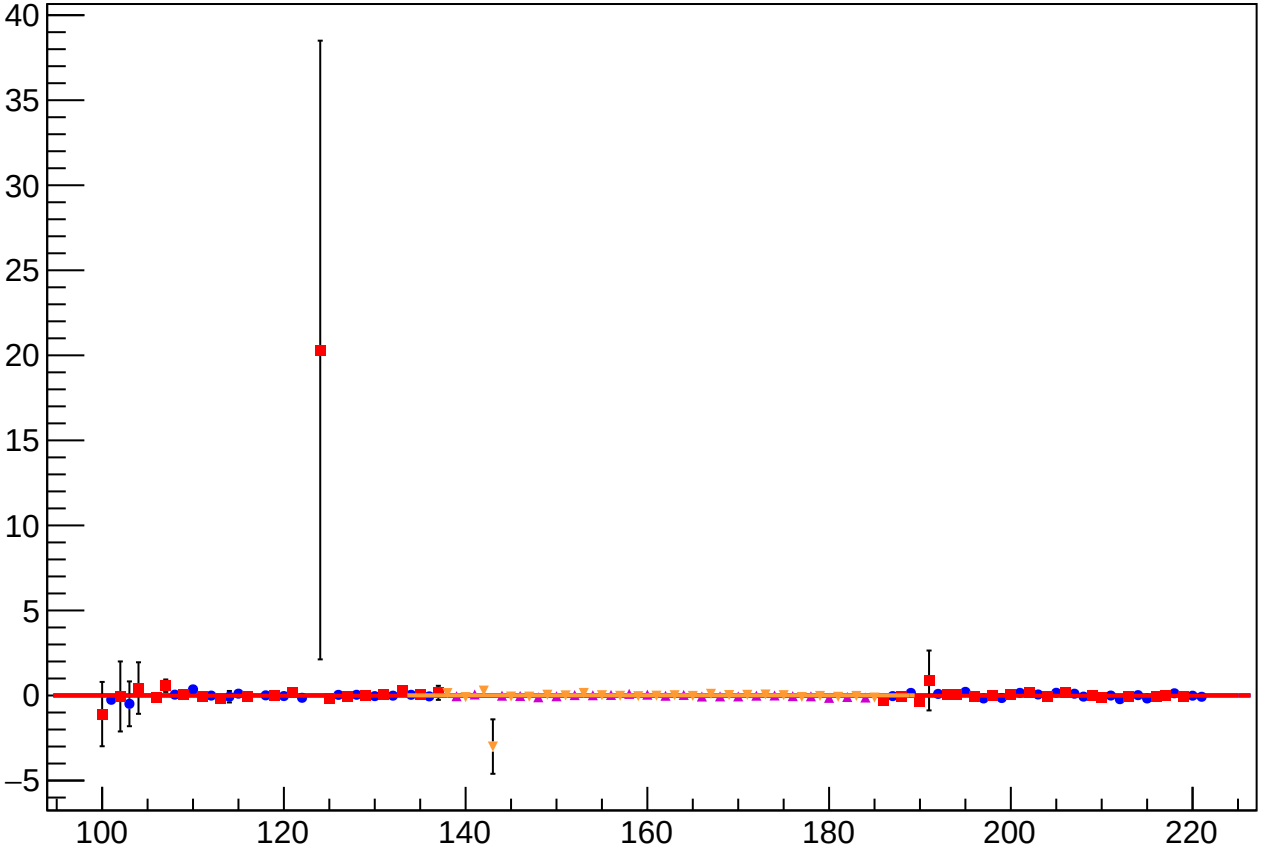
Right: 0.000+/-0.000 χ^2/NDF: 48902013.4/70

In: 0.001+/-0.000 χ^2/NDF:36253314.0/56

Out: 0.001+/-0.000 χ^2/NDF:36323413.0/61

All: 0.001+/-0.000 χ^2/NDF: 72580253.1/118

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: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

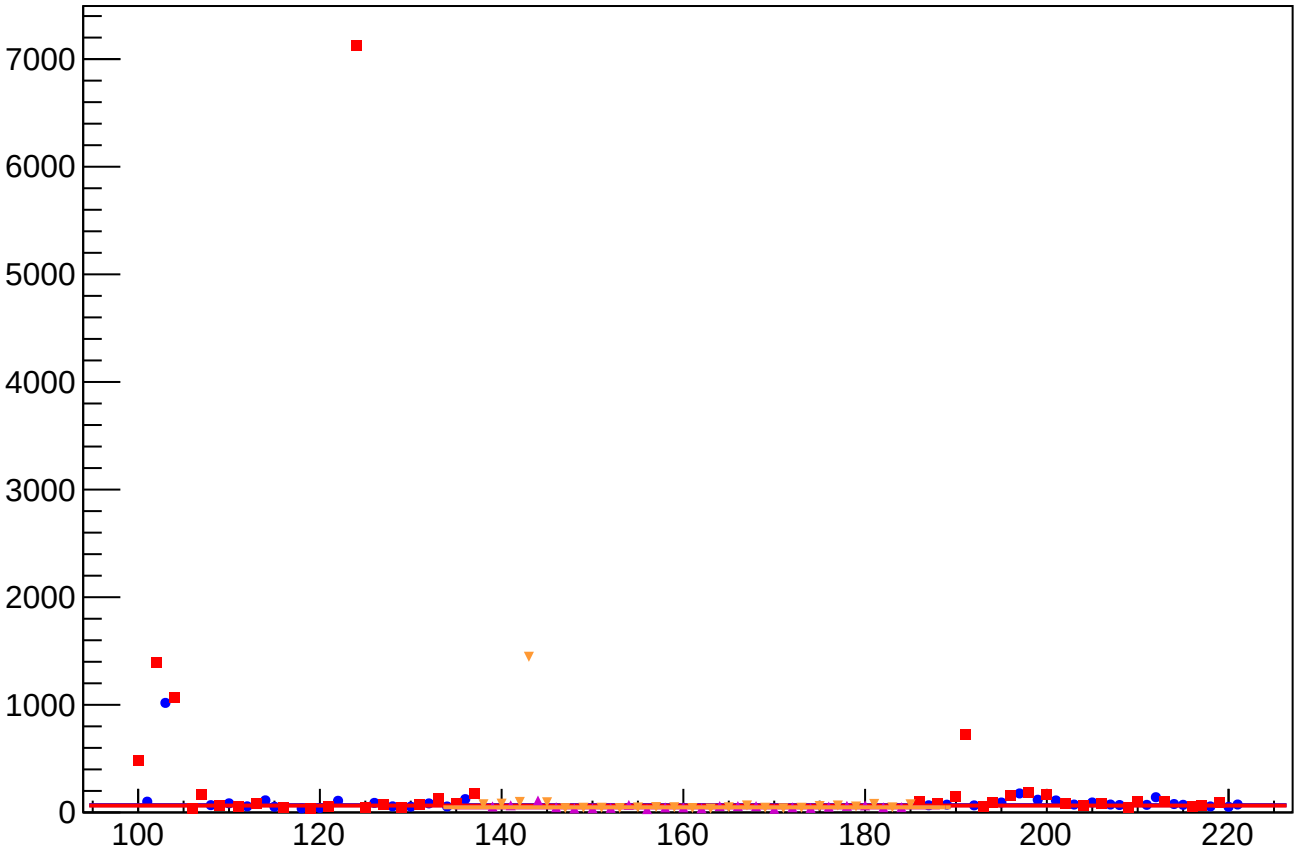
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.000+/-0.012 χ^2/NDF: 68.8/70

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 121.6/118



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: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

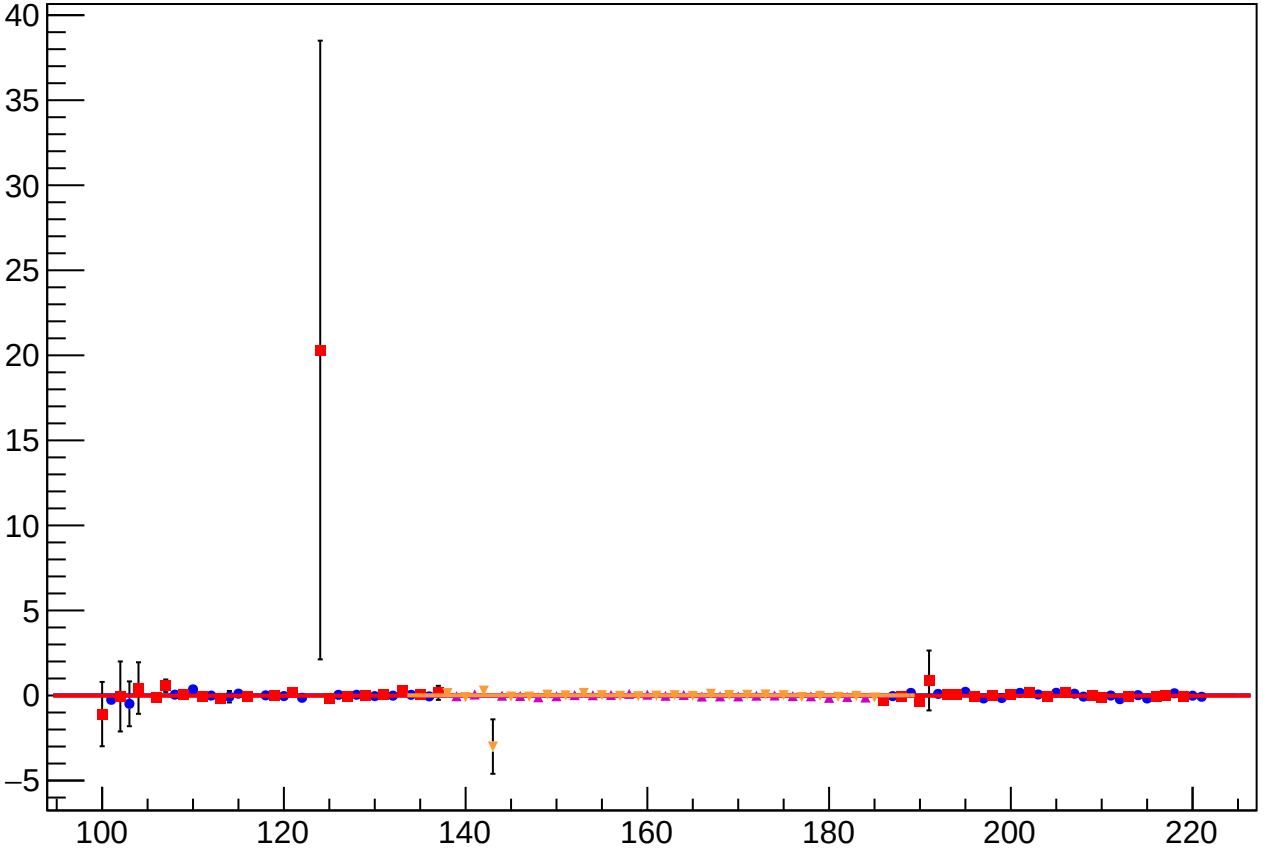
Right: 66.007+/-0.009 χ^2/NDF: 11421618.5/70

In: 53.982+/-0.007 χ^2/NDF:8424507.2/56

Out: 53.355+/-0.007 χ^2/NDF:11552744.7/61

All: 53.674+/-0.005 χ^2/NDF: 19981160.3/118

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: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

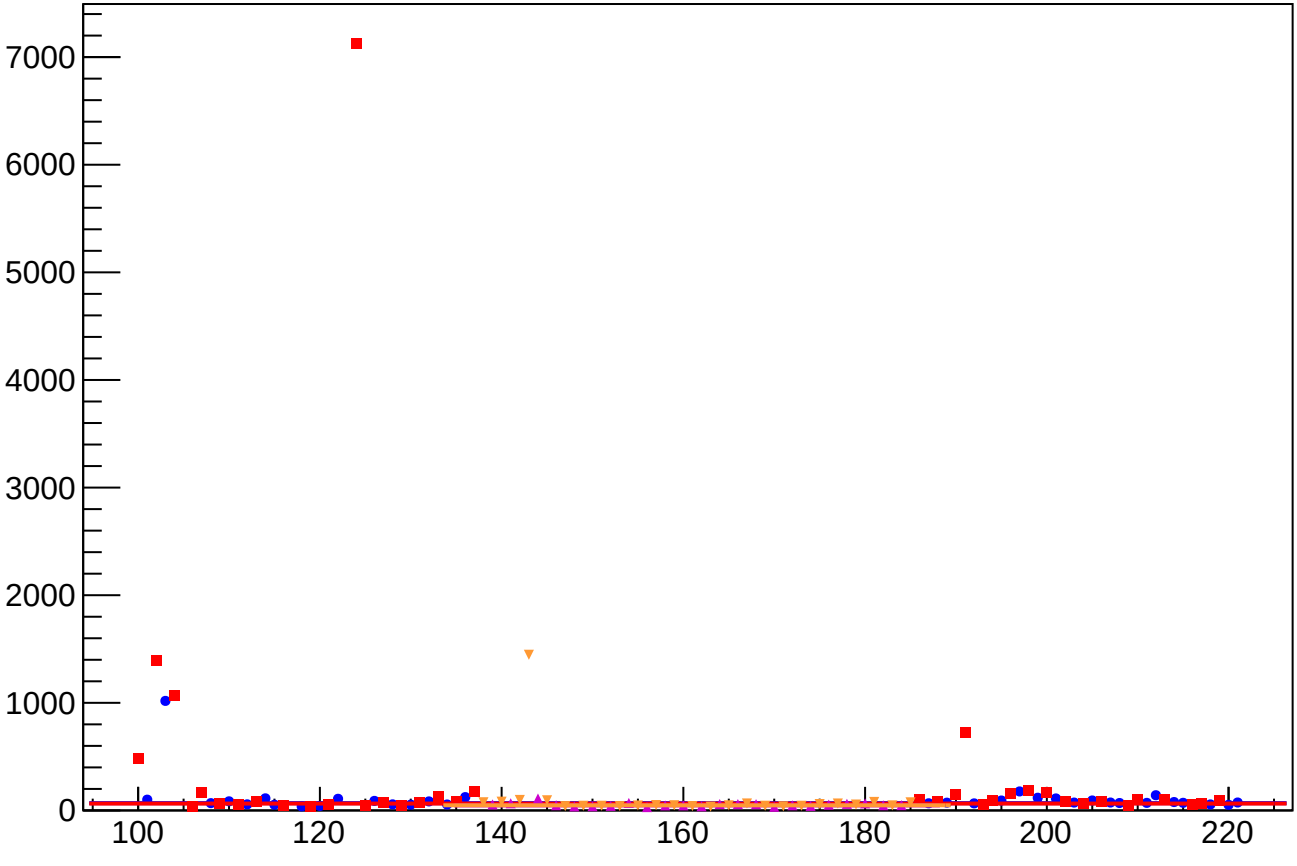
Right: -0.000+/-0.012 χ^2/NDF: 68.8/70

In: -0.007+/-0.010 χ^2/NDF:58.1/56

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 121.6/118

asym_at1_avg_eigen_dit_vs_eigen_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: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

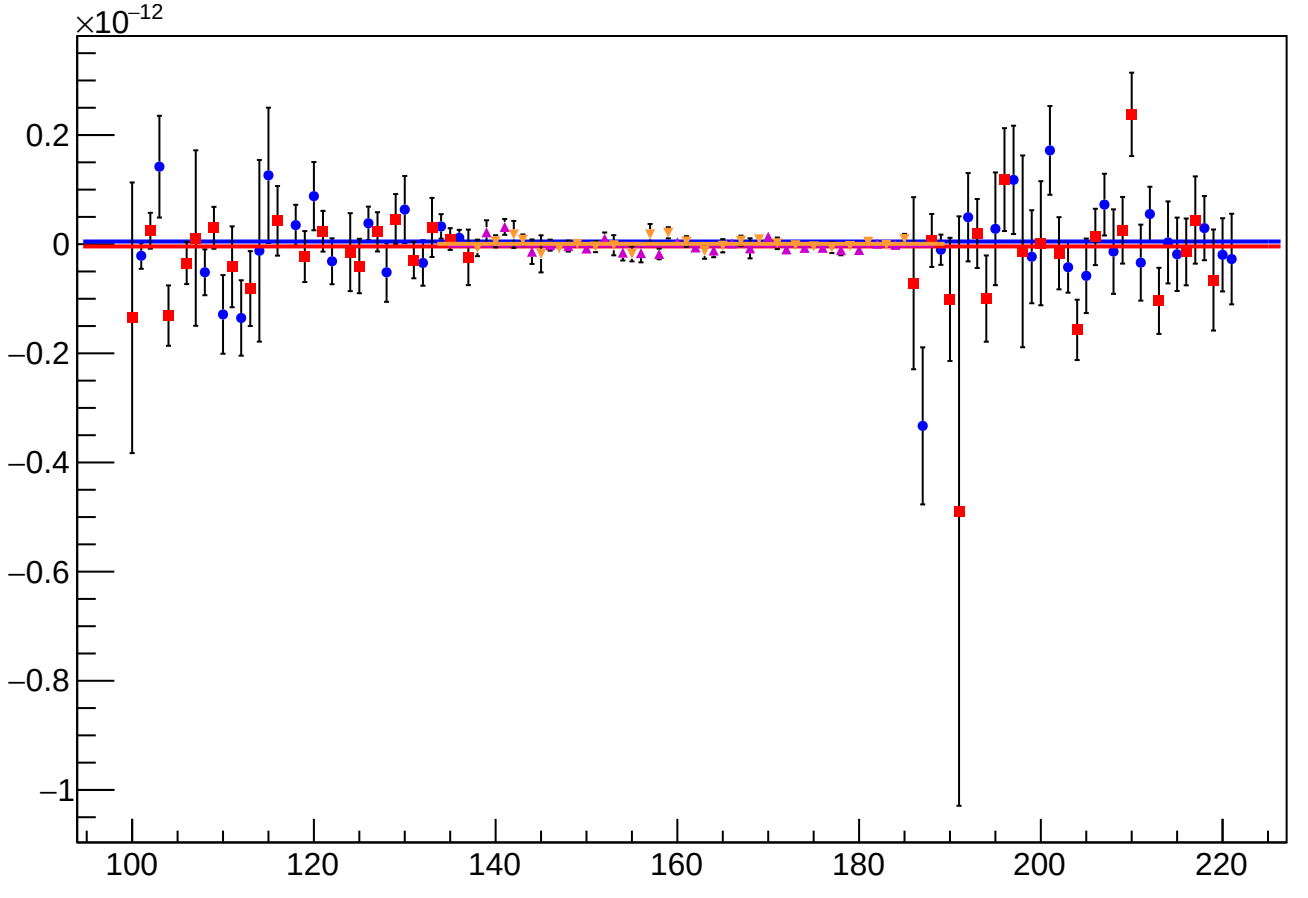
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.007+/-0.009 χ^2/NDF: 11421618.5/70

In: 53.982+/-0.007 χ^2/NDF:8424507.2/56

Out: 53.355+/-0.007 χ^2/NDF:11552744.7/61

All: 53.674+/-0.005 χ^2/NDF: 19981160.3/118



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: 41.1/36

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

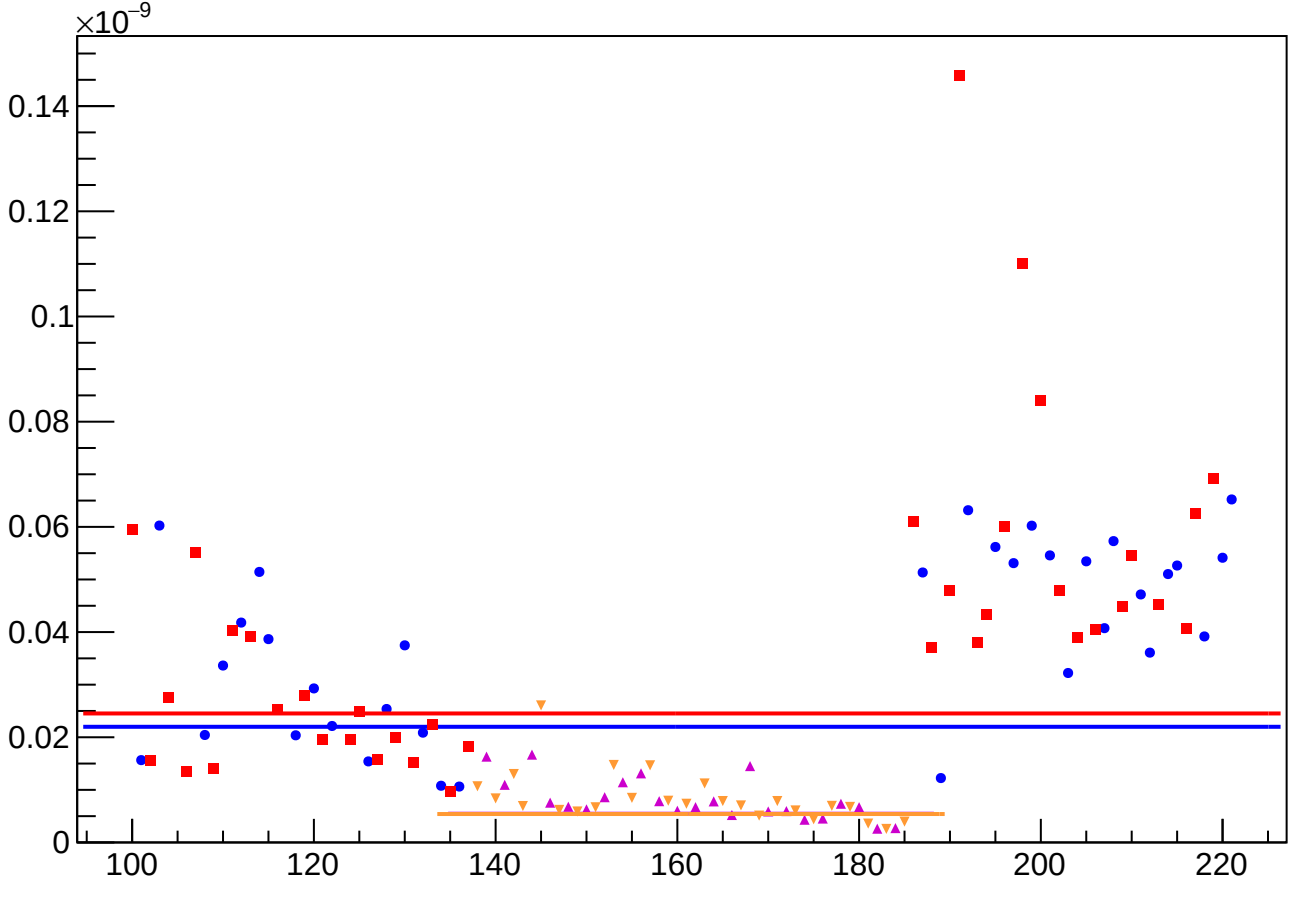
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 81.4/70

In: -0.000+/-0.000 χ^2/NDF:62.4/56

Out: 0.000+/-0.000 χ^2/NDF:56.5/61

All: -0.000+/-0.000 χ^2/NDF: 120.2/118



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: 6587109.4/36

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

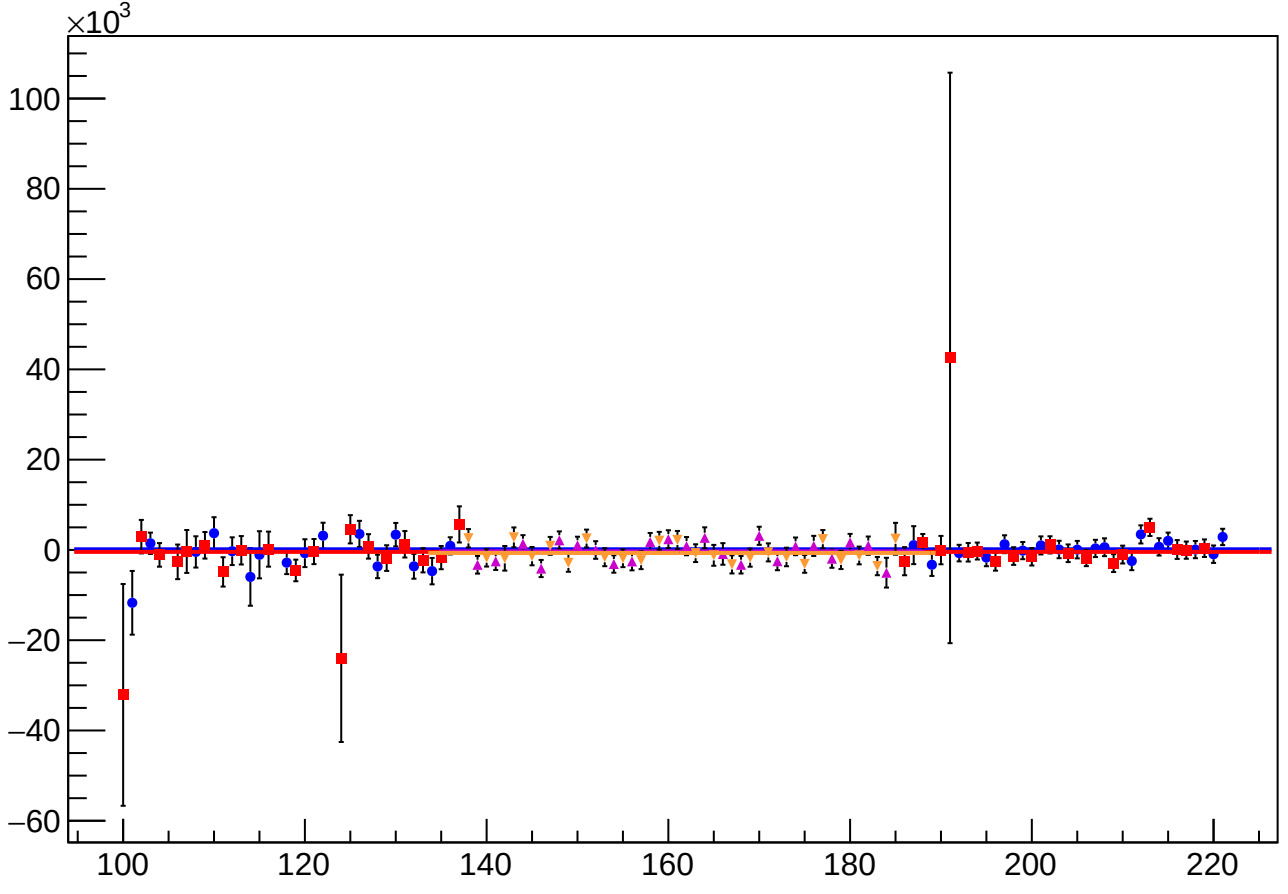
Right: 0.000+/-0.000 χ^2/NDF: 14898068.3/70

In: 0.000+/-0.000 χ^2/NDF:22516939.2/56

Out: 0.000+/-0.000 χ^2/NDF:21439912.3/61

All: 0.000+/-0.000 χ^2/NDF: 43971850.8/118

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: -431.447+/-407.380 χ^2/NDF: 31.0/36

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

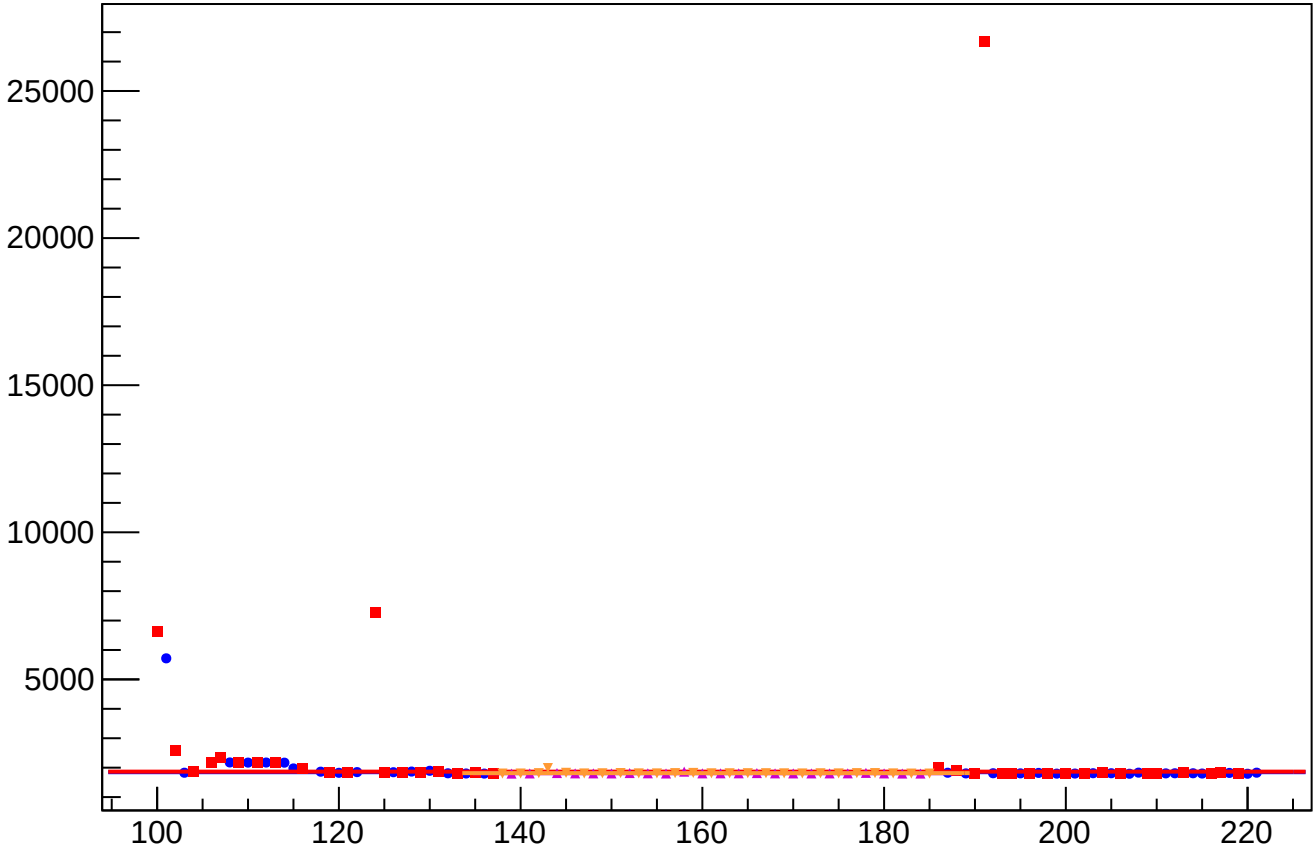
Right: -137.299+/-283.836 χ^2/NDF: 61.3/70

In: -85.434+/-288.874 χ^2/NDF:60.0/56

Out: -549.339+/-289.752 χ^2/NDF:55.9/61

All: -316.682+/-204.575 χ^2/NDF: 117.2/118

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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: 1864.918+/-0.288 χ^2/NDF: 761350.5/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

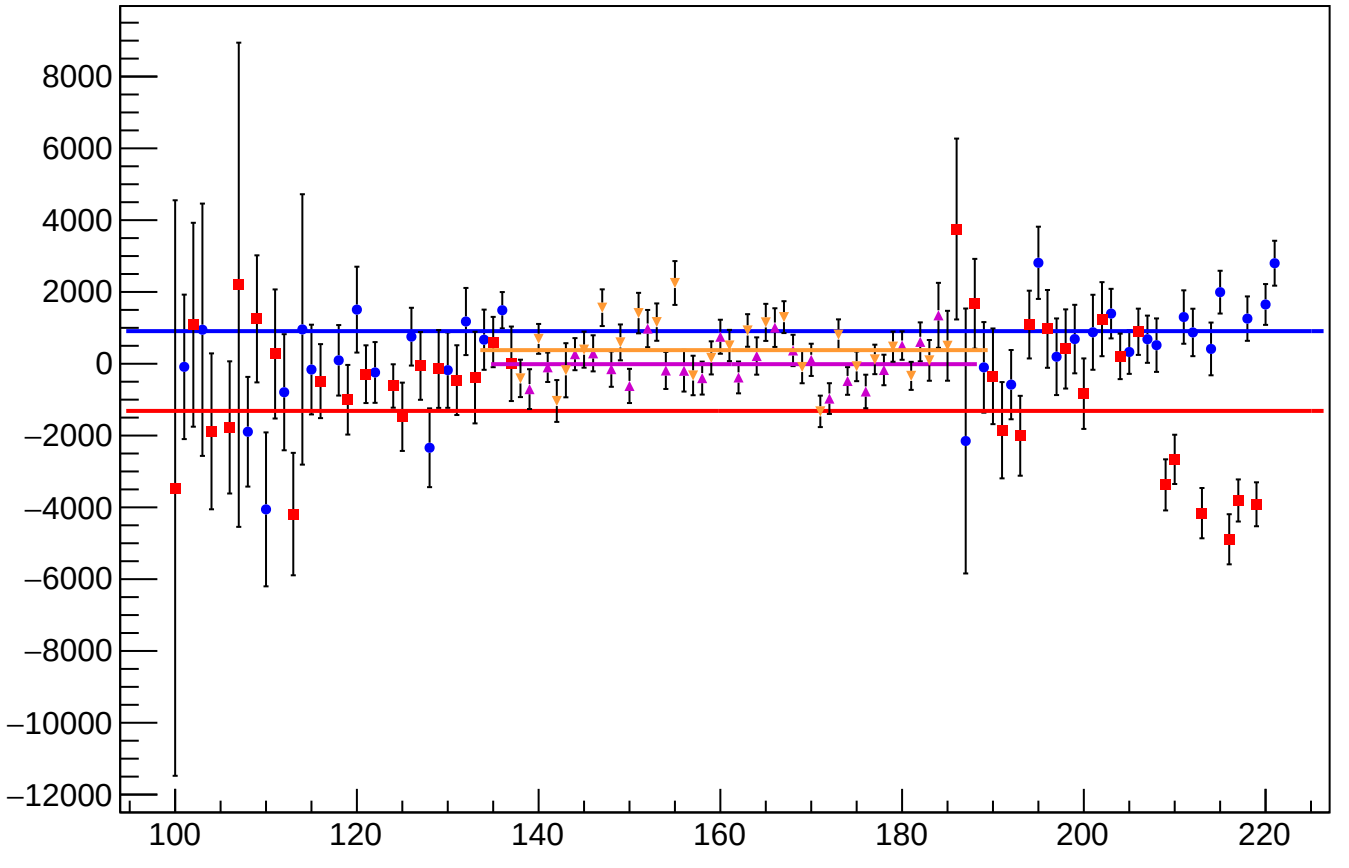
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1855.014+/-0.201 χ^2/NDF: 1445578.1/70

In: 1829.225+/-0.204 χ^2/NDF:691294.5/56

Out: 1839.974+/-0.205 χ^2/NDF:789628.5/61

All: 1834.583+/-0.145 χ^2/NDF: 1482303.2/11



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: -1313.543+/-154.657 χ^2/NDF: 163.1/36

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

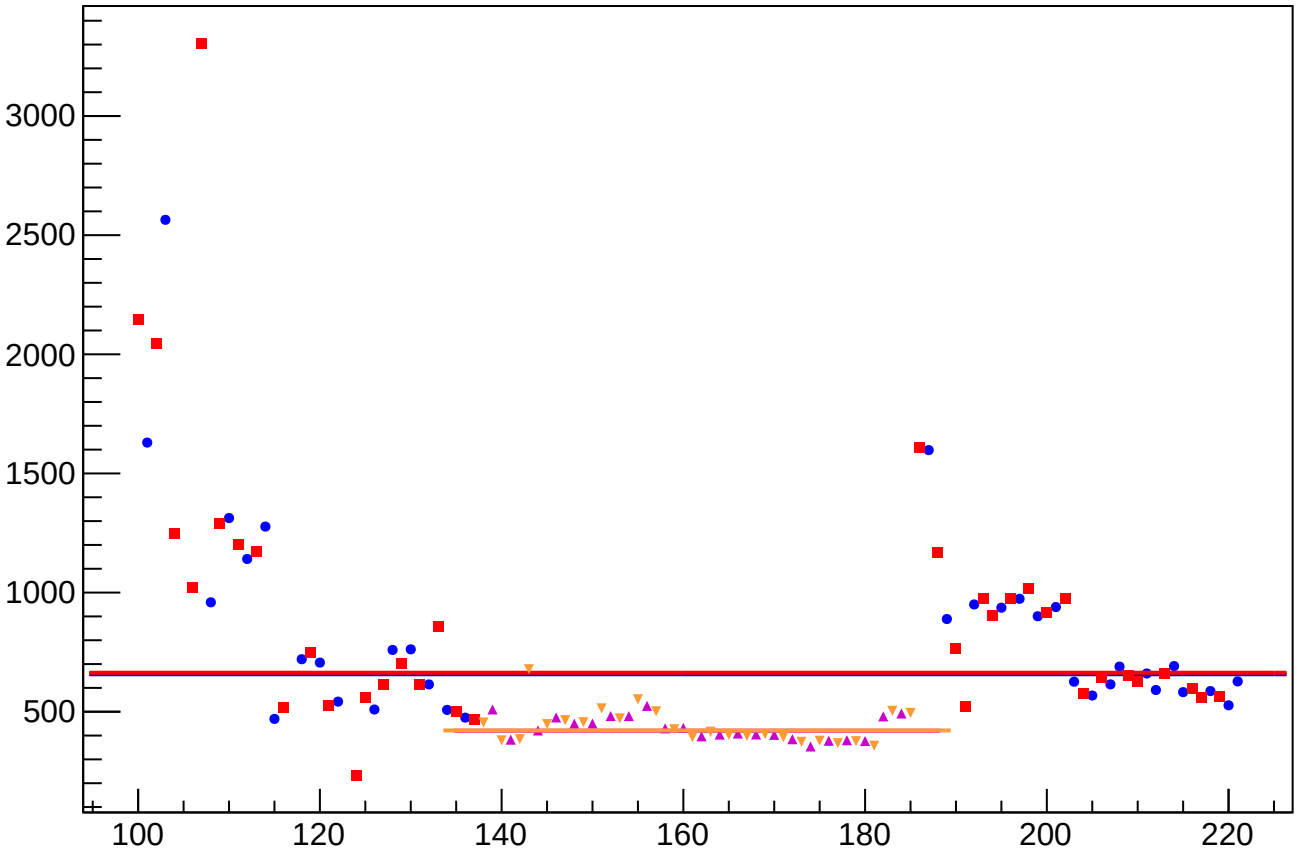
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -142.779+/-106.383 χ^2/NDF: 321.7/70

In: 276.686+/-82.025 χ^2/NDF:108.0/56

Out: -98.675+/-82.183 χ^2/NDF:311.4/61

All: 89.367+/-58.056 χ^2/NDF: 429.9/118



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: 663.672+/-0.109 χ^2/NDF: 4862617.2/36

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

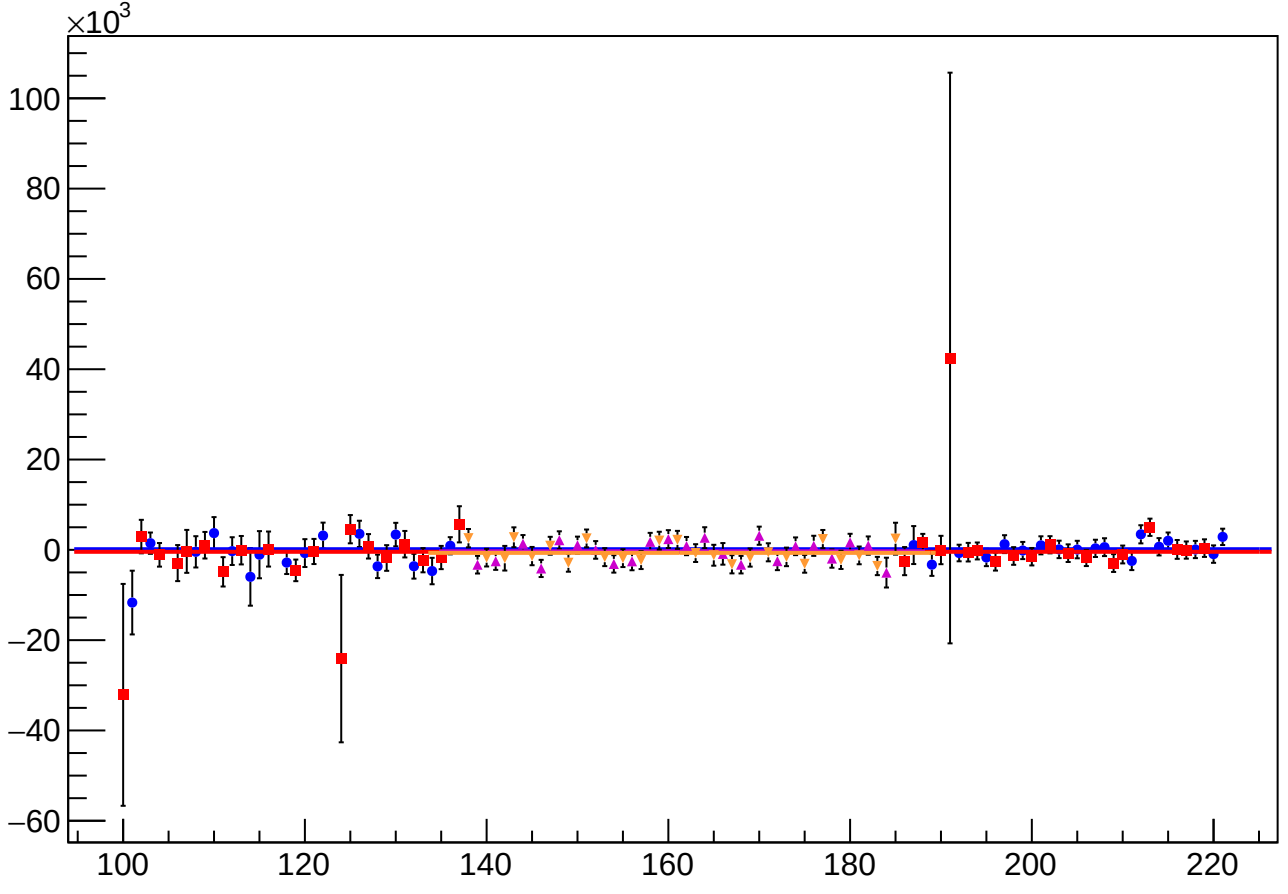
Right: 660.266+/-0.075 χ^2/NDF: 8182945.1/70

In: 494.447+/-0.058 χ^2/NDF:7322777.9/56

Out: 489.823+/-0.058 χ^2/NDF:9127258.0/61

All: 492.139+/-0.041 χ^2/NDF: 16453207.1/11

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: -432.704+/-407.562 χ^2/NDF: 31.1/36

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

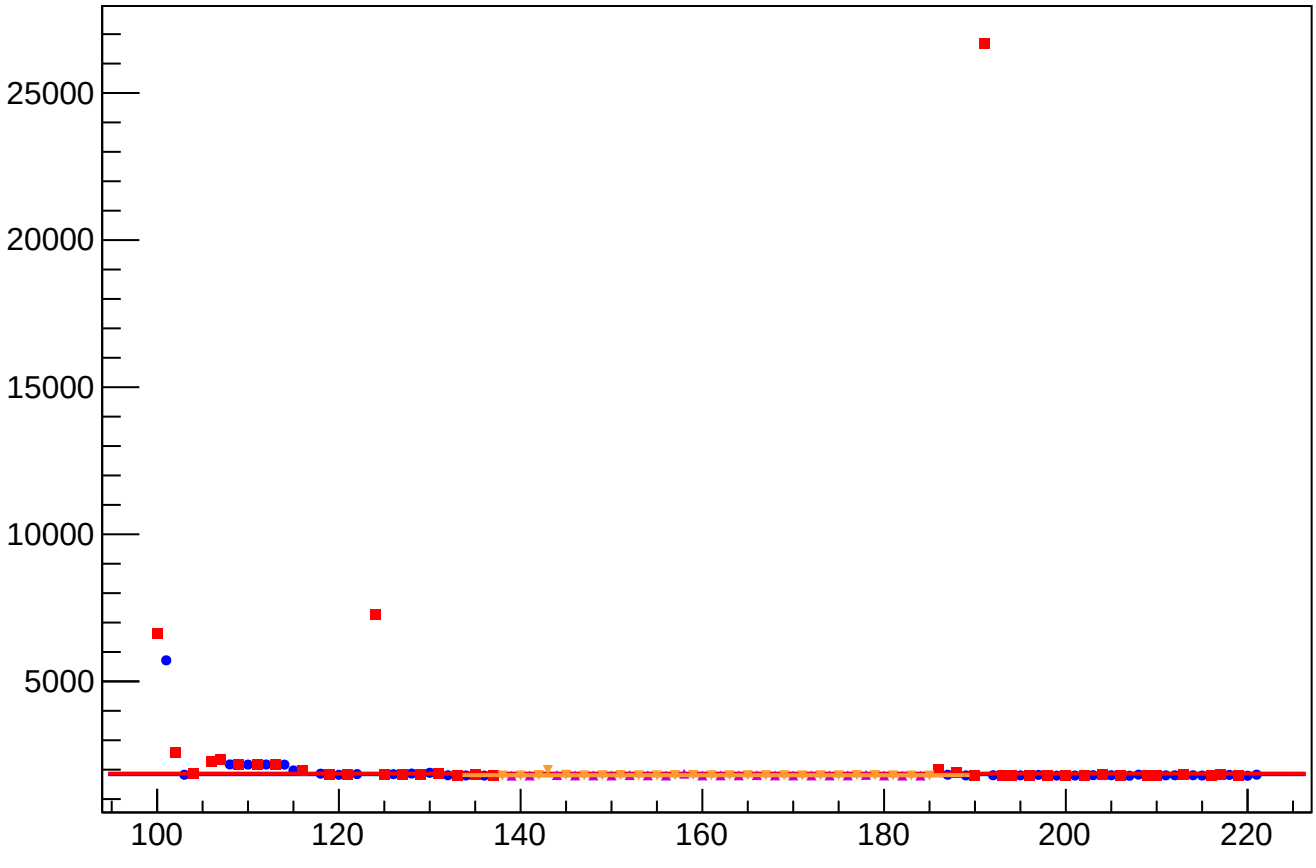
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -137.619+/-283.898 χ^2/NDF: 61.3/70

In: -85.286+/-288.874 χ^2/NDF:60.0/56

Out: -550.023+/-289.818 χ^2/NDF:56.0/61

All: -316.897+/-204.598 χ^2/NDF: 117.3/118



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: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

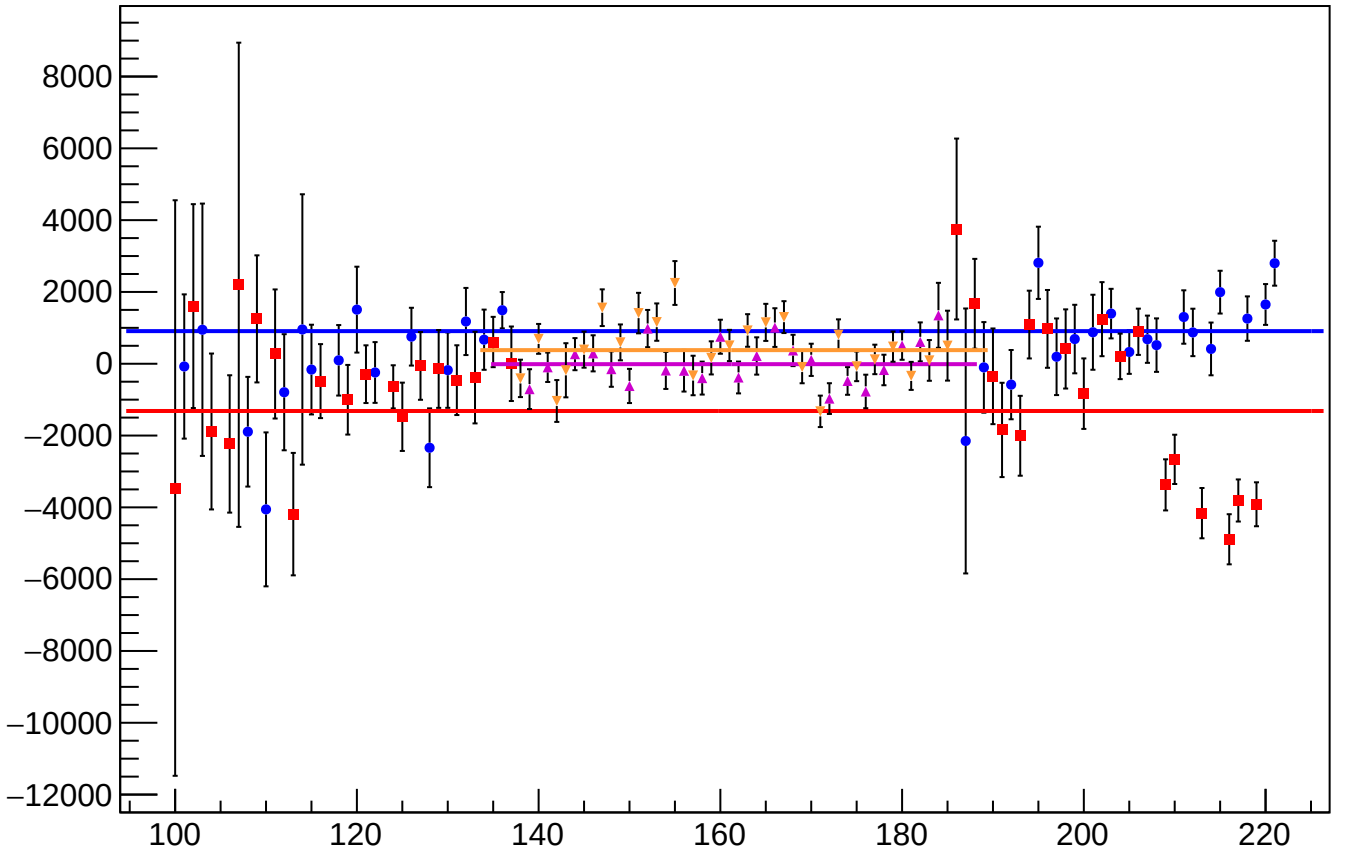
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1855.284+/-0.201 χ^2/NDF: 1452063.4/70

In: 1829.225+/-0.204 χ^2/NDF:691294.4/56

Out: 1840.249+/-0.205 χ^2/NDF:796313.3/61

All: 1834.719+/-0.145 χ^2/NDF: 1489059.0/11



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: -1315.839+/-154.578 χ^2/NDF: 163.6/36

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

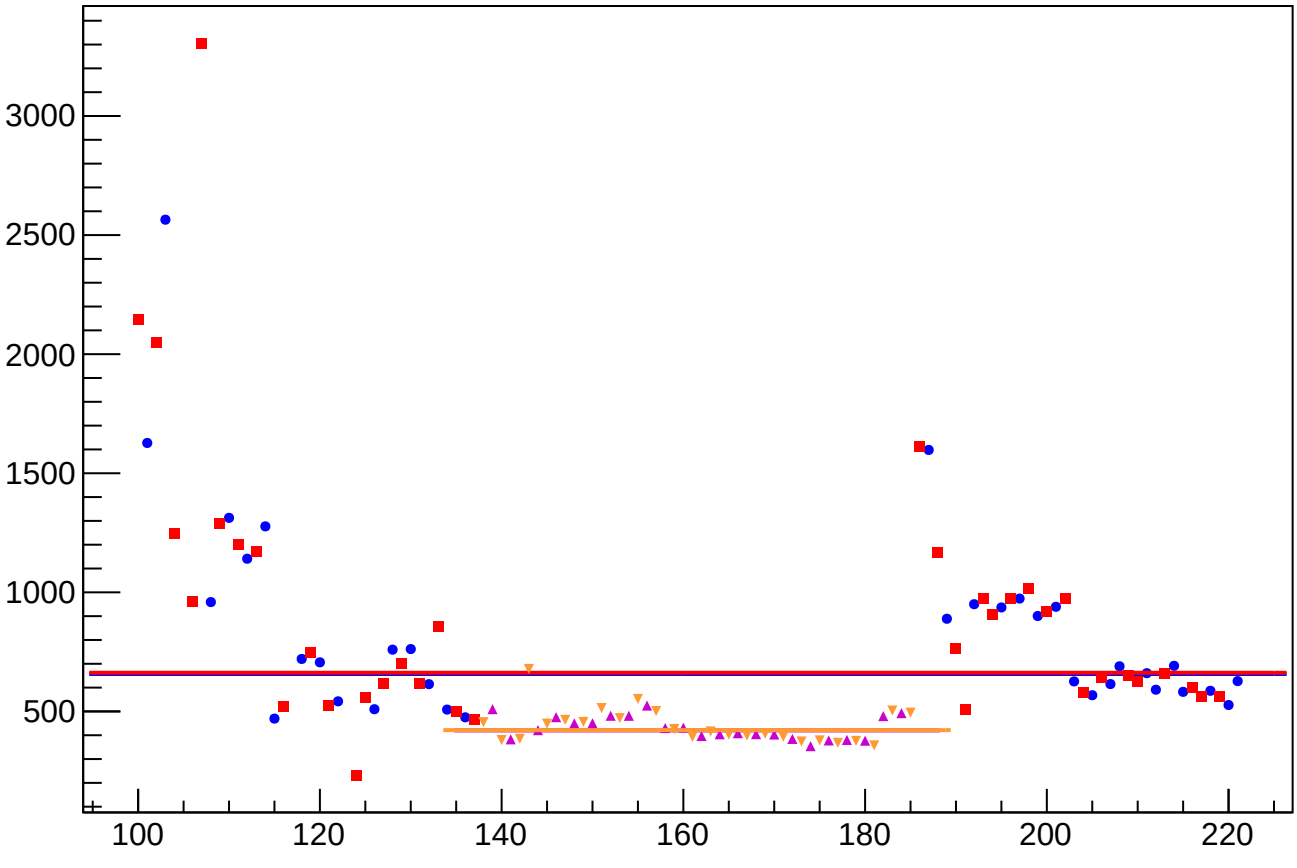
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -144.405+/-106.357 χ^2/NDF: 322.4/70

In: 276.687+/-82.024 χ^2/NDF:108.0/56

Out: -99.684+/-82.171 χ^2/NDF:312.2/61

All: 88.839+/-58.052 χ^2/NDF: 430.7/118



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: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

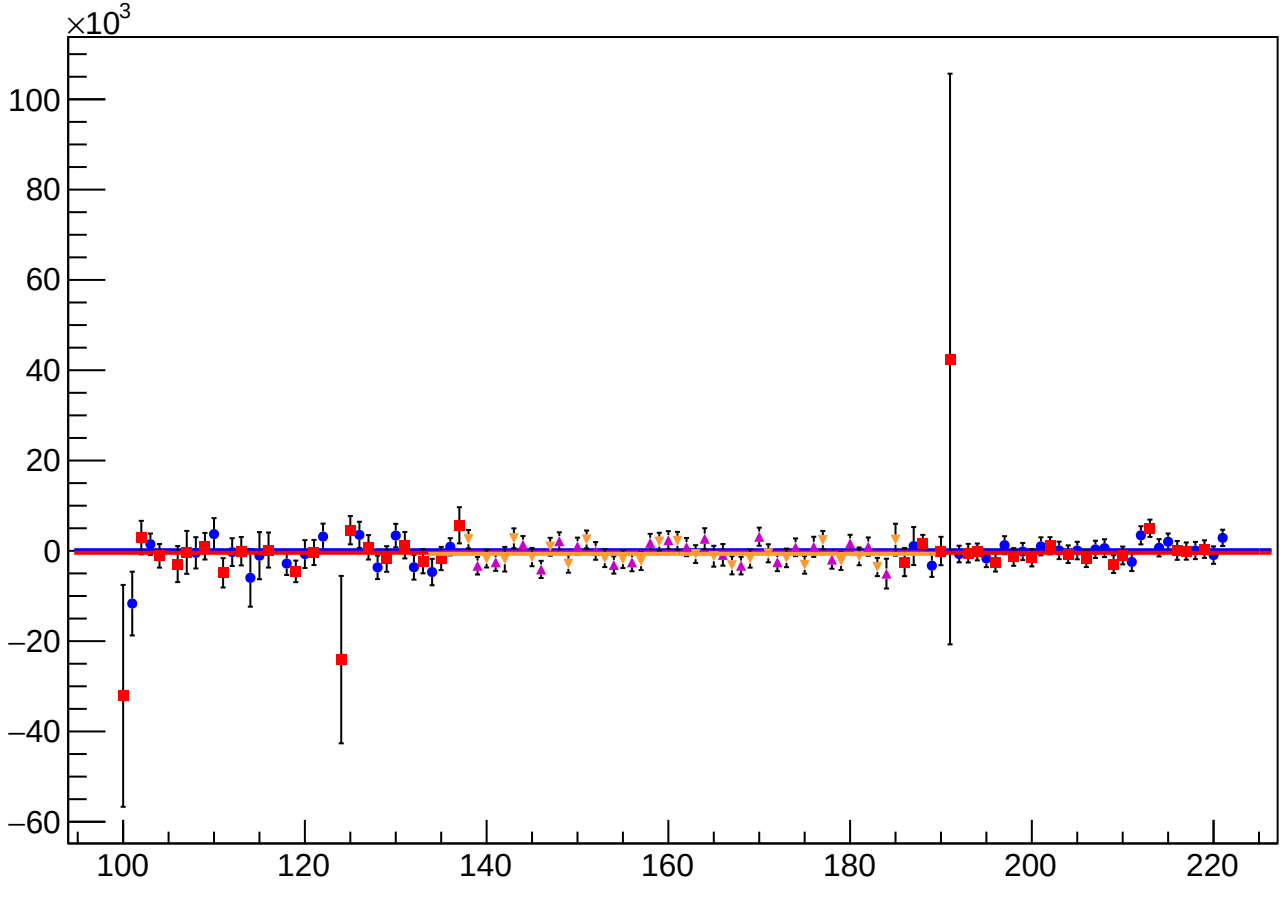
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 659.629+/-0.075 χ^2/NDF: 8185185.2/70

In: 494.445+/-0.058 χ^2/NDF:7322202.7/56

Out: 489.494+/-0.058 χ^2/NDF:9094266.6/61

All: 491.974+/-0.041 χ^2/NDF: 16420105.9/11



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: -432.704+/-407.562 χ^2/NDF: 31.1/36

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

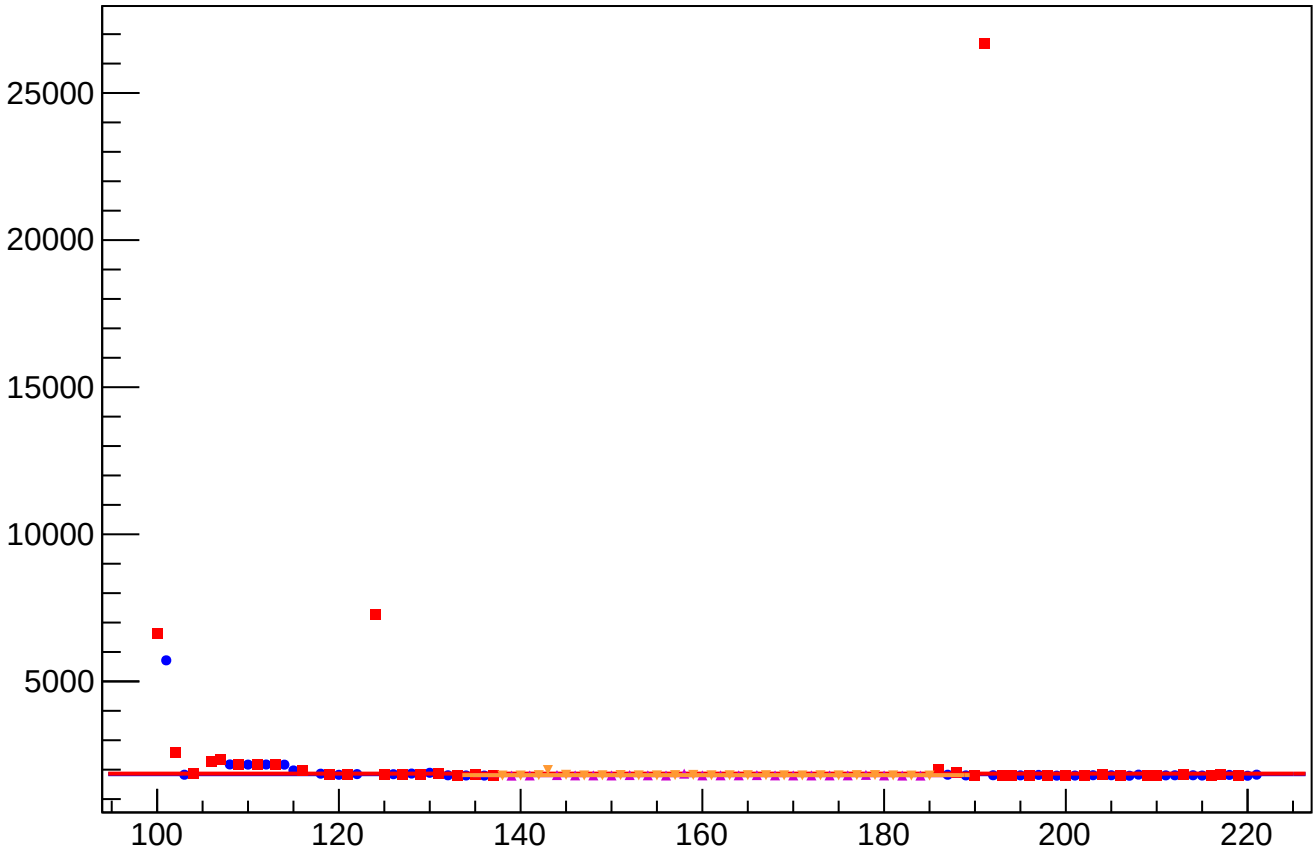
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -137.619+/-283.898 χ^2/NDF: 61.3/70

In: -85.286+/-288.874 χ^2/NDF:60.0/56

Out: -550.023+/-289.818 χ^2/NDF:56.0/61

All: -316.897+/-204.598 χ^2/NDF: 117.3/118



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: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

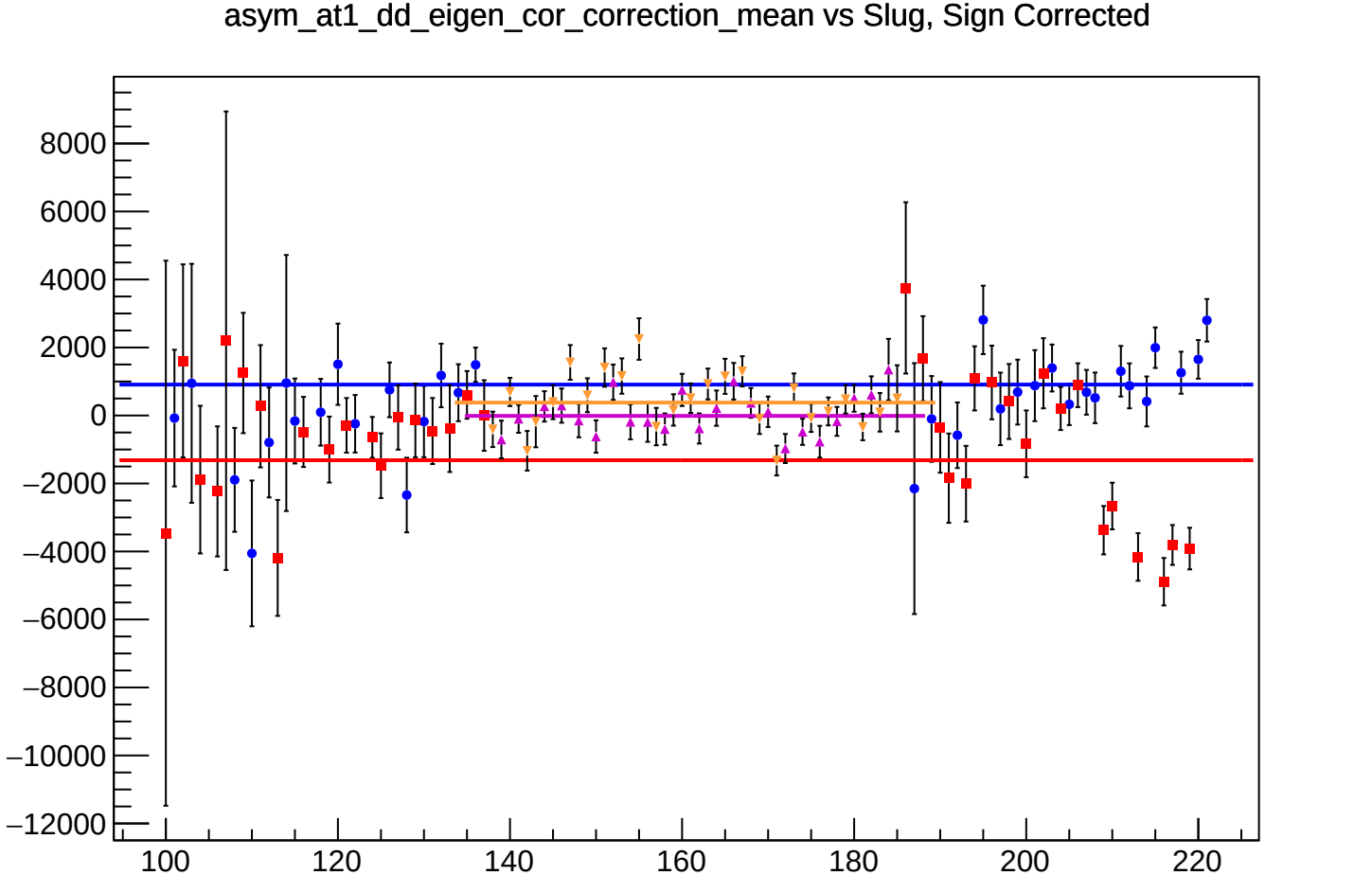
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1855.284+/-0.201 χ^2/NDF: 1452063.4/70

In: 1829.225+/-0.204 χ^2/NDF:691294.4/56

Out: 1840.249+/-0.205 χ^2/NDF:796313.3/61

All: 1834.719+/-0.145 χ^2/NDF: 1489059.0/11



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: -1315.839+/-154.578 χ^2/NDF: 163.6/36

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

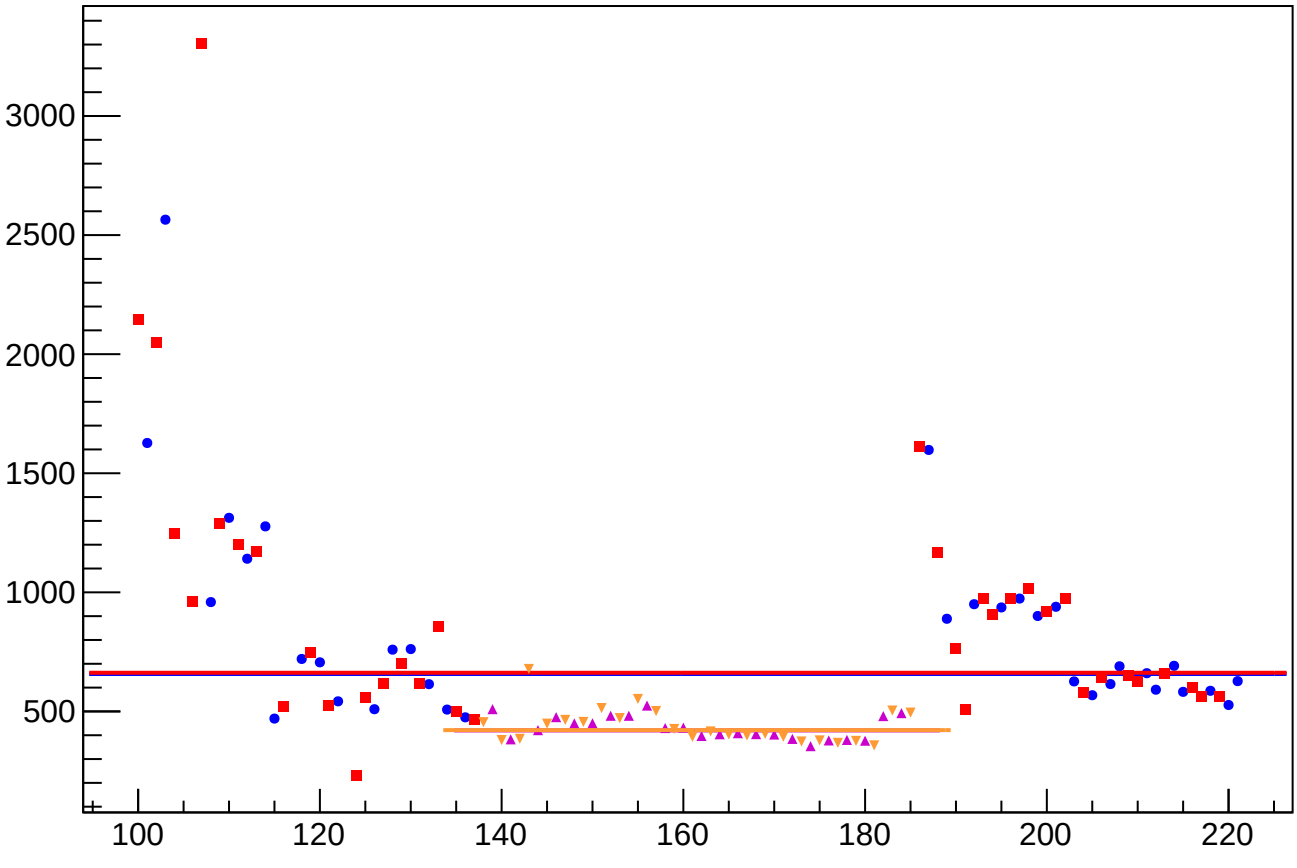
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -144.405+/-106.357 χ^2/NDF: 322.4/70

In: 276.687+/-82.024 χ^2/NDF:108.0/56

Out: -99.684+/-82.171 χ^2/NDF:312.2/61

All: 88.839+/-58.052 χ^2/NDF: 430.7/118



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: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

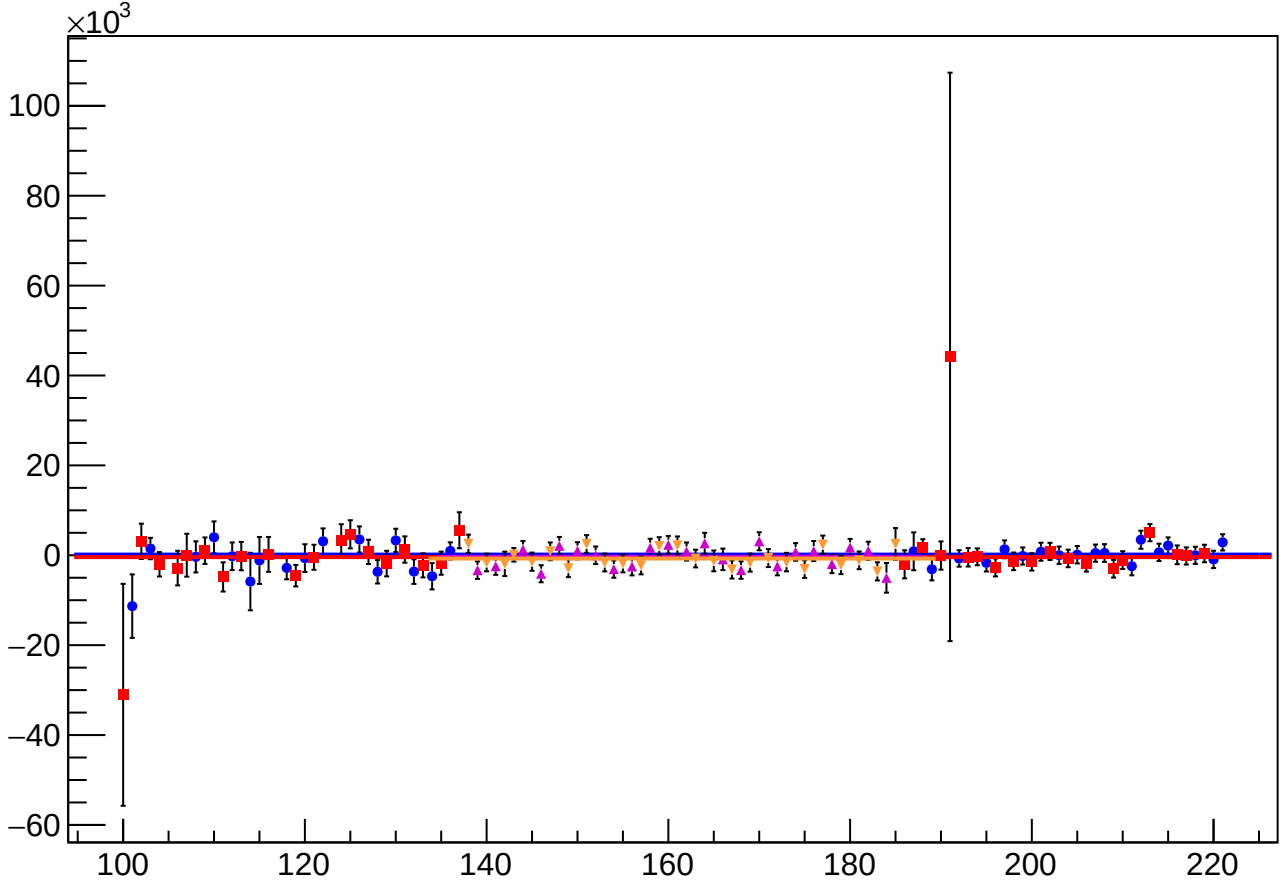
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 659.629+/-0.075 χ^2/NDF: 8185185.2/70

In: 494.445+/-0.058 χ^2/NDF:7322202.7/56

Out: 489.494+/-0.058 χ^2/NDF:9094266.6/61

All: 491.974+/-0.041 χ^2/NDF: 16420105.9/11



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: -409.971+/-405.905 χ^2/NDF: 30.6/36

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

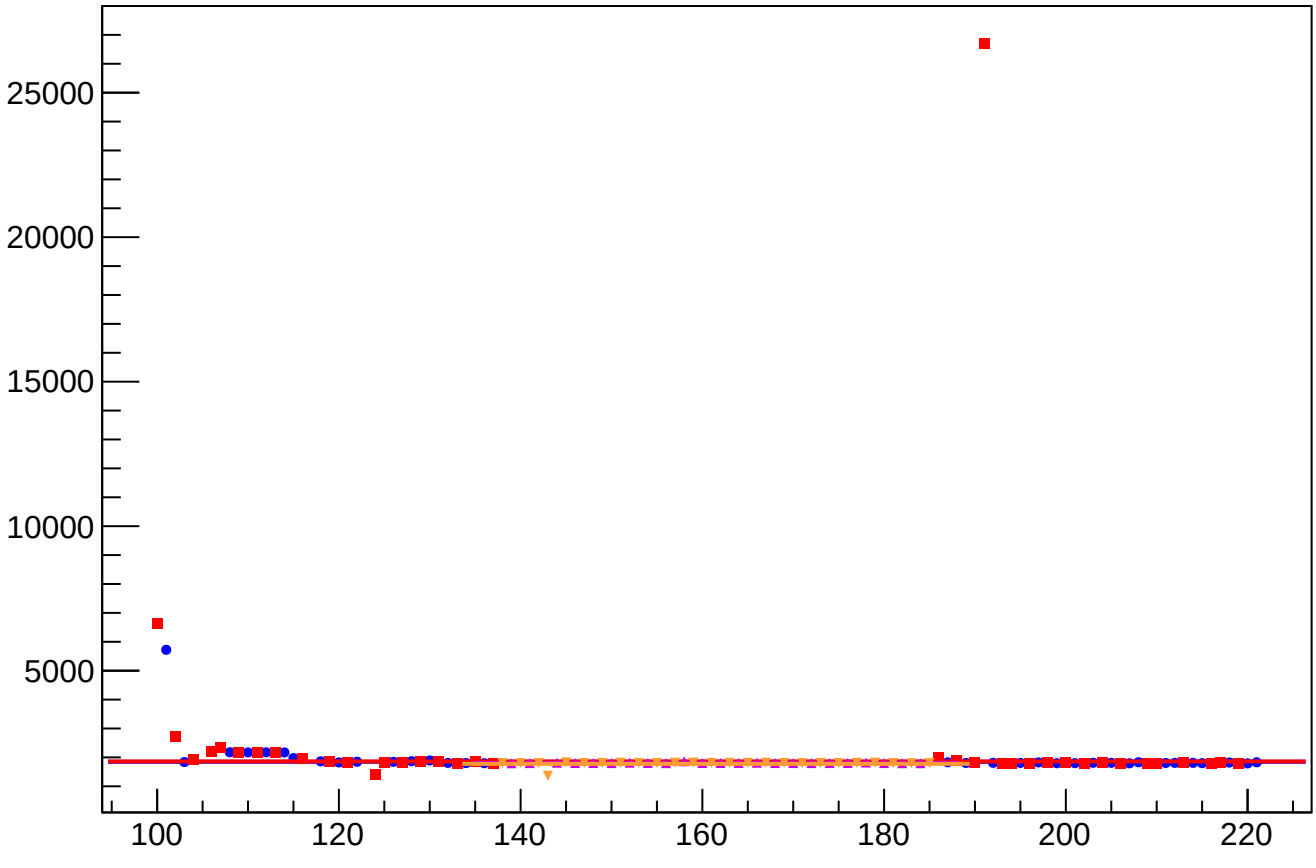
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -122.385+/-283.470 χ^2/NDF: 60.5/70

In: -78.800+/-289.062 χ^2/NDF:59.2/56

Out: -567.827+/-286.491 χ^2/NDF:53.1/61

All: -325.498+/-203.483 χ^2/NDF: 113.8/118



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: 1859.478+/-0.287 χ^2/NDF: 641409.4/36

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

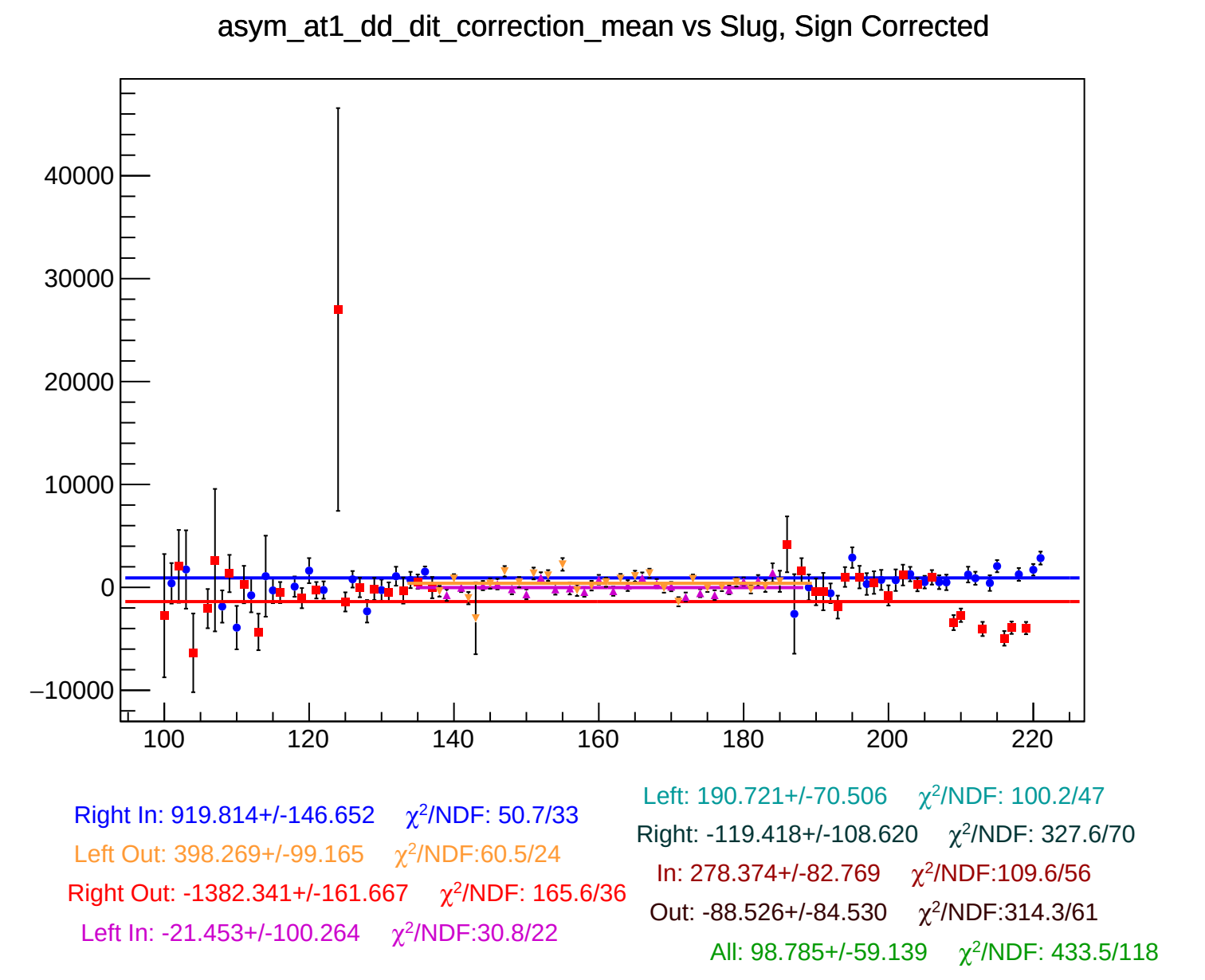
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

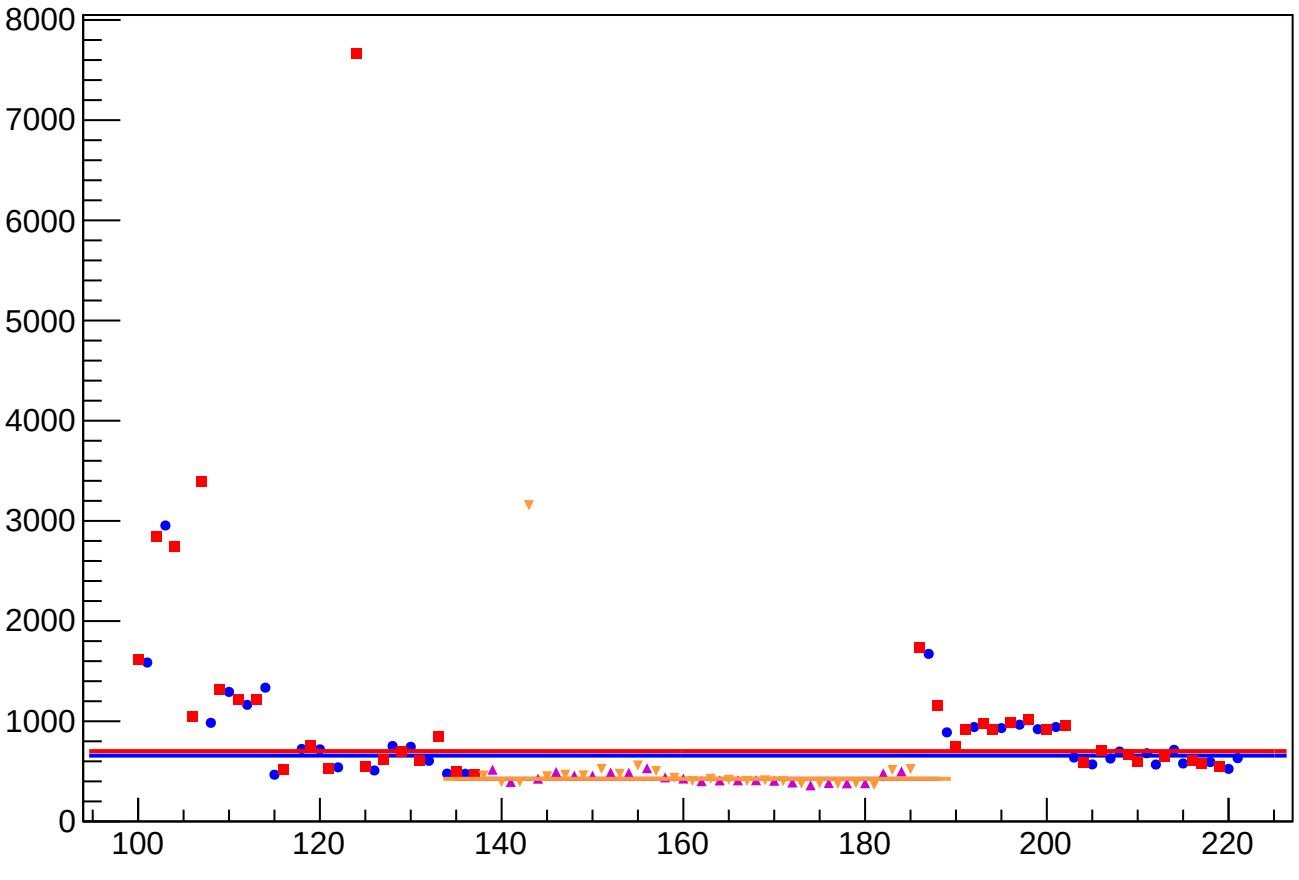
Right: 1853.228+/-0.200 χ^2/NDF: 1324228.8/70

In: 1830.364+/-0.204 χ^2/NDF:691664.4/56

Out: 1817.948+/-0.203 χ^2/NDF:844425.2/61

All: 1824.101+/-0.144 χ^2/NDF: 1537951.1/11


asym_at1_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: 919.814+/-146.652 χ²/NDF: 50.7/33
Left Out: 398.269+/-99.165 χ²/NDF:60.5/24
Right Out: -1382.341+/-161.667 χ²/NDF: 165.6/36
Left In: -21.453+/-100.264 χ²/NDF:30.8/22
Left: 190.721+/-70.506 χ²/NDF: 100.2/47
Right: -119.418+/-108.620 χ²/NDF: 327.6/70
In: 278.374+/-82.769 χ²/NDF:109.6/56
Out: -88.526+/-84.530 χ²/NDF:314.3/61
All: 98.785+/-59.139 χ²/NDF: 433.5/118



Right In: 657.296+/-0.104 χ^2/NDF: 3529824.2/33

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 702.341+/-0.114 χ^2/NDF: 4796440.2/36

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

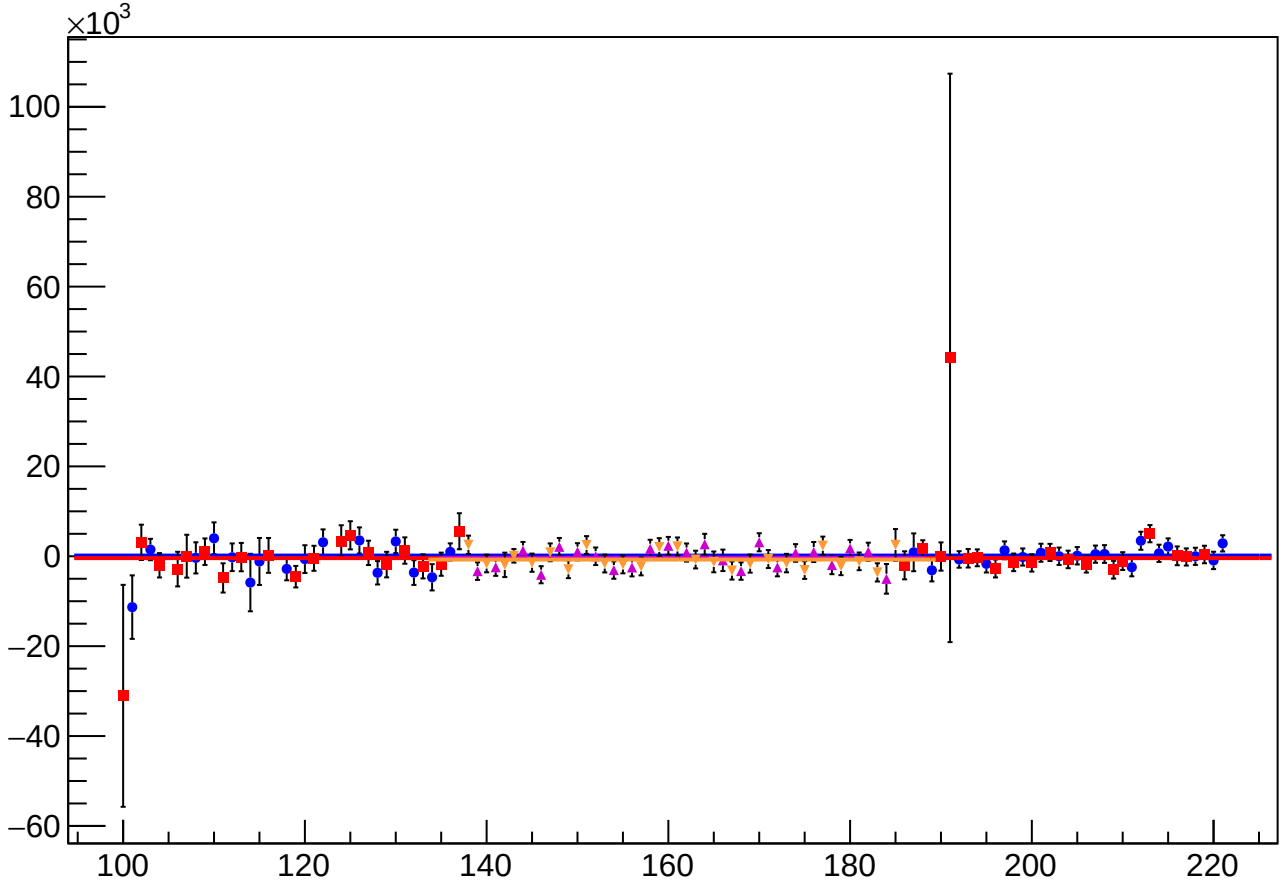
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 677.630+/-0.077 χ^2/NDF: 8411442.6/70

In: 499.774+/-0.059 χ^2/NDF:7331263.0/56

Out: 501.328+/-0.060 χ^2/NDF:10769943.0/61

All: 500.535+/-0.042 χ^2/NDF: 18101550.7/11



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: -409.969+/-405.905 χ^2/NDF: 30.6/36

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

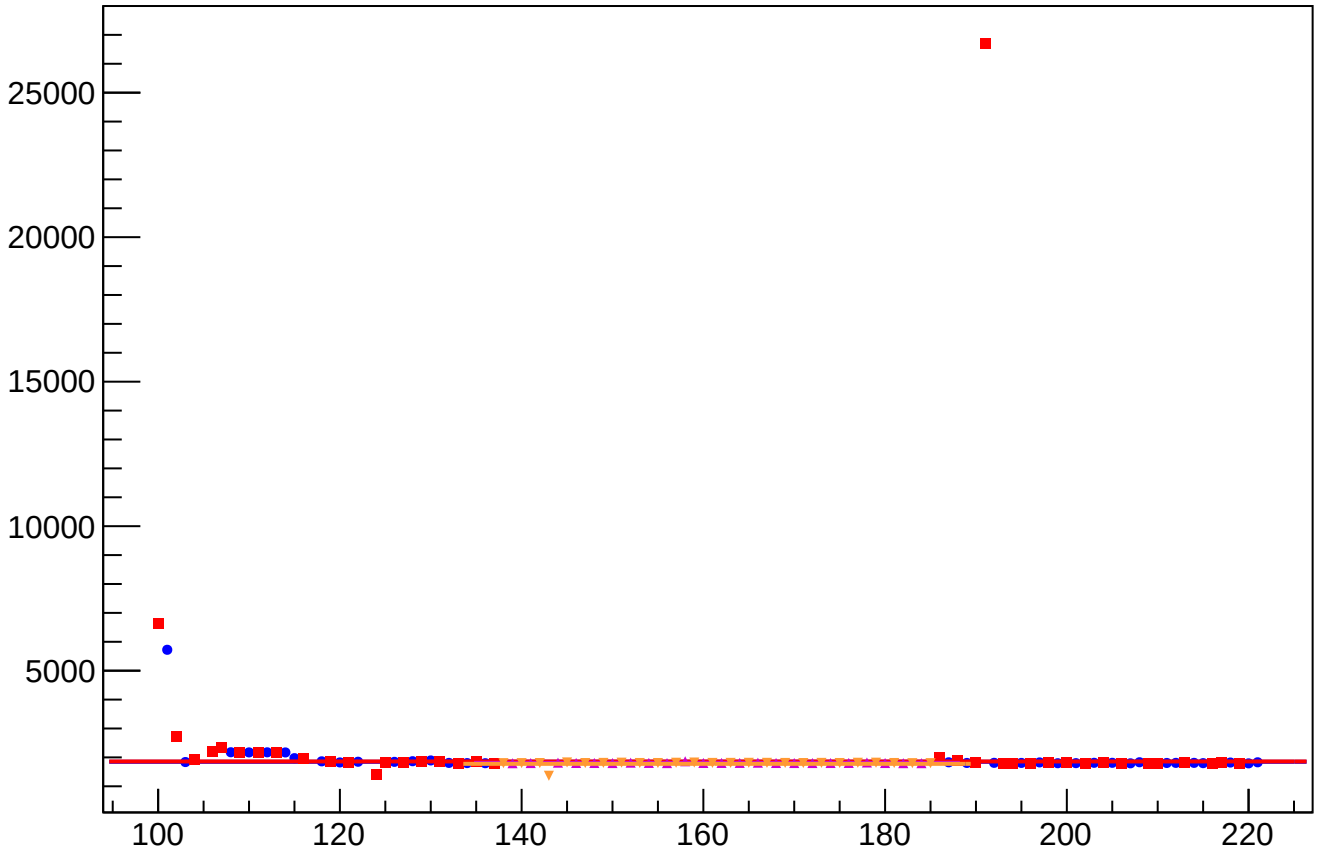
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -122.385+/-283.470 χ^2/NDF: 60.5/70

In: -78.801+/-289.062 χ^2/NDF:59.2/56

Out: -567.826+/-286.491 χ^2/NDF:53.1/61

All: -325.498+/-203.483 χ^2/NDF: 113.8/118



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: 1859.478+/-0.287 χ^2/NDF: 641409.2/36

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

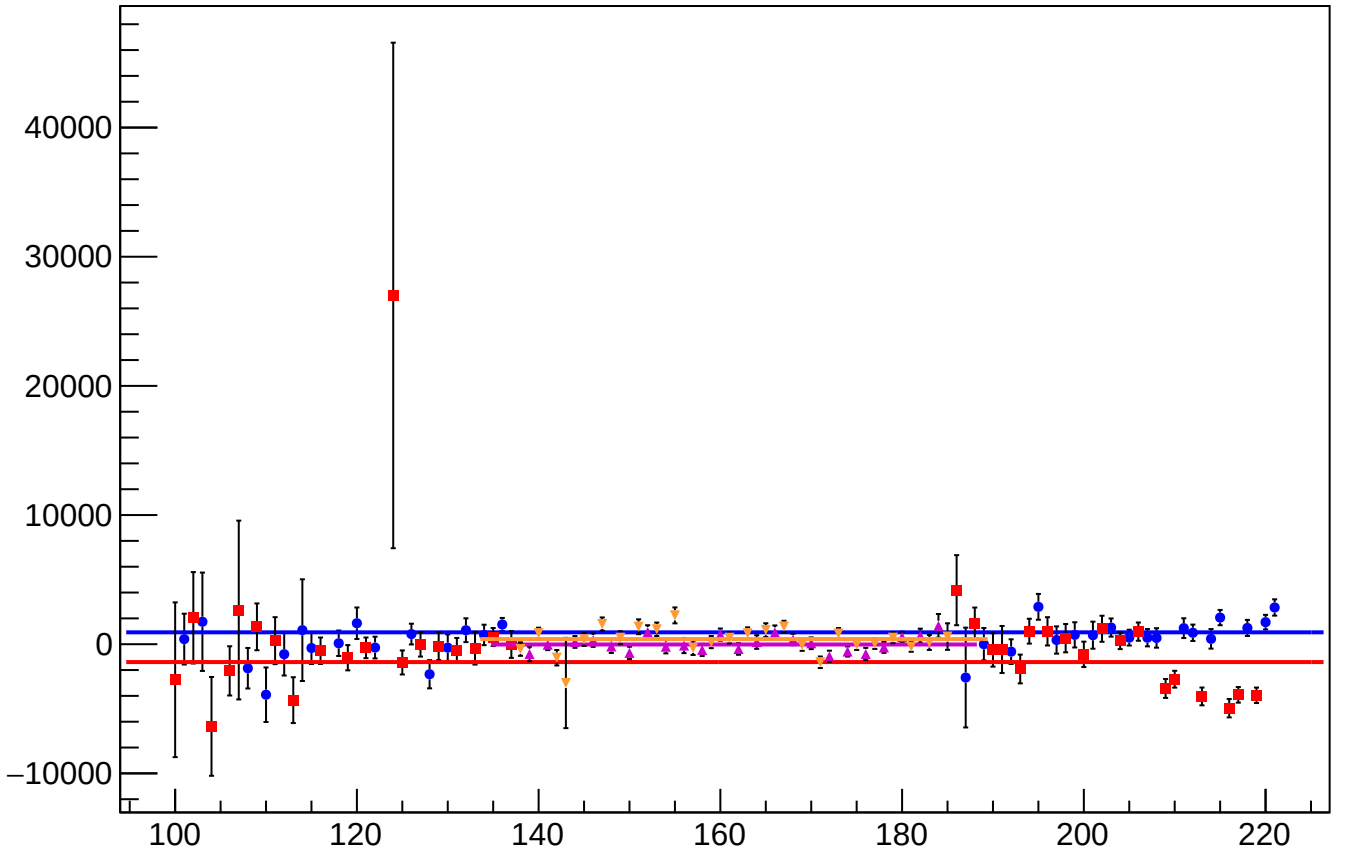
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1853.228+/-0.200 χ^2/NDF: 1324228.6/70

In: 1830.364+/-0.204 χ^2/NDF:691664.4/56

Out: 1817.948+/-0.203 χ^2/NDF:844424.9/61

All: 1824.101+/-0.144 χ^2/NDF: 1537950.9/11



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: -1382.337+/-161.667 χ^2/NDF: 165.6/36

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

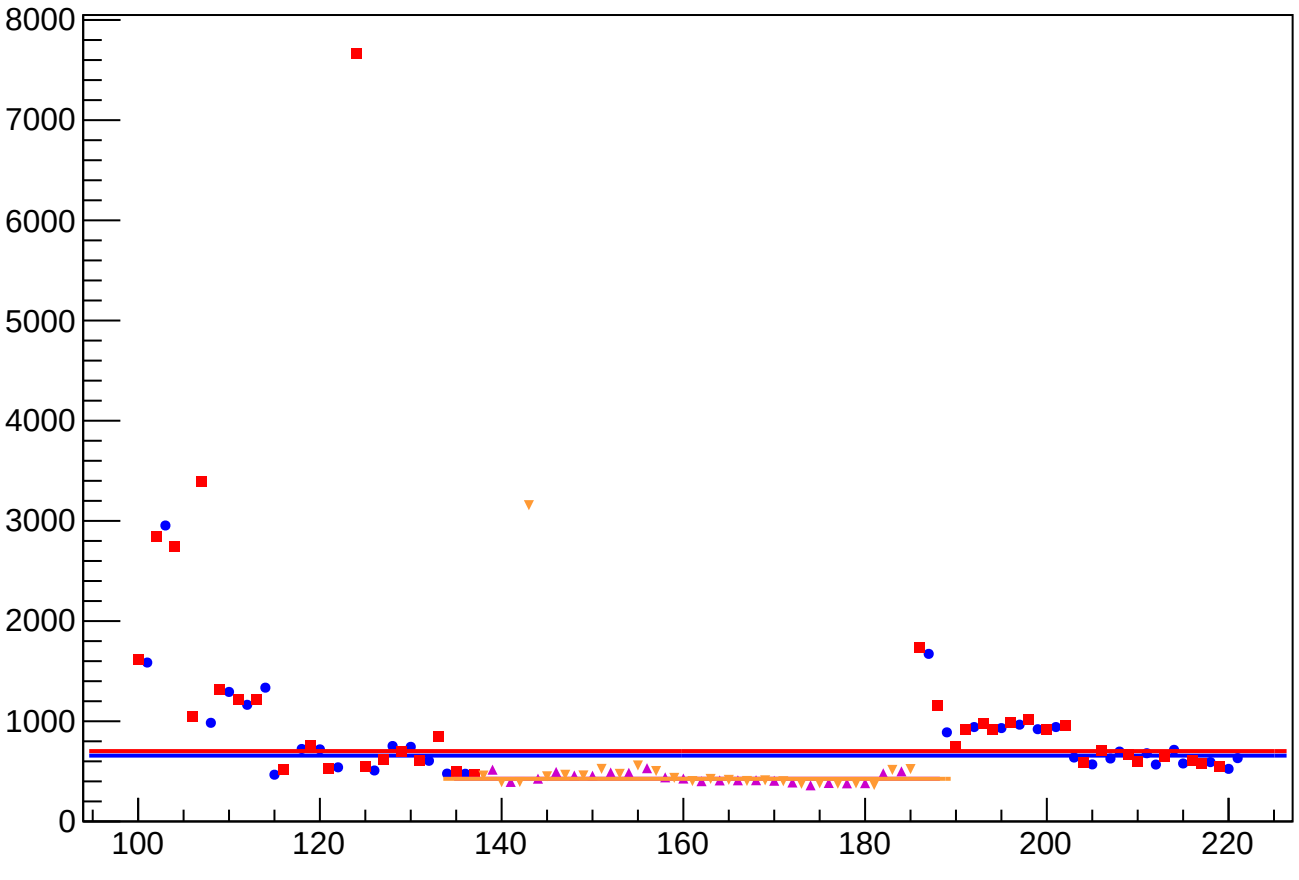
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: -119.418+/-108.620 χ^2/NDF: 327.6/70

In: 278.373+/-82.769 χ^2/NDF:109.6/56

Out: -88.524+/-84.530 χ^2/NDF:314.3/61

All: 98.785+/-59.139 χ^2/NDF: 433.5/118



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: 702.342+/-0.114 χ^2/NDF: 4796435.8/36

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

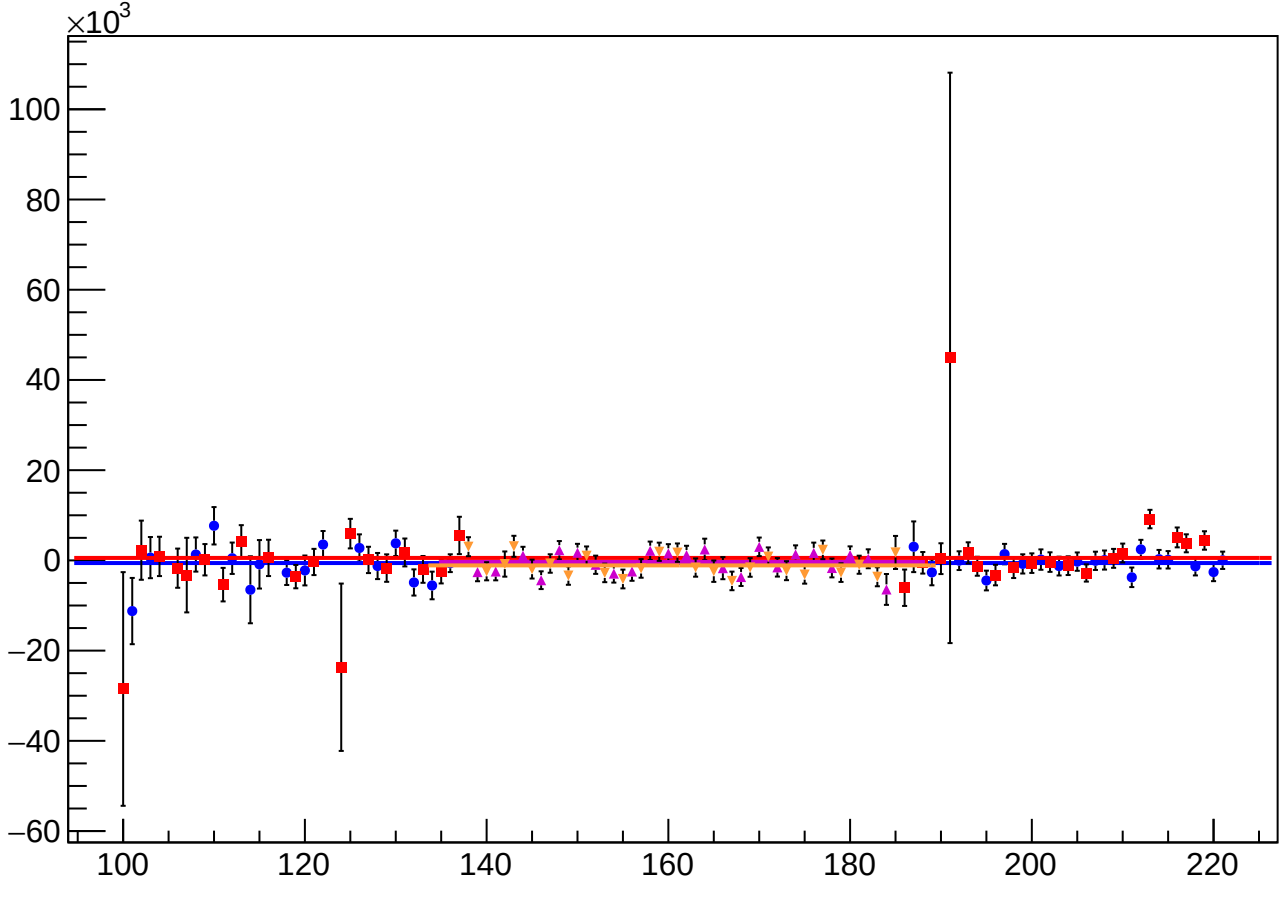
Right: 677.631+/-0.077 χ^2/NDF: 8411437.4/70

In: 499.774+/-0.059 χ^2/NDF:7331280.6/56

Out: 501.327+/-0.060 χ^2/NDF:10769963.9/61

All: 500.534+/-0.042 χ^2/NDF: 18101589.3/11

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: 548.458+/-452.120 χ^2/NDF: 57.5/36

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

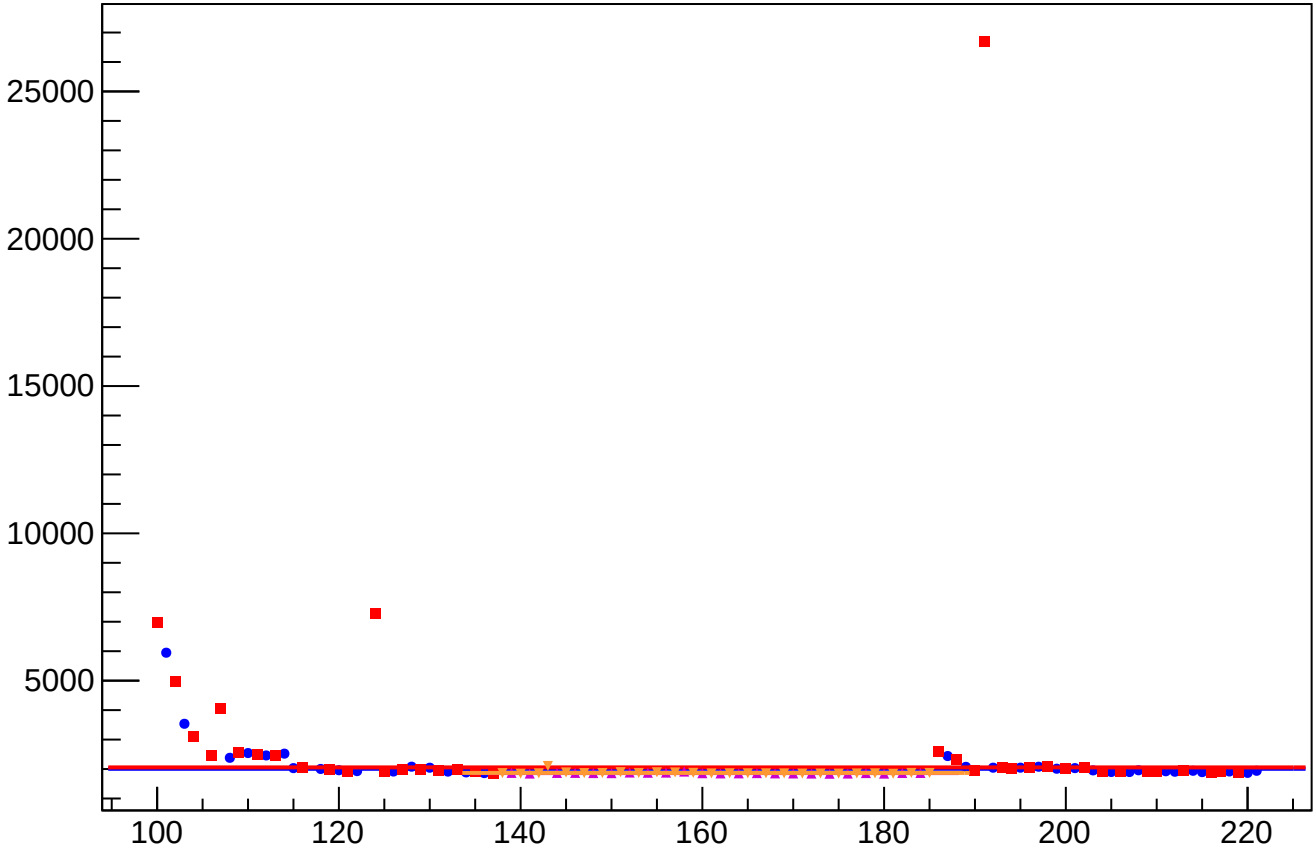
Right: -45.186+/-312.363 χ^2/NDF: 90.2/70

In: -467.926+/-306.527 χ^2/NDF:58.3/56

Out: -330.450+/-309.528 χ^2/NDF:92.6/61

All: -399.857+/-217.801 χ^2/NDF: 151.1/118

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: 2055.591+/-0.320 χ^2/NDF: 1445658.9/36

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

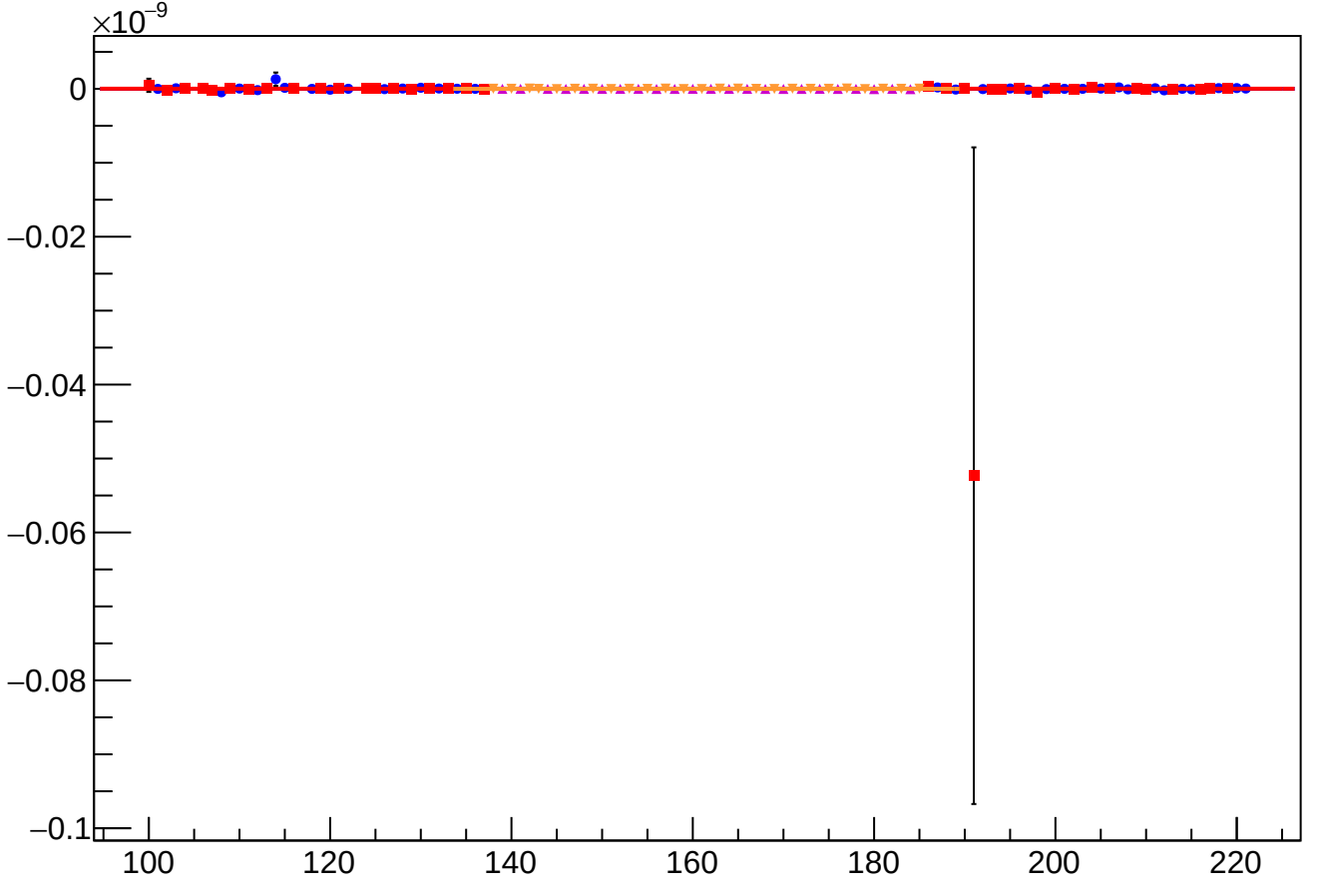
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2030.704+/-0.221 χ^2/NDF: 2437389.9/70

In: 1935.886+/-0.217 χ^2/NDF:1094960.4/56

Out: 1956.423+/-0.219 χ^2/NDF:1650074.9/61

All: 1946.055+/-0.154 χ^2/NDF: 2749480.4/11



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: 34.5/36

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

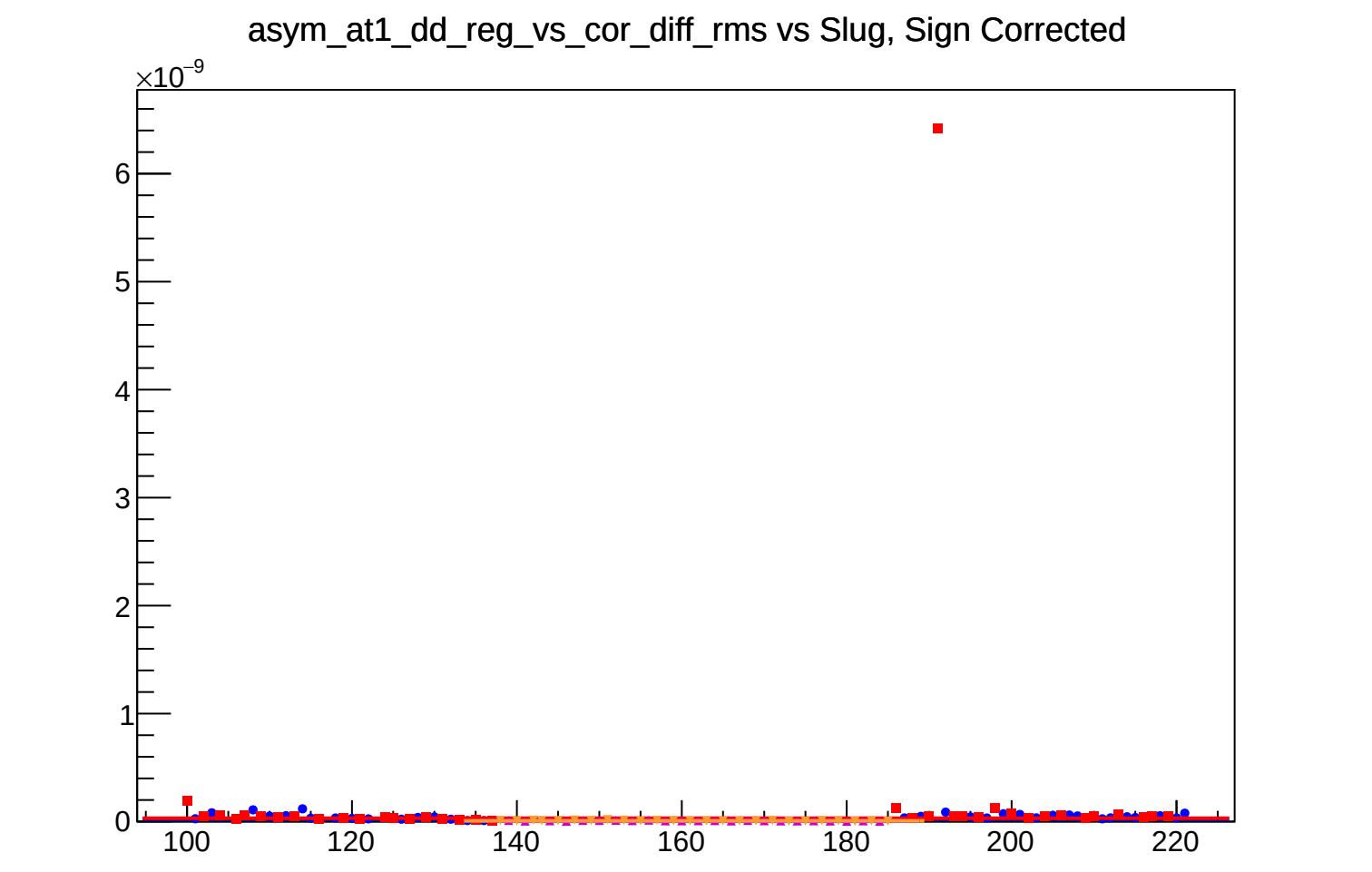
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 76.3/70

In: -0.000+/-0.000 χ^2/NDF:58.6/56

Out: 0.000+/-0.000 χ^2/NDF:78.2/61

All: -0.000+/-0.000 χ^2/NDF: 138.6/118



Right In: 0.000+/-0.000 χ^2/NDF: 6167235.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4003895.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

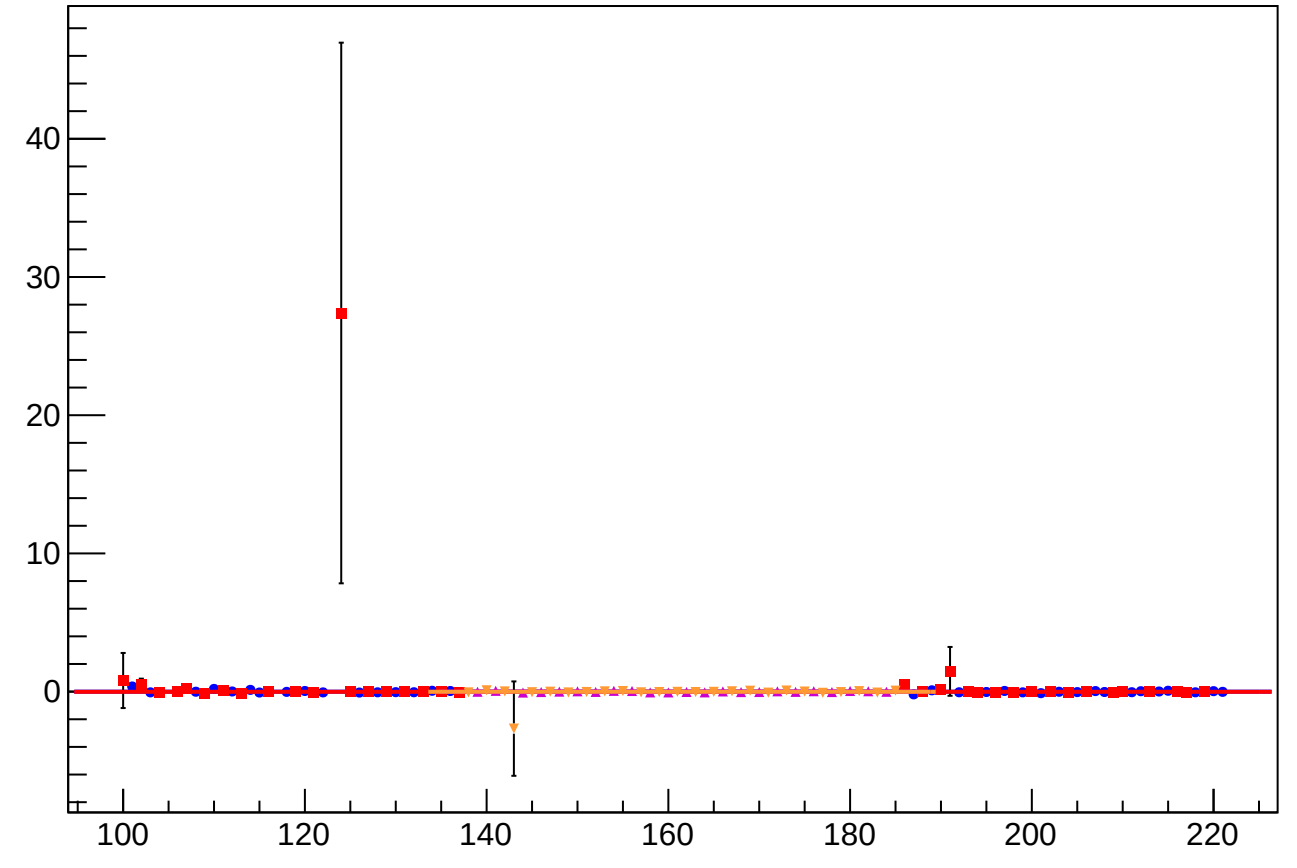
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10646746.5/70

In: 0.000+/-0.000 χ^2/NDF:12404797.6/56

Out: 0.000+/-0.000 χ^2/NDF:12801430.6/61

All: 0.000+/-0.000 χ^2/NDF: 25209083.3/118



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: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

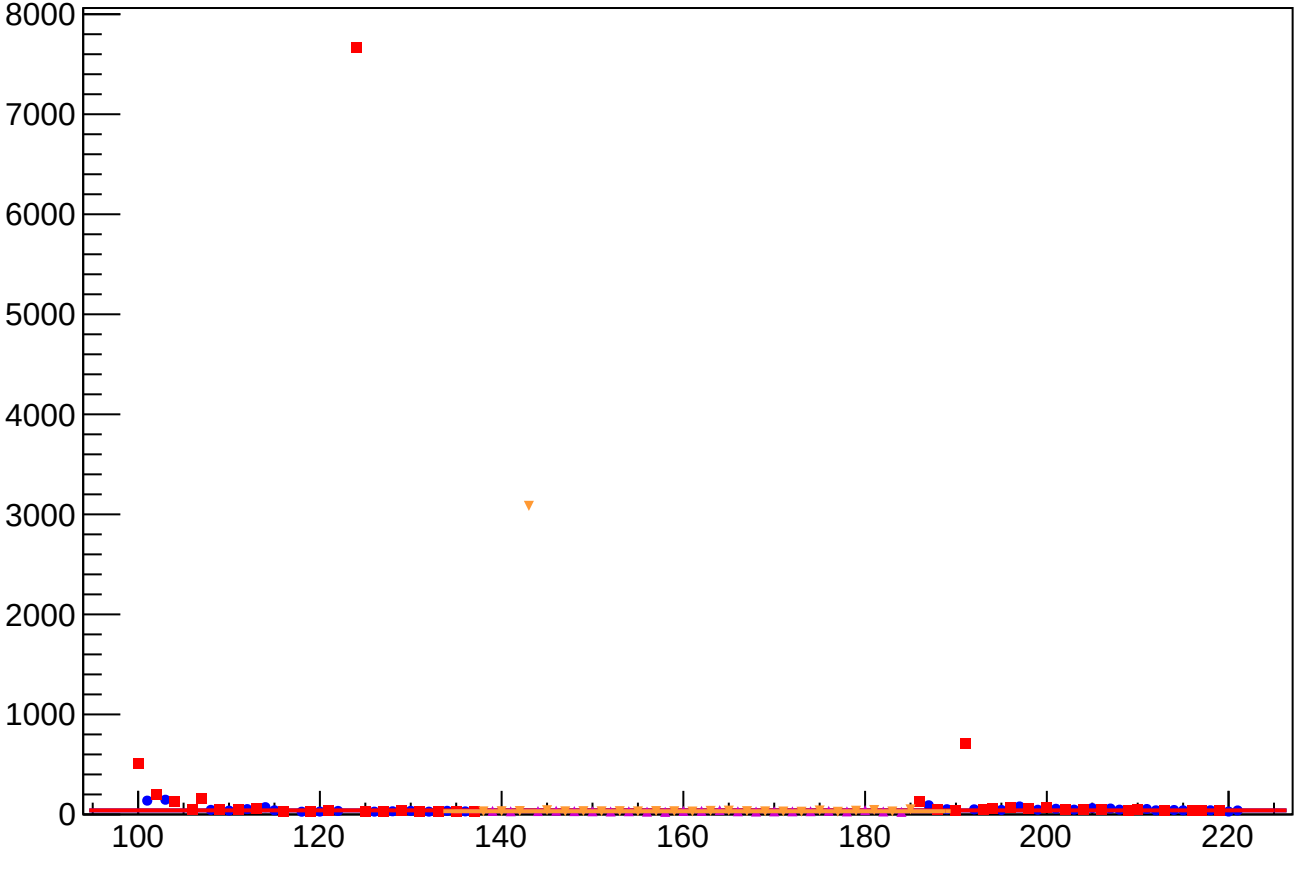
Right: -0.007+/-0.007 χ^2/NDF: 64.5/70

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

All: -0.007+/-0.005 χ^2/NDF: 125.2/118

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: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

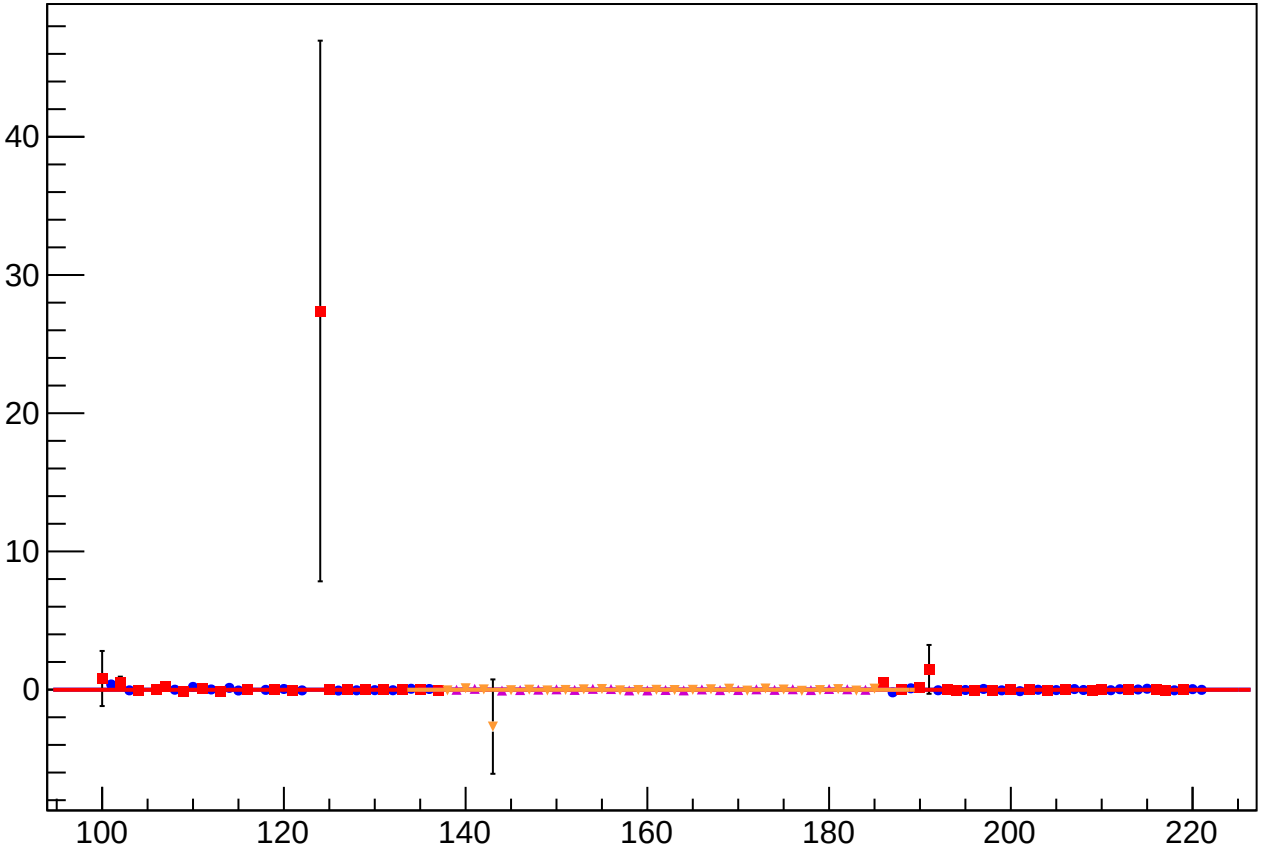
Right: 40.606+/-0.005 χ^2/NDF: 7951730.2/70

In: 35.746+/-0.004 χ^2/NDF:4784457.7/56

Out: 35.631+/-0.005 χ^2/NDF:7331618.9/61

All: 35.689+/-0.003 χ^2/NDF: 12116400.9/118

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: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

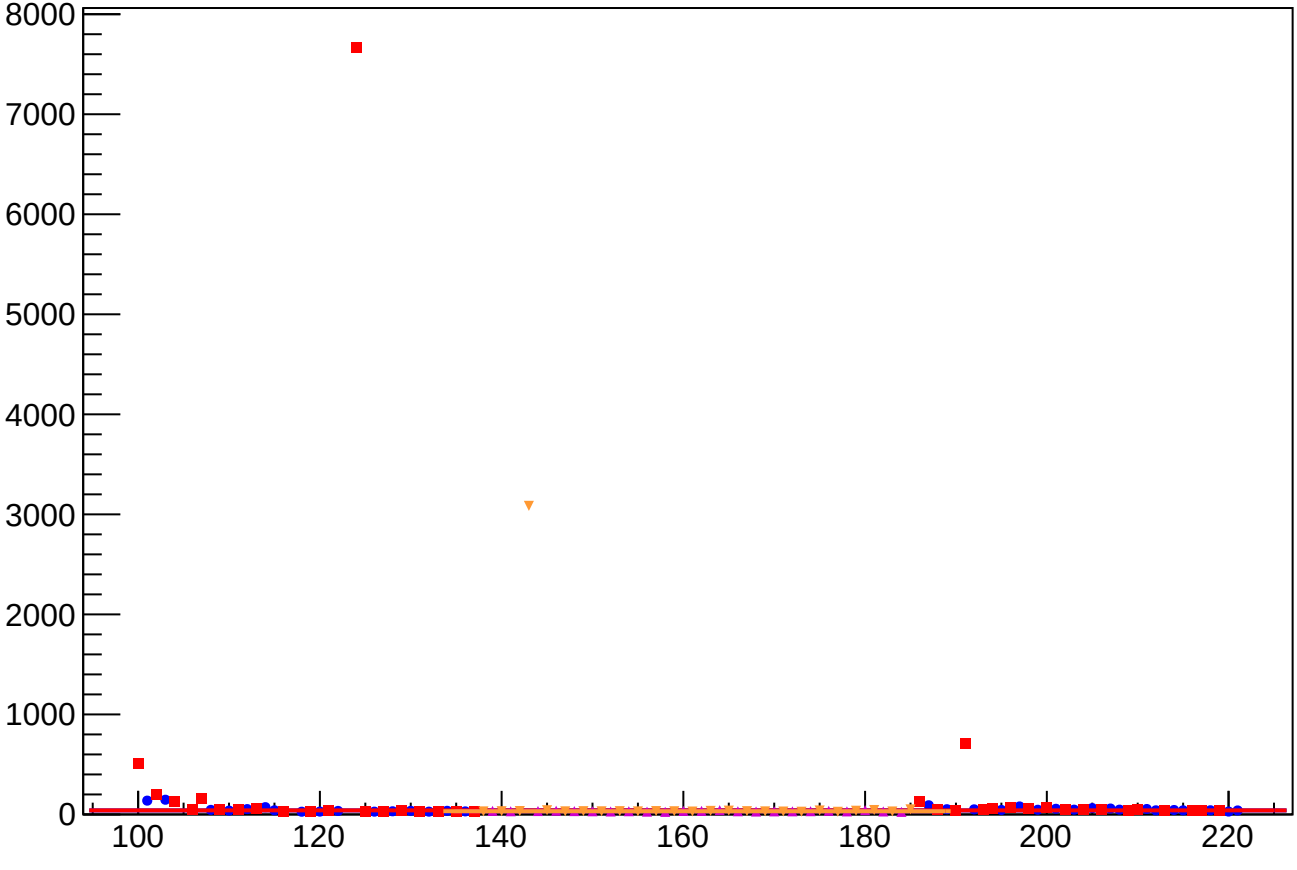
Right: -0.007+/-0.007 χ^2/NDF: 64.5/70

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

All: -0.007+/-0.005 χ^2/NDF: 125.2/118

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: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

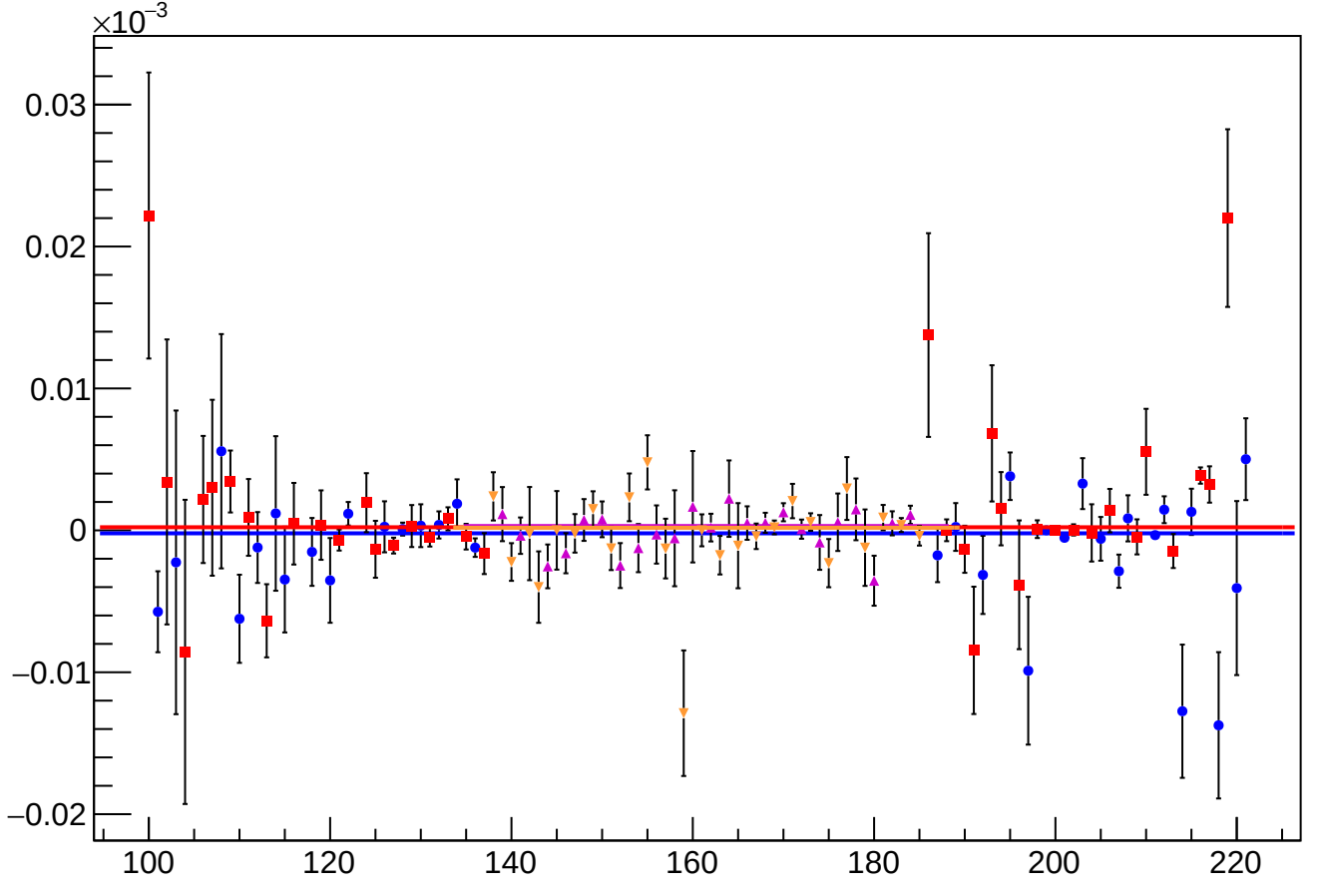
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.606+/-0.005 χ^2/NDF: 7951730.2/70

In: 35.746+/-0.004 χ^2/NDF:4784457.7/56

Out: 35.631+/-0.005 χ^2/NDF:7331618.9/61

All: 35.689+/-0.003 χ^2/NDF: 12116400.9/118



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: 102.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

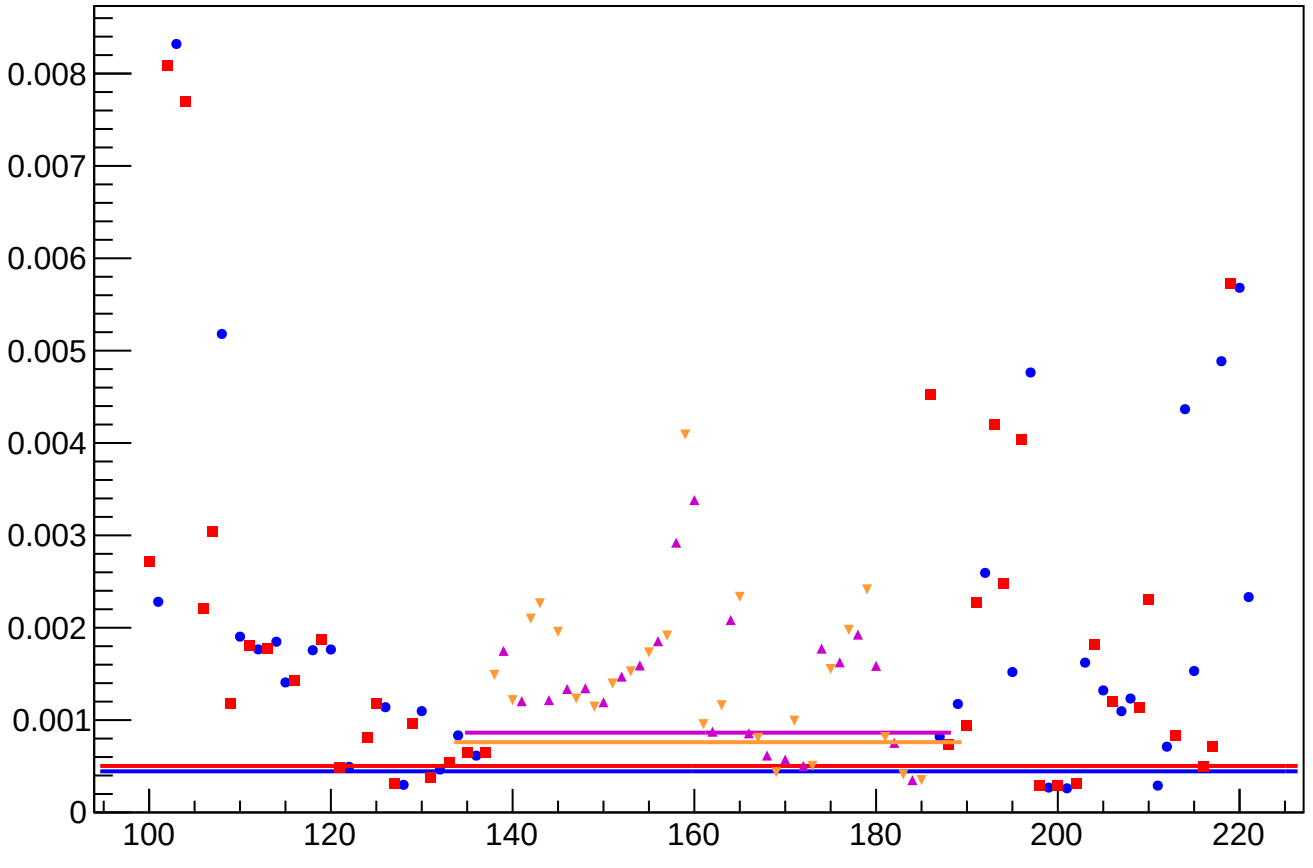
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 169.0/70

In: -0.000+/-0.000 χ^2/NDF:86.0/56

Out: 0.000+/-0.000 χ^2/NDF:140.2/61

All: 0.000+/-0.000 χ^2/NDF: 228.7/118



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: 16190110.7/36

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

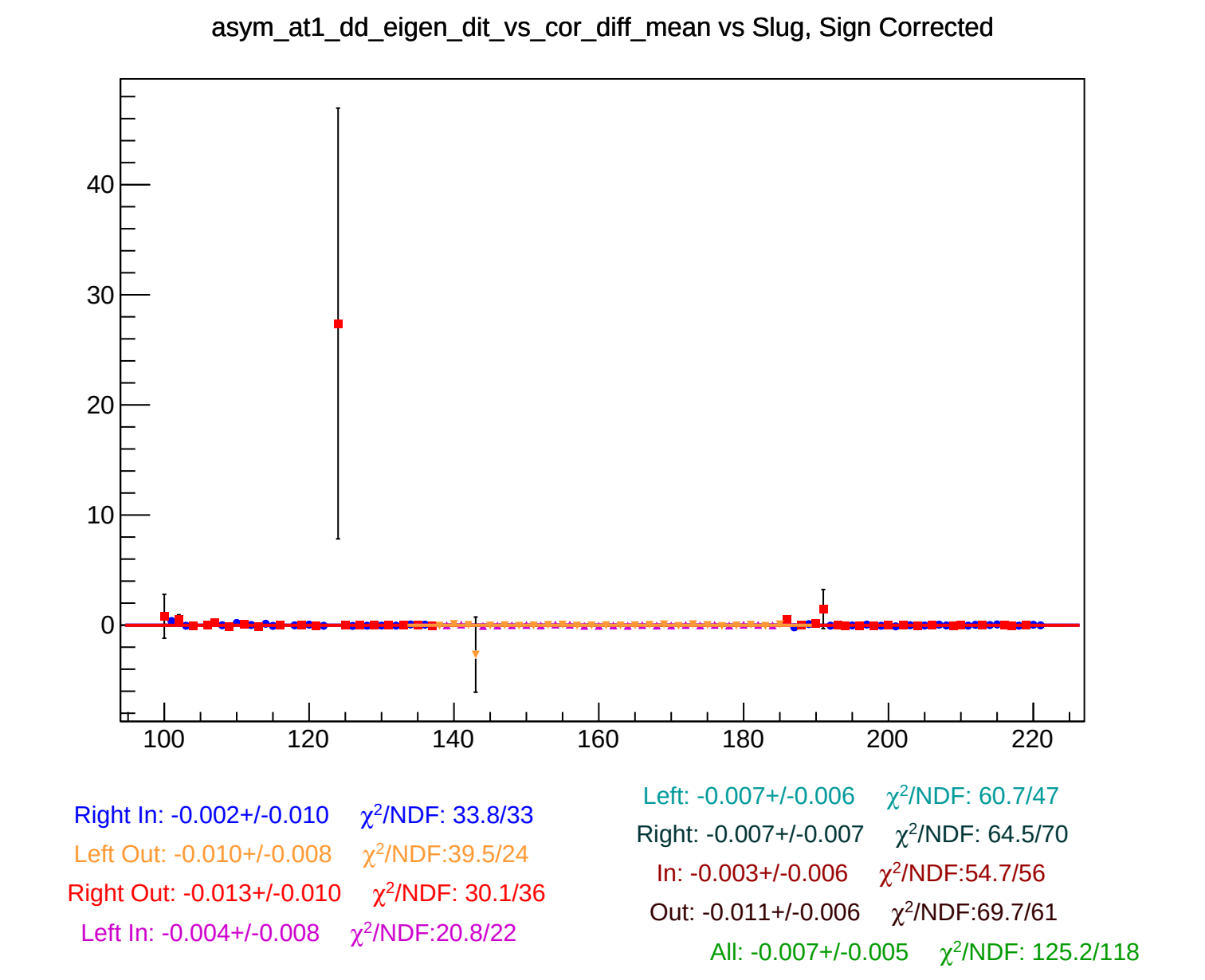
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 36994007.0/70

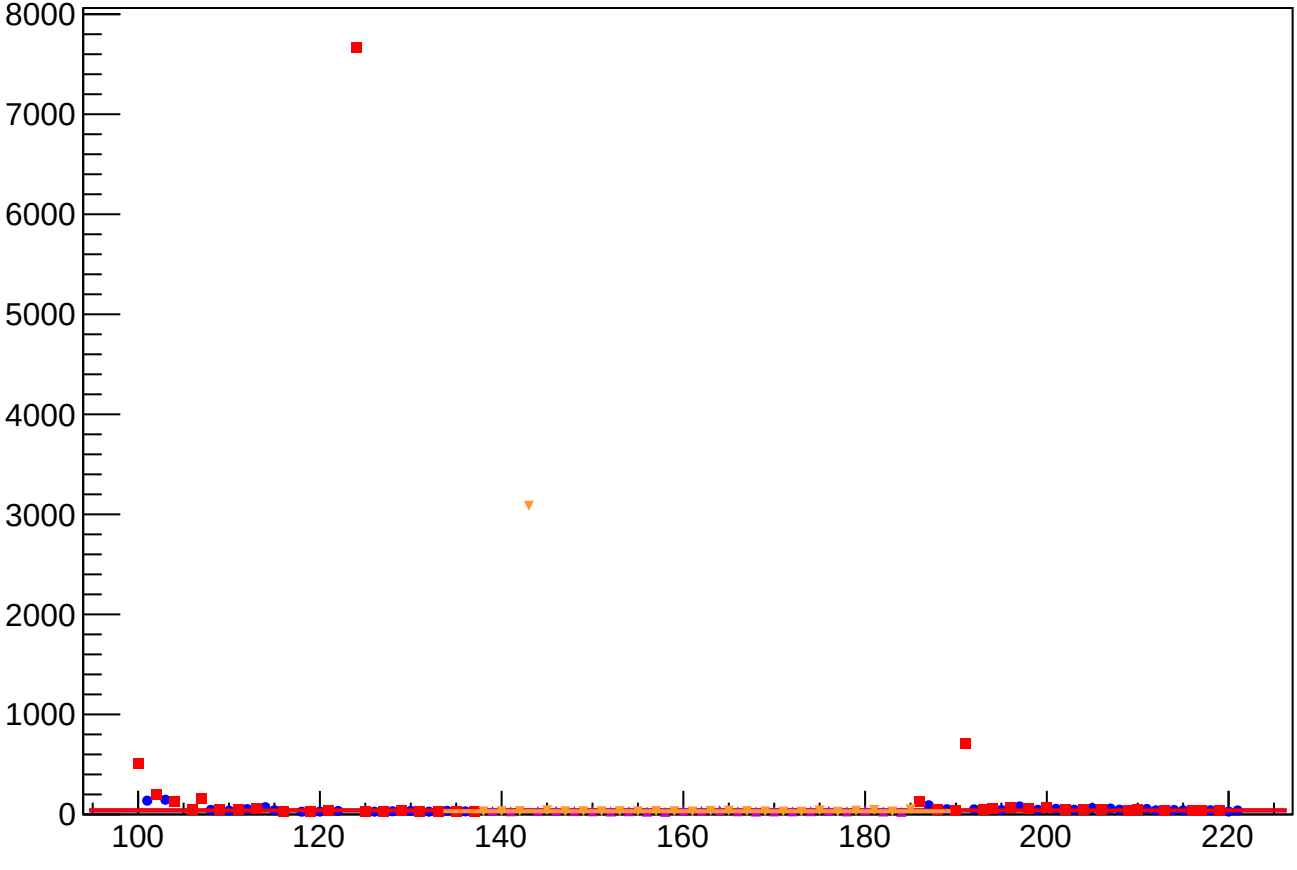
In: 0.001+/-0.000 χ^2/NDF:33617441.1/56

Out: 0.001+/-0.000 χ^2/NDF:29164653.5/61

All: 0.001+/-0.000 χ^2/NDF: 62891469.2/118


asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
120
140
160
180
200
220
Right In: -0.002+/-0.010 χ²/NDF: 33.8/33
Left Out: -0.010+/-0.008 χ²/NDF:39.5/24
Right Out: -0.013+/-0.010 χ²/NDF: 30.1/36
Left In: -0.004+/-0.008 χ²/NDF:20.8/22
Left: -0.007+/-0.006 χ²/NDF: 60.7/47
Right: -0.007+/-0.007 χ²/NDF: 64.5/70
In: -0.003+/-0.006 χ²/NDF:54.7/56
Out: -0.011+/-0.006 χ²/NDF:69.7/61
All: -0.007+/-0.005 χ²/NDF: 125.2/118

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: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

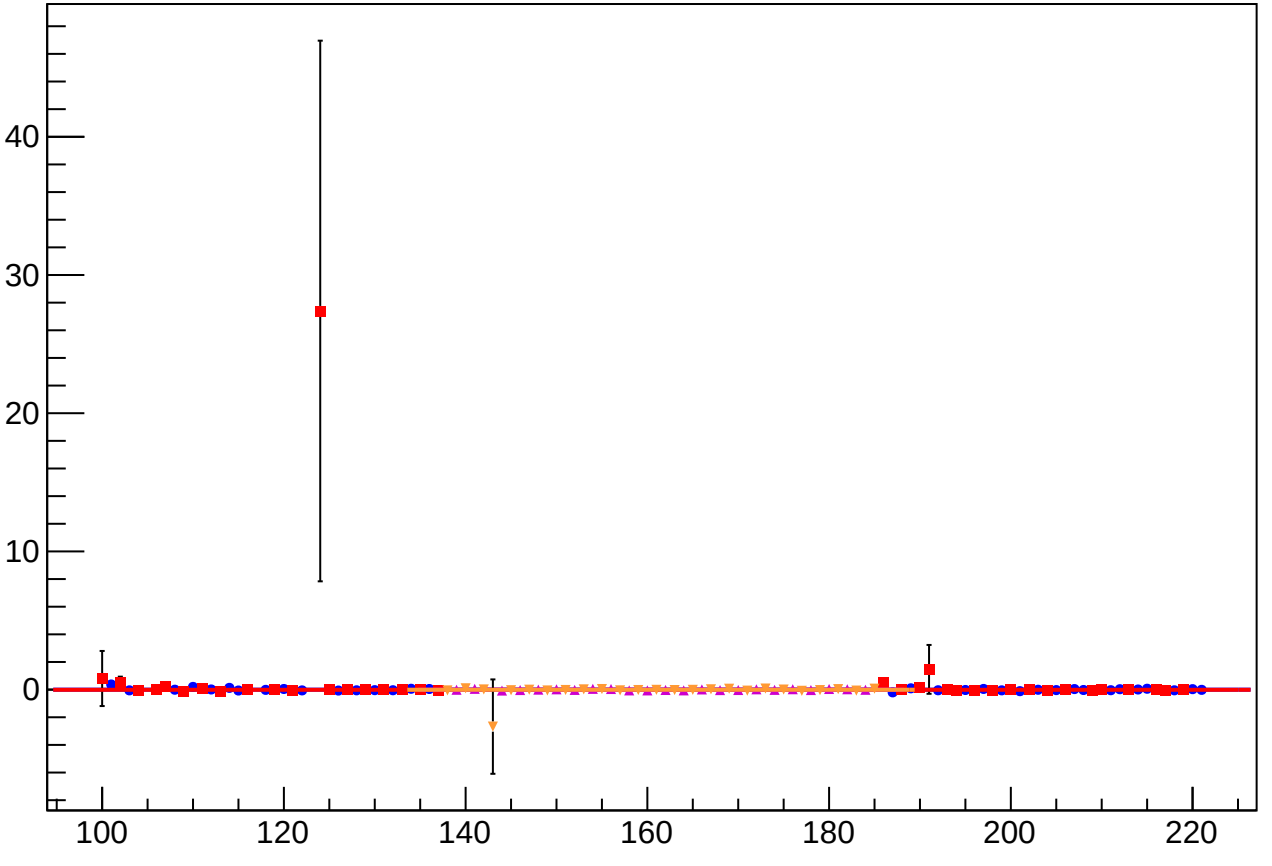
Right: 40.606+/-0.005 χ^2/NDF: 7951602.1/70

In: 35.746+/-0.004 χ^2/NDF:4784257.7/56

Out: 35.631+/-0.005 χ^2/NDF:7331673.1/61

All: 35.689+/-0.003 χ^2/NDF: 12116257.4/118

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: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

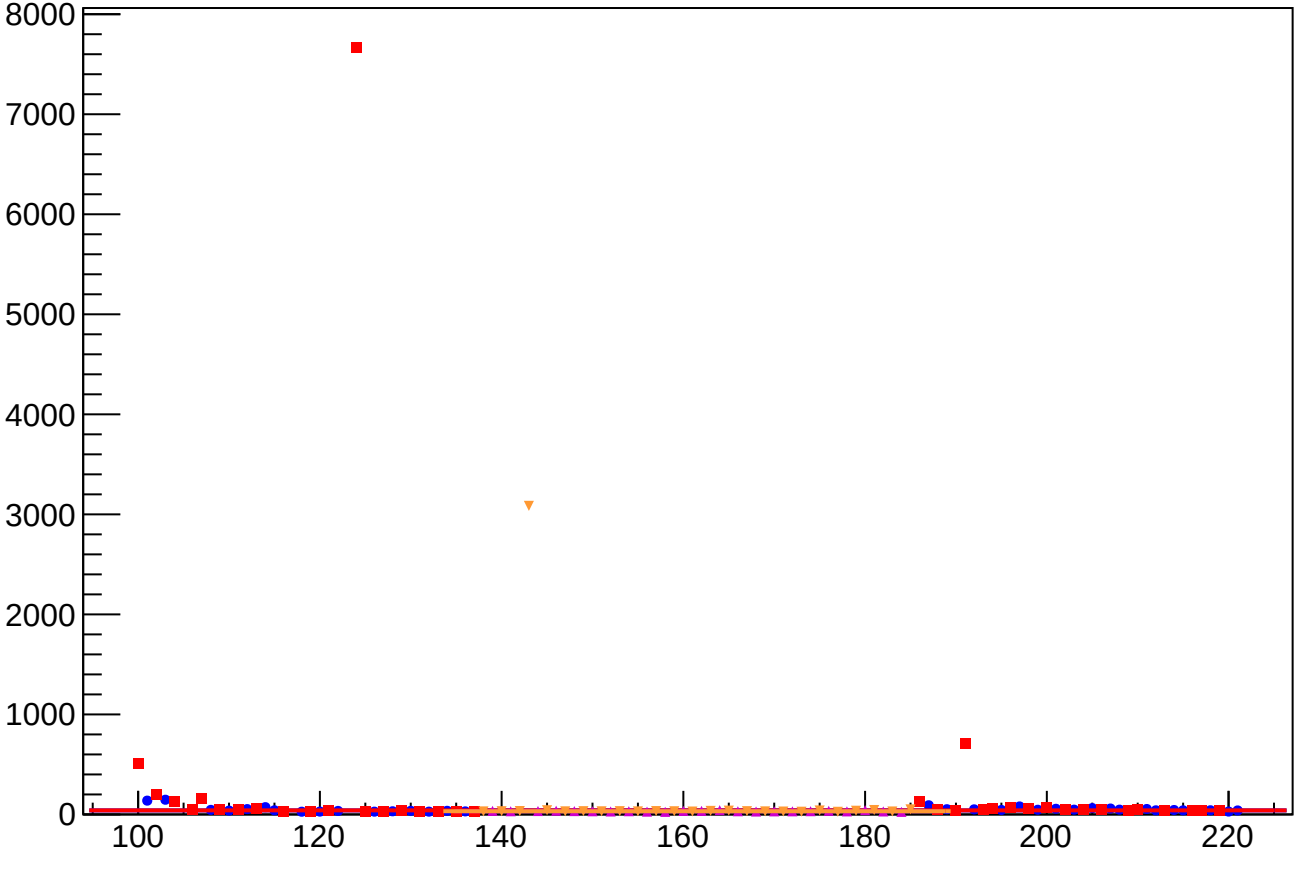
Right: -0.007+/-0.007 χ^2/NDF: 64.5/70

In: -0.003+/-0.006 χ^2/NDF:54.7/56

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

All: -0.007+/-0.005 χ^2/NDF: 125.2/118

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: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

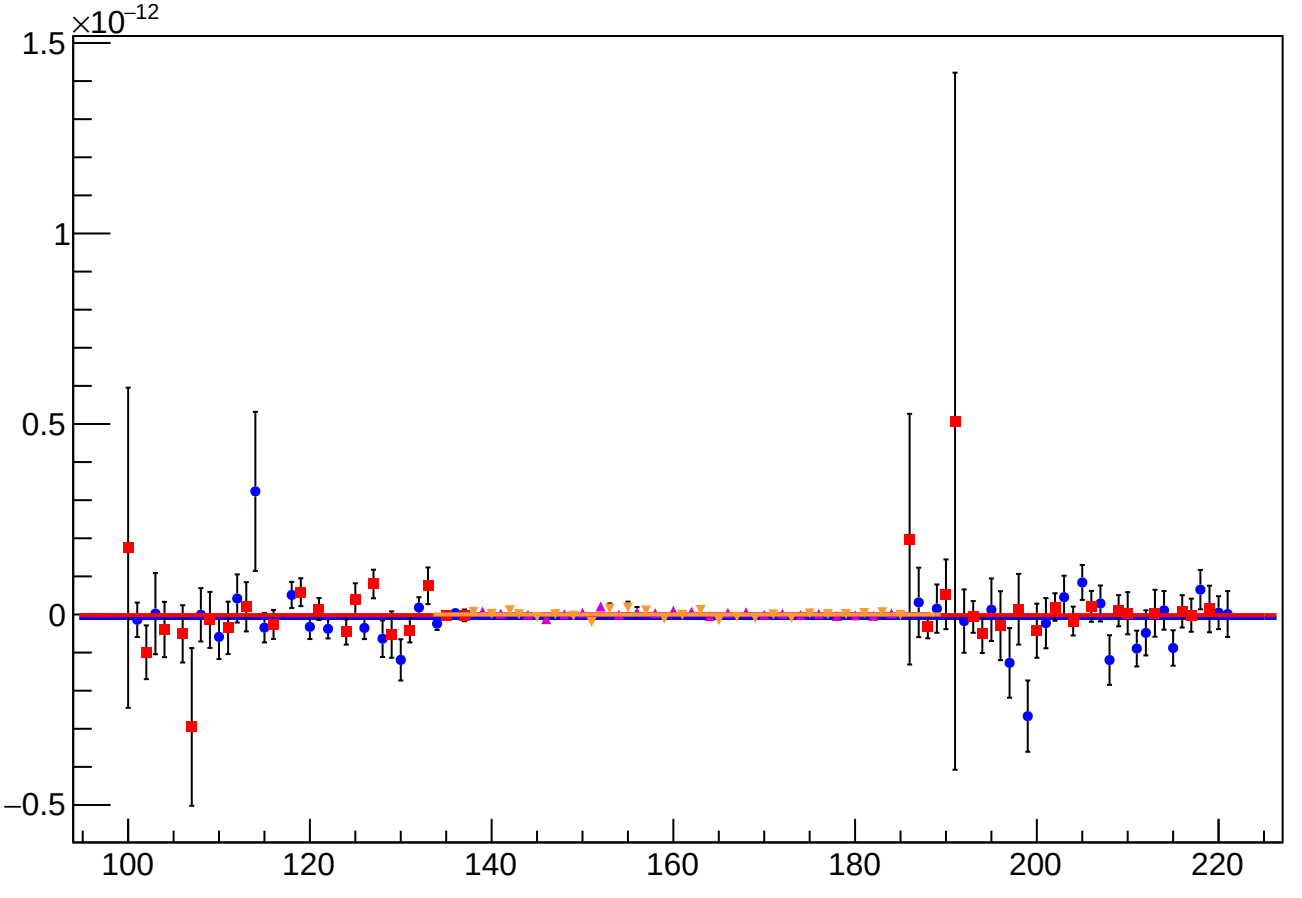
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.606+/-0.005 χ^2/NDF: 7951602.1/70

In: 35.746+/-0.004 χ^2/NDF:4784257.7/56

Out: 35.631+/-0.005 χ^2/NDF:7331673.1/61

All: 35.689+/-0.003 χ^2/NDF: 12116257.4/118



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: 25.4/36

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

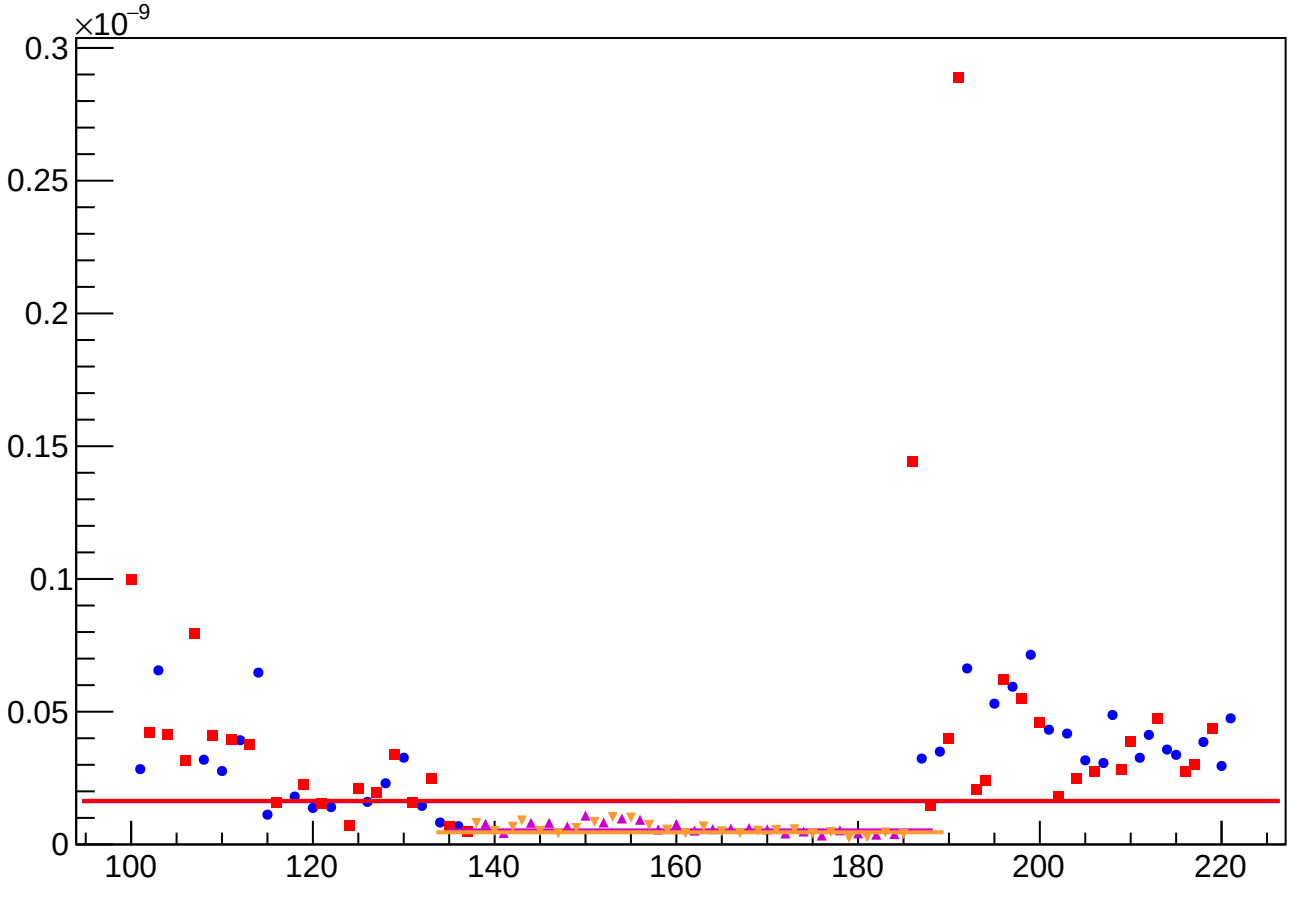
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 72.4/70

In: 0.000+/-0.000 χ^2/NDF:58.3/56

Out: -0.000+/-0.000 χ^2/NDF:46.6/61

All: 0.000+/-0.000 χ^2/NDF: 104.9/118



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: 8312119.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

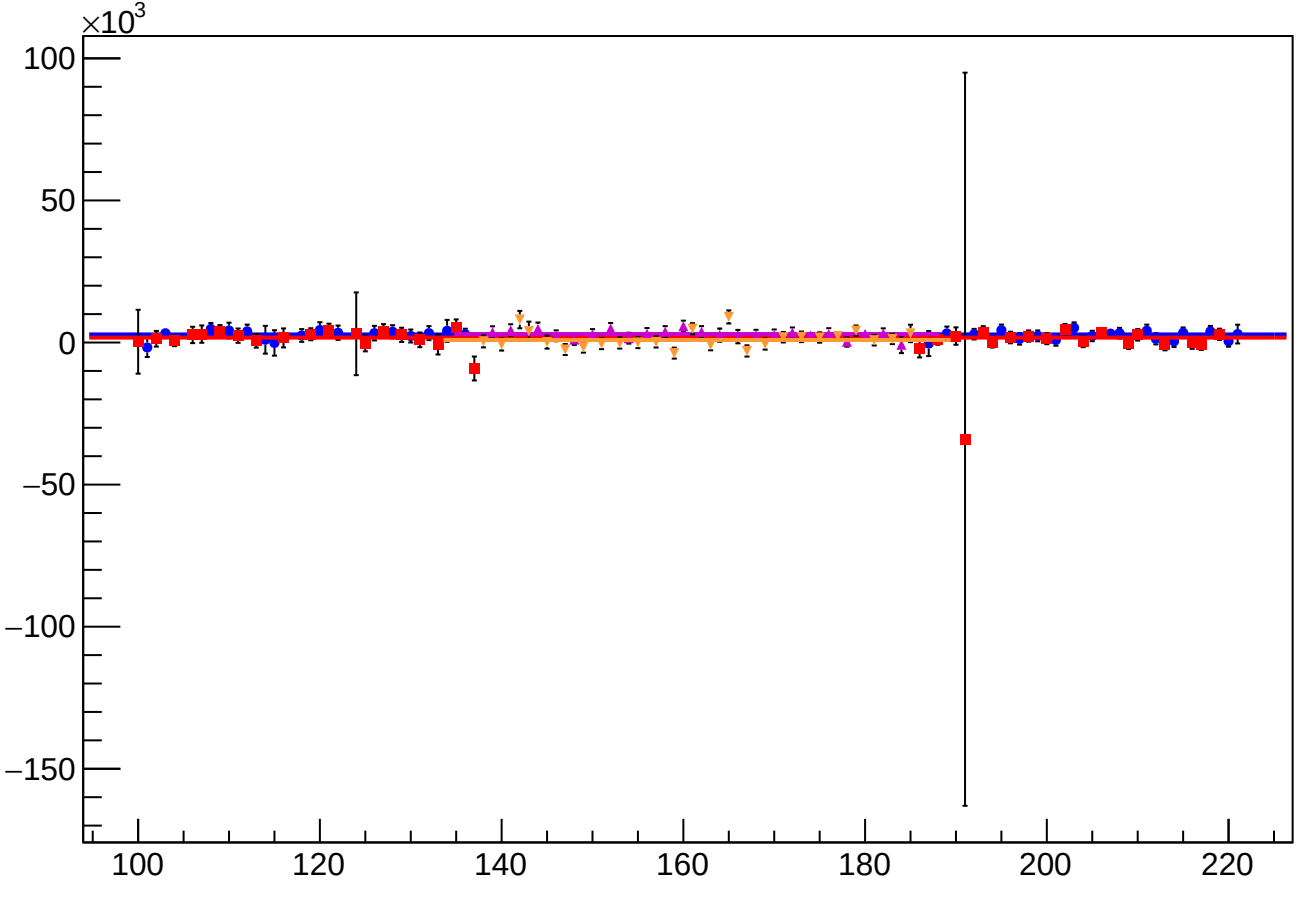
Right: 0.000+/-0.000 χ^2/NDF: 18742518.6/70

In: 0.000+/-0.000 χ^2/NDF:19326490.6/56

Out: 0.000+/-0.000 χ^2/NDF:18087985.9/61

All: 0.000+/-0.000 χ^2/NDF: 37776274.2/118

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: 1732.934+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

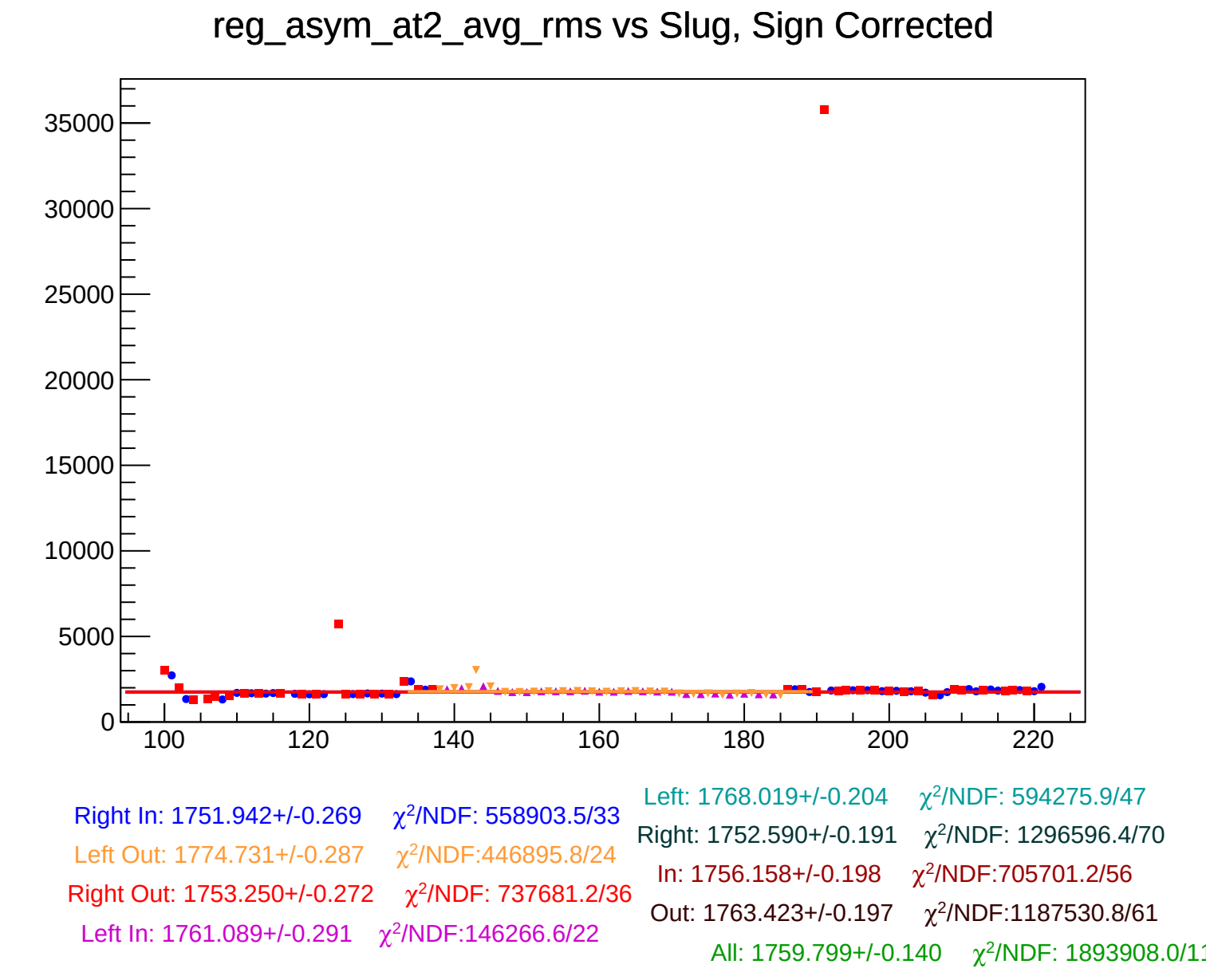
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

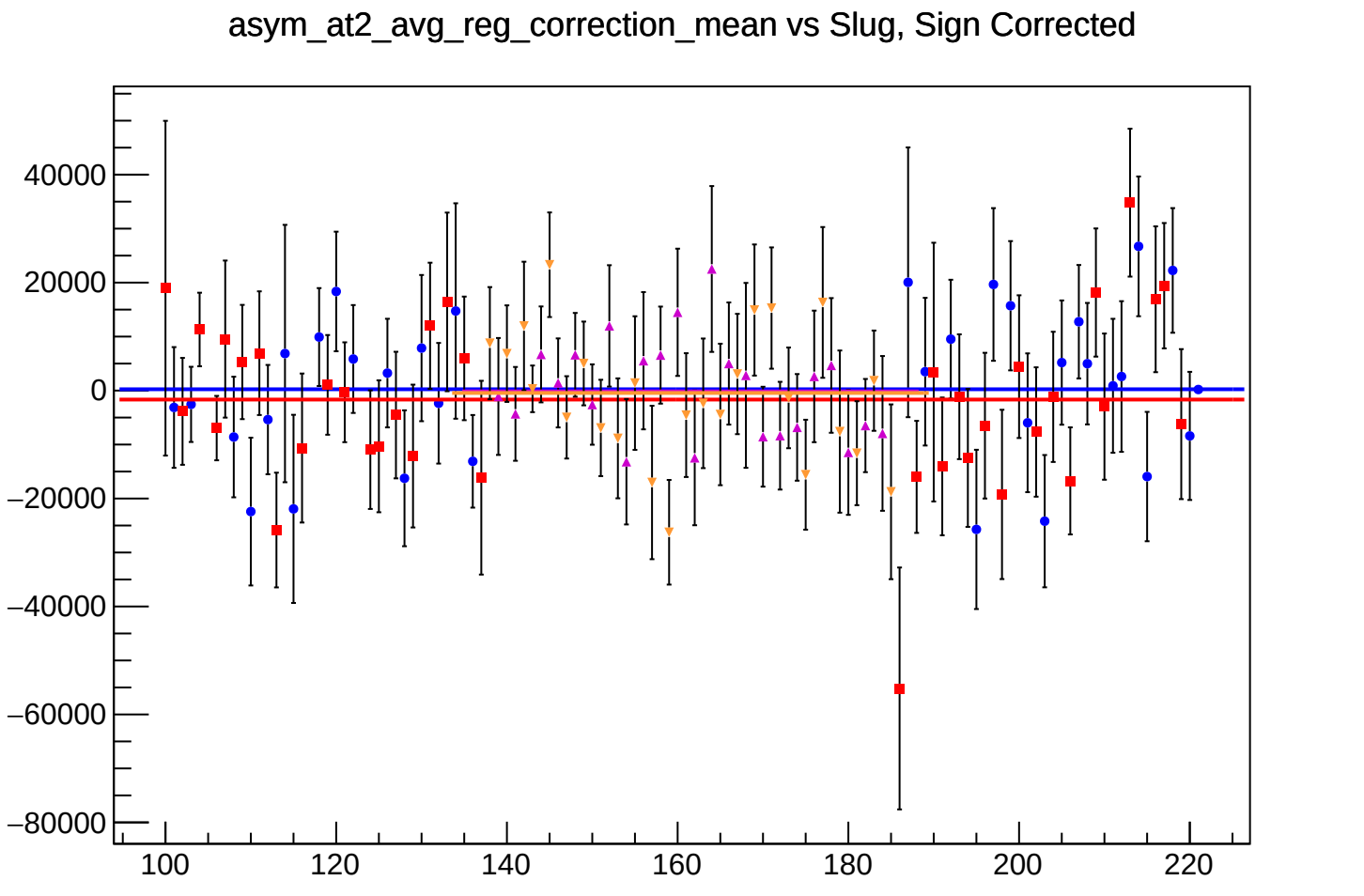
Right: 2293.304+/-270.697 χ^2/NDF: 45.0/70

In: 2889.321+/-279.758 χ^2/NDF:23.8/56

Out: 1337.967+/-279.080 χ^2/NDF:75.2/61

All: 2111.761+/-197.579 χ^2/NDF: 114.3/118


reg_asym_at2_avg_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
220
Right In: 1751.942+/-0.269 χ²/NDF: 558903.5/33
Left Out: 1774.731+/-0.287 χ²/NDF:446895.8/24
Right Out: 1753.250+/-0.272 χ²/NDF: 737681.2/36
Left In: 1761.089+/-0.291 χ²/NDF:146266.6/22
Left: 1768.019+/-0.204 χ²/NDF: 594275.9/47
Right: 1752.590+/-0.191 χ²/NDF: 1296596.4/70
In: 1756.158+/-0.198 χ²/NDF:705701.2/56
Out: 1763.423+/-0.197 χ²/NDF:1187530.8/61
All: 1759.799+/-0.140 χ²/NDF: 1893908.0/11



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: -1667.094+/-1898.852 χ^2/NDF: 46.4/36

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

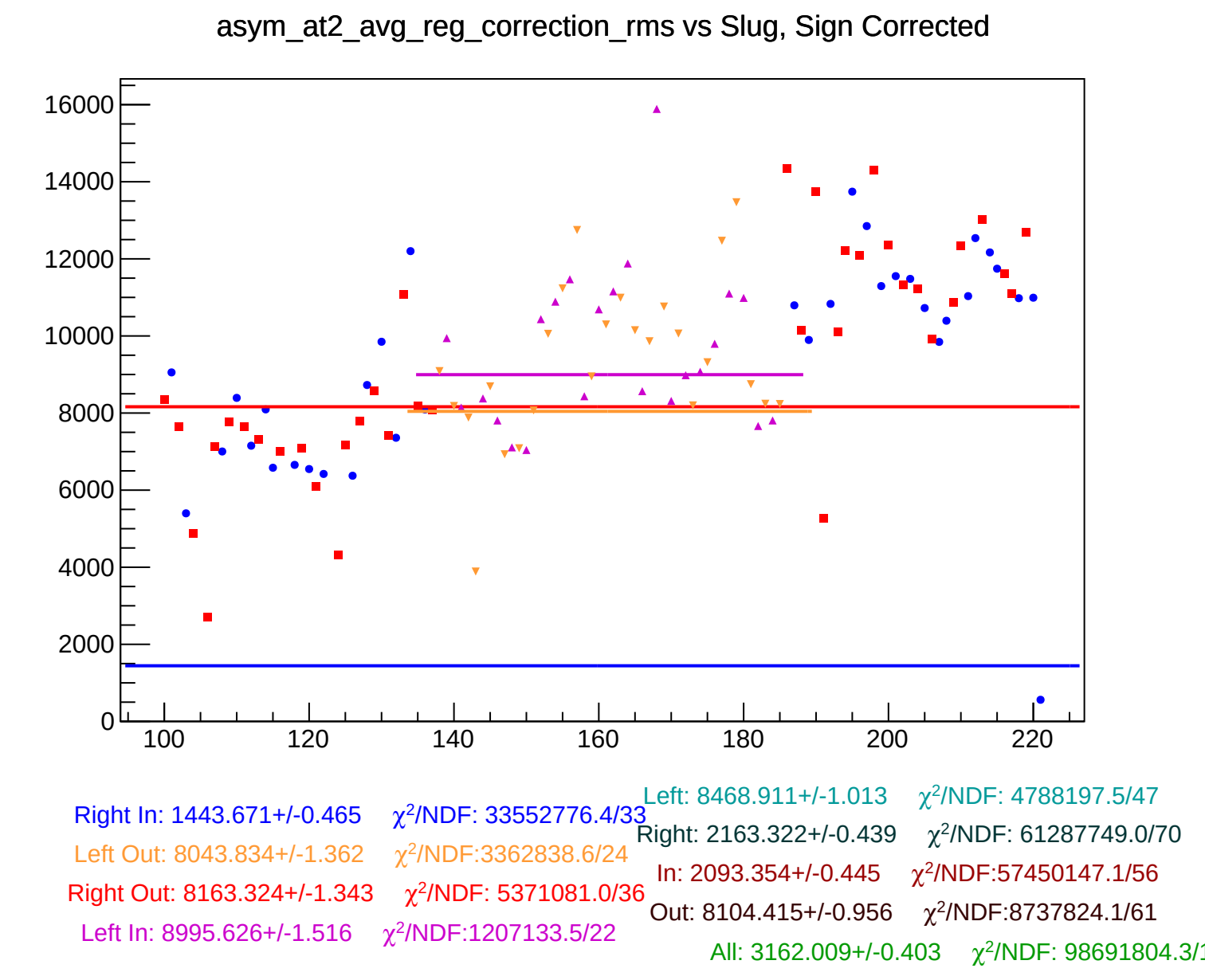
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: 37.036+/-621.410 χ^2/NDF: 86.4/70

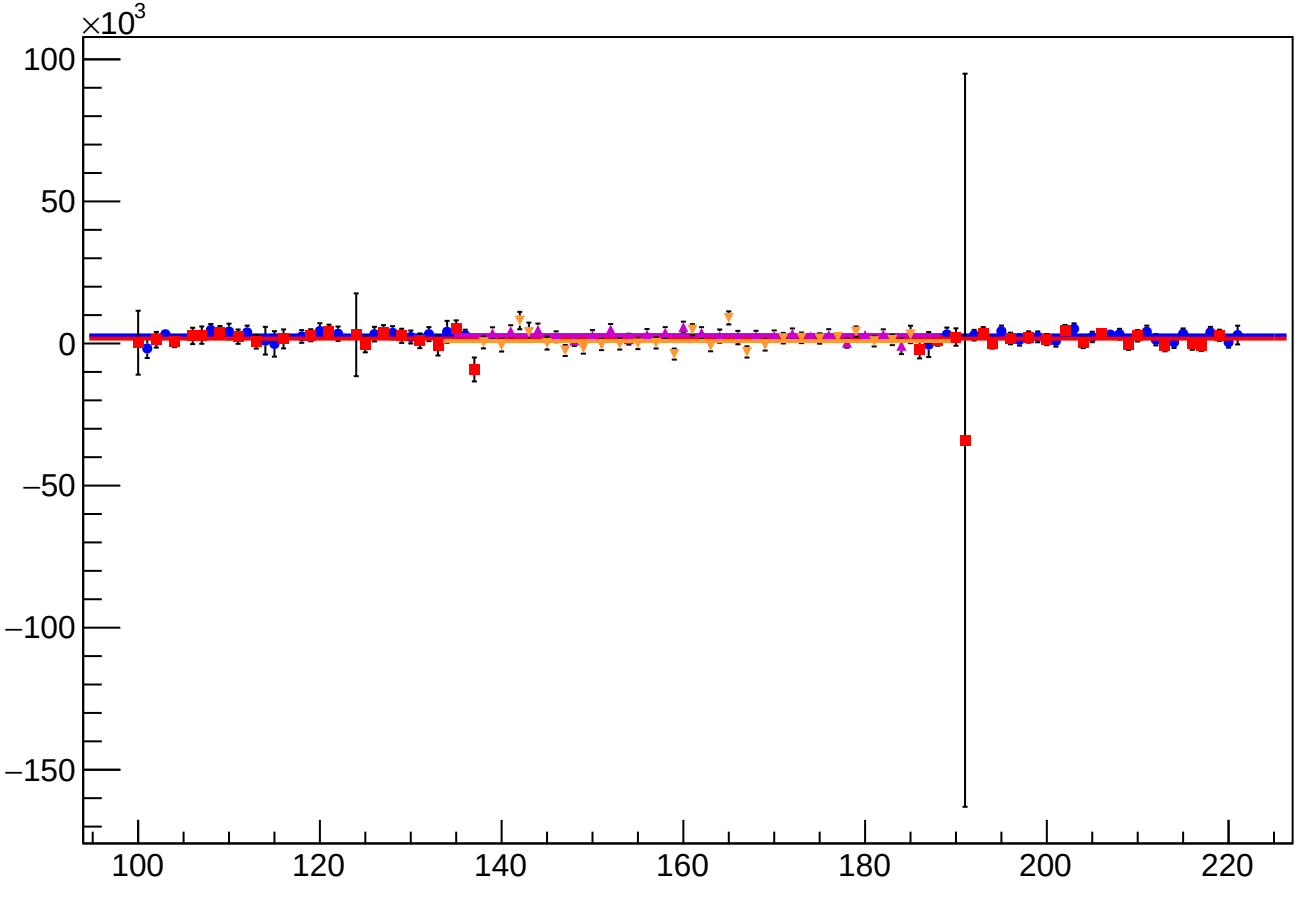
In: 207.304+/-628.698 χ^2/NDF:52.9/56

Out: -1063.780+/-1352.050 χ^2/NDF:76.1/61

All: -18.671+/-570.080 χ^2/NDF: 129.8/118


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: 8163.324+/-1.343 χ²/NDF: 5371081.0/36
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 2163.322+/-0.439 χ²/NDF: 61287749.0/70
In: 2093.354+/-0.445 χ²/NDF:57450147.1/56
Out: 8104.415+/-0.956 χ²/NDF:8737824.1/61
All: 3162.009+/-0.403 χ²/NDF: 98691804.3/1

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: 1732.907+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

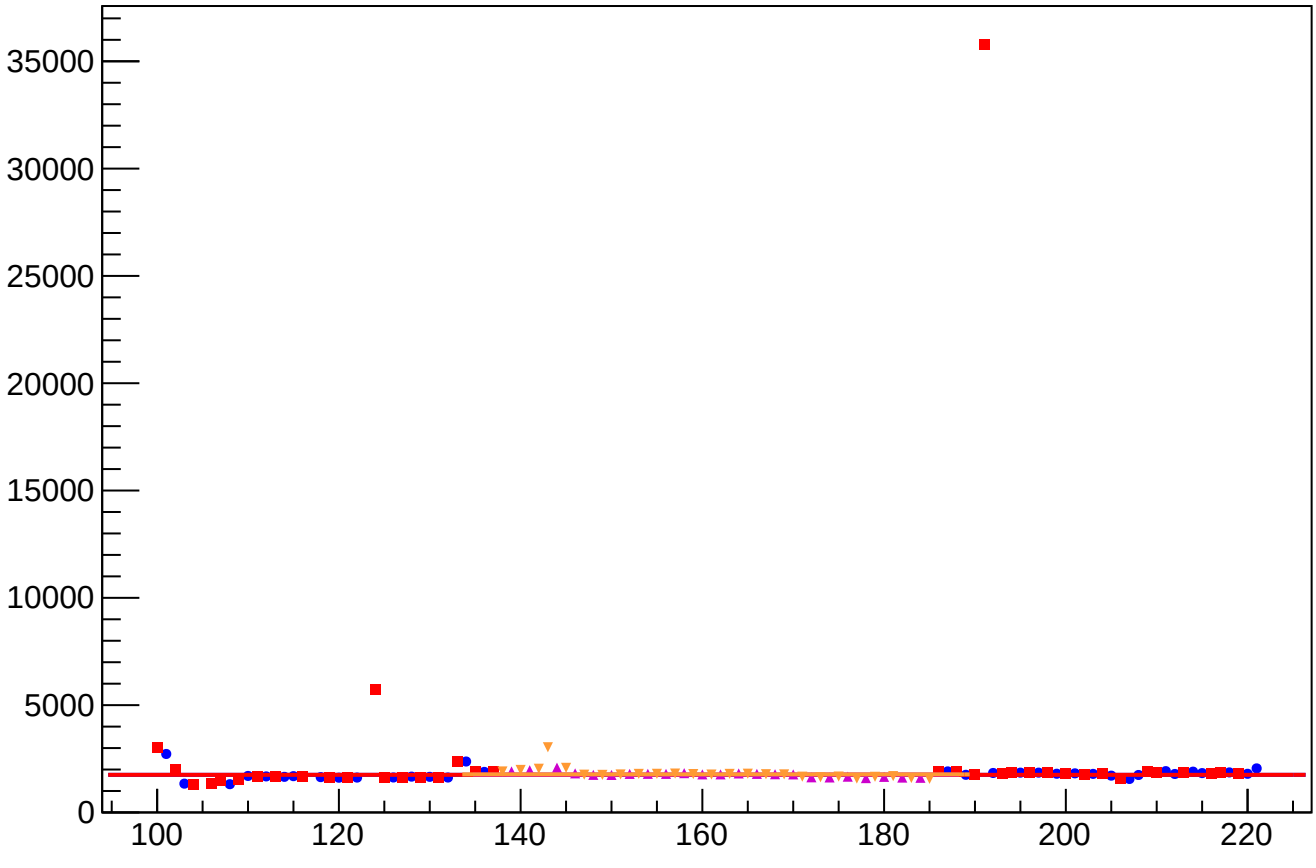
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2293.298+/-270.697 χ^2/NDF: 45.0/70

In: 2889.277+/-279.758 χ^2/NDF:23.8/56

Out: 1337.915+/-279.080 χ^2/NDF:75.2/61

All: 2111.713+/-197.579 χ^2/NDF: 114.3/118



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: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

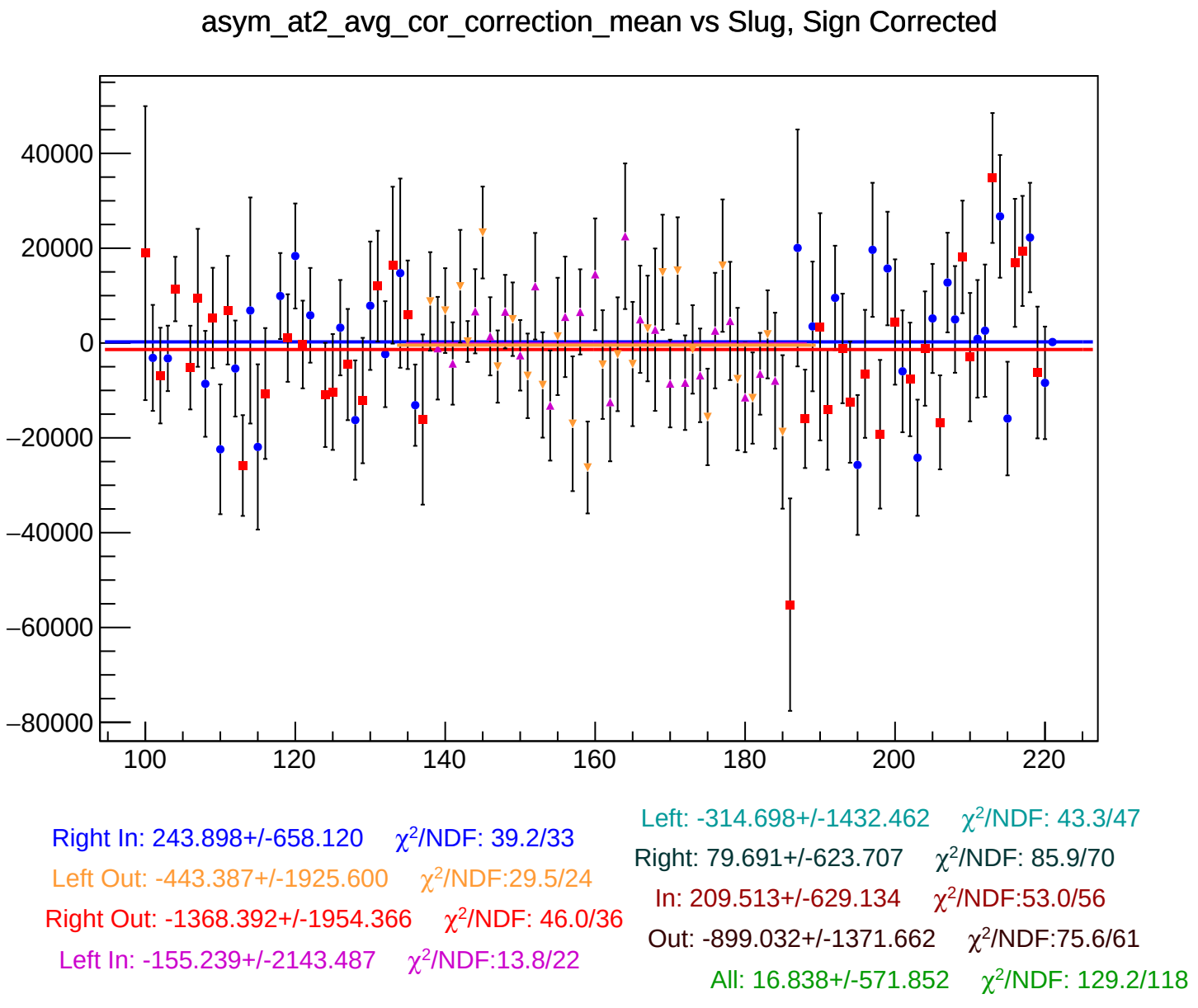
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

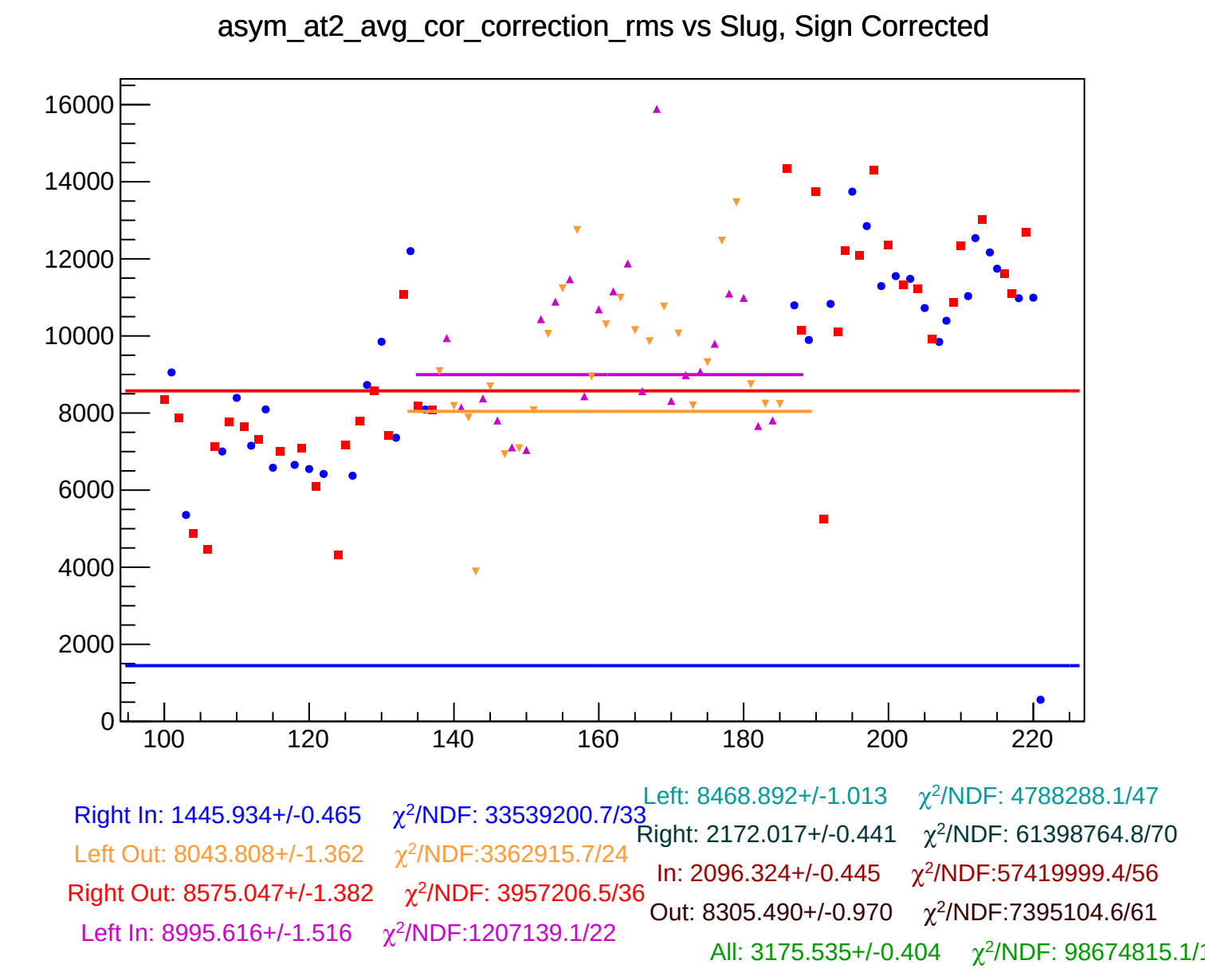
Right: 1752.590+/-0.191 χ^2/NDF: 1296597.1/70

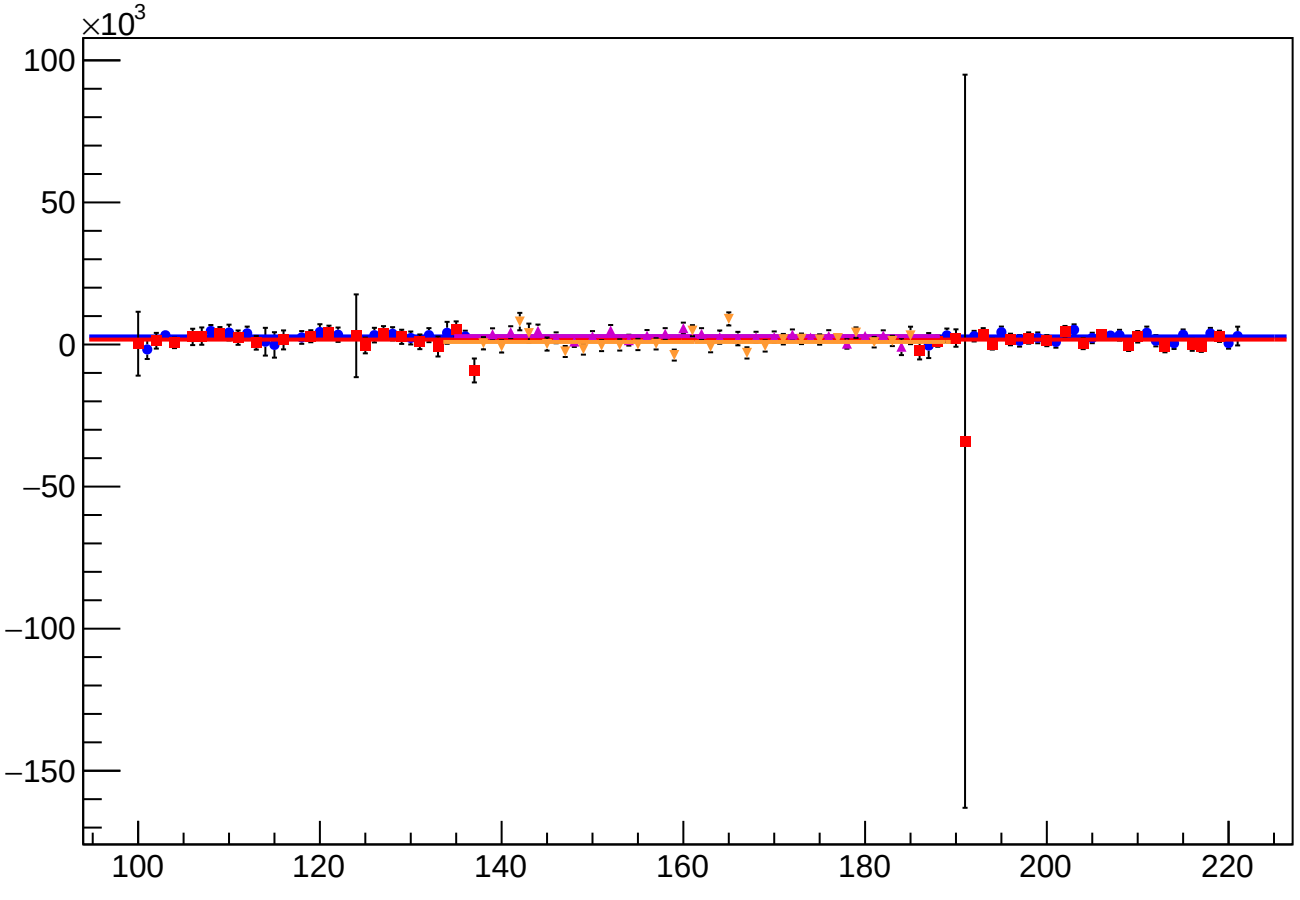
In: 1756.158+/-0.198 χ^2/NDF:705701.7/56

Out: 1763.423+/-0.197 χ^2/NDF:1187531.0/61

All: 1759.799+/-0.140 χ^2/NDF: 1893908.7/11


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 243.898+/-658.120 χ²/NDF: 39.2/33
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -1368.392+/-1954.366 χ²/NDF: 46.0/36
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: 79.691+/-623.707 χ²/NDF: 85.9/70
In: 209.513+/-629.134 χ²/NDF:53.0/56
Out: -899.032+/-1371.662 χ²/NDF:75.6/61
All: 16.838+/-571.852 χ²/NDF: 129.2/118


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: 8575.047+/-1.382 χ²/NDF: 3957206.5/36
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 2172.017+/-0.441 χ²/NDF: 61398764.8/70
In: 2096.324+/-0.445 χ²/NDF:57419999.4/56
Out: 8305.490+/-0.970 χ²/NDF:7395104.6/61
All: 3175.535+/-0.404 χ²/NDF: 98674815.1/1



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: 1732.907+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

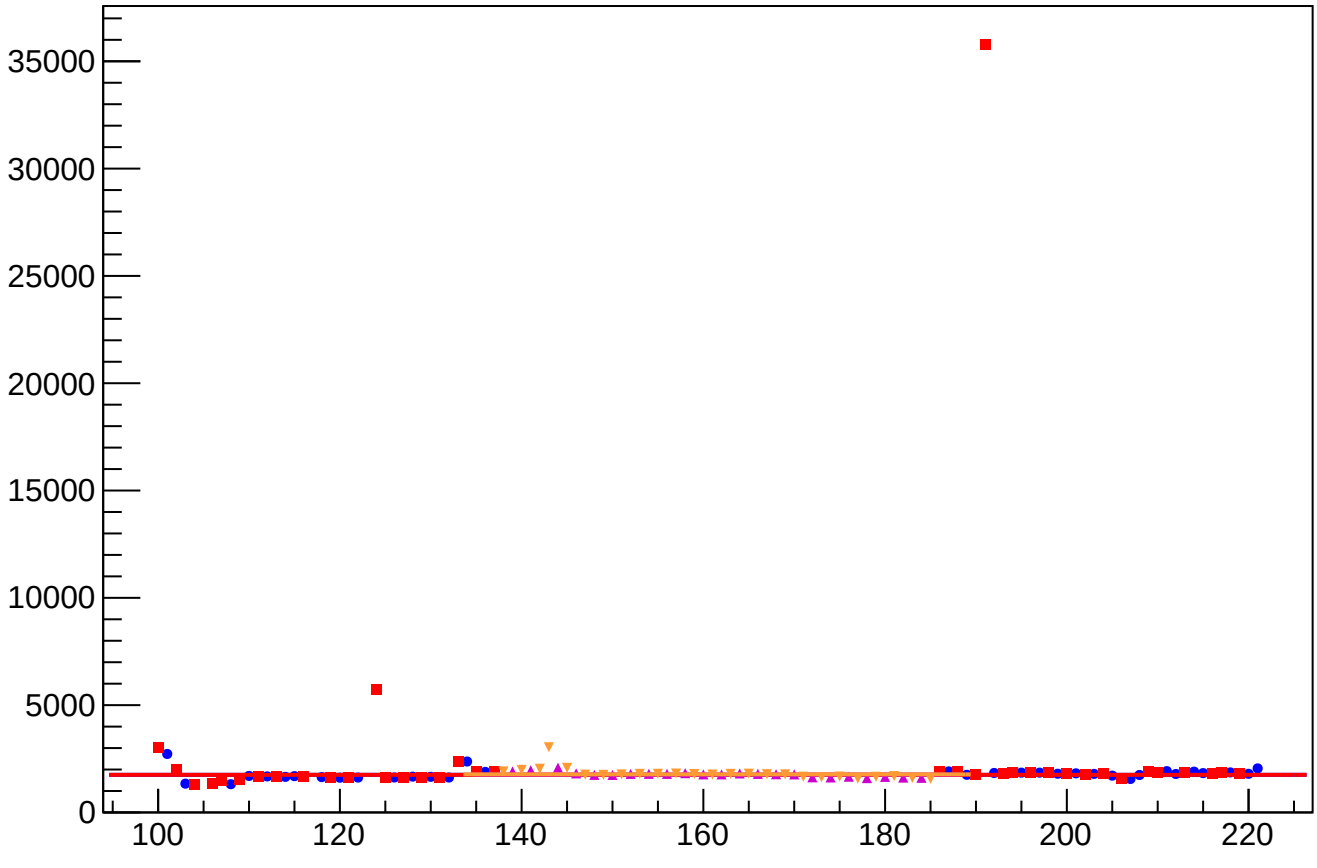
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2293.298+/-270.697 χ^2/NDF: 45.0/70

In: 2889.277+/-279.758 χ^2/NDF:23.8/56

Out: 1337.915+/-279.080 χ^2/NDF:75.2/61

All: 2111.713+/-197.579 χ^2/NDF: 114.3/118



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: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

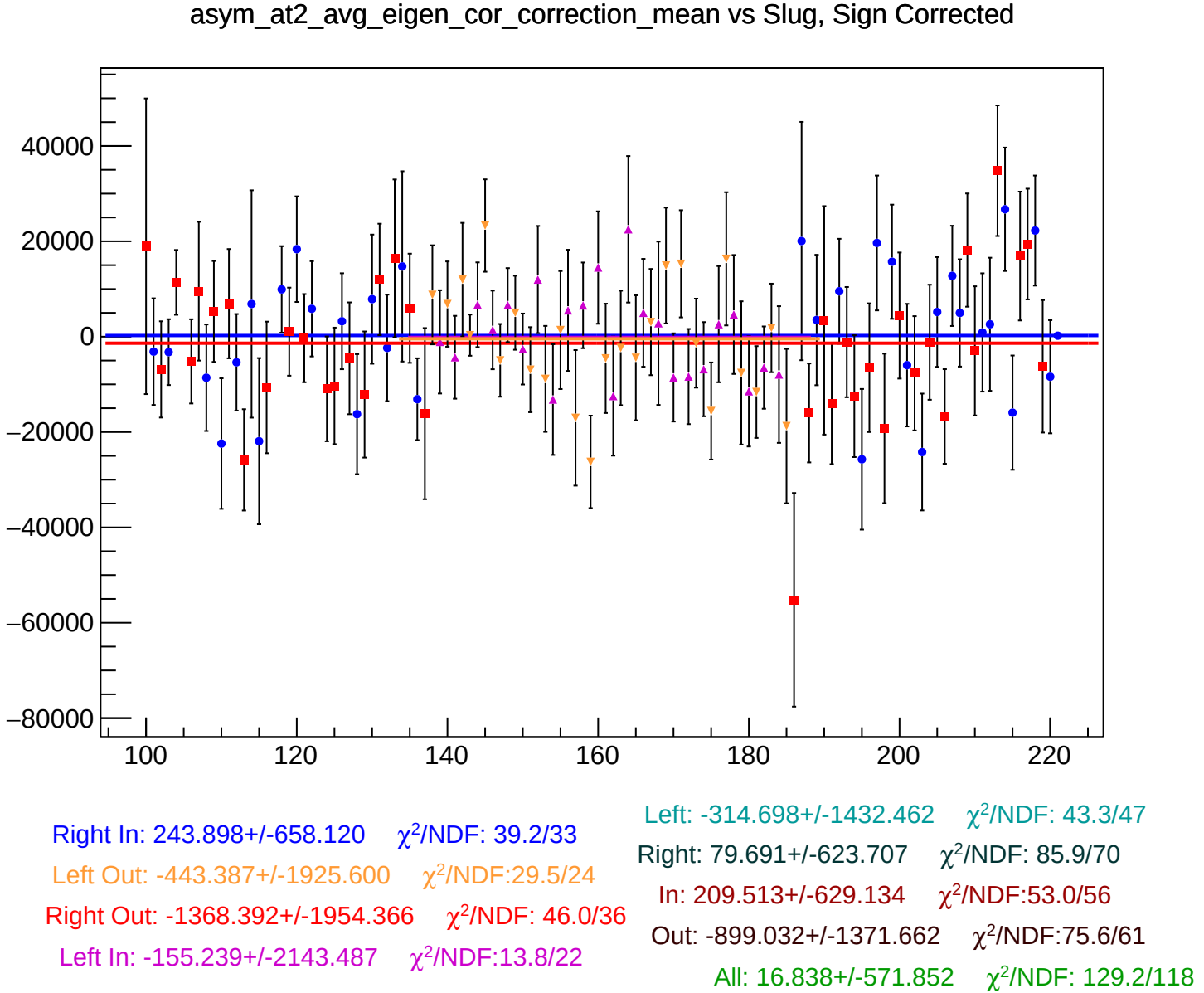
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

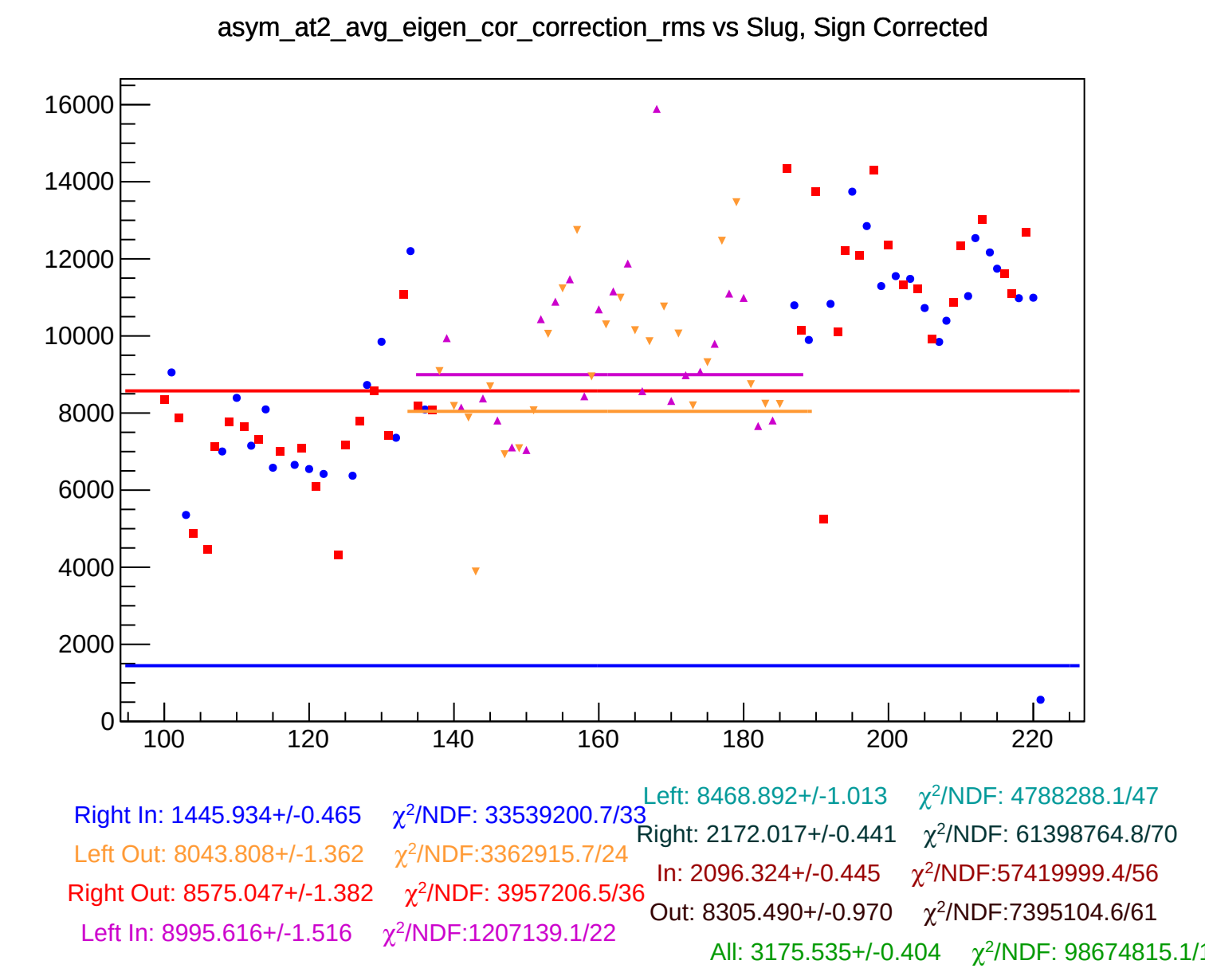
Right: 1752.590+/-0.191 χ^2/NDF: 1296597.1/70

In: 1756.158+/-0.198 χ^2/NDF:705701.7/56

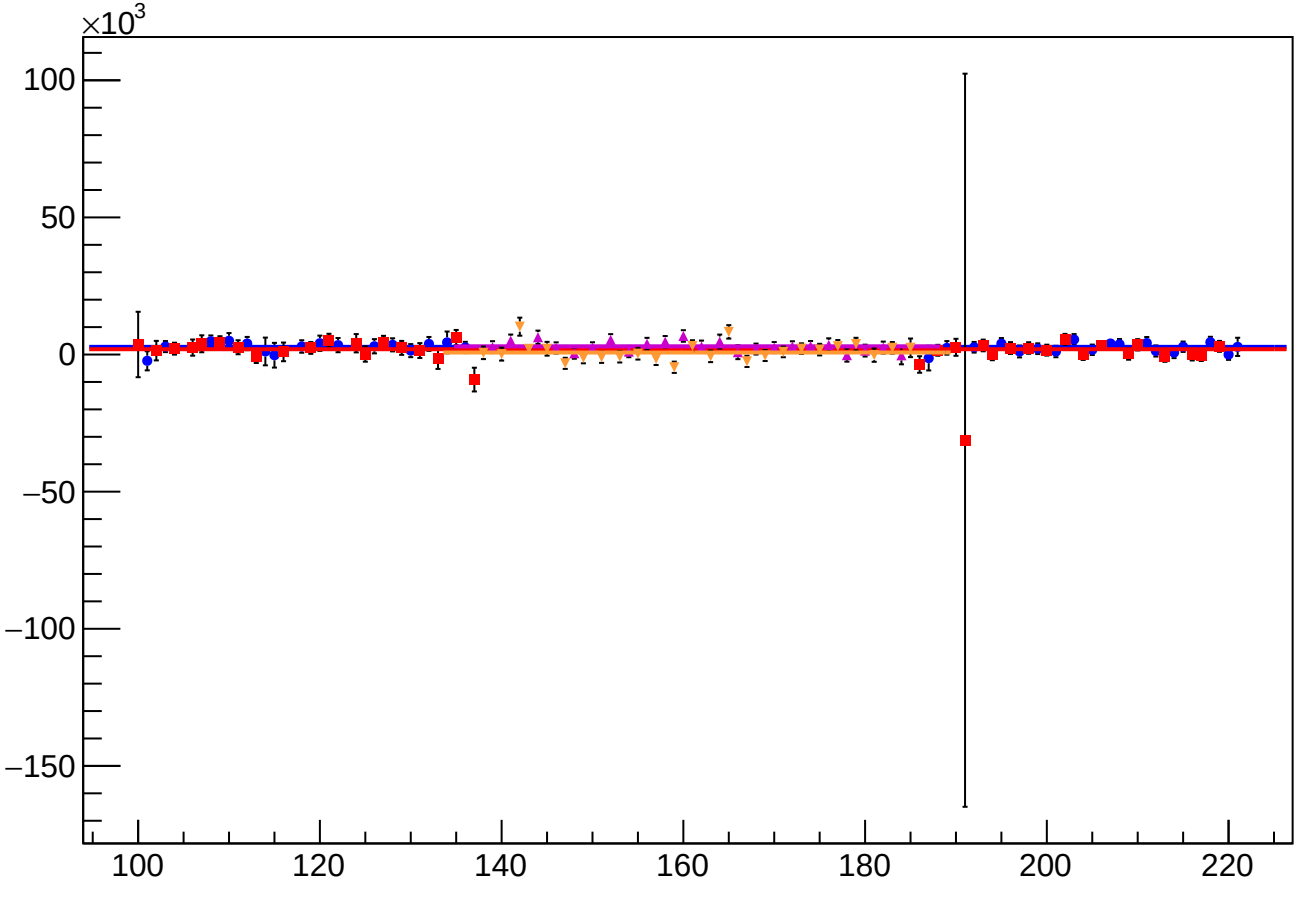
Out: 1763.423+/-0.197 χ^2/NDF:1187531.0/61

All: 1759.799+/-0.140 χ^2/NDF: 1893908.7/11


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 243.898+/-658.120 χ²/NDF: 39.2/33
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -1368.392+/-1954.366 χ²/NDF: 46.0/36
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: 79.691+/-623.707 χ²/NDF: 85.9/70
In: 209.513+/-629.134 χ²/NDF:53.0/56
Out: -899.032+/-1371.662 χ²/NDF:75.6/61
All: 16.838+/-571.852 χ²/NDF: 129.2/118


asym_at2_avg_eigen_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: 8575.047+/-1.382 χ²/NDF: 3957206.5/36
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 2172.017+/-0.441 χ²/NDF: 61398764.8/70
In: 2096.324+/-0.445 χ²/NDF:57419999.4/56
Out: 8305.490+/-0.970 χ²/NDF:7395104.6/61
All: 3175.535+/-0.404 χ²/NDF: 98674815.1/1

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: 1940.557+/-394.824 χ^2/NDF: 32.2/36

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

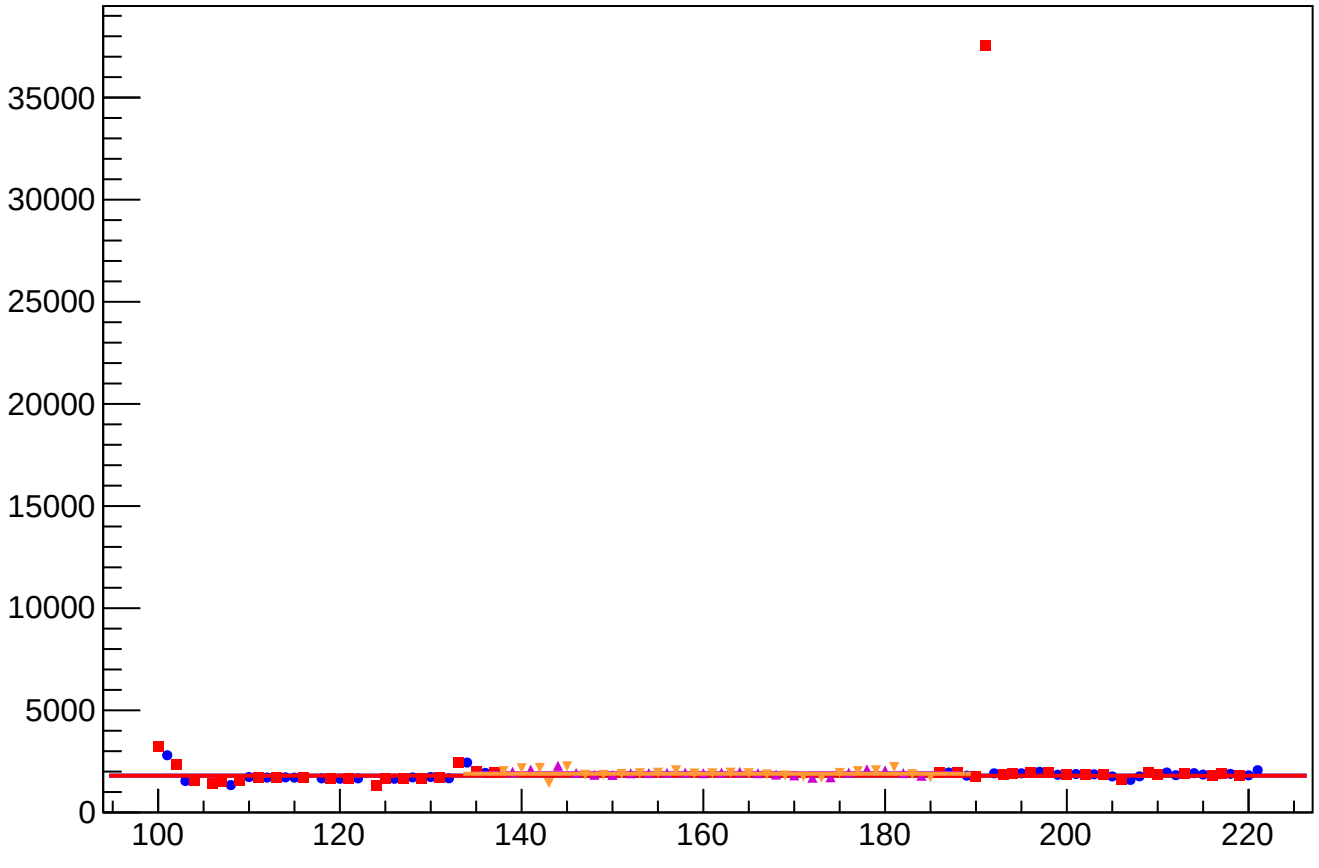
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2373.607+/-278.228 χ^2/NDF: 50.3/70

In: 2877.736+/-295.733 χ^2/NDF:31.4/56

Out: 1394.917+/-291.710 χ^2/NDF:78.0/61

All: 2126.174+/-207.678 χ^2/NDF: 122.2/118



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: 1798.428+/-0.279 χ^2/NDF: 591603.0/36

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

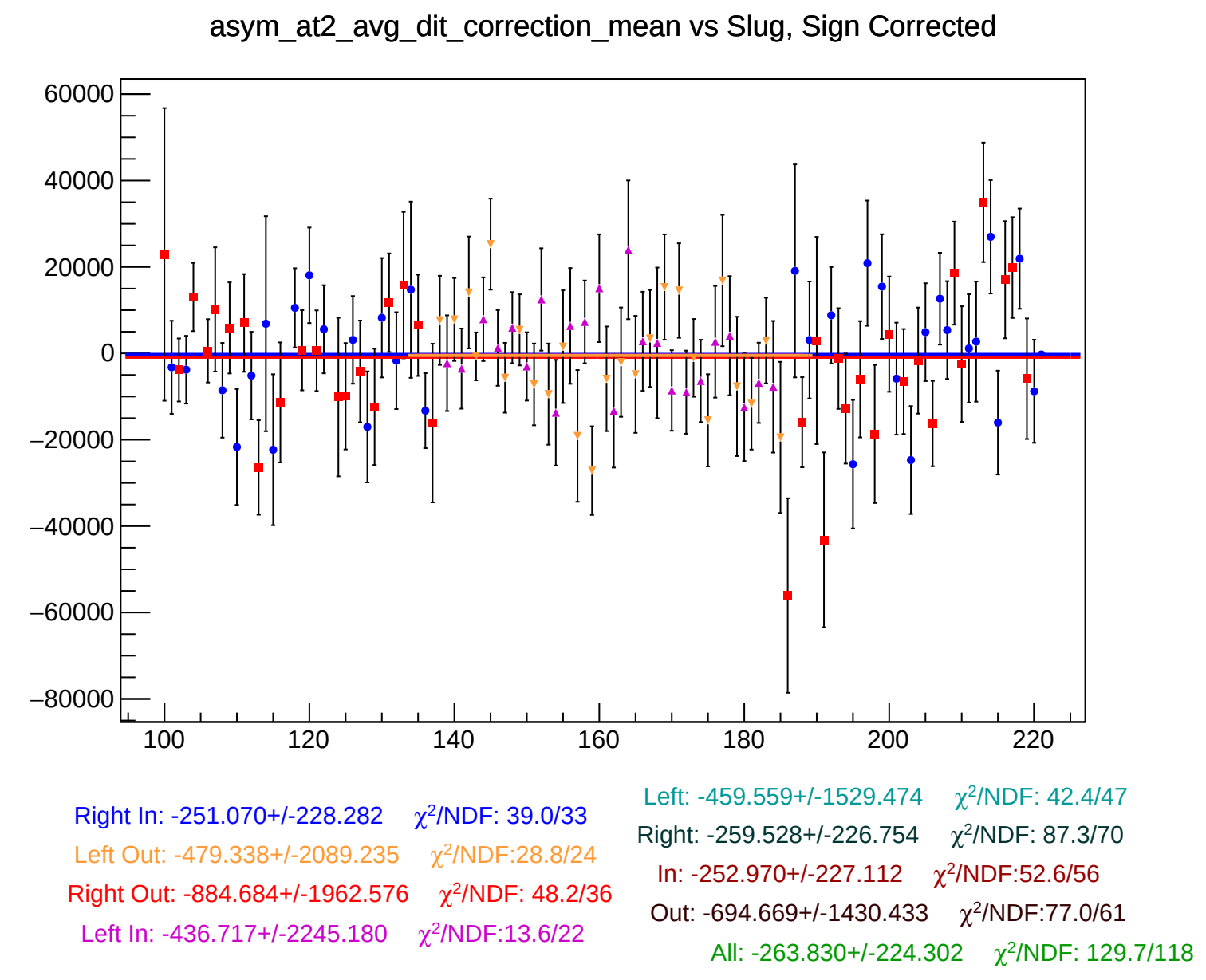
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

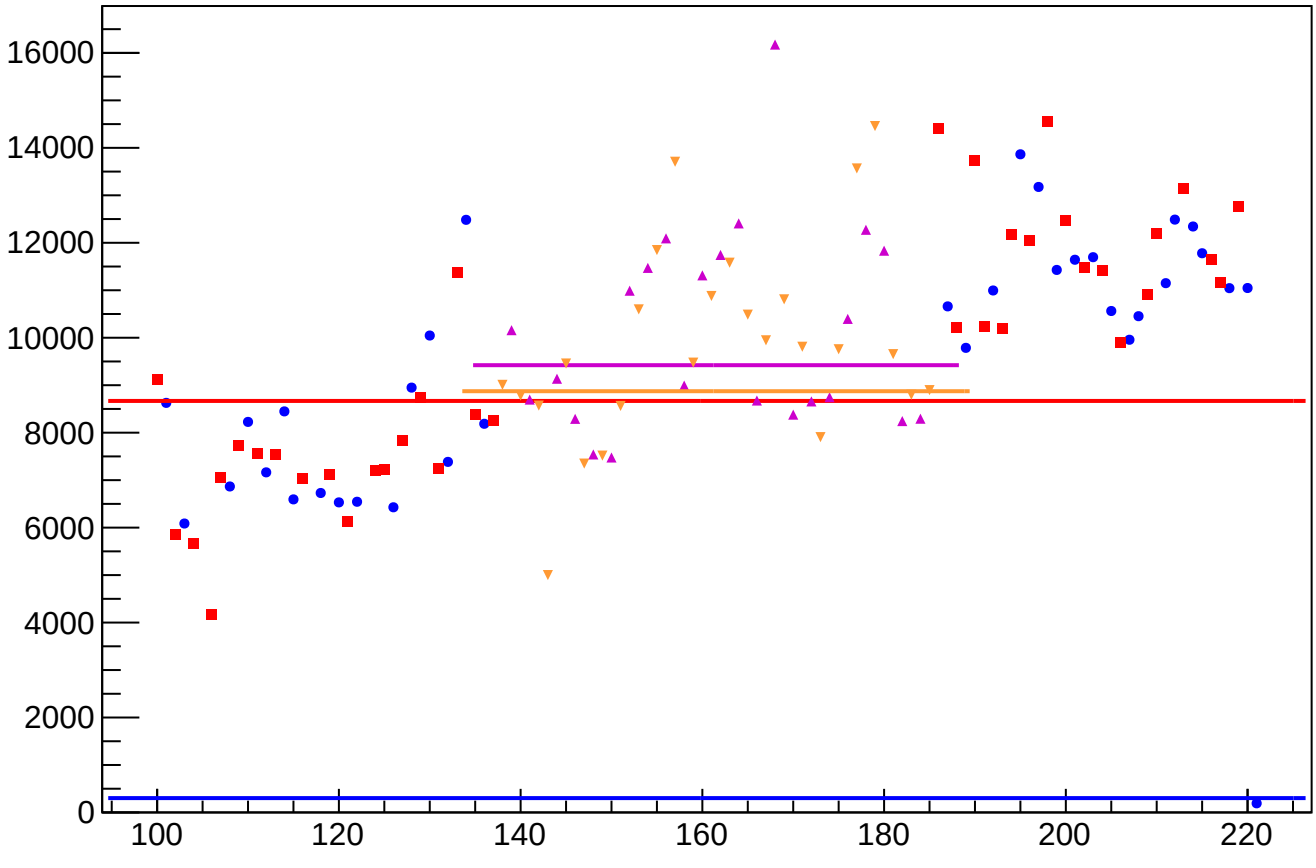
Right: 1801.097+/-0.197 χ^2/NDF: 1088830.9/70

In: 1855.182+/-0.209 χ^2/NDF:727862.9/56

Out: 1842.133+/-0.206 χ^2/NDF:1014179.4/61

All: 1848.568+/-0.147 χ^2/NDF: 1744016.0/11


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -251.070+/-228.282 χ²/NDF: 39.0/33
Left Out: -479.338+/-2089.235 χ²/NDF:28.8/24
Right Out: -884.684+/-1962.576 χ²/NDF: 48.2/36
Left In: -436.717+/-2245.180 χ²/NDF:13.6/22
Left: -459.559+/-1529.474 χ²/NDF: 42.4/47
Right: -259.528+/-226.754 χ²/NDF: 87.3/70
In: -252.970+/-227.112 χ²/NDF:52.6/56
Out: -694.669+/-1430.433 χ²/NDF:77.0/61
All: -263.830+/-224.302 χ²/NDF: 129.7/118



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: 8668.636+/-1.388 χ^2/NDF: 3821519.5/36

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

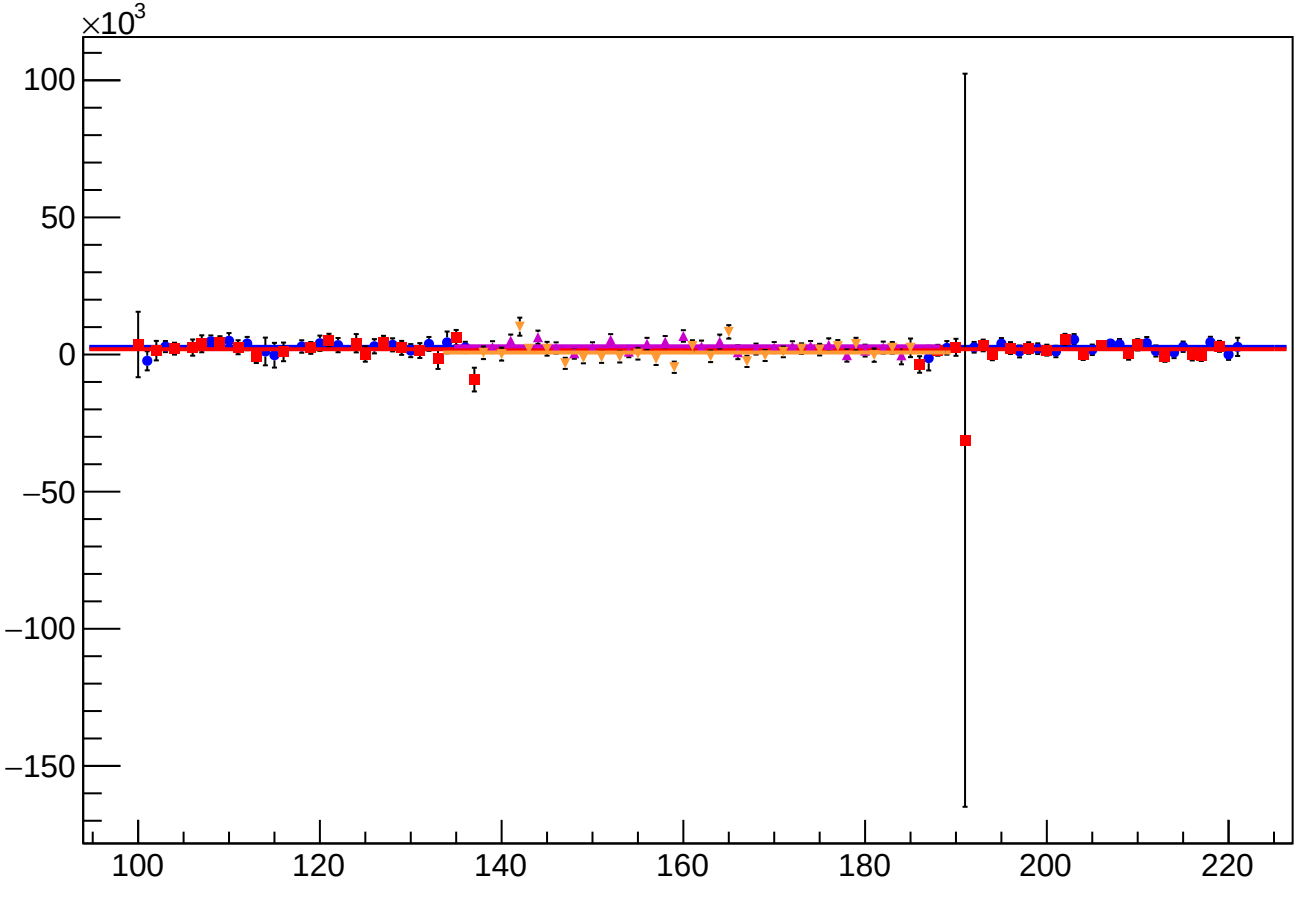
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 414.057+/-0.160 χ^2/NDF: 79446766.4/70

In: 395.687+/-0.161 χ^2/NDF:73628500.2/56

Out: 8764.713+/-1.011 χ^2/NDF:6034994.1/61

All: 601.468+/-0.159 χ^2/NDF: 146441383.2/1



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: 1940.556+/-394.824 χ^2/NDF: 32.2/36

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

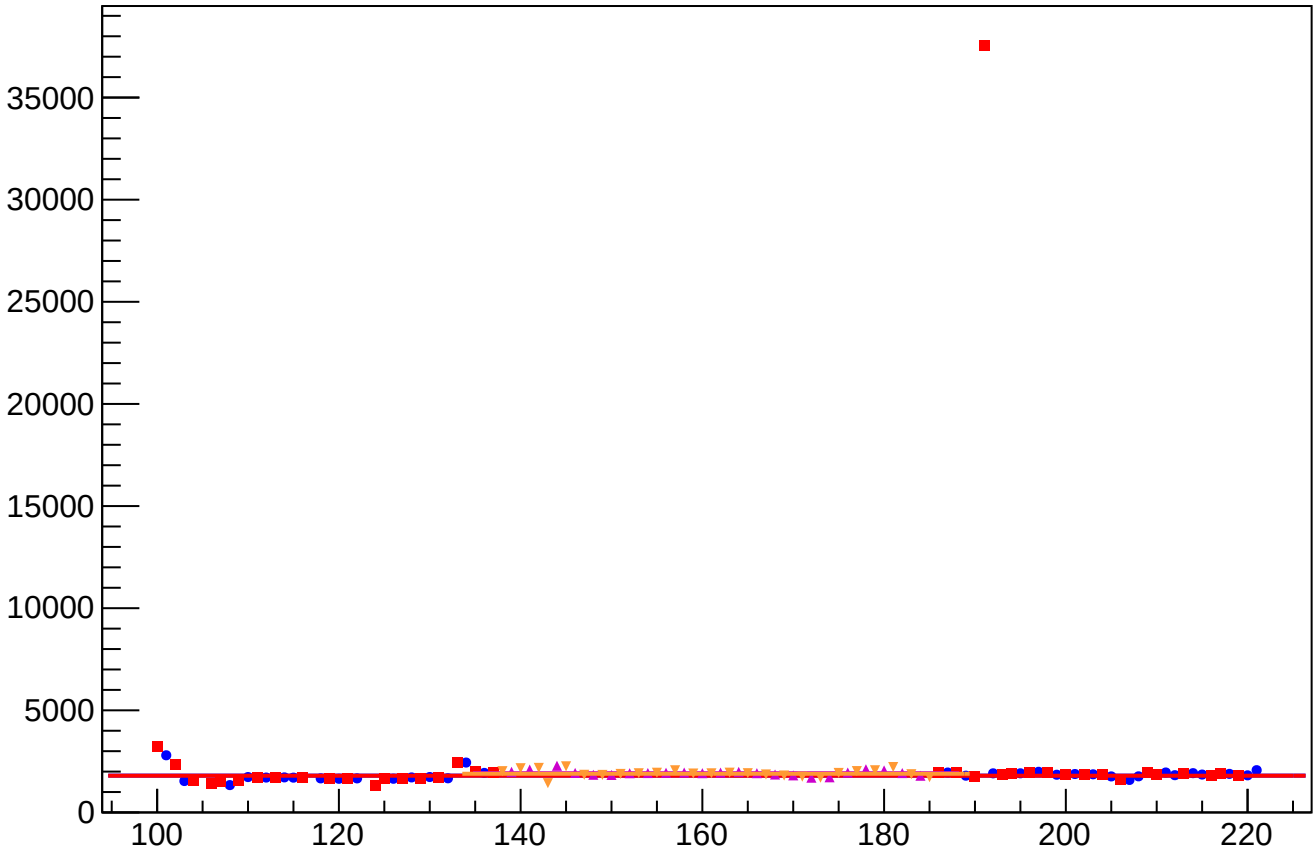
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2373.604+/-278.228 χ^2/NDF: 50.3/70

In: 2877.733+/-295.733 χ^2/NDF:31.4/56

Out: 1394.913+/-291.711 χ^2/NDF:78.0/61

All: 2126.170+/-207.678 χ^2/NDF: 122.2/118



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: 1798.428+/-0.279 χ^2/NDF: 591604.4/36

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

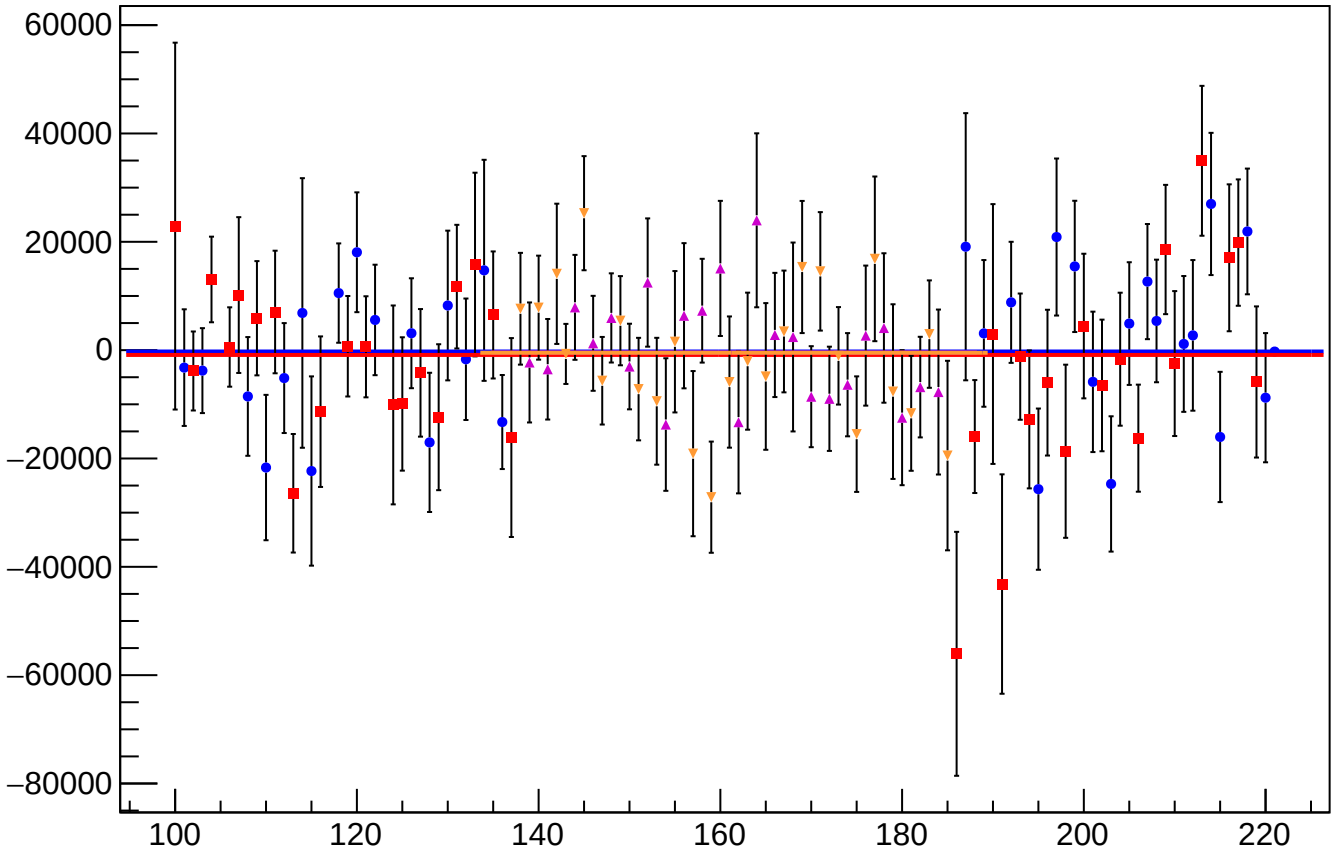
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1801.097+/-0.197 χ^2/NDF: 1088833.0/70

In: 1855.183+/-0.209 χ^2/NDF:727875.3/56

Out: 1842.135+/-0.206 χ^2/NDF:1014191.9/61

All: 1848.569+/-0.147 χ^2/NDF: 1744040.9/11



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: -884.674+/-1962.575 χ^2/NDF: 48.2/36

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

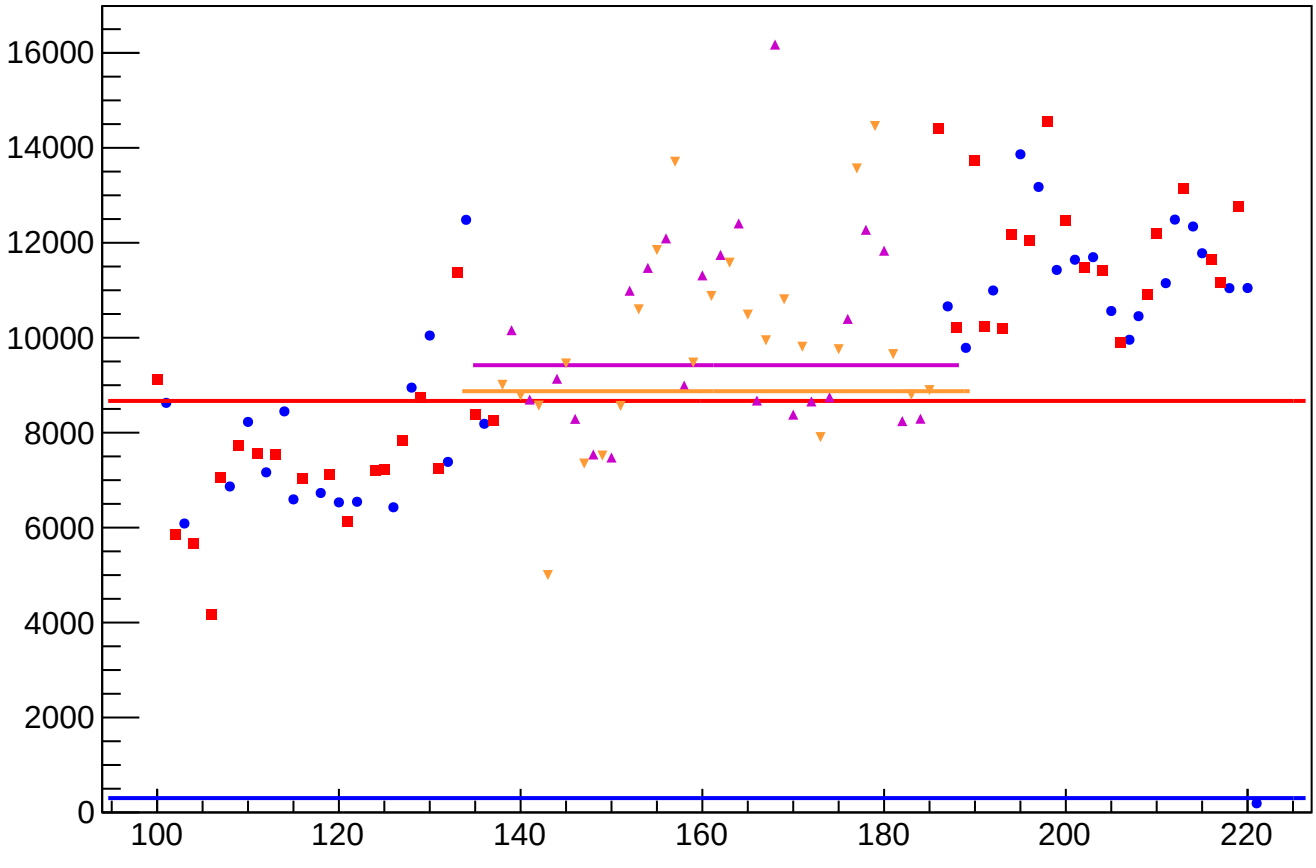
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -259.538+/-226.754 χ^2/NDF: 87.3/70

In: -252.979+/-227.112 χ^2/NDF:52.6/56

Out: -694.668+/-1430.434 χ^2/NDF:77.0/61

All: -263.840+/-224.302 χ^2/NDF: 129.7/118



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: 8668.625+/-1.388 χ^2/NDF: 3821552.6/36

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

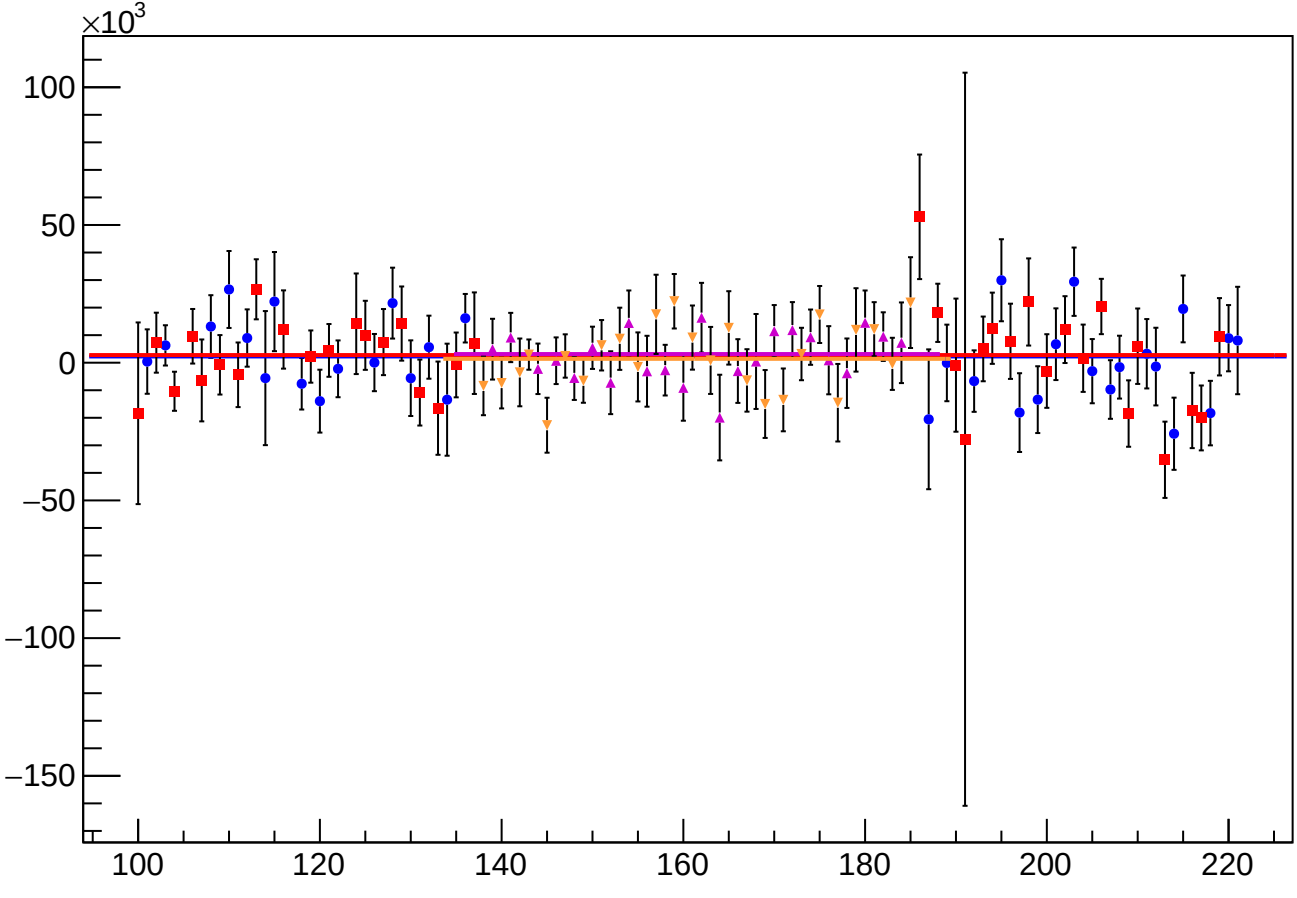
Right: 414.058+/-0.160 χ^2/NDF: 79446754.2/70

In: 395.688+/-0.161 χ^2/NDF:73628495.3/56

Out: 8764.715+/-1.011 χ^2/NDF:6035031.2/61

All: 601.470+/-0.159 χ^2/NDF: 146441363.5/

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: 2769.411+/-2054.294 χ^2/NDF: 45.0/36

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

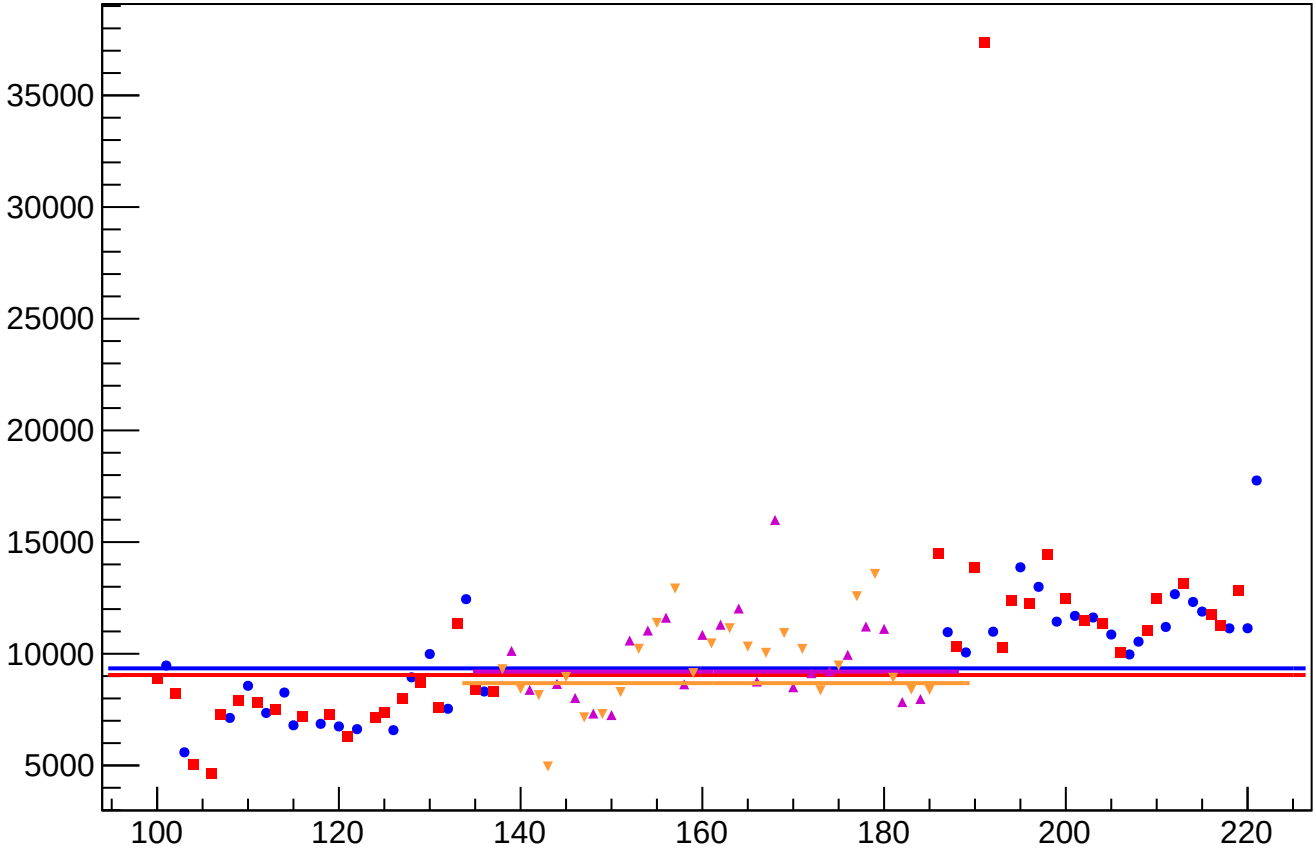
Right: 2521.303+/-1458.751 χ^2/NDF: 85.5/70

In: 2680.091+/-1504.857 χ^2/NDF:53.5/56

Out: 2084.081+/-1447.492 χ^2/NDF:72.6/61

All: 2370.510+/-1043.222 χ^2/NDF: 126.2/118

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: 9048.823+/-1.453 χ^2/NDF: 3336867.7/36

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

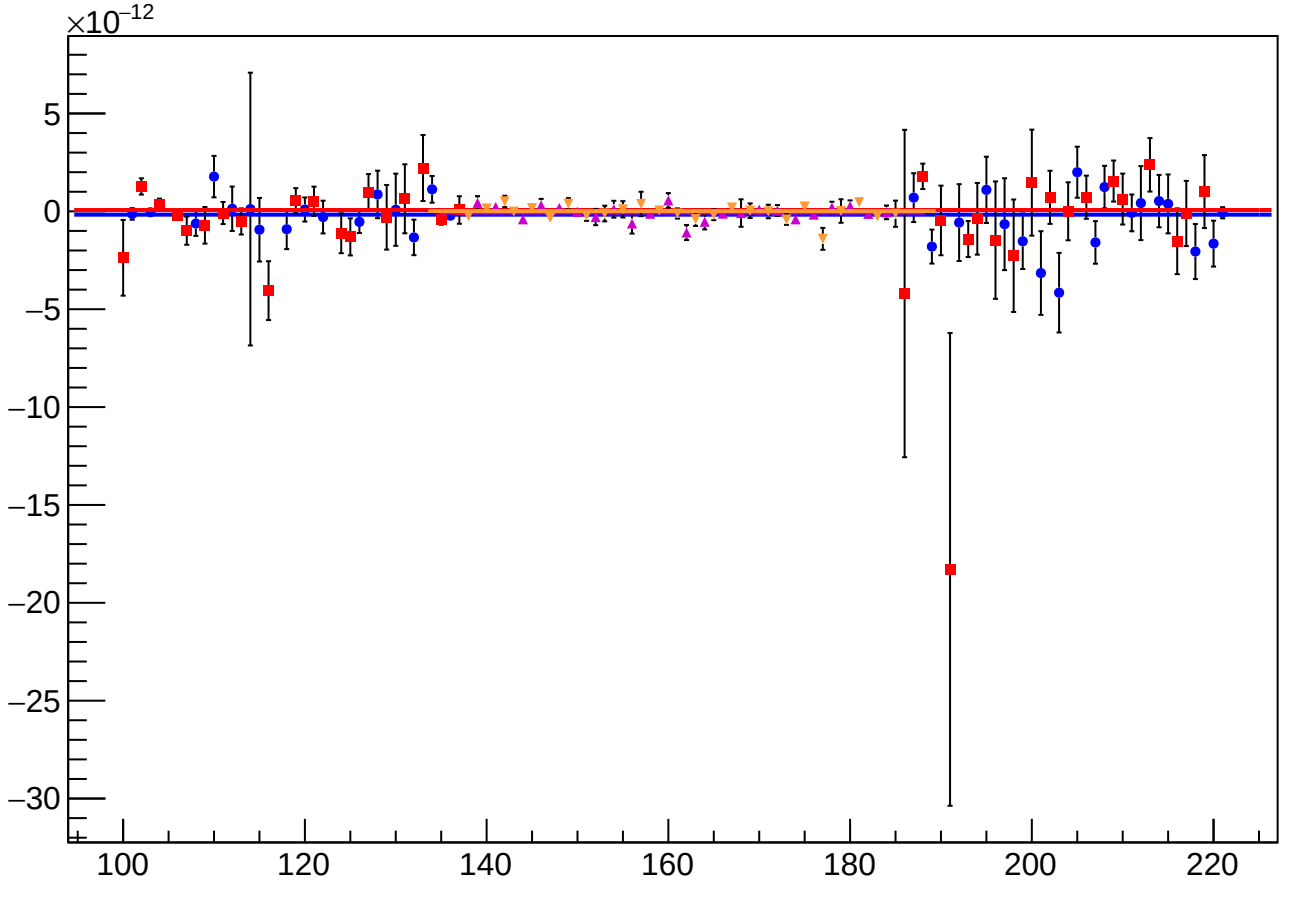
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 9196.372+/-1.031 χ^2/NDF: 6178194.6/70

In: 9277.647+/-1.064 χ^2/NDF:3954603.9/56

Out: 8865.415+/-1.024 χ^2/NDF:5420156.0/61

All: 9063.520+/-0.738 χ^2/NDF: 9452717.0/11



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: 53.4/36

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

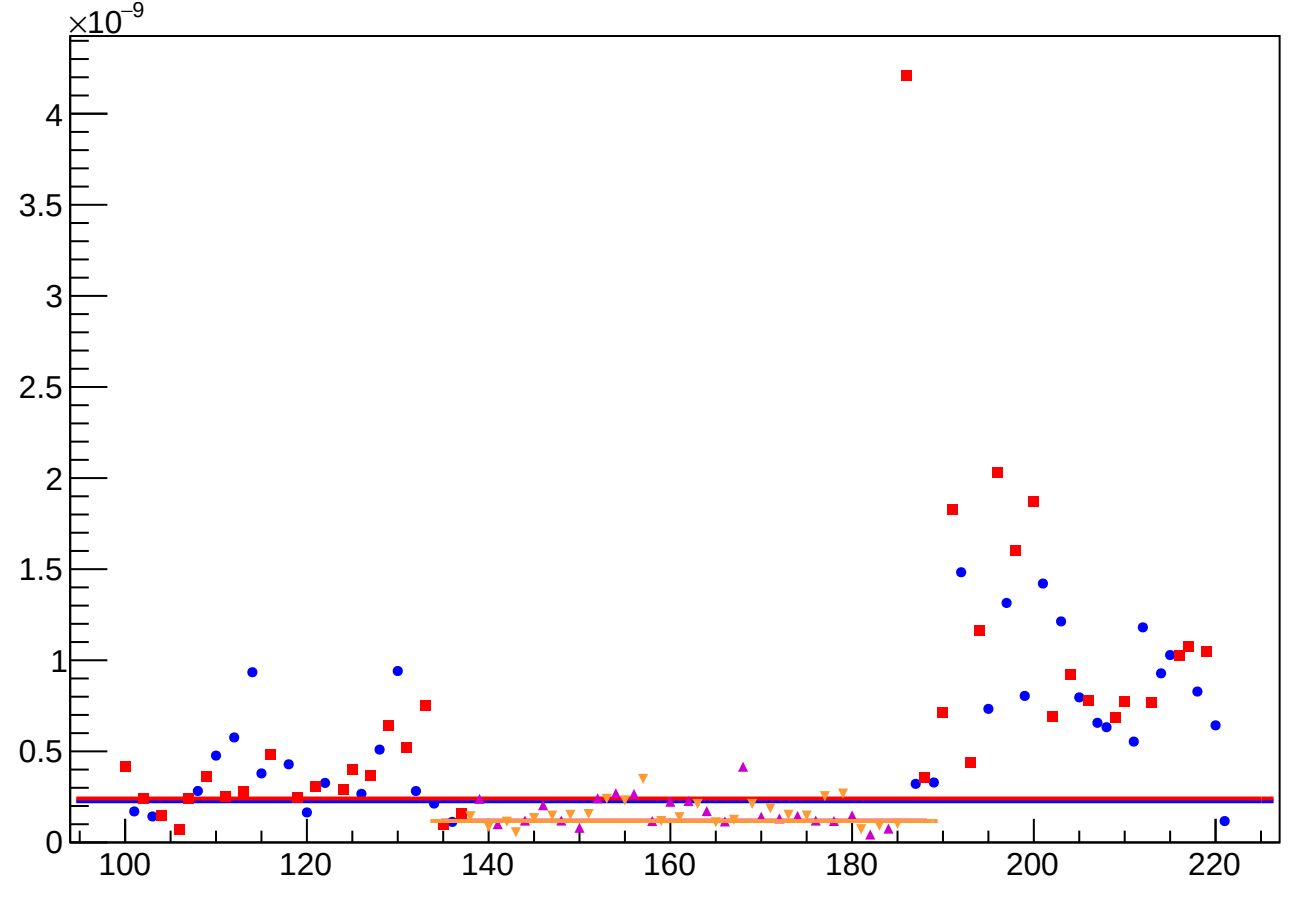
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 89.0/70

In: -0.000+/-0.000 χ^2/NDF:61.8/56

Out: 0.000+/-0.000 χ^2/NDF:82.5/61

All: -0.000+/-0.000 χ^2/NDF: 146.9/118



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: 8835773.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

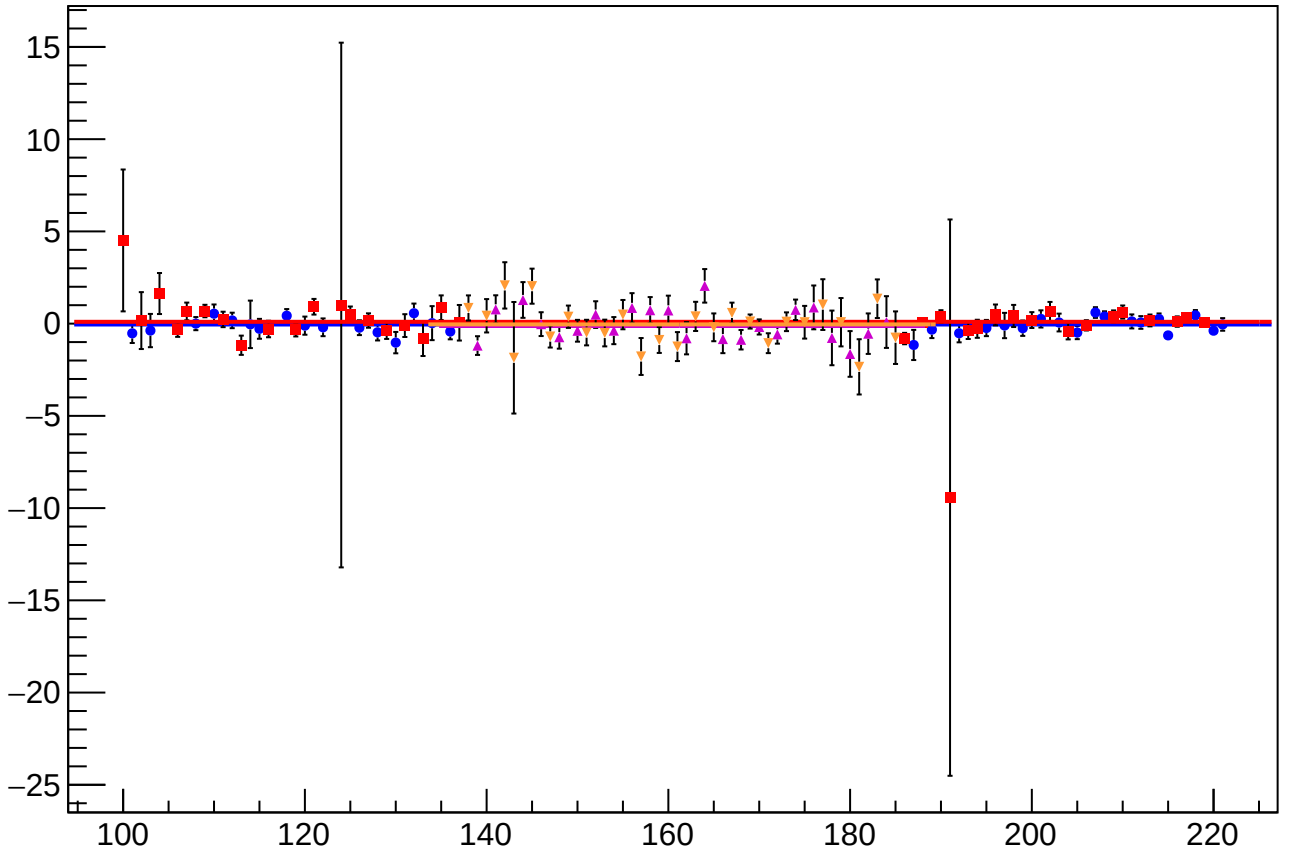
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17370014.1/70

In: 0.000+/-0.000 χ^2/NDF:12837469.7/56

Out: 0.000+/-0.000 χ^2/NDF:13117699.4/61

All: 0.000+/-0.000 χ^2/NDF: 25964349.7/118



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: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

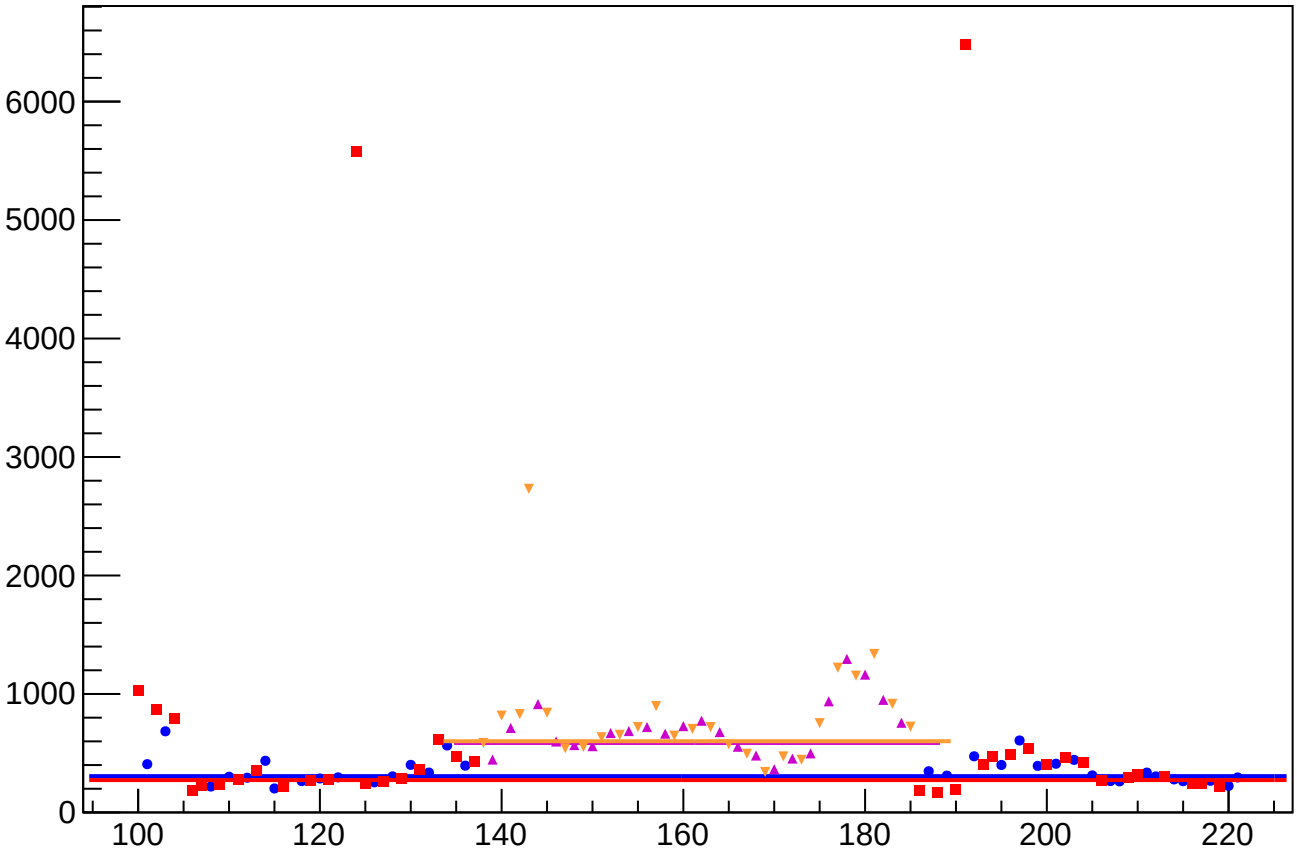
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.030+/-0.047 χ^2/NDF: 81.2/70

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.010+/-0.043 χ^2/NDF: 141.6/118



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: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

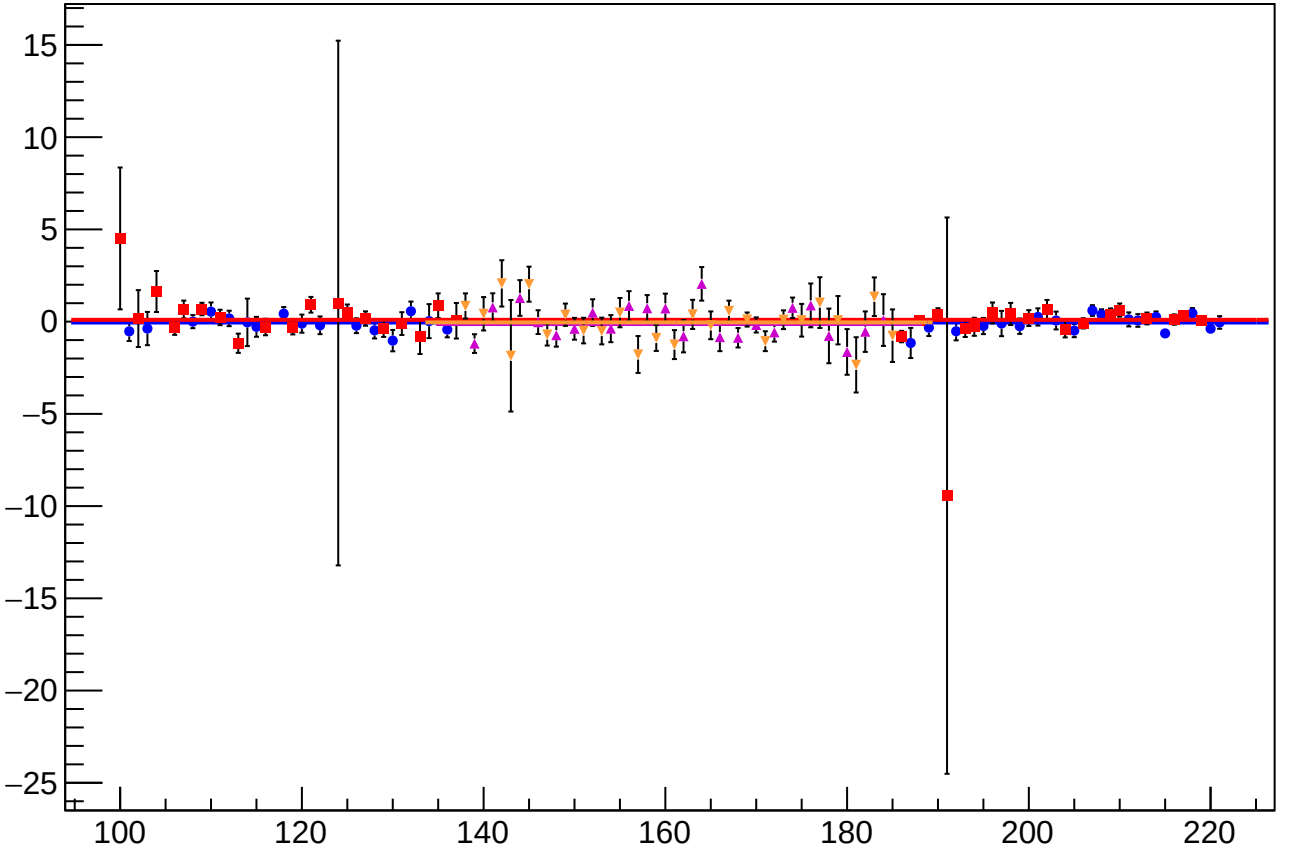
Right: 288.944+/-0.034 χ^2/NDF: 7951892.9/70

In: 358.247+/-0.044 χ^2/NDF:11526500.8/56

Out: 326.906+/-0.042 χ^2/NDF:17921781.6/61

All: 341.862+/-0.030 χ^2/NDF: 29712043.8/11

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

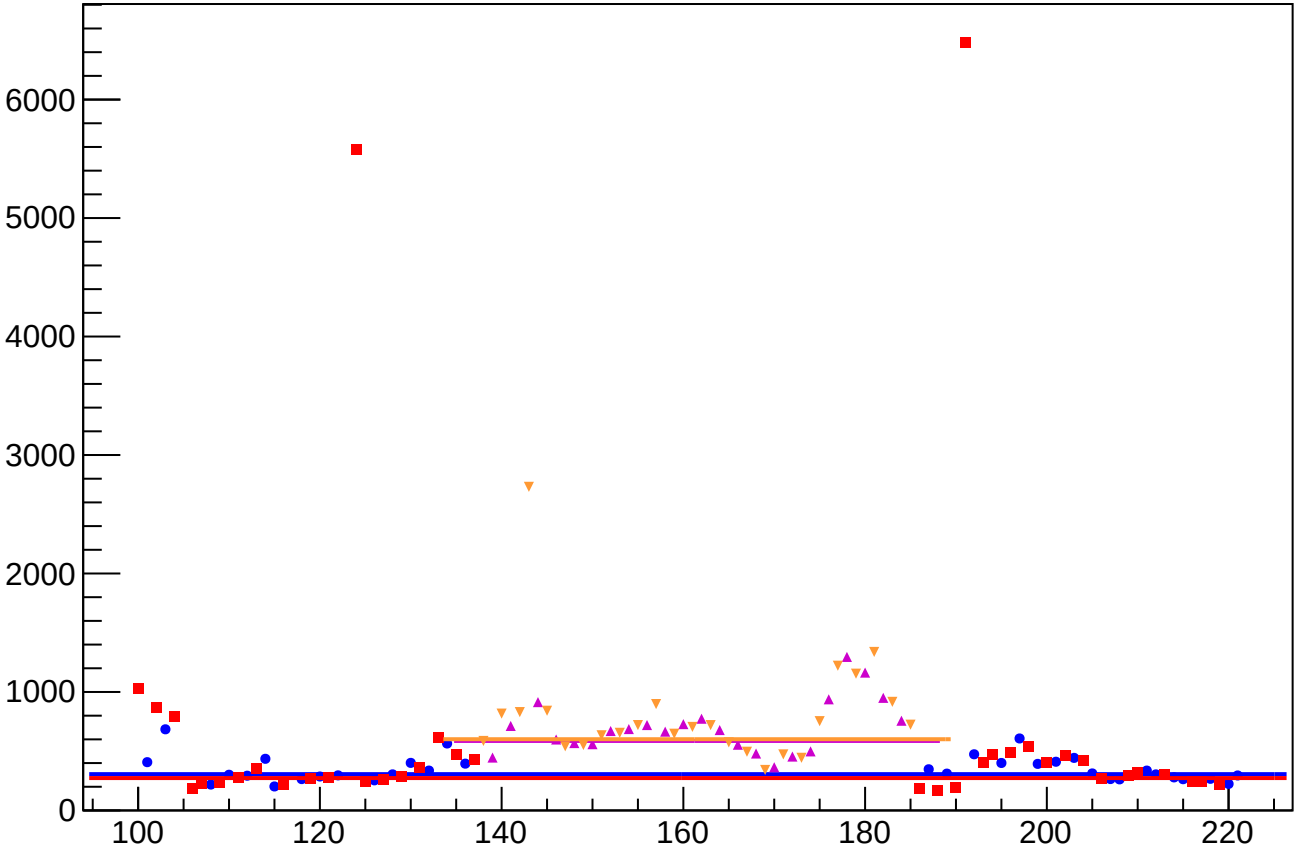
Right: 0.030+/-0.047 χ^2/NDF: 81.2/70

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.010+/-0.043 χ^2/NDF: 141.6/118

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: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

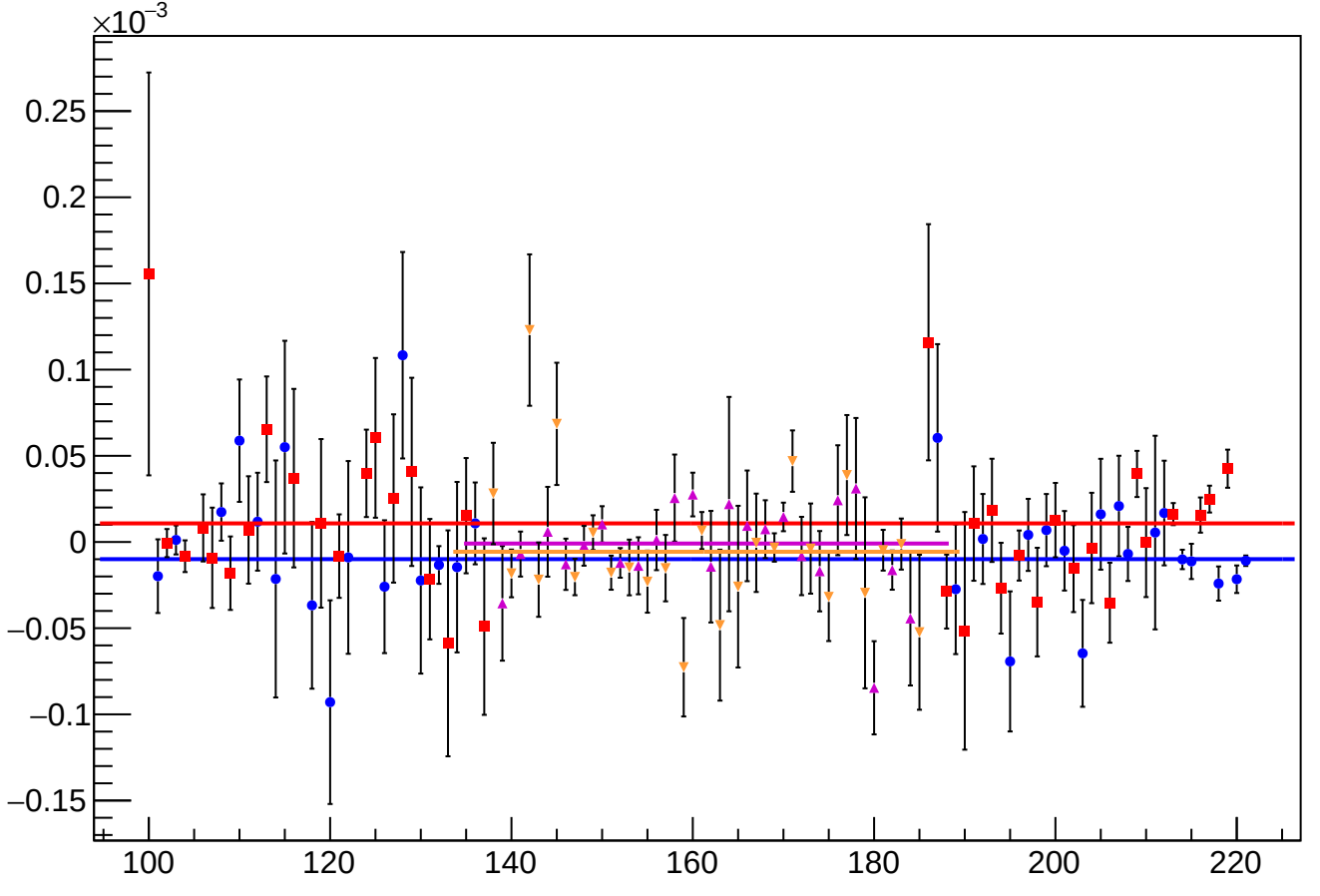
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 288.944+/-0.034 χ^2/NDF: 7951892.9/70

In: 358.247+/-0.044 χ^2/NDF:11526500.8/56

Out: 326.906+/-0.042 χ^2/NDF:17921781.6/61

All: 341.862+/-0.030 χ^2/NDF: 29712043.8/1



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: 55.2/36

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

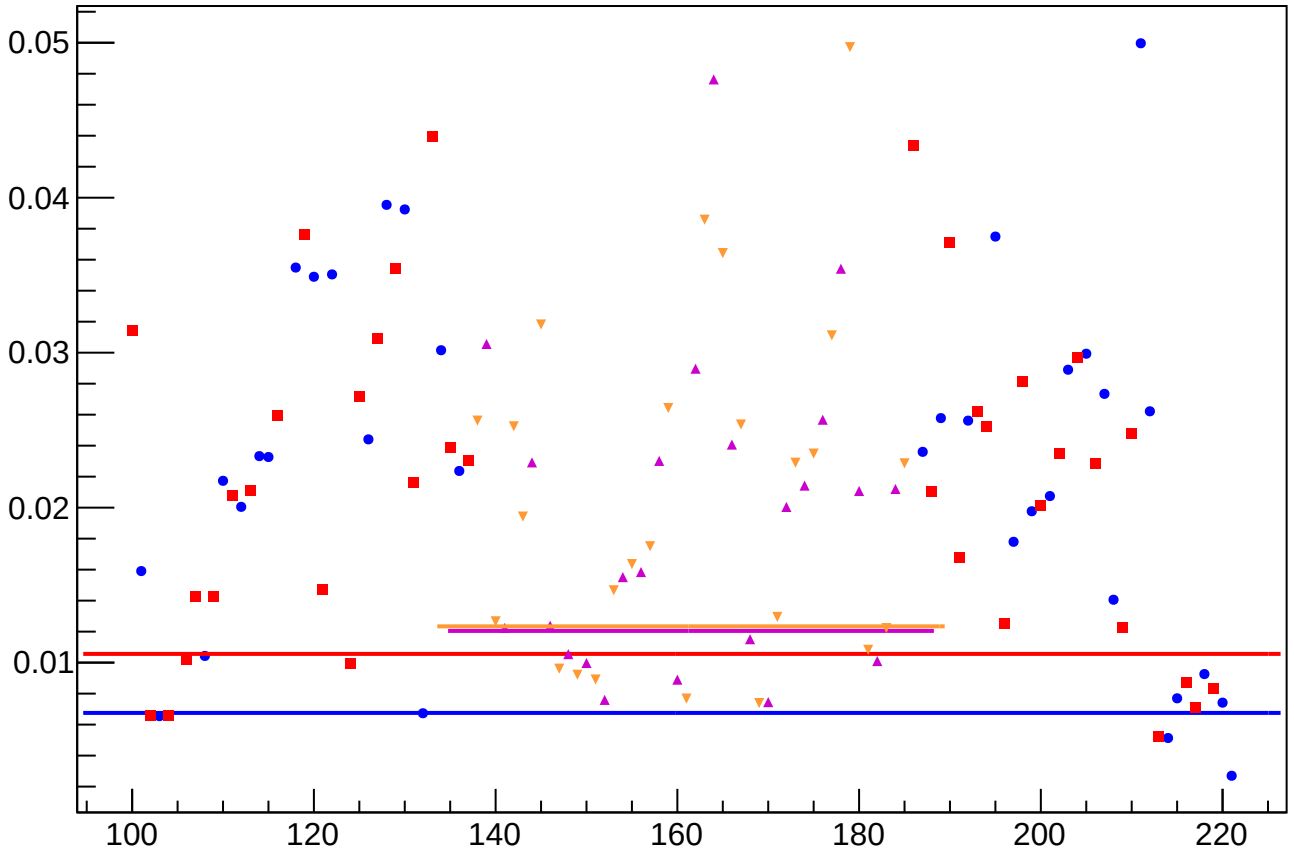
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 123.0/70

In: -0.000+/-0.000 χ^2/NDF:68.4/56

Out: 0.000+/-0.000 χ^2/NDF:112.4/61

All: -0.000+/-0.000 χ^2/NDF: 197.0/118



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: 0.011+/-0.000 χ^2/NDF: 12150977.8/36

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

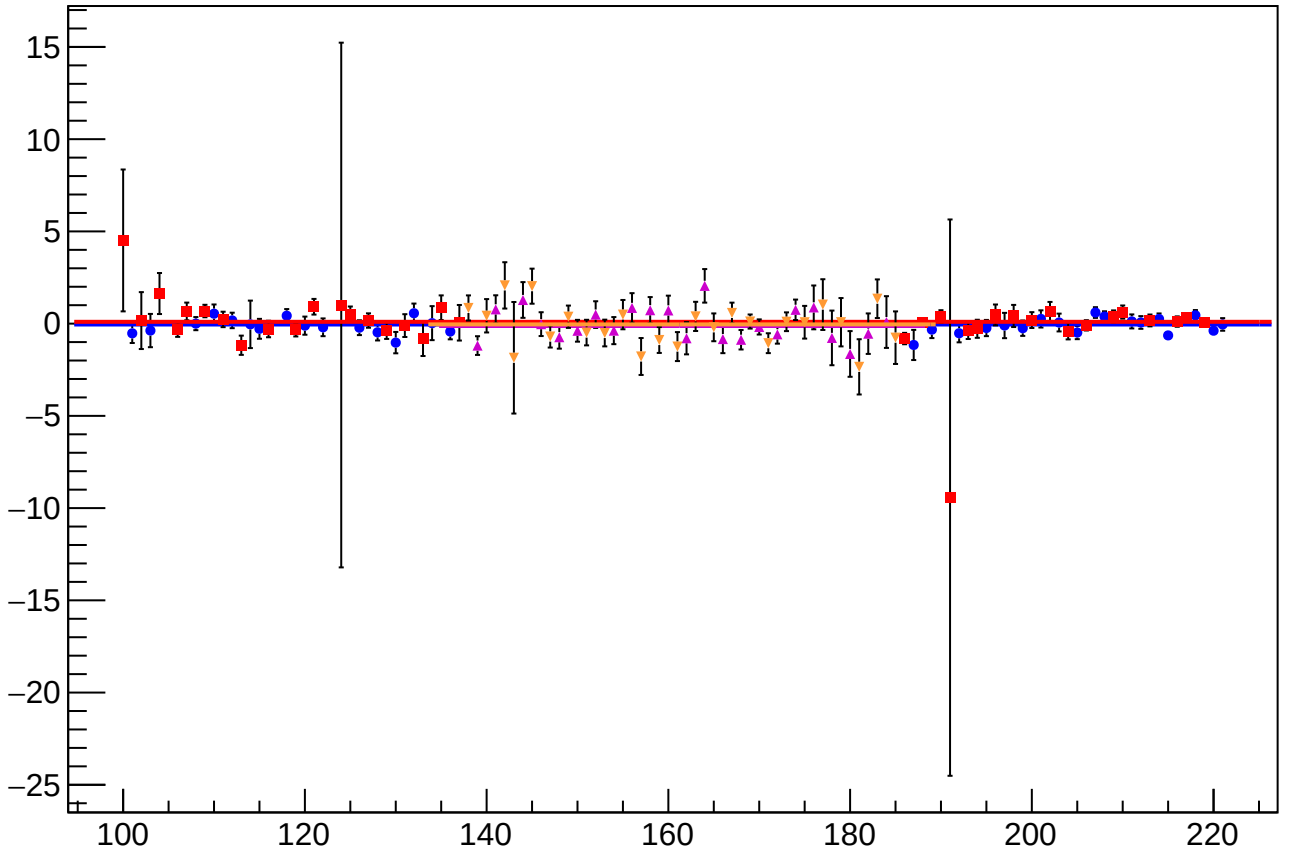
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.008+/-0.000 χ^2/NDF: 35096729.5/70

In: 0.008+/-0.000 χ^2/NDF:30665058.5/56

Out: 0.011+/-0.000 χ^2/NDF:20332221.3/61

All: 0.010+/-0.000 χ^2/NDF: 53422554.3/118



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: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

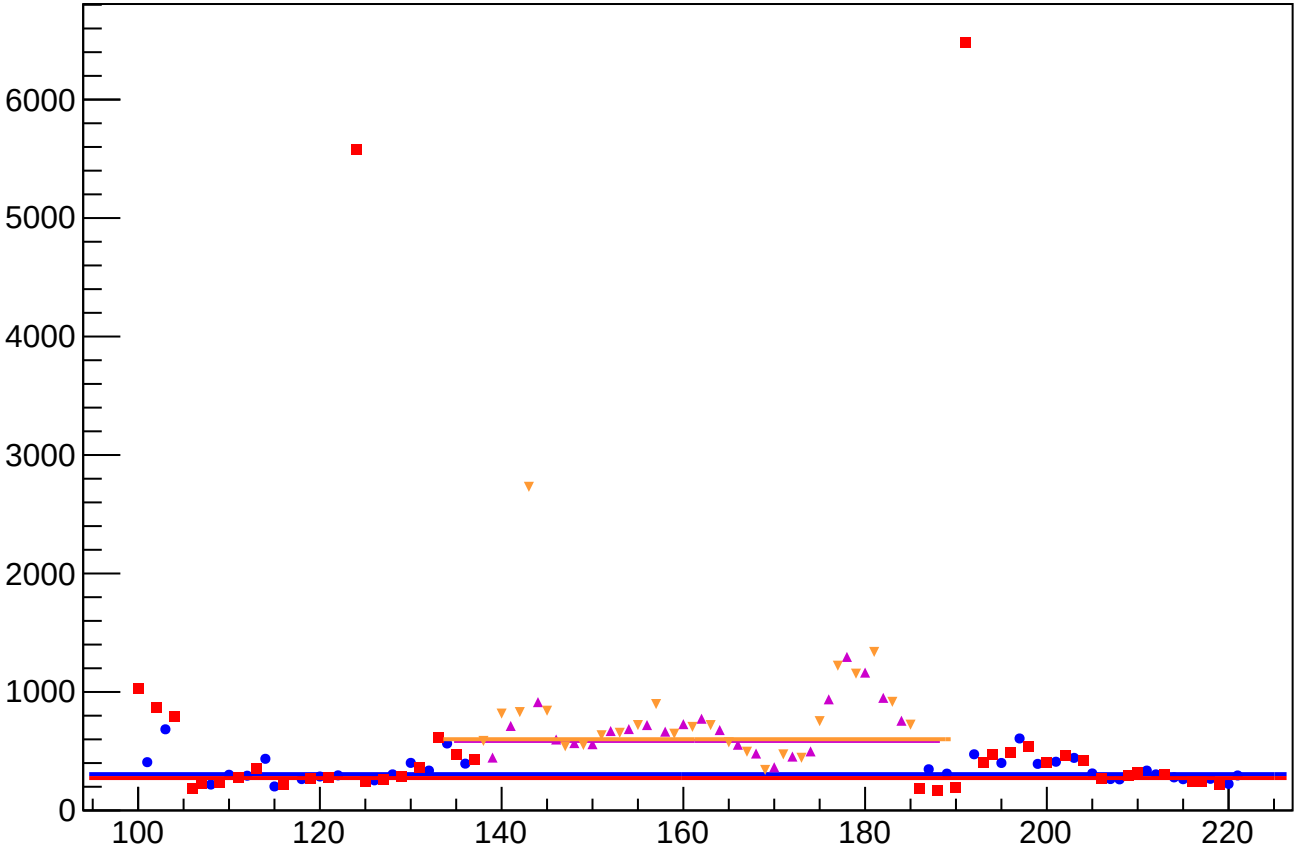
Right: 0.030+/-0.047 χ^2/NDF: 81.2/70

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.010+/-0.043 χ^2/NDF: 141.6/118

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: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

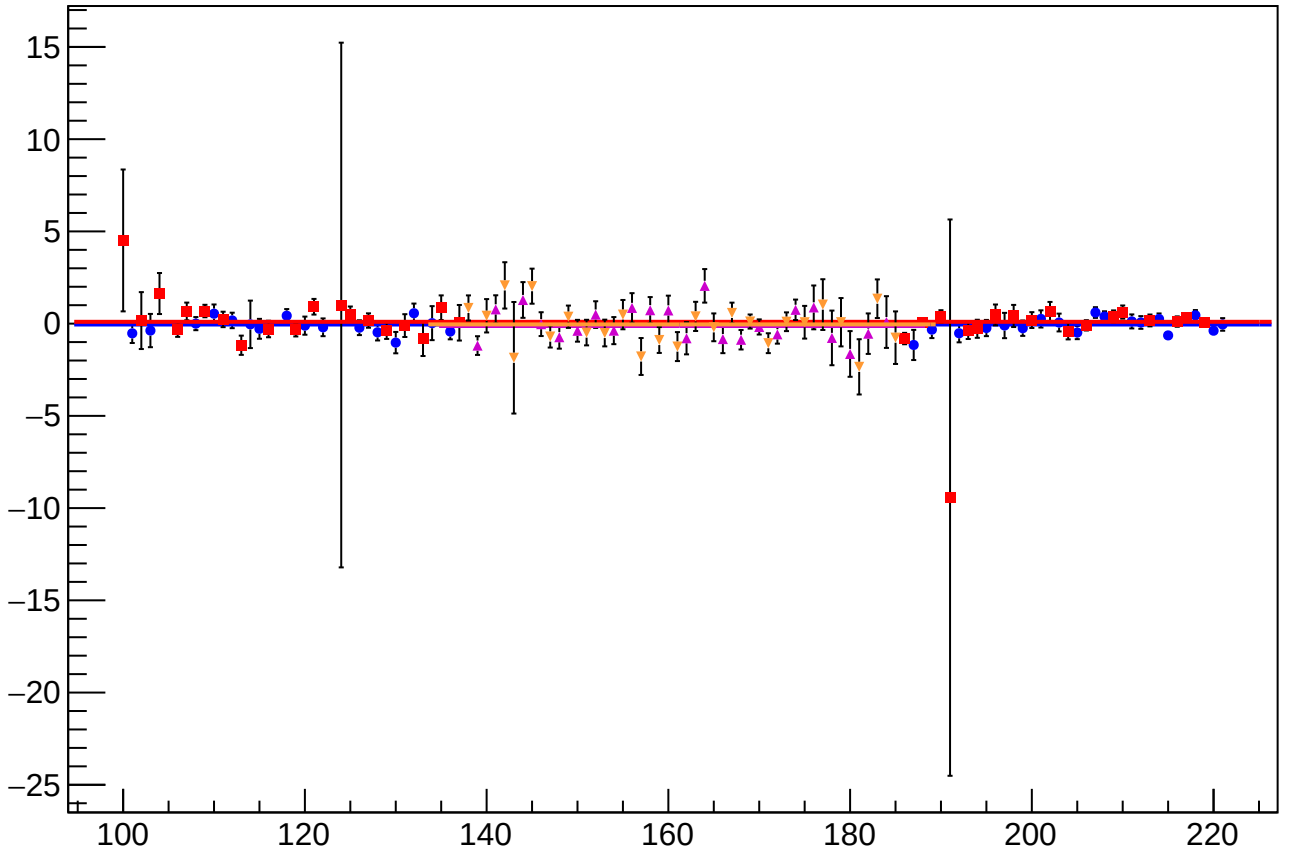
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 288.941+/-0.034 χ^2/NDF: 7952194.7/70

In: 358.246+/-0.044 χ^2/NDF:11526705.2/56

Out: 326.901+/-0.042 χ^2/NDF:17922437.0/61

All: 341.859+/-0.030 χ^2/NDF: 29712971.3/11



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: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

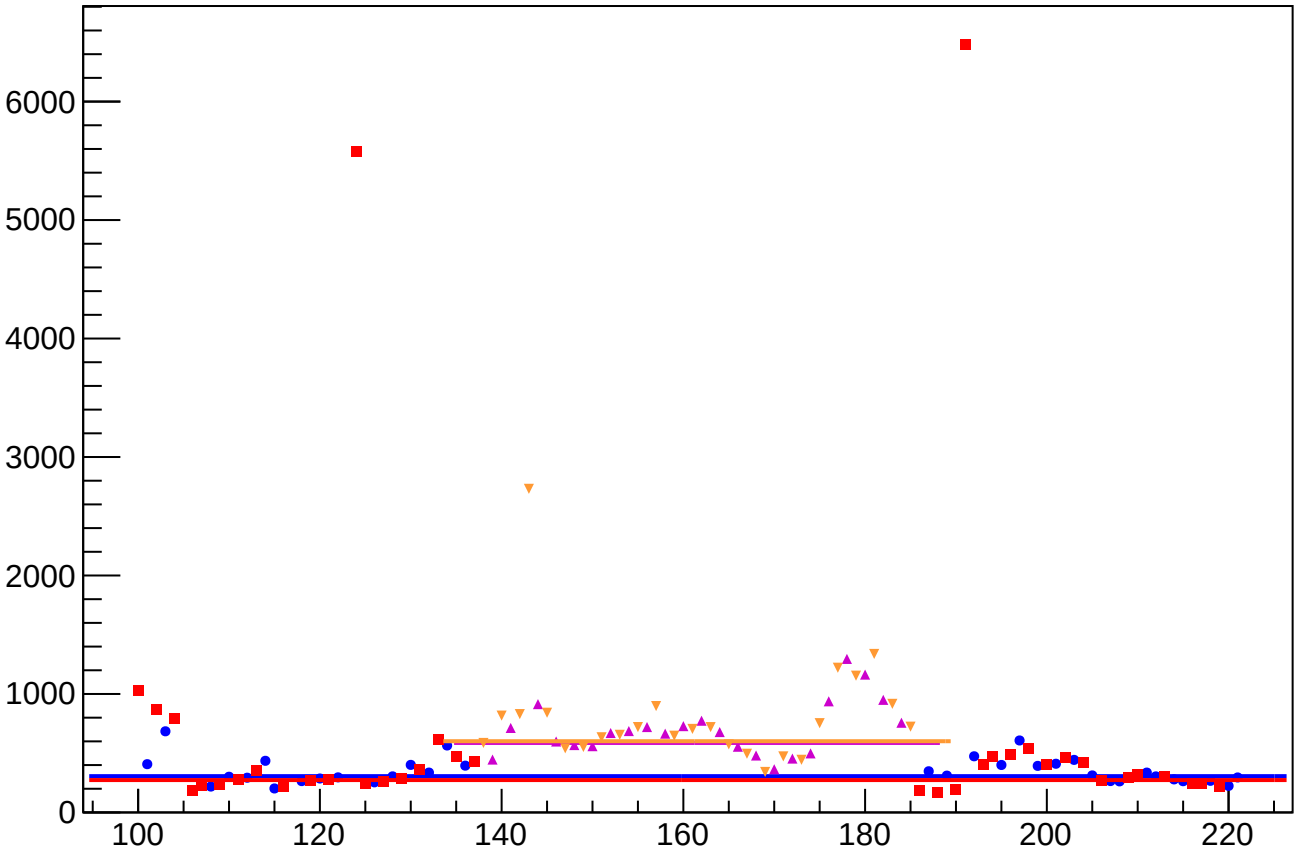
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.030+/-0.047 χ^2/NDF: 81.2/70

In: -0.062+/-0.062 χ^2/NDF:63.9/56

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.010+/-0.043 χ^2/NDF: 141.6/118



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: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

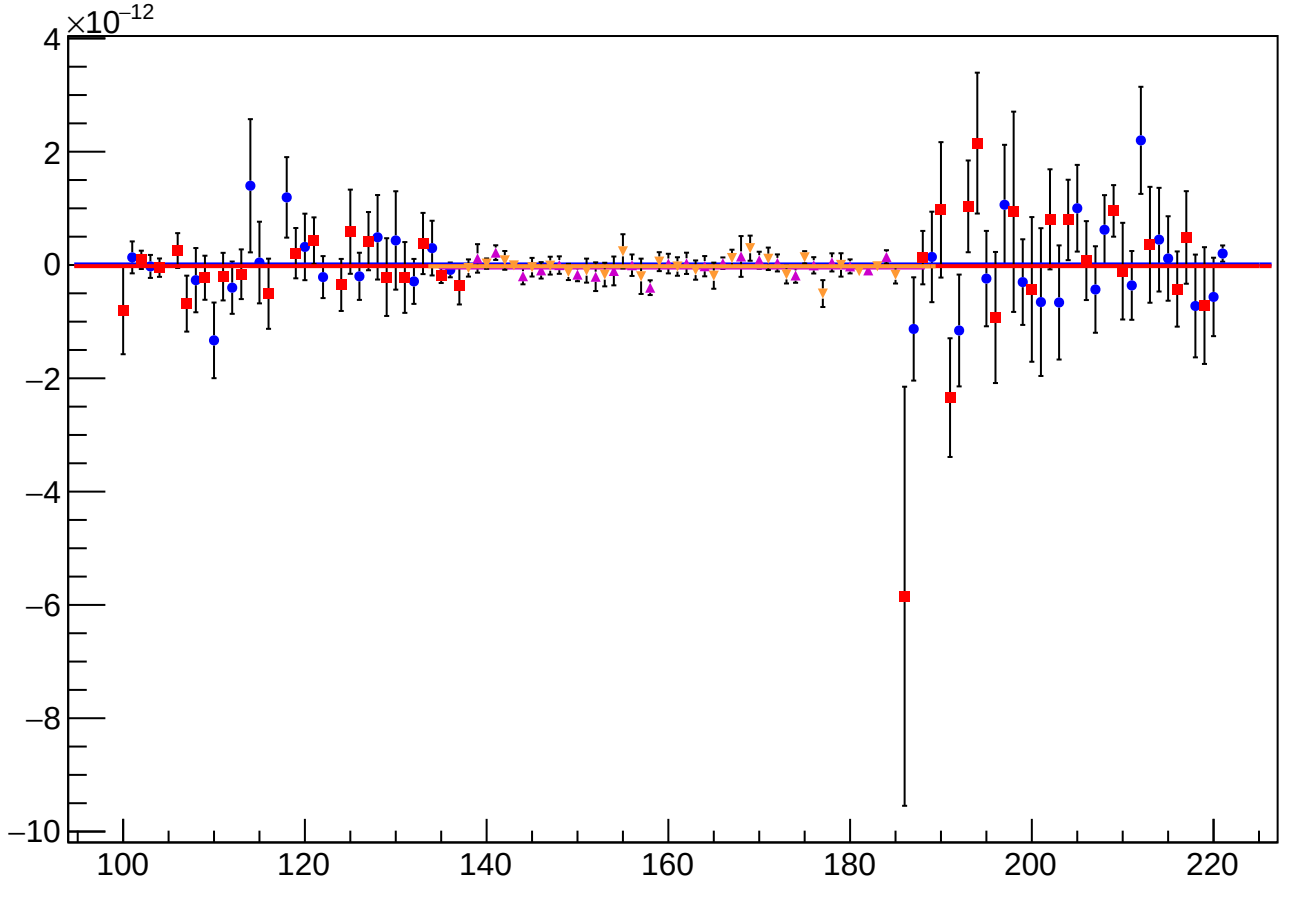
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 288.941+/-0.034 χ^2/NDF: 7952194.7/70

In: 358.246+/-0.044 χ^2/NDF:11526705.2/56

Out: 326.901+/-0.042 χ^2/NDF:17922437.0/61

All: 341.859+/-0.030 χ^2/NDF: 29712971.3/11



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: 33.9/36

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

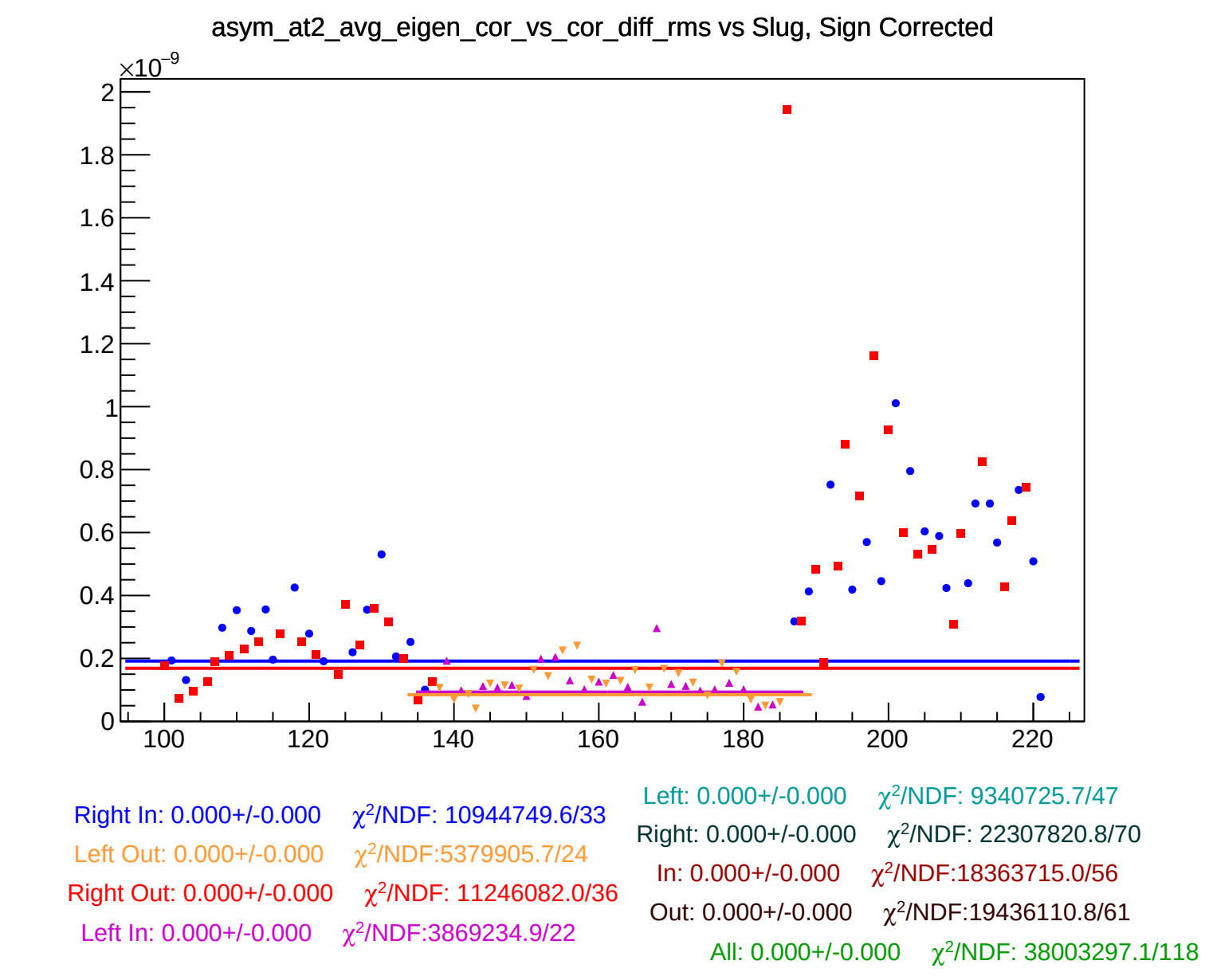
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

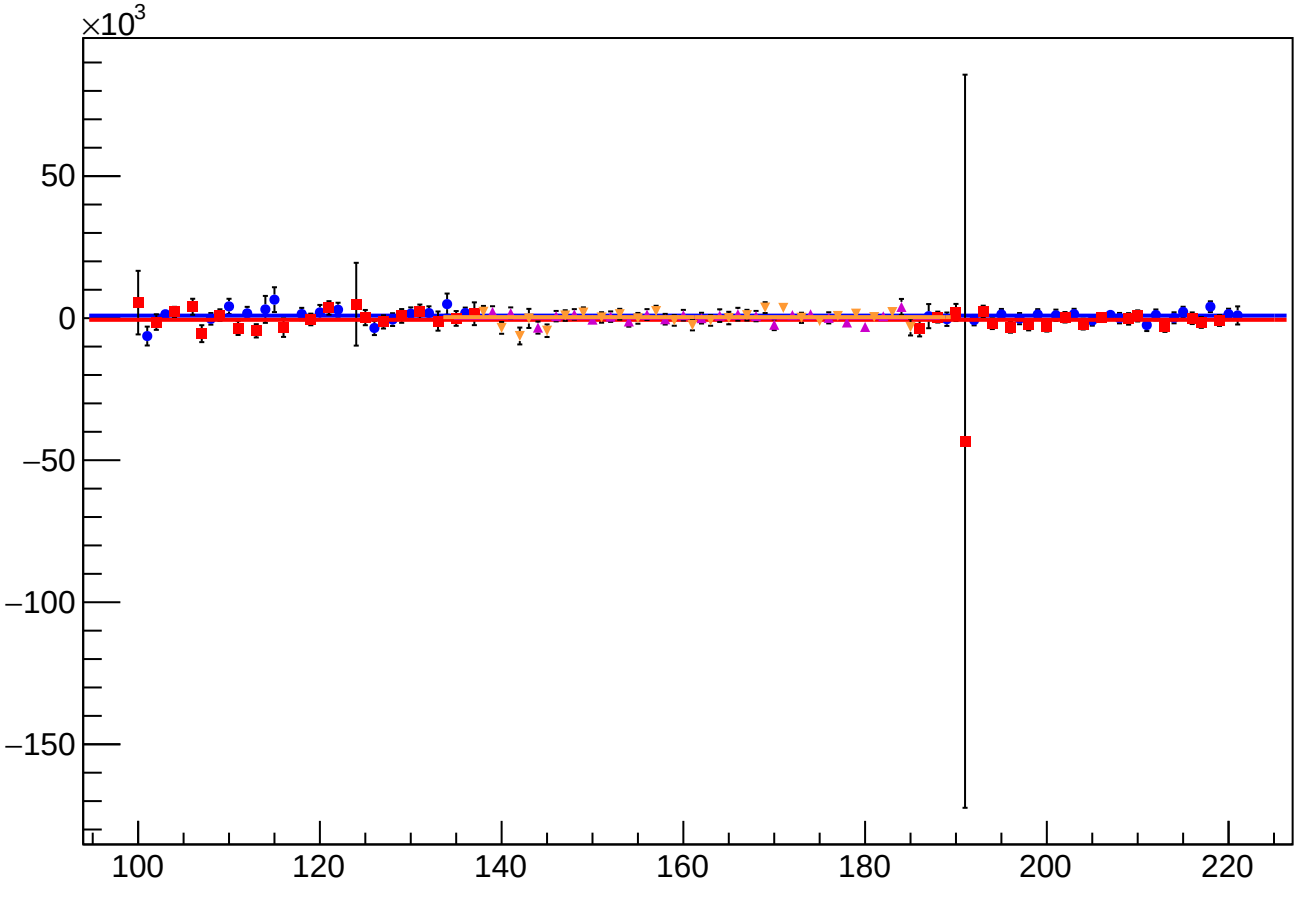
Right: -0.000+/-0.000 χ^2/NDF: 63.5/70

In: -0.000+/-0.000 χ^2/NDF:52.1/56

Out: -0.000+/-0.000 χ^2/NDF:50.2/61

All: -0.000+/-0.000 χ^2/NDF: 102.5/118


asym_at2_avg_eigen_cor_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: 10944749.6/33
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11246082.0/36
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
Left: 0.000+/-0.000 χ²/NDF: 9340725.7/47
Right: 0.000+/-0.000 χ²/NDF: 22307820.8/70
In: 0.000+/-0.000 χ²/NDF:18363715.0/56
Out: 0.000+/-0.000 χ²/NDF:19436110.8/61
All: 0.000+/-0.000 χ²/NDF: 38003297.1/118



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: -583.190+/-373.904 χ^2/NDF: 31.3/36

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

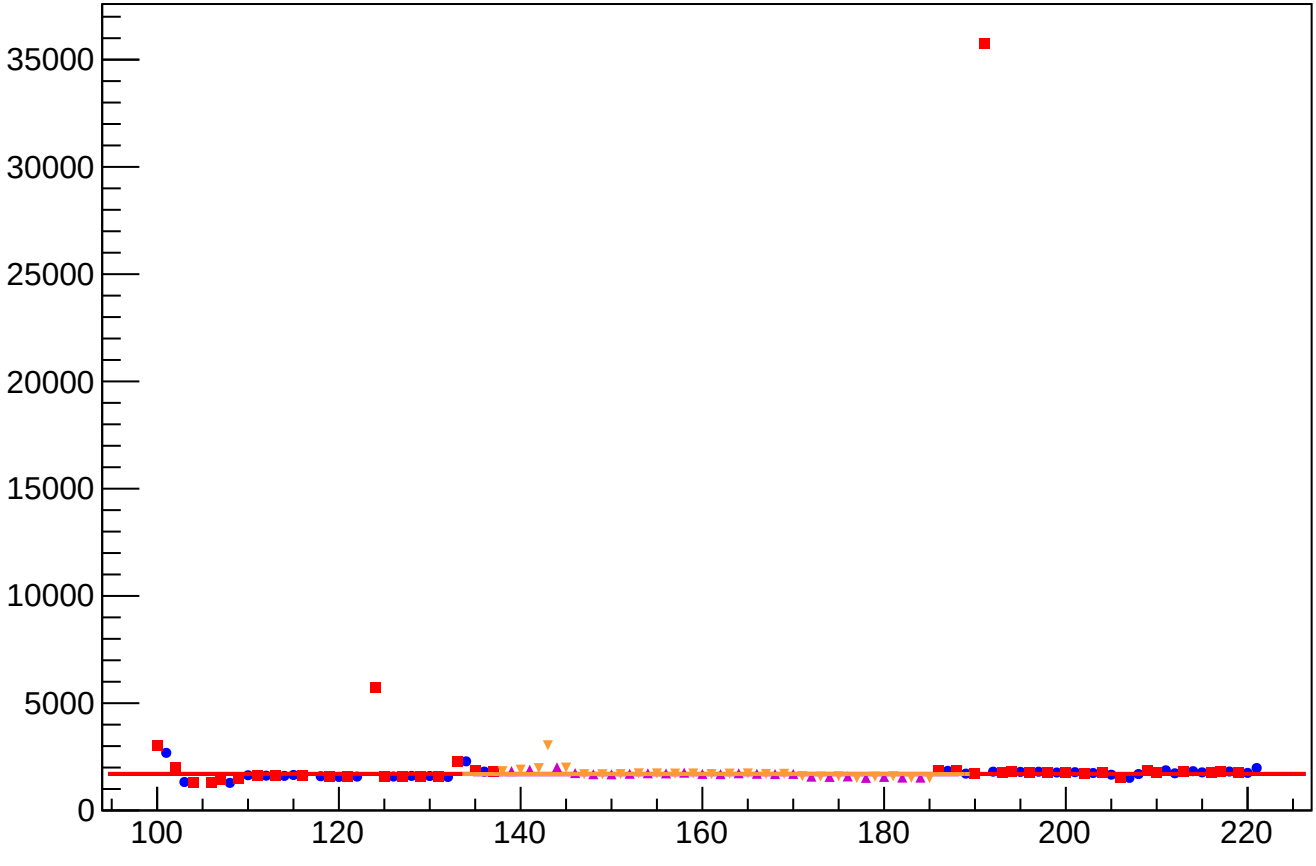
Right: 162.725+/-263.066 χ^2/NDF: 62.6/70

In: 548.637+/-269.871 χ^2/NDF:41.3/56

Out: -128.407+/-269.279 χ^2/NDF:64.0/61

All: 209.372+/-190.618 χ^2/NDF: 108.4/118

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: 1704.462+/-0.264 χ^2/NDF: 734008.5/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

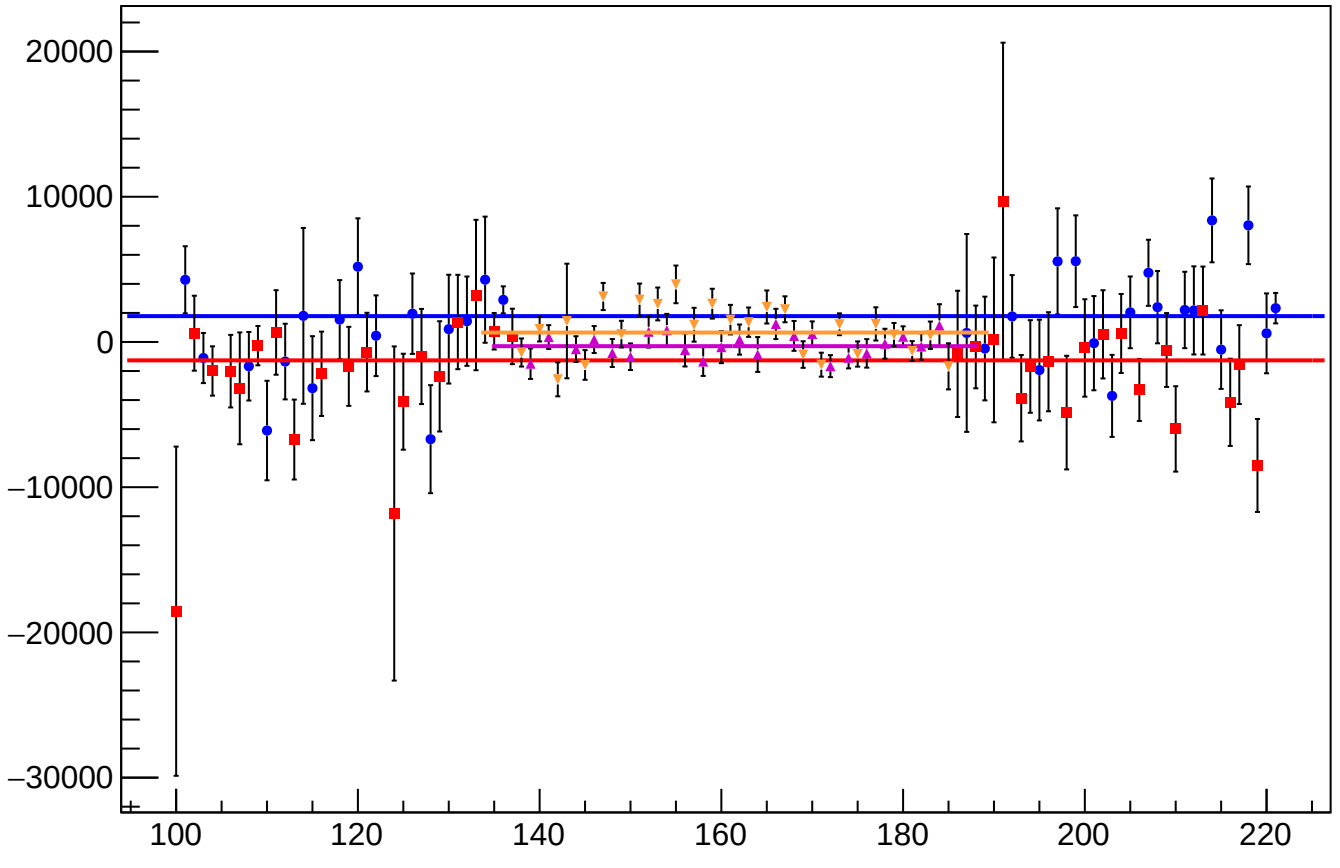
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1703.373+/-0.186 χ^2/NDF: 1282288.7/70

In: 1693.999+/-0.191 χ^2/NDF:715751.7/56

Out: 1701.109+/-0.190 χ^2/NDF:1229740.6/61

All: 1697.562+/-0.135 χ^2/NDF: 1946187.9/11



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: -1266.534+/-444.047 χ^2/NDF: 29.4/36

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

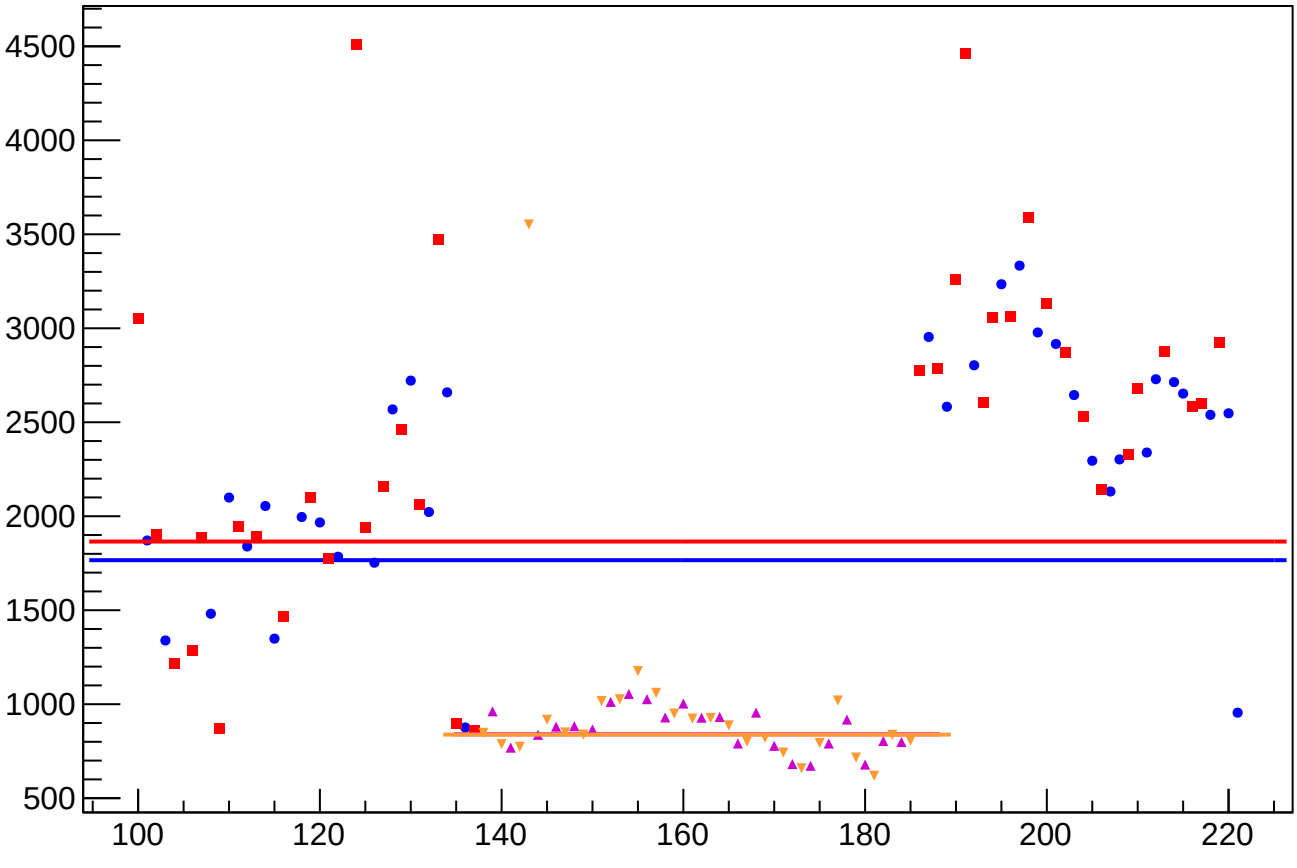
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 370.775+/-301.988 χ^2/NDF: 99.7/70

In: 101.158+/-178.815 χ^2/NDF:82.0/56

Out: 337.669+/-179.057 χ^2/NDF:110.5/61

All: 219.254+/-126.527 χ^2/NDF: 193.4/118



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: 1865.351+/-0.314 χ^2/NDF: 6818652.9/36

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

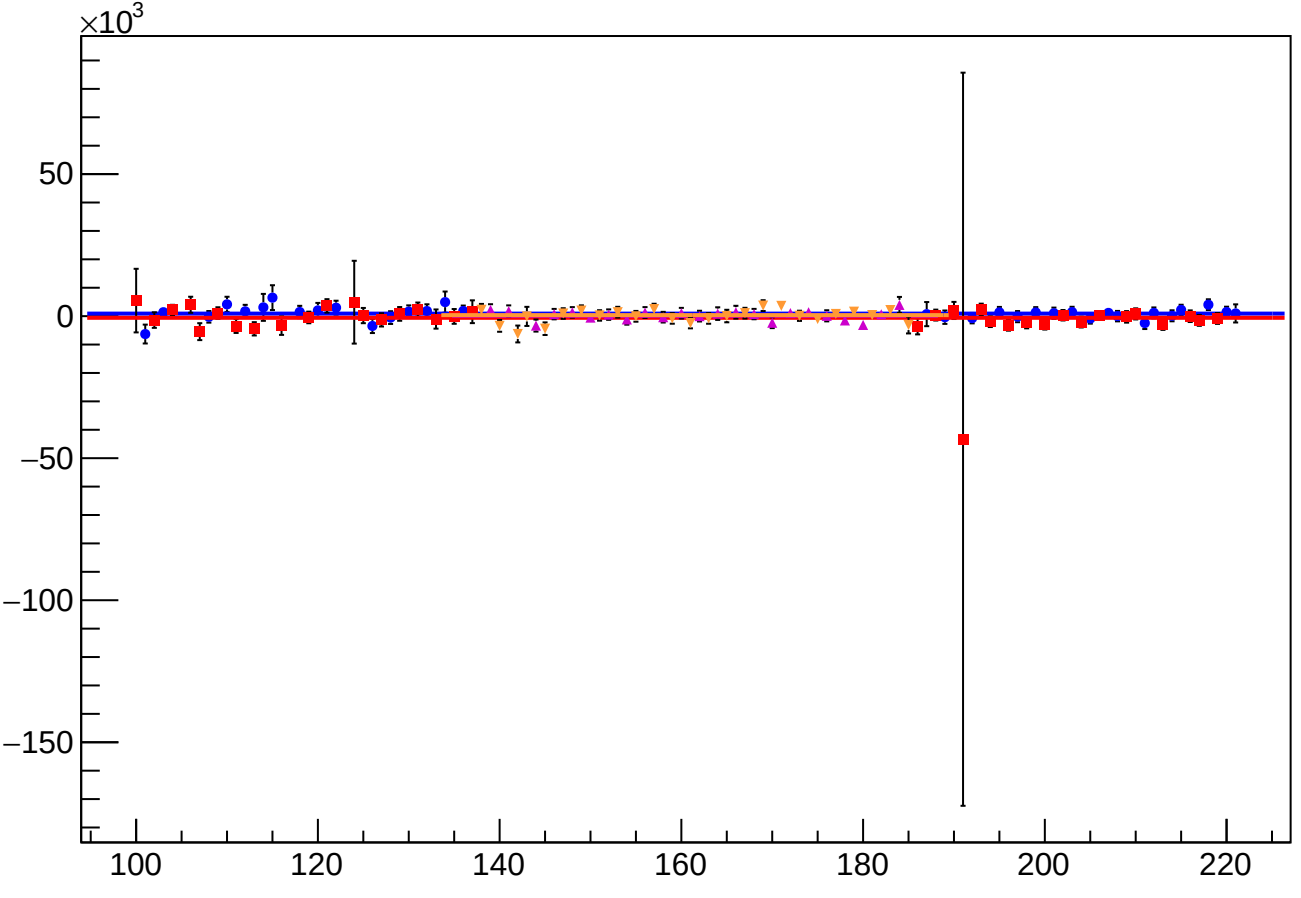
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1812.015+/-0.214 χ^2/NDF: 13637082.4/70

In: 1014.510+/-0.126 χ^2/NDF:15639364.3/56

Out: 1005.252+/-0.127 χ^2/NDF:17579477.3/61

All: 1009.887+/-0.089 χ^2/NDF: 33221518.5/



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: -583.280+/-373.904 χ^2/NDF: 31.3/36

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

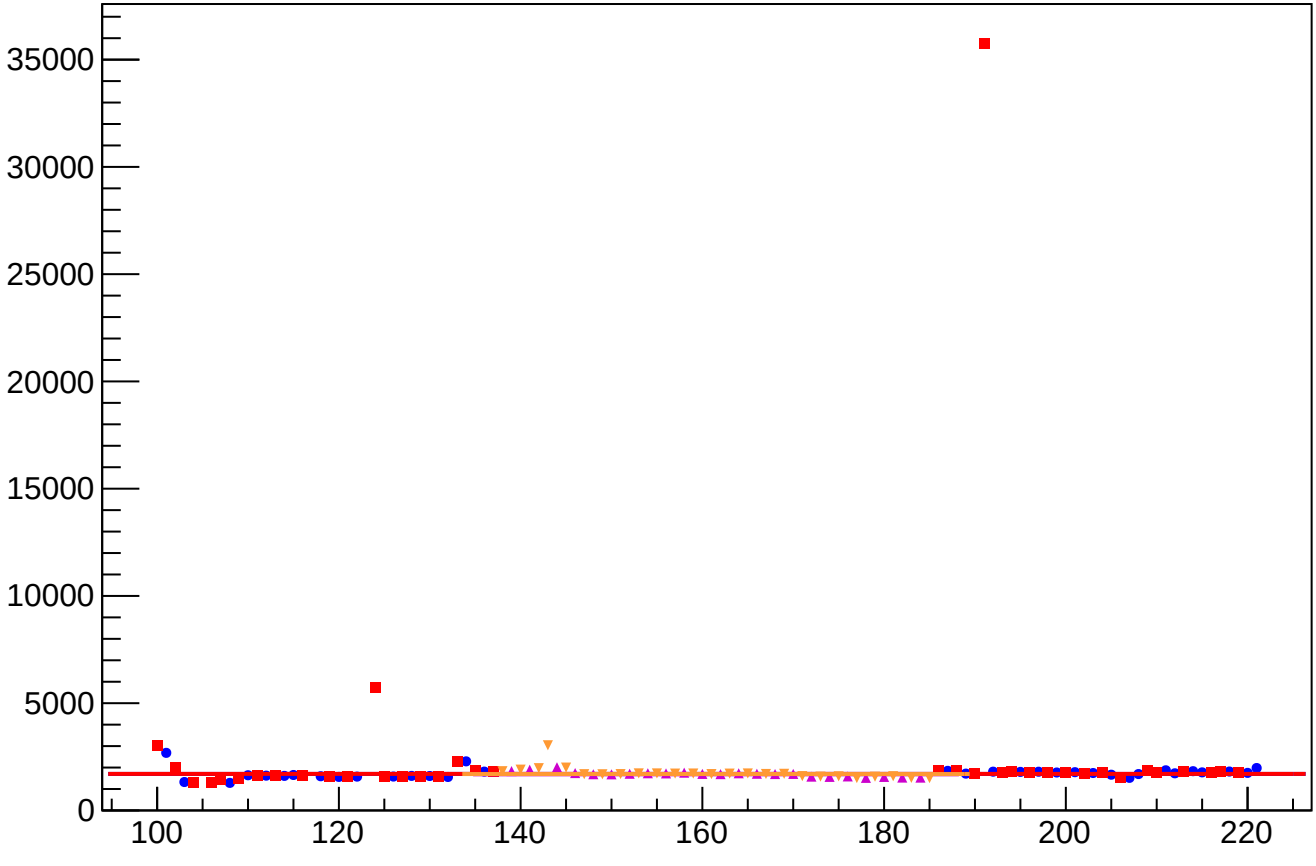
Right: 162.691+/-263.066 χ^2/NDF: 62.6/70

In: 548.603+/-269.871 χ^2/NDF:41.3/56

Out: -128.494+/-269.279 χ^2/NDF:64.0/61

All: 209.312+/-190.618 χ^2/NDF: 108.4/118

cor_asym_at2_dd_rms vs Slug, Sign Corrected



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: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

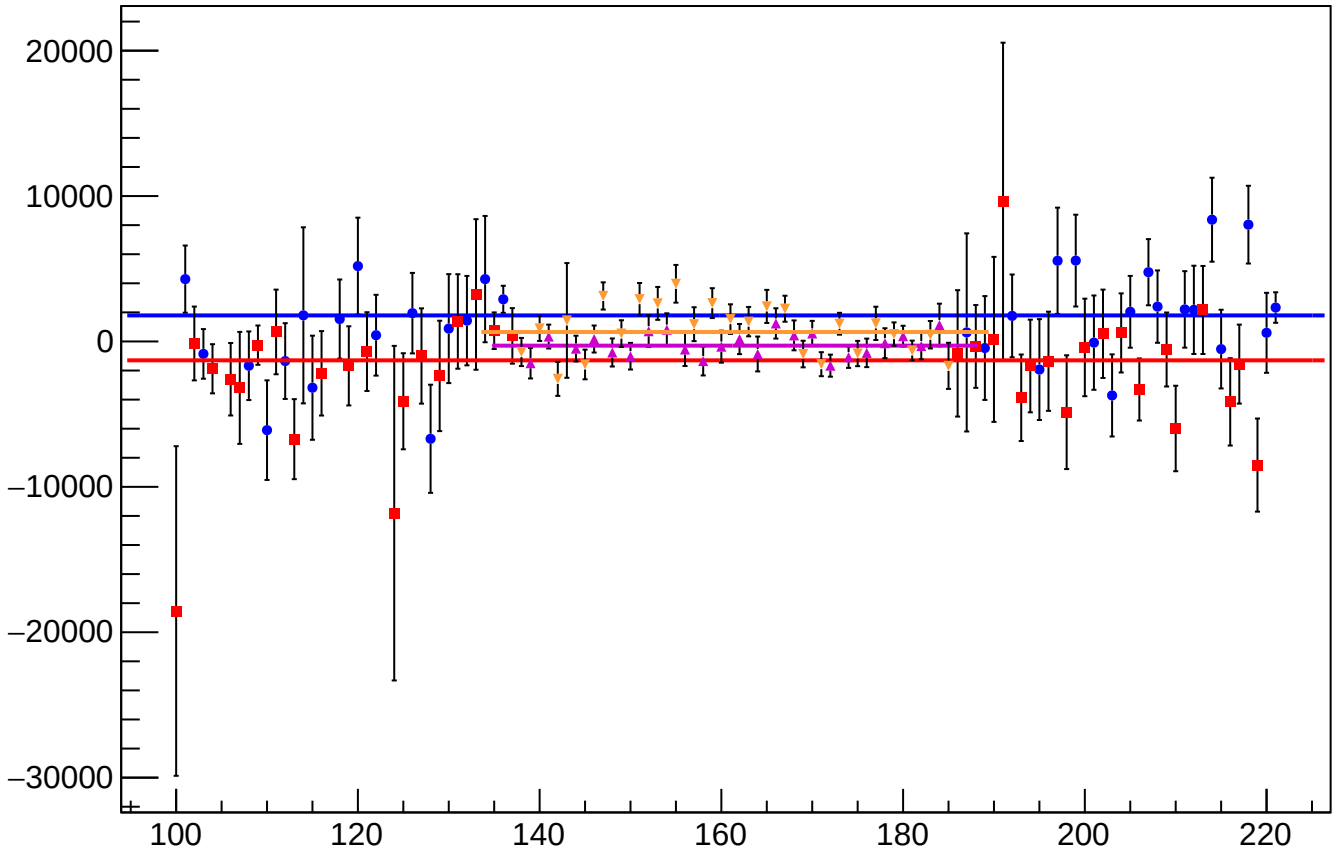
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1703.373+/-0.186 χ^2/NDF: 1282289.3/70

In: 1693.999+/-0.191 χ^2/NDF:715752.0/56

Out: 1701.109+/-0.190 χ^2/NDF:1229740.7/61

All: 1697.562+/-0.135 χ^2/NDF: 1946188.3/11



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: -1298.704+/-443.658 χ^2/NDF: 29.2/36

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

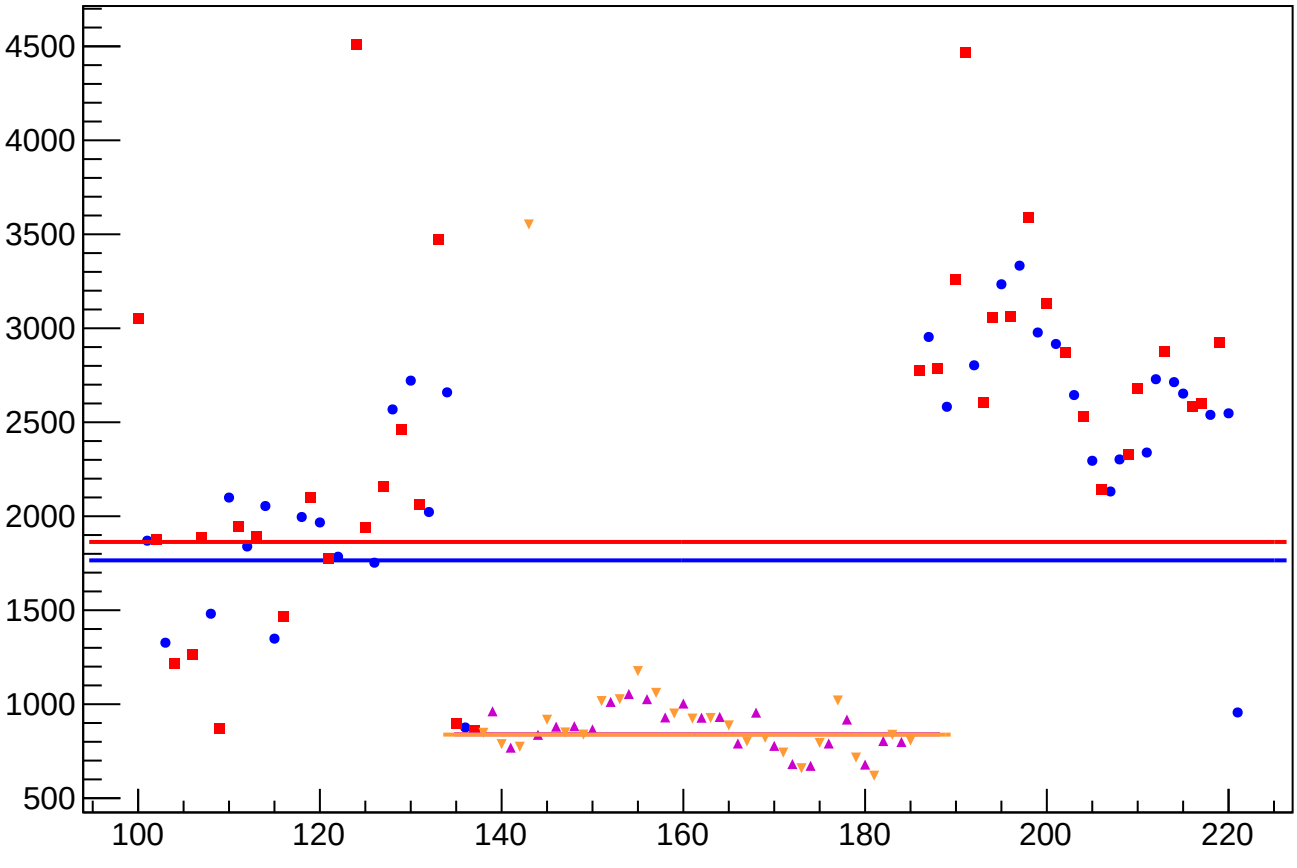
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 361.432+/-301.772 χ^2/NDF: 99.8/70

In: 103.641+/-178.796 χ^2/NDF:81.8/56

Out: 331.966+/-179.033 χ^2/NDF:110.9/61

All: 217.652+/-126.512 χ^2/NDF: 193.5/118



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: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

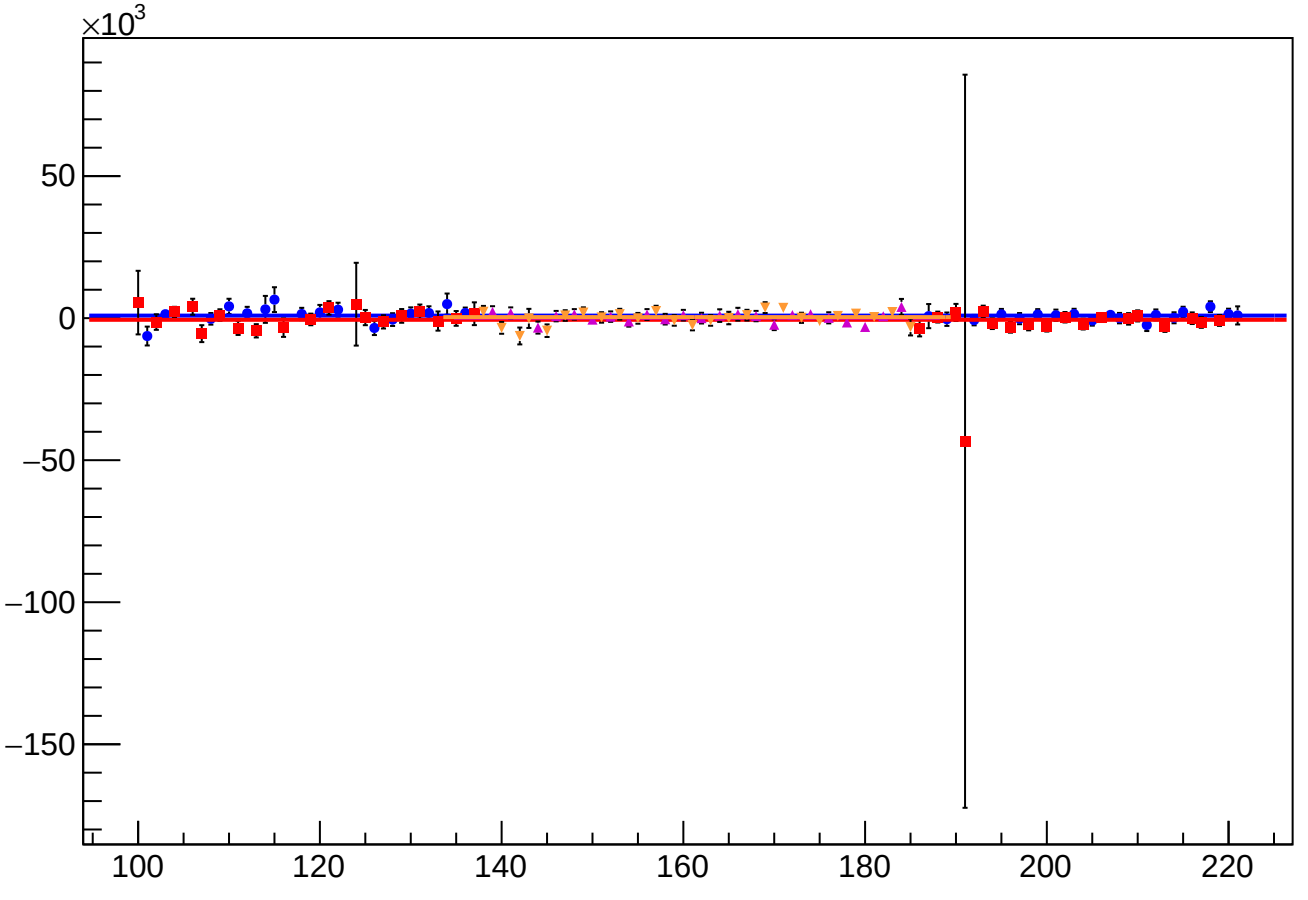
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1810.549+/-0.213 χ^2/NDF: 13653115.2/70

In: 1014.506+/-0.126 χ^2/NDF:15635304.1/56

Out: 1005.160+/-0.127 χ^2/NDF:17567765.3/61

All: 1009.839+/-0.089 χ^2/NDF: 33205797.5/



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: -583.280+/-373.904 χ^2/NDF: 31.3/36

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

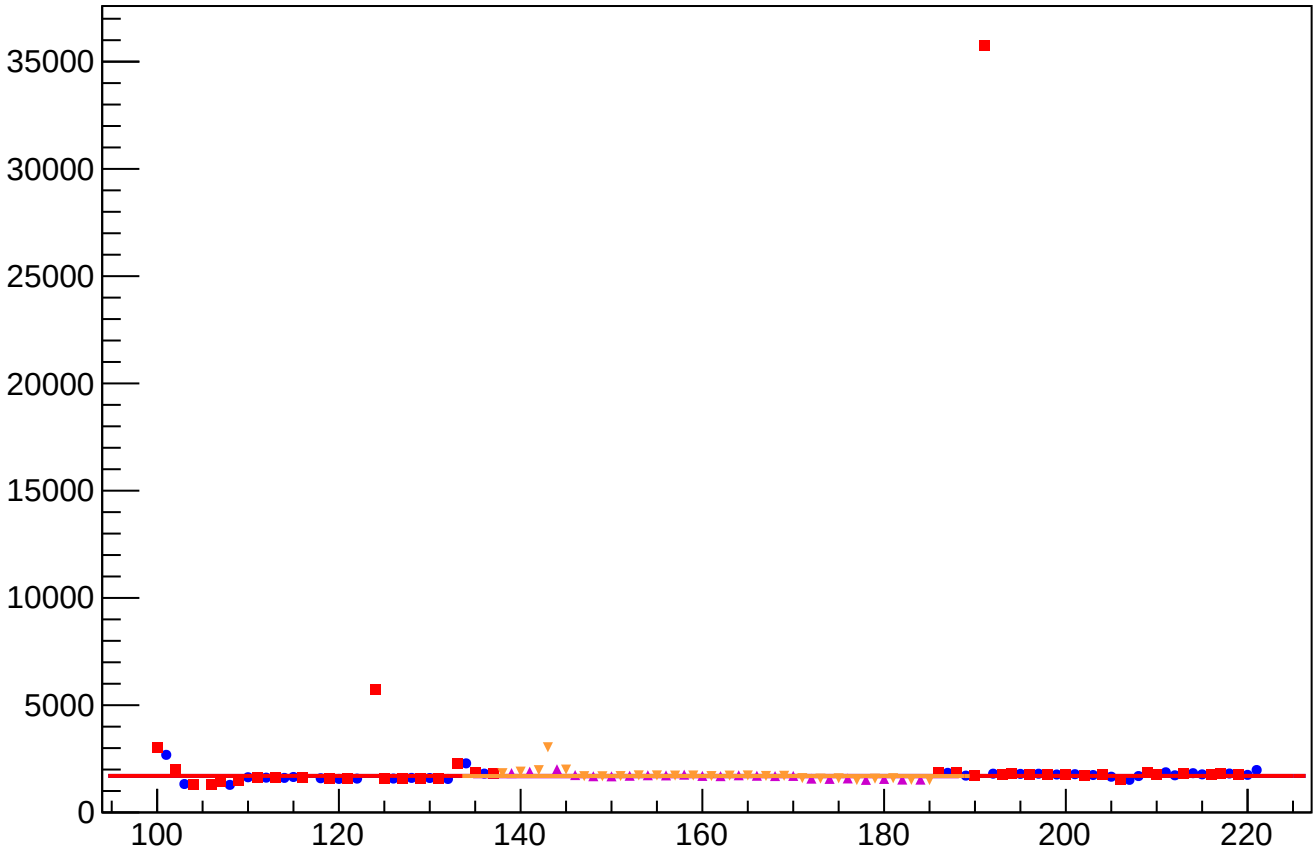
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 162.691+/-263.066 χ^2/NDF: 62.6/70

In: 548.603+/-269.871 χ^2/NDF:41.3/56

Out: -128.494+/-269.279 χ^2/NDF:64.0/61

All: 209.312+/-190.618 χ^2/NDF: 108.4/118



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: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

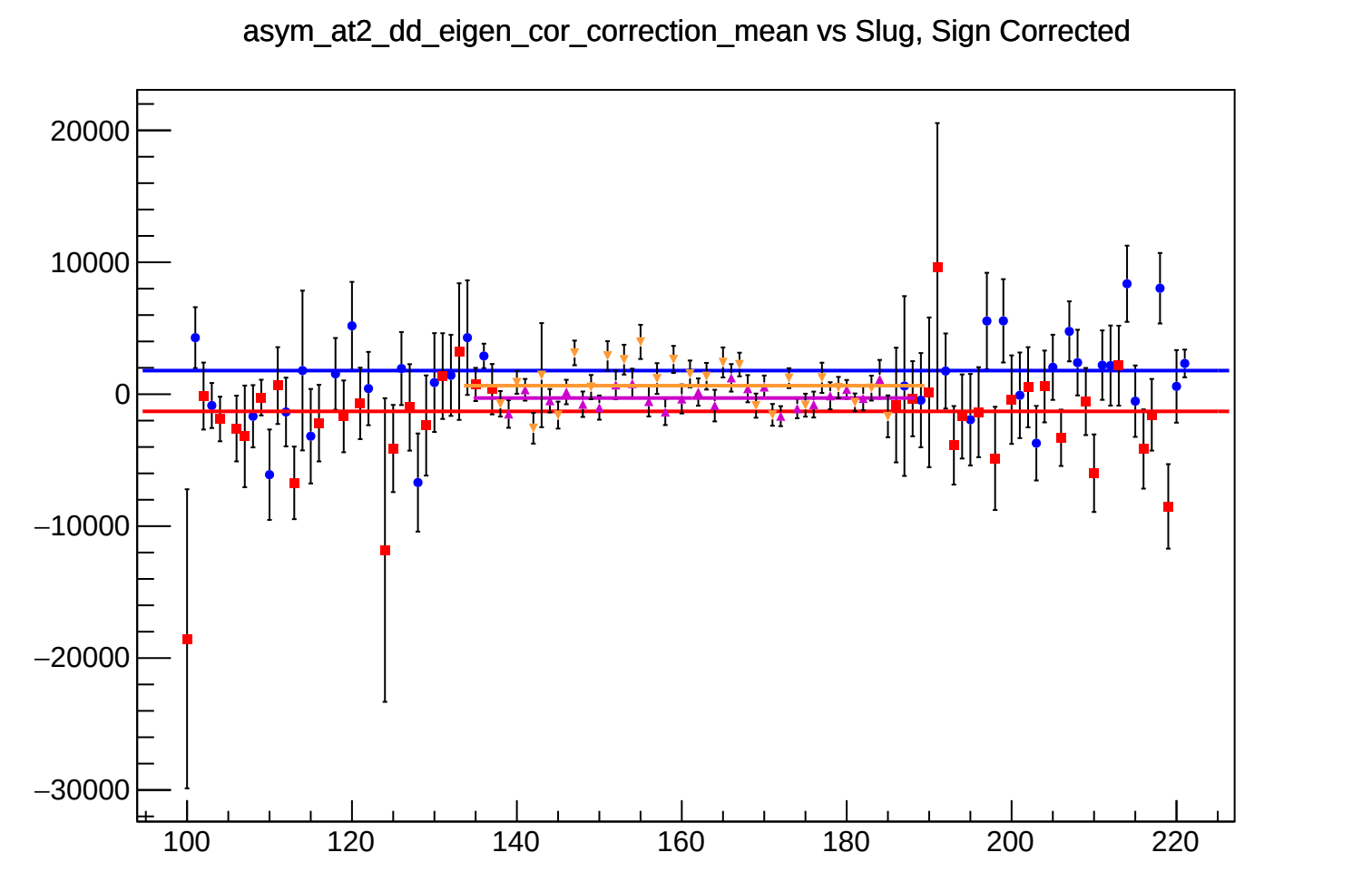
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1703.373+/-0.186 χ^2/NDF: 1282289.3/70

In: 1693.999+/-0.191 χ^2/NDF:715752.0/56

Out: 1701.109+/-0.190 χ^2/NDF:1229740.7/61

All: 1697.562+/-0.135 χ^2/NDF: 1946188.3/11



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: -1298.704+/-443.658 χ^2/NDF: 29.2/36

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

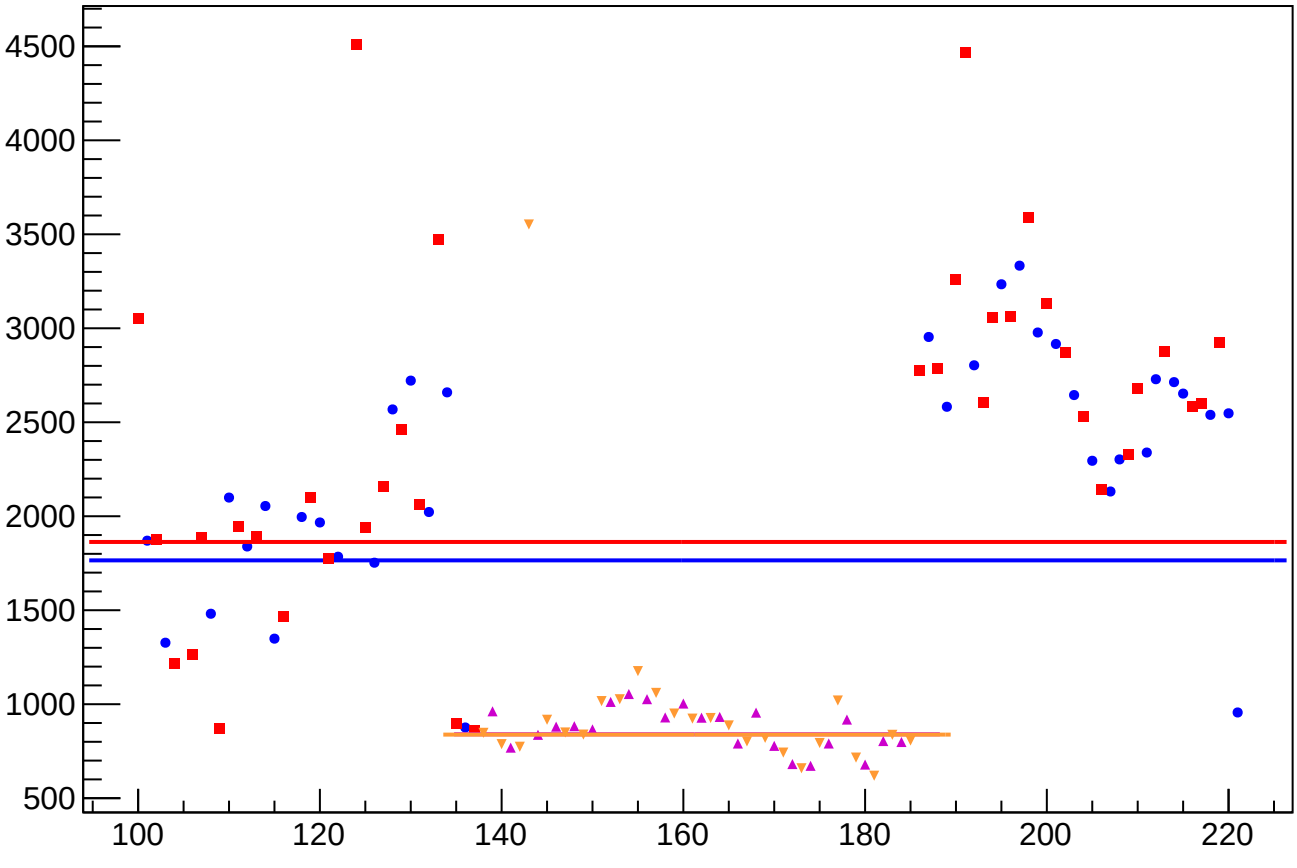
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 361.432+/-301.772 χ^2/NDF: 99.8/70

In: 103.641+/-178.796 χ^2/NDF:81.8/56

Out: 331.966+/-179.033 χ^2/NDF:110.9/61

All: 217.652+/-126.512 χ^2/NDF: 193.5/118



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: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

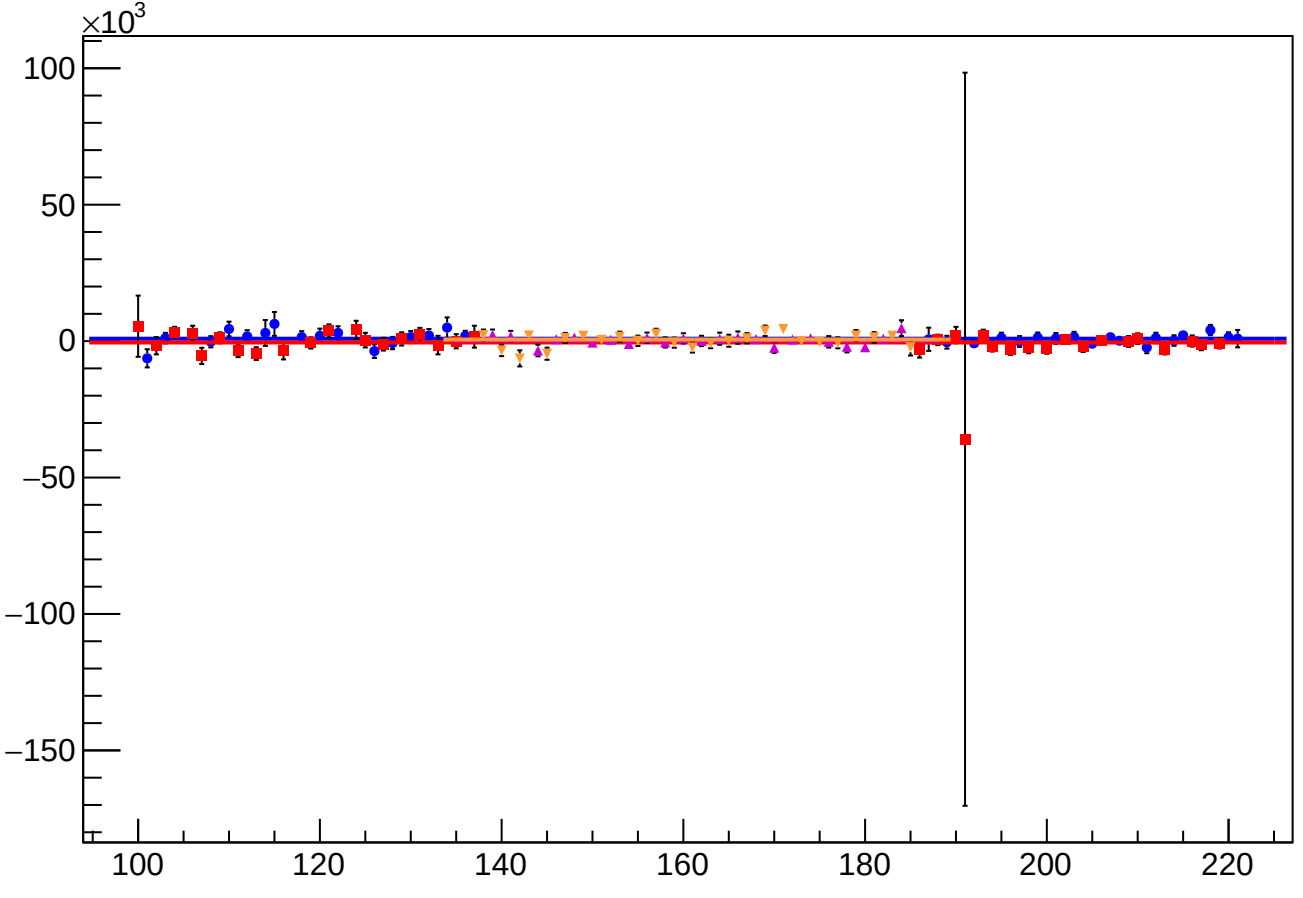
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1810.549+/-0.213 χ^2/NDF: 13653115.2/70

In: 1014.506+/-0.126 χ^2/NDF:15635304.1/56

Out: 1005.160+/-0.127 χ^2/NDF:17567765.3/61

All: 1009.839+/-0.089 χ^2/NDF: 33205797.5/



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: -500.993+/-374.351 χ^2/NDF: 33.7/36

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

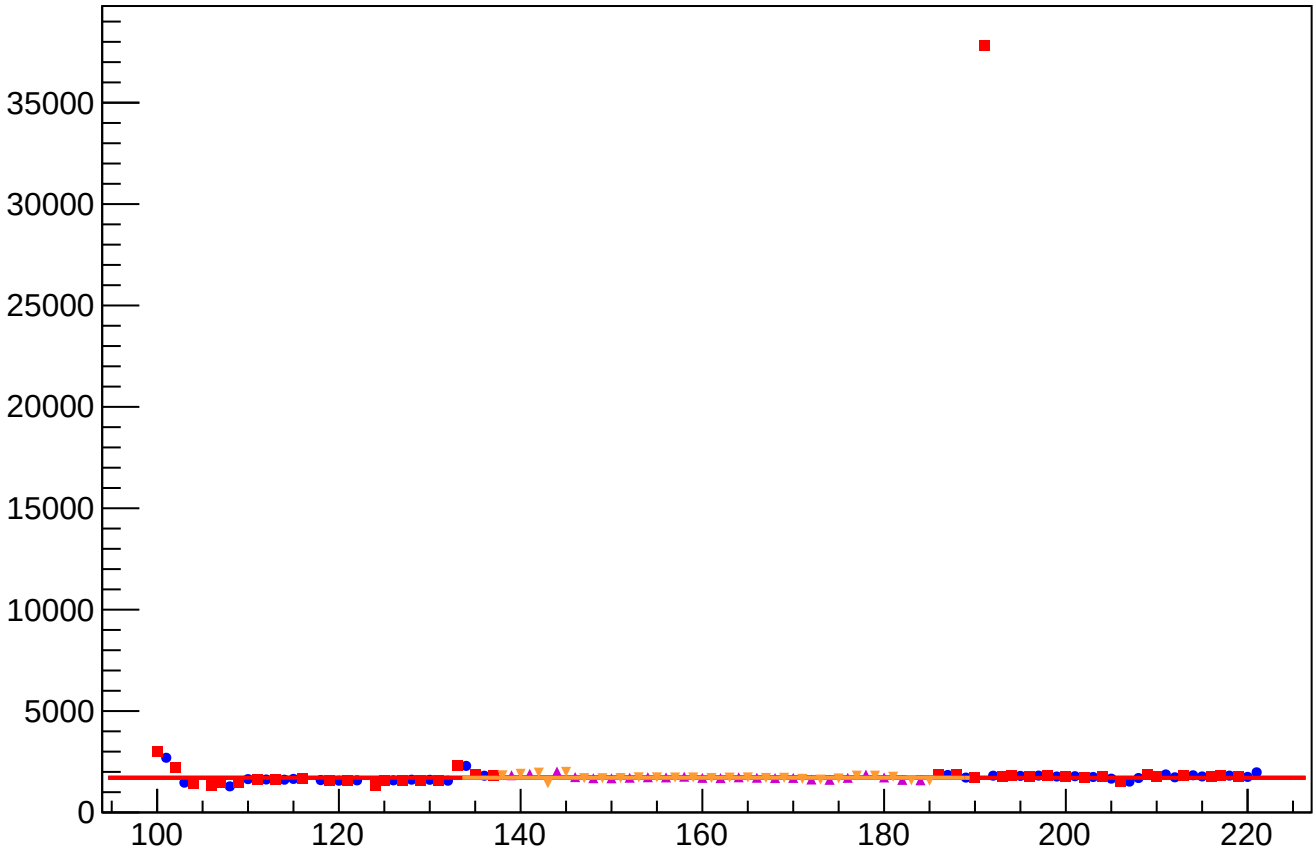
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 196.307+/-264.003 χ^2/NDF: 64.5/70

In: 564.610+/-273.835 χ^2/NDF:39.9/56

Out: 17.845+/-269.992 χ^2/NDF:69.7/61

All: 287.364+/-192.257 χ^2/NDF: 111.6/118



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: 1709.037+/-0.265 χ^2/NDF: 592570.8/36

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

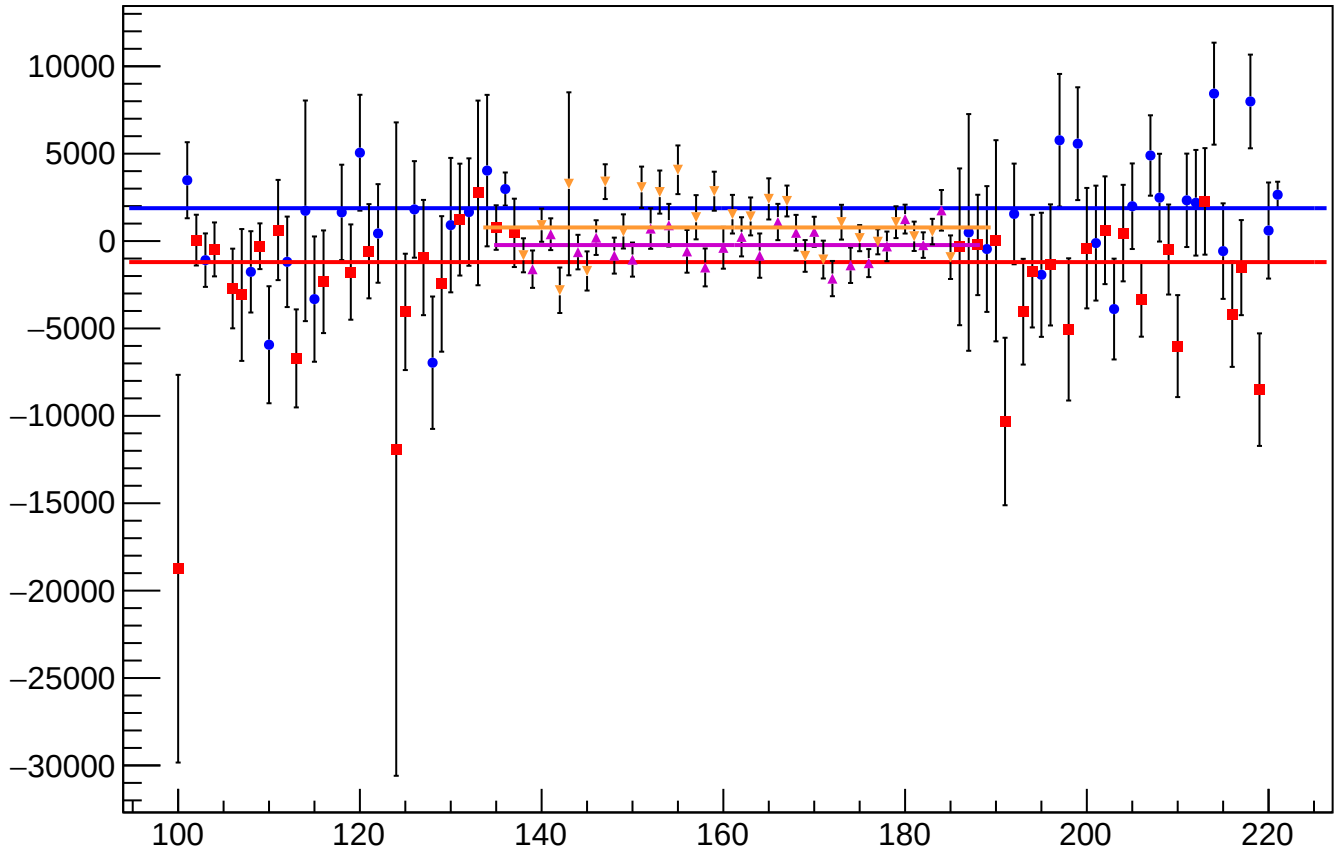
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1711.331+/-0.187 χ^2/NDF: 1079283.8/70

In: 1720.173+/-0.194 χ^2/NDF:588147.1/56

Out: 1710.320+/-0.191 χ^2/NDF:760626.1/61

All: 1715.177+/-0.136 χ^2/NDF: 1350086.1/11



Right In: 1881.087+/-382.970 χ^2/NDF: 46.5/33

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -1203.023+/-426.358 χ^2/NDF: 32.2/36

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

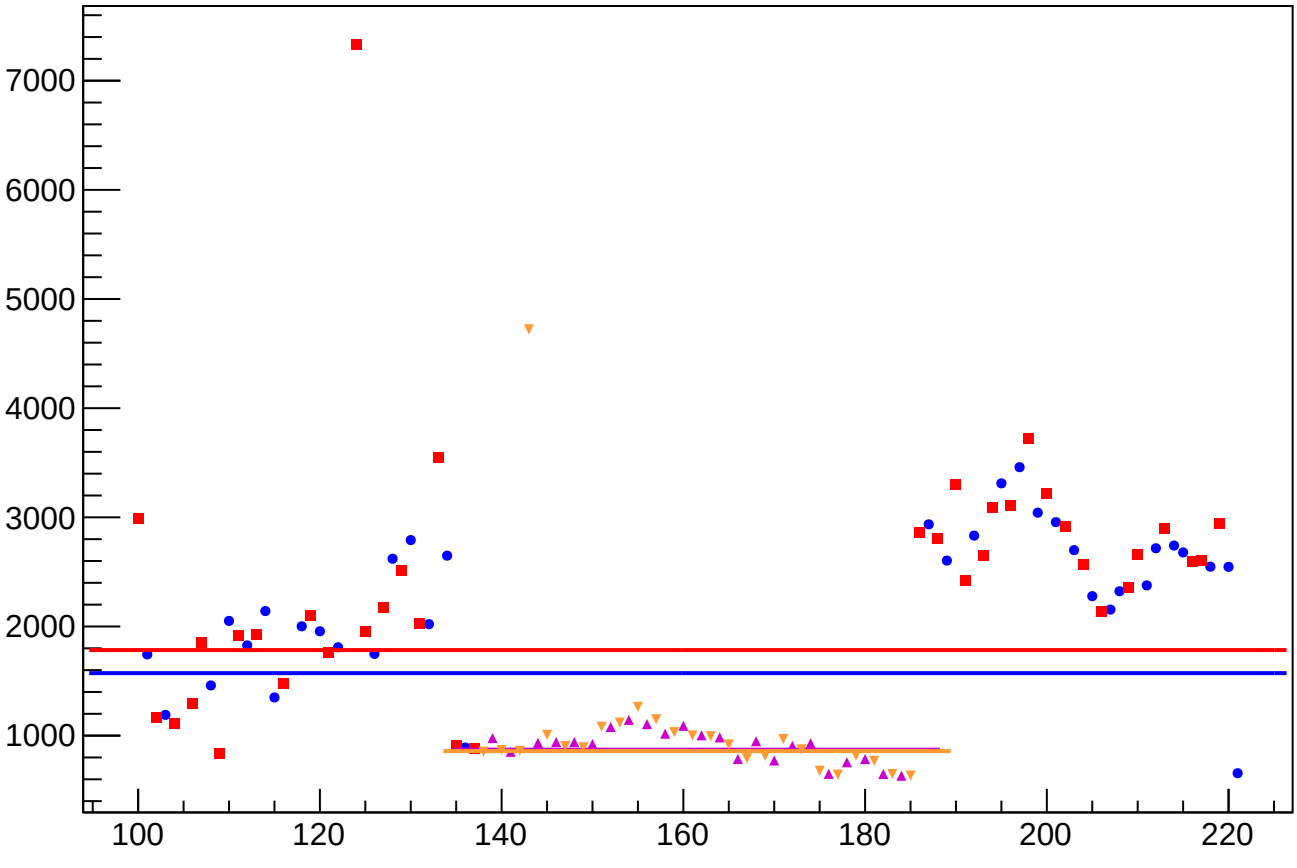
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 503.895+/-284.909 χ^2/NDF: 107.7/70

In: 247.122+/-181.899 χ^2/NDF:92.6/56

Out: 416.691+/-182.283 χ^2/NDF:104.4/61

All: 331.728+/-128.758 χ^2/NDF: 197.5/118



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: 1783.920+/-0.301 χ^2/NDF: 7592197.6/36

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

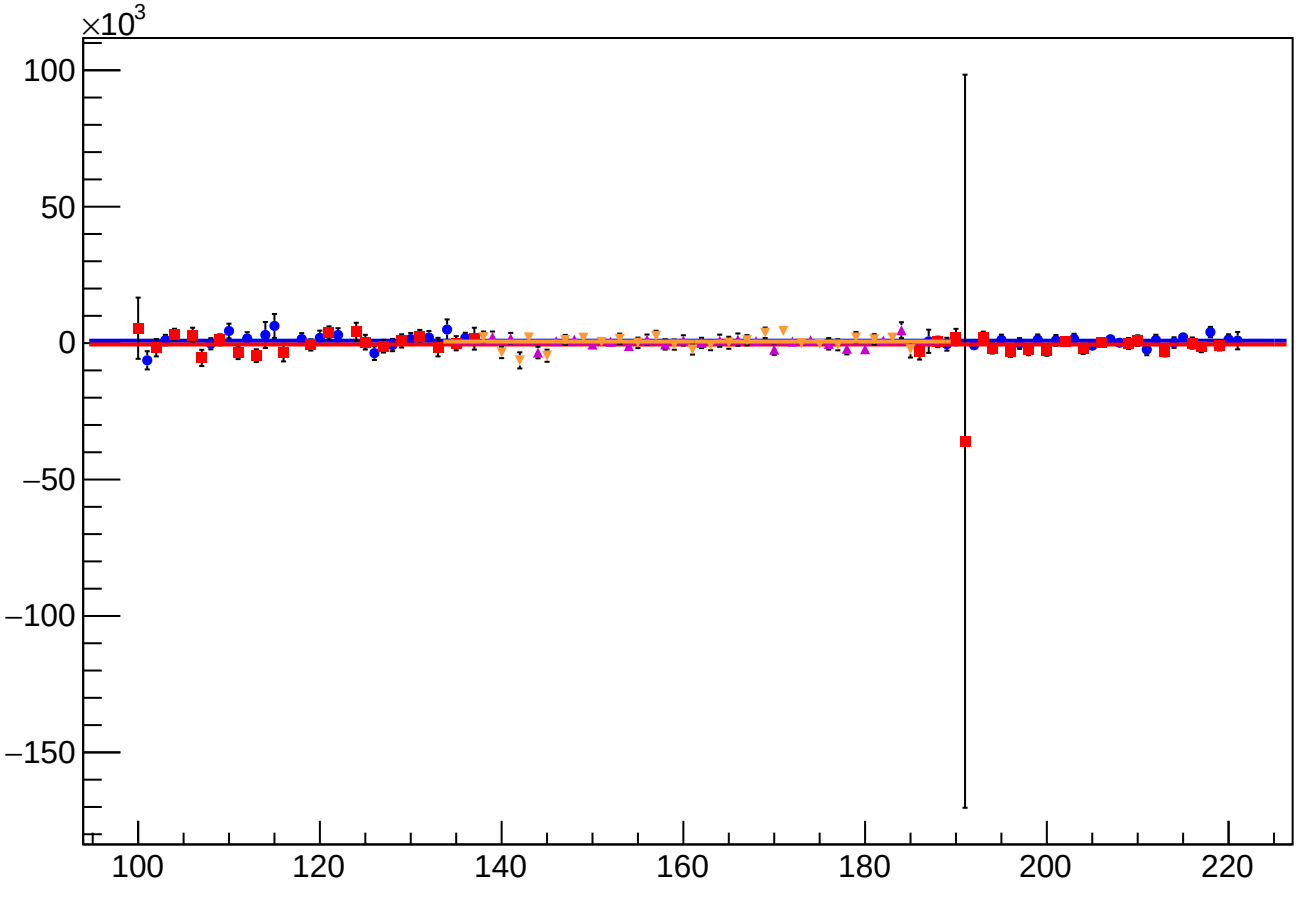
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1666.931+/-0.201 χ^2/NDF: 17541593.6/70

In: 1029.673+/-0.129 χ^2/NDF:15846107.6/56

Out: 1027.730+/-0.129 χ^2/NDF:17570500.7/61

All: 1028.703+/-0.091 χ^2/NDF: 33416722.1/1



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: -500.989+/-374.351 χ^2/NDF: 33.7/36

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

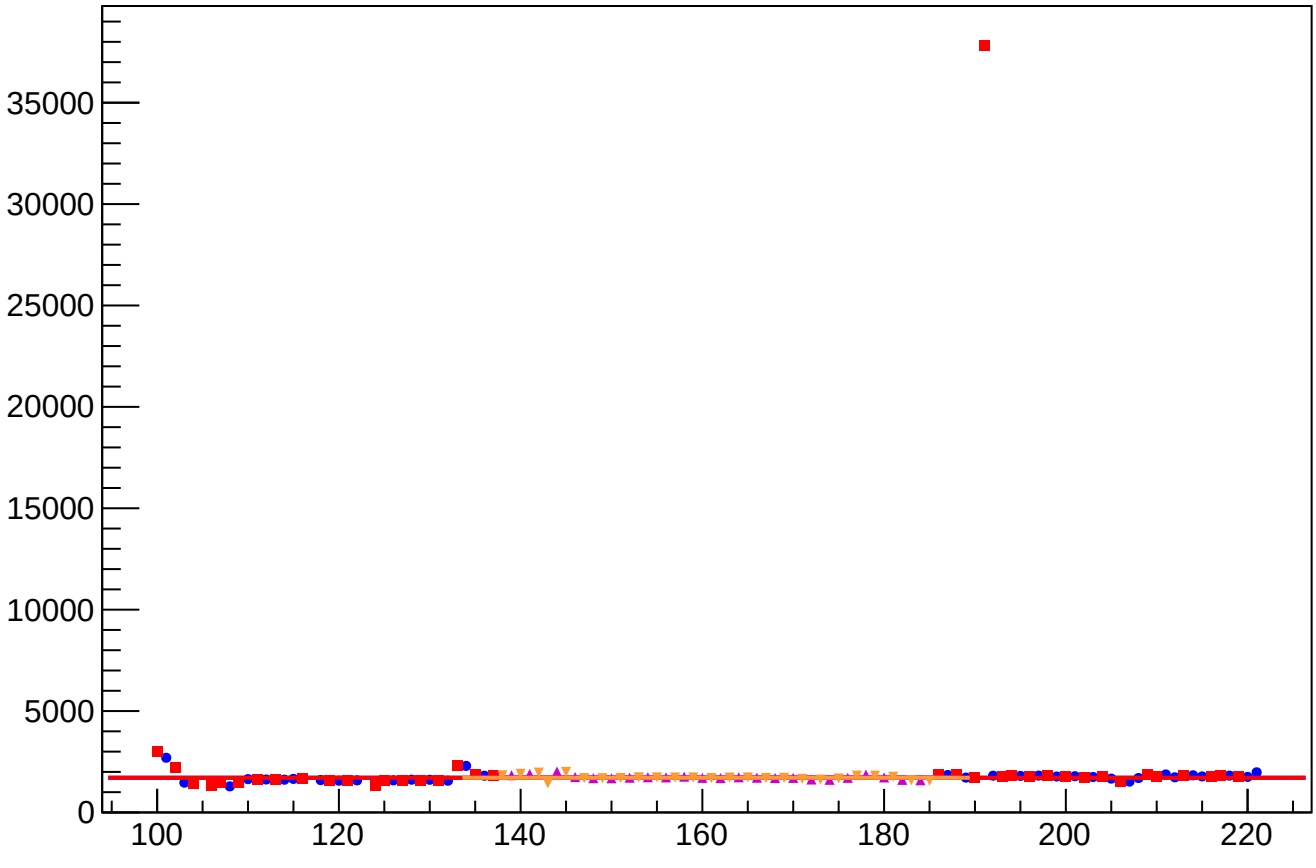
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 196.305+/-264.003 χ^2/NDF: 64.5/70

In: 564.606+/-273.835 χ^2/NDF:39.9/56

Out: 17.845+/-269.992 χ^2/NDF:69.7/61

All: 287.362+/-192.257 χ^2/NDF: 111.6/118



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: 1709.037+/-0.265 χ^2/NDF: 592570.9/36

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

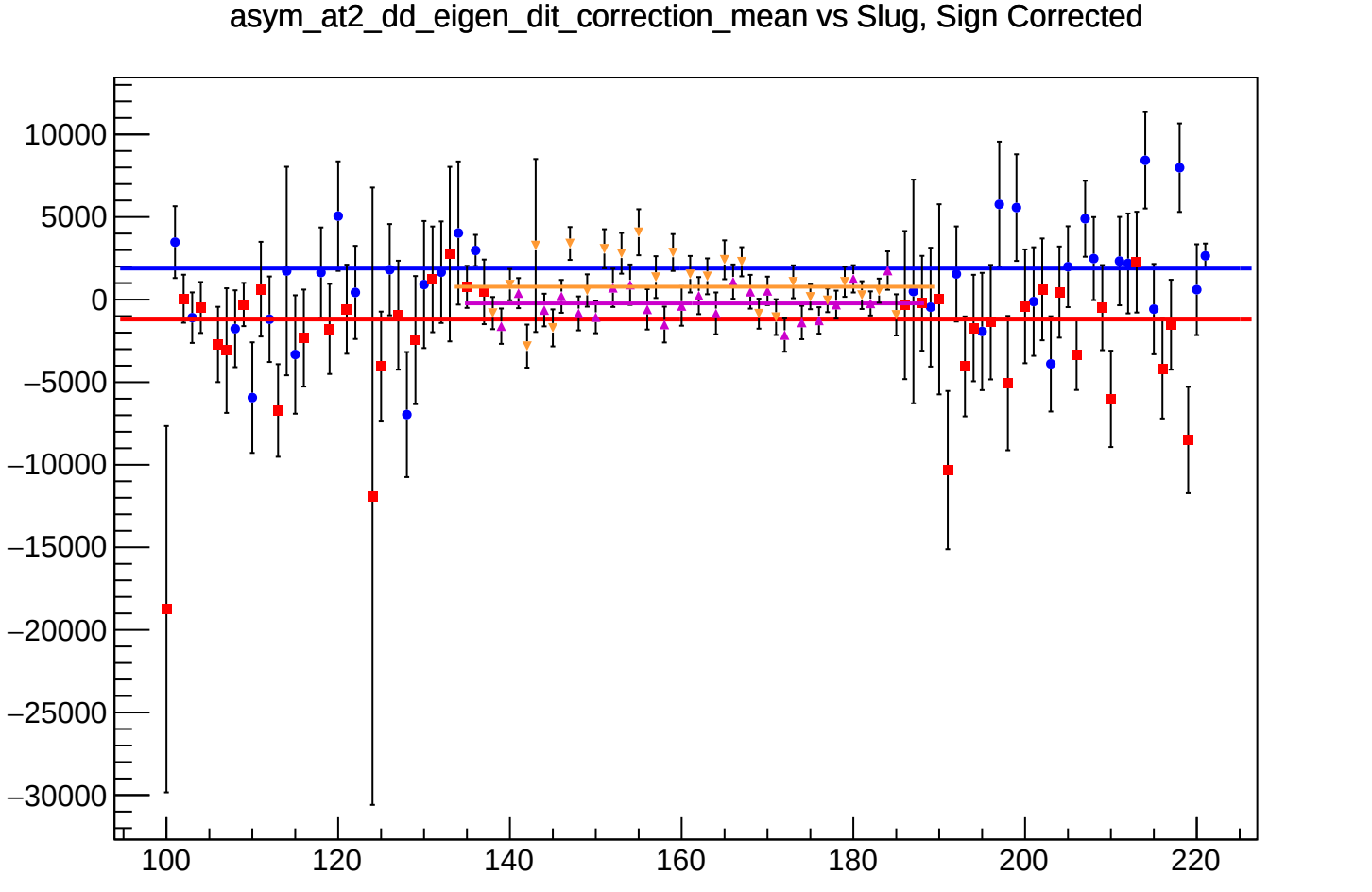
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1711.331+/-0.187 χ^2/NDF: 1079283.8/70

In: 1720.172+/-0.194 χ^2/NDF:588146.9/56

Out: 1710.320+/-0.191 χ^2/NDF:760625.1/61

All: 1715.177+/-0.136 χ^2/NDF: 1350084.8/11



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: -1203.035+/-426.360 χ^2/NDF: 32.2/36

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

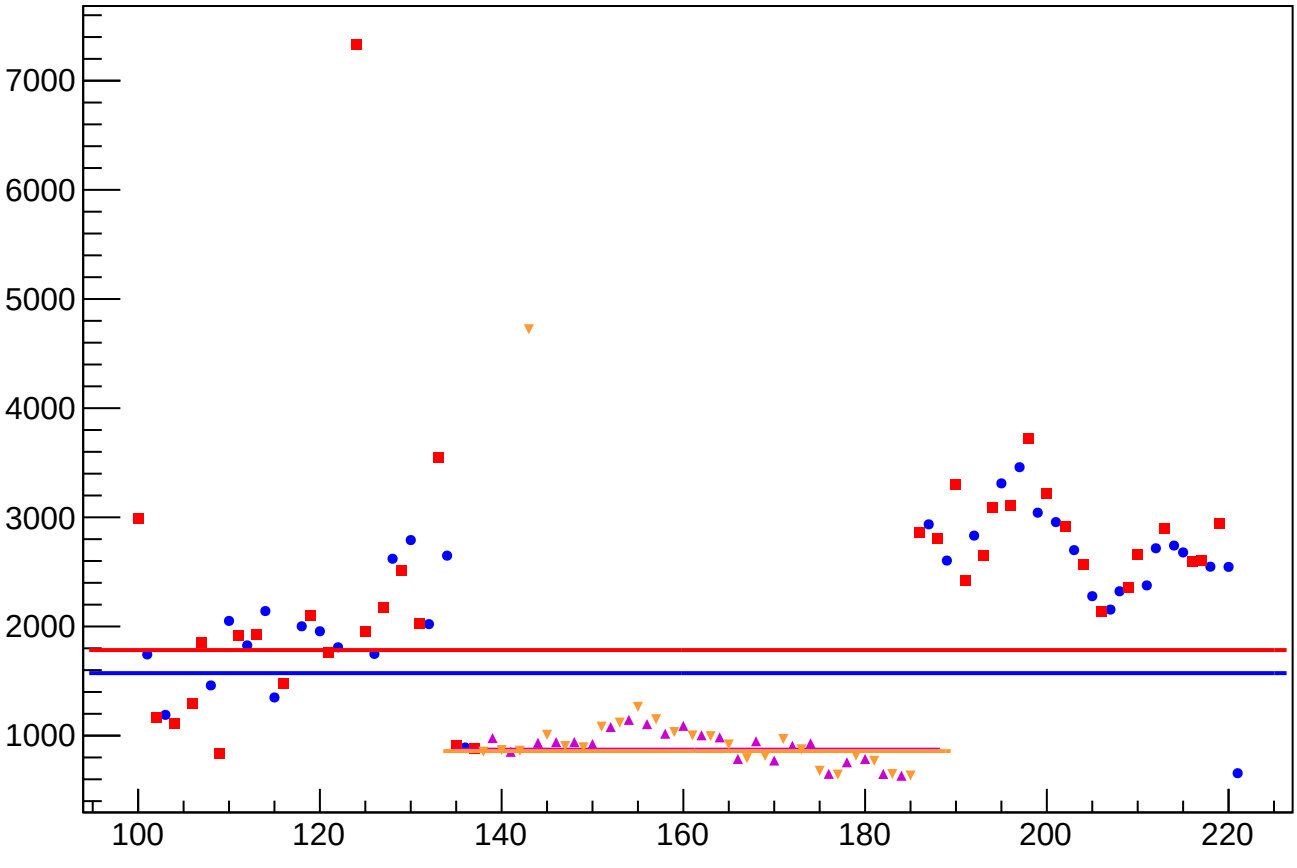
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 503.893+/-284.910 χ^2/NDF: 107.7/70

In: 247.121+/-181.899 χ^2/NDF:92.6/56

Out: 416.694+/-182.283 χ^2/NDF:104.4/61

All: 331.729+/-128.758 χ^2/NDF: 197.5/118



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: 1783.933+/-0.301 χ^2/NDF: 7592018.4/36

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

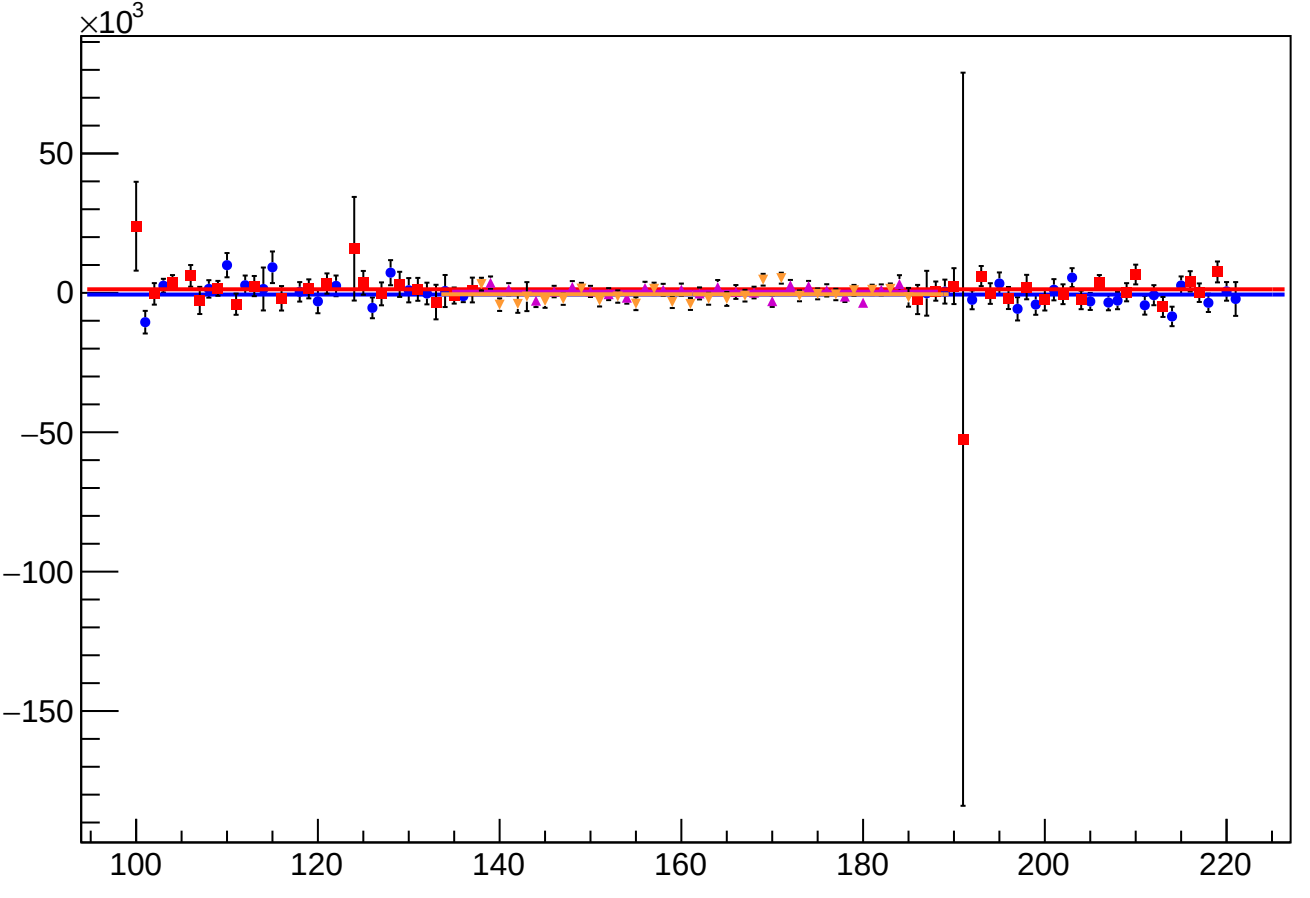
Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

Right: 1666.940+/-0.201 χ^2/NDF: 17541284.3/70

In: 1029.673+/-0.129 χ^2/NDF:15846073.3/56

Out: 1027.731+/-0.129 χ^2/NDF:17570469.2/61

All: 1028.704+/-0.091 χ^2/NDF: 33416656.2/1



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: 1285.934+/-627.049 χ^2/NDF: 26.5/36

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

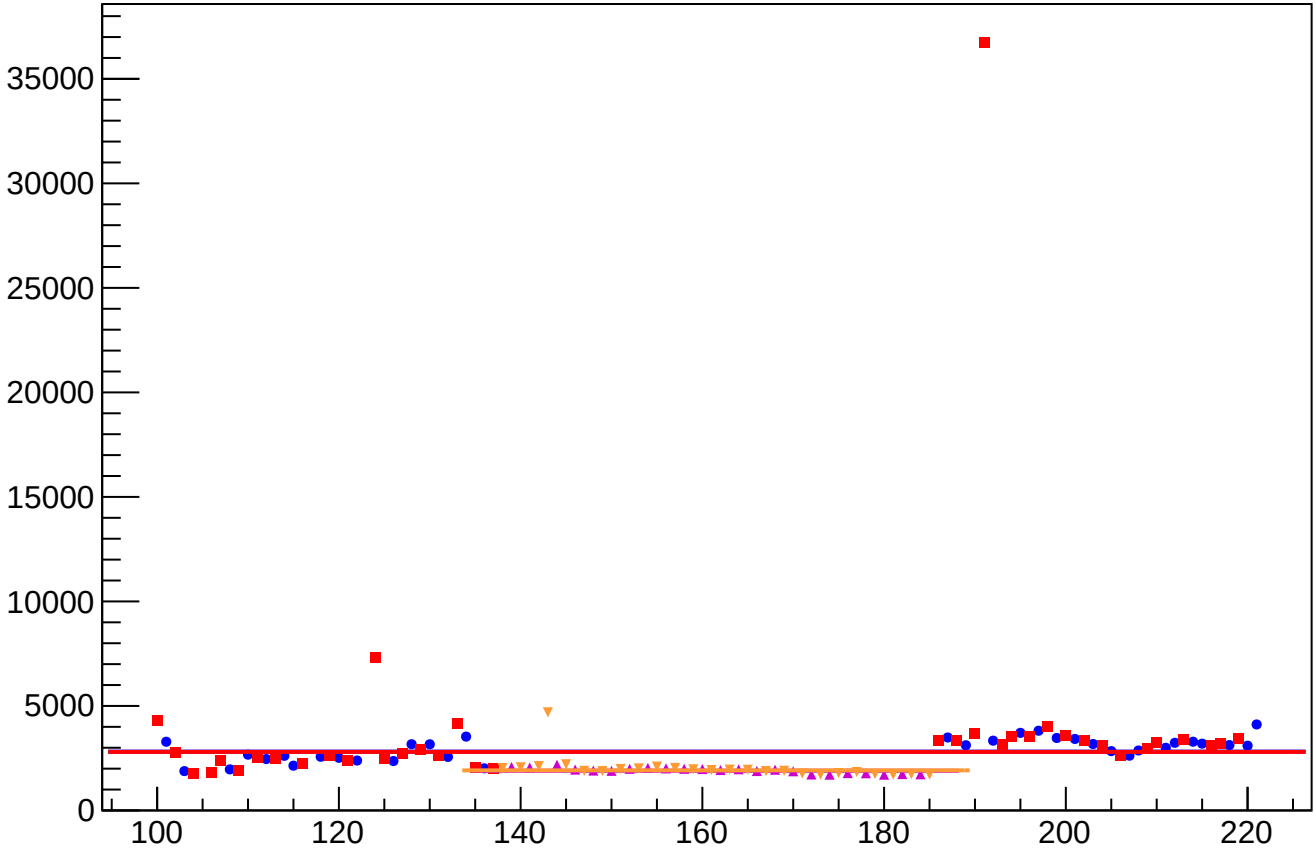
Right: 329.887+/-440.669 χ^2/NDF: 72.8/70

In: 66.450+/-361.176 χ^2/NDF:62.3/56

Out: 88.067+/-360.128 χ^2/NDF:67.9/61

All: 77.290+/-255.019 χ^2/NDF: 130.2/118

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: 2801.725+/-0.443 χ^2/NDF: 2176279.3/36

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

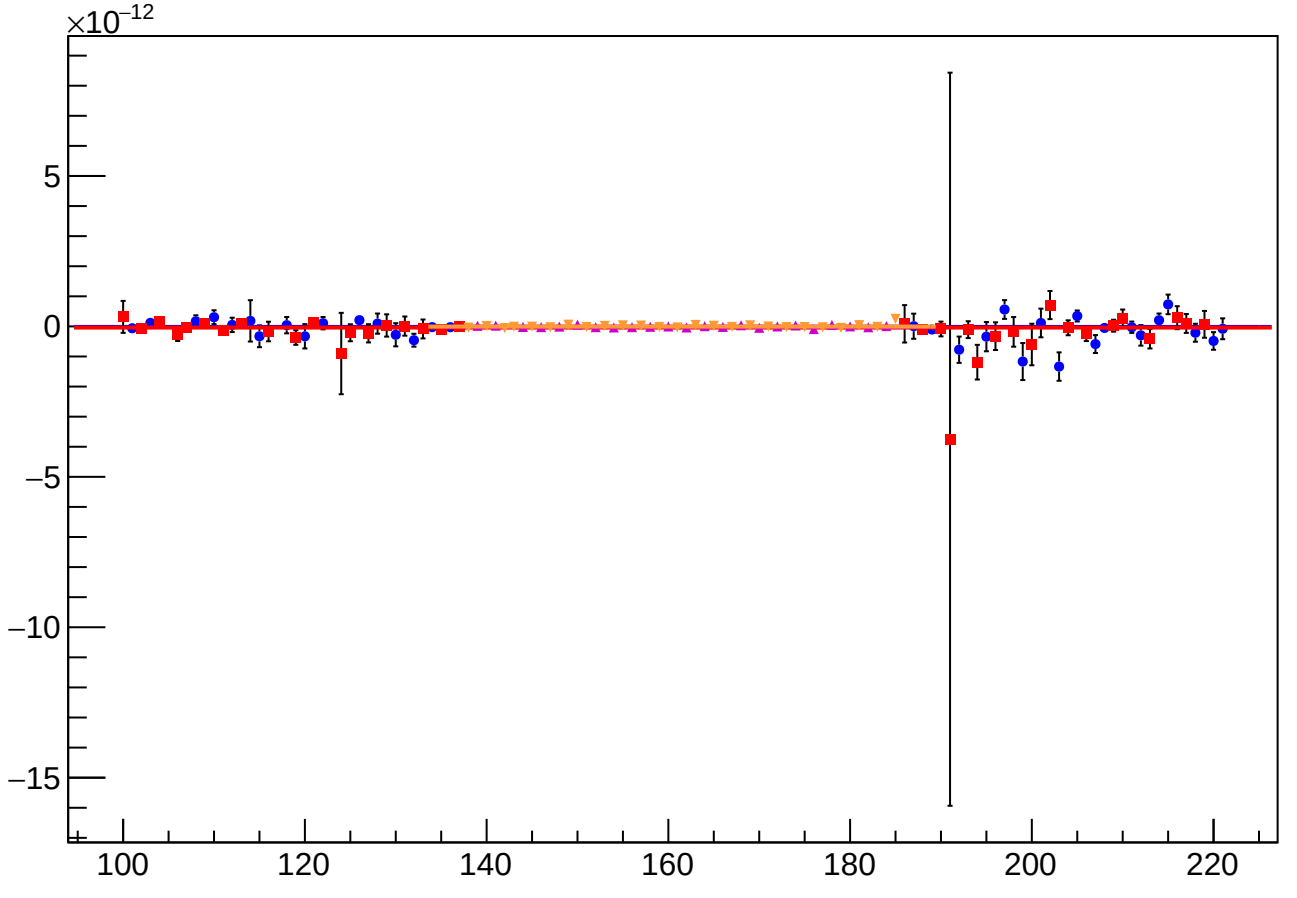
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2808.229+/-0.312 χ^2/NDF: 3766231.4/70

In: 2210.449+/-0.255 χ^2/NDF:4645383.0/56

Out: 2208.930+/-0.255 χ^2/NDF:5599927.9/61

All: 2209.687+/-0.180 χ^2/NDF: 10245328.6/



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: 27.4/36

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

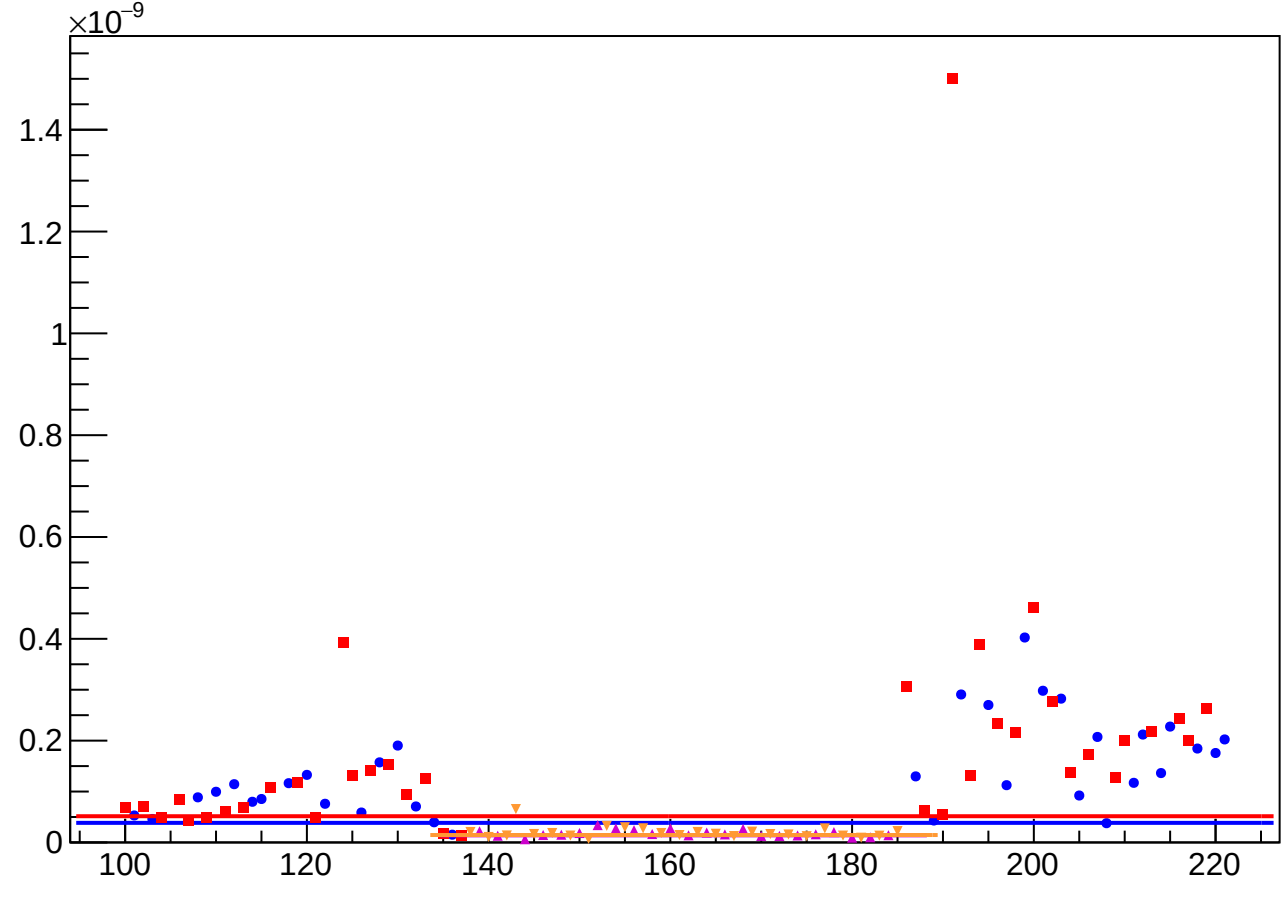
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 78.9/70

In: -0.000+/-0.000 χ^2/NDF:76.4/56

Out: -0.000+/-0.000 χ^2/NDF:57.5/61

All: -0.000+/-0.000 χ^2/NDF: 133.8/118



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: 9364314.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

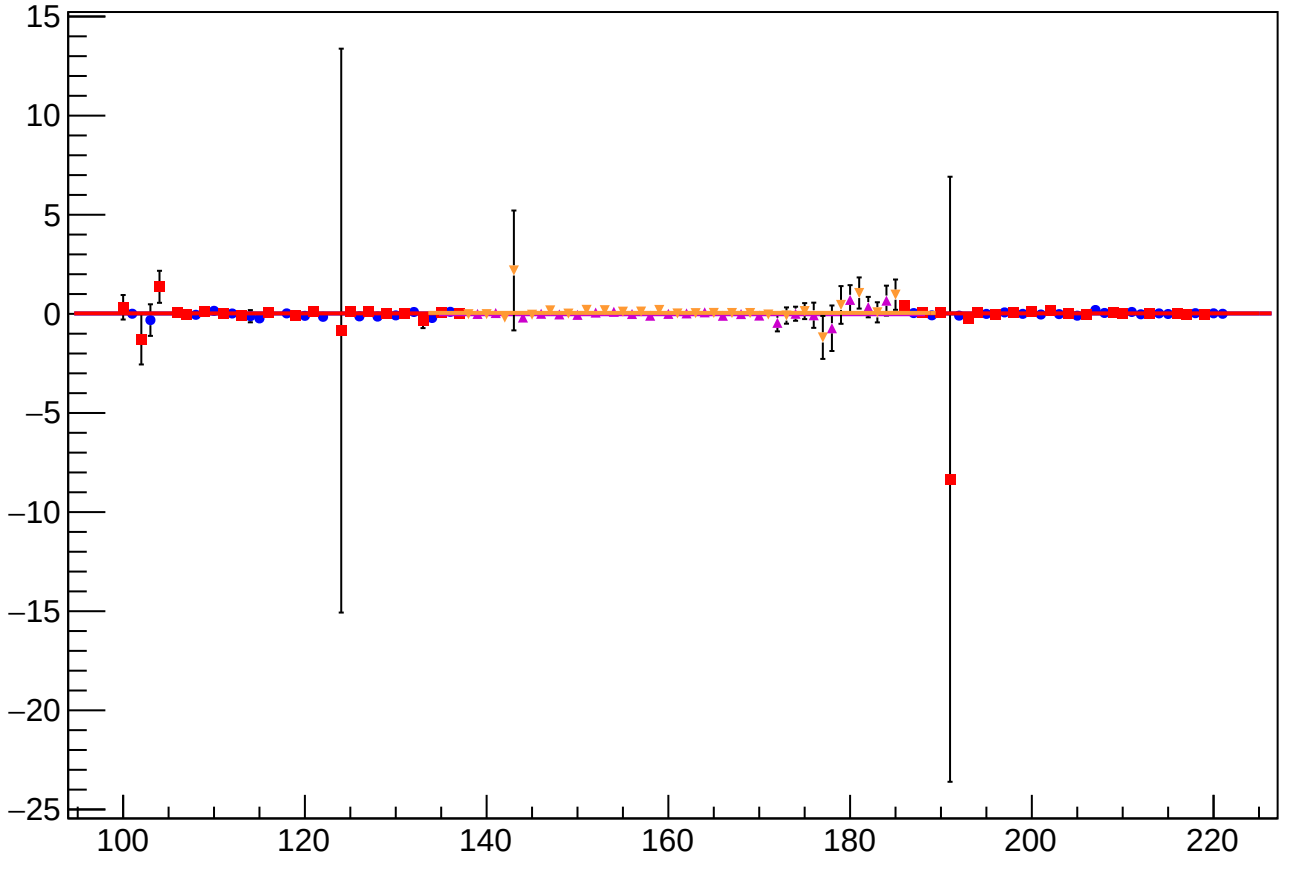
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 20160687.7/70

In: 0.000+/-0.000 χ^2/NDF:15049790.3/56

Out: 0.000+/-0.000 χ^2/NDF:15108144.2/61

All: 0.000+/-0.000 χ^2/NDF: 30169340.2/118



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: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

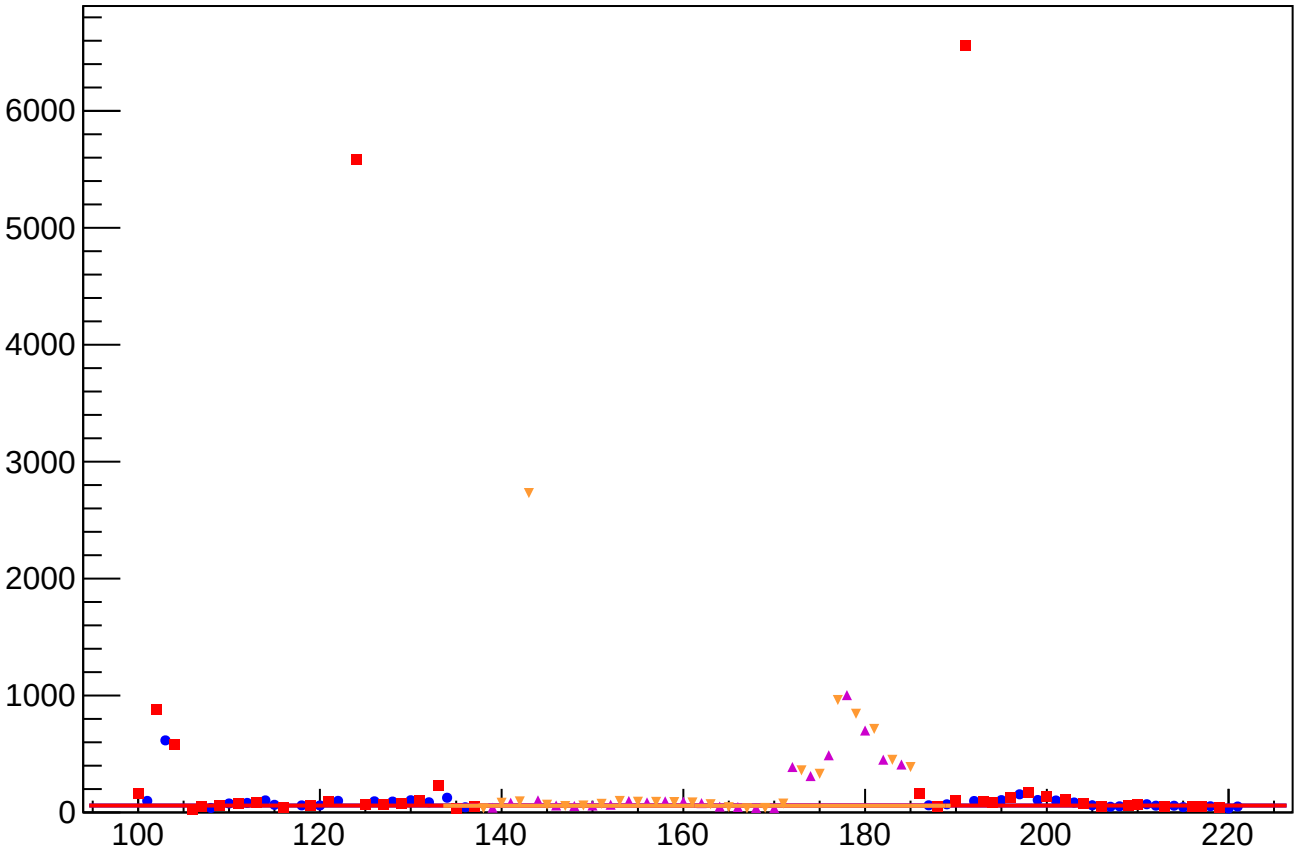
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.010 χ^2/NDF: 59.4/70

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.6/118



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: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

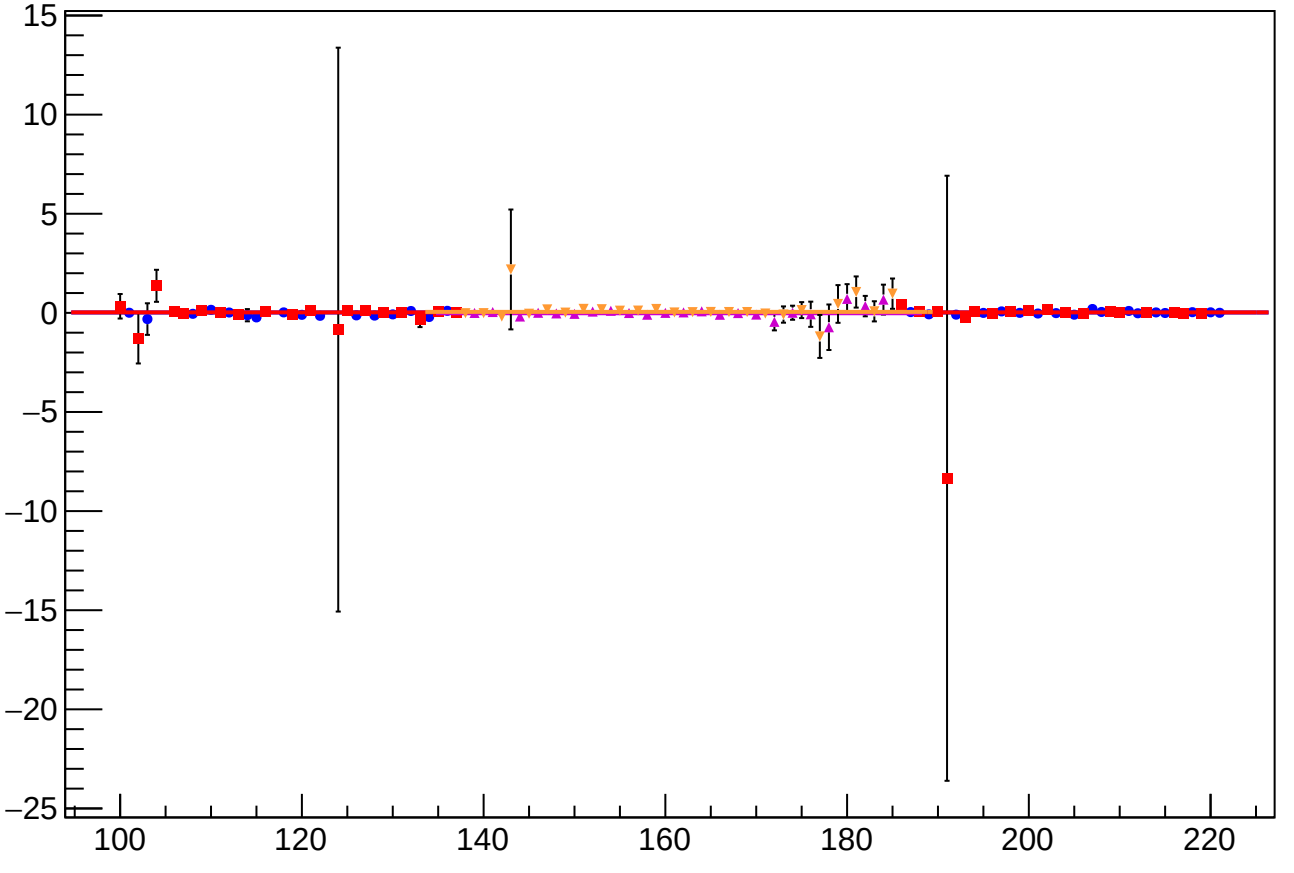
Right: 59.174+/-0.007 χ^2/NDF: 12979384.1/70

In: 59.004+/-0.008 χ^2/NDF:15678814.6/56

Out: 58.255+/-0.008 χ^2/NDF:19884153.2/61

All: 58.635+/-0.006 χ^2/NDF: 35567460.0/118

asym_at2_dd_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: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

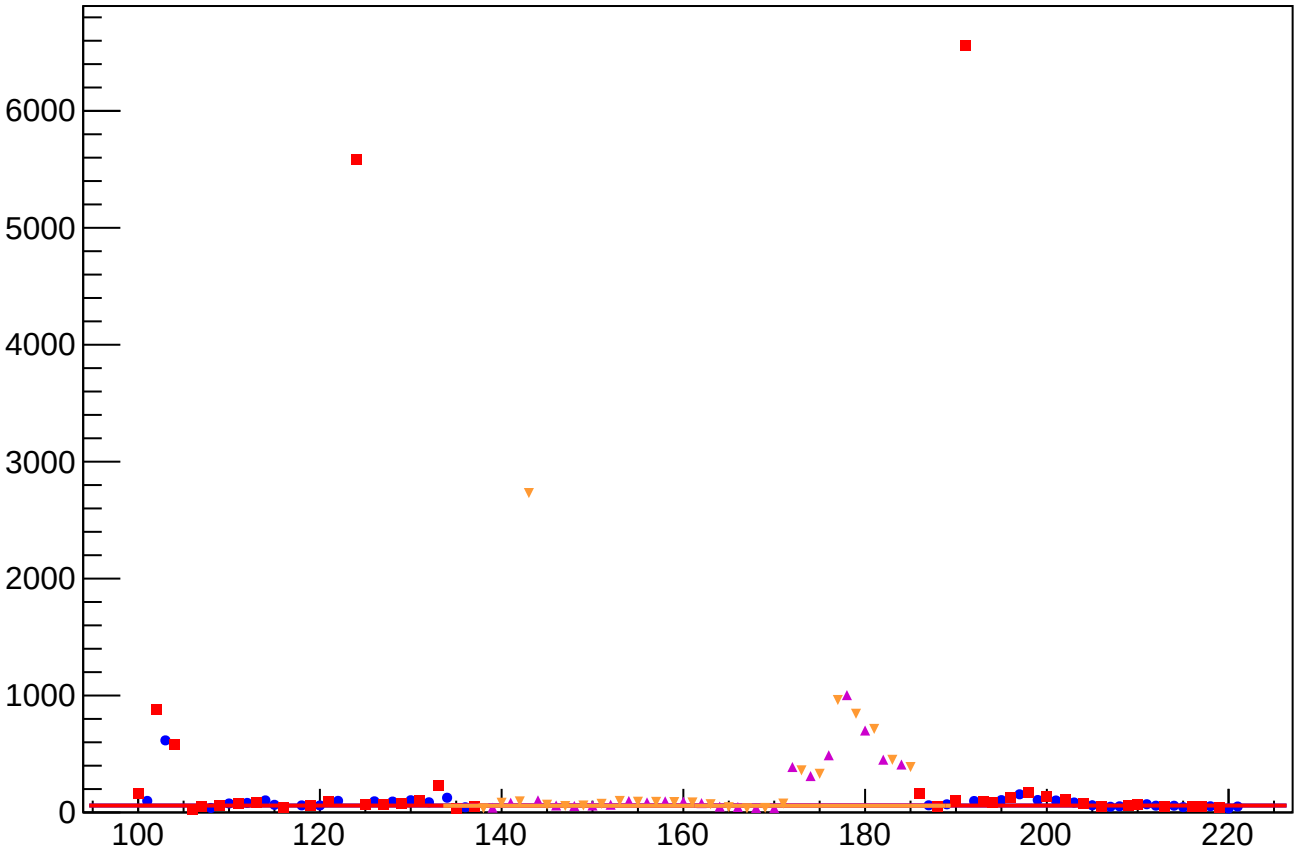
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.010 χ^2/NDF: 59.4/70

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.6/118



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: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

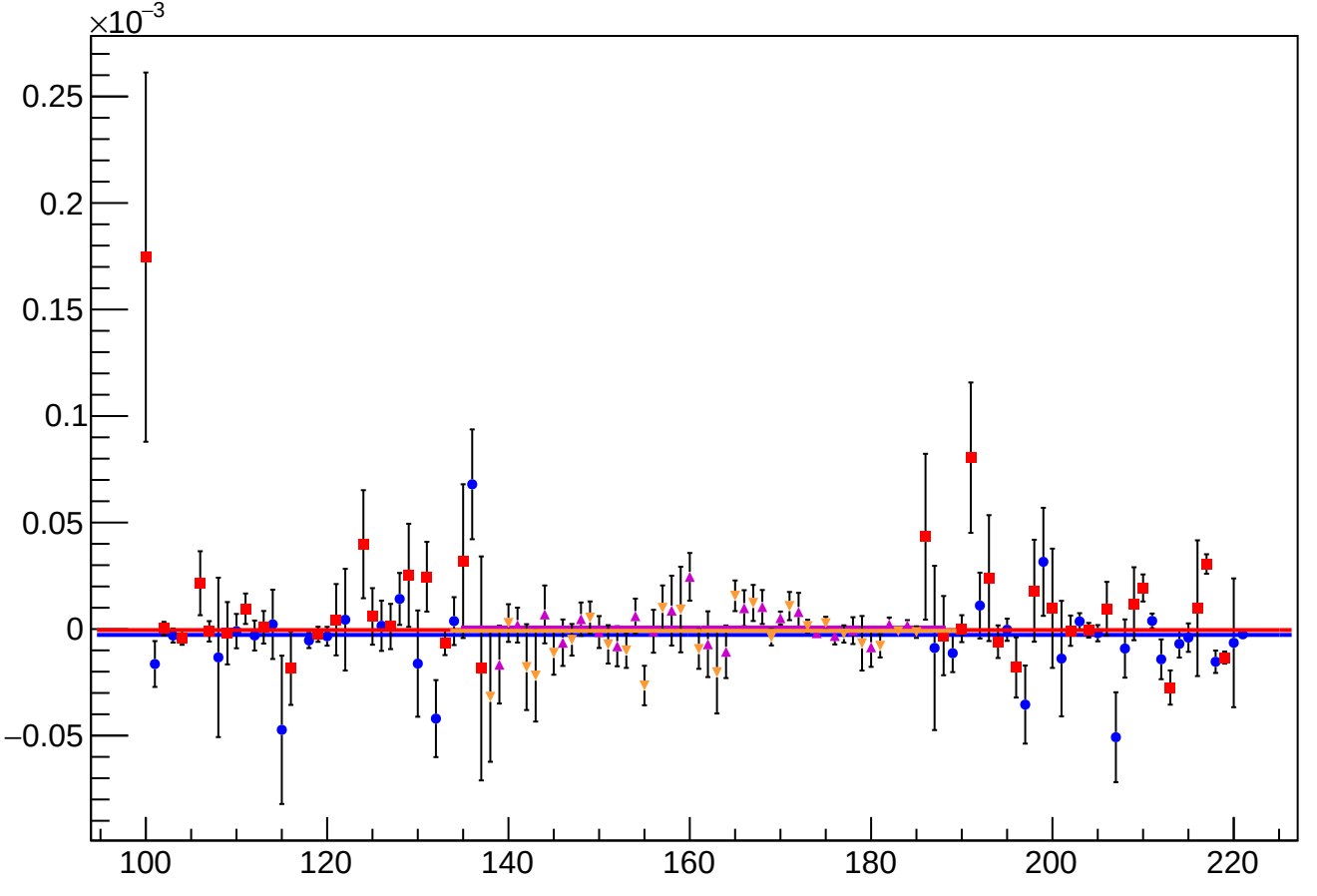
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 59.174+/-0.007 χ^2/NDF: 12979384.1/70

In: 59.004+/-0.008 χ^2/NDF:15678814.6/56

Out: 58.255+/-0.008 χ^2/NDF:19884153.2/61

All: 58.635+/-0.006 χ^2/NDF: 35567460.0/118



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: 118.0/36

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

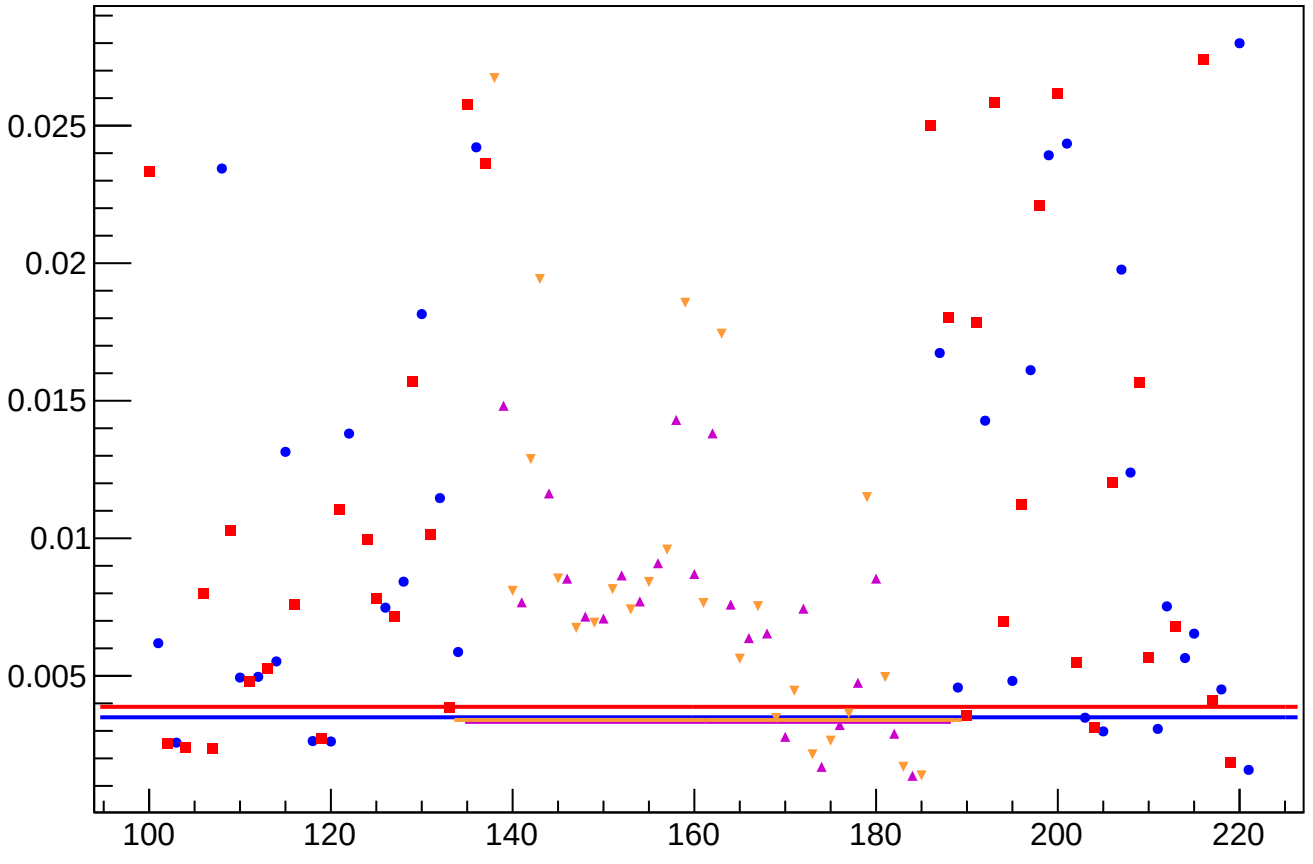
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 165.9/70

In: -0.000+/-0.000 χ^2/NDF:70.0/56

Out: -0.000+/-0.000 χ^2/NDF:150.8/61

All: -0.000+/-0.000 χ^2/NDF: 221.0/118



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: 0.004+/-0.000 χ^2/NDF: 15597400.7/36

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

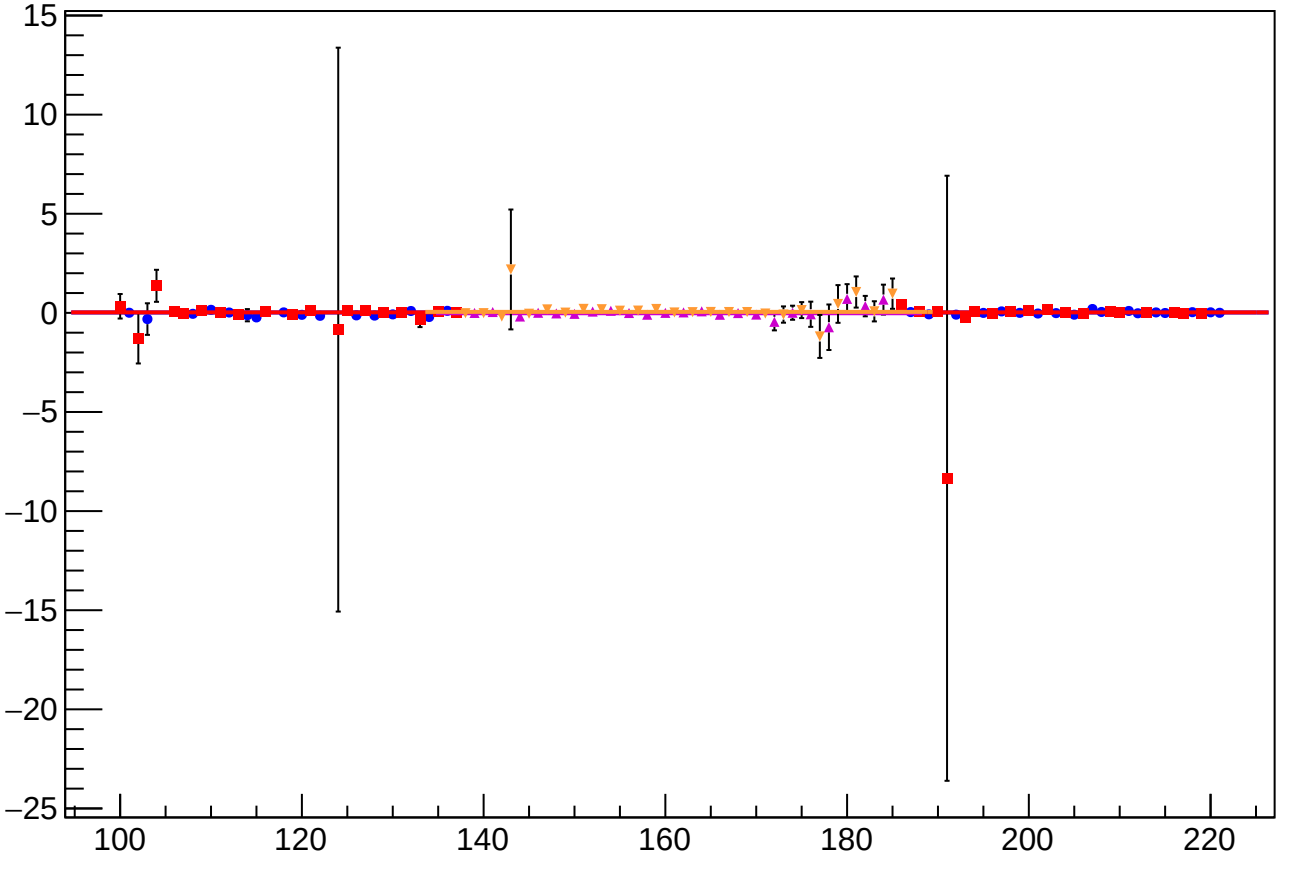
Right: 0.004+/-0.000 χ^2/NDF: 31865249.4/70

In: 0.003+/-0.000 χ^2/NDF:28733538.8/56

Out: 0.004+/-0.000 χ^2/NDF:30043803.1/61

All: 0.004+/-0.000 χ^2/NDF: 58851597.2/118

asym_at2_dd_eigen_dit_vs_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: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

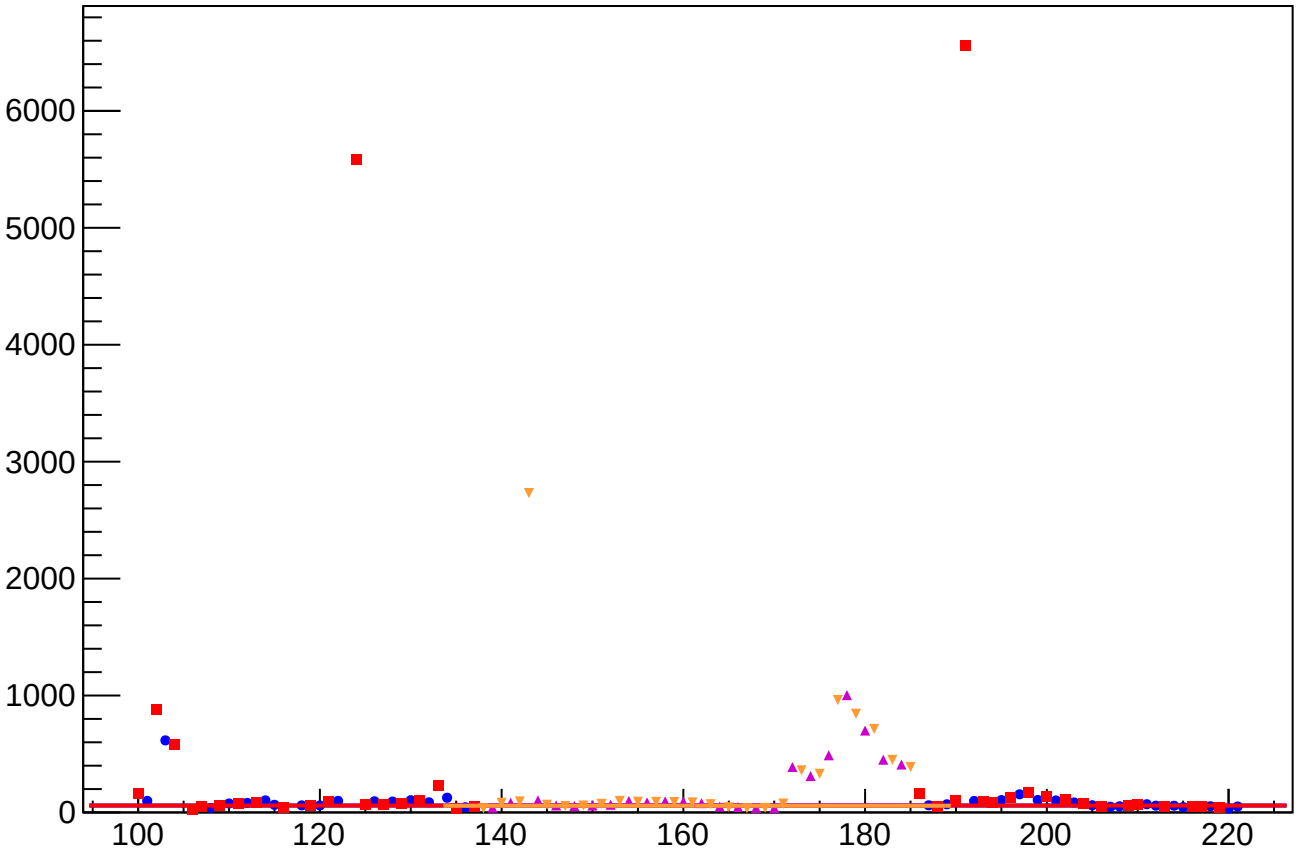
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.010 χ^2/NDF: 59.4/70

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.6/118



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: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

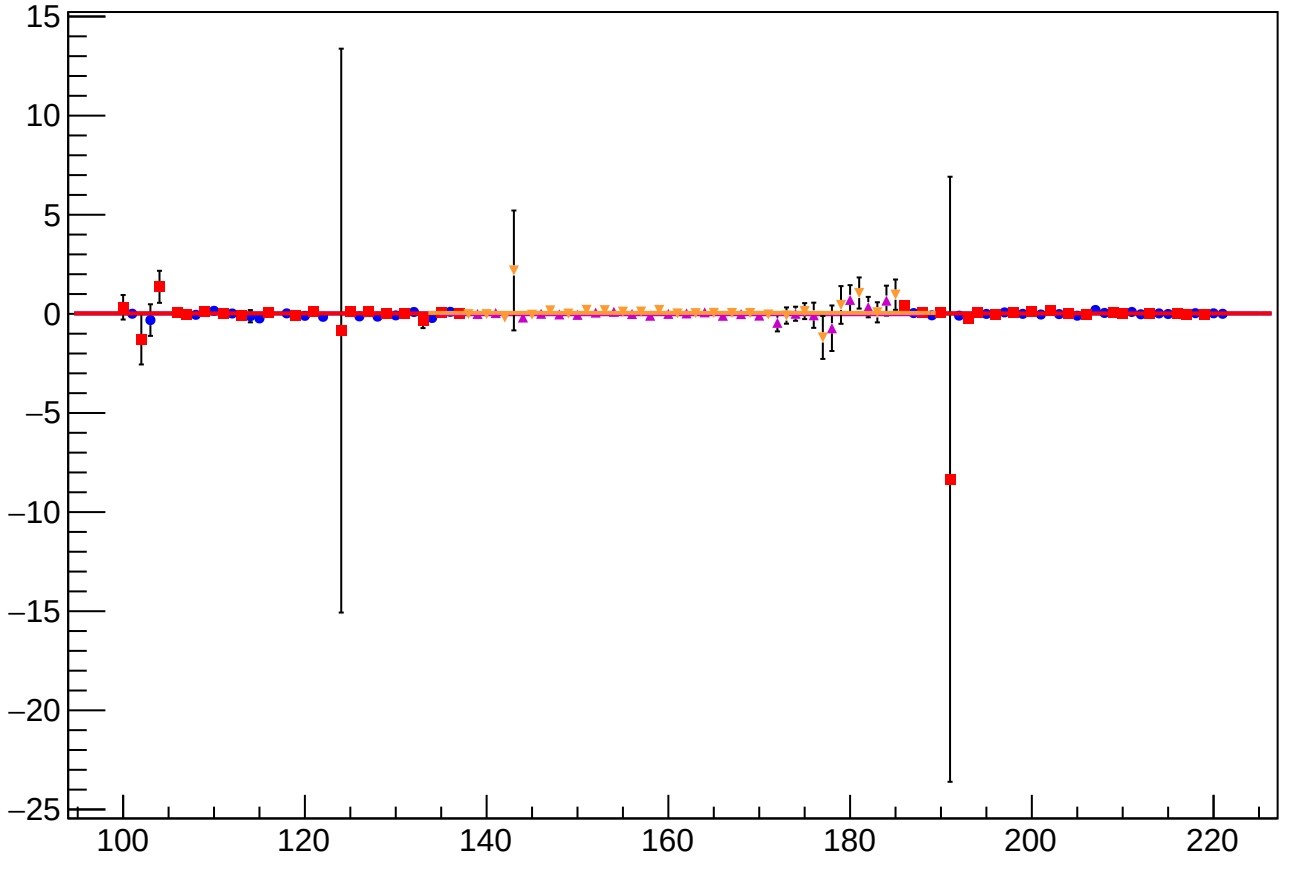
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 59.179+/-0.007 χ^2/NDF: 12975584.6/70

In: 59.012+/-0.008 χ^2/NDF:15673688.0/56

Out: 58.253+/-0.008 χ^2/NDF:19884724.9/61

All: 58.639+/-0.006 χ^2/NDF: 35563023.1/118



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: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

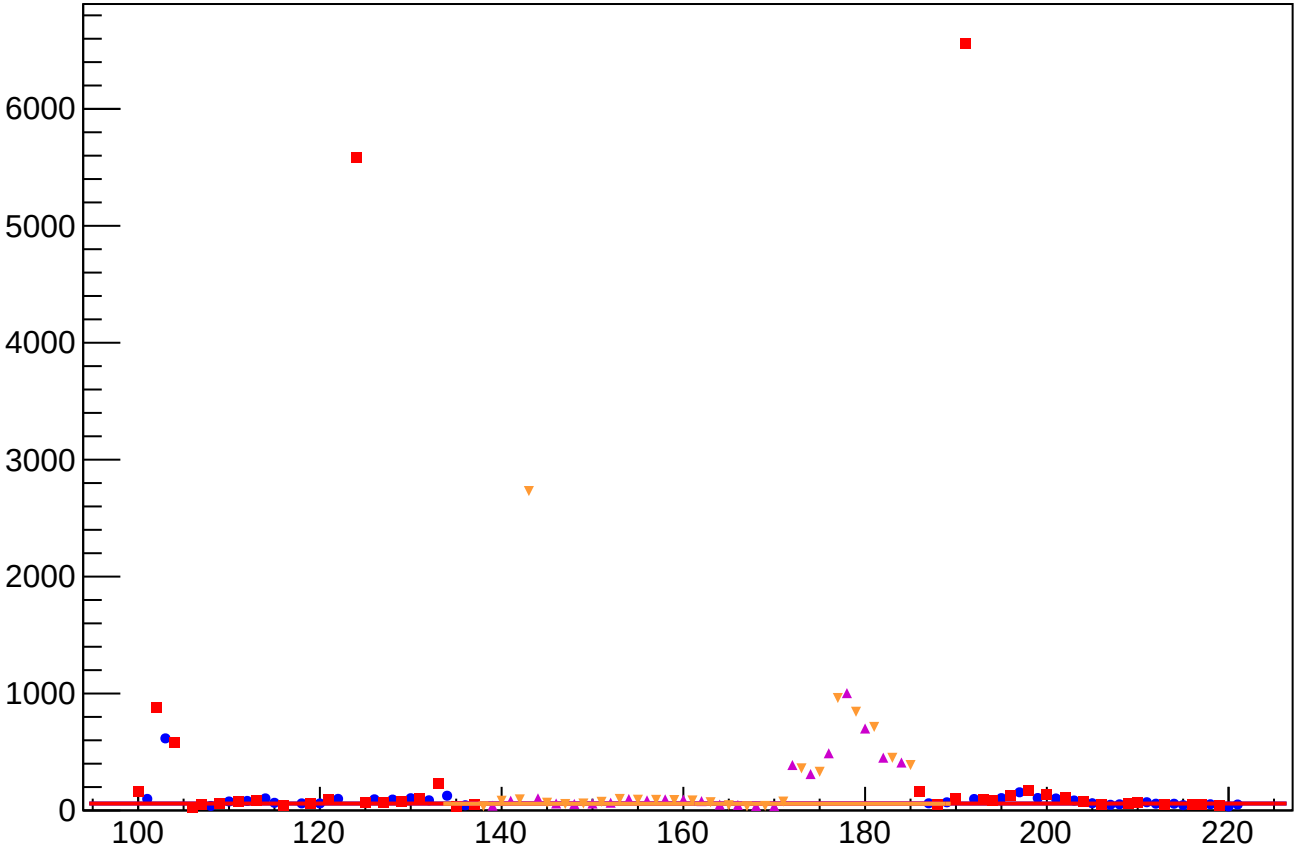
Right: 0.022+/-0.010 χ^2/NDF: 59.4/70

In: 0.003+/-0.011 χ^2/NDF:49.0/56

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.6/118

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: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

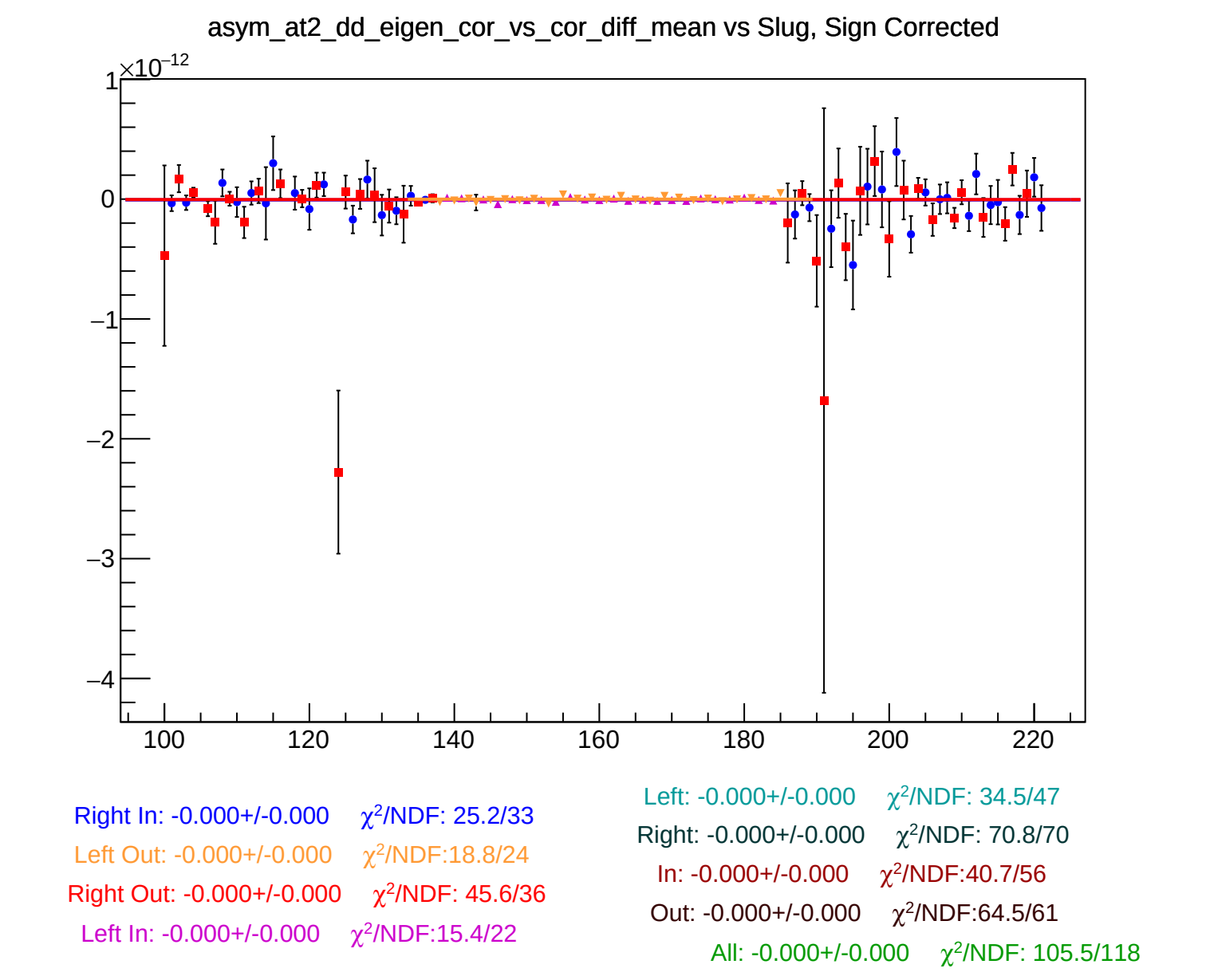
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

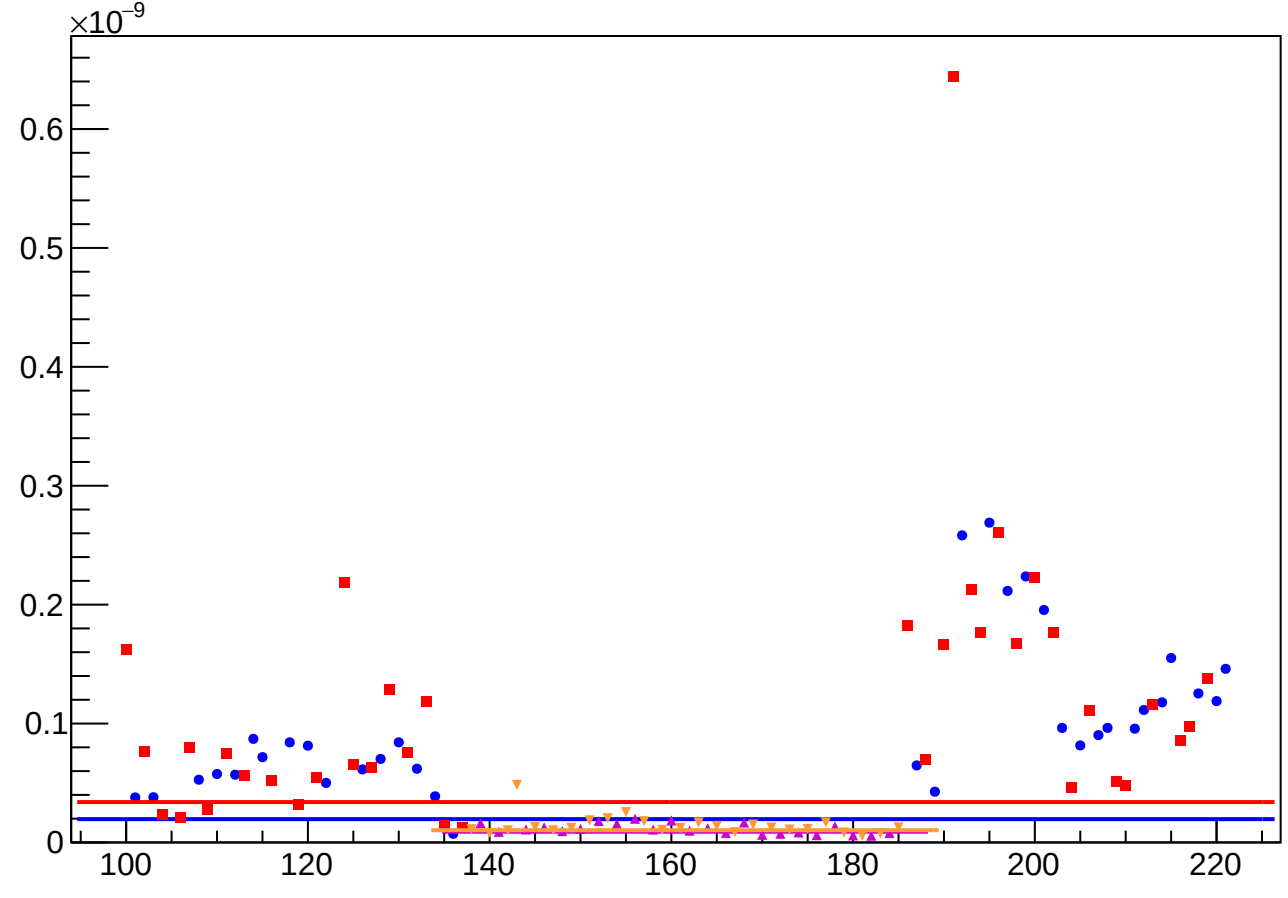
Right: 59.179+/-0.007 χ^2/NDF: 12975584.6/70

In: 59.012+/-0.008 χ^2/NDF:15673688.0/56

Out: 58.253+/-0.008 χ^2/NDF:19884724.9/61

All: 58.639+/-0.006 χ^2/NDF: 35563023.1/118


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: 45.6/36
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: 70.8/70
In: -0.000+/-0.000 χ²/NDF:40.7/56
Out: -0.000+/-0.000 χ²/NDF:64.5/61
All: -0.000+/-0.000 χ²/NDF: 105.5/118



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: 11774920.1/36

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

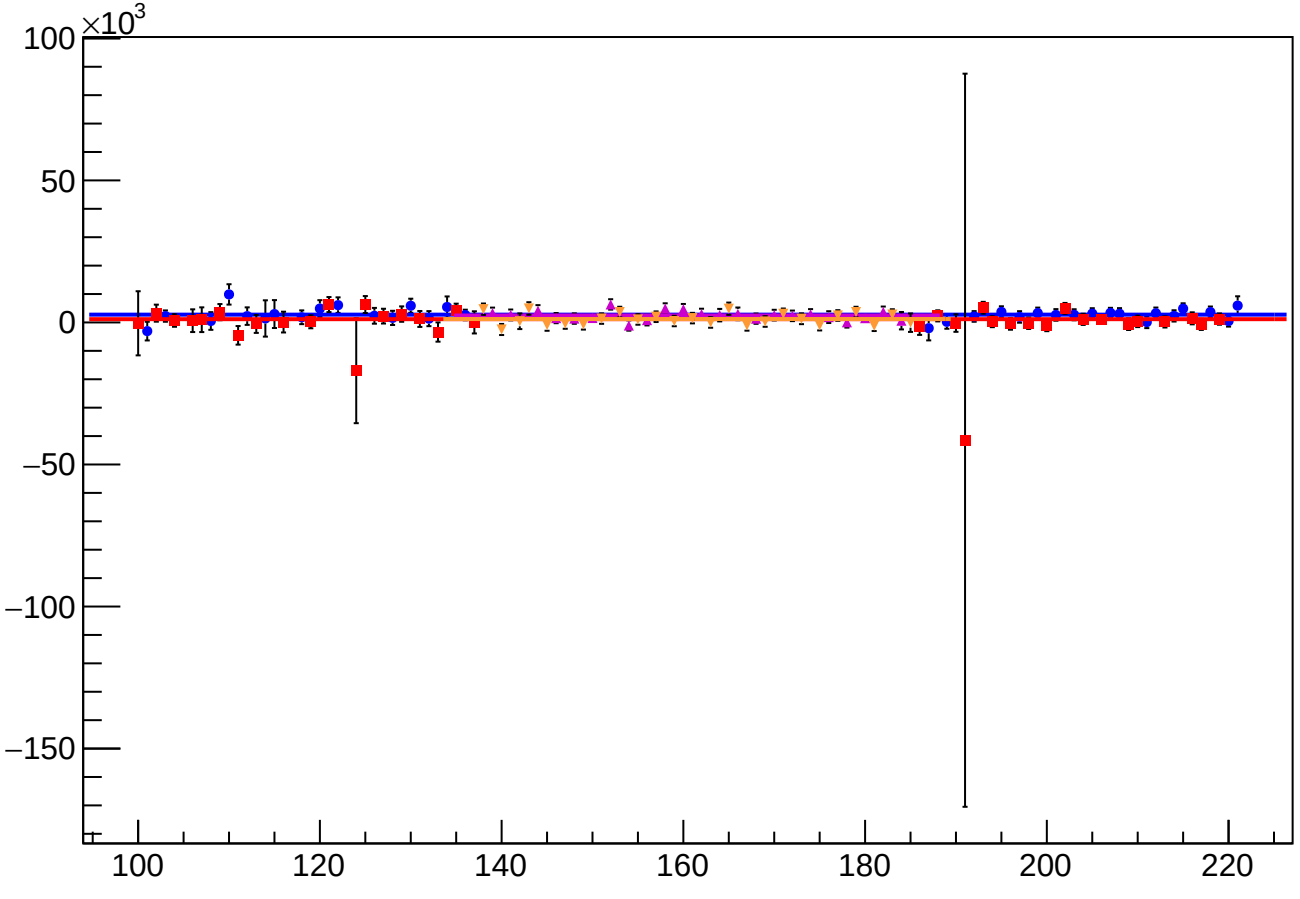
Right: 0.000+/-0.000 χ^2/NDF: 31550621.8/70

In: 0.000+/-0.000 χ^2/NDF:23506245.5/56

Out: 0.000+/-0.000 χ^2/NDF:20969251.7/61

All: 0.000+/-0.000 χ^2/NDF: 44774907.9/118

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: 1150.591+/-405.234 χ^2/NDF: 30.1/36

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

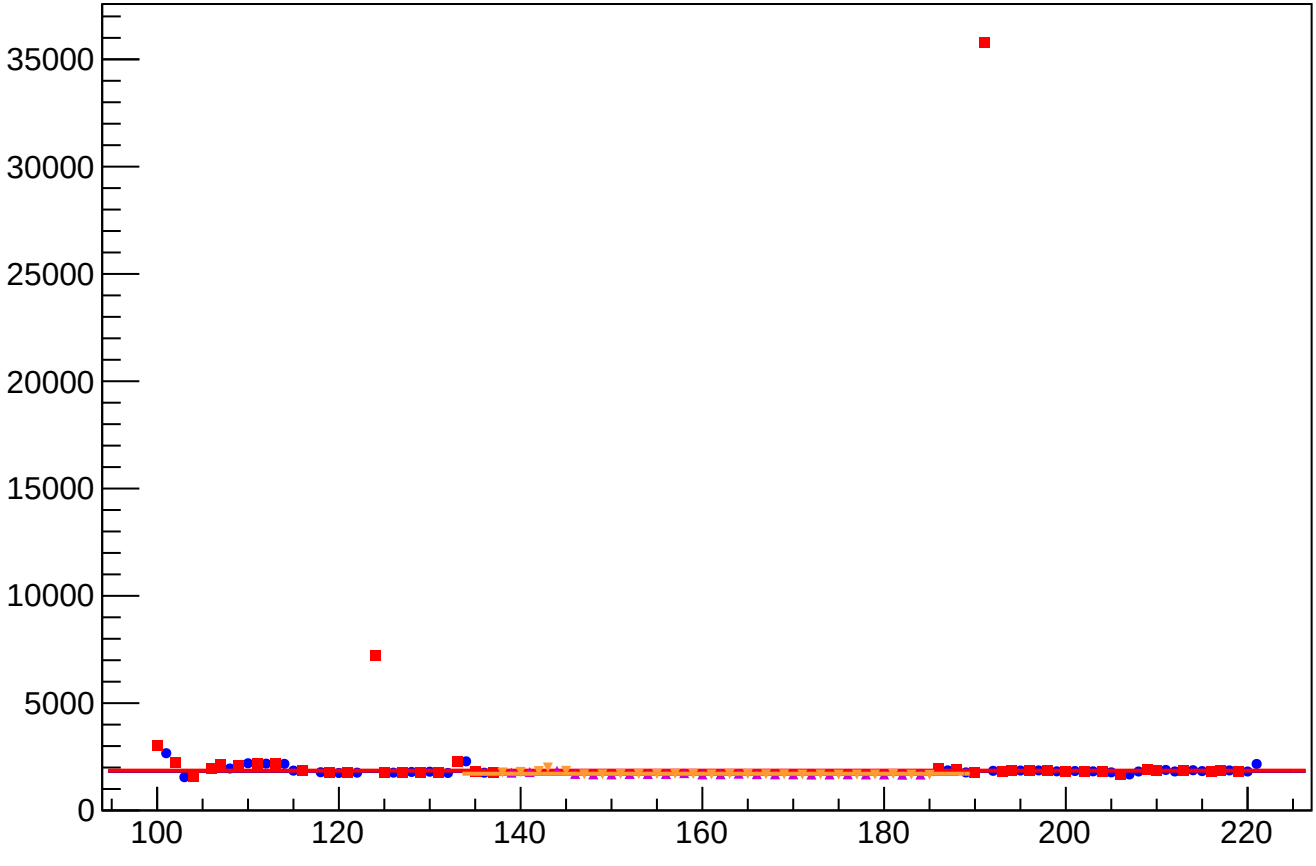
Right: 1961.630+/-283.896 χ^2/NDF: 59.0/70

In: 2591.235+/-281.363 χ^2/NDF:38.8/56

Out: 1177.546+/-280.679 χ^2/NDF:56.4/61

All: 1882.670+/-198.712 χ^2/NDF: 107.9/118

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: 1854.684+/-0.286 χ^2/NDF: 544522.5/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

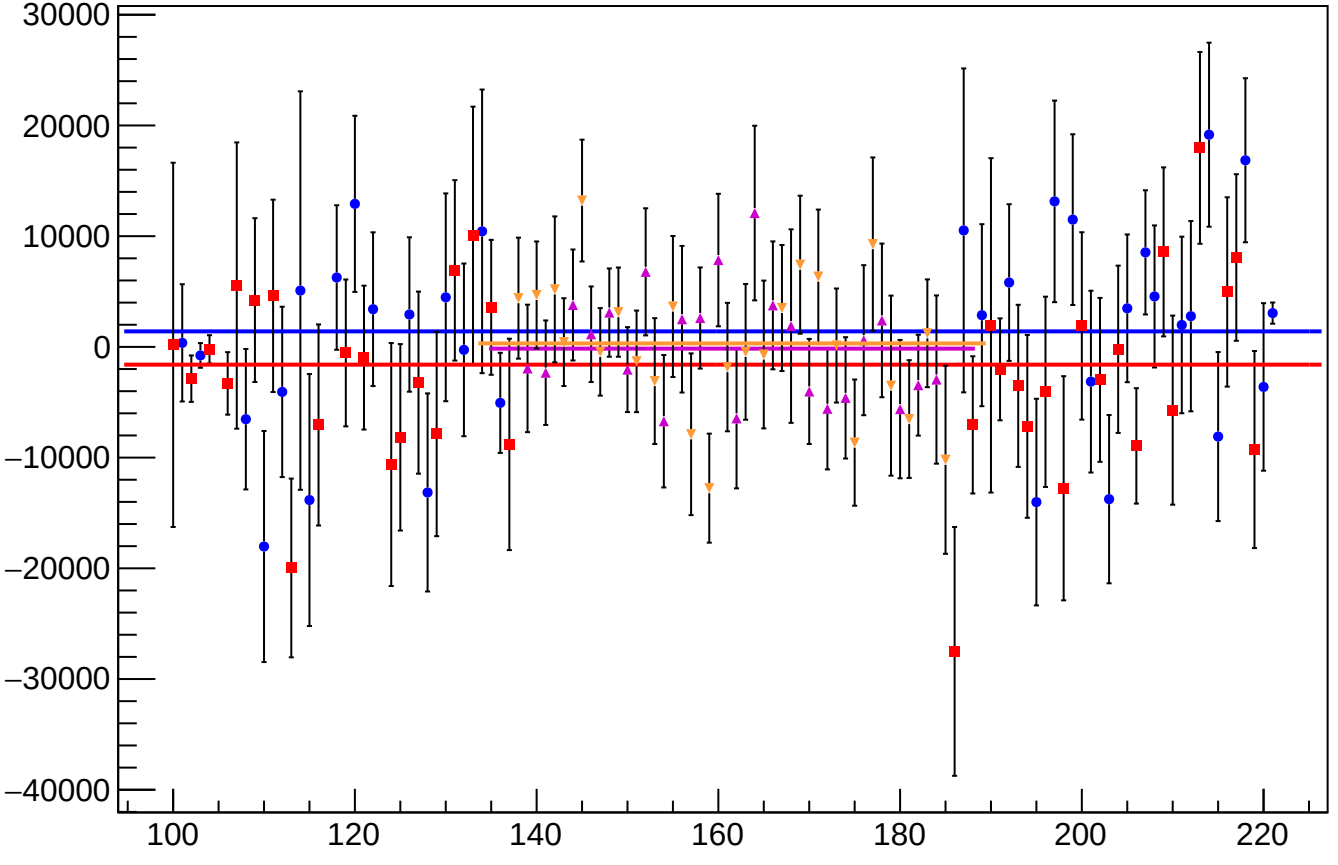
Right: 1846.530+/-0.201 χ^2/NDF: 853913.7/70

In: 1771.334+/-0.199 χ^2/NDF:444943.1/56

Out: 1780.390+/-0.198 χ^2/NDF:734097.2/61

All: 1775.875+/-0.140 χ^2/NDF: 1180079.1/11

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



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: -1604.360+/-814.088 χ^2/NDF: 34.4/36

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

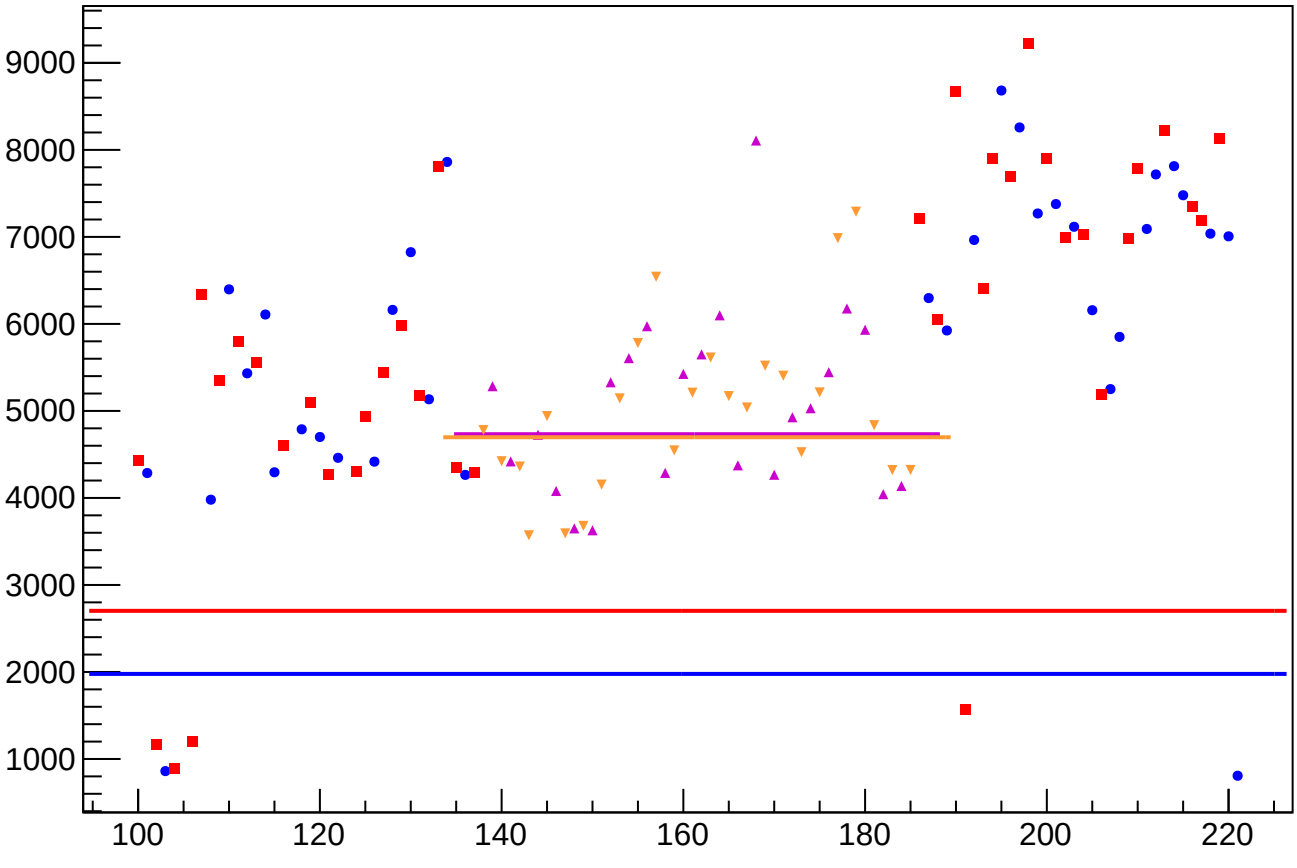
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: 258.127+/-502.084 χ^2/NDF: 89.2/70

In: 1023.871+/-555.275 χ^2/NDF:62.5/56

Out: -919.021+/-652.672 χ^2/NDF:63.4/61

All: 208.069+/-422.924 χ^2/NDF: 131.1/118



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: 2702.535+/-0.576 χ^2/NDF: 19416695.6/36

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

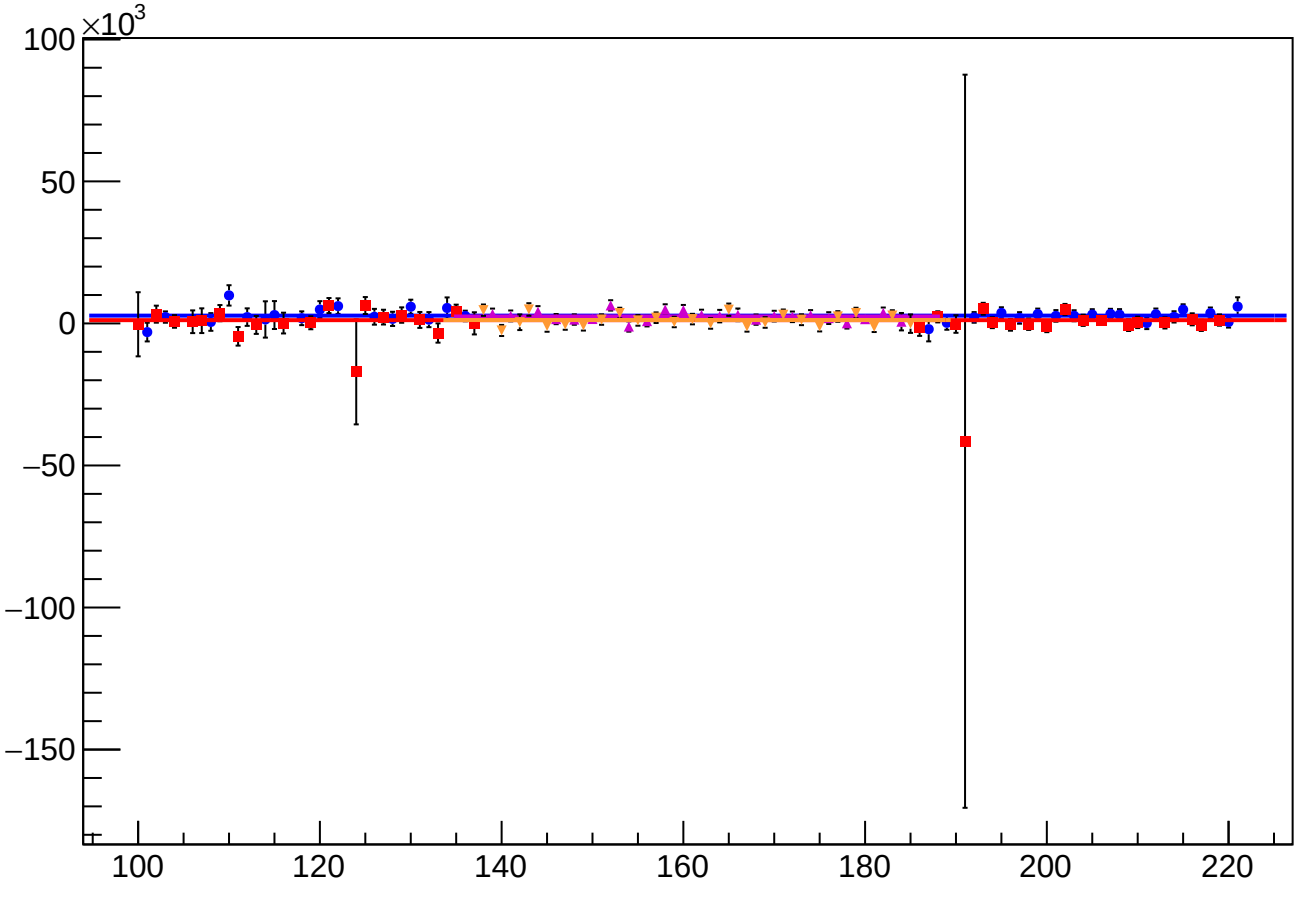
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2253.417+/-0.355 χ^2/NDF: 44353516.5/70

In: 2644.724+/-0.393 χ^2/NDF:34229870.8/56

Out: 3415.265+/-0.462 χ^2/NDF:24947229.3/61

All: 2968.267+/-0.299 χ^2/NDF: 60794218.0/



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: 1150.192+/-405.234 χ^2/NDF: 30.1/36

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

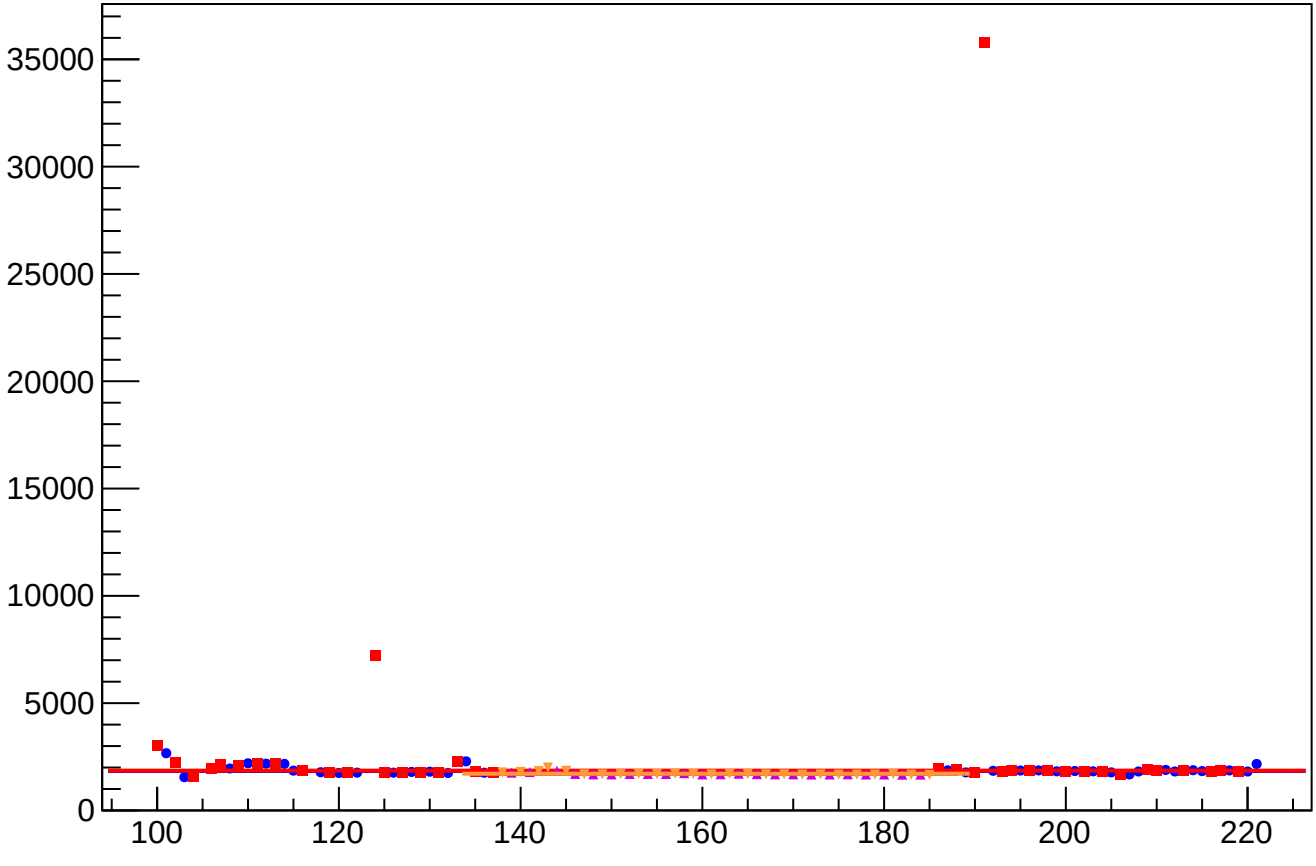
Right: 1961.476+/-283.896 χ^2/NDF: 59.0/70

In: 2591.243+/-281.363 χ^2/NDF:38.8/56

Out: 1177.304+/-280.679 χ^2/NDF:56.4/61

All: 1882.553+/-198.712 χ^2/NDF: 107.9/118

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: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

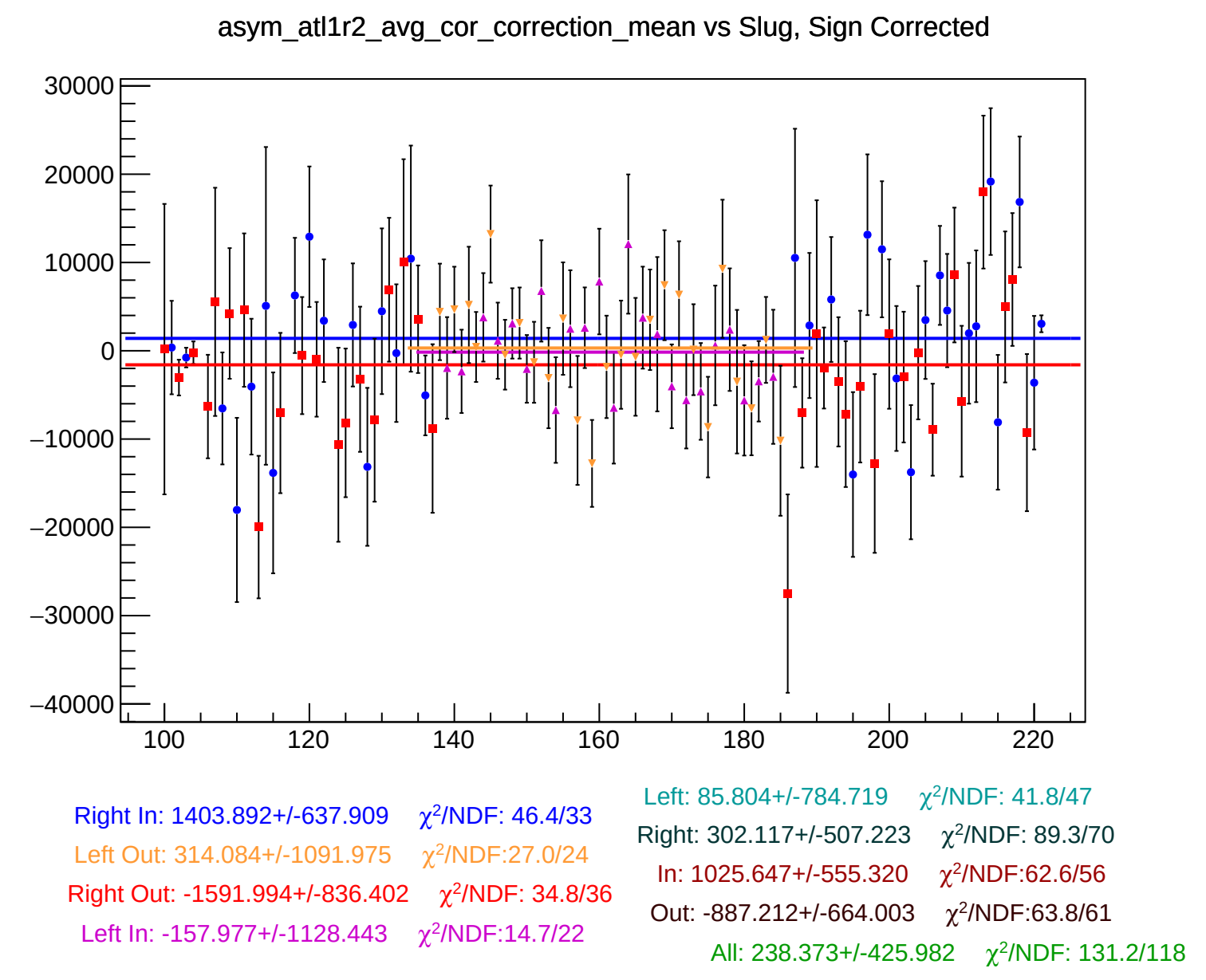
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1846.601+/-0.201 χ^2/NDF: 854317.8/70

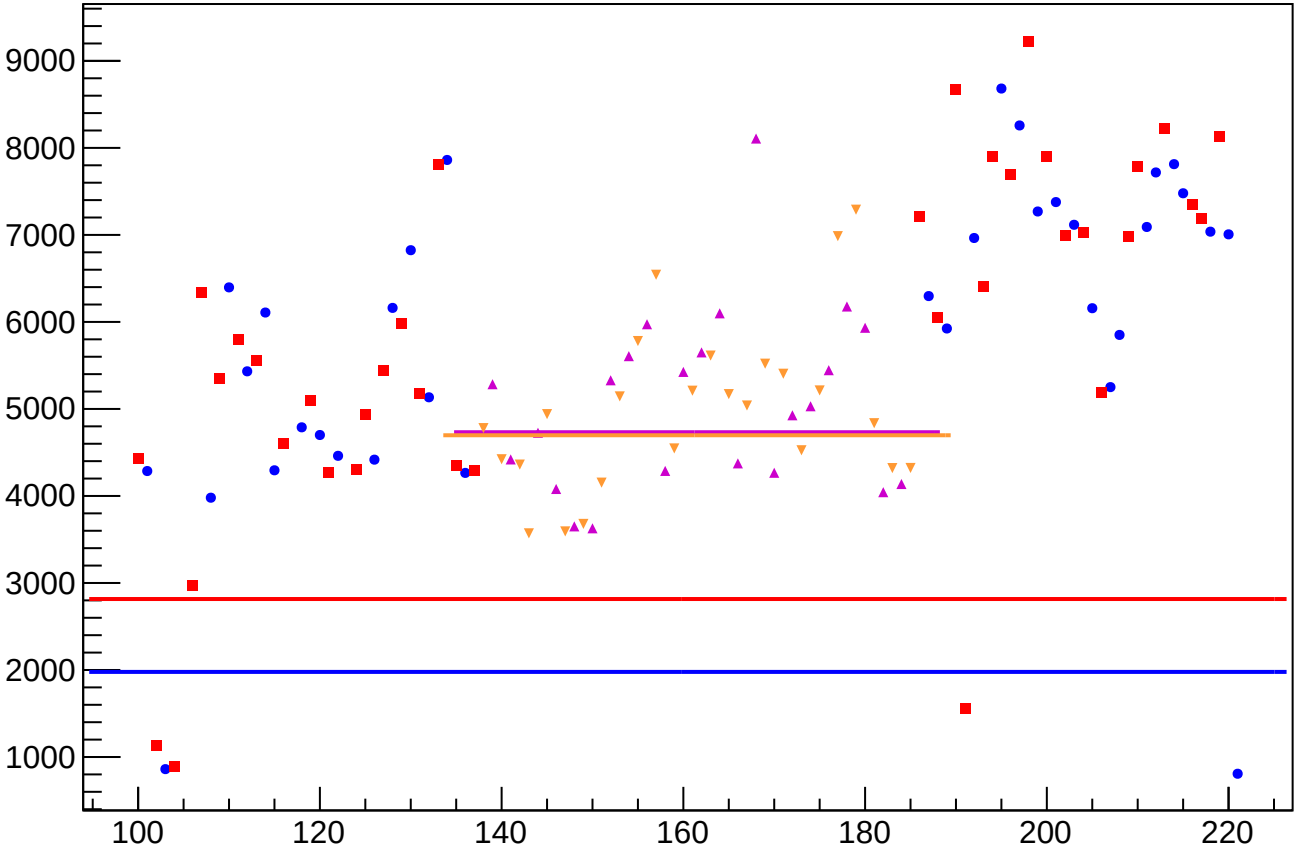
In: 1771.334+/-0.199 χ^2/NDF:444943.0/56

Out: 1780.455+/-0.198 χ^2/NDF:734726.2/61

All: 1775.907+/-0.140 χ^2/NDF: 1180722.9/11


asym_atl1r2_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: 1403.892+/-637.909 χ²/NDF: 46.4/33
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1591.994+/-836.402 χ²/NDF: 34.8/36
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: 302.117+/-507.223 χ²/NDF: 89.3/70
In: 1025.647+/-555.320 χ²/NDF:62.6/56
Out: -887.212+/-664.003 χ²/NDF:63.8/61
All: 238.373+/-425.982 χ²/NDF: 131.2/118

asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected



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: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

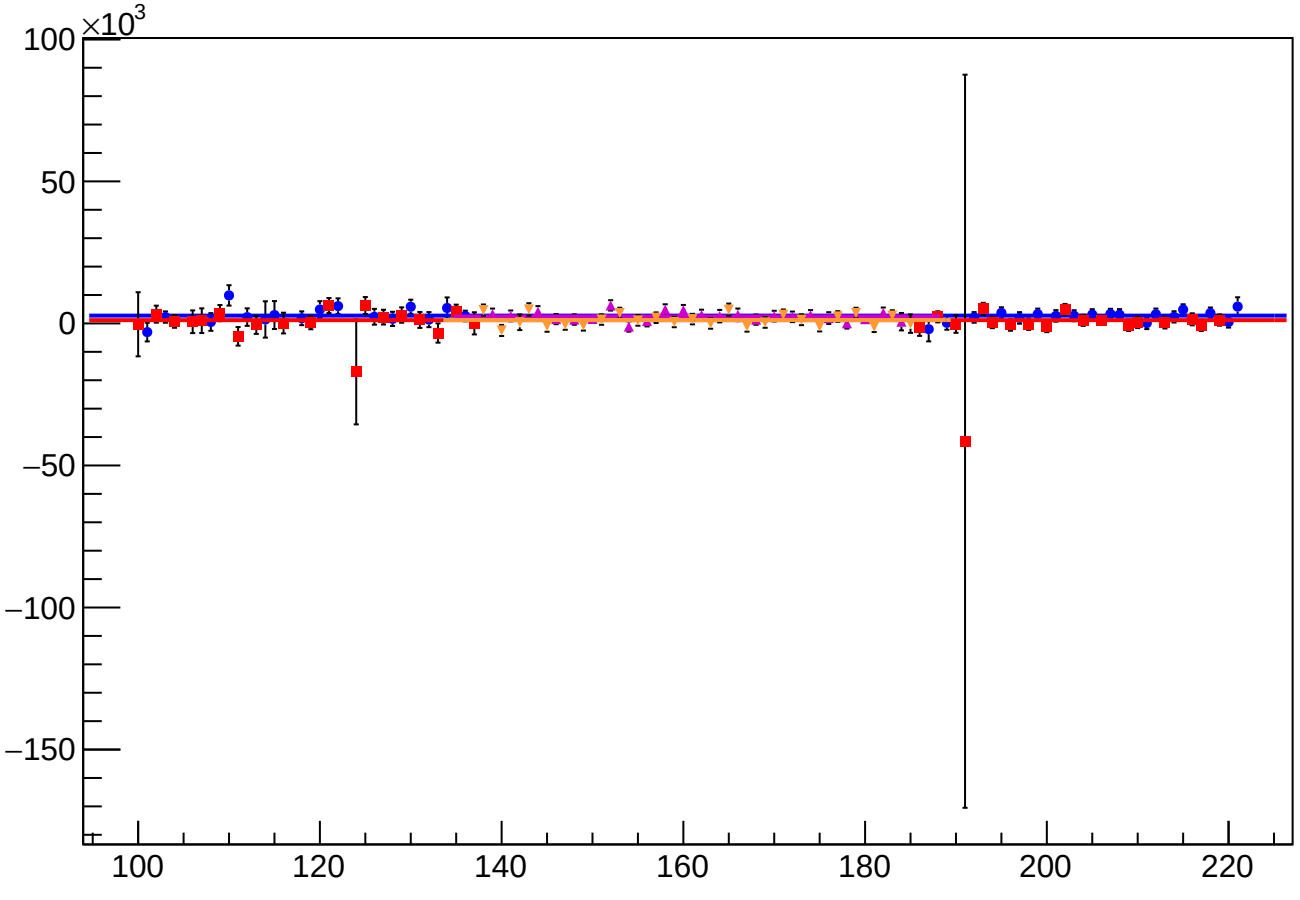
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2286.084+/-0.359 χ^2/NDF: 44170886.2/70

In: 2645.093+/-0.393 χ^2/NDF:34224696.0/56

Out: 3511.503+/-0.470 χ^2/NDF:23934383.5/61

All: 3001.681+/-0.301 χ^2/NDF: 60162782.0/1



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: 1150.192+/-405.234 χ^2/NDF: 30.1/36

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

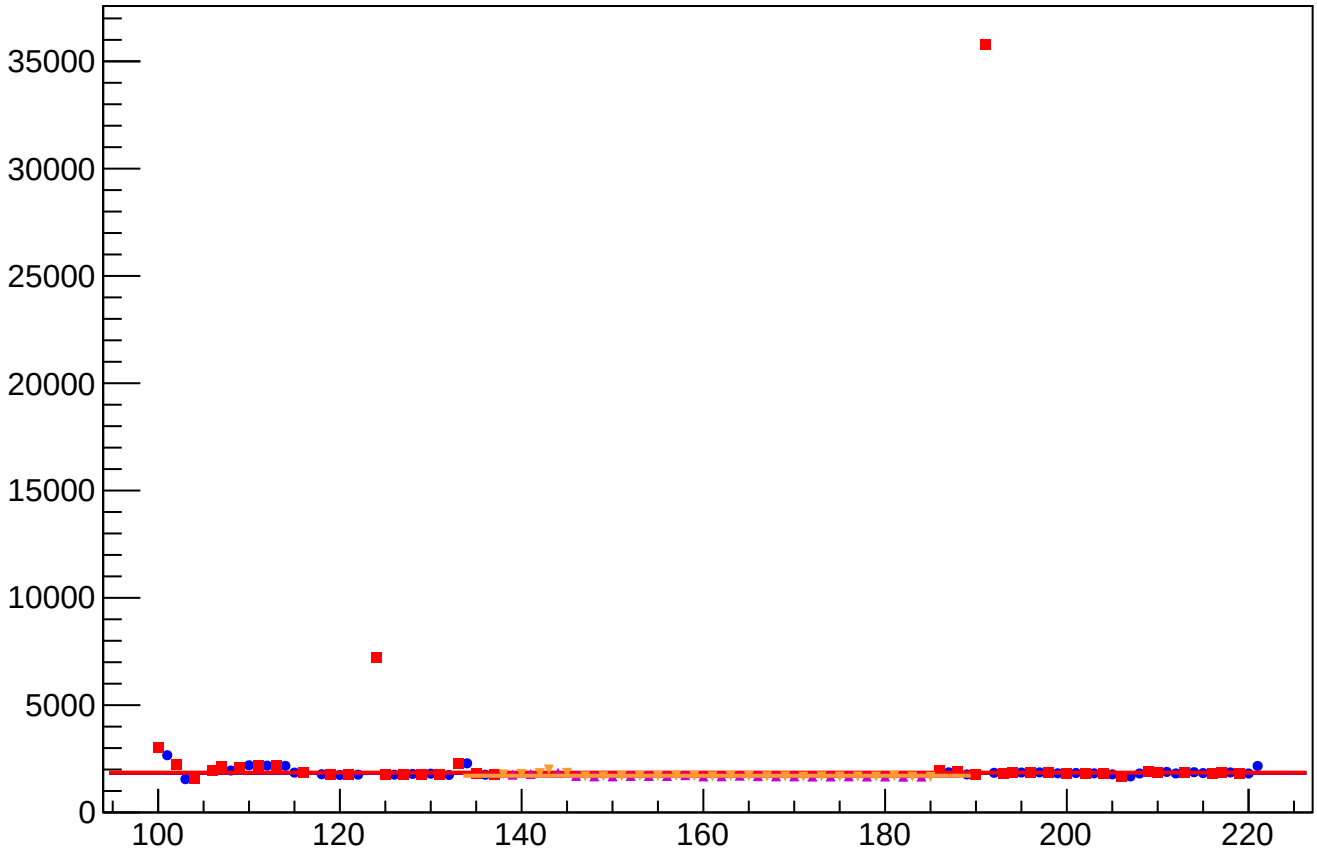
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1961.476+/-283.896 χ^2/NDF: 59.0/70

In: 2591.243+/-281.363 χ^2/NDF:38.8/56

Out: 1177.304+/-280.679 χ^2/NDF:56.4/61

All: 1882.553+/-198.712 χ^2/NDF: 107.9/118



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: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

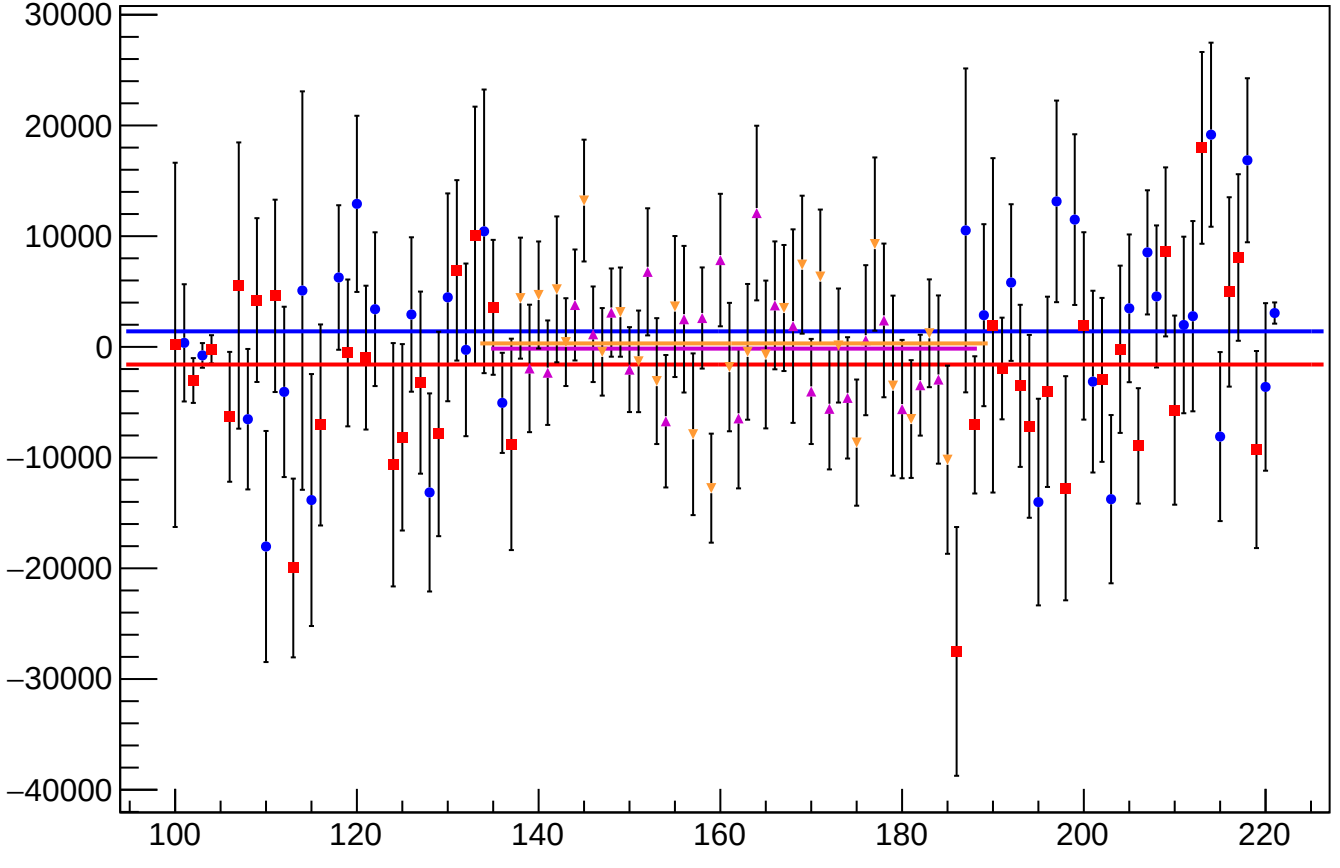
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1846.601+/-0.201 χ^2/NDF: 854317.8/70

In: 1771.334+/-0.199 χ^2/NDF:444943.0/56

Out: 1780.455+/-0.198 χ^2/NDF:734726.2/61

All: 1775.907+/-0.140 χ^2/NDF: 1180722.9/11



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: -1591.994+/-836.402 χ^2/NDF: 34.8/36

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

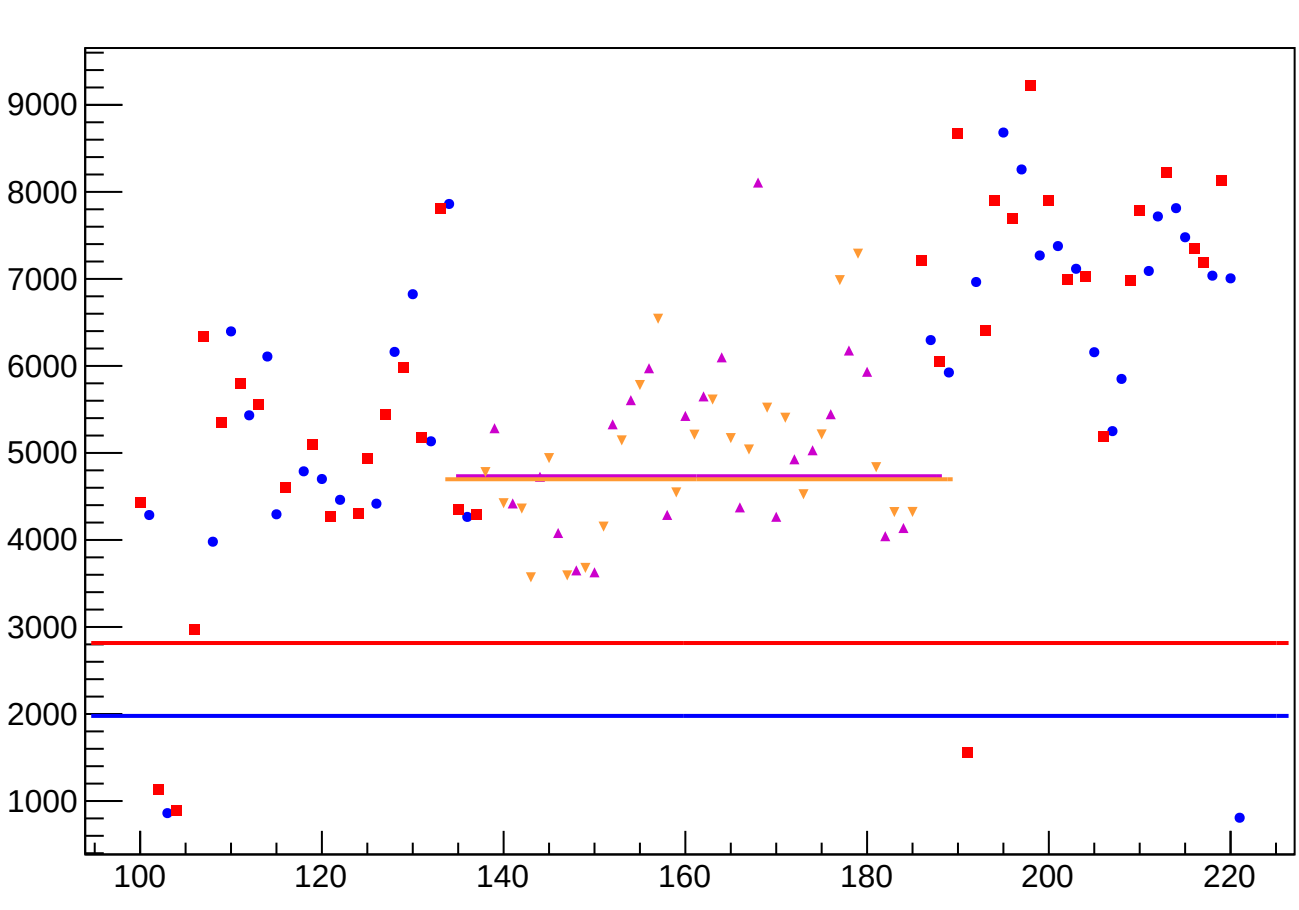
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: 302.117+/-507.223 χ^2/NDF: 89.3/70

In: 1025.647+/-555.320 χ^2/NDF:62.6/56

Out: -887.212+/-664.003 χ^2/NDF:63.8/61

All: 238.373+/-425.982 χ^2/NDF: 131.2/118



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: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

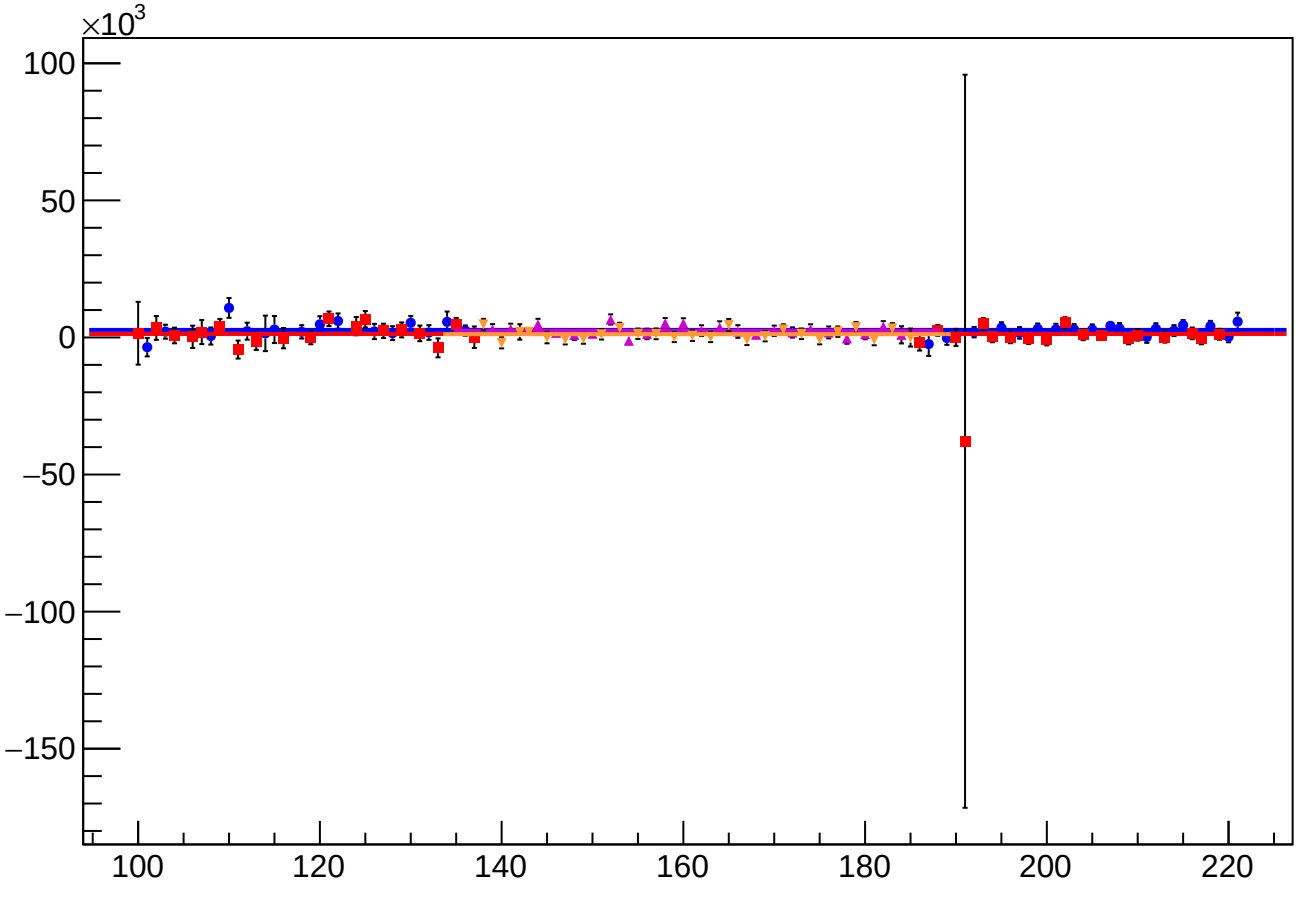
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2286.084+/-0.359 χ^2/NDF: 44170886.2/70

In: 2645.093+/-0.393 χ^2/NDF:34224696.0/56

Out: 3511.503+/-0.470 χ^2/NDF:23934383.5/61

All: 3001.681+/-0.301 χ^2/NDF: 60162782.0/1



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: 1273.085+/-411.315 χ^2/NDF: 31.7/36

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

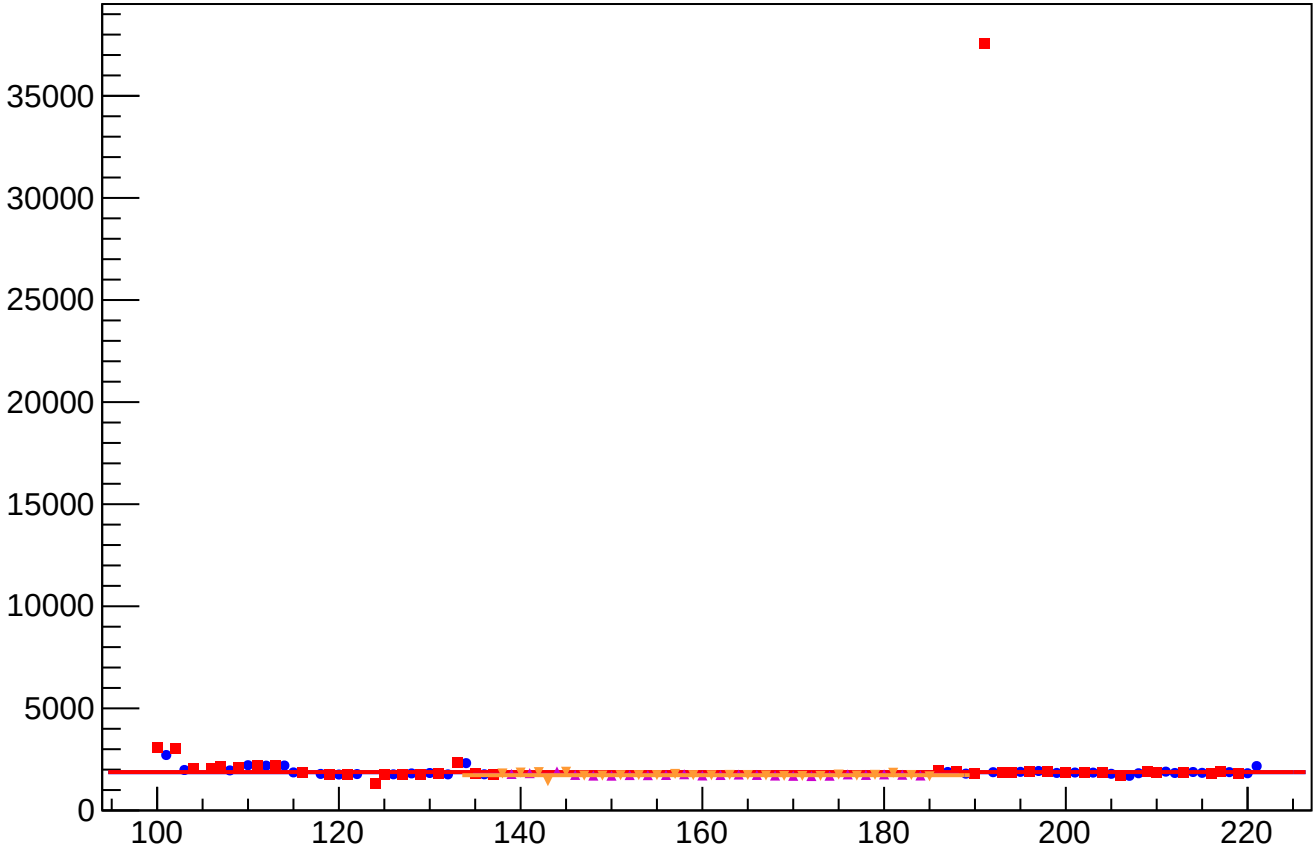
Right: 2025.535+/-288.601 χ^2/NDF: 60.9/70

In: 2597.621+/-287.292 χ^2/NDF:43.6/56

Out: 1233.498+/-284.140 χ^2/NDF:51.2/61

All: 1908.034+/-202.023 χ^2/NDF: 106.2/118

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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: 1879.899+/-0.291 χ^2/NDF: 523655.8/36

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

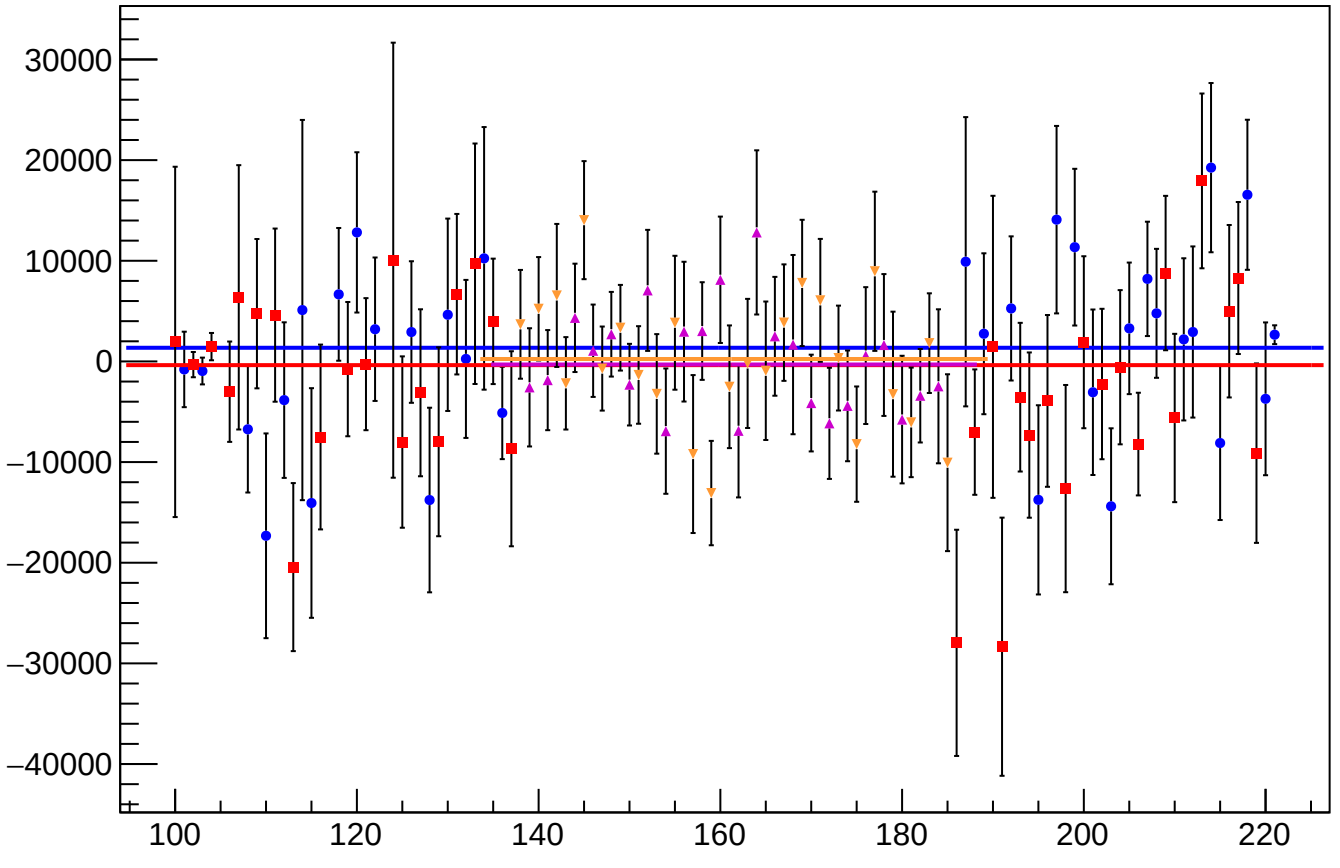
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1876.023+/-0.204 χ^2/NDF: 795293.5/70

In: 1808.842+/-0.203 χ^2/NDF:396762.7/56

Out: 1800.109+/-0.201 χ^2/NDF:778004.2/61

All: 1804.427+/-0.143 χ^2/NDF: 1175701.1/11



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: -368.518+/-765.175 χ^2/NDF: 40.0/36

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

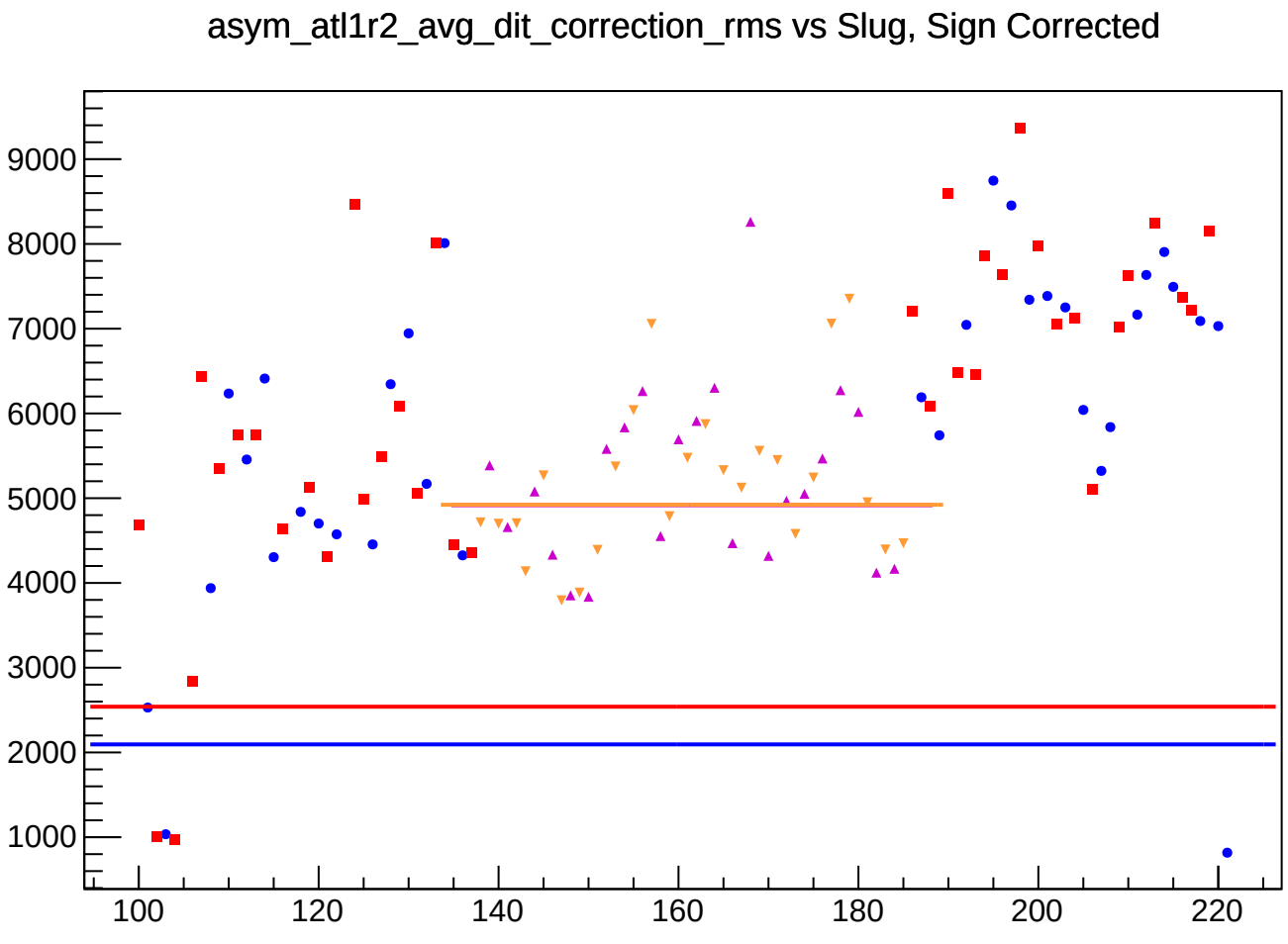
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

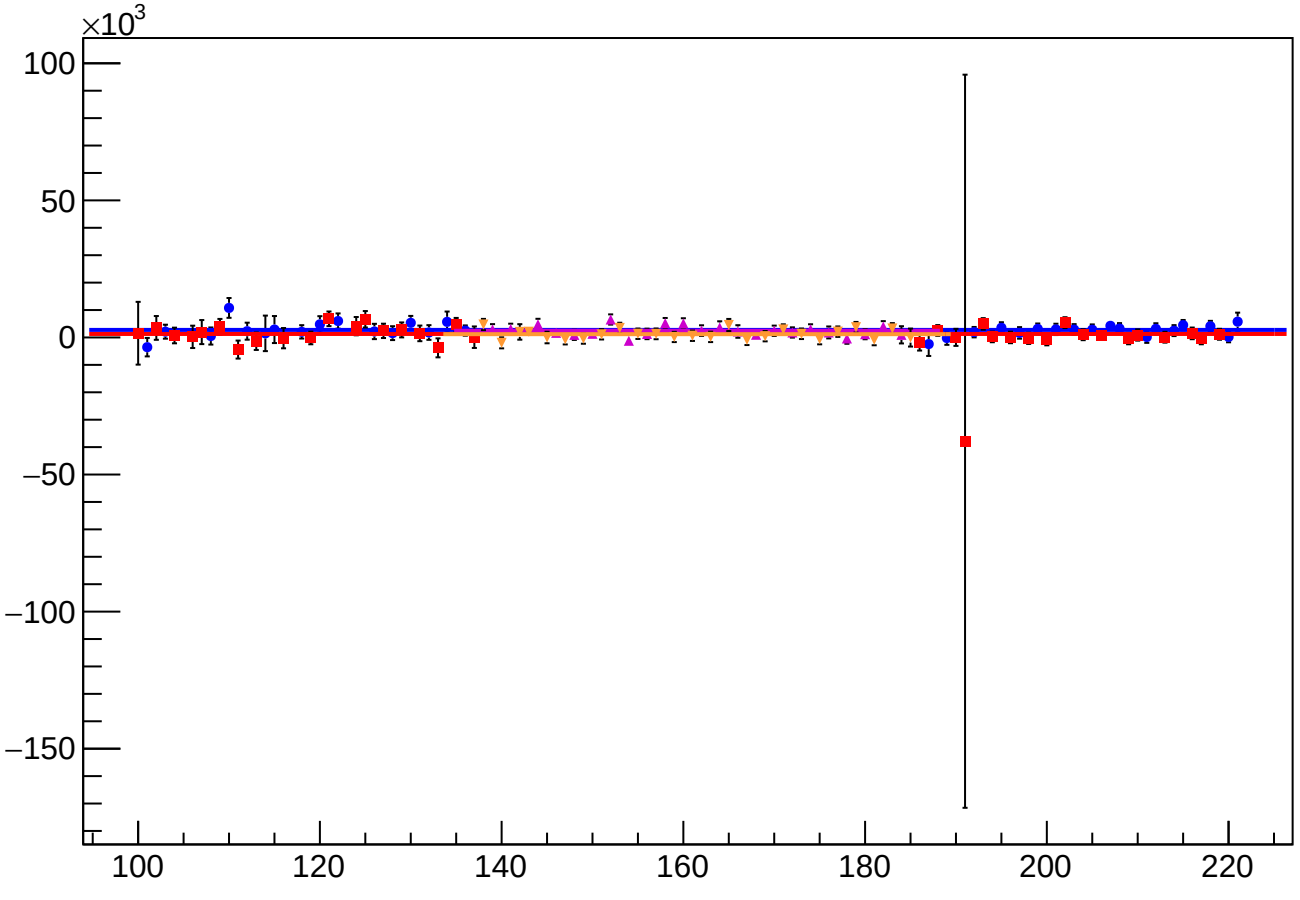
Right: 621.347+/-499.654 χ^2/NDF: 87.4/70

In: 956.454+/-574.786 χ^2/NDF:60.5/56

Out: -179.386+/-635.496 χ^2/NDF:66.9/61

All: 445.367+/-426.287 χ^2/NDF: 129.2/118


asym_atl1r2_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2094.939+/-0.466 χ²/NDF: 22738813.4/33
Left Out: 4922.380+/-0.807 χ²/NDF:1050408.0/24
Right Out: 2539.700+/-0.541 χ²/NDF: 20746438.6/36
Left In: 4916.964+/-0.828 χ²/NDF:1161642.5/22
Left: 4919.742+/-0.578 χ²/NDF: 2212072.5/47
Right: 2284.585+/-0.353 χ²/NDF: 43872840.1/70
In: 2774.840+/-0.406 χ²/NDF:32717190.6/56
Out: 3278.880+/-0.449 χ²/NDF:27813073.1/61
All: 3001.640+/-0.301 χ²/NDF: 61222294.4/1



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: 1273.087+/-411.314 χ^2/NDF: 31.7/36

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

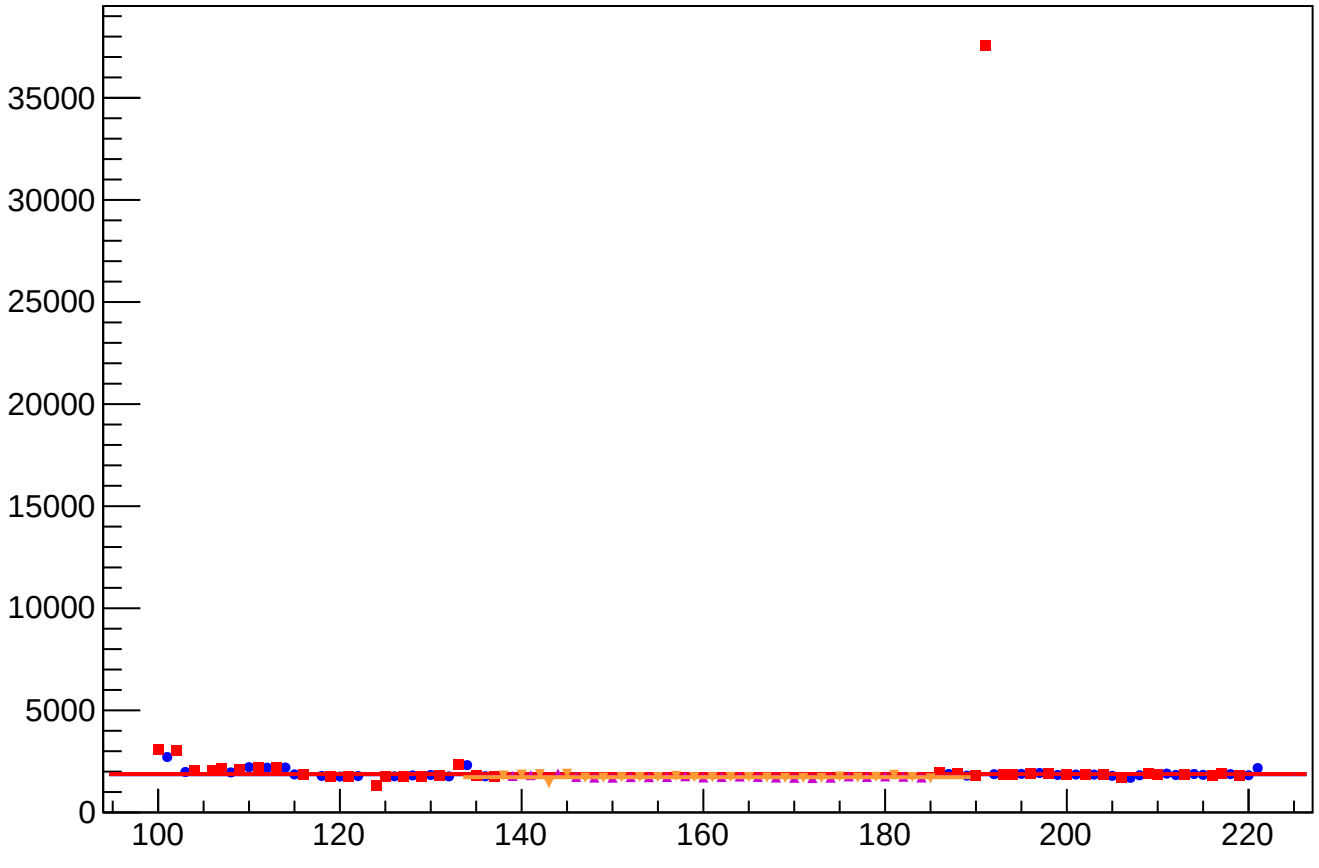
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2025.532+/-288.601 χ^2/NDF: 60.9/70

In: 2597.617+/-287.292 χ^2/NDF:43.6/56

Out: 1233.496+/-284.140 χ^2/NDF:51.2/61

All: 1908.032+/-202.023 χ^2/NDF: 106.2/118



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: 1879.899+/-0.291 χ^2/NDF: 523654.6/36

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

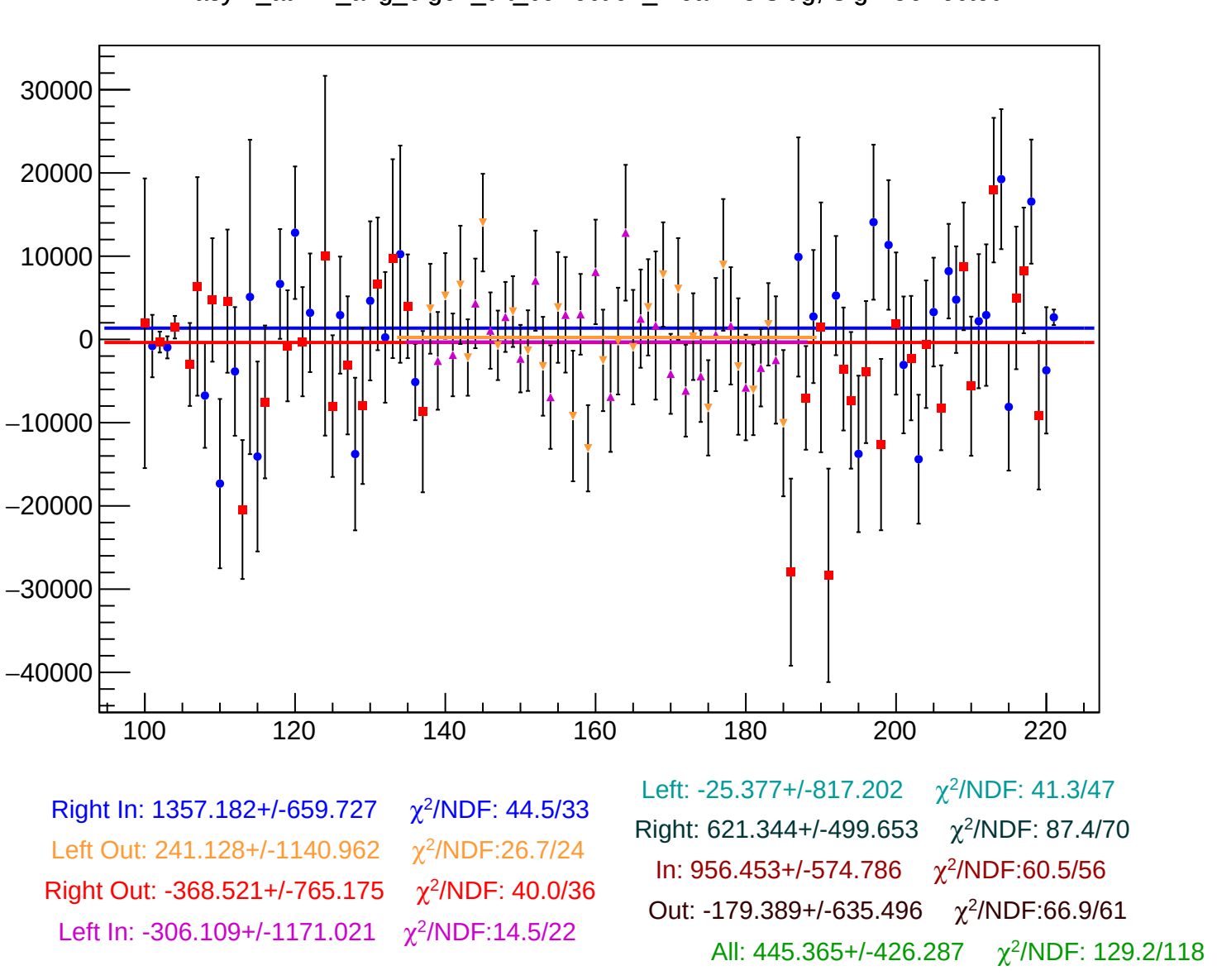
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

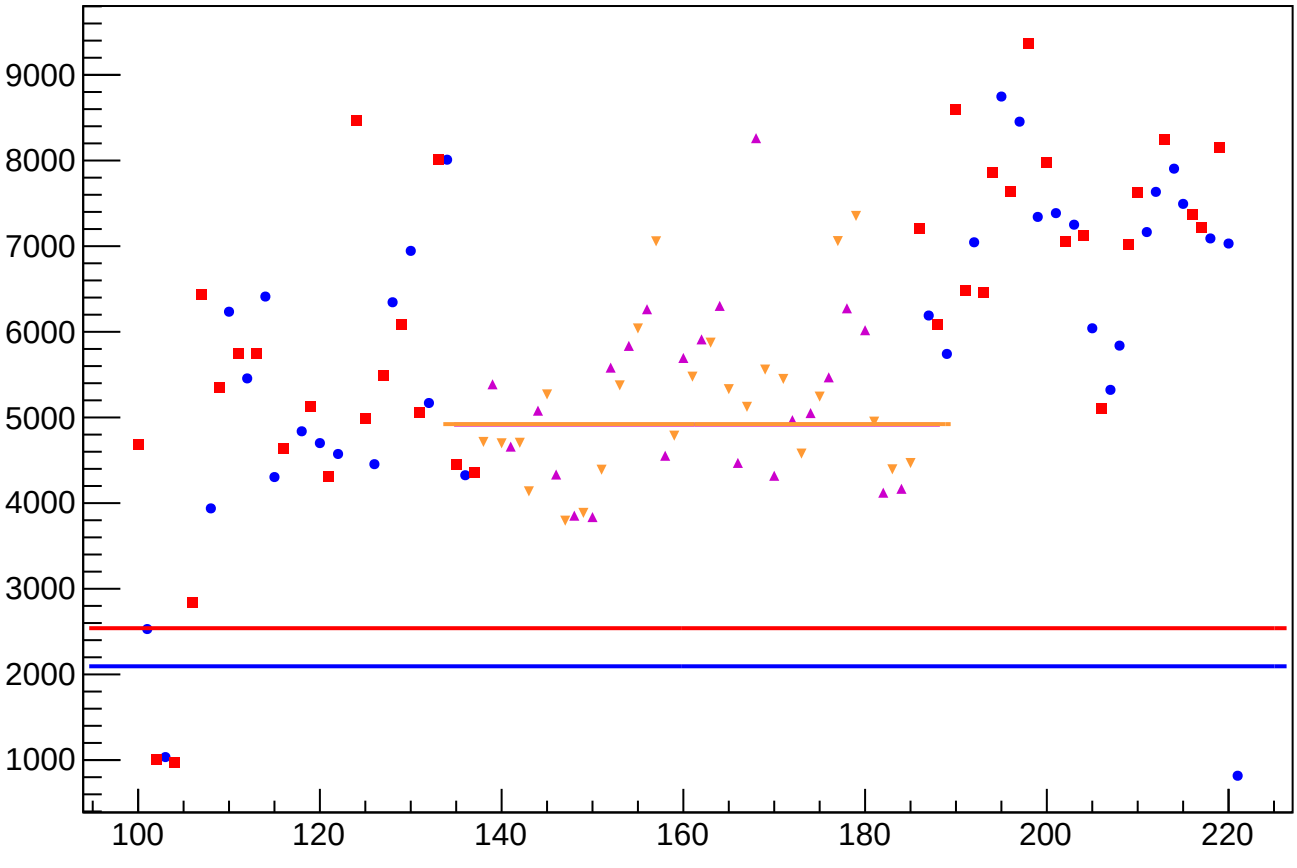
Right: 1876.023+/-0.204 χ^2/NDF: 795292.4/70

In: 1808.842+/-0.203 χ^2/NDF:396761.2/56

Out: 1800.109+/-0.201 χ^2/NDF:778000.1/61

All: 1804.427+/-0.143 χ^2/NDF: 1175695.5/11


asym_atl1r2_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: 1357.182+/-659.727 χ²/NDF: 44.5/33
Left Out: 241.128+/-1140.962 χ²/NDF:26.7/24
Right Out: -368.521+/-765.175 χ²/NDF: 40.0/36
Left In: -306.109+/-1171.021 χ²/NDF:14.5/22
Left: -25.377+/-817.202 χ²/NDF: 41.3/47
Right: 621.344+/-499.653 χ²/NDF: 87.4/70
In: 956.453+/-574.786 χ²/NDF:60.5/56
Out: -179.389+/-635.496 χ²/NDF:66.9/61
All: 445.365+/-426.287 χ²/NDF: 129.2/118



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: 2539.698+/-0.541 χ^2/NDF: 20746446.0/36

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

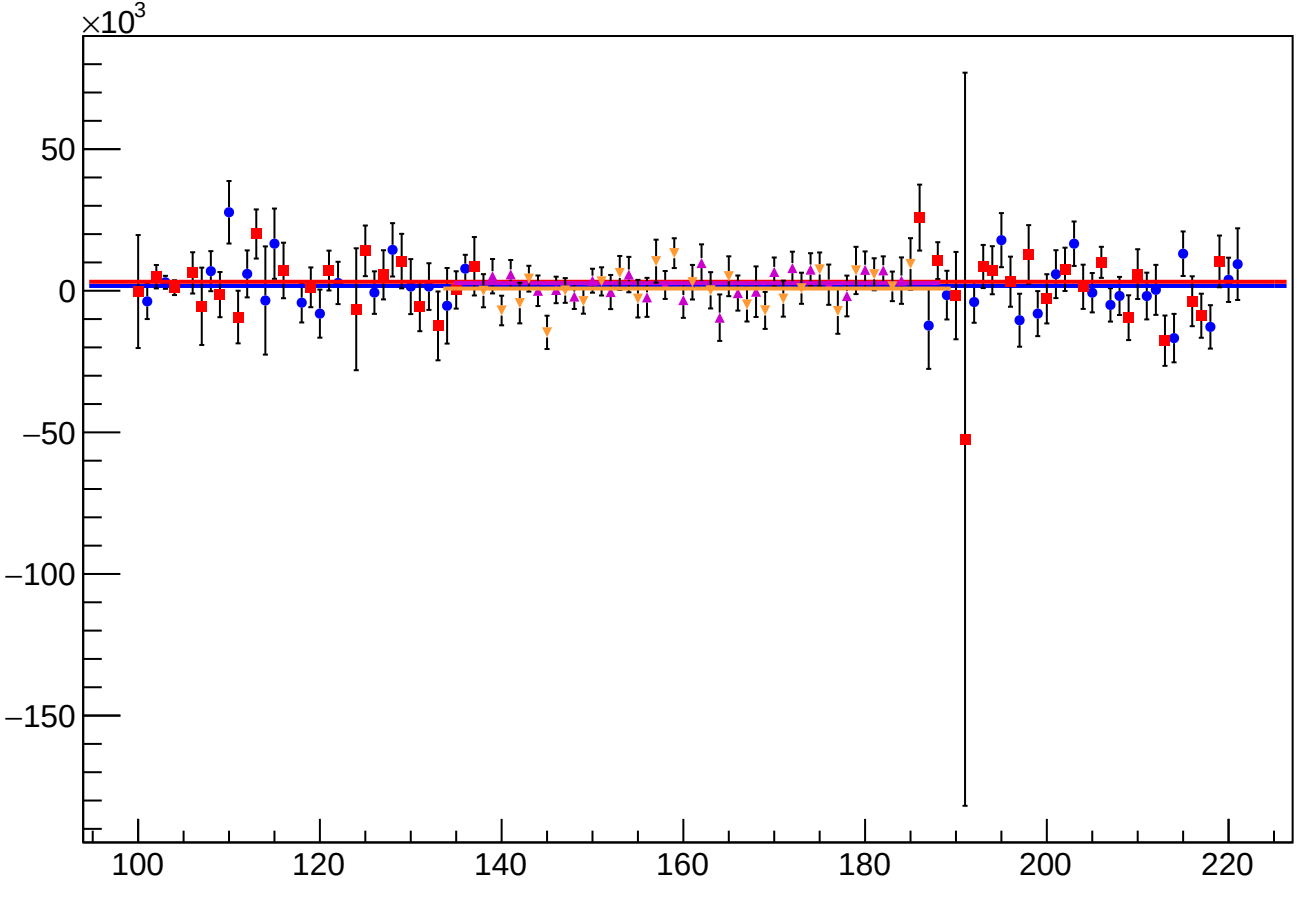
Right: 2284.583+/-0.353 χ^2/NDF: 43872862.3/70

In: 2774.838+/-0.406 χ^2/NDF:32717248.8/56

Out: 3278.879+/-0.449 χ^2/NDF:27813117.9/61

All: 3001.638+/-0.301 χ^2/NDF: 61222401.1/1

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: 3174.479+/-1224.858 χ^2/NDF: 34.6/36

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

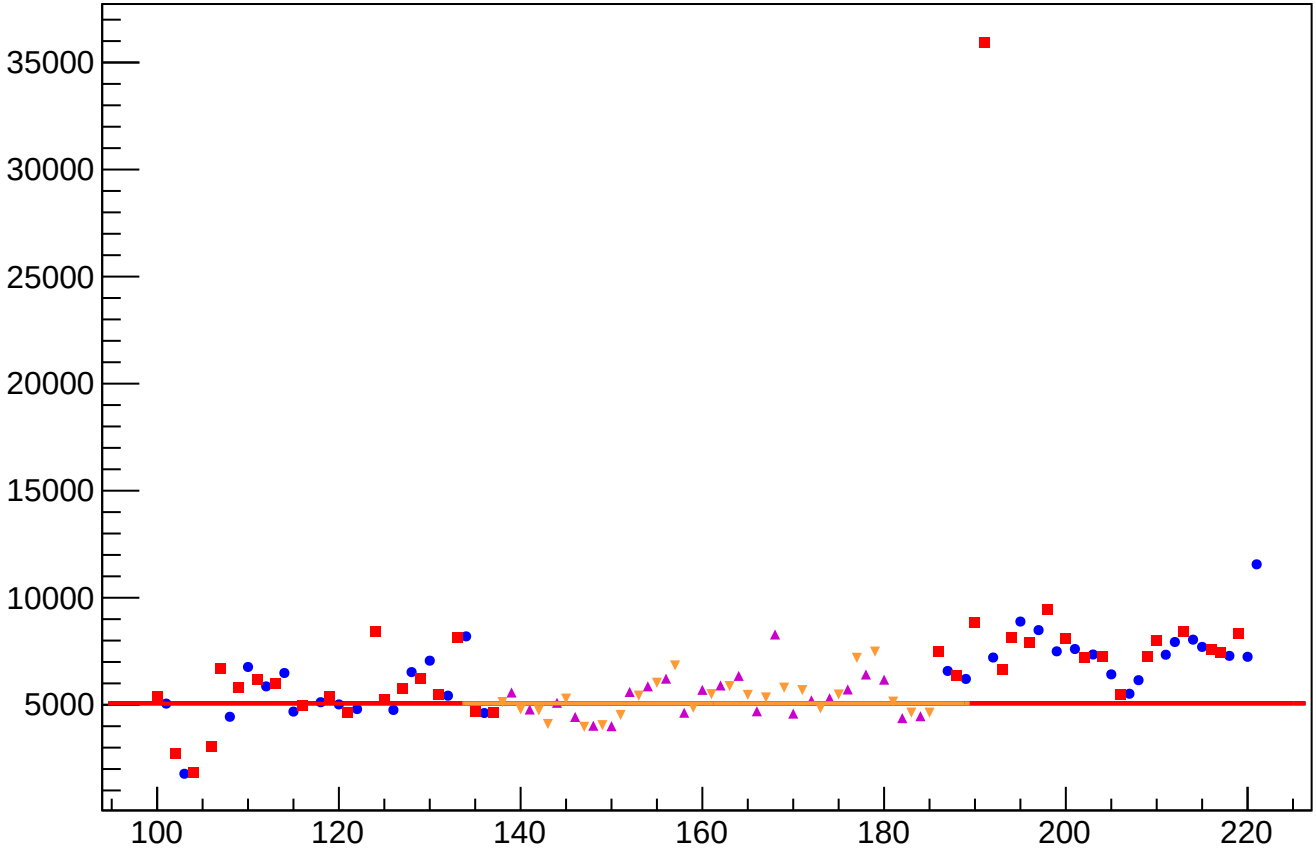
Right: 2416.820+/-856.829 χ^2/NDF: 74.2/70

In: 2195.095+/-850.395 χ^2/NDF:51.2/56

Out: 1928.581+/-846.786 χ^2/NDF:64.1/61

All: 2061.271+/-600.040 χ^2/NDF: 115.4/118

asym_atl1r2_avg_rms vs Slug, Sign Corrected



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: 5052.664+/-0.861 χ^2/NDF: 7415343.4/36

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

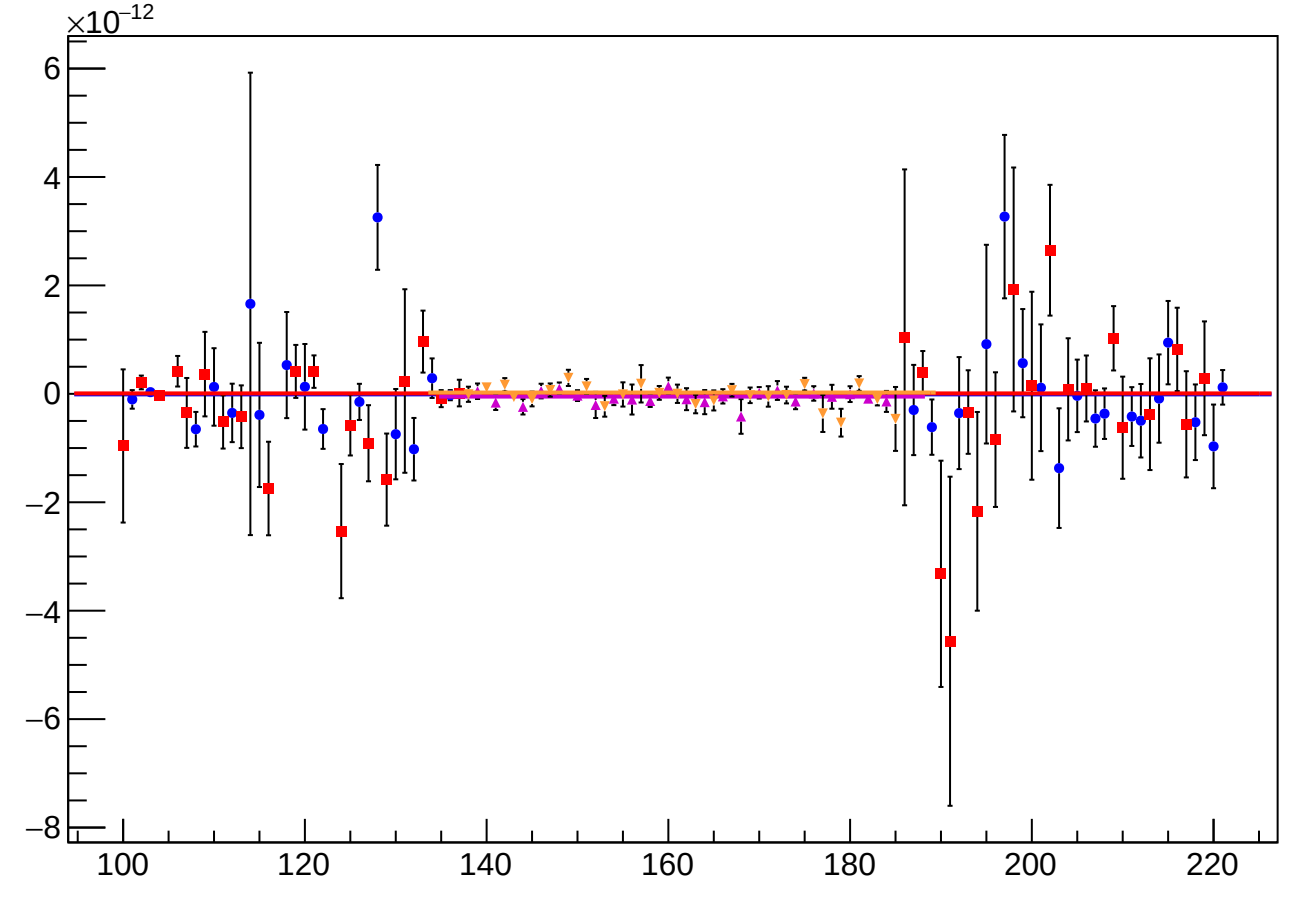
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 5064.434+/-0.604 χ^2/NDF: 15063233.6/70

In: 5077.773+/-0.601 χ^2/NDF:8648773.6/56

Out: 5060.569+/-0.597 χ^2/NDF:8369759.7/61

All: 5069.109+/-0.424 χ^2/NDF: 17018945.6/



Right In: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.9/36

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

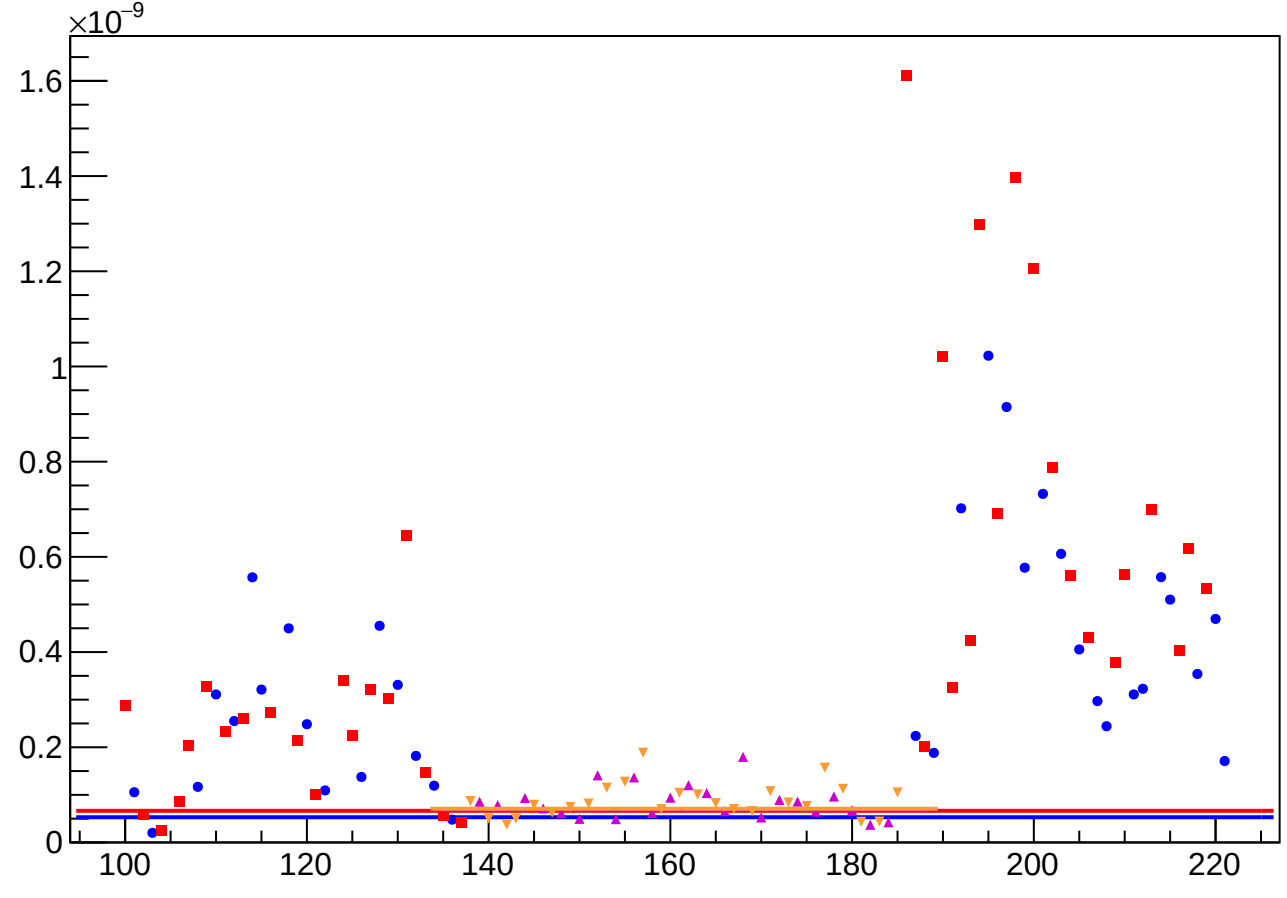
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 87.1/70

In: -0.000+/-0.000 χ^2/NDF:51.9/56

Out: 0.000+/-0.000 χ^2/NDF:70.6/61

All: -0.000+/-0.000 χ^2/NDF: 125.1/118



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: 13040679.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

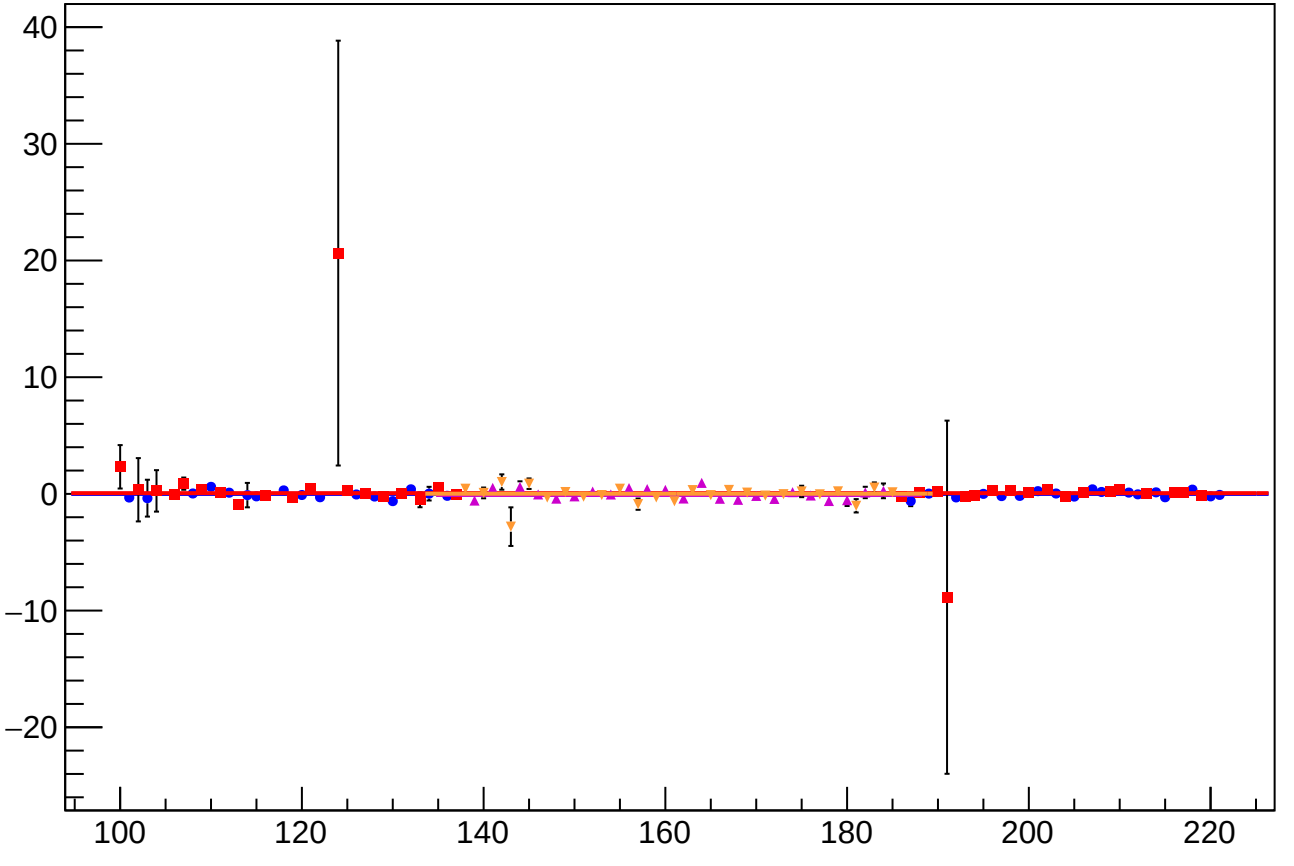
Right: 0.000+/-0.000 χ^2/NDF: 25416321.2/70

In: 0.000+/-0.000 χ^2/NDF:13931717.3/56

Out: 0.000+/-0.000 χ^2/NDF:14543611.8/61

All: 0.000+/-0.000 χ^2/NDF: 28568925.4/118

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: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

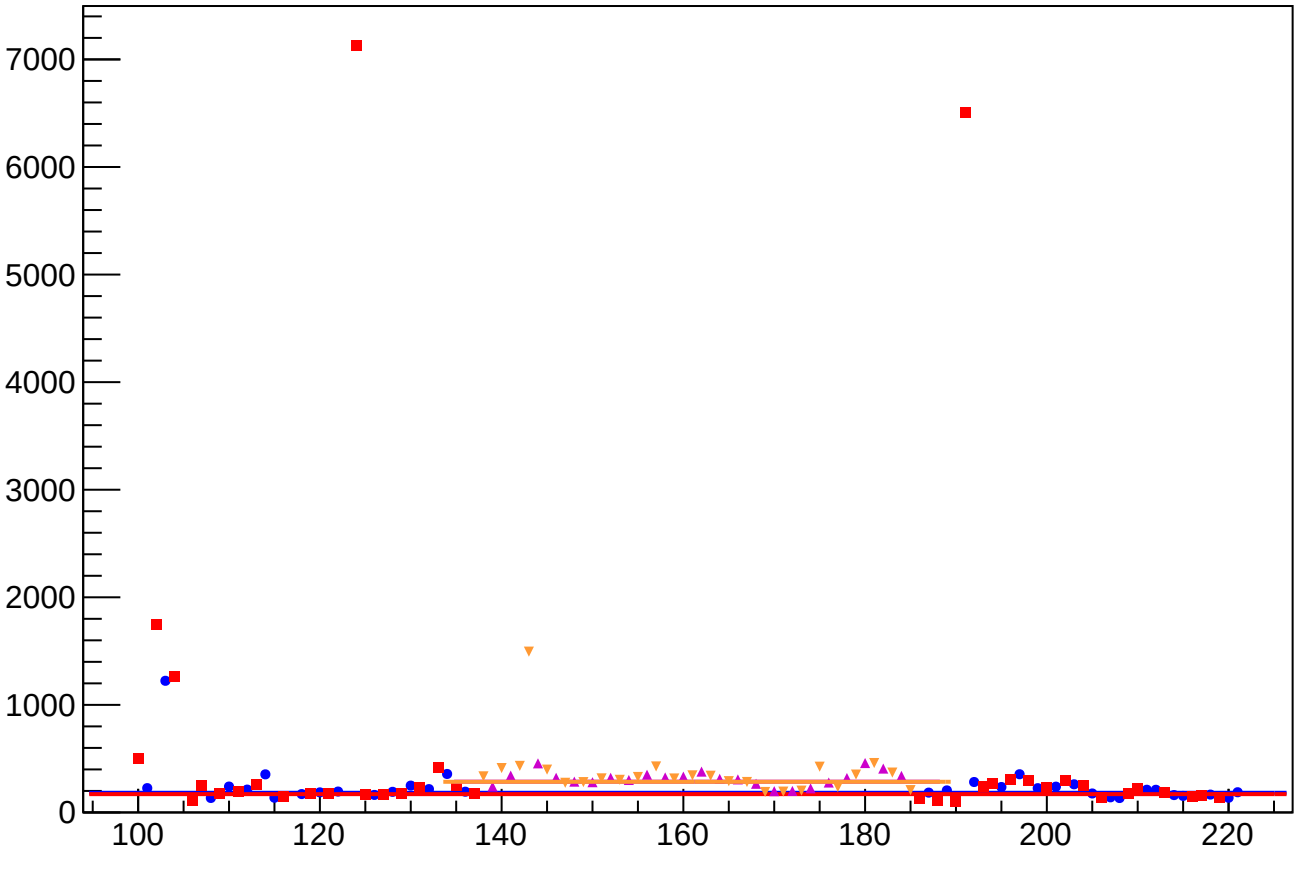
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.030+/-0.029 χ^2/NDF: 70.2/70

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.013+/-0.025 χ^2/NDF: 131.9/118



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: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

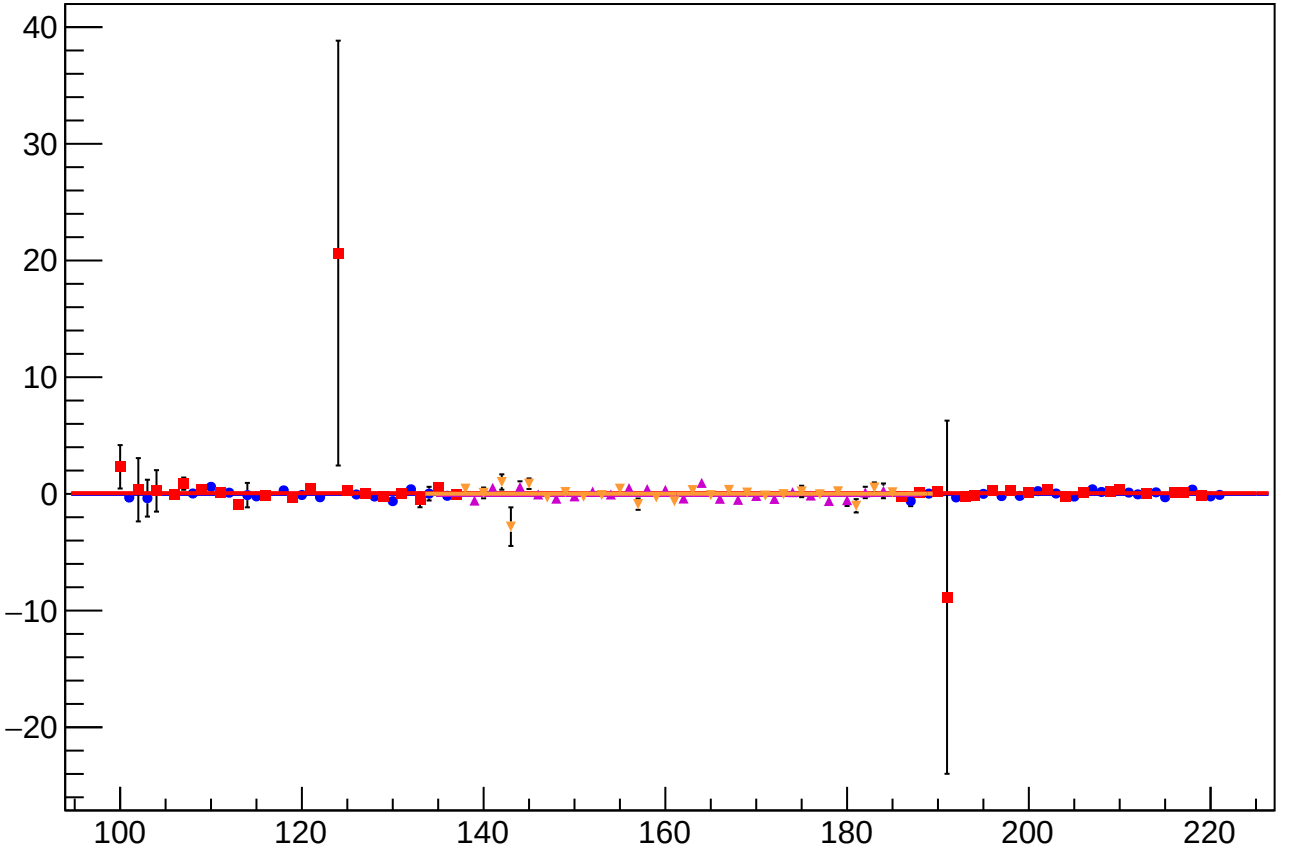
Right: 176.454+/-0.021 χ^2/NDF: 8833532.8/70

In: 210.049+/-0.026 χ^2/NDF:8011993.2/56

Out: 199.883+/-0.025 χ^2/NDF:13038073.7/61

All: 204.874+/-0.018 χ^2/NDF: 21130656.4/11

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: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

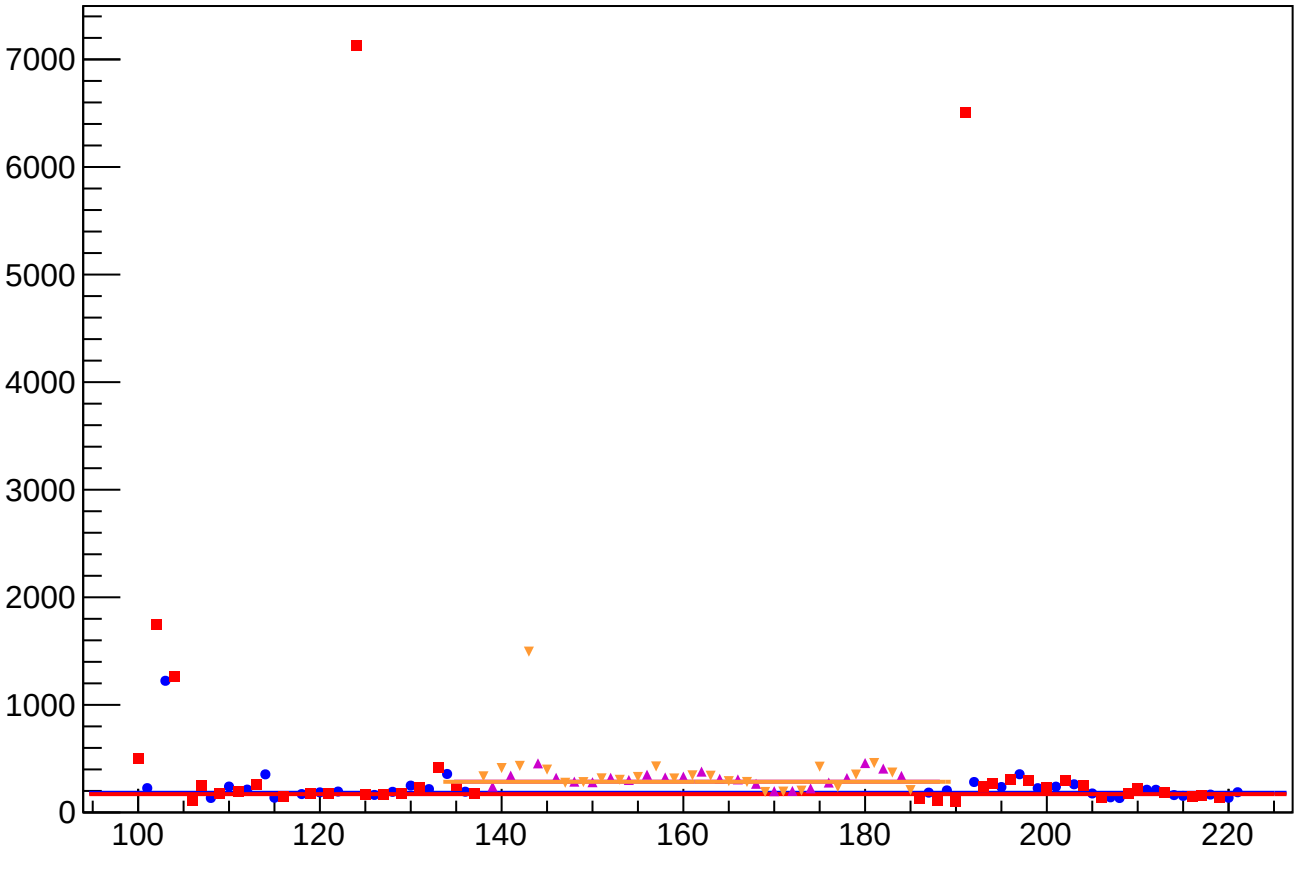
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.030+/-0.029 χ^2/NDF: 70.2/70

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.013+/-0.025 χ^2/NDF: 131.9/118



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: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

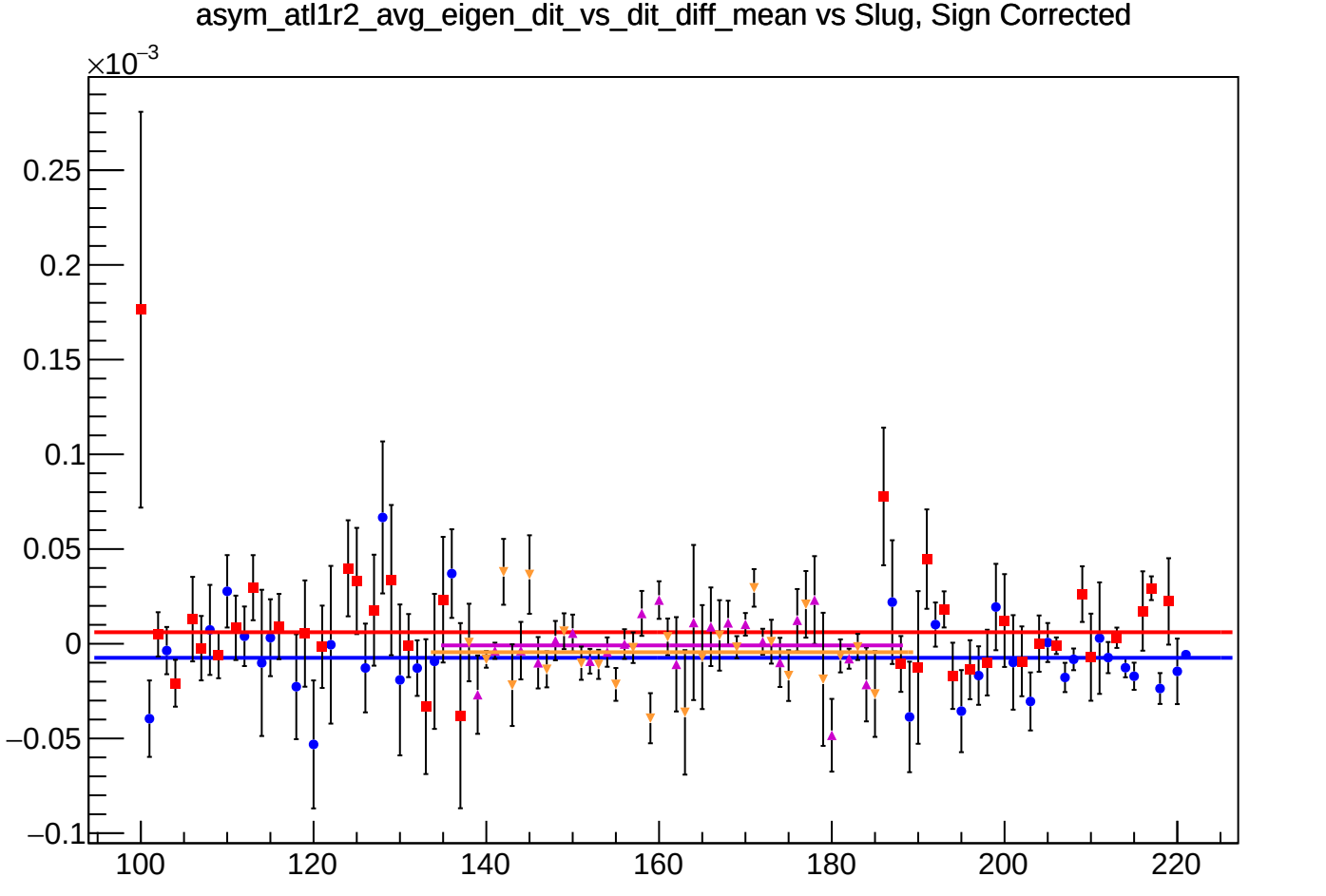
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

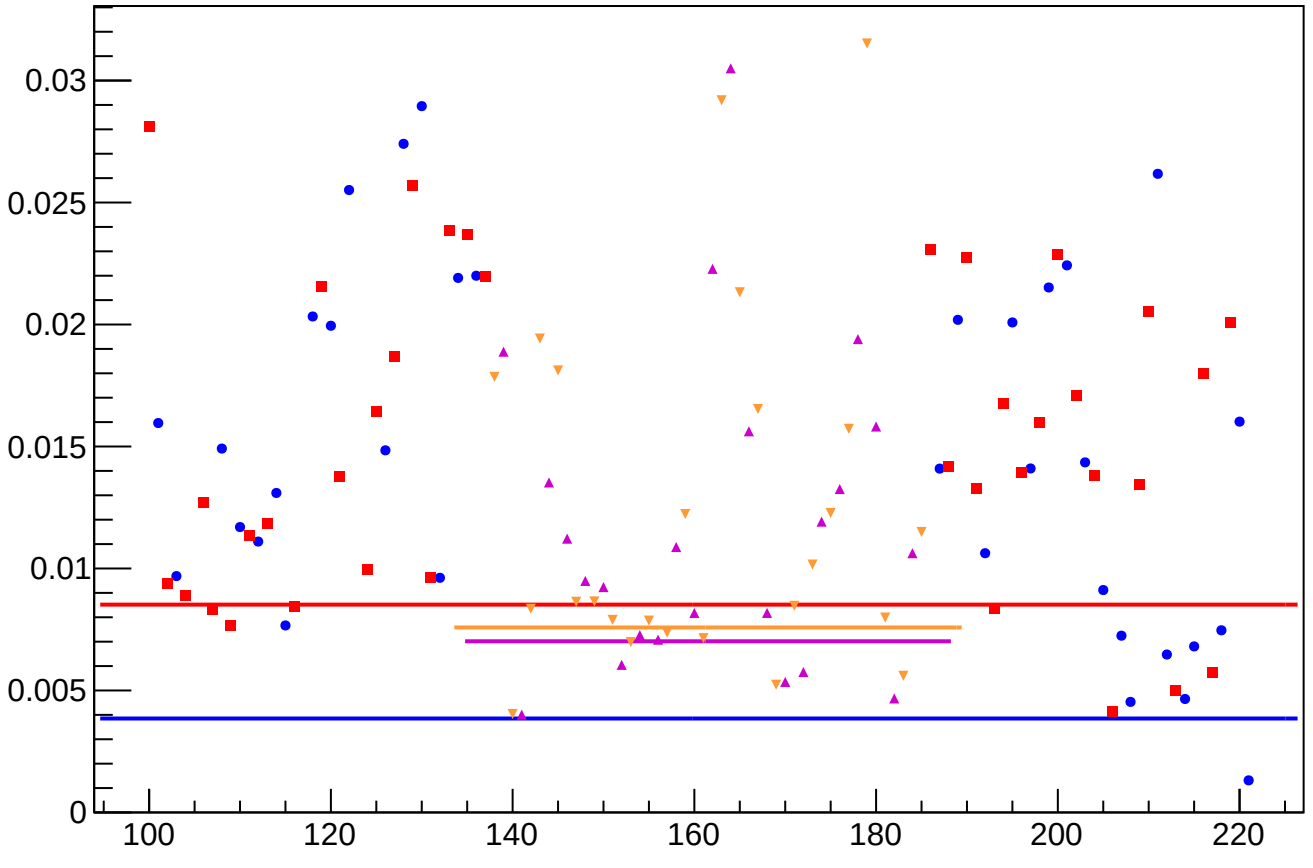
Right: 176.454+/-0.021 χ^2/NDF: 8833532.8/70

In: 210.049+/-0.026 χ^2/NDF:8011993.2/56

Out: 199.883+/-0.025 χ^2/NDF:13038073.7/61

All: 204.874+/-0.018 χ^2/NDF: 21130656.4/11


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 37.2/33
Left Out: -0.000+/-0.000 χ²/NDF:43.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 50.6/36
Left In: -0.000+/-0.000 χ²/NDF:29.0/22
Left: -0.000+/-0.000 χ²/NDF: 74.6/47
Right: -0.000+/-0.000 χ²/NDF: 116.2/70
In: -0.000+/-0.000 χ²/NDF:74.3/56
Out: 0.000+/-0.000 χ²/NDF:107.4/61
All: -0.000+/-0.000 χ²/NDF: 191.3/118



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: 0.009+/-0.000 χ^2/NDF: 10868558.5/36

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

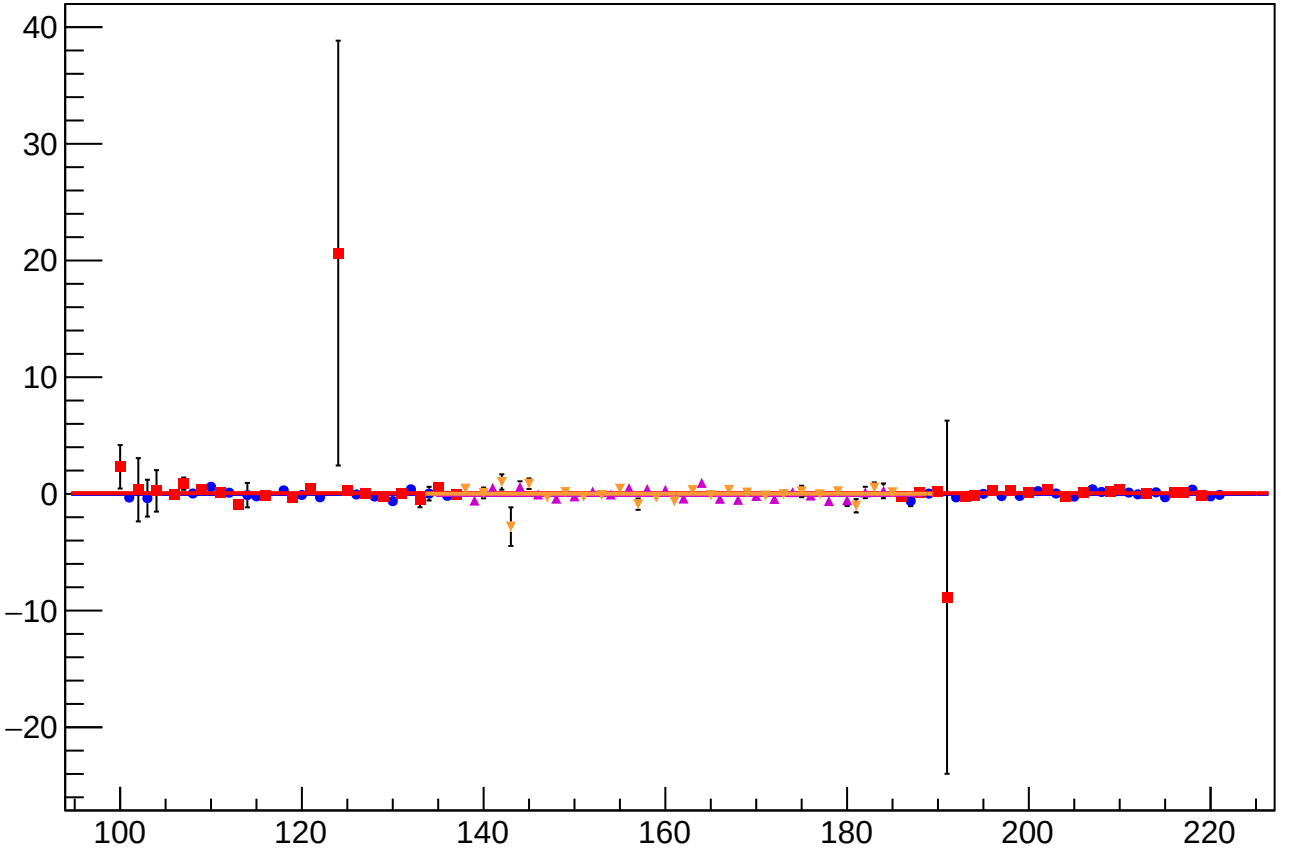
Right: 0.005+/-0.000 χ^2/NDF: 41556345.8/70

In: 0.005+/-0.000 χ^2/NDF:34404012.9/56

Out: 0.008+/-0.000 χ^2/NDF:18423840.3/61

All: 0.006+/-0.000 χ^2/NDF: 58838015.2/118

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: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

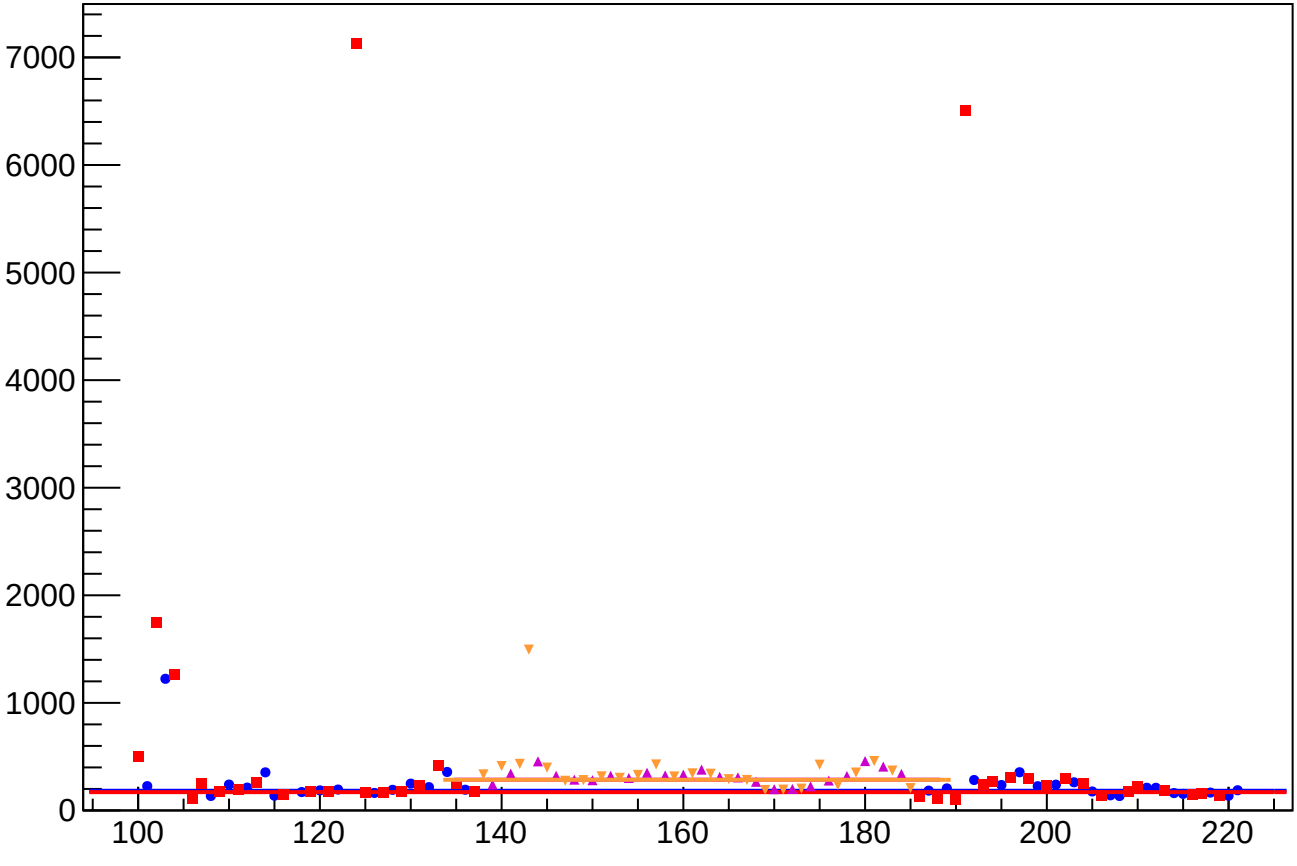
Right: 0.030+/-0.029 χ^2/NDF: 70.2/70

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.013+/-0.025 χ^2/NDF: 131.9/118

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

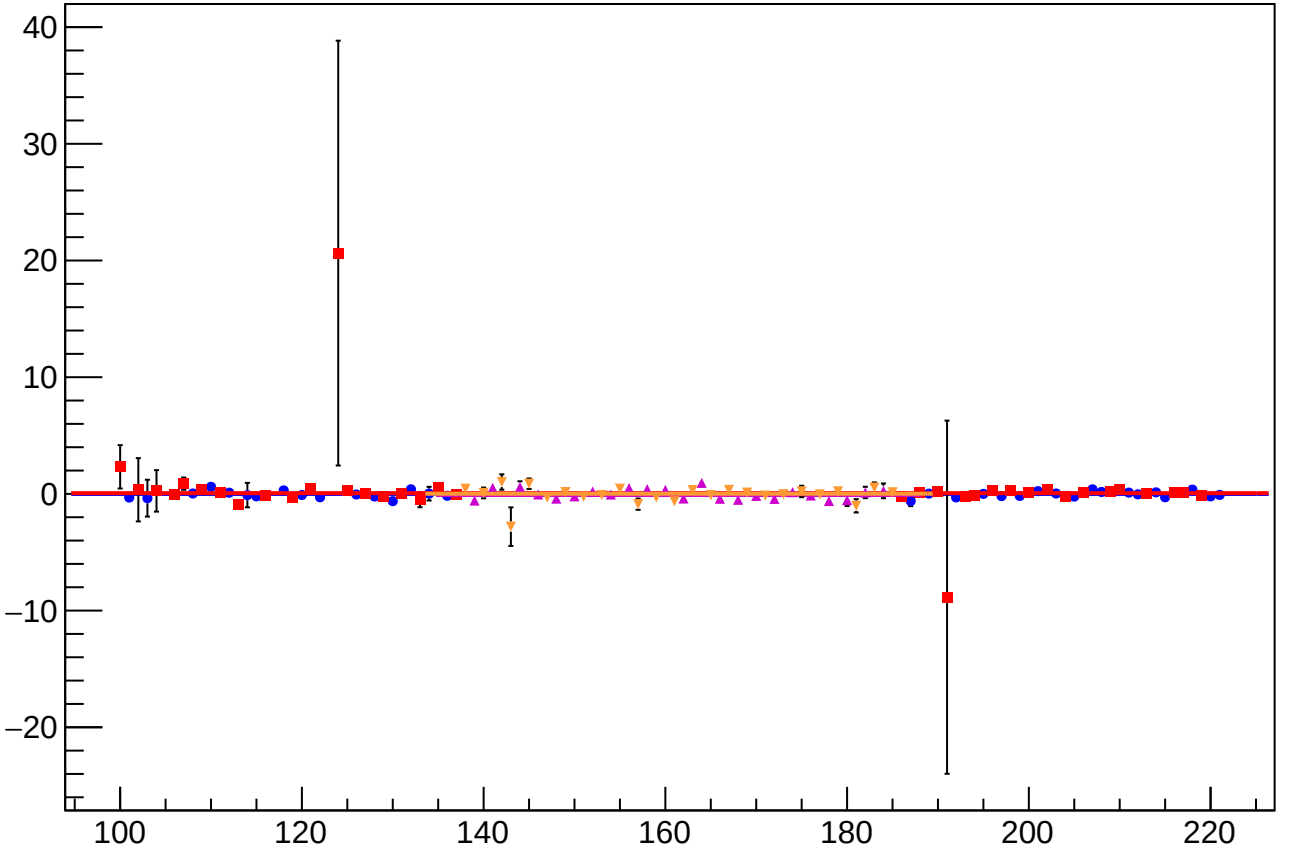
Right: 176.453+/-0.021 χ^2/NDF: 8833669.0/70

In: 210.049+/-0.026 χ^2/NDF:8012183.3/56

Out: 199.882+/-0.025 χ^2/NDF:13038491.3/61

All: 204.873+/-0.018 χ^2/NDF: 21131283.3/11

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: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

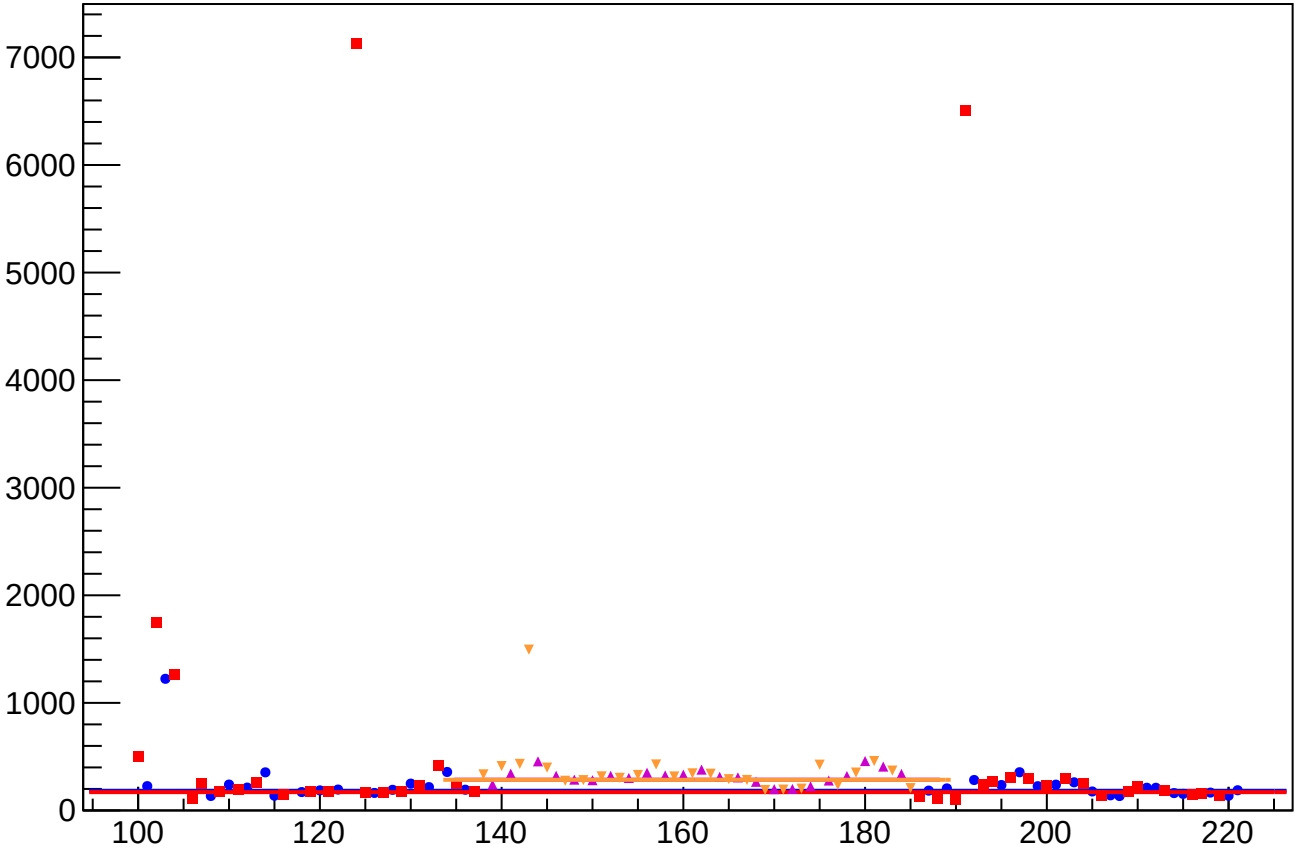
Right: 0.030+/-0.029 χ^2/NDF: 70.2/70

In: -0.027+/-0.036 χ^2/NDF:67.1/56

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.013+/-0.025 χ^2/NDF: 131.9/118

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

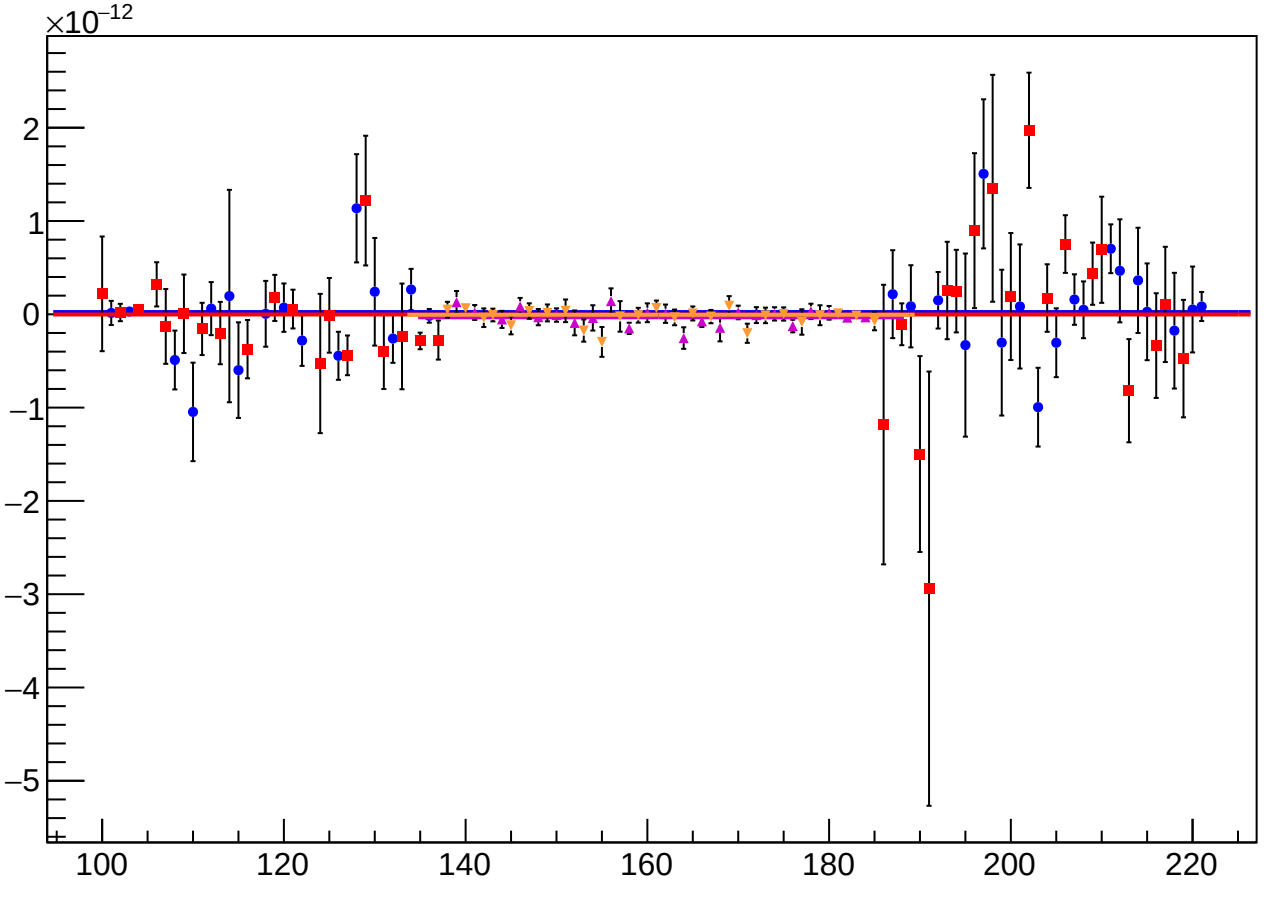
Right: 176.453+/-0.021 χ^2/NDF: 8833669.0/70

In: 210.049+/-0.026 χ^2/NDF:8012183.3/56

Out: 199.882+/-0.025 χ^2/NDF:13038491.3/61

All: 204.873+/-0.018 χ^2/NDF: 21131283.3/11

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 38.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.7/36

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

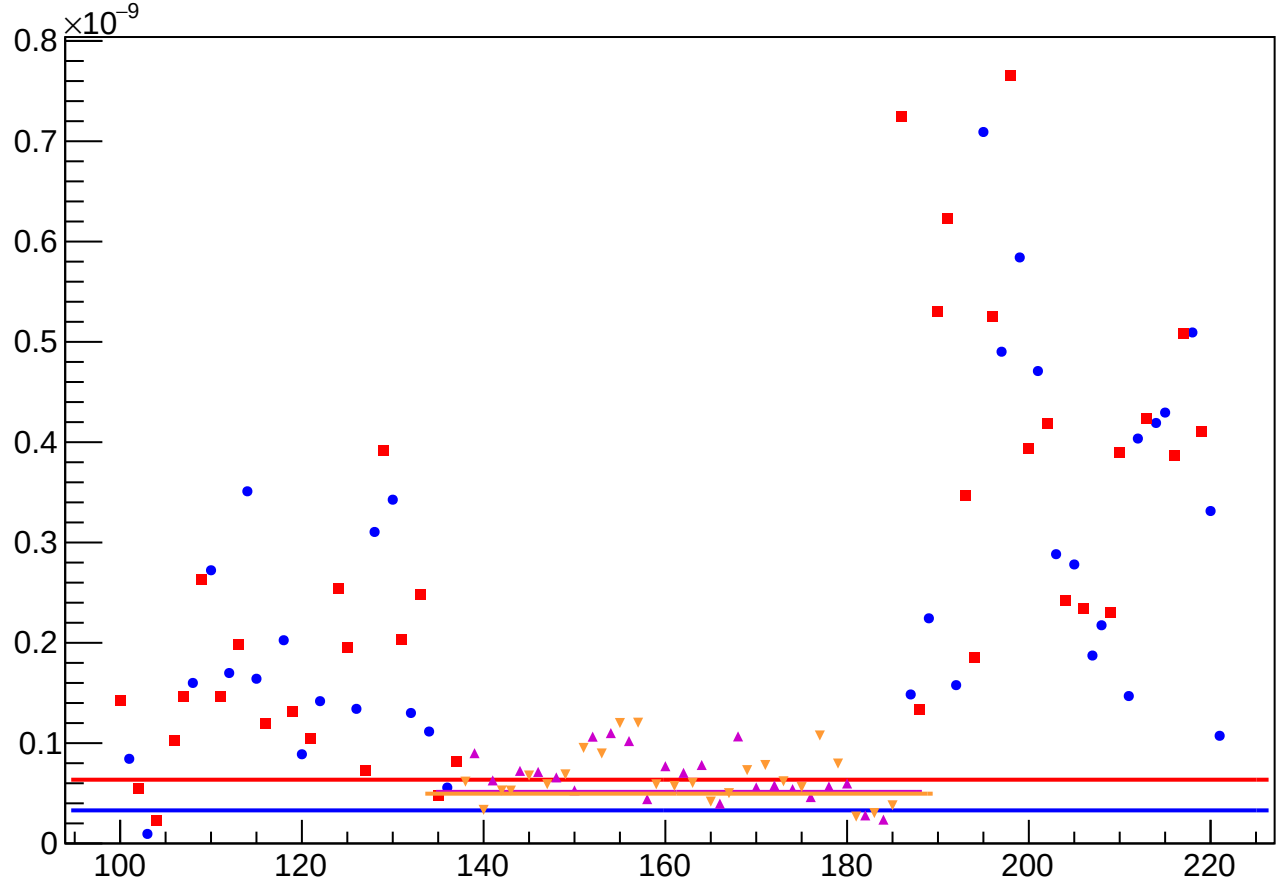
Right: 0.000+/-0.000 χ^2/NDF: 96.6/70

In: -0.000+/-0.000 χ^2/NDF:62.1/56

Out: -0.000+/-0.000 χ^2/NDF:74.2/61

All: -0.000+/-0.000 χ^2/NDF: 136.4/118

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: 14434913.5/36

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

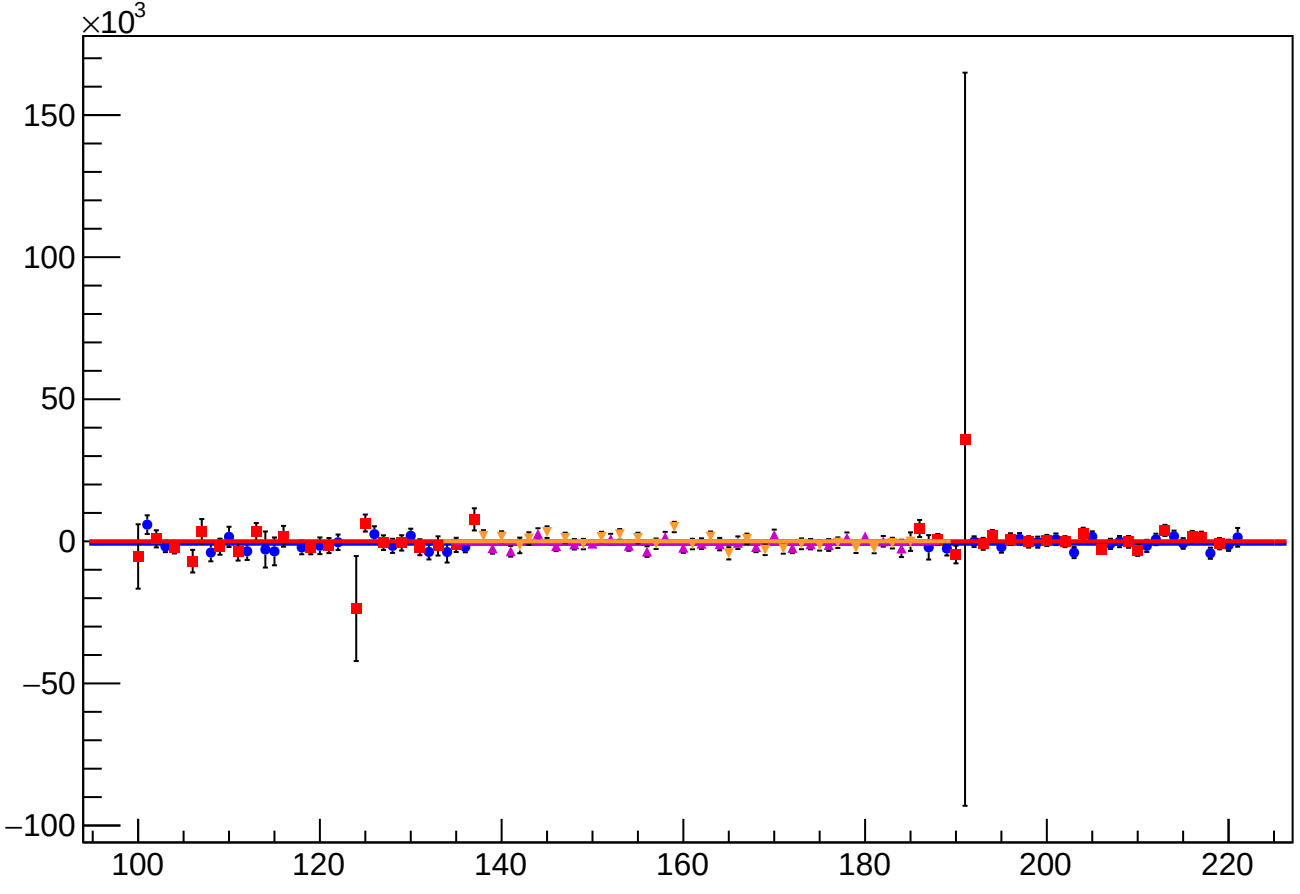
Right: 0.000+/-0.000 χ^2/NDF: 35965354.2/70

In: 0.000+/-0.000 χ^2/NDF:24807362.6/56

Out: 0.000+/-0.000 χ^2/NDF:18660127.2/61

All: 0.000+/-0.000 χ^2/NDF: 43854692.8/118

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: 38.720+/-405.116 χ^2/NDF: 39.0/36

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

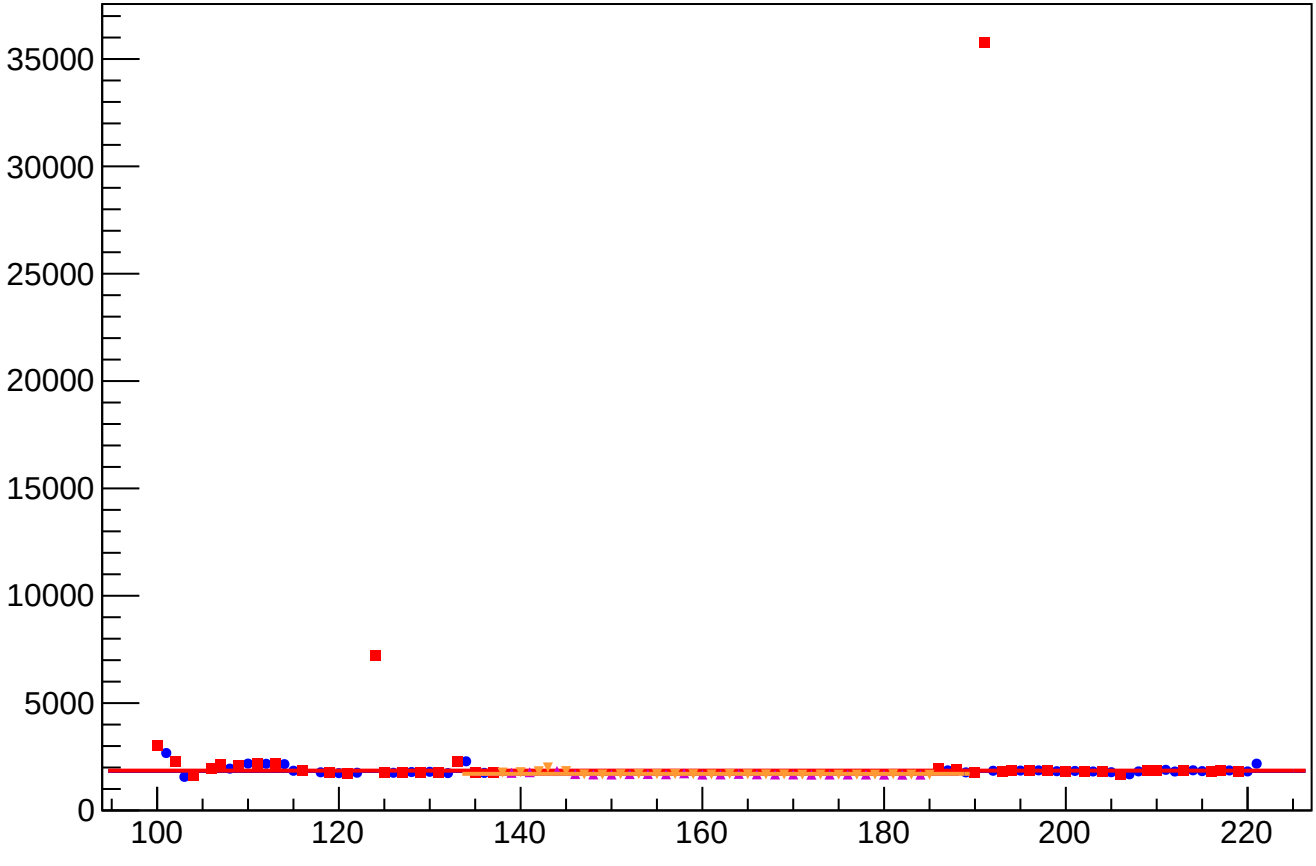
Right: -409.129+/-283.820 χ^2/NDF: 66.7/70

In: -779.973+/-280.790 χ^2/NDF:44.3/56

Out: 30.575+/-280.112 χ^2/NDF:68.5/61

All: -373.719+/-198.309 χ^2/NDF: 117.0/118

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: 1854.441+/-0.286 χ^2/NDF: 537097.0/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

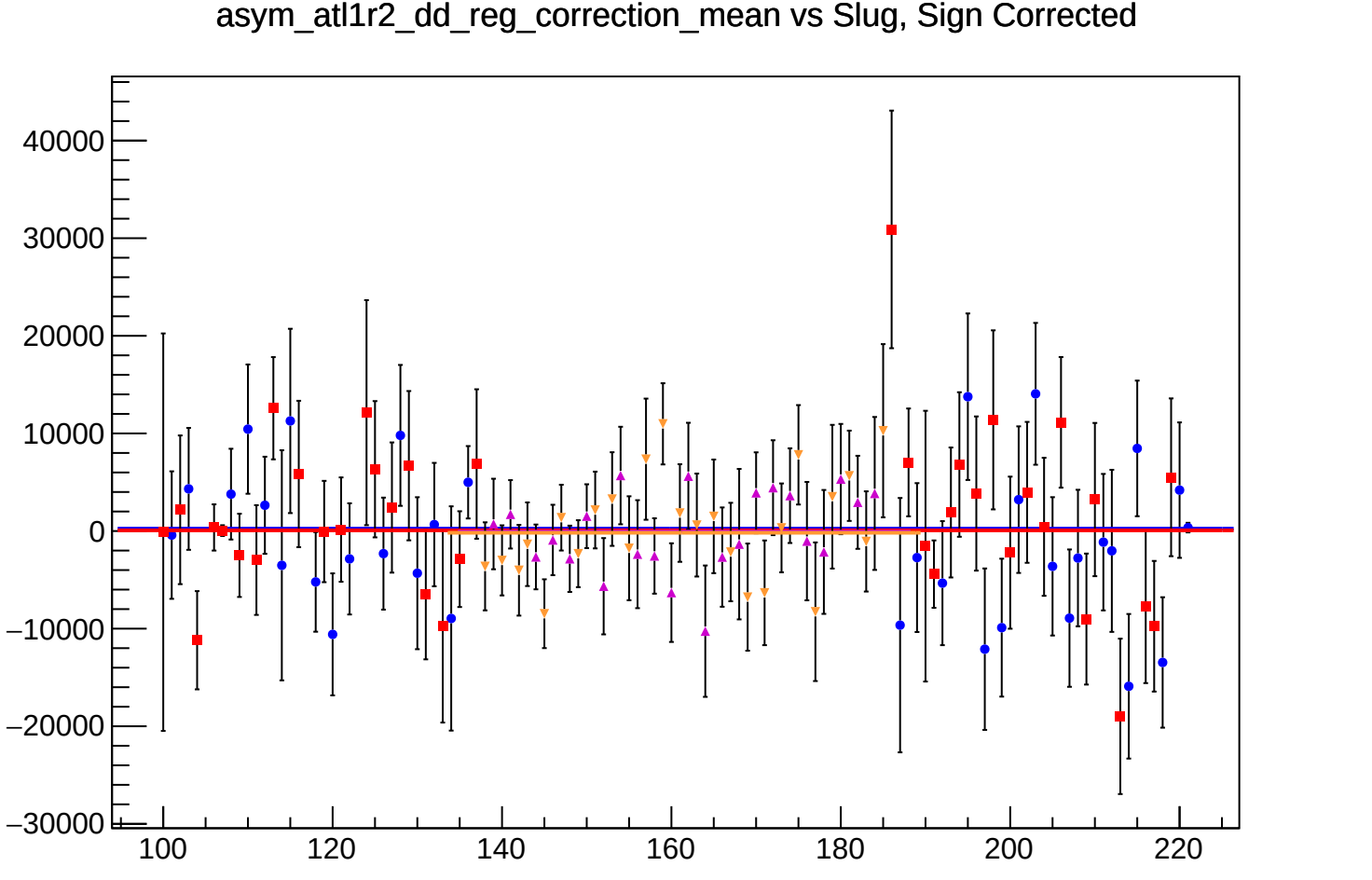
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1846.266+/-0.201 χ^2/NDF: 842505.7/70

In: 1767.713+/-0.199 χ^2/NDF:450779.2/56

Out: 1776.833+/-0.198 χ^2/NDF:737974.5/61

All: 1772.286+/-0.140 χ^2/NDF: 1189811.6/11



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: 69.315+/-482.575 χ^2/NDF: 44.7/36

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

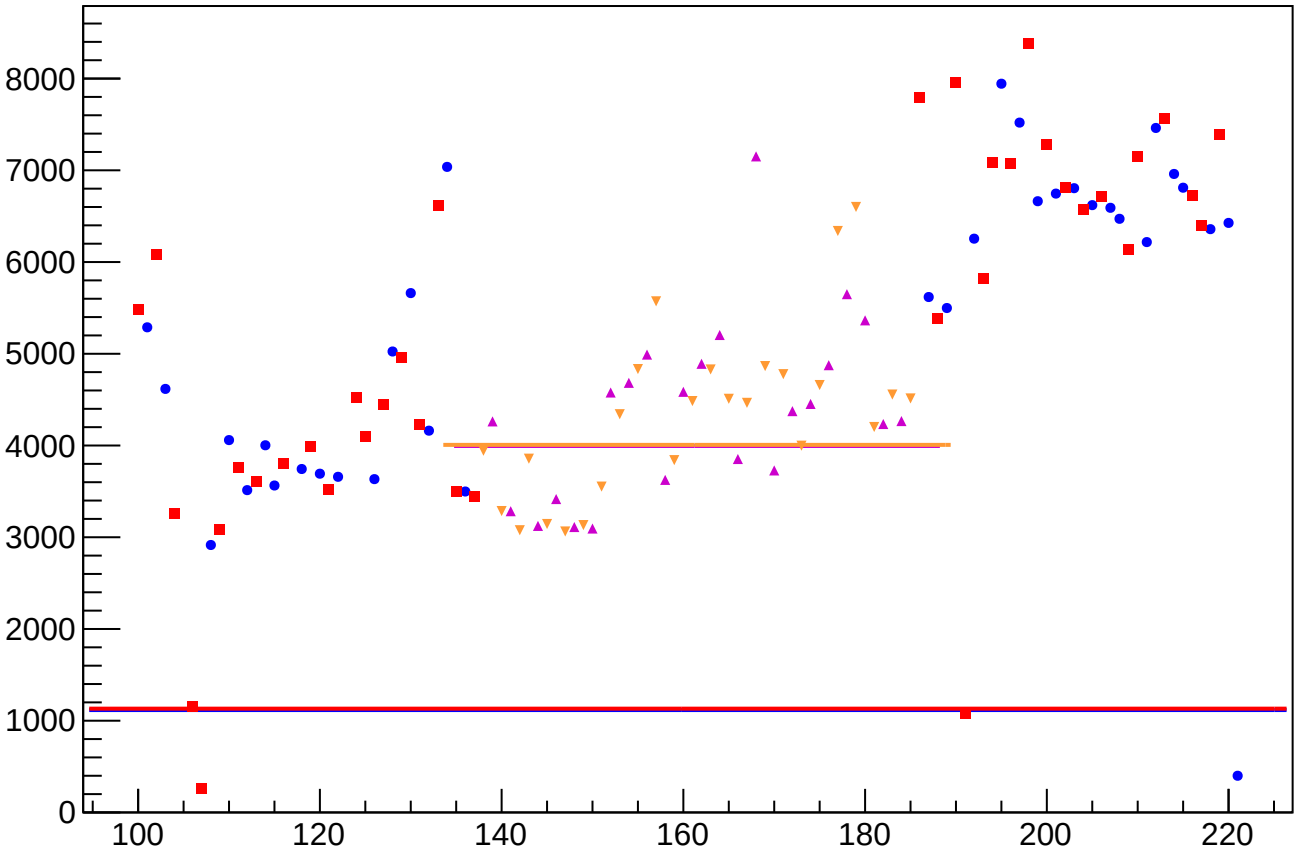
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 161.690+/-329.960 χ^2/NDF: 84.0/70

In: 188.123+/-408.788 χ^2/NDF:53.6/56

Out: 17.772+/-428.841 χ^2/NDF:72.7/61

All: 107.023+/-295.892 χ^2/NDF: 126.4/118



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: 1131.529+/-0.341 χ^2/NDF: 31103462.0/36

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

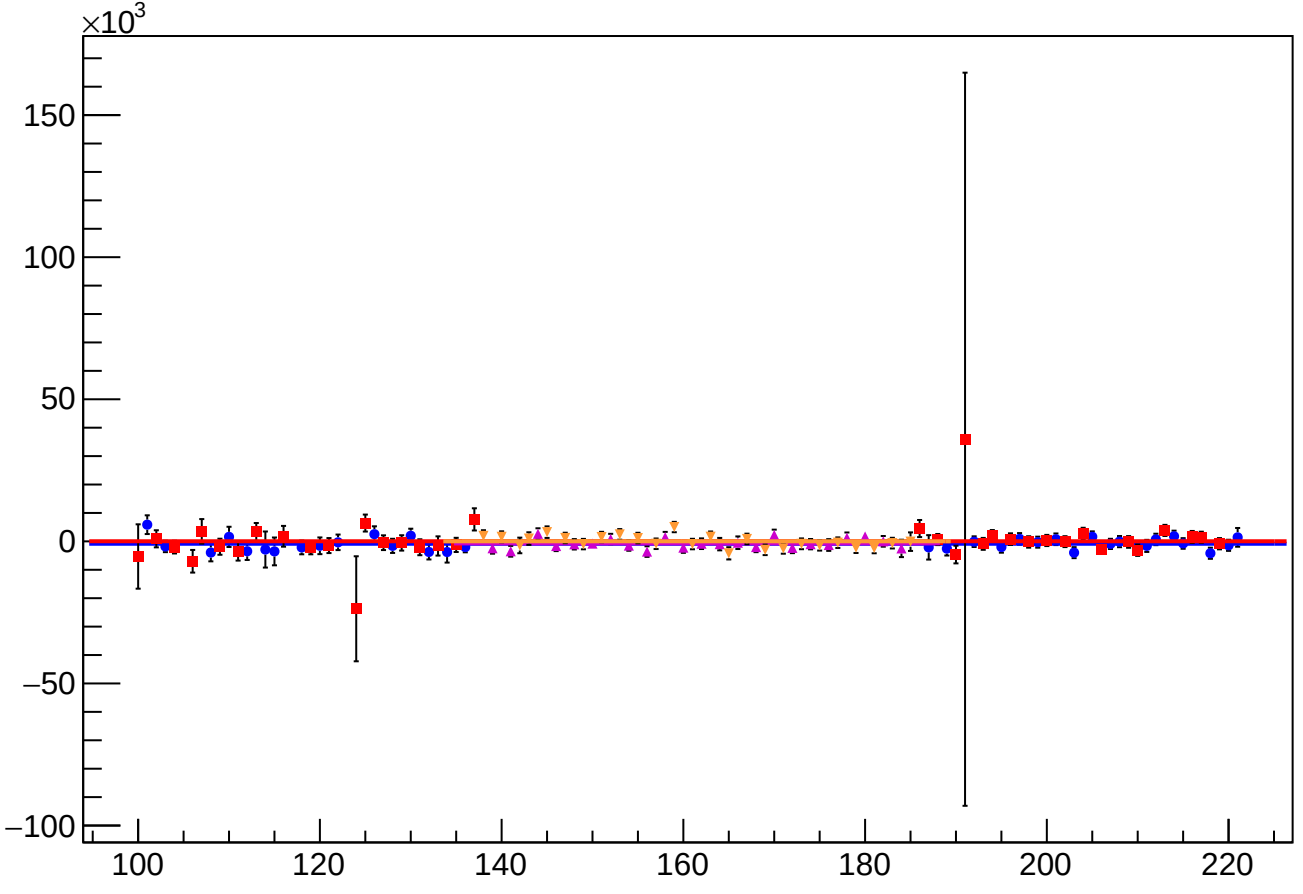
Right: 1123.391+/-0.233 χ^2/NDF: 62037666.7/70

In: 1642.177+/-0.289 χ^2/NDF:47280945.5/56

Out: 1736.238+/-0.303 χ^2/NDF:47540434.1/61

All: 1686.957+/-0.209 χ^2/NDF: 94871790.1/1

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: 38.567+/-405.116 χ^2/NDF: 39.1/36

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

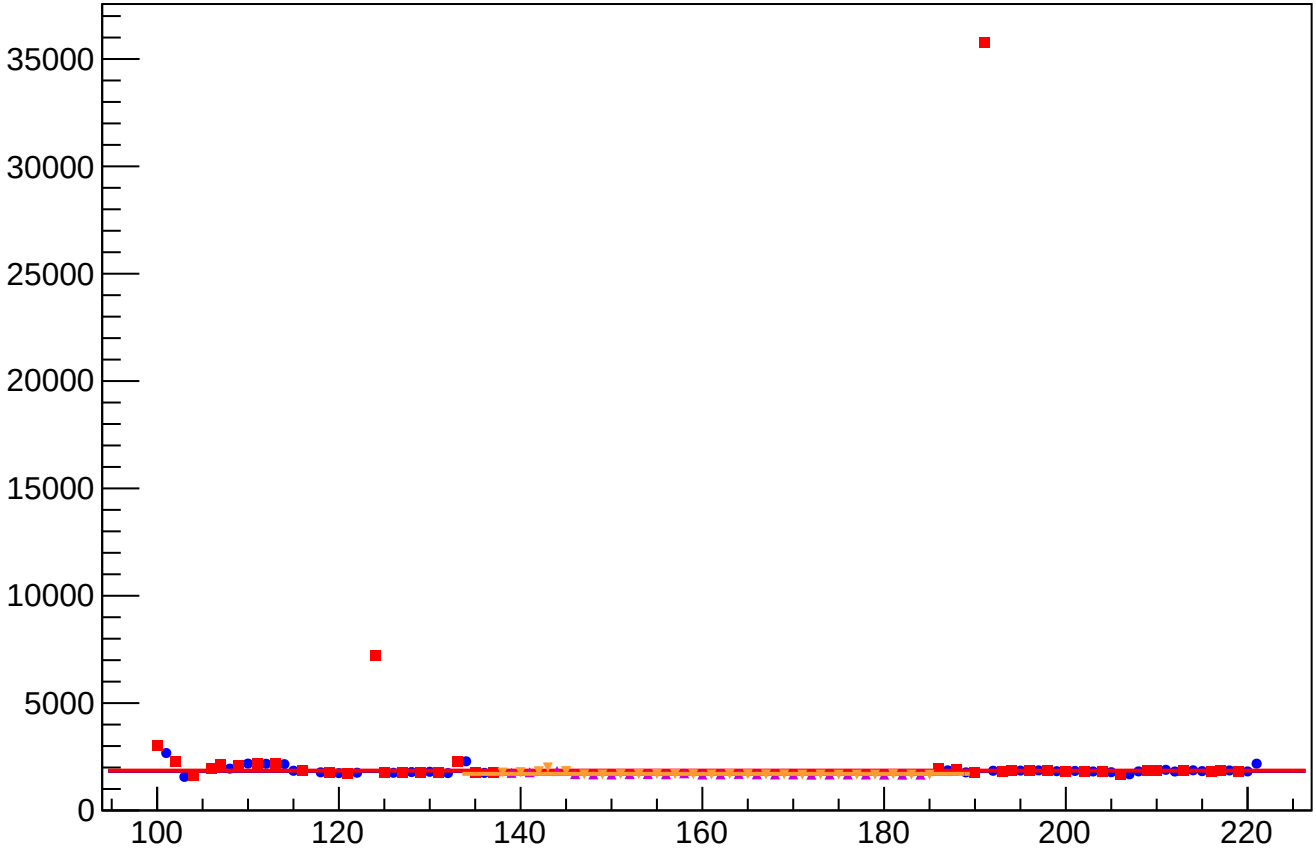
Right: -409.126+/-283.820 χ^2/NDF: 66.7/70

In: -779.834+/-280.790 χ^2/NDF:44.3/56

Out: 30.540+/-280.112 χ^2/NDF:68.5/61

All: -373.668+/-198.309 χ^2/NDF: 117.1/118

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

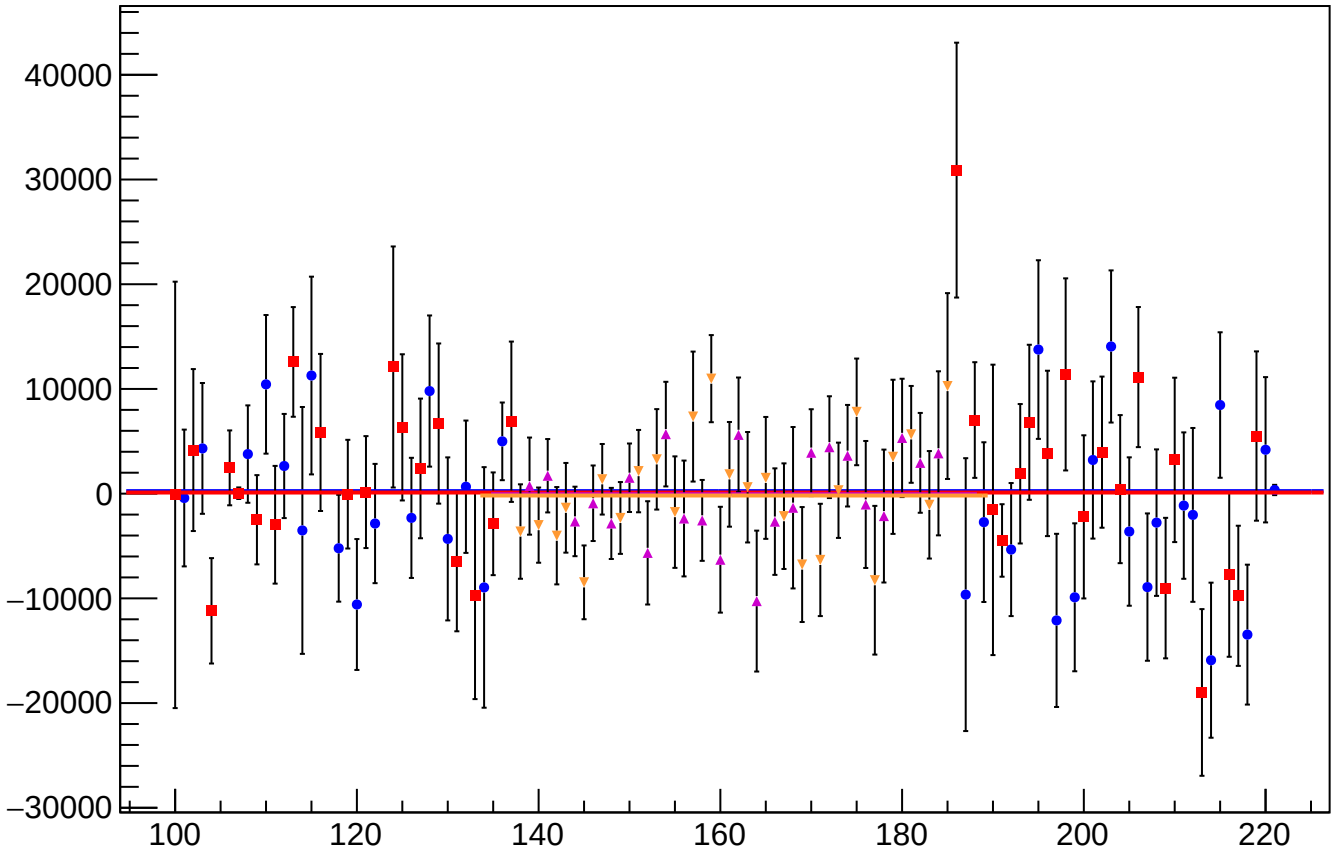
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1846.337+/-0.201 χ^2/NDF: 842881.6/70

In: 1767.713+/-0.199 χ^2/NDF:450778.6/56

Out: 1776.898+/-0.198 χ^2/NDF:738587.9/61

All: 1772.318+/-0.140 χ^2/NDF: 1190439.3/11



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: 107.940+/-488.327 χ^2/NDF: 45.4/36

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

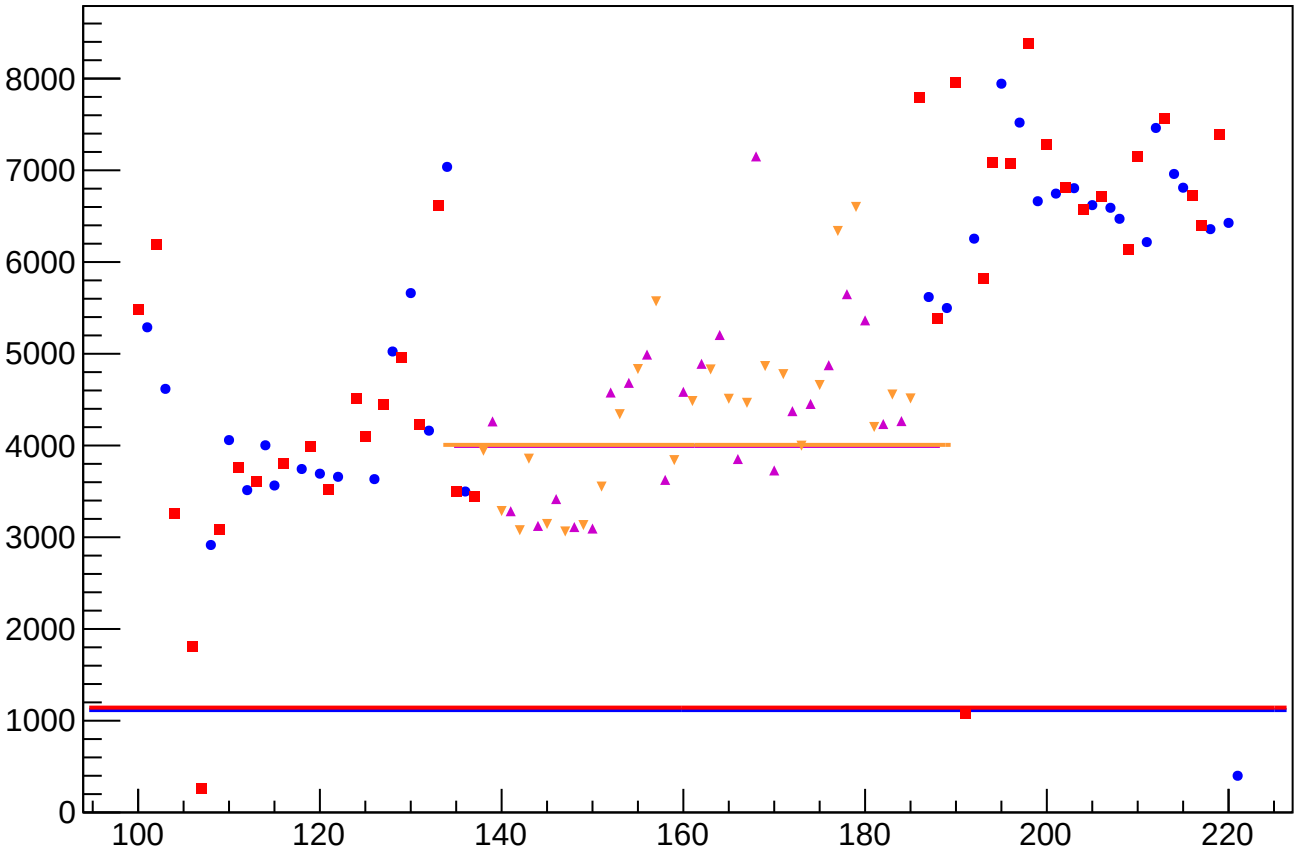
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 180.057+/-331.739 χ^2/NDF: 84.7/70

In: 187.396+/-408.709 χ^2/NDF:53.6/56

Out: 47.155+/-432.862 χ^2/NDF:73.4/61

All: 121.297+/-297.173 χ^2/NDF: 127.1/118



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: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

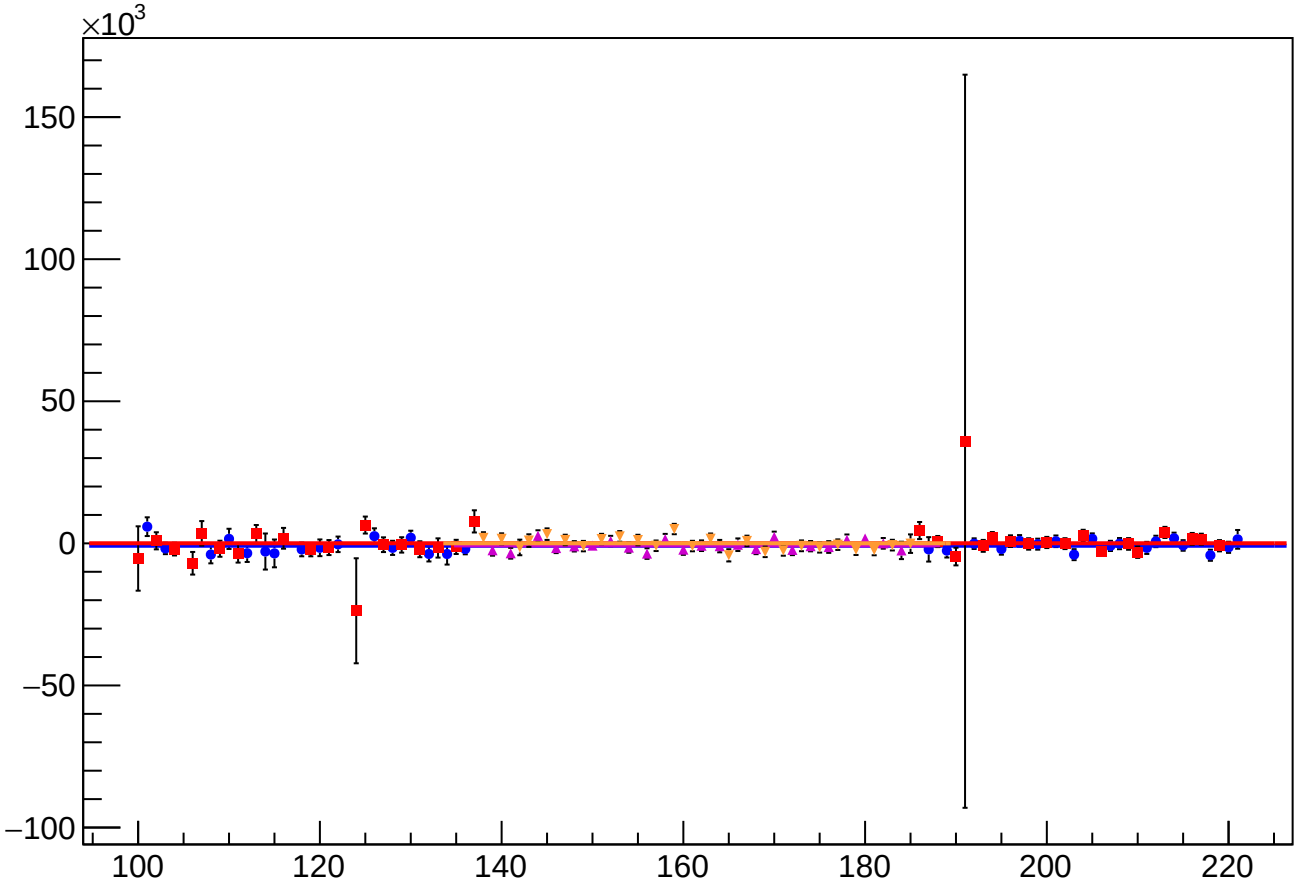
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1128.328+/-0.235 χ^2/NDF: 62126504.1/70

In: 1641.617+/-0.289 χ^2/NDF:47290426.4/56

Out: 1756.593+/-0.306 χ^2/NDF:47430702.3/61

All: 1695.808+/-0.210 χ^2/NDF: 94795728.3/1



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: 38.567+/-405.116 χ^2/NDF: 39.1/36

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

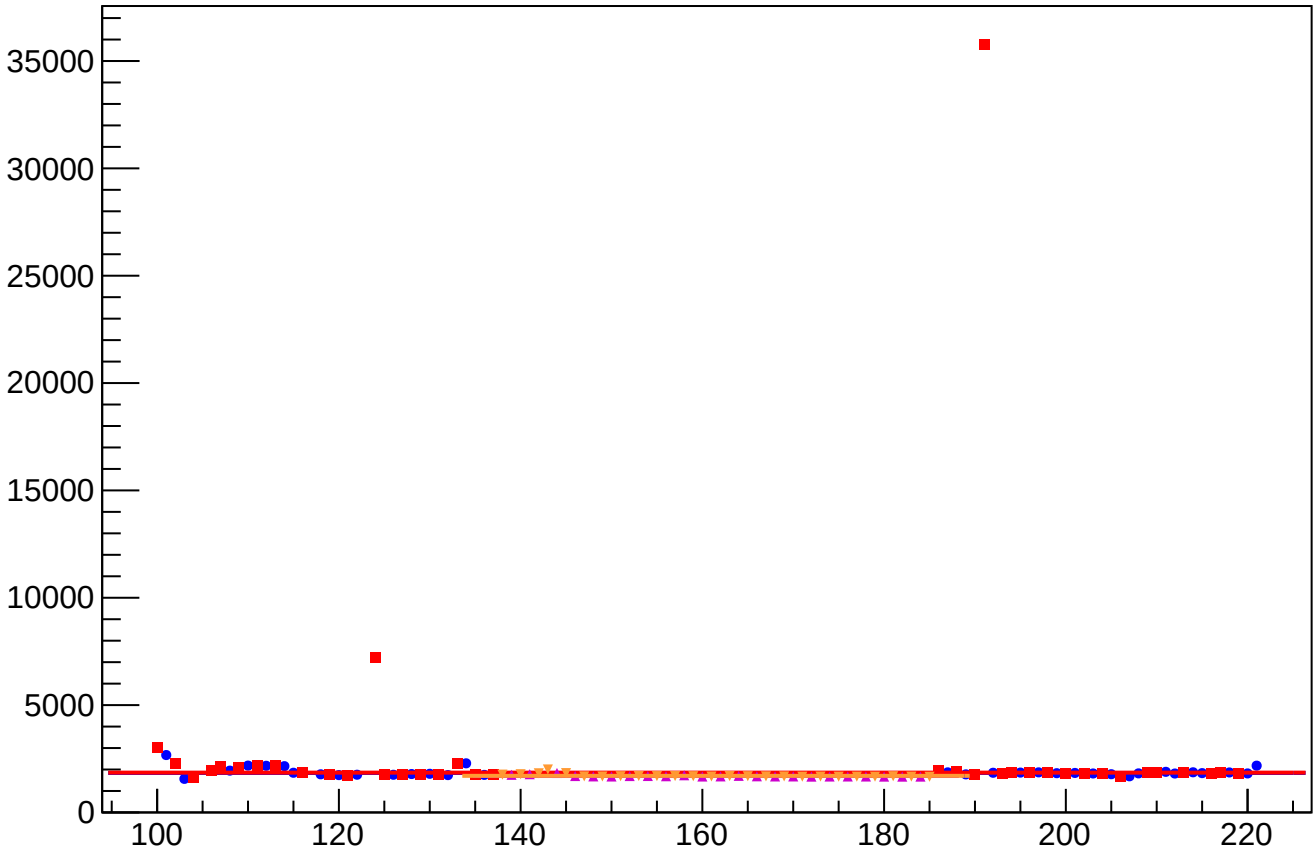
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -409.126+/-283.820 χ^2/NDF: 66.7/70

In: -779.834+/-280.790 χ^2/NDF:44.3/56

Out: 30.540+/-280.112 χ^2/NDF:68.5/61

All: -373.668+/-198.309 χ^2/NDF: 117.1/118



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: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

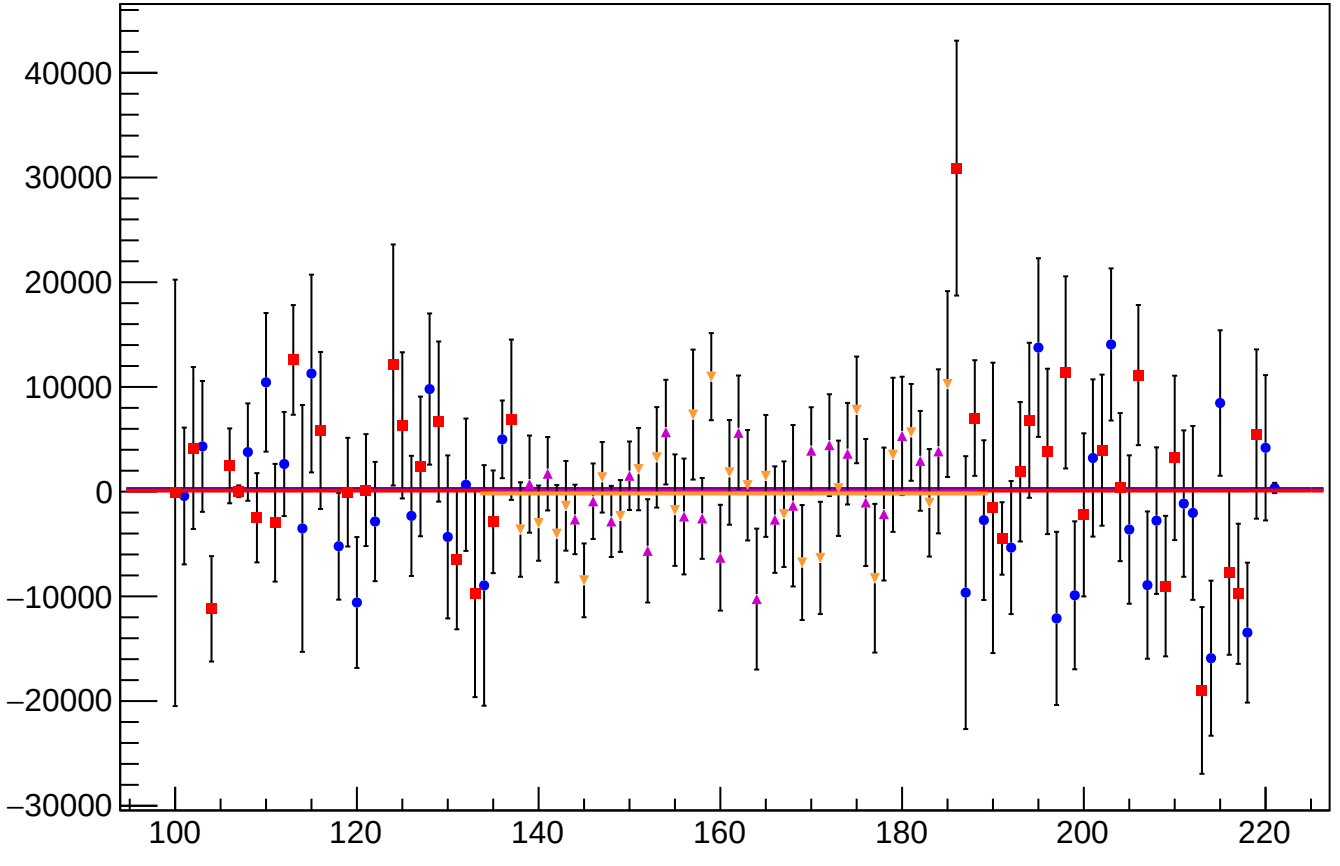
Right: 1846.337+/-0.201 χ^2/NDF: 842881.6/70

In: 1767.713+/-0.199 χ^2/NDF:450778.6/56

Out: 1776.898+/-0.198 χ^2/NDF:738587.9/61

All: 1772.318+/-0.140 χ^2/NDF: 1190439.3/11

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: 107.940+/-488.327 χ^2/NDF: 45.4/36

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

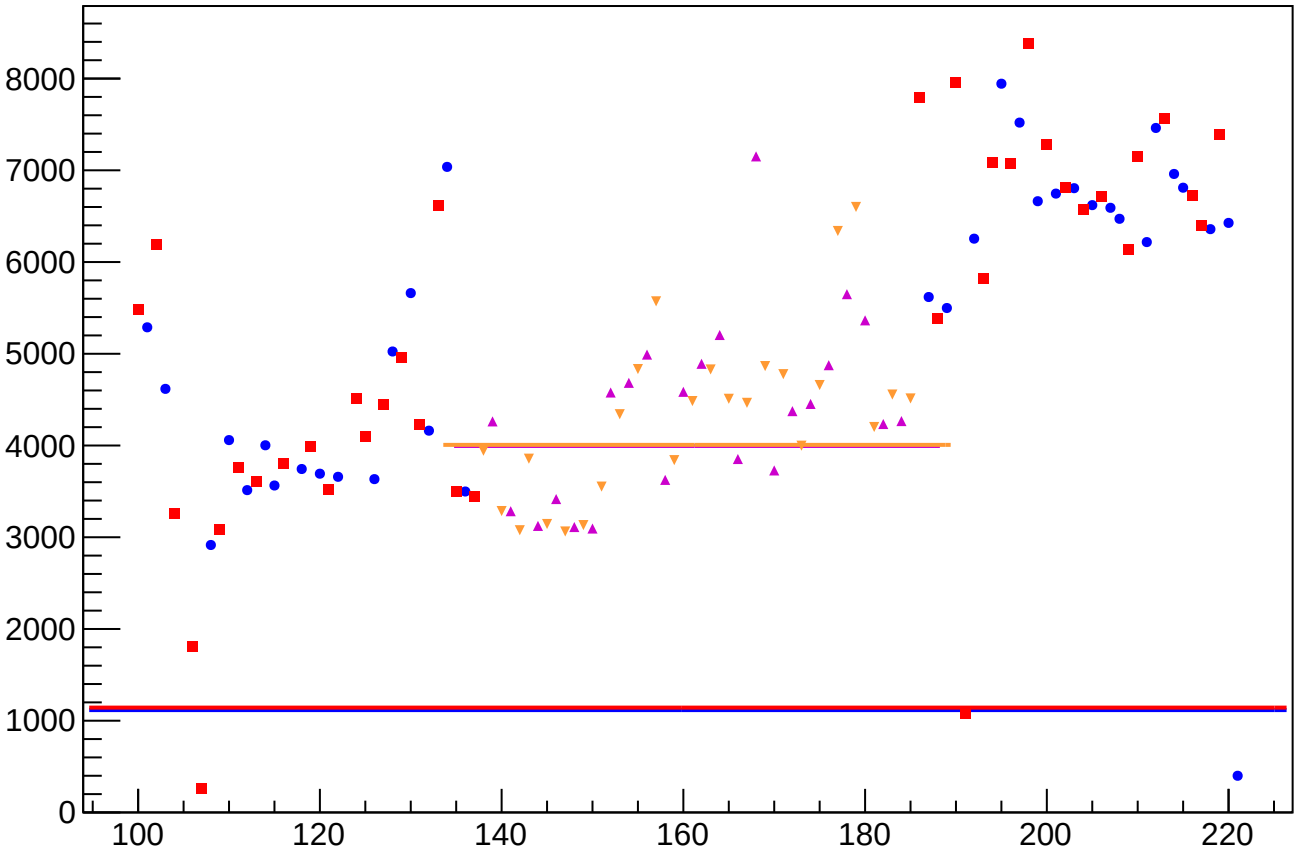
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 180.057+/-331.739 χ^2/NDF: 84.7/70

In: 187.396+/-408.709 χ^2/NDF:53.6/56

Out: 47.155+/-432.862 χ^2/NDF:73.4/61

All: 121.297+/-297.173 χ^2/NDF: 127.1/118



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: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

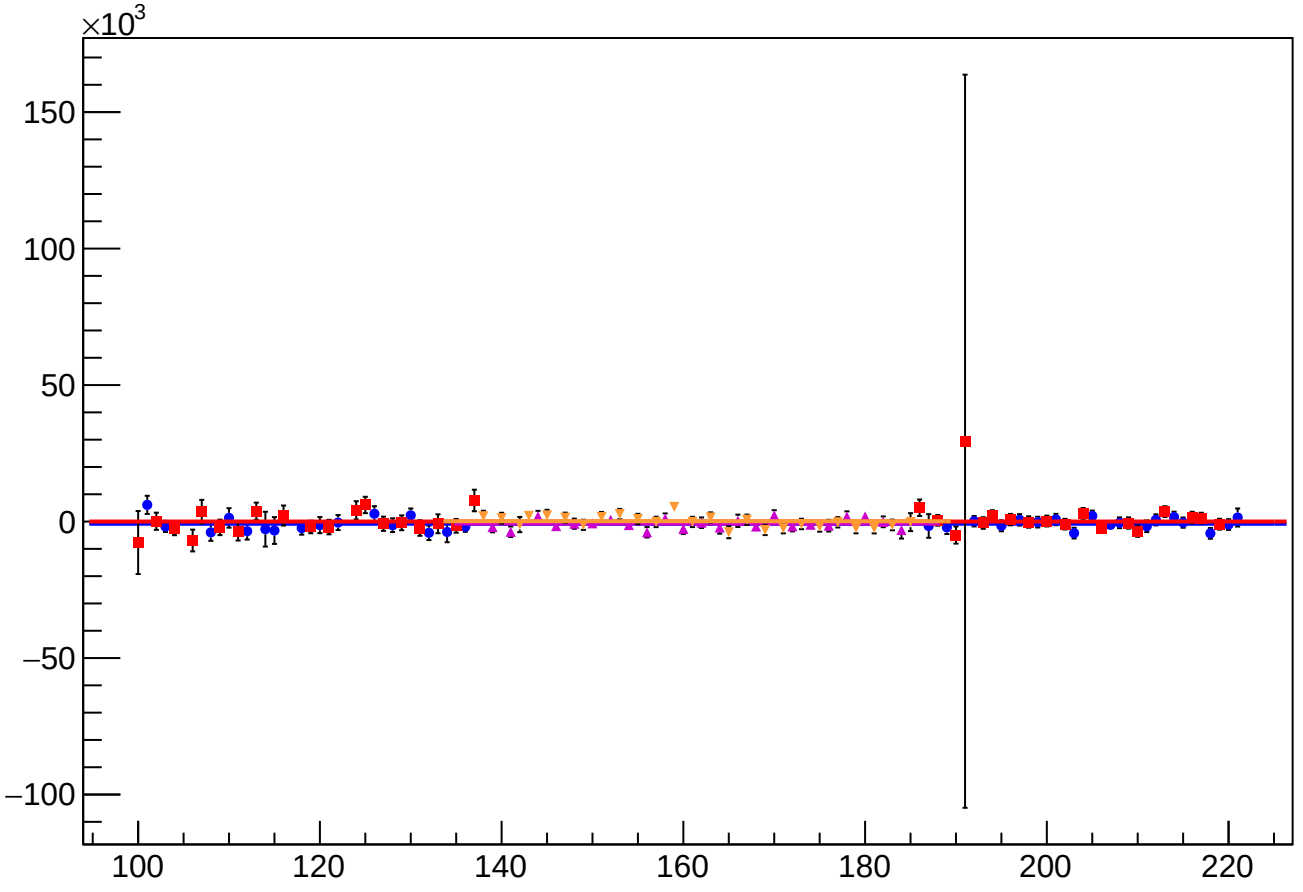
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1128.328+/-0.235 χ^2/NDF: 62126504.1/70

In: 1641.617+/-0.289 χ^2/NDF:47290426.4/56

Out: 1756.593+/-0.306 χ^2/NDF:47430702.3/61

All: 1695.808+/-0.210 χ^2/NDF: 94795728.3/1



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: 11.621+/-406.717 χ^2/NDF: 40.5/36

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

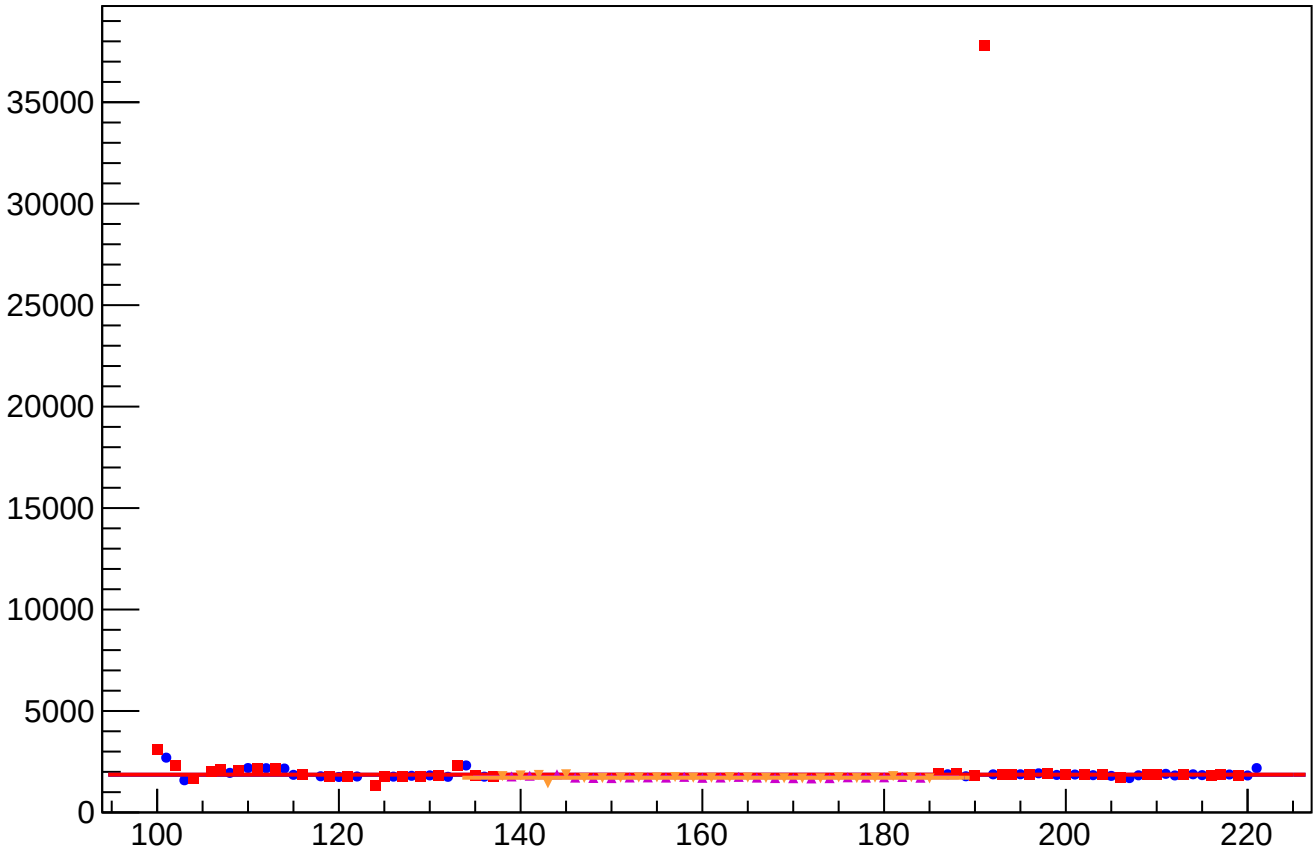
Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

Right: -400.292+/-285.682 χ^2/NDF: 69.0/70

In: -771.525+/-284.792 χ^2/NDF:45.5/56

Out: 68.137+/-281.292 χ^2/NDF:70.2/61

All: -346.502+/-200.130 χ^2/NDF: 120.1/118



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: 1863.247+/-0.288 χ^2/NDF: 431906.0/36

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

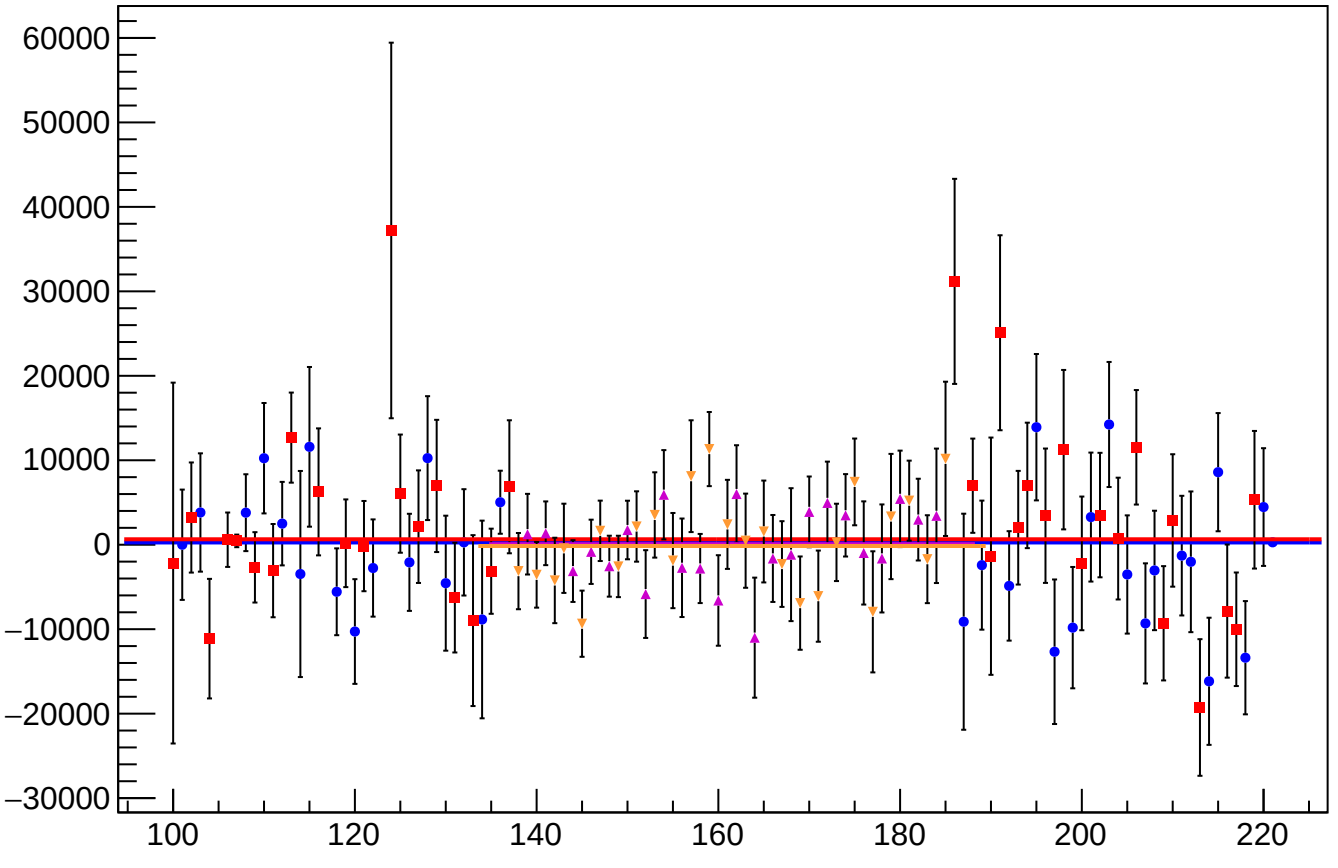
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1859.060+/-0.202 χ^2/NDF: 734398.5/70

In: 1793.093+/-0.201 χ^2/NDF:420911.2/56

Out: 1784.529+/-0.199 χ^2/NDF:670038.4/61

All: 1788.757+/-0.142 χ^2/NDF: 1091865.2/11



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: 645.306+/-619.350 χ^2/NDF: 46.5/36

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

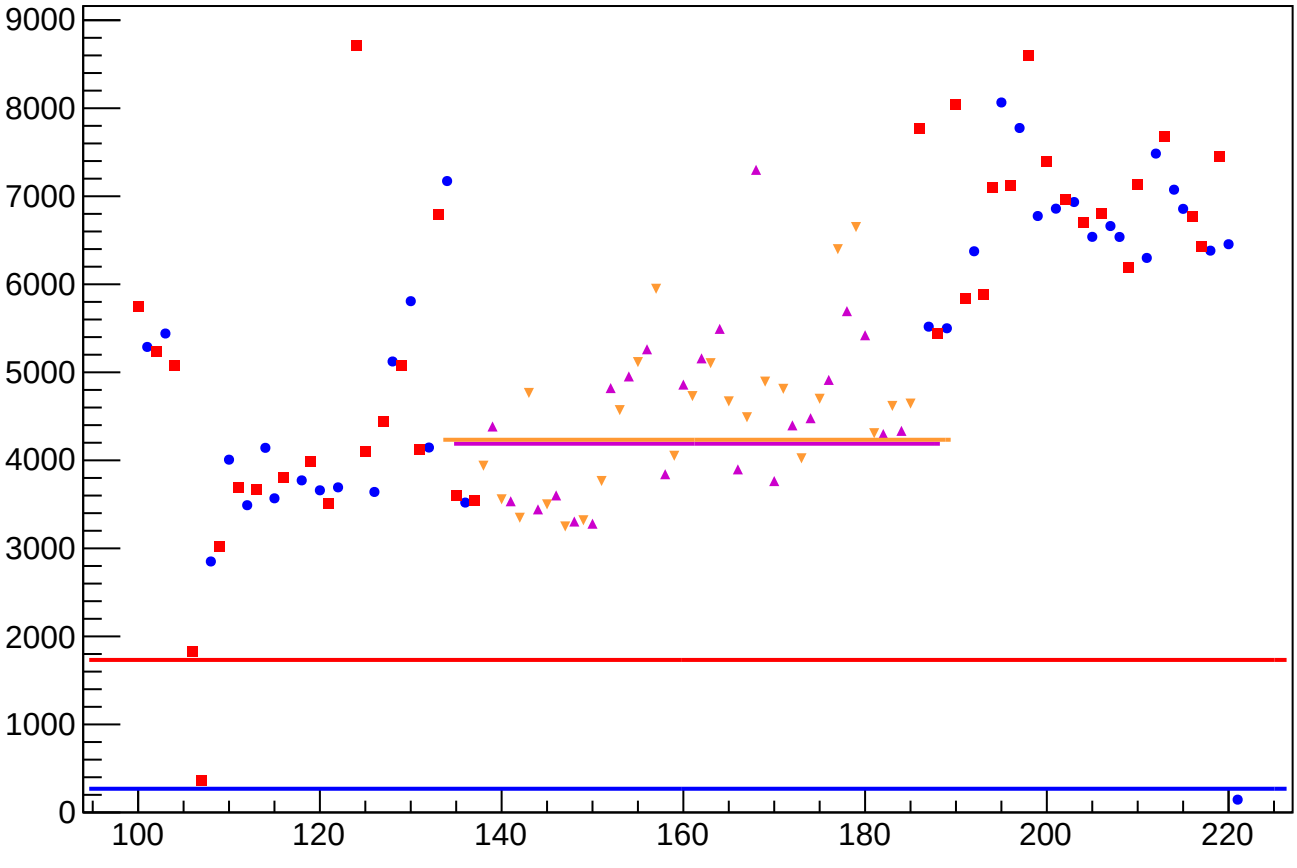
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 298.916+/-176.235 χ^2/NDF: 85.7/70

In: 261.756+/-180.805 χ^2/NDF:52.9/56

Out: 419.909+/-524.312 χ^2/NDF:73.8/61

All: 278.565+/-170.927 χ^2/NDF: 126.8/118



Right In: 269.236+/-0.130 χ^2/NDF: 38831078.0/33

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1732.683+/-0.438 χ^2/NDF: 27145805.5/36

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

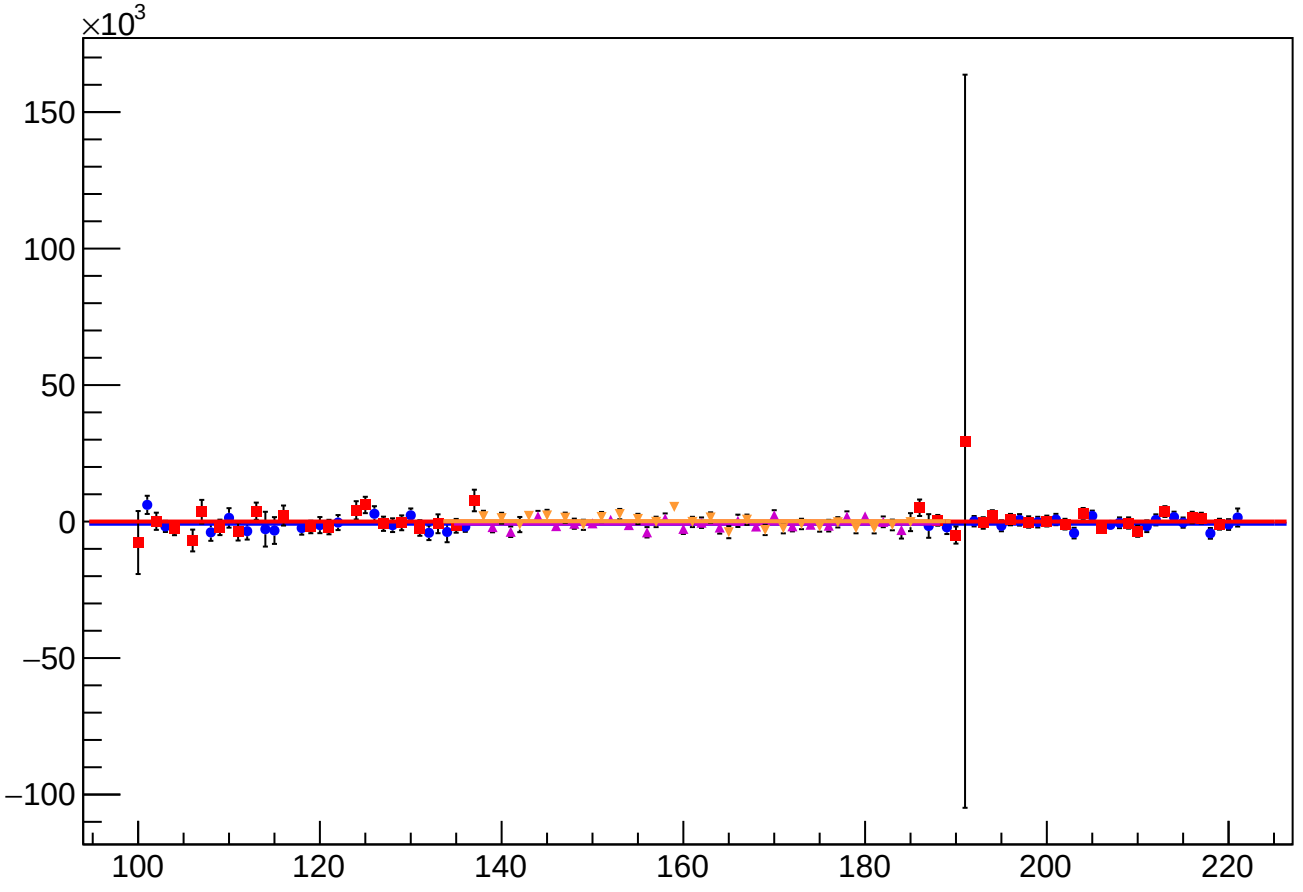
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 387.728+/-0.125 χ^2/NDF: 76239123.5/70

In: 397.344+/-0.128 χ^2/NDF:69892205.6/56

Out: 2441.401+/-0.371 χ^2/NDF:37672971.4/61

All: 614.582+/-0.121 χ^2/NDF: 134731989.2/1



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: 11.620+/-406.717 χ^2/NDF: 40.5/36

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

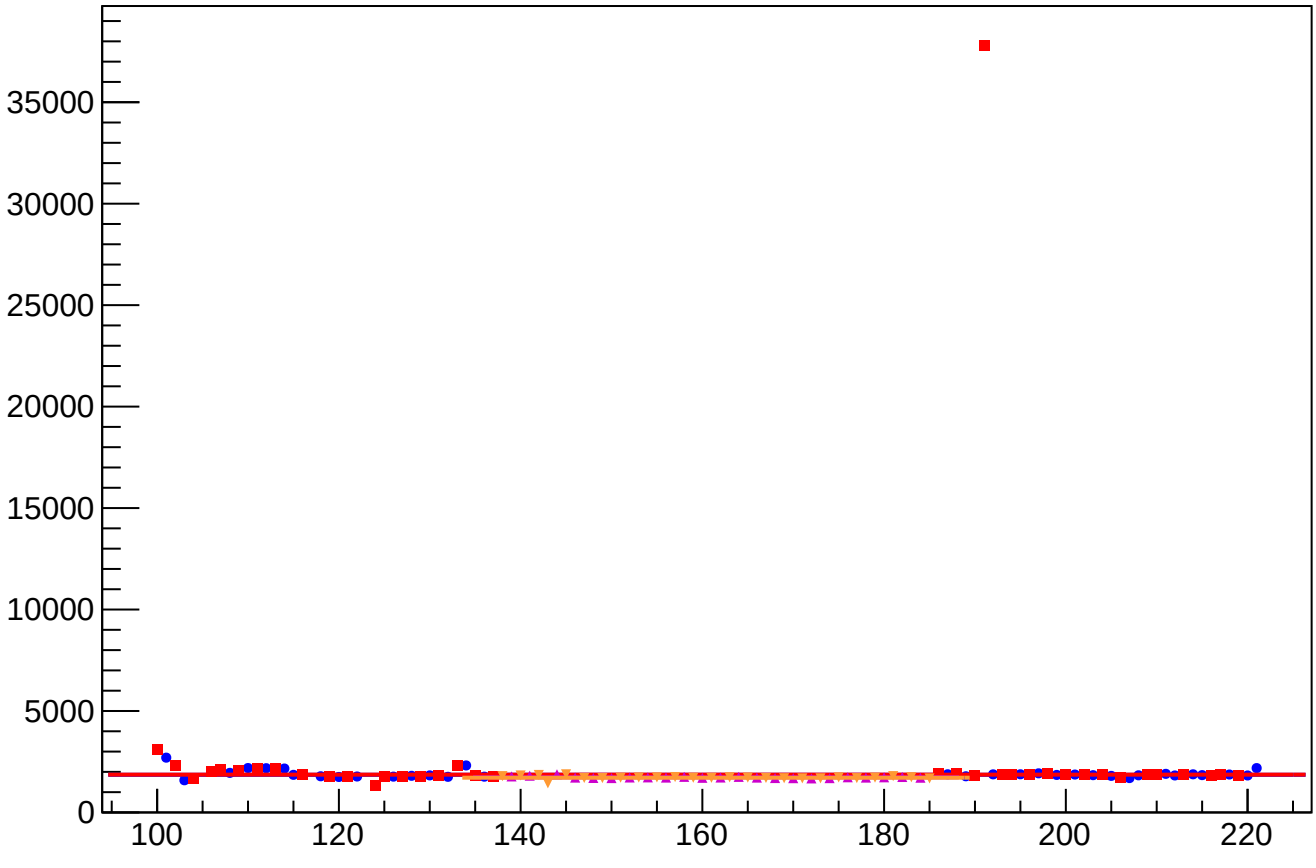
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -400.290+/-285.682 χ^2/NDF: 69.0/70

In: -771.522+/-284.792 χ^2/NDF:45.5/56

Out: 68.138+/-281.292 χ^2/NDF:70.2/61

All: -346.500+/-200.130 χ^2/NDF: 120.1/118



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: 1863.247+/-0.288 χ^2/NDF: 431906.2/36

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

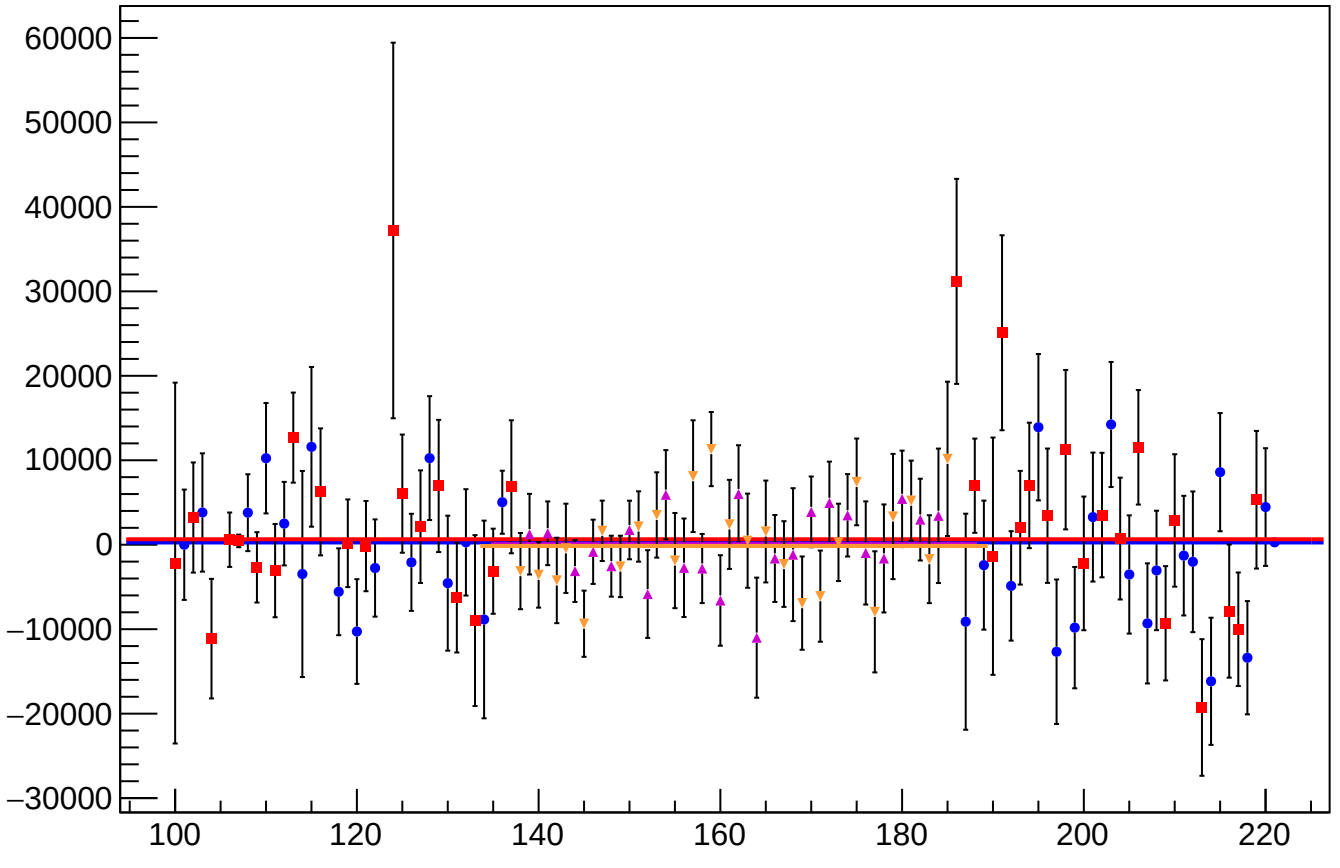
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1859.060+/-0.202 χ^2/NDF: 734398.7/70

In: 1793.093+/-0.201 χ^2/NDF:420910.2/56

Out: 1784.529+/-0.199 χ^2/NDF:670036.9/61

All: 1788.758+/-0.142 χ^2/NDF: 1091862.6/11



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: 645.316+/-619.359 χ^2/NDF: 46.5/36

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

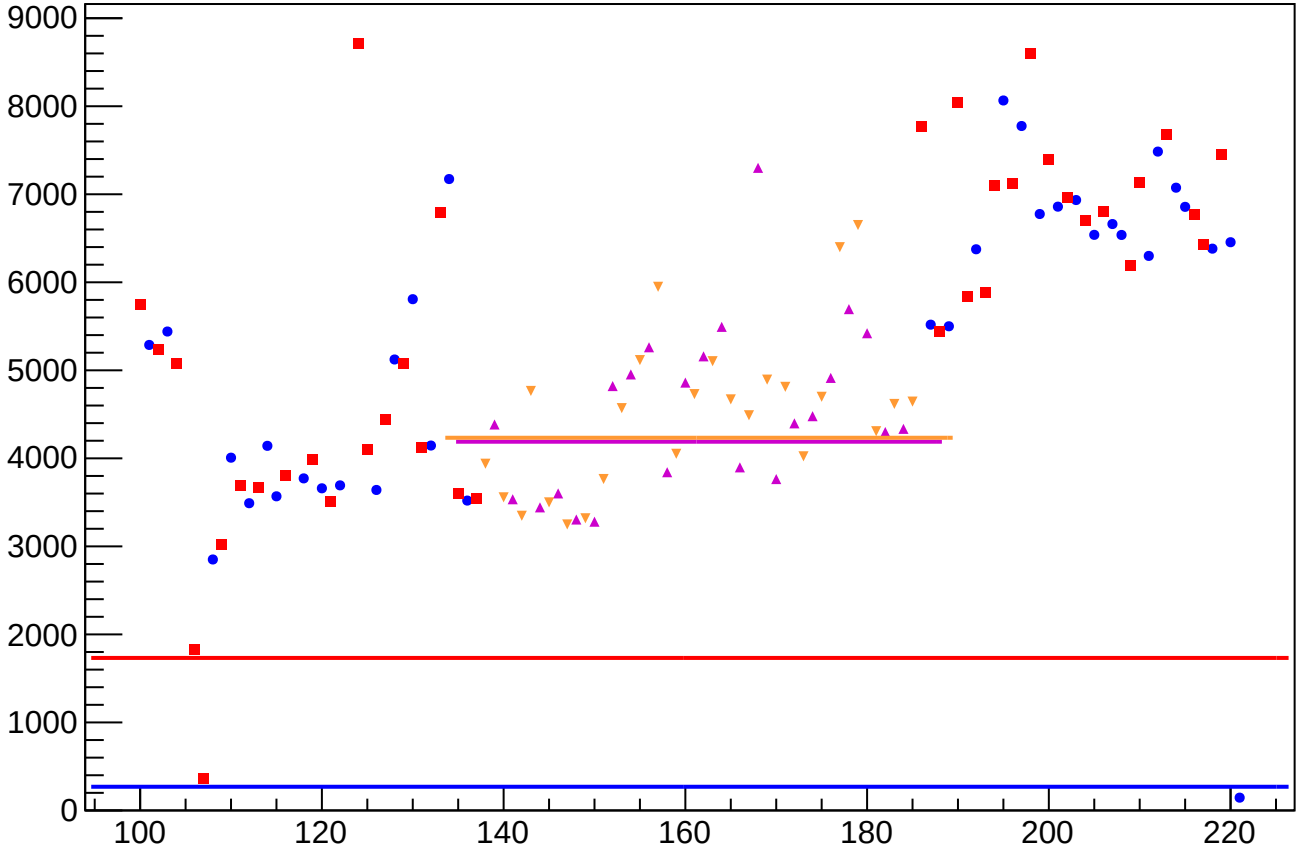
Right: 298.922+/-176.238 χ^2/NDF: 85.7/70

In: 261.761+/-180.808 χ^2/NDF:52.9/56

Out: 419.912+/-524.318 χ^2/NDF:73.8/61

All: 278.569+/-170.930 χ^2/NDF: 126.8/118

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: 1732.728+/-0.438 χ^2/NDF: 27145437.3/36

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

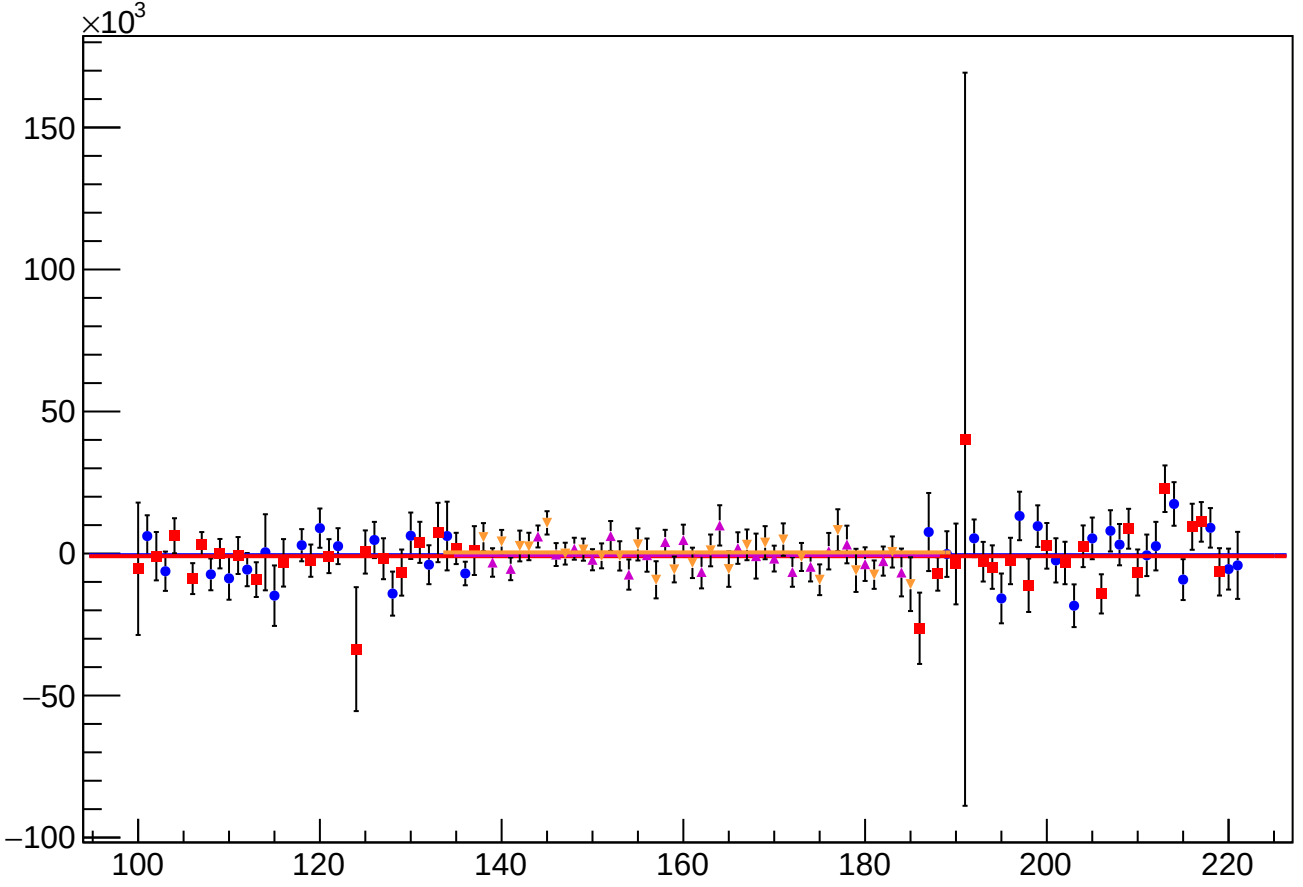
Right: 387.738+/-0.125 χ^2/NDF: 76238934.0/70

In: 397.354+/-0.128 χ^2/NDF:69892015.8/56

Out: 2441.449+/-0.371 χ^2/NDF:37672214.7/61

All: 614.598+/-0.121 χ^2/NDF: 134731426.3/1

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: -946.487+/-1199.098 χ^2/NDF: 37.6/36

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

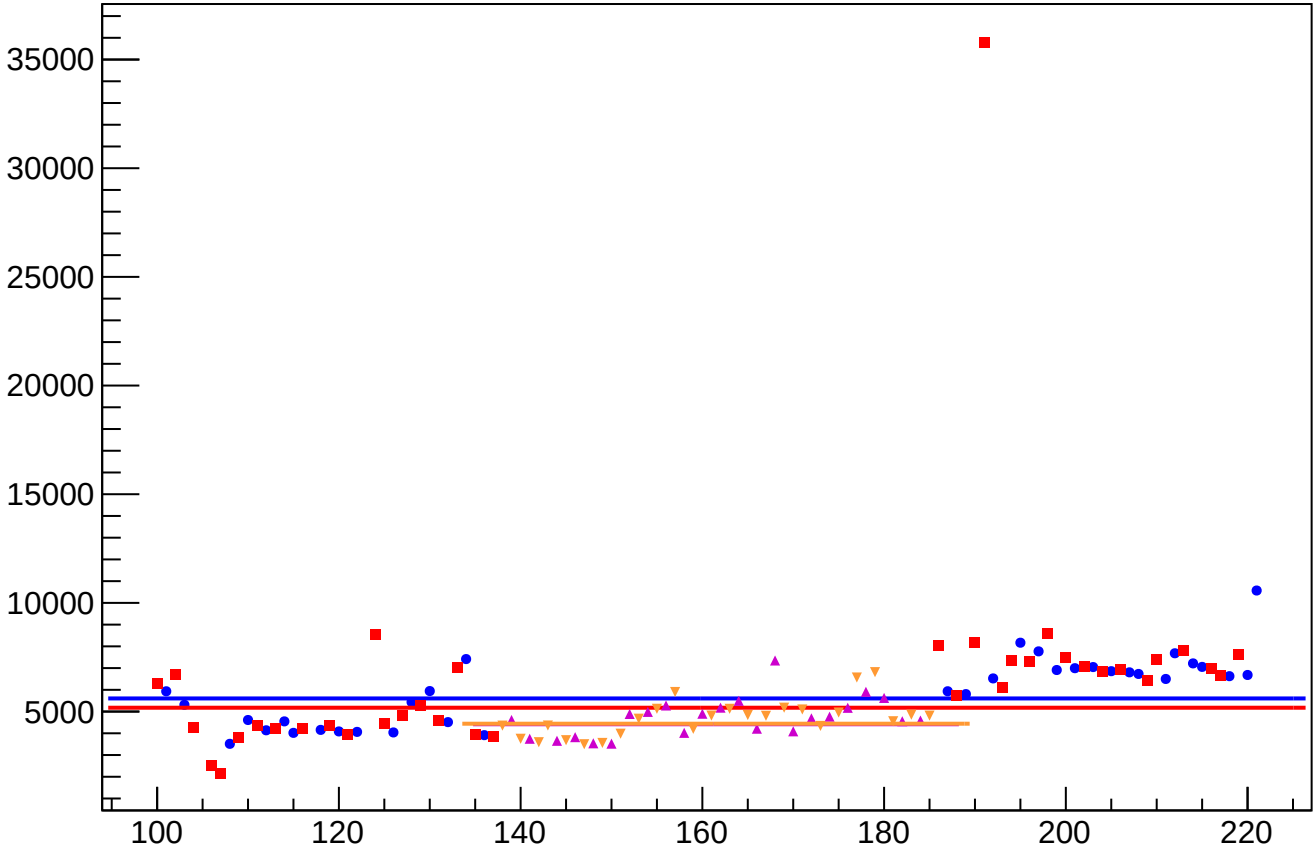
Right: -770.707+/-862.889 χ^2/NDF: 80.6/70

In: -535.859+/-801.893 χ^2/NDF:60.2/56

Out: -171.640+/-780.640 χ^2/NDF:63.1/61

All: -348.859+/-559.358 χ^2/NDF: 123.4/118

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: 5176.324+/-0.843 χ^2/NDF: 4579174.2/36

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

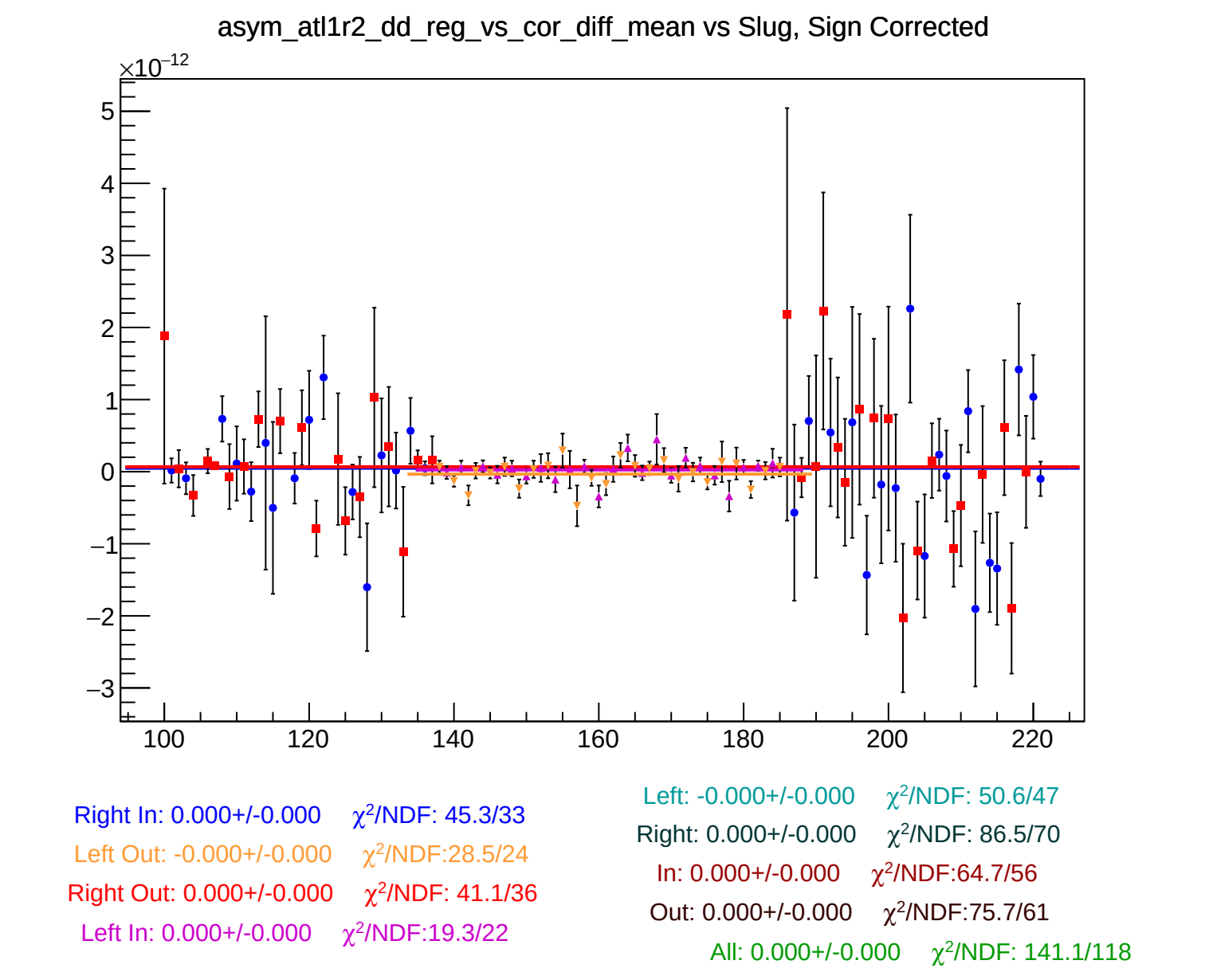
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

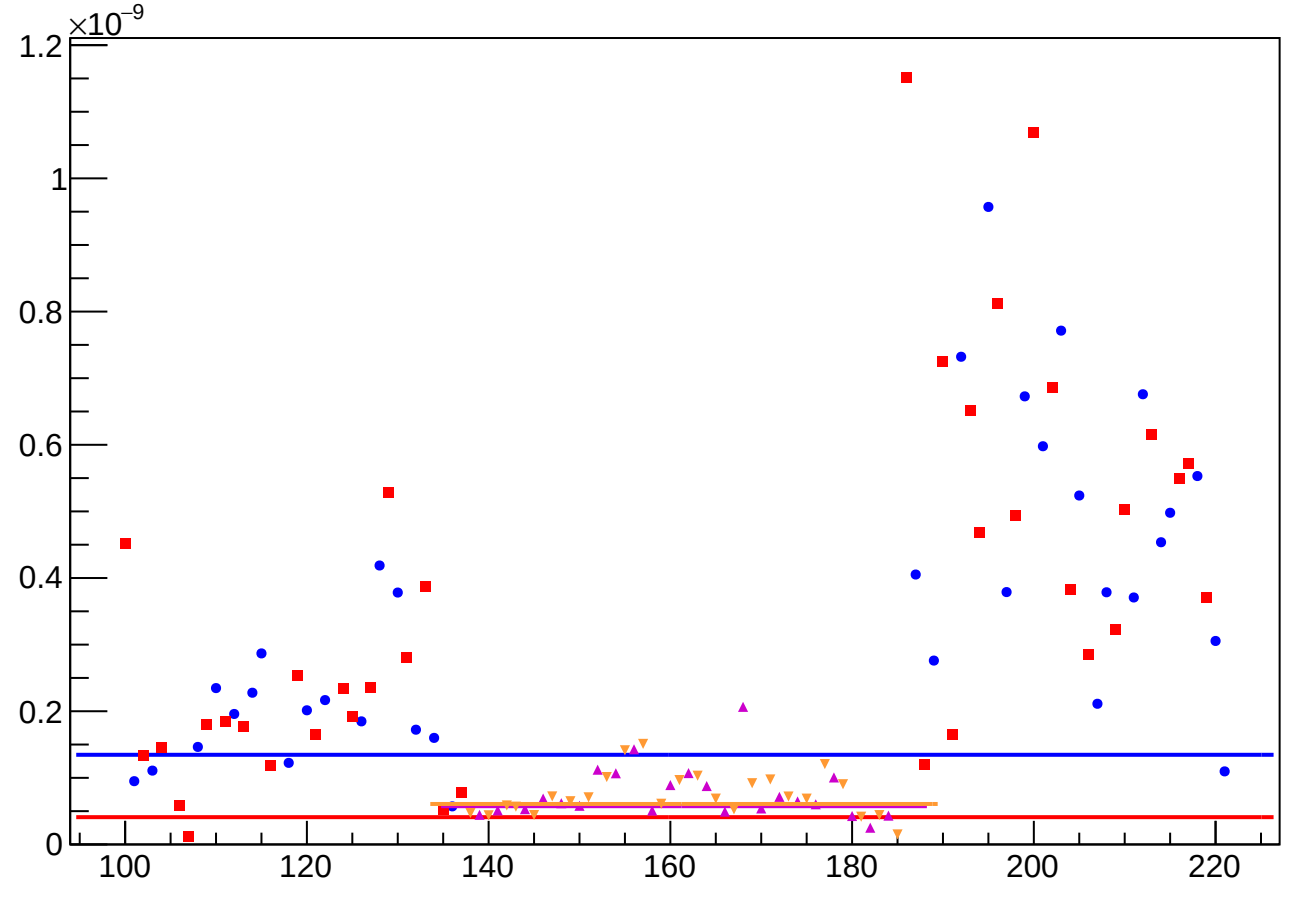
Right: 5381.052+/-0.608 χ^2/NDF: 7565962.6/70

In: 4910.142+/-0.567 χ^2/NDF:5042197.6/56

Out: 4754.705+/-0.551 χ^2/NDF:6088865.1/61

All: 4830.138+/-0.395 χ^2/NDF: 11169740.8/1


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: 41.1/36
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: 86.5/70
In: 0.000+/-0.000 χ²/NDF:64.7/56
Out: 0.000+/-0.000 χ²/NDF:75.7/61
All: 0.000+/-0.000 χ²/NDF: 141.1/118



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: 13918385.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

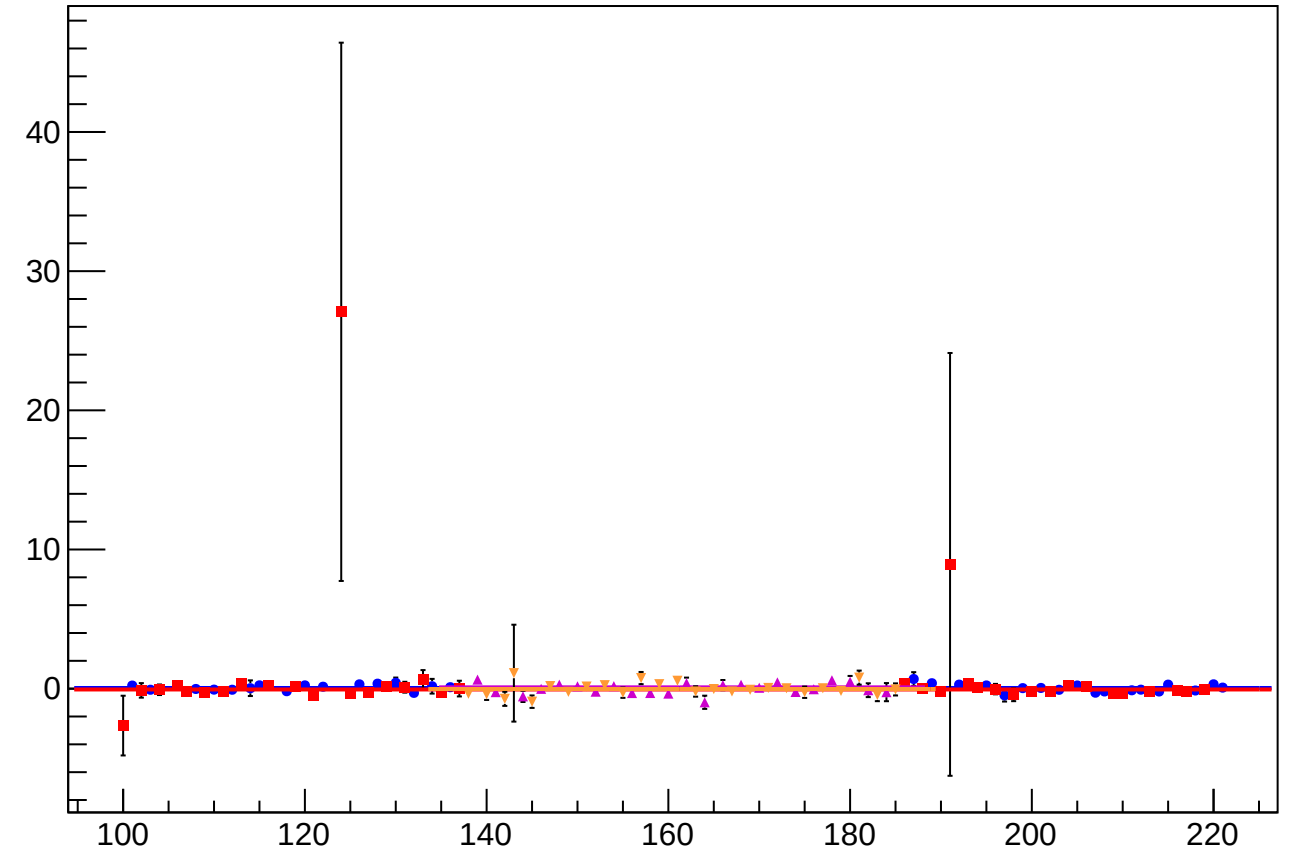
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 25652700.3/70

In: 0.000+/-0.000 χ^2/NDF:12717913.4/56

Out: 0.000+/-0.000 χ^2/NDF:16110183.4/61

All: 0.000+/-0.000 χ^2/NDF: 29282253.2/118



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: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

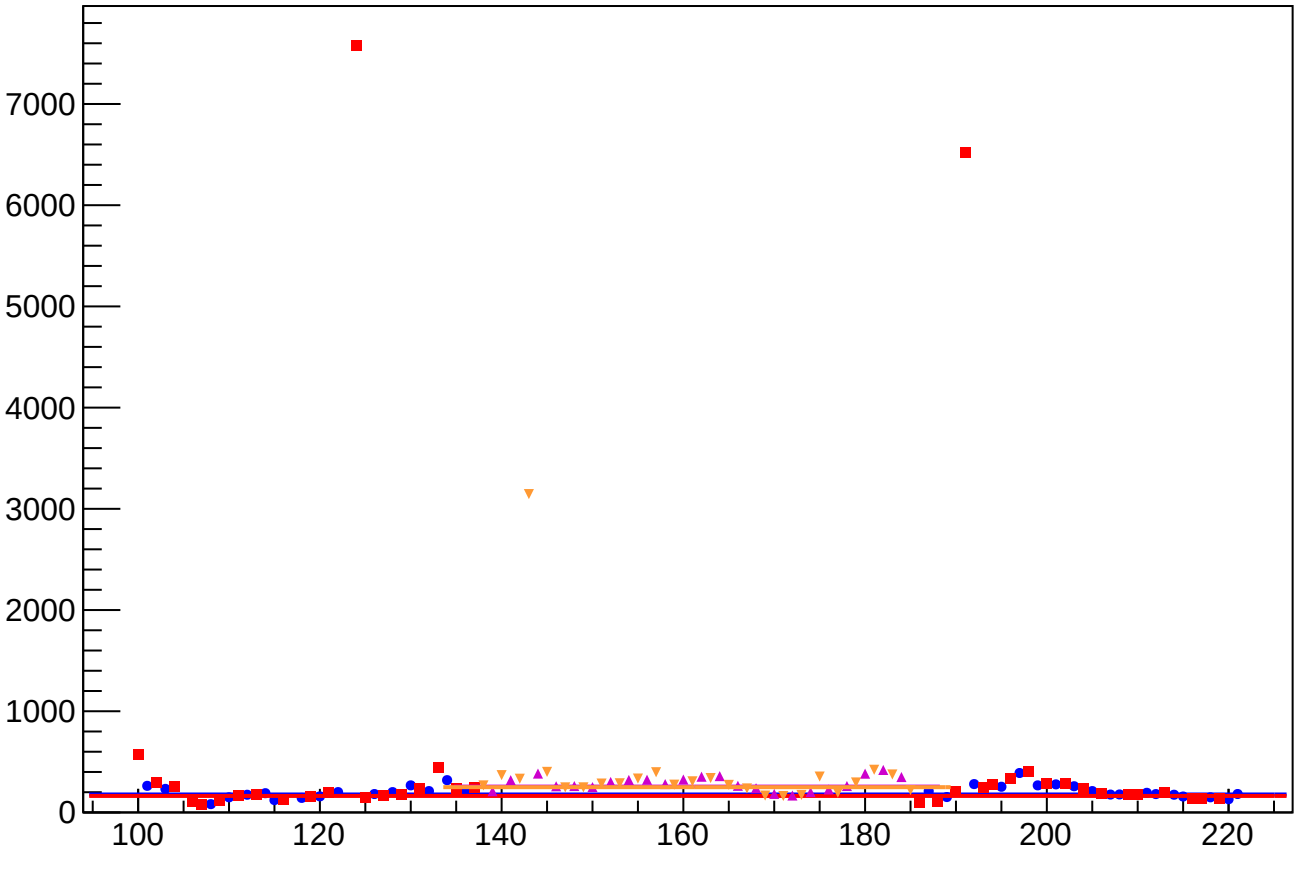
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.007+/-0.028 χ^2/NDF: 70.7/70

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: 0.005+/-0.024 χ^2/NDF: 128.2/118



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: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

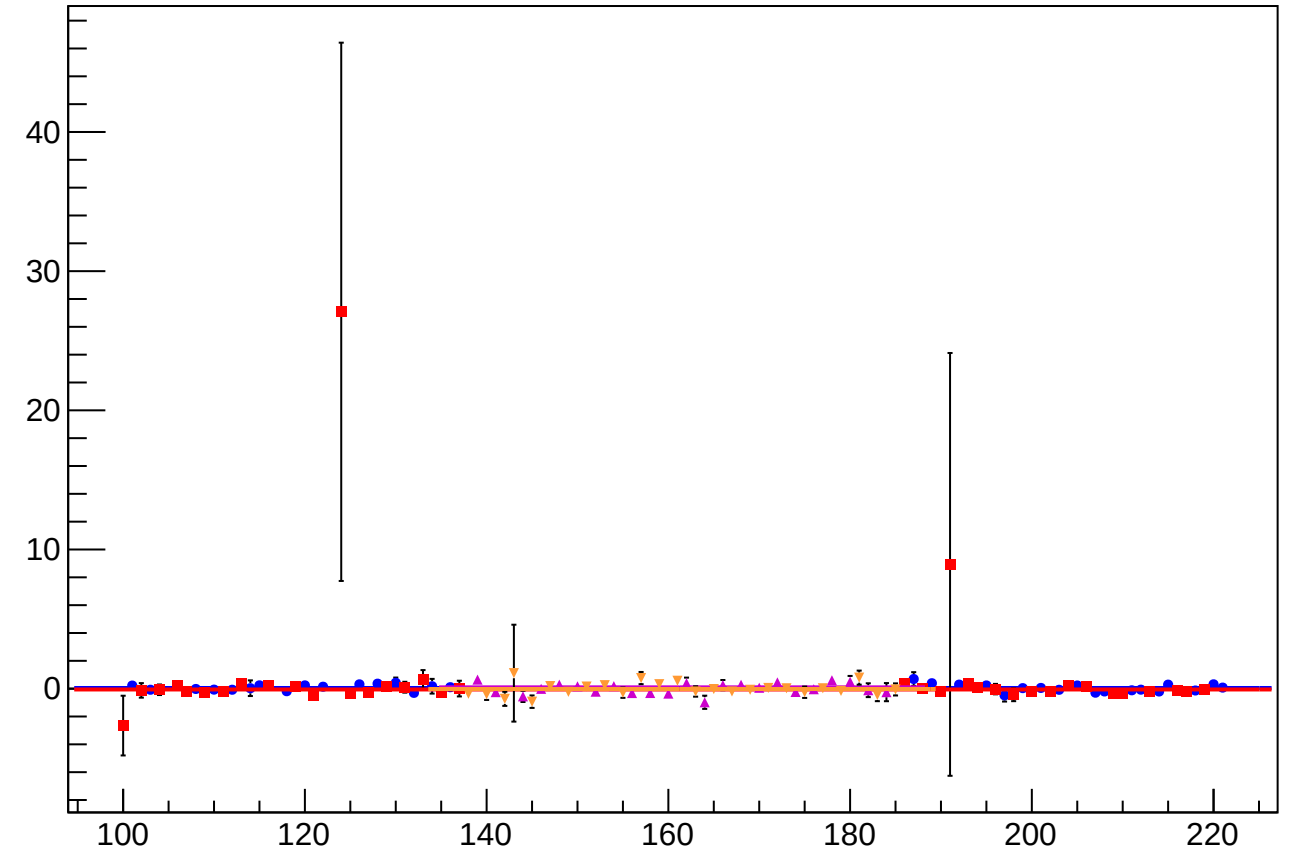
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 170.156+/-0.020 χ^2/NDF: 8990585.4/70

In: 200.329+/-0.024 χ^2/NDF:7620669.9/56

Out: 188.131+/-0.023 χ^2/NDF:12554630.6/61

All: 194.042+/-0.017 χ^2/NDF: 20307348.7/11



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: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

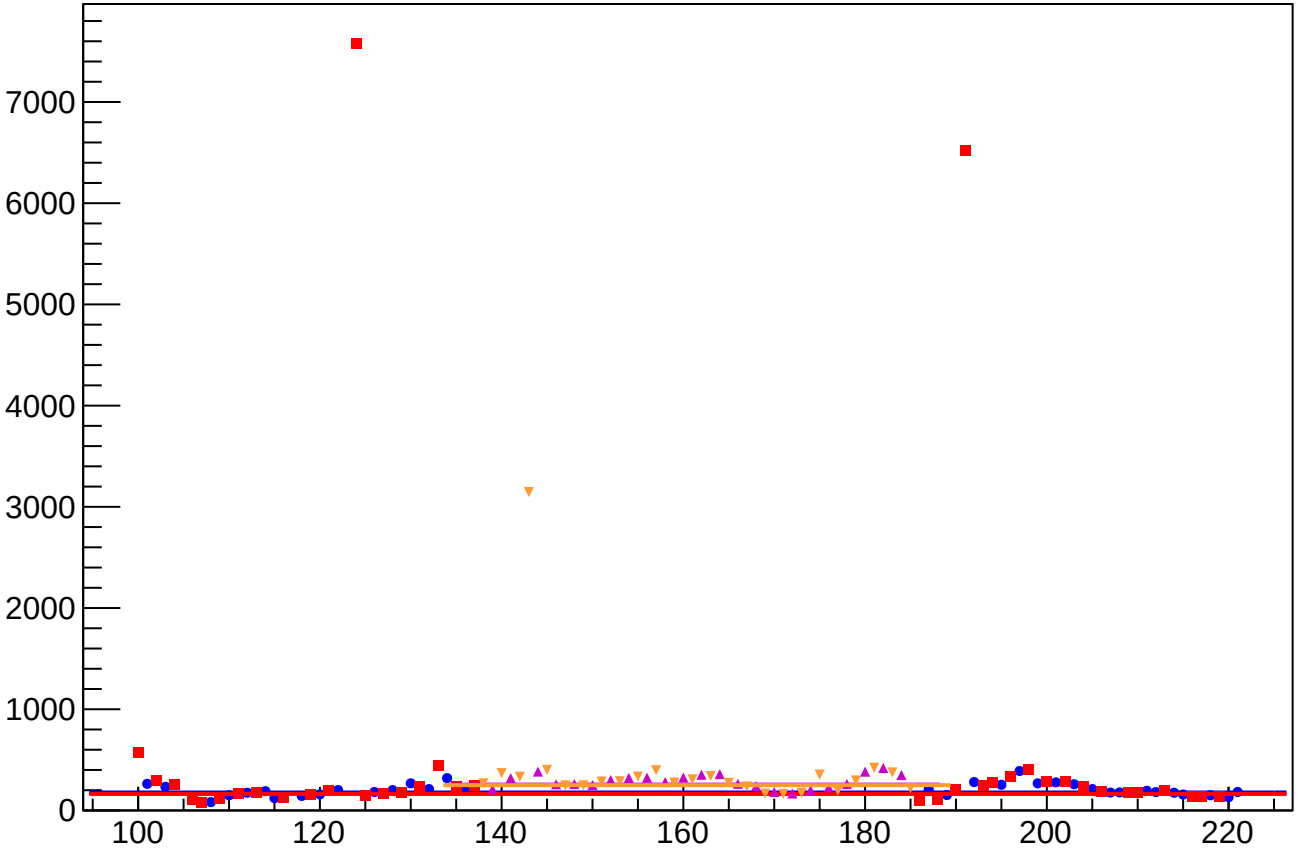
Right: -0.007+/-0.028 χ^2/NDF: 70.7/70

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: 0.005+/-0.024 χ^2/NDF: 128.2/118

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: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

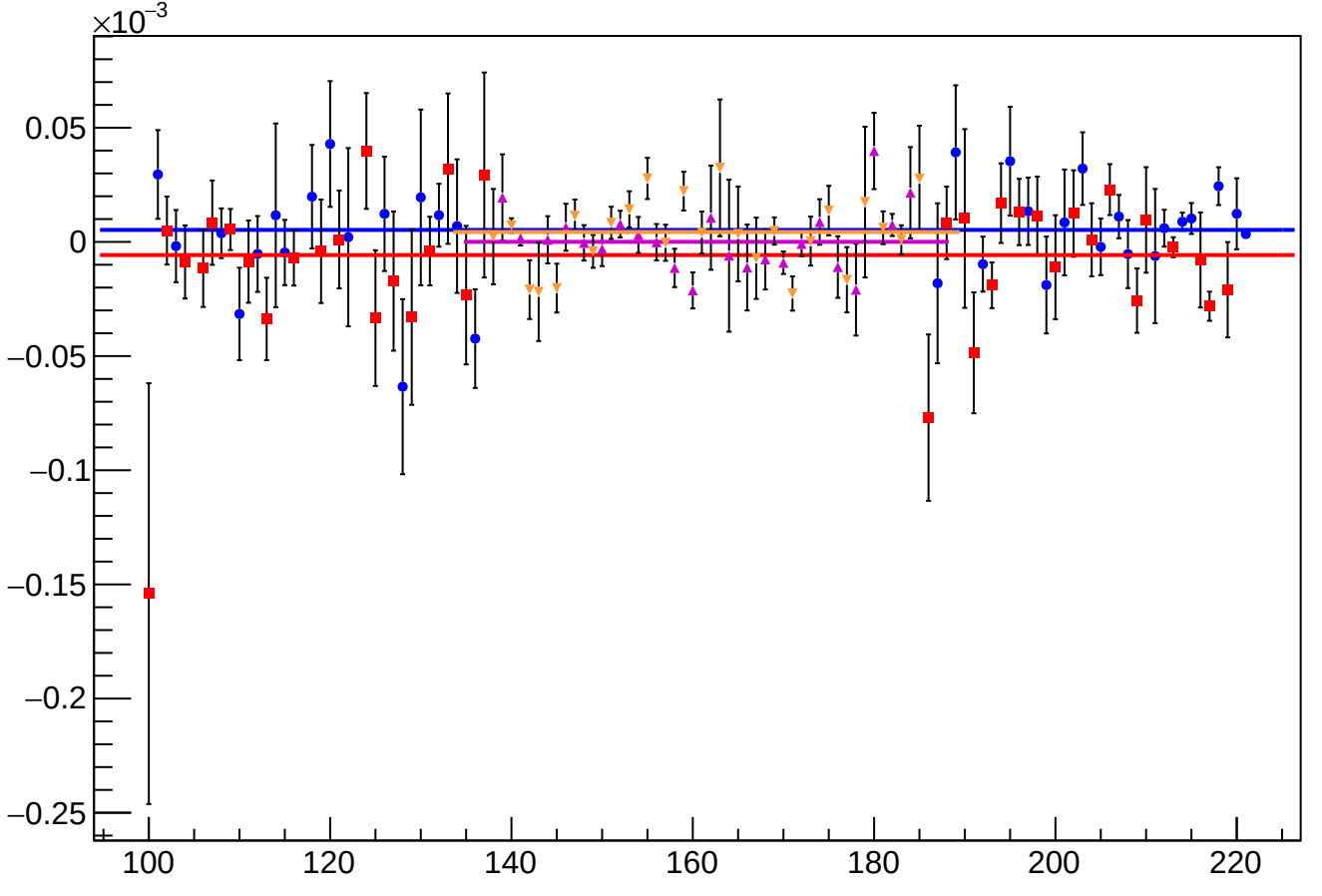
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 170.156+/-0.020 χ^2/NDF: 8990585.4/70

In: 200.329+/-0.024 χ^2/NDF:7620669.9/56

Out: 188.131+/-0.023 χ^2/NDF:12554630.6/61

All: 194.042+/-0.017 χ^2/NDF: 20307348.7/11



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: 52.3/36

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

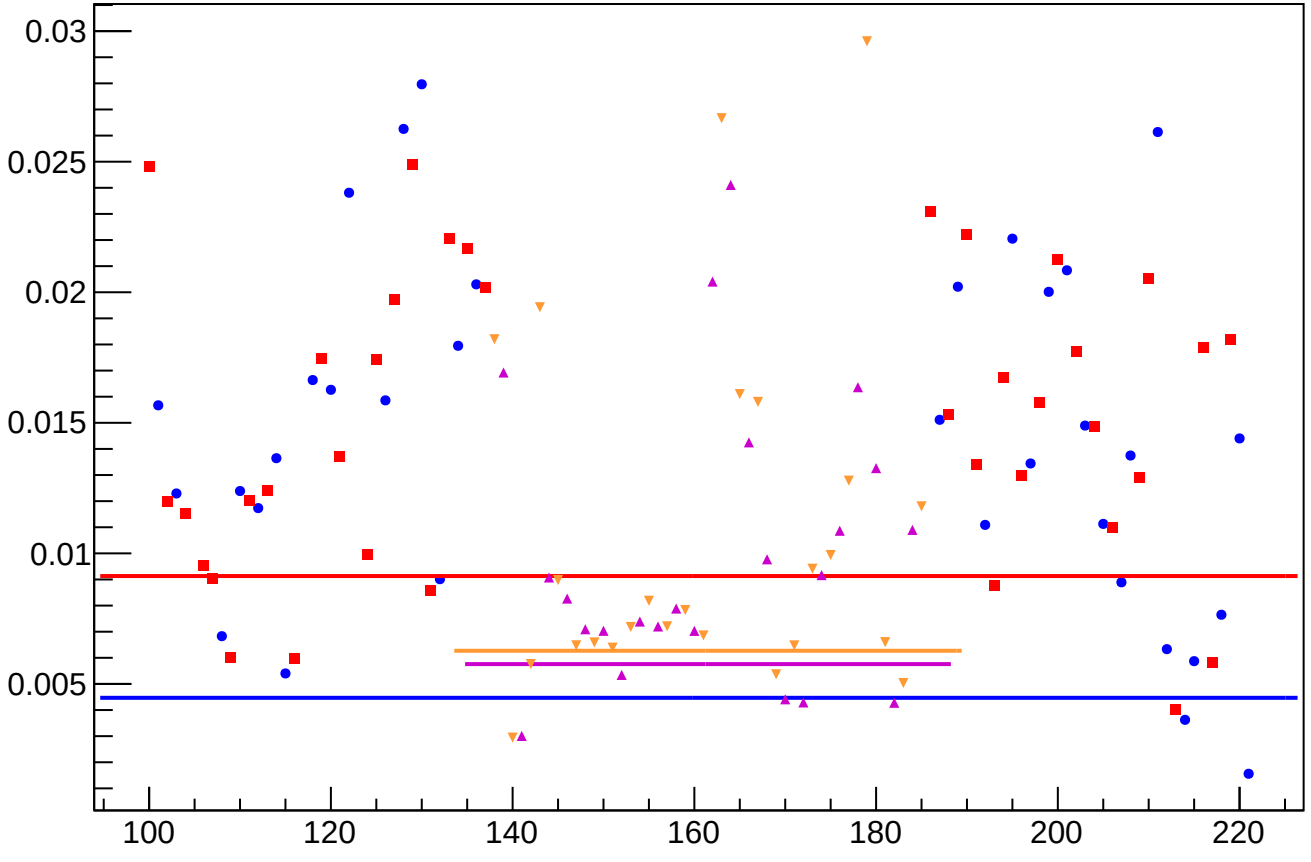
Right: 0.000+/-0.000 χ^2/NDF: 104.2/70

In: 0.000+/-0.000 χ^2/NDF:70.5/56

Out: 0.000+/-0.000 χ^2/NDF:111.0/61

All: 0.000+/-0.000 χ^2/NDF: 182.8/118

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.009+/-0.000 χ^2/NDF: 10187517.1/36

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

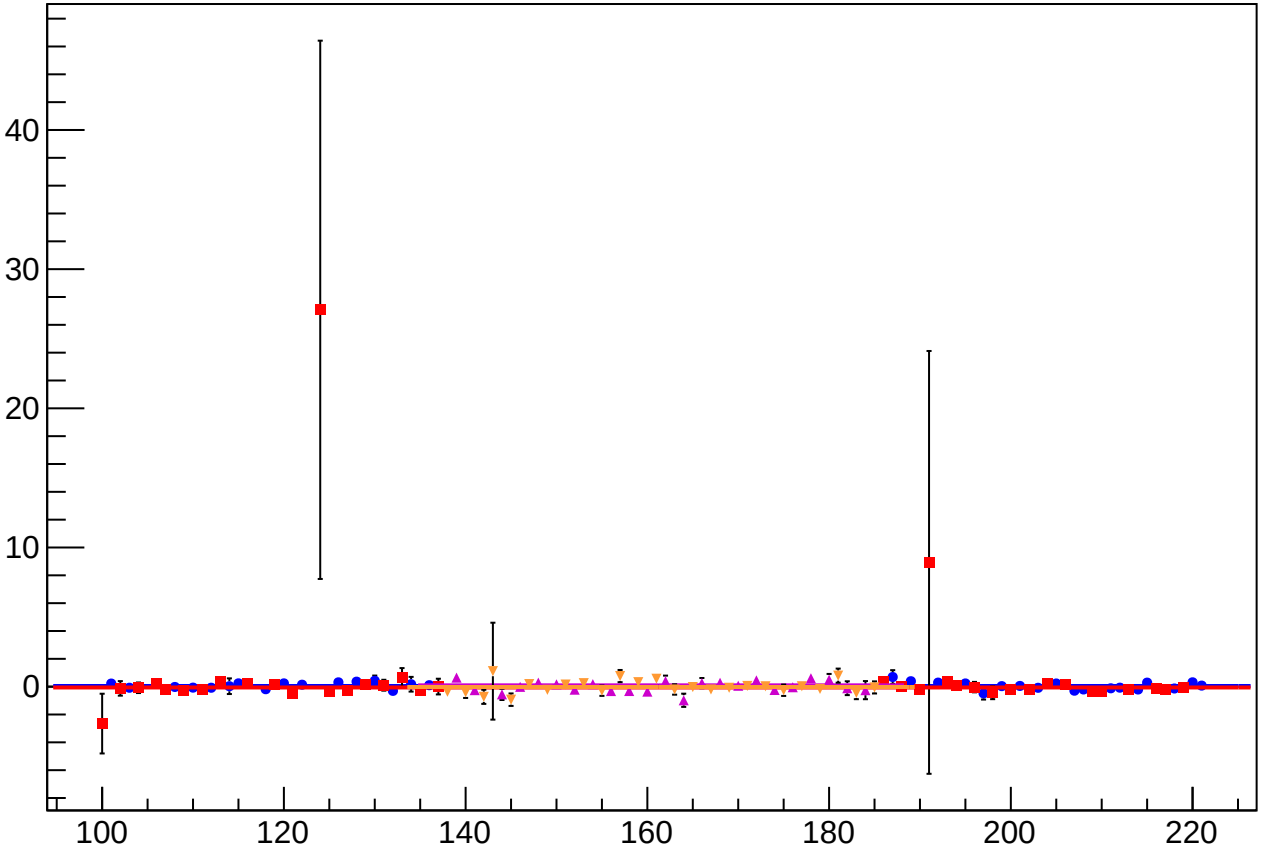
Right: 0.006+/-0.000 χ^2/NDF: 38255987.3/70

In: 0.005+/-0.000 χ^2/NDF:29957610.3/56

Out: 0.007+/-0.000 χ^2/NDF:20139627.0/61

All: 0.006+/-0.000 χ^2/NDF: 53386717.5/118

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: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

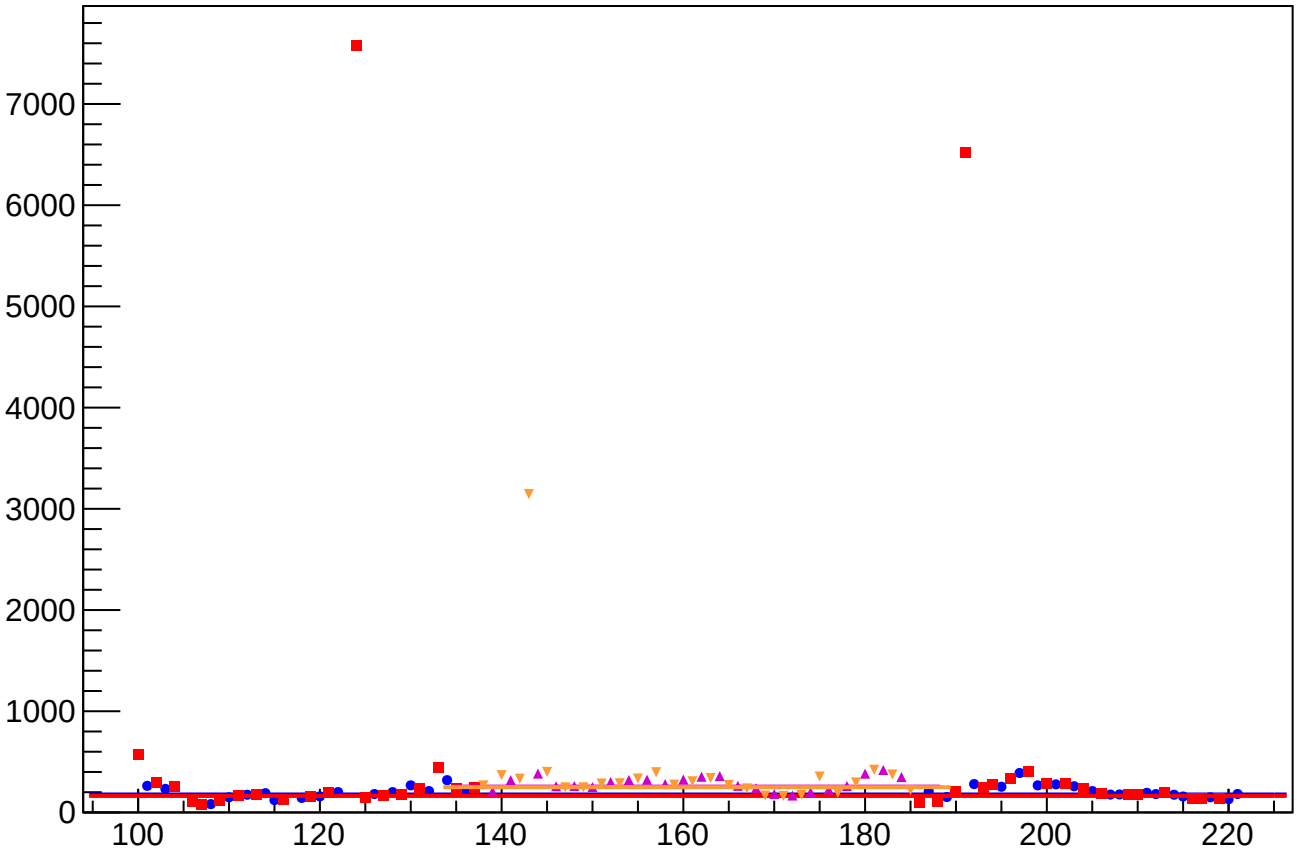
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.007+/-0.028 χ^2/NDF: 70.7/70

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: 0.005+/-0.024 χ^2/NDF: 128.2/118



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: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

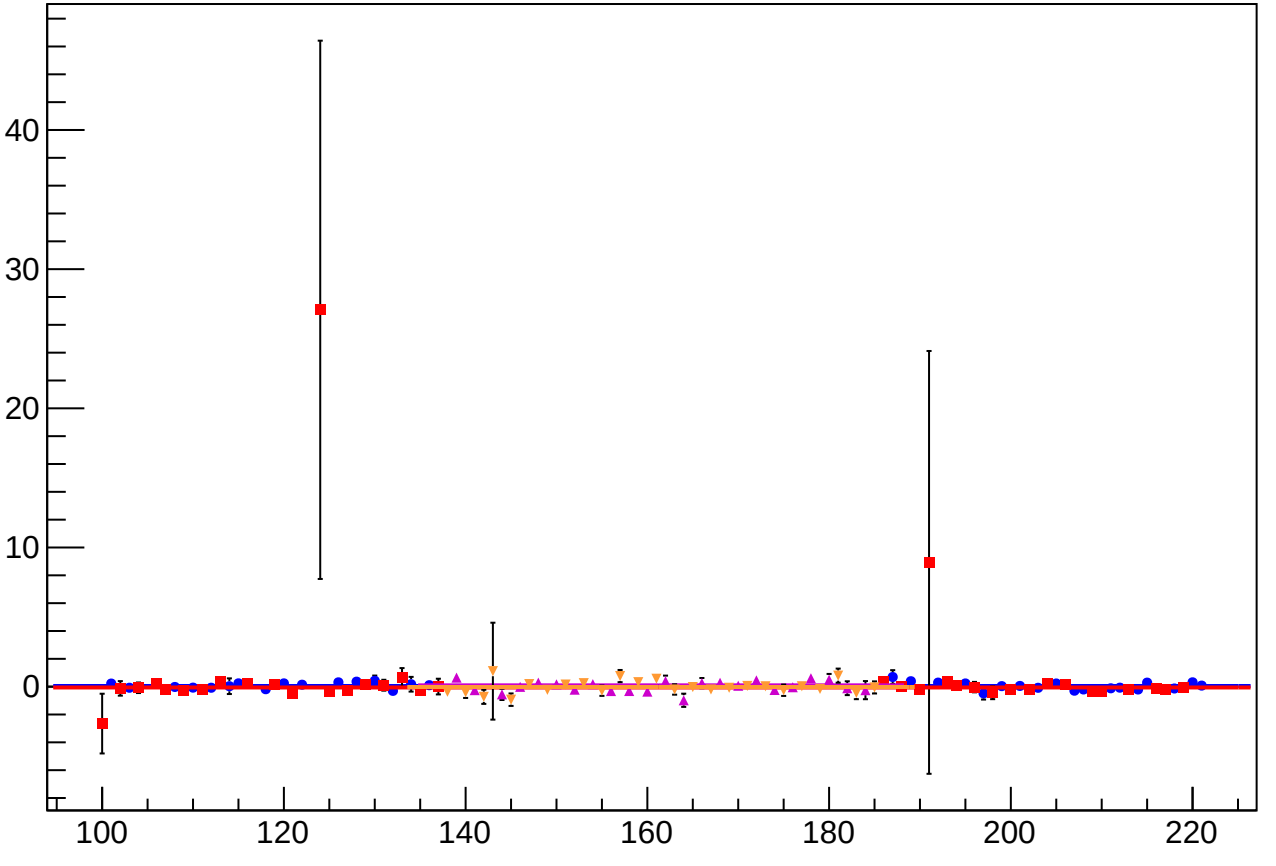
Right: 170.156+/-0.020 χ^2/NDF: 8990472.2/70

In: 200.328+/-0.024 χ^2/NDF:7620961.3/56

Out: 188.133+/-0.023 χ^2/NDF:12554493.7/61

All: 194.043+/-0.017 χ^2/NDF: 20307446.3/11

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: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

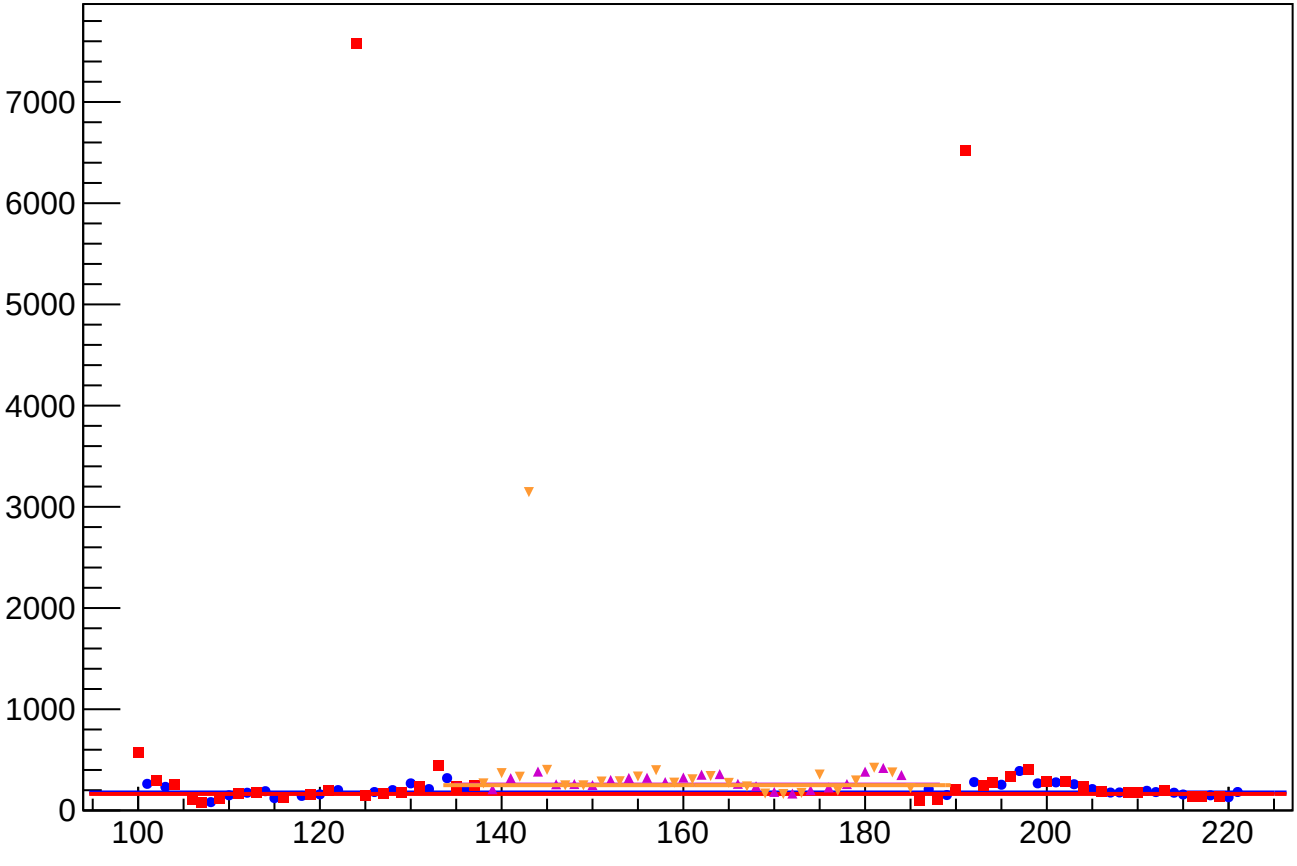
Right: -0.007+/-0.028 χ^2/NDF: 70.7/70

In: 0.062+/-0.034 χ^2/NDF:61.4/56

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: 0.005+/-0.024 χ^2/NDF: 128.2/118

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: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

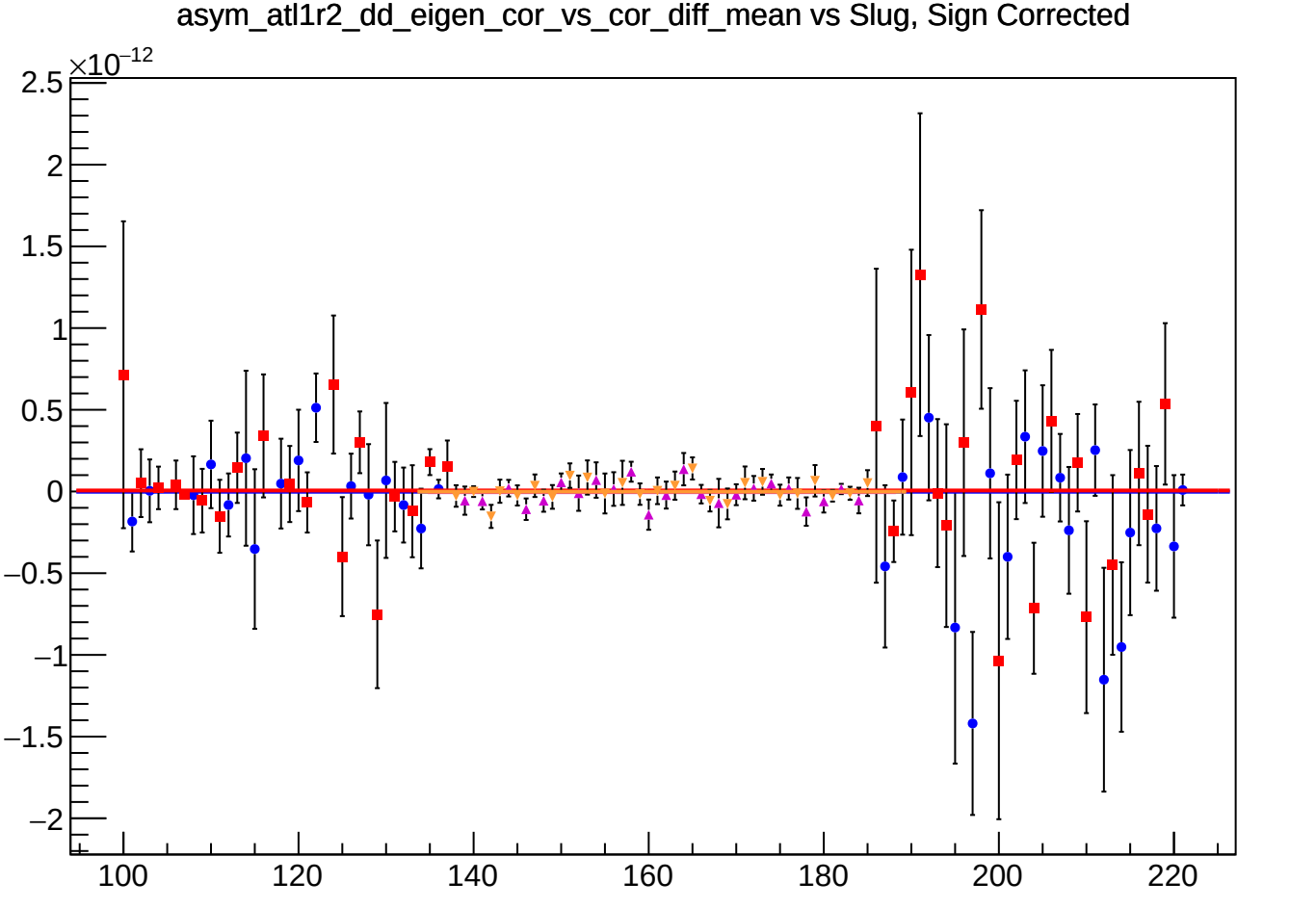
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 170.156+/-0.020 χ^2/NDF: 8990472.2/70

In: 200.328+/-0.024 χ^2/NDF:7620961.3/56

Out: 188.133+/-0.023 χ^2/NDF:12554493.7/61

All: 194.043+/-0.017 χ^2/NDF: 20307446.3/1



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: 35.9/36

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

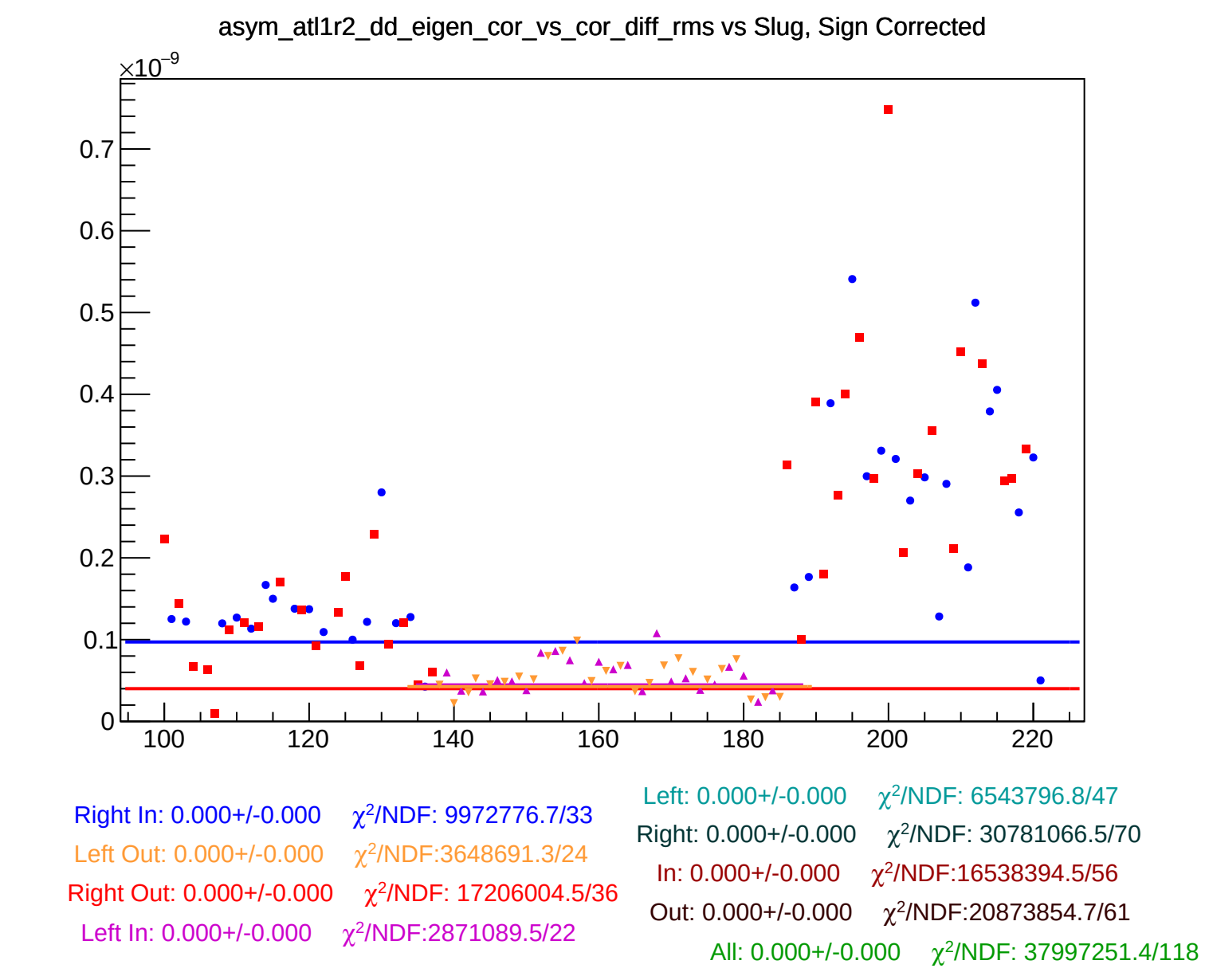
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 65.2/70

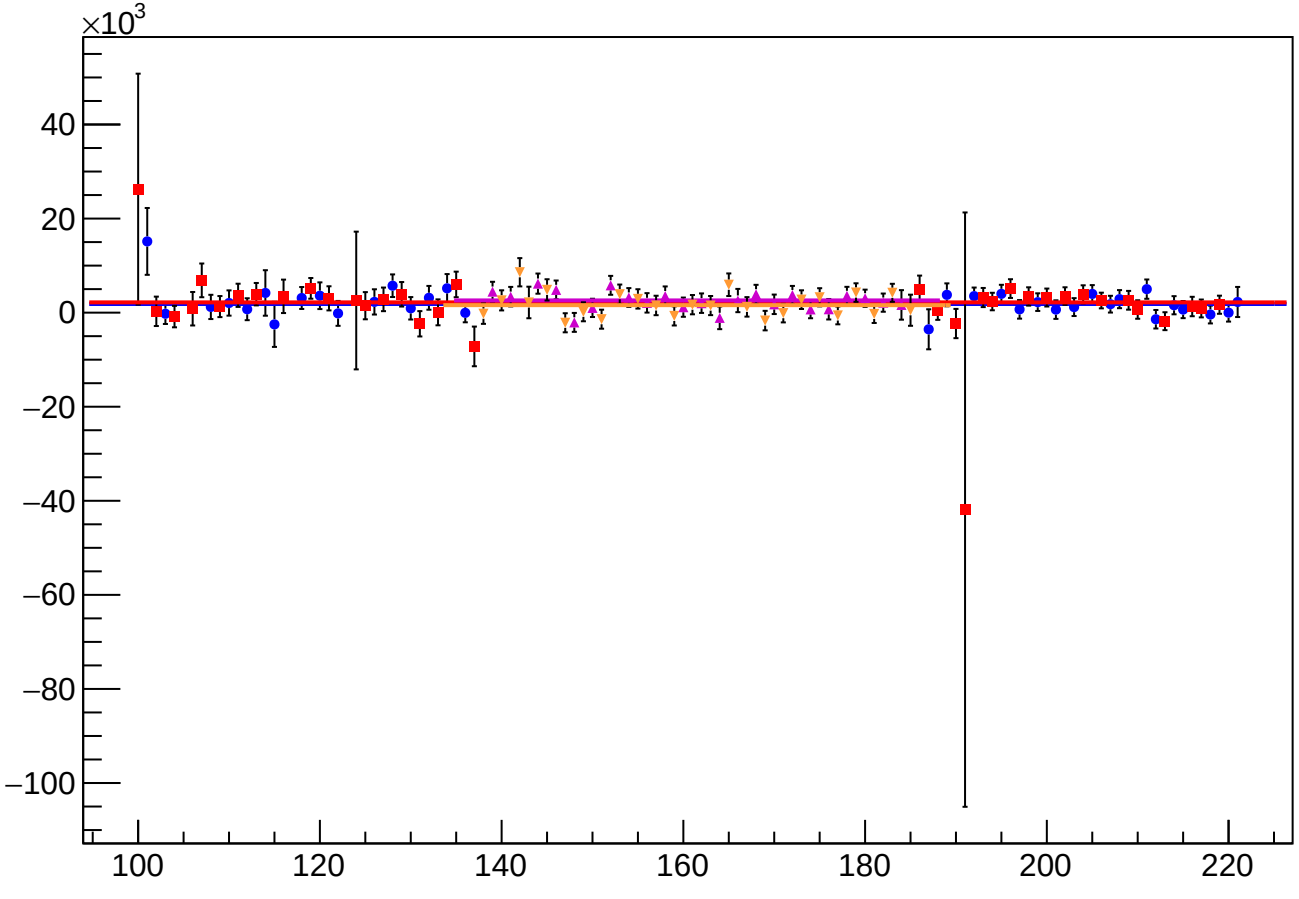
In: -0.000+/-0.000 χ^2/NDF:49.2/56

Out: 0.000+/-0.000 χ^2/NDF:52.3/61

All: -0.000+/-0.000 χ^2/NDF: 101.6/118


asym_atl1r2_dd_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: 9972776.7/33
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 17206004.5/36
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 30781066.5/70
In: 0.000+/-0.000 χ²/NDF:16538394.5/56
Out: 0.000+/-0.000 χ²/NDF:20873854.7/61
All: 0.000+/-0.000 χ²/NDF: 37997251.4/118

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 2182.961+/-388.998 χ^2/NDF: 33.5/36

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

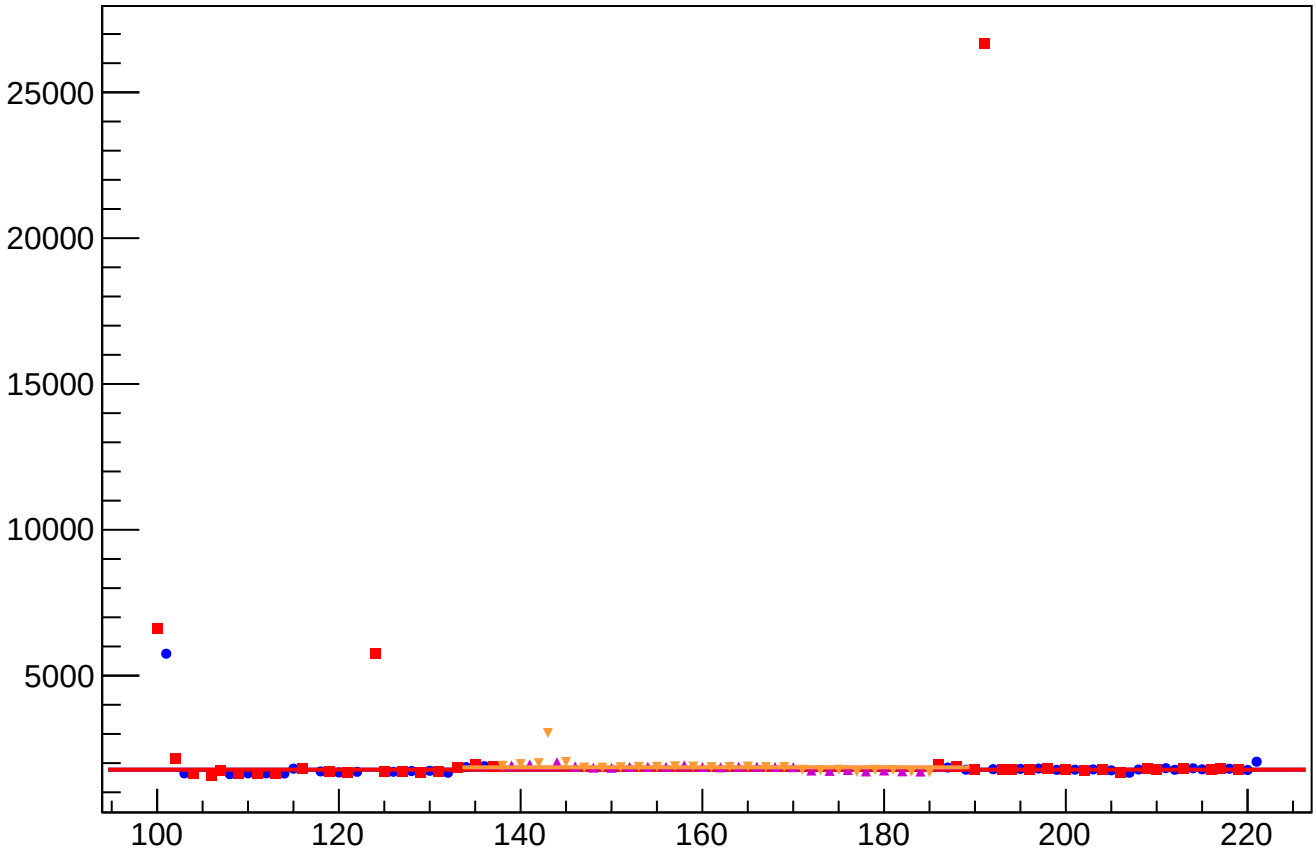
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2011.773+/-274.076 χ^2/NDF: 60.7/70

In: 2179.761+/-287.422 χ^2/NDF:48.6/56

Out: 1912.603+/-286.423 χ^2/NDF:65.8/61

All: 2045.717+/-202.884 χ^2/NDF: 114.8/118



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: 1775.675+/-0.274 χ^2/NDF: 649668.5/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

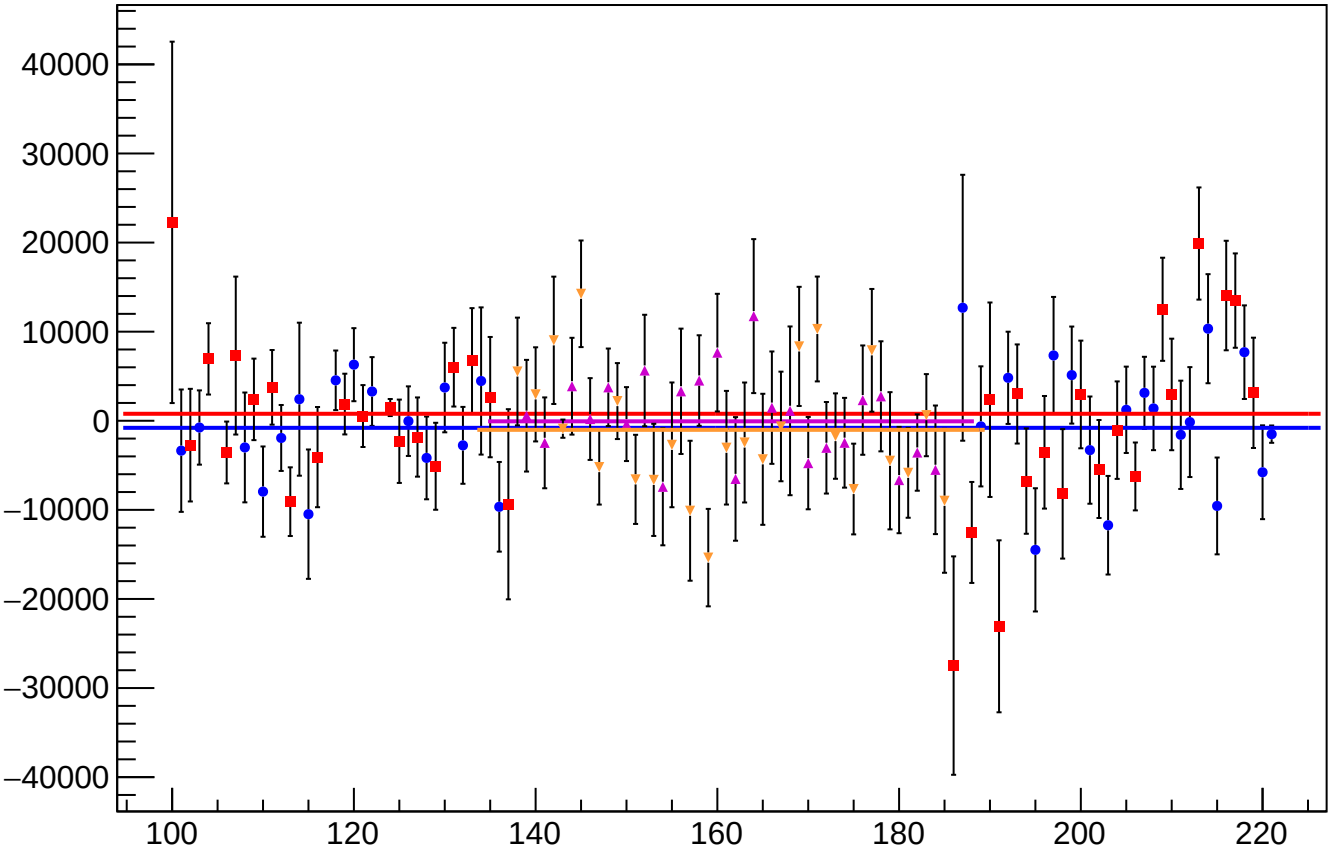
Right: 1775.020+/-0.194 χ^2/NDF: 1350029.7/70

In: 1804.091+/-0.203 χ^2/NDF:797879.4/56

Out: 1812.147+/-0.202 χ^2/NDF:1012645.5/61

All: 1808.138+/-0.143 χ^2/NDF: 1811314.4/11

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



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: 783.706+/-646.564 χ^2/NDF: 69.8/36

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

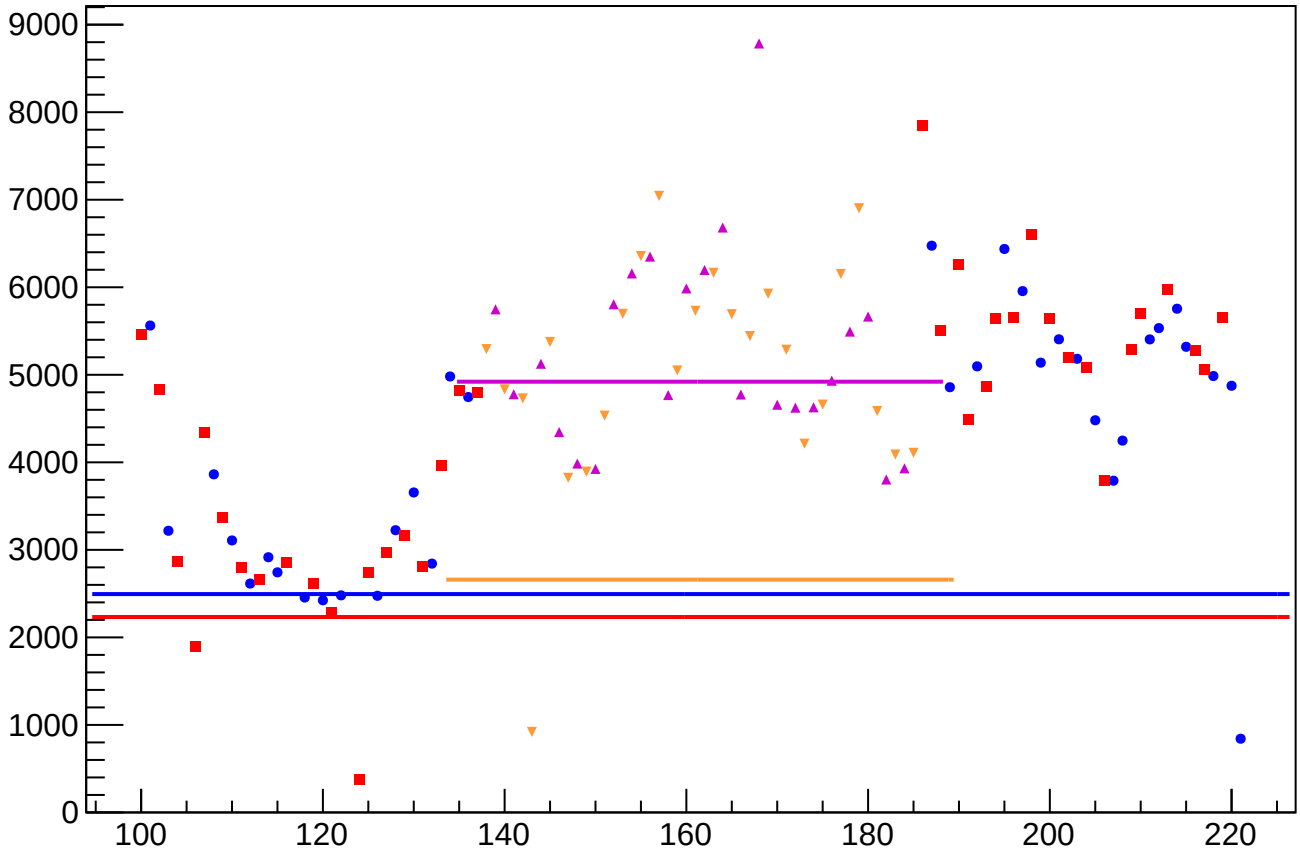
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 7.286+/-460.666 χ^2/NDF: 112.7/70

In: -618.975+/-572.935 χ^2/NDF:53.4/56

Out: 40.369+/-495.634 χ^2/NDF:106.7/61

All: -241.854+/-374.840 χ^2/NDF: 160.9/118



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: 2232.648+/-0.457 χ^2/NDF: 18674589.1/36

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

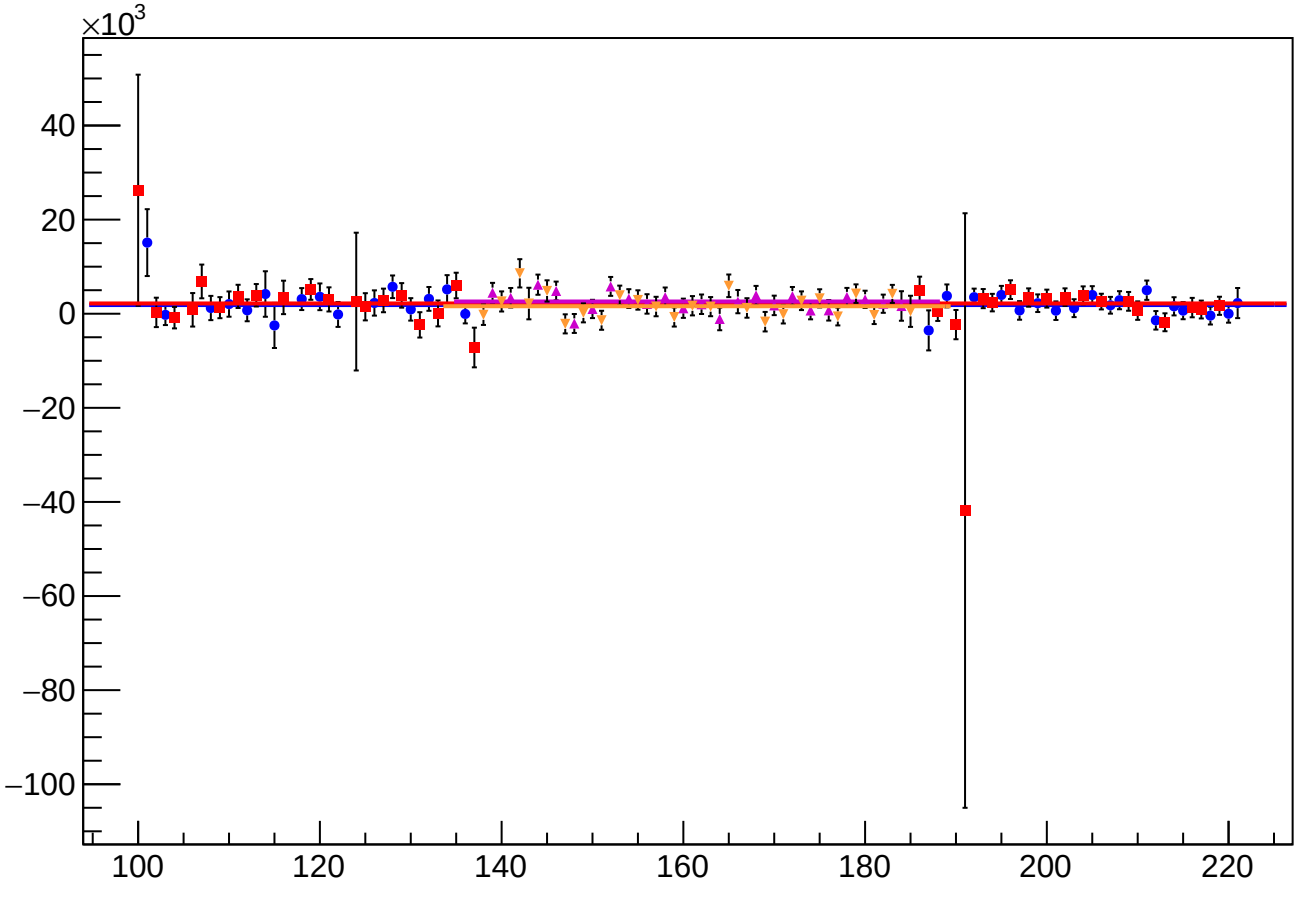
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2361.728+/-0.326 χ^2/NDF: 33200468.9/70

In: 3073.277+/-0.405 χ^2/NDF:22128537.7/56

Out: 2408.882+/-0.350 χ^2/NDF:33570985.5/61

All: 2693.267+/-0.265 χ^2/NDF: 57237820.9/1



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: 2182.995+/-388.998 χ^2/NDF: 33.4/36

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

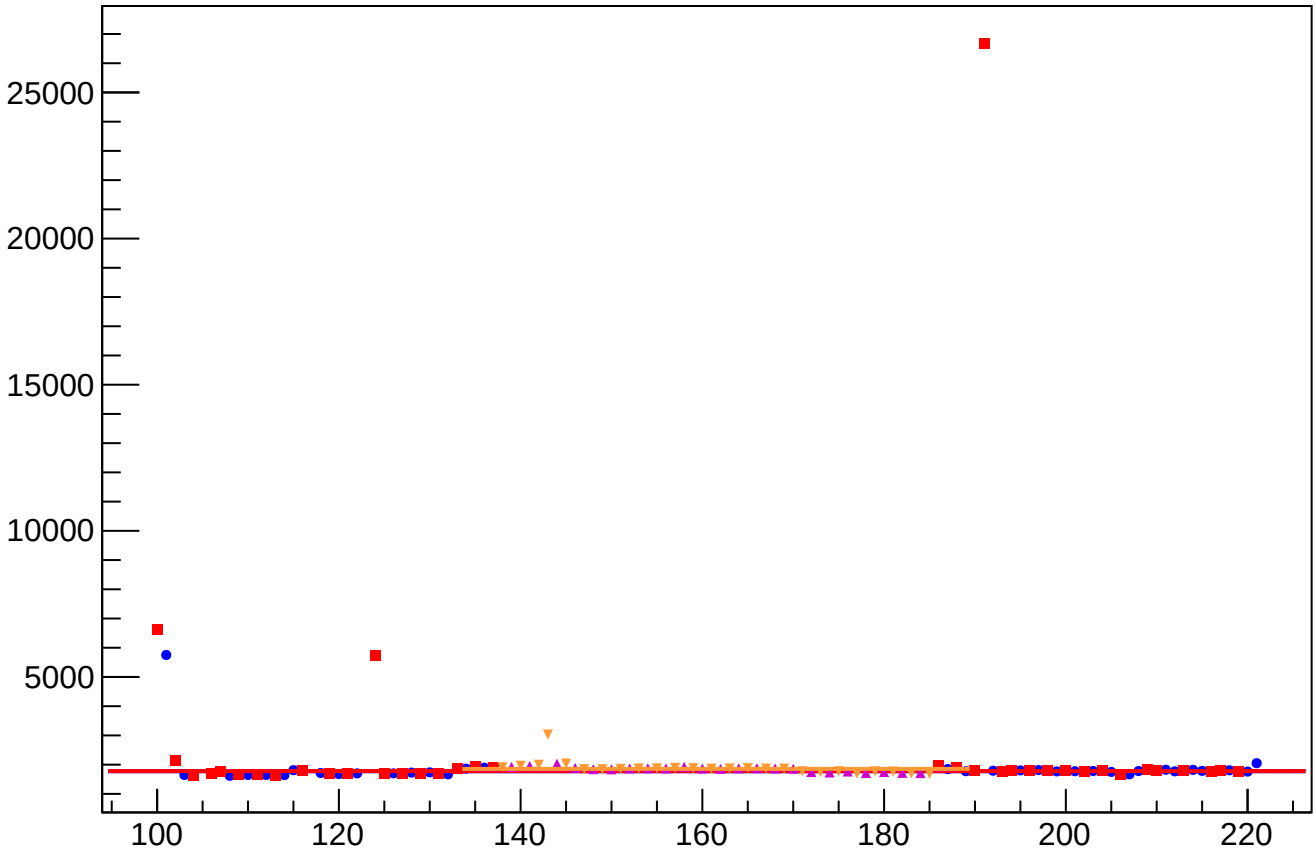
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2011.683+/-274.076 χ^2/NDF: 60.7/70

In: 2179.676+/-287.422 χ^2/NDF:48.6/56

Out: 1912.606+/-286.423 χ^2/NDF:65.8/61

All: 2045.676+/-202.884 χ^2/NDF: 114.8/118



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: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

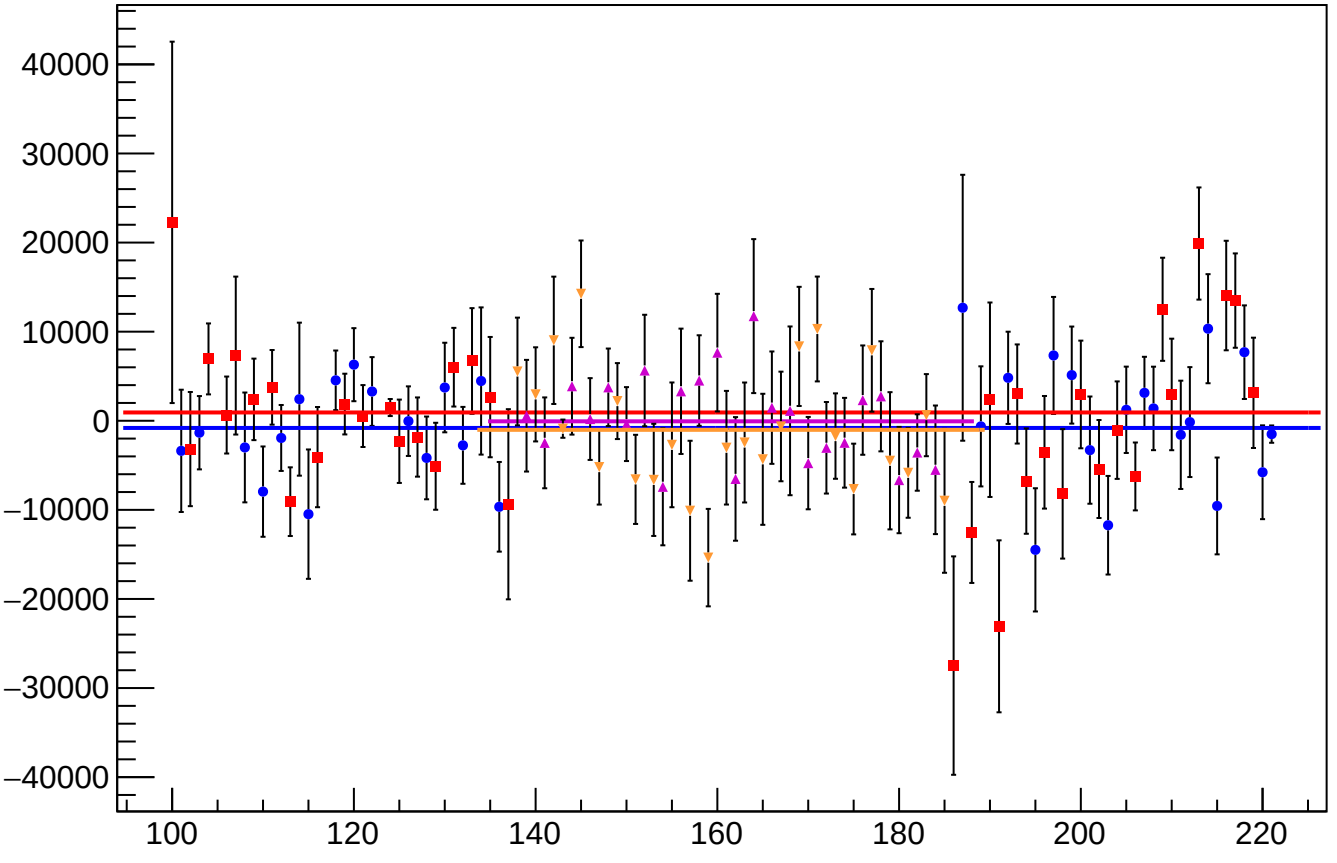
Right: 1776.245+/-0.194 χ^2/NDF: 1341285.0/70

In: 1804.091+/-0.203 χ^2/NDF:797879.8/56

Out: 1813.537+/-0.202 χ^2/NDF:1001421.0/61

All: 1808.833+/-0.143 χ^2/NDF: 1800385.4/11

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



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: 931.604+/-650.600 χ^2/NDF: 68.3/36

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

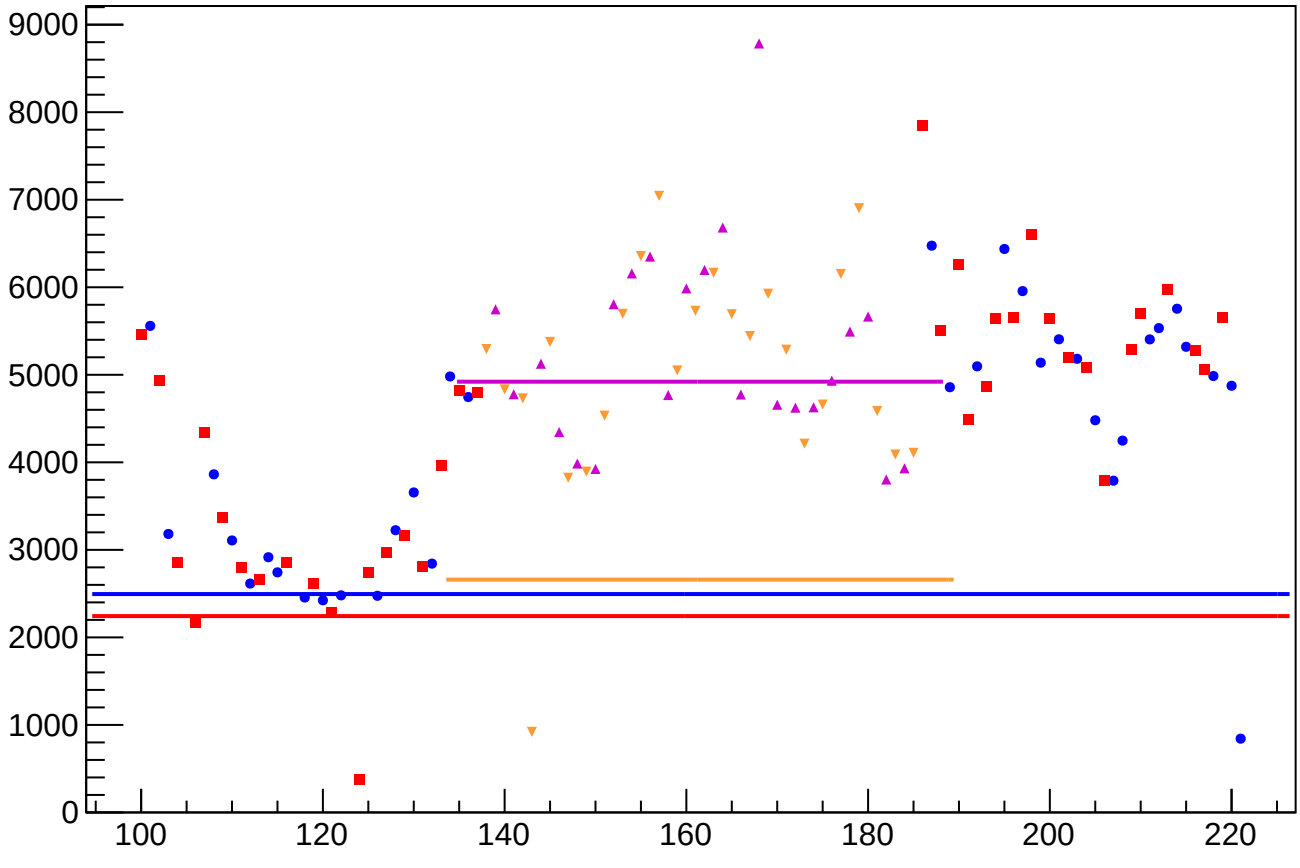
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 70.476+/-462.078 χ^2/NDF: 111.8/70

In: -628.793+/-572.859 χ^2/NDF:53.4/56

Out: 121.430+/-497.440 χ^2/NDF:105.7/61

All: -201.079+/-375.597 χ^2/NDF: 160.1/118



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: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

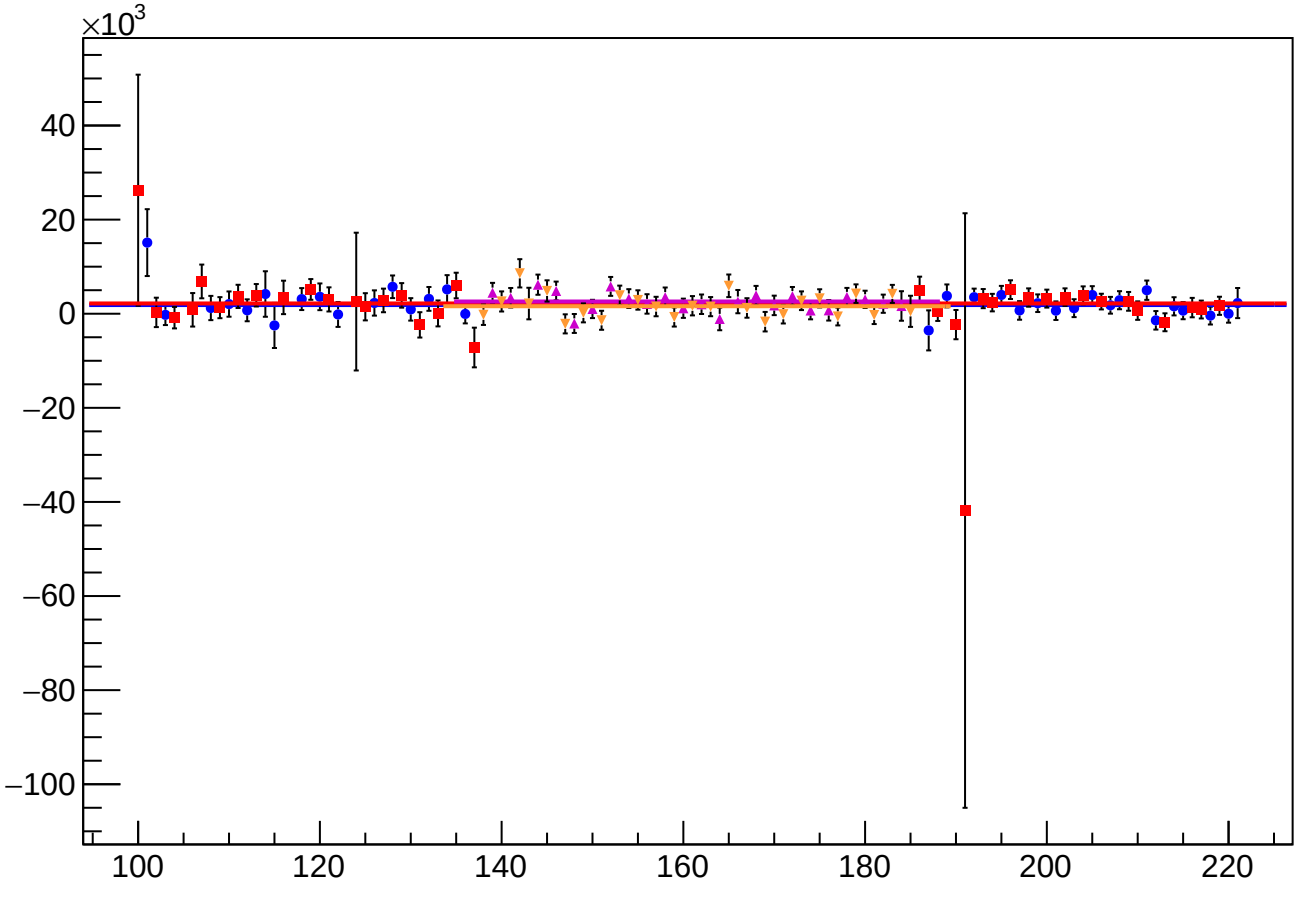
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2367.992+/-0.327 χ^2/NDF: 33172145.1/70

In: 3073.234+/-0.405 χ^2/NDF:22117441.6/56

Out: 2416.337+/-0.352 χ^2/NDF:33548212.3/61

All: 2698.726+/-0.266 χ^2/NDF: 57164973.6/1



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: 2182.995+/-388.998 χ^2/NDF: 33.4/36

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

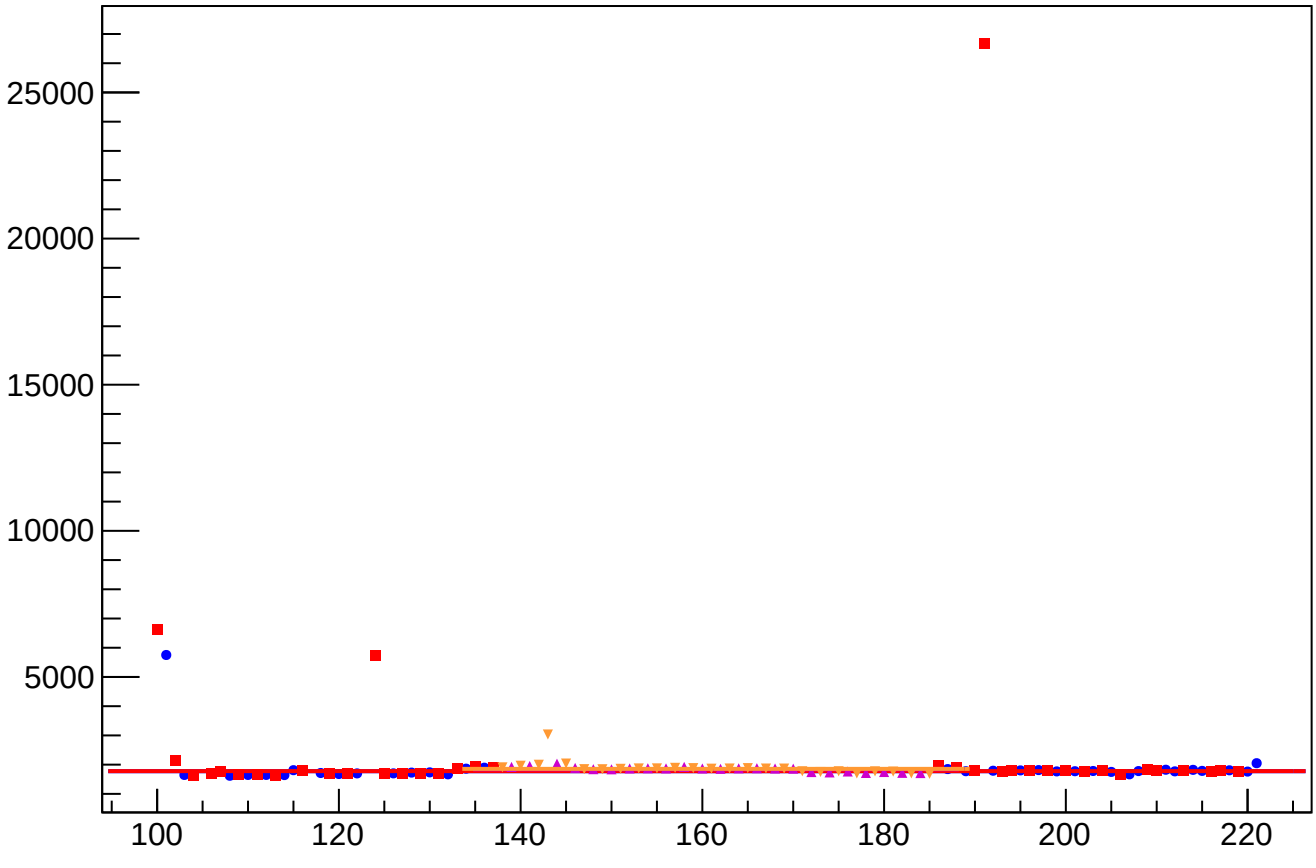
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2011.683+/-274.076 χ^2/NDF: 60.7/70

In: 2179.676+/-287.422 χ^2/NDF:48.6/56

Out: 1912.606+/-286.423 χ^2/NDF:65.8/61

All: 2045.676+/-202.884 χ^2/NDF: 114.8/118



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: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

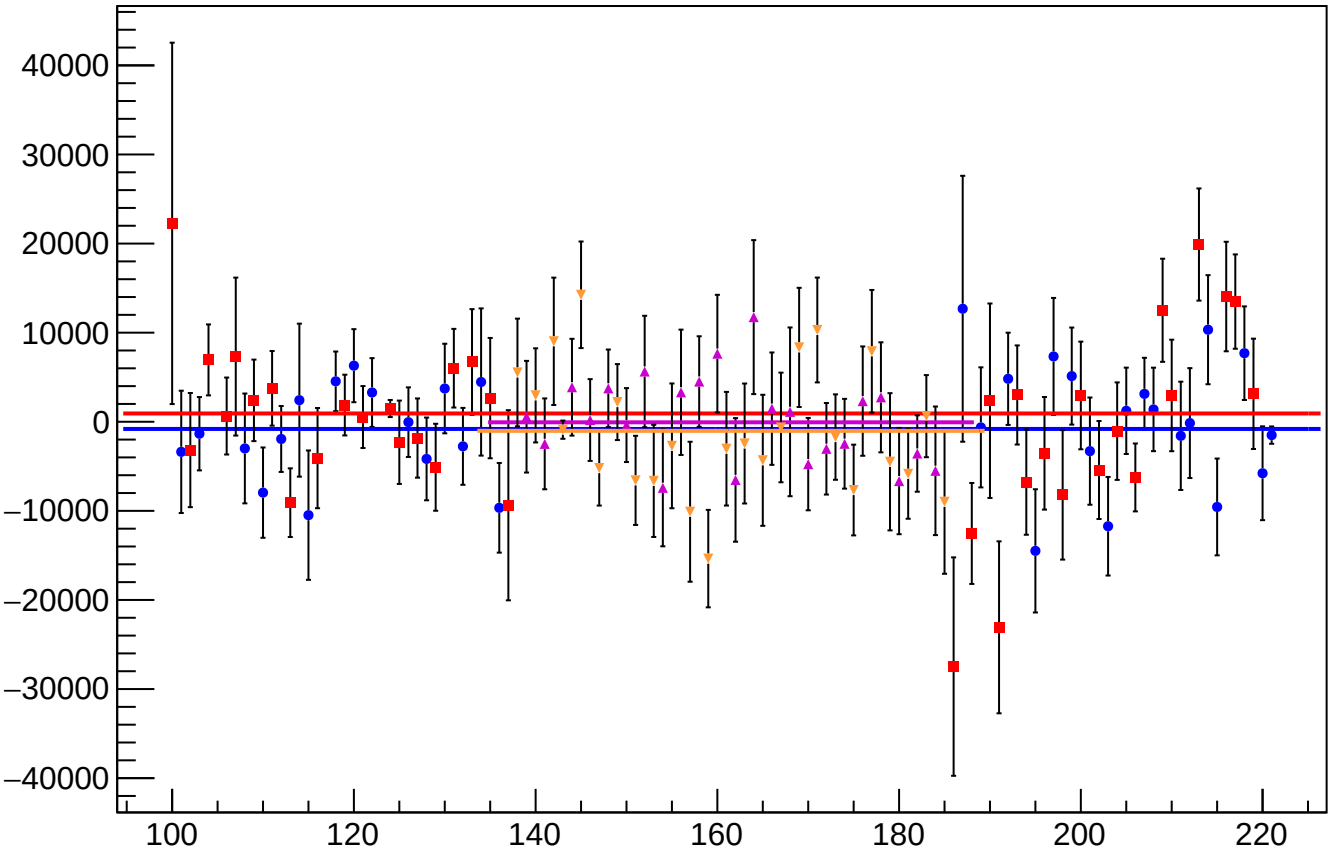
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1776.245+/-0.194 χ^2/NDF: 1341285.0/70

In: 1804.091+/-0.203 χ^2/NDF:797879.8/56

Out: 1813.537+/-0.202 χ^2/NDF:1001421.0/61

All: 1808.833+/-0.143 χ^2/NDF: 1800385.4/11



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: 931.604+/-650.600 χ^2/NDF: 68.3/36

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

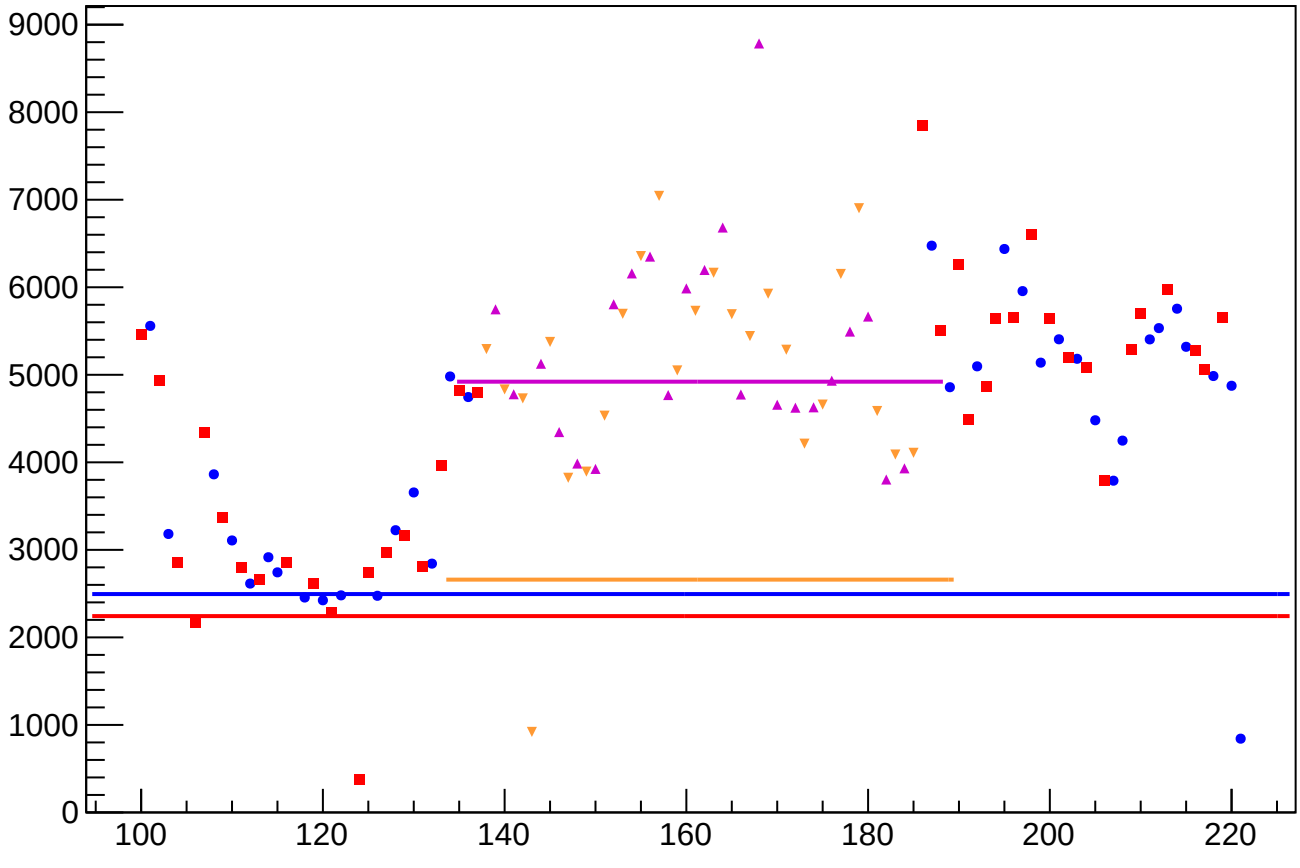
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 70.476+/-462.078 χ^2/NDF: 111.8/70

In: -628.793+/-572.859 χ^2/NDF:53.4/56

Out: 121.430+/-497.440 χ^2/NDF:105.7/61

All: -201.079+/-375.597 χ^2/NDF: 160.1/118



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: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

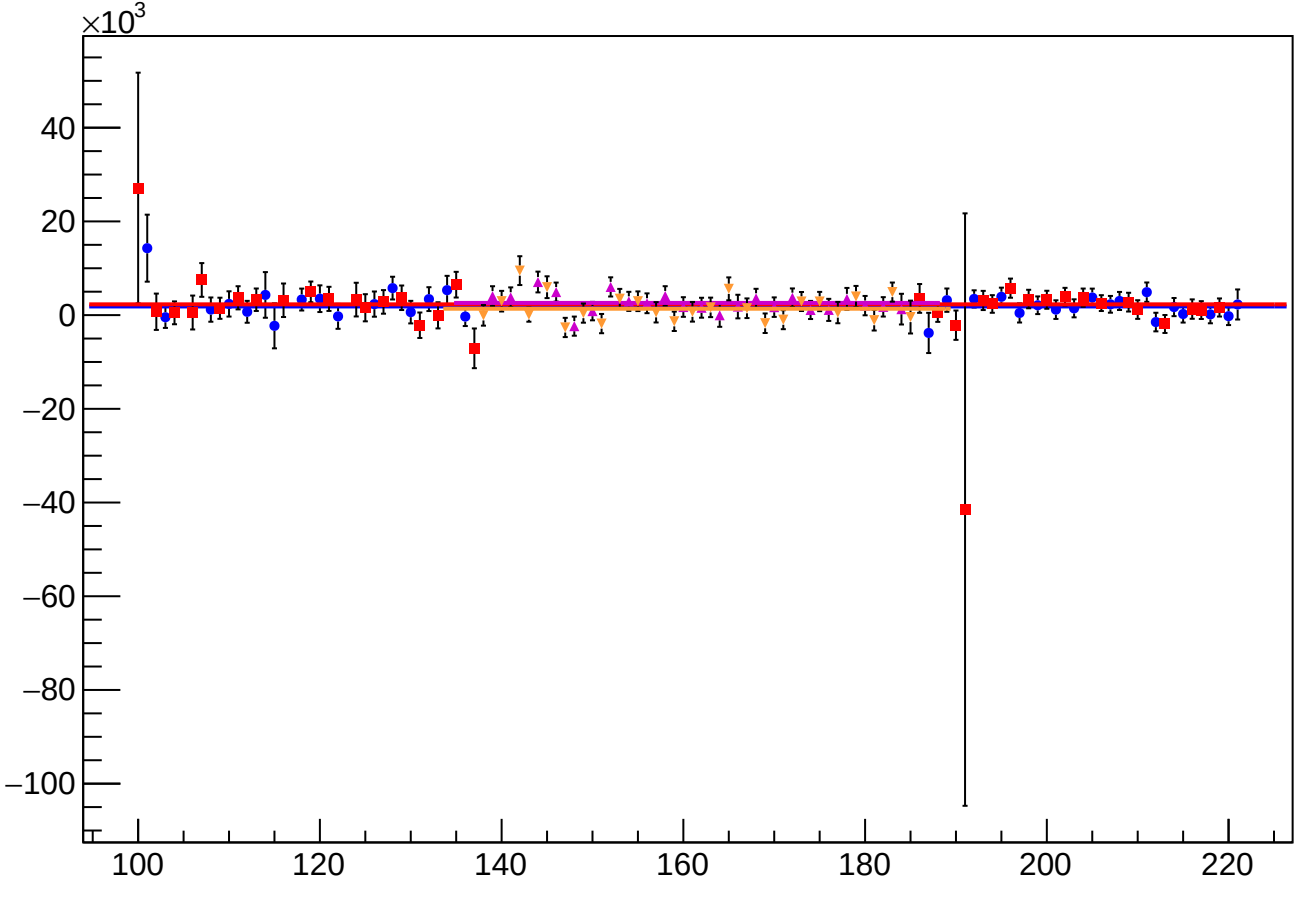
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2367.992+/-0.327 χ^2/NDF: 33172145.1/70

In: 3073.234+/-0.405 χ^2/NDF:22117441.6/56

Out: 2416.337+/-0.352 χ^2/NDF:33548212.3/61

All: 2698.726+/-0.266 χ^2/NDF: 57164973.6/1



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: 2298.350+/-391.727 χ^2/NDF: 31.9/36

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

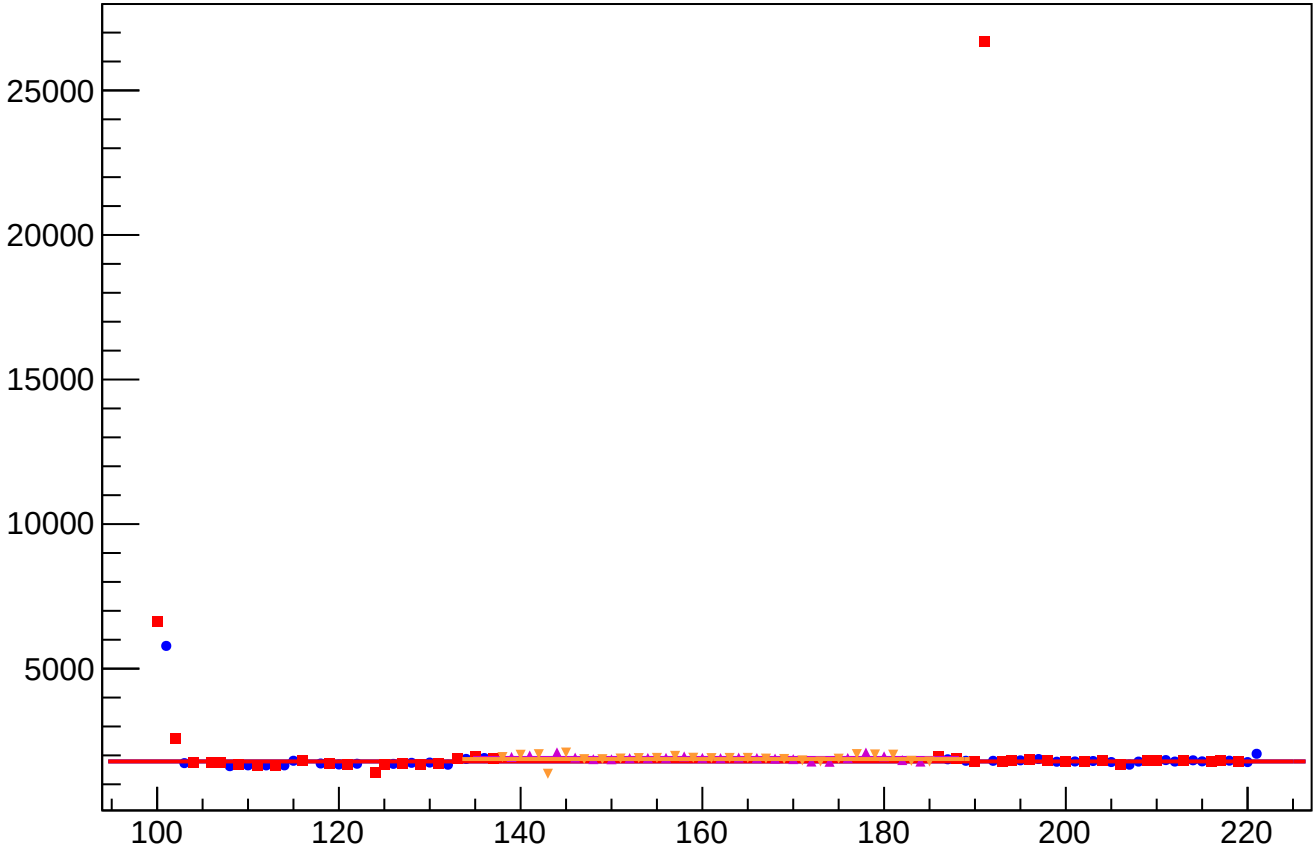
Right: 2073.591+/-276.323 χ^2/NDF: 58.8/70

In: 2176.010+/-293.729 χ^2/NDF:47.9/56

Out: 1871.665+/-288.761 χ^2/NDF:70.6/61

All: 2021.242+/-205.919 χ^2/NDF: 119.0/118

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: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

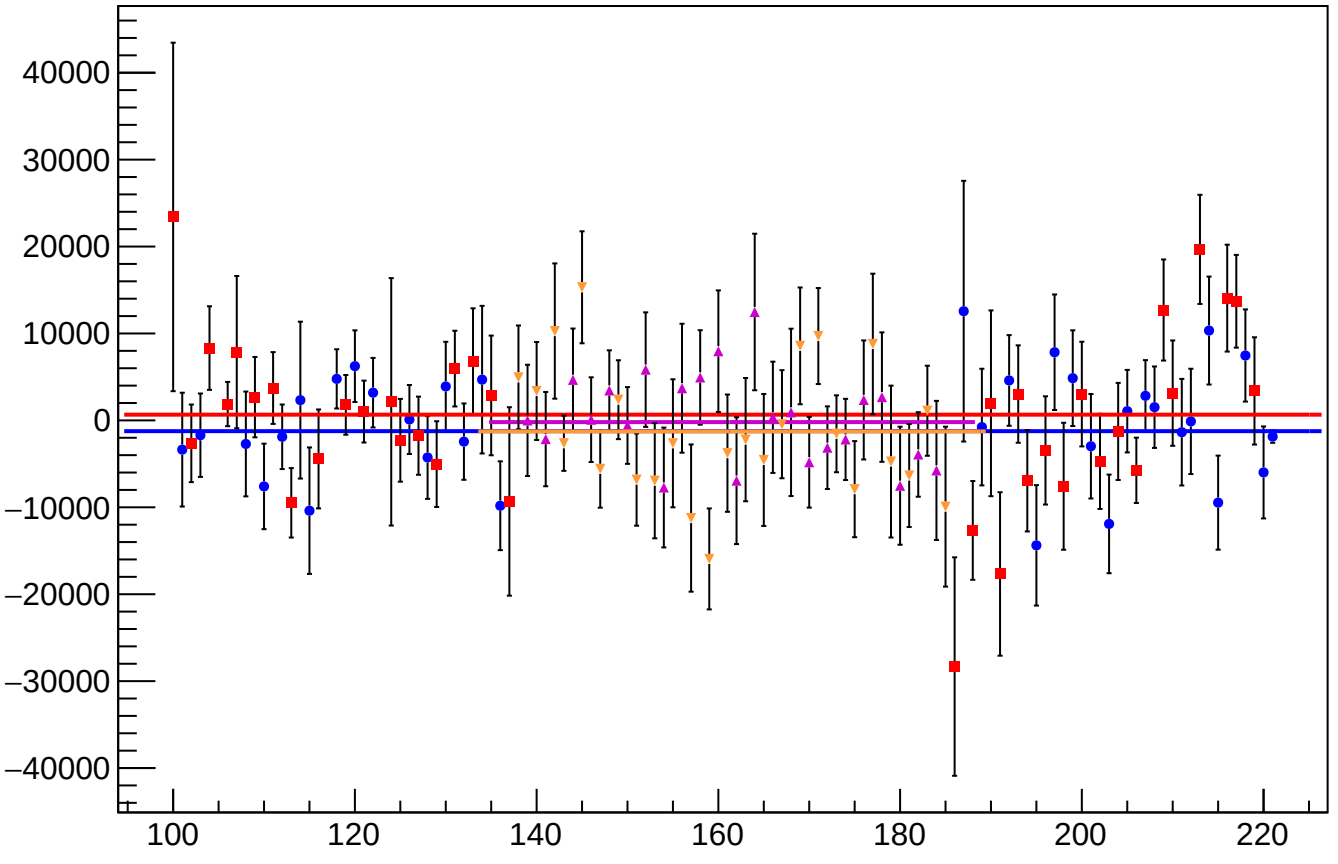
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1790.909+/-0.195 χ^2/NDF: 1263052.4/70

In: 1842.984+/-0.208 χ^2/NDF:841002.4/56

Out: 1828.457+/-0.204 χ^2/NDF:913877.8/61

All: 1835.593+/-0.146 χ^2/NDF: 1757369.1/11



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: 658.539+/-853.947 χ^2/NDF: 65.8/36

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

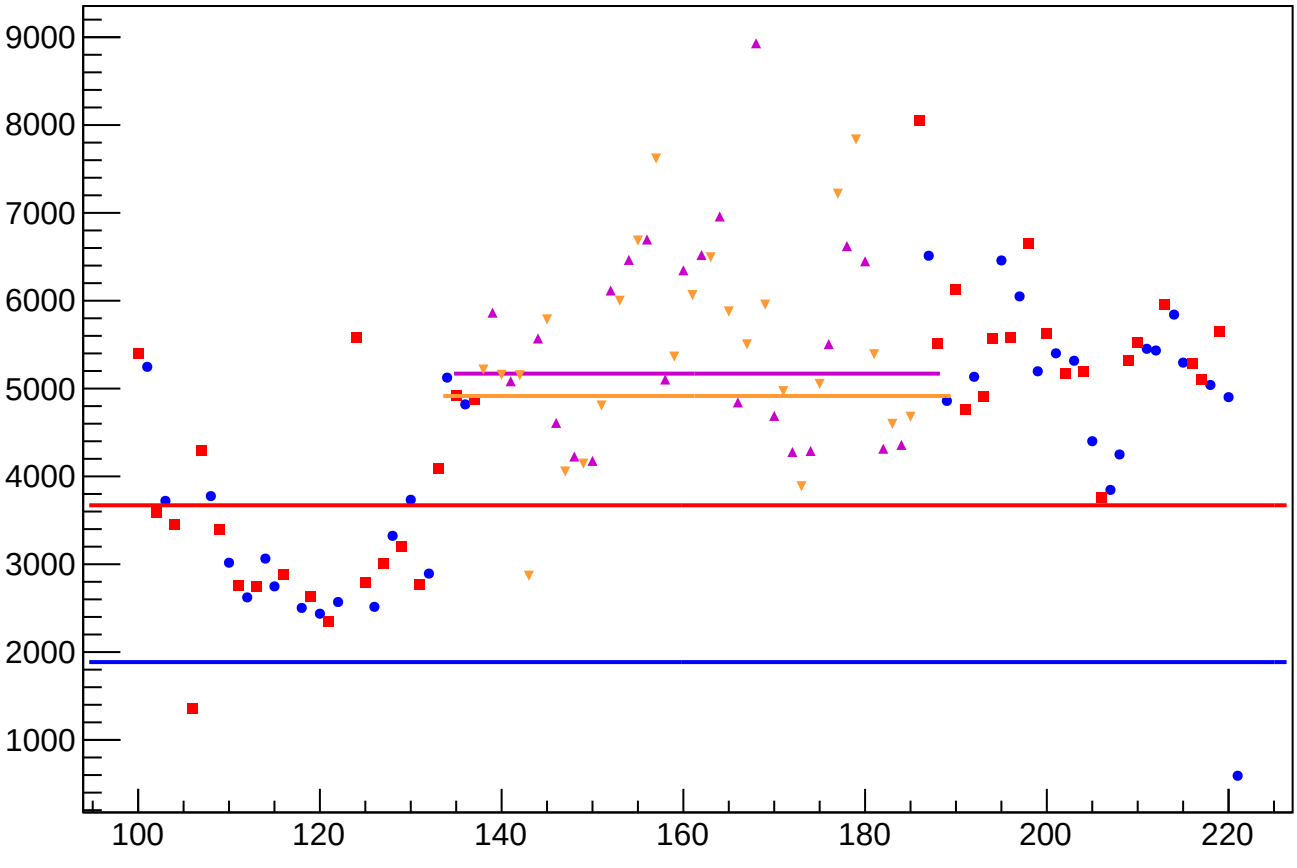
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -668.123+/-468.619 χ^2/NDF: 109.4/70

In: -1061.535+/-510.412 χ^2/NDF:53.5/56

Out: -22.127+/-686.890 χ^2/NDF:101.0/61

All: -691.779+/-409.687 χ^2/NDF: 156.0/118



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: 3671.374+/-0.604 χ^2/NDF: 5763773.5/36

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

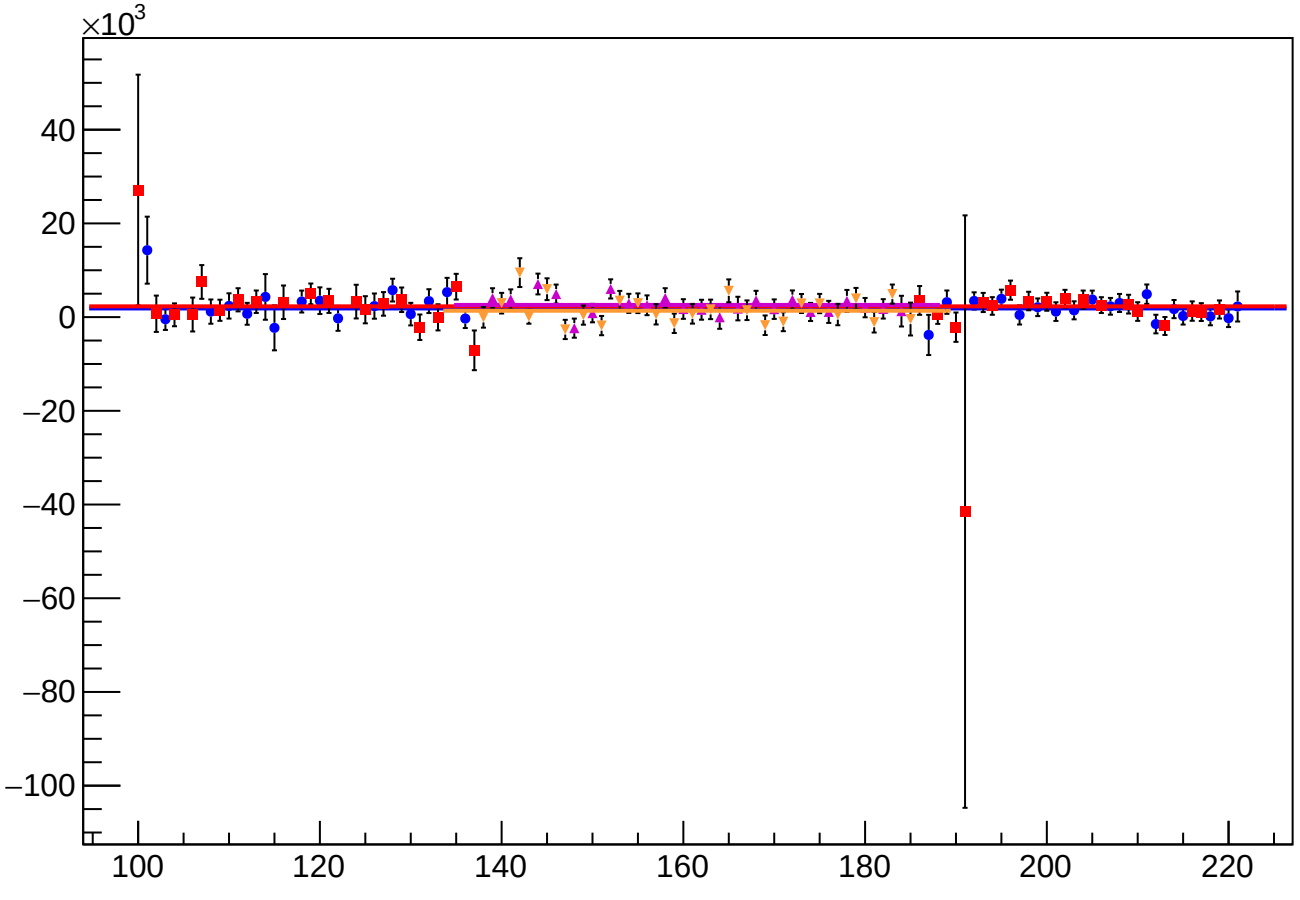
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 2423.612+/-0.331 χ^2/NDF: 32389660.9/70

In: 2447.302+/-0.361 χ^2/NDF:33598389.3/56

Out: 4110.445+/-0.486 χ^2/NDF:9427886.1/61

All: 3038.944+/-0.290 χ^2/NDF: 50580291.5/1



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: 2298.346+/-391.727 χ^2/NDF: 31.9/36

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

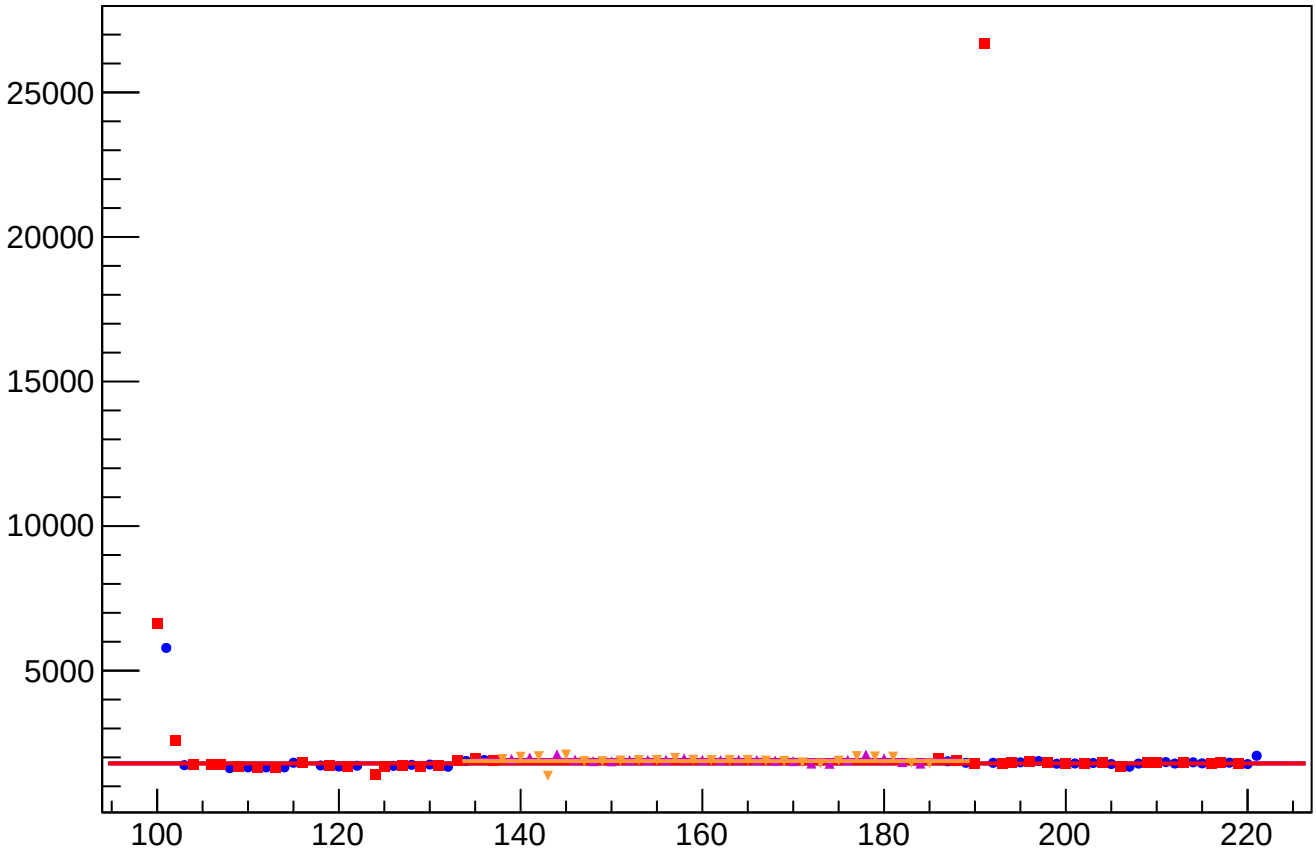
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2073.590+/-276.323 χ^2/NDF: 58.8/70

In: 2176.011+/-293.729 χ^2/NDF:47.9/56

Out: 1871.661+/-288.761 χ^2/NDF:70.6/61

All: 2021.241+/-205.919 χ^2/NDF: 119.0/118



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: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

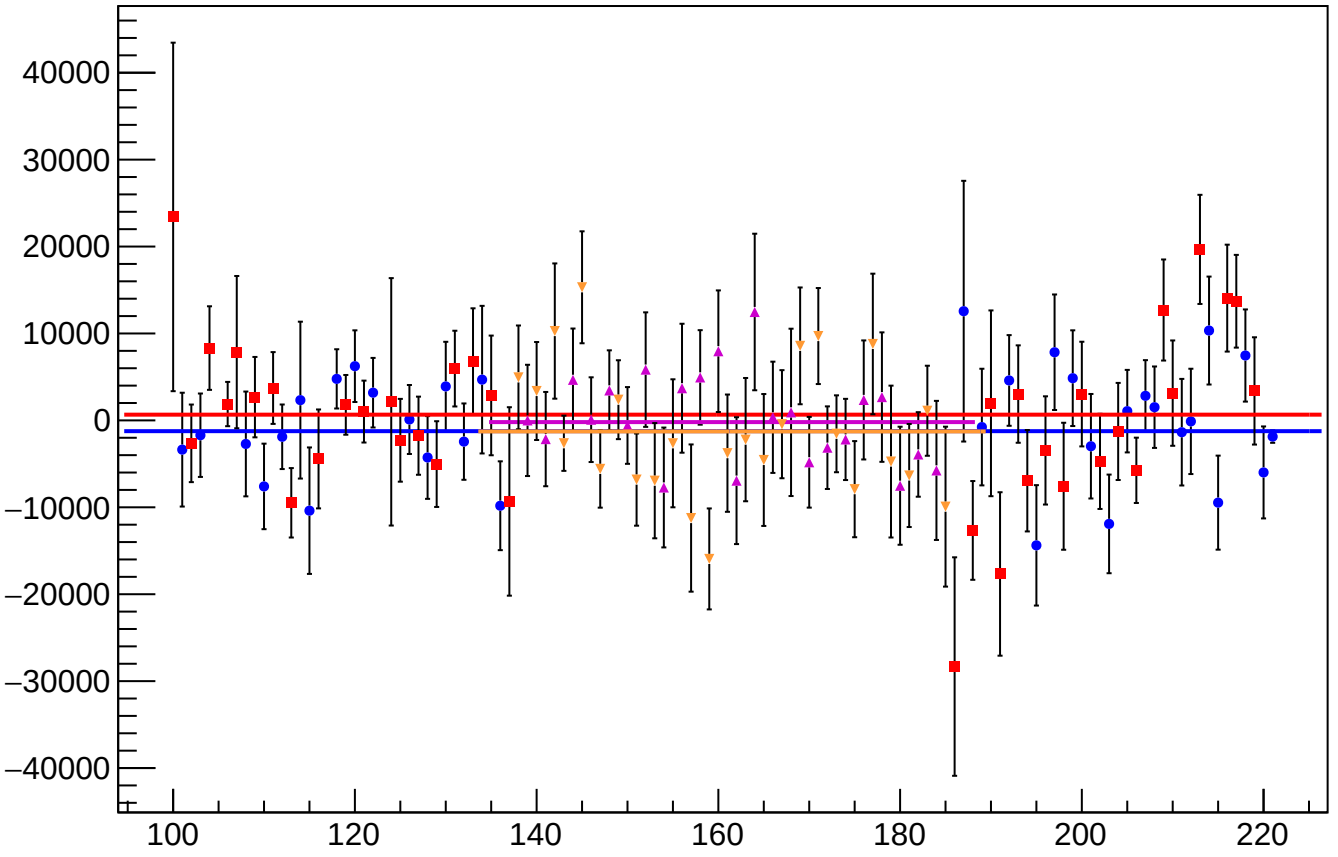
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1790.909+/-0.195 χ^2/NDF: 1263052.5/70

In: 1842.985+/-0.208 χ^2/NDF:841006.1/56

Out: 1828.458+/-0.204 χ^2/NDF:913882.4/61

All: 1835.594+/-0.146 χ^2/NDF: 1757377.4/11



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: 658.540+/-853.945 χ^2/NDF: 65.8/36

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

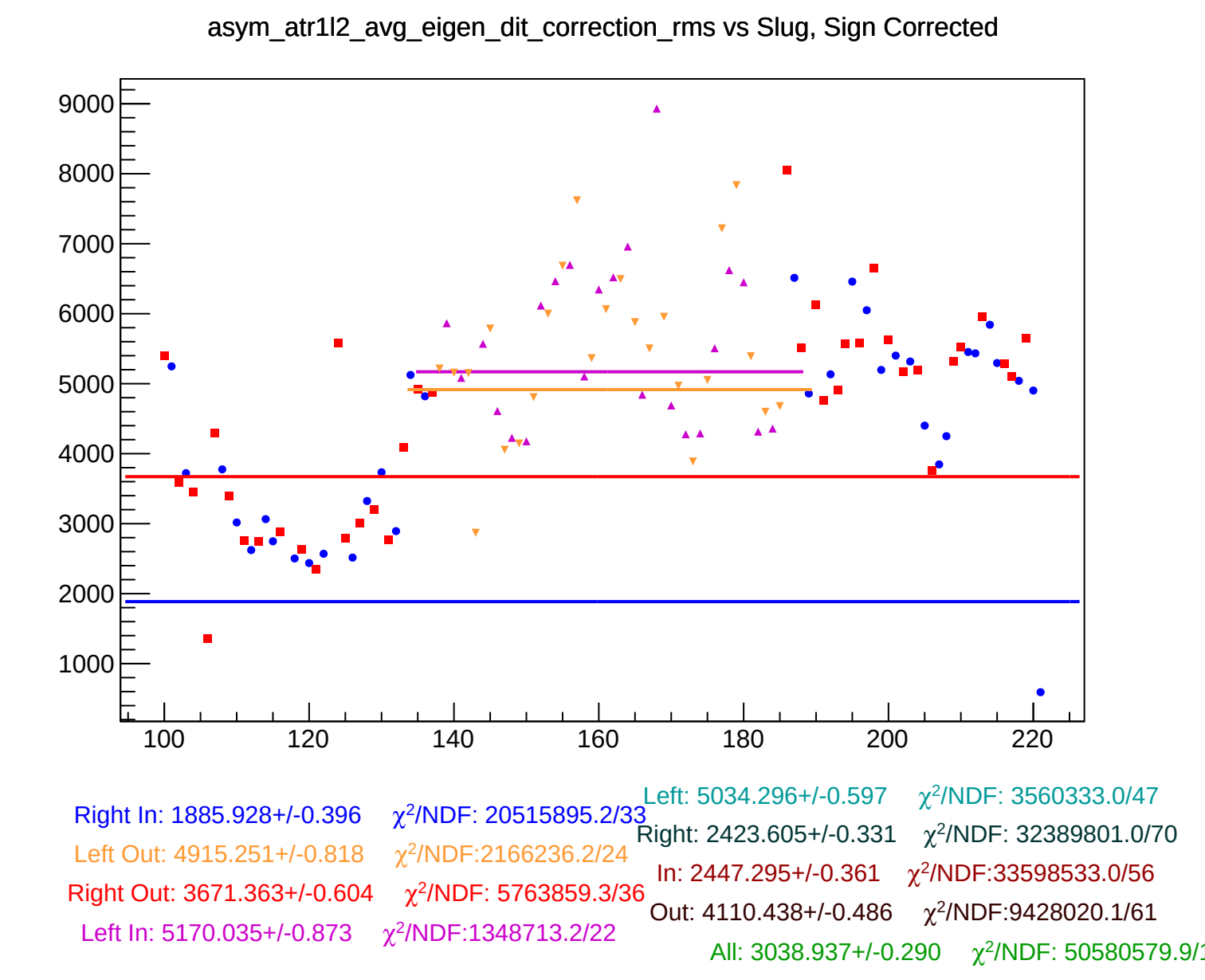
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -668.123+/-468.618 χ^2/NDF: 109.4/70

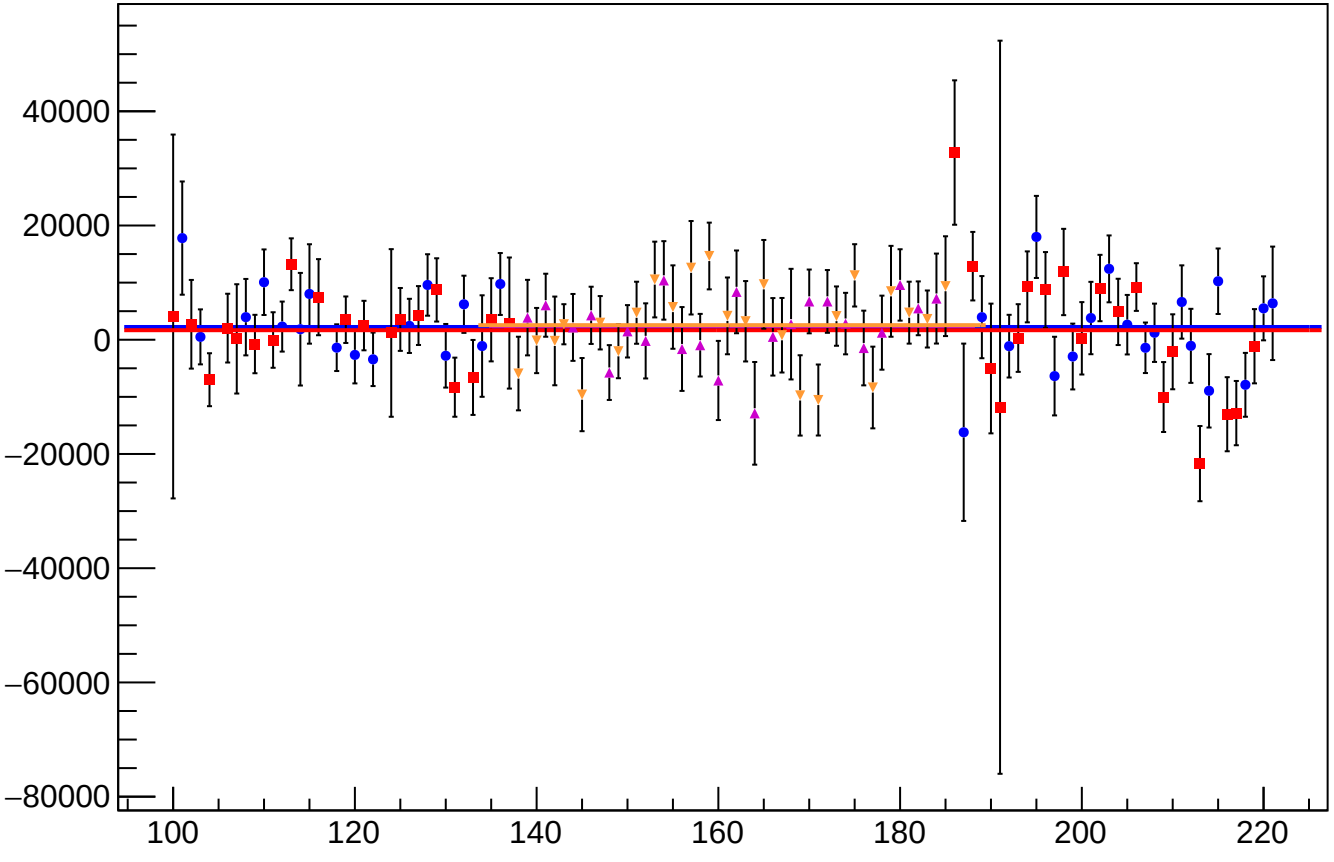
In: -1061.536+/-510.411 χ^2/NDF:53.5/56

Out: -22.125+/-686.889 χ^2/NDF:101.0/61

All: -691.779+/-409.686 χ^2/NDF: 156.0/118


asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1885.928+/-0.396 χ²/NDF: 20515895.2/33
Left Out: 4915.251+/-0.818 χ²/NDF:2166236.2/24
Right Out: 3671.363+/-0.604 χ²/NDF: 5763859.3/36
Left In: 5170.035+/-0.873 χ²/NDF:1348713.2/22
Left: 5034.296+/-0.597 χ²/NDF: 3560333.0/47
Right: 2423.605+/-0.331 χ²/NDF: 32389801.0/70
In: 2447.295+/-0.361 χ²/NDF:33598533.0/56
Out: 4110.438+/-0.486 χ²/NDF:9428020.1/61
All: 3038.937+/-0.290 χ²/NDF: 50580579.9/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 1670.241+/-1003.498 χ^2/NDF: 67.0/36

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

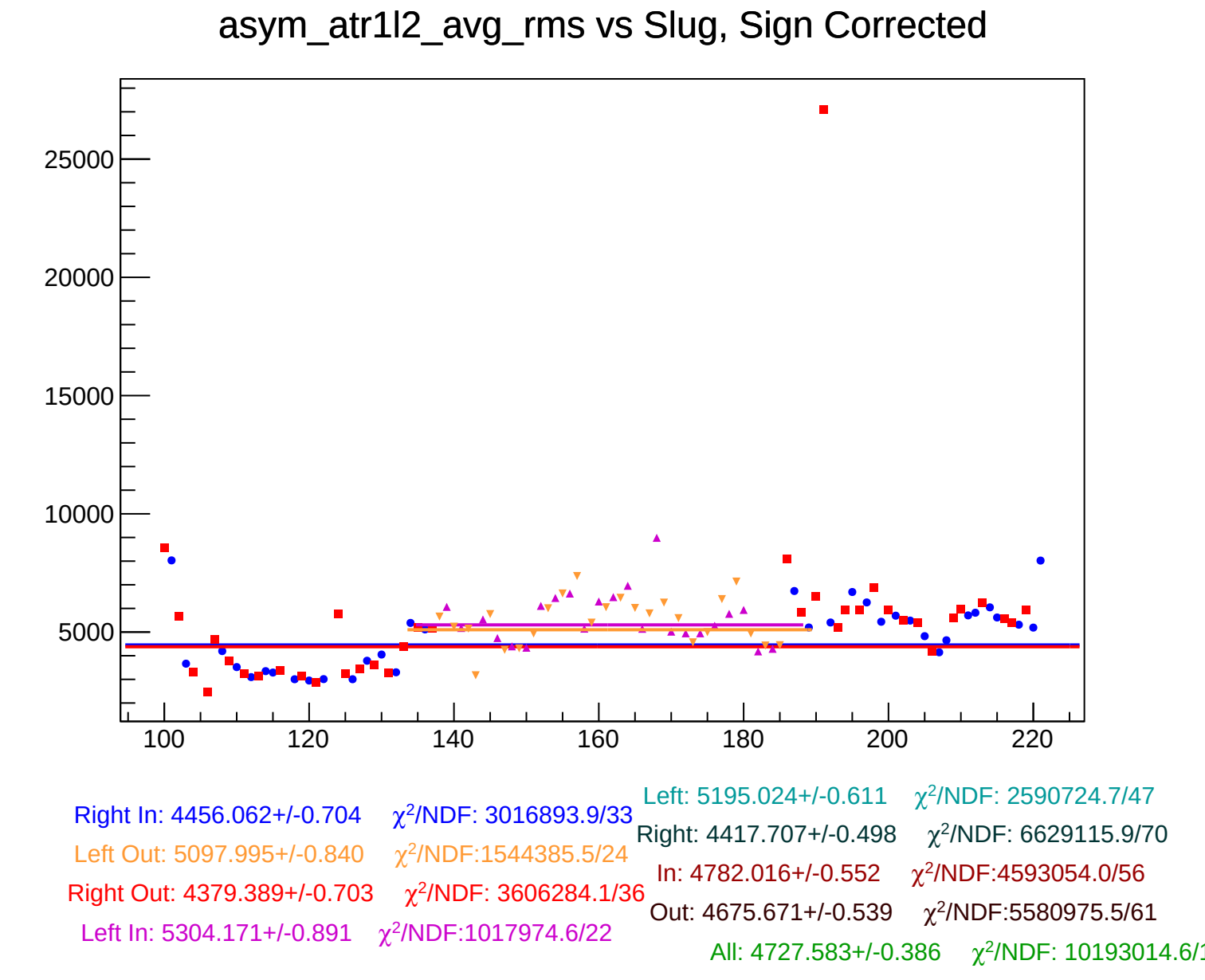
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

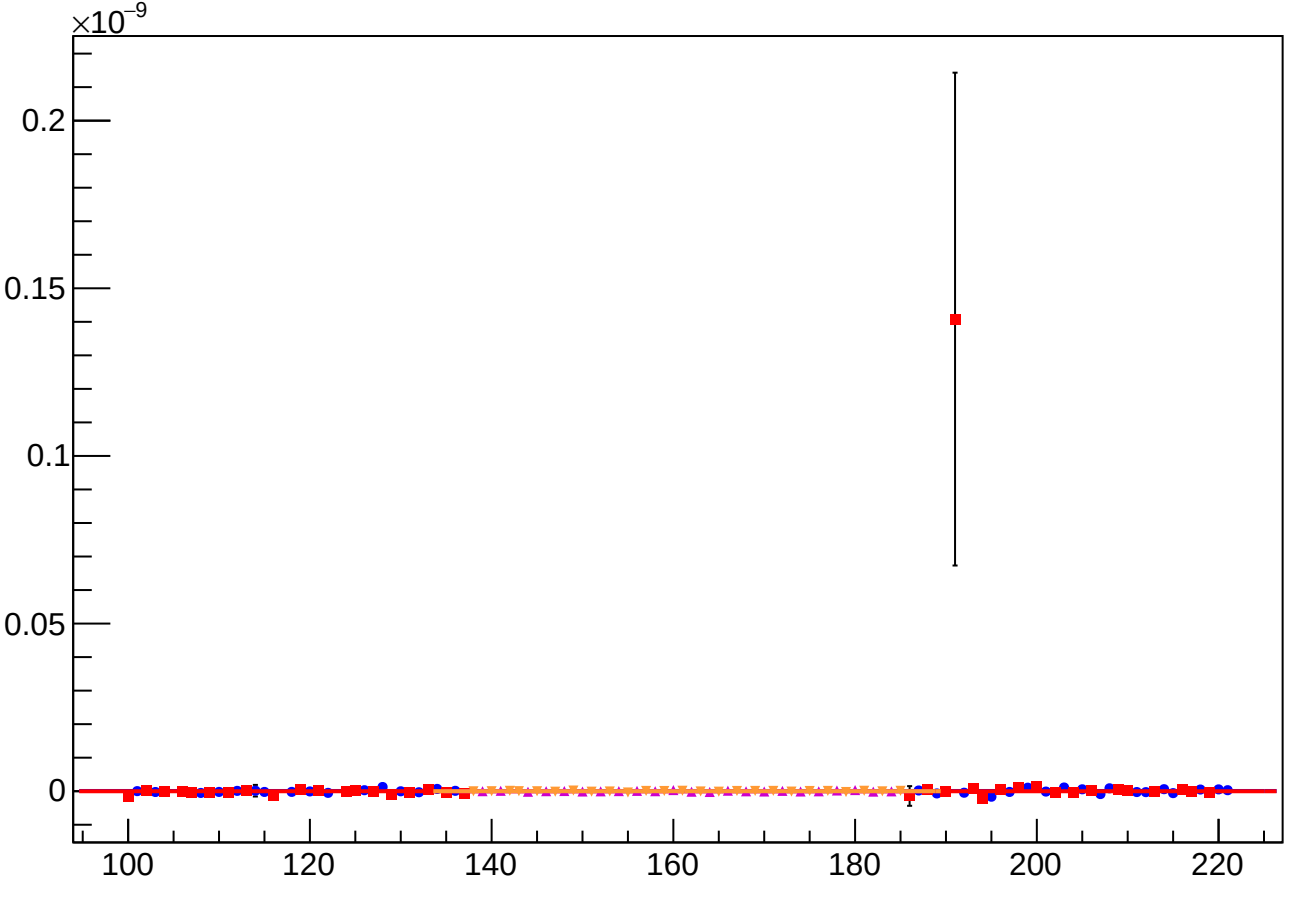
Right: 1953.721+/-706.644 χ^2/NDF: 103.0/70

In: 2305.757+/-780.915 χ^2/NDF:50.9/56

Out: 2035.474+/-766.518 χ^2/NDF:96.4/61

All: 2168.102+/-547.029 χ^2/NDF: 147.3/118


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: 4379.389+/-0.703 χ²/NDF: 3606284.1/36
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4417.707+/-0.498 χ²/NDF: 6629115.9/70
In: 4782.016+/-0.552 χ²/NDF:4593054.0/56
Out: 4675.671+/-0.539 χ²/NDF:5580975.5/61
All: 4727.583+/-0.386 χ²/NDF: 10193014.6/



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: 42.0/36

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

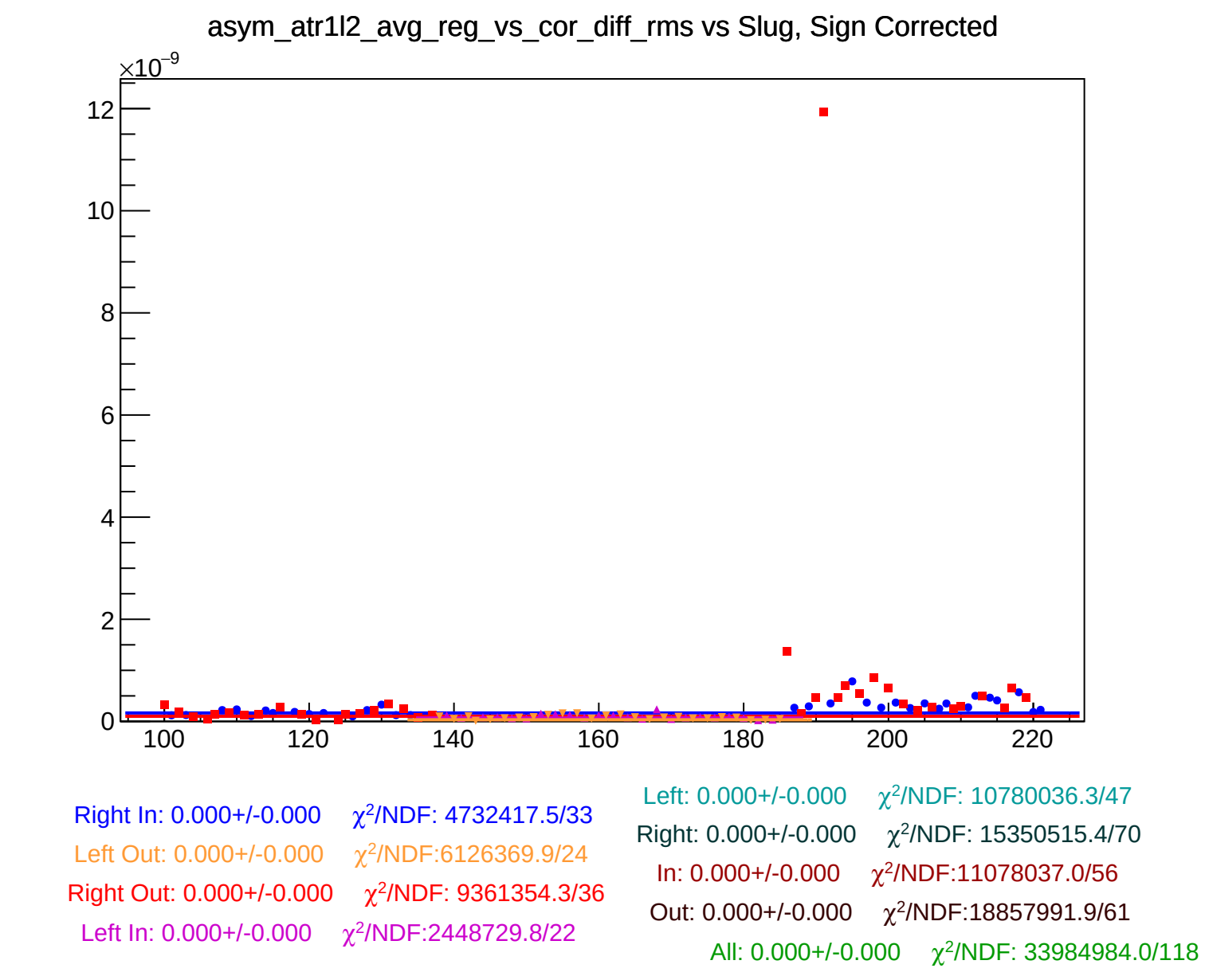
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

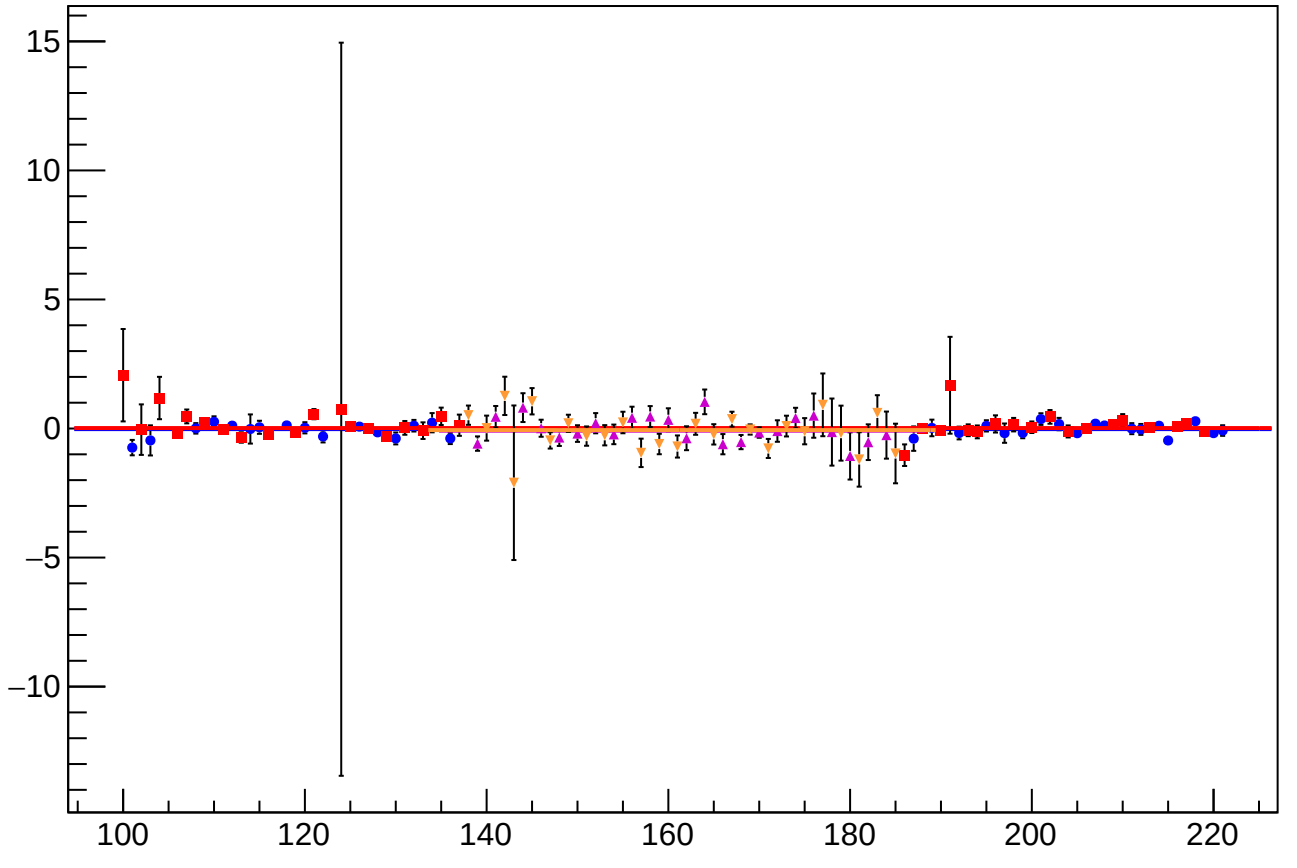
Right: 0.000+/-0.000 χ^2/NDF: 83.4/70

In: 0.000+/-0.000 χ^2/NDF:64.4/56

Out: 0.000+/-0.000 χ^2/NDF:57.3/61

All: 0.000+/-0.000 χ^2/NDF: 121.8/118


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: 9361354.3/36
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: 15350515.4/70
In: 0.000+/-0.000 χ²/NDF:11078037.0/56
Out: 0.000+/-0.000 χ²/NDF:18857991.9/61
All: 0.000+/-0.000 χ²/NDF: 33984984.0/118



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: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

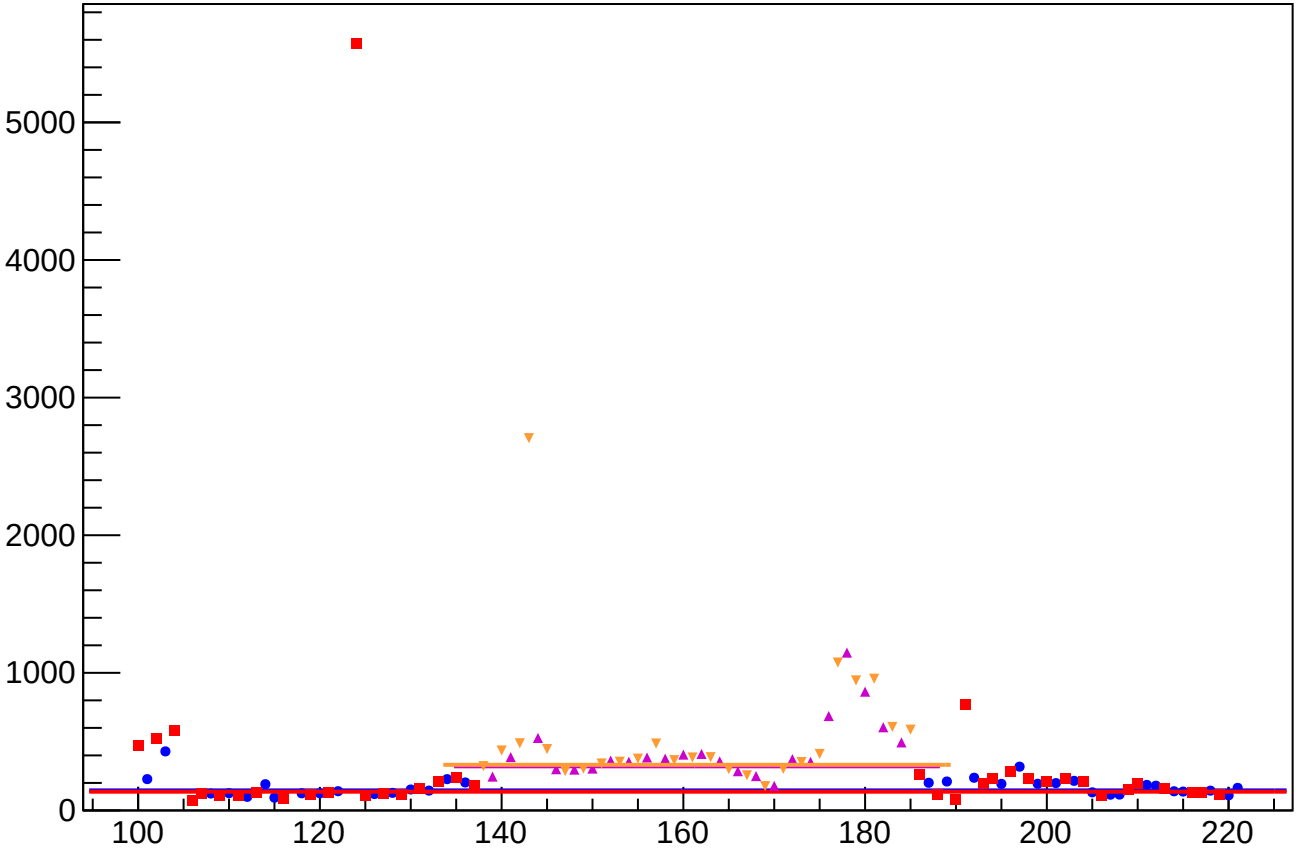
Right: -0.002+/-0.024 χ^2/NDF: 90.3/70

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.012+/-0.022 χ^2/NDF: 149.4/118

asym_atr1l2_avg_dit_vs_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: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

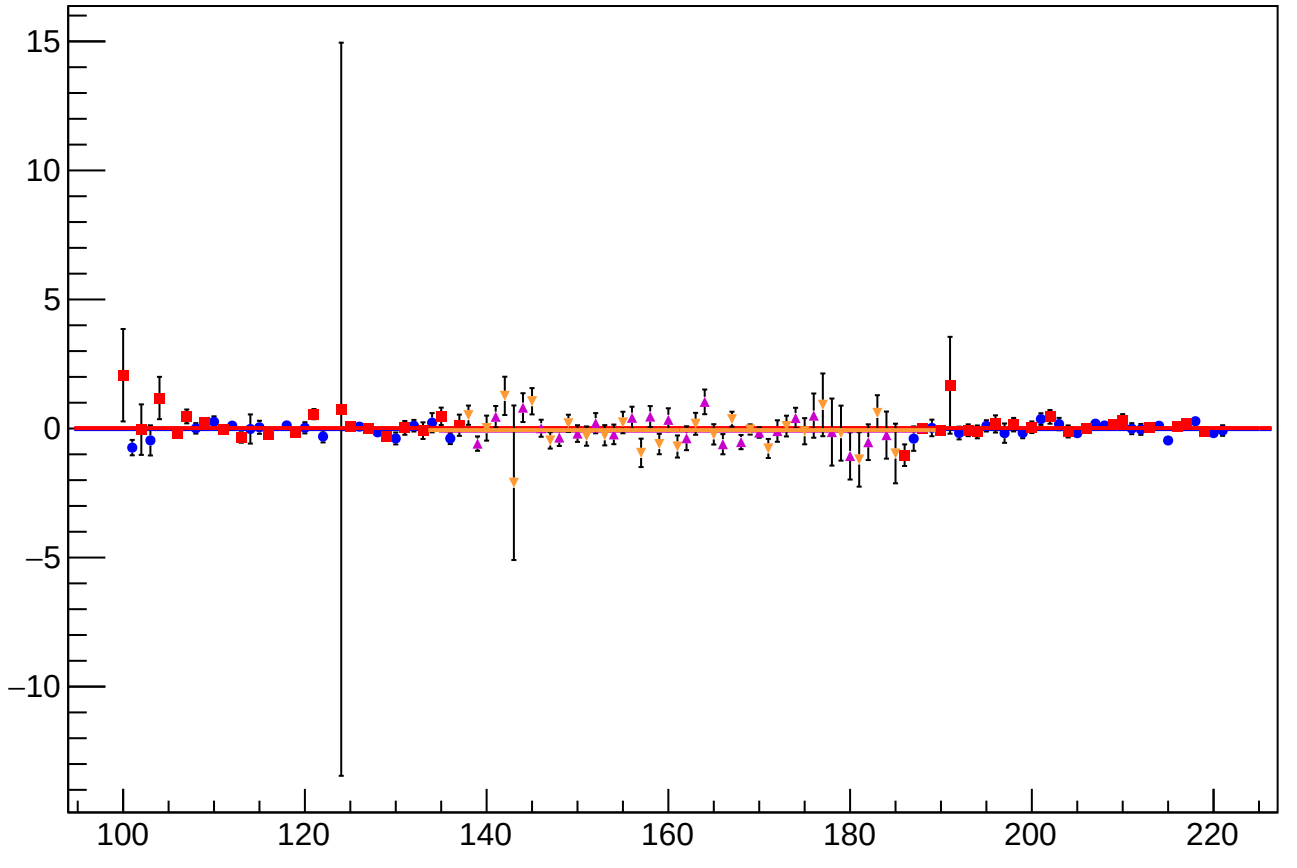
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 140.942+/-0.017 χ^2/NDF: 8390398.5/70

In: 171.860+/-0.022 χ^2/NDF:15332947.9/56

Out: 162.951+/-0.022 χ^2/NDF:20387597.7/61

All: 167.335+/-0.016 χ^2/NDF: 35802524.0/11



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: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

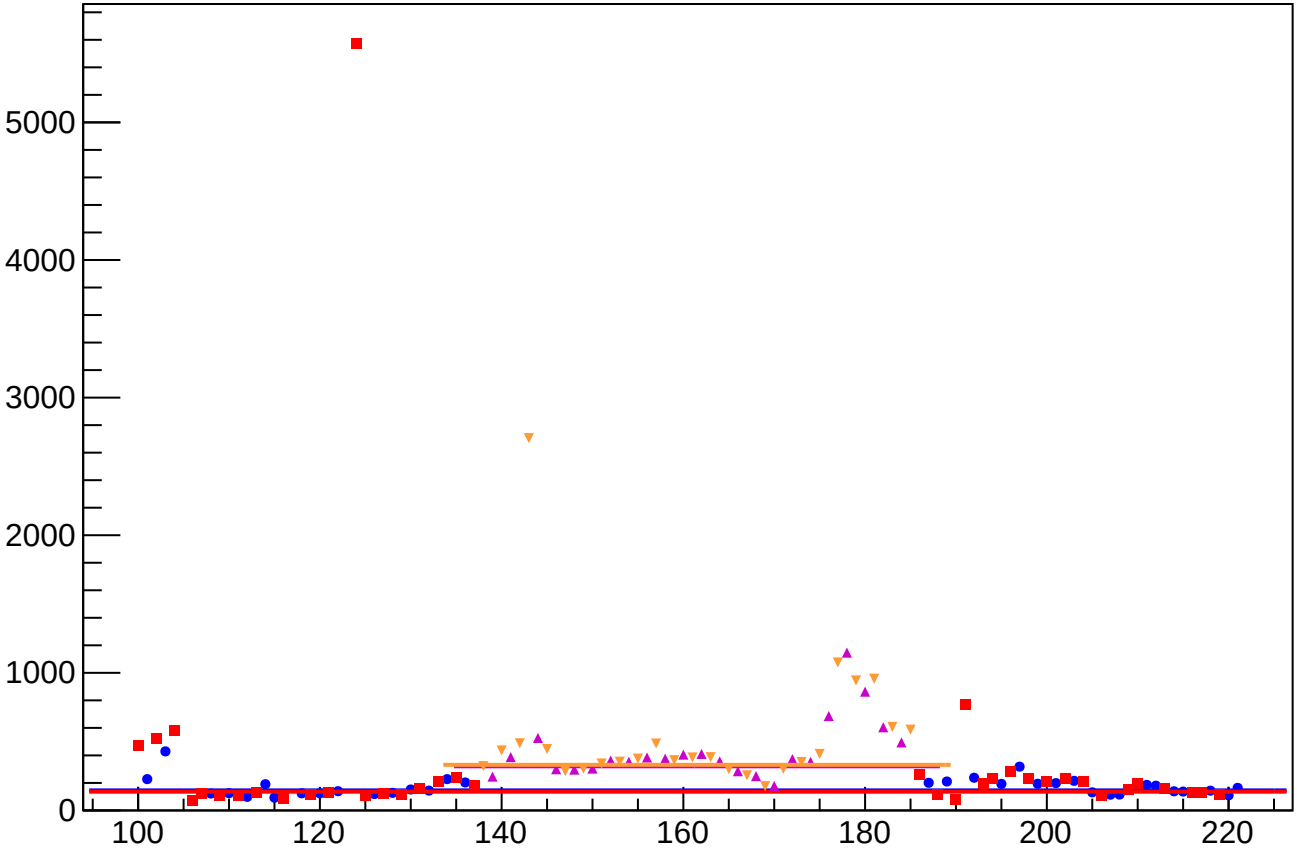
Right: -0.002+/-0.024 χ^2/NDF: 90.3/70

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.012+/-0.022 χ^2/NDF: 149.4/118

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: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

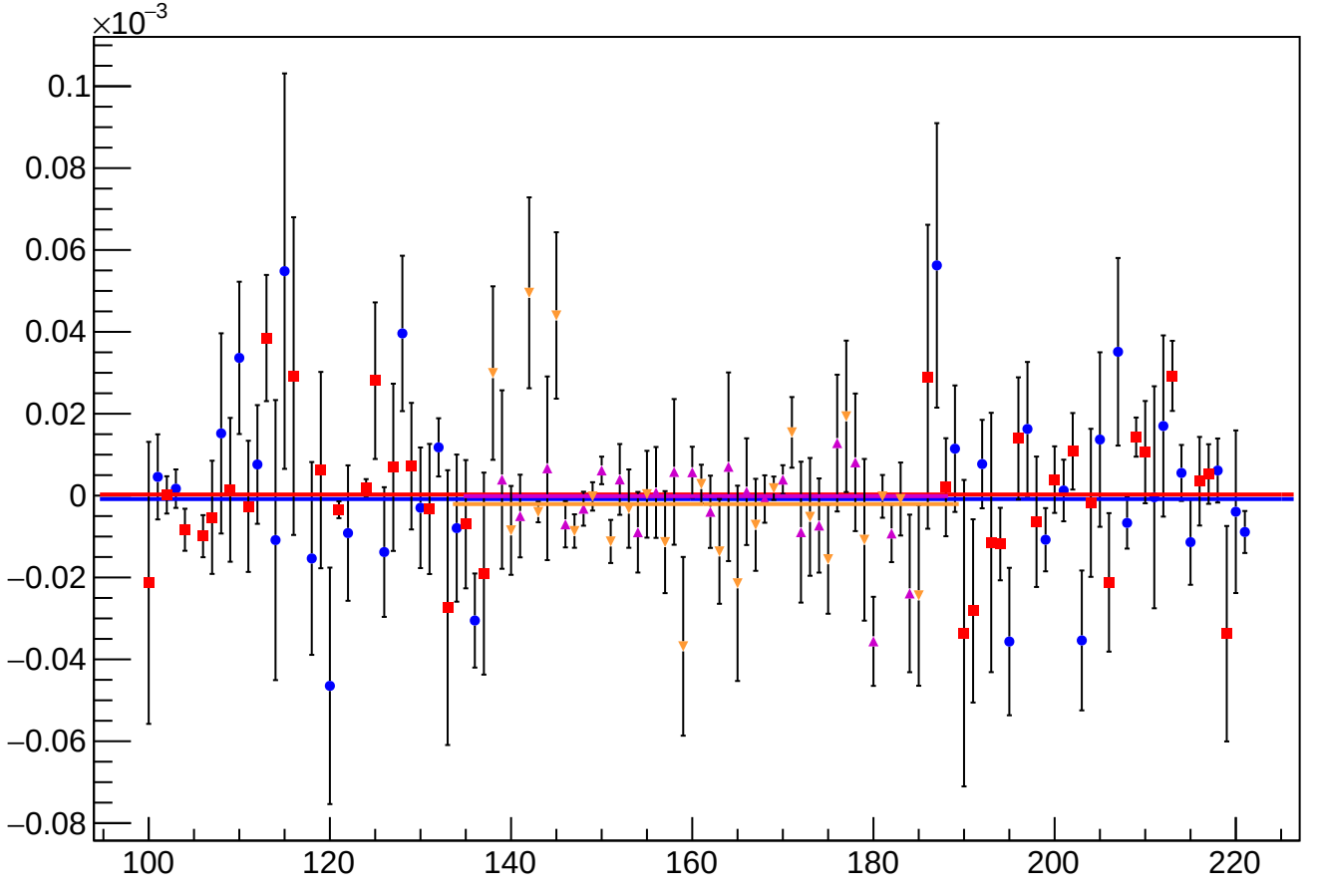
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 140.942+/-0.017 χ^2/NDF: 8390398.5/70

In: 171.860+/-0.022 χ^2/NDF:15332947.9/56

Out: 162.951+/-0.022 χ^2/NDF:20387597.7/61

All: 167.335+/-0.016 χ^2/NDF: 35802524.0/11



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: 54.2/36

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

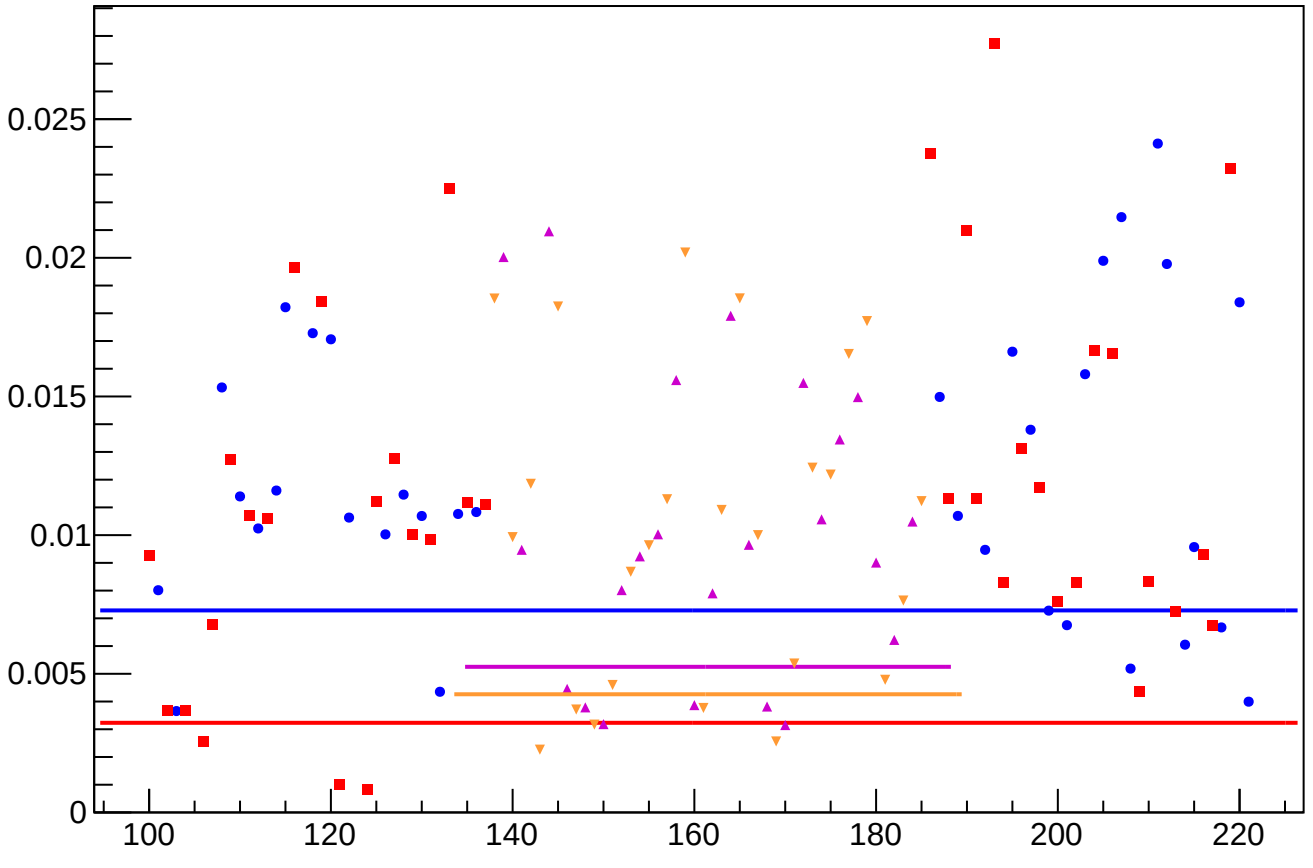
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 103.2/70

In: -0.000+/-0.000 χ^2/NDF:73.7/56

Out: -0.000+/-0.000 χ^2/NDF:91.0/61

All: -0.000+/-0.000 χ^2/NDF: 164.7/118



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: 23011104.6/36

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

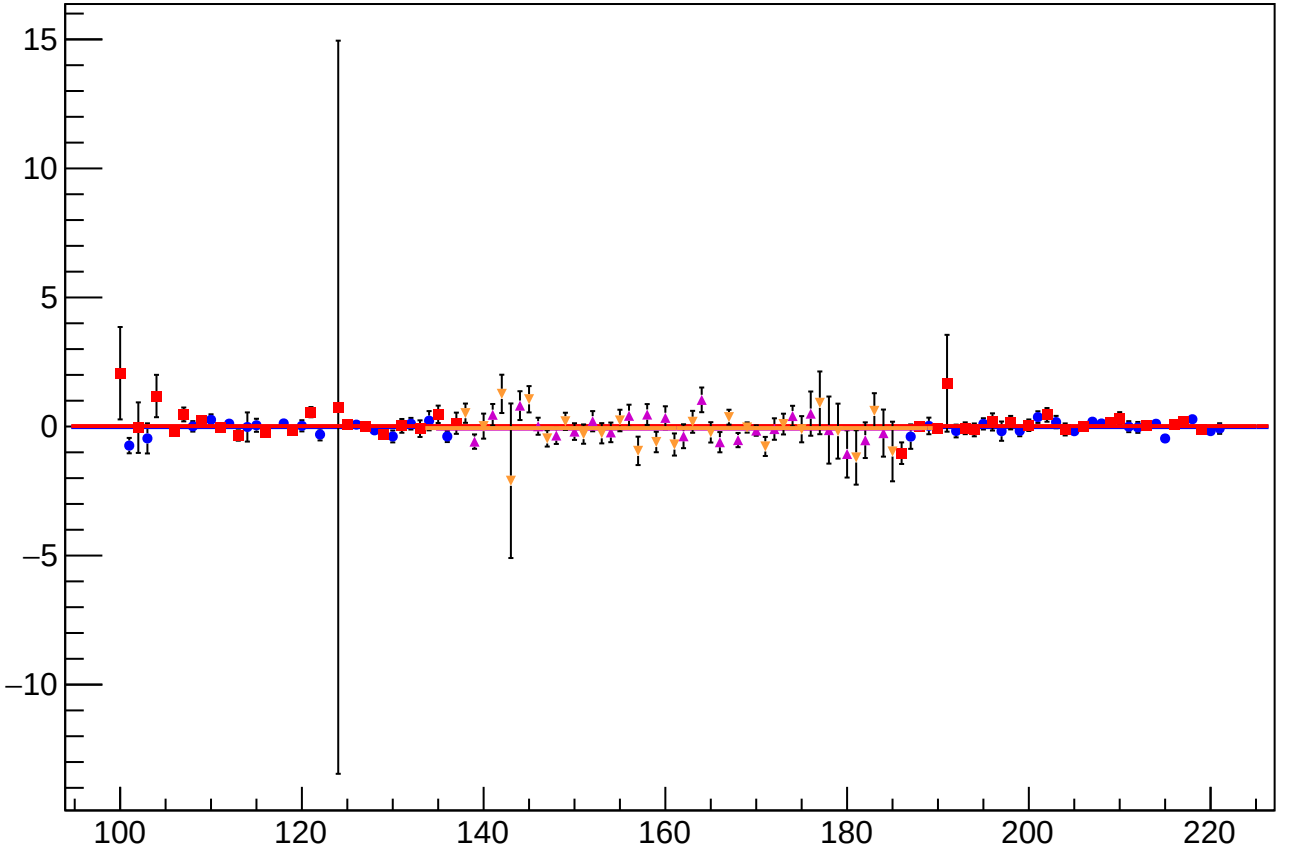
Right: 0.004+/-0.000 χ^2/NDF: 39651044.4/70

In: 0.006+/-0.000 χ^2/NDF:20605564.0/56

Out: 0.004+/-0.000 χ^2/NDF:36732540.3/61

All: 0.004+/-0.000 χ^2/NDF: 62780414.9/118

asym_atr1l2_avg_eigen_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: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

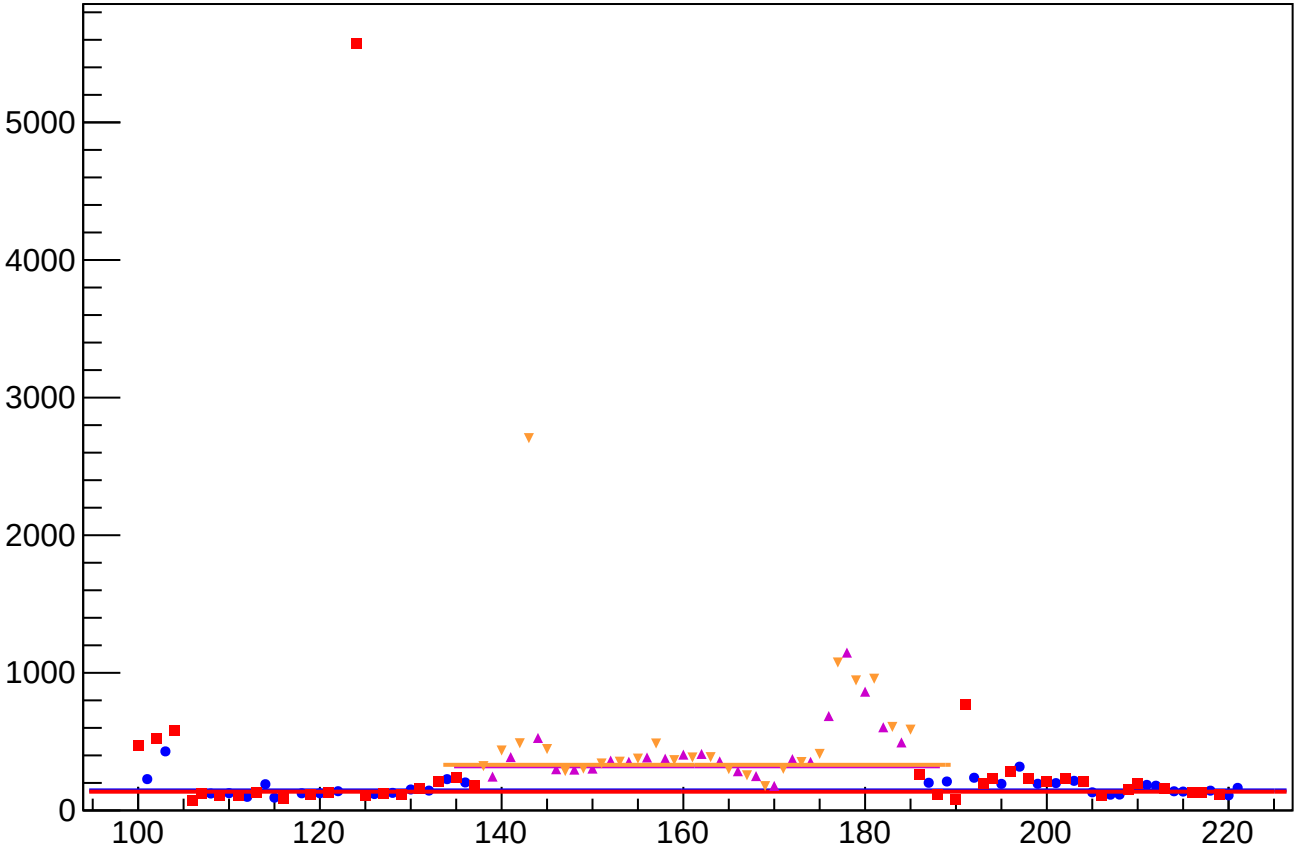
Right: -0.002+/-0.024 χ^2/NDF: 90.3/70

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.012+/-0.022 χ^2/NDF: 149.4/118

asym_atr1l2_avg_eigen_dit_vs_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: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

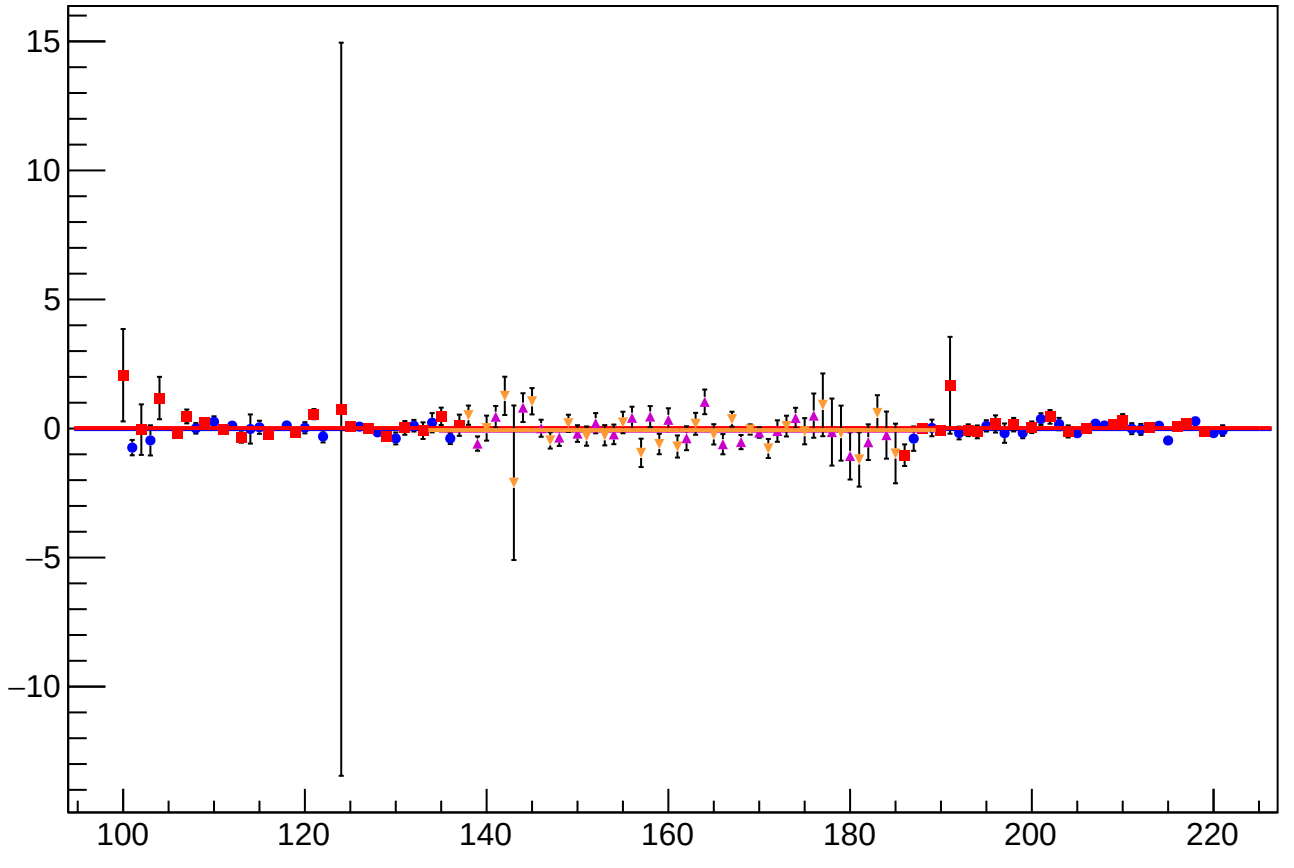
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 140.941+/-0.017 χ^2/NDF: 8390466.3/70

In: 171.859+/-0.022 χ^2/NDF:15333125.3/56

Out: 162.949+/-0.022 χ^2/NDF:20387933.6/61

All: 167.334+/-0.016 χ^2/NDF: 35803056.5/11



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: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

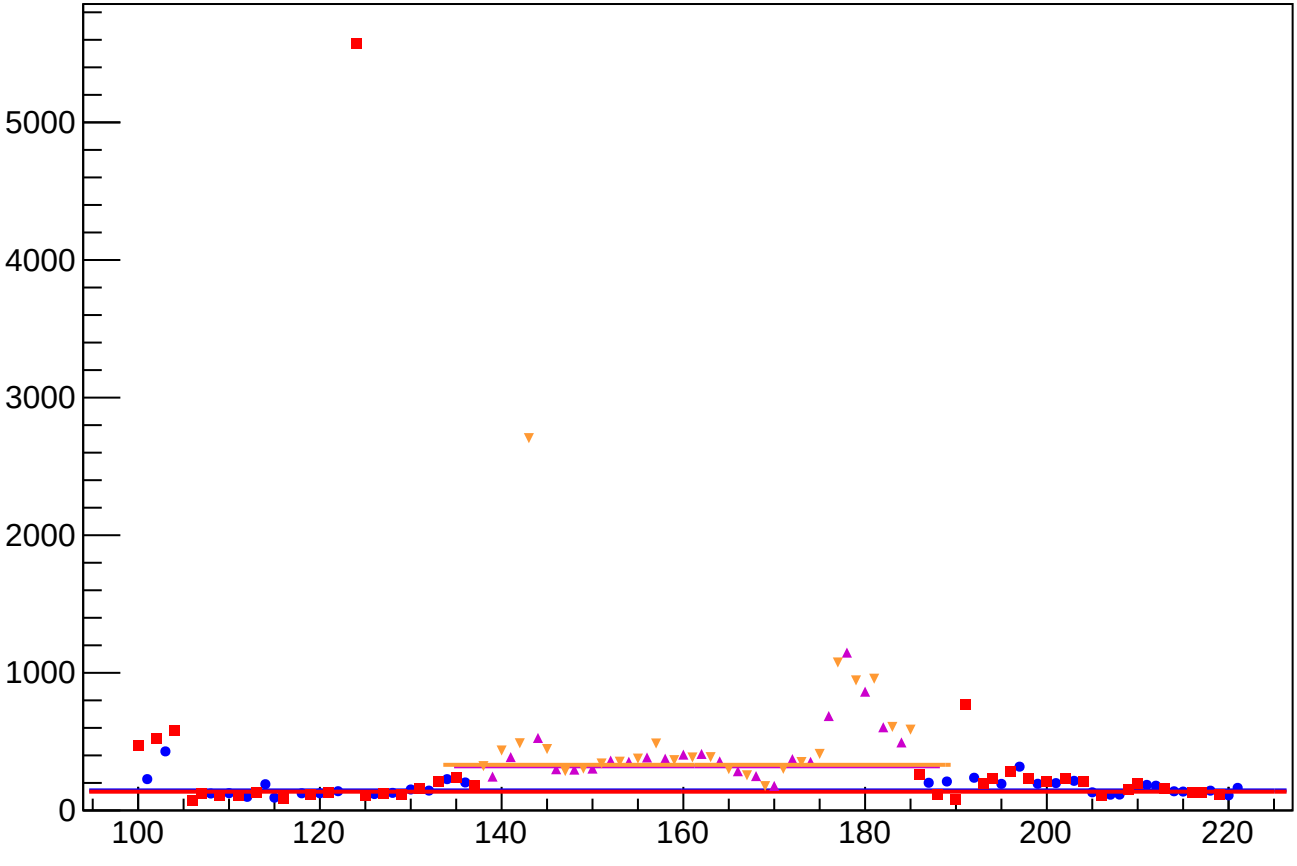
Right: -0.002+/-0.024 χ^2/NDF: 90.3/70

In: -0.032+/-0.031 χ^2/NDF:71.5/56

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.012+/-0.022 χ^2/NDF: 149.4/118

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: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

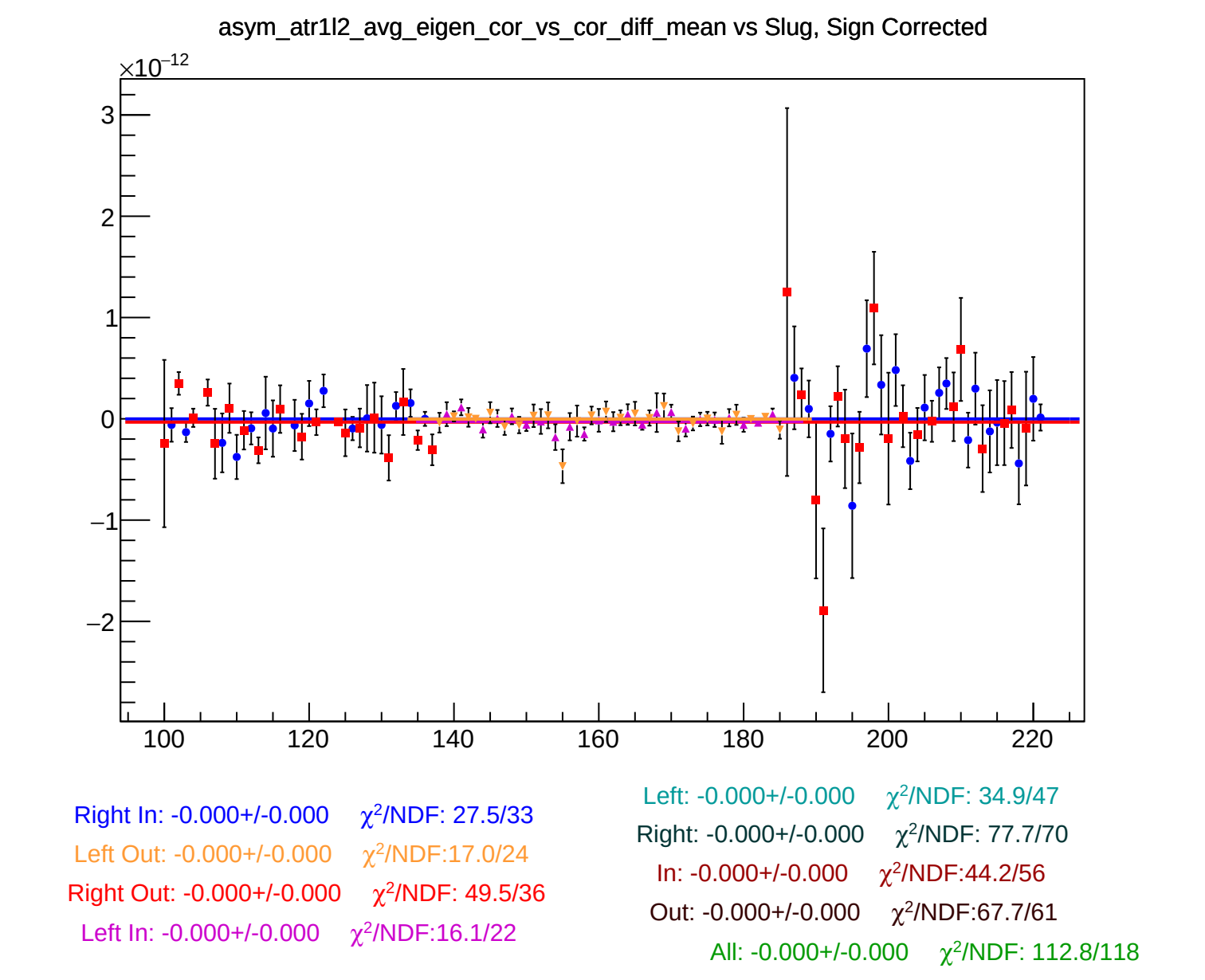
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

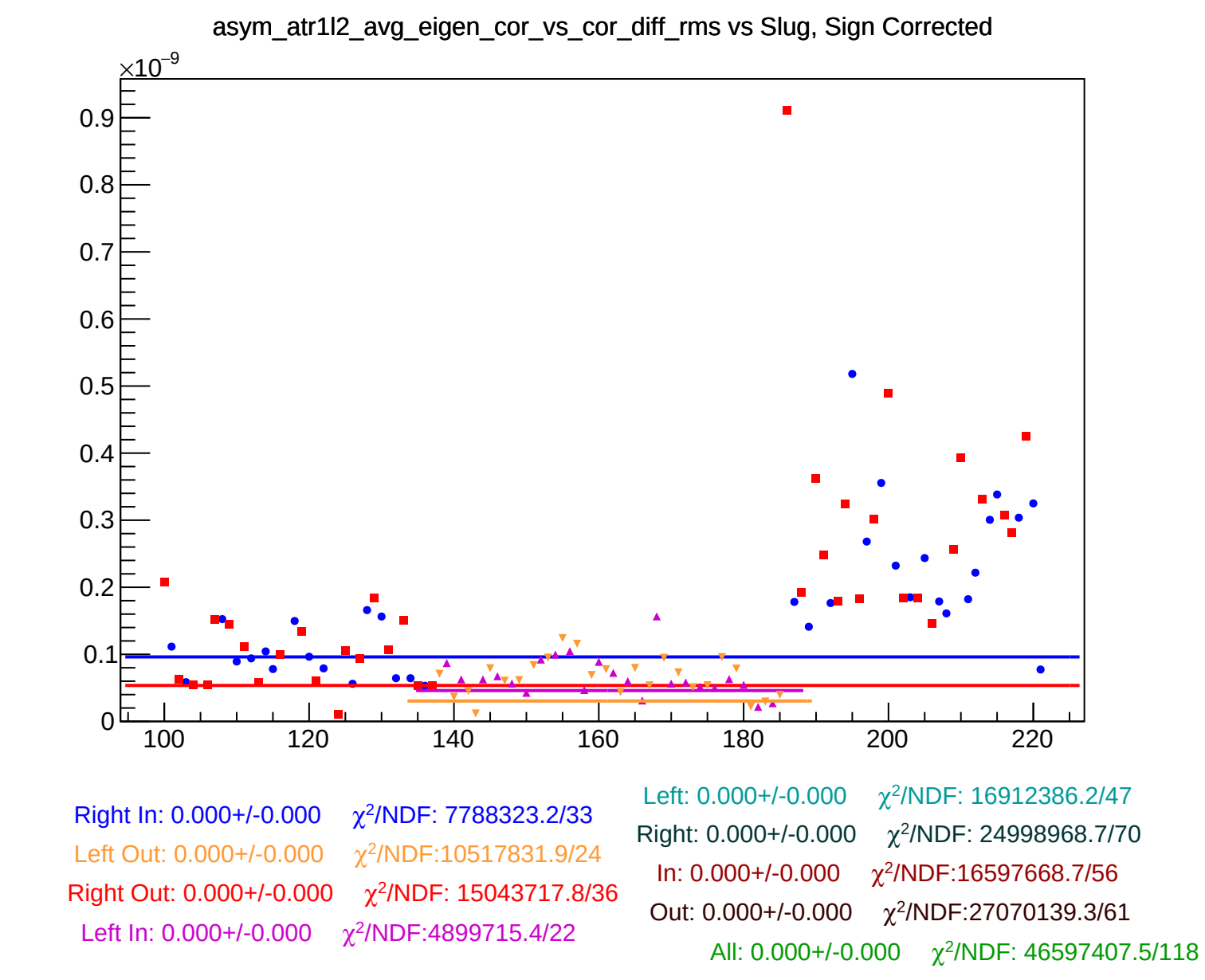
Right: 140.941+/-0.017 χ^2/NDF: 8390466.3/70

In: 171.859+/-0.022 χ^2/NDF:15333125.3/56

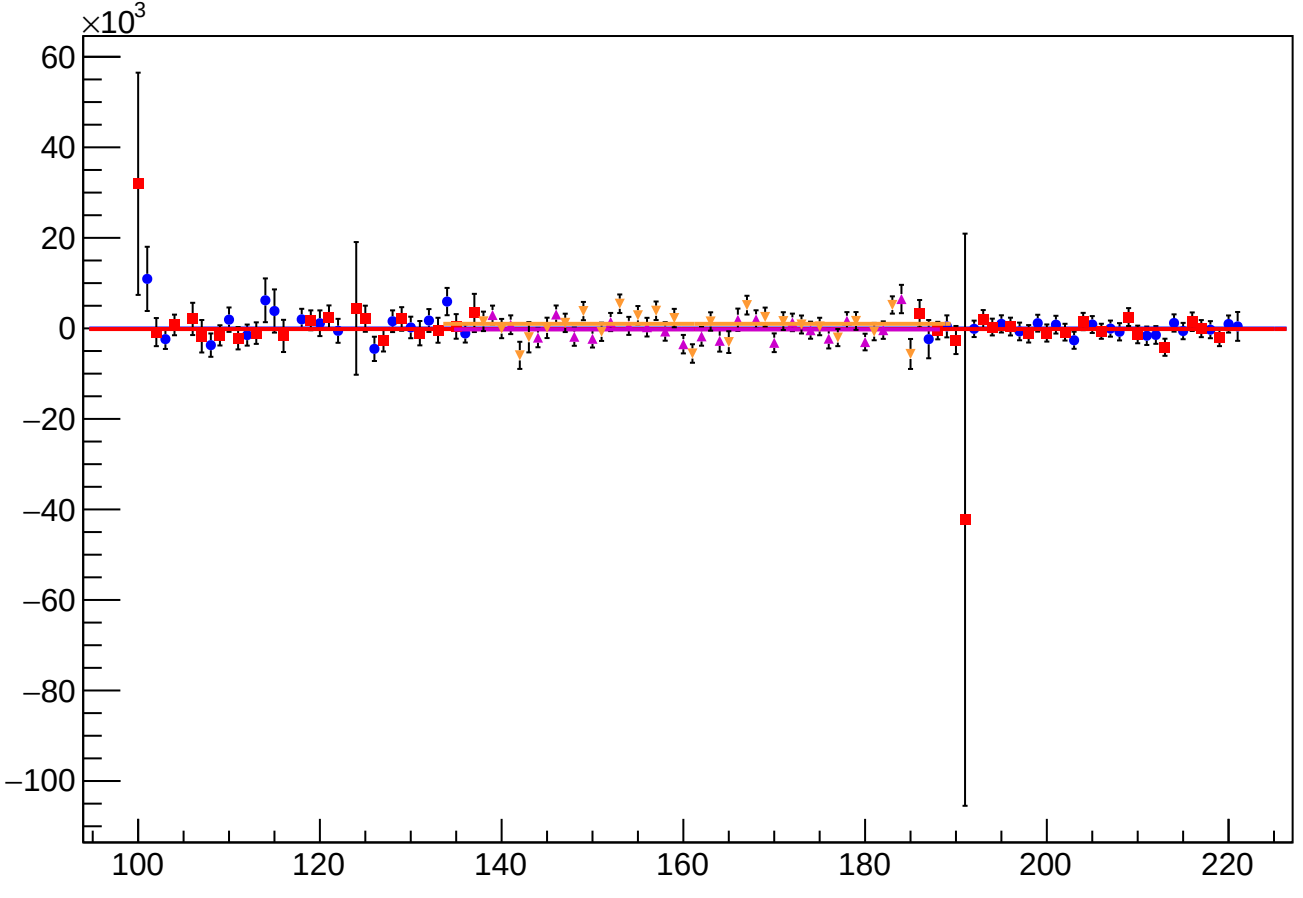
Out: 162.949+/-0.022 χ^2/NDF:20387933.6/61

All: 167.334+/-0.016 χ^2/NDF: 35803056.5/1


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: 49.5/36
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: 77.7/70
In: -0.000+/-0.000 χ²/NDF:44.2/56
Out: -0.000+/-0.000 χ²/NDF:67.7/61
All: -0.000+/-0.000 χ²/NDF: 112.8/118


asym_atr1l2_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: 7788323.2/33
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 15043717.8/36
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 24998968.7/70
In: 0.000+/-0.000 χ²/NDF:16597668.7/56
Out: 0.000+/-0.000 χ²/NDF:27070139.3/61
All: 0.000+/-0.000 χ²/NDF: 46597407.5/118

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: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

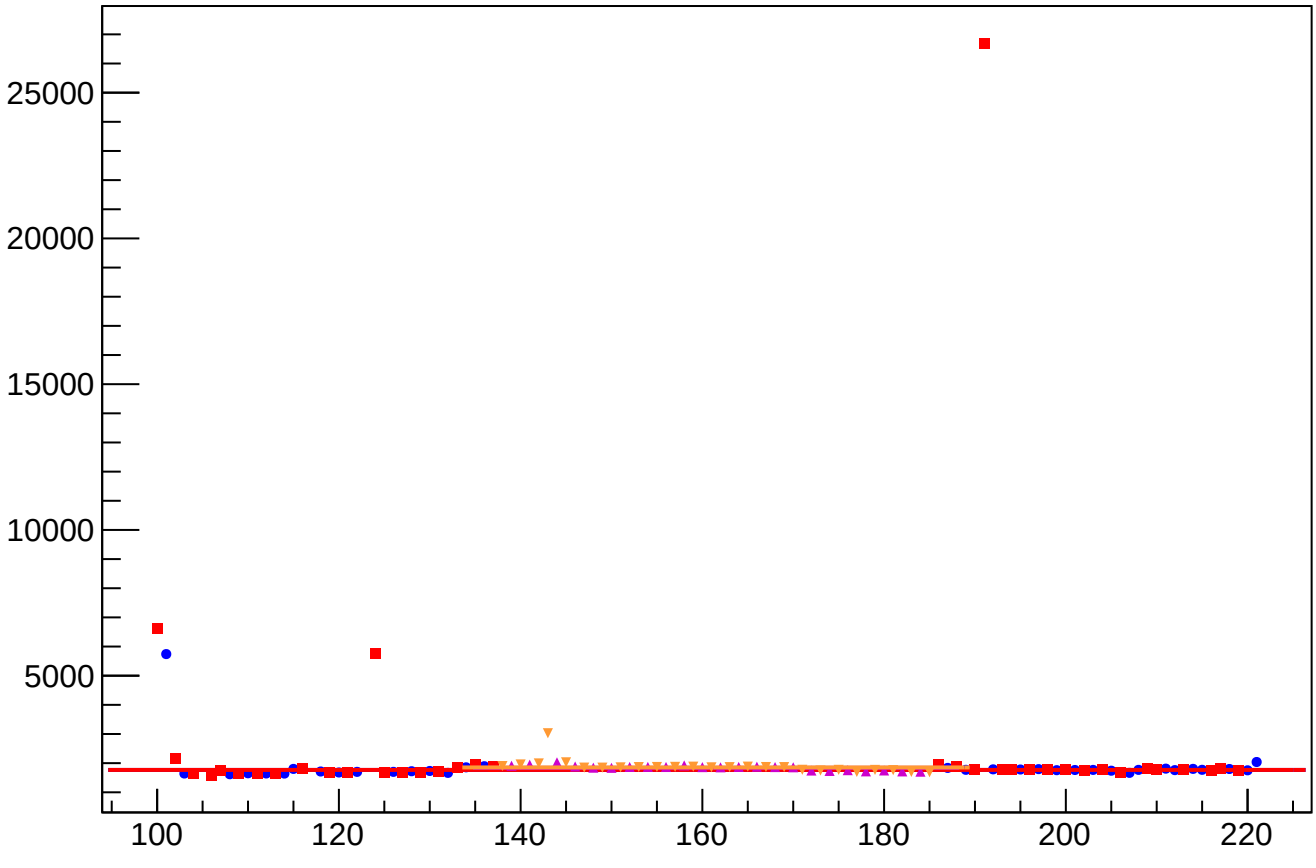
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: -91.374+/-272.799 χ^2/NDF: 45.8/70

In: -120.087+/-286.515 χ^2/NDF:49.8/56

Out: 376.174+/-285.463 χ^2/NDF:73.9/61

All: 128.956+/-202.224 χ^2/NDF: 125.2/118



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: 1767.423+/-0.273 χ^2/NDF: 647268.7/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

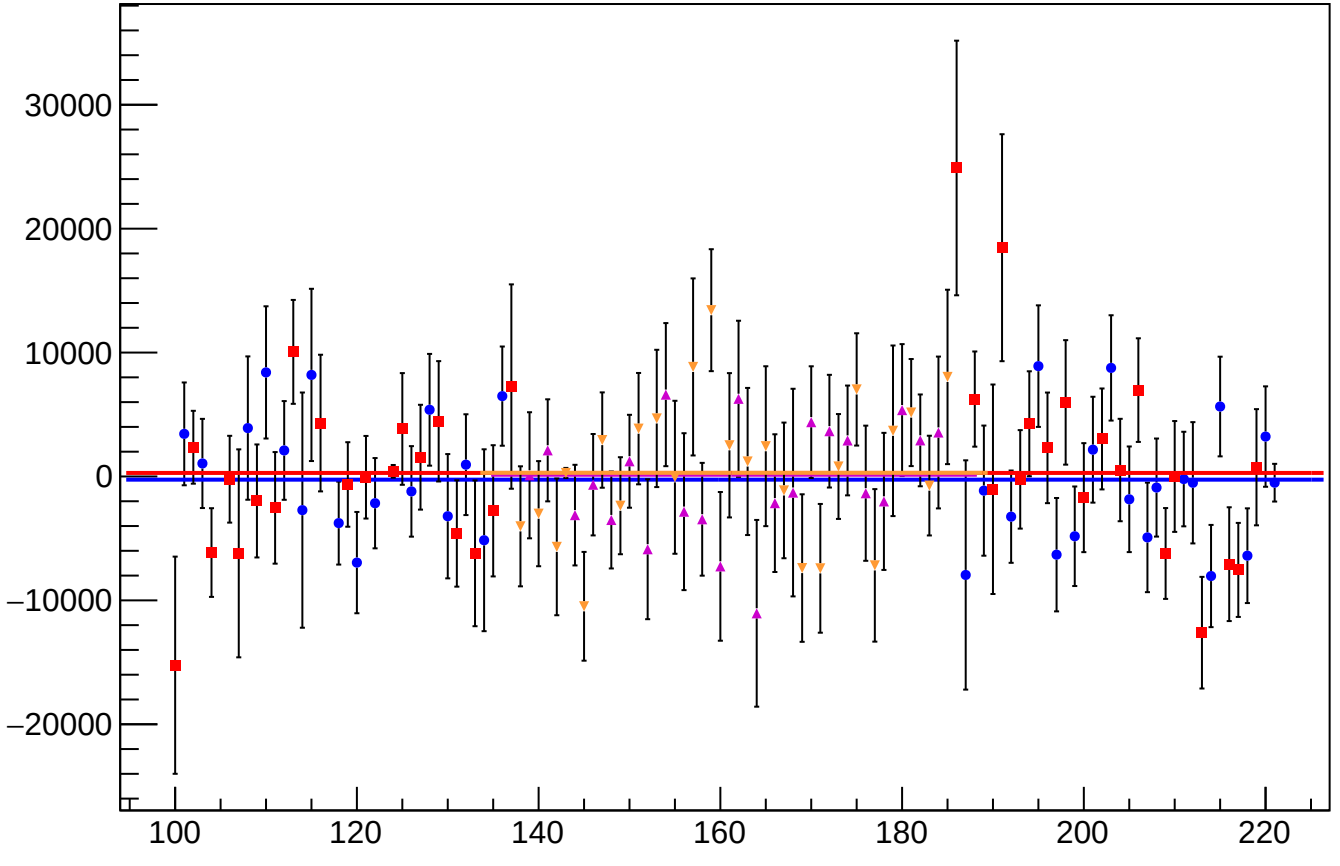
Right: 1766.892+/-0.193 χ^2/NDF: 1343209.8/70

In: 1798.449+/-0.203 χ^2/NDF:795738.8/56

Out: 1806.152+/-0.202 χ^2/NDF:1012519.5/61

All: 1802.320+/-0.143 χ^2/NDF: 1808984.8/11

asym_atr1l2_dd_reg_correction_mean vs Slug, Sign Corrected



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: 284.591+/-420.925 χ^2/NDF: 55.1/36

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

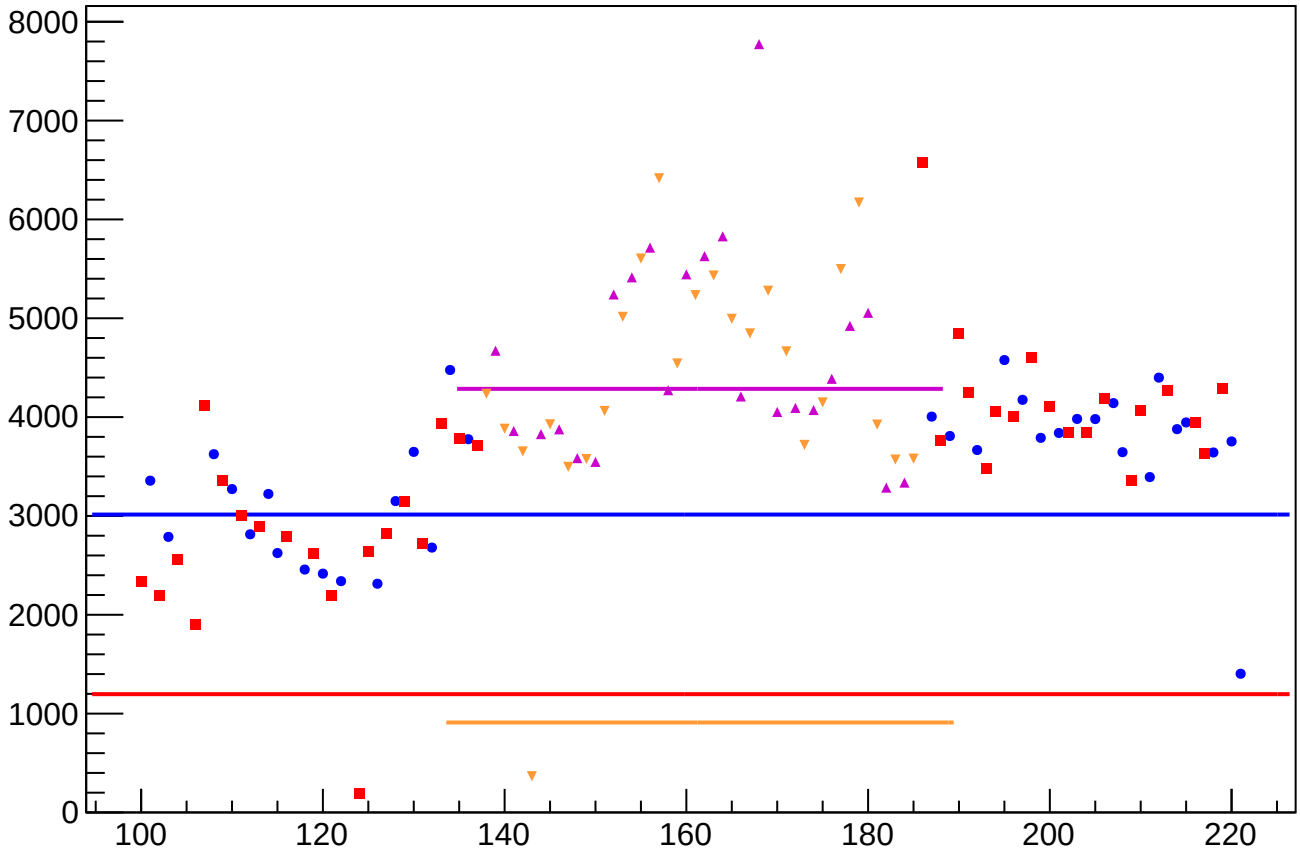
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 134.020+/-357.772 χ^2/NDF: 94.0/70

In: -136.682+/-565.771 χ^2/NDF:52.4/56

Out: 290.000+/-282.031 χ^2/NDF:85.1/61

All: 205.076+/-252.408 χ^2/NDF: 138.0/118



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: 1196.710+/-0.298 χ^2/NDF: 26359722.3/36

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

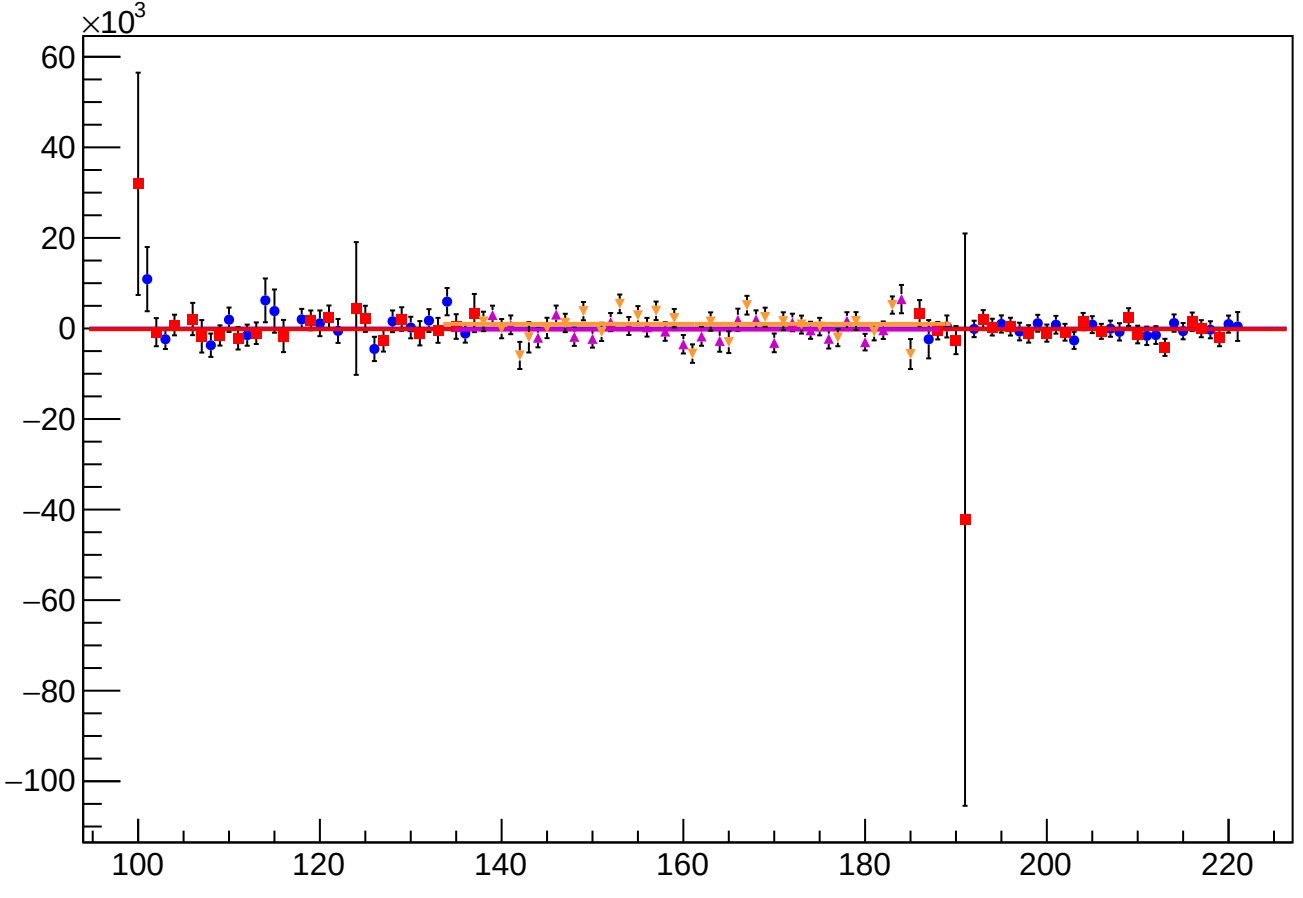
Right: 1701.110+/-0.253 χ^2/NDF: 40941473.4/70

In: 3403.048+/-0.400 χ^2/NDF:7708605.8/56

Out: 1038.788+/-0.199 χ^2/NDF:53644703.7/61

All: 1509.354+/-0.178 χ^2/NDF: 89327203.8/1

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

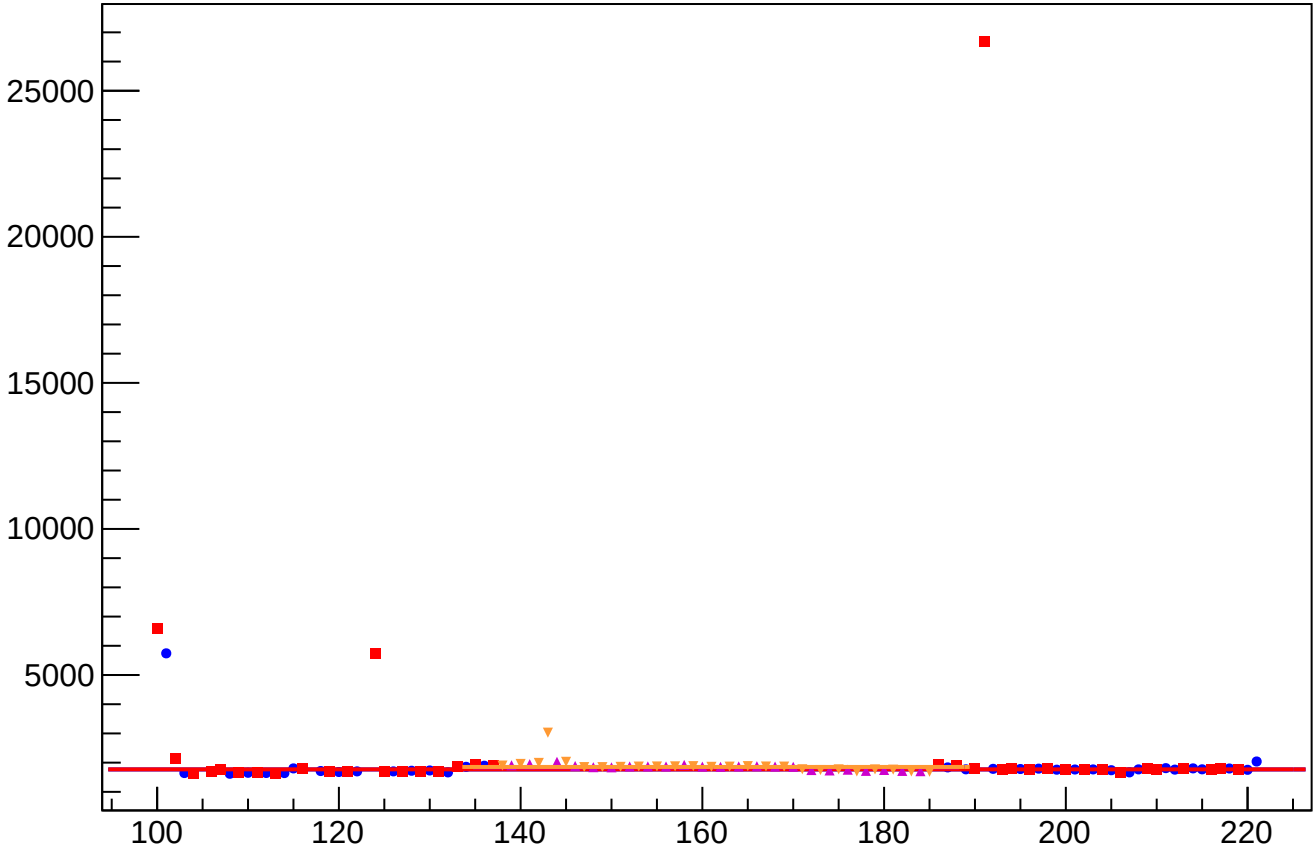
Right: -91.461+/-272.799 χ^2/NDF: 45.8/70

In: -120.146+/-286.515 χ^2/NDF:49.8/56

Out: 376.154+/-285.463 χ^2/NDF:73.9/61

All: 128.917+/-202.224 χ^2/NDF: 125.2/118

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: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

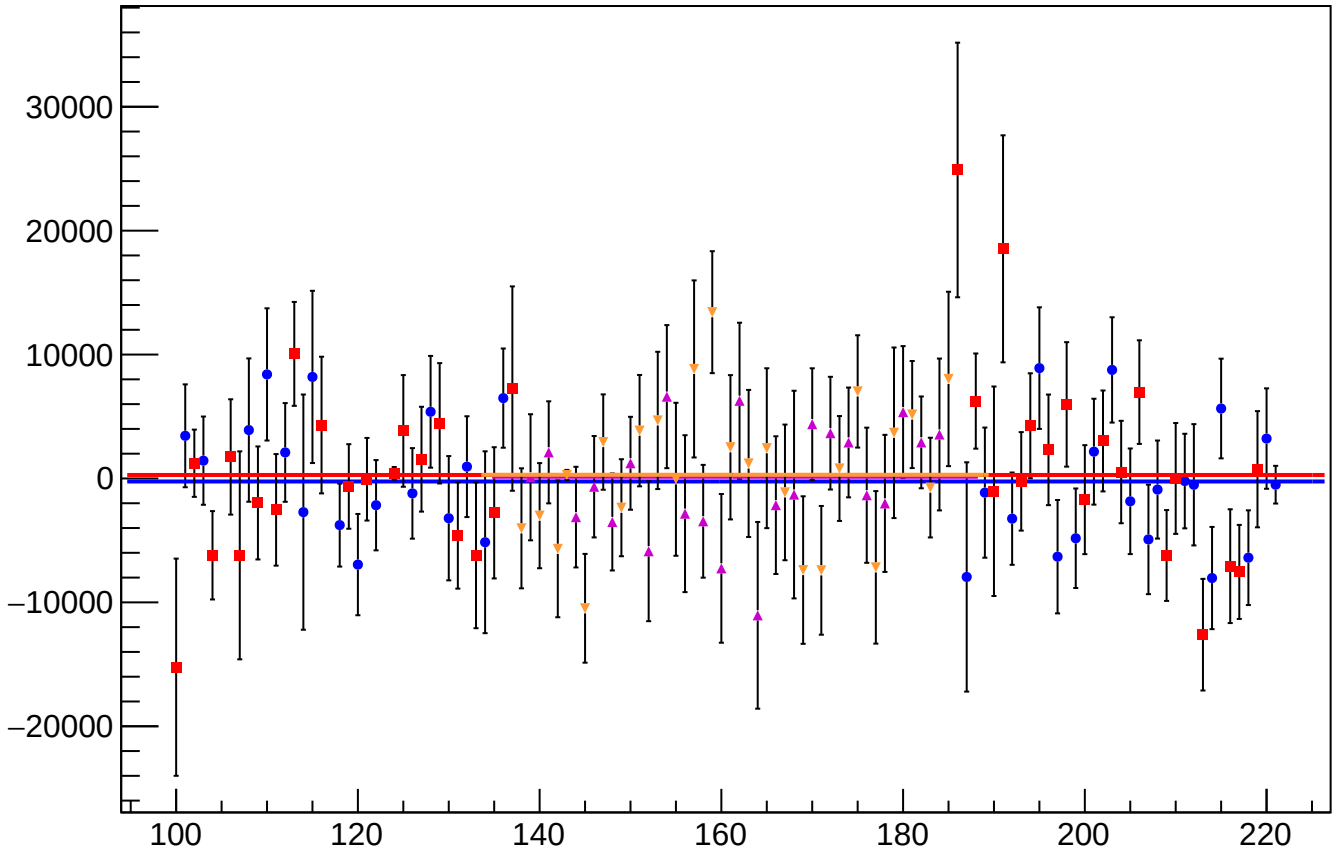
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1768.096+/-0.193 χ^2/NDF: 1335055.0/70

In: 1798.449+/-0.203 χ^2/NDF:795739.1/56

Out: 1807.524+/-0.202 χ^2/NDF:1001761.7/61

All: 1803.007+/-0.143 χ^2/NDF: 1798508.5/11



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: 282.548+/-421.635 χ^2/NDF: 54.9/36

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

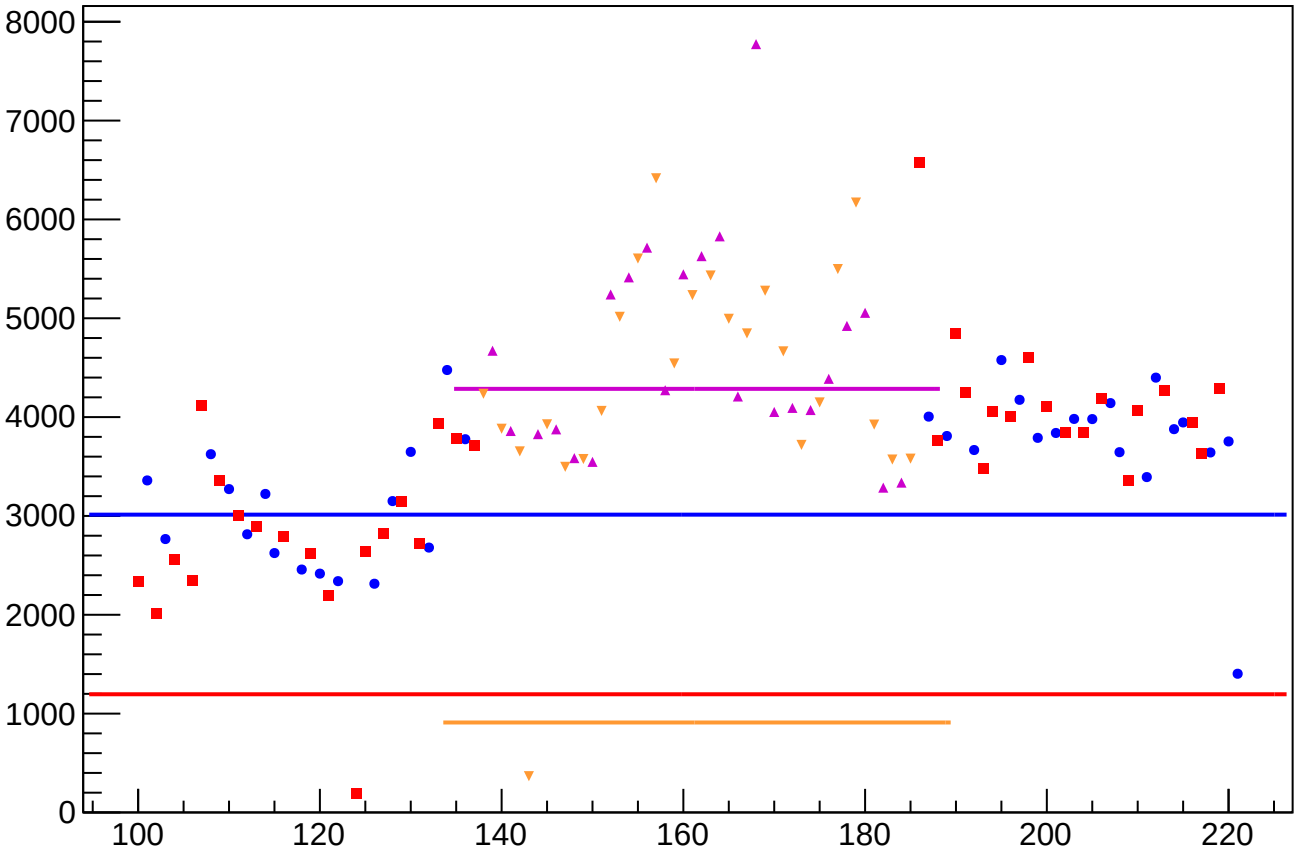
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 136.278+/-358.172 χ^2/NDF: 93.9/70

In: -126.351+/-565.632 χ^2/NDF:52.5/56

Out: 289.590+/-282.256 χ^2/NDF:85.0/61

All: 206.665+/-252.557 χ^2/NDF: 137.9/118



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: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

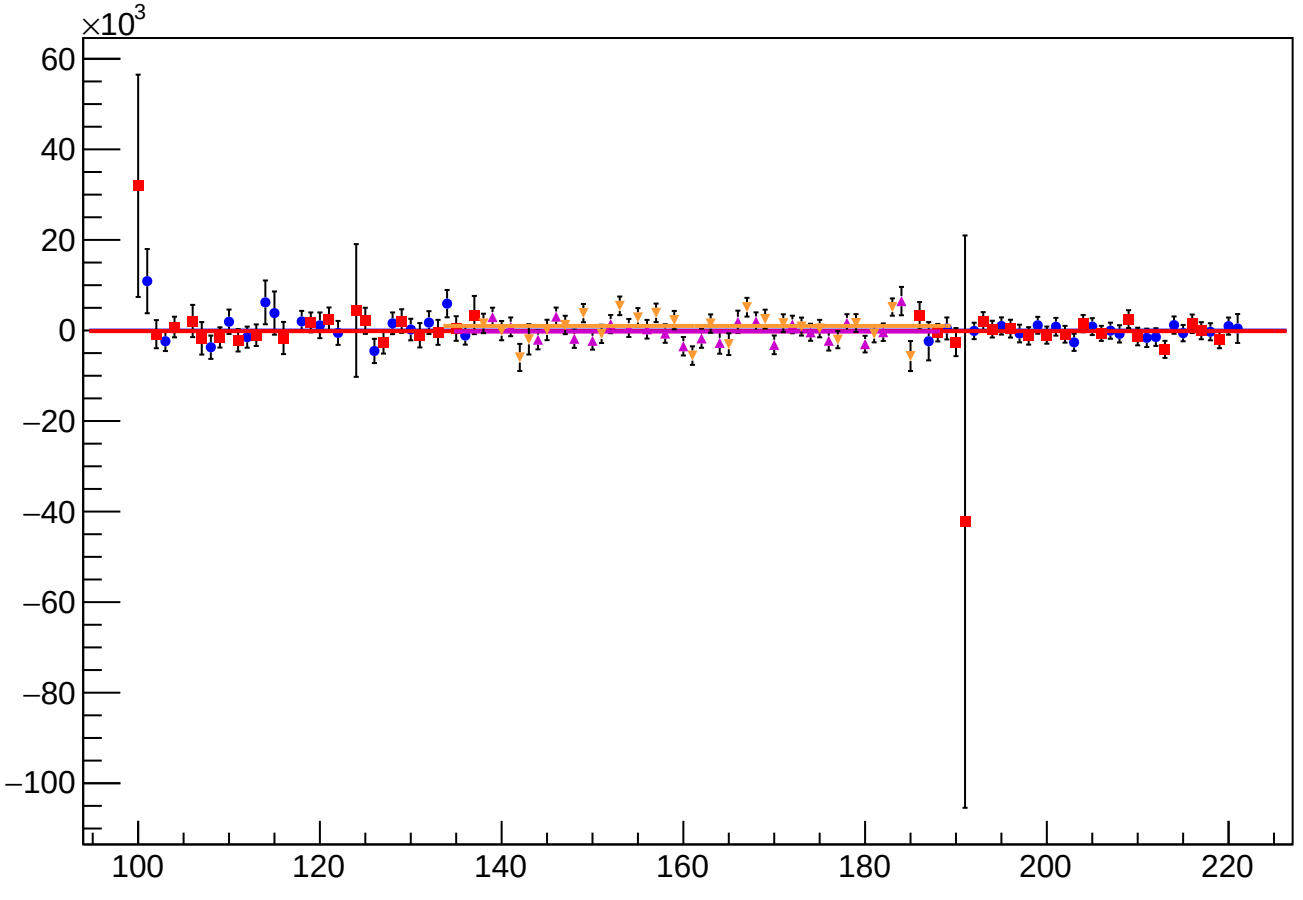
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1701.718+/-0.253 χ^2/NDF: 40915354.5/70

In: 3402.227+/-0.400 χ^2/NDF:7713991.4/56

Out: 1038.235+/-0.200 χ^2/NDF:53615809.0/61

All: 1509.536+/-0.179 χ^2/NDF: 89299526.4/1



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: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

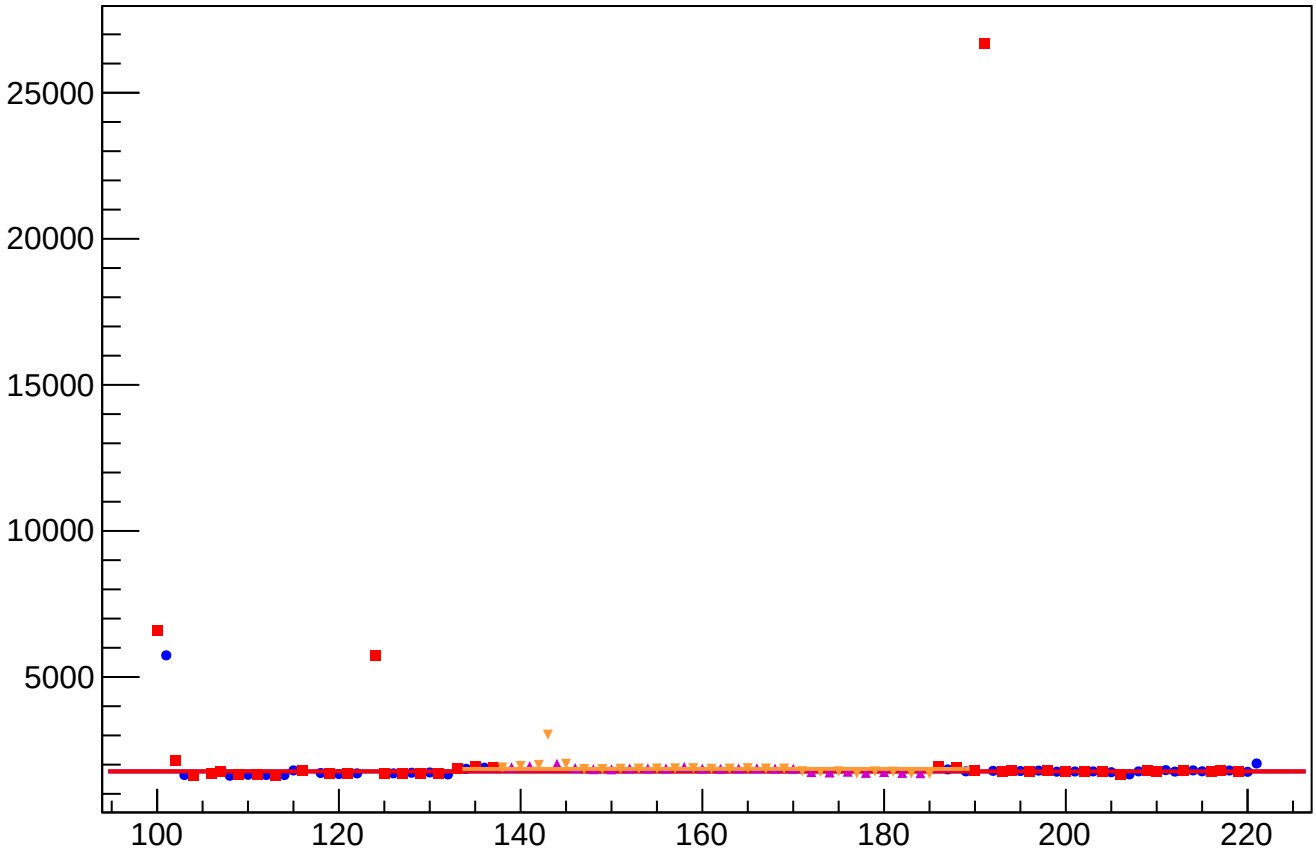
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -91.461+/-272.799 χ^2/NDF: 45.8/70

In: -120.146+/-286.515 χ^2/NDF:49.8/56

Out: 376.154+/-285.463 χ^2/NDF:73.9/61

All: 128.917+/-202.224 χ^2/NDF: 125.2/118



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: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

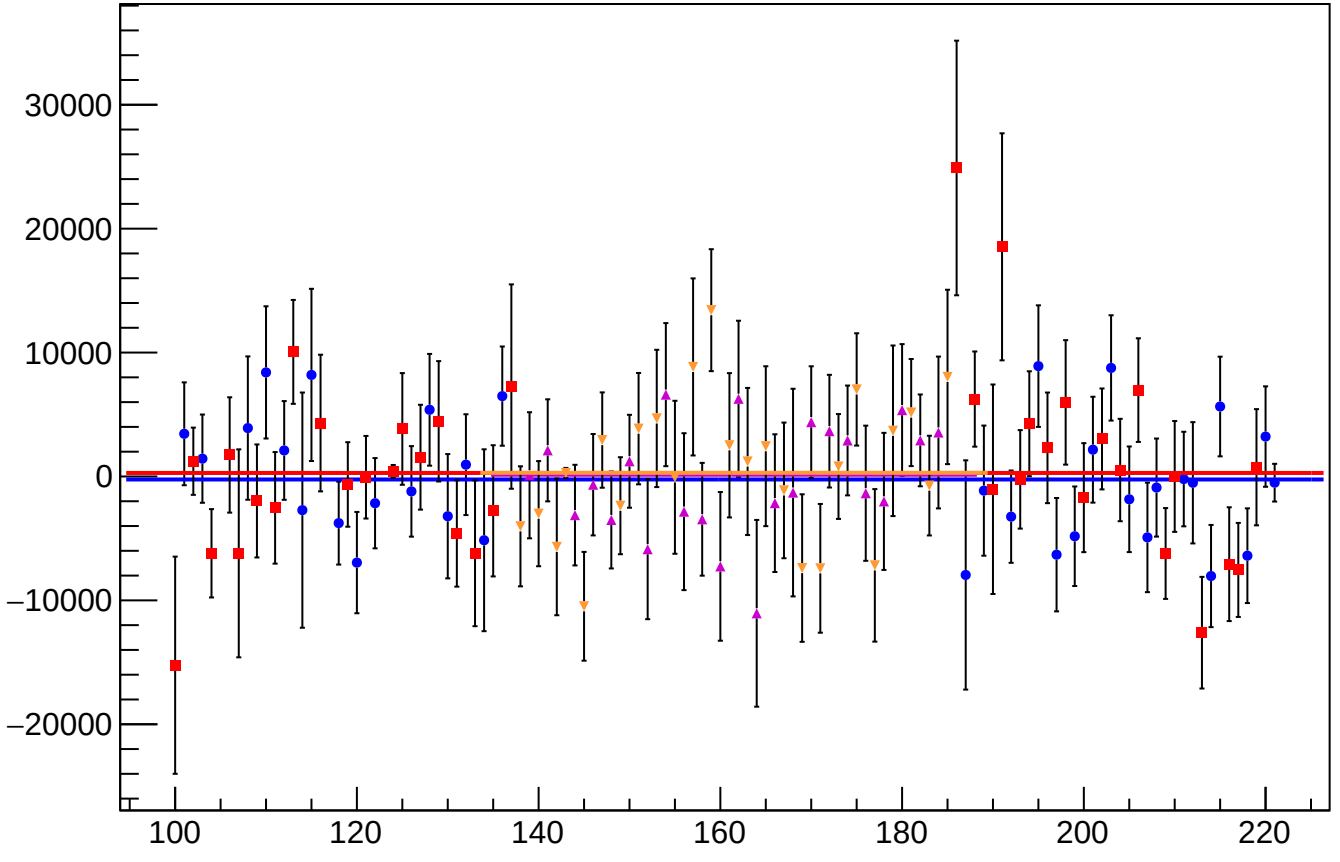
Right: 1768.096+/-0.193 χ^2/NDF: 1335055.0/70

In: 1798.449+/-0.203 χ^2/NDF:795739.1/56

Out: 1807.524+/-0.202 χ^2/NDF:1001761.7/61

All: 1803.007+/-0.143 χ^2/NDF: 1798508.5/11

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 282.548+/-421.635 χ^2/NDF: 54.9/36

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

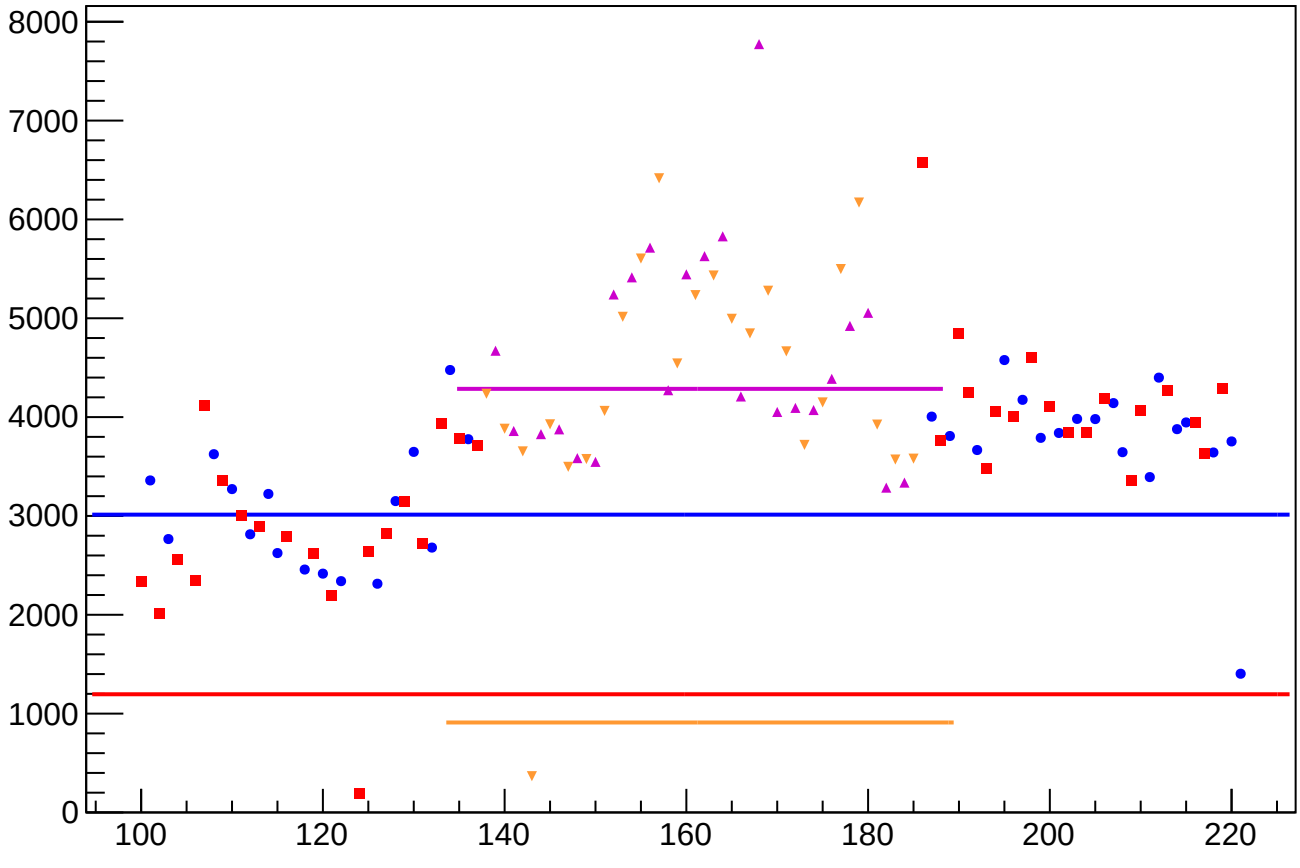
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 136.278+/-358.172 χ^2/NDF: 93.9/70

In: -126.351+/-565.632 χ^2/NDF:52.5/56

Out: 289.590+/-282.256 χ^2/NDF:85.0/61

All: 206.665+/-252.557 χ^2/NDF: 137.9/118



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: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

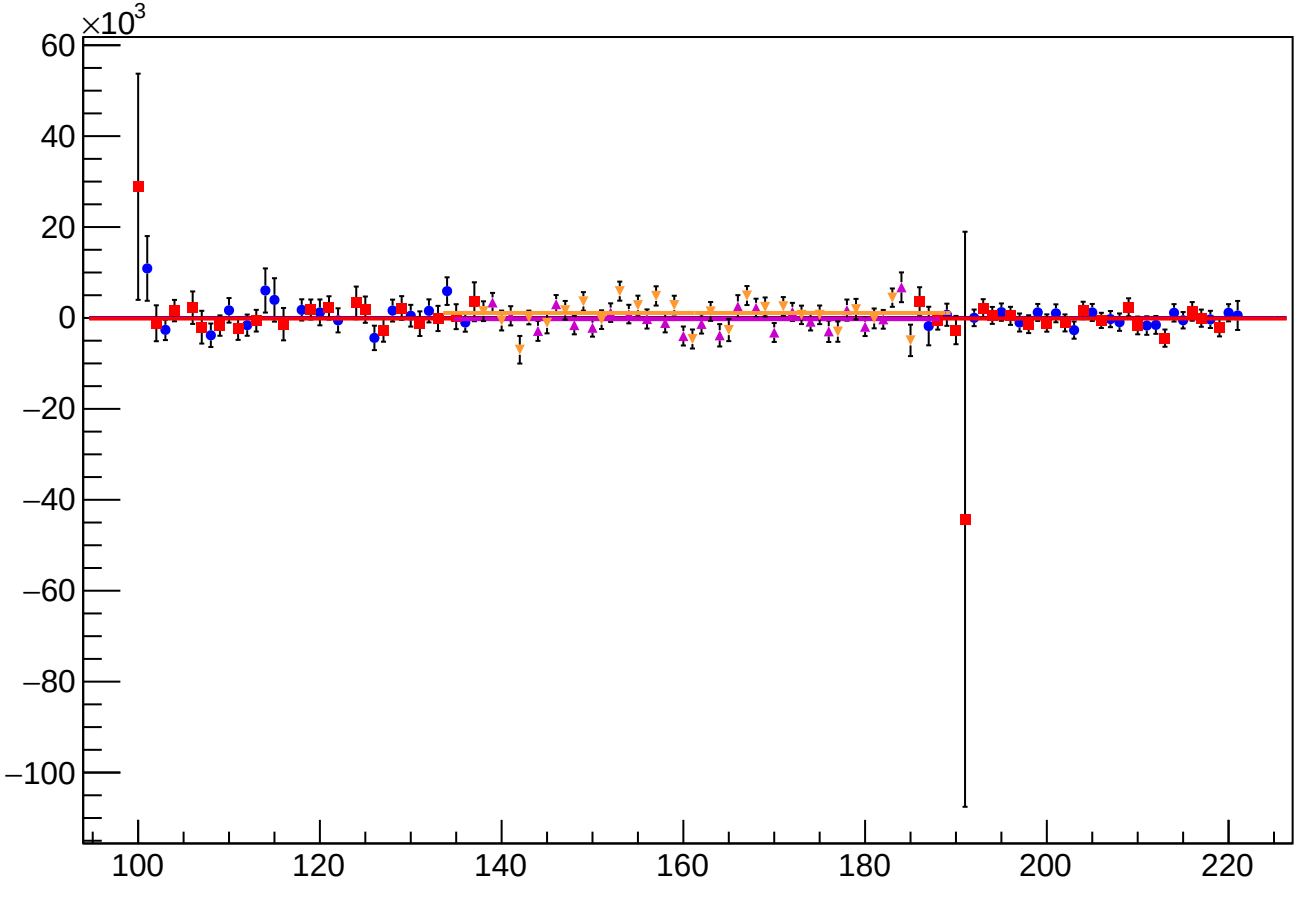
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1701.718+/-0.253 χ^2/NDF: 40915354.5/70

In: 3402.227+/-0.400 χ^2/NDF:7713991.4/56

Out: 1038.235+/-0.200 χ^2/NDF:53615809.0/61

All: 1509.536+/-0.179 χ^2/NDF: 89299526.4/



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: -123.105+/-388.217 χ^2/NDF: 25.1/36

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

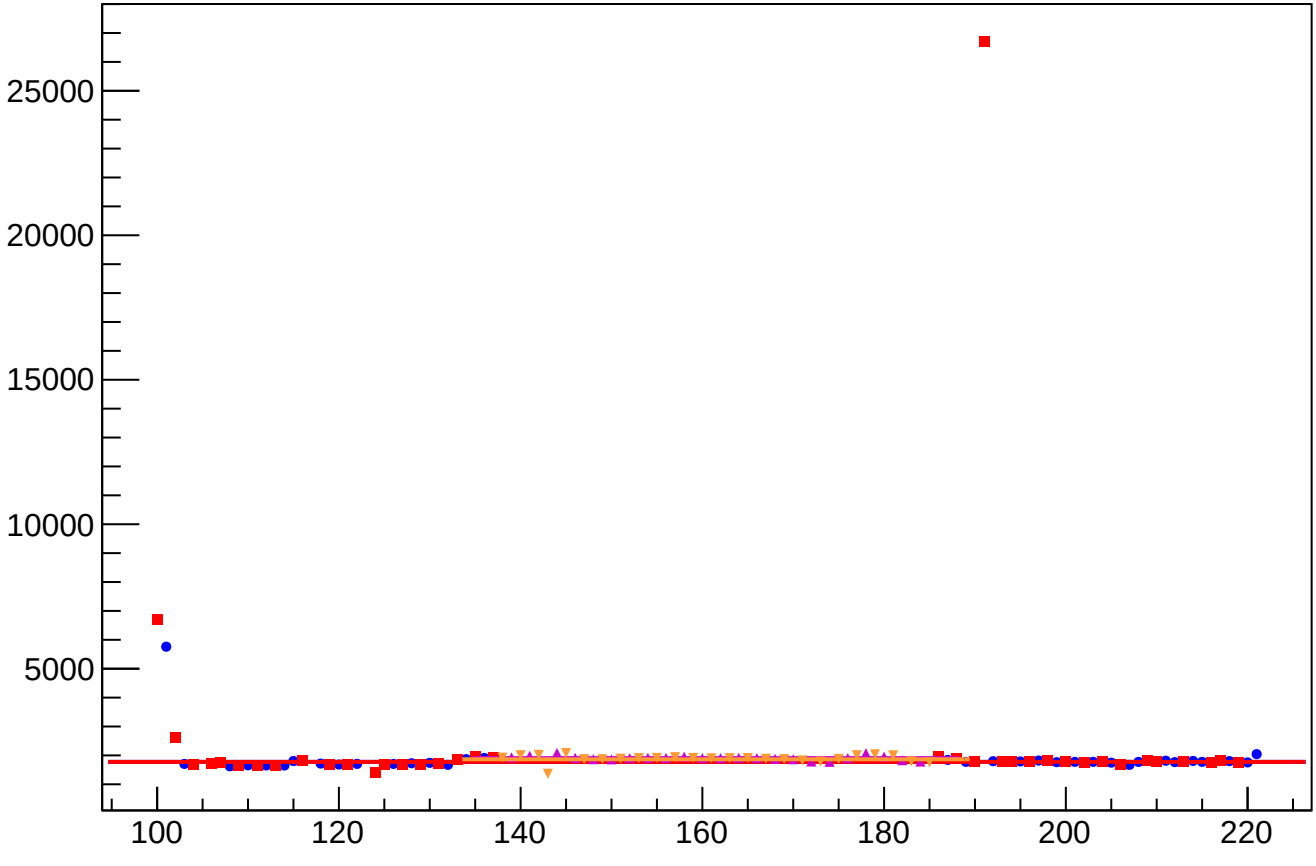
Right: -65.490+/-273.869 χ^2/NDF: 48.9/70

In: -118.444+/-291.863 χ^2/NDF:51.6/56

Out: 434.284+/-286.732 χ^2/NDF:74.4/61

All: 162.821+/-204.540 χ^2/NDF: 127.9/118

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: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

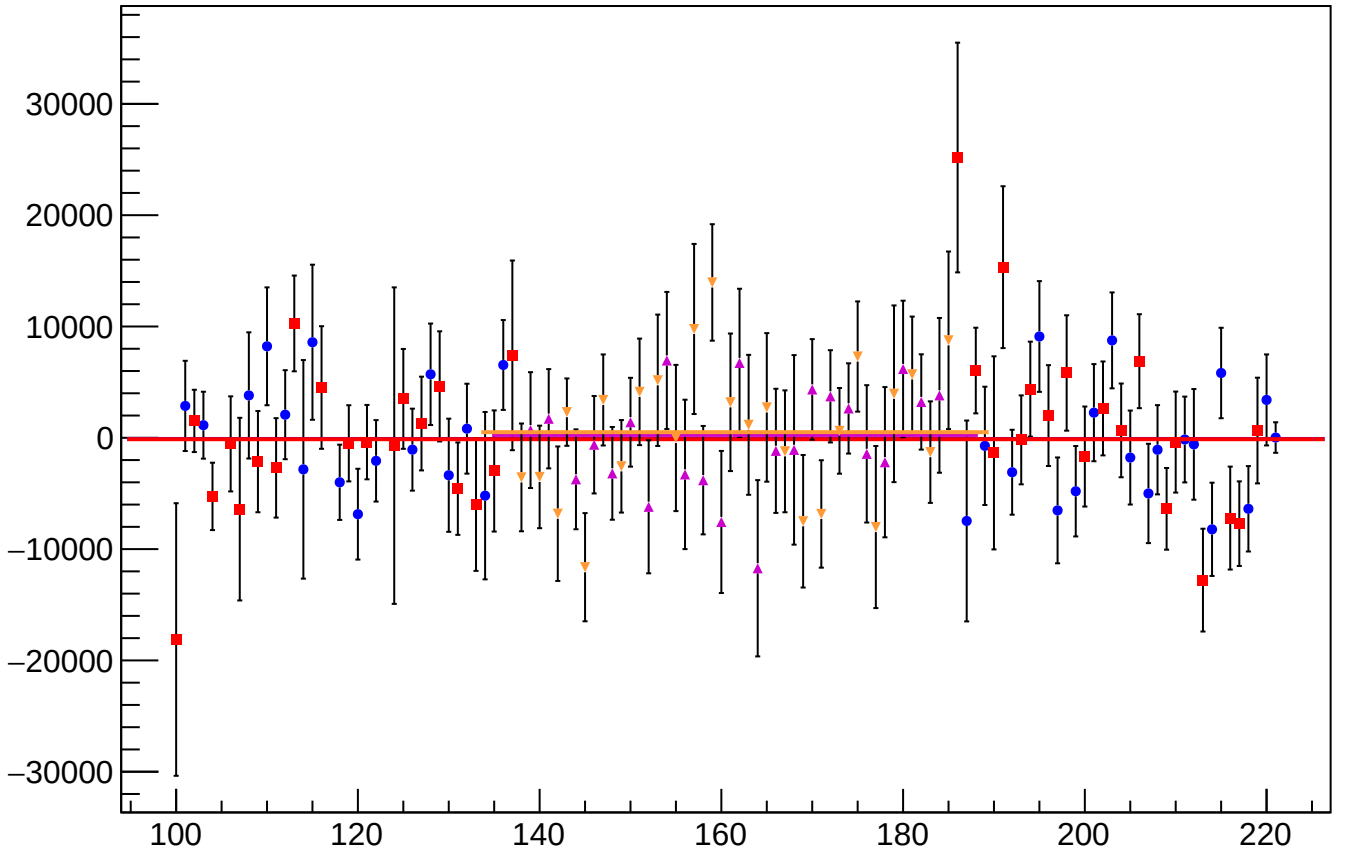
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1775.048+/-0.194 χ^2/NDF: 1264616.7/70

In: 1831.320+/-0.206 χ^2/NDF:844215.1/56

Out: 1815.629+/-0.203 χ^2/NDF:914523.7/61

All: 1823.331+/-0.145 χ^2/NDF: 1761681.7/11



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: -124.277+/-741.208 χ^2/NDF: 53.8/36

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

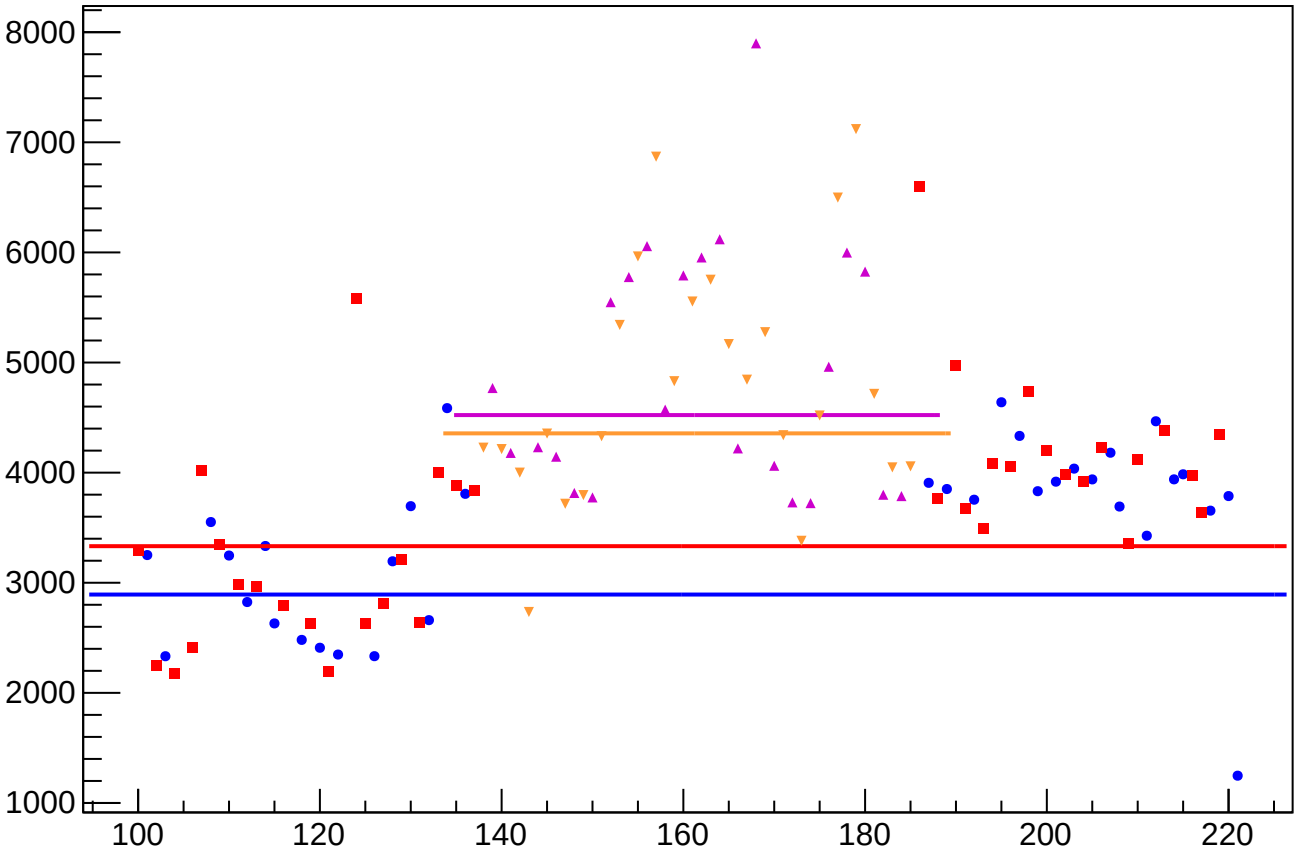
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: -113.708+/-494.078 χ^2/NDF: 92.2/70

In: -5.226+/-565.109 χ^2/NDF:52.1/56

Out: 92.461+/-599.954 χ^2/NDF:84.1/61

All: 40.699+/-411.360 χ^2/NDF: 136.2/118



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: 3332.226+/-0.524 χ^2/NDF: 2424628.2/36

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

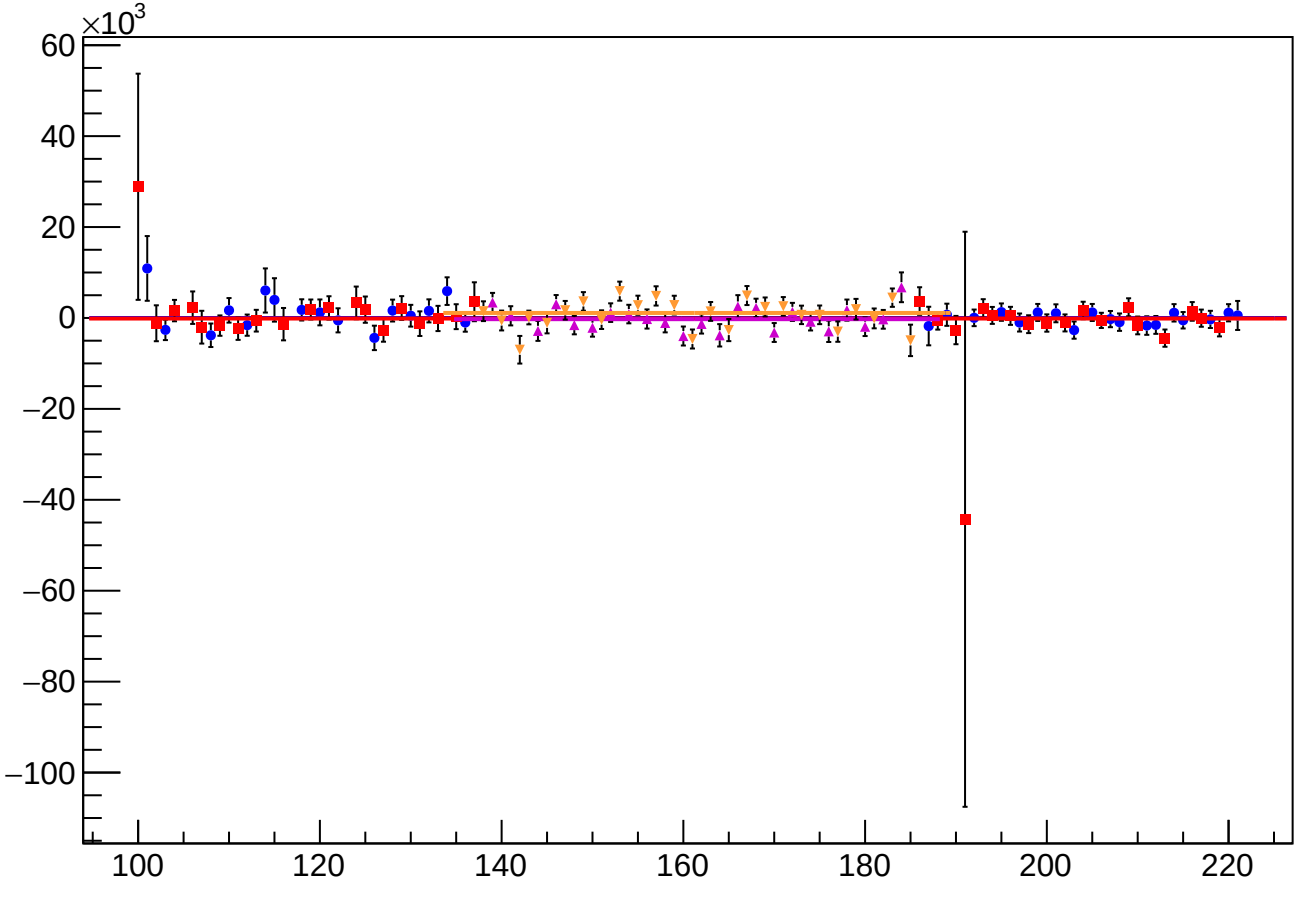
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3088.098+/-0.349 χ^2/NDF: 8270076.7/70

In: 3337.978+/-0.400 χ^2/NDF:10191681.9/56

Out: 3685.474+/-0.424 χ^2/NDF:5654315.7/61

All: 3501.342+/-0.291 χ^2/NDF: 16201525.2/1



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: -123.104+/-388.217 χ^2/NDF: 25.1/36

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

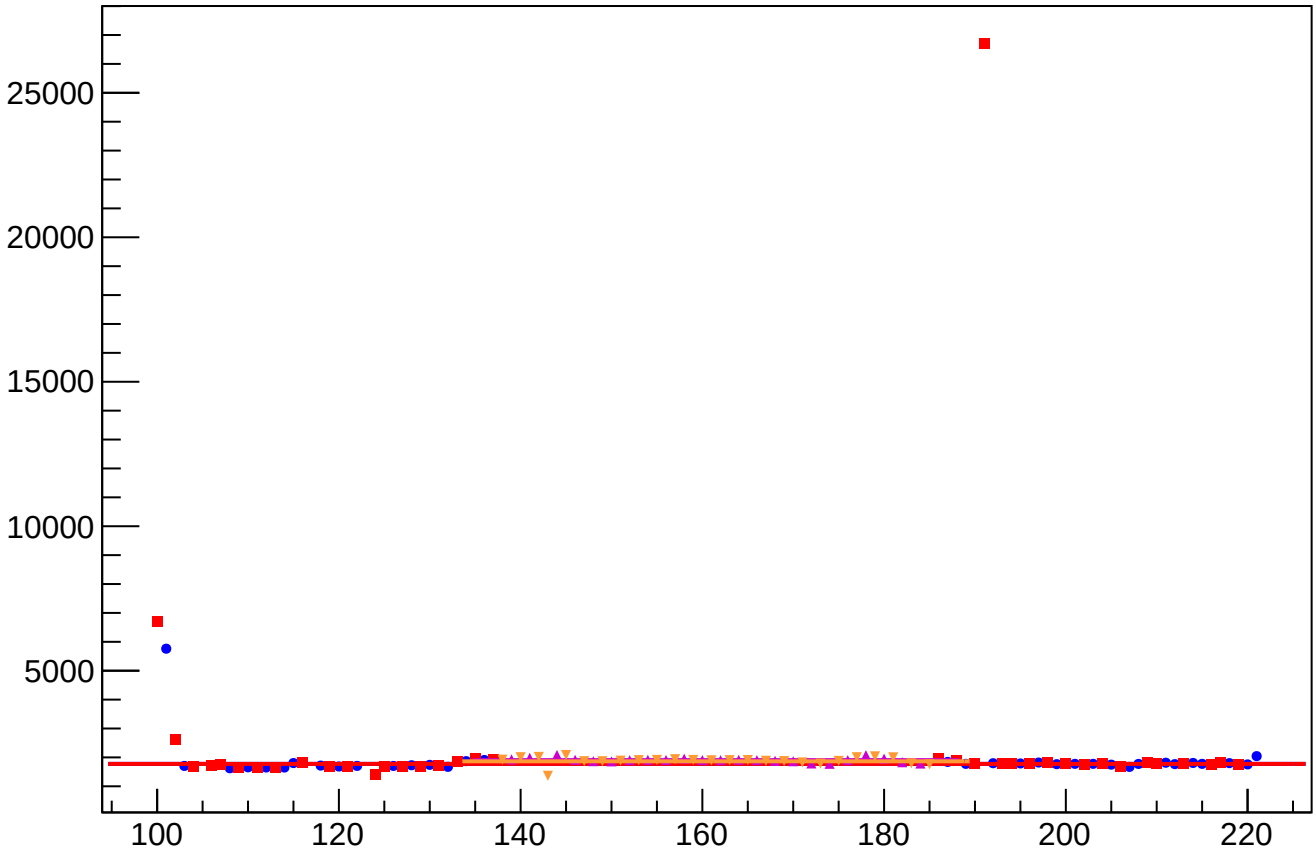
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -65.490+/-273.869 χ^2/NDF: 48.9/70

In: -118.445+/-291.863 χ^2/NDF:51.6/56

Out: 434.284+/-286.732 χ^2/NDF:74.4/61

All: 162.821+/-204.540 χ^2/NDF: 127.9/118



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: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

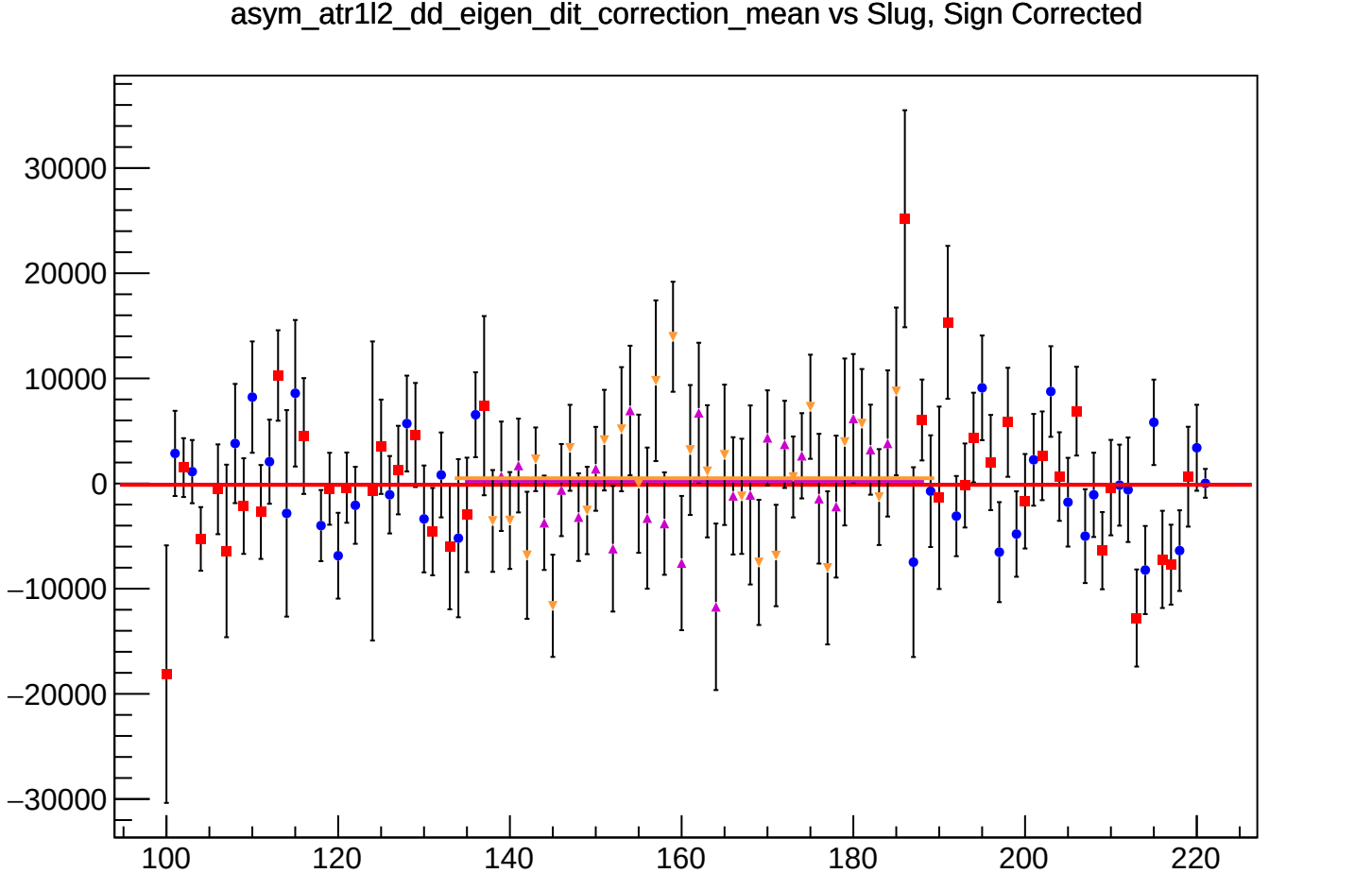
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1775.048+/-0.194 χ^2/NDF: 1264616.7/70

In: 1831.320+/-0.206 χ^2/NDF:844218.8/56

Out: 1815.630+/-0.203 χ^2/NDF:914528.0/61

All: 1823.332+/-0.145 χ^2/NDF: 1761689.7/11



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: -124.281+/-741.208 χ^2/NDF: 53.8/36

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

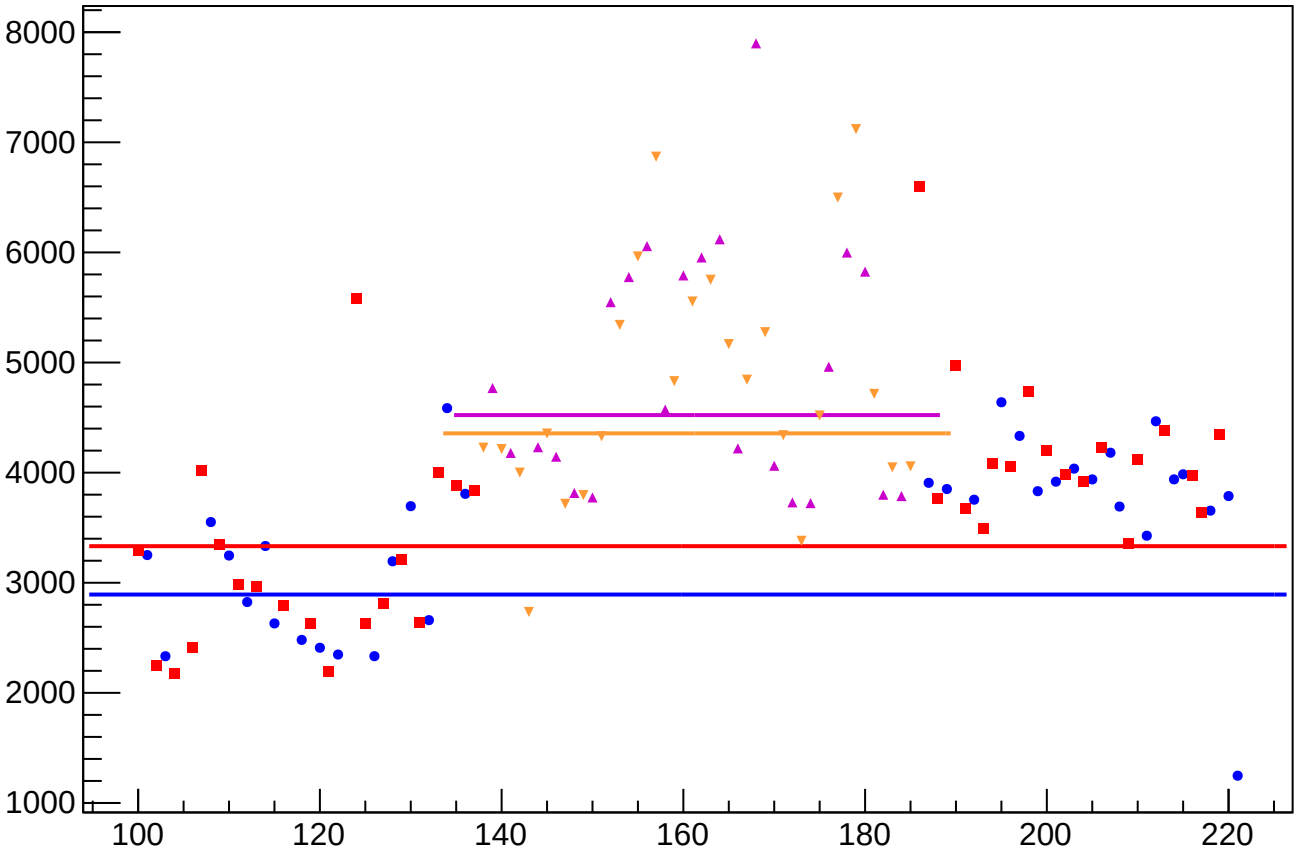
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: -113.708+/-494.078 χ^2/NDF: 92.2/70

In: -5.223+/-565.110 χ^2/NDF:52.1/56

Out: 92.459+/-599.954 χ^2/NDF:84.1/61

All: 40.699+/-411.360 χ^2/NDF: 136.2/118



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: 3332.223+/-0.524 χ^2/NDF: 2424650.1/36

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

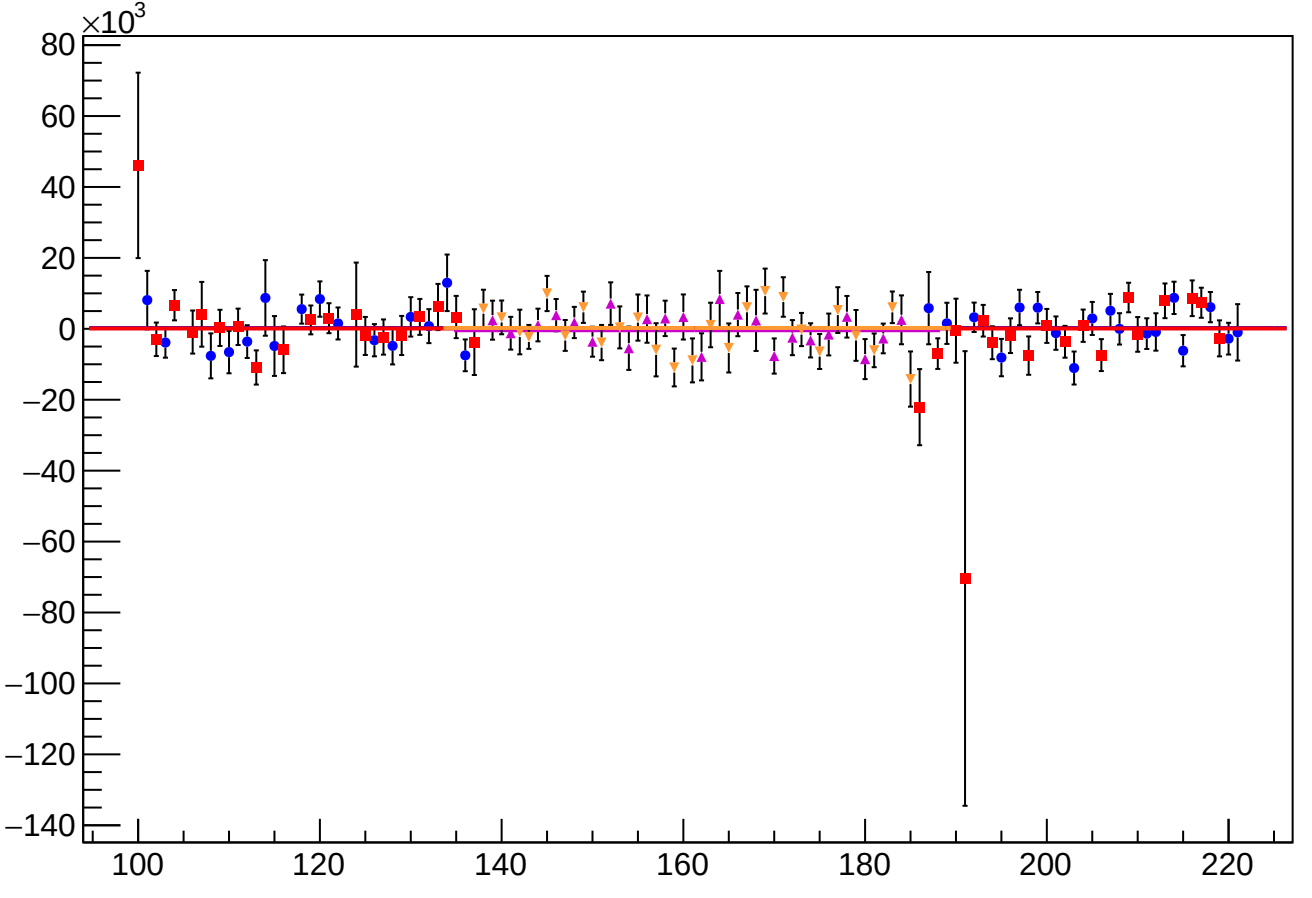
Right: 3088.101+/-0.349 χ^2/NDF: 8270039.9/70

In: 3337.984+/-0.400 χ^2/NDF:10191636.5/56

Out: 3685.473+/-0.424 χ^2/NDF:5654364.7/61

All: 3501.345+/-0.291 χ^2/NDF: 16201514.3/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



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: 103.468+/-867.791 χ^2/NDF: 43.3/36

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

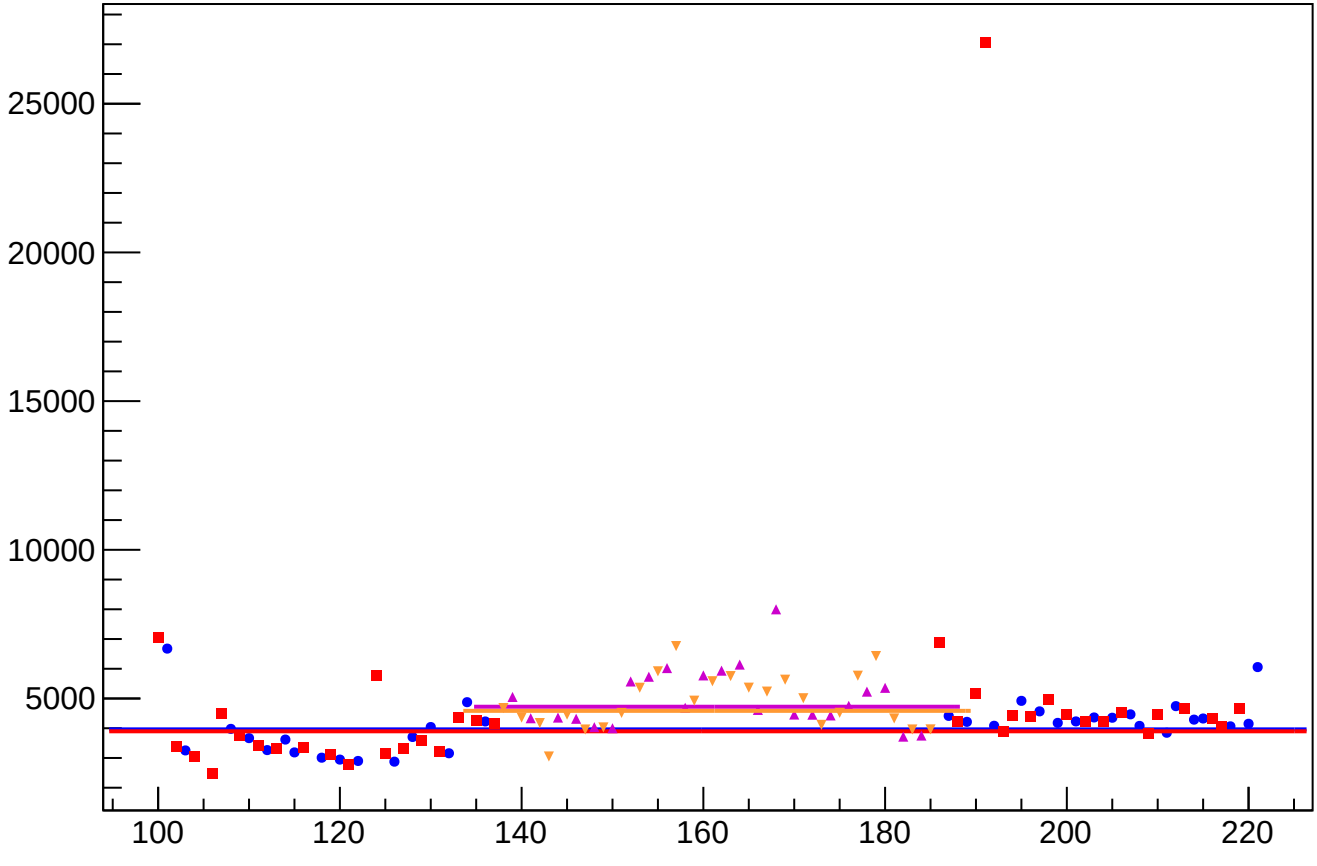
Right: 155.292+/-612.866 χ^2/NDF: 83.4/70

In: -18.965+/-685.225 χ^2/NDF:54.4/56

Out: 157.940+/-672.649 χ^2/NDF:75.5/61

All: 71.126+/-480.019 χ^2/NDF: 130.0/118

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: 3896.966+/-0.610 χ^2/NDF: 1571636.1/36

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

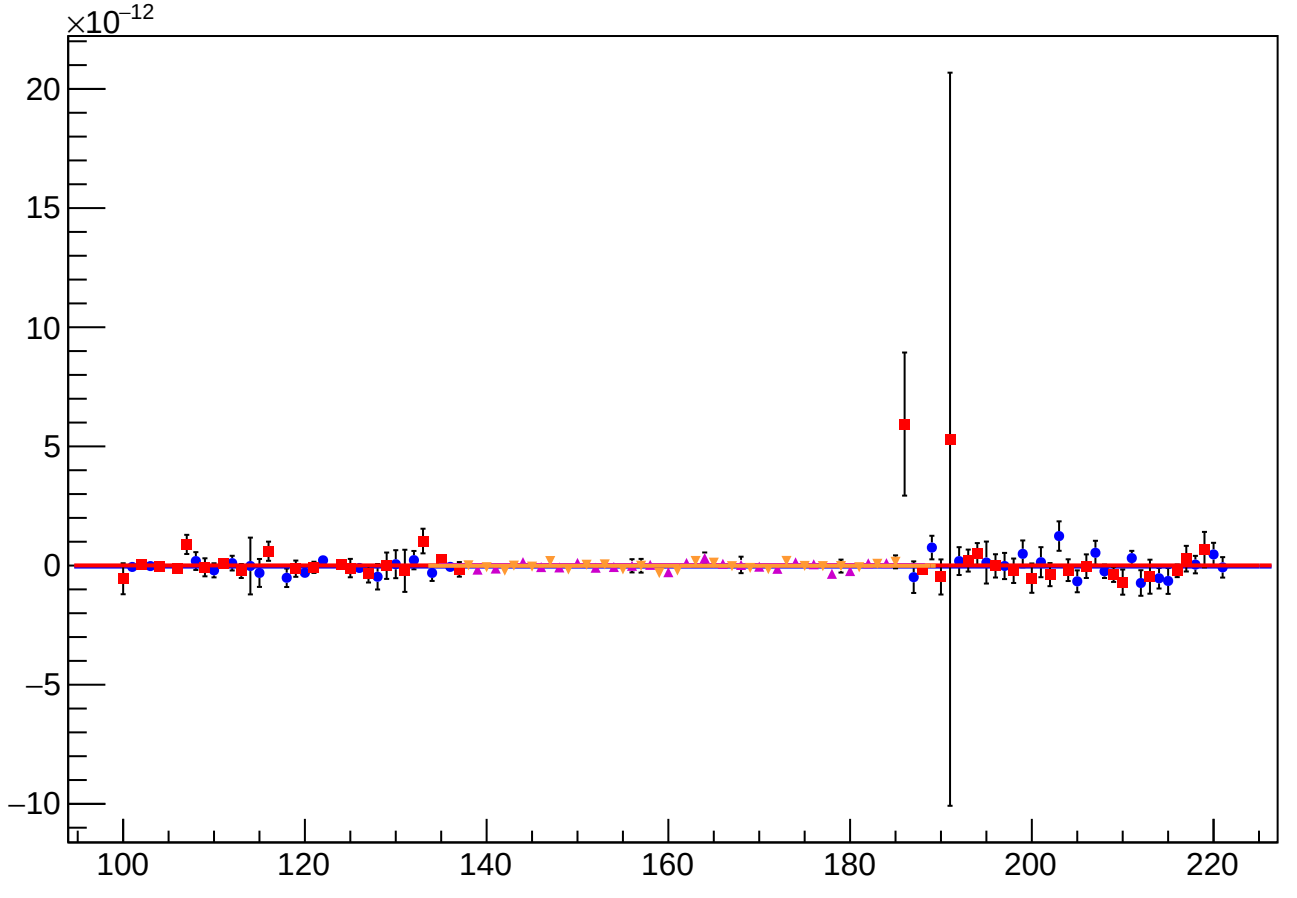
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3929.400+/-0.432 χ^2/NDF: 2811970.6/70

In: 4246.244+/-0.485 χ^2/NDF:2828313.7/56

Out: 4169.323+/-0.474 χ^2/NDF:3387345.7/61

All: 4206.920+/-0.339 χ^2/NDF: 6228544.1/11



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: 32.3/36

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

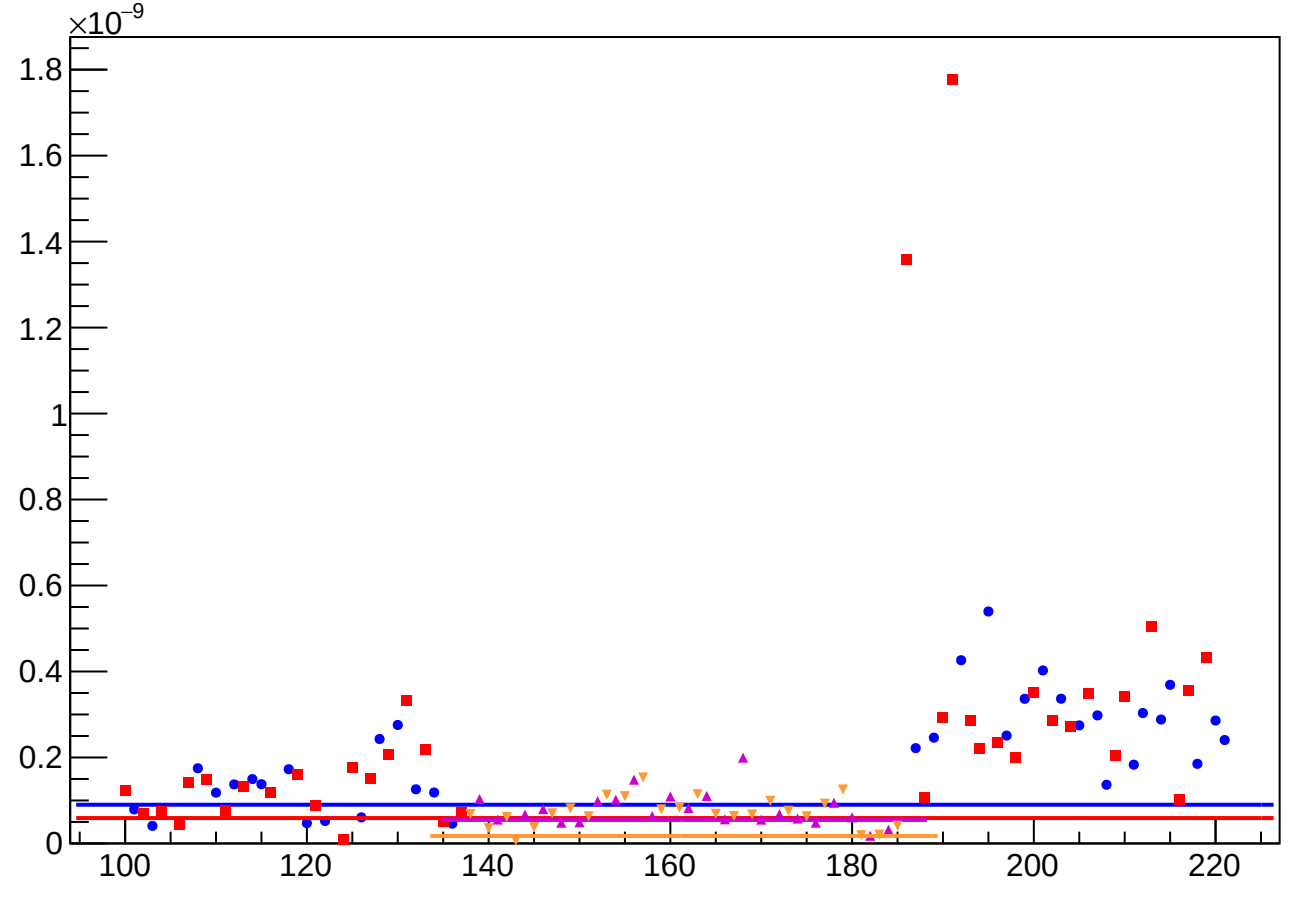
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 60.7/70

In: 0.000+/-0.000 χ^2/NDF:55.1/56

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: -0.000+/-0.000 χ^2/NDF: 110.5/118



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: 10536055.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

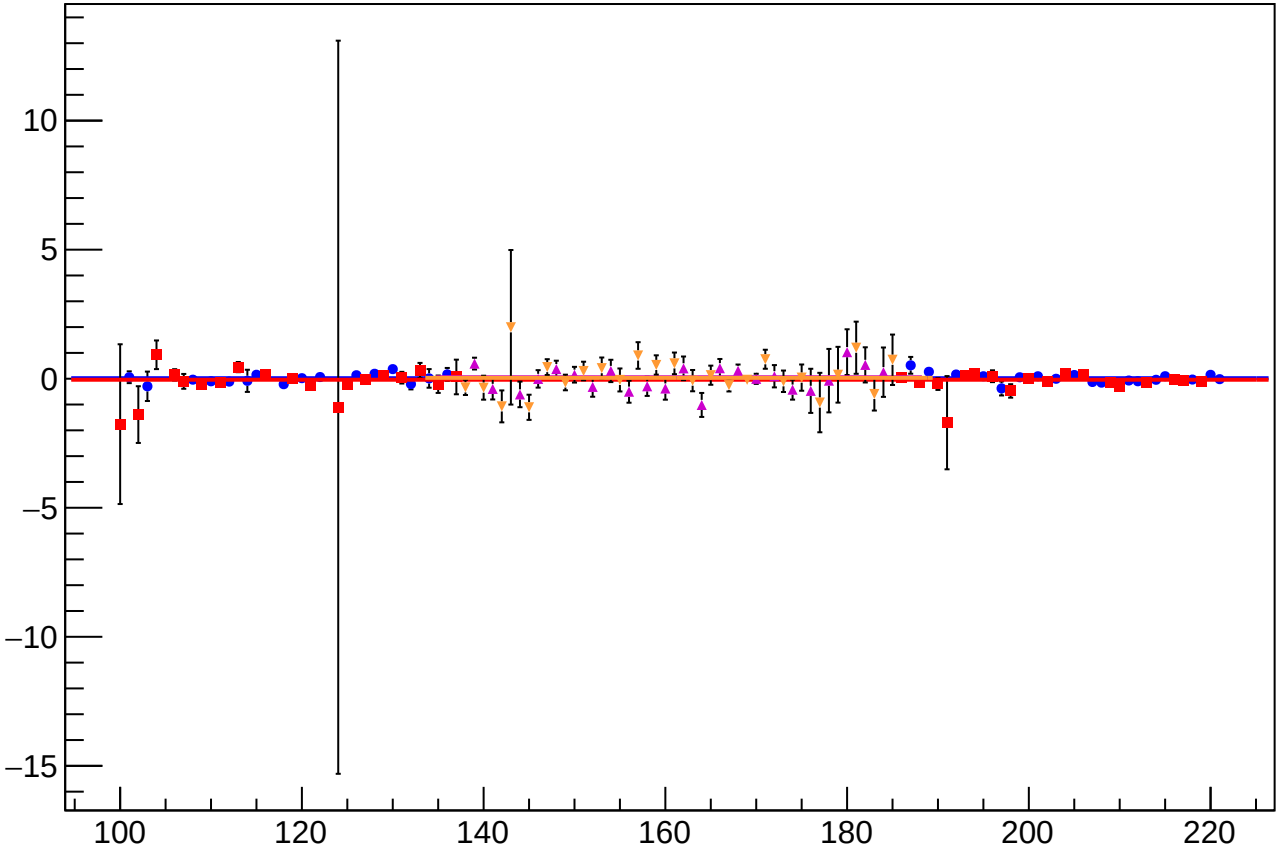
Right: 0.000+/-0.000 χ^2/NDF: 19080658.4/70

In: 0.000+/-0.000 χ^2/NDF:11764816.6/56

Out: 0.000+/-0.000 χ^2/NDF:22137643.3/61

All: 0.000+/-0.000 χ^2/NDF: 40399266.4/118

asym_atr1l2_dd_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: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

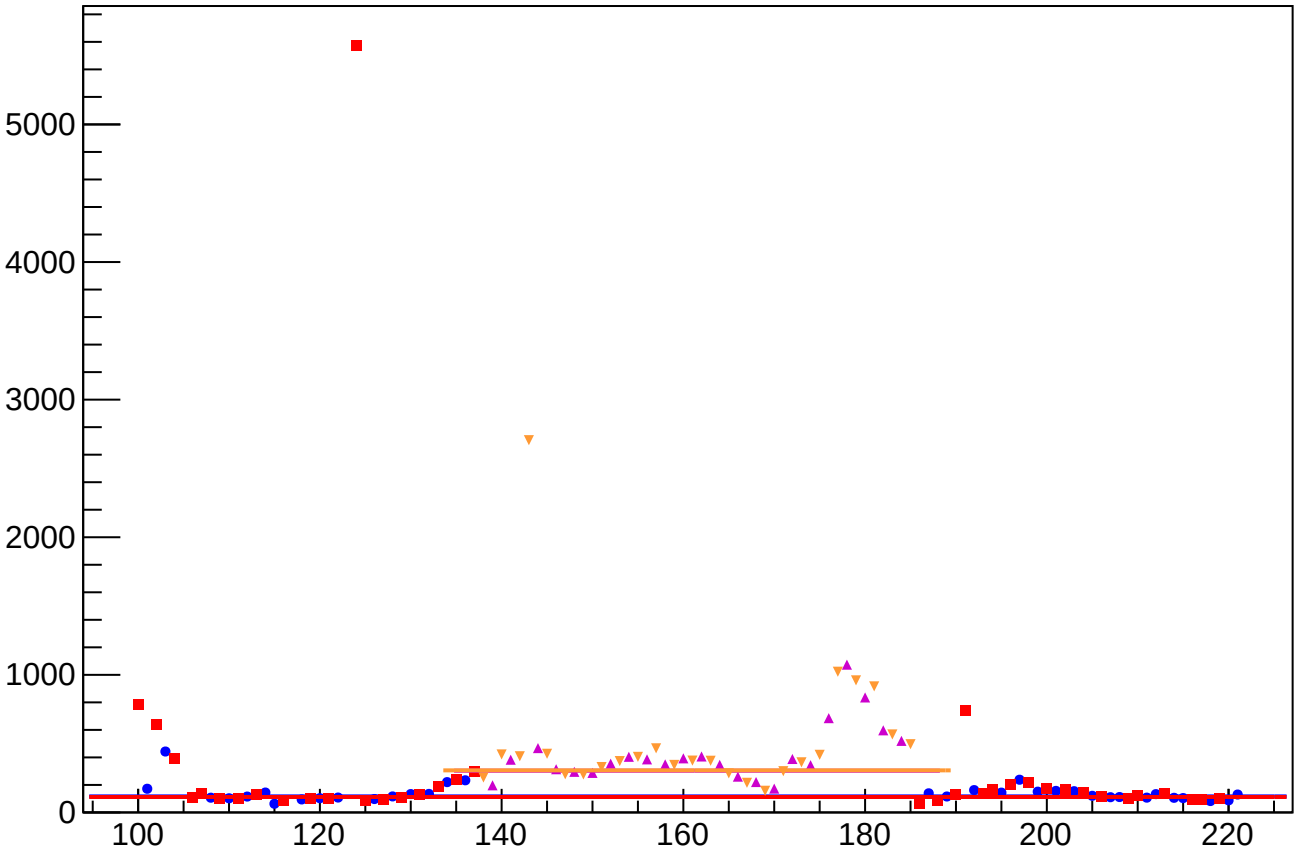
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.010+/-0.019 χ^2/NDF: 72.3/70

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.004+/-0.018 χ^2/NDF: 129.8/118



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: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

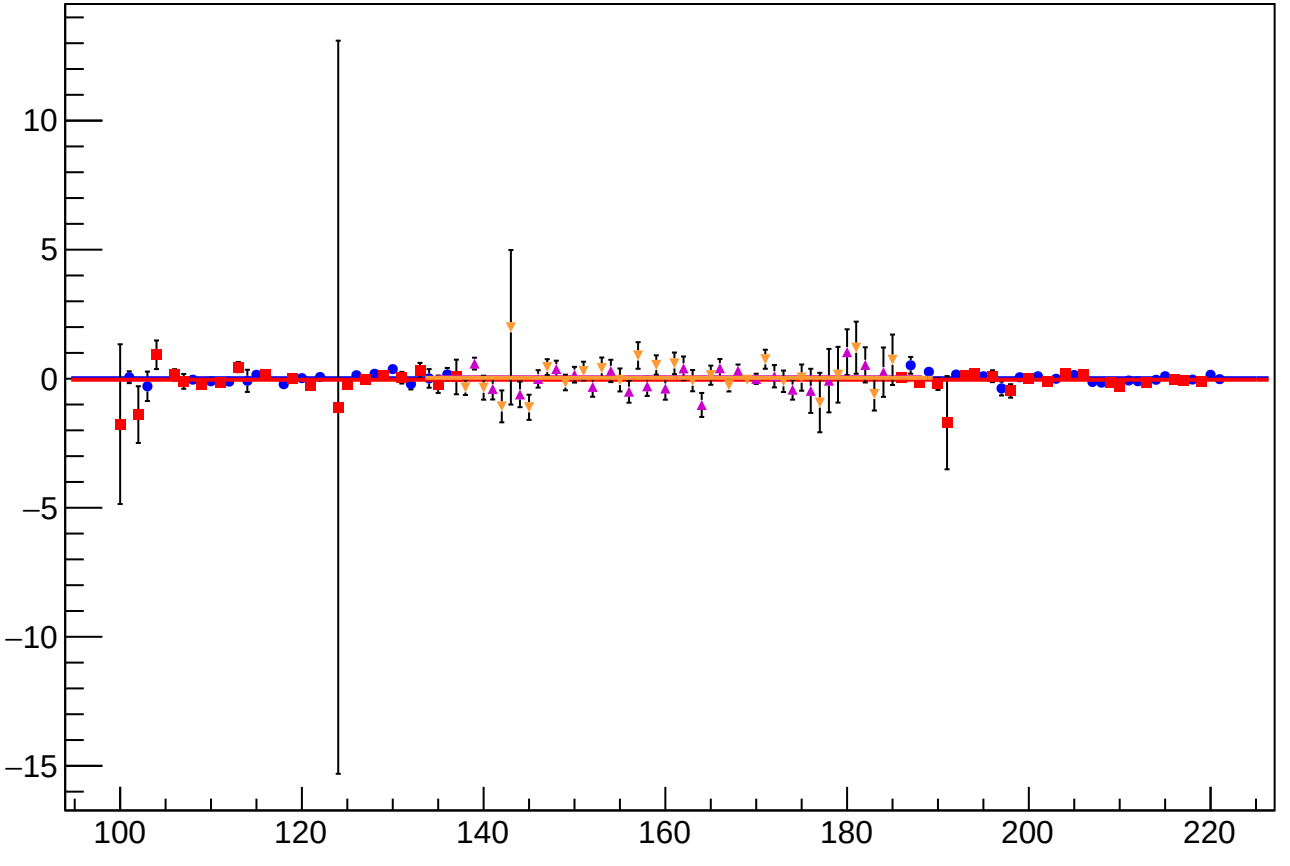
Right: 114.509+/-0.013 χ^2/NDF: 7861598.8/70

In: 136.622+/-0.018 χ^2/NDF:18394227.3/56

Out: 132.902+/-0.018 χ^2/NDF:22330399.1/61

All: 134.764+/-0.013 χ^2/NDF: 40746182.6/11

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: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

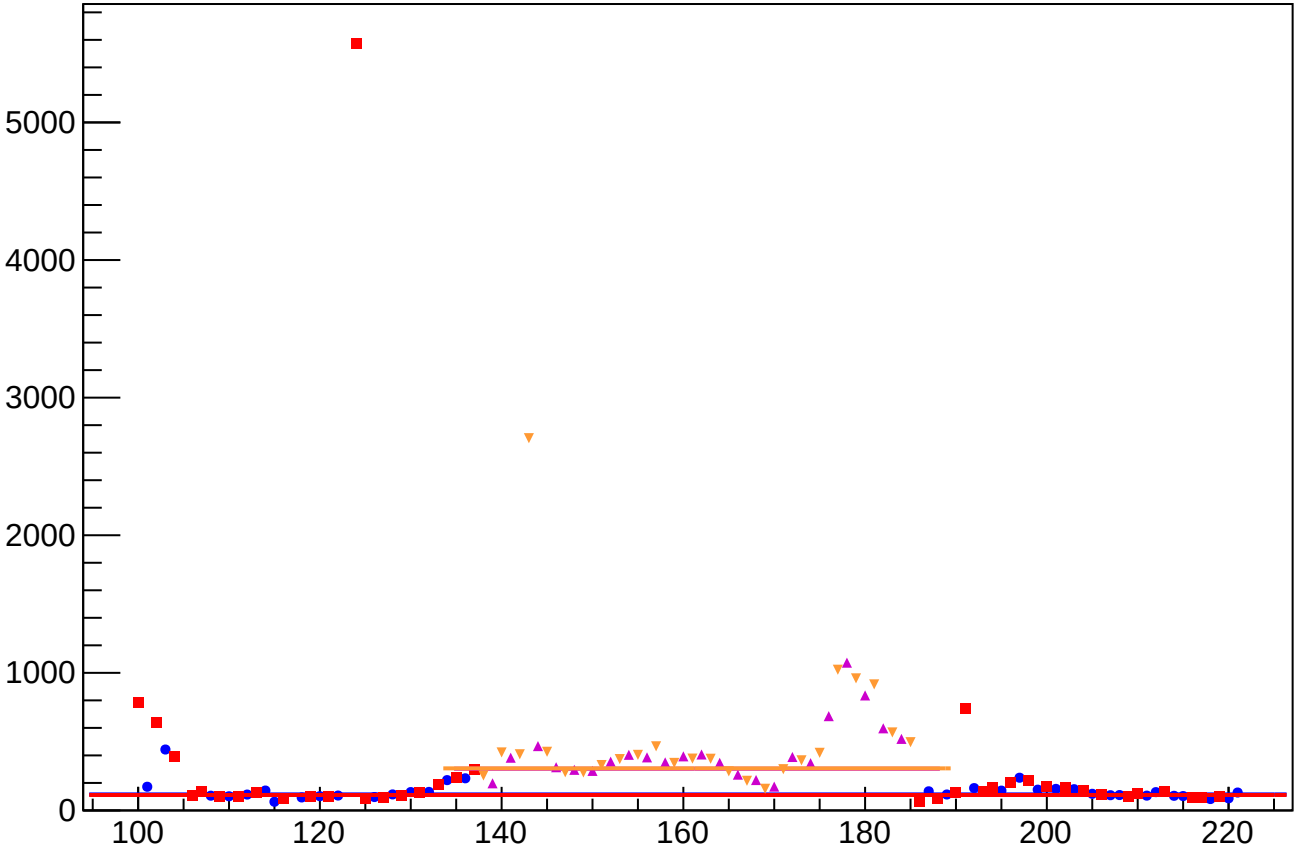
Right: -0.010+/-0.019 χ^2/NDF: 72.3/70

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.004+/-0.018 χ^2/NDF: 129.8/118

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: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

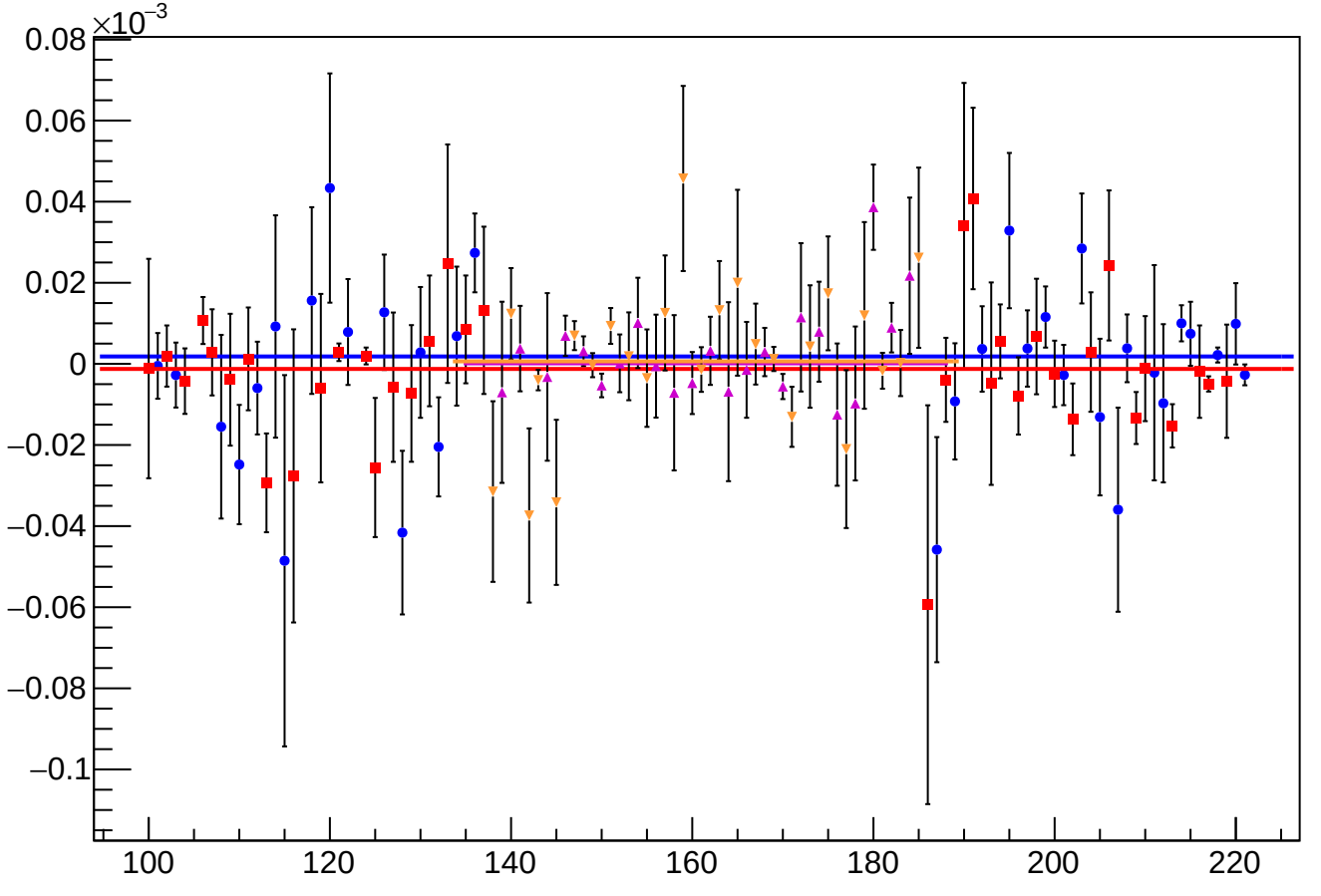
Right: 114.509+/-0.013 χ^2/NDF: 7861598.8/70

In: 136.622+/-0.018 χ^2/NDF:18394227.3/56

Out: 132.902+/-0.018 χ^2/NDF:22330399.1/61

All: 134.764+/-0.013 χ^2/NDF: 40746182.6/11

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 46.6/36

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

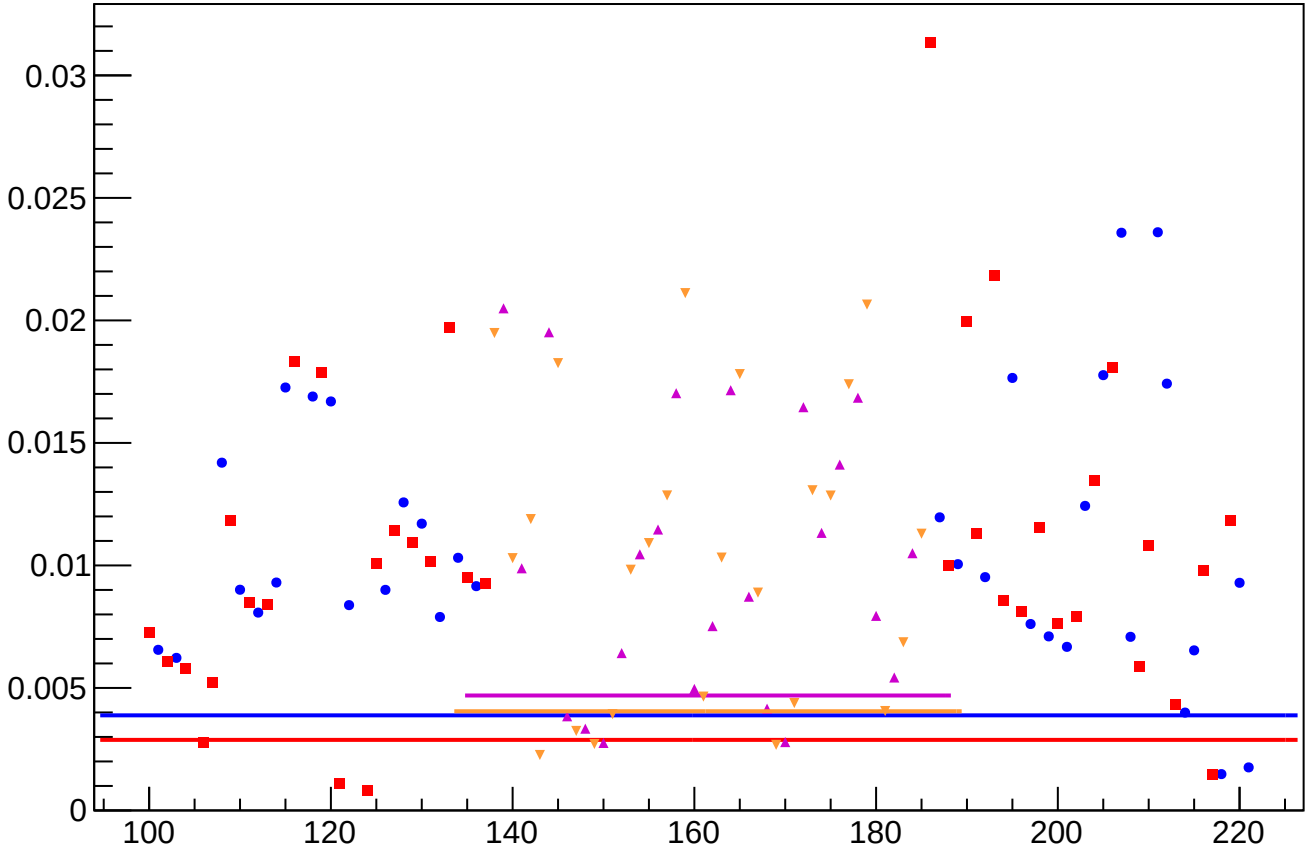
Right: 0.000+/-0.000 χ^2/NDF: 97.9/70

In: 0.000+/-0.000 χ^2/NDF:78.1/56

Out: -0.000+/-0.000 χ^2/NDF:82.6/61

All: 0.000+/-0.000 χ^2/NDF: 162.5/118

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: 0.003+/-0.000 χ^2/NDF: 23031709.6/36

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

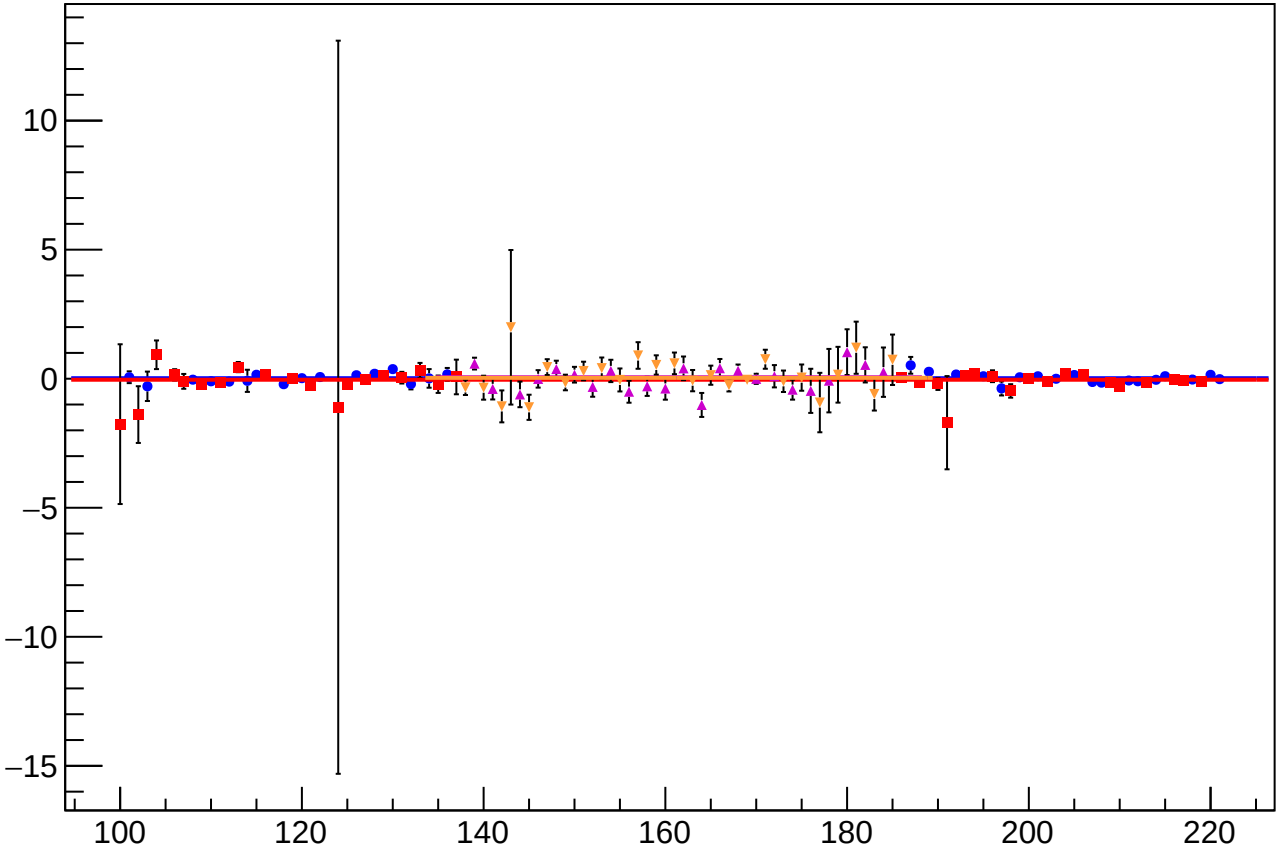
Right: 0.003+/-0.000 χ^2/NDF: 42951368.4/70

In: 0.004+/-0.000 χ^2/NDF:30341285.9/56

Out: 0.003+/-0.000 χ^2/NDF:37710752.9/61

All: 0.004+/-0.000 χ^2/NDF: 69098274.1/118

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: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

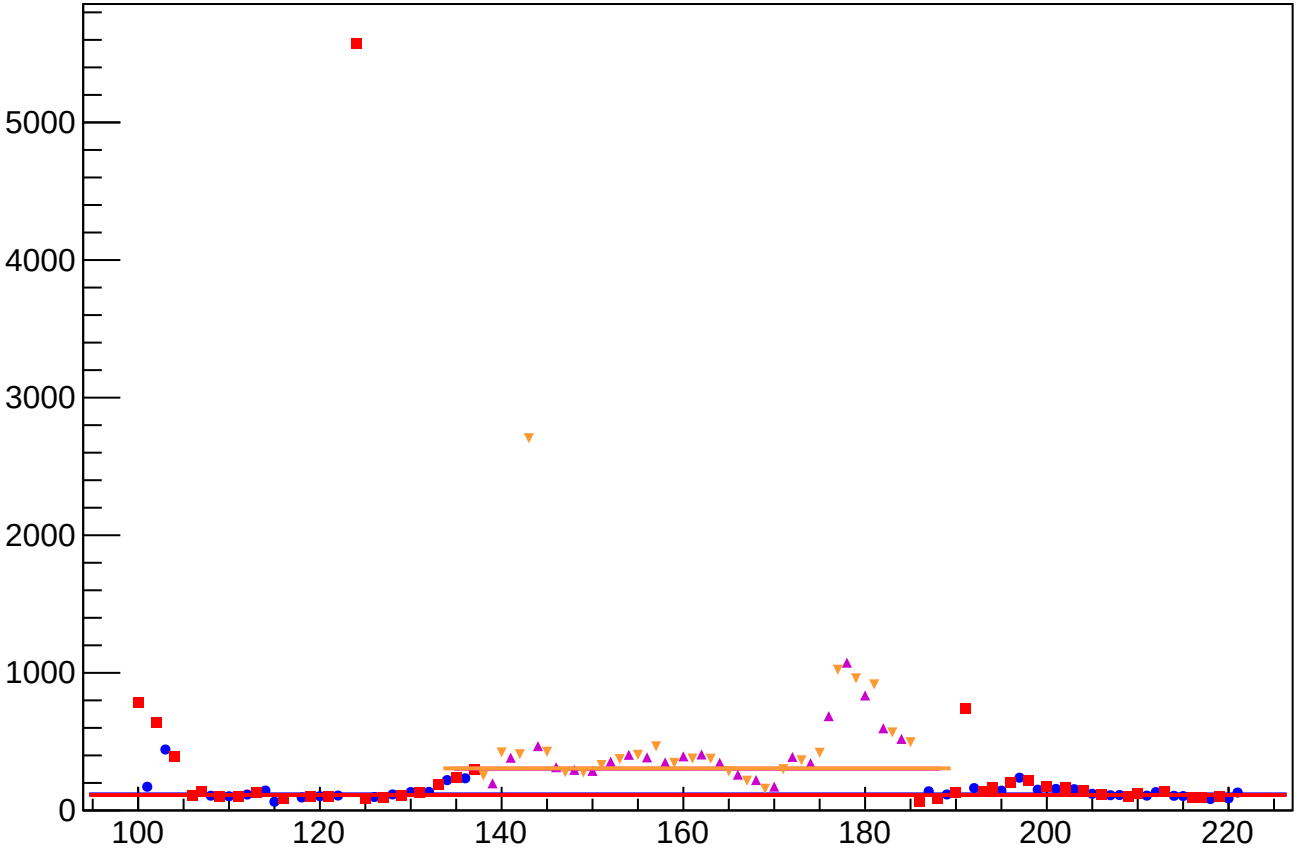
Right: -0.010+/-0.019 χ^2/NDF: 72.3/70

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.004+/-0.018 χ^2/NDF: 129.8/118

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

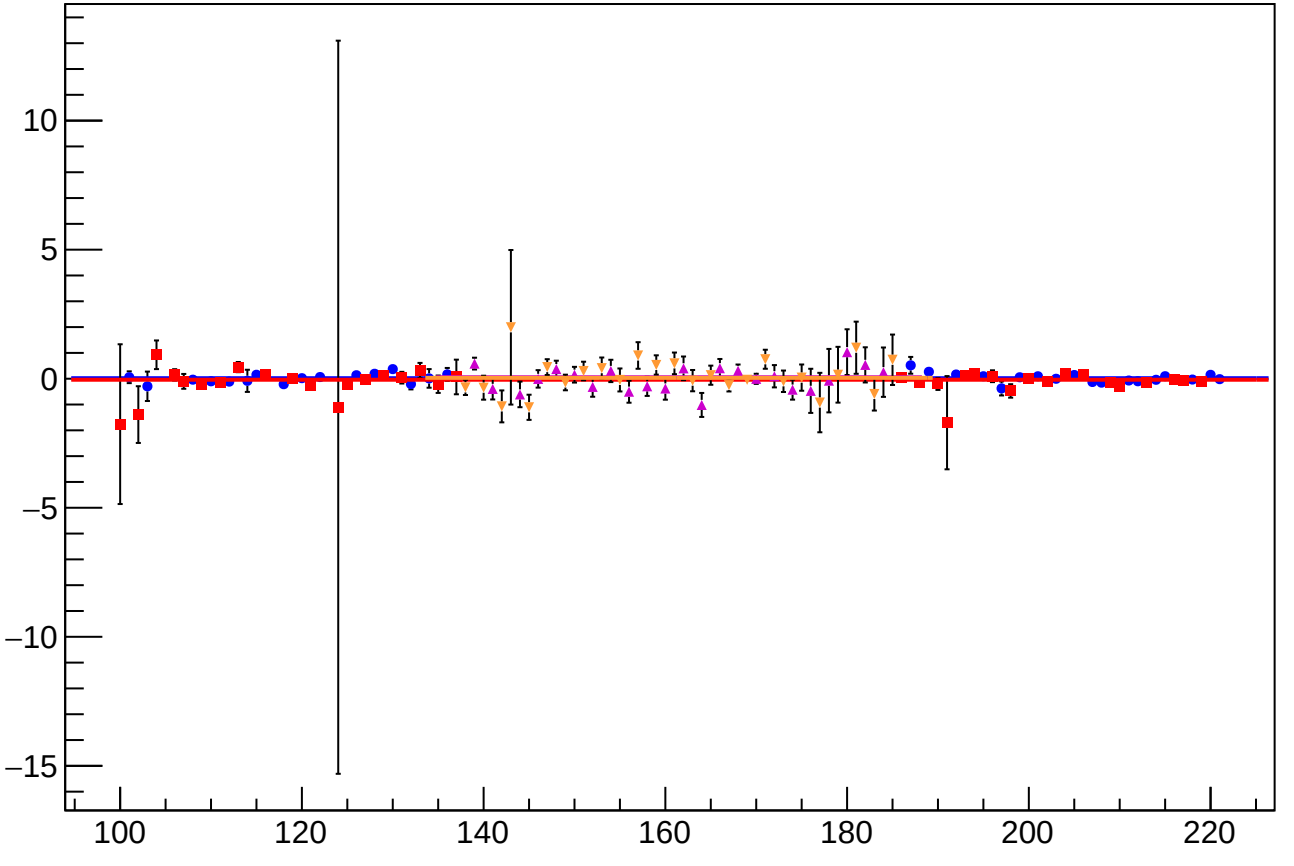
Right: 114.510+/-0.013 χ^2/NDF: 7861397.7/70

In: 136.623+/-0.018 χ^2/NDF:18394165.4/56

Out: 132.903+/-0.018 χ^2/NDF:22330175.4/61

All: 134.766+/-0.013 χ^2/NDF: 40745896.3/11

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: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

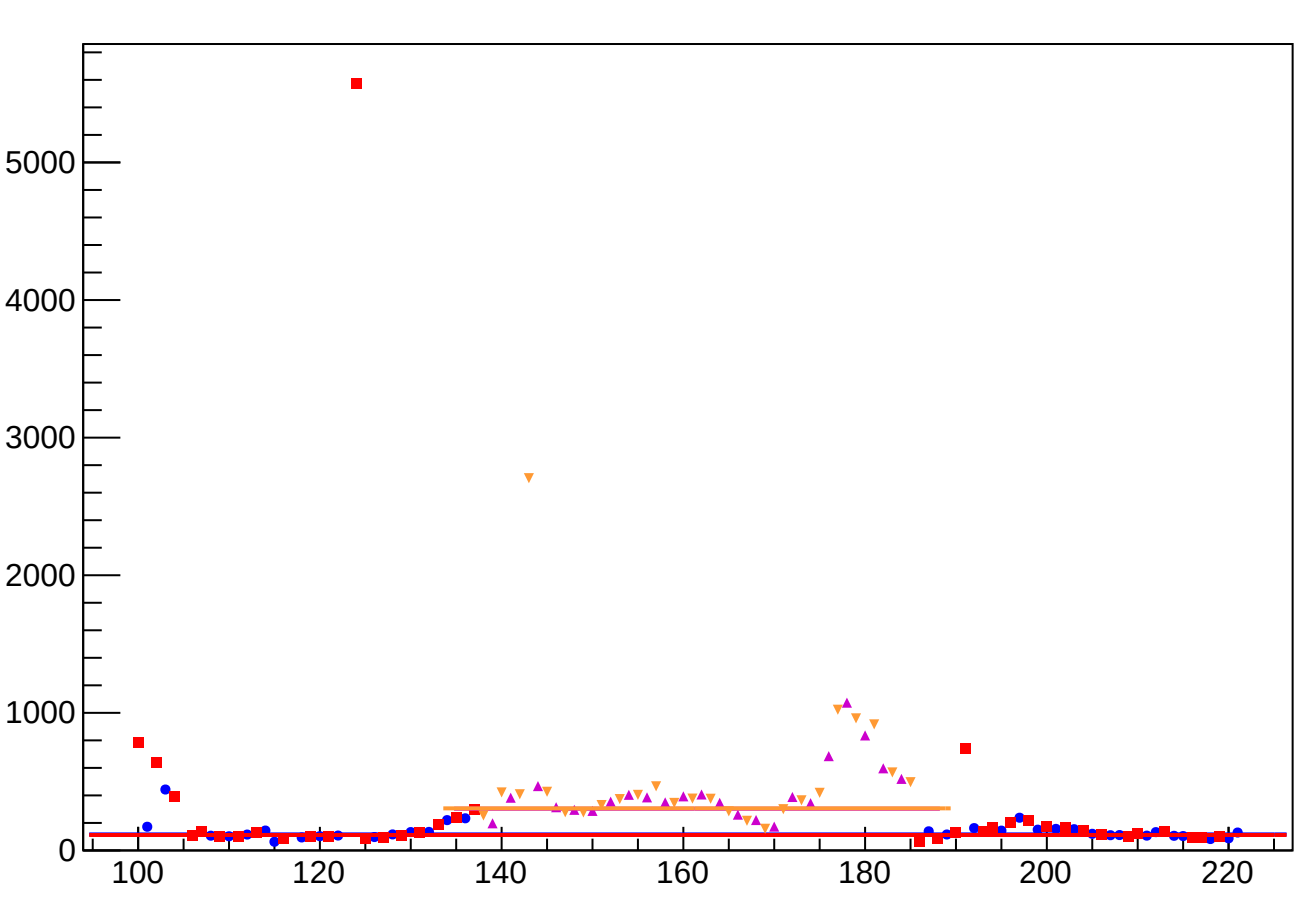
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.010+/-0.019 χ^2/NDF: 72.3/70

In: 0.023+/-0.025 χ^2/NDF:54.4/56

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.004+/-0.018 χ^2/NDF: 129.8/118



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: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

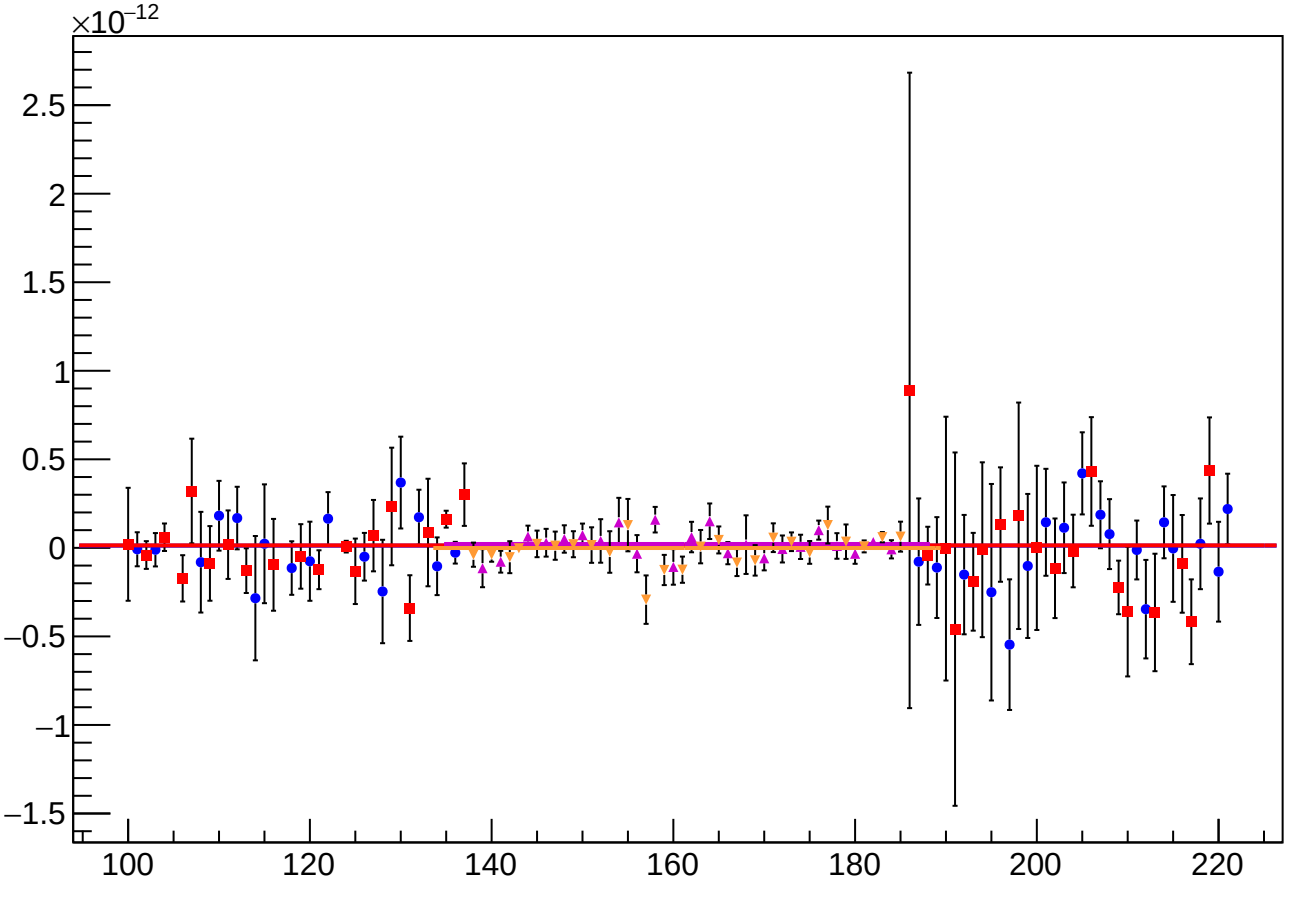
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 114.510+/-0.013 χ^2/NDF: 7861397.7/70

In: 136.623+/-0.018 χ^2/NDF:18394165.4/56

Out: 132.903+/-0.018 χ^2/NDF:22330175.4/61

All: 134.766+/-0.013 χ^2/NDF: 40745896.3/11



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: 38.1/36

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

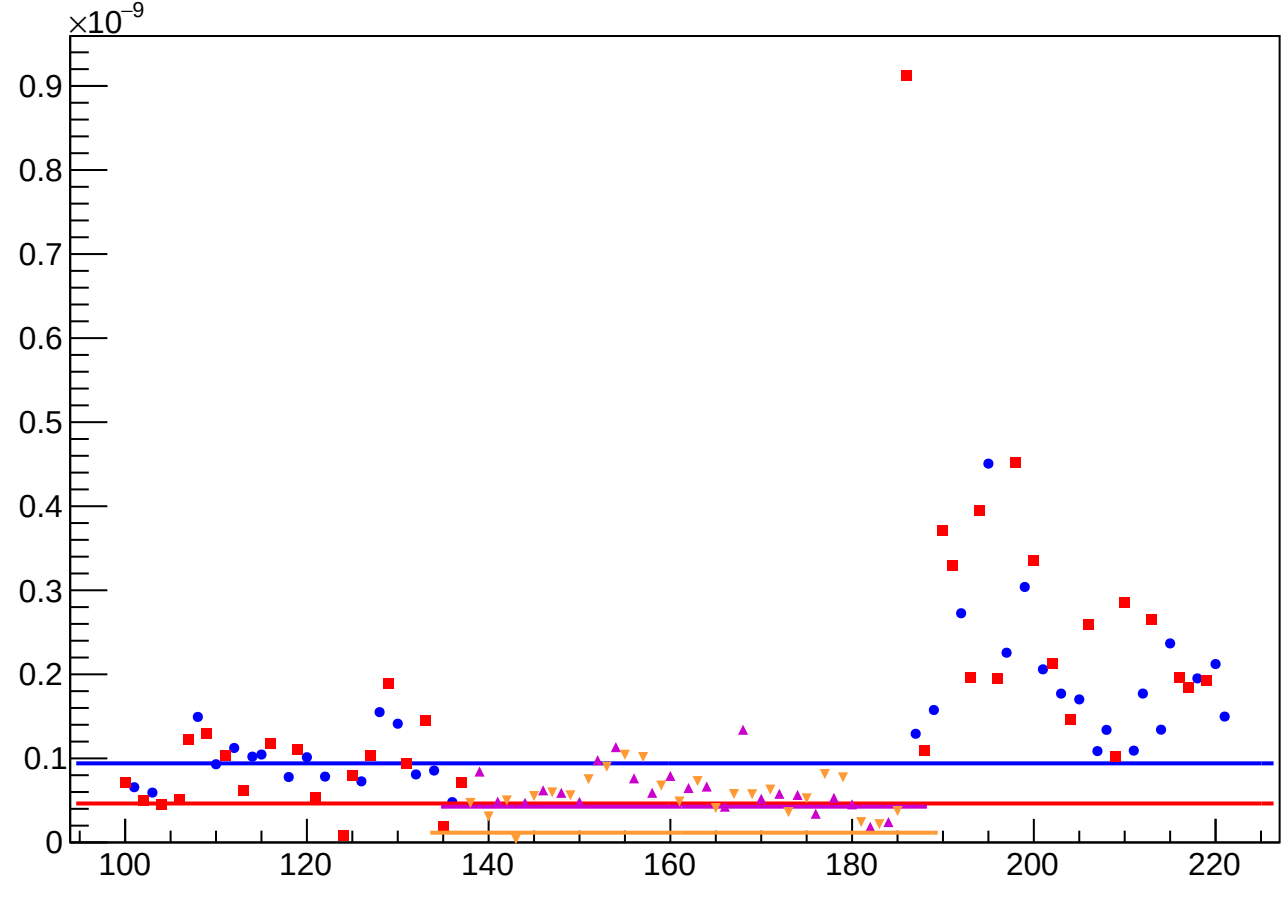
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

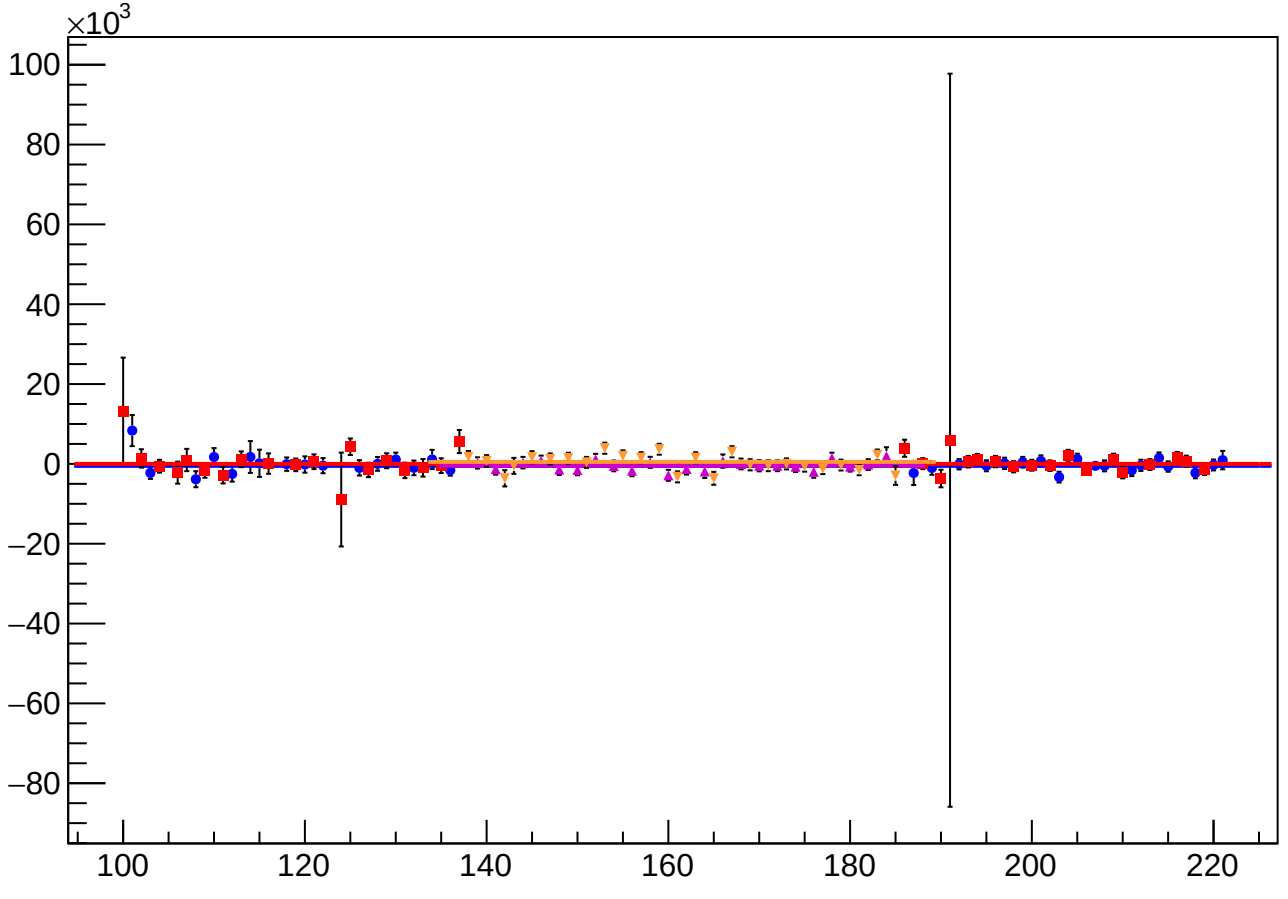
Right: 0.000+/-0.000 χ^2/NDF: 58.2/70

In: 0.000+/-0.000 χ^2/NDF:39.8/56

Out: 0.000+/-0.000 χ^2/NDF:60.6/61

All: 0.000+/-0.000 χ^2/NDF: 102.6/118


asym_atr1l2_dd_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: 6429011.5/33
Left Out: 0.000+/-0.000 χ²/NDF:17863822.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 16063134.4/36
Left In: 0.000+/-0.000 χ²/NDF:5419961.9/22
Left: 0.000+/-0.000 χ²/NDF: 32408011.0/47
Right: 0.000+/-0.000 χ²/NDF: 25967397.6/70
In: 0.000+/-0.000 χ²/NDF:16841173.9/56
Out: 0.000+/-0.000 χ²/NDF:39189498.9/61
All: 0.000+/-0.000 χ²/NDF: 71176803.1/118



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: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

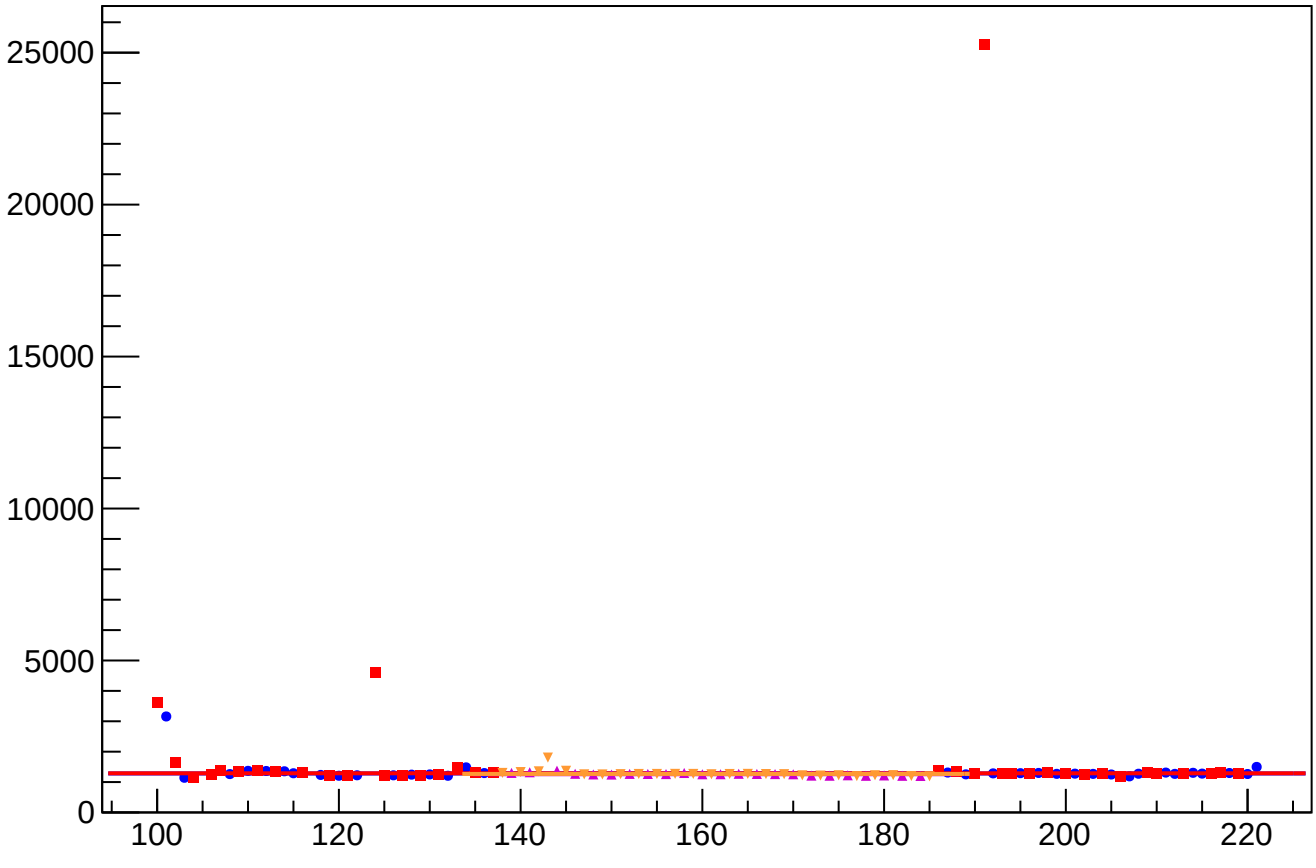
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -251.770+/-198.135 χ^2/NDF: 61.5/70

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -125.159+/-142.747 χ^2/NDF: 129.4/118



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: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

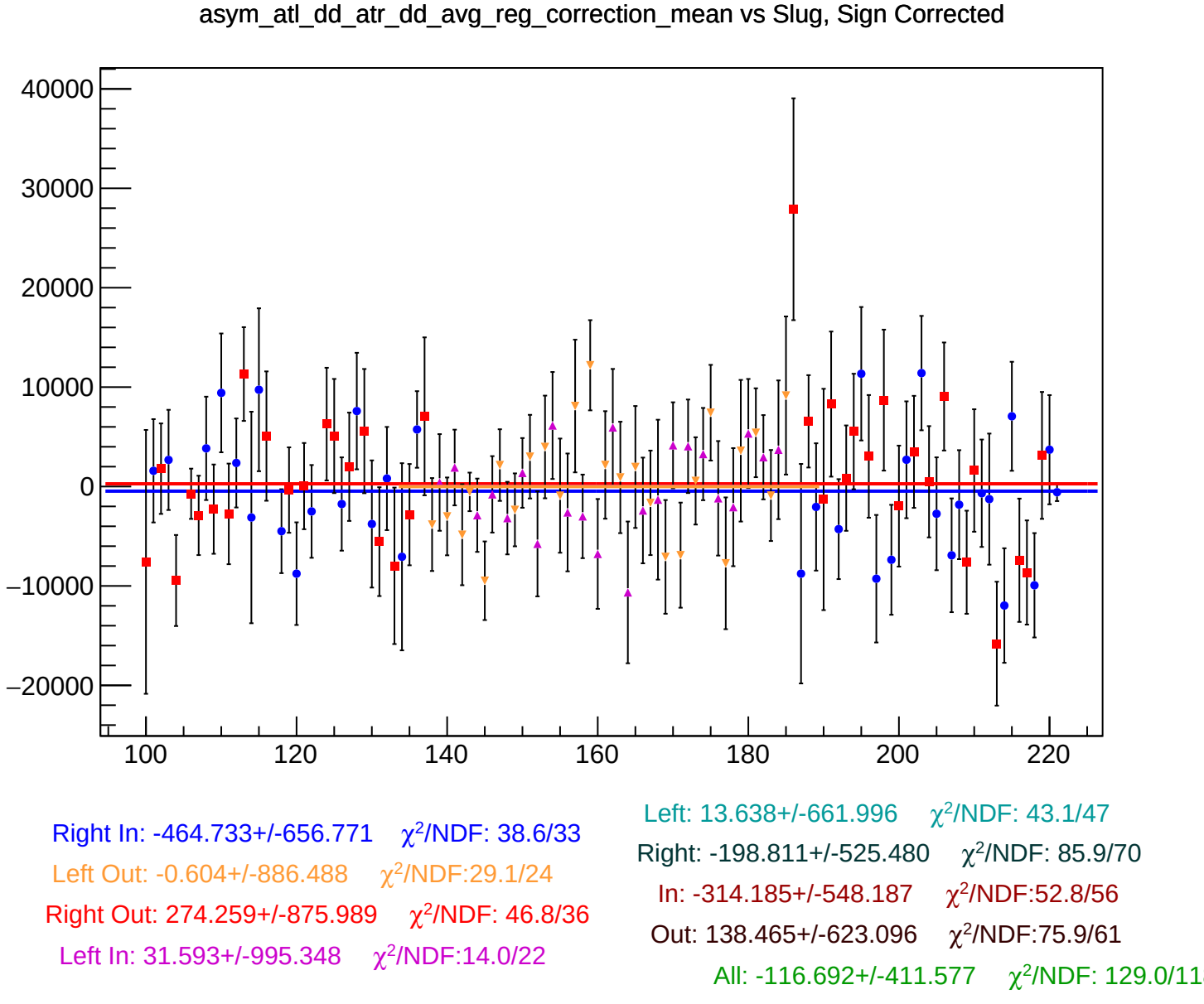
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

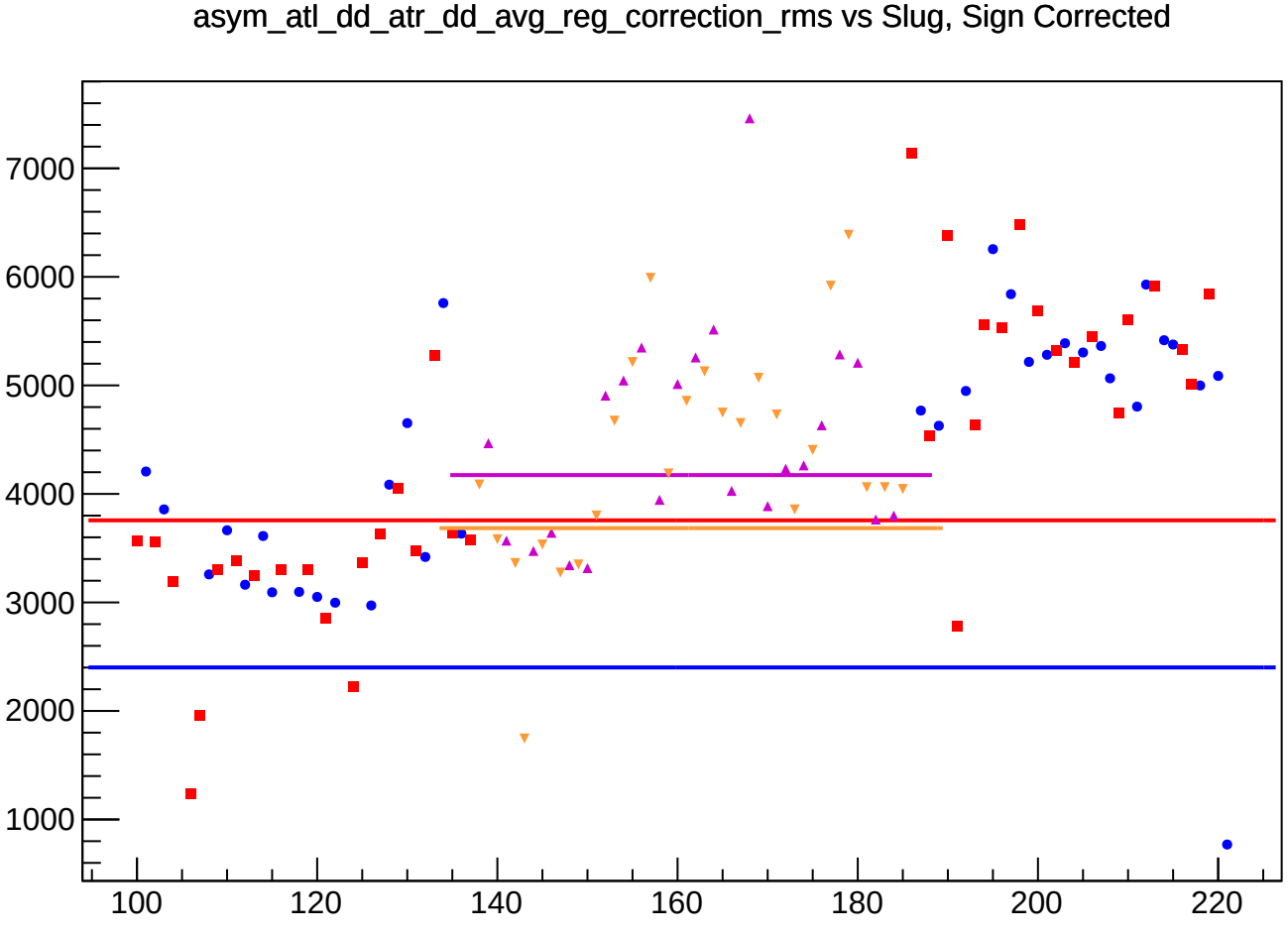
Right: 1285.265+/-0.140 χ^2/NDF: 1032714.5/70

In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1274.247+/-0.101 χ^2/NDF: 1270999.6/11


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: 274.259+/-875.989 χ²/NDF: 46.8/36
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: -198.811+/-525.480 χ²/NDF: 85.9/70
In: -314.185+/-548.187 χ²/NDF:52.8/56
Out: 138.465+/-623.096 χ²/NDF:75.9/61
All: -116.692+/-411.577 χ²/NDF: 129.0/118



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: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

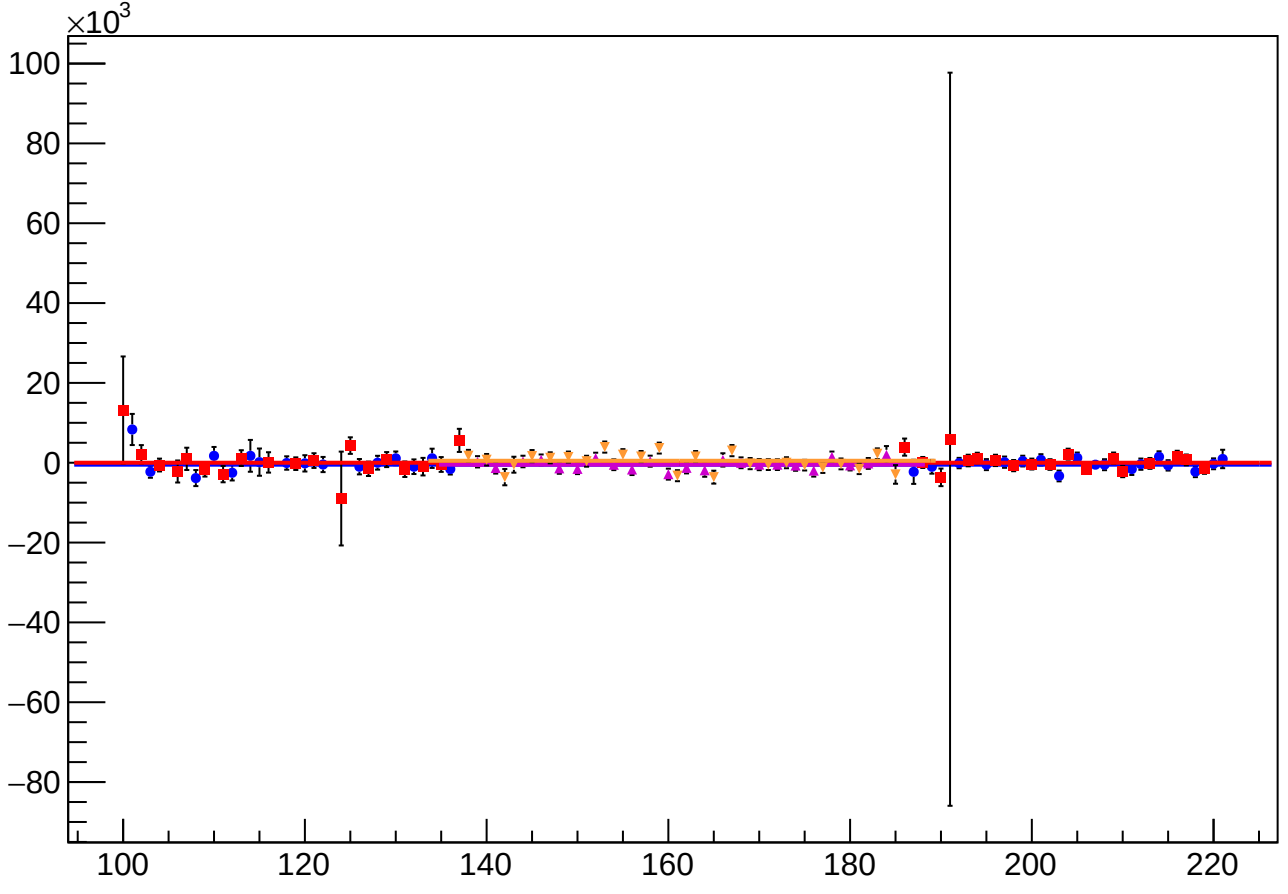
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 2888.699+/-0.372 χ^2/NDF: 25280481.9/70

In: 2938.607+/-0.388 χ^2/NDF:22341141.1/56

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3279.983+/-0.291 χ^2/NDF: 33386929.1/1



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: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

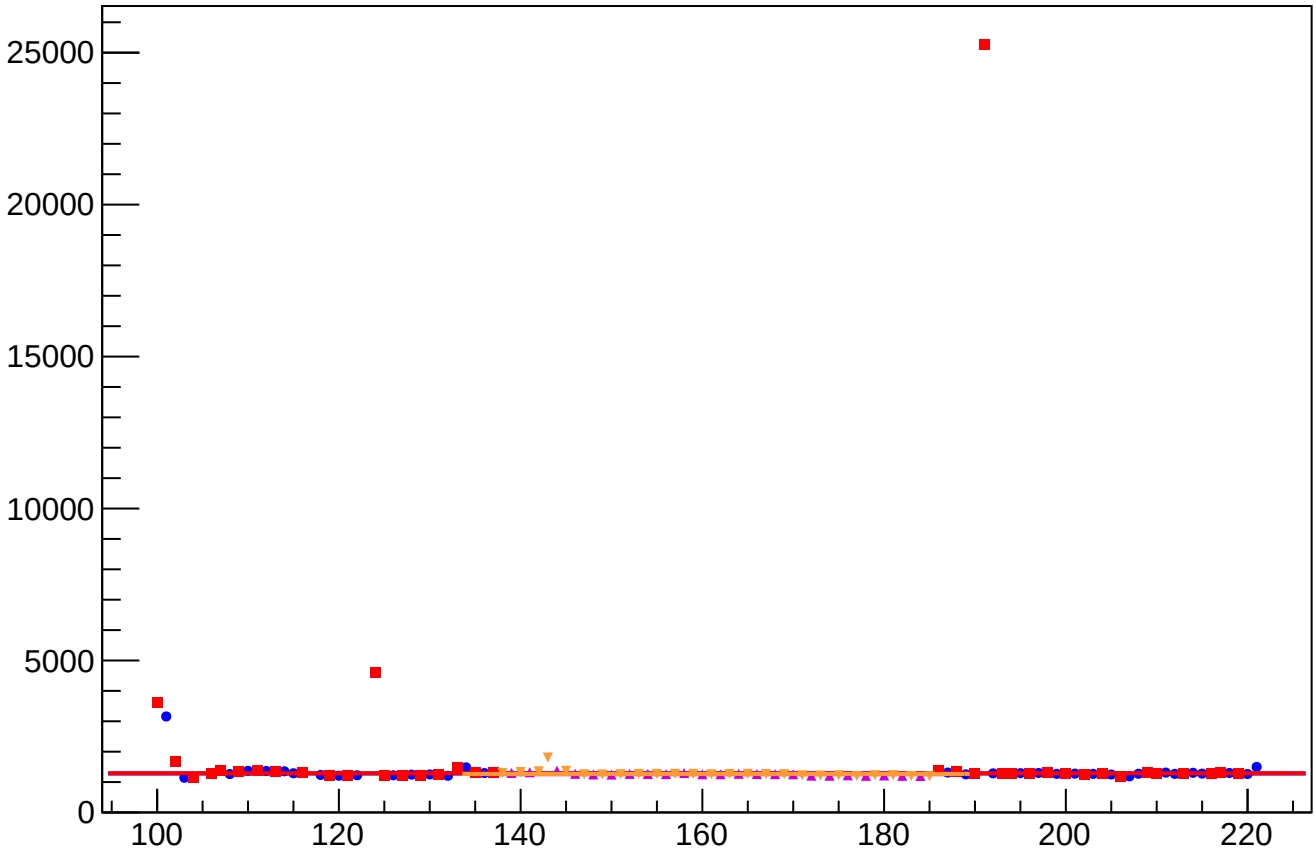
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.104+/-198.157 χ^2/NDF: 62.0/70

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -122.695+/-142.756 χ^2/NDF: 129.8/118



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: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

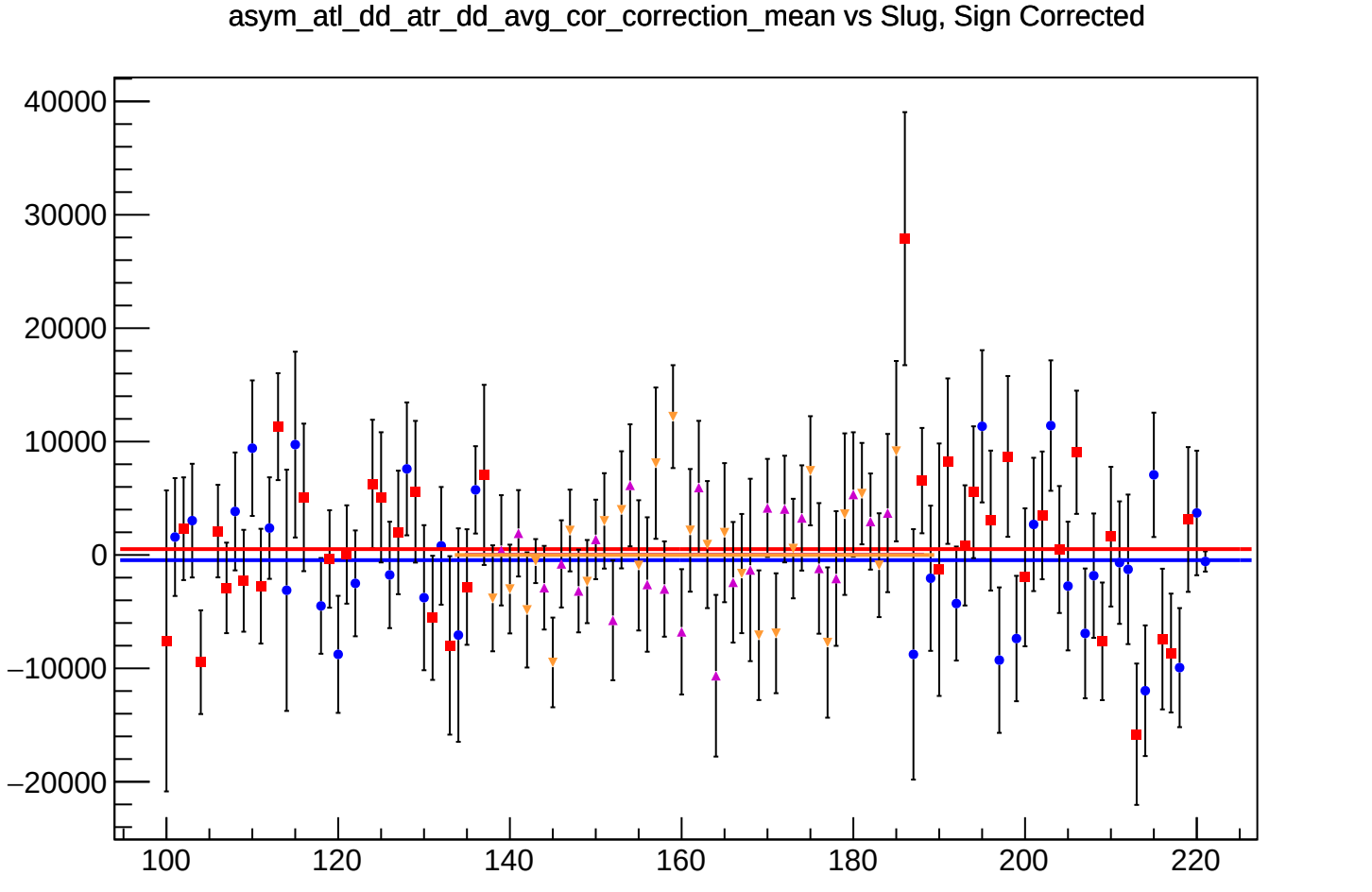
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1285.594+/-0.140 χ^2/NDF: 1039731.4/70

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11



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: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

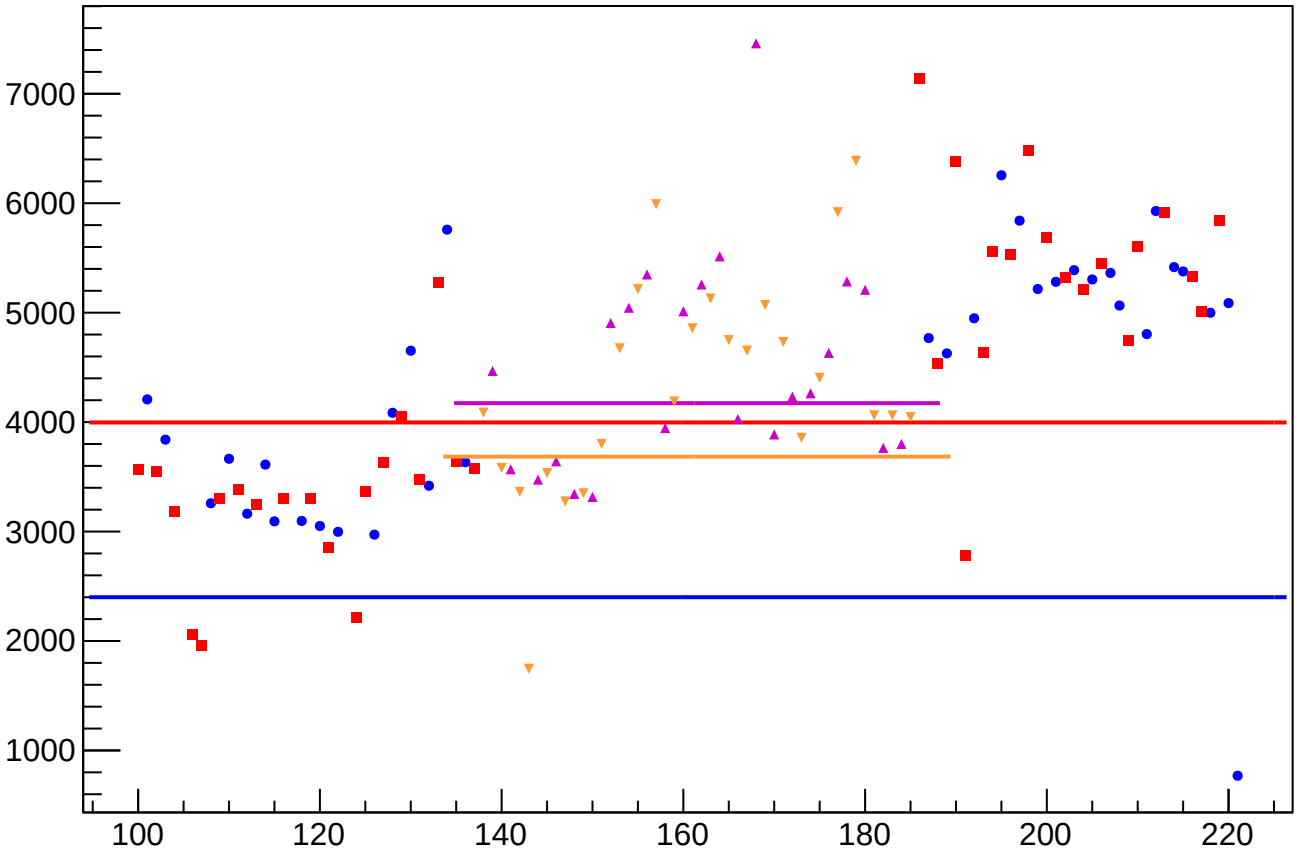
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: -124.437+/-532.481 χ^2/NDF: 86.3/70

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: -70.182+/-414.914 χ^2/NDF: 129.4/118



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: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

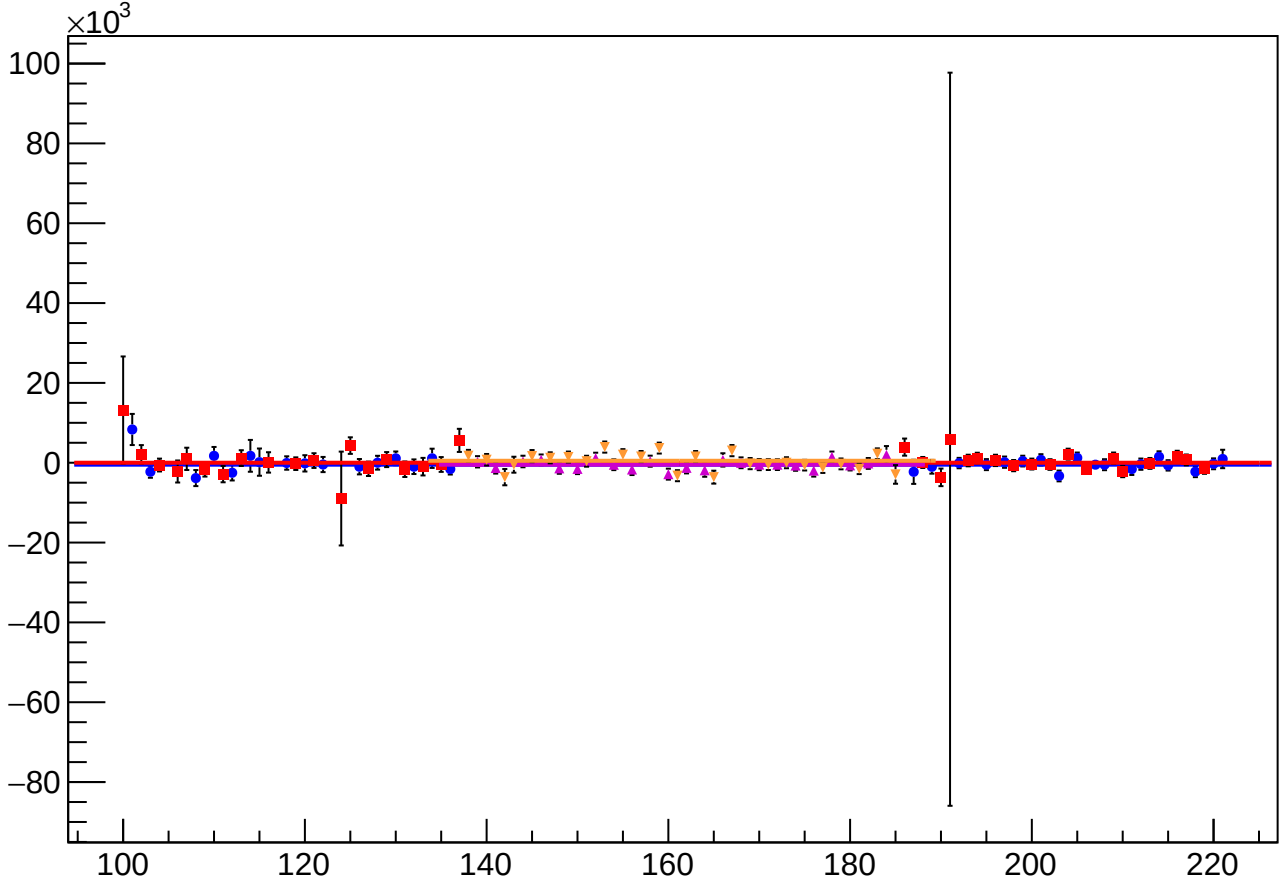
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2946.860+/-0.377 χ^2/NDF: 24496945.6/70

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/1



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: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

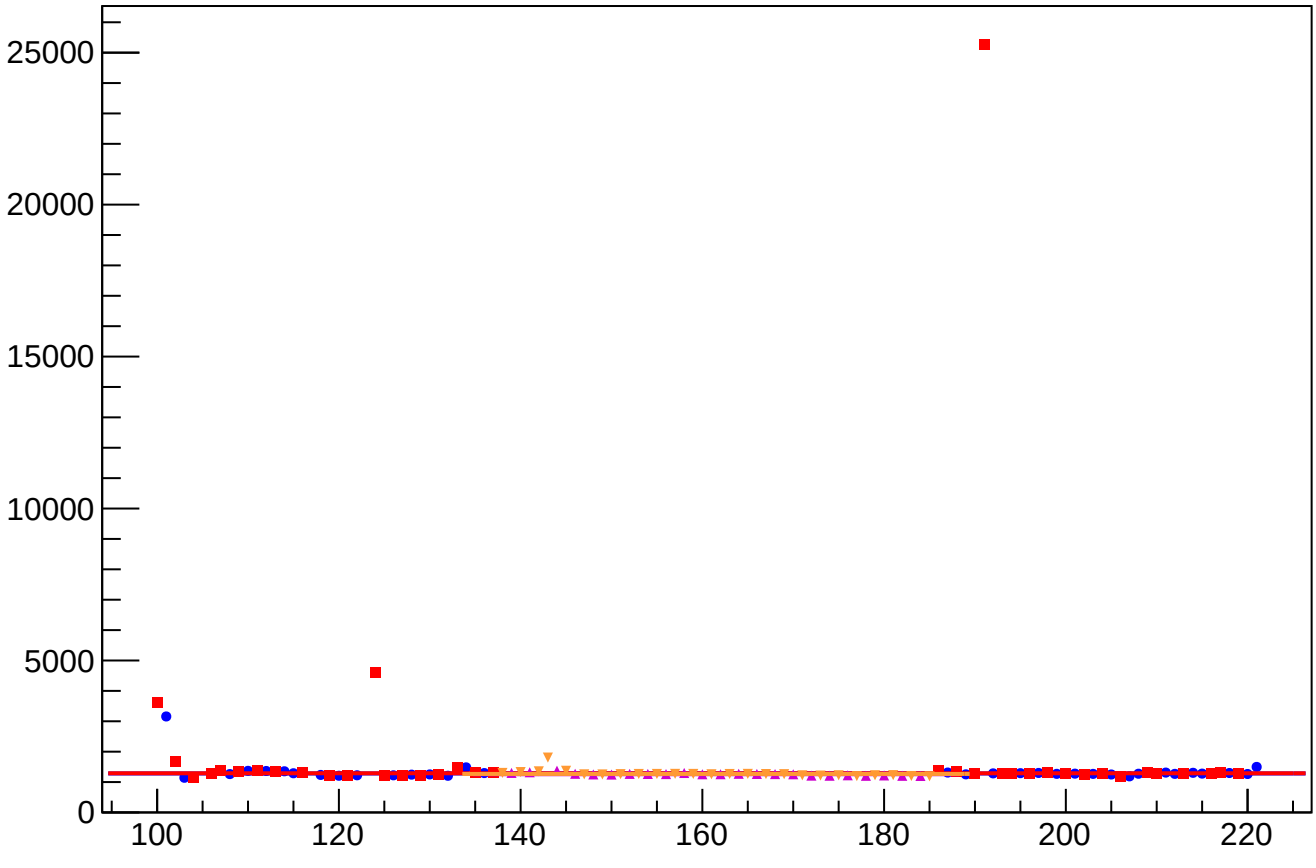
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.104+/-198.157 χ^2/NDF: 62.0/70

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -122.695+/-142.756 χ^2/NDF: 129.8/118



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: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

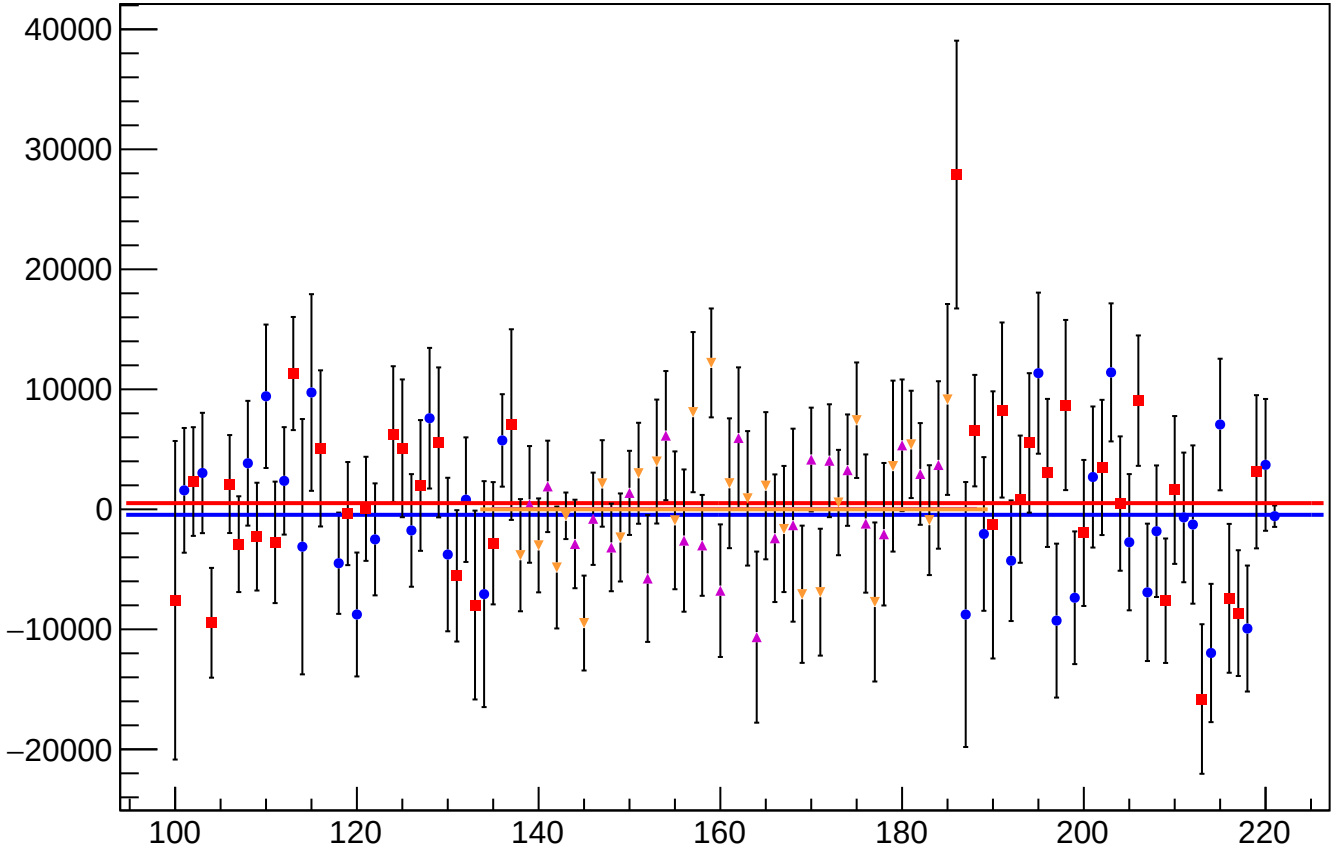
Right: 1285.594+/-0.140 χ^2/NDF: 1039731.4/70

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

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: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

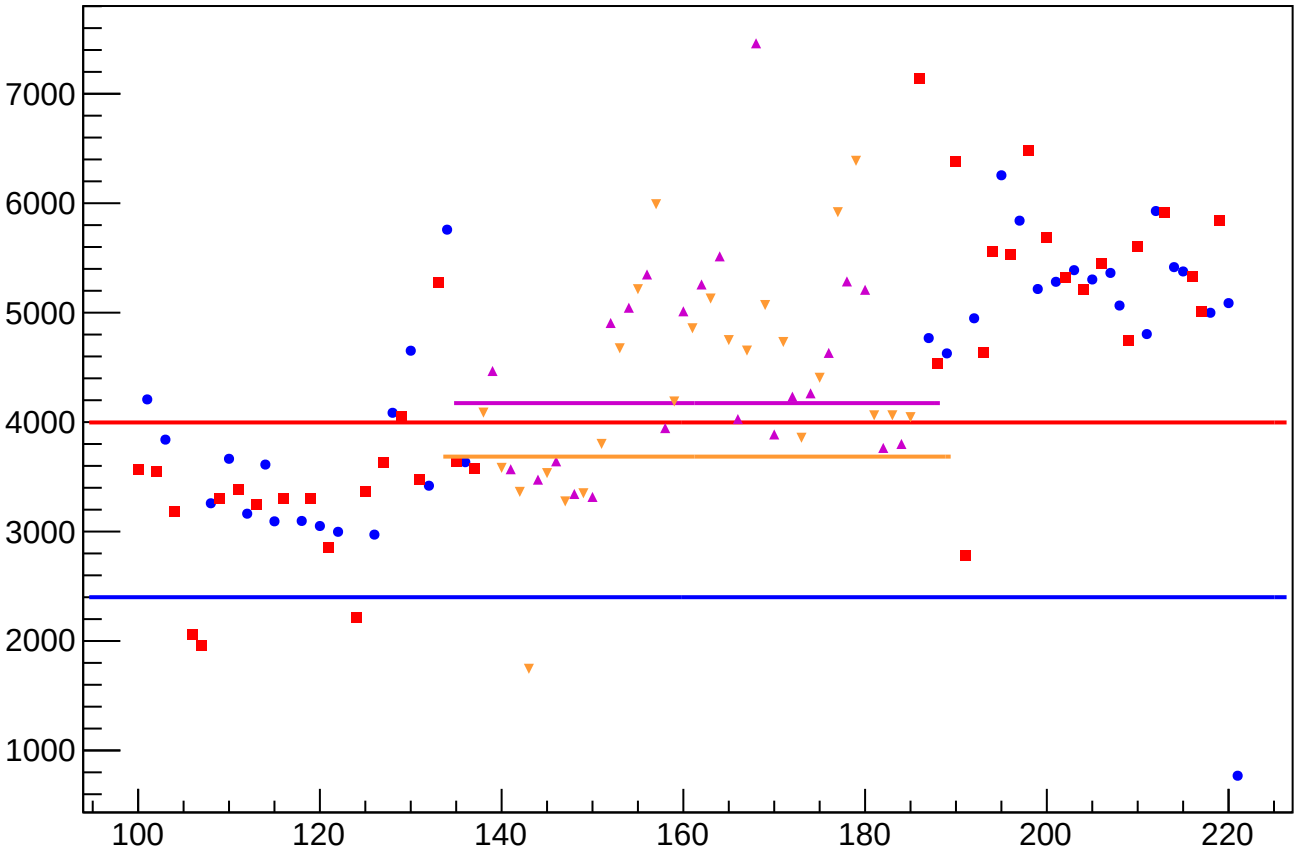
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: -124.437+/-532.481 χ^2/NDF: 86.3/70

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: -70.182+/-414.914 χ^2/NDF: 129.4/118



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: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

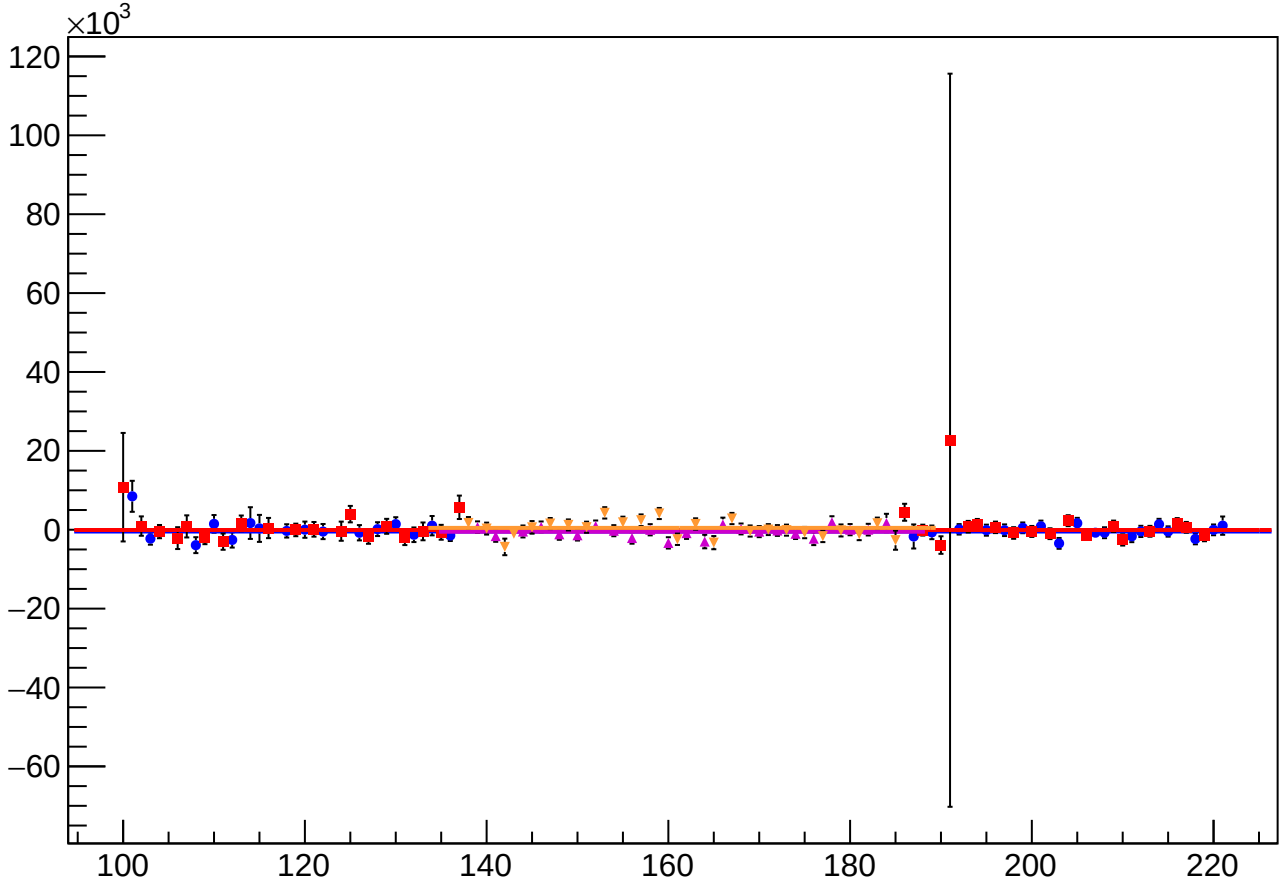
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2946.860+/-0.377 χ^2/NDF: 24496945.6/70

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/



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: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

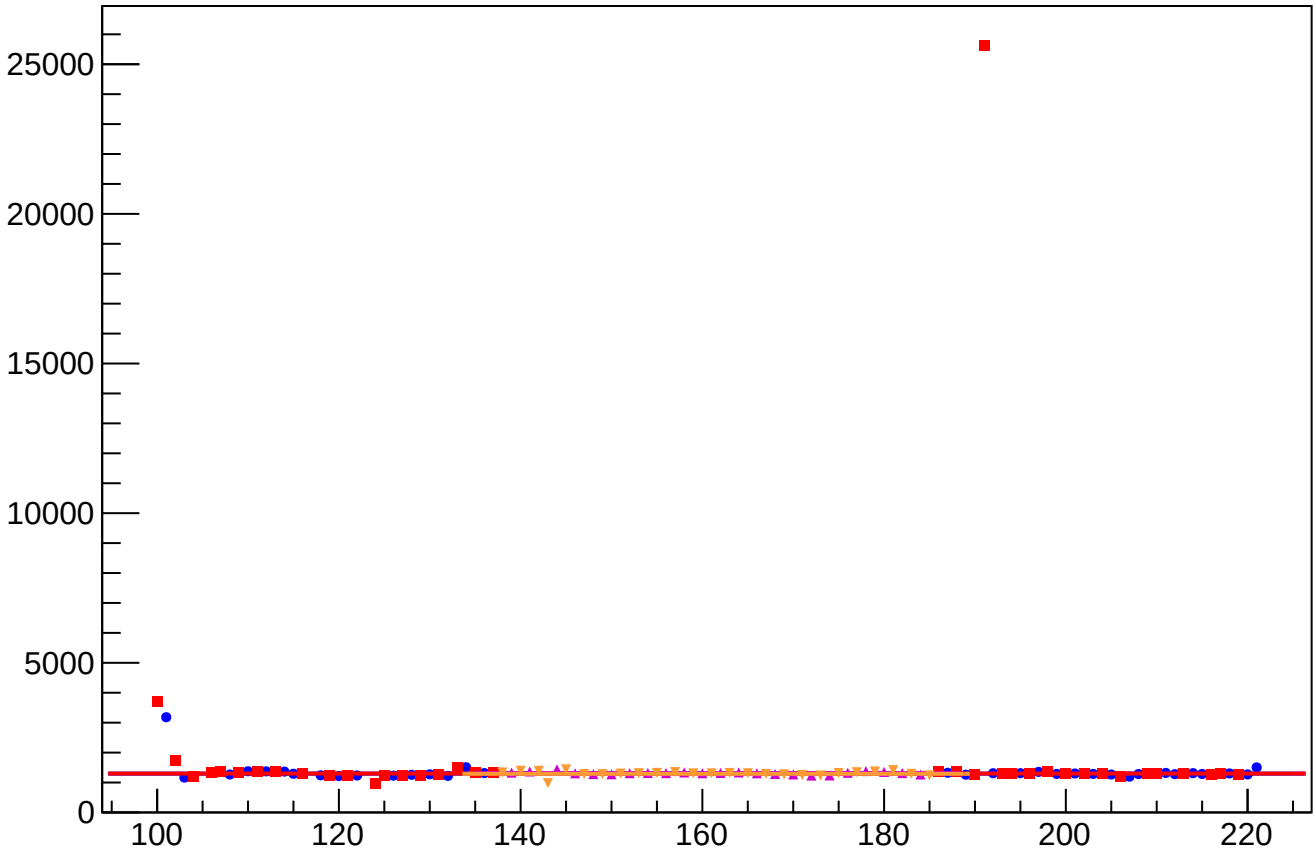
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -258.725+/-200.048 χ^2/NDF: 64.1/70

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -135.794+/-145.643 χ^2/NDF: 131.7/118



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: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

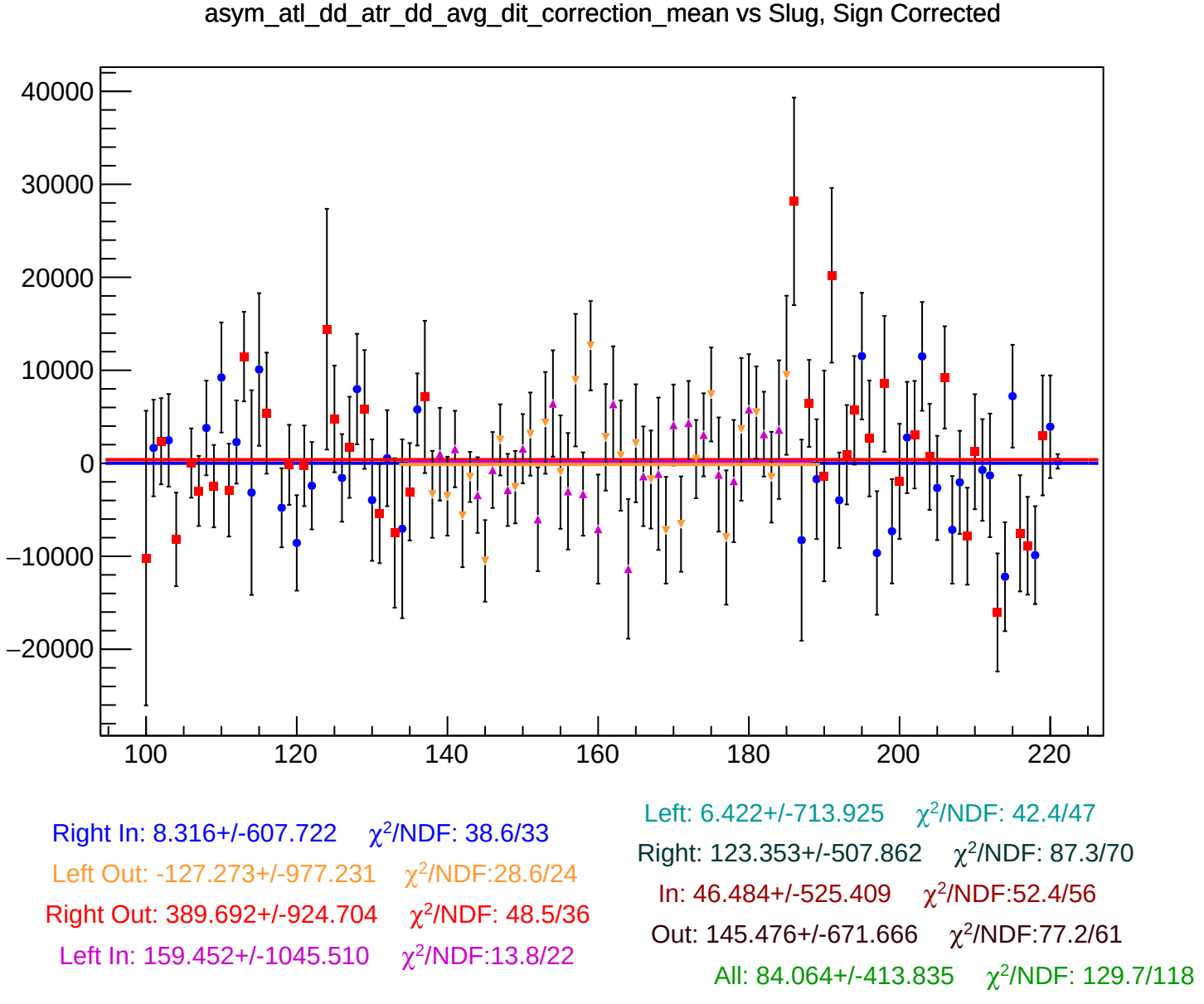
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1298.379+/-0.141 χ^2/NDF: 926768.1/70

In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1300.139+/-0.103 χ^2/NDF: 1206622.8/11


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
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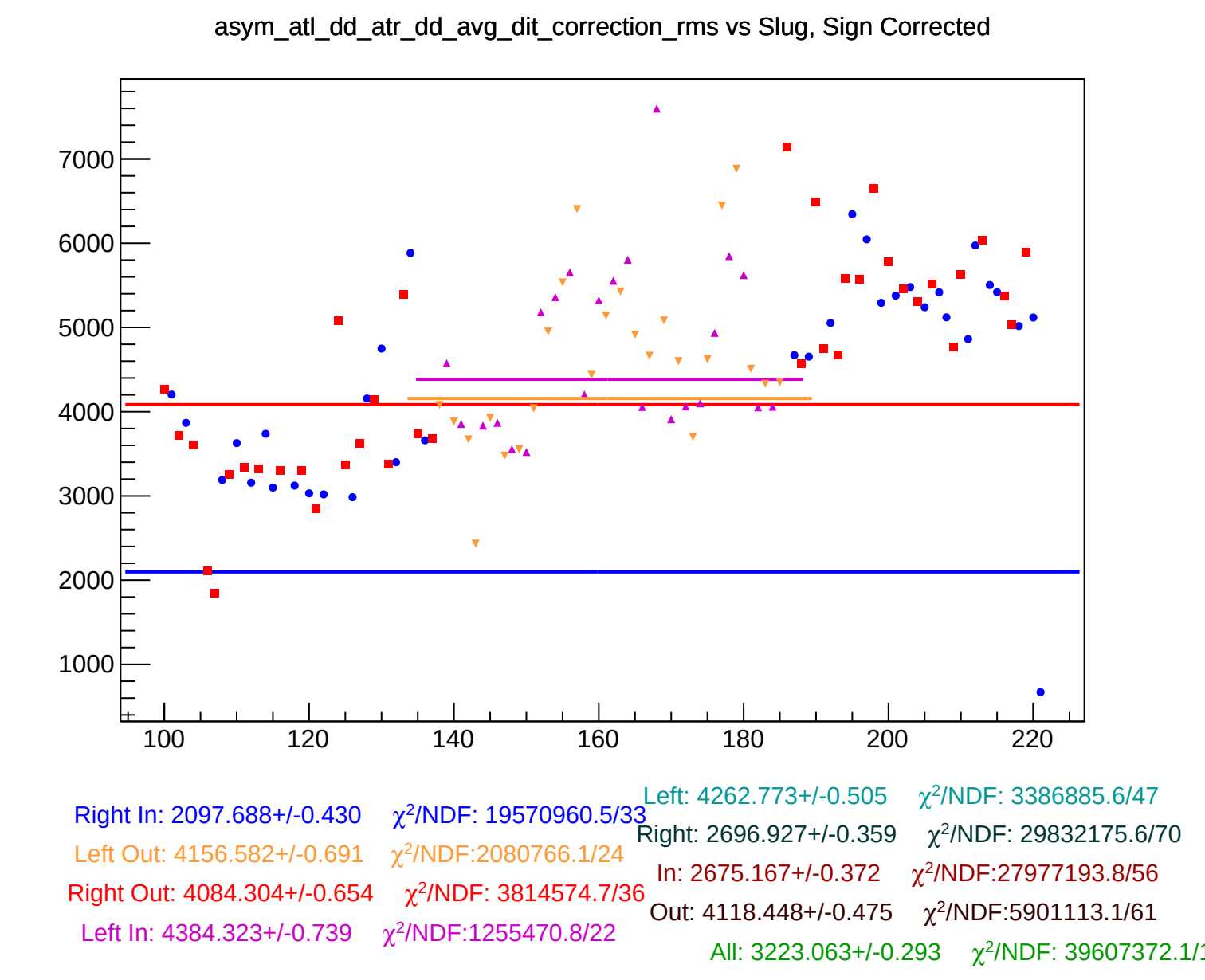
Right In: 8.316+/-607.722 χ²/NDF: 38.6/33
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 389.692+/-924.704 χ²/NDF: 48.5/36
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 123.353+/-507.862 χ²/NDF: 87.3/70
In: 46.484+/-525.409 χ²/NDF:52.4/56
Out: 145.476+/-671.666 χ²/NDF:77.2/61
All: 84.064+/-413.835 χ²/NDF: 129.7/118


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
7000
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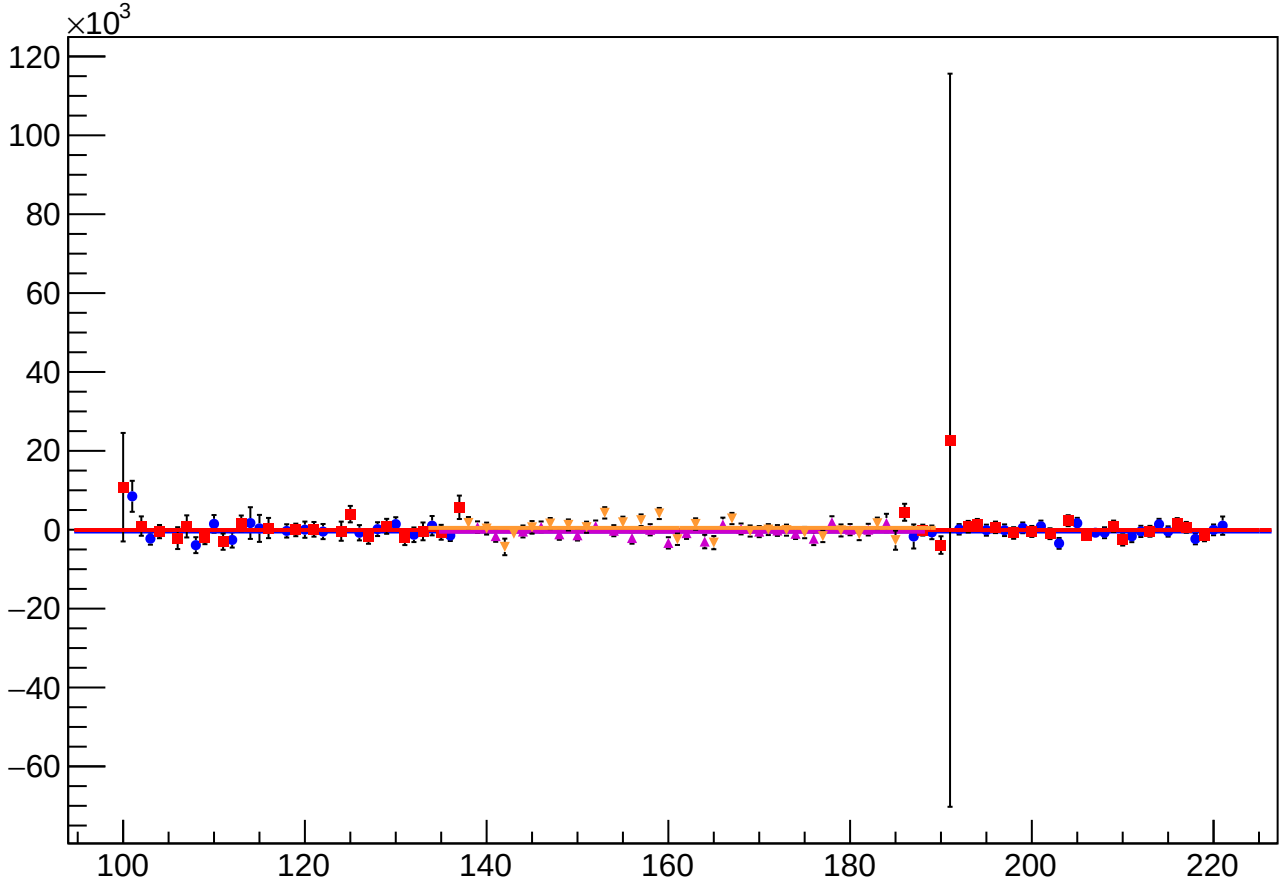
Right In: 2097.688+/-0.430 χ²/NDF: 19570960.5/33
Left Out: 4156.582+/-0.691 χ²/NDF:2080766.1/24
Right Out: 4084.304+/-0.654 χ²/NDF: 3814574.7/36
Left In: 4384.323+/-0.739 χ²/NDF:1255470.8/22
Left: 4262.773+/-0.505 χ²/NDF: 3386885.6/47
Right: 2696.927+/-0.359 χ²/NDF: 29832175.6/70
In: 2675.167+/-0.372 χ²/NDF:27977193.8/56
Out: 4118.448+/-0.475 χ²/NDF:5901113.1/61
All: 3223.063+/-0.293 χ²/NDF: 39607372.1/



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: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

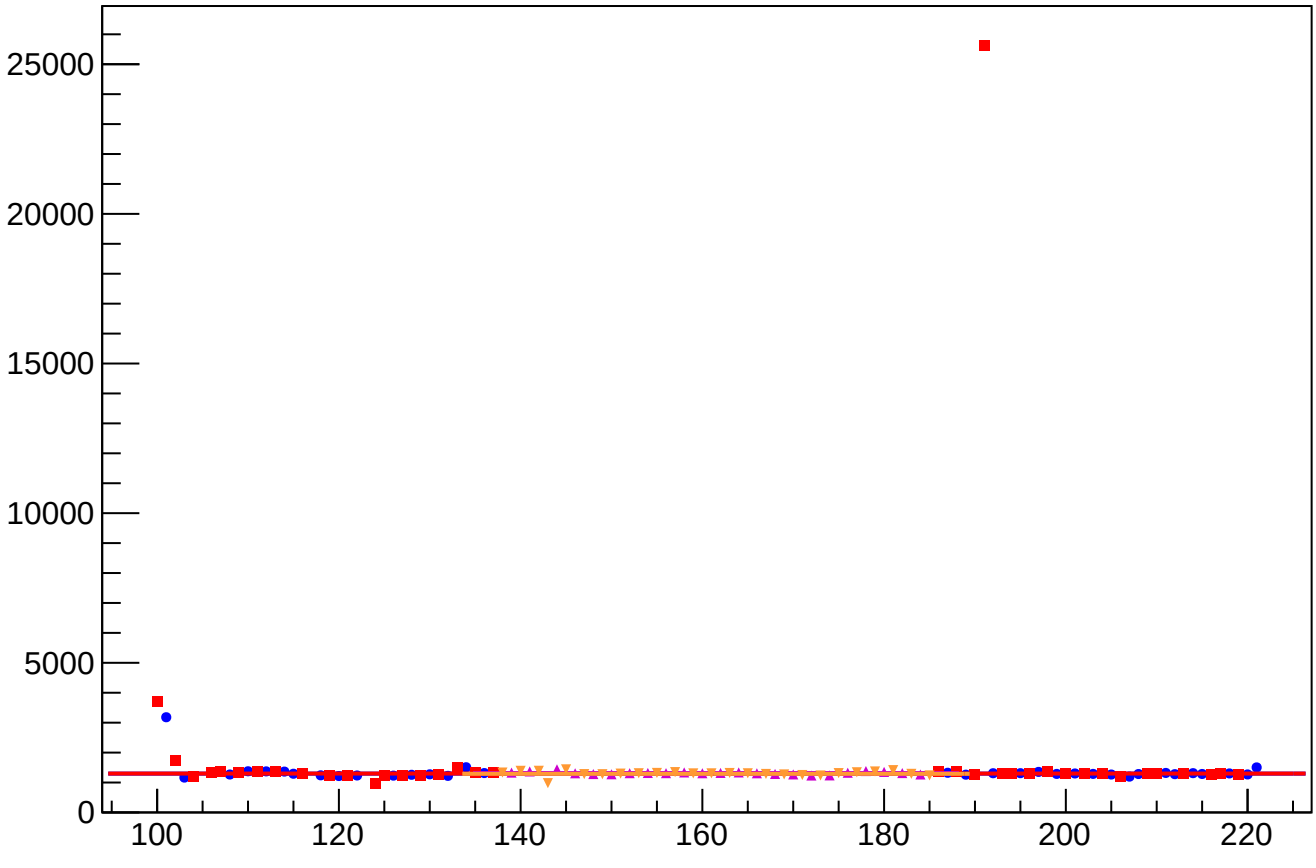
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -258.724+/-200.048 χ^2/NDF: 64.1/70

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -135.793+/-145.643 χ^2/NDF: 131.7/118



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: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

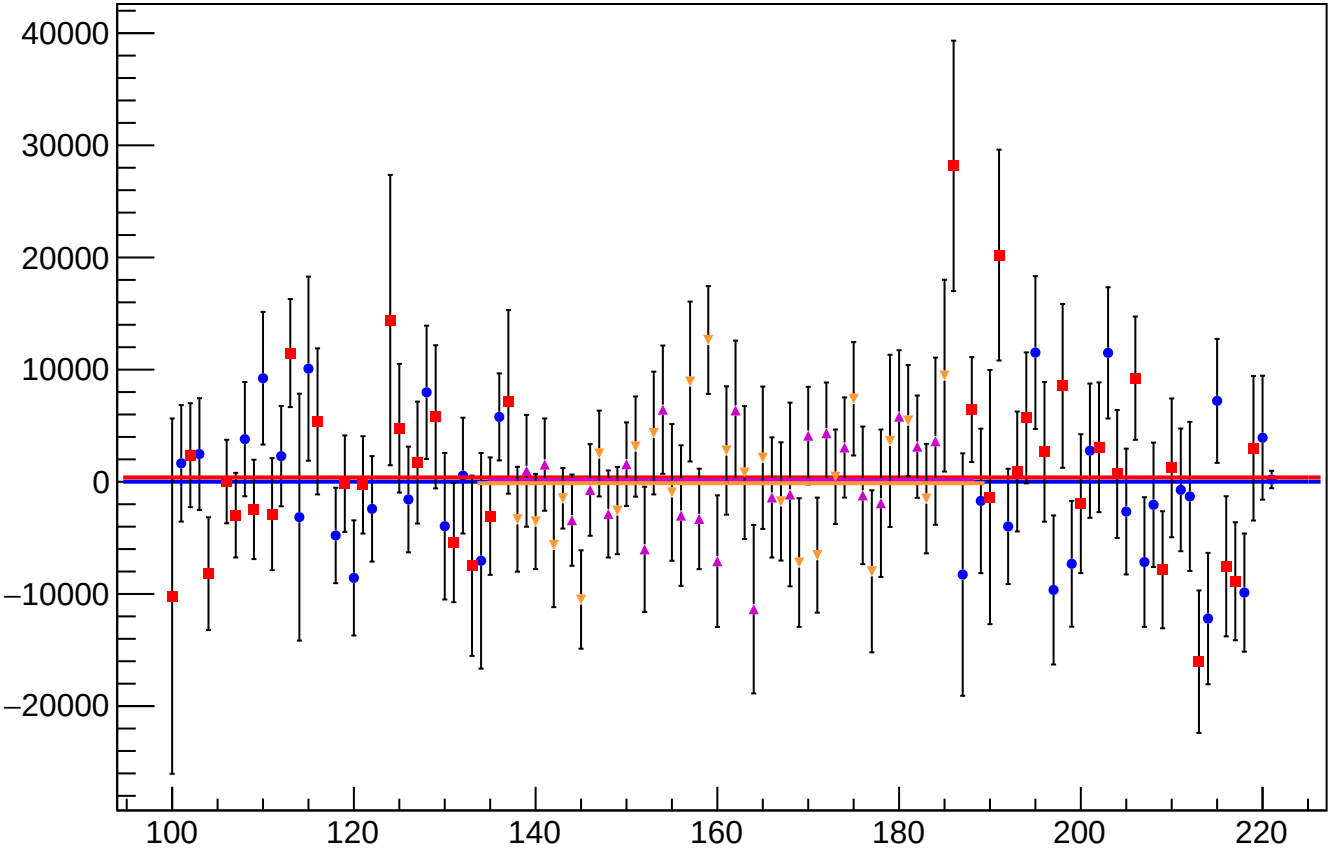
Right: 1298.380+/-0.141 χ^2/NDF: 926768.3/70

In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1300.139+/-0.103 χ^2/NDF: 1206627.9/11

asym_atl_dd_atr_dd_avg_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: 389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

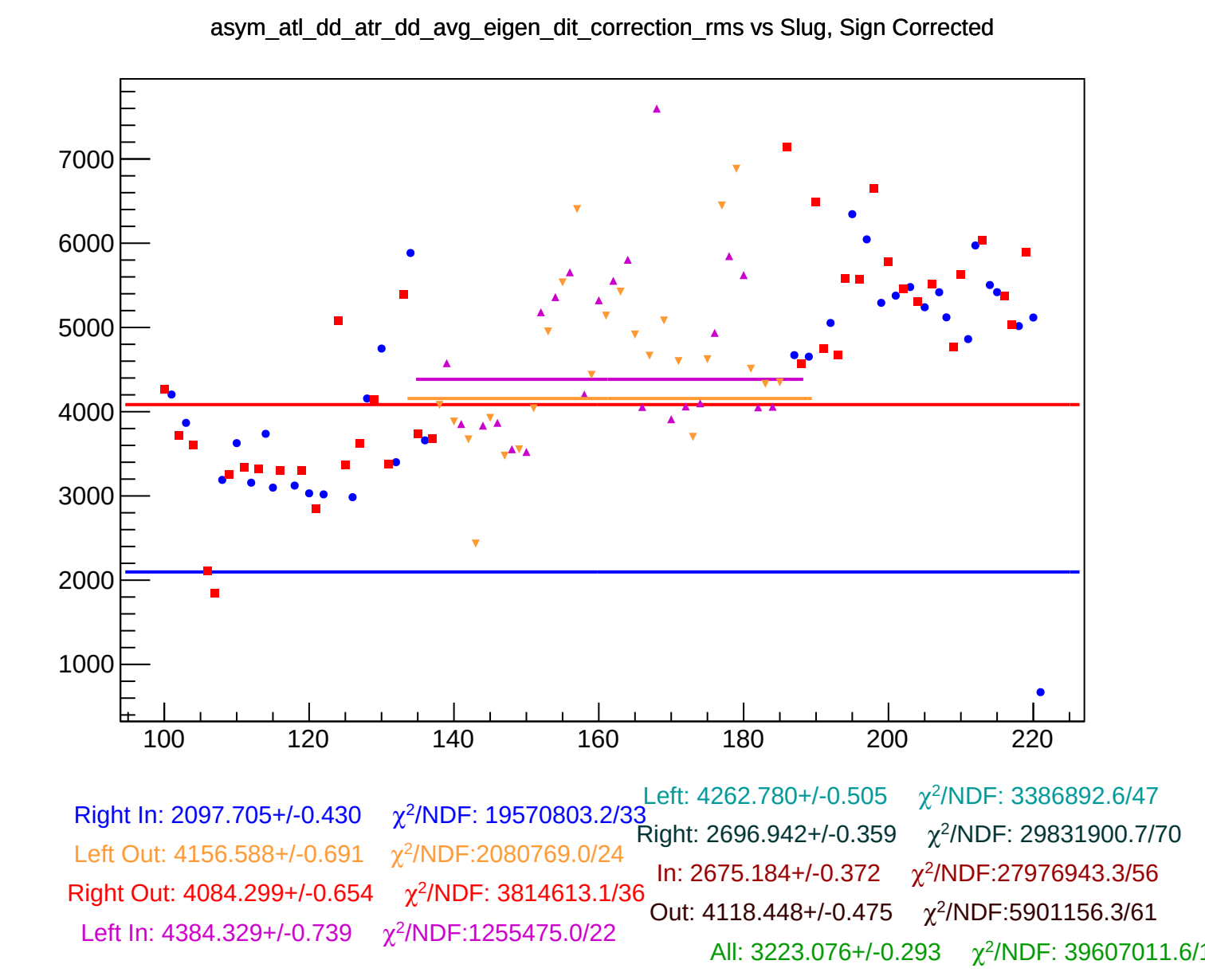
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 123.357+/-507.863 χ^2/NDF: 87.3/70

In: 46.490+/-525.411 χ^2/NDF:52.4/56

Out: 145.475+/-671.666 χ^2/NDF:77.2/61

All: 84.066+/-413.836 χ^2/NDF: 129.7/118


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
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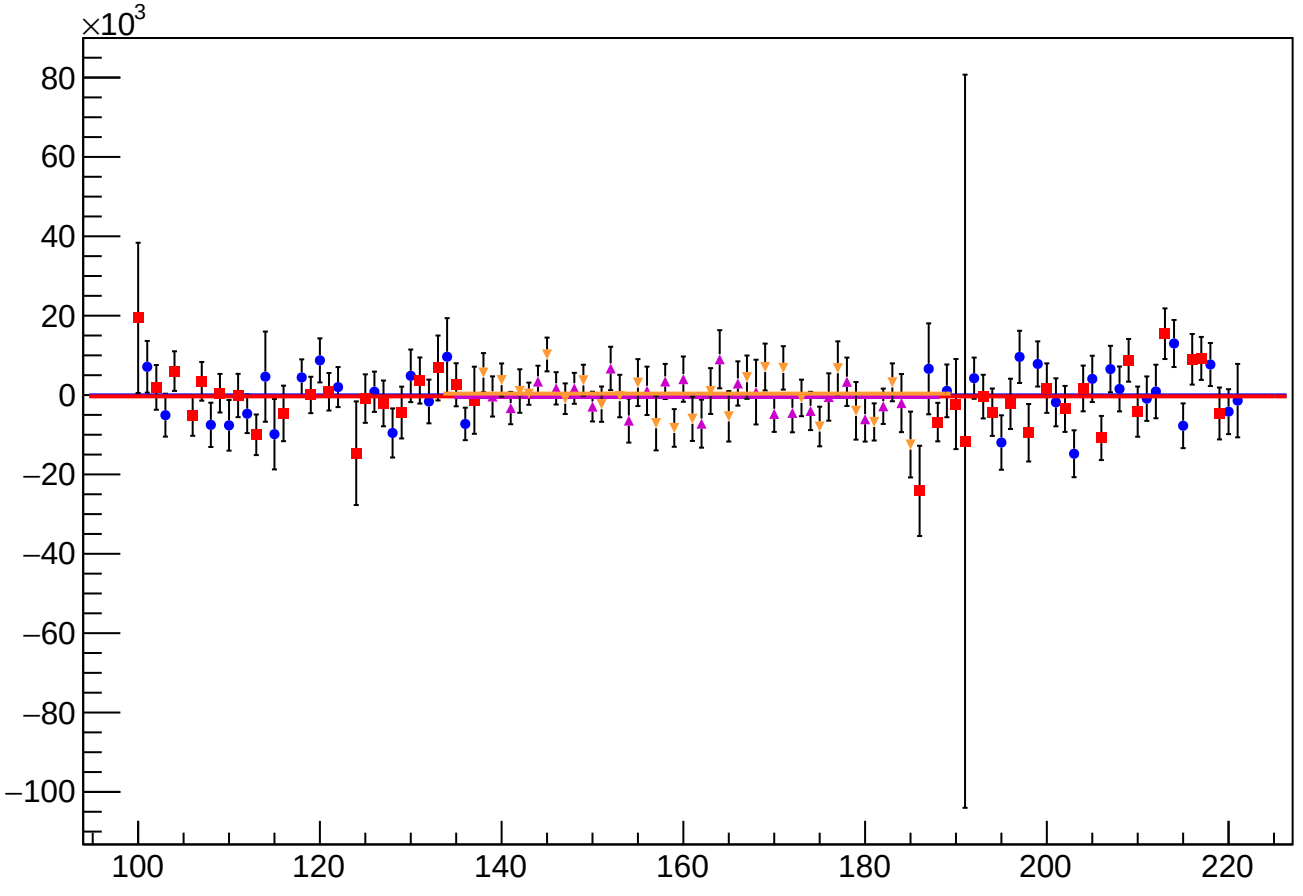
Right In: 2097.705+/-0.430 χ²/NDF: 19570803.2/33
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 4084.299+/-0.654 χ²/NDF: 3814613.1/36
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 2696.942+/-0.359 χ²/NDF: 29831900.7/70
In: 2675.184+/-0.372 χ²/NDF:27976943.3/56
Out: 4118.448+/-0.475 χ²/NDF:5901156.3/61
All: 3223.076+/-0.293 χ²/NDF: 39607011.6/



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: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

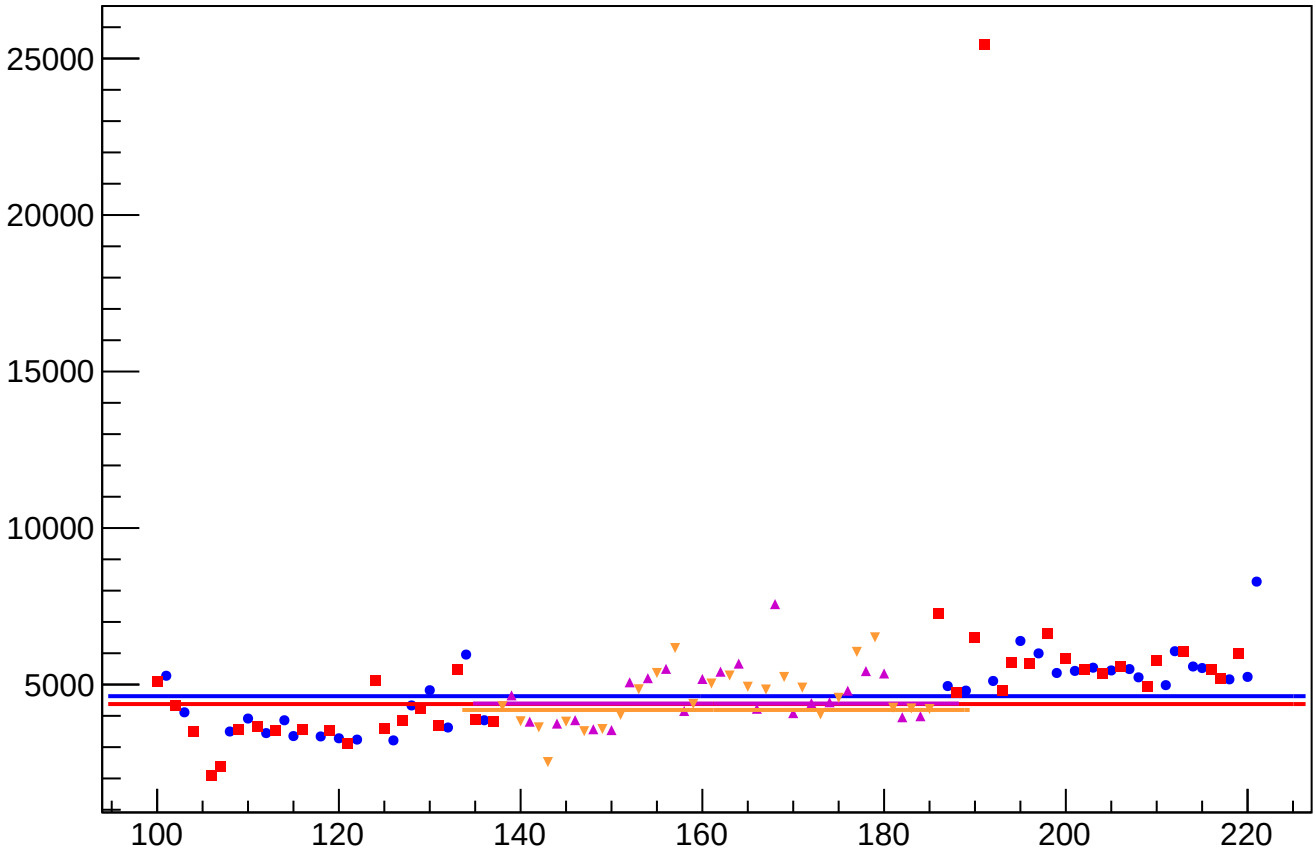
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -210.465+/-711.712 χ^2/NDF: 83.1/70

In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -125.578+/-504.306 χ^2/NDF: 125.1/118



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: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

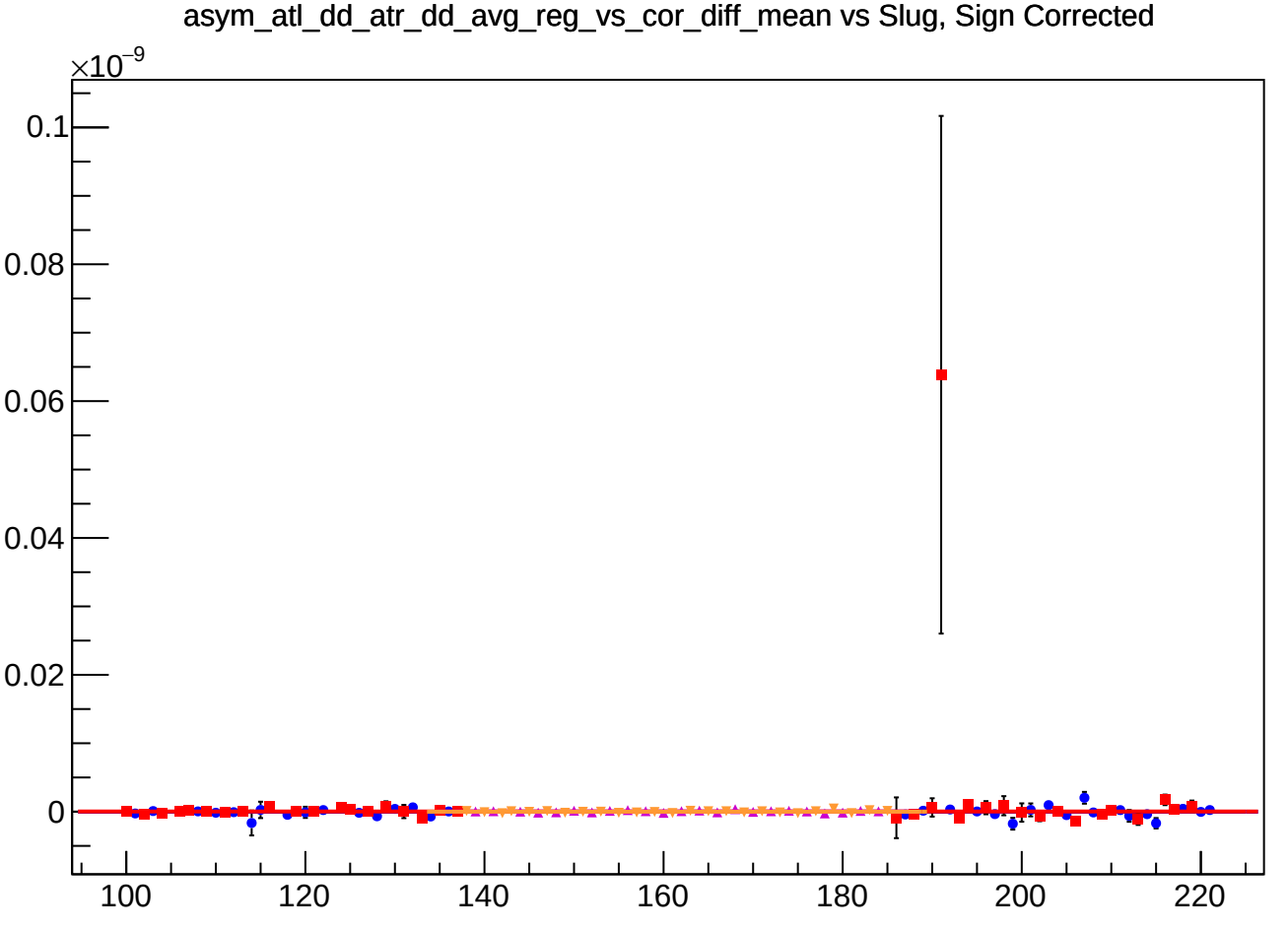
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4499.014+/-0.501 χ^2/NDF: 5172529.1/70

In: 4514.482+/-0.515 χ^2/NDF:3234954.2/56

Out: 4281.466+/-0.492 χ^2/NDF:4847772.7/61

All: 4392.617+/-0.356 χ^2/NDF: 8189669.5/11



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: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

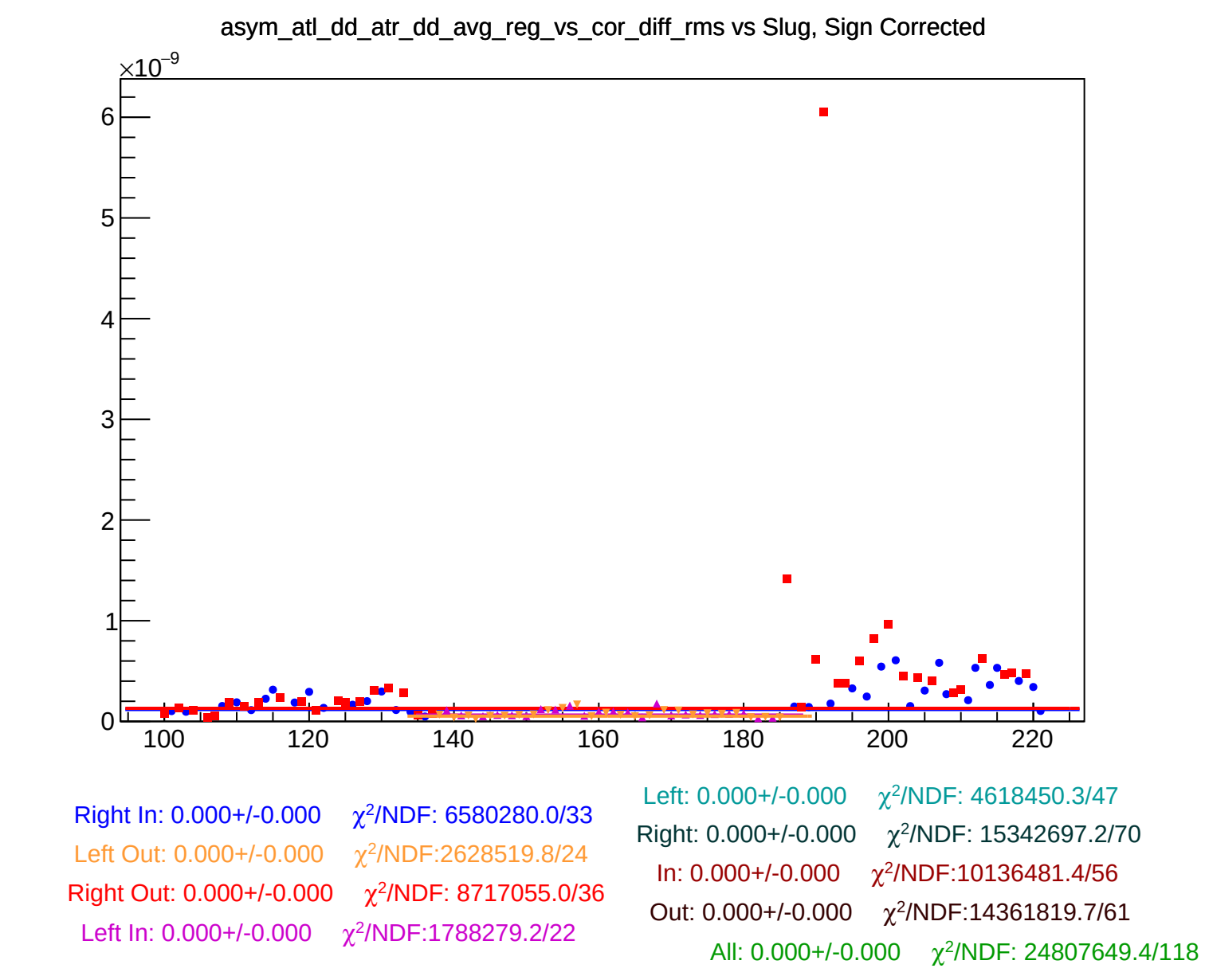
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: 0.000+/-0.000 χ^2/NDF: 84.0/70

In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 132.0/118


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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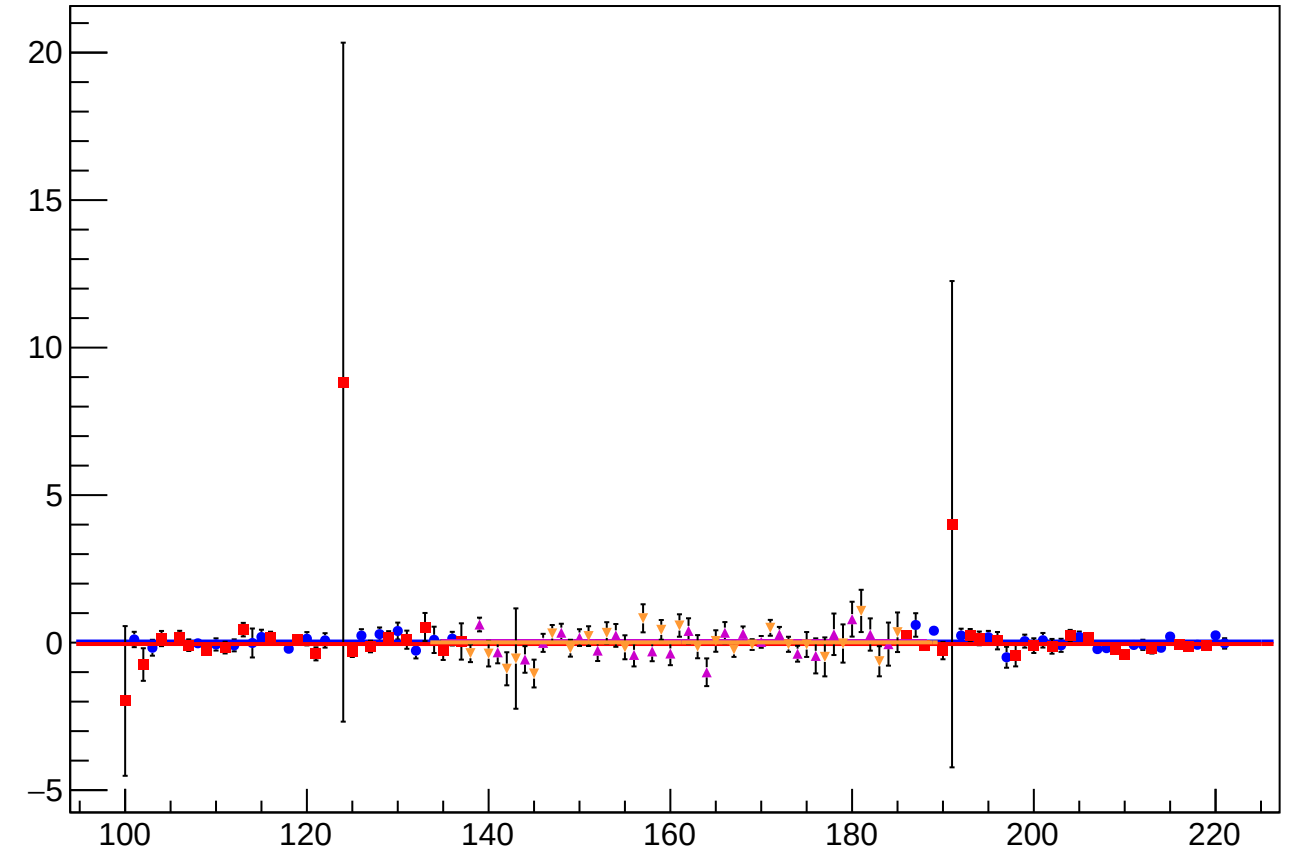
220
Right In: 0.000+/-0.000 χ²/NDF: 6580280.0/33
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8717055.0/36
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 15342697.2/70
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14361819.7/61
All: 0.000+/-0.000 χ²/NDF: 24807649.4/118



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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

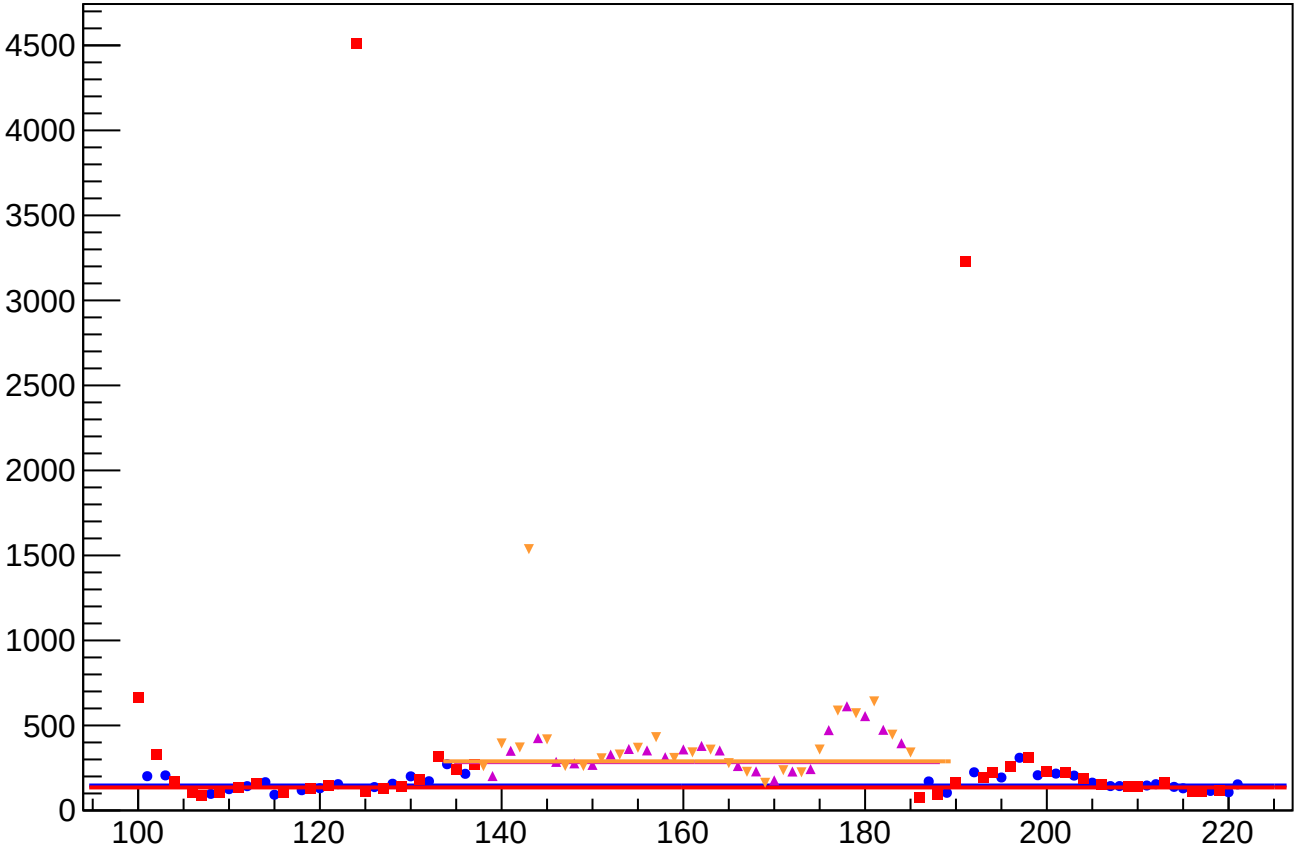
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

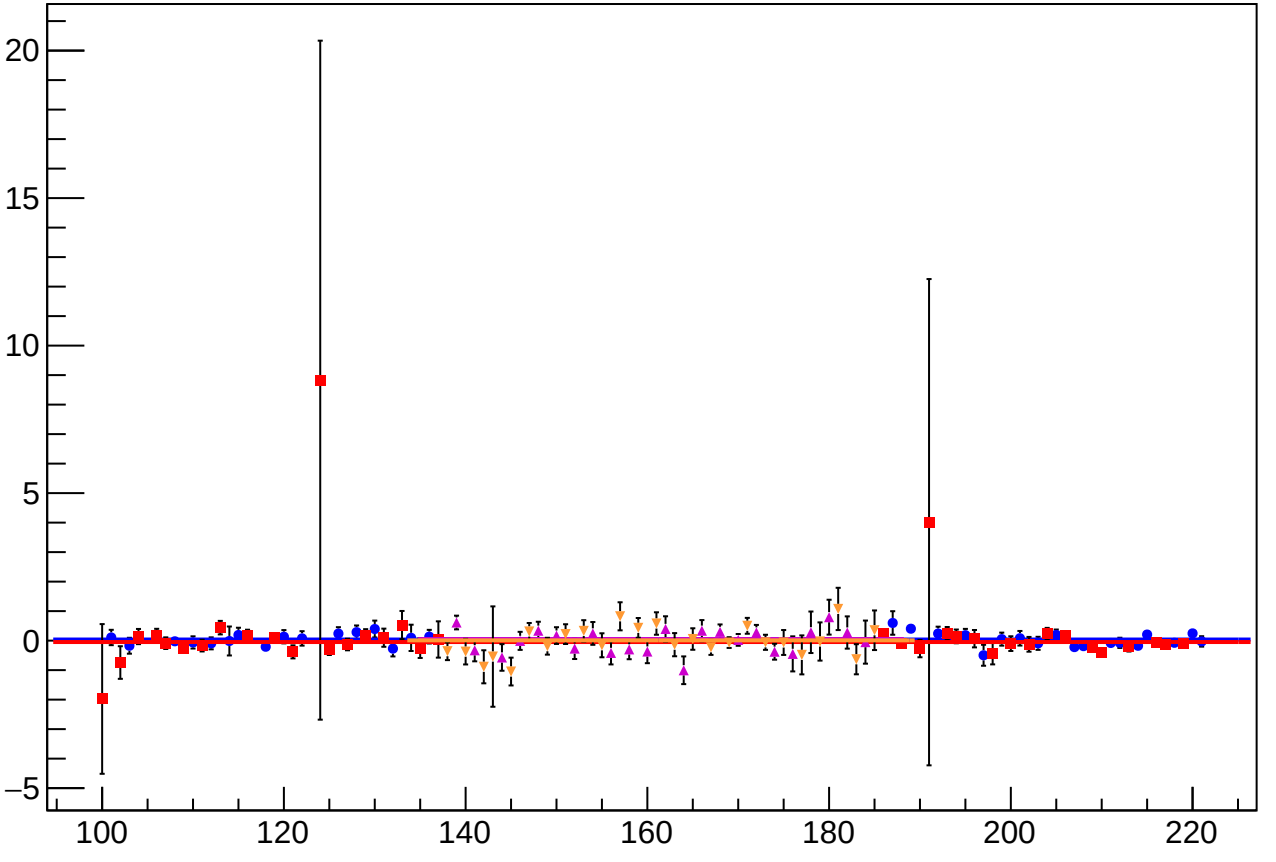
Right: 140.850+/-0.016 χ^2/NDF: 7841810.6/70

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.386+/-0.015 χ^2/NDF: 29573288.7/11

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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

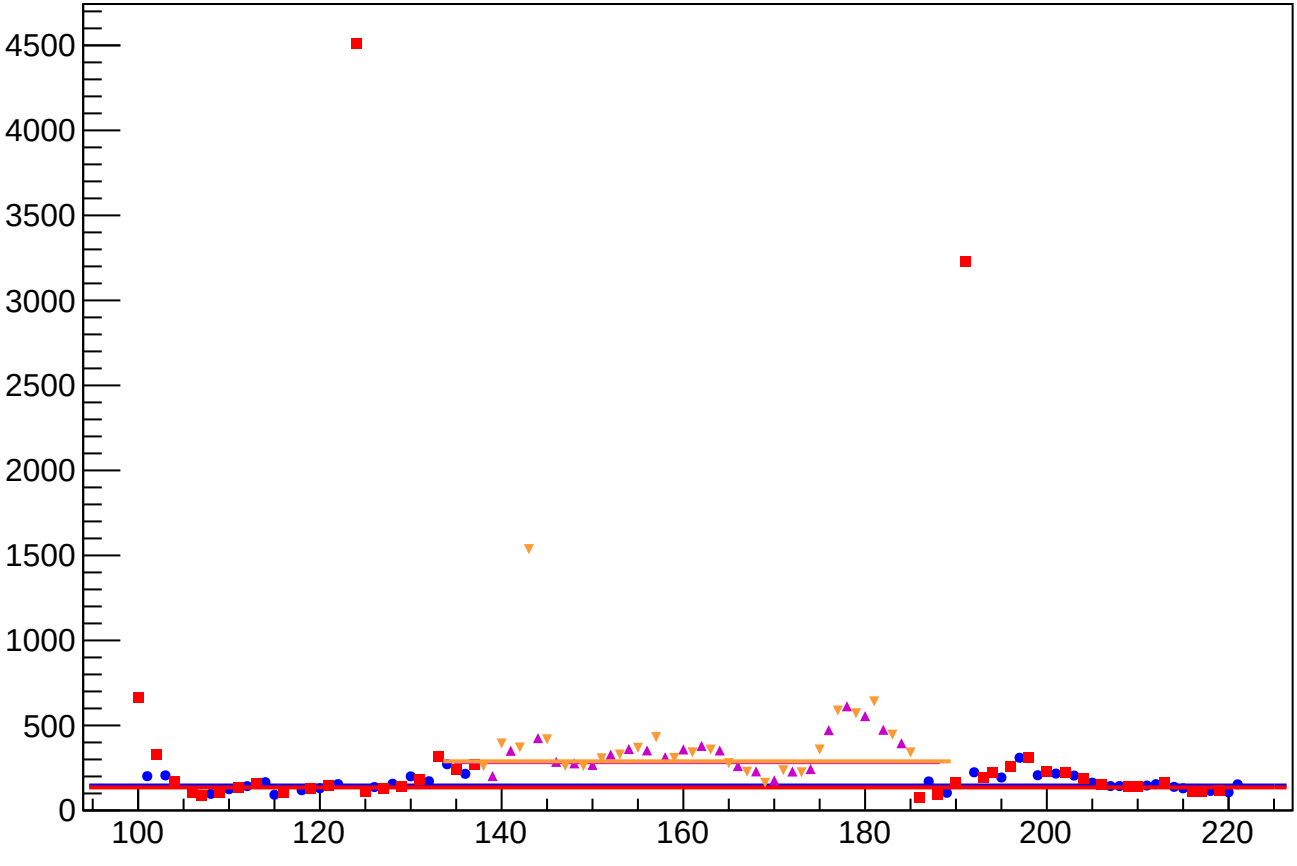
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

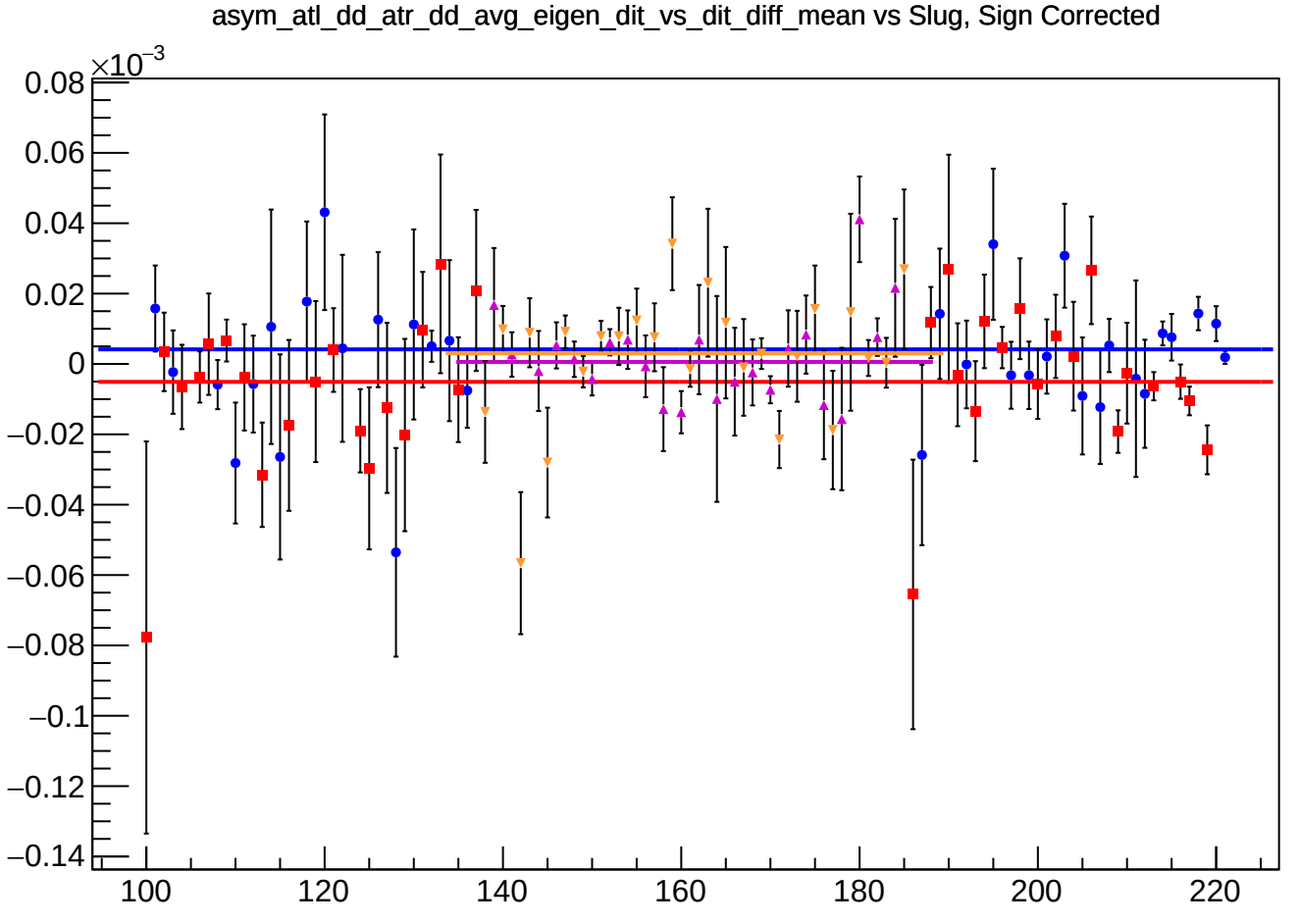
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 140.850+/-0.016 χ^2/NDF: 7841810.6/70

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.386+/-0.015 χ^2/NDF: 29573288.7/11



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: 51.0/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

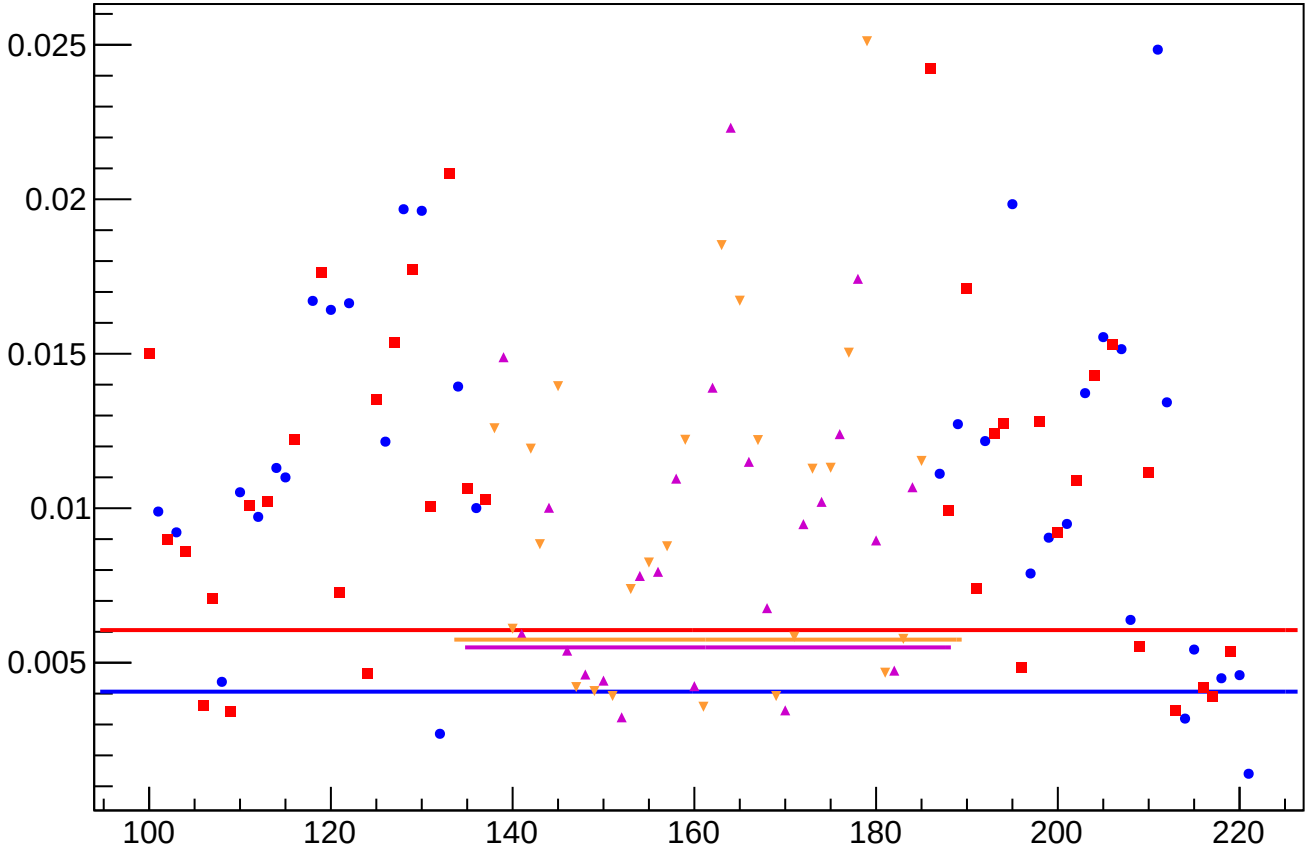
Right: 0.000+/-0.000 χ^2/NDF: 109.9/70

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: -0.000+/-0.000 χ^2/NDF:107.1/61

All: 0.000+/-0.000 χ^2/NDF: 187.3/118

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: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

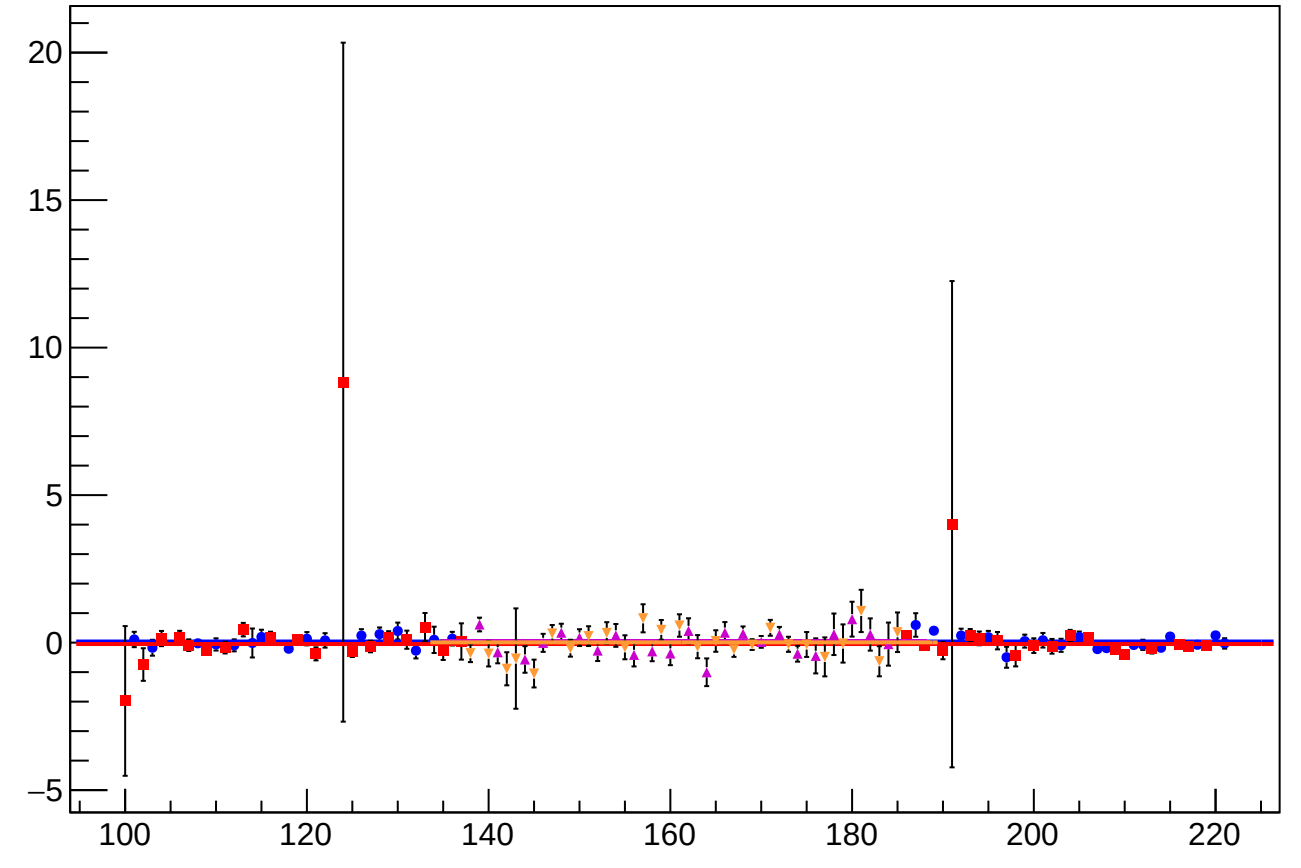
Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

Right: 0.005+/-0.000 χ^2/NDF: 30837200.6/70

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.005+/-0.000 χ^2/NDF: 46554619.6/118



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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

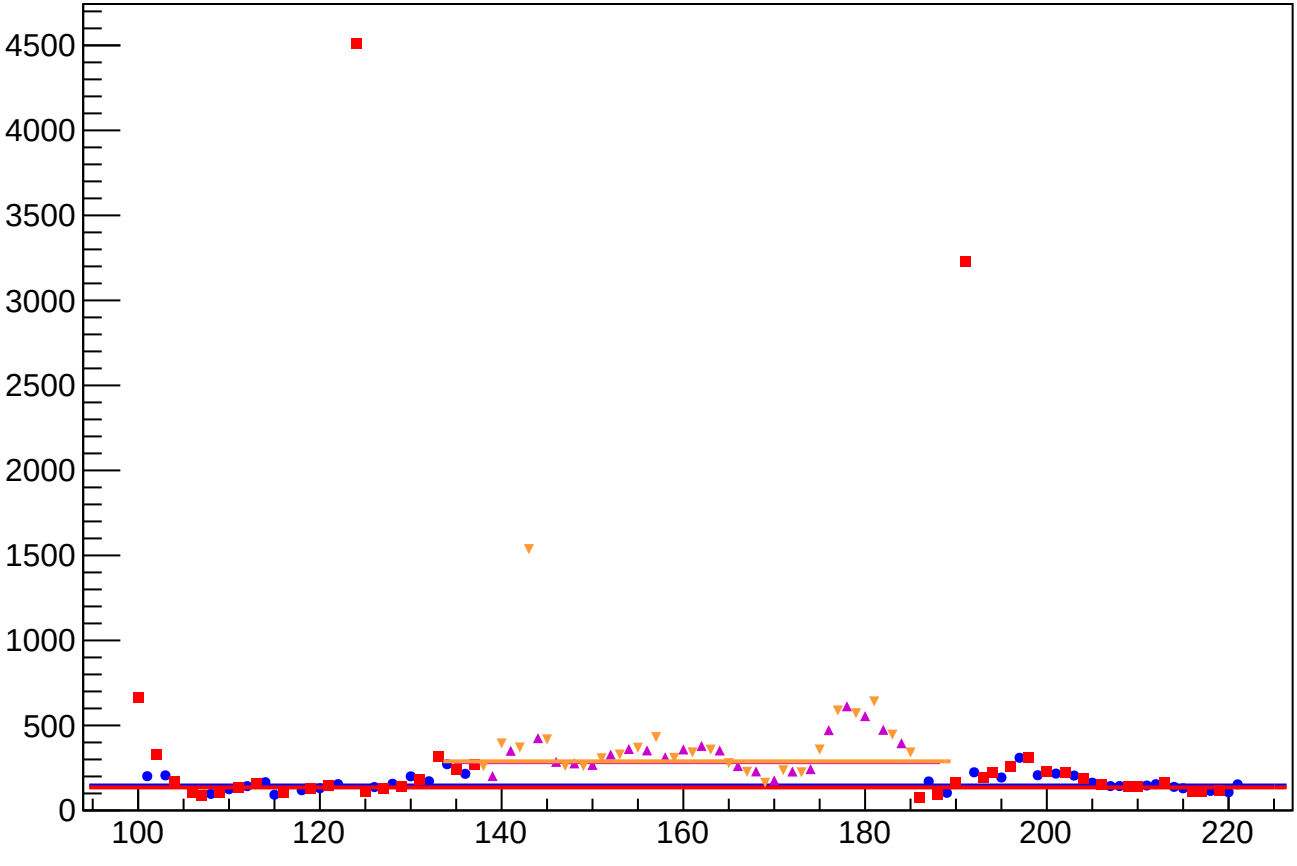
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

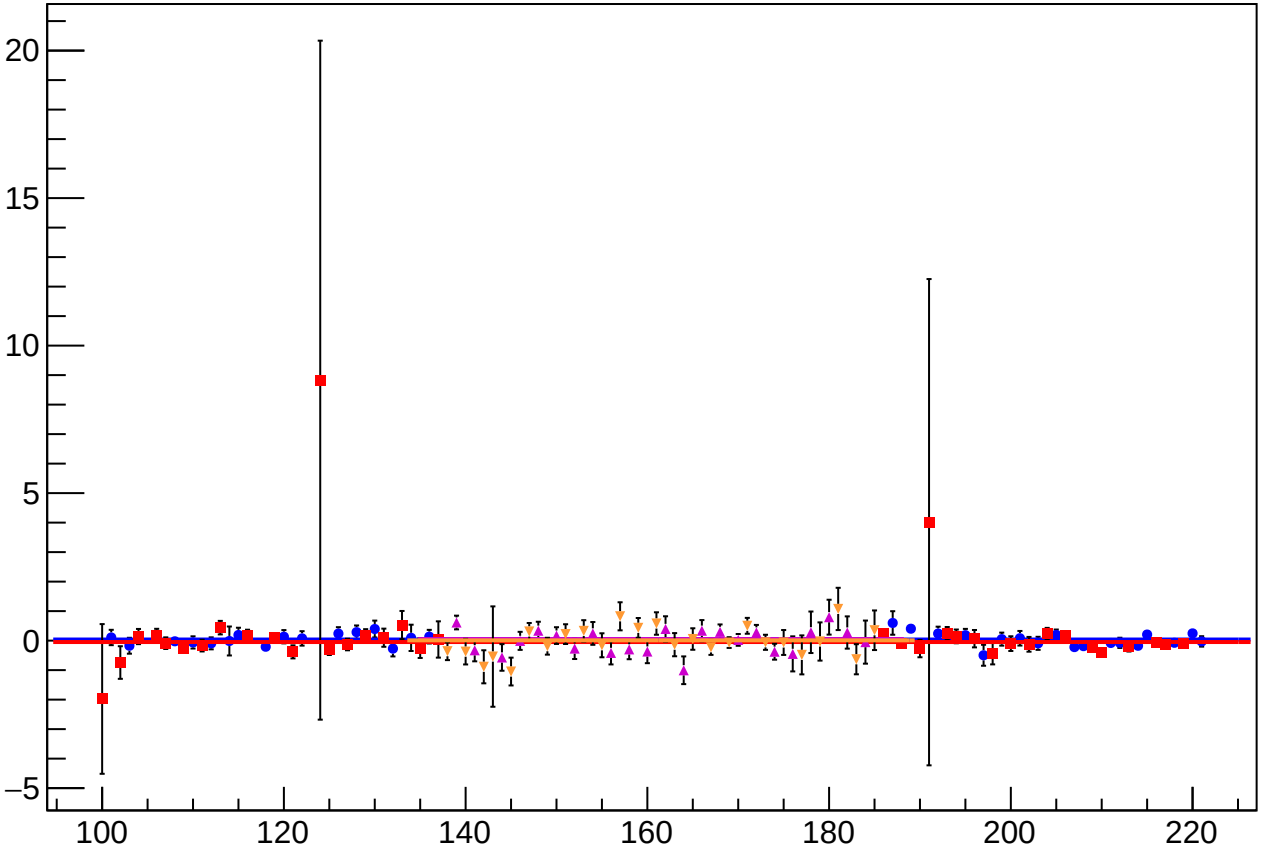
Right: 140.851+/-0.016 χ^2/NDF: 7841610.0/70

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11

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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

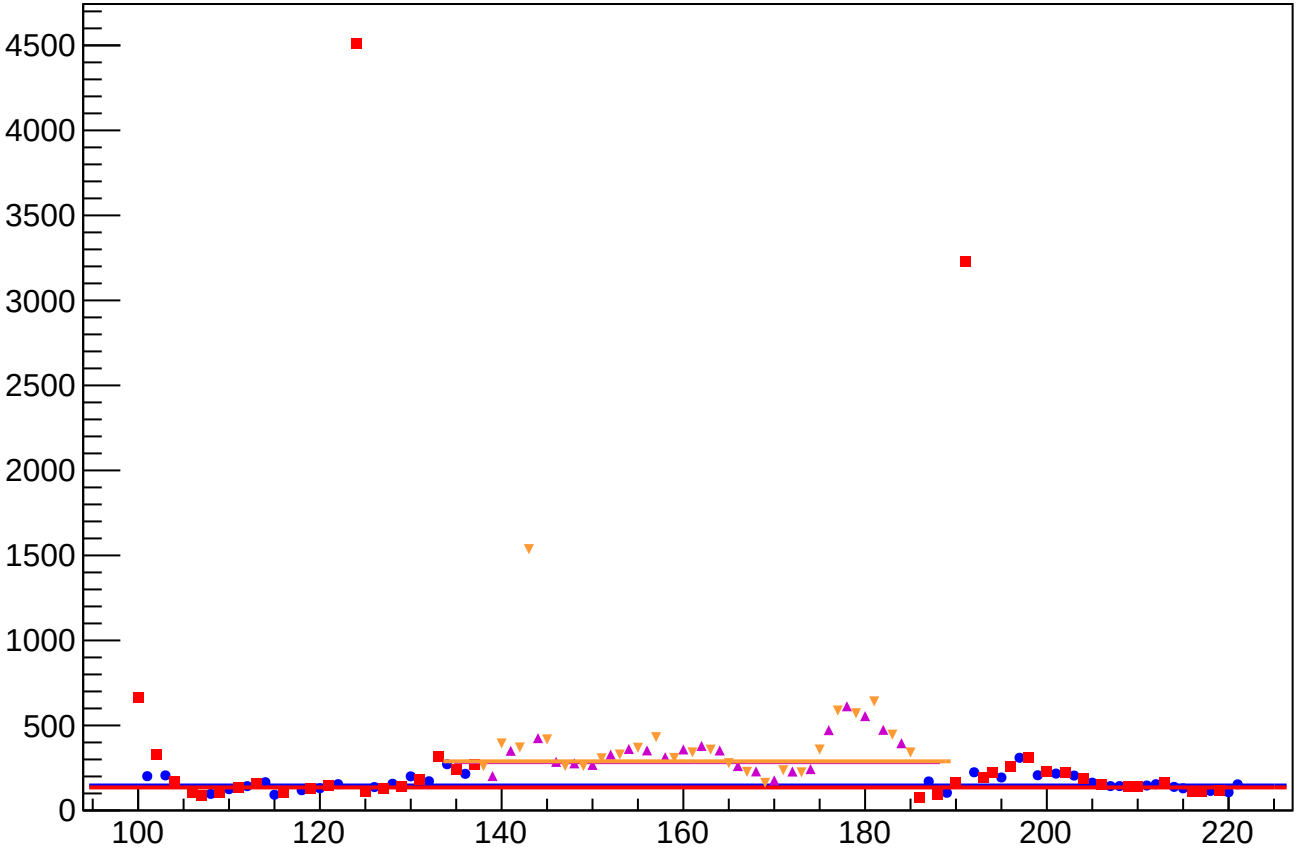
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

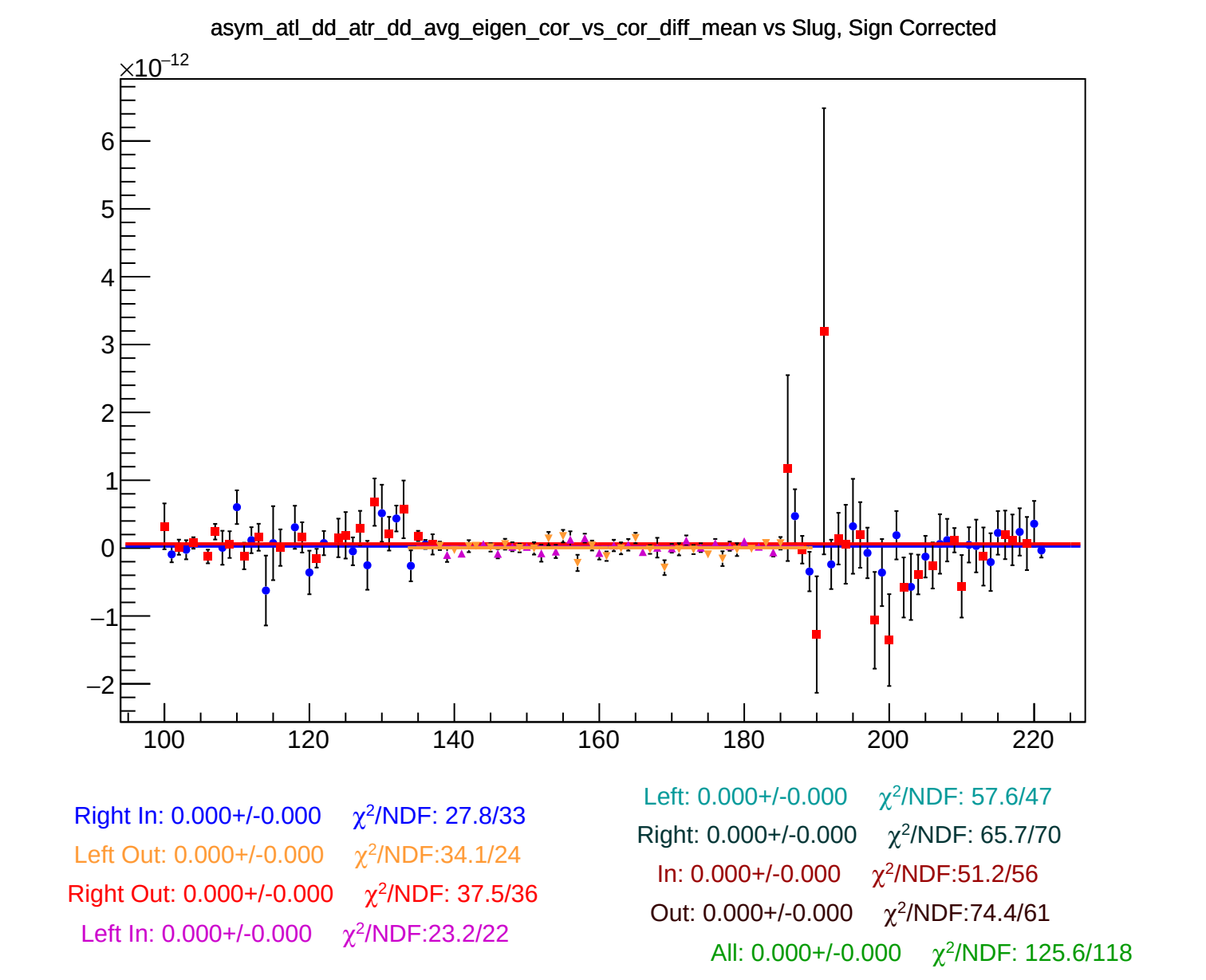
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 140.851+/-0.016 χ^2/NDF: 7841610.0/70

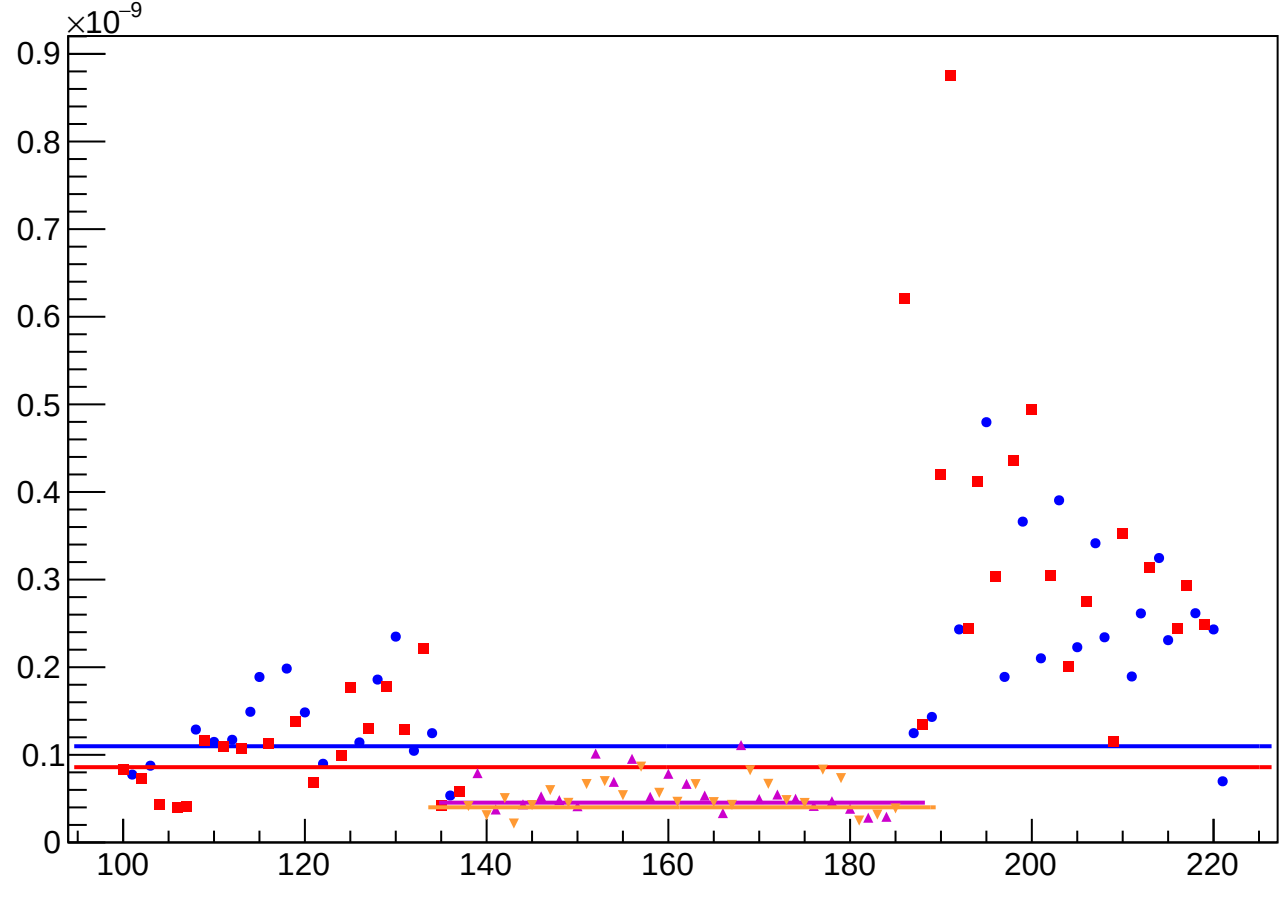
In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11


asym_atl_dd_atr_dd_avg_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: 37.5/36
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: 65.7/70
In: 0.000+/-0.000 χ²/NDF:51.2/56
Out: 0.000+/-0.000 χ²/NDF:74.4/61
All: 0.000+/-0.000 χ²/NDF: 125.6/118

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: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

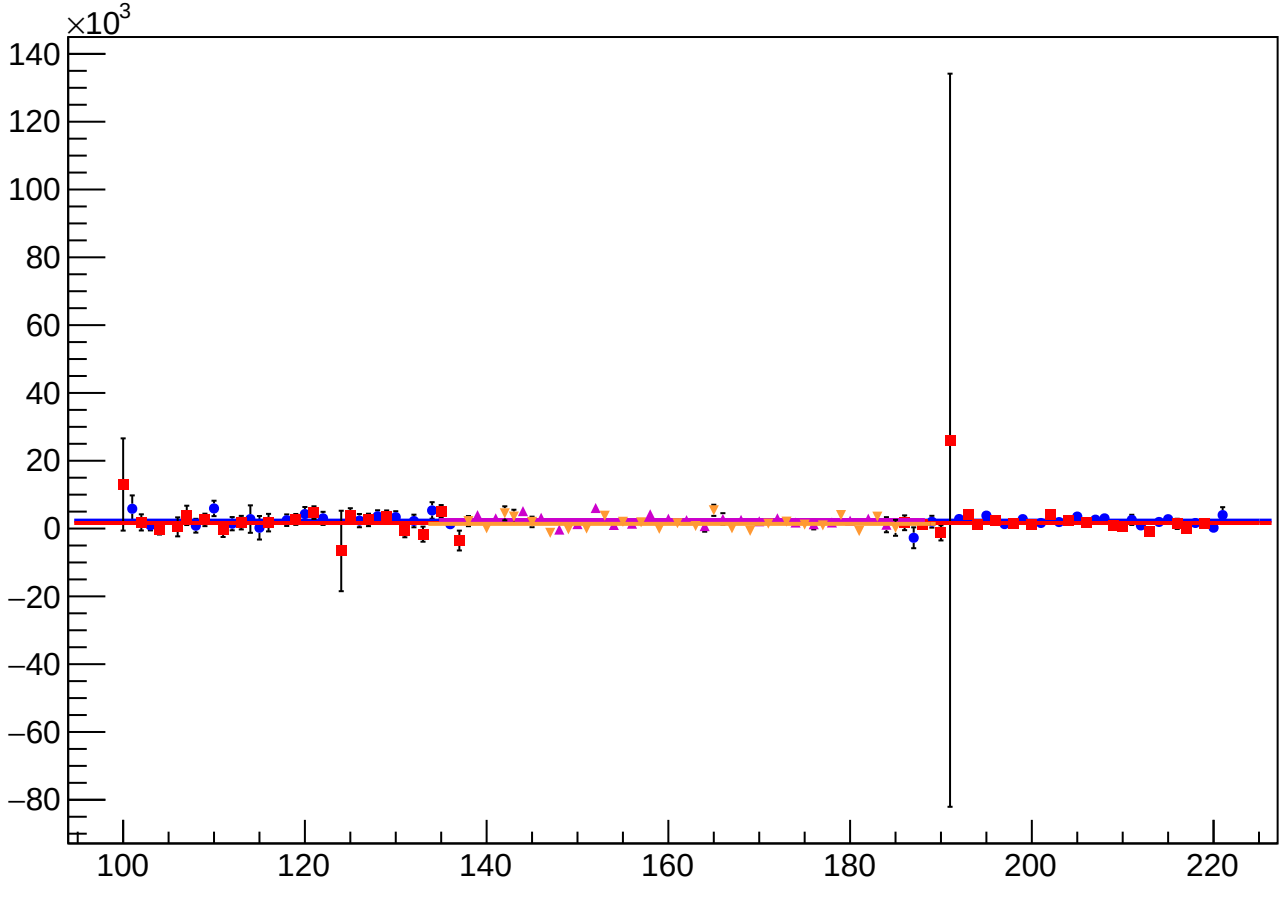
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18749242.2/70

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 34202884.1/118



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: 1641.030+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

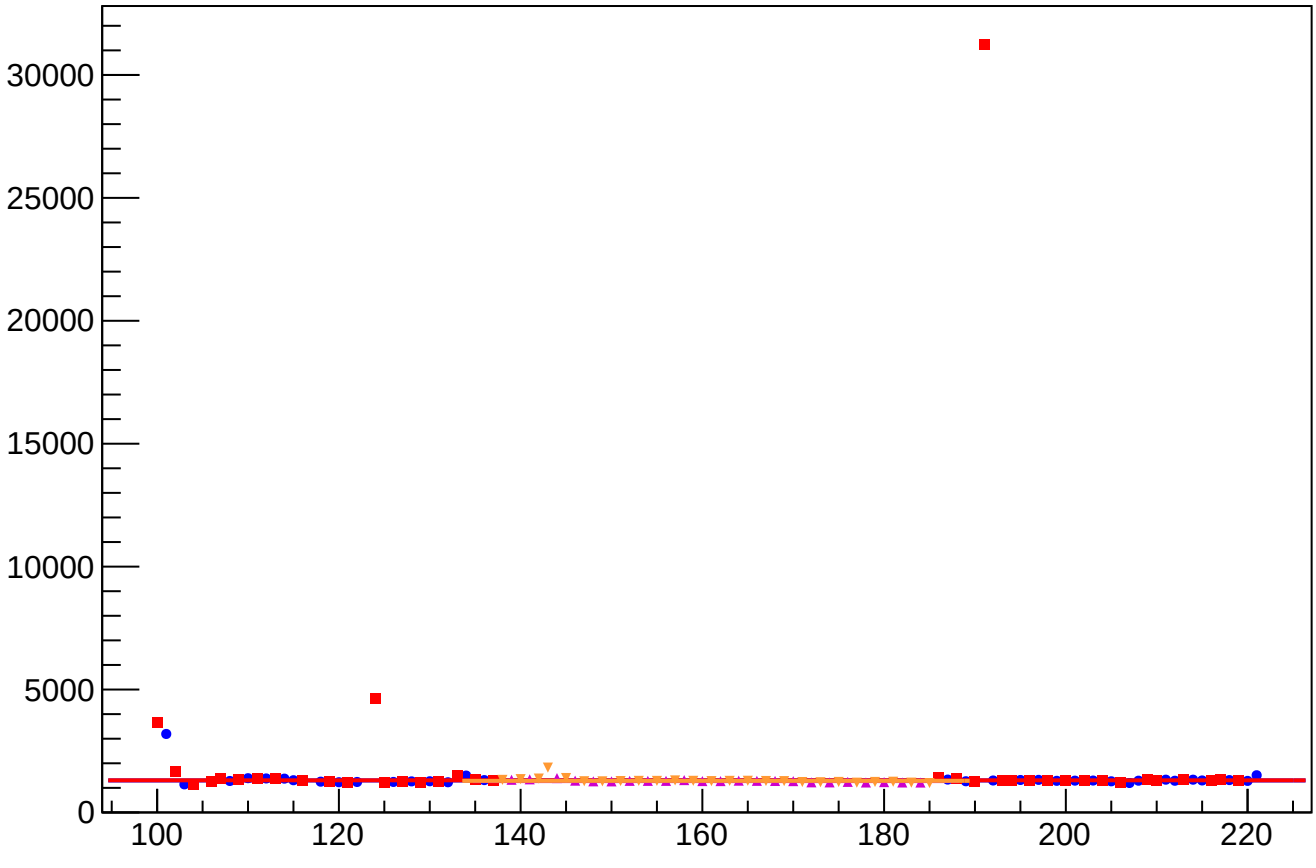
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 1994.085+/-201.154 χ^2/NDF: 56.9/70

In: 2424.011+/-205.119 χ^2/NDF:42.1/56

Out: 1515.022+/-204.697 χ^2/NDF:67.7/61

All: 1968.582+/-144.892 χ^2/NDF: 119.7/118



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: 1307.738+/-0.202 χ^2/NDF: 507123.4/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

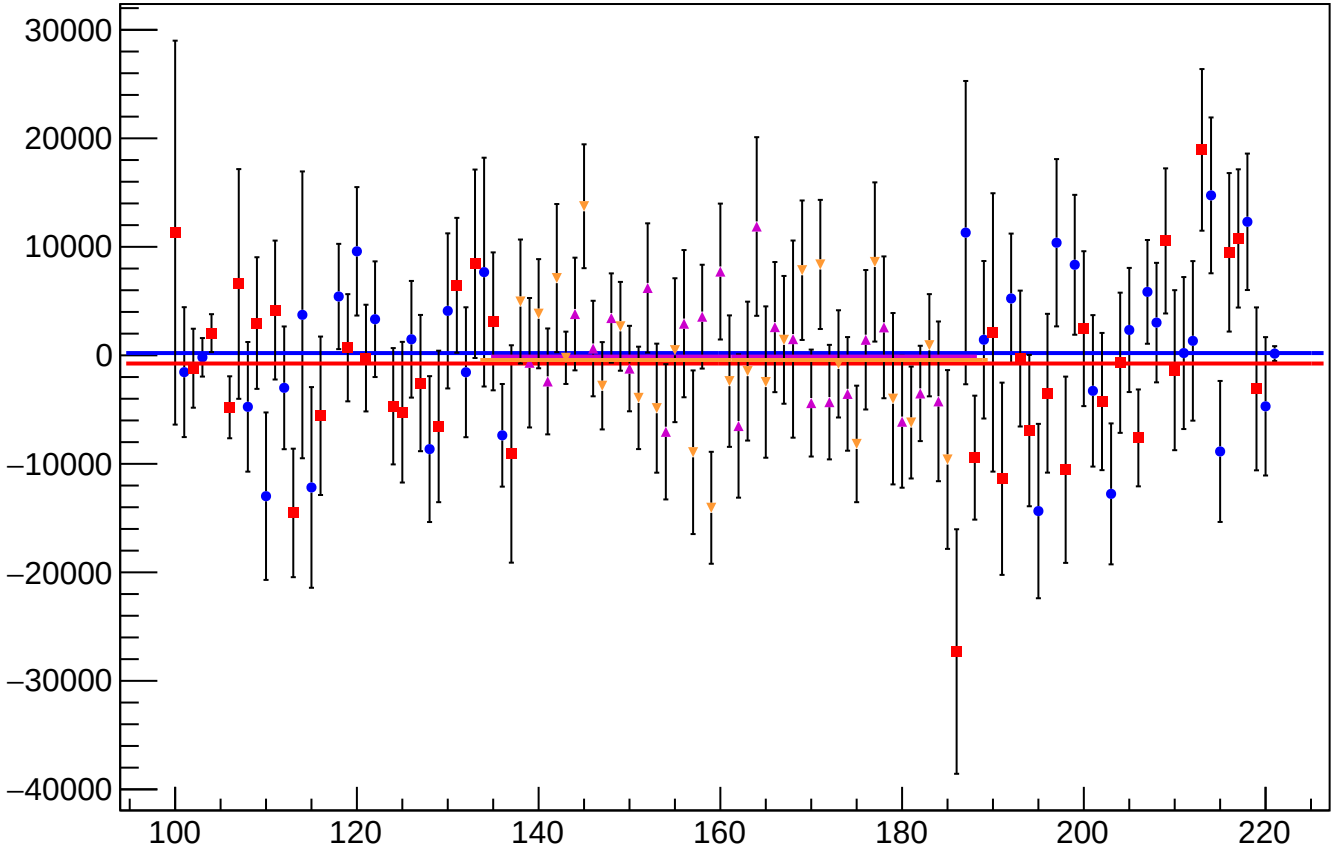
Right: 1304.516+/-0.142 χ^2/NDF: 1059935.4/70

In: 1289.329+/-0.145 χ^2/NDF:601372.2/56

Out: 1296.951+/-0.145 χ^2/NDF:703975.4/61

All: 1293.150+/-0.102 χ^2/NDF: 1306731.6/11

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: -753.935+/-886.655 χ^2/NDF: 47.4/36

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

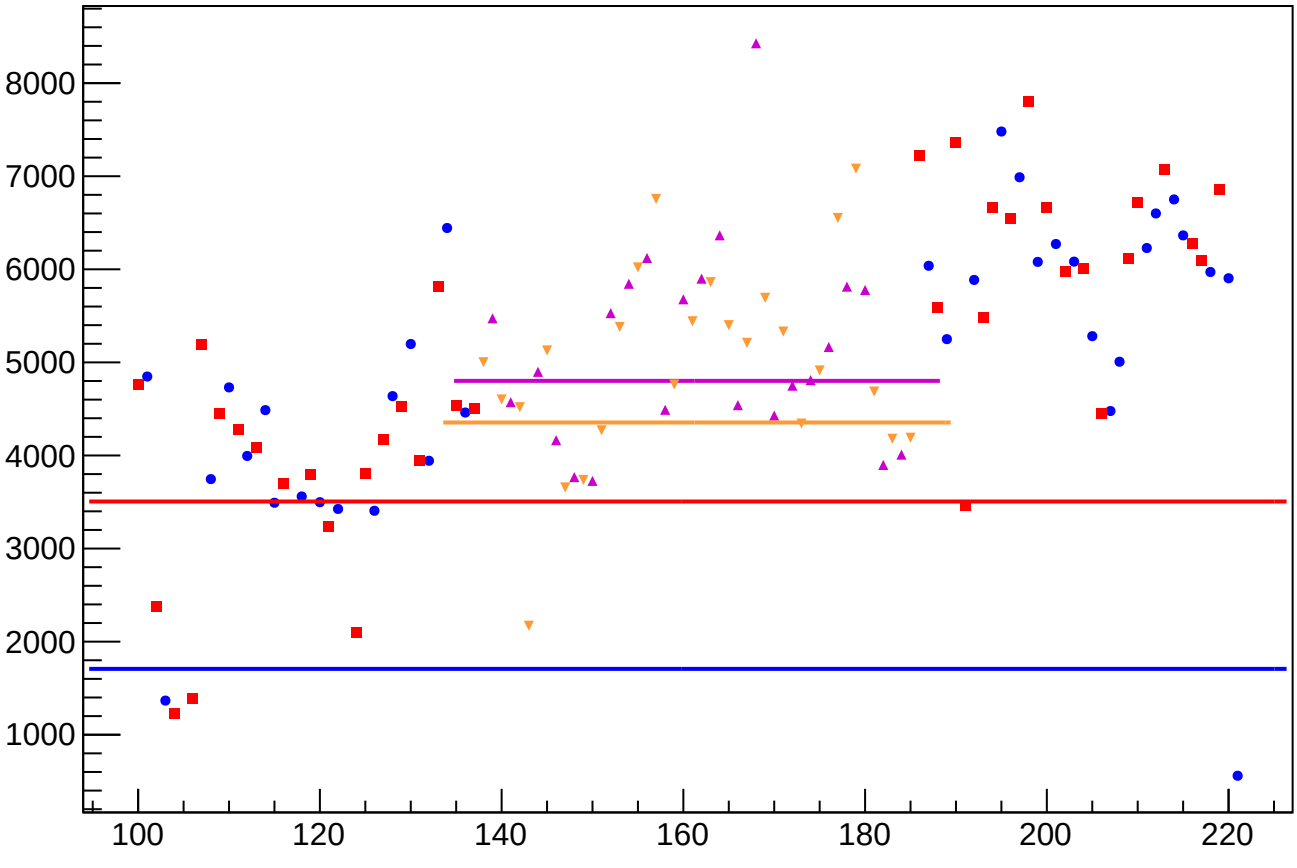
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

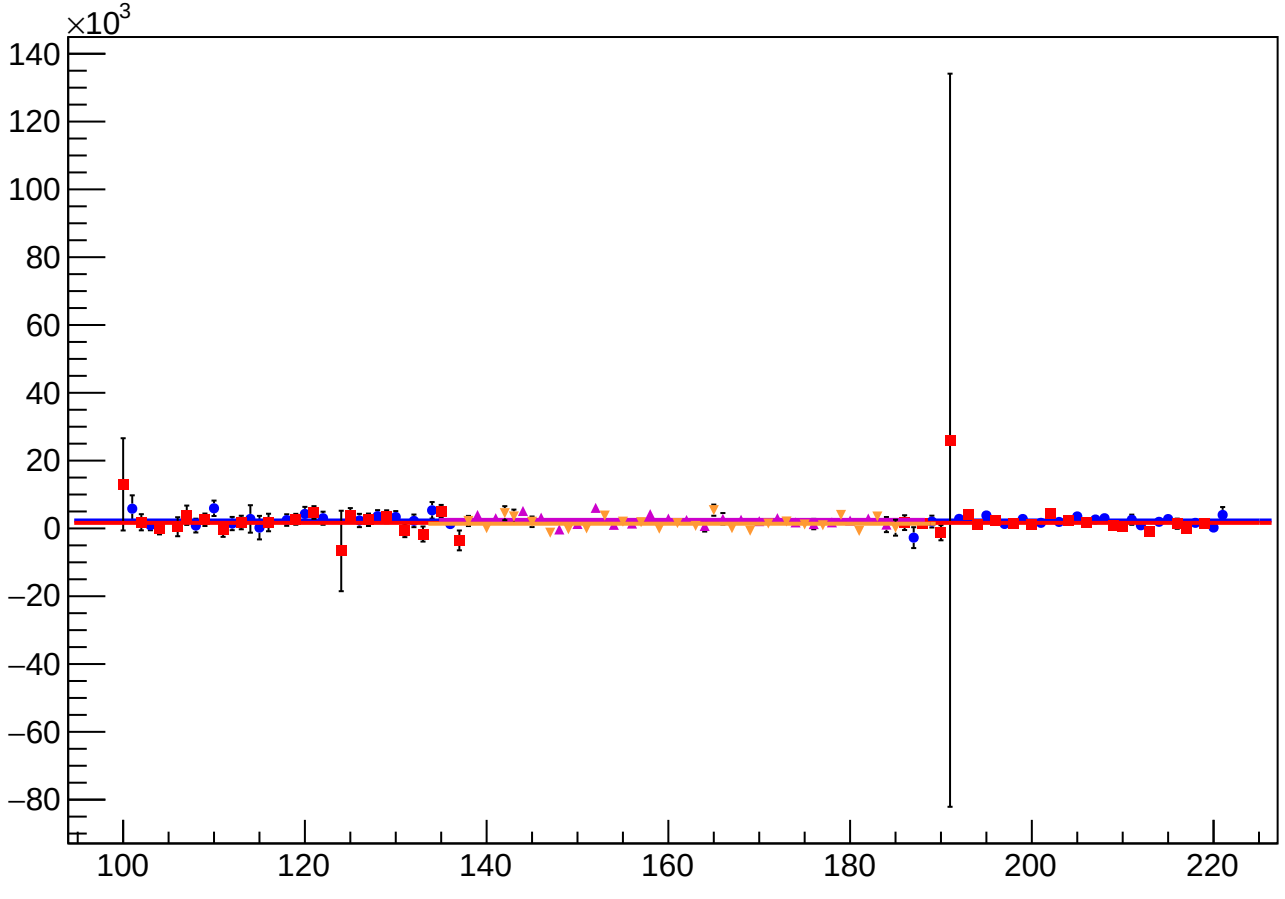
Right: -63.620+/-472.115 χ^2/NDF: 87.8/70

In: 146.447+/-501.405 χ^2/NDF:53.2/56

Out: -616.669+/-674.190 χ^2/NDF:77.3/61

All: -125.322+/-402.334 χ^2/NDF: 131.3/118


asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1707.546+/-0.394 χ²/NDF: 24329797.7/33
Left Out: 4354.526+/-0.734 χ²/NDF:3071436.3/24
Right Out: 3505.594+/-0.627 χ²/NDF: 10670159.0/36
Left In: 4801.573+/-0.809 χ²/NDF:1231883.2/22
Left: 4556.257+/-0.544 χ²/NDF: 4470709.2/47
Right: 2217.333+/-0.334 χ²/NDF: 40892821.5/70
In: 2301.184+/-0.355 χ²/NDF:37369831.1/56
Out: 3863.699+/-0.477 χ²/NDF:14514996.9/61
All: 2857.644+/-0.284 χ²/NDF: 58801734.4/



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: 1640.971+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

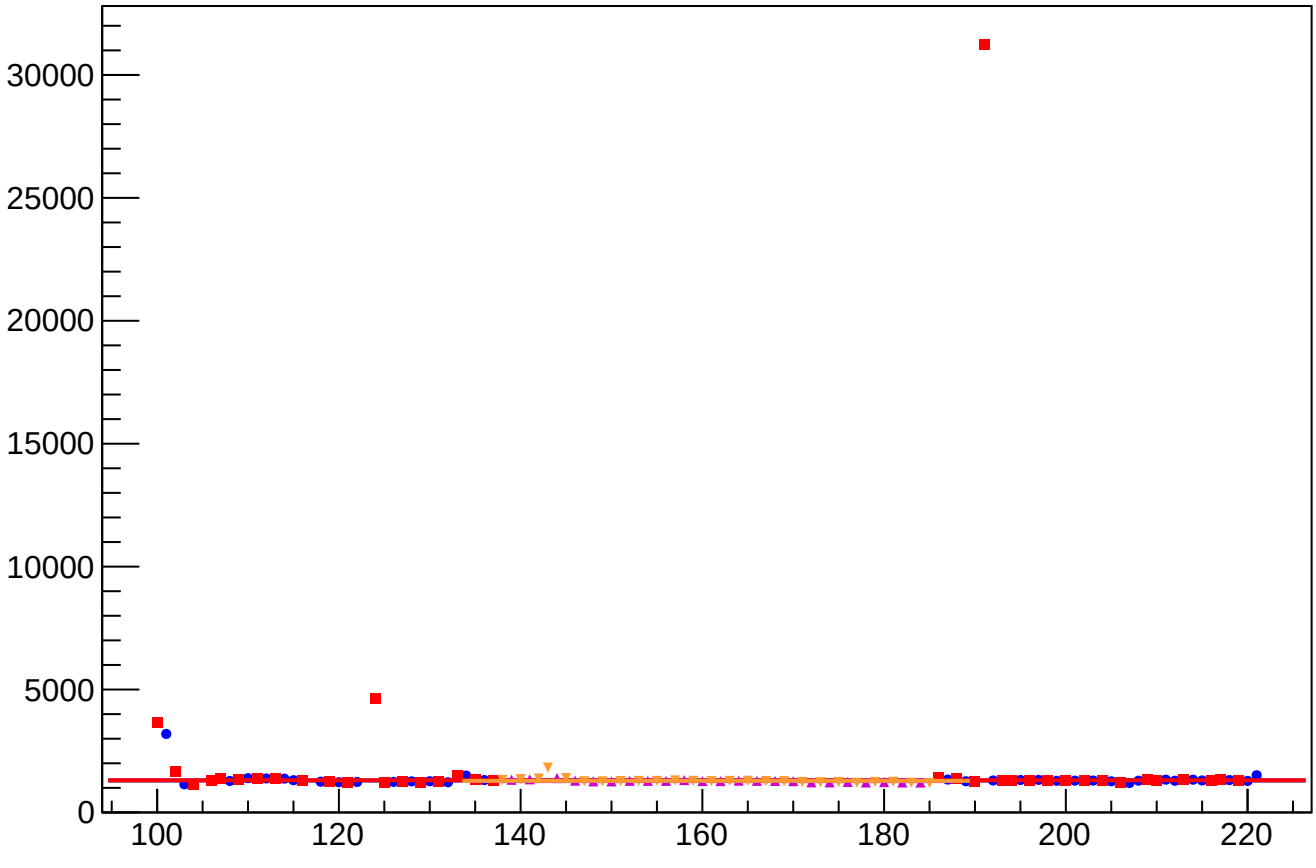
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 1993.998+/-201.154 χ^2/NDF: 56.9/70

In: 2423.952+/-205.119 χ^2/NDF:42.1/56

Out: 1514.960+/-204.697 χ^2/NDF:67.8/61

All: 1968.521+/-144.892 χ^2/NDF: 119.7/118



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: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

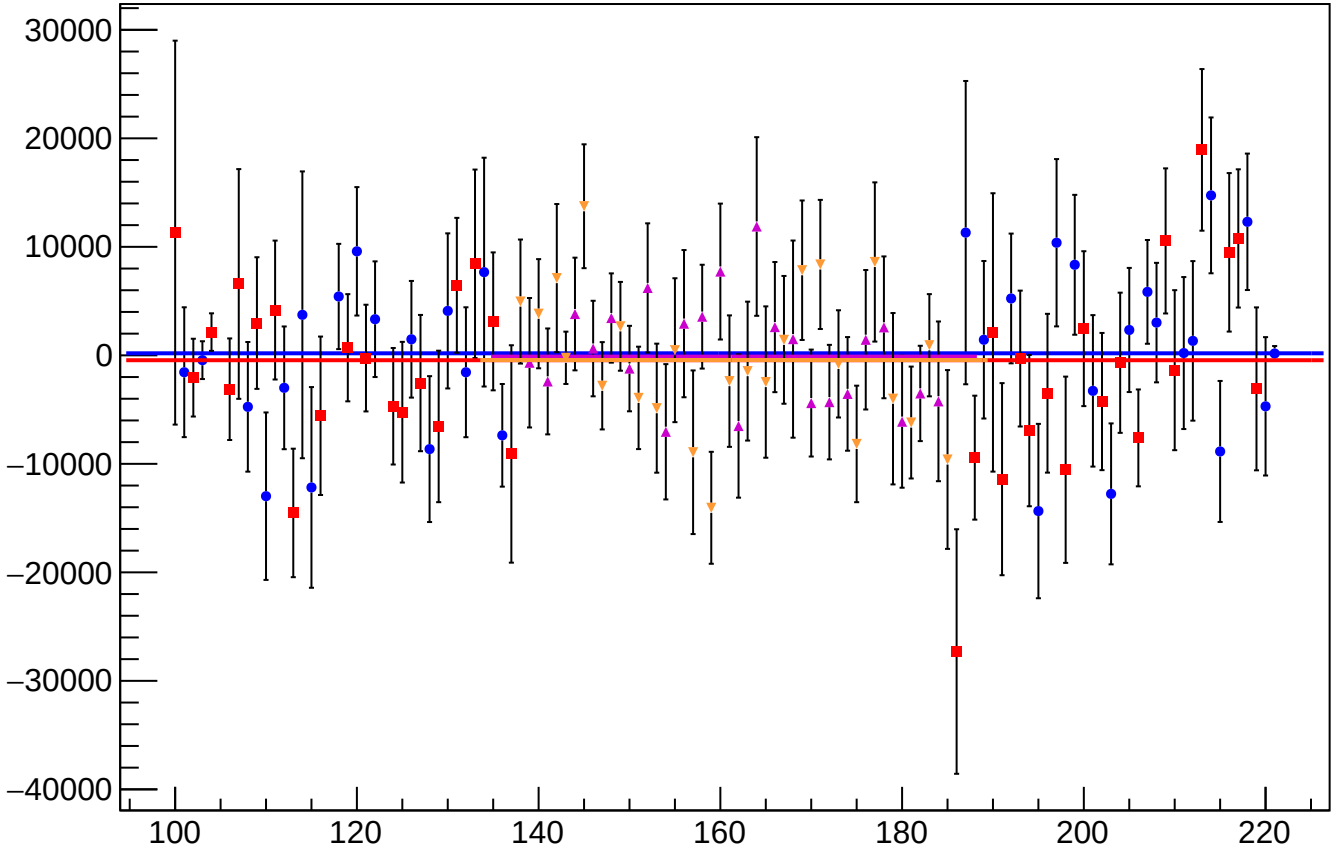
Right: 1304.700+/-0.142 χ^2/NDF: 1059663.4/70

In: 1289.329+/-0.145 χ^2/NDF:601373.7/56

Out: 1297.139+/-0.145 χ^2/NDF:703839.1/61

All: 1293.244+/-0.102 χ^2/NDF: 1306665.9/11

asym_atl_avg_atr_avg_avg_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: -449.292+/-911.556 χ^2/NDF: 45.9/36

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

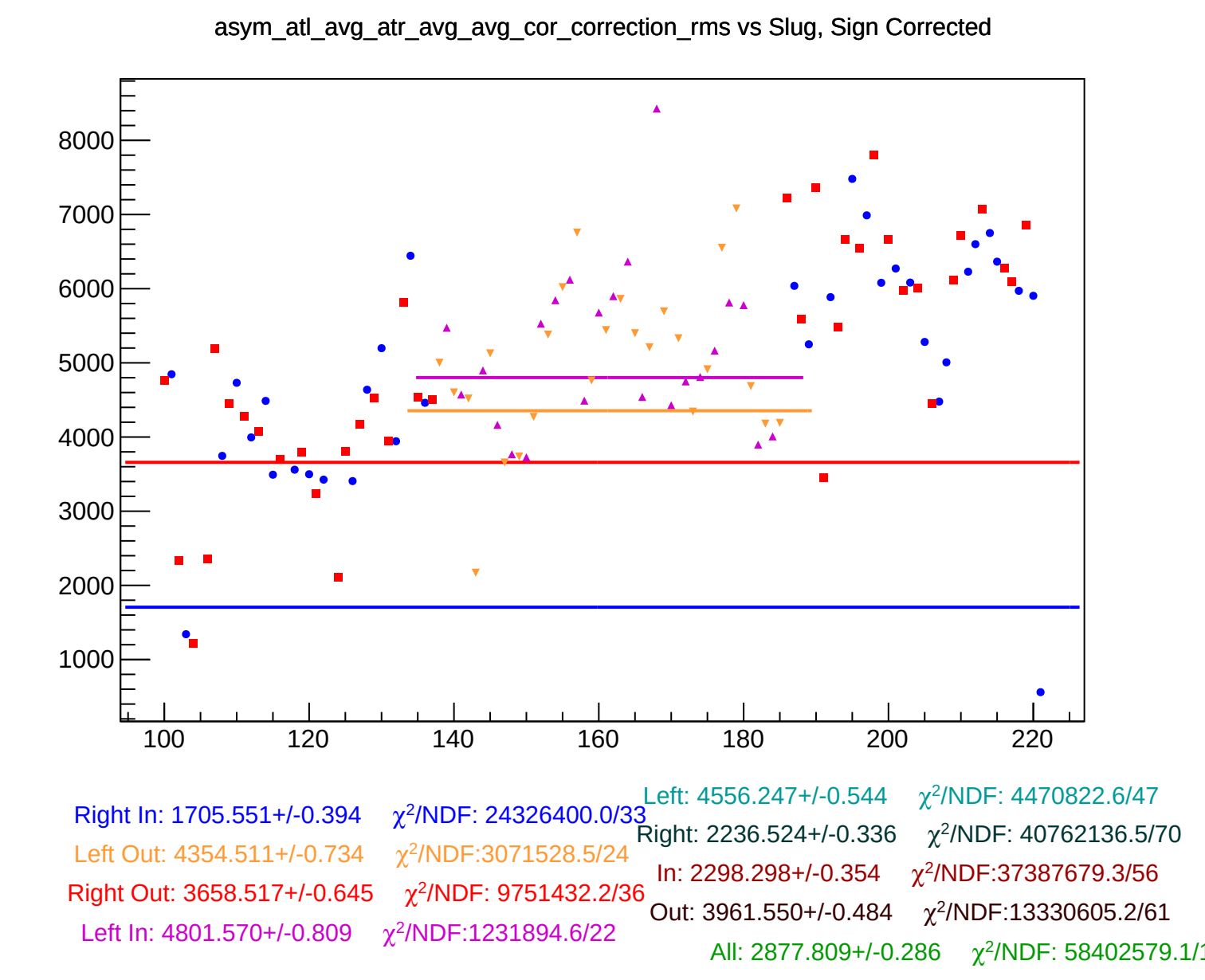
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

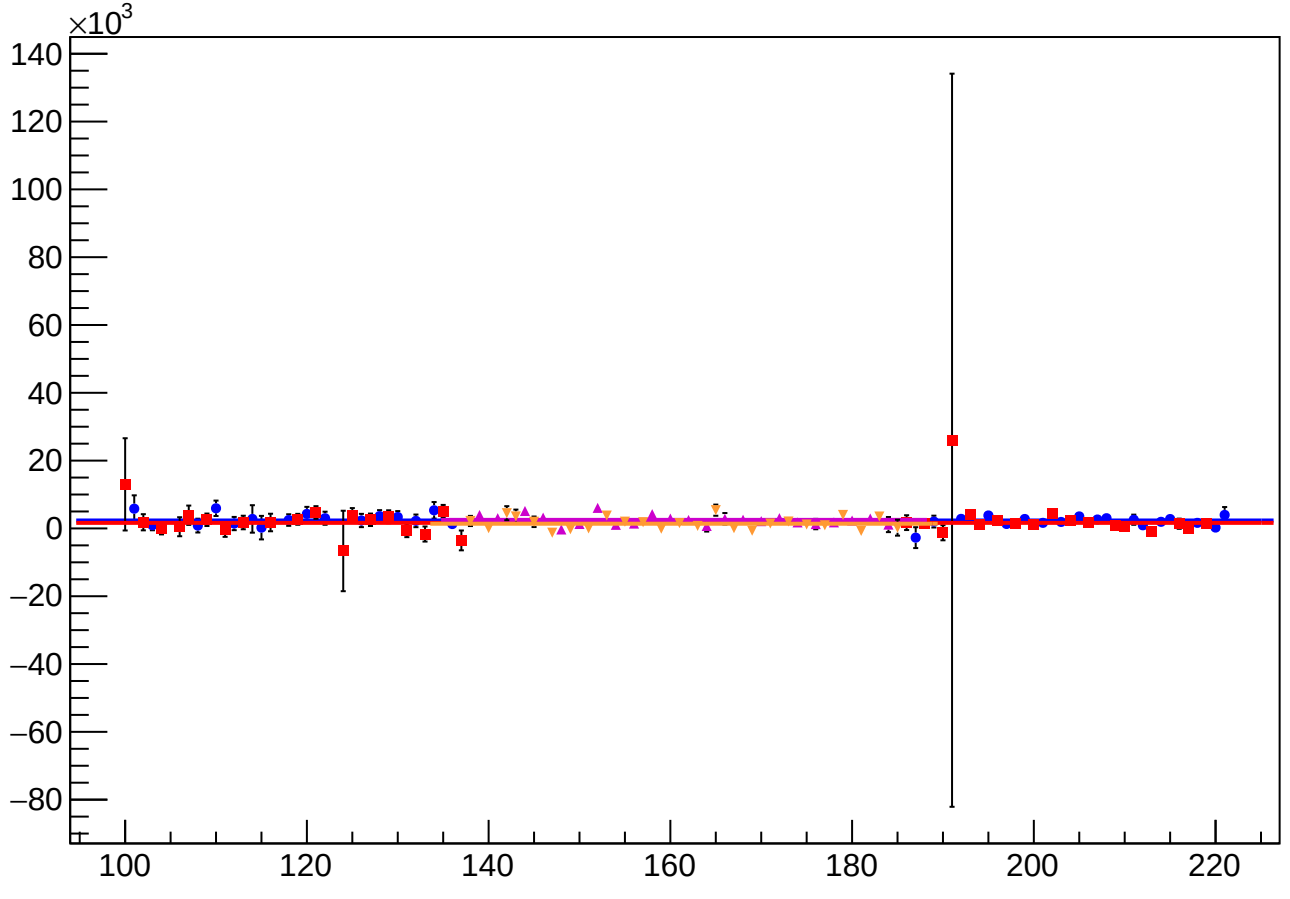
Right: 14.786+/-475.305 χ^2/NDF: 85.9/70

In: 129.224+/-500.867 χ^2/NDF:53.3/56

Out: -440.250+/-684.944 χ^2/NDF:75.7/61

All: -69.193+/-404.303 χ^2/NDF: 129.5/118


asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1705.551+/-0.394 χ²/NDF: 24326400.0/33
Left Out: 4354.511+/-0.734 χ²/NDF:3071528.5/24
Right Out: 3658.517+/-0.645 χ²/NDF: 9751432.2/36
Left In: 4801.570+/-0.809 χ²/NDF:1231894.6/22
Left: 4556.247+/-0.544 χ²/NDF: 4470822.6/47
Right: 2236.524+/-0.336 χ²/NDF: 40762136.5/70
In: 2298.298+/-0.354 χ²/NDF:37387679.3/56
Out: 3961.550+/-0.484 χ²/NDF:13330605.2/61
All: 2877.809+/-0.286 χ²/NDF: 58402579.1/



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: 1640.971+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

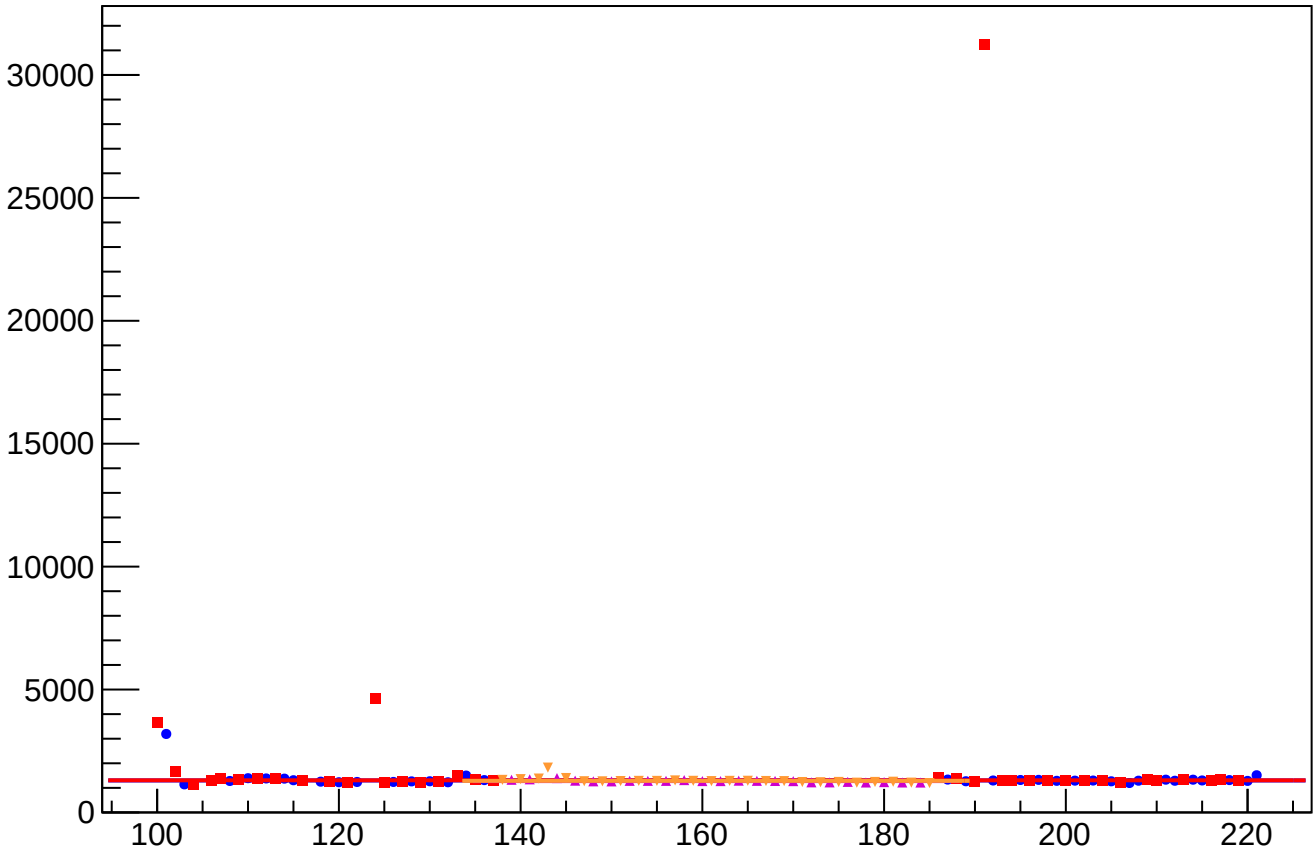
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 1993.998+/-201.154 χ^2/NDF: 56.9/70

In: 2423.952+/-205.119 χ^2/NDF:42.1/56

Out: 1514.960+/-204.697 χ^2/NDF:67.8/61

All: 1968.521+/-144.892 χ^2/NDF: 119.7/118



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: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

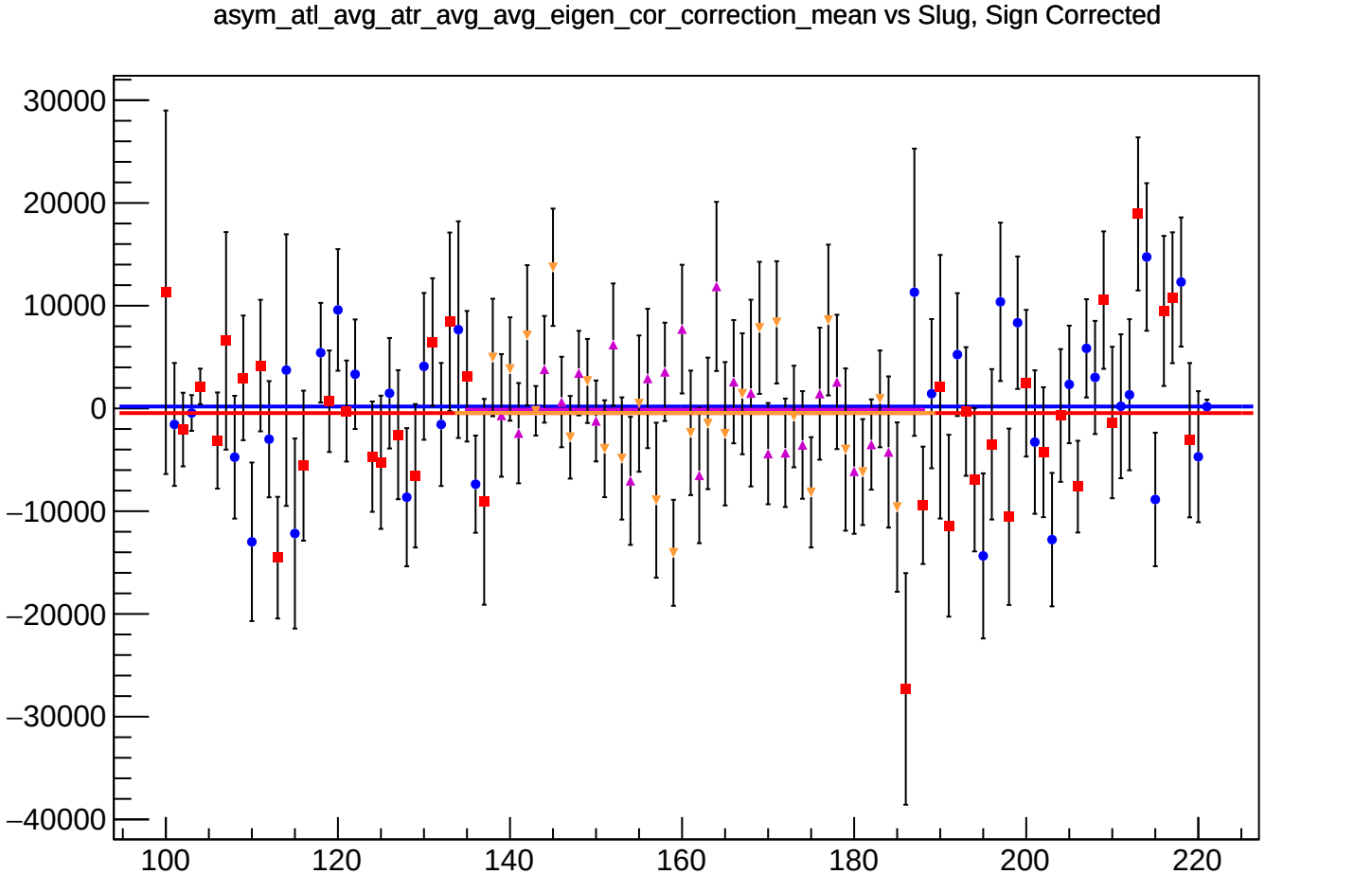
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1304.700+/-0.142 χ^2/NDF: 1059663.4/70

In: 1289.329+/-0.145 χ^2/NDF:601373.7/56

Out: 1297.139+/-0.145 χ^2/NDF:703839.1/61

All: 1293.244+/-0.102 χ^2/NDF: 1306665.9/11



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: -449.292+/-911.556 χ^2/NDF: 45.9/36

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

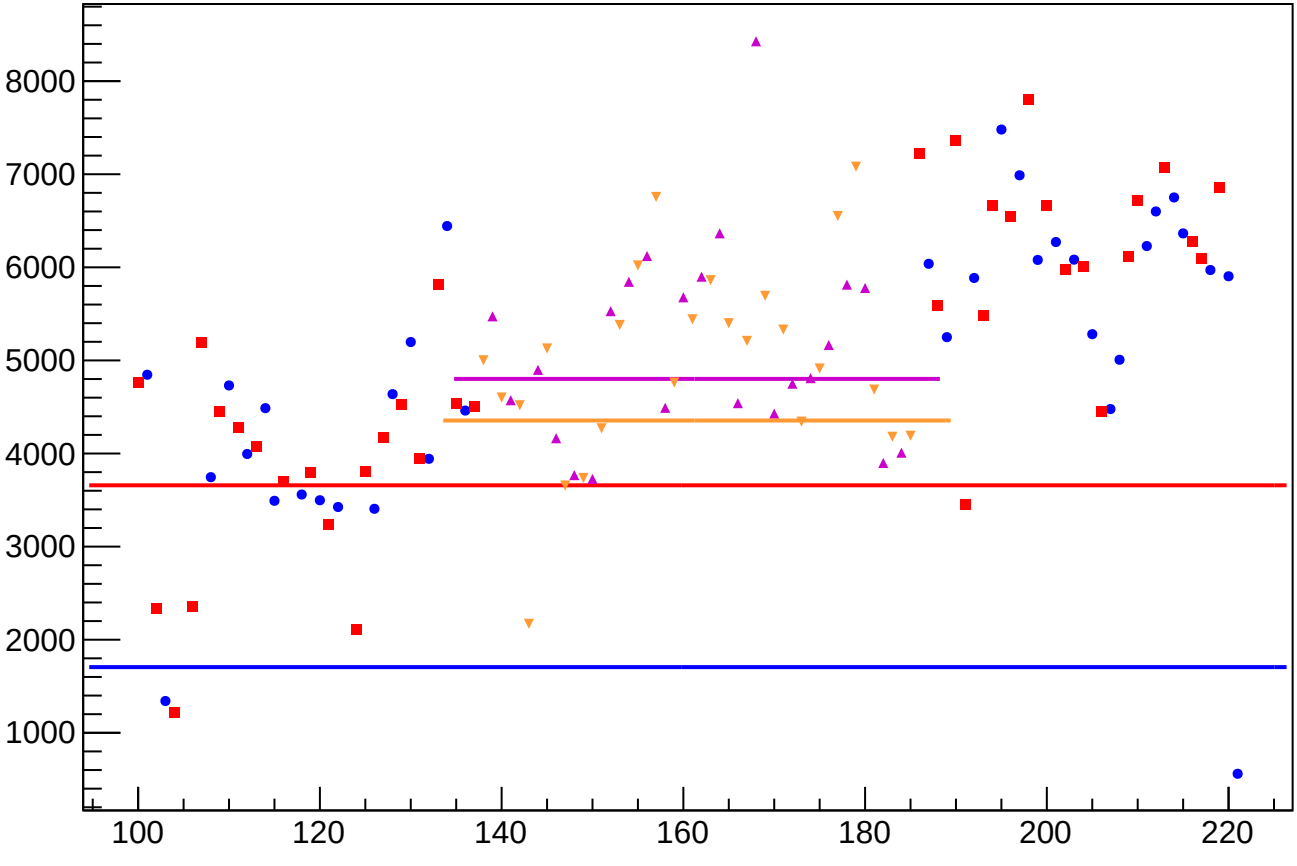
Right: 14.786+/-475.305 χ^2/NDF: 85.9/70

In: 129.224+/-500.867 χ^2/NDF:53.3/56

Out: -440.250+/-684.944 χ^2/NDF:75.7/61

All: -69.193+/-404.303 χ^2/NDF: 129.5/118

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: 3658.517+/-0.645 χ^2/NDF: 9751432.2/36

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

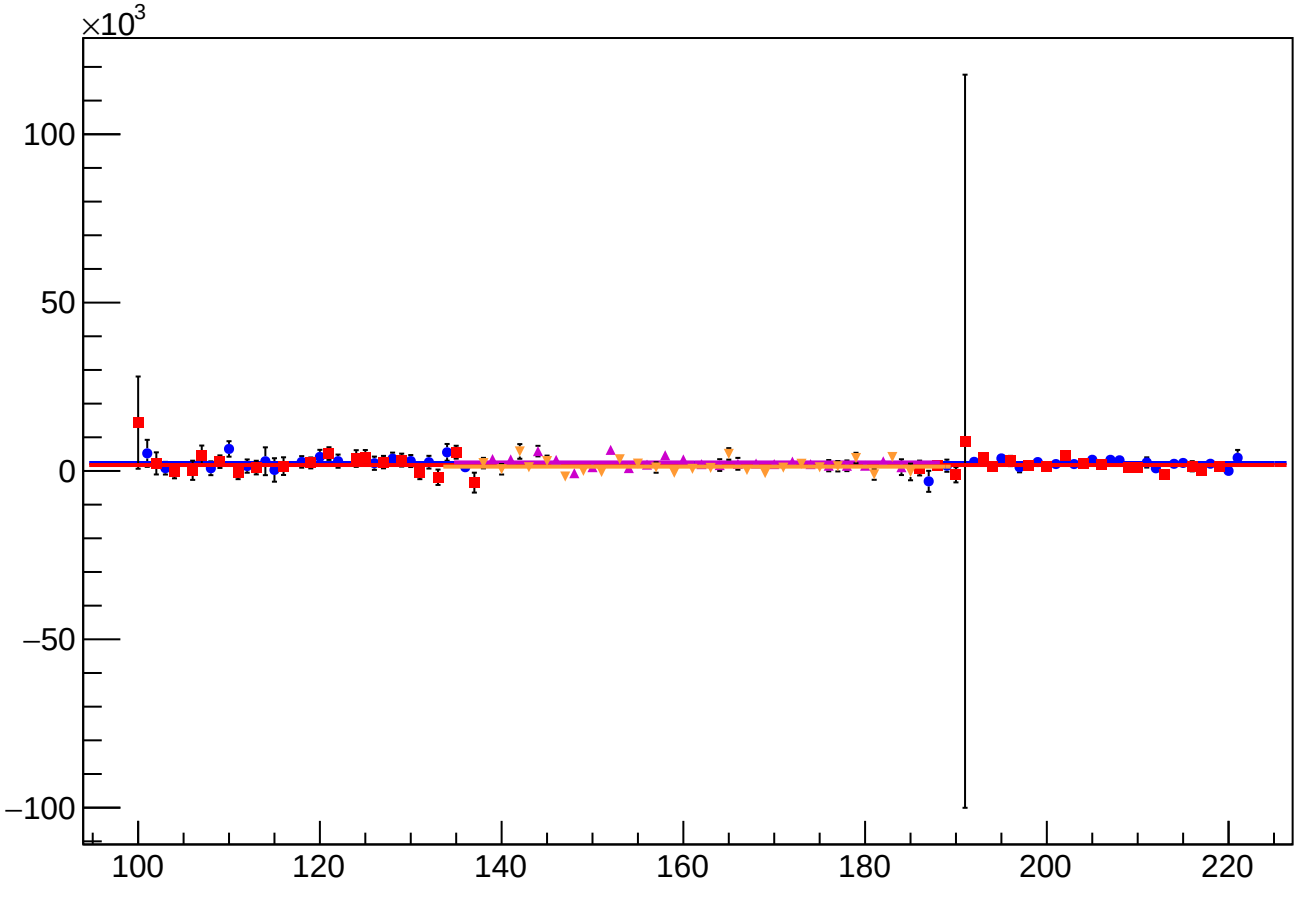
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2236.524+/-0.336 χ^2/NDF: 40762136.5/70

In: 2298.298+/-0.354 χ^2/NDF:37387679.3/56

Out: 3961.550+/-0.484 χ^2/NDF:13330605.2/61

All: 2877.809+/-0.286 χ^2/NDF: 58402579.1/1



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: 1763.057+/-291.827 χ^2/NDF: 36.1/36

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

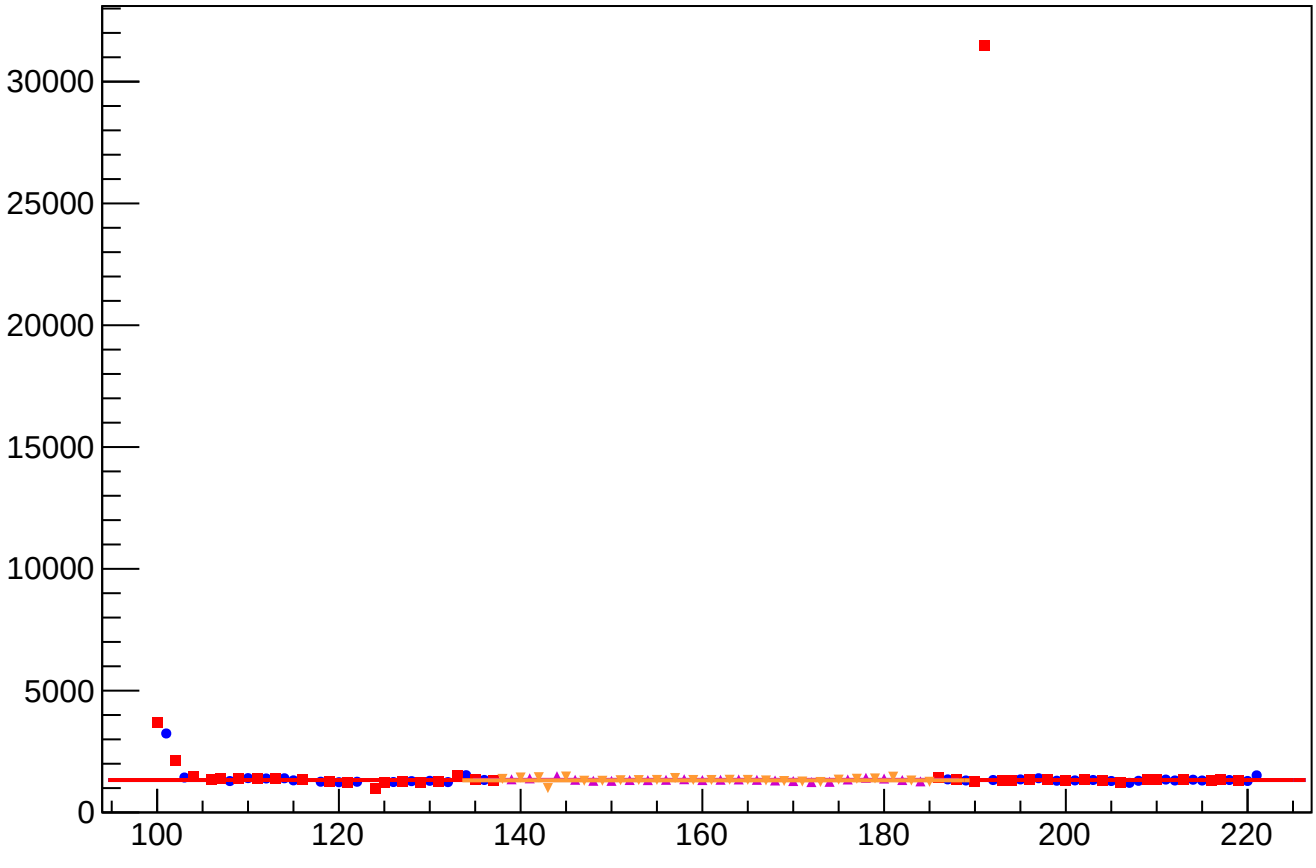
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2066.691+/-205.383 χ^2/NDF: 58.6/70

In: 2441.647+/-212.338 χ^2/NDF:45.6/56

Out: 1530.770+/-209.362 χ^2/NDF:70.8/61

All: 1979.780+/-149.082 χ^2/NDF: 125.6/118



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: 1331.739+/-0.206 χ^2/NDF: 450004.0/36

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

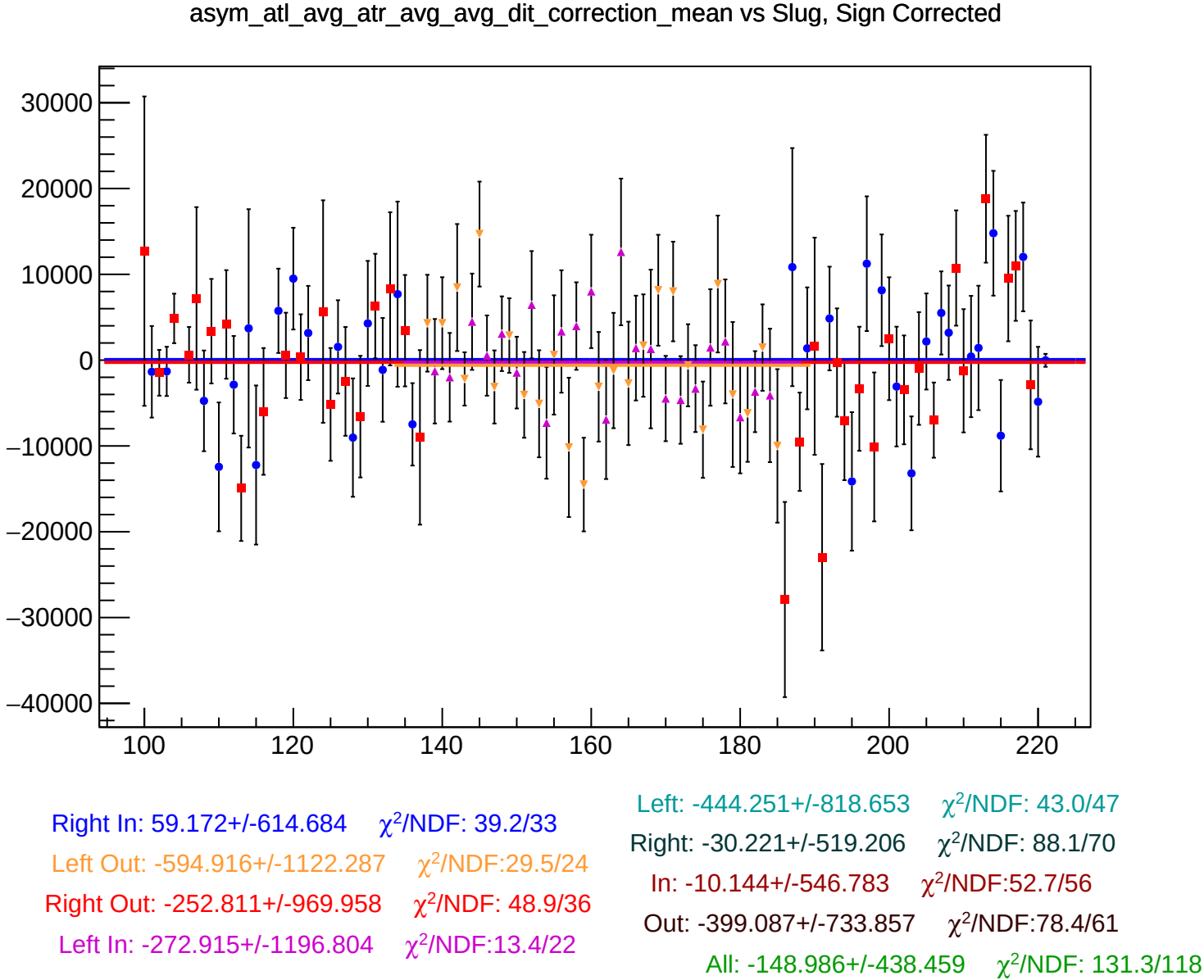
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1331.284+/-0.145 χ^2/NDF: 988386.4/70

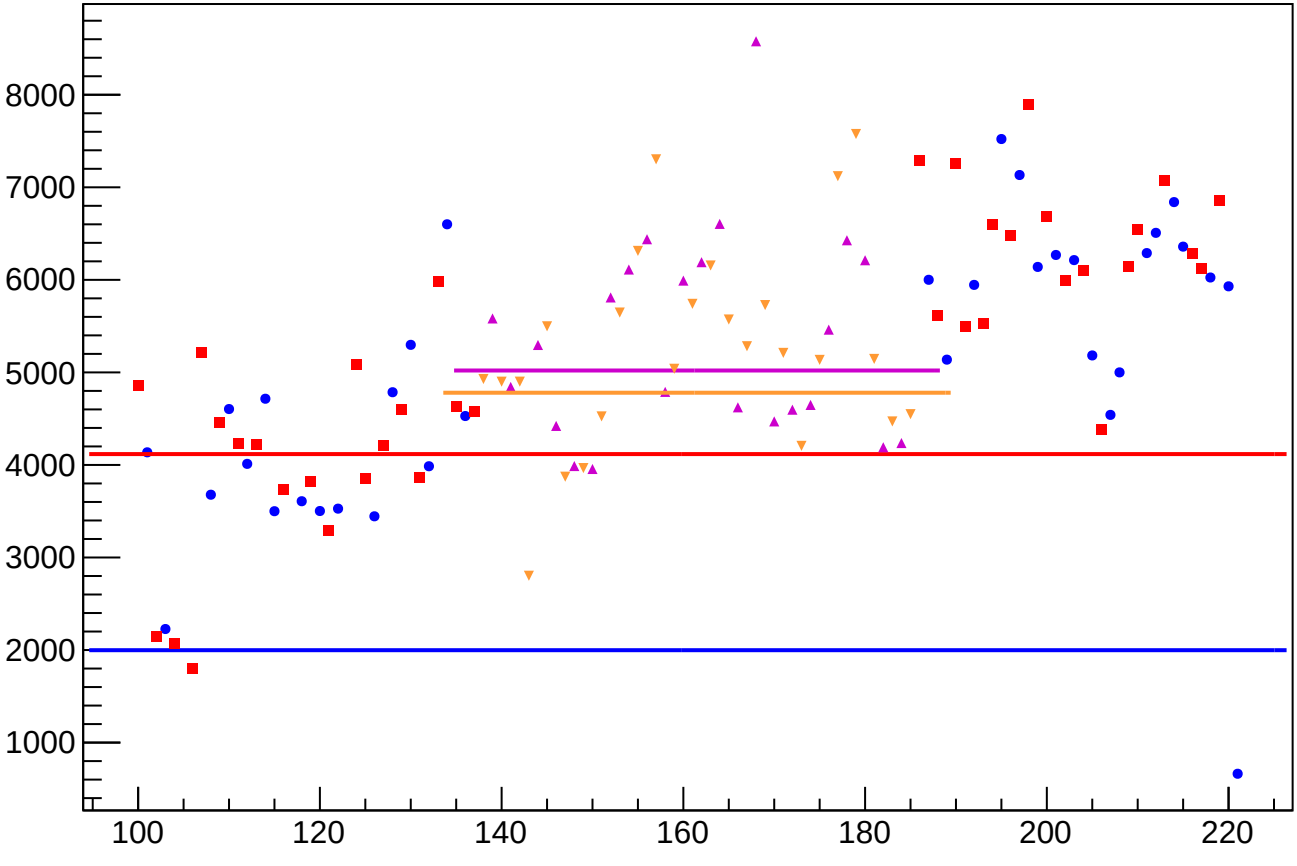
In: 1334.413+/-0.150 χ^2/NDF:593286.0/56

Out: 1325.158+/-0.148 χ^2/NDF:700649.3/61

All: 1329.719+/-0.105 χ^2/NDF: 1295862.2/11


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: -252.811+/-969.958 χ²/NDF: 48.9/36
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -30.221+/-519.206 χ²/NDF: 88.1/70
In: -10.144+/-546.783 χ²/NDF:52.7/56
Out: -399.087+/-733.857 χ²/NDF:78.4/61
All: -148.986+/-438.459 χ²/NDF: 131.3/118

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: 4117.376+/-0.686 χ^2/NDF: 6739303.3/36

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

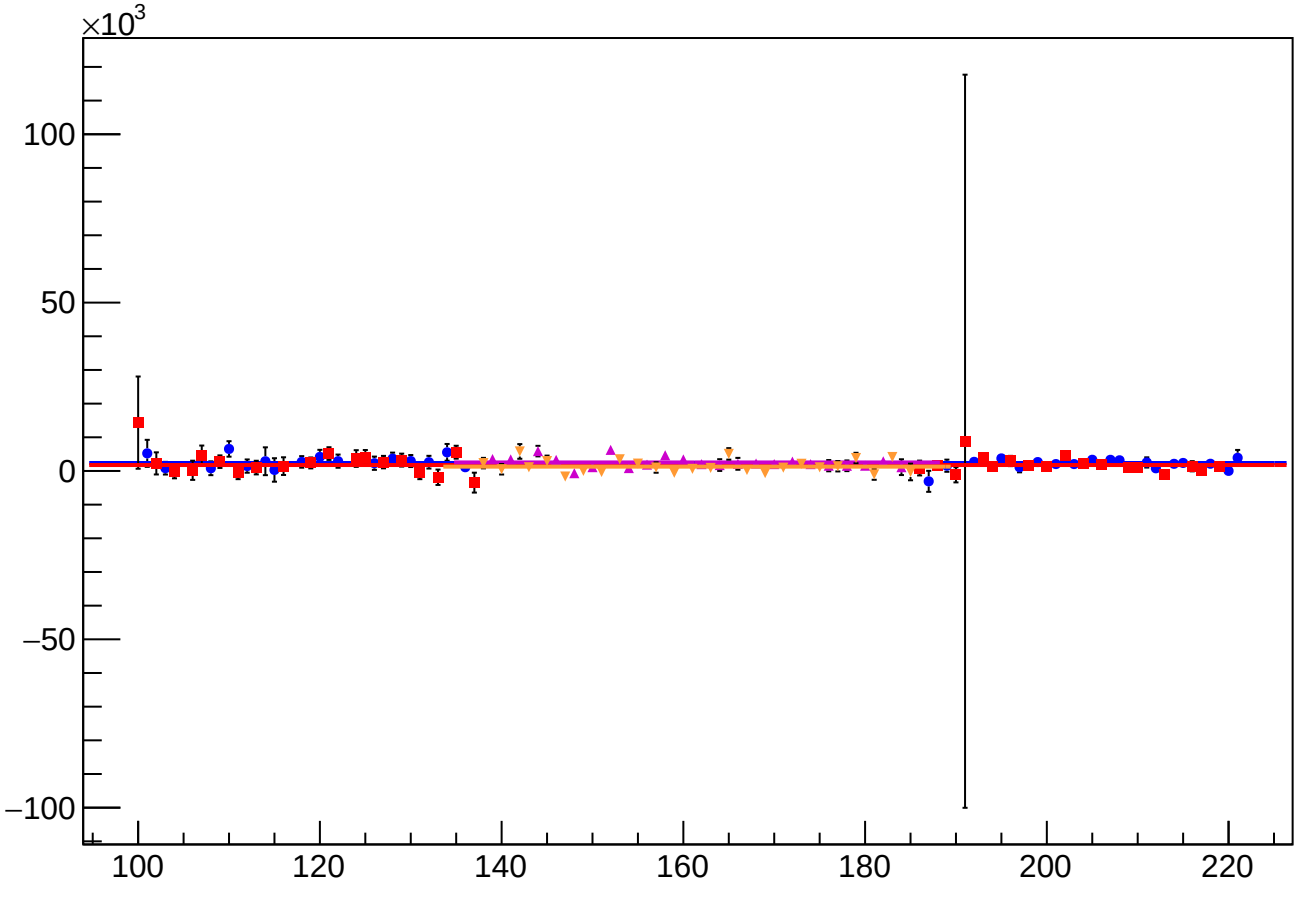
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 2605.475+/-0.367 χ^2/NDF: 35639843.7/70

In: 2629.126+/-0.387 χ^2/NDF:33406828.6/56

Out: 4400.868+/-0.519 χ^2/NDF:9145117.8/61

All: 3261.590+/-0.310 χ^2/NDF: 50048086.9/1



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: 1763.055+/-291.827 χ^2/NDF: 36.1/36

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

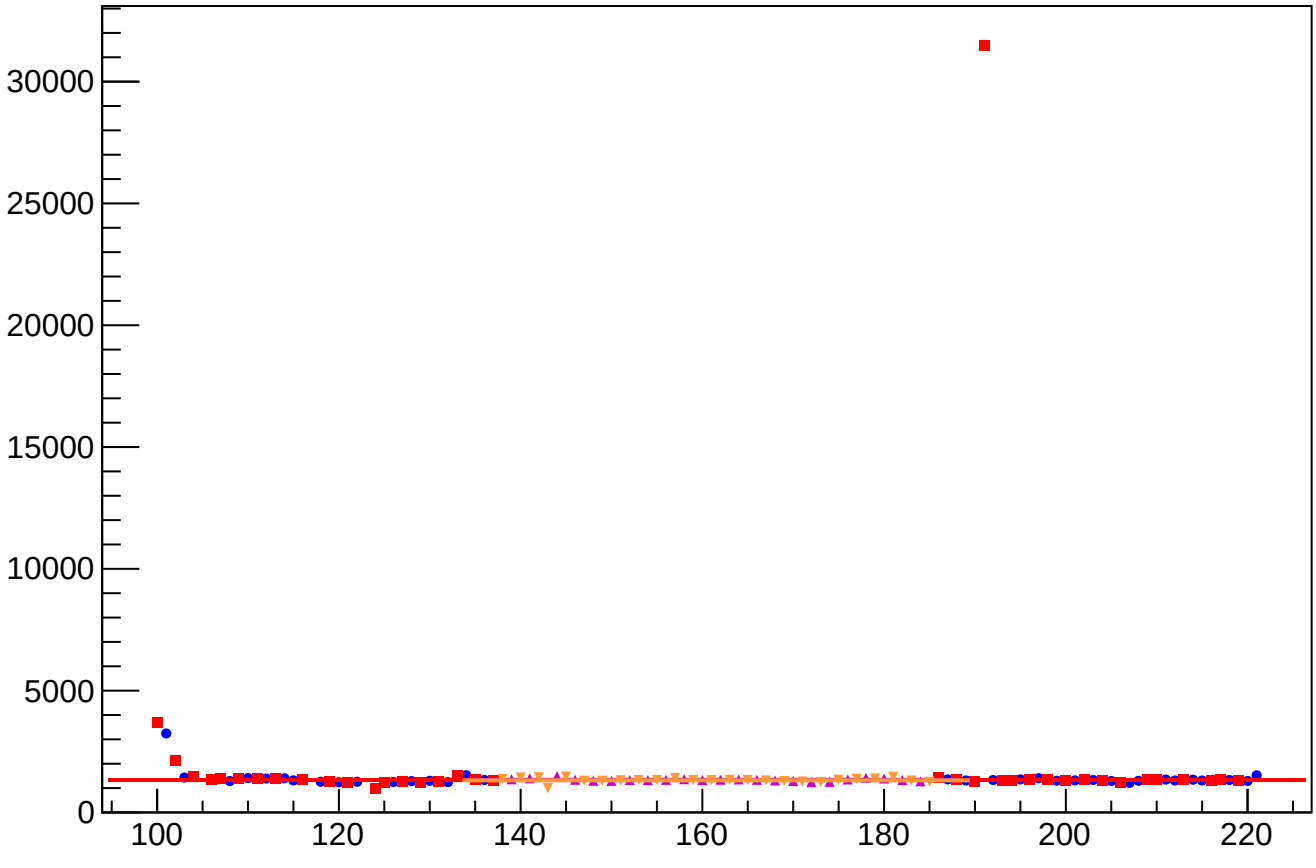
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2066.688+/-205.383 χ^2/NDF: 58.6/70

In: 2441.645+/-212.338 χ^2/NDF:45.6/56

Out: 1530.766+/-209.362 χ^2/NDF:70.8/61

All: 1979.777+/-149.082 χ^2/NDF: 125.6/118



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: 1331.739+/-0.206 χ^2/NDF: 450003.0/36

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

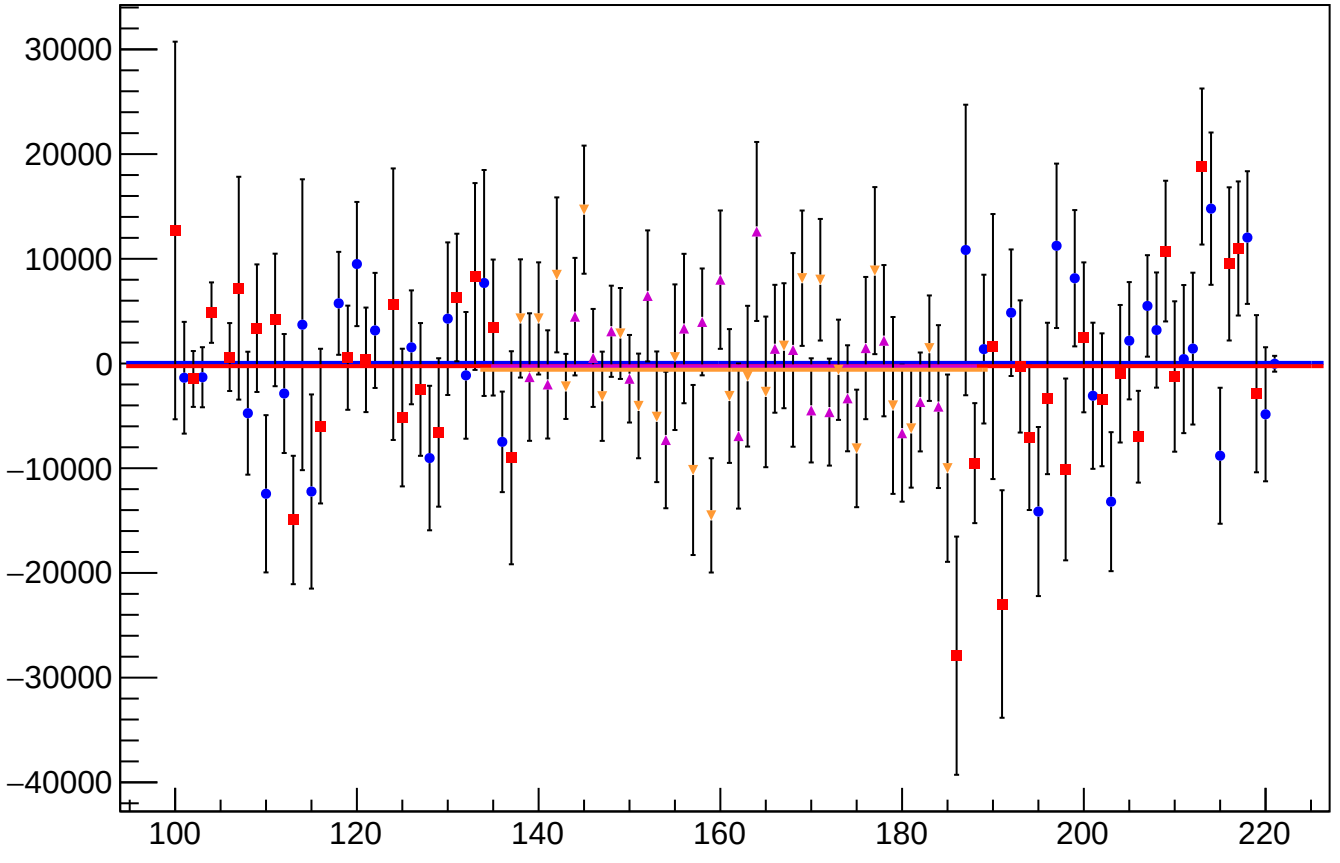
Right: 1331.283+/-0.145 χ^2/NDF: 988385.6/70

In: 1334.413+/-0.150 χ^2/NDF:593289.0/56

Out: 1325.158+/-0.148 χ^2/NDF:700650.4/61

All: 1329.720+/-0.105 χ^2/NDF: 1295866.2/11

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: -252.807+/-969.957 χ^2/NDF: 48.9/36

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

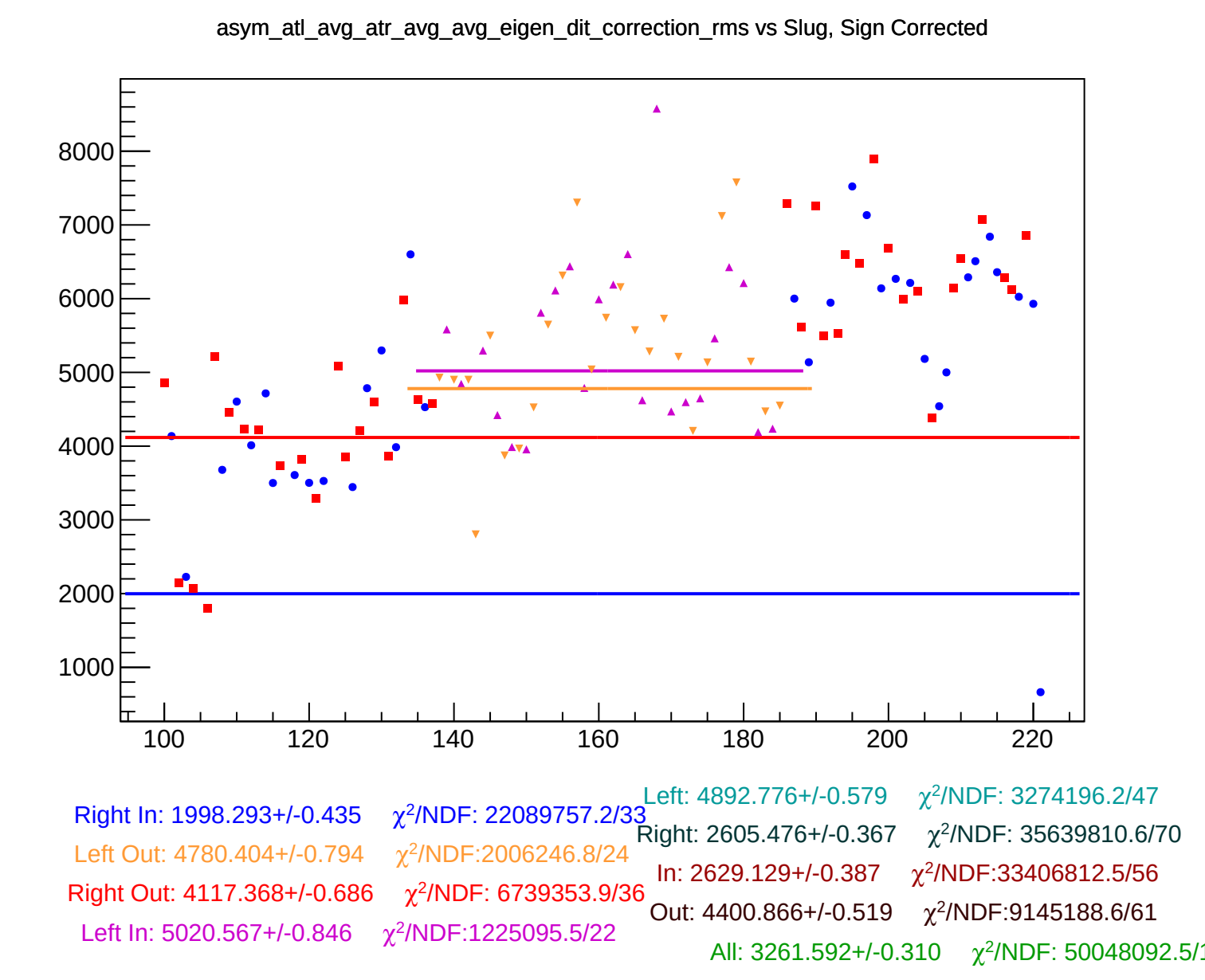
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

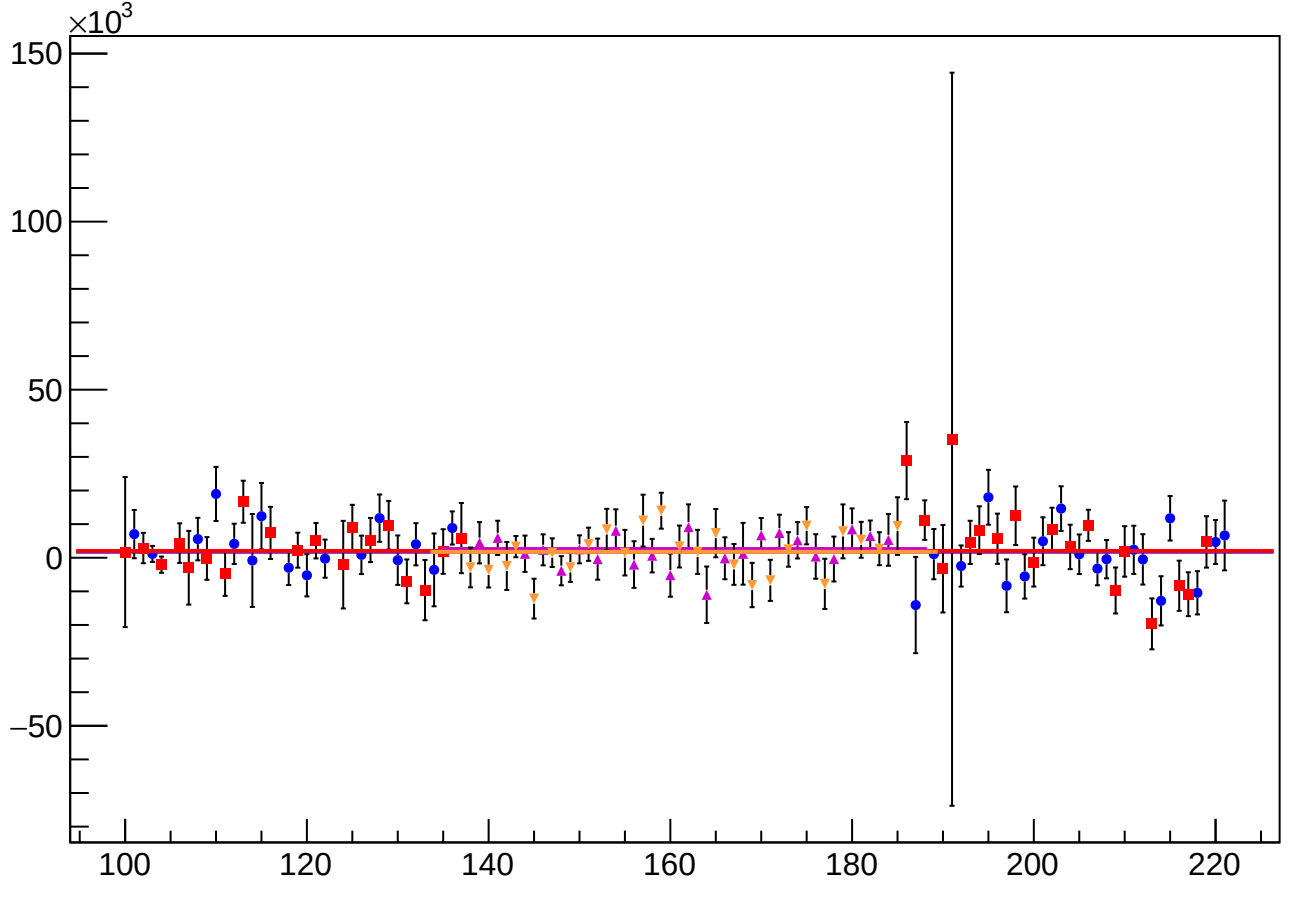
Right: -30.218+/-519.206 χ^2/NDF: 88.1/70

In: -10.142+/-546.783 χ^2/NDF:52.7/56

Out: -399.086+/-733.857 χ^2/NDF:78.4/61

All: -148.985+/-438.459 χ^2/NDF: 131.3/118


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1998.293+/-0.435 χ²/NDF: 22089757.2/33
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 4117.368+/-0.686 χ²/NDF: 6739353.9/36
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 2605.476+/-0.367 χ²/NDF: 35639810.6/70
In: 2629.129+/-0.387 χ²/NDF:33406812.5/56
Out: 4400.866+/-0.519 χ²/NDF:9145188.6/61
All: 3261.592+/-0.310 χ²/NDF: 50048092.5/



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: 2012.377+/-1051.607 χ^2/NDF: 48.7/36

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

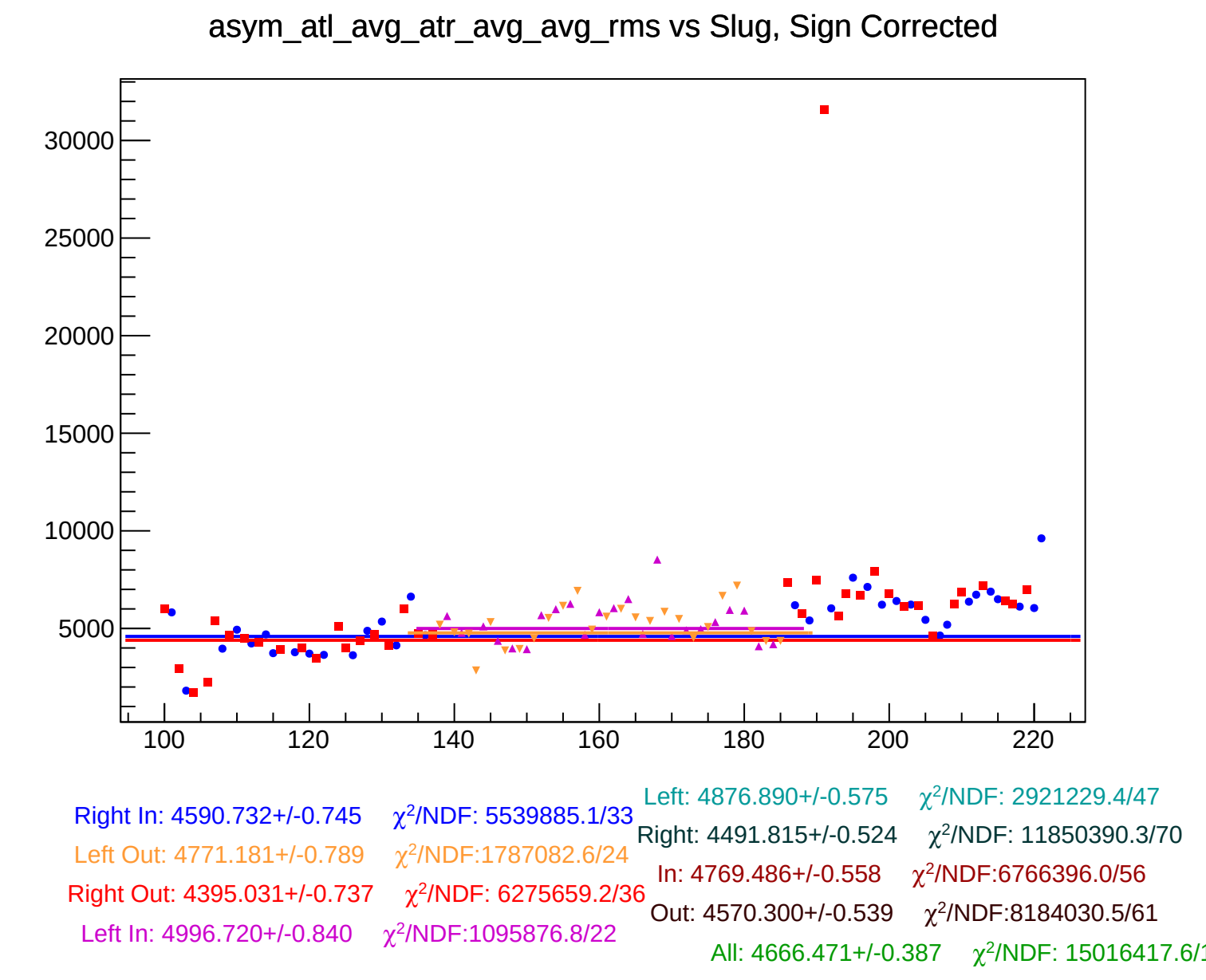
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 1911.693+/-744.471 χ^2/NDF: 86.4/70

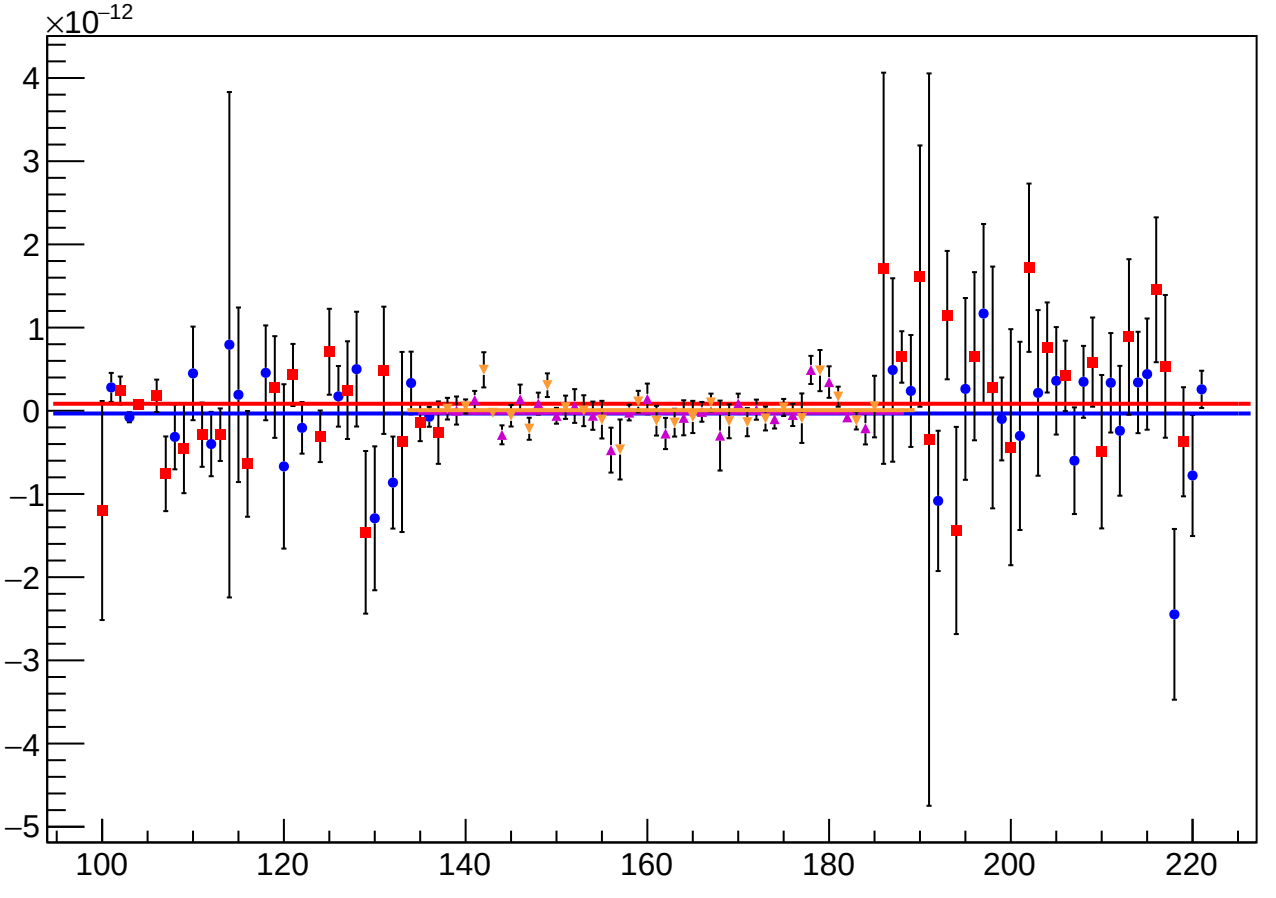
In: 2149.309+/-788.592 χ^2/NDF:51.2/56

Out: 1894.497+/-765.425 χ^2/NDF:76.4/61

All: 2018.105+/-549.245 χ^2/NDF: 127.6/118


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4590.732+/-0.745 χ²/NDF: 5539885.1/33
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 4395.031+/-0.737 χ²/NDF: 6275659.2/36
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4491.815+/-0.524 χ²/NDF: 11850390.3/70
In: 4769.486+/-0.558 χ²/NDF:6766396.0/56
Out: 4570.300+/-0.539 χ²/NDF:8184030.5/61
All: 4666.471+/-0.387 χ²/NDF: 15016417.6/

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 37.9/36

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

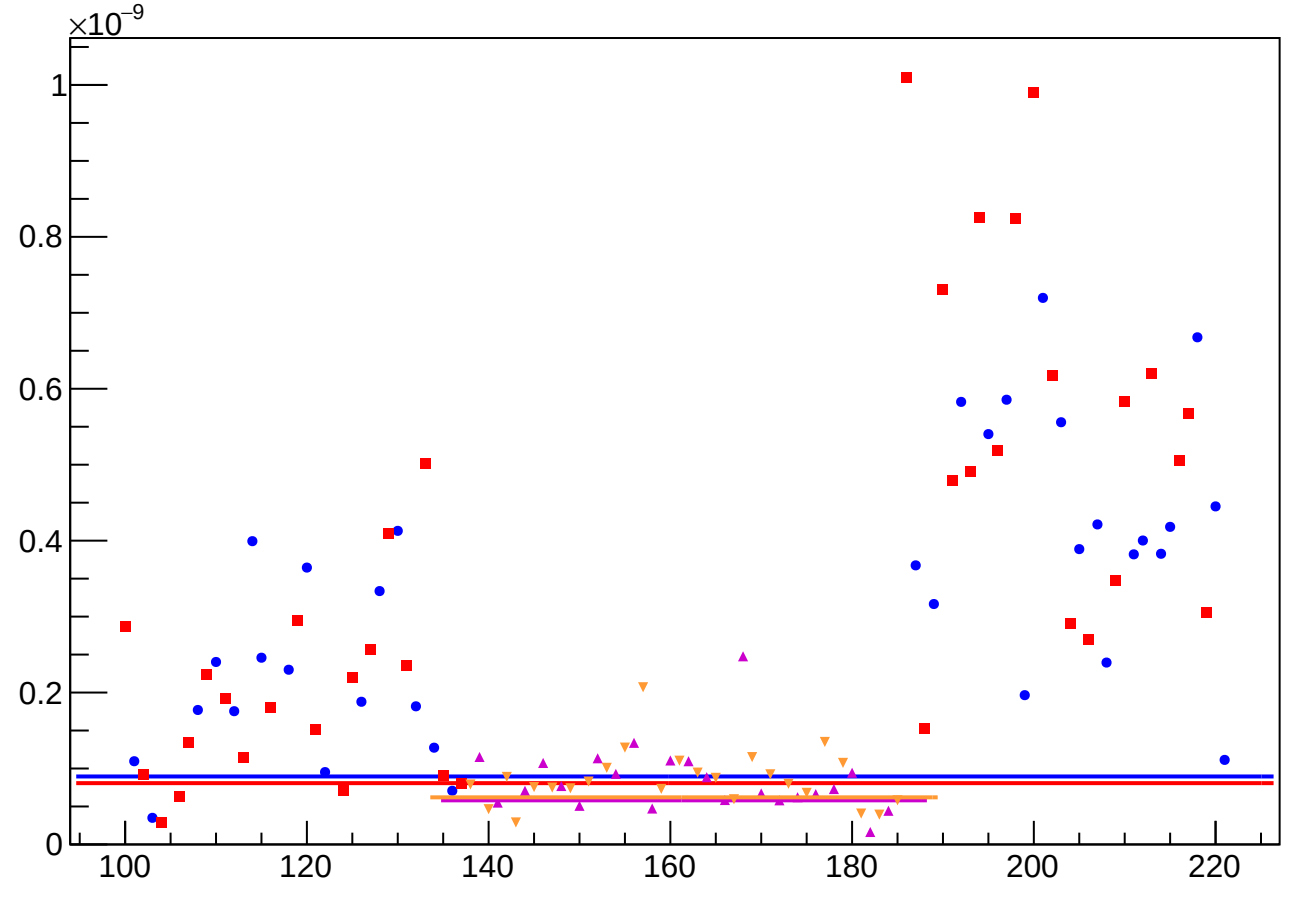
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 69.9/70

In: -0.000+/-0.000 χ^2/NDF:60.5/56

Out: 0.000+/-0.000 χ^2/NDF:67.1/61

All: 0.000+/-0.000 χ^2/NDF: 130.3/118



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: 11451228.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

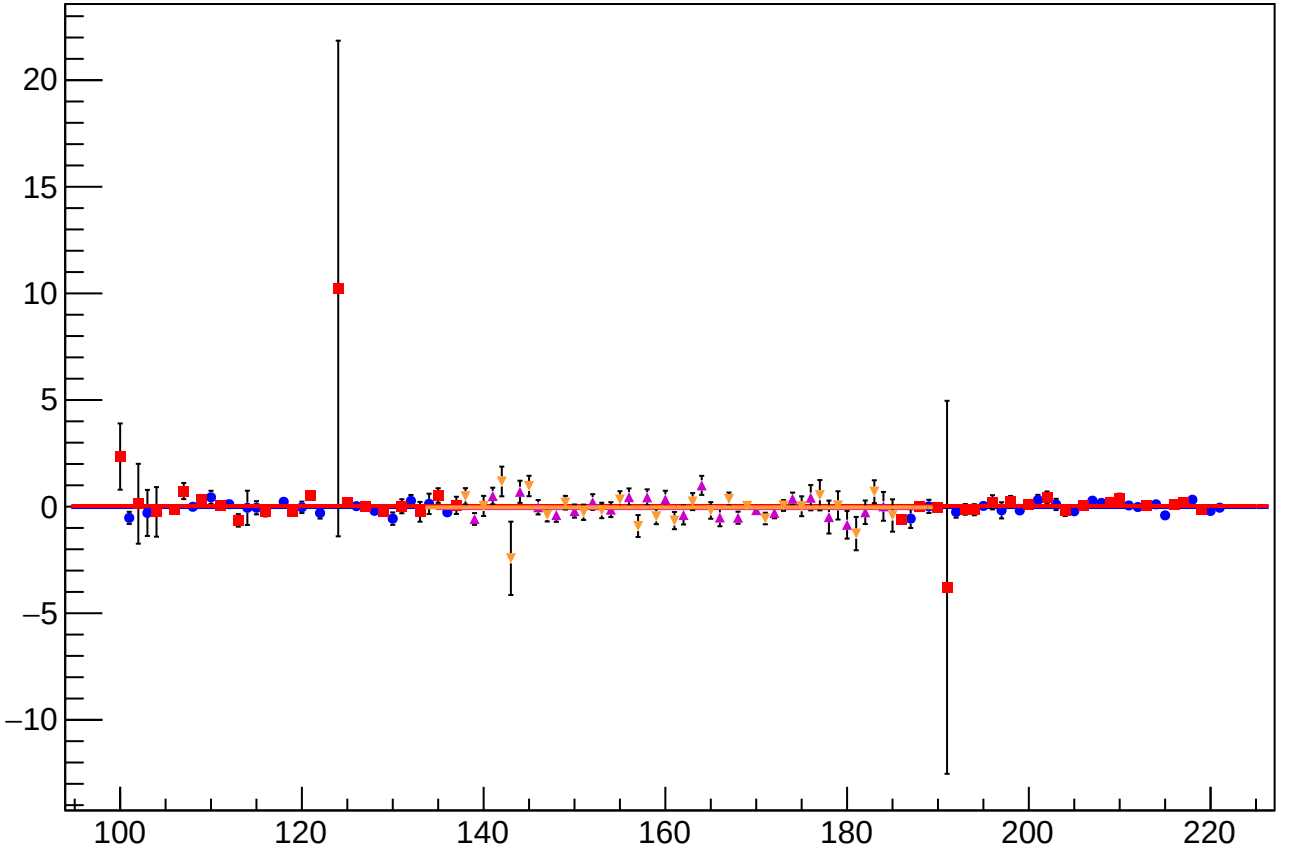
Right: 0.000+/-0.000 χ^2/NDF: 21632018.1/70

In: 0.000+/-0.000 χ^2/NDF:13821200.2/56

Out: 0.000+/-0.000 χ^2/NDF:14147641.1/61

All: 0.000+/-0.000 χ^2/NDF: 27969740.1/118

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: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

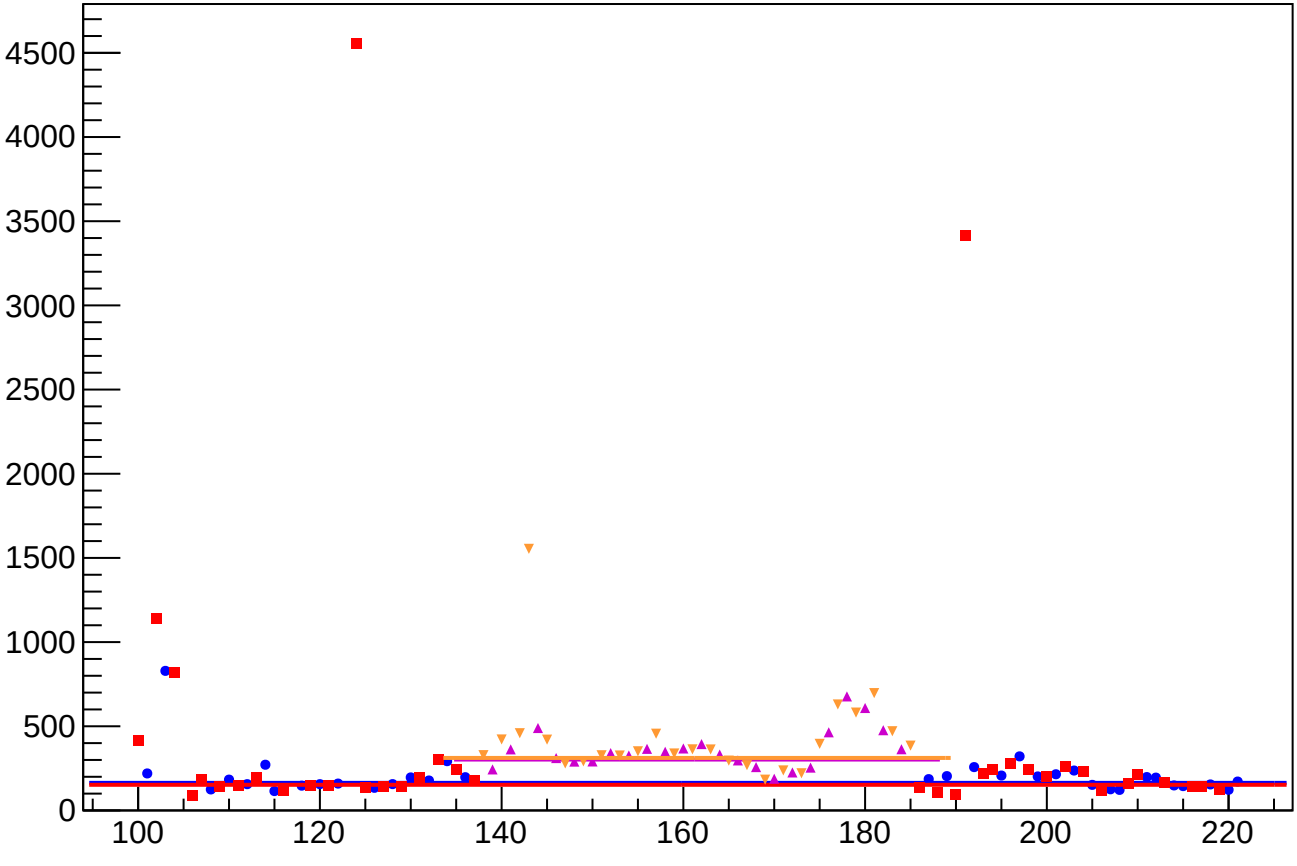
Right: 0.006+/-0.026 χ^2/NDF: 87.6/70

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: -0.005+/-0.024 χ^2/NDF: 151.1/118

asym_atl_avg_atr_avg_avg_dit_vs_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: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

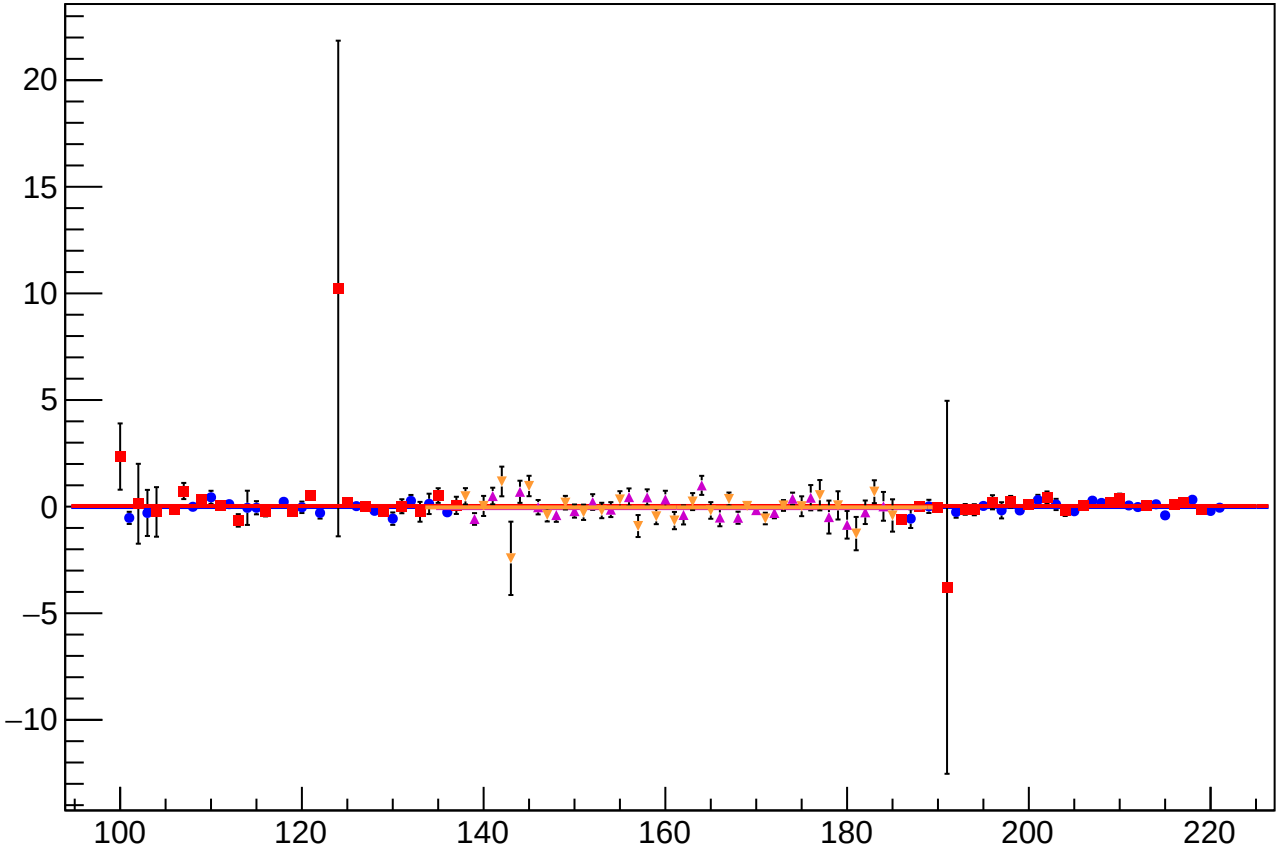
Right: 158.018+/-0.019 χ^2/NDF: 8056666.2/70

In: 191.822+/-0.024 χ^2/NDF:11227638.8/56

Out: 182.173+/-0.023 χ^2/NDF:16395251.2/61

All: 186.921+/-0.017 χ^2/NDF: 27706498.5/1

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: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

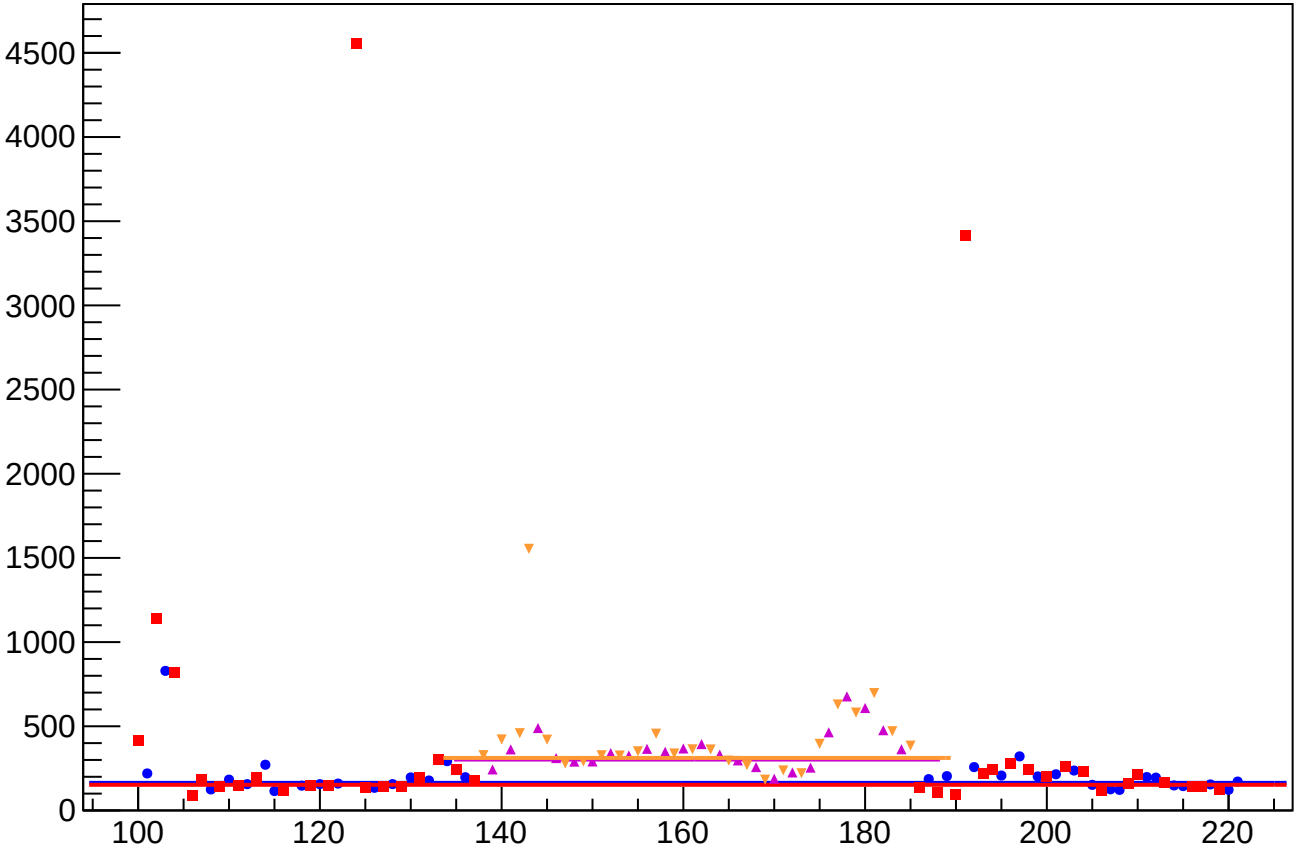
Right: 0.006+/-0.026 χ^2/NDF: 87.6/70

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: -0.005+/-0.024 χ^2/NDF: 151.1/118

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: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

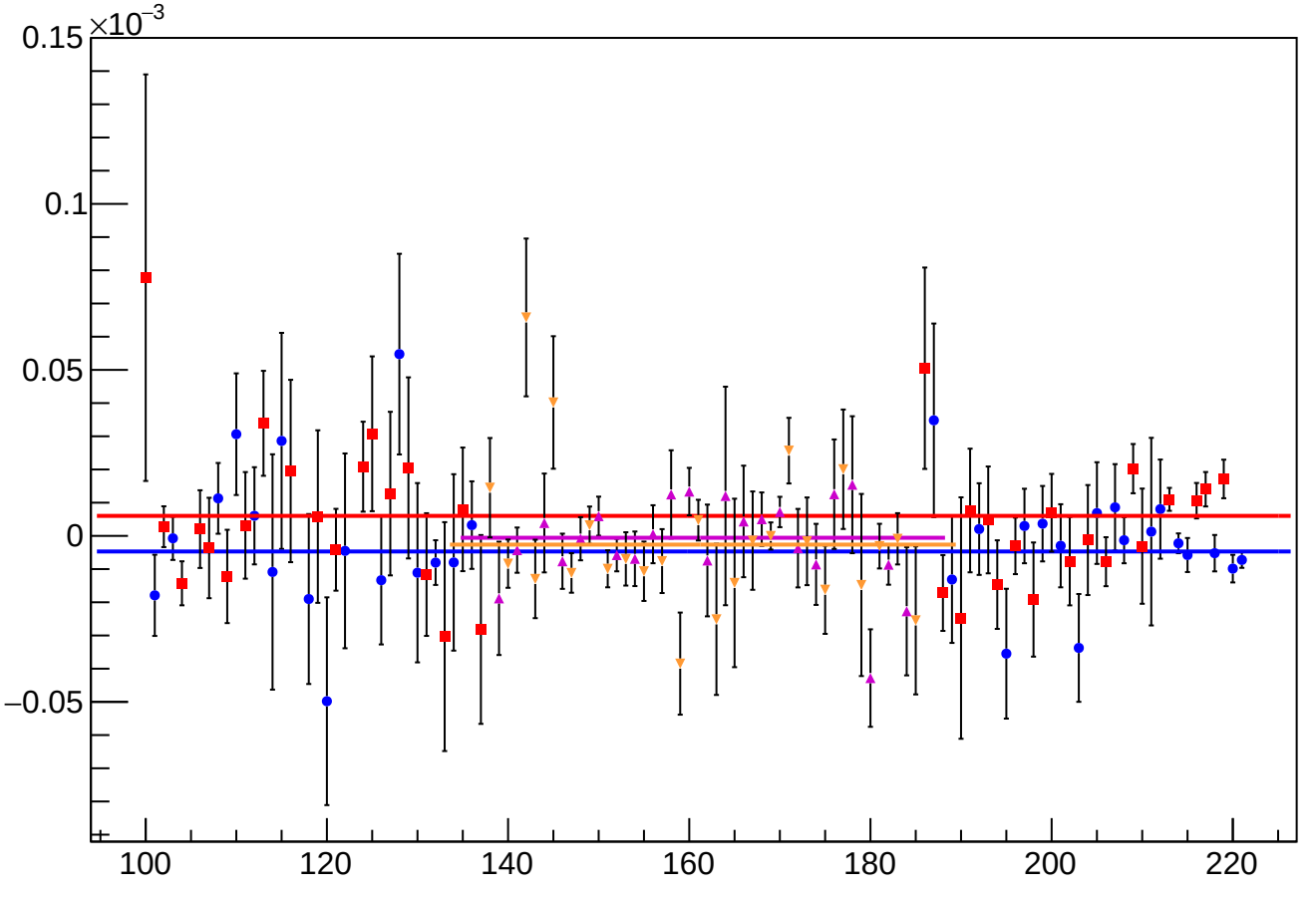
Right: 158.018+/-0.019 χ^2/NDF: 8056666.2/70

In: 191.822+/-0.024 χ^2/NDF:11227638.8/56

Out: 182.173+/-0.023 χ^2/NDF:16395251.2/61

All: 186.921+/-0.017 χ^2/NDF: 27706498.5/11

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: 53.8/36

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

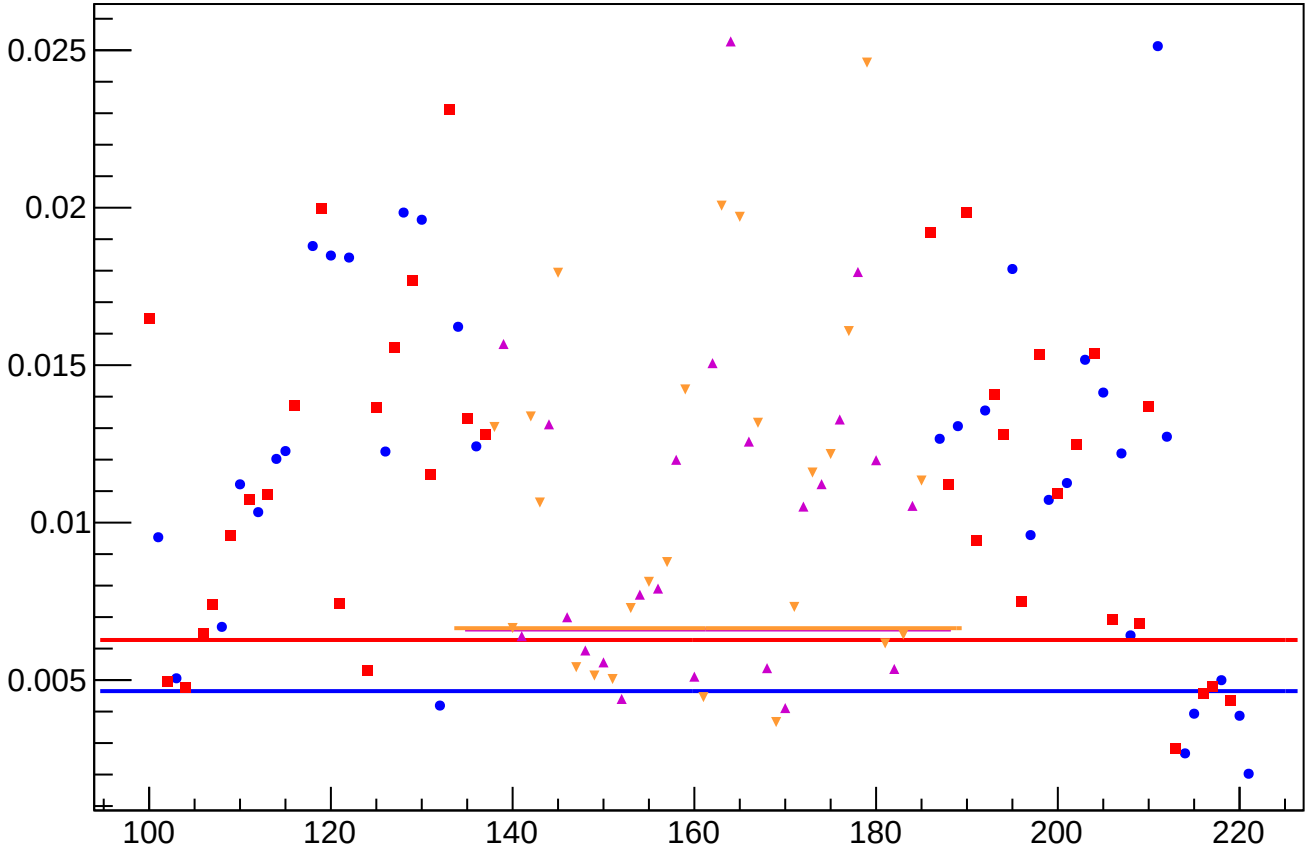
Right: -0.000+/-0.000 χ^2/NDF: 111.5/70

In: -0.000+/-0.000 χ^2/NDF:61.6/56

Out: 0.000+/-0.000 χ^2/NDF:109.5/61

All: -0.000+/-0.000 χ^2/NDF: 182.1/118

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: 0.006+/-0.000 χ^2/NDF: 10238196.9/36

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

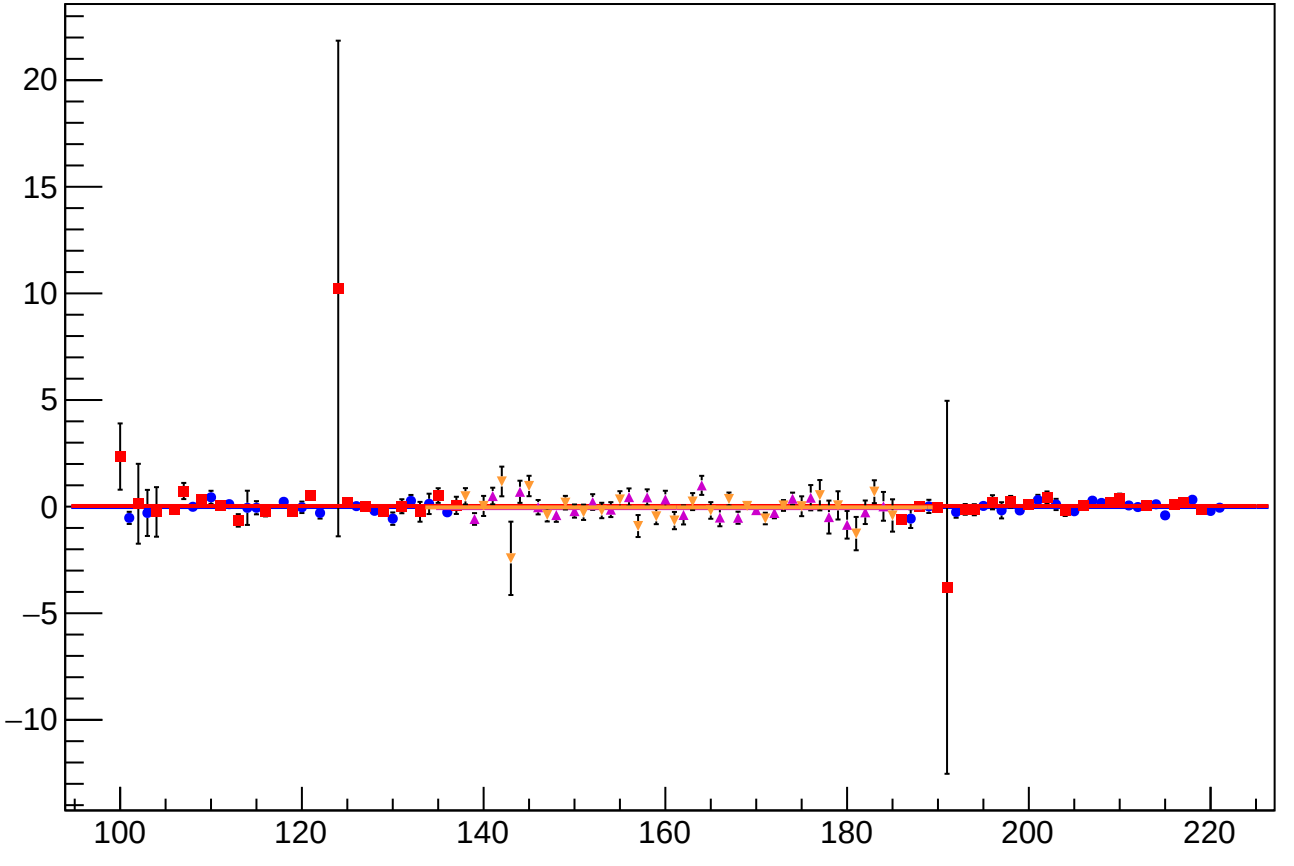
Right: 0.005+/-0.000 χ^2/NDF: 27862148.0/70

In: 0.005+/-0.000 χ^2/NDF:23833420.2/56

Out: 0.006+/-0.000 χ^2/NDF:17801933.8/61

All: 0.006+/-0.000 χ^2/NDF: 42604787.2/118

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: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

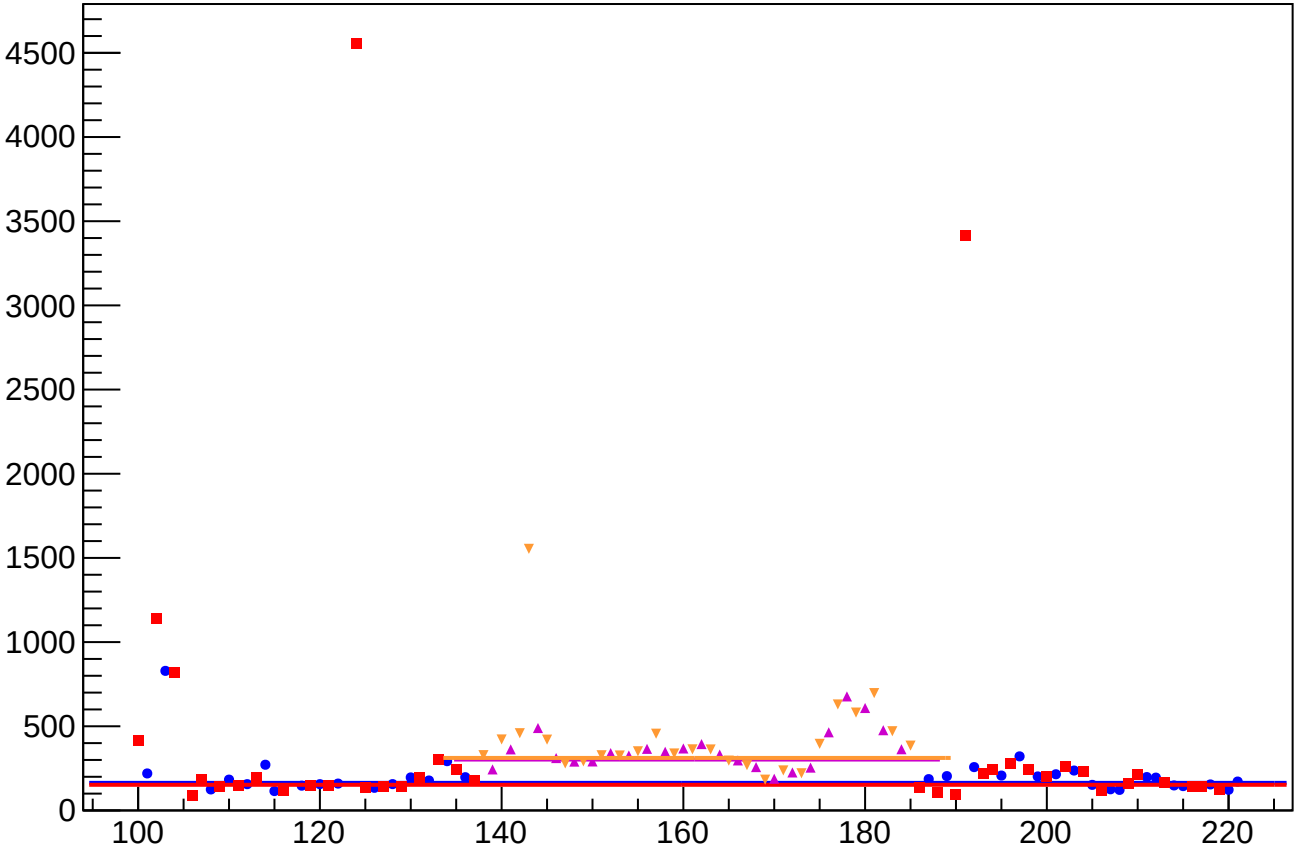
Right: 0.006+/-0.026 χ^2/NDF: 87.6/70

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: -0.005+/-0.024 χ^2/NDF: 151.1/118

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: 152.426+/-0.026 χ^2/NDF: 5001314.9/36

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

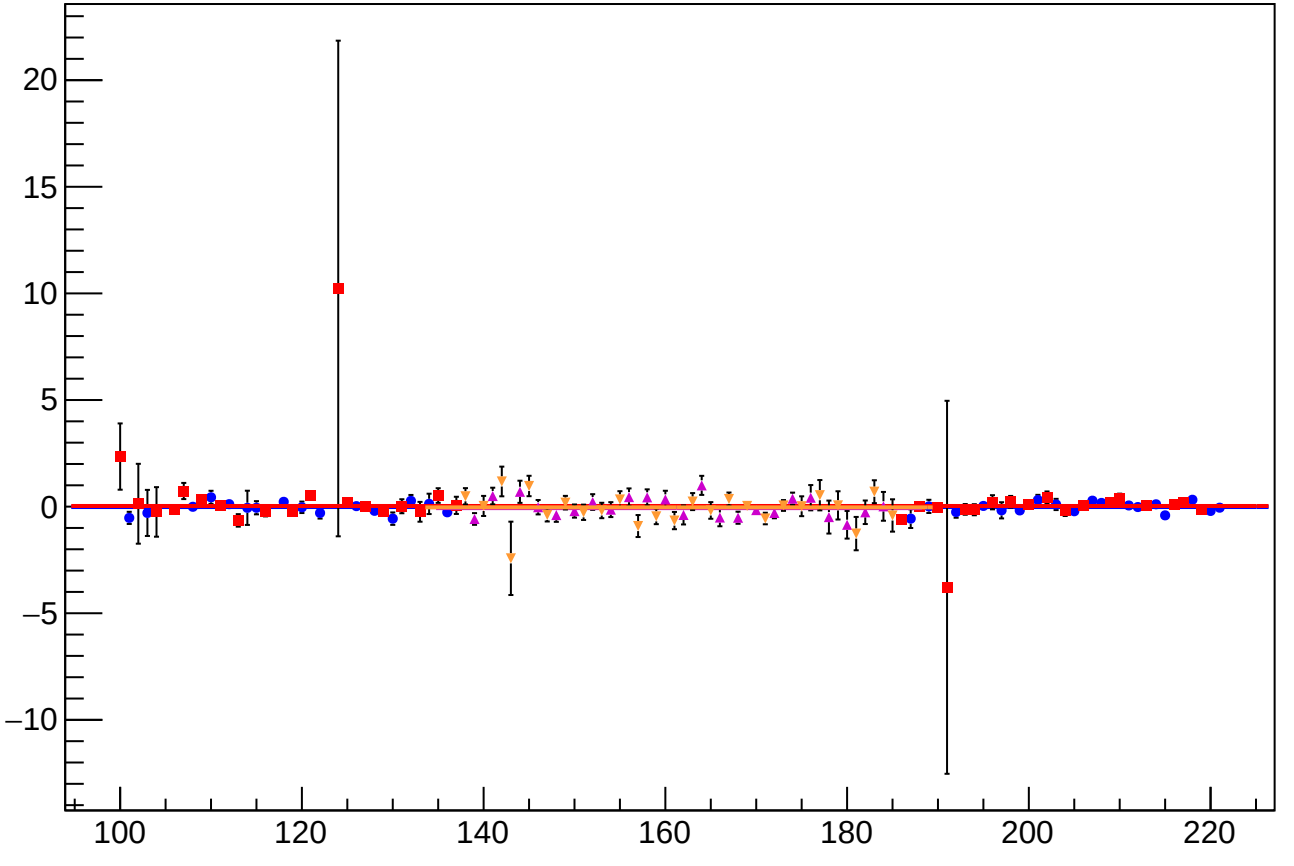
Right: 158.016+/-0.019 χ^2/NDF: 8056972.9/70

In: 191.821+/-0.024 χ^2/NDF:11227974.7/56

Out: 182.170+/-0.023 χ^2/NDF:16395913.4/61

All: 186.919+/-0.017 χ^2/NDF: 27707531.8/11

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: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

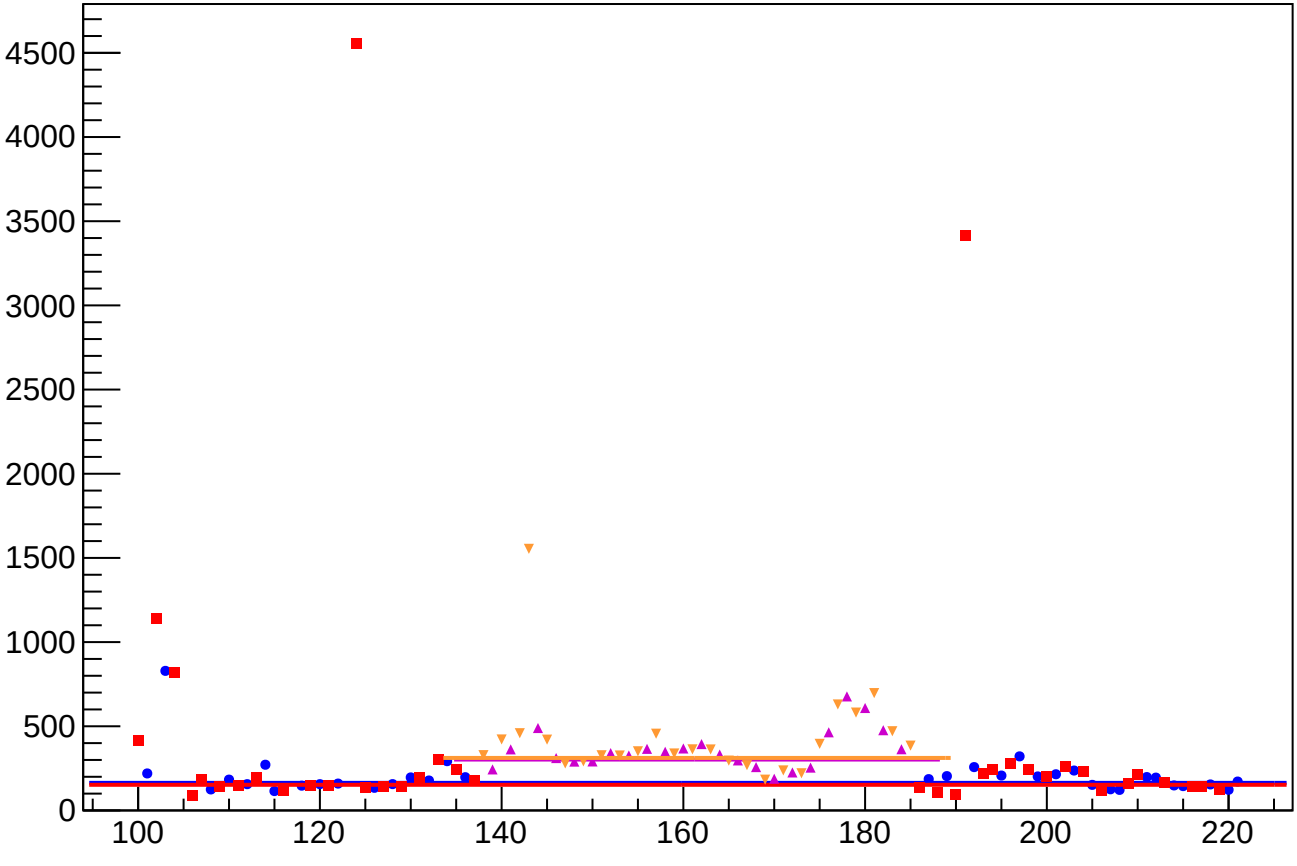
Right: 0.006+/-0.026 χ^2/NDF: 87.6/70

In: -0.029+/-0.034 χ^2/NDF:71.6/56

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: -0.005+/-0.024 χ^2/NDF: 151.1/118

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: 152.426+/-0.026 χ^2/NDF: 5001314.9/36

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

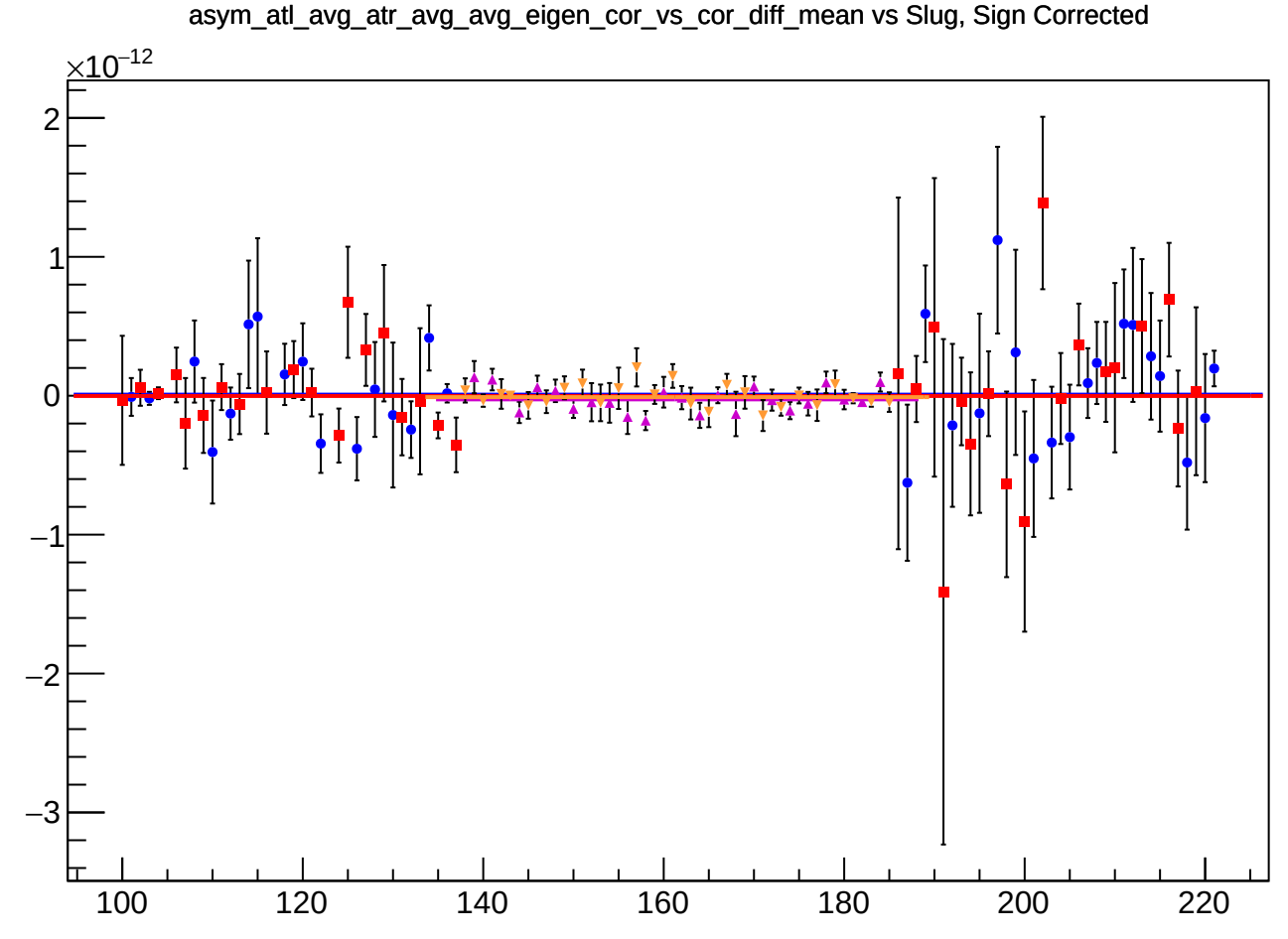
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 158.016+/-0.019 χ^2/NDF: 8056972.9/70

In: 191.821+/-0.024 χ^2/NDF:11227974.7/56

Out: 182.170+/-0.023 χ^2/NDF:16395913.4/61

All: 186.919+/-0.017 χ^2/NDF: 27707531.8/1



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: 33.8/36

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

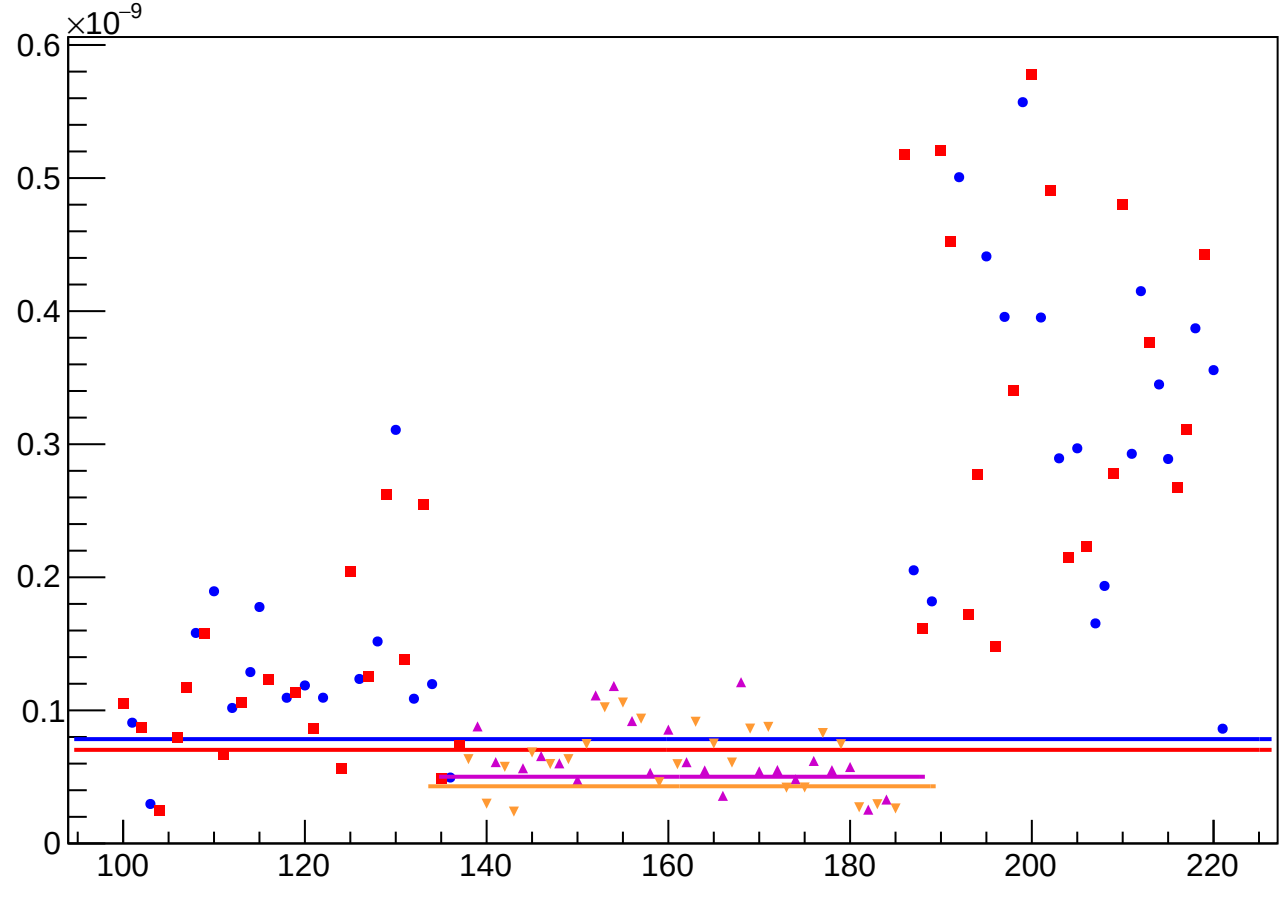
Right: 0.000+/-0.000 χ^2/NDF: 66.6/70

In: -0.000+/-0.000 χ^2/NDF:61.3/56

Out: -0.000+/-0.000 χ^2/NDF:50.0/61

All: -0.000+/-0.000 χ^2/NDF: 111.7/118

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 12852594.4/36

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

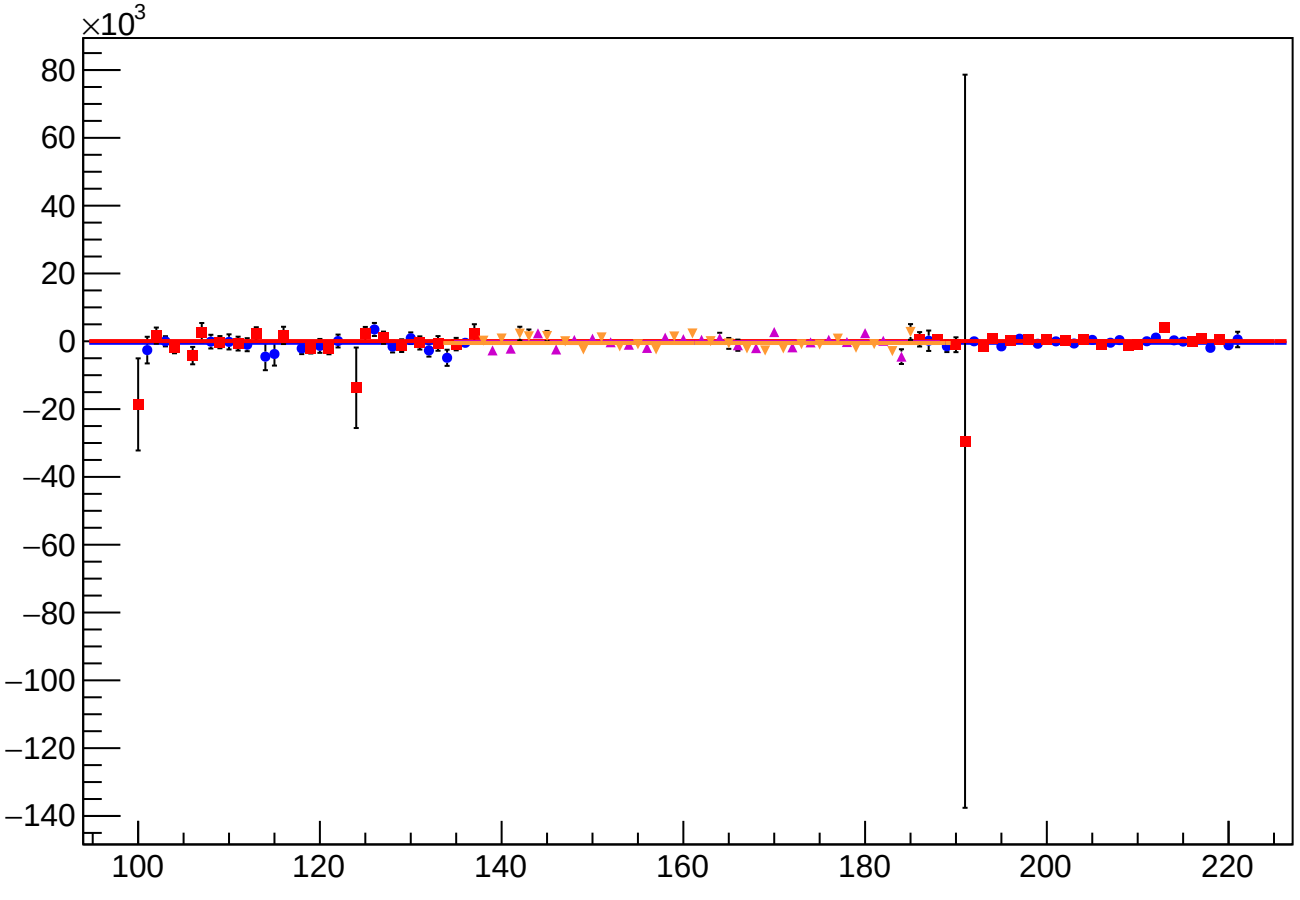
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 26363202.6/70

In: 0.000+/-0.000 χ^2/NDF:18428705.7/56

Out: 0.000+/-0.000 χ^2/NDF:19310575.8/61

All: 0.000+/-0.000 χ^2/NDF: 38145163.2/118



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: 60.765+/-280.571 χ^2/NDF: 30.2/36

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

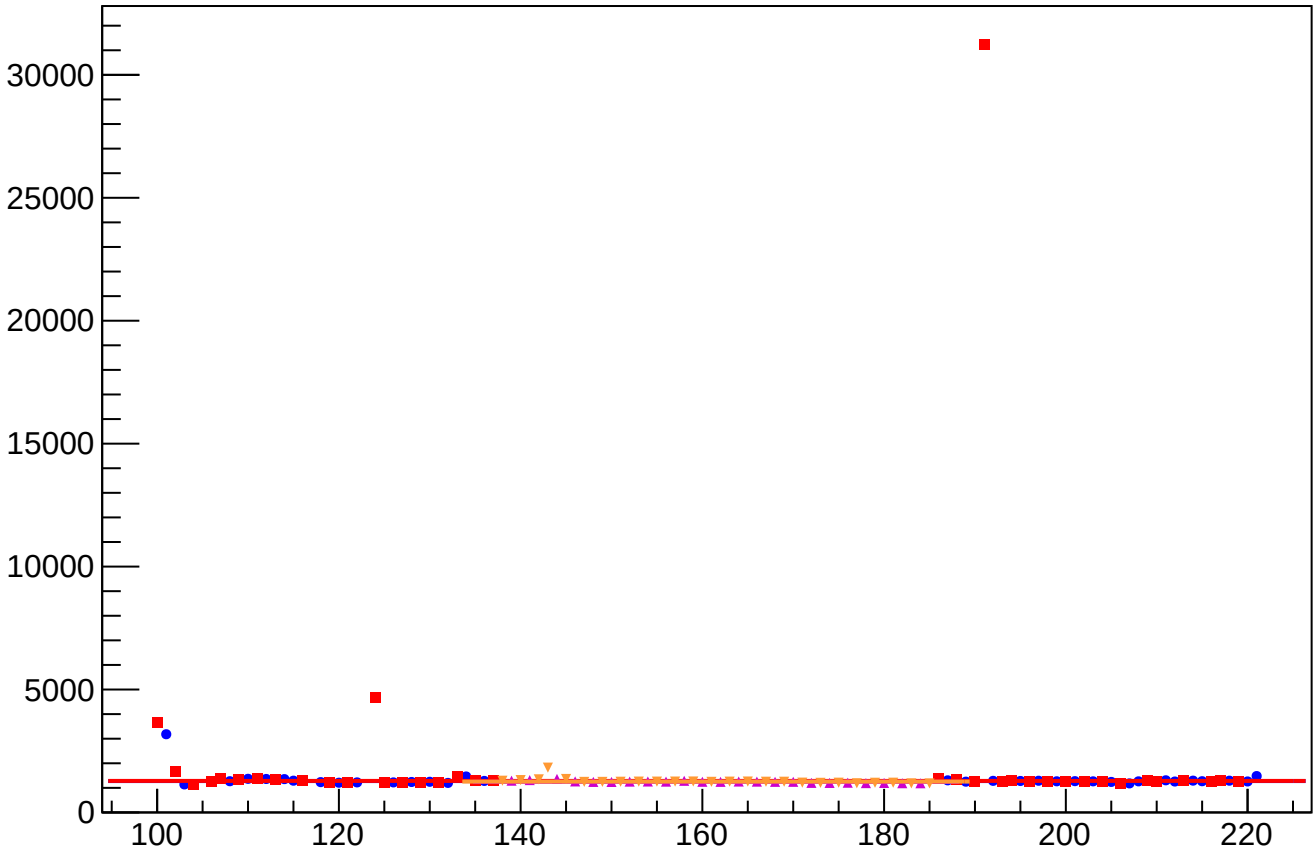
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -196.278+/-197.227 χ^2/NDF: 51.9/70

In: -350.013+/-200.804 χ^2/NDF:52.3/56

Out: -221.404+/-200.267 χ^2/NDF:63.2/61

All: -285.536+/-141.799 χ^2/NDF: 115.7/118



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: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

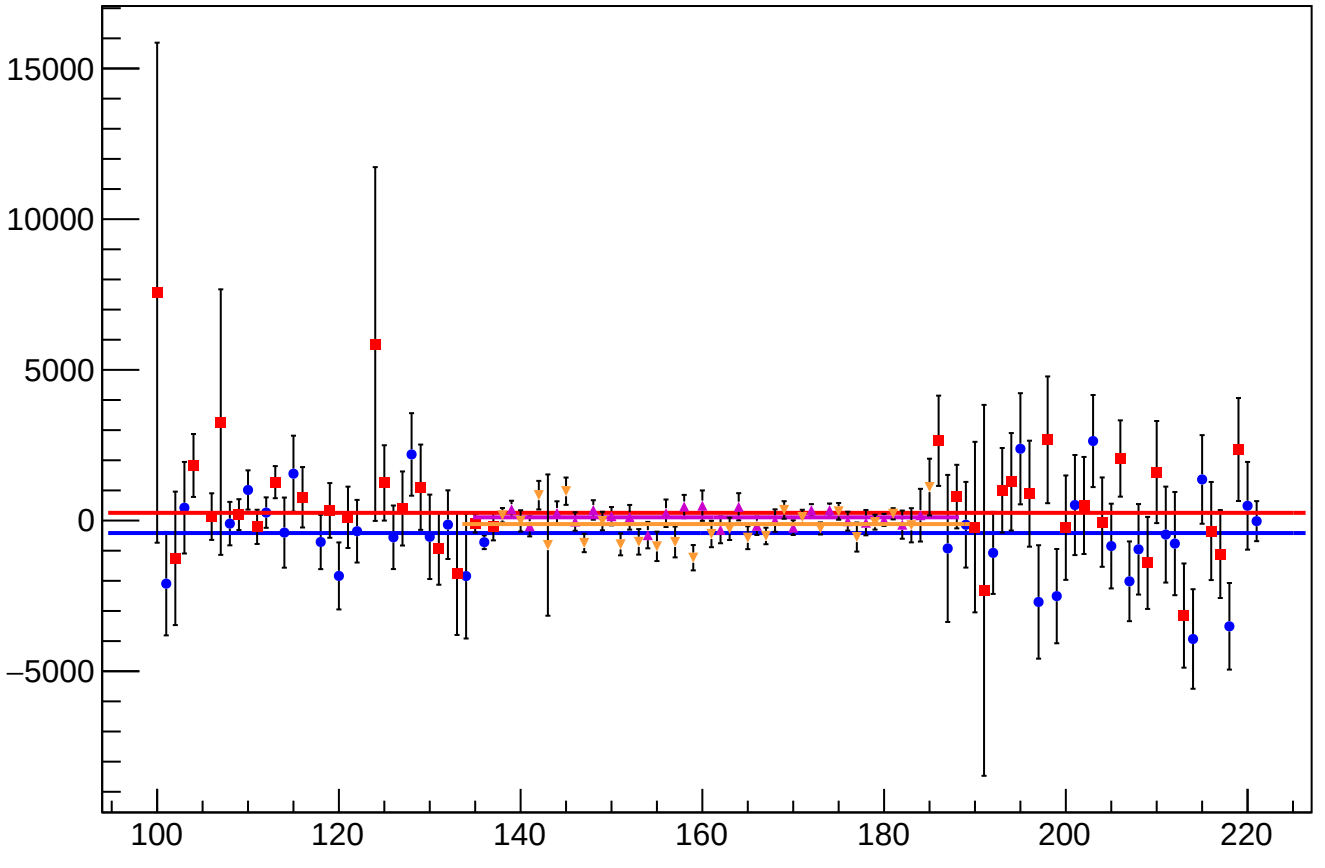
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.725+/-0.139 χ^2/NDF: 1060043.4/70

In: 1262.242+/-0.142 χ^2/NDF:602012.9/56

Out: 1269.452+/-0.142 χ^2/NDF:721196.4/61

All: 1265.856+/-0.100 χ^2/NDF: 1324501.9/11



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: 256.088+/-154.653 χ^2/NDF: 30.4/36

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

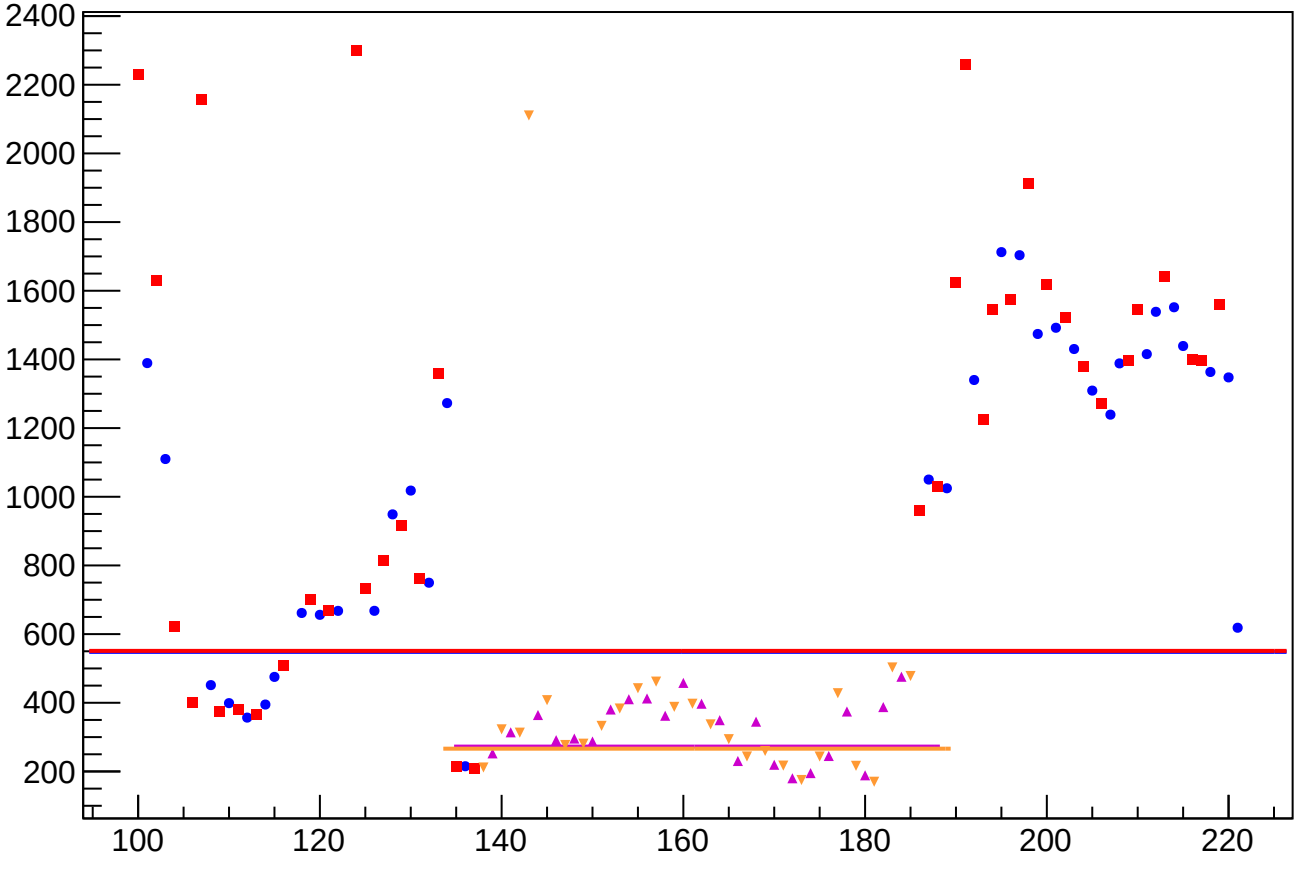
Right: -90.204+/-107.556 χ^2/NDF: 81.6/70

In: 20.220+/-61.154 χ^2/NDF:65.4/56

Out: -60.926+/-59.969 χ^2/NDF:83.8/61

All: -21.147+/-42.817 χ^2/NDF: 150.0/118

asym_atl_avg_atr_avg_dd_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: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

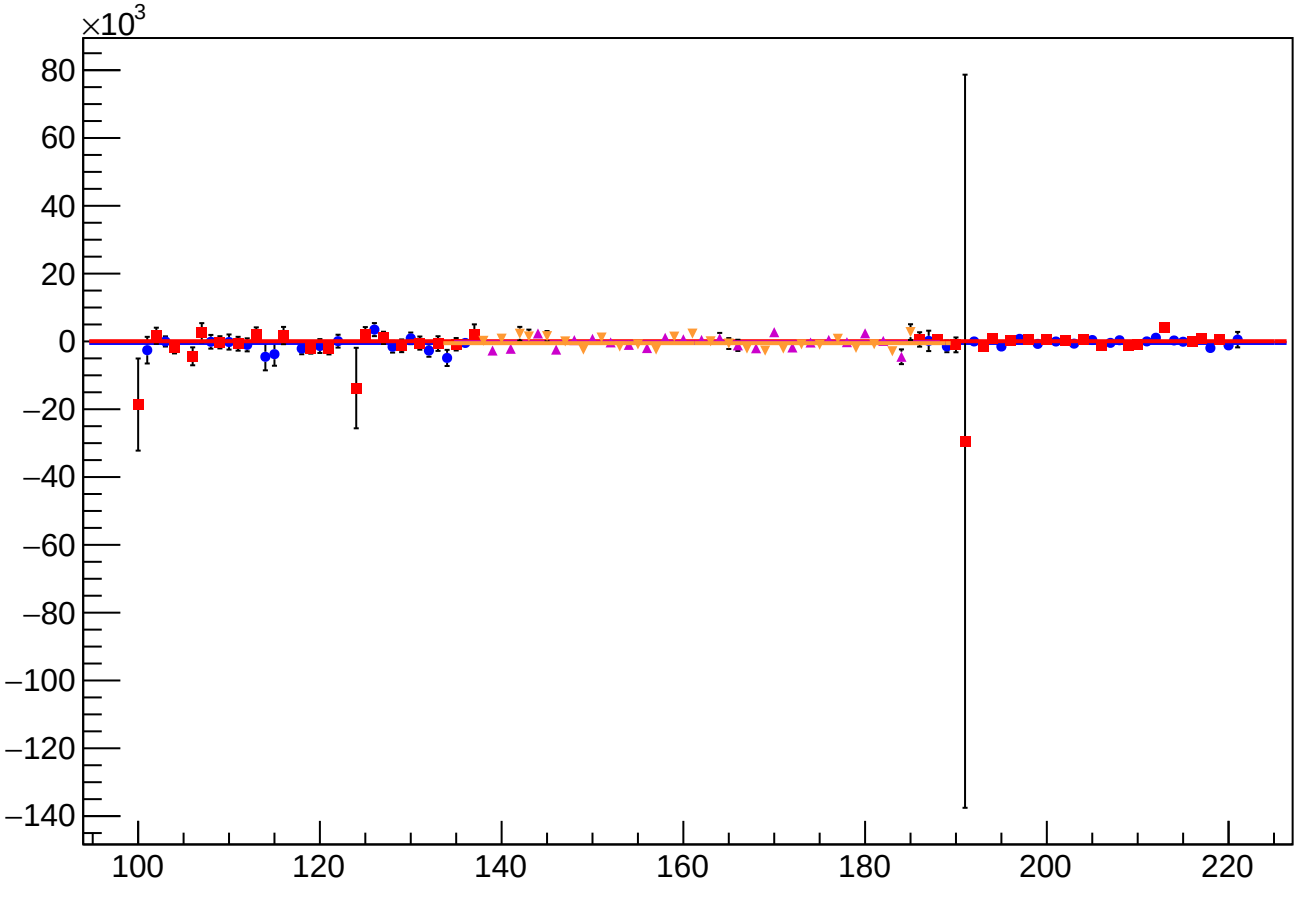
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 549.675+/-0.076 χ^2/NDF: 33096039.4/70

In: 318.425+/-0.043 χ^2/NDF:25129303.2/56

Out: 309.147+/-0.042 χ^2/NDF:26910020.6/61

All: 313.695+/-0.030 χ^2/NDF: 52062794.9/11



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: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

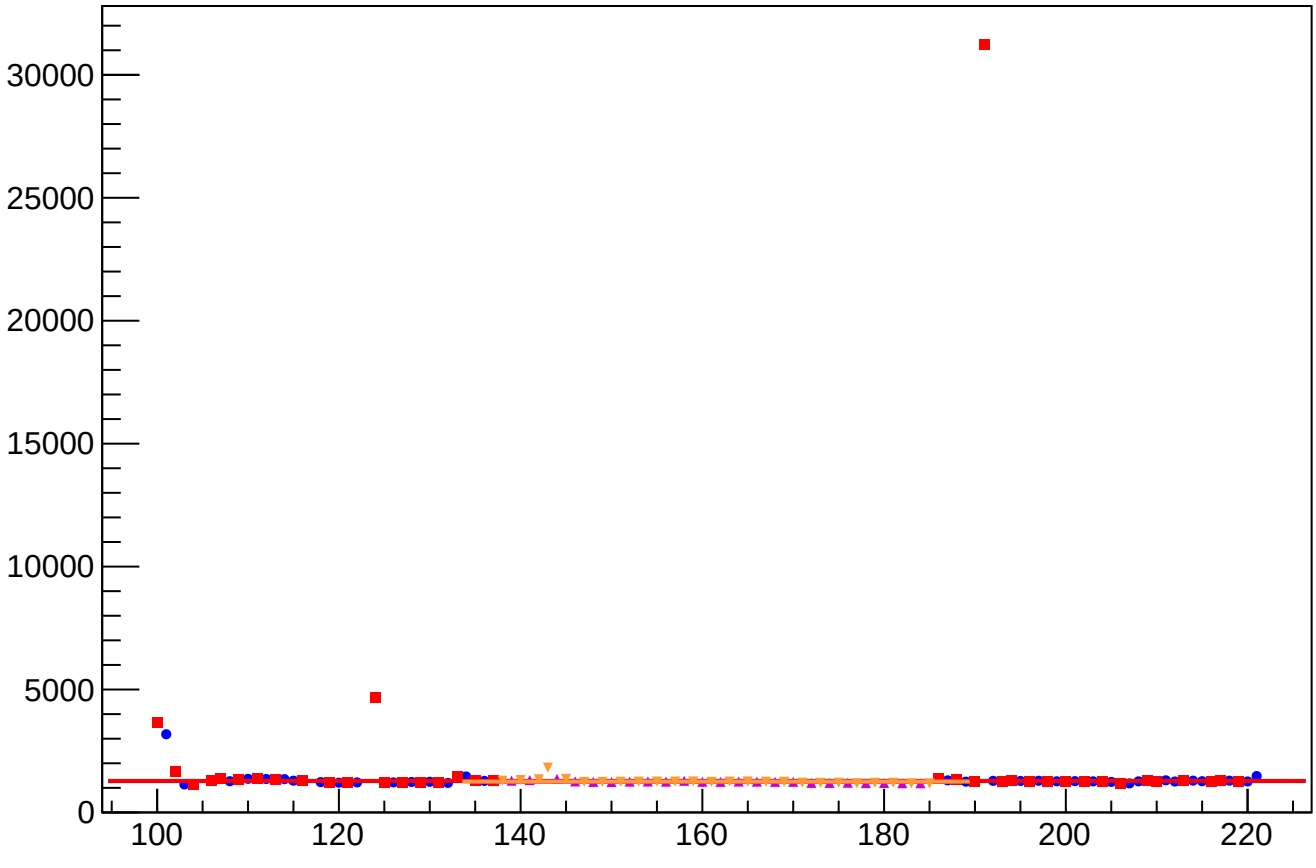
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -195.727+/-197.262 χ^2/NDF: 51.9/70

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -285.249+/-141.812 χ^2/NDF: 115.7/118



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: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

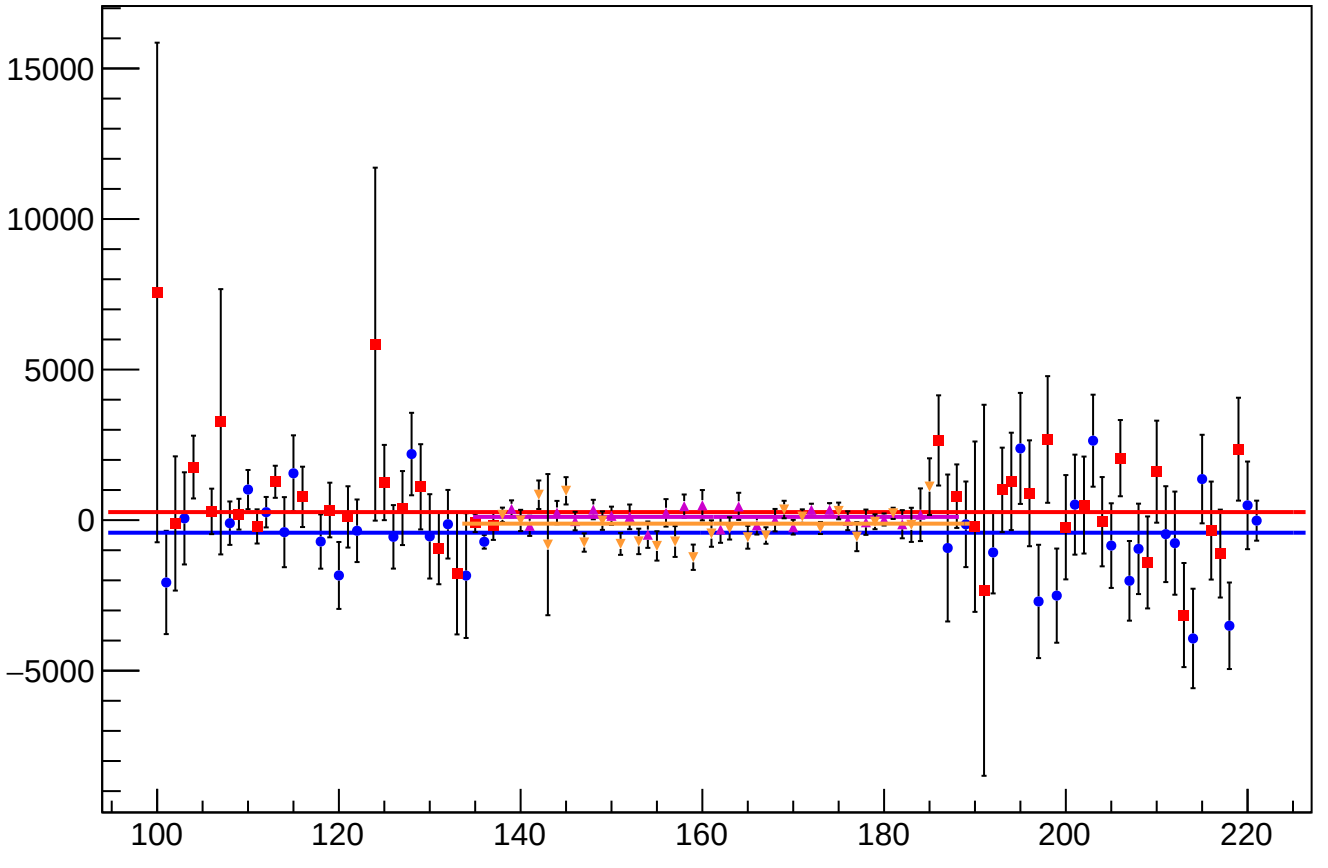
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.958+/-0.139 χ^2/NDF: 1060124.8/70

In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.974+/-0.100 χ^2/NDF: 1324913.3/11



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: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

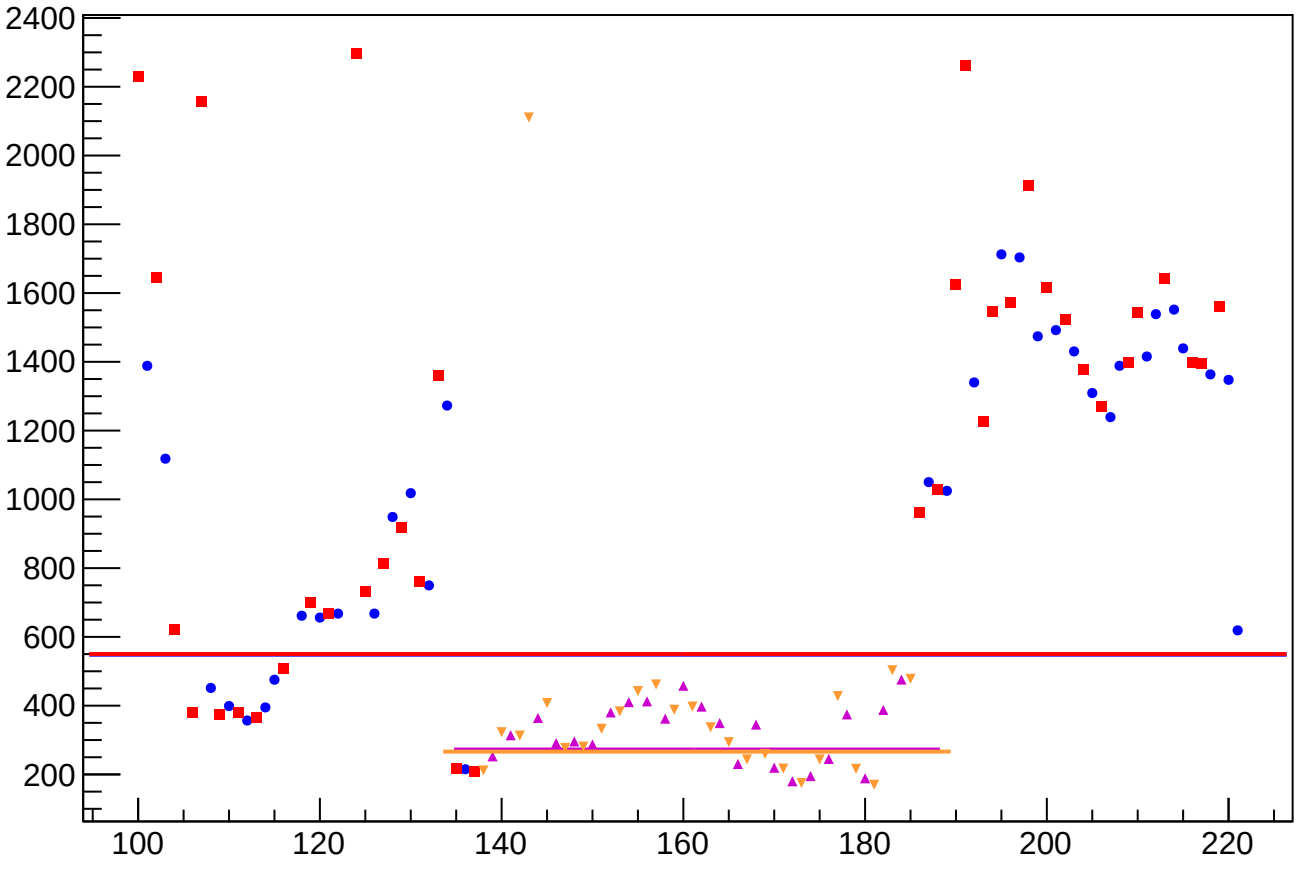
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -86.363+/-107.512 χ^2/NDF: 81.1/70

In: 19.757+/-61.157 χ^2/NDF:65.3/56

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.488+/-42.815 χ^2/NDF: 149.5/118



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: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

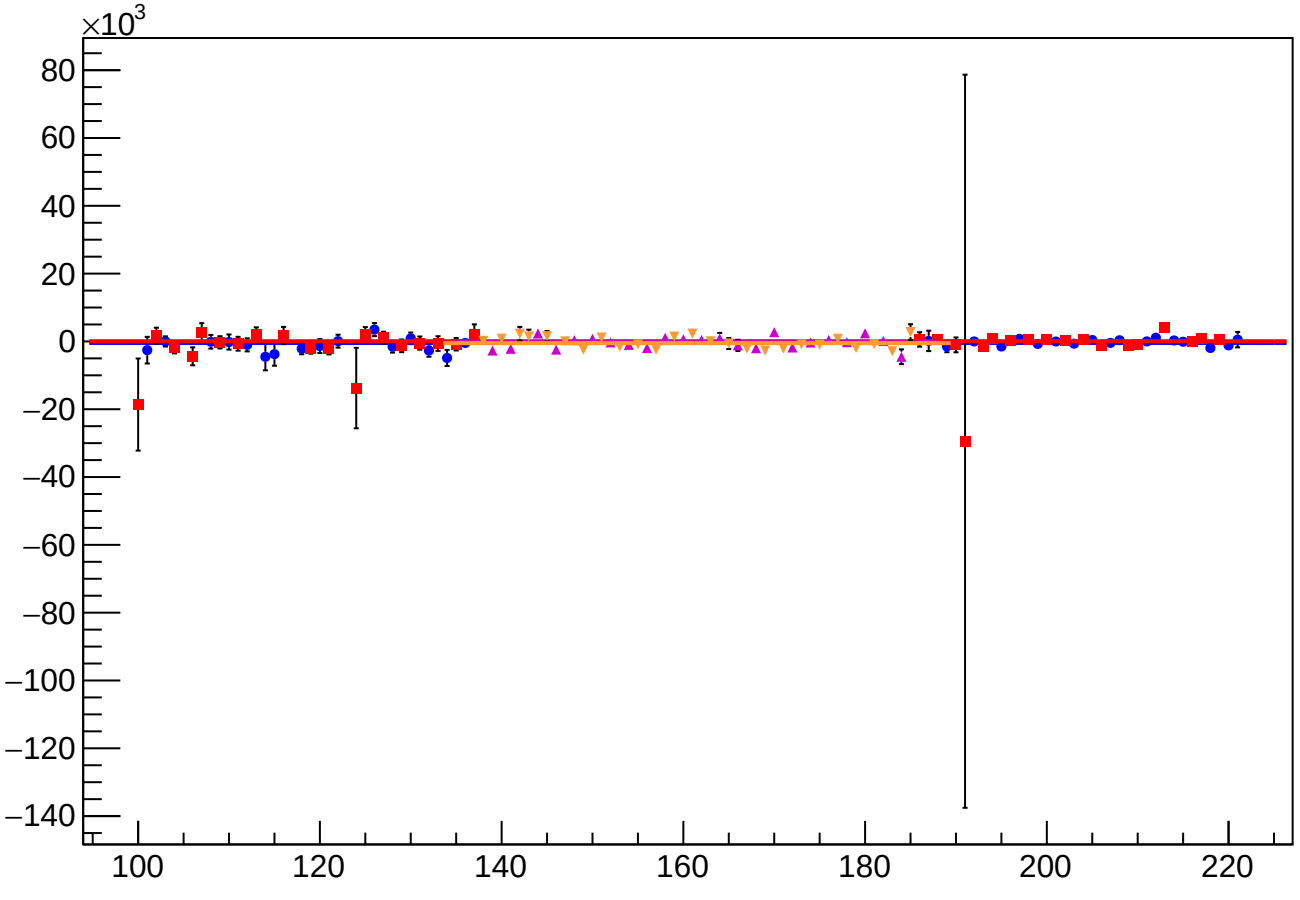
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 549.162+/-0.076 χ^2/NDF: 33131146.4/70

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 313.653+/-0.030 χ^2/NDF: 52063057.8/11



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: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

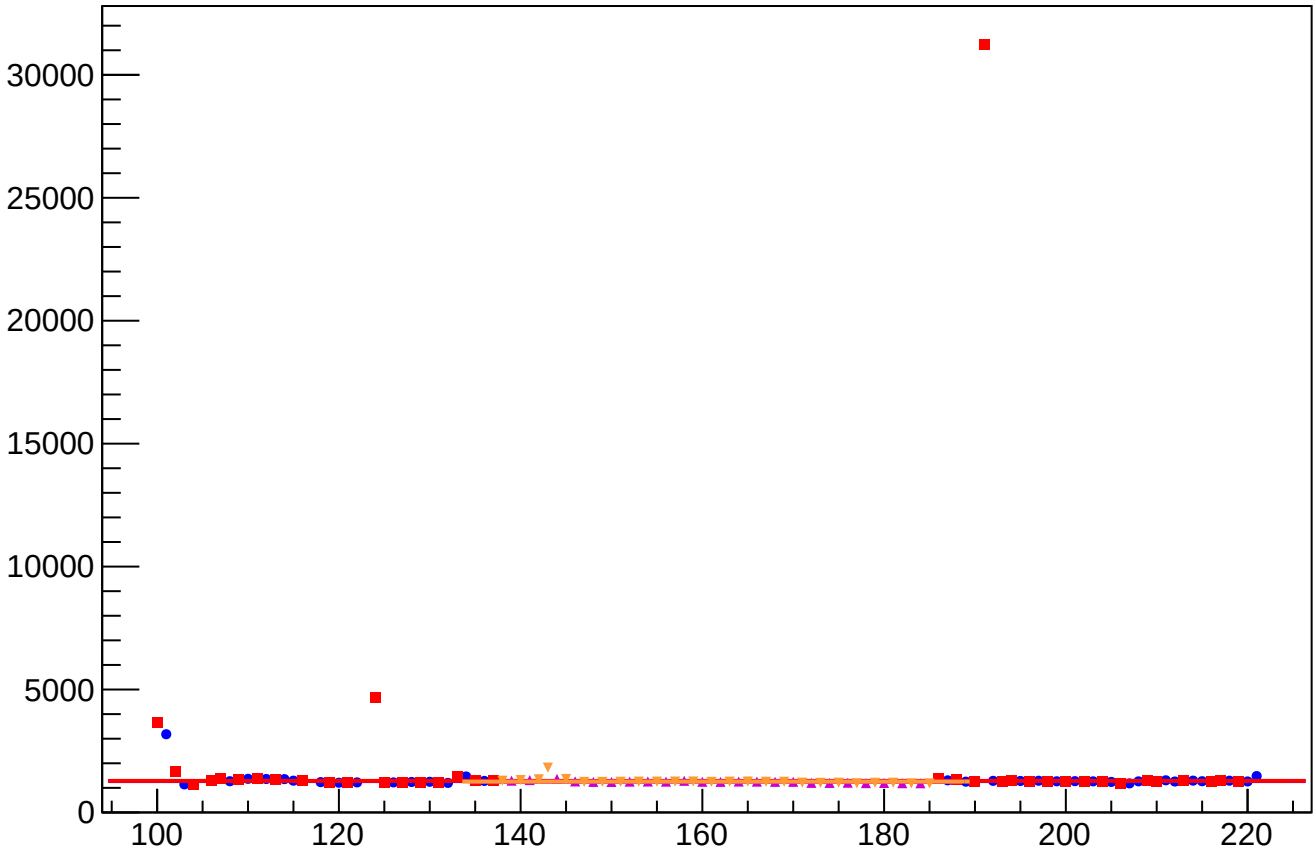
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -195.727+/-197.262 χ^2/NDF: 51.9/70

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -285.249+/-141.812 χ^2/NDF: 115.7/118



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: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

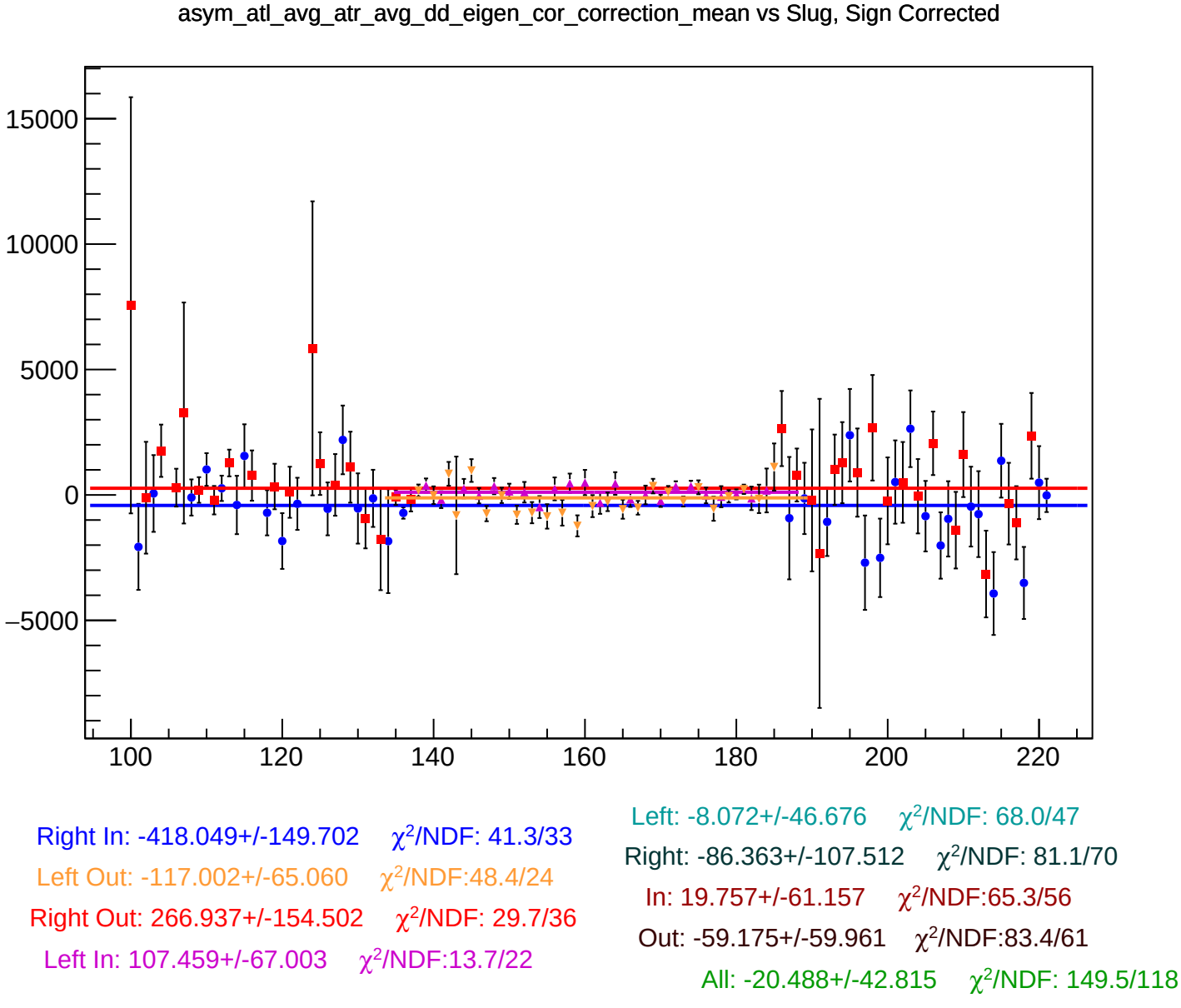
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.958+/-0.139 χ^2/NDF: 1060124.8/70

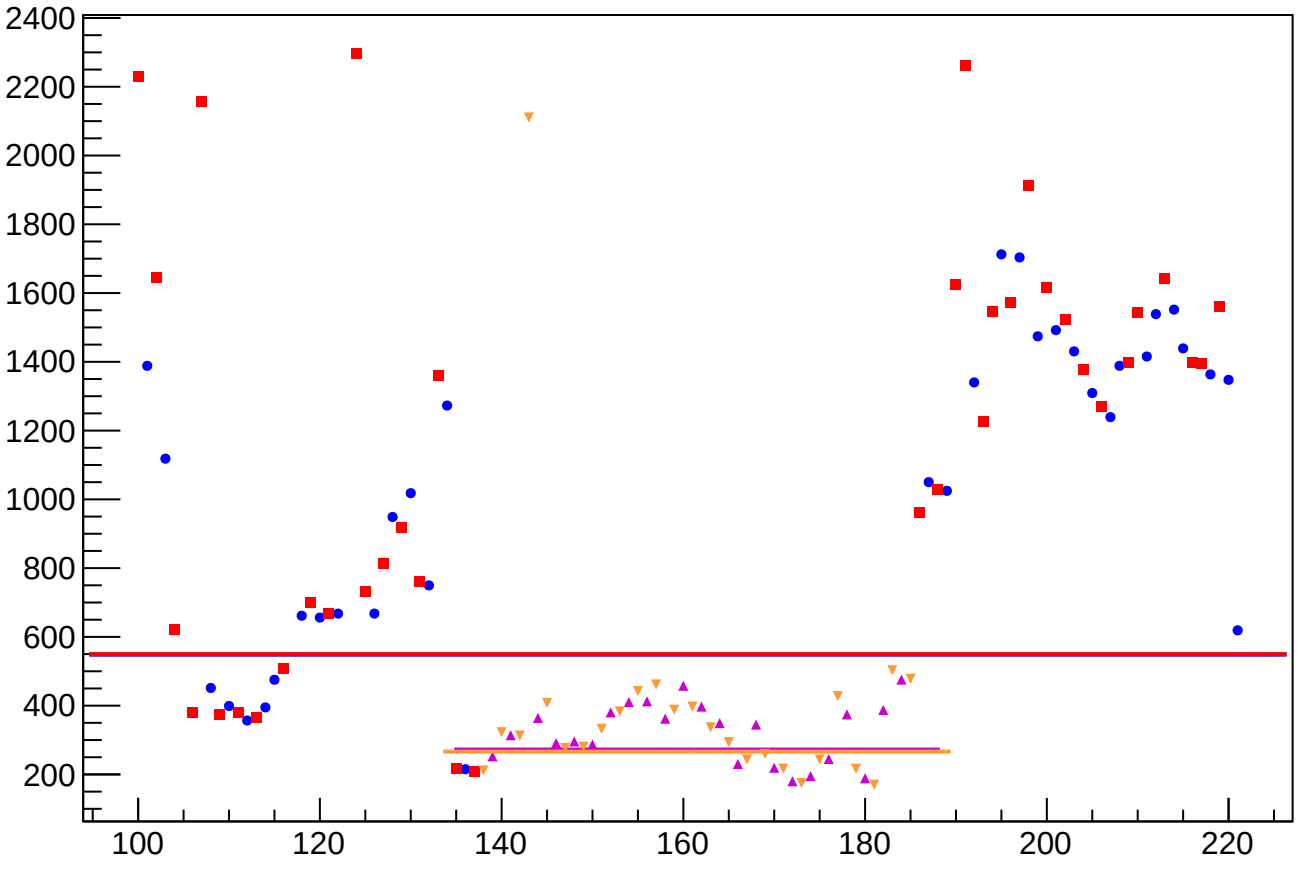
In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.974+/-0.100 χ^2/NDF: 1324913.3/11


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: 266.937+/-154.502 χ²/NDF: 29.7/36
Left In: 107.459+/-67.003 χ²/NDF:13.7/22
Left: -8.072+/-46.676 χ²/NDF: 68.0/47
Right: -86.363+/-107.512 χ²/NDF: 81.1/70
In: 19.757+/-61.157 χ²/NDF:65.3/56
Out: -59.175+/-59.961 χ²/NDF:83.4/61
All: -20.488+/-42.815 χ²/NDF: 149.5/118

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: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

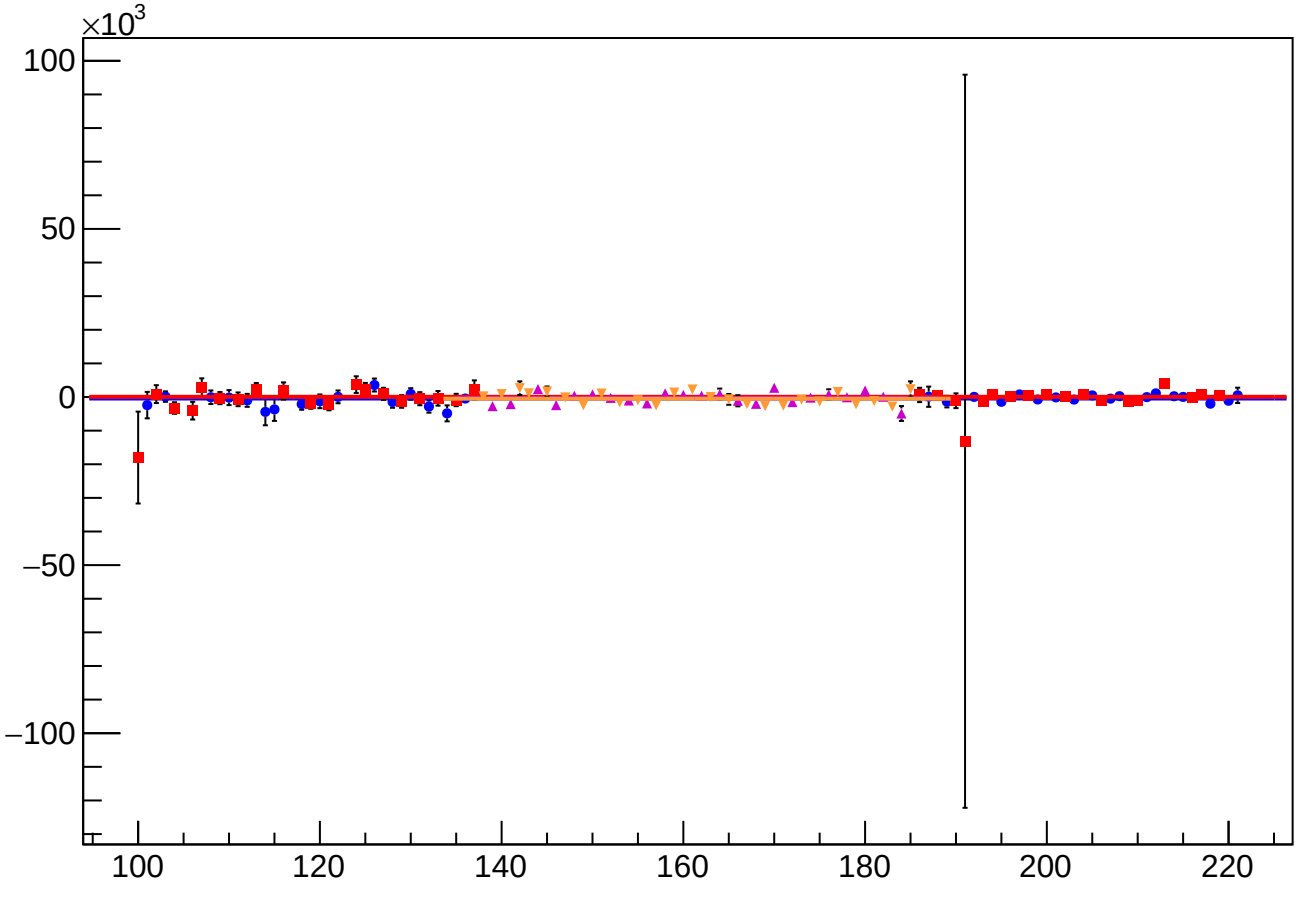
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 549.162+/-0.076 χ^2/NDF: 33131146.4/70

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 313.653+/-0.030 χ^2/NDF: 52063057.8/1



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: 62.295+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

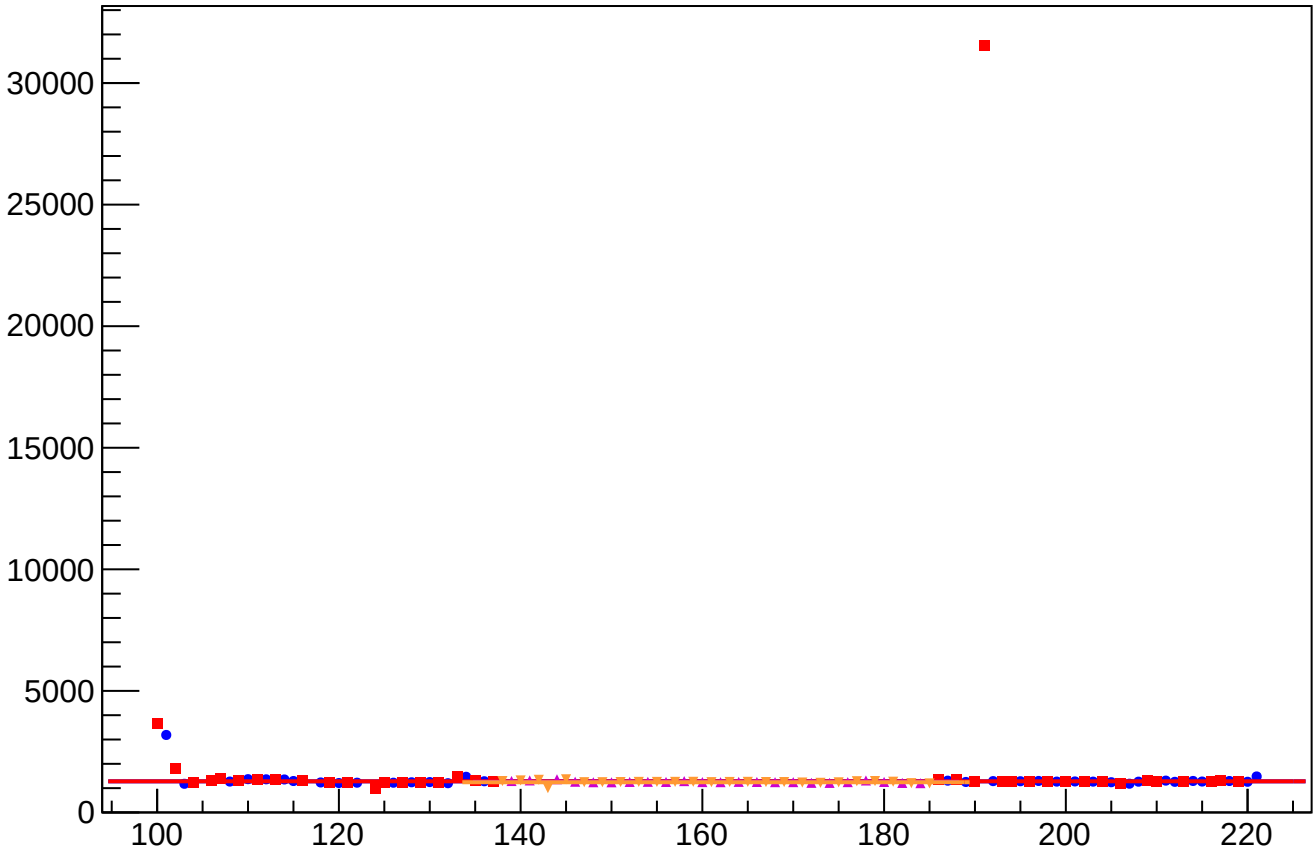
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -190.883+/-197.365 χ^2/NDF: 53.8/70

In: -346.637+/-202.100 χ^2/NDF:50.9/56

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -278.866+/-141.813 χ^2/NDF: 119.5/118



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: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

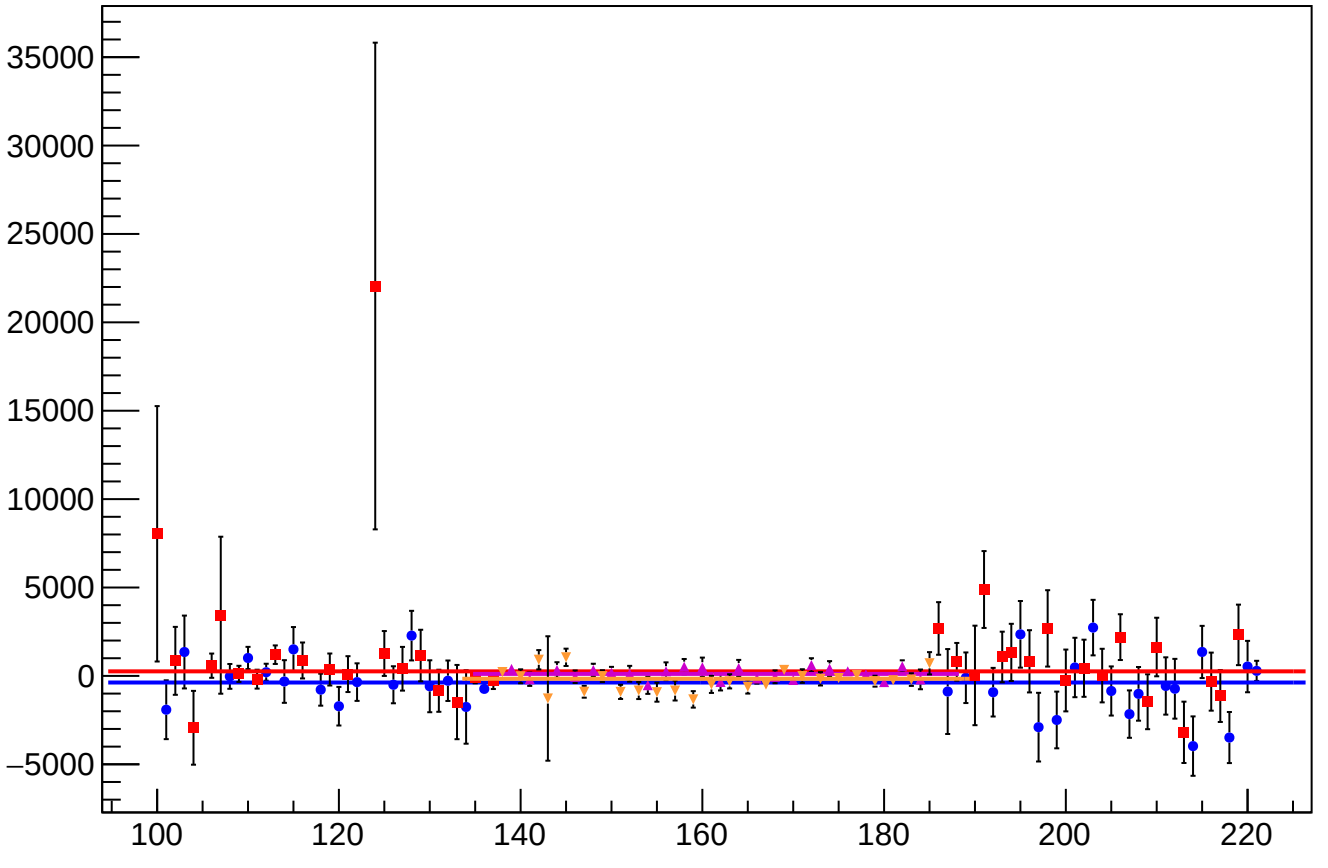
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1280.694+/-0.140 χ^2/NDF: 932083.3/70

In: 1270.550+/-0.143 χ^2/NDF:575695.4/56

Out: 1262.203+/-0.141 χ^2/NDF:538263.1/61

All: 1266.313+/-0.100 χ^2/NDF: 1115690.5/11



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: 257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

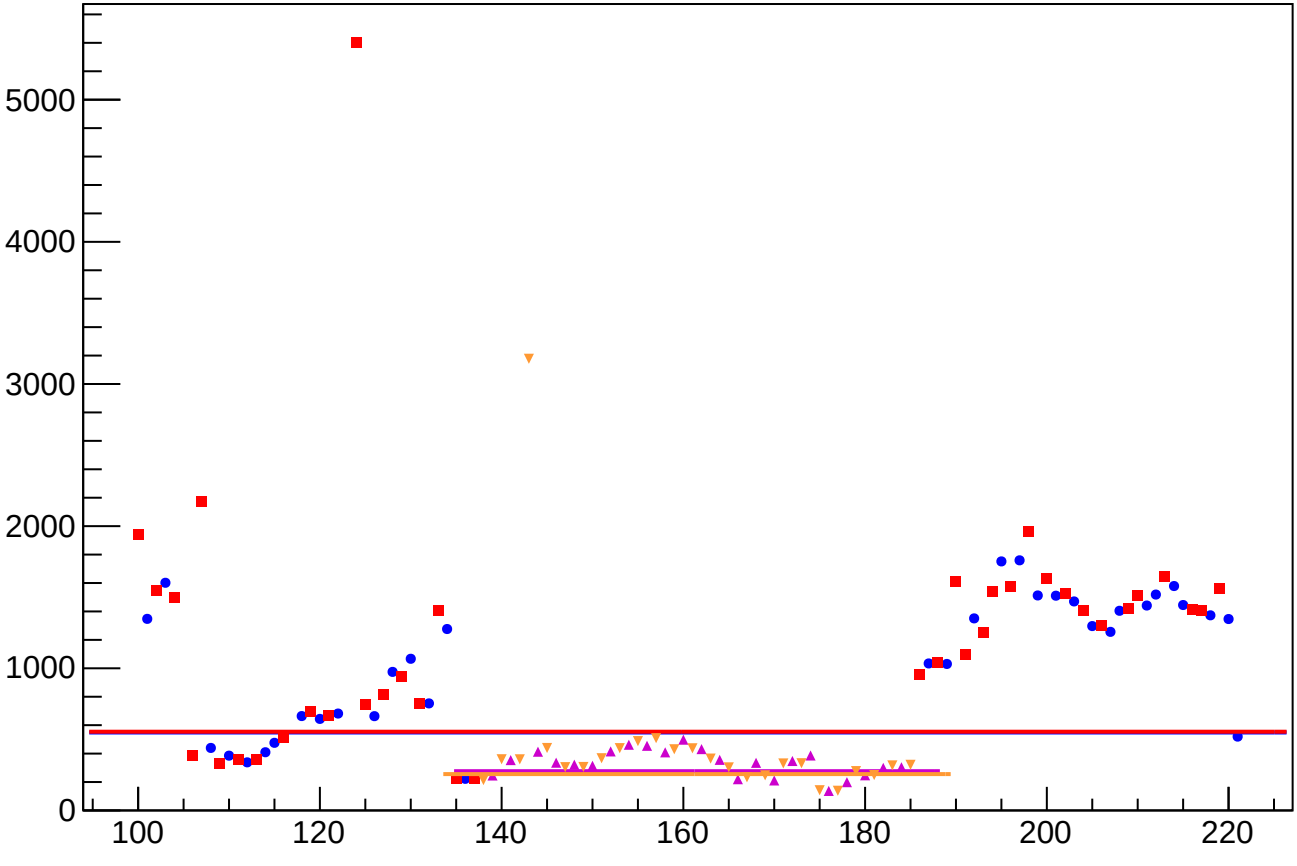
Right: -67.979+/-107.559 χ^2/NDF: 87.9/70

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -99.445+/-59.237 χ^2/NDF:86.5/61

All: -38.858+/-43.010 χ^2/NDF: 158.5/118

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: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

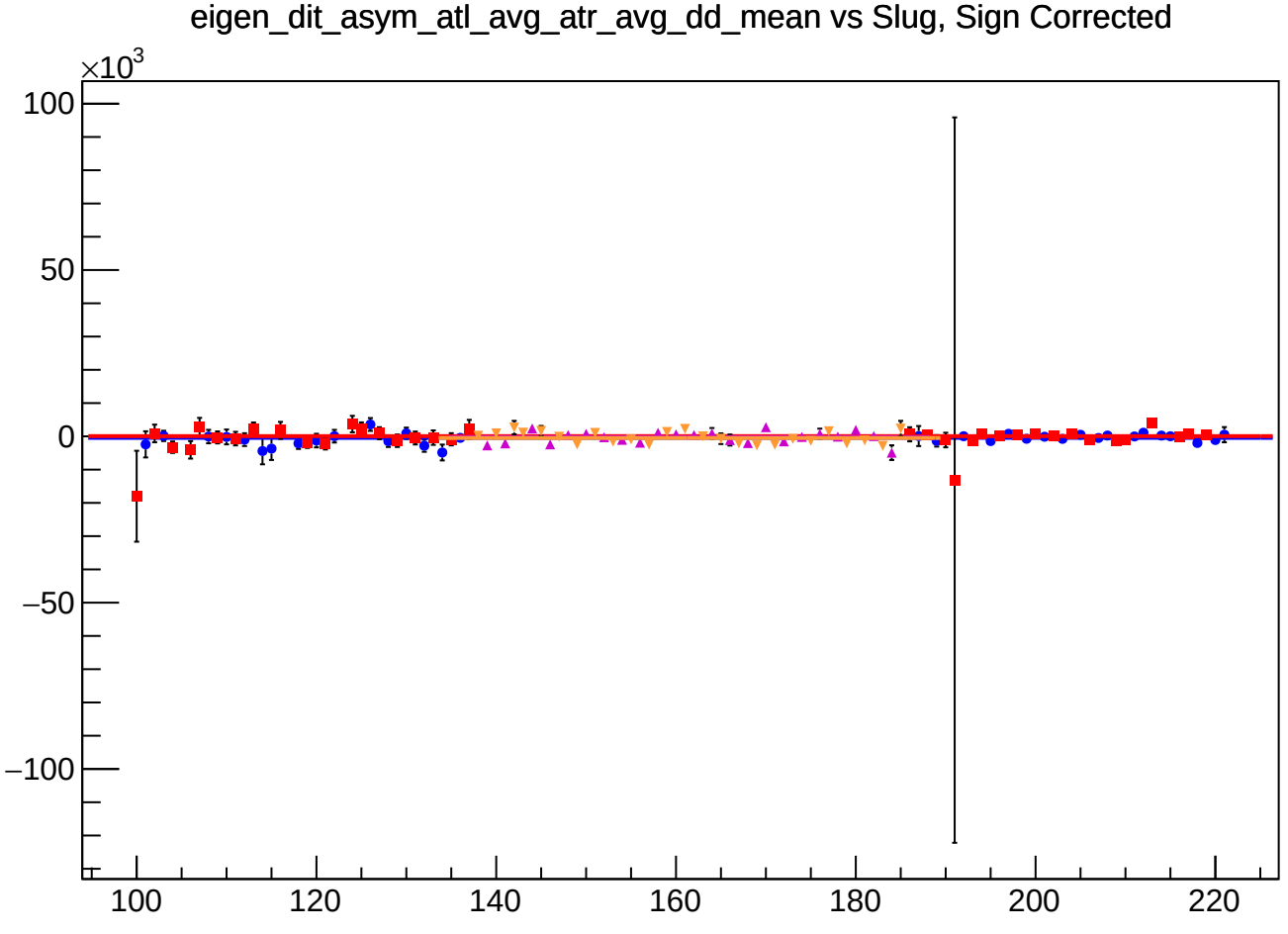
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 551.117+/-0.076 χ^2/NDF: 33748160.1/70

In: 323.777+/-0.044 χ^2/NDF:26170465.3/56

Out: 299.554+/-0.042 χ^2/NDF:29779900.1/61

All: 311.008+/-0.030 χ^2/NDF: 56108493.8/11



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: 62.294+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

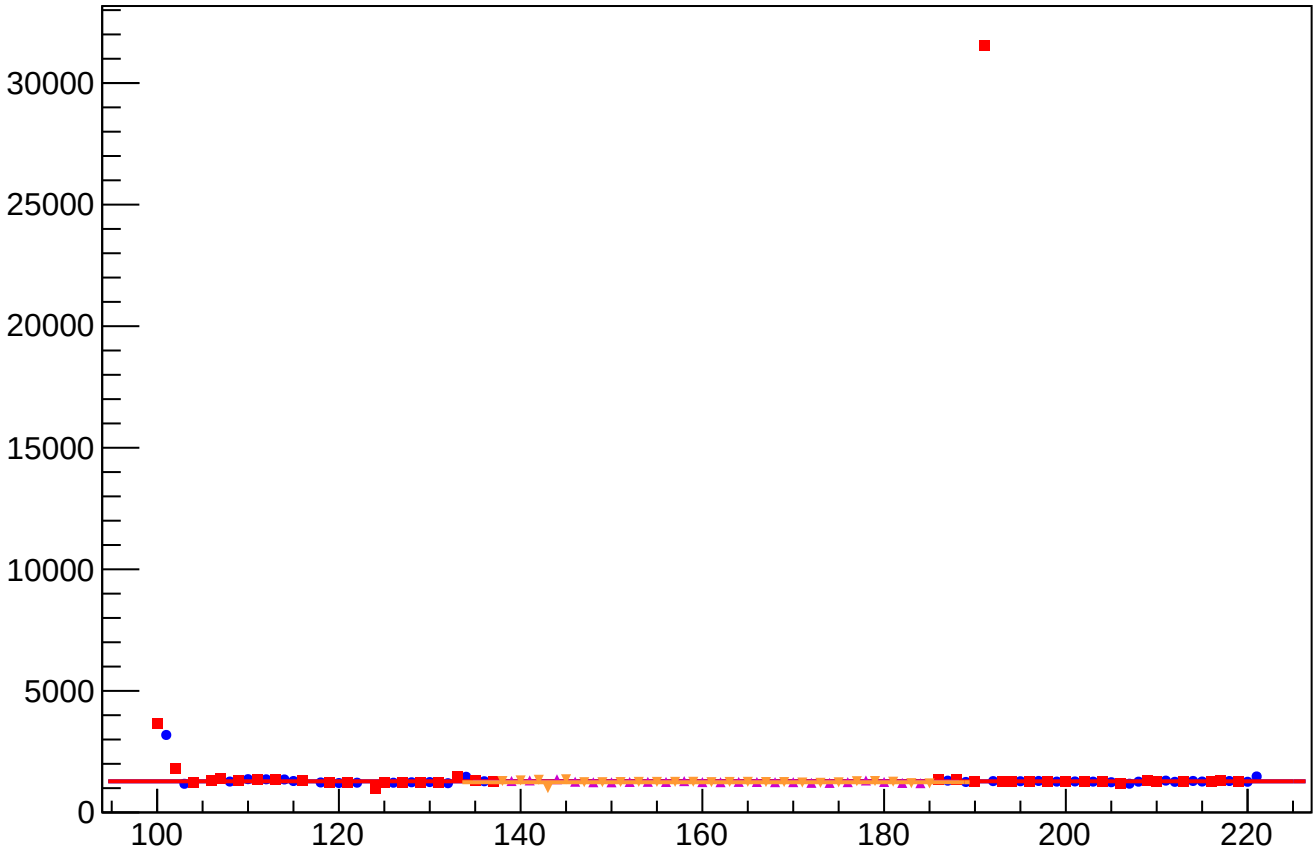
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -190.882+/-197.365 χ^2/NDF: 53.8/70

In: -346.635+/-202.100 χ^2/NDF:50.9/56

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -278.865+/-141.813 χ^2/NDF: 119.5/118



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: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

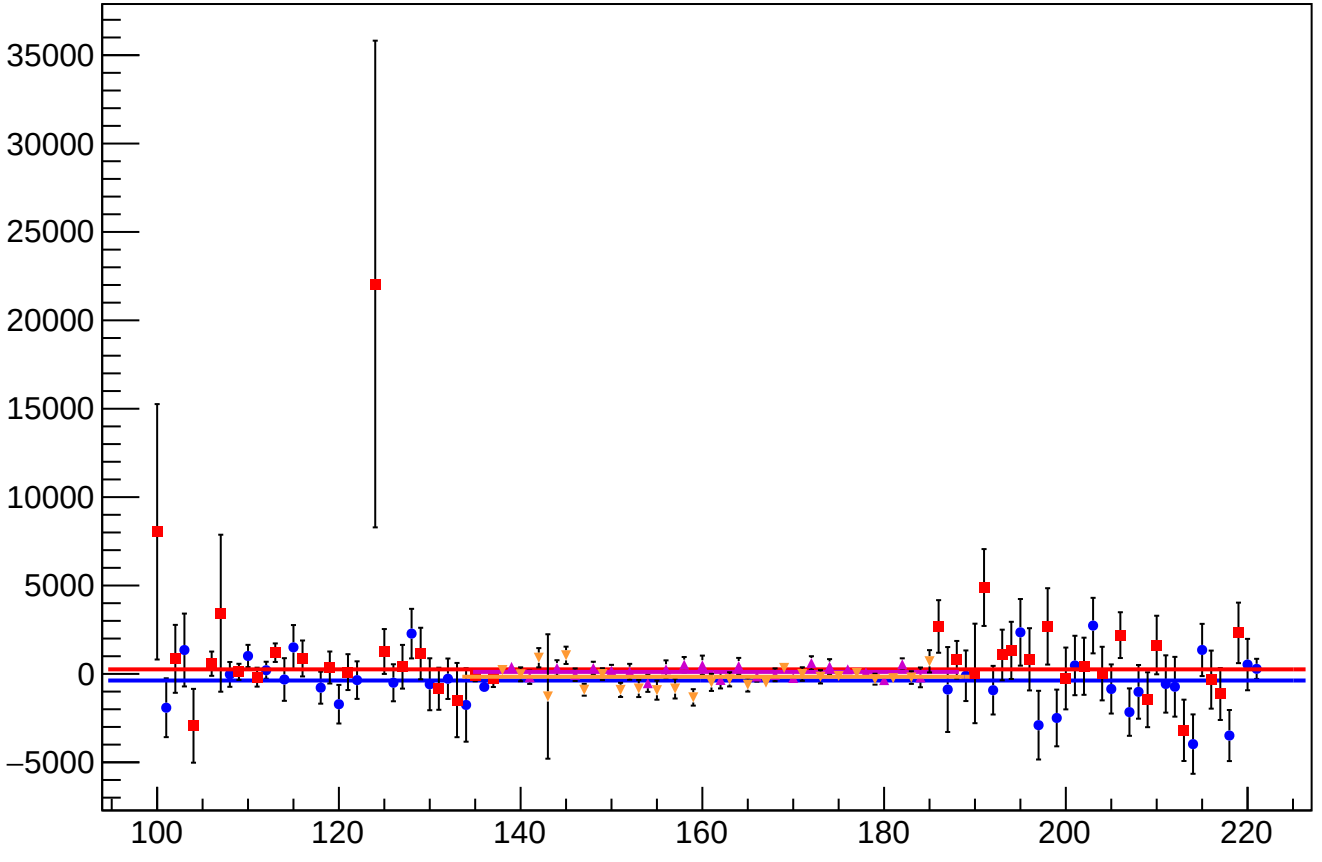
Right: 1280.694+/-0.140 χ^2/NDF: 932083.6/70

In: 1270.550+/-0.143 χ^2/NDF:575695.5/56

Out: 1262.203+/-0.141 χ^2/NDF:538262.5/61

All: 1266.313+/-0.100 χ^2/NDF: 1115690.0/11

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: 257.793+/-154.588 χ^2/NDF: 36.5/36

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

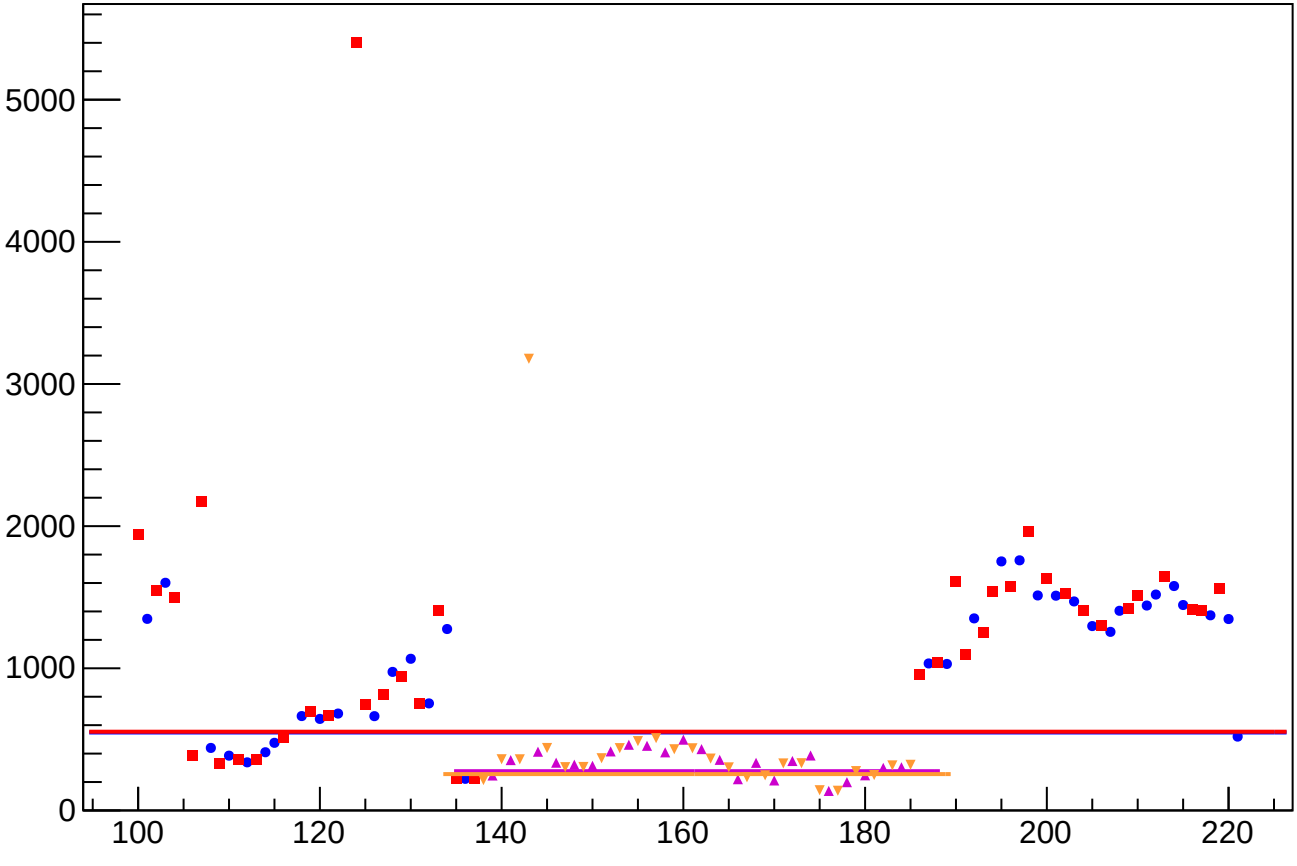
Right: -67.975+/-107.560 χ^2/NDF: 87.9/70

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -99.448+/-59.237 χ^2/NDF:86.5/61

All: -38.860+/-43.010 χ^2/NDF: 158.5/118

asym_atl_avg_atr_avg_dd_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: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

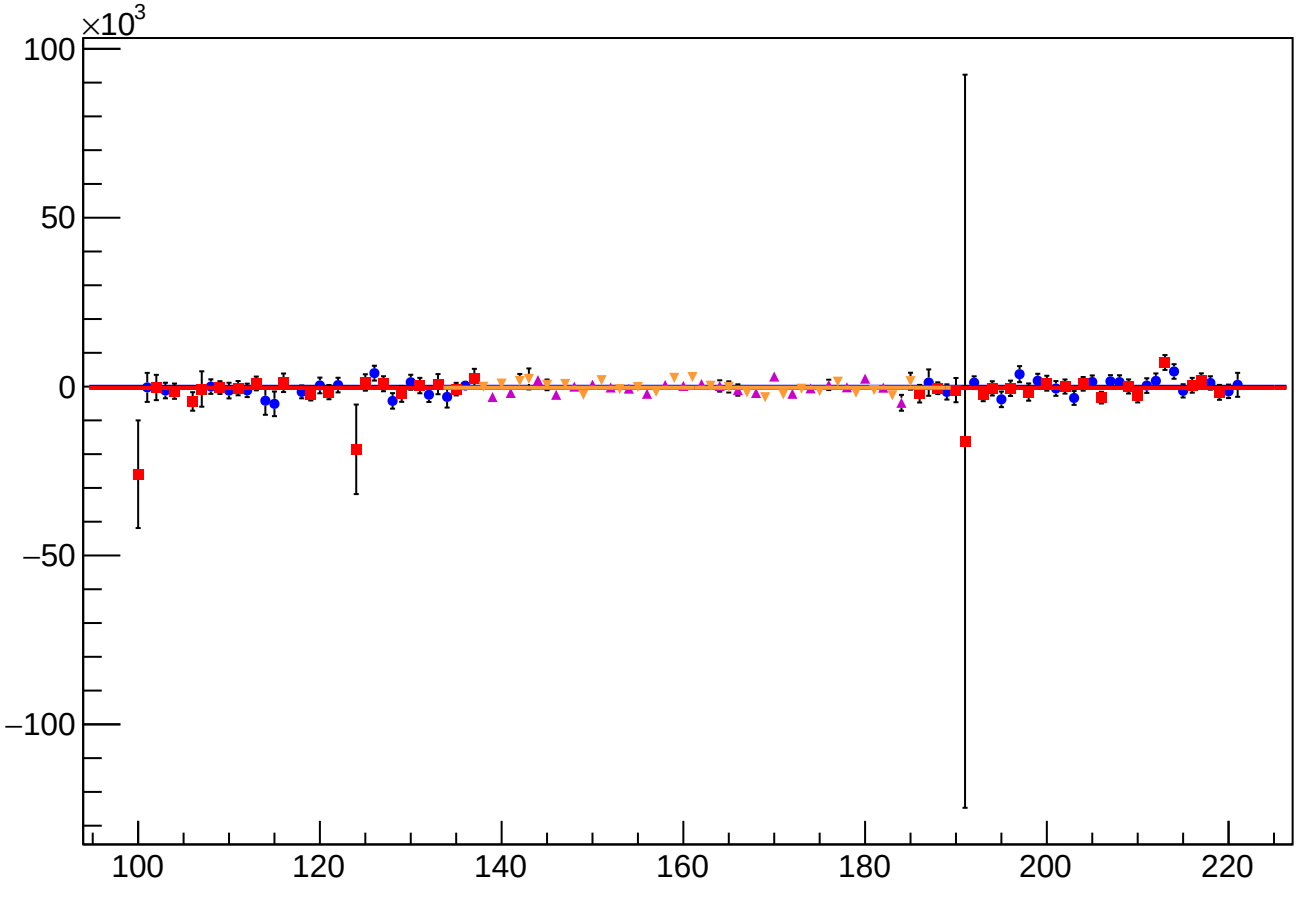
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 551.129+/-0.076 χ^2/NDF: 33747303.1/70

In: 323.779+/-0.044 χ^2/NDF:26170289.7/56

Out: 299.556+/-0.042 χ^2/NDF:29779689.8/61

All: 311.010+/-0.030 χ^2/NDF: 56108101.0/11



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: -416.568+/-383.461 χ^2/NDF: 31.1/36

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

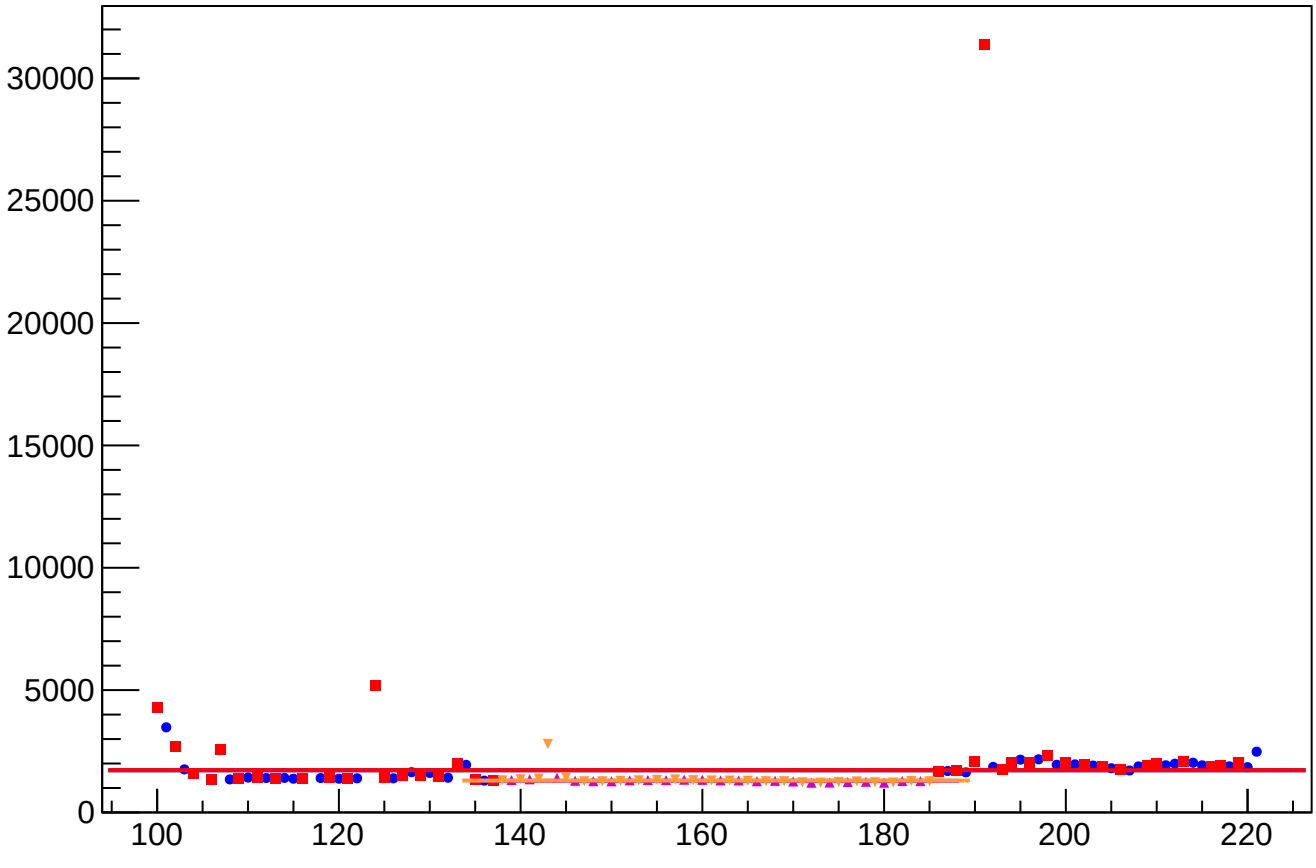
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -229.418+/-269.056 χ^2/NDF: 62.6/70

In: -236.106+/-235.803 χ^2/NDF:61.1/56

Out: -356.243+/-235.434 χ^2/NDF:62.7/61

All: -296.268+/-166.607 χ^2/NDF: 123.9/118



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: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

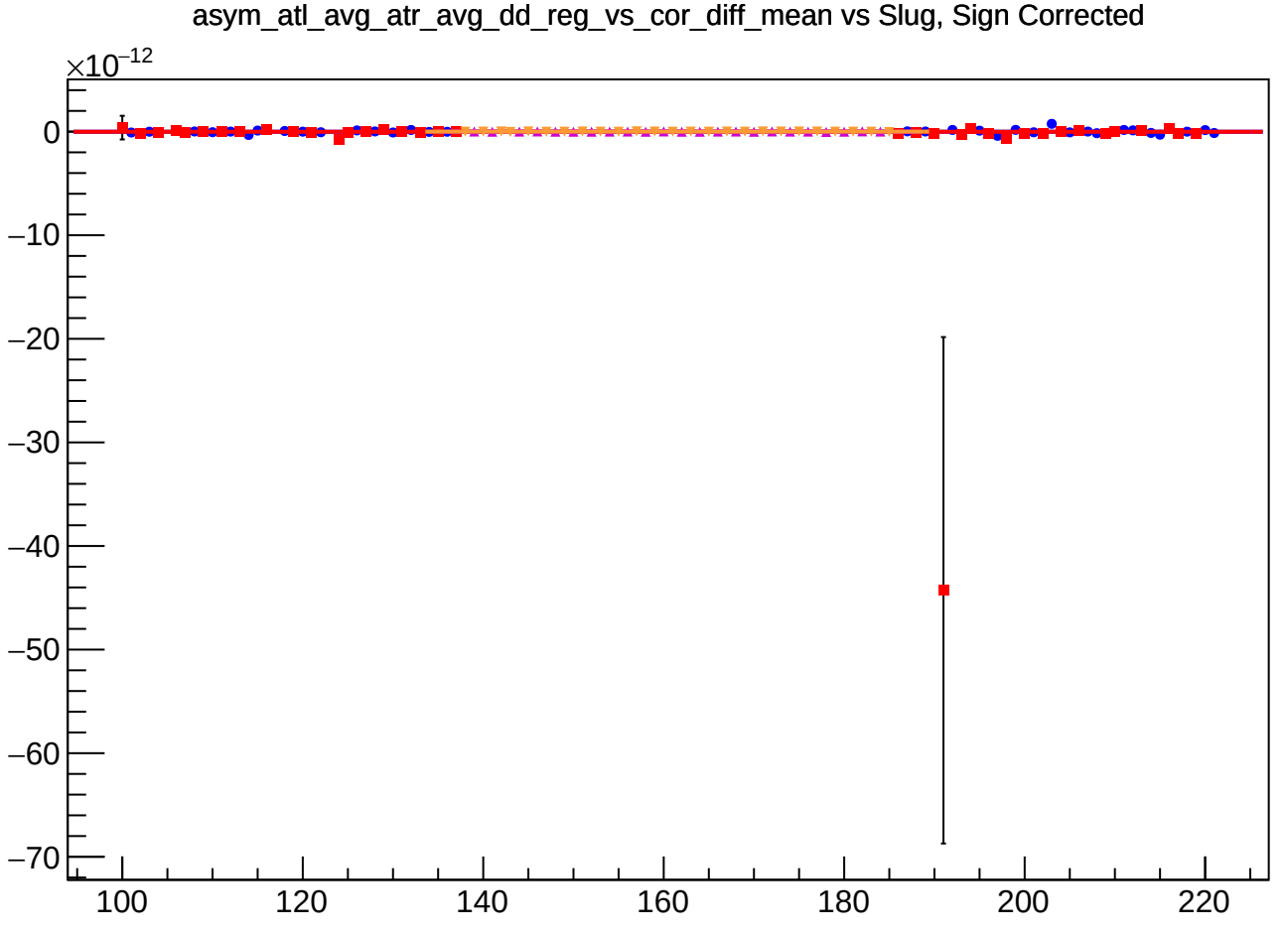
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1725.794+/-0.190 χ^2/NDF: 2974241.9/70

In: 1459.811+/-0.167 χ^2/NDF:3030274.5/56

Out: 1464.514+/-0.166 χ^2/NDF:3627392.5/61

All: 1462.166+/-0.118 χ^2/NDF: 6658065.4/11



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: 44.4/36

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

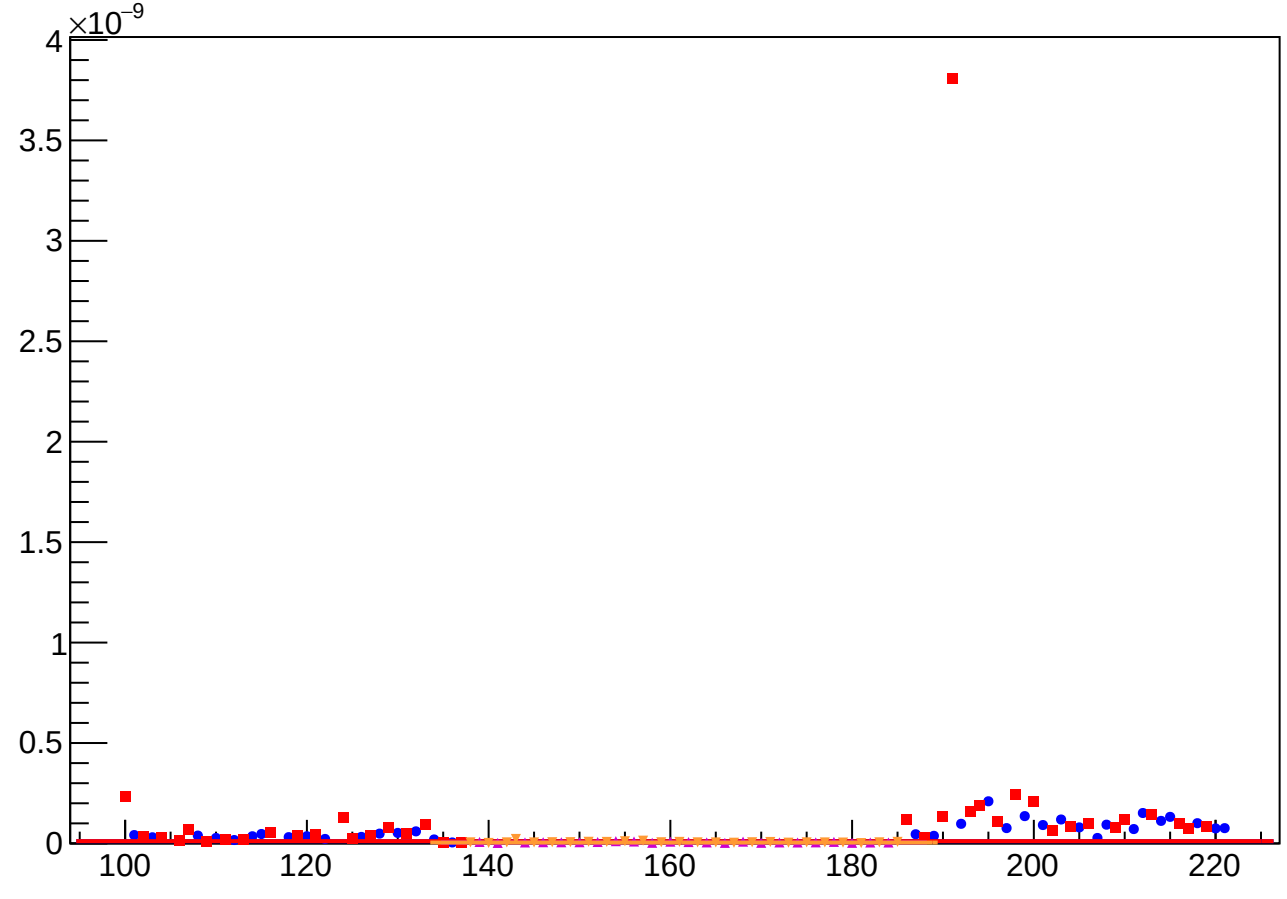
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 80.6/70

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: -0.000+/-0.000 χ^2/NDF:71.7/61

All: -0.000+/-0.000 χ^2/NDF: 139.8/118



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: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

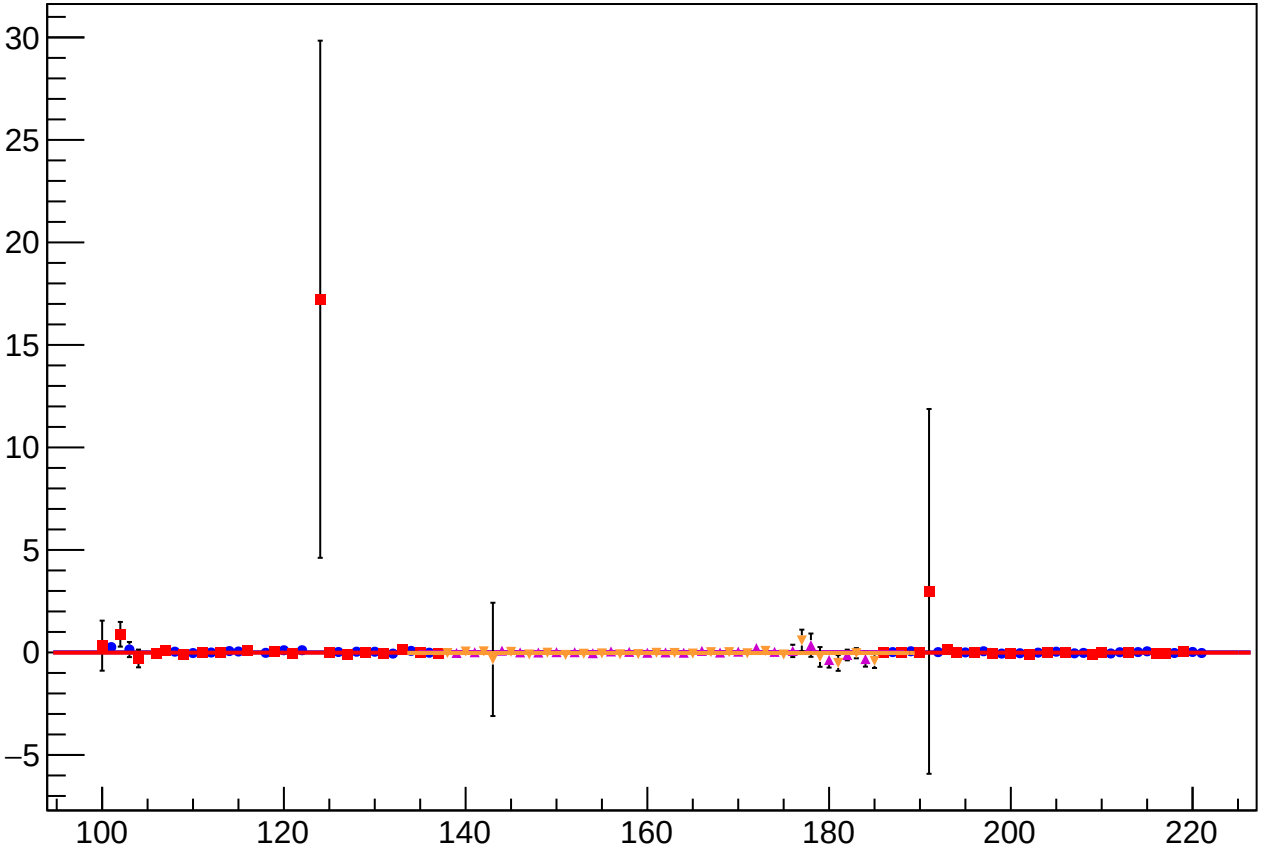
Right: 0.000+/-0.000 χ^2/NDF: 24173720.9/70

In: 0.000+/-0.000 χ^2/NDF:14894856.6/56

Out: 0.000+/-0.000 χ^2/NDF:16800125.4/61

All: 0.000+/-0.000 χ^2/NDF: 31729795.7/118

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: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

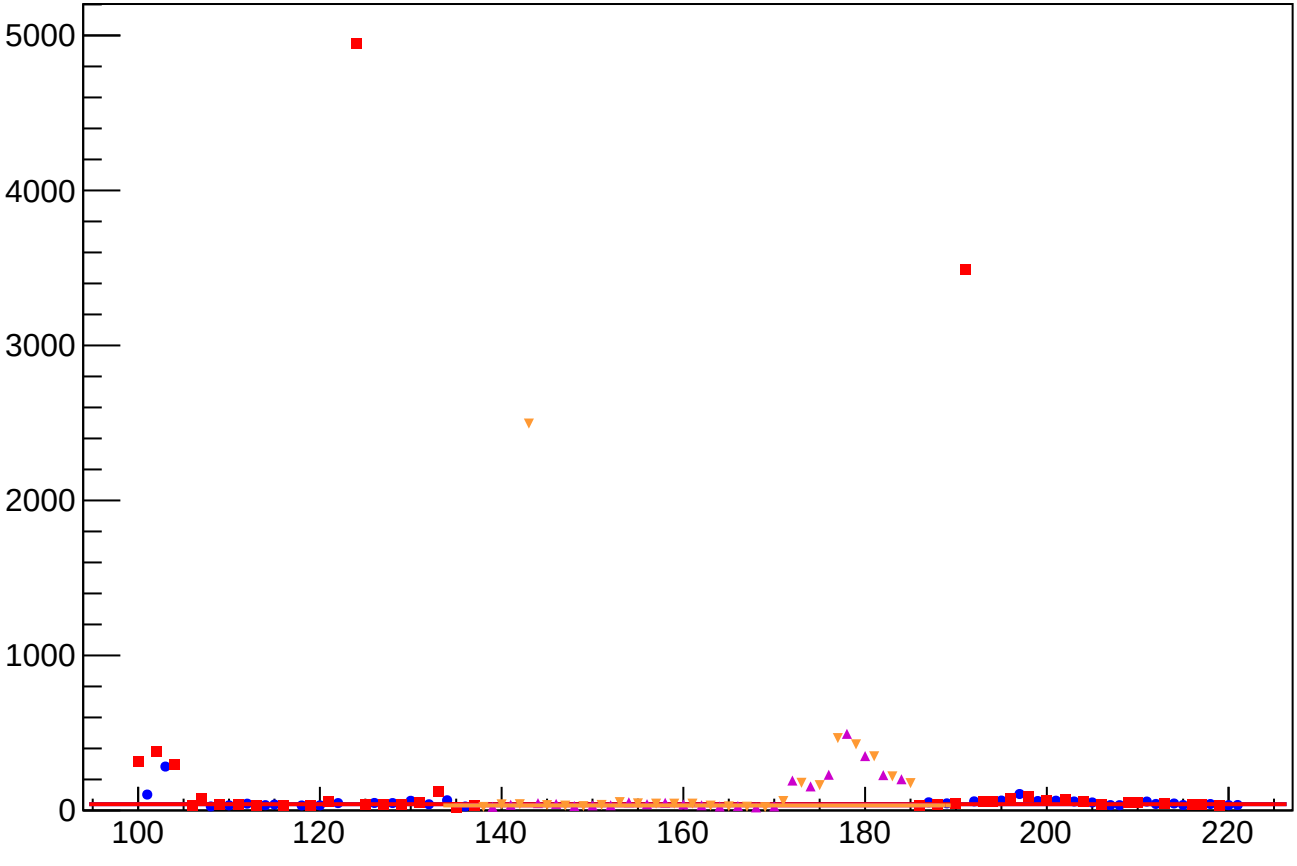
Right: -0.001+/-0.007 χ^2/NDF: 52.1/70

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.2/118

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: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

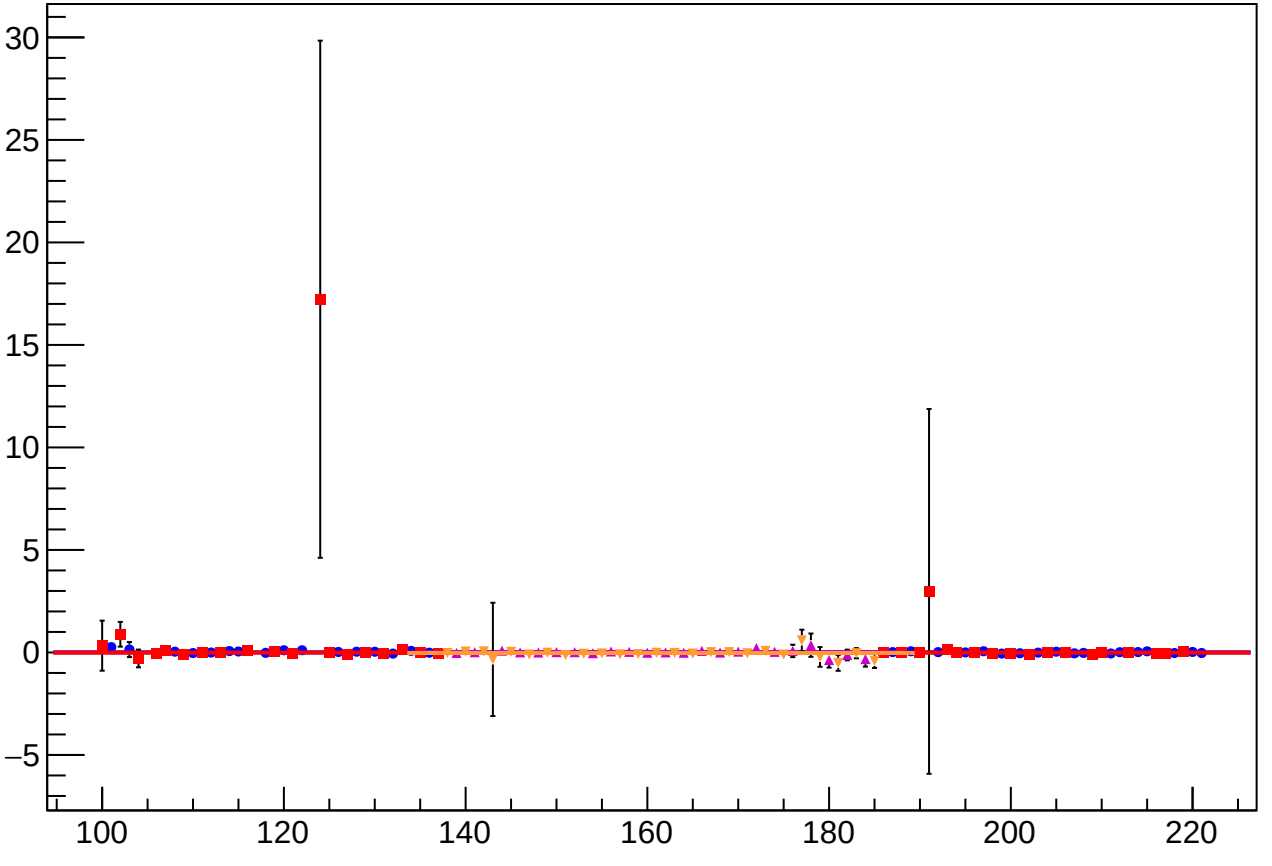
Right: 40.500+/-0.005 χ^2/NDF: 10037214.4/70

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.392+/-0.003 χ^2/NDF: 31175128.3/118

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: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

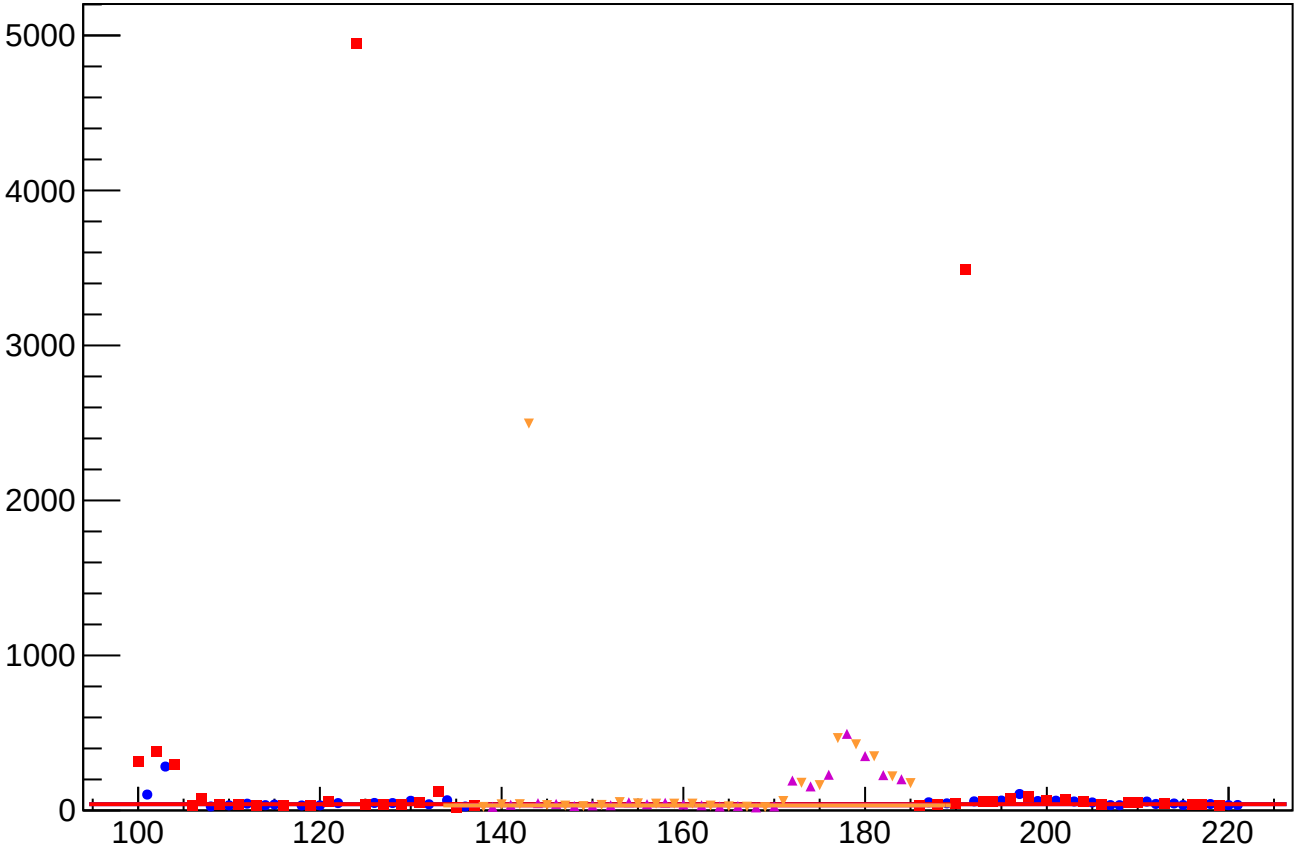
Right: -0.001+/-0.007 χ^2/NDF: 52.1/70

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.2/118

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: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

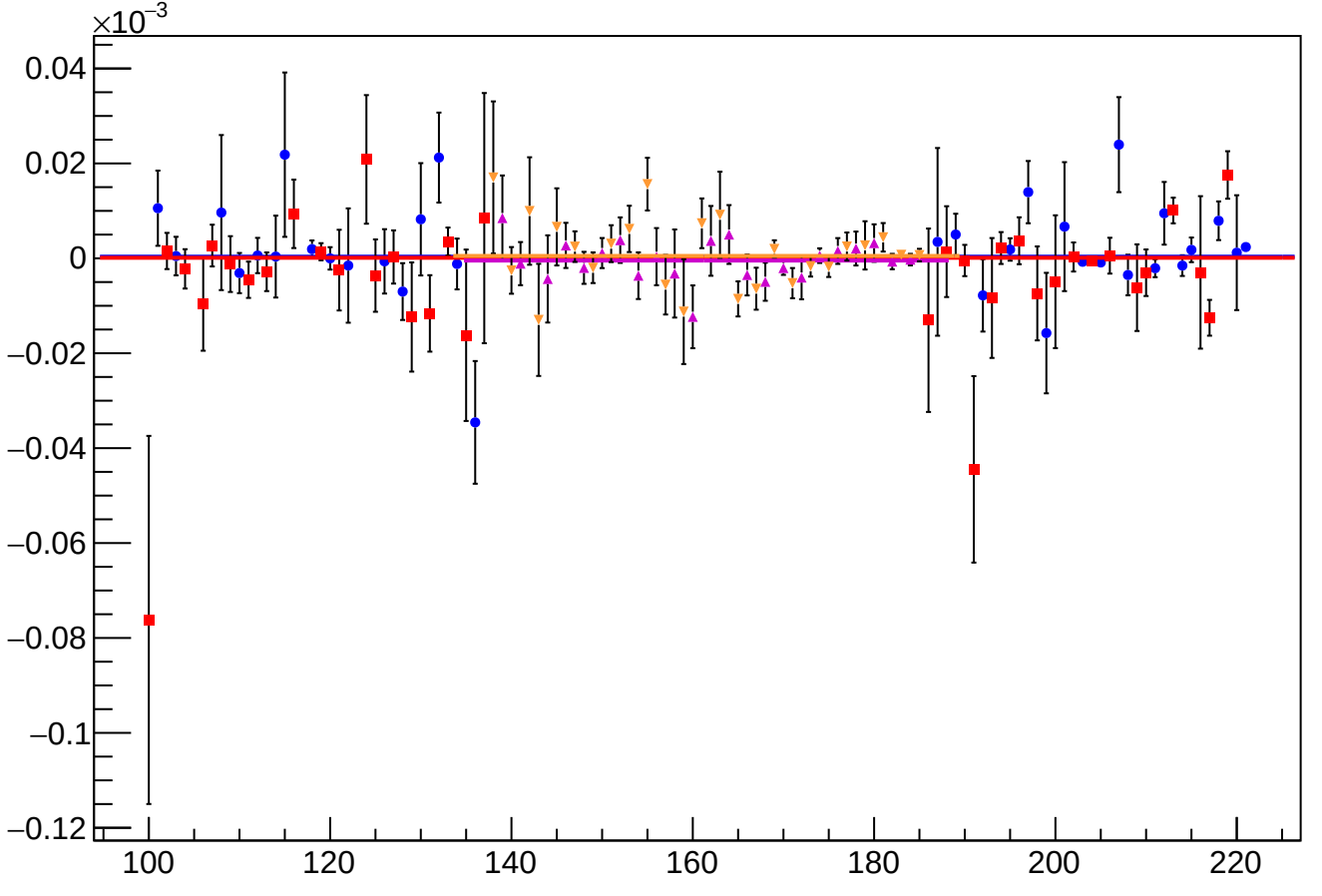
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.500+/-0.005 χ^2/NDF: 10037214.4/70

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.392+/-0.003 χ^2/NDF: 31175128.3/118



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: 64.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

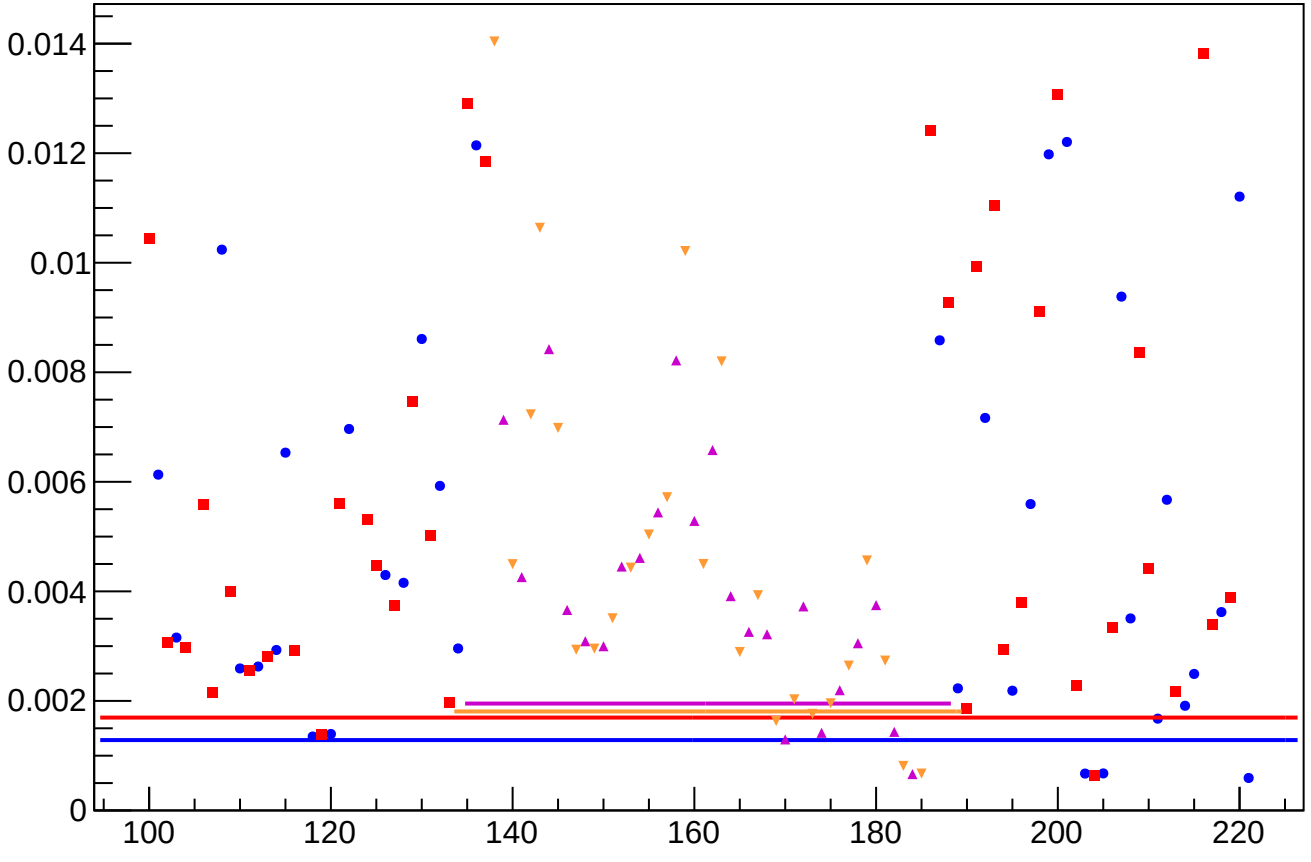
Right: 0.000+/-0.000 χ^2/NDF: 114.9/70

In: 0.000+/-0.000 χ^2/NDF:65.4/56

Out: 0.000+/-0.000 χ^2/NDF:100.3/61

All: 0.000+/-0.000 χ^2/NDF: 165.9/118

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: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

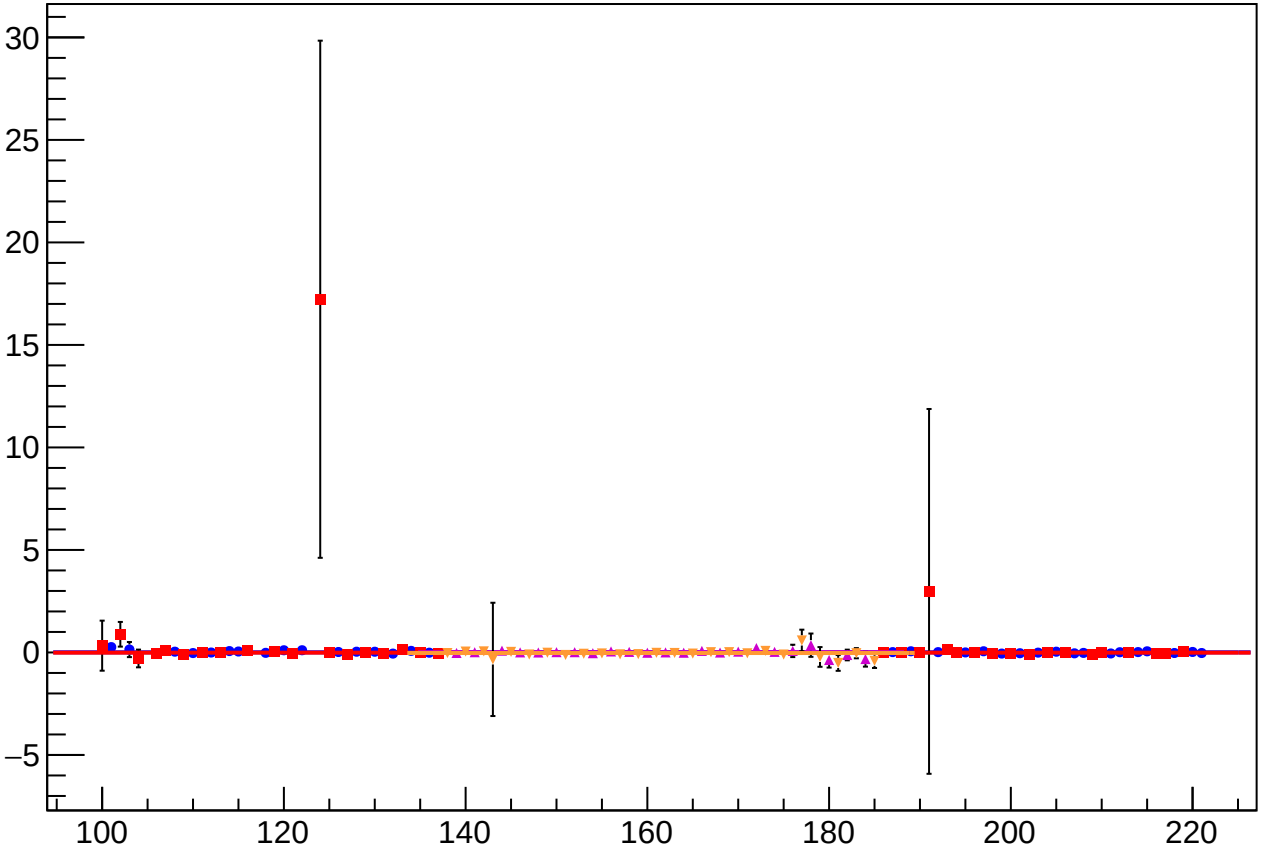
Right: 0.001+/-0.000 χ^2/NDF: 40461944.2/70

In: 0.002+/-0.000 χ^2/NDF:33673137.3/56

Out: 0.002+/-0.000 χ^2/NDF:34225655.4/61

All: 0.002+/-0.000 χ^2/NDF: 68334524.4/118

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: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

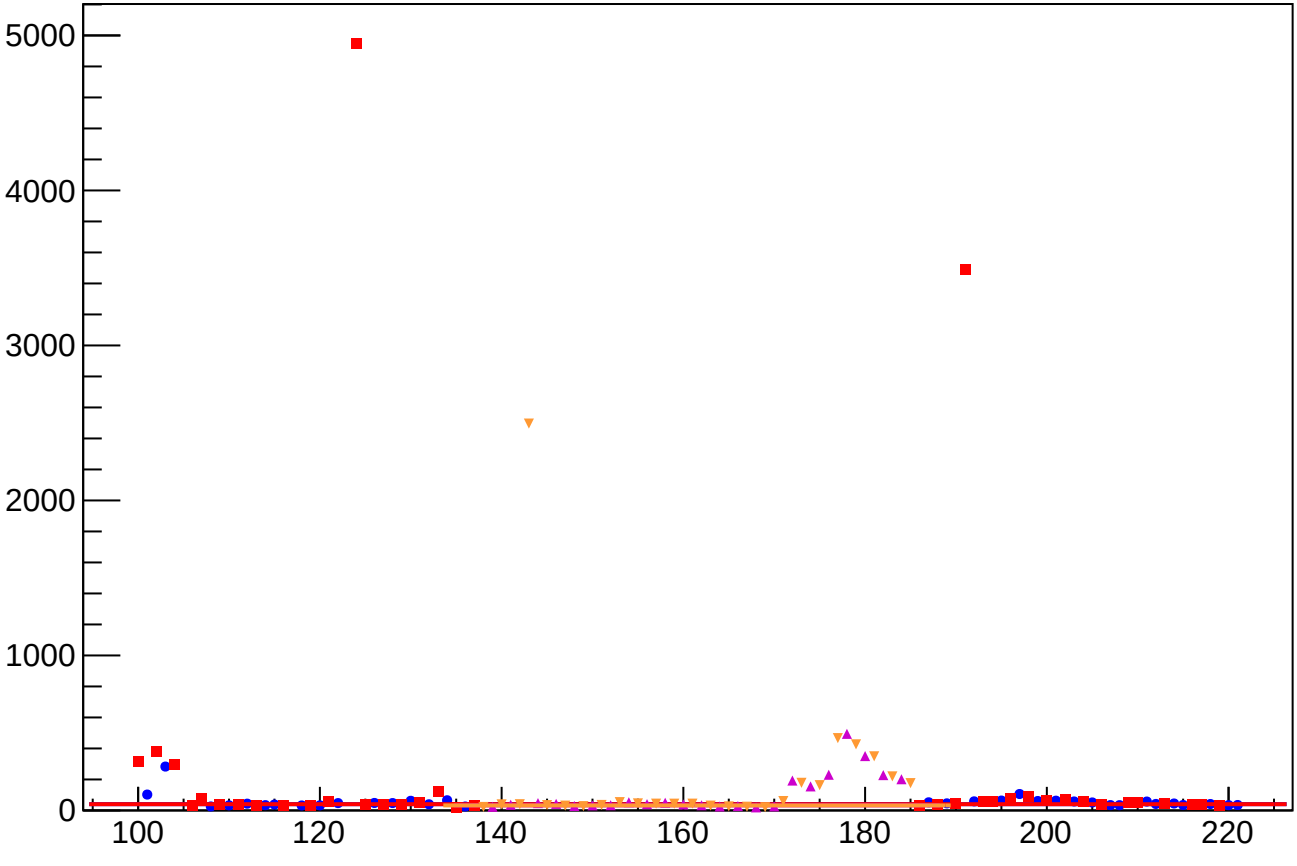
Right: -0.001+/-0.007 χ^2/NDF: 52.1/70

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.2/118

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: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

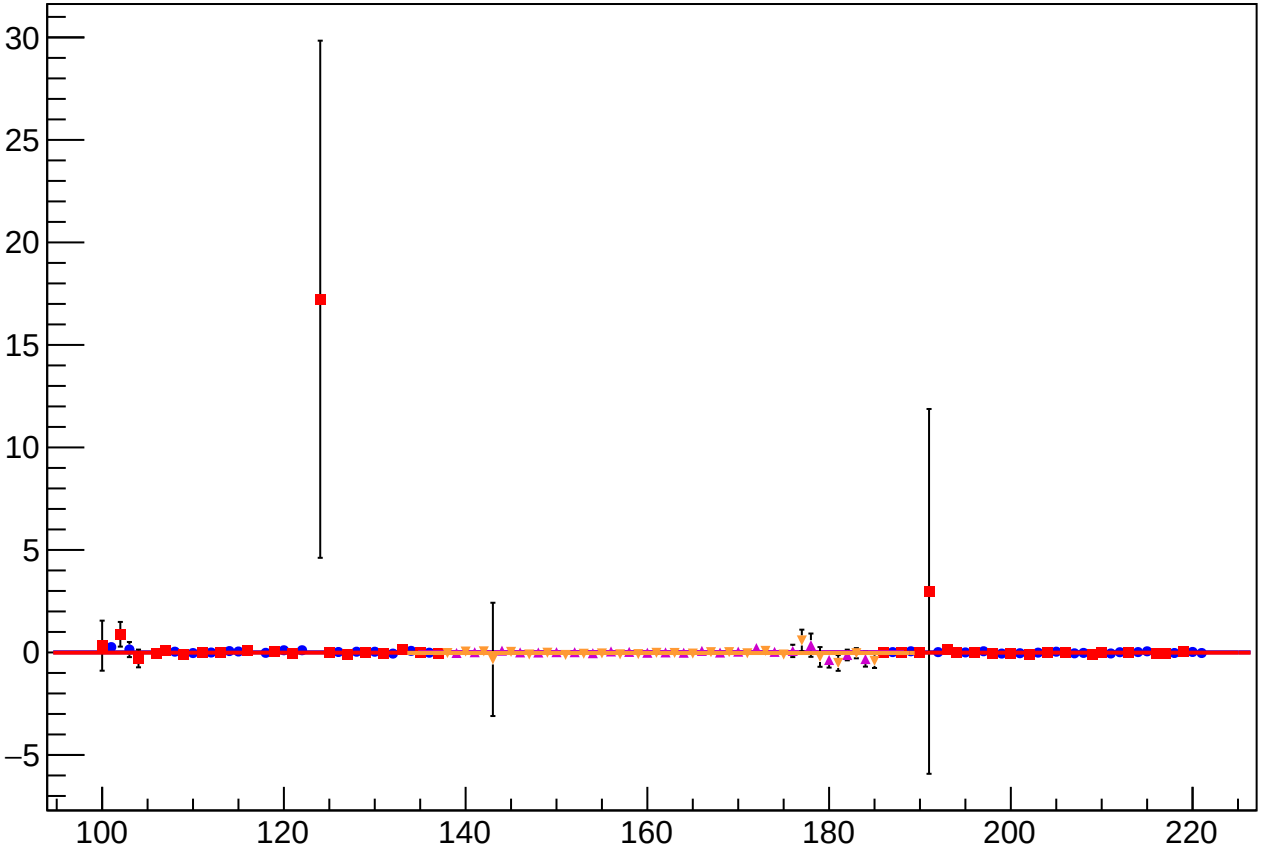
Right: 40.500+/-0.005 χ^2/NDF: 10036587.0/70

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.392+/-0.003 χ^2/NDF: 31175711.8/118

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: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

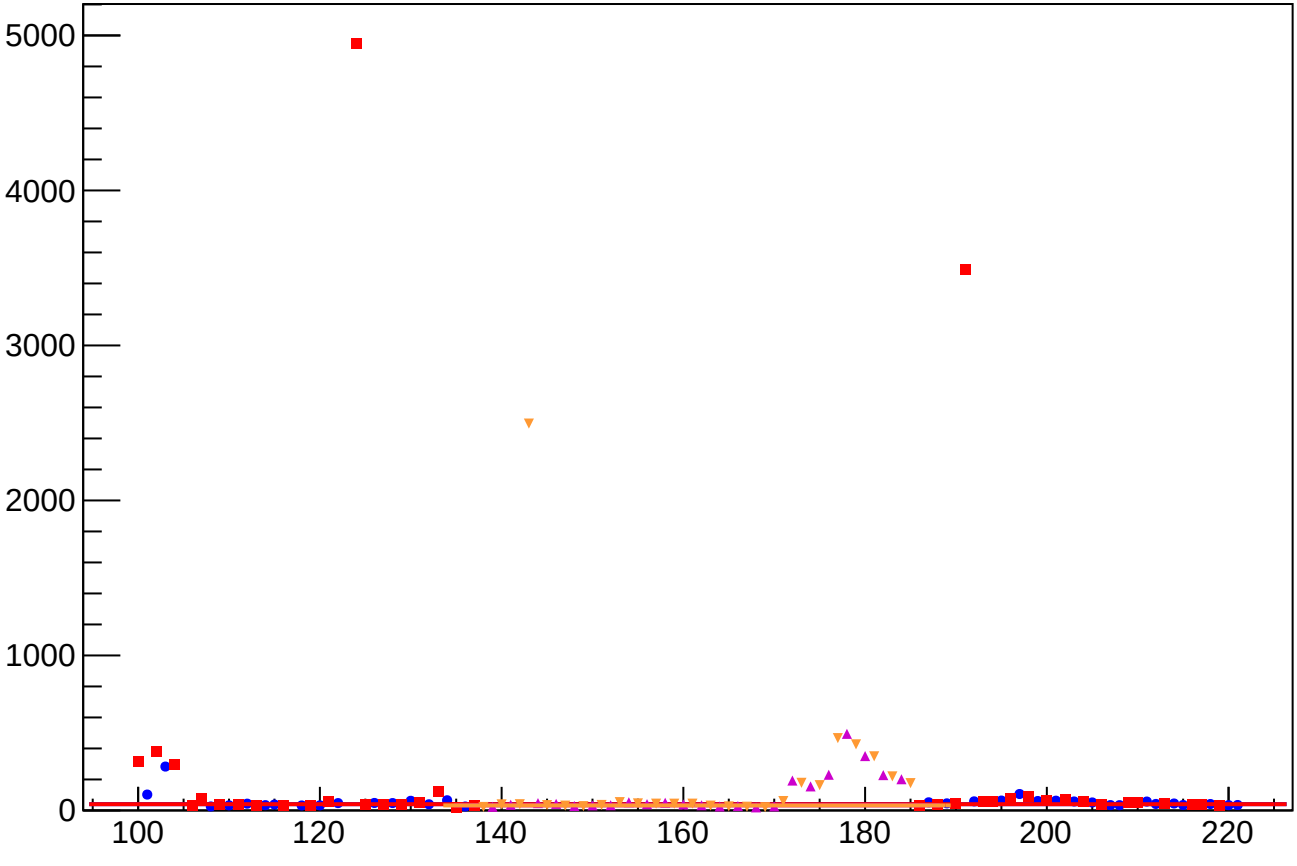
Right: -0.001+/-0.007 χ^2/NDF: 52.1/70

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.2/118

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: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

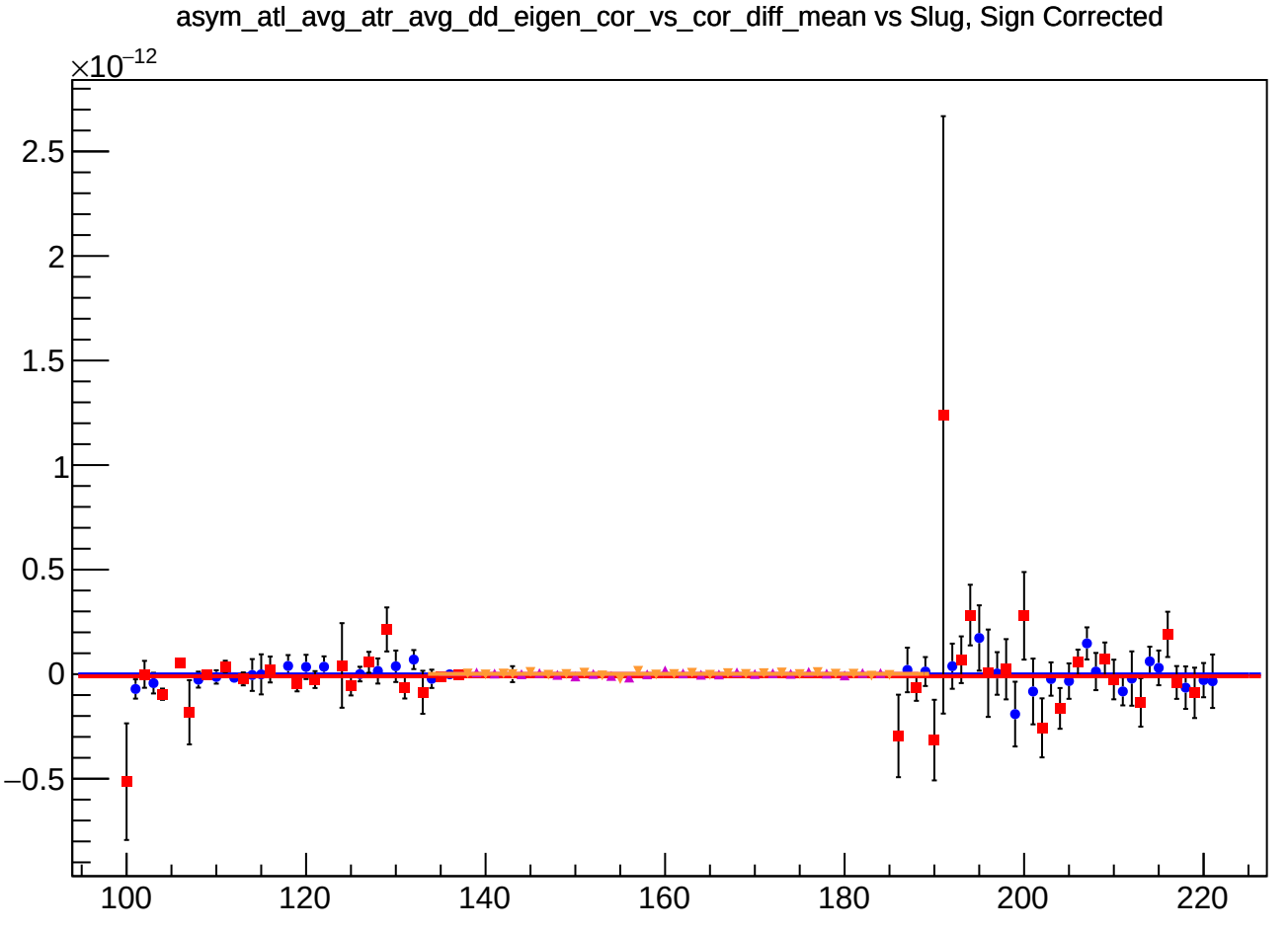
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.500+/-0.005 χ^2/NDF: 10036587.0/70

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.392+/-0.003 χ^2/NDF: 31175711.8/118



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: 65.5/36

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

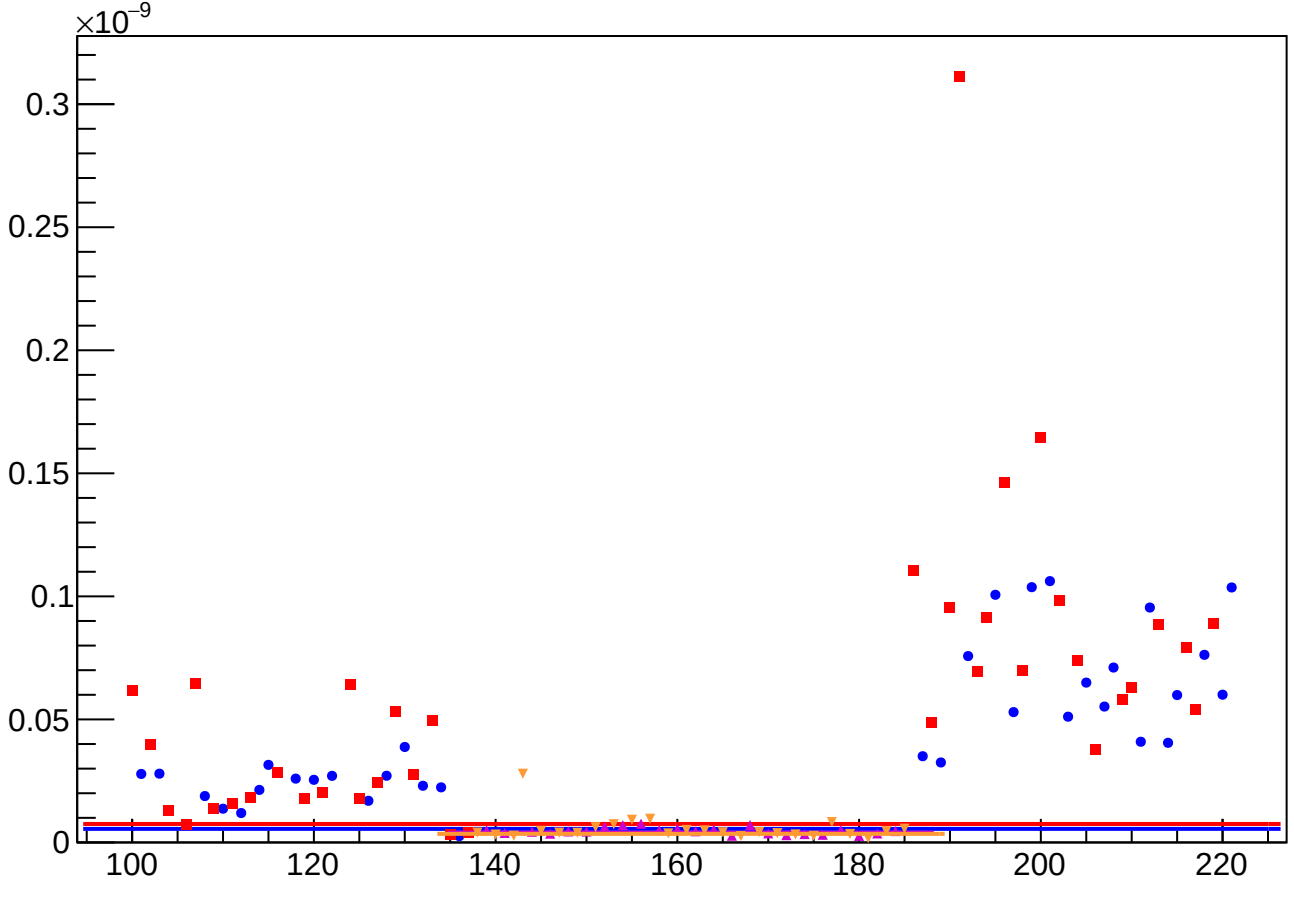
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 87.2/70

In: 0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:91.3/61

All: 0.000+/-0.000 χ^2/NDF: 139.2/118



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: 17918262.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

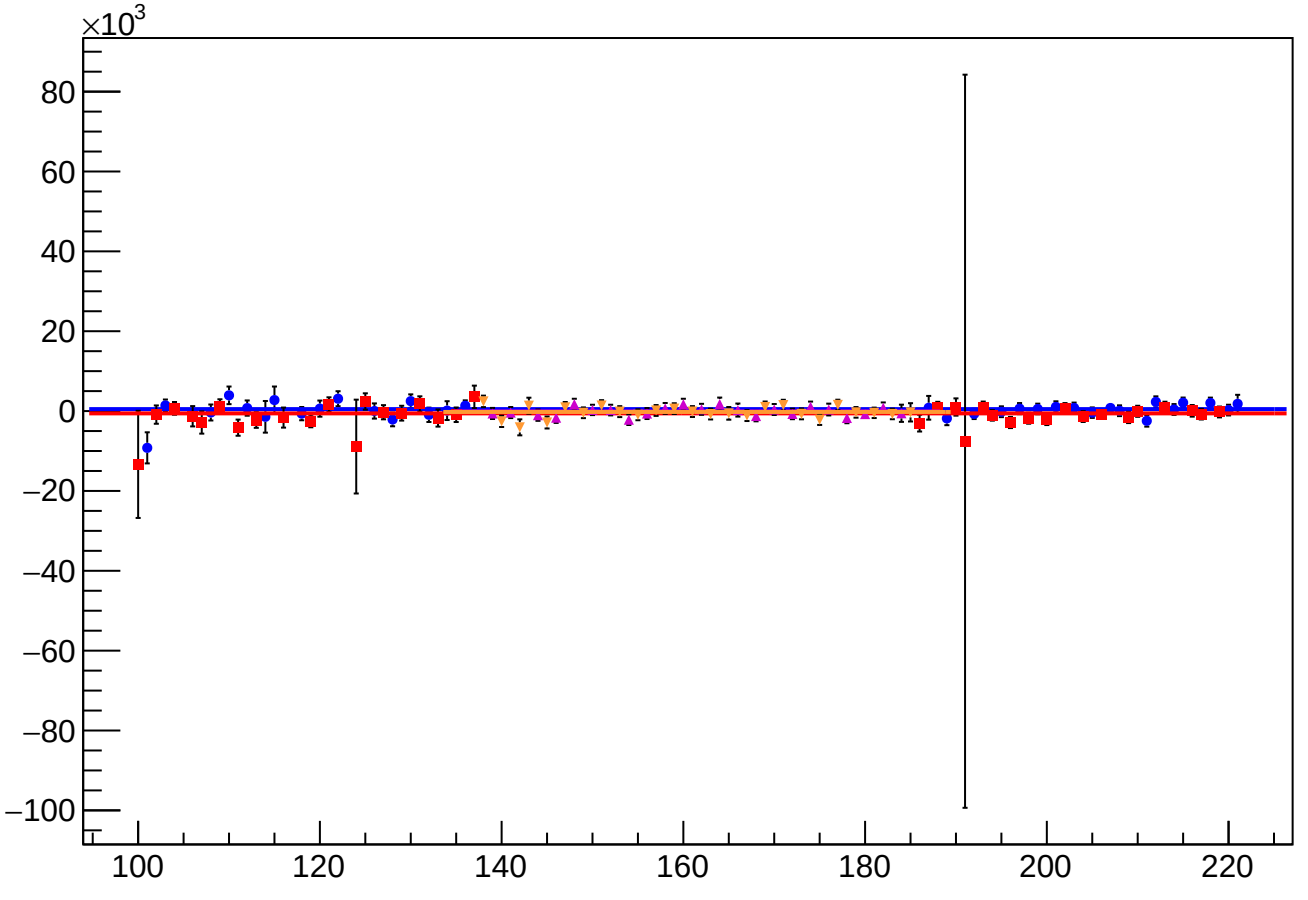
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 37139132.5/70

In: 0.000+/-0.000 χ^2/NDF:21388607.1/56

Out: 0.000+/-0.000 χ^2/NDF:24392038.8/61

All: 0.000+/-0.000 χ^2/NDF: 45918639.6/118



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: -576.736+/-277.611 χ^2/NDF: 29.8/36

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

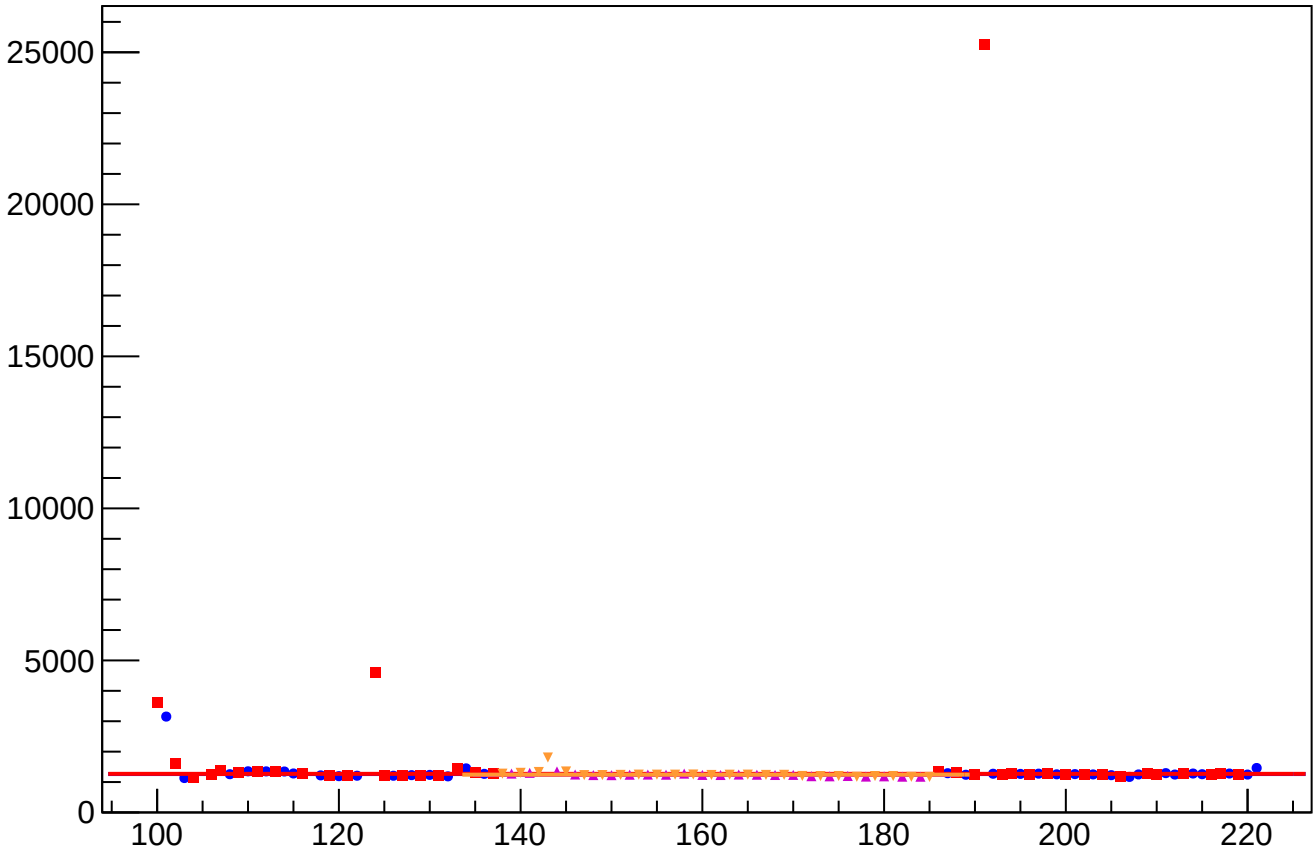
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -35.543+/-195.148 χ^2/NDF: 67.3/70

In: 214.755+/-198.727 χ^2/NDF:46.8/56

Out: -402.185+/-198.197 χ^2/NDF:54.5/61

All: -94.539+/-140.334 χ^2/NDF: 106.2/118



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: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

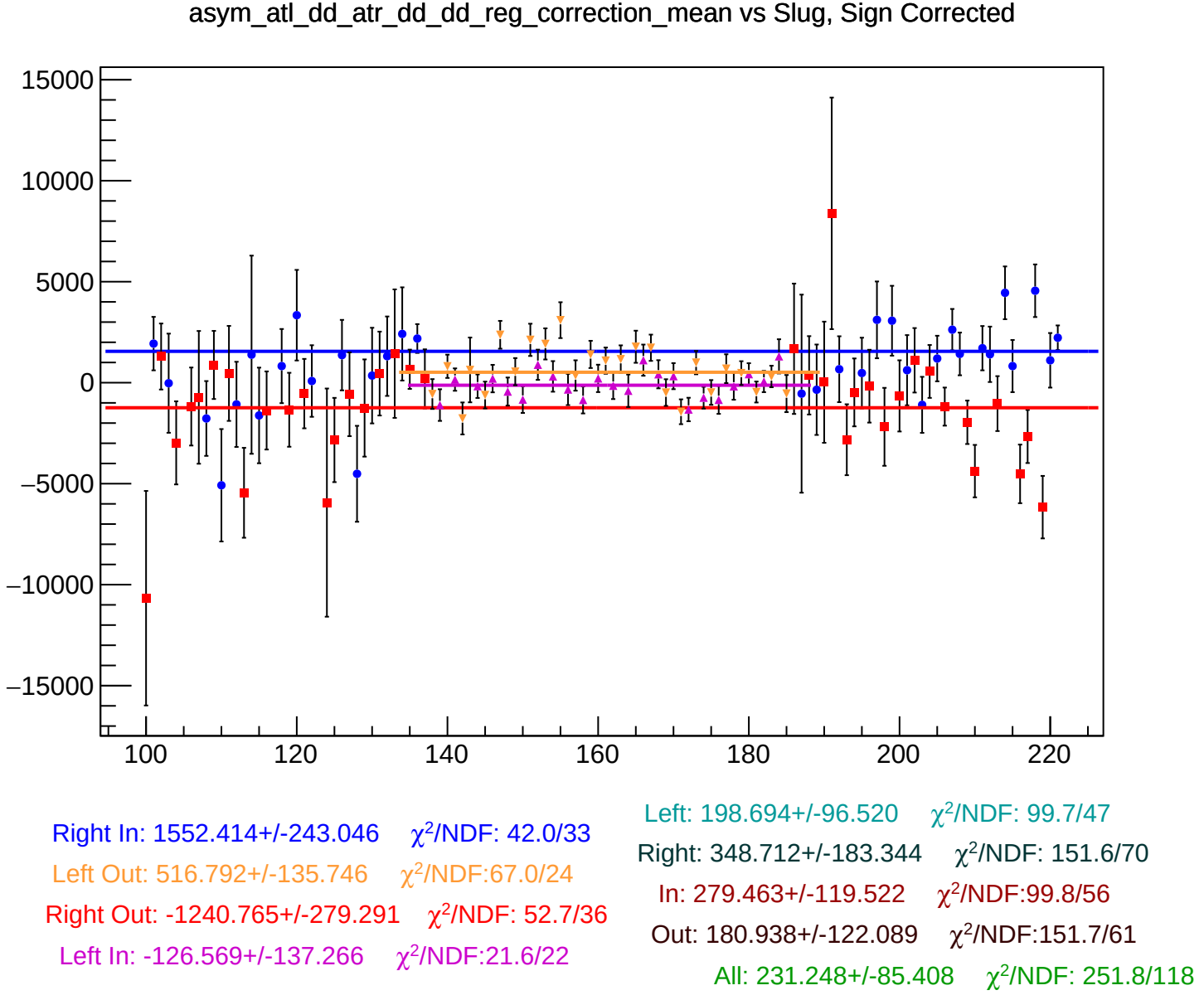
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

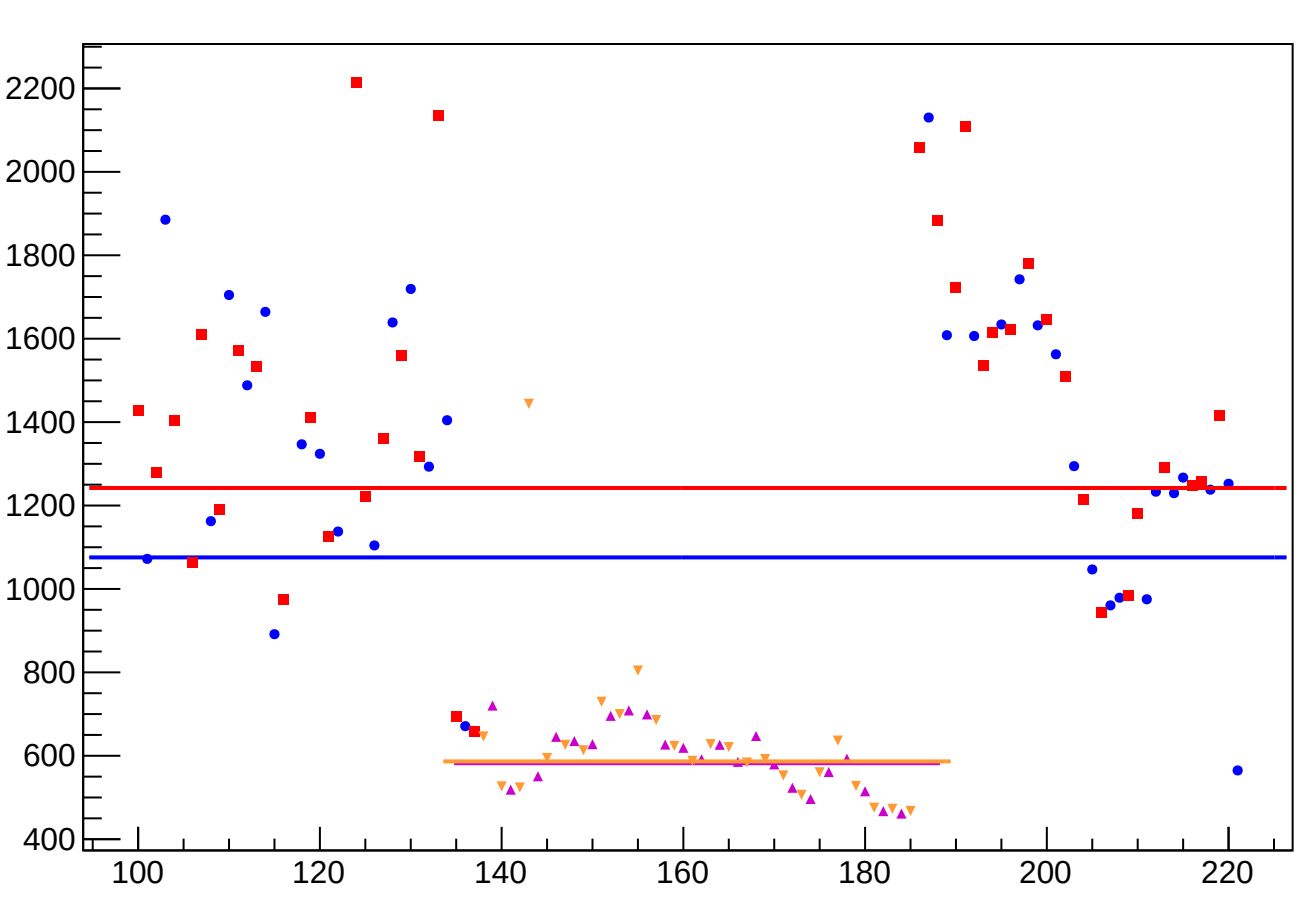
Right: 1266.308+/-0.138 χ^2/NDF: 1040180.0/70

In: 1249.172+/-0.141 χ^2/NDF:602233.4/56

Out: 1256.445+/-0.140 χ^2/NDF:699986.5/61

All: 1252.818+/-0.099 χ^2/NDF: 1303562.9/11


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: -1240.765+/-279.291 χ²/NDF: 52.7/36
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 348.712+/-183.344 χ²/NDF: 151.6/70
In: 279.463+/-119.522 χ²/NDF:99.8/56
Out: 180.938+/-122.089 χ²/NDF:151.7/61
All: 231.248+/-85.408 χ²/NDF: 251.8/118



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: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

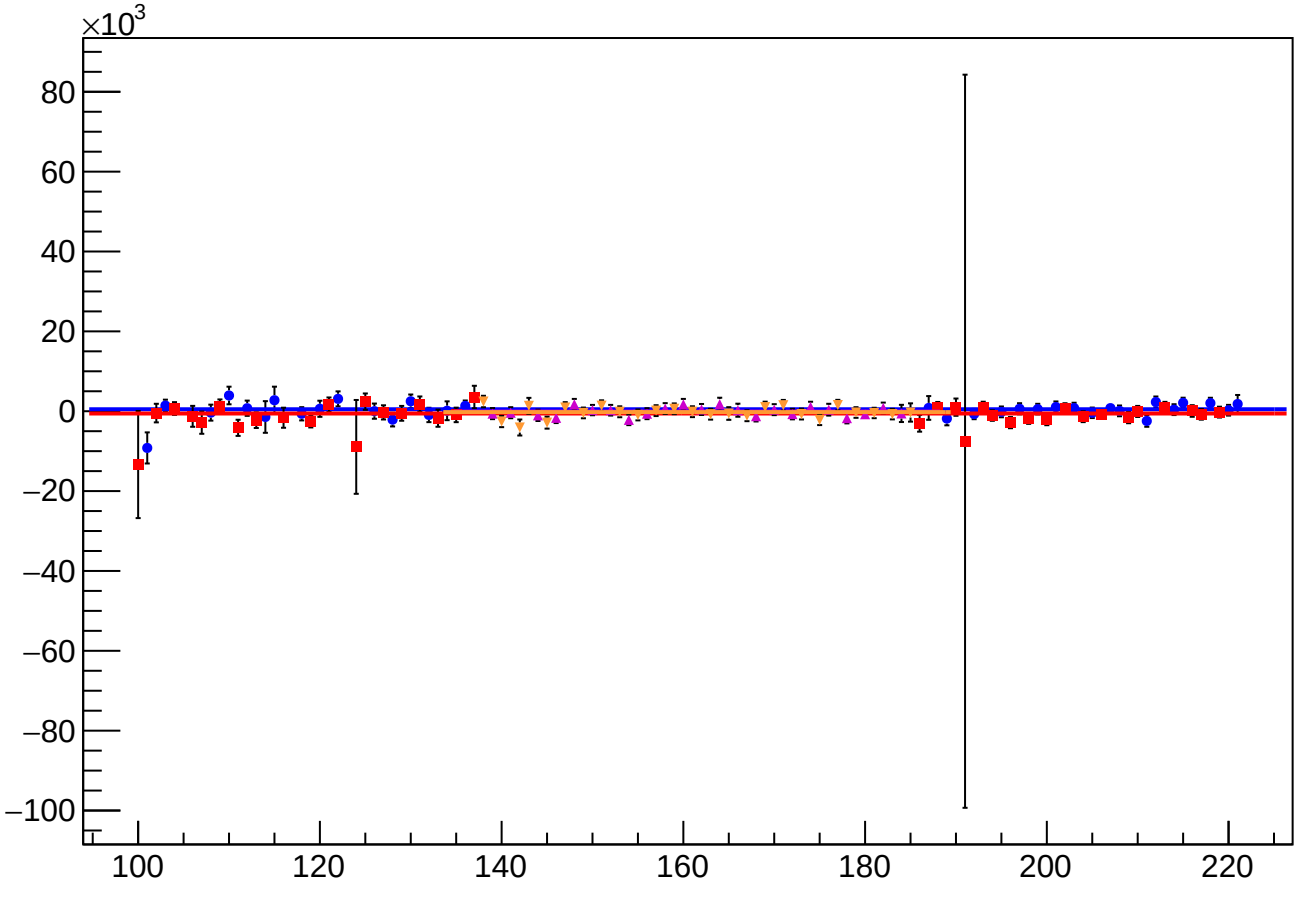
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1147.356+/-0.130 χ^2/NDF: 7561021.4/70

In: 701.518+/-0.085 χ^2/NDF:11201124.2/56

Out: 711.822+/-0.086 χ^2/NDF:12880018.2/61

All: 706.561+/-0.060 χ^2/NDF: 24088417.7/1



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: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

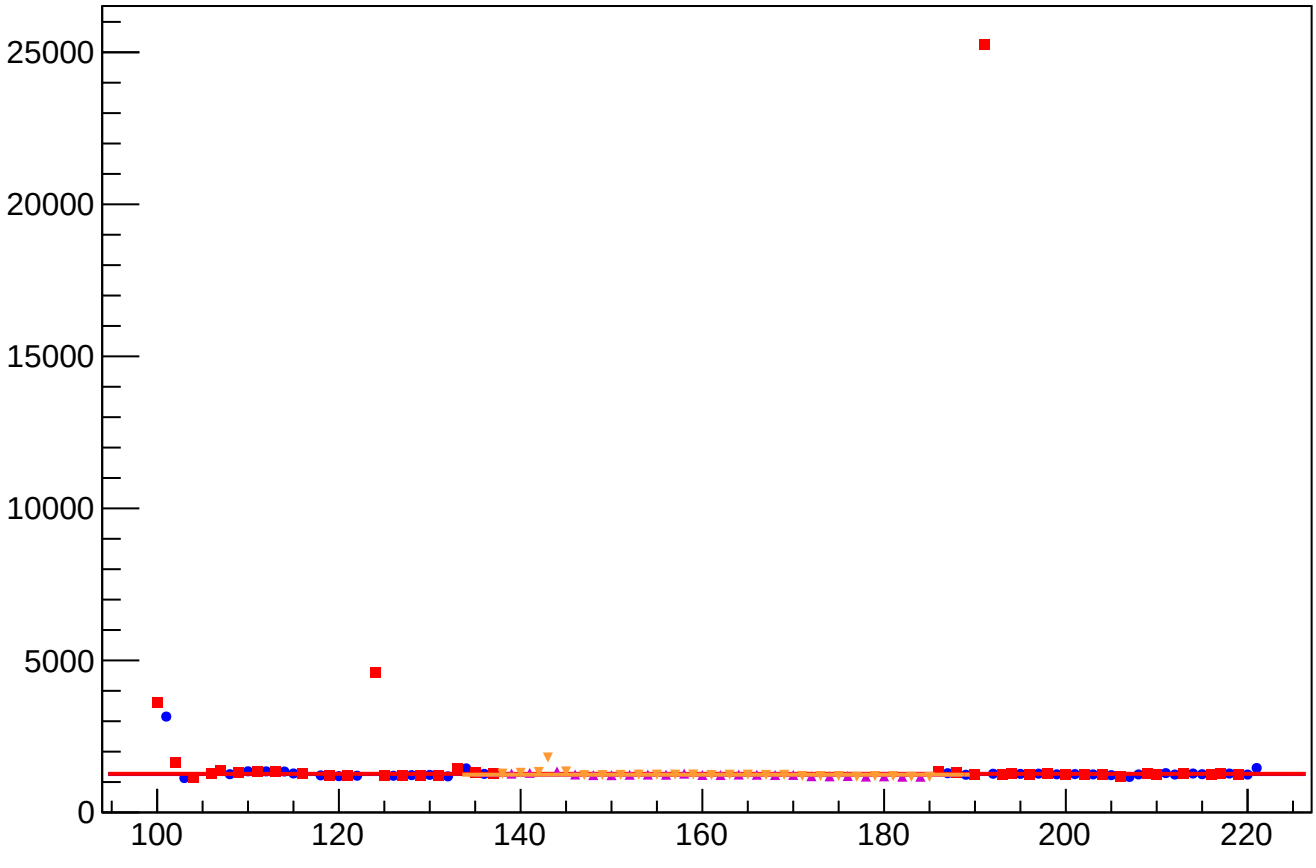
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -31.809+/-195.203 χ^2/NDF: 67.2/70

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -92.651+/-140.354 χ^2/NDF: 106.1/118



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: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

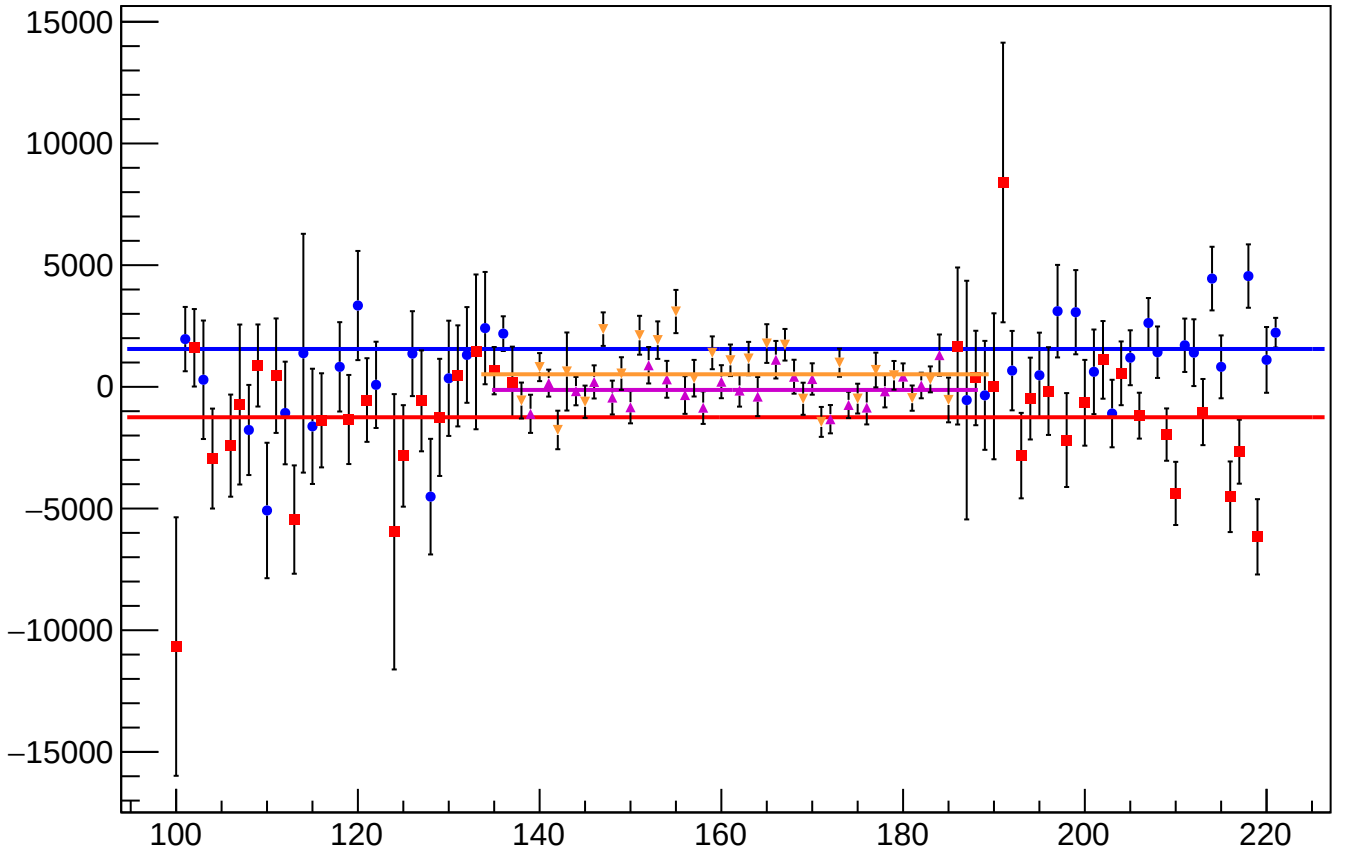
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1266.676+/-0.138 χ^2/NDF: 1047502.9/70

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1253.004+/-0.099 χ^2/NDF: 1311404.4/11



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: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

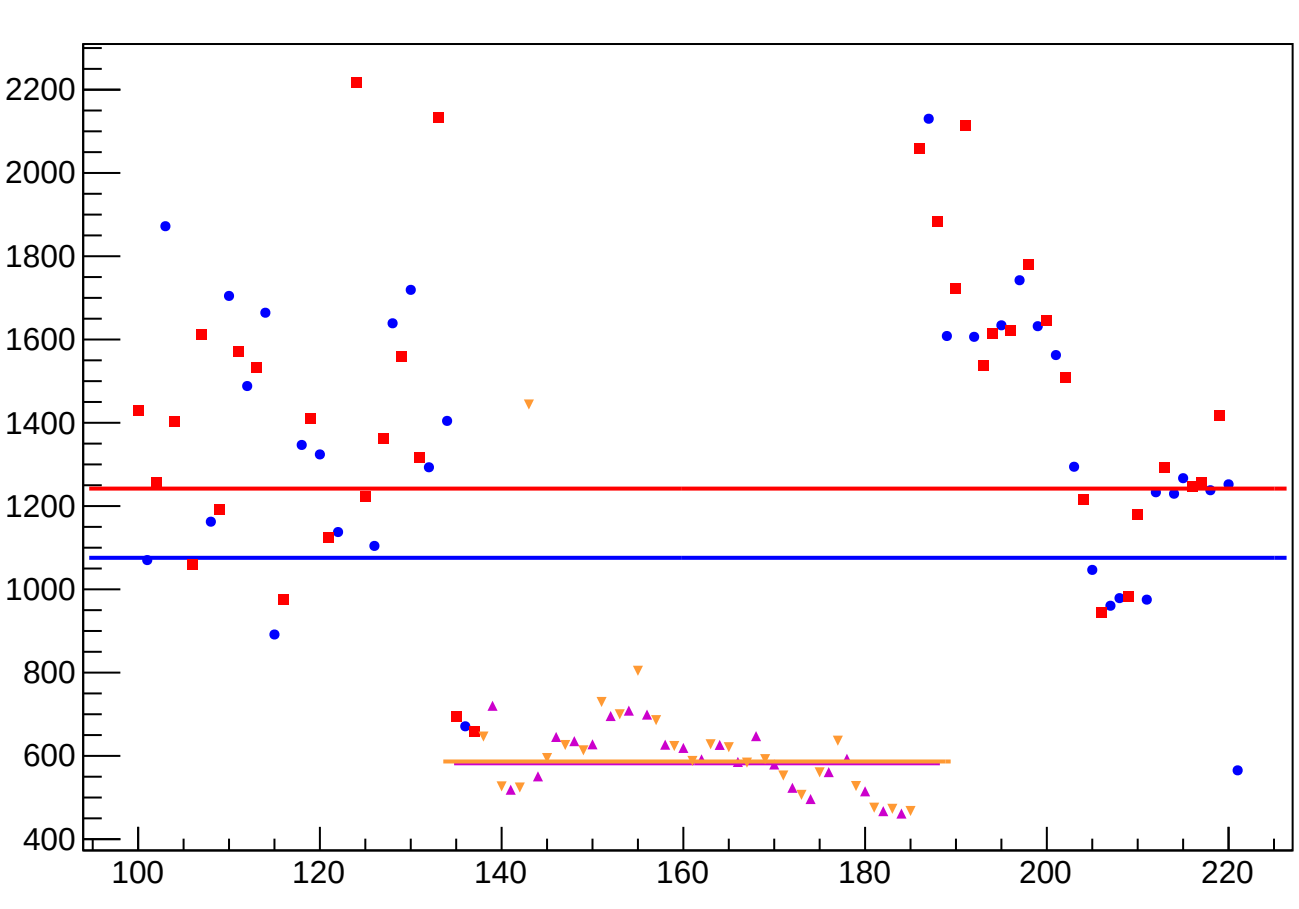
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 348.469+/-183.402 χ^2/NDF: 153.0/70

In: 280.398+/-119.520 χ^2/NDF:99.8/56

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 231.192+/-85.414 χ^2/NDF: 253.2/118



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: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

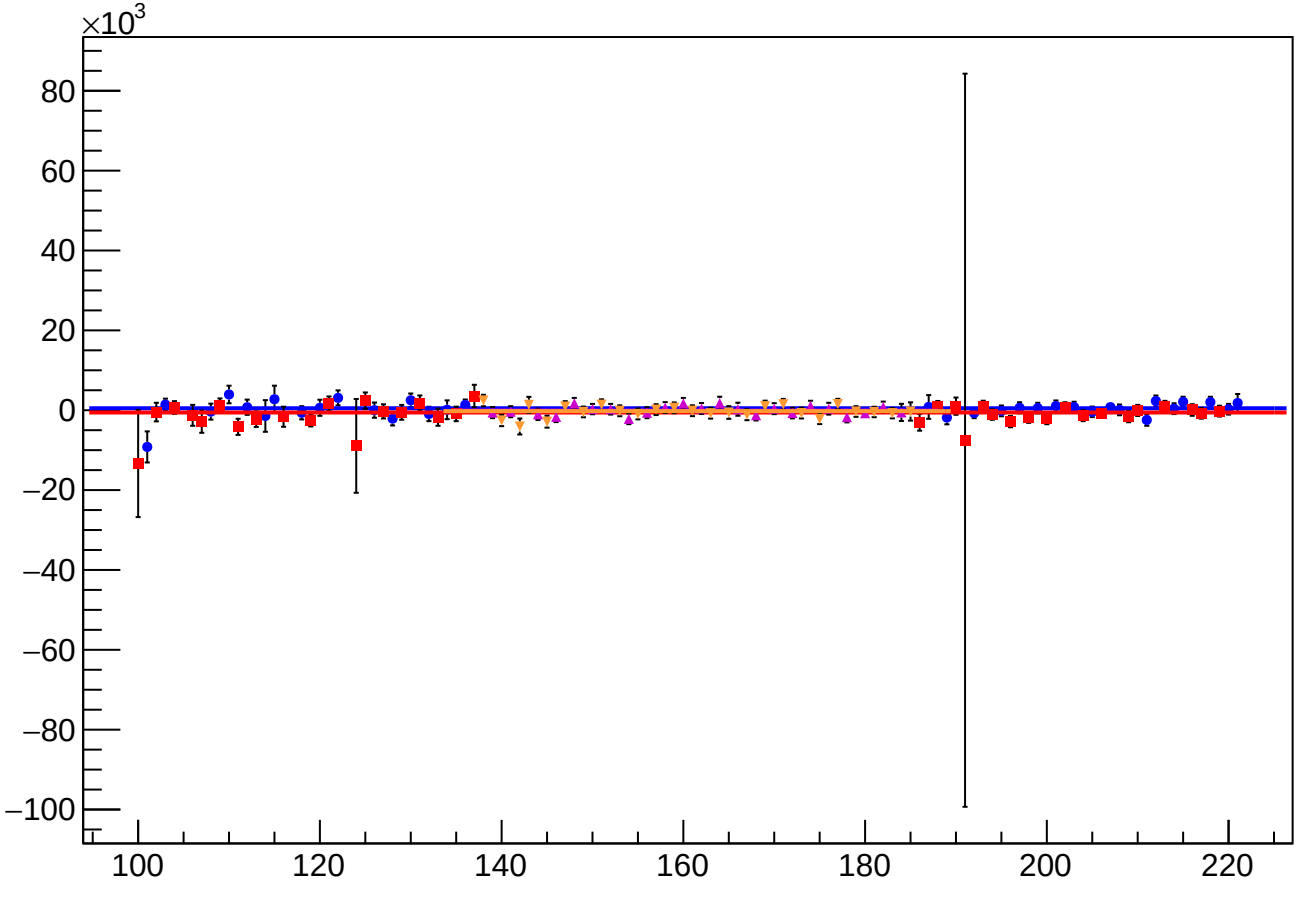
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1147.294+/-0.130 χ^2/NDF: 7549465.9/70

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 706.489+/-0.060 χ^2/NDF: 24066174.6/11



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: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

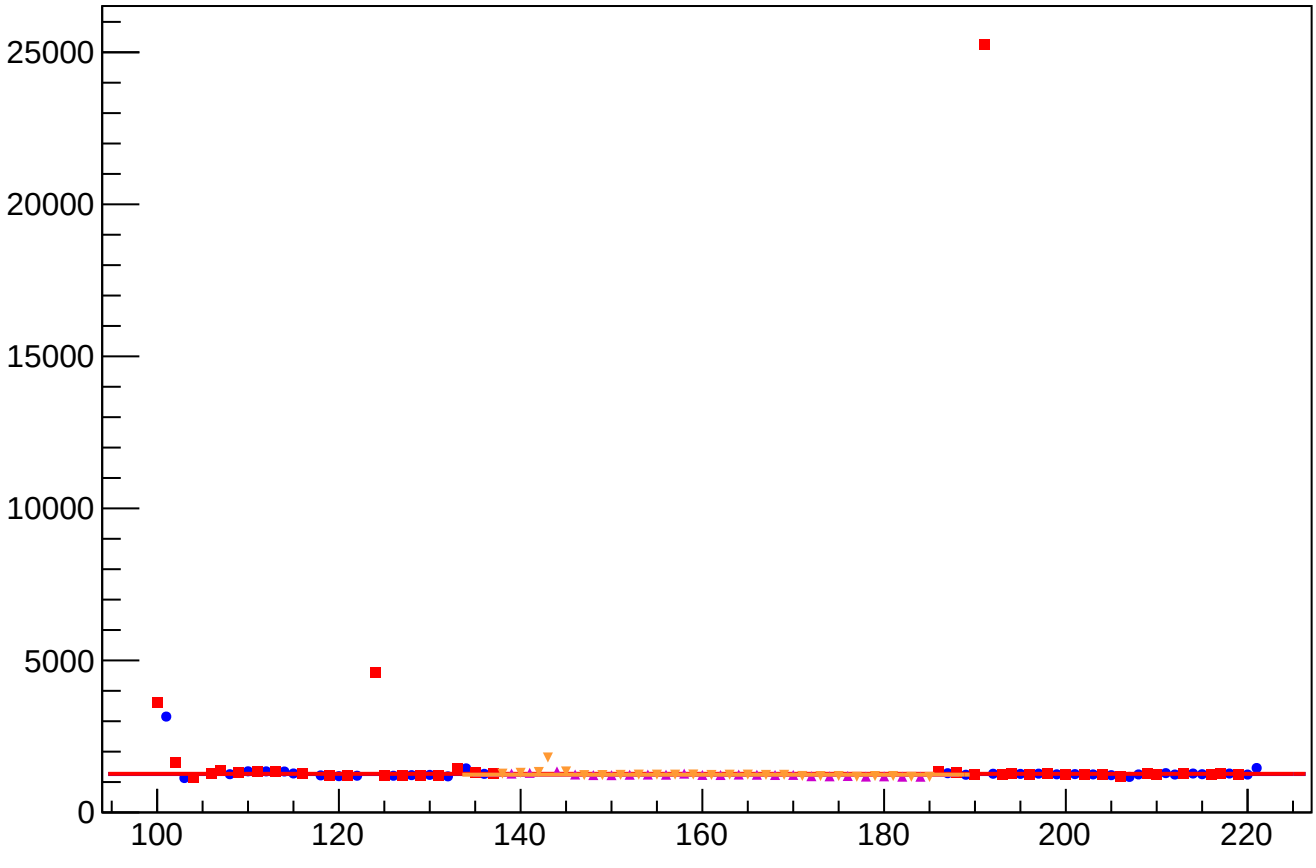
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -31.809+/-195.203 χ^2/NDF: 67.2/70

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -92.651+/-140.354 χ^2/NDF: 106.1/118



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: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

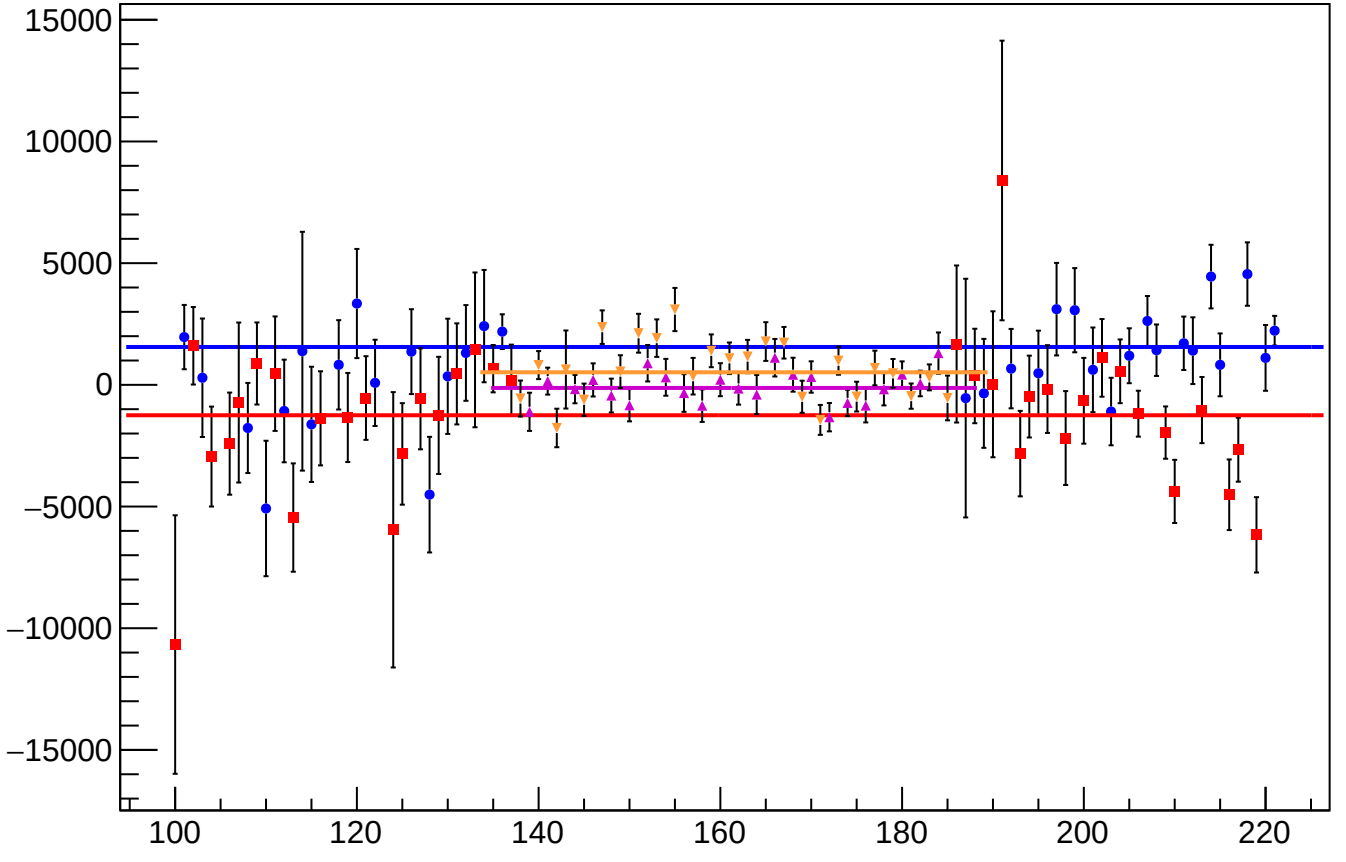
Right: 1266.676+/-0.138 χ^2/NDF: 1047502.9/70

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1253.004+/-0.099 χ^2/NDF: 1311404.4/11

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: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

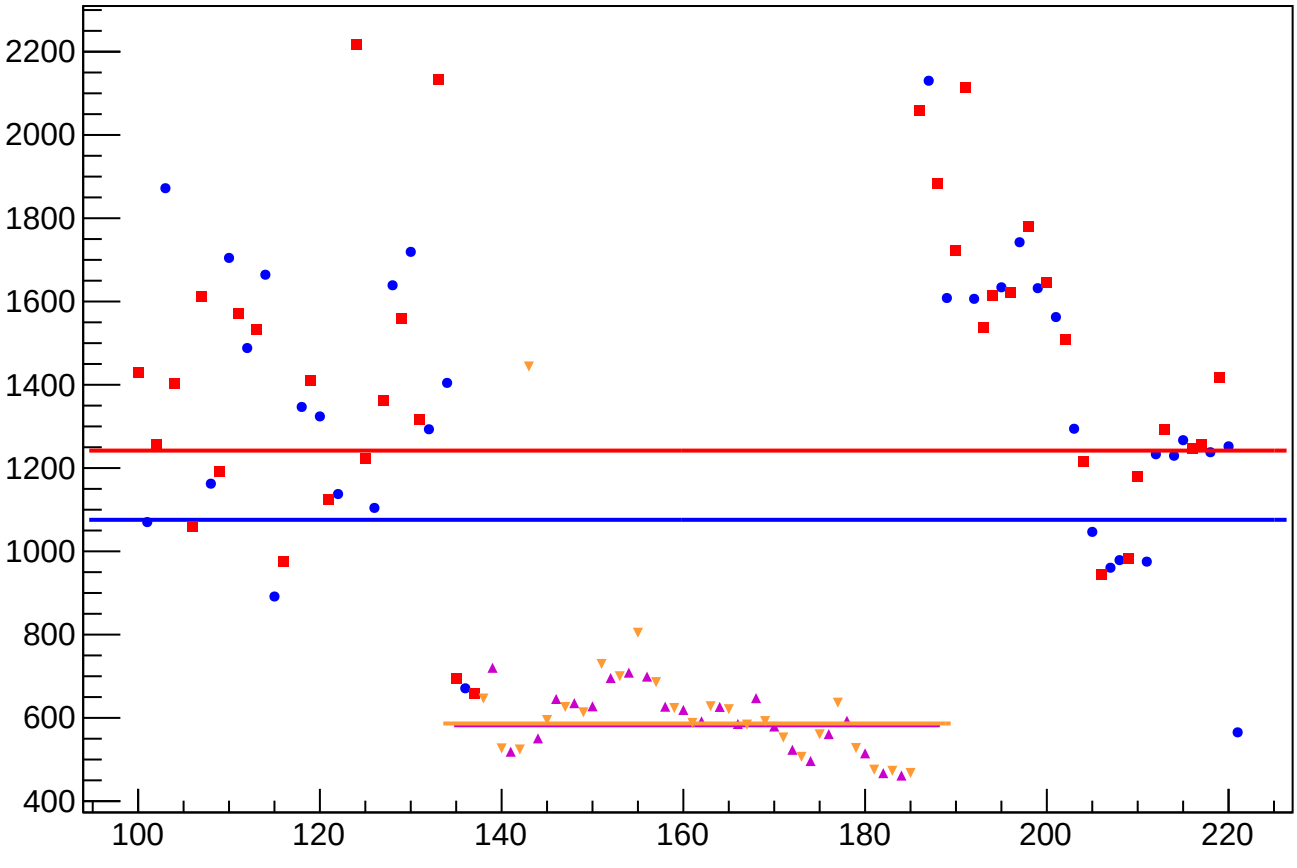
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 348.469+/-183.402 χ^2/NDF: 153.0/70

In: 280.398+/-119.520 χ^2/NDF:99.8/56

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 231.192+/-85.414 χ^2/NDF: 253.2/118



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: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

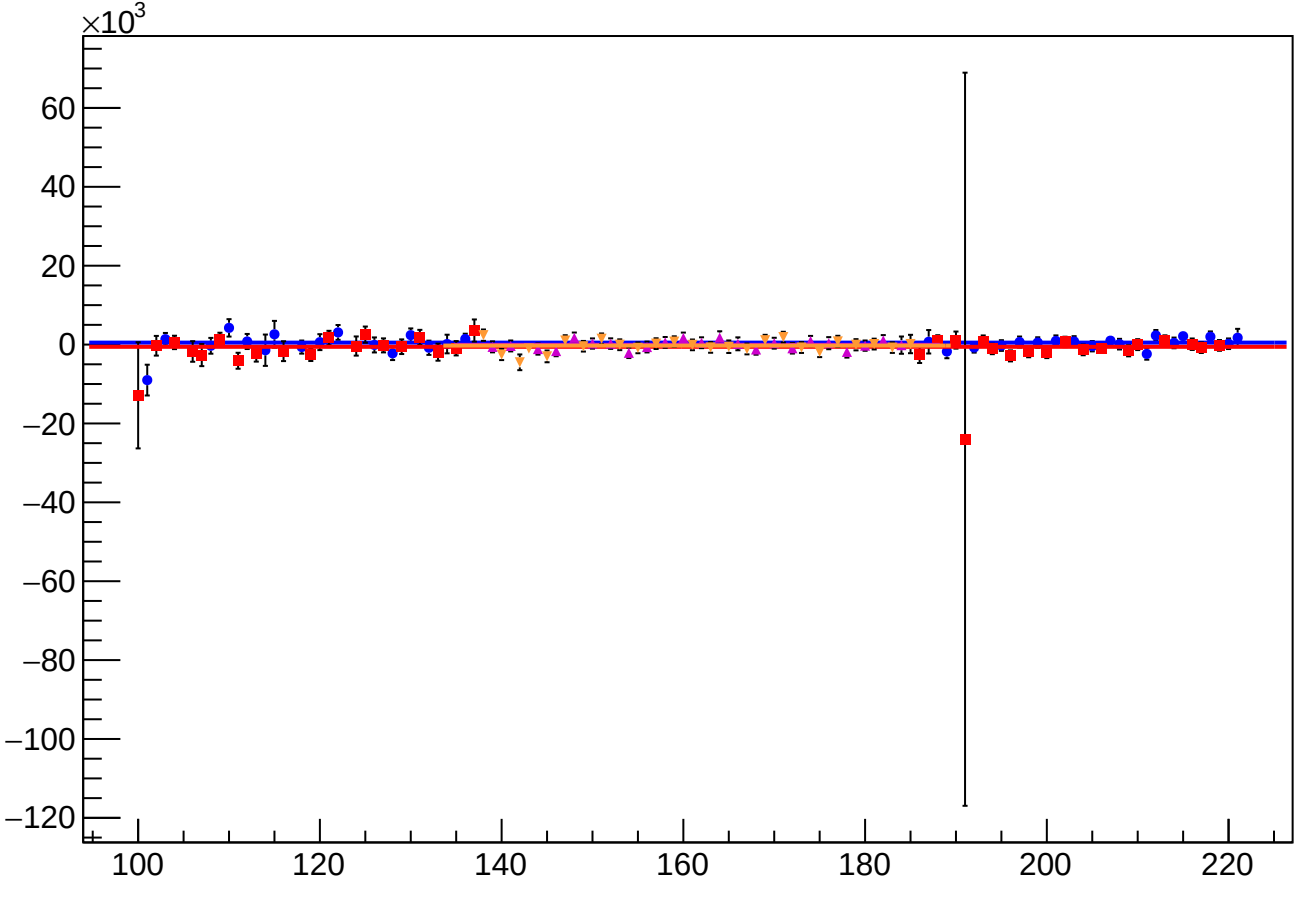
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1147.294+/-0.130 χ^2/NDF: 7549465.9/70

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 706.489+/-0.060 χ^2/NDF: 24066174.6/11



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: -567.132+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

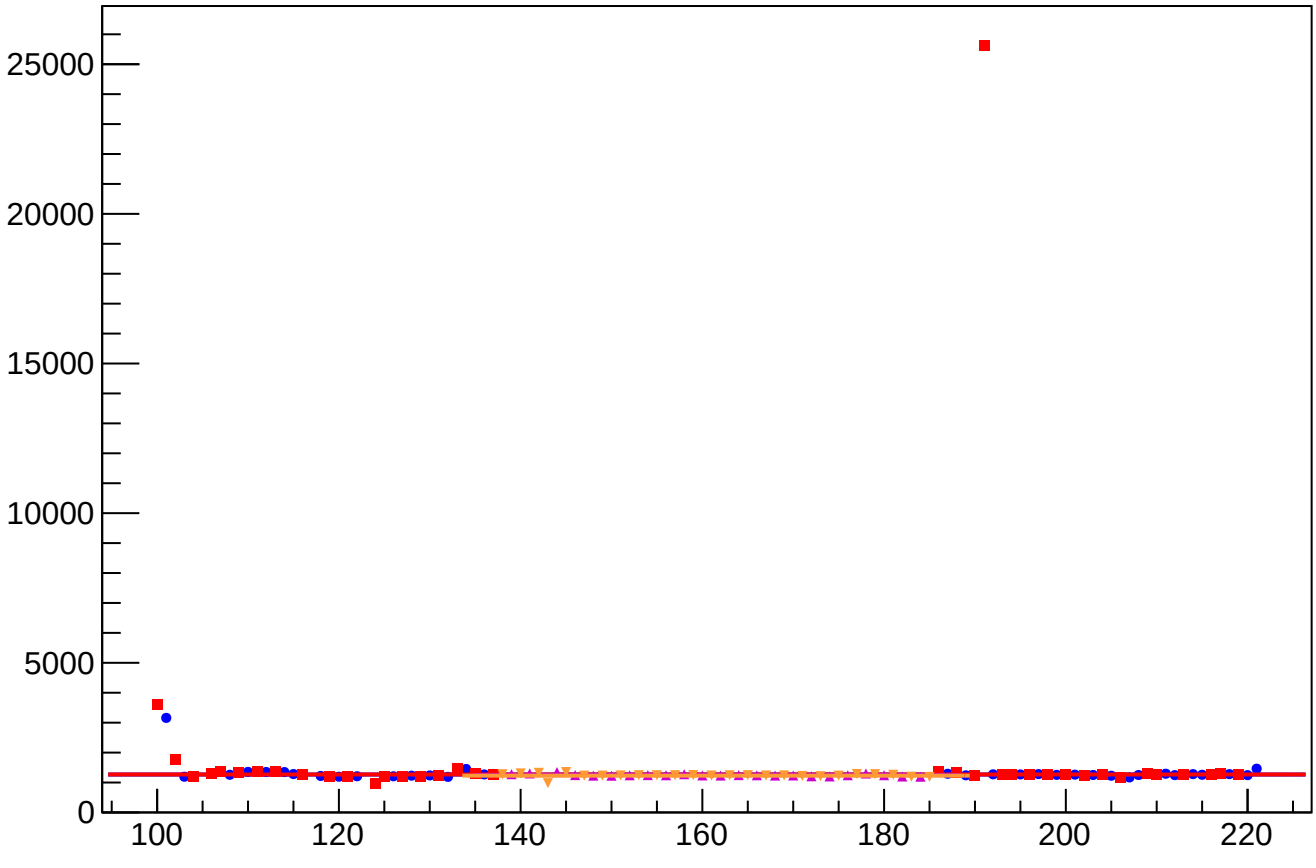
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -31.055+/-195.277 χ^2/NDF: 66.6/70

In: 227.508+/-200.067 χ^2/NDF:45.9/56

Out: -410.527+/-196.972 χ^2/NDF:54.0/61

All: -96.482+/-140.361 χ^2/NDF: 105.0/118



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: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

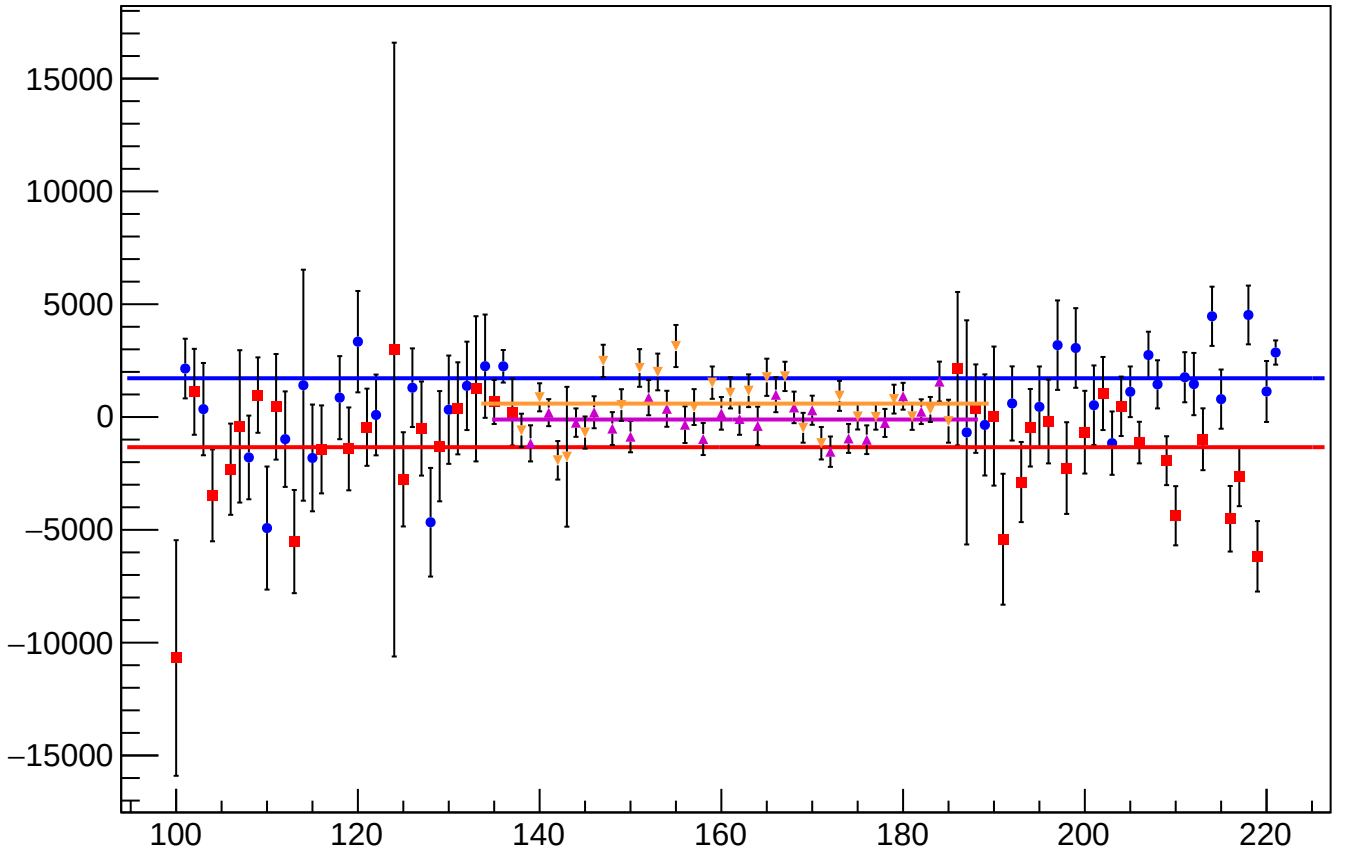
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1267.910+/-0.138 χ^2/NDF: 927414.2/70

In: 1257.793+/-0.141 χ^2/NDF:573155.6/56

Out: 1249.747+/-0.139 χ^2/NDF:547331.4/61

All: 1253.707+/-0.099 χ^2/NDF: 1122129.5/11



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: -1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

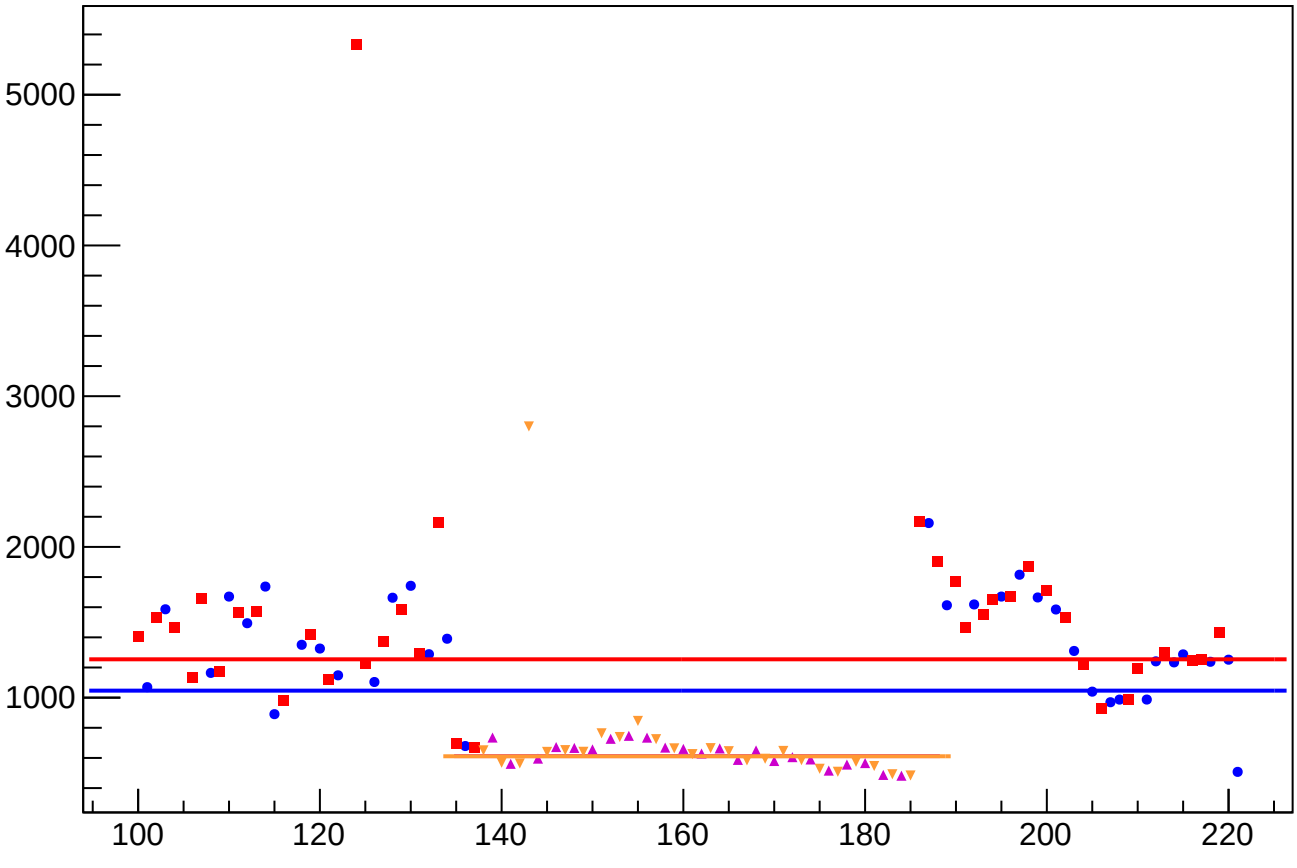
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 442.039+/-182.045 χ^2/NDF: 166.1/70

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: 202.875+/-126.886 χ^2/NDF:145.5/61

All: 293.490+/-88.476 χ^2/NDF: 262.2/118



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: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

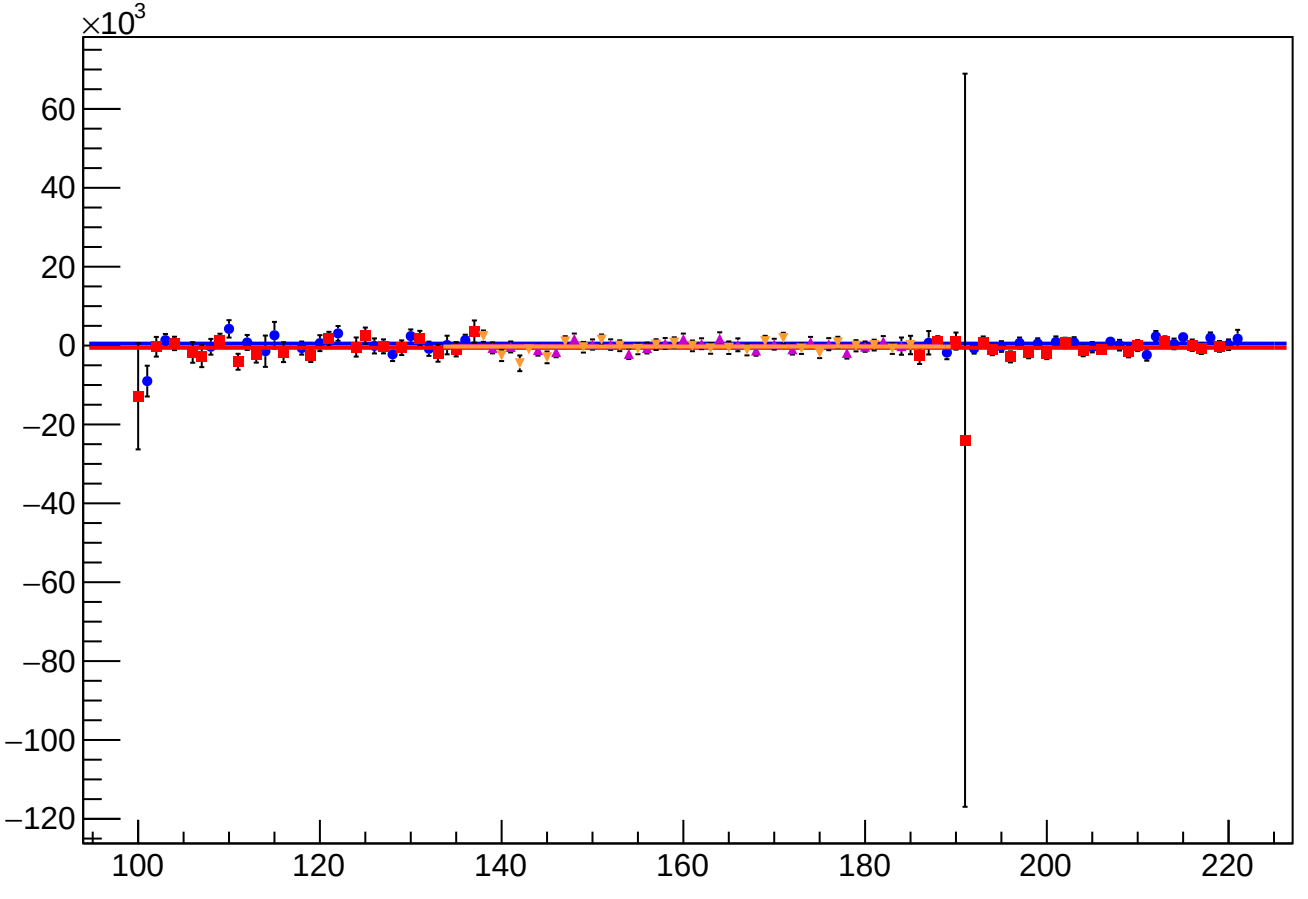
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1133.347+/-0.129 χ^2/NDF: 8855996.5/70

In: 728.568+/-0.087 χ^2/NDF:10521558.3/56

Out: 741.678+/-0.090 χ^2/NDF:12992940.7/61

All: 734.942+/-0.063 χ^2/NDF: 23525468.5/1



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: -567.130+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

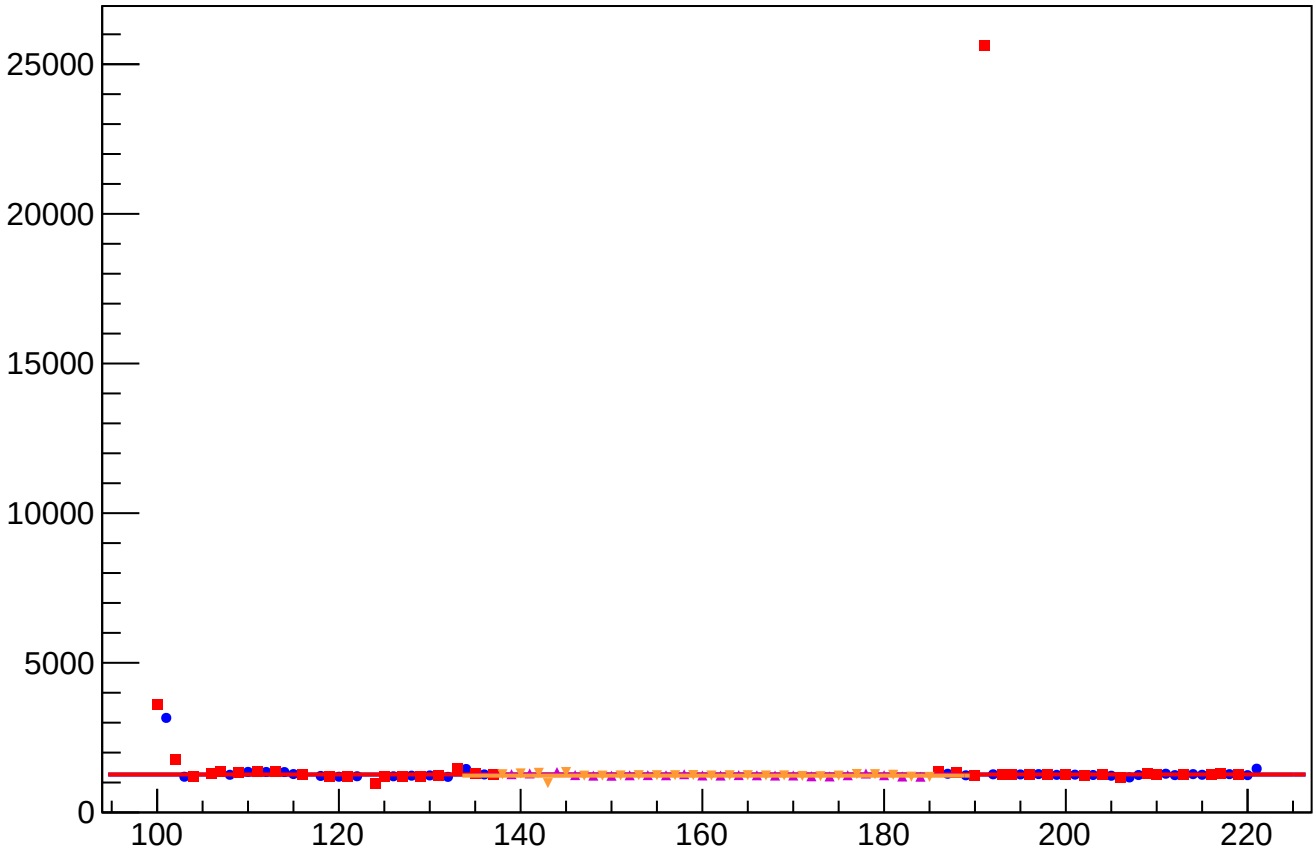
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -31.056+/-195.277 χ^2/NDF: 66.6/70

In: 227.506+/-200.067 χ^2/NDF:45.9/56

Out: -410.526+/-196.972 χ^2/NDF:54.0/61

All: -96.483+/-140.361 χ^2/NDF: 105.0/118



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: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

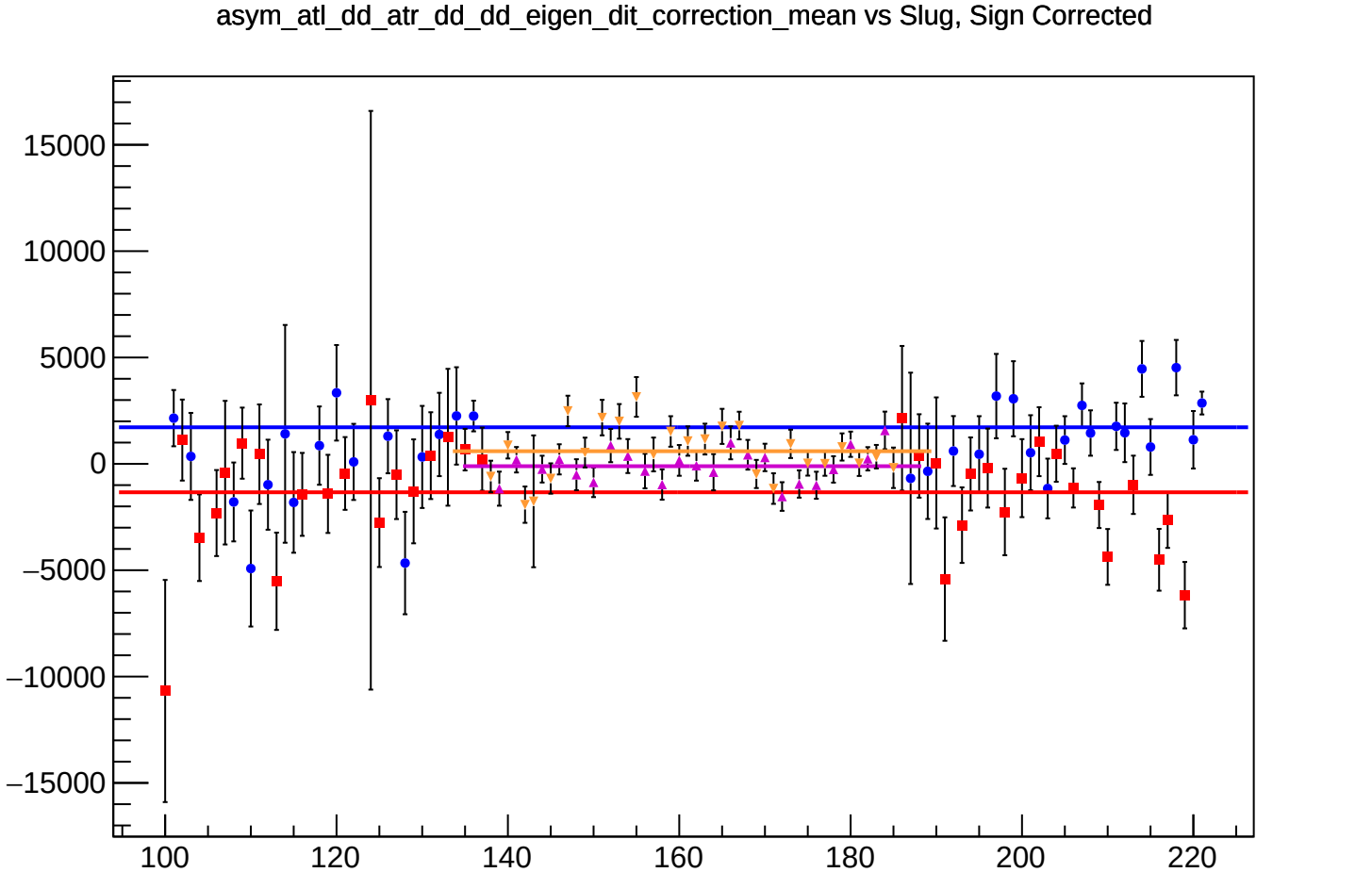
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1267.910+/-0.138 χ^2/NDF: 927414.1/70

In: 1257.793+/-0.141 χ^2/NDF:573155.7/56

Out: 1249.747+/-0.139 χ^2/NDF:547330.3/61

All: 1253.707+/-0.099 χ^2/NDF: 1122128.5/11



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: -1336.524+/-281.612 χ^2/NDF: 50.7/36

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

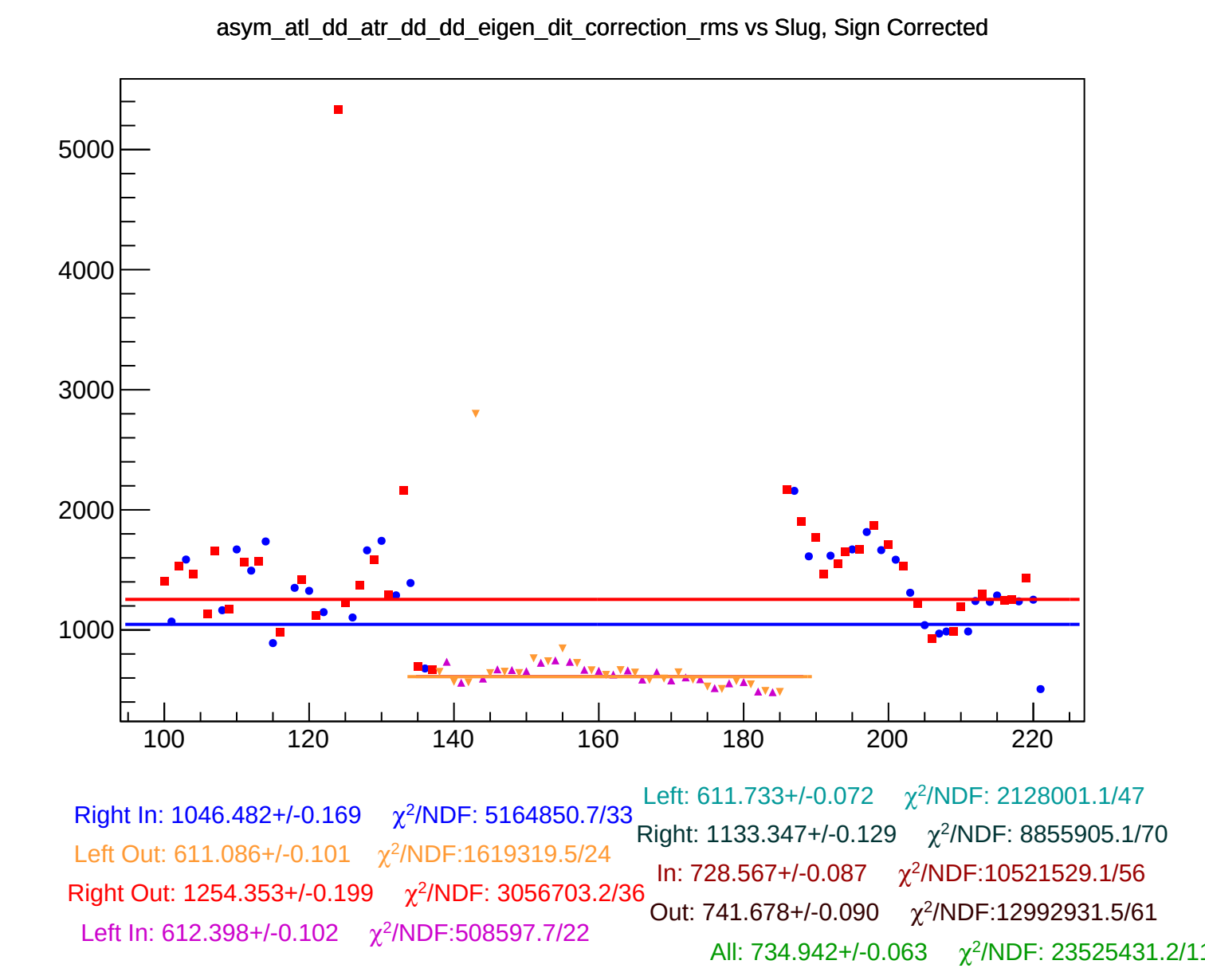
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

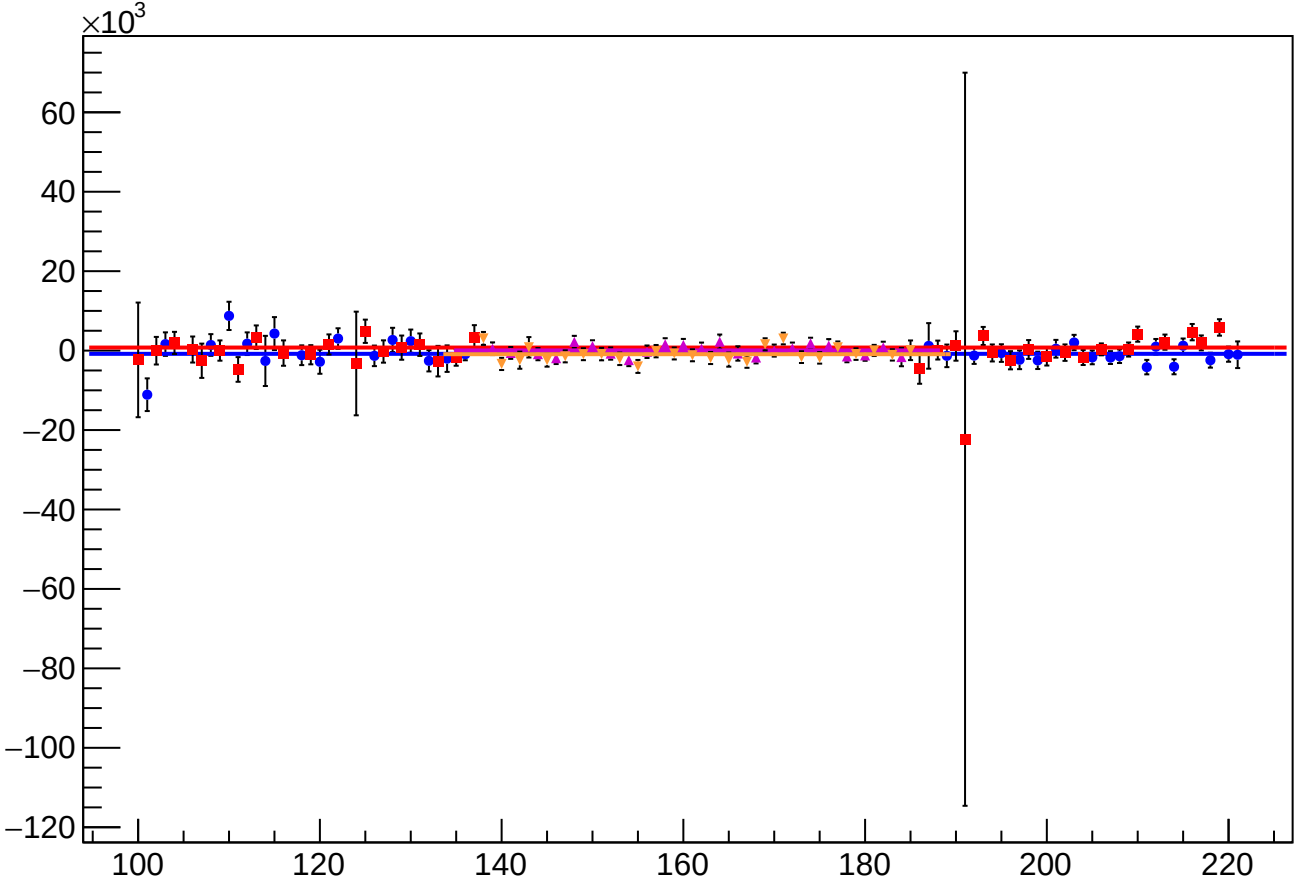
Right: 442.041+/-182.044 χ^2/NDF: 166.1/70

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: 202.876+/-126.886 χ^2/NDF:145.5/61

All: 293.490+/-88.476 χ^2/NDF: 262.2/118


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1046.482+/-0.169 χ²/NDF: 5164850.7/33
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1254.353+/-0.199 χ²/NDF: 3056703.2/36
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1133.347+/-0.129 χ²/NDF: 8855905.1/70
In: 728.567+/-0.087 χ²/NDF:10521529.1/56
Out: 741.678+/-0.090 χ²/NDF:12992931.5/61
All: 734.942+/-0.063 χ²/NDF: 23525431.2/11



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: 771.194+/-411.095 χ^2/NDF: 33.8/36

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

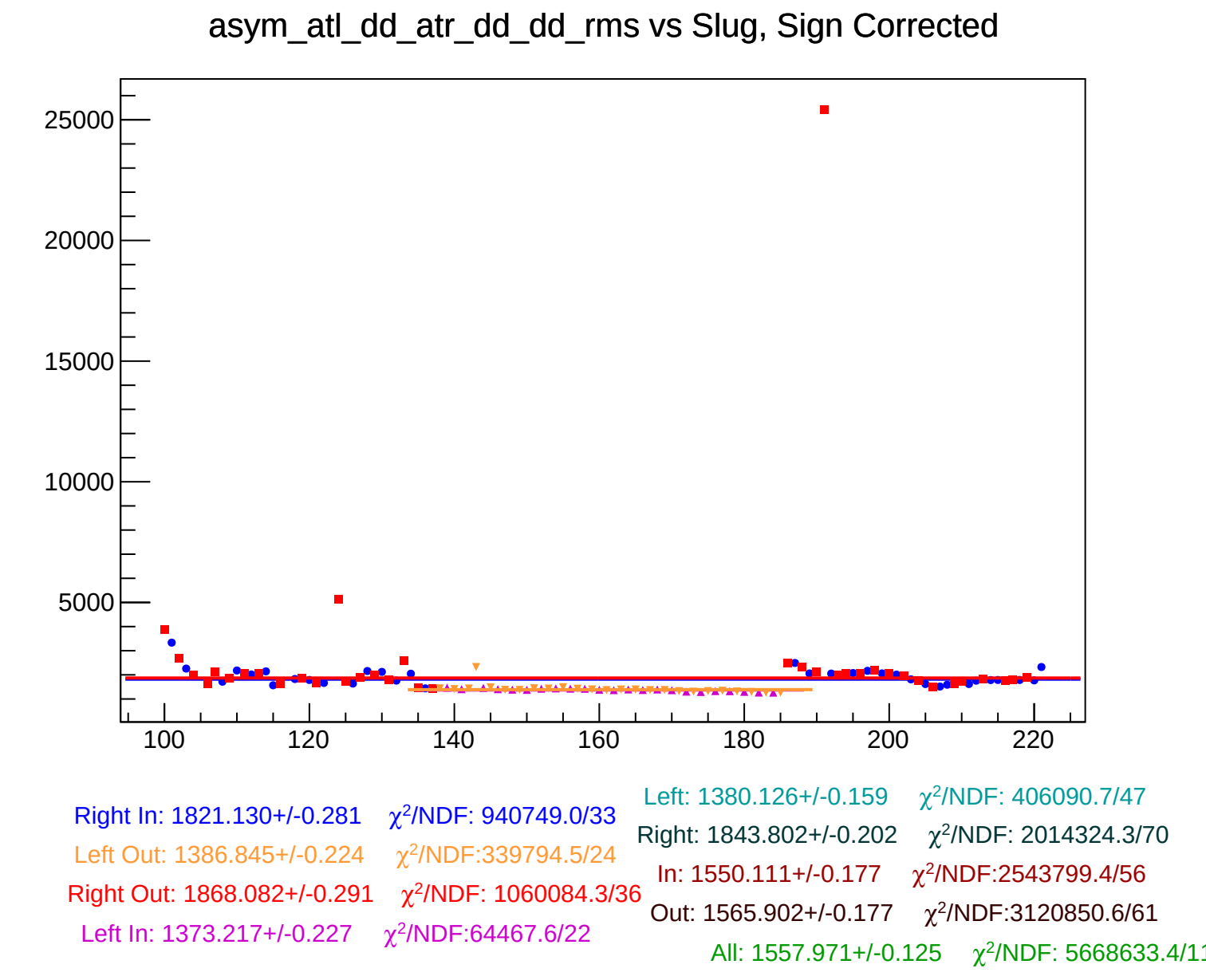
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

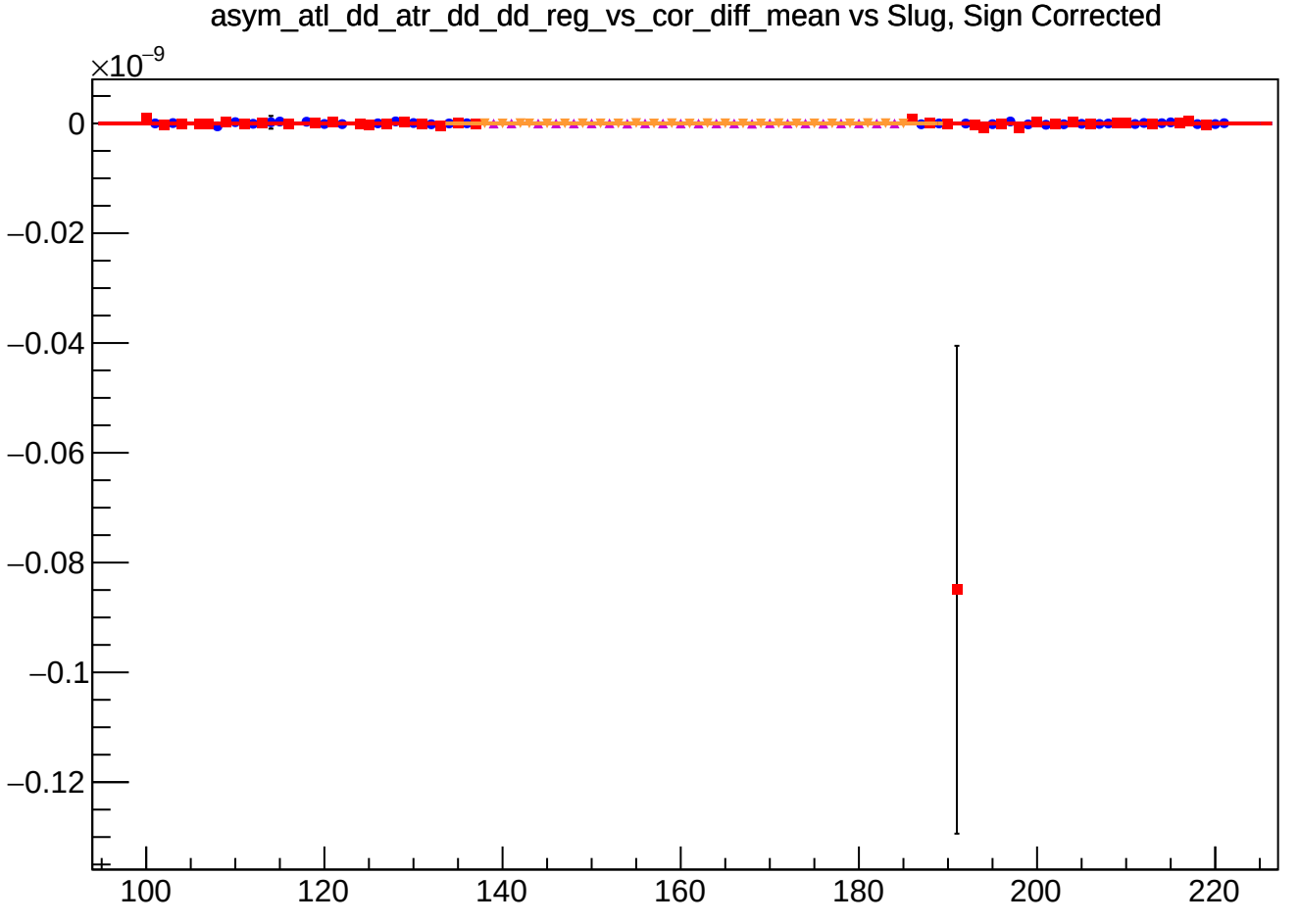
Right: -46.241+/-285.663 χ^2/NDF: 78.0/70

In: -290.545+/-249.639 χ^2/NDF:57.2/56

Out: -278.124+/-250.759 χ^2/NDF:74.0/61

All: -284.363+/-176.916 χ^2/NDF: 131.3/118


asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 1821.130+/-0.281 χ²/NDF: 940749.0/33
Left Out: 1386.845+/-0.224 χ²/NDF:339794.5/24
Right Out: 1868.082+/-0.291 χ²/NDF: 1060084.3/36
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1843.802+/-0.202 χ²/NDF: 2014324.3/70
In: 1550.111+/-0.177 χ²/NDF:2543799.4/56
Out: 1565.902+/-0.177 χ²/NDF:3120850.6/61
All: 1557.971+/-0.125 χ²/NDF: 5668633.4/11



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: 58.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

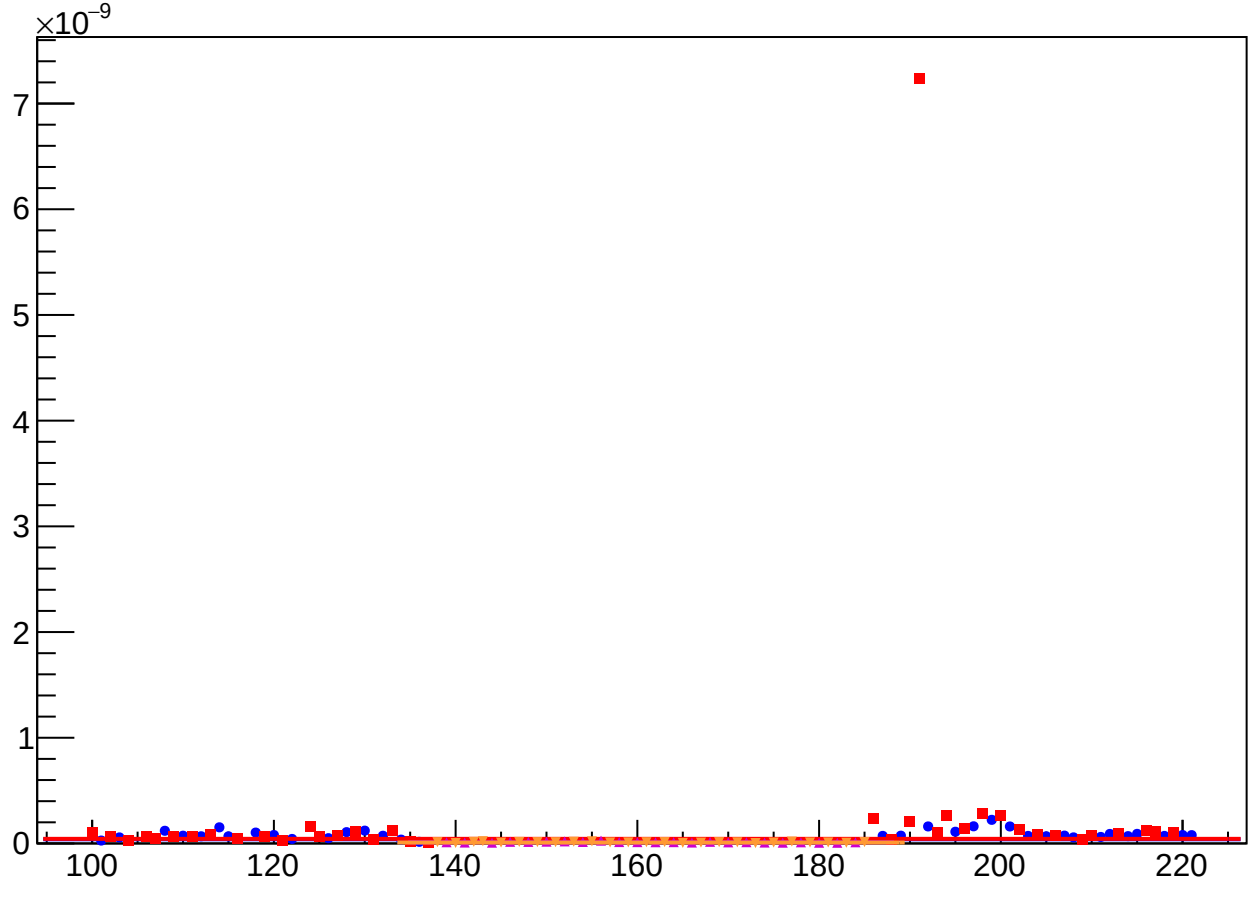
Right: -0.000+/-0.000 χ^2/NDF: 87.8/70

In: 0.000+/-0.000 χ^2/NDF:42.7/56

Out: 0.000+/-0.000 χ^2/NDF:83.5/61

All: 0.000+/-0.000 χ^2/NDF: 126.3/118

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: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

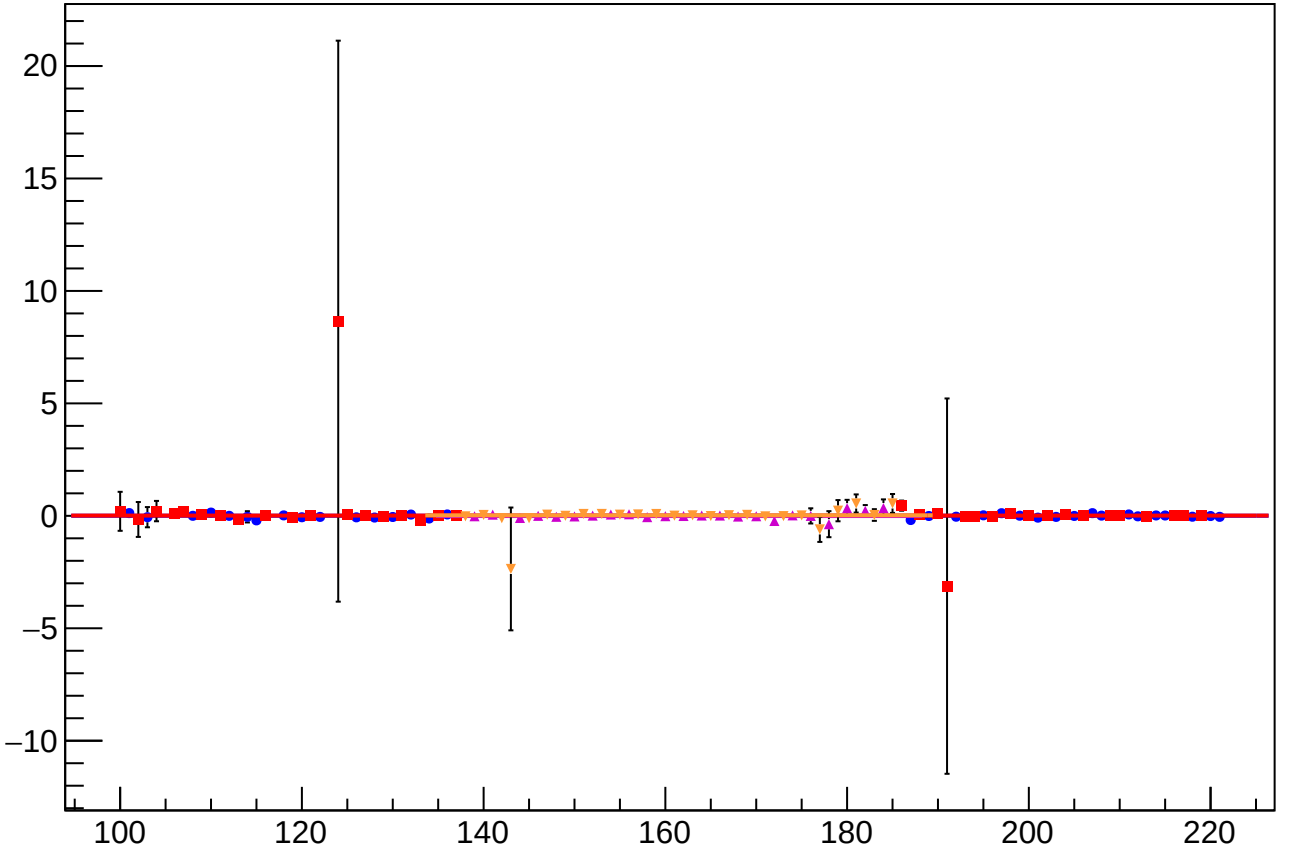
Right: 0.000+/-0.000 χ^2/NDF: 15442333.3/70

In: 0.000+/-0.000 χ^2/NDF:14574605.1/56

Out: 0.000+/-0.000 χ^2/NDF:16772039.7/61

All: 0.000+/-0.000 χ^2/NDF: 31729031.4/118

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: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

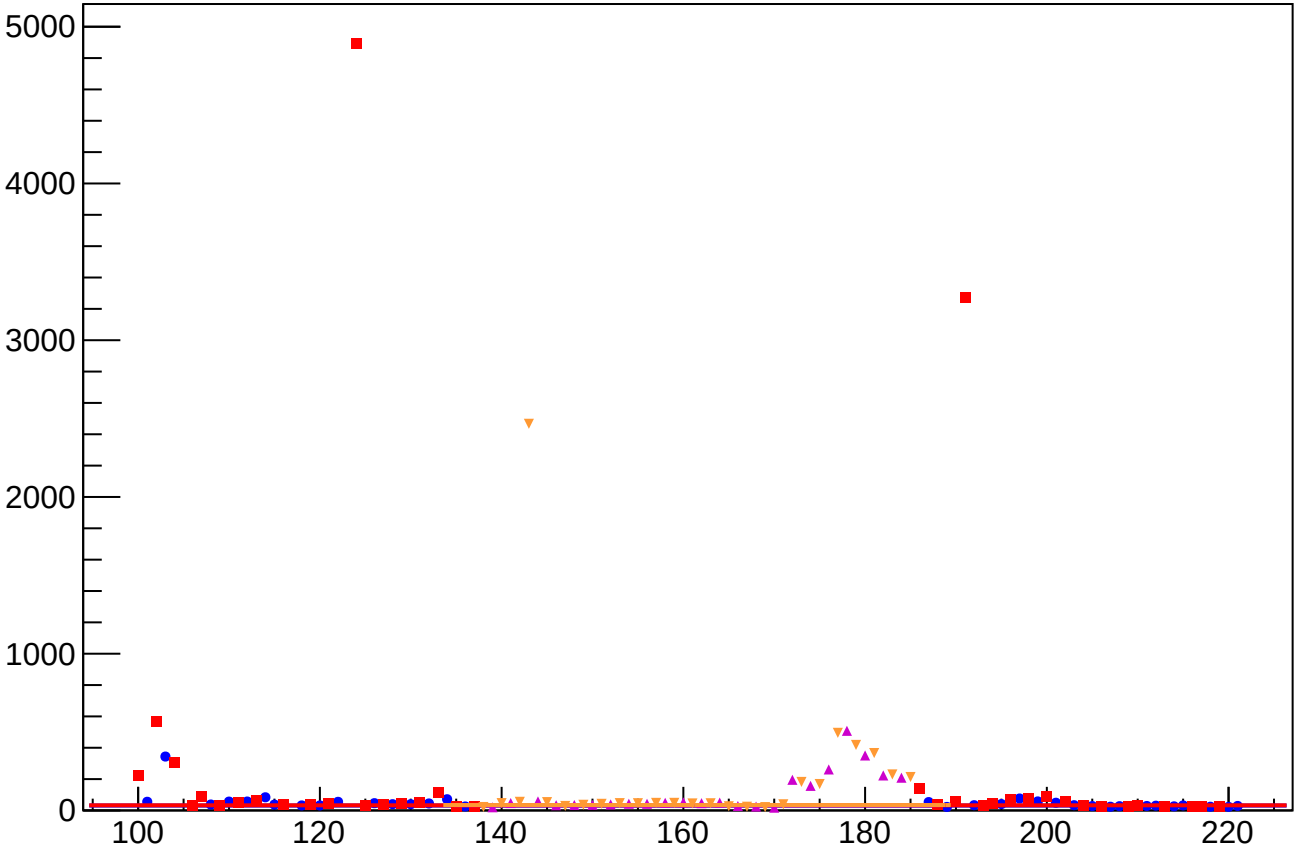
Right: 0.007+/-0.006 χ^2/NDF: 74.5/70

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 117.5/118

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: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

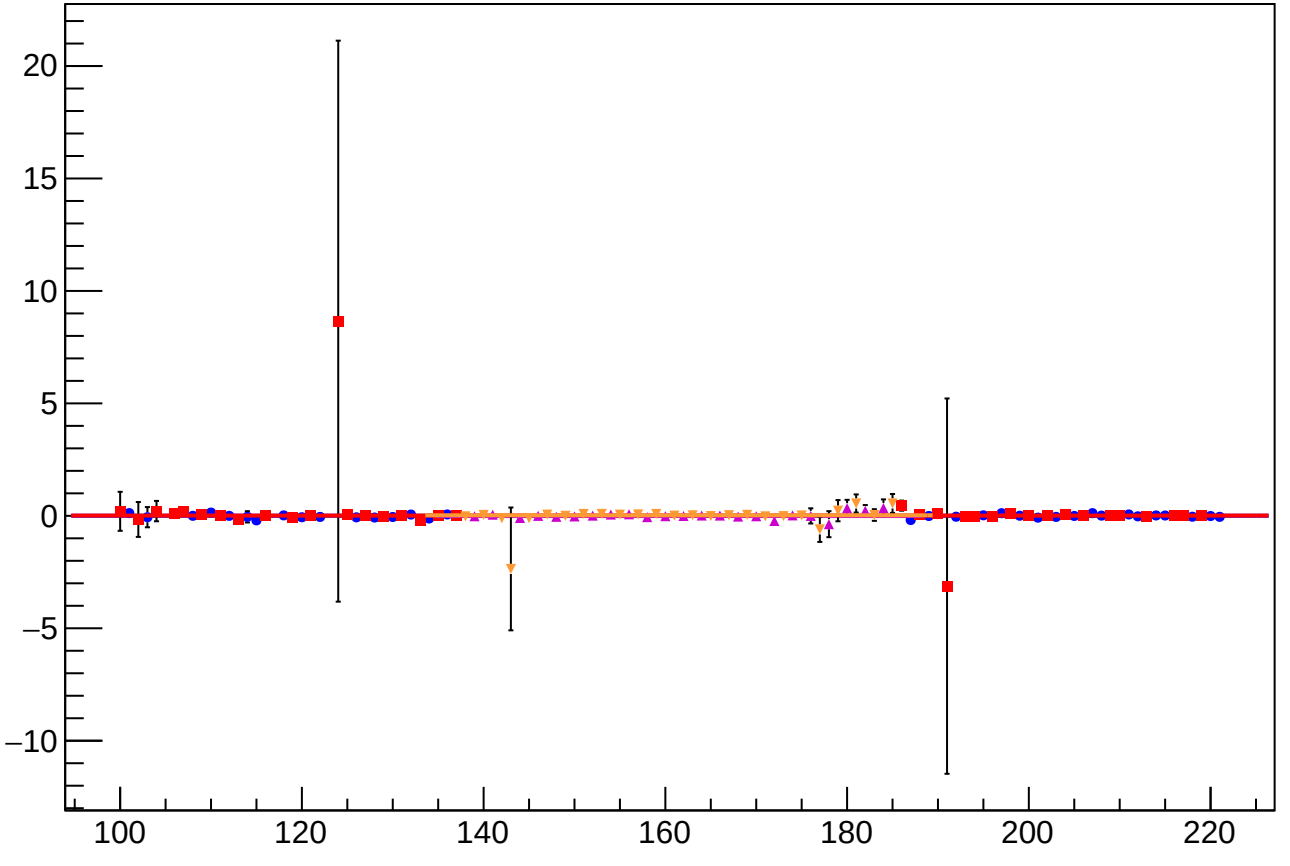
Right: 31.938+/-0.004 χ^2/NDF: 11085291.1/70

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 32.782+/-0.003 χ^2/NDF: 32677374.9/118

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: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

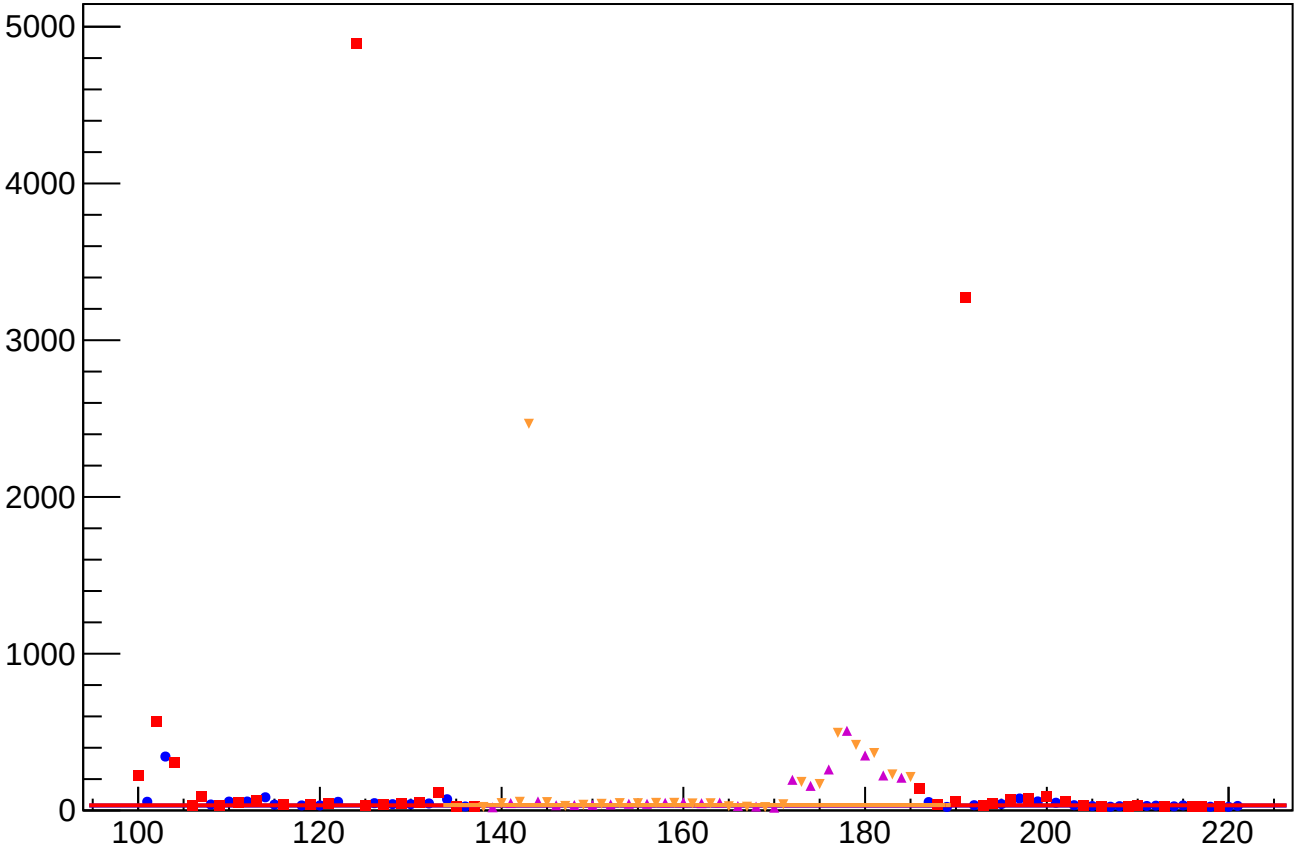
Right: 0.007+/-0.006 χ^2/NDF: 74.5/70

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 117.5/118

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: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

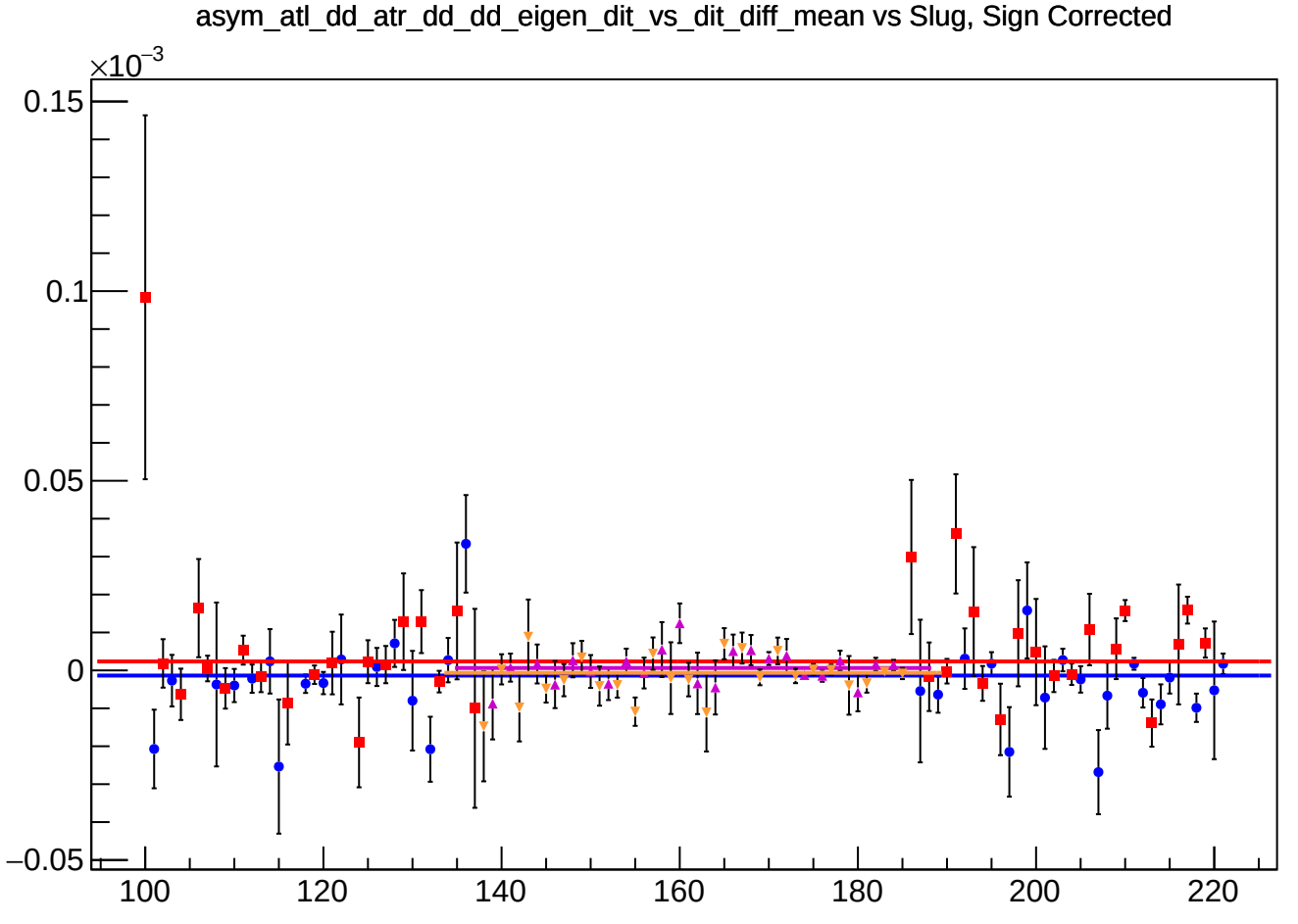
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 31.938+/-0.004 χ^2/NDF: 11085291.1/70

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 32.782+/-0.003 χ^2/NDF: 32677374.9/118



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: 85.6/36

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

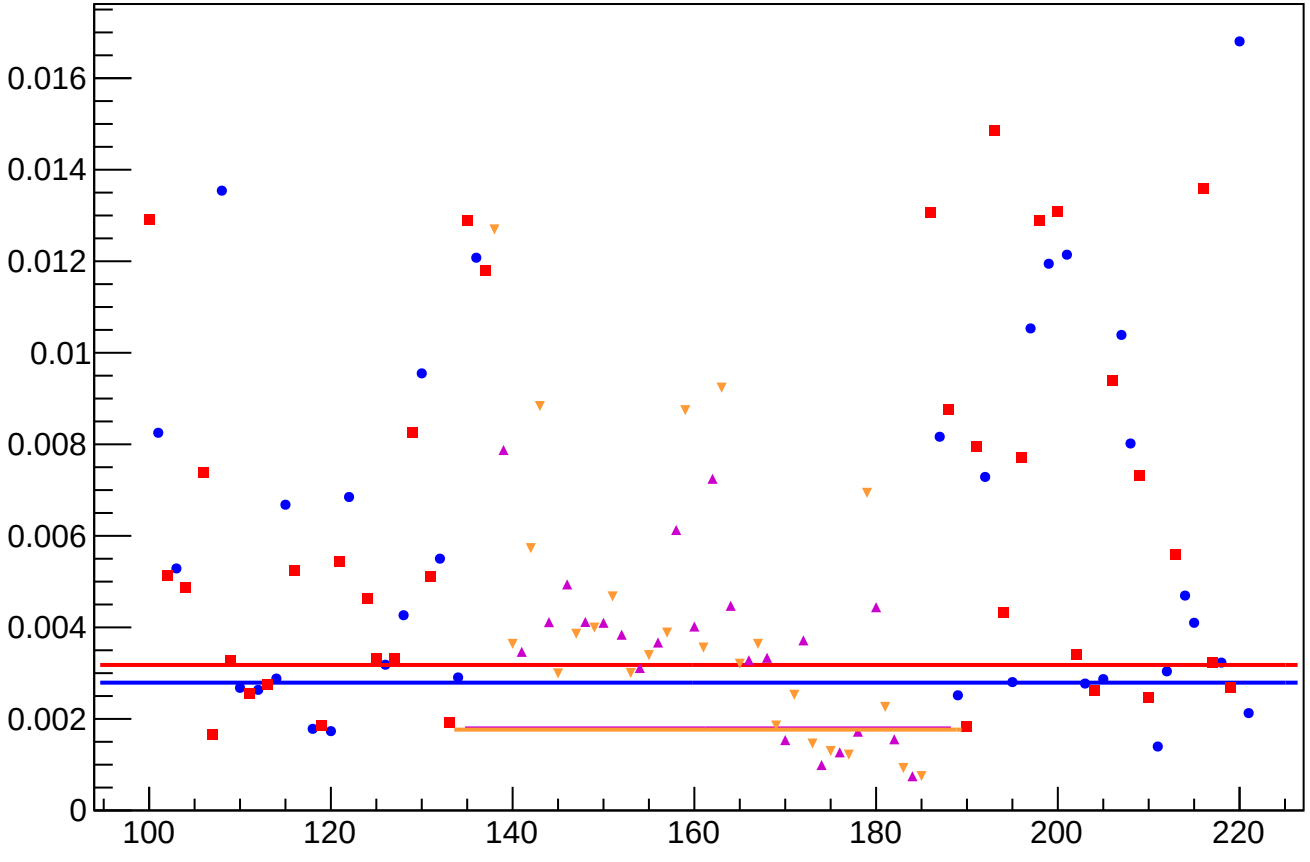
Right: 0.000+/-0.000 χ^2/NDF: 148.0/70

In: -0.000+/-0.000 χ^2/NDF:78.1/56

Out: 0.000+/-0.000 χ^2/NDF:123.2/61

All: 0.000+/-0.000 χ^2/NDF: 201.5/118

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: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

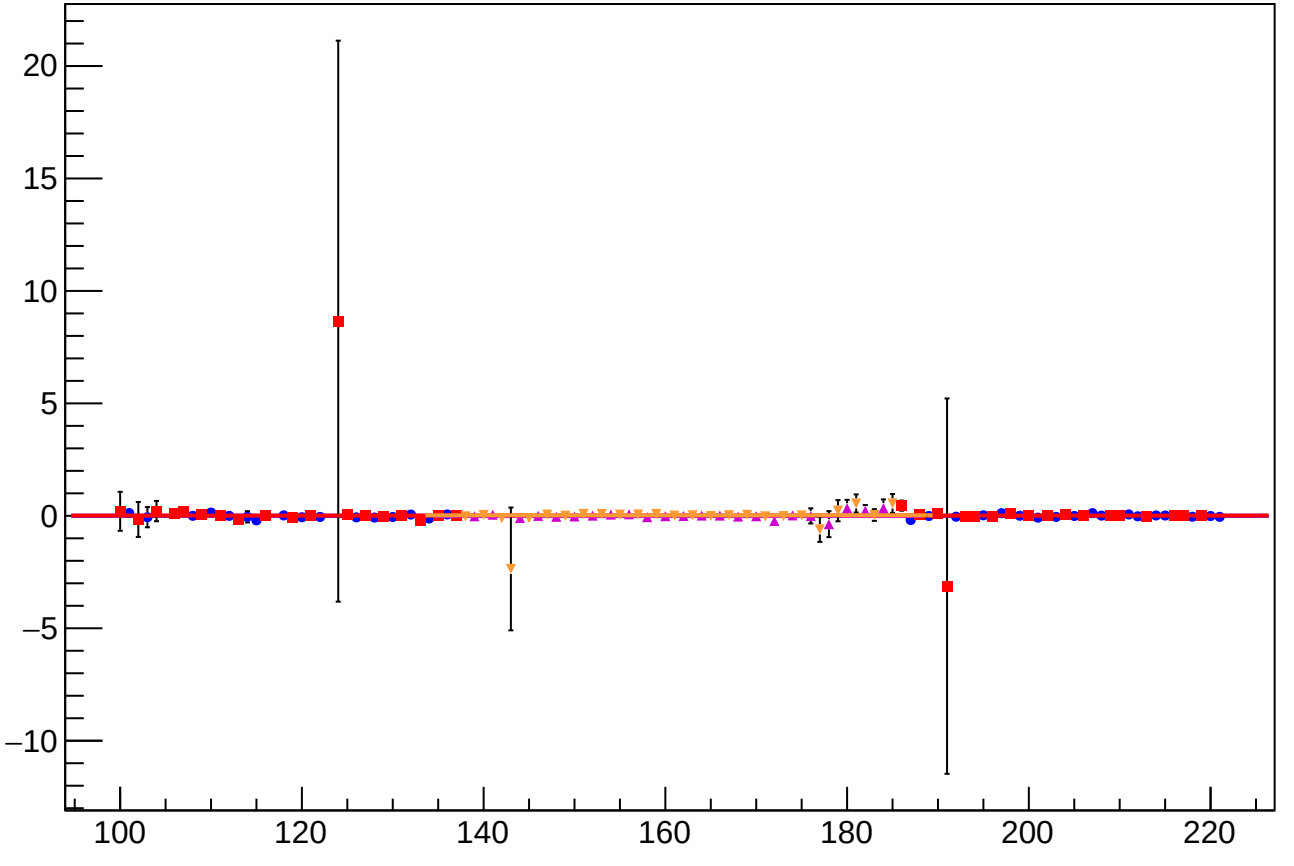
Right: 0.003+/-0.000 χ^2/NDF: 24734585.5/70

In: 0.002+/-0.000 χ^2/NDF:25947141.6/56

Out: 0.002+/-0.000 χ^2/NDF:28698438.0/61

All: 0.002+/-0.000 χ^2/NDF: 54646647.9/118

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: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

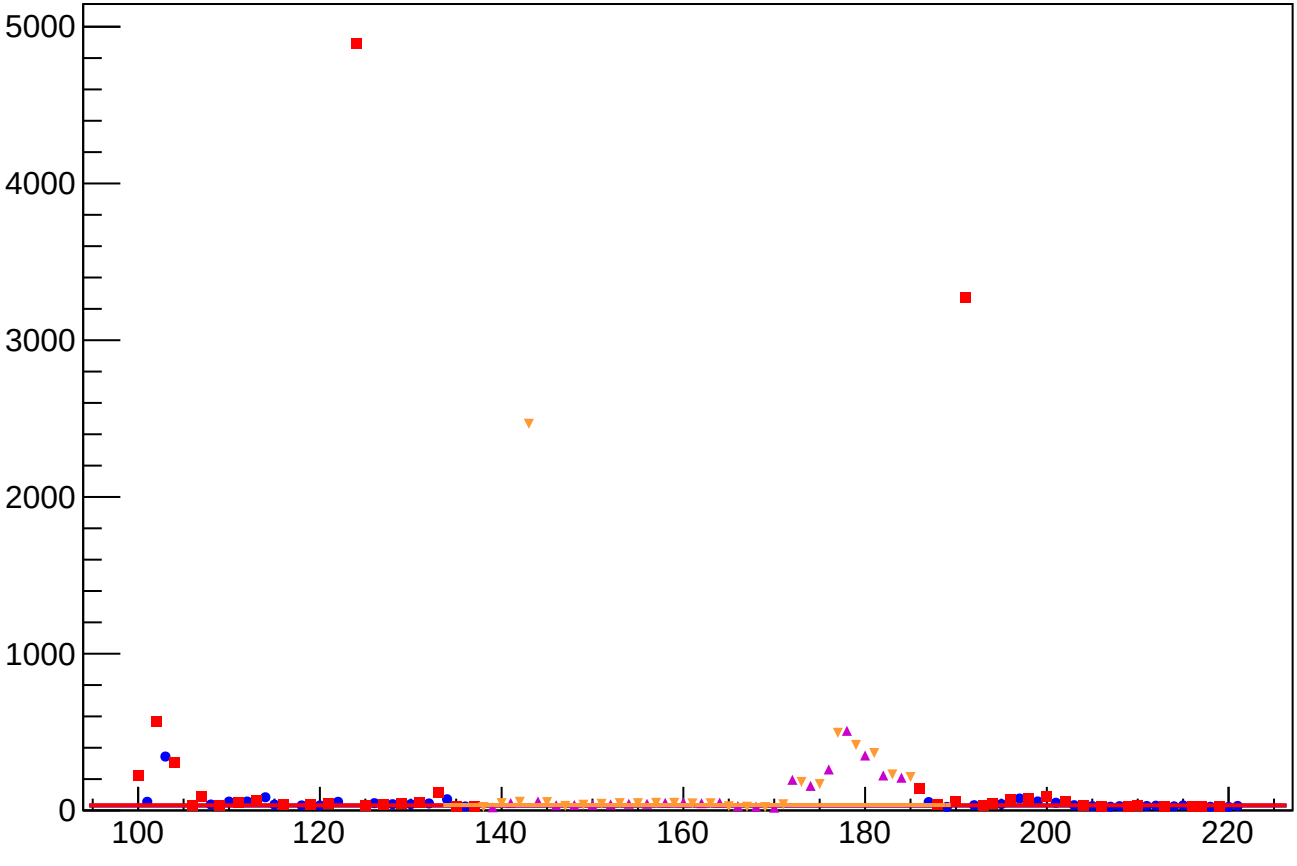
Right: 0.007+/-0.006 χ^2/NDF: 74.5/70

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 117.5/118

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: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

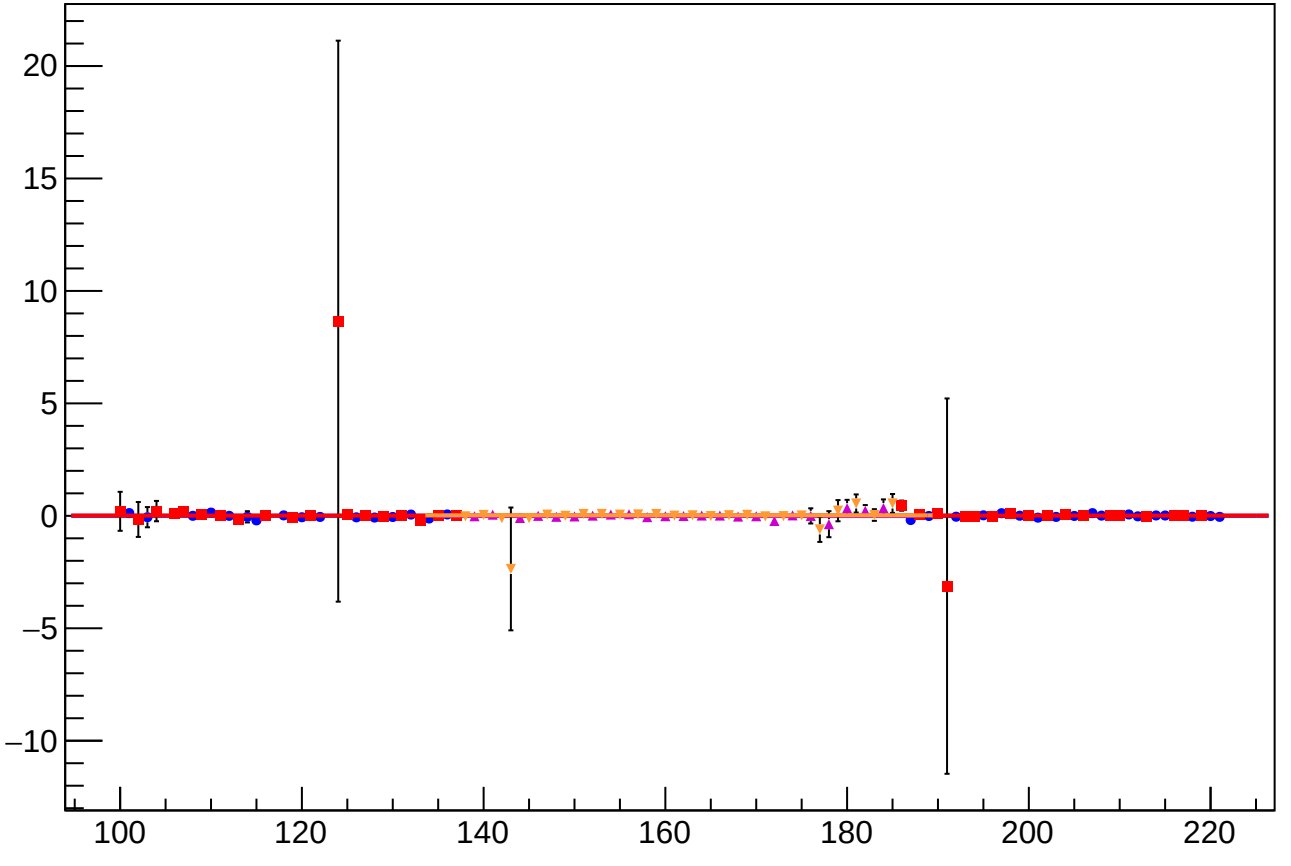
Right: 31.939+/-0.004 χ^2/NDF: 11083967.0/70

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 32.783+/-0.003 χ^2/NDF: 32674749.4/118

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: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

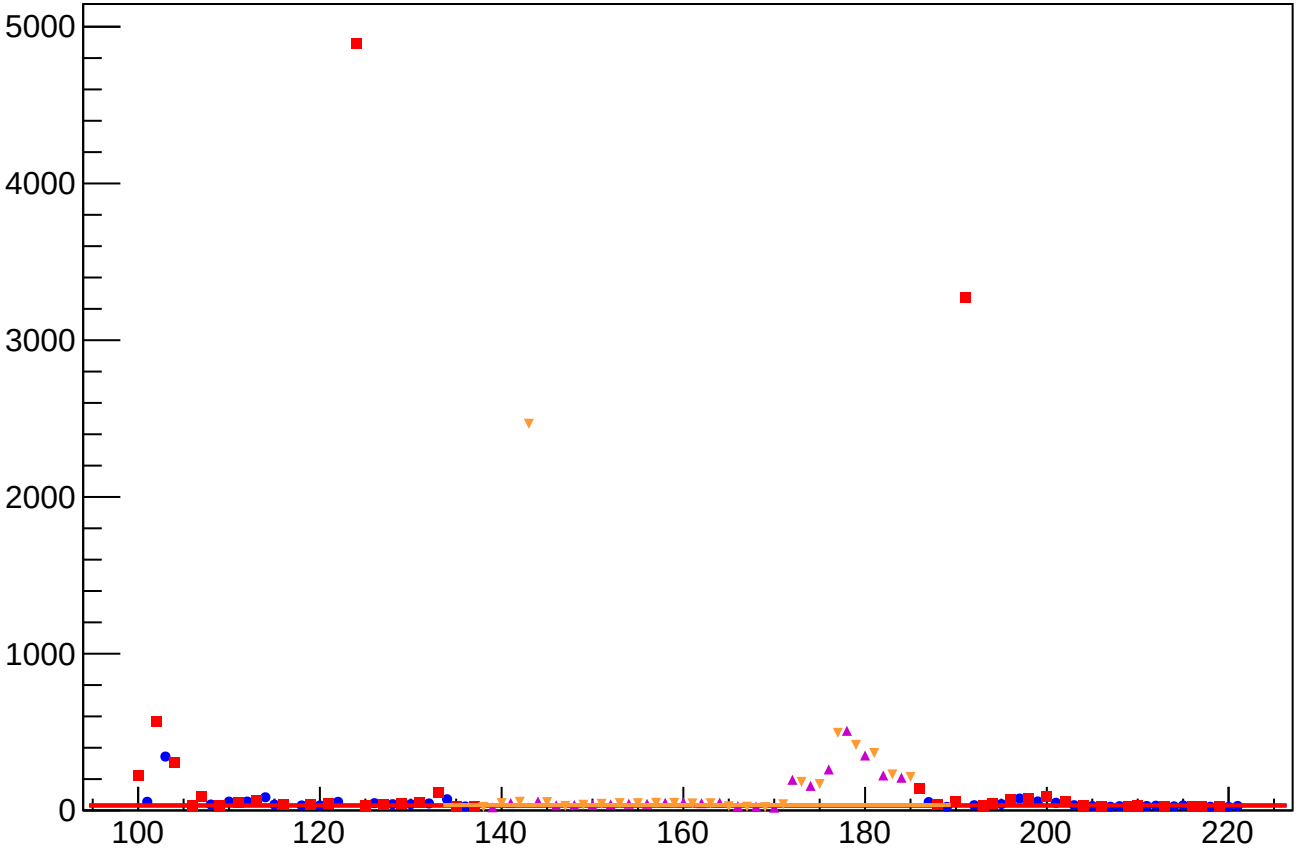
Right: 0.007+/-0.006 χ^2/NDF: 74.5/70

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 117.5/118

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: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

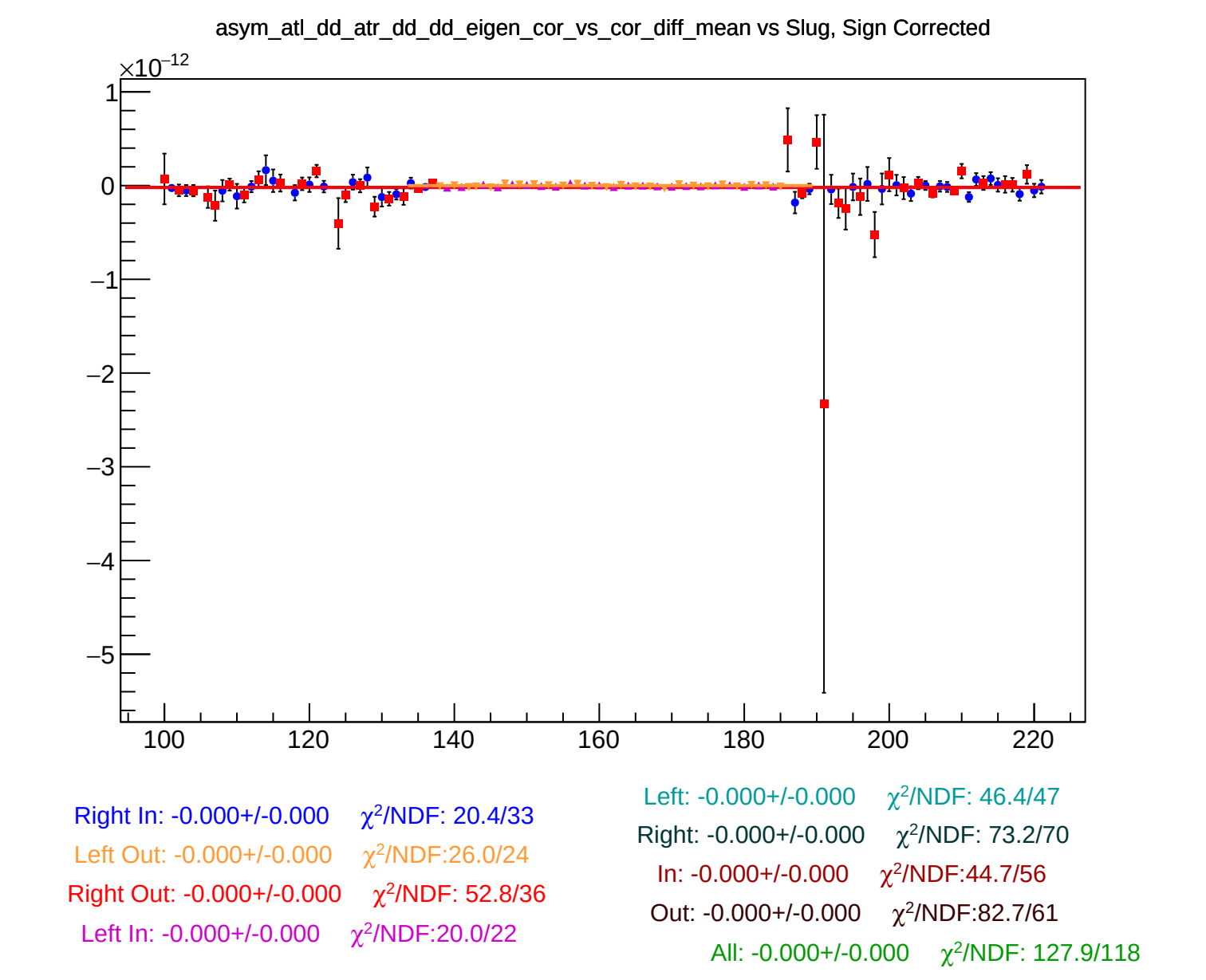
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

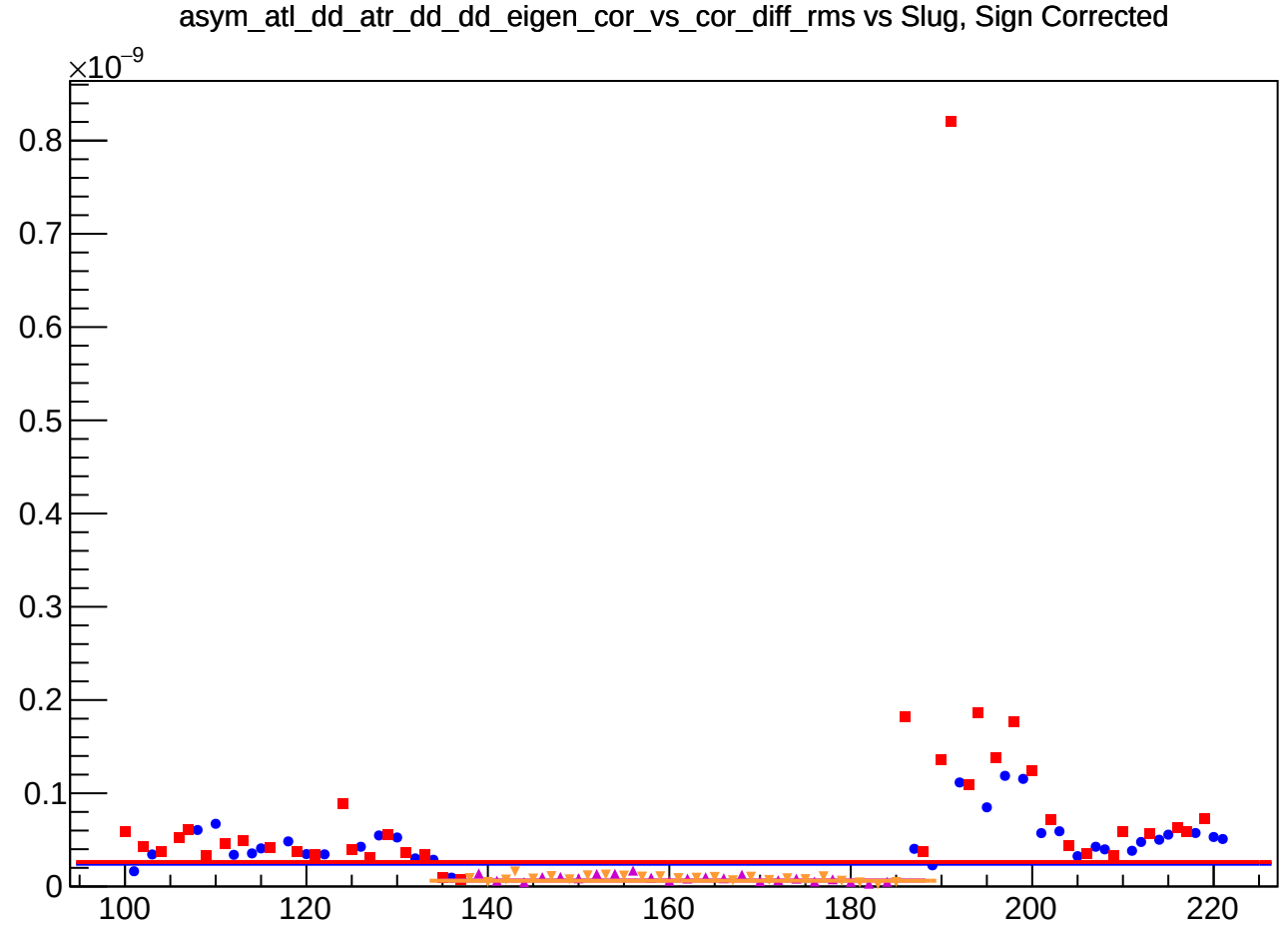
Right: 31.939+/-0.004 χ^2/NDF: 11083967.0/70

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 32.783+/-0.003 χ^2/NDF: 32674749.4/118


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: 52.8/36
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: 73.2/70
In: -0.000+/-0.000 χ²/NDF:44.7/56
Out: -0.000+/-0.000 χ²/NDF:82.7/61
All: -0.000+/-0.000 χ²/NDF: 127.9/118



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: 11712452.7/36

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

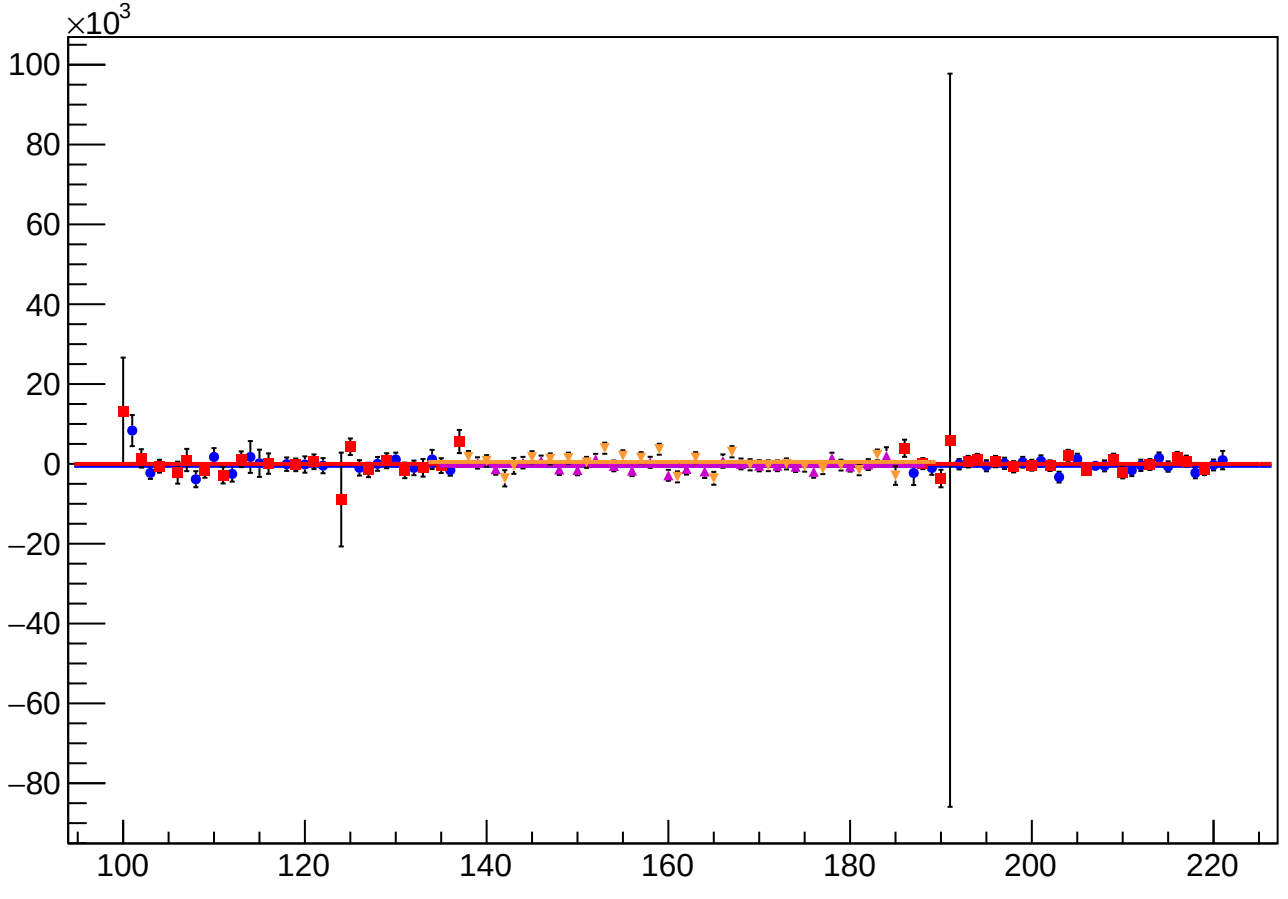
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 21363490.4/70

In: 0.000+/-0.000 χ^2/NDF:21914249.1/56

Out: 0.000+/-0.000 χ^2/NDF:25199543.3/61

All: 0.000+/-0.000 χ^2/NDF: 47167845.9/118



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: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

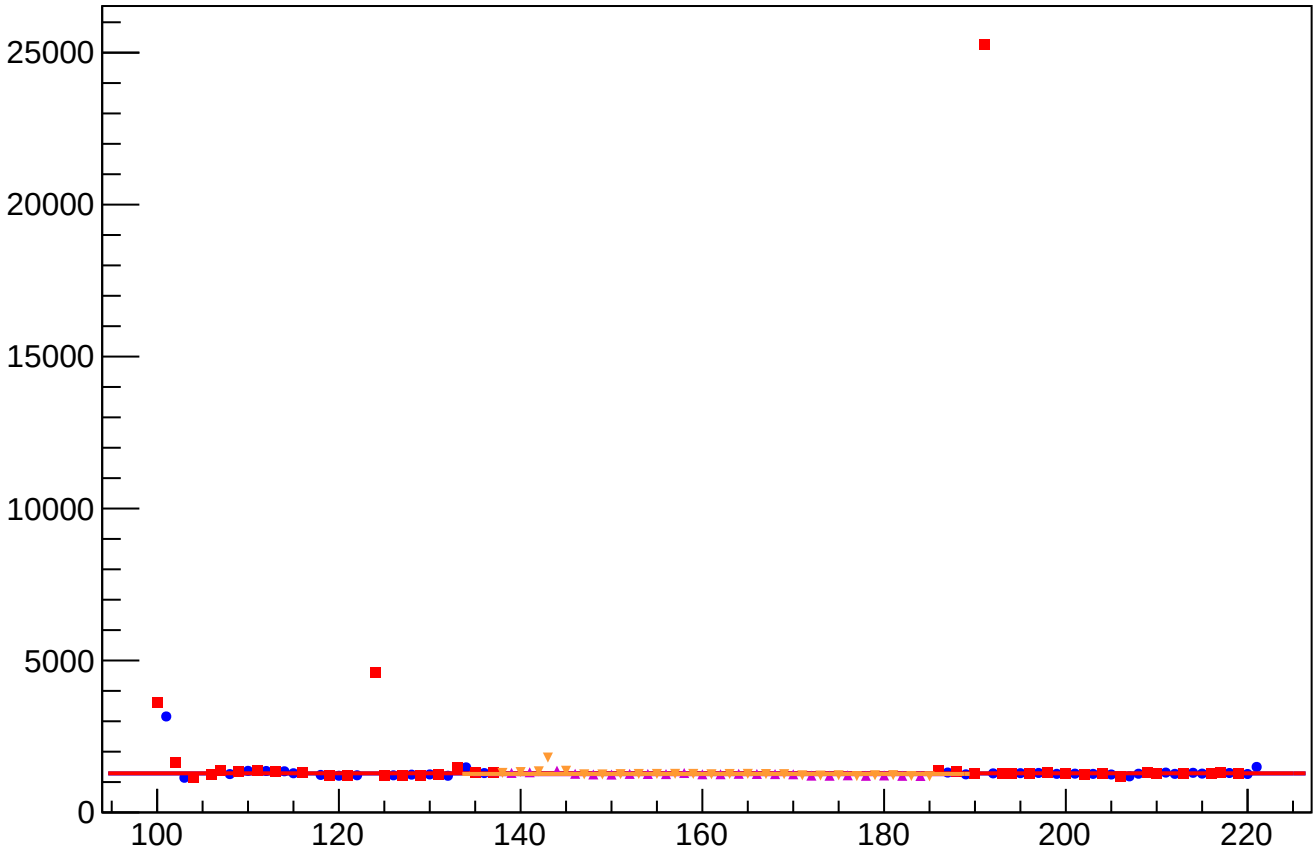
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -251.770+/-198.135 χ^2/NDF: 61.5/70

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -125.159+/-142.747 χ^2/NDF: 129.4/118



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: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

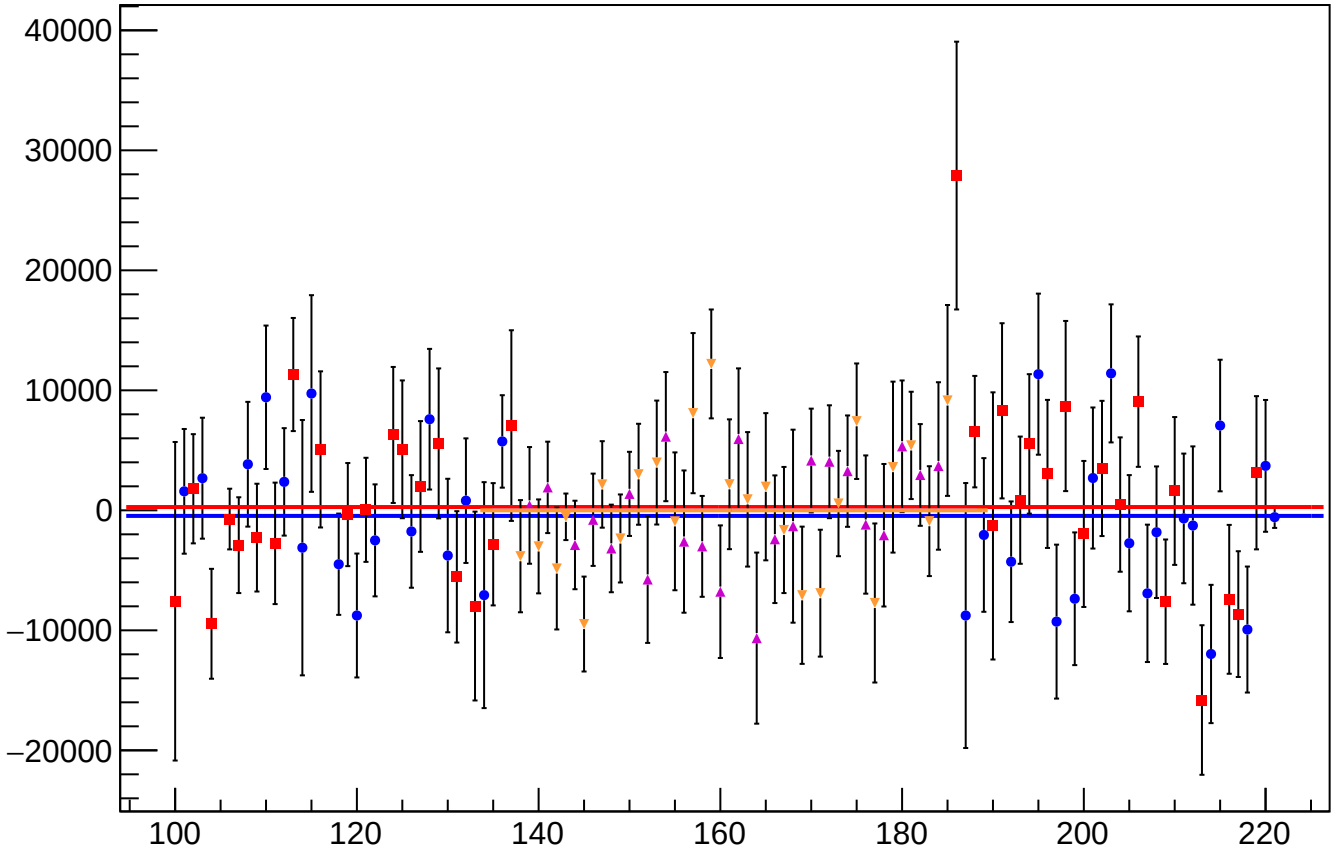
Right: 1285.265+/-0.140 χ^2/NDF: 1032714.5/70

In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1274.247+/-0.101 χ^2/NDF: 1270999.6/11

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: 274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

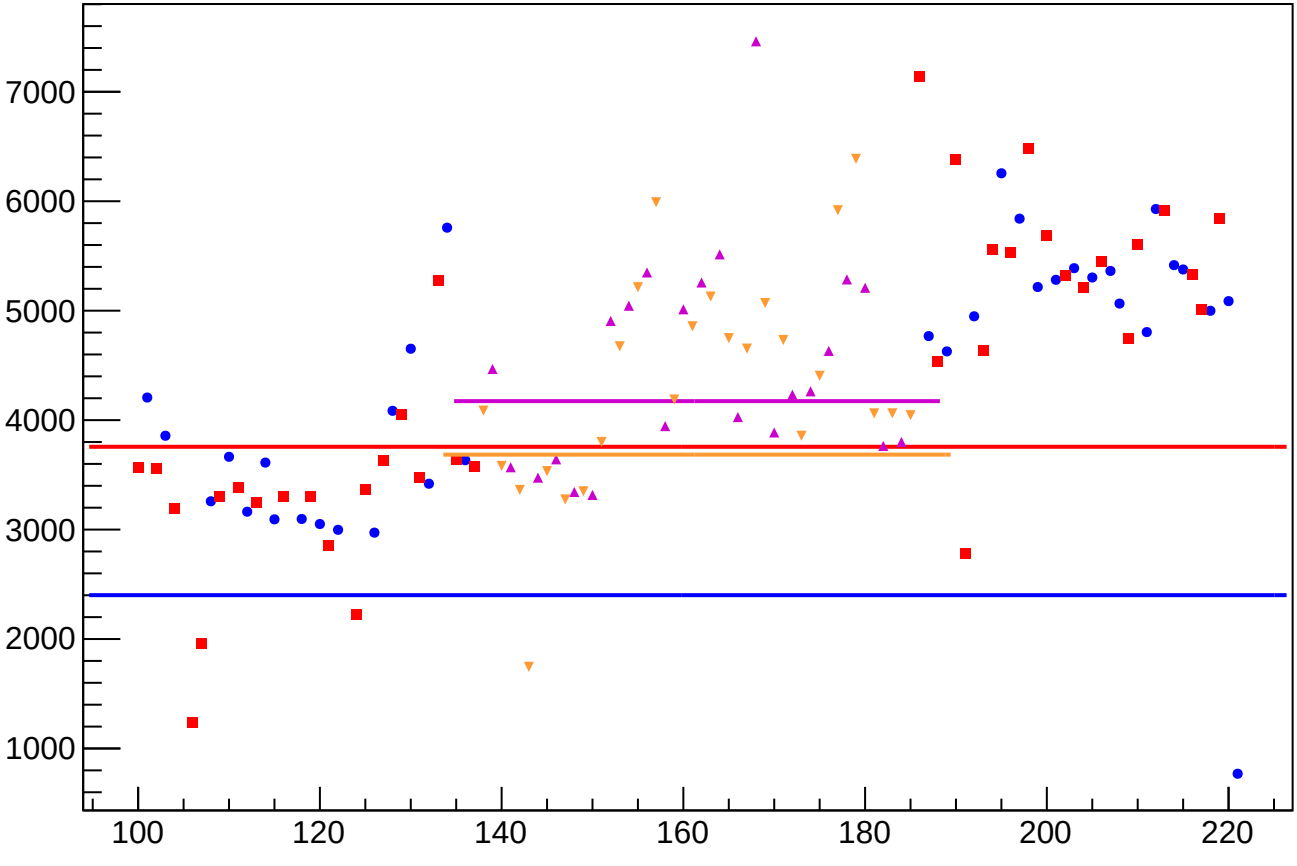
Right: -198.811+/-525.480 χ^2/NDF: 85.9/70

In: -314.185+/-548.187 χ^2/NDF:52.8/56

Out: 138.465+/-623.096 χ^2/NDF:75.9/61

All: -116.692+/-411.577 χ^2/NDF: 129.0/118

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: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

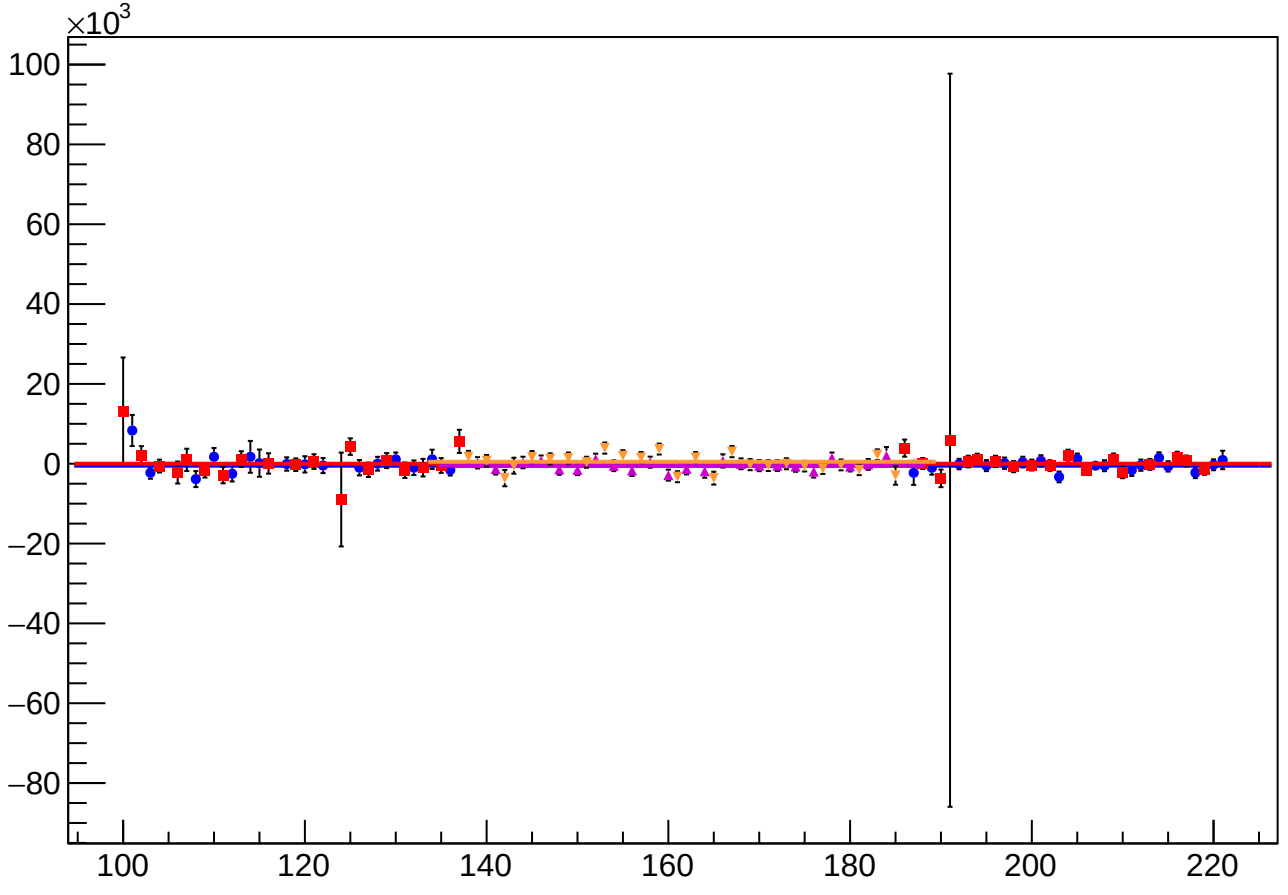
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 2888.699+/-0.372 χ^2/NDF: 25280481.9/70

In: 2938.607+/-0.388 χ^2/NDF:22341141.1/56

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3279.983+/-0.291 χ^2/NDF: 33386929.1/1



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: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

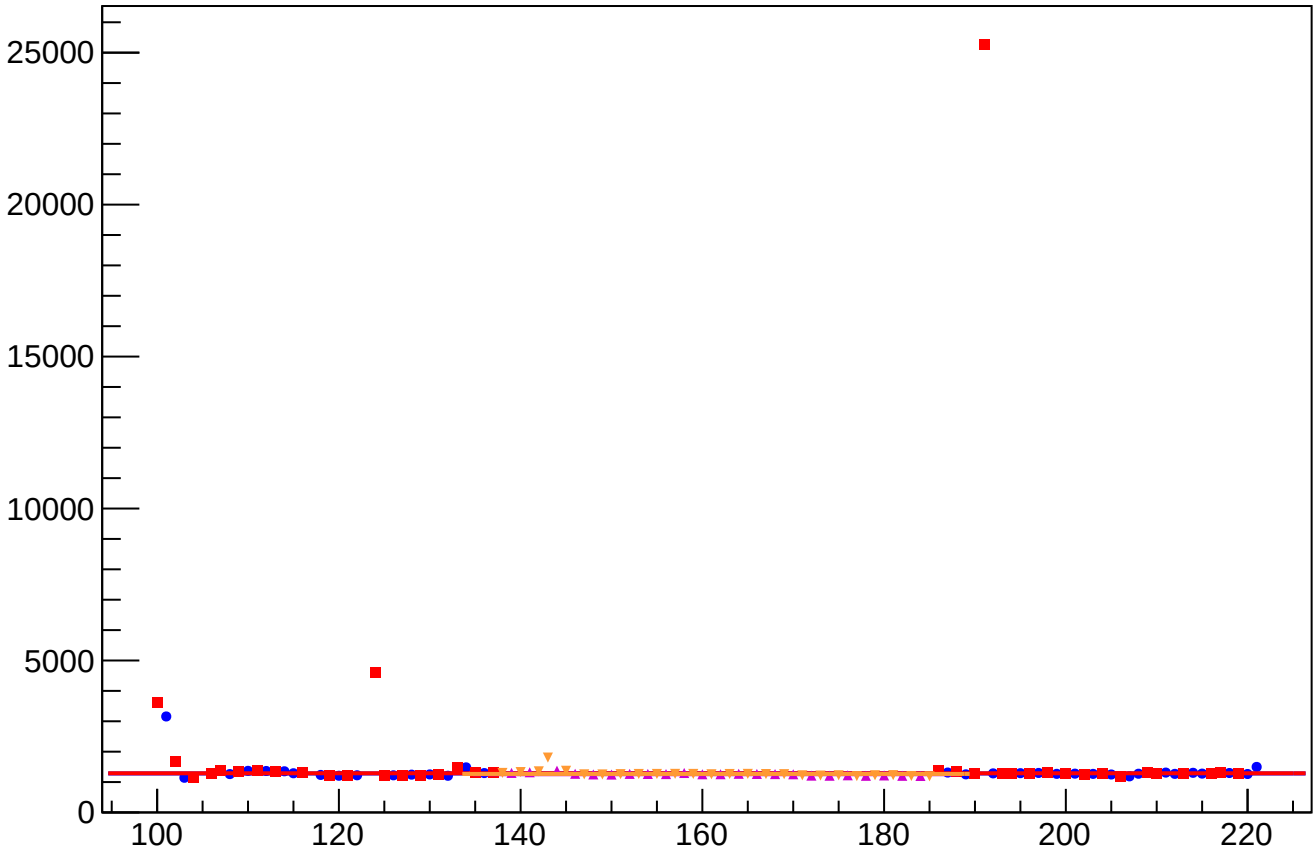
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.104+/-198.157 χ^2/NDF: 62.0/70

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -122.695+/-142.756 χ^2/NDF: 129.8/118



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: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

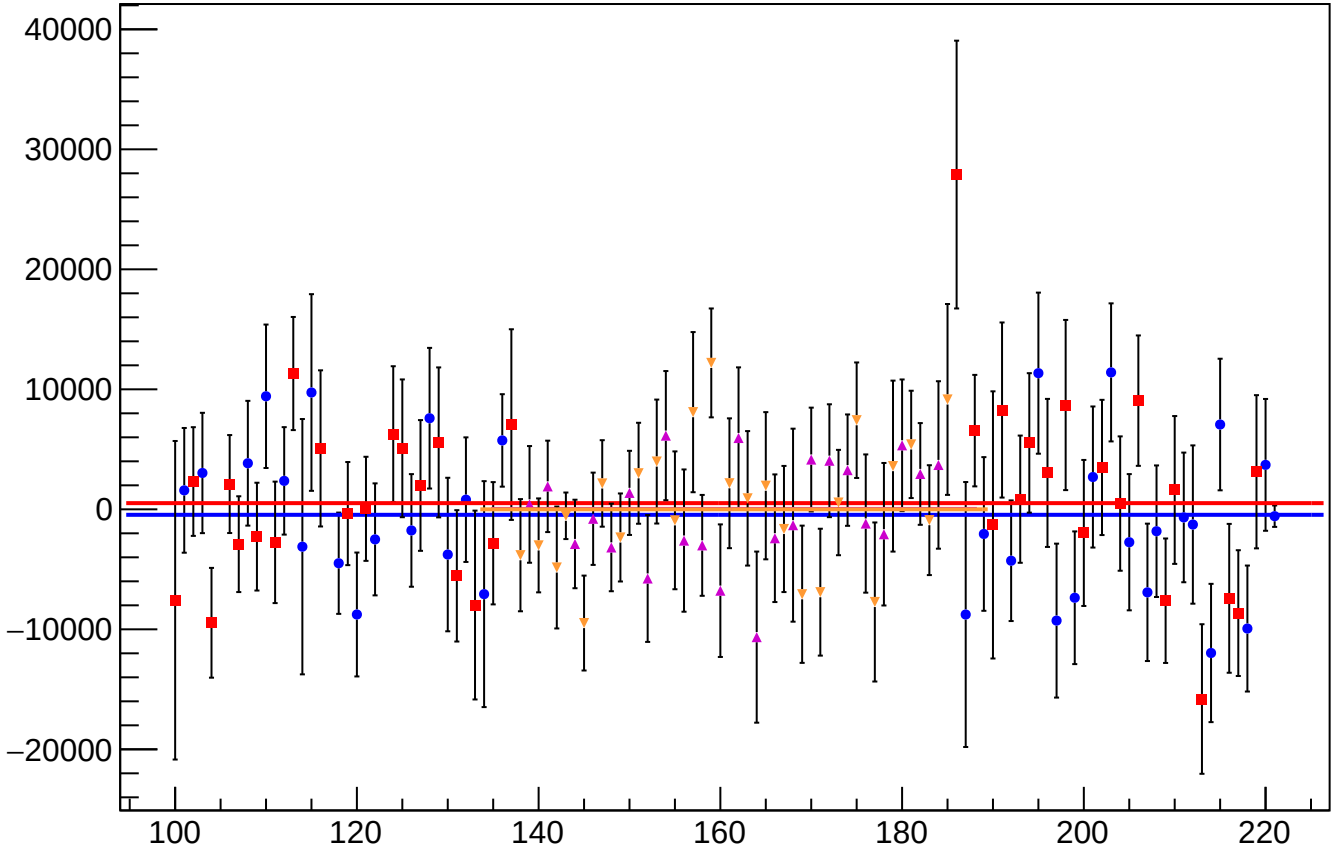
Right: 1285.594+/-0.140 χ^2/NDF: 1039731.4/70

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

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: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

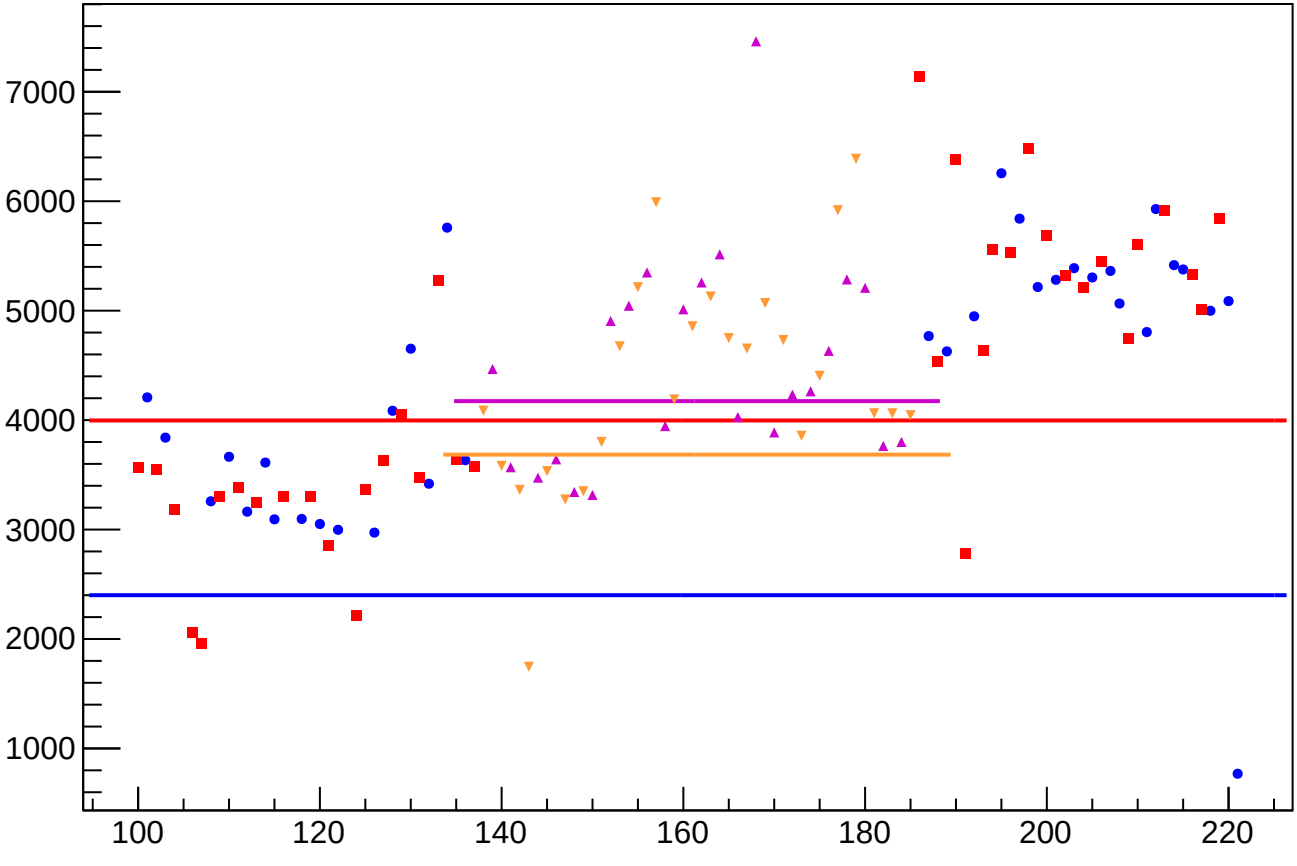
Right: -124.437+/-532.481 χ^2/NDF: 86.3/70

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: -70.182+/-414.914 χ^2/NDF: 129.4/118

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: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

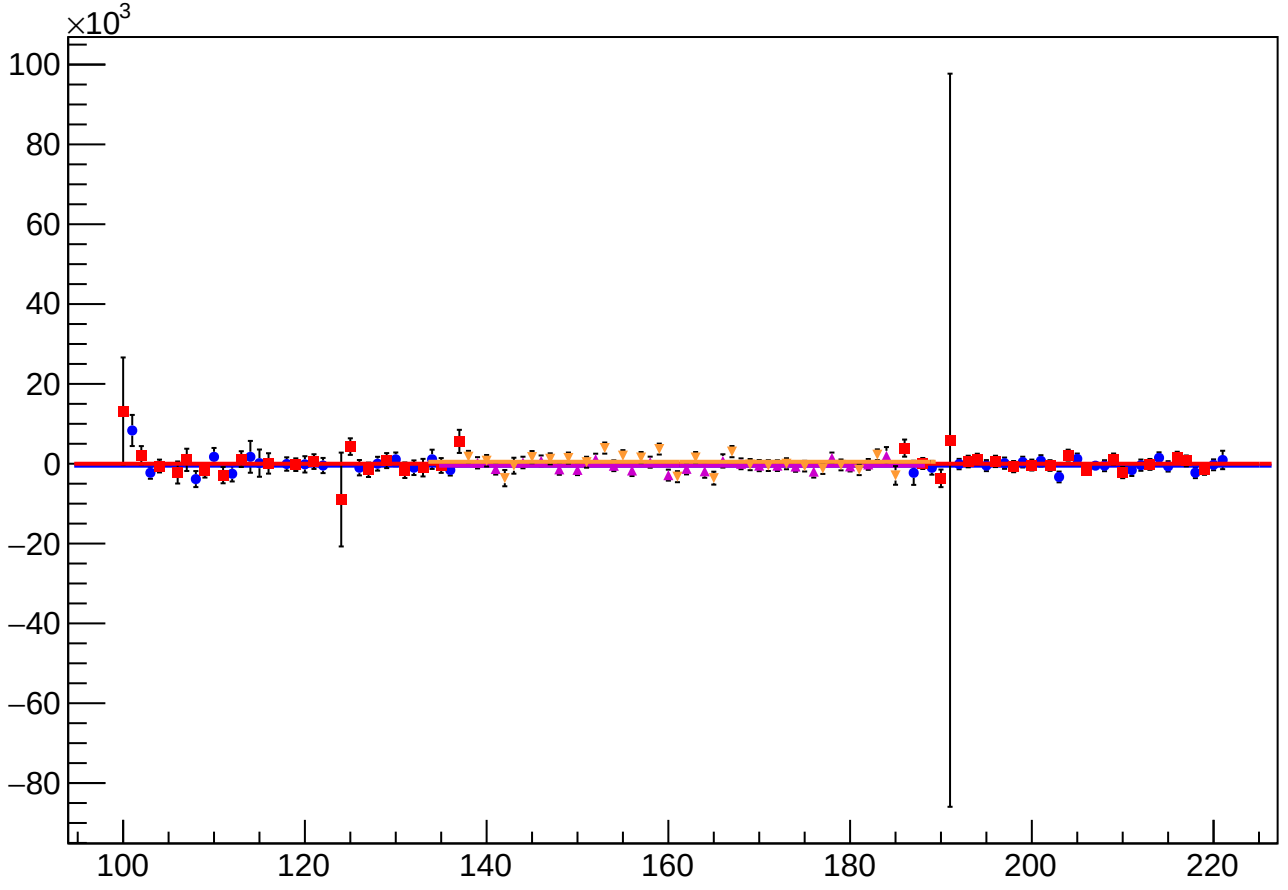
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2946.860+/-0.377 χ^2/NDF: 24496945.6/70

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/



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: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

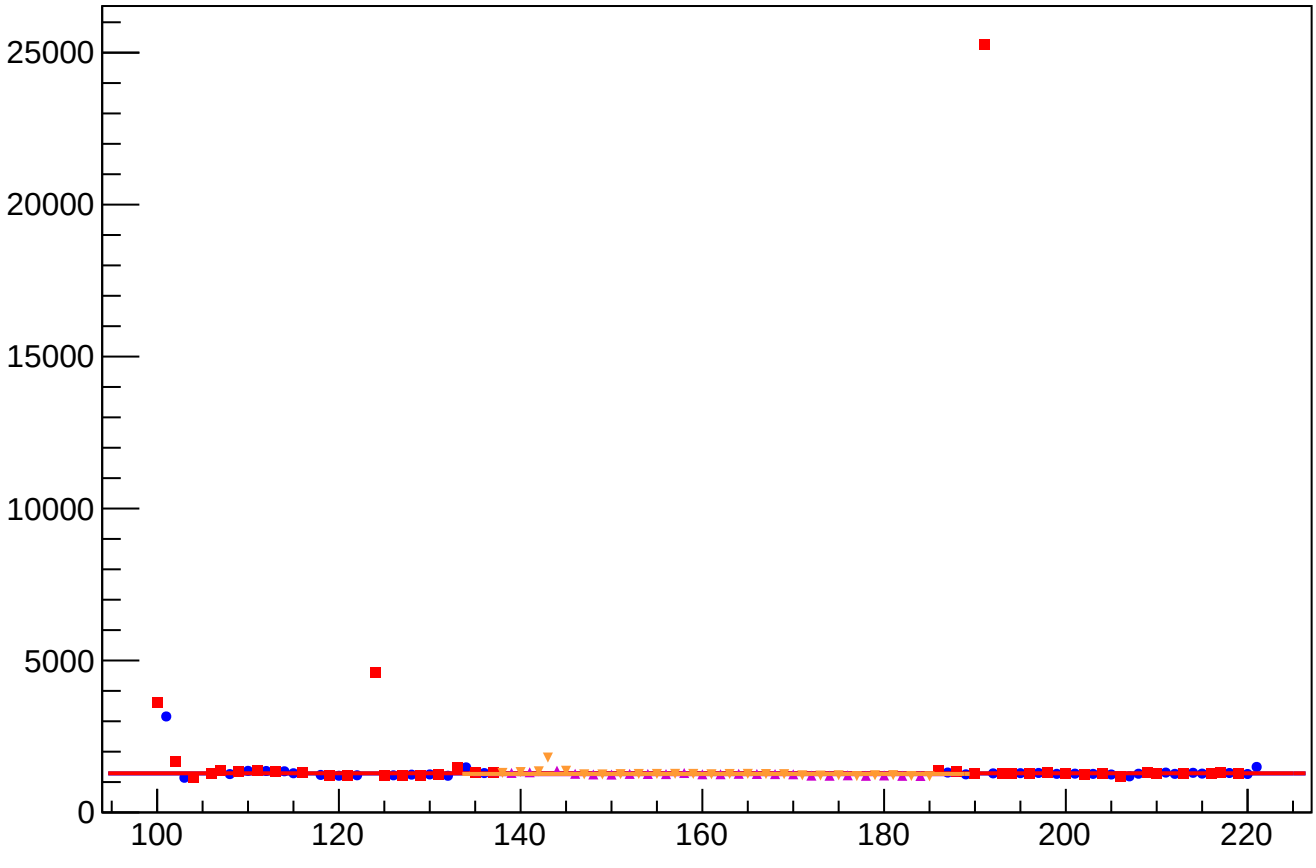
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.104+/-198.157 χ^2/NDF: 62.0/70

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -122.695+/-142.756 χ^2/NDF: 129.8/118



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: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

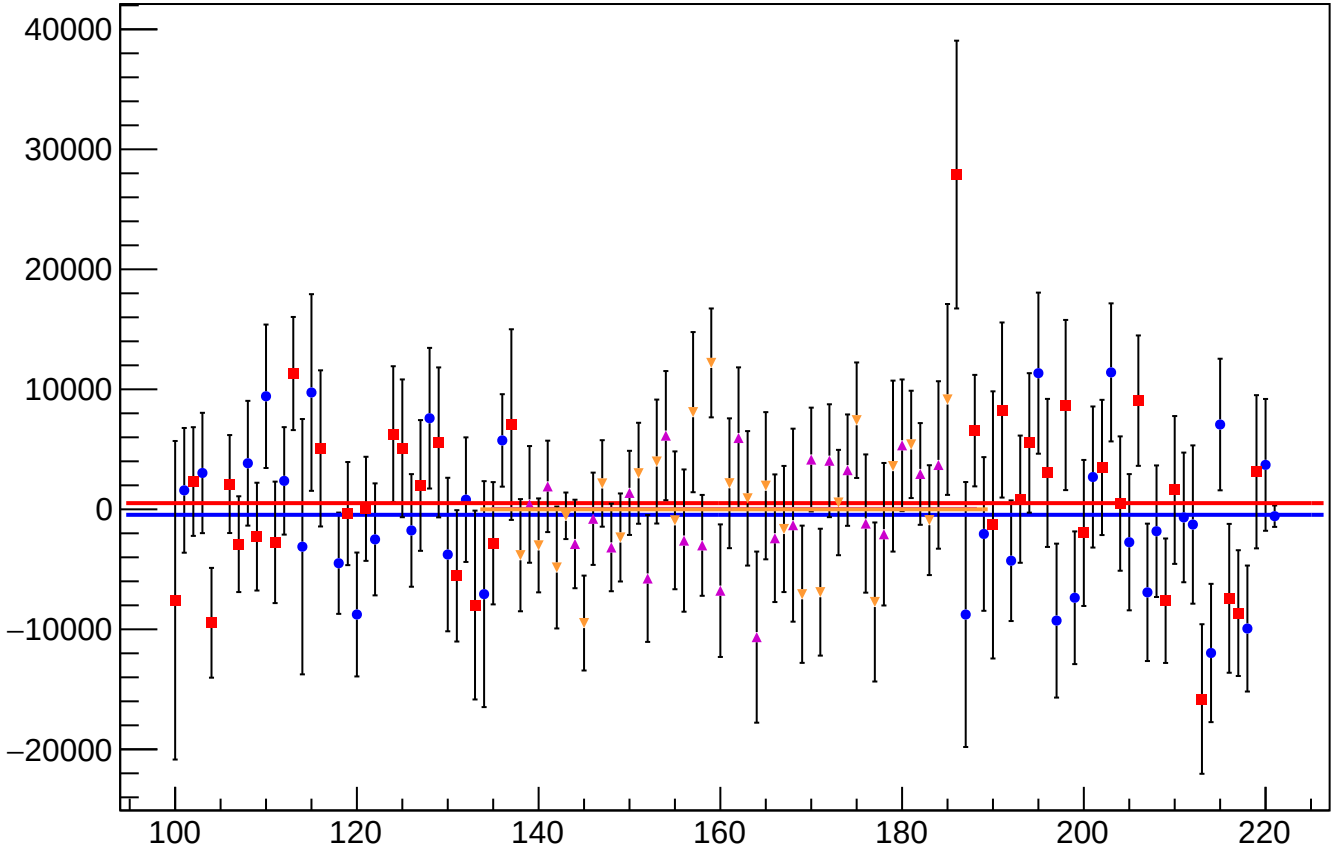
Right: 1285.594+/-0.140 χ^2/NDF: 1039731.4/70

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

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: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

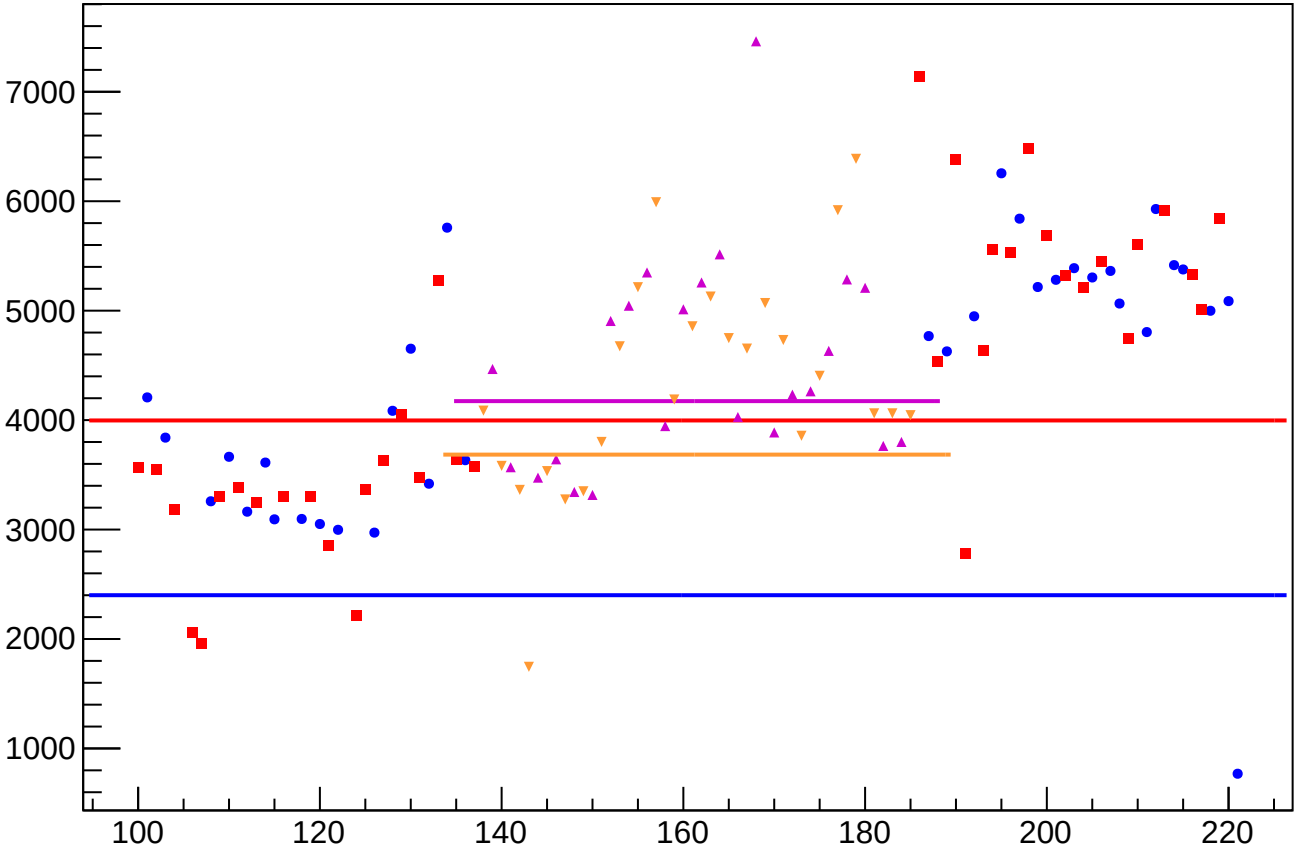
Right: -124.437+/-532.481 χ^2/NDF: 86.3/70

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: -70.182+/-414.914 χ^2/NDF: 129.4/118

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: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

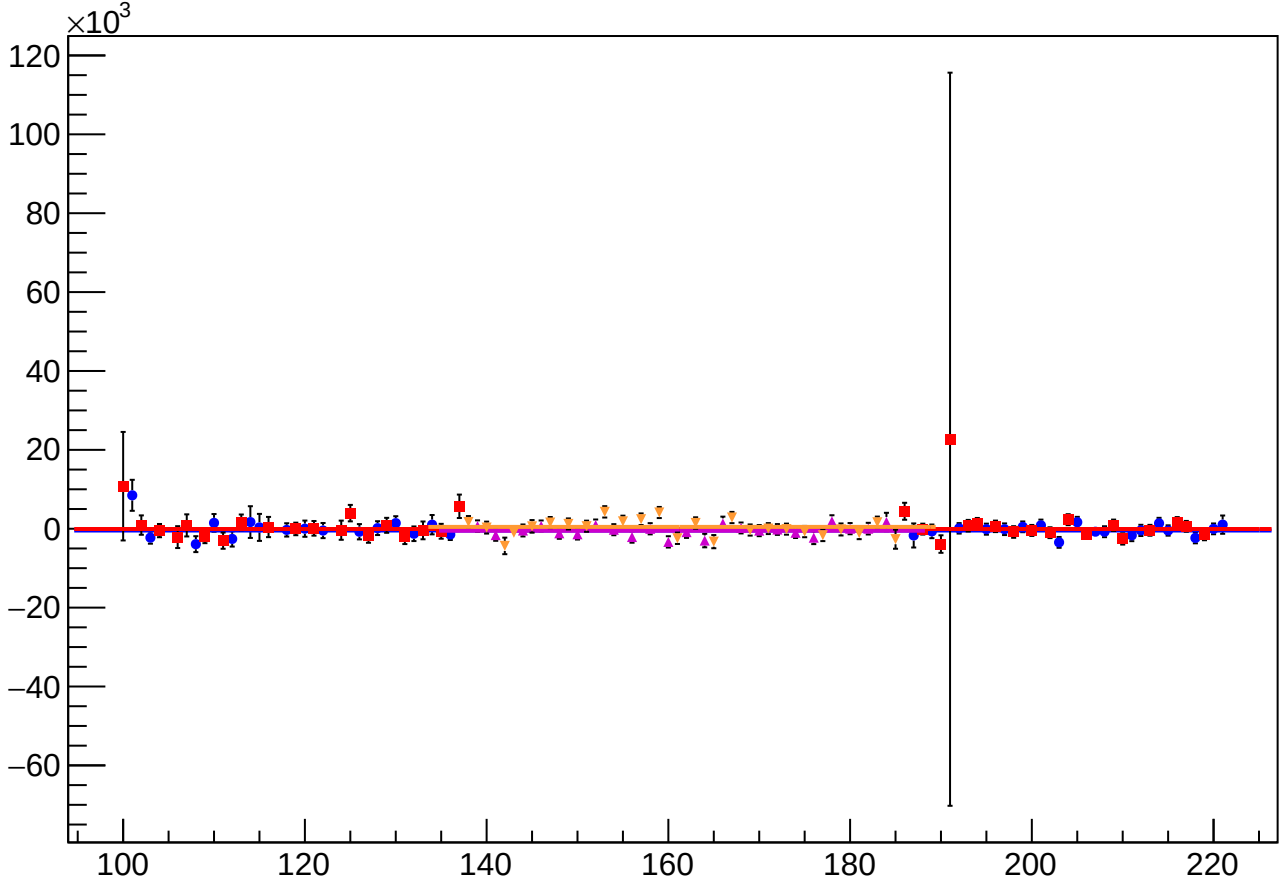
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2946.860+/-0.377 χ^2/NDF: 24496945.6/70

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/



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: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

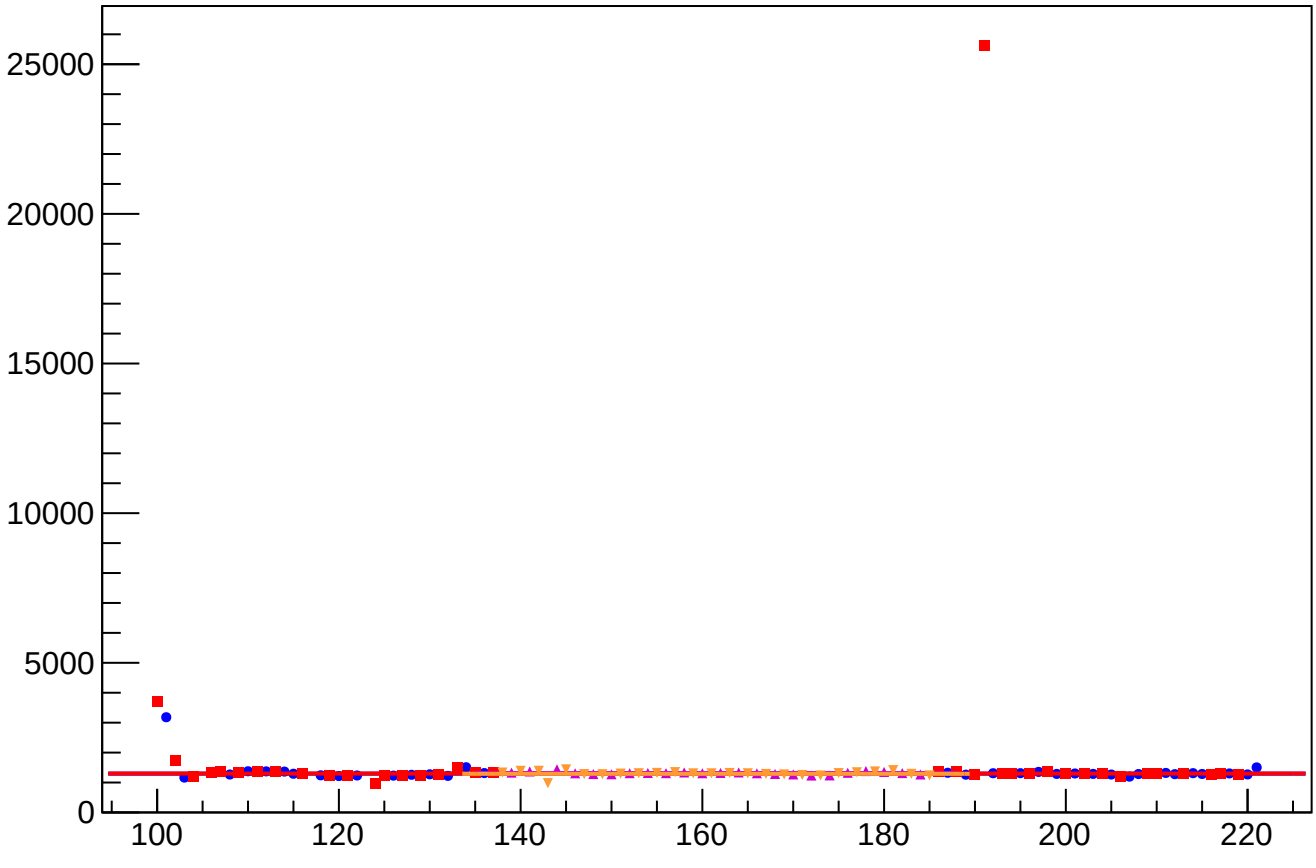
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -258.725+/-200.048 χ^2/NDF: 64.1/70

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -135.794+/-145.643 χ^2/NDF: 131.7/118



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: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

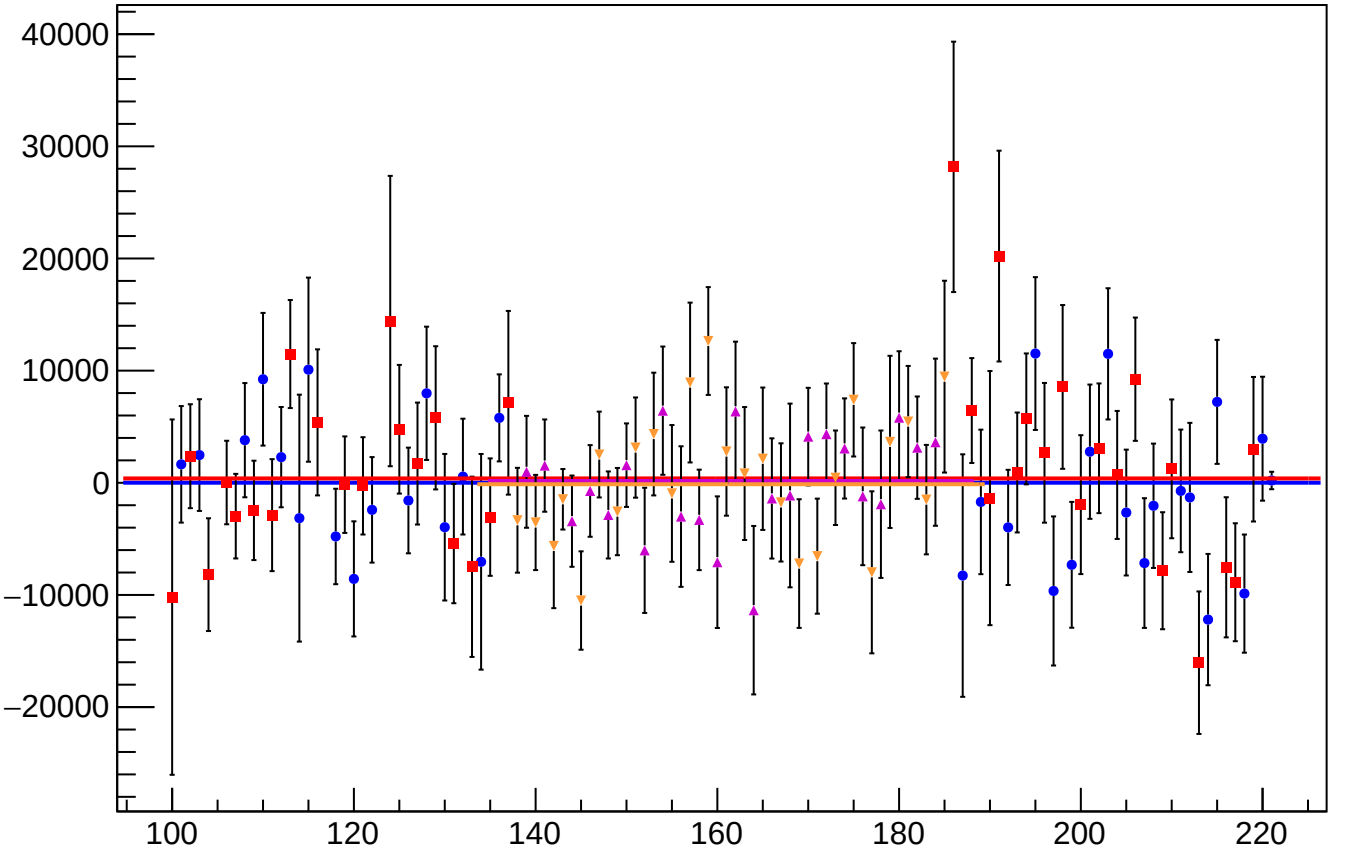
Right: 1298.379+/-0.141 χ^2/NDF: 926768.1/70

In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1300.139+/-0.103 χ^2/NDF: 1206622.8/11

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



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: 389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

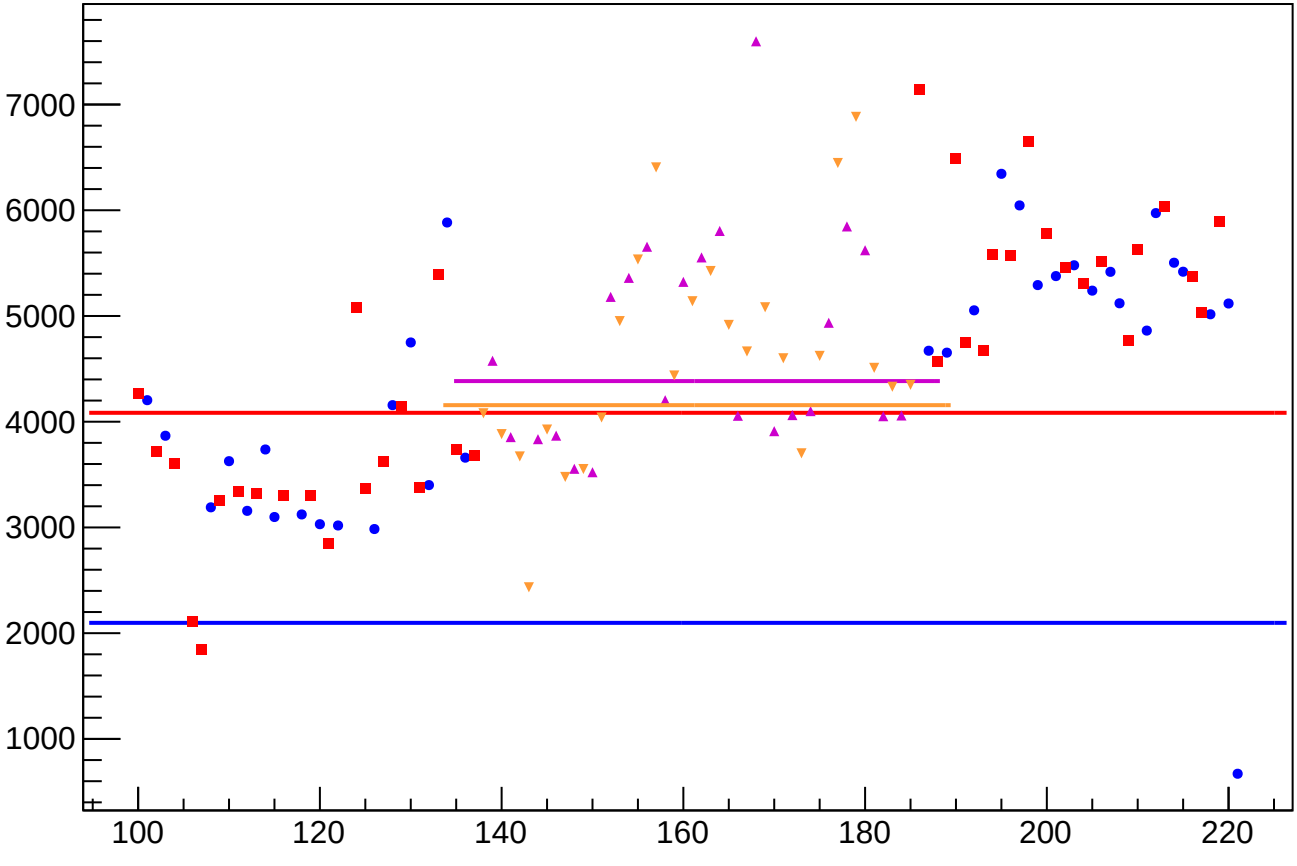
Right: 123.353+/-507.862 χ^2/NDF: 87.3/70

In: 46.484+/-525.409 χ^2/NDF:52.4/56

Out: 145.476+/-671.666 χ^2/NDF:77.2/61

All: 84.064+/-413.835 χ^2/NDF: 129.7/118

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



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: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

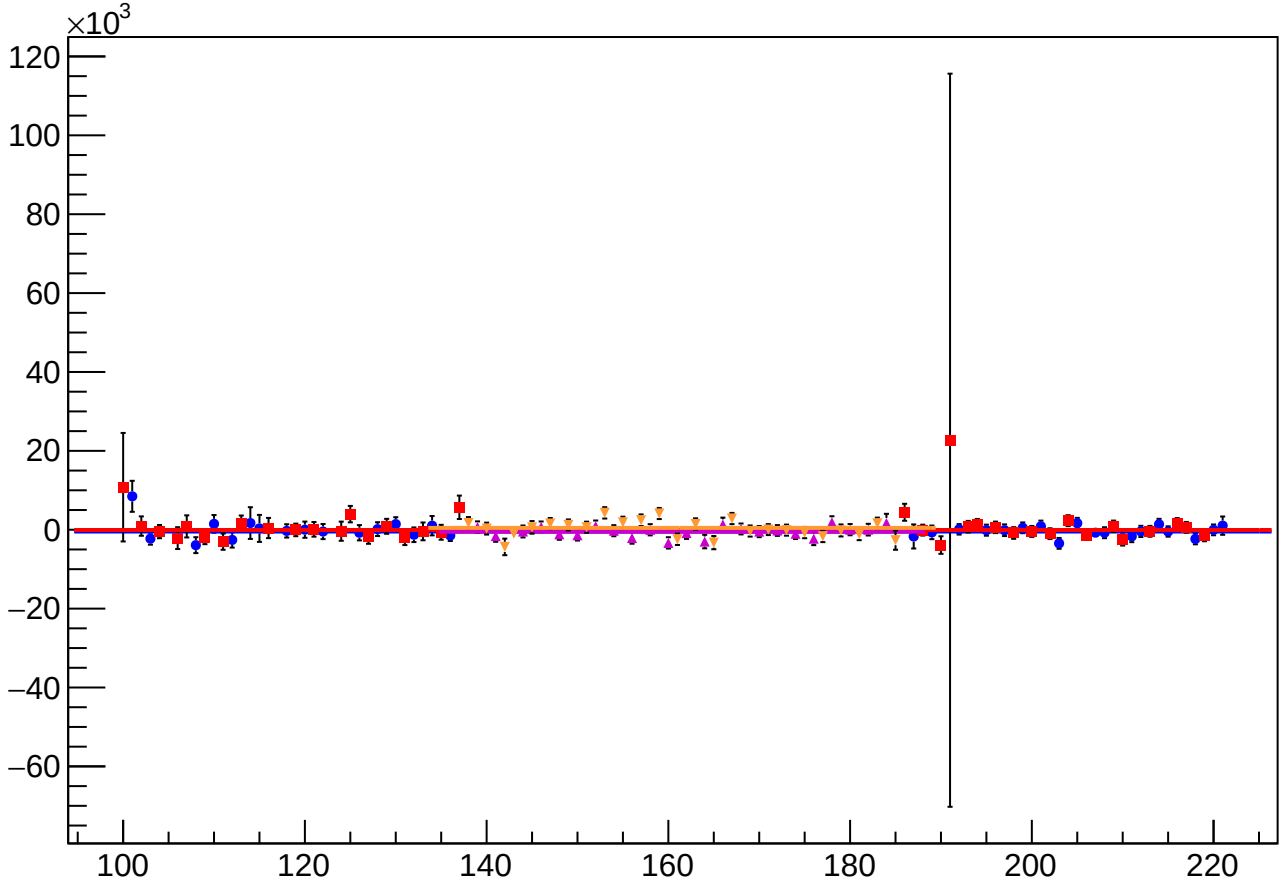
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 2696.927+/-0.359 χ^2/NDF: 29832175.6/70

In: 2675.167+/-0.372 χ^2/NDF:27977193.8/56

Out: 4118.448+/-0.475 χ^2/NDF:5901113.1/61

All: 3223.063+/-0.293 χ^2/NDF: 39607372.1/1



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: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

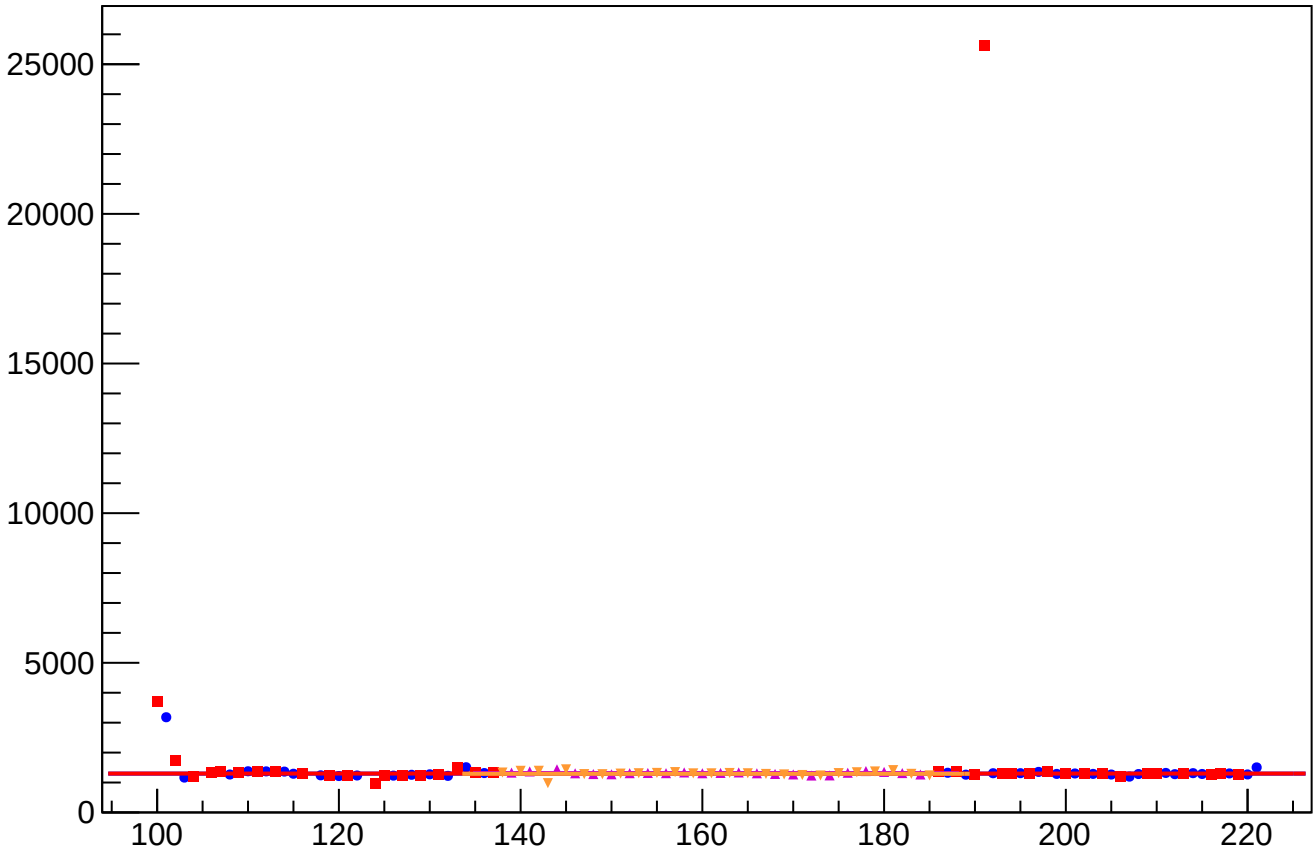
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -258.724+/-200.048 χ^2/NDF: 64.1/70

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -135.793+/-145.643 χ^2/NDF: 131.7/118



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: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

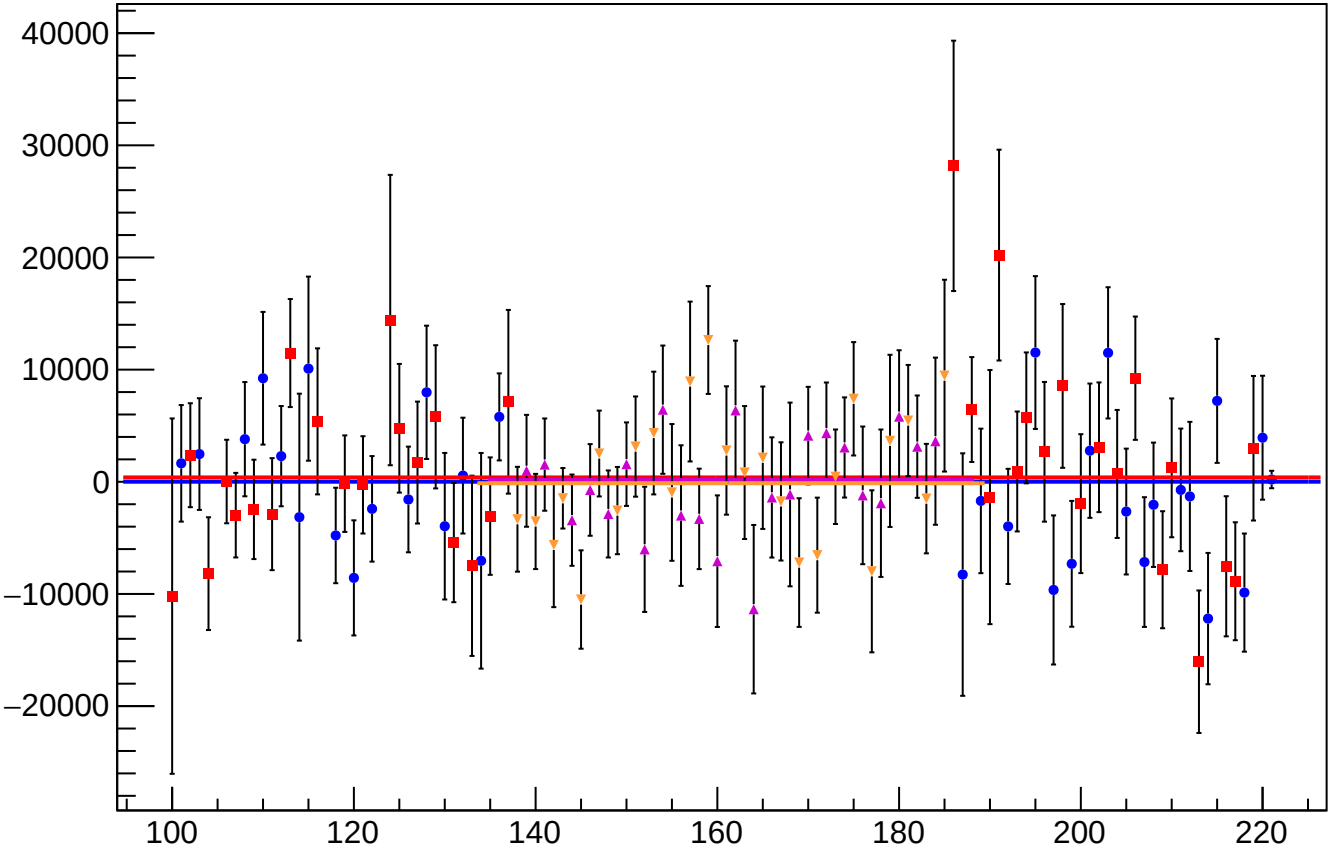
Right: 1298.380+/-0.141 χ^2/NDF: 926768.3/70

In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1300.139+/-0.103 χ^2/NDF: 1206627.9/11

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: 389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

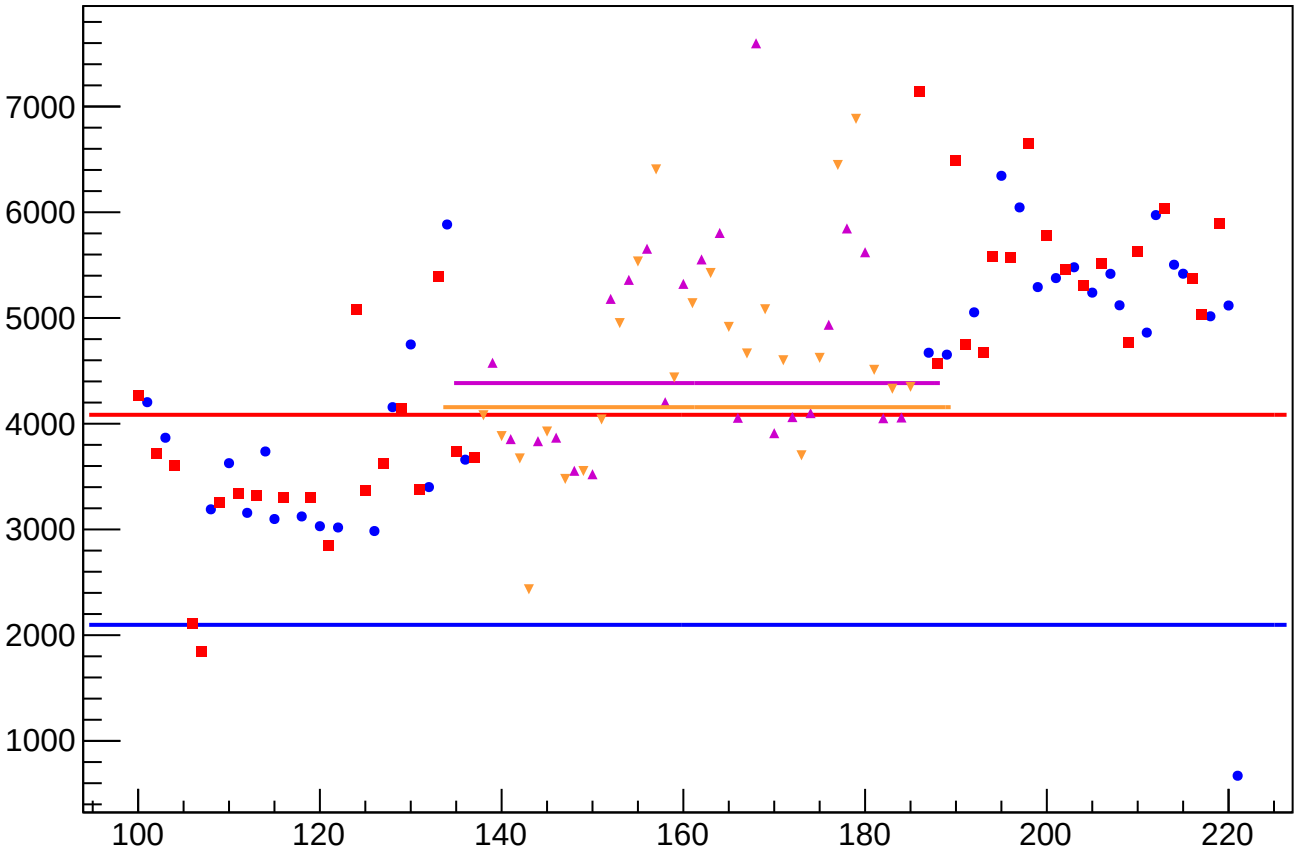
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 123.357+/-507.863 χ^2/NDF: 87.3/70

In: 46.490+/-525.411 χ^2/NDF:52.4/56

Out: 145.475+/-671.666 χ^2/NDF:77.2/61

All: 84.066+/-413.836 χ^2/NDF: 129.7/118



Right In: 2097.705+/-0.430 χ^2/NDF: 19570803.2/33

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

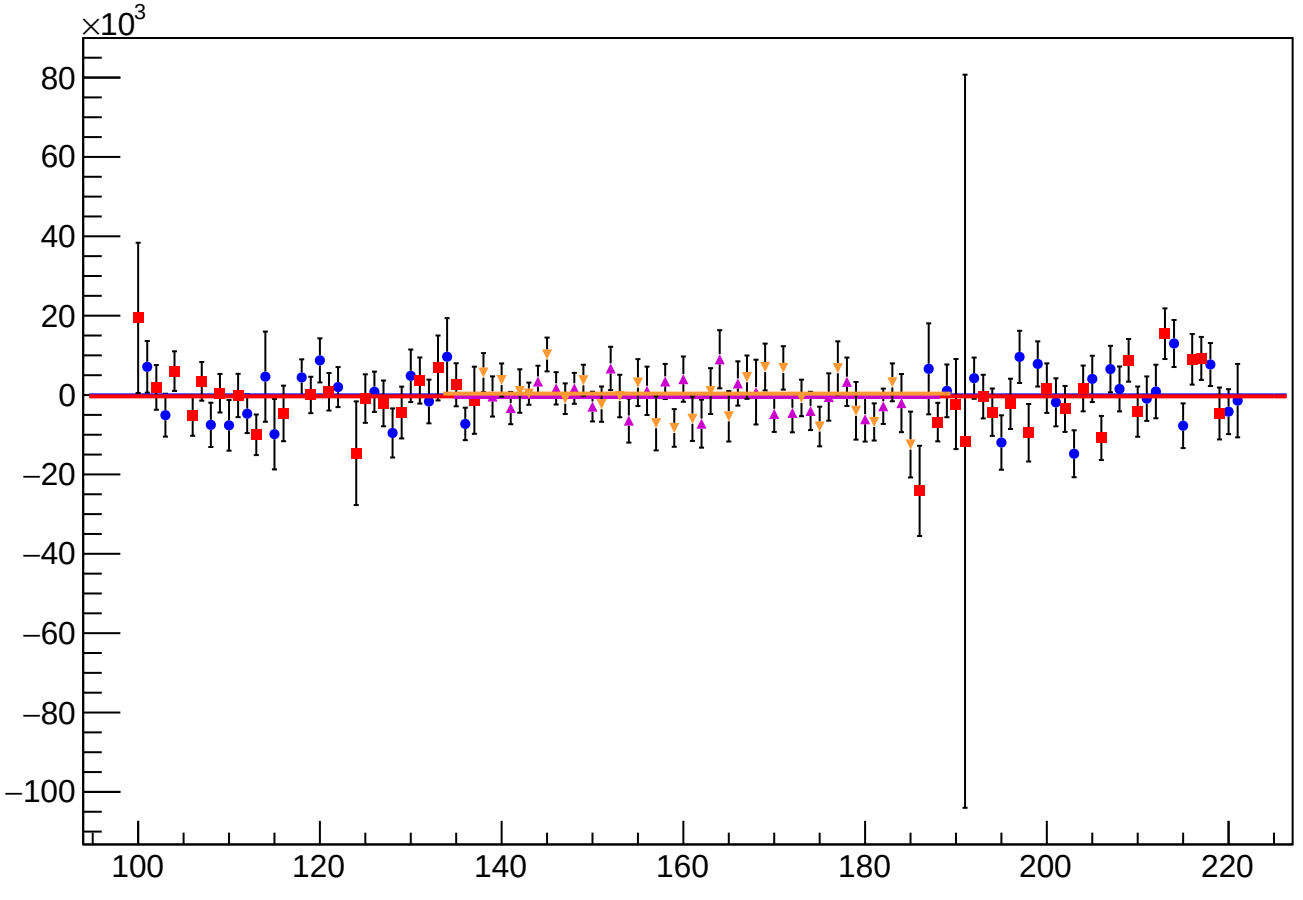
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 2696.942+/-0.359 χ^2/NDF: 29831900.7/70

In: 2675.184+/-0.372 χ^2/NDF:27976943.3/56

Out: 4118.448+/-0.475 χ^2/NDF:5901156.3/61

All: 3223.076+/-0.293 χ^2/NDF: 39607011.6/



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: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

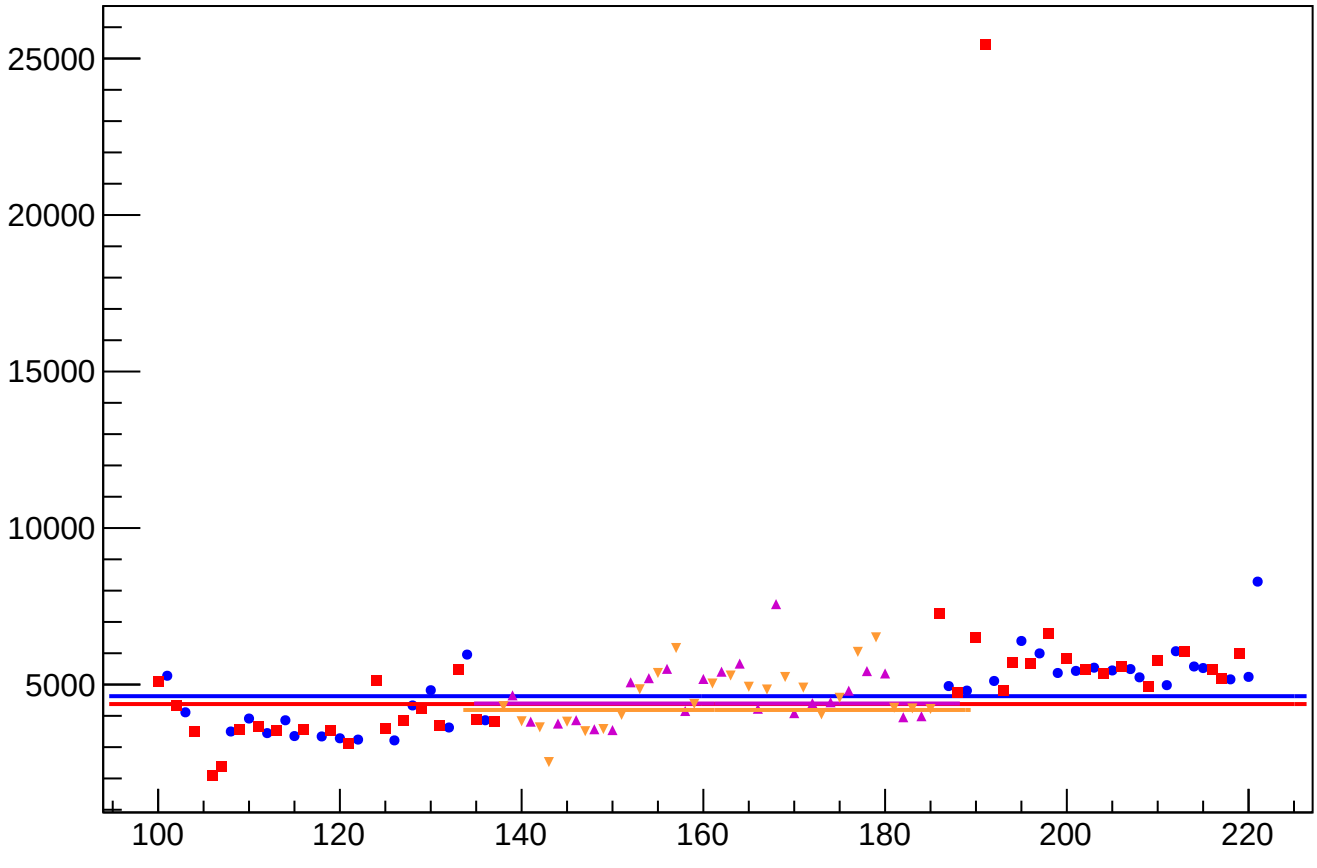
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -210.465+/-711.712 χ^2/NDF: 83.1/70

In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -125.578+/-504.306 χ^2/NDF: 125.1/118



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: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

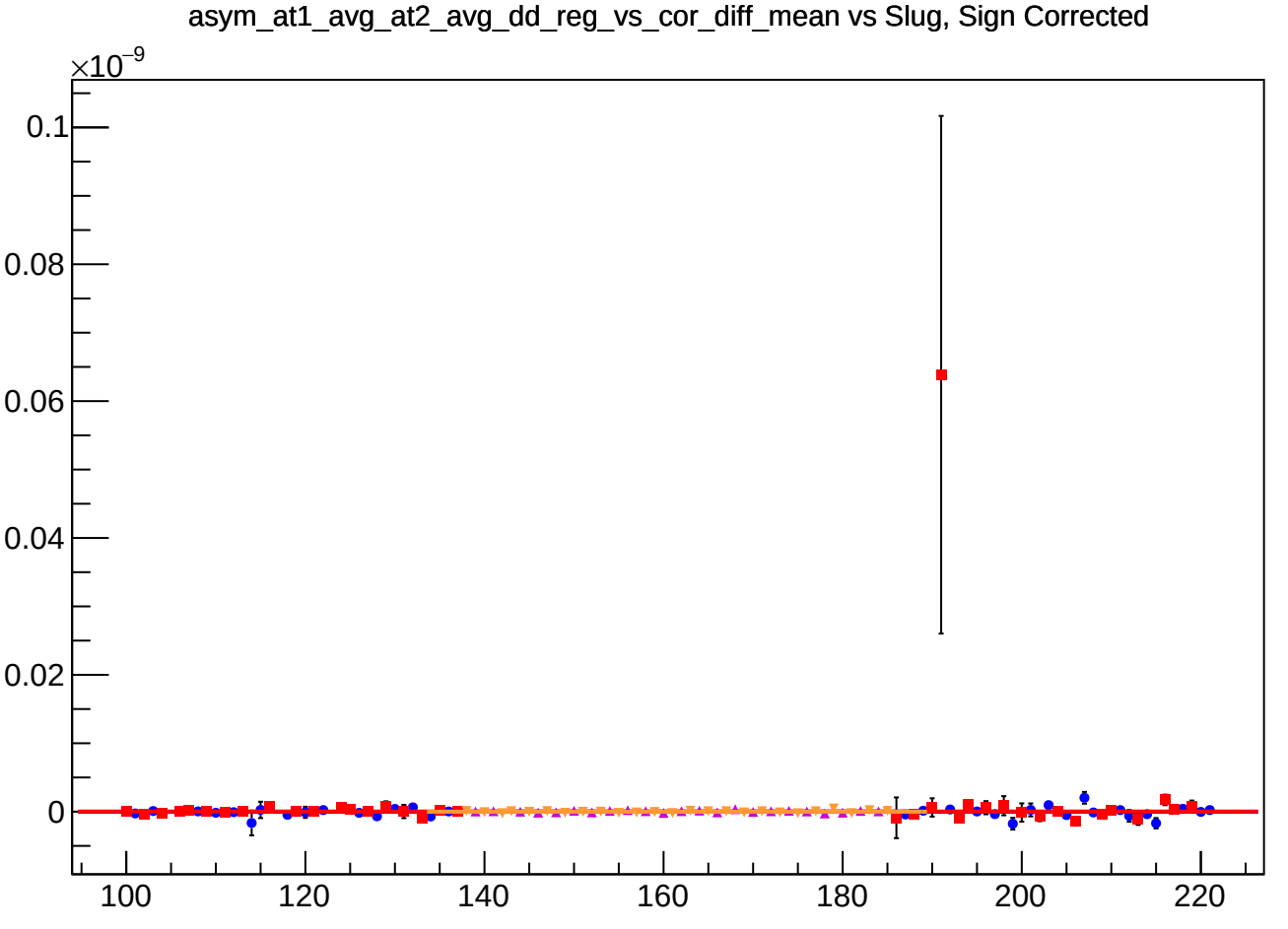
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4499.014+/-0.501 χ^2/NDF: 5172529.1/70

In: 4514.482+/-0.515 χ^2/NDF:3234954.2/56

Out: 4281.466+/-0.492 χ^2/NDF:4847772.7/61

All: 4392.617+/-0.356 χ^2/NDF: 8189669.5/11



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: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

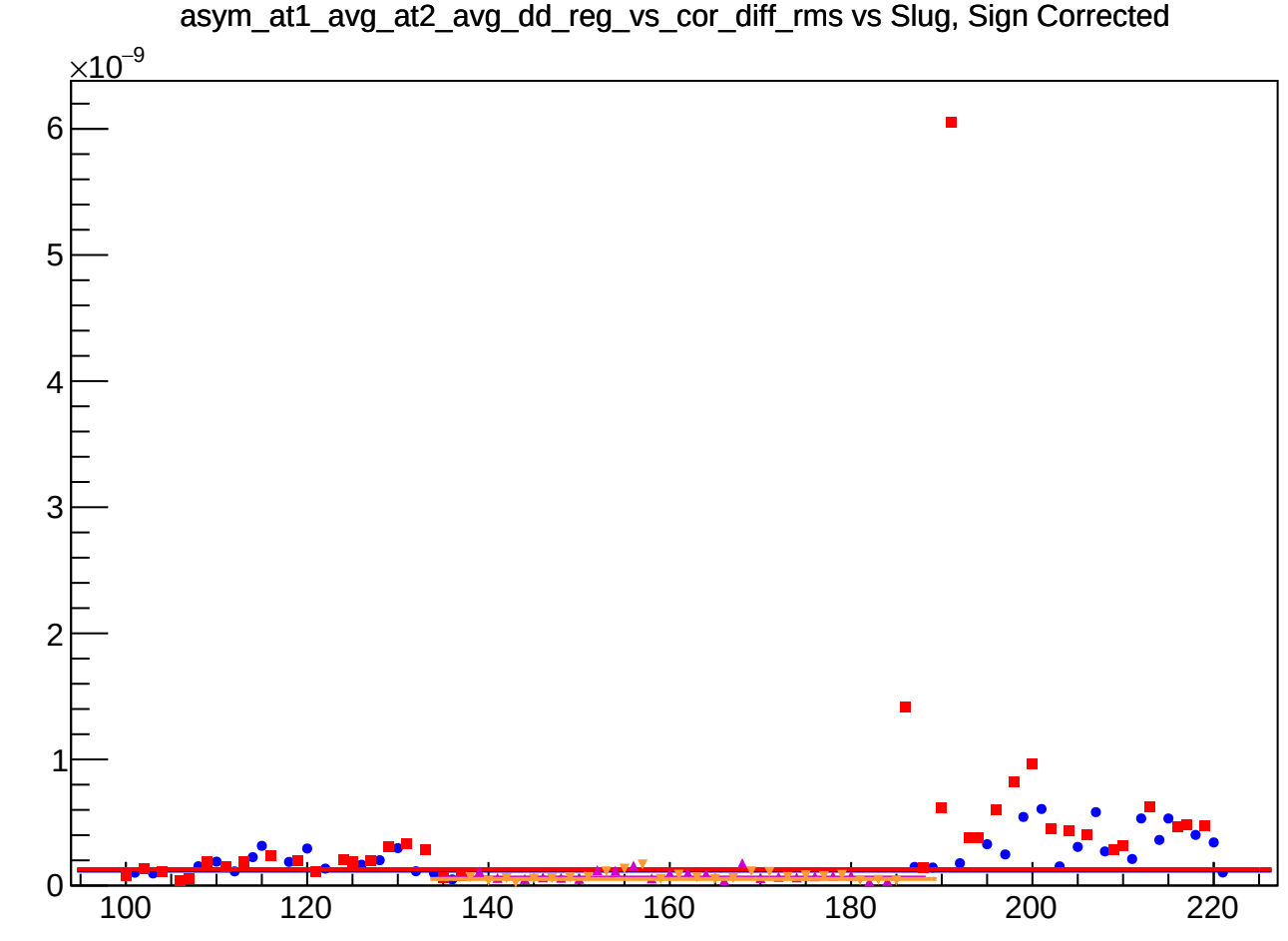
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

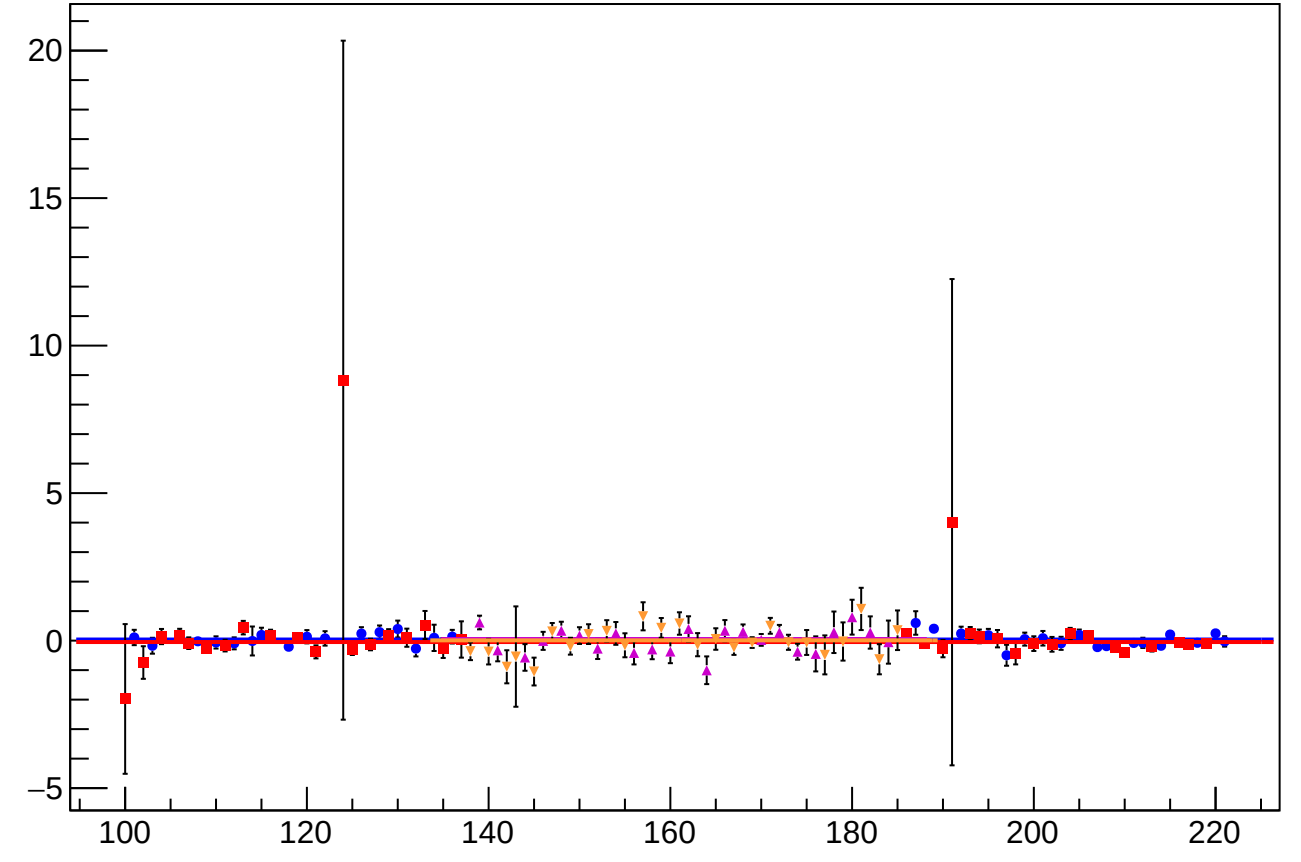
Right: 0.000+/-0.000 χ^2/NDF: 84.0/70

In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 132.0/118


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: 8717055.0/36
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: 15342697.2/70
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14361819.7/61
All: 0.000+/-0.000 χ²/NDF: 24807649.4/118



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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

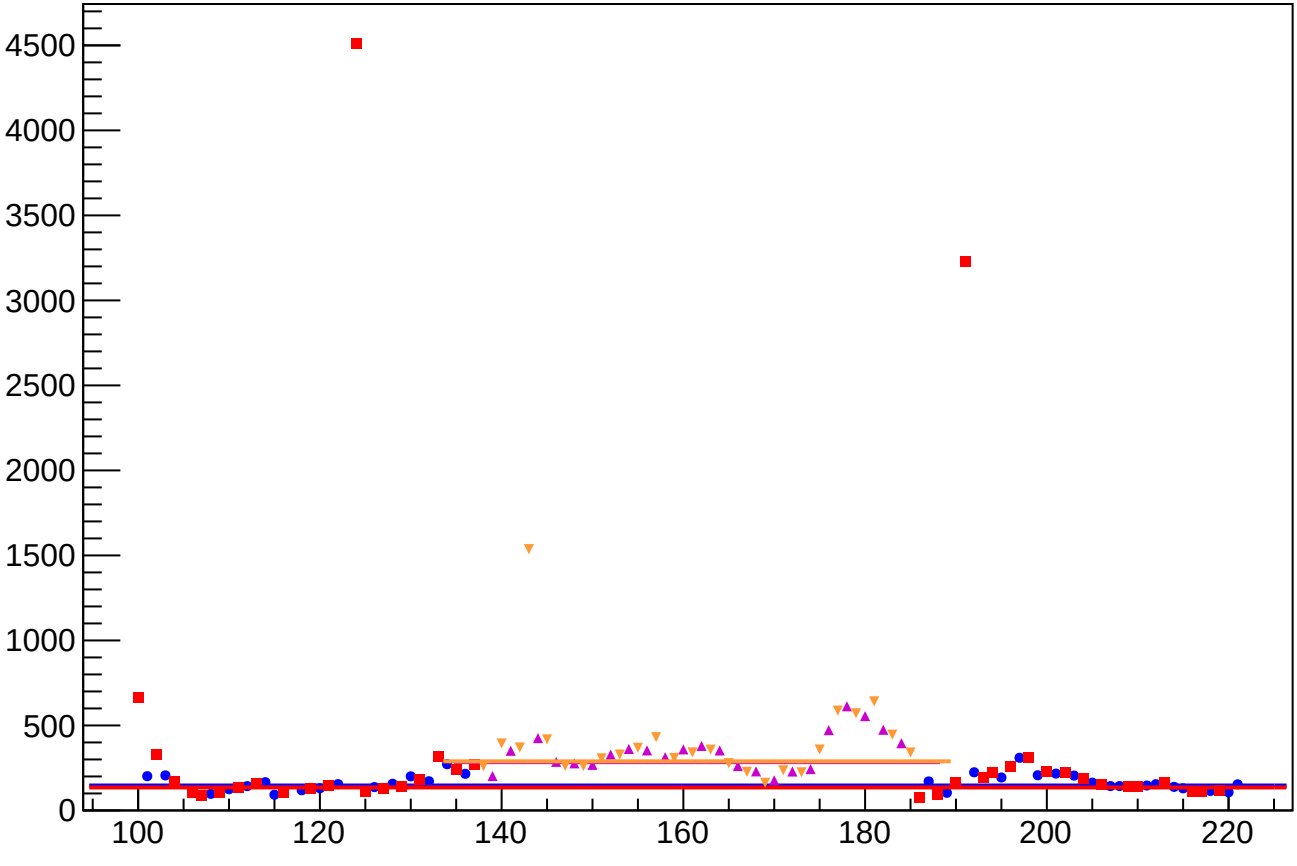
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

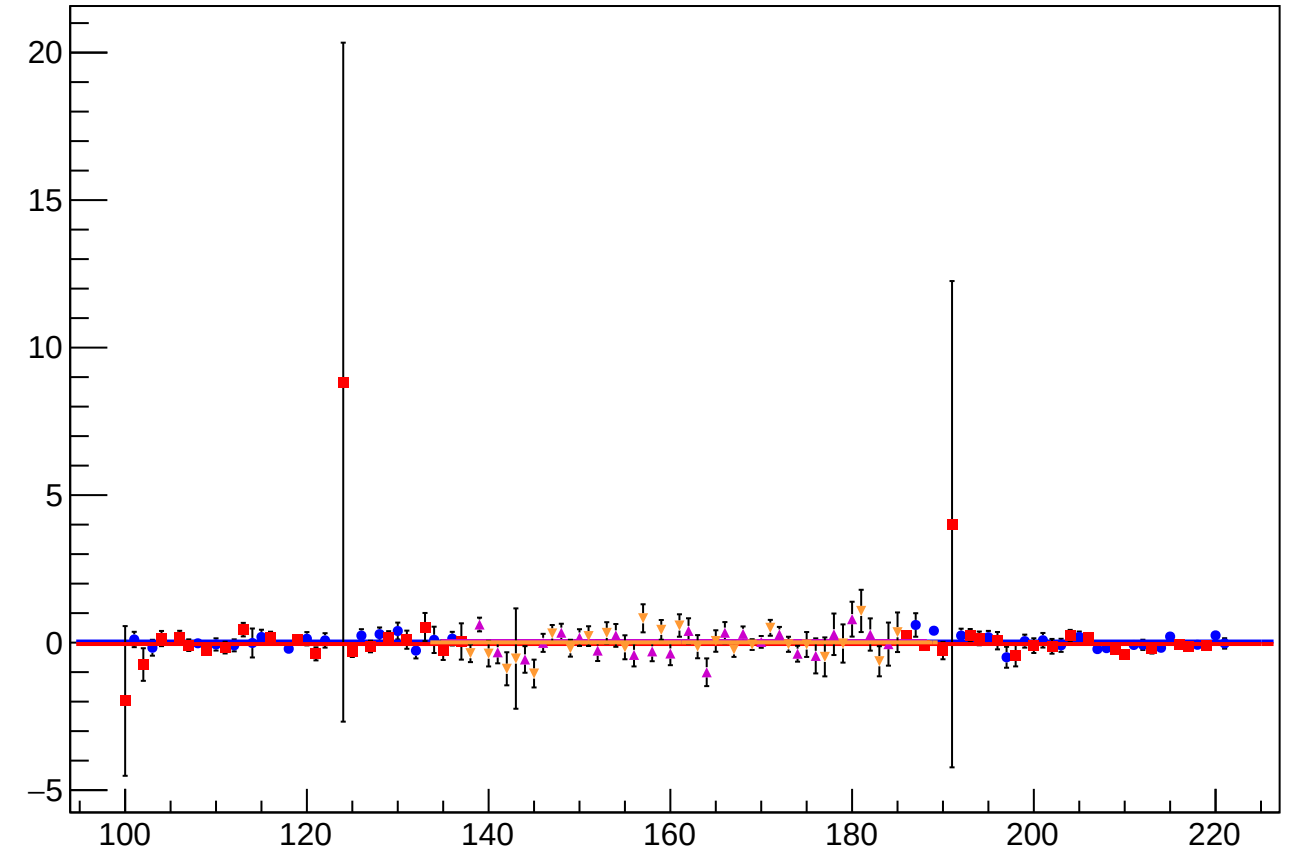
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 140.850+/-0.016 χ^2/NDF: 7841810.6/70

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.386+/-0.015 χ^2/NDF: 29573288.7/1



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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

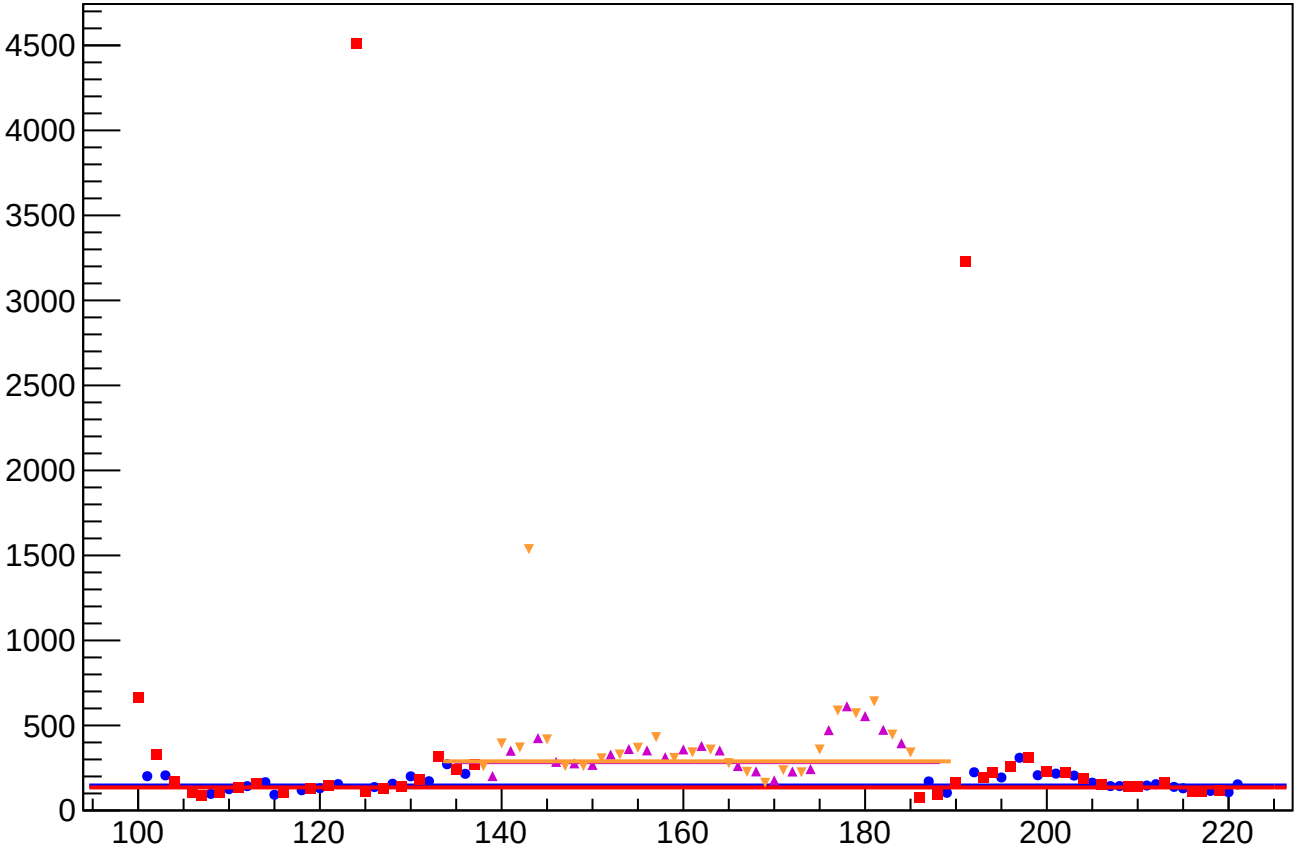
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

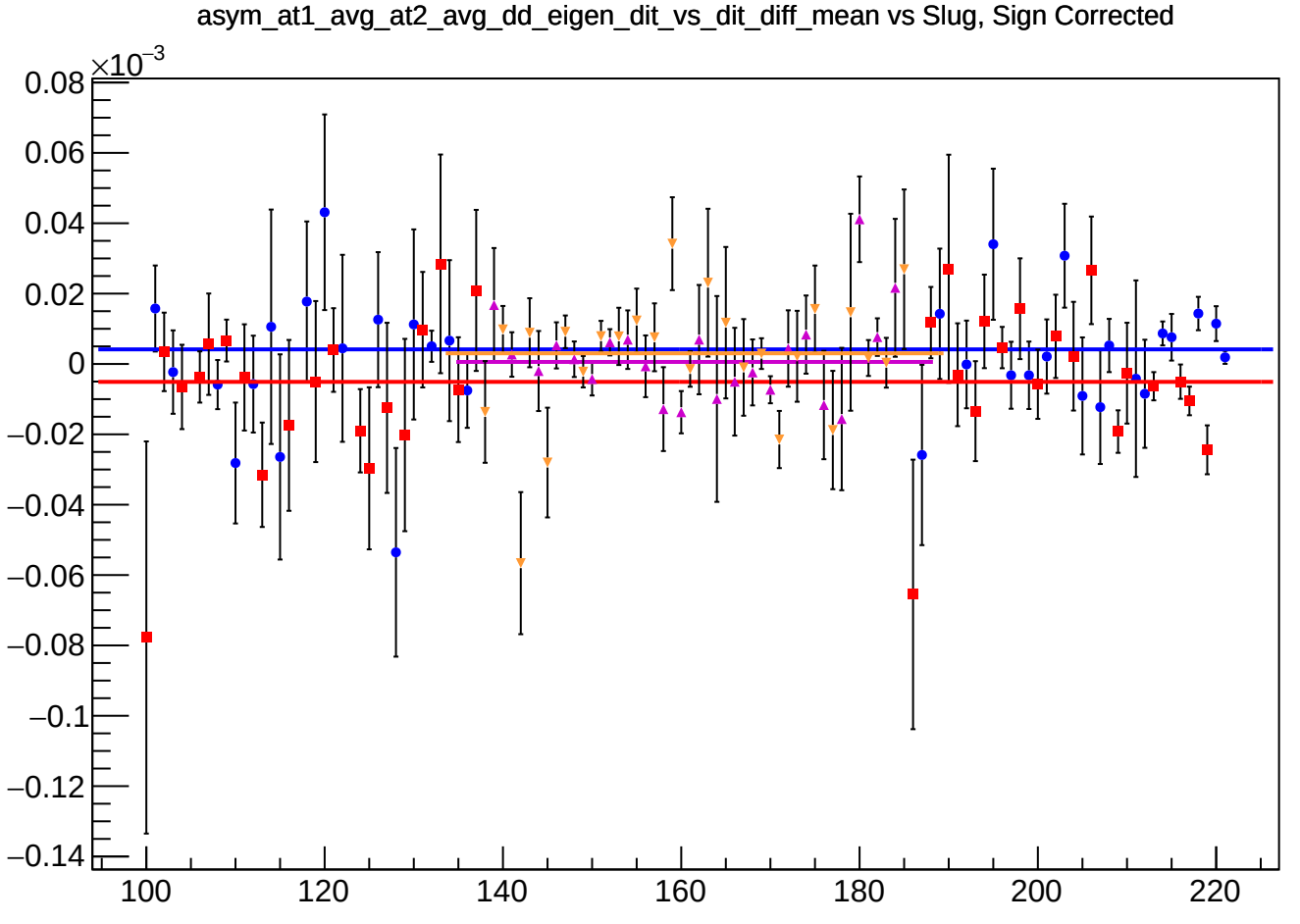
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 140.850+/-0.016 χ^2/NDF: 7841810.6/70

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.386+/-0.015 χ^2/NDF: 29573288.7/11



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: 51.0/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

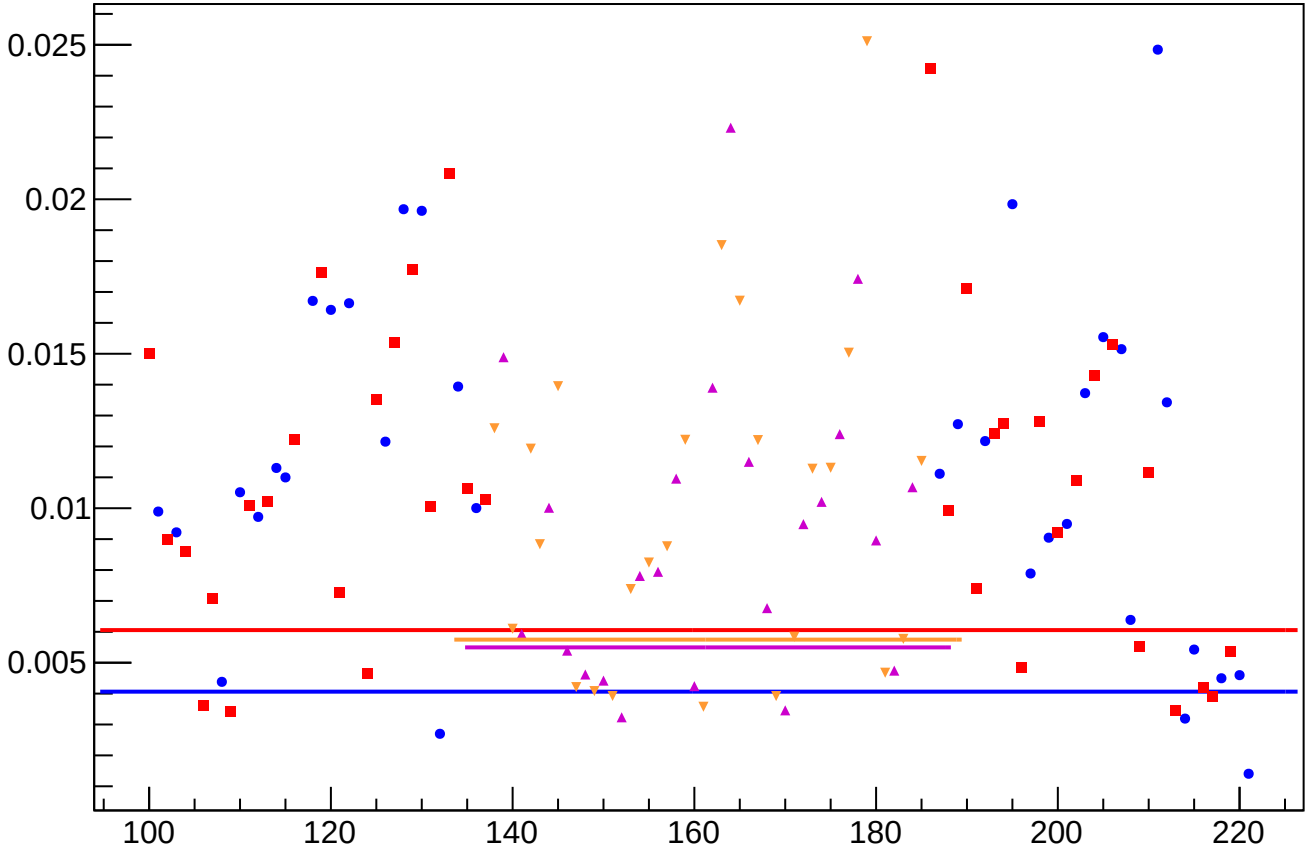
Right: 0.000+/-0.000 χ^2/NDF: 109.9/70

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: -0.000+/-0.000 χ^2/NDF:107.1/61

All: 0.000+/-0.000 χ^2/NDF: 187.3/118

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: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

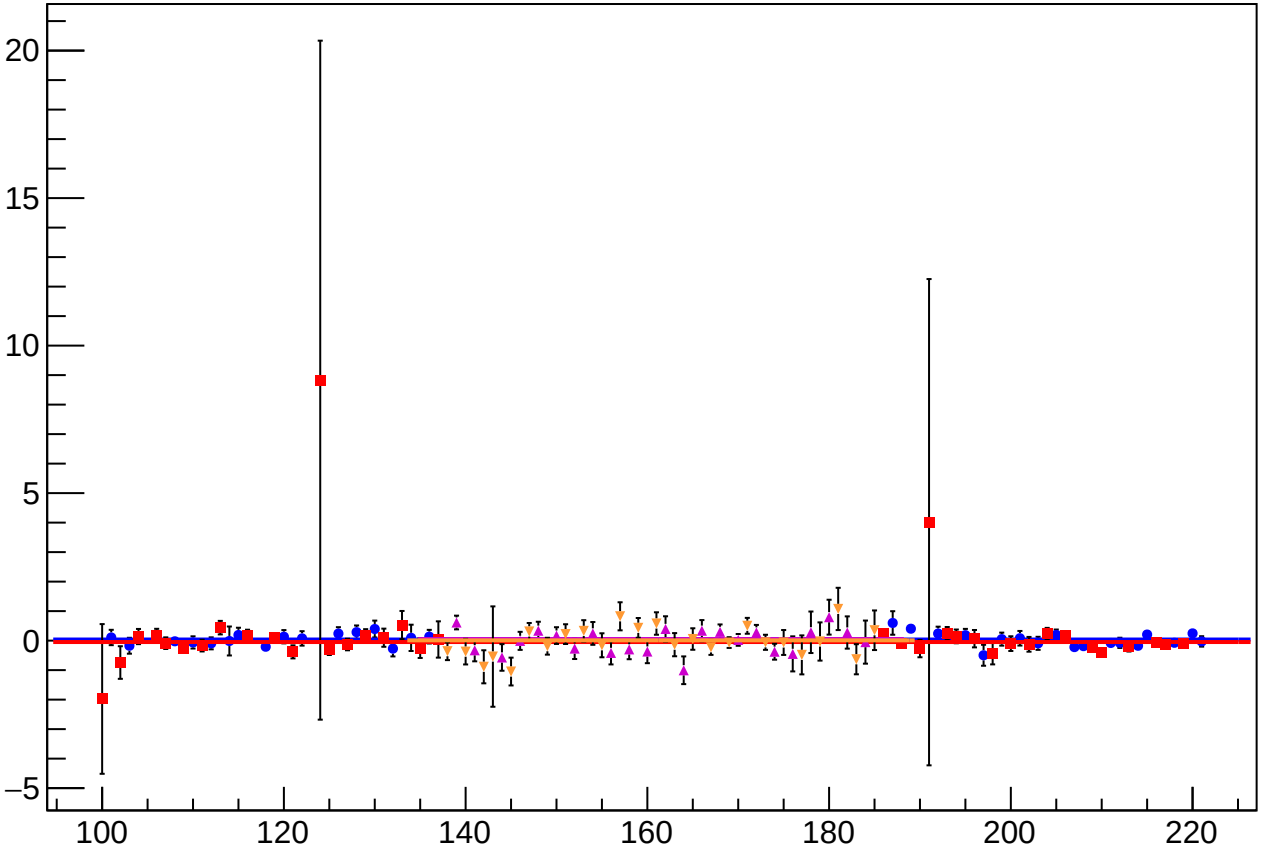
Right: 0.005+/-0.000 χ^2/NDF: 30837200.6/70

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.005+/-0.000 χ^2/NDF: 46554619.6/118

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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

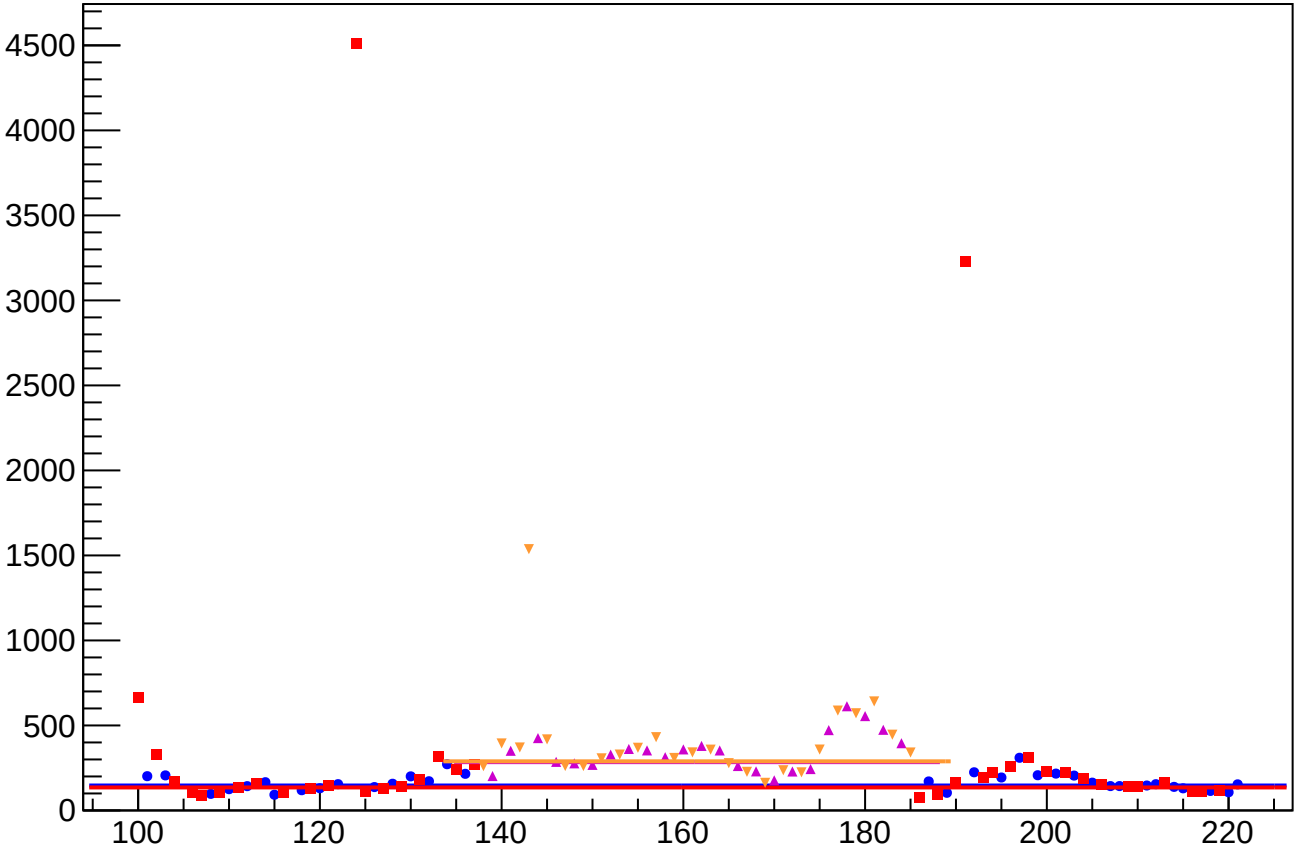
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

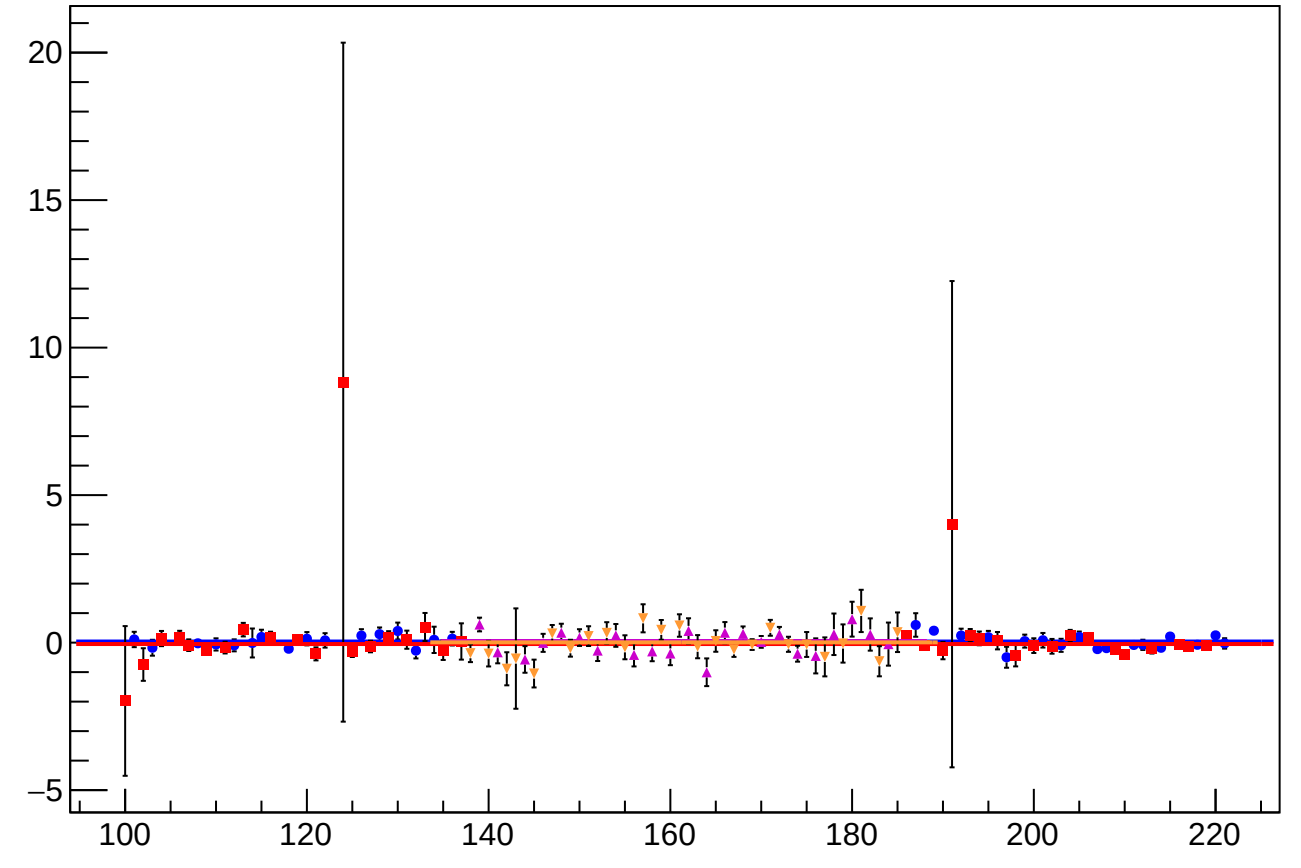
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 140.851+/-0.016 χ^2/NDF: 7841610.0/70

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11



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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

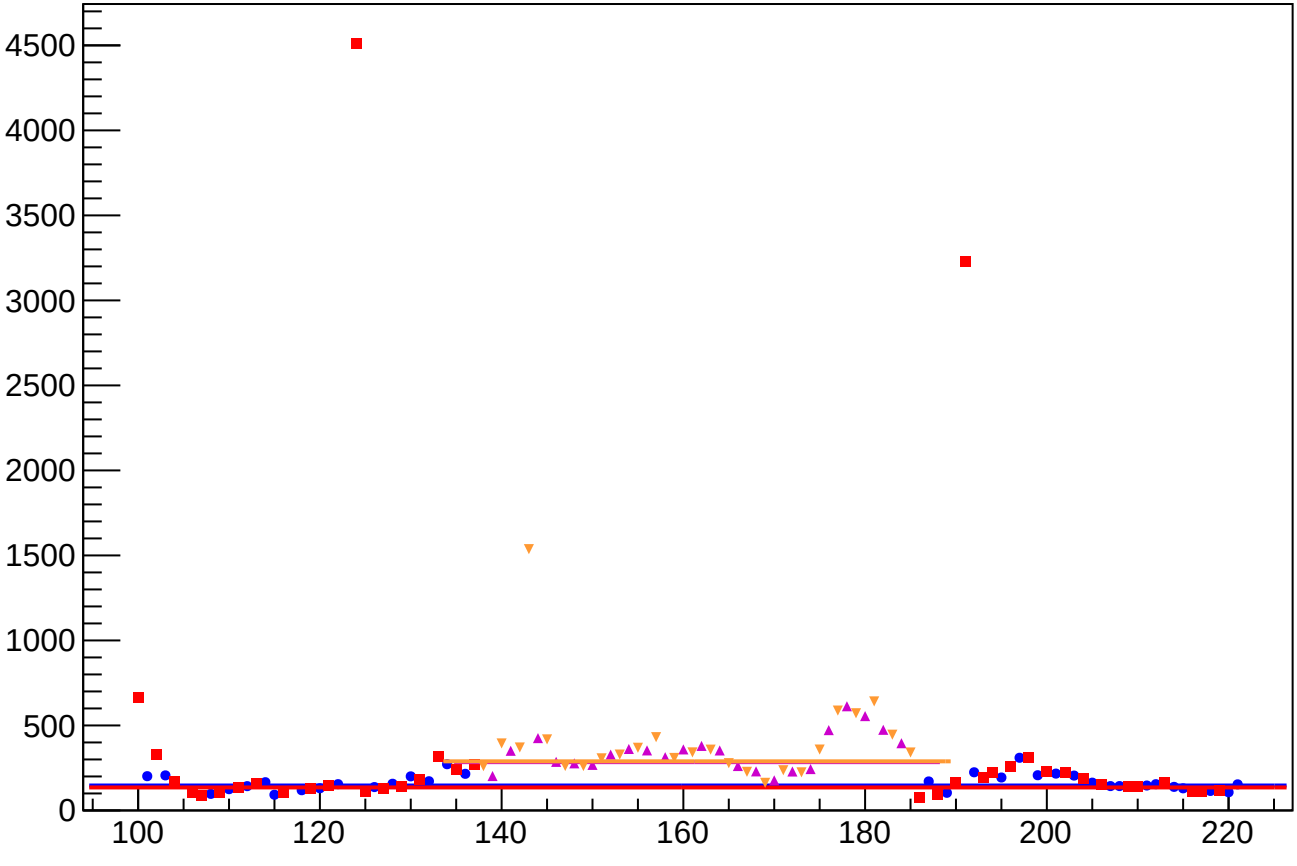
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

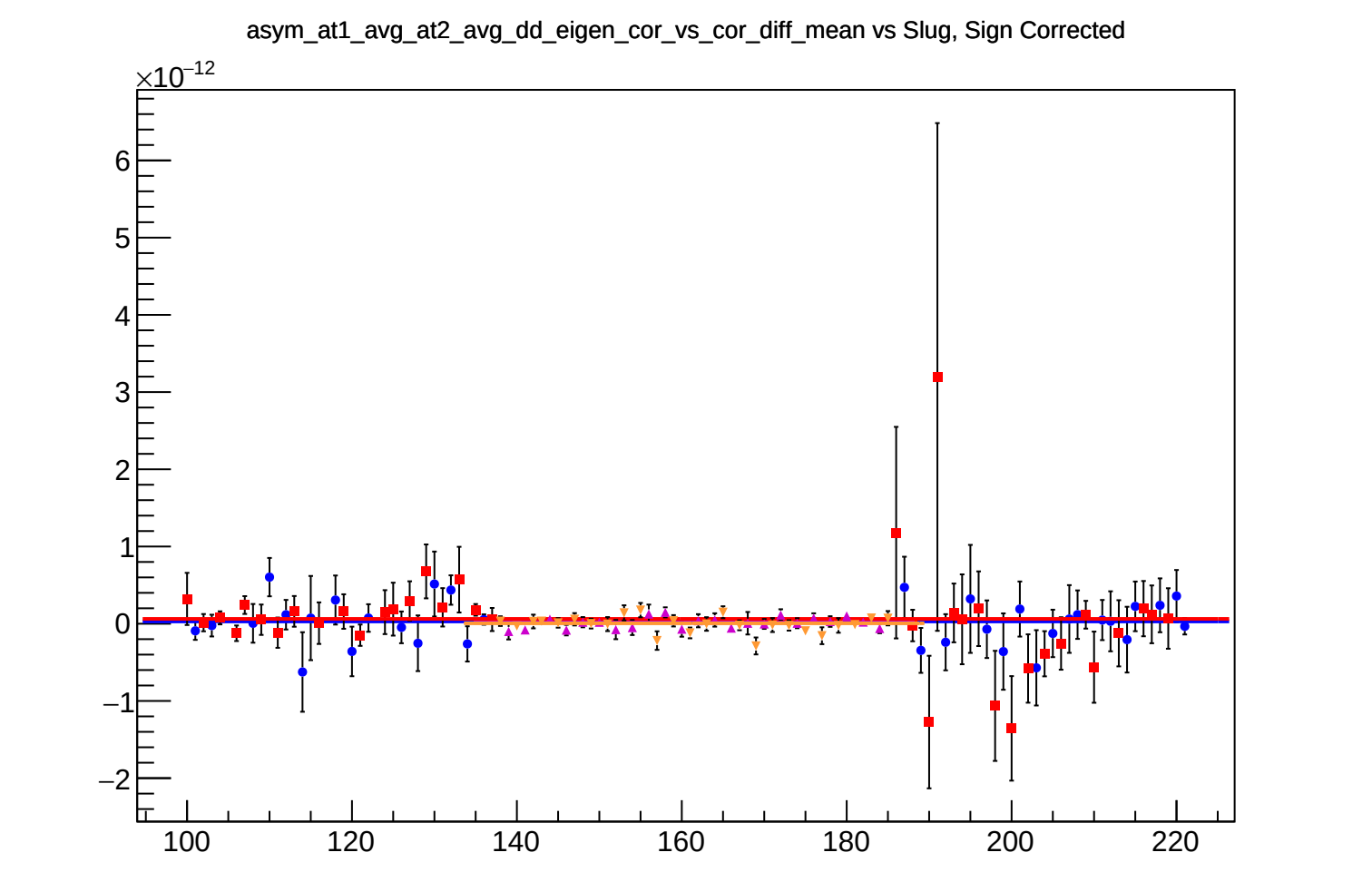
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 140.851+/-0.016 χ^2/NDF: 7841610.0/70

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11



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: 37.5/36

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

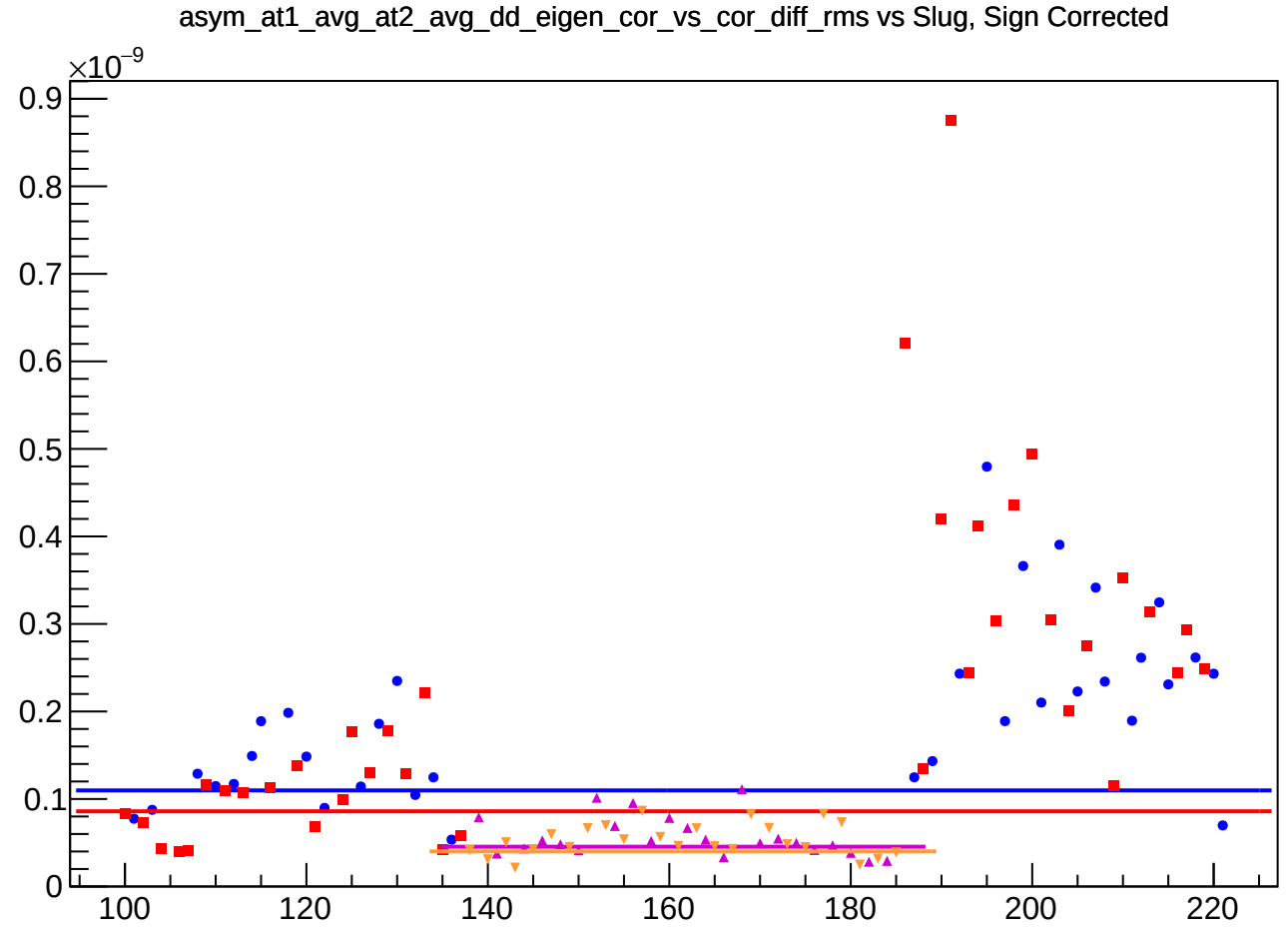
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 65.7/70

In: 0.000+/-0.000 χ^2/NDF:51.2/56

Out: 0.000+/-0.000 χ^2/NDF:74.4/61

All: 0.000+/-0.000 χ^2/NDF: 125.6/118



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: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

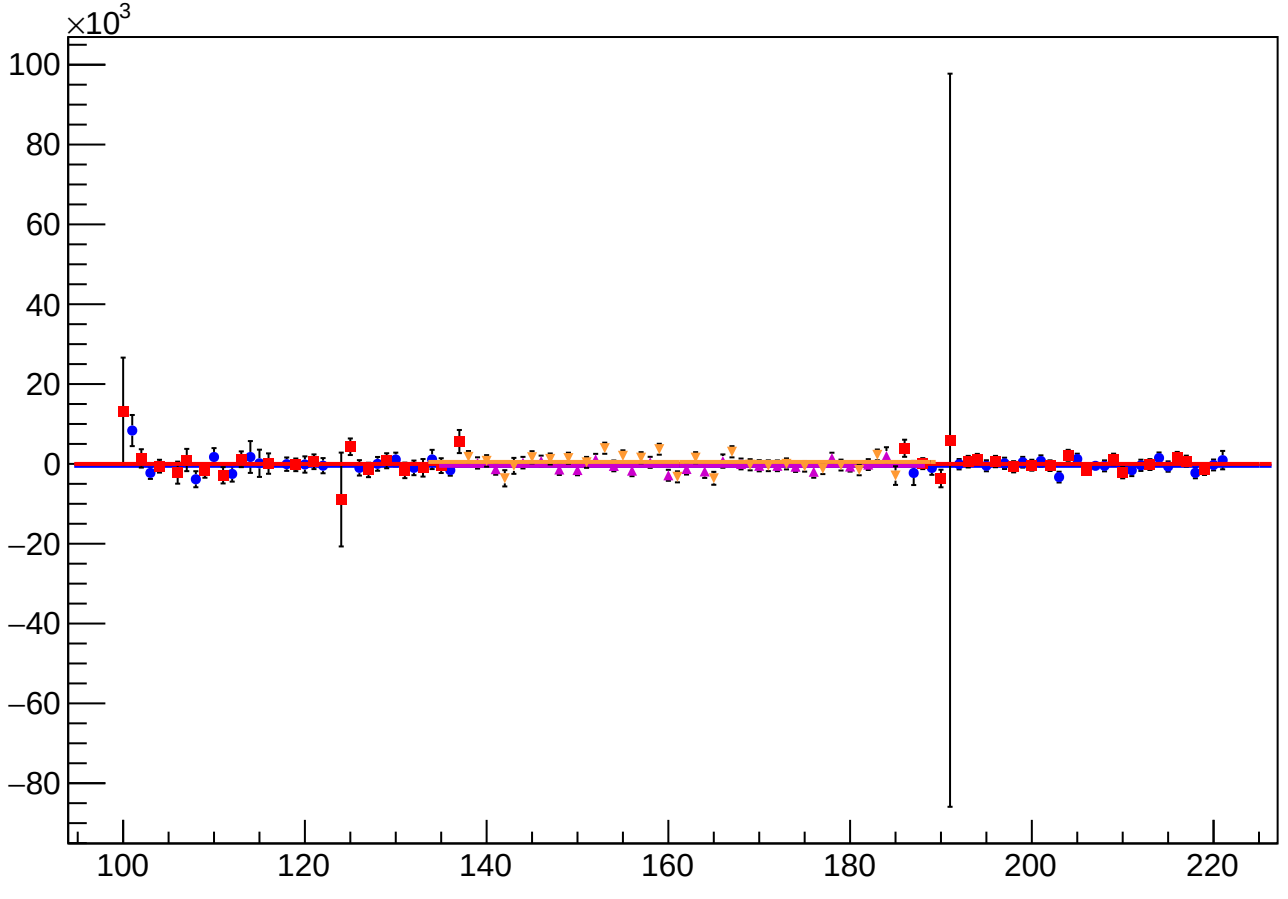
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18749242.2/70

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 34202884.1/118



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: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

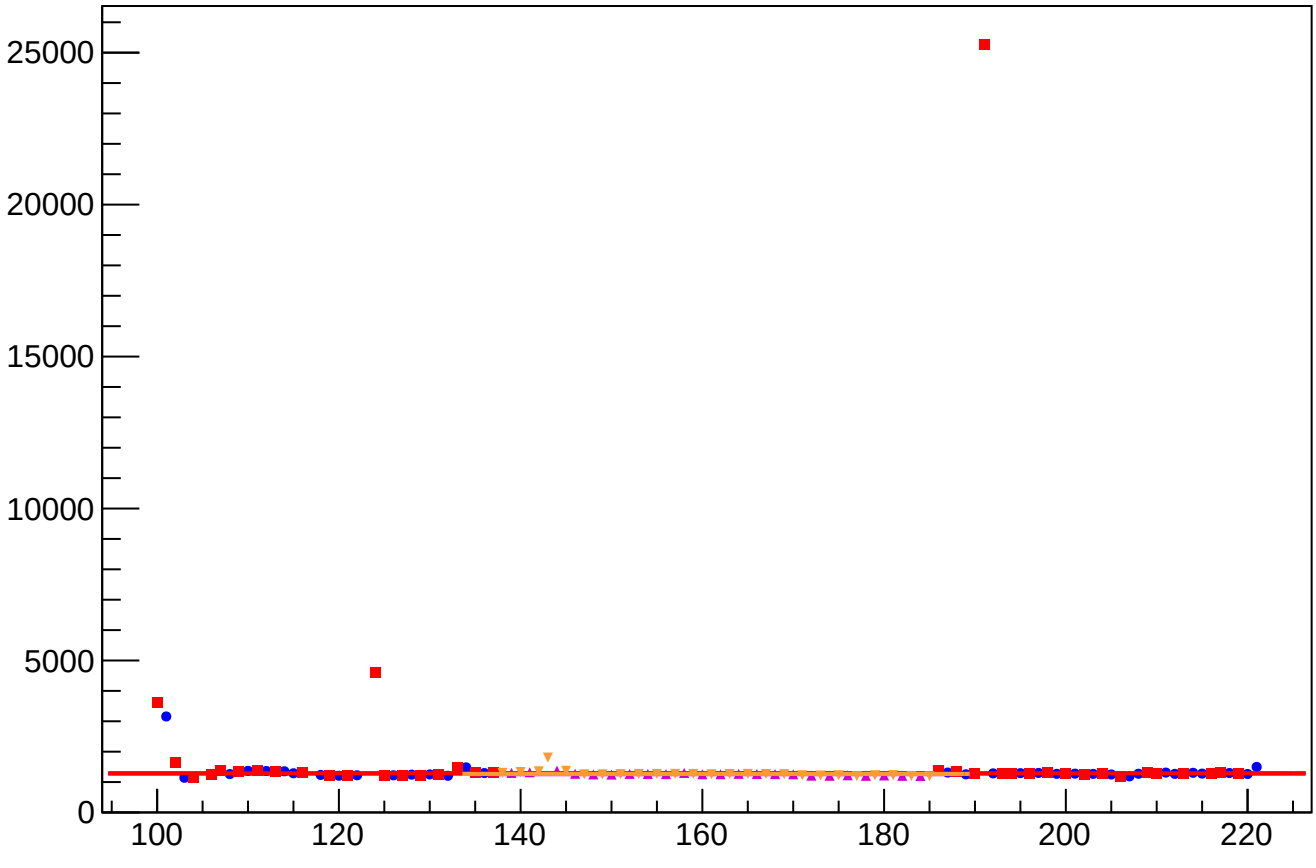
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -251.770+/-198.135 χ^2/NDF: 61.5/70

In: -487.009+/-202.101 χ^2/NDF:41.0/56

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -125.159+/-142.747 χ^2/NDF: 129.4/118



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: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

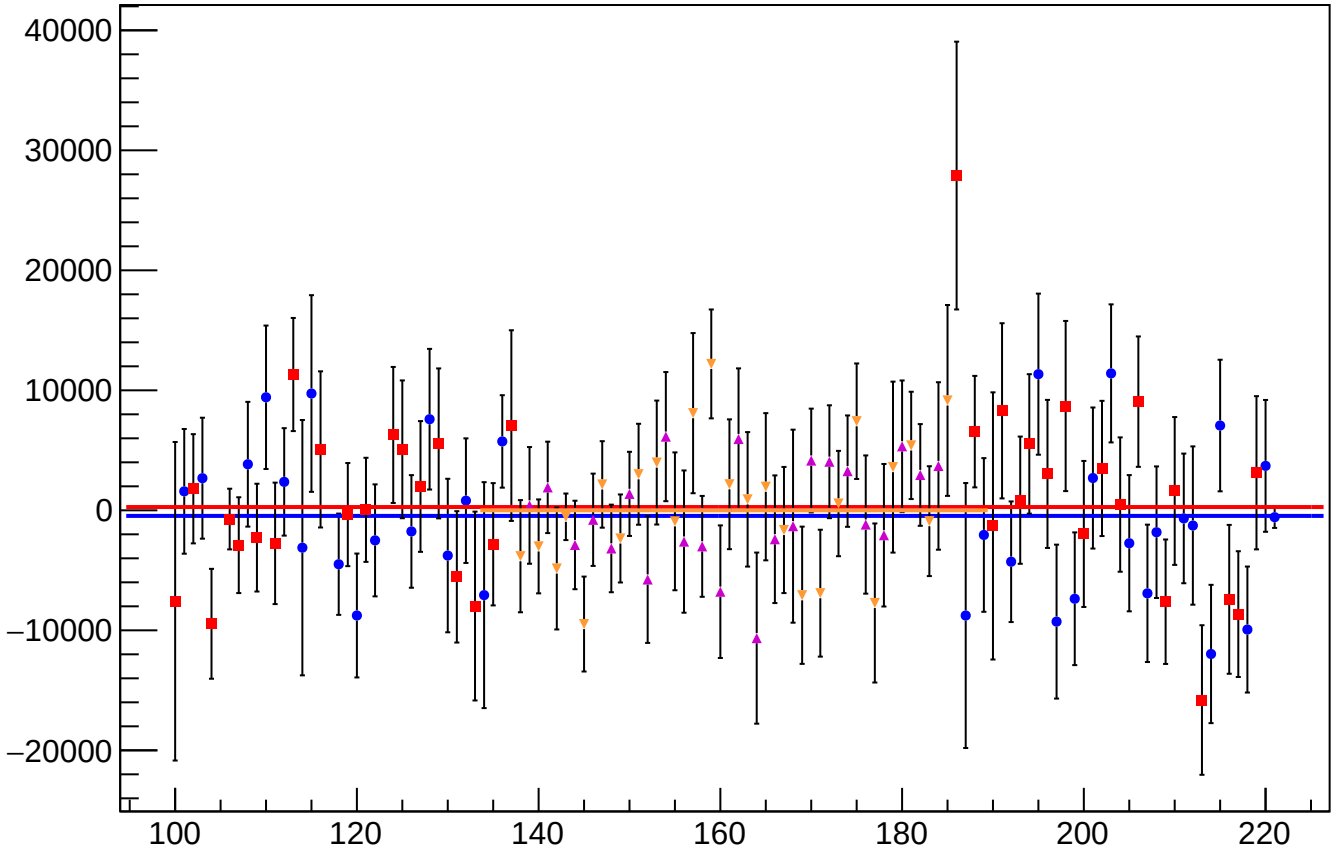
Right: 1285.265+/-0.140 χ^2/NDF: 1032714.5/70

In: 1270.488+/-0.143 χ^2/NDF:592801.2/56

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1274.247+/-0.101 χ^2/NDF: 1270999.6/11

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: 274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

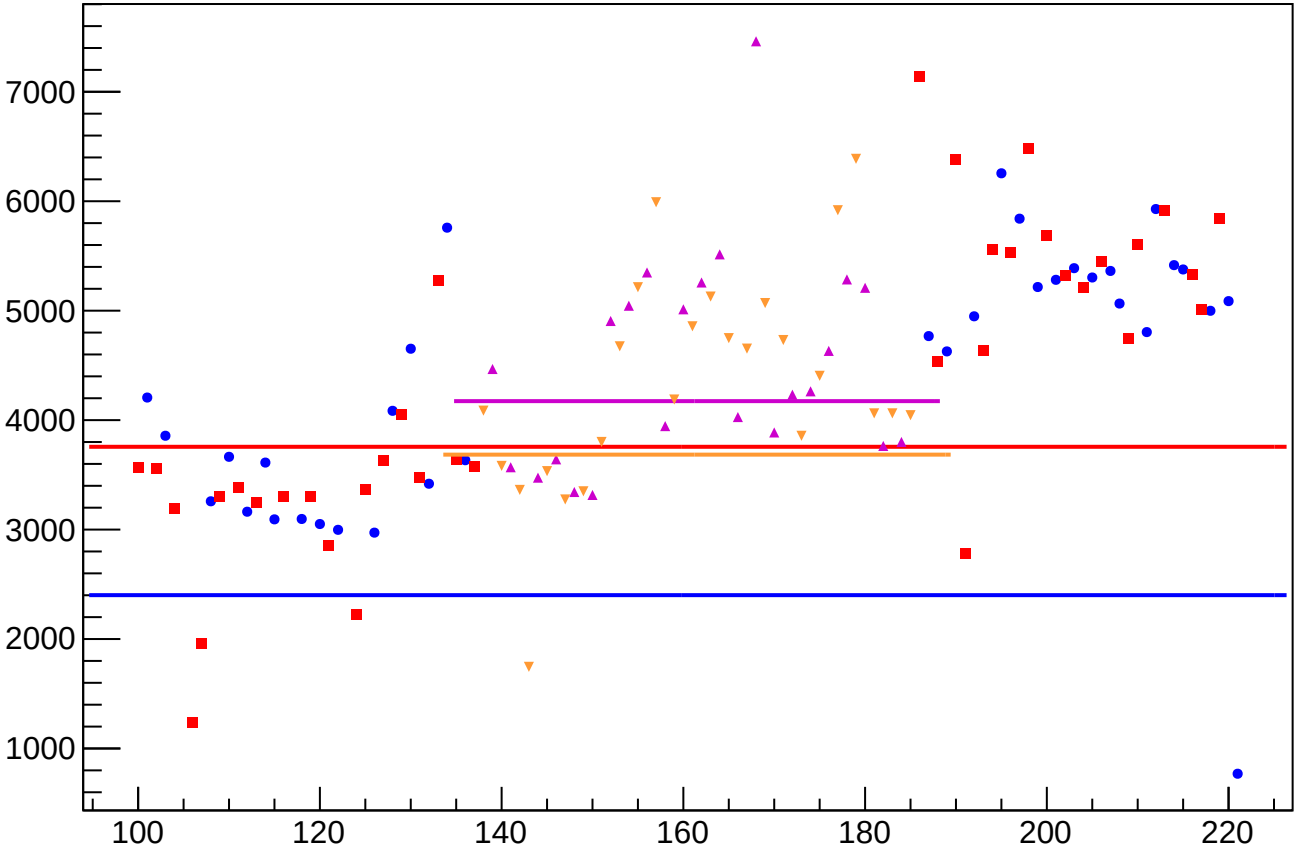
Right: -198.811+/-525.480 χ^2/NDF: 85.9/70

In: -314.185+/-548.187 χ^2/NDF:52.8/56

Out: 138.465+/-623.096 χ^2/NDF:75.9/61

All: -116.692+/-411.577 χ^2/NDF: 129.0/118

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: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

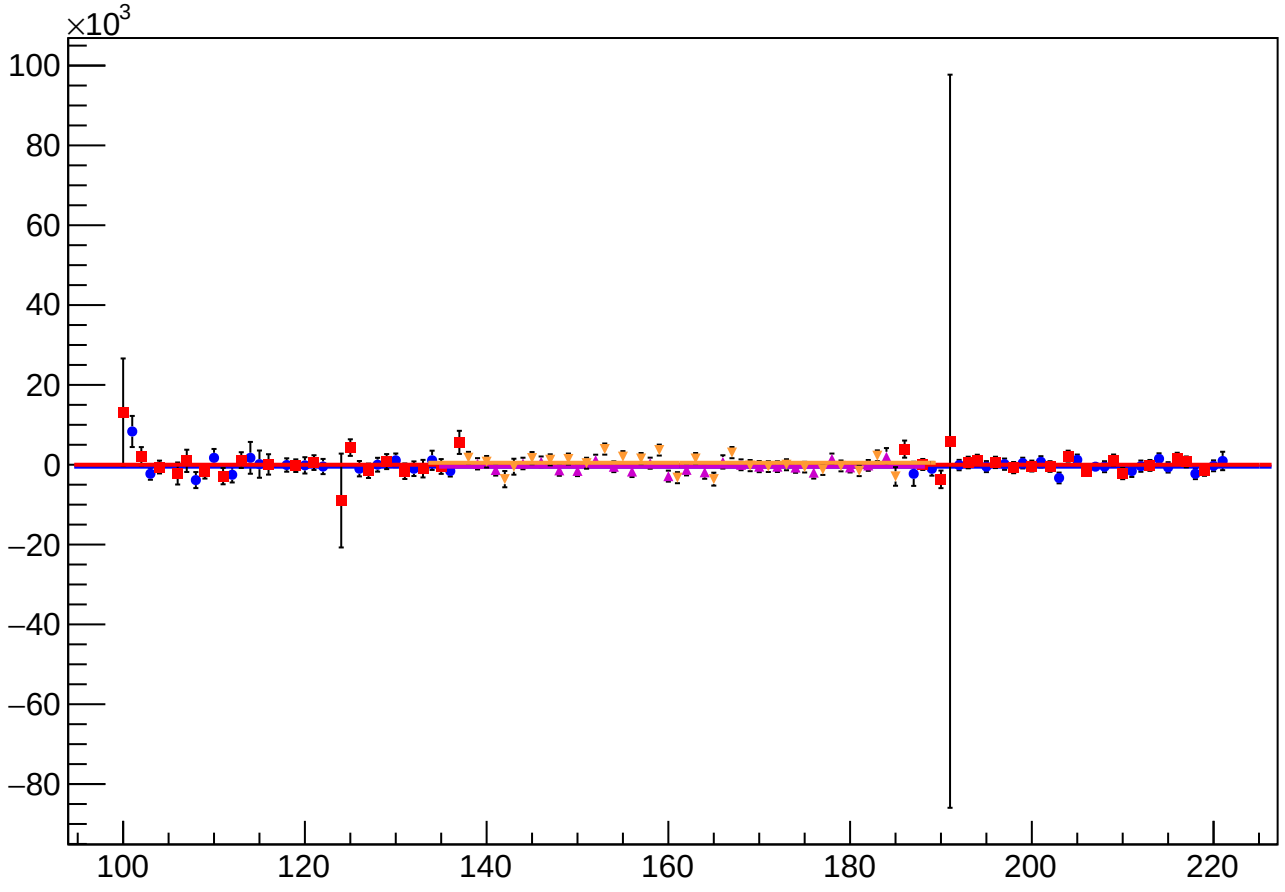
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 2888.699+/-0.372 χ^2/NDF: 25280481.9/70

In: 2938.607+/-0.388 χ^2/NDF:22341141.1/56

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3279.983+/-0.291 χ^2/NDF: 33386929.1/1



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: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

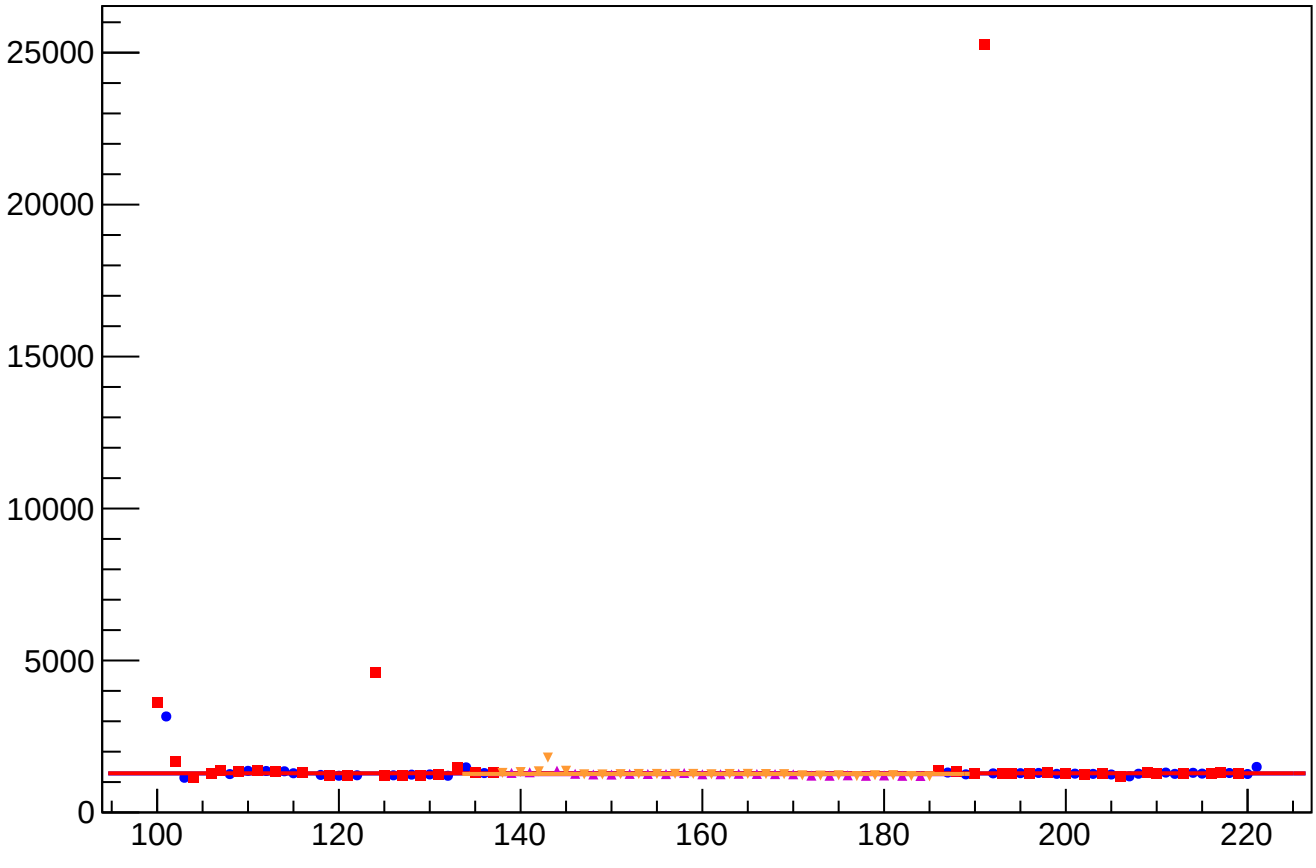
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.104+/-198.157 χ^2/NDF: 62.0/70

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -122.695+/-142.756 χ^2/NDF: 129.8/118



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: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

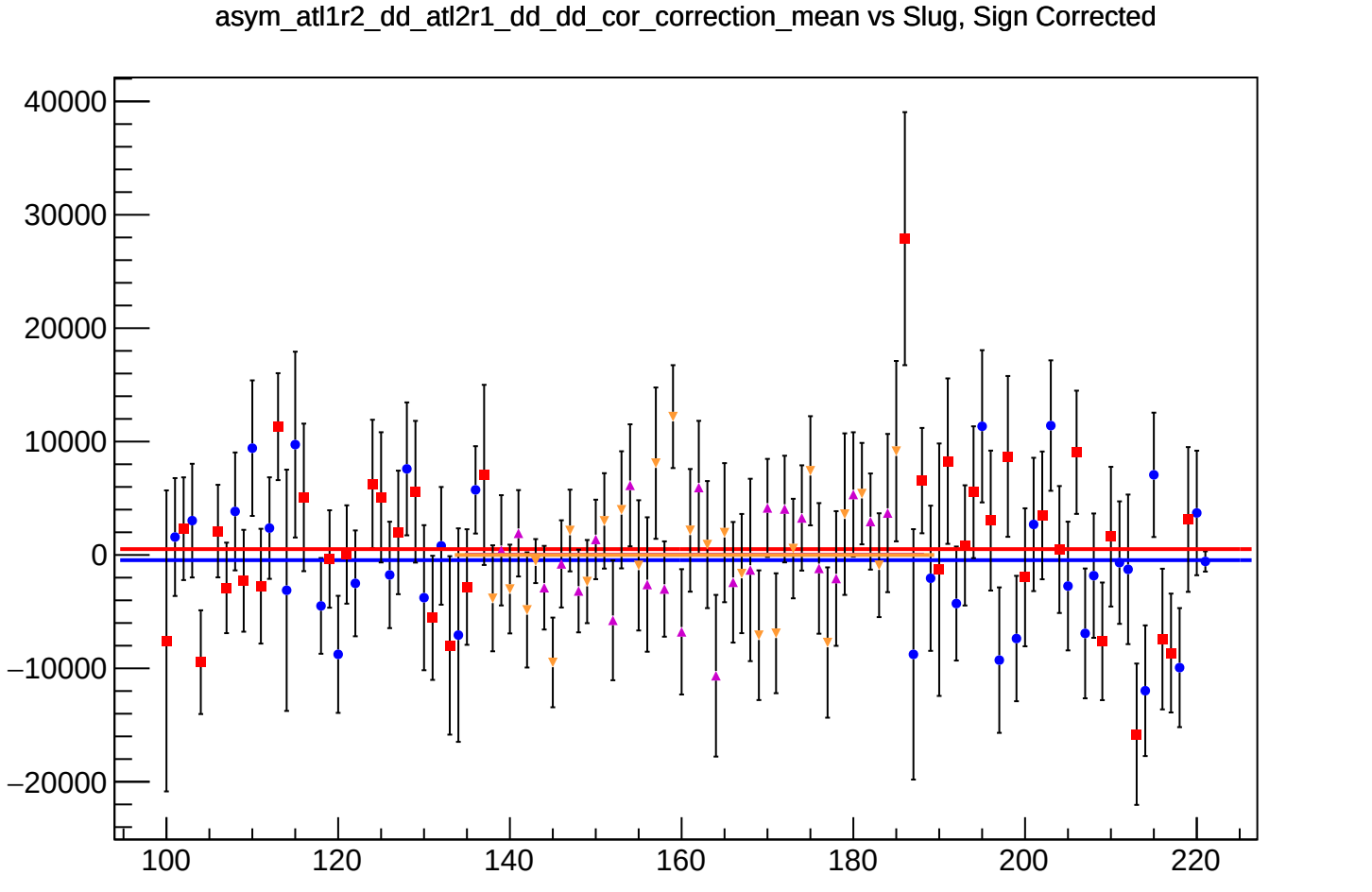
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1285.594+/-0.140 χ^2/NDF: 1039731.4/70

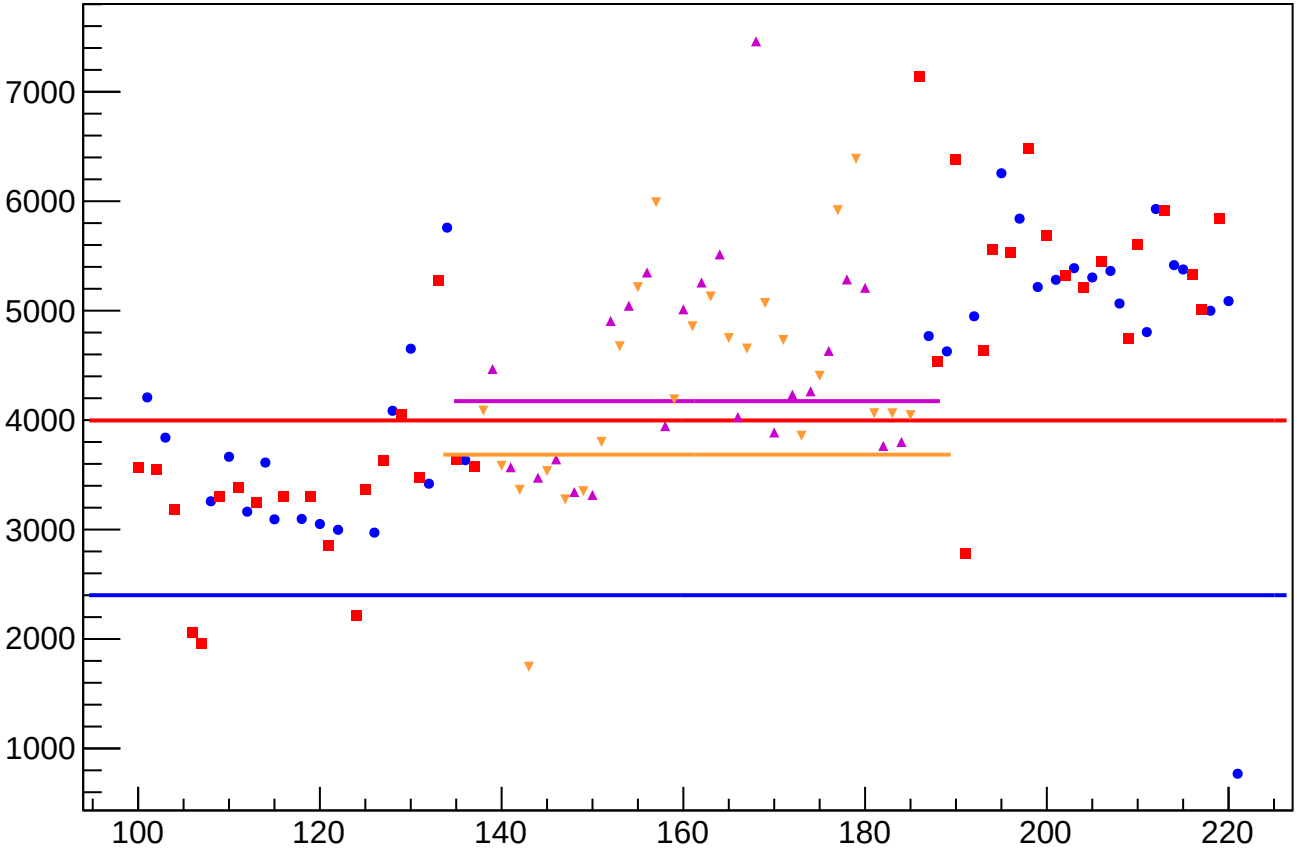
In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11


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: 515.681+/-910.040 χ²/NDF: 46.9/36
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: -124.437+/-532.481 χ²/NDF: 86.3/70
In: -309.319+/-548.097 χ²/NDF:52.9/56
Out: 250.803+/-635.004 χ²/NDF:76.1/61
All: -70.182+/-414.914 χ²/NDF: 129.4/118

asym_atl1r2_dd_atl2r1_dd_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: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

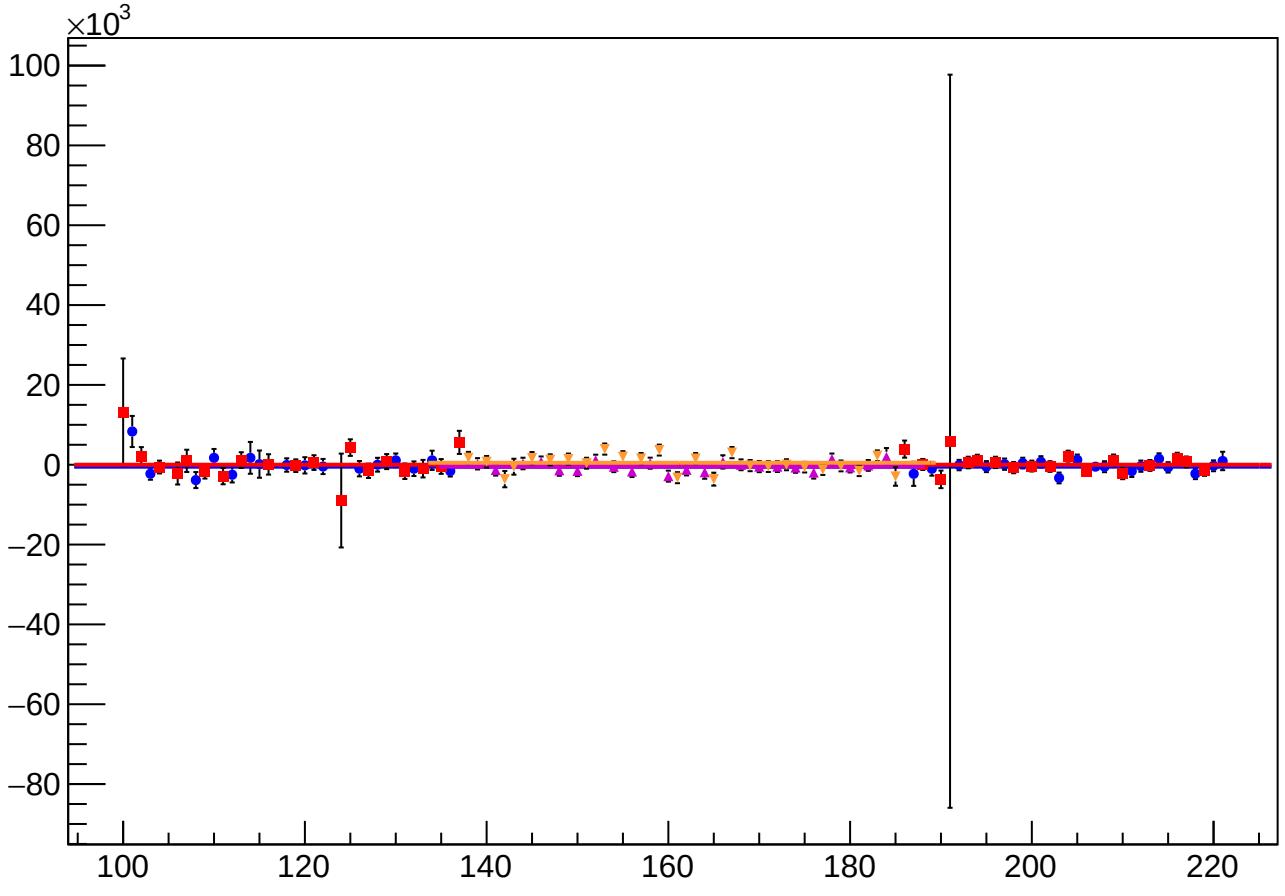
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2946.860+/-0.377 χ^2/NDF: 24496945.6/70

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/



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: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

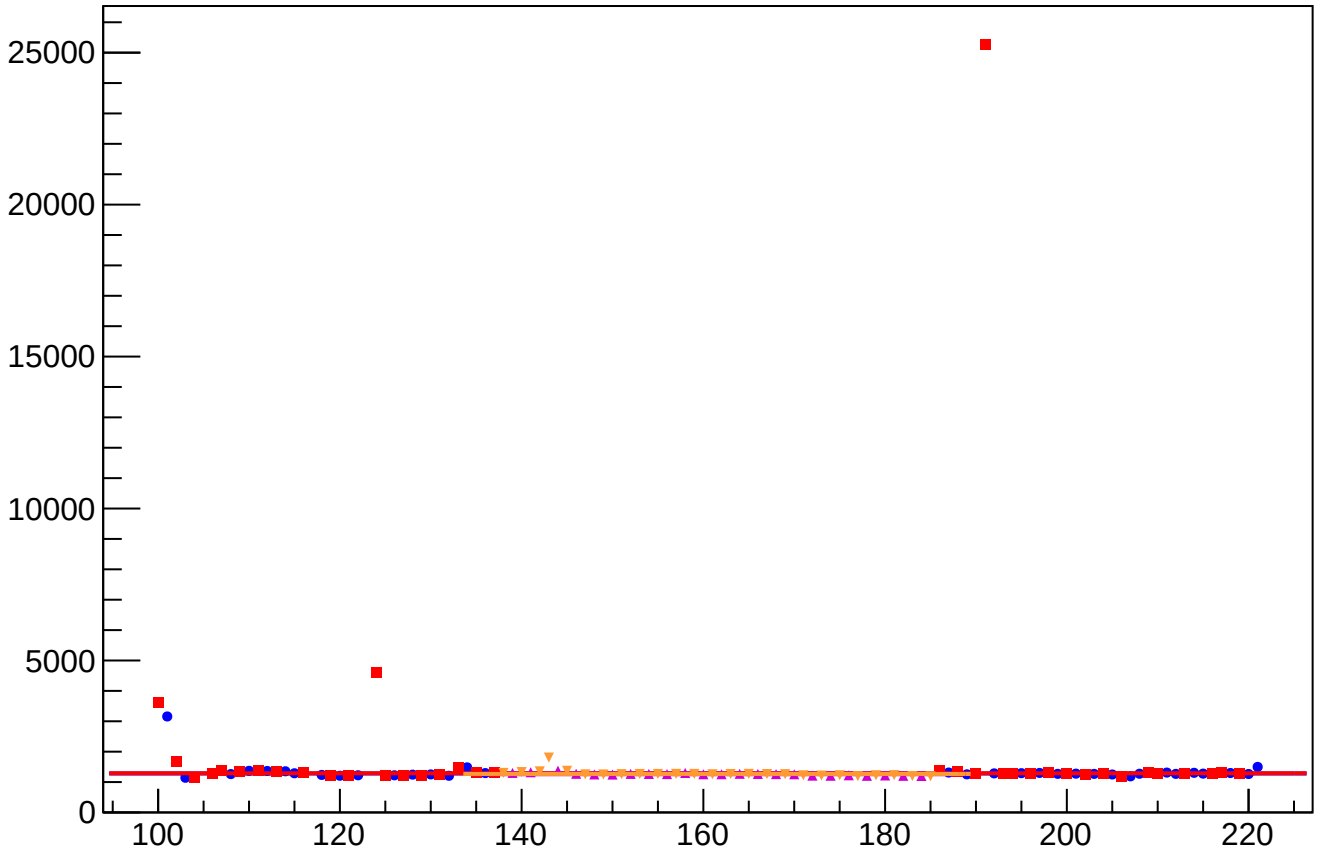
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -247.104+/-198.157 χ^2/NDF: 62.0/70

In: -487.029+/-202.101 χ^2/NDF:41.0/56

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -122.695+/-142.756 χ^2/NDF: 129.8/118



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: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

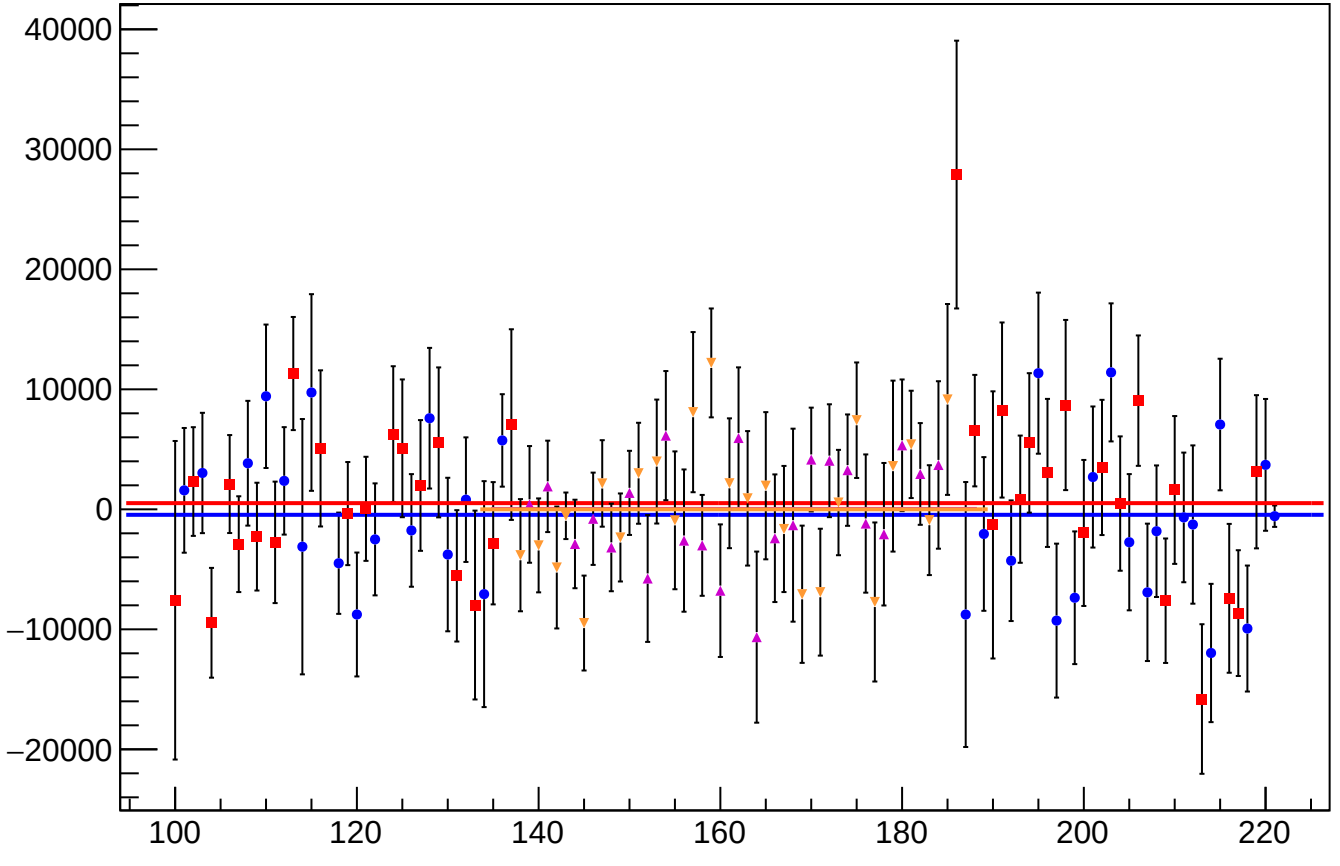
Right: 1285.594+/-0.140 χ^2/NDF: 1039731.4/70

In: 1270.488+/-0.143 χ^2/NDF:592802.6/56

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

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: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

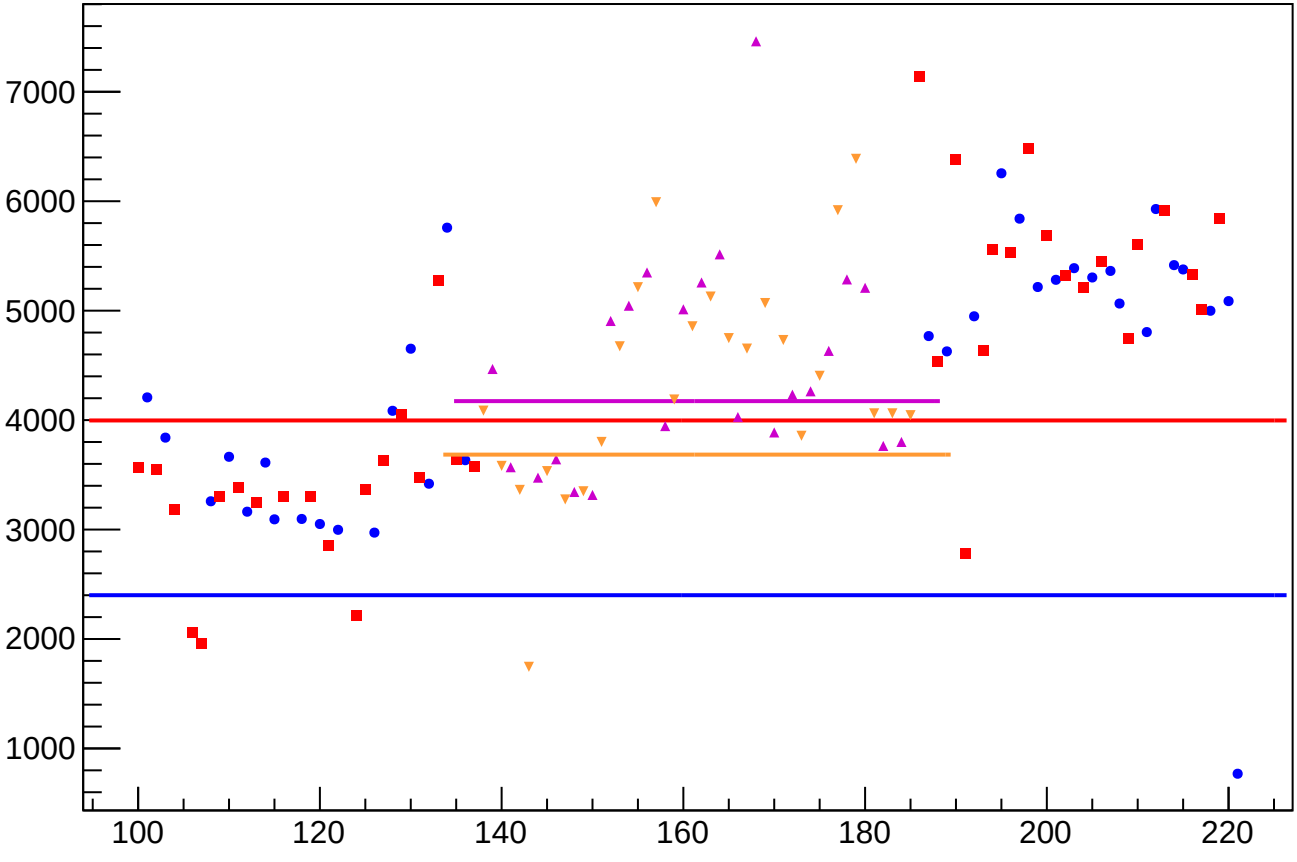
Right: -124.437+/-532.481 χ^2/NDF: 86.3/70

In: -309.319+/-548.097 χ^2/NDF:52.9/56

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: -70.182+/-414.914 χ^2/NDF: 129.4/118

asym_atl1r2_dd_atl2r1_dd_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: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

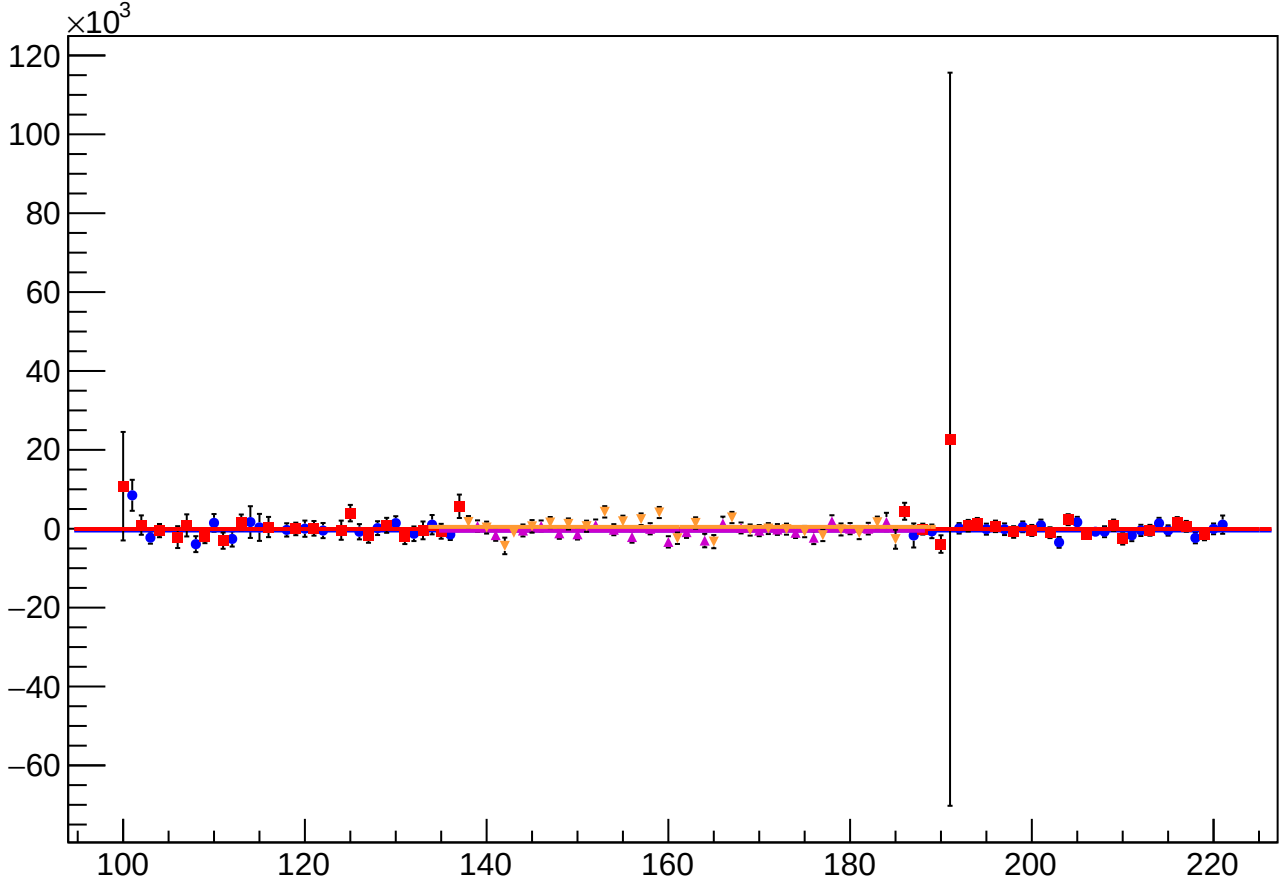
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 2946.860+/-0.377 χ^2/NDF: 24496945.6/70

In: 2937.943+/-0.388 χ^2/NDF:22349341.6/56

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/



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: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

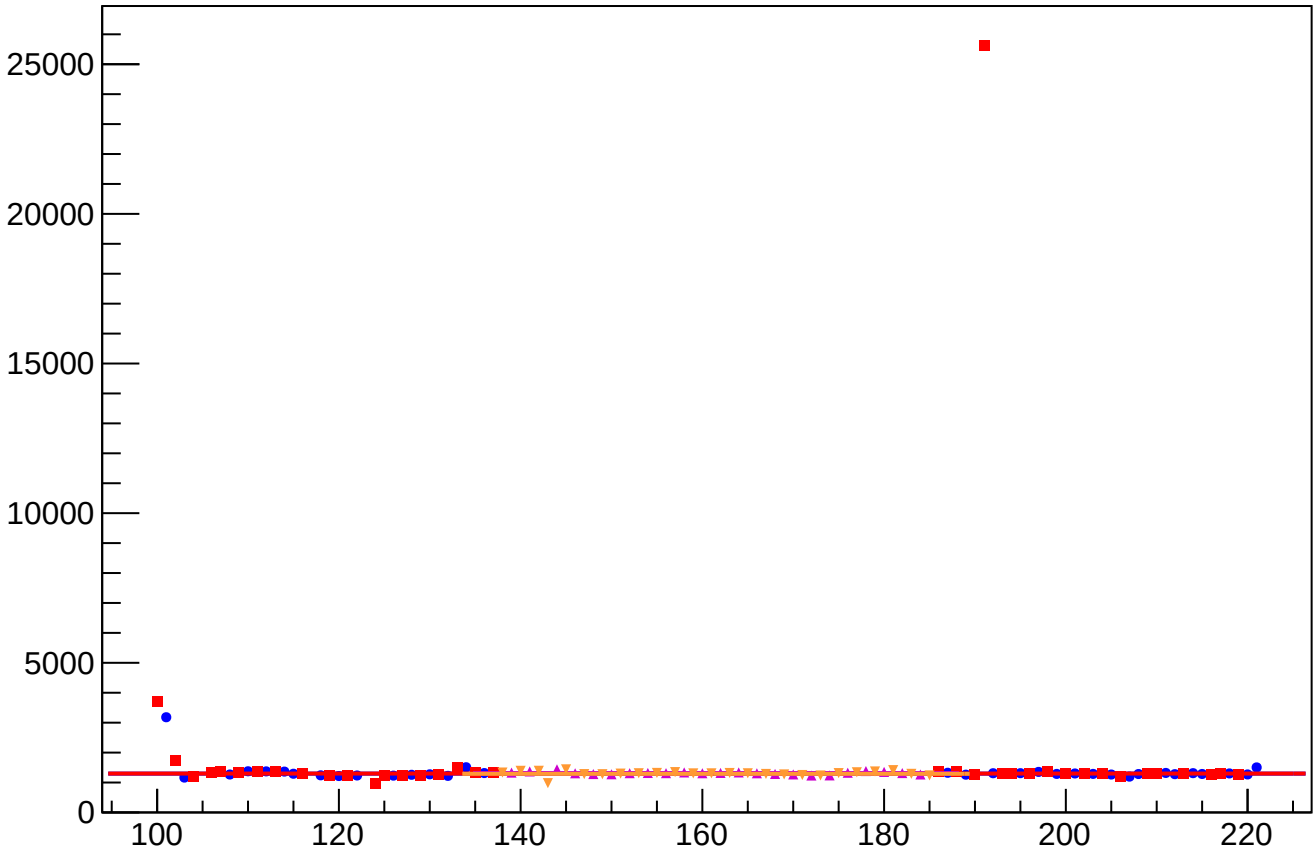
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -258.725+/-200.048 χ^2/NDF: 64.1/70

In: -473.460+/-207.606 χ^2/NDF:45.5/56

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -135.794+/-145.643 χ^2/NDF: 131.7/118



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: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

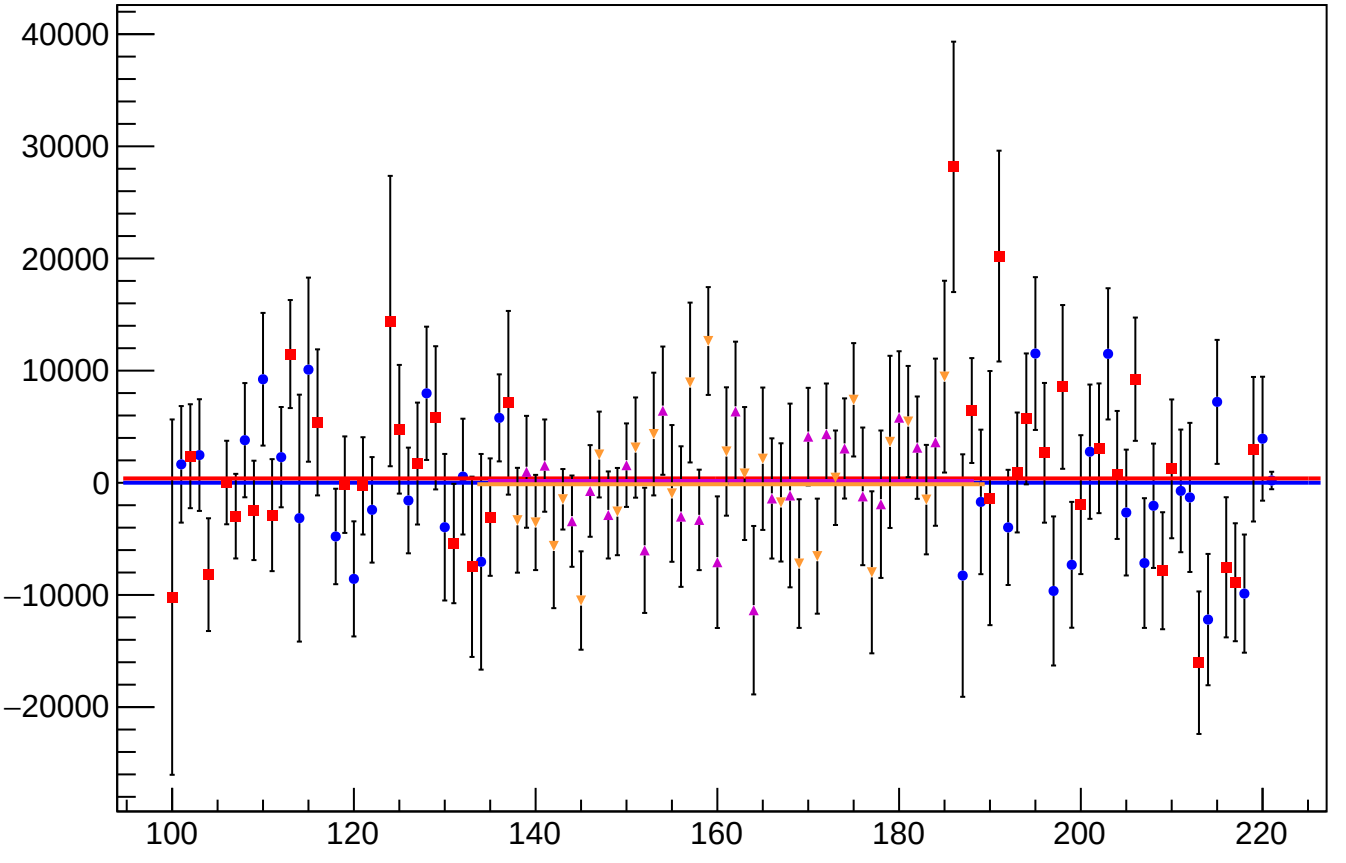
Right: 1298.379+/-0.141 χ^2/NDF: 926768.1/70

In: 1304.899+/-0.147 χ^2/NDF:593552.2/56

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1300.139+/-0.103 χ^2/NDF: 1206622.8/11

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



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: 389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

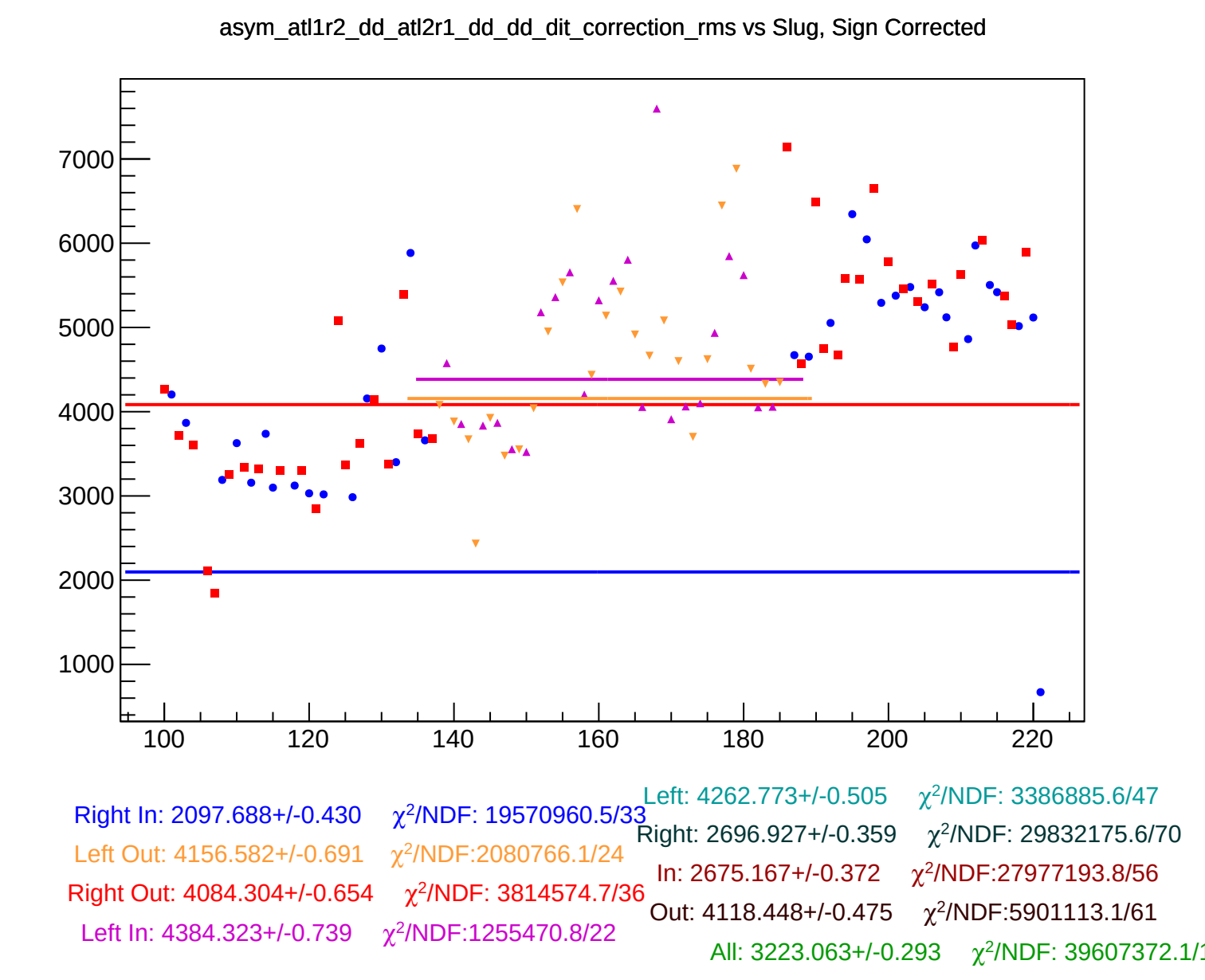
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

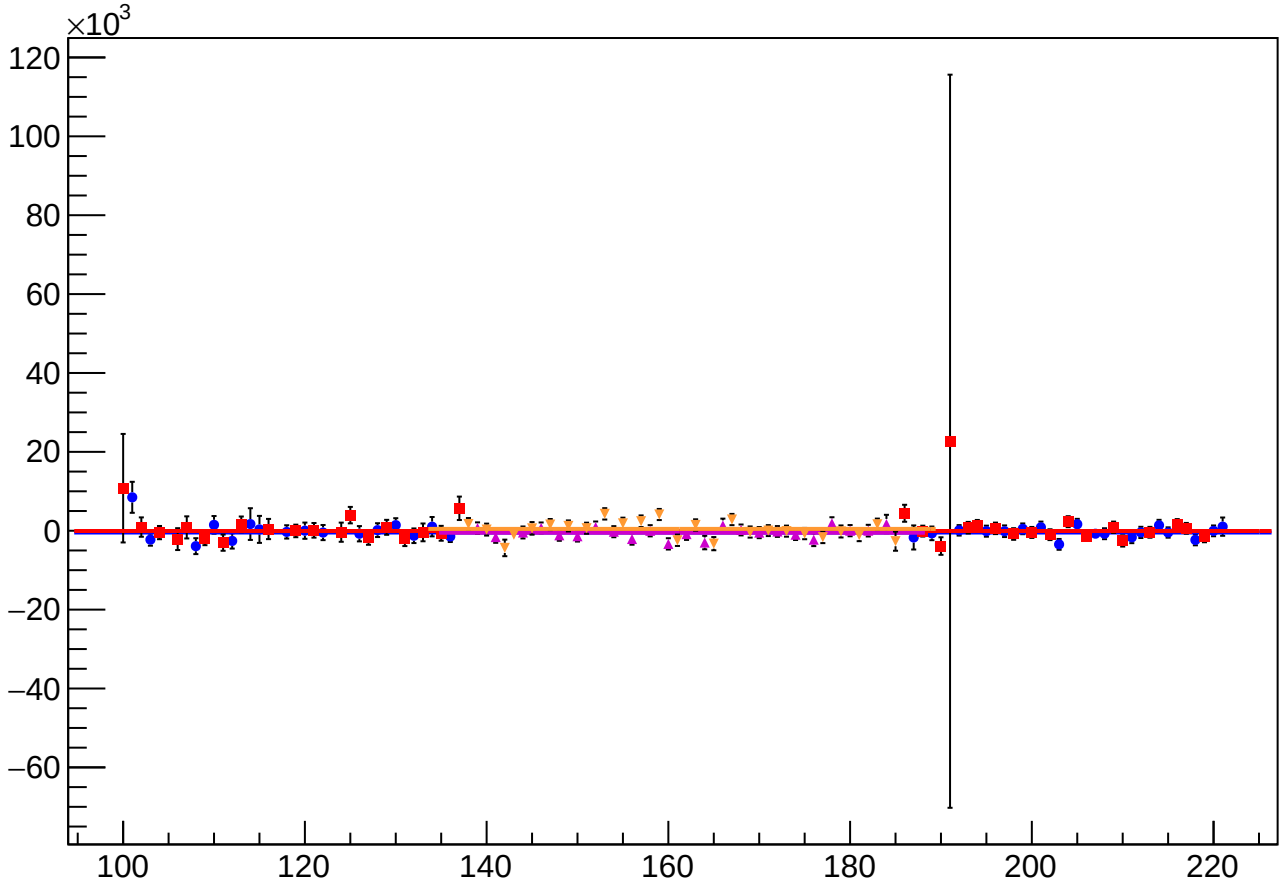
Right: 123.353+/-507.862 χ^2/NDF: 87.3/70

In: 46.484+/-525.409 χ^2/NDF:52.4/56

Out: 145.476+/-671.666 χ^2/NDF:77.2/61

All: 84.064+/-413.835 χ^2/NDF: 129.7/118


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2097.688+/-0.430 χ²/NDF: 19570960.5/33
Left Out: 4156.582+/-0.691 χ²/NDF:2080766.1/24
Right Out: 4084.304+/-0.654 χ²/NDF: 3814574.7/36
Left In: 4384.323+/-0.739 χ²/NDF:1255470.8/22
Left: 4262.773+/-0.505 χ²/NDF: 3386885.6/47
Right: 2696.927+/-0.359 χ²/NDF: 29832175.6/70
In: 2675.167+/-0.372 χ²/NDF:27977193.8/56
Out: 4118.448+/-0.475 χ²/NDF:5901113.1/61
All: 3223.063+/-0.293 χ²/NDF: 39607372.1/



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: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

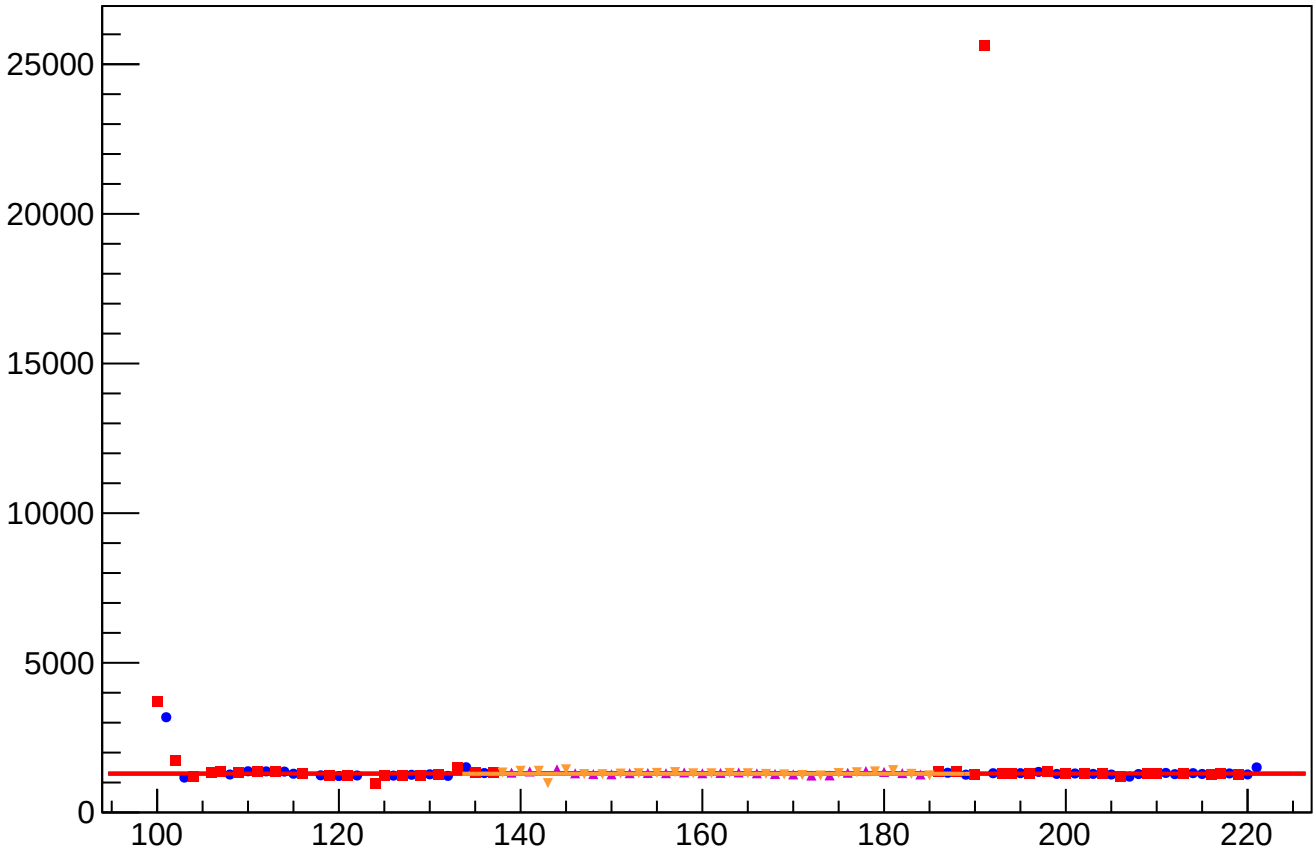
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -258.724+/-200.048 χ^2/NDF: 64.1/70

In: -473.458+/-207.606 χ^2/NDF:45.5/56

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -135.793+/-145.643 χ^2/NDF: 131.7/118



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: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

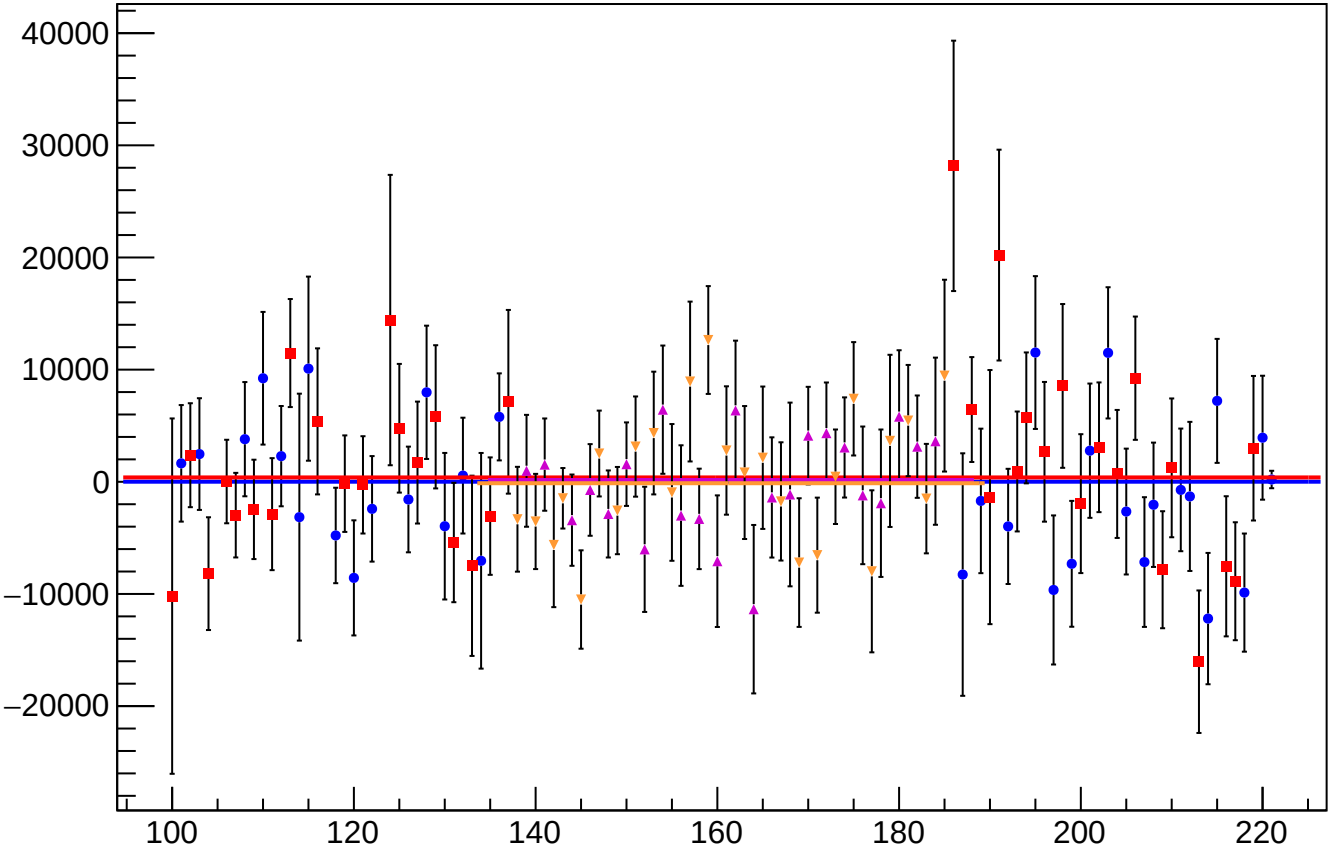
Right: 1298.380+/-0.141 χ^2/NDF: 926768.3/70

In: 1304.900+/-0.147 χ^2/NDF:593554.9/56

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1300.139+/-0.103 χ^2/NDF: 1206627.9/11

asym_atl1r2_dd_atl2r1_dd_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: 389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

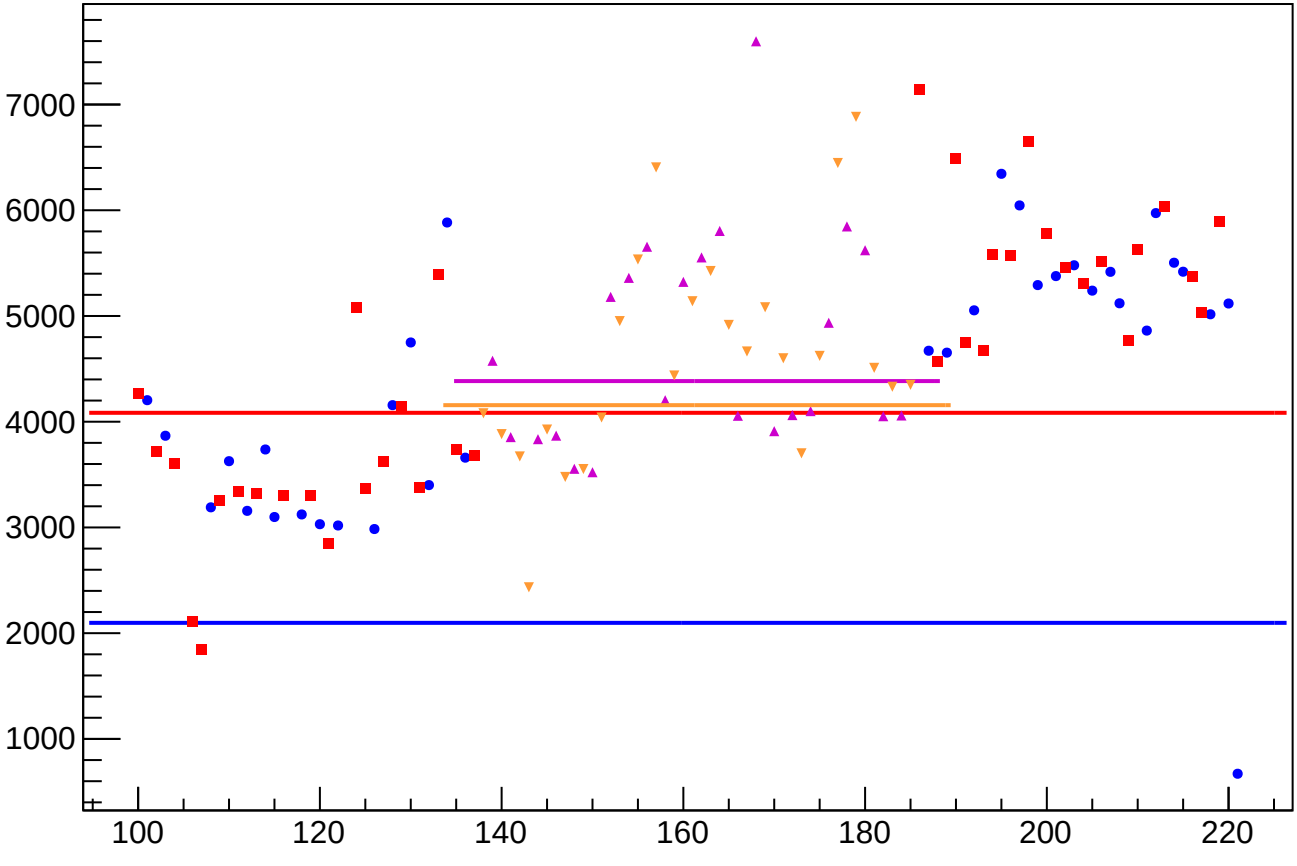
Right: 123.357+/-507.863 χ^2/NDF: 87.3/70

In: 46.490+/-525.411 χ^2/NDF:52.4/56

Out: 145.475+/-671.666 χ^2/NDF:77.2/61

All: 84.066+/-413.836 χ^2/NDF: 129.7/118

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2097.705+/-0.430 χ^2/NDF: 19570803.2/33

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

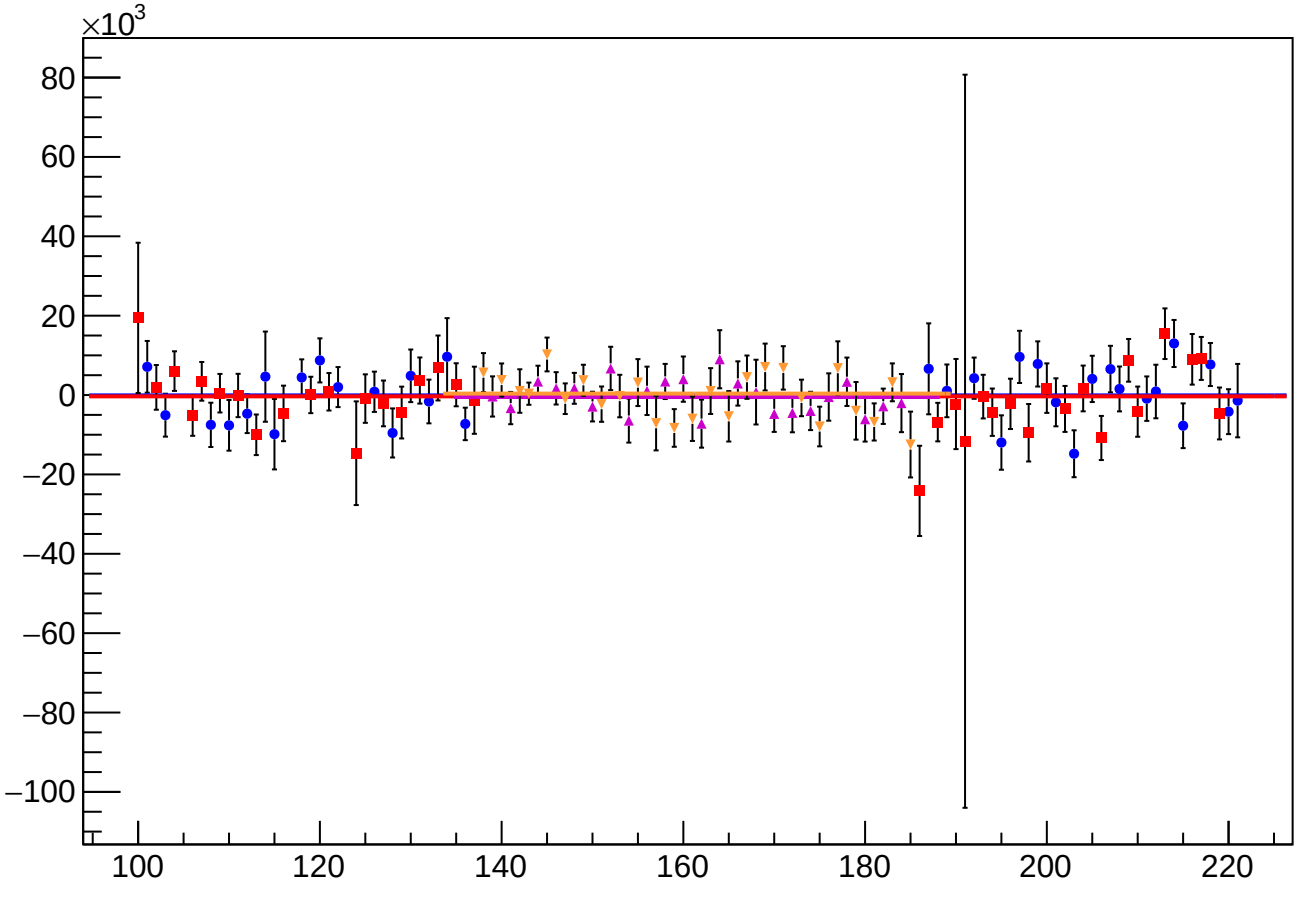
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 2696.942+/-0.359 χ^2/NDF: 29831900.7/70

In: 2675.184+/-0.372 χ^2/NDF:27976943.3/56

Out: 4118.448+/-0.475 χ^2/NDF:5901156.3/61

All: 3223.076+/-0.293 χ^2/NDF: 39607011.6/



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: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

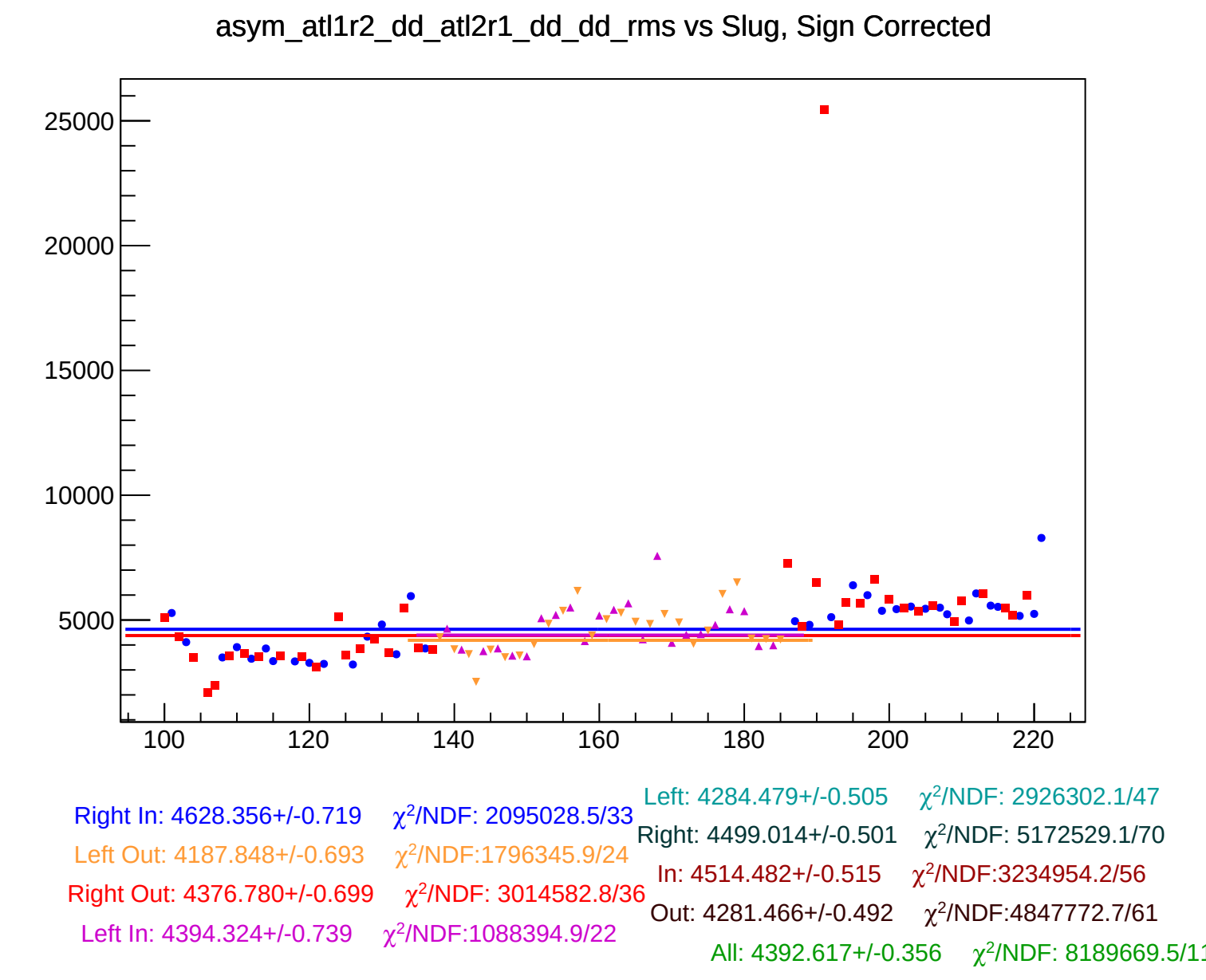
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -210.465+/-711.712 χ^2/NDF: 83.1/70

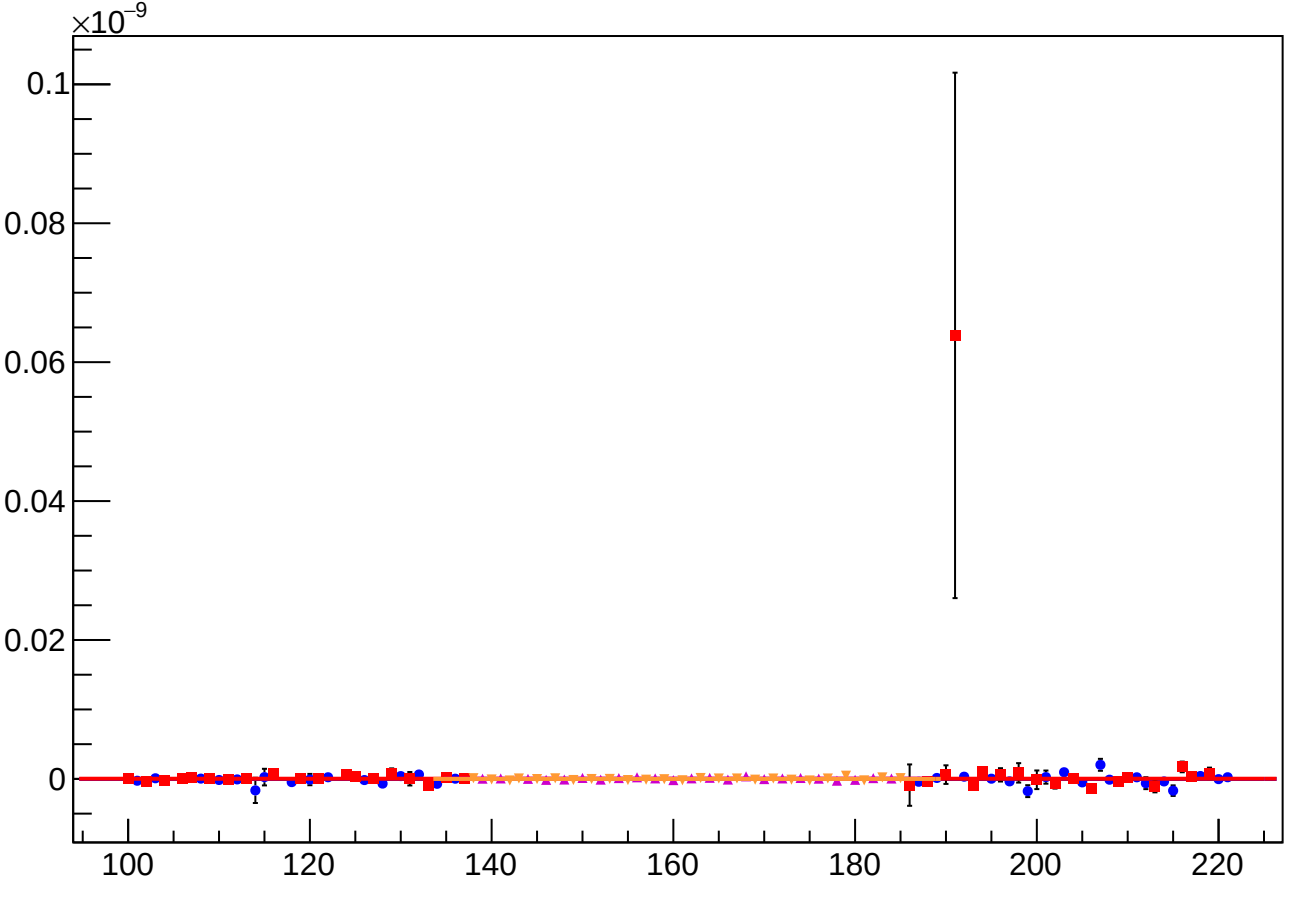
In: -285.749+/-728.737 χ^2/NDF:57.9/56

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -125.578+/-504.306 χ^2/NDF: 125.1/118


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: 4376.780+/-0.699 χ²/NDF: 3014582.8/36
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4499.014+/-0.501 χ²/NDF: 5172529.1/70
In: 4514.482+/-0.515 χ²/NDF:3234954.2/56
Out: 4281.466+/-0.492 χ²/NDF:4847772.7/61
All: 4392.617+/-0.356 χ²/NDF: 8189669.5/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

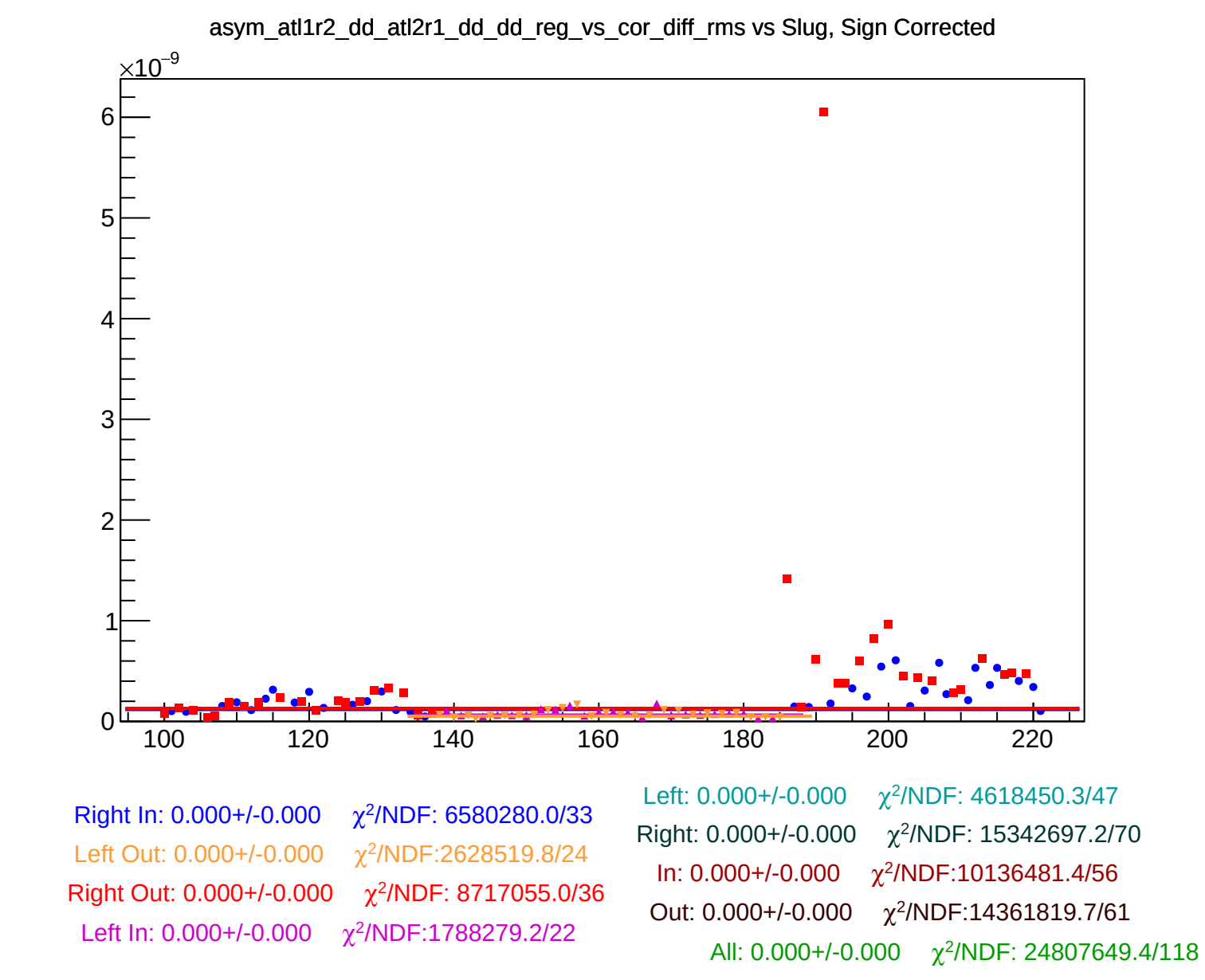
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: 0.000+/-0.000 χ^2/NDF: 84.0/70

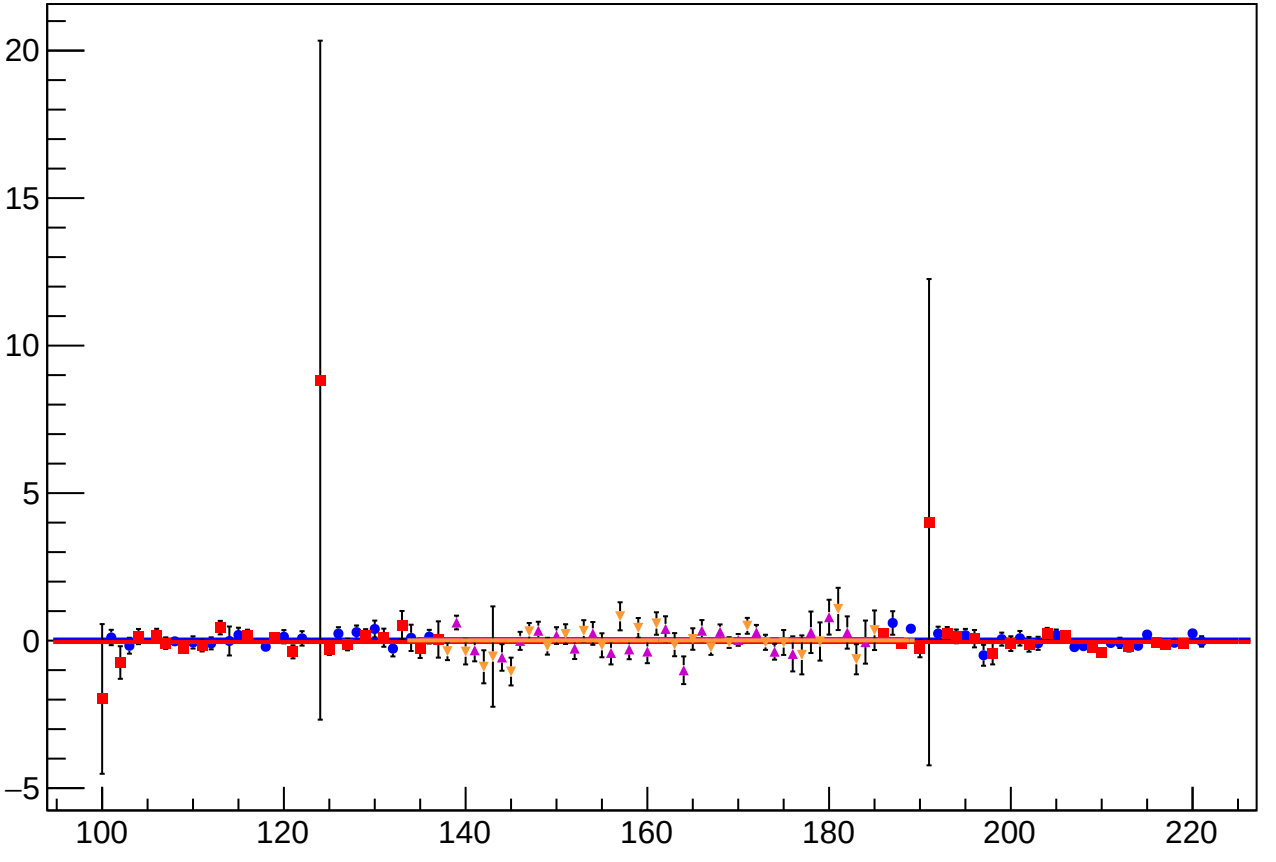
In: 0.000+/-0.000 χ^2/NDF:59.7/56

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 132.0/118


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: 8717055.0/36
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: 15342697.2/70
In: 0.000+/-0.000 χ²/NDF:10136481.4/56
Out: 0.000+/-0.000 χ²/NDF:14361819.7/61
All: 0.000+/-0.000 χ²/NDF: 24807649.4/118

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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

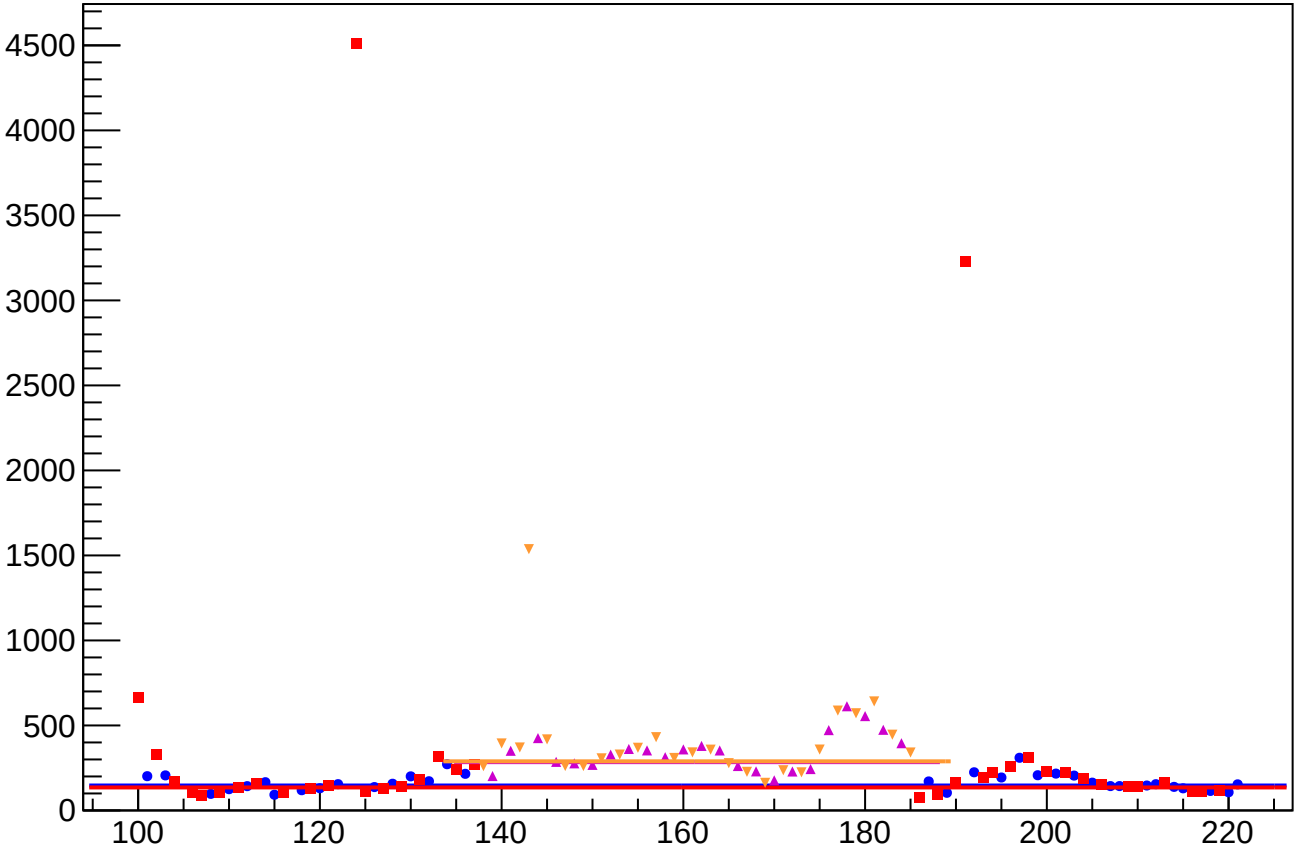
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

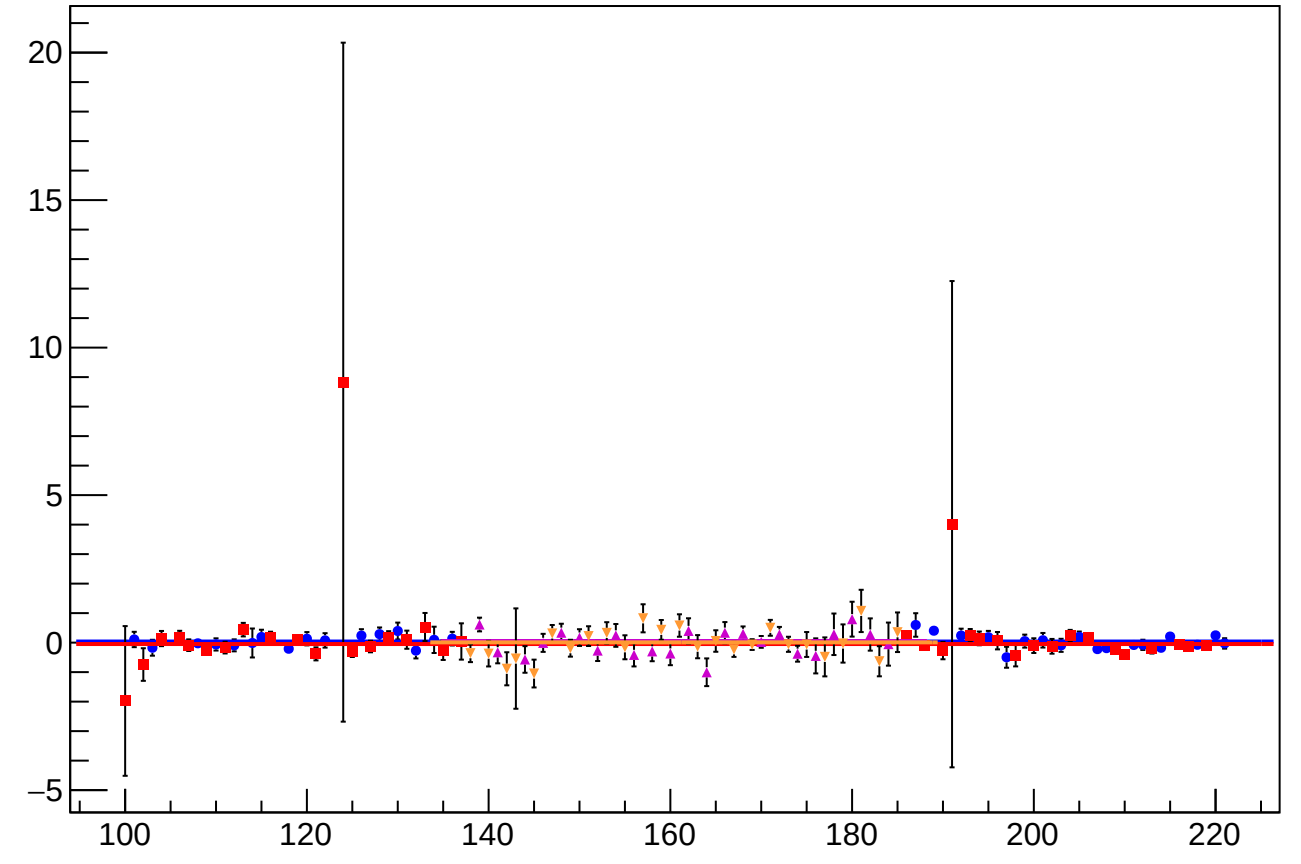
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 140.850+/-0.016 χ^2/NDF: 7841810.6/70

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.386+/-0.015 χ^2/NDF: 29573288.7/11



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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

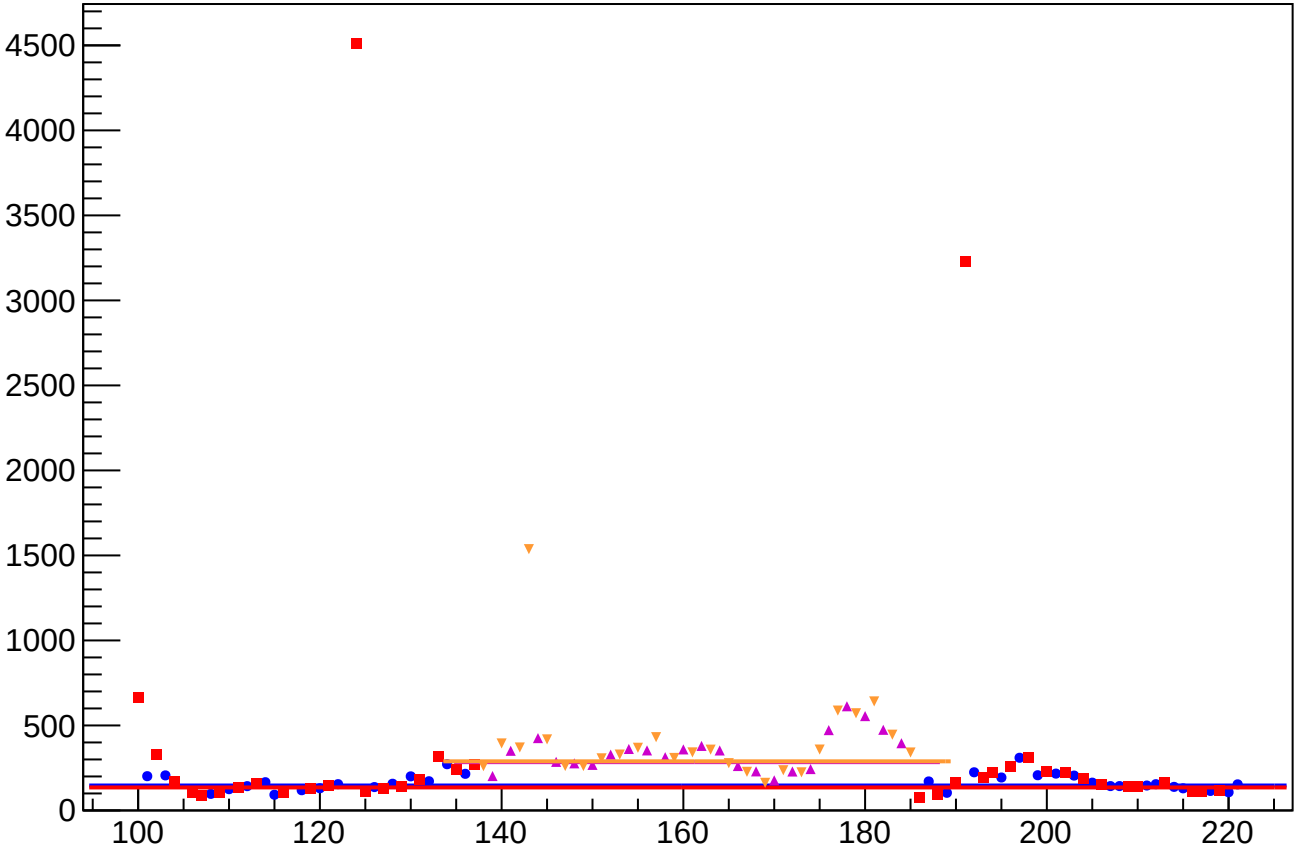
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

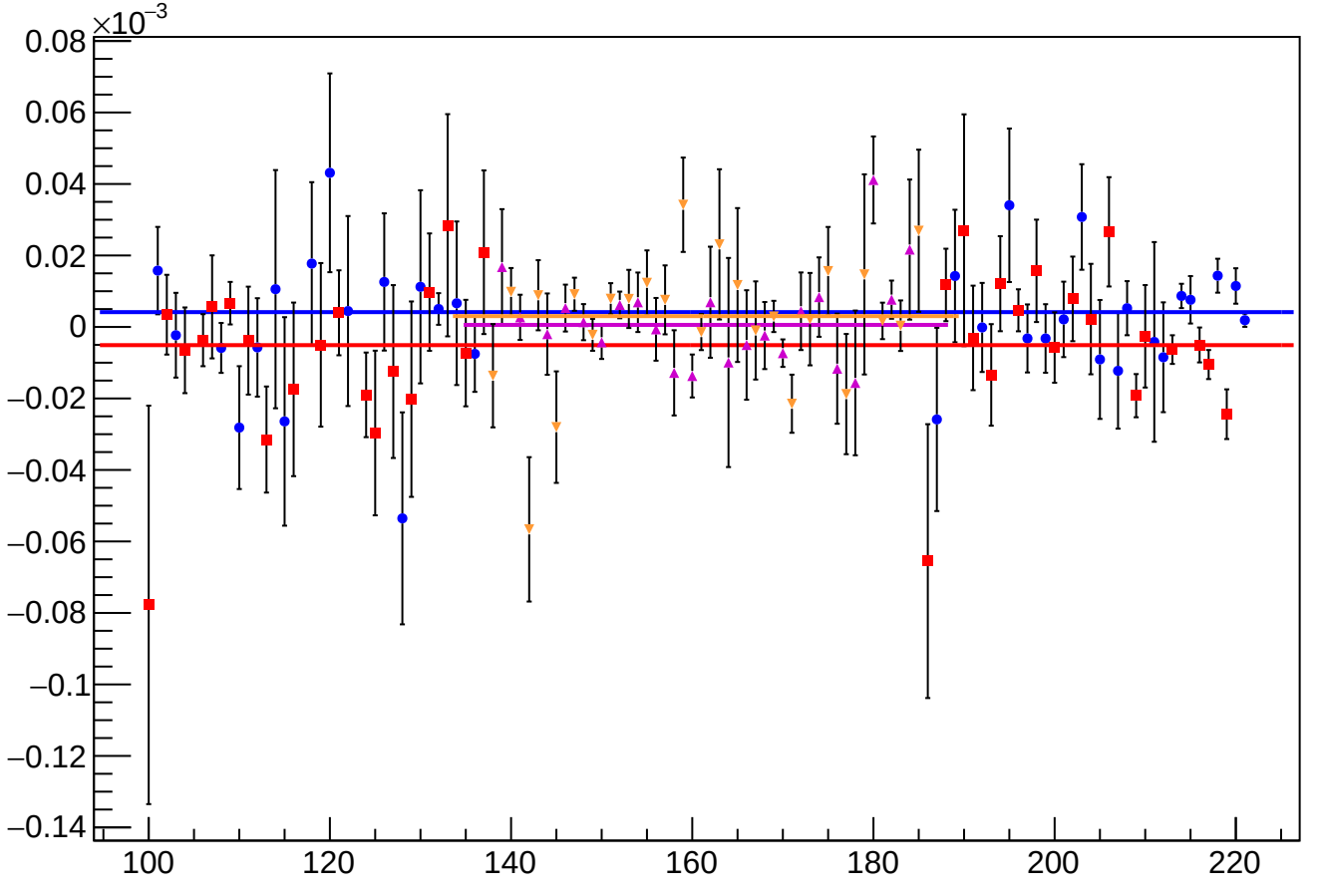
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 140.850+/-0.016 χ^2/NDF: 7841810.6/70

In: 171.608+/-0.021 χ^2/NDF:12106999.0/56

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.386+/-0.015 χ^2/NDF: 29573288.7/11



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: 51.0/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

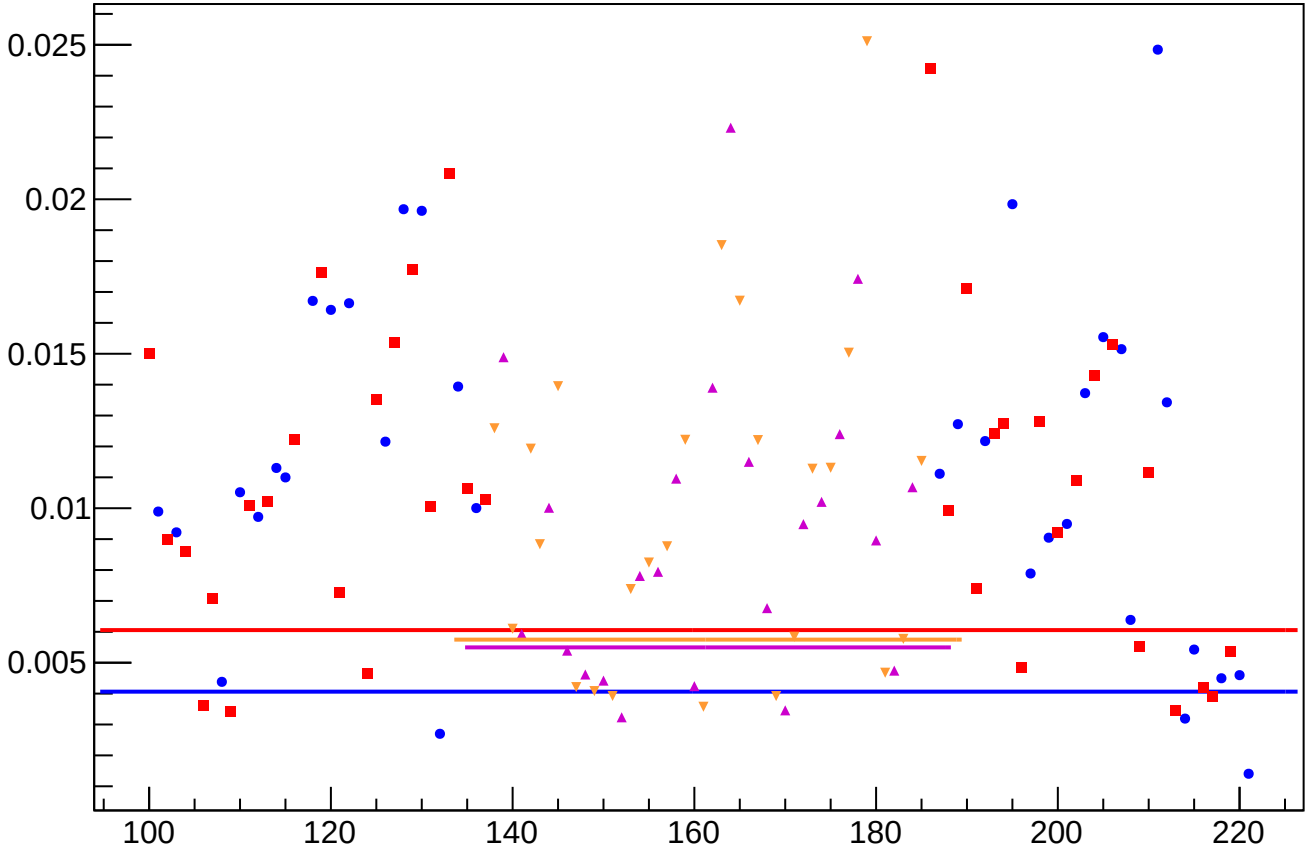
Right: 0.000+/-0.000 χ^2/NDF: 109.9/70

In: 0.000+/-0.000 χ^2/NDF:73.6/56

Out: -0.000+/-0.000 χ^2/NDF:107.1/61

All: 0.000+/-0.000 χ^2/NDF: 187.3/118

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: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

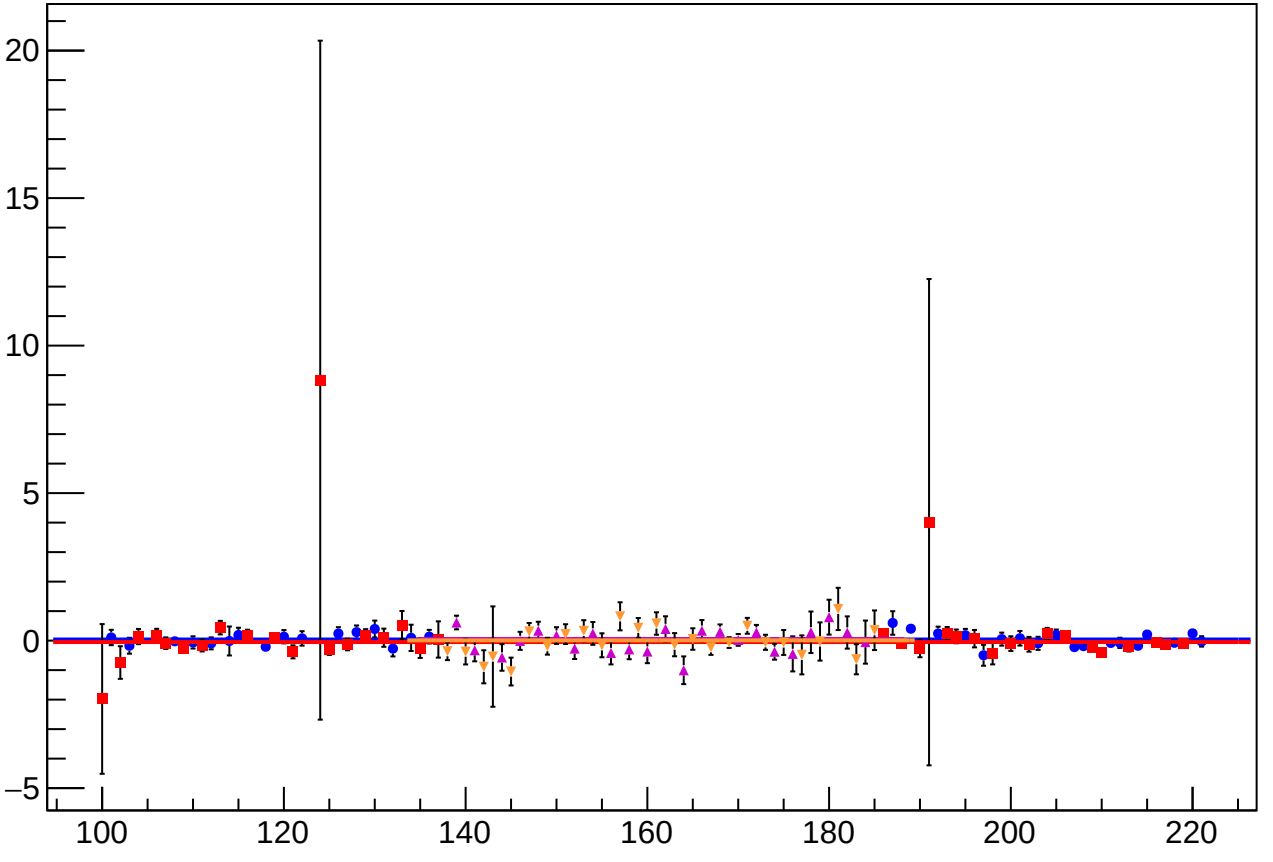
Right: 0.005+/-0.000 χ^2/NDF: 30837200.6/70

In: 0.005+/-0.000 χ^2/NDF:26952026.4/56

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.005+/-0.000 χ^2/NDF: 46554619.6/118

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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

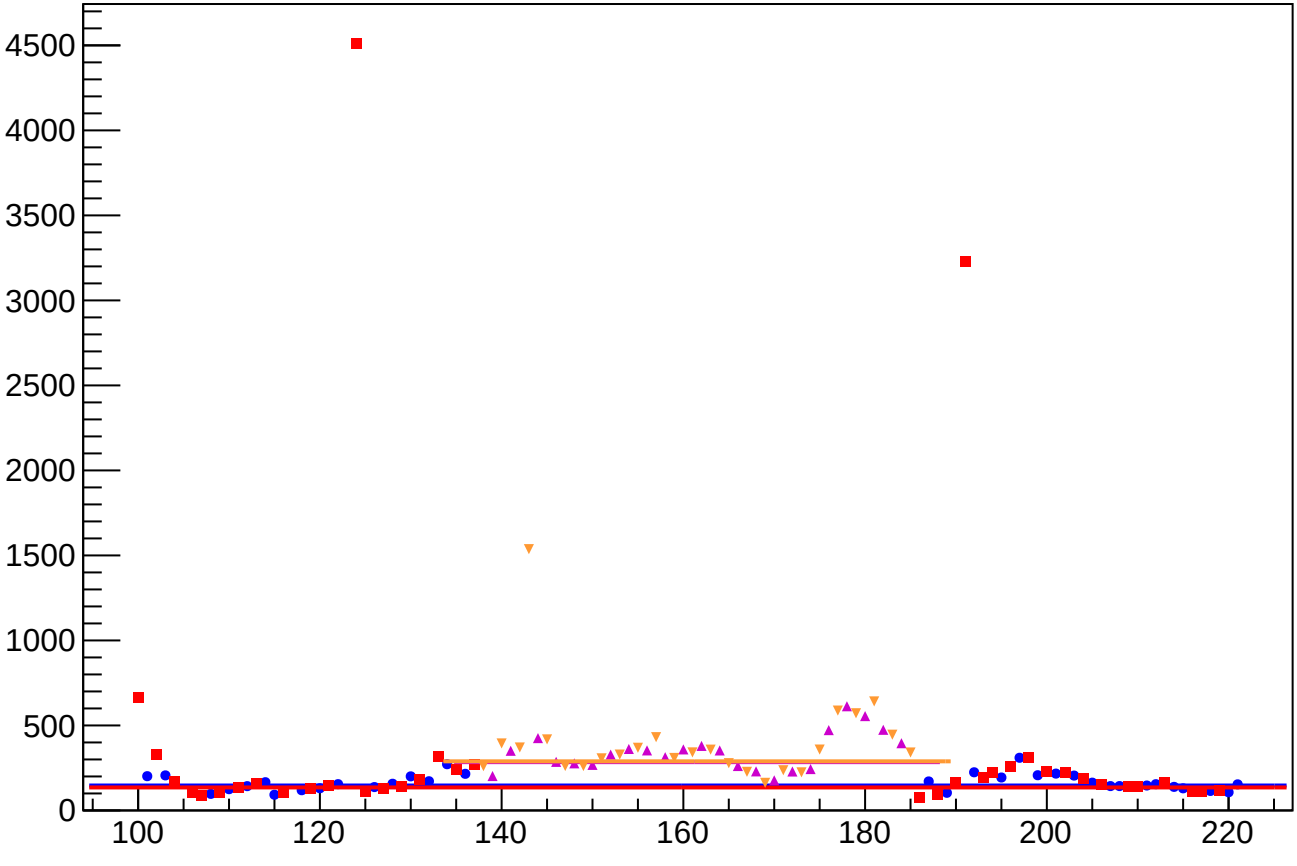
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

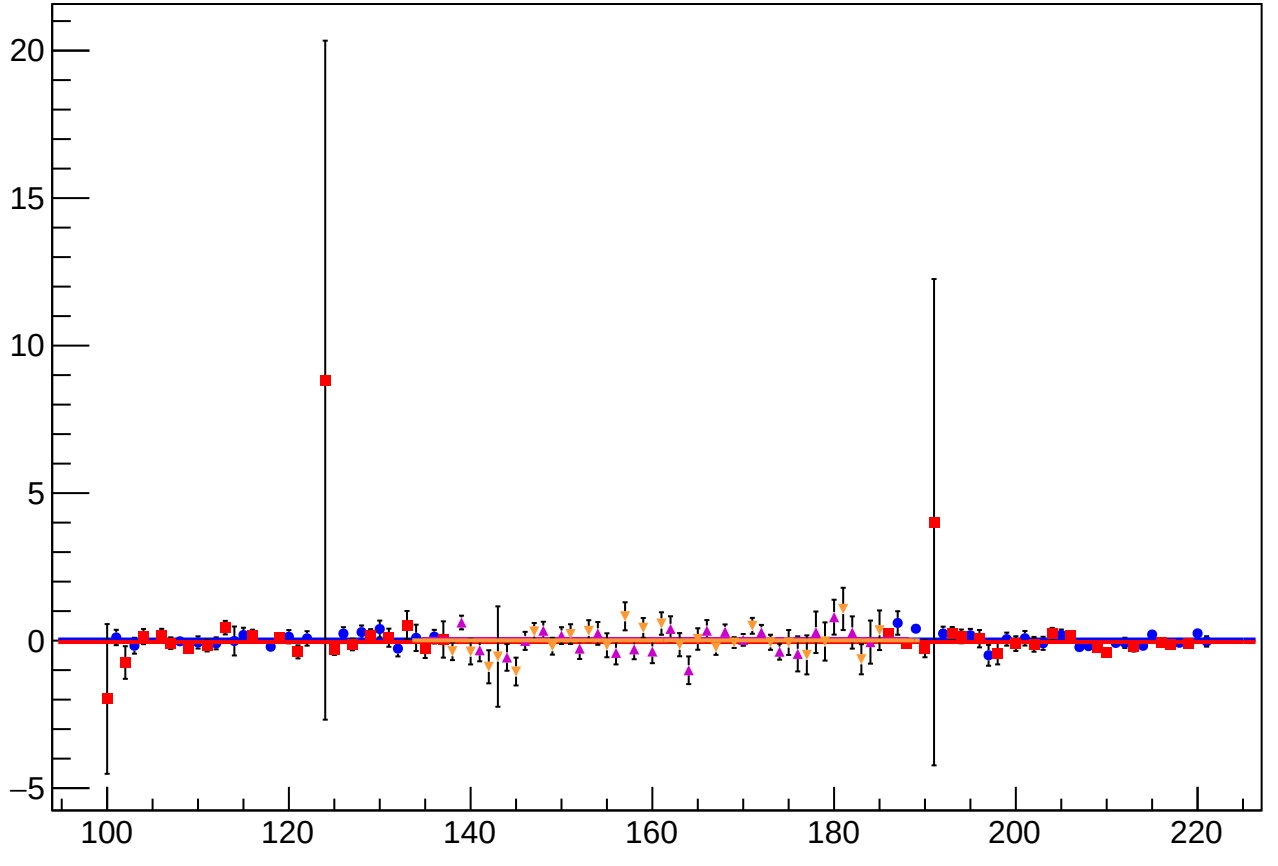
Right: 140.851+/-0.016 χ^2/NDF: 7841610.0/70

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11

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: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

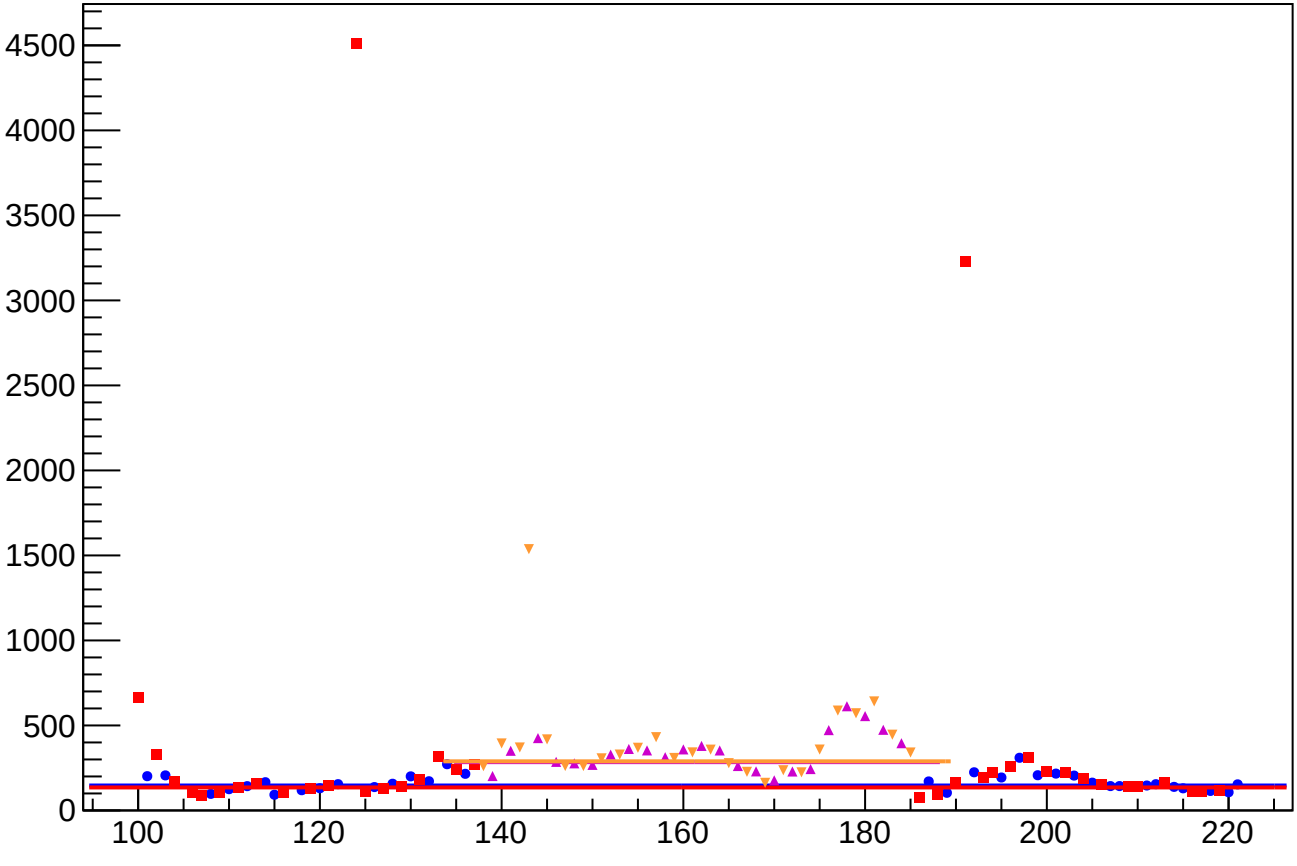
Right: -0.007+/-0.023 χ^2/NDF: 80.4/70

In: 0.040+/-0.030 χ^2/NDF:63.2/56

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/118

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: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

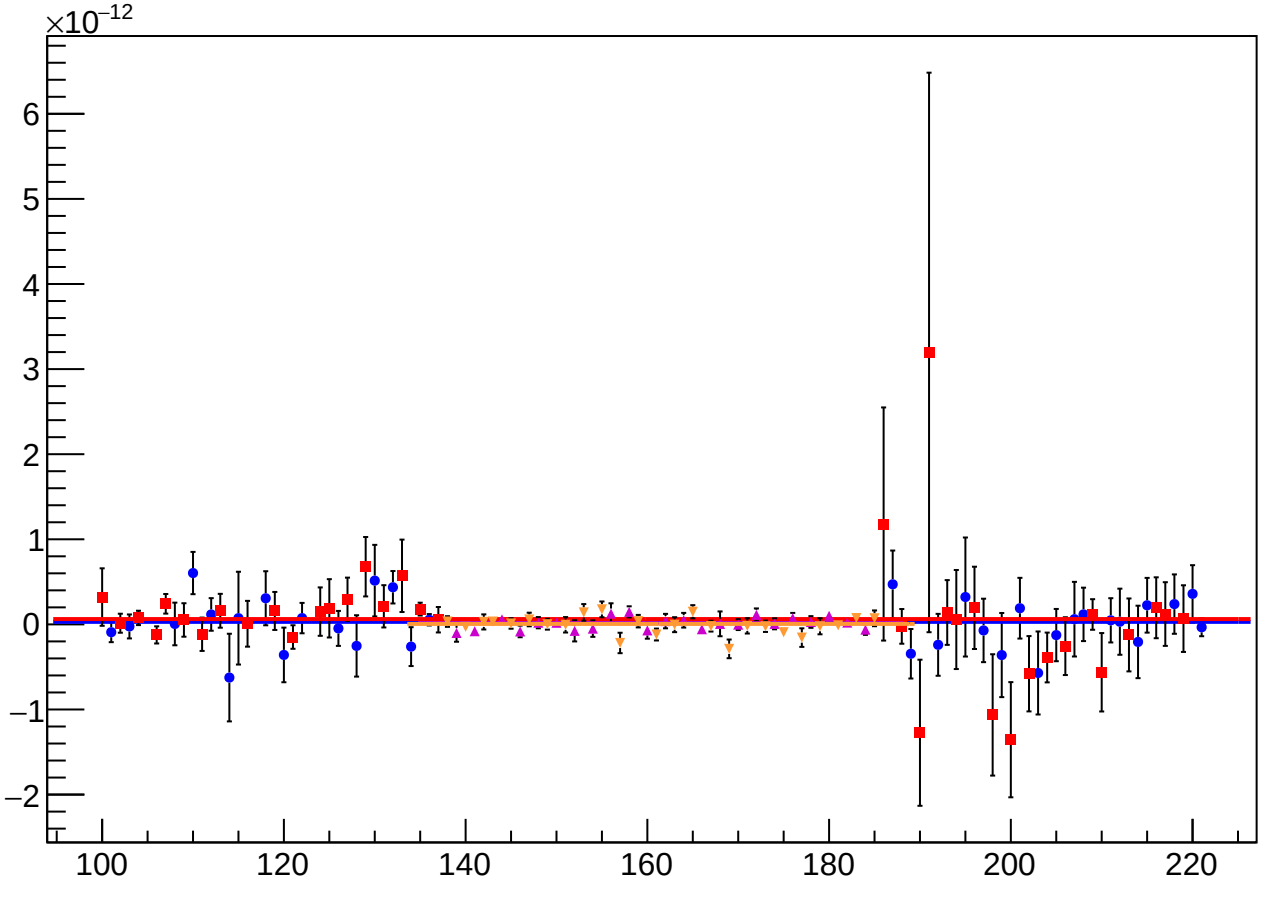
Right: 140.851+/-0.016 χ^2/NDF: 7841610.0/70

In: 171.609+/-0.021 χ^2/NDF:12107138.1/56

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_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:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

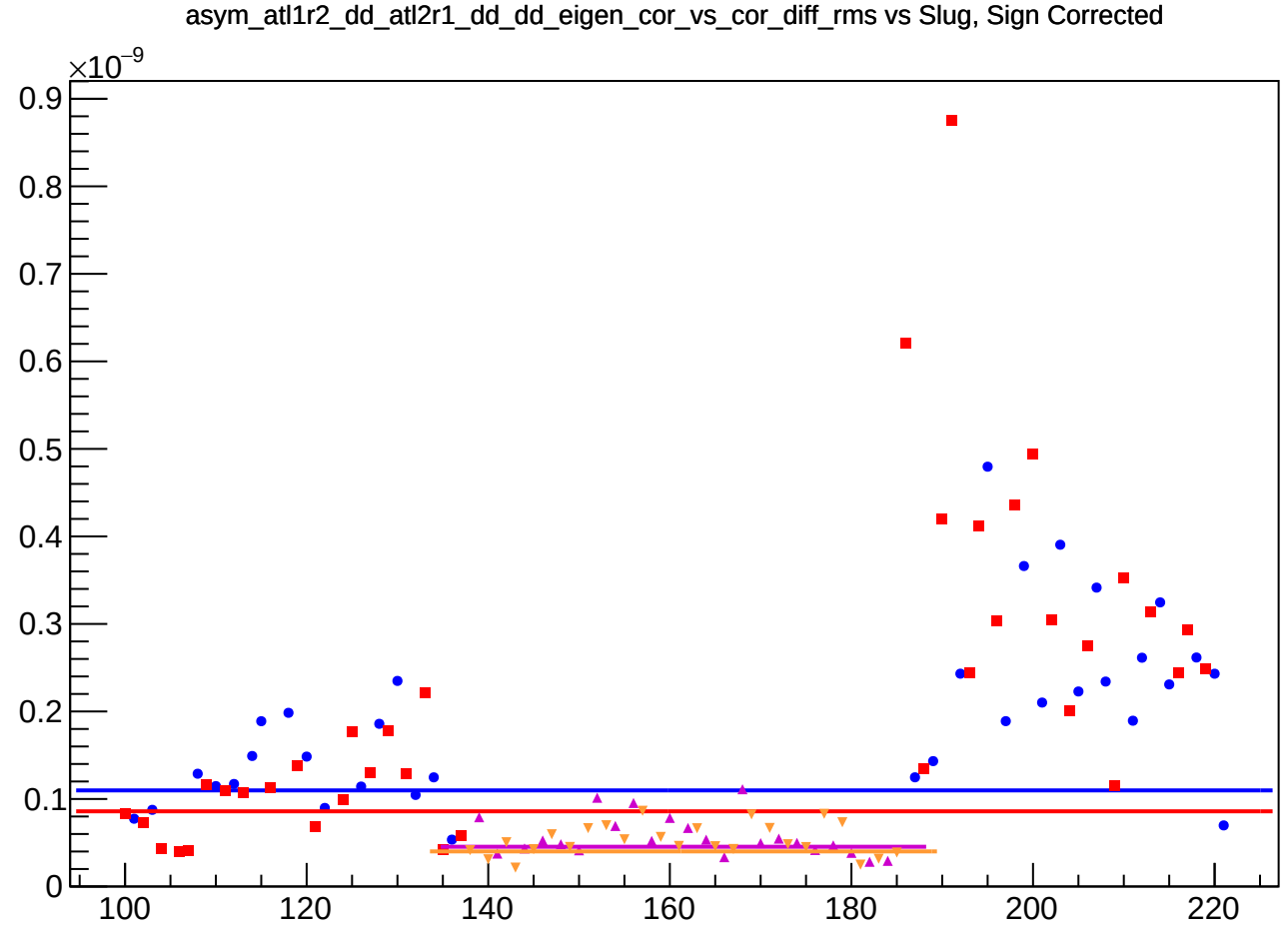
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 65.7/70

In: 0.000+/-0.000 χ^2/NDF:51.2/56

Out: 0.000+/-0.000 χ^2/NDF:74.4/61

All: 0.000+/-0.000 χ^2/NDF: 125.6/118



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: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

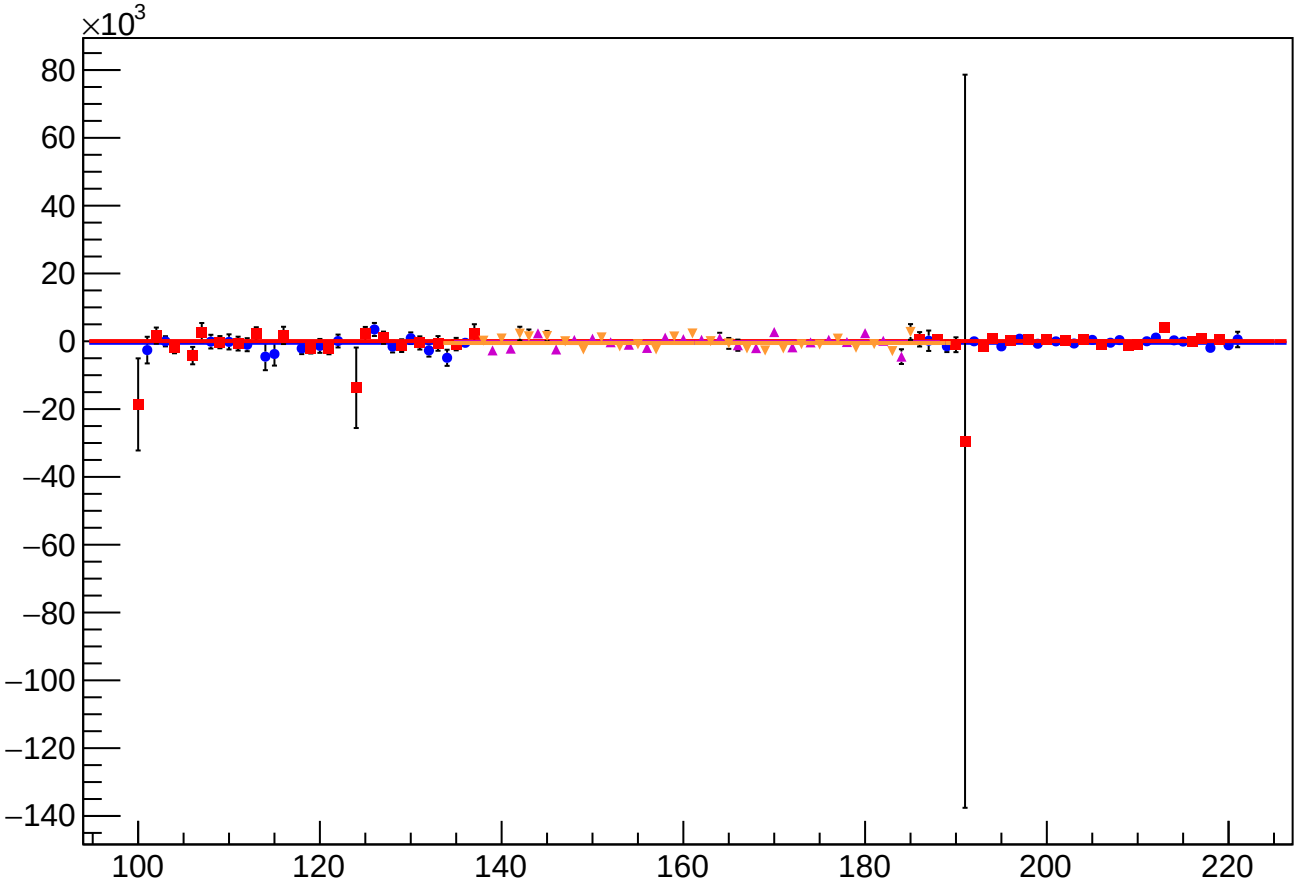
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18749242.2/70

In: 0.000+/-0.000 χ^2/NDF:16239522.0/56

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 34202884.1/118



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: 60.765+/-280.571 χ^2/NDF: 30.2/36

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

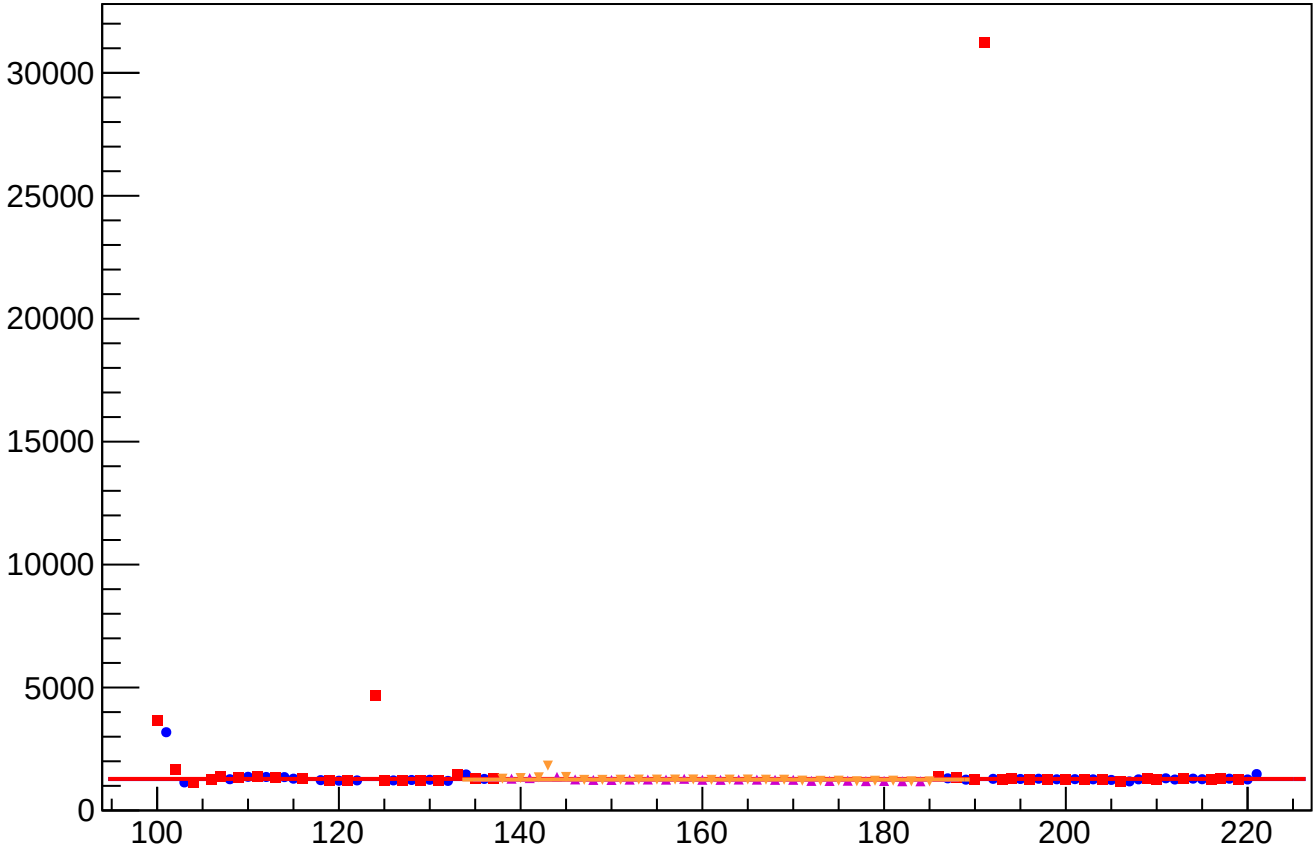
Right: -196.278+/-197.227 χ^2/NDF: 51.9/70

In: -350.013+/-200.804 χ^2/NDF:52.3/56

Out: -221.404+/-200.267 χ^2/NDF:63.2/61

All: -285.536+/-141.799 χ^2/NDF: 115.7/118

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



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: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

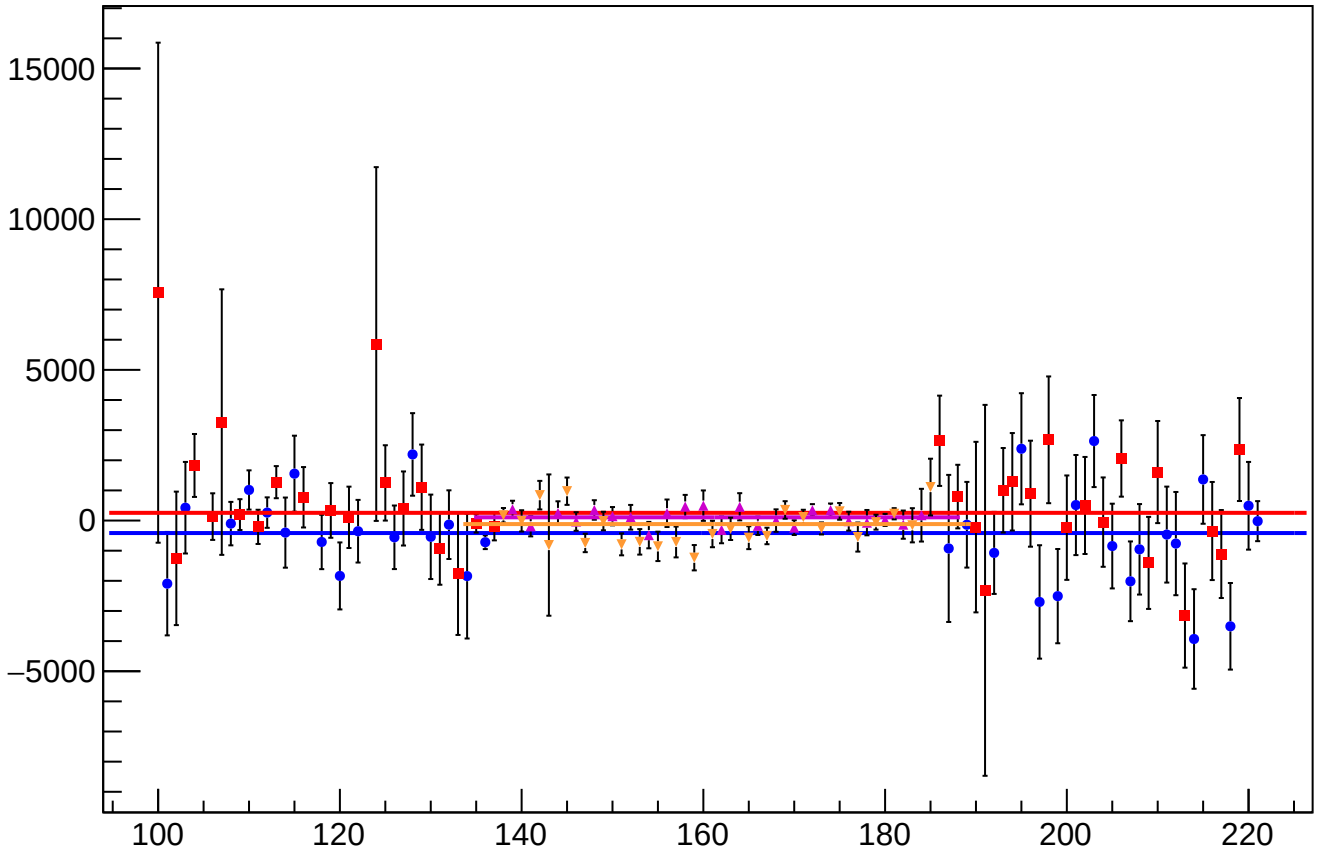
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.725+/-0.139 χ^2/NDF: 1060043.4/70

In: 1262.242+/-0.142 χ^2/NDF:602012.9/56

Out: 1269.452+/-0.142 χ^2/NDF:721196.4/61

All: 1265.856+/-0.100 χ^2/NDF: 1324501.9/11



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: 256.088+/-154.653 χ^2/NDF: 30.4/36

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

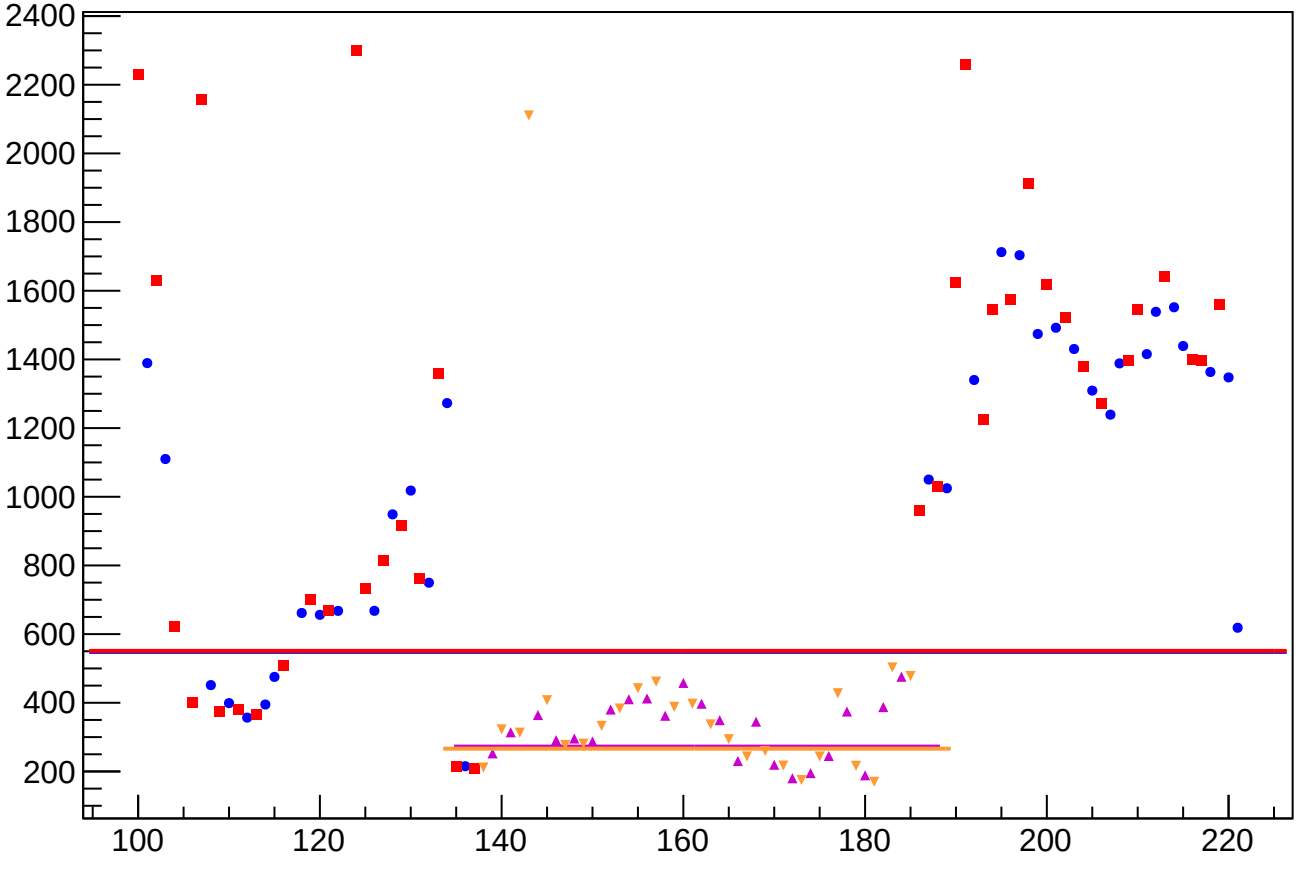
Right: -90.204+/-107.556 χ^2/NDF: 81.6/70

In: 20.220+/-61.154 χ^2/NDF:65.4/56

Out: -60.926+/-59.969 χ^2/NDF:83.8/61

All: -21.147+/-42.817 χ^2/NDF: 150.0/118

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: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

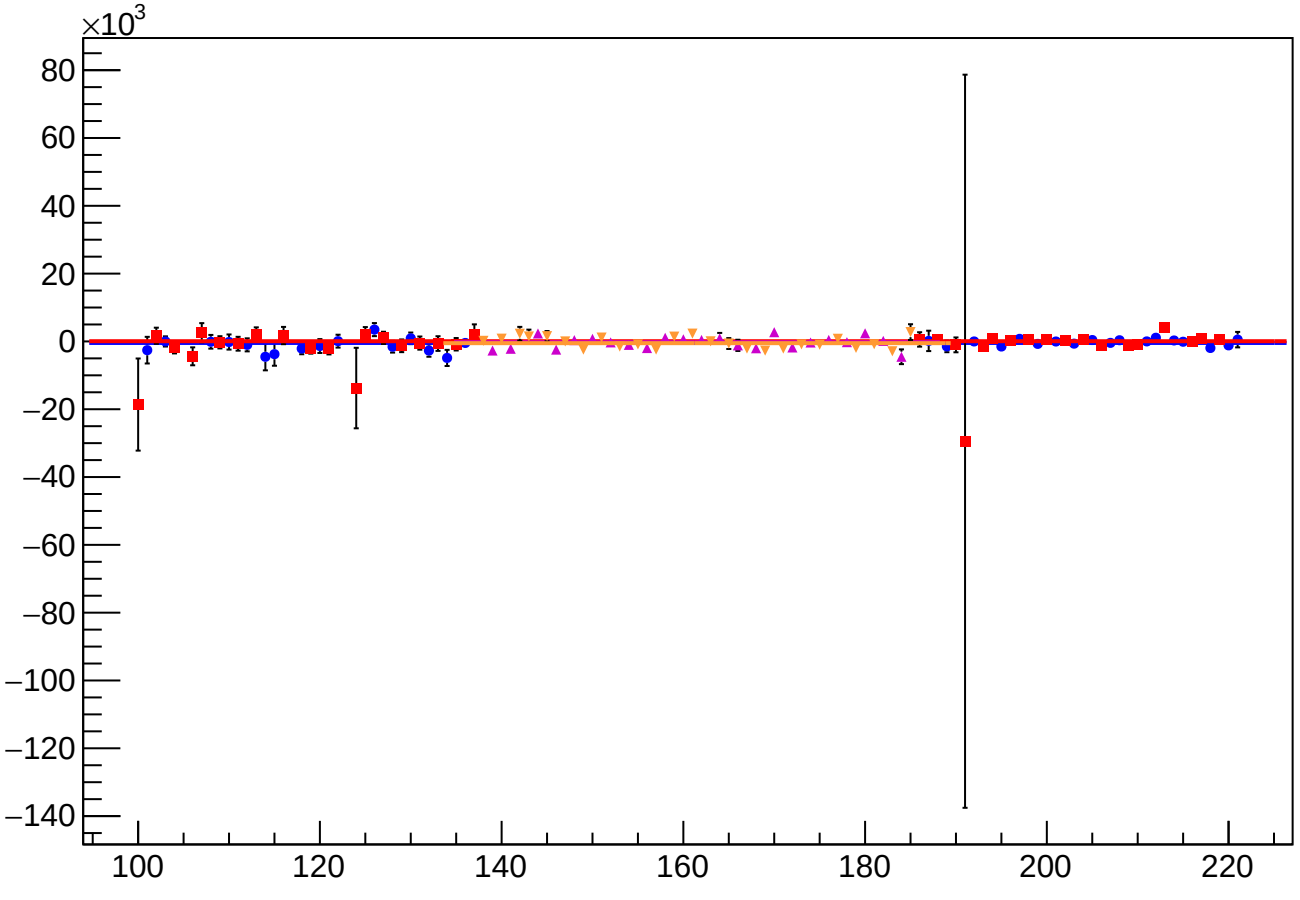
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 549.675+/-0.076 χ^2/NDF: 33096039.4/70

In: 318.425+/-0.043 χ^2/NDF:25129303.2/56

Out: 309.147+/-0.042 χ^2/NDF:26910020.6/61

All: 313.695+/-0.030 χ^2/NDF: 52062794.9/11



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: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

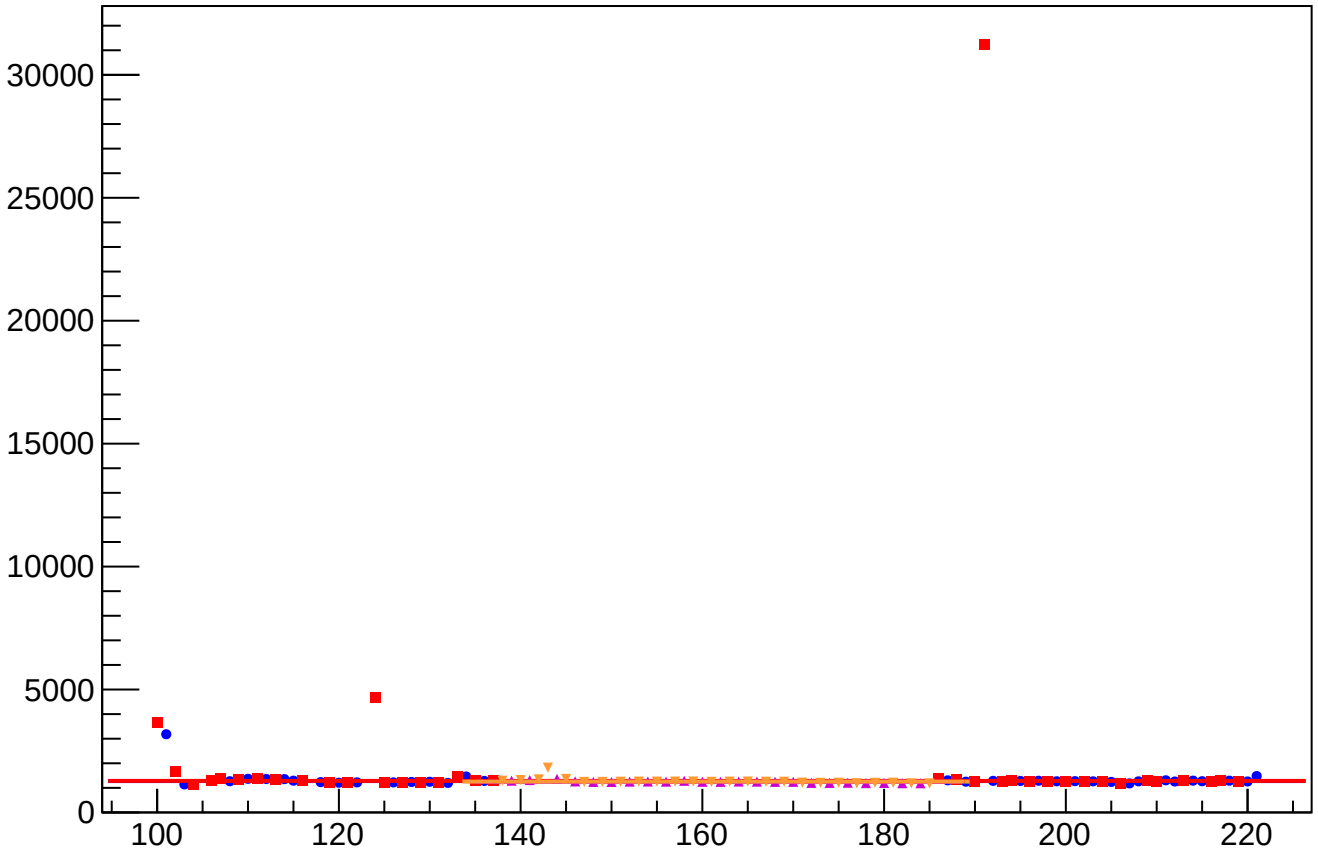
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -195.727+/-197.262 χ^2/NDF: 51.9/70

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -285.249+/-141.812 χ^2/NDF: 115.7/118



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: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

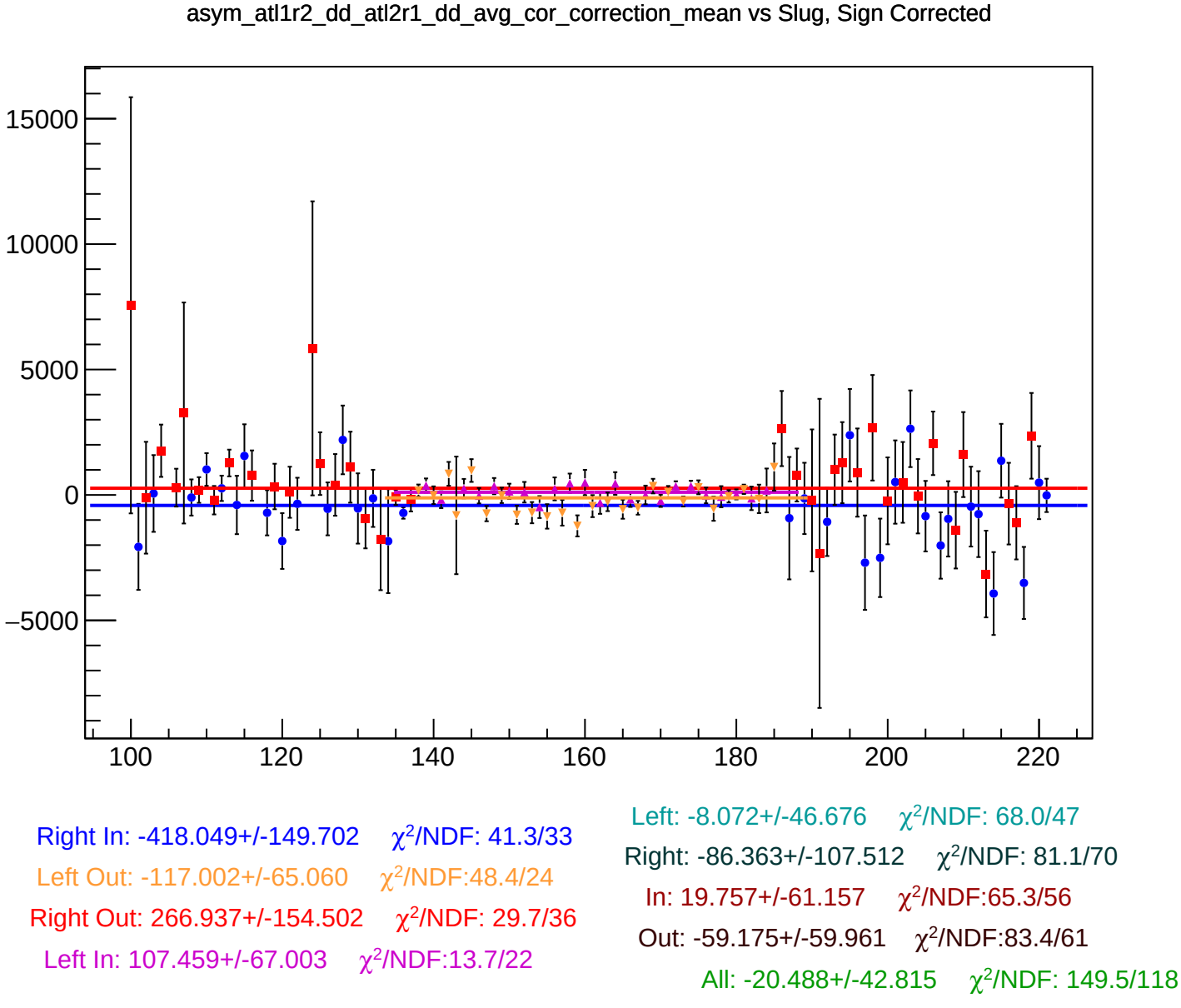
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.958+/-0.139 χ^2/NDF: 1060124.8/70

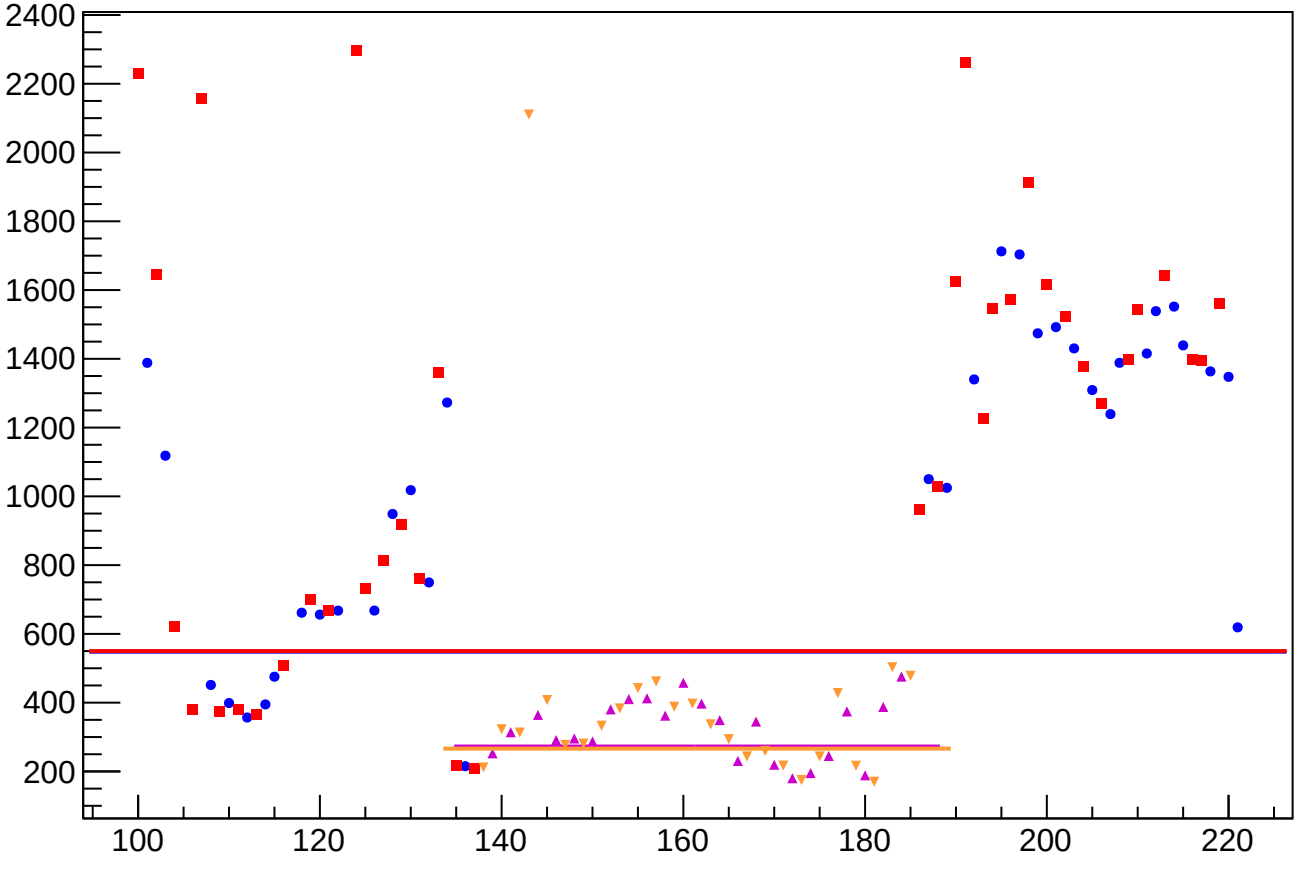
In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.974+/-0.100 χ^2/NDF: 1324913.3/11


asym_atl1r2_dd_atl2r1_dd_avg_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: 266.937+/-154.502 χ²/NDF: 29.7/36
Left In: 107.459+/-67.003 χ²/NDF:13.7/22
Left: -8.072+/-46.676 χ²/NDF: 68.0/47
Right: -86.363+/-107.512 χ²/NDF: 81.1/70
In: 19.757+/-61.157 χ²/NDF:65.3/56
Out: -59.175+/-59.961 χ²/NDF:83.4/61
All: -20.488+/-42.815 χ²/NDF: 149.5/118

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: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

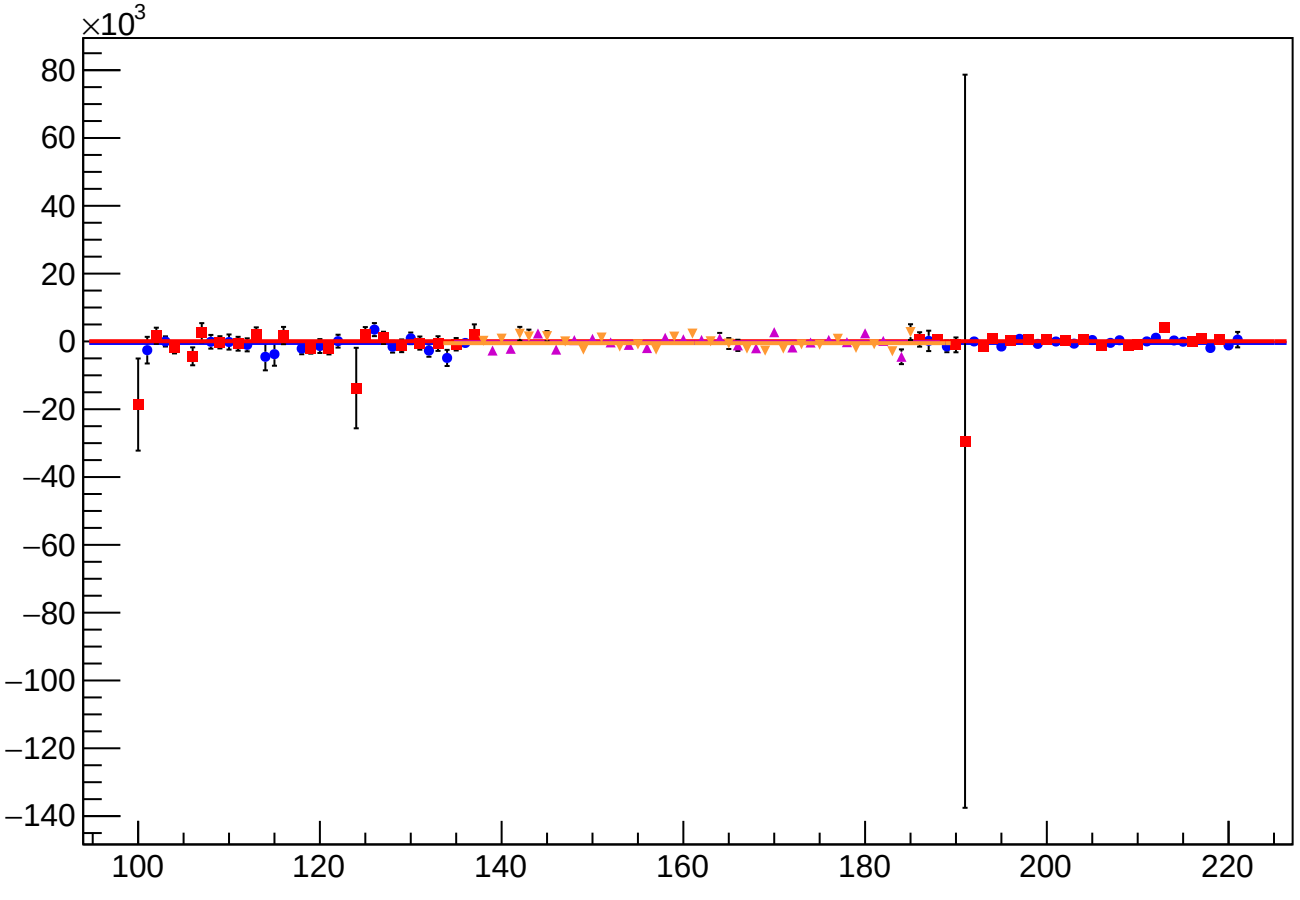
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 549.162+/-0.076 χ^2/NDF: 33131146.4/70

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 313.653+/-0.030 χ^2/NDF: 52063057.8/1



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: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

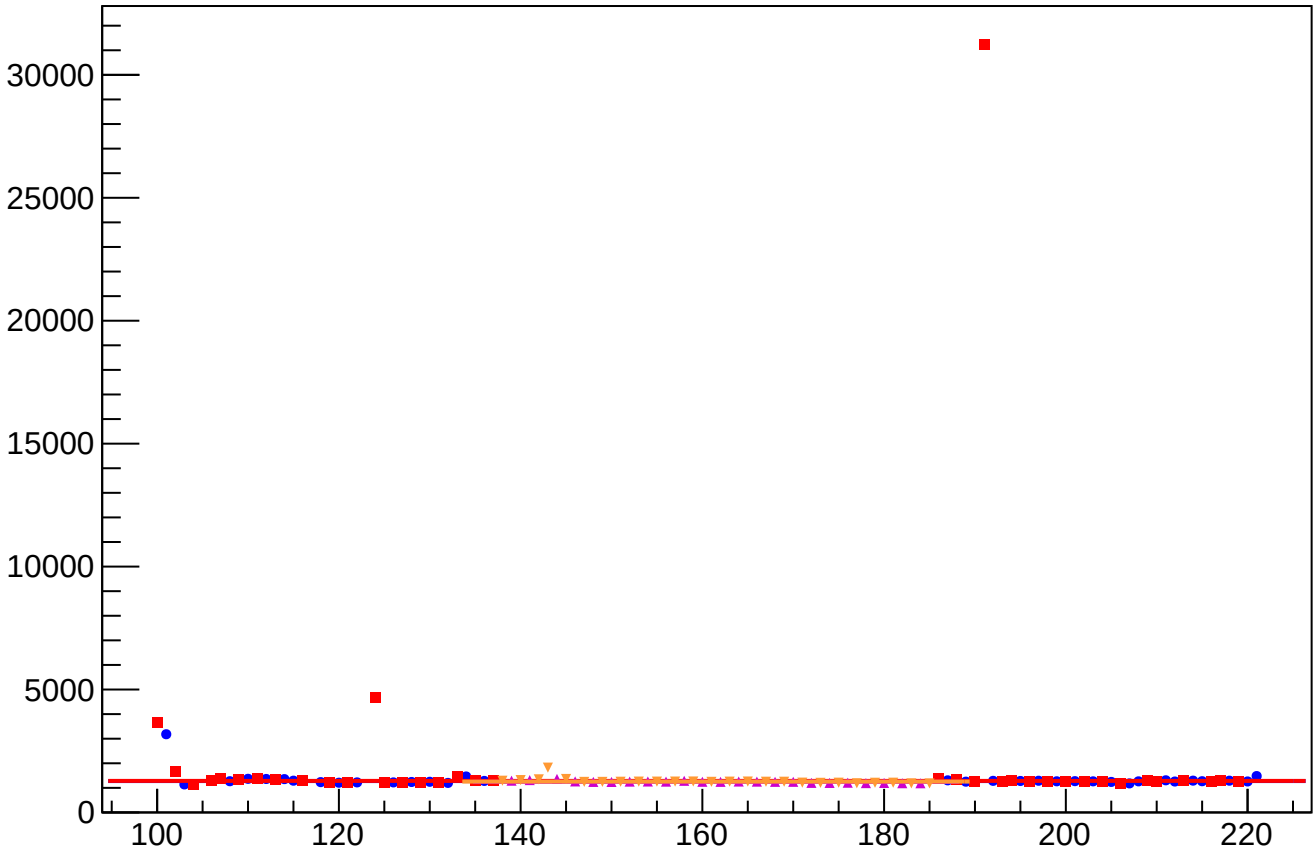
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -195.727+/-197.262 χ^2/NDF: 51.9/70

In: -349.925+/-200.804 χ^2/NDF:52.3/56

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -285.249+/-141.812 χ^2/NDF: 115.7/118



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: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

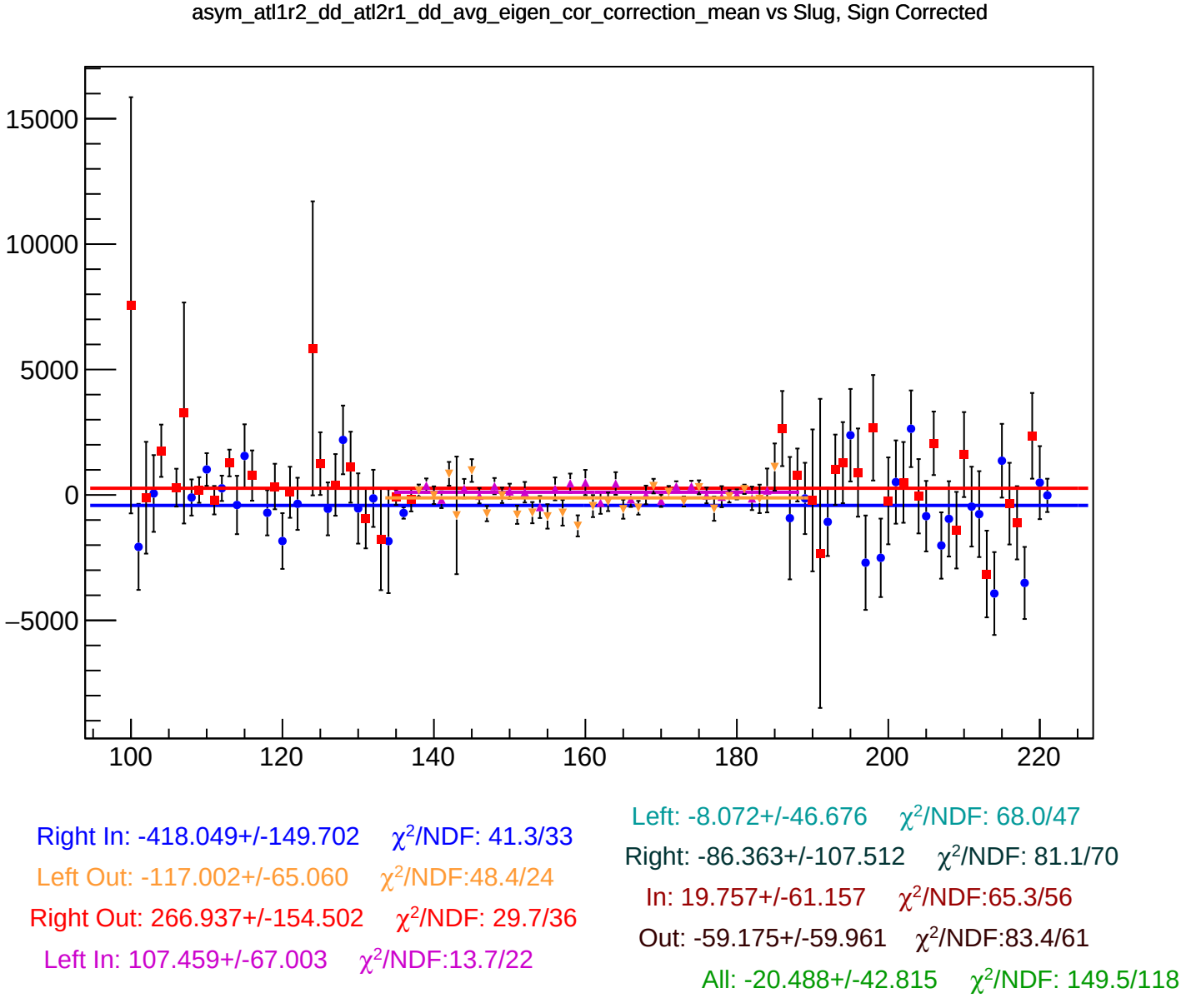
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1279.958+/-0.139 χ^2/NDF: 1060124.8/70

In: 1262.242+/-0.142 χ^2/NDF:602014.2/56

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.974+/-0.100 χ^2/NDF: 1324913.3/11


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: 266.937+/-154.502 χ²/NDF: 29.7/36
Left In: 107.459+/-67.003 χ²/NDF:13.7/22
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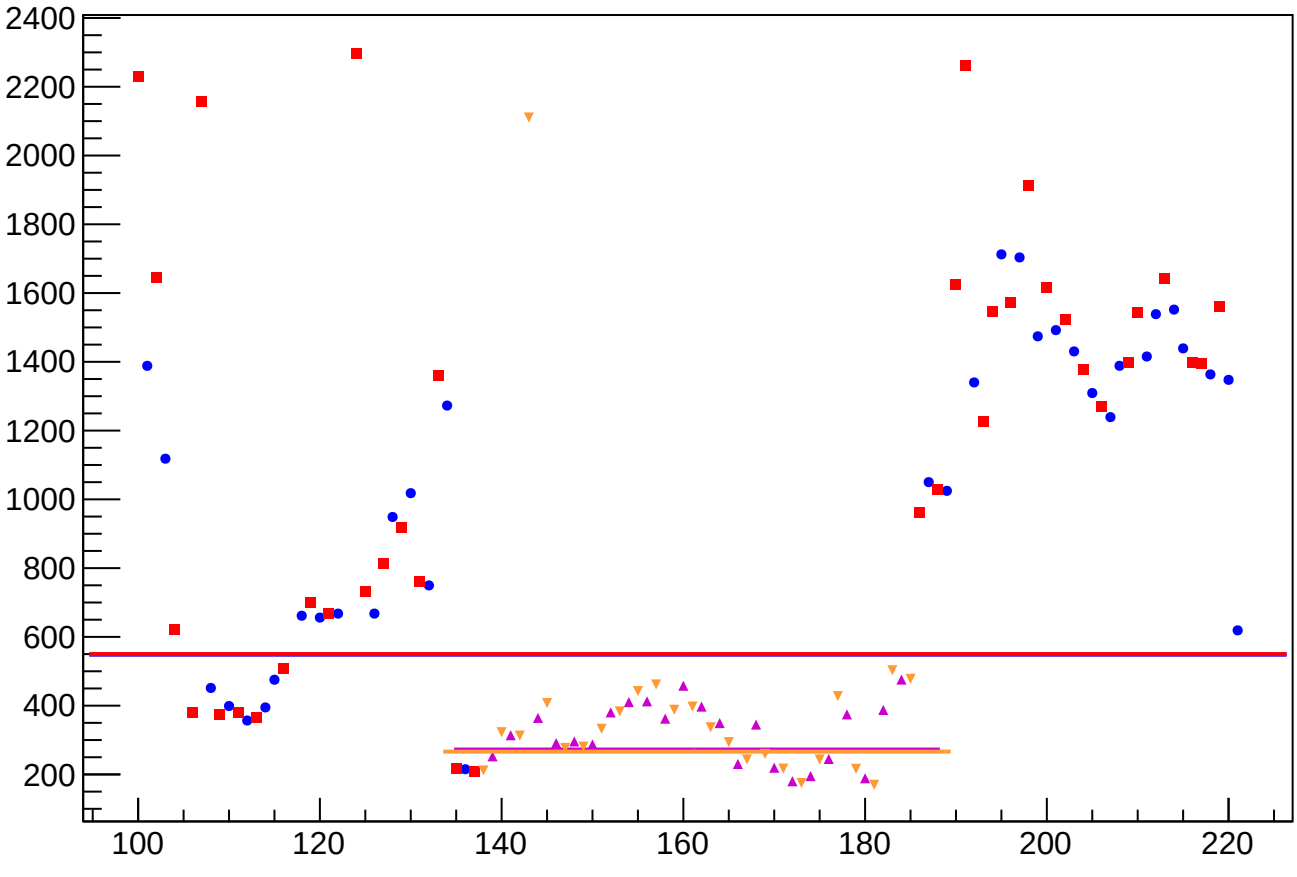
Right: -86.363+/-107.512 χ²/NDF: 81.1/70
In: 19.757+/-61.157 χ²/NDF:65.3/56
Out: -59.175+/-59.961 χ²/NDF:83.4/61
All: -20.488+/-42.815 χ²/NDF: 149.5/118

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: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

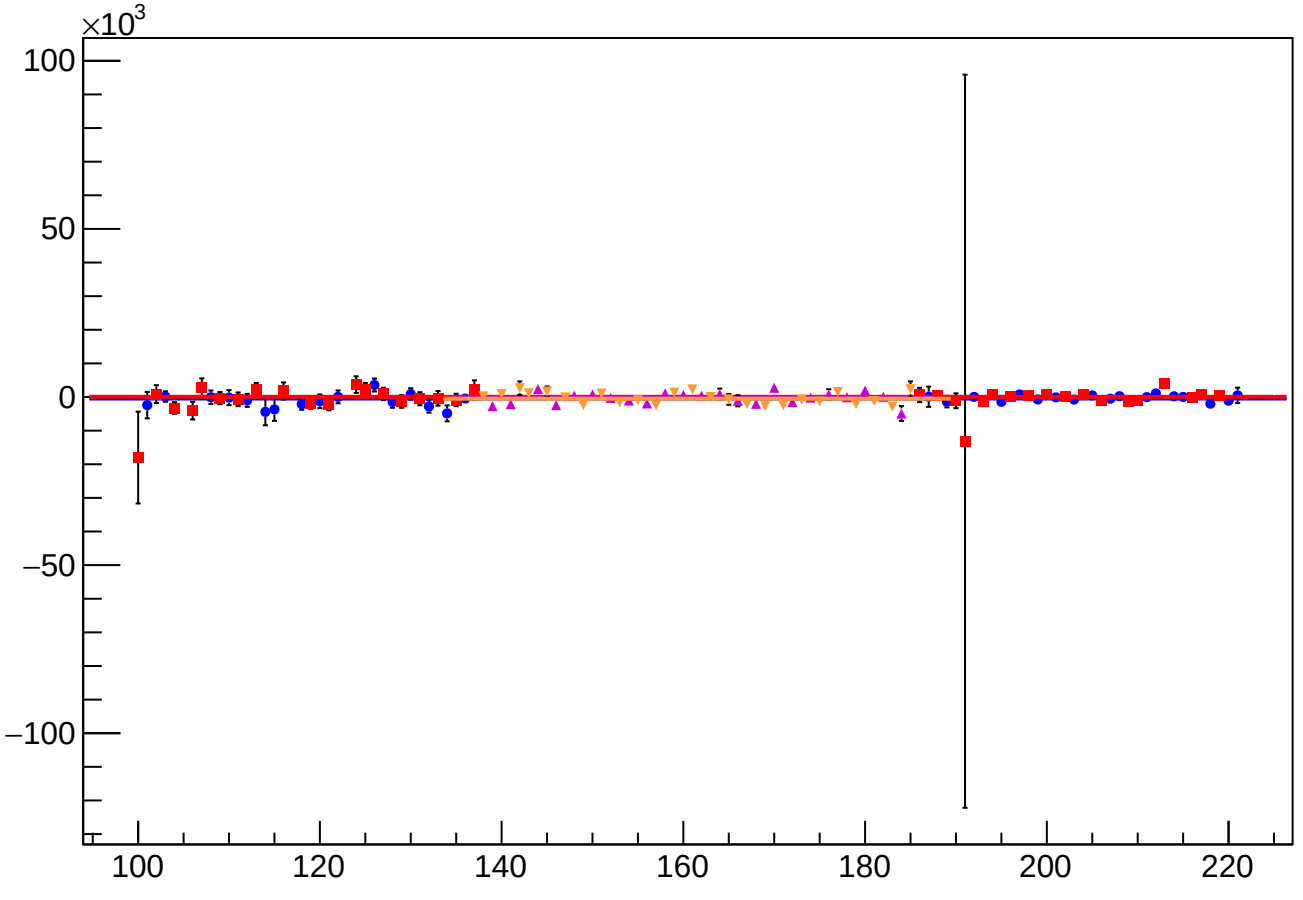
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 549.162+/-0.076 χ^2/NDF: 33131146.4/70

In: 318.434+/-0.043 χ^2/NDF:25132406.0/56

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 313.653+/-0.030 χ^2/NDF: 52063057.8/1



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: 62.295+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

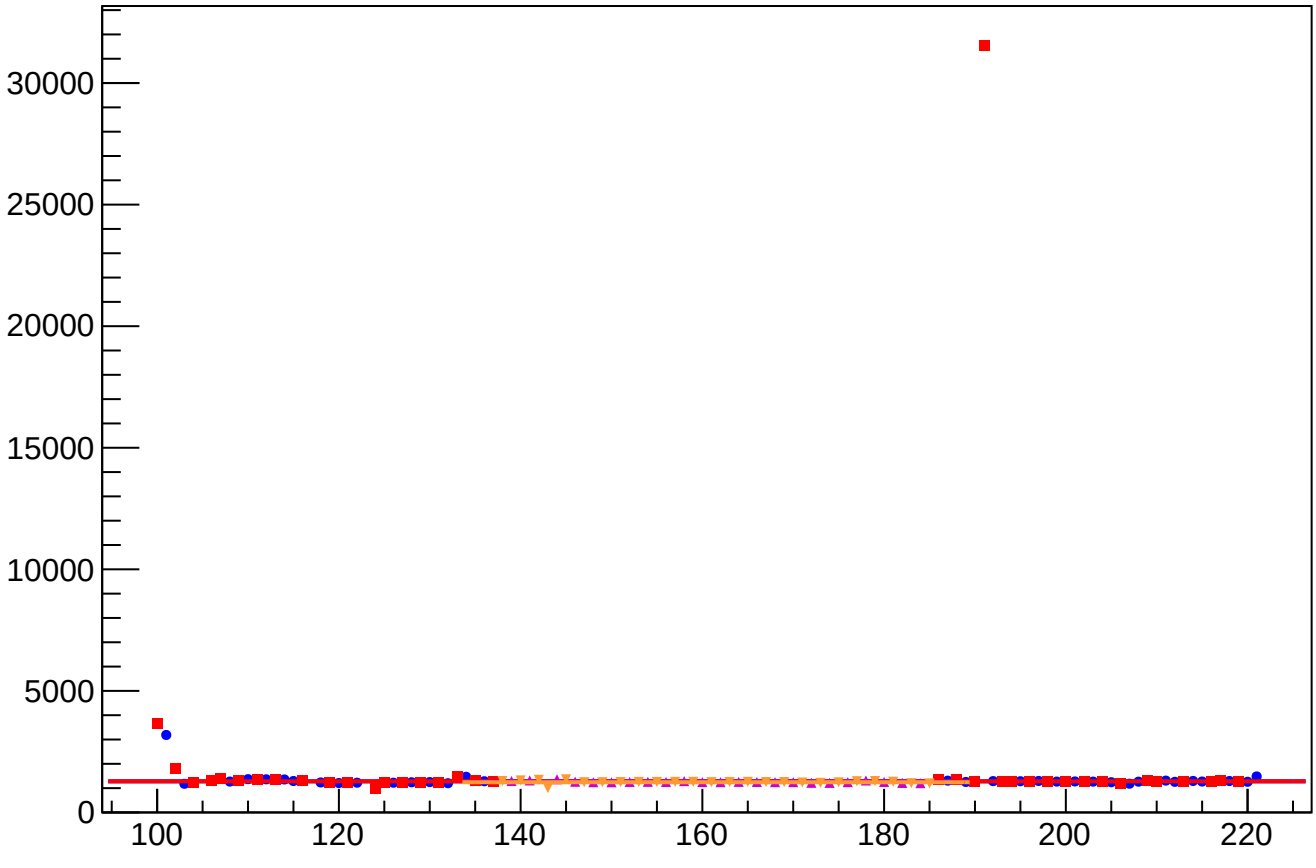
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -190.883+/-197.365 χ^2/NDF: 53.8/70

In: -346.637+/-202.100 χ^2/NDF:50.9/56

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -278.866+/-141.813 χ^2/NDF: 119.5/118



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: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

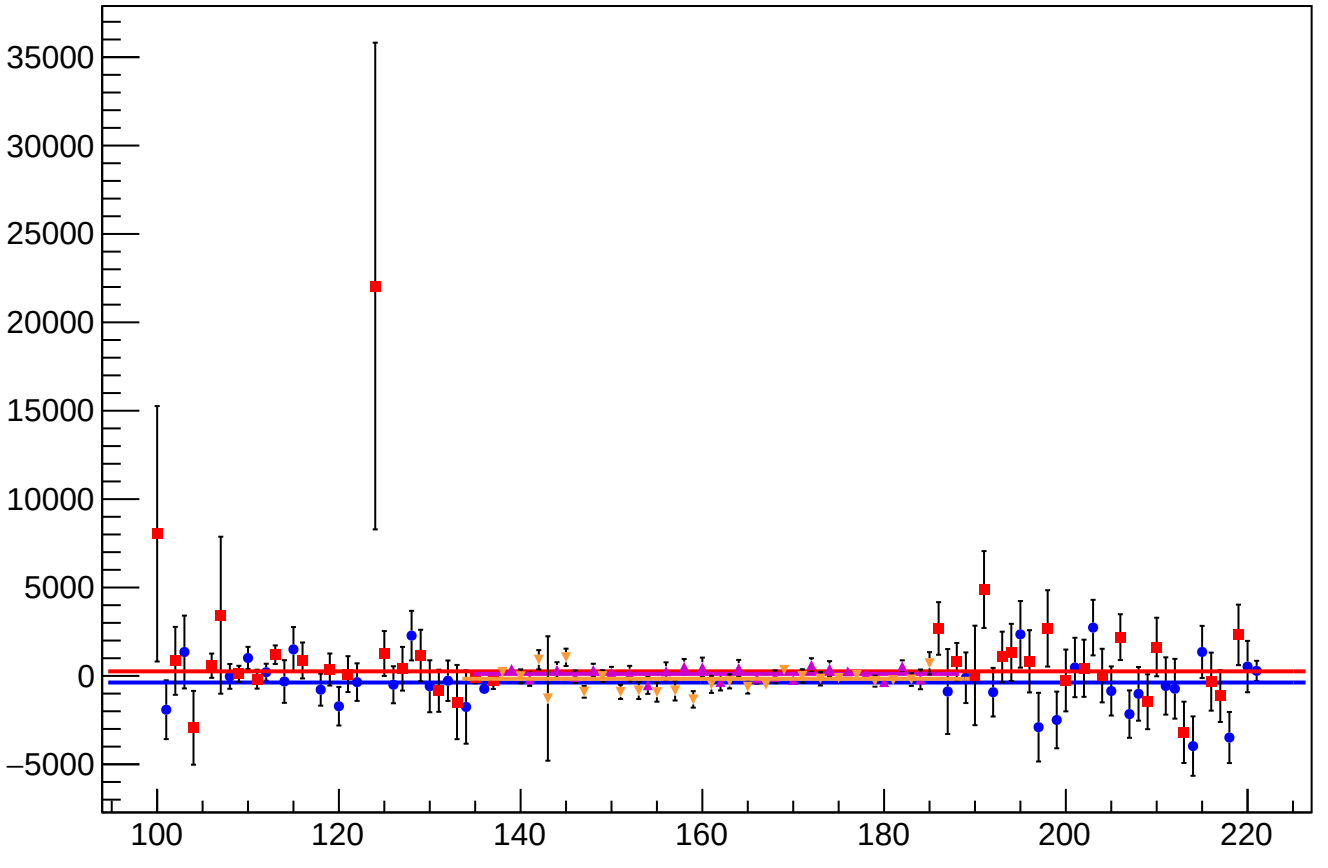
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1280.694+/-0.140 χ^2/NDF: 932083.3/70

In: 1270.550+/-0.143 χ^2/NDF:575695.4/56

Out: 1262.203+/-0.141 χ^2/NDF:538263.1/61

All: 1266.313+/-0.100 χ^2/NDF: 1115690.5/11



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: 257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

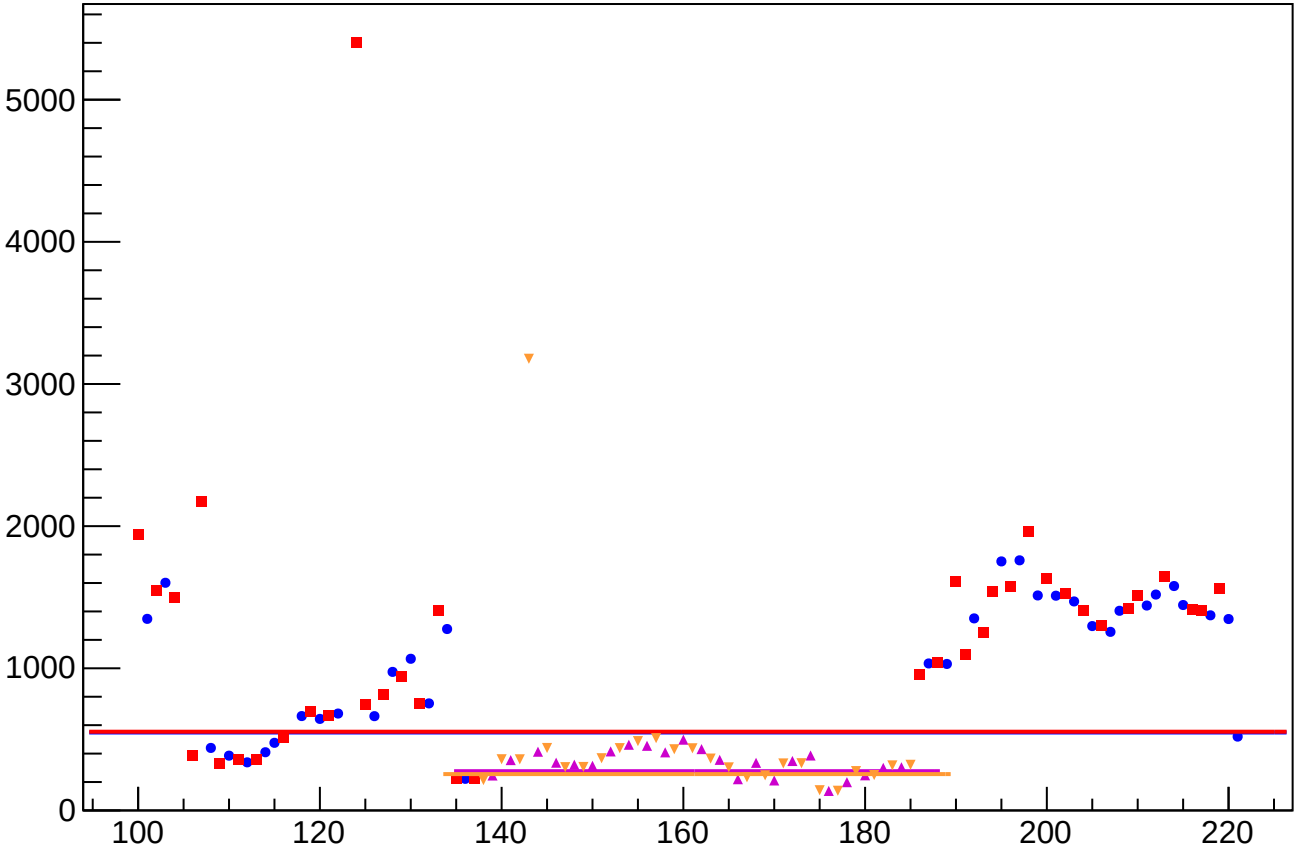
Right: -67.979+/-107.559 χ^2/NDF: 87.9/70

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -99.445+/-59.237 χ^2/NDF:86.5/61

All: -38.858+/-43.010 χ^2/NDF: 158.5/118

asym_atl1r2_dd_atl2r1_dd_avg_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: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

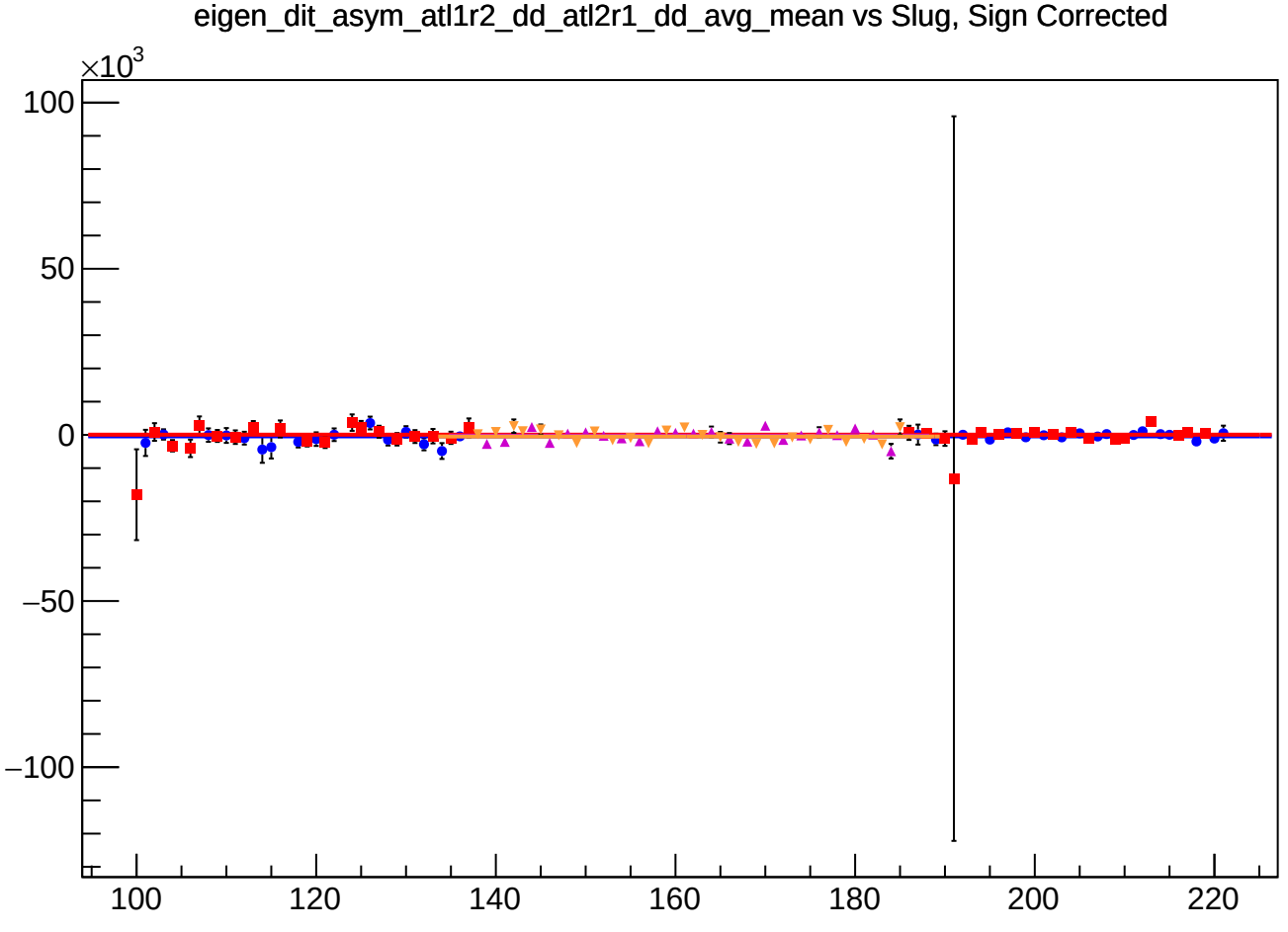
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 551.117+/-0.076 χ^2/NDF: 33748160.1/70

In: 323.777+/-0.044 χ^2/NDF:26170465.3/56

Out: 299.554+/-0.042 χ^2/NDF:29779900.1/61

All: 311.008+/-0.030 χ^2/NDF: 56108493.8/11



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: 62.294+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

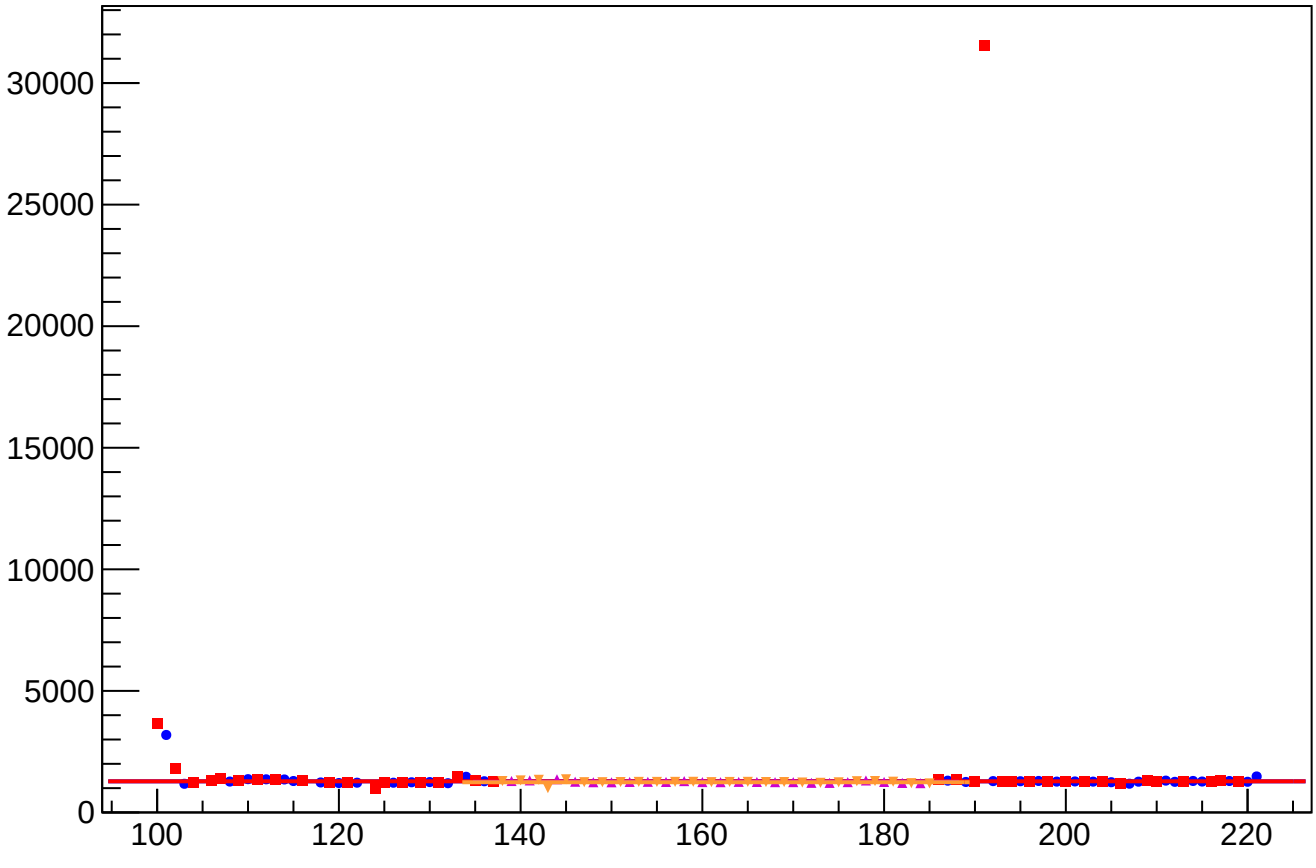
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -190.882+/-197.365 χ^2/NDF: 53.8/70

In: -346.635+/-202.100 χ^2/NDF:50.9/56

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -278.865+/-141.813 χ^2/NDF: 119.5/118



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: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

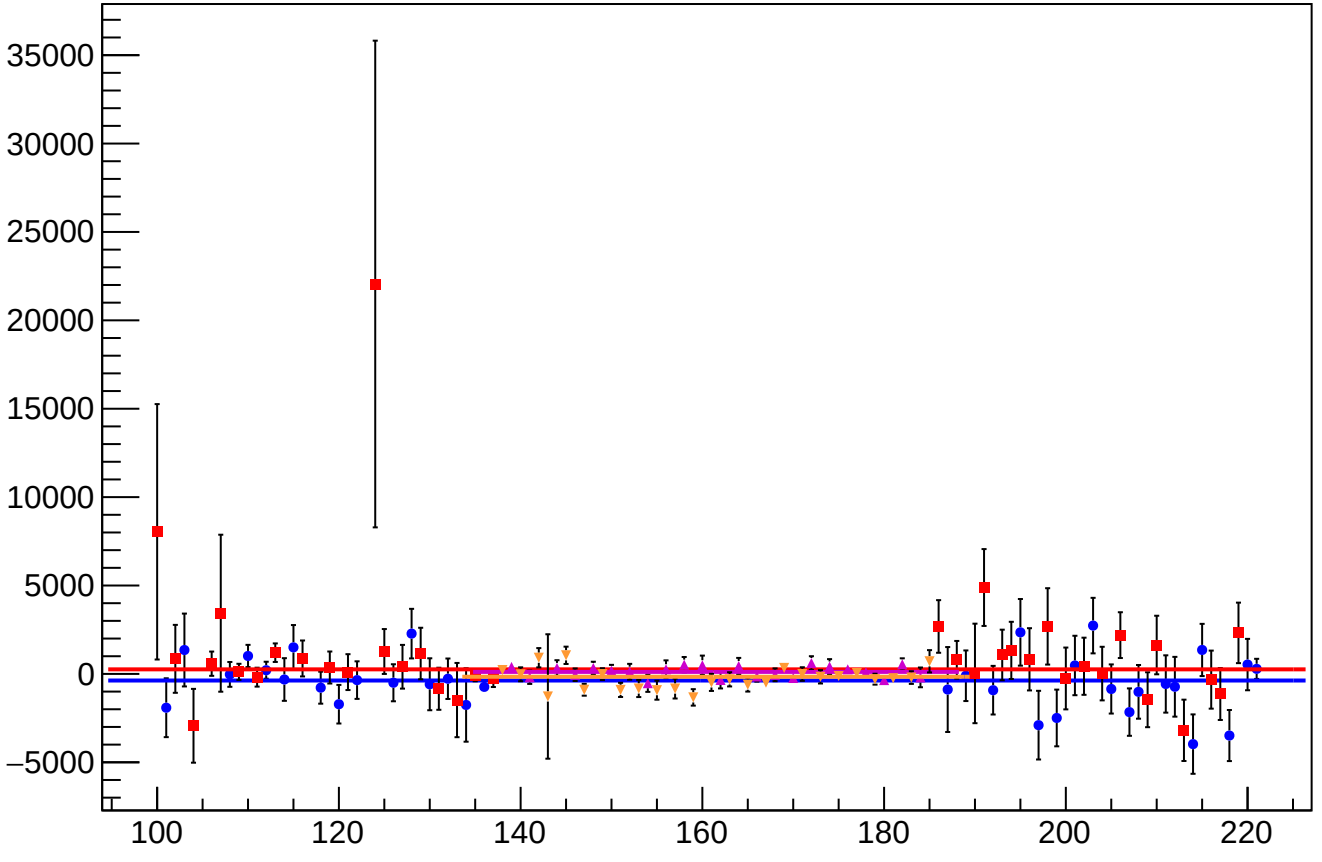
Right: 1280.694+/-0.140 χ^2/NDF: 932083.6/70

In: 1270.550+/-0.143 χ^2/NDF:575695.5/56

Out: 1262.203+/-0.141 χ^2/NDF:538262.5/61

All: 1266.313+/-0.100 χ^2/NDF: 1115690.0/11

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: 257.793+/-154.588 χ^2/NDF: 36.5/36

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

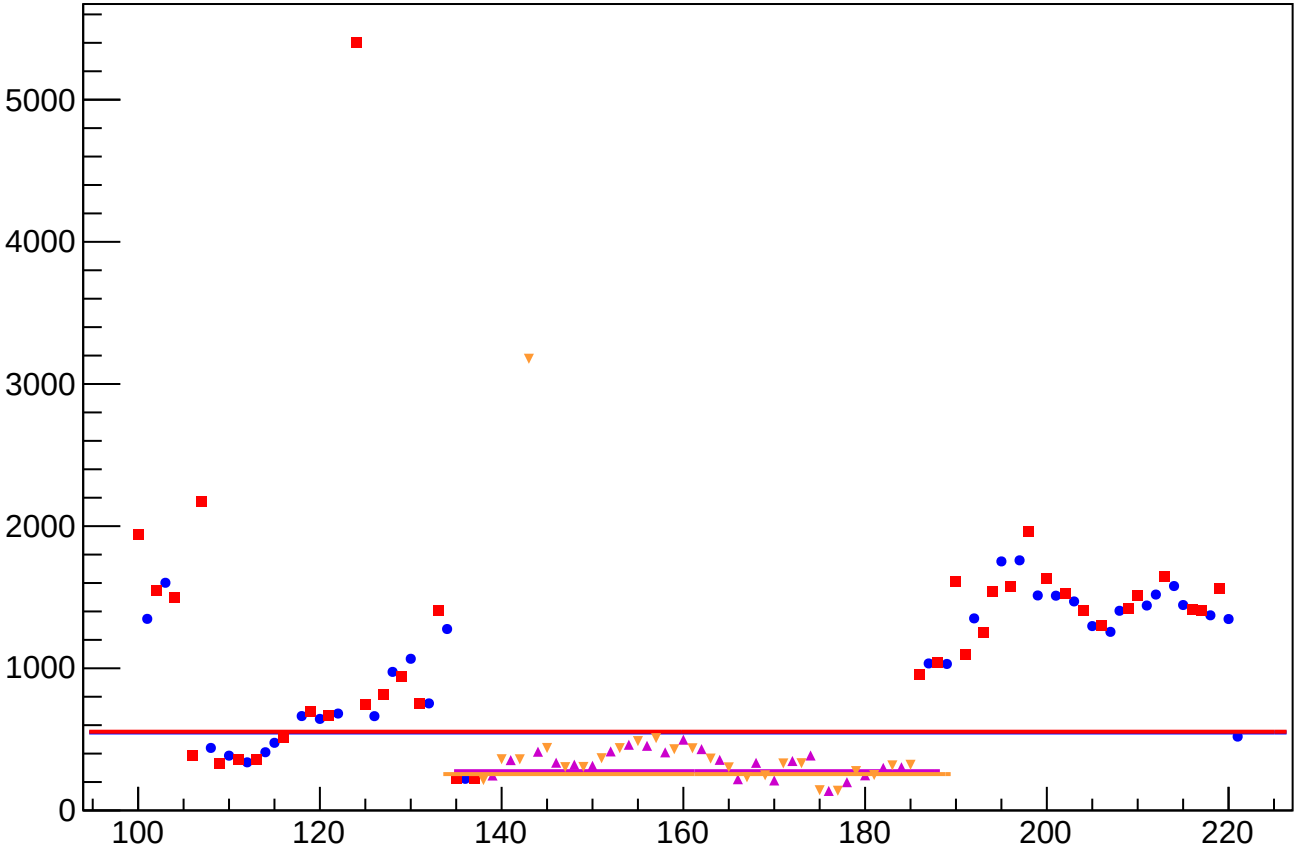
Right: -67.975+/-107.560 χ^2/NDF: 87.9/70

In: 28.691+/-62.548 χ^2/NDF:69.8/56

Out: -99.448+/-59.237 χ^2/NDF:86.5/61

All: -38.860+/-43.010 χ^2/NDF: 158.5/118

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: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

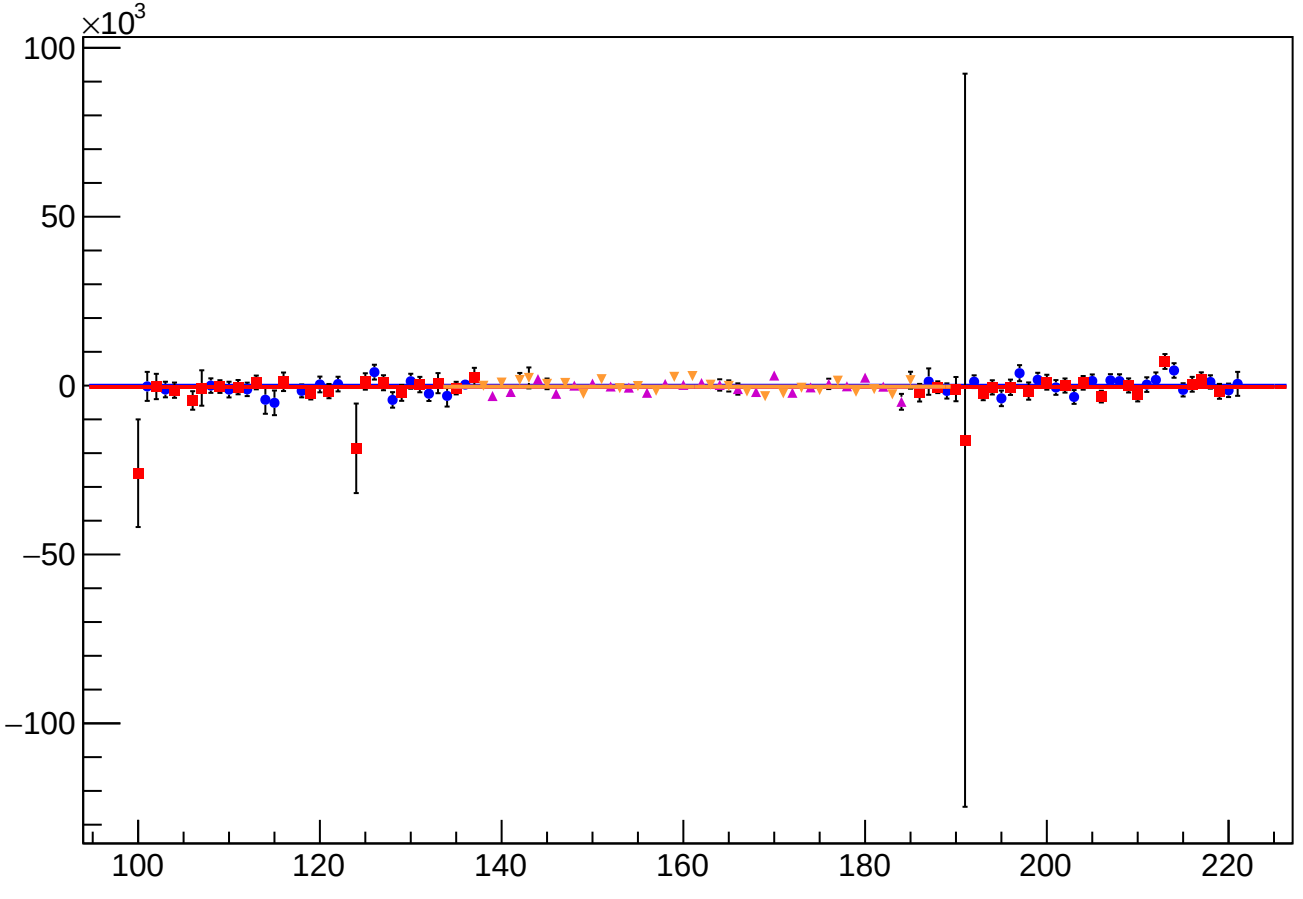
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 551.129+/-0.076 χ^2/NDF: 33747303.1/70

In: 323.779+/-0.044 χ^2/NDF:26170289.7/56

Out: 299.556+/-0.042 χ^2/NDF:29779689.8/61

All: 311.010+/-0.030 χ^2/NDF: 56108101.0/11



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: -416.568+/-383.461 χ^2/NDF: 31.1/36

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

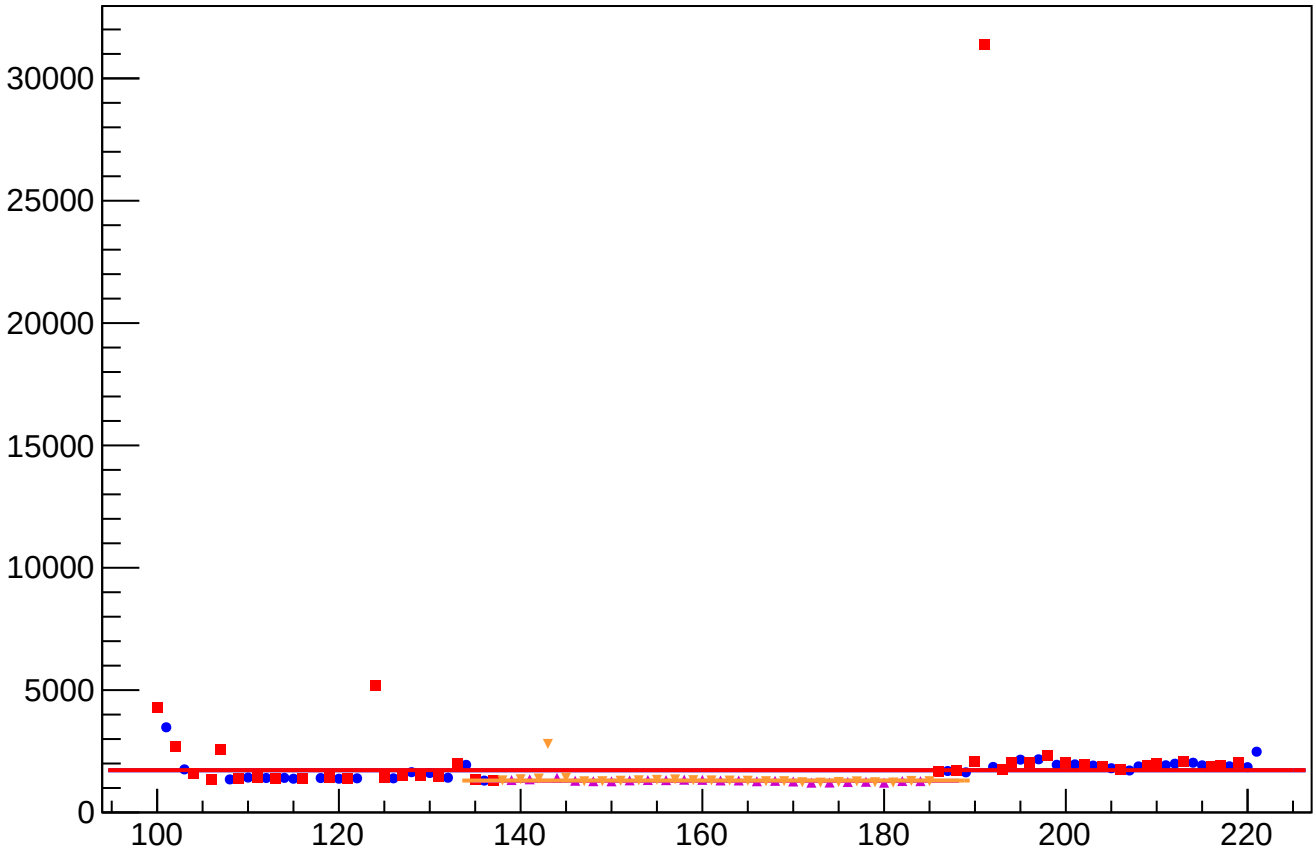
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -229.418+/-269.056 χ^2/NDF: 62.6/70

In: -236.106+/-235.803 χ^2/NDF:61.1/56

Out: -356.243+/-235.434 χ^2/NDF:62.7/61

All: -296.268+/-166.607 χ^2/NDF: 123.9/118



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: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

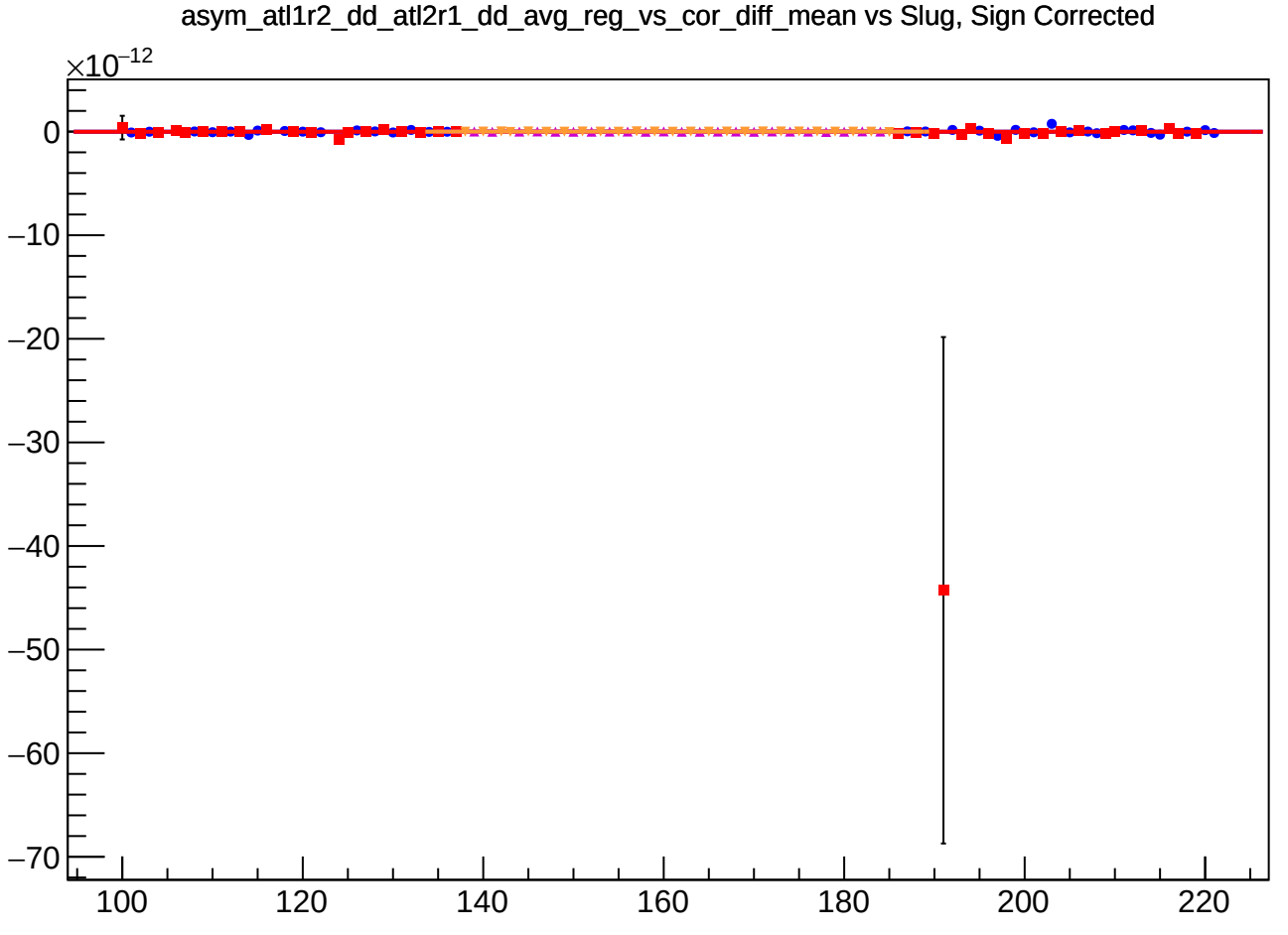
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1725.794+/-0.190 χ^2/NDF: 2974241.9/70

In: 1459.811+/-0.167 χ^2/NDF:3030274.5/56

Out: 1464.514+/-0.166 χ^2/NDF:3627392.5/61

All: 1462.166+/-0.118 χ^2/NDF: 6658065.4/11



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: 44.4/36

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

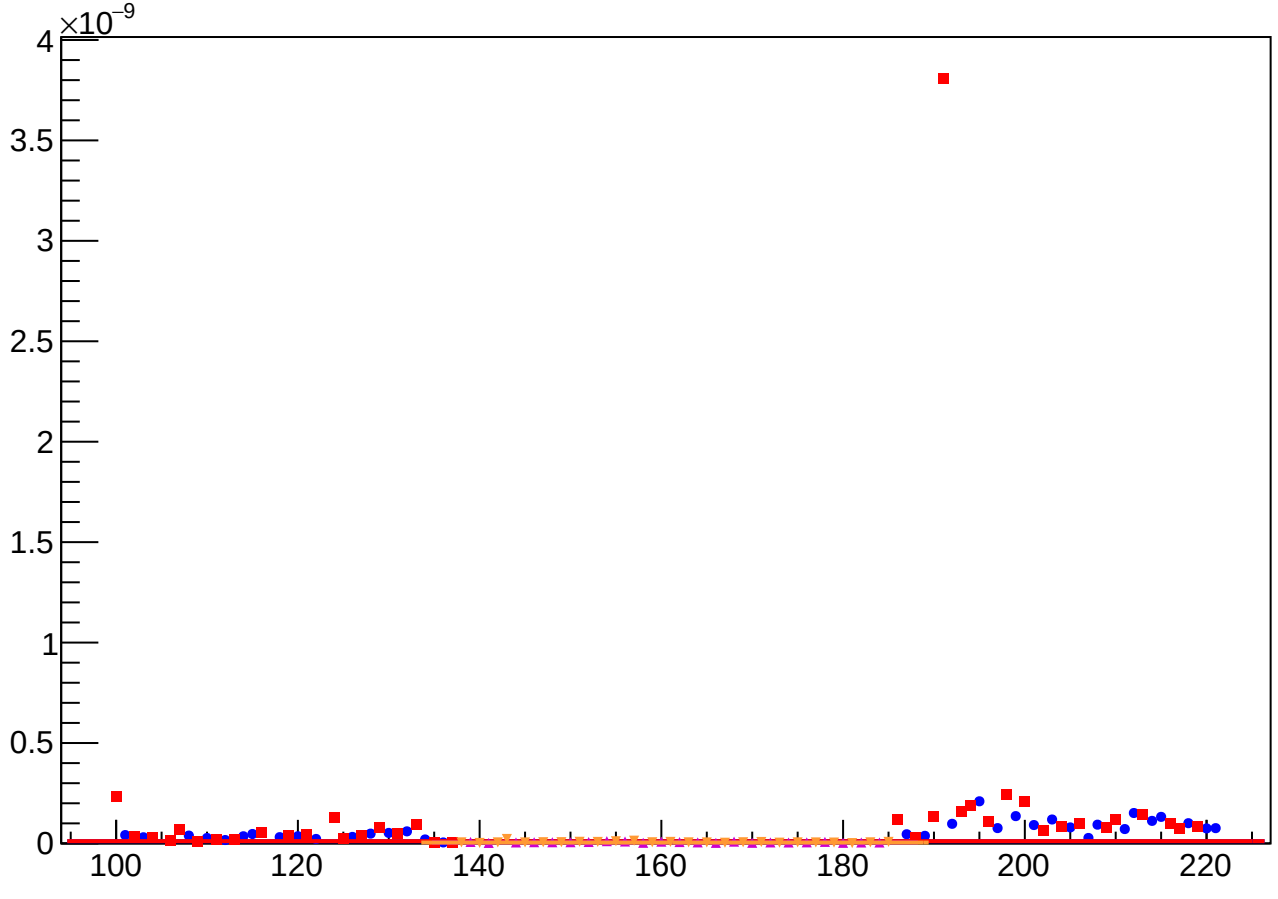
Right: -0.000+/-0.000 χ^2/NDF: 80.6/70

In: -0.000+/-0.000 χ^2/NDF:67.7/56

Out: -0.000+/-0.000 χ^2/NDF:71.7/61

All: -0.000+/-0.000 χ^2/NDF: 139.8/118

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: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

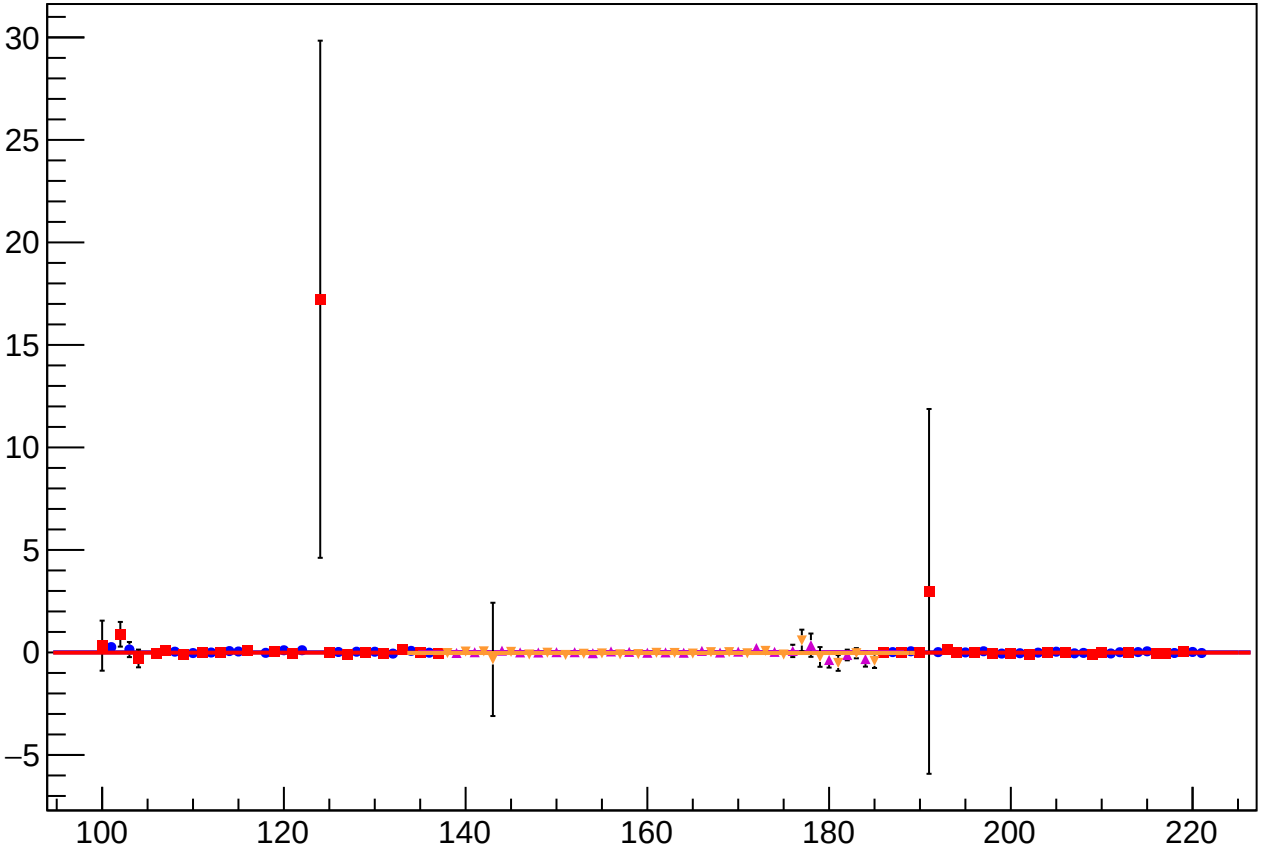
Right: 0.000+/-0.000 χ^2/NDF: 24173720.9/70

In: 0.000+/-0.000 χ^2/NDF:14894856.6/56

Out: 0.000+/-0.000 χ^2/NDF:16800125.4/61

All: 0.000+/-0.000 χ^2/NDF: 31729795.7/118

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: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

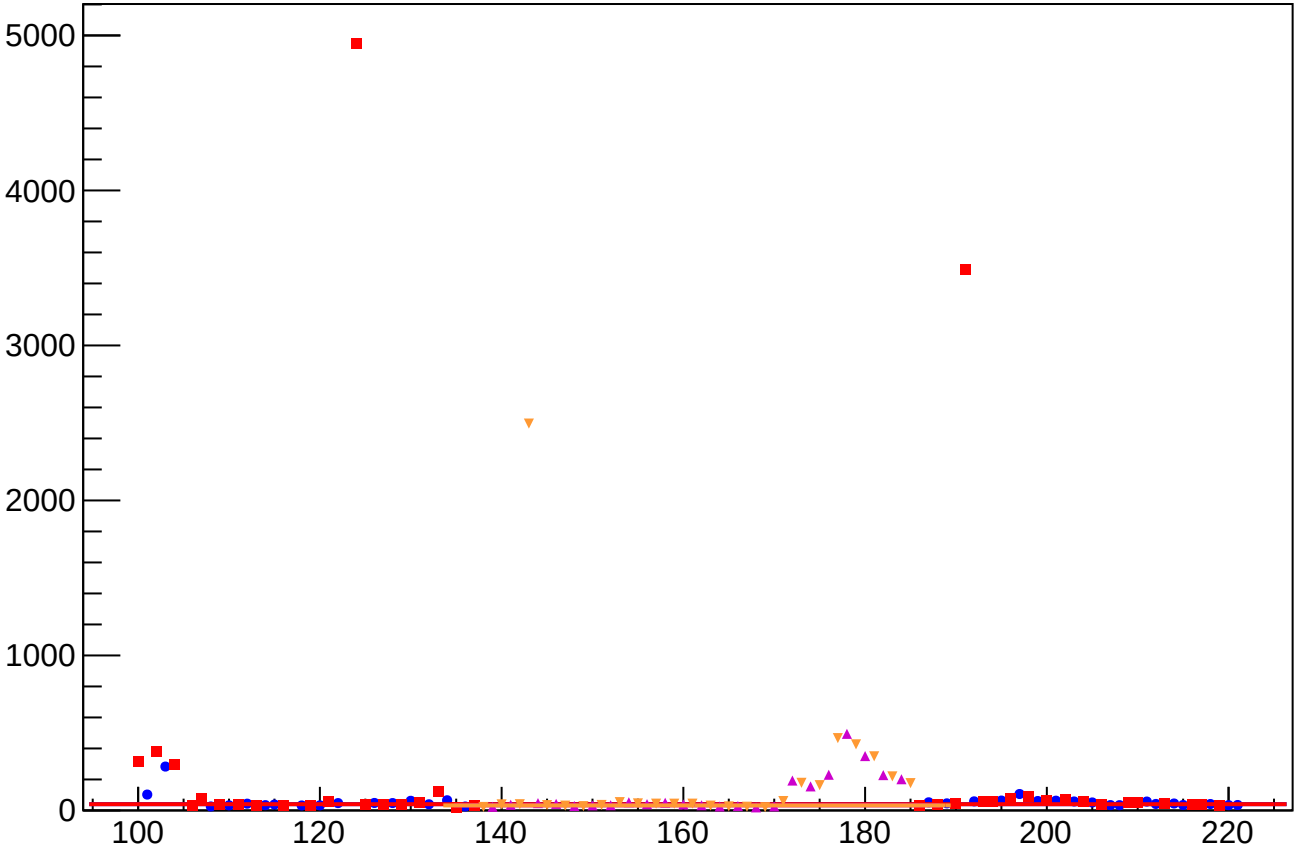
Right: -0.001+/-0.007 χ^2/NDF: 52.1/70

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.2/118

asym_atl1r2_dd_atl2r1_dd_avg_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: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

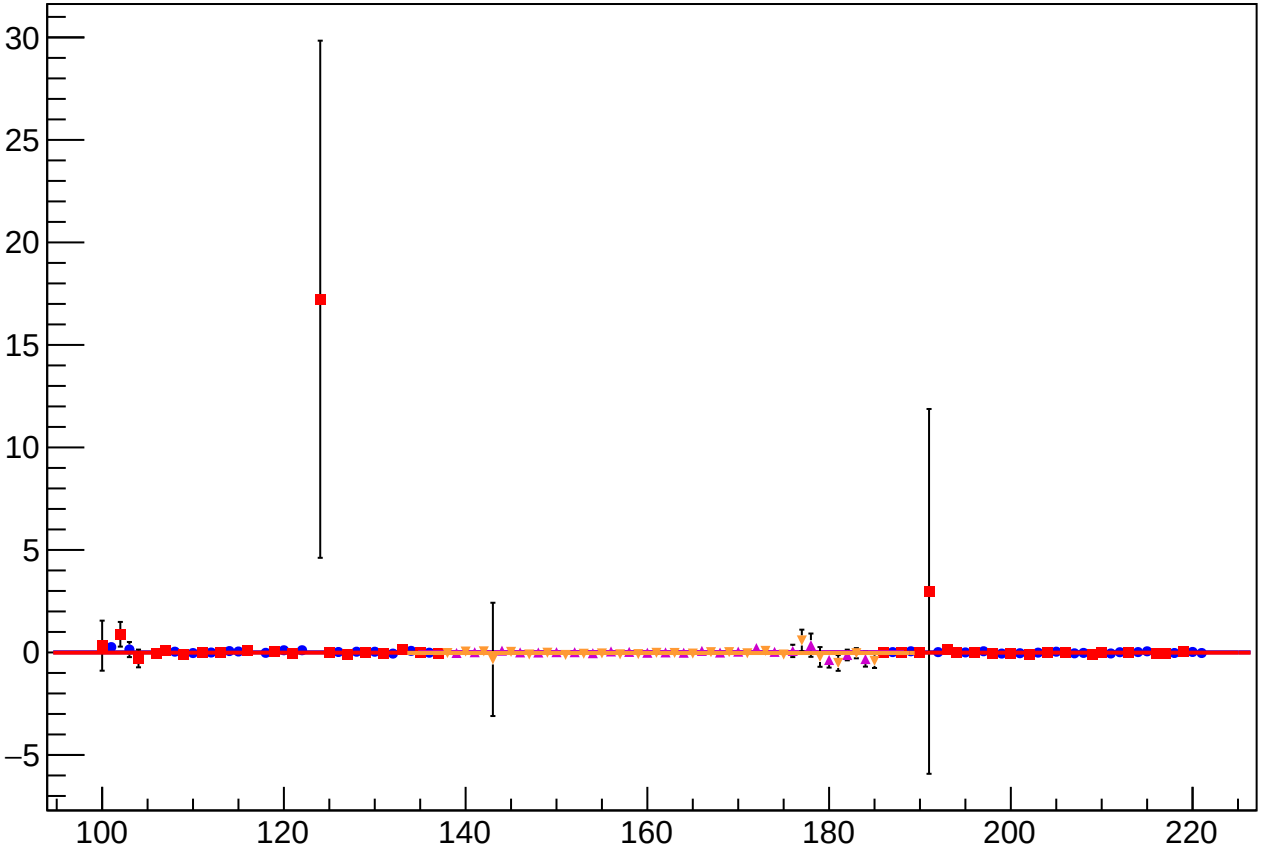
Right: 40.500+/-0.005 χ^2/NDF: 10037214.4/70

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.392+/-0.003 χ^2/NDF: 31175128.3/118

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: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

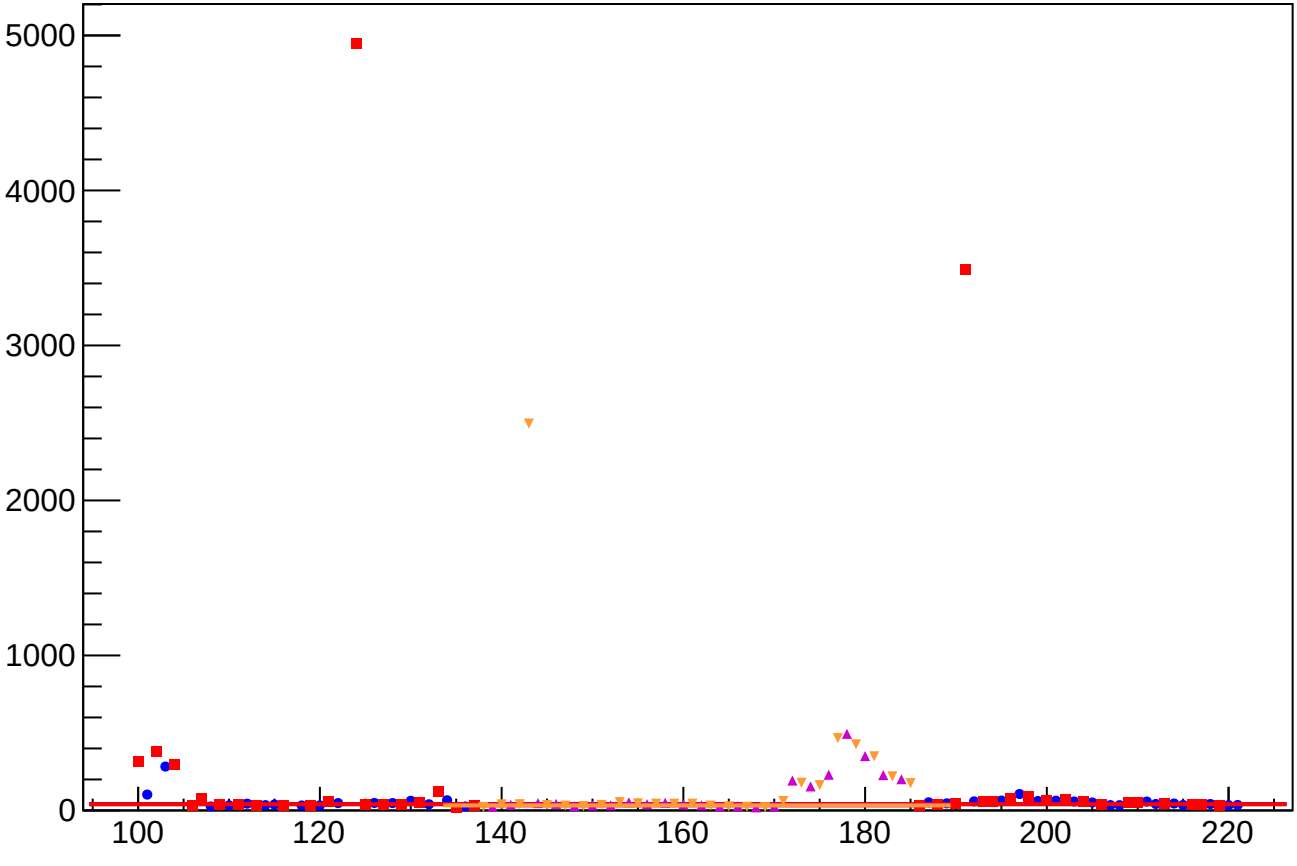
Right: -0.001+/-0.007 χ^2/NDF: 52.1/70

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.2/118

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: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

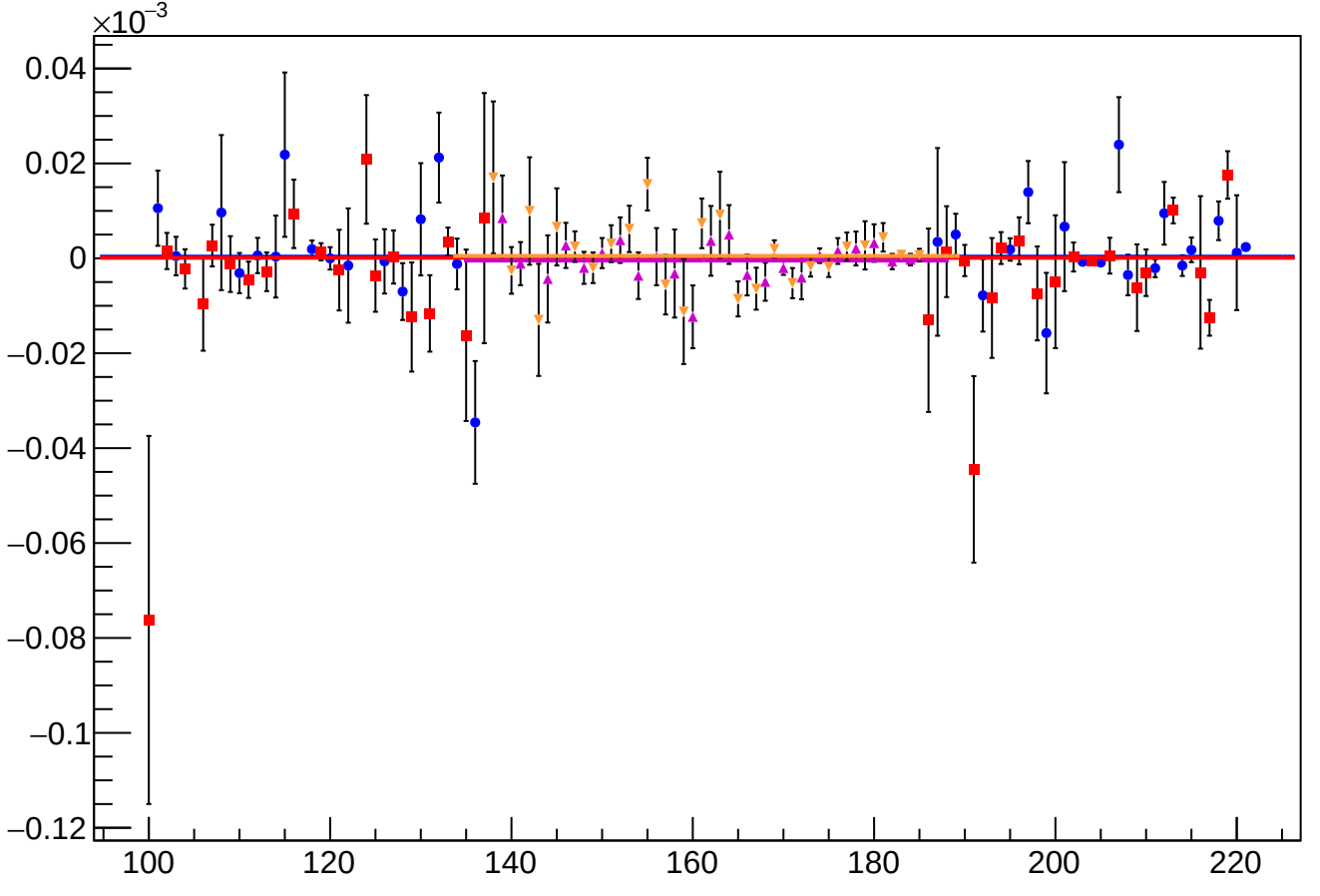
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.500+/-0.005 χ^2/NDF: 10037214.4/70

In: 36.516+/-0.005 χ^2/NDF:14015280.0/56

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.392+/-0.003 χ^2/NDF: 31175128.3/118



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: 64.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

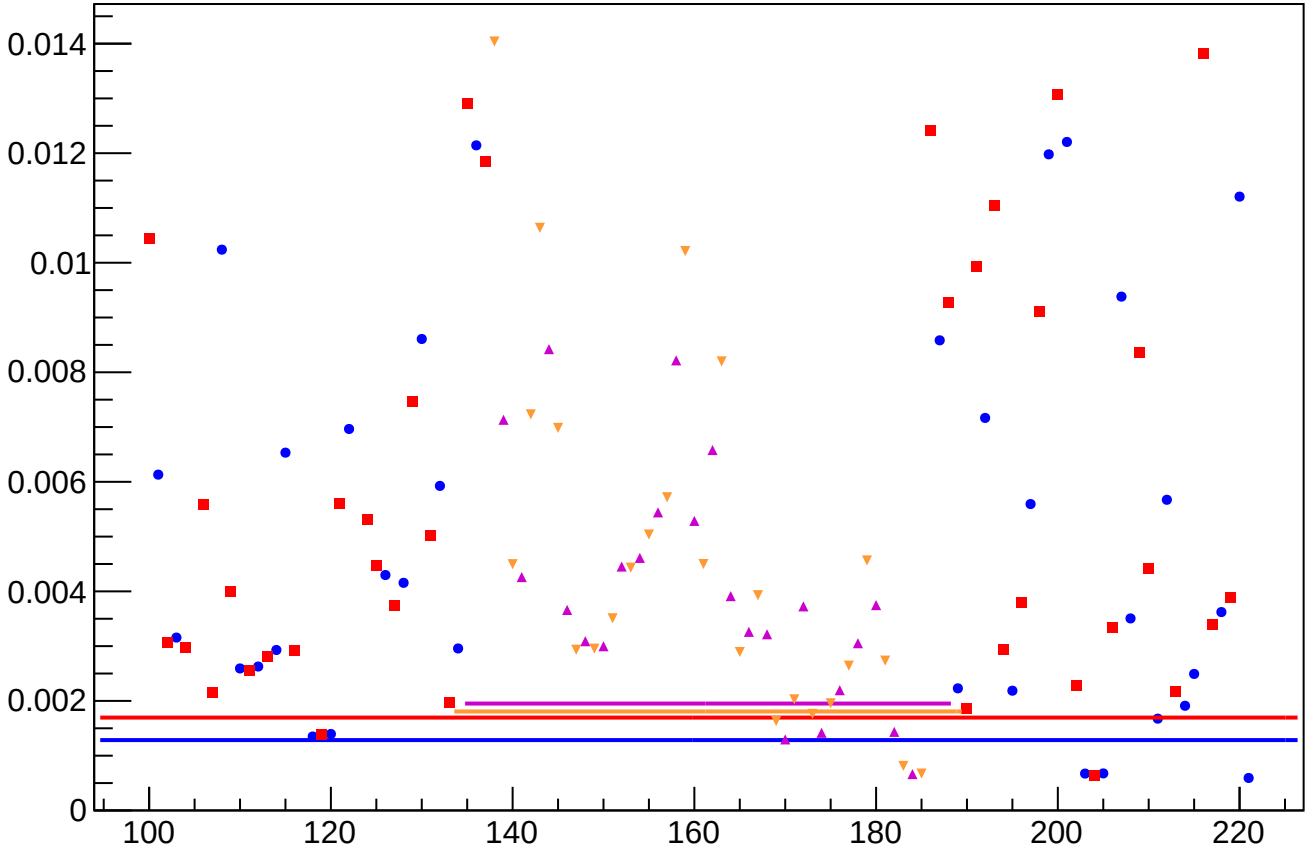
Right: 0.000+/-0.000 χ^2/NDF: 114.9/70

In: 0.000+/-0.000 χ^2/NDF:65.4/56

Out: 0.000+/-0.000 χ^2/NDF:100.3/61

All: 0.000+/-0.000 χ^2/NDF: 165.9/118

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: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

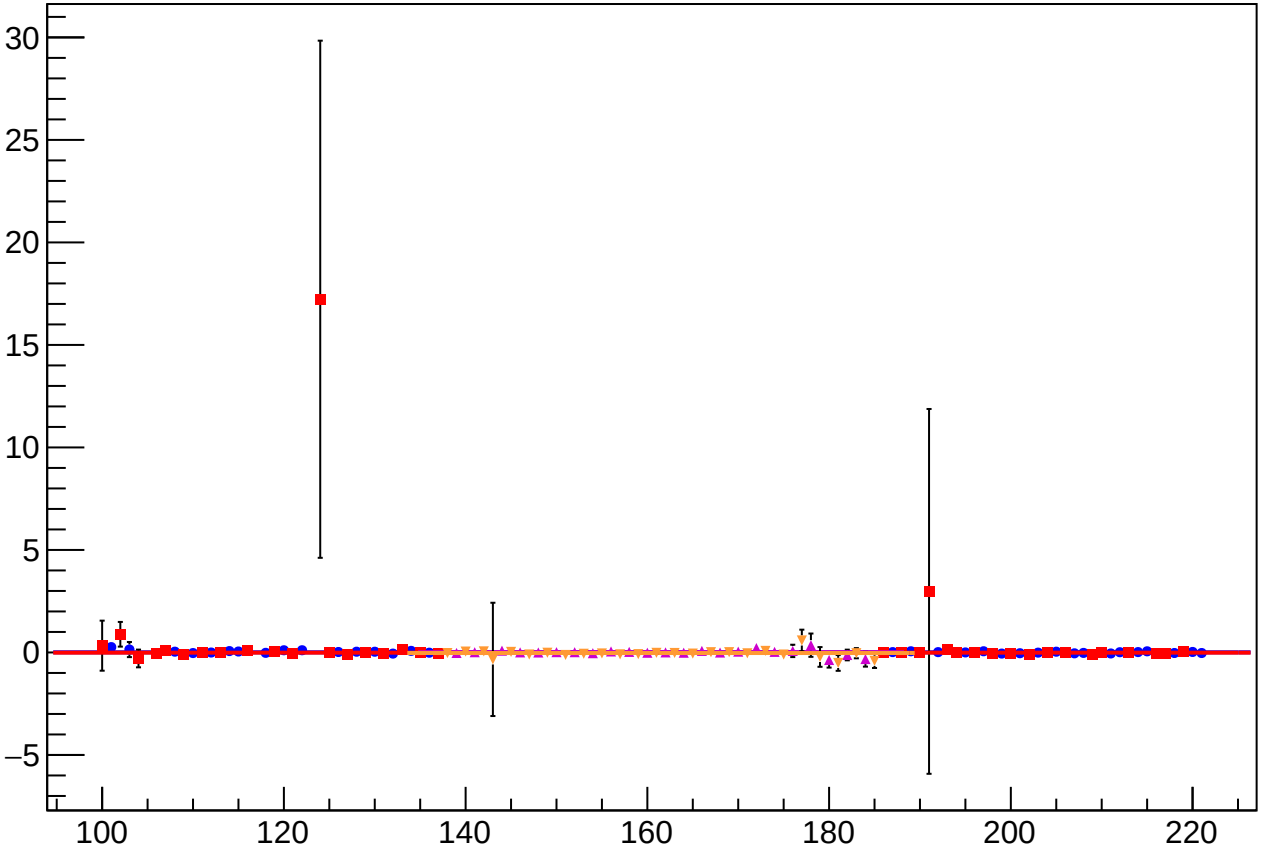
Right: 0.001+/-0.000 χ^2/NDF: 40461944.2/70

In: 0.002+/-0.000 χ^2/NDF:33673137.3/56

Out: 0.002+/-0.000 χ^2/NDF:34225655.4/61

All: 0.002+/-0.000 χ^2/NDF: 68334524.4/118

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: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

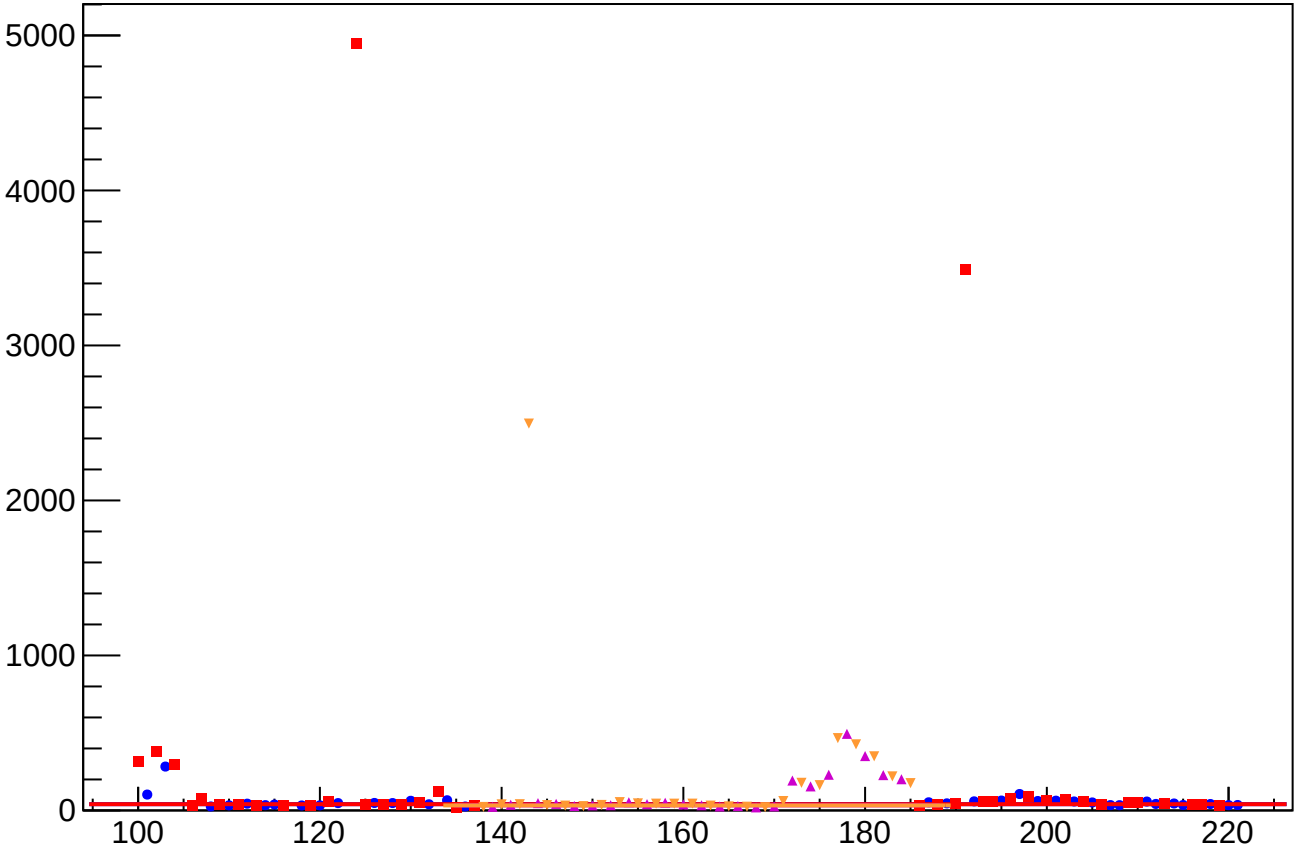
Right: -0.001+/-0.007 χ^2/NDF: 52.1/70

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.2/118

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: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

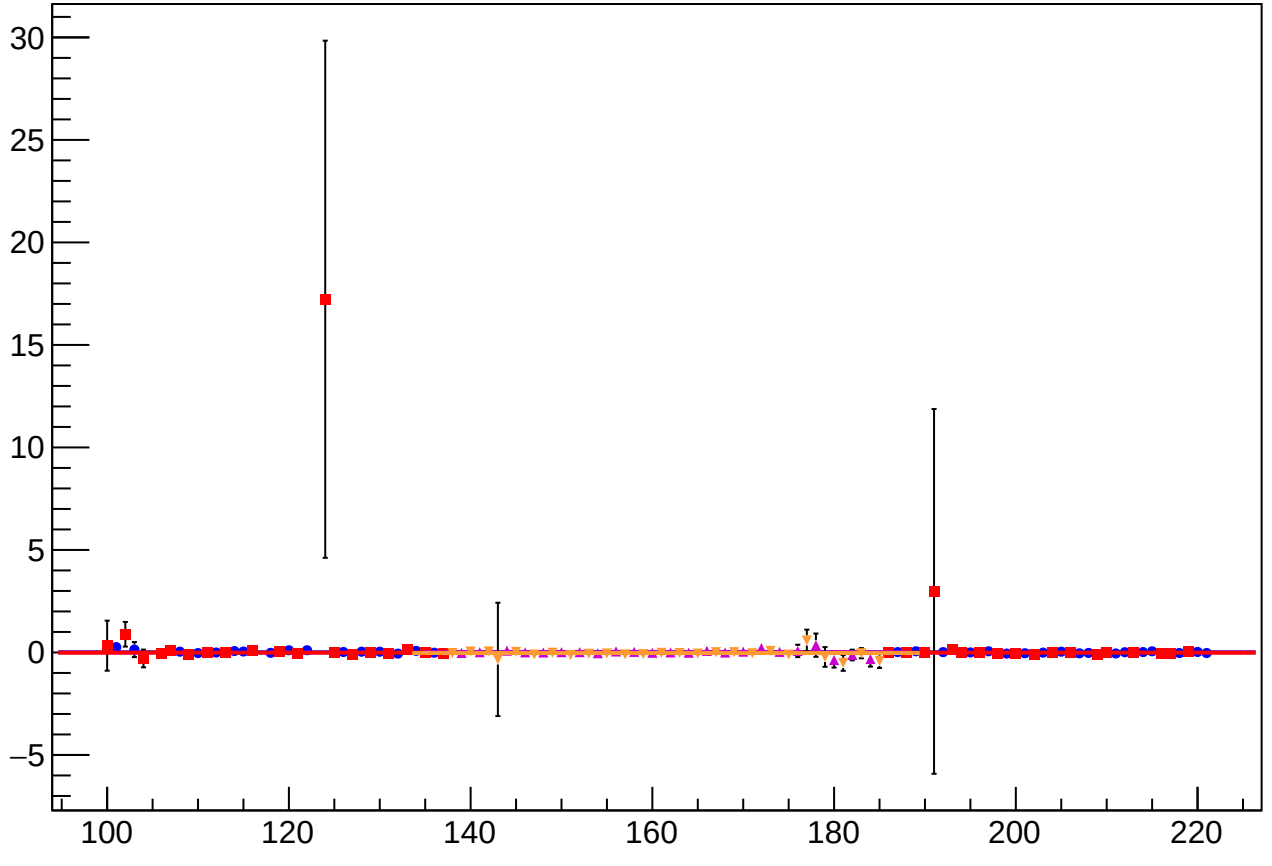
Right: 40.500+/-0.005 χ^2/NDF: 10036587.0/70

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.392+/-0.003 χ^2/NDF: 31175711.8/118

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: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

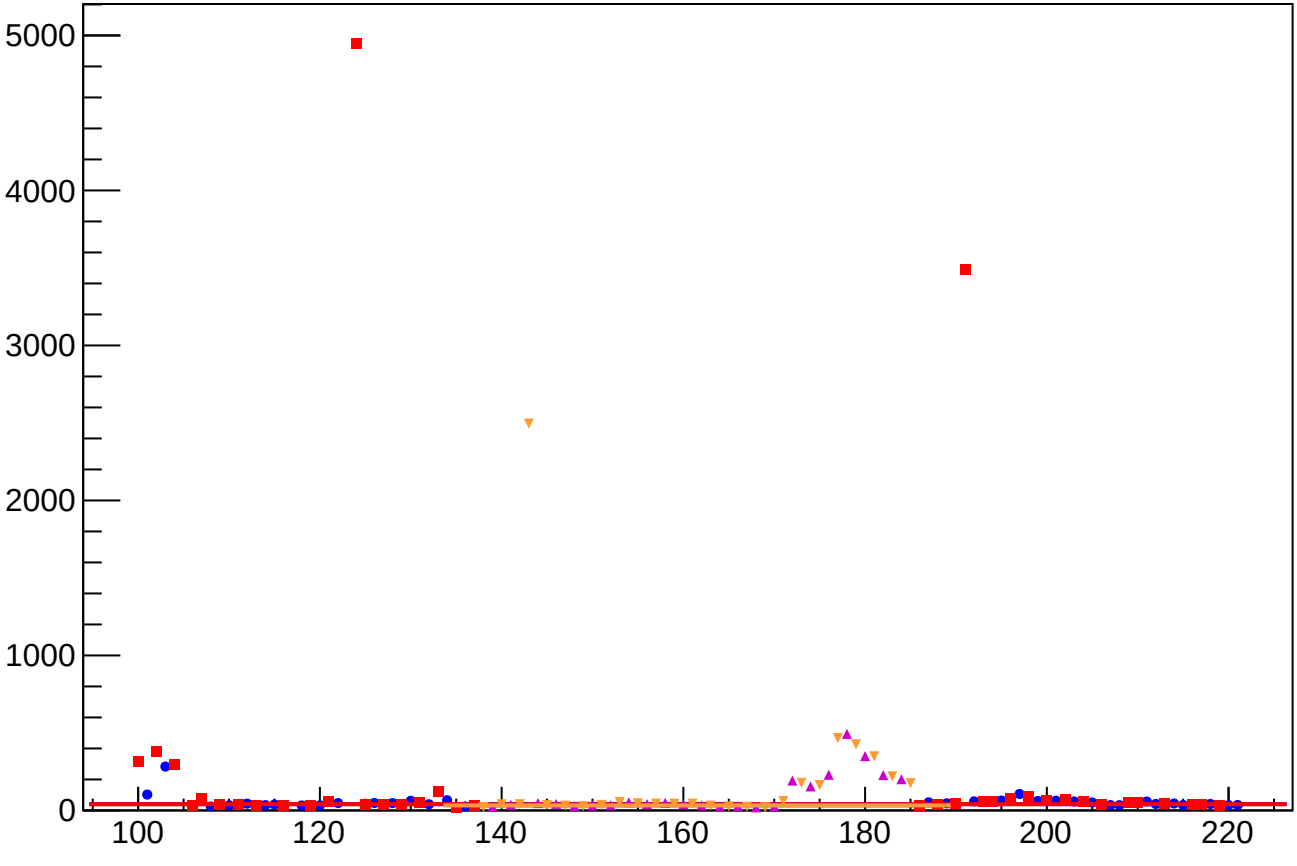
Right: -0.001+/-0.007 χ^2/NDF: 52.1/70

In: 0.009+/-0.007 χ^2/NDF:33.0/56

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.2/118

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: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

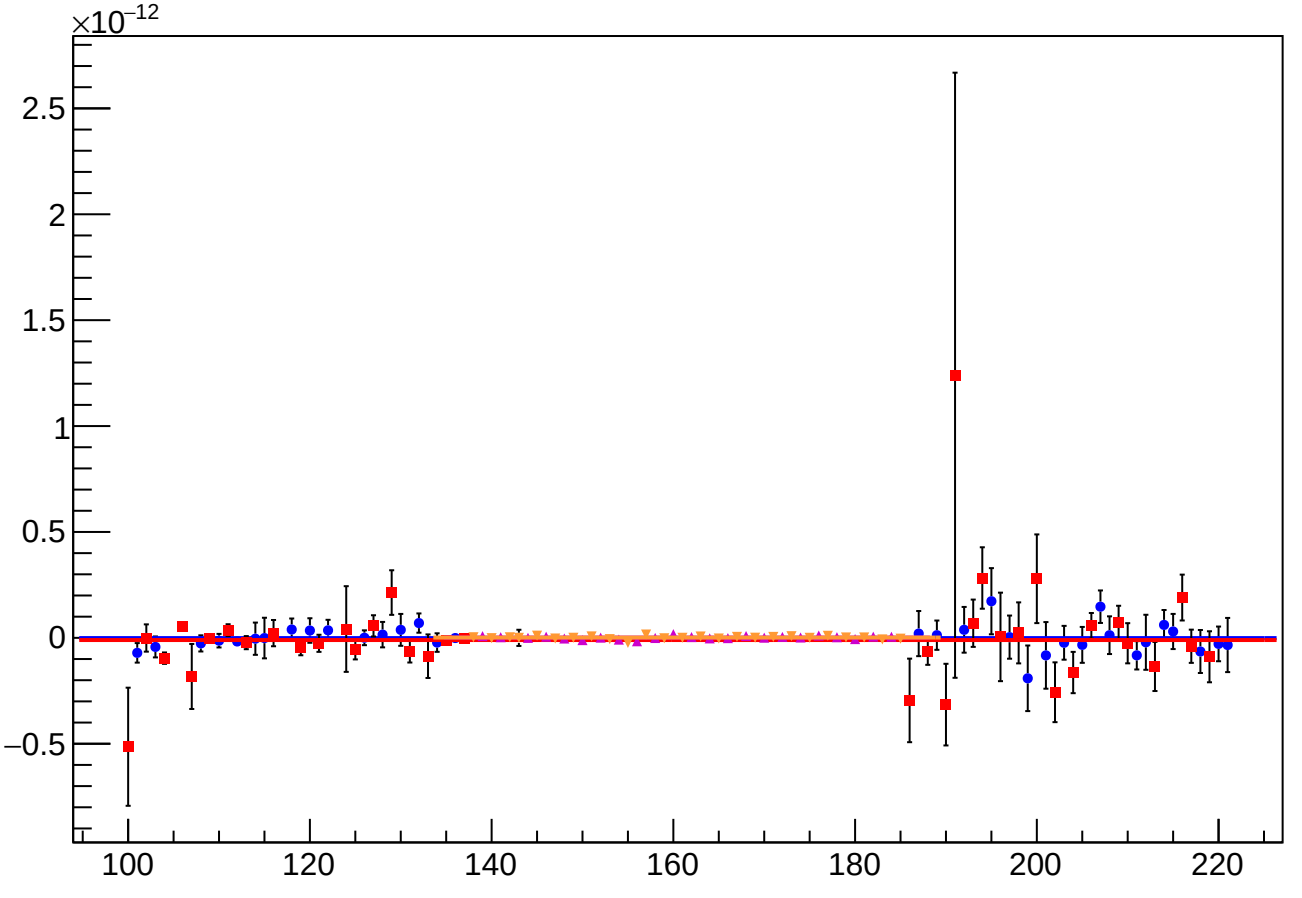
Right: 40.500+/-0.005 χ^2/NDF: 10036587.0/70

In: 36.515+/-0.005 χ^2/NDF:14015800.6/56

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.392+/-0.003 χ^2/NDF: 31175711.8/118

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 65.5/36

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

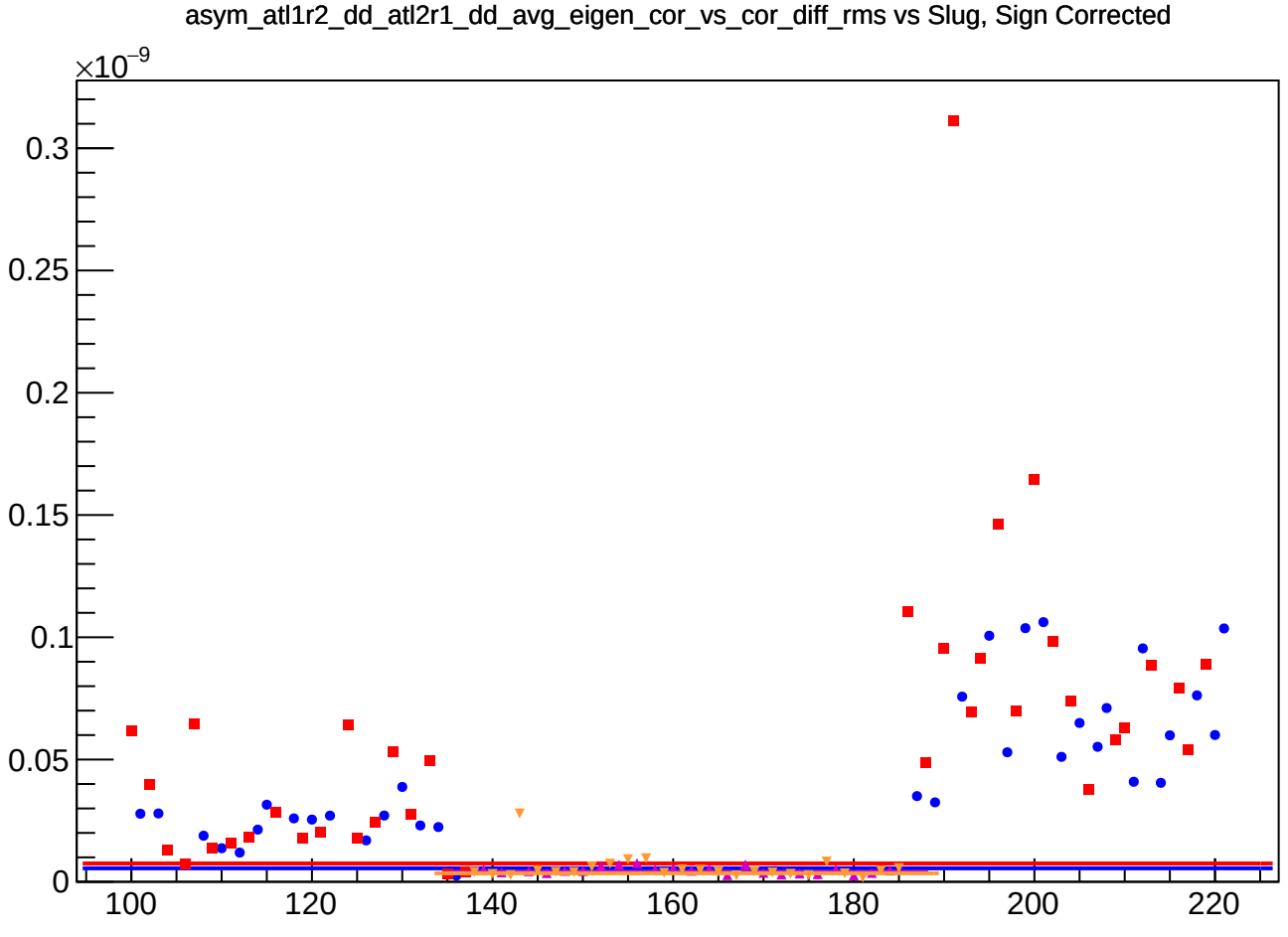
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

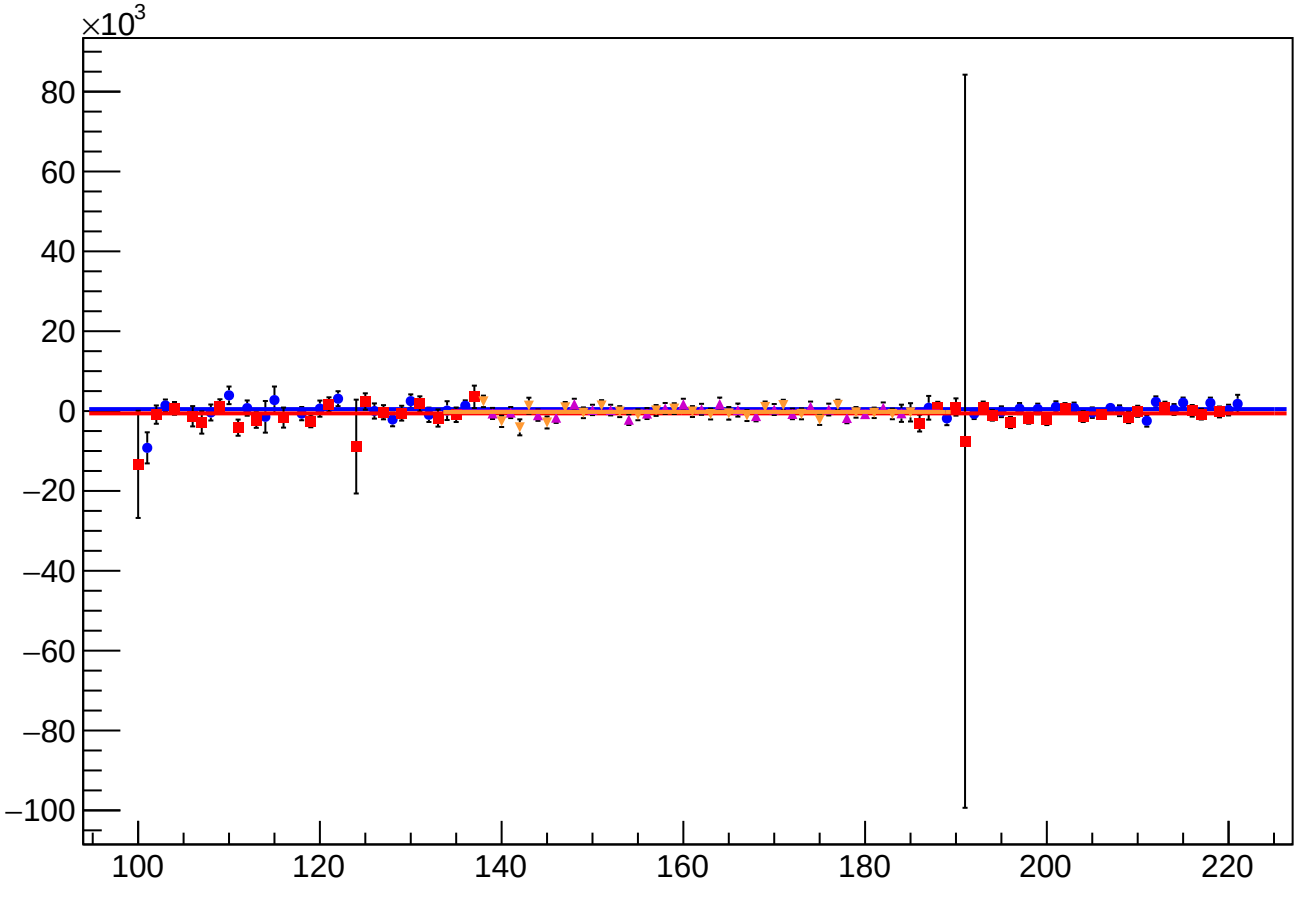
Right: -0.000+/-0.000 χ^2/NDF: 87.2/70

In: 0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:91.3/61

All: 0.000+/-0.000 χ^2/NDF: 139.2/118


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 18940700.4/33
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 17918262.2/36
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 37139132.5/70
In: 0.000+/-0.000 χ²/NDF:21388607.1/56
Out: 0.000+/-0.000 χ²/NDF:24392038.8/61
All: 0.000+/-0.000 χ²/NDF: 45918639.6/118



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: -576.736+/-277.611 χ^2/NDF: 29.8/36

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

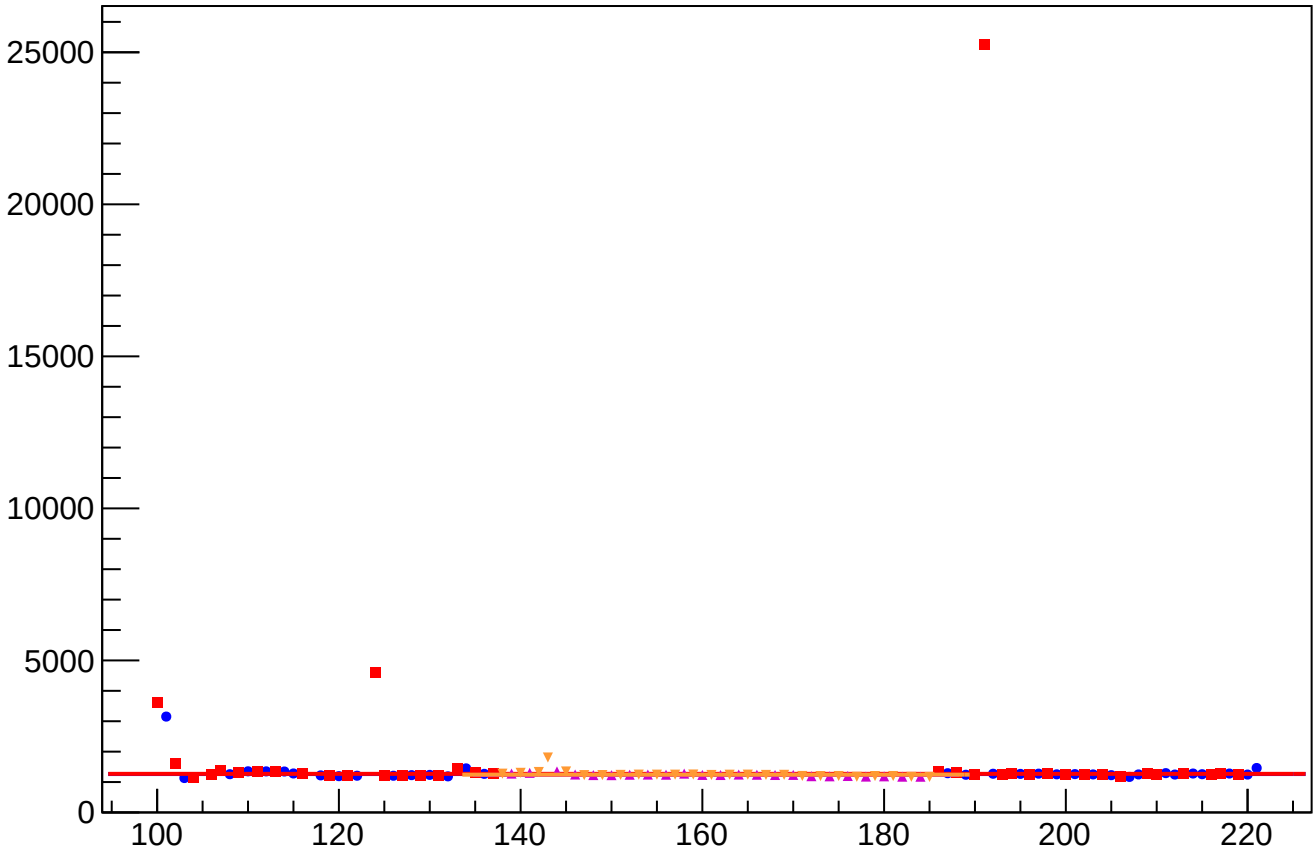
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -35.543+/-195.148 χ^2/NDF: 67.3/70

In: 214.755+/-198.727 χ^2/NDF:46.8/56

Out: -402.185+/-198.197 χ^2/NDF:54.5/61

All: -94.539+/-140.334 χ^2/NDF: 106.2/118



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: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

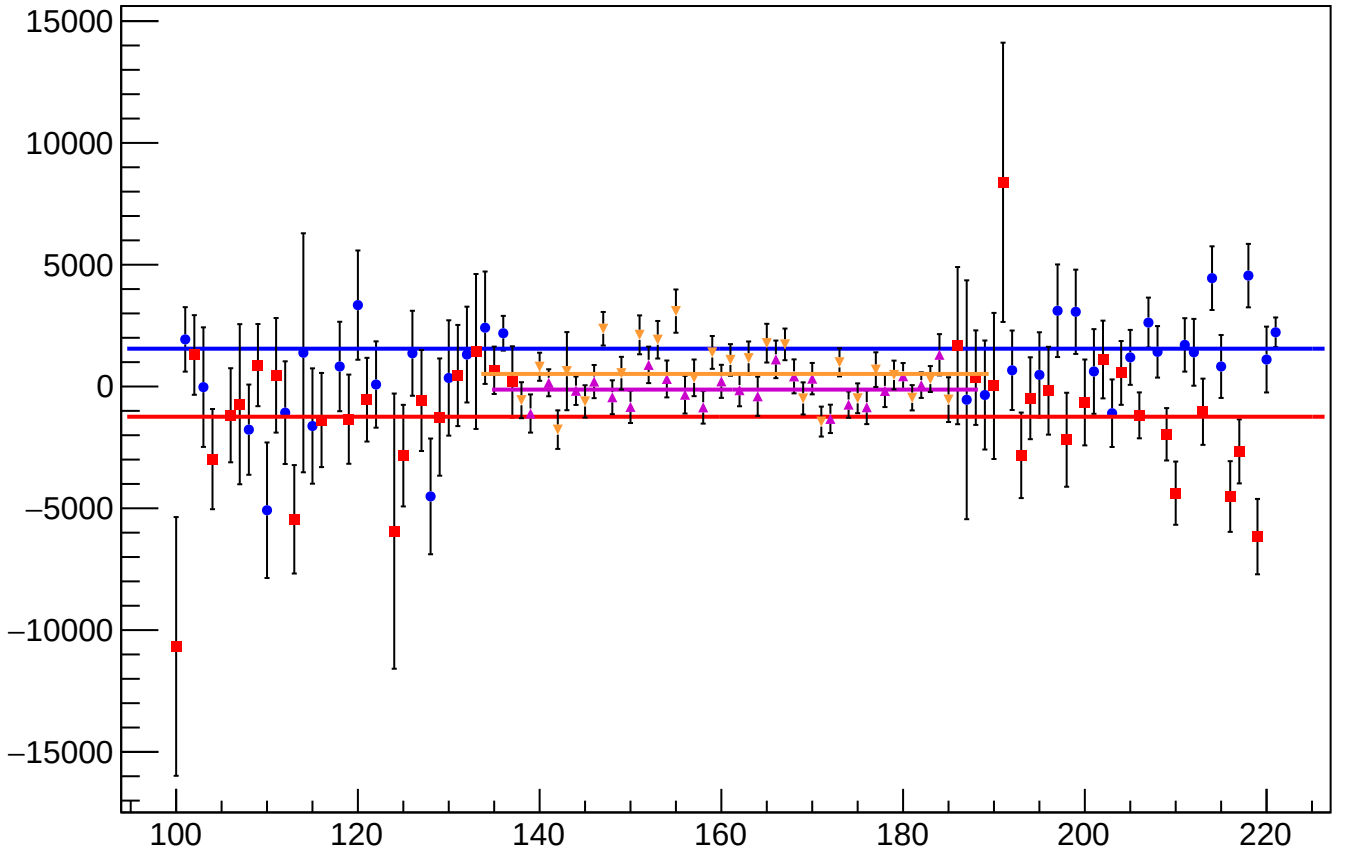
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1266.308+/-0.138 χ^2/NDF: 1040180.0/70

In: 1249.172+/-0.141 χ^2/NDF:602233.4/56

Out: 1256.445+/-0.140 χ^2/NDF:699986.5/61

All: 1252.818+/-0.099 χ^2/NDF: 1303562.9/11



Right In: 1552.414+/-243.046 χ^2/NDF: 42.0/33

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -1240.765+/-279.291 χ^2/NDF: 52.7/36

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

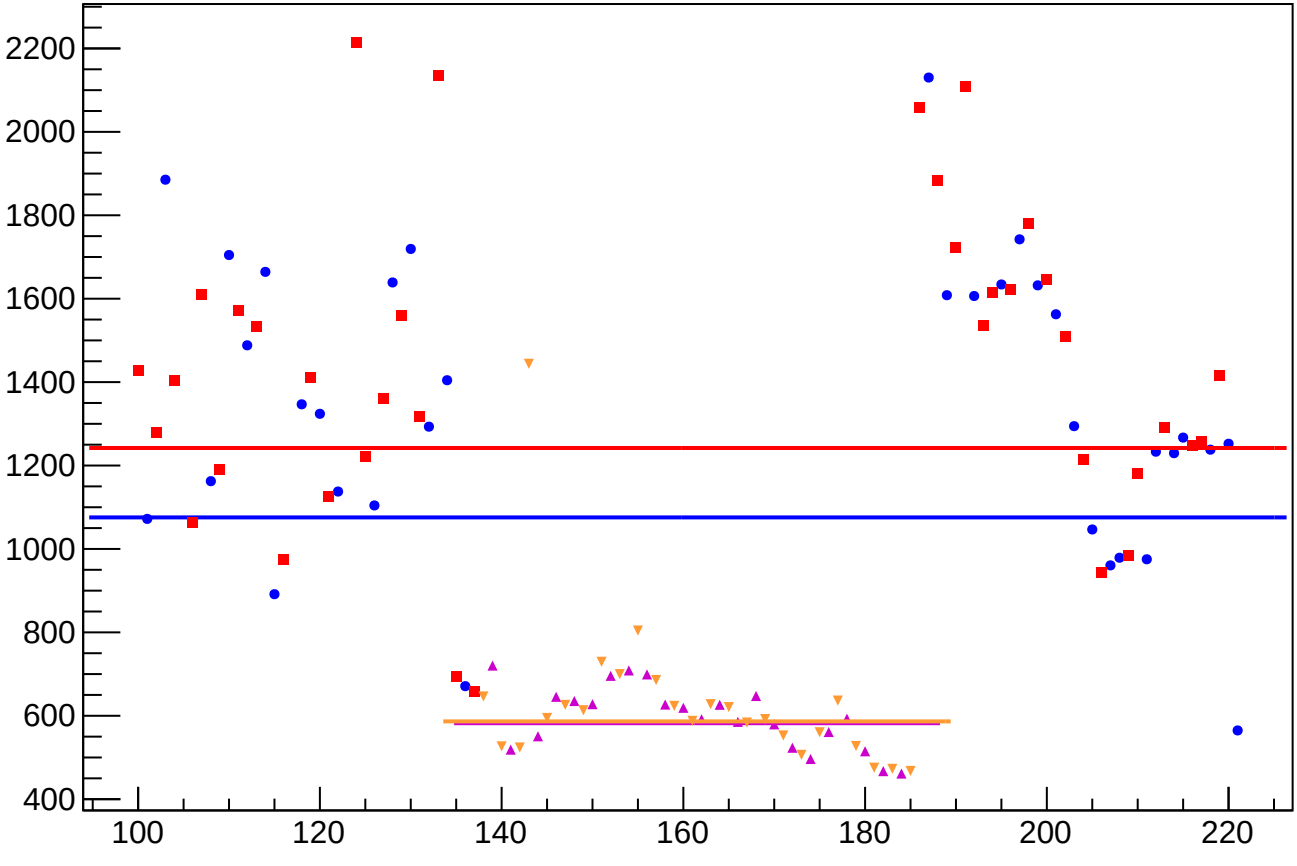
Right: 348.712+/-183.344 χ^2/NDF: 151.6/70

In: 279.463+/-119.522 χ^2/NDF:99.8/56

Out: 180.938+/-122.089 χ^2/NDF:151.7/61

All: 231.248+/-85.408 χ^2/NDF: 251.8/118

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: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

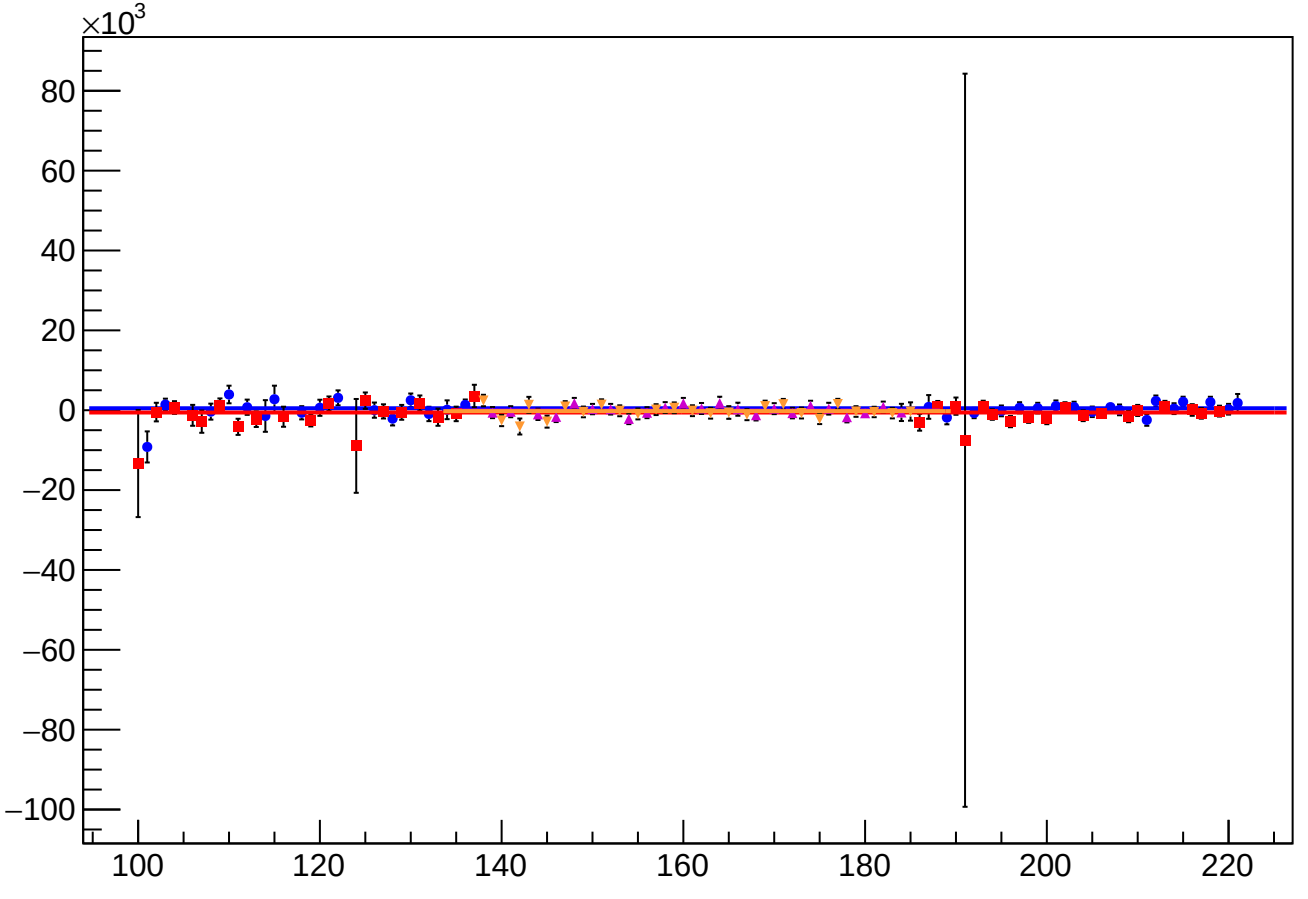
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1147.356+/-0.130 χ^2/NDF: 7561021.4/70

In: 701.518+/-0.085 χ^2/NDF:11201124.2/56

Out: 711.822+/-0.086 χ^2/NDF:12880018.2/61

All: 706.561+/-0.060 χ^2/NDF: 24088417.7/1



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: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

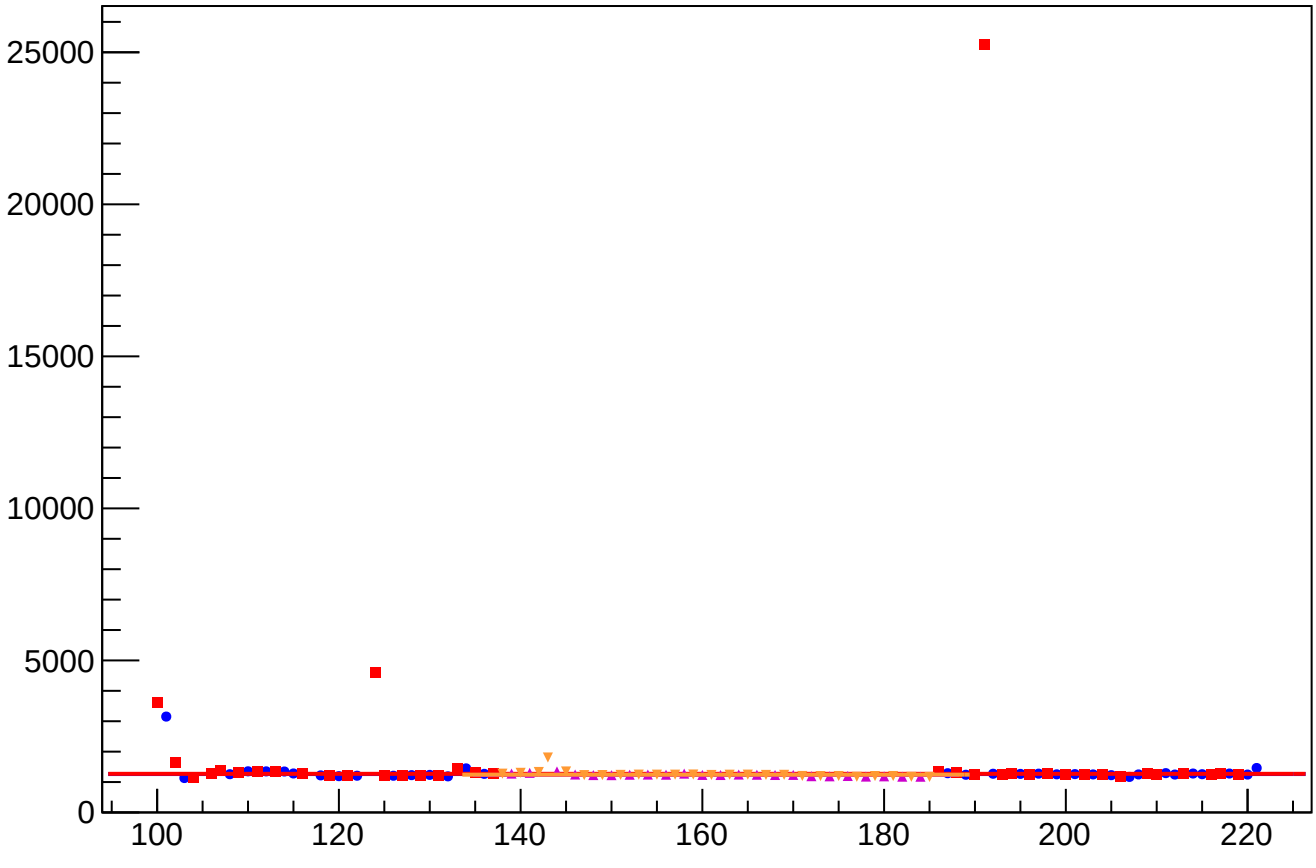
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -31.809+/-195.203 χ^2/NDF: 67.2/70

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -92.651+/-140.354 χ^2/NDF: 106.1/118



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: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

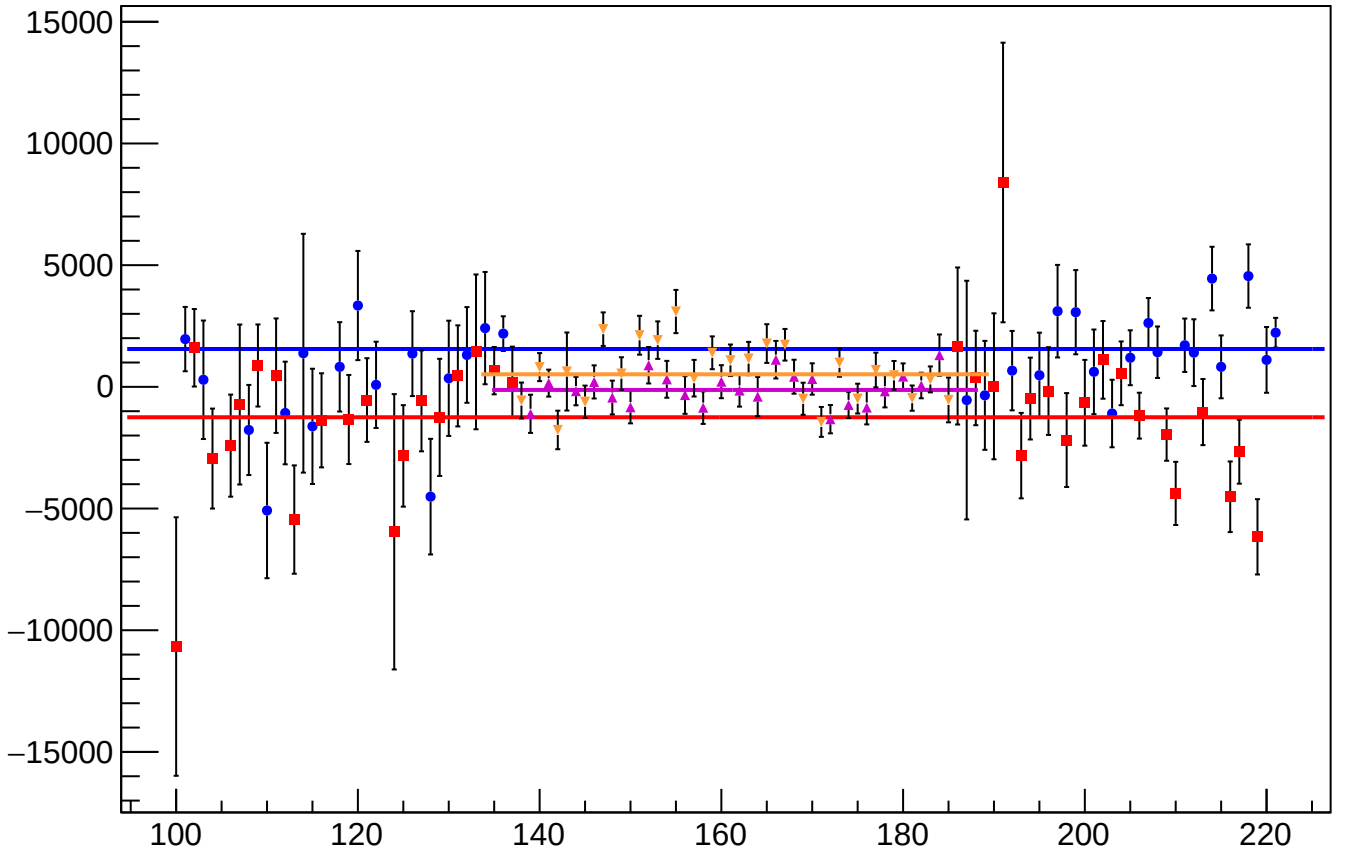
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1266.676+/-0.138 χ^2/NDF: 1047502.9/70

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1253.004+/-0.099 χ^2/NDF: 1311404.4/11



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: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

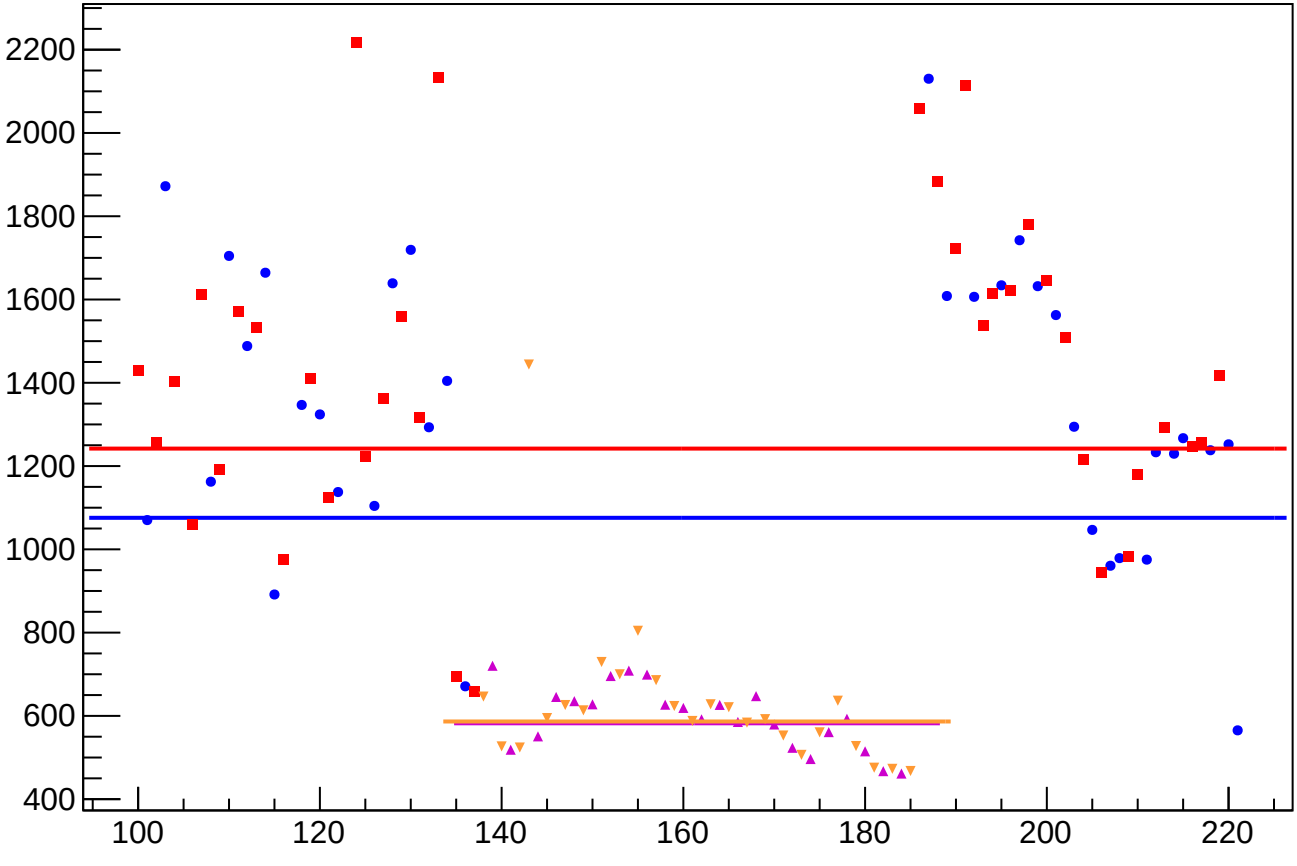
Right: 348.469+/-183.402 χ^2/NDF: 153.0/70

In: 280.398+/-119.520 χ^2/NDF:99.8/56

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 231.192+/-85.414 χ^2/NDF: 253.2/118

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: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

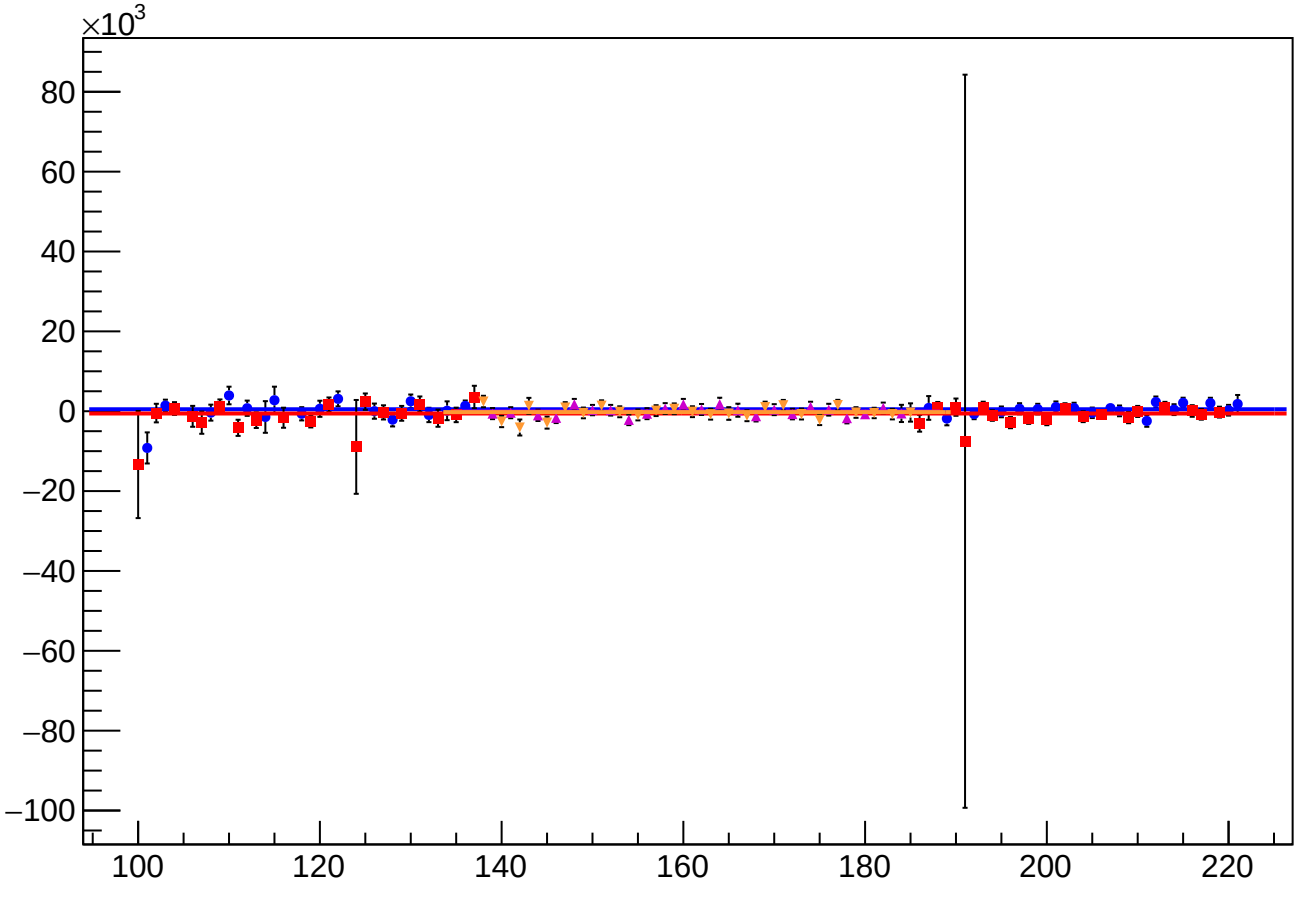
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1147.294+/-0.130 χ^2/NDF: 7549465.9/70

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 706.489+/-0.060 χ^2/NDF: 24066174.6/11



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: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

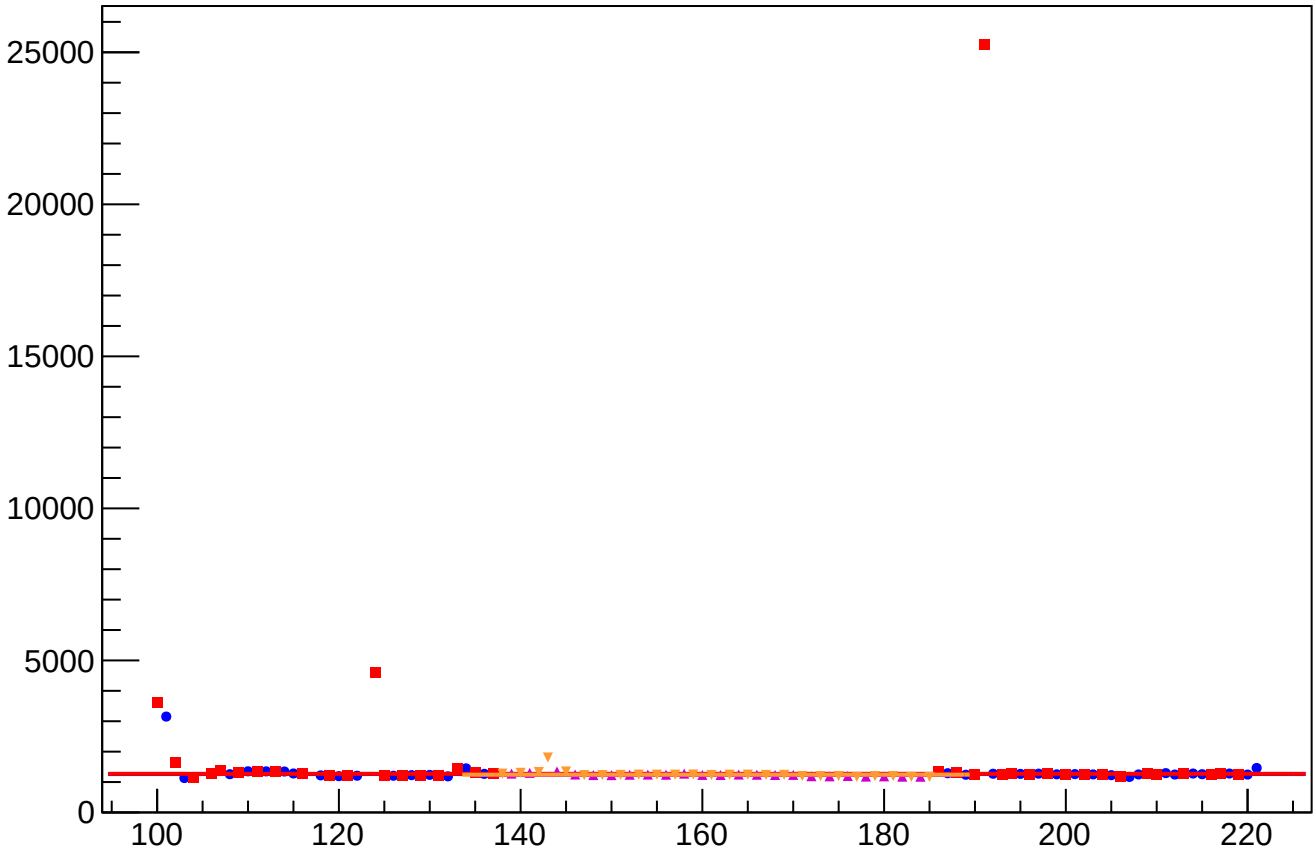
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -31.809+/-195.203 χ^2/NDF: 67.2/70

In: 214.813+/-198.727 χ^2/NDF:46.8/56

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -92.651+/-140.354 χ^2/NDF: 106.1/118



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: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

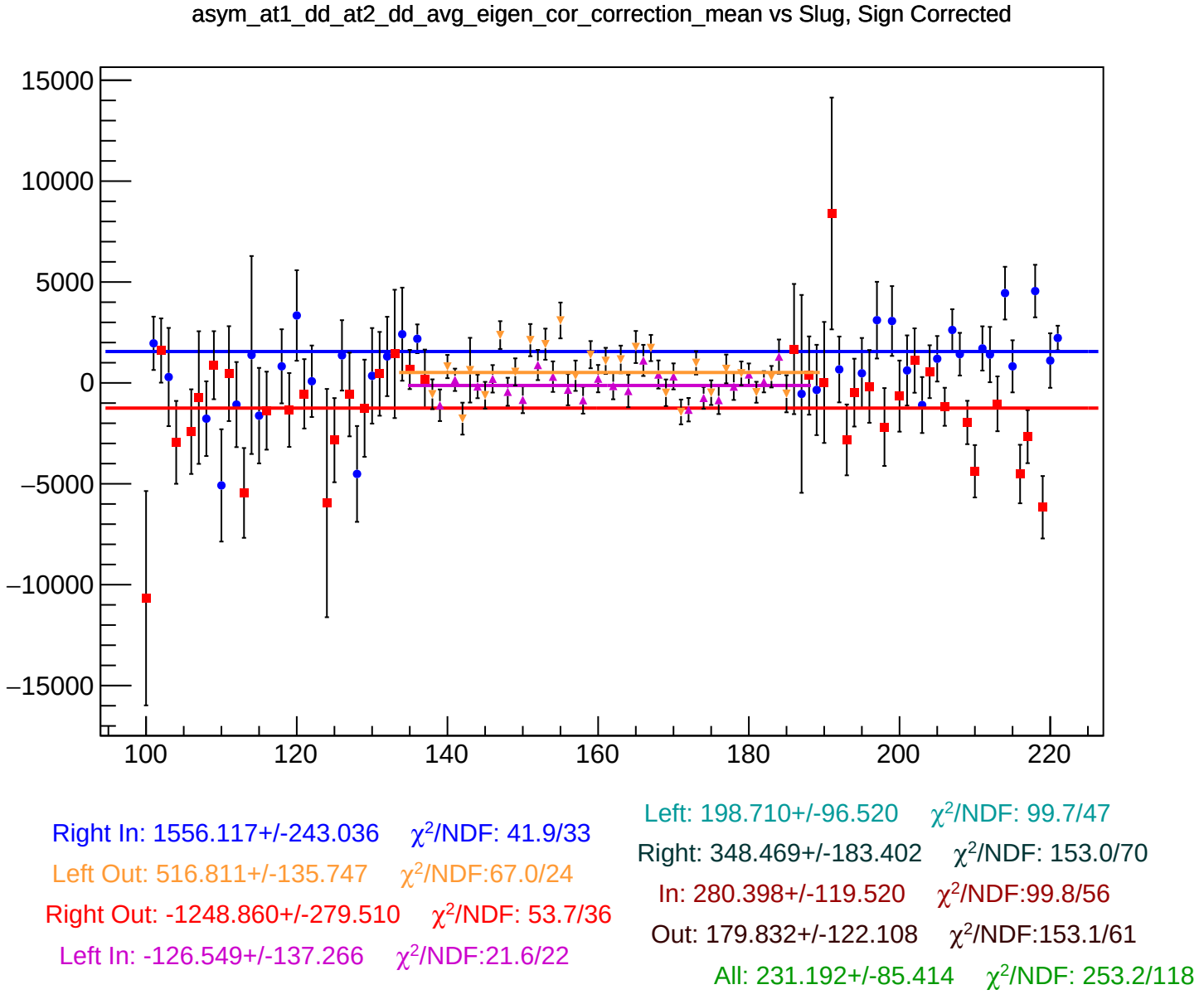
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

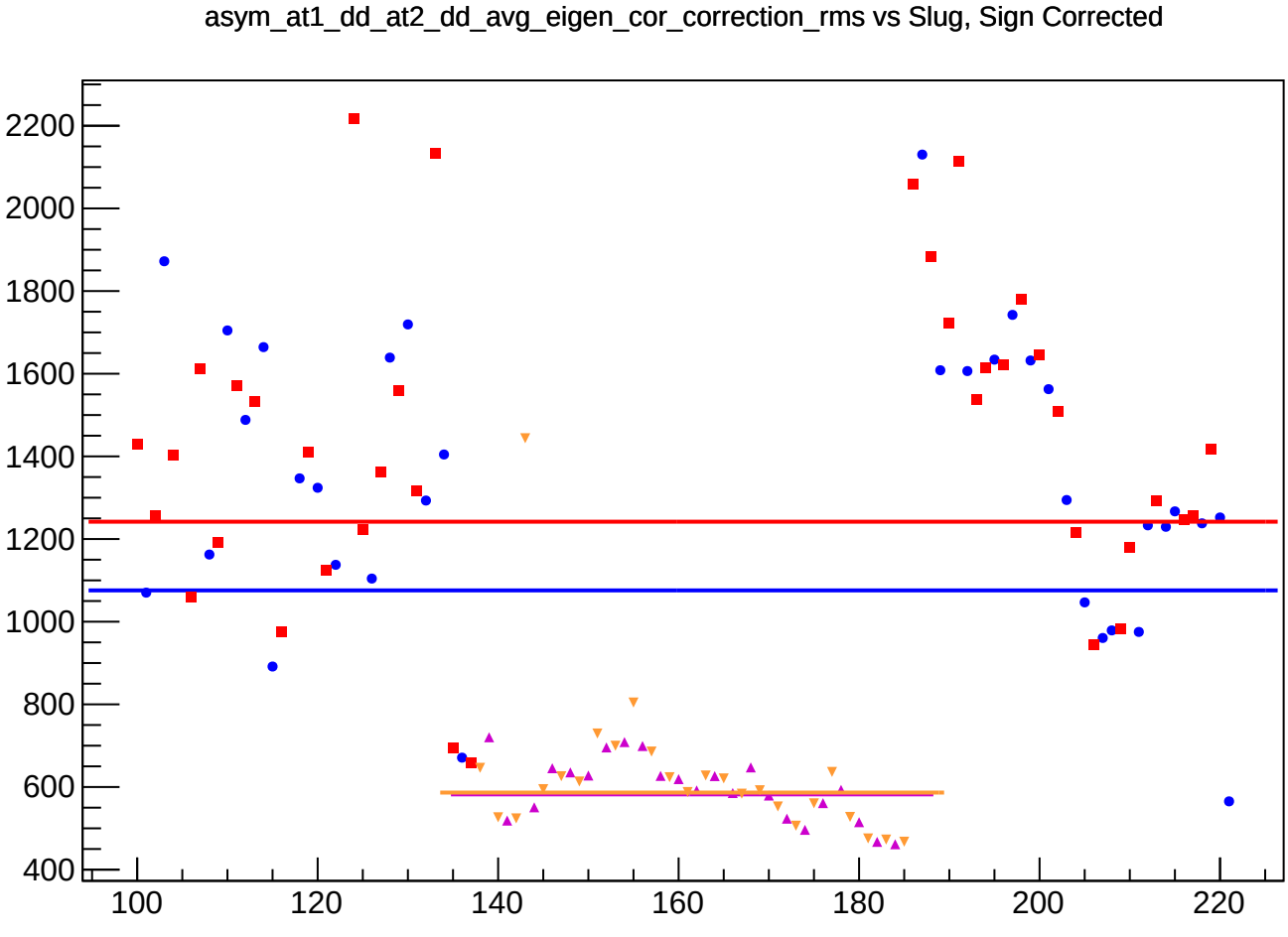
Right: 1266.676+/-0.138 χ^2/NDF: 1047502.9/70

In: 1249.172+/-0.141 χ^2/NDF:602234.7/56

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1253.004+/-0.099 χ^2/NDF: 1311404.4/11


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: -1248.860+/-279.510 χ²/NDF: 53.7/36
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 348.469+/-183.402 χ²/NDF: 153.0/70
In: 280.398+/-119.520 χ²/NDF:99.8/56
Out: 179.832+/-122.108 χ²/NDF:153.1/61
All: 231.192+/-85.414 χ²/NDF: 253.2/118



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: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

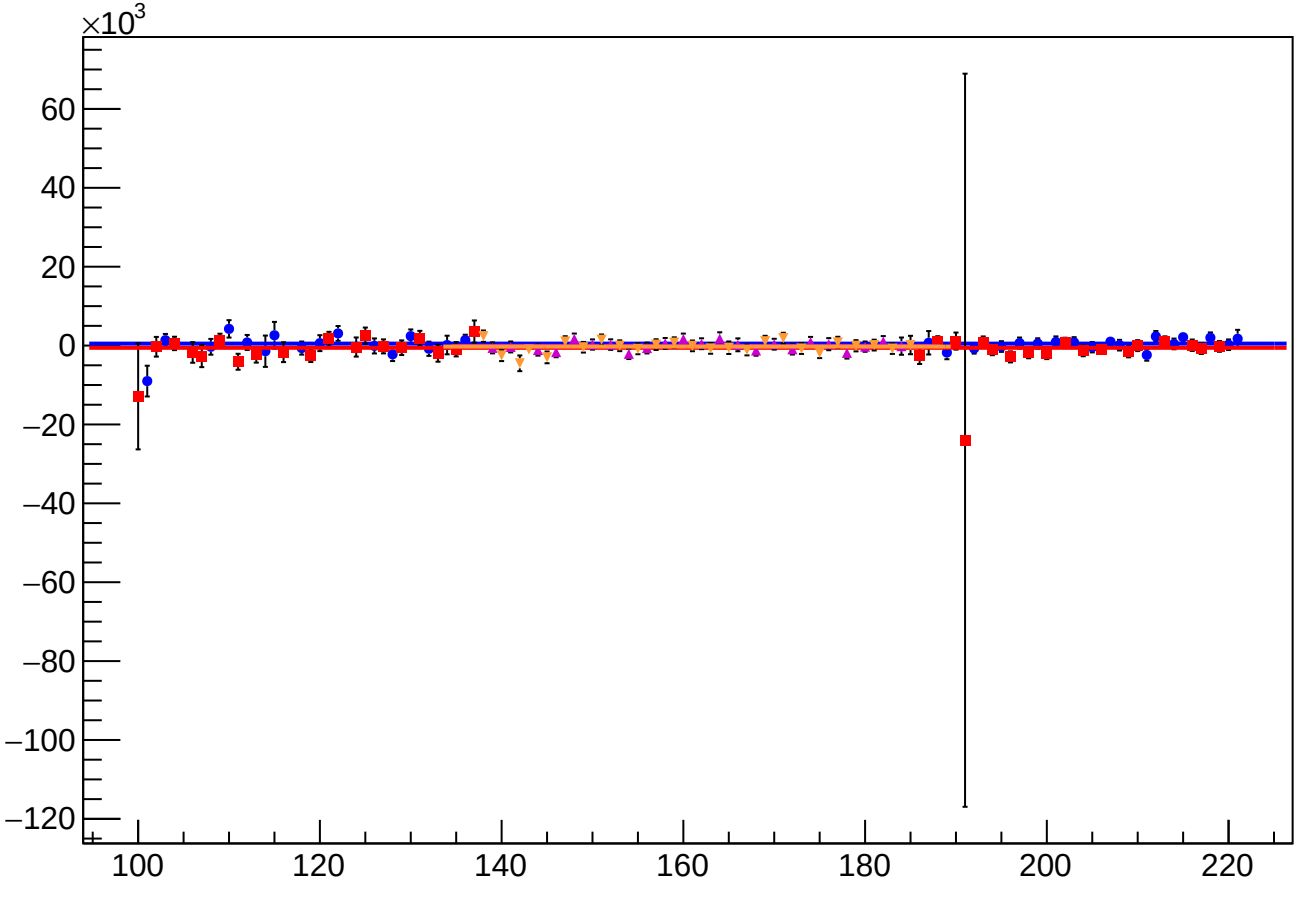
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1147.294+/-0.130 χ^2/NDF: 7549465.9/70

In: 701.548+/-0.085 χ^2/NDF:11196651.1/56

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 706.489+/-0.060 χ^2/NDF: 24066174.6/11



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: -567.132+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

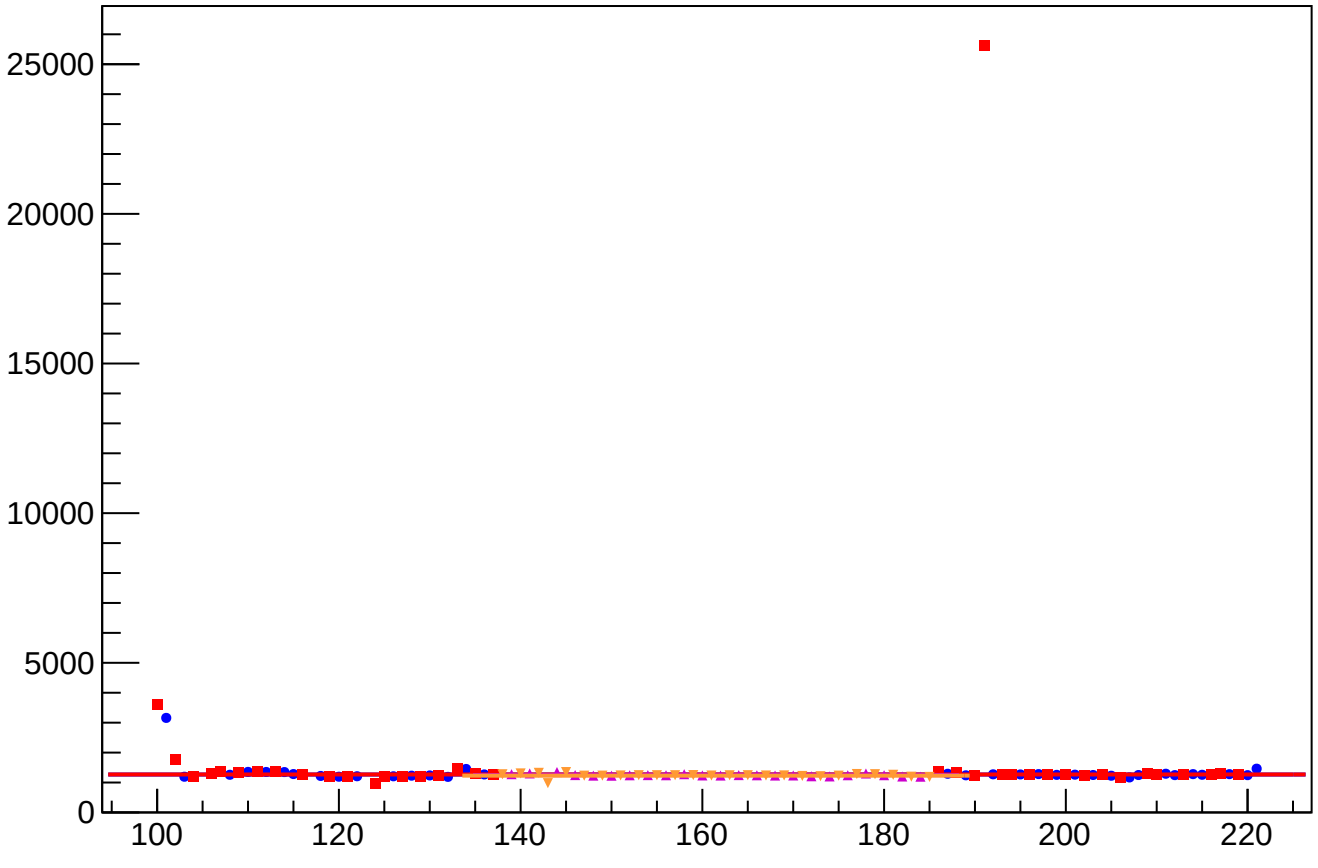
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -31.055+/-195.277 χ^2/NDF: 66.6/70

In: 227.508+/-200.067 χ^2/NDF:45.9/56

Out: -410.527+/-196.972 χ^2/NDF:54.0/61

All: -96.482+/-140.361 χ^2/NDF: 105.0/118



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: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

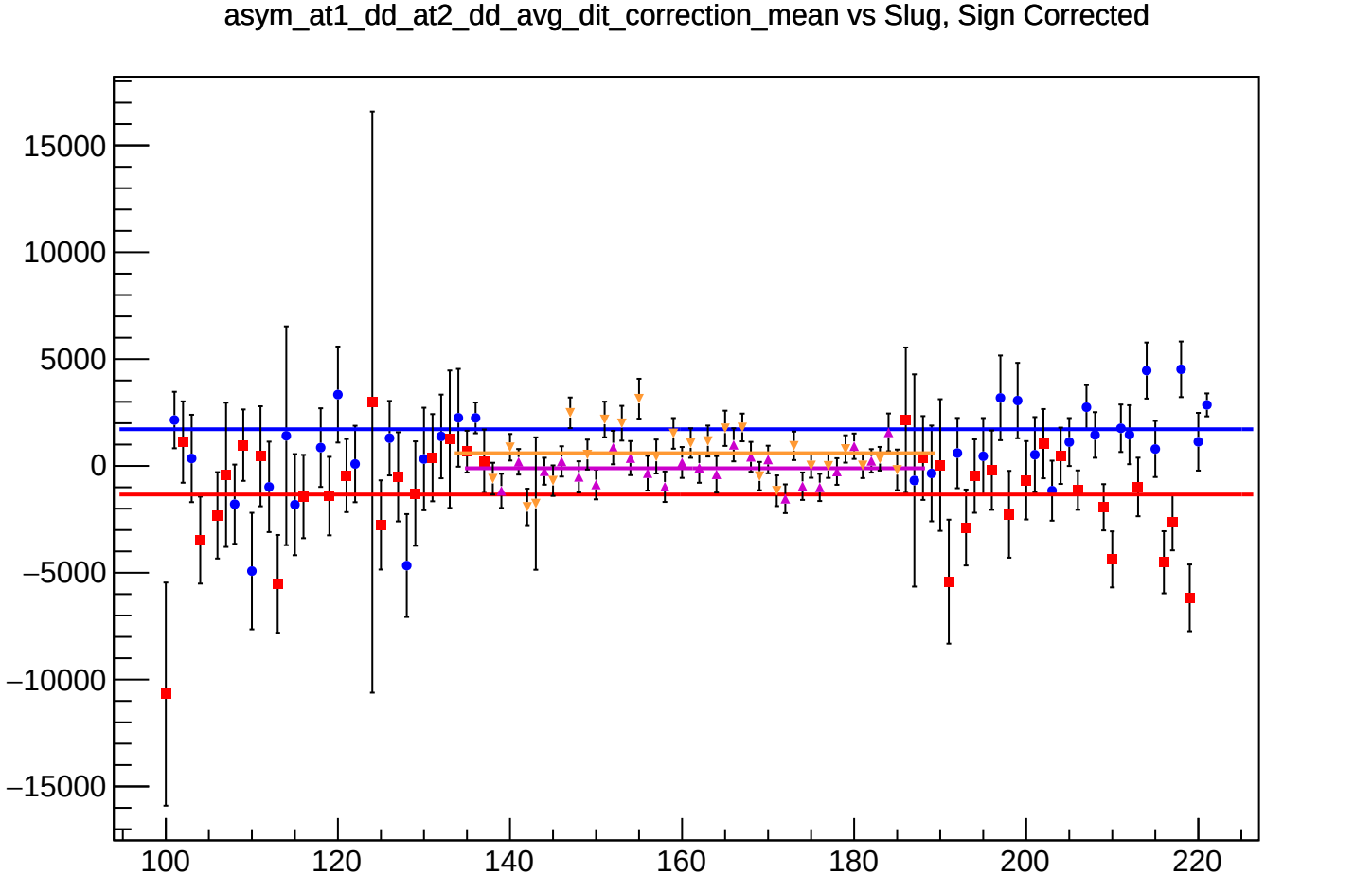
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1267.910+/-0.138 χ^2/NDF: 927414.2/70

In: 1257.793+/-0.141 χ^2/NDF:573155.6/56

Out: 1249.747+/-0.139 χ^2/NDF:547331.4/61

All: 1253.707+/-0.099 χ^2/NDF: 1122129.5/11



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: -1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

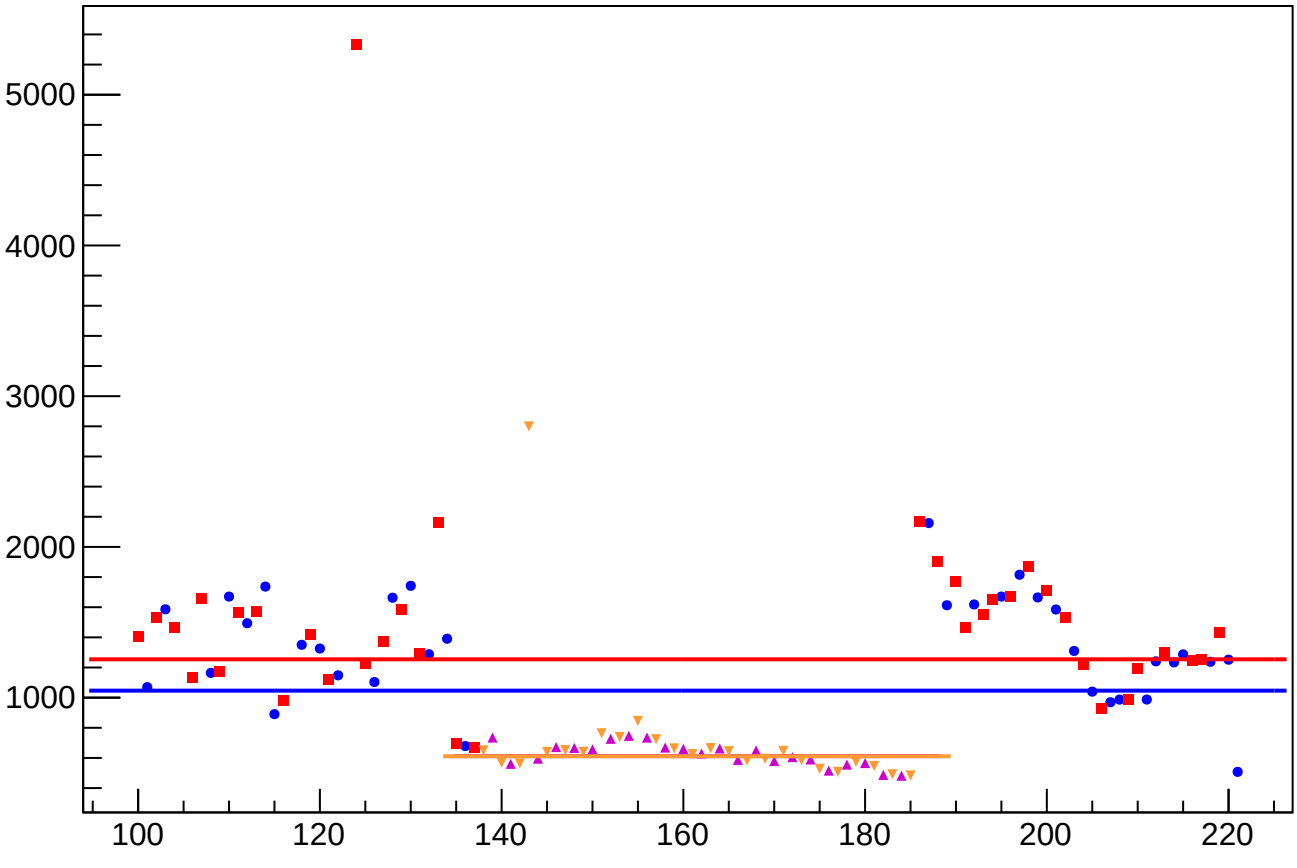
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 442.039+/-182.045 χ^2/NDF: 166.1/70

In: 379.240+/-123.433 χ^2/NDF:115.7/56

Out: 202.875+/-126.886 χ^2/NDF:145.5/61

All: 293.490+/-88.476 χ^2/NDF: 262.2/118



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: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

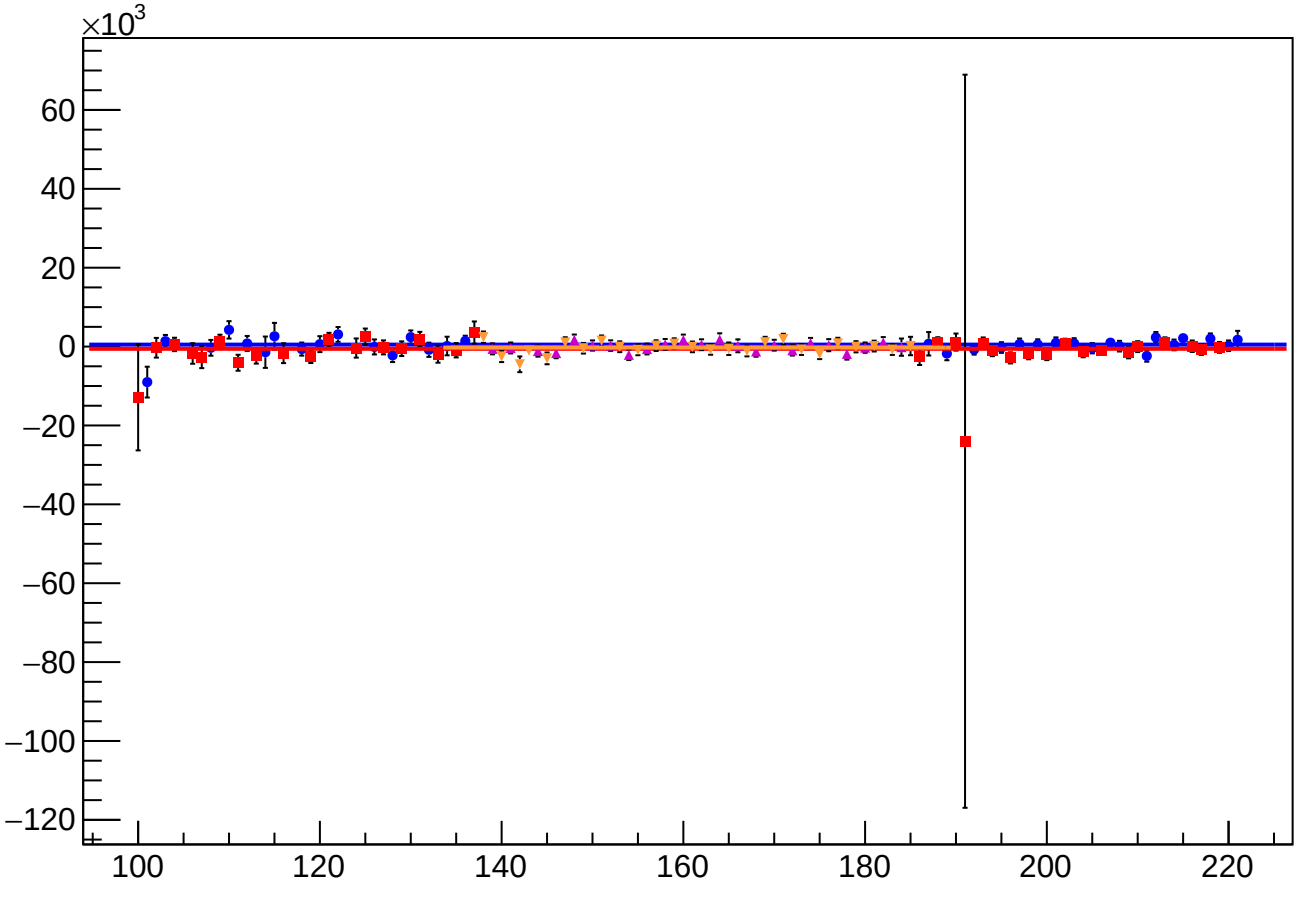
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1133.347+/-0.129 χ^2/NDF: 8855996.5/70

In: 728.568+/-0.087 χ^2/NDF:10521558.3/56

Out: 741.678+/-0.090 χ^2/NDF:12992940.7/61

All: 734.942+/-0.063 χ^2/NDF: 23525468.5/1



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: -567.130+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

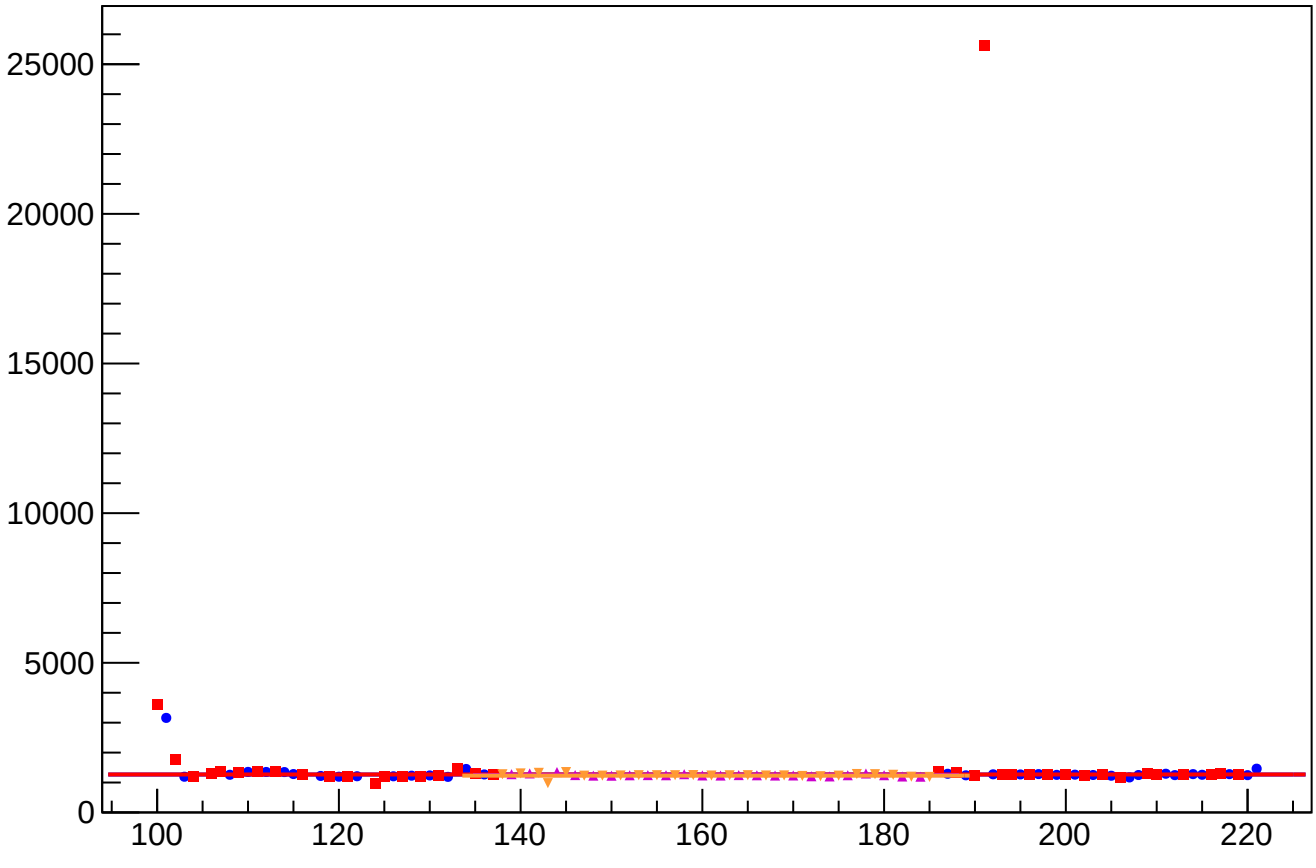
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -31.056+/-195.277 χ^2/NDF: 66.6/70

In: 227.506+/-200.067 χ^2/NDF:45.9/56

Out: -410.526+/-196.972 χ^2/NDF:54.0/61

All: -96.483+/-140.361 χ^2/NDF: 105.0/118



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: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

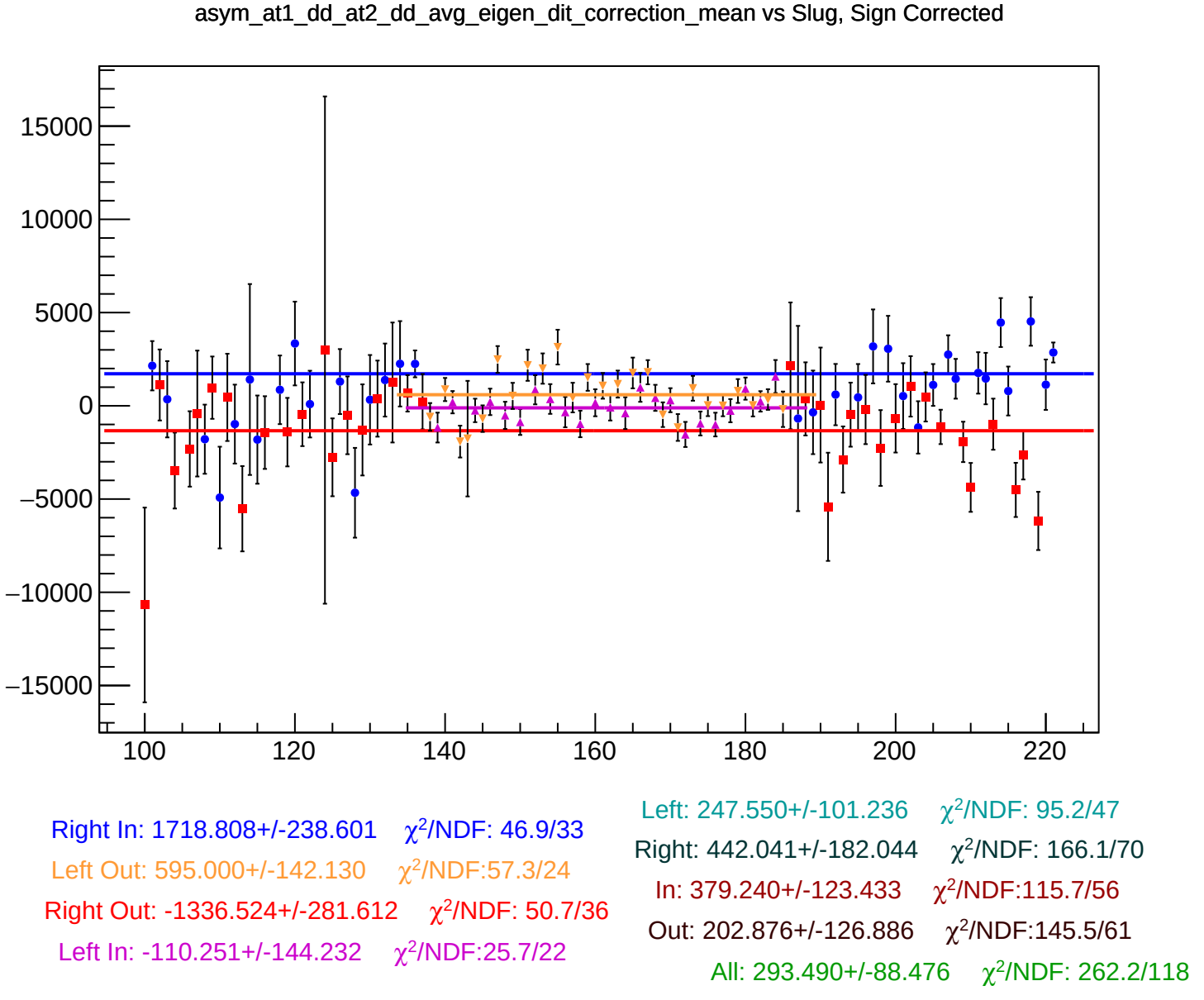
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

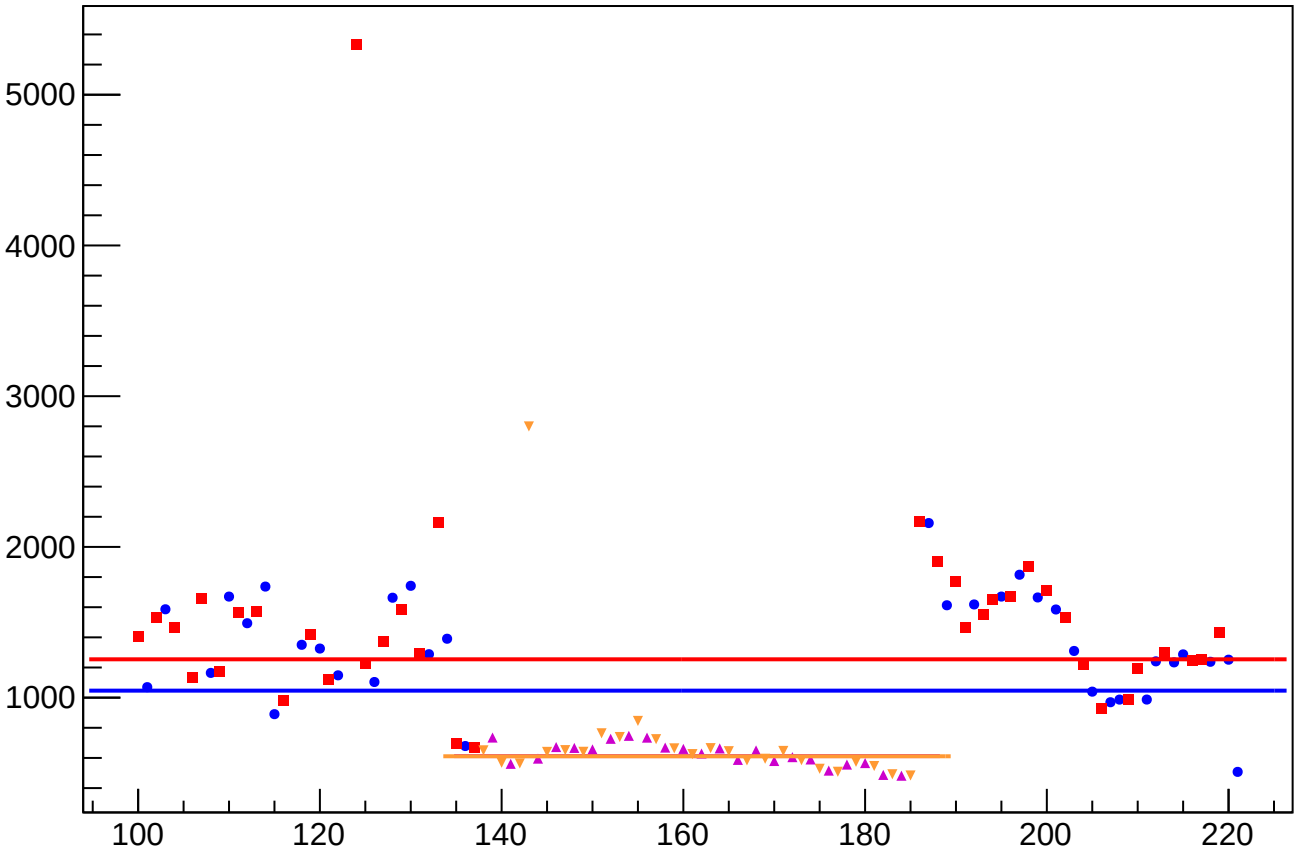
Right: 1267.910+/-0.138 χ^2/NDF: 927414.1/70

In: 1257.793+/-0.141 χ^2/NDF:573155.7/56

Out: 1249.747+/-0.139 χ^2/NDF:547330.3/61

All: 1253.707+/-0.099 χ^2/NDF: 1122128.5/11


asym_at1_dd_at2_dd_avg_eigen_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: -1336.524+/-281.612 χ²/NDF: 50.7/36
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 442.041+/-182.044 χ²/NDF: 166.1/70
In: 379.240+/-123.433 χ²/NDF:115.7/56
Out: 202.876+/-126.886 χ²/NDF:145.5/61
All: 293.490+/-88.476 χ²/NDF: 262.2/118



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: 1254.353+/-0.199 χ^2/NDF: 3056703.2/36

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

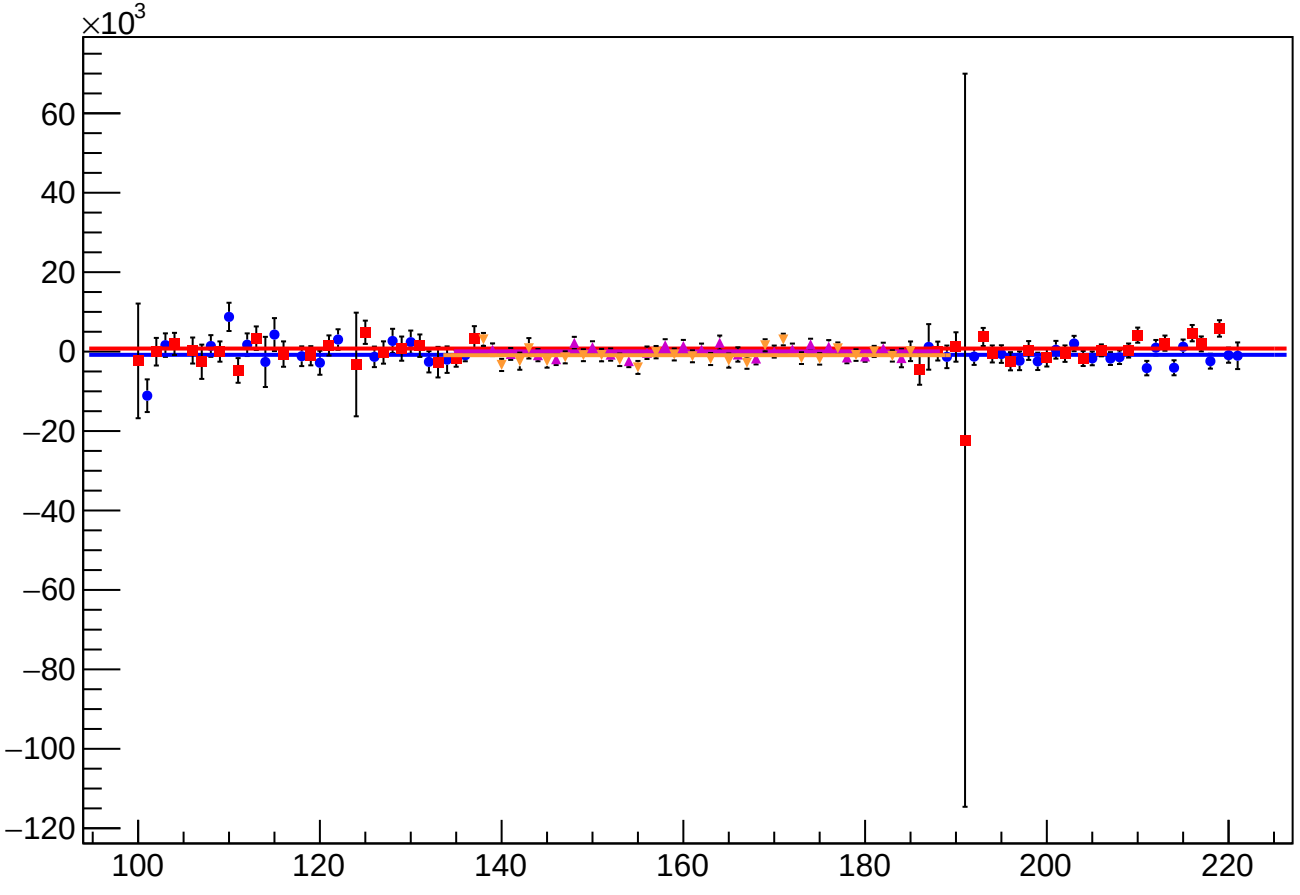
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1133.347+/-0.129 χ^2/NDF: 8855905.1/70

In: 728.567+/-0.087 χ^2/NDF:10521529.1/56

Out: 741.678+/-0.090 χ^2/NDF:12992931.5/61

All: 734.942+/-0.063 χ^2/NDF: 23525431.2/11



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: 771.194+/-411.095 χ^2/NDF: 33.8/36

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

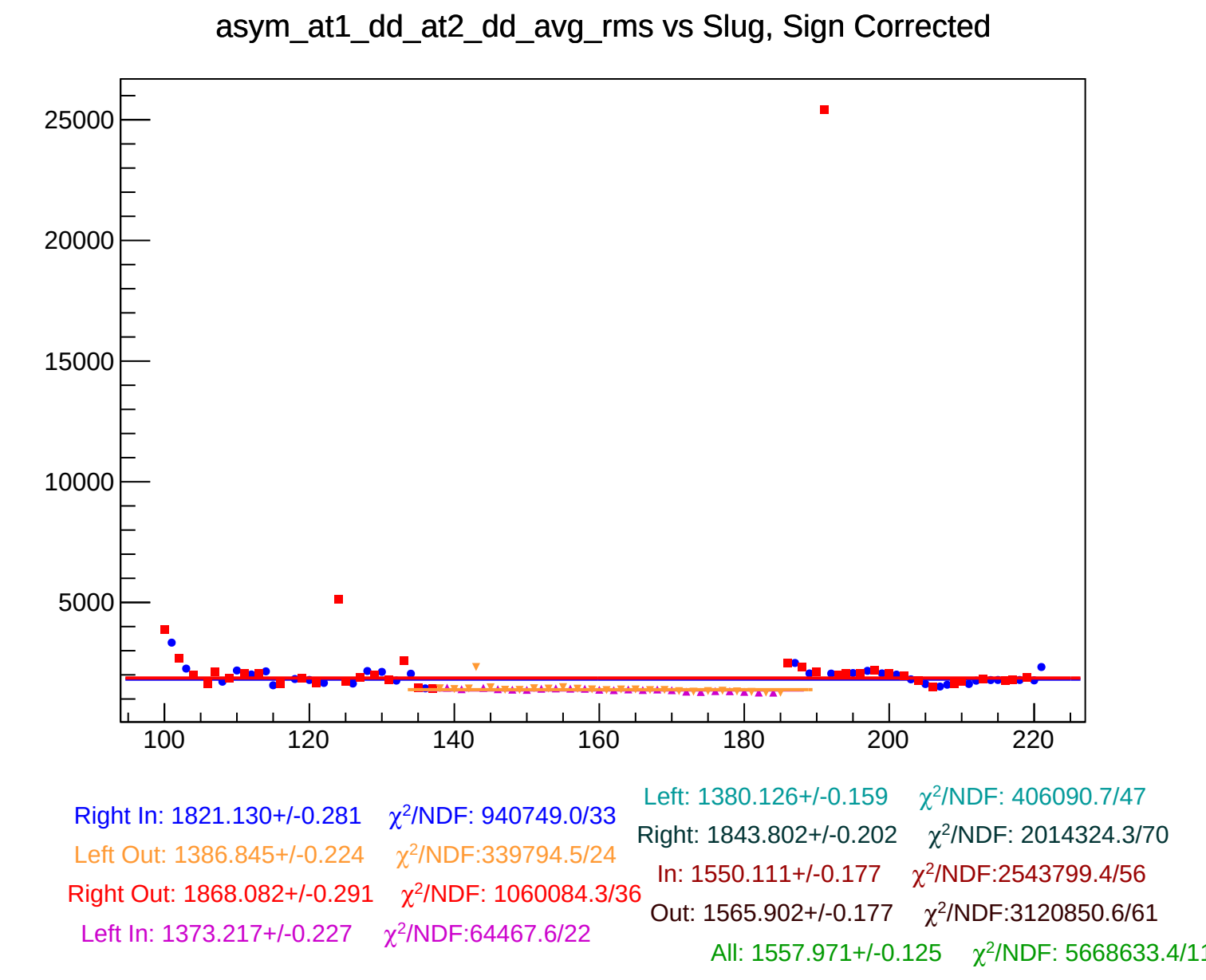
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

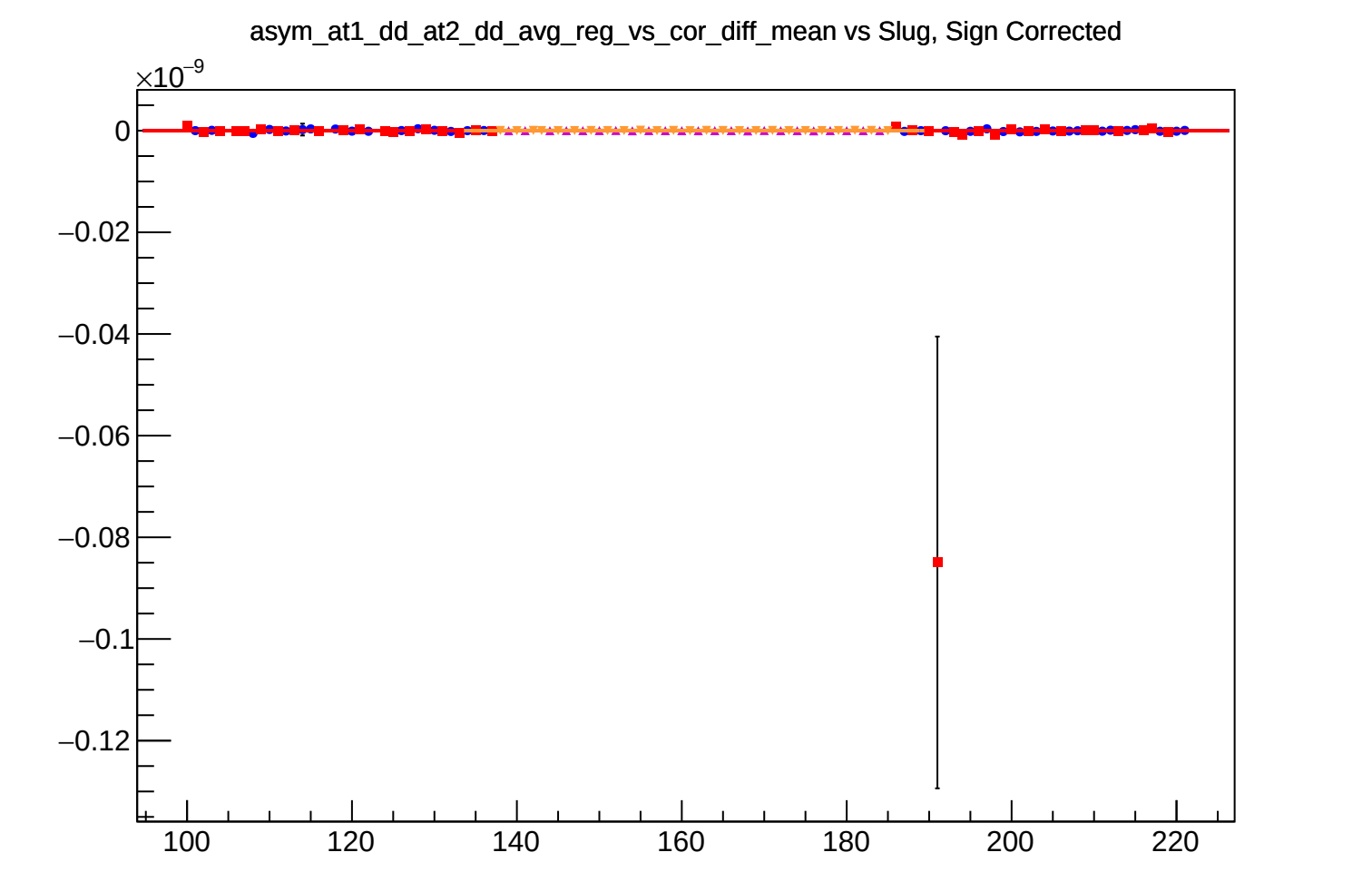
Right: -46.241+/-285.663 χ^2/NDF: 78.0/70

In: -290.545+/-249.639 χ^2/NDF:57.2/56

Out: -278.124+/-250.759 χ^2/NDF:74.0/61

All: -284.363+/-176.916 χ^2/NDF: 131.3/118


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 1821.130+/-0.281 χ²/NDF: 940749.0/33
Left Out: 1386.845+/-0.224 χ²/NDF:339794.5/24
Right Out: 1868.082+/-0.291 χ²/NDF: 1060084.3/36
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1843.802+/-0.202 χ²/NDF: 2014324.3/70
In: 1550.111+/-0.177 χ²/NDF:2543799.4/56
Out: 1565.902+/-0.177 χ²/NDF:3120850.6/61
All: 1557.971+/-0.125 χ²/NDF: 5668633.4/11



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: 58.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

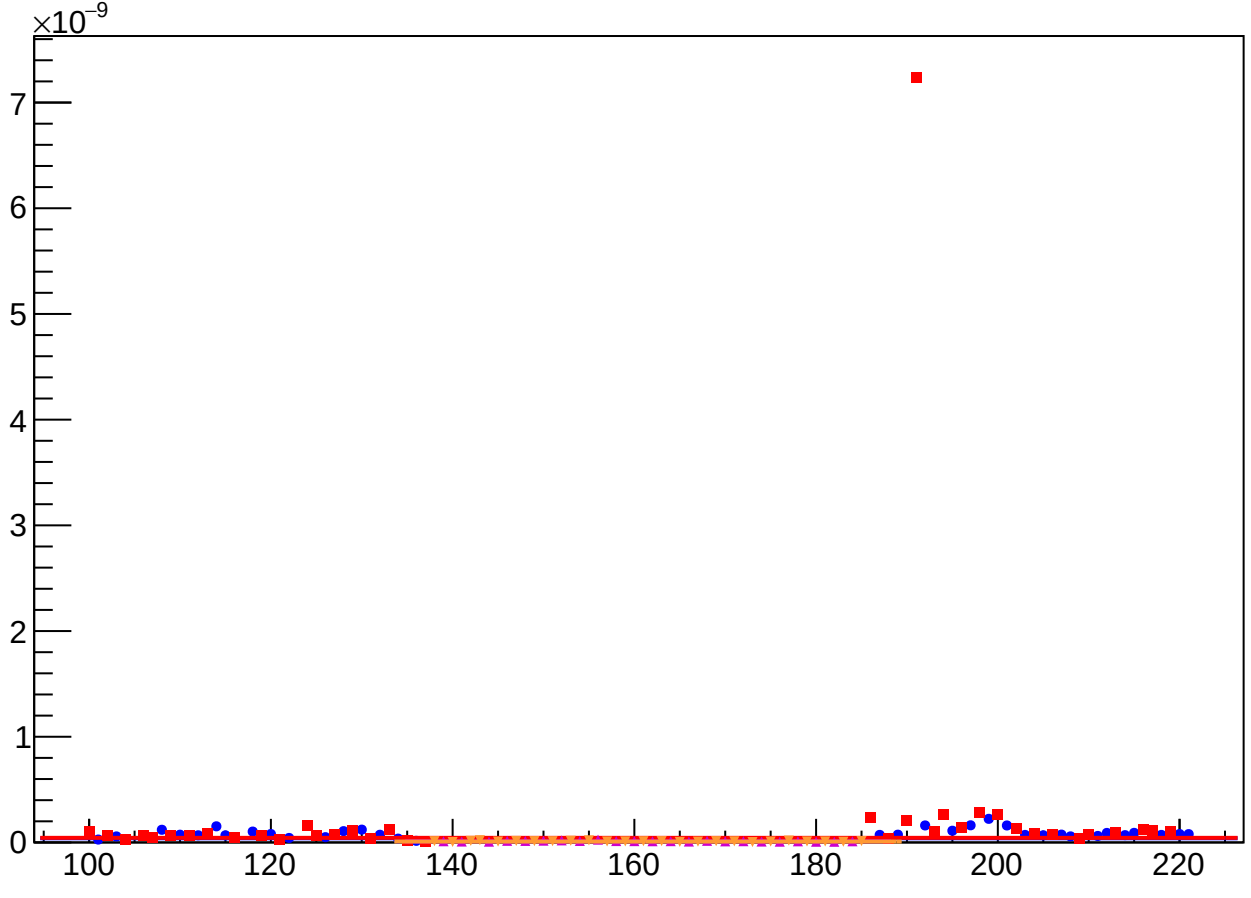
Right: -0.000+/-0.000 χ^2/NDF: 87.8/70

In: 0.000+/-0.000 χ^2/NDF:42.7/56

Out: 0.000+/-0.000 χ^2/NDF:83.5/61

All: 0.000+/-0.000 χ^2/NDF: 126.3/118

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: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

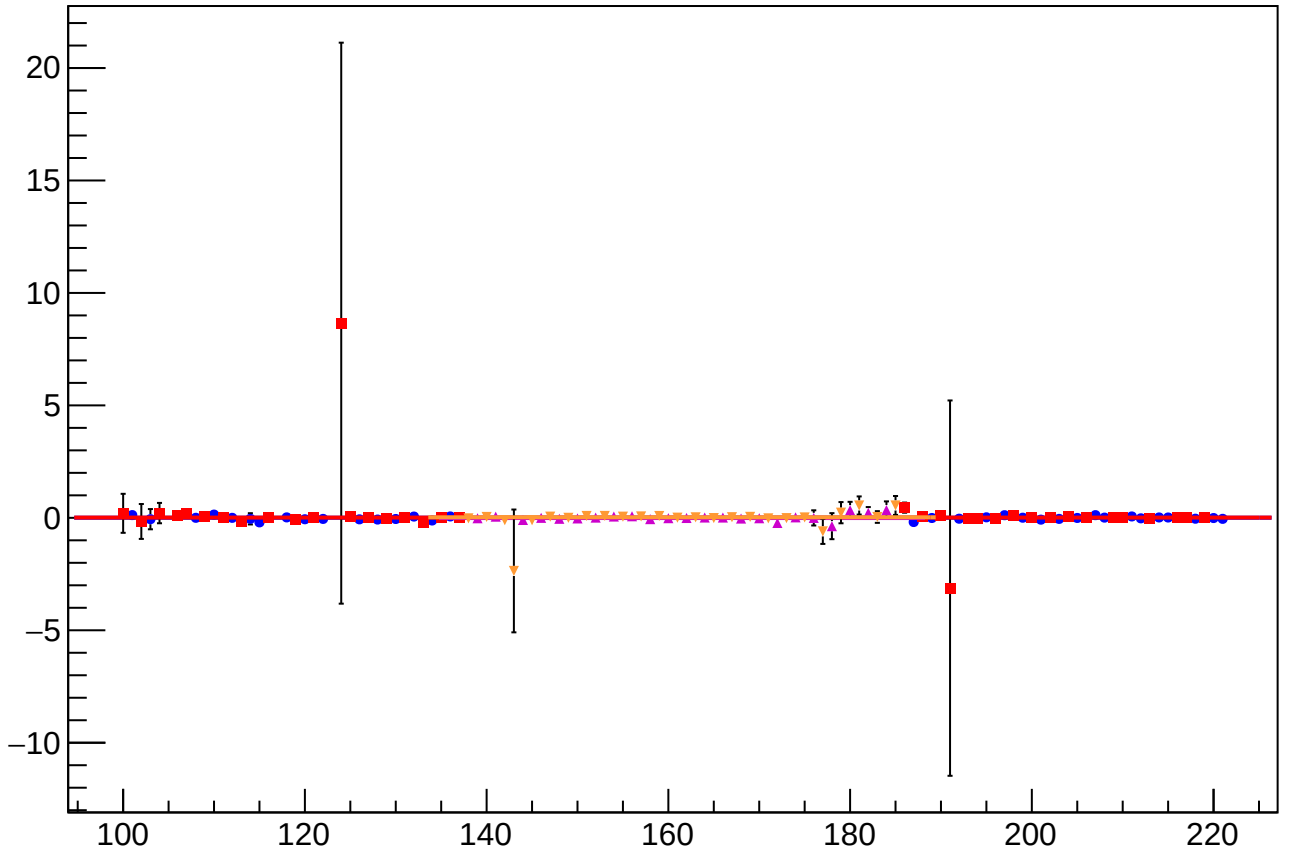
Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15442333.3/70

In: 0.000+/-0.000 χ^2/NDF:14574605.1/56

Out: 0.000+/-0.000 χ^2/NDF:16772039.7/61

All: 0.000+/-0.000 χ^2/NDF: 31729031.4/118



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: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

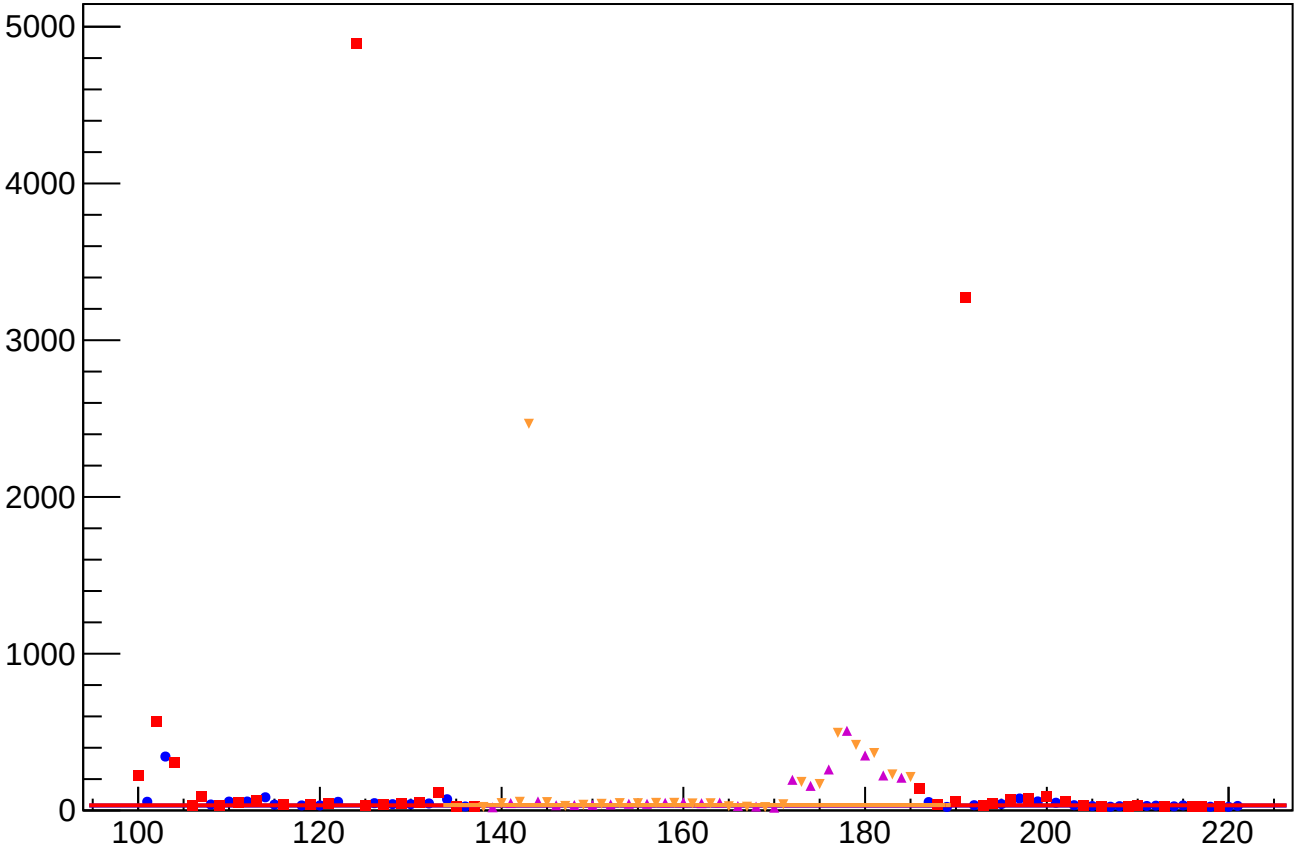
Right: 0.007+/-0.006 χ^2/NDF: 74.5/70

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 117.5/118

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: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

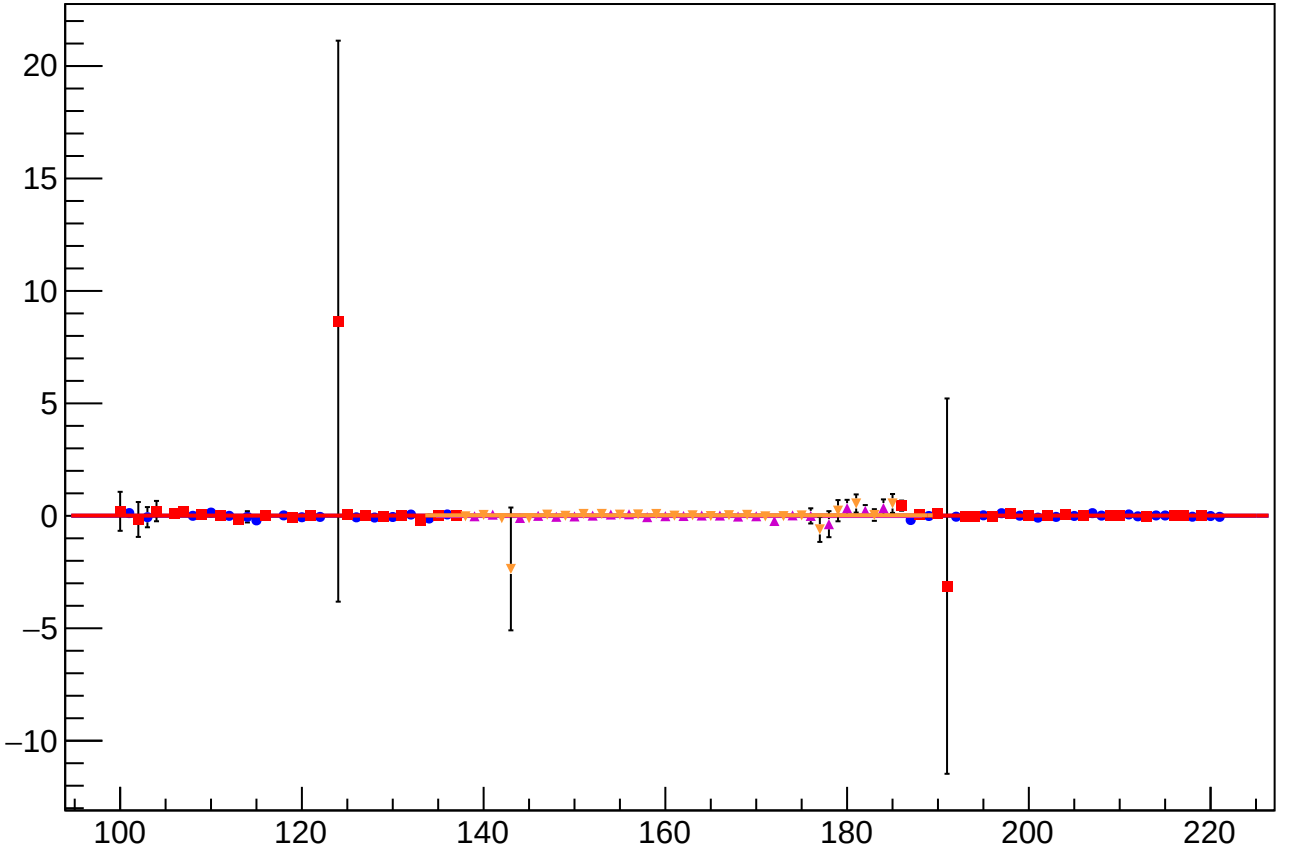
Right: 31.938+/-0.004 χ^2/NDF: 11085291.1/70

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 32.782+/-0.003 χ^2/NDF: 32677374.9/118

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: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

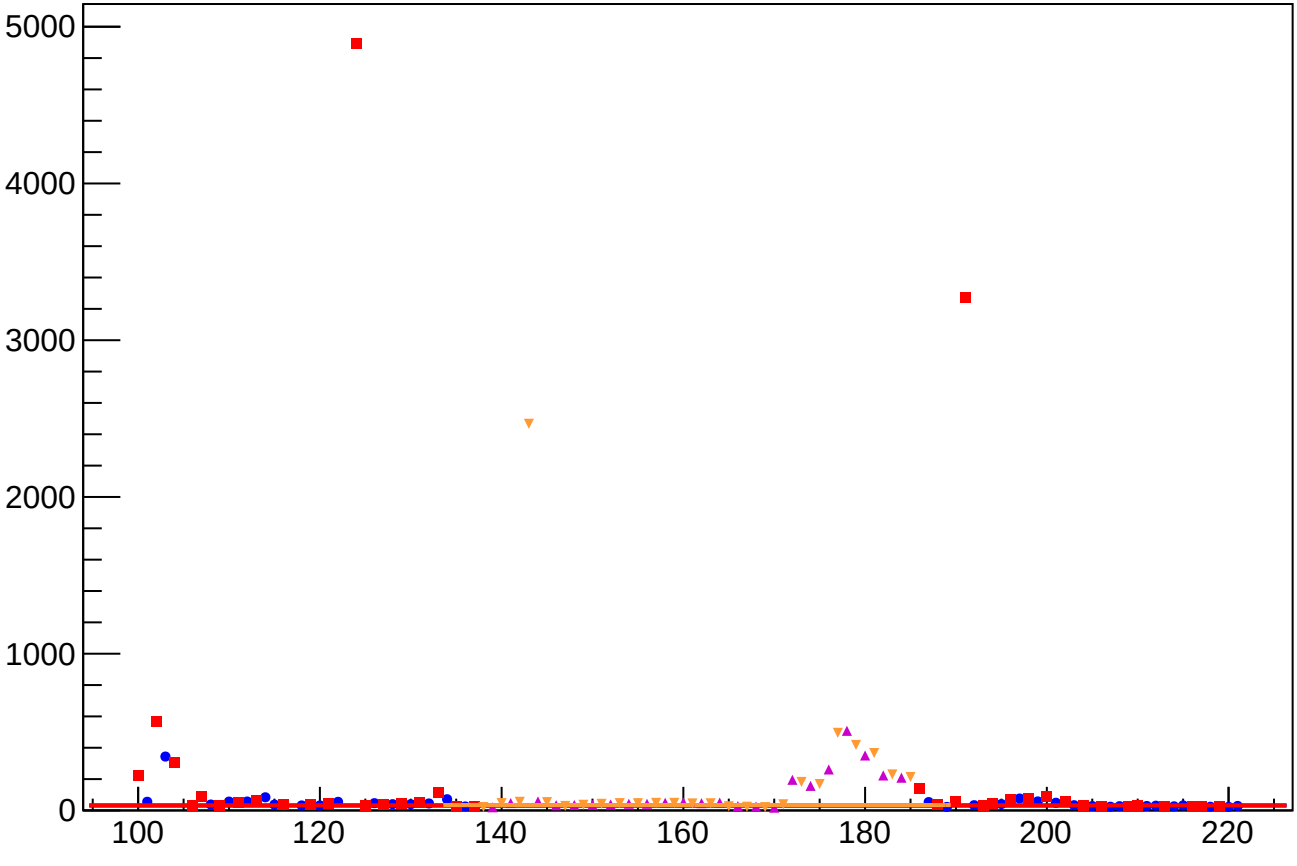
Right: 0.007+/-0.006 χ^2/NDF: 74.5/70

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 117.5/118

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: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

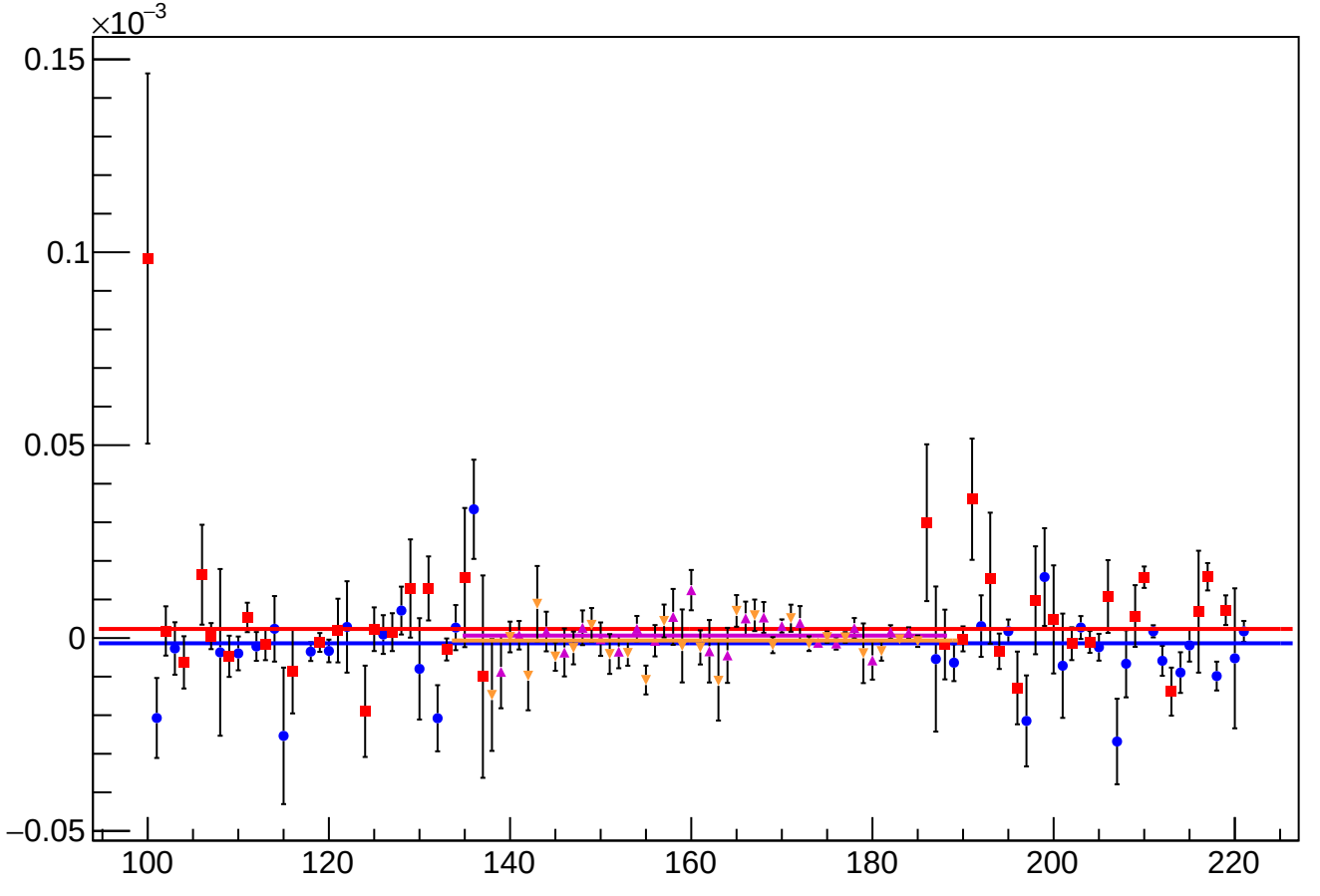
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 31.938+/-0.004 χ^2/NDF: 11085291.1/70

In: 32.086+/-0.004 χ^2/NDF:14321149.4/56

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 32.782+/-0.003 χ^2/NDF: 32677374.9/118



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: 85.6/36

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

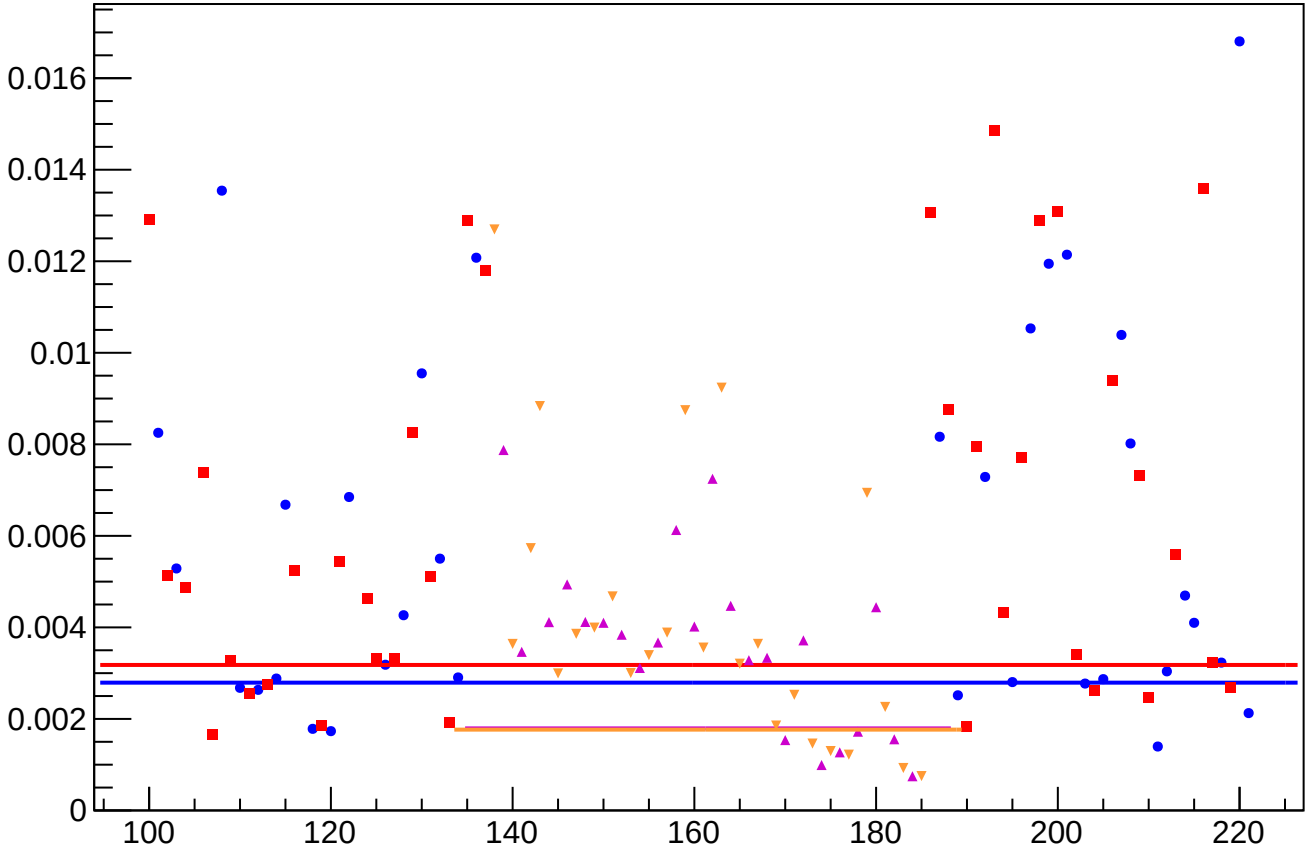
Right: 0.000+/-0.000 χ^2/NDF: 148.0/70

In: -0.000+/-0.000 χ^2/NDF:78.1/56

Out: 0.000+/-0.000 χ^2/NDF:123.2/61

All: 0.000+/-0.000 χ^2/NDF: 201.5/118

asym_at1_dd_at2_dd_avg_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: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

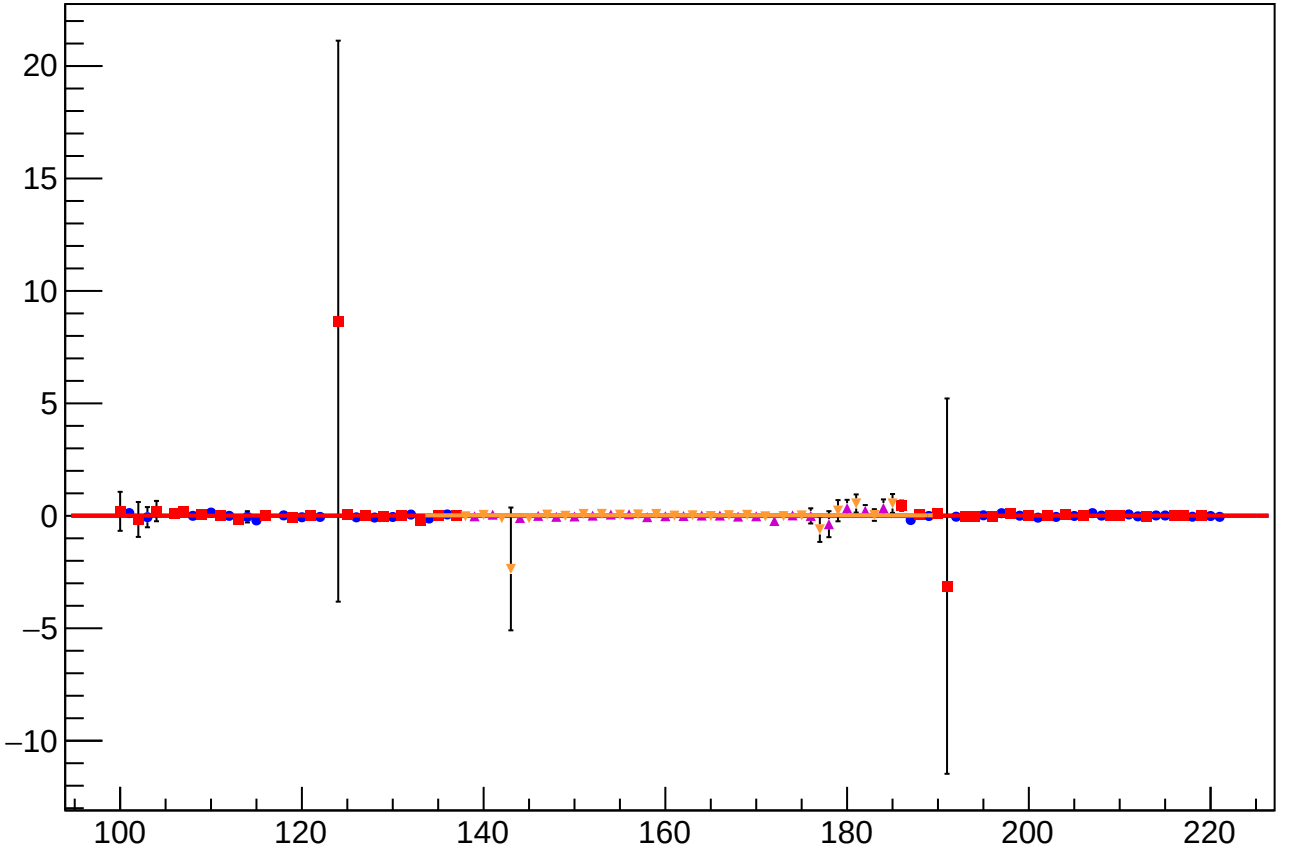
Right: 0.003+/-0.000 χ^2/NDF: 24734585.5/70

In: 0.002+/-0.000 χ^2/NDF:25947141.6/56

Out: 0.002+/-0.000 χ^2/NDF:28698438.0/61

All: 0.002+/-0.000 χ^2/NDF: 54646647.9/118

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: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

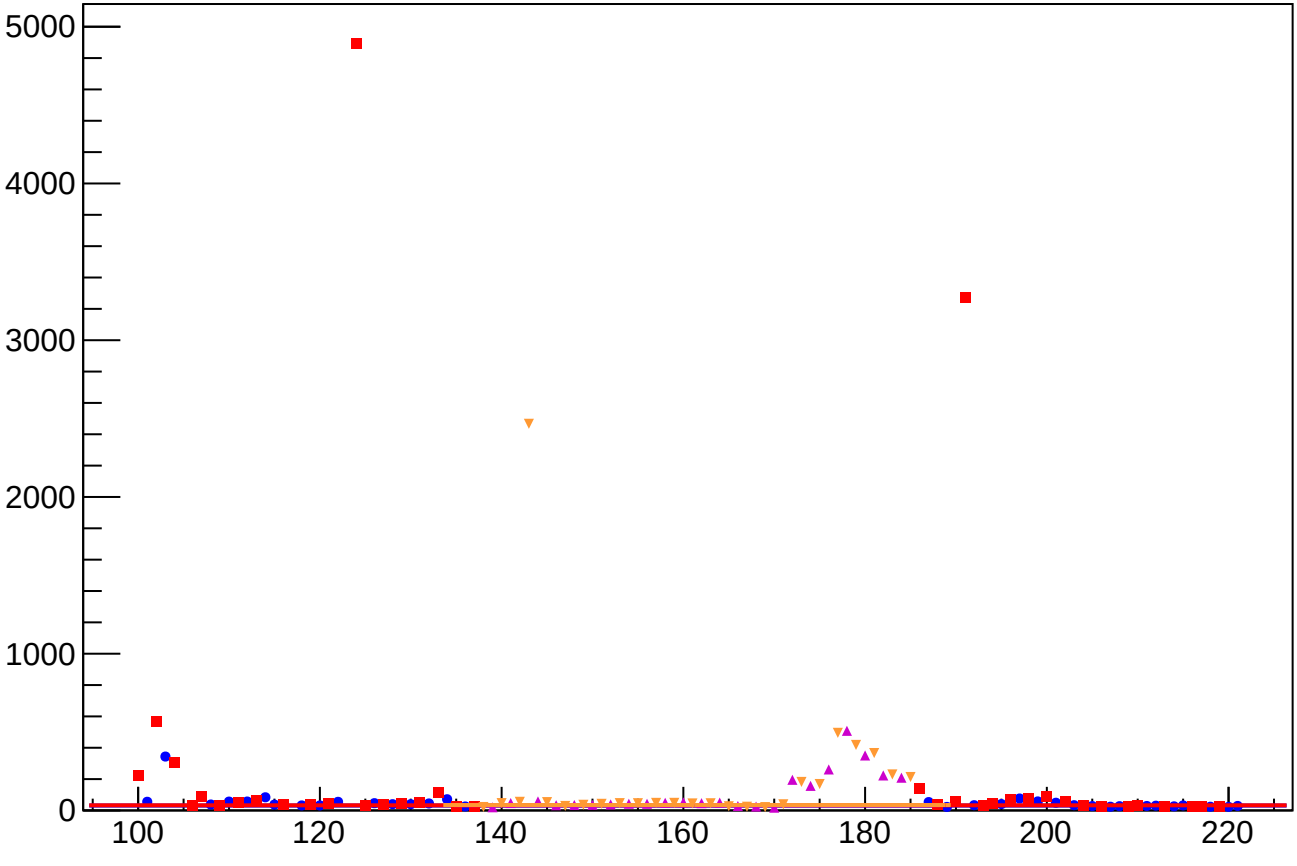
Right: 0.007+/-0.006 χ^2/NDF: 74.5/70

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 117.5/118

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: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

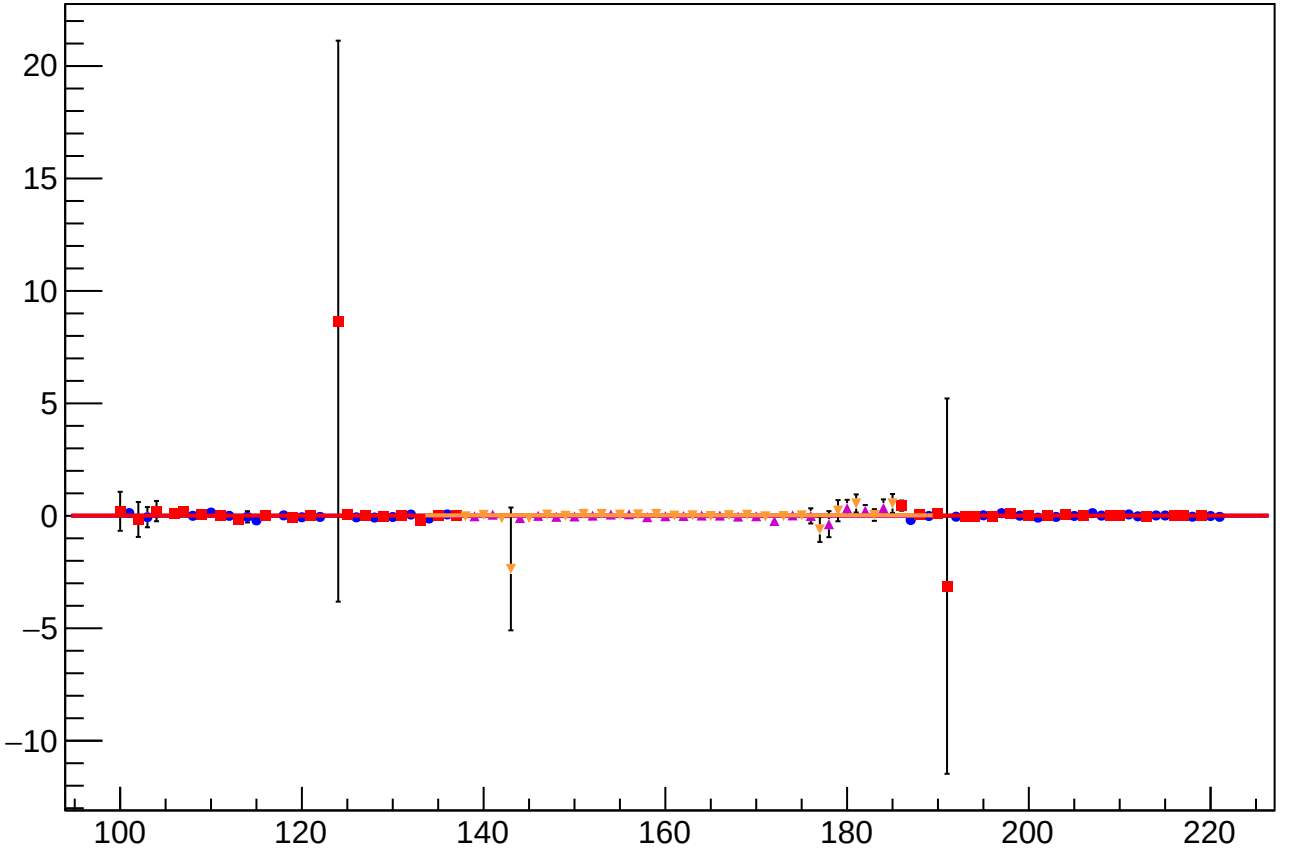
Right: 31.939+/-0.004 χ^2/NDF: 11083967.0/70

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 32.783+/-0.003 χ^2/NDF: 32674749.4/118

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: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

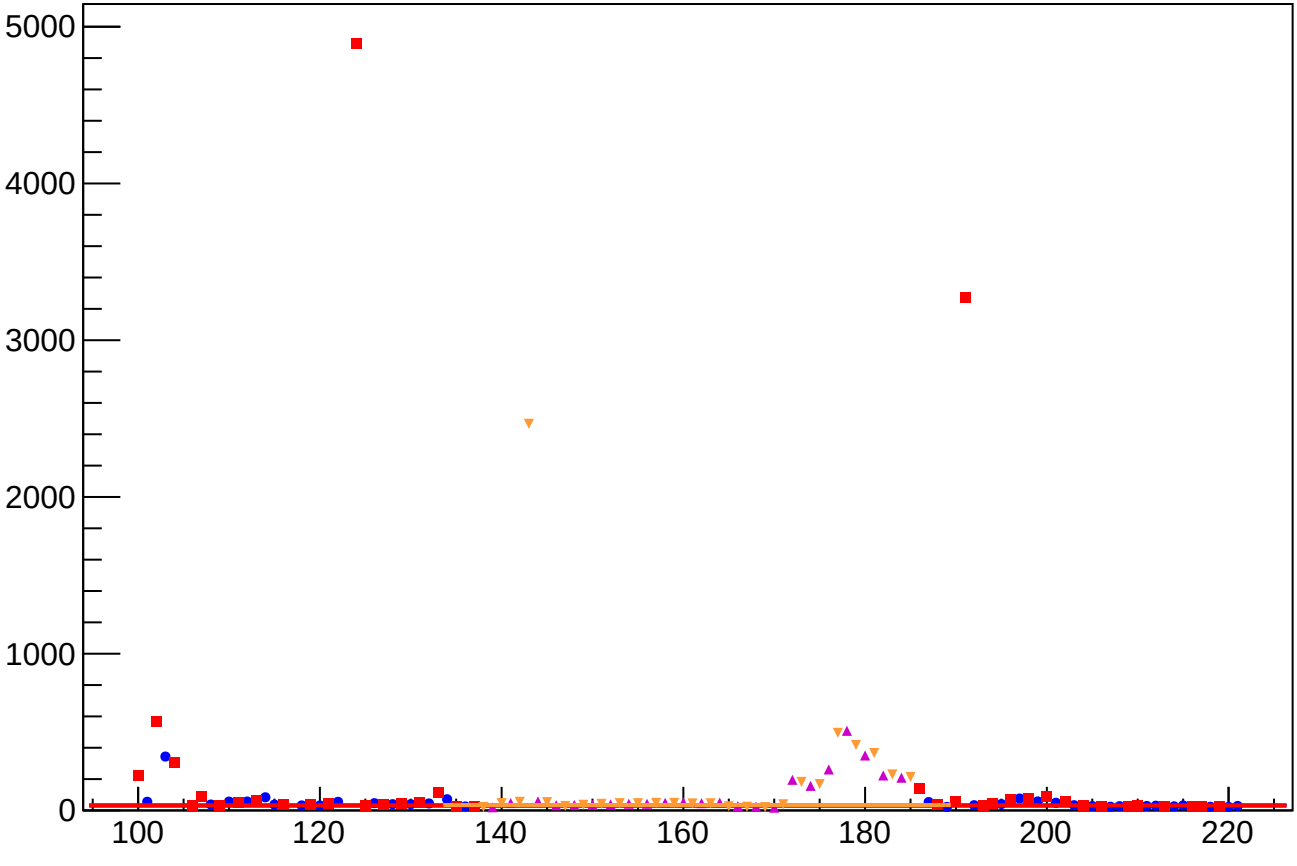
Right: 0.007+/-0.006 χ^2/NDF: 74.5/70

In: -0.001+/-0.006 χ^2/NDF:65.6/56

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 117.5/118

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: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

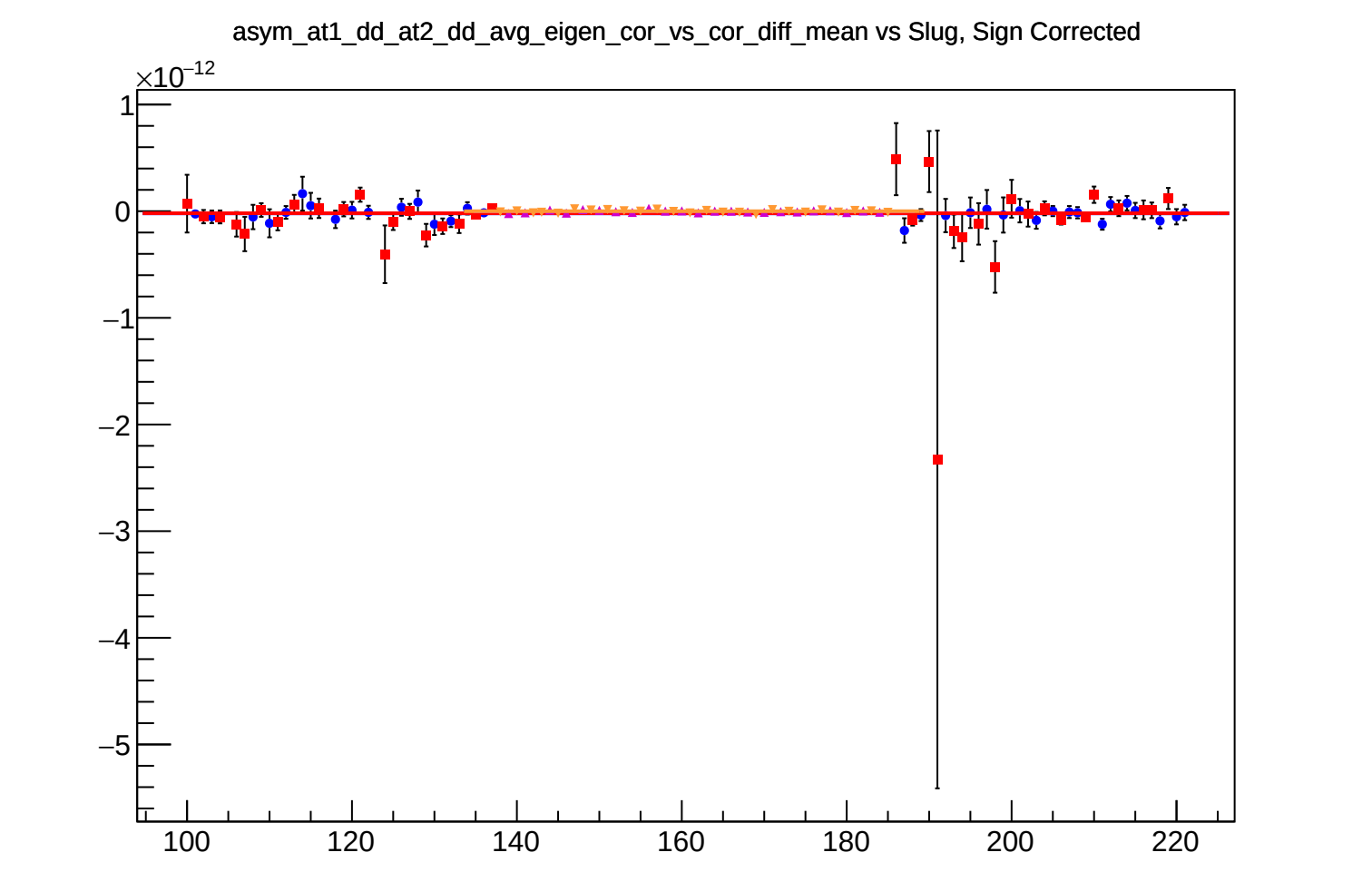
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 31.939+/-0.004 χ^2/NDF: 11083967.0/70

In: 32.089+/-0.004 χ^2/NDF:14318716.6/56

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 32.783+/-0.003 χ^2/NDF: 32674749.4/118



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

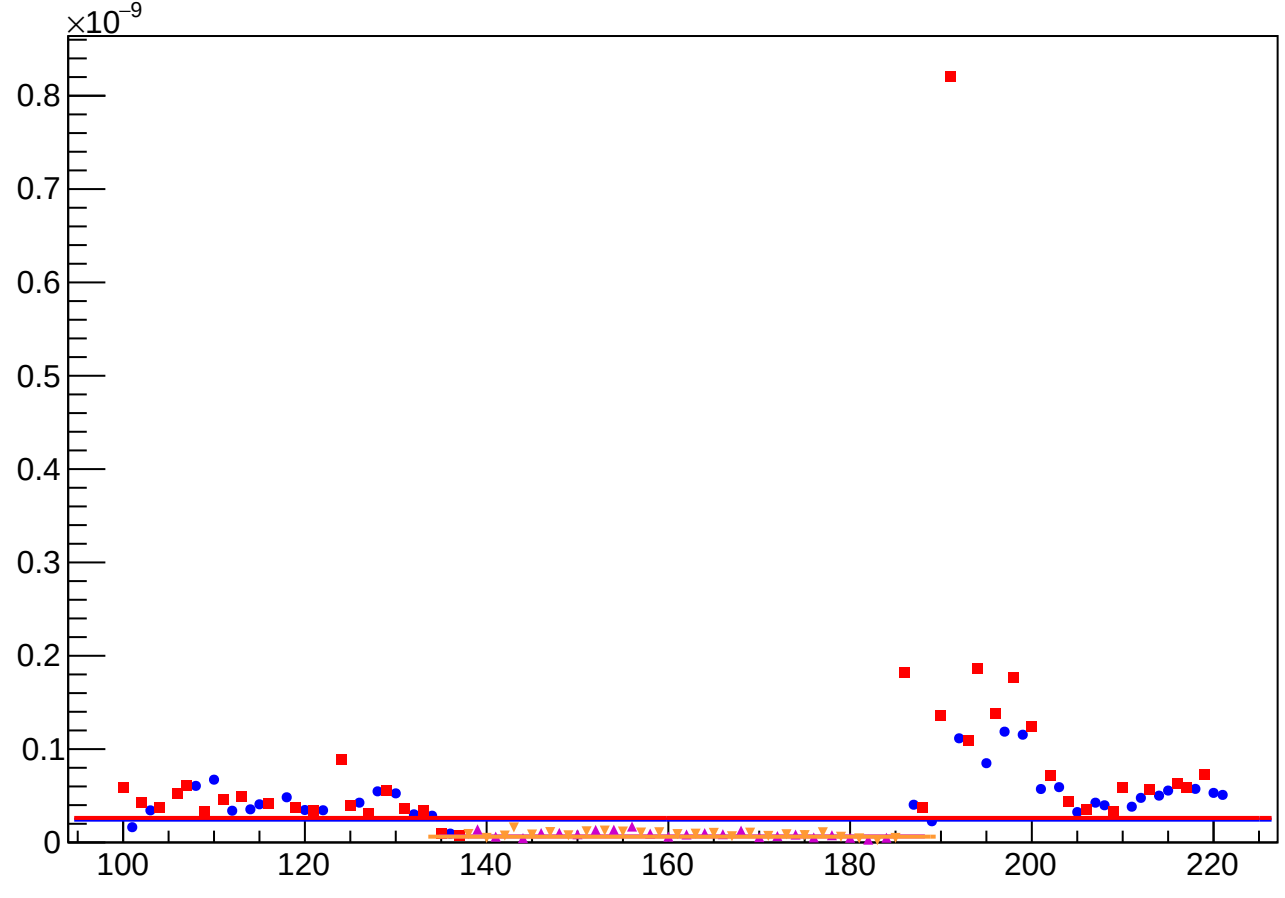
Right: -0.000+/-0.000 χ^2/NDF: 73.2/70

In: -0.000+/-0.000 χ^2/NDF:44.7/56

Out: -0.000+/-0.000 χ^2/NDF:82.7/61

All: -0.000+/-0.000 χ^2/NDF: 127.9/118

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: 11712452.7/36

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

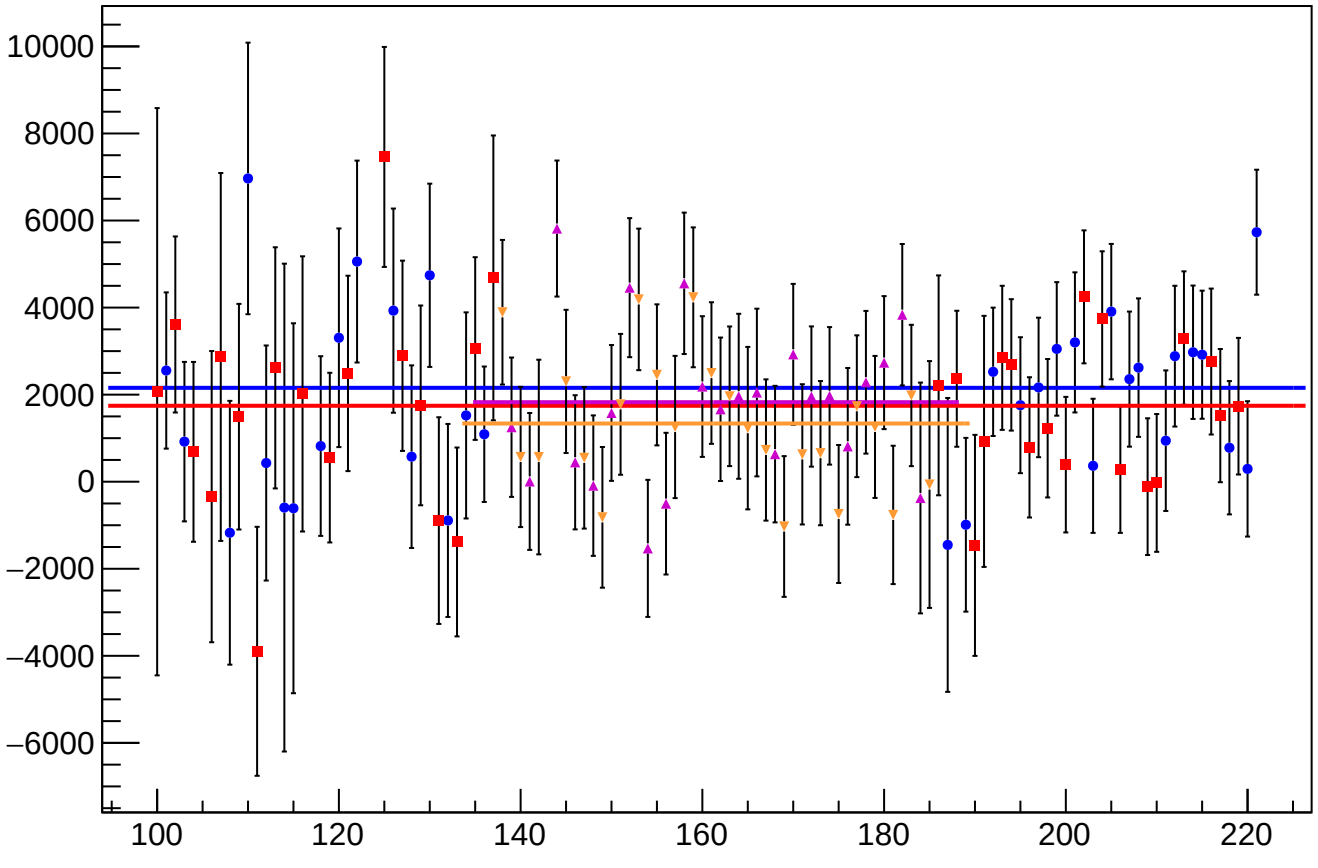
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 21363490.4/70

In: 0.000+/-0.000 χ^2/NDF:21914249.1/56

Out: 0.000+/-0.000 χ^2/NDF:25199543.3/61

All: 0.000+/-0.000 χ^2/NDF: 47167845.9/118



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: 1744.470+/-325.278 χ^2/NDF: 29.3/35

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

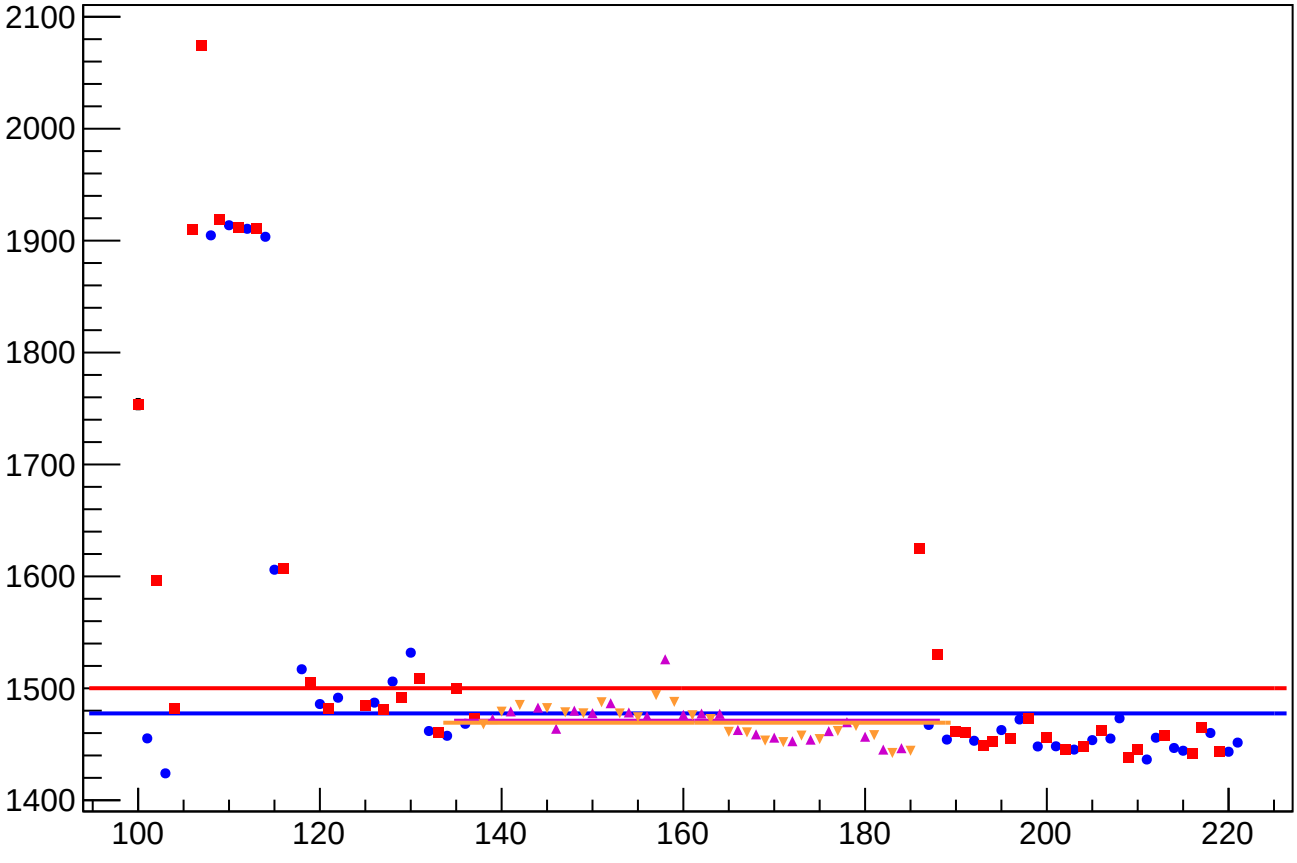
Right: 1957.325+/-226.230 χ^2/NDF: 59.6/69

In: 2006.007+/-232.097 χ^2/NDF:56.4/56

Out: 1550.356+/-235.372 χ^2/NDF:49.2/59

All: 1781.374+/-165.263 χ^2/NDF: 107.6/116

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: 1500.095+/-0.230 χ^2/NDF: 249309.2/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

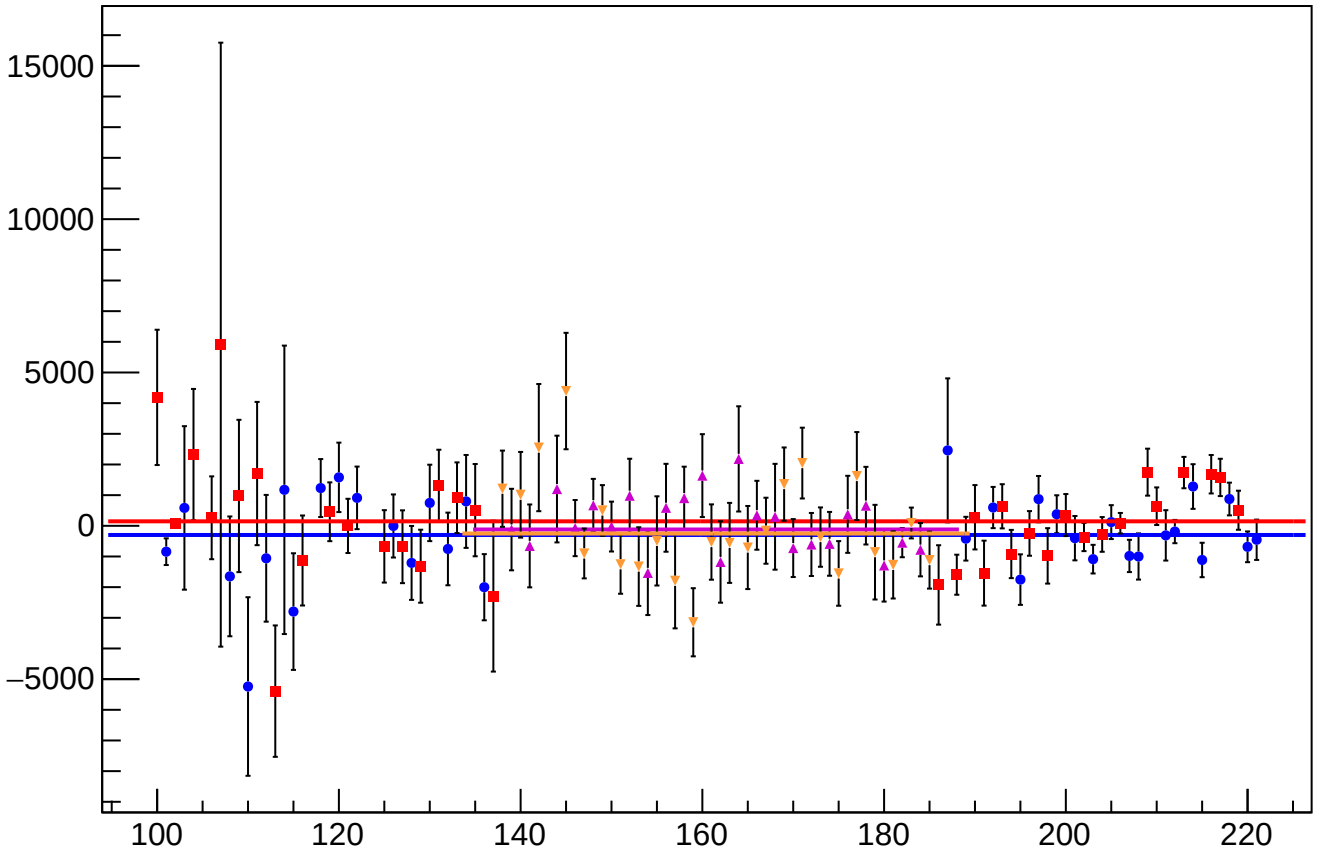
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1488.470+/-0.160 χ^2/NDF: 412448.1/69

In: 1474.599+/-0.164 χ^2/NDF:163225.8/56

Out: 1485.408+/-0.166 χ^2/NDF:261022.6/59

All: 1479.928+/-0.117 χ^2/NDF: 426386.8/116



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: 146.396+/-96.427 χ^2/NDF: 63.1/35

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

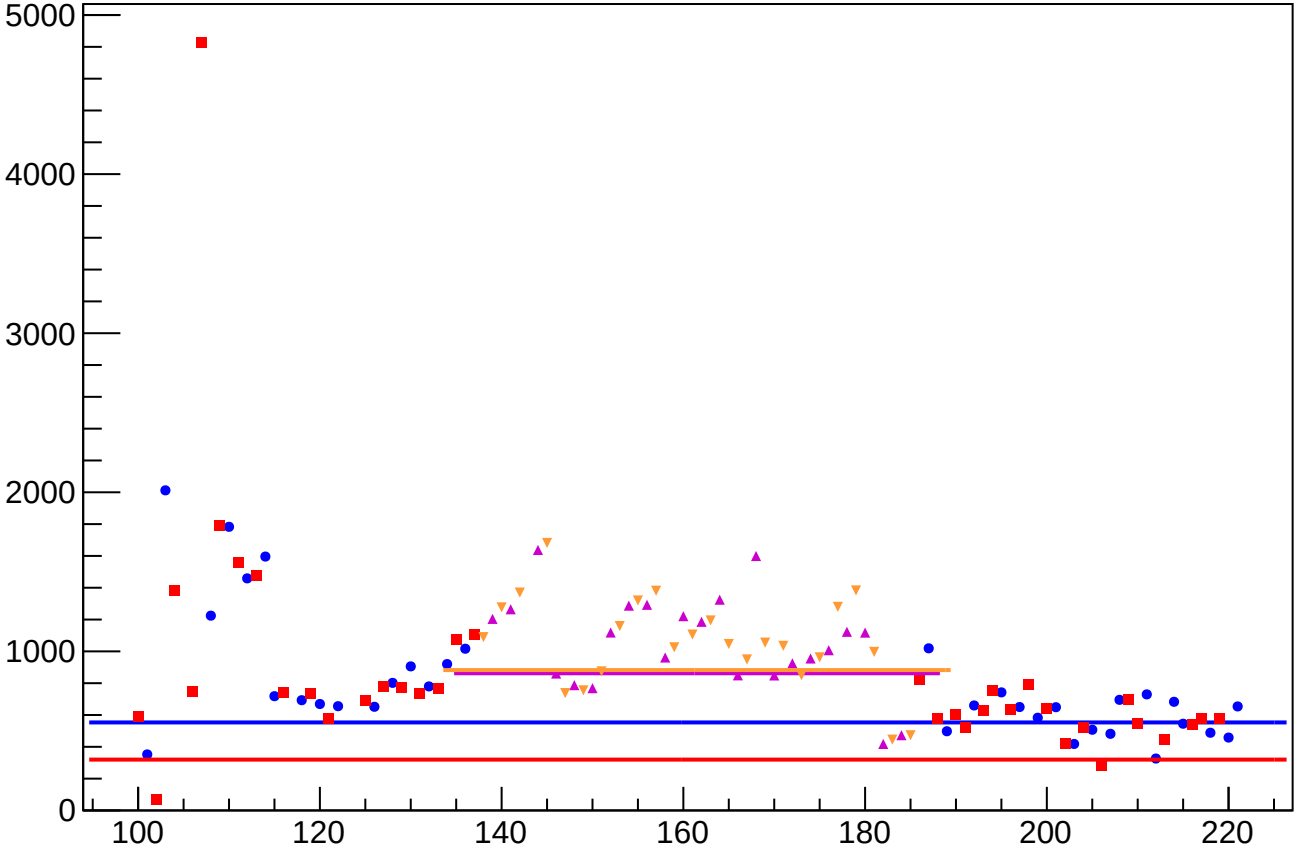
Right: -16.535+/-76.771 χ^2/NDF: 117.5/69

In: -252.732+/-109.395 χ^2/NDF:59.9/56

Out: 81.453+/-88.209 χ^2/NDF:98.6/59

All: -50.218+/-68.667 χ^2/NDF: 164.1/116

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: 319.667+/-0.068 χ^2/NDF: 17699798.2/35

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

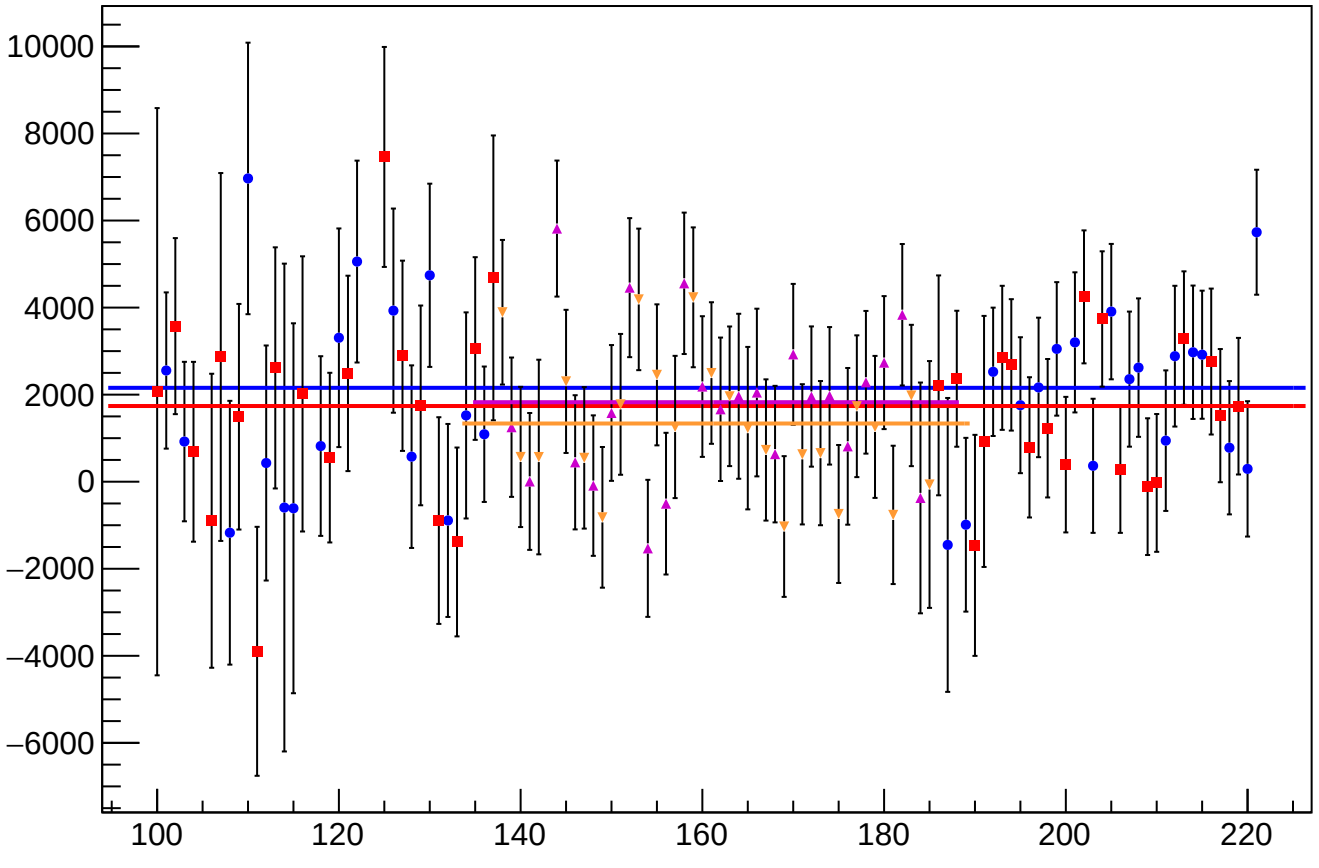
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 405.203+/-0.054 χ^2/NDF: 26648850.5/69

In: 632.566+/-0.077 χ^2/NDF:12064000.9/56

Out: 411.494+/-0.062 χ^2/NDF:32716701.1/59

All: 498.598+/-0.049 χ^2/NDF: 49730293.9/11



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: 1738.698+/-325.309 χ^2/NDF: 29.5/35

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

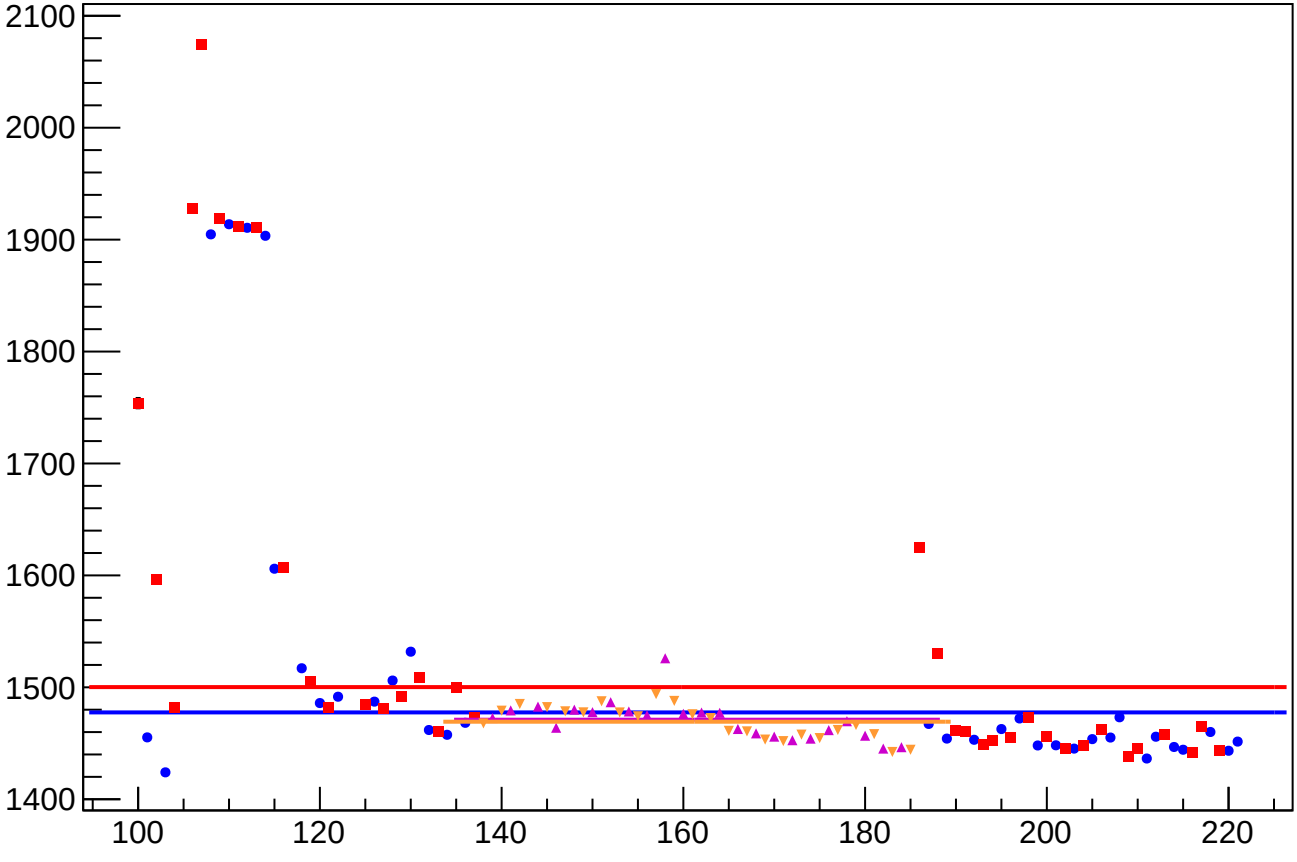
Right: 1954.581+/-226.241 χ^2/NDF: 59.8/69

In: 2006.057+/-232.097 χ^2/NDF:56.4/56

Out: 1547.320+/-235.384 χ^2/NDF:49.4/59

All: 1779.914+/-165.267 χ^2/NDF: 107.7/116

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: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

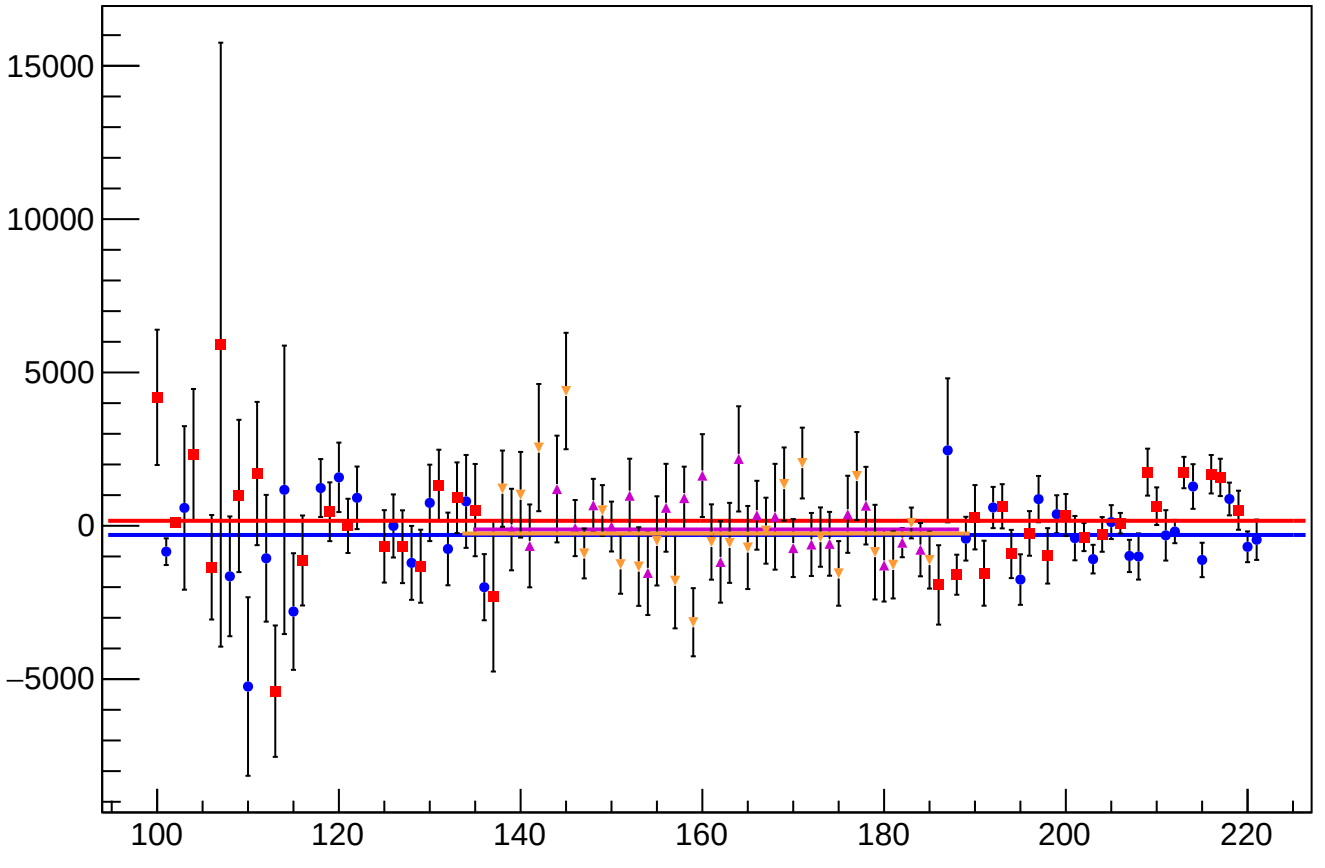
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1488.517+/-0.160 χ^2/NDF: 414631.1/69

In: 1474.599+/-0.164 χ^2/NDF:163225.7/56

Out: 1485.460+/-0.166 χ^2/NDF:263217.0/59

All: 1479.953+/-0.117 χ^2/NDF: 428601.4/116



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: 163.108+/-100.692 χ^2/NDF: 63.6/35

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

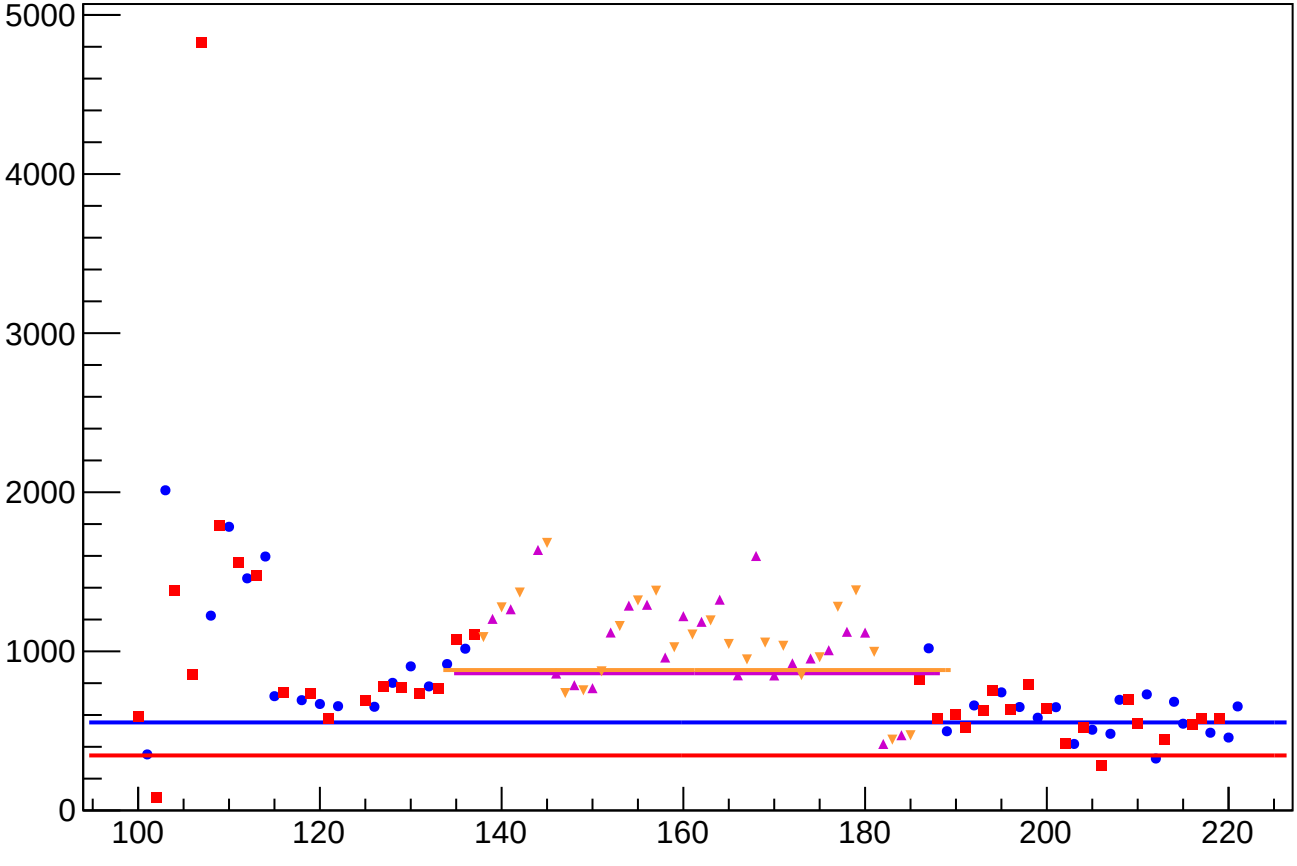
Right: -15.337+/-78.871 χ^2/NDF: 118.3/69

In: -252.768+/-109.394 χ^2/NDF:59.9/56

Out: 90.394+/-91.439 χ^2/NDF:99.3/59

All: -50.751+/-70.158 χ^2/NDF: 165.0/116

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: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

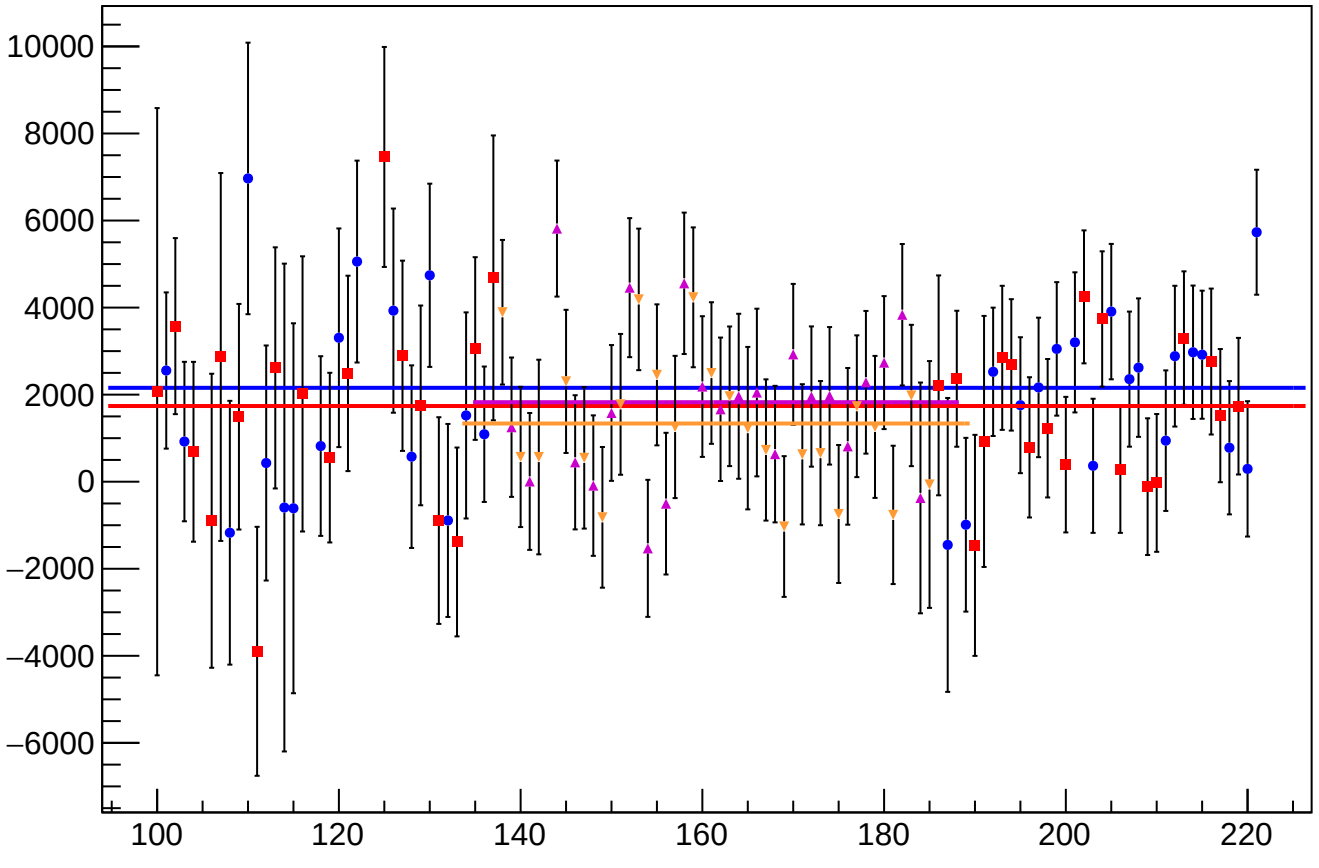
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 425.947+/-0.056 χ^2/NDF: 23970647.2/69

In: 632.554+/-0.077 χ^2/NDF:12064851.9/56

Out: 439.849+/-0.065 χ^2/NDF:29899870.5/59

All: 519.110+/-0.050 χ^2/NDF: 45618297.3/11



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: 1738.698+/-325.309 χ^2/NDF: 29.5/35

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

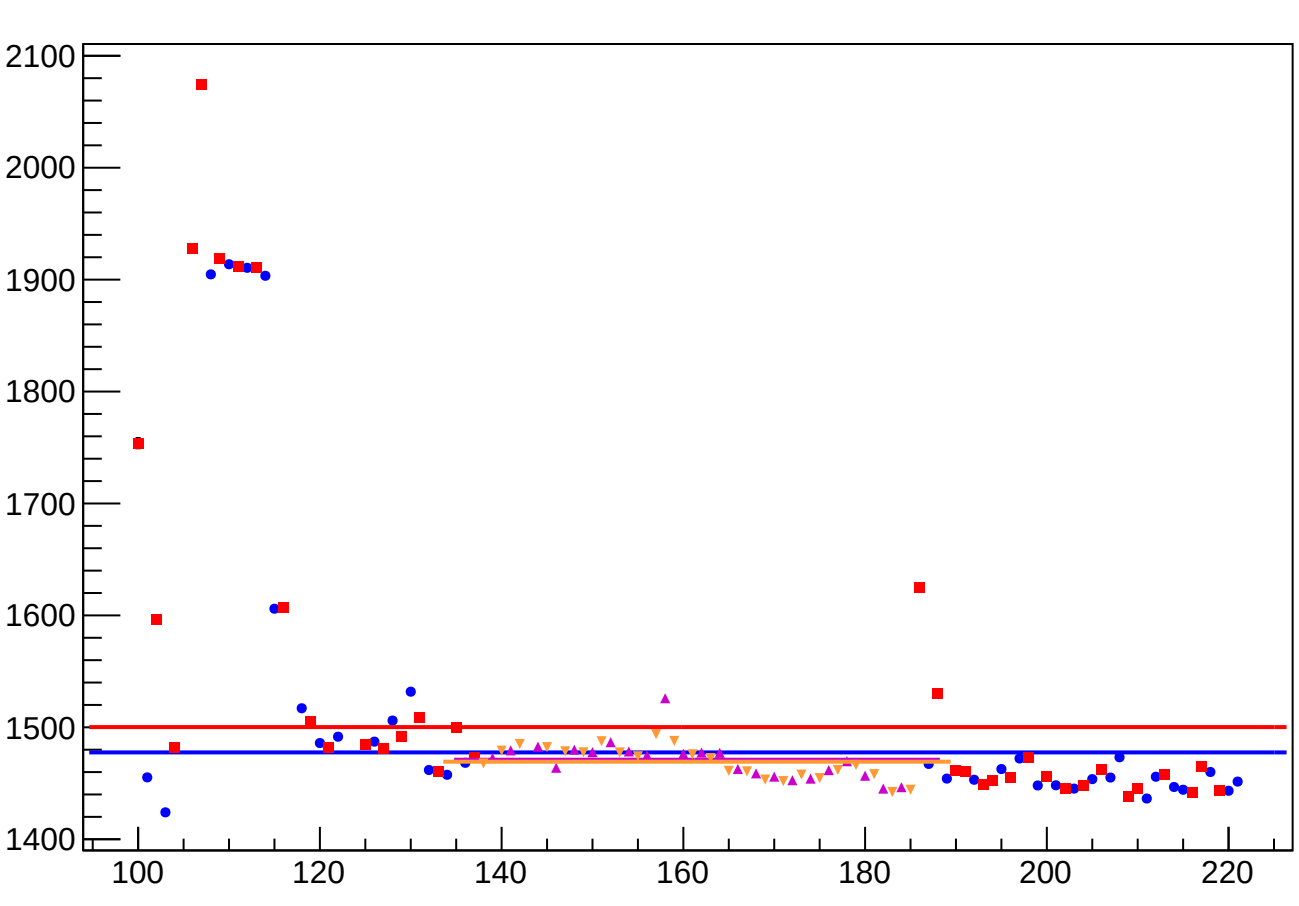
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1954.581+/-226.241 χ^2/NDF: 59.8/69

In: 2006.057+/-232.097 χ^2/NDF:56.4/56

Out: 1547.320+/-235.384 χ^2/NDF:49.4/59

All: 1779.914+/-165.267 χ^2/NDF: 107.7/116



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: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

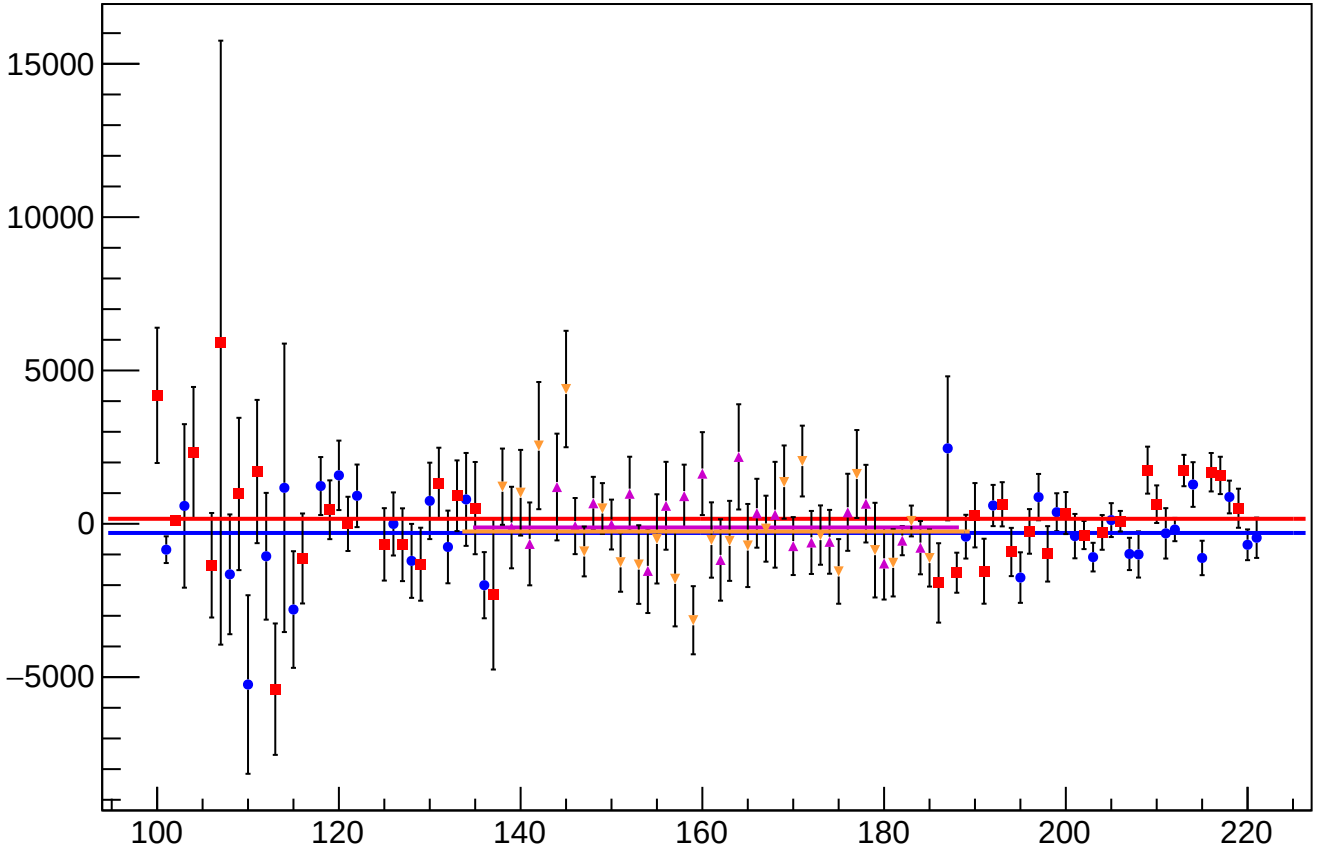
Right: 1488.517+/-0.160 χ^2/NDF: 414631.1/69

In: 1474.599+/-0.164 χ^2/NDF:163225.7/56

Out: 1485.460+/-0.166 χ^2/NDF:263217.0/59

All: 1479.953+/-0.117 χ^2/NDF: 428601.4/116

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: 163.108+/-100.692 χ^2/NDF: 63.6/35

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

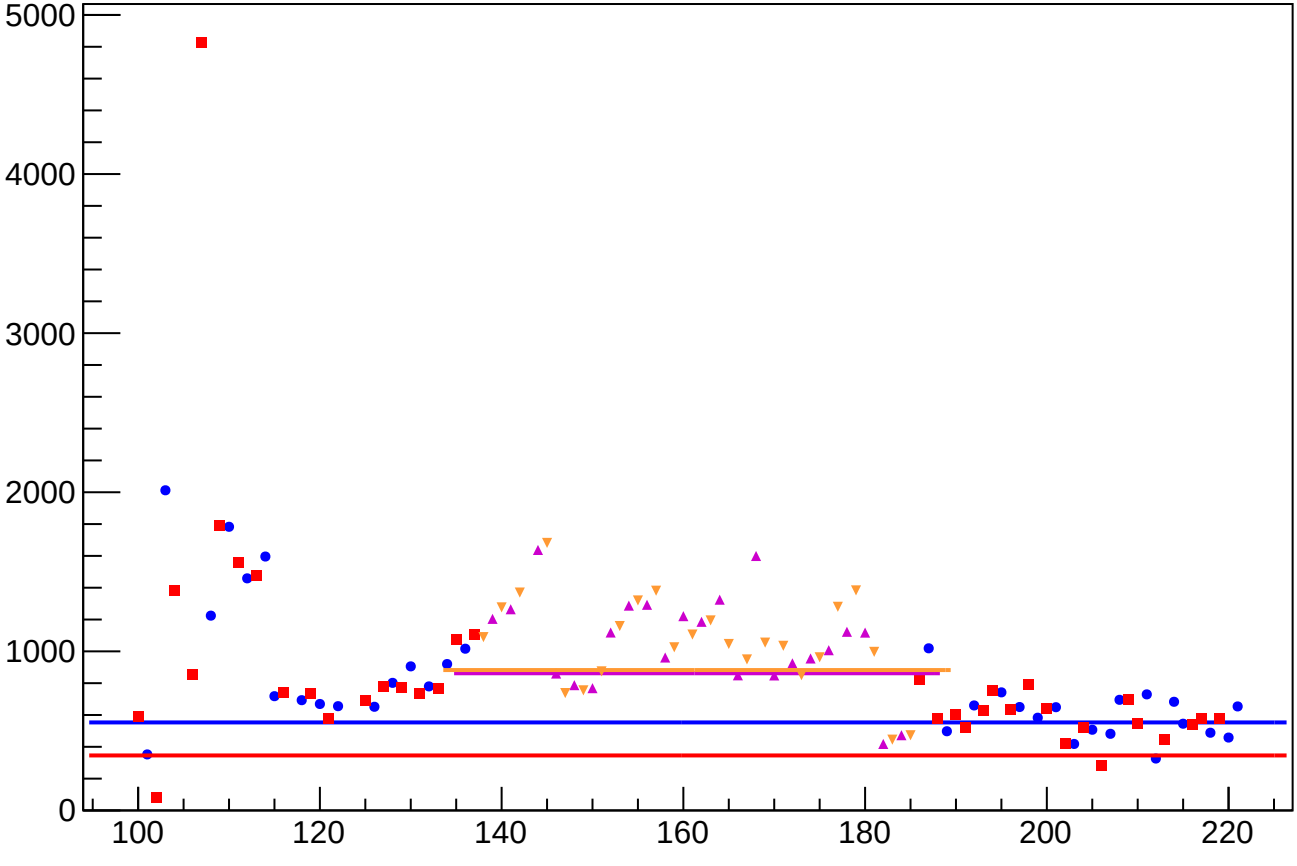
Right: -15.337+/-78.871 χ^2/NDF: 118.3/69

In: -252.768+/-109.394 χ^2/NDF:59.9/56

Out: 90.394+/-91.439 χ^2/NDF:99.3/59

All: -50.751+/-70.158 χ^2/NDF: 165.0/116

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: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

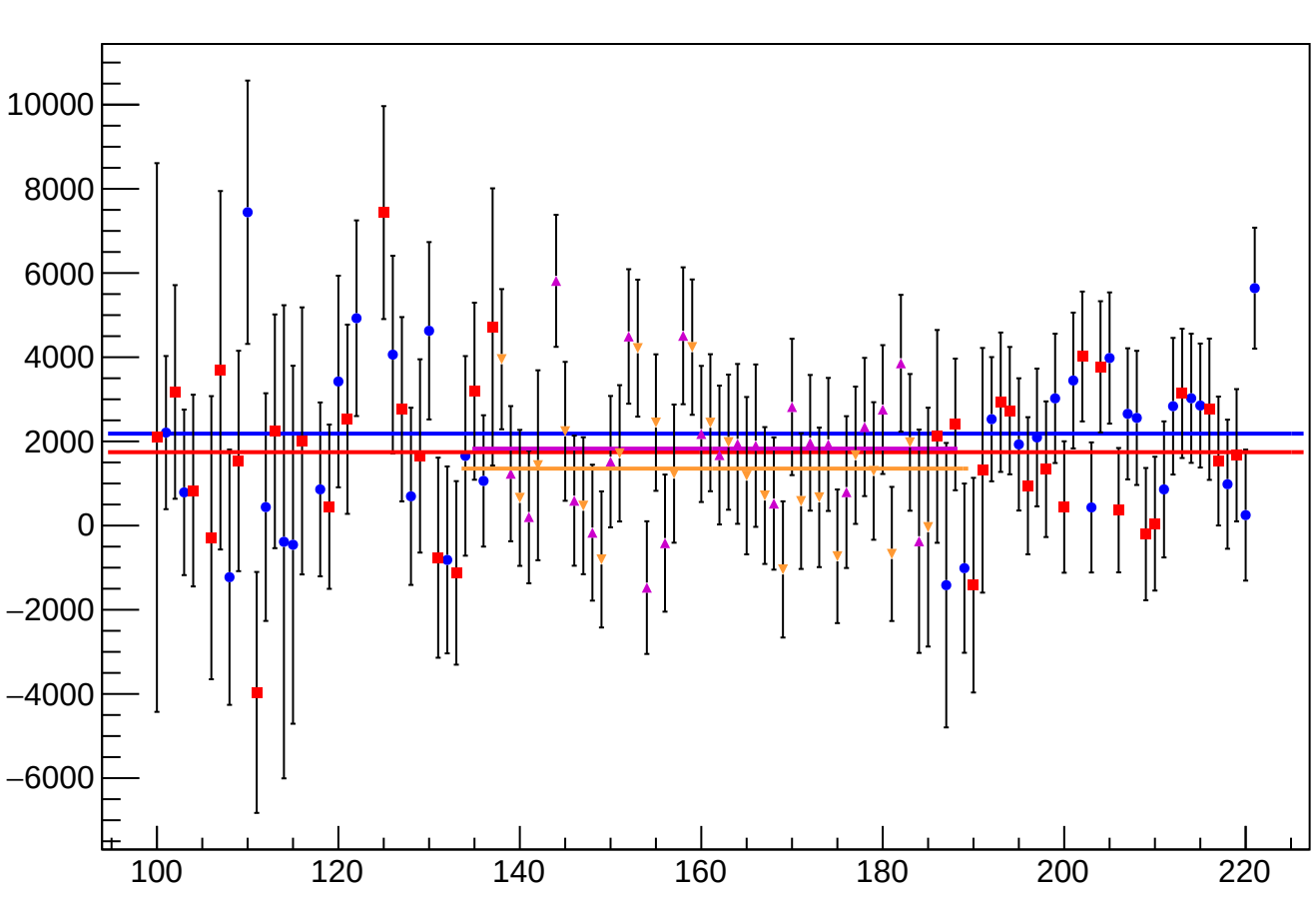
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 425.947+/-0.056 χ^2/NDF: 23970647.2/69

In: 632.554+/-0.077 χ^2/NDF:12064851.9/56

Out: 439.849+/-0.065 χ^2/NDF:29899870.5/59

All: 519.110+/-0.050 χ^2/NDF: 45618297.3/11



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: 1743.877+/-328.841 χ^2/NDF: 27.4/35

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

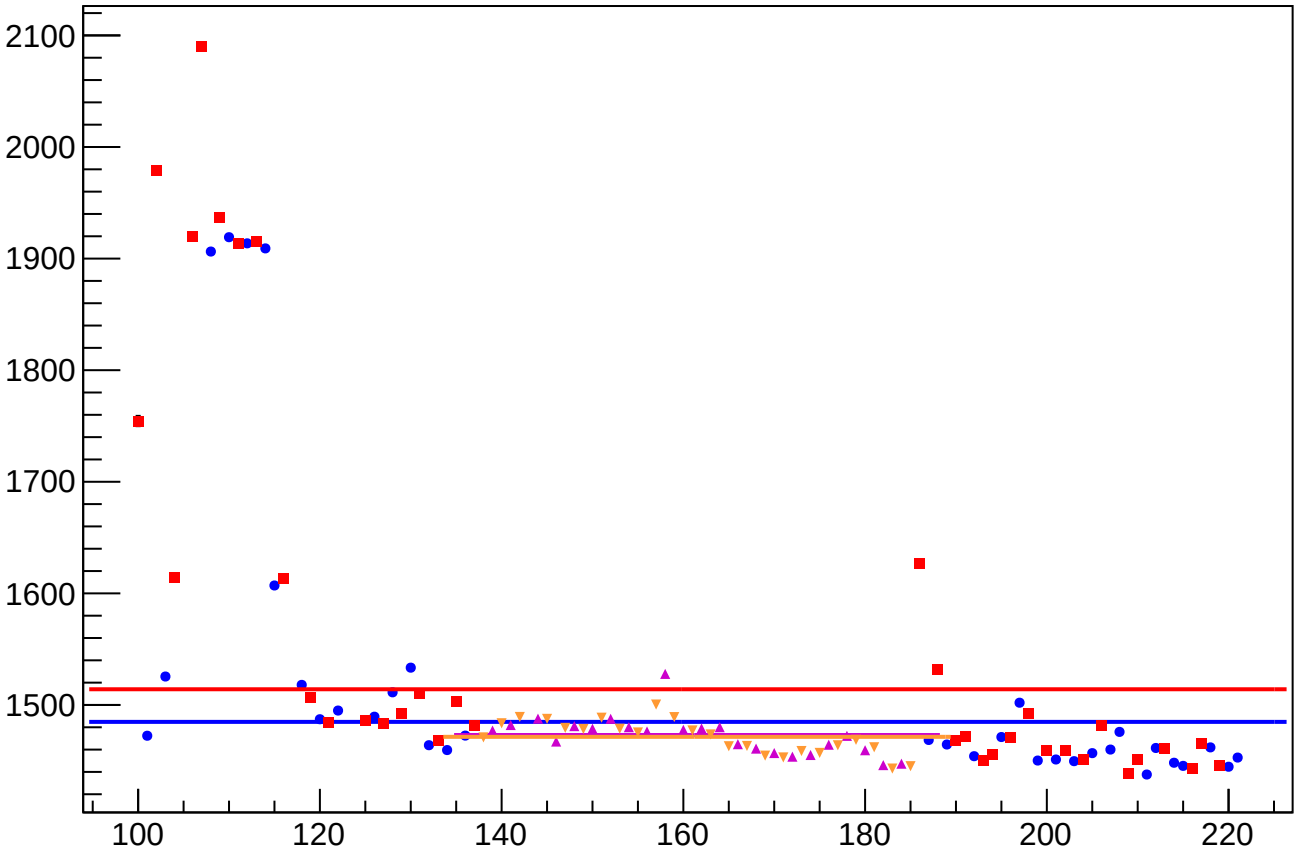
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1972.468+/-228.016 χ^2/NDF: 57.5/69

In: 2020.998+/-232.878 χ^2/NDF:55.6/56

Out: 1556.187+/-236.898 χ^2/NDF:47.0/59

All: 1792.570+/-166.073 χ^2/NDF: 104.6/116



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: 1514.067+/-0.233 χ^2/NDF: 318549.2/35

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

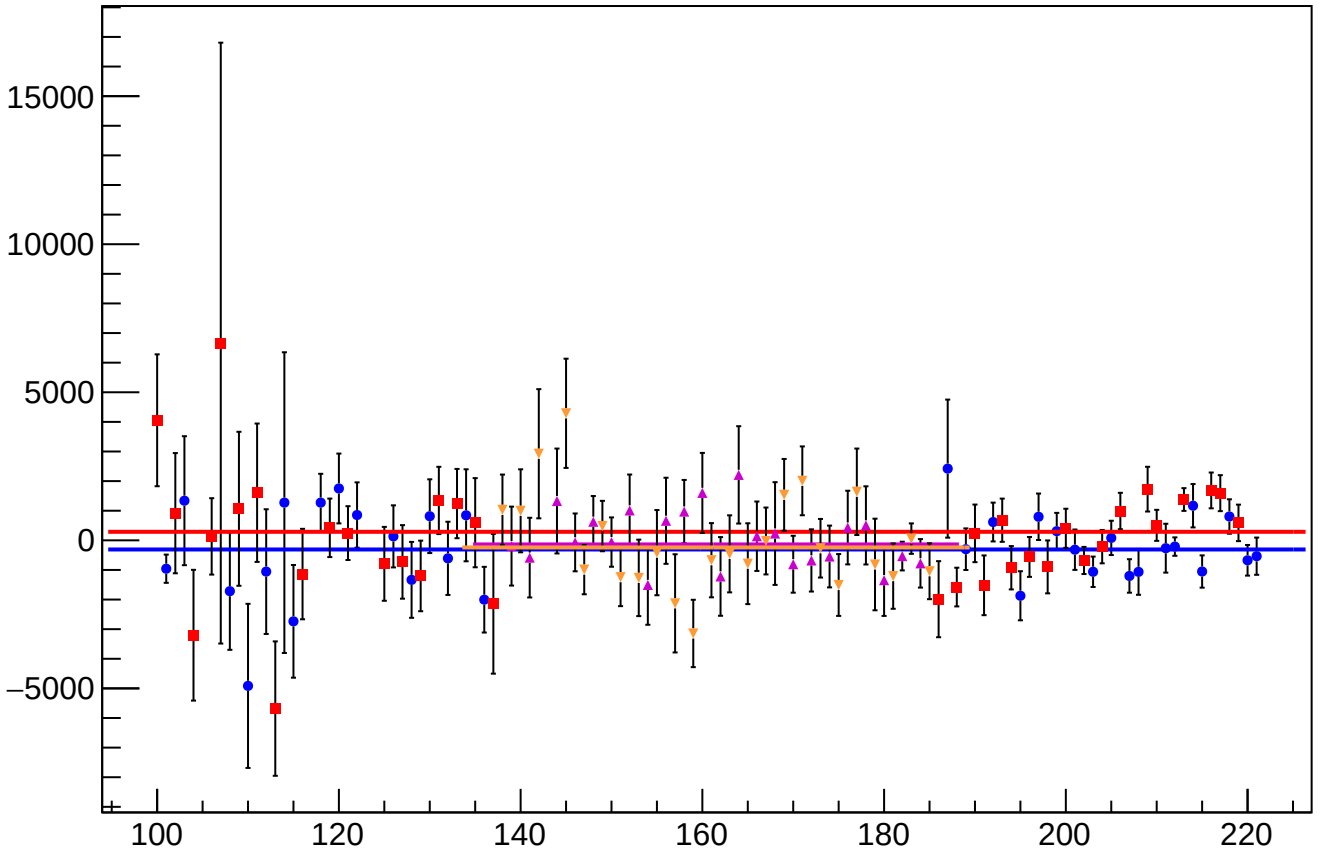
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1498.891+/-0.161 χ^2/NDF: 483800.1/69

In: 1479.434+/-0.165 χ^2/NDF:163070.8/56

Out: 1493.561+/-0.168 χ^2/NDF:338154.2/59

All: 1486.376+/-0.117 χ^2/NDF: 504842.2/116



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: 287.938+/-136.237 χ^2/NDF: 69.3/35

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

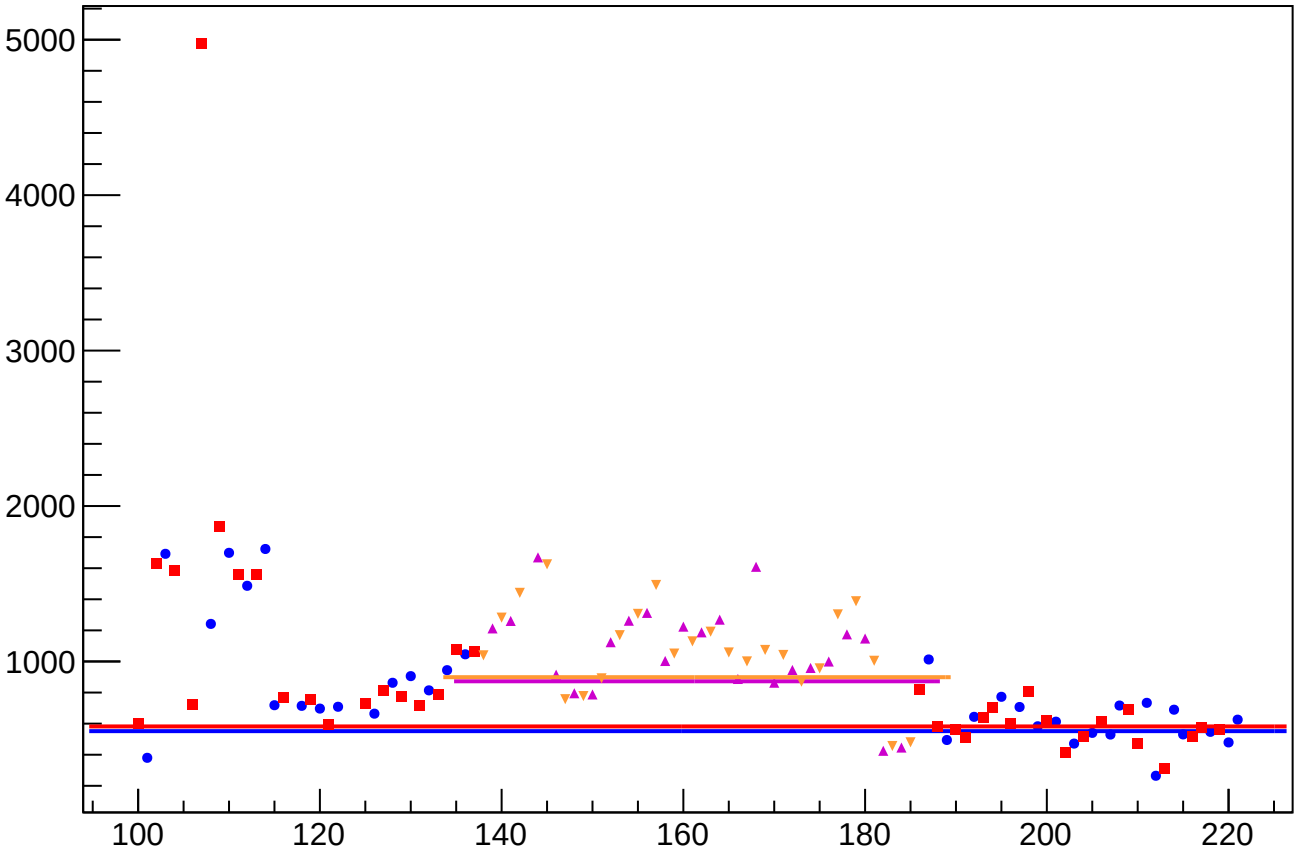
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -32.353+/-92.727 χ^2/NDF: 124.8/69

In: -265.985+/-109.518 χ^2/NDF:58.7/56

Out: 143.234+/-116.085 χ^2/NDF:105.8/59

All: -73.277+/-79.661 χ^2/NDF: 171.1/116



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: 582.035+/-0.096 χ^2/NDF: 4876419.8/35

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

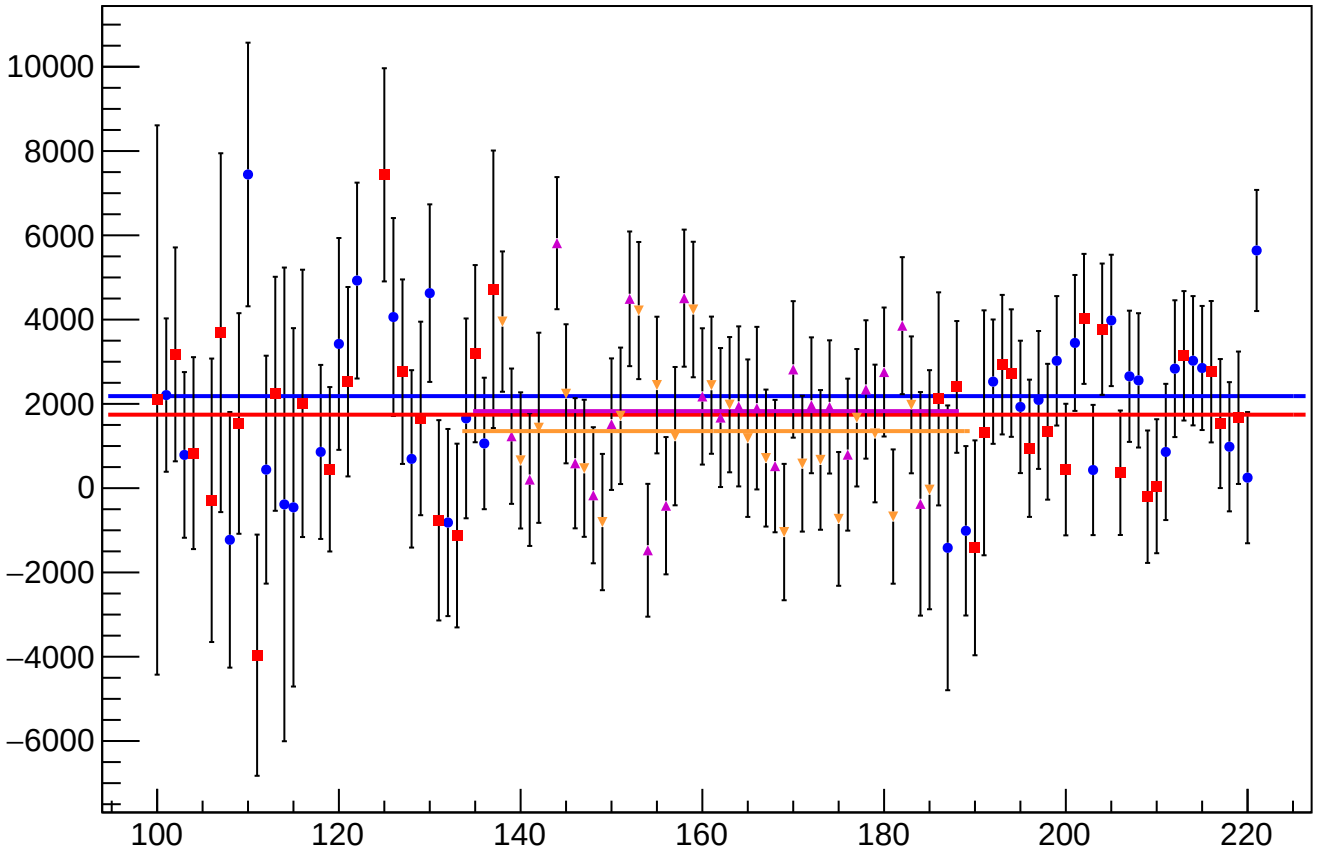
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 565.776+/-0.066 χ^2/NDF: 10342155.5/69

In: 632.335+/-0.077 χ^2/NDF:13075289.6/56

Out: 668.827+/-0.082 χ^2/NDF:11630928.9/59

All: 649.520+/-0.056 χ^2/NDF: 24810789.5/11



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: 1743.877+/-328.841 χ^2/NDF: 27.4/35

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

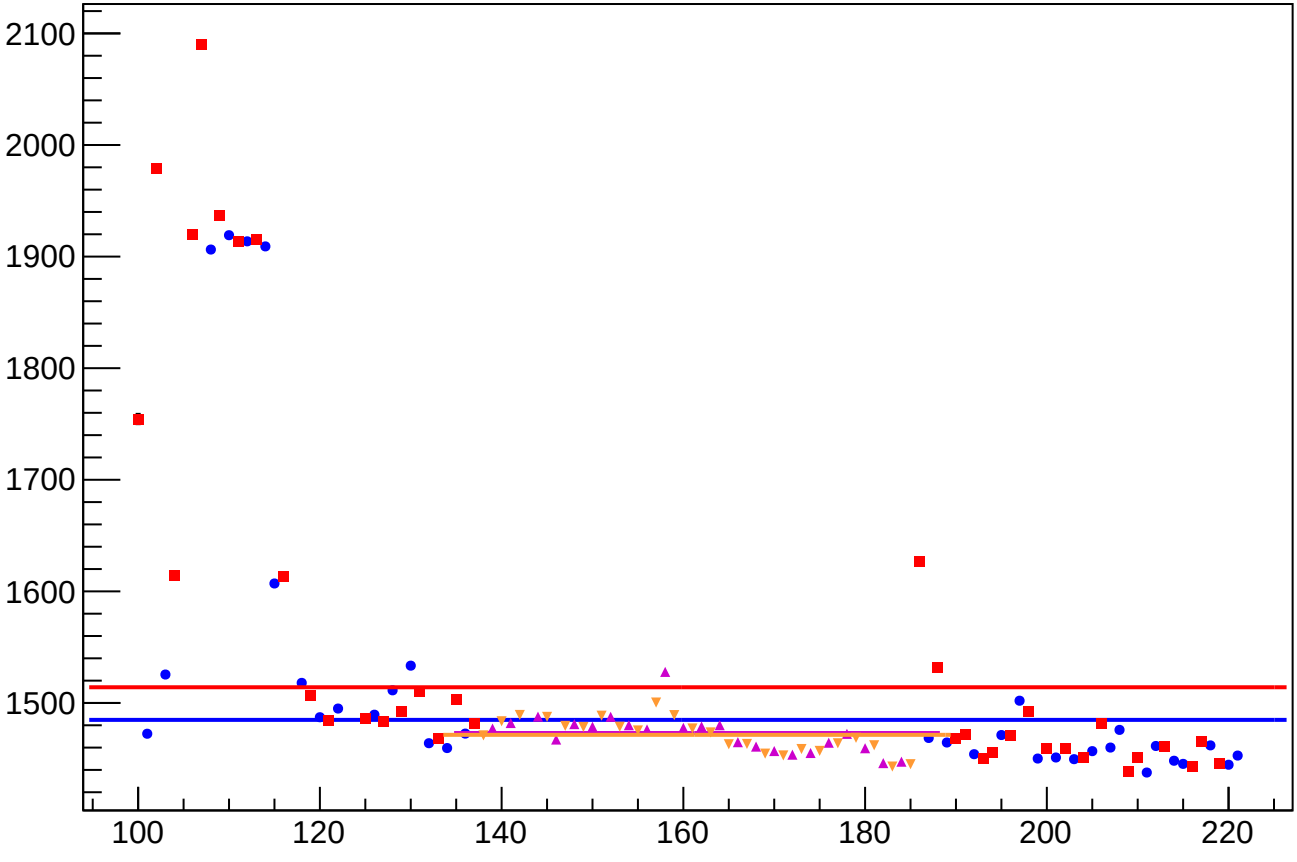
Right: 1972.467+/-228.016 χ^2/NDF: 57.5/69

In: 2020.998+/-232.878 χ^2/NDF:55.6/56

Out: 1556.186+/-236.898 χ^2/NDF:47.0/59

All: 1792.569+/-166.073 χ^2/NDF: 104.6/116

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: 1514.067+/-0.233 χ^2/NDF: 318548.7/35

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

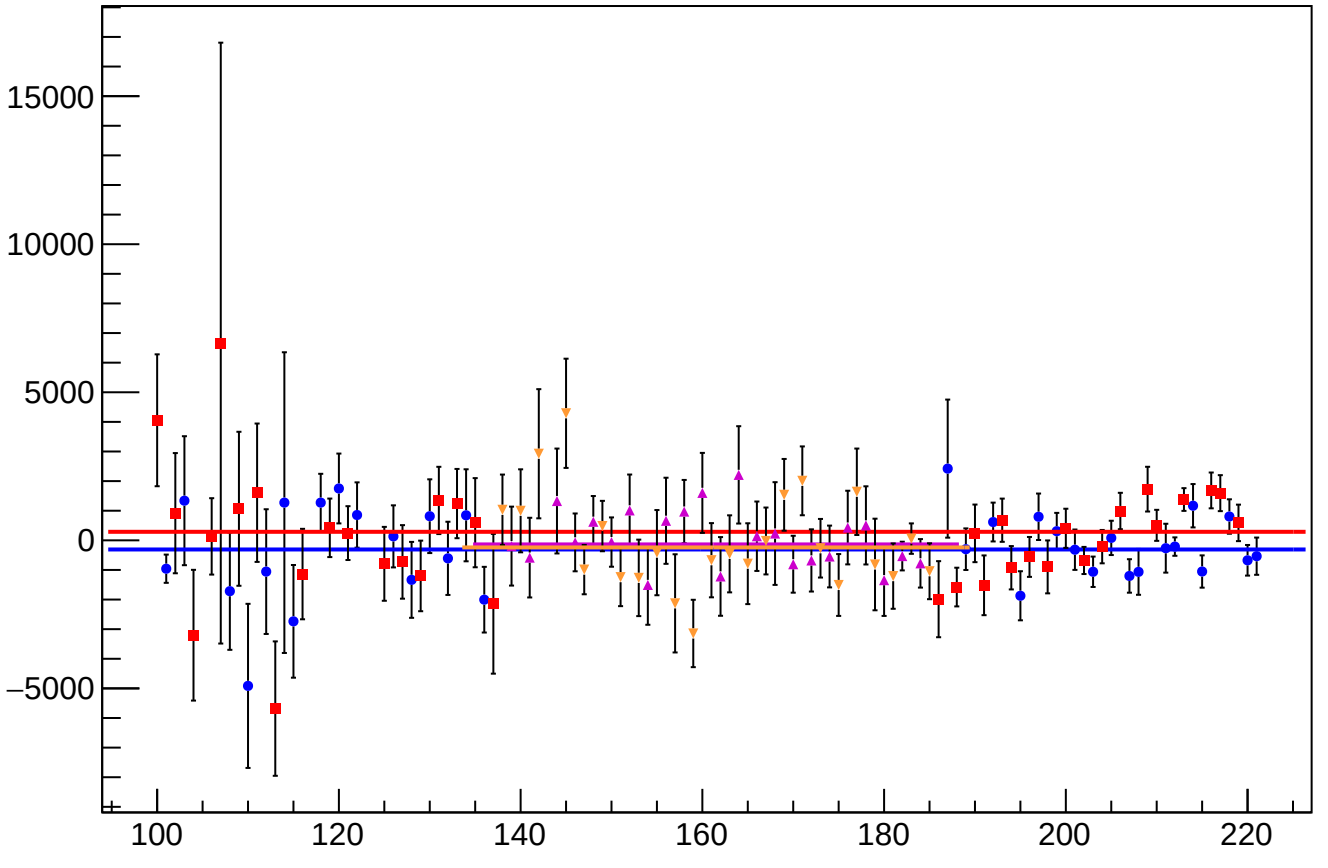
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1498.891+/-0.161 χ^2/NDF: 483799.5/69

In: 1479.434+/-0.165 χ^2/NDF:163070.6/56

Out: 1493.561+/-0.168 χ^2/NDF:338153.7/59

All: 1486.376+/-0.117 χ^2/NDF: 504841.5/116



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: 287.938+/-136.237 χ^2/NDF: 69.3/35

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

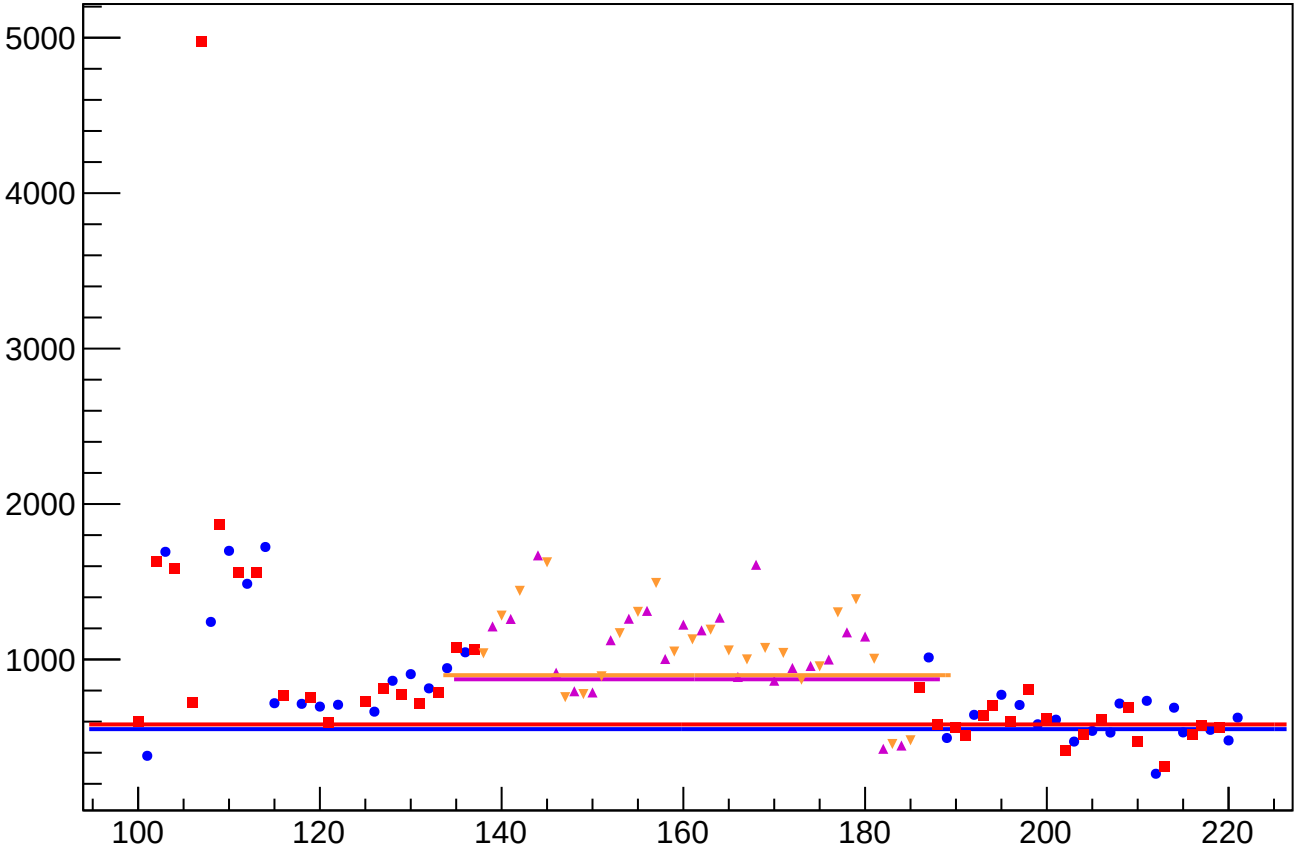
Right: -32.353+/-92.727 χ^2/NDF: 124.8/69

In: -265.985+/-109.518 χ^2/NDF:58.7/56

Out: 143.233+/-116.085 χ^2/NDF:105.8/59

All: -73.278+/-79.661 χ^2/NDF: 171.1/116

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: 582.035+/-0.096 χ^2/NDF: 4876416.9/35

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

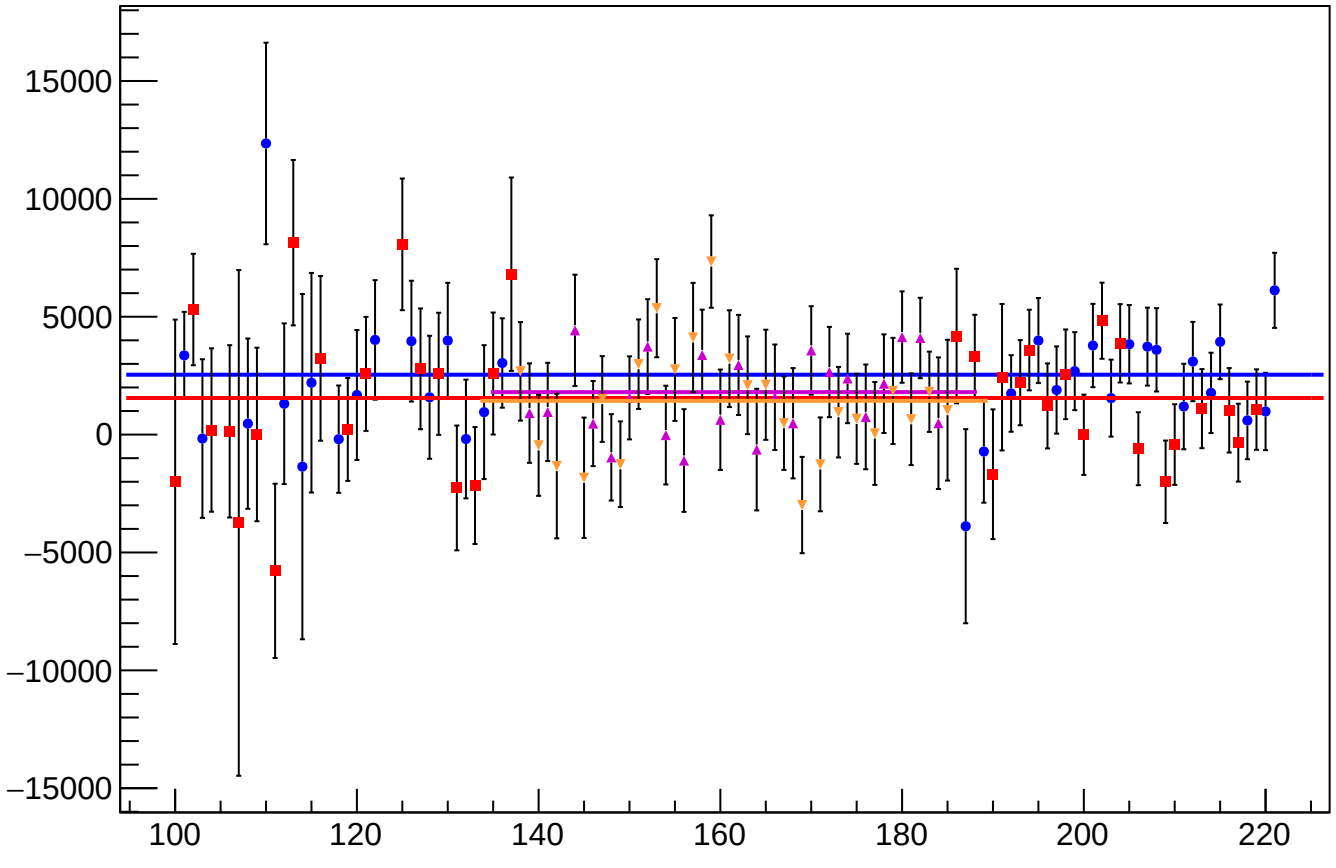
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 565.776+/-0.066 χ^2/NDF: 10342149.3/69

In: 632.335+/-0.077 χ^2/NDF:13075301.7/56

Out: 668.828+/-0.082 χ^2/NDF:11630939.3/59

All: 649.520+/-0.056 χ^2/NDF: 24810812.7/11



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: 1552.662+/-365.991 χ^2/NDF: 44.7/35

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

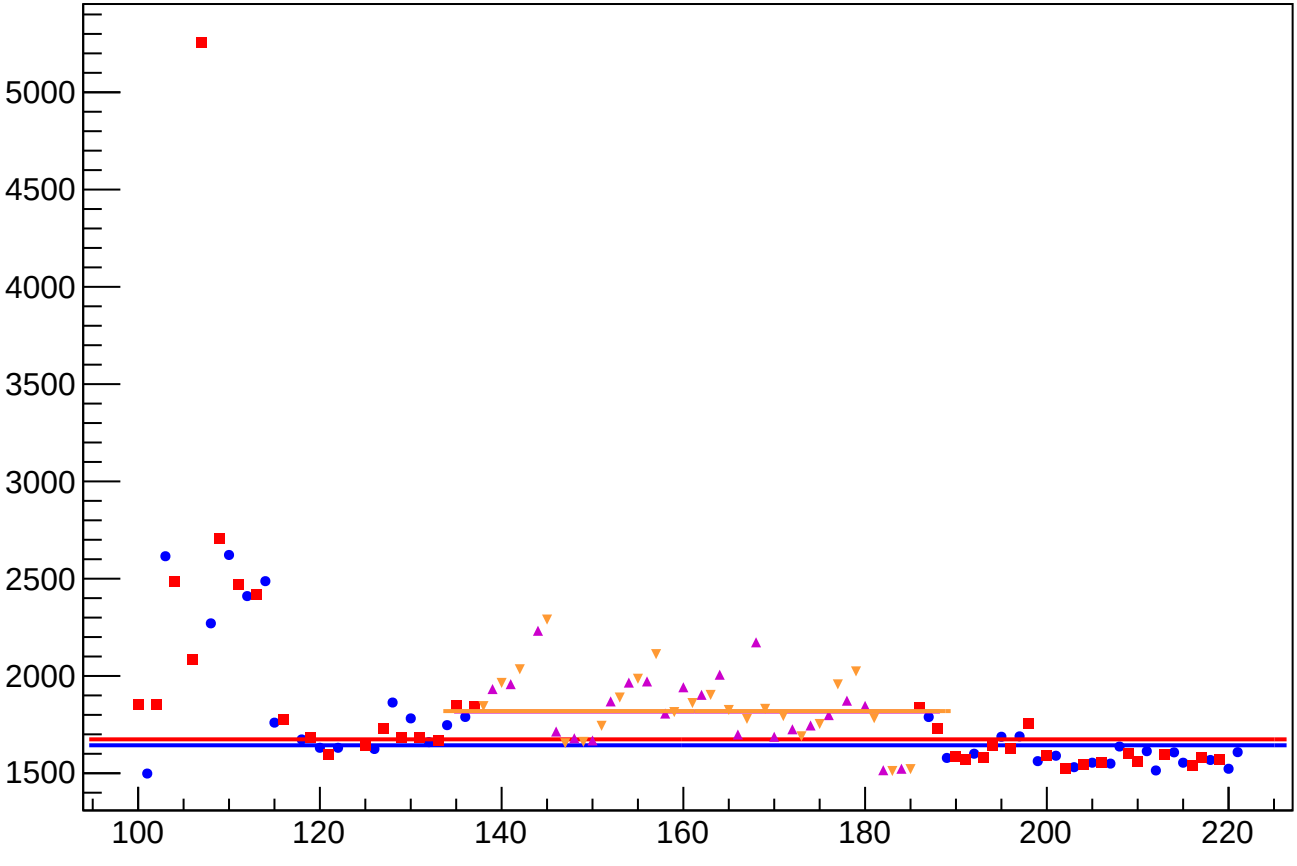
Right: 2065.475+/-253.762 χ^2/NDF: 76.6/69

In: 2240.775+/-271.547 χ^2/NDF:45.2/56

Out: 1501.769+/-277.182 χ^2/NDF:74.2/59

All: 1878.859+/-193.974 χ^2/NDF: 123.0/116

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: 1674.236+/-0.259 χ^2/NDF: 839513.5/35

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

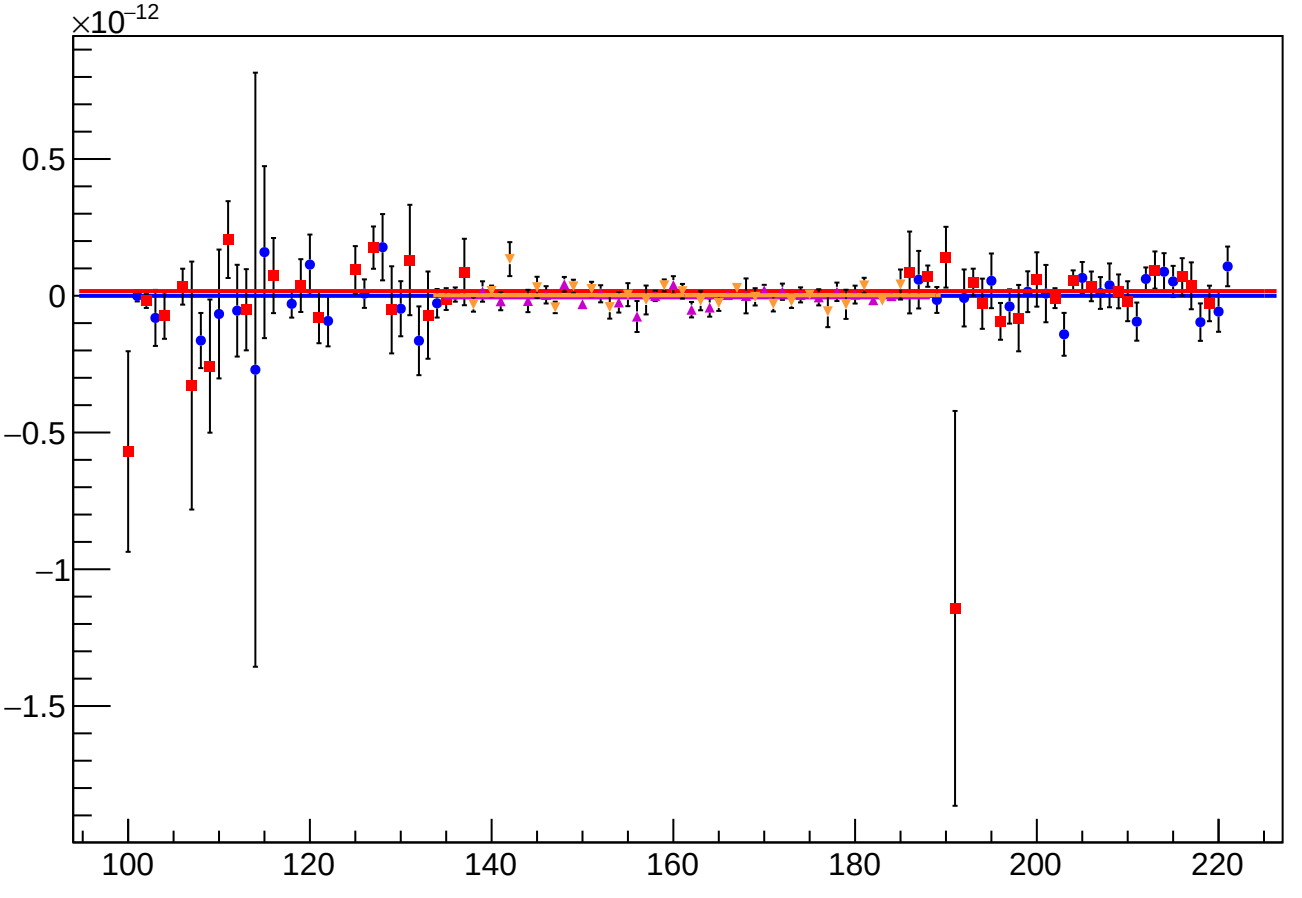
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1658.364+/-0.179 χ^2/NDF: 1427895.7/69

In: 1713.995+/-0.192 χ^2/NDF:1084990.6/56

Out: 1736.145+/-0.196 χ^2/NDF:1268729.4/59

All: 1724.843+/-0.137 χ^2/NDF: 2360237.2/11



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: 32.1/35

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

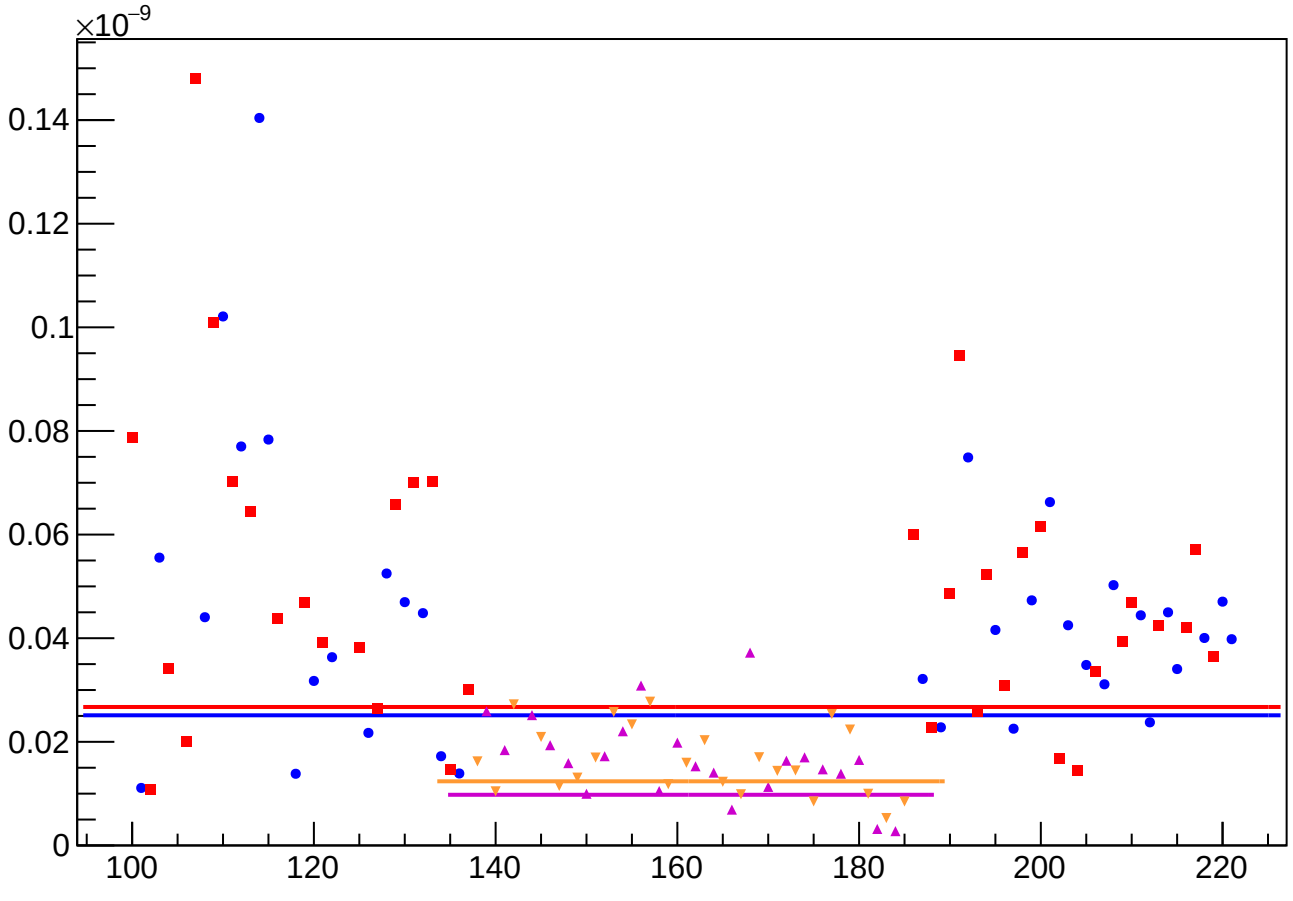
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 61.3/69

In: -0.000+/-0.000 χ^2/NDF:46.0/56

Out: 0.000+/-0.000 χ^2/NDF:63.0/59

All: -0.000+/-0.000 χ^2/NDF: 111.4/116



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: 4136110.1/35

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

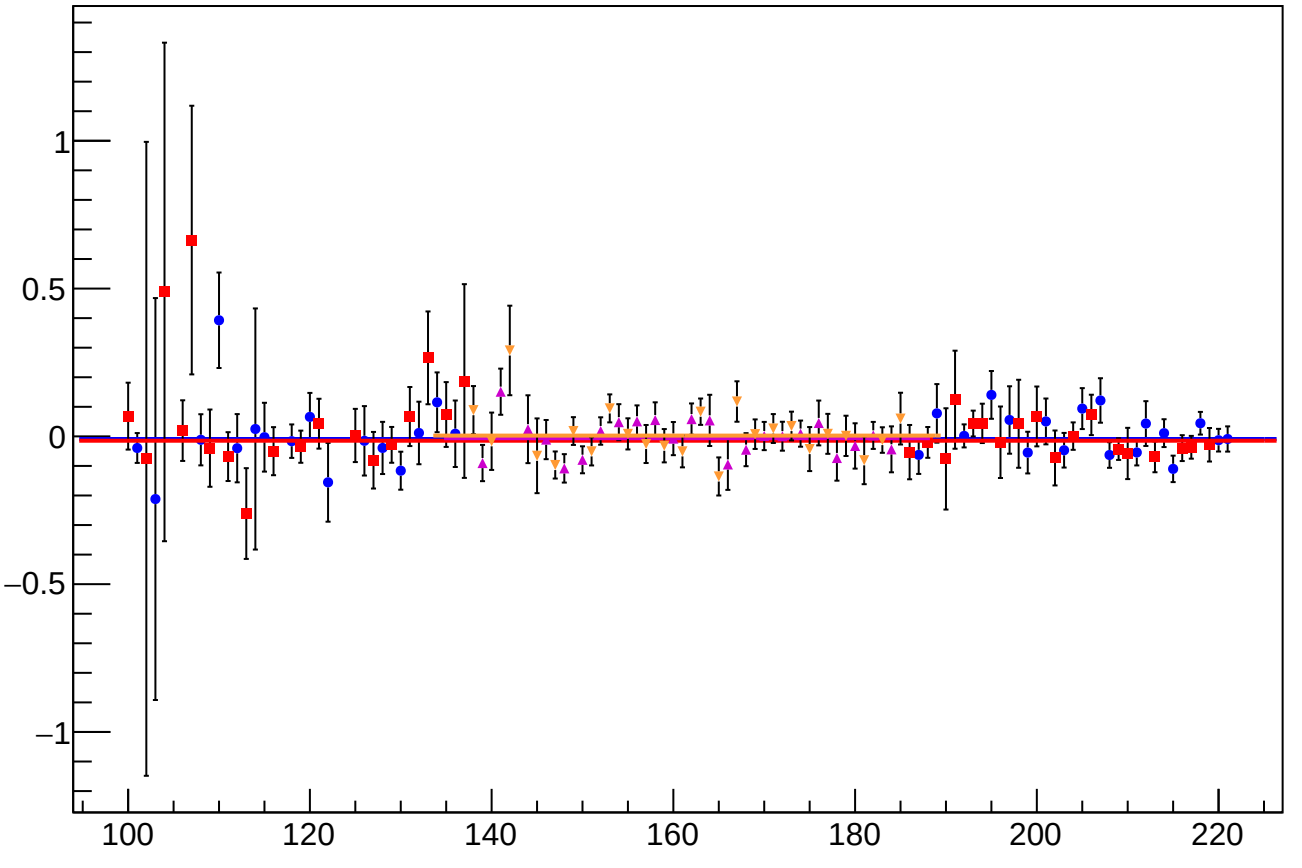
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 8798247.0/69

In: 0.000+/-0.000 χ^2/NDF:12962333.3/56

Out: 0.000+/-0.000 χ^2/NDF:8776526.8/59

All: 0.000+/-0.000 χ^2/NDF: 22071896.9/116



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: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

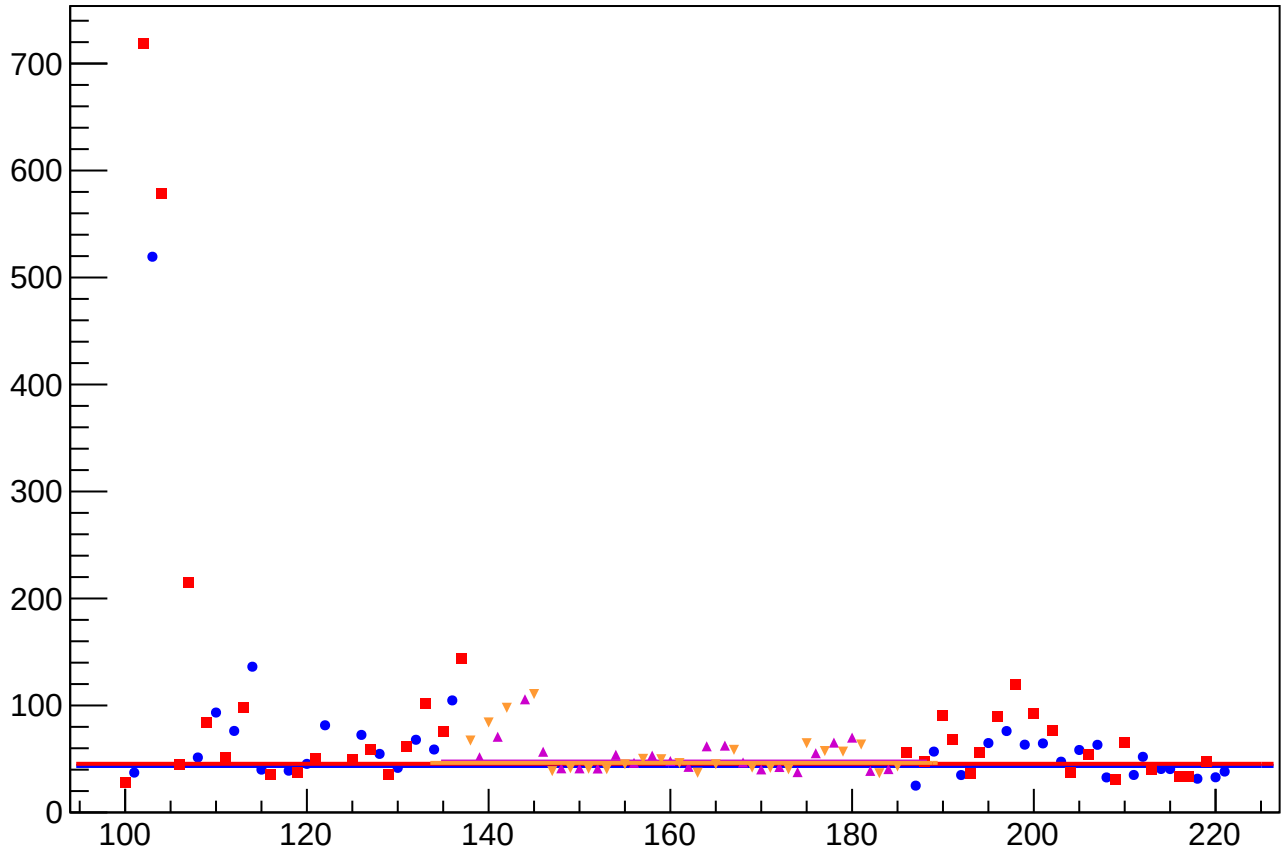
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.012+/-0.008 χ^2/NDF: 57.3/69

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/116



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: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

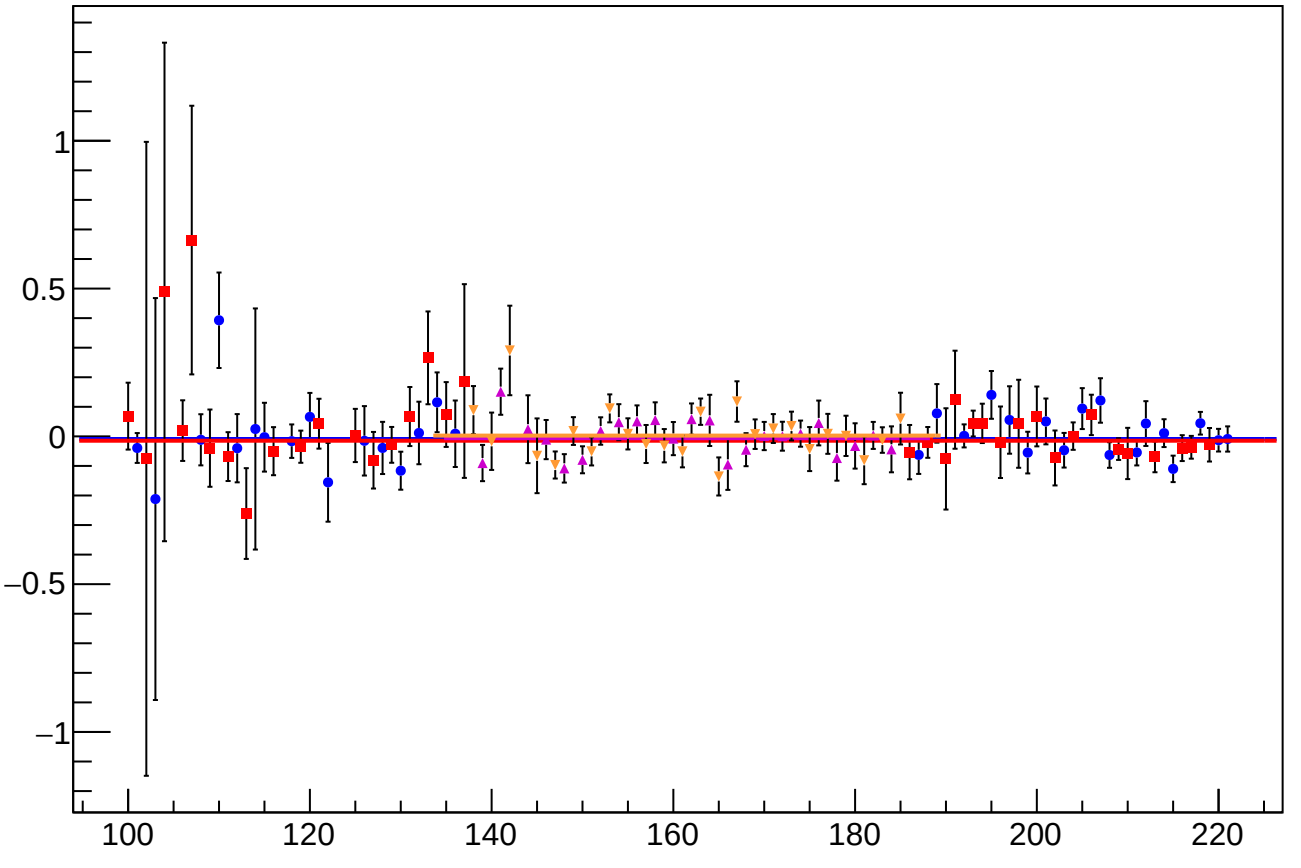
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 44.367+/-0.006 χ^2/NDF: 10155975.5/69

In: 45.305+/-0.006 χ^2/NDF:6027431.1/56

Out: 45.922+/-0.006 χ^2/NDF:7774157.2/59

All: 45.601+/-0.004 χ^2/NDF: 13807089.4/116



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: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

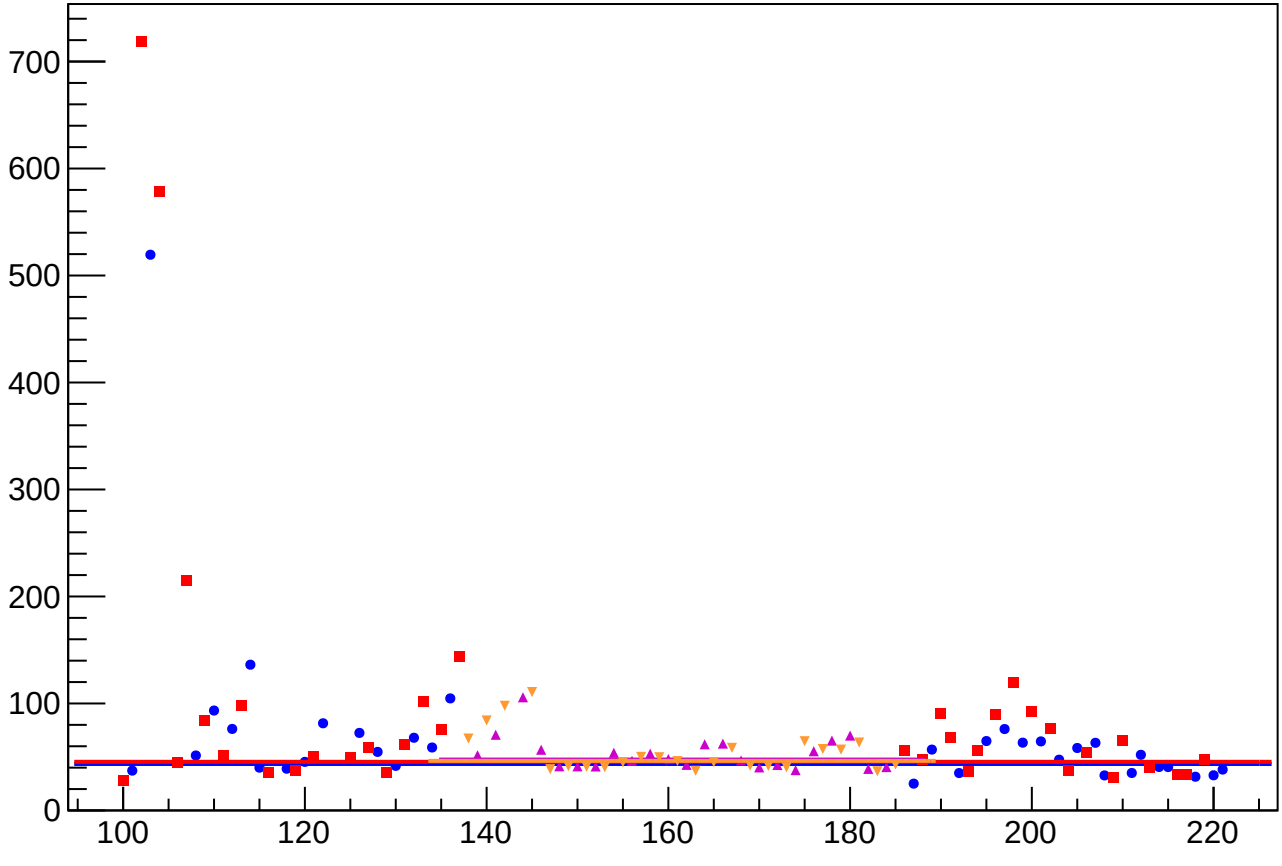
Right: -0.012+/-0.008 χ^2/NDF: 57.3/69

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/116

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: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

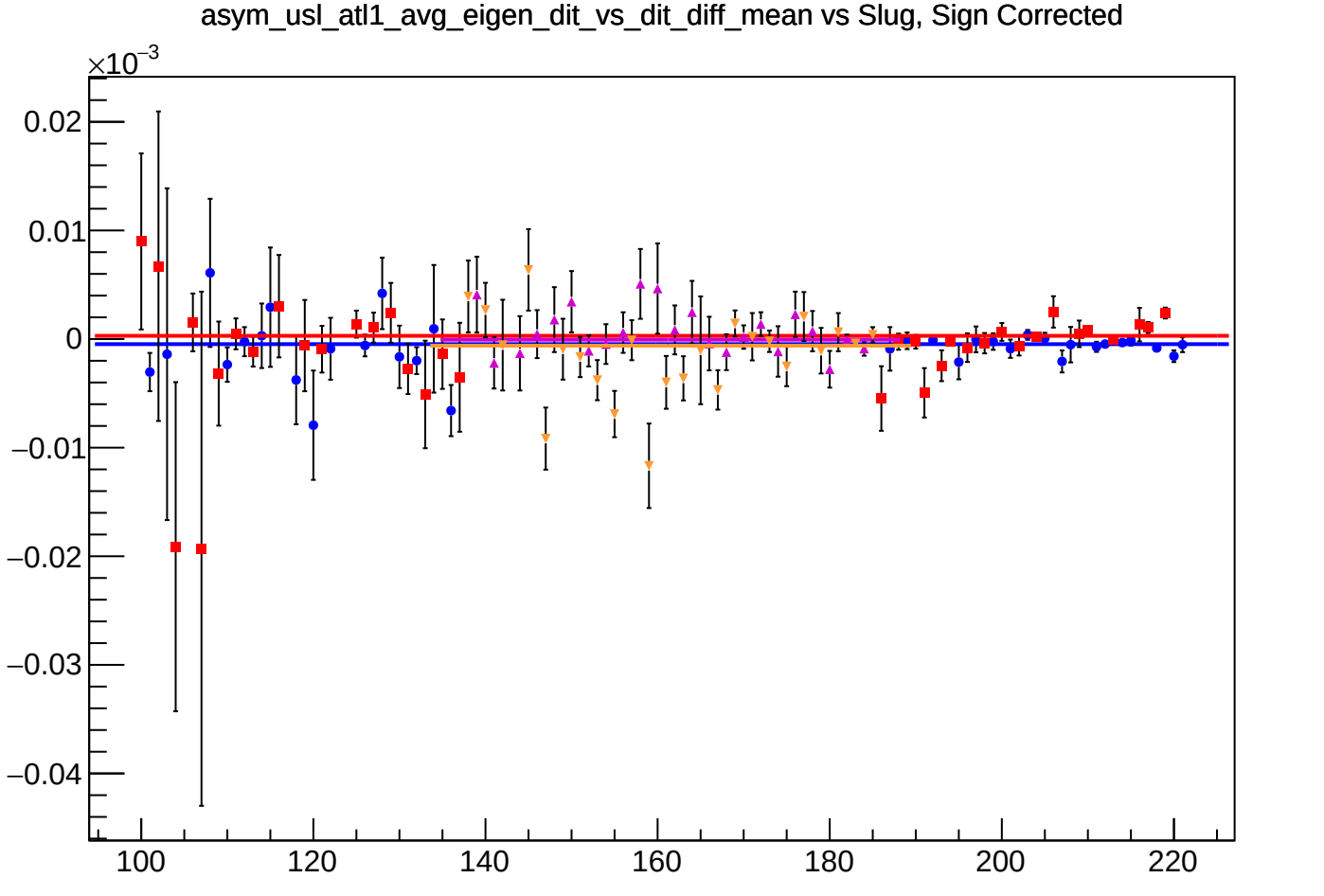
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 44.367+/-0.006 χ^2/NDF: 10155975.5/69

In: 45.305+/-0.006 χ^2/NDF:6027431.1/56

Out: 45.922+/-0.006 χ^2/NDF:7774157.2/59

All: 45.601+/-0.004 χ^2/NDF: 13807089.4/116



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 58.7/35

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

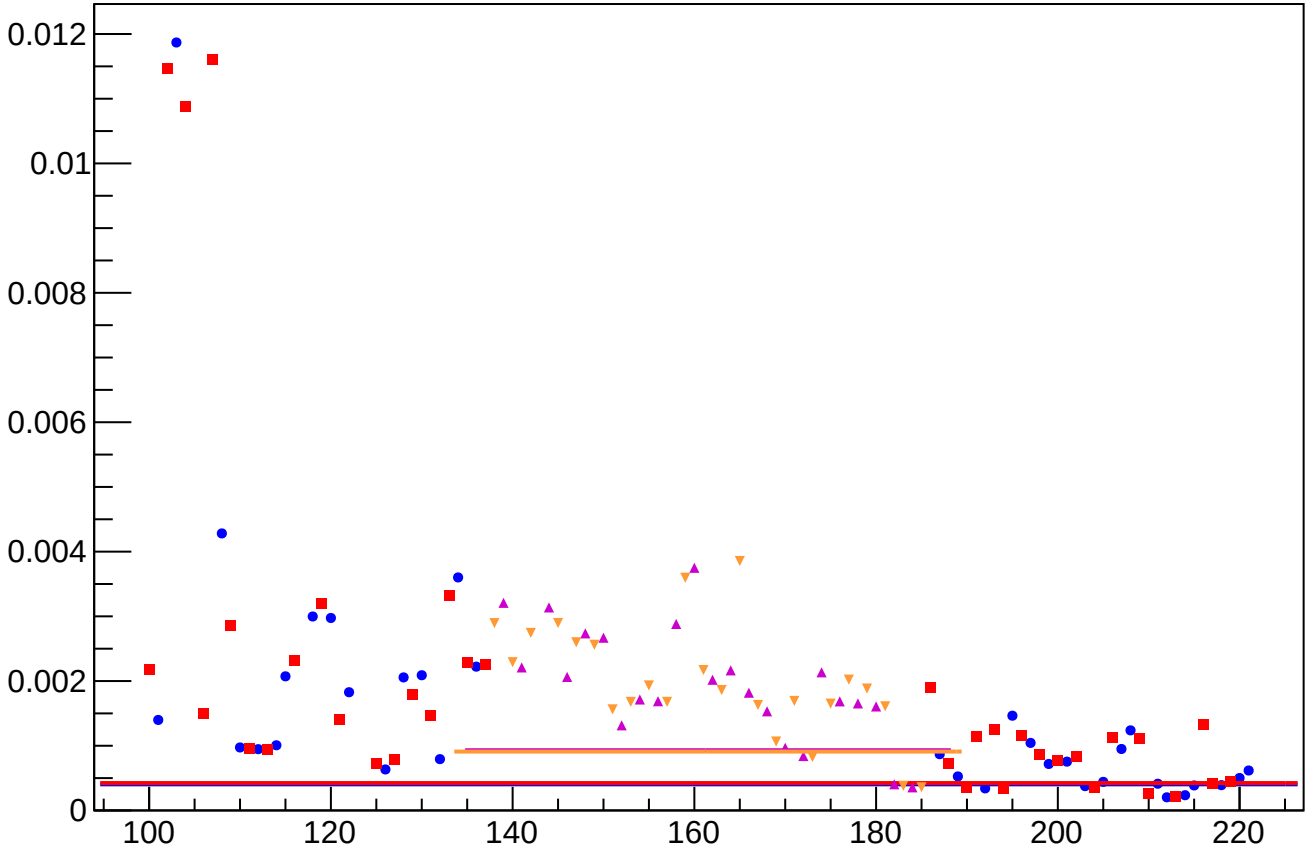
Right: -0.000+/-0.000 χ^2/NDF: 113.6/69

In: -0.000+/-0.000 χ^2/NDF:53.6/56

Out: 0.000+/-0.000 χ^2/NDF:121.5/59

All: -0.000+/-0.000 χ^2/NDF: 188.3/116

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: 16248142.1/35

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

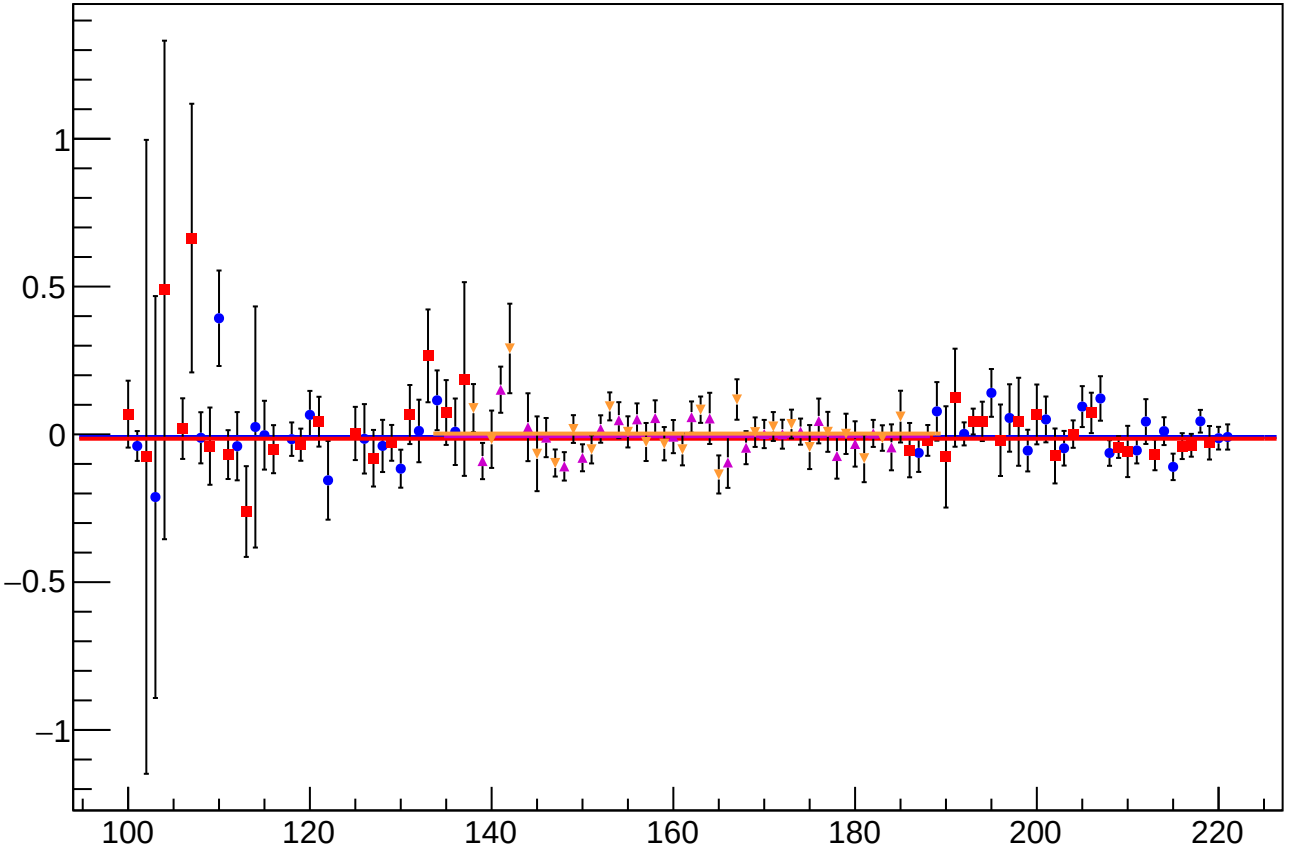
Right: 0.000+/-0.000 χ^2/NDF: 30735419.4/69

In: 0.000+/-0.000 χ^2/NDF:34181170.6/56

Out: 0.001+/-0.000 χ^2/NDF:35503163.7/59

All: 0.000+/-0.000 χ^2/NDF: 69750847.9/116

asym_usl_atl1_avg_eigen_dit_vs_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: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

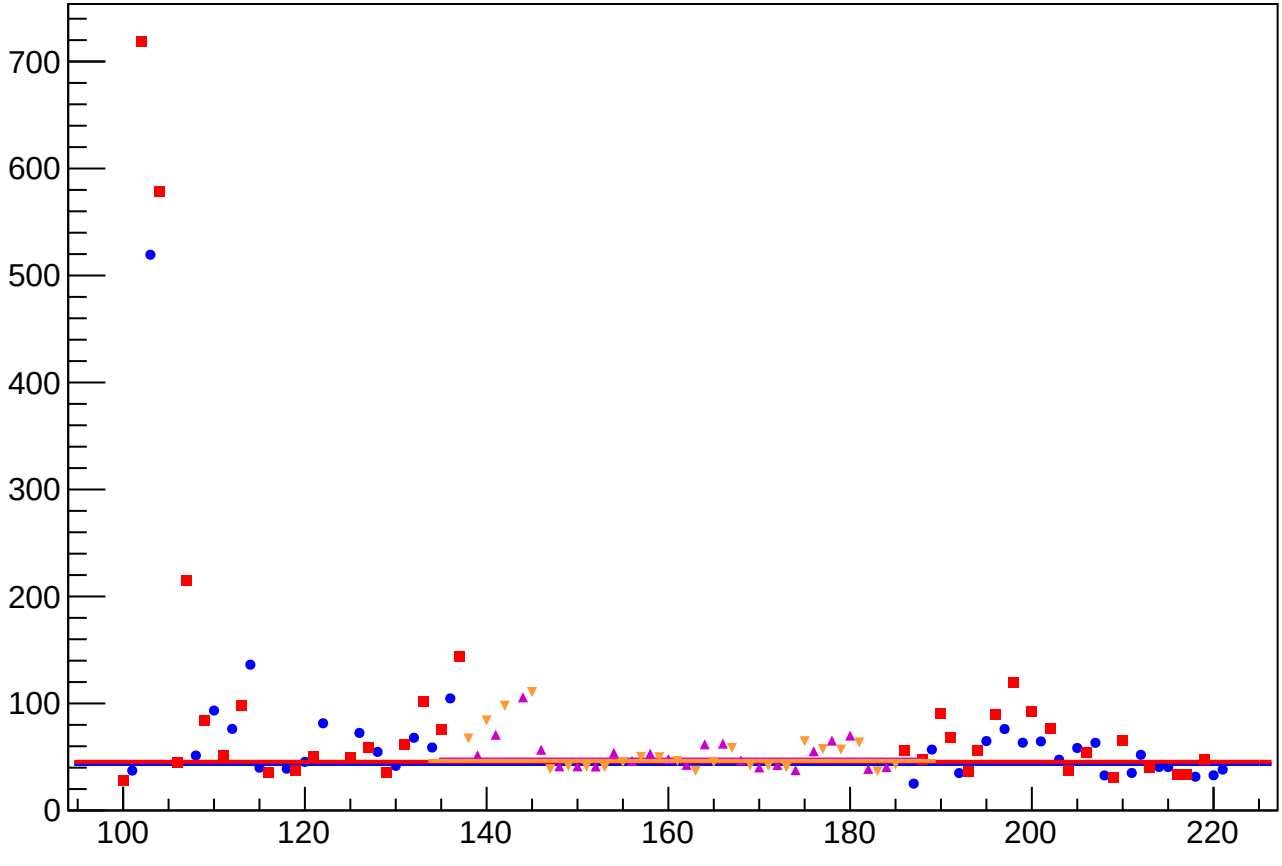
Right: -0.012+/-0.008 χ^2/NDF: 57.3/69

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/116

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: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

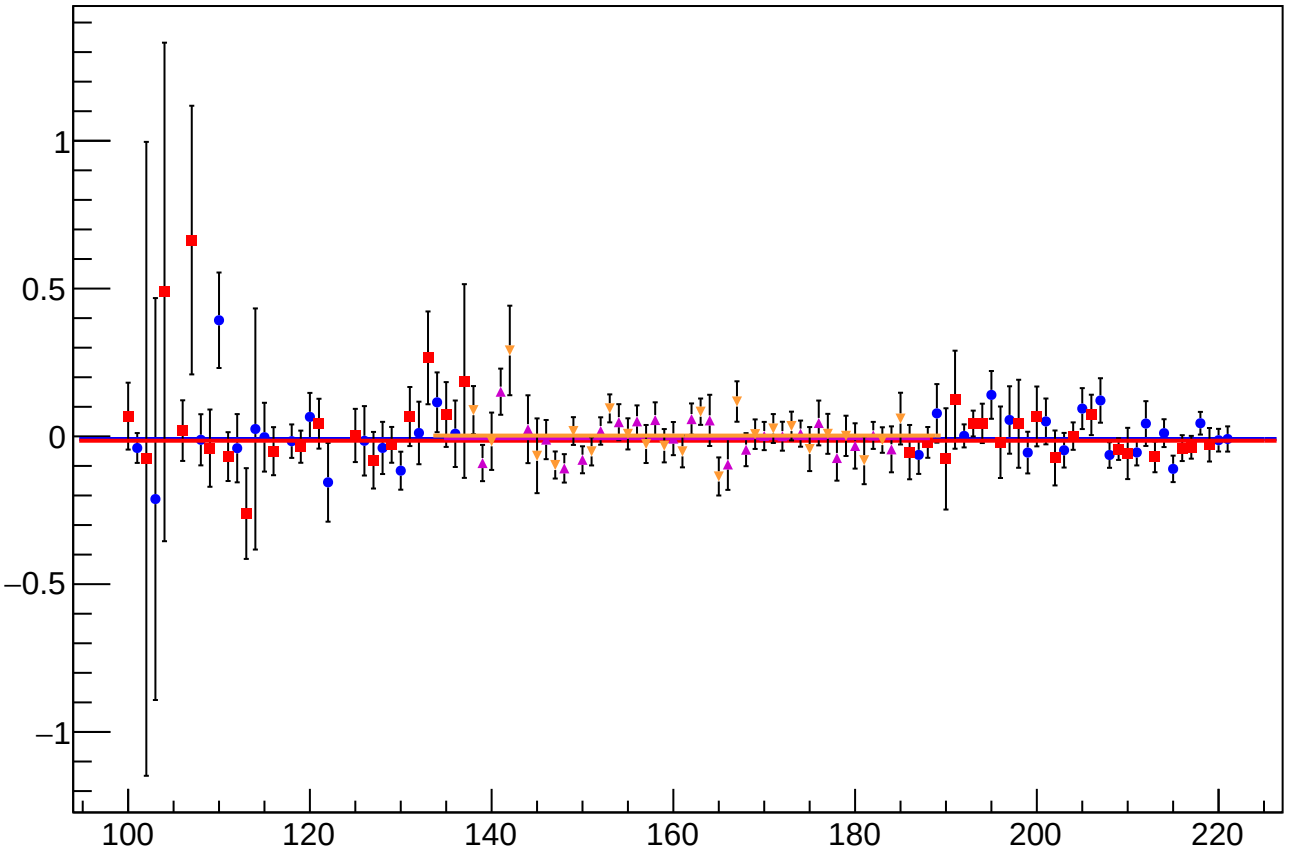
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 44.367+/-0.006 χ^2/NDF: 10155989.4/69

In: 45.305+/-0.006 χ^2/NDF:6027461.7/56

Out: 45.922+/-0.006 χ^2/NDF:7774153.7/59

All: 45.601+/-0.004 χ^2/NDF: 13807115.8/116



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: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

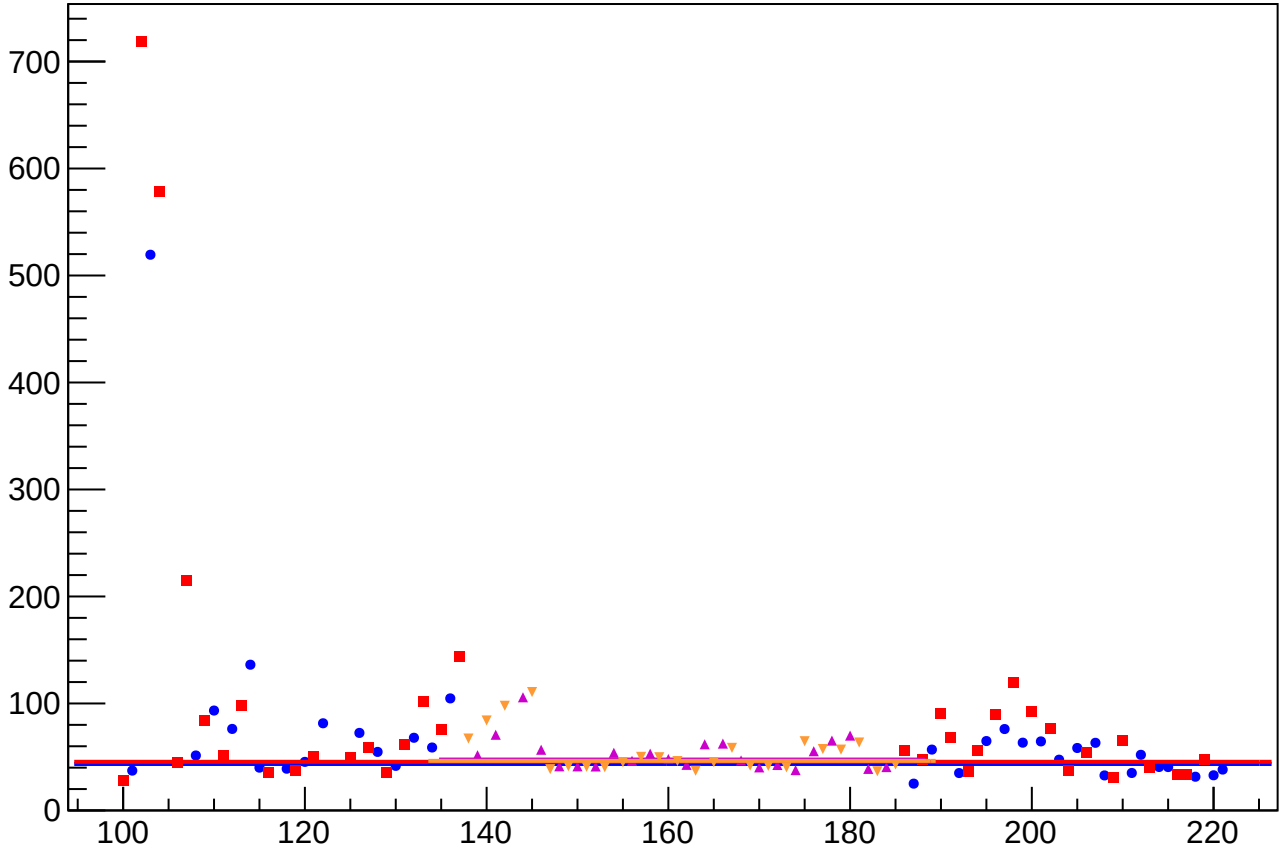
Right: -0.012+/-0.008 χ^2/NDF: 57.3/69

In: -0.008+/-0.008 χ^2/NDF:57.2/56

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/116

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: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

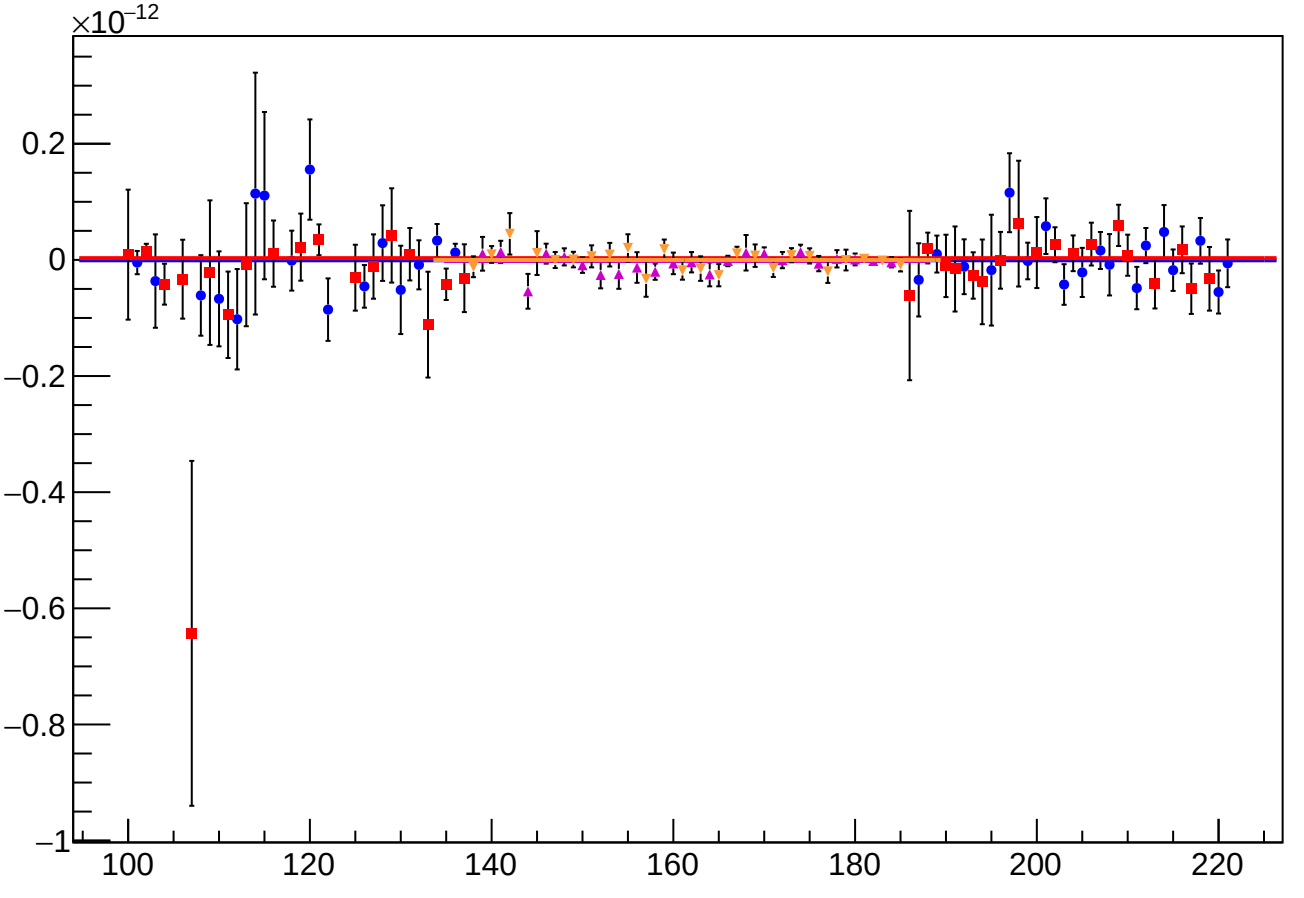
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 44.367+/-0.006 χ^2/NDF: 10155989.4/69

In: 45.305+/-0.006 χ^2/NDF:6027461.7/56

Out: 45.922+/-0.006 χ^2/NDF:7774153.7/59

All: 45.601+/-0.004 χ^2/NDF: 13807115.8/116



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: 24.8/35

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

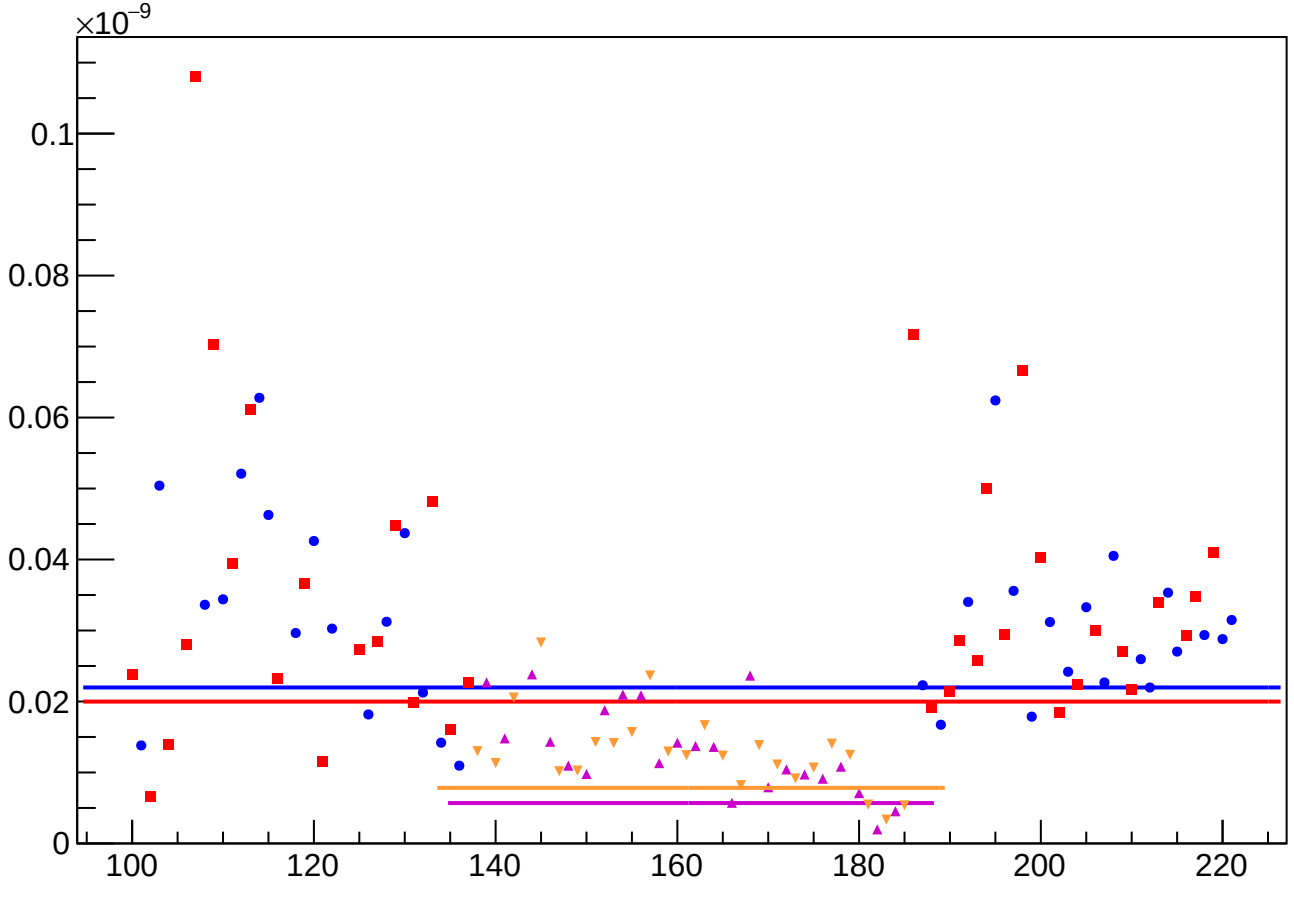
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 52.6/69

In: -0.000+/-0.000 χ^2/NDF:41.0/56

Out: 0.000+/-0.000 χ^2/NDF:38.8/59

All: -0.000+/-0.000 χ^2/NDF: 80.3/116



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: 6451556.9/35

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

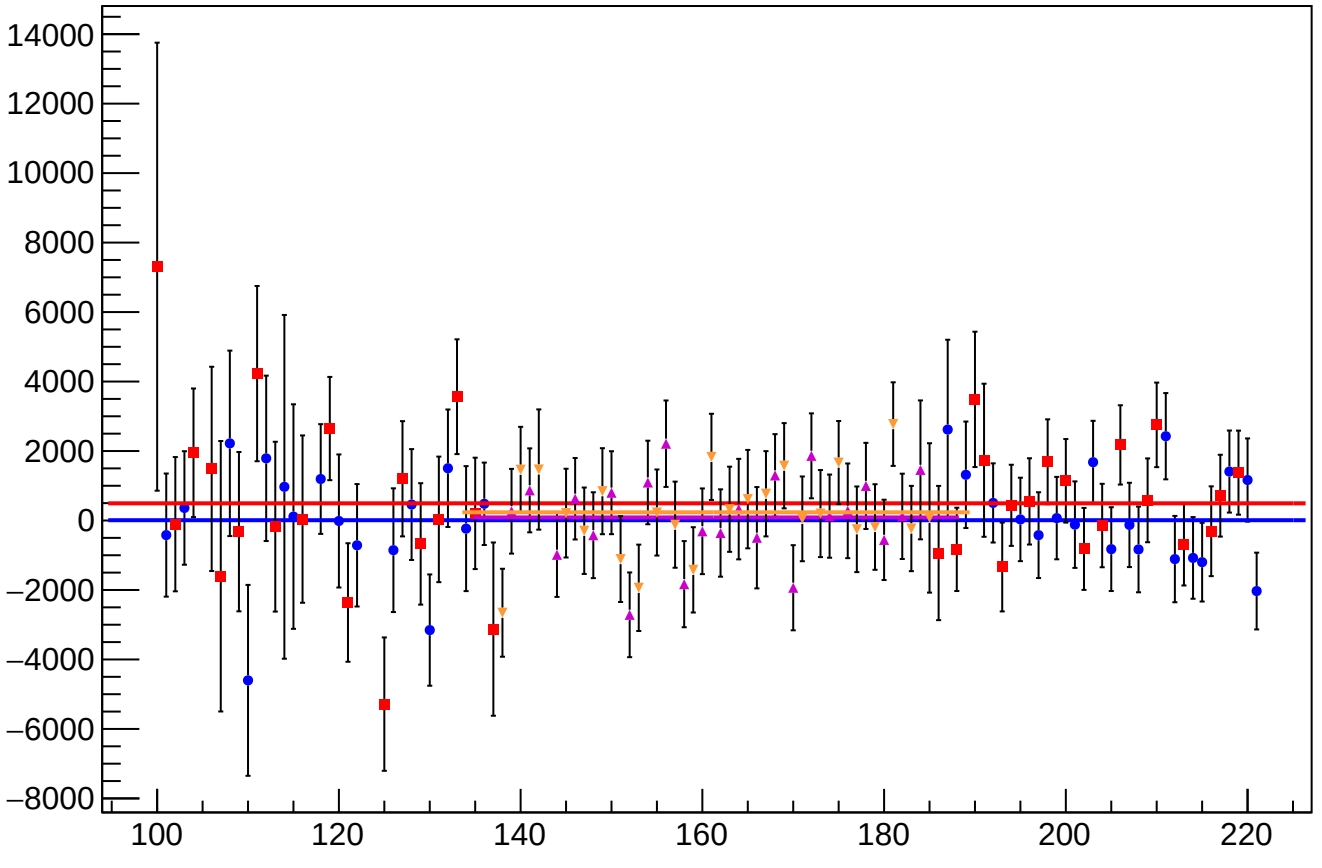
Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10840580.4/69

In: 0.000+/-0.000 χ^2/NDF:26358998.5/56

Out: 0.000+/-0.000 χ^2/NDF:18688777.9/59

All: 0.000+/-0.000 χ^2/NDF: 46030595.5/116



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: 494.992+/-254.120 χ^2/NDF: 41.8/35

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

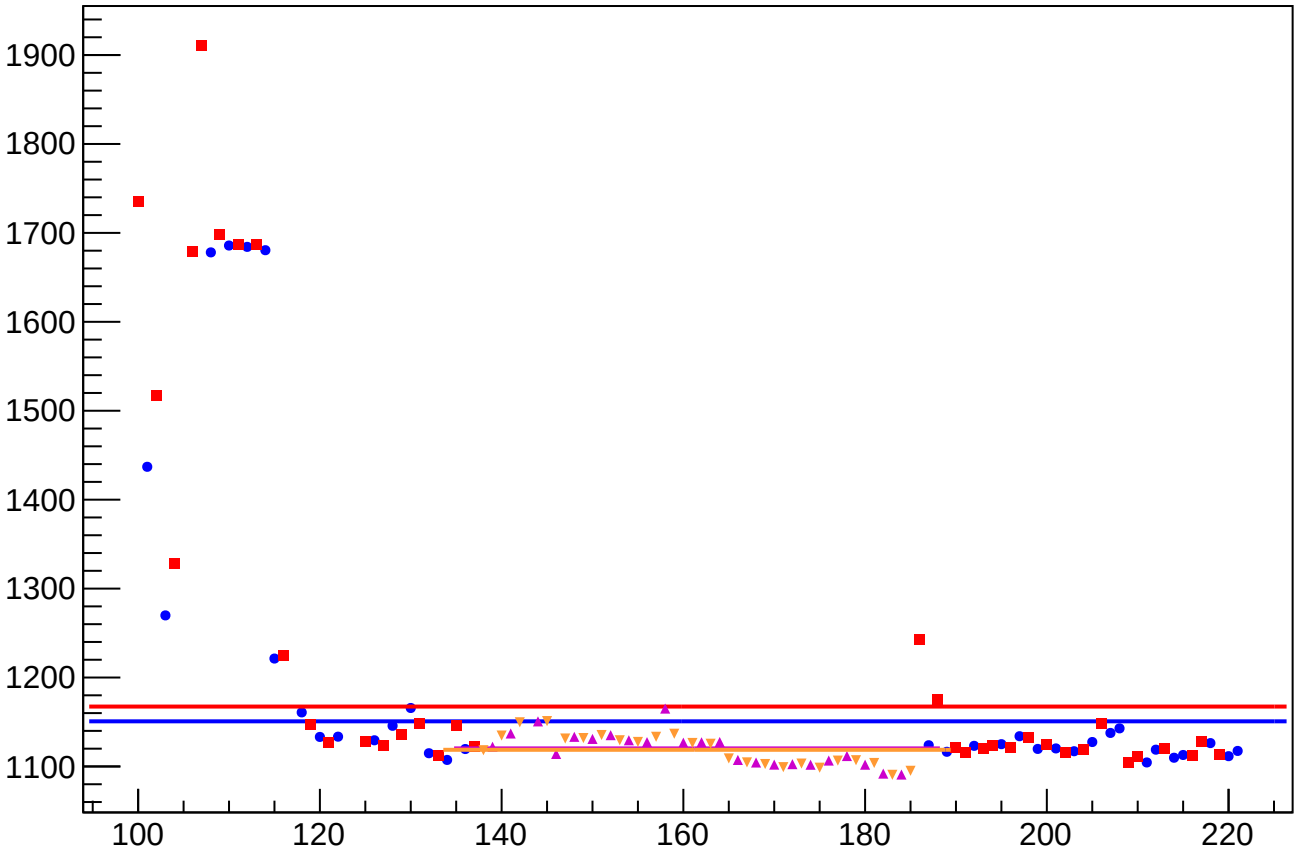
Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

Right: 243.662+/-176.675 χ^2/NDF: 71.1/69

In: 45.967+/-179.132 χ^2/NDF:48.4/56

Out: 368.587+/-181.620 χ^2/NDF:65.0/59

All: 205.052+/-127.536 χ^2/NDF: 115.0/116



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: 1167.355+/-0.180 χ^2/NDF: 568892.0/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

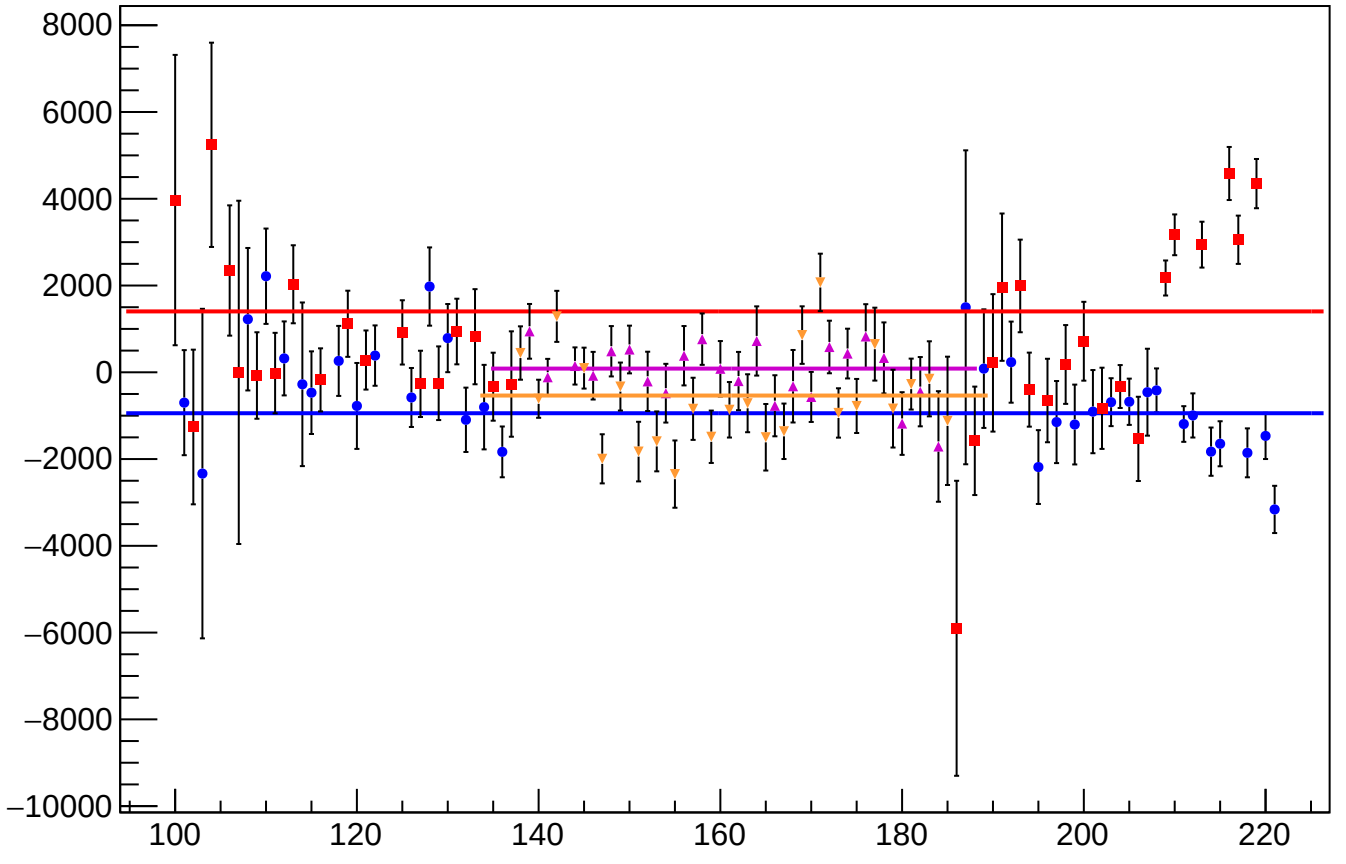
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1158.775+/-0.125 χ^2/NDF: 941201.3/69

In: 1136.475+/-0.127 χ^2/NDF:391757.6/56

Out: 1143.569+/-0.128 χ^2/NDF:612914.9/59

All: 1139.973+/-0.090 χ^2/NDF: 1006219.1/11



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: 1403.323+/-132.648 χ^2/NDF: 173.8/35

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

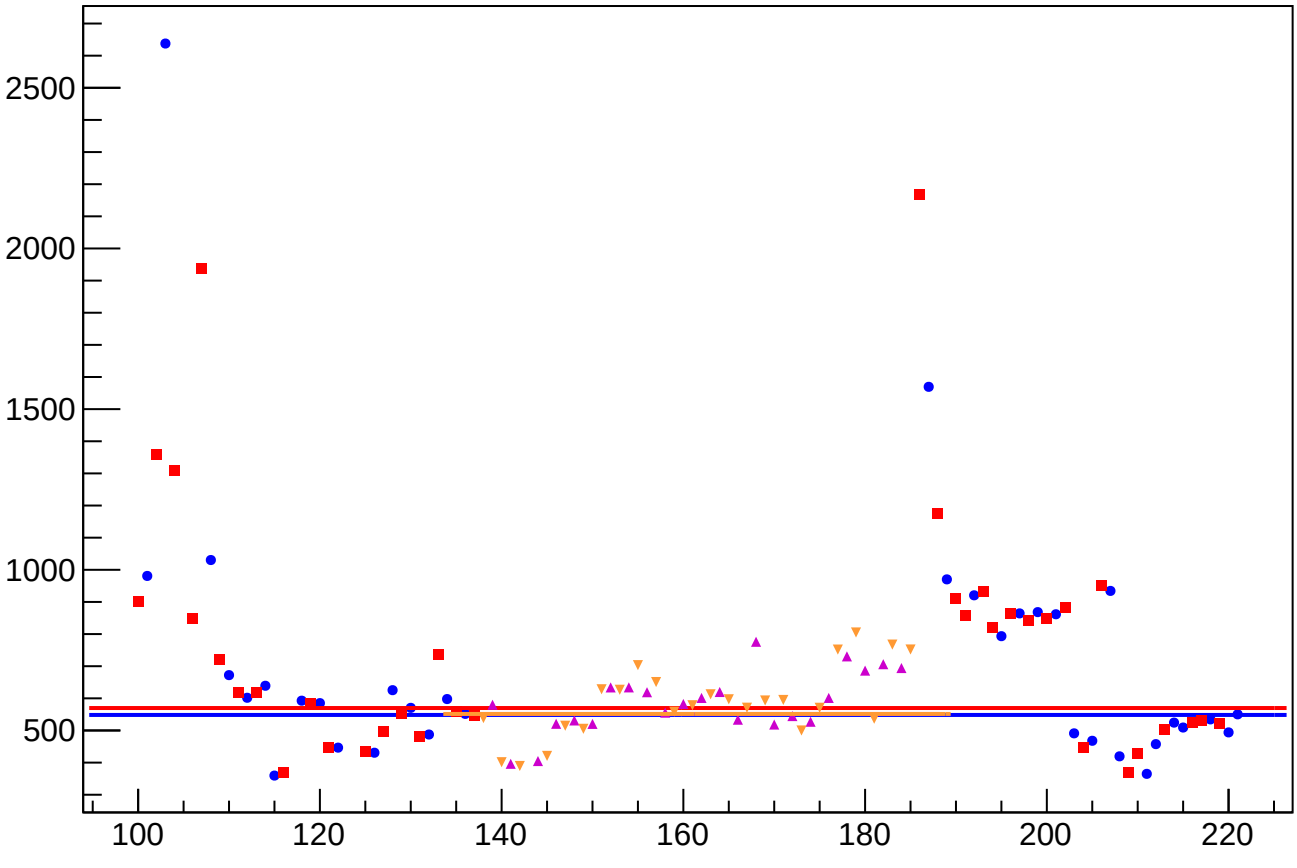
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 150.105+/-90.554 χ^2/NDF: 409.2/69

In: -457.614+/-90.013 χ^2/NDF:117.9/56

Out: 418.968+/-93.080 χ^2/NDF:343.9/59

All: -34.003+/-64.706 χ^2/NDF: 507.7/116



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: 569.854+/-0.094 χ^2/NDF: 4773448.4/35

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

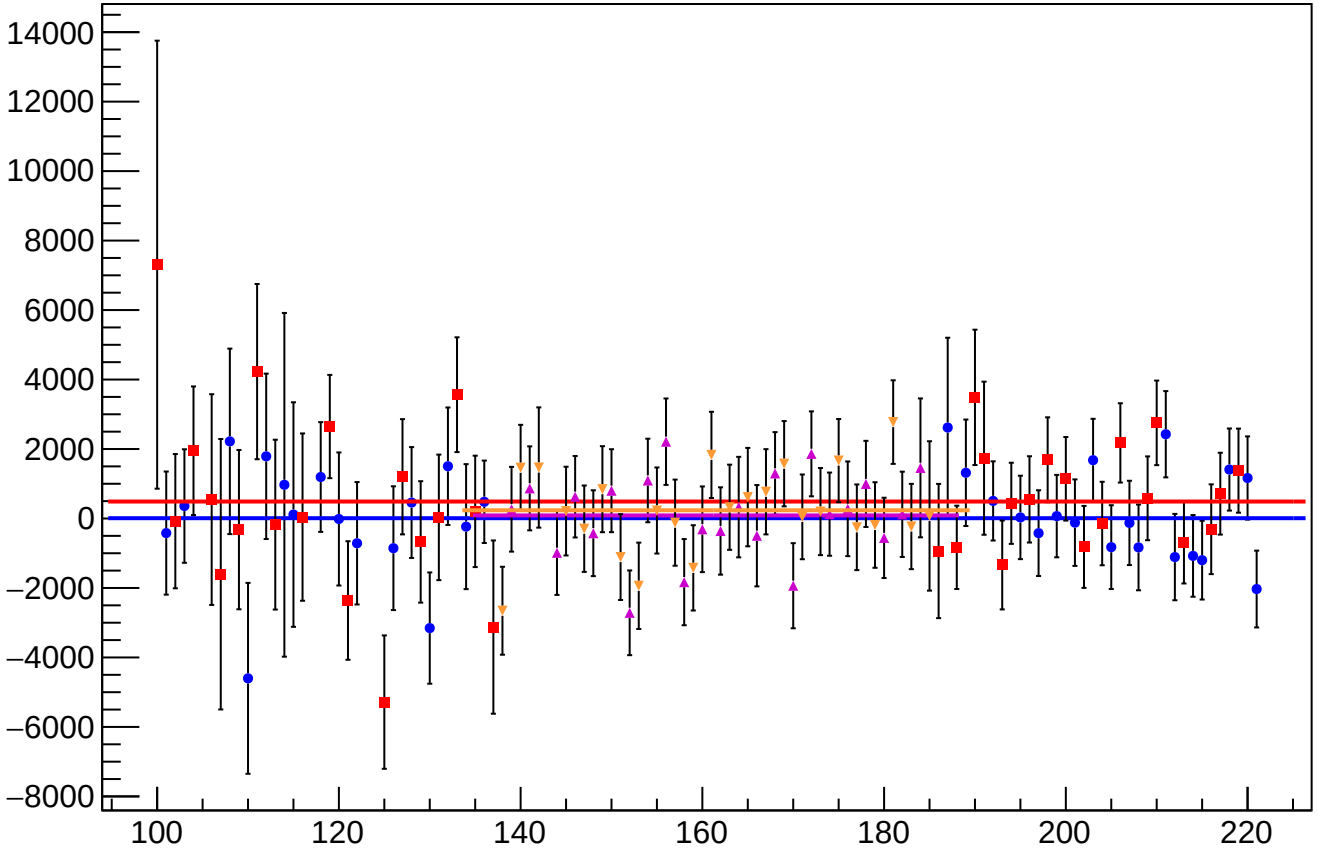
Right: 558.357+/-0.064 χ^2/NDF: 8600887.3/69

In: 549.747+/-0.064 χ^2/NDF:4861628.3/56

Out: 560.507+/-0.066 χ^2/NDF:6019627.6/59

All: 554.947+/-0.046 χ^2/NDF: 10895066.2/11

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: 488.462+/-254.178 χ^2/NDF: 41.6/35

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

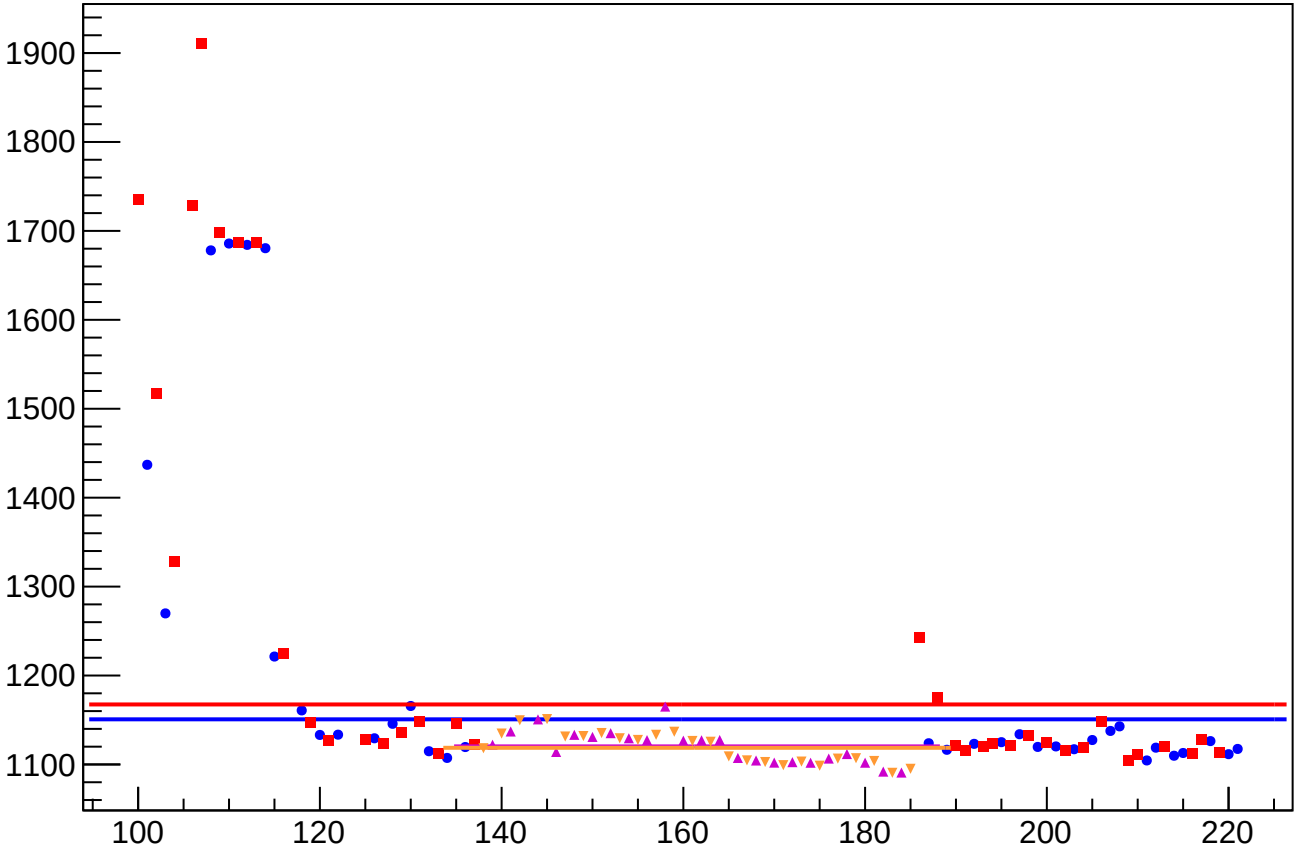
Right: 240.402+/-176.694 χ^2/NDF: 70.9/69

In: 45.911+/-179.132 χ^2/NDF:48.4/56

Out: 365.243+/-181.641 χ^2/NDF:64.9/59

All: 203.356+/-127.543 χ^2/NDF: 114.8/116

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: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

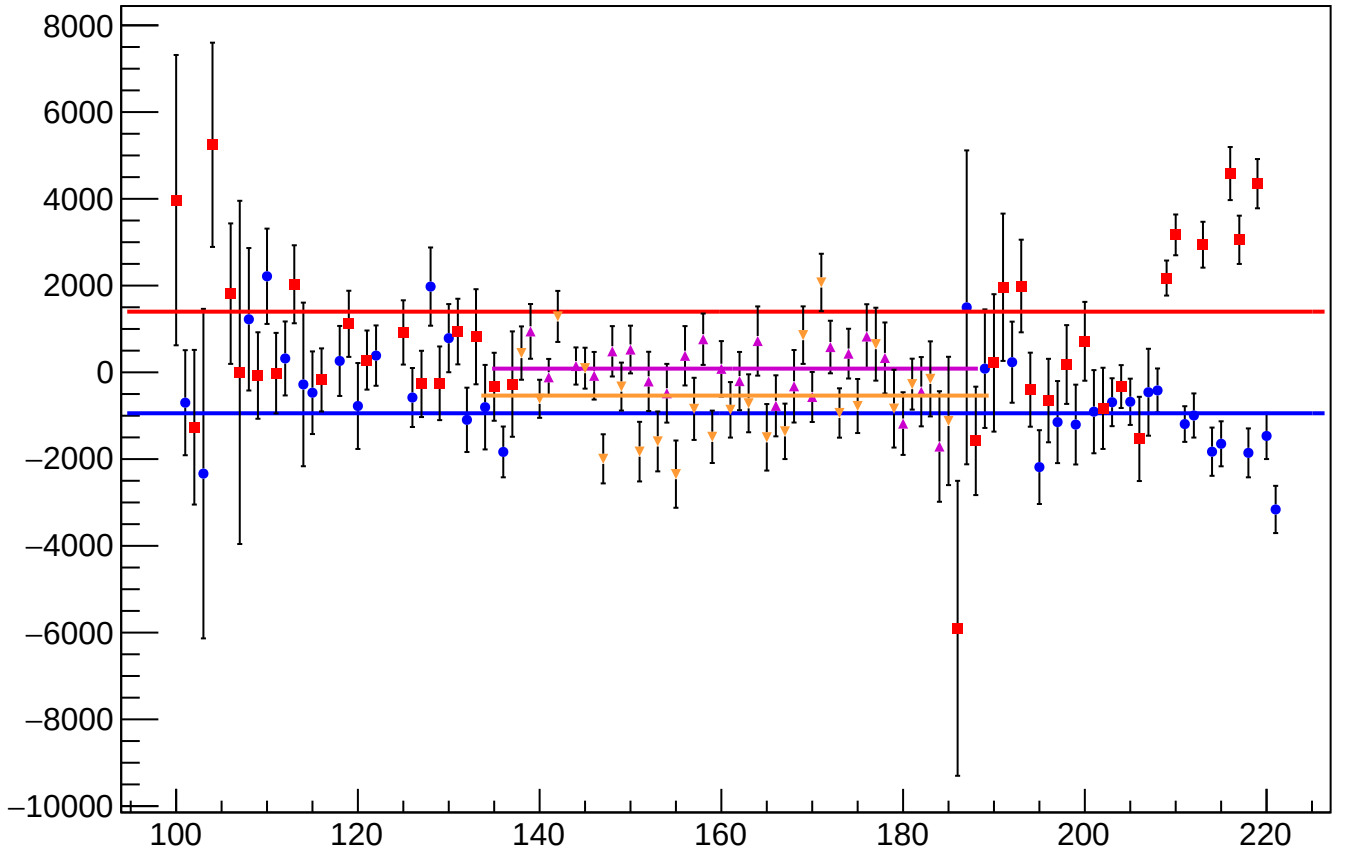
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1158.832+/-0.125 χ^2/NDF: 949293.4/69

In: 1136.475+/-0.127 χ^2/NDF:391757.7/56

Out: 1143.626+/-0.128 χ^2/NDF:621114.8/59

All: 1140.001+/-0.090 χ^2/NDF: 1014443.8/11



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: 1398.699+/-132.720 χ^2/NDF: 173.5/35

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

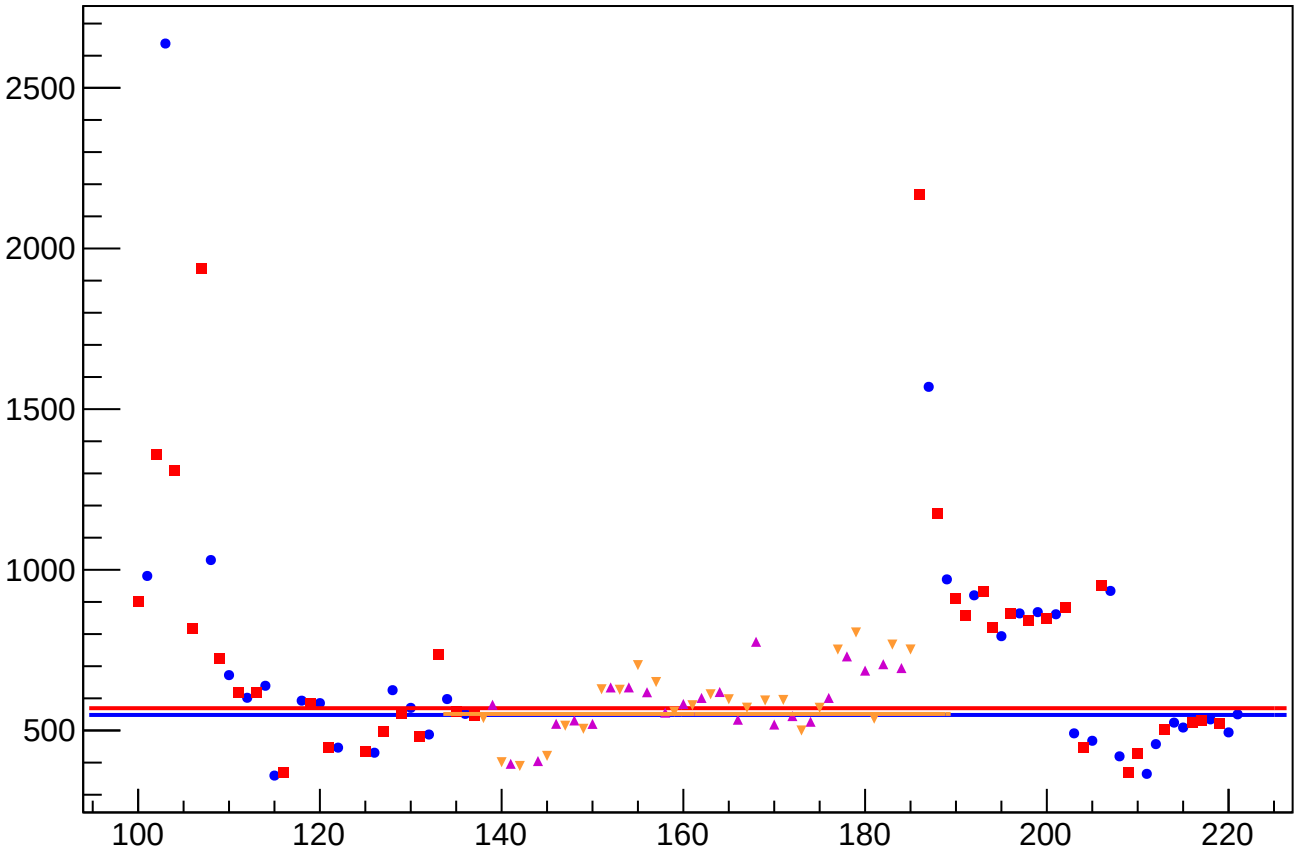
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 147.324+/-90.577 χ^2/NDF: 408.2/69

In: -457.612+/-90.013 χ^2/NDF:117.9/56

Out: 416.153+/-93.105 χ^2/NDF:343.0/59

All: -35.480+/-64.714 χ^2/NDF: 506.5/116



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: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

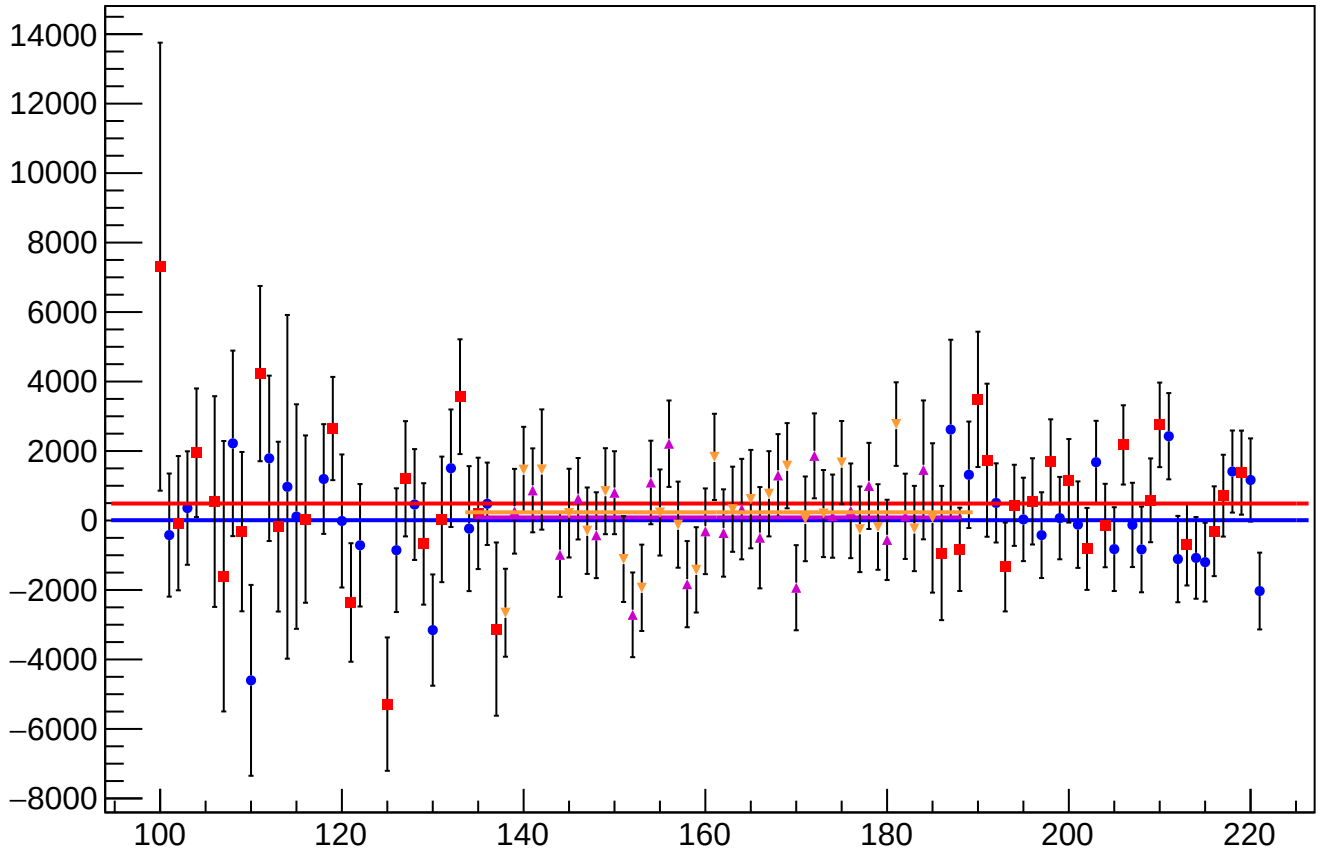
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 558.109+/-0.064 χ^2/NDF: 8577868.3/69

In: 549.745+/-0.064 χ^2/NDF:4861571.7/56

Out: 560.247+/-0.066 χ^2/NDF:5996902.6/59

All: 554.819+/-0.046 χ^2/NDF: 10871625.0/11



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: 488.462+/-254.178 χ^2/NDF: 41.6/35

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

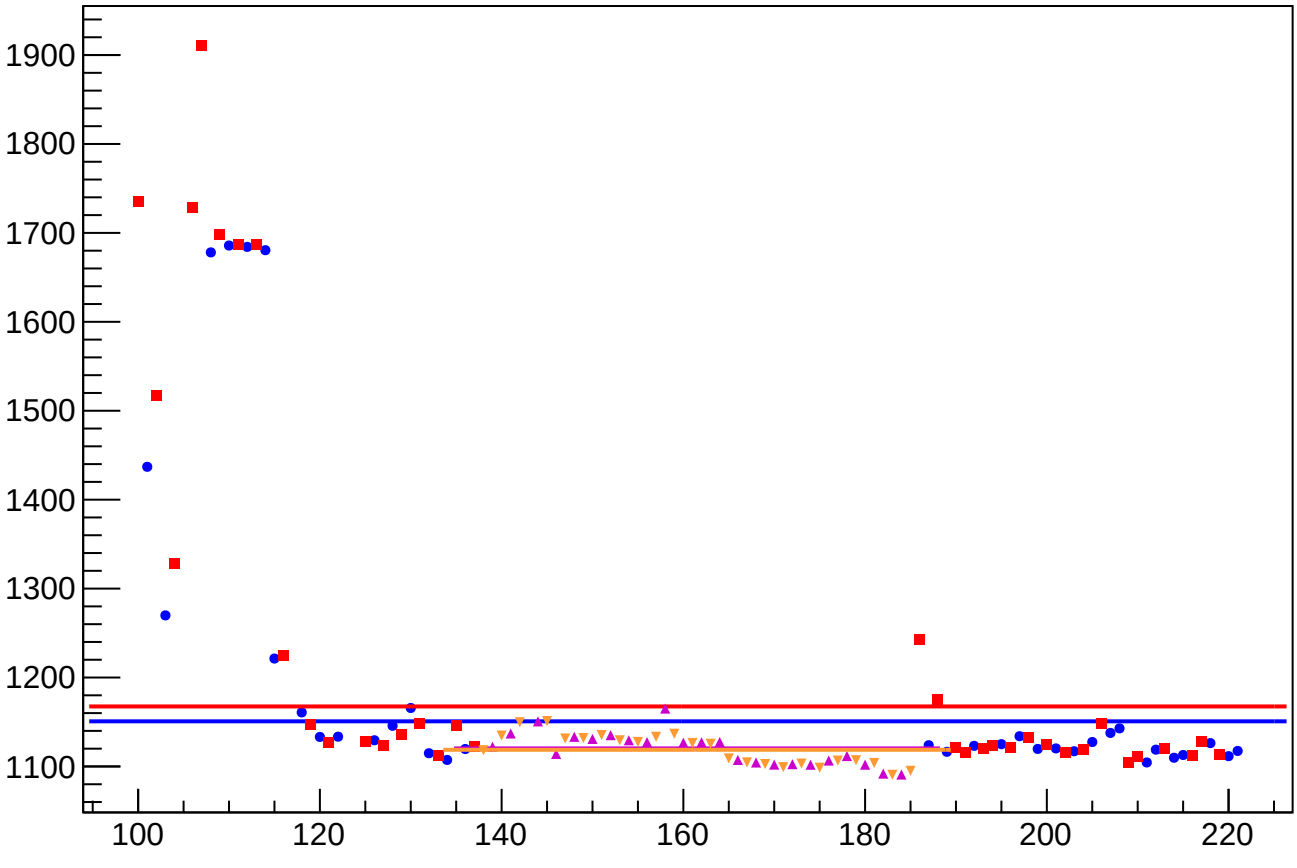
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 240.402+/-176.694 χ^2/NDF: 70.9/69

In: 45.911+/-179.132 χ^2/NDF:48.4/56

Out: 365.243+/-181.641 χ^2/NDF:64.9/59

All: 203.356+/-127.543 χ^2/NDF: 114.8/116



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: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

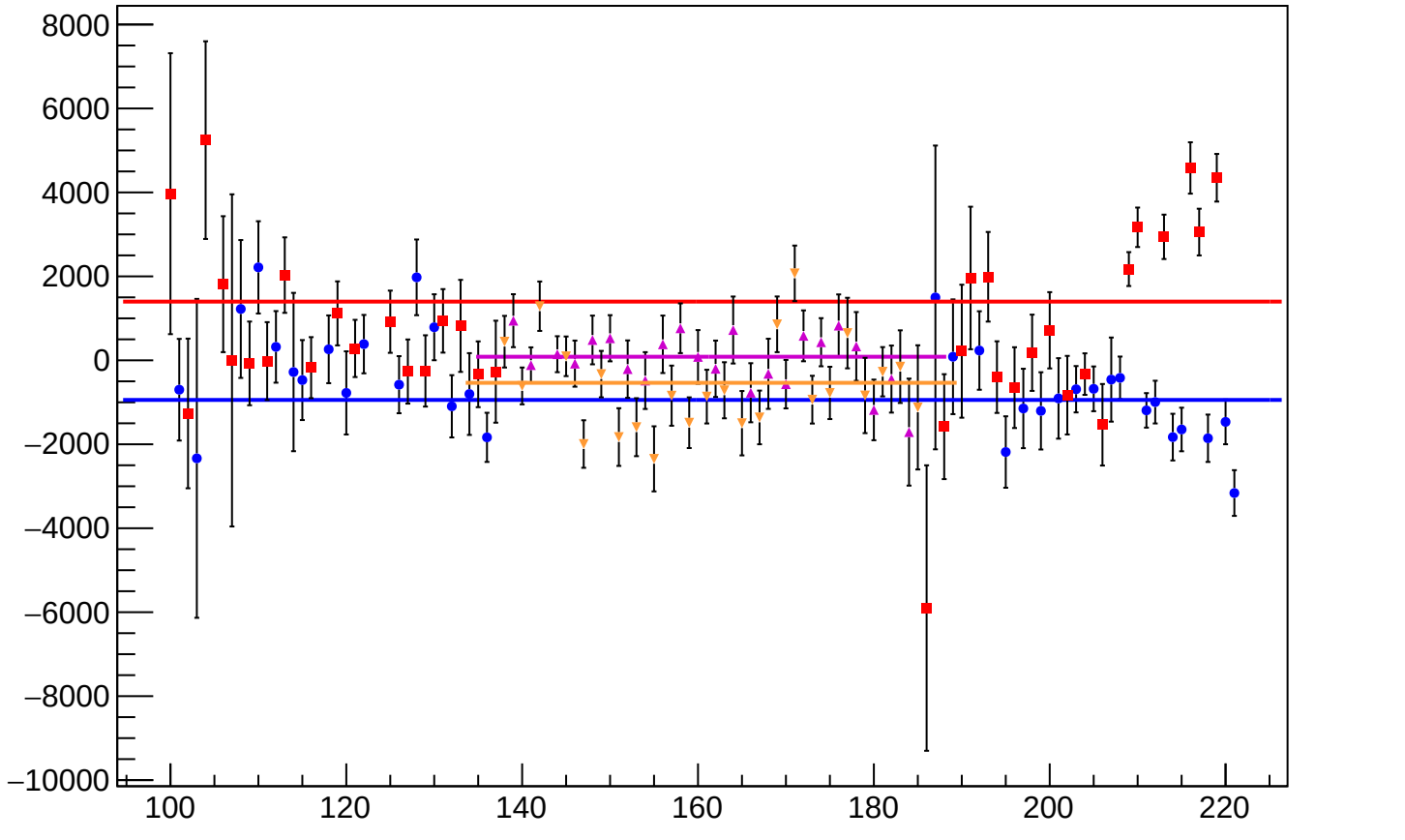
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1158.832+/-0.125 χ^2/NDF: 949293.4/69

In: 1136.475+/-0.127 χ^2/NDF:391757.7/56

Out: 1143.626+/-0.128 χ^2/NDF:621114.8/59

All: 1140.001+/-0.090 χ^2/NDF: 1014443.8/11



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: 1398.699+/-132.720 χ^2/NDF: 173.5/35

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

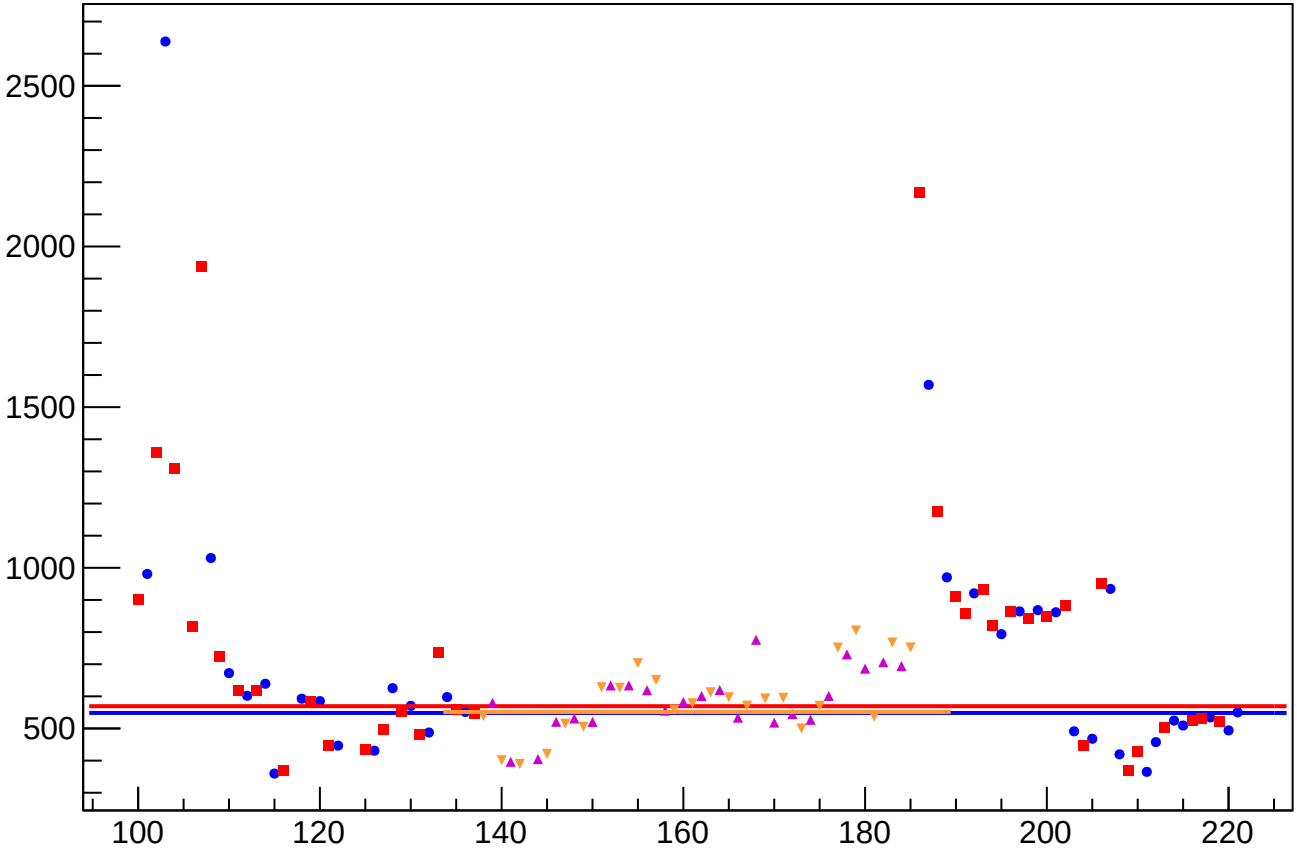
Right: 147.324+/-90.577 χ^2/NDF: 408.2/69

In: -457.612+/-90.013 χ^2/NDF:117.9/56

Out: 416.153+/-93.105 χ^2/NDF:343.0/59

All: -35.480+/-64.714 χ^2/NDF: 506.5/116

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: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

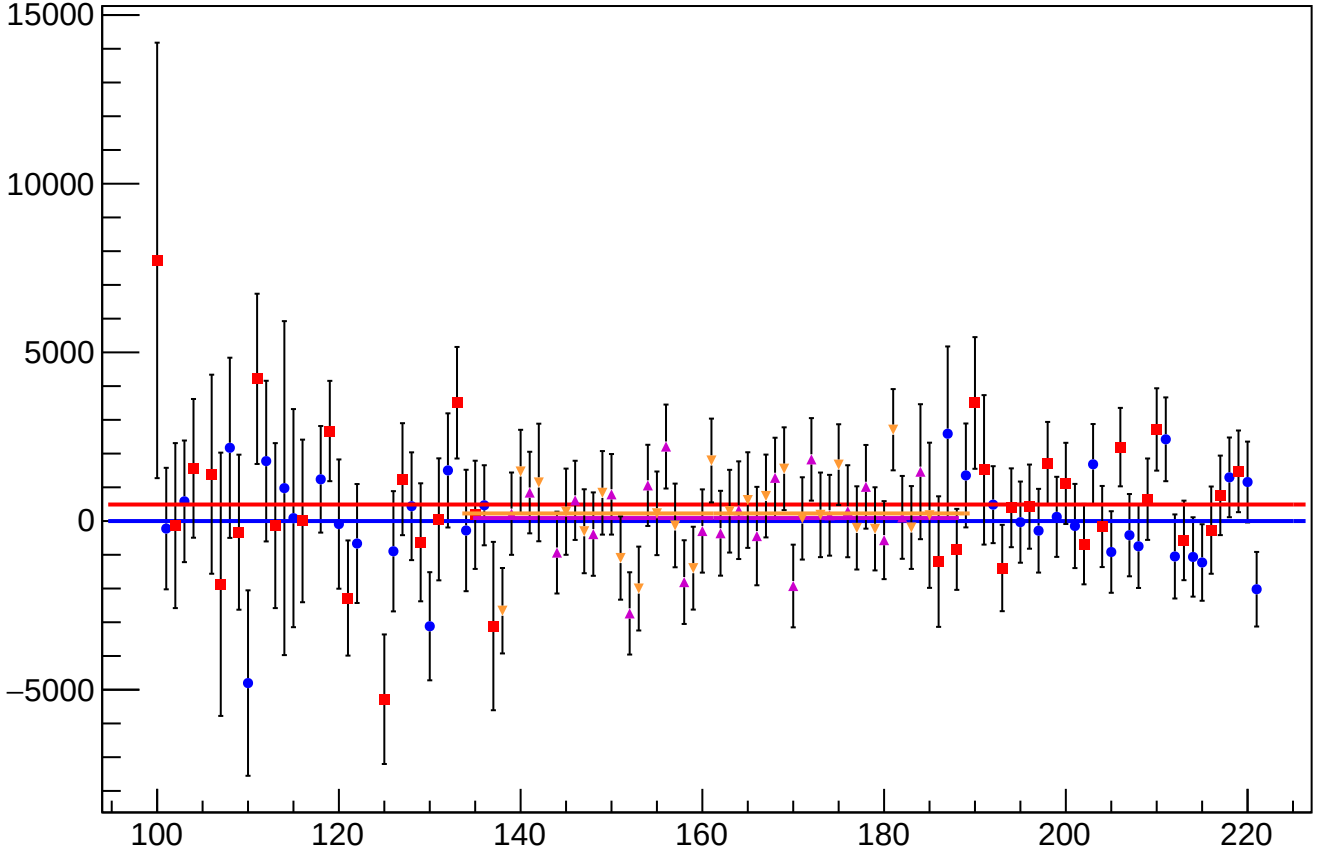
Right: 558.109+/-0.064 χ^2/NDF: 8577868.3/69

In: 549.745+/-0.064 χ^2/NDF:4861571.7/56

Out: 560.247+/-0.066 χ^2/NDF:5996902.6/59

All: 554.819+/-0.046 χ^2/NDF: 10871625.0/11

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: 490.145+/-256.038 χ^2/NDF: 41.1/35

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

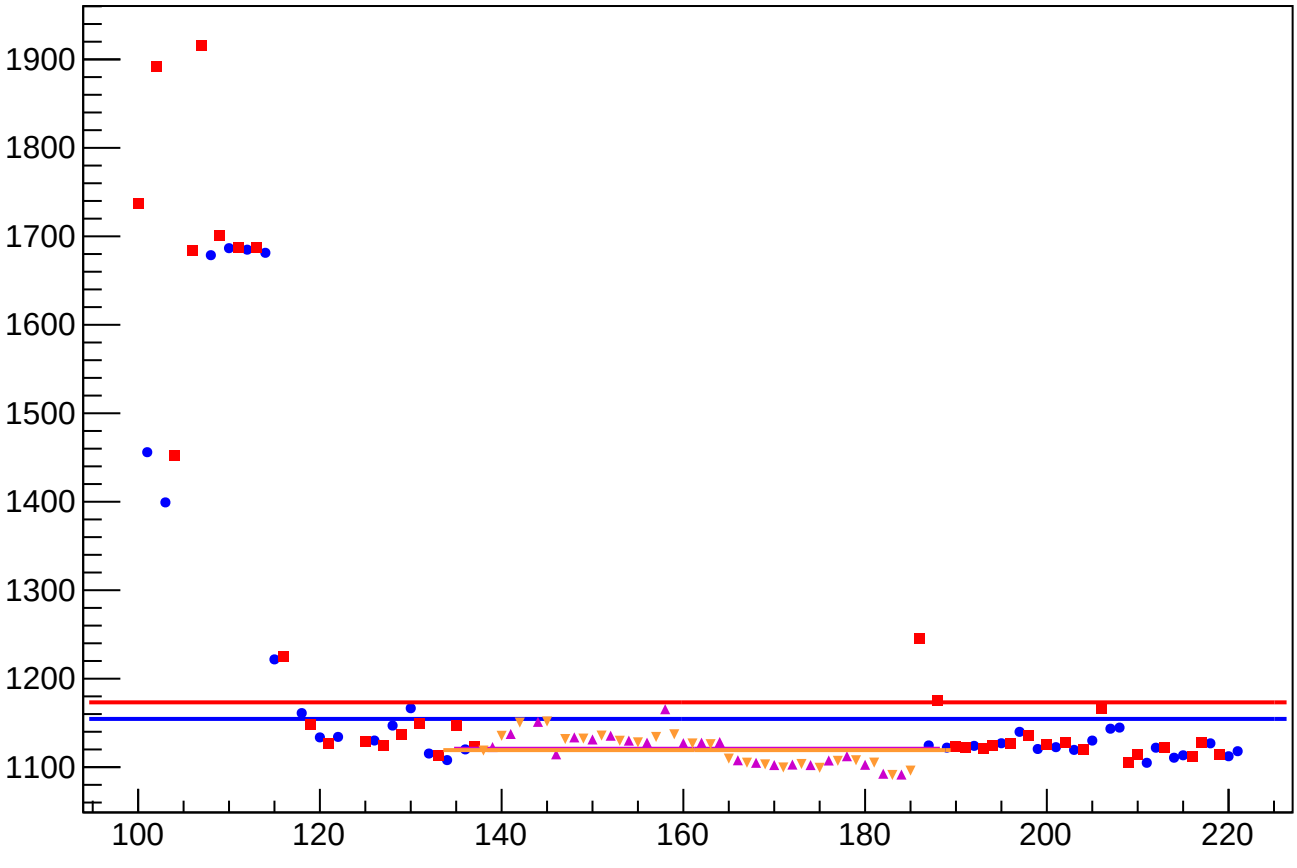
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 235.911+/-177.661 χ^2/NDF: 70.3/69

In: 41.831+/-179.526 χ^2/NDF:48.0/56

Out: 359.847+/-182.372 χ^2/NDF:63.8/59

All: 198.338+/-127.938 χ^2/NDF: 113.3/116



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: 1173.249+/-0.181 χ^2/NDF: 699233.9/35

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

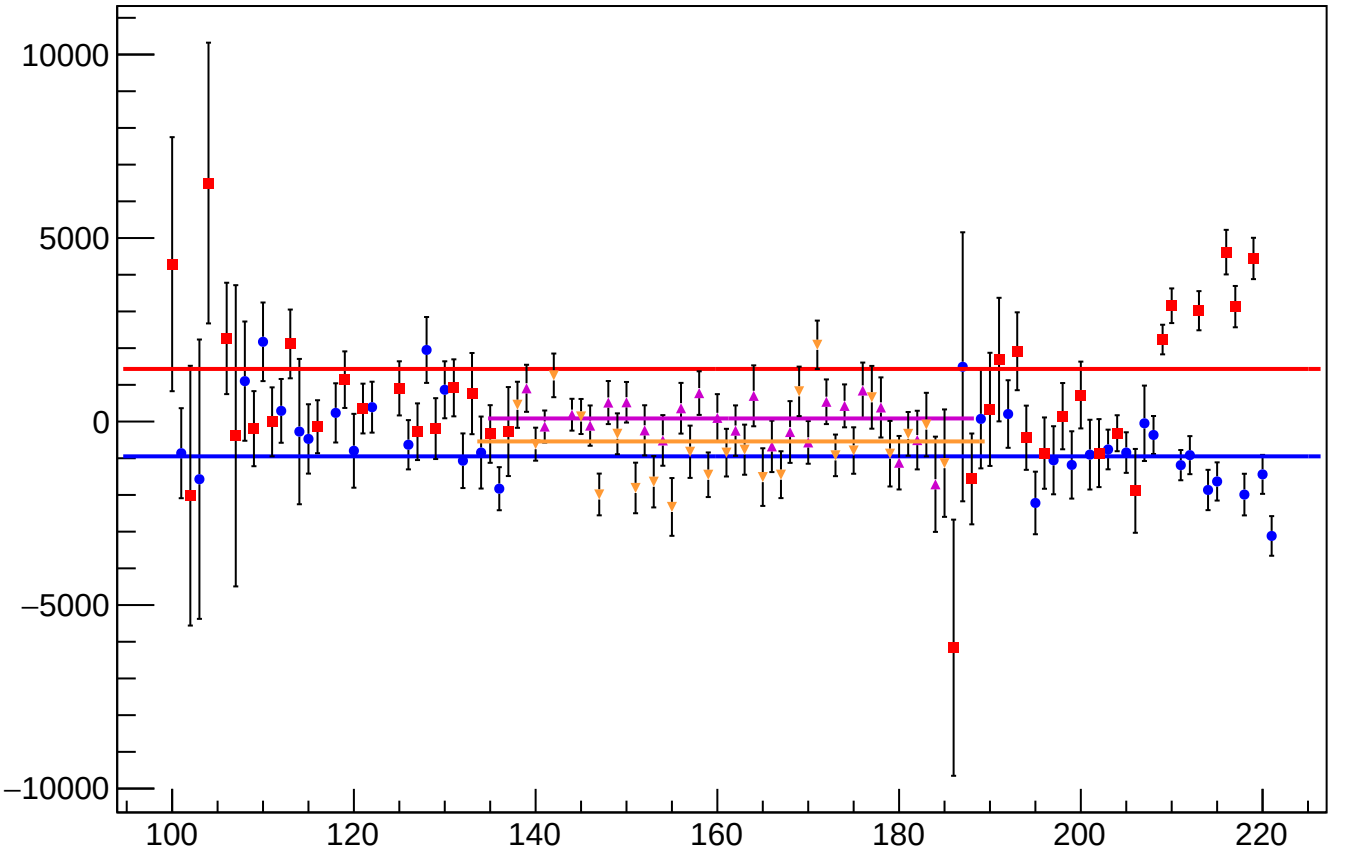
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1163.536+/-0.126 χ^2/NDF: 1103009.2/69

In: 1138.652+/-0.127 χ^2/NDF:425226.8/56

Out: 1146.650+/-0.129 χ^2/NDF:751189.5/59

All: 1142.588+/-0.090 χ^2/NDF: 1178369.7/11



Right In: -948.350+/-124.159 χ^2/NDF: 69.1/33

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 1433.142+/-133.722 χ^2/NDF: 176.6/35

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

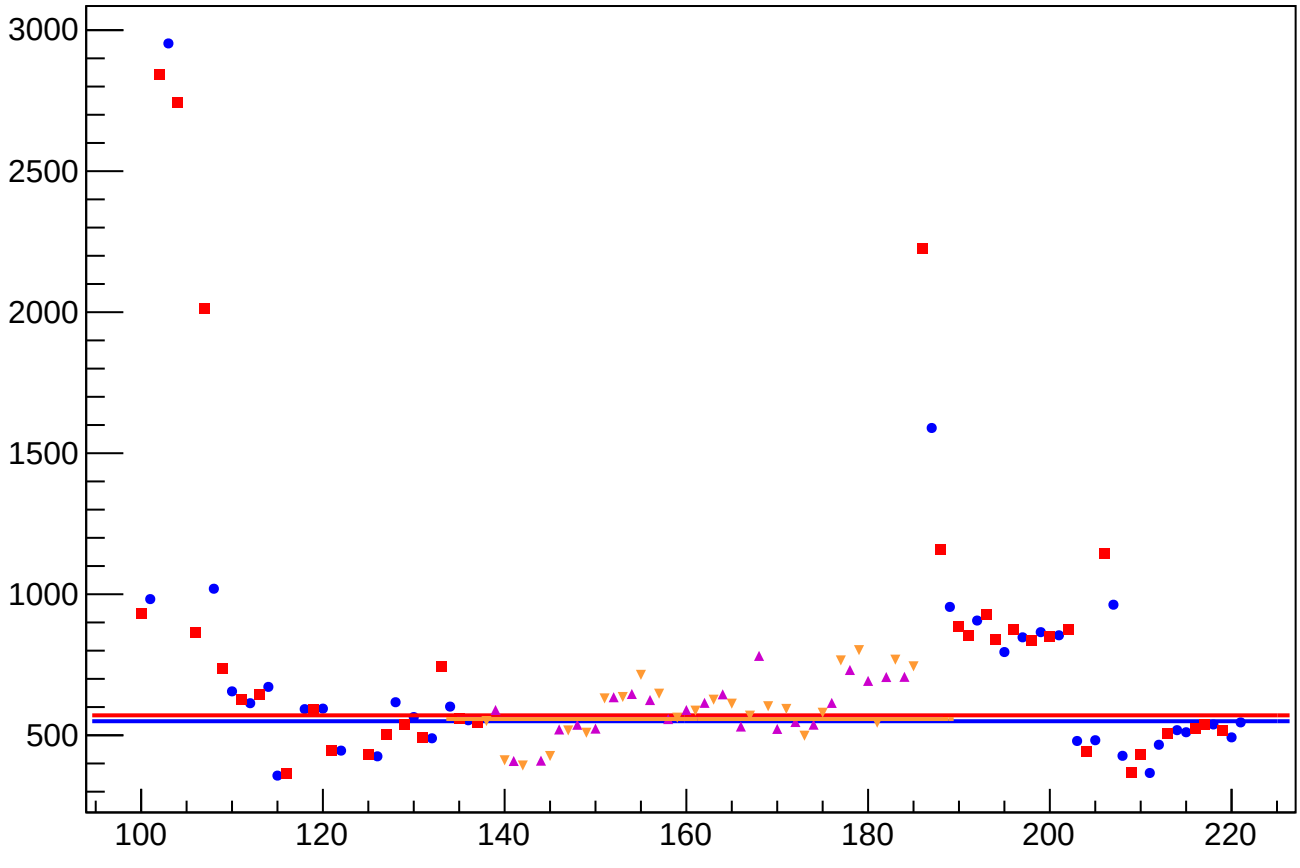
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

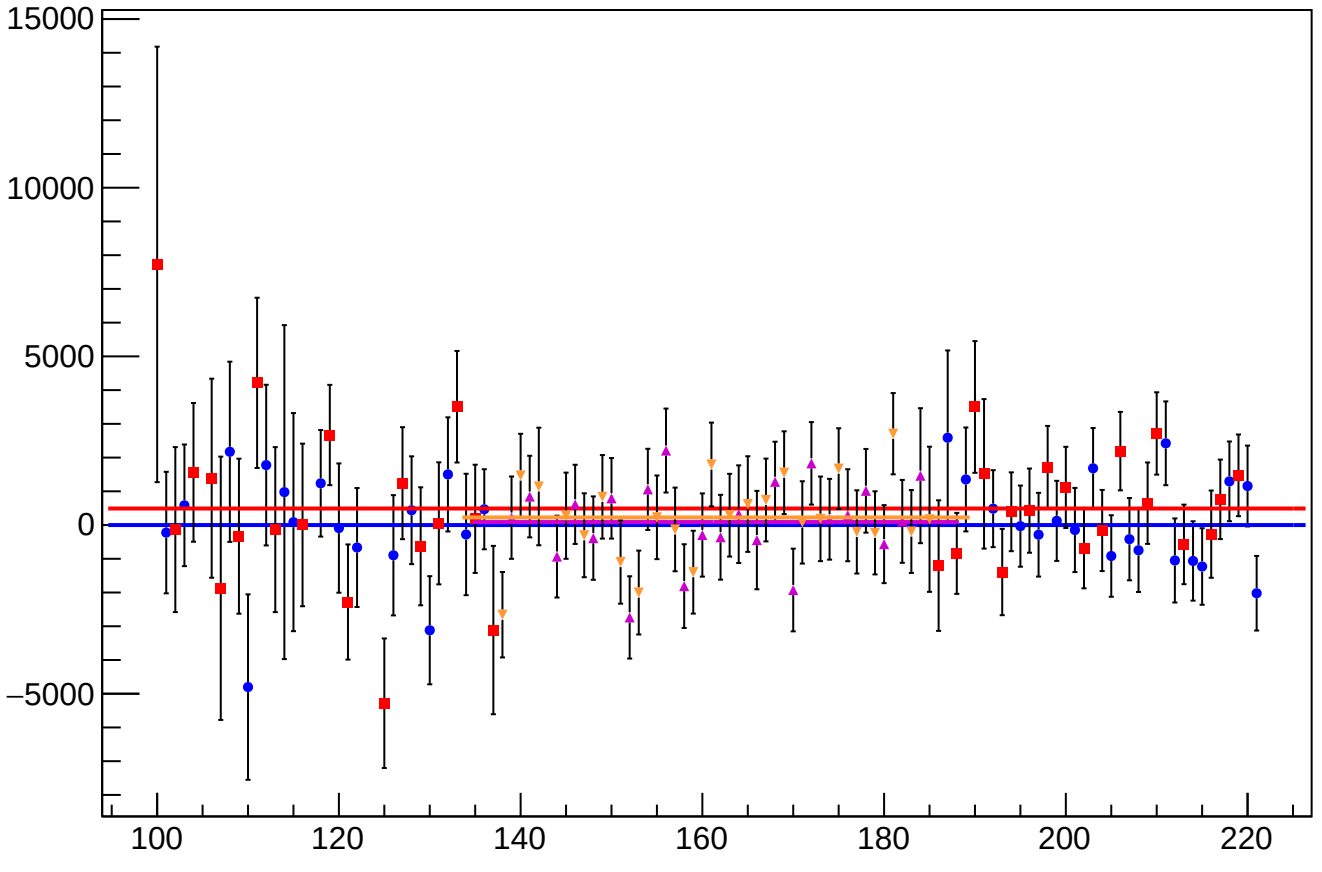
Right: 154.208+/-90.987 χ^2/NDF: 416.0/69

In: -465.818+/-90.615 χ^2/NDF:117.8/56

Out: 433.065+/-93.945 χ^2/NDF:347.9/59

All: -32.593+/-65.220 χ^2/NDF: 513.2/116


asym_usl_atl1_dd_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: 3934864.7/33
Left Out: 557.592+/-0.093 χ²/NDF:1193270.2/23
Right Out: 570.668+/-0.095 χ²/NDF: 5888315.2/35
Left In: 558.393+/-0.094 χ²/NDF:1027814.4/22
Left: 557.991+/-0.066 χ²/NDF: 2221121.2/46
Right: 559.466+/-0.064 χ²/NDF: 9849316.0/69
In: 553.820+/-0.064 χ²/NDF:4967147.8/56
Out: 564.046+/-0.066 χ²/NDF:7091270.6/59
All: 558.748+/-0.046 χ²/NDF: 12070692.7/11



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: 490.144+/-256.038 χ^2/NDF: 41.1/35

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

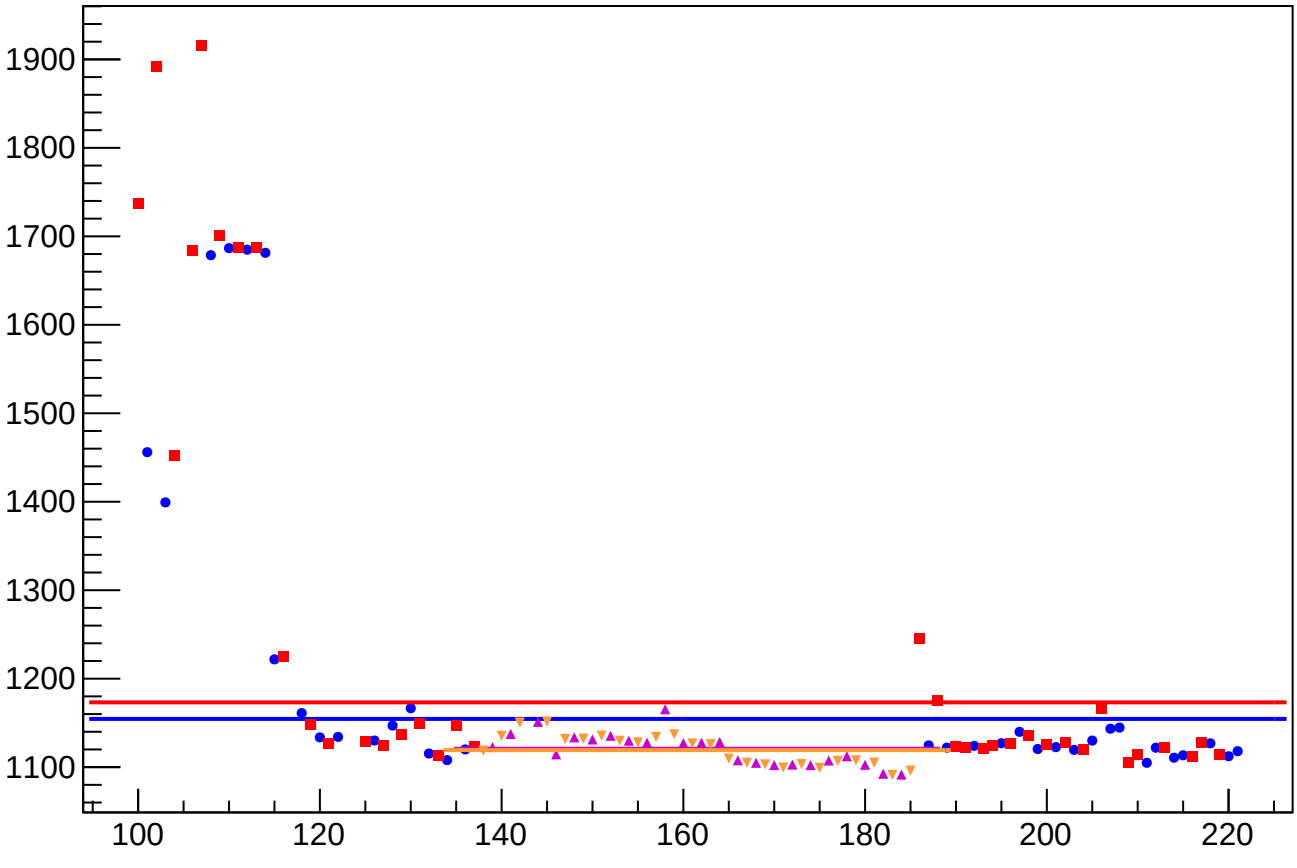
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 235.912+/-177.661 χ^2/NDF: 70.3/69

In: 41.832+/-179.526 χ^2/NDF:48.0/56

Out: 359.846+/-182.372 χ^2/NDF:63.8/59

All: 198.338+/-127.938 χ^2/NDF: 113.3/116



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: 1173.249+/-0.181 χ^2/NDF: 699233.2/35

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

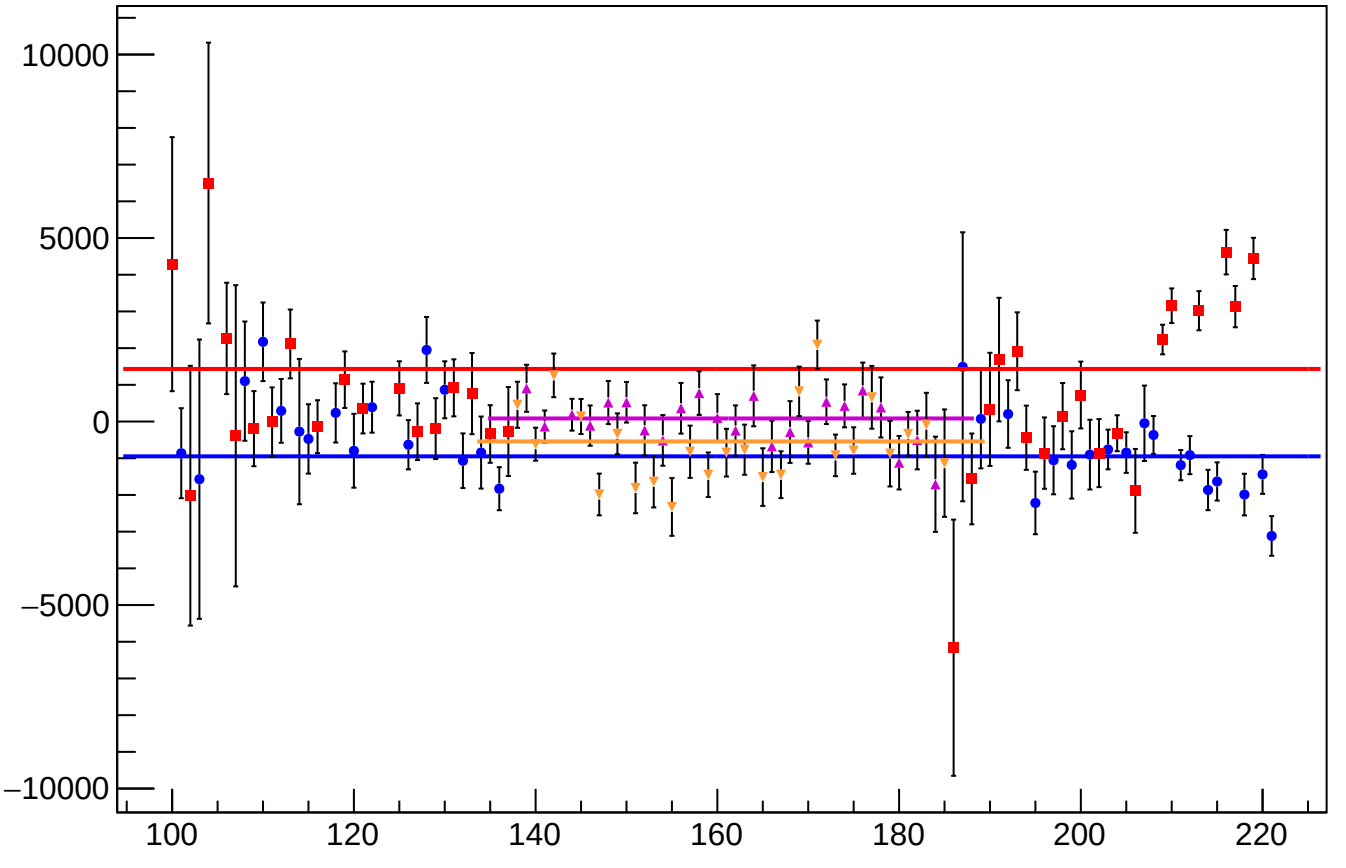
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1163.536+/-0.126 χ^2/NDF: 1103007.9/69

In: 1138.652+/-0.127 χ^2/NDF:425226.2/56

Out: 1146.650+/-0.129 χ^2/NDF:751188.8/59

All: 1142.588+/-0.090 χ^2/NDF: 1178368.4/11



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: 1433.143+/-133.722 χ^2/NDF: 176.6/35

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

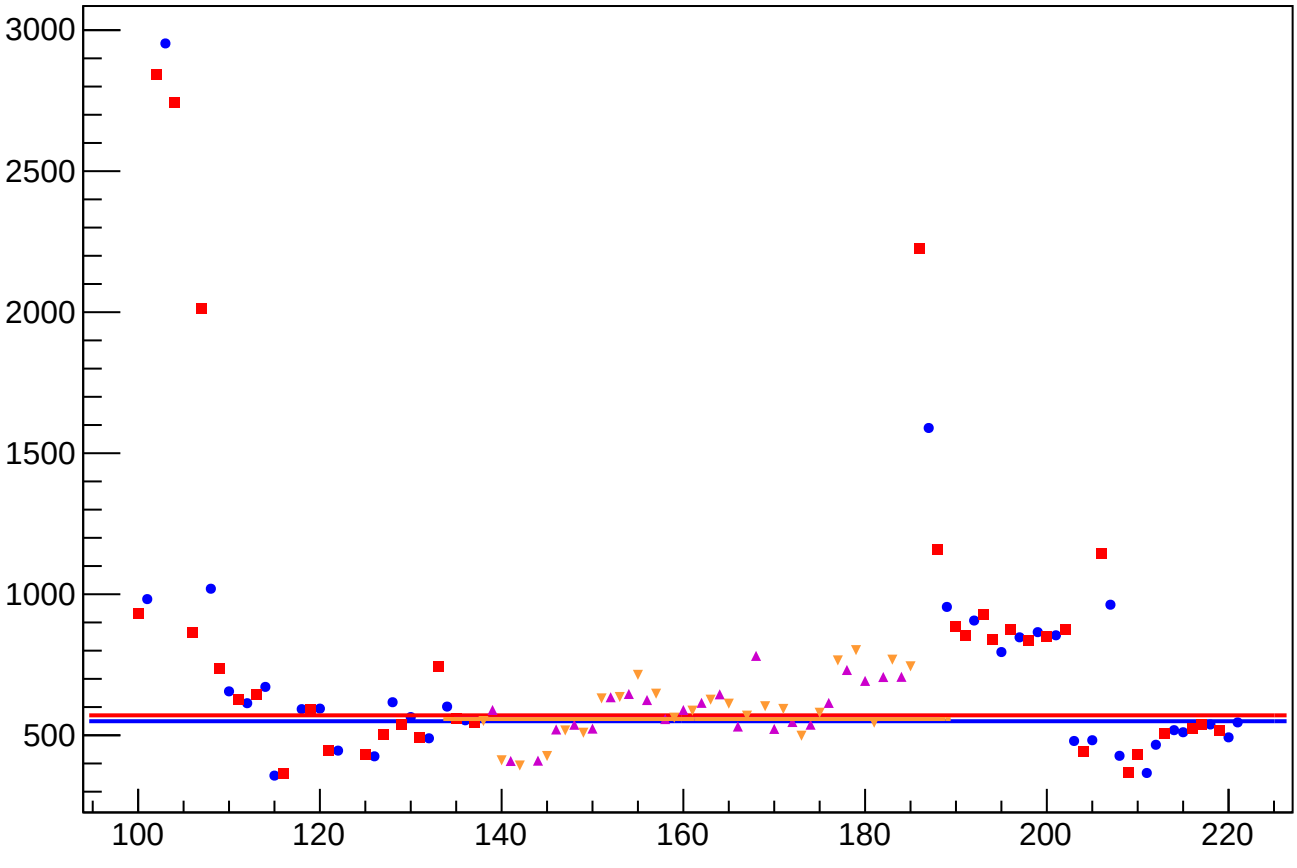
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 154.208+/-90.987 χ^2/NDF: 416.0/69

In: -465.817+/-90.614 χ^2/NDF:117.8/56

Out: 433.066+/-93.945 χ^2/NDF:347.9/59

All: -32.592+/-65.220 χ^2/NDF: 513.2/116


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
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120
140
160
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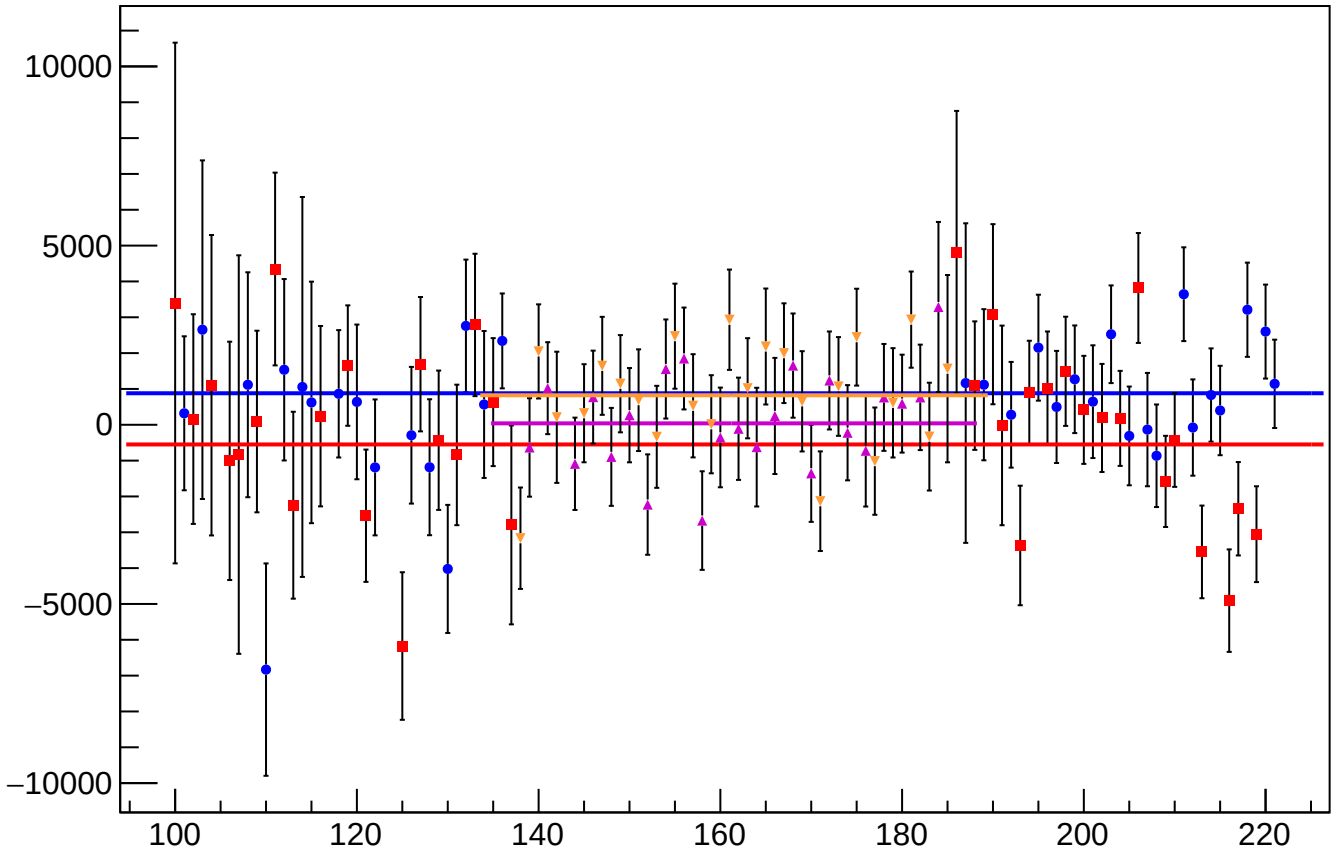
Right In: 549.808+/-0.088 χ²/NDF: 3934867.9/33
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 570.667+/-0.095 χ²/NDF: 5888323.7/35
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 559.465+/-0.064 χ²/NDF: 9849327.8/69
In: 553.820+/-0.064 χ²/NDF:4967165.4/56
Out: 564.045+/-0.066 χ²/NDF:7091300.5/59
All: 558.748+/-0.046 χ²/NDF: 12070740.2/11



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: -549.039+/-302.228 χ^2/NDF: 61.4/35

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

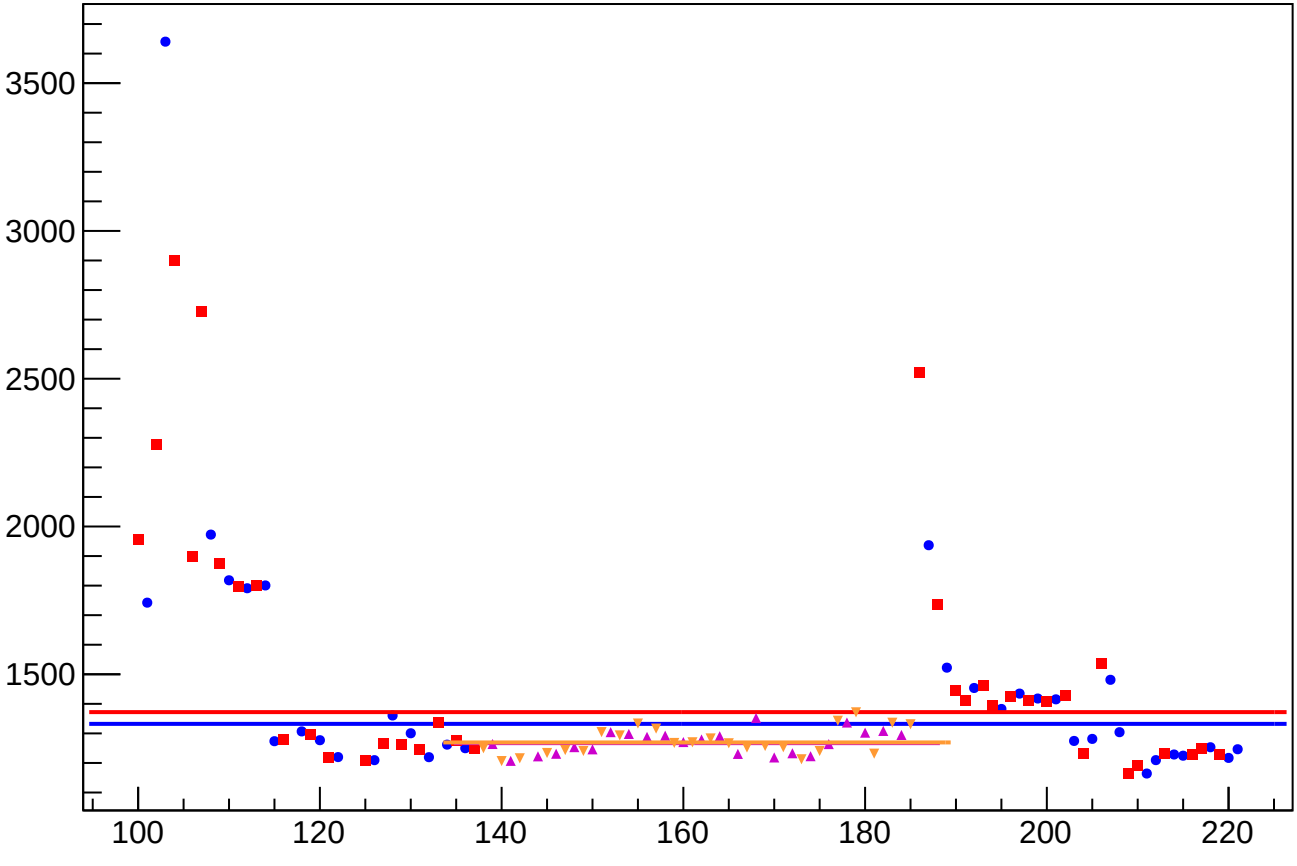
Right: 201.725+/-208.194 χ^2/NDF: 108.0/69

In: 472.377+/-206.127 χ^2/NDF:56.8/56

Out: 154.131+/-211.045 χ^2/NDF:98.2/59

All: 317.005+/-147.462 χ^2/NDF: 156.1/116

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: 1372.022+/-0.214 χ^2/NDF: 1374547.8/35

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

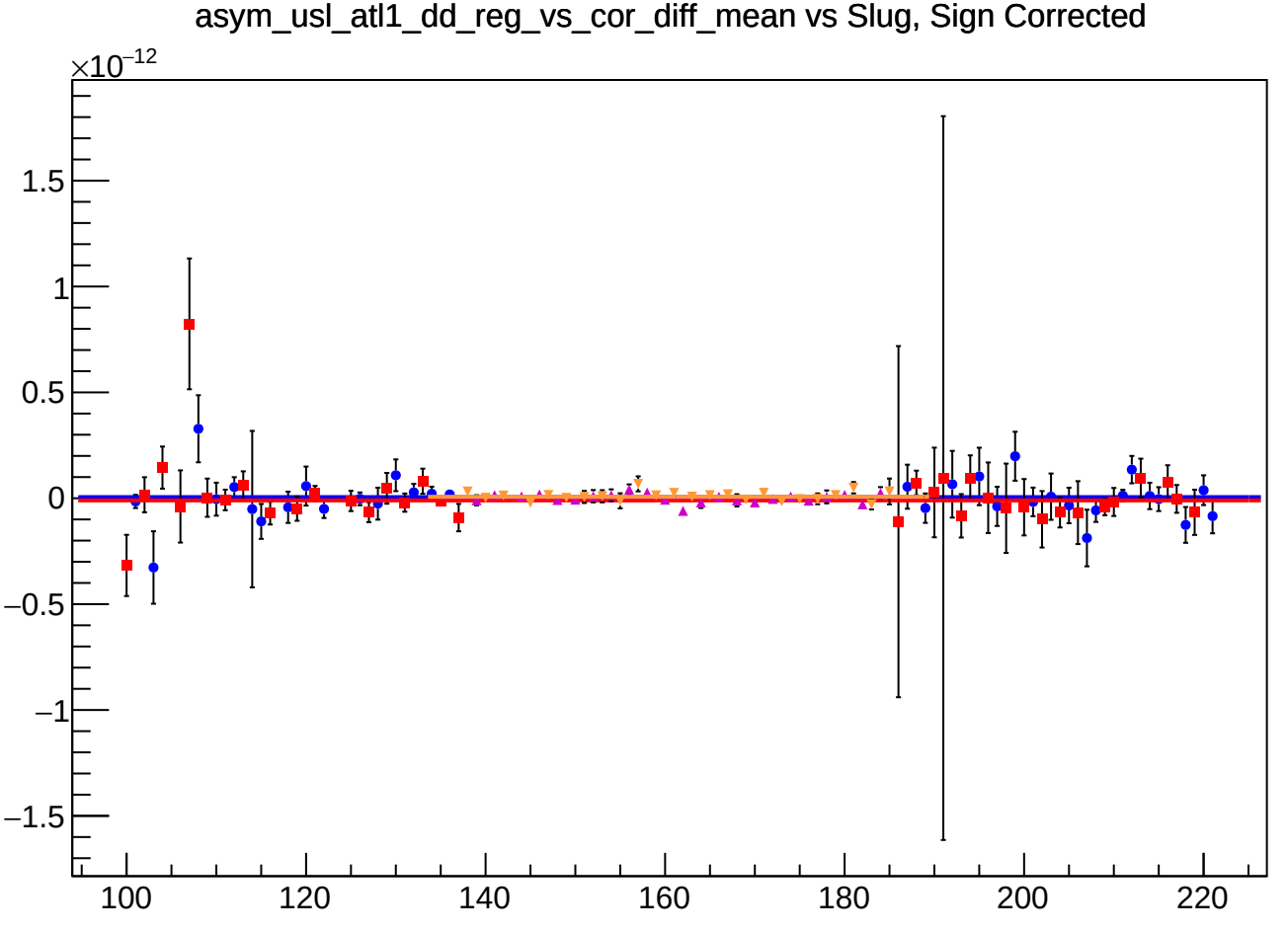
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1351.120+/-0.147 χ^2/NDF: 2421458.4/69

In: 1300.638+/-0.146 χ^2/NDF:1113202.5/56

Out: 1319.461+/-0.149 χ^2/NDF:1535643.8/59

All: 1309.828+/-0.104 χ^2/NDF: 2656988.3/11



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: 32.4/35

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

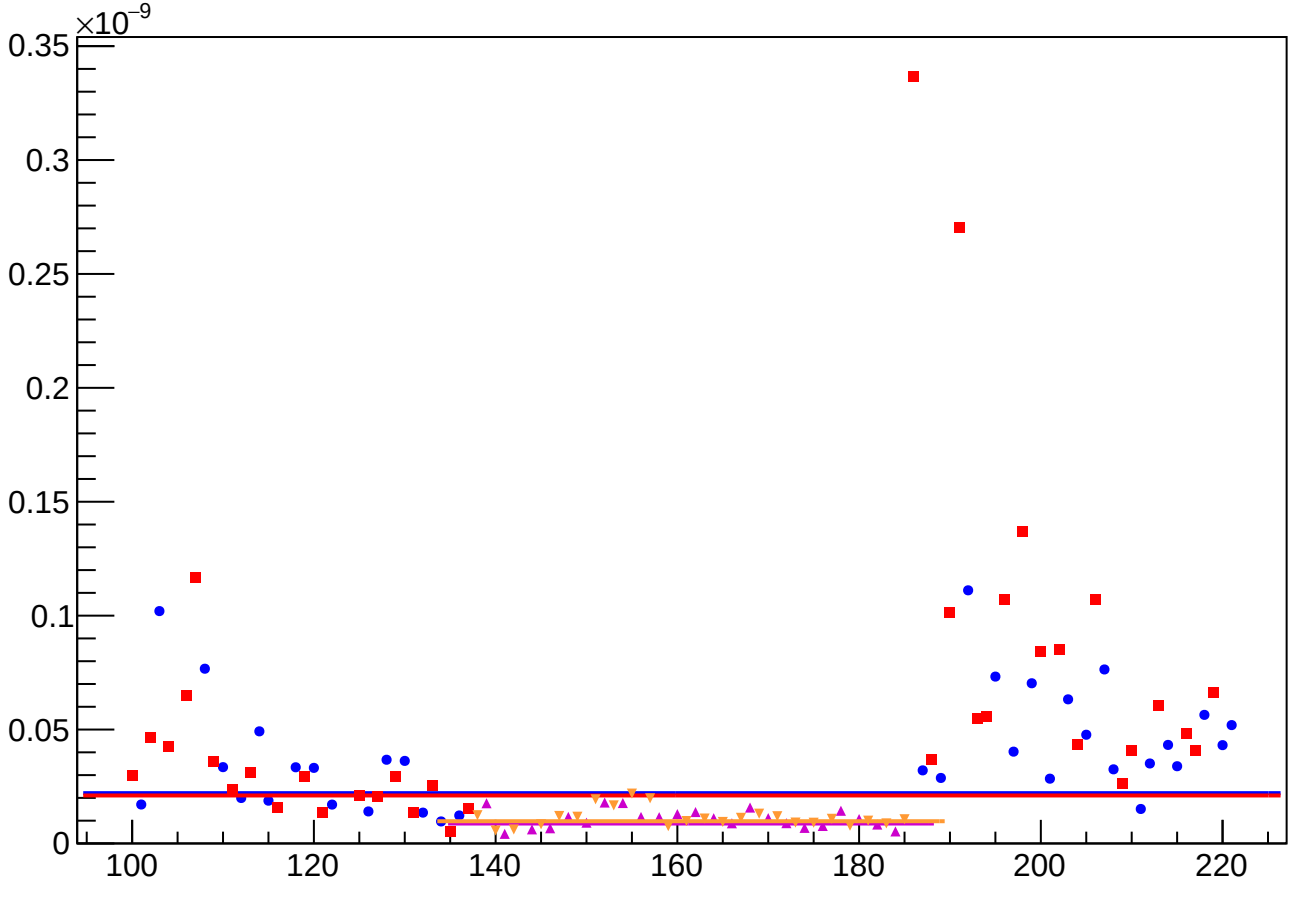
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 66.9/69

In: 0.000+/-0.000 χ^2/NDF:56.1/56

Out: 0.000+/-0.000 χ^2/NDF:54.9/59

All: 0.000+/-0.000 χ^2/NDF: 111.1/116



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: 8531492.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

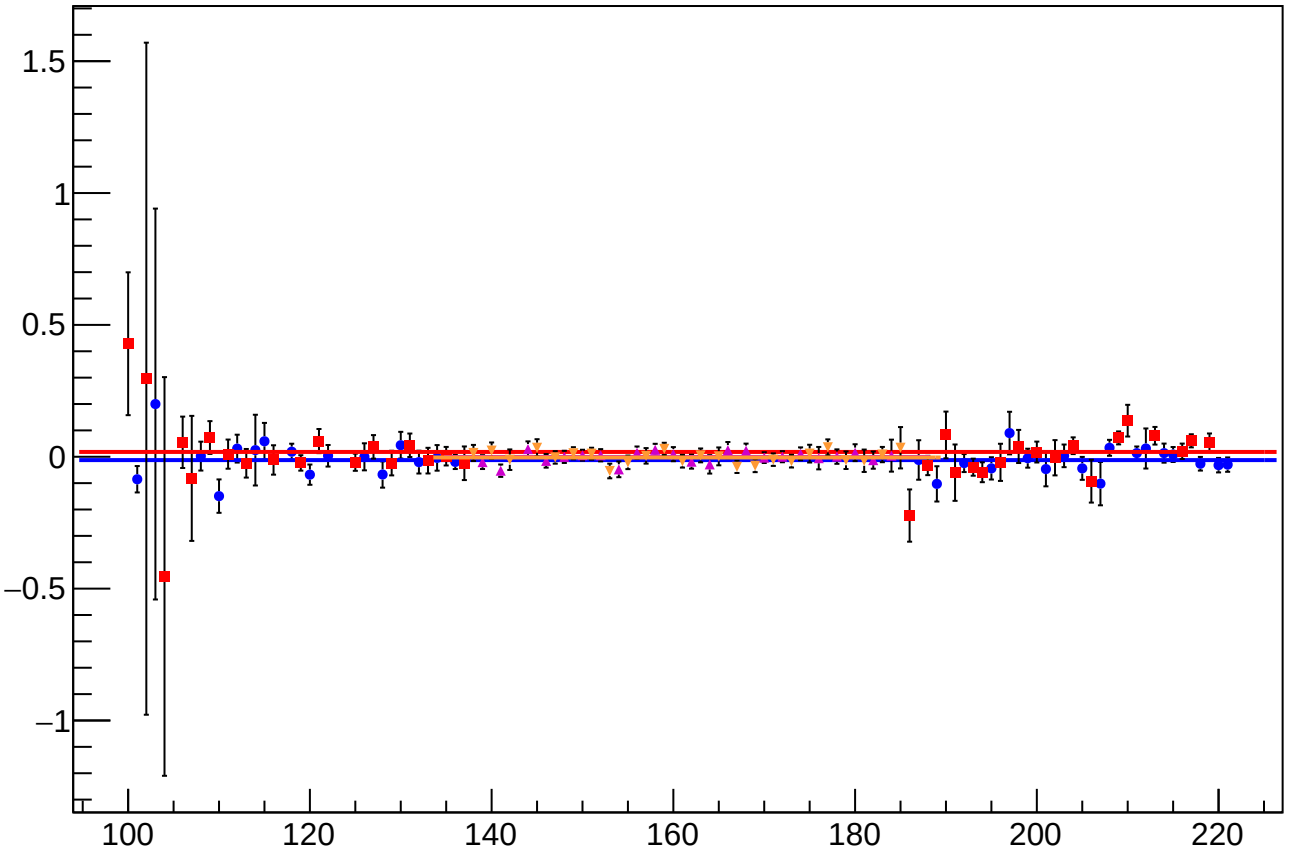
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 14207527.6/69

In: 0.000+/-0.000 χ^2/NDF:11384198.5/56

Out: 0.000+/-0.000 χ^2/NDF:12359247.0/59

All: 0.000+/-0.000 χ^2/NDF: 23789402.9/116



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: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

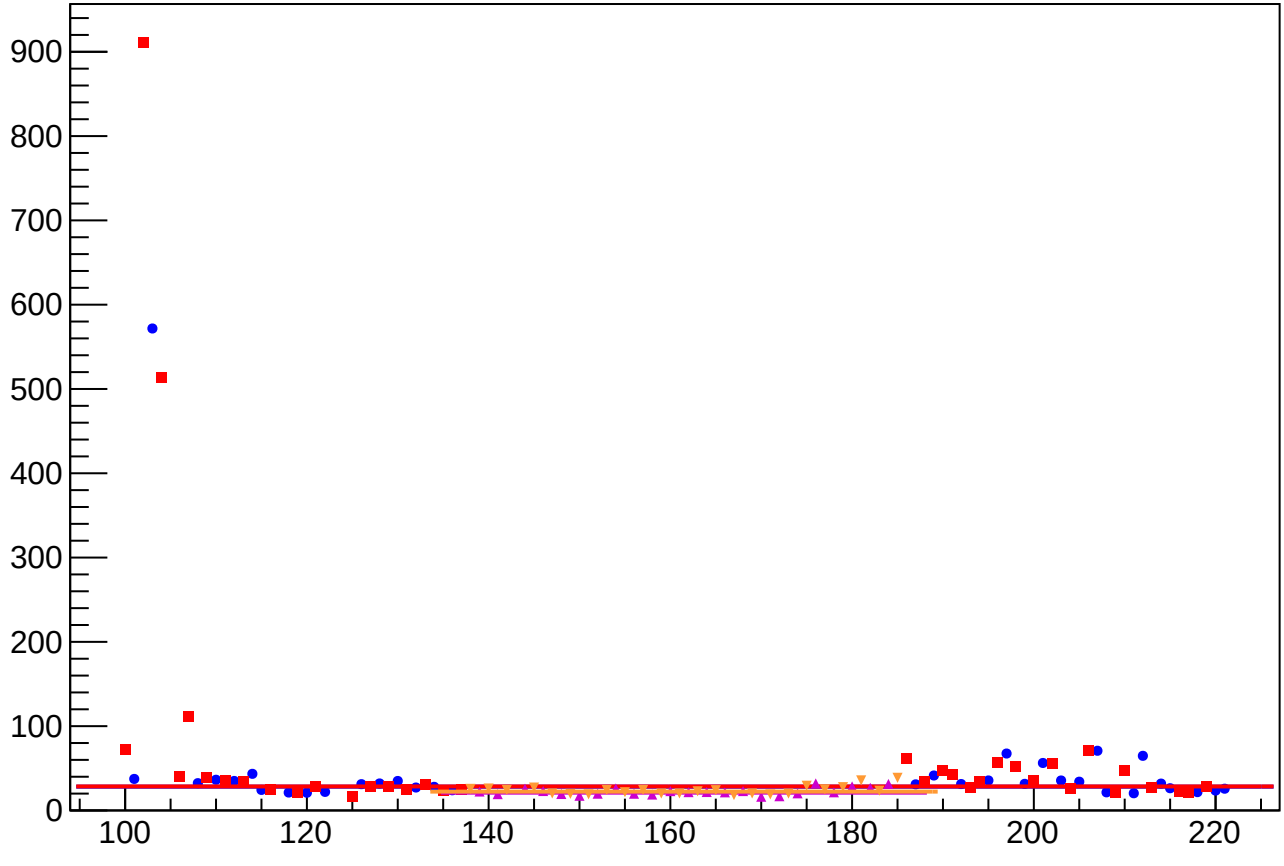
Right: 0.002+/-0.005 χ^2/NDF: 83.2/69

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: -0.000+/-0.003 χ^2/NDF: 114.8/116

asym_usl_atl1_dd_dit_vs_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: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

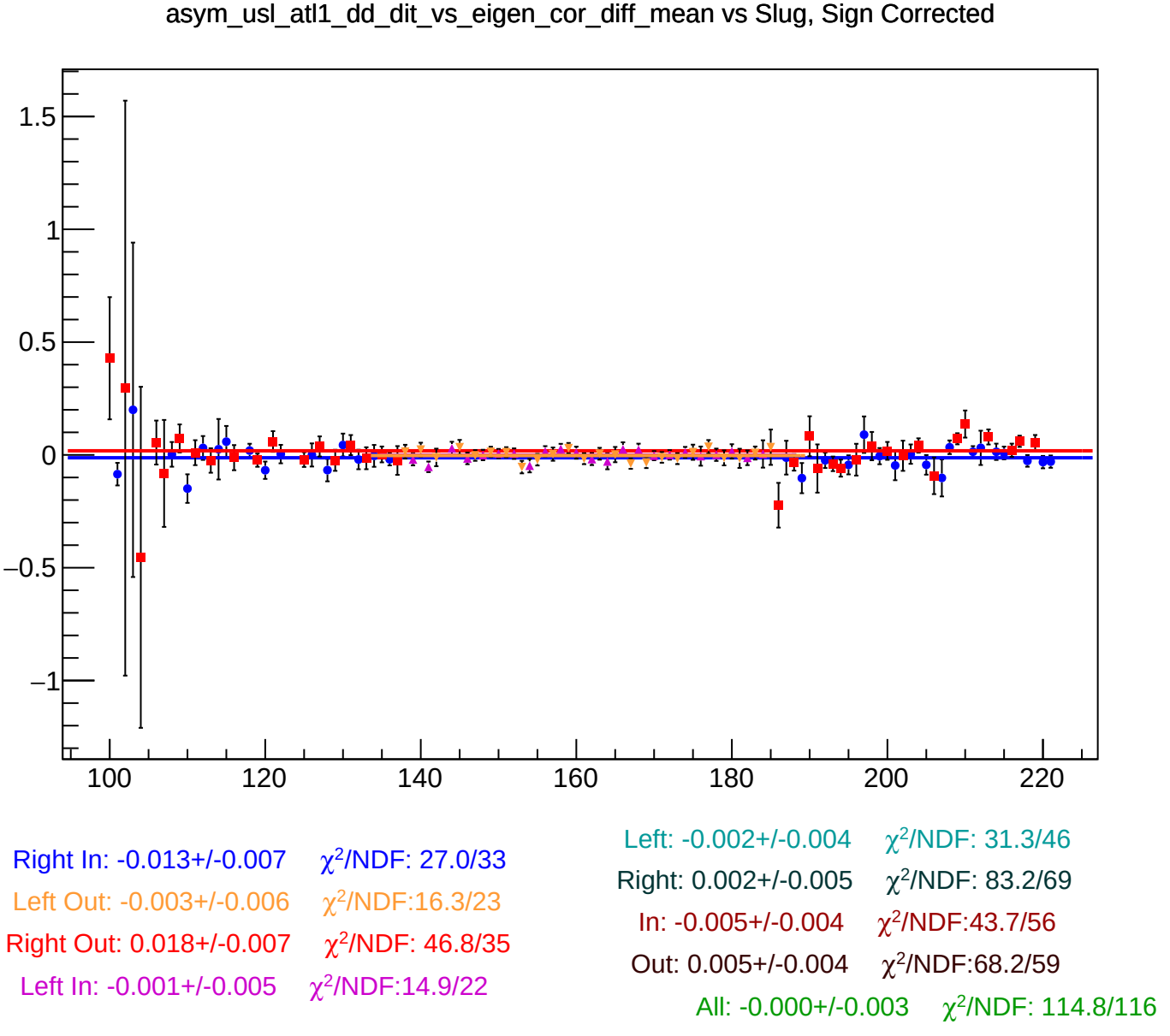
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

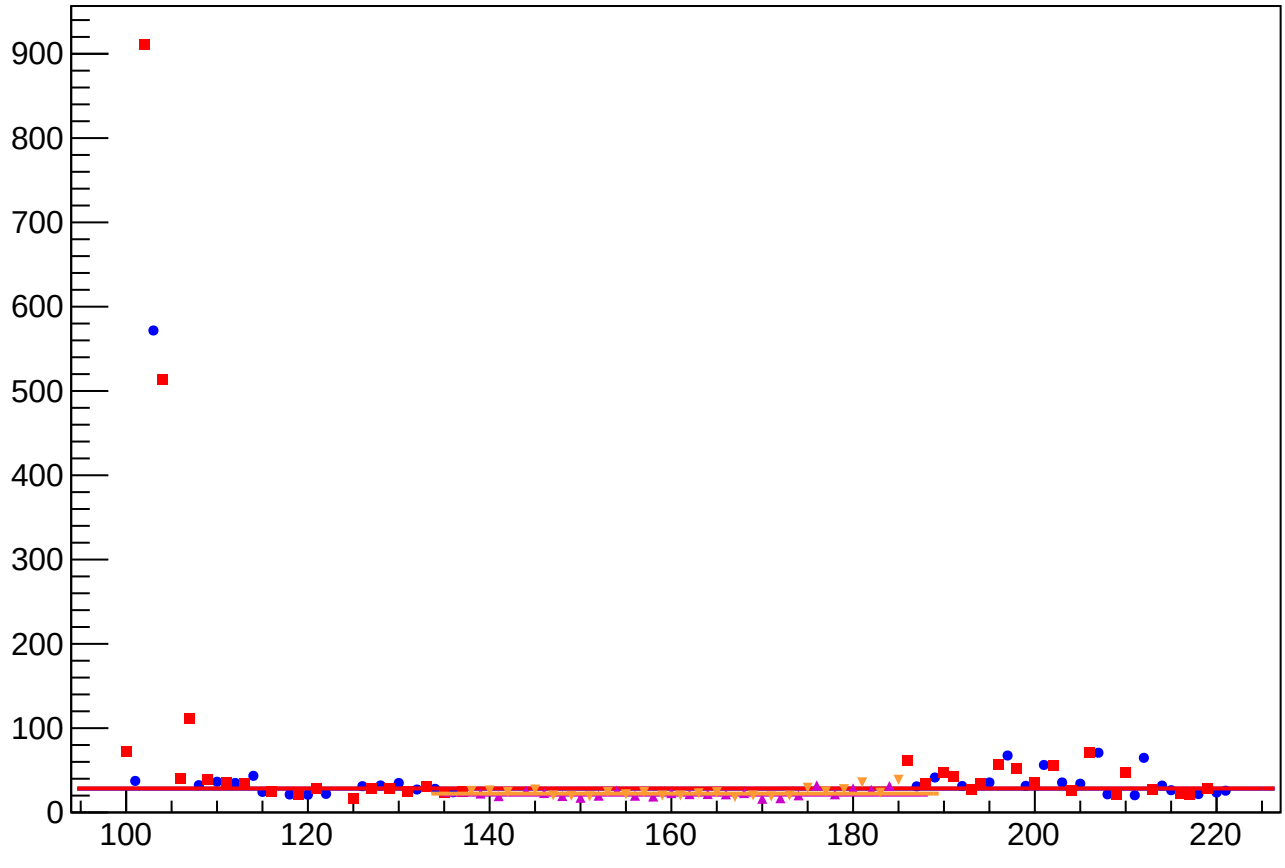
Right: 28.346+/-0.004 χ^2/NDF: 9550839.4/69

In: 23.821+/-0.003 χ^2/NDF:6331537.0/56

Out: 24.658+/-0.003 χ^2/NDF:7024557.9/59

All: 24.221+/-0.002 χ^2/NDF: 13392404.8/116


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
220
Right In: -0.013+/-0.007 χ²/NDF: 27.0/33
Left Out: -0.003+/-0.006 χ²/NDF:16.3/23
Right Out: 0.018+/-0.007 χ²/NDF: 46.8/35
Left In: -0.001+/-0.005 χ²/NDF:14.9/22
Left: -0.002+/-0.004 χ²/NDF: 31.3/46
Right: 0.002+/-0.005 χ²/NDF: 83.2/69
In: -0.005+/-0.004 χ²/NDF:43.7/56
Out: 0.005+/-0.004 χ²/NDF:68.2/59
All: -0.000+/-0.003 χ²/NDF: 114.8/116



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: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

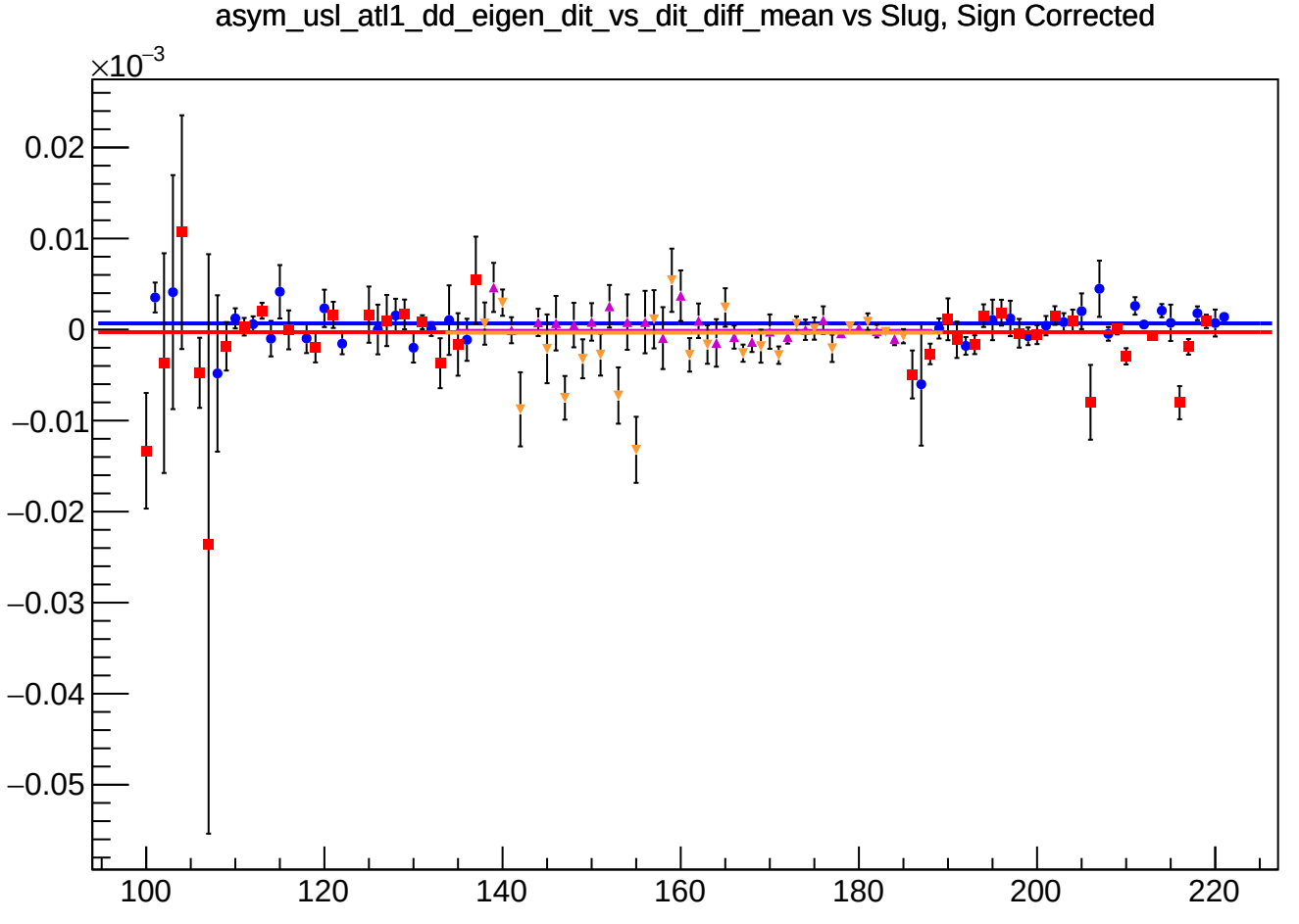
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.346+/-0.004 χ^2/NDF: 9550839.4/69

In: 23.821+/-0.003 χ^2/NDF:6331537.0/56

Out: 24.658+/-0.003 χ^2/NDF:7024557.9/59

All: 24.221+/-0.002 χ^2/NDF: 13392404.8/116



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: 81.1/35

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

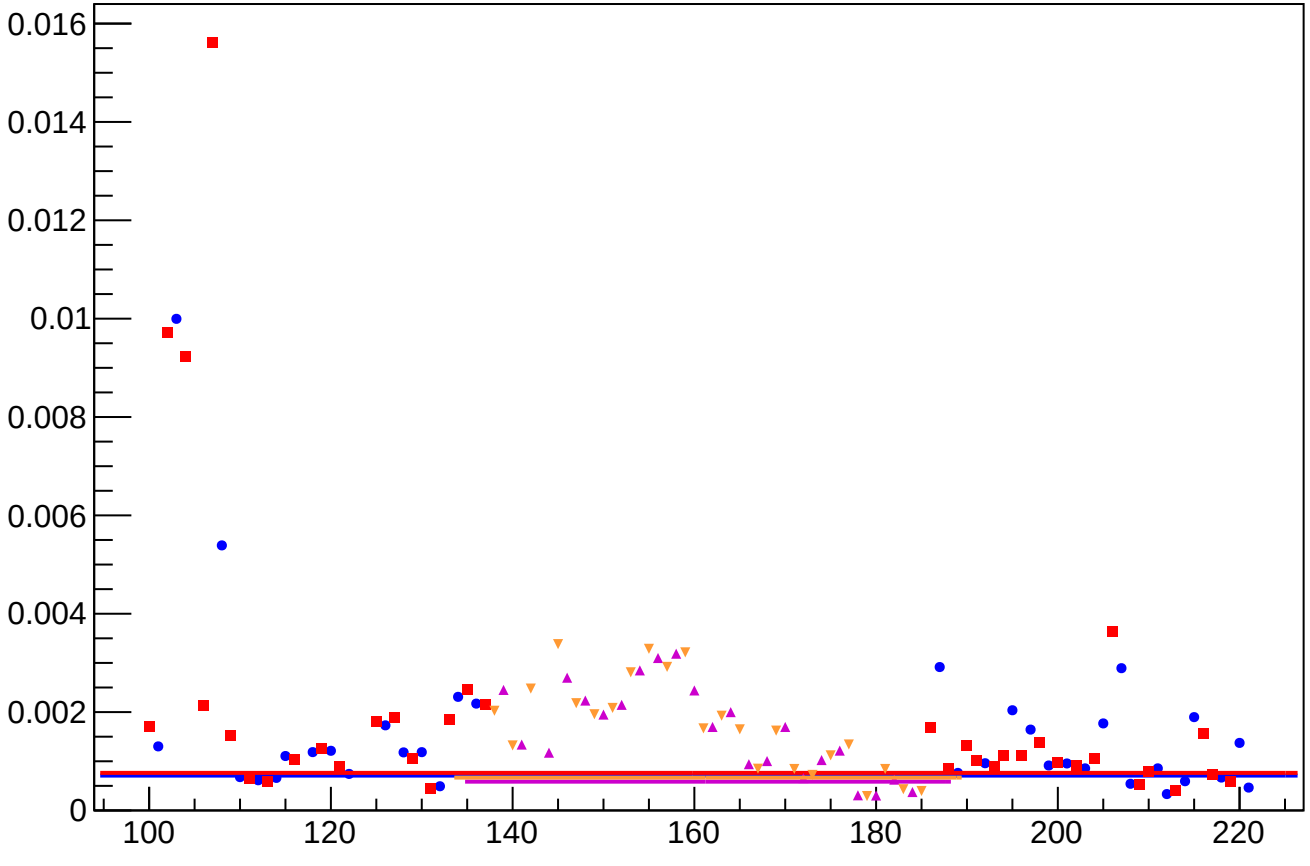
Right: 0.000+/-0.000 χ^2/NDF: 135.1/69

In: 0.000+/-0.000 χ^2/NDF:65.6/56

Out: -0.000+/-0.000 χ^2/NDF:149.2/59

All: 0.000+/-0.000 χ^2/NDF: 223.8/116

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: 9317006.0/35

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

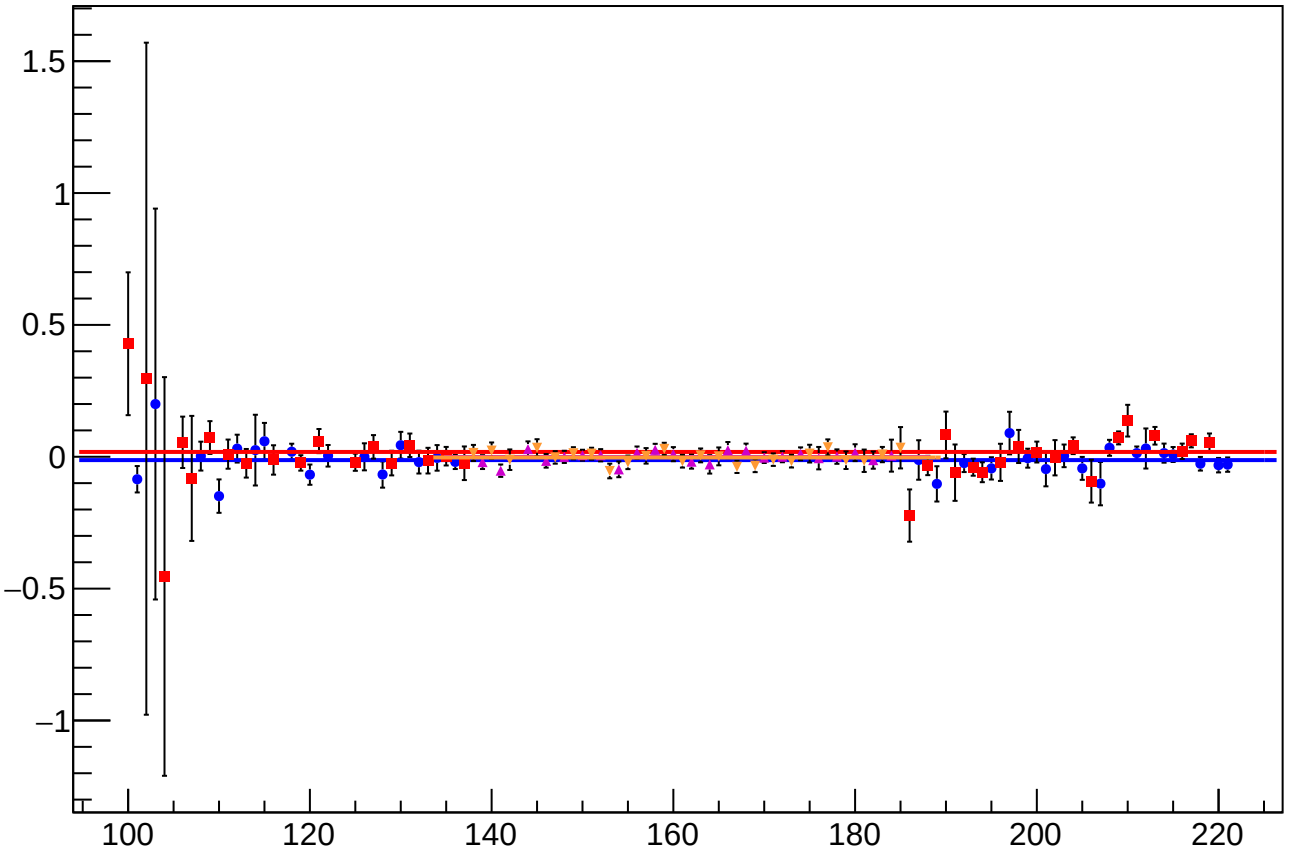
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 20352176.5/69

In: 0.001+/-0.000 χ^2/NDF:27054242.1/56

Out: 0.001+/-0.000 χ^2/NDF:24915152.1/59

All: 0.001+/-0.000 χ^2/NDF: 52217515.7/116



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: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

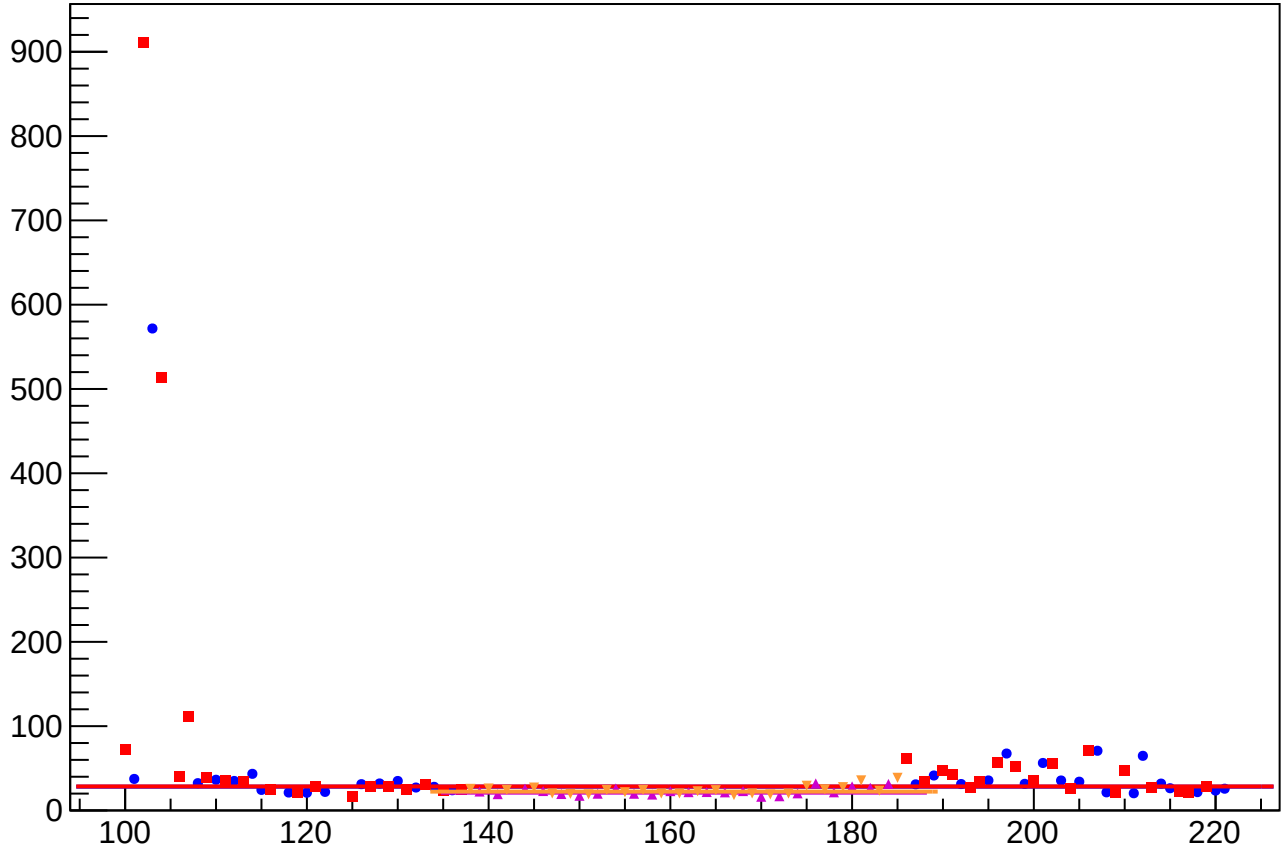
Right: 0.002+/-0.005 χ^2/NDF: 83.2/69

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: -0.000+/-0.003 χ^2/NDF: 114.8/116

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: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

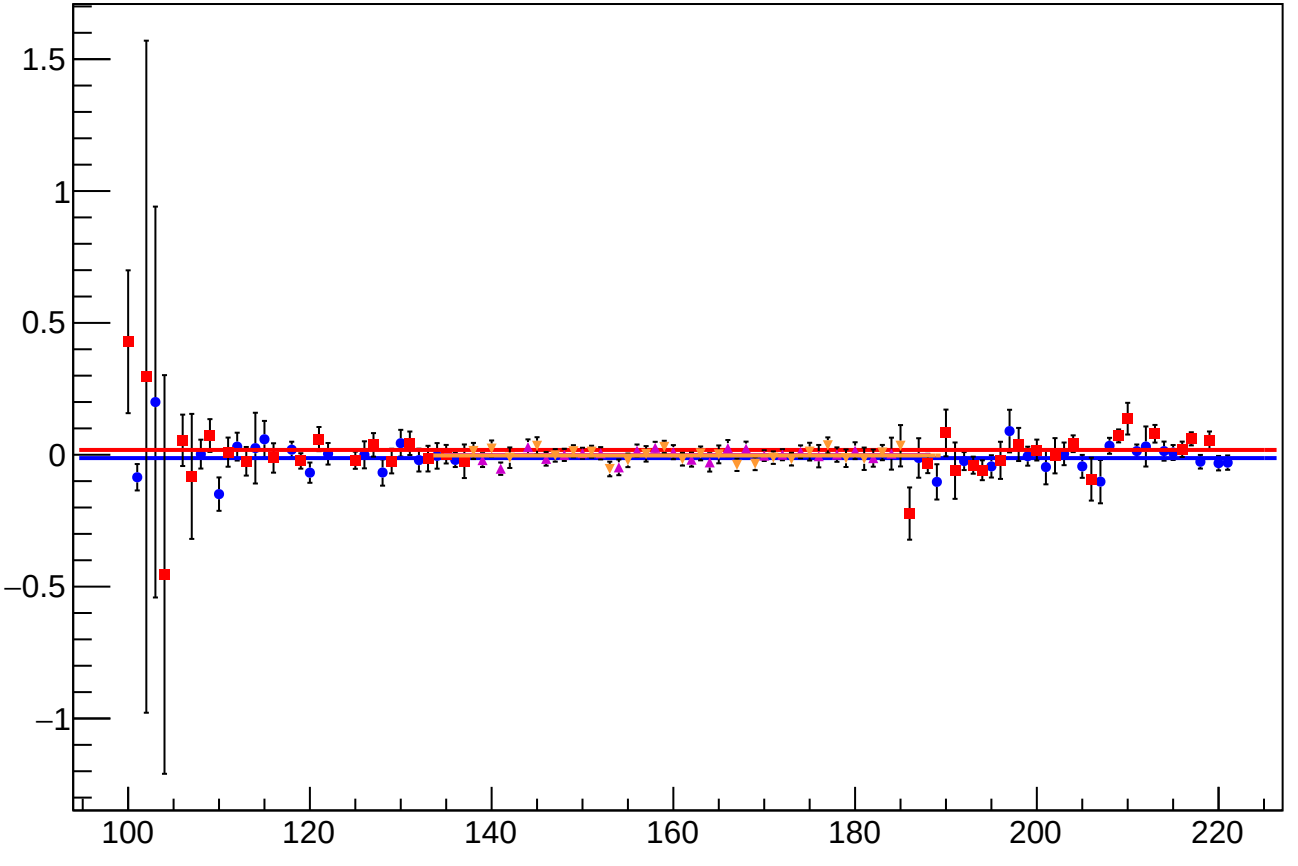
Right: 28.346+/-0.004 χ^2/NDF: 9550968.6/69

In: 23.820+/-0.003 χ^2/NDF:6331620.2/56

Out: 24.658+/-0.003 χ^2/NDF:7024626.7/59

All: 24.221+/-0.002 χ^2/NDF: 13392553.0/116

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: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

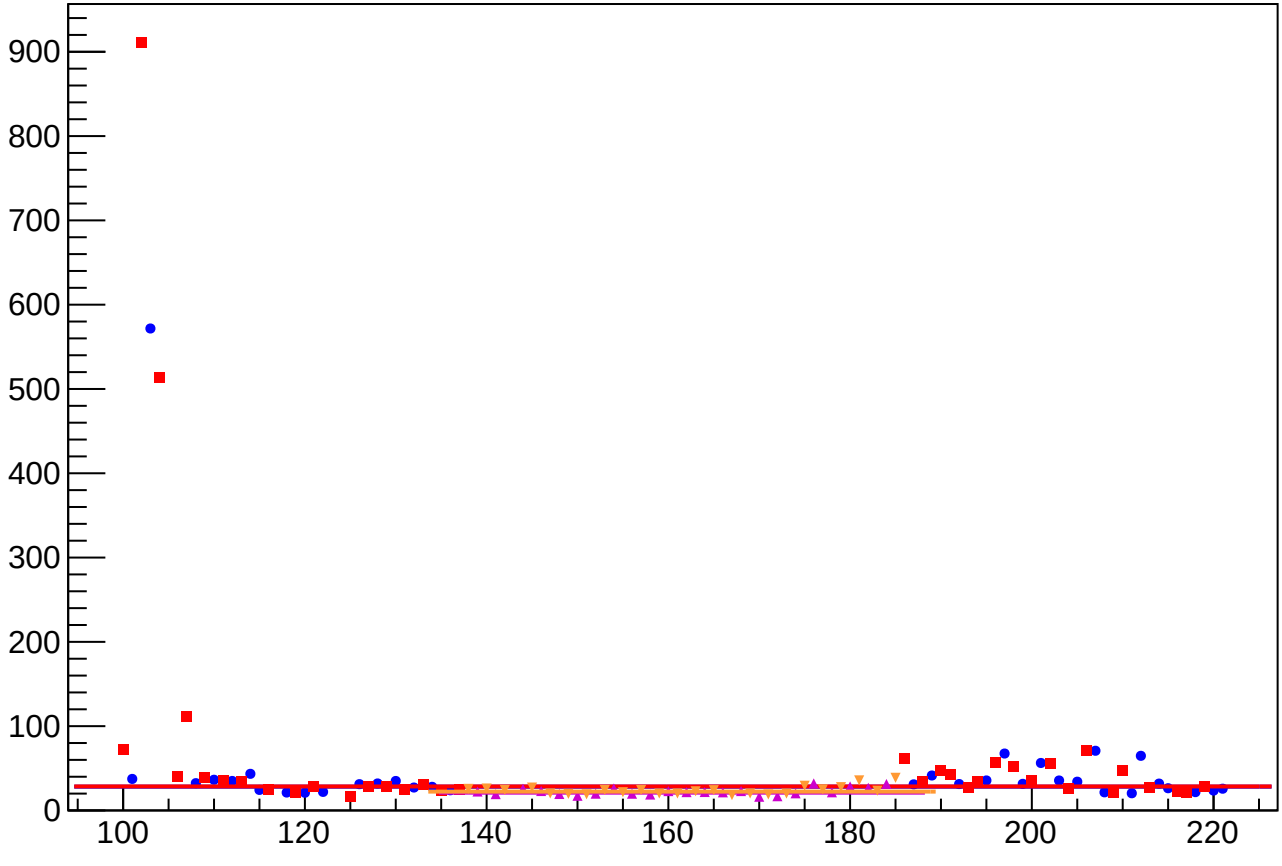
Right: 0.002+/-0.005 χ^2/NDF: 83.2/69

In: -0.005+/-0.004 χ^2/NDF:43.7/56

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: -0.000+/-0.003 χ^2/NDF: 114.8/116

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: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

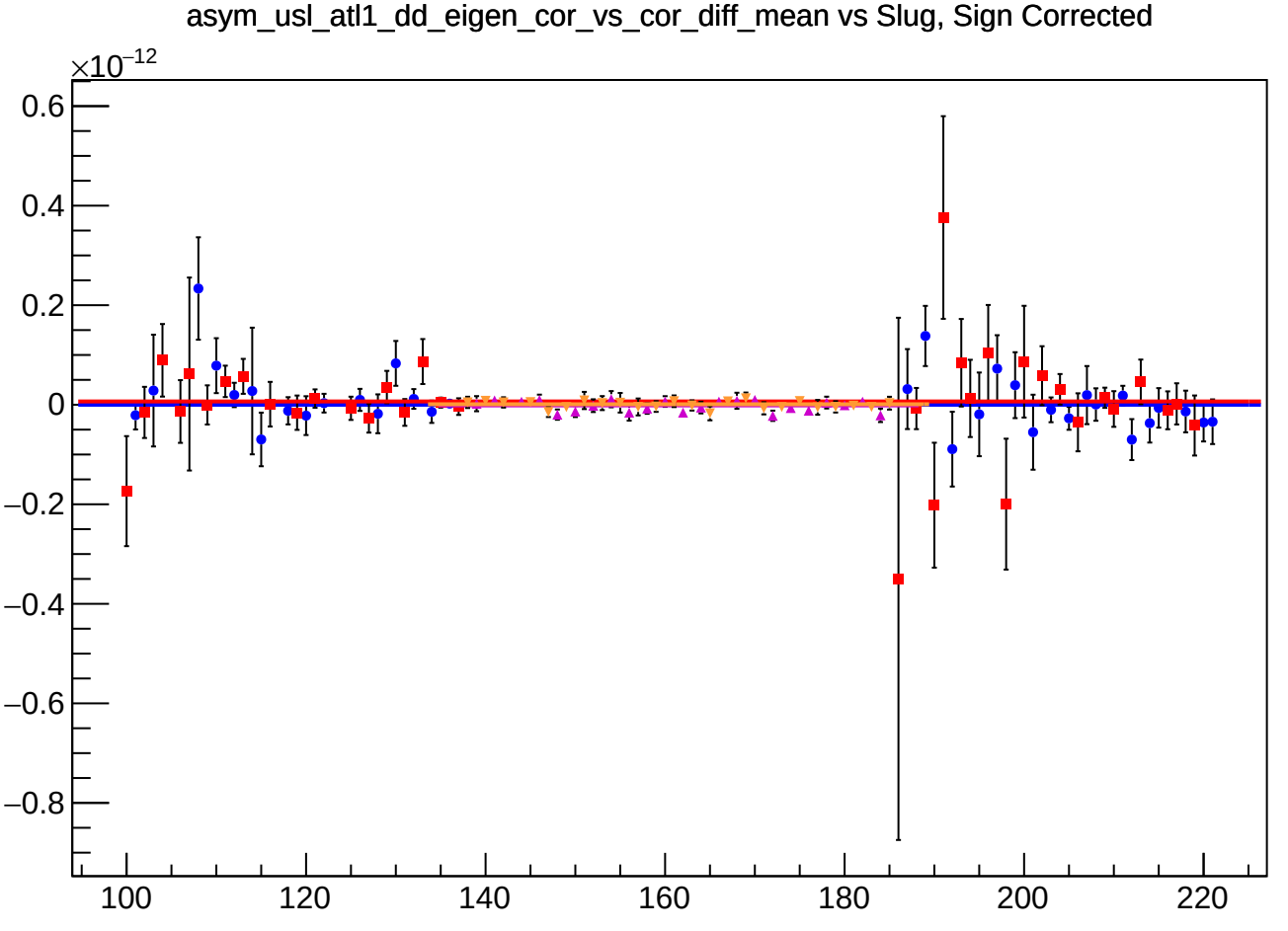
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.346+/-0.004 χ^2/NDF: 9550968.6/69

In: 23.820+/-0.003 χ^2/NDF:6331620.2/56

Out: 24.658+/-0.003 χ^2/NDF:7024626.7/59

All: 24.221+/-0.002 χ^2/NDF: 13392553.0/116



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: 30.6/35

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

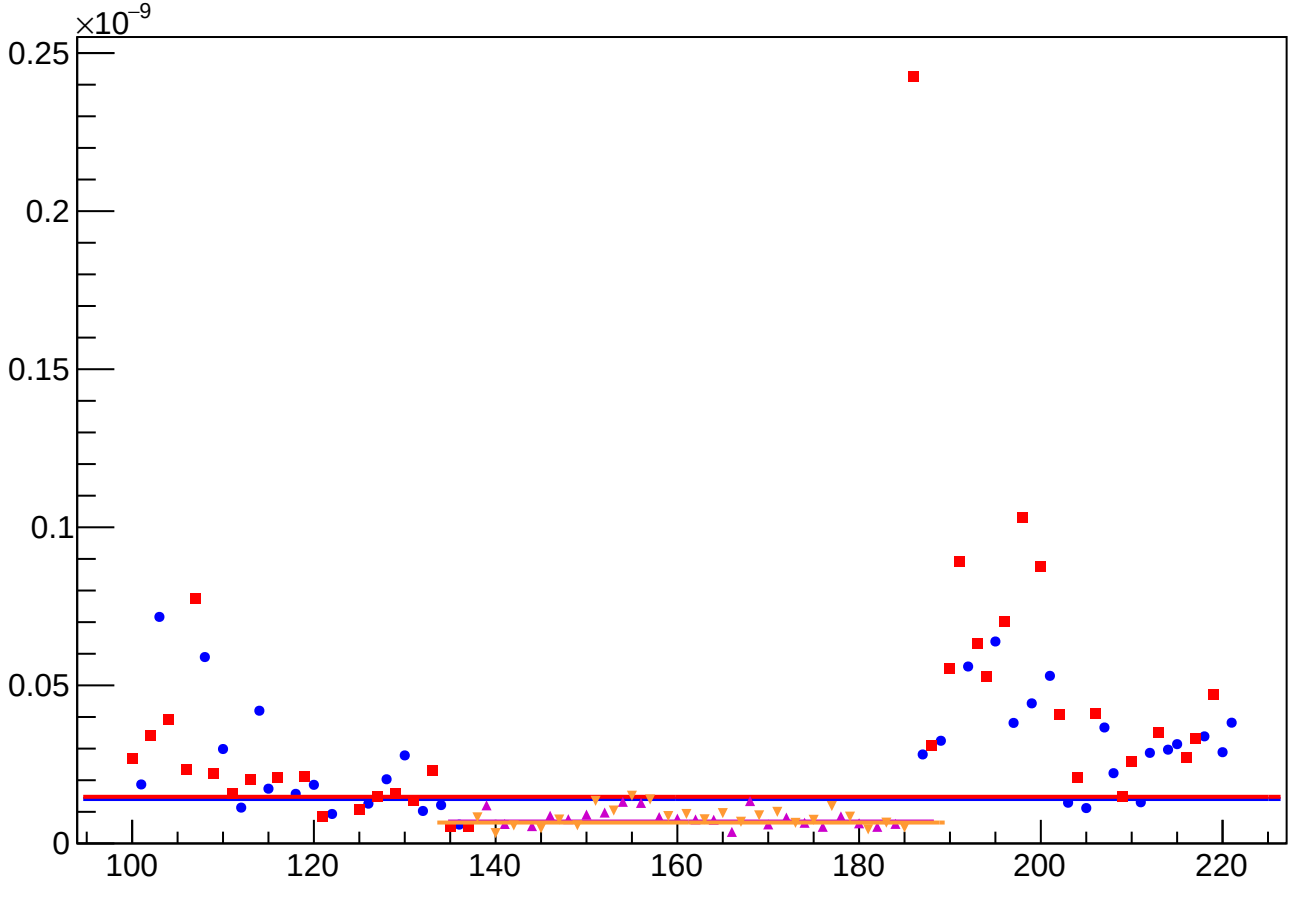
Right: 0.000+/-0.000 χ^2/NDF: 63.6/69

In: -0.000+/-0.000 χ^2/NDF:58.0/56

Out: 0.000+/-0.000 χ^2/NDF:43.1/59

All: 0.000+/-0.000 χ^2/NDF: 102.2/116

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: 11038035.9/35

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

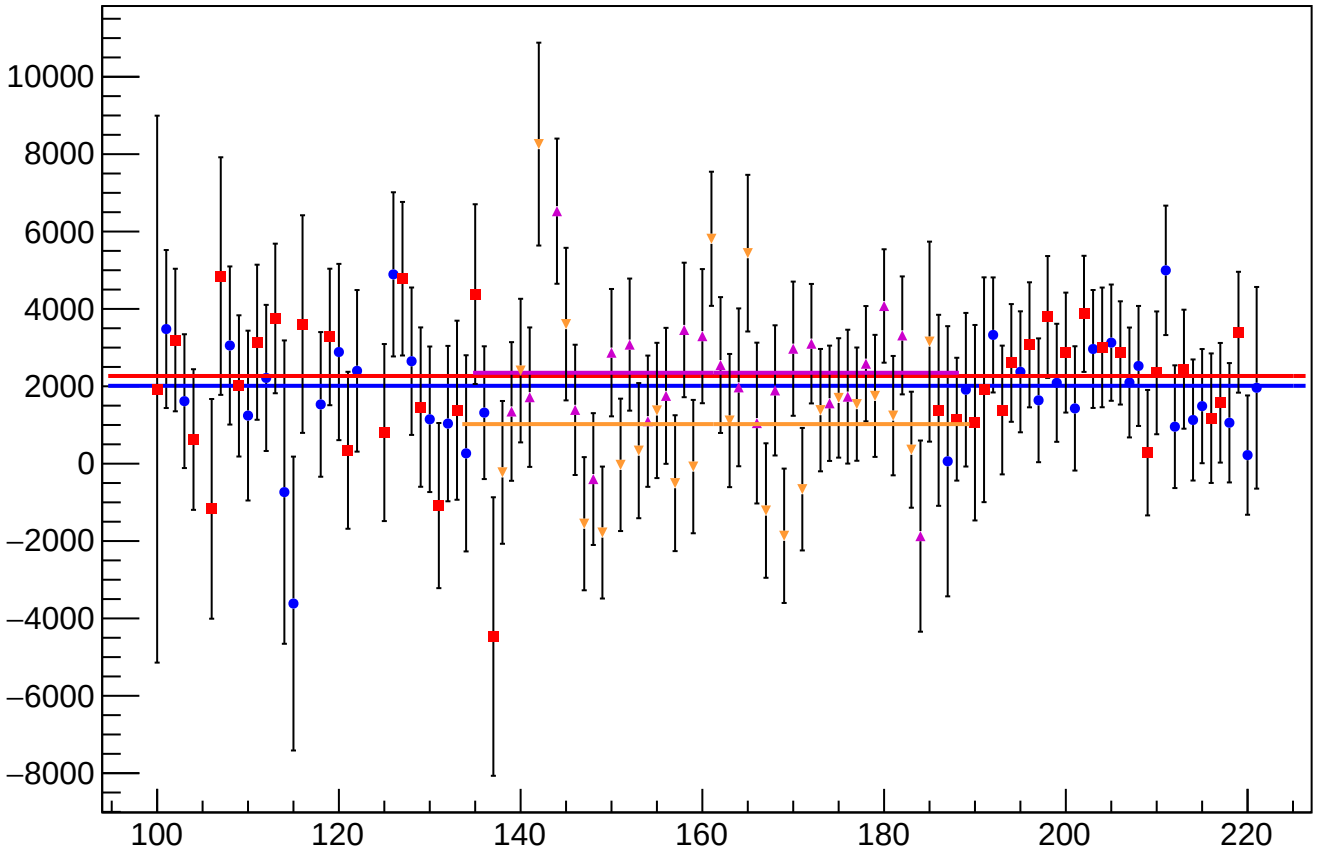
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 20168227.8/69

In: 0.000+/-0.000 χ^2/NDF:15091550.2/56

Out: 0.000+/-0.000 χ^2/NDF:18587465.6/59

All: 0.000+/-0.000 χ^2/NDF: 33726979.8/116



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: 2266.520+/-310.923 χ^2/NDF: 21.4/35

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

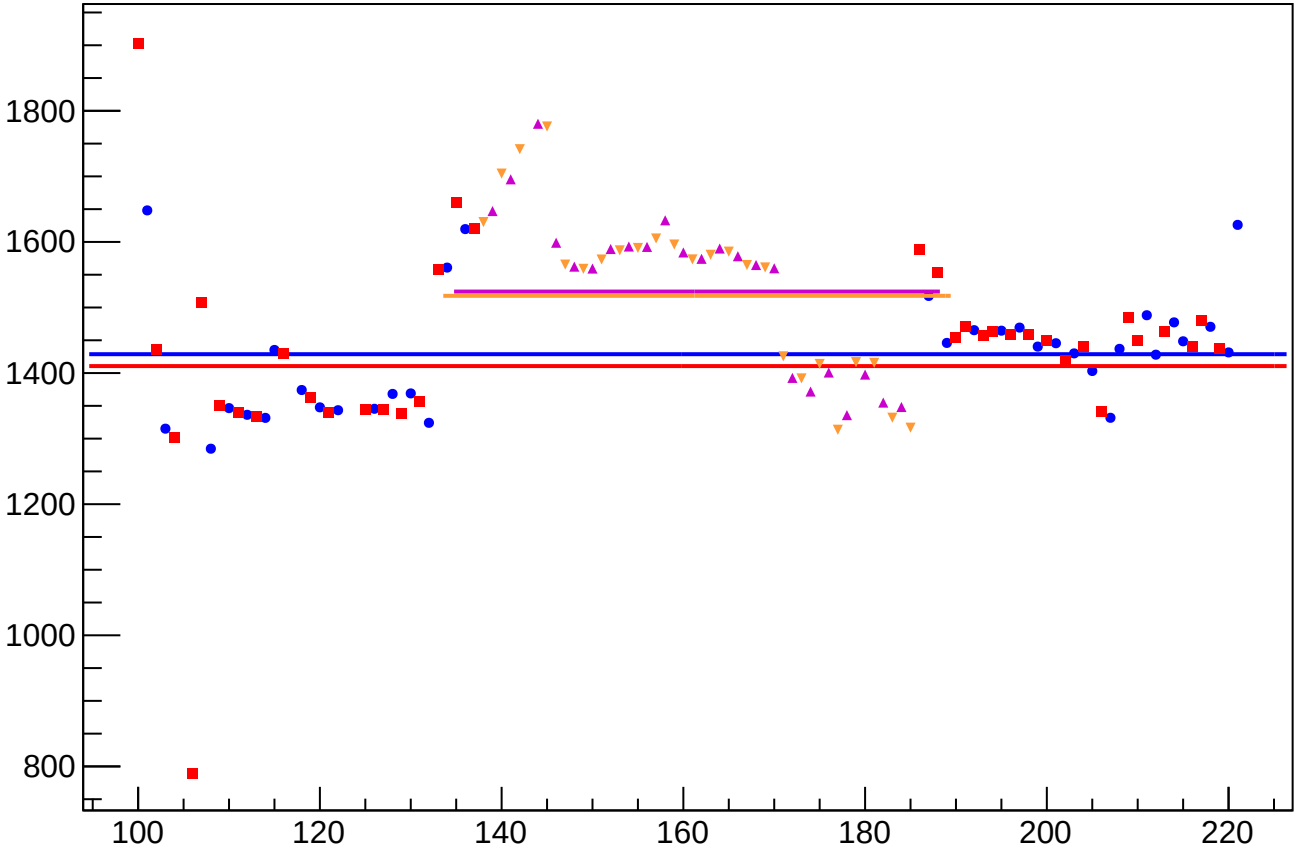
Right: 2138.657+/-219.205 χ^2/NDF: 36.8/69

In: 2156.605+/-233.695 χ^2/NDF:31.6/56

Out: 1723.876+/-233.454 χ^2/NDF:64.8/59

All: 1940.016+/-165.162 χ^2/NDF: 98.1/116

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1410.633+/-0.217 χ^2/NDF: 415417.9/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

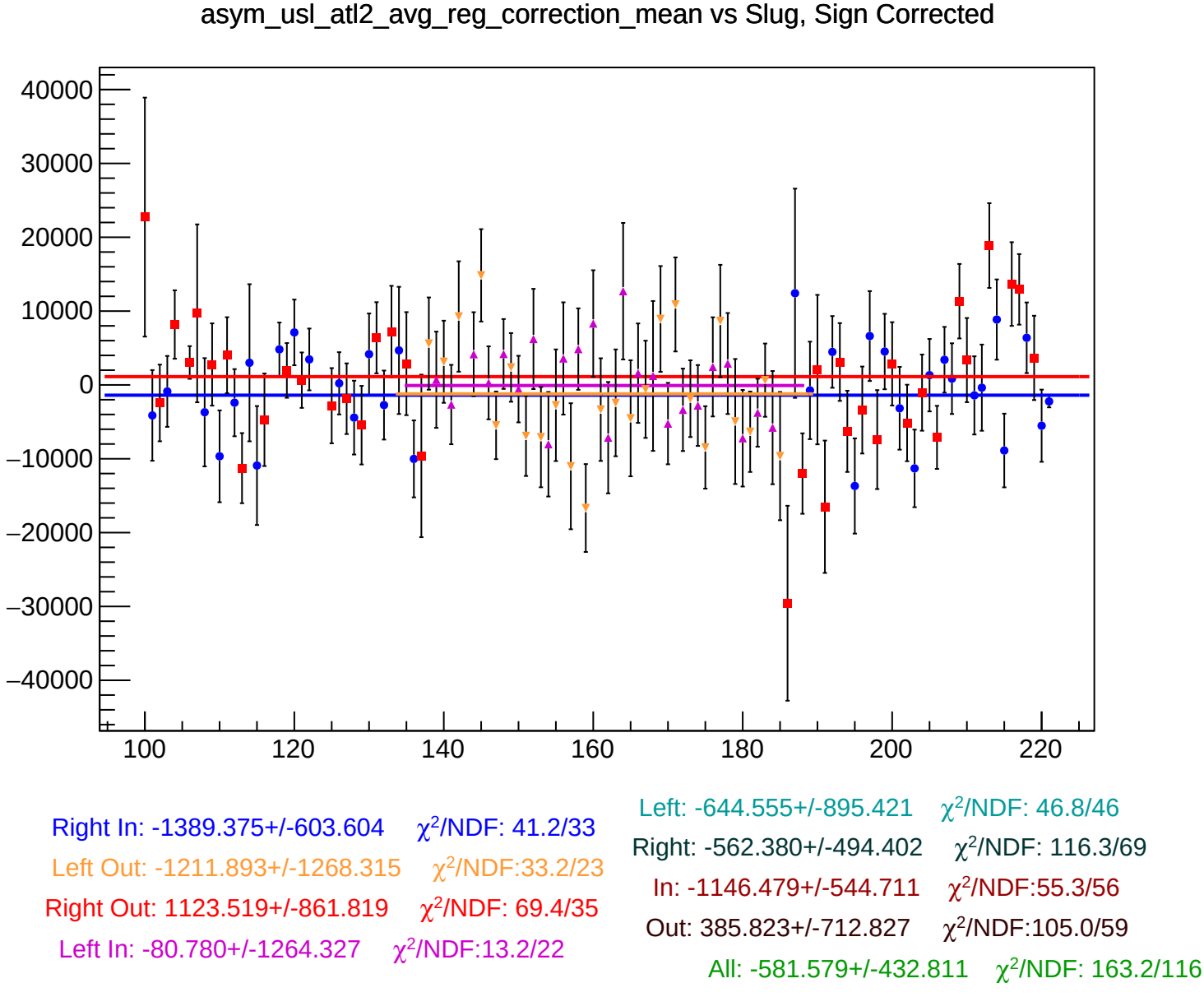
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

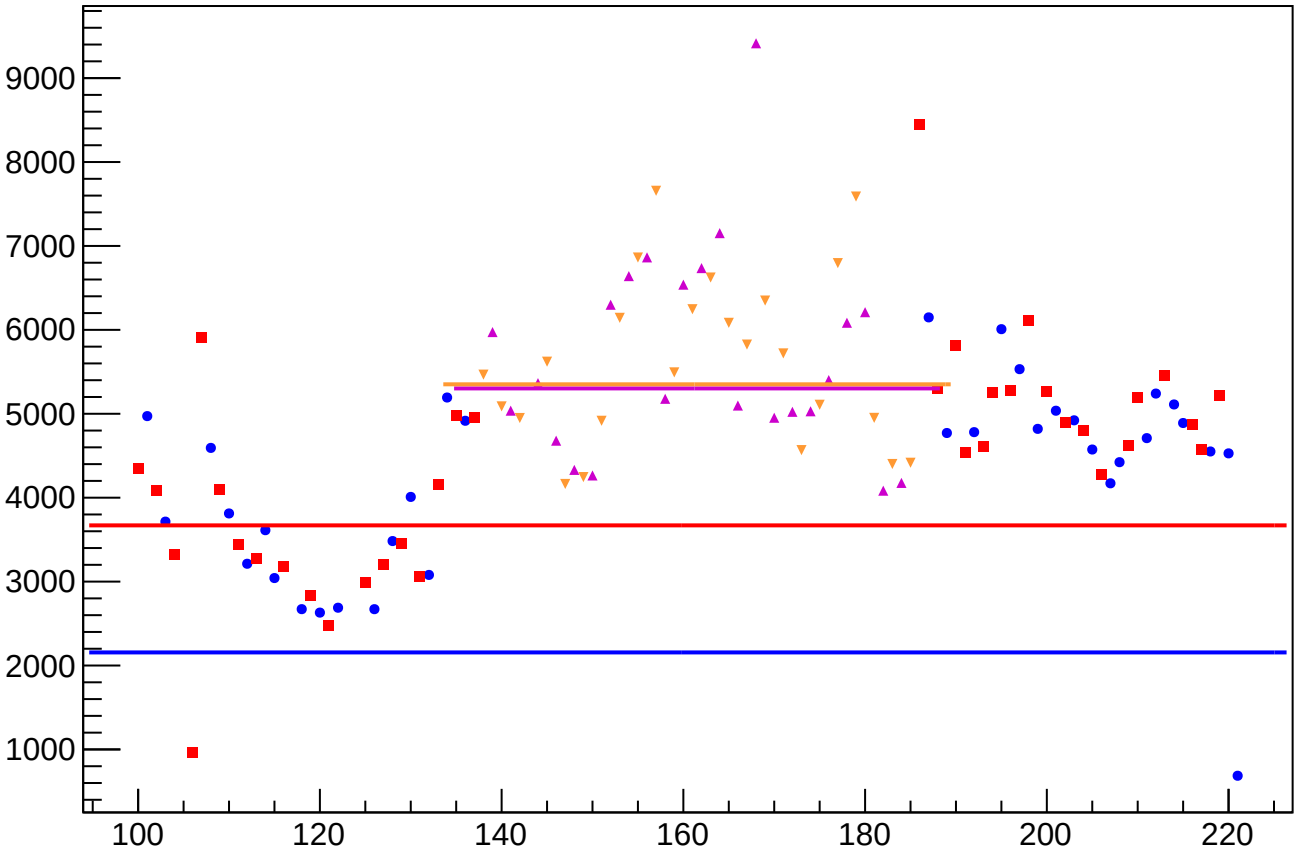
Right: 1419.652+/-0.154 χ^2/NDF: 552715.1/69

In: 1469.699+/-0.165 χ^2/NDF:440005.6/56

Out: 1456.778+/-0.164 χ^2/NDF:754105.4/59

All: 1463.189+/-0.116 χ^2/NDF: 1197190.8/11


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -1389.375+/-603.604 χ²/NDF: 41.2/33
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: 1123.519+/-861.819 χ²/NDF: 69.4/35
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: -562.380+/-494.402 χ²/NDF: 116.3/69
In: -1146.479+/-544.711 χ²/NDF:55.3/56
Out: 385.823+/-712.827 χ²/NDF:105.0/59
All: -581.579+/-432.811 χ²/NDF: 163.2/116



Right In: 2156.075+/-0.427 χ^2/NDF: 17832618.1/33

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3670.142+/-0.609 χ^2/NDF: 5935042.9/35

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

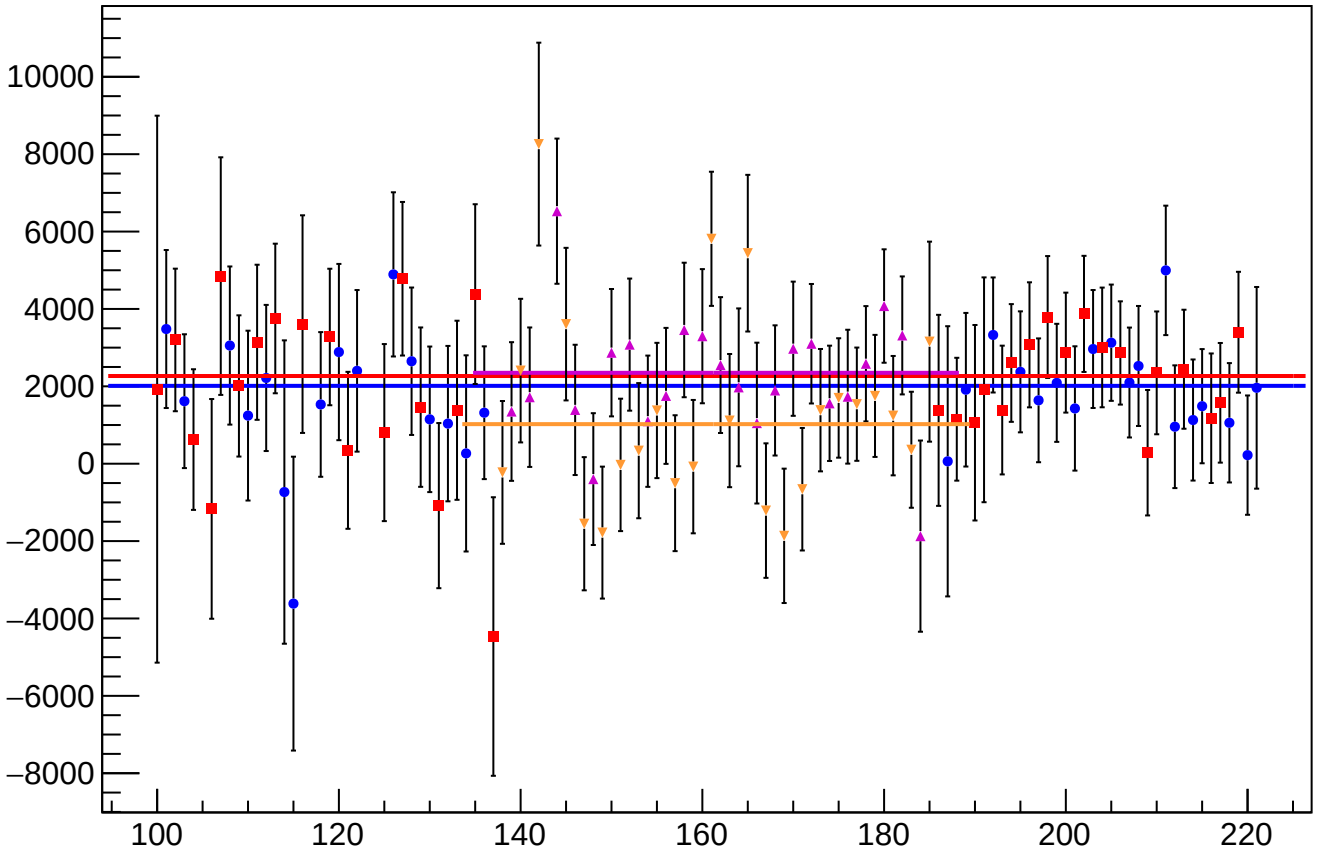
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 2654.355+/-0.350 χ^2/NDF: 27909043.5/69

In: 2740.042+/-0.385 χ^2/NDF:29174220.1/56

Out: 4201.122+/-0.504 χ^2/NDF:9404558.3/59

All: 3278.685+/-0.306 χ^2/NDF: 43883614.0/1



Right In: 2012.279+/-309.090 χ^2/NDF: 15.1/33

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2266.586+/-310.924 χ^2/NDF: 21.4/35

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

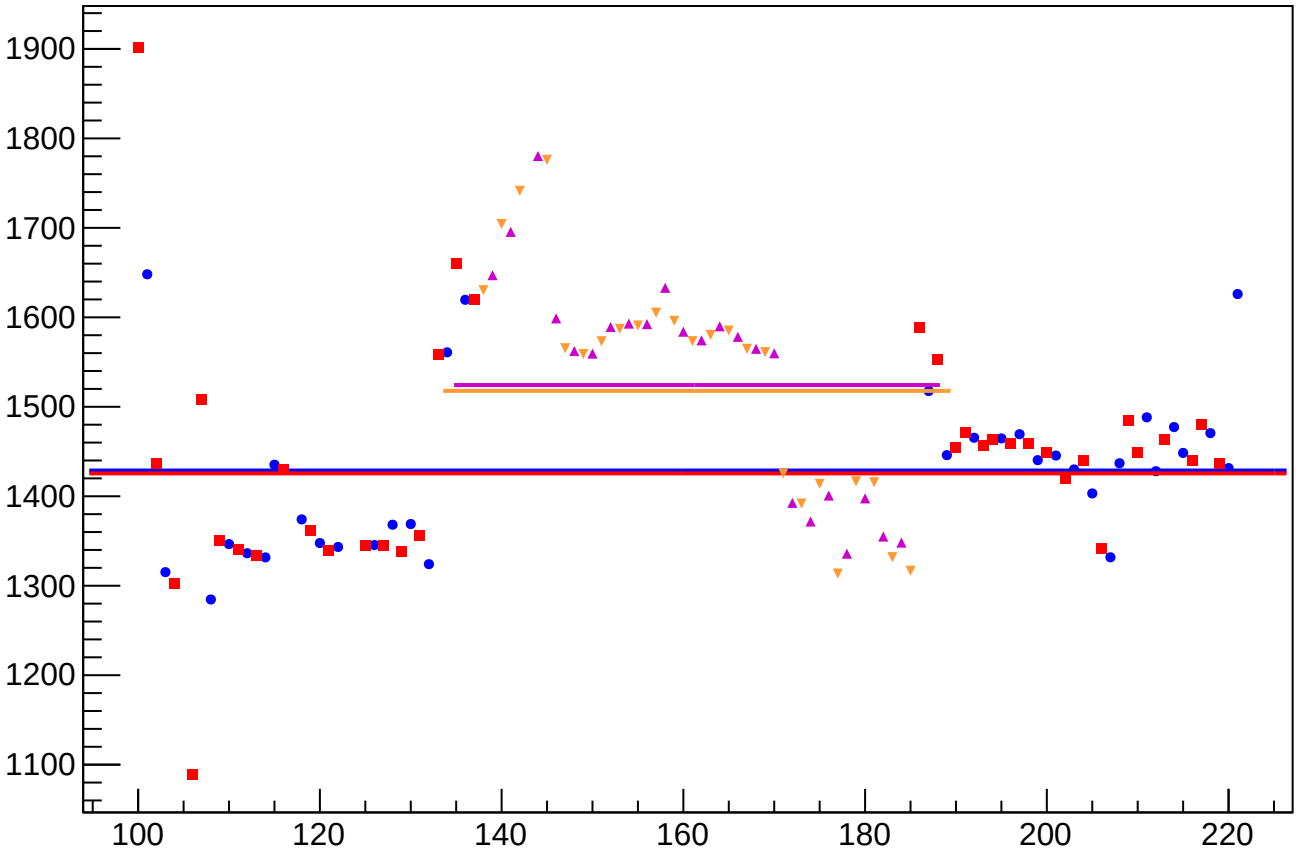
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2138.680+/-219.205 χ^2/NDF: 36.8/69

In: 2156.593+/-233.695 χ^2/NDF:31.6/56

Out: 1723.925+/-233.454 χ^2/NDF:64.8/59

All: 1940.035+/-165.162 χ^2/NDF: 98.1/116



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: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

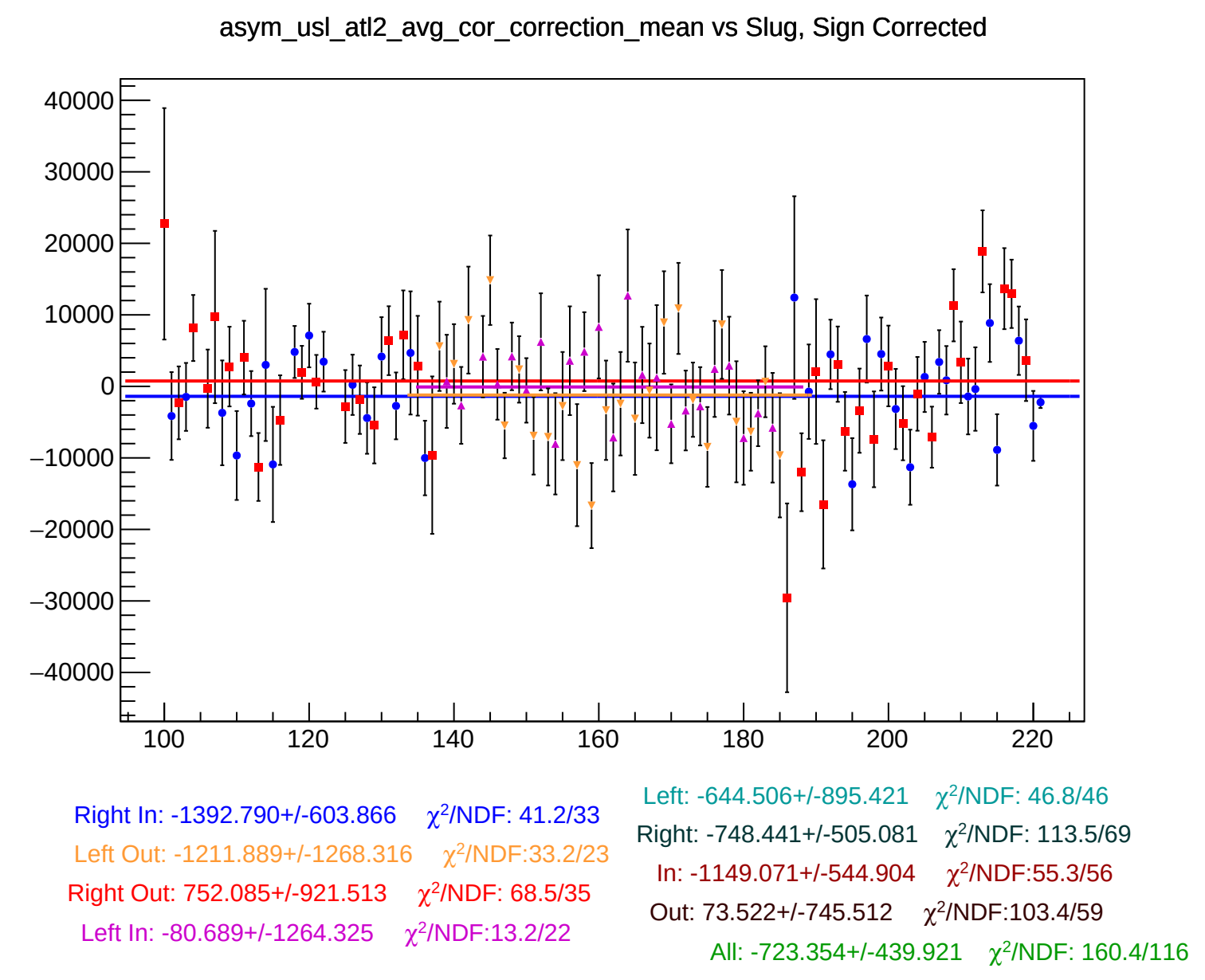
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

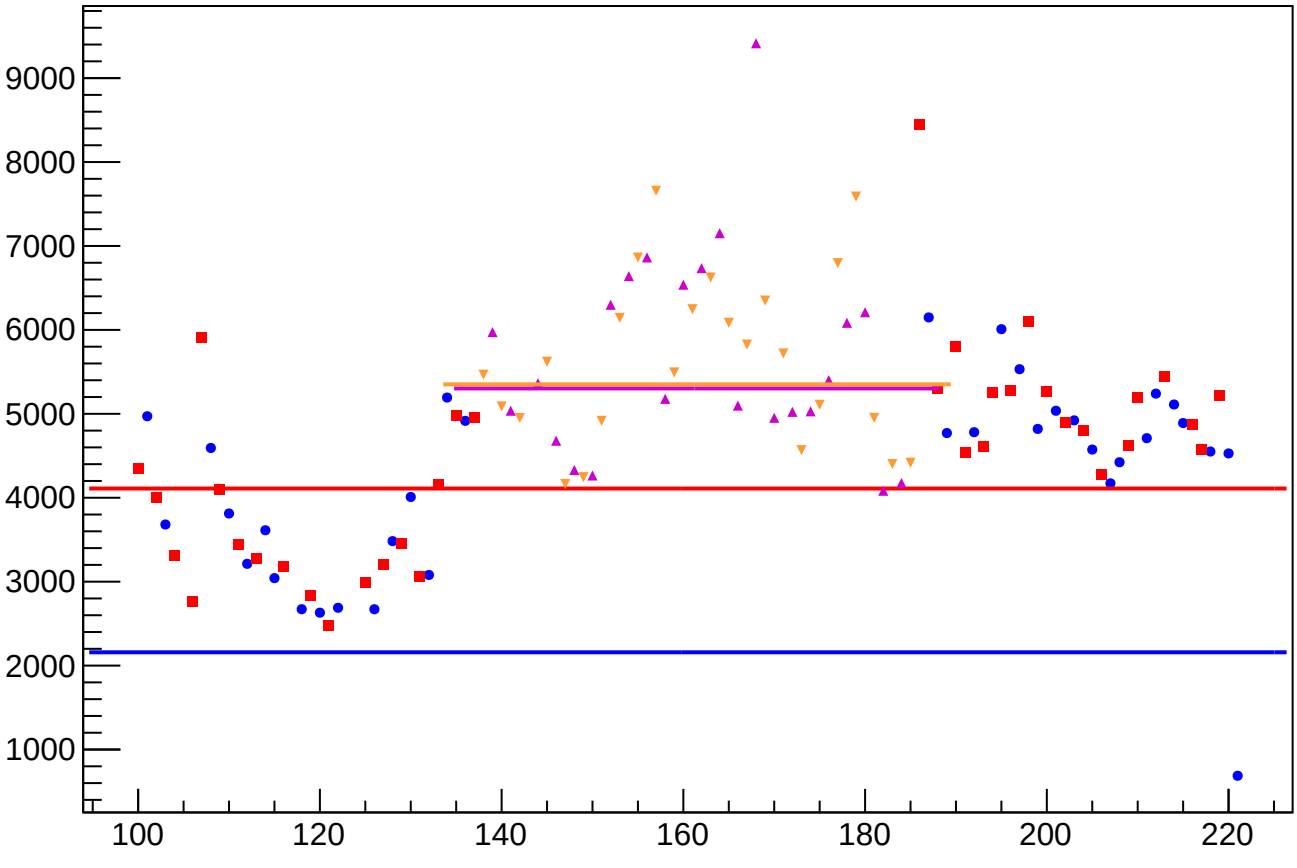
Right: 1427.160+/-0.155 χ^2/NDF: 308246.0/69

In: 1469.699+/-0.165 χ^2/NDF:440005.7/56

Out: 1465.577+/-0.165 χ^2/NDF:485426.1/59

All: 1467.630+/-0.117 χ^2/NDF: 925744.0/116


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: 752.085+/-921.513 χ²/NDF: 68.5/35
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: -748.441+/-505.081 χ²/NDF: 113.5/69
In: -1149.071+/-544.904 χ²/NDF:55.3/56
Out: 73.522+/-745.512 χ²/NDF:103.4/59
All: -723.354+/-439.921 χ²/NDF: 160.4/116



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: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

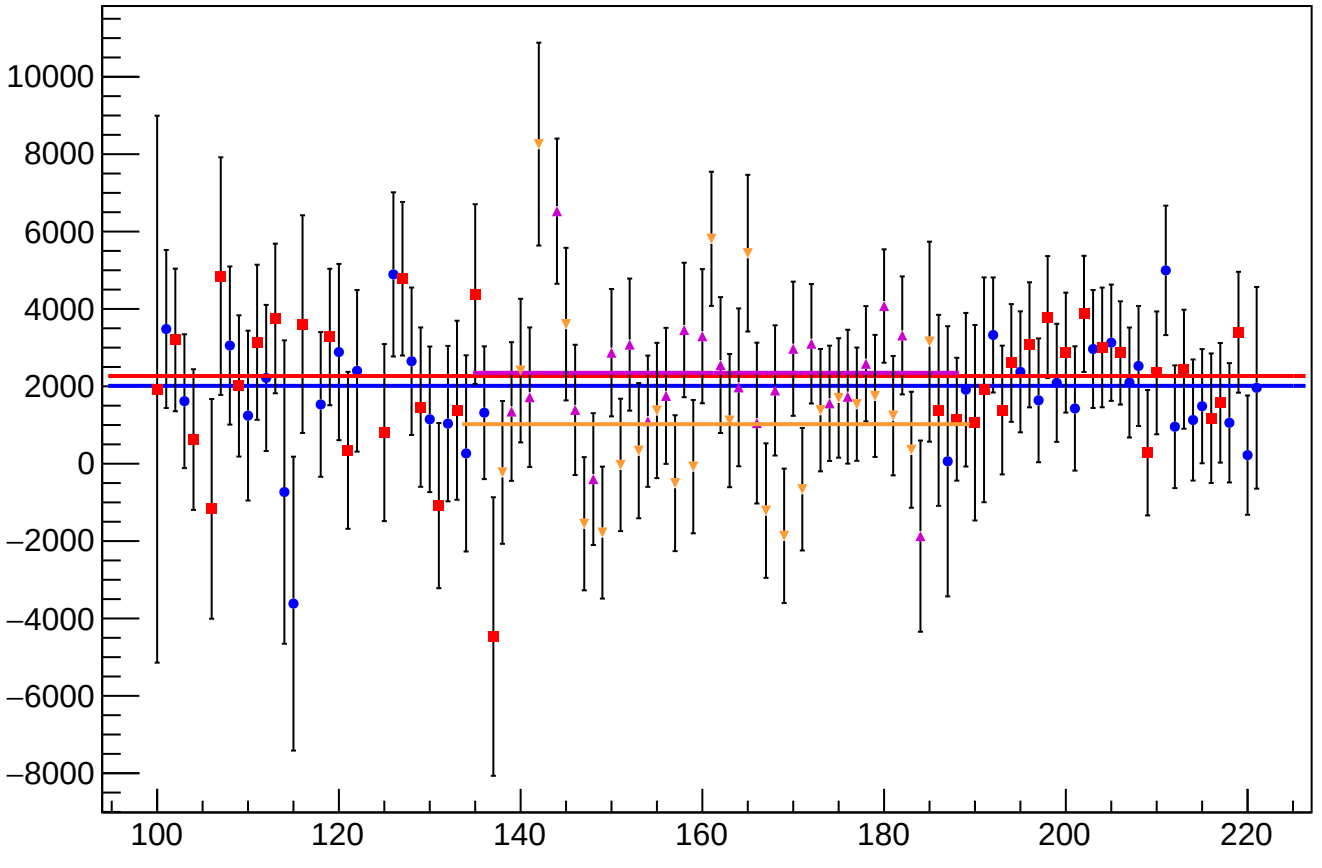
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 2744.612+/-0.357 χ^2/NDF: 26632251.9/69

In: 2742.348+/-0.385 χ^2/NDF:29128965.8/56

Out: 4538.655+/-0.527 χ^2/NDF:4874437.7/59

All: 3367.837+/-0.311 χ^2/NDF: 41571565.5/1



Right In: 2012.279+/-309.090 χ^2/NDF: 15.1/33

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2266.586+/-310.924 χ^2/NDF: 21.4/35

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

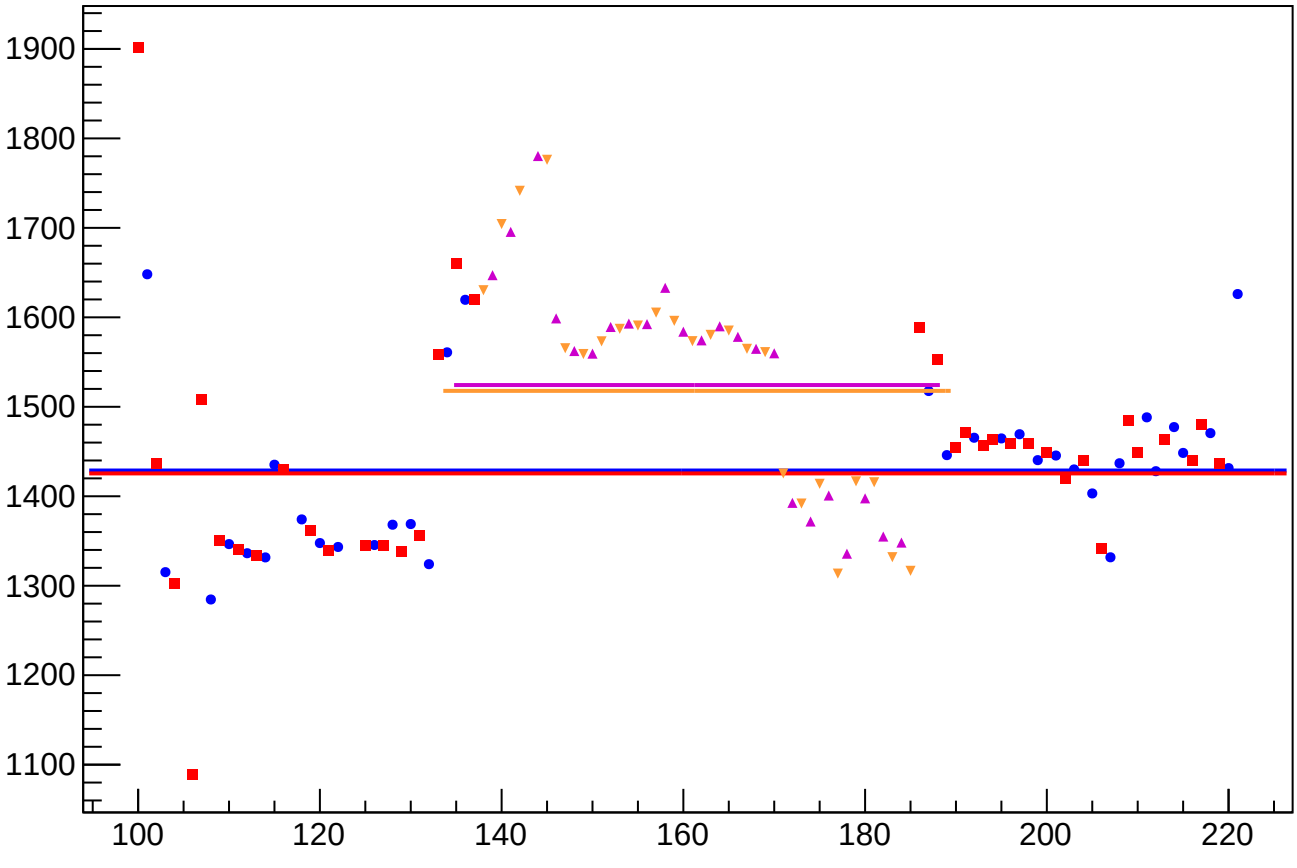
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2138.680+/-219.205 χ^2/NDF: 36.8/69

In: 2156.593+/-233.695 χ^2/NDF:31.6/56

Out: 1723.925+/-233.454 χ^2/NDF:64.8/59

All: 1940.035+/-165.162 χ^2/NDF: 98.1/116



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: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

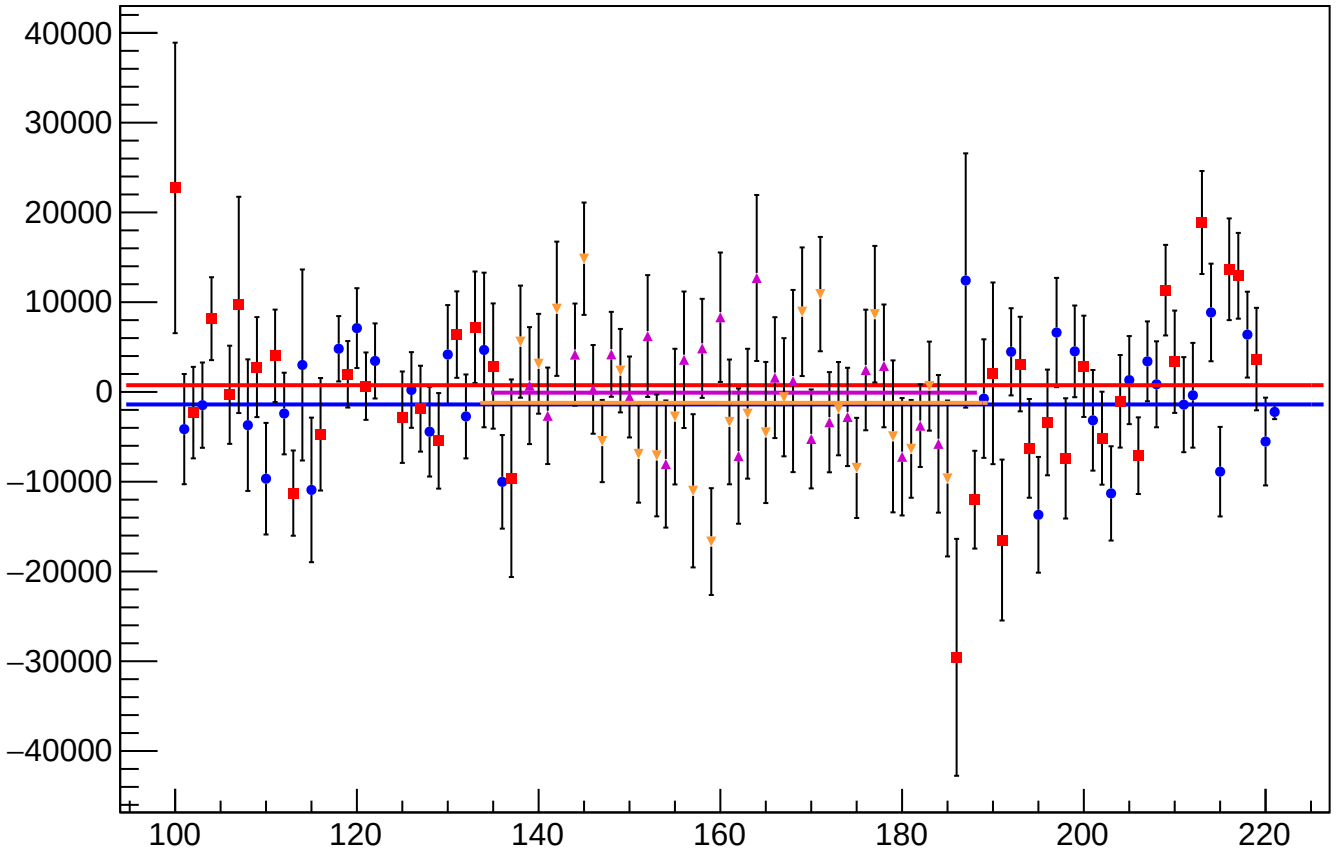
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1427.160+/-0.155 χ^2/NDF: 308246.0/69

In: 1469.699+/-0.165 χ^2/NDF:440005.7/56

Out: 1465.577+/-0.165 χ^2/NDF:485426.1/59

All: 1467.630+/-0.117 χ^2/NDF: 925744.0/116



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: 752.085+/-921.513 χ^2/NDF: 68.5/35

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

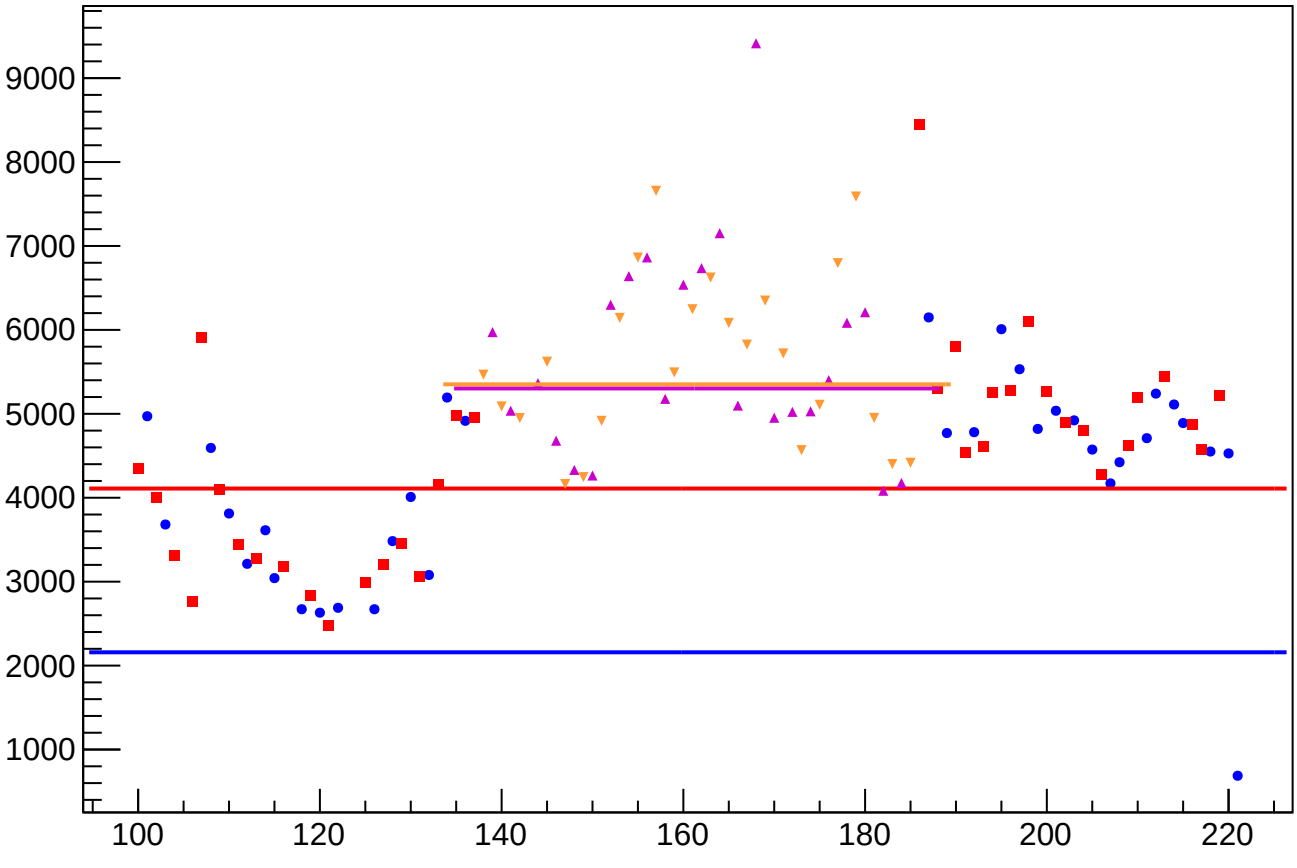
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -748.441+/-505.081 χ^2/NDF: 113.5/69

In: -1149.071+/-544.904 χ^2/NDF:55.3/56

Out: 73.522+/-745.512 χ^2/NDF:103.4/59

All: -723.354+/-439.921 χ^2/NDF: 160.4/116



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: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

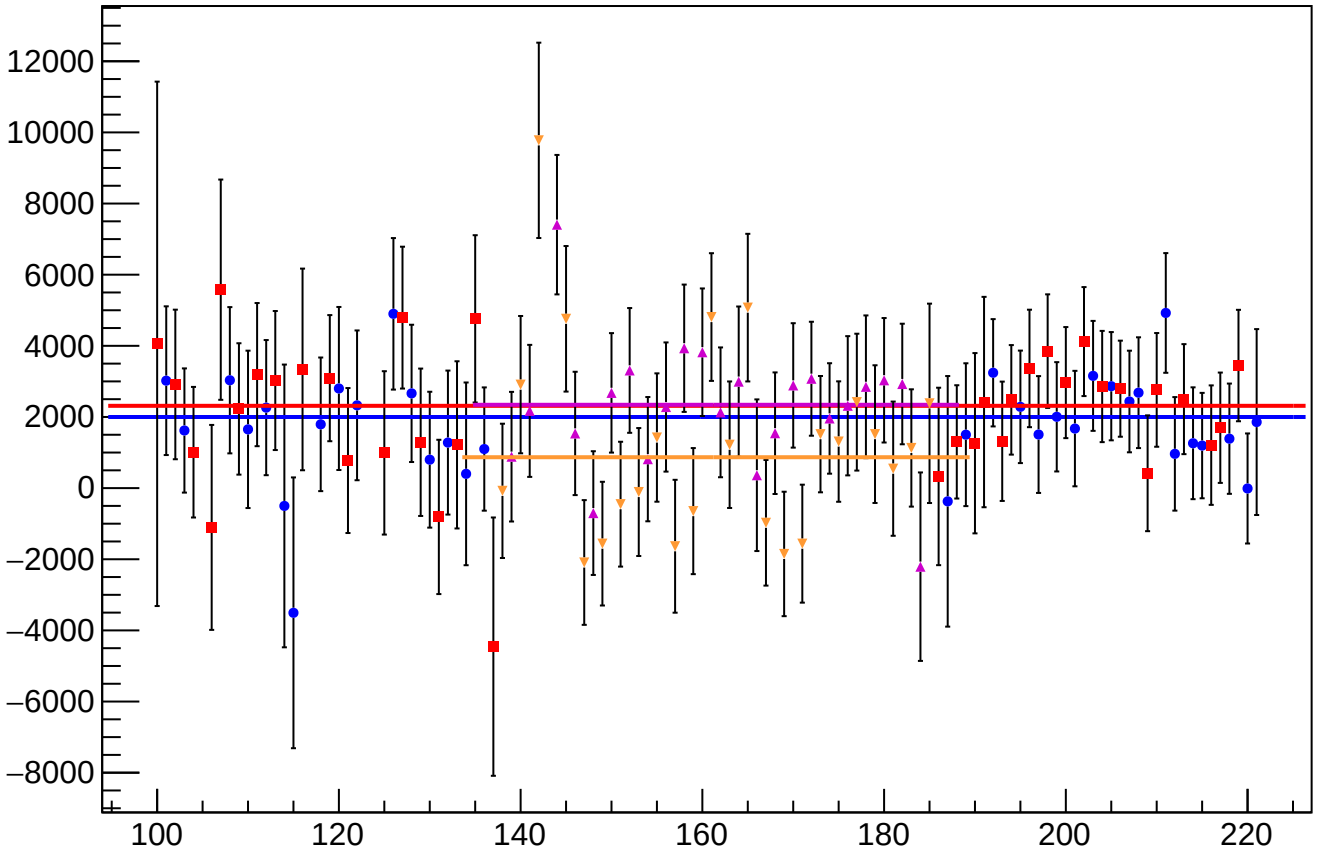
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 2744.612+/-0.357 χ^2/NDF: 26632251.9/69

In: 2742.348+/-0.385 χ^2/NDF:29128965.8/56

Out: 4538.655+/-0.527 χ^2/NDF:4874437.7/59

All: 3367.837+/-0.311 χ^2/NDF: 41571565.5/1



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: 2313.576+/-314.718 χ^2/NDF: 20.6/35

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

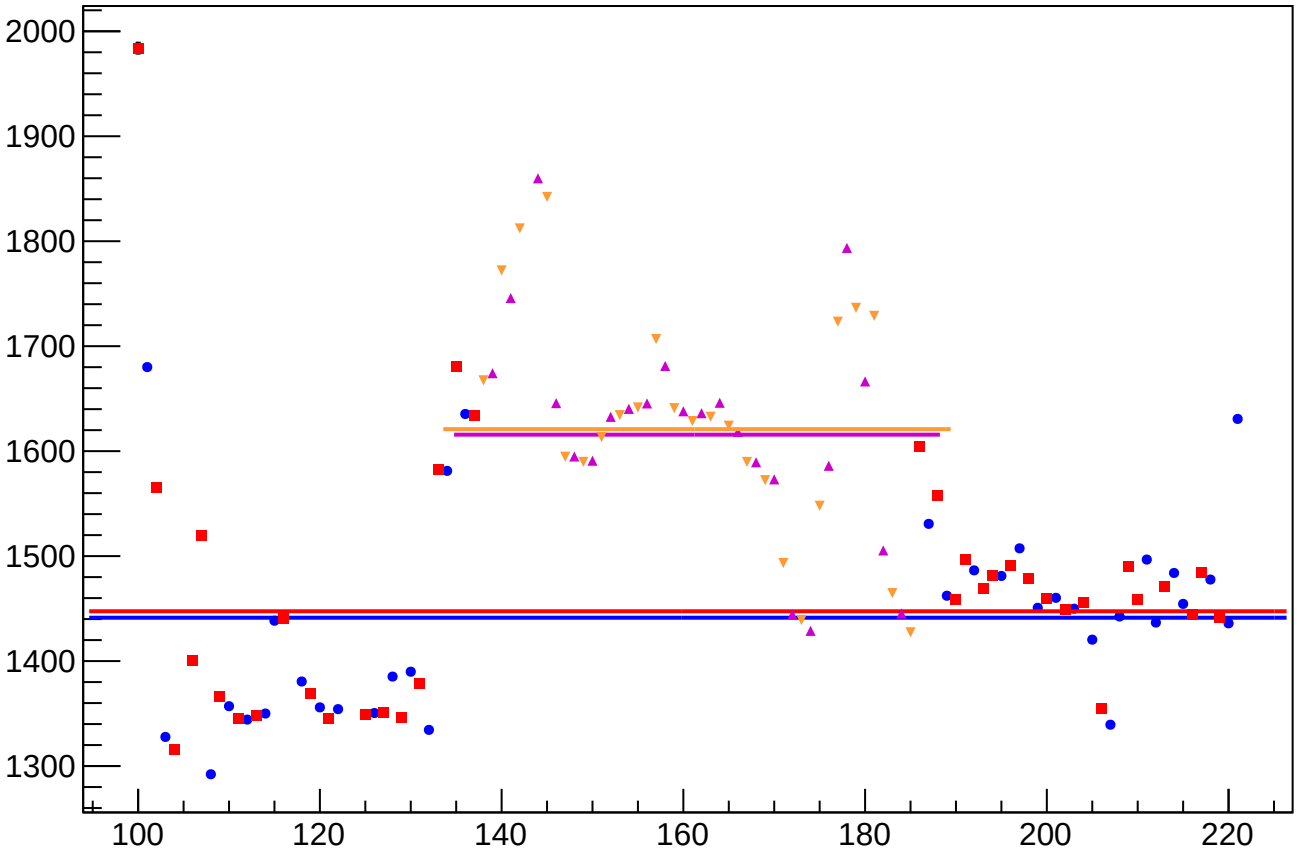
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2154.944+/-221.529 χ^2/NDF: 35.9/69

In: 2138.094+/-240.596 χ^2/NDF:33.2/56

Out: 1720.403+/-241.646 χ^2/NDF:69.0/59

All: 1930.159+/-170.497 χ^2/NDF: 103.8/116



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: 1447.453+/-0.222 χ^2/NDF: 133094.0/35

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

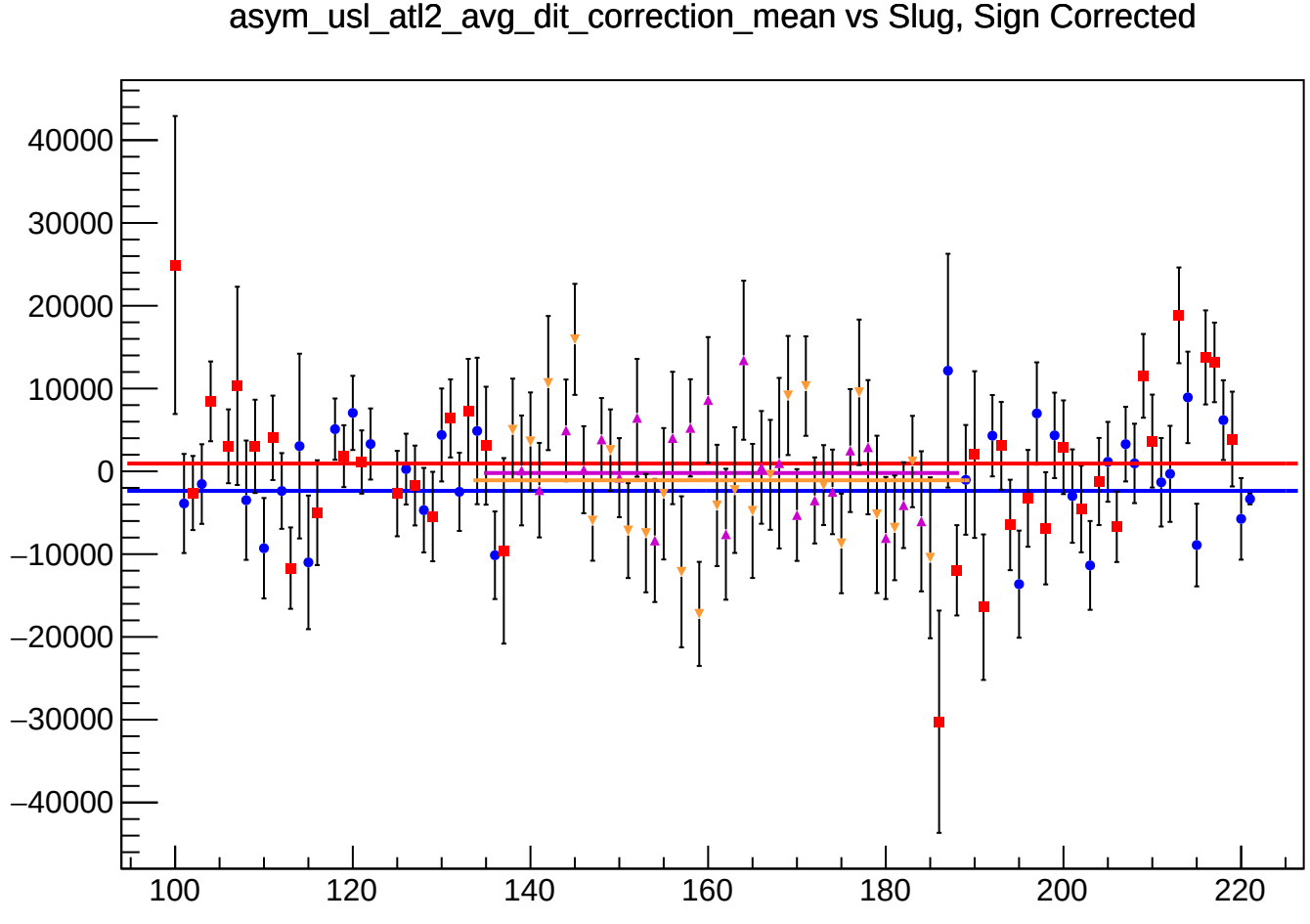
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1444.361+/-0.157 χ^2/NDF: 273640.2/69

In: 1511.925+/-0.170 χ^2/NDF:530468.6/56

Out: 1518.584+/-0.171 χ^2/NDF:524739.7/59

All: 1515.242+/-0.121 χ^2/NDF: 1055971.4/11



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: 940.113+/-917.132 χ^2/NDF: 68.6/35

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

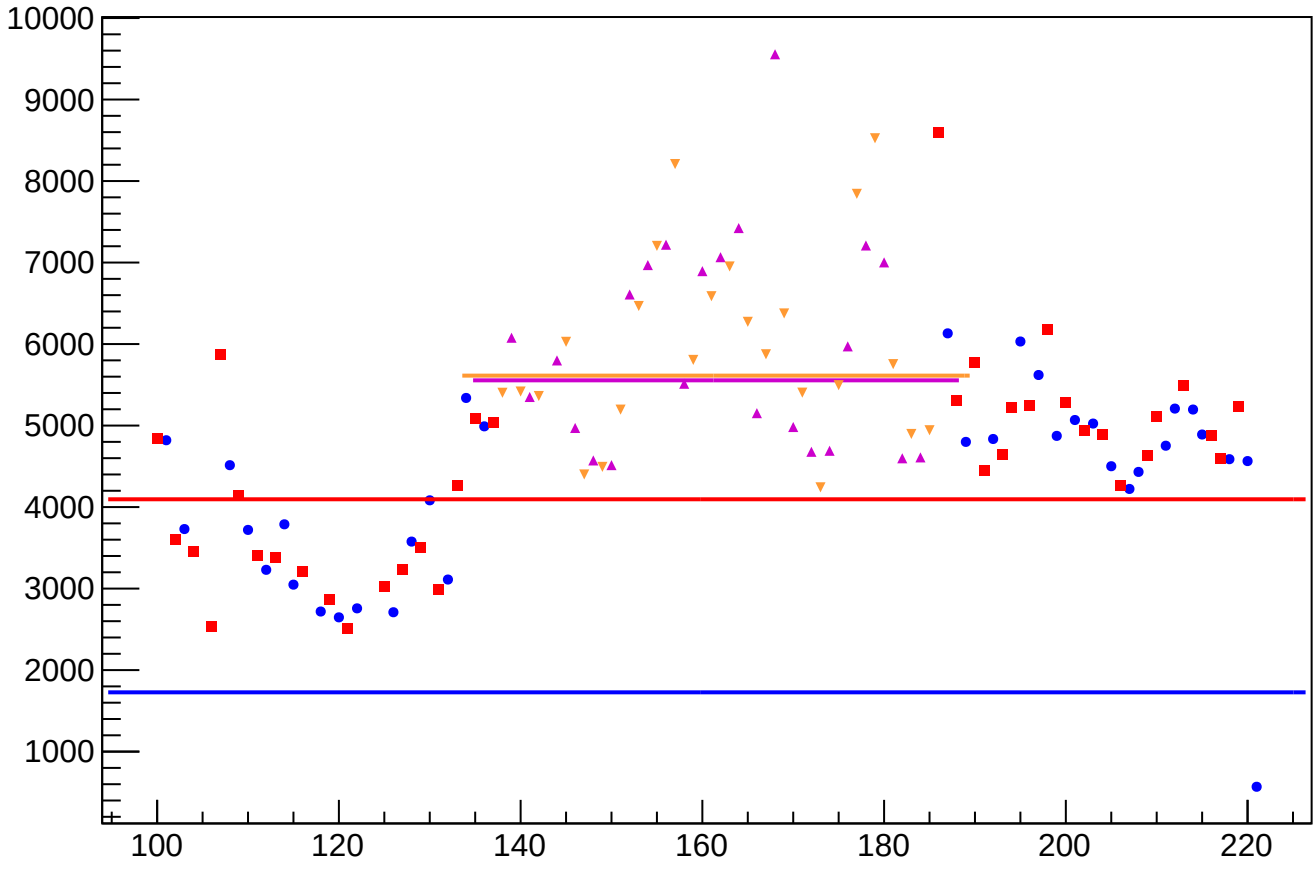
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -1536.899+/-457.818 χ^2/NDF: 123.6/69

In: -2063.465+/-490.835 χ^2/NDF:60.4/56

Out: 289.968+/-755.463 χ^2/NDF:103.1/59

All: -1364.898+/-411.591 χ^2/NDF: 170.4/116



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: 4095.656+/-0.649 χ^2/NDF: 2655497.6/35

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

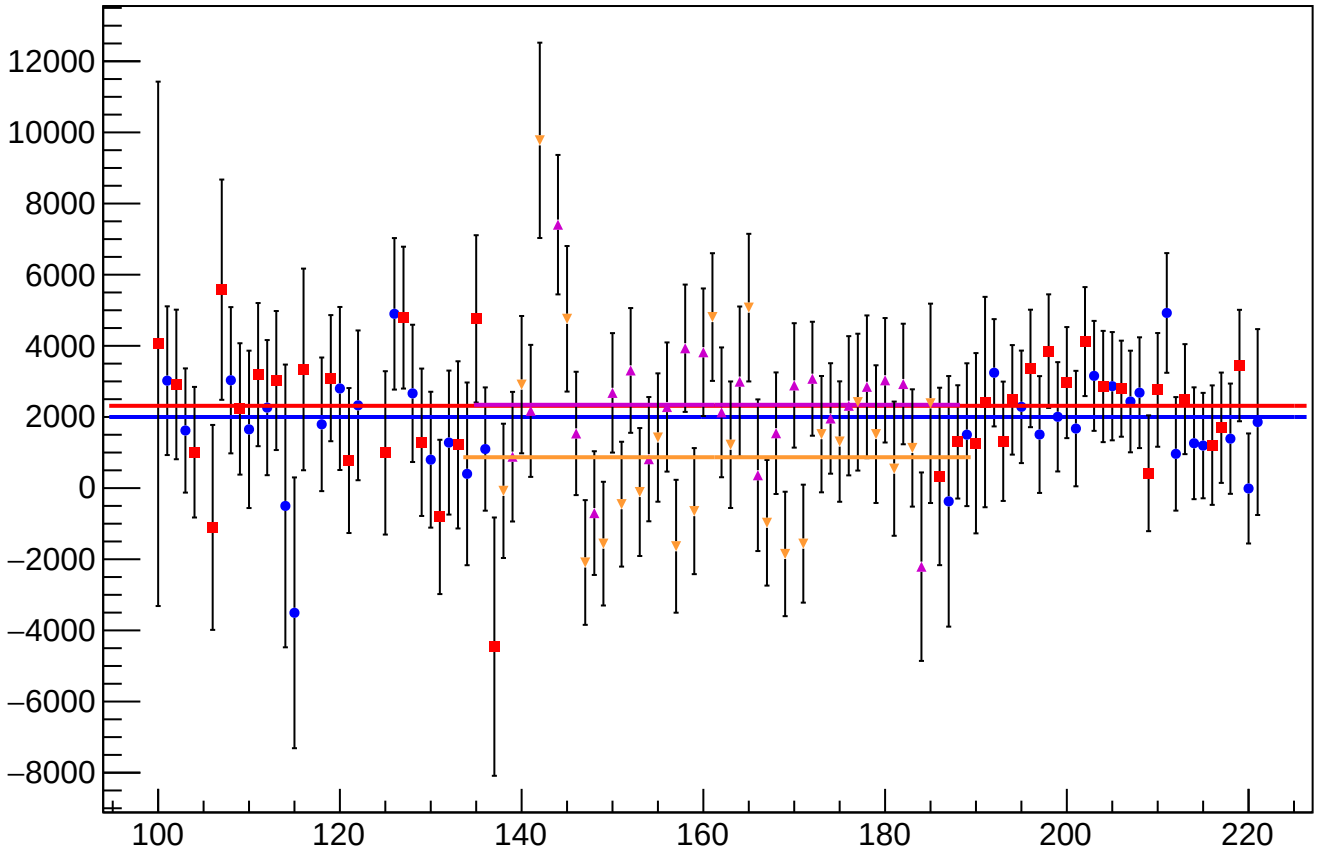
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 2317.354+/-0.324 χ^2/NDF: 34760543.1/69

In: 2251.504+/-0.347 χ^2/NDF:37802508.4/56

Out: 4583.366+/-0.534 χ^2/NDF:5602895.2/59

All: 2943.668+/-0.291 χ^2/NDF: 56804350.1/1



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: 2313.573+/-314.718 χ^2/NDF: 20.6/35

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

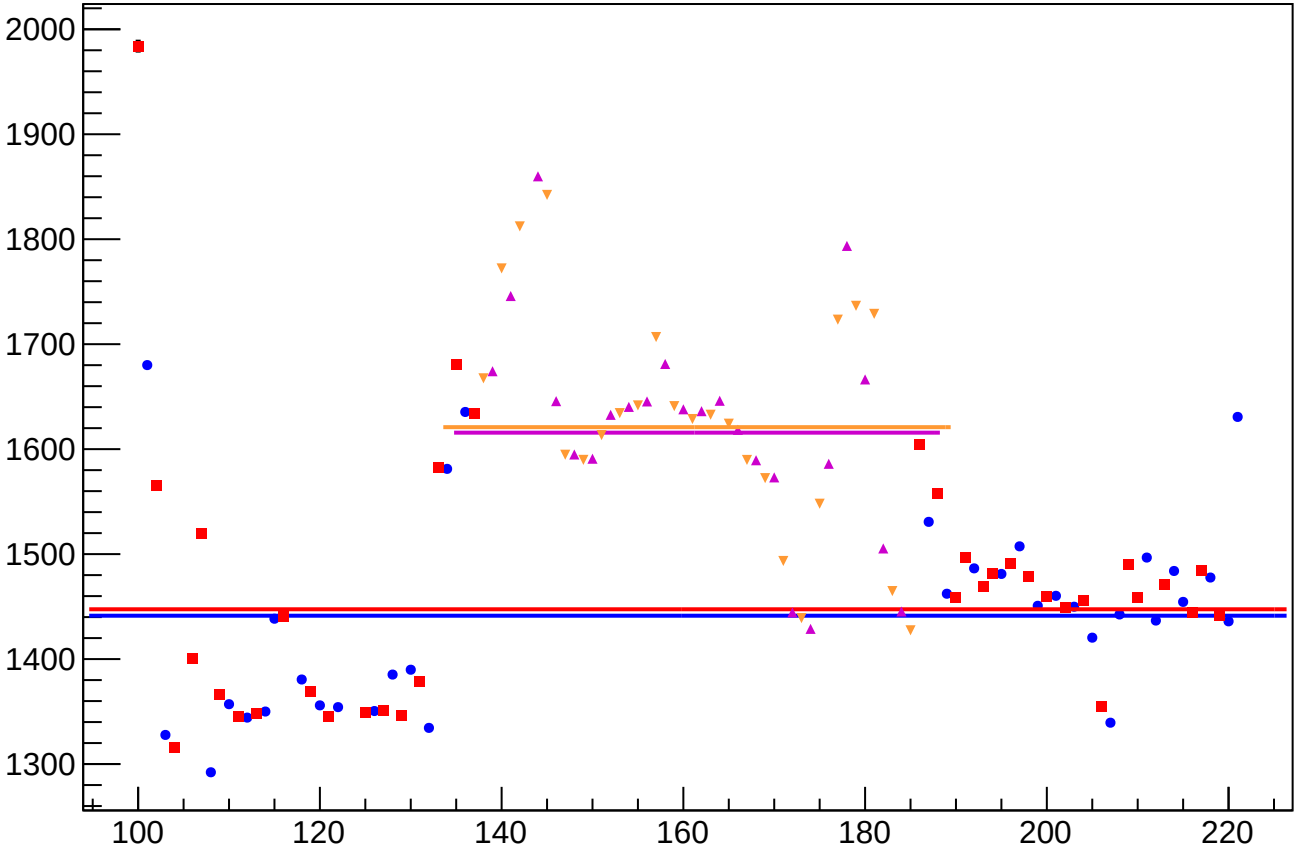
Right: 2154.943+/-221.529 χ^2/NDF: 35.9/69

In: 2138.094+/-240.596 χ^2/NDF:33.2/56

Out: 1720.400+/-241.647 χ^2/NDF:69.0/59

All: 1930.157+/-170.497 χ^2/NDF: 103.8/116

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1447.453+/-0.222 χ^2/NDF: 133094.3/35

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

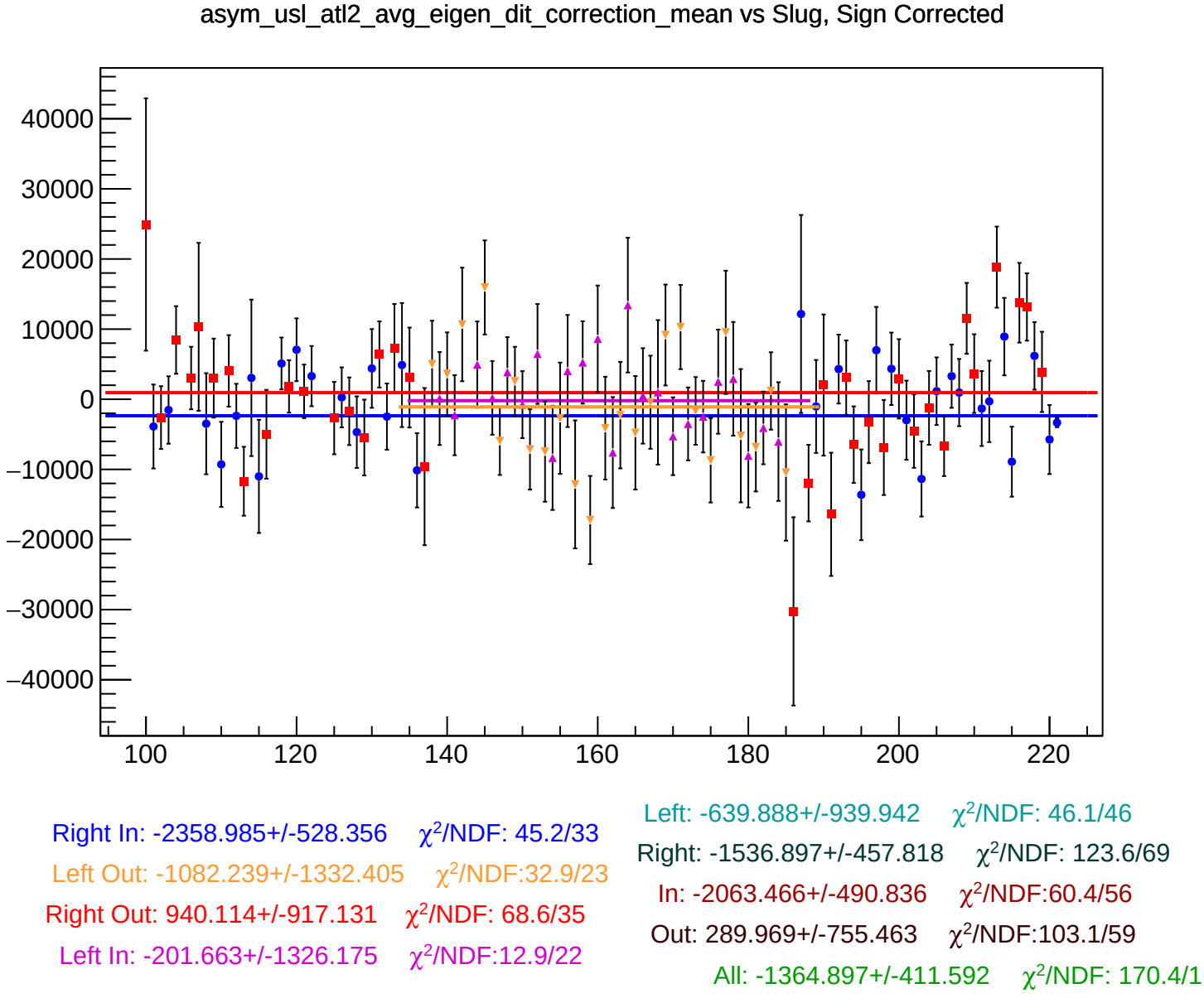
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1444.361+/-0.157 χ^2/NDF: 273640.5/69

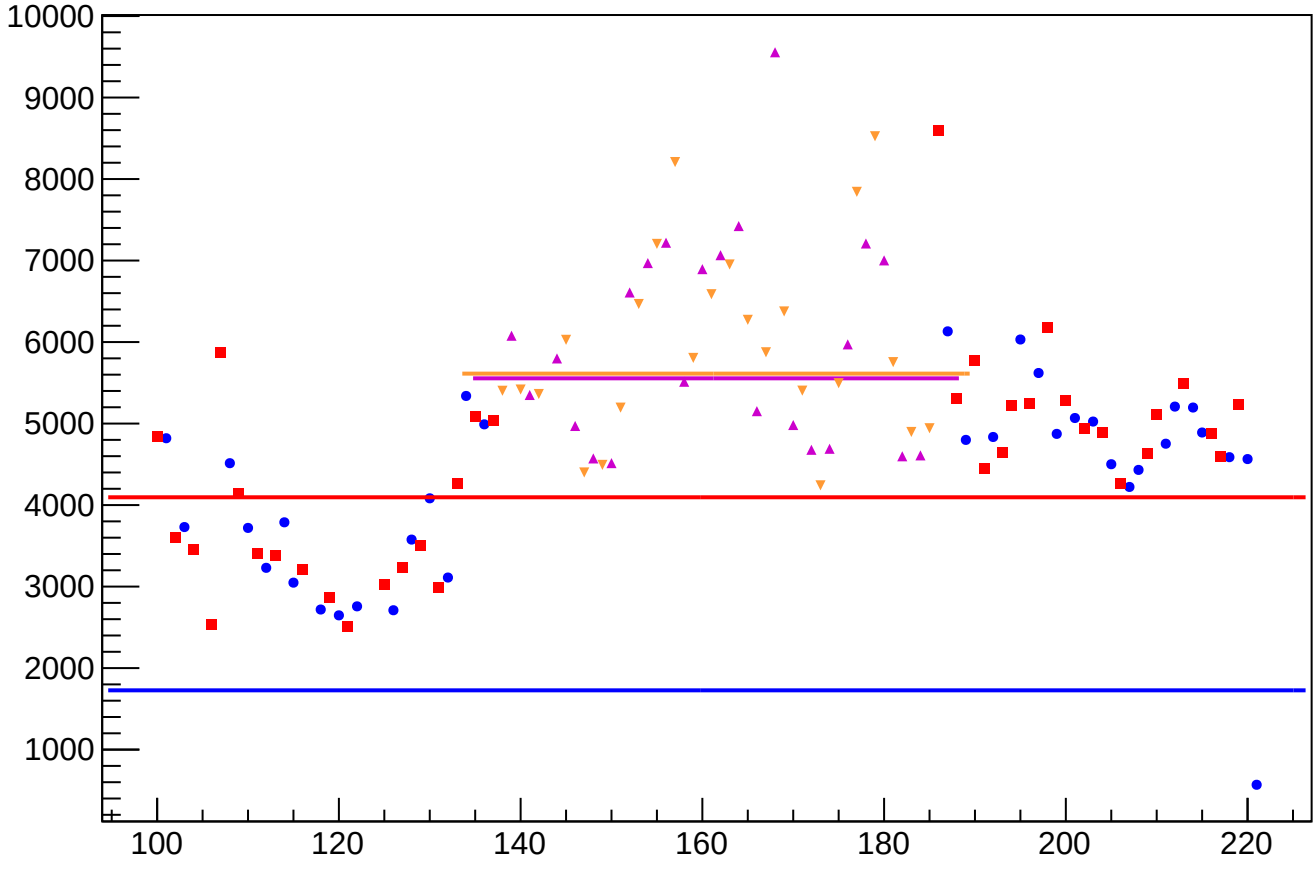
In: 1511.926+/-0.170 χ^2/NDF:530476.5/56

Out: 1518.584+/-0.171 χ^2/NDF:524748.4/59

All: 1515.242+/-0.121 χ^2/NDF: 1055988.0/11


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -2358.985+/-528.356 χ²/NDF: 45.2/33
Left Out: -1082.239+/-1332.405 χ²/NDF:32.9/23
Right Out: 940.114+/-917.131 χ²/NDF: 68.6/35
Left In: -201.663+/-1326.175 χ²/NDF:12.9/22
Left: -639.888+/-939.942 χ²/NDF: 46.1/46
Right: -1536.897+/-457.818 χ²/NDF: 123.6/69
In: -2063.466+/-490.836 χ²/NDF:60.4/56
Out: 289.969+/-755.463 χ²/NDF:103.1/59
All: -1364.897+/-411.592 χ²/NDF: 170.4/116

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4095.650+/-0.649 χ^2/NDF: 2655536.0/35

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

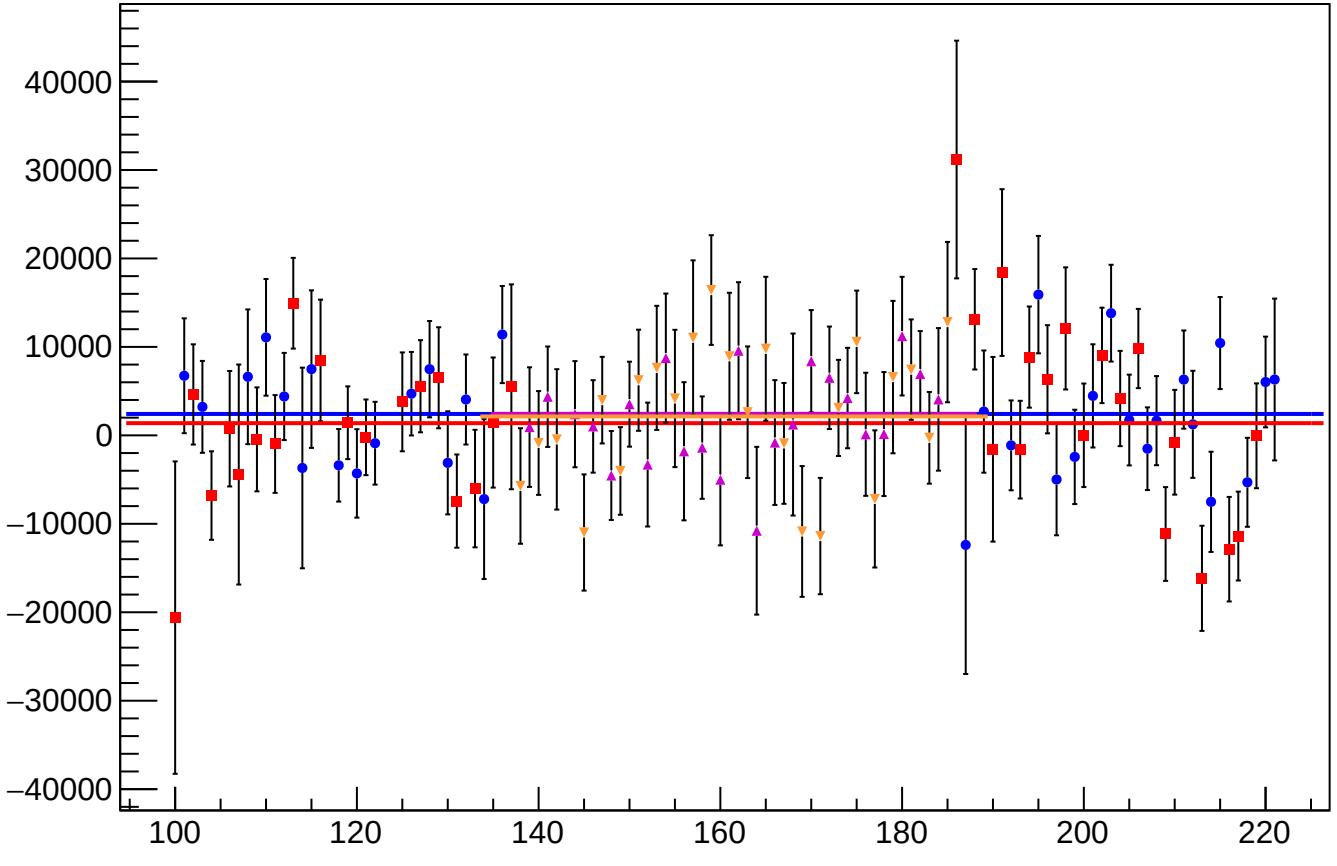
Right: 2317.356+/-0.324 χ^2/NDF: 34760499.9/69

In: 2251.507+/-0.347 χ^2/NDF:37802490.1/56

Out: 4583.364+/-0.534 χ^2/NDF:5602964.9/59

All: 2943.671+/-0.291 χ^2/NDF: 56804329.5/1

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: 1379.341+/-986.293 χ^2/NDF: 69.3/35

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

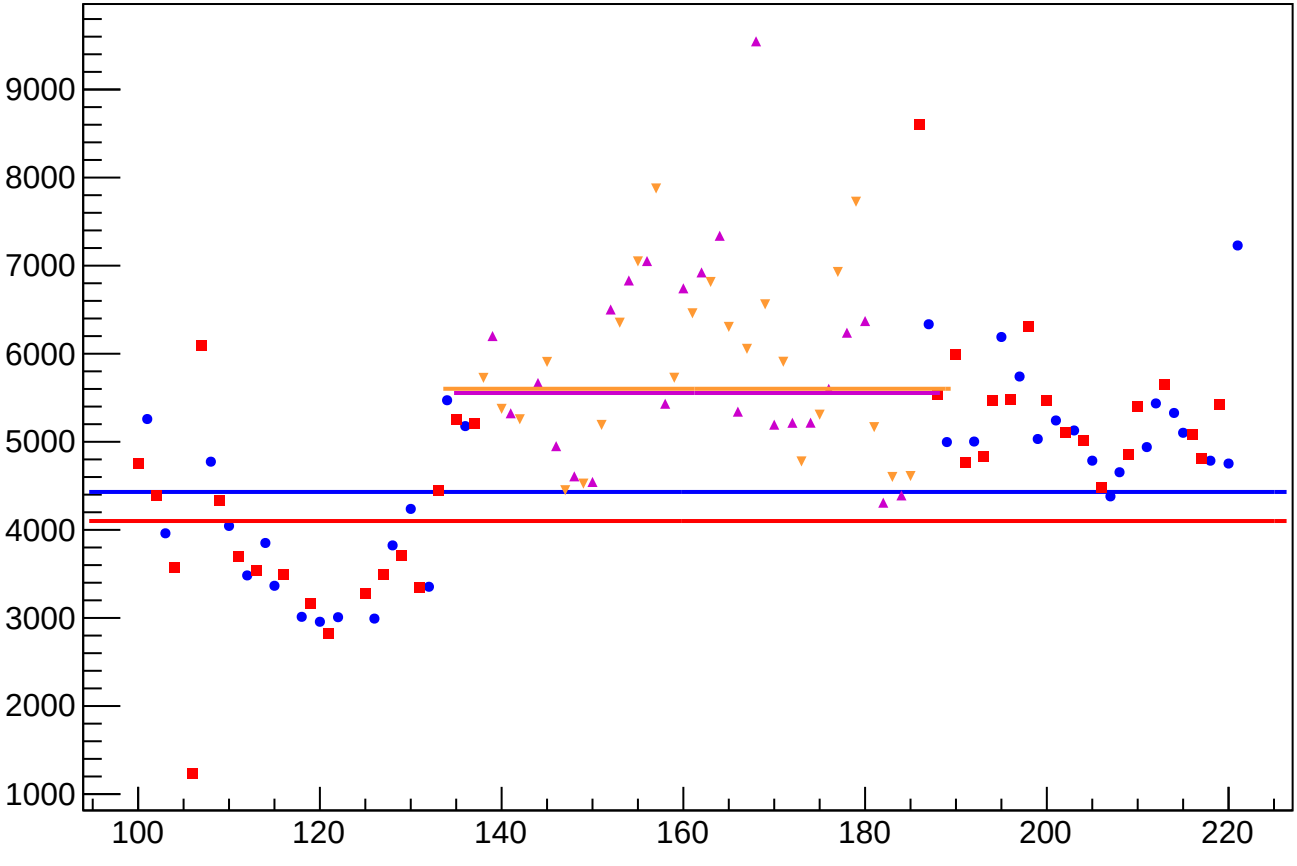
Right: 1905.423+/-693.649 χ^2/NDF: 105.4/69

In: 2423.036+/-784.863 χ^2/NDF:48.4/56

Out: 1650.042+/-791.036 χ^2/NDF:100.2/59

All: 2039.567+/-557.151 χ^2/NDF: 149.1/116

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: 4100.570+/-0.666 χ^2/NDF: 4249971.4/35

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

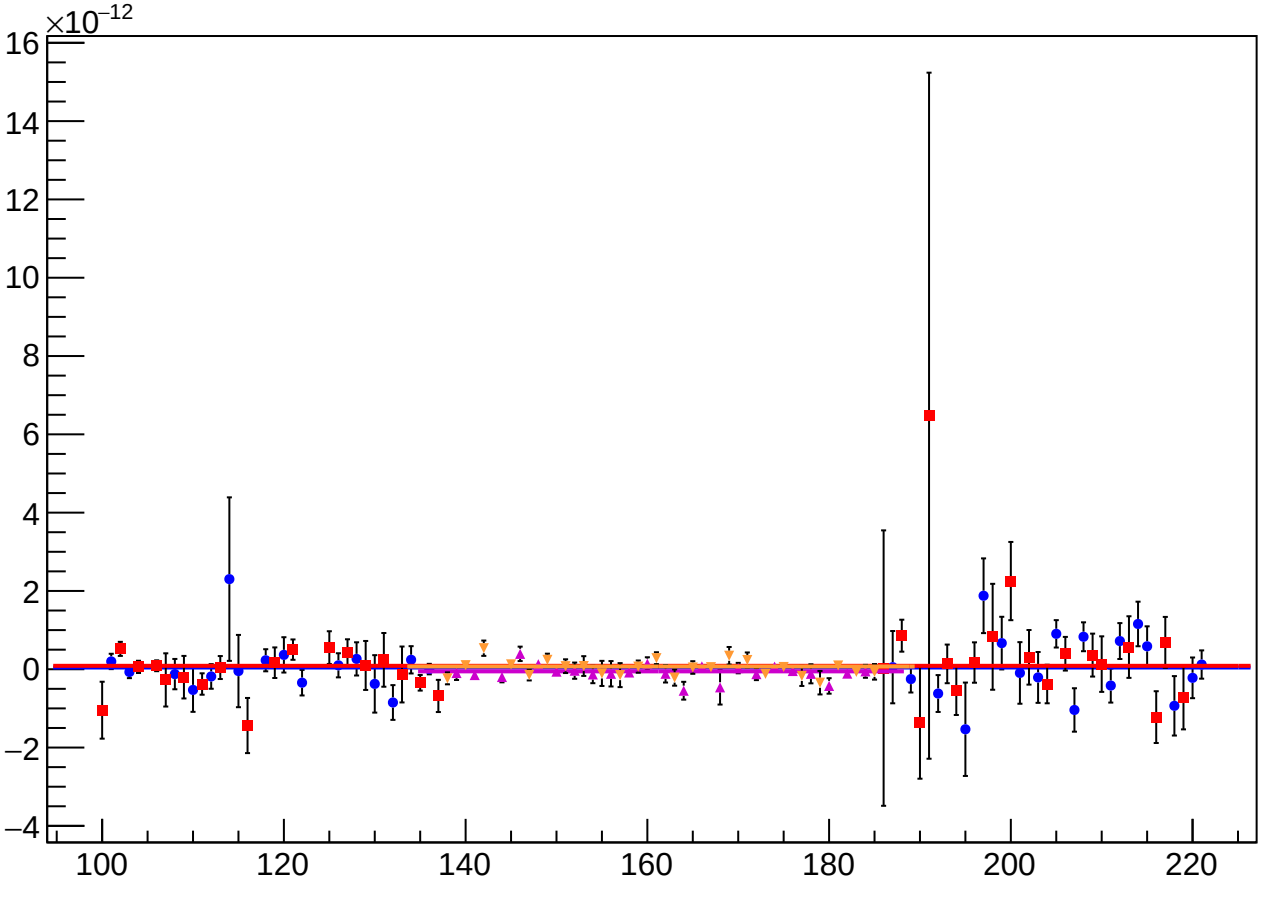
Right: 4259.677+/-0.479 χ^2/NDF: 6270023.1/69

In: 4827.143+/-0.555 χ^2/NDF:3949563.7/56

Out: 4604.616+/-0.543 χ^2/NDF:6898707.0/59

All: 4713.361+/-0.388 χ^2/NDF: 10930476.4/1

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: 48.7/35

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

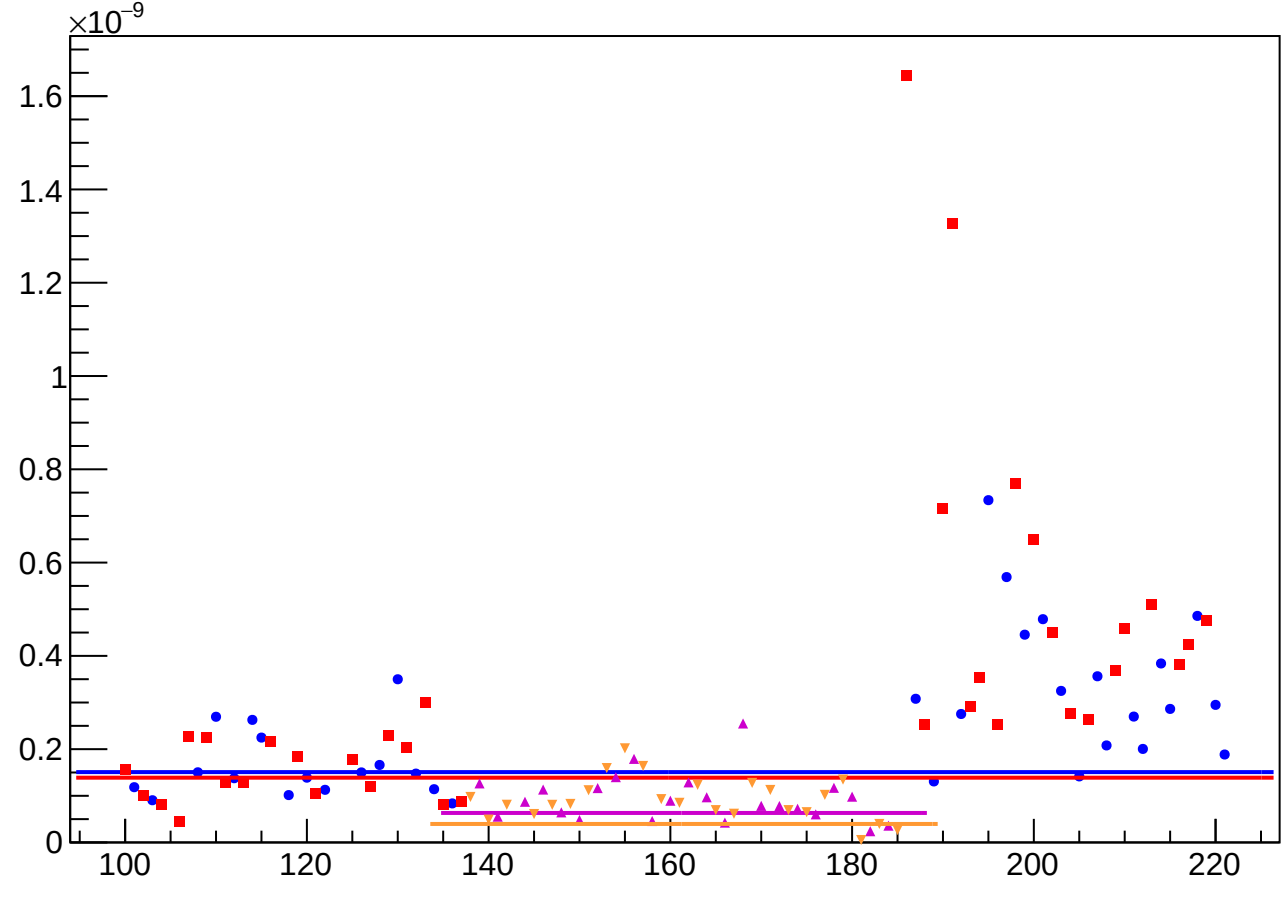
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 94.3/69

In: -0.000+/-0.000 χ^2/NDF:72.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.0/59

All: 0.000+/-0.000 χ^2/NDF: 161.0/116



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: 7128723.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

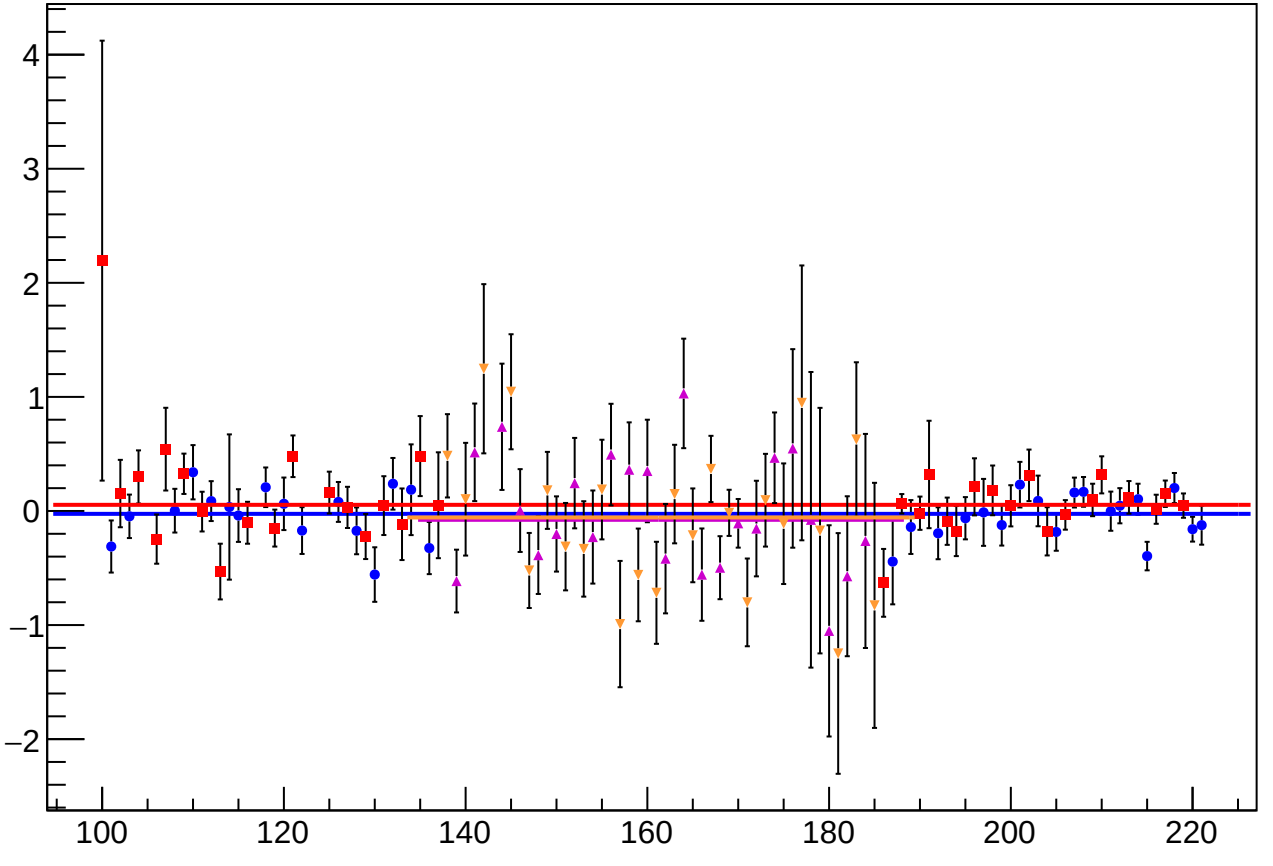
Right: 0.000+/-0.000 χ^2/NDF: 11871027.8/69

In: 0.000+/-0.000 χ^2/NDF:11071071.4/56

Out: 0.000+/-0.000 χ^2/NDF:18859906.4/59

All: 0.000+/-0.000 χ^2/NDF: 31316745.1/116

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: 41.2/35

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

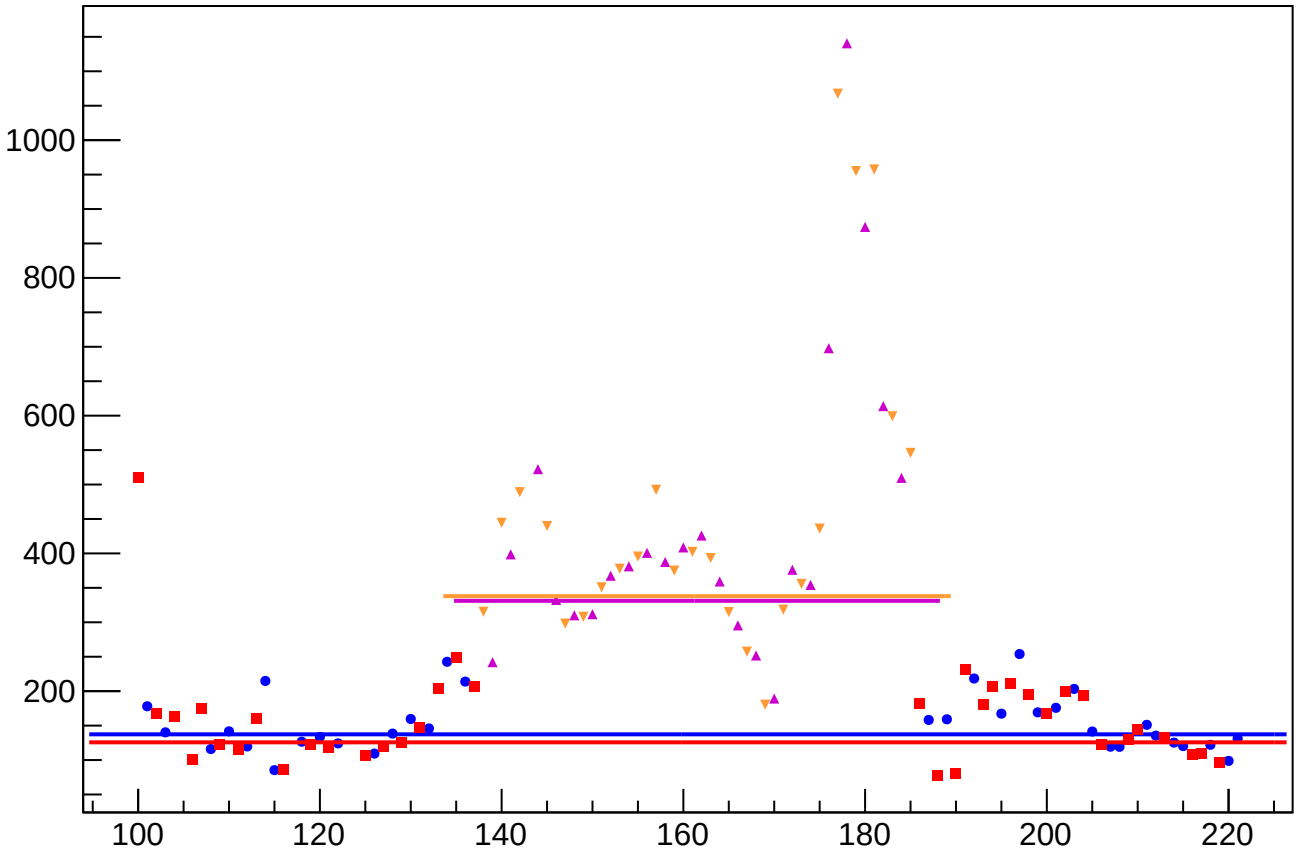
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.016+/-0.021 χ^2/NDF: 84.8/69

In: -0.032+/-0.029 χ^2/NDF:67.6/56

Out: 0.042+/-0.028 χ^2/NDF:73.1/59

All: 0.007+/-0.020 χ^2/NDF: 143.9/116



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: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

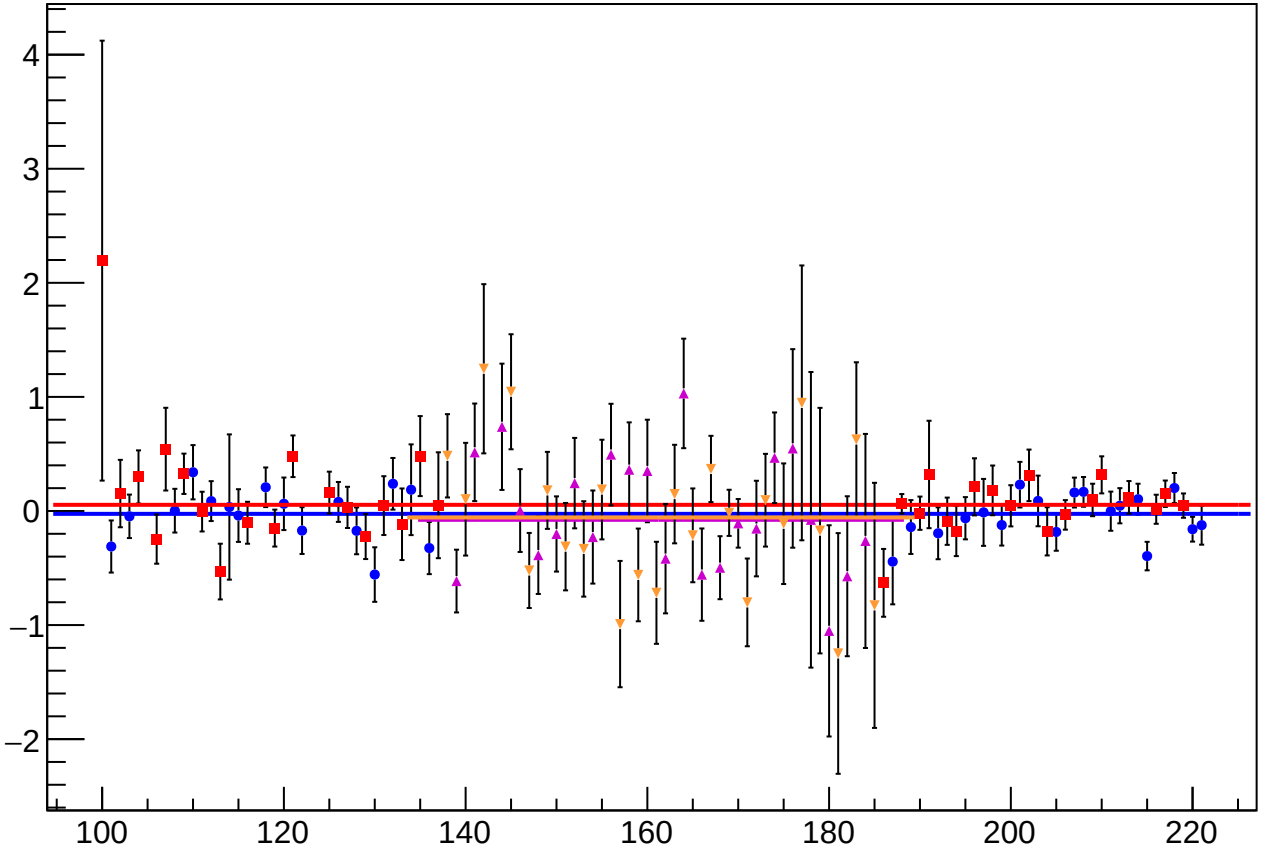
Right: 131.224+/-0.015 χ^2/NDF: 5725570.4/69

In: 161.138+/-0.021 χ^2/NDF:15655826.8/56

Out: 148.514+/-0.020 χ^2/NDF:19029316.3/59

All: 154.557+/-0.014 χ^2/NDF: 34879576.6/1

asym_usl_atl2_avg_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: 41.2/35

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

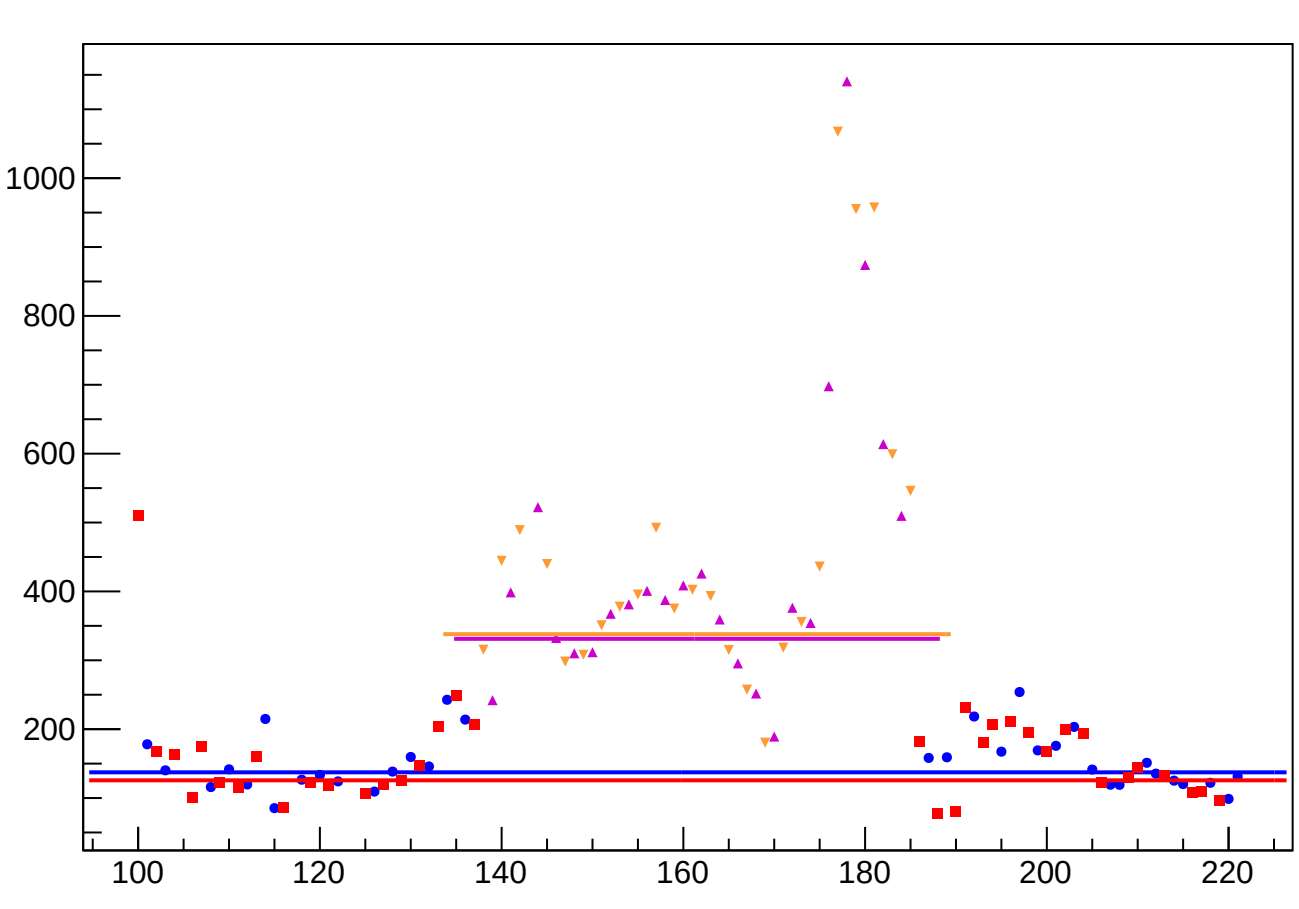
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.016+/-0.021 χ^2/NDF: 84.8/69

In: -0.032+/-0.029 χ^2/NDF:67.6/56

Out: 0.042+/-0.028 χ^2/NDF:73.1/59

All: 0.007+/-0.020 χ^2/NDF: 143.9/116



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: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

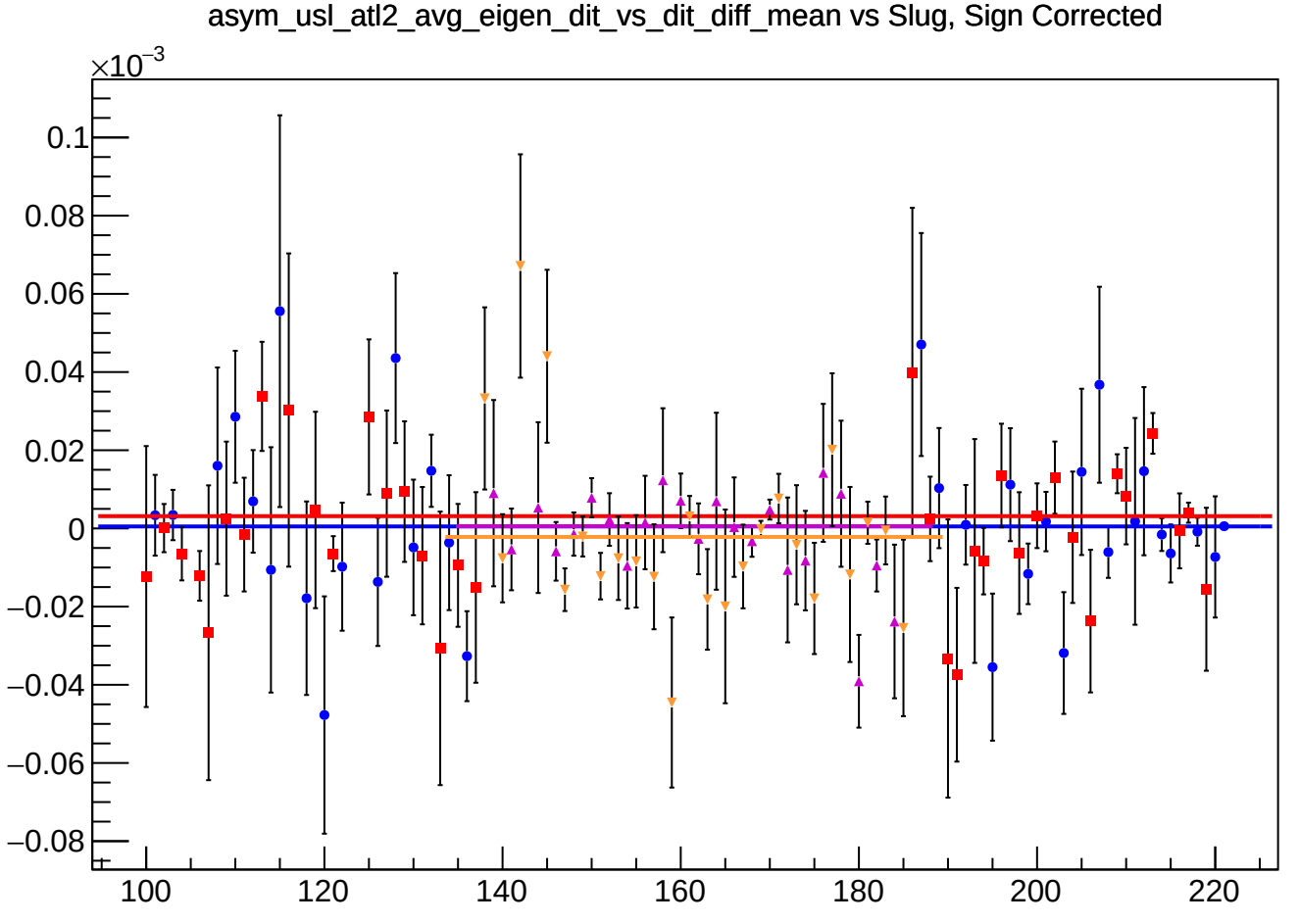
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 131.224+/-0.015 χ^2/NDF: 5725570.4/69

In: 161.138+/-0.021 χ^2/NDF:15655826.8/56

Out: 148.514+/-0.020 χ^2/NDF:19029316.3/59

All: 154.557+/-0.014 χ^2/NDF: 34879576.6/11



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: 57.1/35

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

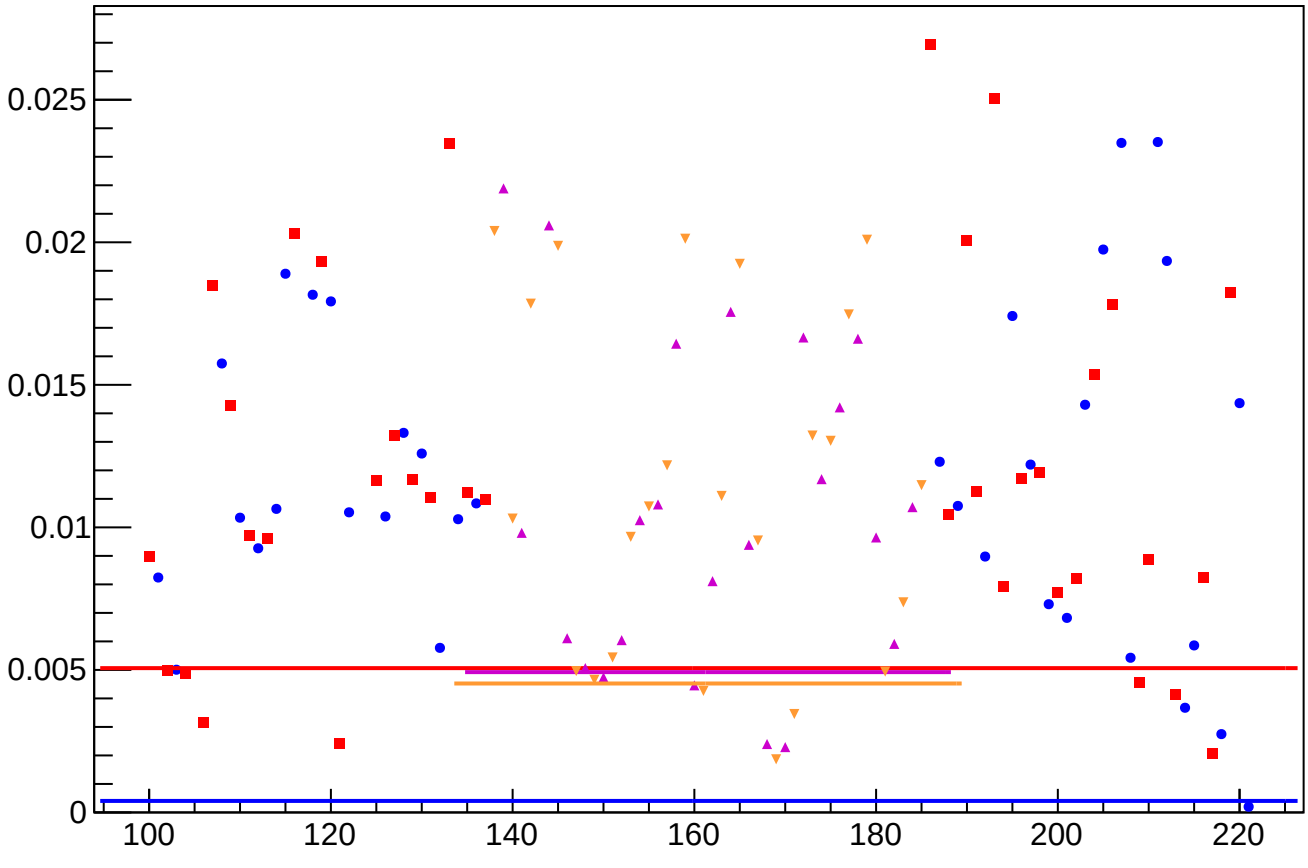
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 103.8/69

In: 0.000+/-0.000 χ^2/NDF:69.8/56

Out: 0.000+/-0.000 χ^2/NDF:101.9/59

All: 0.000+/-0.000 χ^2/NDF: 171.7/116



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: 0.005+/-0.000 χ^2/NDF: 14730882.3/35

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

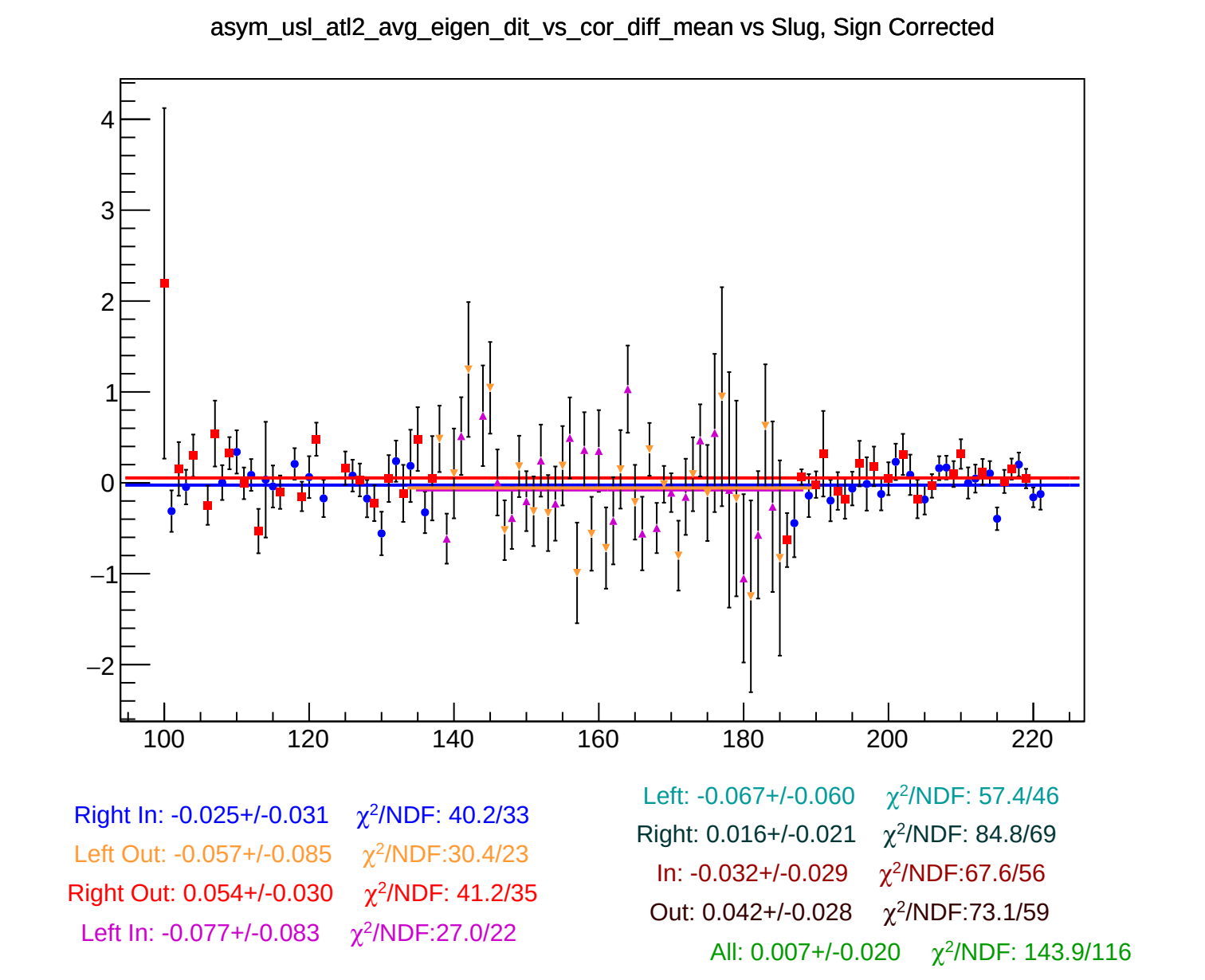
Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

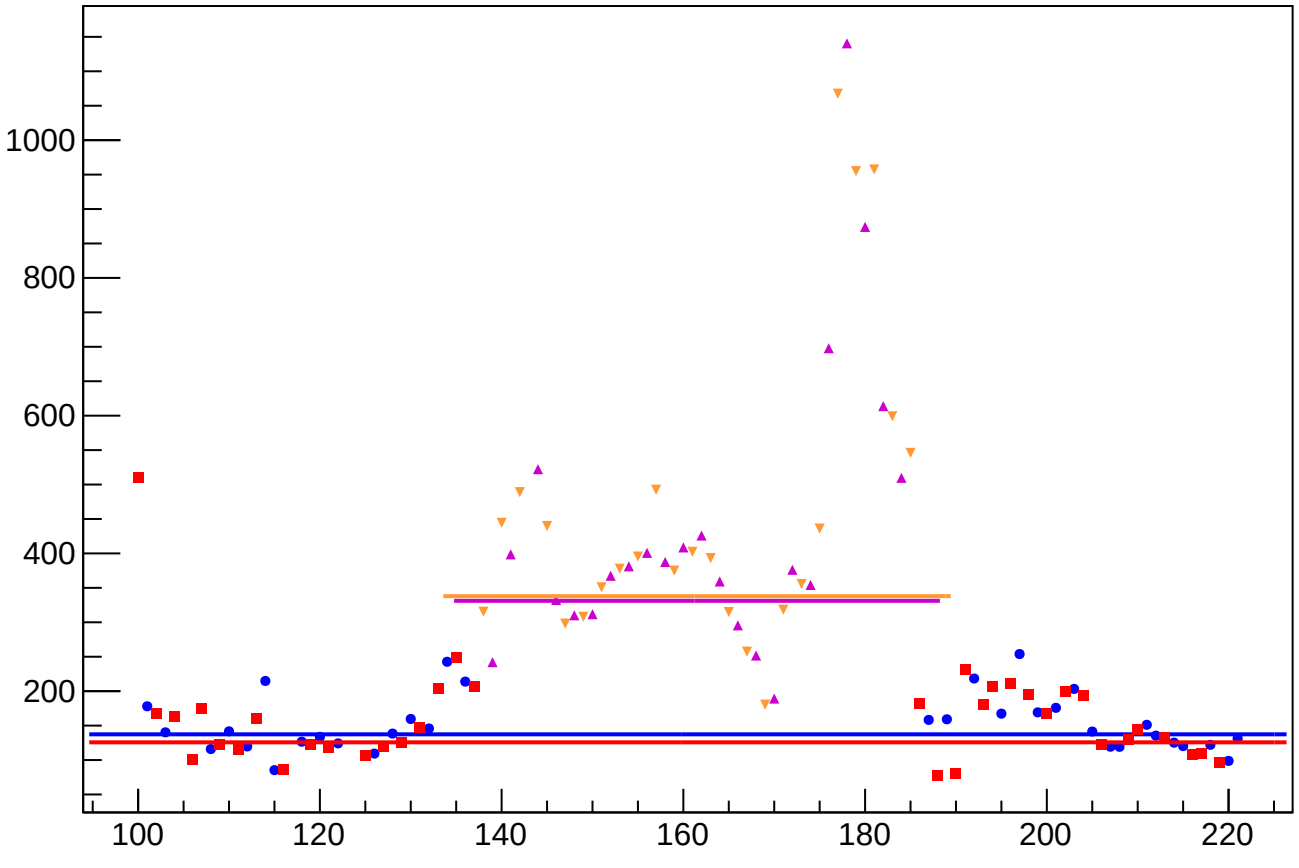
Right: 0.001+/-0.000 χ^2/NDF: 70702358.6/69

In: 0.001+/-0.000 χ^2/NDF:65469149.9/56

Out: 0.005+/-0.000 χ^2/NDF:29113166.4/59

All: 0.001+/-0.000 χ^2/NDF: 126165302.3/116


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: 41.2/35
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: 84.8/69
In: -0.032+/-0.029 χ²/NDF:67.6/56
Out: 0.042+/-0.028 χ²/NDF:73.1/59
All: 0.007+/-0.020 χ²/NDF: 143.9/116



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: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

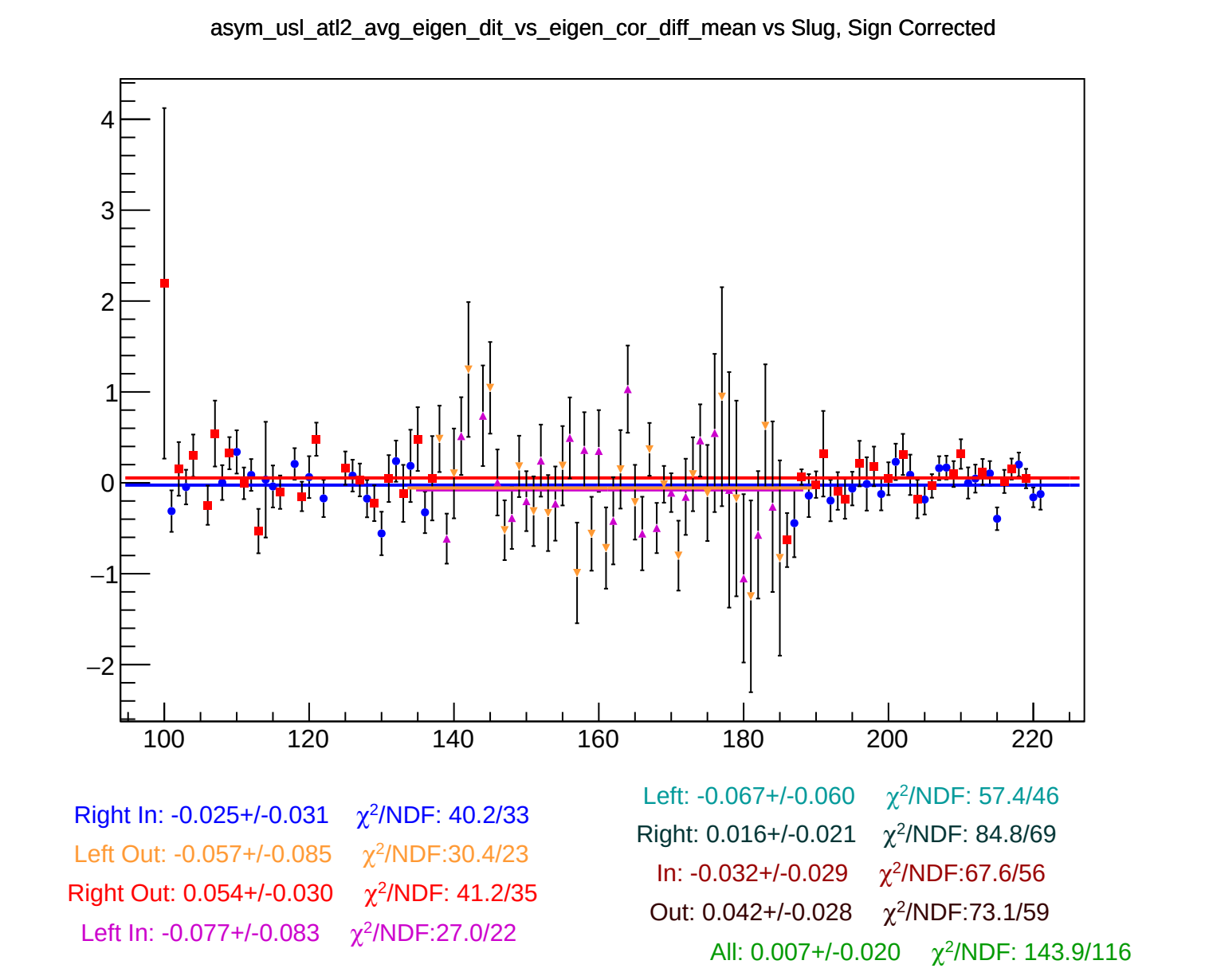
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

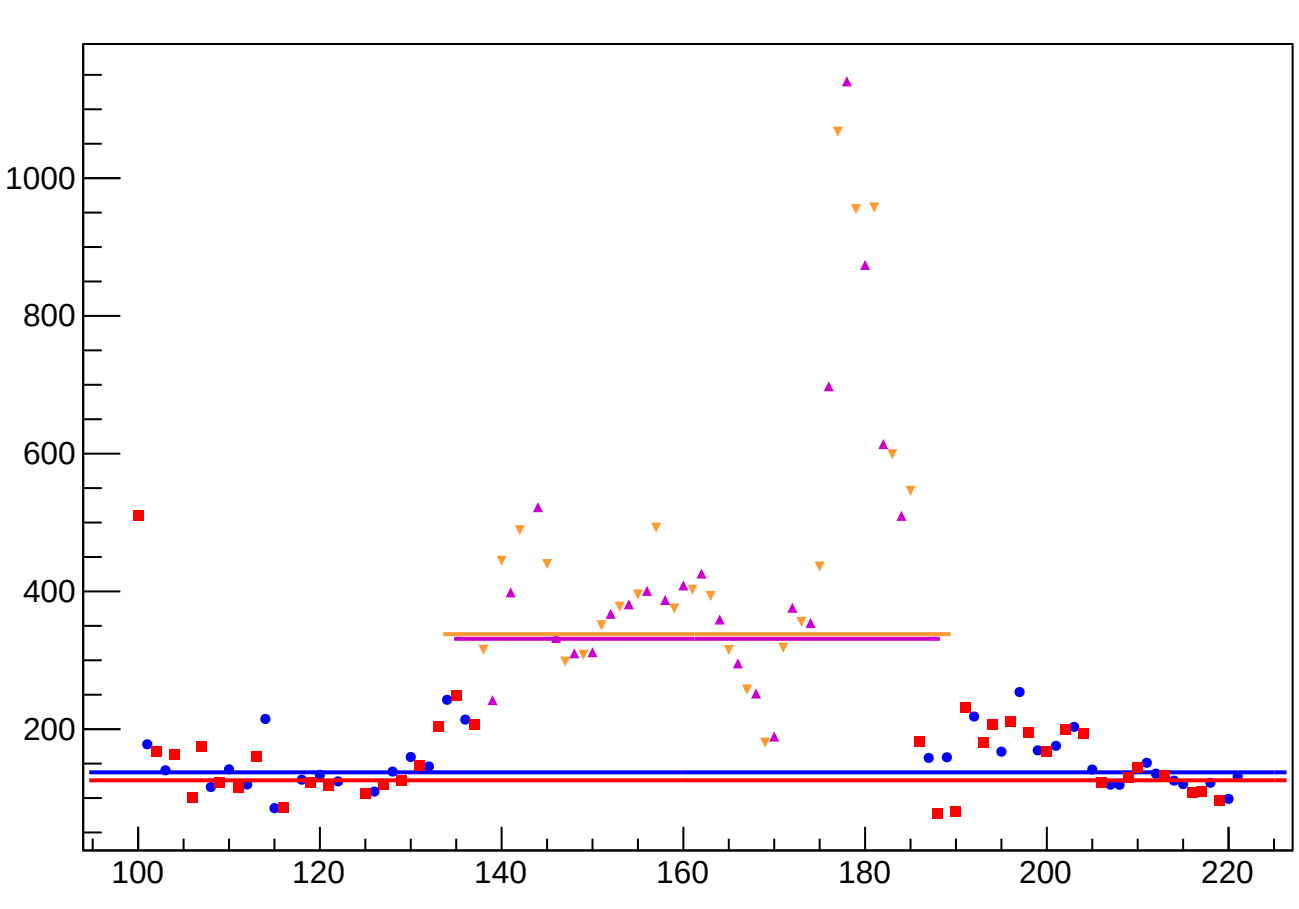
Right: 131.223+/-0.015 χ^2/NDF: 5725711.3/69

In: 161.139+/-0.021 χ^2/NDF:15655883.7/56

Out: 148.513+/-0.020 χ^2/NDF:19029726.3/59

All: 154.556+/-0.014 χ^2/NDF: 34880099.2/11


asym_usl_atl2_avg_eigen_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: 41.2/35
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: 84.8/69
In: -0.032+/-0.029 χ²/NDF:67.6/56
Out: 0.042+/-0.028 χ²/NDF:73.1/59
All: 0.007+/-0.020 χ²/NDF: 143.9/116



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: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

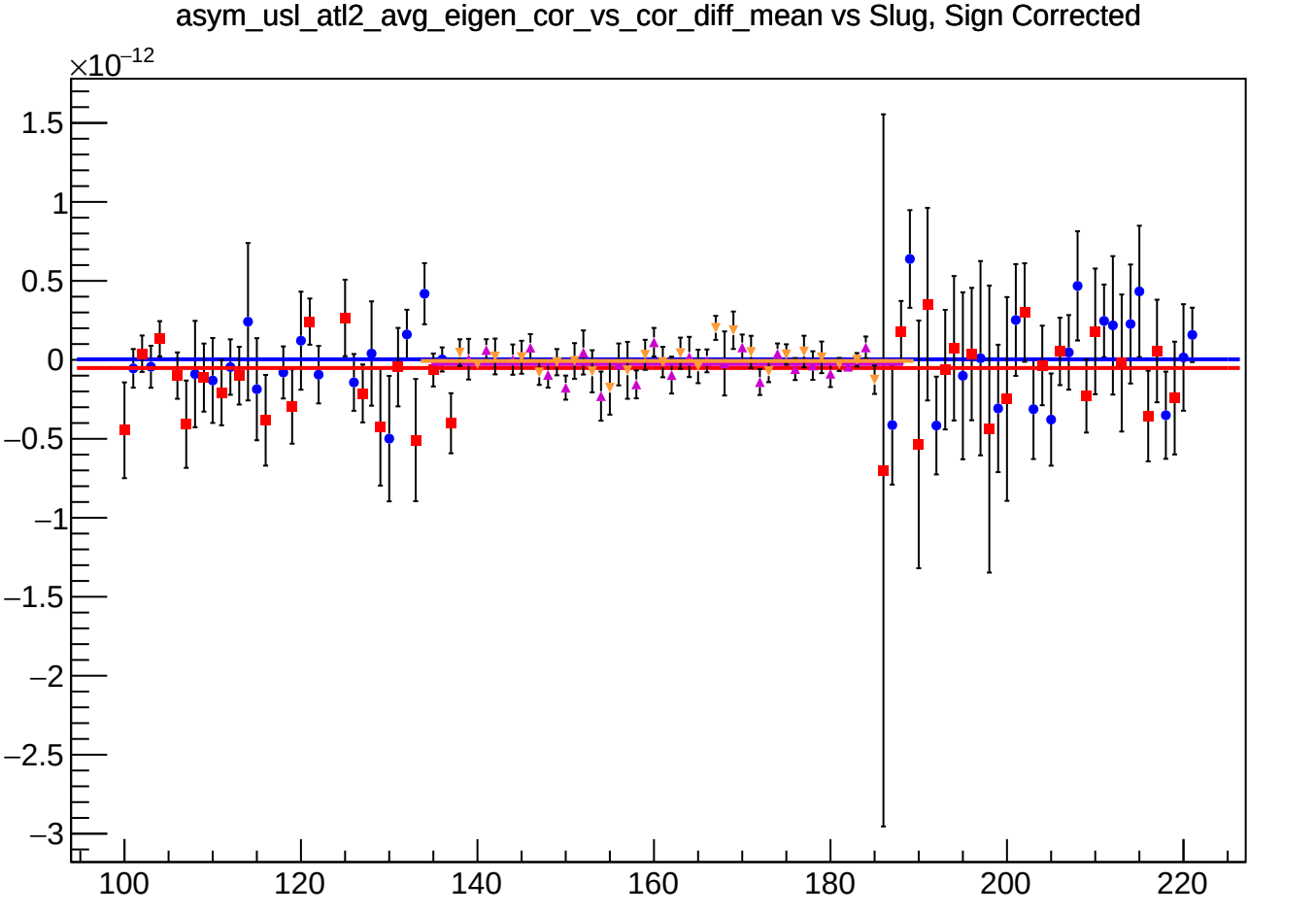
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 131.223+/-0.015 χ^2/NDF: 5725711.3/69

In: 161.139+/-0.021 χ^2/NDF:15655883.7/56

Out: 148.513+/-0.020 χ^2/NDF:19029726.3/59

All: 154.556+/-0.014 χ^2/NDF: 34880099.2/11



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: 28.8/35

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

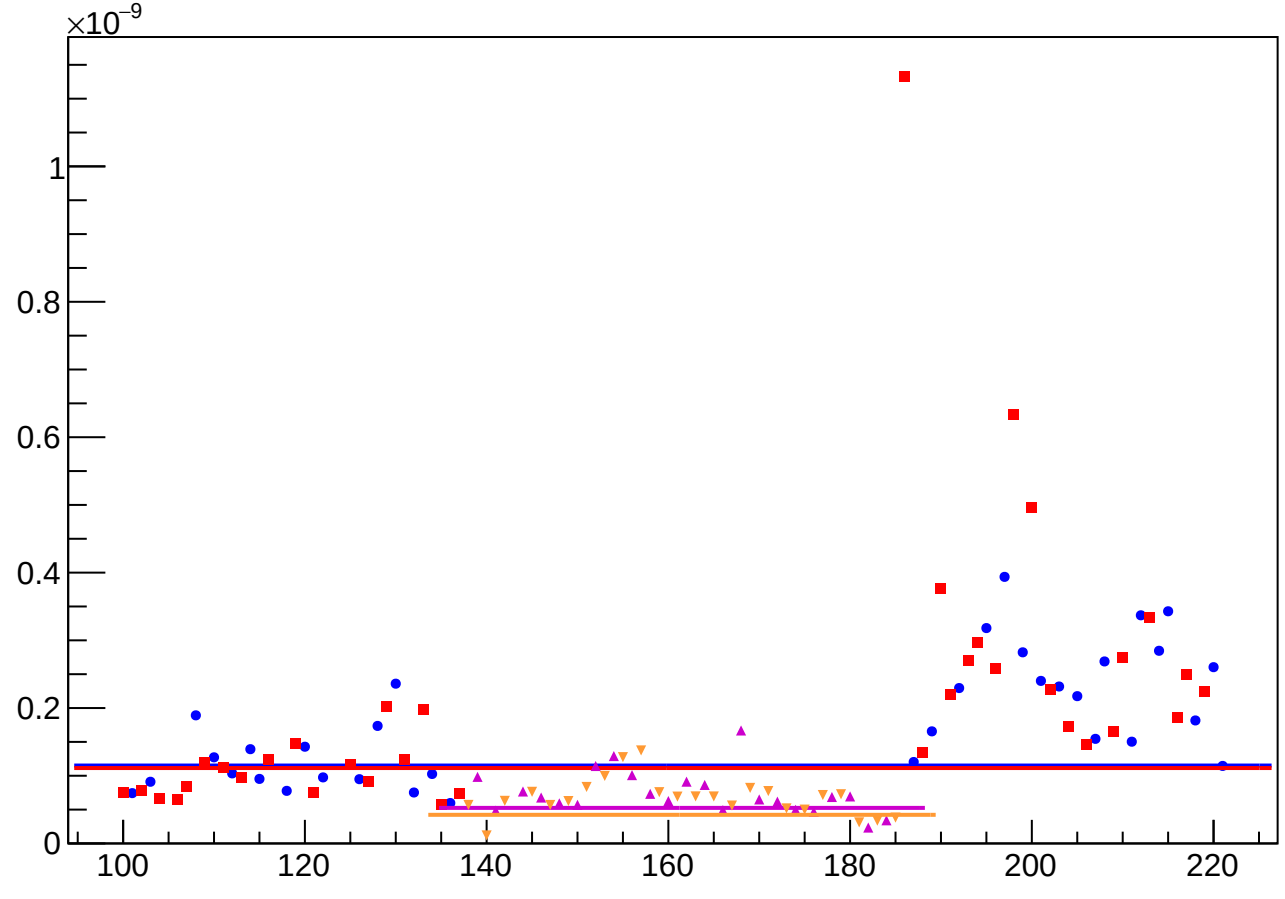
Right: -0.000+/-0.000 χ^2/NDF: 58.1/69

In: -0.000+/-0.000 χ^2/NDF:51.4/56

Out: -0.000+/-0.000 χ^2/NDF:48.2/59

All: -0.000+/-0.000 χ^2/NDF: 99.9/116

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6654366.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6917797.9/35

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

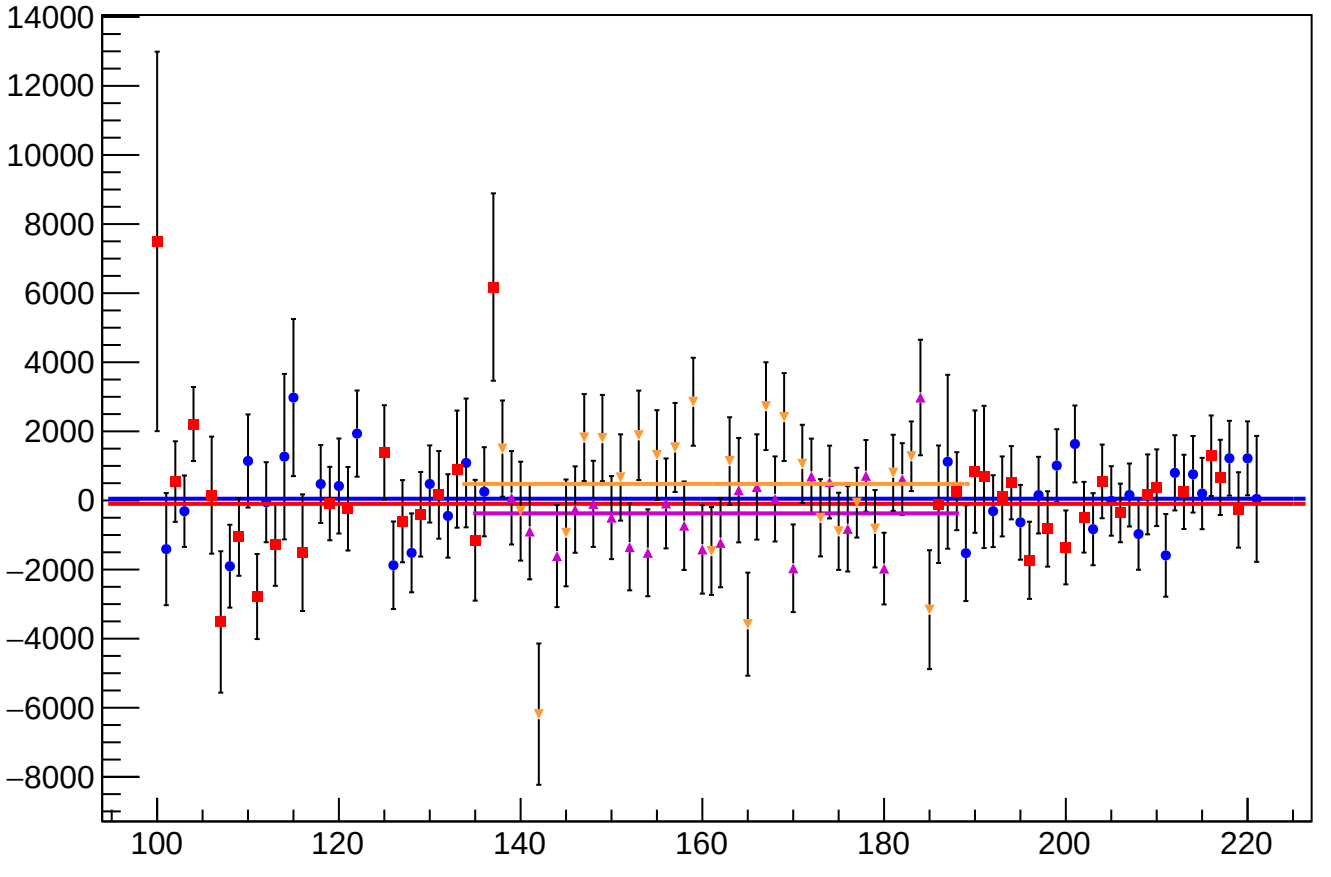
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 13582303.6/69

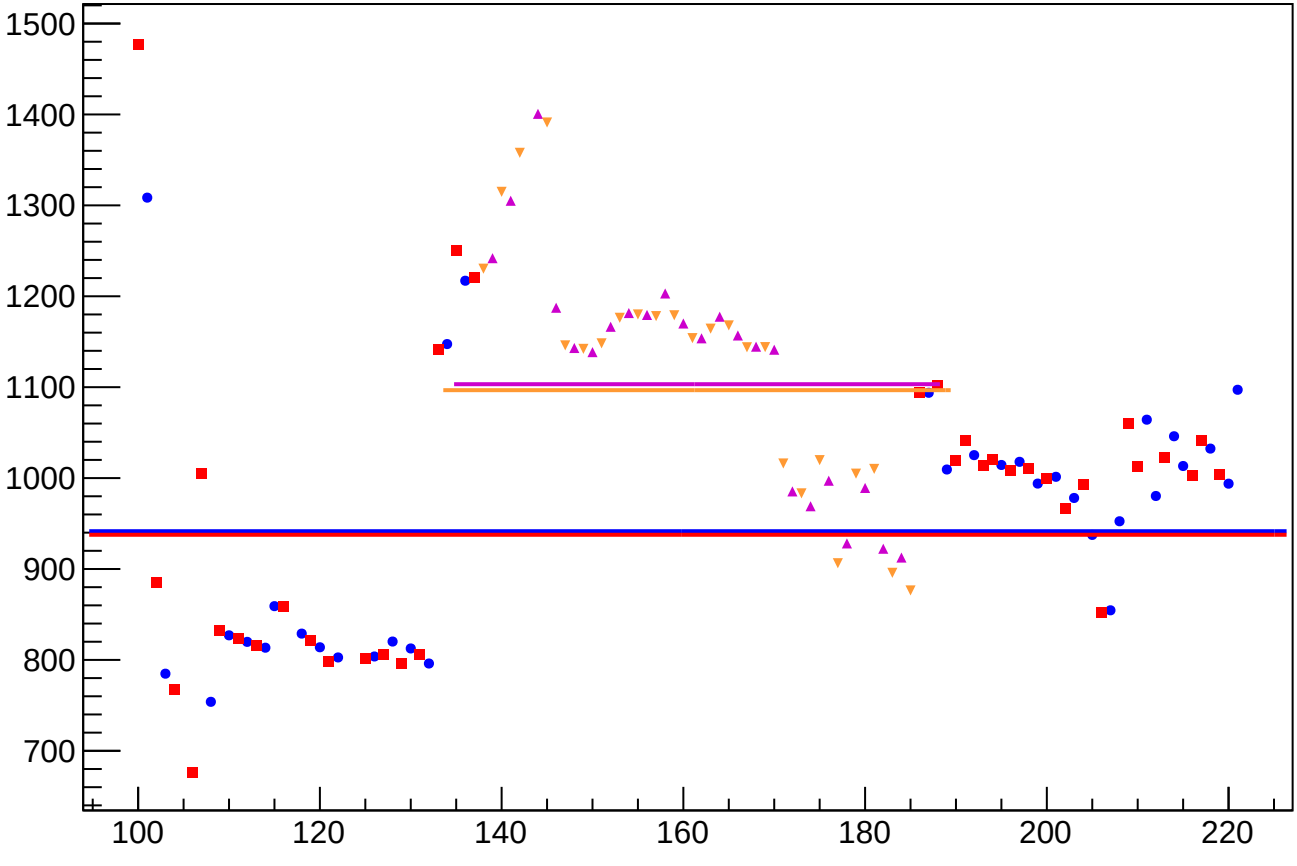
In: 0.000+/-0.000 χ^2/NDF:16428298.3/56

Out: 0.000+/-0.000 χ^2/NDF:19682557.5/59

All: 0.000+/-0.000 χ^2/NDF: 36757809.3/116


reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 50.043+/-205.235 χ²/NDF: 25.2/33
Left Out: 479.555+/-256.330 χ²/NDF:45.2/23
Right Out: -98.125+/-206.015 χ²/NDF: 32.2/35
Left In: -372.926+/-259.314 χ²/NDF:16.0/22
Left: 58.248+/-182.298 χ²/NDF: 66.7/46
Right: -23.760+/-145.398 χ²/NDF: 57.7/69
In: -112.862+/-160.930 χ²/NDF:42.9/56
Out: 128.586+/-160.580 χ²/NDF:80.4/59
All: 8.125+/-113.671 χ²/NDF: 124.5/116

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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: 937.665+/-0.145 χ^2/NDF: 692054.7/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

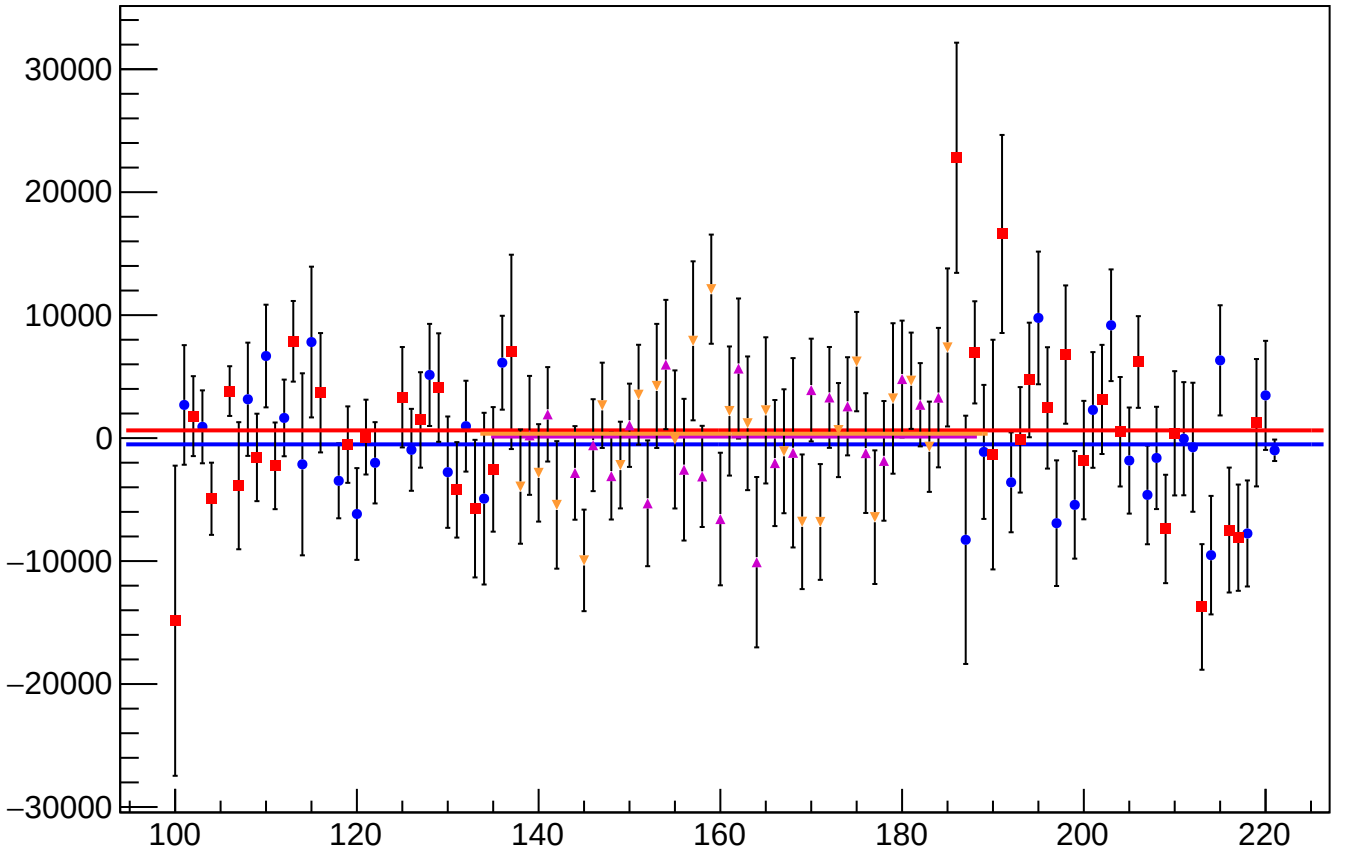
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 939.619+/-0.103 χ^2/NDF: 1373656.3/69

In: 1003.856+/-0.114 χ^2/NDF:1606955.2/56

Out: 999.694+/-0.113 χ^2/NDF:1642233.8/59

All: 1001.764+/-0.080 χ^2/NDF: 3249861.5/11



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: 627.790+/-693.249 χ^2/NDF: 54.7/35

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

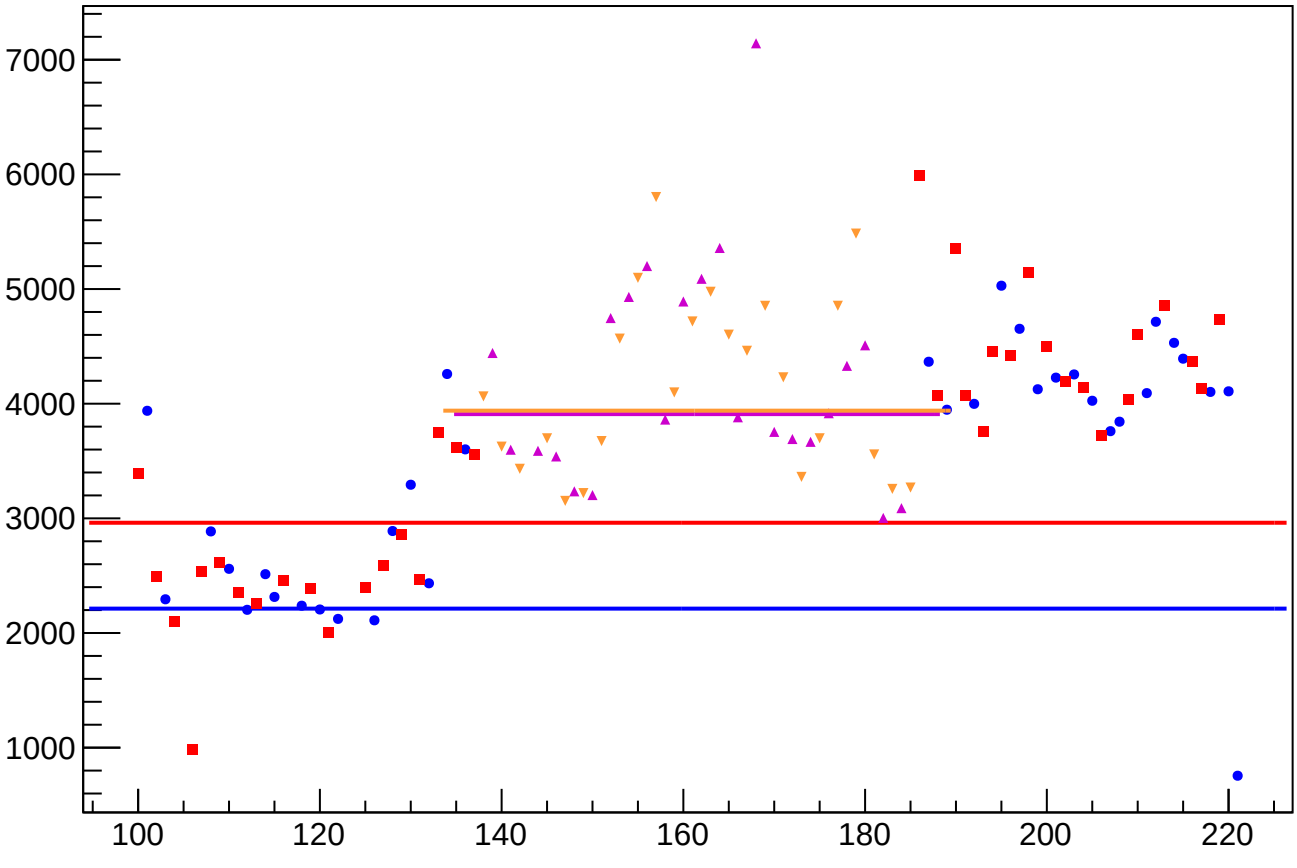
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: -54.499+/-438.139 χ^2/NDF: 95.6/69

In: -337.649+/-483.472 χ^2/NDF:53.4/56

Out: 531.889+/-556.713 χ^2/NDF:85.0/59

All: 36.196+/-365.034 χ^2/NDF: 139.8/116



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: 2961.645+/-0.490 χ^2/NDF: 5761764.6/35

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

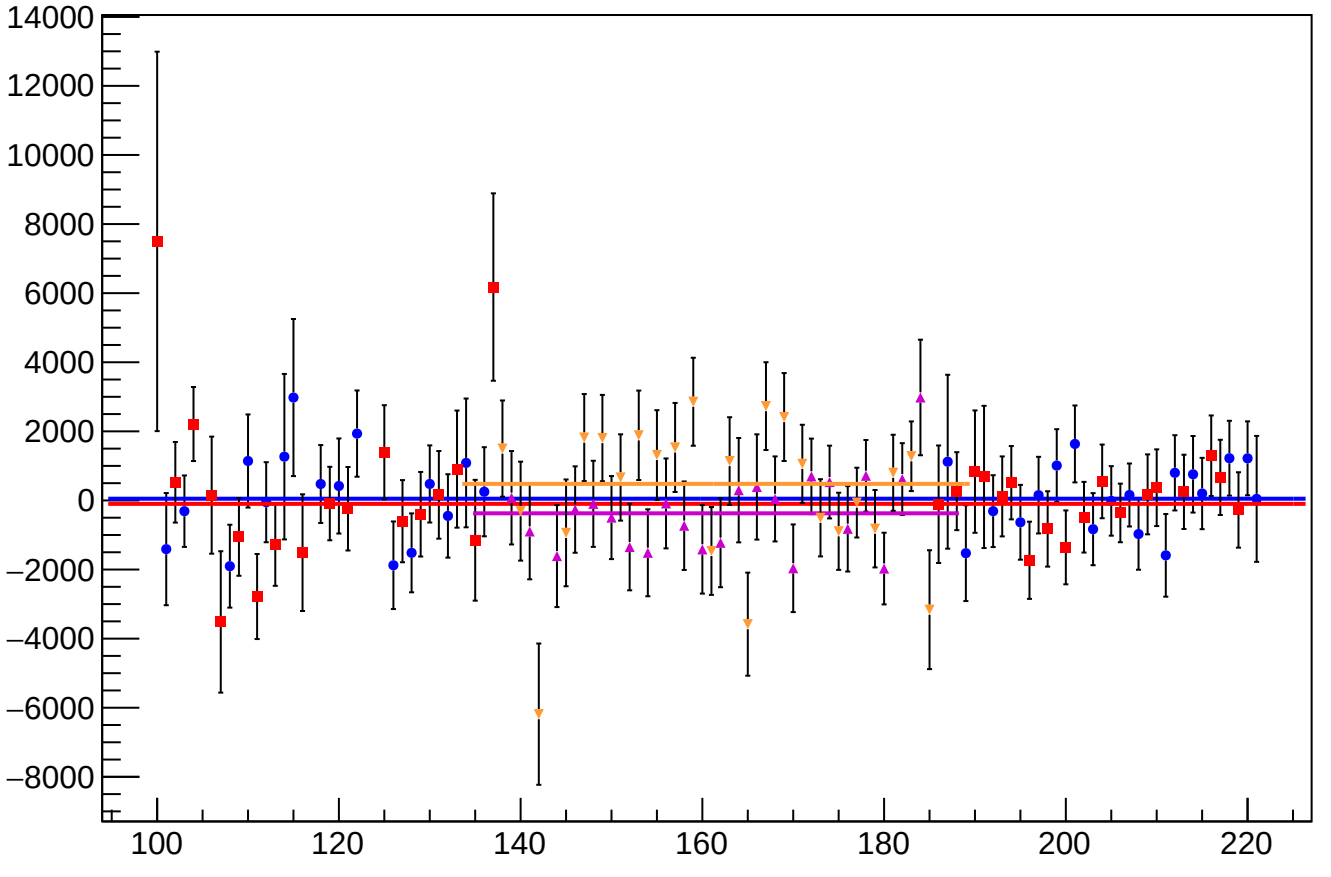
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2511.840+/-0.310 χ^2/NDF: 19936593.6/69

In: 2668.559+/-0.342 χ^2/NDF:18912708.3/56

Out: 3308.808+/-0.394 χ^2/NDF:8266816.3/59

All: 2943.824+/-0.258 χ^2/NDF: 28687480.9/1



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: -98.812+/-206.017 χ^2/NDF: 32.2/35

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

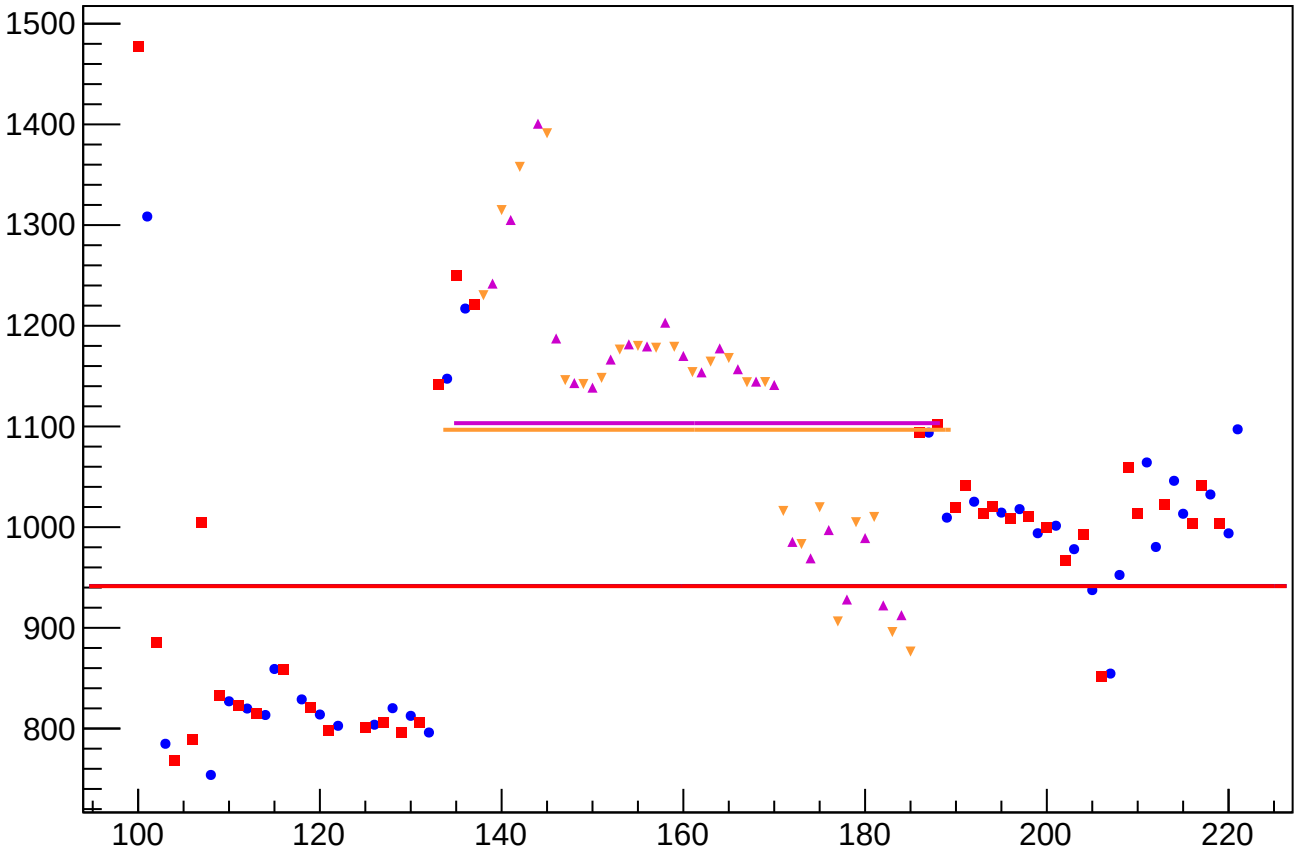
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -24.099+/-145.399 χ^2/NDF: 57.6/69

In: -112.849+/-160.930 χ^2/NDF:42.9/56

Out: 128.181+/-160.580 χ^2/NDF:80.4/59

All: 7.928+/-113.671 χ^2/NDF: 124.5/116



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: 941.401+/-0.145 χ^2/NDF: 630006.0/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

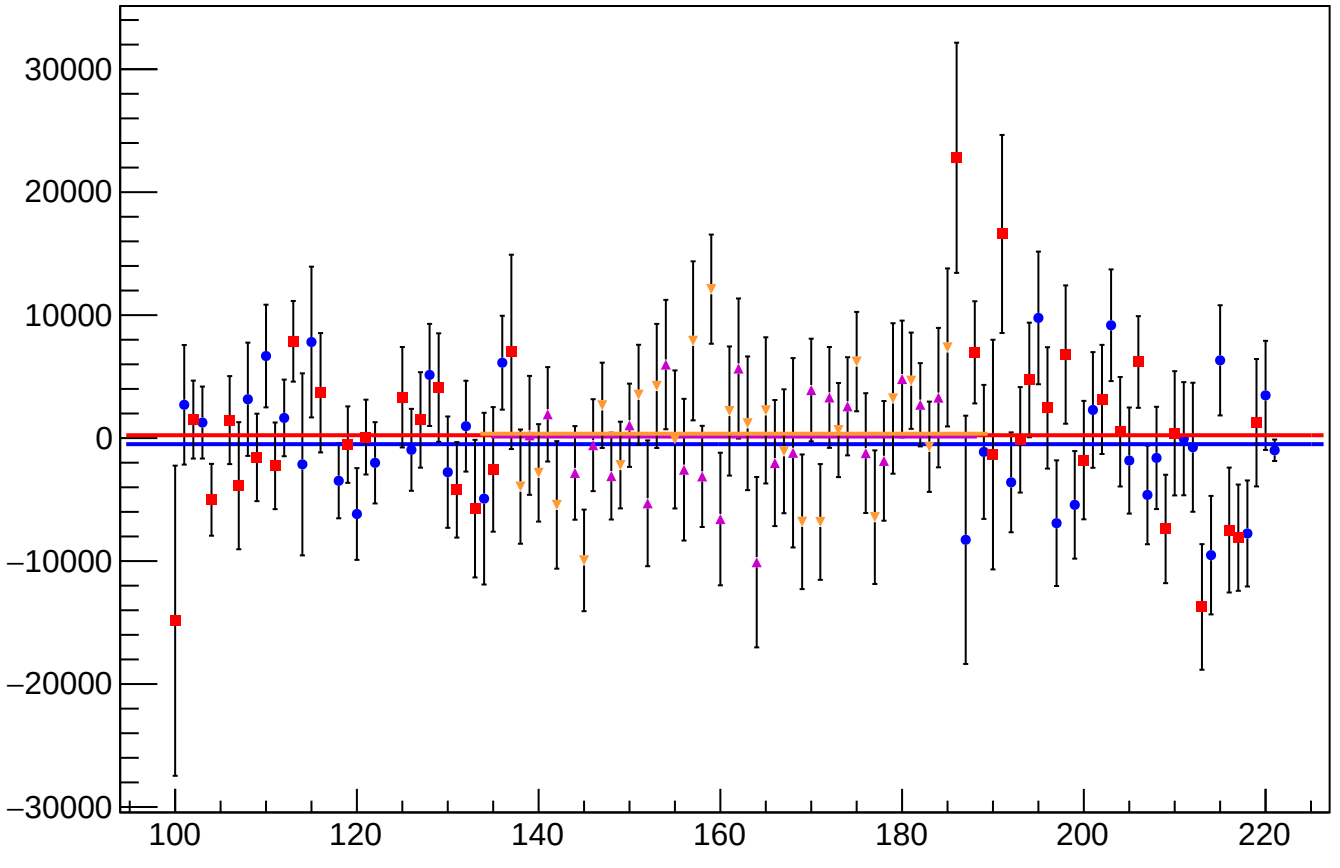
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 941.489+/-0.103 χ^2/NDF: 1311244.5/69

In: 1003.856+/-0.114 χ^2/NDF:1606955.2/56

Out: 1002.195+/-0.113 χ^2/NDF:1557329.8/59

All: 1003.023+/-0.080 χ^2/NDF: 3164391.9/11



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: 234.294+/-721.645 χ^2/NDF: 52.0/35

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

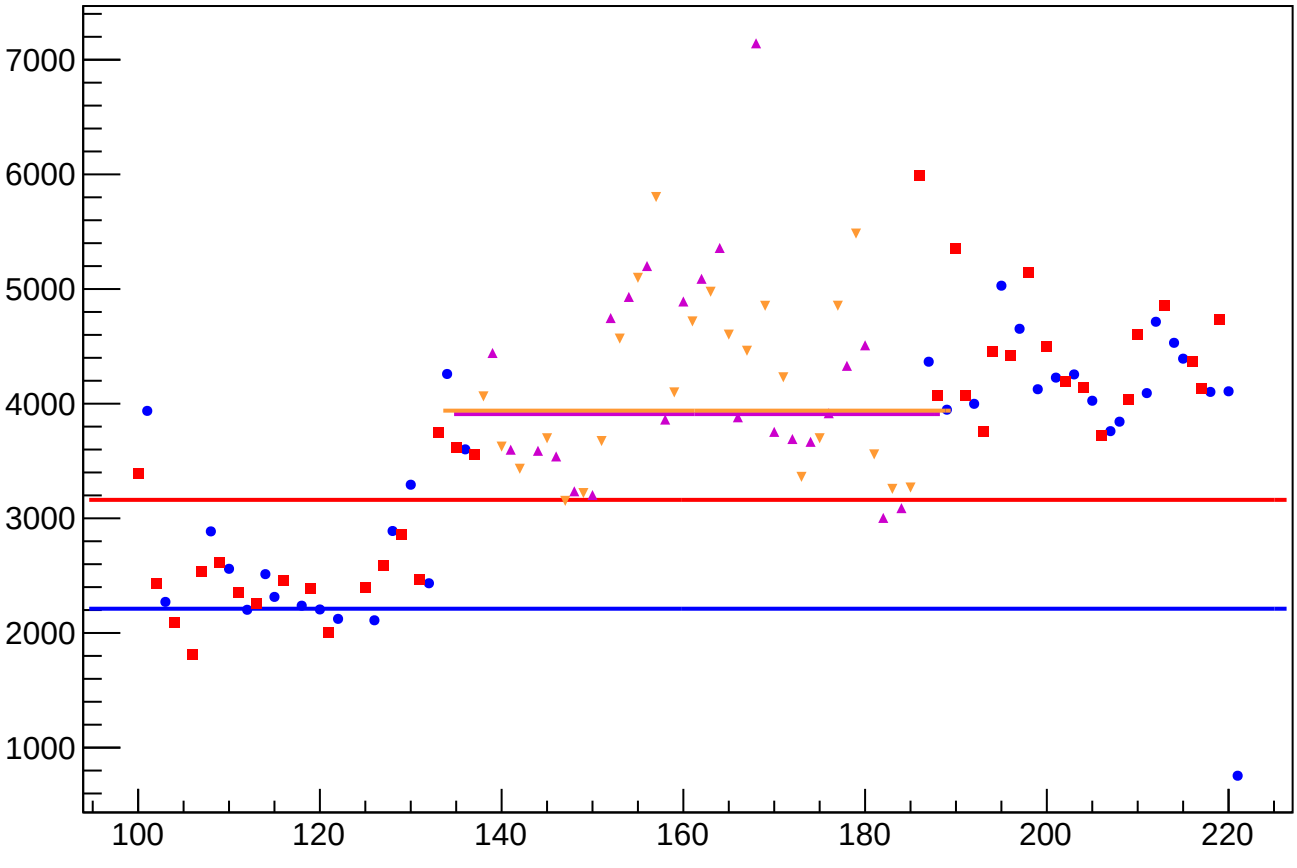
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: -216.743+/-444.894 χ^2/NDF: 92.1/69

In: -326.822+/-483.273 χ^2/NDF:53.5/56

Out: 280.422+/-571.101 χ^2/NDF:82.3/59

All: -73.435+/-368.913 χ^2/NDF: 136.5/116



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: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

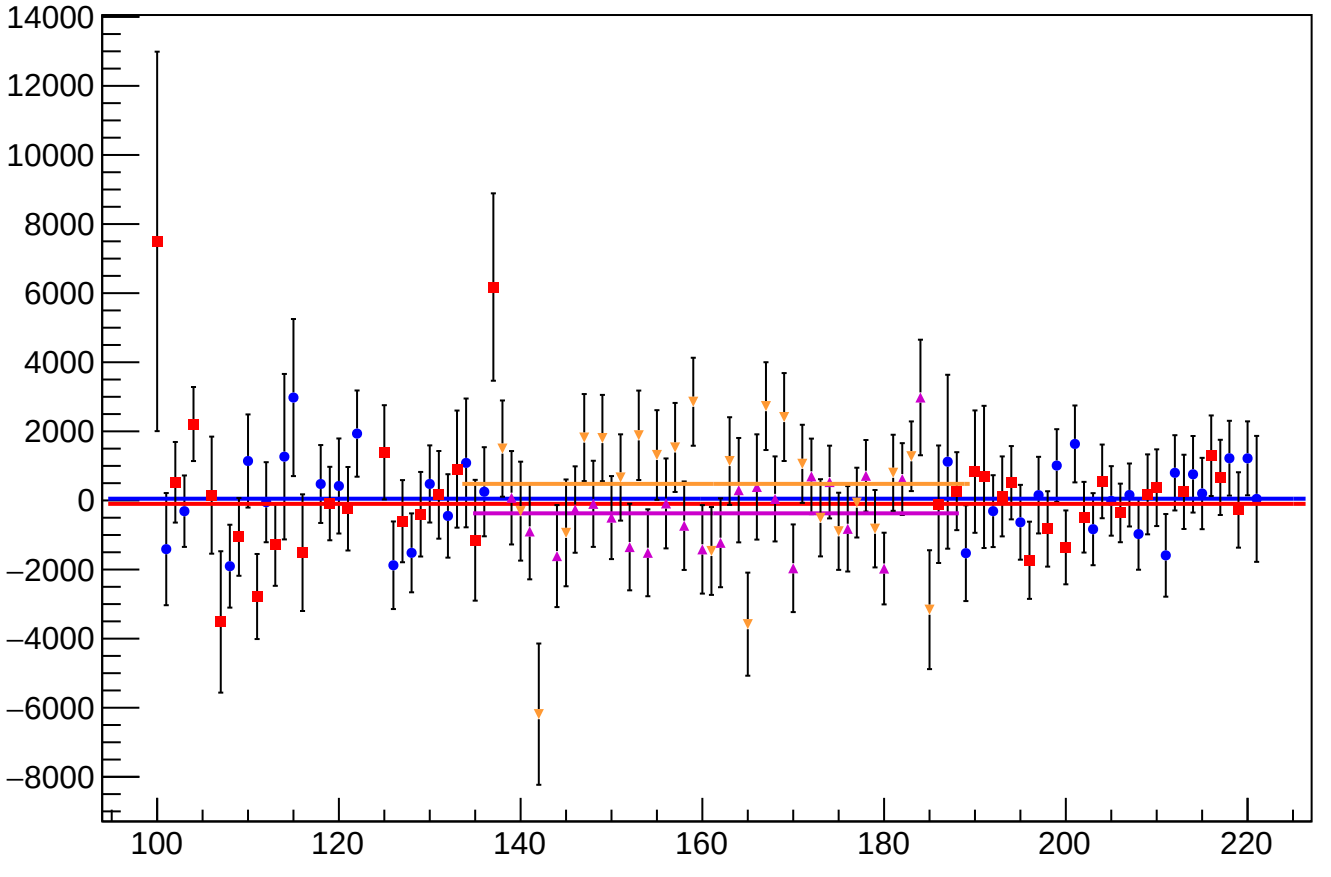
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2572.432+/-0.315 χ^2/NDF: 18850235.5/69

In: 2667.360+/-0.342 χ^2/NDF:18923880.3/56

Out: 3451.873+/-0.404 χ^2/NDF:5889498.7/59

All: 2994.718+/-0.261 χ^2/NDF: 27012590.9/1



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: -98.812+/-206.017 χ^2/NDF: 32.2/35

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

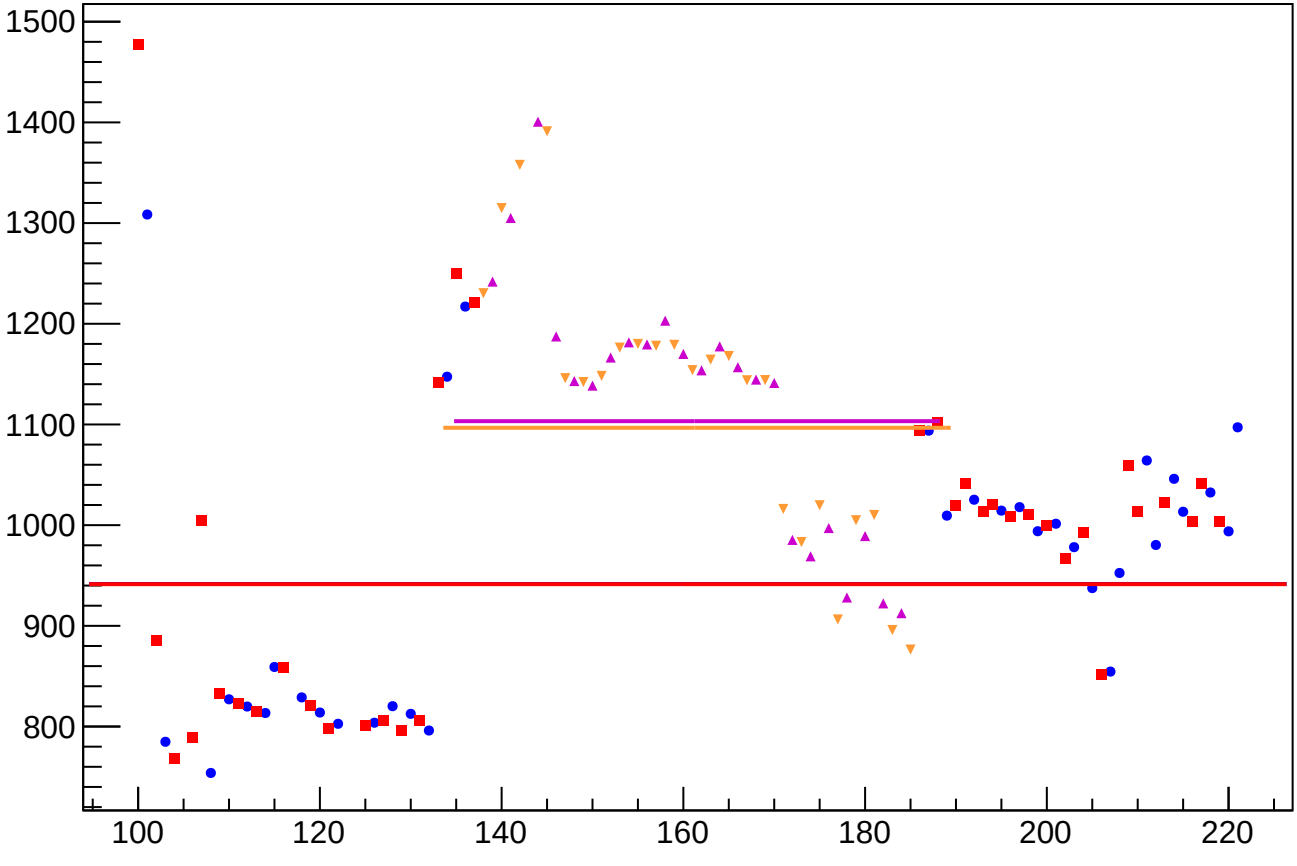
Right: -24.099+/-145.399 χ^2/NDF: 57.6/69

In: -112.849+/-160.930 χ^2/NDF:42.9/56

Out: 128.181+/-160.580 χ^2/NDF:80.4/59

All: 7.928+/-113.671 χ^2/NDF: 124.5/116

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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: 941.401+/-0.145 χ^2/NDF: 630006.0/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

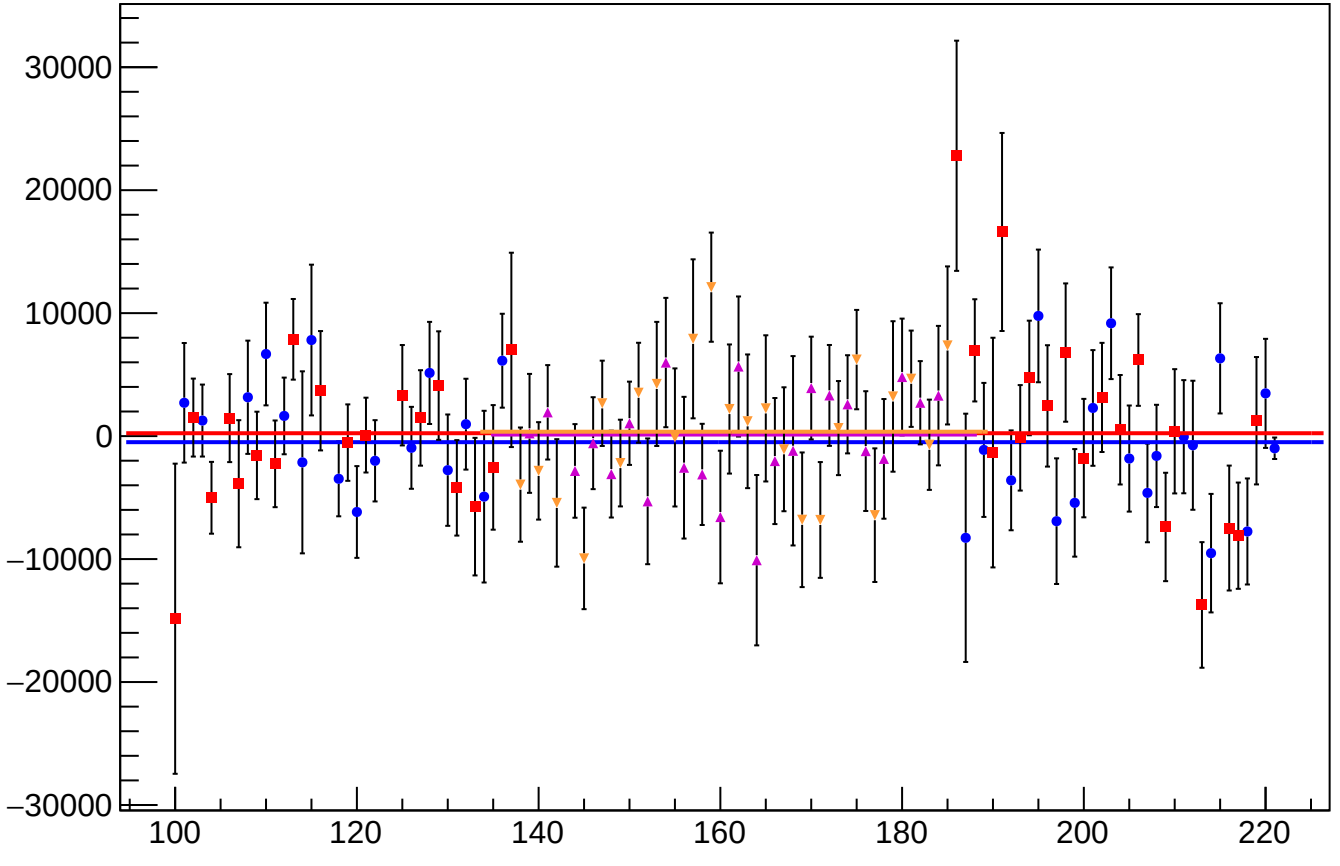
Right: 941.489+/-0.103 χ^2/NDF: 1311244.5/69

In: 1003.856+/-0.114 χ^2/NDF:1606955.2/56

Out: 1002.195+/-0.113 χ^2/NDF:1557329.8/59

All: 1003.023+/-0.080 χ^2/NDF: 3164391.9/11

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 234.294+/-721.645 χ^2/NDF: 52.0/35

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

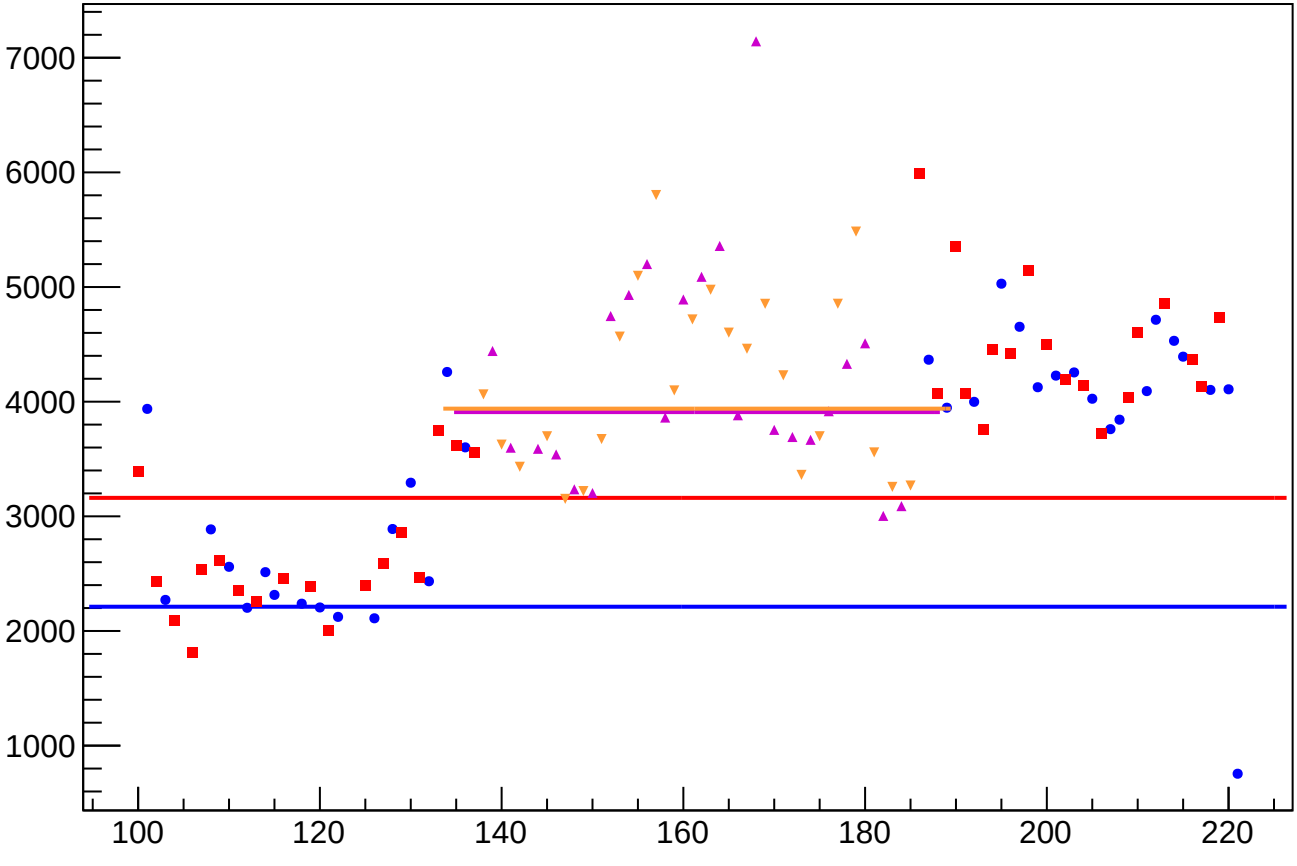
Right: -216.743+/-444.894 χ^2/NDF: 92.1/69

In: -326.822+/-483.273 χ^2/NDF:53.5/56

Out: 280.422+/-571.101 χ^2/NDF:82.3/59

All: -73.435+/-368.913 χ^2/NDF: 136.5/116

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

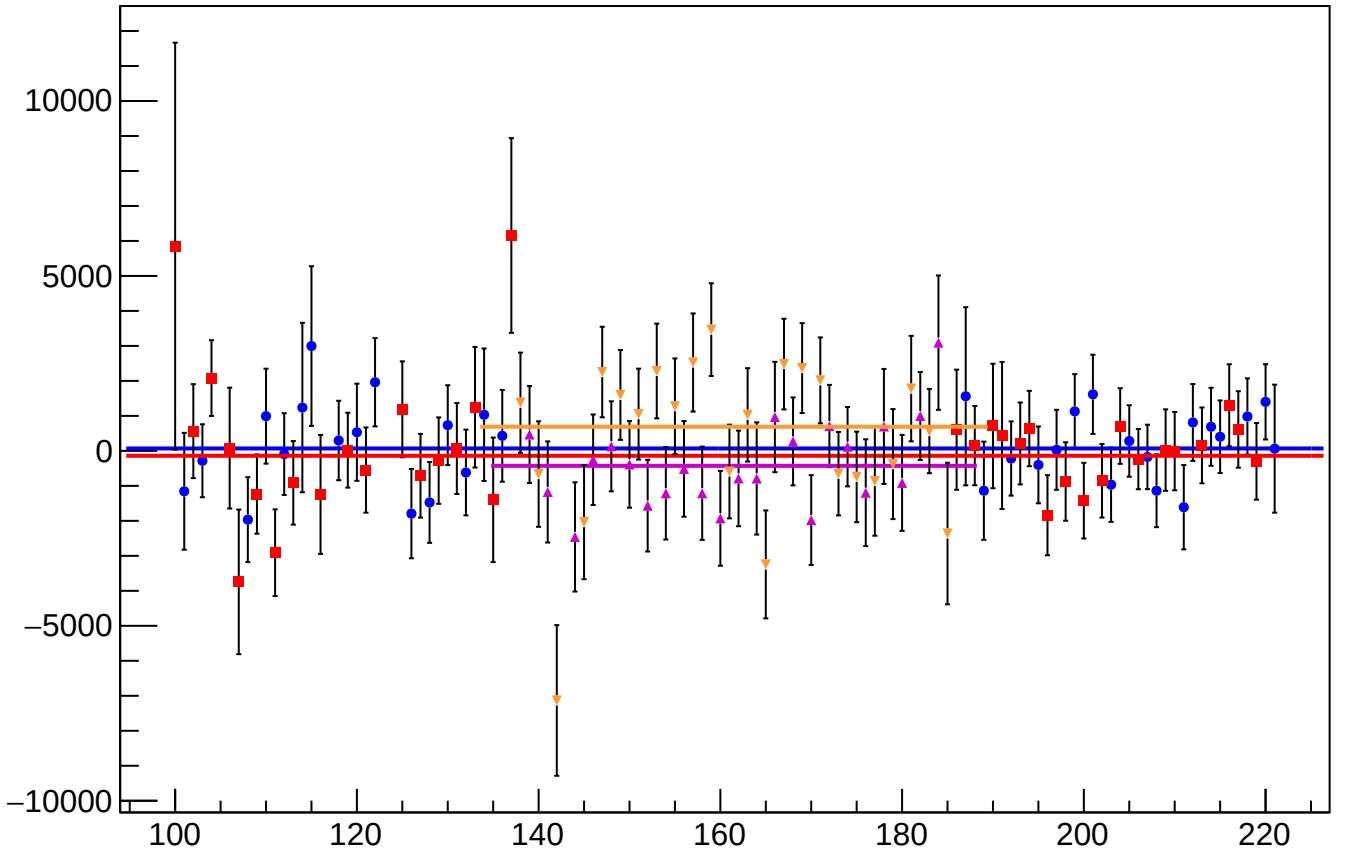
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2572.432+/-0.315 χ^2/NDF: 18850235.5/69

In: 2667.360+/-0.342 χ^2/NDF:18923880.3/56

Out: 3451.873+/-0.404 χ^2/NDF:5889498.7/59

All: 2994.718+/-0.261 χ^2/NDF: 27012590.9/1



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: -139.765+/-209.159 χ^2/NDF: 31.4/35

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

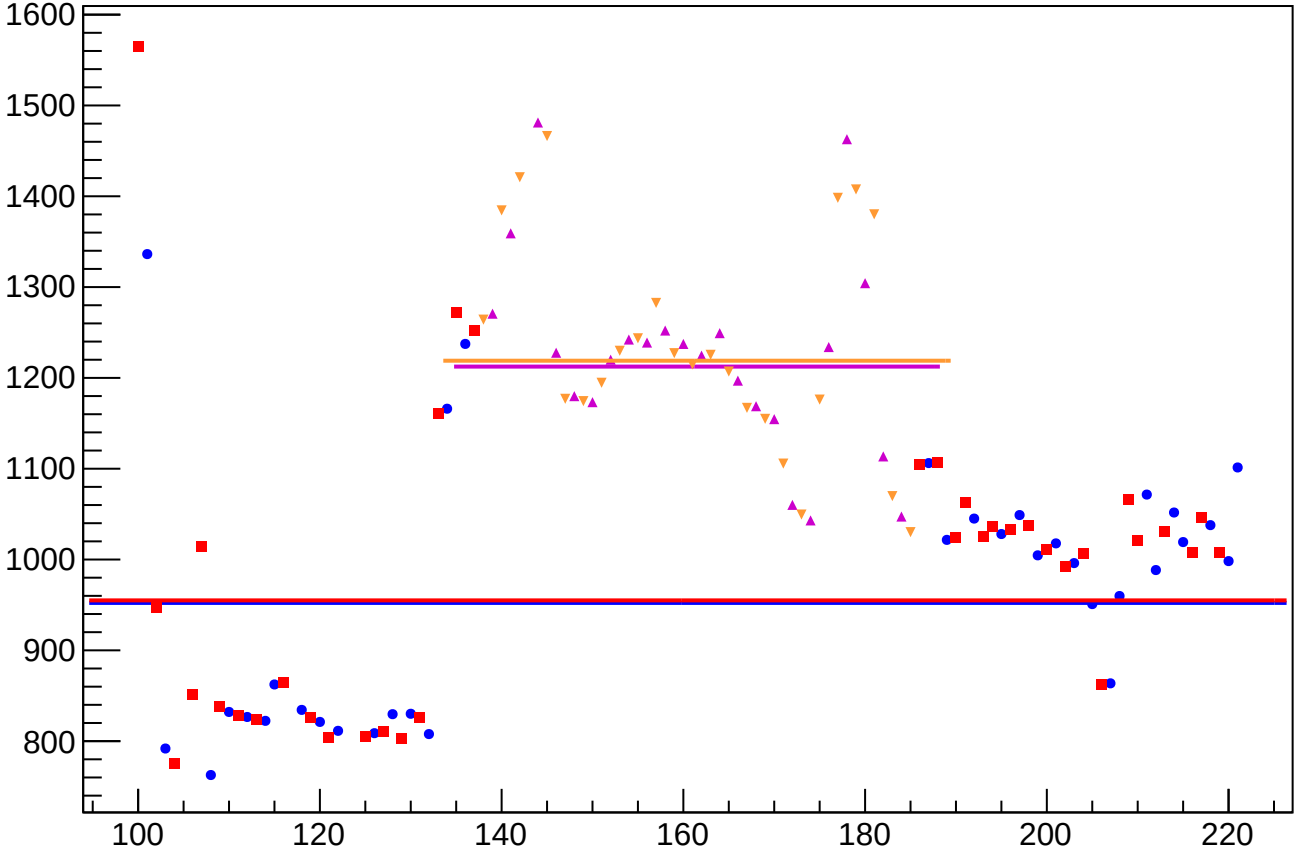
Right: -34.534+/-147.358 χ^2/NDF: 56.7/69

In: -103.726+/-167.697 χ^2/NDF:41.4/56

Out: 151.192+/-168.495 χ^2/NDF:82.7/59

All: 23.128+/-118.861 χ^2/NDF: 125.2/116

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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: 955.008+/-0.148 χ^2/NDF: 626378.4/35

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

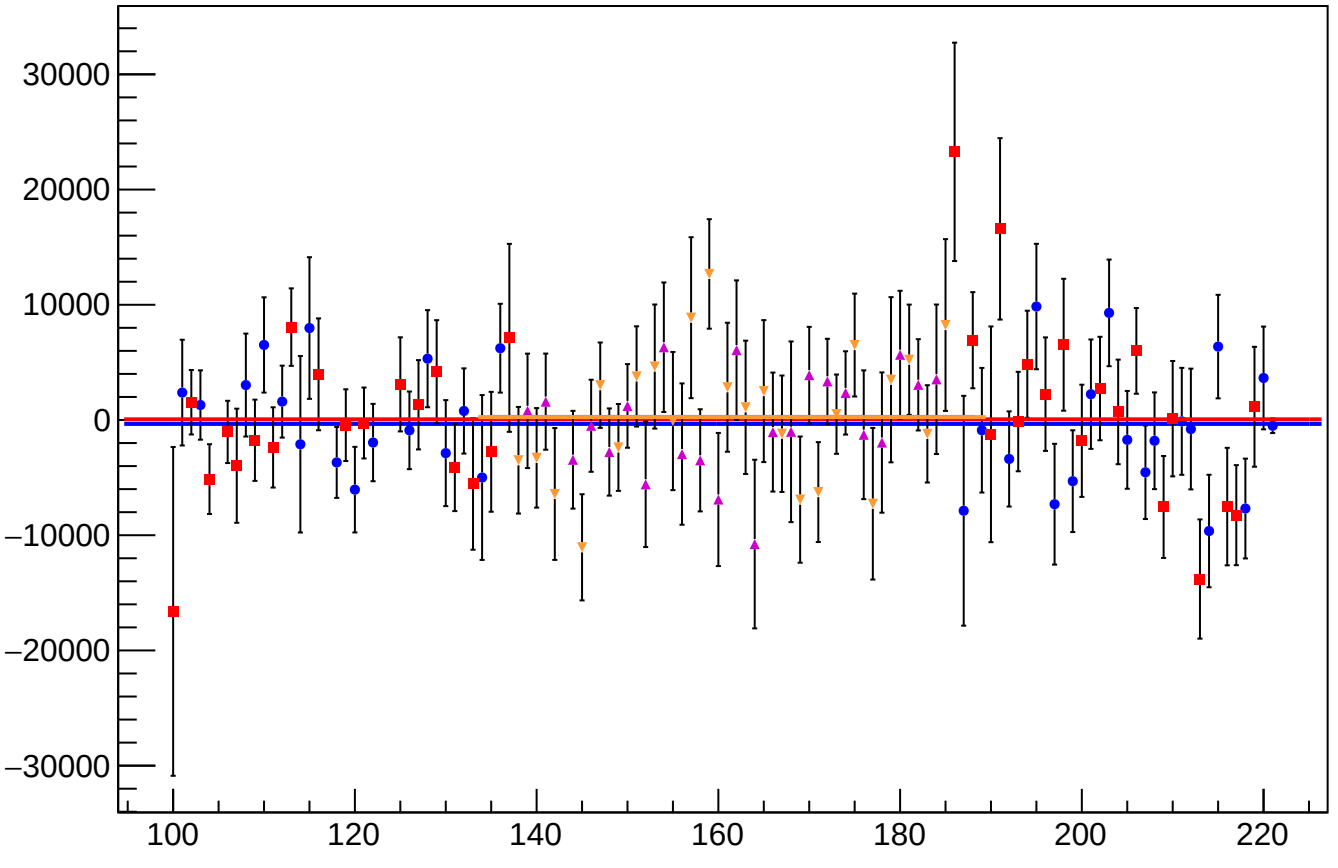
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 953.610+/-0.104 χ^2/NDF: 1319365.1/69

In: 1042.716+/-0.119 χ^2/NDF:2045371.7/56

Out: 1047.605+/-0.119 χ^2/NDF:2038387.6/59

All: 1045.150+/-0.084 χ^2/NDF: 4084605.5/11



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: 58.872+/-709.227 χ^2/NDF: 52.0/35

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

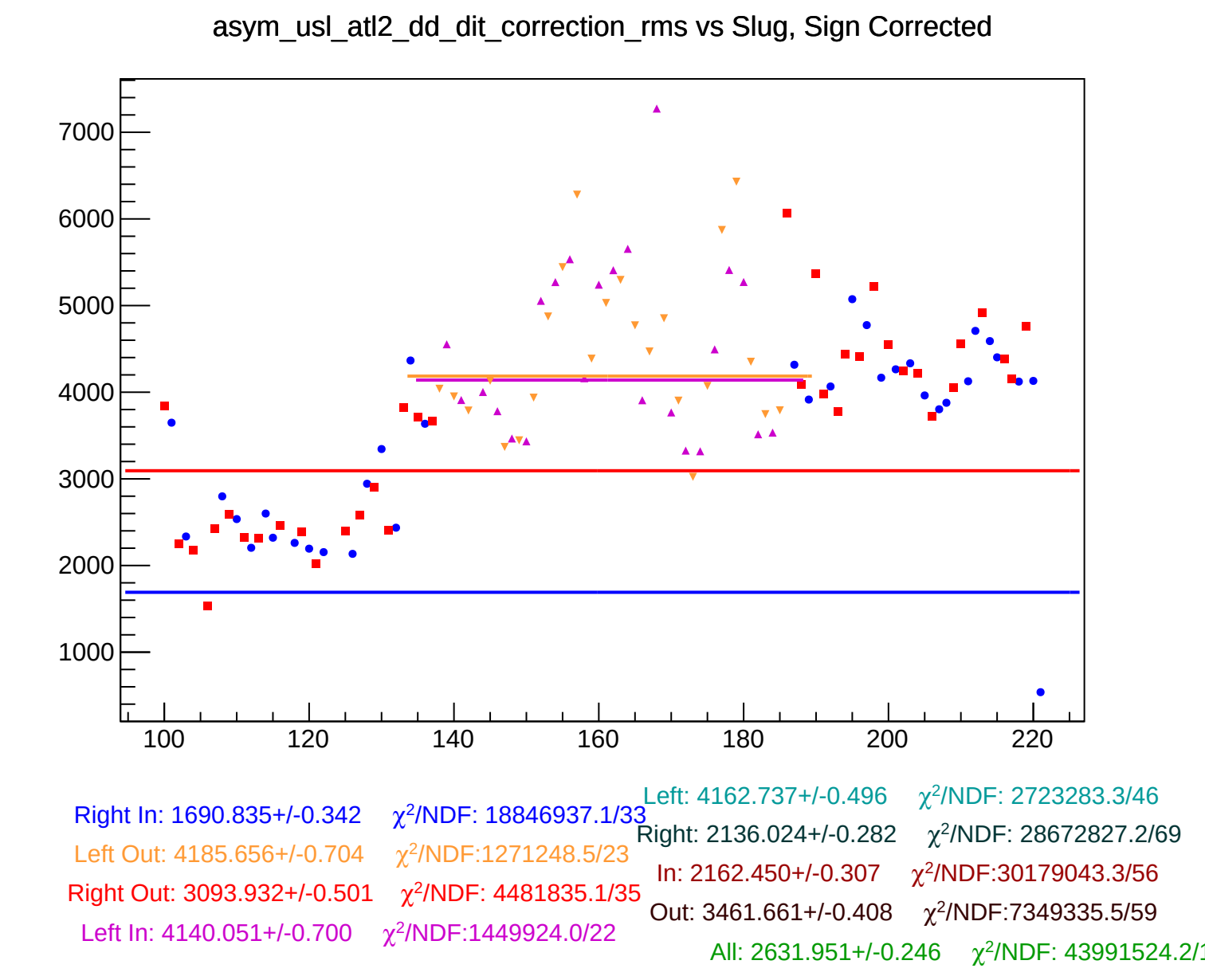
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

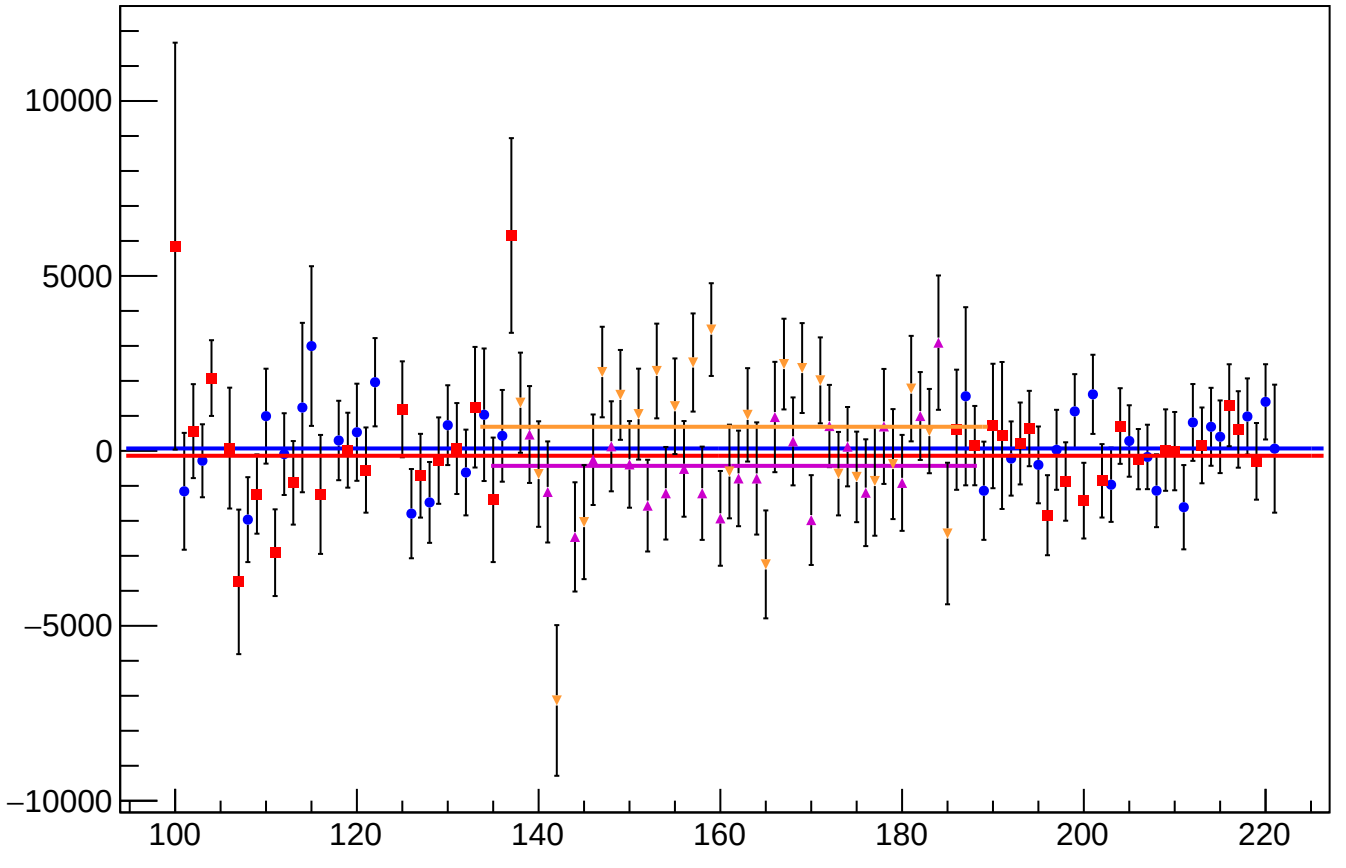
Right: -212.172+/-399.497 χ^2/NDF: 91.0/69

In: -221.763+/-434.462 χ^2/NDF:52.5/56

Out: 124.194+/-577.559 χ^2/NDF:81.8/59

All: -96.743+/-347.196 χ^2/NDF: 134.5/116


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: 3093.932+/-0.501 χ²/NDF: 4481835.1/35
Left In: 4140.051+/-0.700 χ²/NDF:1449924.0/22
Left: 4162.737+/-0.496 χ²/NDF: 2723283.3/46
Right: 2136.024+/-0.282 χ²/NDF: 28672827.2/69
In: 2162.450+/-0.307 χ²/NDF:30179043.3/56
Out: 3461.661+/-0.408 χ²/NDF:7349335.5/59
All: 2631.951+/-0.246 χ²/NDF: 43991524.2/



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: -139.764+/-209.159 χ^2/NDF: 31.4/35

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

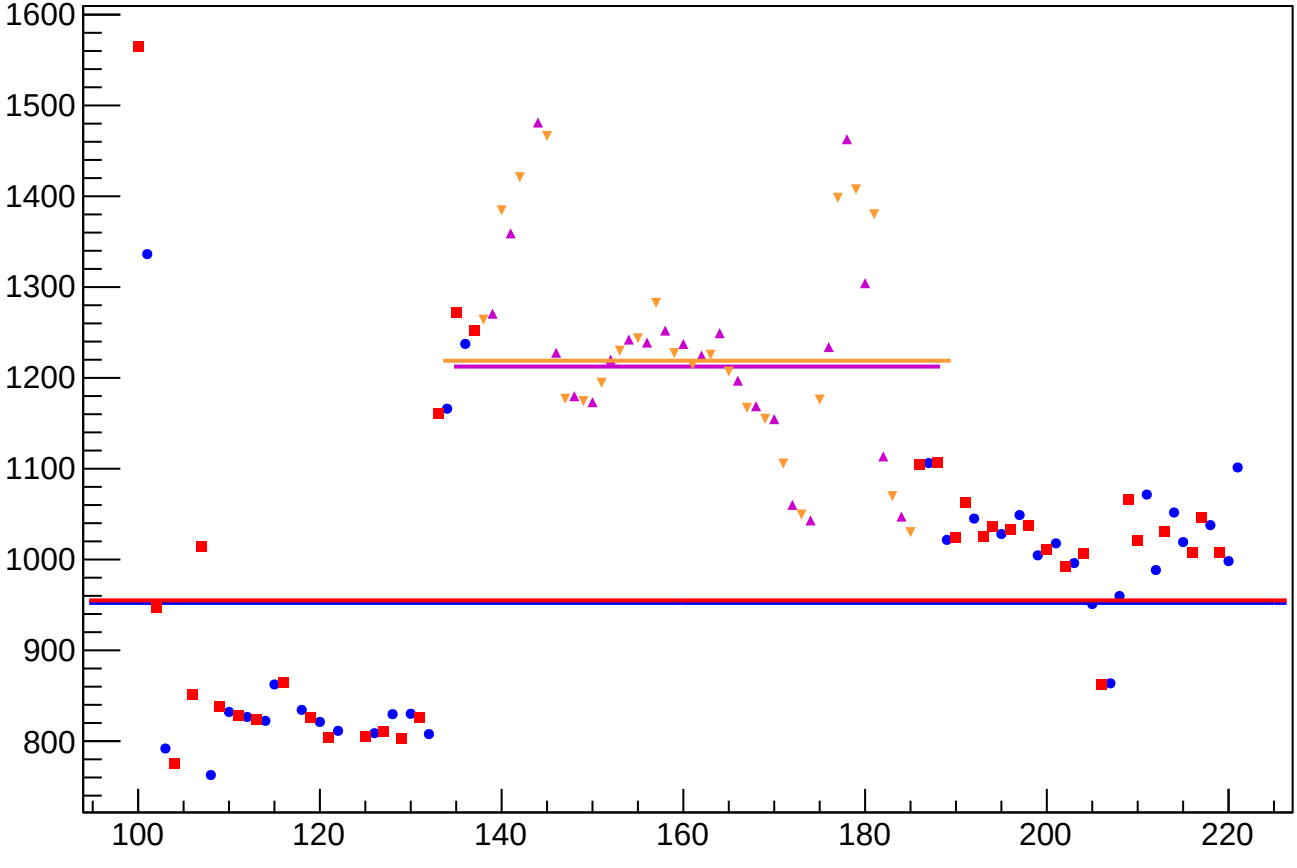
Right: -34.534+/-147.358 χ^2/NDF: 56.7/69

In: -103.726+/-167.697 χ^2/NDF:41.4/56

Out: 151.193+/-168.495 χ^2/NDF:82.7/59

All: 23.128+/-118.861 χ^2/NDF: 125.2/116

eigen_dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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: 955.008+/-0.148 χ^2/NDF: 626378.8/35

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

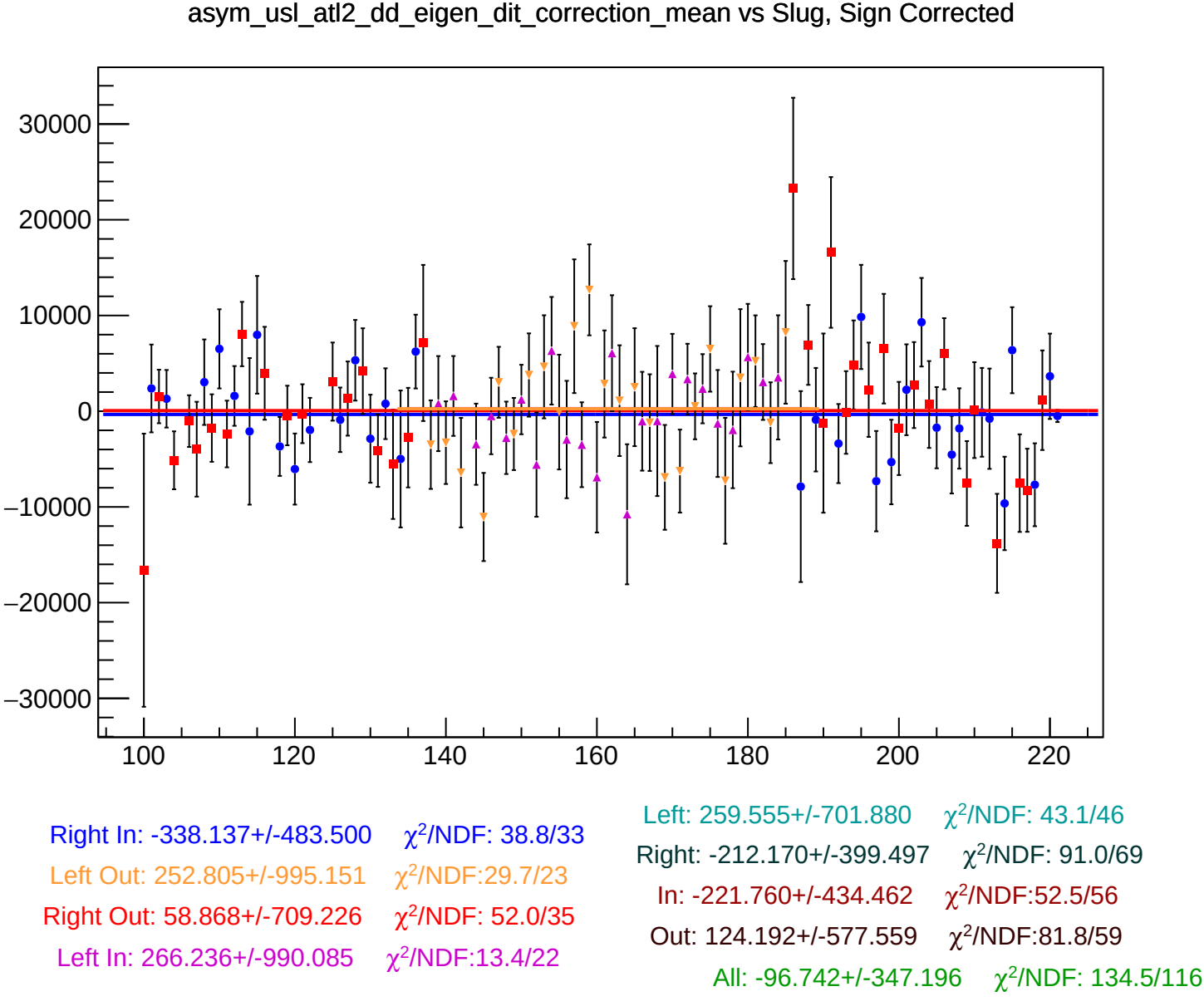
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 953.610+/-0.104 χ^2/NDF: 1319365.3/69

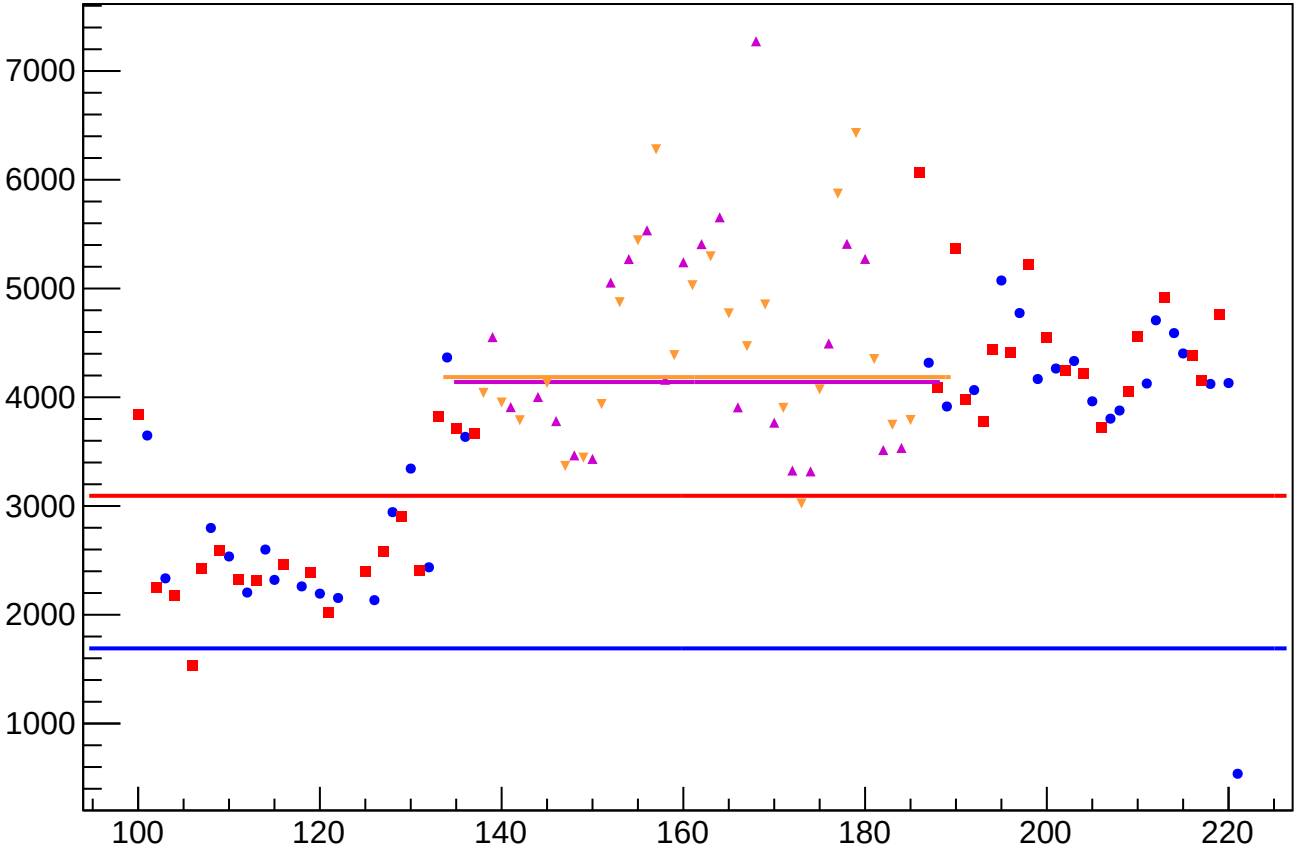
In: 1042.716+/-0.119 χ^2/NDF:2045387.8/56

Out: 1047.606+/-0.119 χ^2/NDF:2038405.9/59

All: 1045.150+/-0.084 χ^2/NDF: 4084640.0/11


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: -338.137+/-483.500 χ²/NDF: 38.8/33
Left Out: 252.805+/-995.151 χ²/NDF:29.7/23
Right Out: 58.868+/-709.226 χ²/NDF: 52.0/35
Left In: 266.236+/-990.085 χ²/NDF:13.4/22
Left: 259.555+/-701.880 χ²/NDF: 43.1/46
Right: -212.170+/-399.497 χ²/NDF: 91.0/69
In: -221.760+/-434.462 χ²/NDF:52.5/56
Out: 124.192+/-577.559 χ²/NDF:81.8/59
All: -96.742+/-347.196 χ²/NDF: 134.5/116

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1690.839+/-0.342 χ^2/NDF: 18846899.0/33

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 3093.926+/-0.501 χ^2/NDF: 4481885.5/35

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

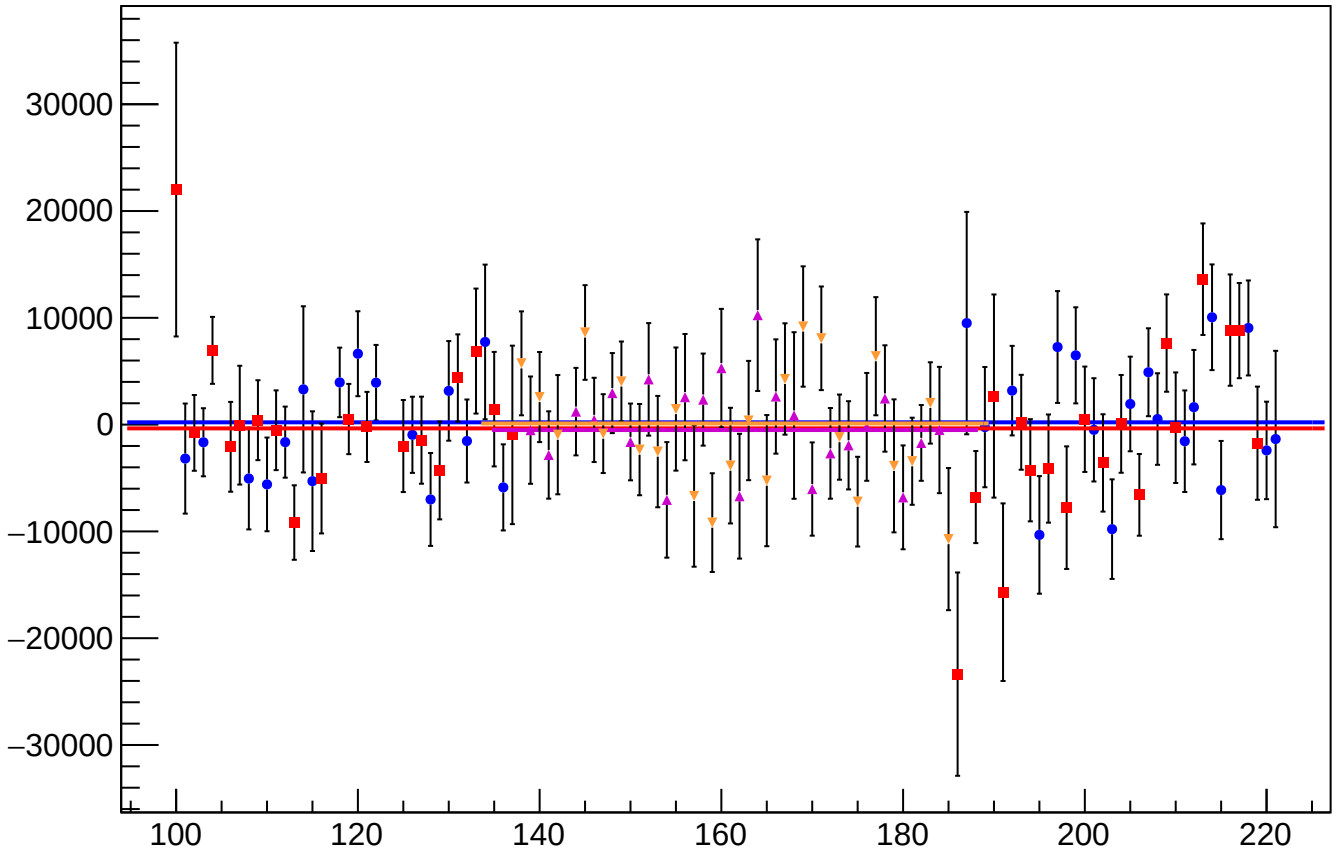
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2136.027+/-0.282 χ^2/NDF: 28672770.7/69

In: 2162.454+/-0.307 χ^2/NDF:30178999.9/56

Out: 3461.659+/-0.408 χ^2/NDF:7349421.8/59

All: 2631.954+/-0.246 χ^2/NDF: 43991493.6/1



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: -353.362+/-760.760 χ^2/NDF: 54.9/35

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

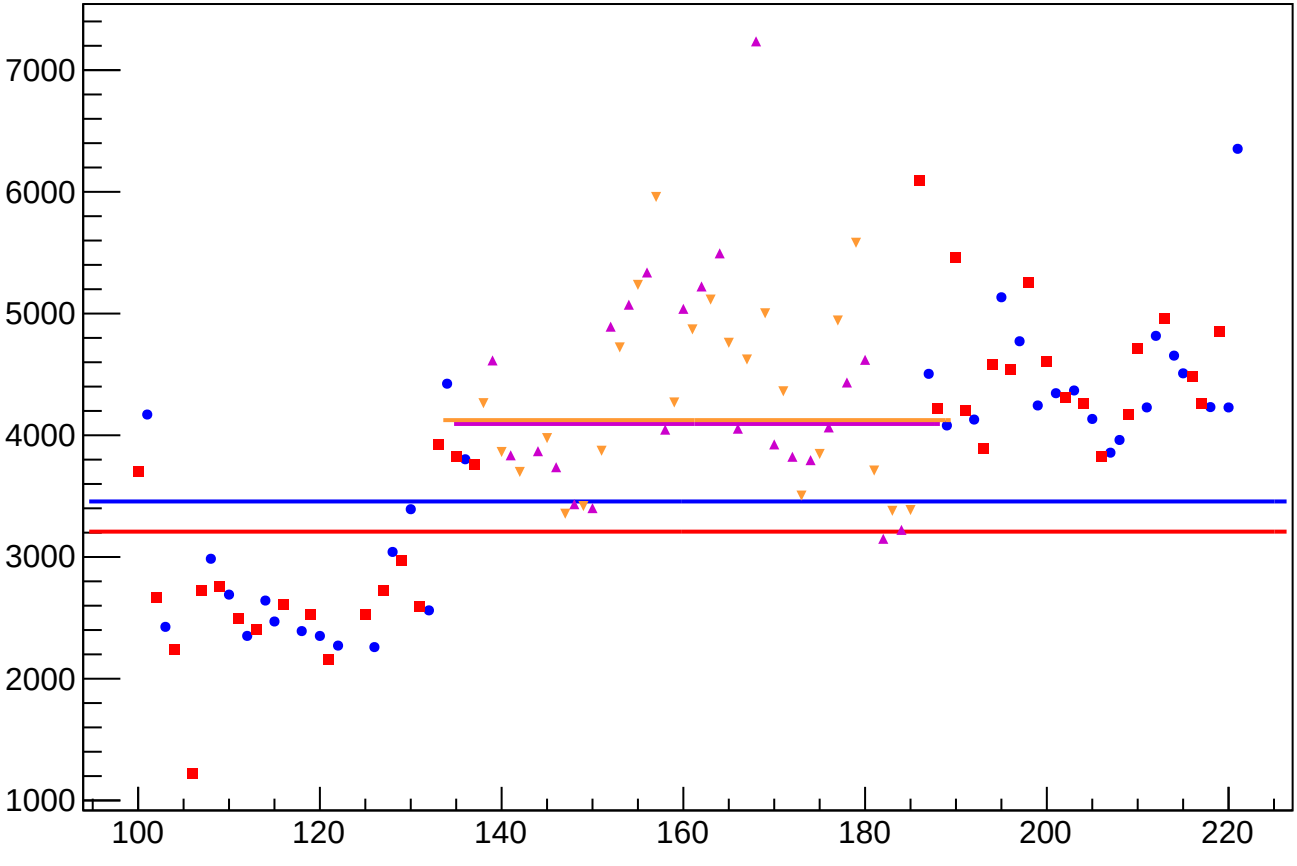
Right: -74.102+/-542.178 χ^2/NDF: 97.1/69

In: -65.220+/-605.478 χ^2/NDF:55.8/56

Out: -178.539+/-599.923 χ^2/NDF:83.0/59

All: -122.402+/-426.160 χ^2/NDF: 138.9/116

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: 3208.384+/-0.523 χ^2/NDF: 4594785.4/35

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

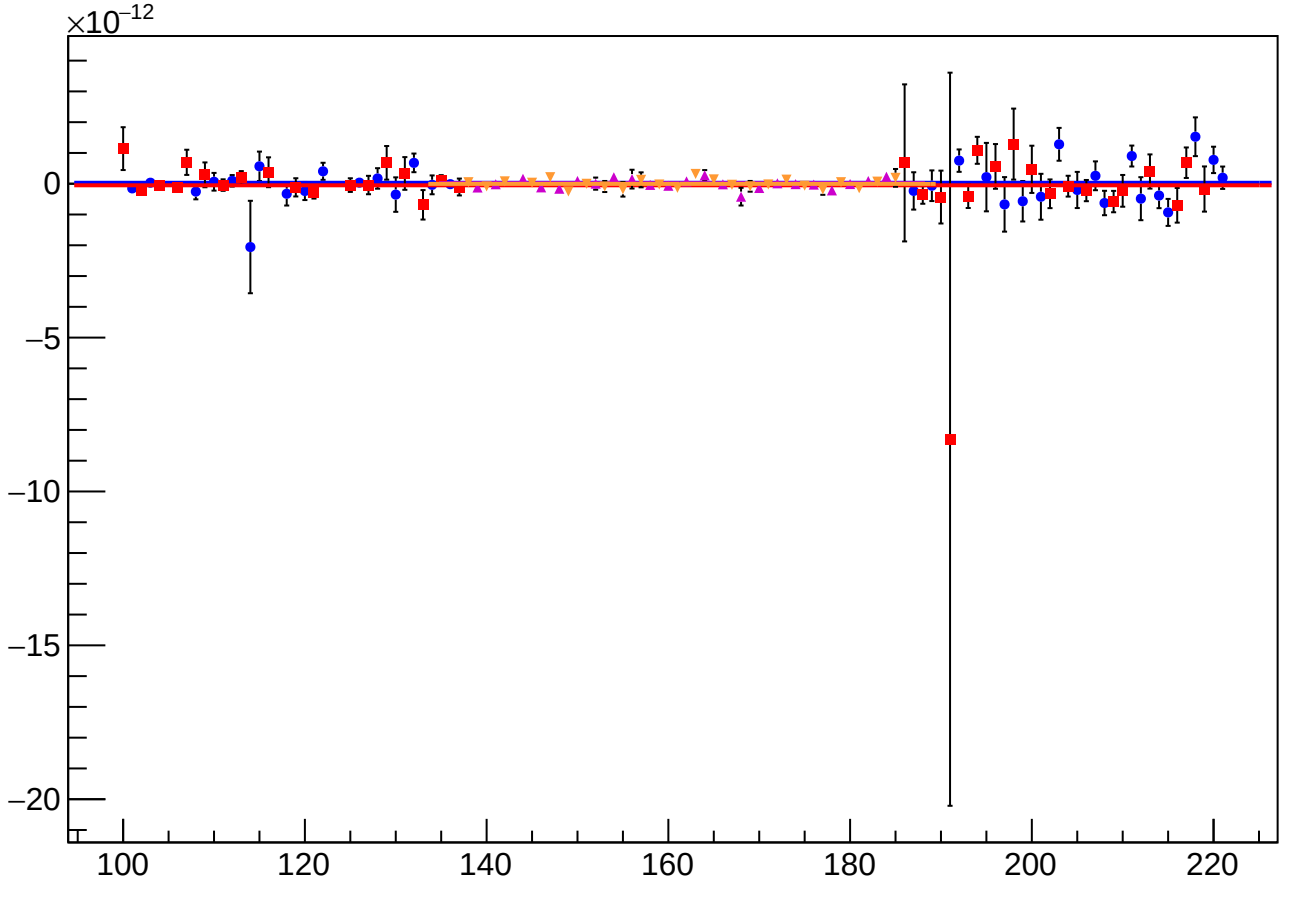
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3326.883+/-0.378 χ^2/NDF: 7785796.5/69

In: 3702.284+/-0.428 χ^2/NDF:4770851.3/56

Out: 3542.708+/-0.417 χ^2/NDF:6684634.2/59

All: 3620.344+/-0.299 χ^2/NDF: 11526818.7/1



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: 36.3/35

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

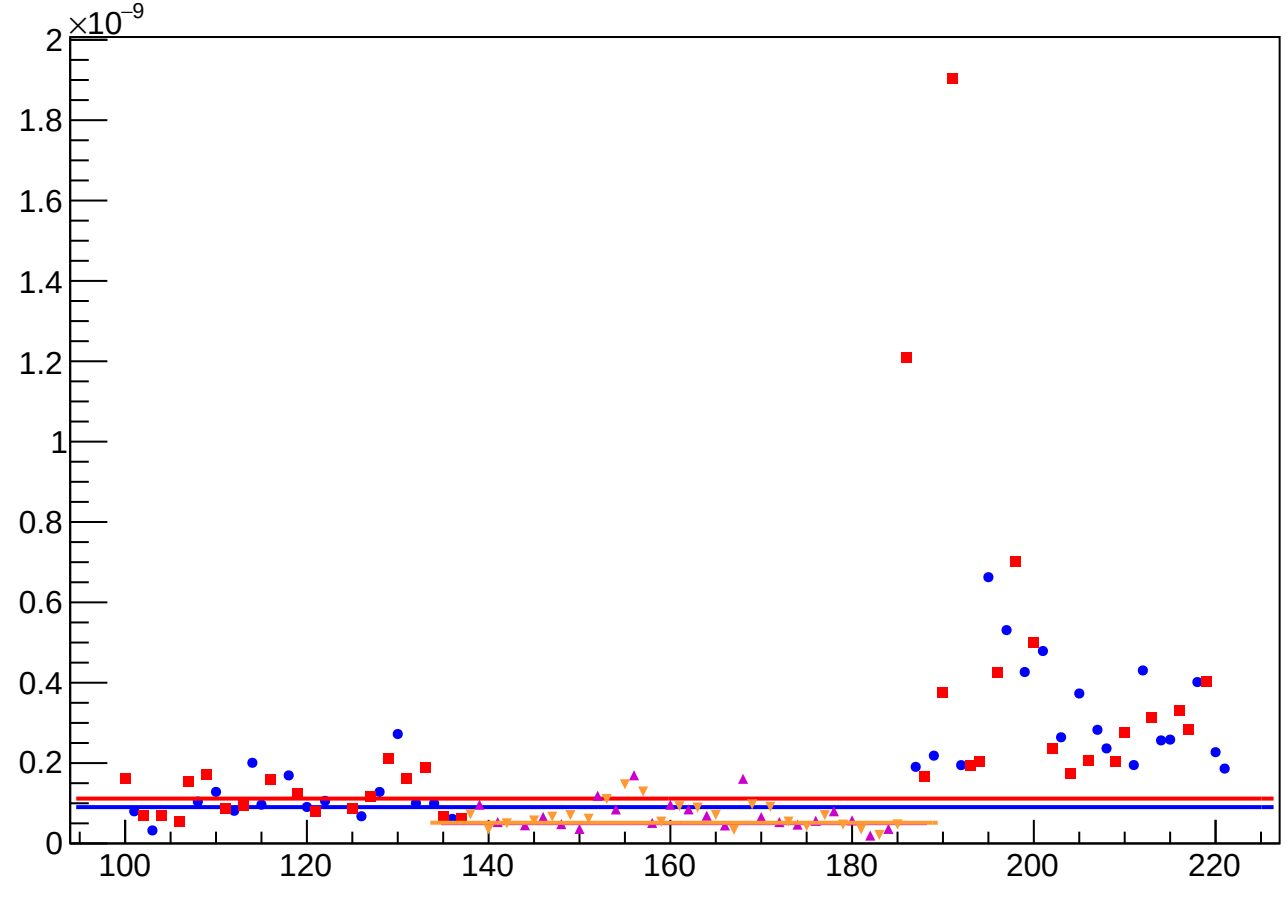
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 89.9/69

In: 0.000+/-0.000 χ^2/NDF:77.7/56

Out: -0.000+/-0.000 χ^2/NDF:61.2/59

All: 0.000+/-0.000 χ^2/NDF: 140.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 7723496.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5354099.1/35

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

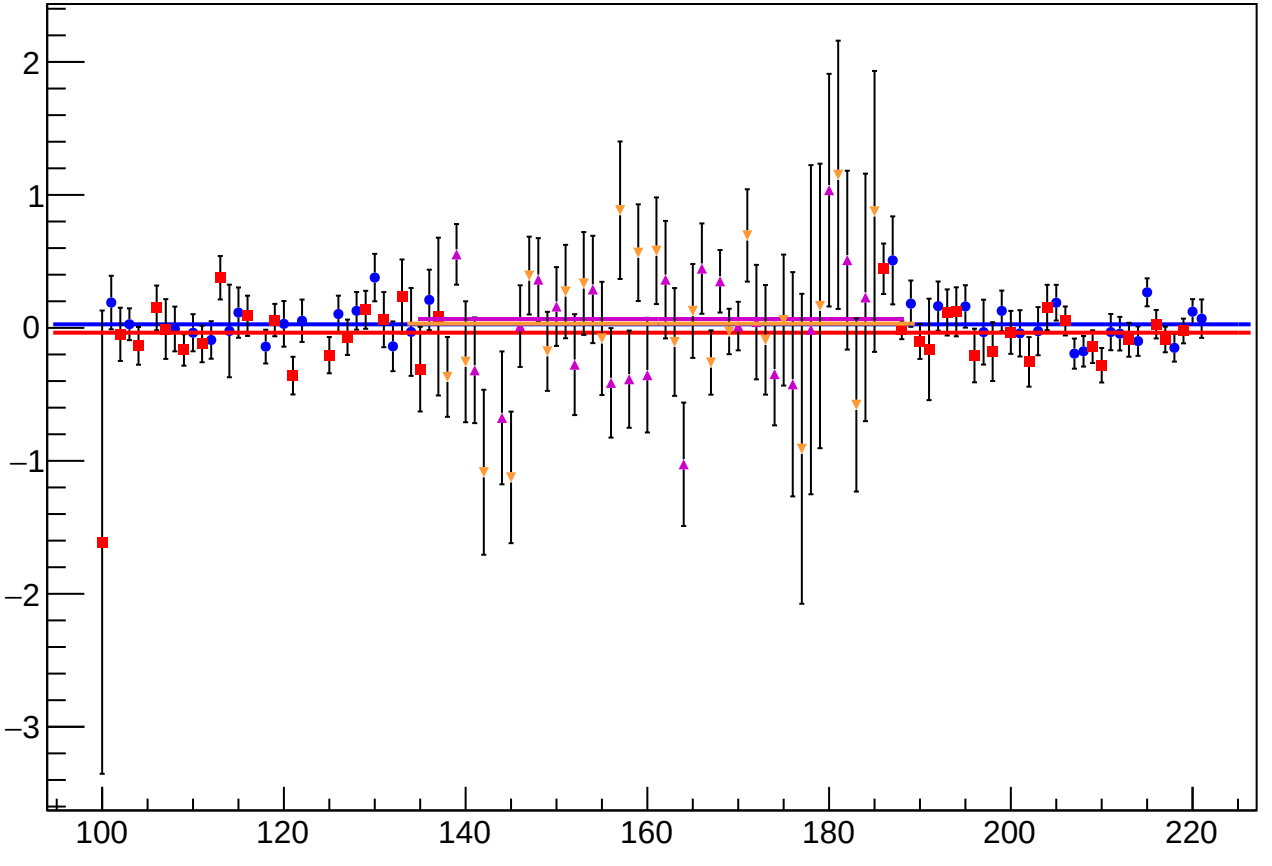
Right: 0.000+/-0.000 χ^2/NDF: 13301718.8/69

In: 0.000+/-0.000 χ^2/NDF:11617571.5/56

Out: 0.000+/-0.000 χ^2/NDF:10171755.8/59

All: 0.000+/-0.000 χ^2/NDF: 21807911.9/116

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: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

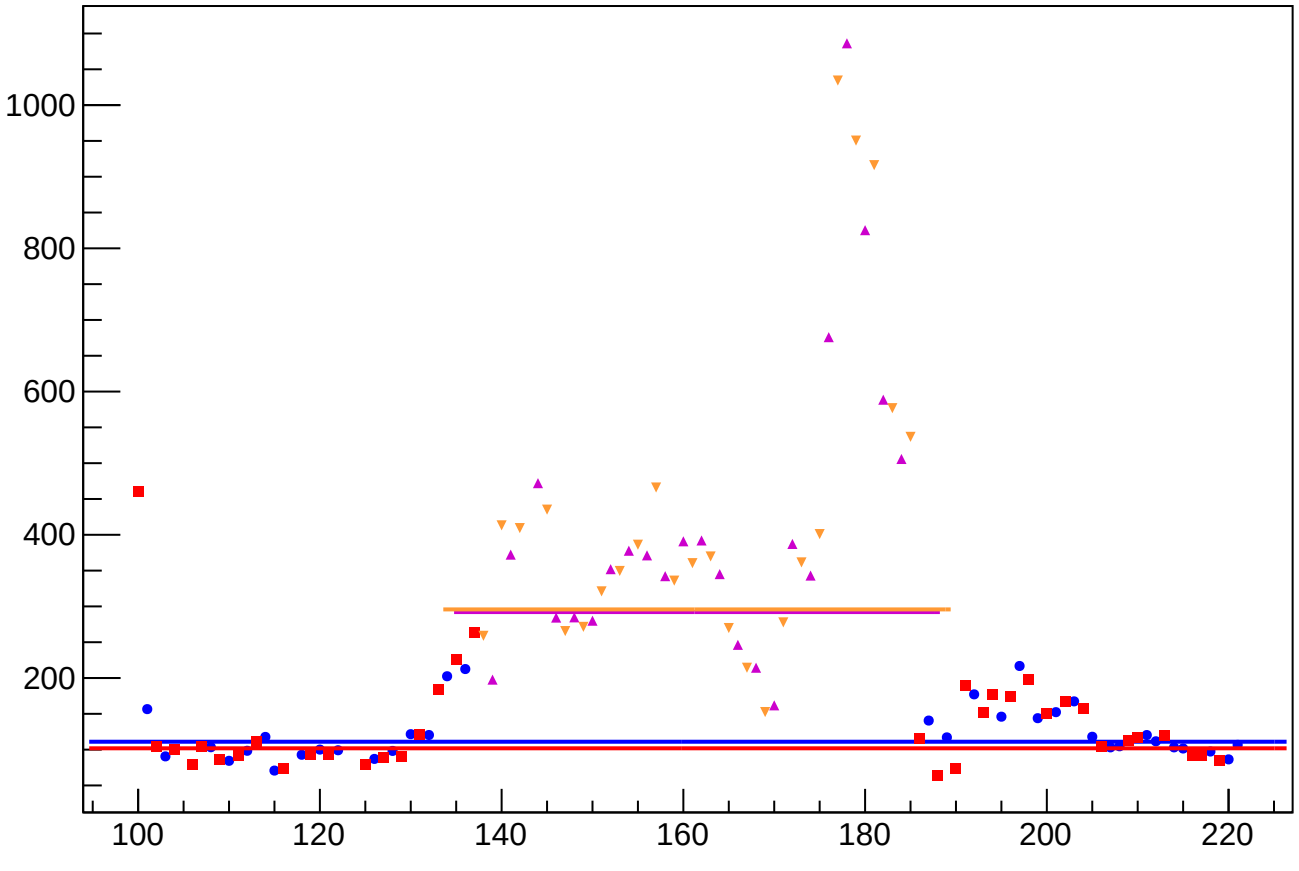
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.006+/-0.017 χ^2/NDF: 77.3/69

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.001+/-0.016 χ^2/NDF: 133.8/116



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: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

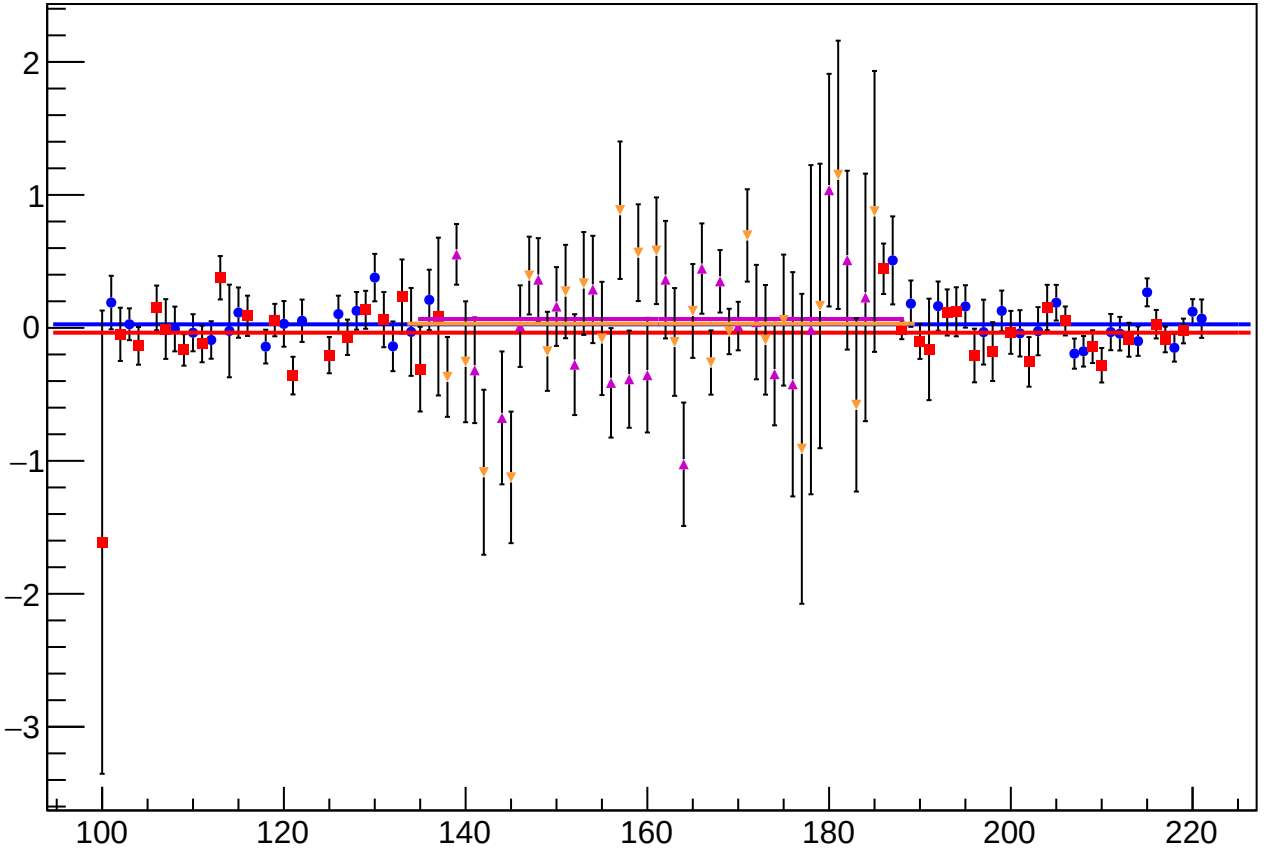
Right: 106.205+/-0.012 χ^2/NDF: 6324765.7/69

In: 129.486+/-0.017 χ^2/NDF:18025150.6/56

Out: 119.297+/-0.016 χ^2/NDF:21115072.1/59

All: 124.162+/-0.012 χ^2/NDF: 39330932.6/11

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: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

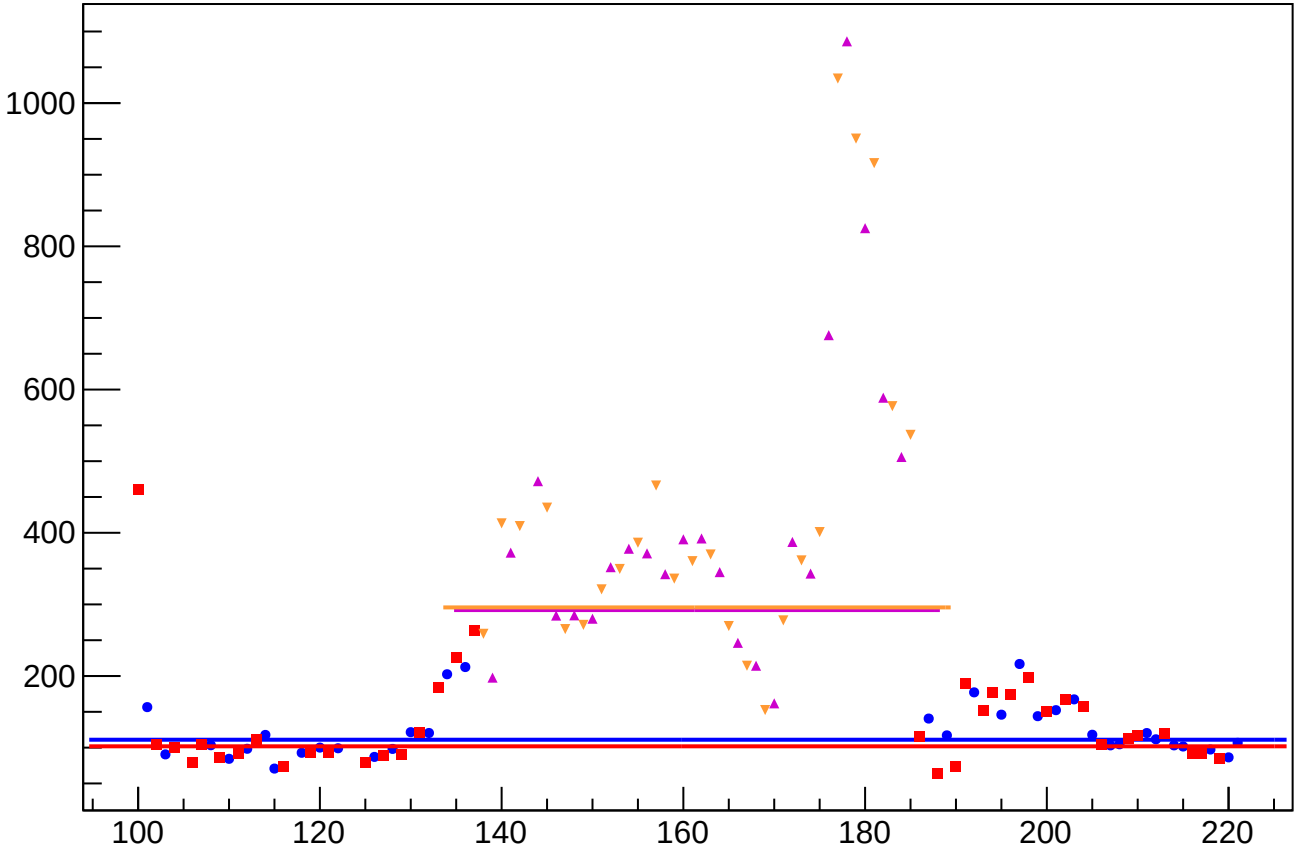
Right: -0.006+/-0.017 χ^2/NDF: 77.3/69

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.001+/-0.016 χ^2/NDF: 133.8/116

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: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

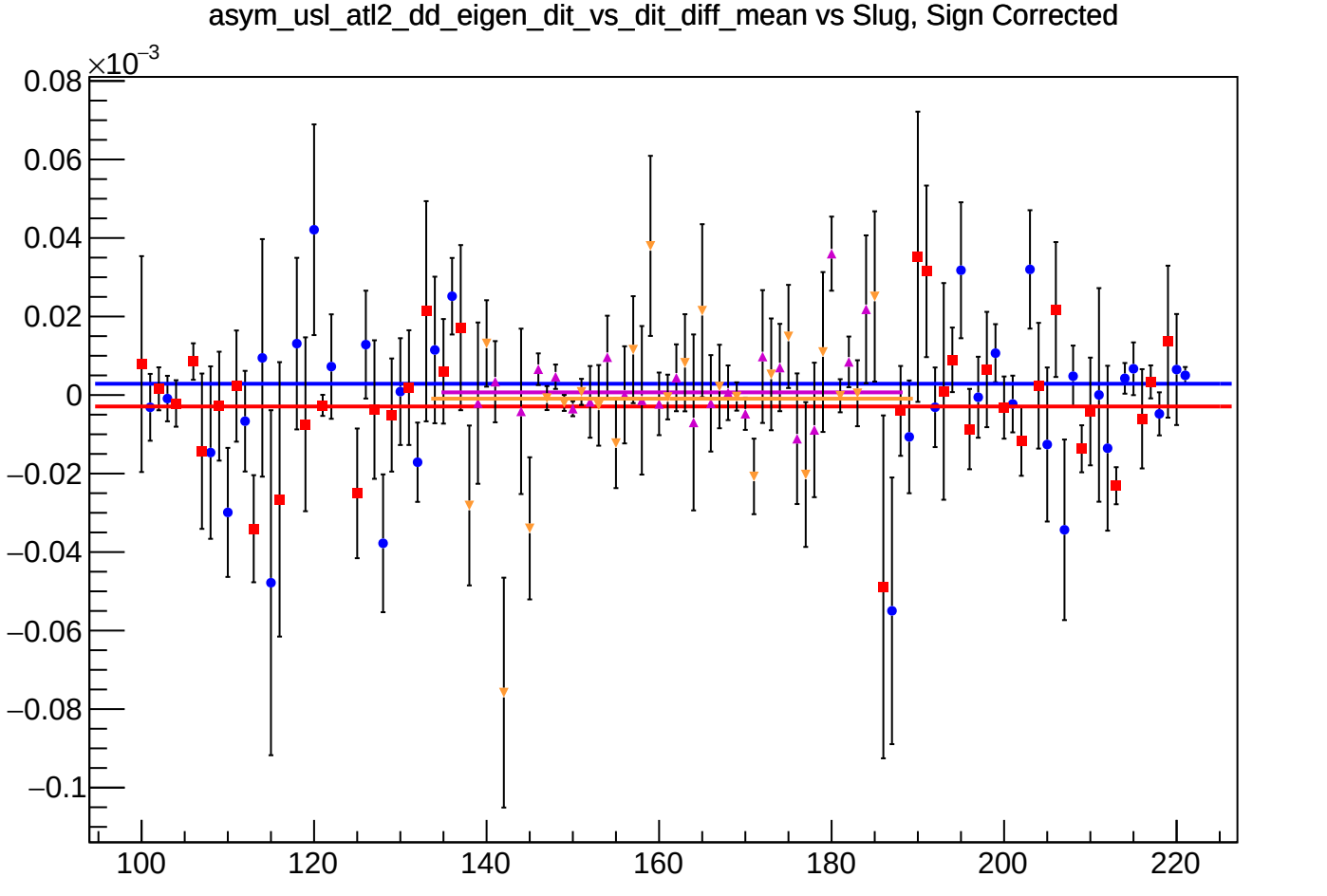
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 106.205+/-0.012 χ^2/NDF: 6324765.7/69

In: 129.486+/-0.017 χ^2/NDF:18025150.6/56

Out: 119.297+/-0.016 χ^2/NDF:21115072.1/59

All: 124.162+/-0.012 χ^2/NDF: 39330932.6/11



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: 52.4/35

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

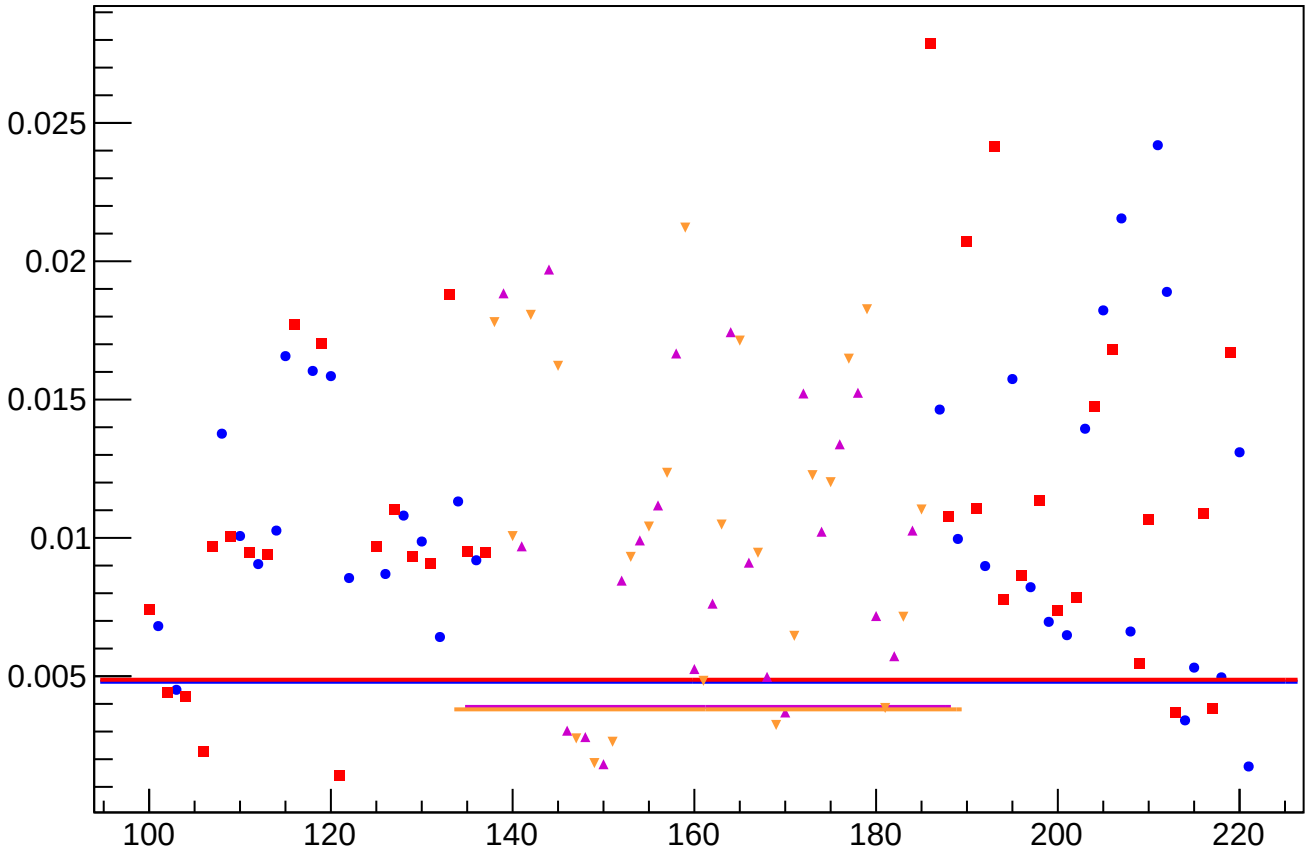
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: 0.000+/-0.000 χ^2/NDF: 106.3/69

In: 0.000+/-0.000 χ^2/NDF:76.2/56

Out: -0.000+/-0.000 χ^2/NDF:82.6/59

All: -0.000+/-0.000 χ^2/NDF: 166.0/116



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: 0.005+/-0.000 χ^2/NDF: 14801751.2/35

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

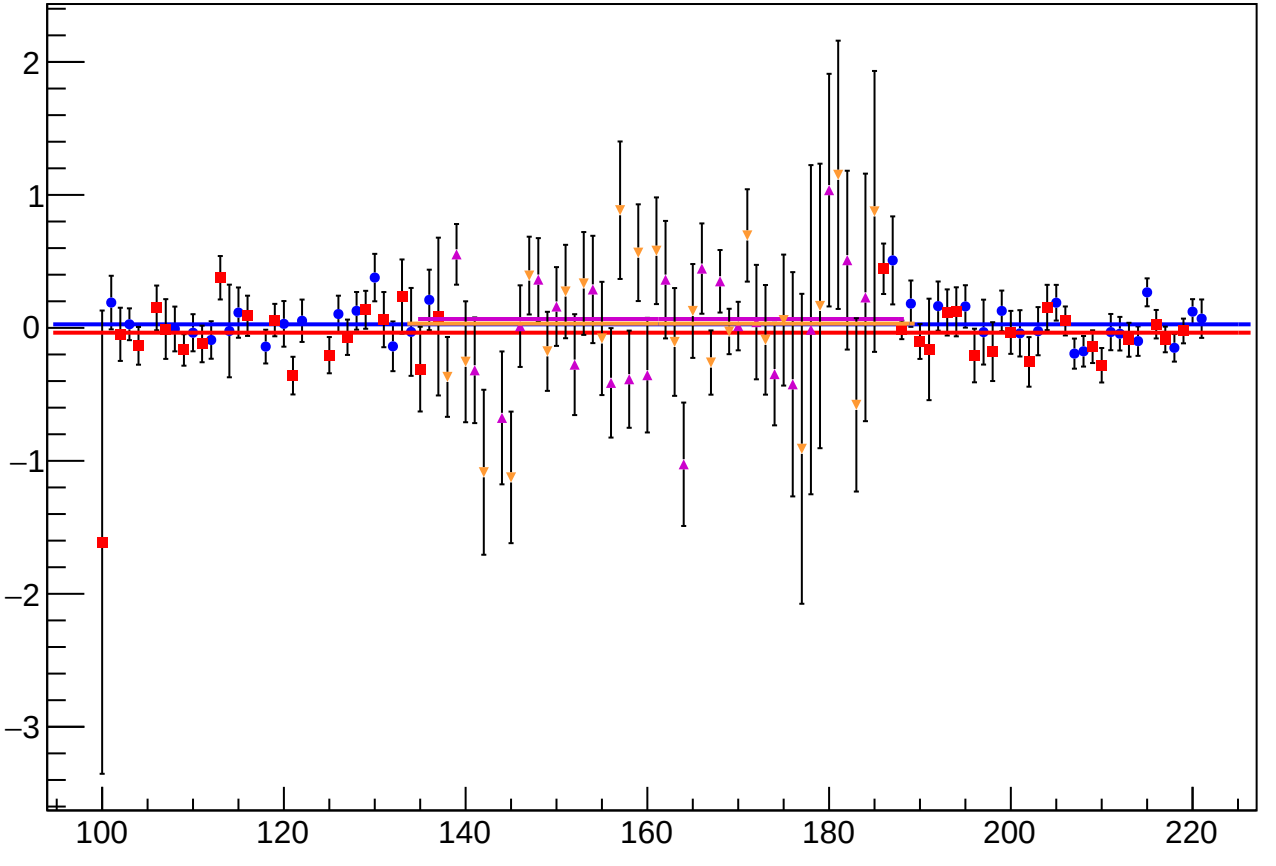
Right: 0.005+/-0.000 χ^2/NDF: 30232923.2/69

In: 0.004+/-0.000 χ^2/NDF:29444693.9/56

Out: 0.004+/-0.000 χ^2/NDF:30108776.7/59

All: 0.004+/-0.000 χ^2/NDF: 59556338.8/116

asym_usl_atl2_dd_eigen_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: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

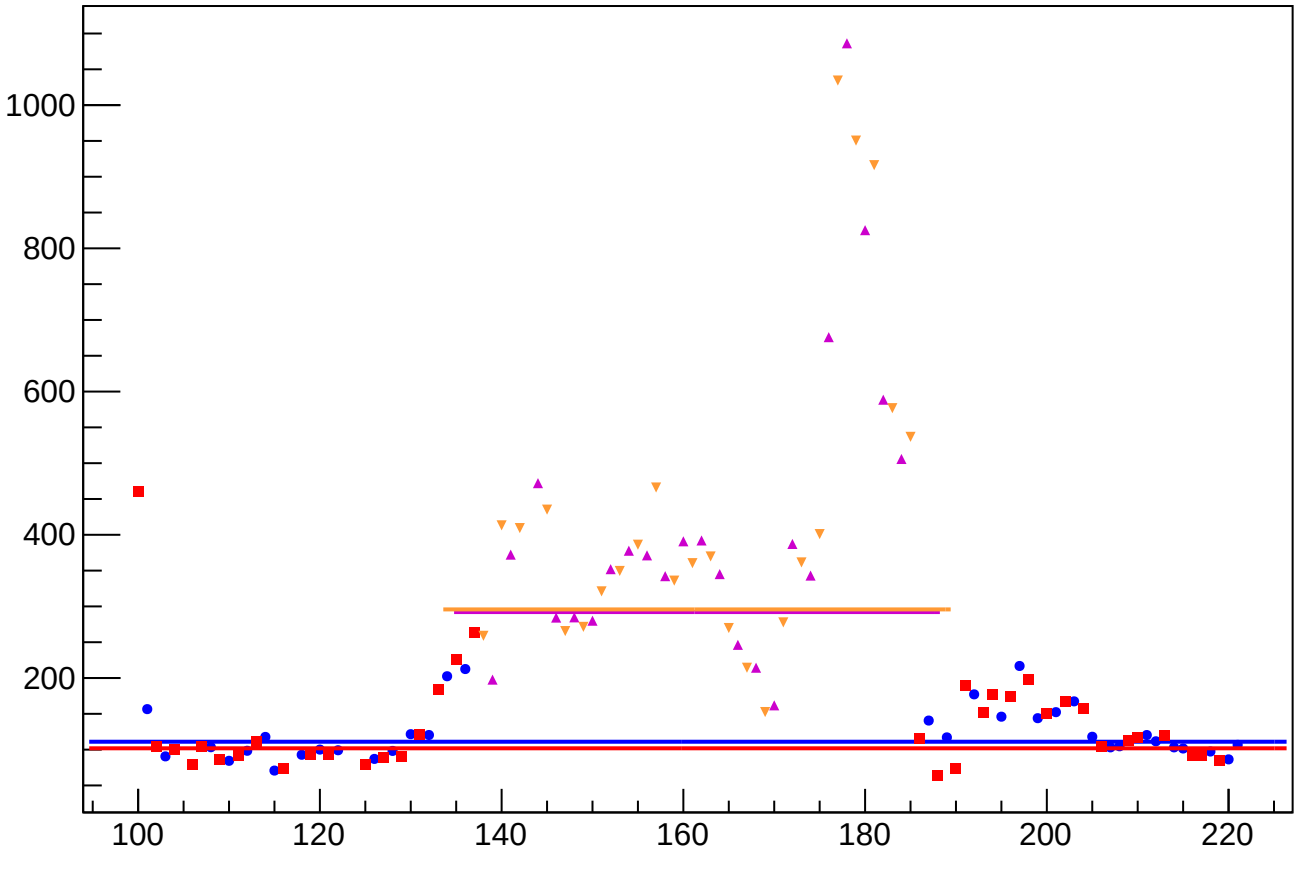
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.006+/-0.017 χ^2/NDF: 77.3/69

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.001+/-0.016 χ^2/NDF: 133.8/116



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: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

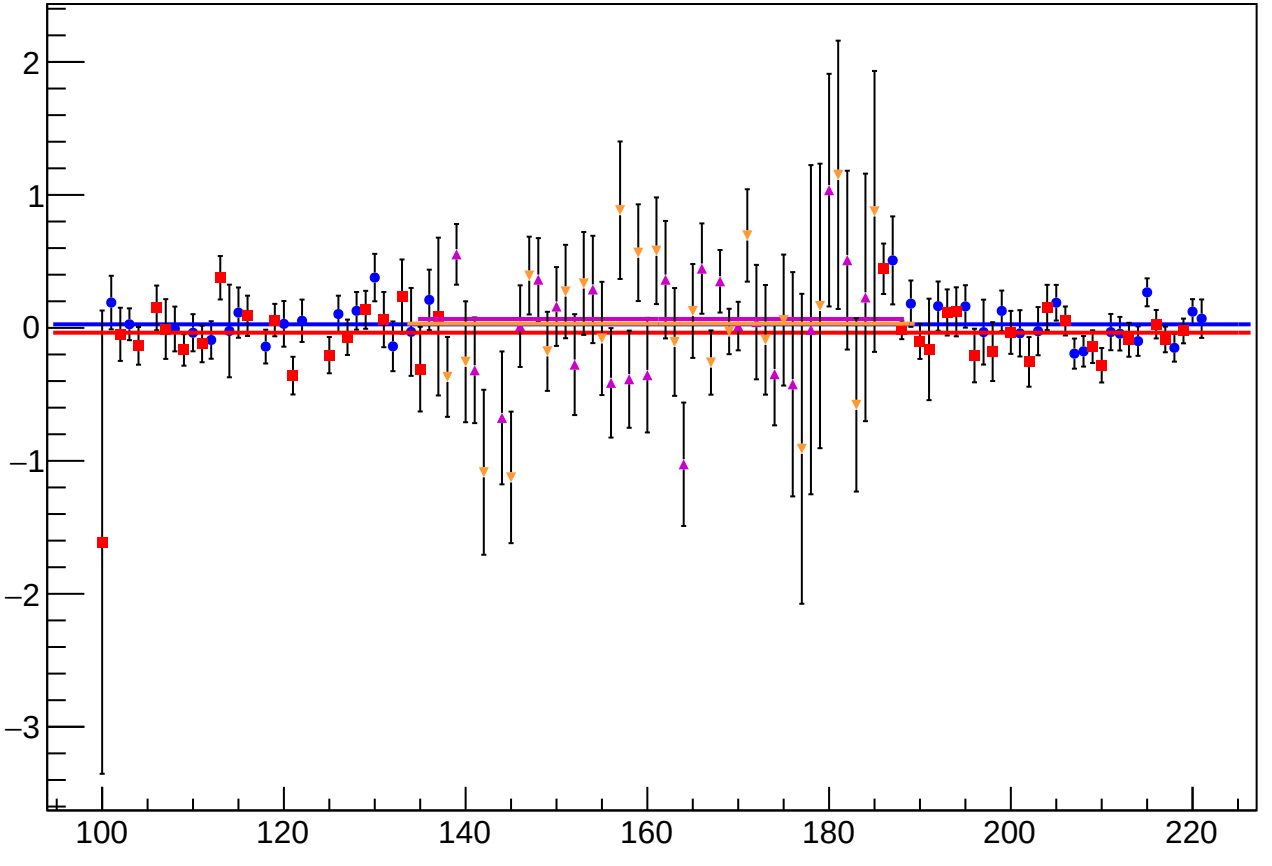
Right: 106.205+/-0.012 χ^2/NDF: 6324864.0/69

In: 129.487+/-0.017 χ^2/NDF:18025156.4/56

Out: 119.297+/-0.016 χ^2/NDF:21115400.7/59

All: 124.162+/-0.012 χ^2/NDF: 39331320.2/11

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: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

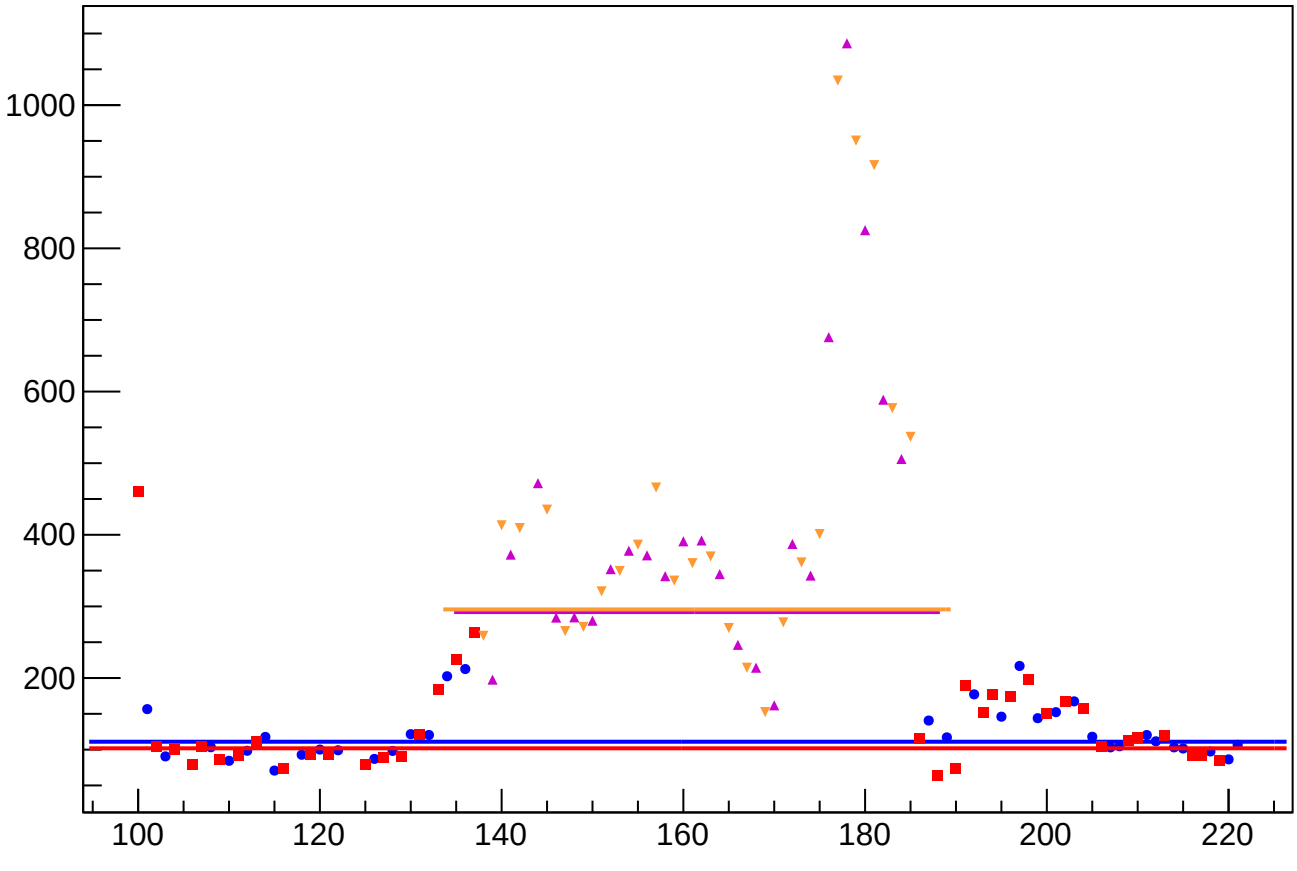
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.006+/-0.017 χ^2/NDF: 77.3/69

In: 0.031+/-0.024 χ^2/NDF:60.0/56

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.001+/-0.016 χ^2/NDF: 133.8/116



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: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

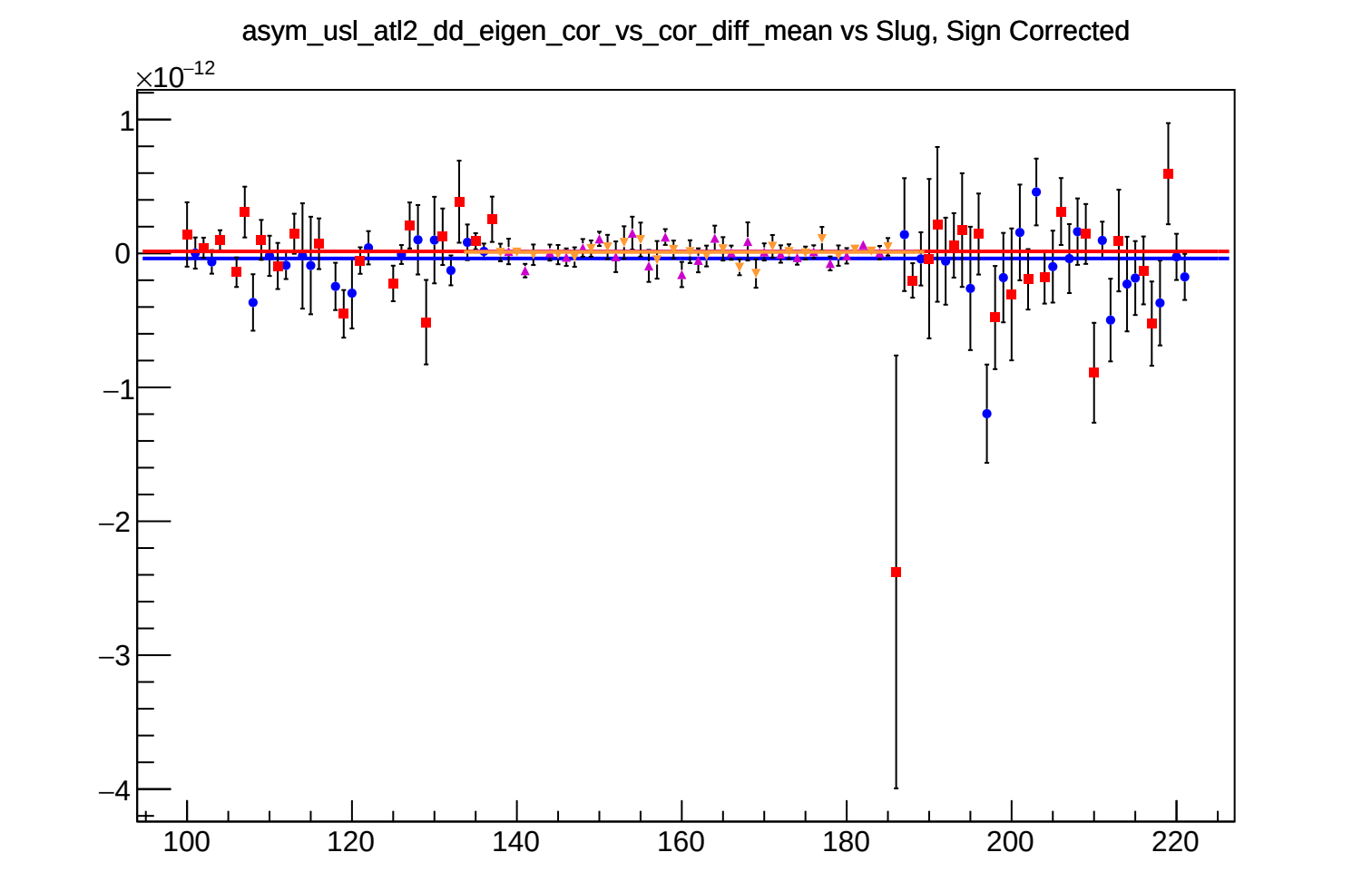
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 106.205+/-0.012 χ^2/NDF: 6324864.0/69

In: 129.487+/-0.017 χ^2/NDF:18025156.4/56

Out: 119.297+/-0.016 χ^2/NDF:21115400.7/59

All: 124.162+/-0.012 χ^2/NDF: 39331320.2/11



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: 50.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

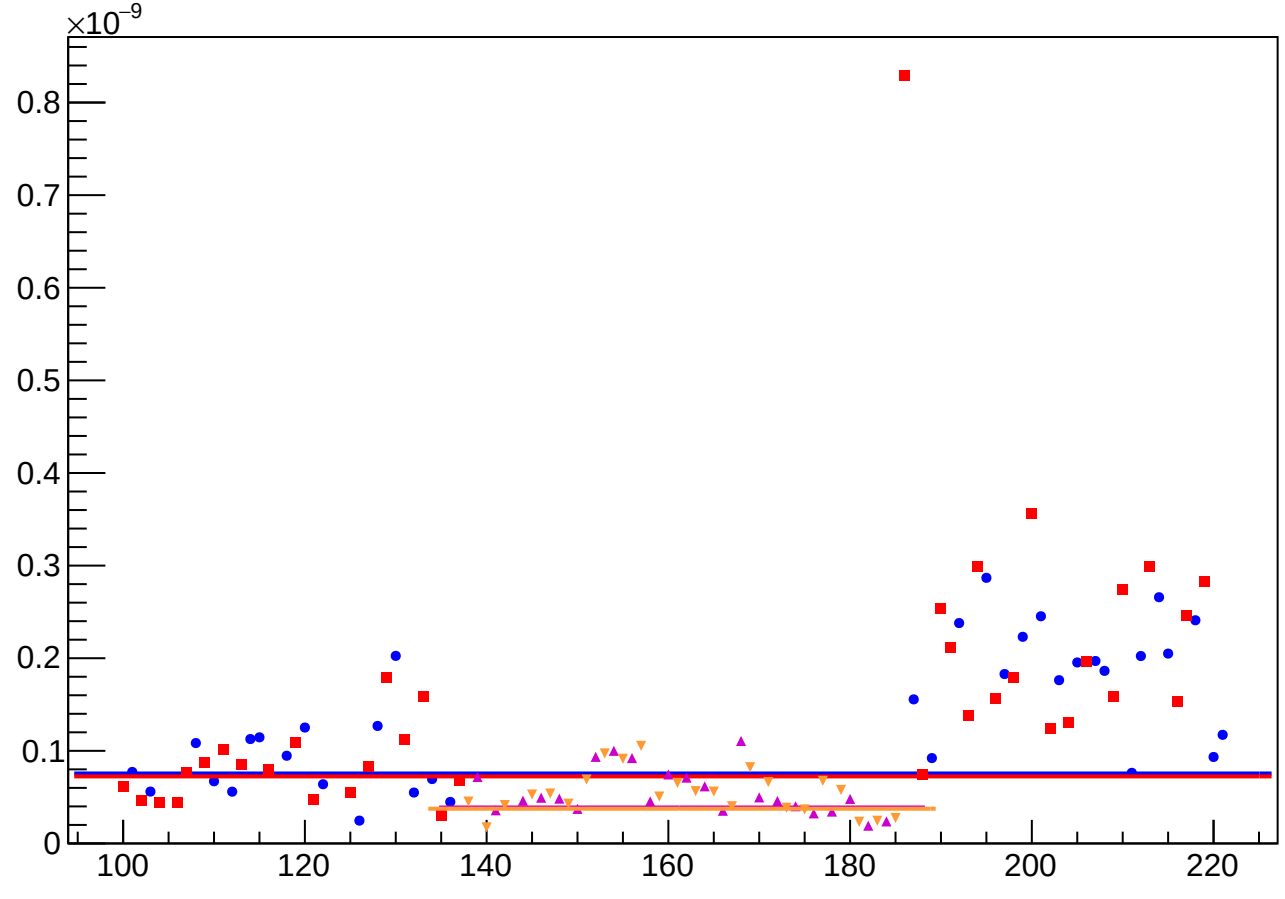
Right: -0.000+/-0.000 χ^2/NDF: 82.0/69

In: 0.000+/-0.000 χ^2/NDF:63.8/56

Out: 0.000+/-0.000 χ^2/NDF:61.0/59

All: 0.000+/-0.000 χ^2/NDF: 124.9/116

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: 8687100.7/35

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

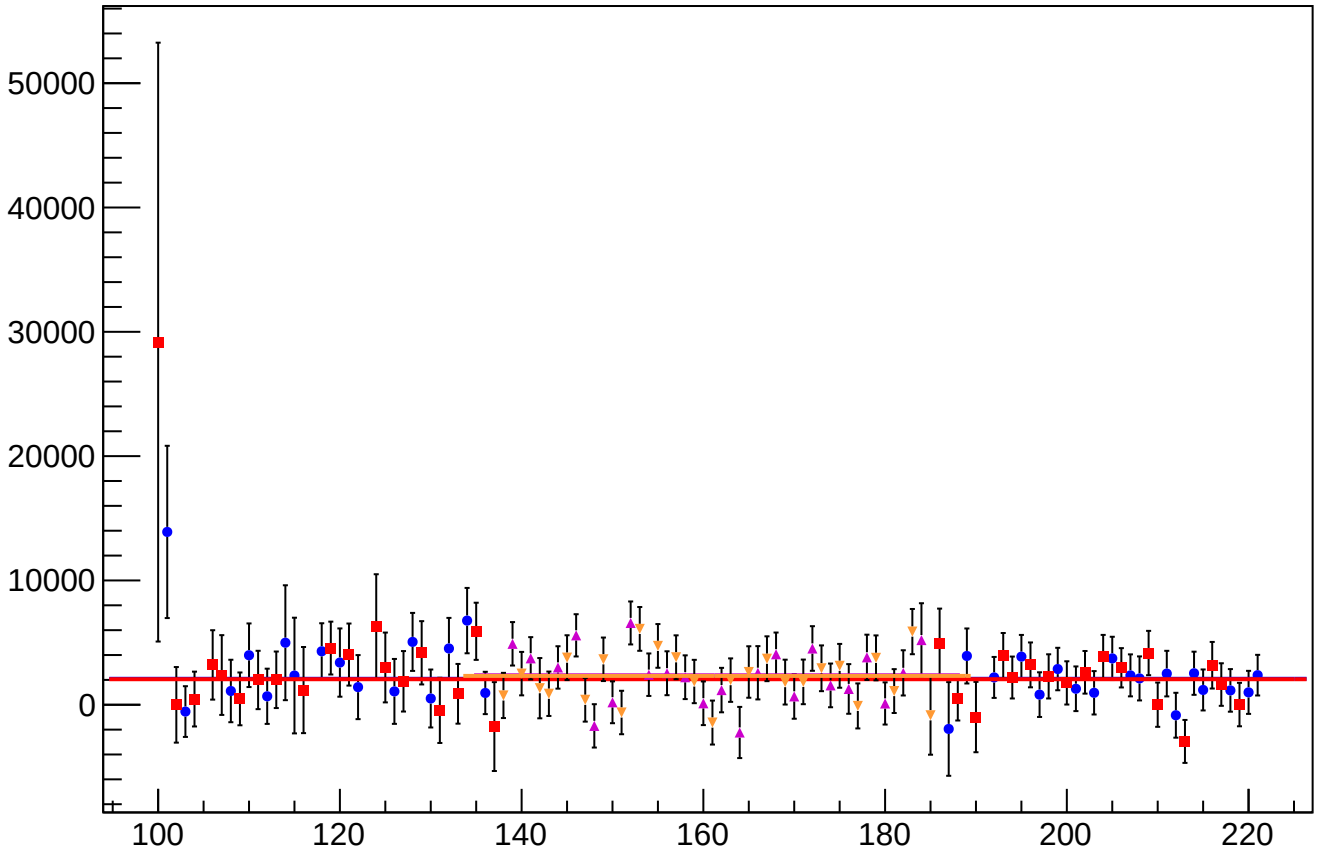
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 16758261.3/69

In: 0.000+/-0.000 χ^2/NDF:15830998.1/56

Out: 0.000+/-0.000 χ^2/NDF:16592548.4/59

All: 0.000+/-0.000 χ^2/NDF: 32448742.8/116



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: 2054.749+/-356.687 χ^2/NDF: 30.9/35

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

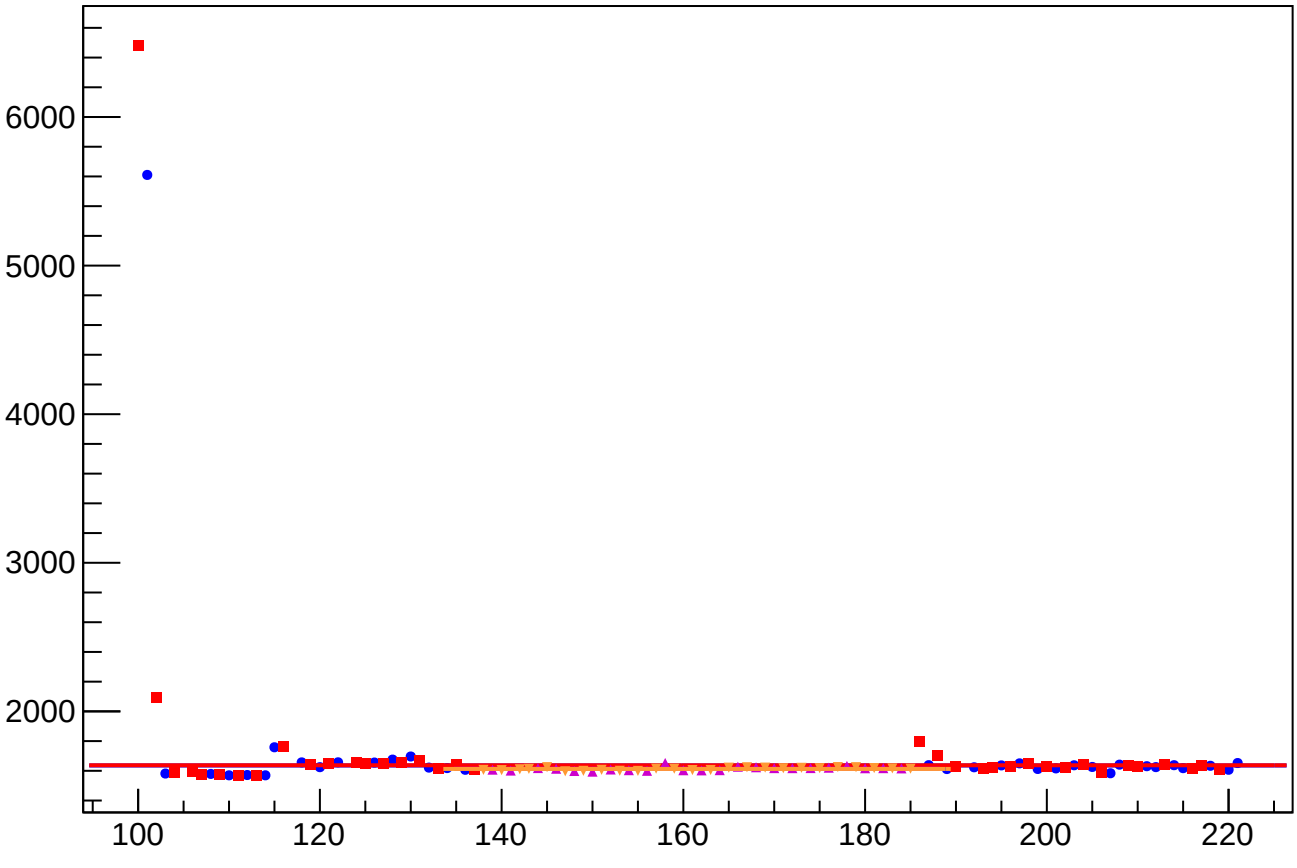
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2071.866+/-250.059 χ^2/NDF: 54.0/69

In: 2219.393+/-256.699 χ^2/NDF:57.1/56

Out: 2184.367+/-255.547 χ^2/NDF:58.7/60

All: 2201.801+/-181.105 χ^2/NDF: 115.8/117



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: 1637.288+/-0.252 χ^2/NDF: 149745.2/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

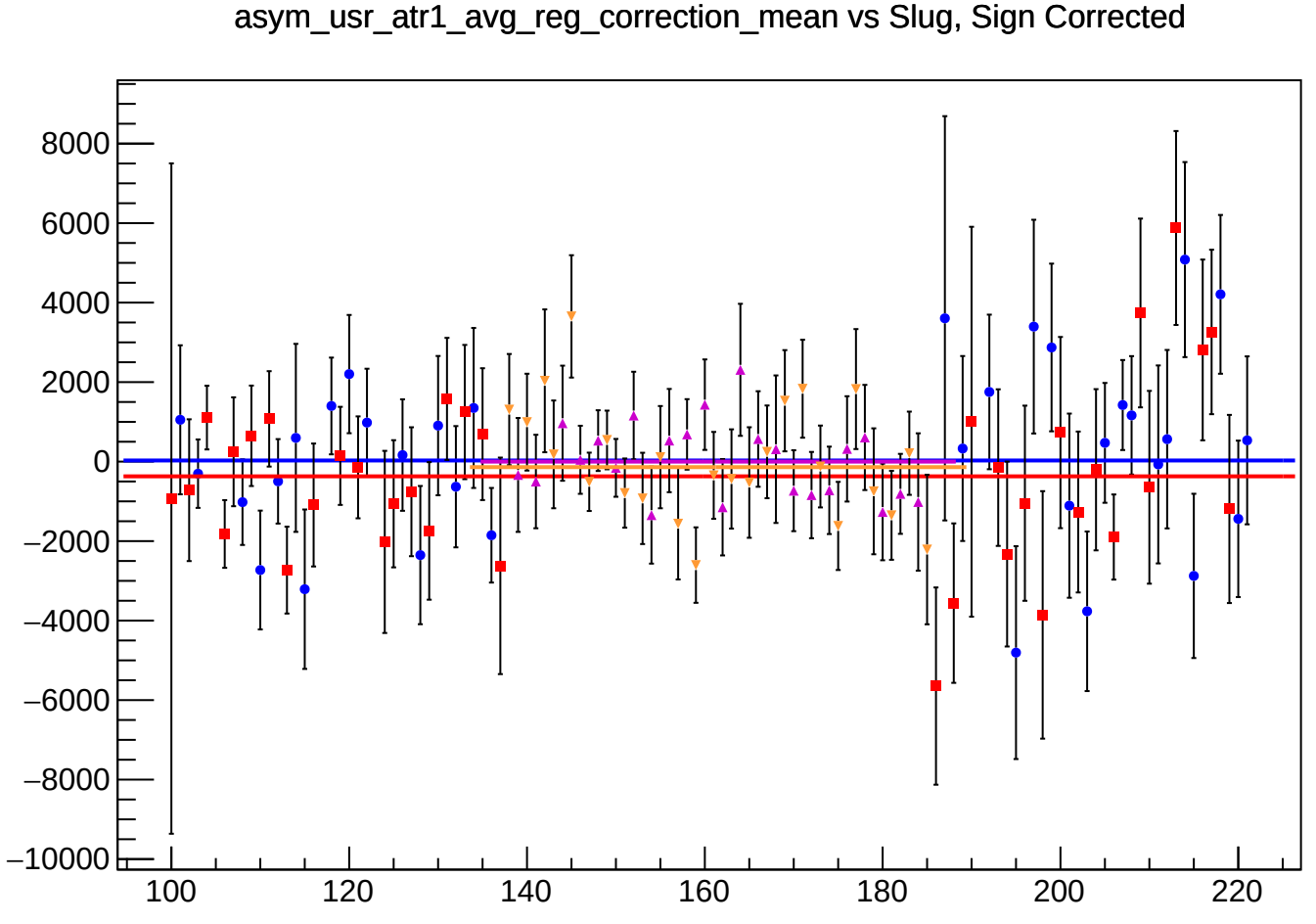
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

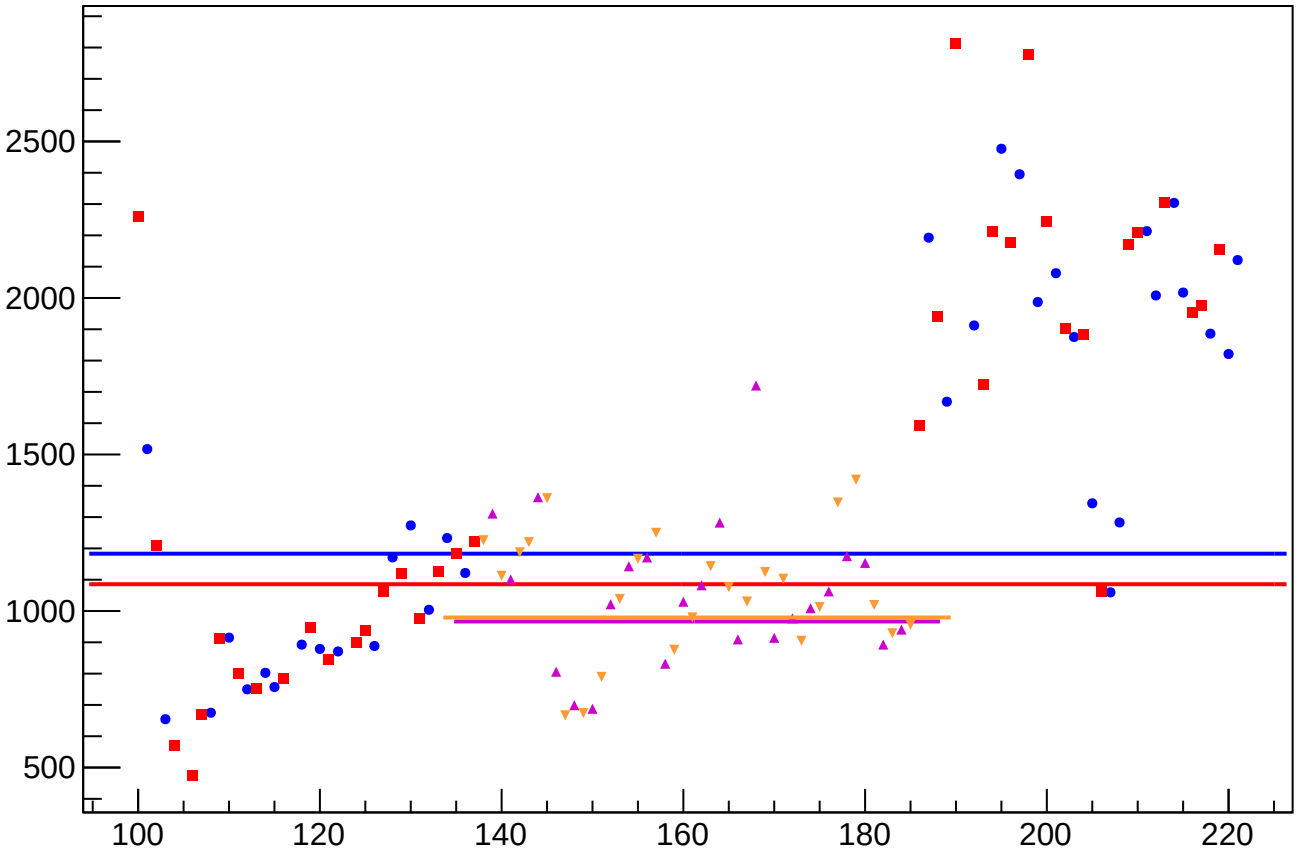
Right: 1636.534+/-0.177 χ^2/NDF: 822336.6/69

In: 1625.589+/-0.182 χ^2/NDF:678585.8/56

Out: 1625.276+/-0.181 χ^2/NDF:155578.2/60

All: 1625.431+/-0.128 χ^2/NDF: 834165.5/117


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
220
Right In: 28.397+/-276.634 χ²/NDF: 42.1/33
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -370.407+/-267.006 χ²/NDF: 45.1/35
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -178.066+/-192.115 χ²/NDF: 88.2/69
In: 11.666+/-177.718 χ²/NDF:54.9/56
Out: -237.151+/-173.881 χ²/NDF:75.7/60
All: -115.458+/-124.287 χ²/NDF: 131.6/117



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: 1085.633+/-0.189 χ^2/NDF: 8529560.3/35

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

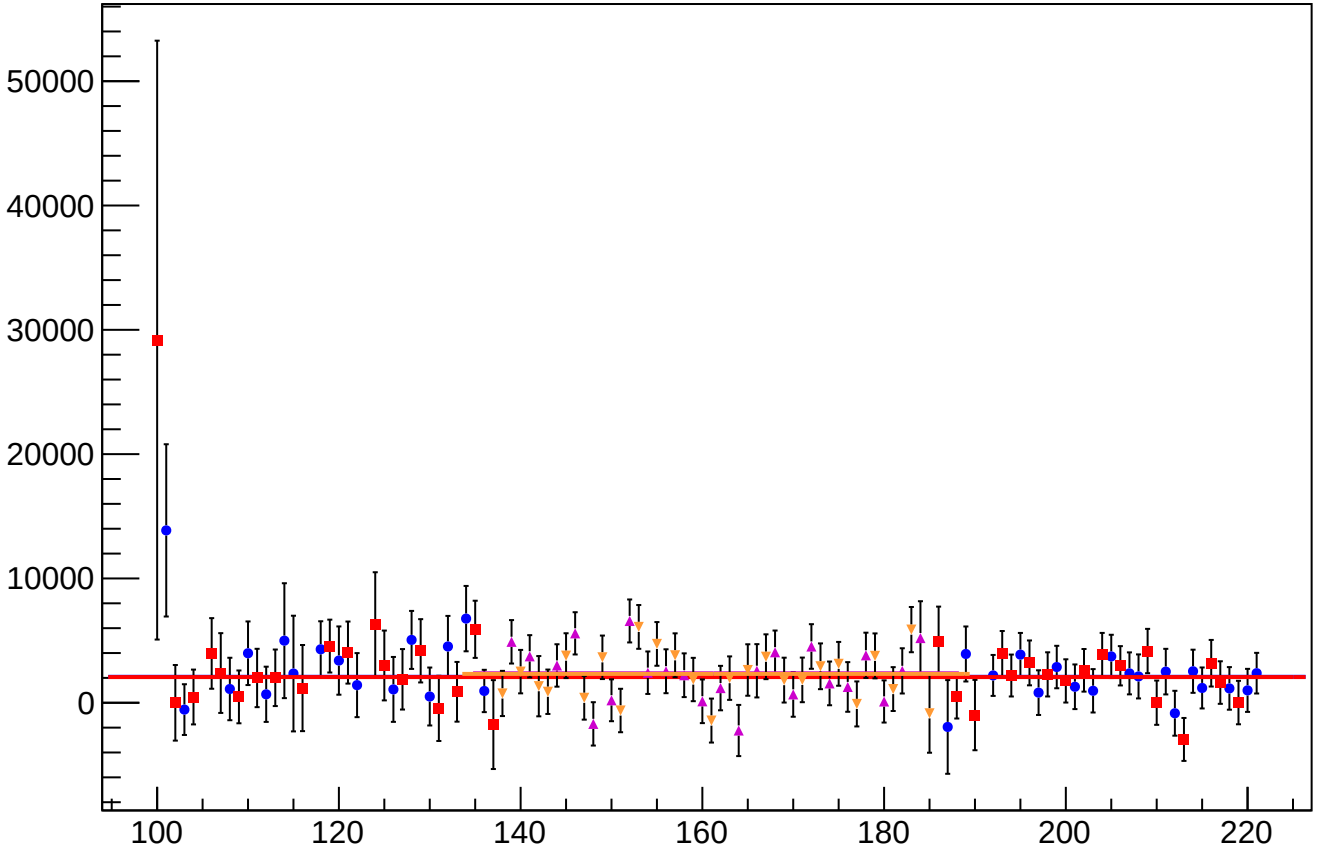
Right: 1132.646+/-0.136 χ^2/NDF: 15304325.2/69

In: 1055.914+/-0.126 χ^2/NDF:8968786.4/56

Out: 1024.392+/-0.123 χ^2/NDF:10342875.5/60

All: 1039.809+/-0.088 χ^2/NDF: 19343809.9/1

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: 2066.264+/-356.787 χ^2/NDF: 31.2/35

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

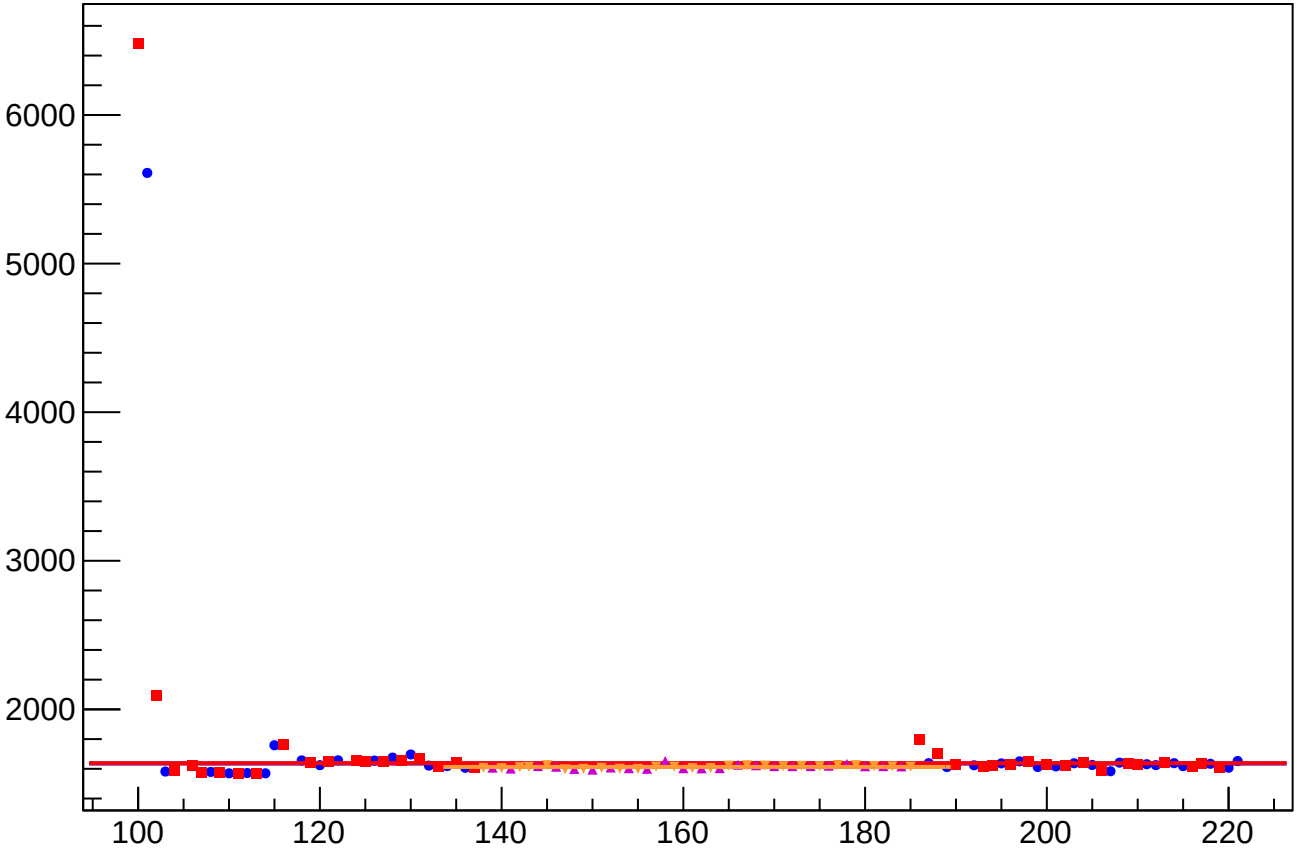
Right: 2077.404+/-250.093 χ^2/NDF: 54.3/69

In: 2219.296+/-256.699 χ^2/NDF:57.1/56

Out: 2190.293+/-255.584 χ^2/NDF:58.9/60

All: 2204.731+/-181.118 χ^2/NDF: 116.1/117

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

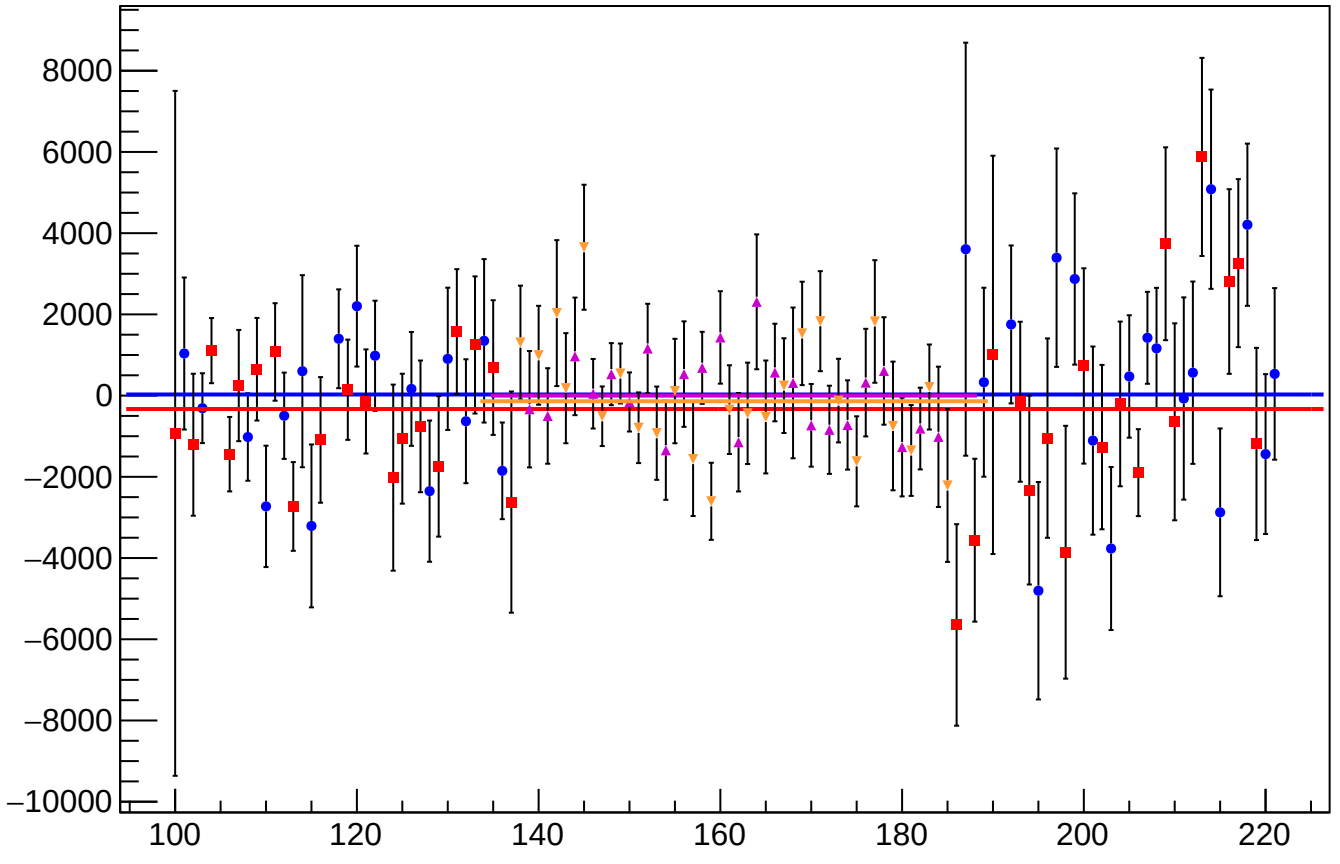
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.751+/-0.177 χ^2/NDF: 821925.2/69

In: 1625.589+/-0.182 χ^2/NDF:678585.3/56

Out: 1625.499+/-0.181 χ^2/NDF:155322.6/60

All: 1625.544+/-0.128 χ^2/NDF: 833908.0/117



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: -330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

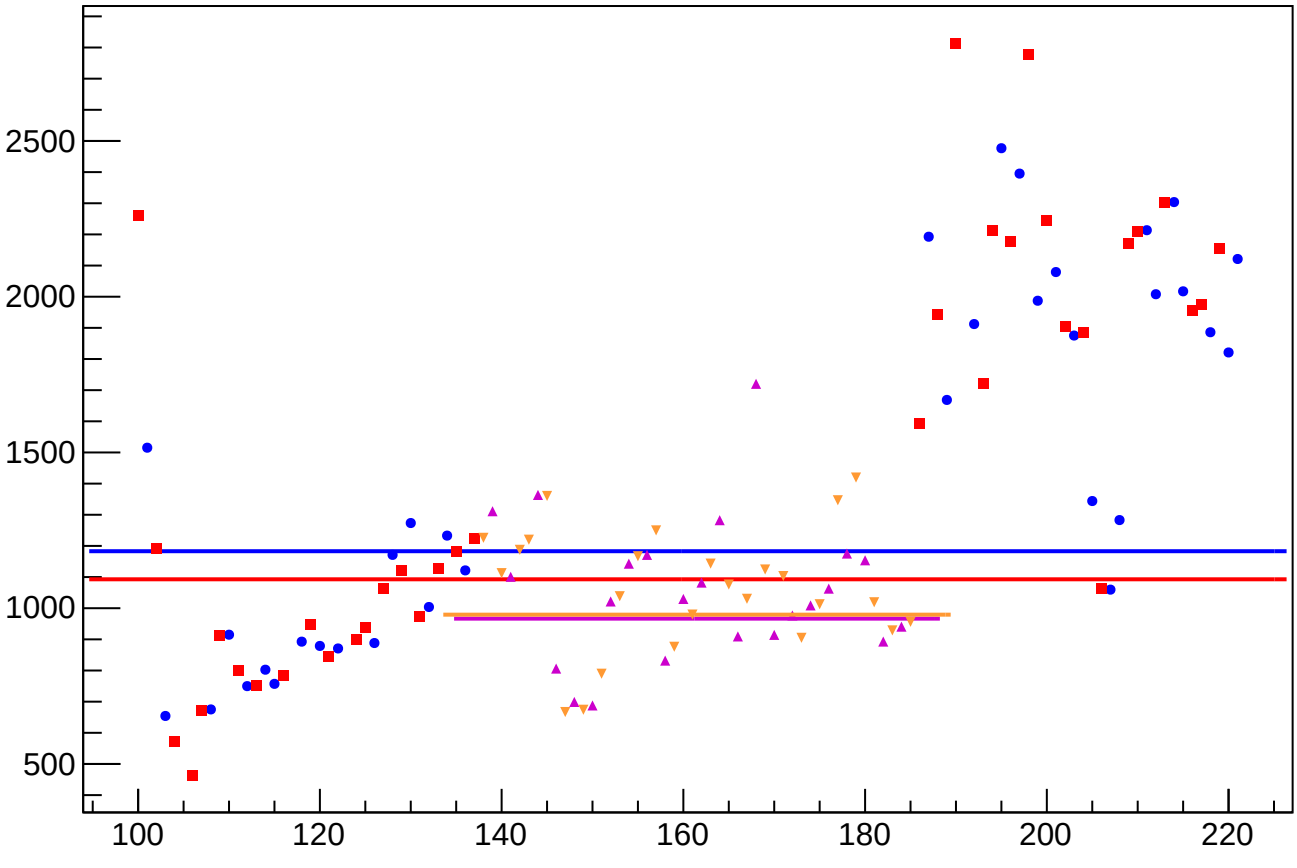
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -156.612+/-192.743 χ^2/NDF: 86.7/69

In: 11.301+/-177.712 χ^2/NDF:54.9/56

Out: -219.593+/-174.351 χ^2/NDF:74.2/60

All: -106.350+/-124.456 χ^2/NDF: 130.0/117



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: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

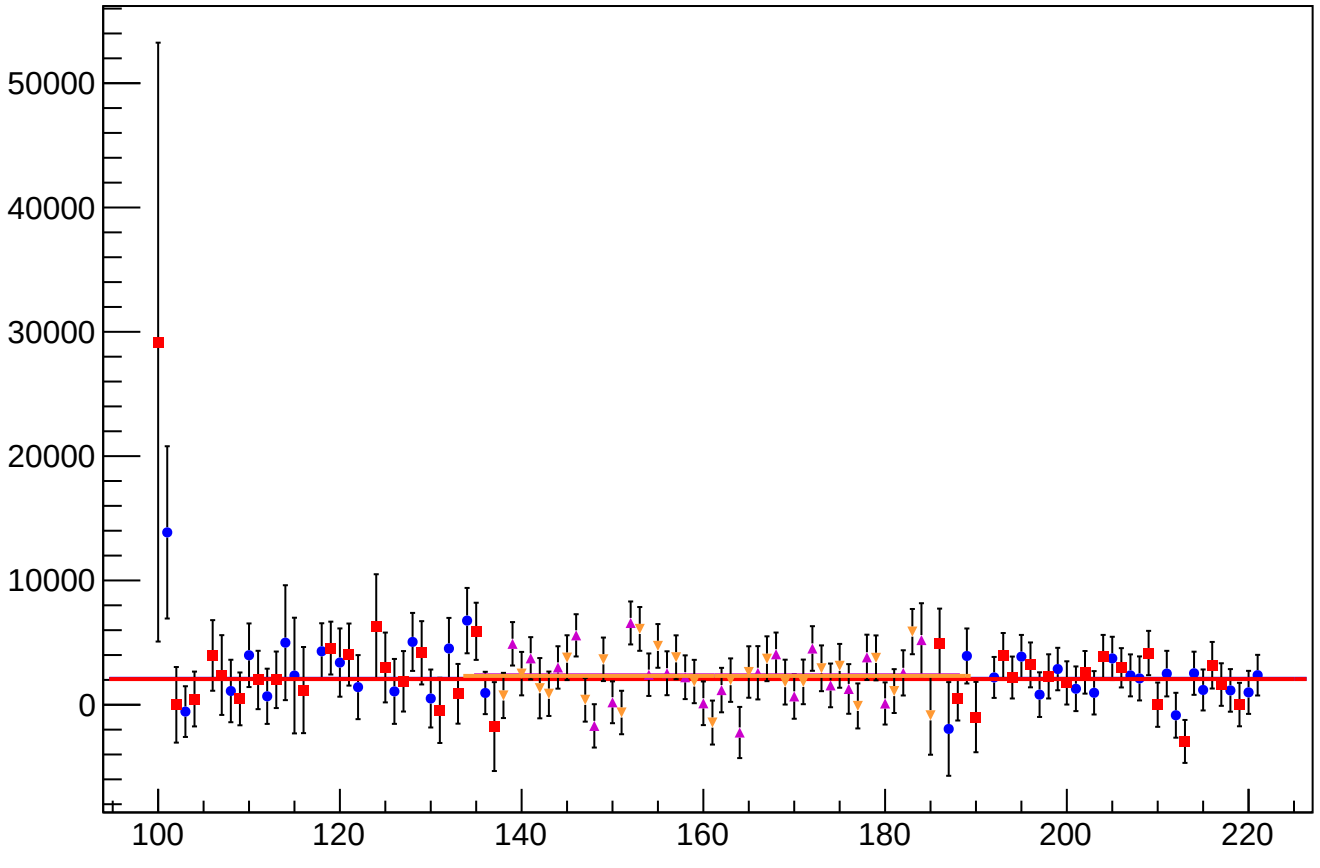
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1136.604+/-0.136 χ^2/NDF: 15171629.6/69

In: 1055.879+/-0.126 χ^2/NDF:8969182.0/56

Out: 1027.081+/-0.123 χ^2/NDF:10252357.7/60

All: 1041.205+/-0.088 χ^2/NDF: 19248300.8/1



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: 2066.264+/-356.787 χ^2/NDF: 31.2/35

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

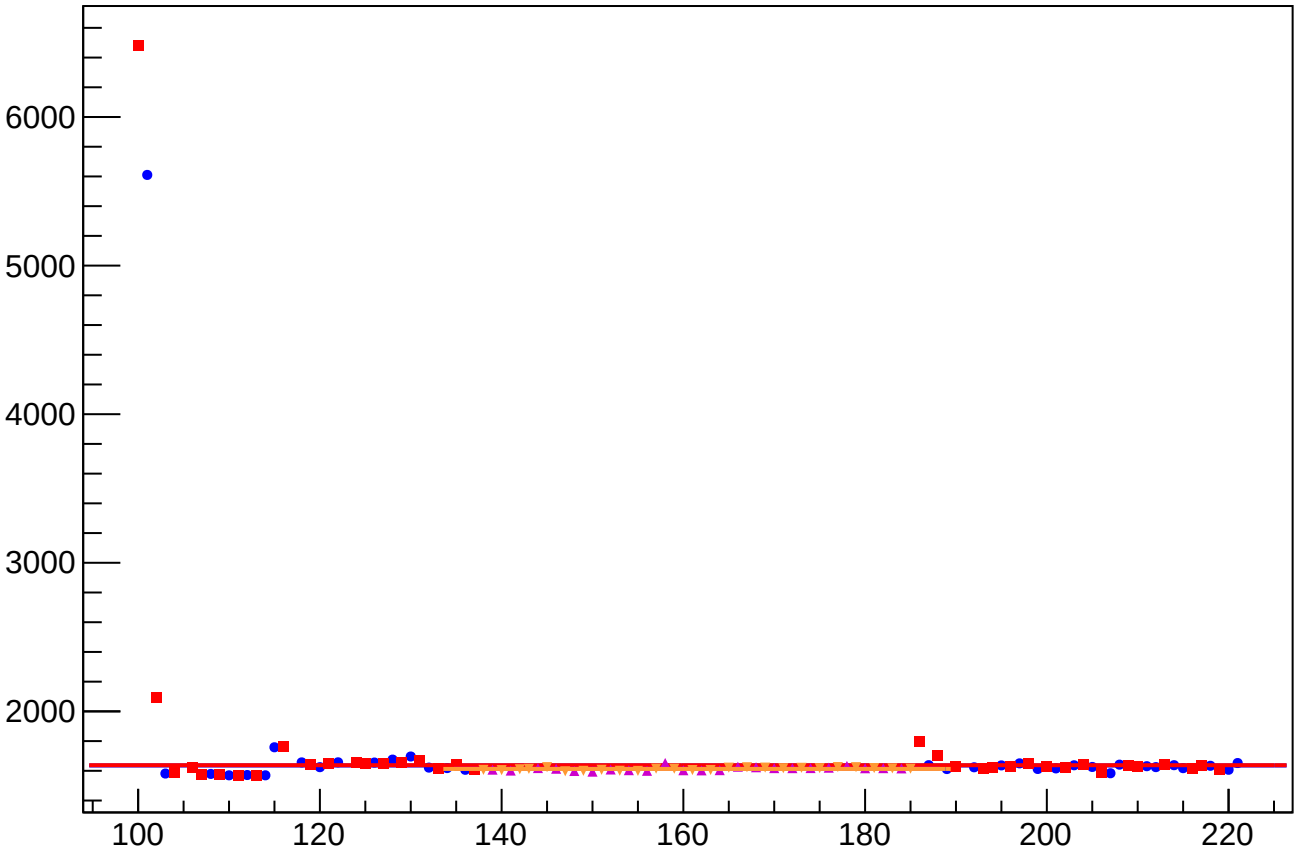
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2077.404+/-250.093 χ^2/NDF: 54.3/69

In: 2219.296+/-256.699 χ^2/NDF:57.1/56

Out: 2190.293+/-255.584 χ^2/NDF:58.9/60

All: 2204.731+/-181.118 χ^2/NDF: 116.1/117



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: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

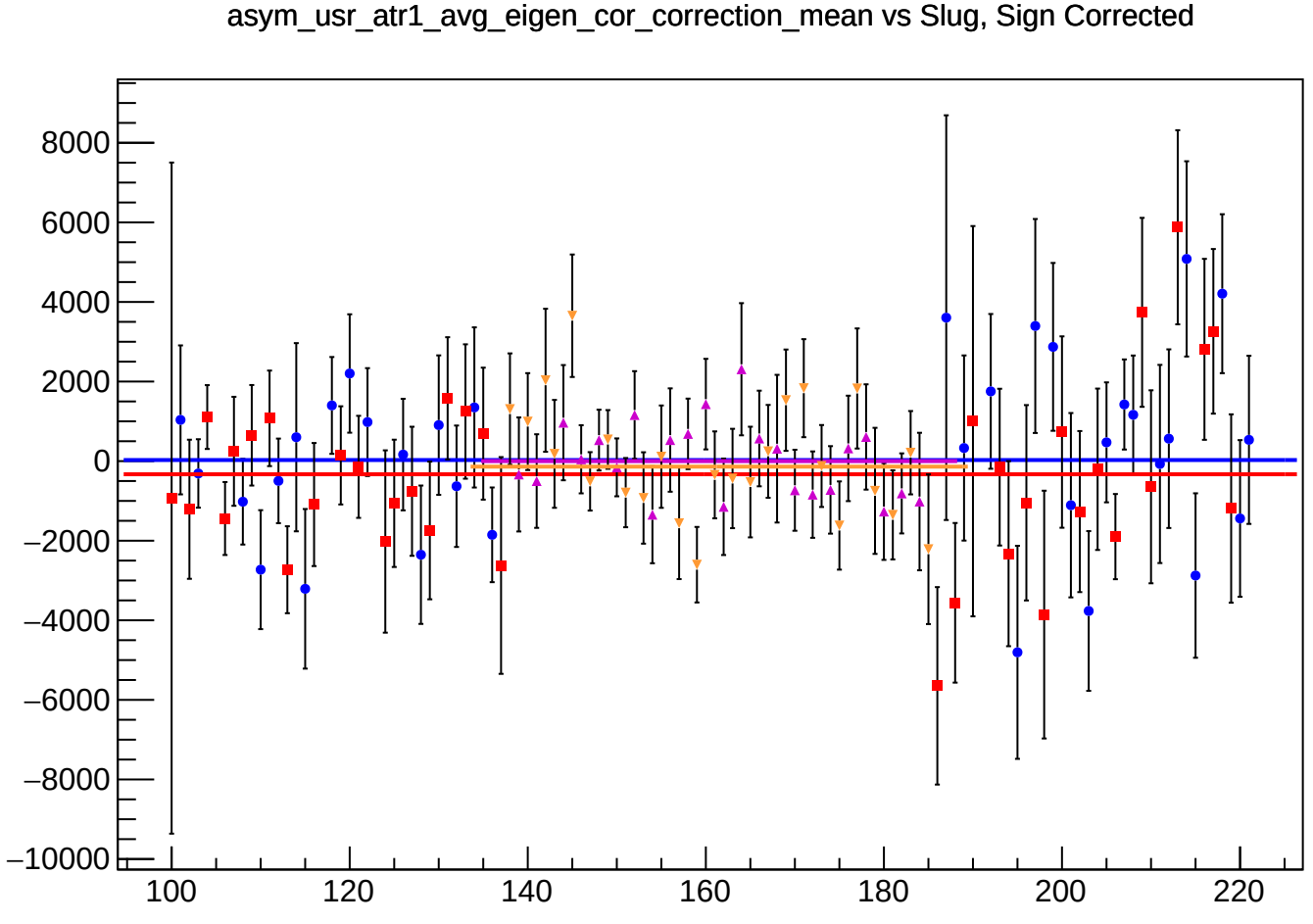
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.751+/-0.177 χ^2/NDF: 821925.2/69

In: 1625.589+/-0.182 χ^2/NDF:678585.3/56

Out: 1625.499+/-0.181 χ^2/NDF:155322.6/60

All: 1625.544+/-0.128 χ^2/NDF: 833908.0/117



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: -330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

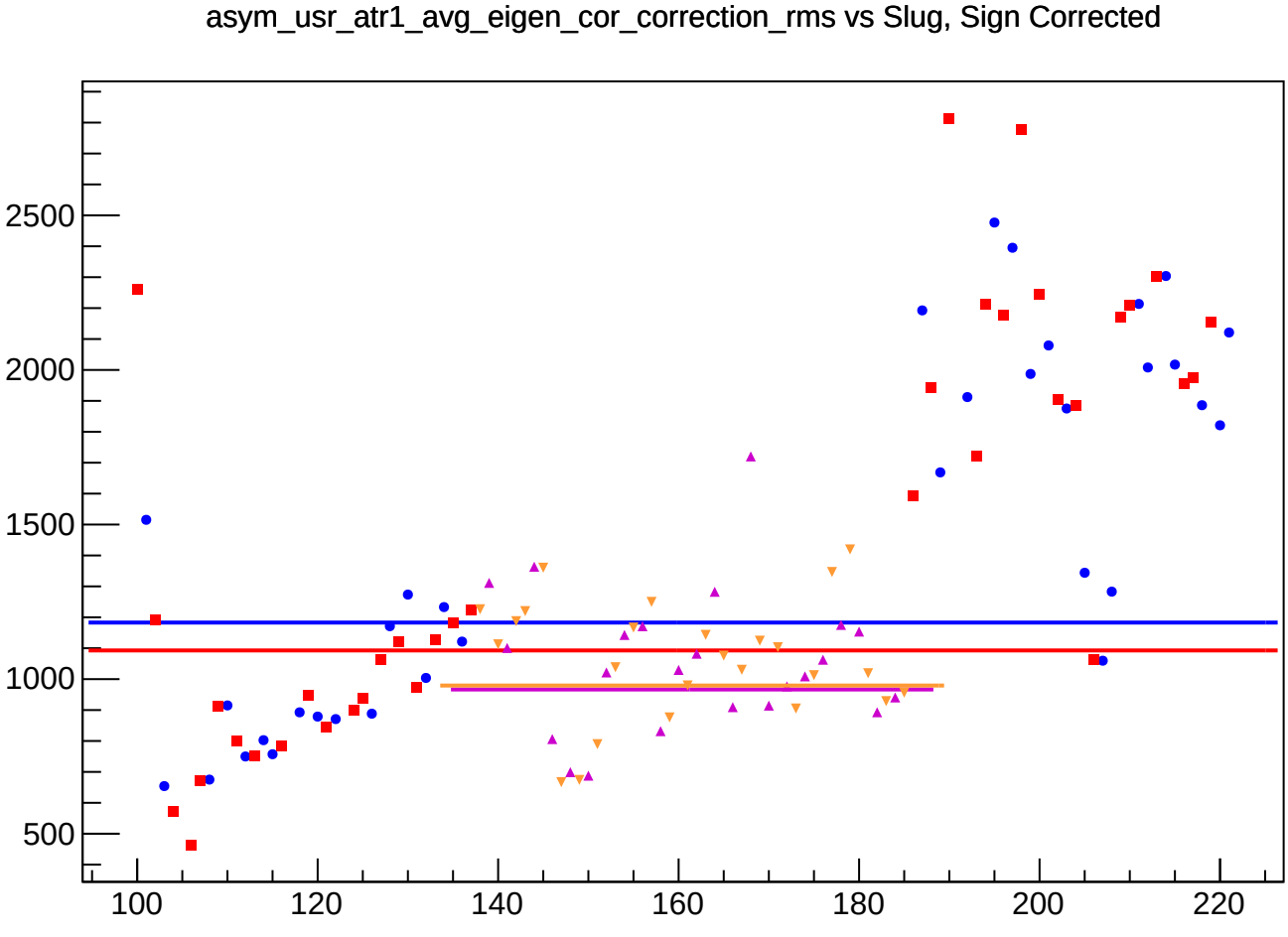
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -156.612+/-192.743 χ^2/NDF: 86.7/69

In: 11.301+/-177.712 χ^2/NDF:54.9/56

Out: -219.593+/-174.351 χ^2/NDF:74.2/60

All: -106.350+/-124.456 χ^2/NDF: 130.0/117



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: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

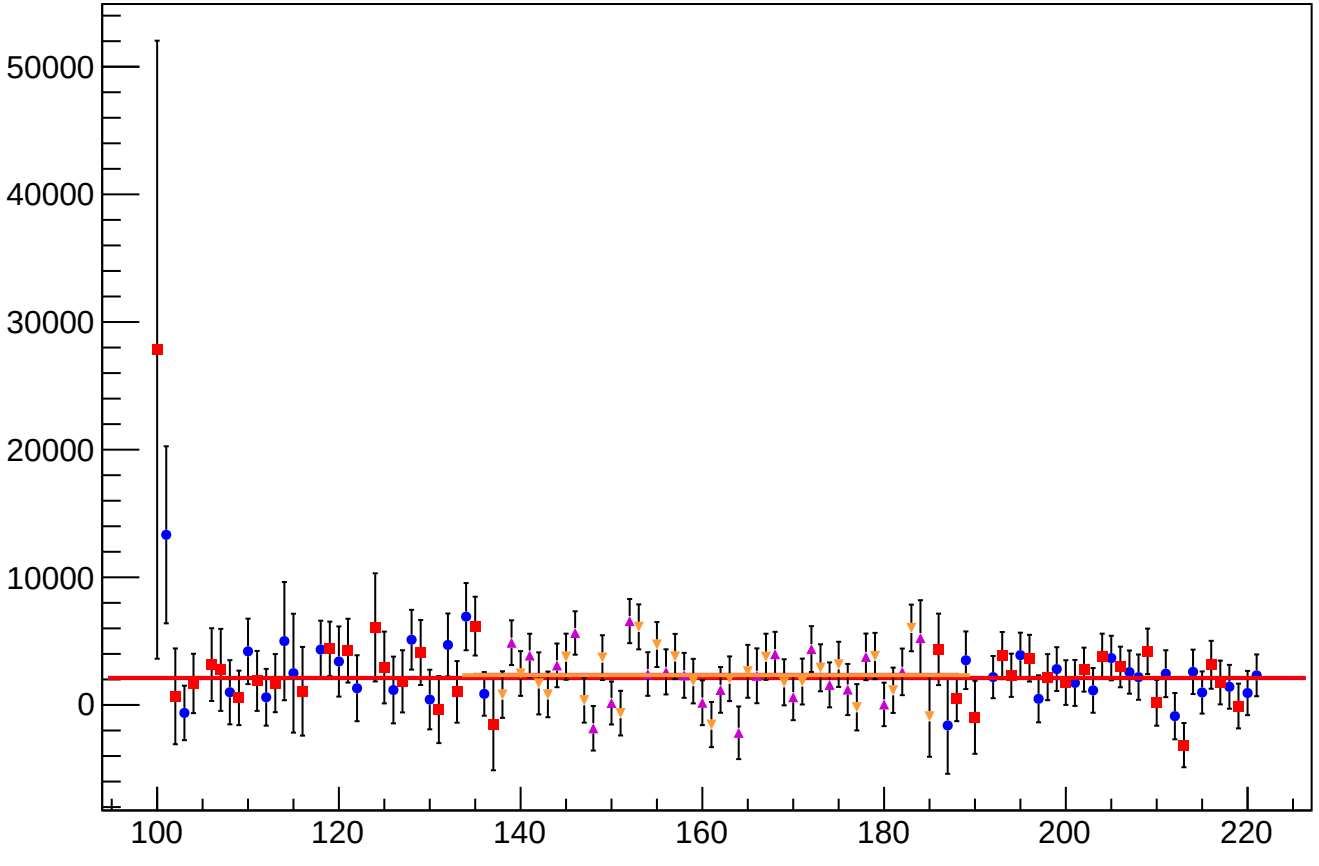
Right: 1136.604+/-0.136 χ^2/NDF: 15171629.6/69

In: 1055.879+/-0.126 χ^2/NDF:8969182.0/56

Out: 1027.081+/-0.123 χ^2/NDF:10252357.7/60

All: 1041.205+/-0.088 χ^2/NDF: 19248300.8/1

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: 2122.403+/-359.576 χ^2/NDF: 30.2/35

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

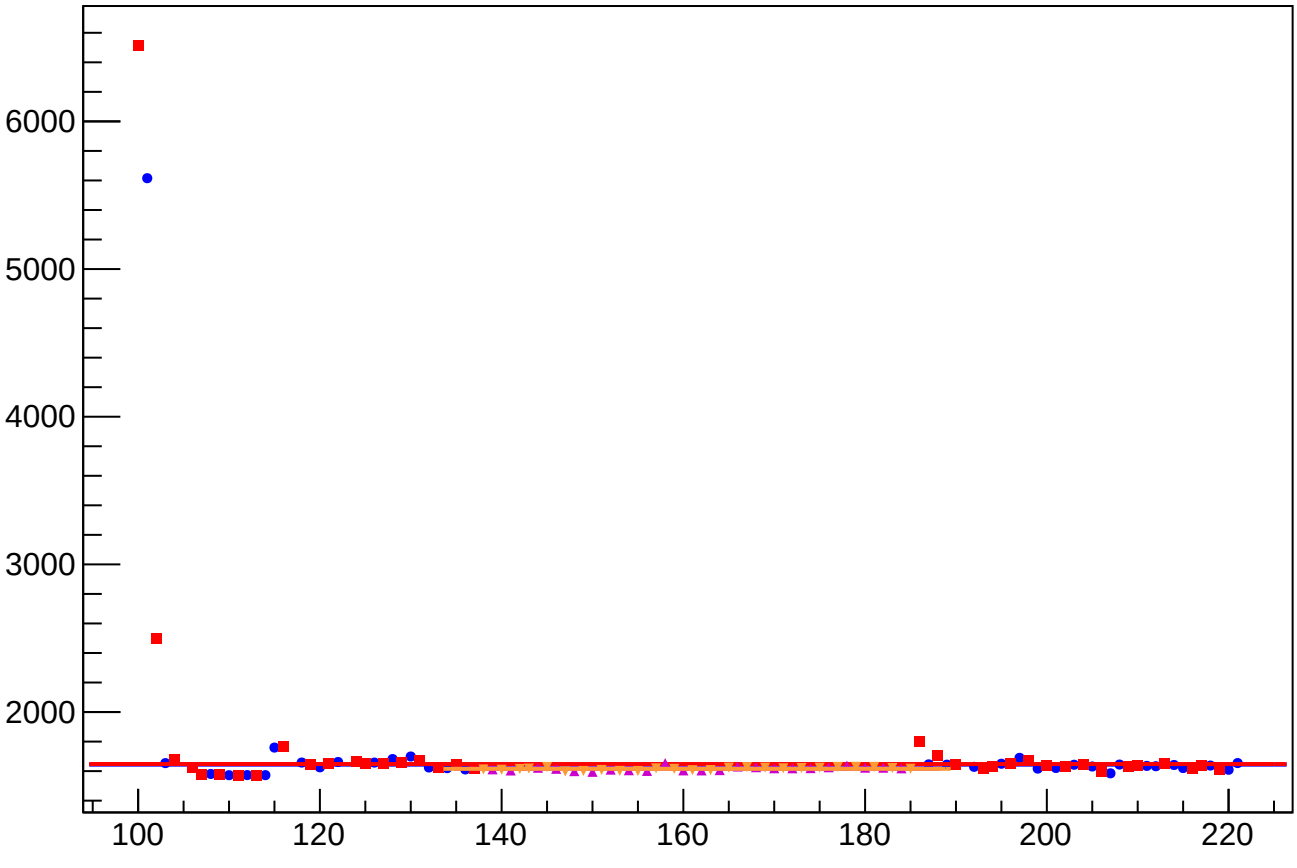
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2112.491+/-251.696 χ^2/NDF: 53.3/69

In: 2222.837+/-257.583 χ^2/NDF:57.3/56

Out: 2226.454+/-256.840 χ^2/NDF:58.7/60

All: 2224.651+/-181.875 χ^2/NDF: 116.0/117



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: 1647.901+/-0.254 χ^2/NDF: 207229.7/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

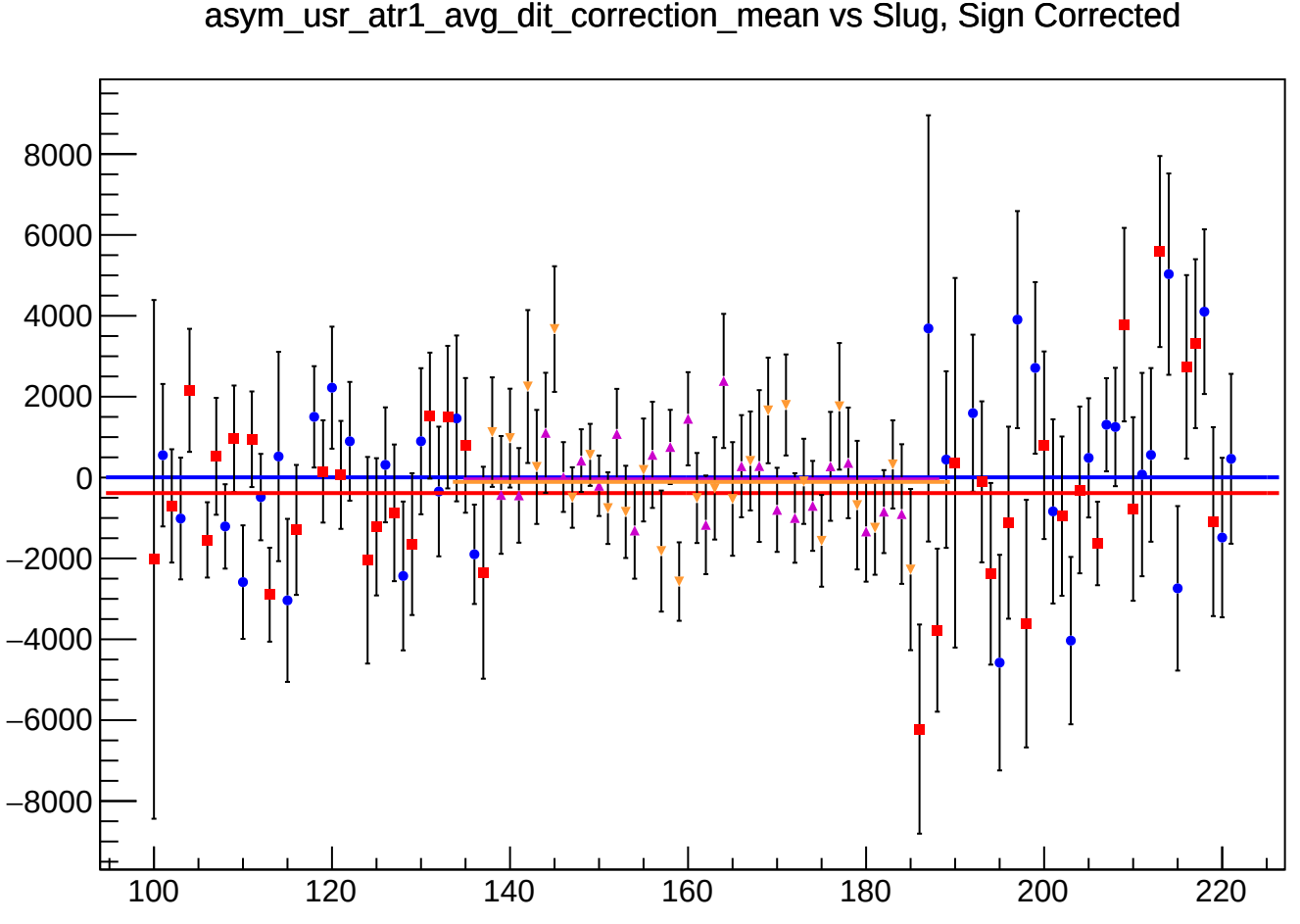
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1645.899+/-0.178 χ^2/NDF: 878960.5/69

In: 1631.112+/-0.182 χ^2/NDF:679887.5/56

Out: 1632.096+/-0.182 χ^2/NDF:216565.4/60

All: 1631.606+/-0.129 χ^2/NDF: 896467.5/117



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: -384.011+/-282.070 χ^2/NDF: 43.8/35

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

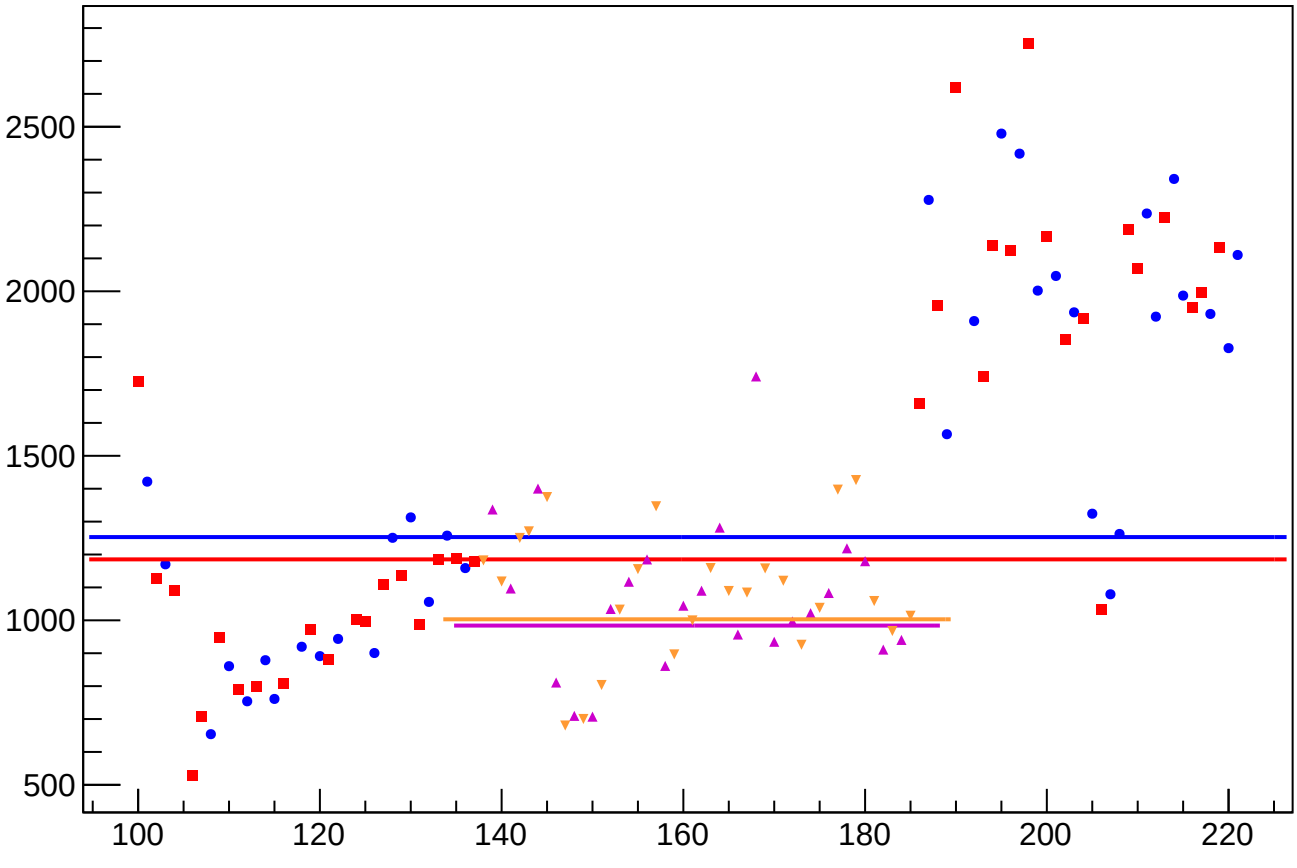
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -193.660+/-201.712 χ^2/NDF: 86.1/69

In: -24.444+/-182.562 χ^2/NDF:54.2/56

Out: -219.708+/-180.235 χ^2/NDF:73.4/60

All: -123.328+/-128.260 χ^2/NDF: 128.1/117



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: 1185.224+/-0.199 χ^2/NDF: 6789312.0/35

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

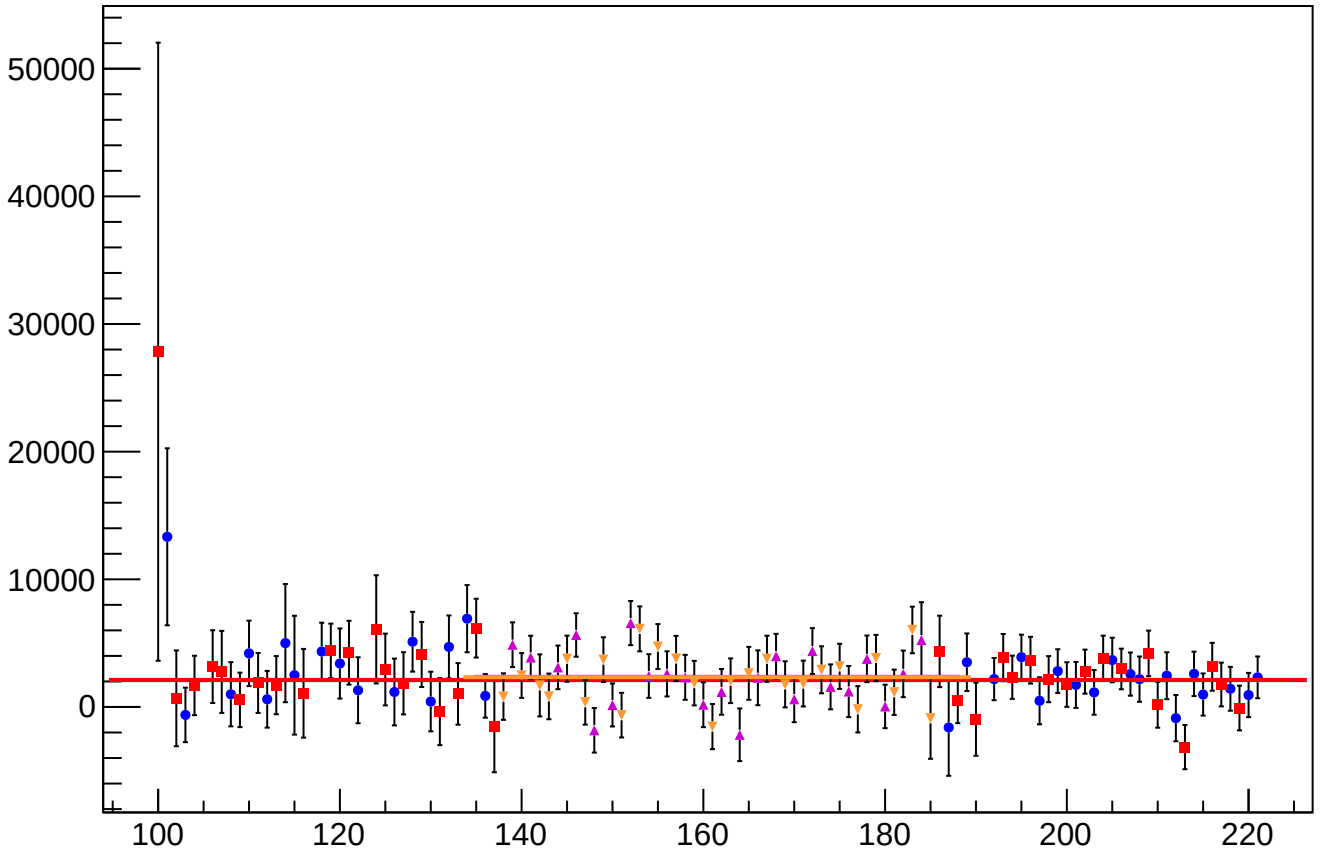
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1218.340+/-0.143 χ^2/NDF: 12568273.8/69

In: 1091.696+/-0.129 χ^2/NDF:8324042.0/56

Out: 1077.459+/-0.127 χ^2/NDF:8881078.3/60

All: 1084.486+/-0.091 χ^2/NDF: 17211280.2/1



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: 2122.403+/-359.576 χ^2/NDF: 30.2/35

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

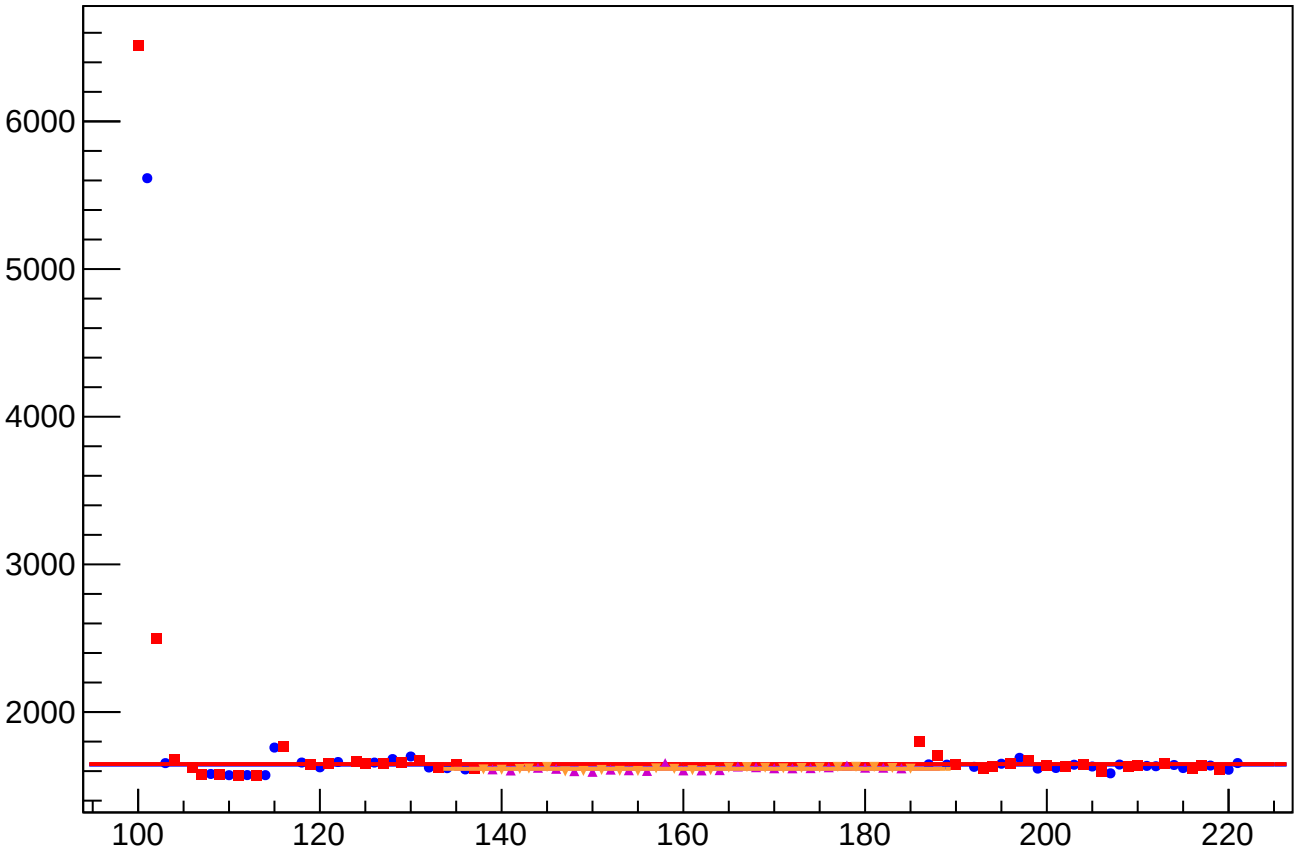
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2112.492+/-251.696 χ^2/NDF: 53.3/69

In: 2222.838+/-257.583 χ^2/NDF:57.3/56

Out: 2226.454+/-256.840 χ^2/NDF:58.7/60

All: 2224.651+/-181.875 χ^2/NDF: 116.0/117



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: 1647.900+/-0.254 χ^2/NDF: 207229.6/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

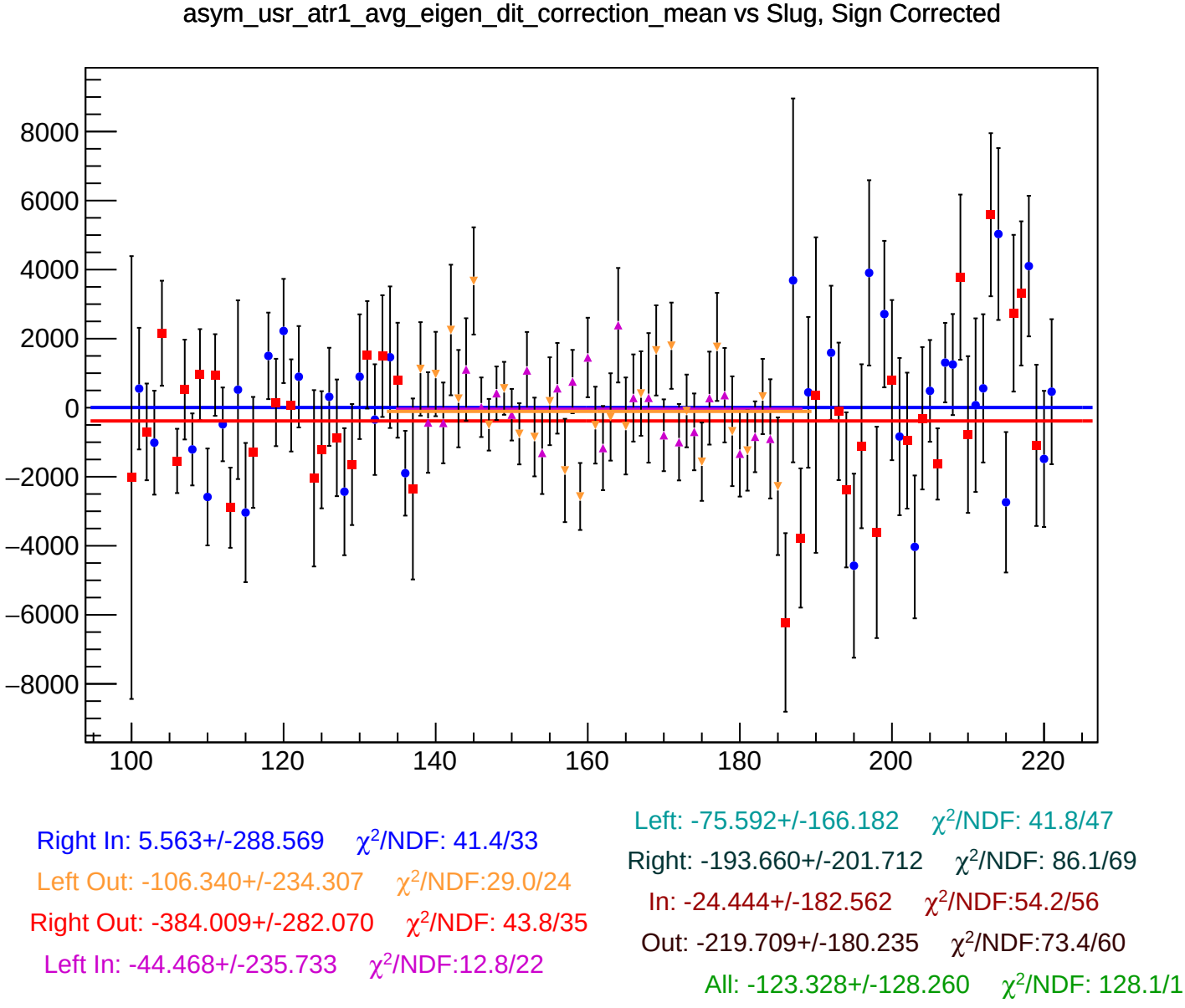
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

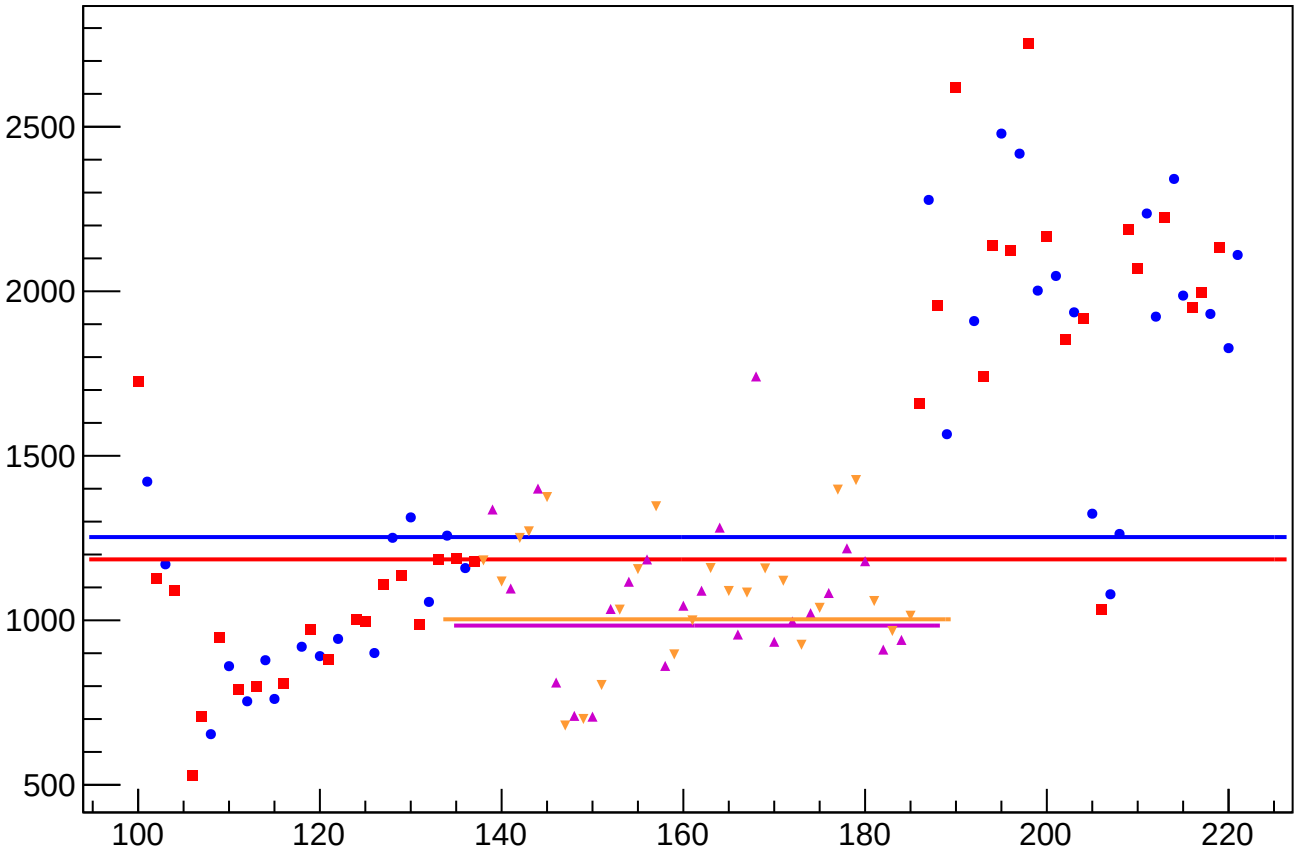
Right: 1645.899+/-0.178 χ^2/NDF: 878960.4/69

In: 1631.112+/-0.182 χ^2/NDF:679887.4/56

Out: 1632.096+/-0.182 χ^2/NDF:216565.2/60

All: 1631.606+/-0.129 χ^2/NDF: 896467.3/117


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: -384.009+/-282.070 χ²/NDF: 43.8/35
Left In: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -75.592+/-166.182 χ²/NDF: 41.8/47
Right: -193.660+/-201.712 χ²/NDF: 86.1/69
In: -24.444+/-182.562 χ²/NDF:54.2/56
Out: -219.709+/-180.235 χ²/NDF:73.4/60
All: -123.328+/-128.260 χ²/NDF: 128.1/117



Right In: 1252.998+/-0.204 χ^2/NDF: 5722610.5/33

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1185.221+/-0.199 χ^2/NDF: 6789358.9/35

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

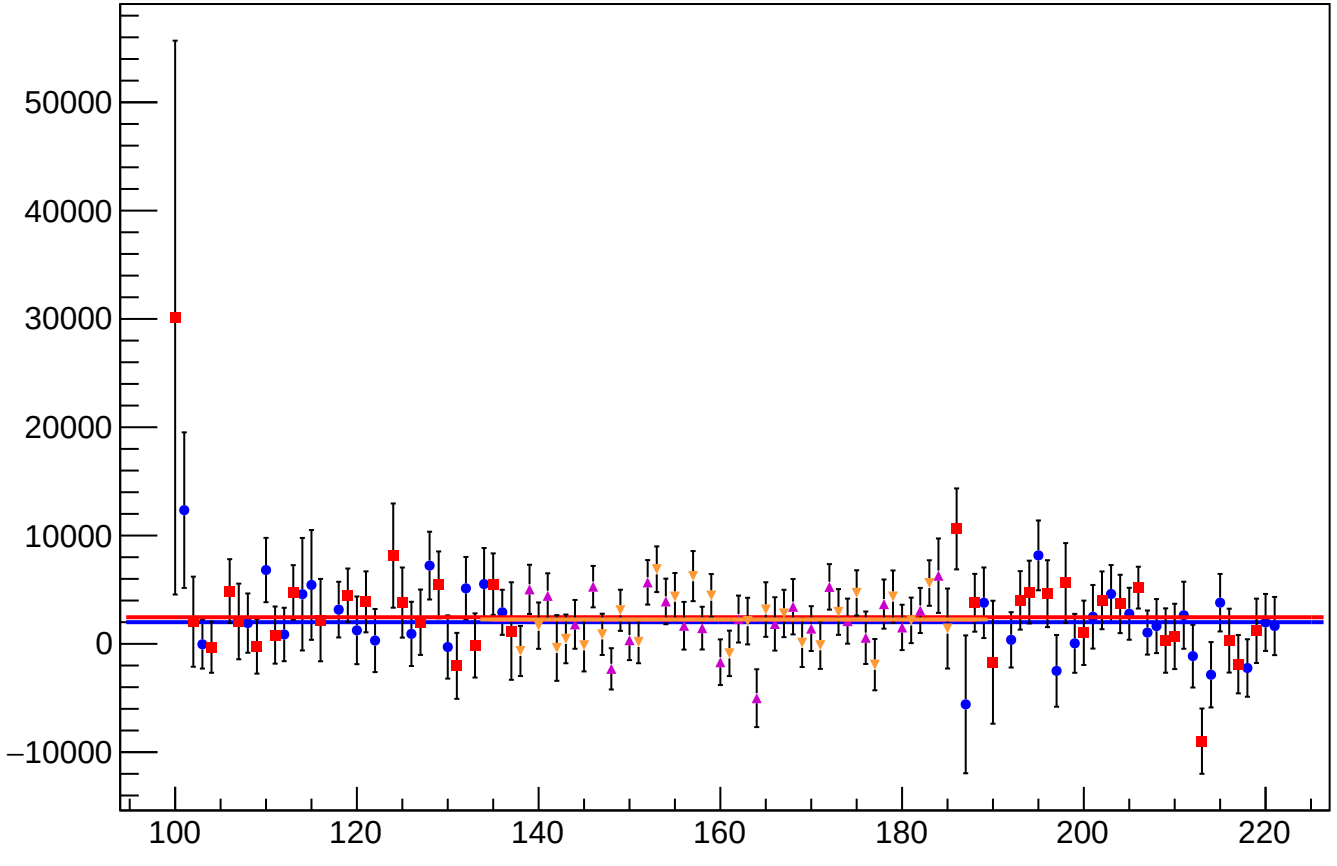
Right: 1218.338+/-0.143 χ^2/NDF: 12568391.0/69

In: 1091.697+/-0.129 χ^2/NDF:8324076.7/56

Out: 1077.460+/-0.127 χ^2/NDF:8881101.8/60

All: 1084.487+/-0.091 χ^2/NDF: 17211338.3/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 2458.234+/-497.444 χ^2/NDF: 42.4/35

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

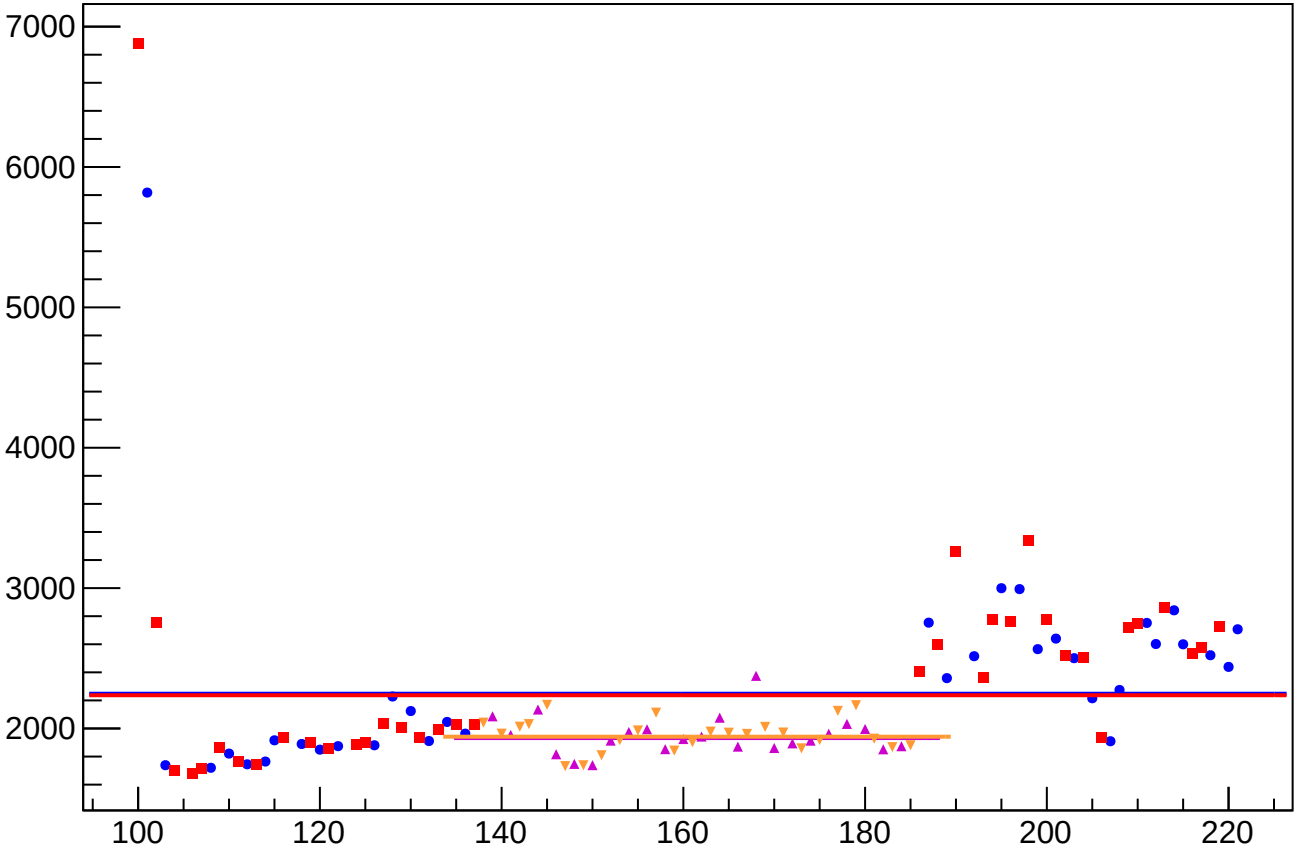
Right: 2225.635+/-348.812 χ^2/NDF: 72.2/69

In: 2118.594+/-332.114 χ^2/NDF:61.0/56

Out: 2343.249+/-330.501 χ^2/NDF:70.8/60

All: 2231.468+/-234.268 χ^2/NDF: 132.0/117

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: 2236.861+/-0.352 χ^2/NDF: 1567210.4/35

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

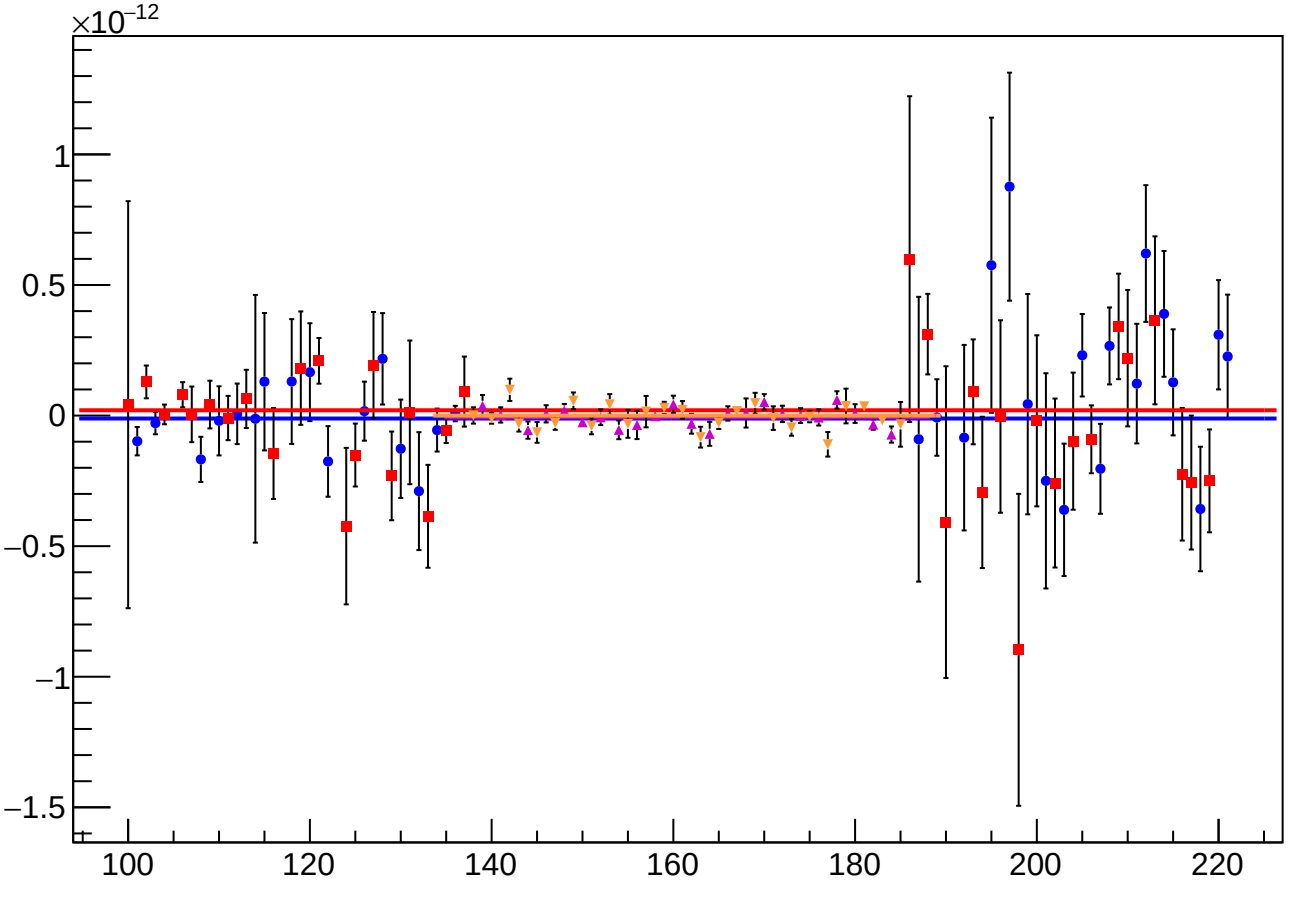
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2242.343+/-0.247 χ^2/NDF: 3269330.5/69

In: 2077.350+/-0.235 χ^2/NDF:2310921.8/56

Out: 2071.926+/-0.234 χ^2/NDF:2099849.2/60

All: 2074.624+/-0.166 χ^2/NDF: 4411039.1/11



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: 44.0/35

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

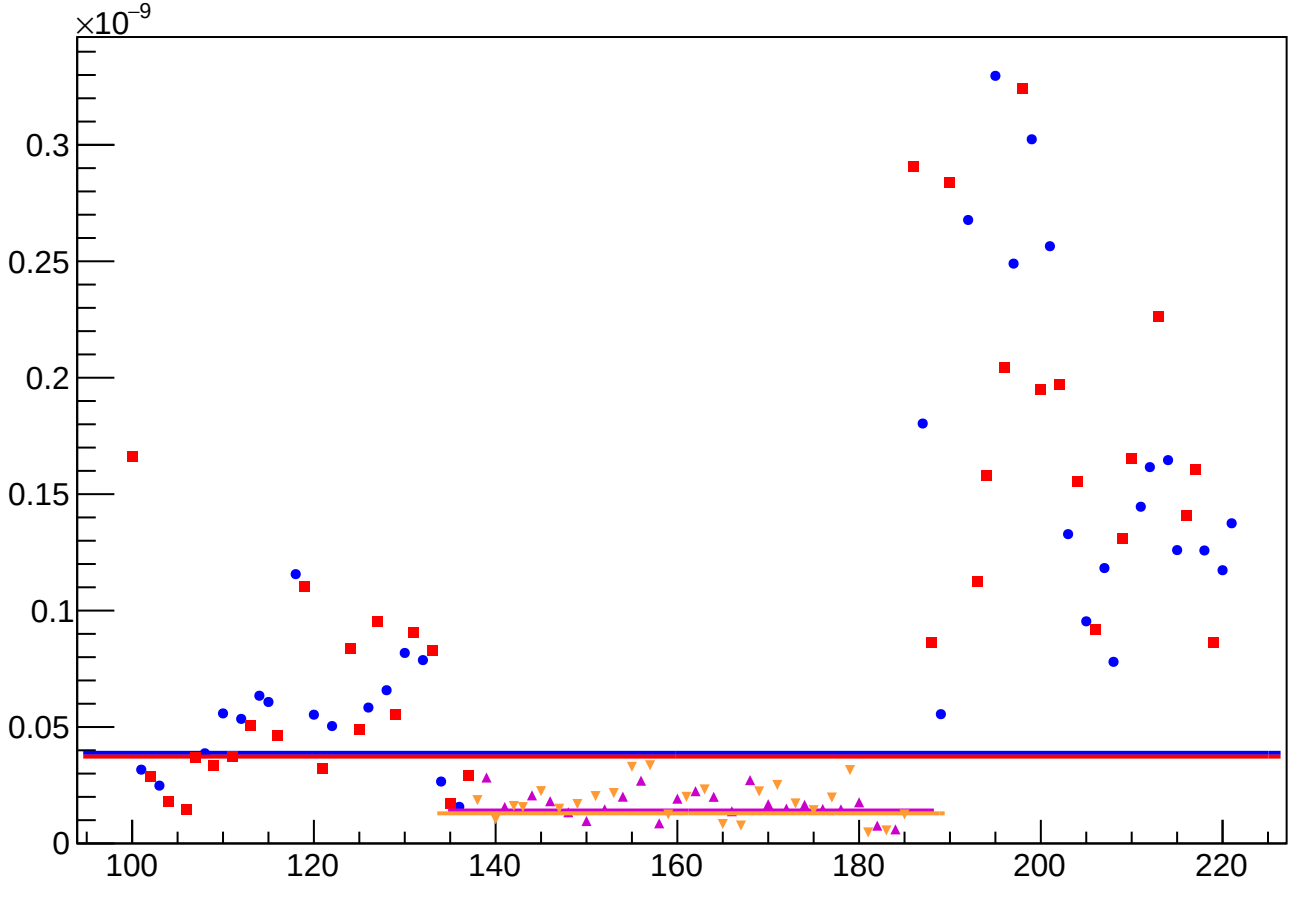
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 88.4/69

In: -0.000+/-0.000 χ^2/NDF:70.6/56

Out: 0.000+/-0.000 χ^2/NDF:85.4/60

All: -0.000+/-0.000 χ^2/NDF: 157.2/117



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: 8720540.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

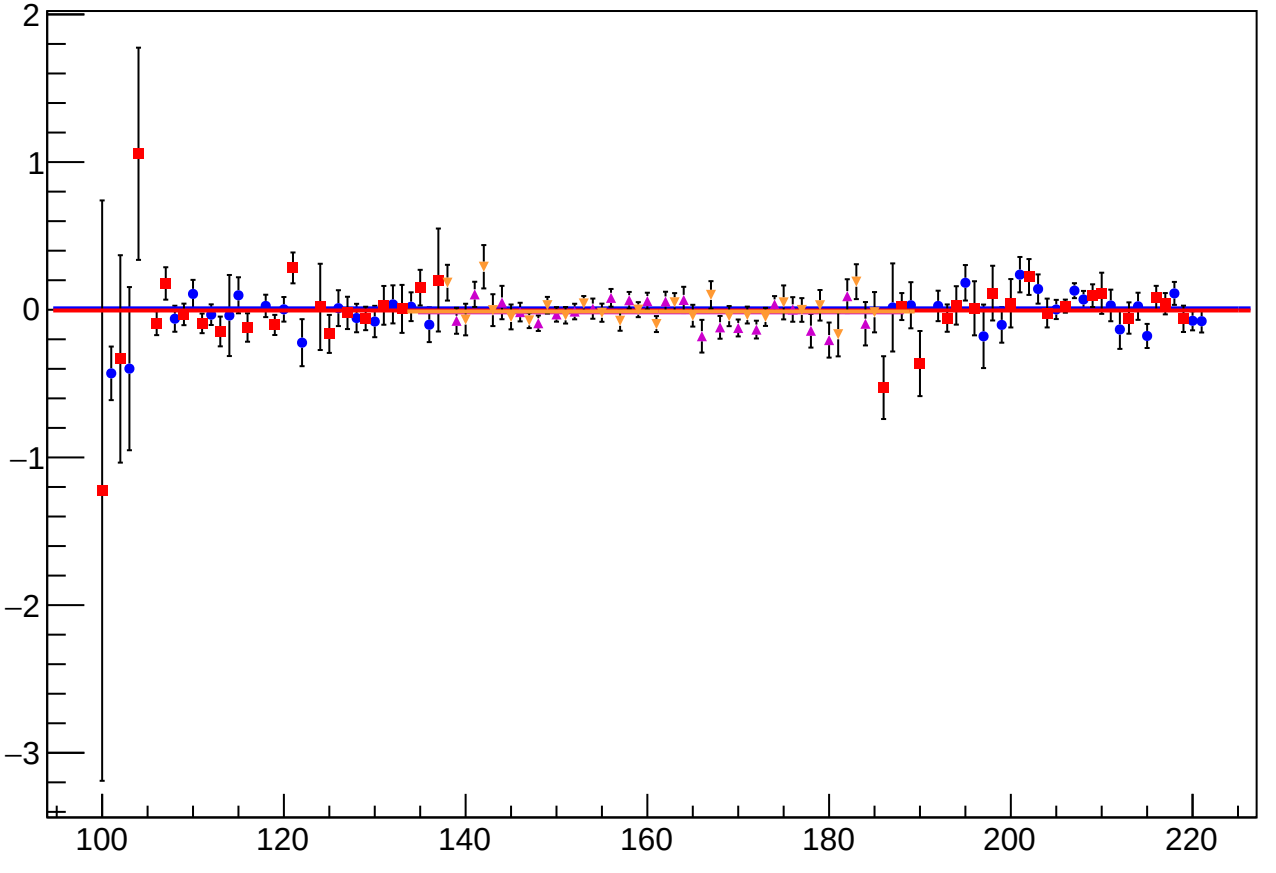
Right: 0.000+/-0.000 χ^2/NDF: 17931817.5/69

In: 0.000+/-0.000 χ^2/NDF:14109173.3/56

Out: 0.000+/-0.000 χ^2/NDF:14753748.1/60

All: 0.000+/-0.000 χ^2/NDF: 28948069.8/117

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

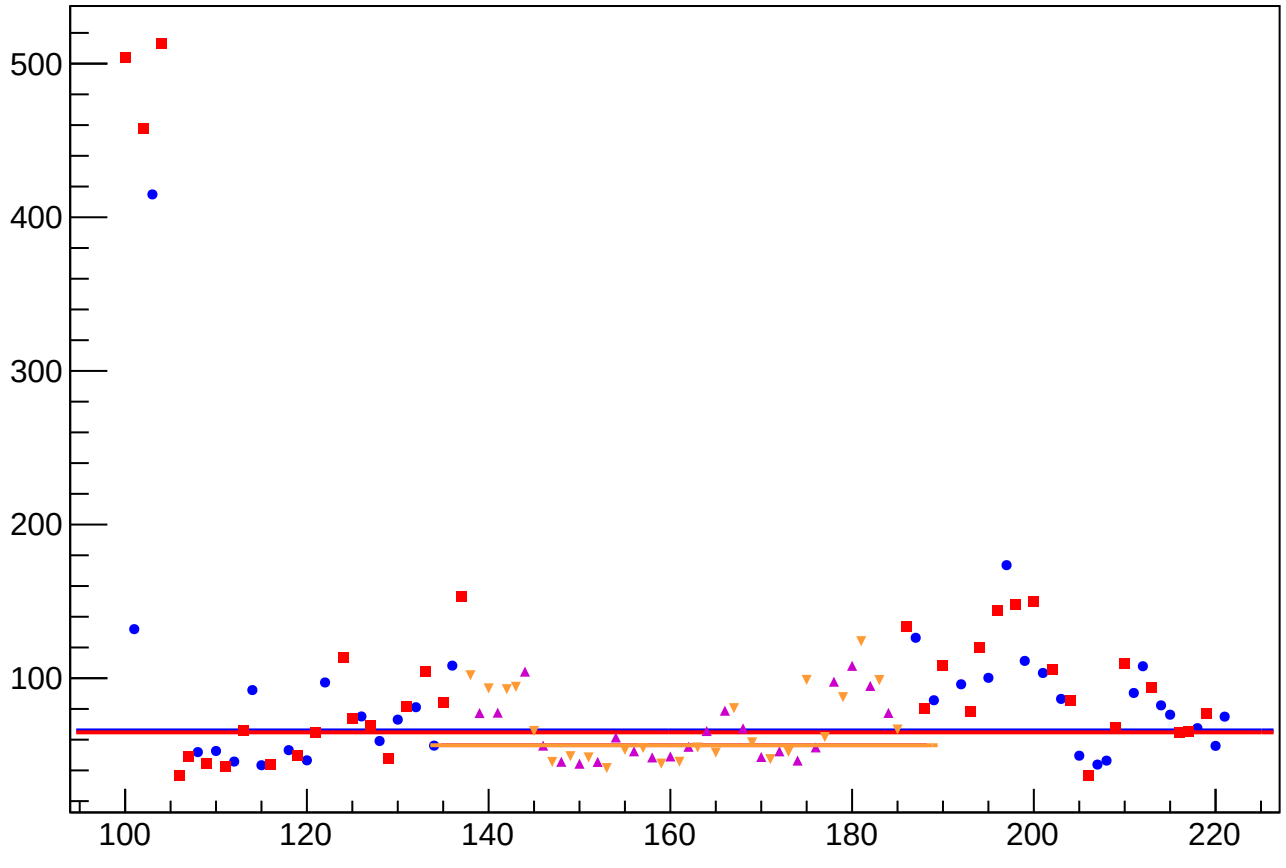
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.003+/-0.012 χ^2/NDF: 84.5/69

In: -0.005+/-0.011 χ^2/NDF:72.5/56

Out: -0.009+/-0.011 χ^2/NDF:65.7/60

All: -0.007+/-0.008 χ^2/NDF: 138.3/117



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: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

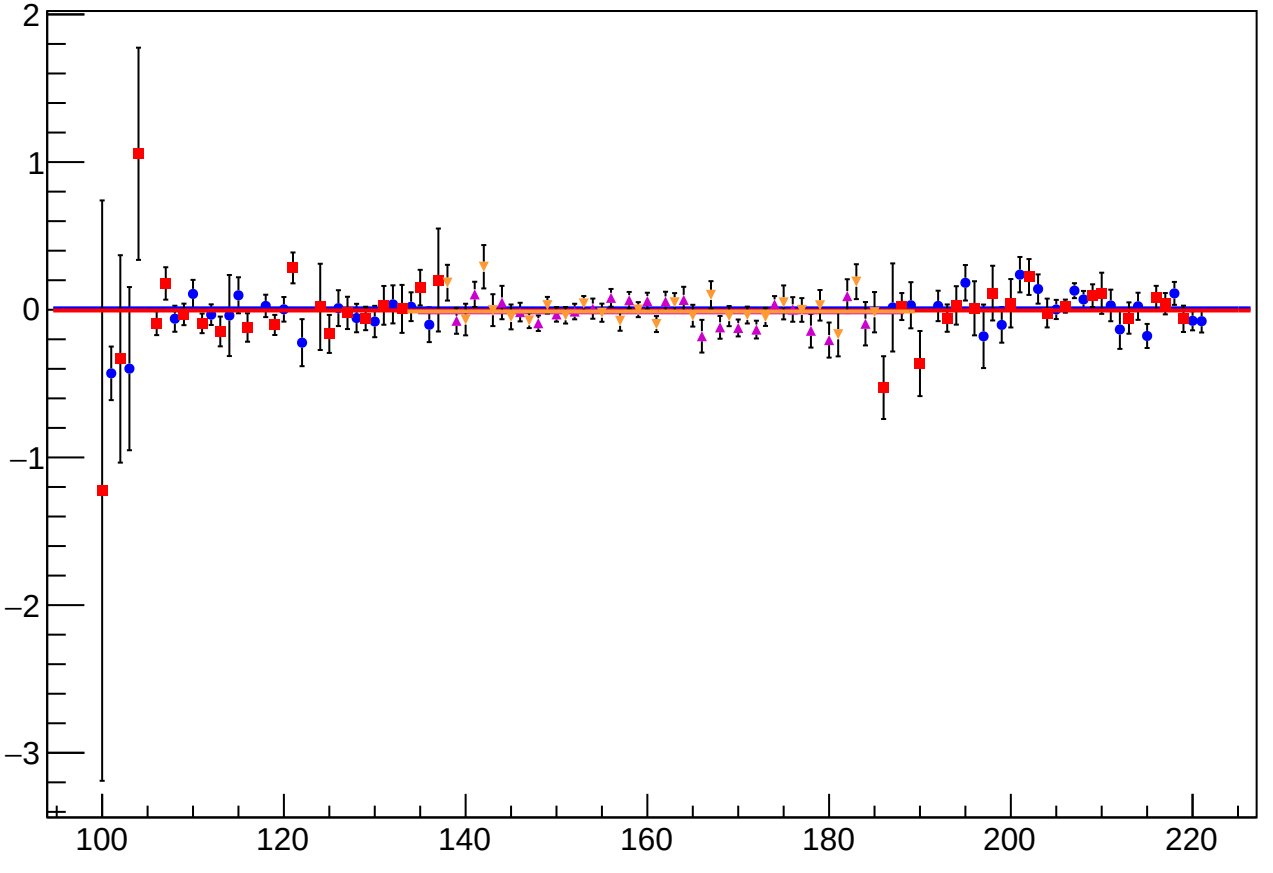
Right: 65.407+/-0.008 χ^2/NDF: 11165882.0/69

In: 60.701+/-0.008 χ^2/NDF:7240268.6/56

Out: 59.908+/-0.008 χ^2/NDF:9531748.2/60

All: 60.308+/-0.005 χ^2/NDF: 16777360.0/117

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

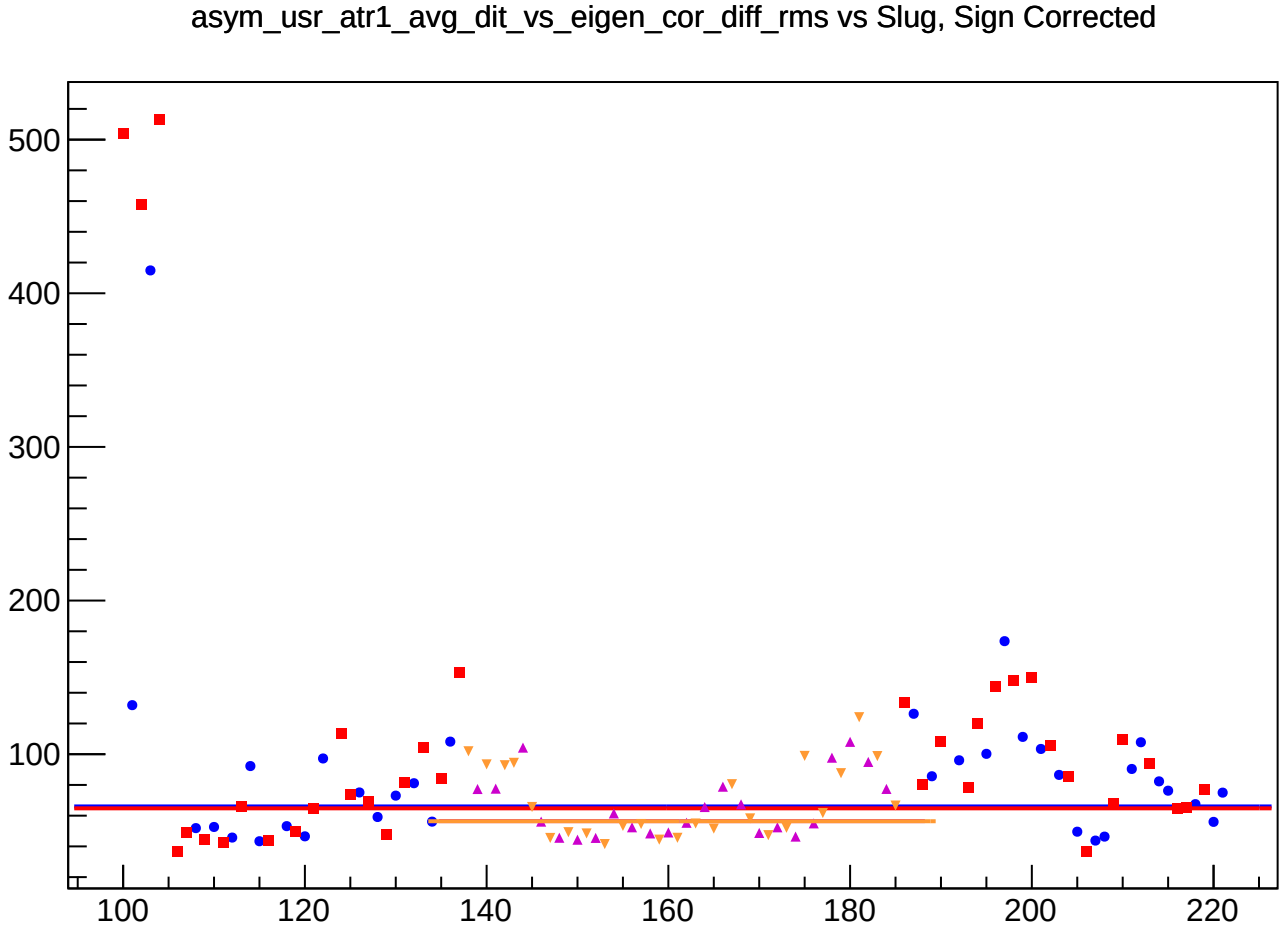
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

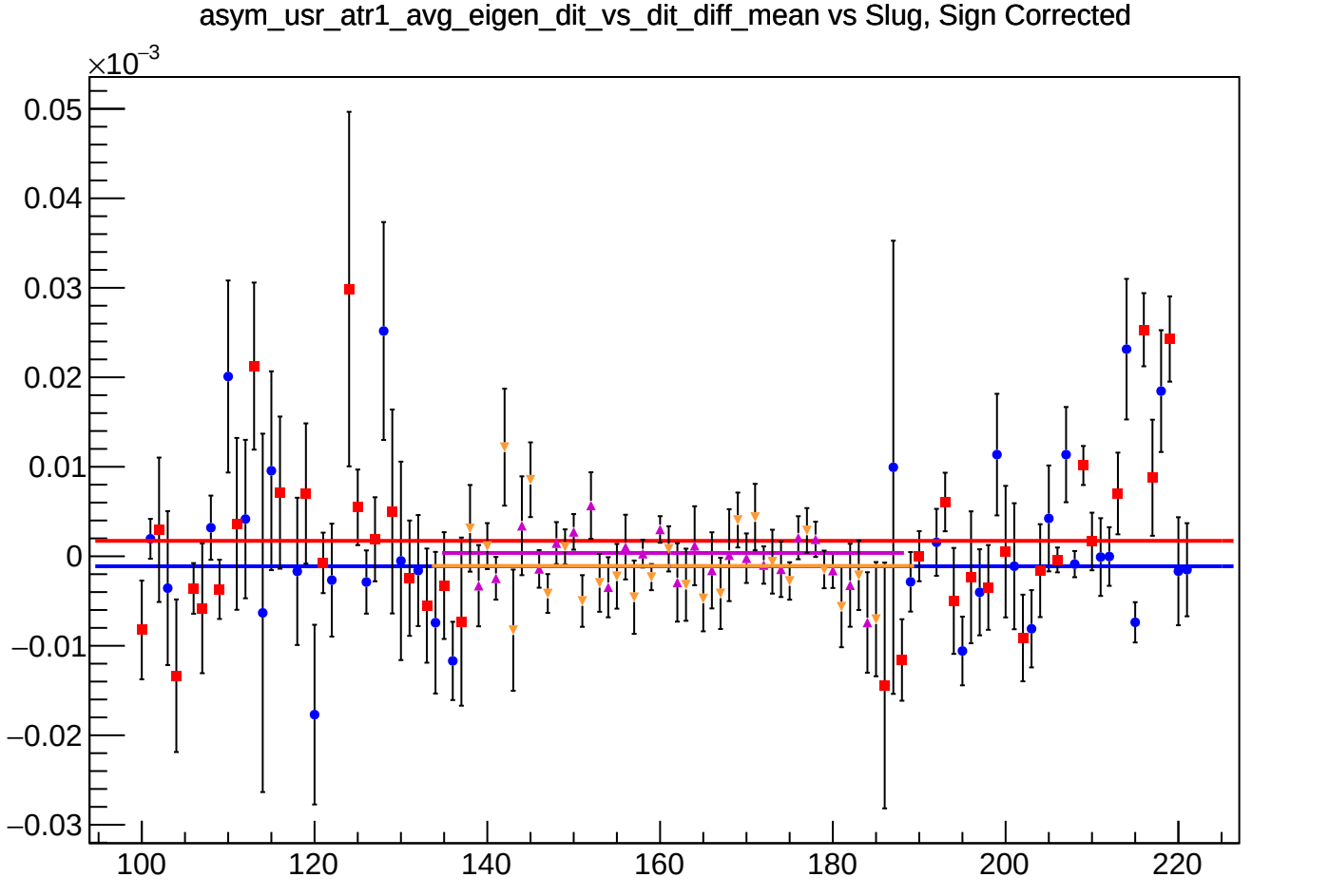
Right: 0.003+/-0.012 χ^2/NDF: 84.5/69

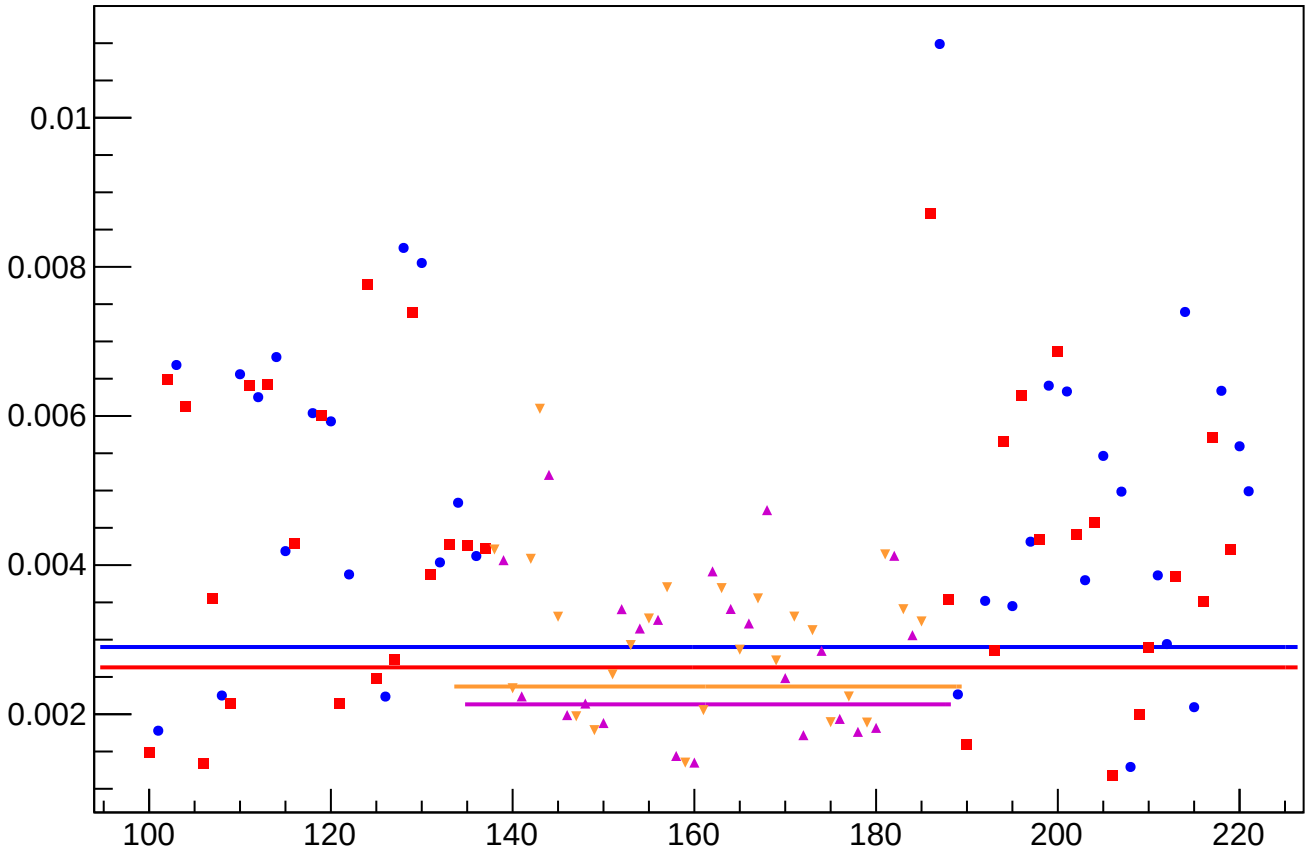
In: -0.005+/-0.011 χ^2/NDF:72.5/56

Out: -0.009+/-0.011 χ^2/NDF:65.7/60

All: -0.007+/-0.008 χ^2/NDF: 138.3/117


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
120
140
160
180
200
220
Right In: 65.999+/-0.011 χ²/NDF: 4715545.5/33
Left Out: 56.374+/-0.010 χ²/NDF:2797305.0/24
Right Out: 64.771+/-0.012 χ²/NDF: 6444803.1/35
Left In: 56.467+/-0.010 χ²/NDF:2140078.8/22
Left: 56.420+/-0.007 χ²/NDF: 4937425.9/47
Right: 65.407+/-0.008 χ²/NDF: 11165882.0/69
In: 60.701+/-0.008 χ²/NDF:7240268.6/56
Out: 59.908+/-0.008 χ²/NDF:9531748.2/60
All: 60.308+/-0.005 χ²/NDF: 16777360.0/117


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: 121.6/35
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: 198.1/69
In: -0.000+/-0.000 χ²/NDF:88.6/56
Out: 0.000+/-0.000 χ²/NDF:162.8/60
All: -0.000+/-0.000 χ²/NDF: 251.5/117



Right In: 0.003+/-0.000 χ^2/NDF: 10308016.6/33

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9934460.8/35

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

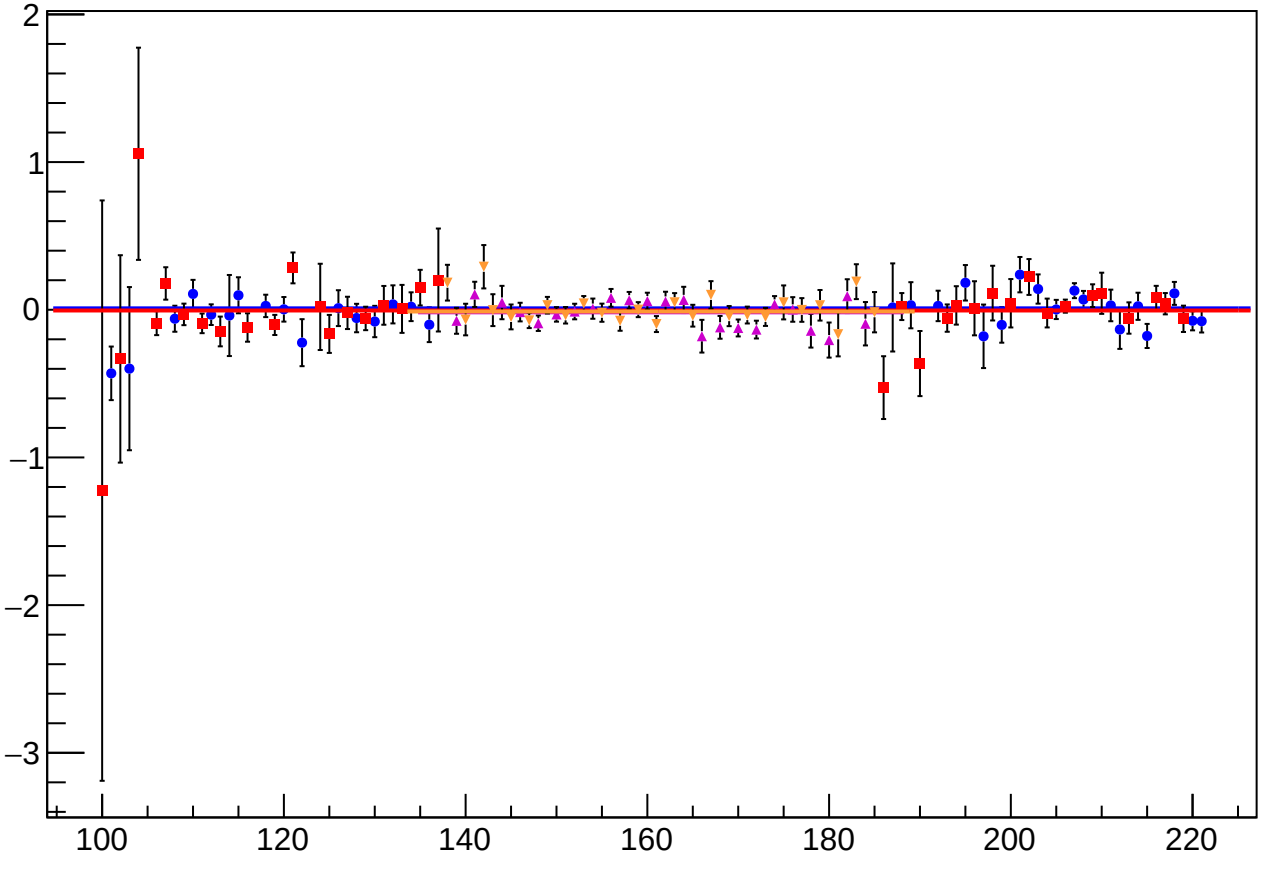
Right: 0.003+/-0.000 χ^2/NDF: 20391633.4/69

In: 0.002+/-0.000 χ^2/NDF:16285038.6/56

Out: 0.002+/-0.000 χ^2/NDF:14257802.5/60

All: 0.002+/-0.000 χ^2/NDF: 30570149.9/117

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

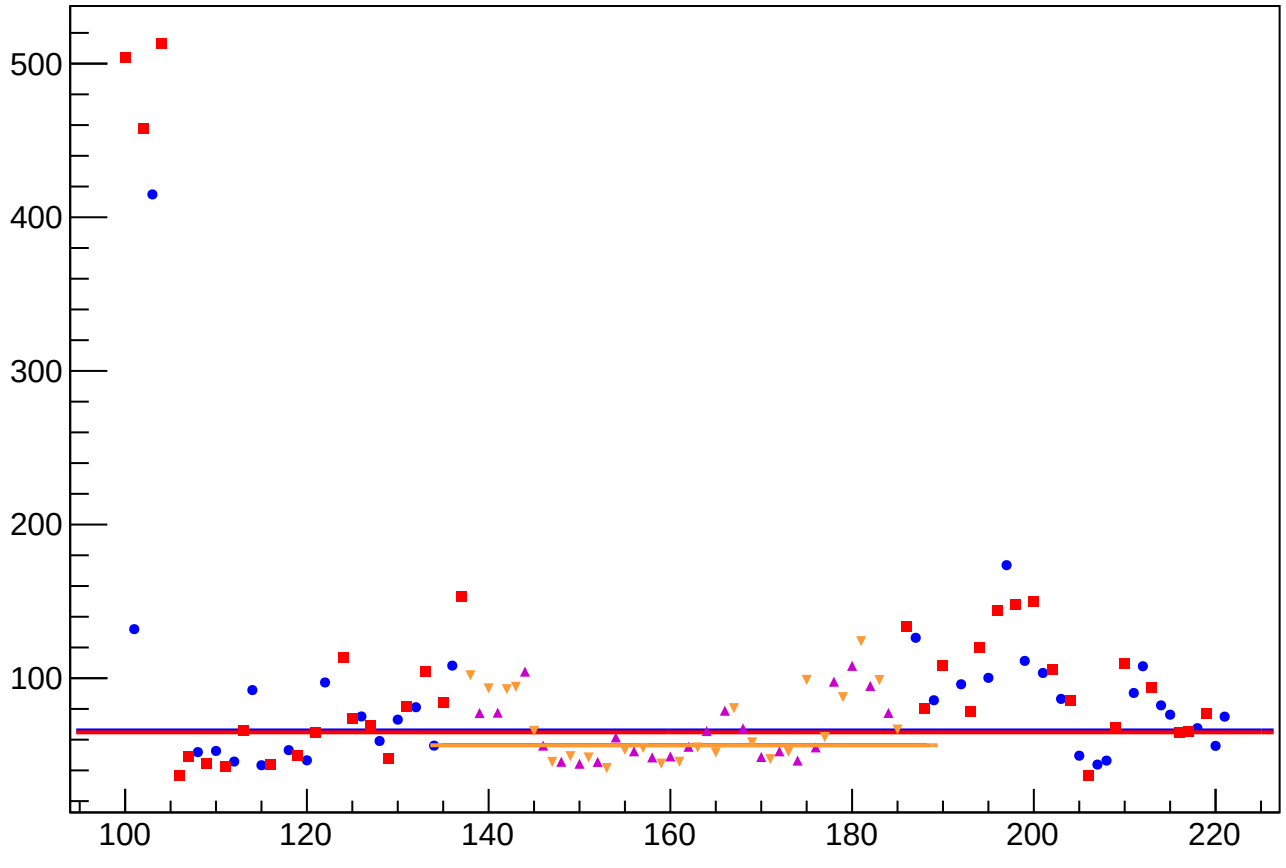
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.003+/-0.012 χ^2/NDF: 84.5/69

In: -0.005+/-0.011 χ^2/NDF:72.5/56

Out: -0.009+/-0.011 χ^2/NDF:65.7/60

All: -0.007+/-0.008 χ^2/NDF: 138.3/117



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: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

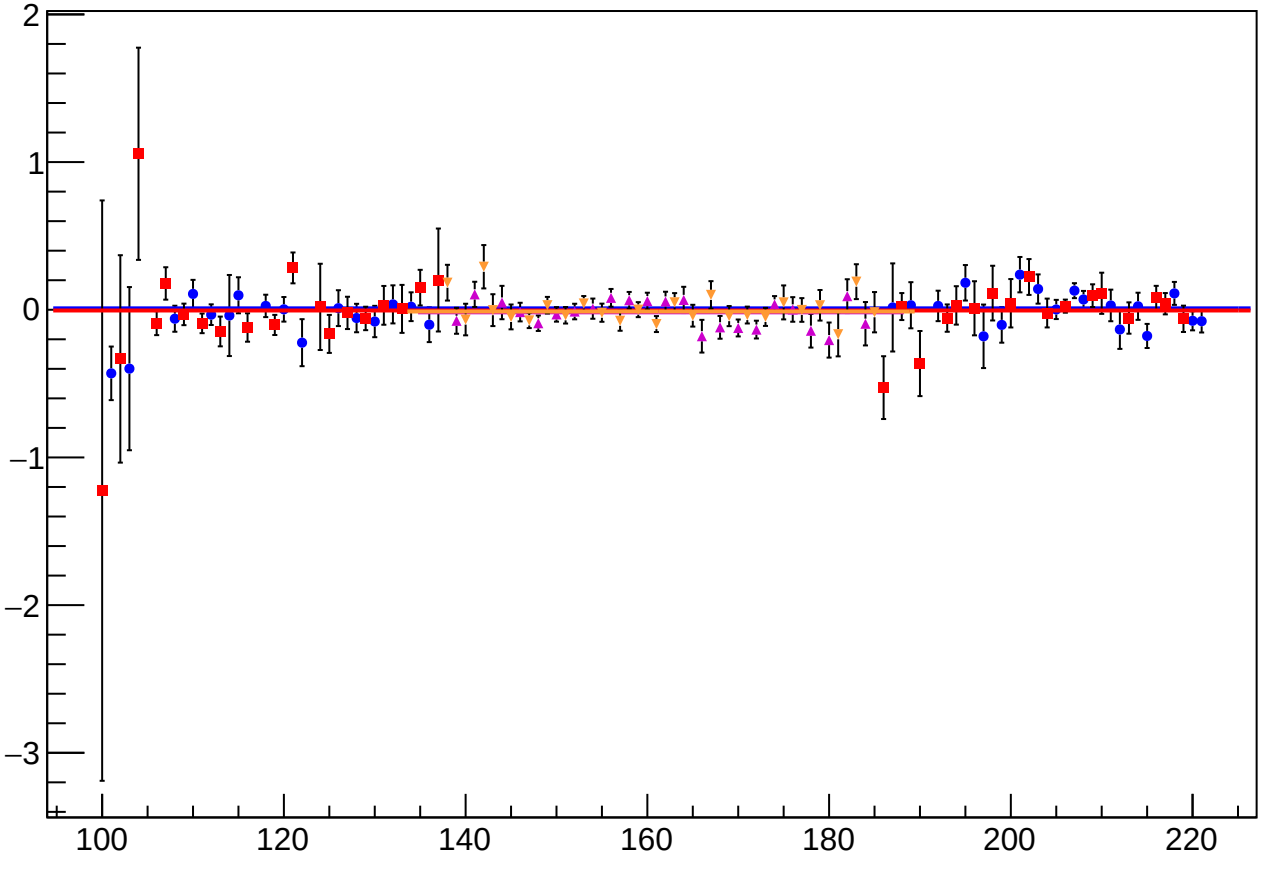
Right: 65.406+/-0.008 χ^2/NDF: 11165895.9/69

In: 60.701+/-0.008 χ^2/NDF:7240183.4/56

Out: 59.908+/-0.008 χ^2/NDF:9531821.3/60

All: 60.308+/-0.005 χ^2/NDF: 16777348.1/117

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

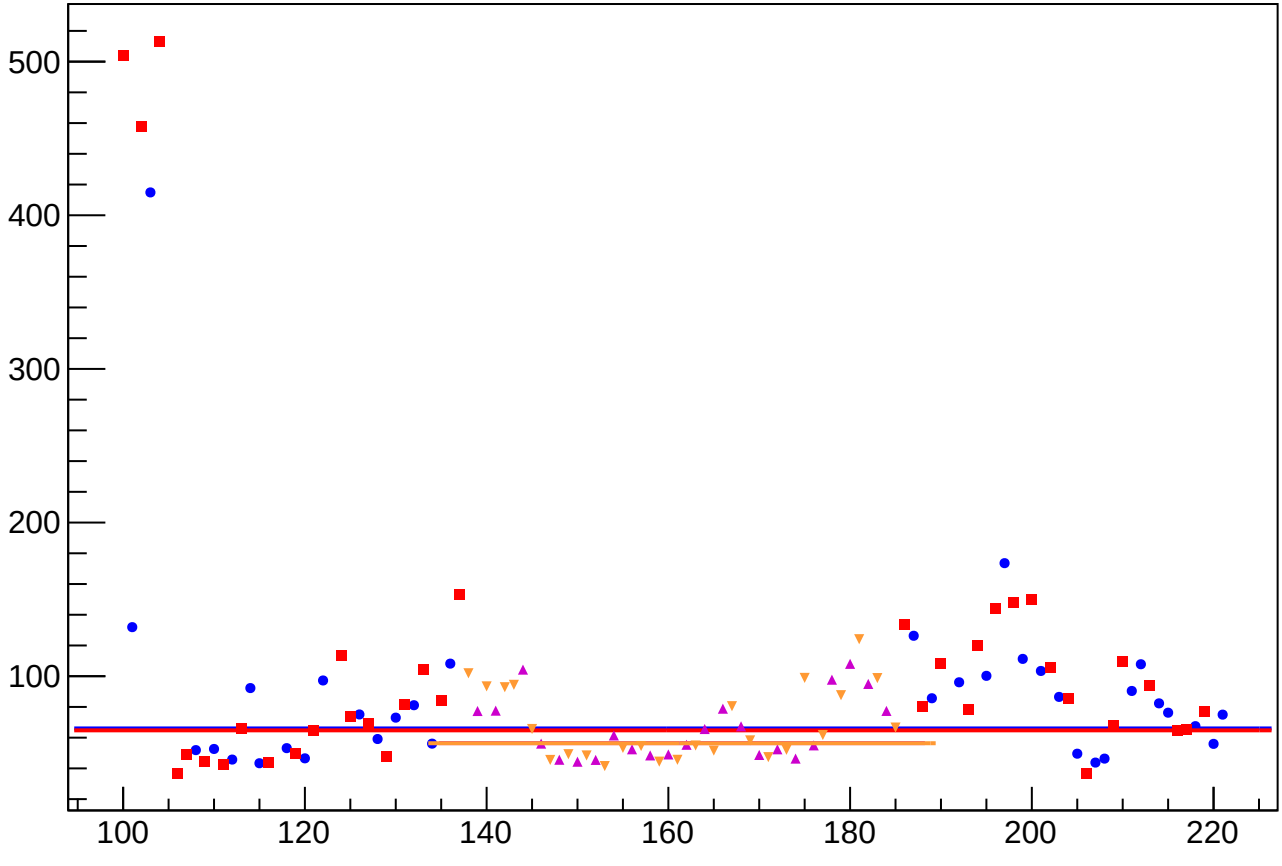
Right: 0.003+/-0.012 χ^2/NDF: 84.5/69

In: -0.005+/-0.011 χ^2/NDF:72.5/56

Out: -0.009+/-0.011 χ^2/NDF:65.7/60

All: -0.007+/-0.008 χ^2/NDF: 138.3/117

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: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

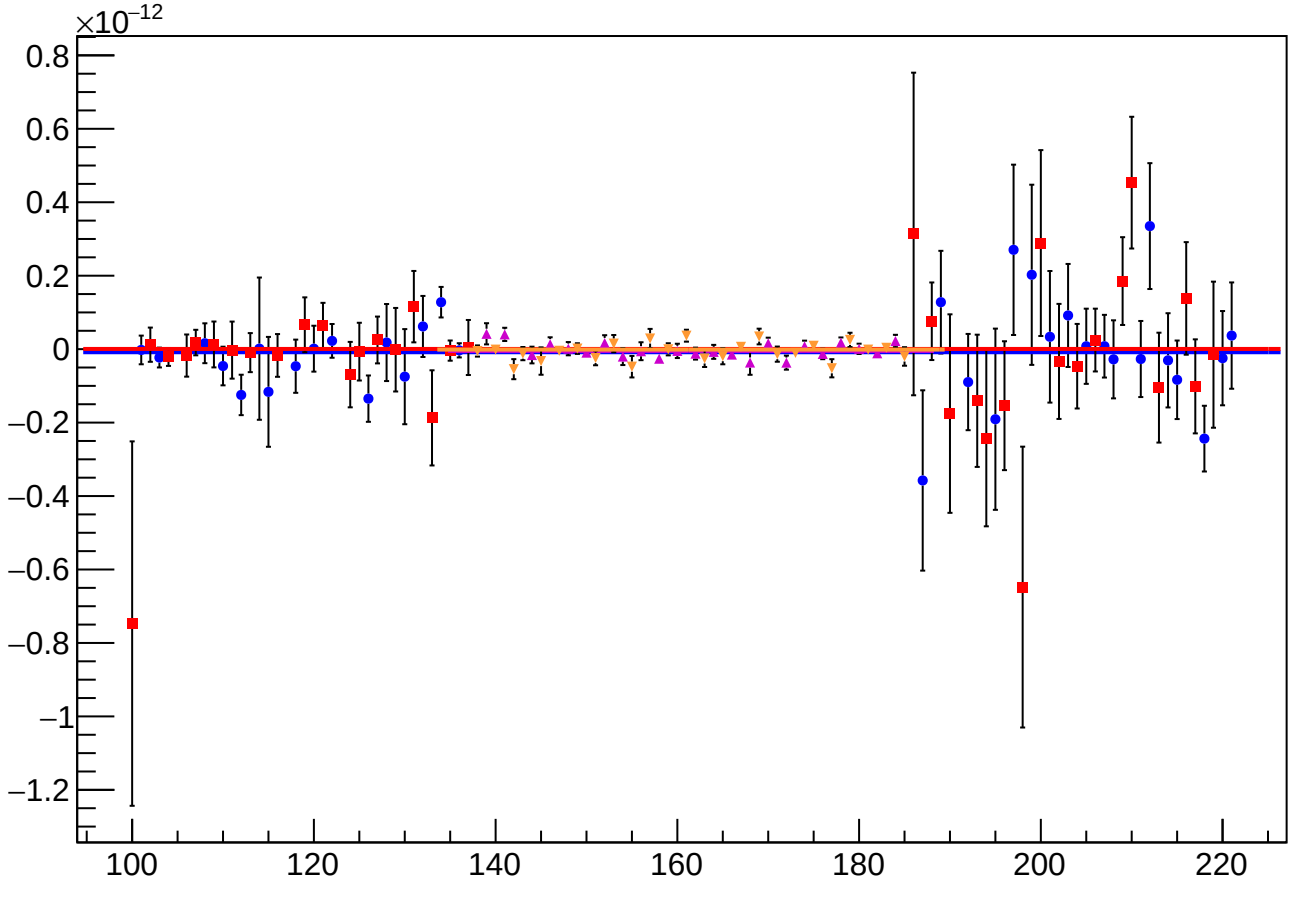
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.406+/-0.008 χ^2/NDF: 11165895.9/69

In: 60.701+/-0.008 χ^2/NDF:7240183.4/56

Out: 59.908+/-0.008 χ^2/NDF:9531821.3/60

All: 60.308+/-0.005 χ^2/NDF: 16777348.1/117



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: 28.8/35

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

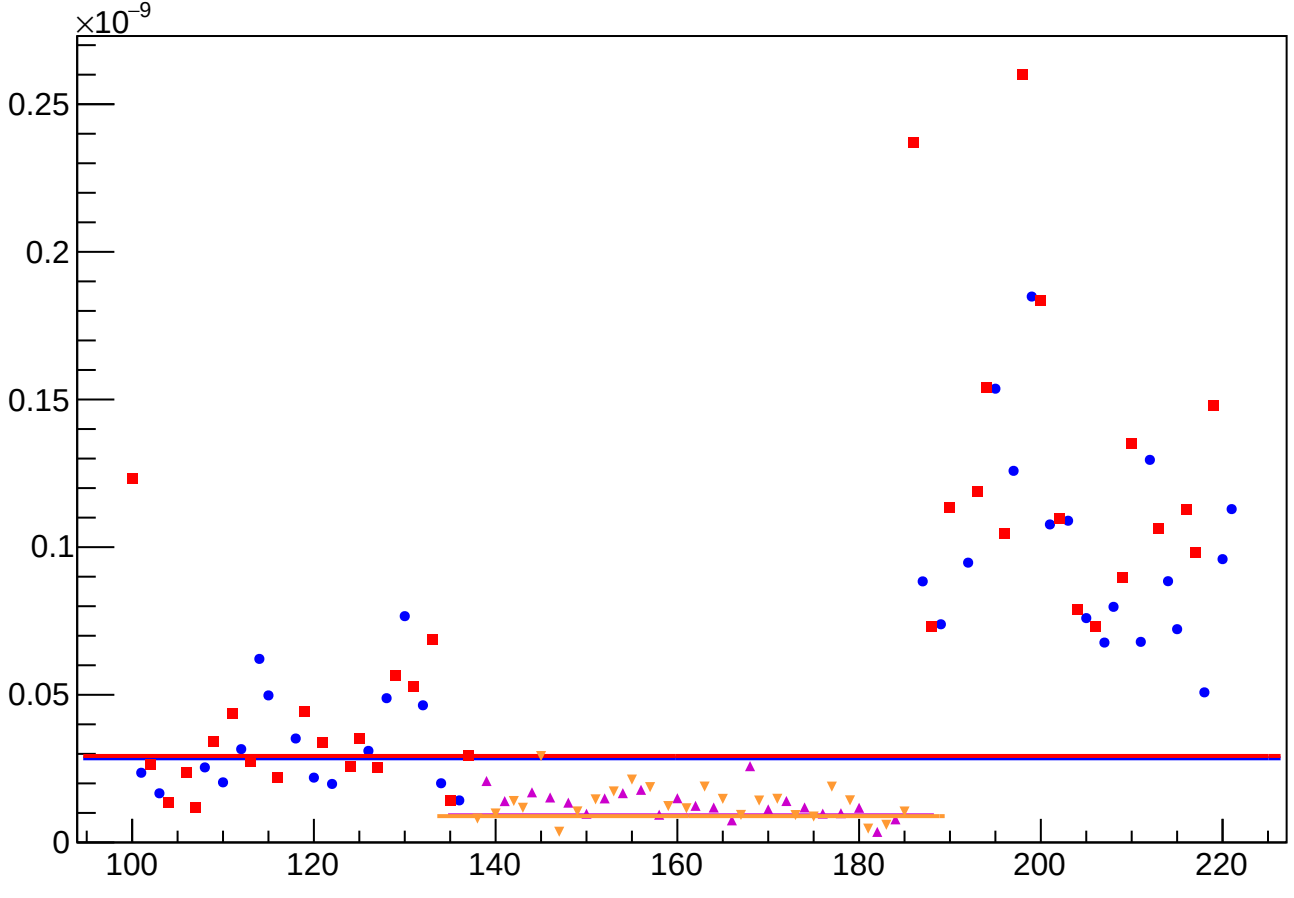
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 70.1/69

In: -0.000+/-0.000 χ^2/NDF:69.5/56

Out: -0.000+/-0.000 χ^2/NDF:58.4/60

All: -0.000+/-0.000 χ^2/NDF: 128.9/117



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: 11593462.1/35

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

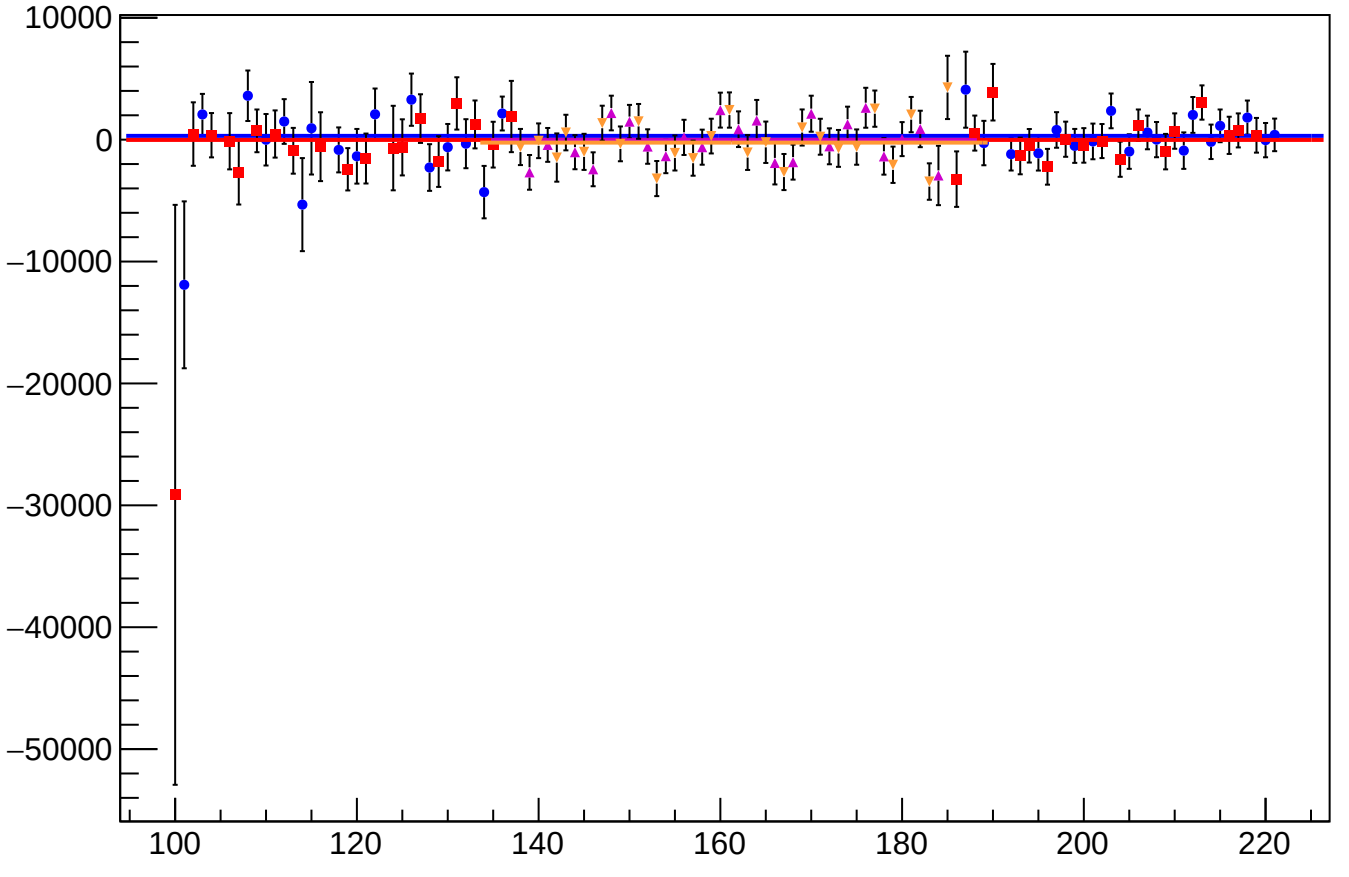
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 21906485.2/69

In: 0.000+/-0.000 χ^2/NDF:21560618.1/56

Out: 0.000+/-0.000 χ^2/NDF:22724158.2/60

All: 0.000+/-0.000 χ^2/NDF: 44308575.2/117



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: -20.853+/-291.825 χ^2/NDF: 26.2/35

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

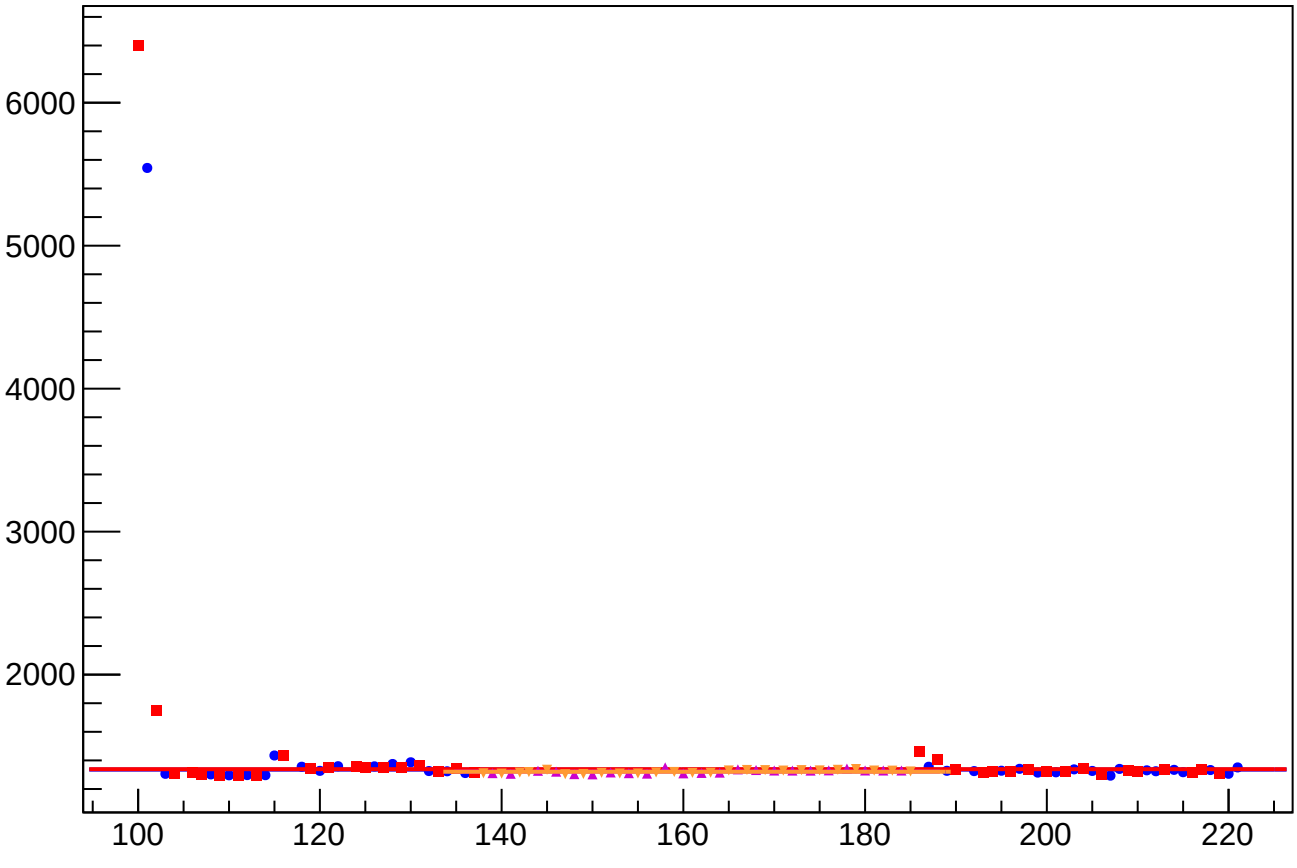
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: 148.068+/-204.496 χ^2/NDF: 59.5/69

In: 148.872+/-210.029 χ^2/NDF:60.4/56

Out: -127.822+/-209.185 χ^2/NDF:58.2/60

All: 9.967+/-148.214 χ^2/NDF: 119.5/117



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: 1338.607+/-0.206 χ^2/NDF: 163454.8/35

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

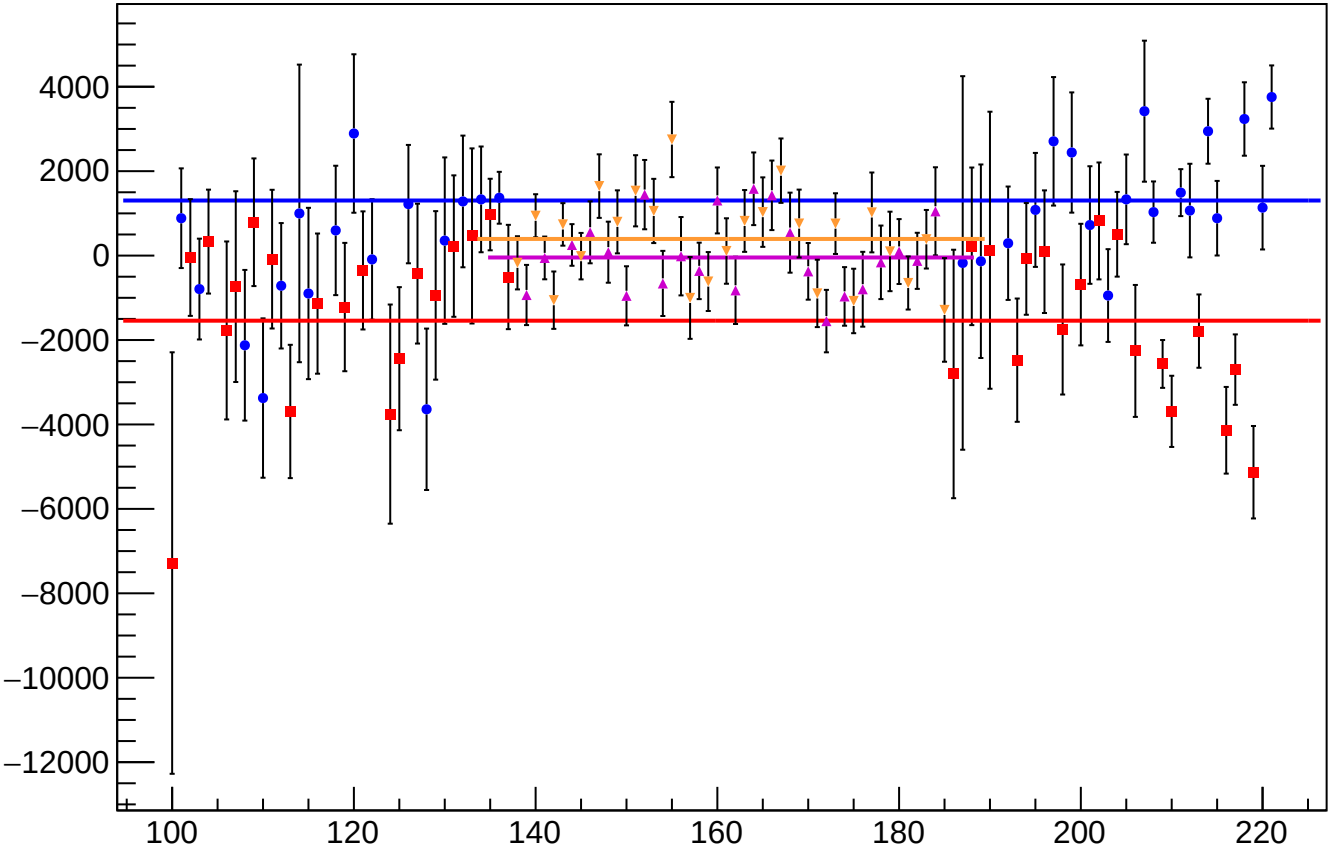
Right: 1337.123+/-0.145 χ^2/NDF: 931778.6/69

In: 1329.249+/-0.149 χ^2/NDF:773956.1/56

Out: 1329.921+/-0.148 χ^2/NDF:169702.0/60

All: 1329.586+/-0.105 χ^2/NDF: 943668.3/117

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



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: -1541.913+/-214.112 χ^2/NDF: 64.7/35

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

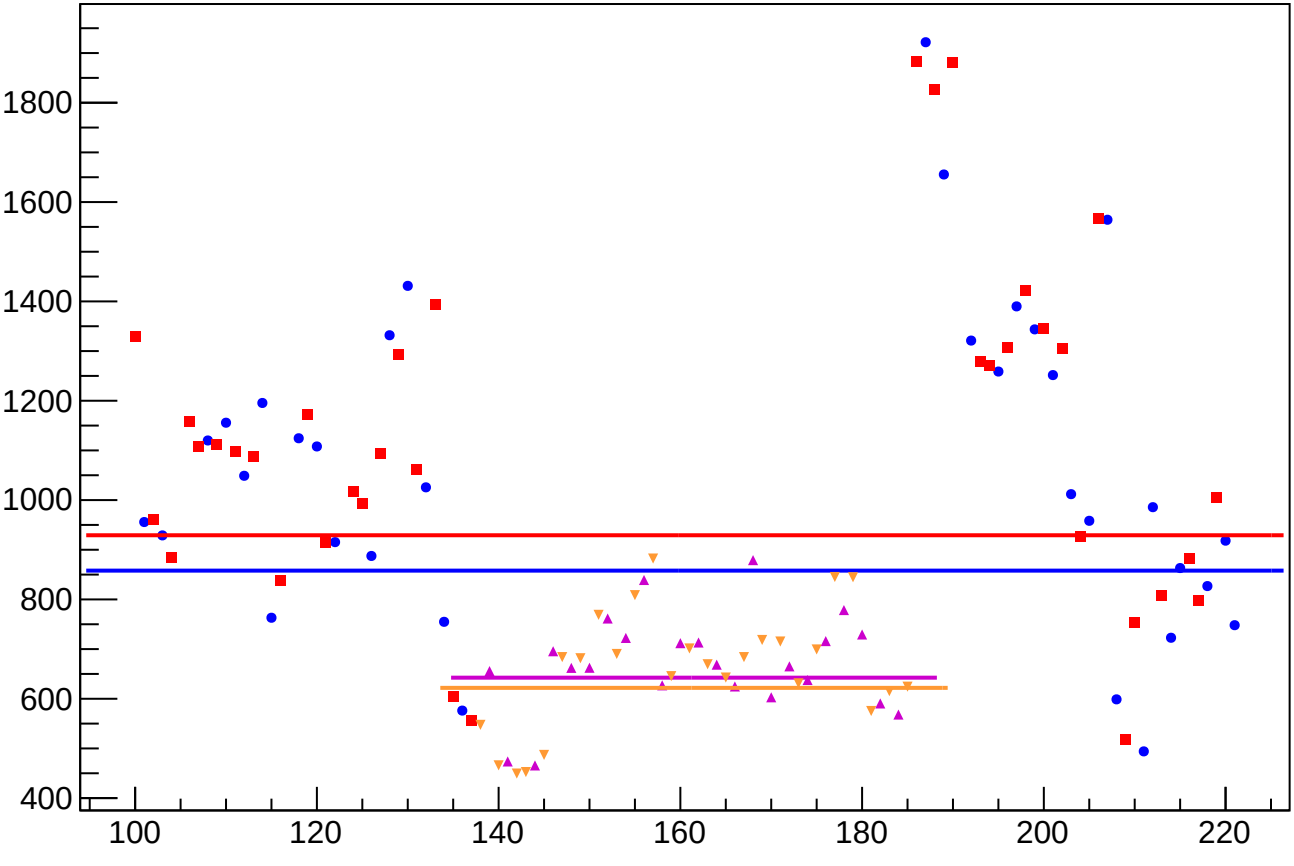
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 22.982+/-143.677 χ^2/NDF: 216.1/69

In: 470.691+/-119.760 χ^2/NDF:111.8/56

Out: -211.793+/-119.810 χ^2/NDF:162.7/60

All: 129.592+/-84.701 χ^2/NDF: 290.8/117



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: 929.196+/-0.151 χ^2/NDF: 4179403.0/35

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

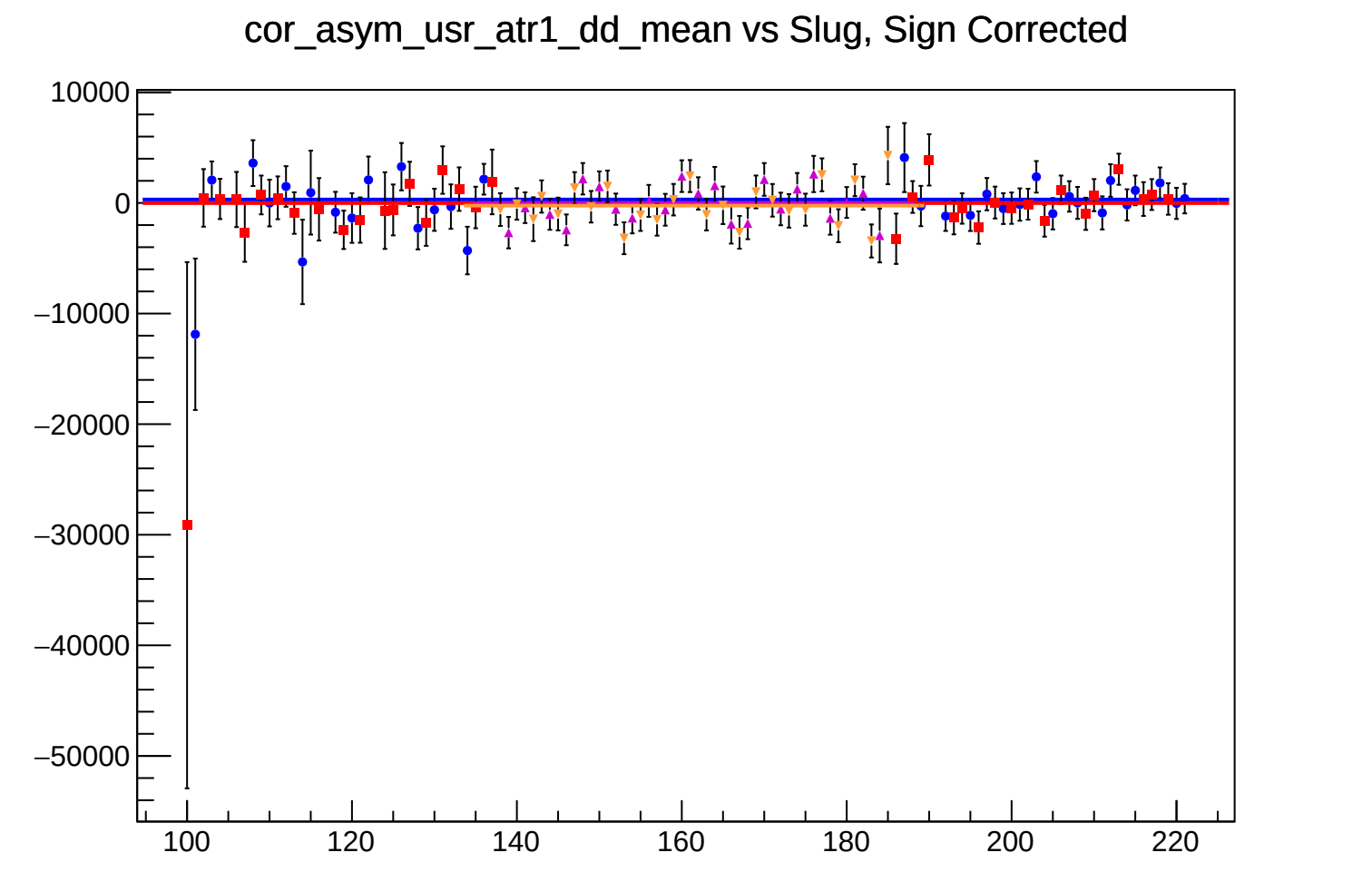
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 890.051+/-0.102 χ^2/NDF: 8396490.2/69

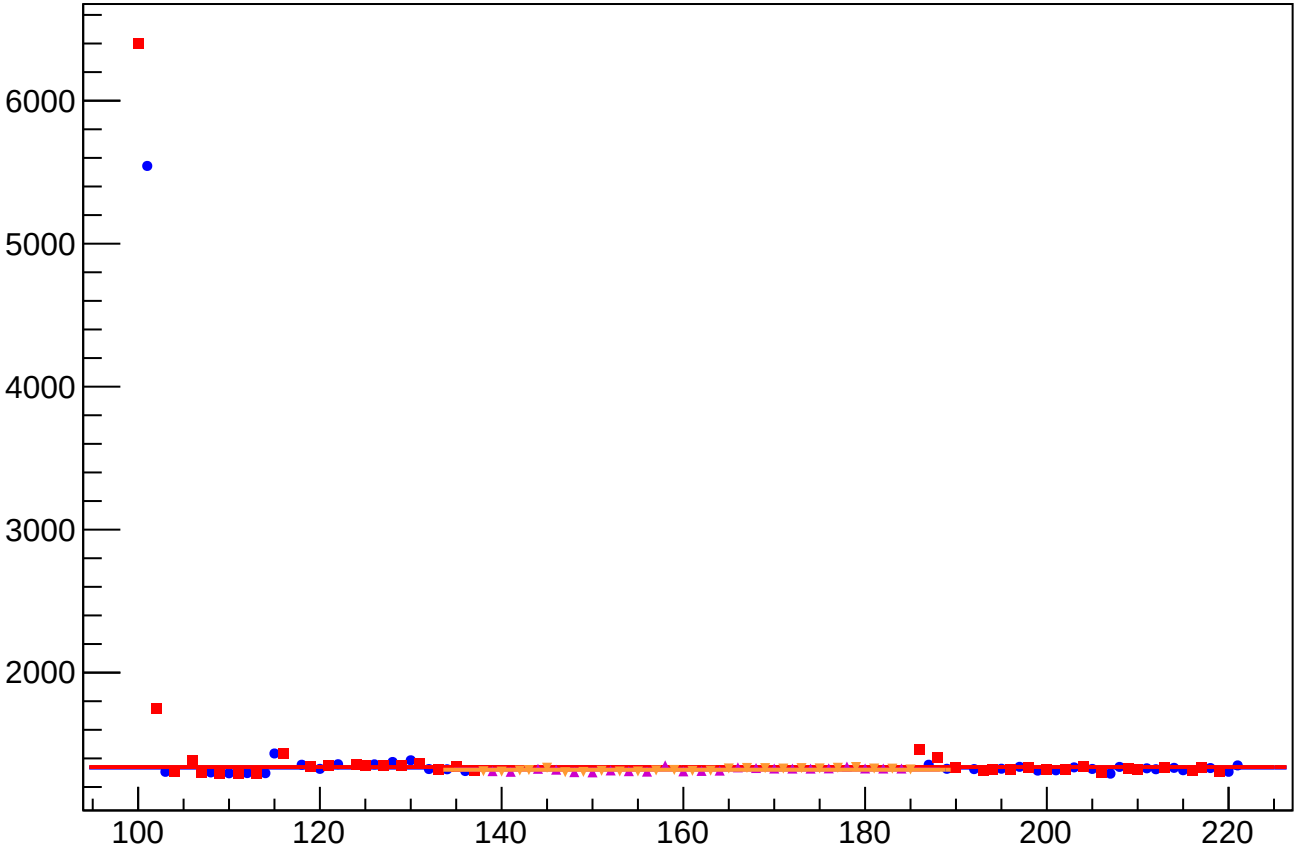
In: 724.781+/-0.085 χ^2/NDF:6550706.5/56

Out: 718.154+/-0.085 χ^2/NDF:8391679.3/60

All: 721.469+/-0.060 χ^2/NDF: 14945446.1/1


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: -14.620+/-292.162 χ²/NDF: 26.2/35
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 151.384+/-204.612 χ²/NDF: 59.5/69
In: 148.910+/-210.029 χ²/NDF:60.4/56
Out: -124.751+/-209.309 χ²/NDF:58.3/60
All: 11.609+/-148.258 χ²/NDF: 119.5/117

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: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

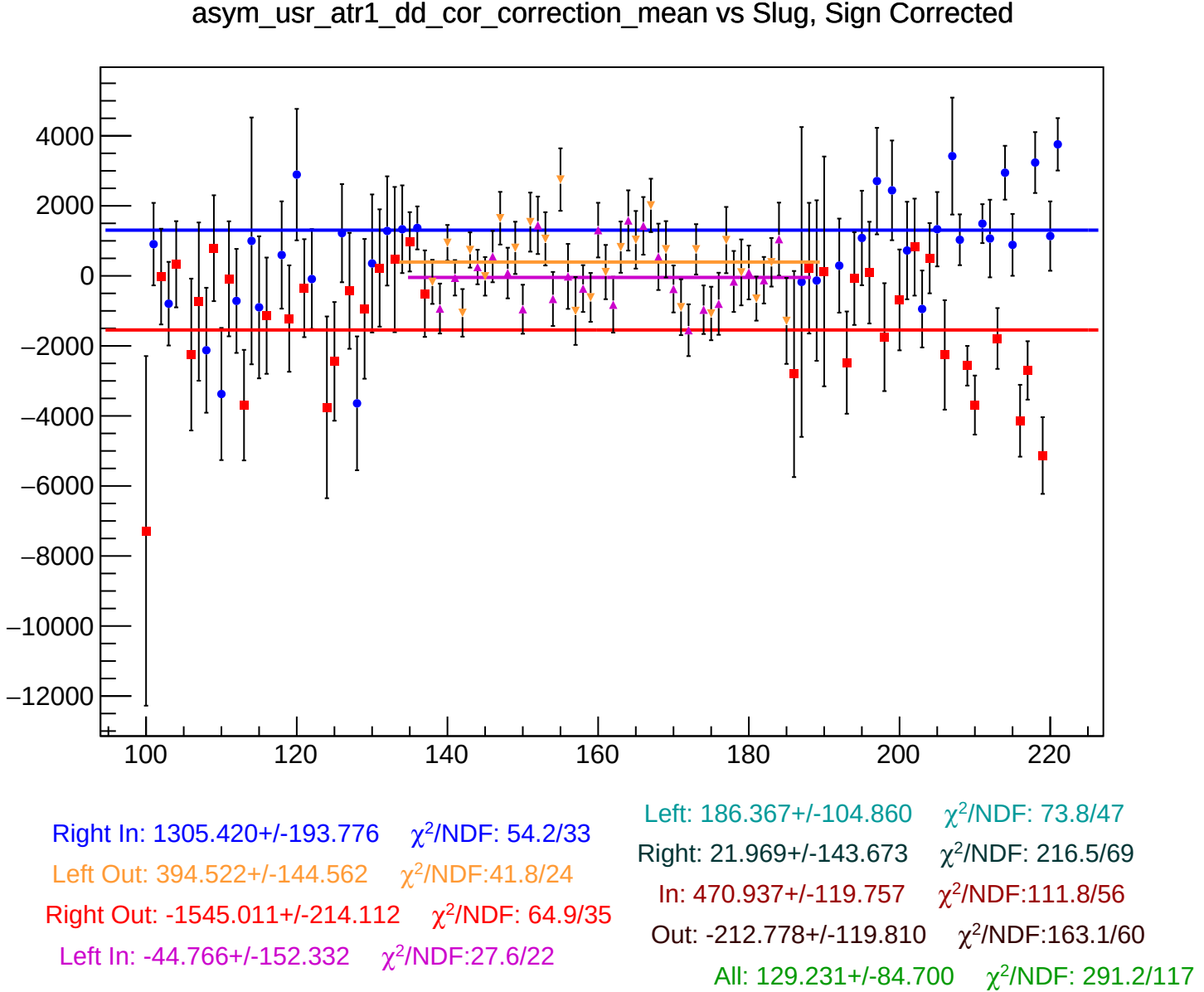
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

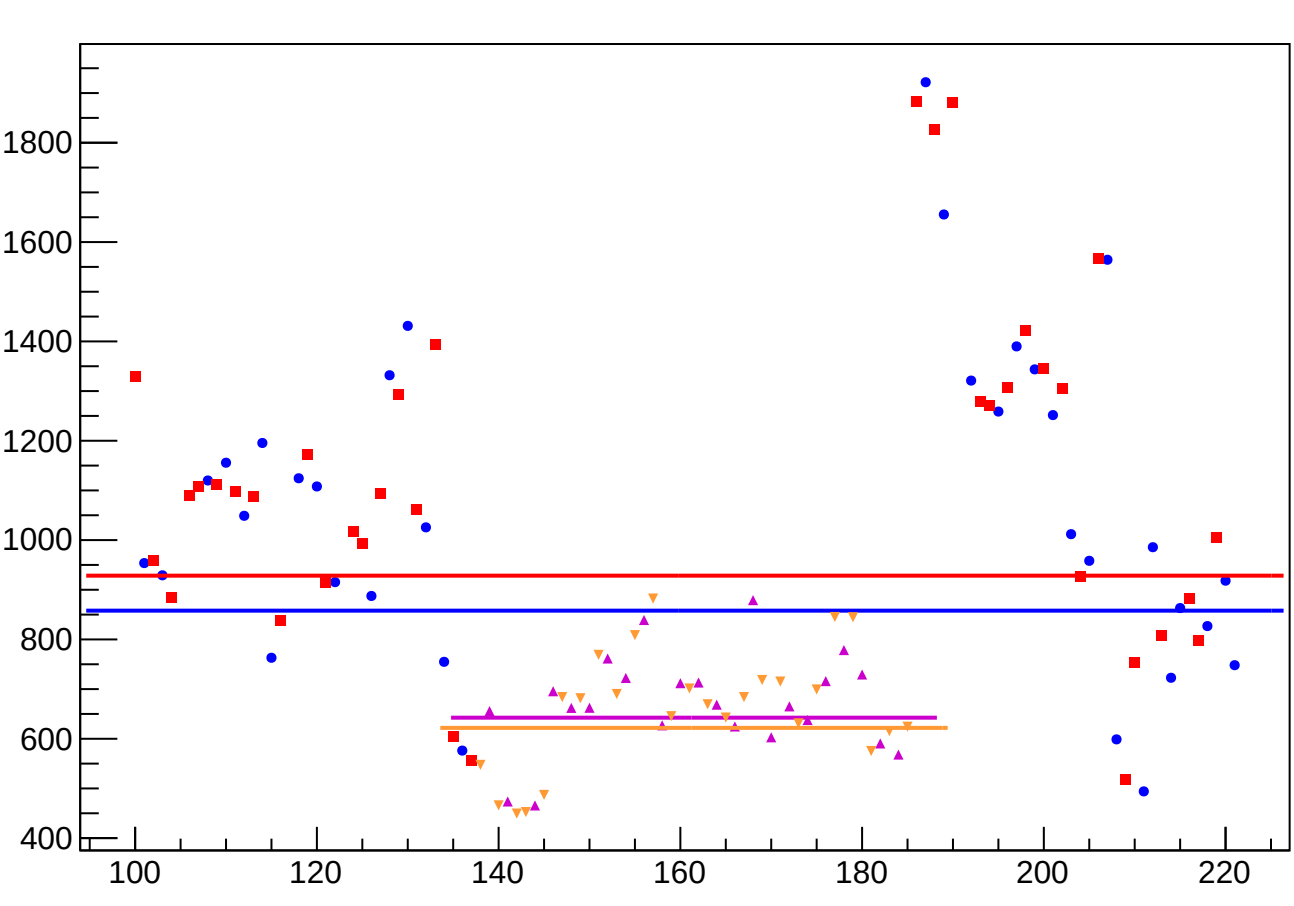
Right: 1337.625+/-0.145 χ^2/NDF: 932478.6/69

In: 1329.249+/-0.149 χ^2/NDF:773955.1/56

Out: 1330.437+/-0.148 χ^2/NDF:170745.2/60

All: 1329.845+/-0.105 χ^2/NDF: 944732.3/117


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 1305.420+/-193.776 χ²/NDF: 54.2/33
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -1545.011+/-214.112 χ²/NDF: 64.9/35
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: 21.969+/-143.673 χ²/NDF: 216.5/69
In: 470.937+/-119.757 χ²/NDF:111.8/56
Out: -212.778+/-119.810 χ²/NDF:163.1/60
All: 129.231+/-84.700 χ²/NDF: 291.2/117



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: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

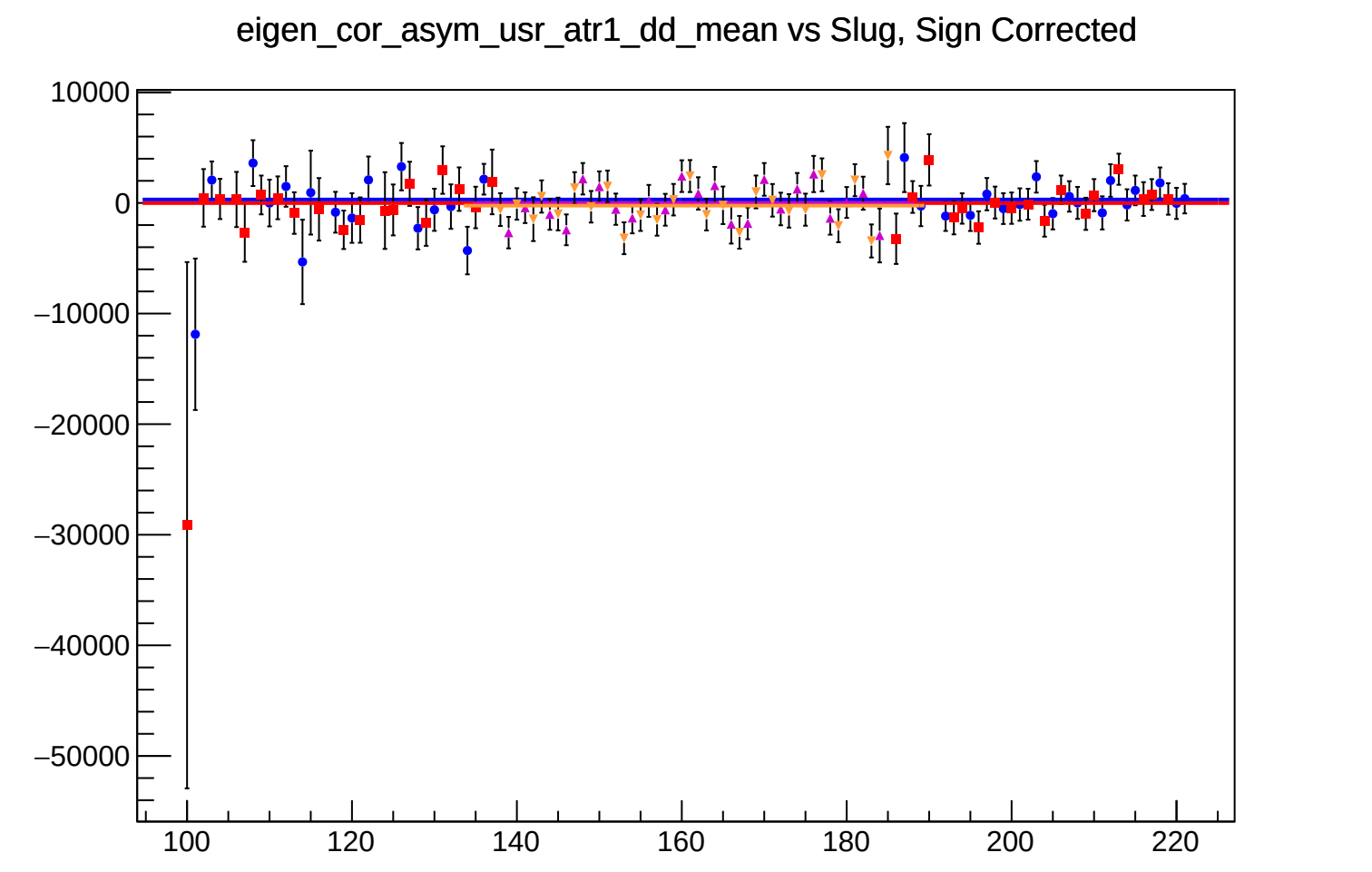
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

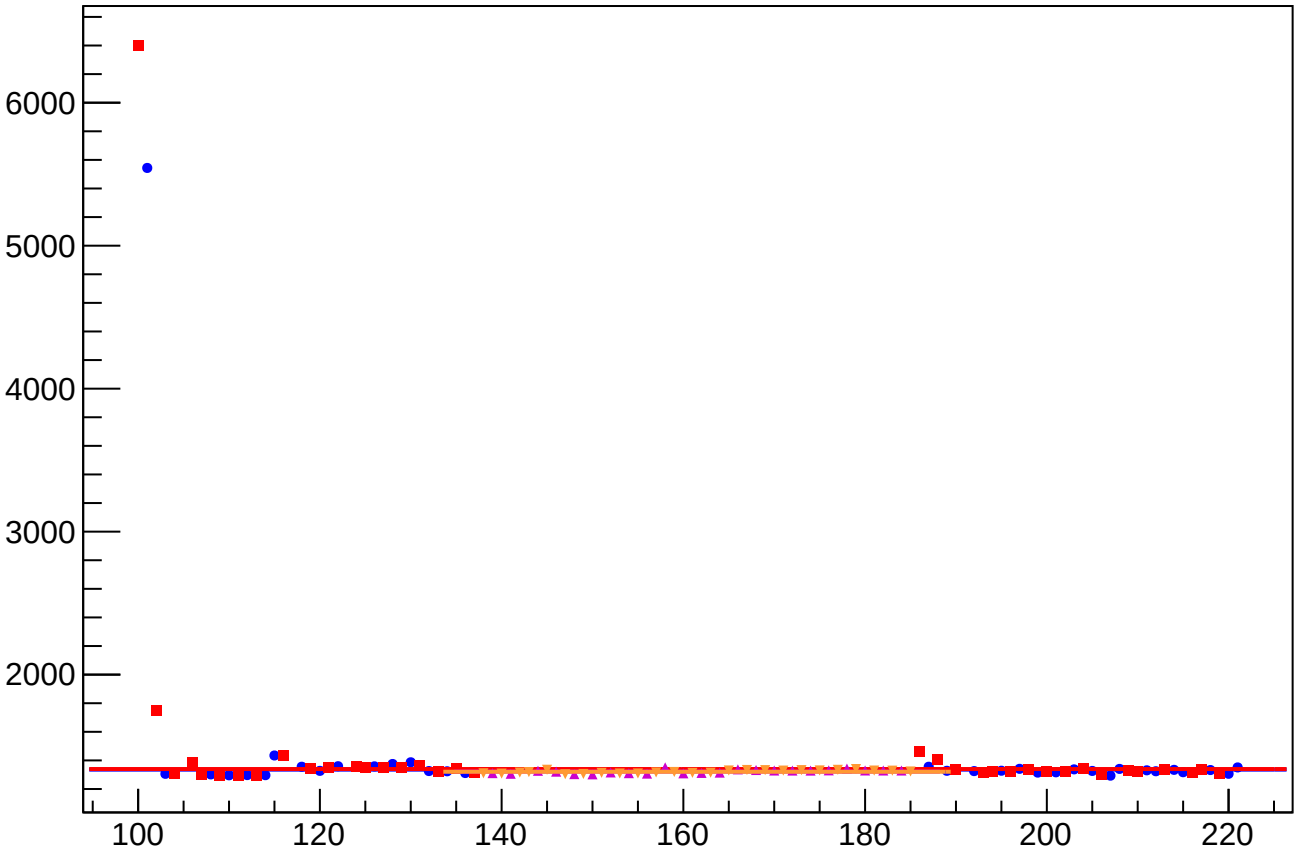
Right: 889.660+/-0.102 χ^2/NDF: 8381011.7/69

In: 724.767+/-0.085 χ^2/NDF:6549915.1/56

Out: 717.900+/-0.085 χ^2/NDF:8364183.6/60

All: 721.335+/-0.060 χ^2/NDF: 14917384.8/1


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: -14.620+/-292.162 χ²/NDF: 26.2/35
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 151.384+/-204.612 χ²/NDF: 59.5/69
In: 148.910+/-210.029 χ²/NDF:60.4/56
Out: -124.751+/-209.309 χ²/NDF:58.3/60
All: 11.609+/-148.258 χ²/NDF: 119.5/117



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: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

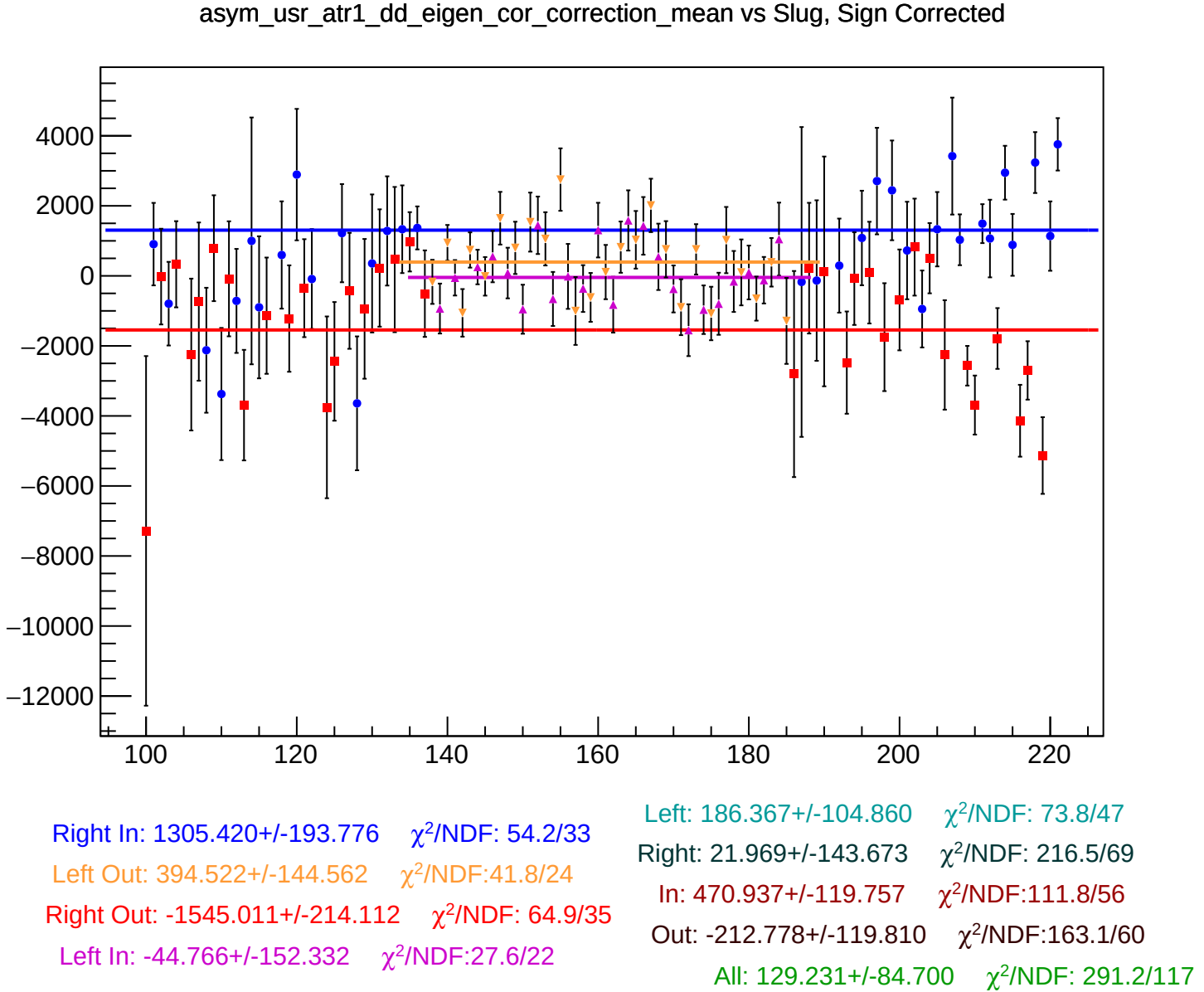
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.625+/-0.145 χ^2/NDF: 932478.6/69

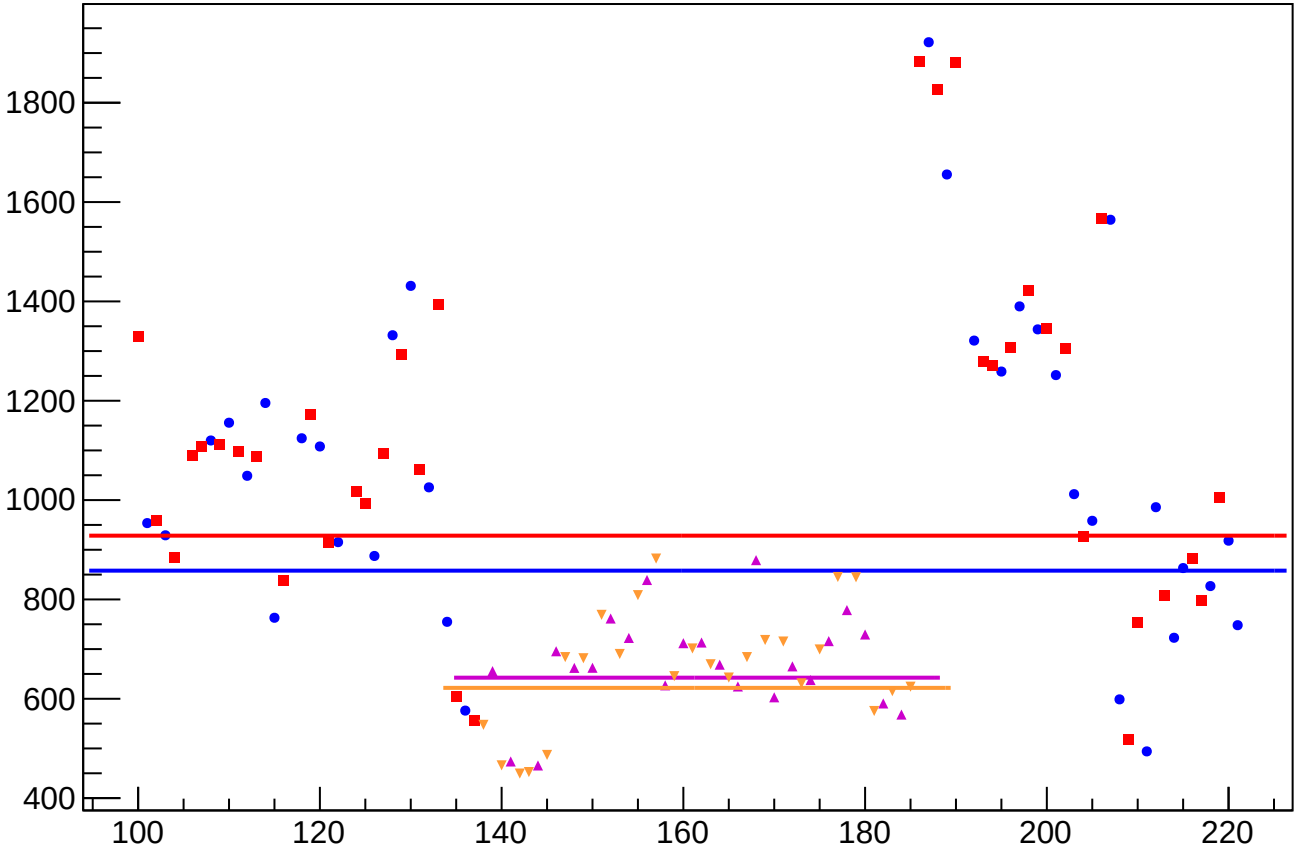
In: 1329.249+/-0.149 χ^2/NDF:773955.1/56

Out: 1330.437+/-0.148 χ^2/NDF:170745.2/60

All: 1329.845+/-0.105 χ^2/NDF: 944732.3/117


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 1305.420+/-193.776 χ²/NDF: 54.2/33
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -1545.011+/-214.112 χ²/NDF: 64.9/35
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: 21.969+/-143.673 χ²/NDF: 216.5/69
In: 470.937+/-119.757 χ²/NDF:111.8/56
Out: -212.778+/-119.810 χ²/NDF:163.1/60
All: 129.231+/-84.700 χ²/NDF: 291.2/117

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

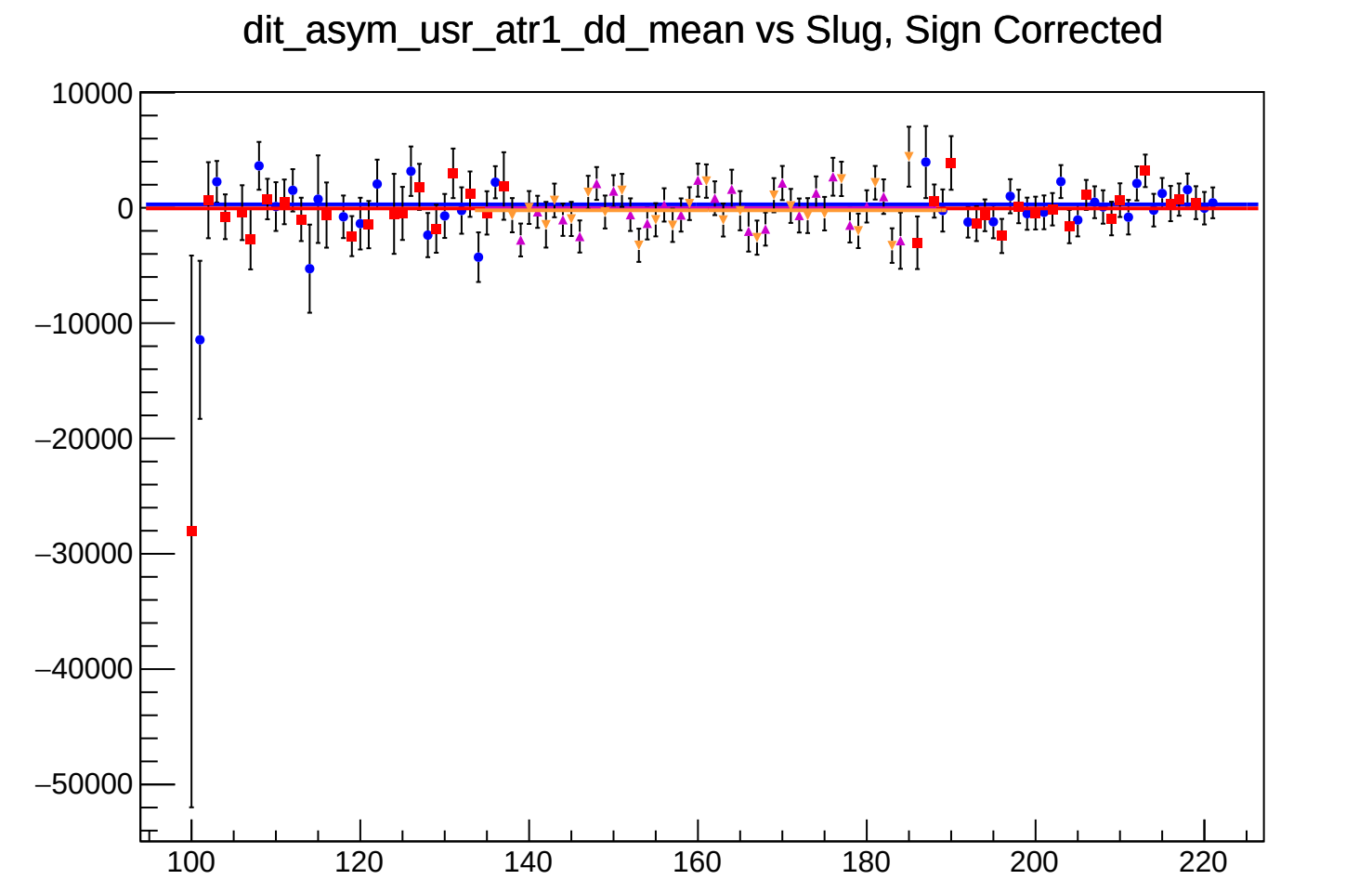
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 889.660+/-0.102 χ^2/NDF: 8381011.7/69

In: 724.767+/-0.085 χ^2/NDF:6549915.1/56

Out: 717.900+/-0.085 χ^2/NDF:8364183.6/60

All: 721.335+/-0.060 χ^2/NDF: 14917384.8/1



Right In: 297.385+/-287.713 χ^2/NDF: 32.5/33

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -54.270+/-293.833 χ^2/NDF: 27.0/35

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

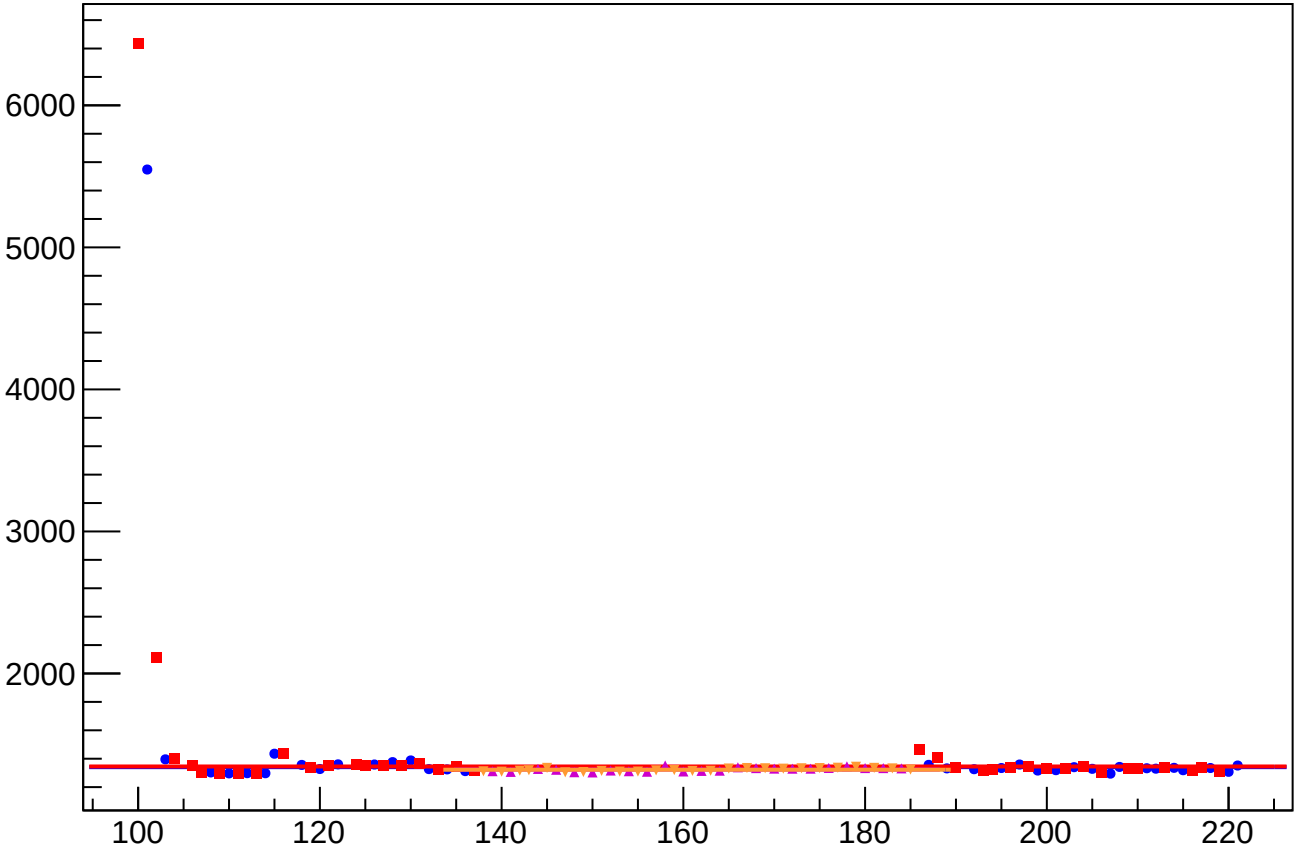
Right: 125.258+/-205.573 χ^2/NDF: 60.2/69

In: 135.948+/-210.563 χ^2/NDF:61.0/56

Out: -132.881+/-210.047 χ^2/NDF:58.4/60

All: 1.204+/-148.708 χ^2/NDF: 120.2/117

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: 1345.301+/-0.208 χ^2/NDF: 222589.4/35

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

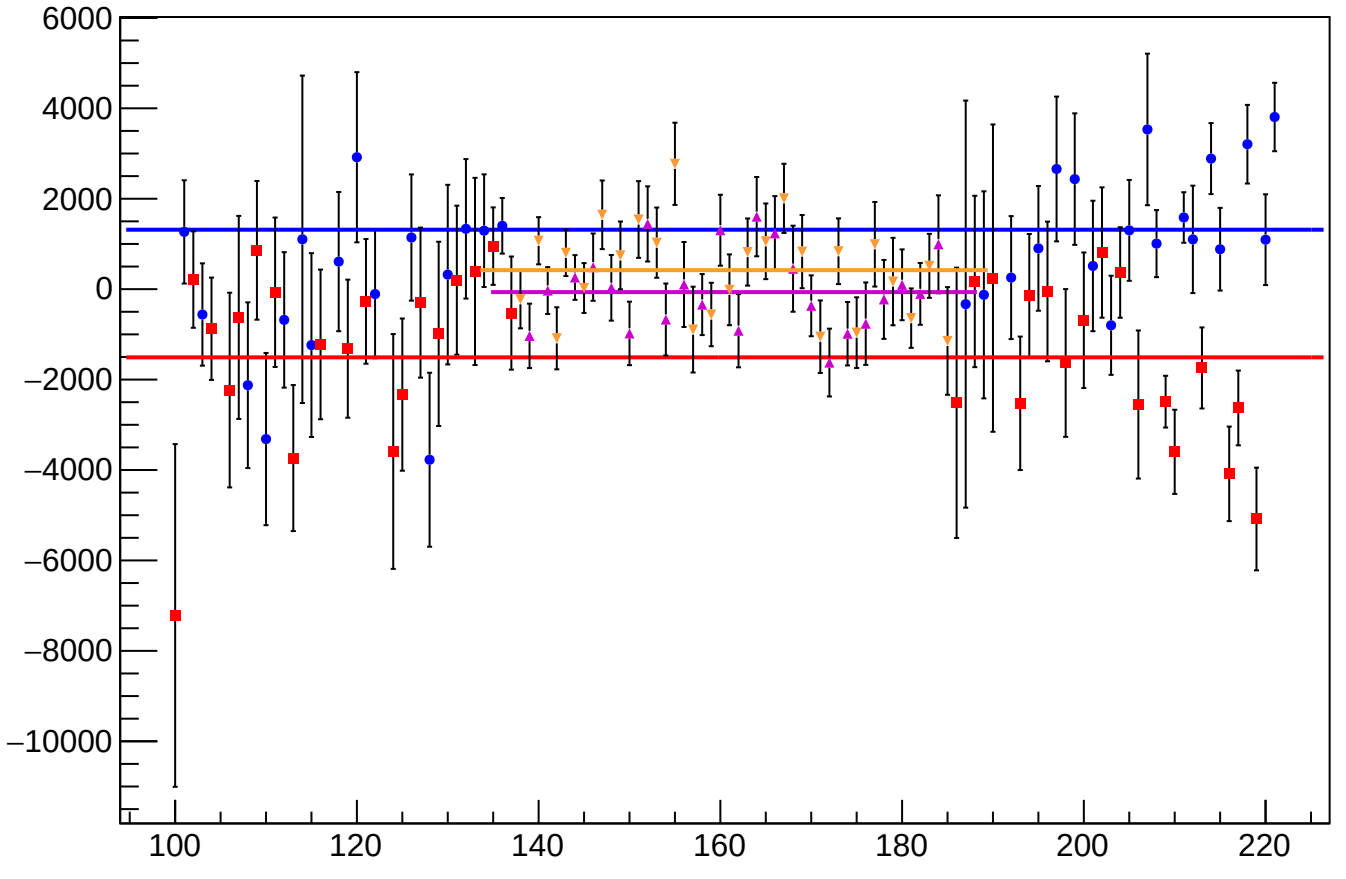
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1342.913+/-0.145 χ^2/NDF: 992252.2/69

In: 1332.596+/-0.149 χ^2/NDF:776612.7/56

Out: 1334.087+/-0.149 χ^2/NDF:231478.0/60

All: 1333.343+/-0.105 χ^2/NDF: 1008141.1/11



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: -1508.318+/-215.567 χ^2/NDF: 59.8/35

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

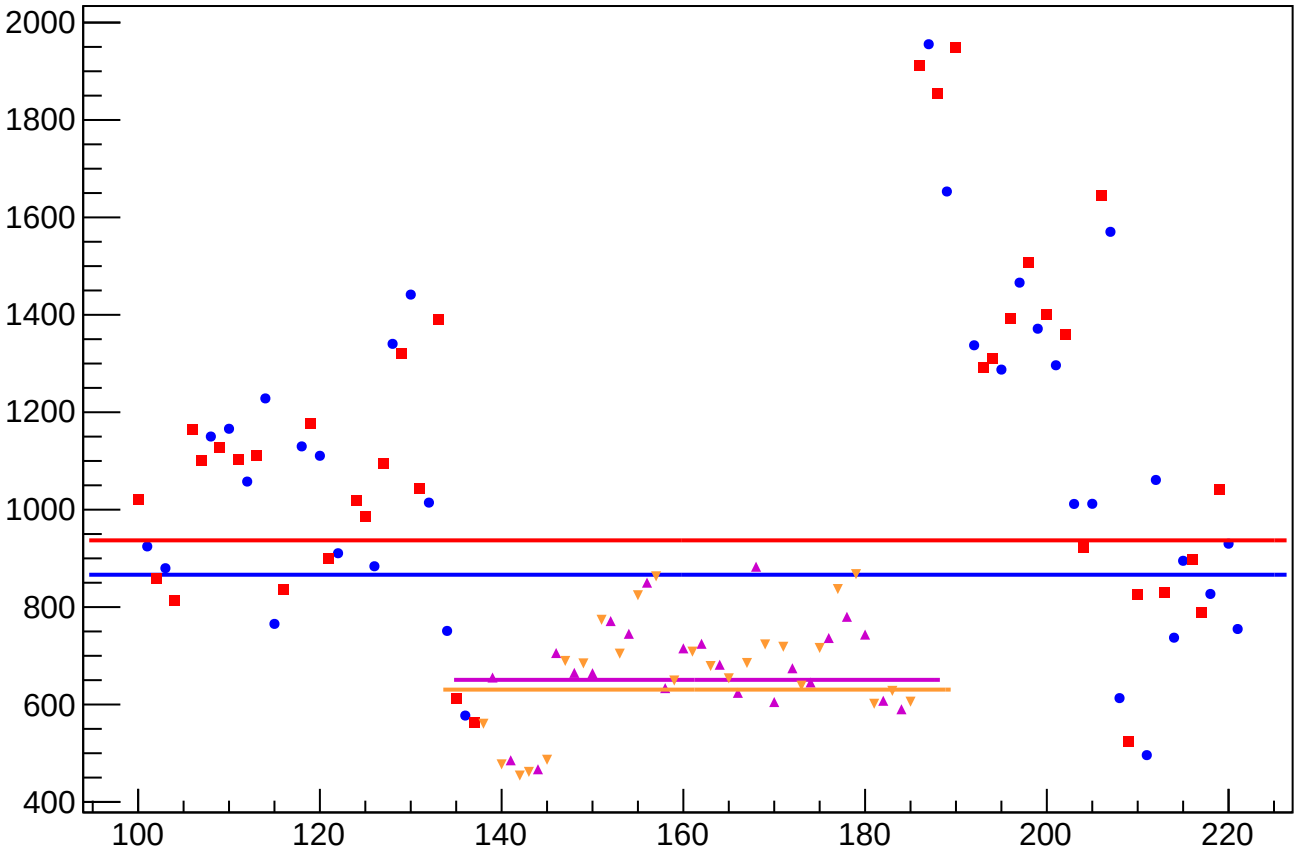
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 38.313+/-144.952 χ^2/NDF: 207.1/69

In: 462.910+/-121.163 χ^2/NDF:111.1/56

Out: -188.938+/-121.131 χ^2/NDF:156.1/60

All: 136.898+/-85.664 χ^2/NDF: 281.6/117



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: 937.009+/-0.152 χ^2/NDF: 4331499.7/35

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

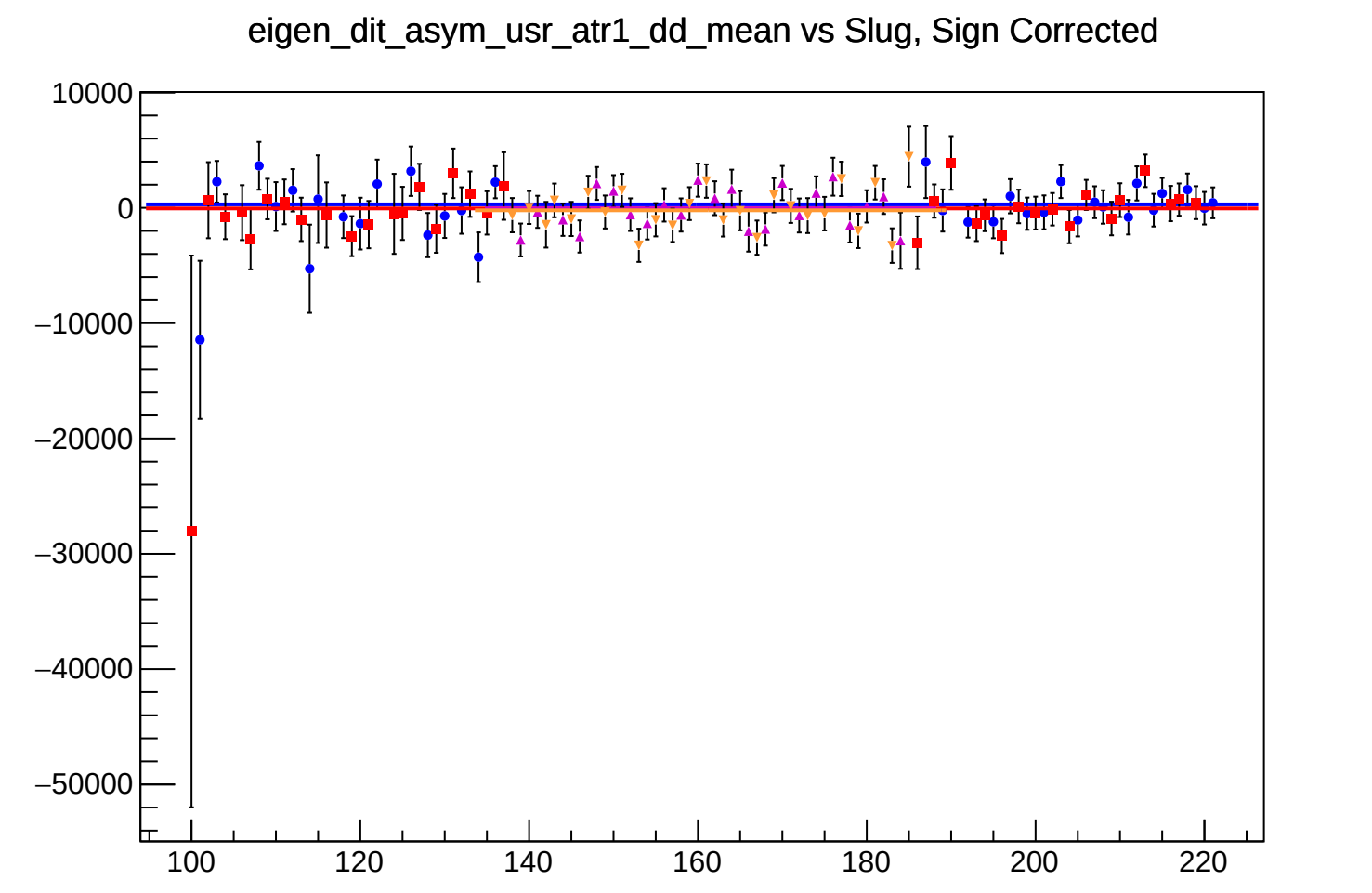
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 898.339+/-0.102 χ^2/NDF: 8647737.6/69

In: 733.237+/-0.086 χ^2/NDF:6619587.7/56

Out: 727.343+/-0.086 χ^2/NDF:8425167.6/60

All: 730.289+/-0.061 χ^2/NDF: 15047121.7/11



Right In: 297.384+/-287.713 χ^2/NDF: 32.5/33

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -54.265+/-293.833 χ^2/NDF: 27.0/35

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

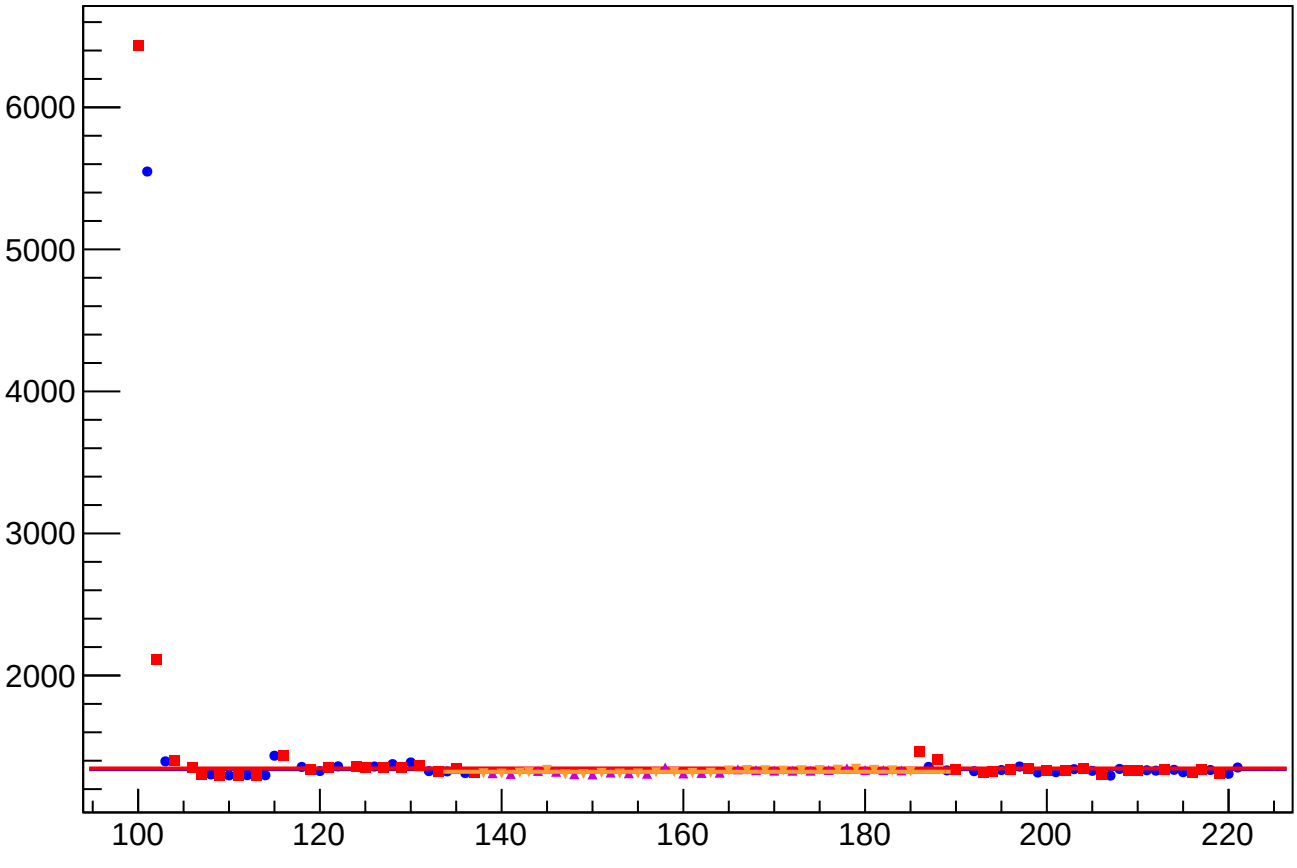
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 125.259+/-205.573 χ^2/NDF: 60.2/69

In: 135.947+/-210.563 χ^2/NDF:61.0/56

Out: -132.879+/-210.047 χ^2/NDF:58.4/60

All: 1.205+/-148.708 χ^2/NDF: 120.2/117



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: 1345.301+/-0.208 χ^2/NDF: 222589.3/35

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

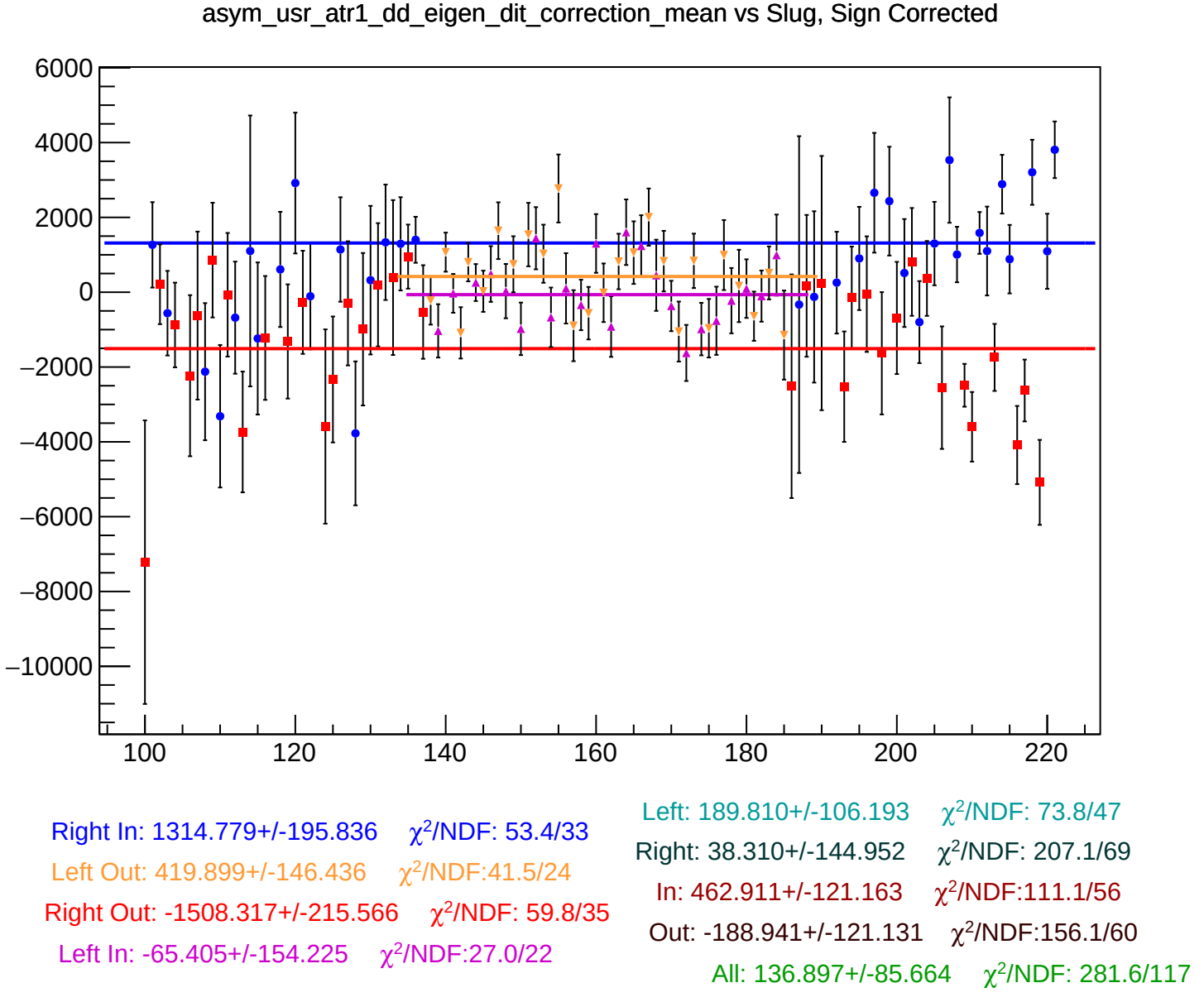
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

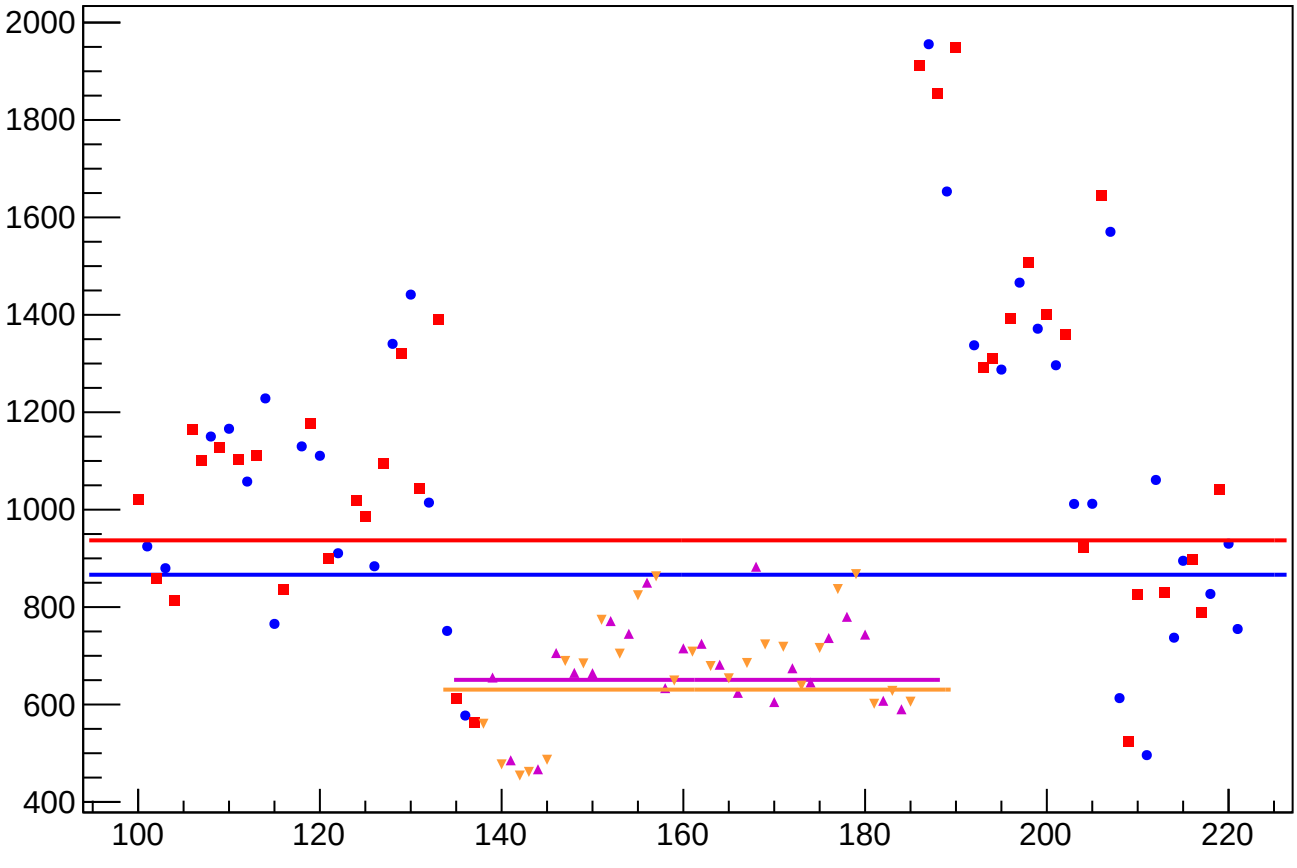
Right: 1342.913+/-0.145 χ^2/NDF: 992252.0/69

In: 1332.596+/-0.149 χ^2/NDF:776612.6/56

Out: 1334.087+/-0.149 χ^2/NDF:231478.0/60

All: 1333.343+/-0.105 χ^2/NDF: 1008140.9/11


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
220
Right In: 1314.779+/-195.836 χ²/NDF: 53.4/33
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -1508.317+/-215.566 χ²/NDF: 59.8/35
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: 38.310+/-144.952 χ²/NDF: 207.1/69
In: 462.911+/-121.163 χ²/NDF:111.1/56
Out: -188.941+/-121.131 χ²/NDF:156.1/60
All: 136.897+/-85.664 χ²/NDF: 281.6/117



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: 937.007+/-0.152 χ^2/NDF: 4331524.7/35

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

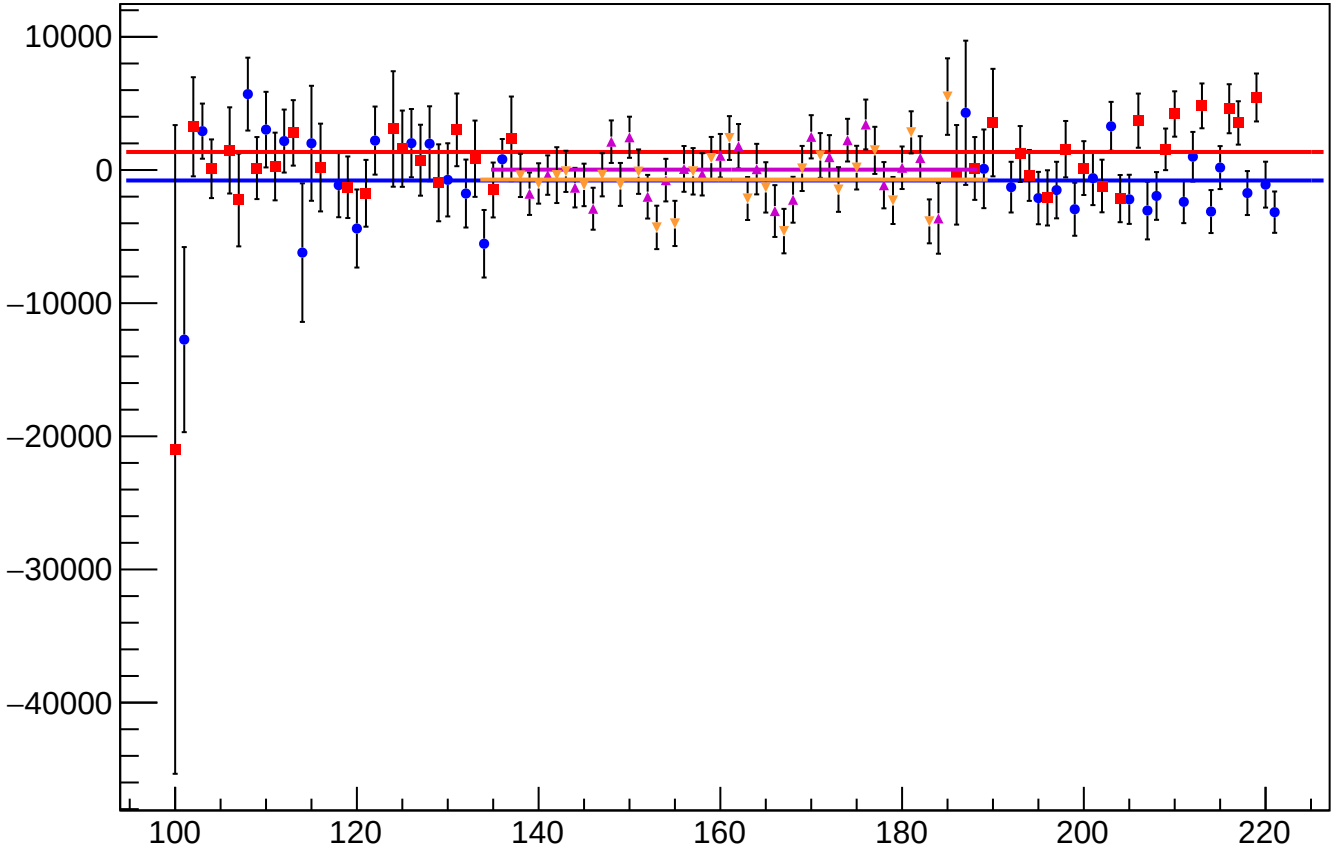
Right: 898.337+/-0.102 χ^2/NDF: 8647754.5/69

In: 733.237+/-0.086 χ^2/NDF:6619564.0/56

Out: 727.344+/-0.086 χ^2/NDF:8425166.3/60

All: 730.290+/-0.061 χ^2/NDF: 15047097.1/11

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



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: 1354.211+/-382.251 χ^2/NDF: 38.3/35

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

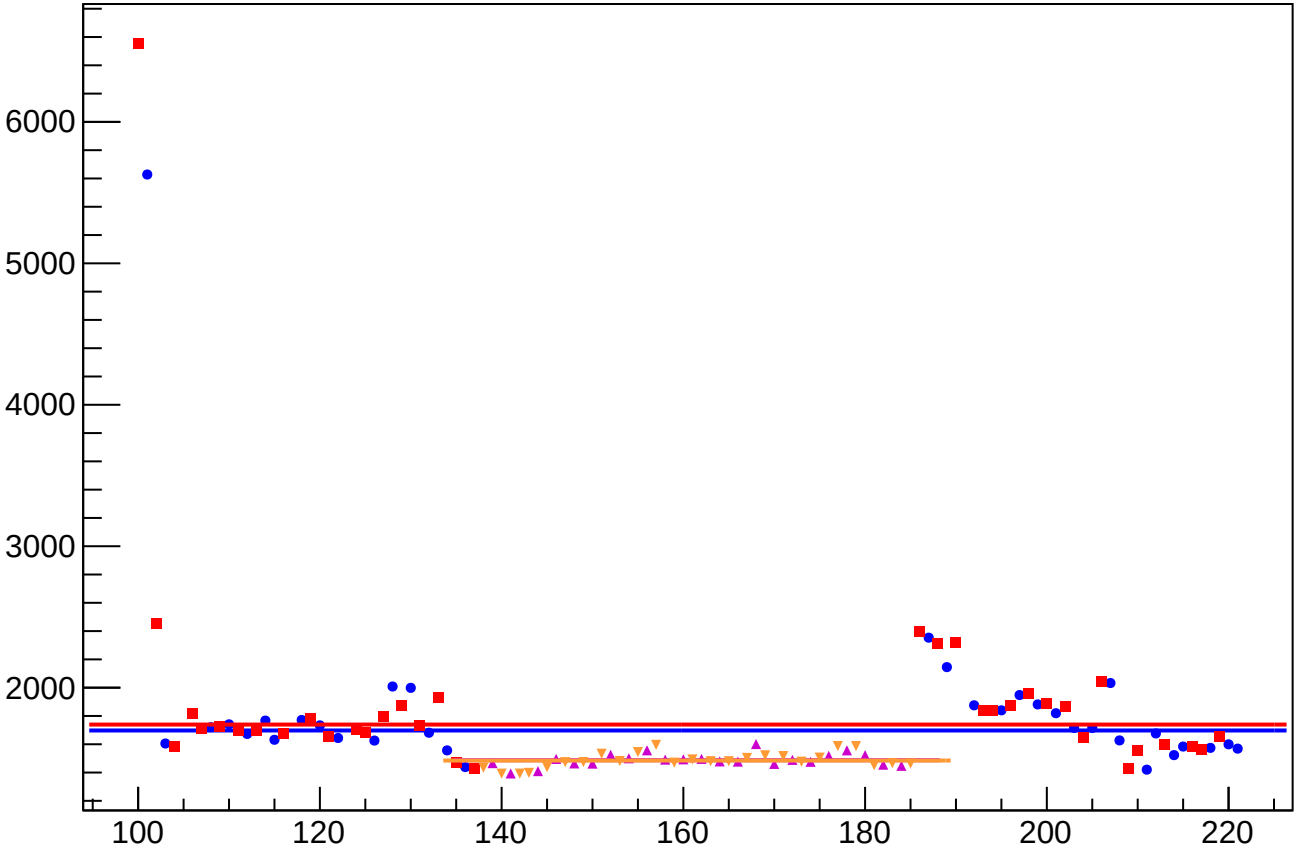
Right: 237.934+/-264.462 χ^2/NDF: 98.1/69

In: -358.221+/-252.062 χ^2/NDF:73.9/56

Out: 189.832+/-253.031 χ^2/NDF:92.6/60

All: -85.246+/-178.576 χ^2/NDF: 168.9/117

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: 1739.250+/-0.270 χ^2/NDF: 725126.9/35

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

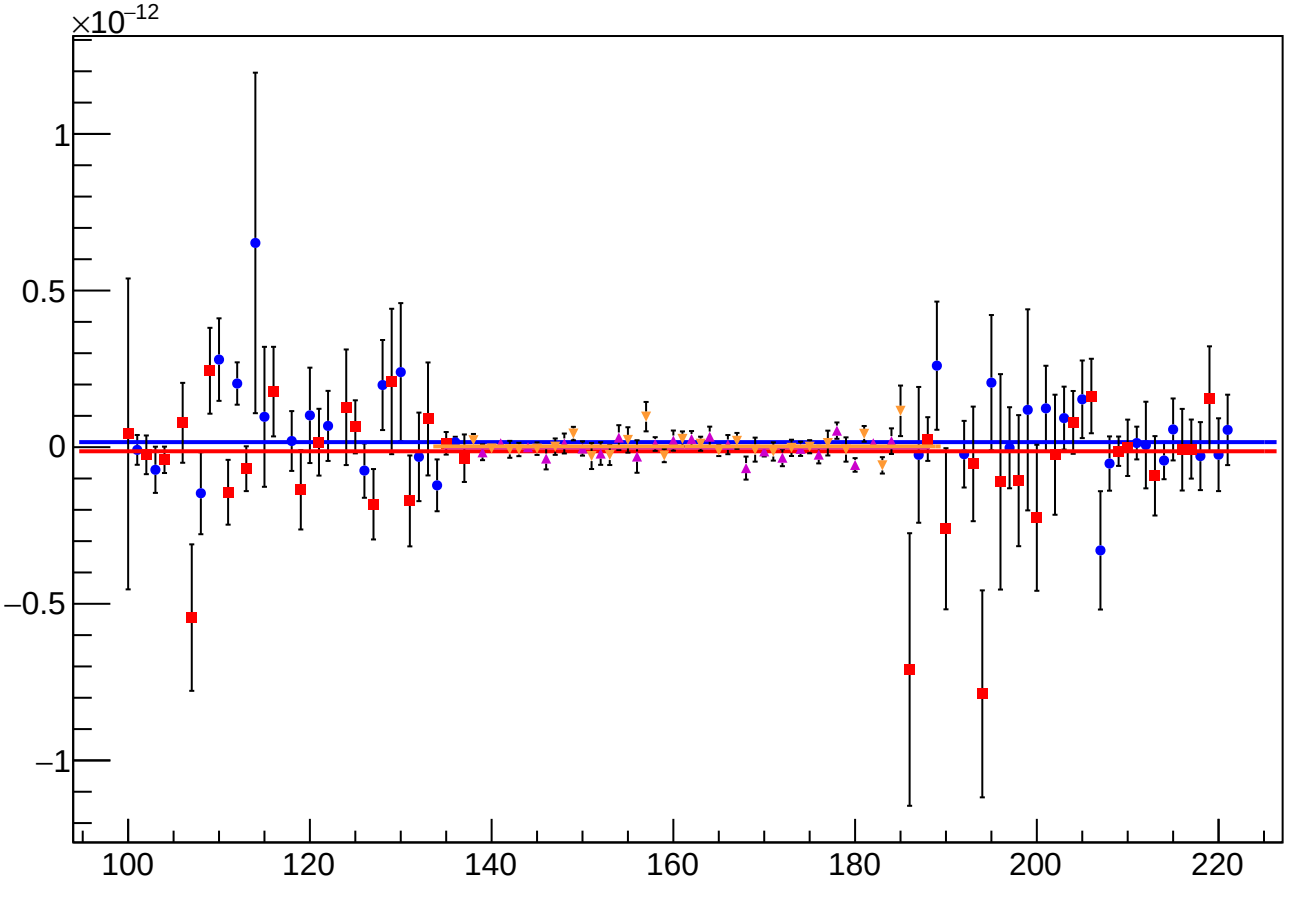
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1717.411+/-0.187 χ^2/NDF: 1831437.5/69

In: 1586.685+/-0.178 χ^2/NDF:1475505.8/56

Out: 1596.384+/-0.179 χ^2/NDF:1273299.1/60

All: 1591.516+/-0.126 χ^2/NDF: 2750279.8/11



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: 36.3/35

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

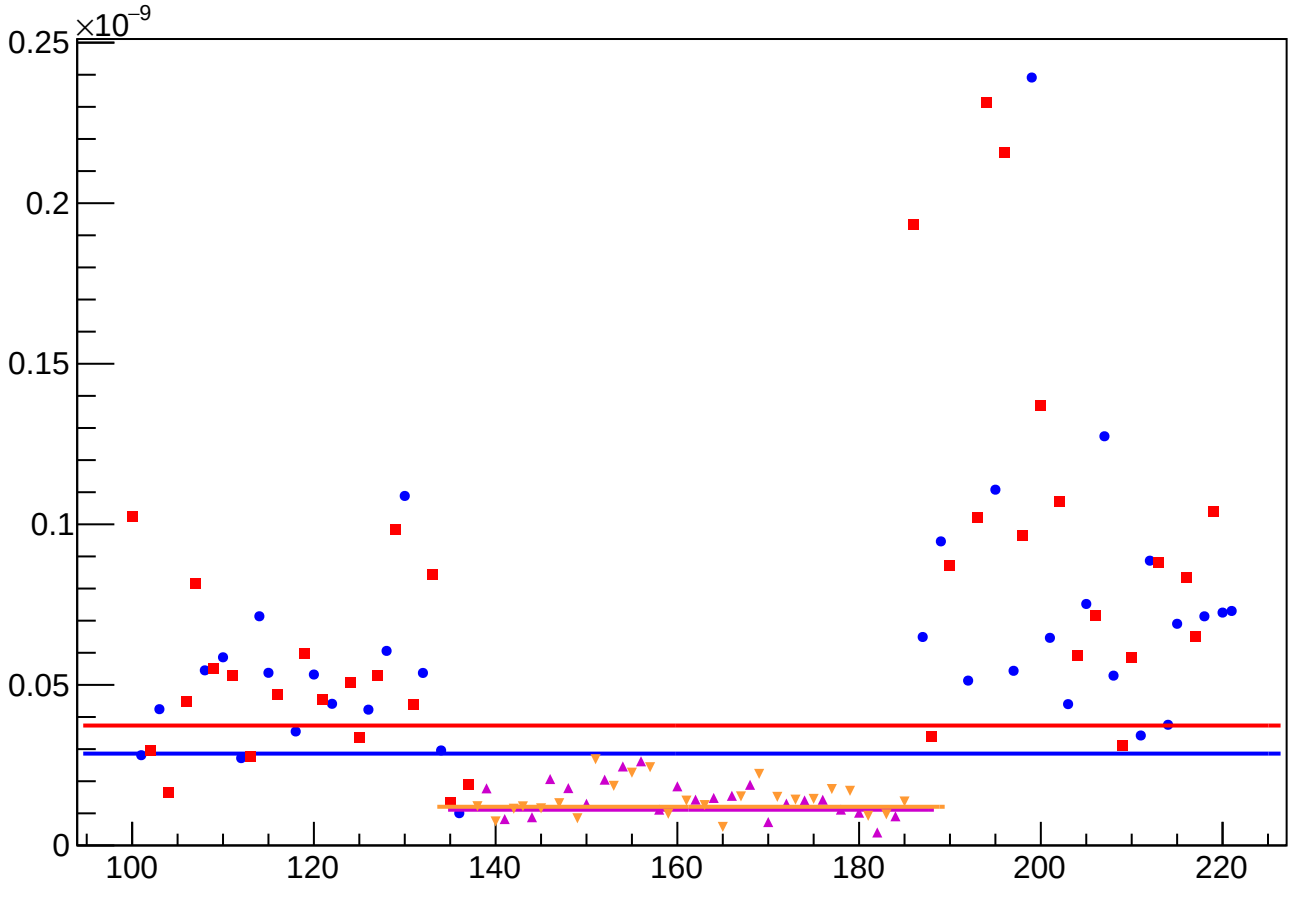
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 72.4/69

In: 0.000+/-0.000 χ^2/NDF:60.5/56

Out: 0.000+/-0.000 χ^2/NDF:62.6/60

All: 0.000+/-0.000 χ^2/NDF: 123.1/117



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: 6255143.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

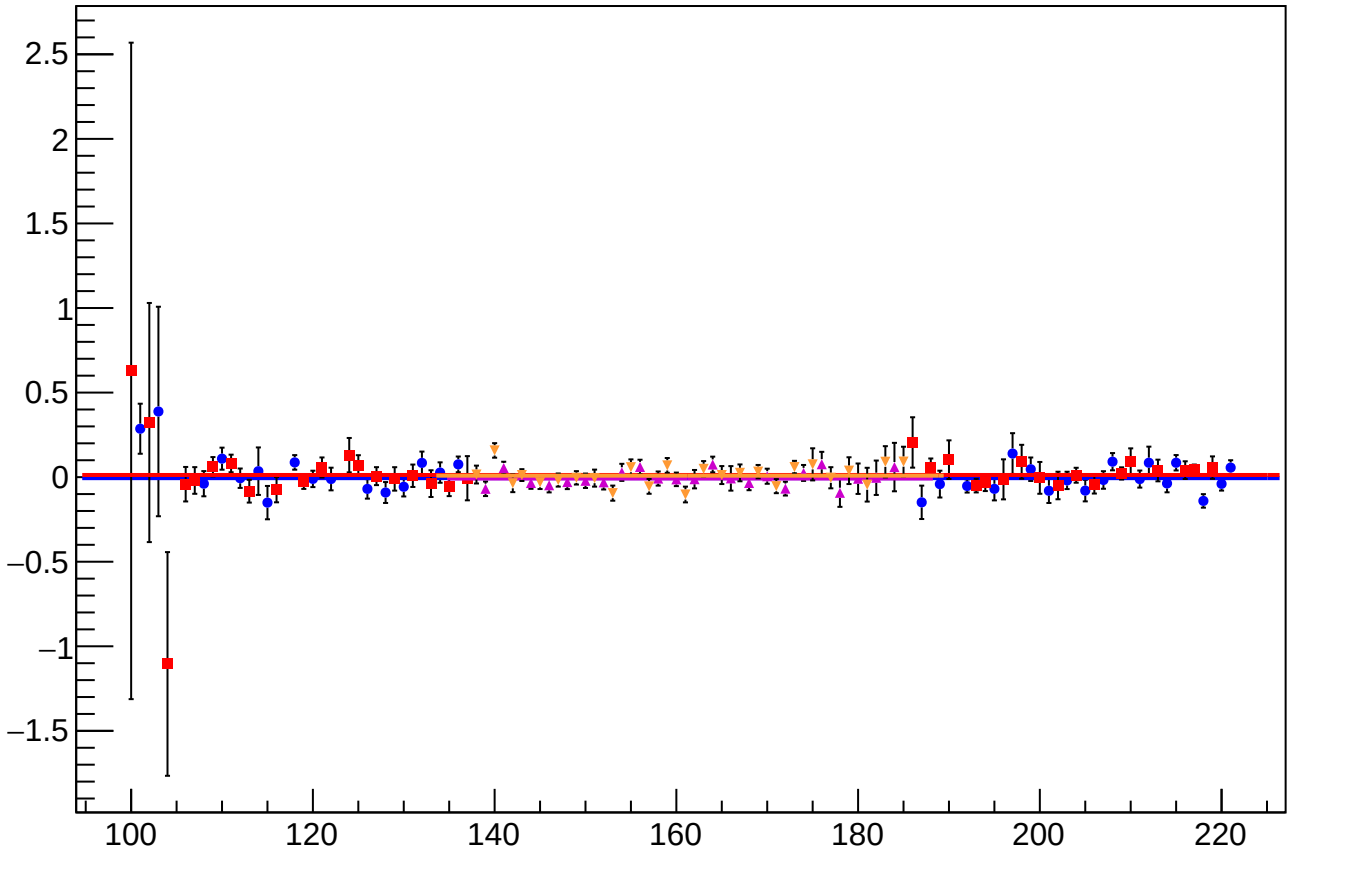
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14180440.3/69

In: 0.000+/-0.000 χ^2/NDF:13187827.5/56

Out: 0.000+/-0.000 χ^2/NDF:12538426.1/60

All: 0.000+/-0.000 χ^2/NDF: 25766578.9/117



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: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

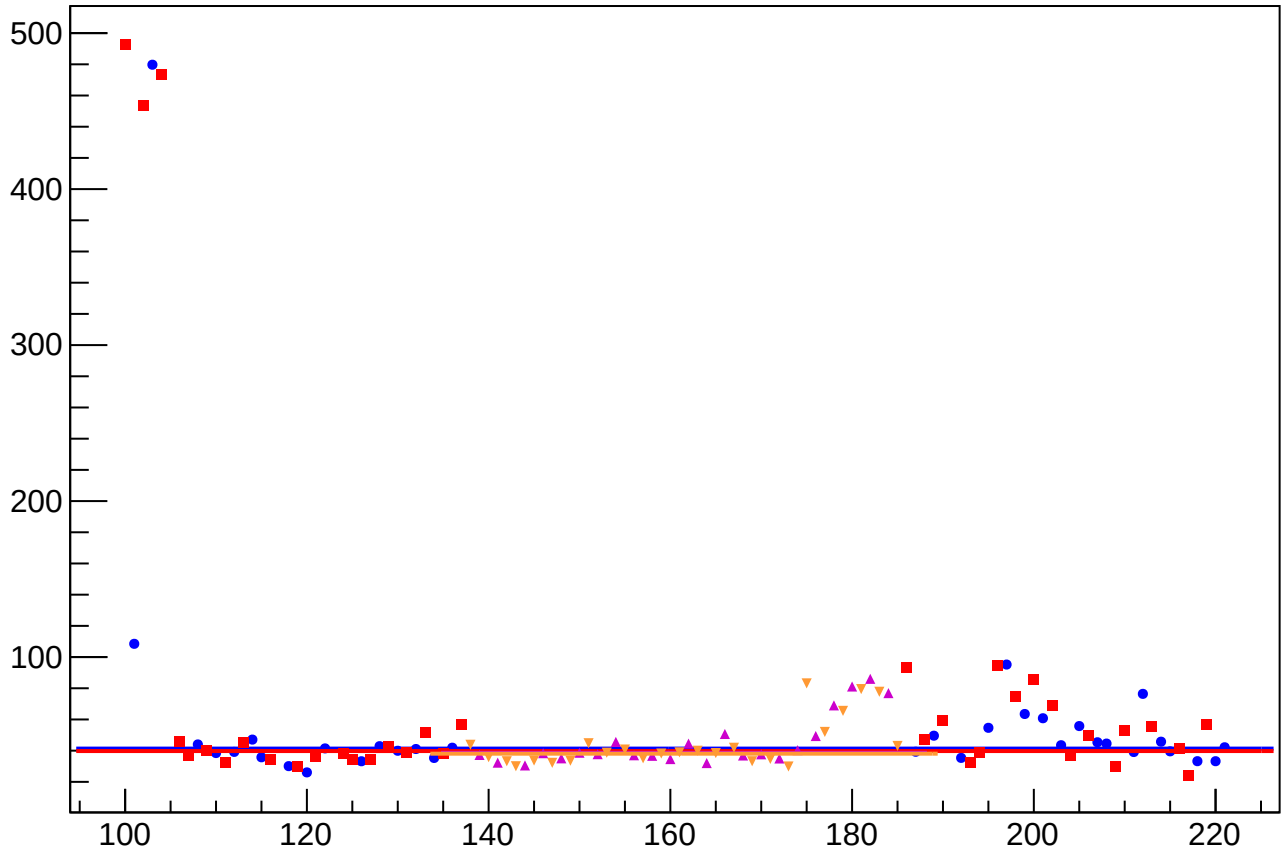
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.003+/-0.007 χ^2/NDF: 84.3/69

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.002+/-0.005 χ^2/NDF: 143.3/117



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: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

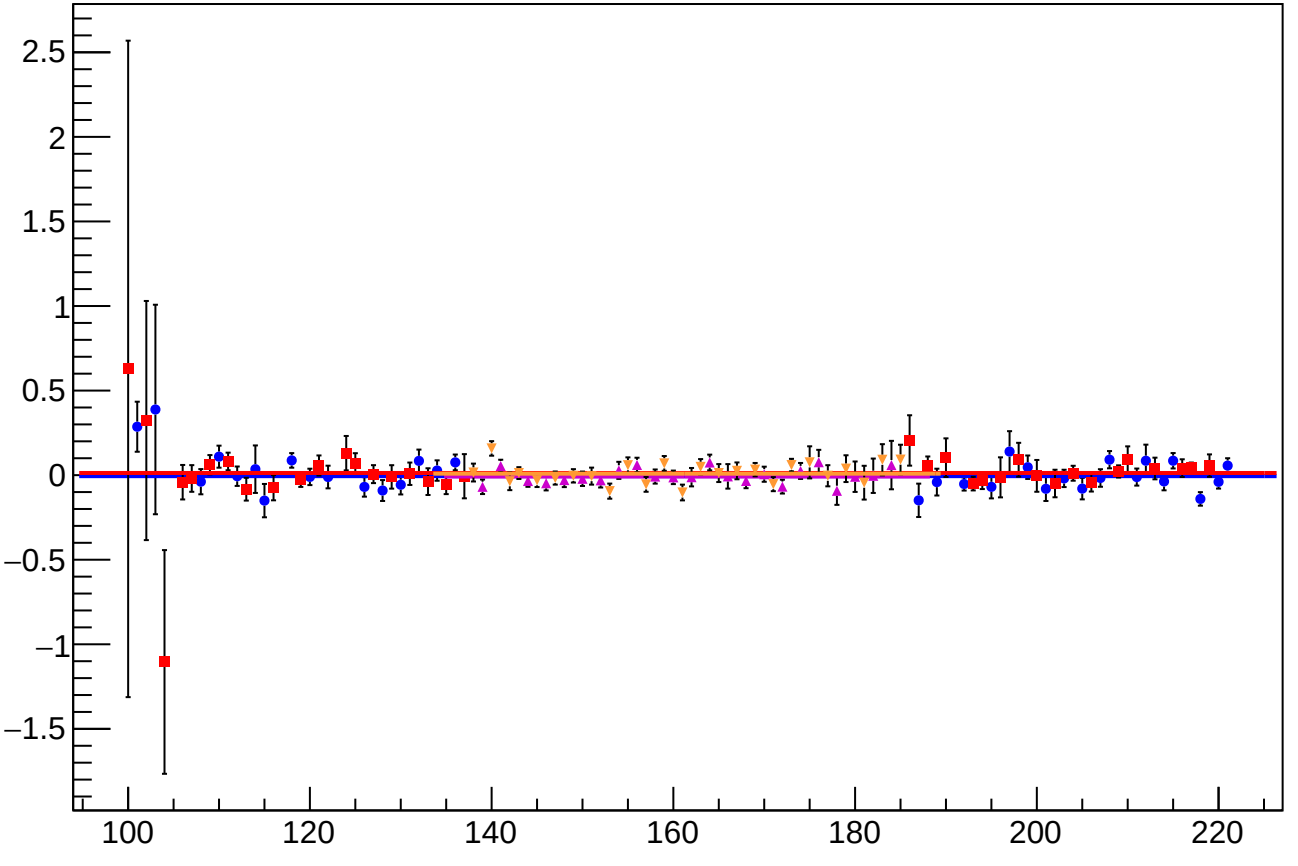
Right: 40.559+/-0.005 χ^2/NDF: 8185203.3/69

In: 39.968+/-0.005 χ^2/NDF:5111259.1/56

Out: 38.848+/-0.005 χ^2/NDF:6846514.4/60

All: 39.406+/-0.004 χ^2/NDF: 11983269.5/117

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: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

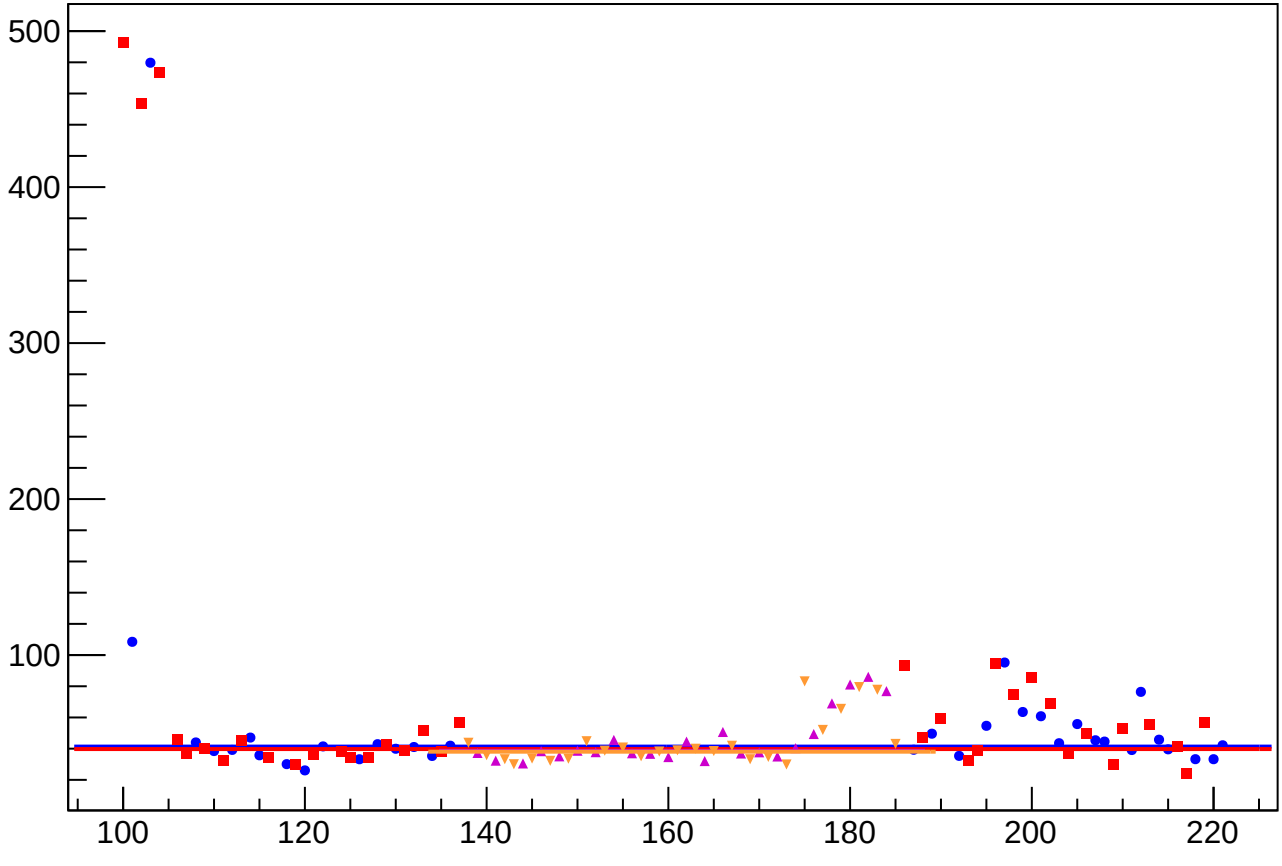
Right: 0.003+/-0.007 χ^2/NDF: 84.3/69

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.002+/-0.005 χ^2/NDF: 143.3/117

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: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

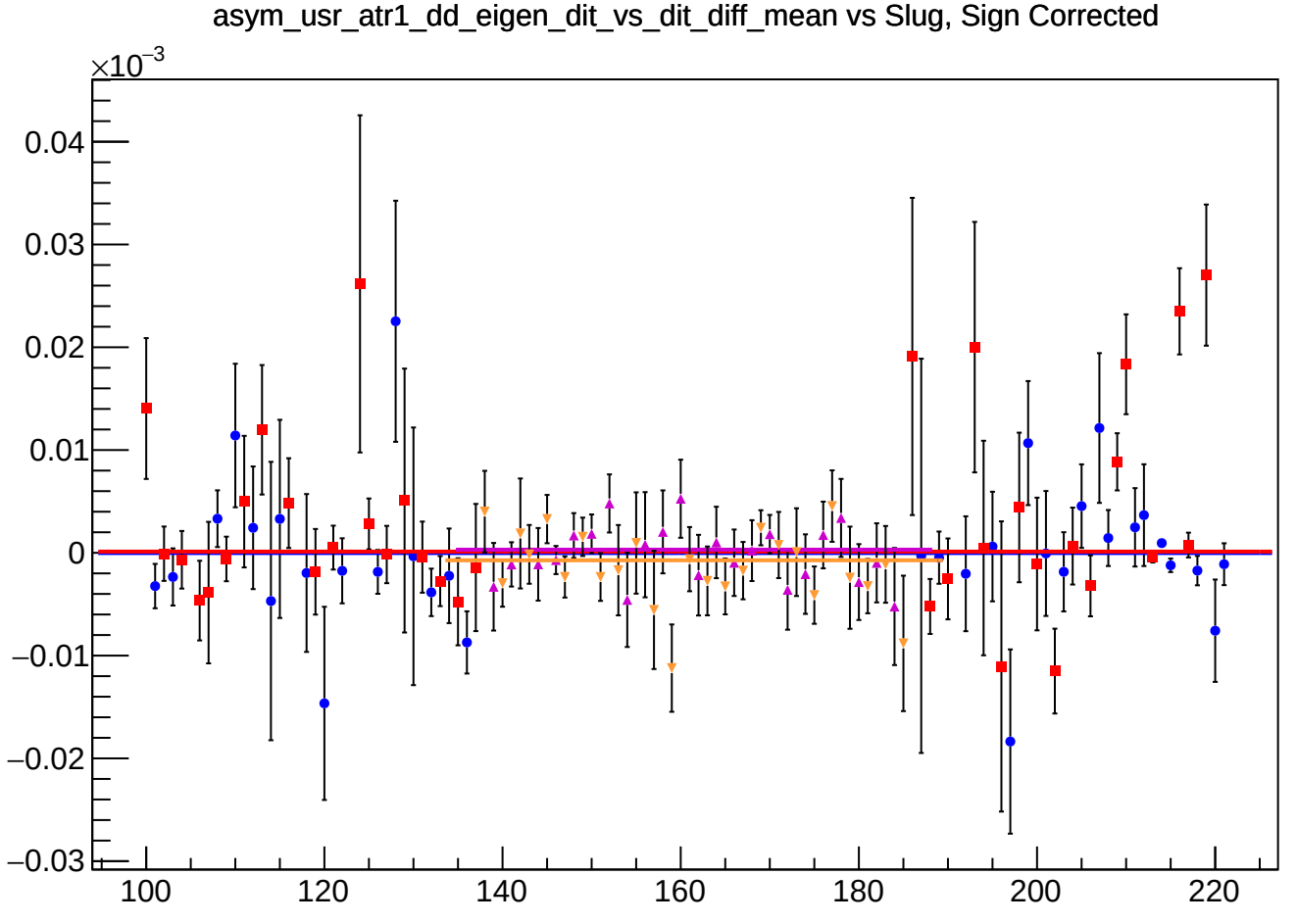
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.559+/-0.005 χ^2/NDF: 8185203.3/69

In: 39.968+/-0.005 χ^2/NDF:5111259.1/56

Out: 38.848+/-0.005 χ^2/NDF:6846514.4/60

All: 39.406+/-0.004 χ^2/NDF: 11983269.5/117



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: 109.3/35

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

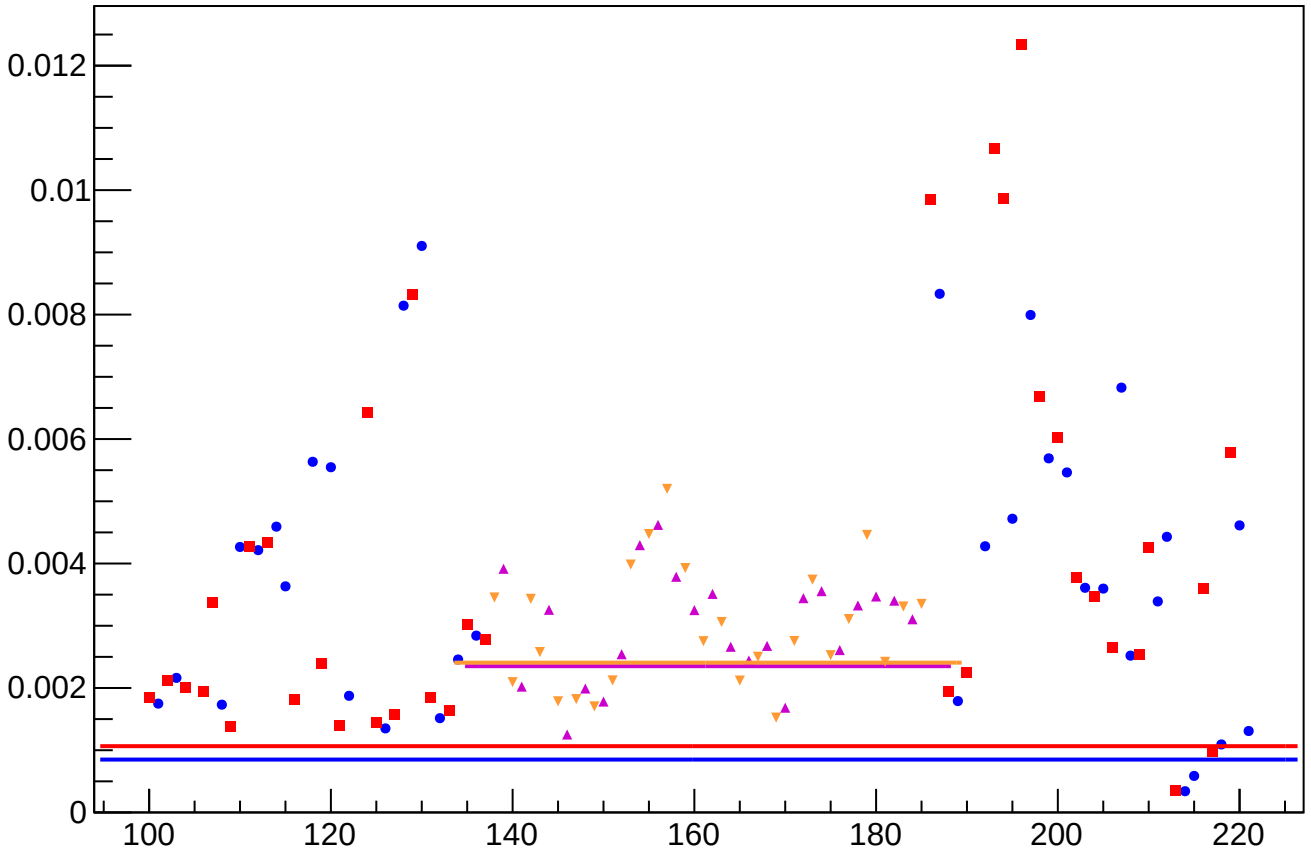
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: 0.000+/-0.000 χ^2/NDF: 161.3/69

In: 0.000+/-0.000 χ^2/NDF:66.0/56

Out: -0.000+/-0.000 χ^2/NDF:137.3/60

All: -0.000+/-0.000 χ^2/NDF: 203.5/117



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: 21085674.8/35

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

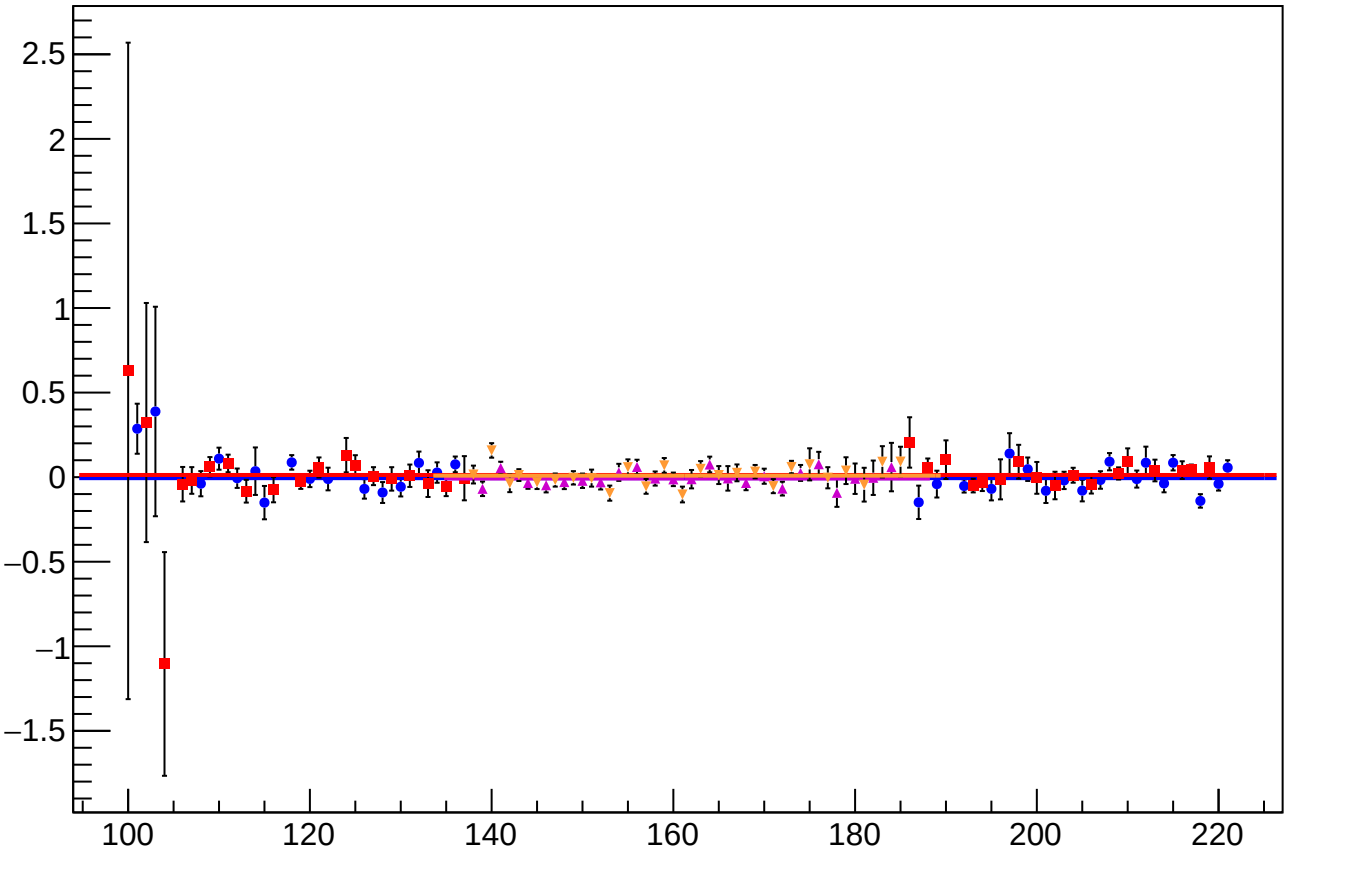
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.001+/-0.000 χ^2/NDF: 45286070.2/69

In: 0.001+/-0.000 χ^2/NDF:38391819.6/56

Out: 0.001+/-0.000 χ^2/NDF:32307660.6/60

All: 0.001+/-0.000 χ^2/NDF: 71731071.6/117



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: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

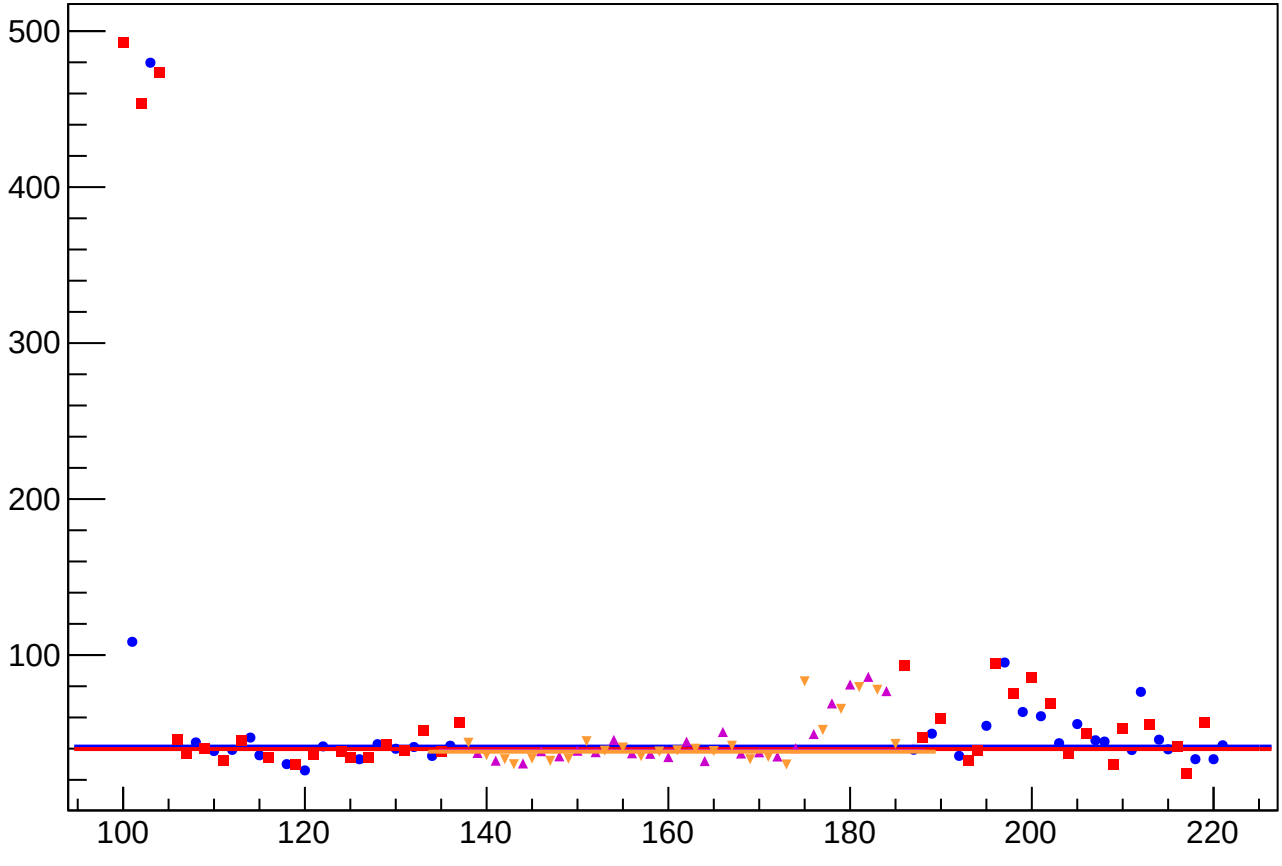
Right: 0.003+/-0.007 χ^2/NDF: 84.3/69

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.002+/-0.005 χ^2/NDF: 143.3/117

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: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

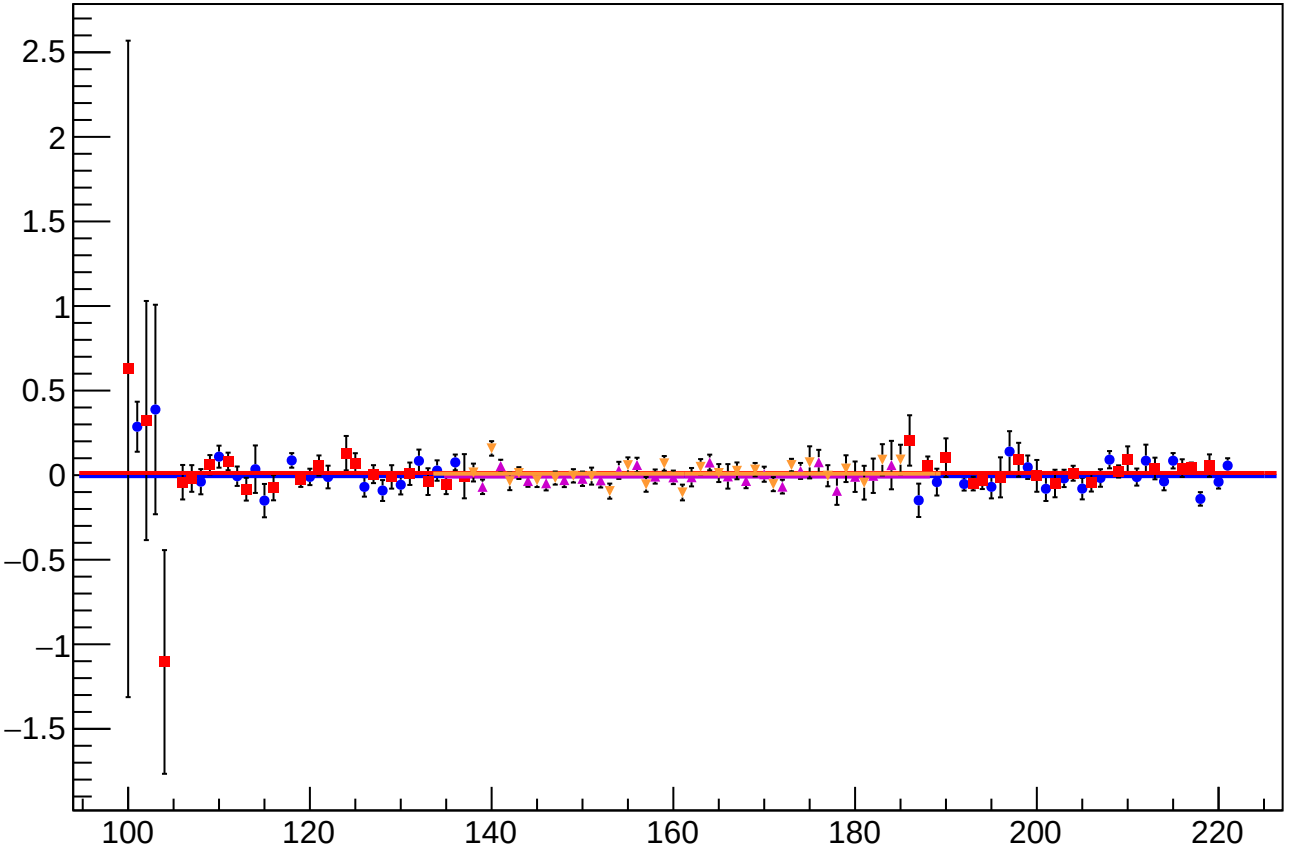
Right: 40.557+/-0.005 χ^2/NDF: 8186041.8/69

In: 39.968+/-0.005 χ^2/NDF:5111550.4/56

Out: 38.846+/-0.005 χ^2/NDF:6846927.7/60

All: 39.405+/-0.004 χ^2/NDF: 11984011.4/117

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: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

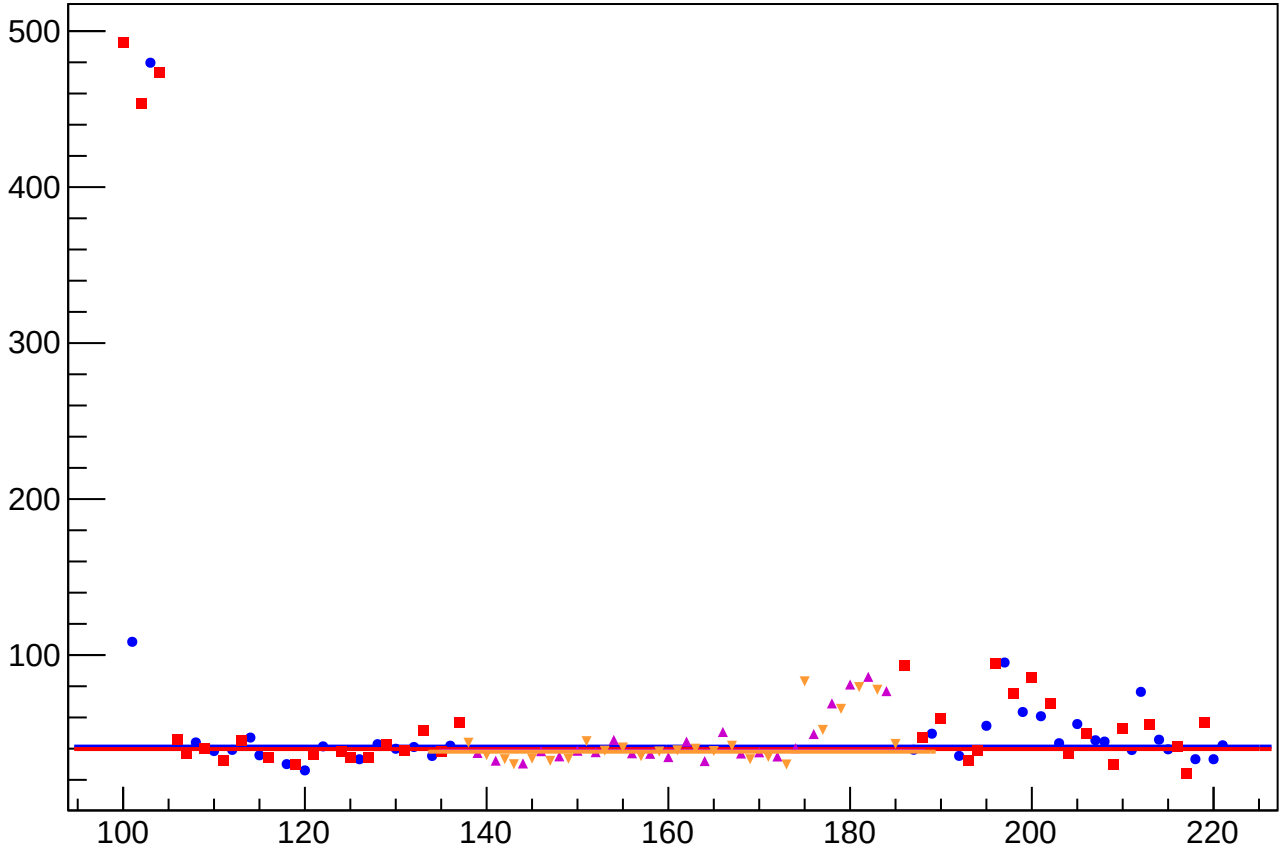
Right: 0.003+/-0.007 χ^2/NDF: 84.3/69

In: -0.007+/-0.007 χ^2/NDF:74.7/56

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.002+/-0.005 χ^2/NDF: 143.3/117

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: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

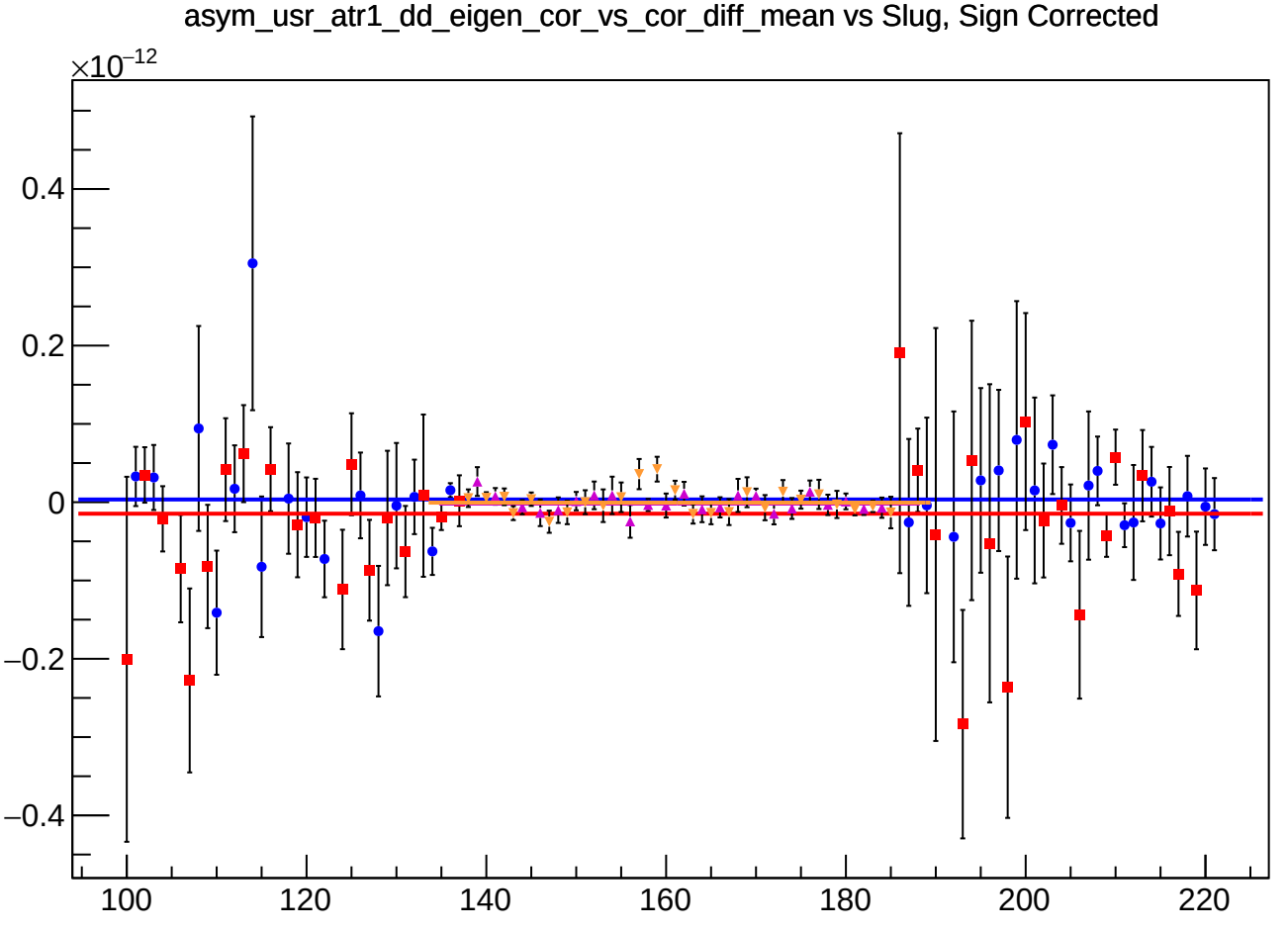
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 40.557+/-0.005 χ^2/NDF: 8186041.8/69

In: 39.968+/-0.005 χ^2/NDF:5111550.4/56

Out: 38.846+/-0.005 χ^2/NDF:6846927.7/60

All: 39.405+/-0.004 χ^2/NDF: 11984011.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/35

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

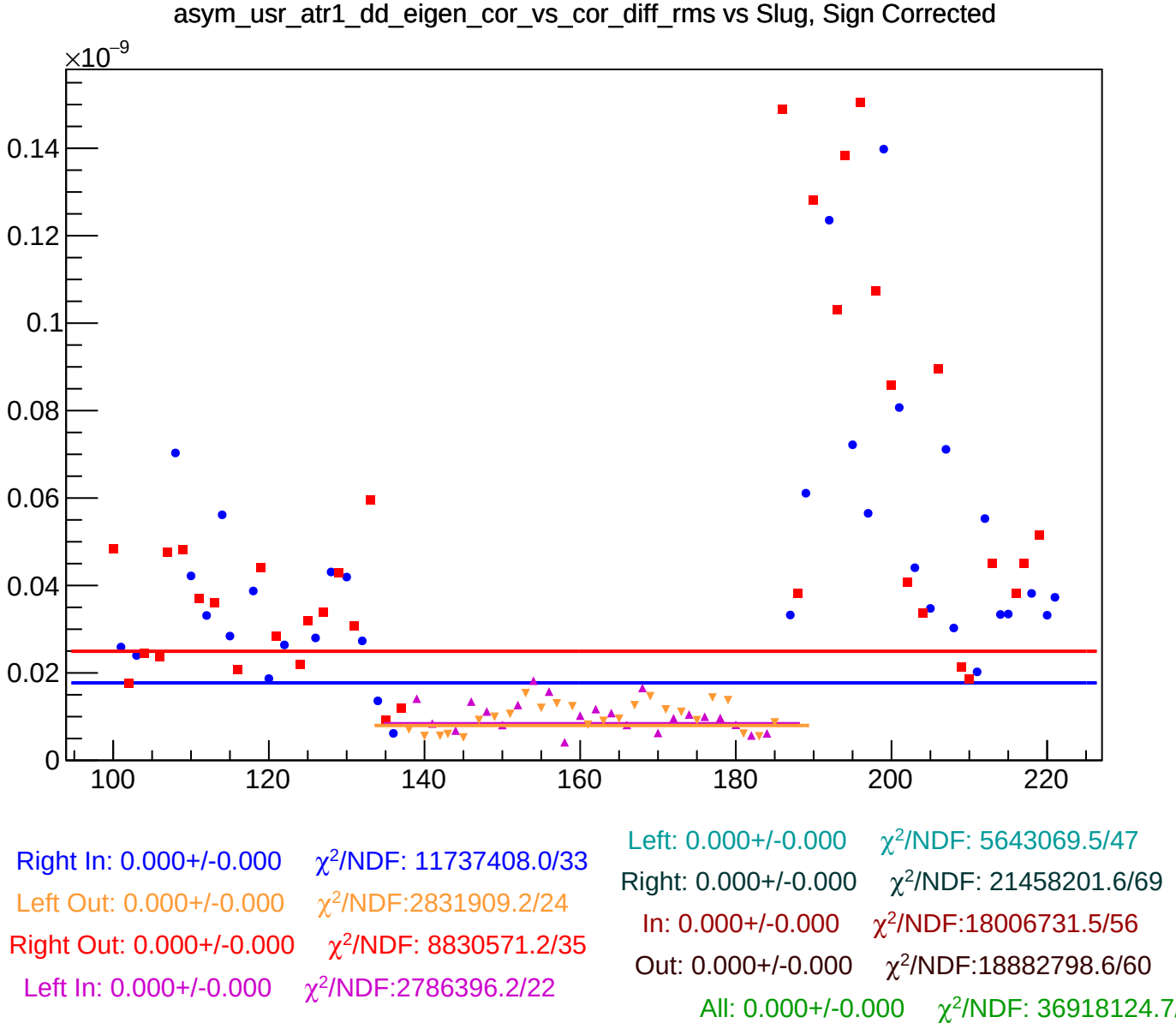
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

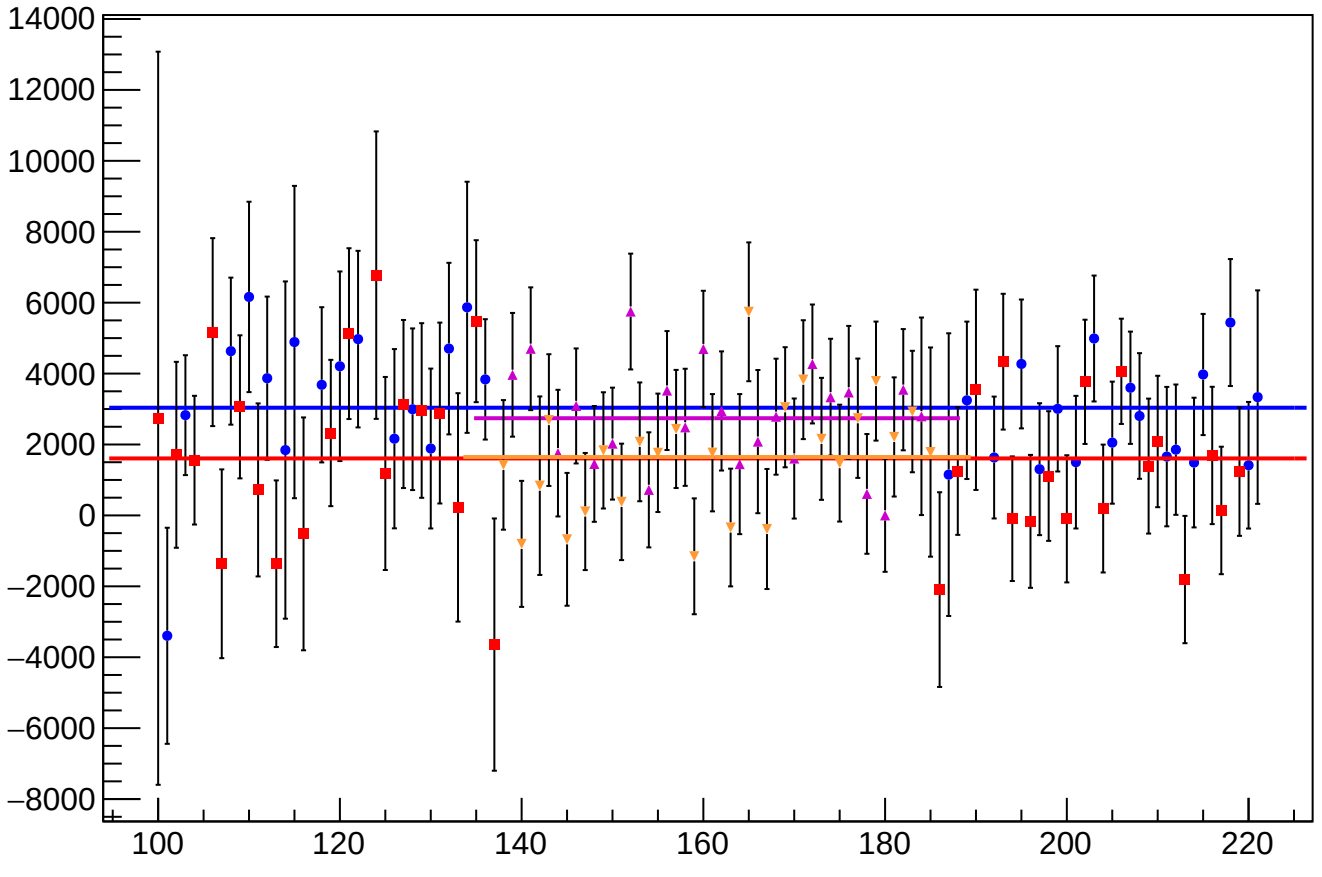
Right: -0.000+/-0.000 χ^2/NDF: 64.7/69

In: -0.000+/-0.000 χ^2/NDF:39.2/56

Out: -0.000+/-0.000 χ^2/NDF:64.3/60

All: -0.000+/-0.000 χ^2/NDF: 103.5/117


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11737408.0/33
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 8830571.2/35
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
Left: 0.000+/-0.000 χ²/NDF: 5643069.5/47
Right: 0.000+/-0.000 χ²/NDF: 21458201.6/69
In: 0.000+/-0.000 χ²/NDF:18006731.5/56
Out: 0.000+/-0.000 χ²/NDF:18882798.6/60
All: 0.000+/-0.000 χ²/NDF: 36918124.7/117



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: 1607.070+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

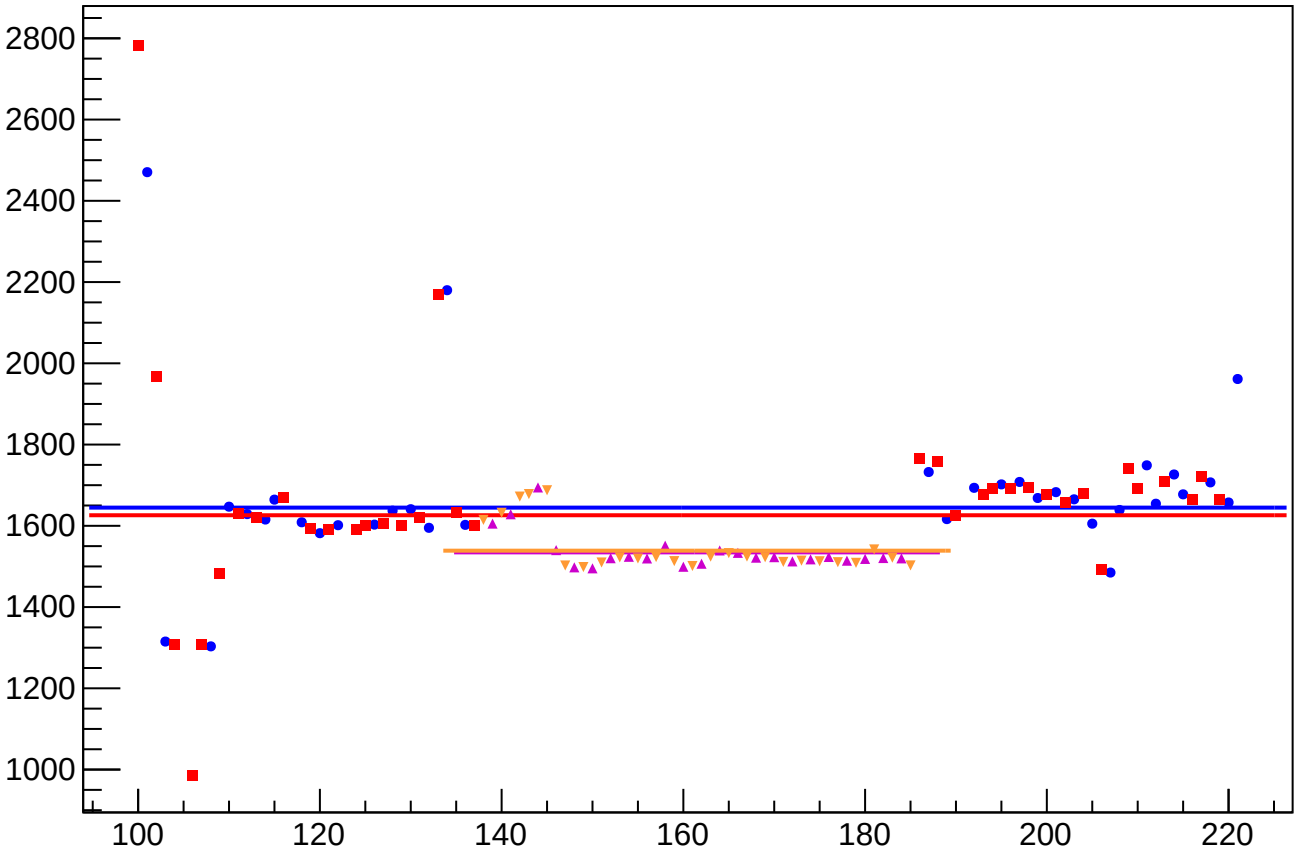
Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

Right: 2325.311+/-252.584 χ^2/NDF: 58.8/69

In: 2889.787+/-252.732 χ^2/NDF:35.3/56

Out: 1627.196+/-250.192 χ^2/NDF:53.3/60

All: 2252.117+/-177.804 χ^2/NDF: 101.3/117



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: 1626.014+/-0.252 χ^2/NDF: 482617.4/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

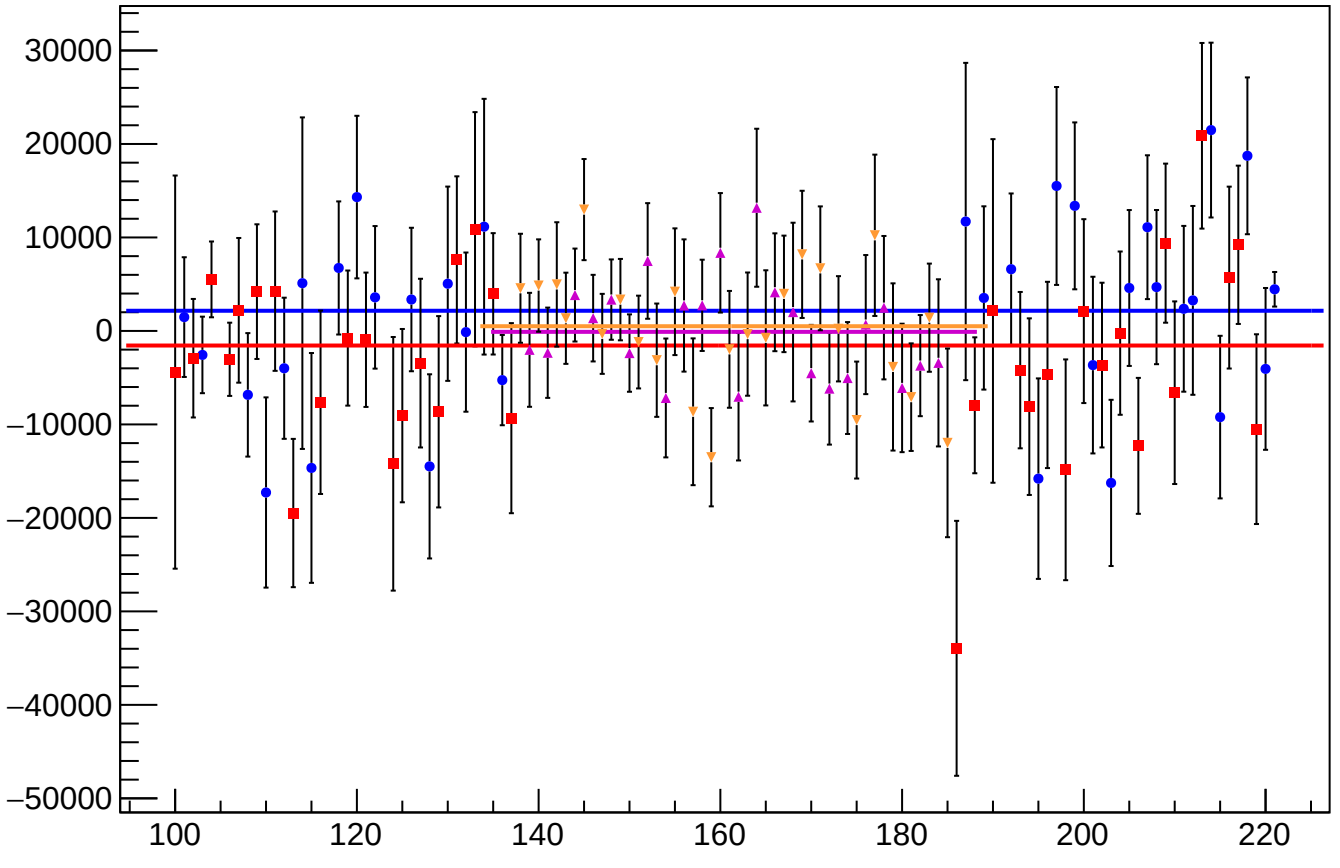
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1635.388+/-0.178 χ^2/NDF: 878569.1/69

In: 1590.024+/-0.179 χ^2/NDF:519315.1/56

Out: 1581.667+/-0.176 χ^2/NDF:590775.0/60

All: 1585.790+/-0.126 χ^2/NDF: 1111197.9/11



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: -1561.006+/-1345.001 χ^2/NDF: 36.3/35

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

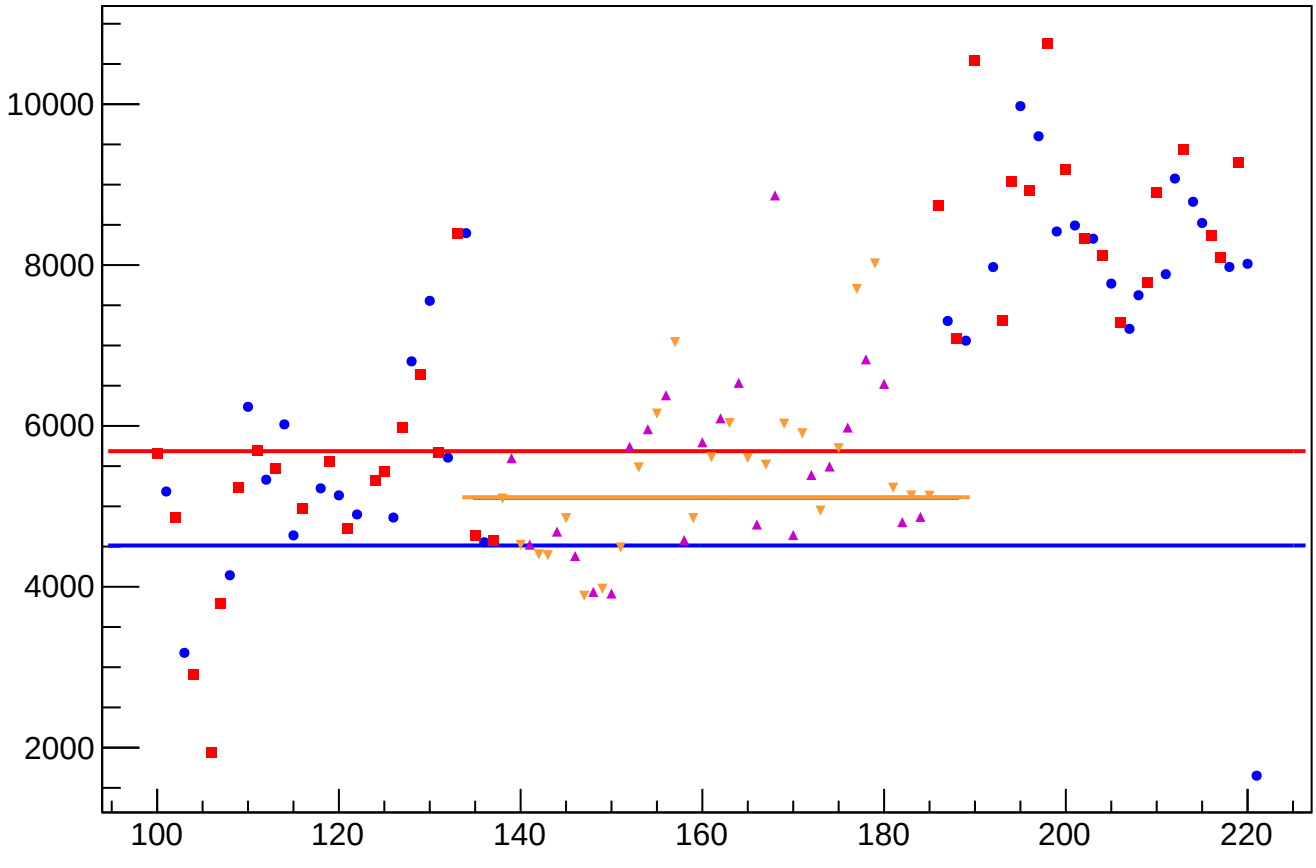
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: 625.548+/-863.375 χ^2/NDF: 83.2/69

In: 1118.070+/-826.678 χ^2/NDF:59.1/56

Out: -400.490+/-890.109 χ^2/NDF:64.4/60

All: 414.820+/-605.734 χ^2/NDF: 125.1/117



Right In: 4513.439+/-0.796 χ^2/NDF: 11320112.5/33

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5686.033+/-0.951 χ^2/NDF: 6266422.2/35

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

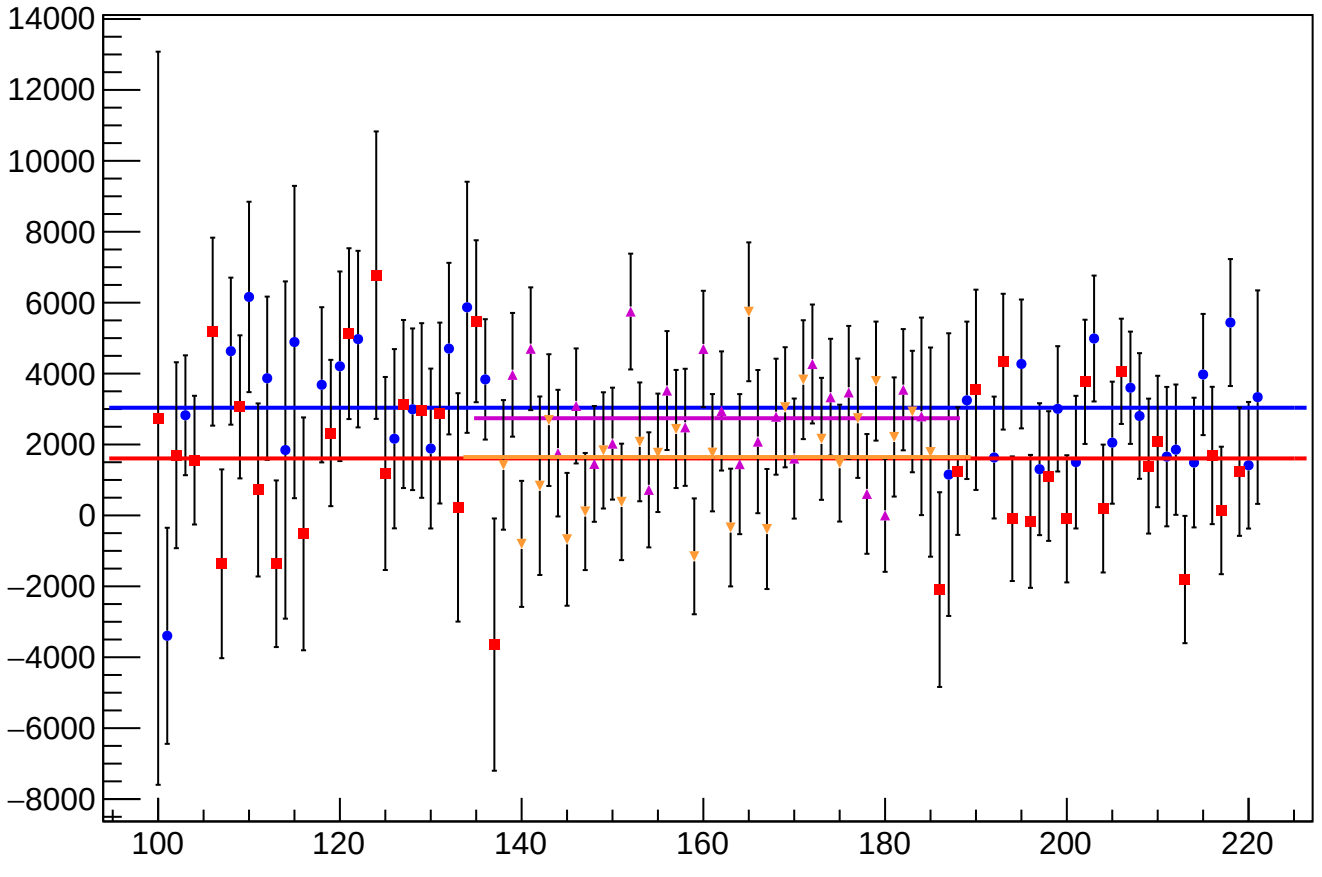
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 4996.612+/-0.610 χ^2/NDF: 18480288.0/69

In: 4786.771+/-0.585 χ^2/NDF:12827401.2/56

Out: 5363.943+/-0.629 χ^2/NDF:7629501.6/60

All: 5054.062+/-0.428 χ^2/NDF: 20908390.2/1



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: 1607.117+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

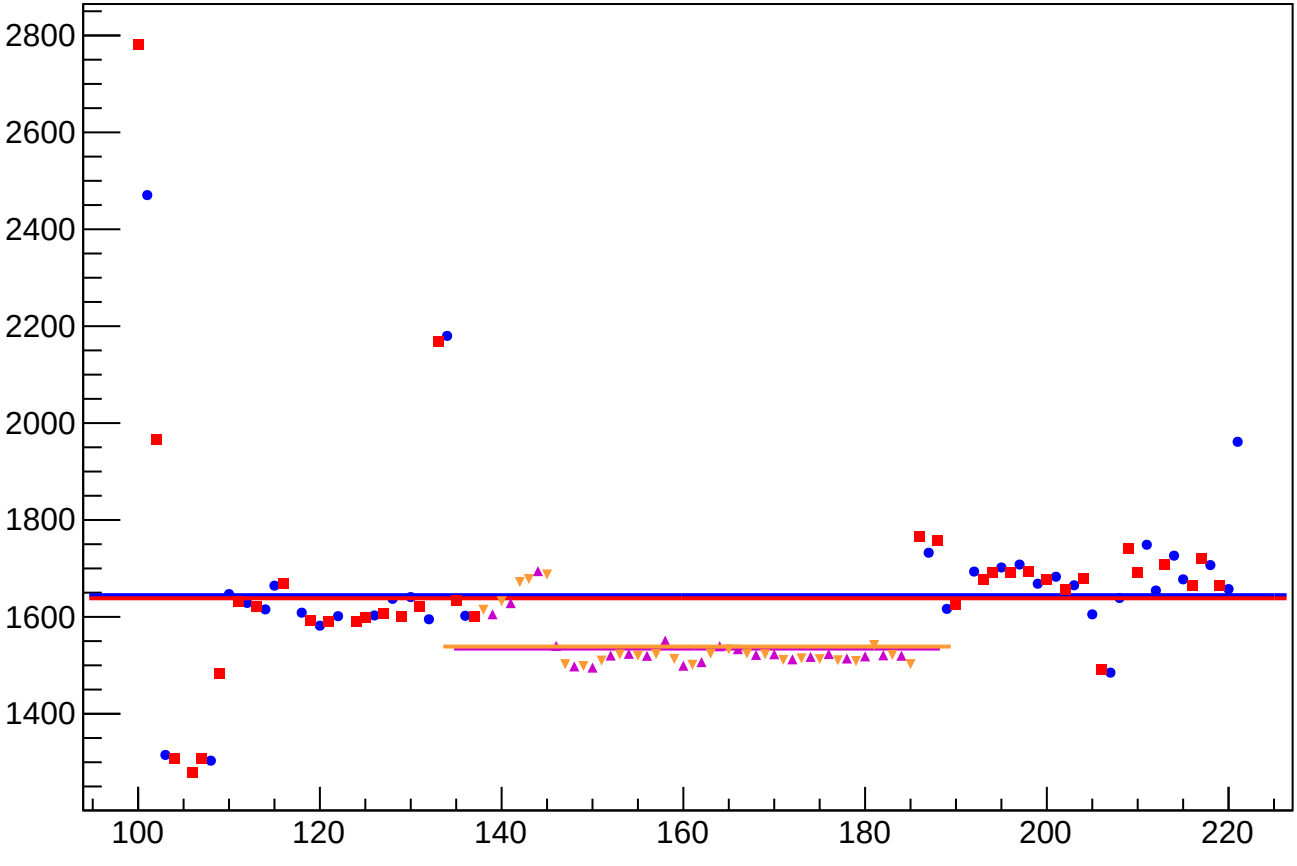
Right: 2325.275+/-252.584 χ^2/NDF: 58.8/69

In: 2889.678+/-252.732 χ^2/NDF:35.3/56

Out: 1627.164+/-250.193 χ^2/NDF:53.3/60

All: 2252.047+/-177.804 χ^2/NDF: 101.3/117

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

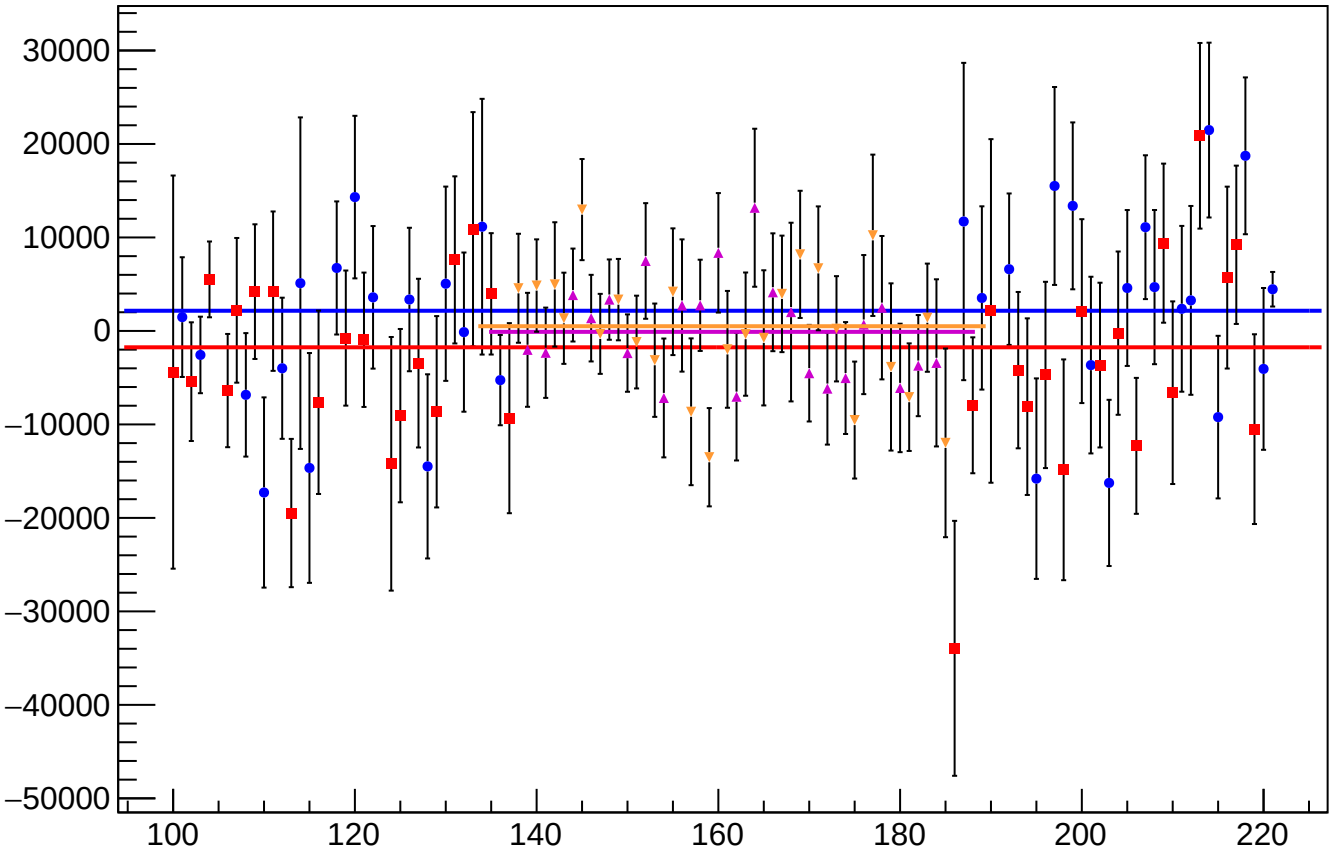
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1641.609+/-0.178 χ^2/NDF: 716069.6/69

In: 1590.024+/-0.179 χ^2/NDF:519314.2/56

Out: 1587.515+/-0.177 χ^2/NDF:448941.6/60

All: 1588.756+/-0.126 χ^2/NDF: 968355.4/117



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: -1750.332+/-1393.773 χ^2/NDF: 37.1/35

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

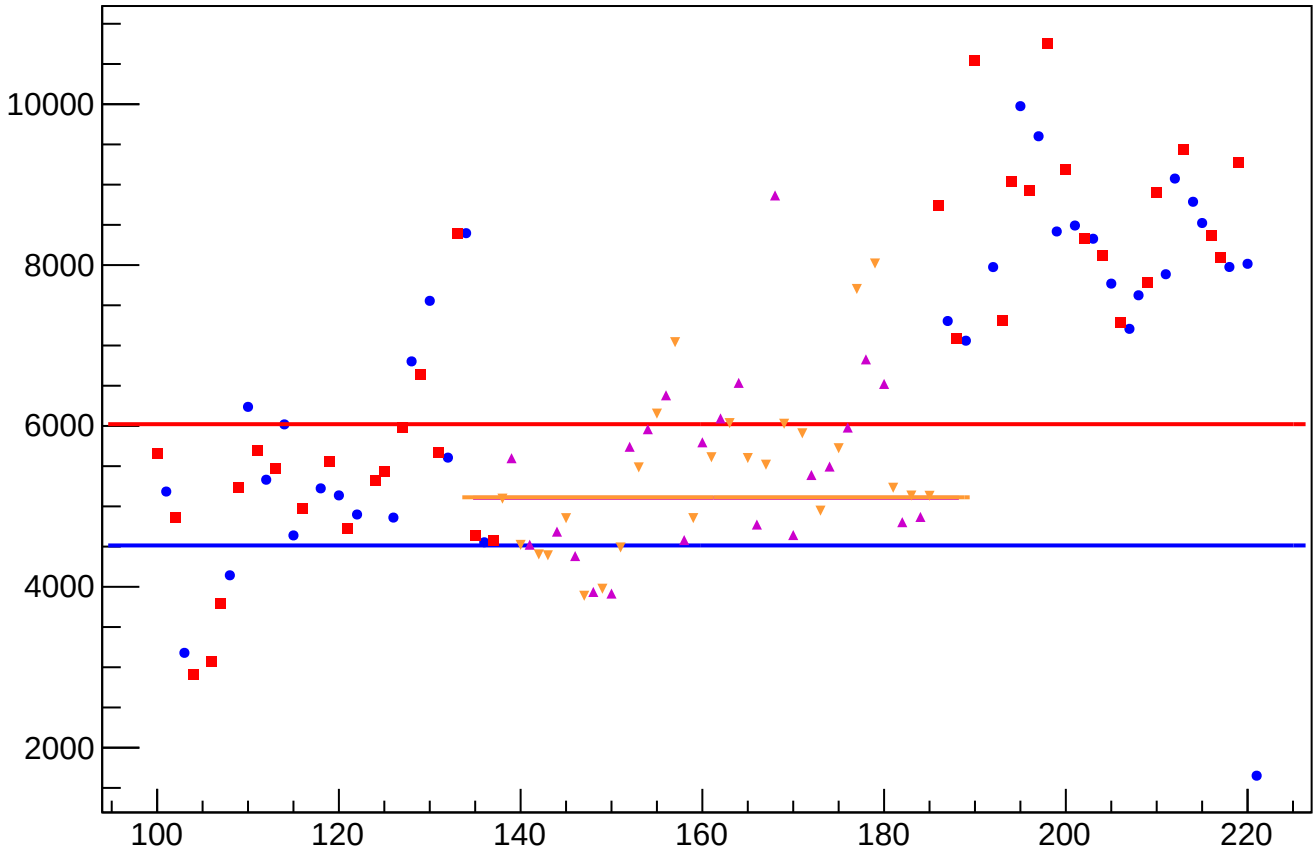
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: 615.107+/-875.934 χ^2/NDF: 84.2/69

In: 1118.627+/-826.729 χ^2/NDF:59.2/56

Out: -444.067+/-903.821 χ^2/NDF:65.4/60

All: 406.756+/-610.023 χ^2/NDF: 126.2/117



Right In: 4514.311+/-0.796 χ^2/NDF: 11315281.1/33

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

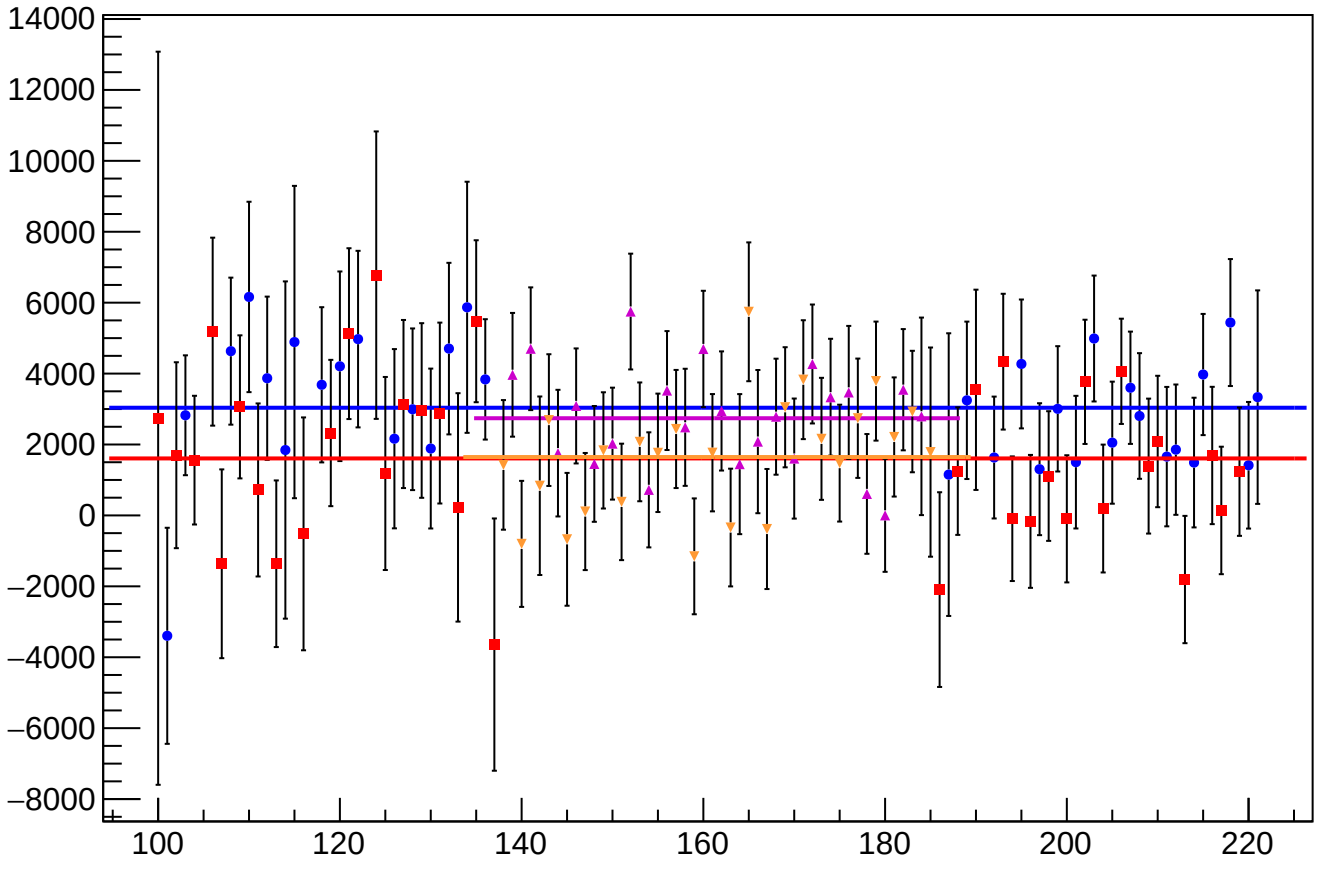
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5109.785+/-0.619 χ^2/NDF: 17424583.5/69

In: 4787.274+/-0.585 χ^2/NDF:12821790.8/56

Out: 5495.206+/-0.639 χ^2/NDF:6345411.1/60

All: 5109.766+/-0.431 χ^2/NDF: 19835259.4/1



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: 1607.117+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

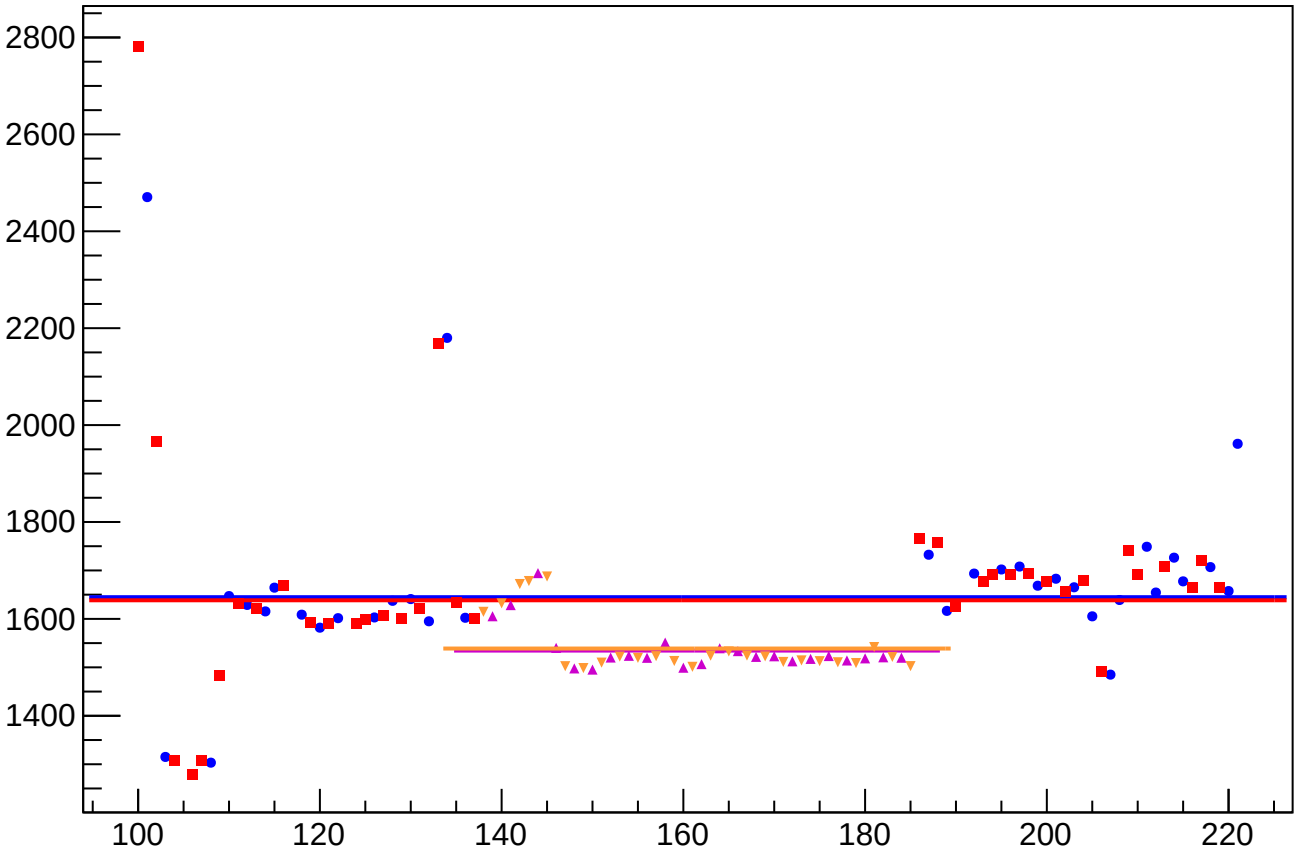
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2325.275+/-252.584 χ^2/NDF: 58.8/69

In: 2889.678+/-252.732 χ^2/NDF:35.3/56

Out: 1627.164+/-250.193 χ^2/NDF:53.3/60

All: 2252.047+/-177.804 χ^2/NDF: 101.3/117



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: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

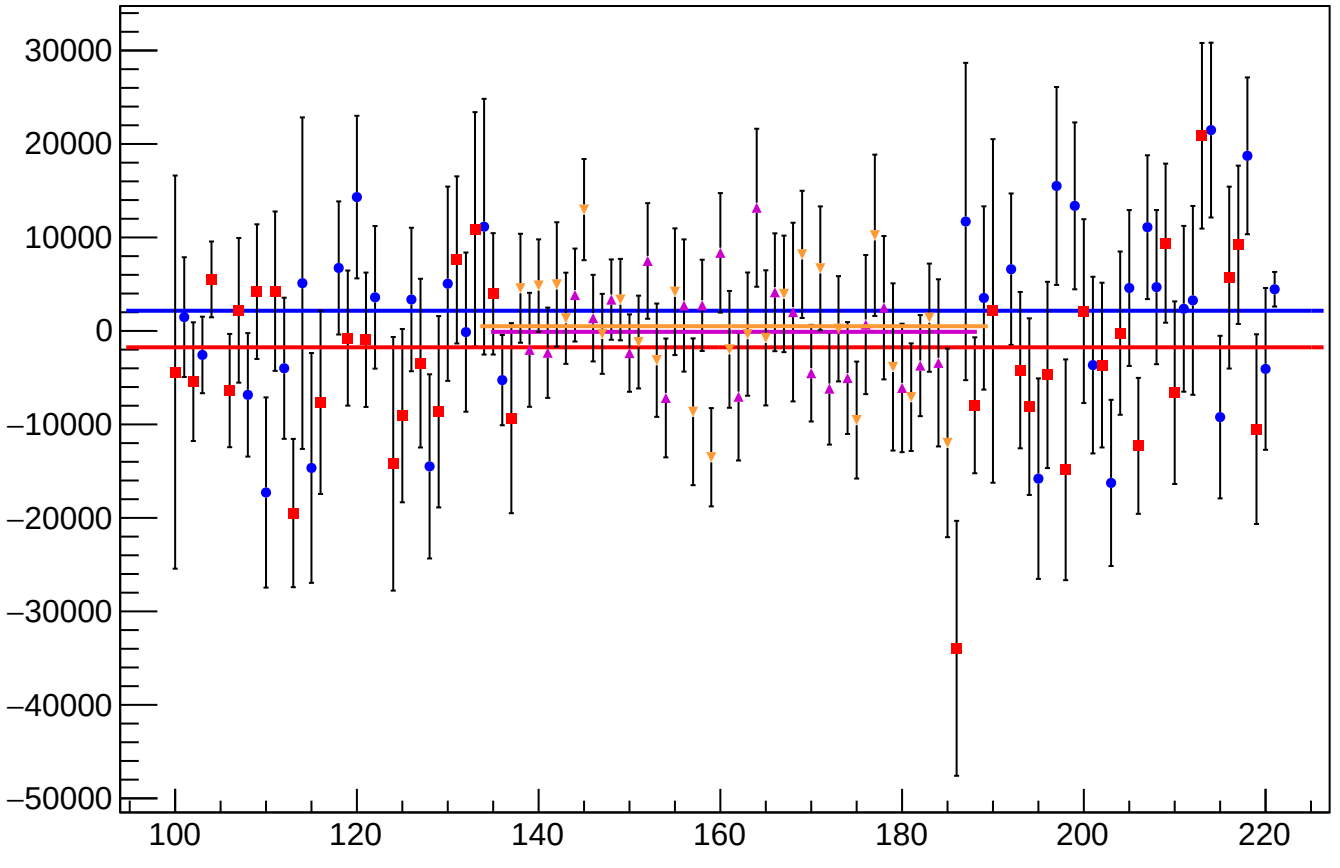
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1641.609+/-0.178 χ^2/NDF: 716069.6/69

In: 1590.024+/-0.179 χ^2/NDF:519314.2/56

Out: 1587.515+/-0.177 χ^2/NDF:448941.6/60

All: 1588.756+/-0.126 χ^2/NDF: 968355.4/117



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: -1750.332+/-1393.773 χ^2/NDF: 37.1/35

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

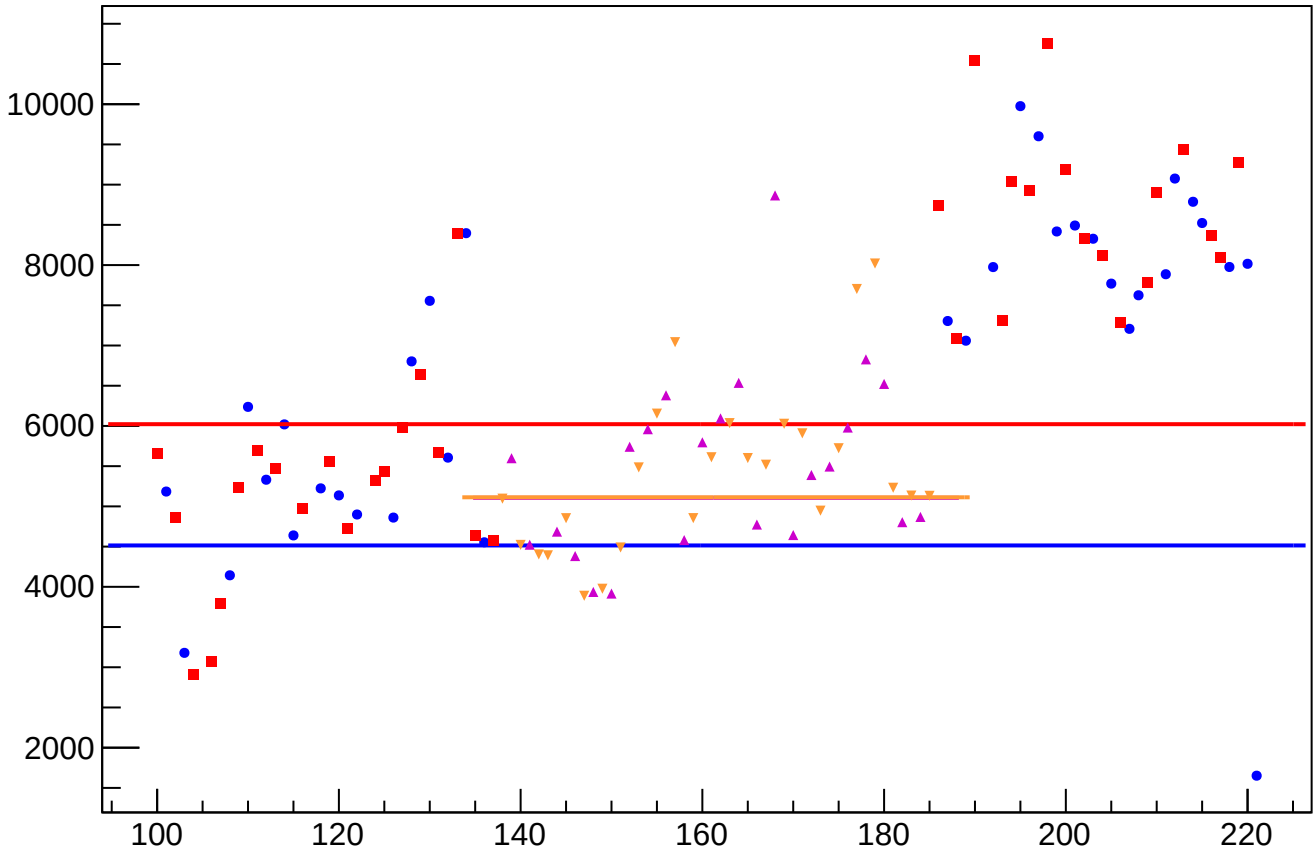
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: 615.107+/-875.934 χ^2/NDF: 84.2/69

In: 1118.627+/-826.729 χ^2/NDF:59.2/56

Out: -444.067+/-903.821 χ^2/NDF:65.4/60

All: 406.756+/-610.023 χ^2/NDF: 126.2/117



Right In: 4514.311+/-0.796 χ^2/NDF: 11315281.1/33

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

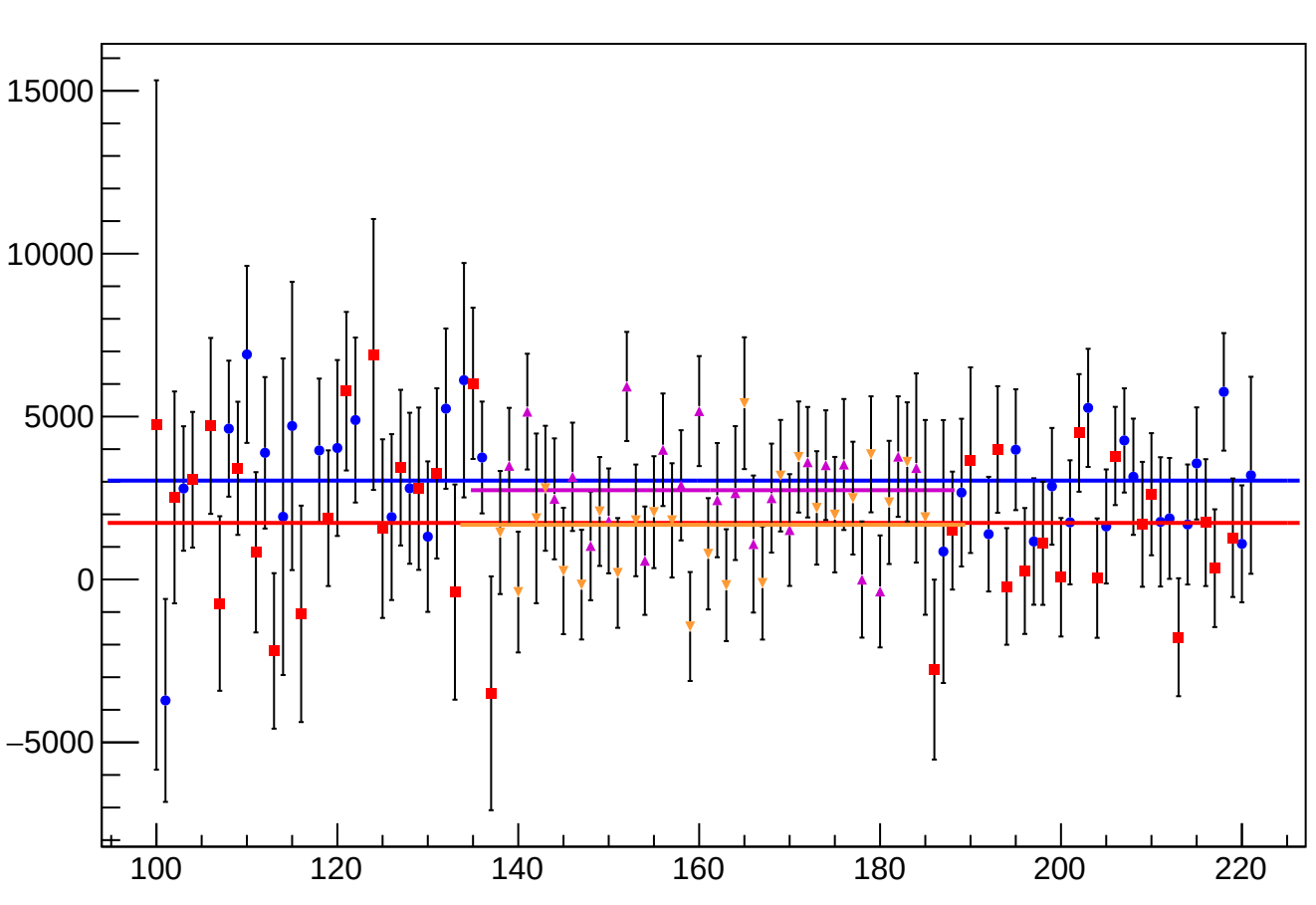
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5109.785+/-0.619 χ^2/NDF: 17424583.5/69

In: 4787.274+/-0.585 χ^2/NDF:12821790.8/56

Out: 5495.206+/-0.639 χ^2/NDF:6345411.1/60

All: 5109.766+/-0.431 χ^2/NDF: 19835259.4/1



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: 1735.760+/-365.751 χ^2/NDF: 35.0/35

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

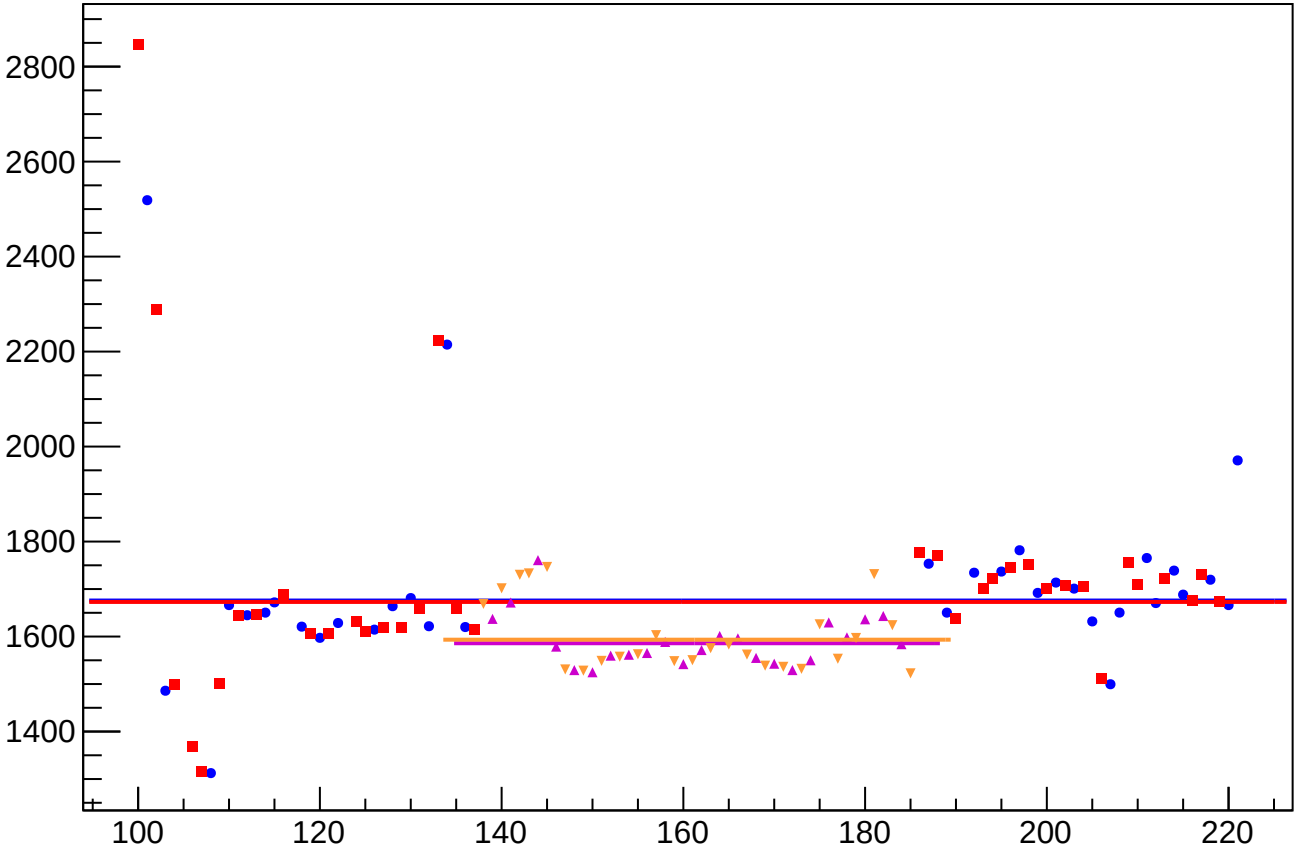
Right: 2390.100+/-257.631 χ^2/NDF: 62.8/69

In: 2890.634+/-259.310 χ^2/NDF:41.0/56

Out: 1707.200+/-257.429 χ^2/NDF:54.0/60

All: 2294.609+/-182.691 χ^2/NDF: 105.4/117

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

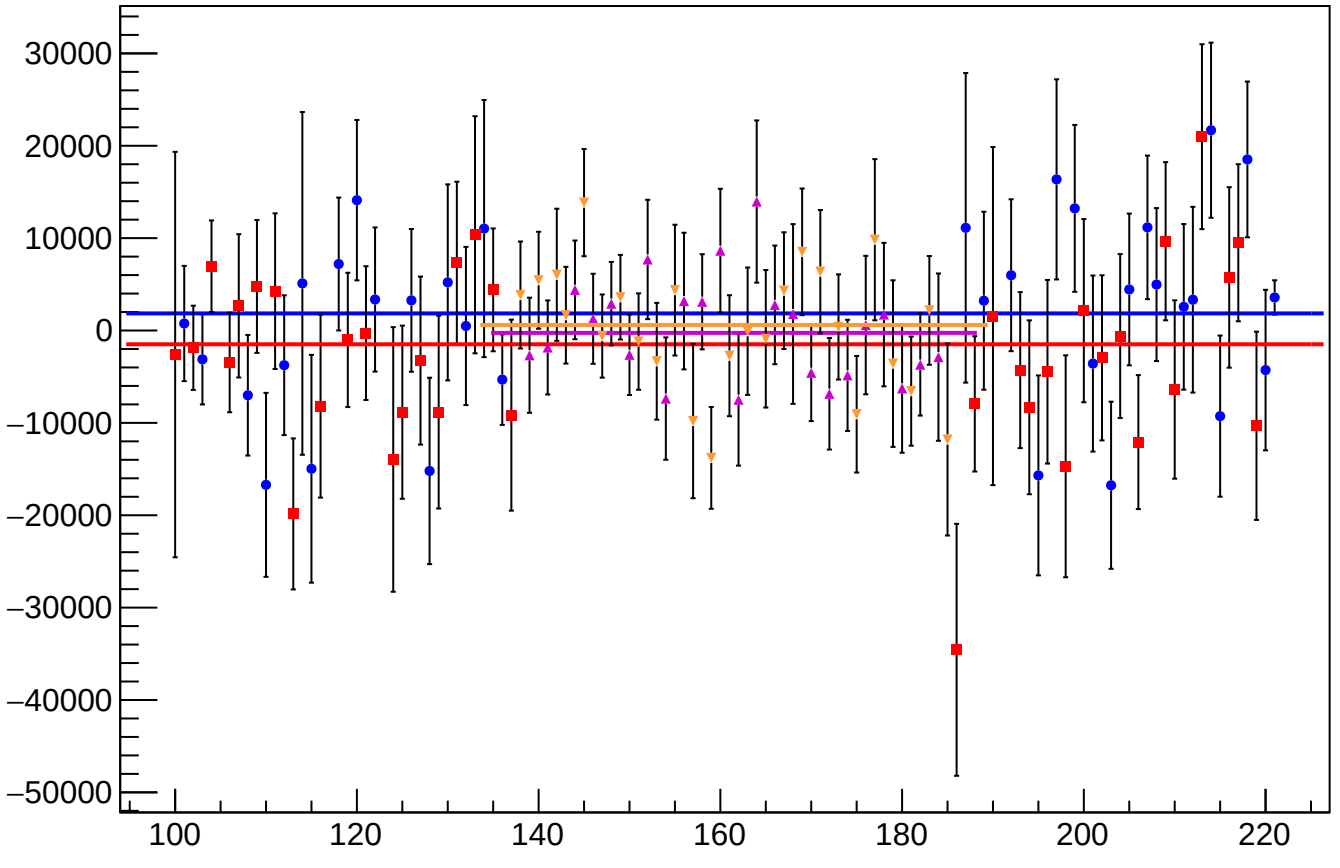
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1674.373+/-0.182 χ^2/NDF: 644556.9/69

In: 1631.809+/-0.183 χ^2/NDF:447499.1/56

Out: 1632.789+/-0.182 χ^2/NDF:418577.1/60

All: 1632.303+/-0.129 χ^2/NDF: 866090.6/117



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: -1491.182+/-1387.893 χ^2/NDF: 36.1/35

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

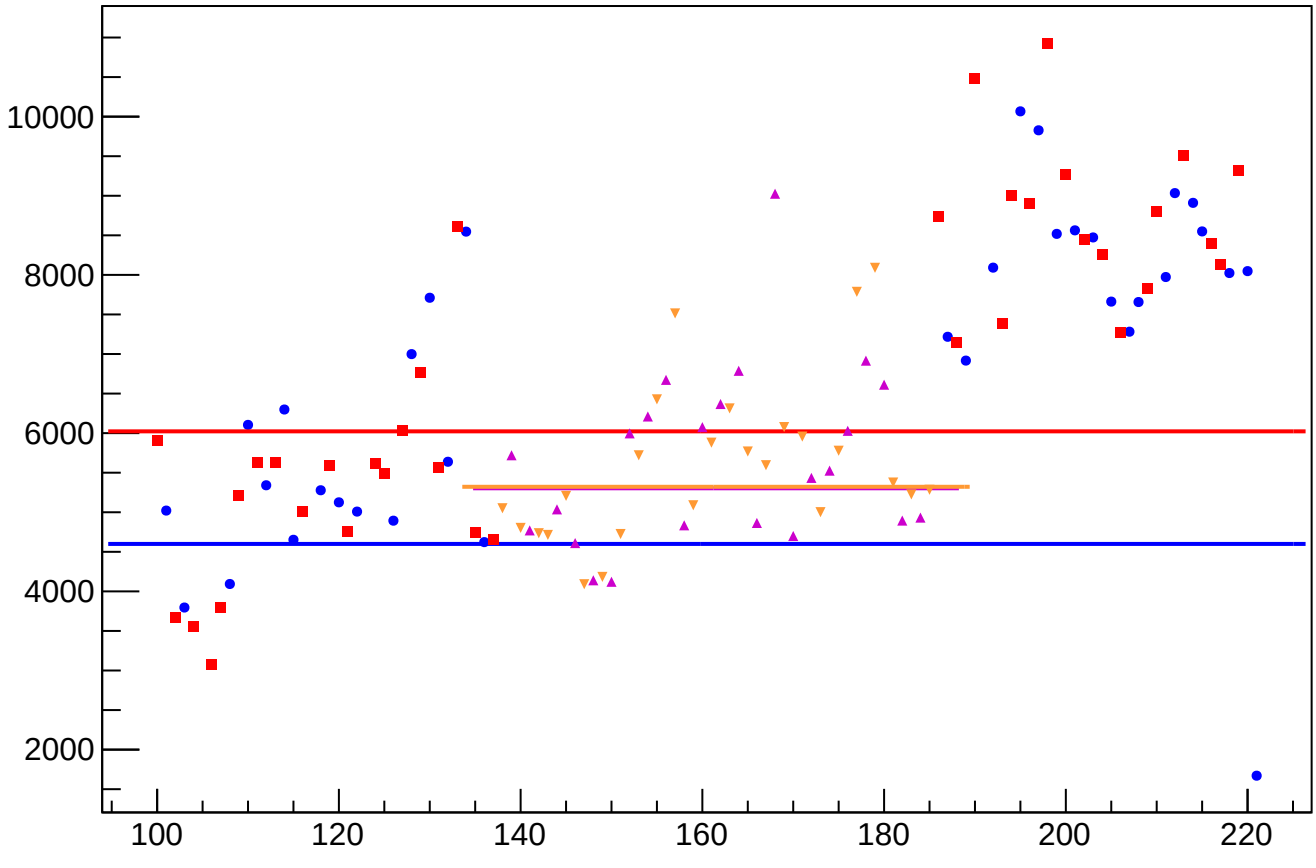
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: 498.742+/-882.900 χ^2/NDF: 80.7/69

In: 901.102+/-847.886 χ^2/NDF:57.3/56

Out: -321.884+/-922.014 χ^2/NDF:63.4/60

All: 340.741+/-624.109 χ^2/NDF: 121.6/117



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: 6022.568+/-0.981 χ^2/NDF: 4622871.7/35

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

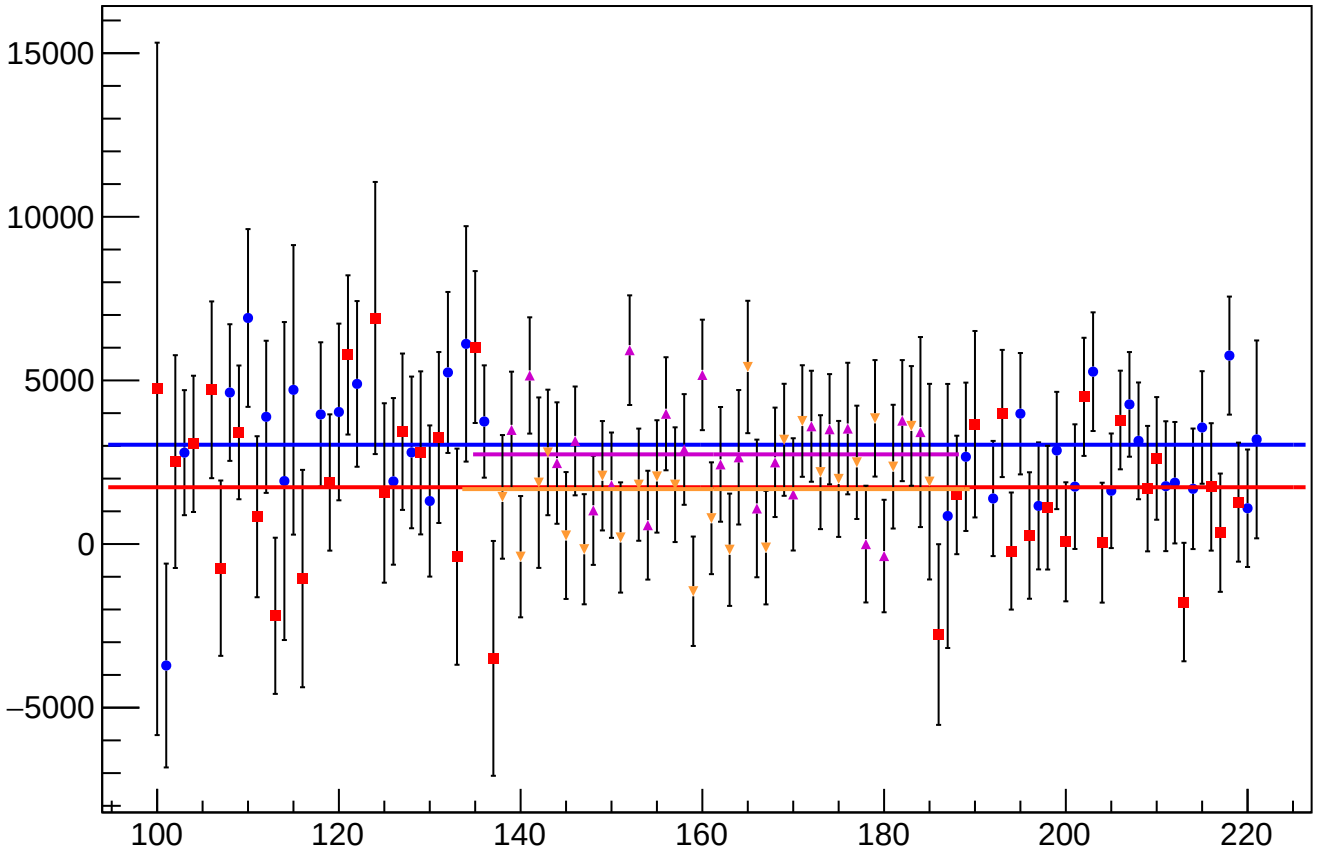
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5175.543+/-0.624 χ^2/NDF: 17021166.1/69

In: 4916.828+/-0.600 χ^2/NDF:12639873.3/56

Out: 5631.157+/-0.652 χ^2/NDF:5944608.1/60

All: 5244.127+/-0.441 χ^2/NDF: 19234907.5/1



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: 1735.764+/-365.751 χ^2/NDF: 35.0/35

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

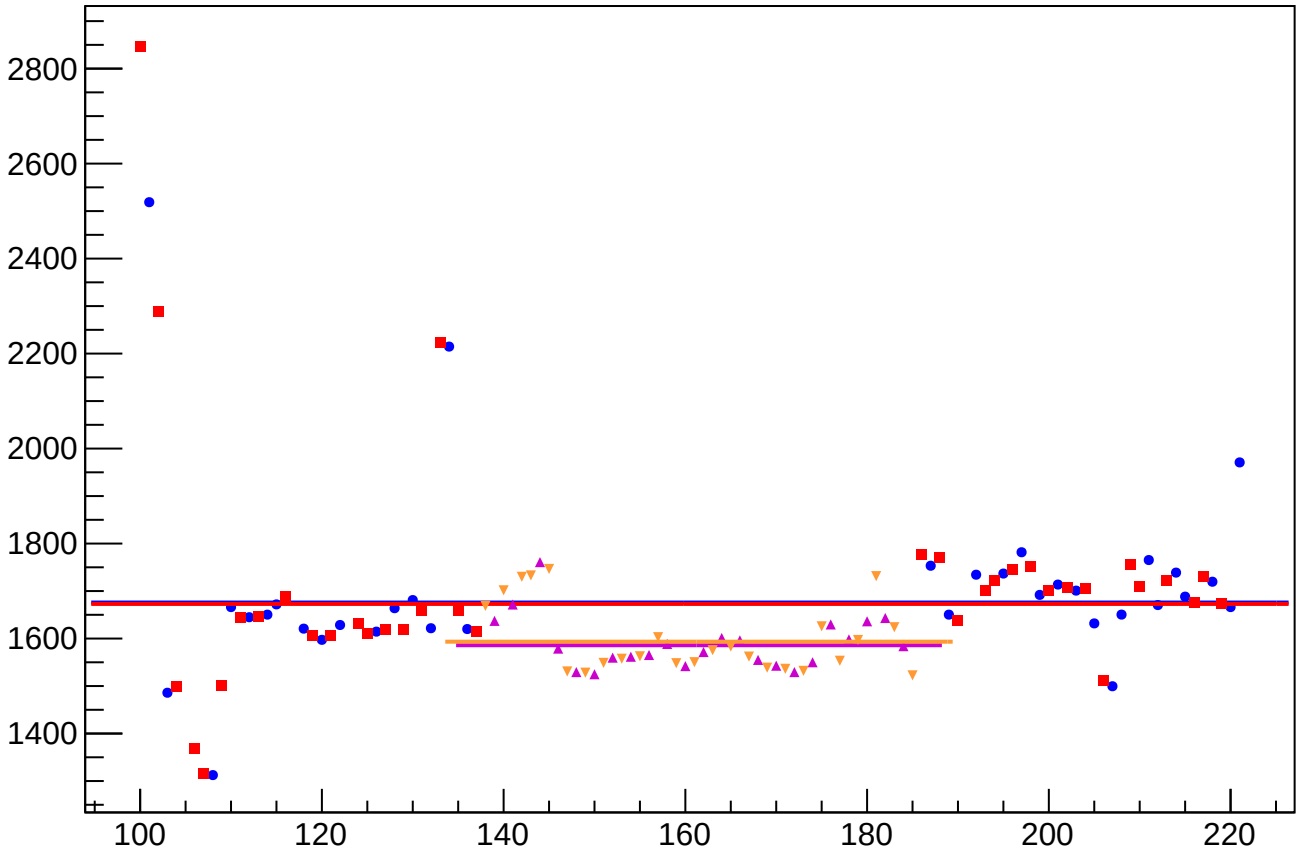
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2390.099+/-257.631 χ^2/NDF: 62.8/69

In: 2890.631+/-259.310 χ^2/NDF:41.0/56

Out: 1707.199+/-257.429 χ^2/NDF:54.0/60

All: 2294.606+/-182.691 χ^2/NDF: 105.4/117



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: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

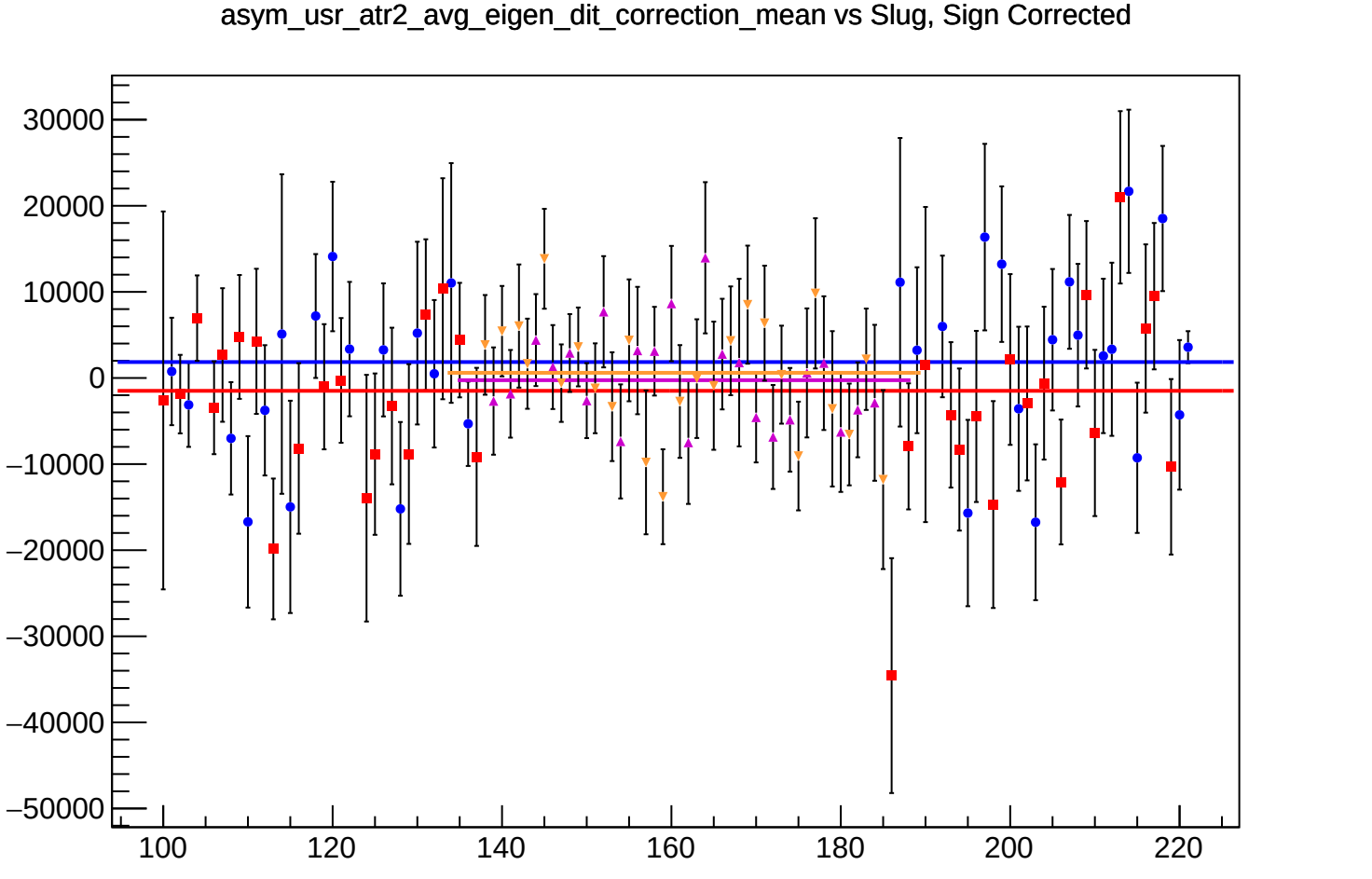
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1674.373+/-0.182 χ^2/NDF: 644557.3/69

In: 1631.810+/-0.183 χ^2/NDF:447497.6/56

Out: 1632.790+/-0.182 χ^2/NDF:418575.9/60

All: 1632.303+/-0.129 χ^2/NDF: 866087.9/117



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: -1491.179+/-1387.892 χ^2/NDF: 36.1/35

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

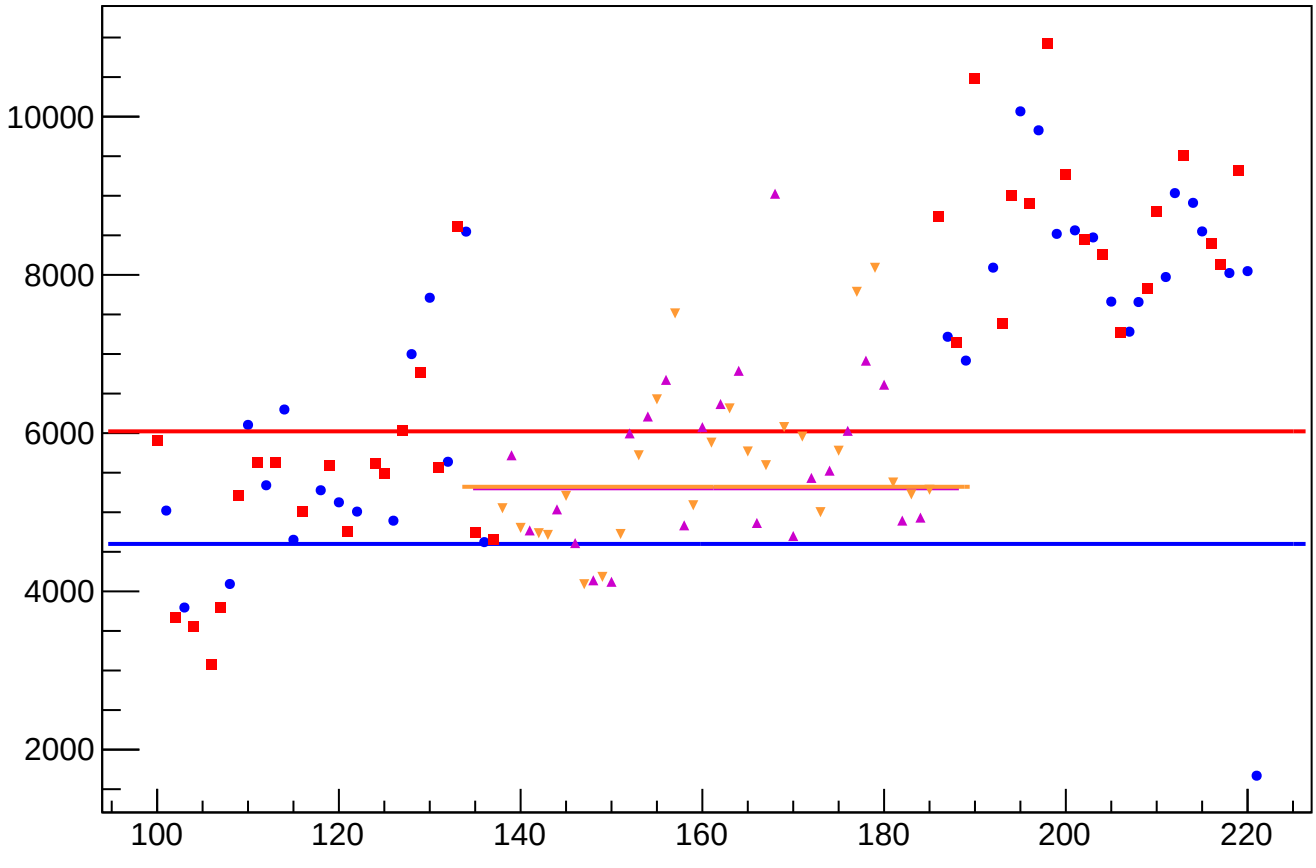
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: 498.742+/-882.899 χ^2/NDF: 80.7/69

In: 901.103+/-847.887 χ^2/NDF:57.3/56

Out: -321.887+/-922.015 χ^2/NDF:63.4/60

All: 340.740+/-624.110 χ^2/NDF: 121.6/117



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: 6022.563+/-0.981 χ^2/NDF: 4622892.9/35

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

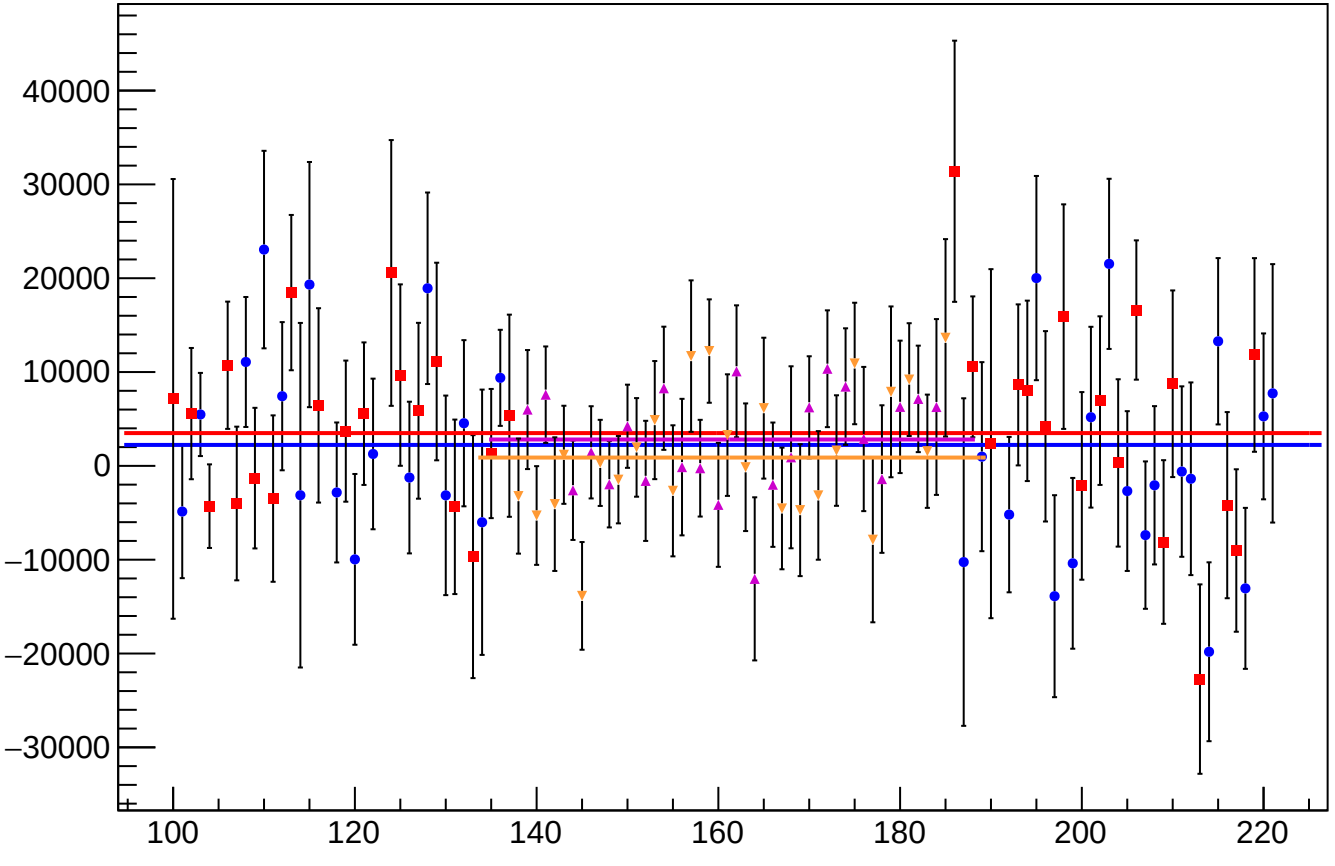
Right: 5175.540+/-0.624 χ^2/NDF: 17021195.5/69

In: 4916.830+/-0.600 χ^2/NDF:12639899.6/56

Out: 5631.161+/-0.652 χ^2/NDF:5944619.4/60

All: 5244.129+/-0.441 χ^2/NDF: 19234947.4/1

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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: 3494.147+/-1461.684 χ^2/NDF: 36.4/35

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

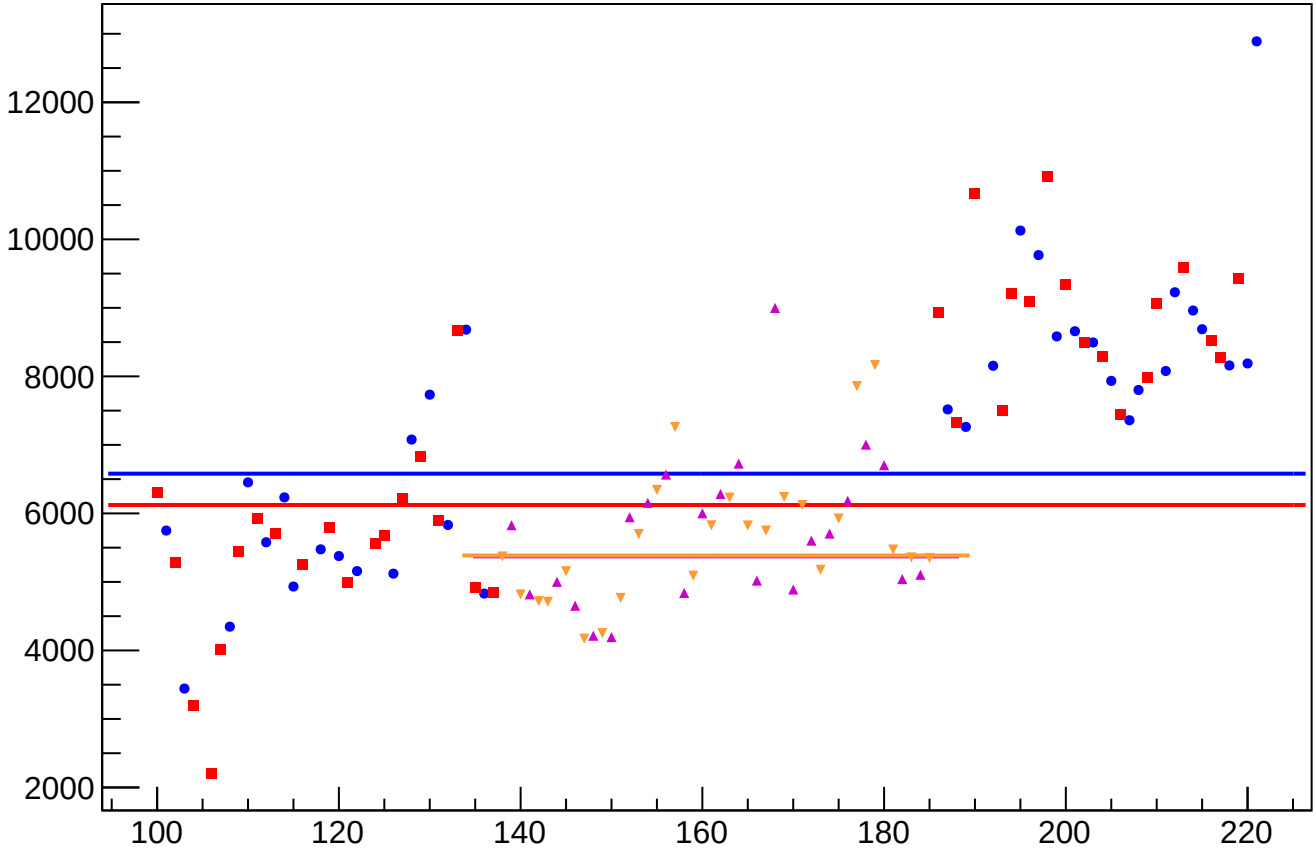
Right: 2868.023+/-1037.180 χ^2/NDF: 79.2/69

In: 2562.595+/-964.689 χ^2/NDF:57.3/56

Out: 1983.839+/-948.453 χ^2/NDF:63.9/60

All: 2268.306+/-676.325 χ^2/NDF: 121.3/117

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: 6122.424+/-1.009 χ^2/NDF: 5142097.8/35

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

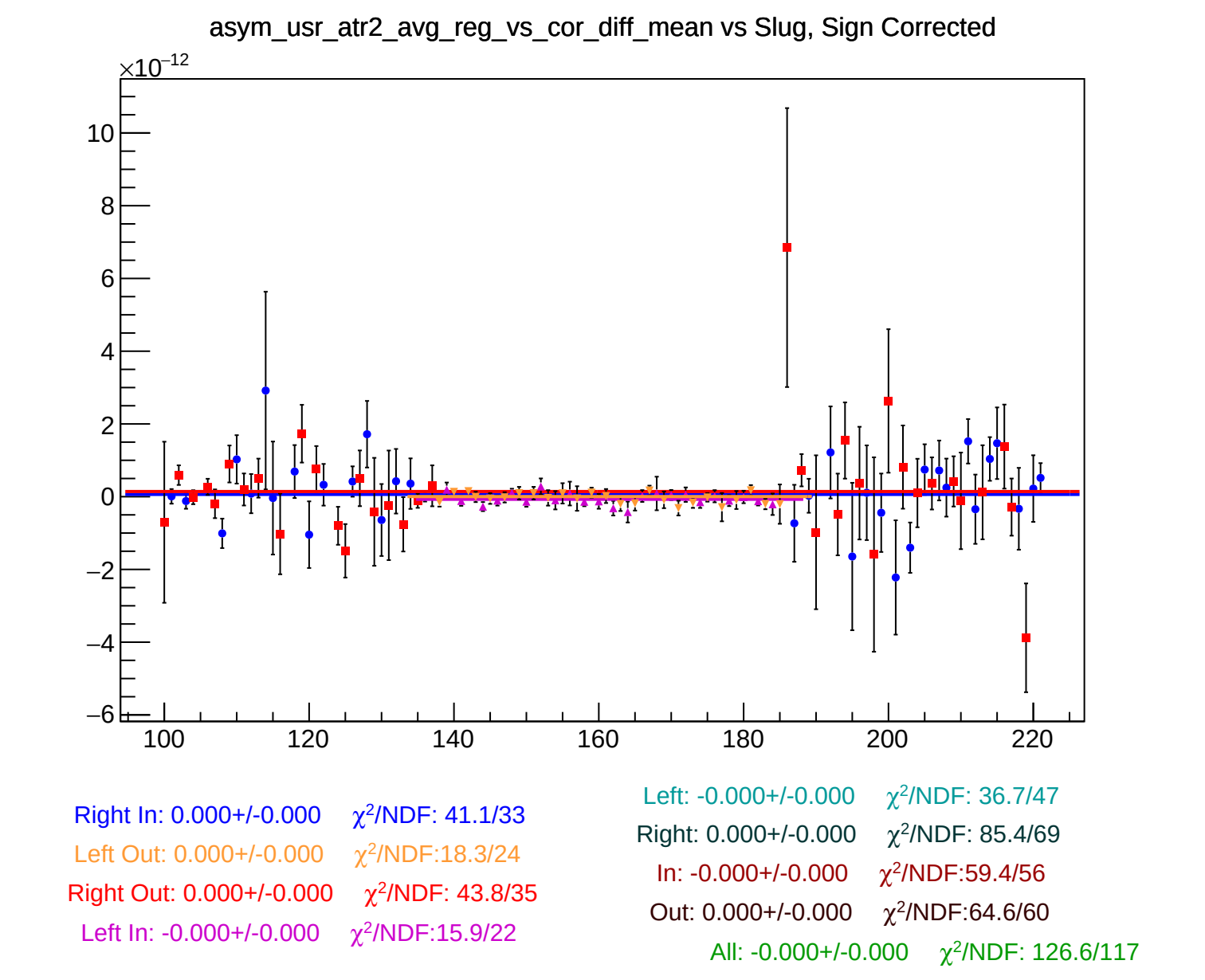
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

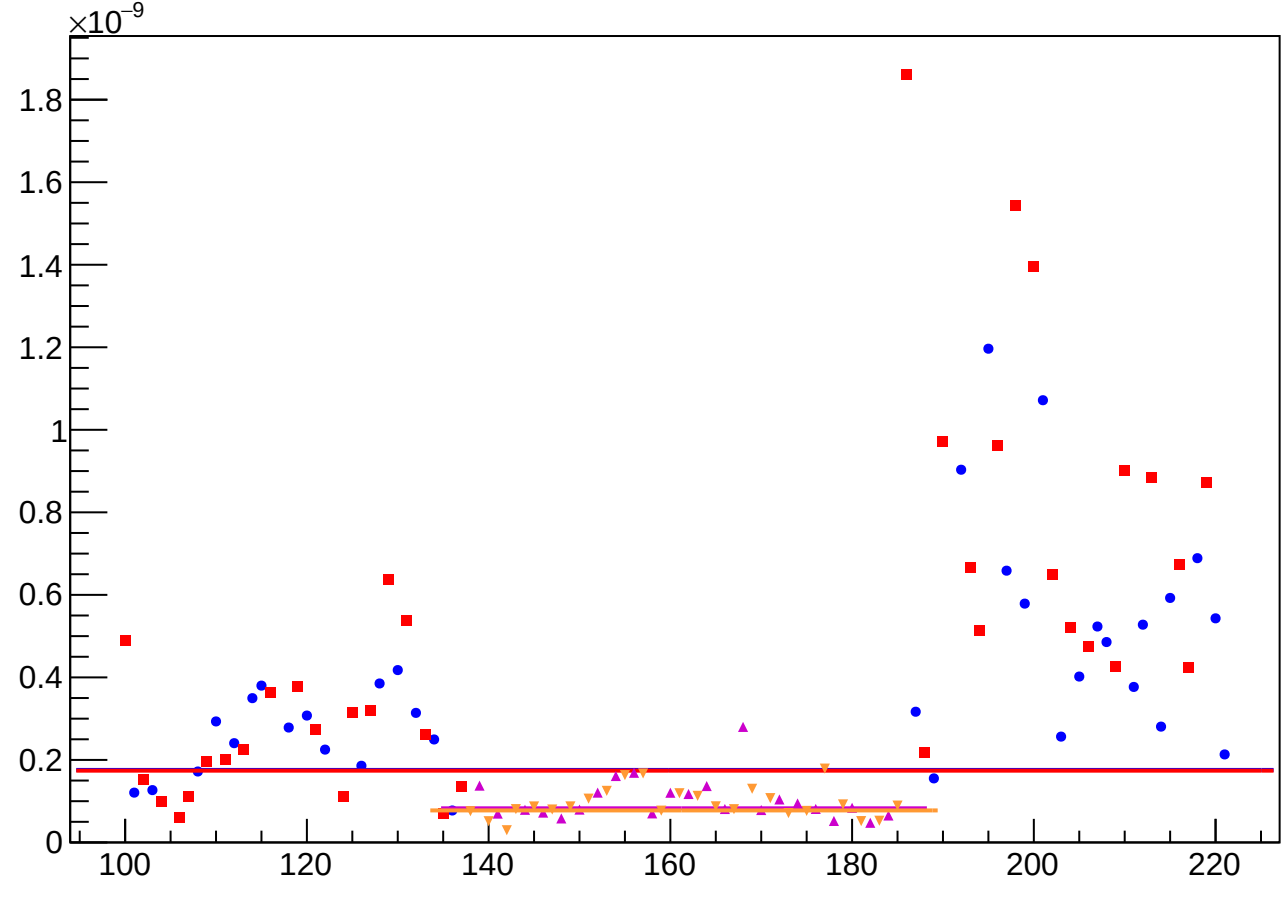
Right: 6344.132+/-0.725 χ^2/NDF: 8916984.2/69

In: 5891.346+/-0.682 χ^2/NDF:5514411.2/56

Out: 5704.482+/-0.664 χ^2/NDF:6431554.8/60

All: 5795.375+/-0.476 χ^2/NDF: 11984506.4/1


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: 43.8/35
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: 85.4/69
In: -0.000+/-0.000 χ²/NDF:59.4/56
Out: 0.000+/-0.000 χ²/NDF:64.6/60
All: -0.000+/-0.000 χ²/NDF: 126.6/117



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: 8825827.0/35

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

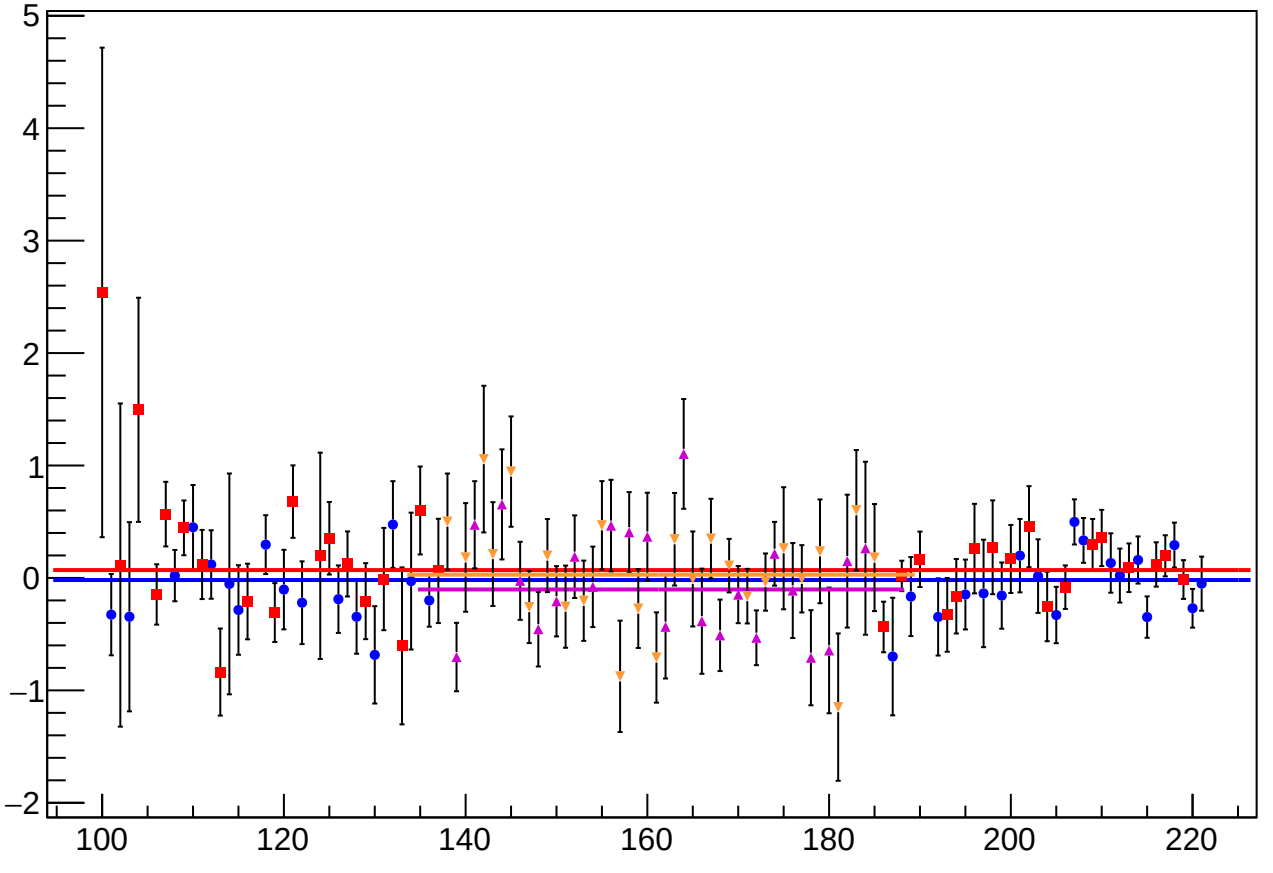
Right: 0.000+/-0.000 χ^2/NDF: 15684638.8/69

In: 0.000+/-0.000 χ^2/NDF:10798972.9/56

Out: 0.000+/-0.000 χ^2/NDF:12781187.3/60

All: 0.000+/-0.000 χ^2/NDF: 23649449.0/117

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: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

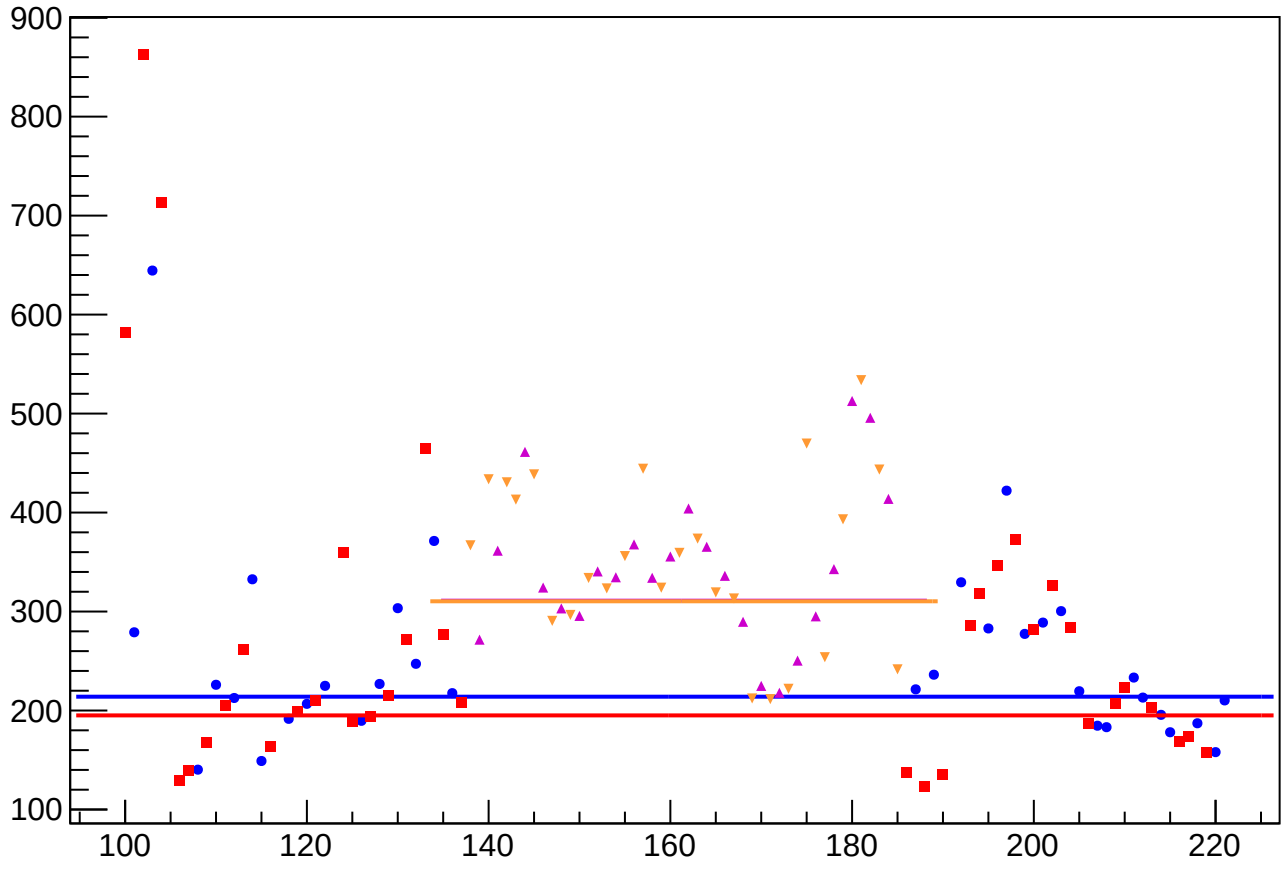
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.028+/-0.033 χ^2/NDF: 75.8/69

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.010+/-0.028 χ^2/NDF: 136.0/117



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: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

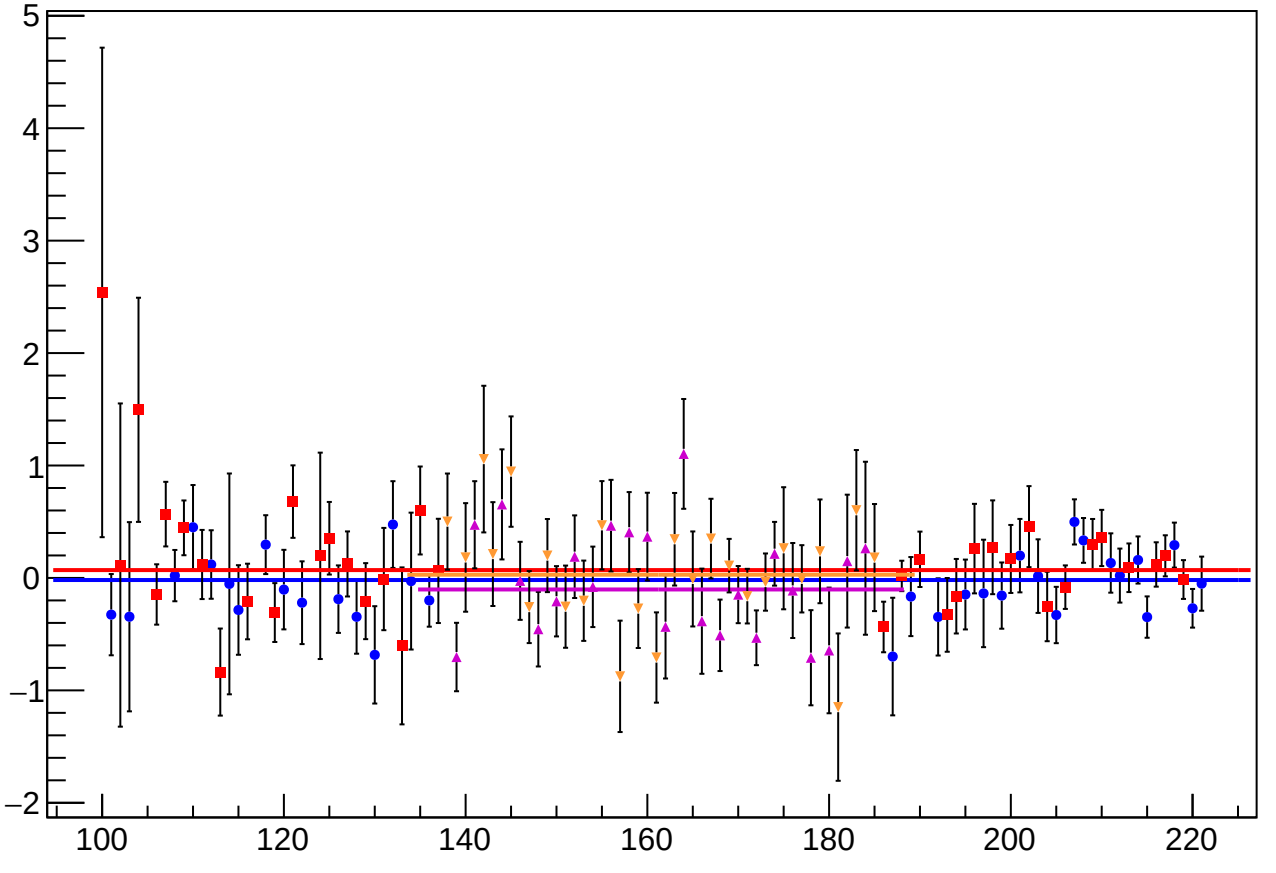
Right: 204.110+/-0.024 χ^2/NDF: 7354199.8/69

In: 241.769+/-0.029 χ^2/NDF:6550692.0/56

Out: 227.040+/-0.028 χ^2/NDF:10361208.0/60

All: 234.128+/-0.020 χ^2/NDF: 17046975.3/11

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: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

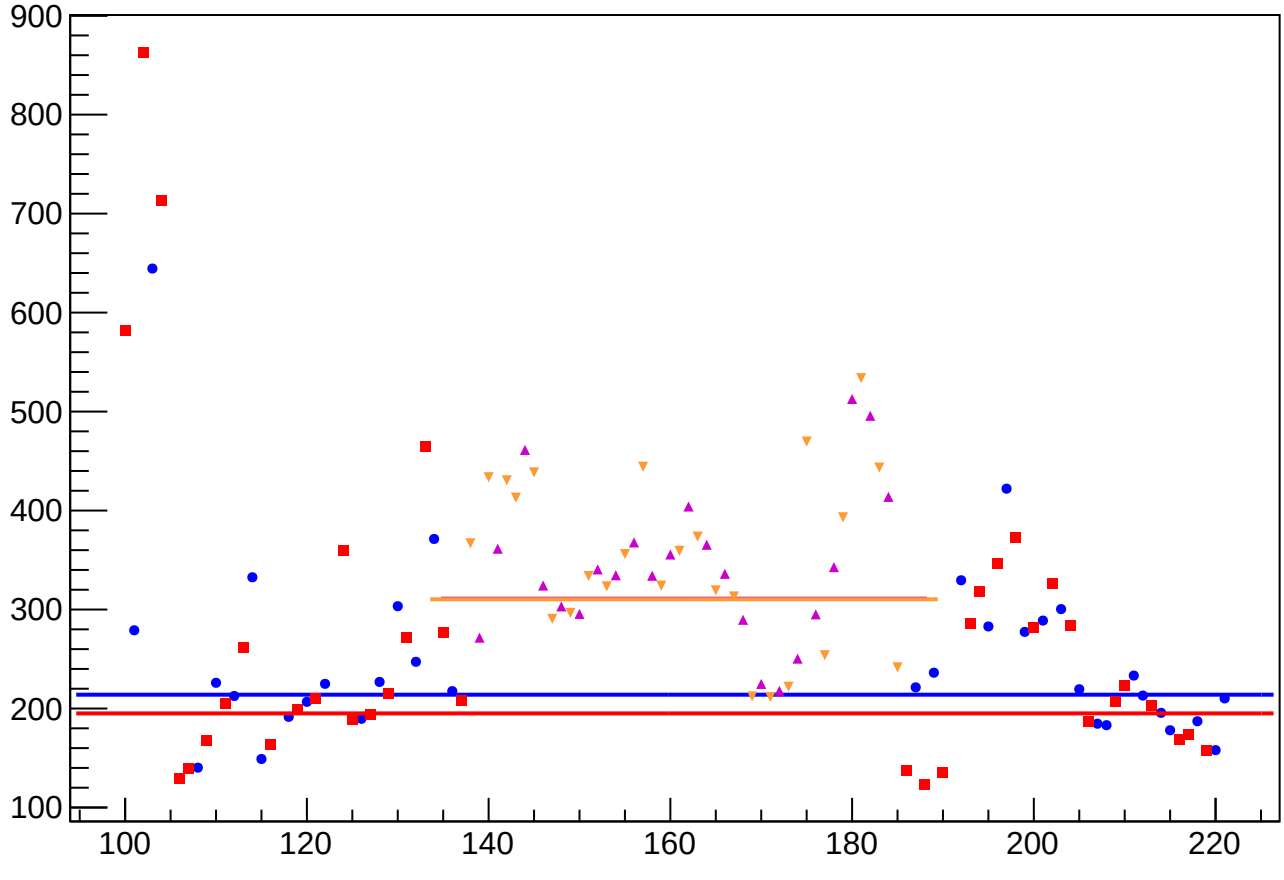
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.028+/-0.033 χ^2/NDF: 75.8/69

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.010+/-0.028 χ^2/NDF: 136.0/117



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: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

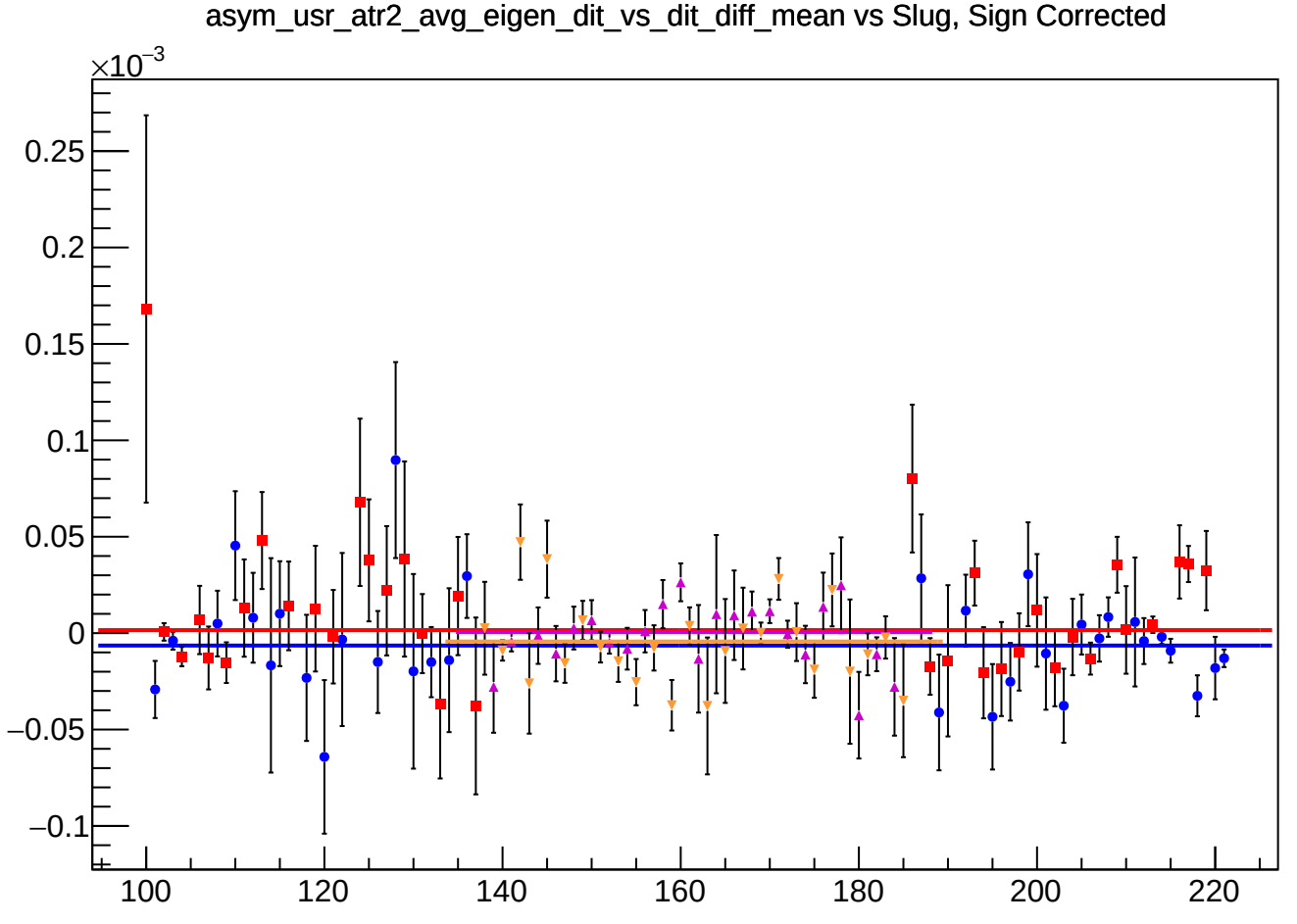
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 204.110+/-0.024 χ^2/NDF: 7354199.8/69

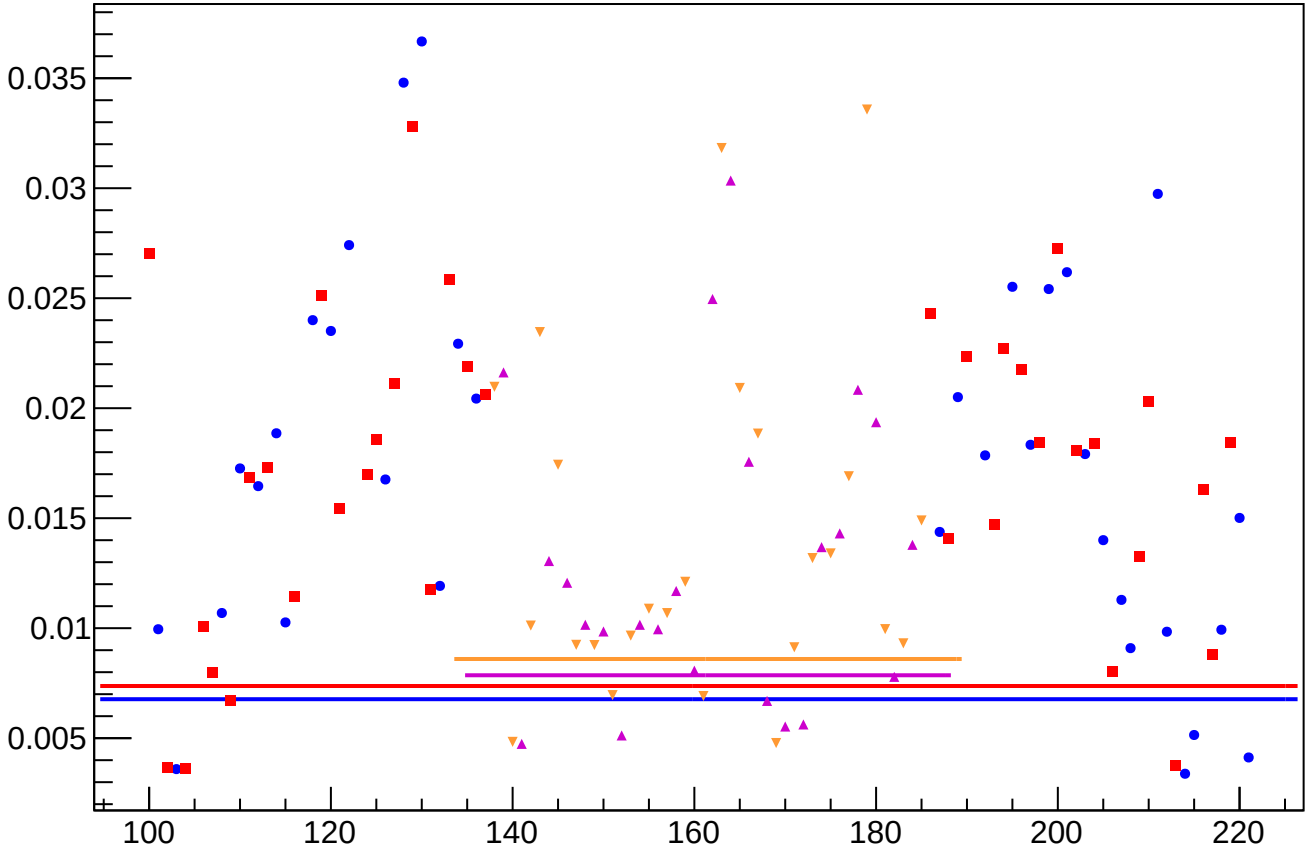
In: 241.769+/-0.029 χ^2/NDF:6550692.0/56

Out: 227.040+/-0.028 χ^2/NDF:10361208.0/60

All: 234.128+/-0.020 χ^2/NDF: 17046975.3/11


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
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:42.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 64.7/35
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 113.0/69
In: -0.000+/-0.000 χ²/NDF:72.7/56
Out: -0.000+/-0.000 χ²/NDF:110.7/60
All: -0.000+/-0.000 χ²/NDF: 184.6/117

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.007+/-0.000 χ^2/NDF: 15656523.3/35

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

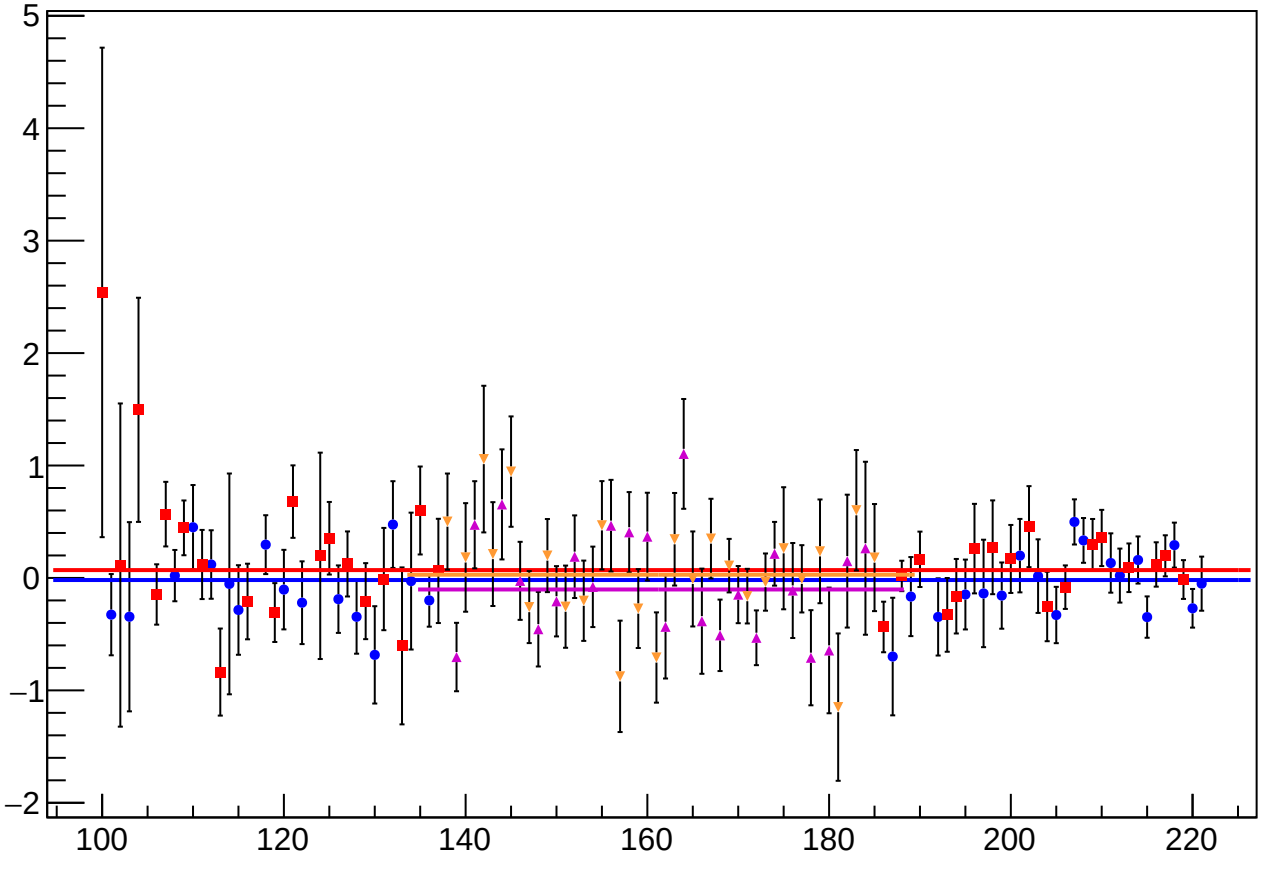
Right: 0.007+/-0.000 χ^2/NDF: 32339235.8/69

In: 0.007+/-0.000 χ^2/NDF:23658124.0/56

Out: 0.008+/-0.000 χ^2/NDF:23633036.9/60

All: 0.008+/-0.000 χ^2/NDF: 47504050.2/117

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: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

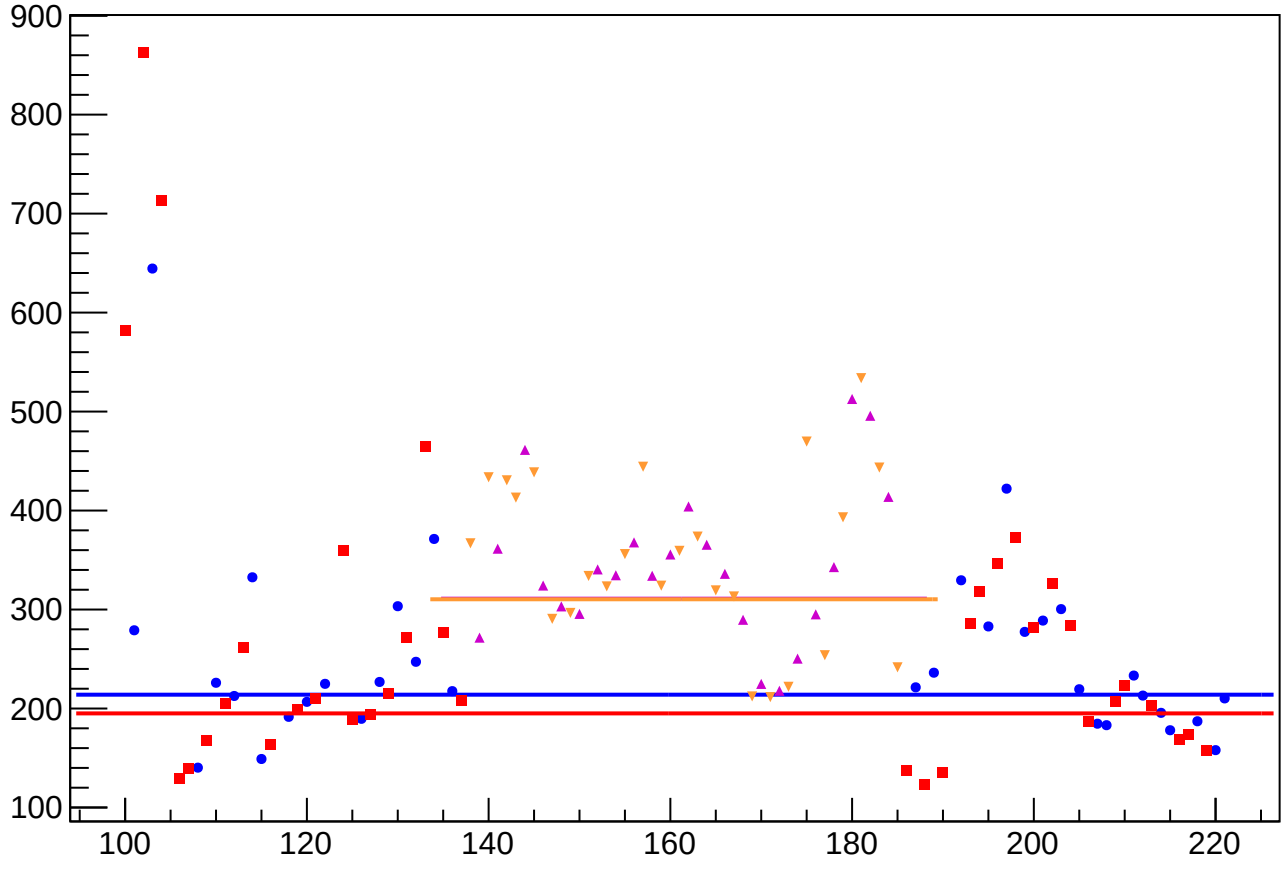
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.028+/-0.033 χ^2/NDF: 75.8/69

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.010+/-0.028 χ^2/NDF: 135.9/117



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: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

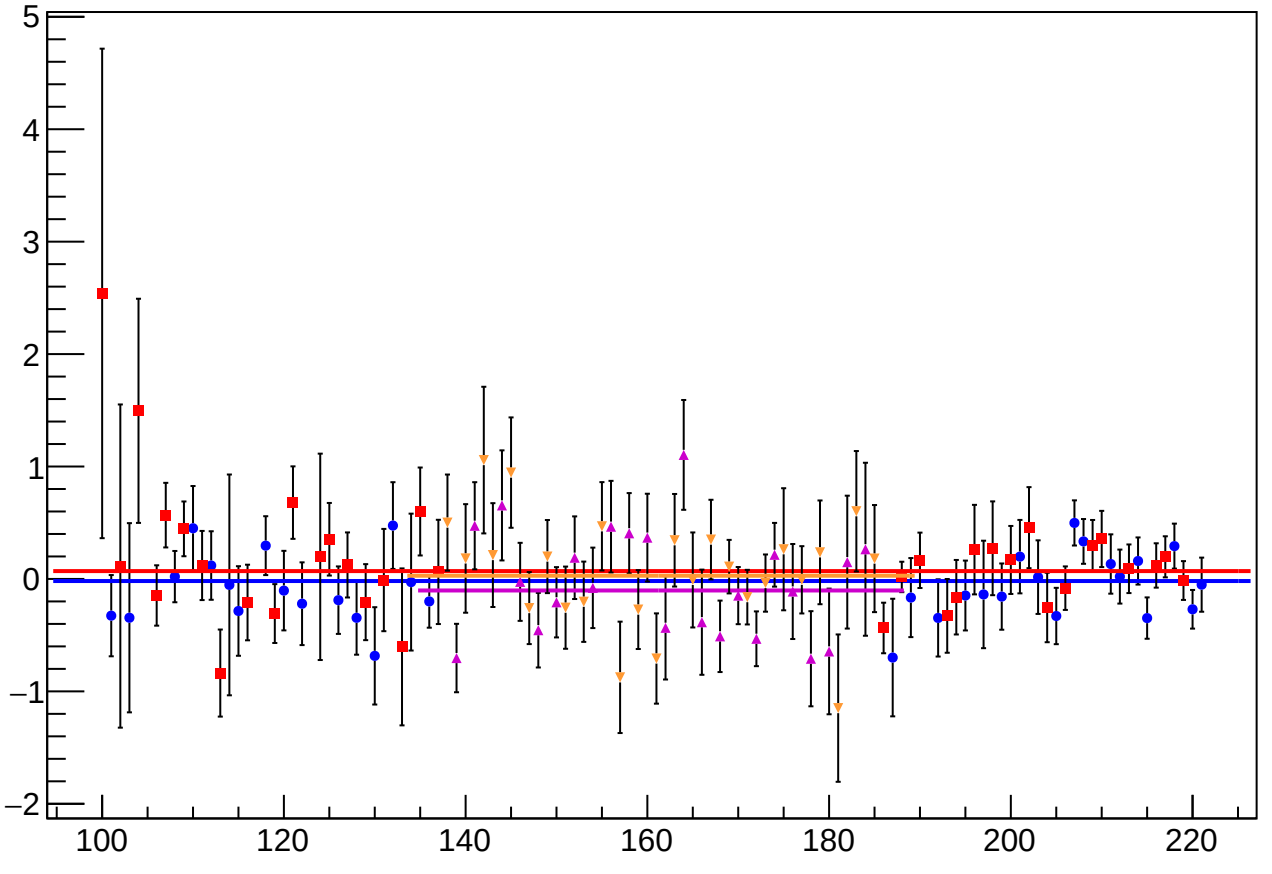
Right: 204.109+/-0.024 χ^2/NDF: 7354342.9/69

In: 241.769+/-0.029 χ^2/NDF:6550876.6/56

Out: 227.039+/-0.028 χ^2/NDF:10361632.6/60

All: 234.128+/-0.020 χ^2/NDF: 17047606.8/11

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: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

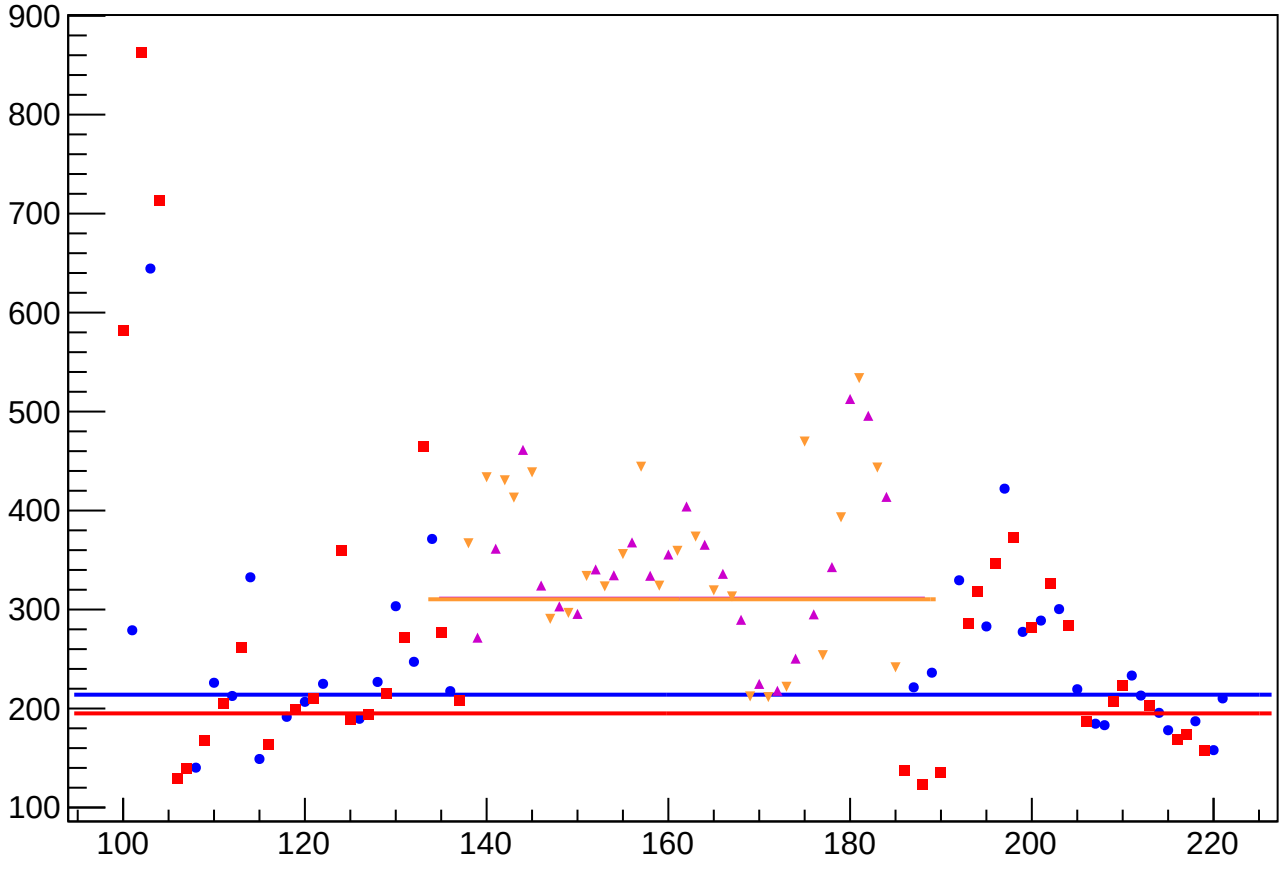
Right: 0.028+/-0.033 χ^2/NDF: 75.8/69

In: -0.043+/-0.041 χ^2/NDF:67.8/56

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.010+/-0.028 χ^2/NDF: 135.9/117

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

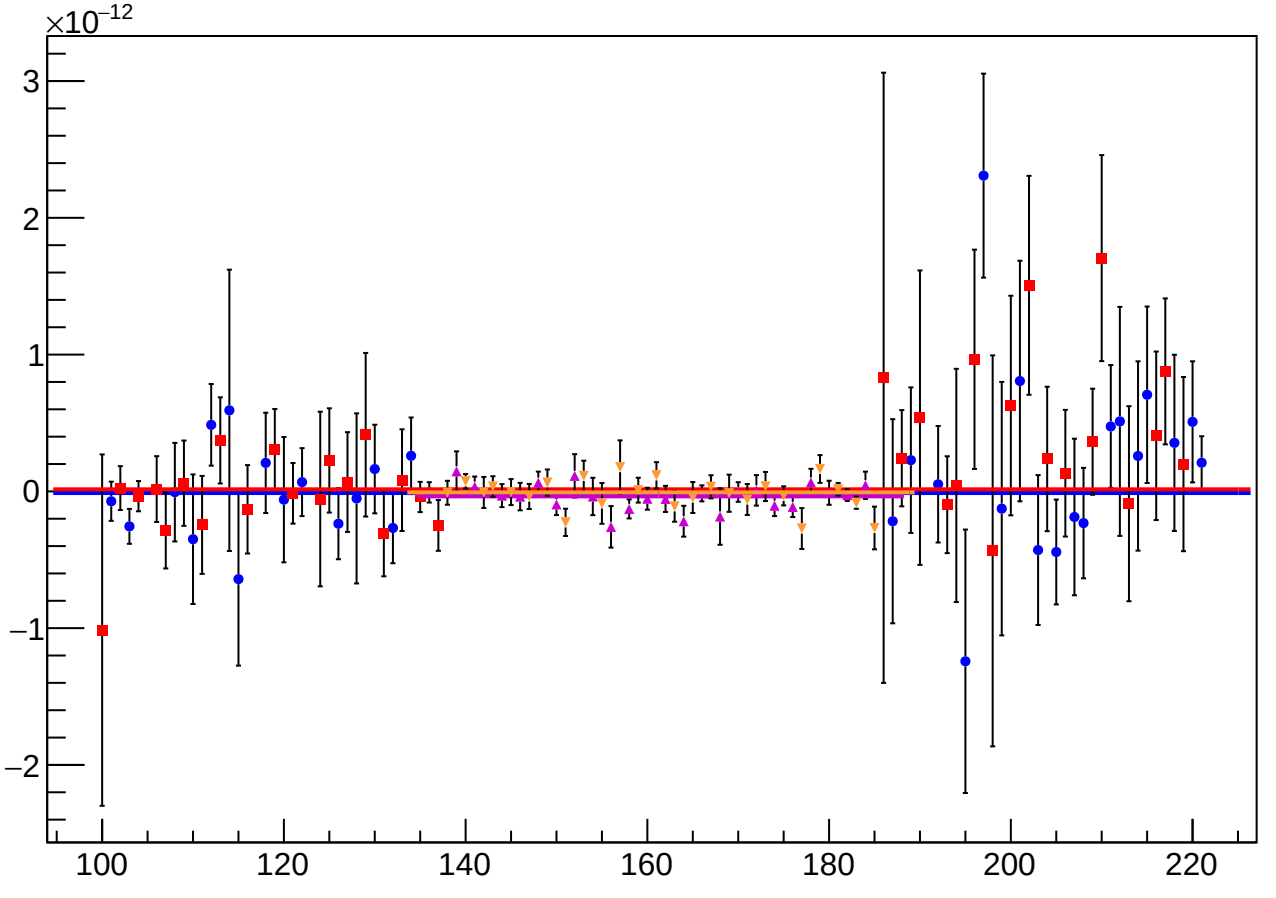
Right: 204.109+/-0.024 χ^2/NDF: 7354342.9/69

In: 241.769+/-0.029 χ^2/NDF:6550876.6/56

Out: 227.039+/-0.028 χ^2/NDF:10361632.6/60

All: 234.128+/-0.020 χ^2/NDF: 17047606.8/11

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: 24.8/35

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

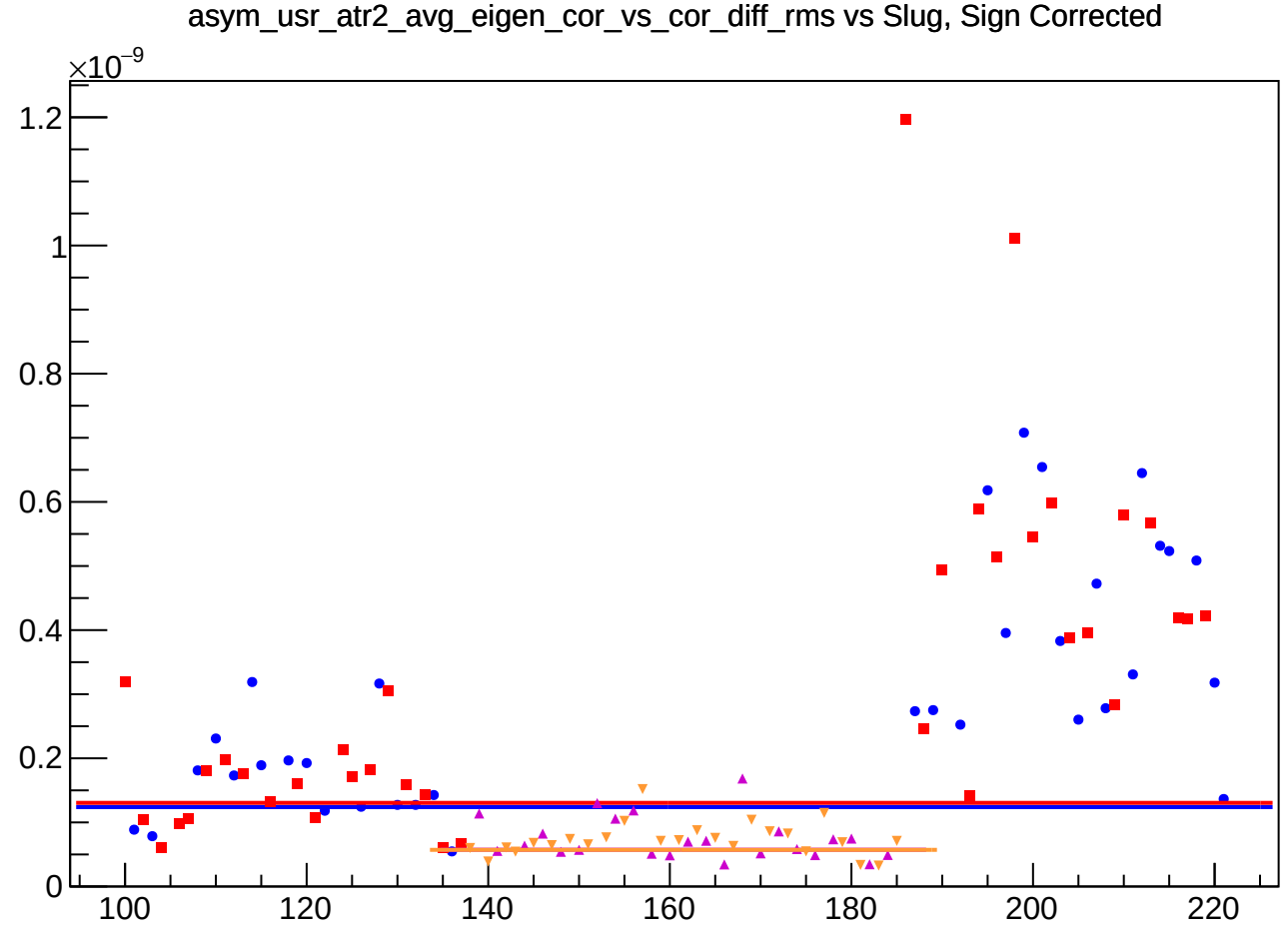
Left: -0.000+/-0.000 χ^2/NDF: 44.0/47

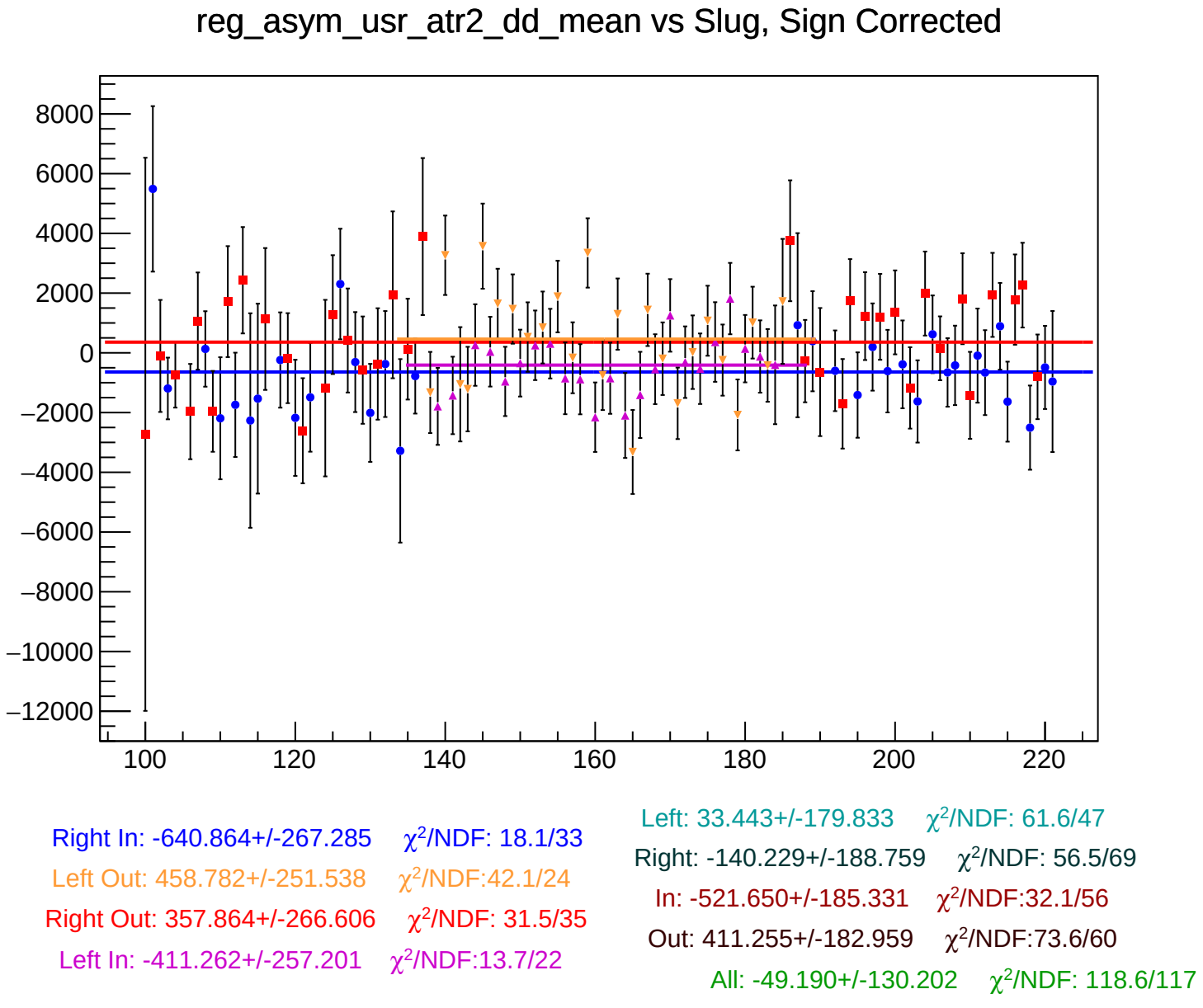
Right: 0.000+/-0.000 χ^2/NDF: 57.6/69

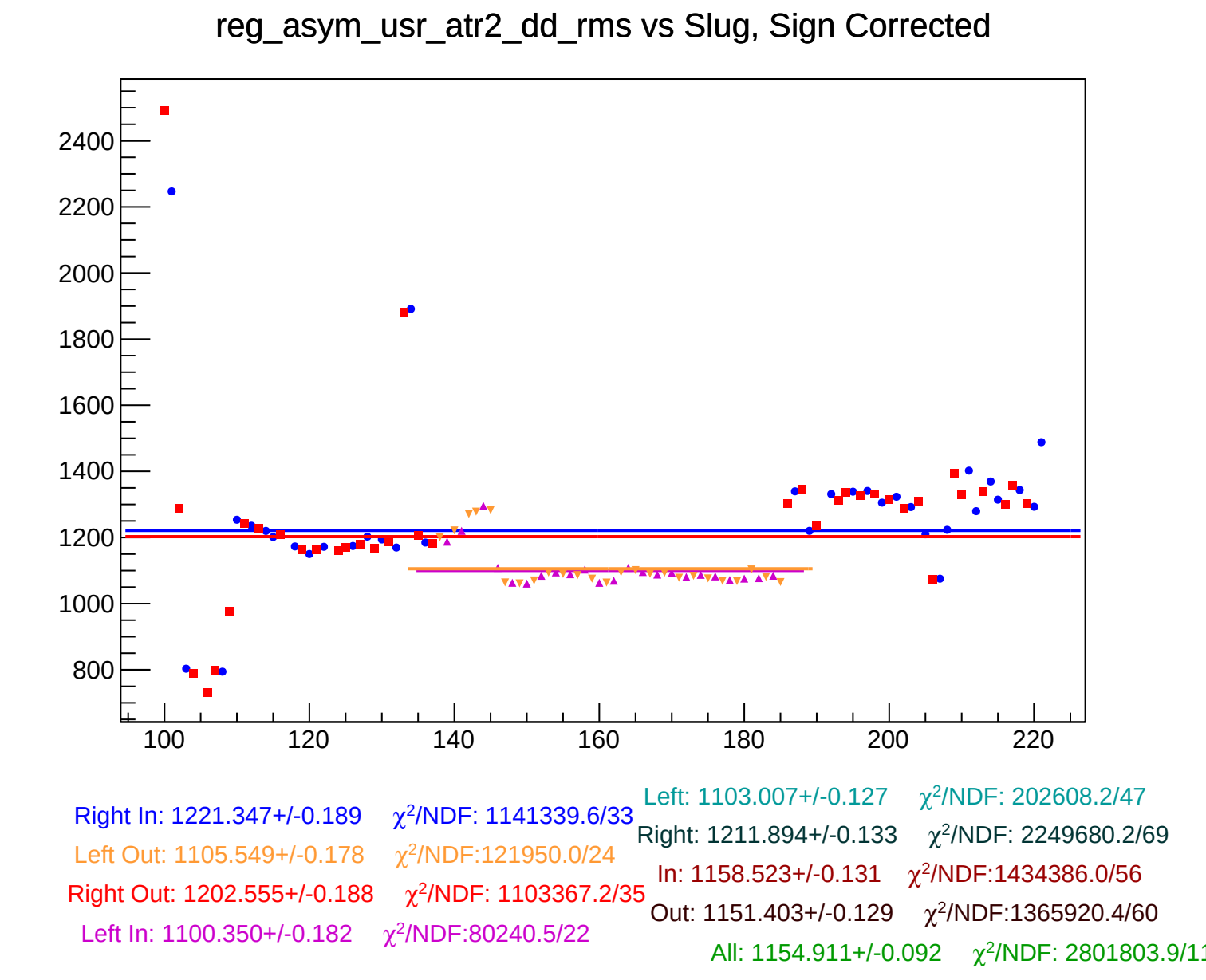
In: -0.000+/-0.000 χ^2/NDF:49.6/56

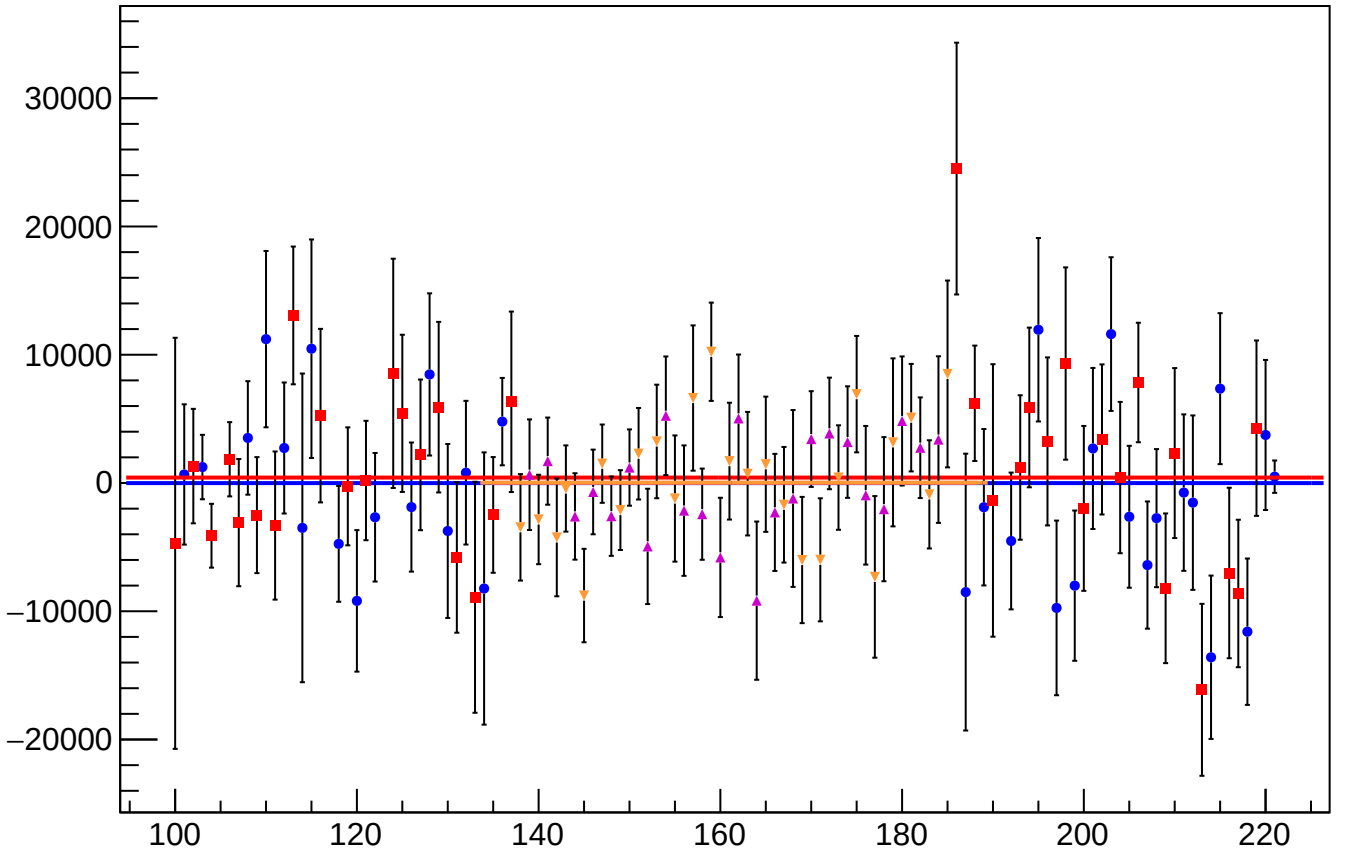
Out: -0.000+/-0.000 χ^2/NDF:50.8/60

All: -0.000+/-0.000 χ^2/NDF: 102.0/117


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10963204.2/33
Left Out: 0.000+/-0.000 χ²/NDF:3337849.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 10725358.3/35
Left In: 0.000+/-0.000 χ²/NDF:3299416.7/22
Left: 0.000+/-0.000 χ²/NDF: 6637359.5/47
Right: 0.000+/-0.000 χ²/NDF: 21707963.4/69
In: 0.000+/-0.000 χ²/NDF:17978588.5/56
Out: 0.000+/-0.000 χ²/NDF:18081442.2/60
All: 0.000+/-0.000 χ²/NDF: 36061925.1/117


reg_asym_usr_atr2_dd_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: -640.864+/-267.285 χ²/NDF: 18.1/33
Left Out: 458.782+/-251.538 χ²/NDF:42.1/24
Right Out: 357.864+/-266.606 χ²/NDF: 31.5/35
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -140.229+/-188.759 χ²/NDF: 56.5/69
In: -521.650+/-185.331 χ²/NDF:32.1/56
Out: 411.255+/-182.959 χ²/NDF:73.6/60
All: -49.190+/-130.202 χ²/NDF: 118.6/117


reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
220
Right In: 1221.347+/-0.189 χ²/NDF: 1141339.6/33
Left Out: 1105.549+/-0.178 χ²/NDF:121950.0/24
Right Out: 1202.555+/-0.188 χ²/NDF: 1103367.2/35
Left In: 1100.350+/-0.182 χ²/NDF:80240.5/22
Left: 1103.007+/-0.127 χ²/NDF: 202608.2/47
Right: 1211.894+/-0.133 χ²/NDF: 2249680.2/69
In: 1158.523+/-0.131 χ²/NDF:1434386.0/56
Out: 1151.403+/-0.129 χ²/NDF:1365920.4/60
All: 1154.911+/-0.092 χ²/NDF: 2801803.9/11



Right In: -8.478+/-756.016 χ^2/NDF: 39.5/33

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 422.480+/-894.446 χ^2/NDF: 42.1/35

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

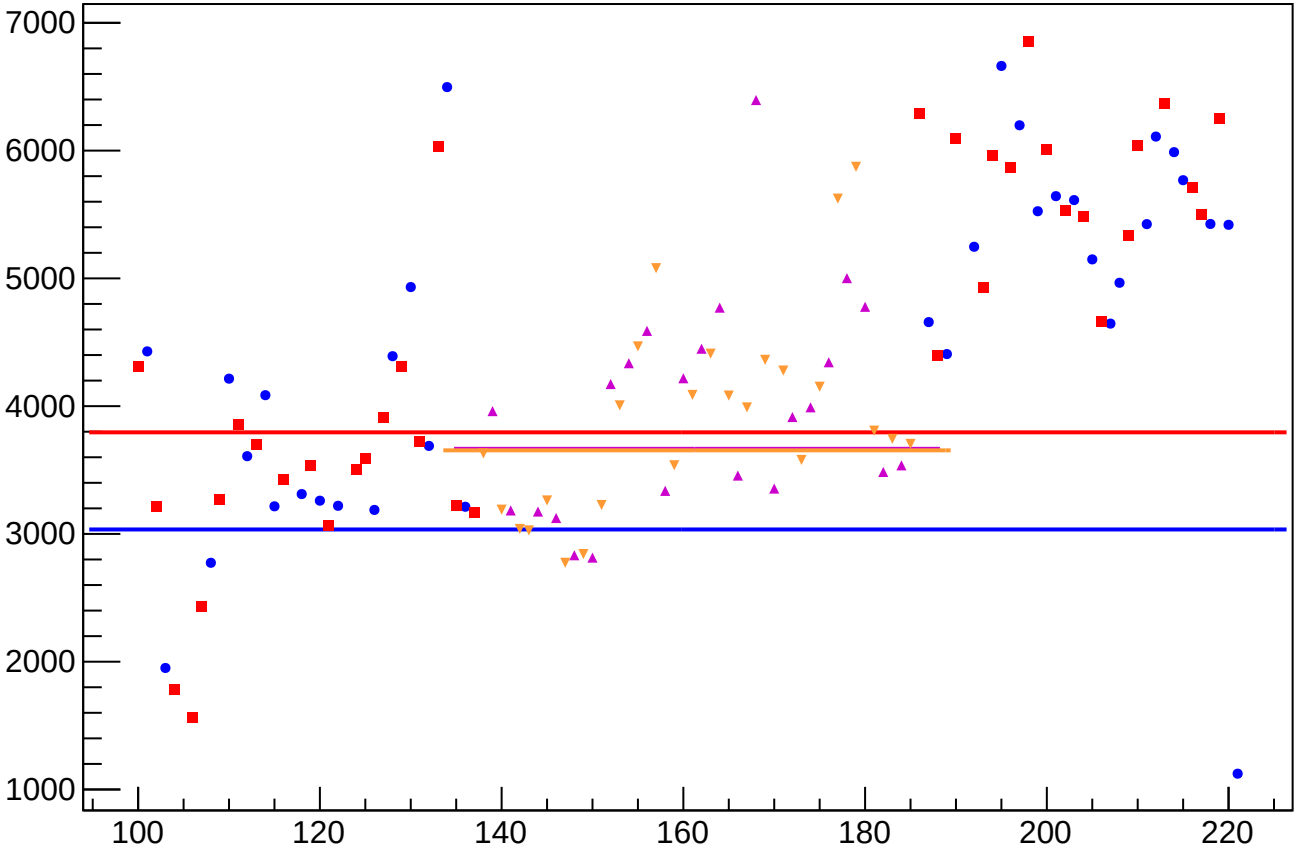
Right: 171.108+/-577.394 χ^2/NDF: 81.8/69

In: -2.156+/-572.134 χ^2/NDF:53.5/56

Out: 212.856+/-616.308 χ^2/NDF:70.7/60

All: 97.369+/-419.308 χ^2/NDF: 124.3/117

asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3034.949+/-0.535 χ^2/NDF: 11239999.9/33

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3795.073+/-0.632 χ^2/NDF: 5984356.9/35

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

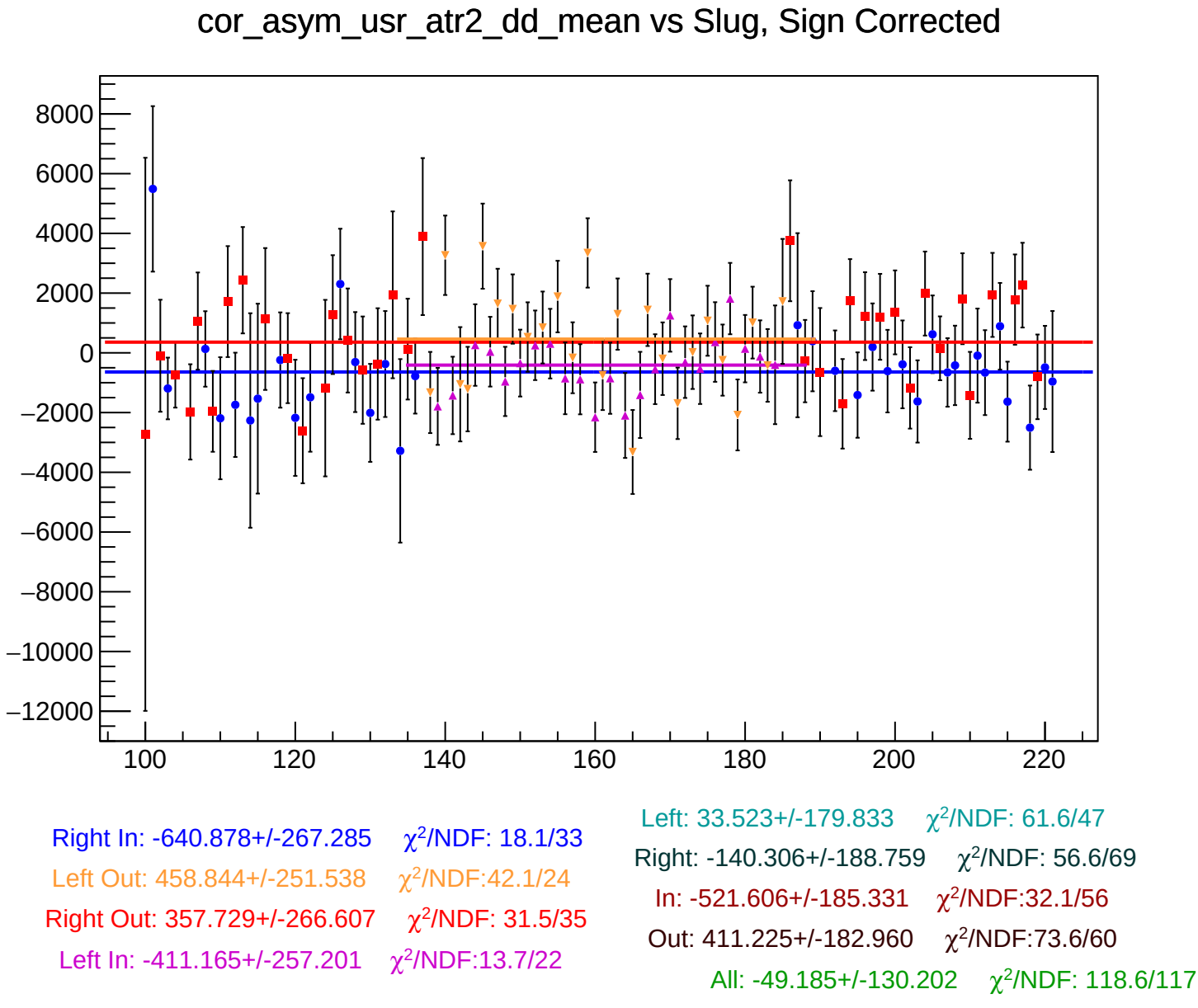
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

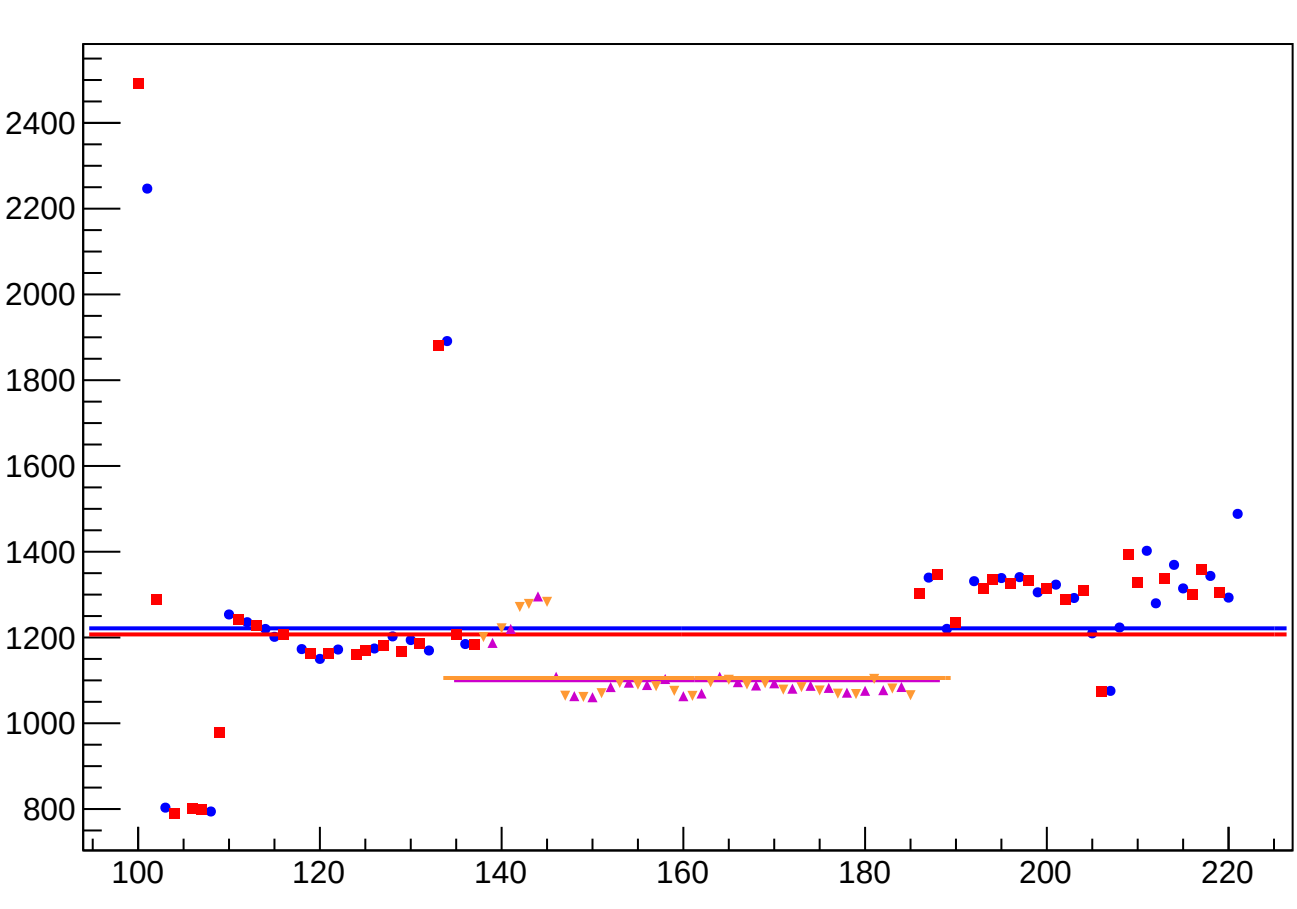
Right: 3351.702+/-0.408 χ^2/NDF: 18066862.8/69

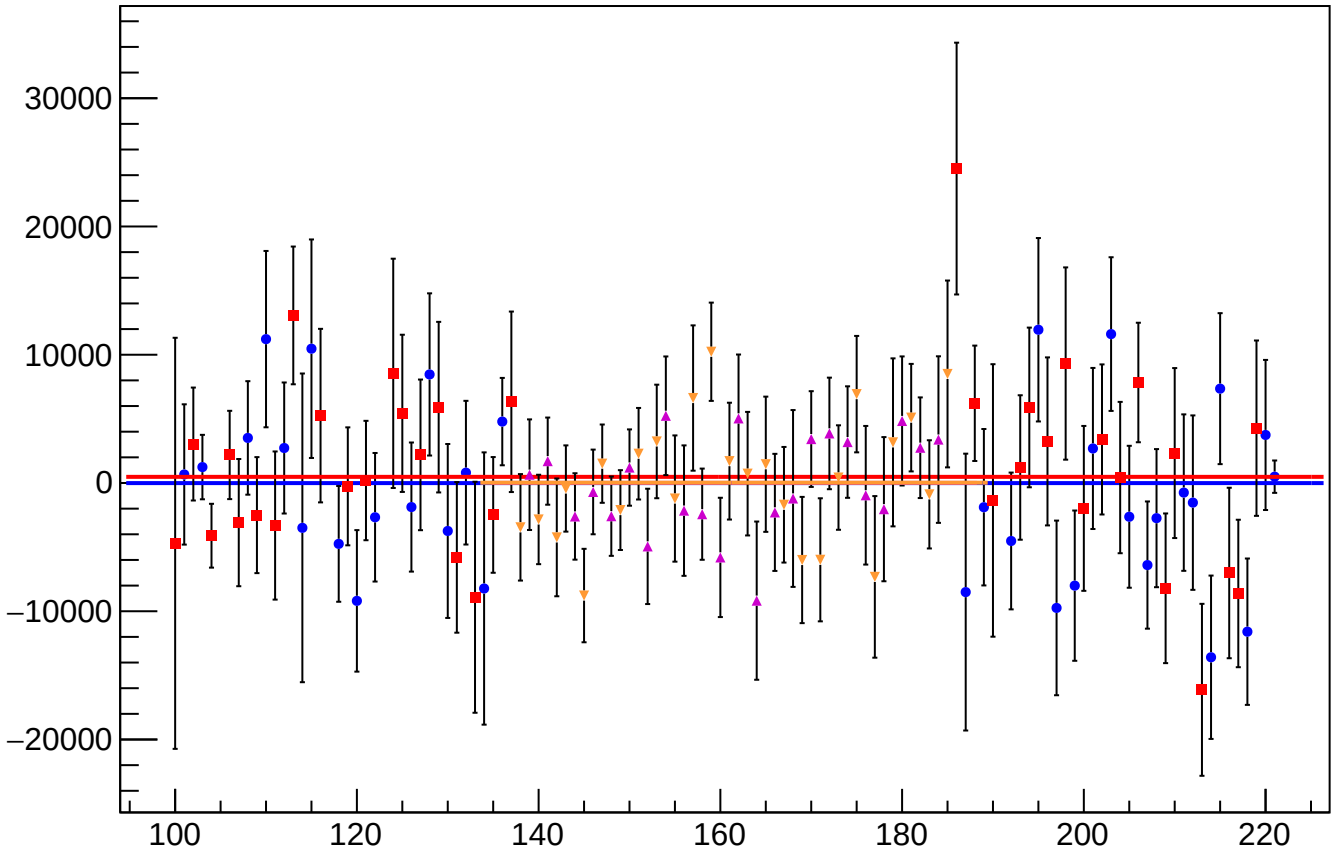
In: 3304.643+/-0.405 χ^2/NDF:13179348.9/56

Out: 3721.082+/-0.436 χ^2/NDF:7322176.3/60

All: 3497.404+/-0.296 χ^2/NDF: 20991989.7/1


cor_asym_usr_atr2_dd_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: -640.878+/-267.285 χ²/NDF: 18.1/33
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 357.729+/-266.607 χ²/NDF: 31.5/35
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -140.306+/-188.759 χ²/NDF: 56.6/69
In: -521.606+/-185.331 χ²/NDF:32.1/56
Out: 411.225+/-182.960 χ²/NDF:73.6/60
All: -49.185+/-130.202 χ²/NDF: 118.6/117


cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
220
Right In: 1221.348+/-0.189 χ²/NDF: 1141334.7/33
Left Out: 1105.549+/-0.178 χ²/NDF:121950.0/24
Right Out: 1207.152+/-0.188 χ²/NDF: 1018539.8/35
Left In: 1100.350+/-0.182 χ²/NDF:80240.5/22
Left: 1103.007+/-0.127 χ²/NDF: 202608.2/47
Right: 1214.226+/-0.133 χ²/NDF: 2162704.8/69
In: 1158.523+/-0.131 χ²/NDF:1434382.0/56
Out: 1153.439+/-0.129 χ²/NDF:1294296.6/60
All: 1155.948+/-0.092 χ²/NDF: 2729441.0/11



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: 478.649+/-906.728 χ^2/NDF: 42.5/35

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

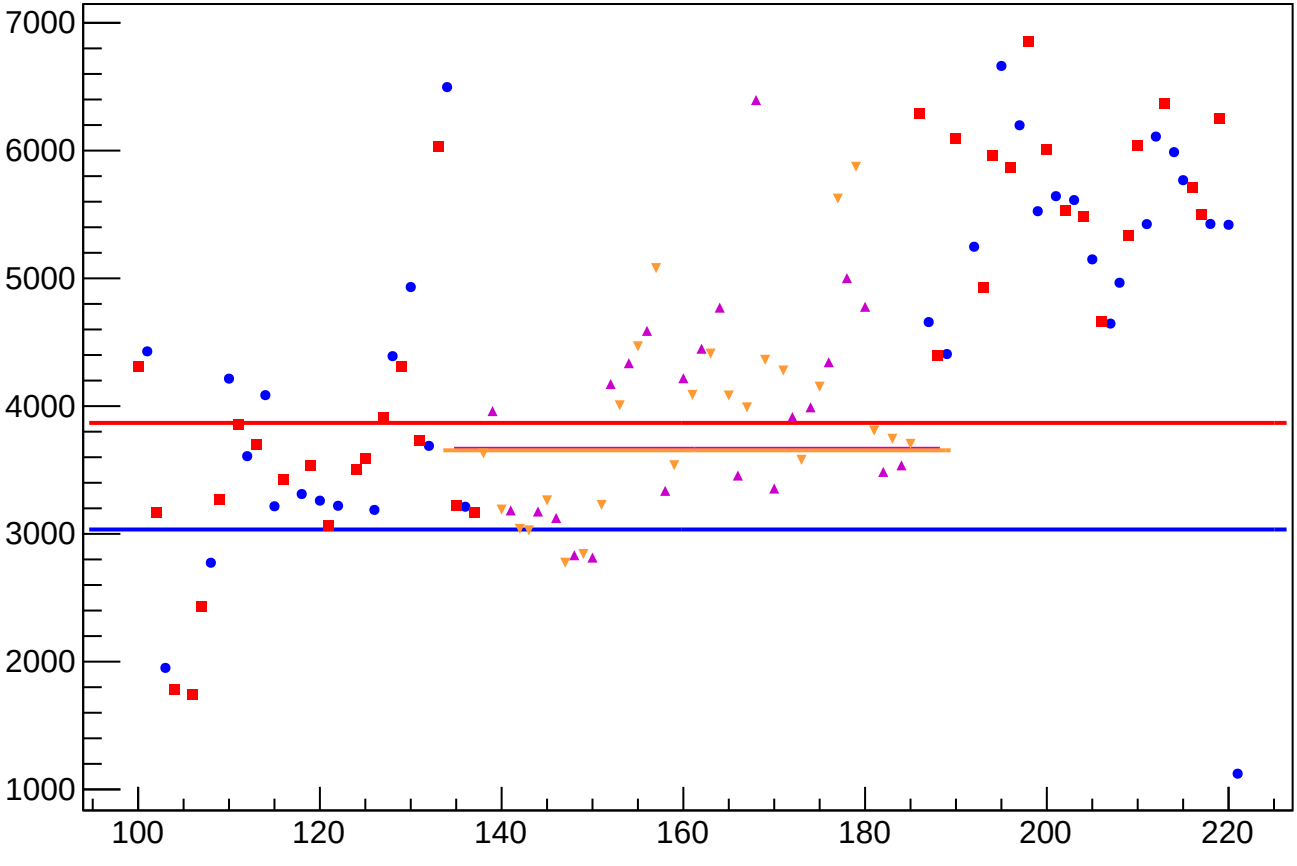
Right: 191.370+/-580.620 χ^2/NDF: 82.2/69

In: -2.034+/-572.097 χ^2/NDF:53.5/56

Out: 236.428+/-620.283 χ^2/NDF:71.1/60

All: 107.576+/-420.538 χ^2/NDF: 124.7/117

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: 3868.673+/-0.641 χ^2/NDF: 5502499.2/35

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

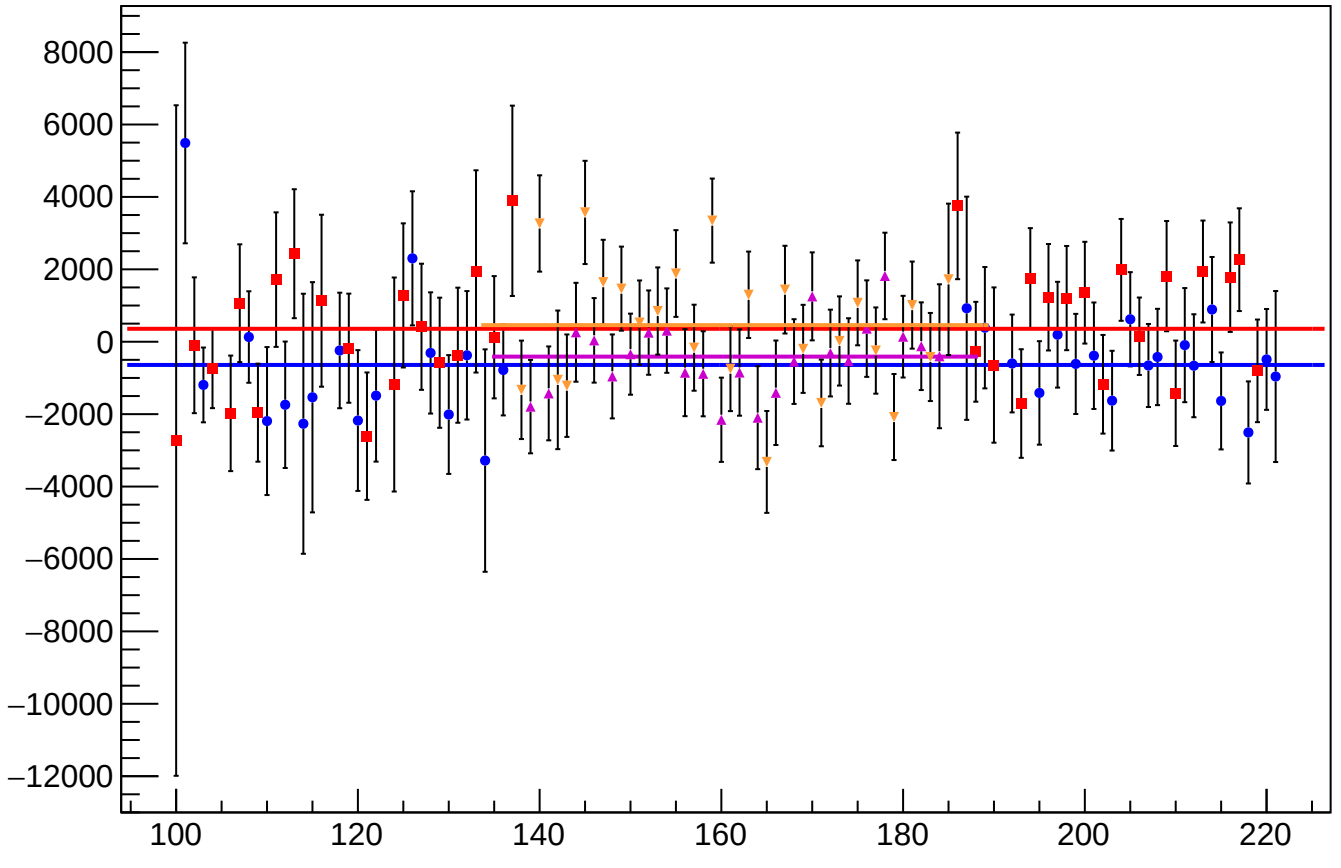
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3376.464+/-0.411 χ^2/NDF: 17746607.3/69

In: 3304.269+/-0.405 χ^2/NDF:13185650.8/56

Out: 3754.566+/-0.439 χ^2/NDF:6873803.1/60

All: 3511.250+/-0.297 χ^2/NDF: 20628989.2/



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: 357.729+/-266.607 χ^2/NDF: 31.5/35

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

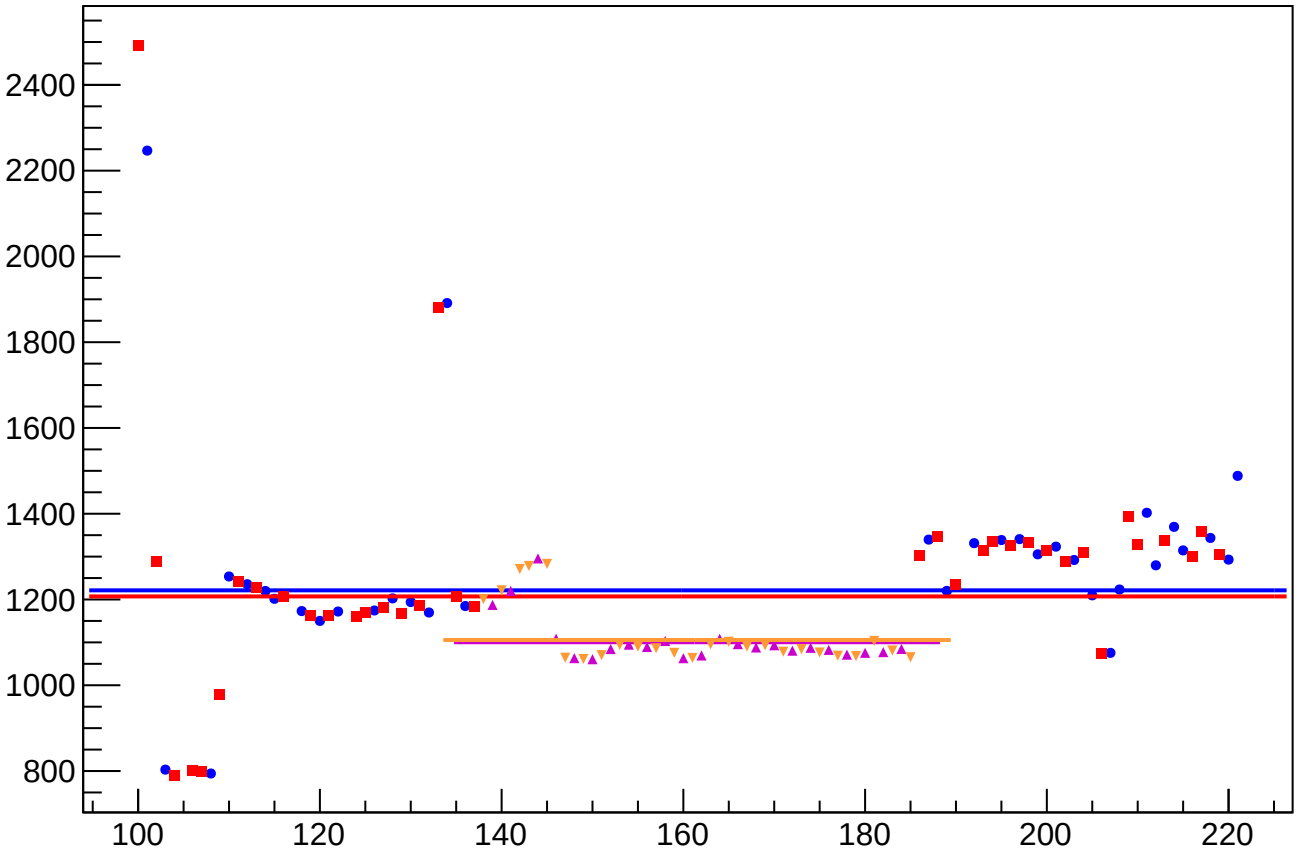
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -140.306+/-188.759 χ^2/NDF: 56.6/69

In: -521.606+/-185.331 χ^2/NDF:32.1/56

Out: 411.225+/-182.960 χ^2/NDF:73.6/60

All: -49.185+/-130.202 χ^2/NDF: 118.6/117



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: 1207.152+/-0.188 χ^2/NDF: 1018539.8/35

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

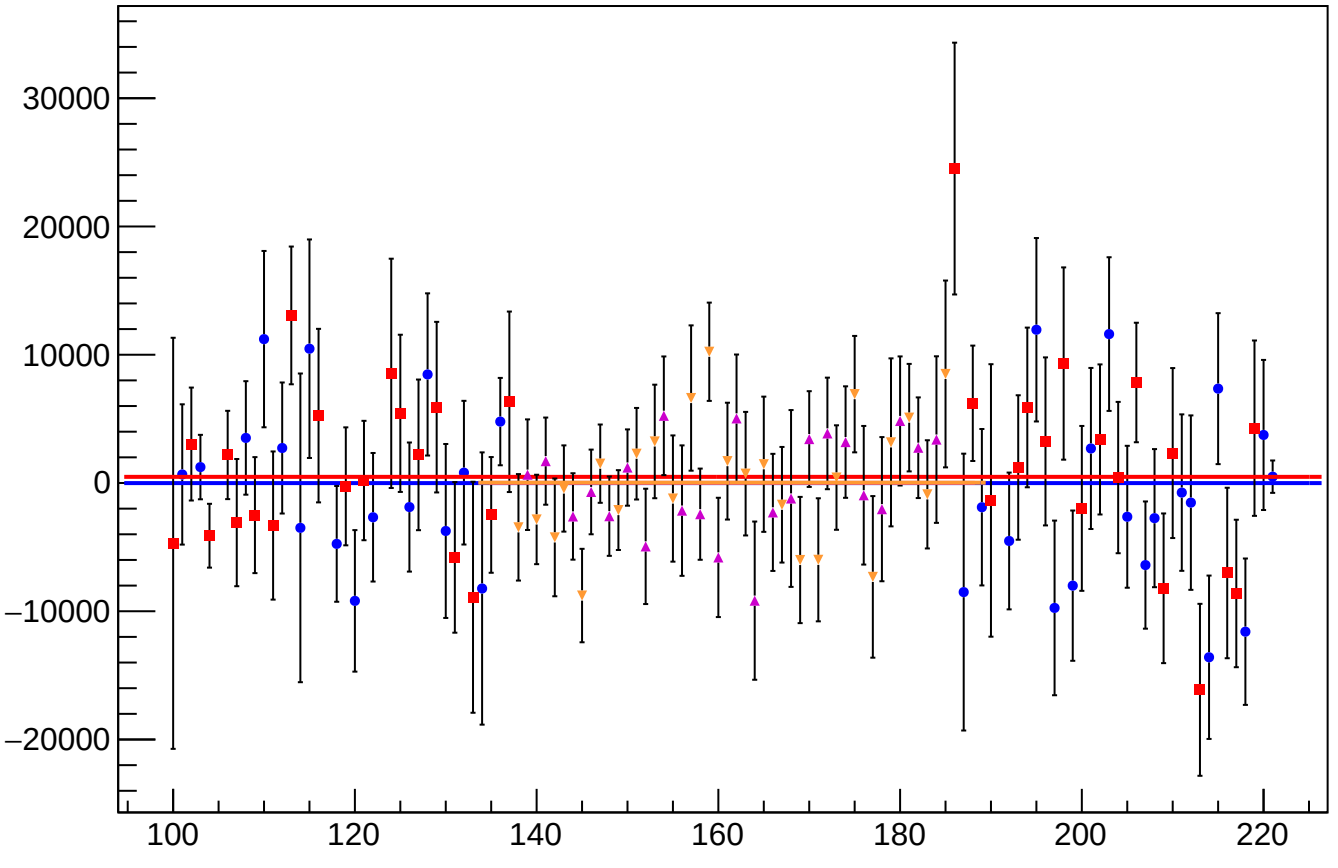
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1214.226+/-0.133 χ^2/NDF: 2162704.8/69

In: 1158.523+/-0.131 χ^2/NDF:1434382.0/56

Out: 1153.439+/-0.129 χ^2/NDF:1294296.6/60

All: 1155.948+/-0.092 χ^2/NDF: 2729441.0/11



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: 478.649+/-906.728 χ^2/NDF: 42.5/35

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

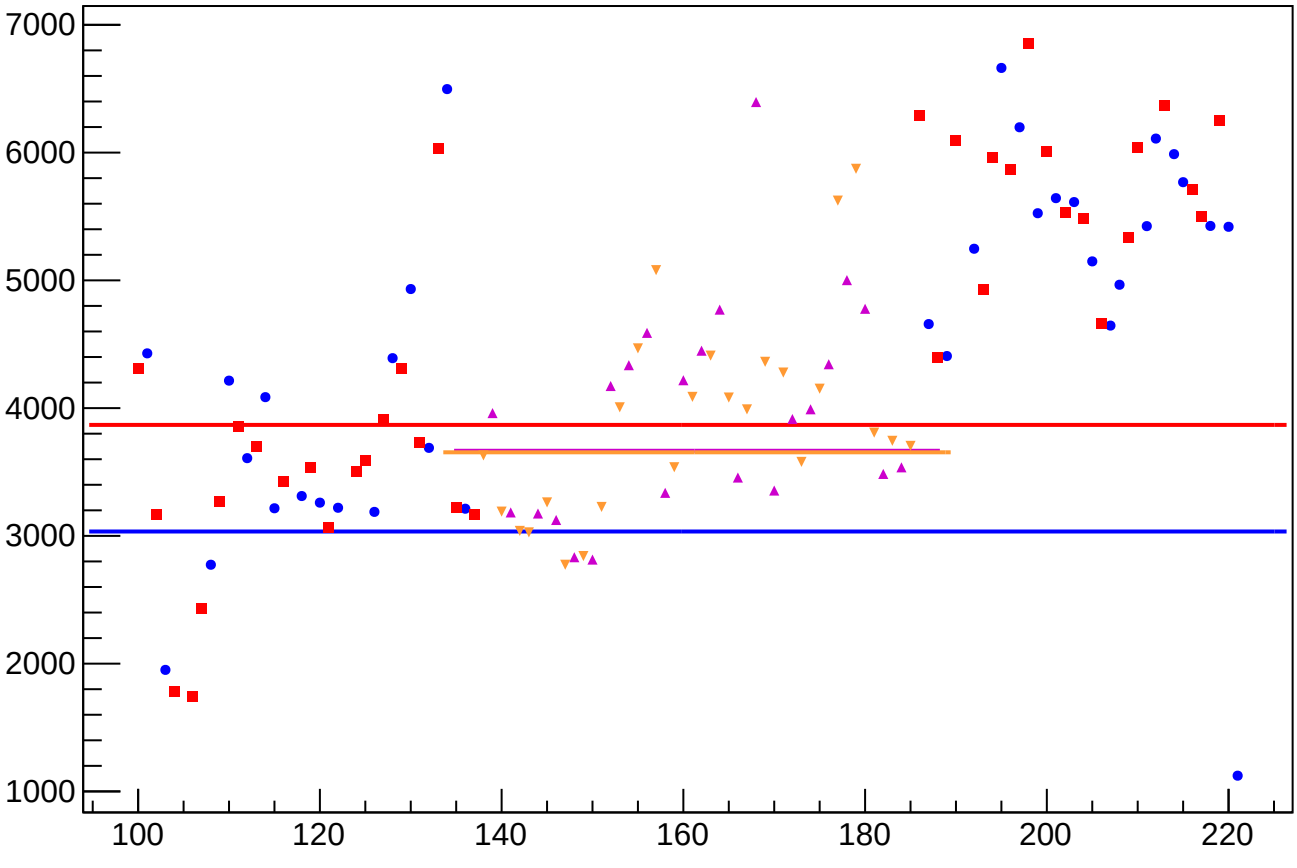
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

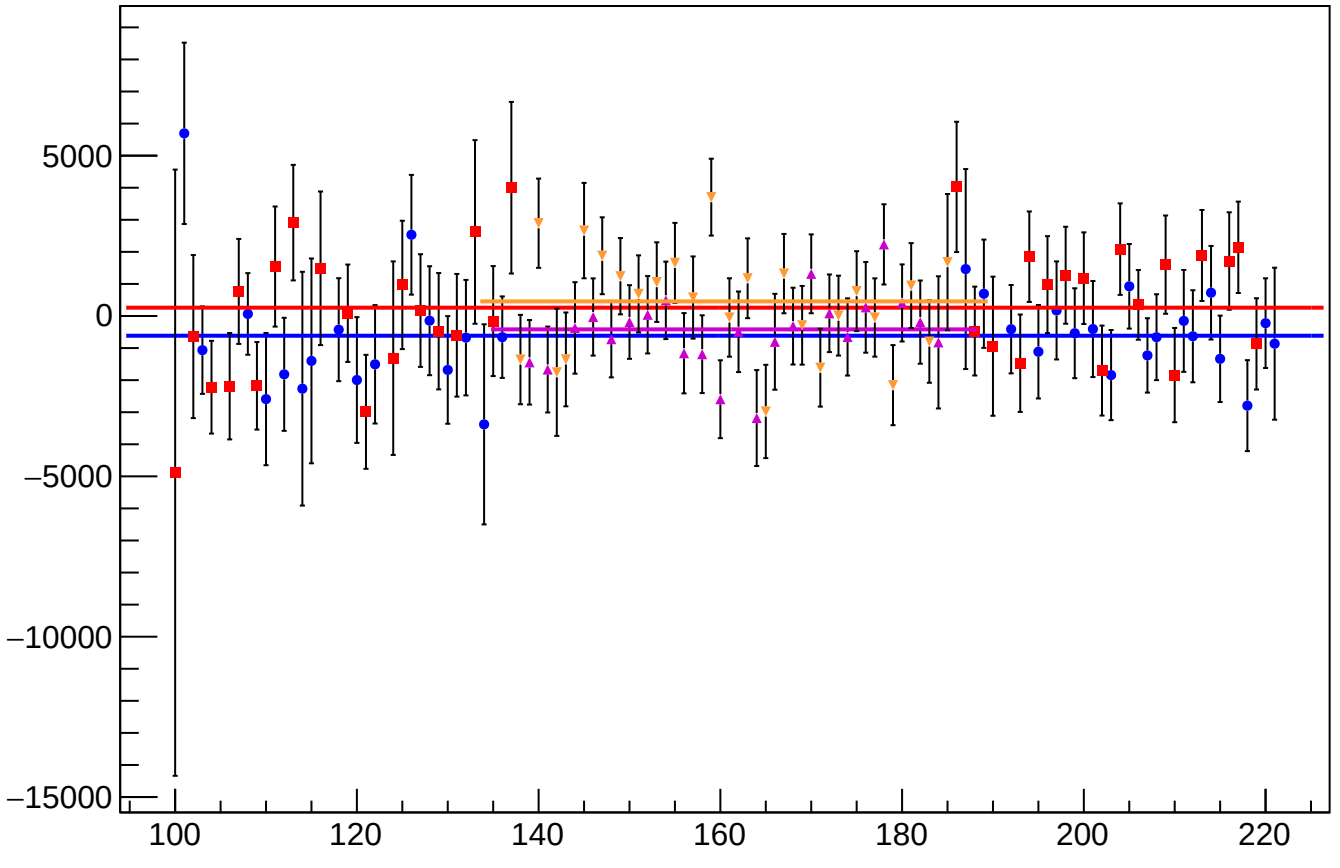
Right: 191.370+/-580.620 χ^2/NDF: 82.2/69

In: -2.034+/-572.097 χ^2/NDF:53.5/56

Out: 236.428+/-620.283 χ^2/NDF:71.1/60

All: 107.576+/-420.538 χ^2/NDF: 124.7/117


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: 3868.673+/-0.641 χ²/NDF: 5502499.2/35
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3376.464+/-0.411 χ²/NDF: 17746607.3/69
In: 3304.269+/-0.405 χ²/NDF:13185650.8/56
Out: 3754.566+/-0.439 χ²/NDF:6873803.1/60
All: 3511.250+/-0.297 χ²/NDF: 20628989.2/



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: 259.607+/-274.955 χ^2/NDF: 37.2/35

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

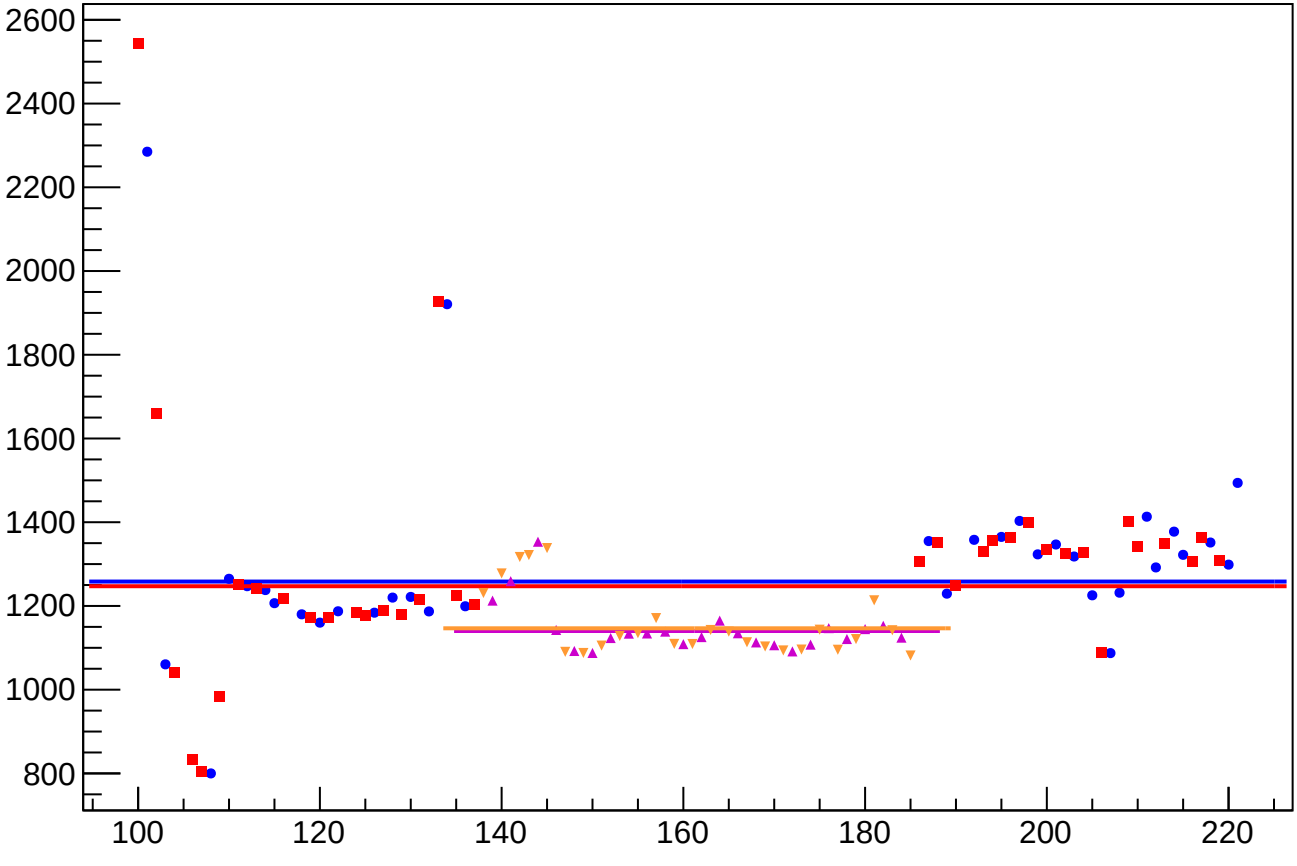
Right: -178.494+/-194.245 χ^2/NDF: 61.7/69

In: -513.224+/-191.224 χ^2/NDF:37.0/56

Out: 362.760+/-189.298 χ^2/NDF:73.7/60

All: -70.798+/-134.530 χ^2/NDF: 121.3/117

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



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: 1247.126+/-0.194 χ^2/NDF: 794680.6/35

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

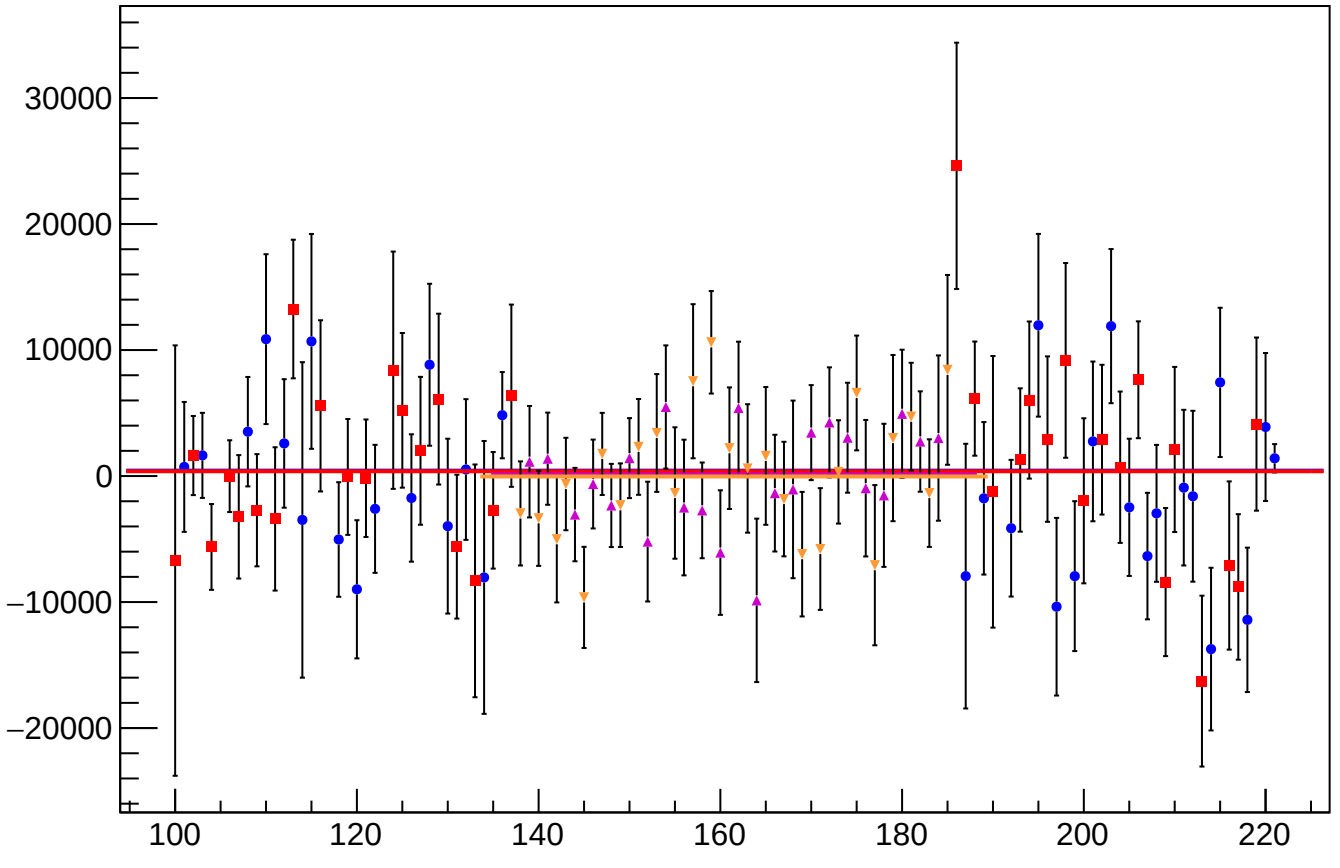
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1252.711+/-0.137 χ^2/NDF: 1647717.3/69

In: 1197.505+/-0.135 χ^2/NDF:1126709.8/56

Out: 1194.265+/-0.134 χ^2/NDF:1076309.7/60

All: 1195.868+/-0.095 χ^2/NDF: 2203309.5/11



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: 381.659+/-905.358 χ^2/NDF: 41.5/35

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

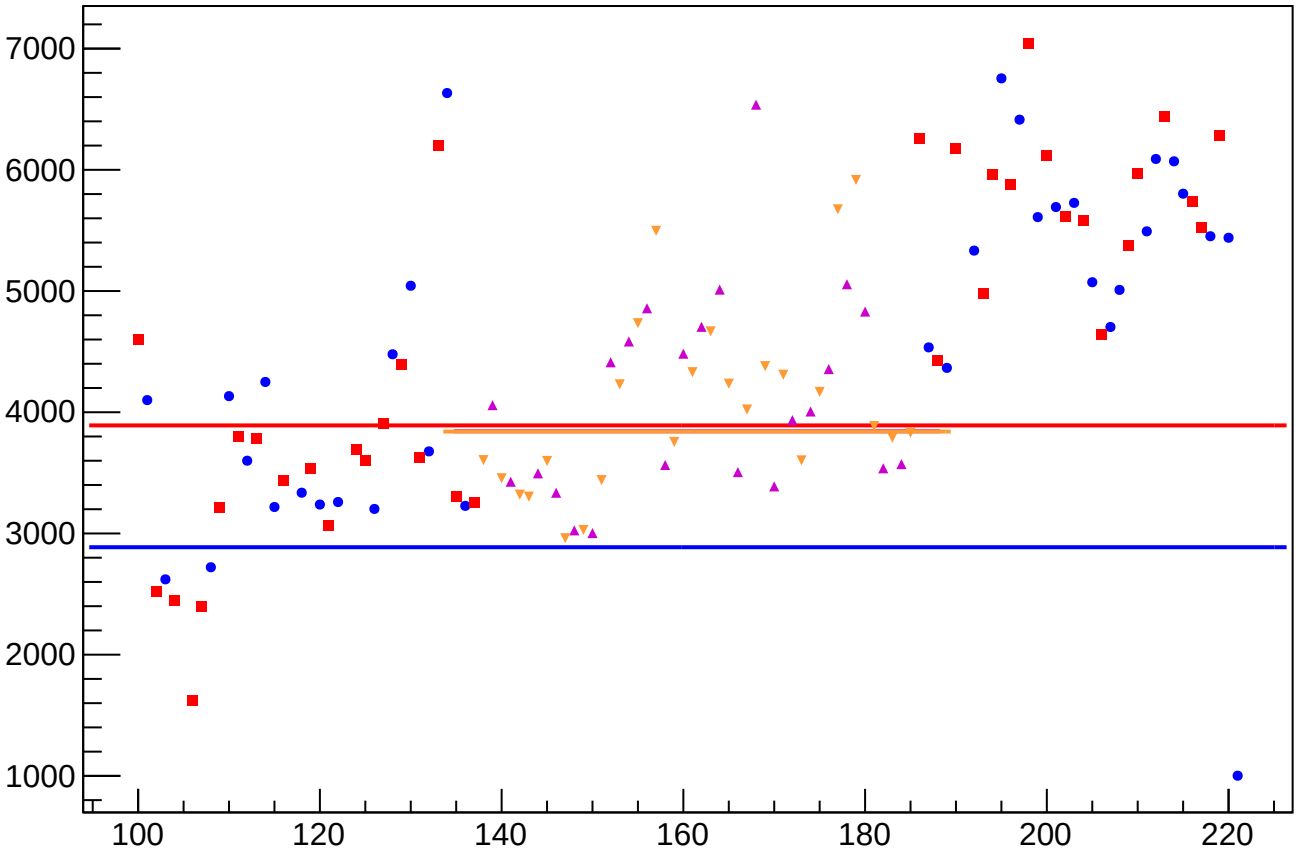
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 409.312+/-572.220 χ^2/NDF: 81.8/69

In: 306.876+/-574.809 χ^2/NDF:54.1/56

Out: 170.823+/-635.182 χ^2/NDF:69.4/60

All: 245.621+/-426.201 χ^2/NDF: 123.6/117



Right In: 2886.510+/-0.522 χ^2/NDF: 12852821.1/33

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3891.464+/-0.640 χ^2/NDF: 5345042.0/35

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

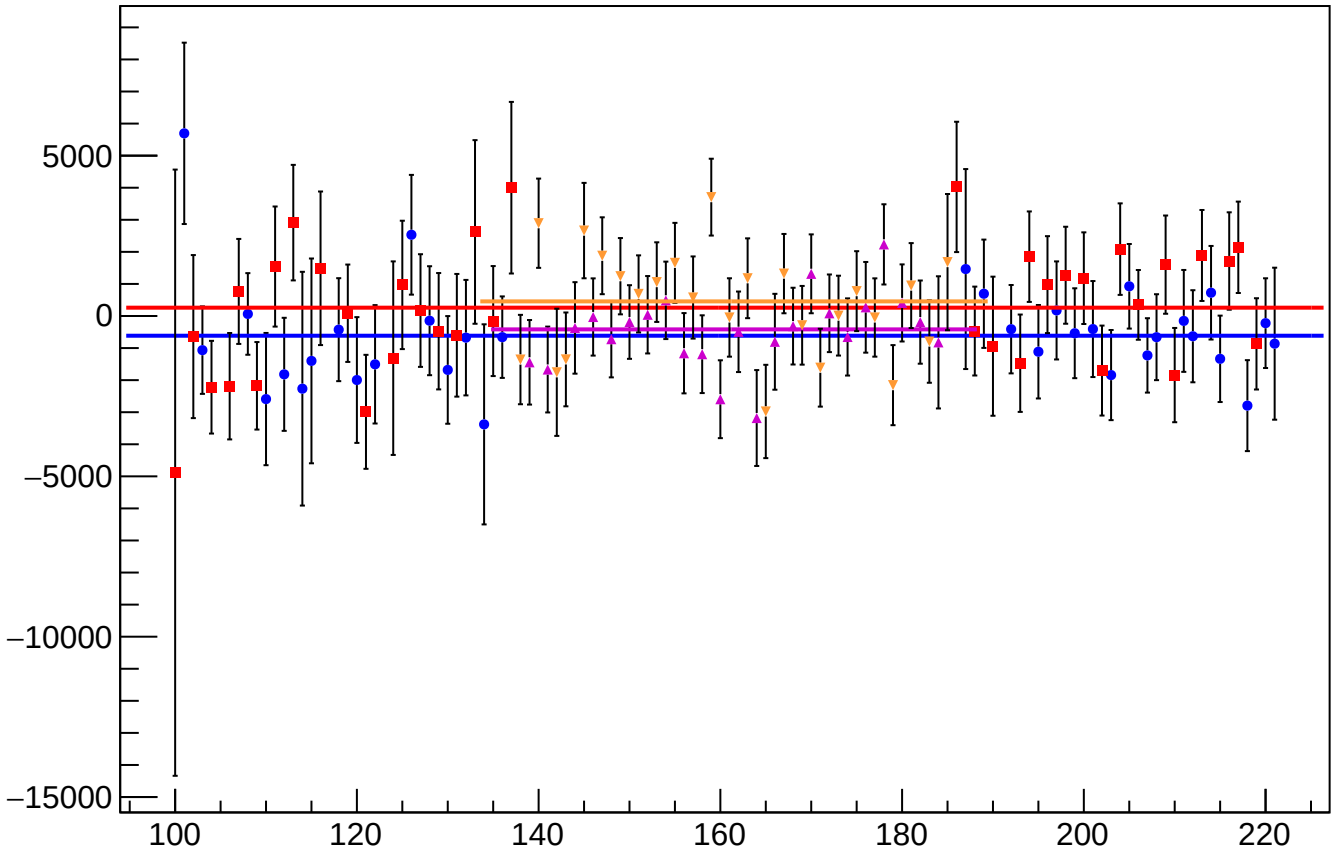
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3287.961+/-0.405 χ^2/NDF: 19677703.9/69

In: 3263.523+/-0.406 χ^2/NDF:15372067.0/56

Out: 3865.753+/-0.449 χ^2/NDF:6466885.0/60

All: 3534.664+/-0.301 χ^2/NDF: 22827372.5/1



Right In: -614.995+/-274.453 χ^2/NDF: 19.4/33

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 259.607+/-274.955 χ^2/NDF: 37.2/35

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

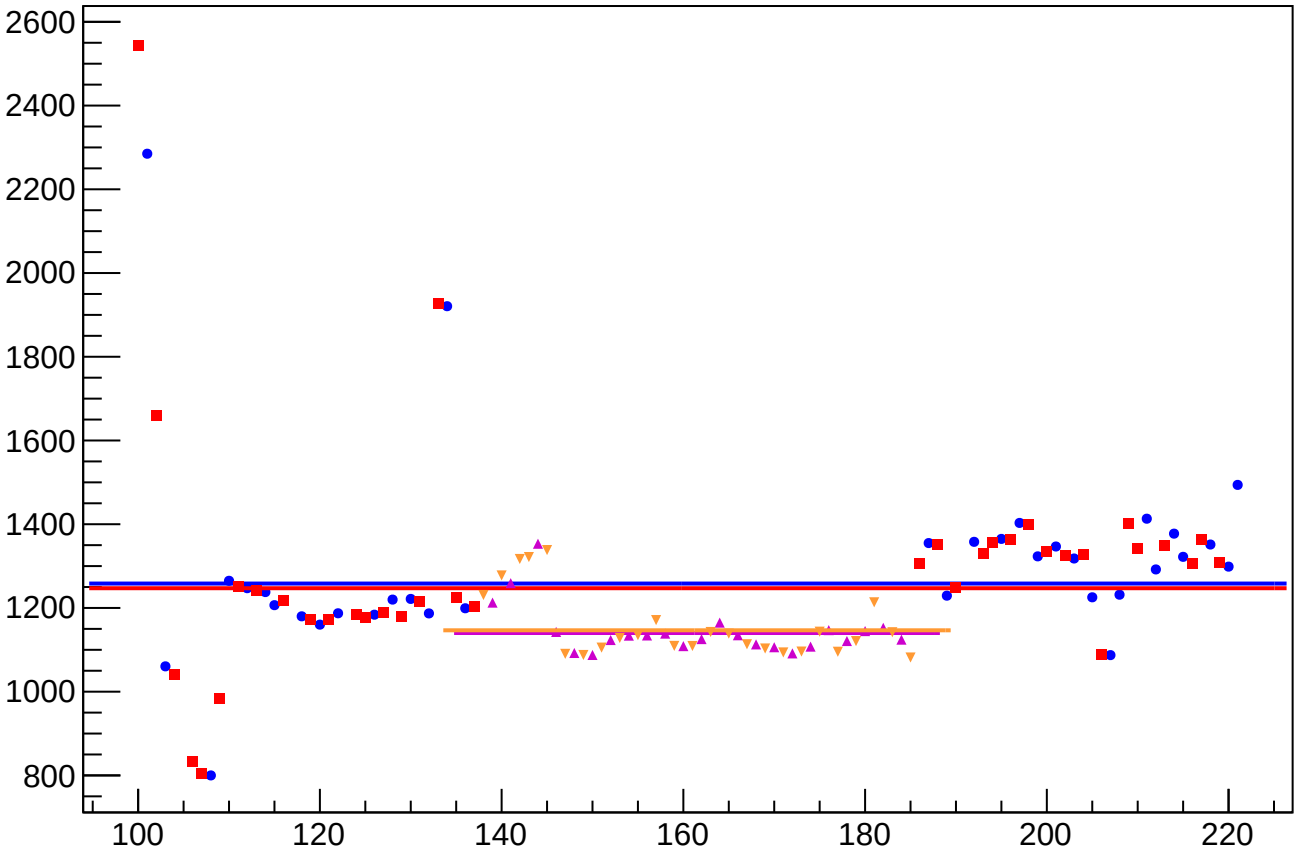
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -178.492+/-194.245 χ^2/NDF: 61.7/69

In: -513.221+/-191.224 χ^2/NDF:37.0/56

Out: 362.762+/-189.298 χ^2/NDF:73.7/60

All: -70.795+/-134.530 χ^2/NDF: 121.3/117



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: 1247.126+/-0.194 χ^2/NDF: 794680.0/35

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

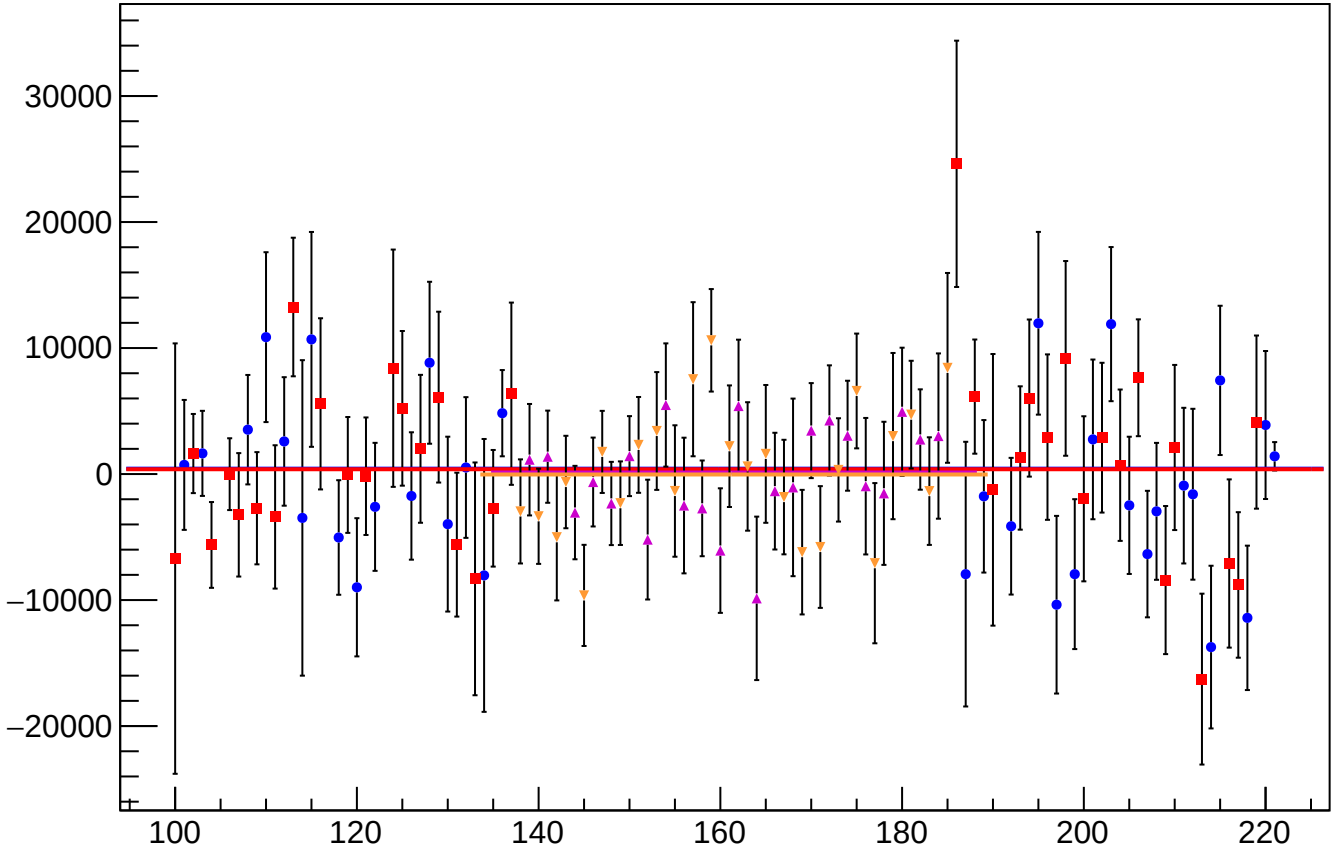
Right: 1252.711+/-0.137 χ^2/NDF: 1647717.6/69

In: 1197.505+/-0.135 χ^2/NDF:1126708.0/56

Out: 1194.265+/-0.134 χ^2/NDF:1076307.8/60

All: 1195.869+/-0.095 χ^2/NDF: 2203305.7/11

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 427.703+/-738.408 χ^2/NDF: 40.3/33

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 381.654+/-905.357 χ^2/NDF: 41.5/35

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

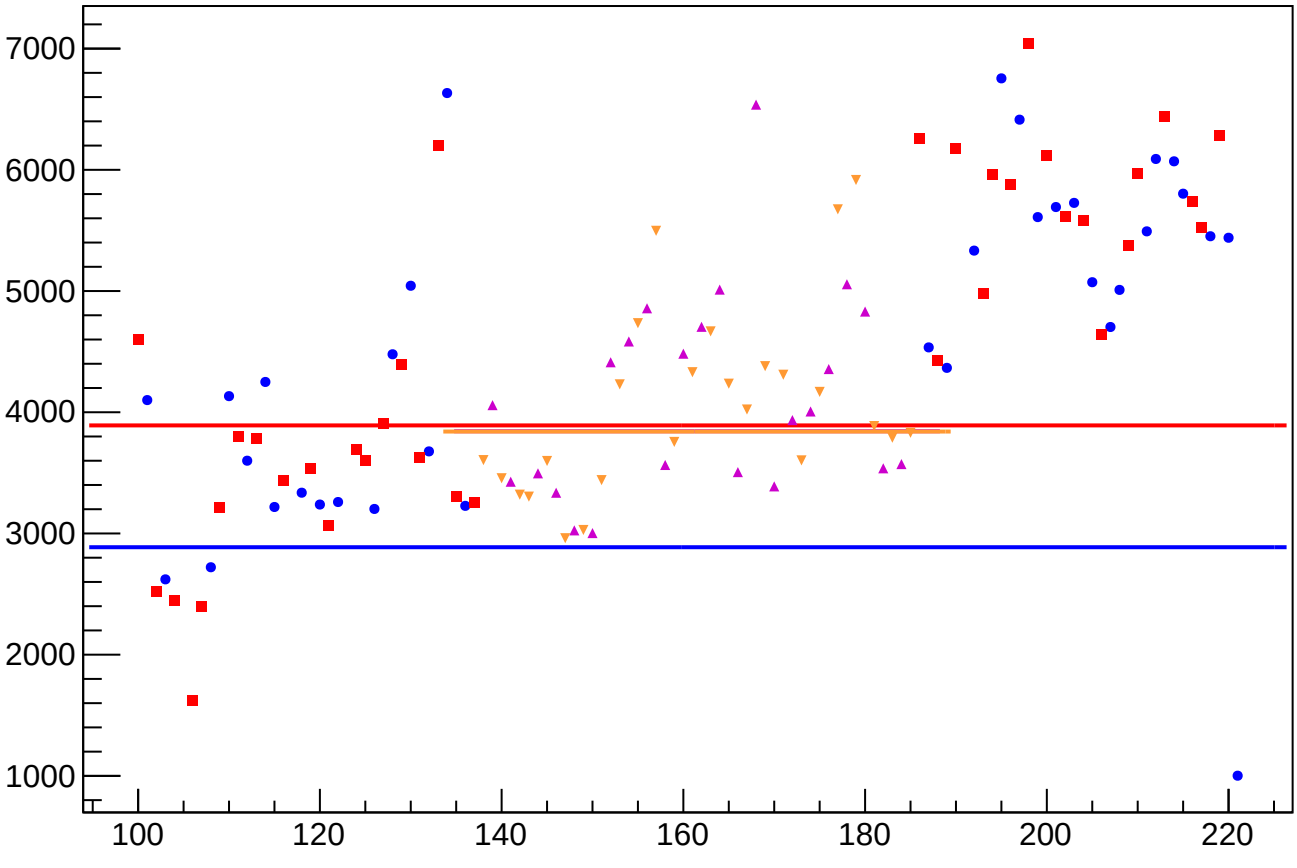
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 409.307+/-572.220 χ^2/NDF: 81.8/69

In: 306.875+/-574.809 χ^2/NDF:54.1/56

Out: 170.821+/-635.182 χ^2/NDF:69.4/60

All: 245.620+/-426.201 χ^2/NDF: 123.6/117



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: 3891.460+/-0.640 χ^2/NDF: 5345073.8/35

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

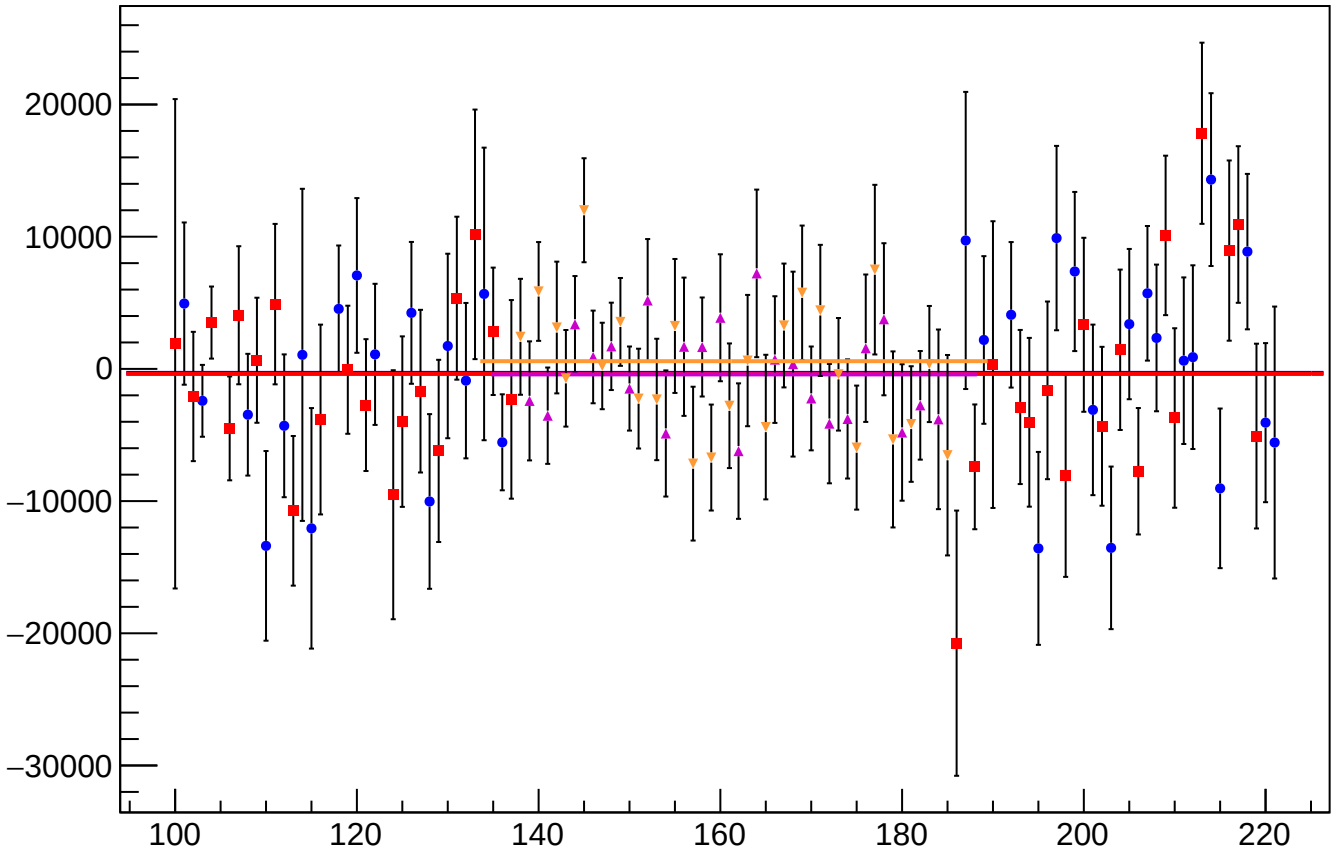
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3287.958+/-0.405 χ^2/NDF: 19677749.2/69

In: 3263.523+/-0.406 χ^2/NDF:15372106.2/56

Out: 3865.754+/-0.449 χ^2/NDF:6466917.4/60

All: 3534.664+/-0.301 χ^2/NDF: 22827446.1/1



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: -381.368+/-959.440 χ^2/NDF: 40.6/35

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

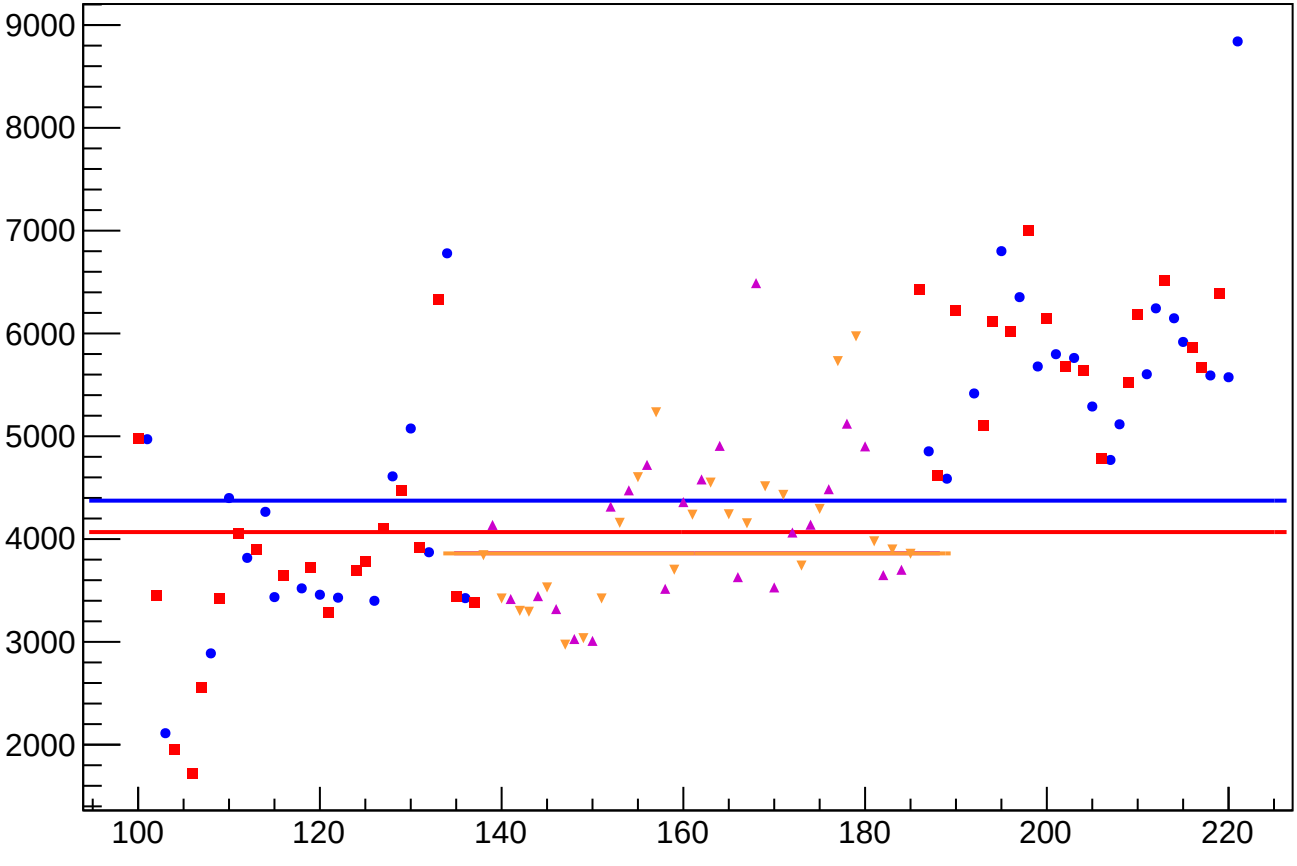
Right: -342.753+/-687.707 χ^2/NDF: 81.8/69

In: -363.425+/-672.350 χ^2/NDF:53.6/56

Out: 134.489+/-654.418 χ^2/NDF:68.6/60

All: -107.740+/-468.955 χ^2/NDF: 122.6/117

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: 4068.099+/-0.671 χ^2/NDF: 5197265.0/35

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

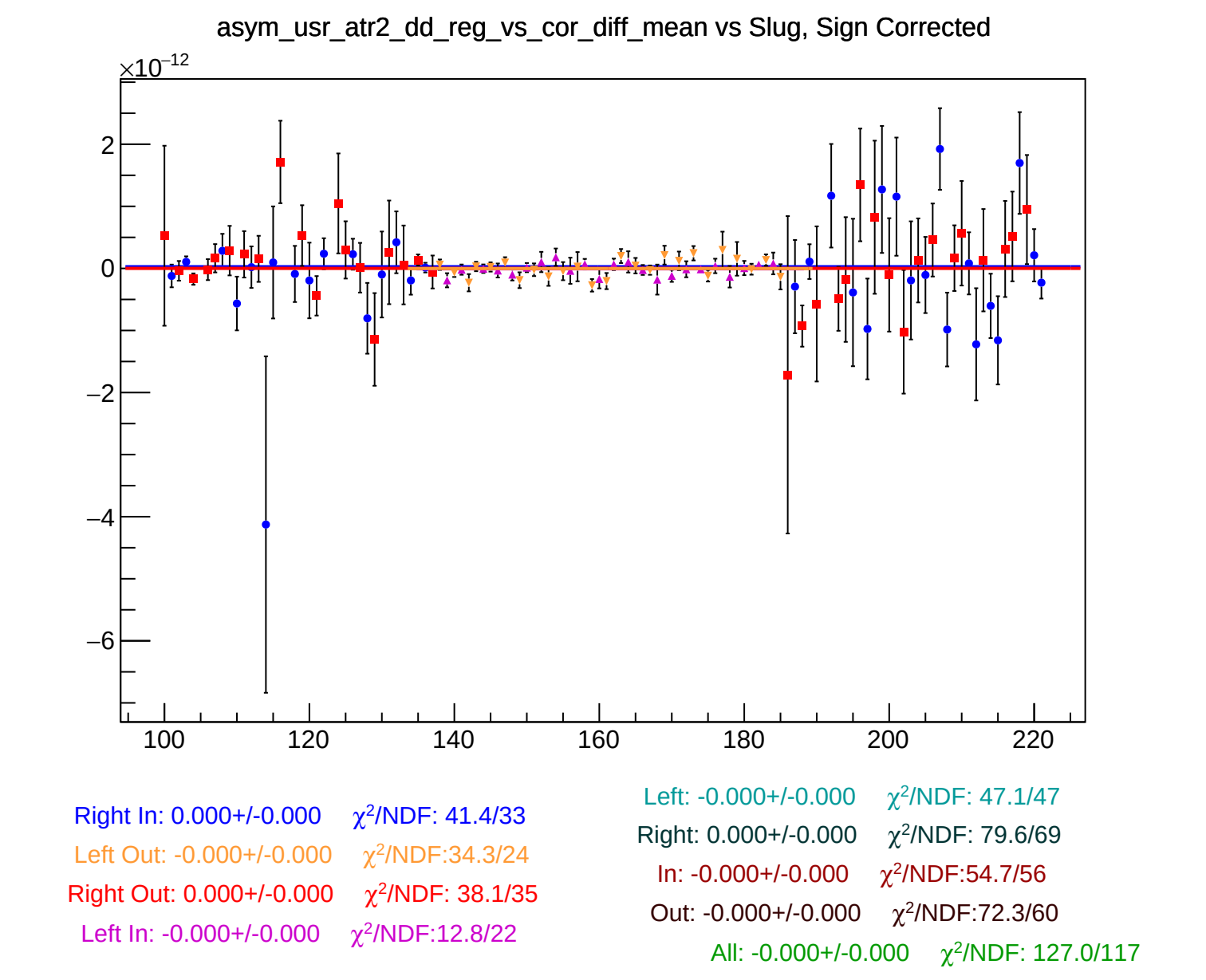
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

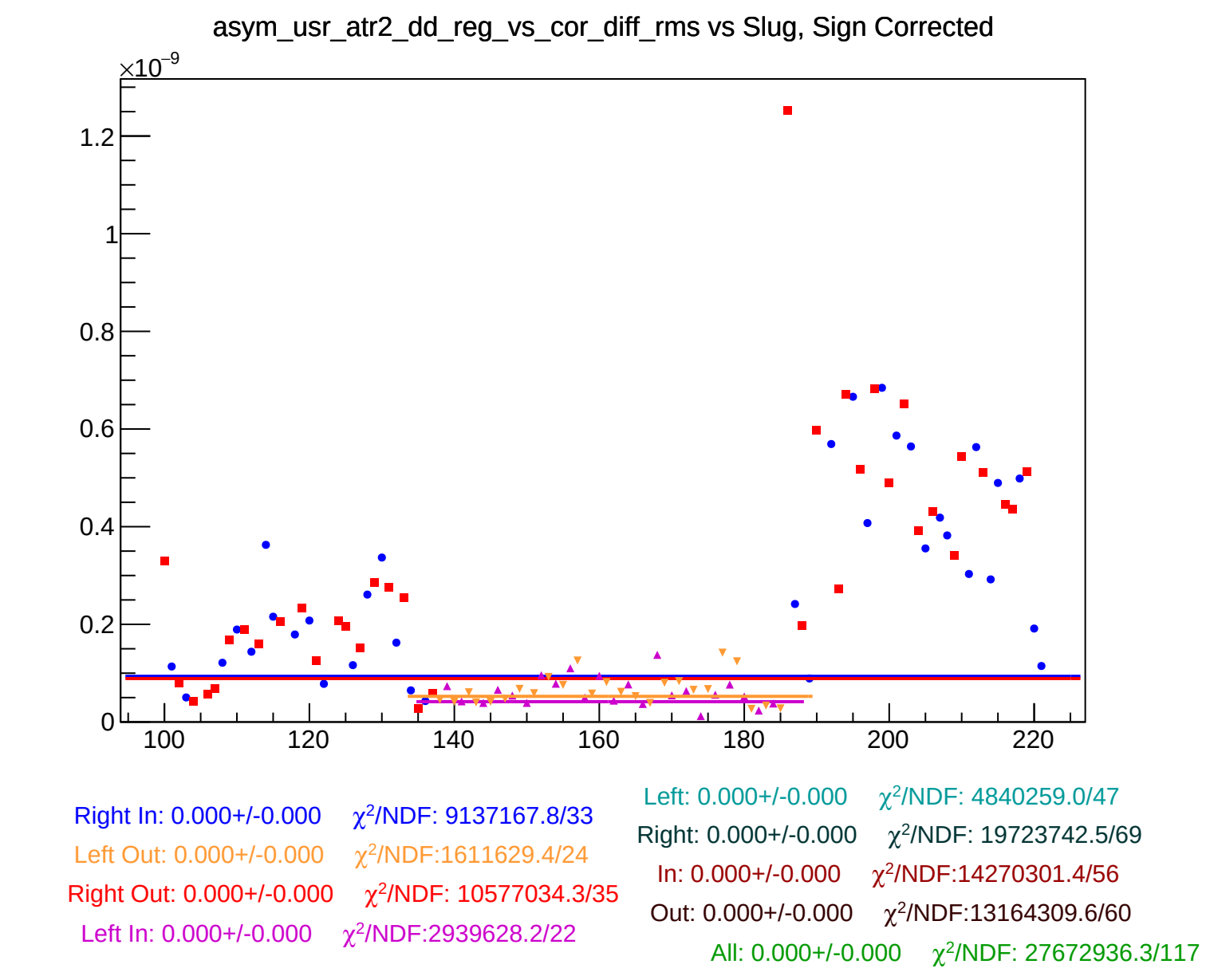
Right: 4215.114+/-0.484 χ^2/NDF: 9356049.5/69

In: 4100.012+/-0.475 χ^2/NDF:5489106.5/56

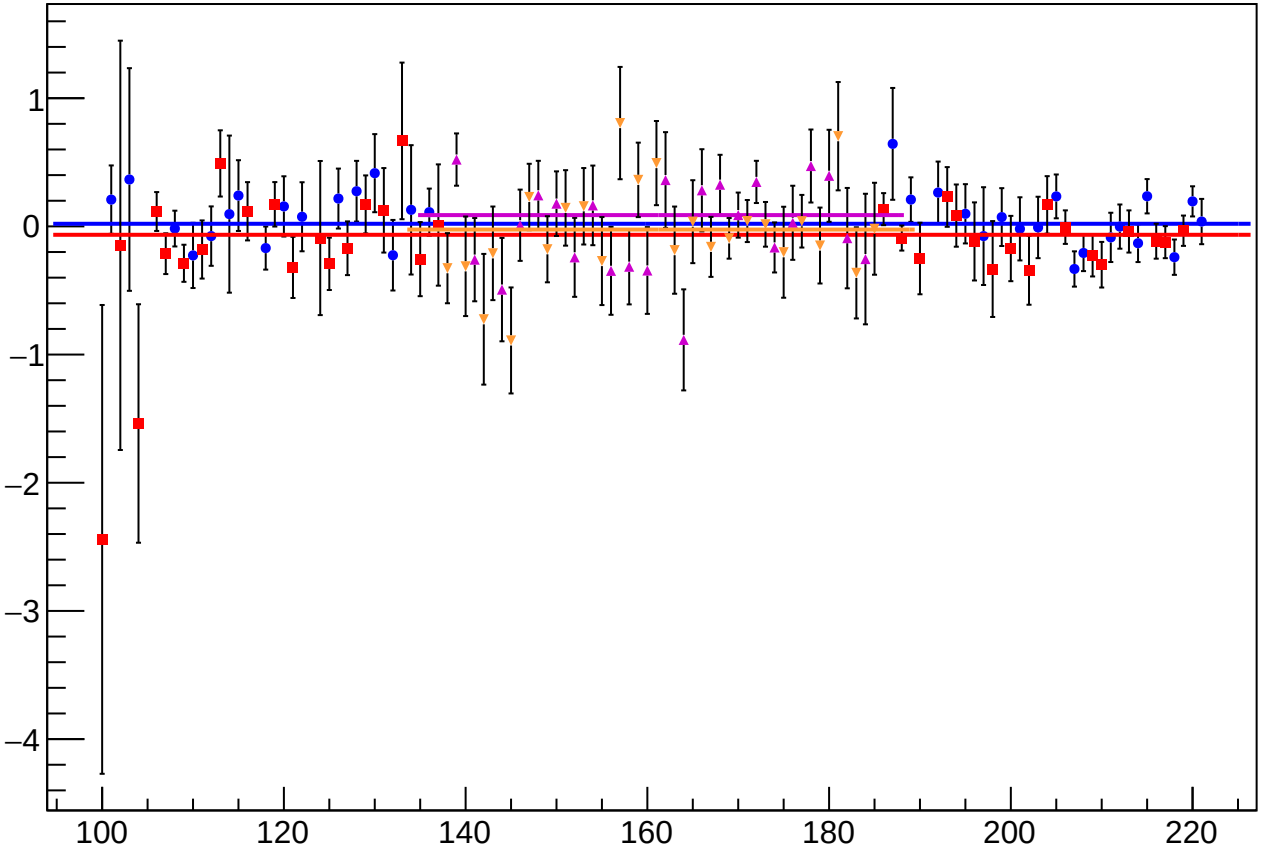
Out: 3958.181+/-0.460 χ^2/NDF:6345172.9/60

All: 4026.834+/-0.331 χ^2/NDF: 11880198.2/1


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: 38.1/35
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: 79.6/69
In: -0.000+/-0.000 χ²/NDF:54.7/56
Out: -0.000+/-0.000 χ²/NDF:72.3/60
All: -0.000+/-0.000 χ²/NDF: 127.0/117


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9137167.8/33
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 10577034.3/35
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
Left: 0.000+/-0.000 χ²/NDF: 4840259.0/47
Right: 0.000+/-0.000 χ²/NDF: 19723742.5/69
In: 0.000+/-0.000 χ²/NDF:14270301.4/56
Out: 0.000+/-0.000 χ²/NDF:13164309.6/60
All: 0.000+/-0.000 χ²/NDF: 27672936.3/117

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: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

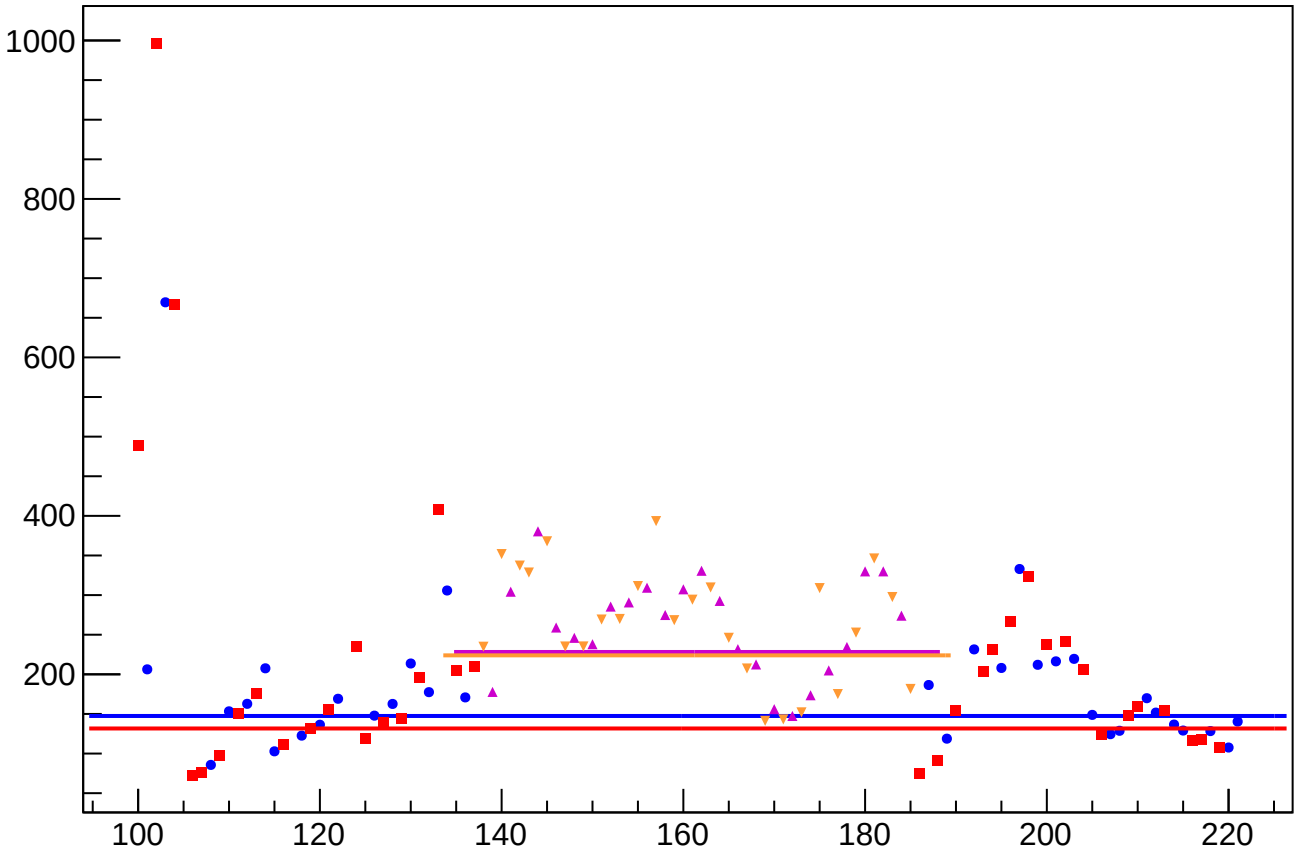
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.025+/-0.023 χ^2/NDF: 70.6/69

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.011+/-0.020 χ^2/NDF: 128.2/117



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: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

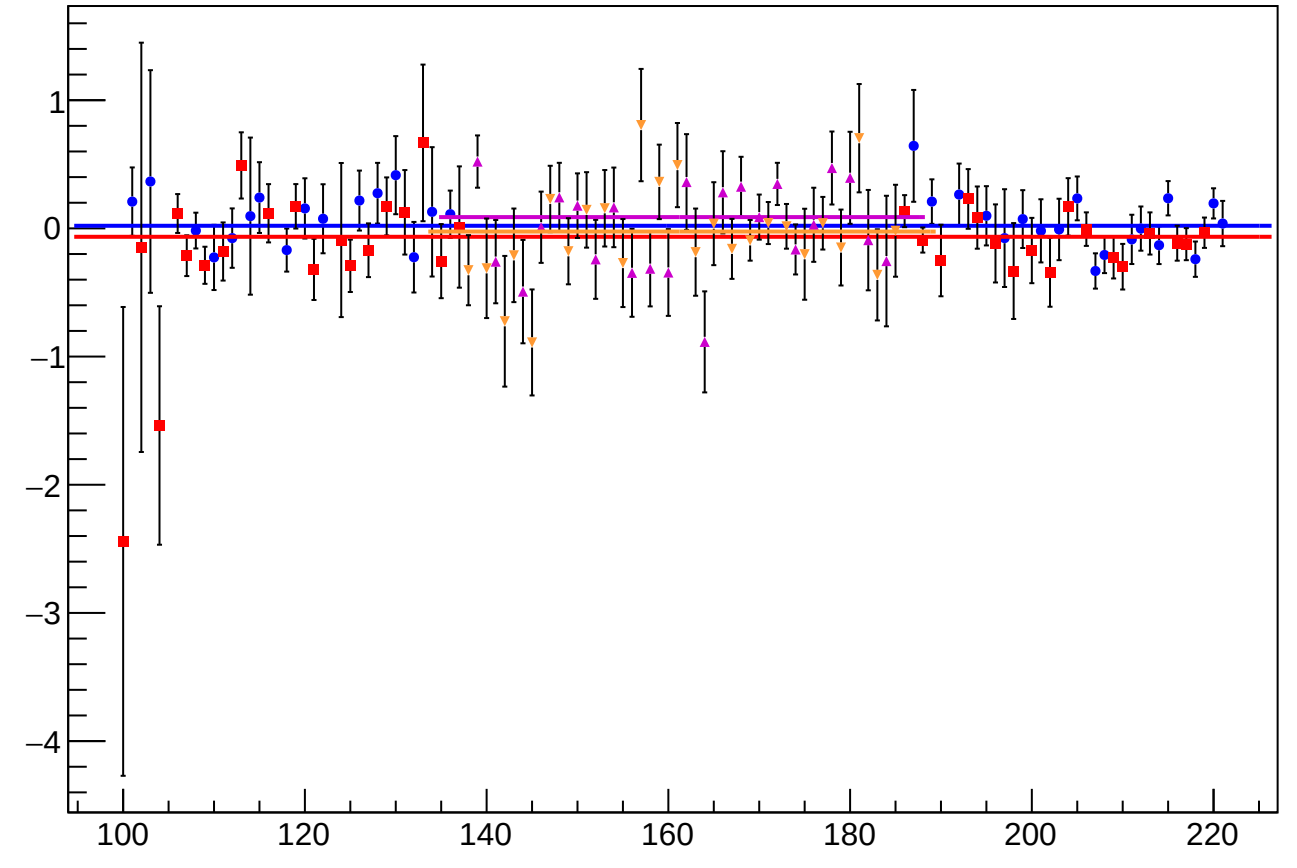
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 139.097+/-0.016 χ^2/NDF: 10022833.2/69

In: 168.756+/-0.021 χ^2/NDF:9052938.2/56

Out: 155.316+/-0.020 χ^2/NDF:13908961.7/60

All: 161.691+/-0.014 χ^2/NDF: 23186033.4/11



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: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

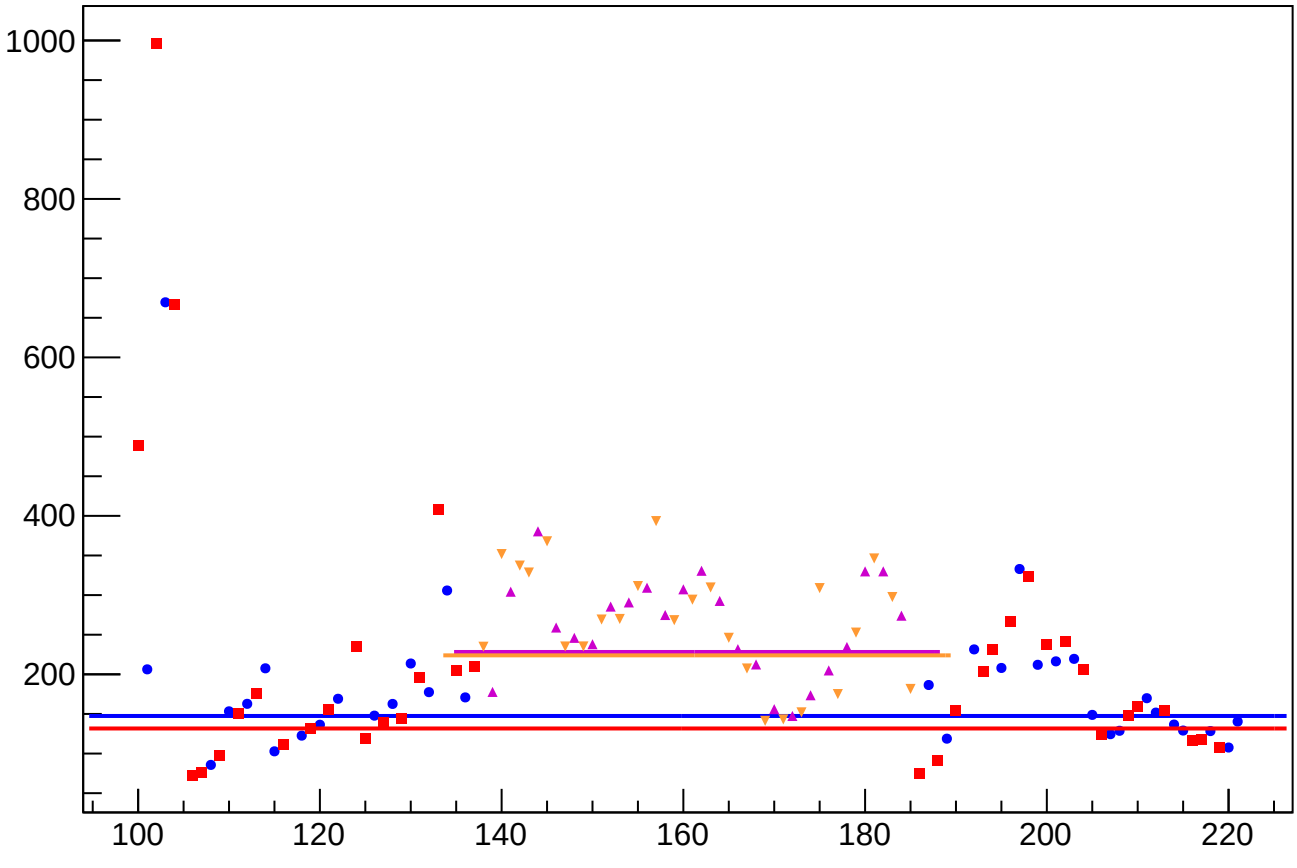
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.025+/-0.023 χ^2/NDF: 70.6/69

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.011+/-0.020 χ^2/NDF: 128.2/117



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: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

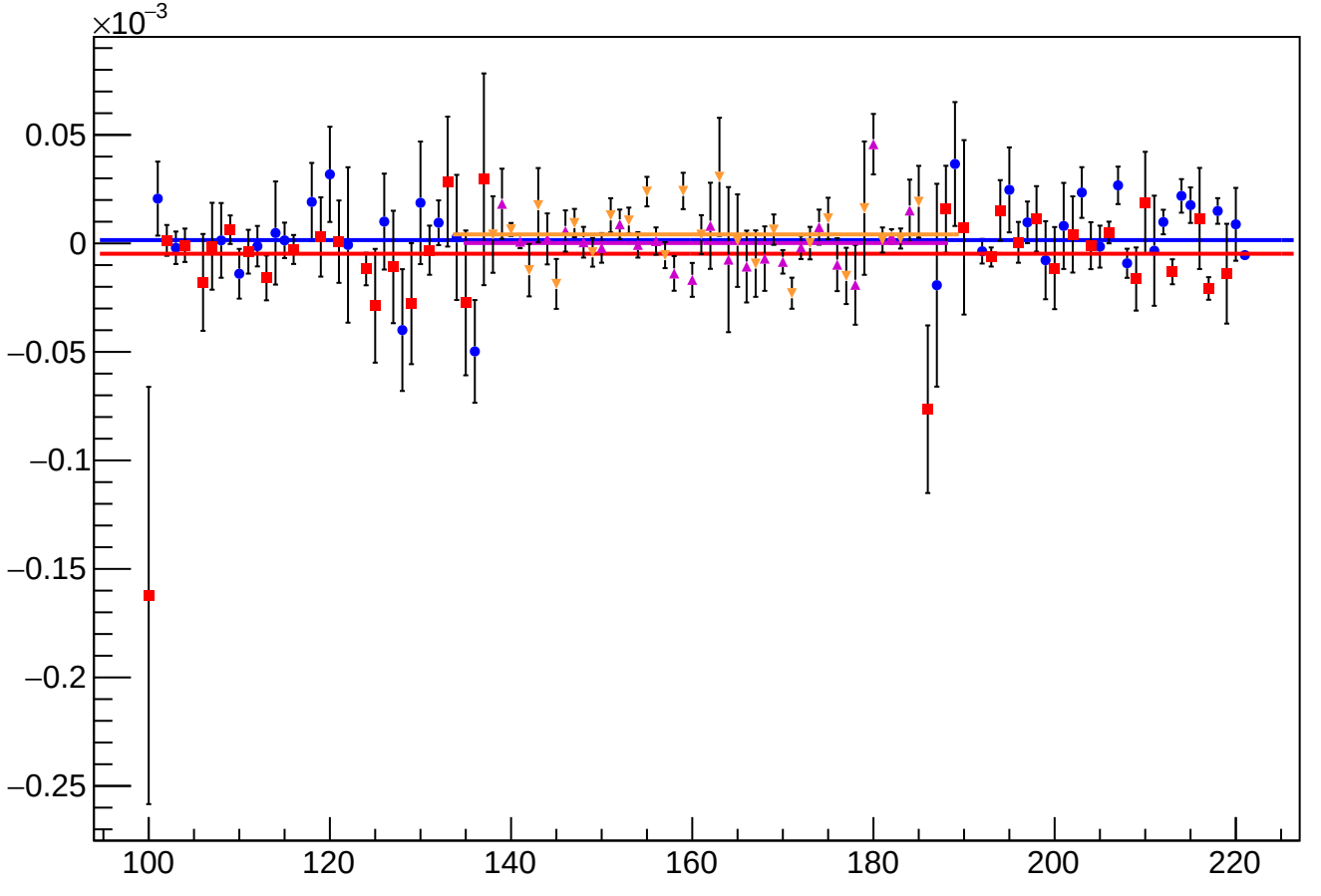
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 139.097+/-0.016 χ^2/NDF: 10022833.2/69

In: 168.756+/-0.021 χ^2/NDF:9052938.2/56

Out: 155.316+/-0.020 χ^2/NDF:13908961.7/60

All: 161.691+/-0.014 χ^2/NDF: 23186033.4/11



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: 39.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

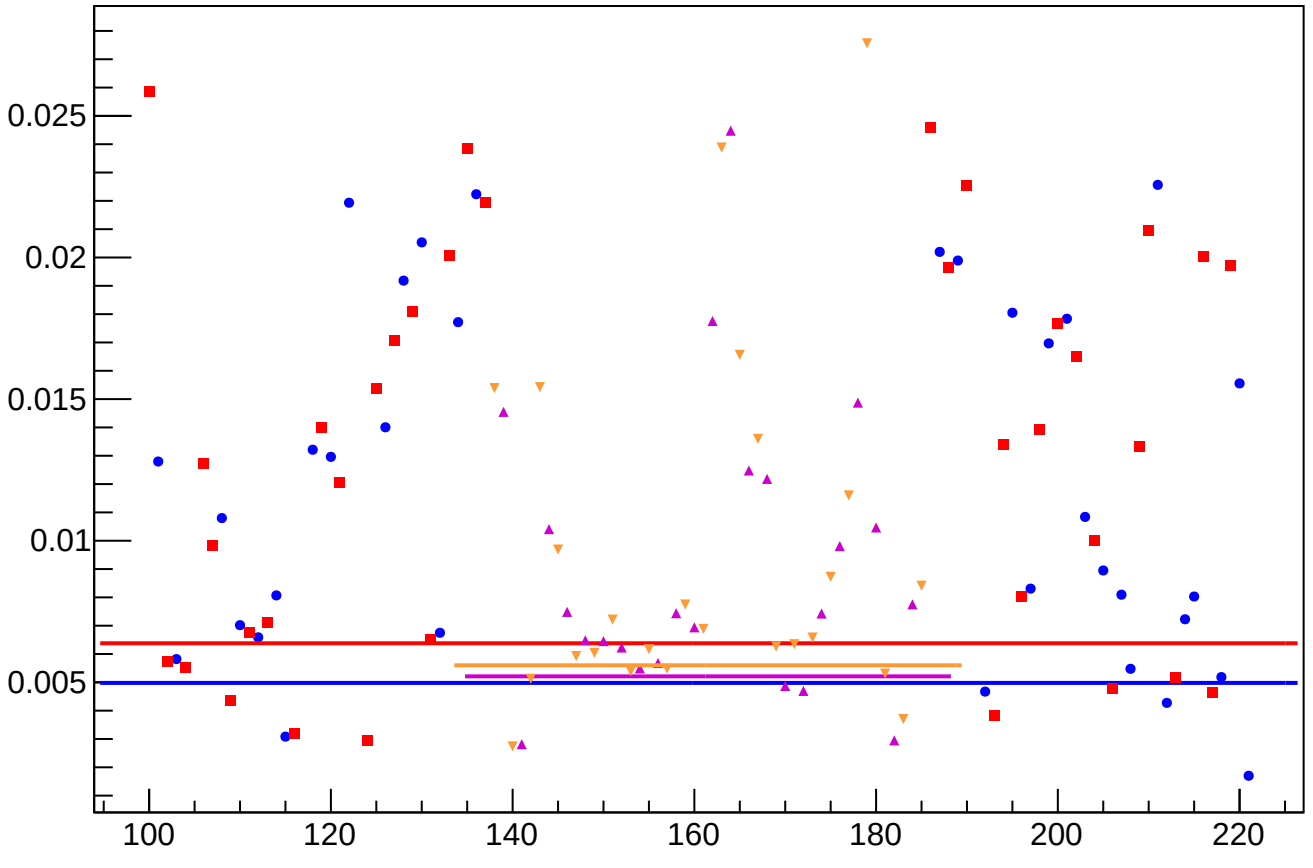
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 109.8/69

In: 0.000+/-0.000 χ^2/NDF:92.7/56

Out: 0.000+/-0.000 χ^2/NDF:104.2/60

All: 0.000+/-0.000 χ^2/NDF: 197.0/117



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: 0.006+/-0.000 χ^2/NDF: 12122411.8/35

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

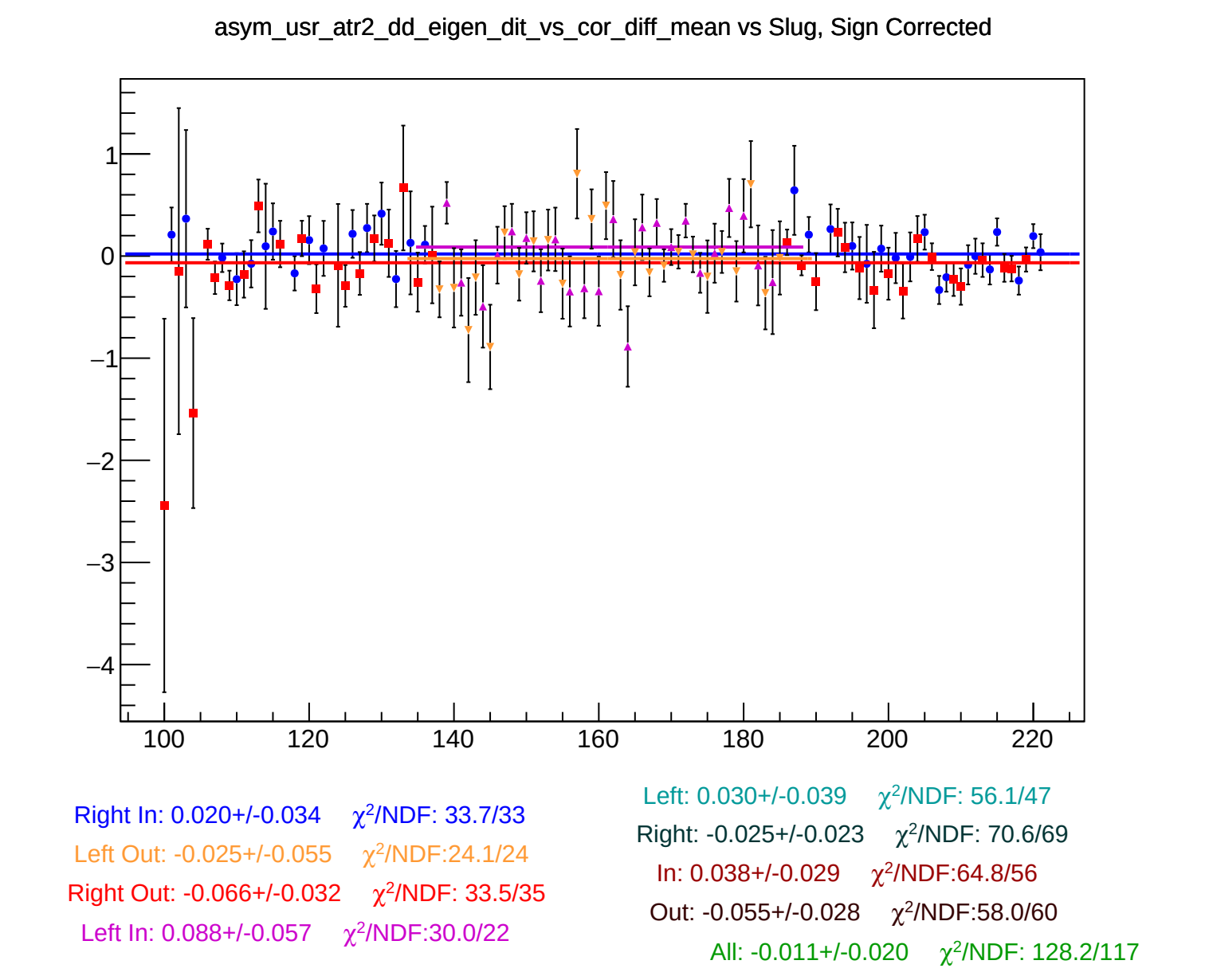
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.006+/-0.000 χ^2/NDF: 29336521.9/69

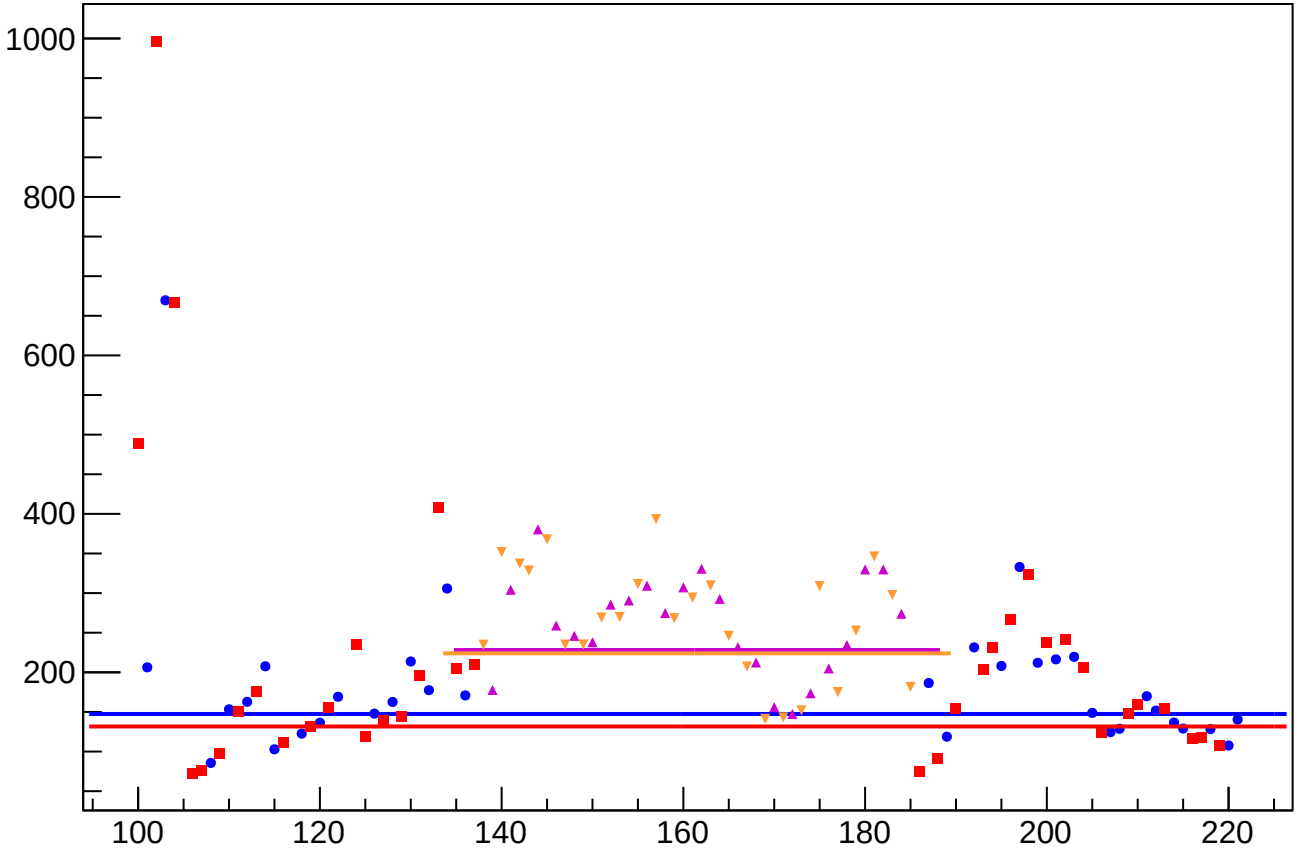
In: 0.005+/-0.000 χ^2/NDF:23897535.2/56

Out: 0.006+/-0.000 χ^2/NDF:20134173.9/60

All: 0.005+/-0.000 χ^2/NDF: 44662607.3/117


asym_usr_atr2_dd_eigen_dit_vs_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: -0.066+/-0.032 χ²/NDF: 33.5/35
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.025+/-0.023 χ²/NDF: 70.6/69
In: 0.038+/-0.029 χ²/NDF:64.8/56
Out: -0.055+/-0.028 χ²/NDF:58.0/60
All: -0.011+/-0.020 χ²/NDF: 128.2/117

asym_usr_atr2_dd_eigen_dit_vs_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: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

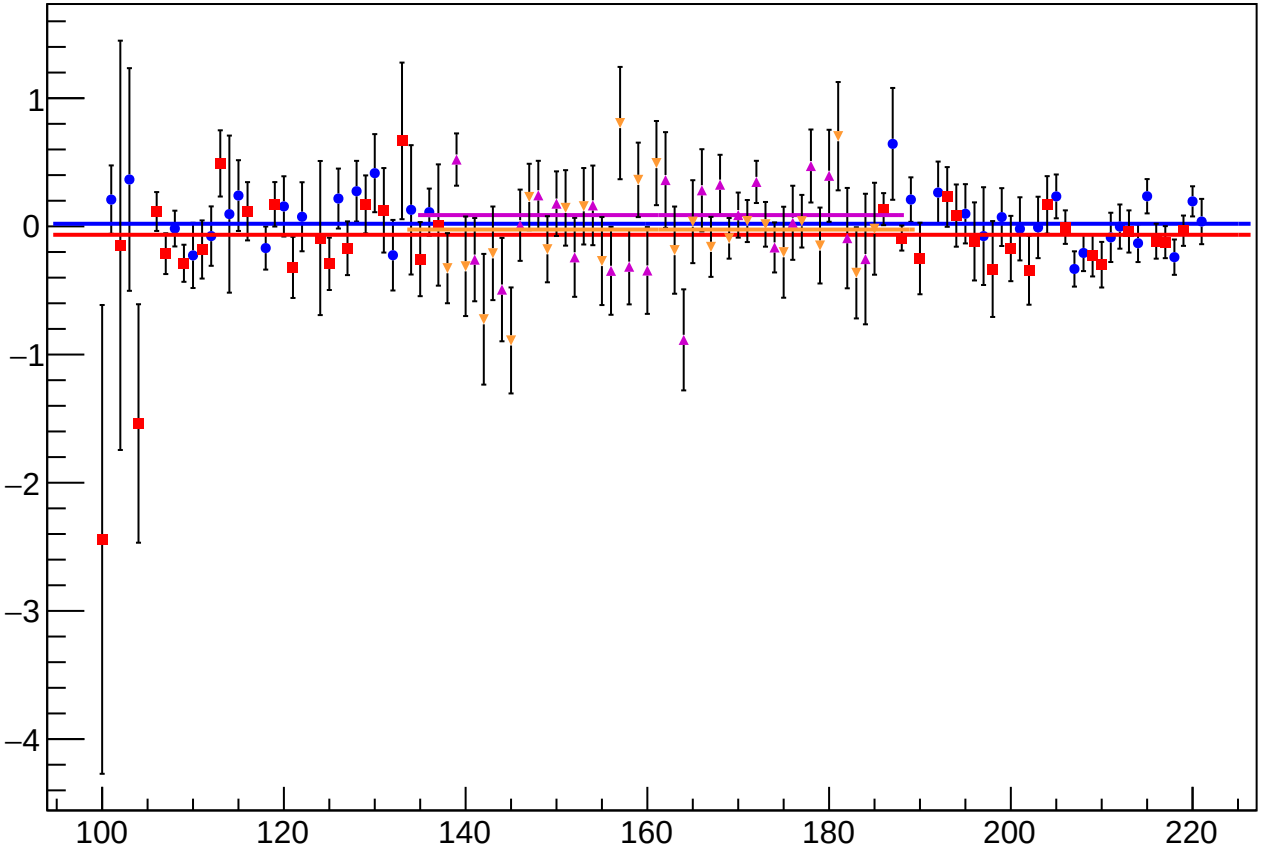
Right: 139.098+/-0.016 χ^2/NDF: 10022309.3/69

In: 168.755+/-0.021 χ^2/NDF:9053363.5/56

Out: 155.320+/-0.020 χ^2/NDF:13908270.1/60

All: 161.692+/-0.014 χ^2/NDF: 23185616.0/11

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: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

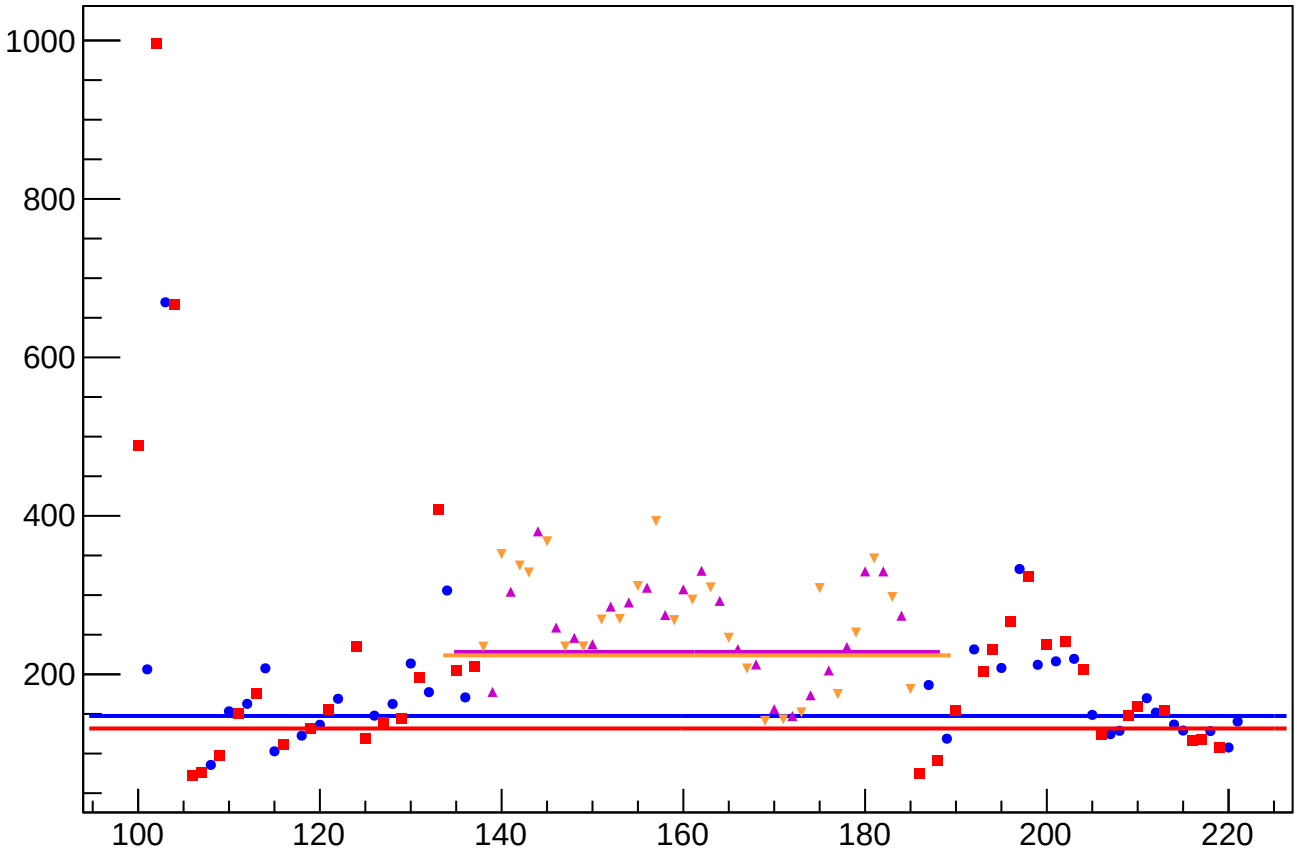
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.025+/-0.023 χ^2/NDF: 70.6/69

In: 0.038+/-0.029 χ^2/NDF:64.8/56

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.011+/-0.020 χ^2/NDF: 128.2/117



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: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

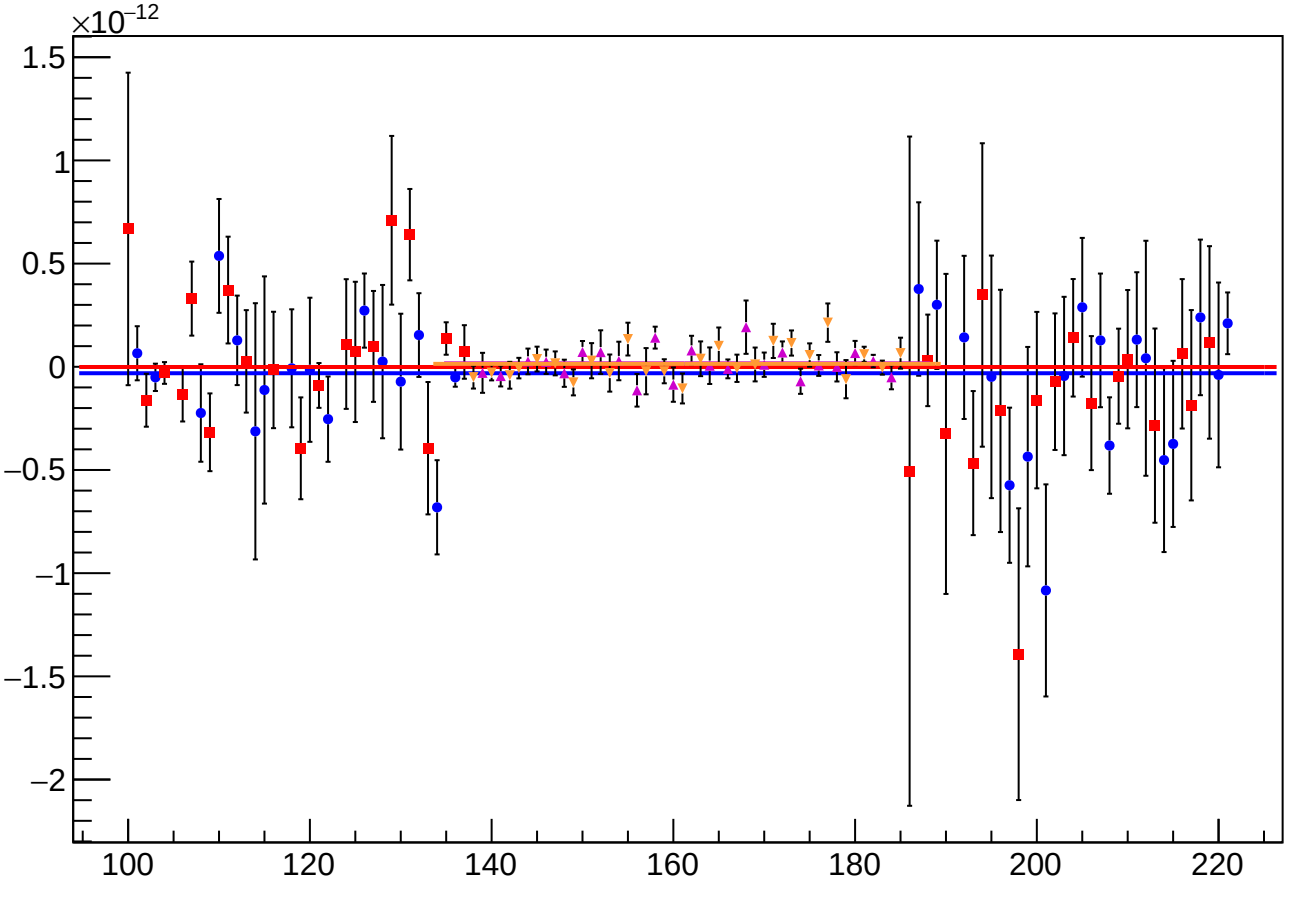
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 139.098+/-0.016 χ^2/NDF: 10022309.3/69

In: 168.755+/-0.021 χ^2/NDF:9053363.5/56

Out: 155.320+/-0.020 χ^2/NDF:13908270.1/60

All: 161.692+/-0.014 χ^2/NDF: 23185616.0/1



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: 39.6/35

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

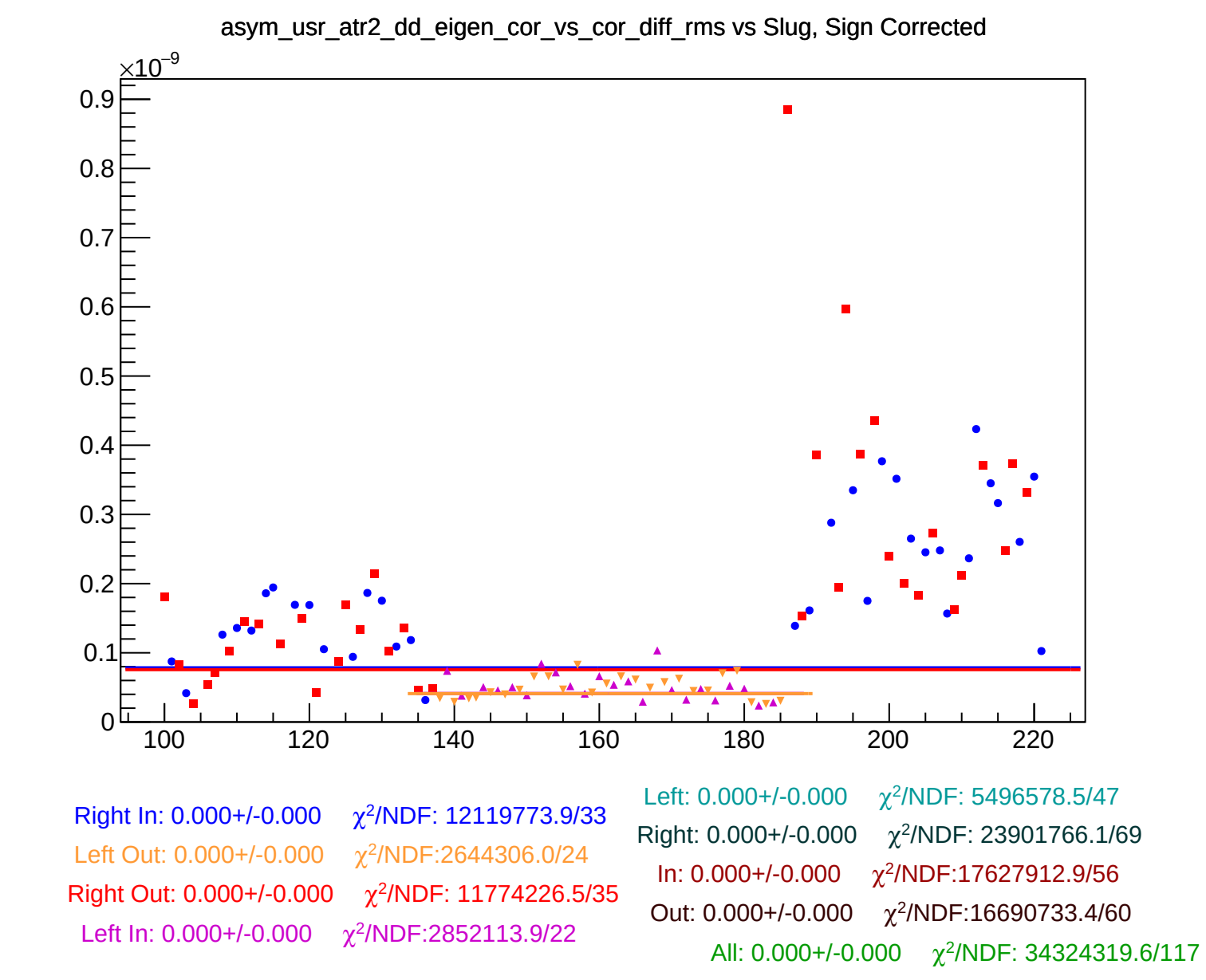
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

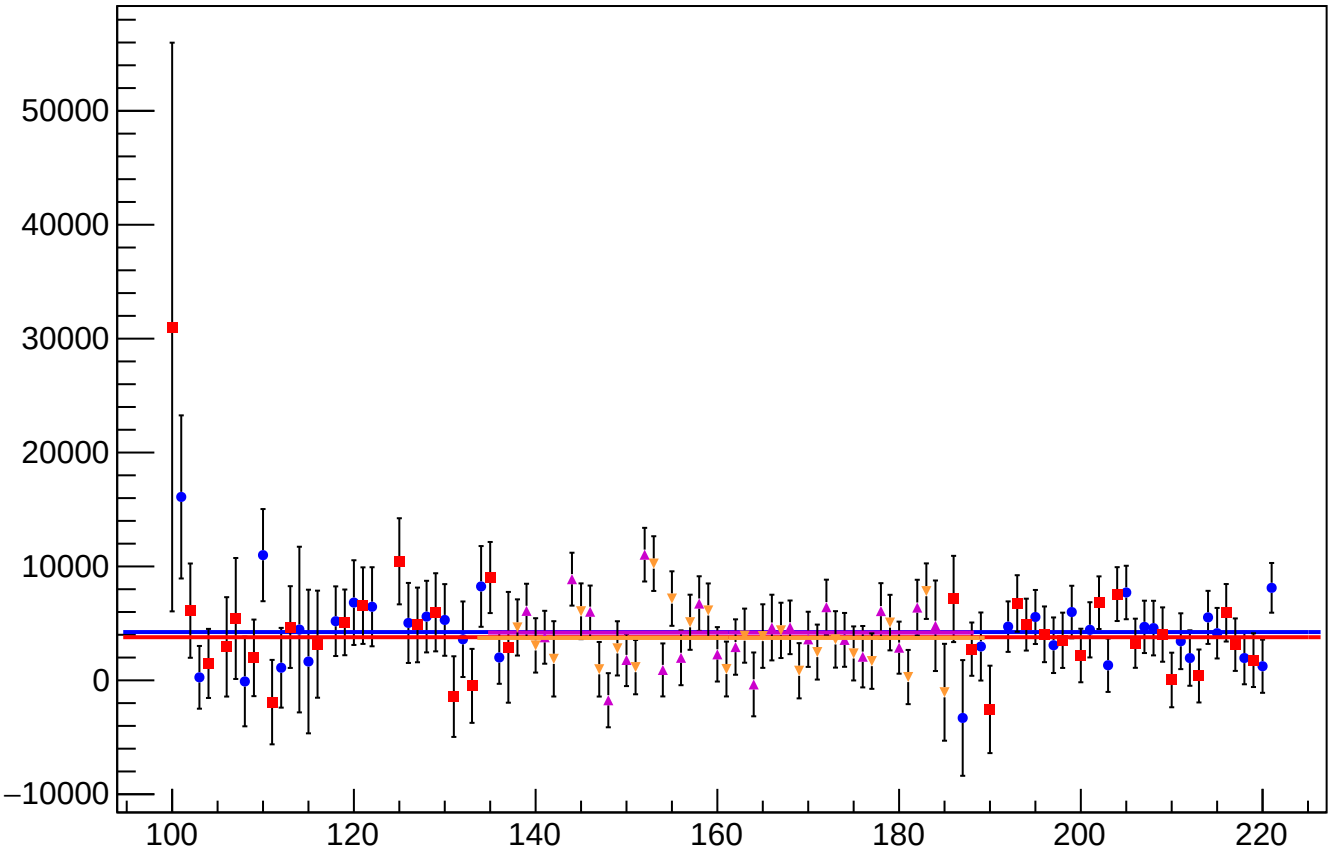
Right: -0.000+/-0.000 χ^2/NDF: 77.1/69

In: 0.000+/-0.000 χ^2/NDF:61.0/56

Out: 0.000+/-0.000 χ^2/NDF:65.1/60

All: 0.000+/-0.000 χ^2/NDF: 126.1/117


asym_usr_atr2_dd_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: 12119773.9/33
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11774226.5/35
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
Left: 0.000+/-0.000 χ²/NDF: 5496578.5/47
Right: 0.000+/-0.000 χ²/NDF: 23901766.1/69
In: 0.000+/-0.000 χ²/NDF:17627912.9/56
Out: 0.000+/-0.000 χ²/NDF:16690733.4/60
All: 0.000+/-0.000 χ²/NDF: 34324319.6/117



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: 3785.844+/-490.794 χ^2/NDF: 32.6/34

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

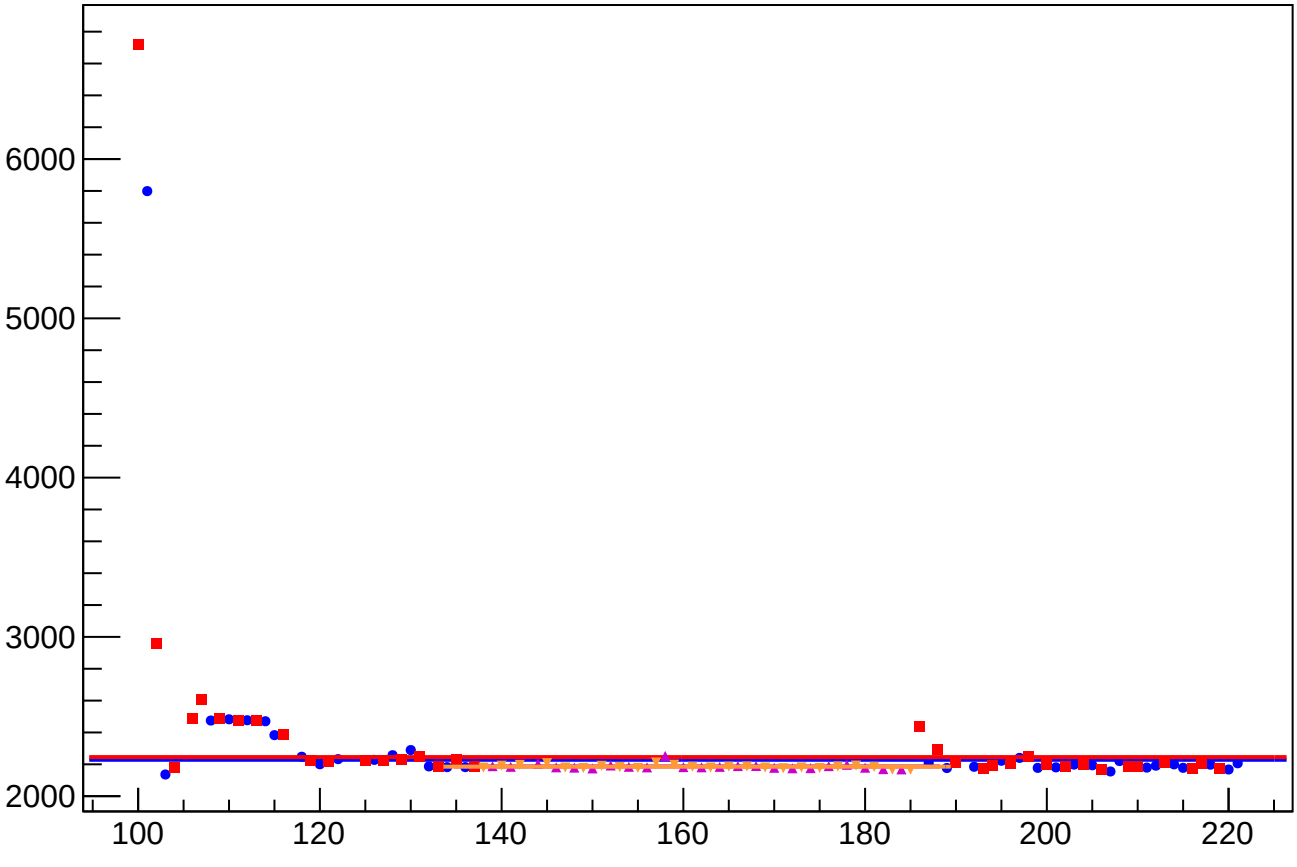
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4018.632+/-342.063 χ^2/NDF: 60.8/68

In: 4218.676+/-348.557 χ^2/NDF:59.9/56

Out: 3755.687+/-352.686 χ^2/NDF:58.0/58

All: 3989.908+/-247.914 χ^2/NDF: 118.8/115



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: 2245.327+/-0.347 χ^2/NDF: 191911.6/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

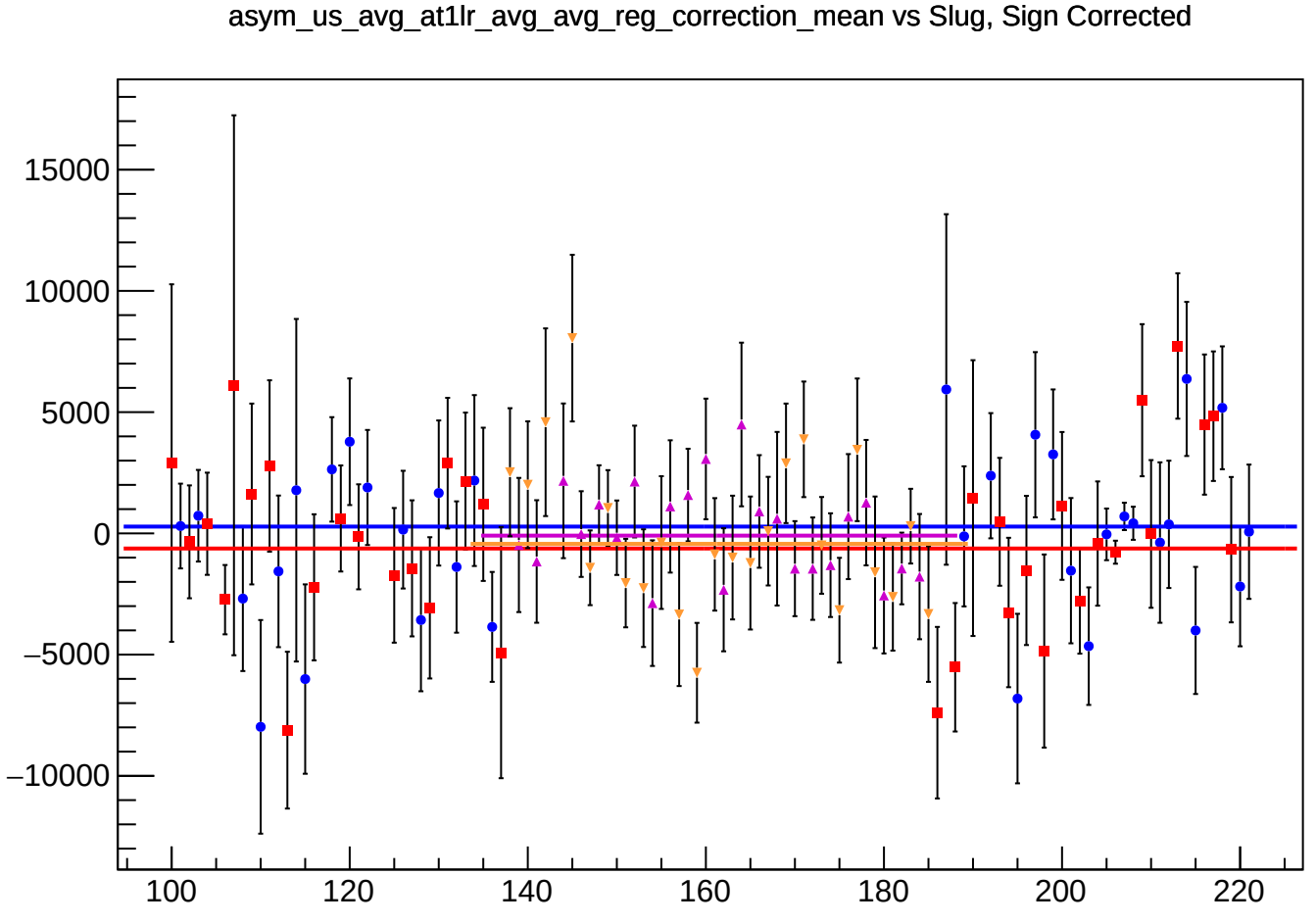
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2236.665+/-0.242 χ^2/NDF: 734901.0/68

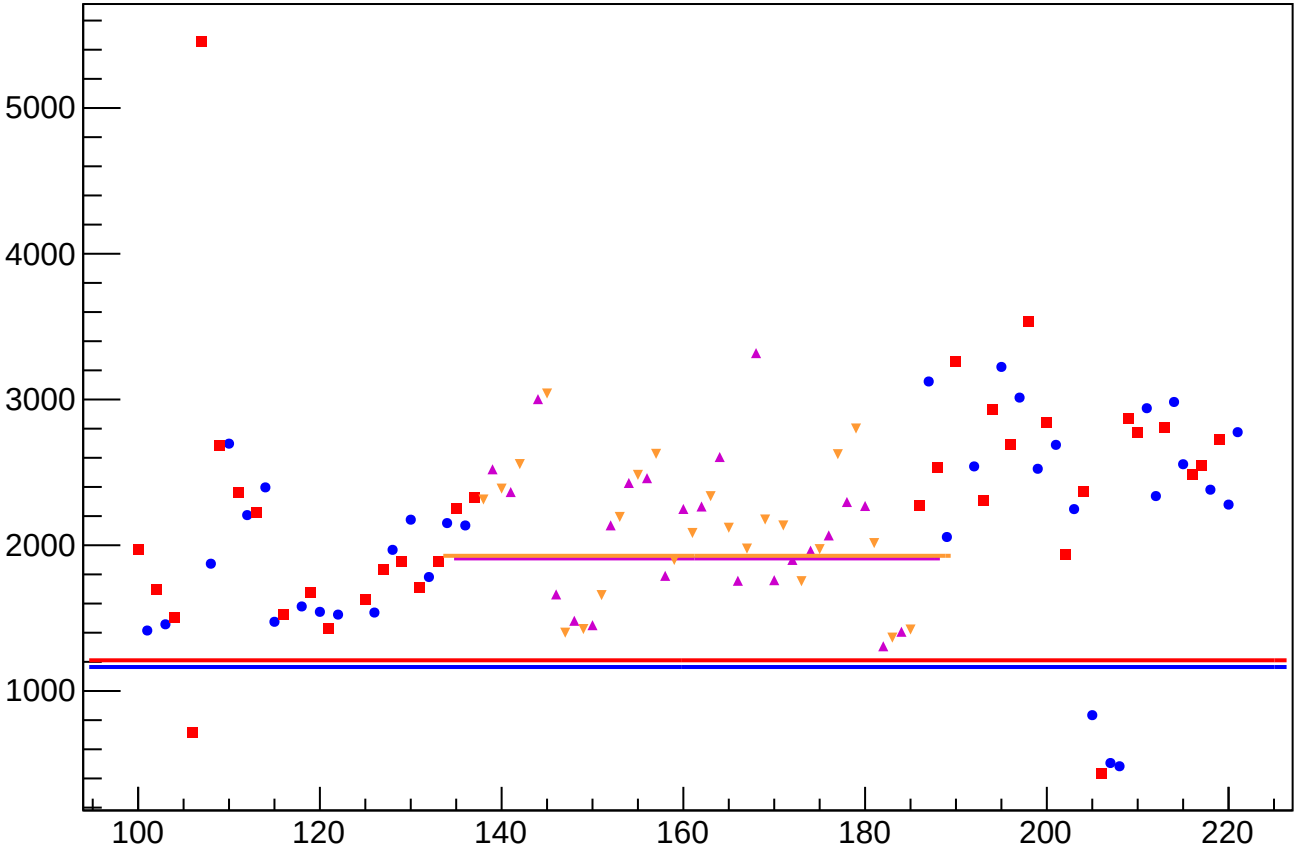
In: 2209.032+/-0.246 χ^2/NDF:550978.4/56

Out: 2216.216+/-0.249 χ^2/NDF:207275.7/58

All: 2212.582+/-0.175 χ^2/NDF: 758673.9/115


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 280.419+/-311.691 χ²/NDF: 41.1/33
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: -624.293+/-337.816 χ²/NDF: 44.7/34
Left In: -92.649+/-460.669 χ²/NDF:12.8/22
Left: -261.837+/-326.347 χ²/NDF: 44.3/46
Right: -135.605+/-229.079 χ²/NDF: 89.7/68
In: 163.264+/-258.152 χ²/NDF:54.4/56
Out: -557.472+/-272.772 χ²/NDF:76.1/58
All: -177.272+/-187.497 χ²/NDF: 134.1/115

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: 1210.625+/-0.239 χ^2/NDF: 14989932.6/34

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

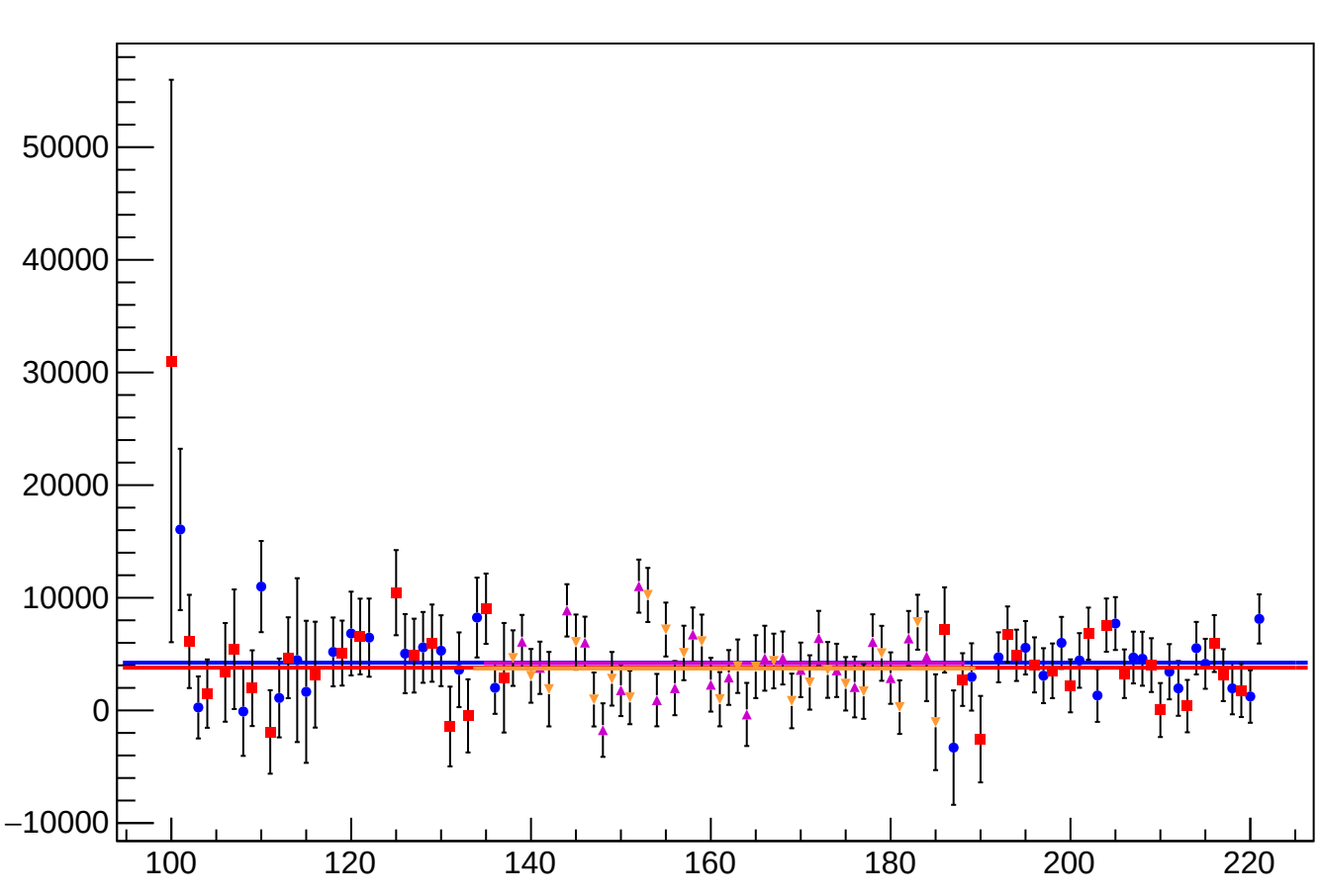
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1185.722+/-0.162 χ^2/NDF: 29243023.4/68

In: 1398.505+/-0.183 χ^2/NDF:19764236.1/56

Out: 1460.163+/-0.193 χ^2/NDF:19924094.7/58

All: 1427.637+/-0.133 χ^2/NDF: 39742238.2/1



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: 3791.601+/-490.821 χ^2/NDF: 32.5/34

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

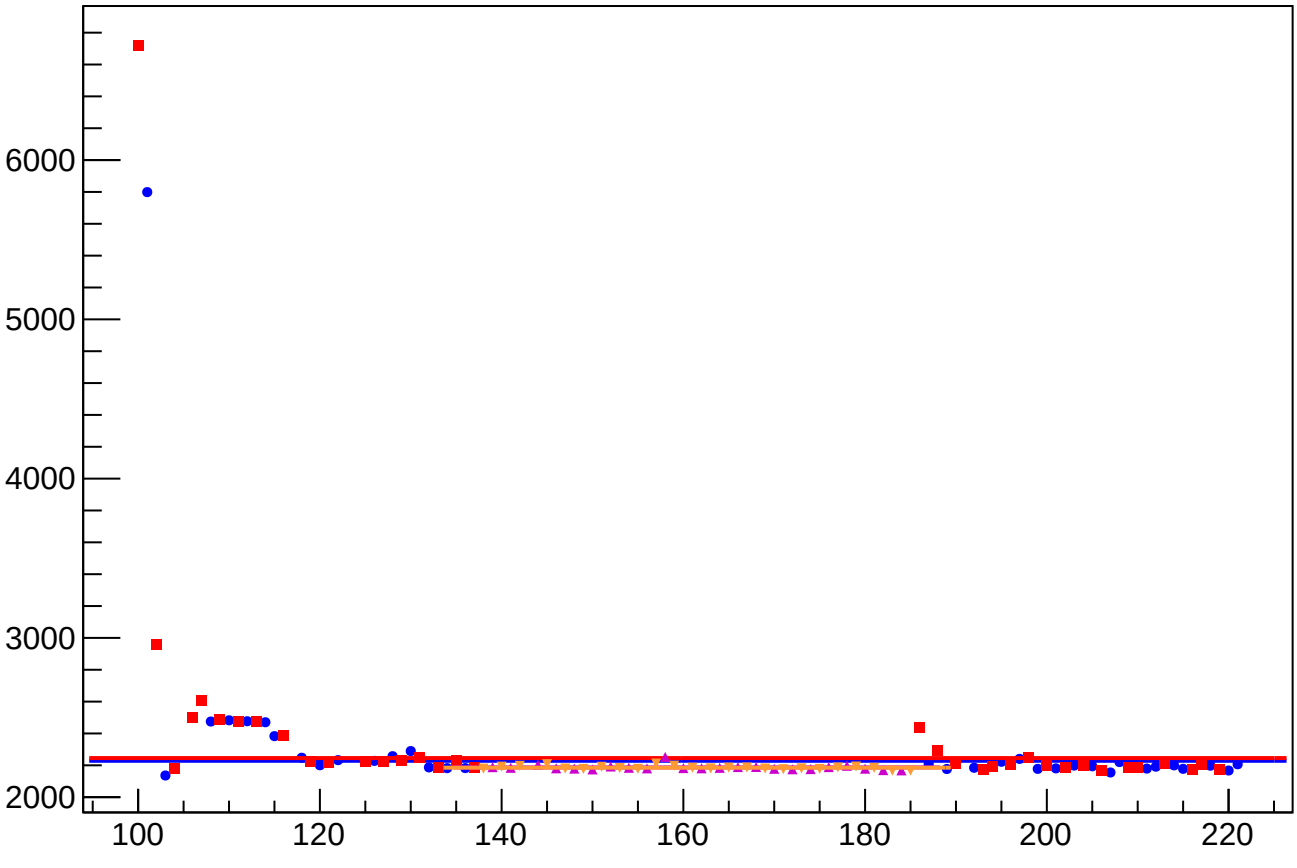
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4021.312+/-342.072 χ^2/NDF: 60.8/68

In: 4218.598+/-348.557 χ^2/NDF:59.9/56

Out: 3758.633+/-352.696 χ^2/NDF:58.0/58

All: 3991.330+/-247.917 χ^2/NDF: 118.8/115



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: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

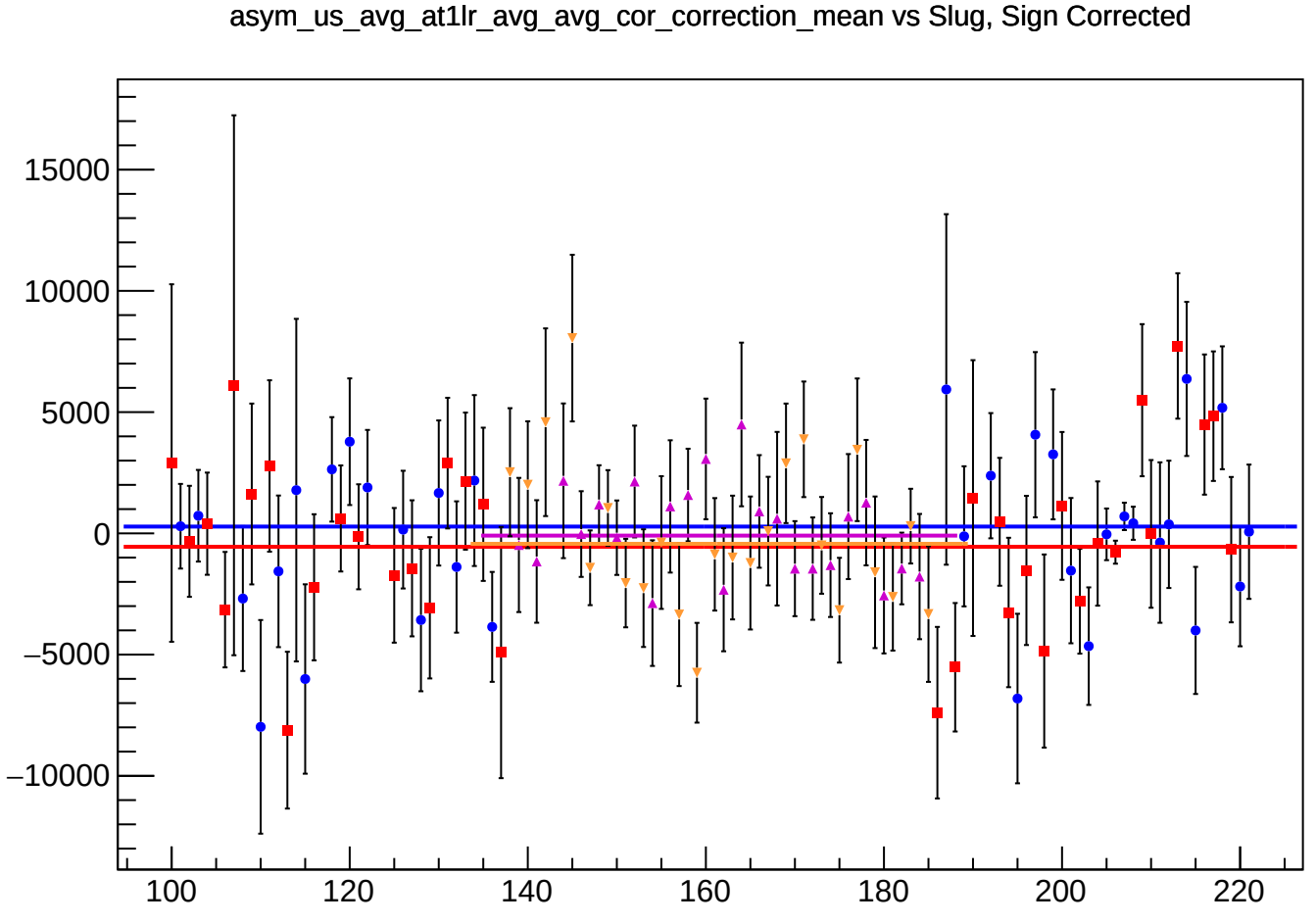
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

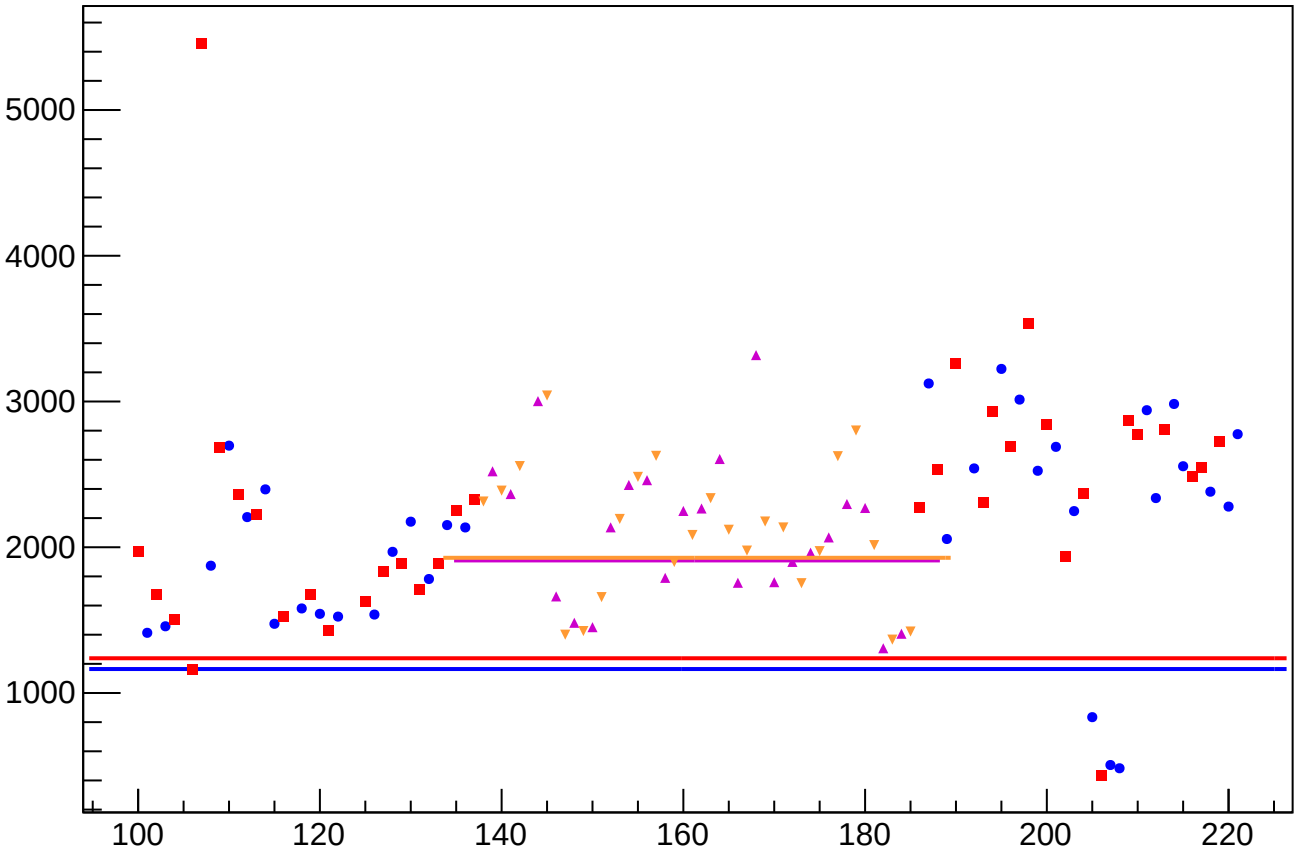
Right: 2236.717+/-0.242 χ^2/NDF: 735421.9/68

In: 2209.032+/-0.246 χ^2/NDF:550978.8/56

Out: 2216.271+/-0.249 χ^2/NDF:207832.0/58

All: 2212.608+/-0.175 χ^2/NDF: 759237.0/115


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: -554.021+/-343.888 χ²/NDF: 43.6/34
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -95.994+/-230.937 χ²/NDF: 87.9/68
In: 163.162+/-258.142 χ²/NDF:54.4/56
Out: -510.679+/-275.939 χ²/NDF:74.9/58
All: -151.329+/-188.512 χ²/NDF: 132.4/115



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: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

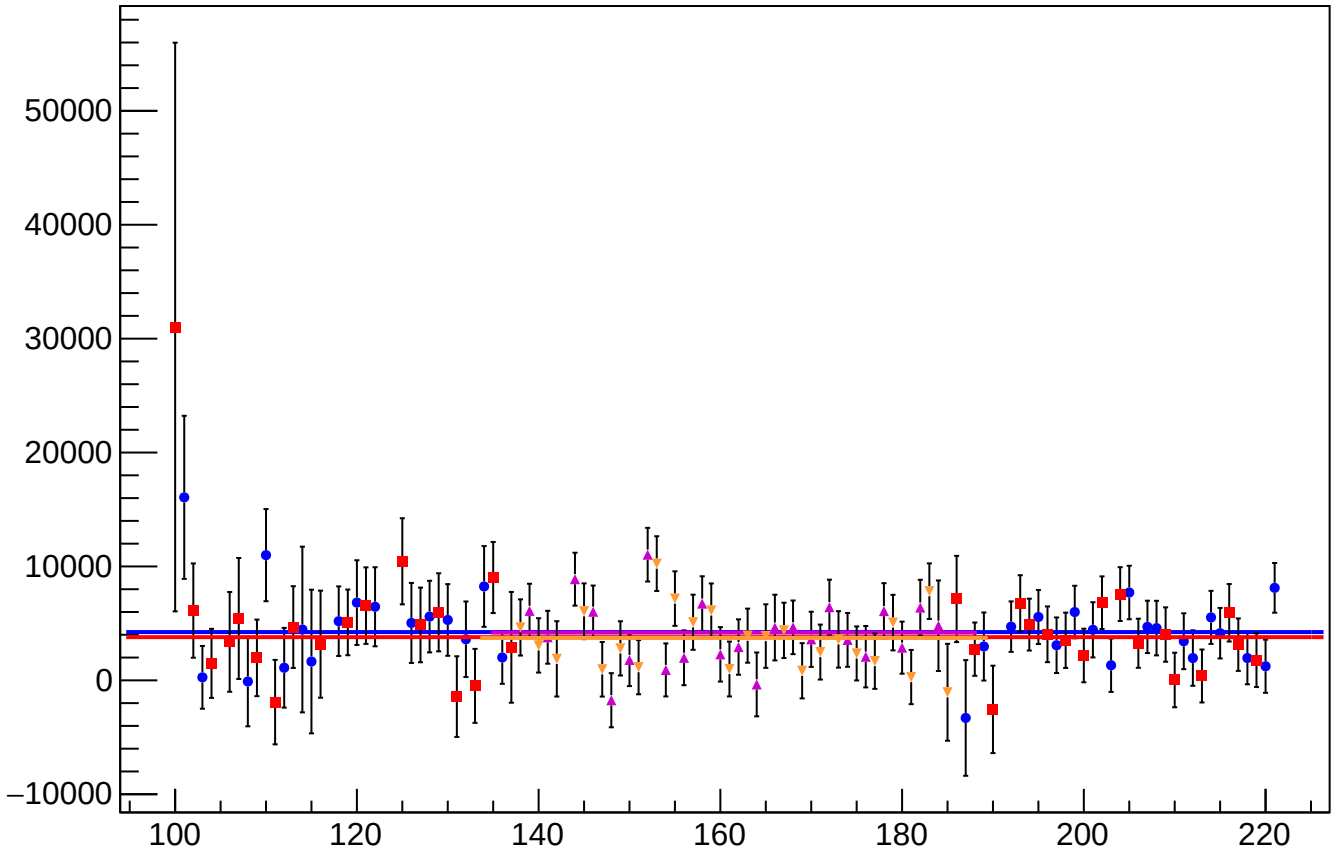
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1197.769+/-0.163 χ^2/NDF: 29017077.6/68

In: 1398.439+/-0.183 χ^2/NDF:19765162.9/56

Out: 1483.827+/-0.195 χ^2/NDF:19393791.4/58

All: 1438.291+/-0.133 χ^2/NDF: 39261085.2/1



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: 3791.601+/-490.821 χ^2/NDF: 32.5/34

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

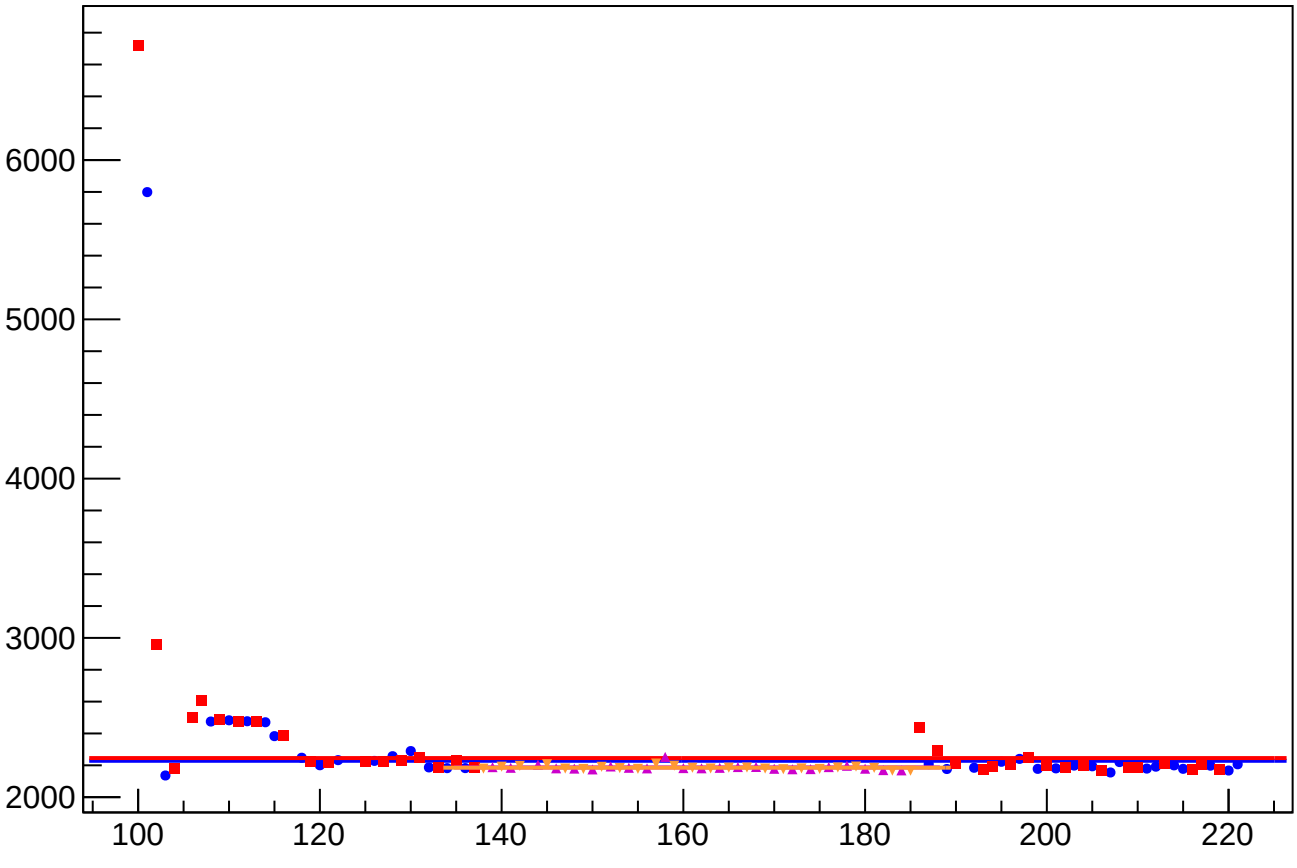
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4021.312+/-342.072 χ^2/NDF: 60.8/68

In: 4218.598+/-348.557 χ^2/NDF:59.9/56

Out: 3758.633+/-352.696 χ^2/NDF:58.0/58

All: 3991.330+/-247.917 χ^2/NDF: 118.8/115



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: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

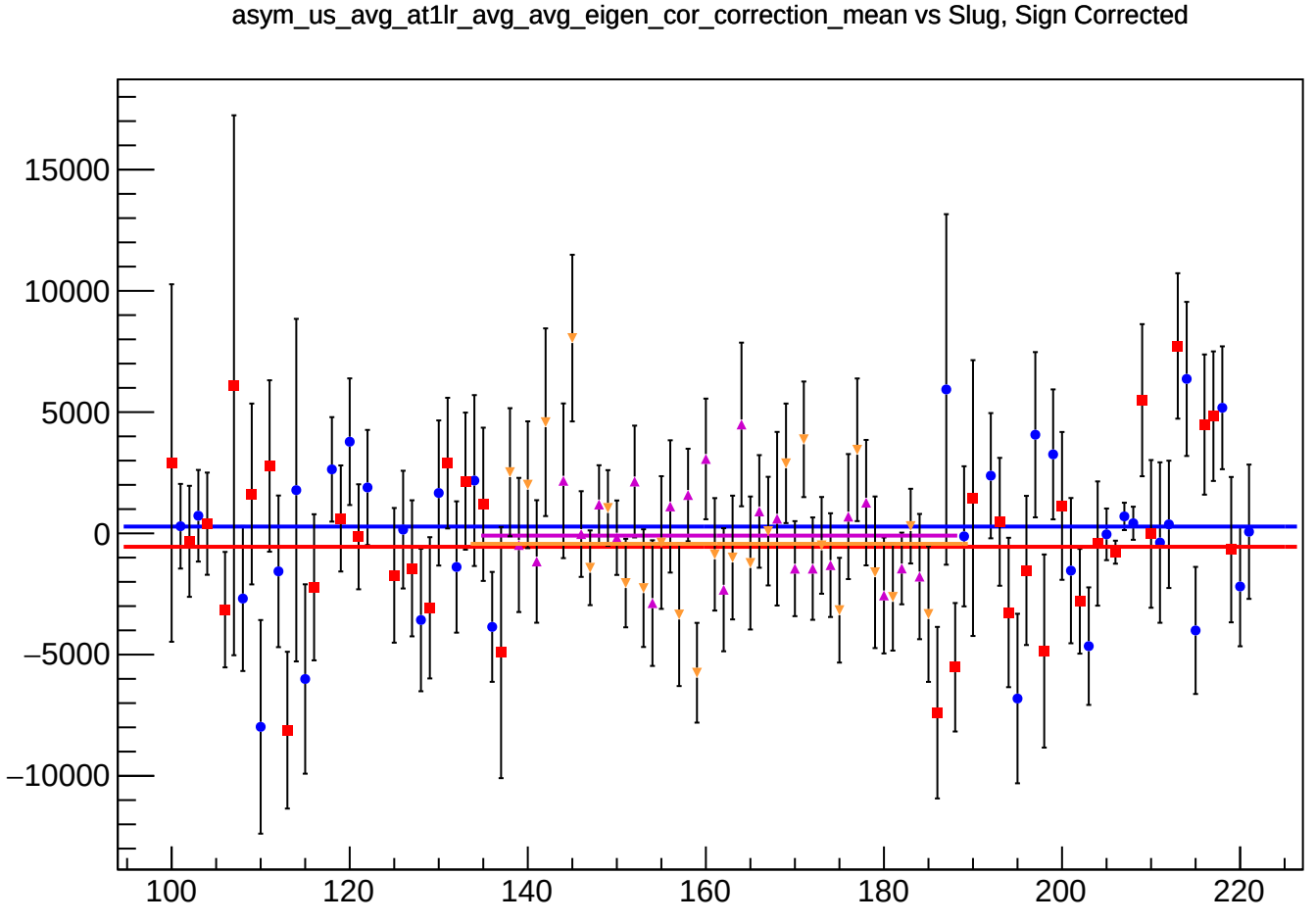
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2236.717+/-0.242 χ^2/NDF: 735421.9/68

In: 2209.032+/-0.246 χ^2/NDF:550978.8/56

Out: 2216.271+/-0.249 χ^2/NDF:207832.0/58

All: 2212.608+/-0.175 χ^2/NDF: 759237.0/115


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
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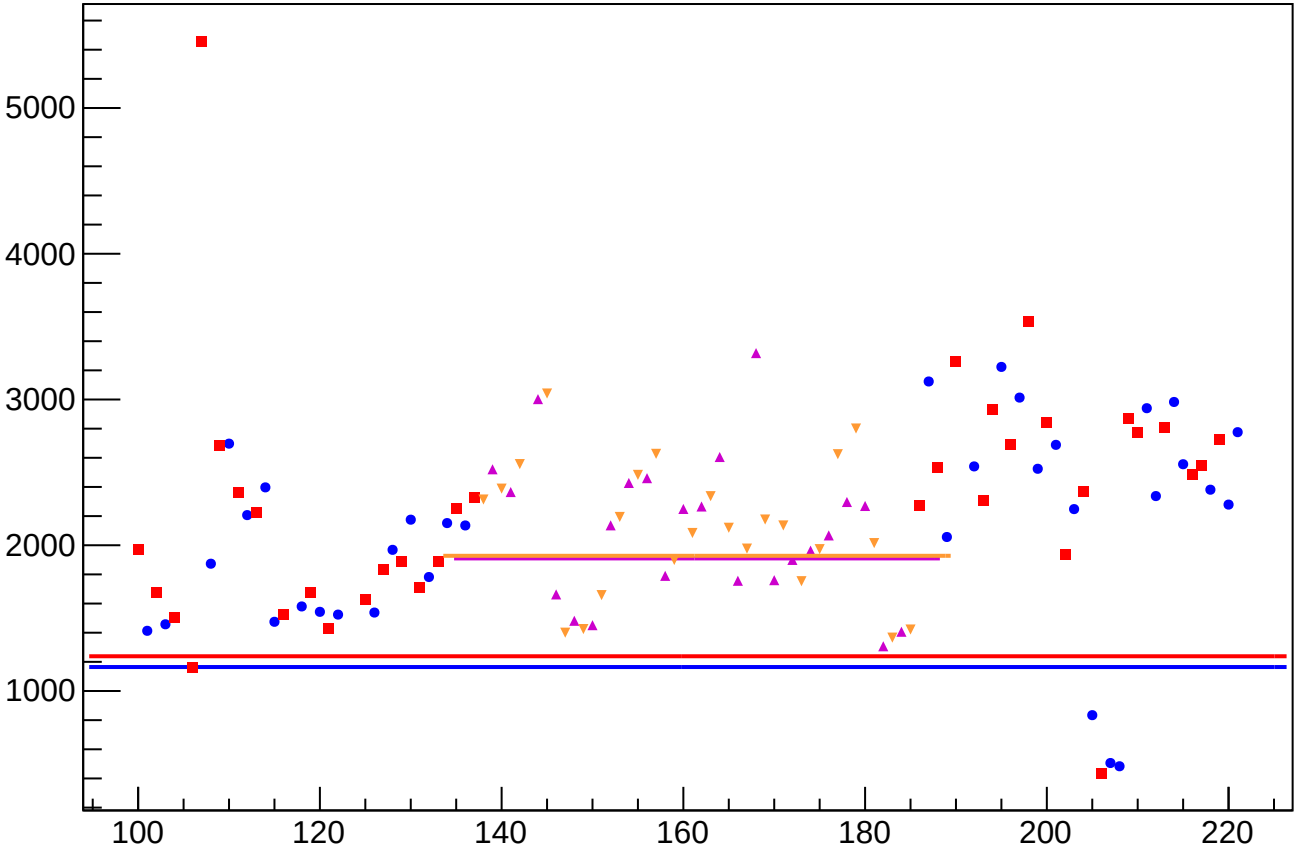
220
Right In: 280.236+/-311.672 χ²/NDF: 41.1/33
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -554.021+/-343.888 χ²/NDF: 43.6/34
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -95.994+/-230.937 χ²/NDF: 87.9/68
In: 163.162+/-258.142 χ²/NDF:54.4/56
Out: -510.679+/-275.939 χ²/NDF:74.9/58
All: -151.329+/-188.512 χ²/NDF: 132.4/115

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

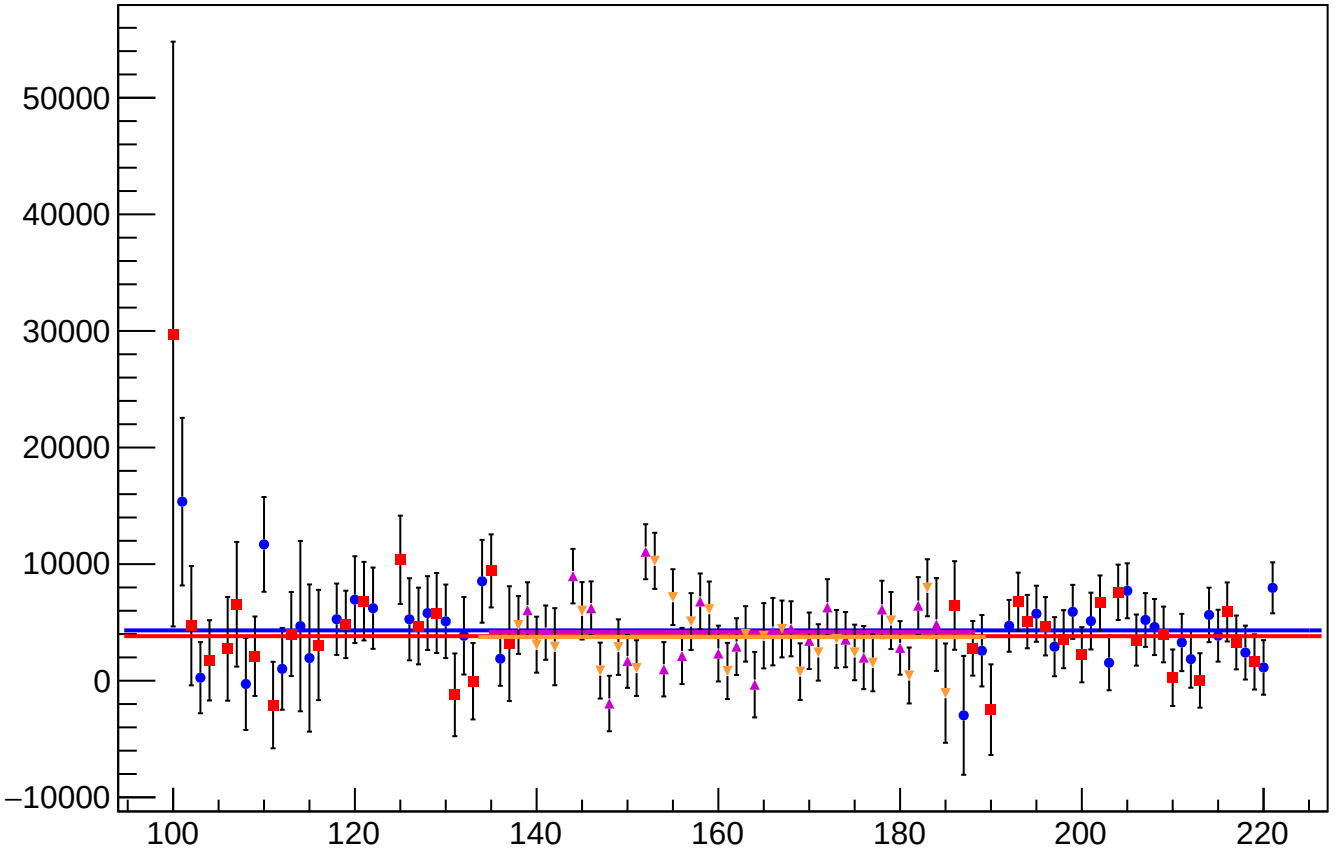
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1197.769+/-0.163 χ^2/NDF: 29017077.6/68

In: 1398.439+/-0.183 χ^2/NDF:19765162.9/56

Out: 1483.827+/-0.195 χ^2/NDF:19393791.4/58

All: 1438.291+/-0.133 χ^2/NDF: 39261085.2/1



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: 3821.441+/-496.926 χ^2/NDF: 31.6/34

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

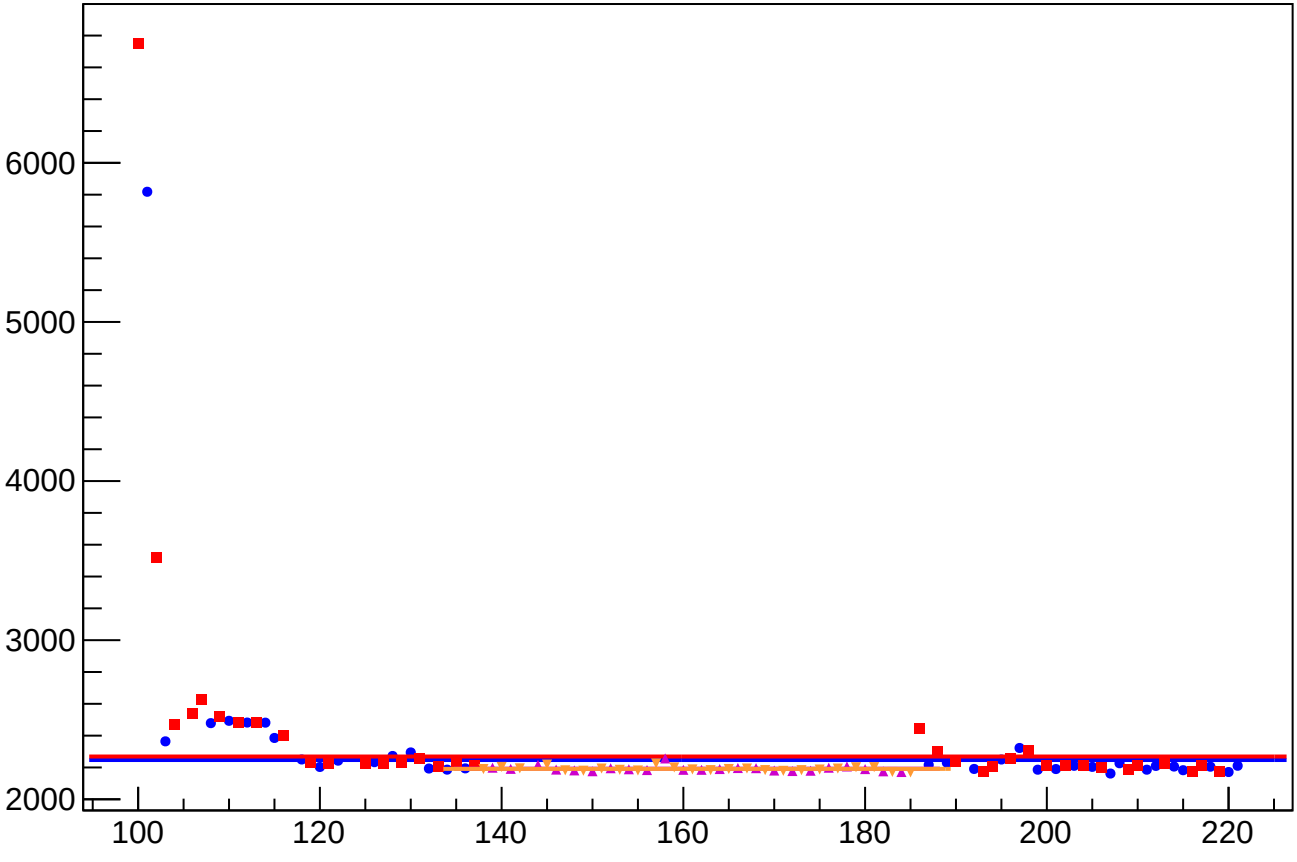
Right: 4077.691+/-345.609 χ^2/NDF: 59.8/68

In: 4255.142+/-350.519 χ^2/NDF:60.4/56

Out: 3788.533+/-355.424 χ^2/NDF:57.3/58

All: 4025.080+/-249.571 χ^2/NDF: 118.5/115

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



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: 2268.770+/-0.351 χ^2/NDF: 261937.1/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

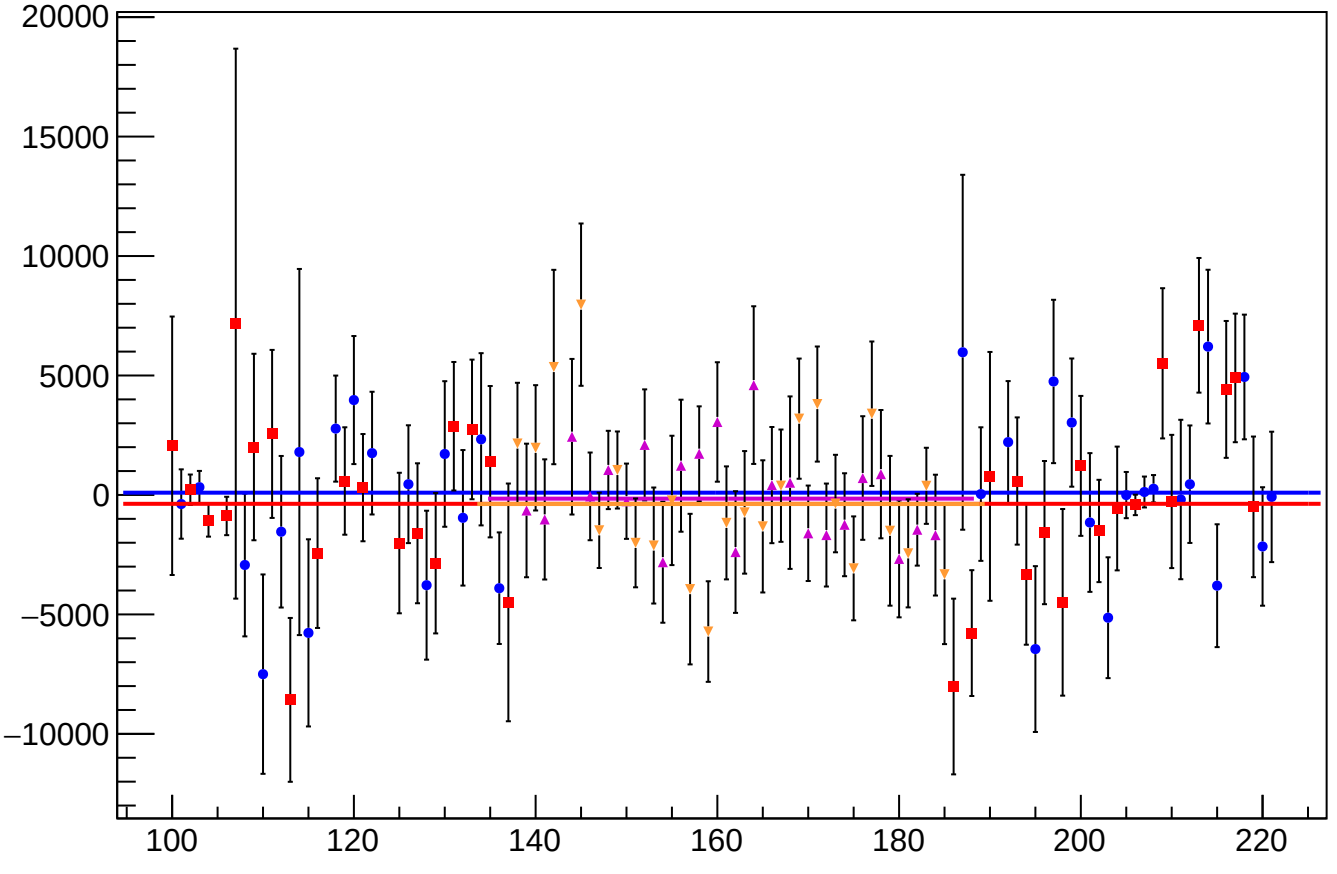
Right: 2257.403+/-0.244 χ^2/NDF: 807267.6/68

In: 2221.172+/-0.248 χ^2/NDF:557649.4/56

Out: 2230.857+/-0.251 χ^2/NDF:287001.9/58

All: 2225.947+/-0.176 χ^2/NDF: 845404.1/115

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: -371.010+/-258.357 χ^2/NDF: 43.9/34

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

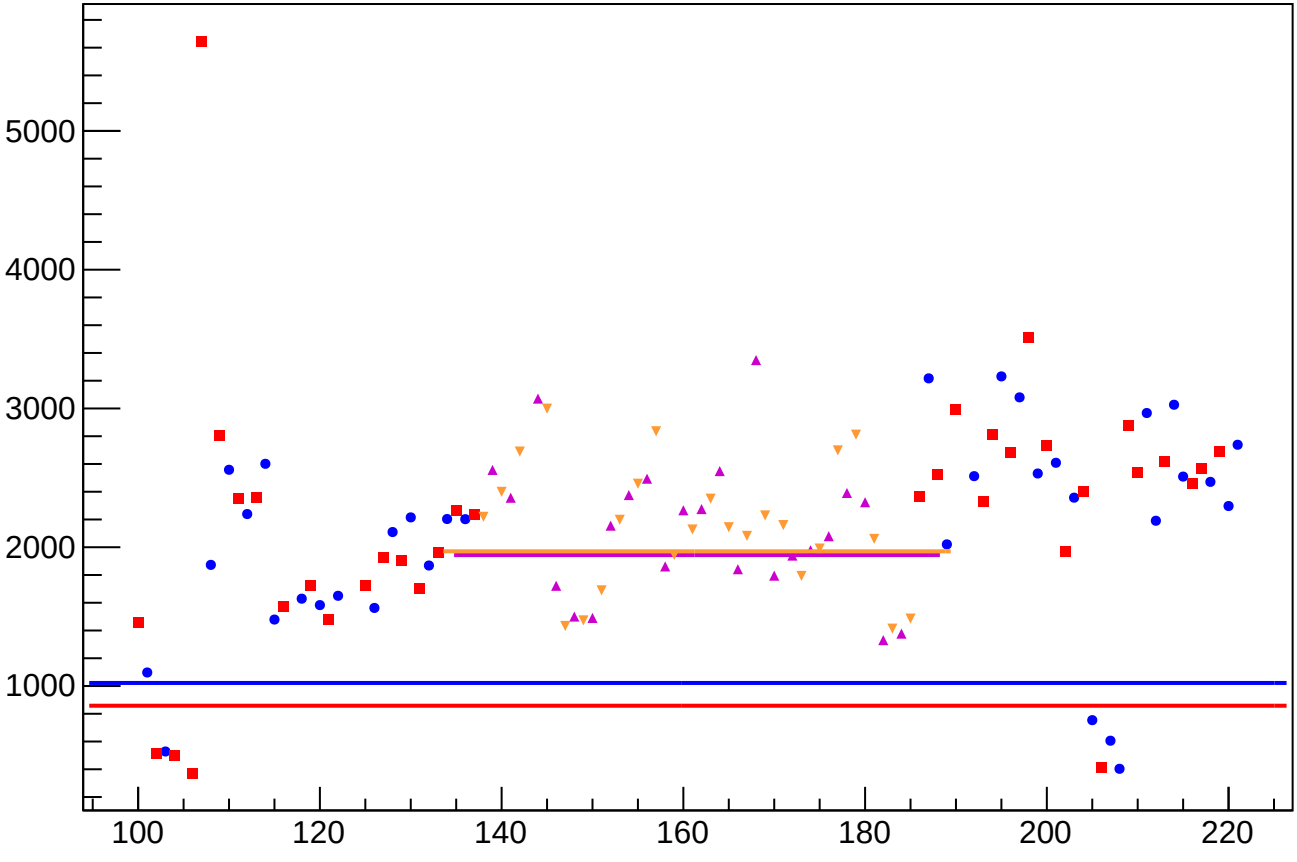
Right: -158.231+/-190.479 χ^2/NDF: 84.5/68

In: 28.679+/-241.501 χ^2/NDF:52.1/56

Out: -373.199+/-226.571 χ^2/NDF:74.7/58

All: -185.066+/-165.236 χ^2/NDF: 128.2/115

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



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: 857.997+/-0.183 χ^2/NDF: 19165954.4/34

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

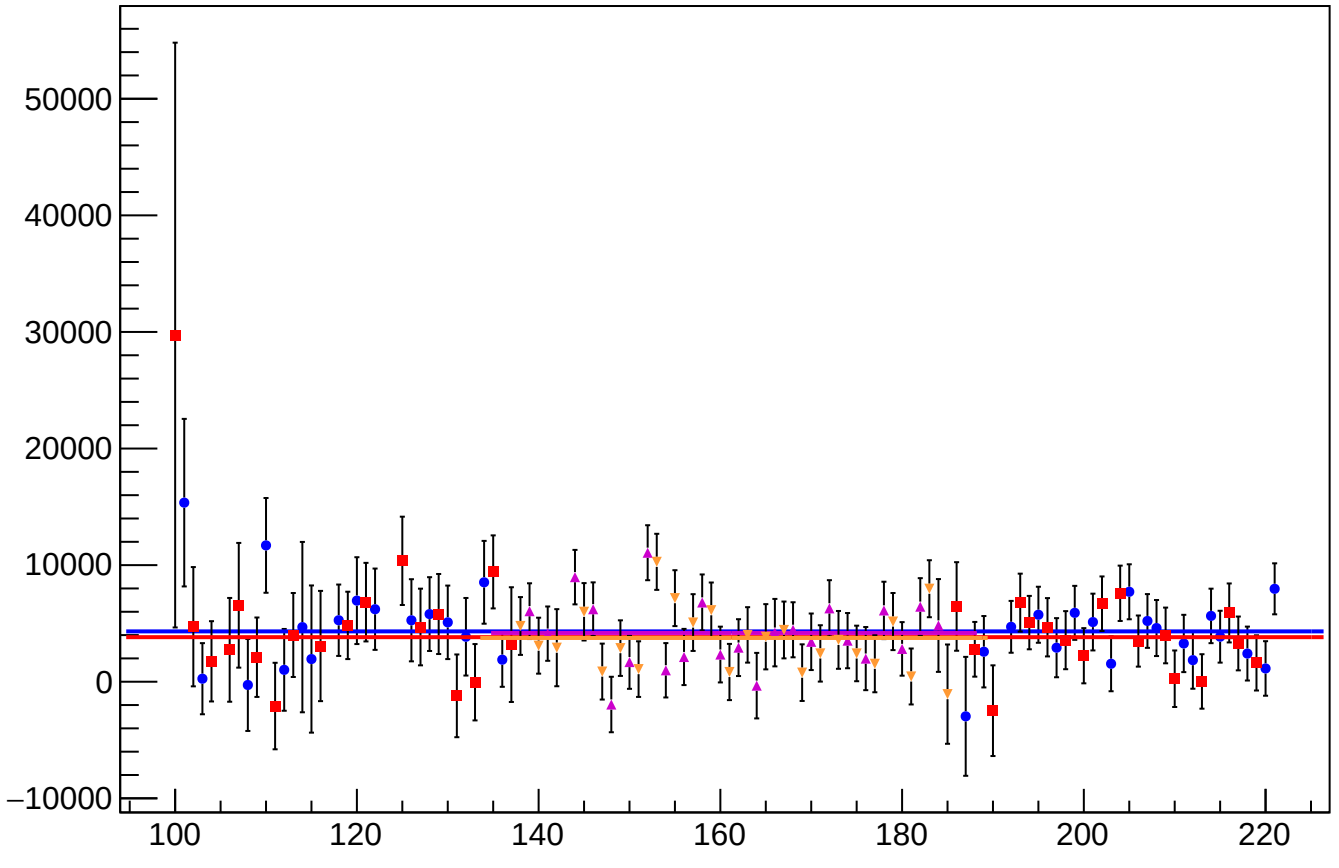
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 932.867+/-0.135 χ^2/NDF: 35603722.7/68

In: 1267.437+/-0.171 χ^2/NDF:23643230.1/56

Out: 1114.943+/-0.160 χ^2/NDF:29428881.8/58

All: 1186.331+/-0.117 χ^2/NDF: 53496243.3/1



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: 3821.441+/-496.926 χ^2/NDF: 31.6/34

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

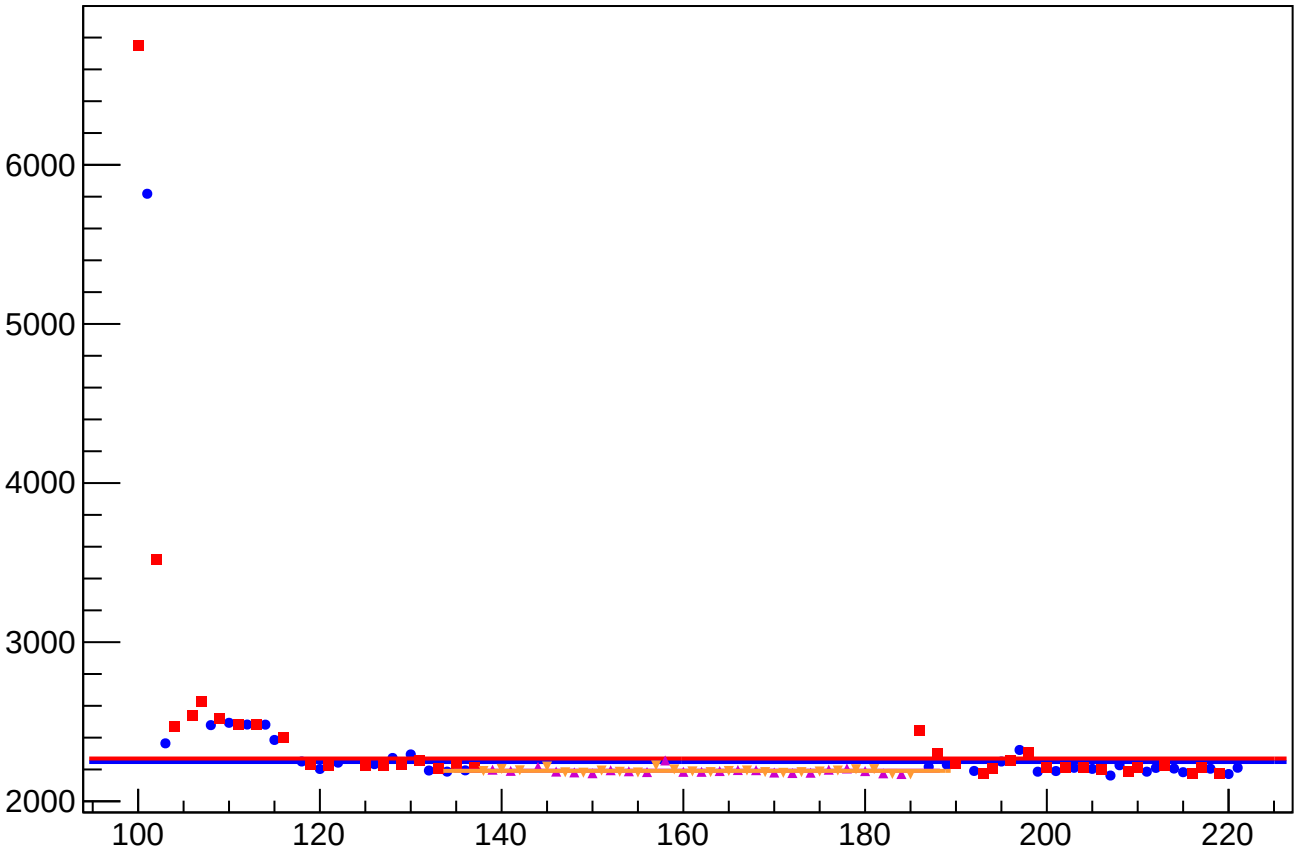
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4077.691+/-345.609 χ^2/NDF: 59.8/68

In: 4255.142+/-350.519 χ^2/NDF:60.4/56

Out: 3788.532+/-355.424 χ^2/NDF:57.3/58

All: 4025.079+/-249.571 χ^2/NDF: 118.5/115



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: 2268.770+/-0.351 χ^2/NDF: 261935.8/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

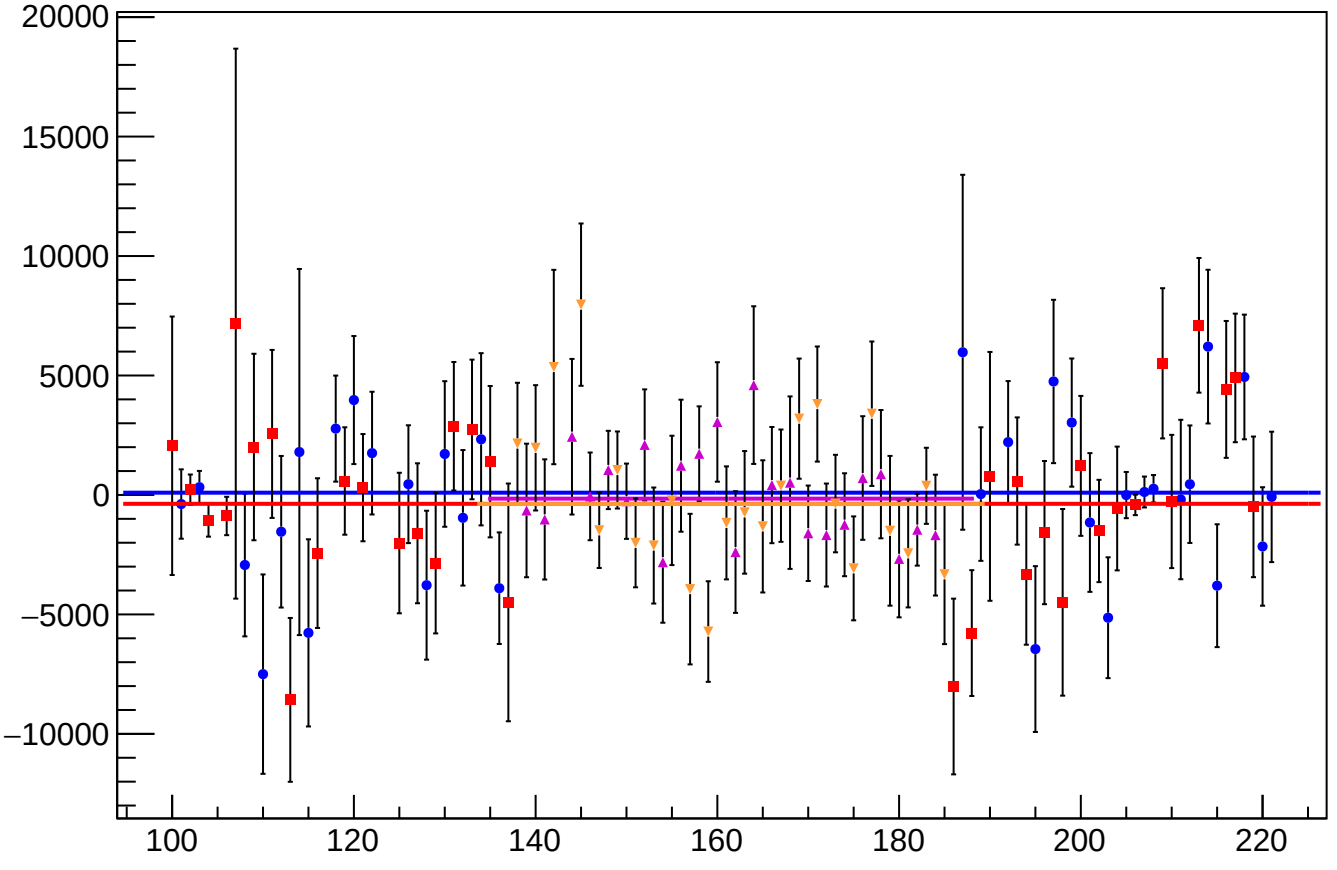
Right: 2257.403+/-0.244 χ^2/NDF: 807266.1/68

In: 2221.172+/-0.248 χ^2/NDF:557649.1/56

Out: 2230.857+/-0.251 χ^2/NDF:287000.4/58

All: 2225.947+/-0.176 χ^2/NDF: 845402.4/115

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: -371.006+/-258.358 χ^2/NDF: 43.9/34

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

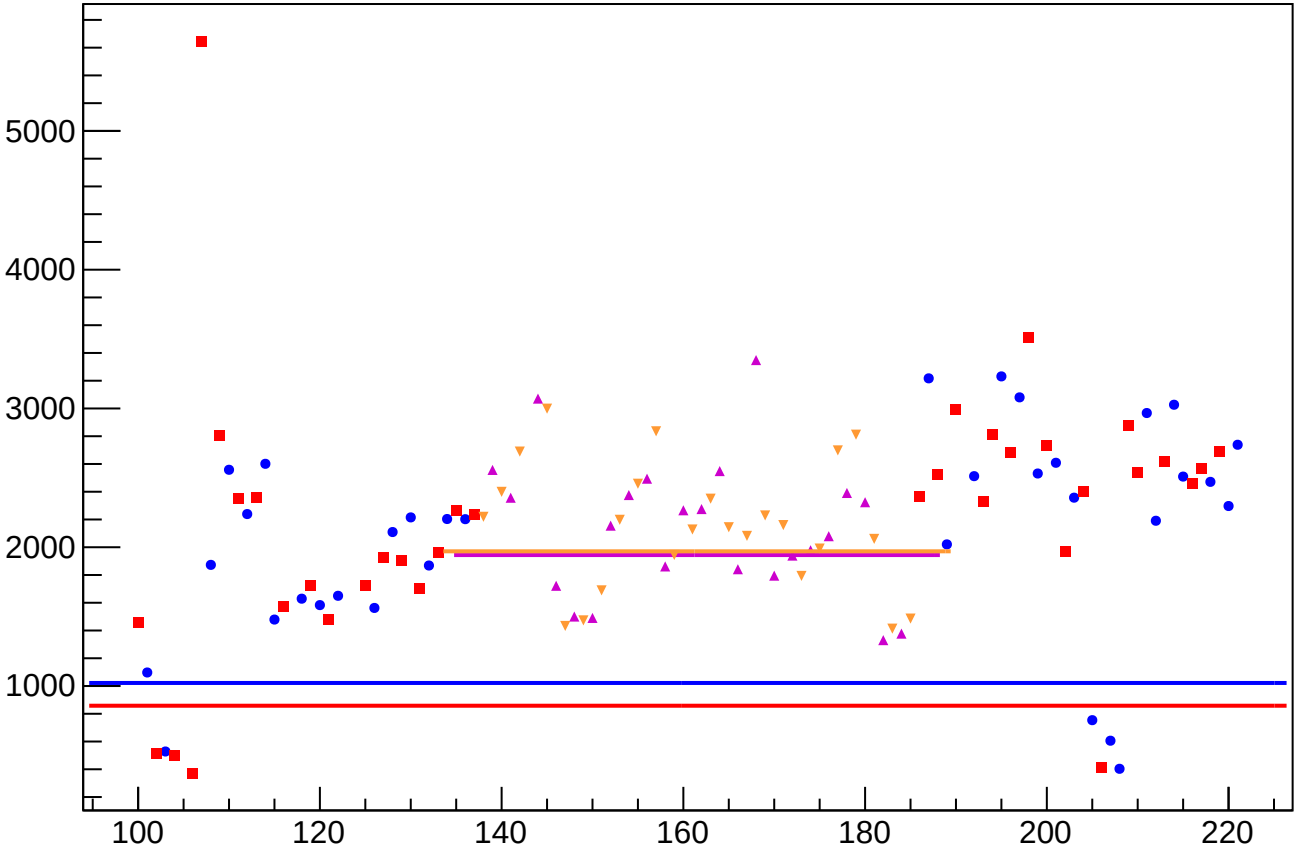
Right: -158.230+/-190.479 χ^2/NDF: 84.5/68

In: 28.677+/-241.501 χ^2/NDF:52.1/56

Out: -373.197+/-226.572 χ^2/NDF:74.7/58

All: -185.065+/-165.236 χ^2/NDF: 128.2/115

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: 858.002+/-0.183 χ^2/NDF: 19165870.0/34

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

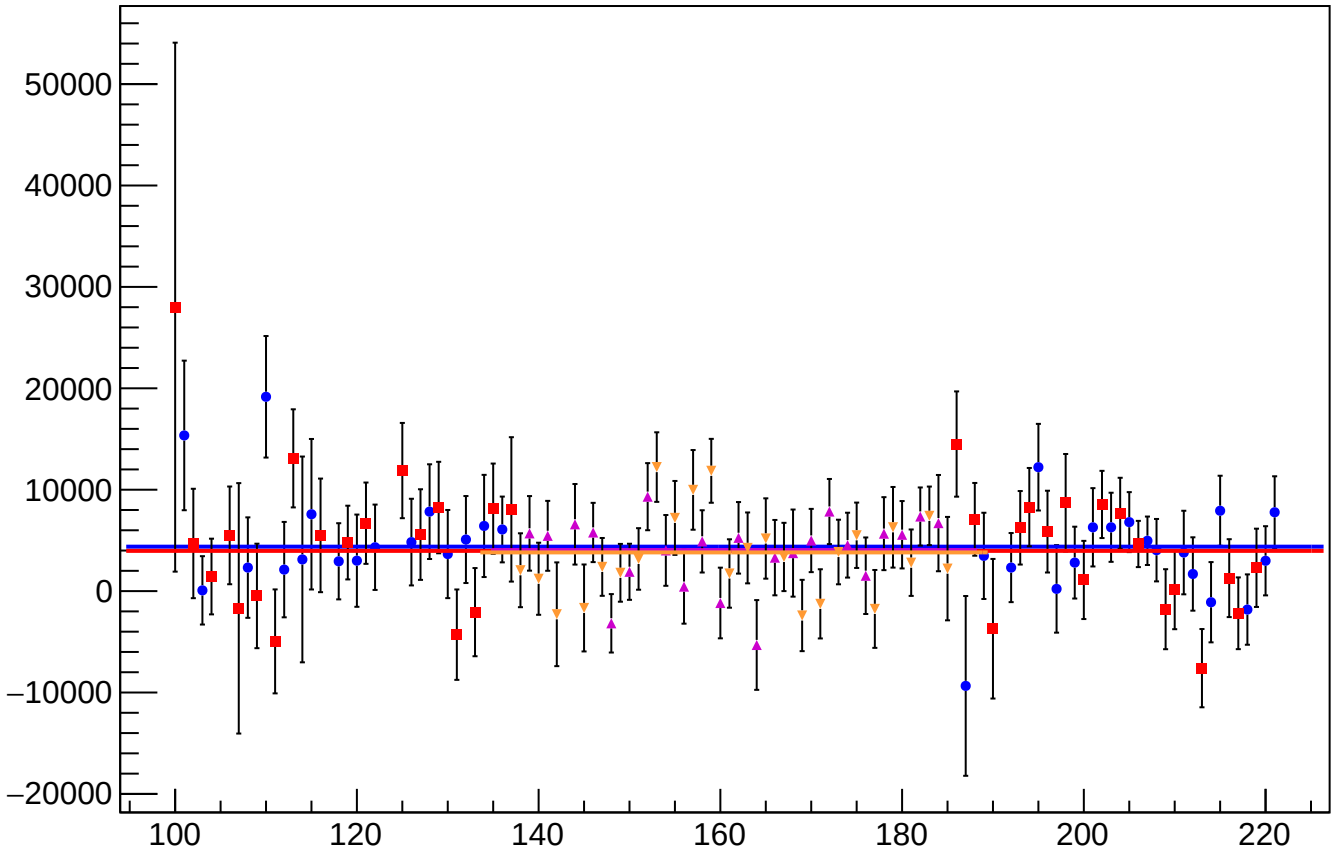
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 932.870+/-0.135 χ^2/NDF: 35603641.0/68

In: 1267.438+/-0.171 χ^2/NDF:23643284.7/56

Out: 1114.948+/-0.160 χ^2/NDF:29428734.8/58

All: 1186.334+/-0.117 χ^2/NDF: 53496120.3/1



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: 3968.165+/-708.588 χ^2/NDF: 48.4/34

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

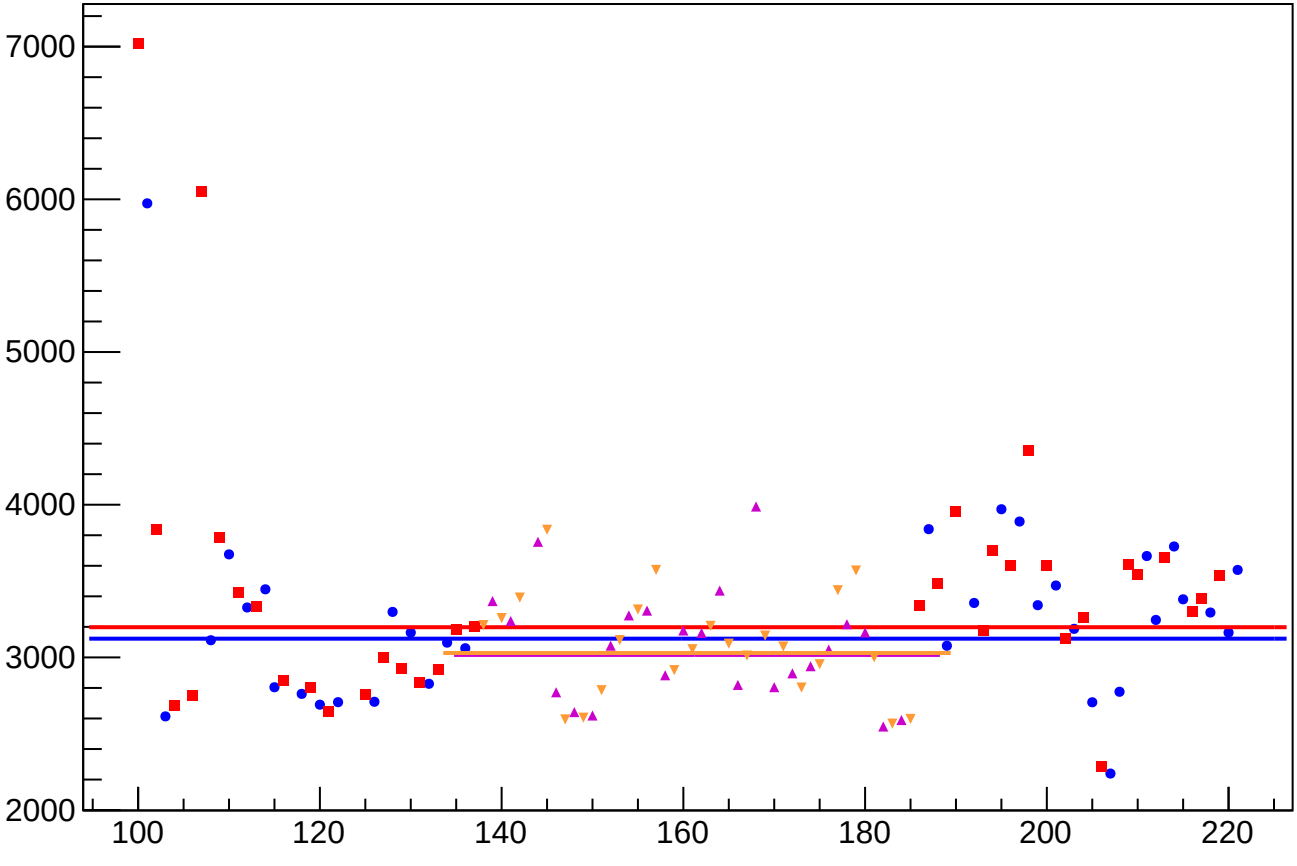
Right: 4185.386+/-489.129 χ^2/NDF: 76.8/68

In: 4221.005+/-489.452 χ^2/NDF:50.9/56

Out: 3892.971+/-500.950 χ^2/NDF:79.3/58

All: 4060.796+/-350.089 χ^2/NDF: 130.4/115

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



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: 3197.769+/-0.501 χ^2/NDF: 1022333.3/34

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

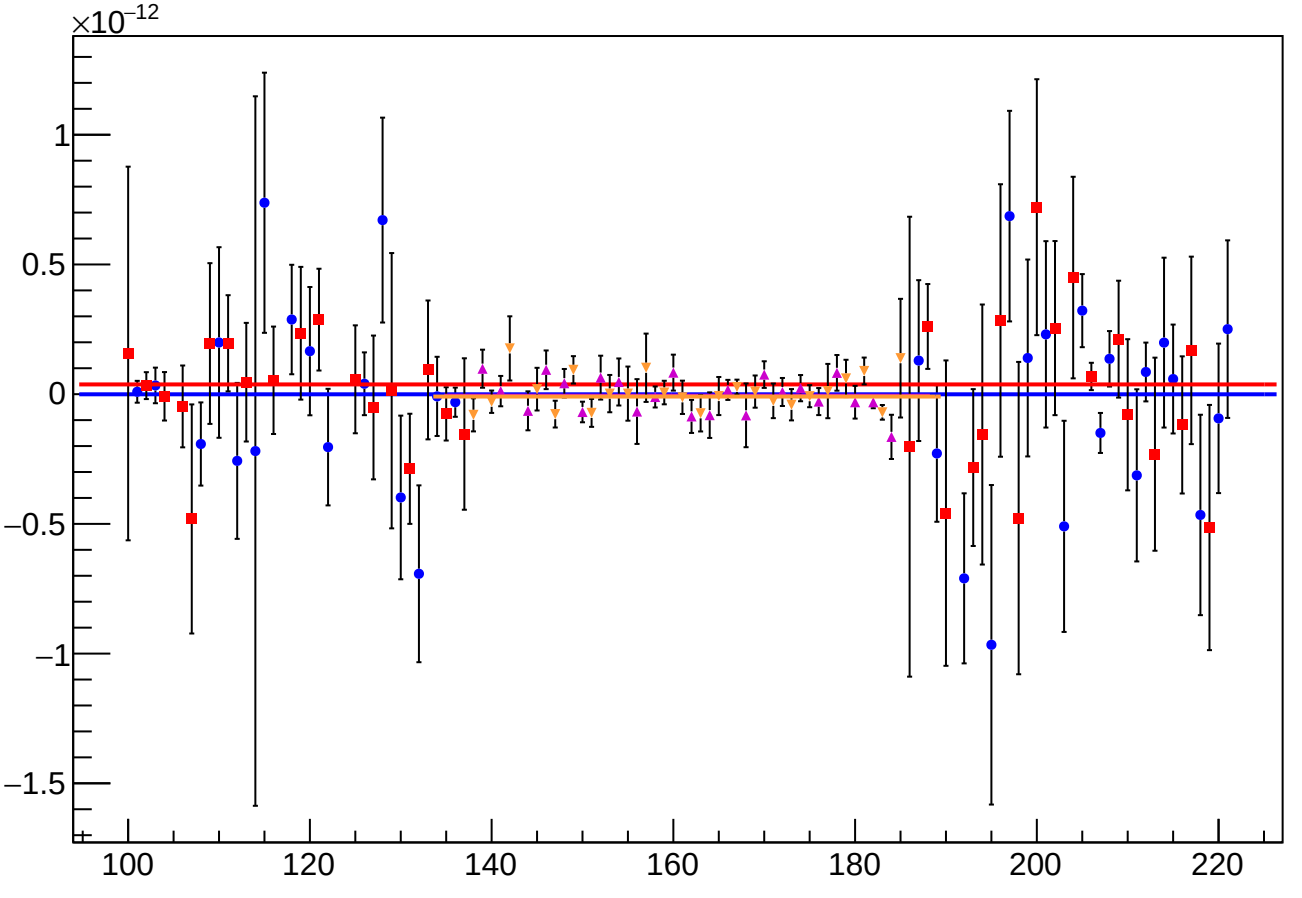
Right: 3158.501+/-0.346 χ^2/NDF: 2152820.9/68

In: 3072.083+/-0.346 χ^2/NDF:1582273.4/56

Out: 3113.343+/-0.354 χ^2/NDF:1476205.9/58

All: 3092.234+/-0.248 χ^2/NDF: 3065420.8/11

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/34

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

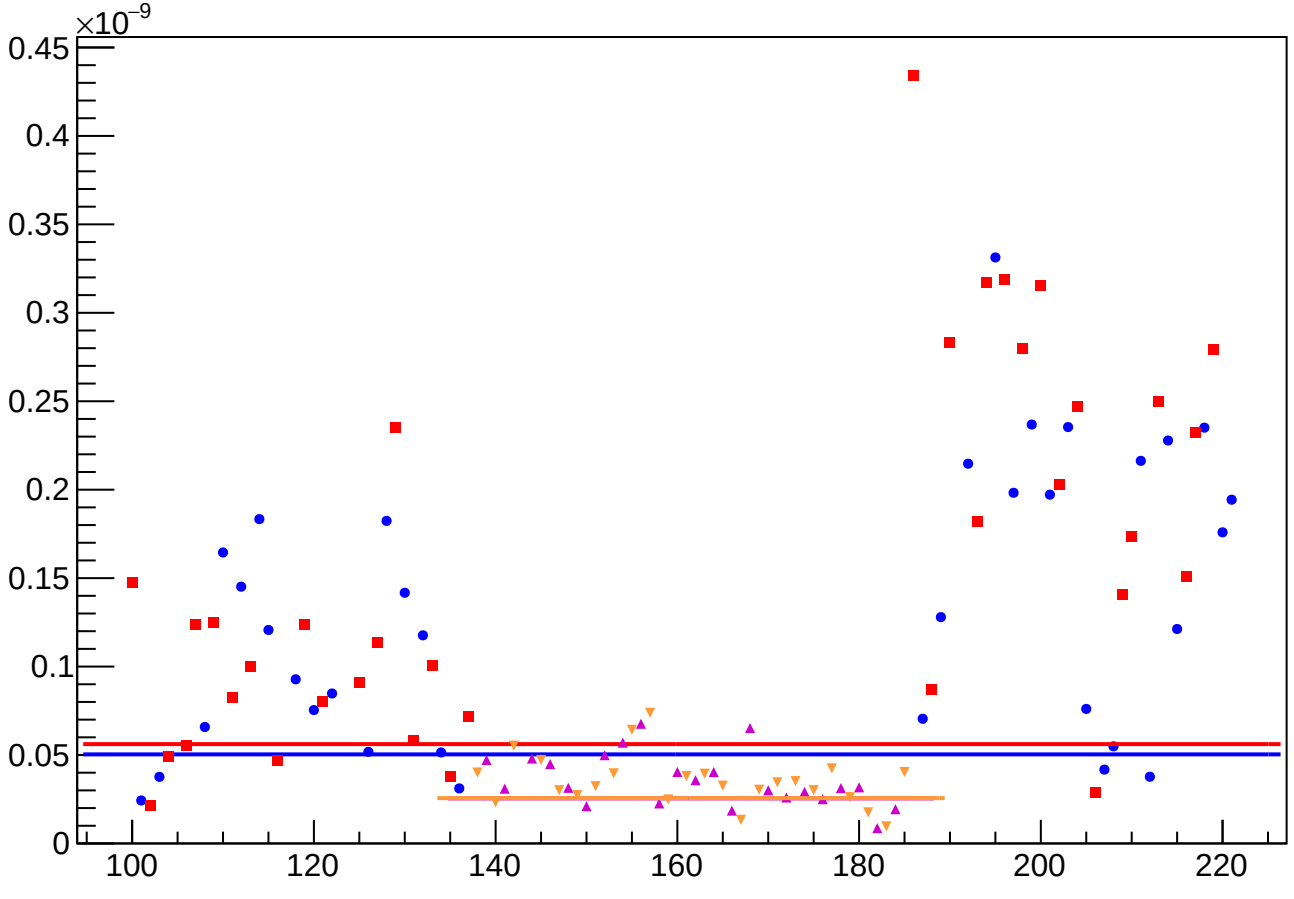
Right: 0.000+/-0.000 χ^2/NDF: 67.0/68

In: -0.000+/-0.000 χ^2/NDF:68.1/56

Out: -0.000+/-0.000 χ^2/NDF:47.8/58

All: -0.000+/-0.000 χ^2/NDF: 115.9/115

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: 8546767.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

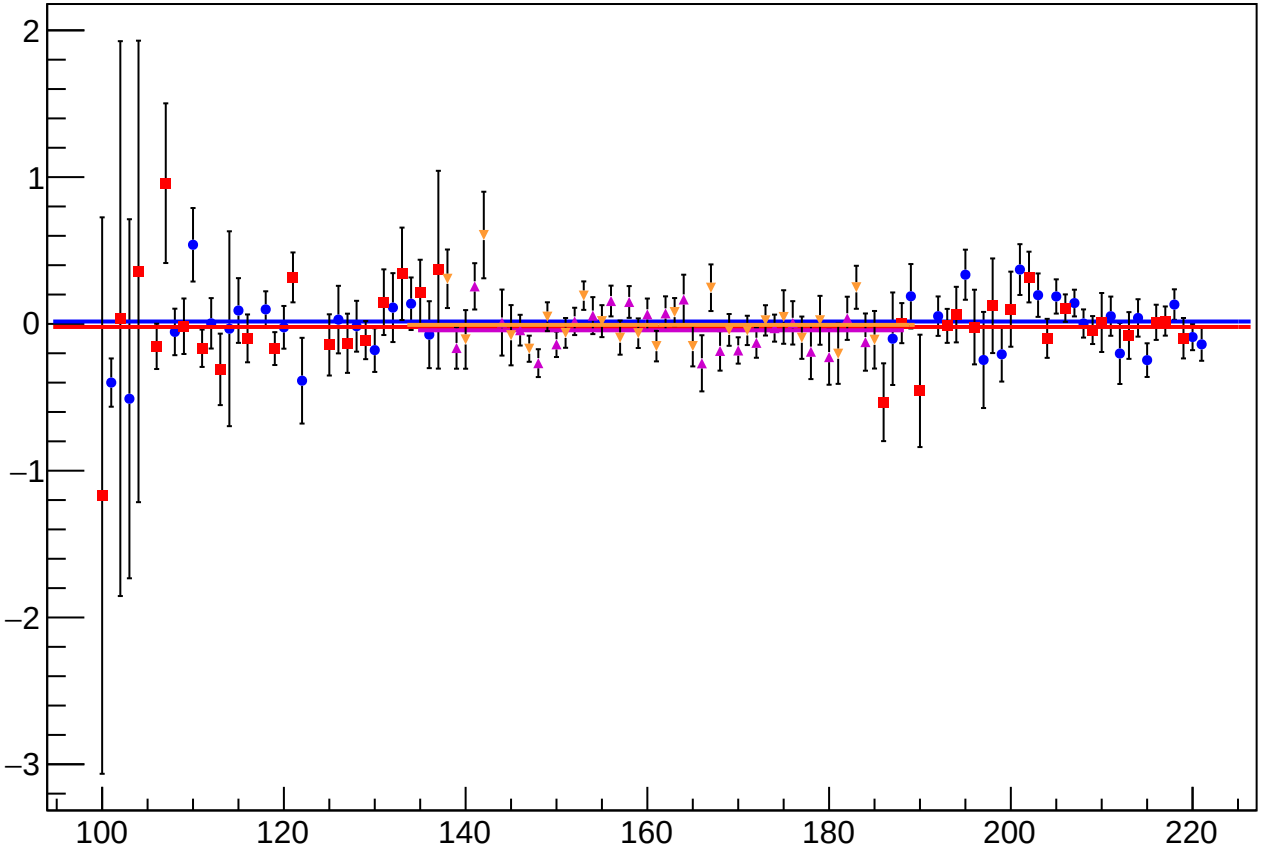
Right: 0.000+/-0.000 χ^2/NDF: 15977425.4/68

In: 0.000+/-0.000 χ^2/NDF:12059255.4/56

Out: 0.000+/-0.000 χ^2/NDF:13137919.0/58

All: 0.000+/-0.000 χ^2/NDF: 25197381.1/115

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: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

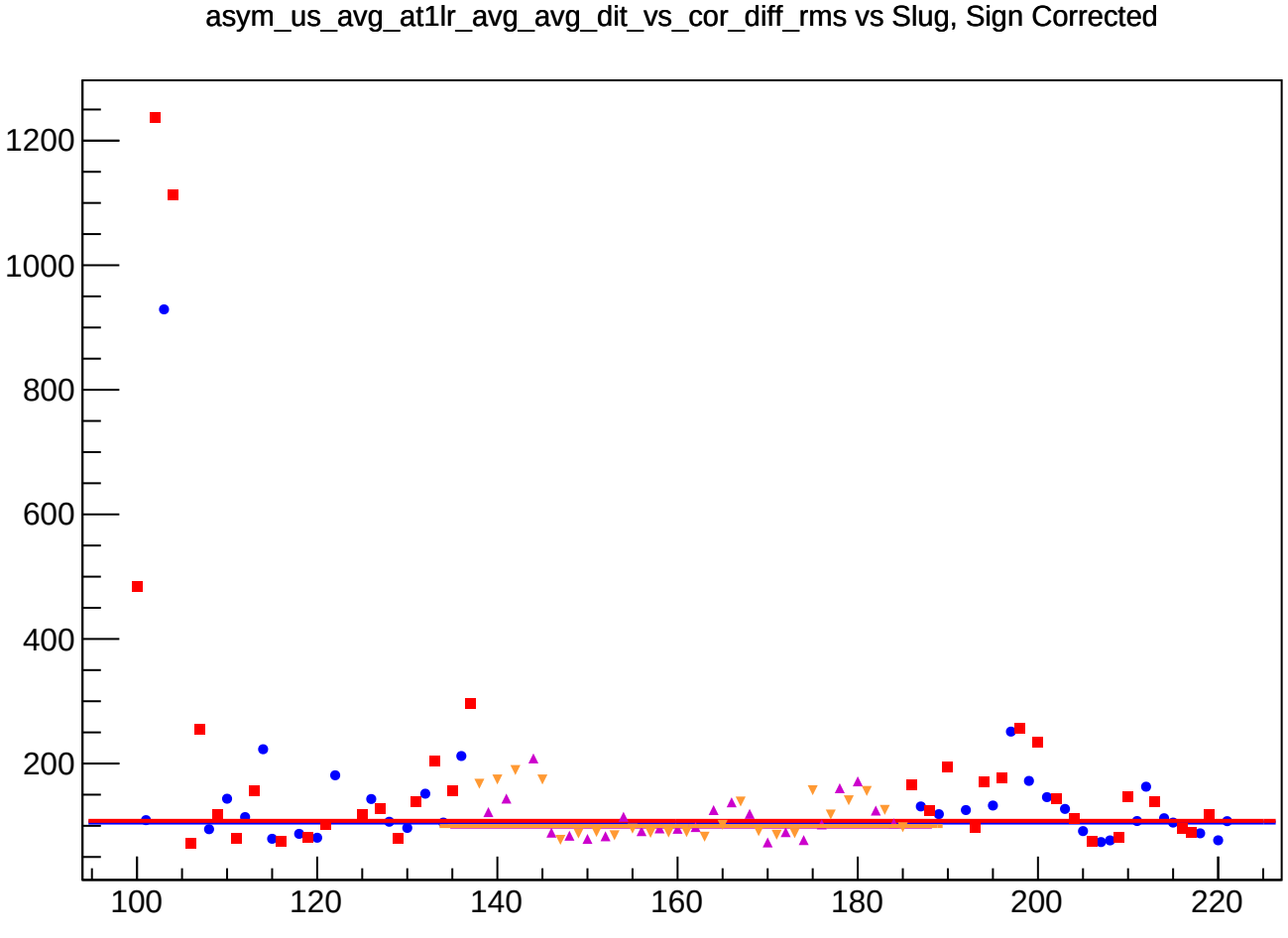
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.001+/-0.019 χ^2/NDF: 74.4/68

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.014+/-0.013 χ^2/NDF: 134.3/115



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: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

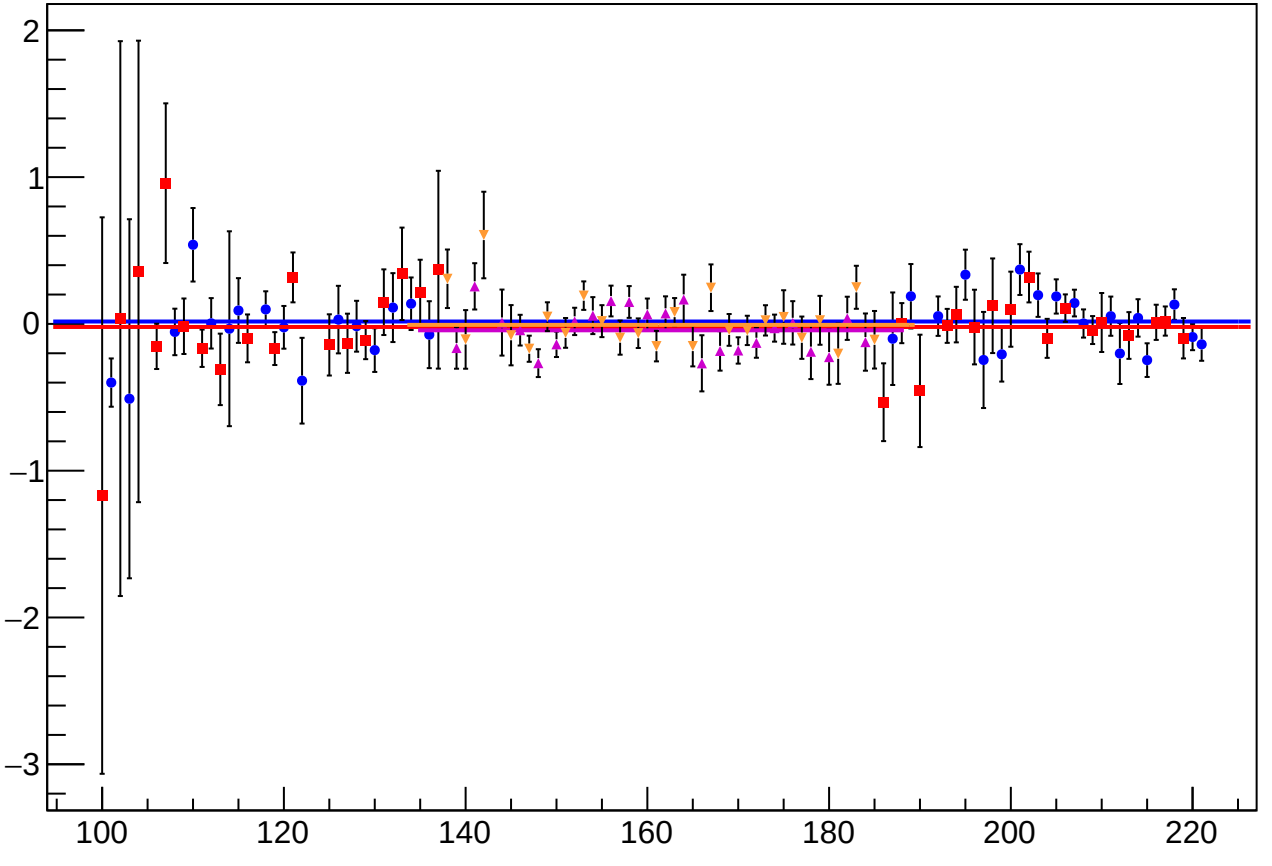
Right: 106.512+/-0.013 χ^2/NDF: 8775680.3/68

In: 101.850+/-0.013 χ^2/NDF:5733466.6/56

Out: 103.387+/-0.013 χ^2/NDF:7272148.1/58

All: 102.587+/-0.009 χ^2/NDF: 13012609.4/1

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: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

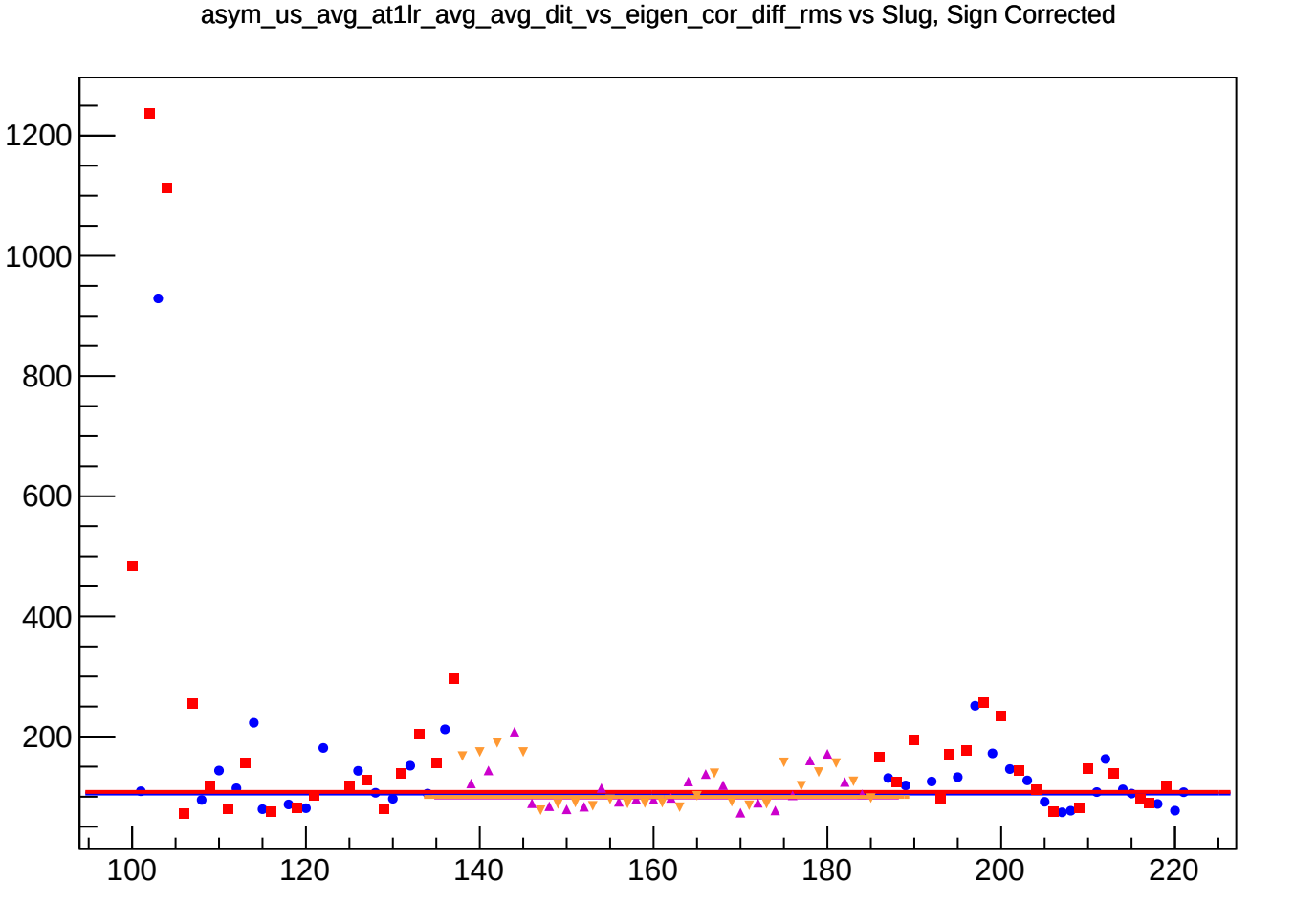
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.001+/-0.019 χ^2/NDF: 74.4/68

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.014+/-0.013 χ^2/NDF: 134.3/115



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: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

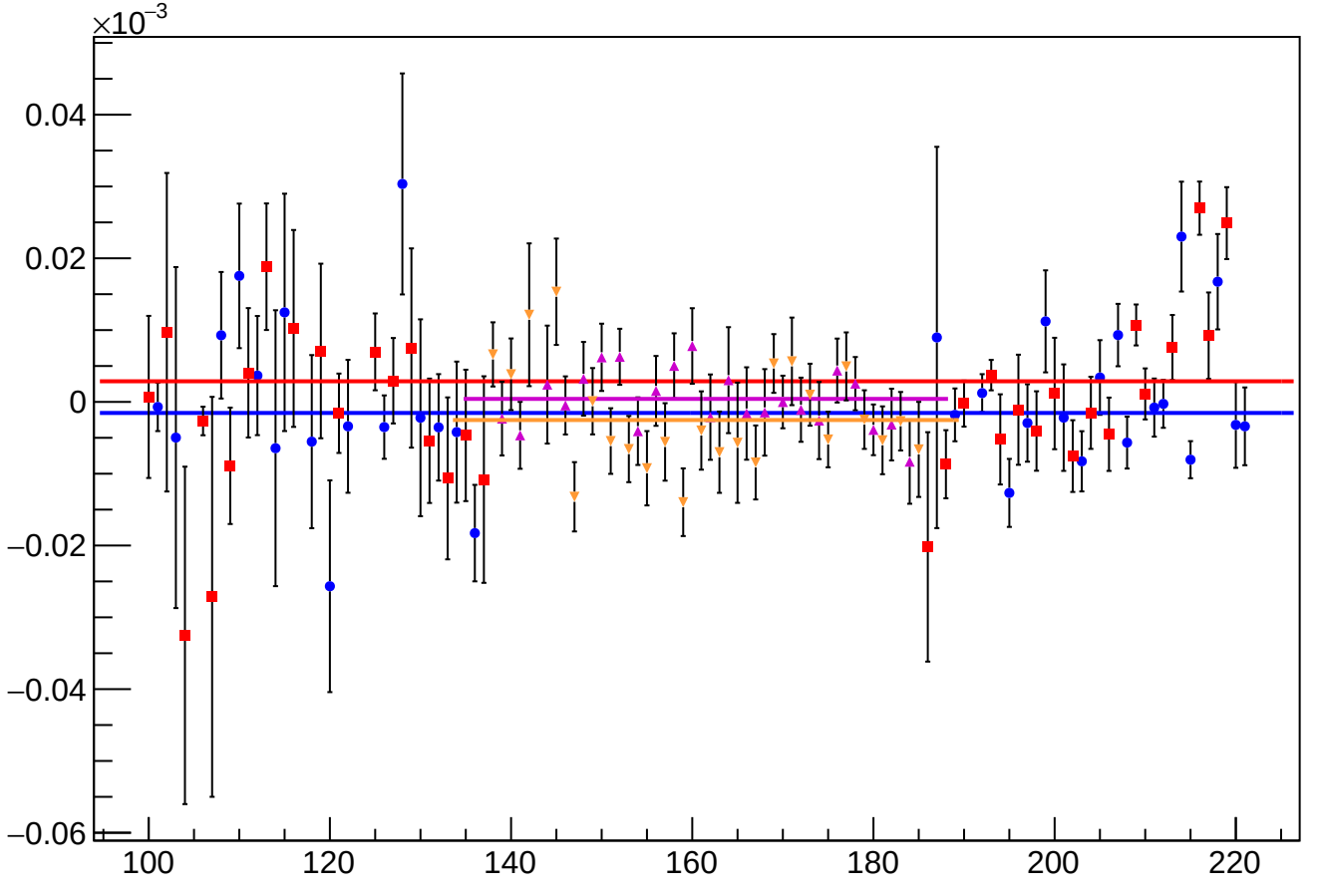
Right: 106.512+/-0.013 χ^2/NDF: 8775680.3/68

In: 101.850+/-0.013 χ^2/NDF:5733466.6/56

Out: 103.387+/-0.013 χ^2/NDF:7272148.1/58

All: 102.587+/-0.009 χ^2/NDF: 13012609.4/11

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 113.9/34

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

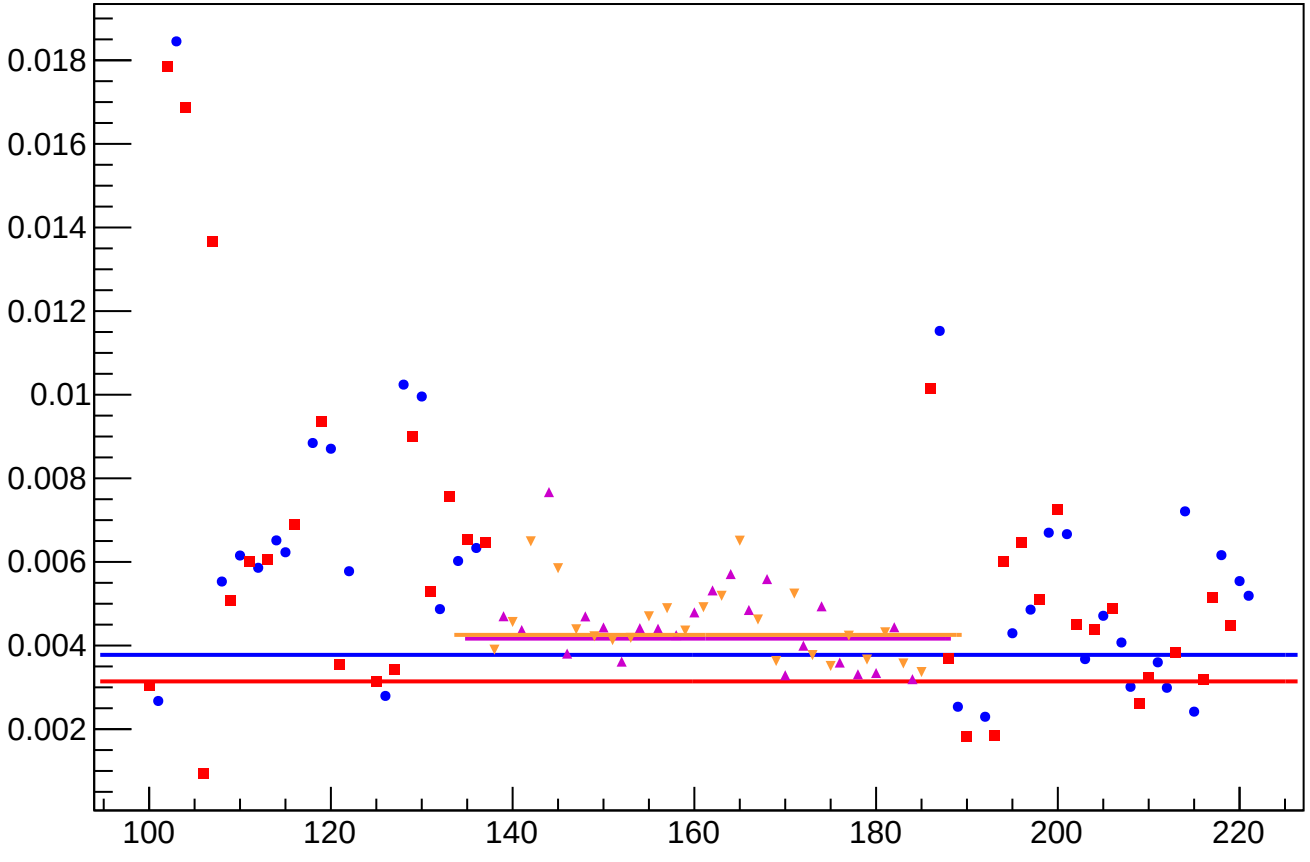
Right: 0.000+/-0.000 χ^2/NDF: 192.6/68

In: -0.000+/-0.000 χ^2/NDF:83.8/56

Out: 0.000+/-0.000 χ^2/NDF:171.0/58

All: 0.000+/-0.000 χ^2/NDF: 256.8/115

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: 10784398.7/34

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

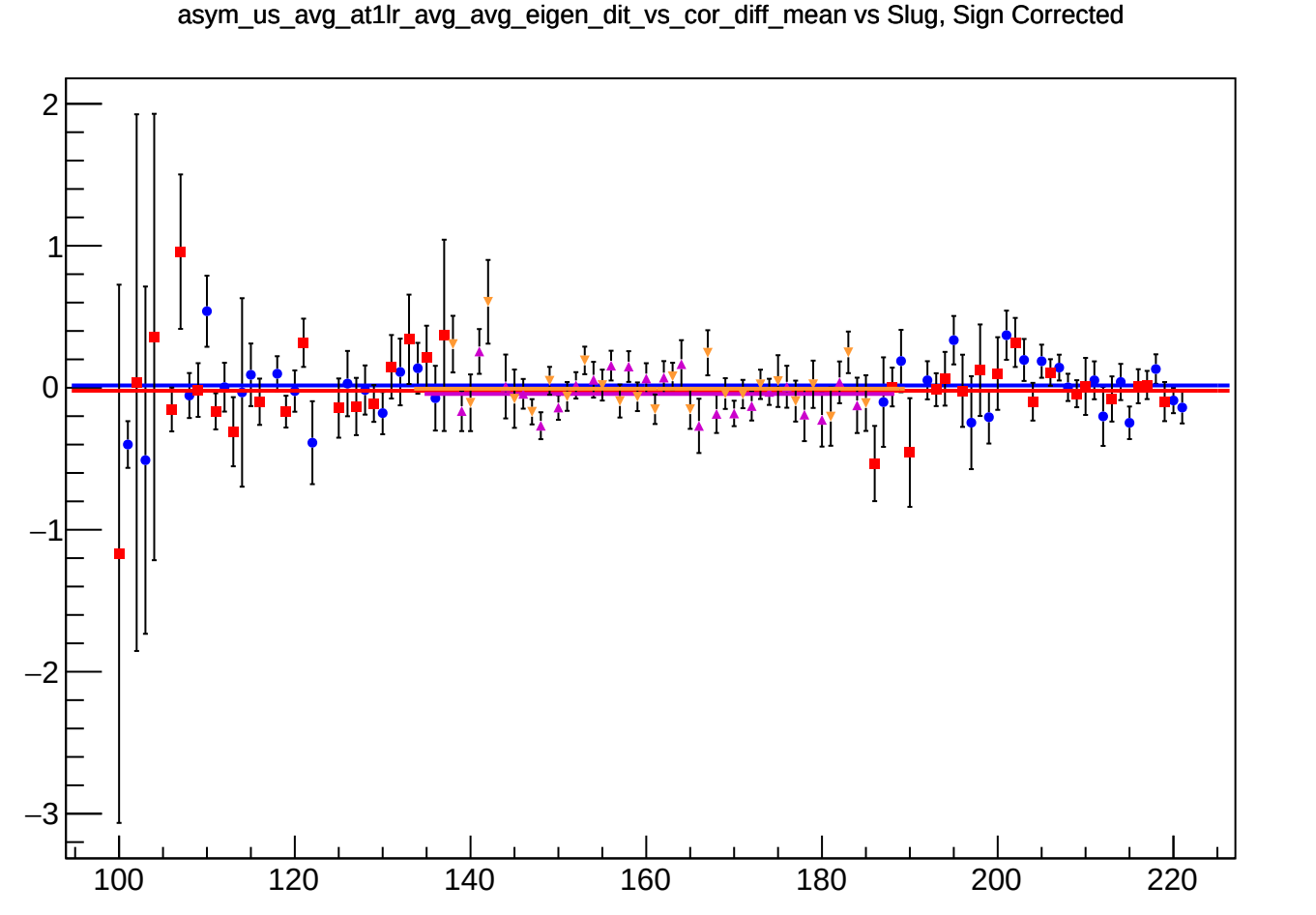
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.003+/-0.000 χ^2/NDF: 18243000.9/68

In: 0.004+/-0.000 χ^2/NDF:8371401.1/56

Out: 0.004+/-0.000 χ^2/NDF:13054075.5/58

All: 0.004+/-0.000 χ^2/NDF: 21722808.2/115



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: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

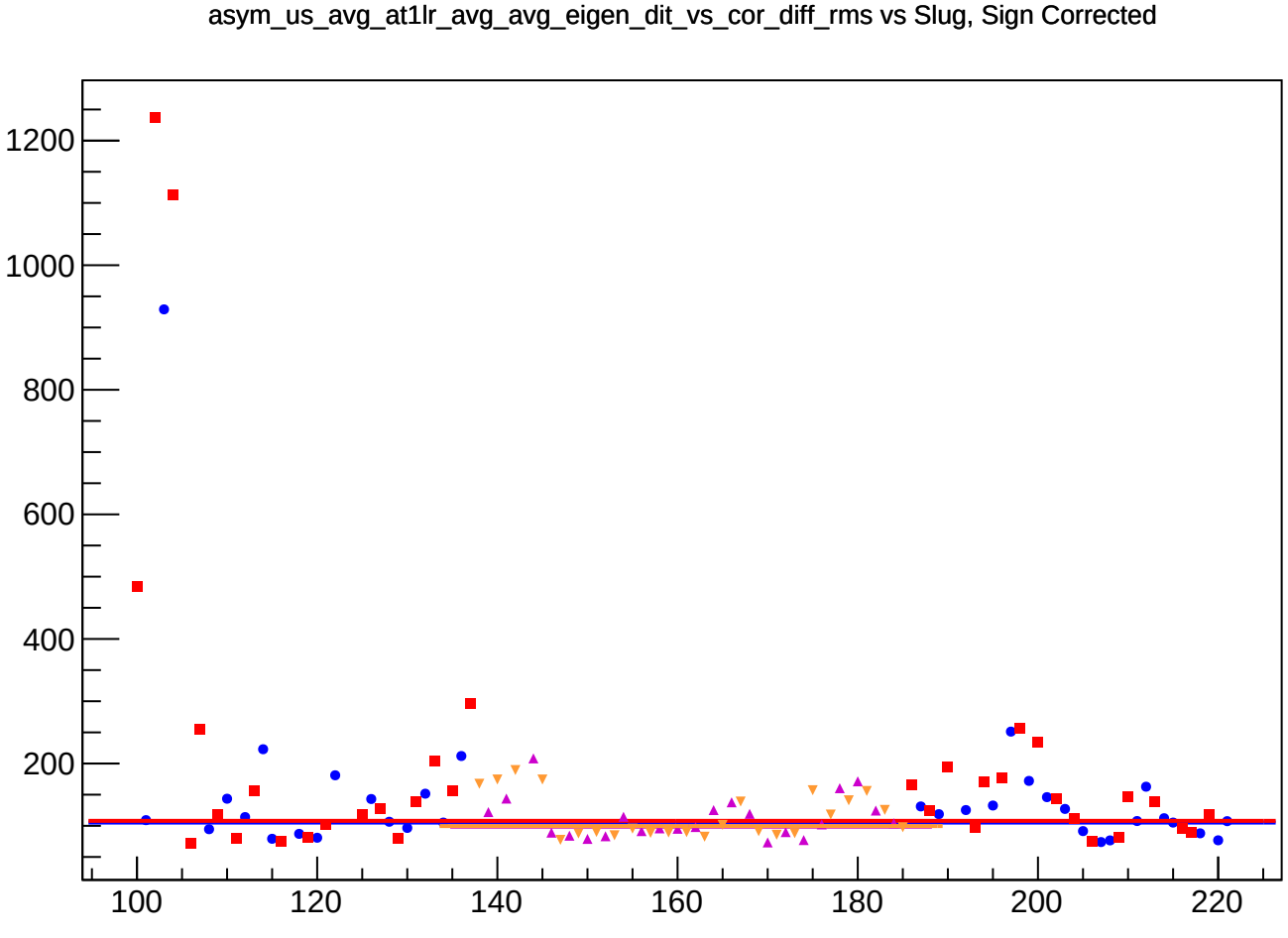
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.001+/-0.019 χ^2/NDF: 74.4/68

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.014+/-0.013 χ^2/NDF: 134.3/115



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: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

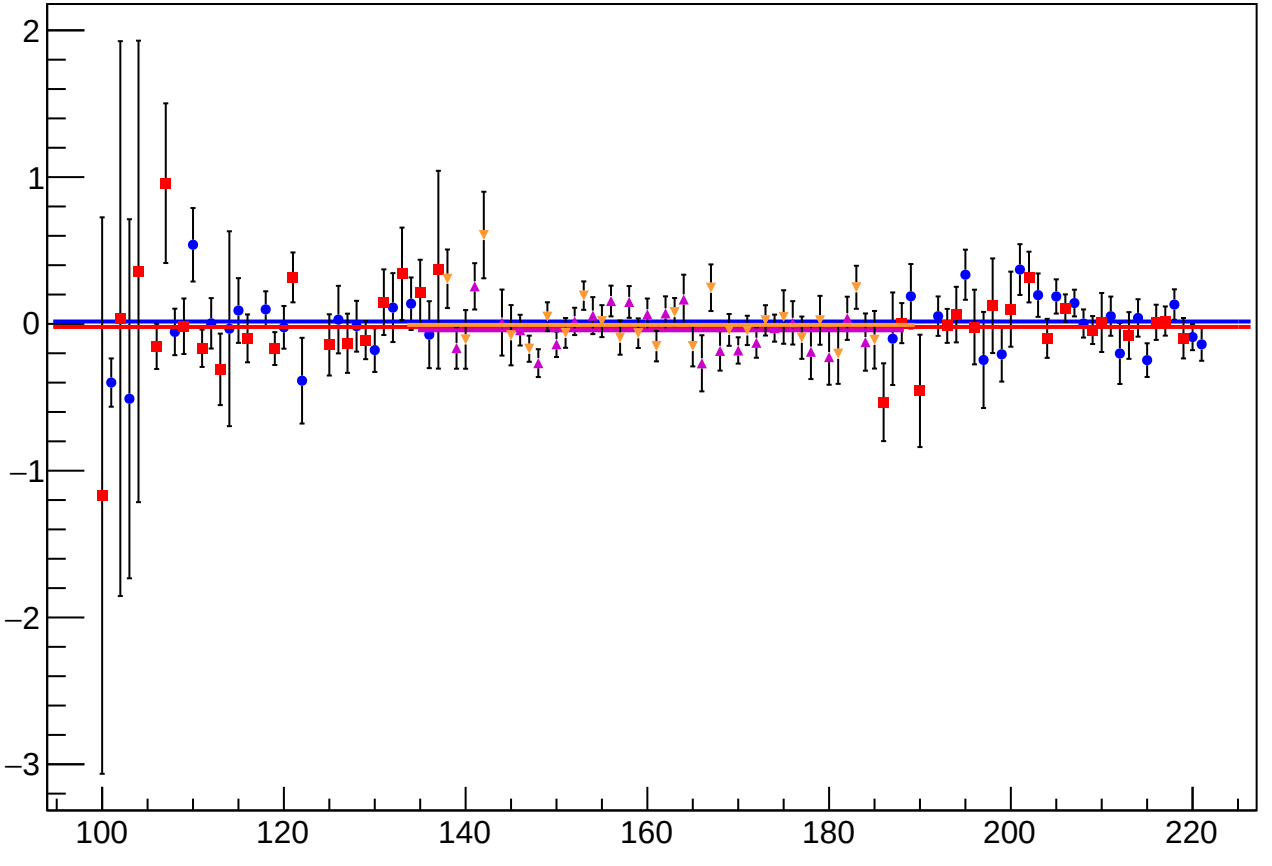
Right: 106.512+/-0.013 χ^2/NDF: 8775585.6/68

In: 101.850+/-0.013 χ^2/NDF:5733353.5/56

Out: 103.387+/-0.013 χ^2/NDF:7272069.1/58

All: 102.587+/-0.009 χ^2/NDF: 13012418.1/11

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: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

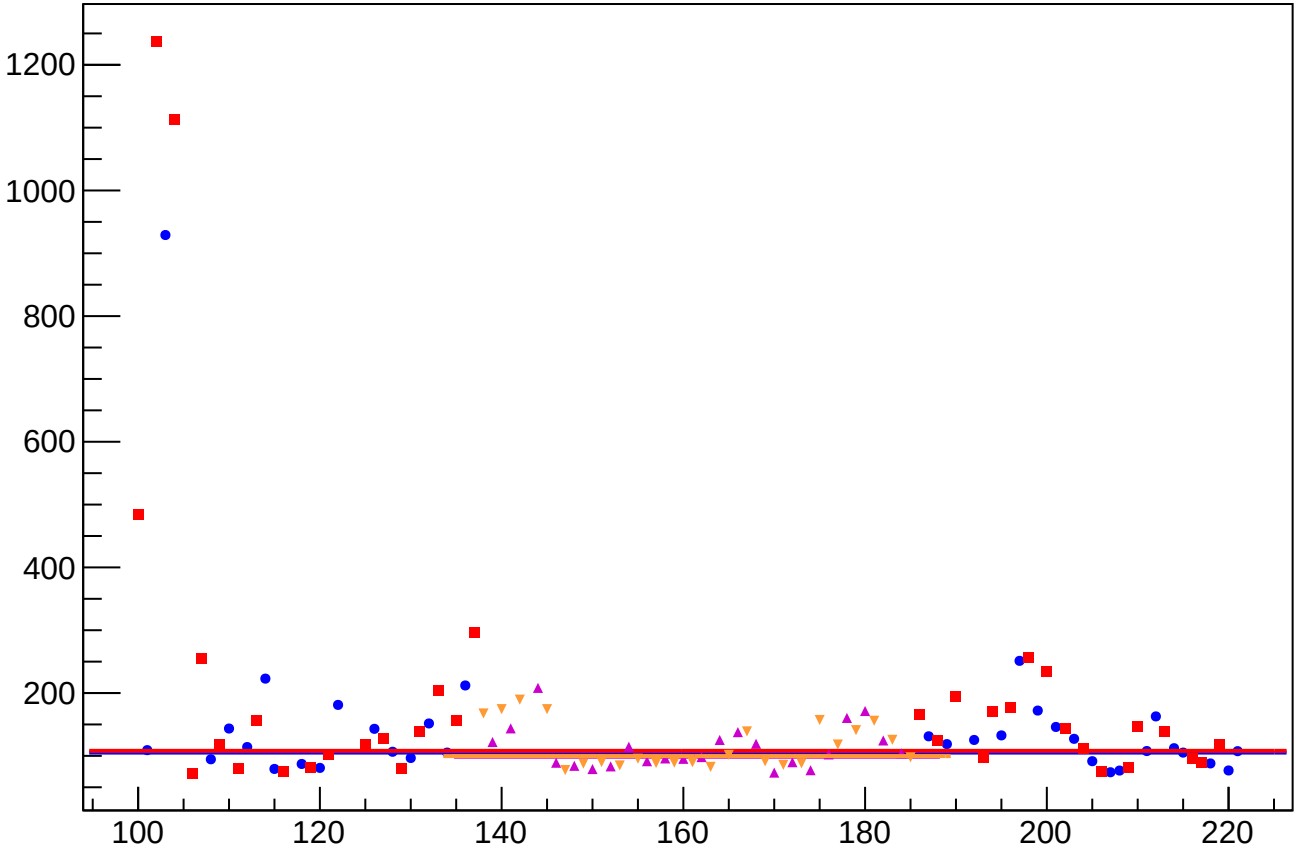
Right: -0.001+/-0.019 χ^2/NDF: 74.4/68

In: -0.015+/-0.018 χ^2/NDF:76.4/56

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.014+/-0.013 χ^2/NDF: 134.3/115

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: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

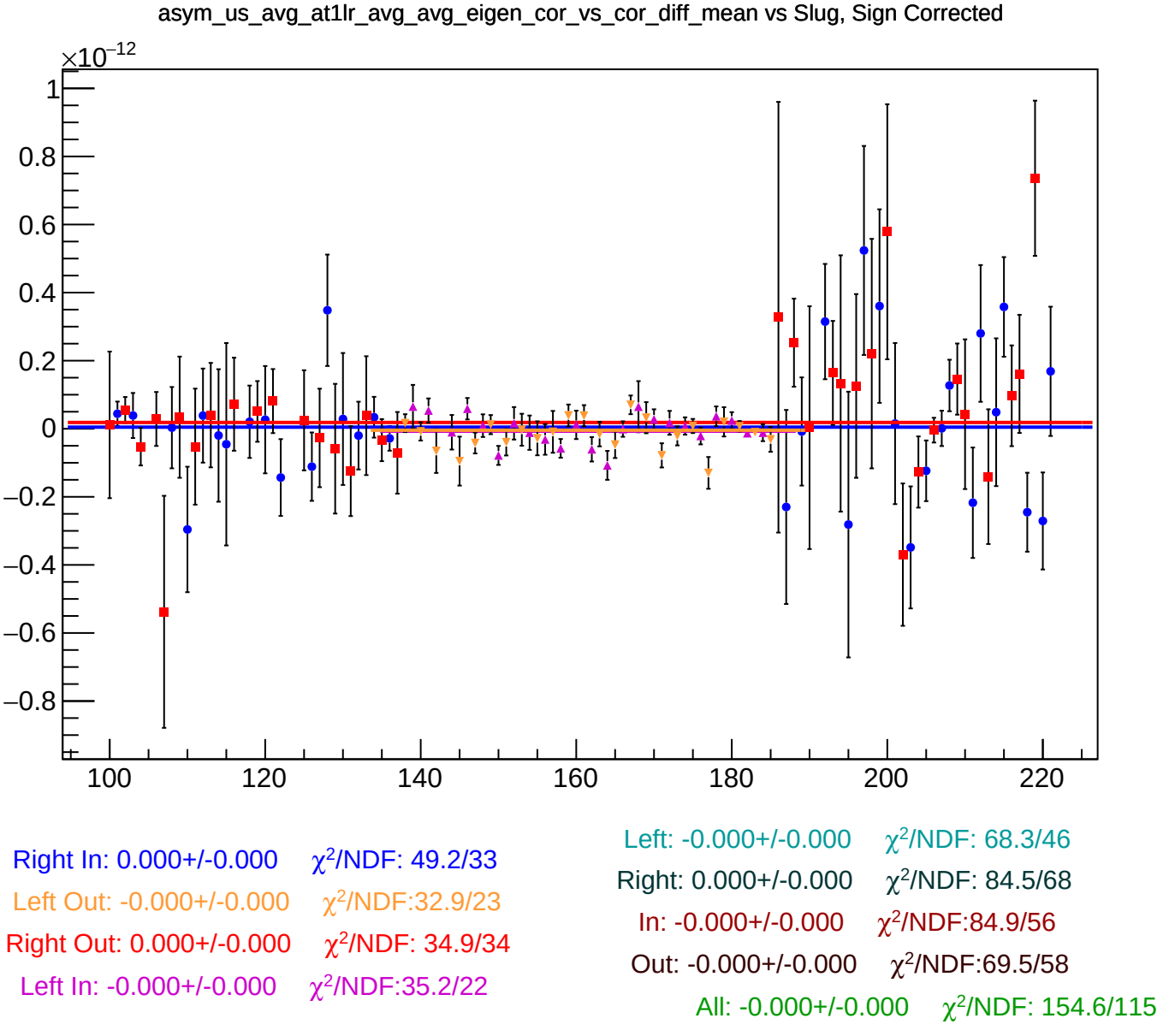
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

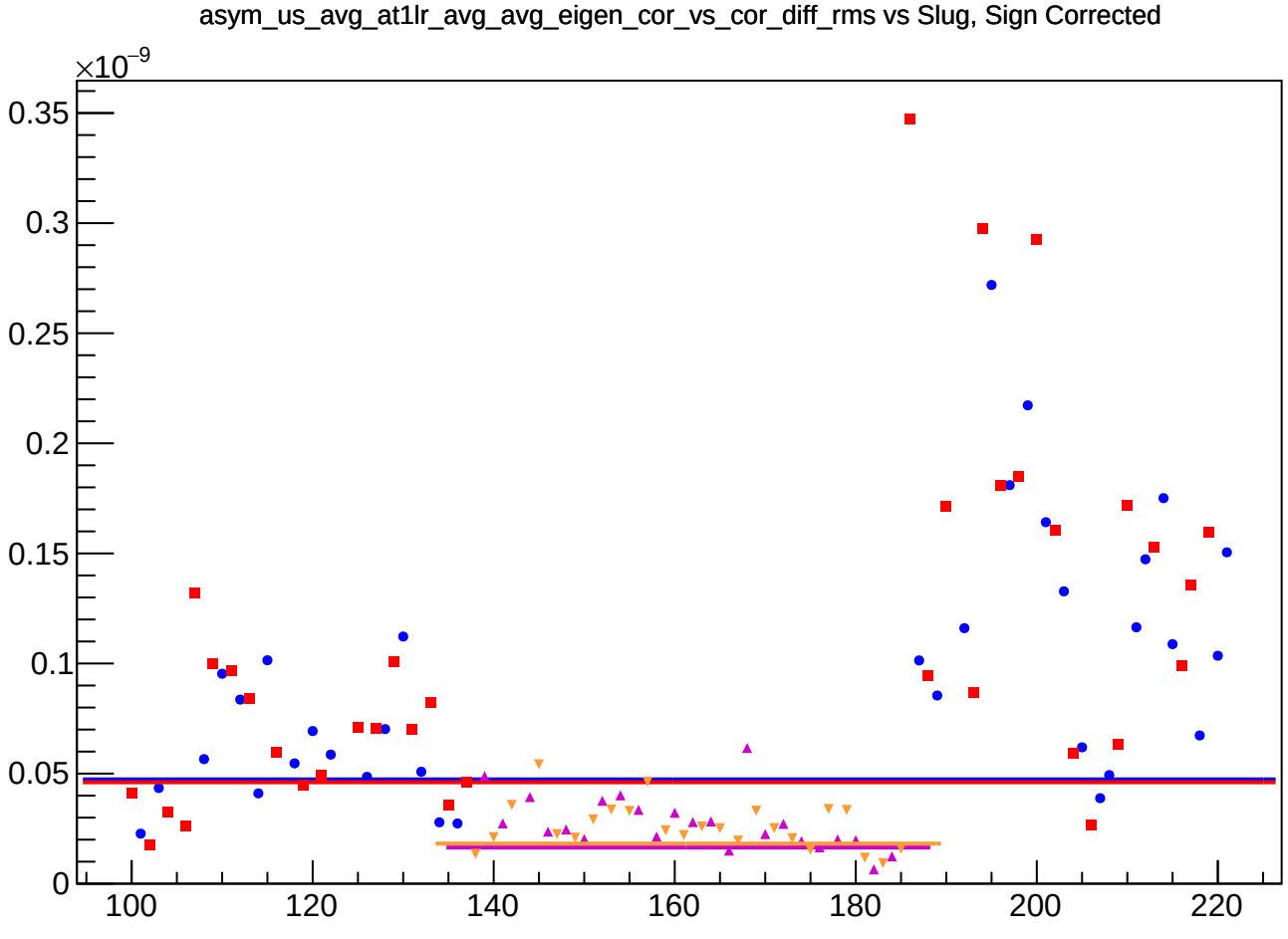
Right: 106.512+/-0.013 χ^2/NDF: 8775585.6/68

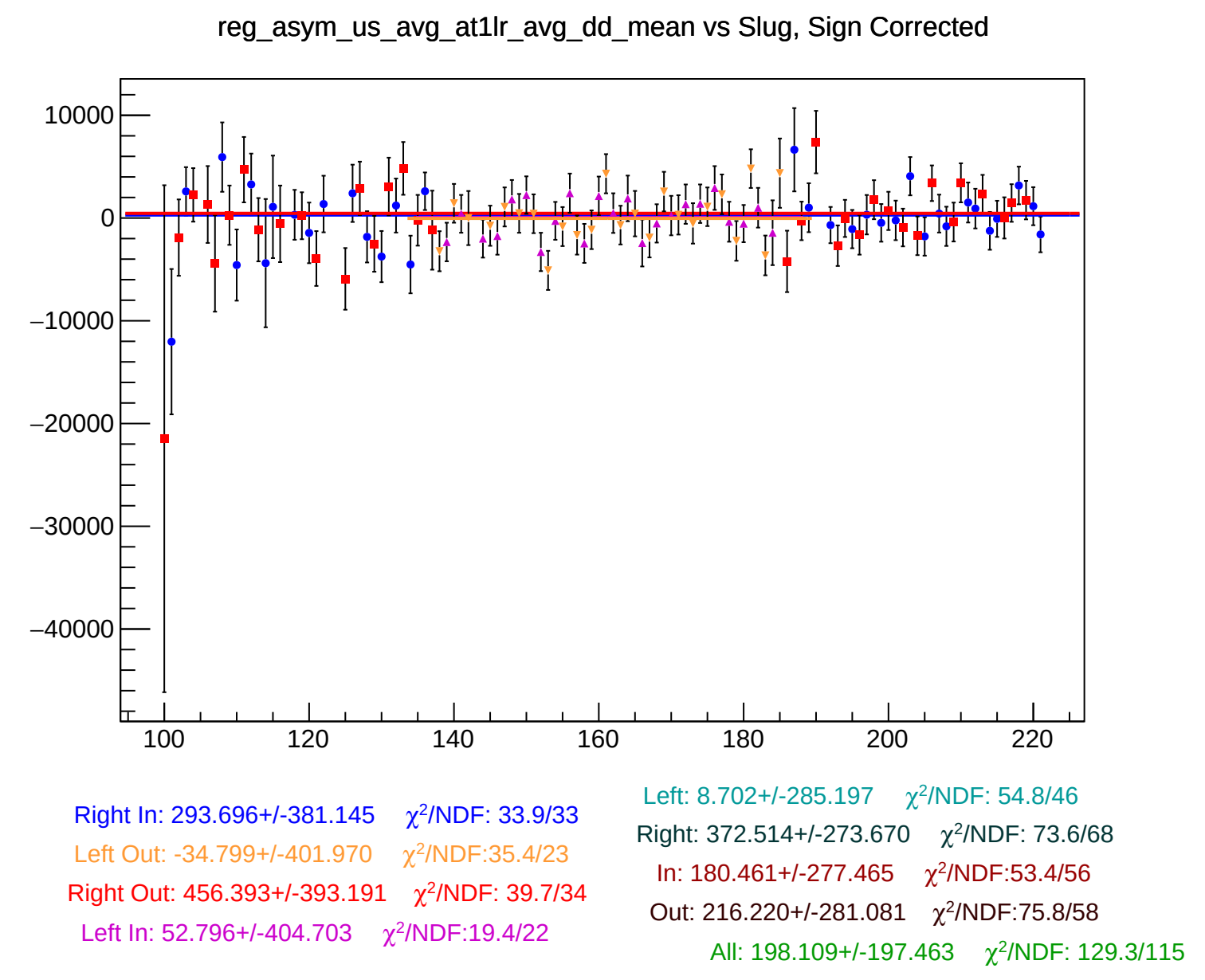
In: 101.850+/-0.013 χ^2/NDF:5733353.5/56

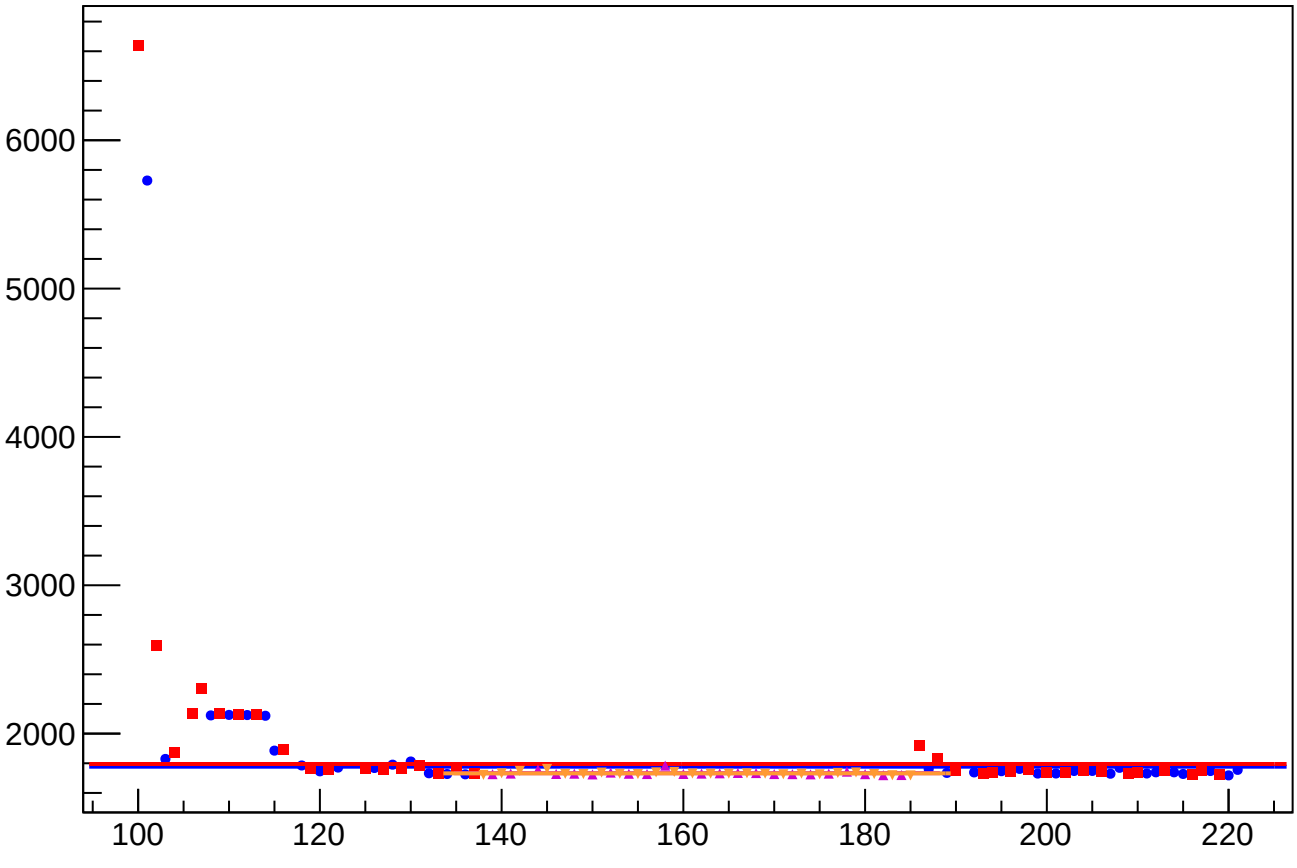
Out: 103.387+/-0.013 χ^2/NDF:7272069.1/58

All: 102.587+/-0.009 χ^2/NDF: 13012418.1/11


asym_us_avg_at1lr_avg_avg_eigen_cor_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: 49.2/33
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.9/34
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 84.5/68
In: -0.000+/-0.000 χ²/NDF:84.9/56
Out: -0.000+/-0.000 χ²/NDF:69.5/58
All: -0.000+/-0.000 χ²/NDF: 154.6/115


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: 9952500.3/34
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: 18613118.6/68
In: 0.000+/-0.000 χ²/NDF:22260855.7/56
Out: 0.000+/-0.000 χ²/NDF:18994484.6/58
All: 0.000+/-0.000 χ²/NDF: 41334546.1/115


reg_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: 293.696+/-381.145 χ²/NDF: 33.9/33
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: 456.393+/-393.191 χ²/NDF: 39.7/34
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 372.514+/-273.670 χ²/NDF: 73.6/68
In: 180.461+/-277.465 χ²/NDF:53.4/56
Out: 216.220+/-281.081 χ²/NDF:75.8/58
All: 198.109+/-197.463 χ²/NDF: 129.3/115



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: 1795.108+/-0.278 χ^2/NDF: 319975.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

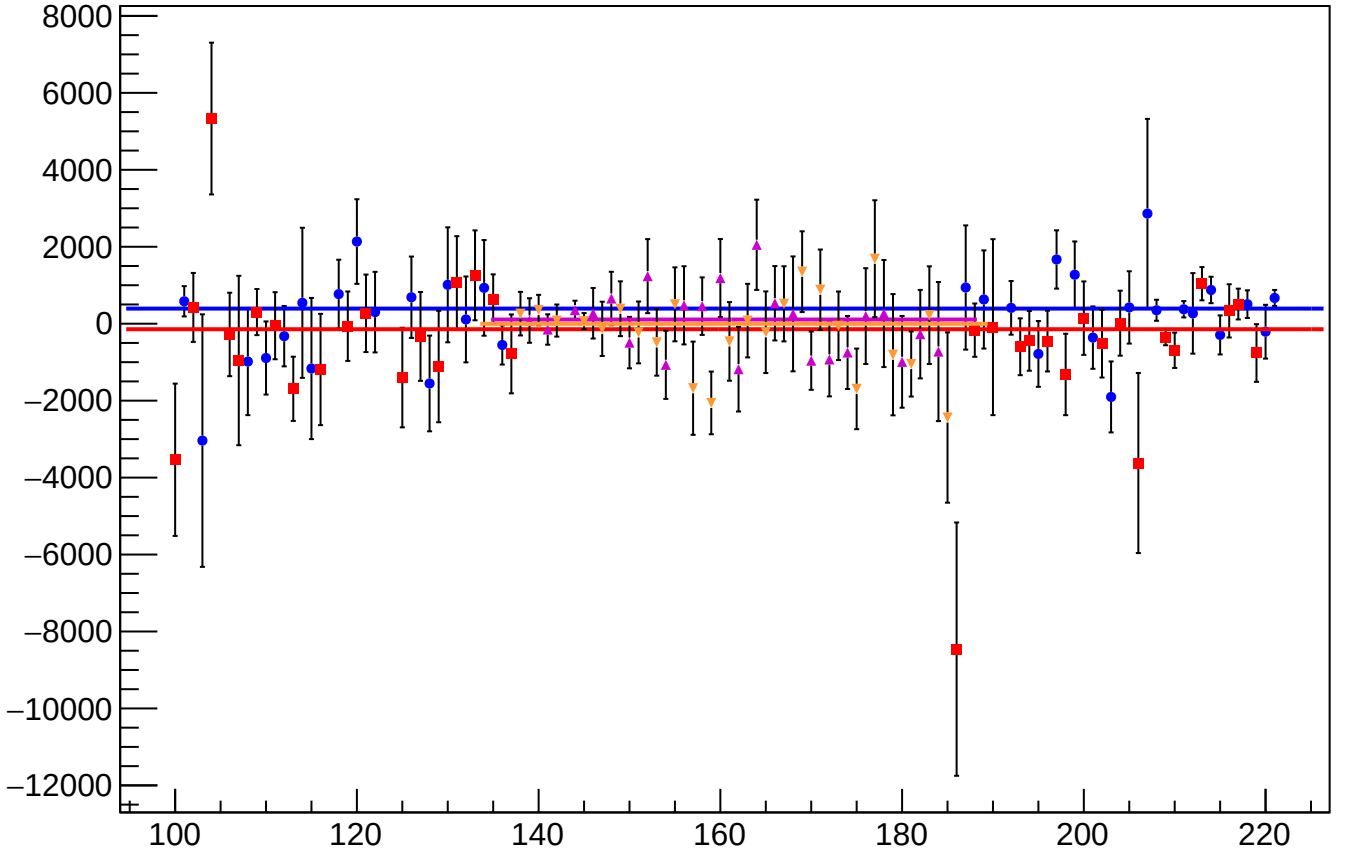
Right: 1785.820+/-0.194 χ^2/NDF: 1039808.7/68

In: 1756.514+/-0.196 χ^2/NDF:732299.9/56

Out: 1764.244+/-0.199 χ^2/NDF:346116.8/58

All: 1760.329+/-0.140 χ^2/NDF: 1079182.7/11

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 392.648+/-93.703 χ^2/NDF: 35.2/33

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -143.447+/-115.645 χ^2/NDF: 46.3/34

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

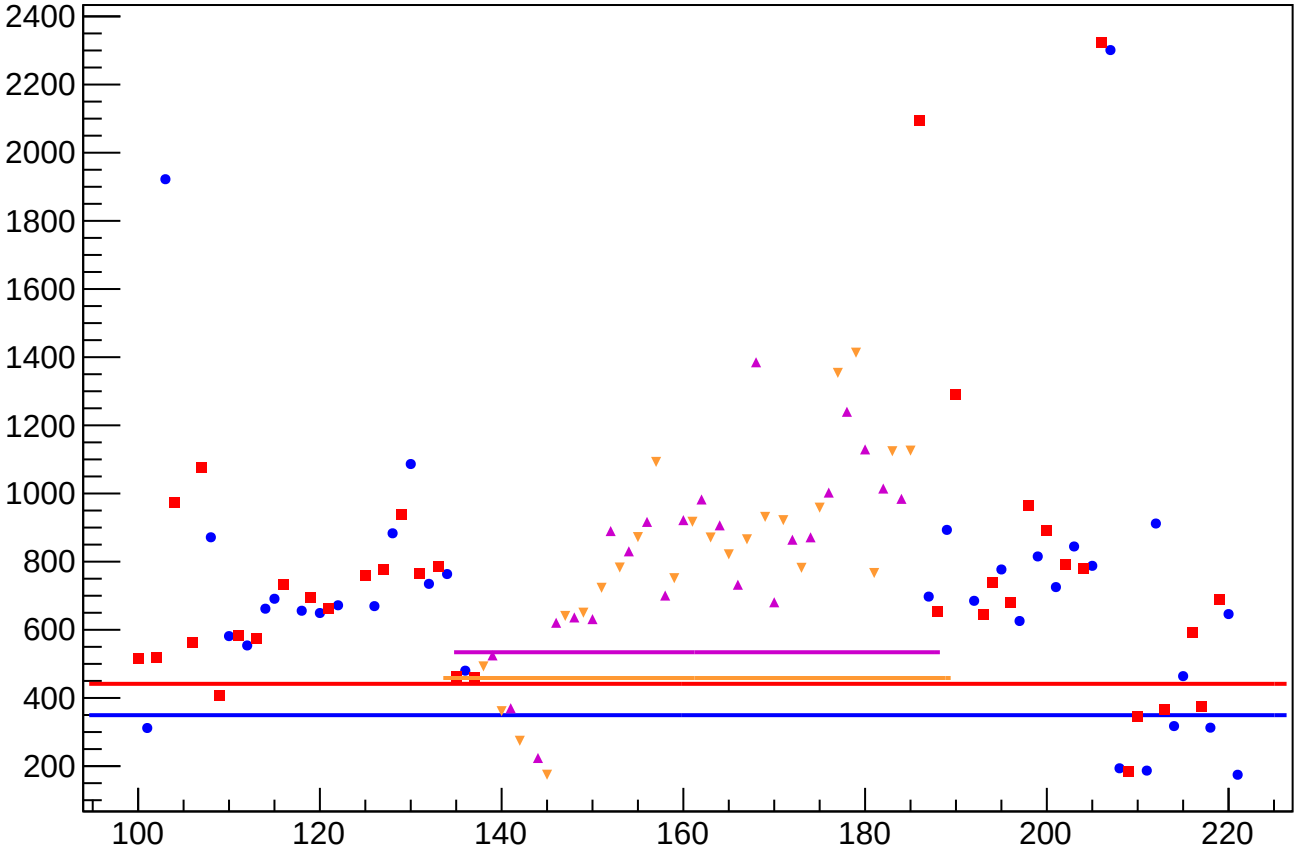
Right: 180.180+/-72.804 χ^2/NDF: 94.5/68

In: 307.520+/-78.427 χ^2/NDF:55.0/56

Out: -81.168+/-86.420 χ^2/NDF:67.2/58

All: 131.978+/-58.077 χ^2/NDF: 133.3/115

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: 441.474+/-0.082 χ^2/NDF: 9917680.0/34

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

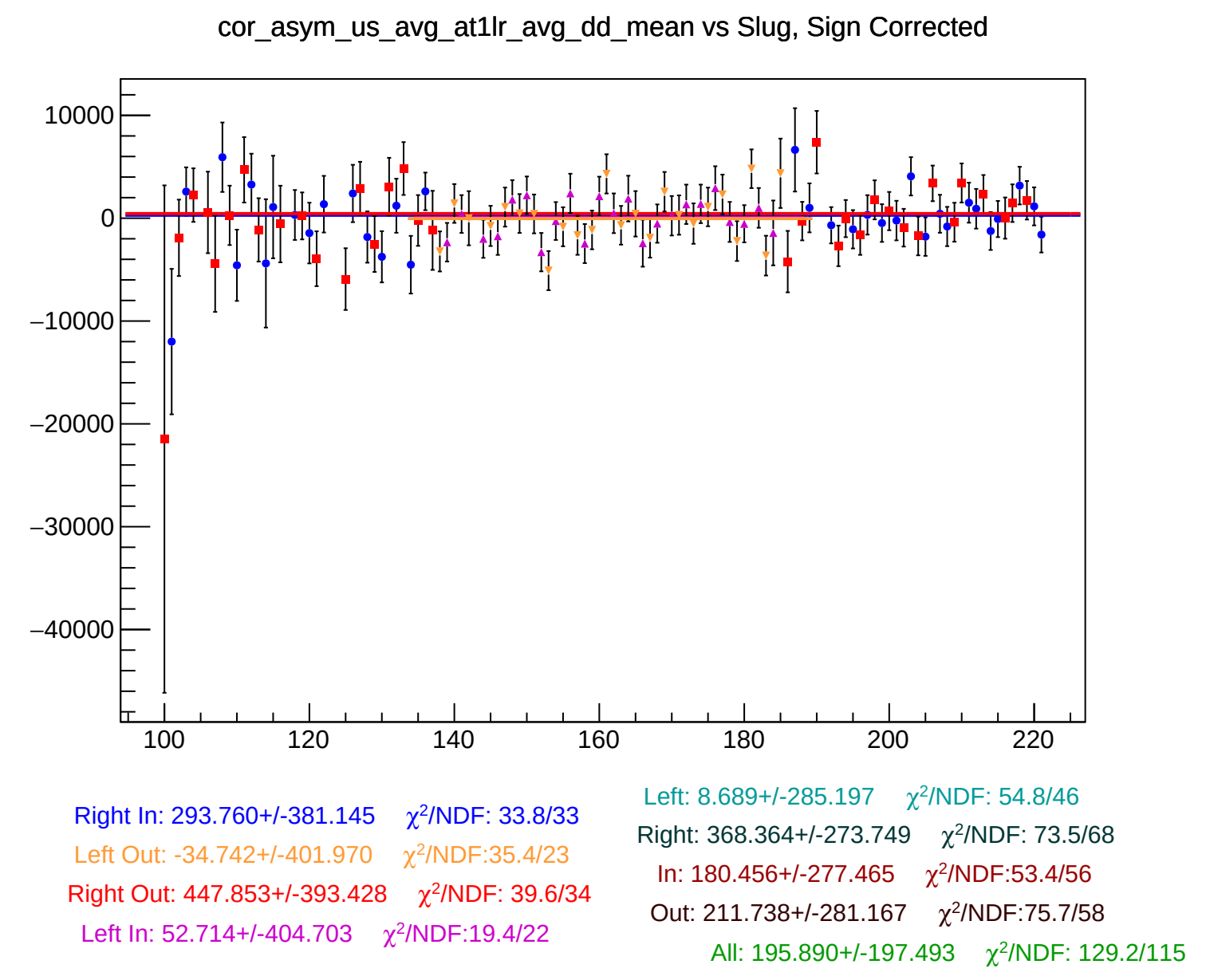
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

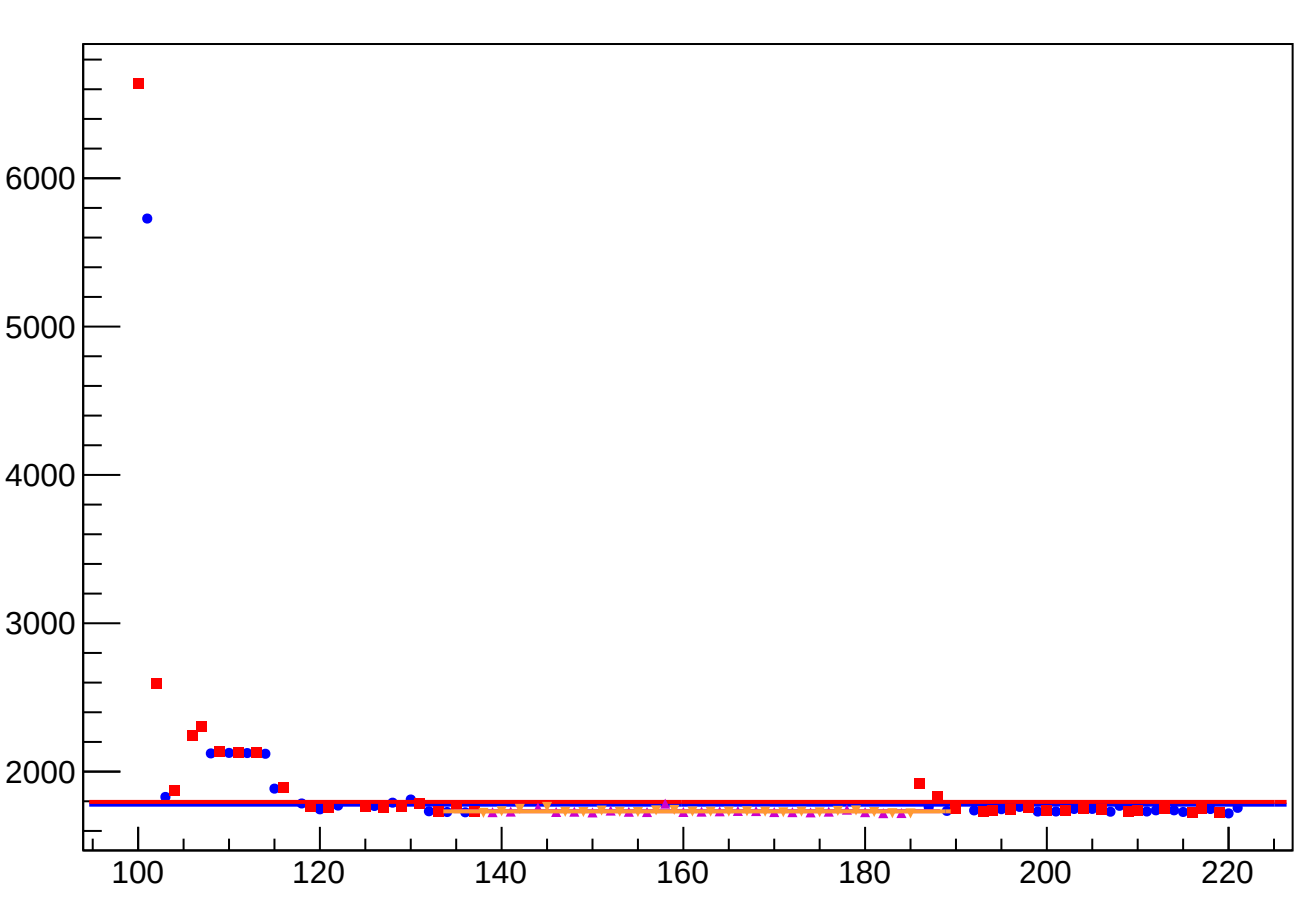
Right: 385.952+/-0.051 χ^2/NDF: 23298989.7/68

In: 404.801+/-0.055 χ^2/NDF:23386999.0/56

Out: 449.027+/-0.061 χ^2/NDF:21363733.9/58

All: 424.775+/-0.041 χ^2/NDF: 45037972.3/11


cor_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: 293.760+/-381.145 χ²/NDF: 33.8/33
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 447.853+/-393.428 χ²/NDF: 39.6/34
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 368.364+/-273.749 χ²/NDF: 73.5/68
In: 180.456+/-277.465 χ²/NDF:53.4/56
Out: 211.738+/-281.167 χ²/NDF:75.7/58
All: 195.890+/-197.493 χ²/NDF: 129.2/115



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: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

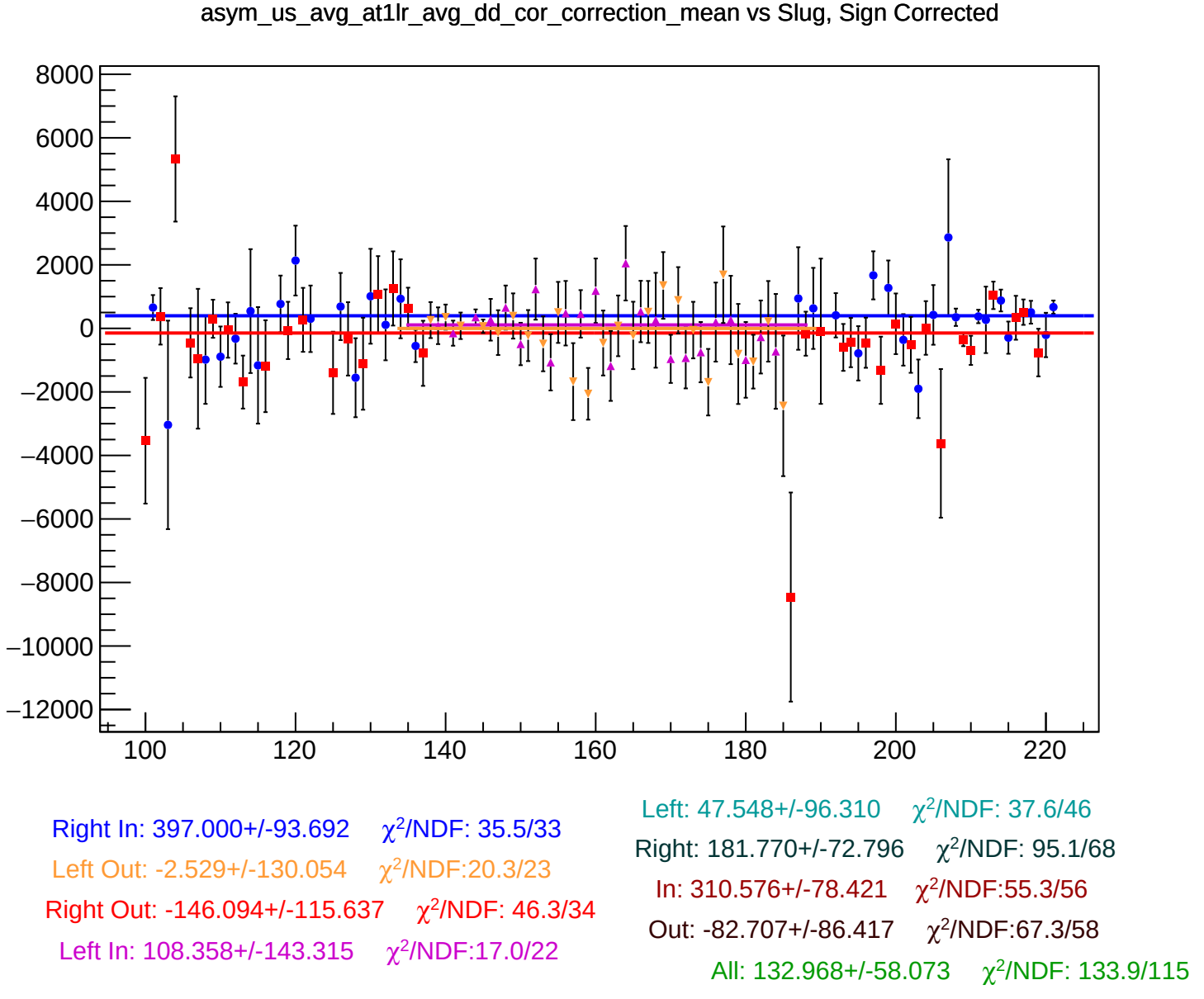
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1786.116+/-0.194 χ^2/NDF: 1048677.8/68

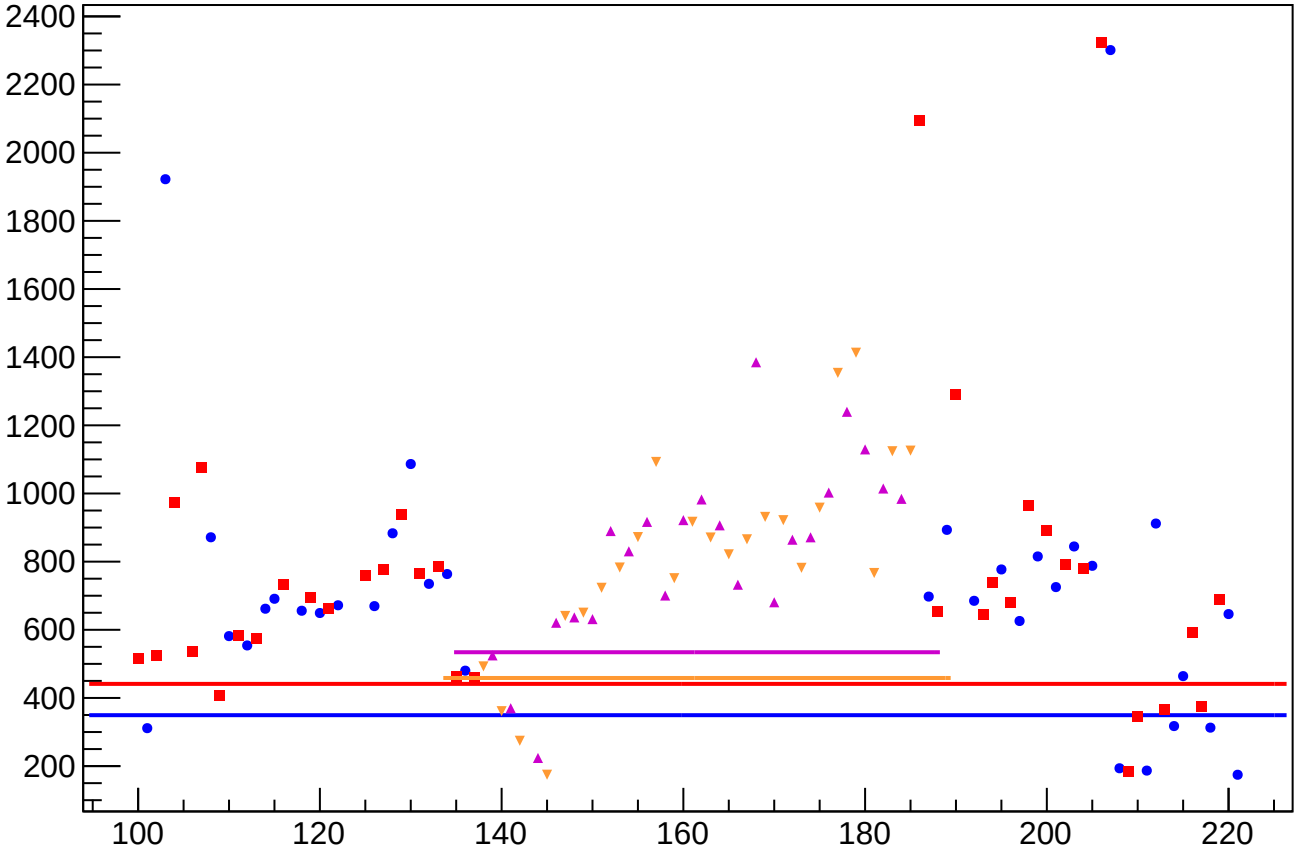
In: 1756.514+/-0.196 χ^2/NDF:732299.7/56

Out: 1764.543+/-0.199 χ^2/NDF:355320.5/58

All: 1760.476+/-0.140 χ^2/NDF: 1088446.6/11


asym_us_avg_at1lr_avg_dd_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: 397.000+/-93.692 χ²/NDF: 35.5/33
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -146.094+/-115.637 χ²/NDF: 46.3/34
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 181.770+/-72.796 χ²/NDF: 95.1/68
In: 310.576+/-78.421 χ²/NDF:55.3/56
Out: -82.707+/-86.417 χ²/NDF:67.3/58
All: 132.968+/-58.073 χ²/NDF: 133.9/115

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: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

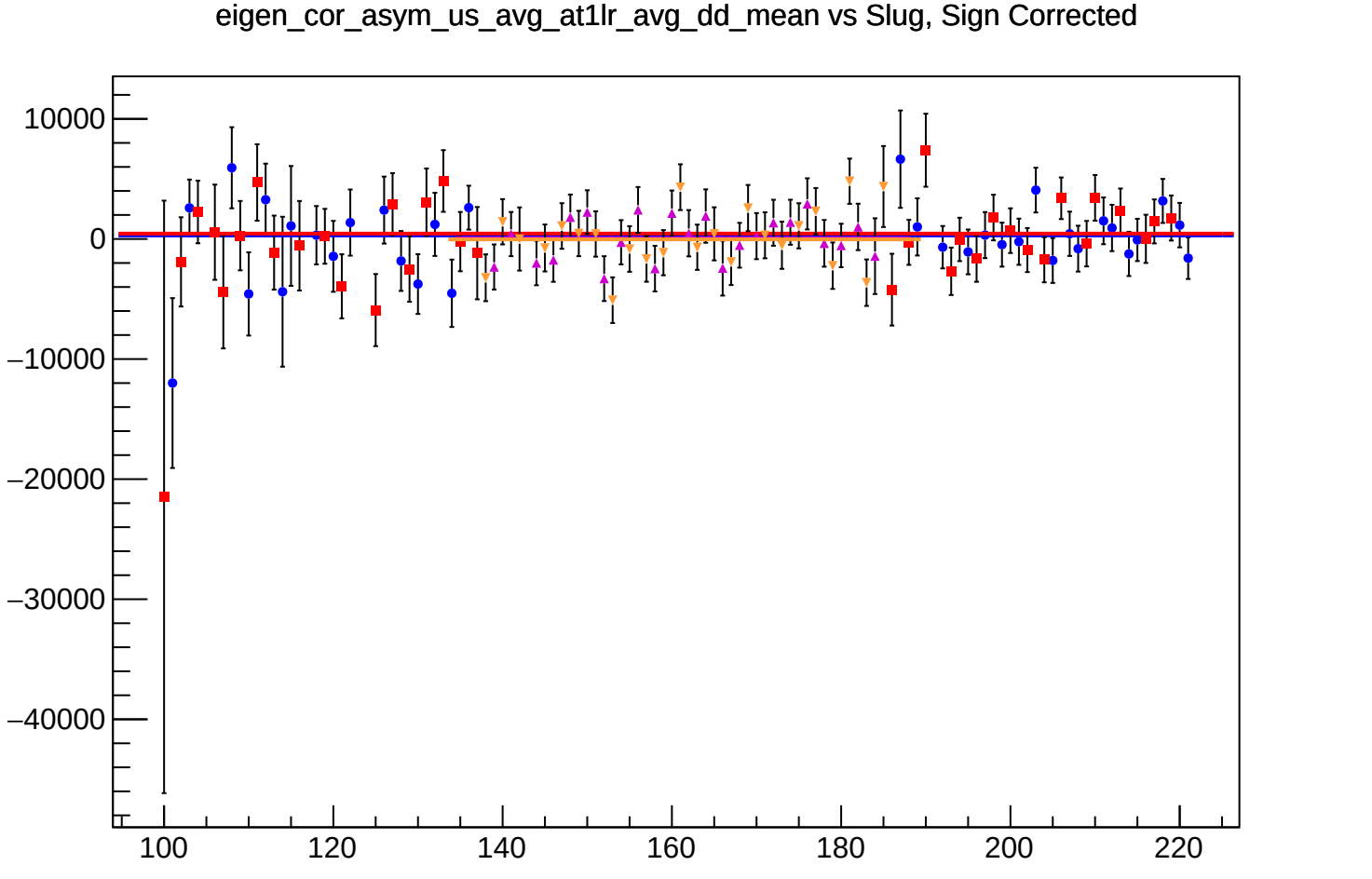
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 385.831+/-0.051 χ^2/NDF: 23292878.7/68

In: 404.748+/-0.055 χ^2/NDF:23390869.3/56

Out: 448.919+/-0.061 χ^2/NDF:21357448.3/58

All: 424.696+/-0.041 χ^2/NDF: 45034863.2/11



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: 447.853+/-393.428 χ^2/NDF: 39.6/34

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

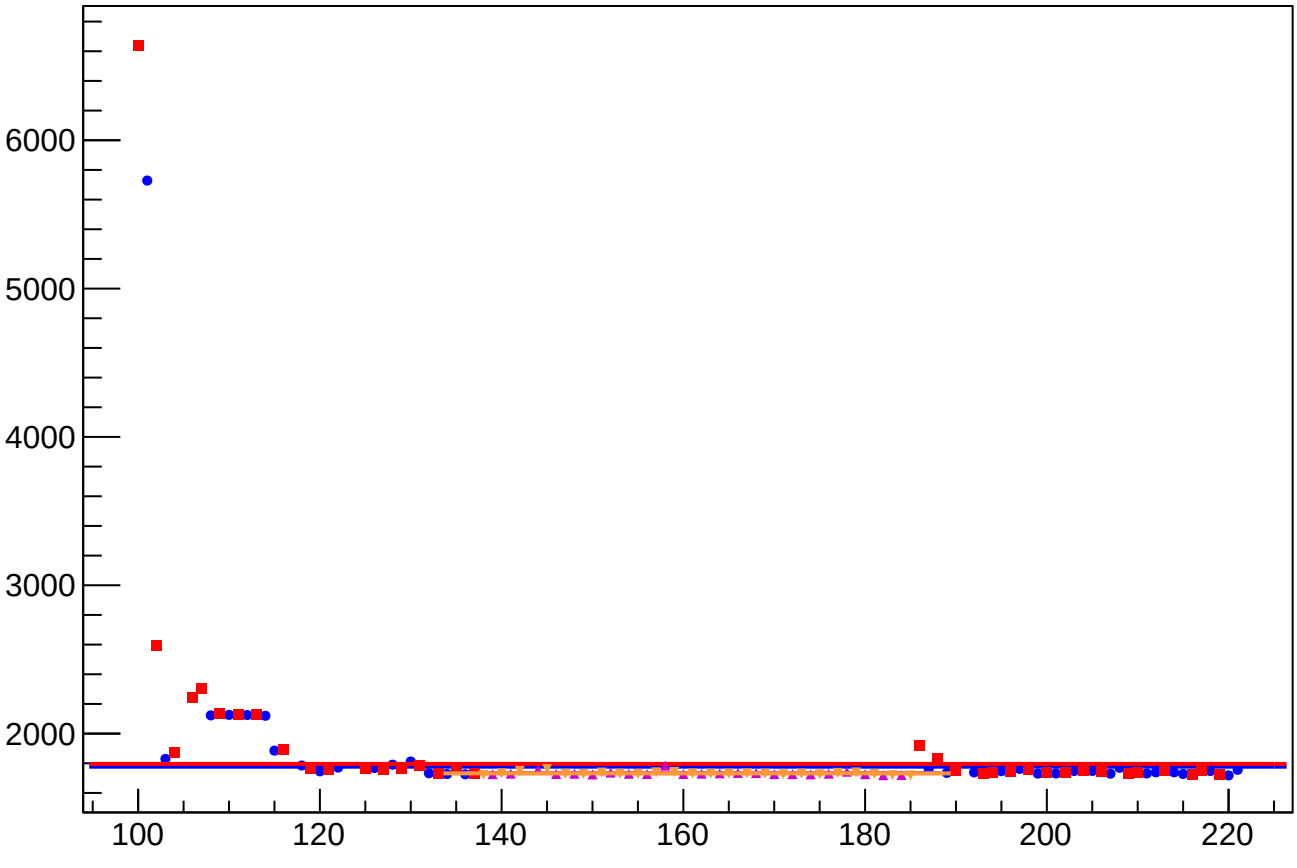
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 368.364+/-273.749 χ^2/NDF: 73.5/68

In: 180.456+/-277.465 χ^2/NDF:53.4/56

Out: 211.738+/-281.167 χ^2/NDF:75.7/58

All: 195.890+/-197.493 χ^2/NDF: 129.2/115



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: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

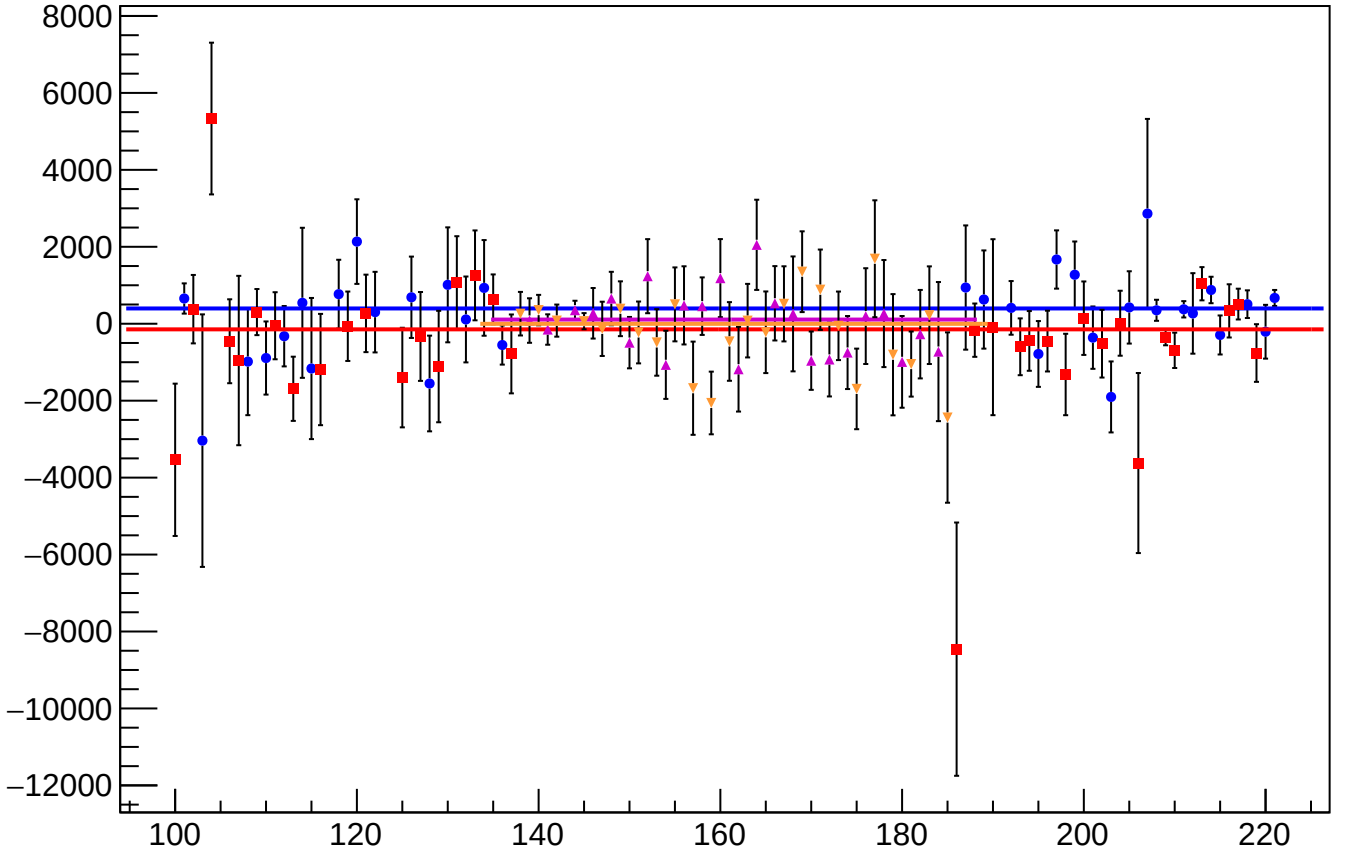
Right: 1786.116+/-0.194 χ^2/NDF: 1048677.8/68

In: 1756.514+/-0.196 χ^2/NDF:732299.7/56

Out: 1764.543+/-0.199 χ^2/NDF:355320.5/58

All: 1760.476+/-0.140 χ^2/NDF: 1088446.6/11

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: -146.094+/-115.637 χ^2/NDF: 46.3/34

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

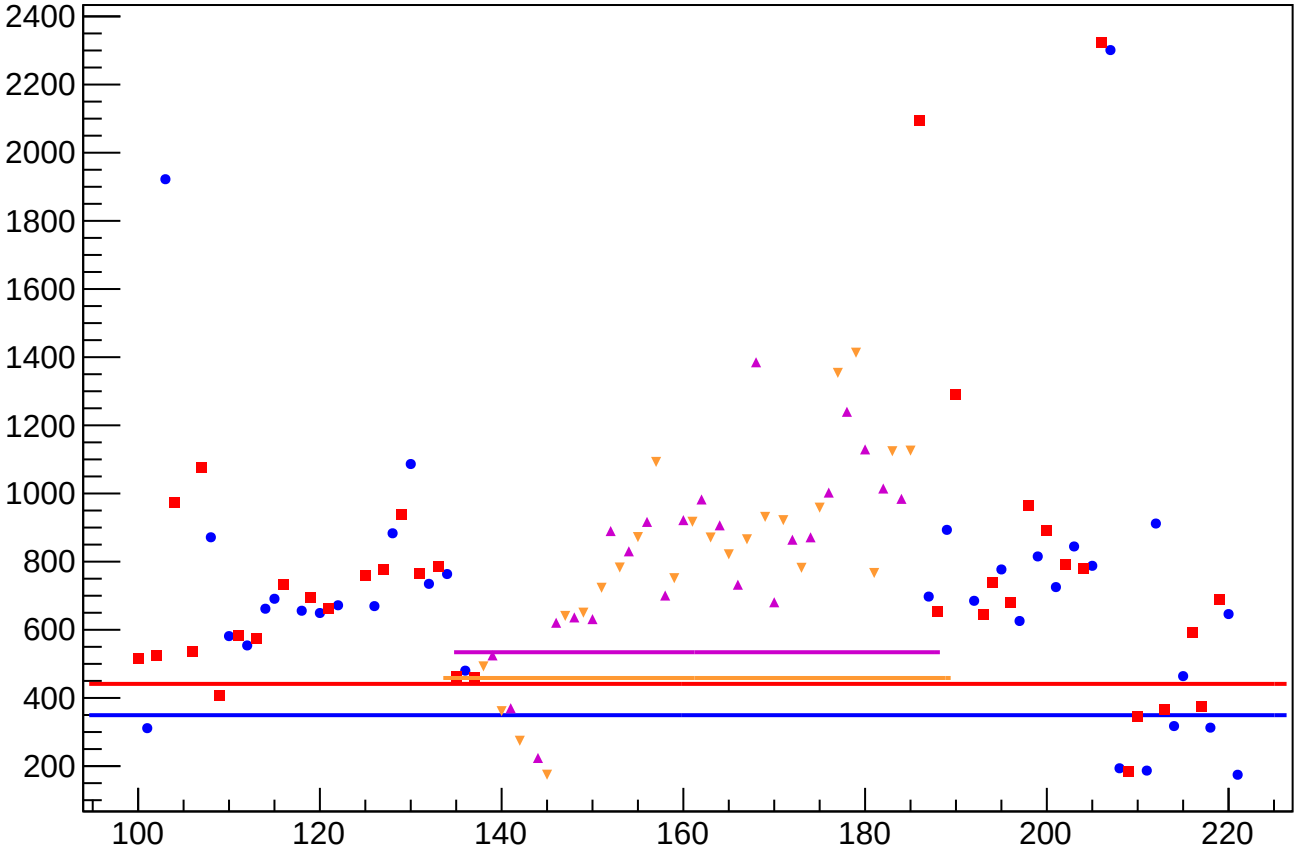
Right: 181.770+/-72.796 χ^2/NDF: 95.1/68

In: 310.576+/-78.421 χ^2/NDF:55.3/56

Out: -82.707+/-86.417 χ^2/NDF:67.3/58

All: 132.968+/-58.073 χ^2/NDF: 133.9/115

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: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

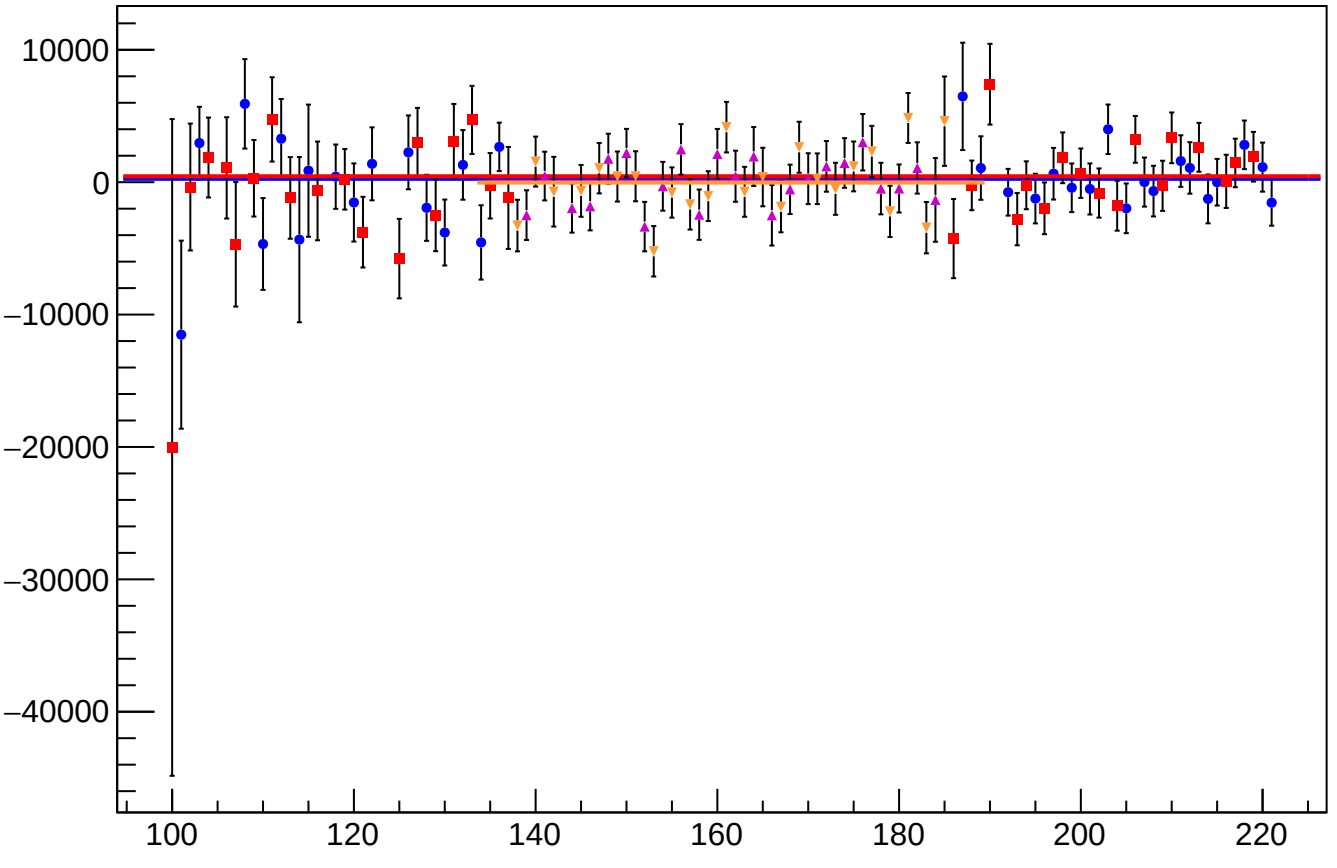
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 385.831+/-0.051 χ^2/NDF: 23292878.7/68

In: 404.748+/-0.055 χ^2/NDF:23390869.3/56

Out: 448.919+/-0.061 χ^2/NDF:21357448.3/58

All: 424.696+/-0.041 χ^2/NDF: 45034863.2/11



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: 450.490+/-396.868 χ^2/NDF: 39.0/34

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

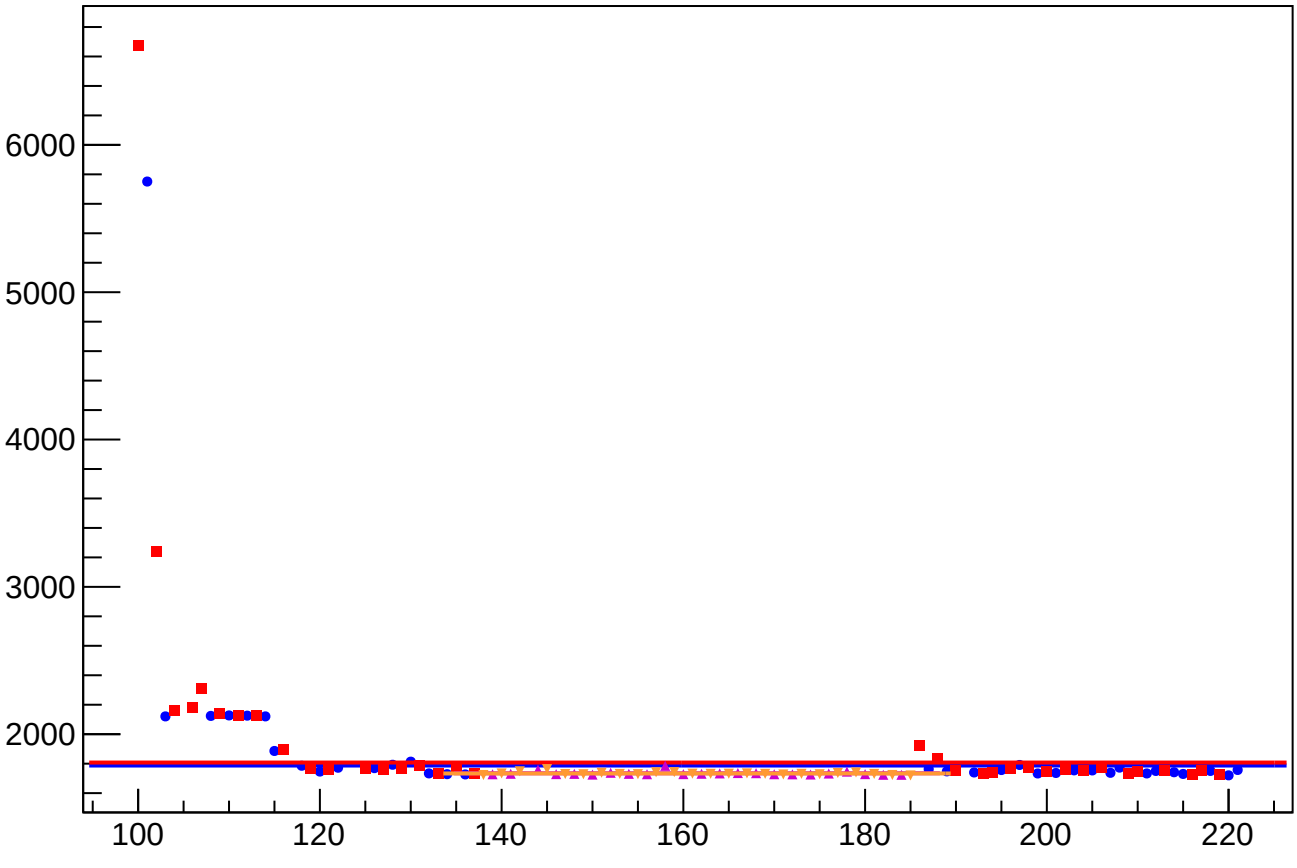
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 348.599+/-275.771 χ^2/NDF: 72.6/68

In: 153.737+/-278.473 χ^2/NDF:53.5/56

Out: 213.823+/-282.535 χ^2/NDF:75.2/58

All: 183.345+/-198.331 χ^2/NDF: 128.7/115



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: 1807.579+/-0.281 χ^2/NDF: 432011.6/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

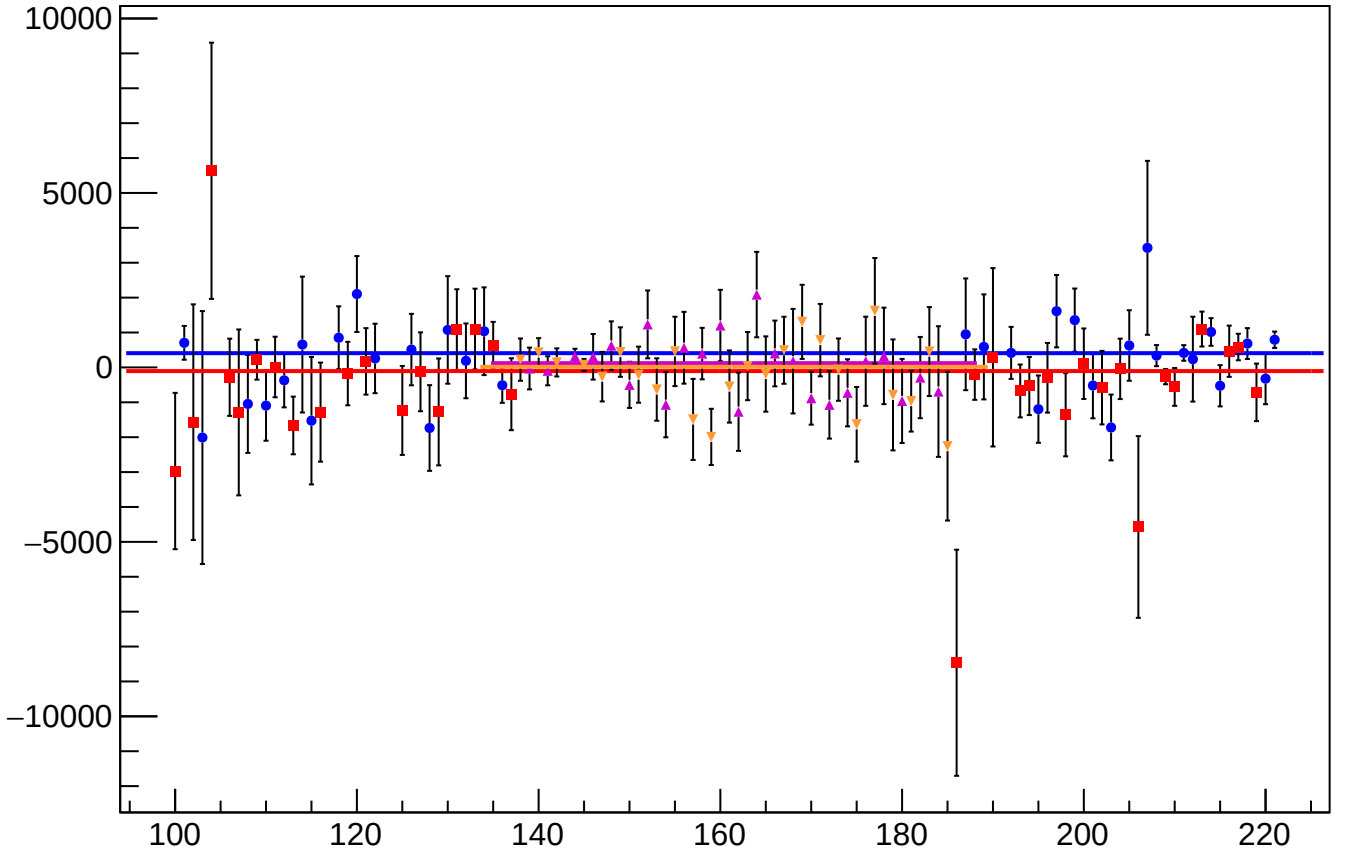
Right: 1797.105+/-0.195 χ^2/NDF: 1180850.5/68

In: 1762.504+/-0.197 χ^2/NDF:766050.4/56

Out: 1771.034+/-0.200 χ^2/NDF:467299.3/58

All: 1766.707+/-0.140 χ^2/NDF: 1234274.4/11

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: -105.303+/-123.651 χ^2/NDF: 37.7/34

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

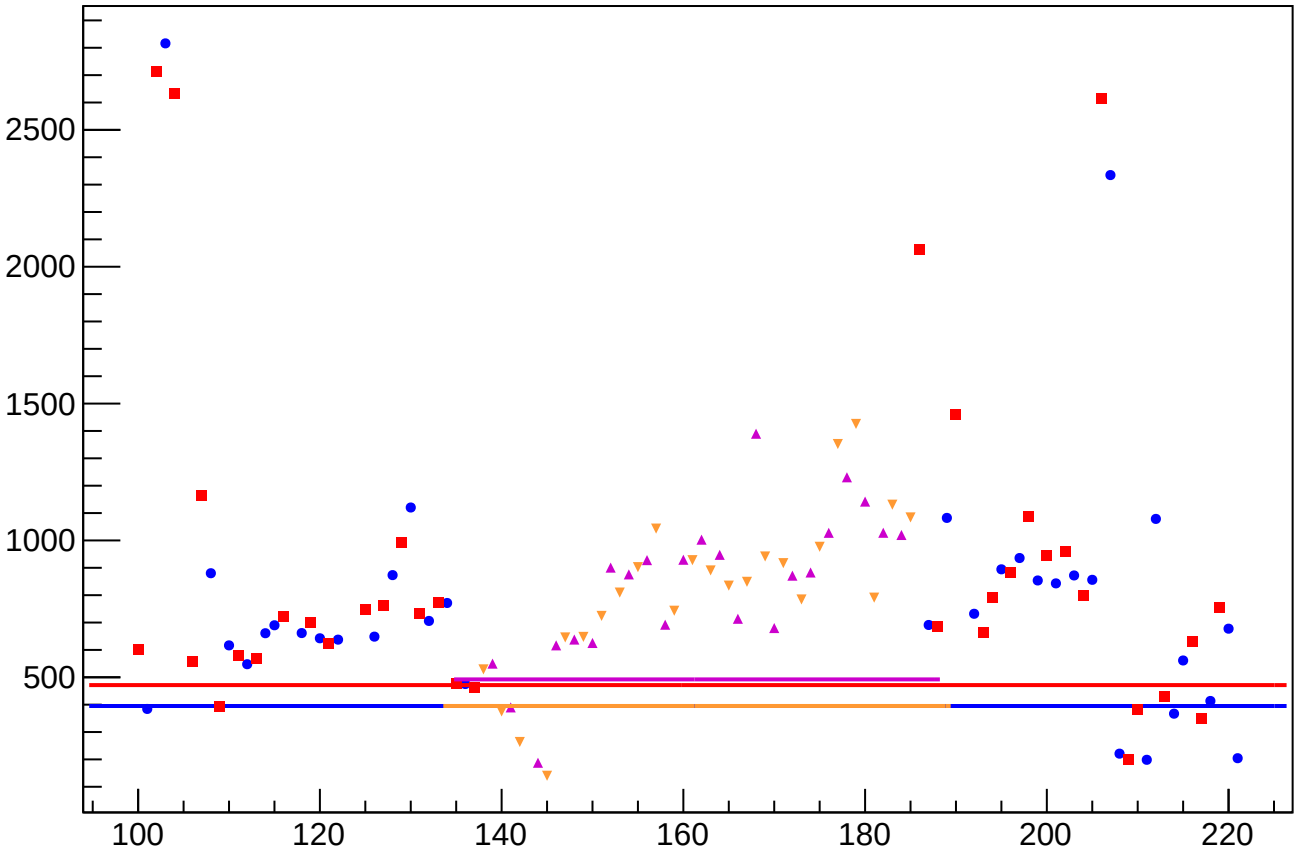
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: 197.347+/-79.235 χ^2/NDF: 85.6/68

In: 304.620+/-82.468 χ^2/NDF:57.0/56

Out: -41.447+/-85.867 χ^2/NDF:57.6/58

All: 138.572+/-59.479 χ^2/NDF: 123.1/115



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: 471.483+/-0.087 χ^2/NDF: 11220404.0/34

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

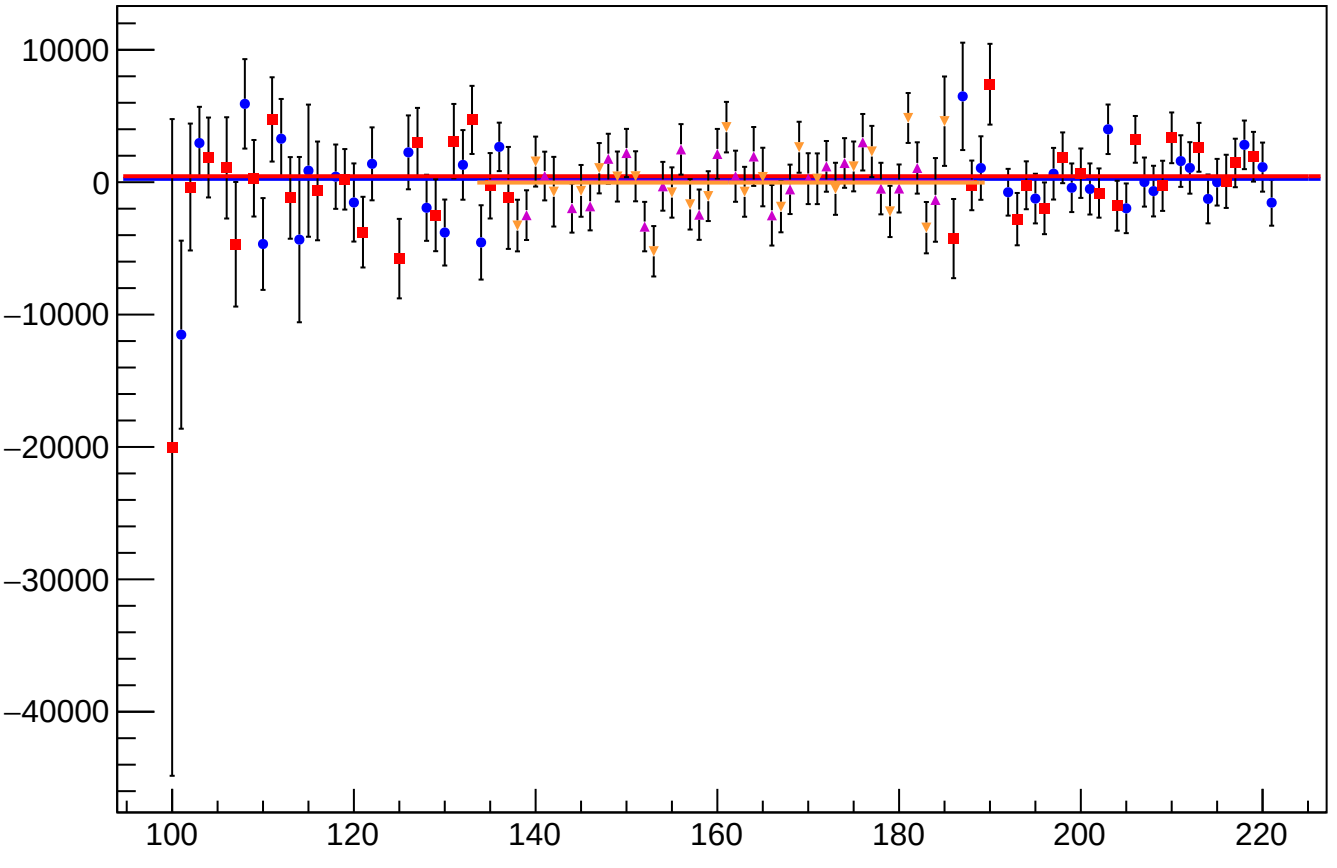
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 426.460+/-0.056 χ^2/NDF: 24442434.4/68

In: 430.236+/-0.058 χ^2/NDF:23833014.0/56

Out: 431.980+/-0.061 χ^2/NDF:25949059.4/58

All: 431.073+/-0.042 χ^2/NDF: 49782502.5/11



Right In: 253.469+/-383.474 χ^2/NDF: 33.5/33

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 450.494+/-396.868 χ^2/NDF: 39.0/34

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

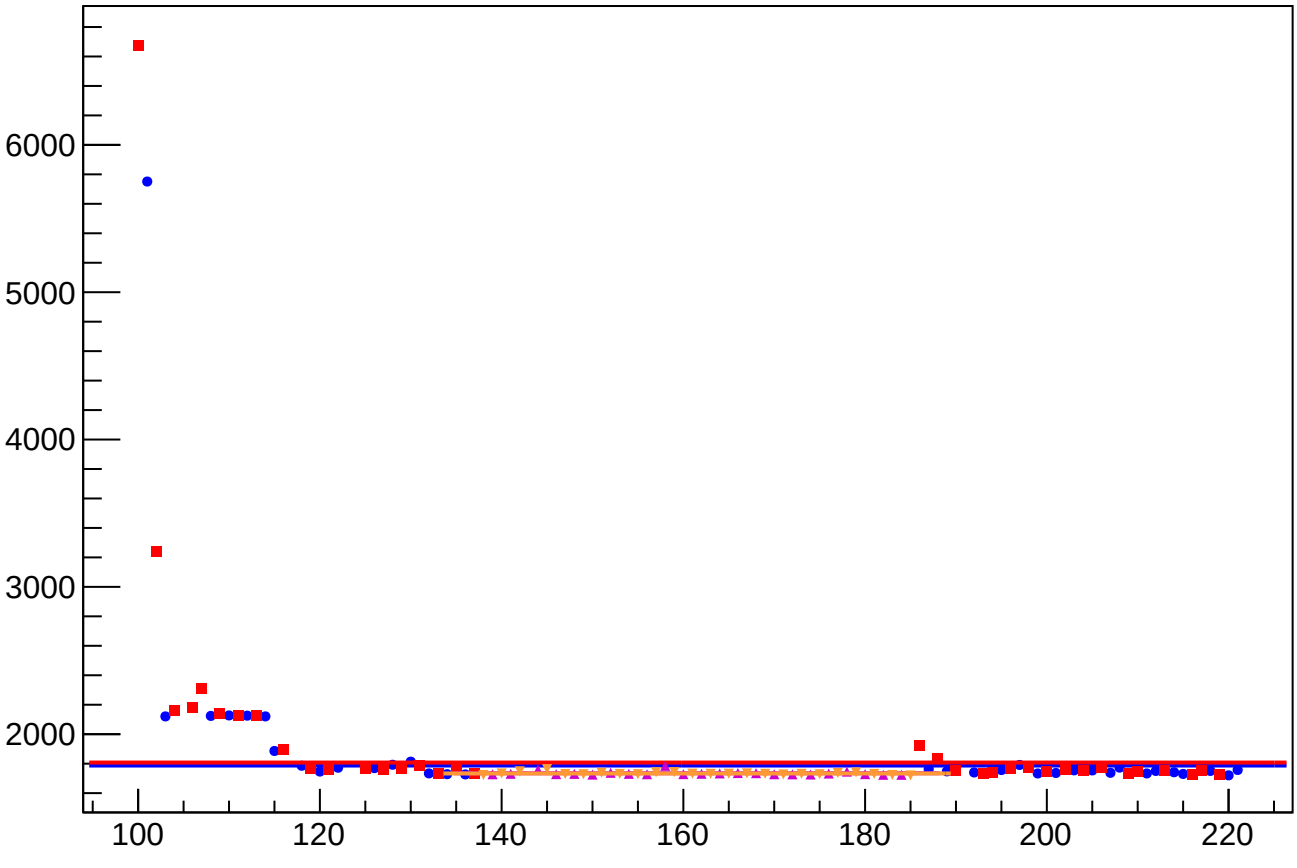
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 348.601+/-275.771 χ^2/NDF: 72.6/68

In: 153.737+/-278.473 χ^2/NDF:53.5/56

Out: 213.823+/-282.535 χ^2/NDF:75.2/58

All: 183.345+/-198.331 χ^2/NDF: 128.7/115



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: 1807.579+/-0.281 χ^2/NDF: 432010.7/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

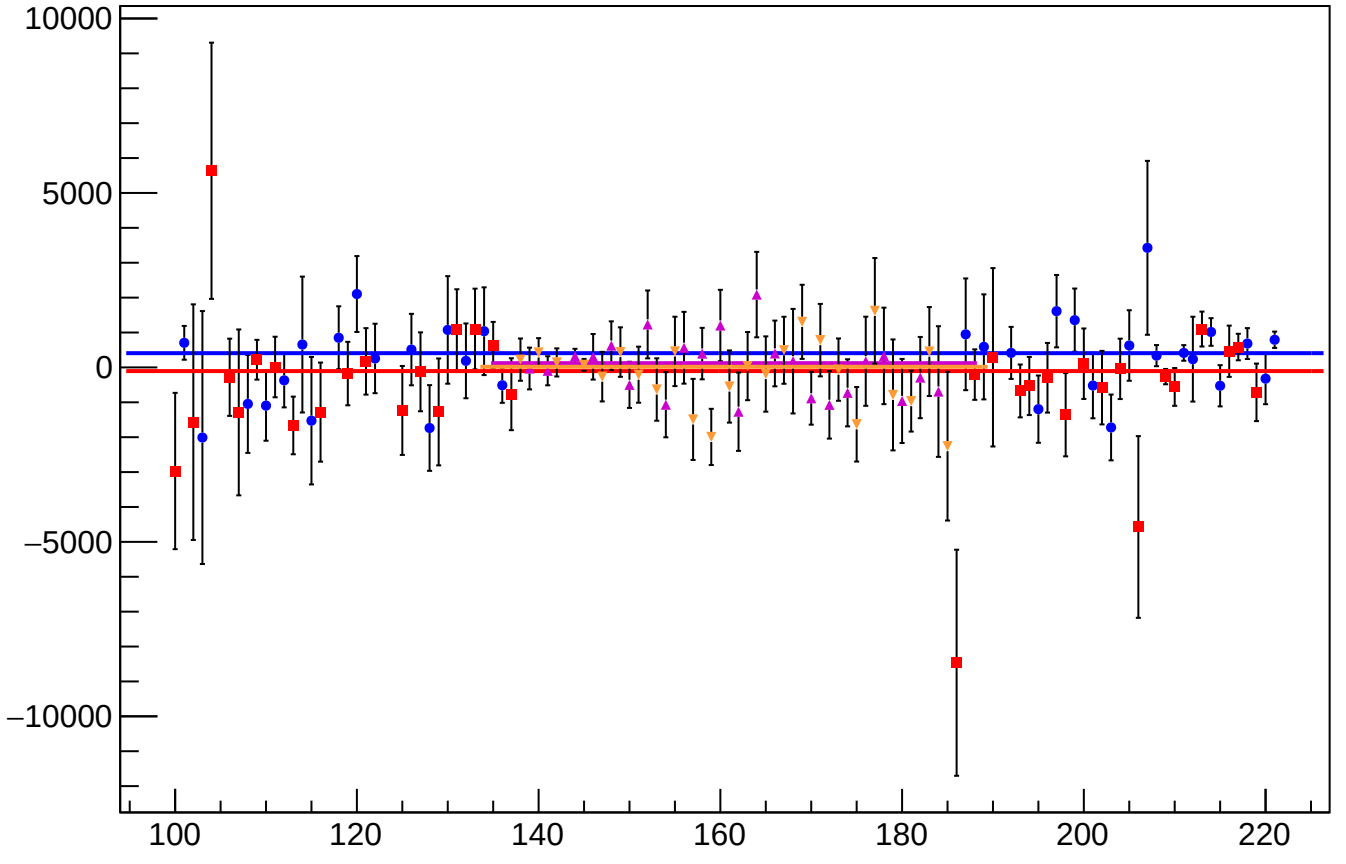
Right: 1797.105+/-0.195 χ^2/NDF: 1180849.2/68

In: 1762.504+/-0.197 χ^2/NDF:766049.9/56

Out: 1771.034+/-0.200 χ^2/NDF:467298.5/58

All: 1766.707+/-0.140 χ^2/NDF: 1234273.1/11

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: -105.300+/-123.650 χ^2/NDF: 37.7/34

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

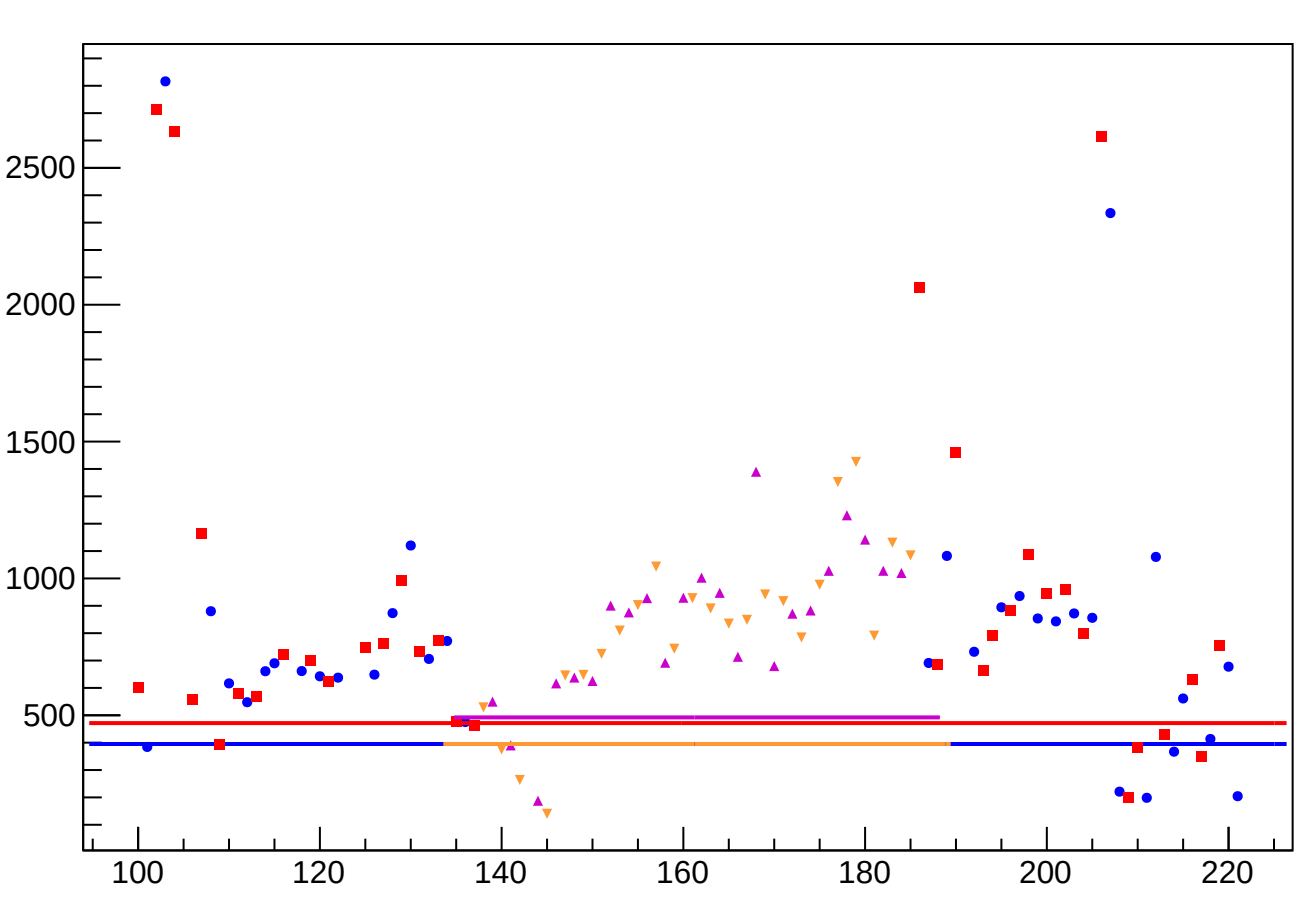
Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

Right: 197.346+/-79.235 χ^2/NDF: 85.6/68

In: 304.619+/-82.468 χ^2/NDF:57.0/56

Out: -41.447+/-85.867 χ^2/NDF:57.6/58

All: 138.571+/-59.479 χ^2/NDF: 123.1/115



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: 471.479+/-0.087 χ^2/NDF: 11220492.8/34

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

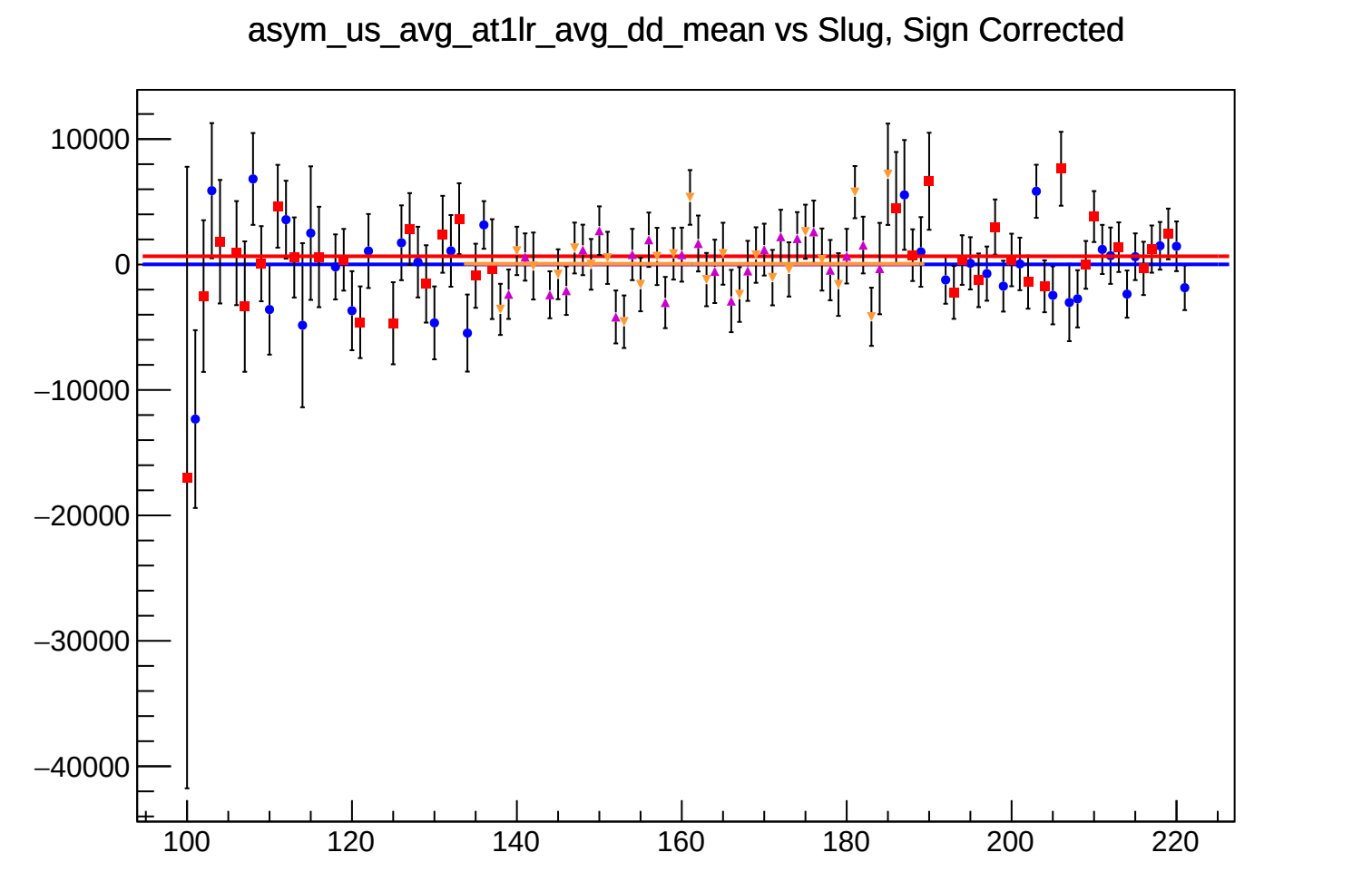
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 426.459+/-0.056 χ^2/NDF: 24442411.9/68

In: 430.237+/-0.058 χ^2/NDF:23832970.1/56

Out: 431.979+/-0.061 χ^2/NDF:25949159.8/58

All: 431.073+/-0.042 χ^2/NDF: 49782558.0/1



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: 658.238+/-439.990 χ^2/NDF: 30.6/34

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

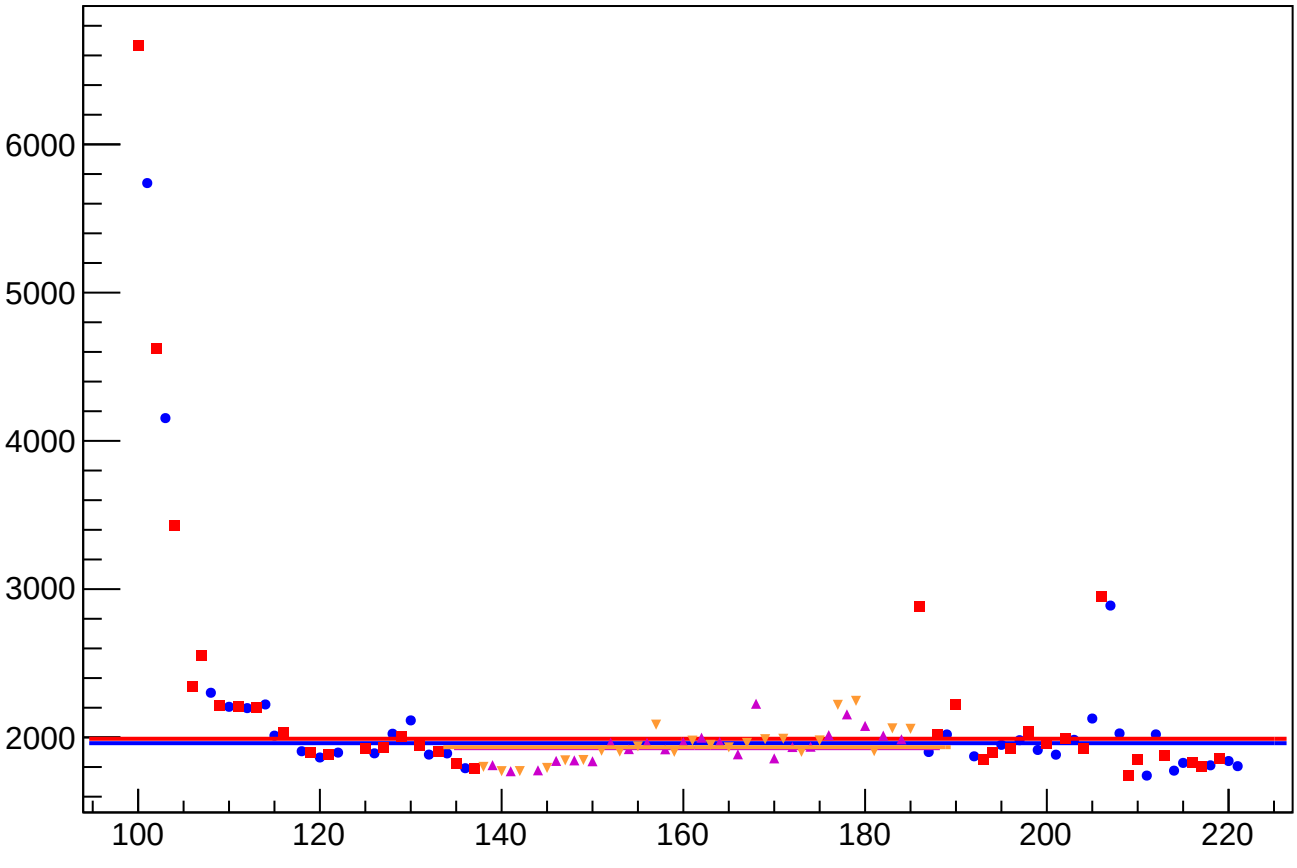
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 323.560+/-305.466 χ^2/NDF: 71.5/68

In: 18.459+/-309.000 χ^2/NDF:59.7/56

Out: 368.939+/-314.514 χ^2/NDF:65.1/58

All: 190.600+/-220.420 χ^2/NDF: 125.4/115



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: 1990.632+/-0.311 χ^2/NDF: 1119251.0/34

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

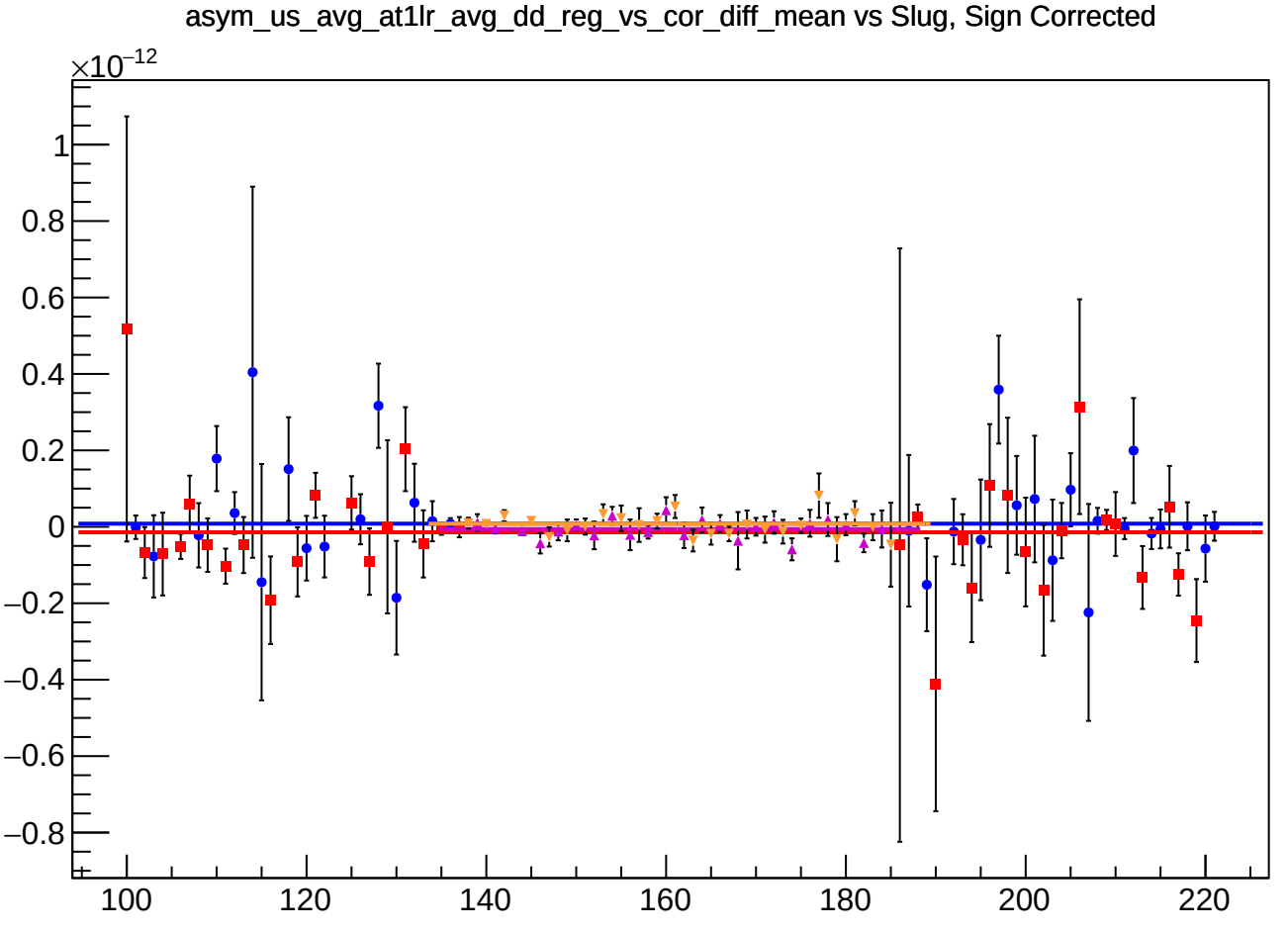
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

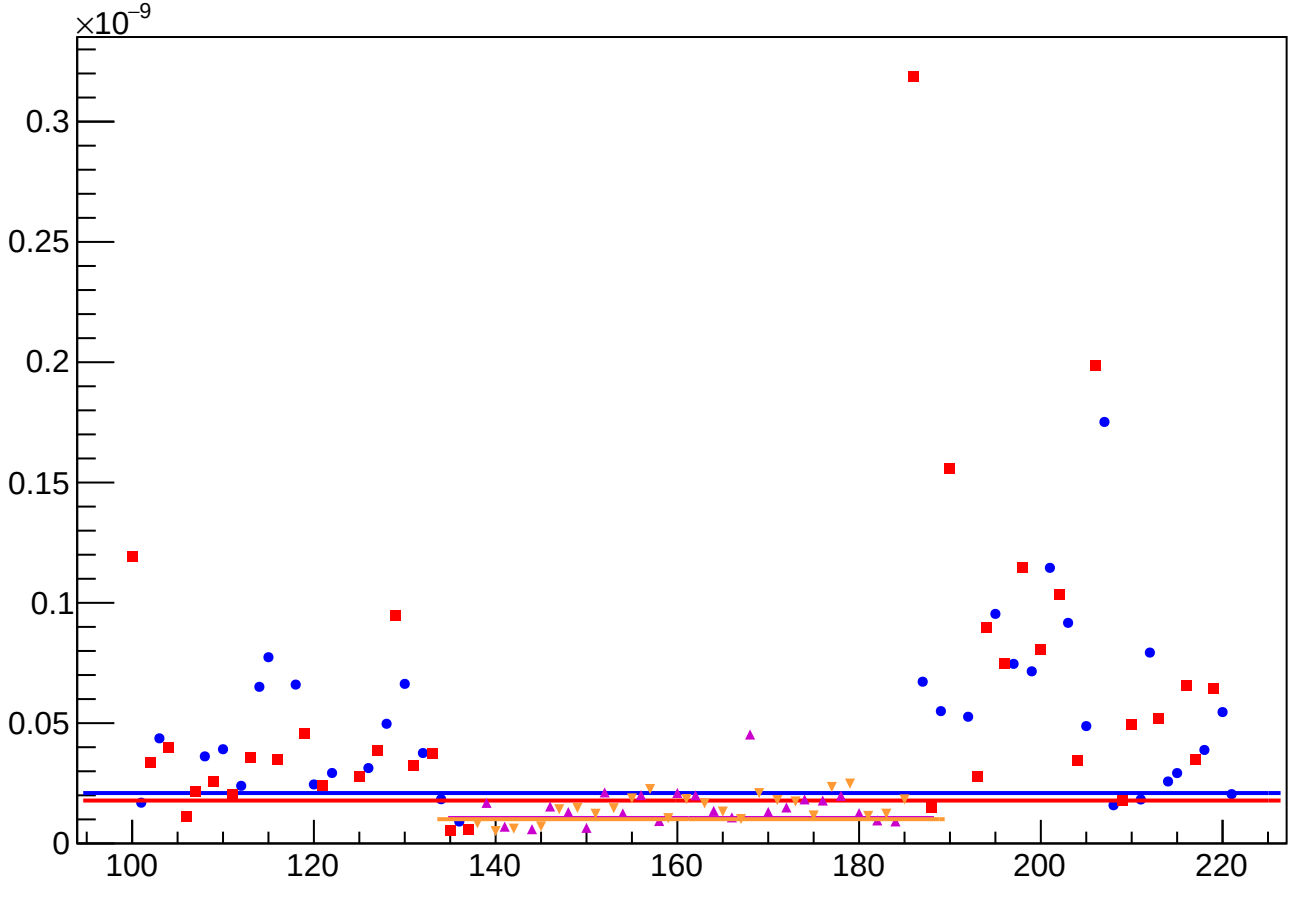
Right: 1975.182+/-0.216 χ^2/NDF: 2388556.9/68

In: 1944.978+/-0.218 χ^2/NDF:1386899.4/56

Out: 1962.842+/-0.222 χ^2/NDF:1264098.5/58

All: 1953.752+/-0.156 χ^2/NDF: 2654281.1/11


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: 40.5/34
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: 75.3/68
In: -0.000+/-0.000 χ²/NDF:50.3/56
Out: 0.000+/-0.000 χ²/NDF:62.9/58
All: 0.000+/-0.000 χ²/NDF: 114.6/115



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: 8269424.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

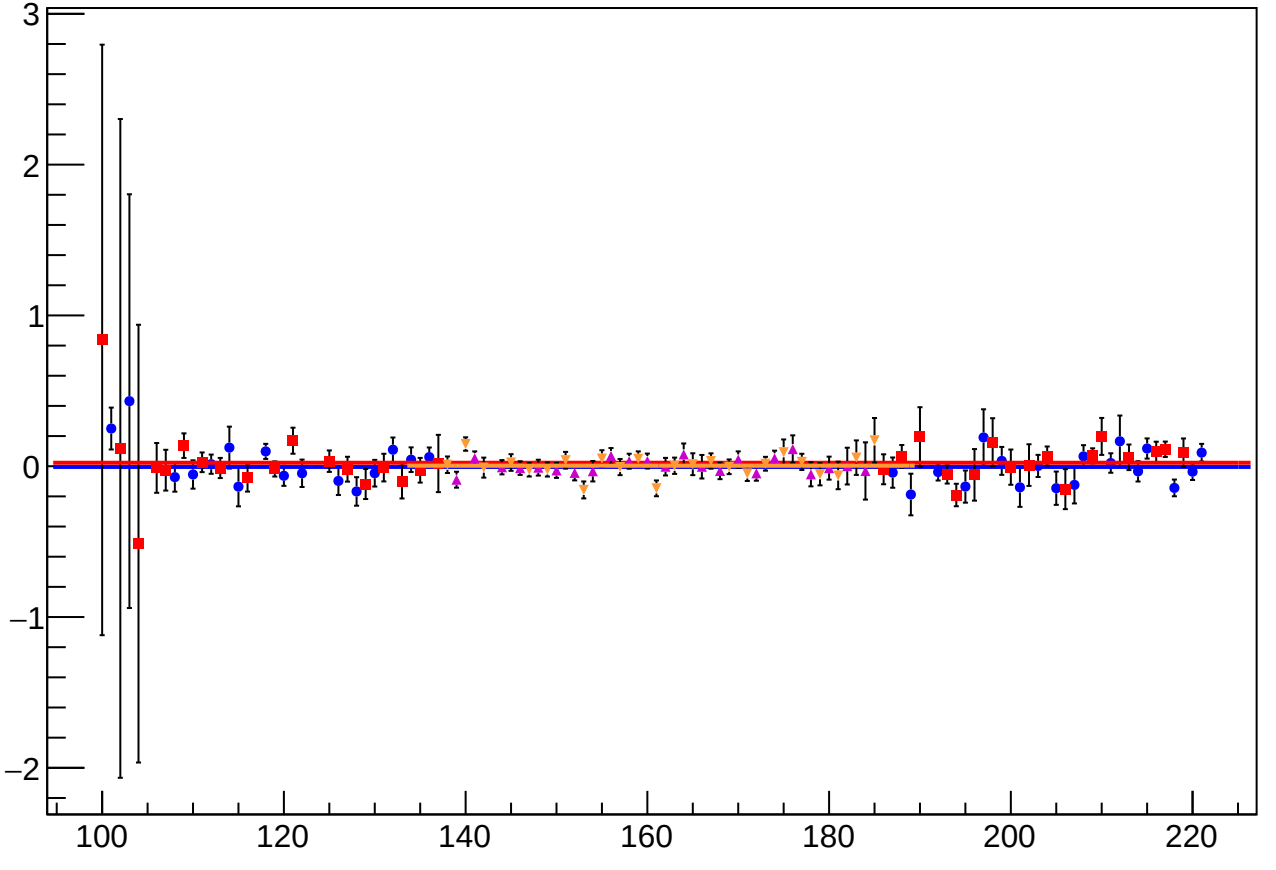
Right: 0.000+/-0.000 χ^2/NDF: 15059772.7/68

In: 0.000+/-0.000 χ^2/NDF:11364552.2/56

Out: 0.000+/-0.000 χ^2/NDF:11762453.8/58

All: 0.000+/-0.000 χ^2/NDF: 23202739.5/115

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: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

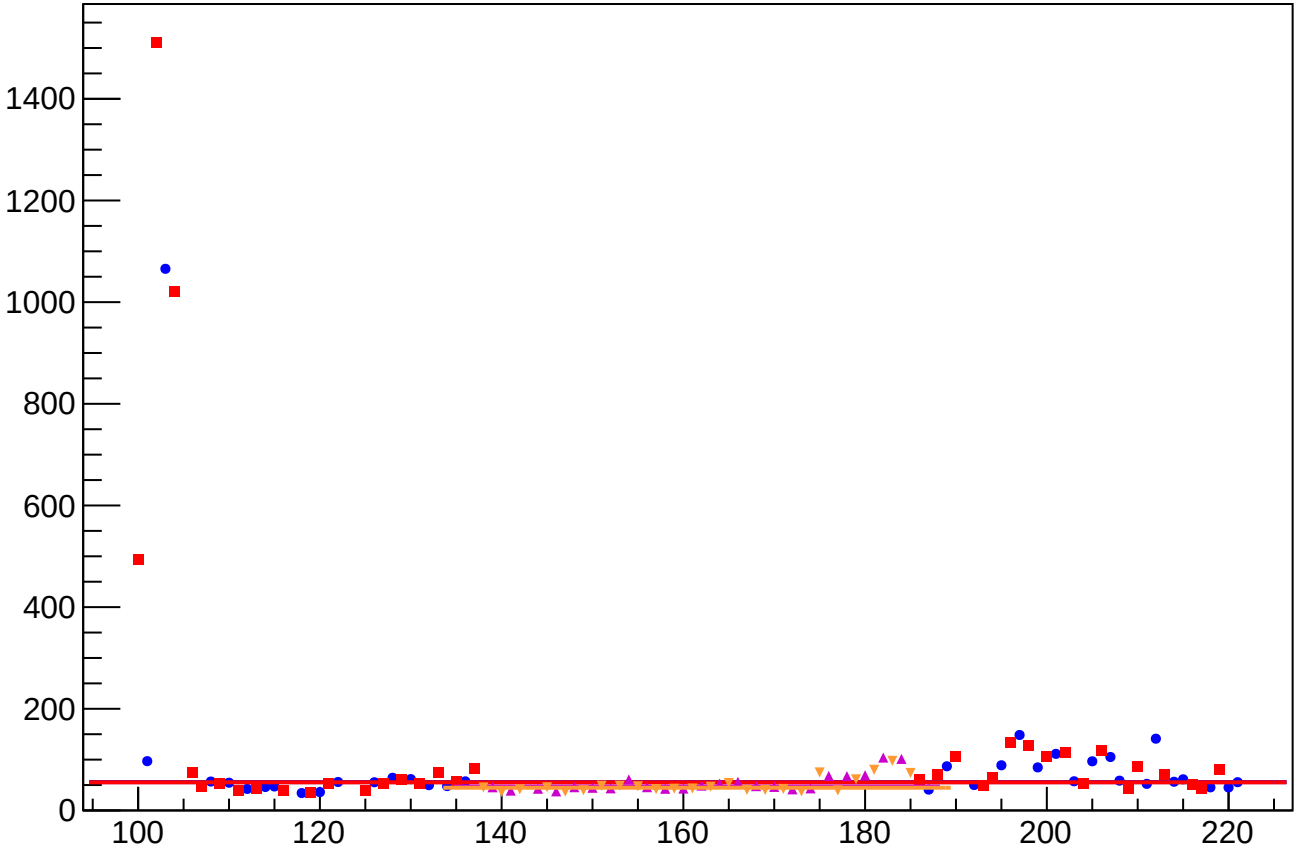
Right: 0.009+/-0.010 χ^2/NDF: 77.9/68

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.005+/-0.006 χ^2/NDF: 127.5/115

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: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

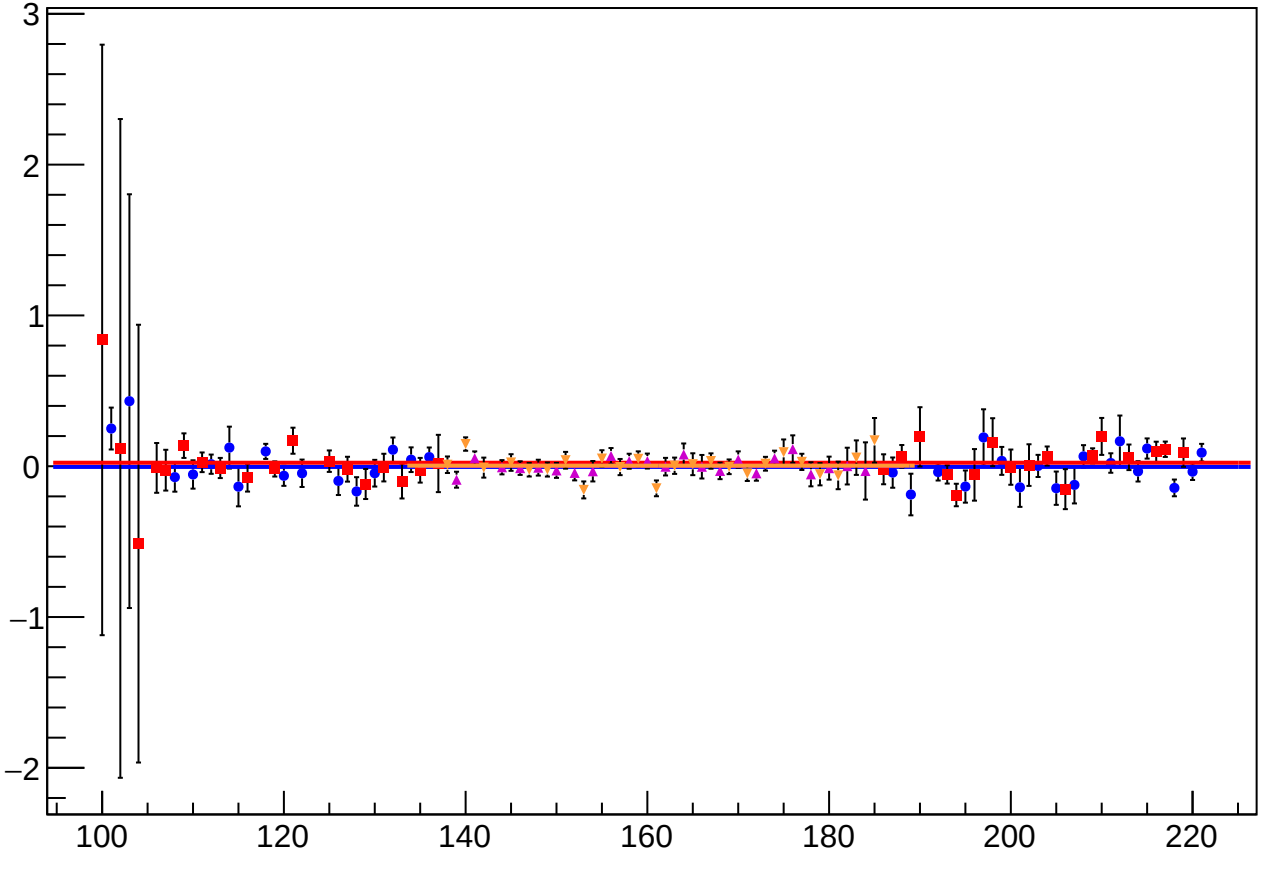
Right: 55.574+/-0.007 χ^2/NDF: 10179240.2/68

In: 50.759+/-0.006 χ^2/NDF:6483844.0/56

Out: 48.838+/-0.006 χ^2/NDF:7674663.8/58

All: 49.795+/-0.005 χ^2/NDF: 14203793.9/115

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: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

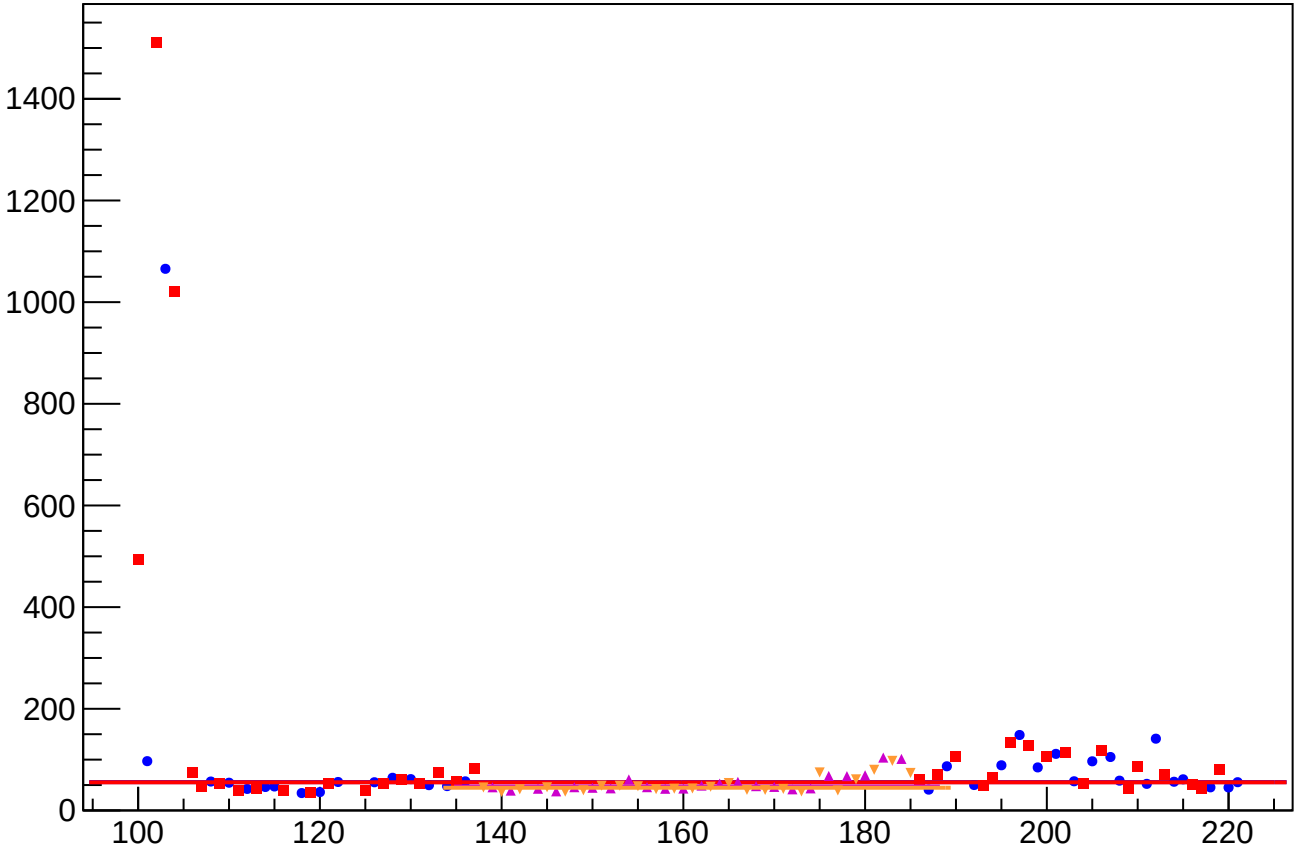
Right: 0.009+/-0.010 χ^2/NDF: 77.9/68

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.005+/-0.006 χ^2/NDF: 127.5/115

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: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

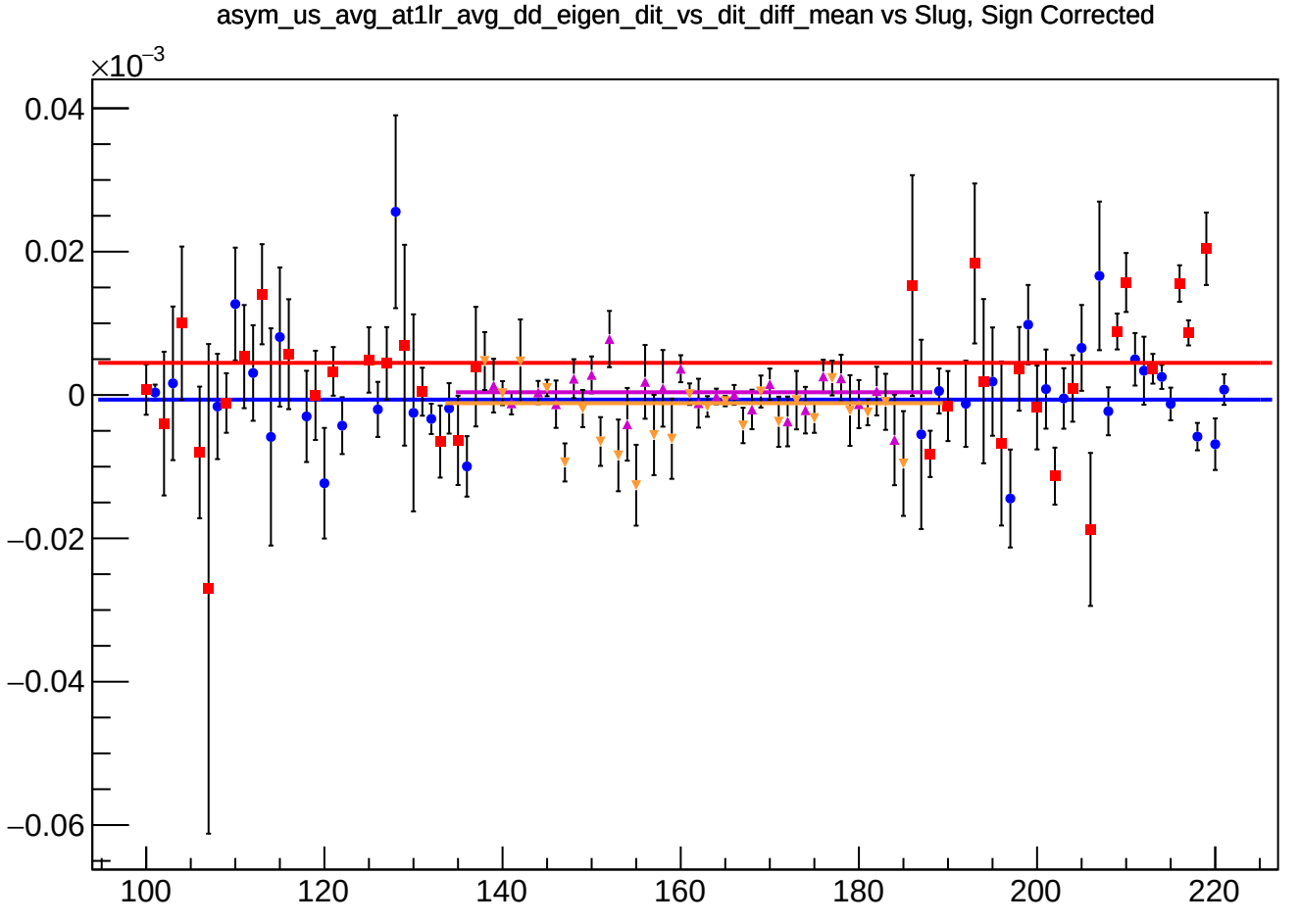
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 55.574+/-0.007 χ^2/NDF: 10179240.2/68

In: 50.759+/-0.006 χ^2/NDF:6483844.0/56

Out: 48.838+/-0.006 χ^2/NDF:7674663.8/58

All: 49.795+/-0.005 χ^2/NDF: 14203793.9/115



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: 106.0/34

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

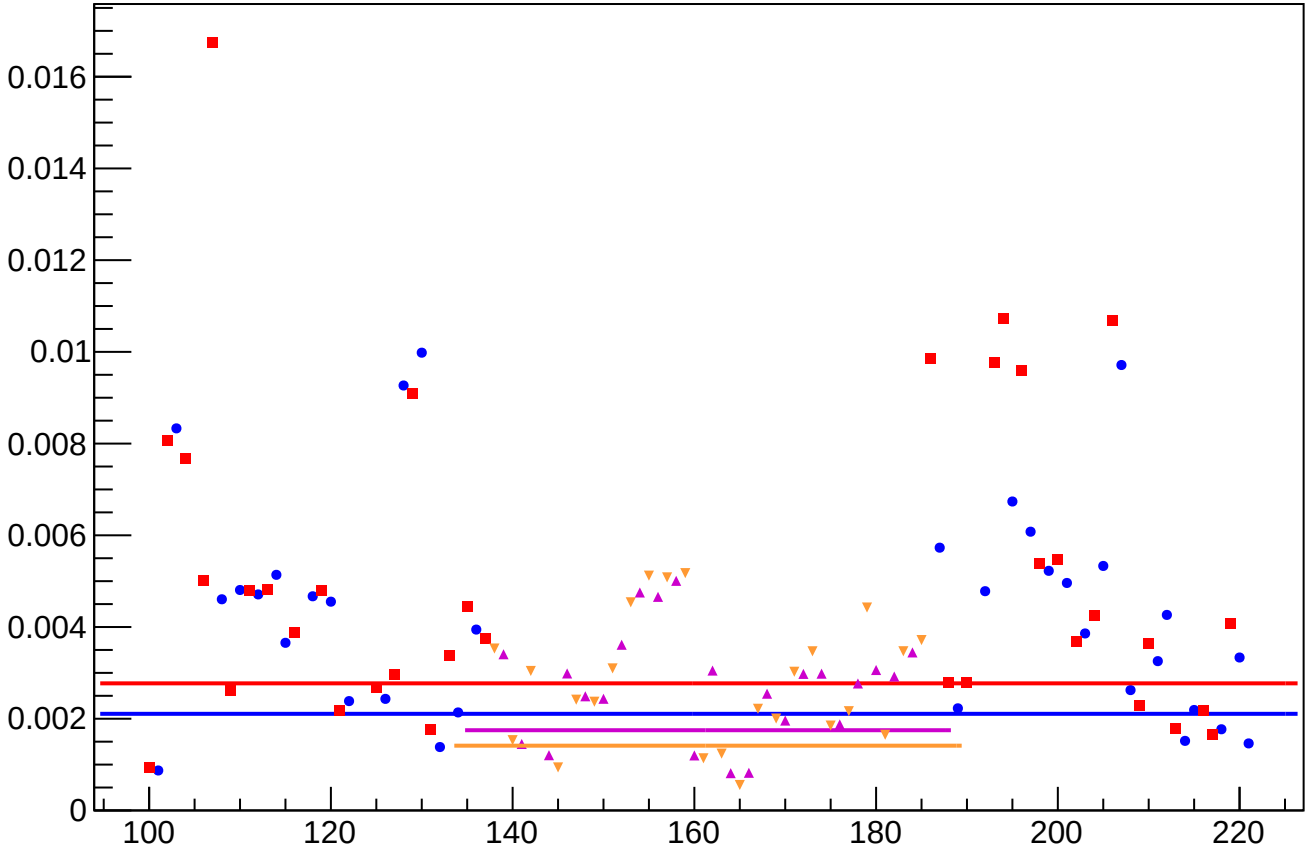
Right: 0.000+/-0.000 χ^2/NDF: 186.0/68

In: -0.000+/-0.000 χ^2/NDF:67.0/56

Out: 0.000+/-0.000 χ^2/NDF:187.5/58

All: 0.000+/-0.000 χ^2/NDF: 254.9/115

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: 10178278.9/34

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

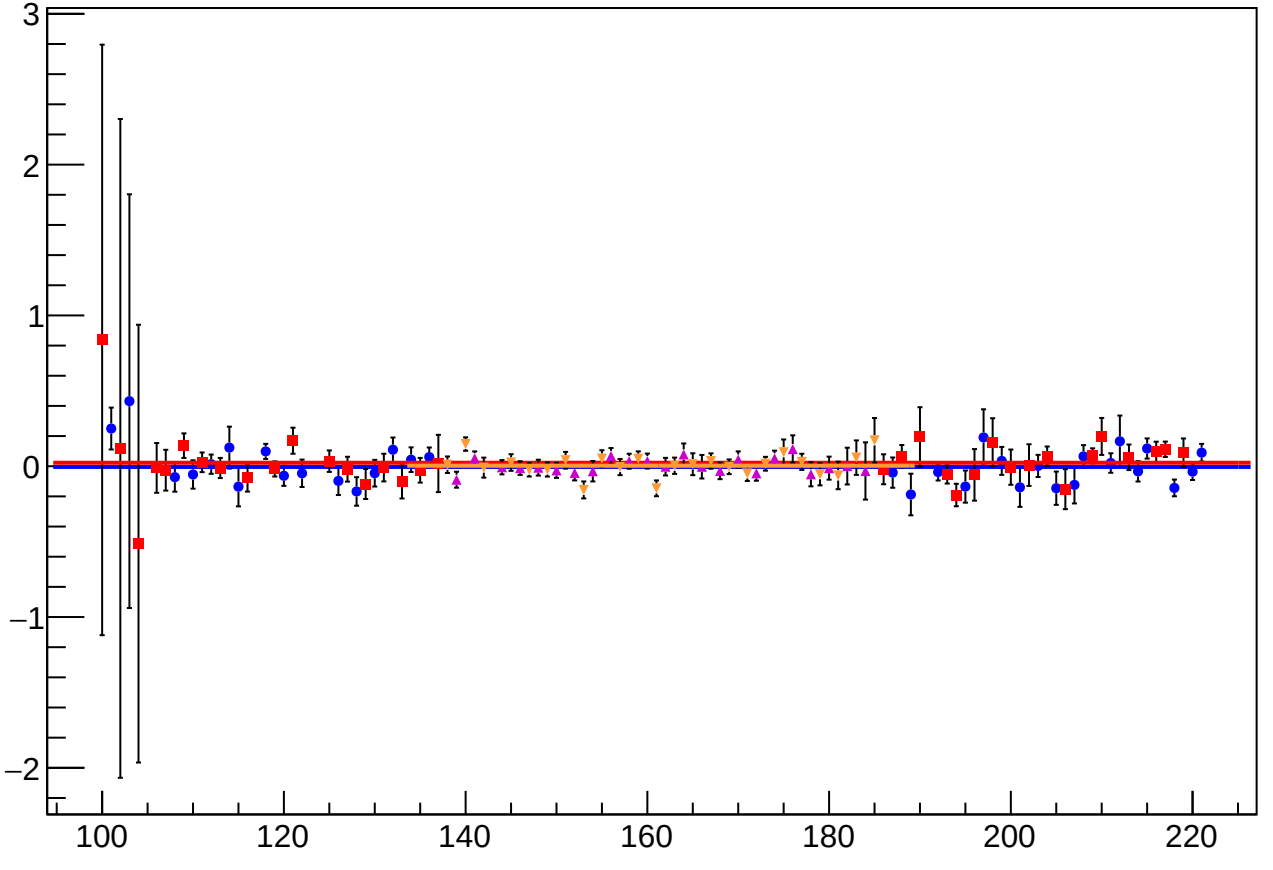
Right: 0.002+/-0.000 χ^2/NDF: 24248905.3/68

In: 0.002+/-0.000 χ^2/NDF:21717502.3/56

Out: 0.002+/-0.000 χ^2/NDF:27117786.0/58

All: 0.002+/-0.000 χ^2/NDF: 49026837.2/115

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: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

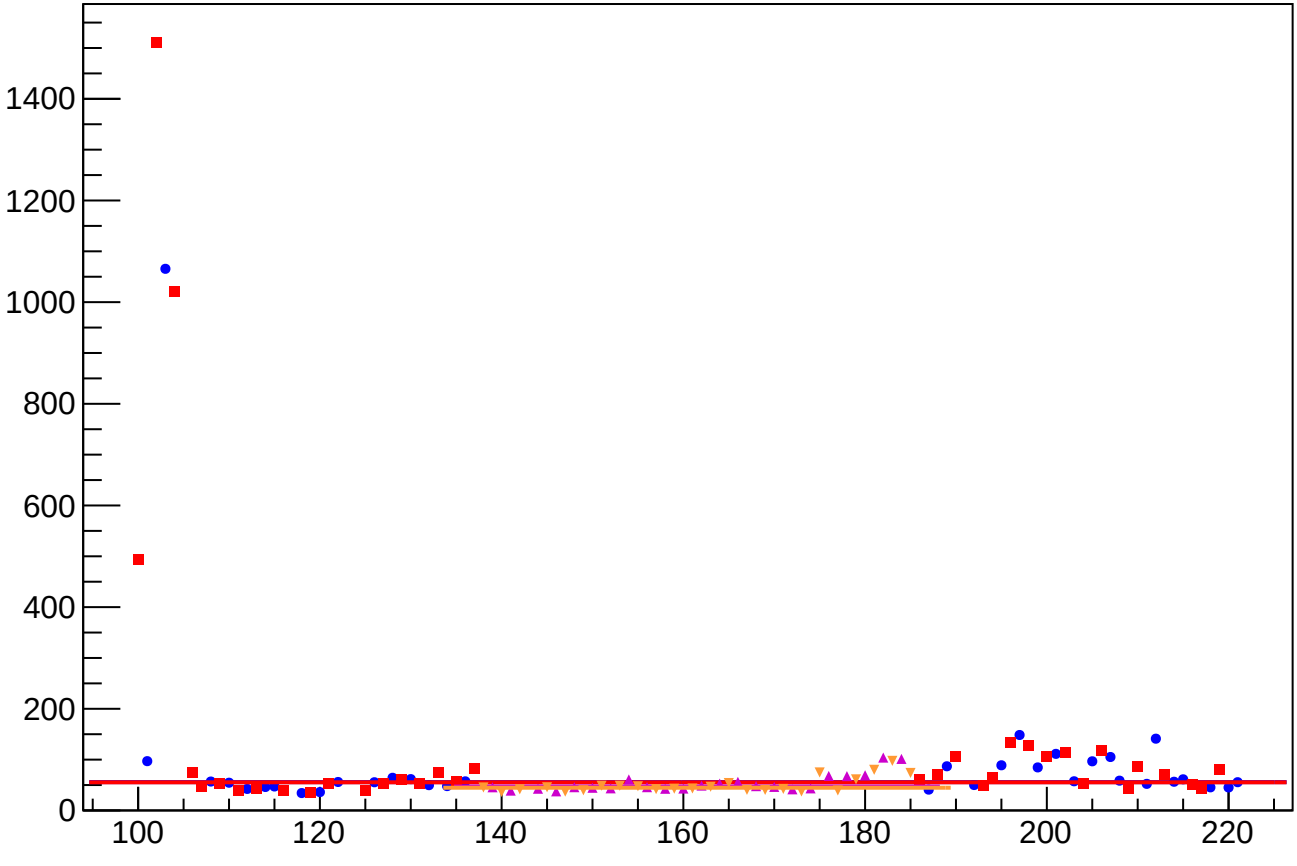
Right: 0.009+/-0.010 χ^2/NDF: 77.9/68

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.005+/-0.006 χ^2/NDF: 127.5/115

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: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

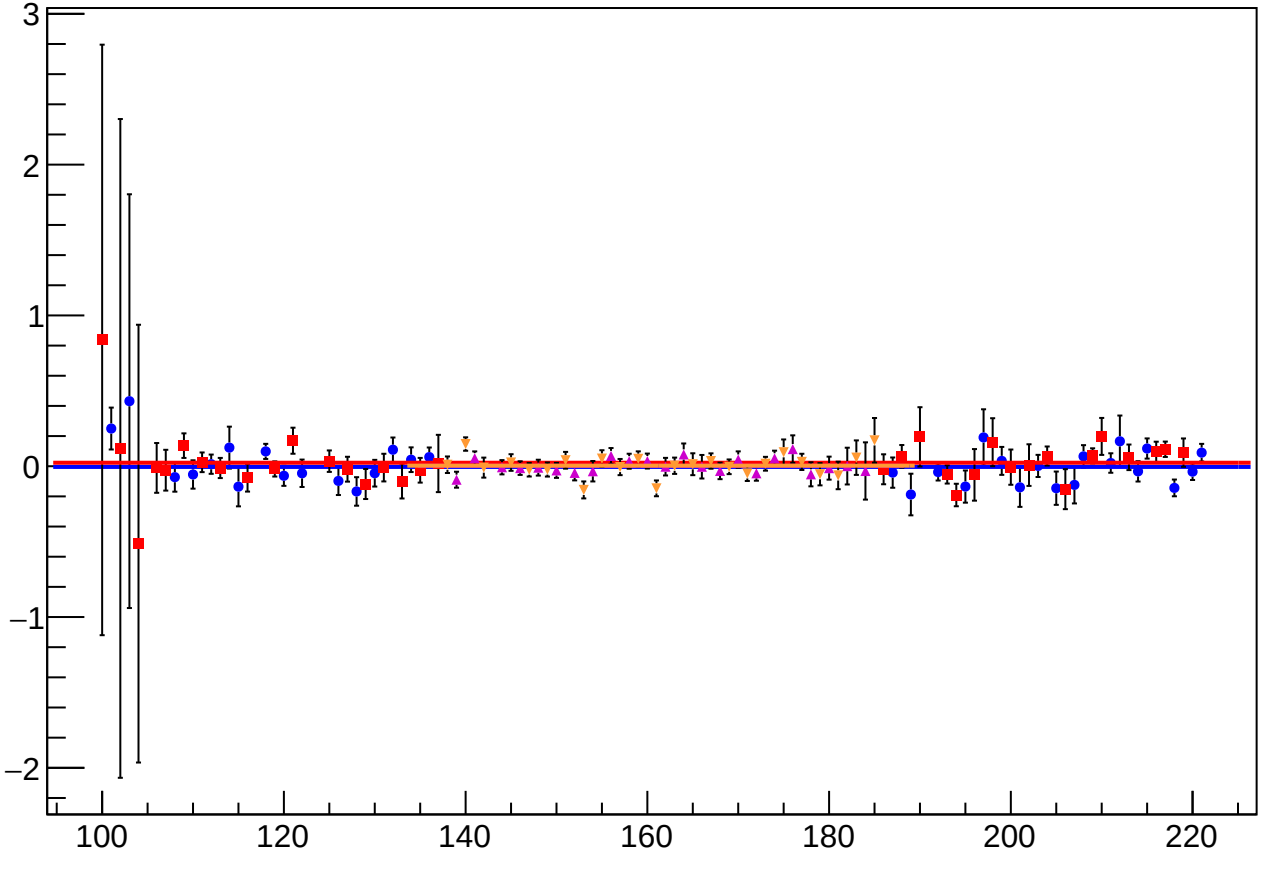
Right: 55.573+/-0.007 χ^2/NDF: 10179508.6/68

In: 50.758+/-0.006 χ^2/NDF:6483997.8/56

Out: 48.837+/-0.006 χ^2/NDF:7674686.9/58

All: 49.795+/-0.005 χ^2/NDF: 14203961.2/115

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: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

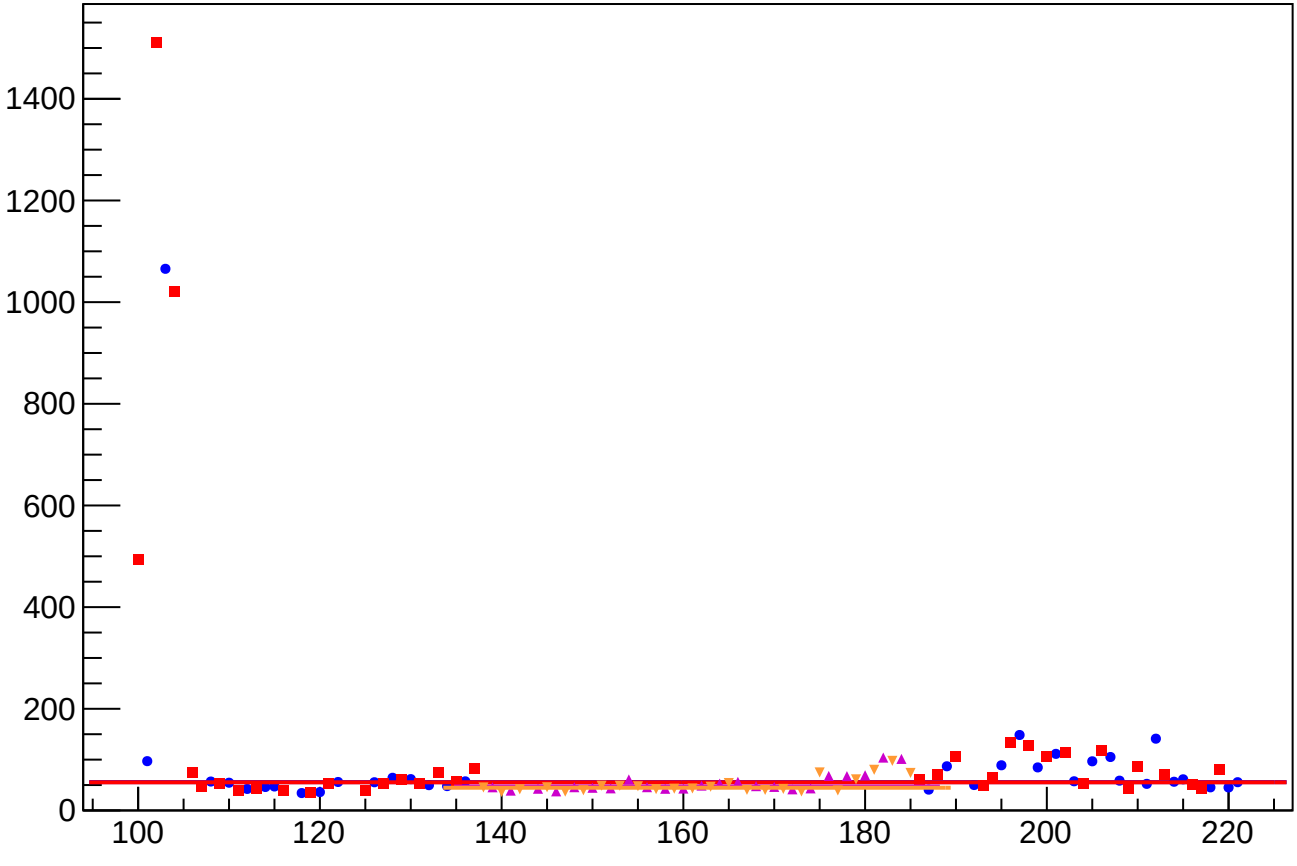
Right: 0.009+/-0.010 χ^2/NDF: 77.9/68

In: -0.000+/-0.009 χ^2/NDF:57.1/56

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.005+/-0.006 χ^2/NDF: 127.5/115

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: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

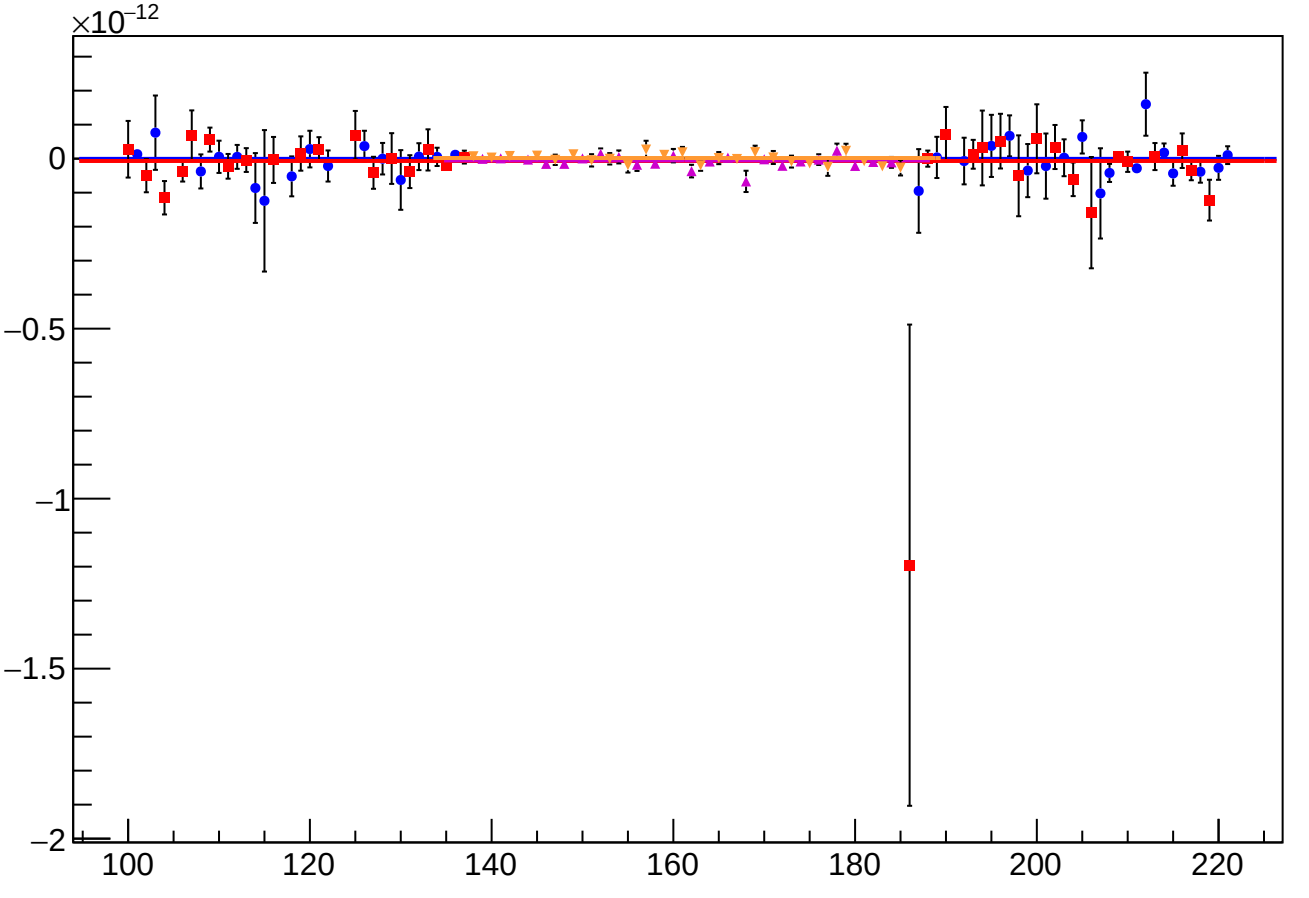
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.573+/-0.007 χ^2/NDF: 10179508.6/68

In: 50.758+/-0.006 χ^2/NDF:6483997.8/56

Out: 48.837+/-0.006 χ^2/NDF:7674686.9/58

All: 49.795+/-0.005 χ^2/NDF: 14203961.2/115



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: 30.7/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

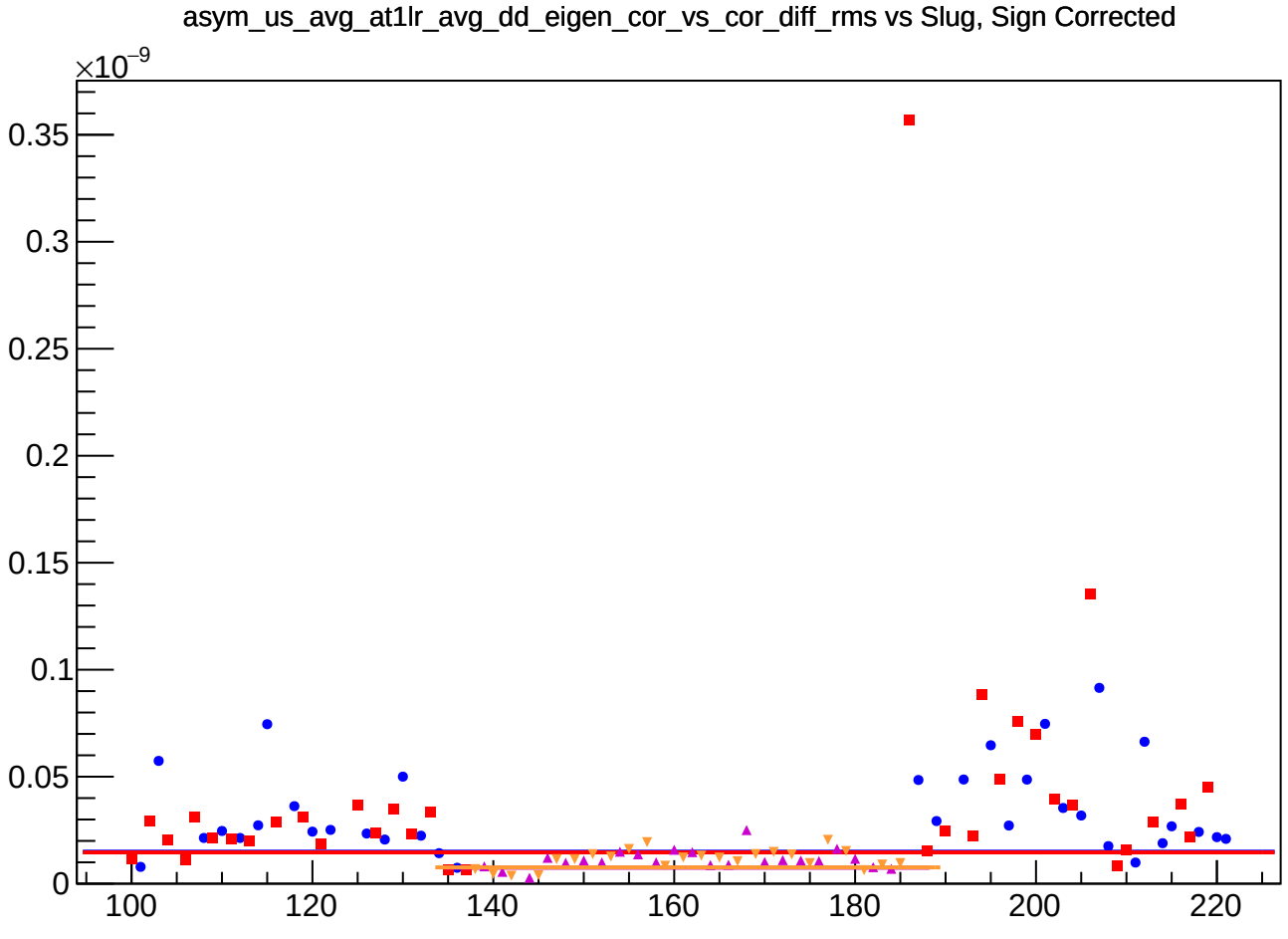
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 56.5/68

In: -0.000+/-0.000 χ^2/NDF:43.7/56

Out: 0.000+/-0.000 χ^2/NDF:53.4/58

All: -0.000+/-0.000 χ^2/NDF: 99.5/115



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: 9671222.2/34

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

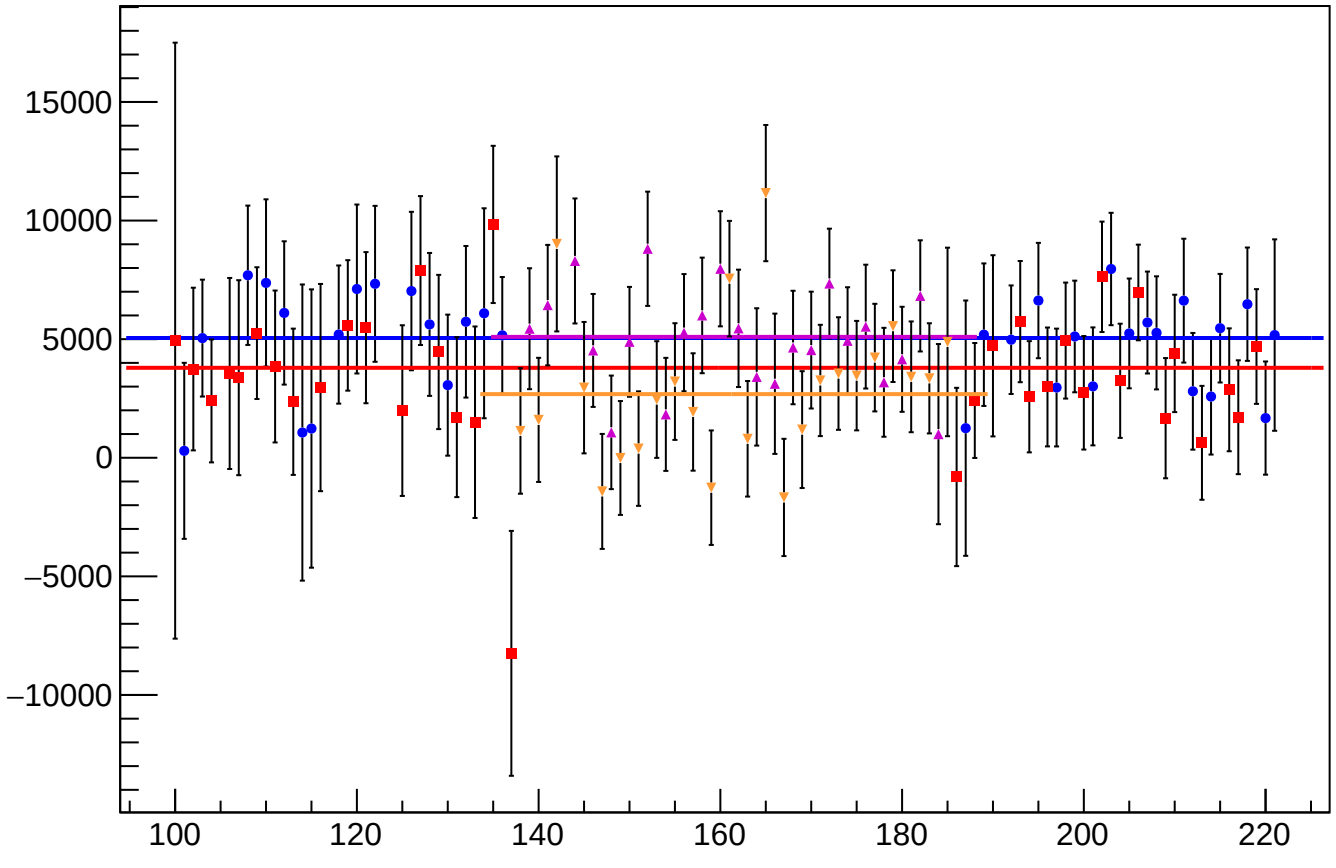
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 18320873.4/68

In: 0.000+/-0.000 χ^2/NDF:18029328.0/56

Out: 0.000+/-0.000 χ^2/NDF:18013483.9/58

All: 0.000+/-0.000 χ^2/NDF: 36042826.1/115



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: 3792.550+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

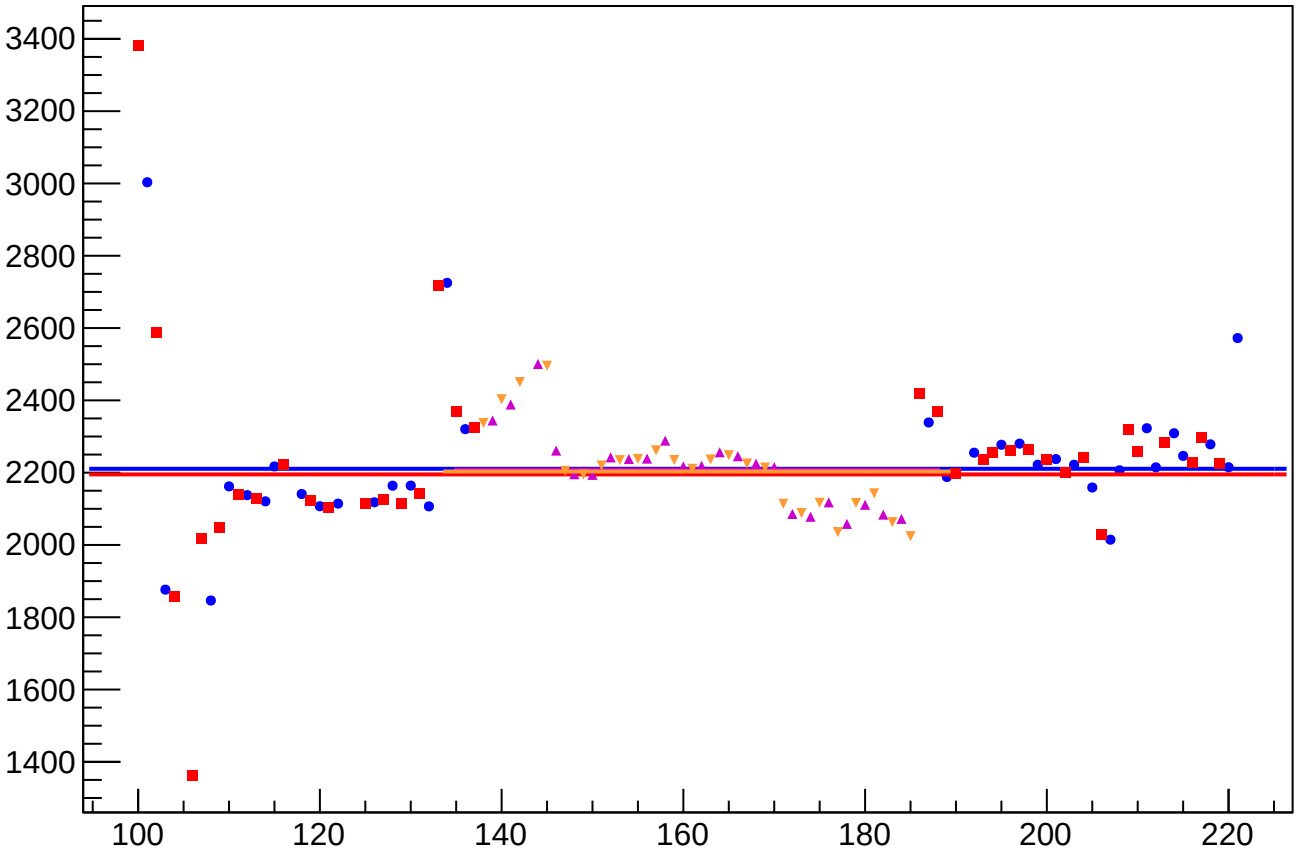
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4428.249+/-340.461 χ^2/NDF: 42.6/68

In: 5071.036+/-351.005 χ^2/NDF:29.1/56

Out: 3268.521+/-351.857 χ^2/NDF:58.3/58

All: 4171.962+/-248.499 χ^2/NDF: 100.5/115



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: 2195.157+/-0.340 χ^2/NDF: 340644.2/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

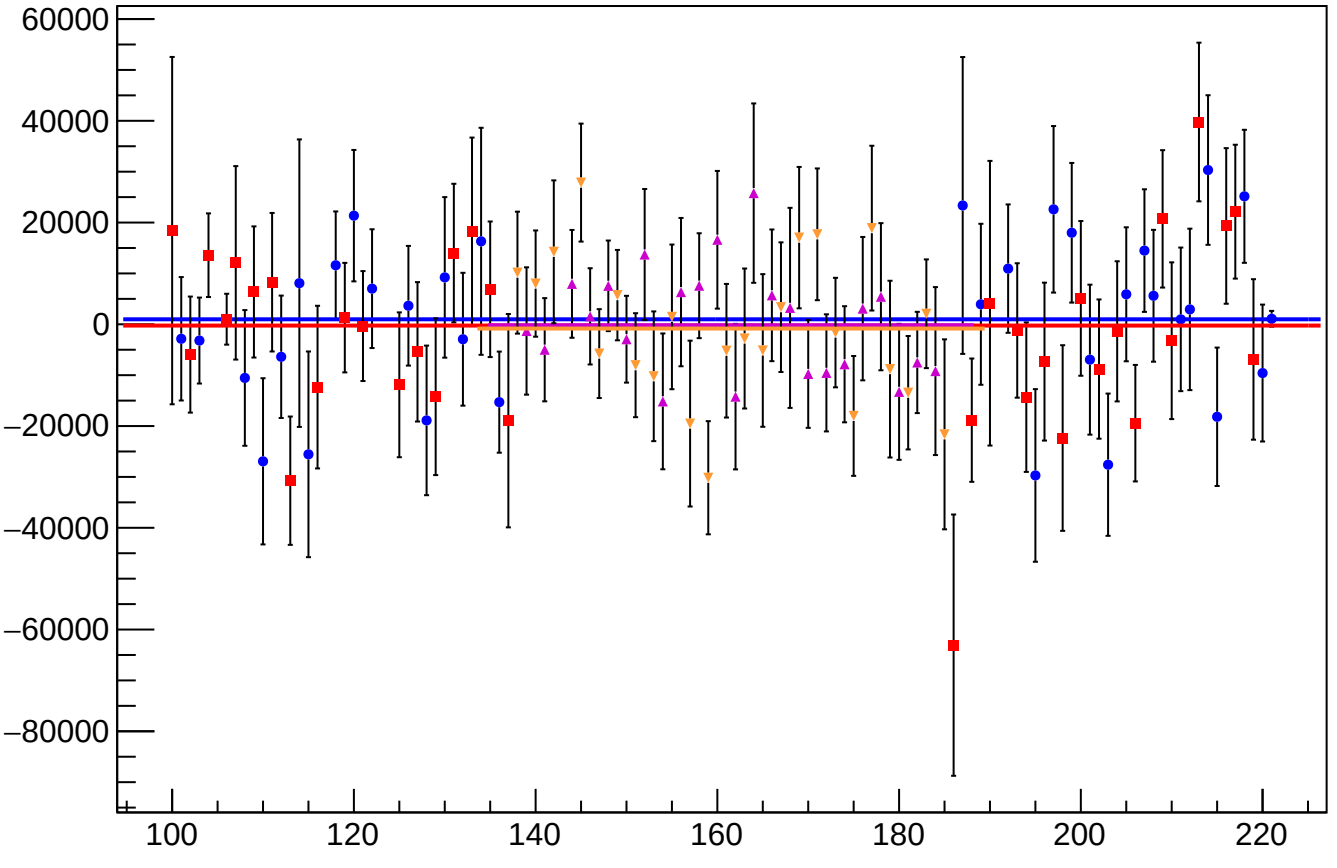
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2202.964+/-0.240 χ^2/NDF: 590826.6/68

In: 2209.616+/-0.248 χ^2/NDF:330152.7/56

Out: 2198.977+/-0.248 χ^2/NDF:429120.8/58

All: 2204.293+/-0.175 χ^2/NDF: 760192.8/115



Right In: 984.049+/-1294.443 χ^2/NDF: 39.1/33

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -248.505+/-2165.905 χ^2/NDF: 43.8/34

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

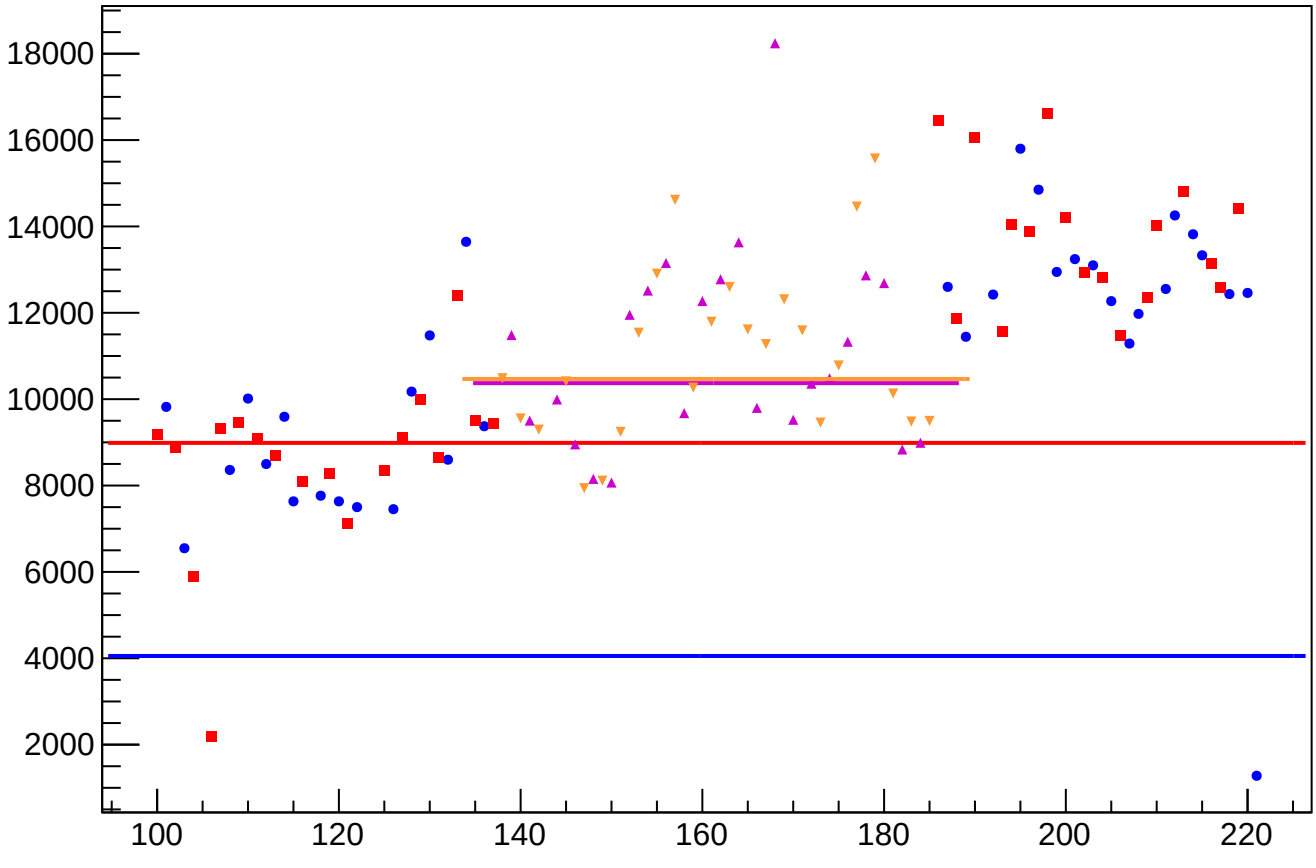
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

Right: 659.668+/-1111.128 χ^2/NDF: 83.2/68

In: 732.906+/-1146.660 χ^2/NDF:53.1/56

Out: -501.456+/-1631.762 χ^2/NDF:73.3/58

All: 324.864+/-938.183 χ^2/NDF: 126.8/115



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: 8987.895+/-1.532 χ^2/NDF: 7227601.6/34

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

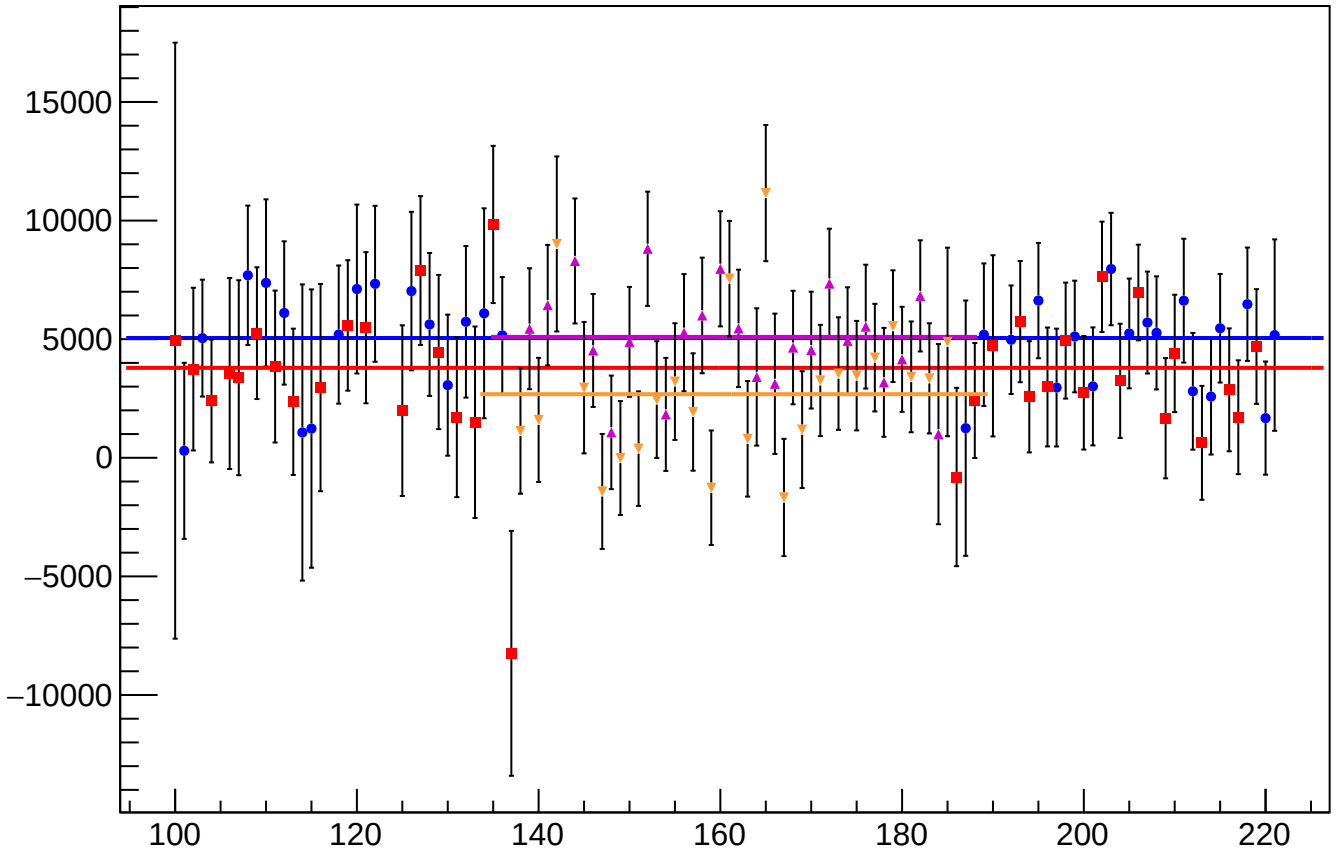
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 5351.643+/-0.786 χ^2/NDF: 38512989.3/68

In: 5413.127+/-0.811 χ^2/NDF:35096823.5/56

Out: 9628.200+/-1.154 χ^2/NDF:8677089.4/58

All: 6806.498+/-0.663 χ^2/NDF: 52707643.2/



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: 3792.508+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

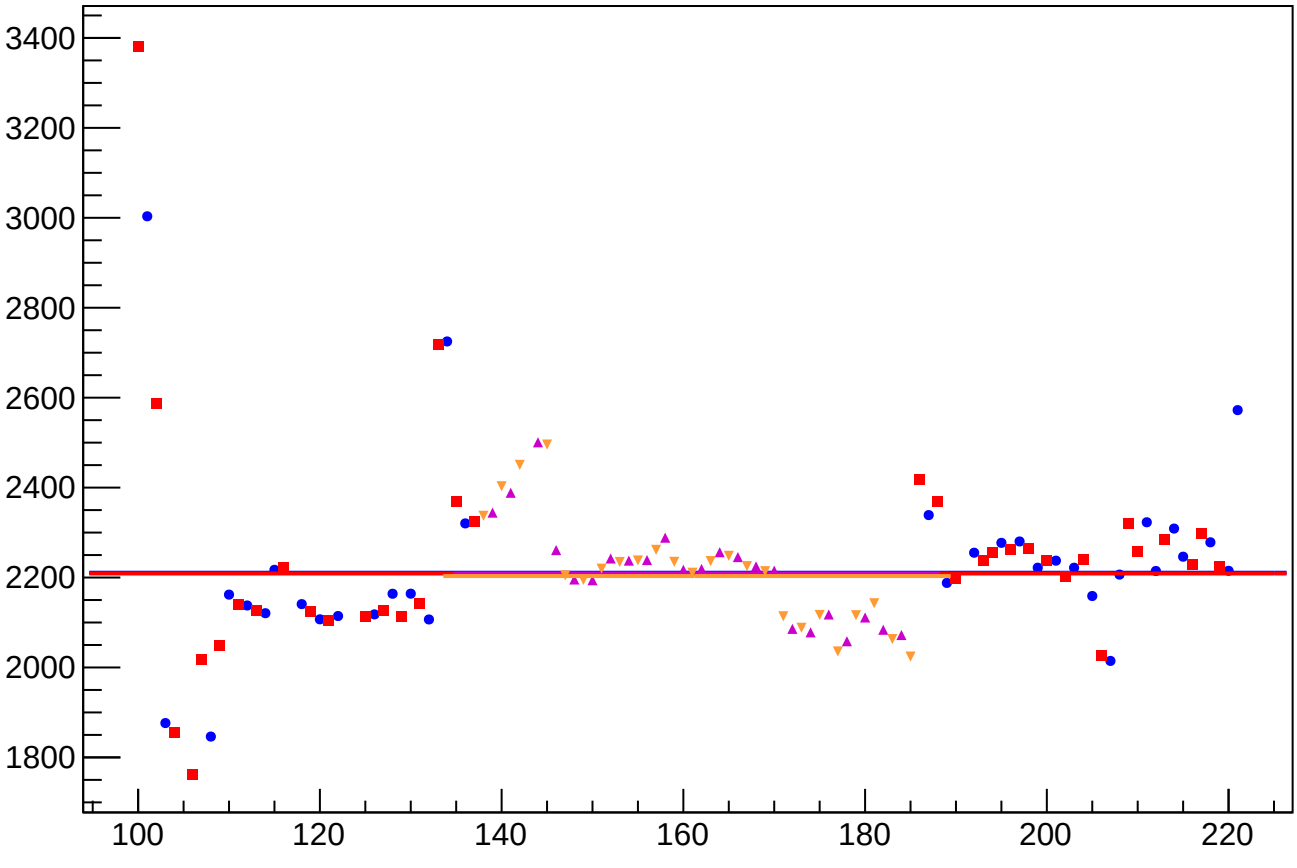
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4428.233+/-340.461 χ^2/NDF: 42.6/68

In: 5070.998+/-351.005 χ^2/NDF:29.1/56

Out: 3268.462+/-351.857 χ^2/NDF:58.3/58

All: 4171.913+/-248.499 χ^2/NDF: 100.5/115



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: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

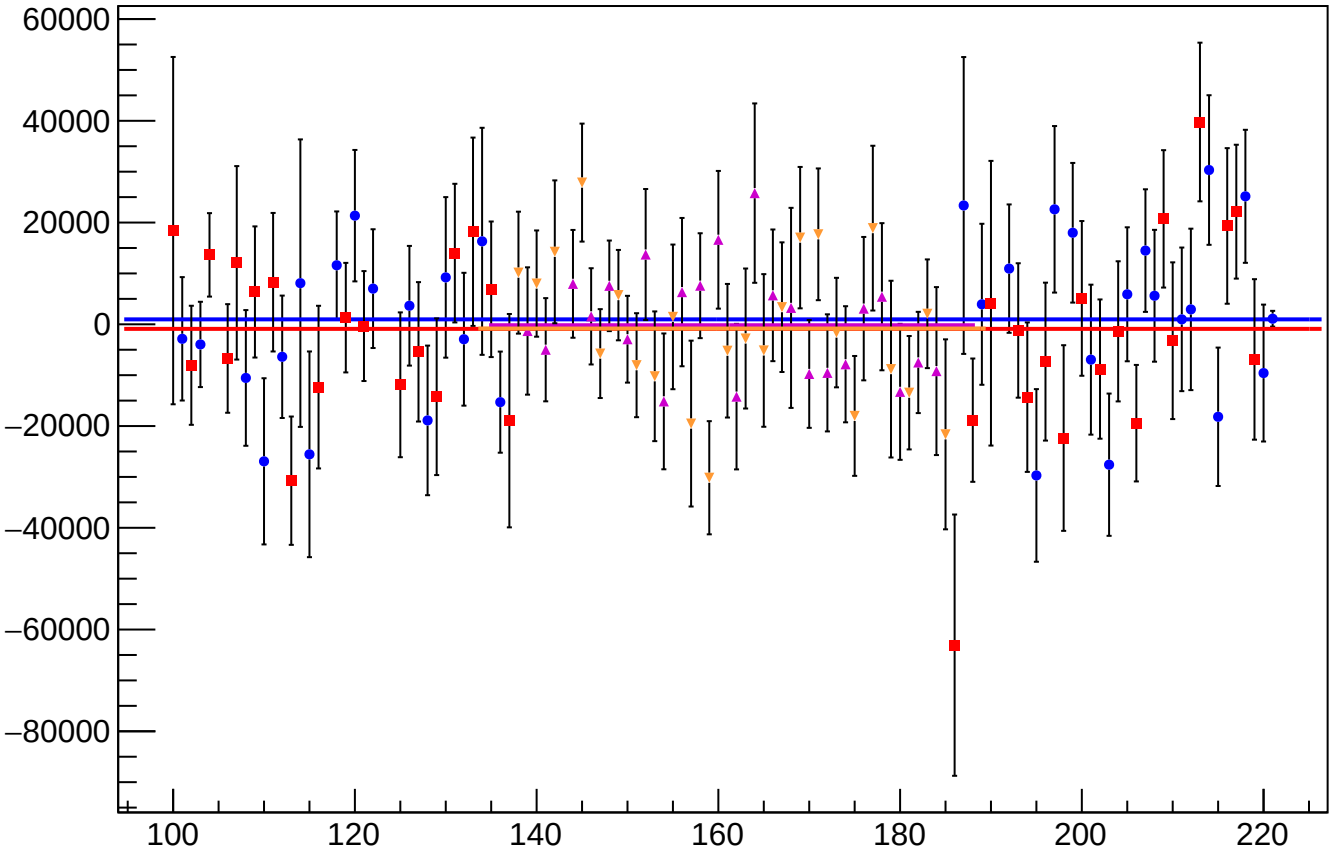
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2209.854+/-0.241 χ^2/NDF: 462994.7/68

In: 2209.616+/-0.248 χ^2/NDF:330153.1/56

Out: 2206.318+/-0.249 χ^2/NDF:302185.4/58

All: 2207.970+/-0.176 χ^2/NDF: 632426.6/115



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: -898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

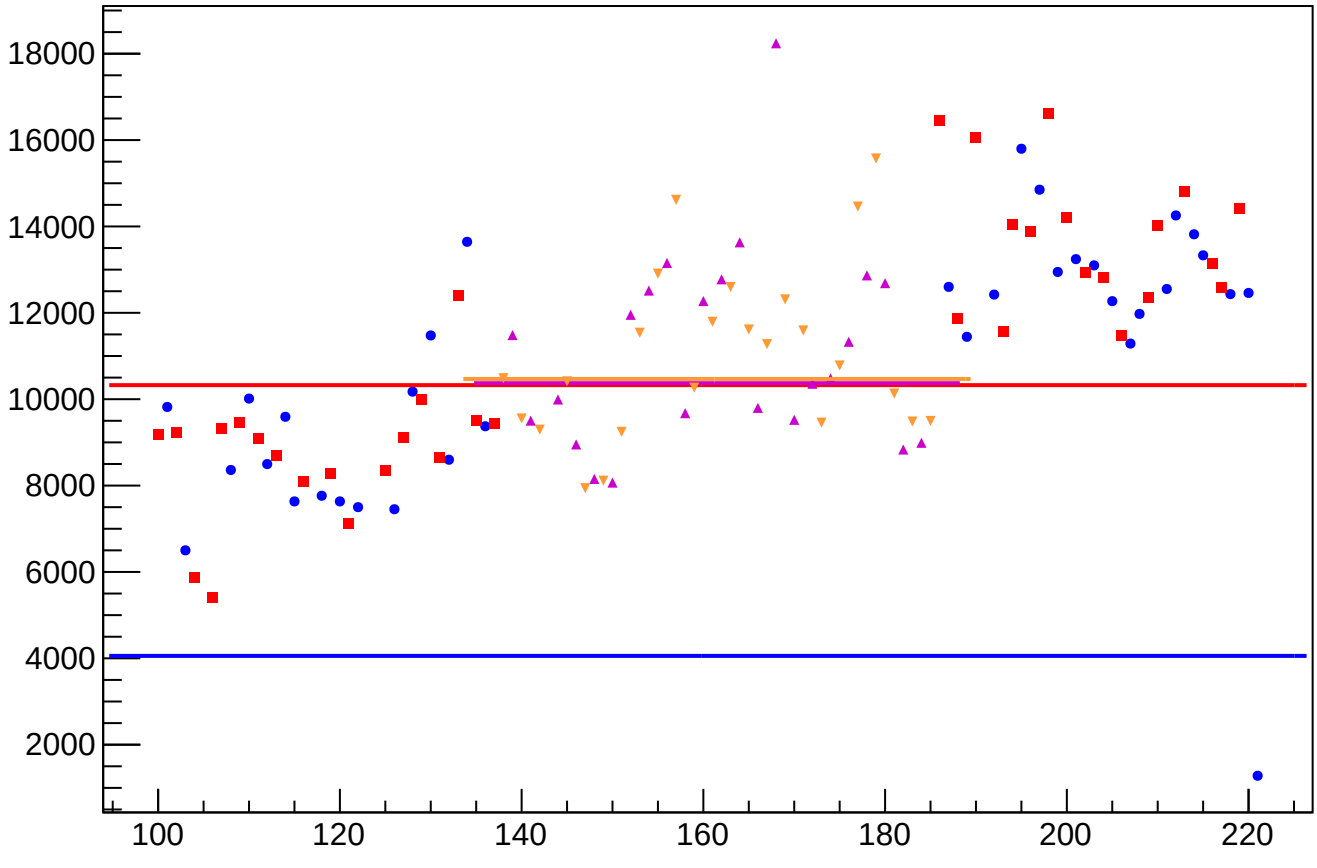
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: 534.894+/-1133.703 χ^2/NDF: 84.0/68

In: 722.799+/-1146.956 χ^2/NDF:53.2/56

Out: -867.644+/-1704.927 χ^2/NDF:73.7/58

All: 227.276+/-951.654 χ^2/NDF: 127.5/115



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: 10325.502+/-1.659 χ^2/NDF: 3100705.5/34

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

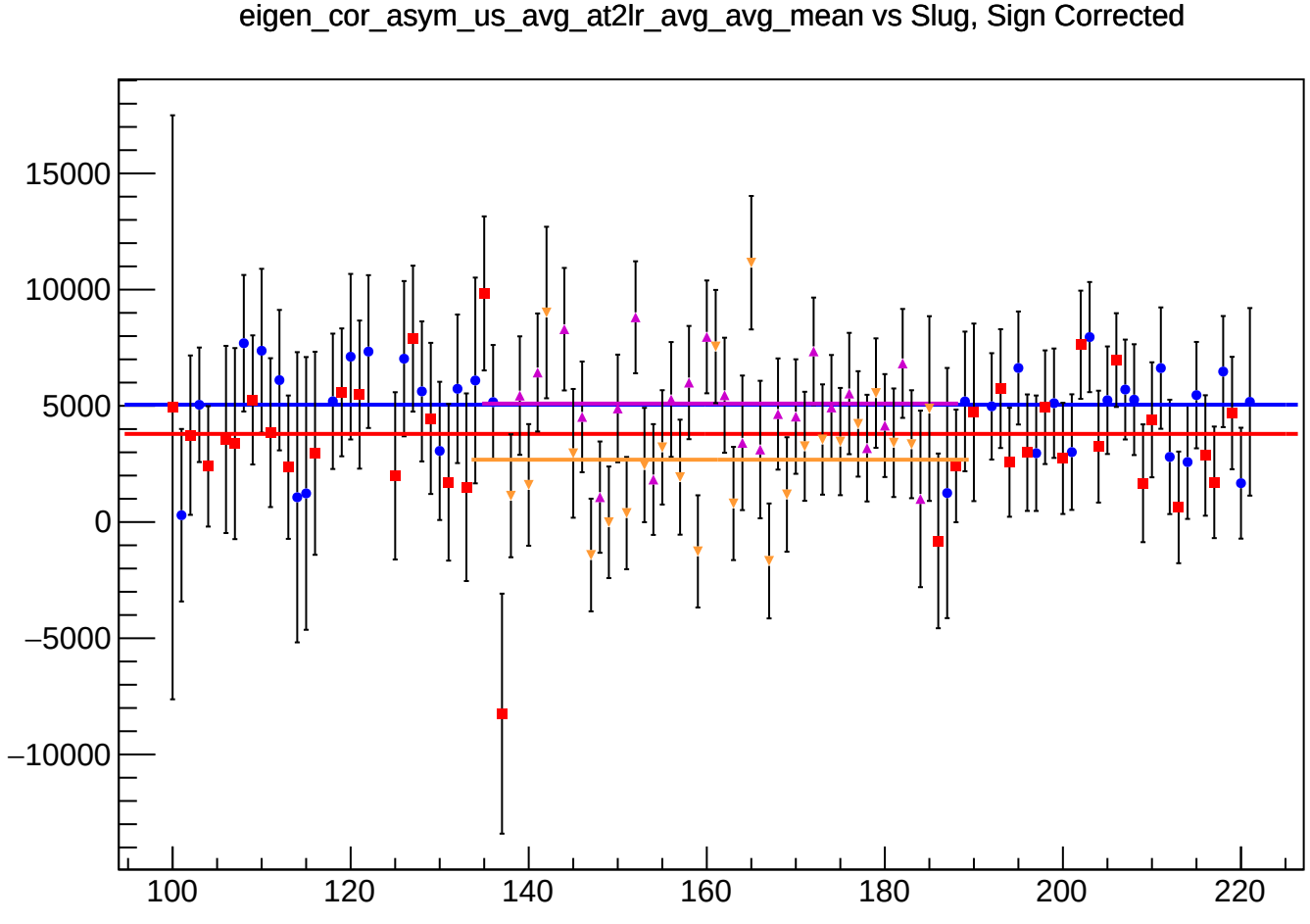
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 5519.876+/-0.802 χ^2/NDF: 37659141.8/68

In: 5416.638+/-0.811 χ^2/NDF:35063835.0/56

Out: 10393.088+/-1.206 χ^2/NDF:4149479.1/58

All: 6967.117+/-0.673 χ^2/NDF: 50943951.3/1



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: 3792.508+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

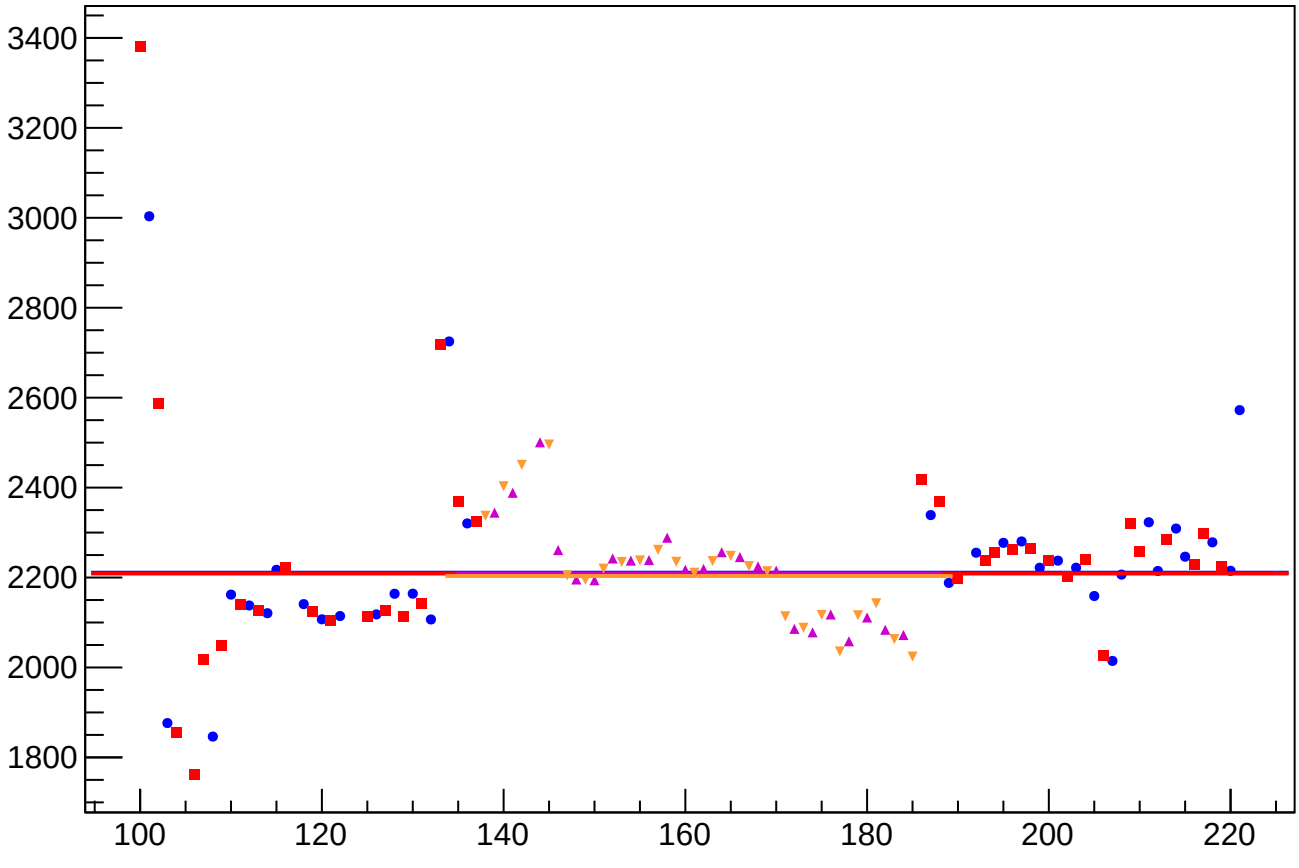
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4428.233+/-340.461 χ^2/NDF: 42.6/68

In: 5070.998+/-351.005 χ^2/NDF:29.1/56

Out: 3268.462+/-351.857 χ^2/NDF:58.3/58

All: 4171.913+/-248.499 χ^2/NDF: 100.5/115



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: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

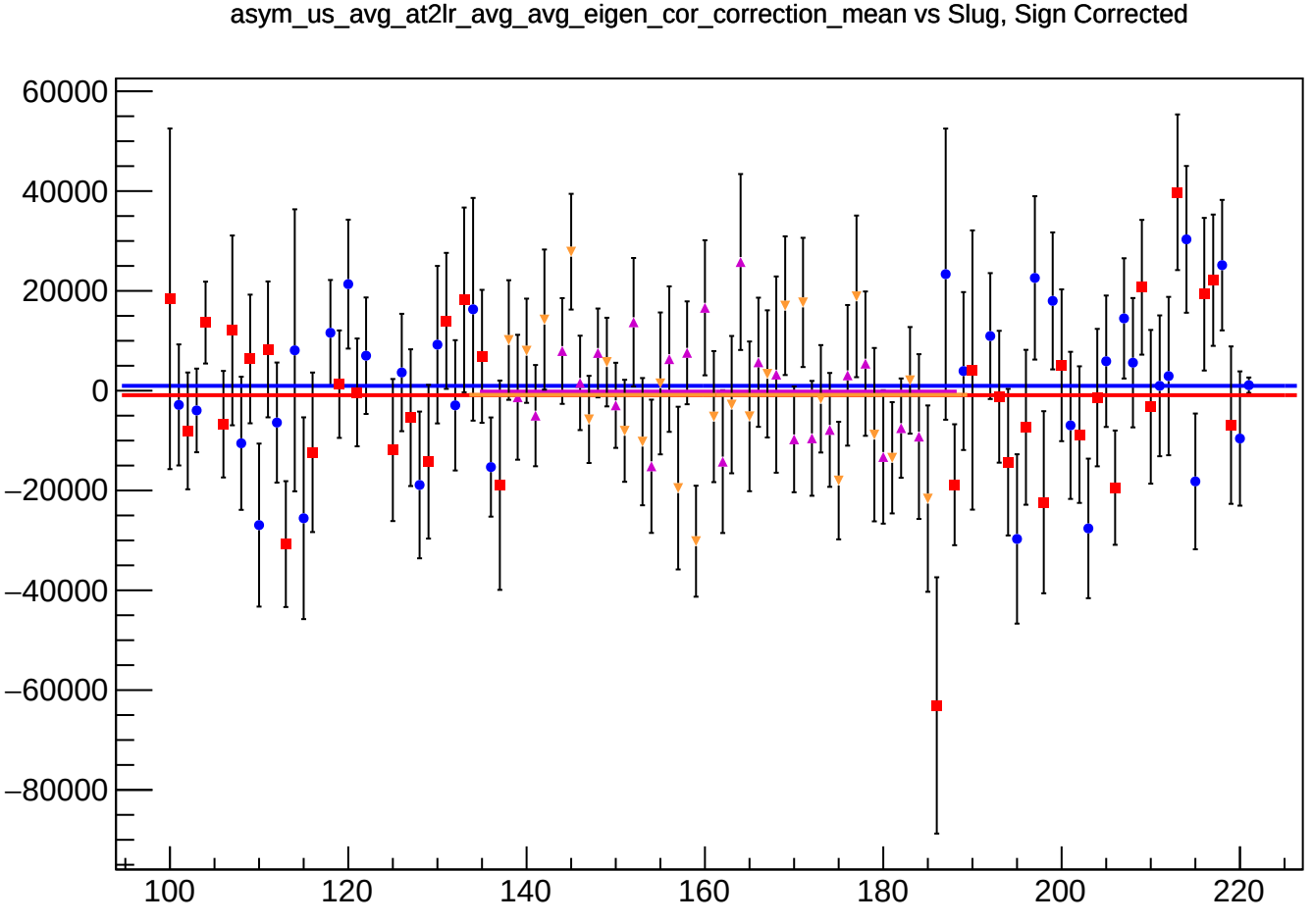
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2209.854+/-0.241 χ^2/NDF: 462994.7/68

In: 2209.616+/-0.248 χ^2/NDF:330153.1/56

Out: 2206.318+/-0.249 χ^2/NDF:302185.4/58

All: 2207.970+/-0.176 χ^2/NDF: 632426.6/115



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: -898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

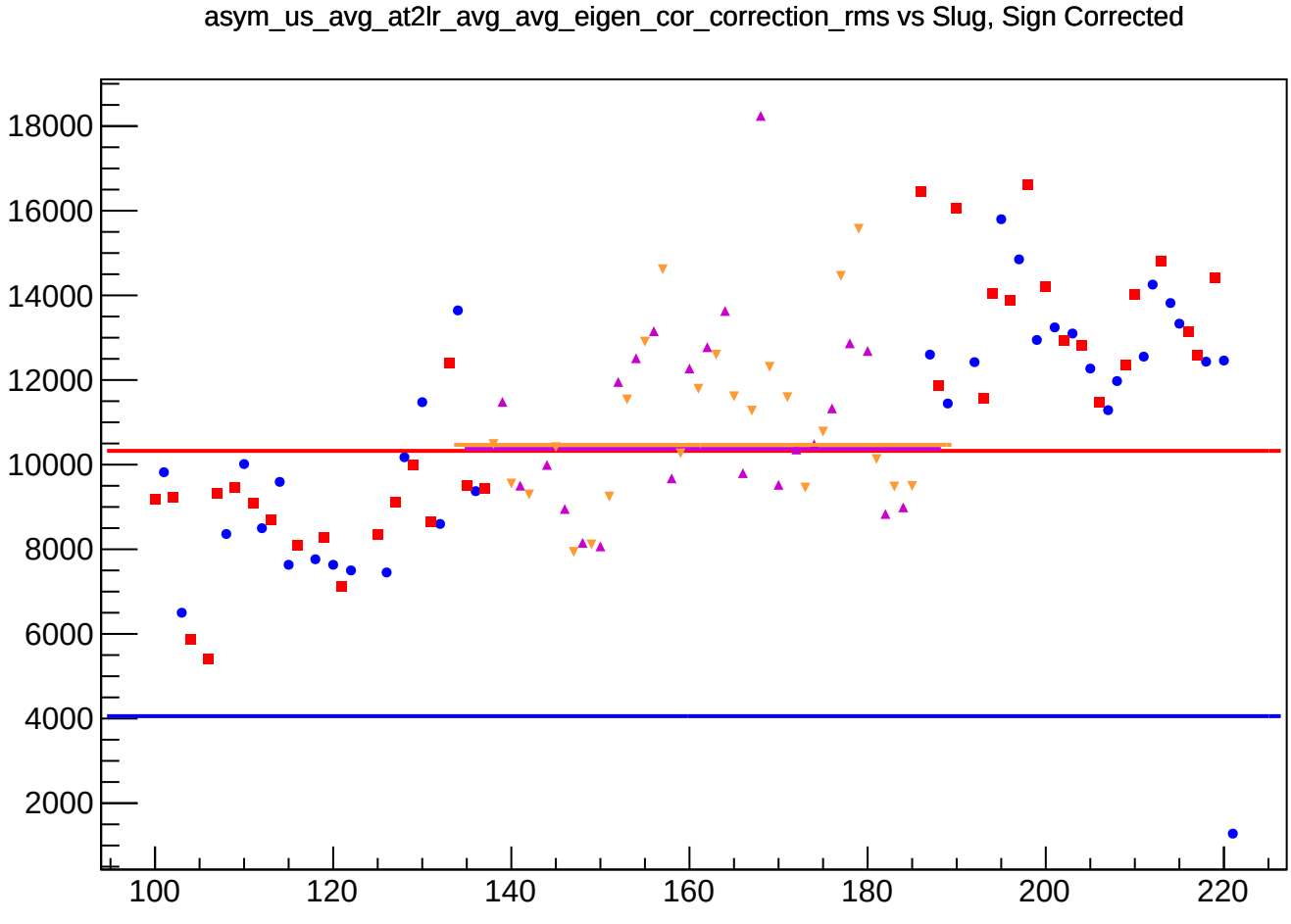
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

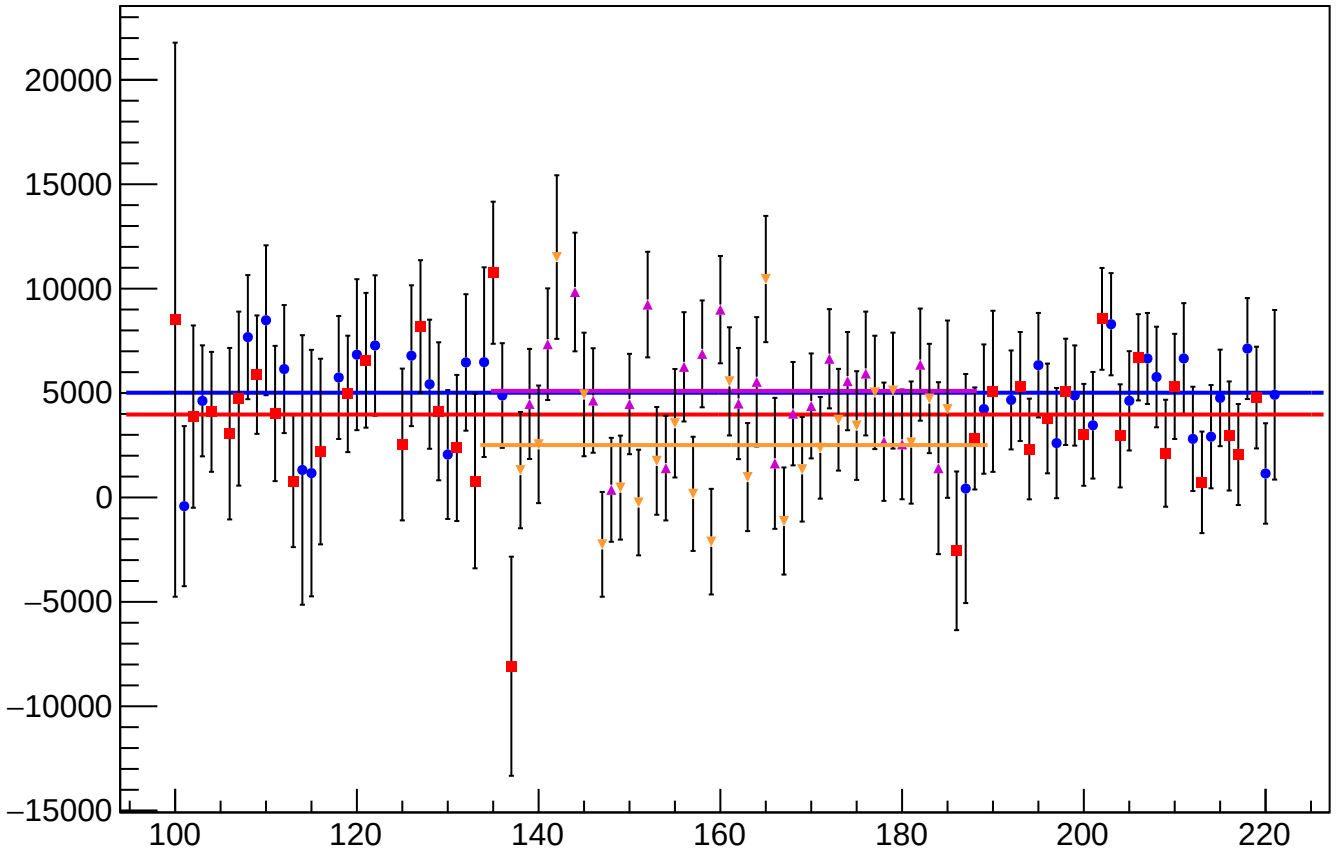
Right: 534.894+/-1133.703 χ^2/NDF: 84.0/68

In: 722.799+/-1146.956 χ^2/NDF:53.2/56

Out: -867.644+/-1704.927 χ^2/NDF:73.7/58

All: 227.276+/-951.654 χ^2/NDF: 127.5/115


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4056.426+/-0.916 χ²/NDF: 23614865.6/33
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 10325.502+/-1.659 χ²/NDF: 3100705.5/34
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 5519.876+/-0.802 χ²/NDF: 37659141.8/68
In: 5416.638+/-0.811 χ²/NDF:35063835.0/56
Out: 10393.088+/-1.206 χ²/NDF:4149479.1/58
All: 6967.117+/-0.673 χ²/NDF: 50943951.3/1



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: 3971.883+/-497.416 χ^2/NDF: 27.9/34

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

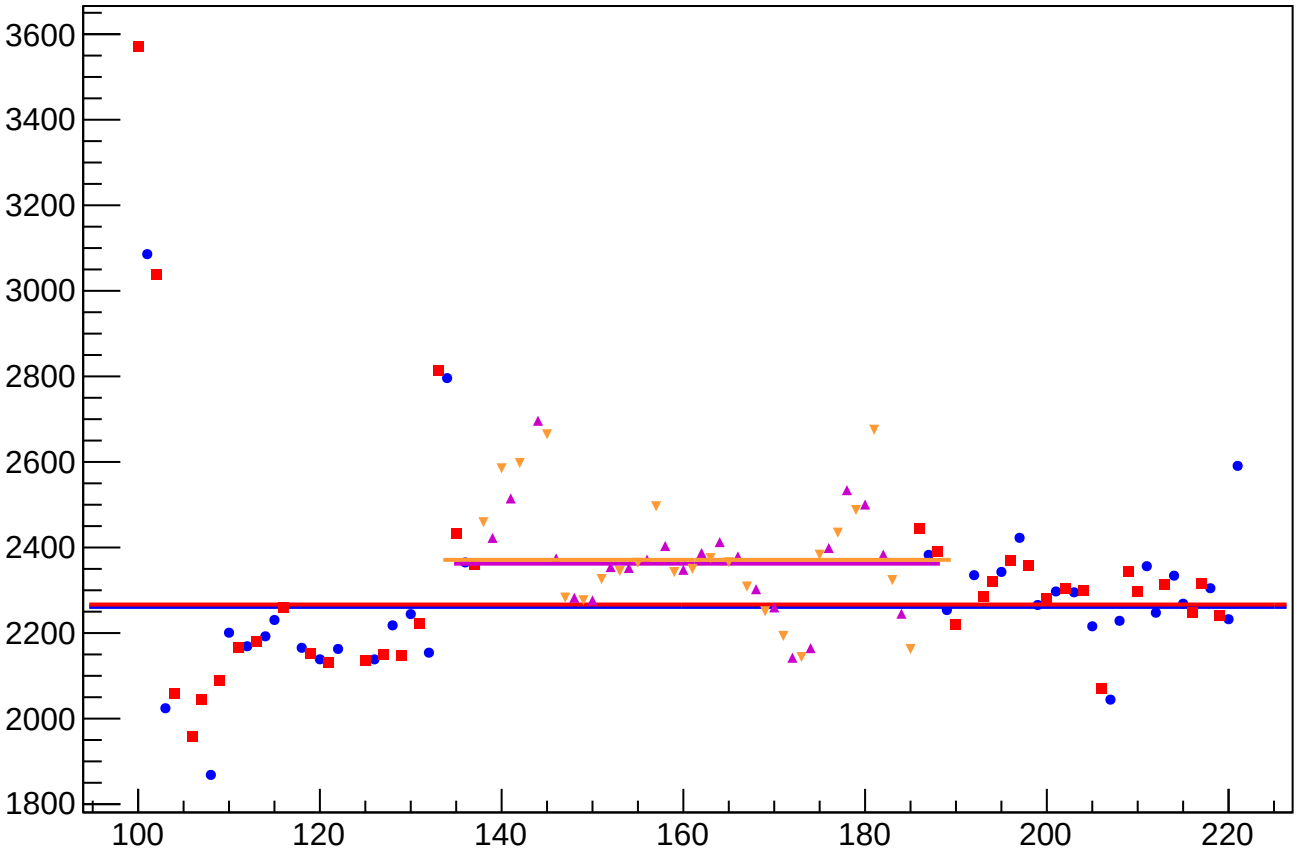
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4502.147+/-348.974 χ^2/NDF: 47.1/68

In: 5054.344+/-366.504 χ^2/NDF:36.9/56

Out: 3315.792+/-369.401 χ^2/NDF:61.5/58

All: 4191.913+/-260.176 χ^2/NDF: 109.6/115



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: 2266.702+/-0.352 χ^2/NDF: 215424.4/34

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

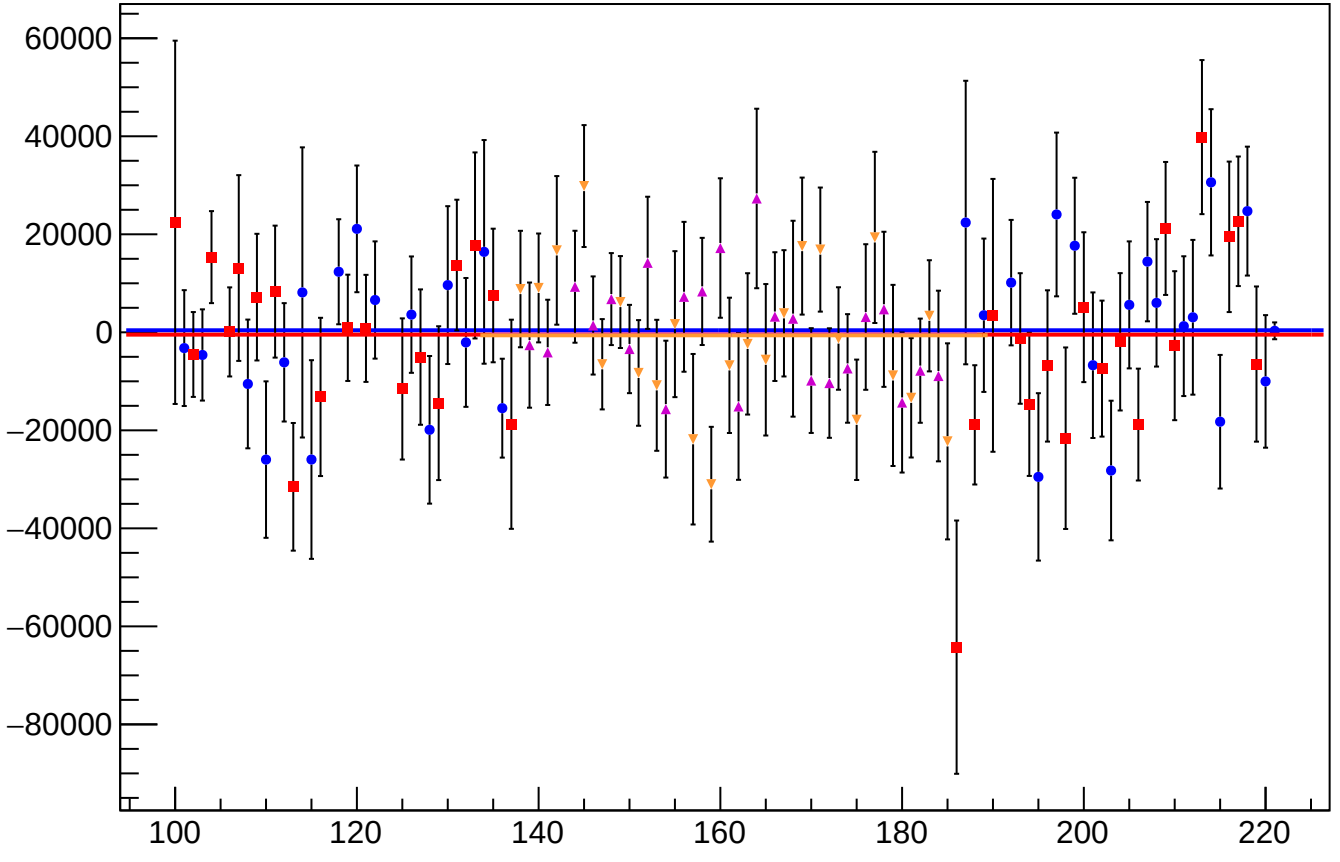
Right: 2263.895+/-0.247 χ^2/NDF: 456834.0/68

In: 2305.624+/-0.259 χ^2/NDF:370636.7/56

Out: 2313.528+/-0.261 χ^2/NDF:371268.0/58

All: 2309.545+/-0.184 χ^2/NDF: 742366.2/115

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: -474.121+/-2321.630 χ^2/NDF: 43.5/34

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

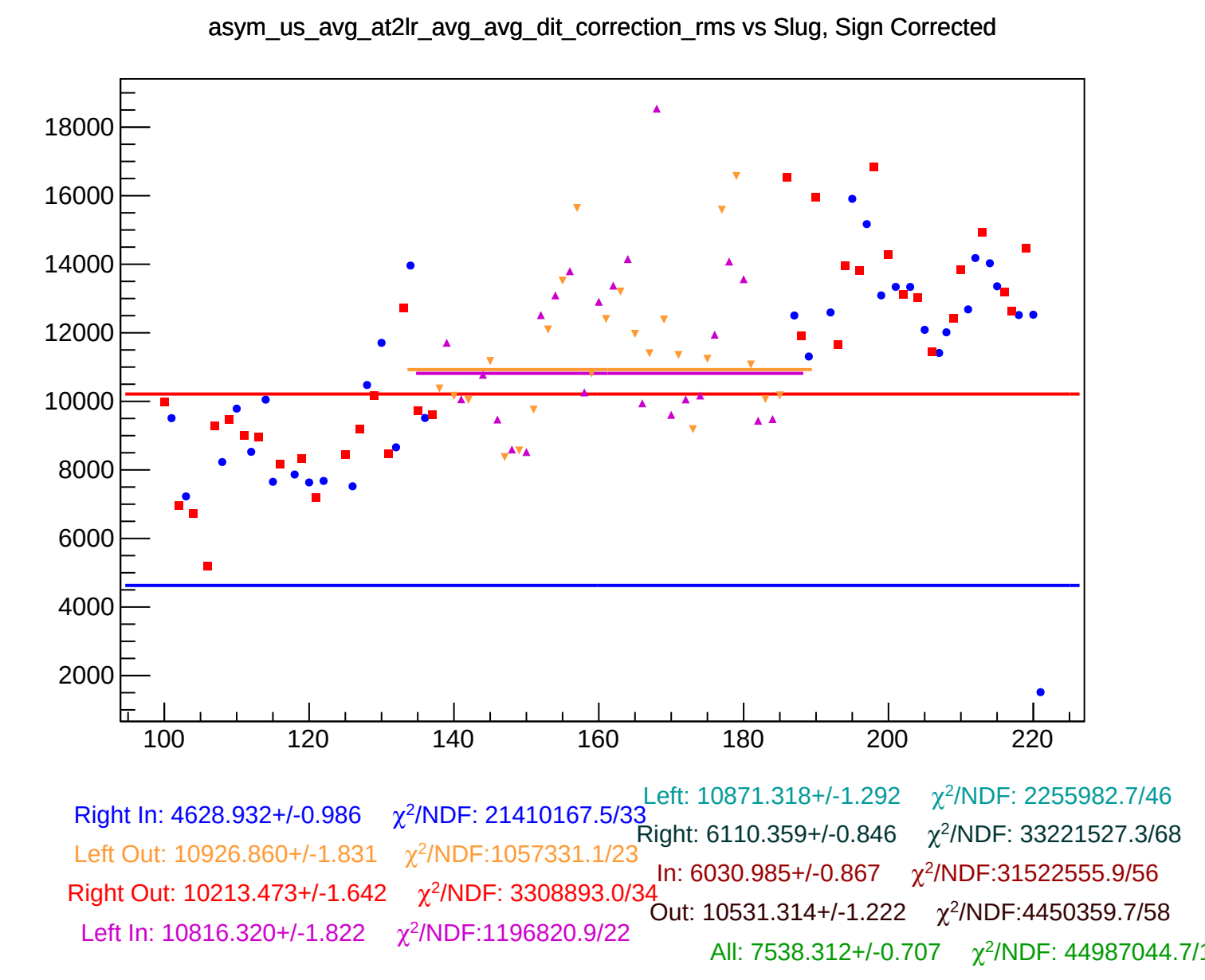
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

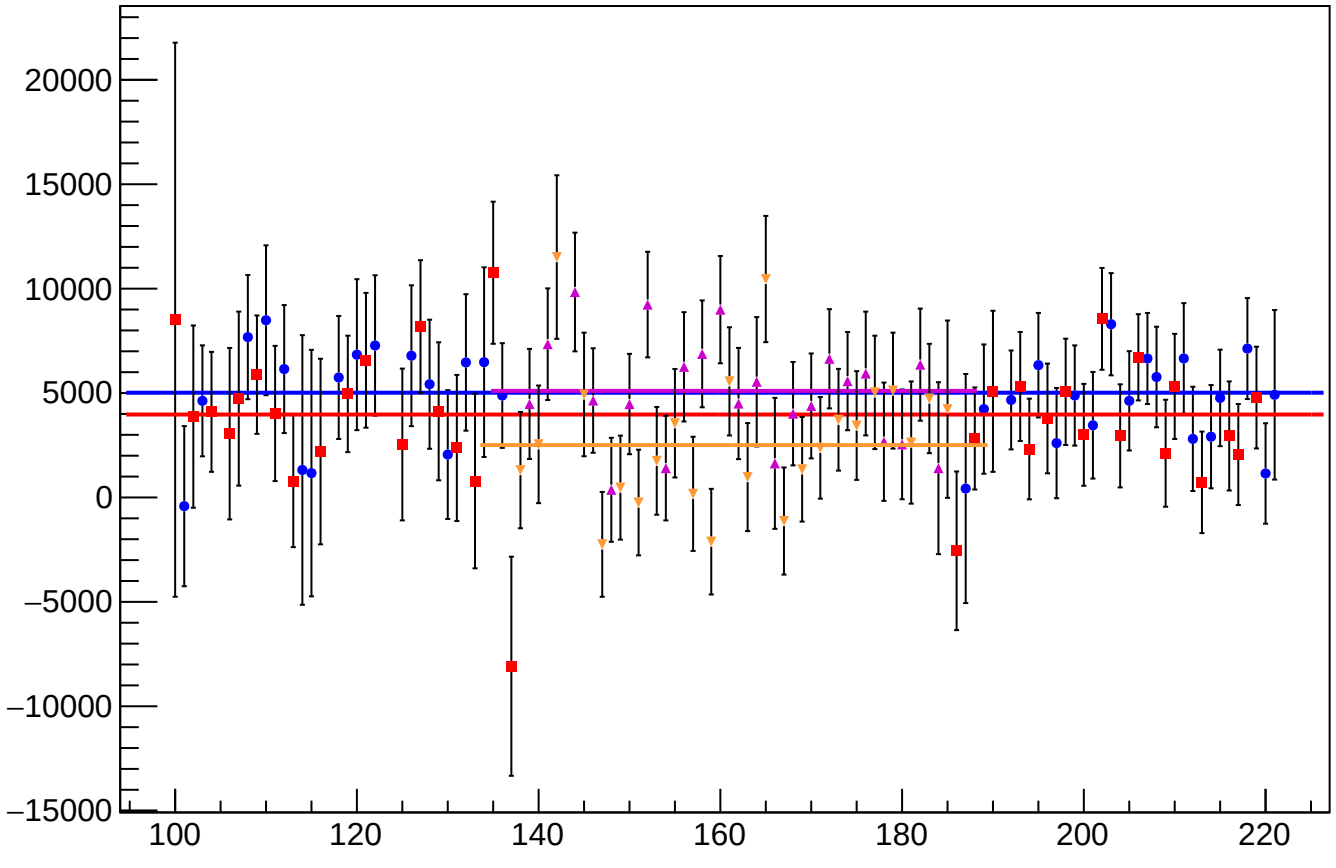
Right: 177.882+/-1195.748 χ^2/NDF: 82.6/68

In: 208.594+/-1226.815 χ^2/NDF:52.6/56

Out: -533.895+/-1728.736 χ^2/NDF:72.4/58

All: -40.093+/-1000.484 χ^2/NDF: 125.1/115


asym_us_avg_at2lr_avg_avg_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: 4628.932+/-0.986 χ²/NDF: 21410167.5/33
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 10213.473+/-1.642 χ²/NDF: 3308893.0/34
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 6110.359+/-0.846 χ²/NDF: 33221527.3/68
In: 6030.985+/-0.867 χ²/NDF:31522555.9/56
Out: 10531.314+/-1.222 χ²/NDF:4450359.7/58
All: 7538.312+/-0.707 χ²/NDF: 44987044.7/



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: 3971.882+/-497.416 χ^2/NDF: 27.9/34

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

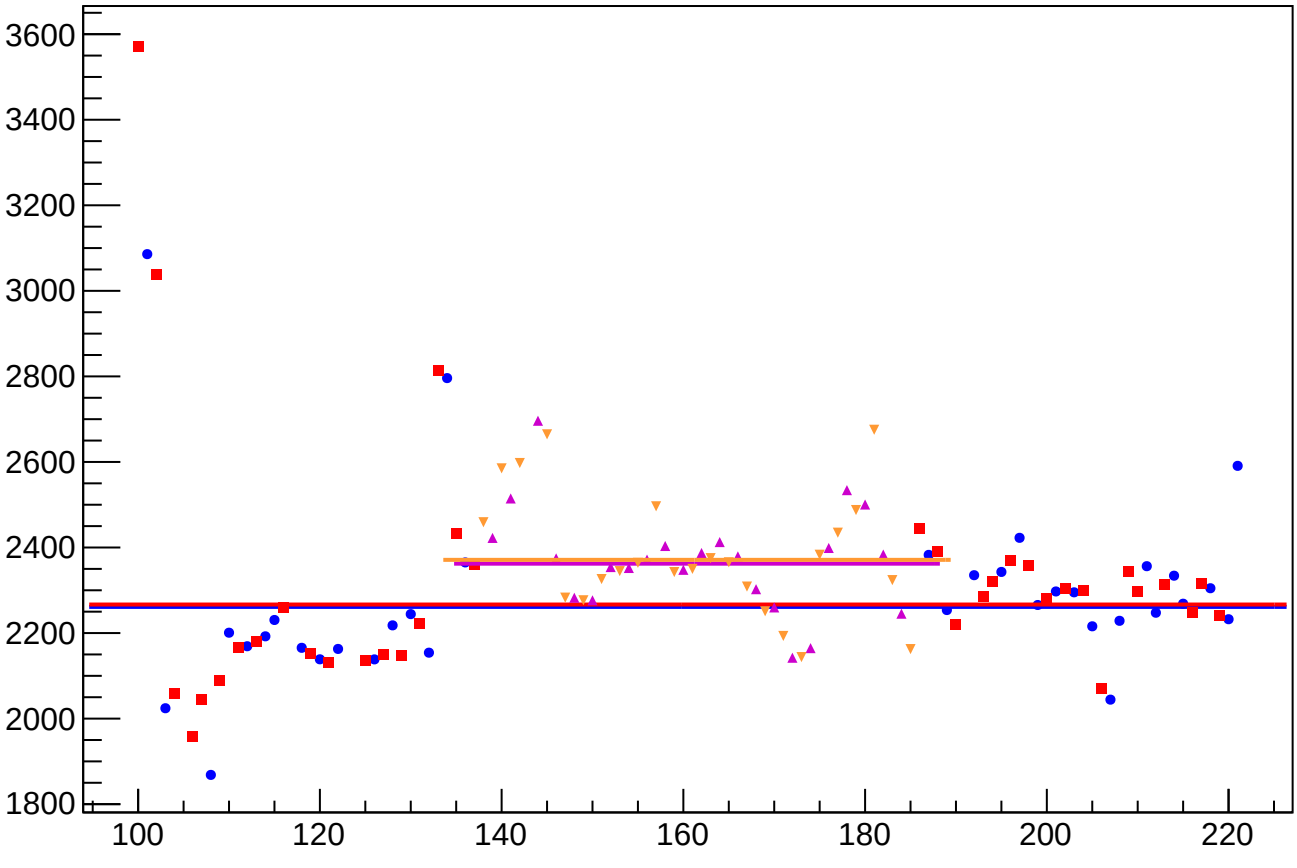
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4502.144+/-348.974 χ^2/NDF: 47.1/68

In: 5054.341+/-366.504 χ^2/NDF:36.9/56

Out: 3315.787+/-369.402 χ^2/NDF:61.5/58

All: 4191.909+/-260.176 χ^2/NDF: 109.6/115



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: 2266.701+/-0.352 χ^2/NDF: 215424.9/34

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

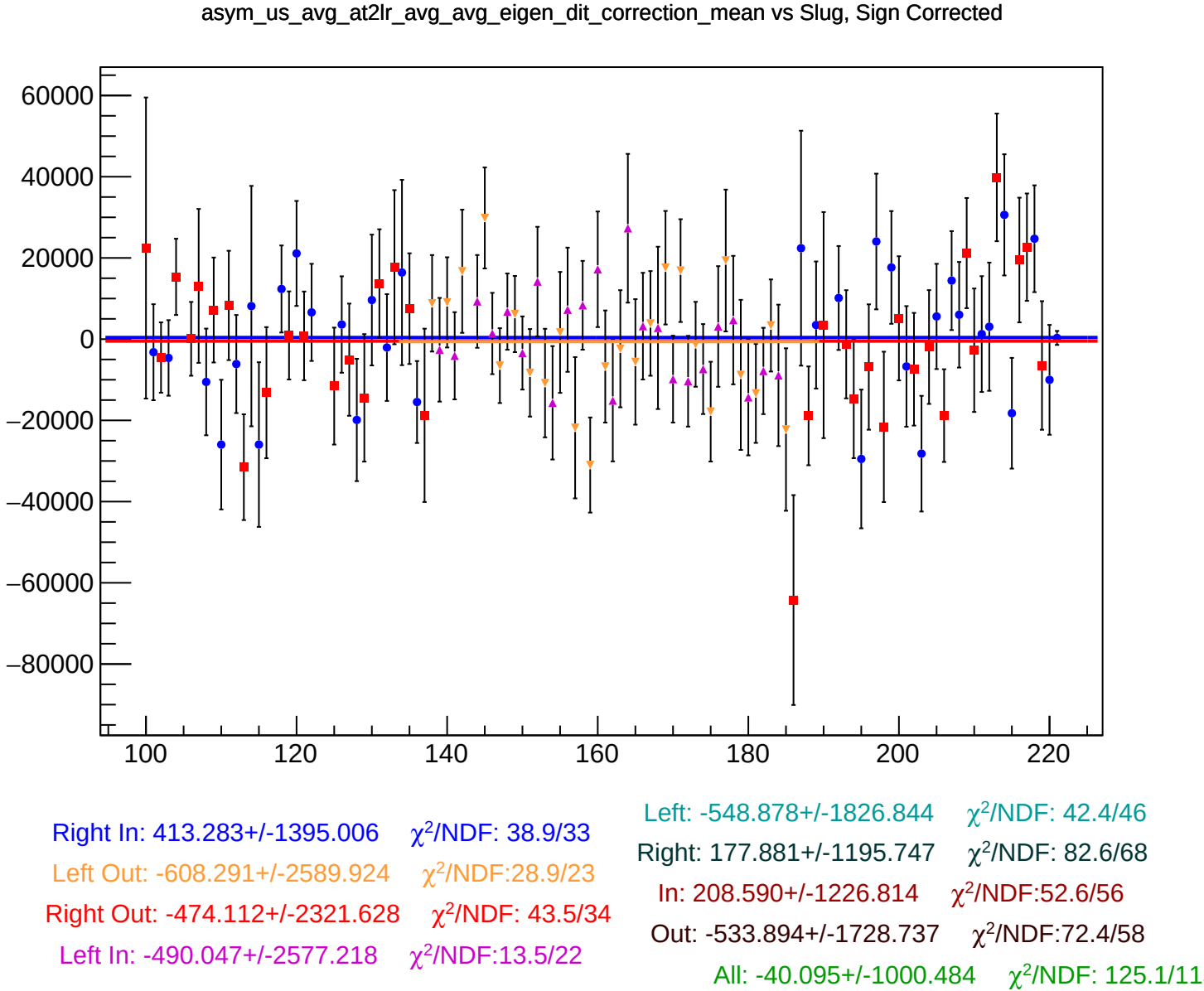
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2263.895+/-0.247 χ^2/NDF: 456834.8/68

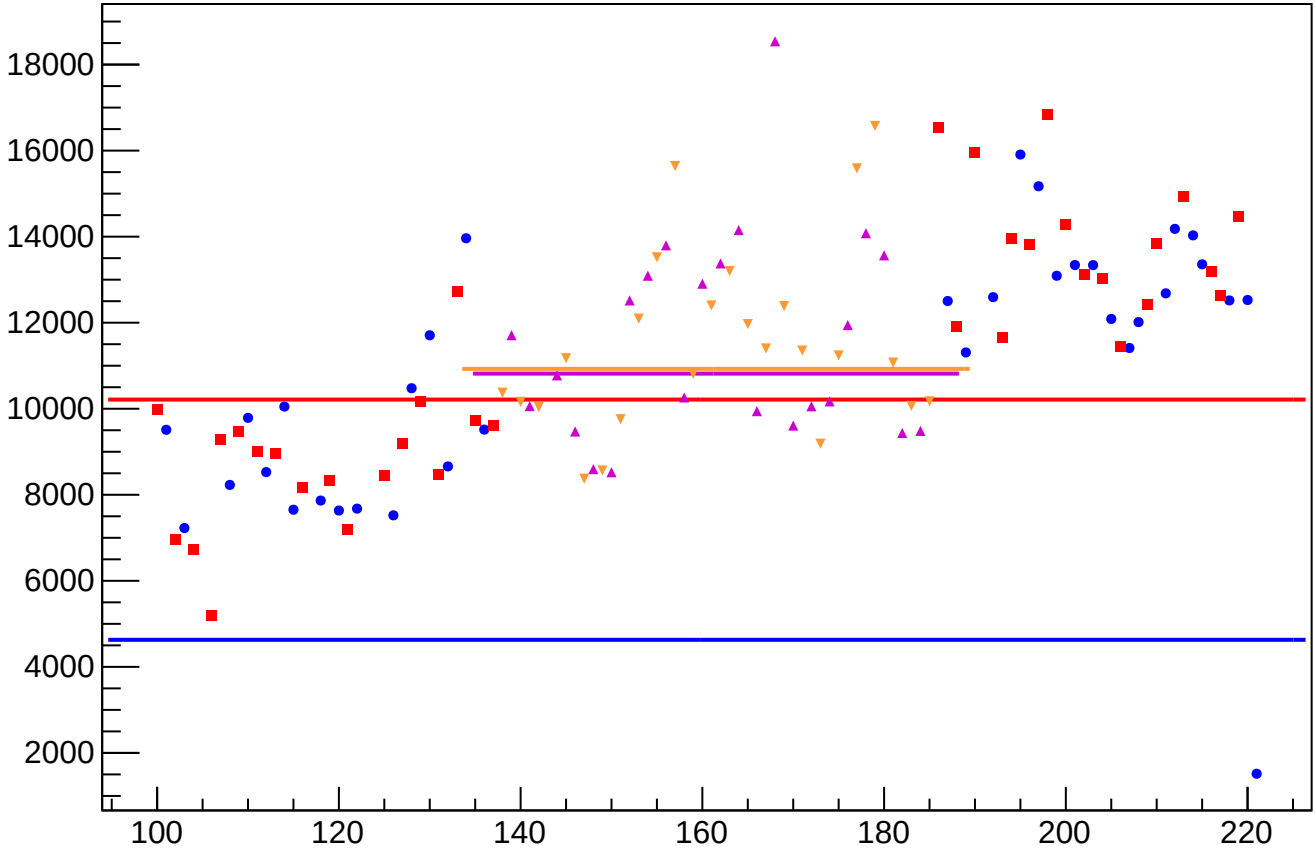
In: 2305.625+/-0.259 χ^2/NDF:370644.2/56

Out: 2313.529+/-0.261 χ^2/NDF:371275.3/58

All: 2309.547+/-0.184 χ^2/NDF: 742381.0/115


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 413.283+/-1395.006 χ²/NDF: 38.9/33
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: -474.112+/-2321.628 χ²/NDF: 43.5/34
Left In: -490.047+/-2577.218 χ²/NDF:13.5/22
Left: -548.878+/-1826.844 χ²/NDF: 42.4/46
Right: 177.881+/-1195.747 χ²/NDF: 82.6/68
In: 208.590+/-1226.814 χ²/NDF:52.6/56
Out: -533.894+/-1728.737 χ²/NDF:72.4/58
All: -40.095+/-1000.484 χ²/NDF: 125.1/115

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4628.926+/-0.986 χ^2/NDF: 21410191.6/33

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 10213.461+/-1.642 χ^2/NDF: 3308924.0/34

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

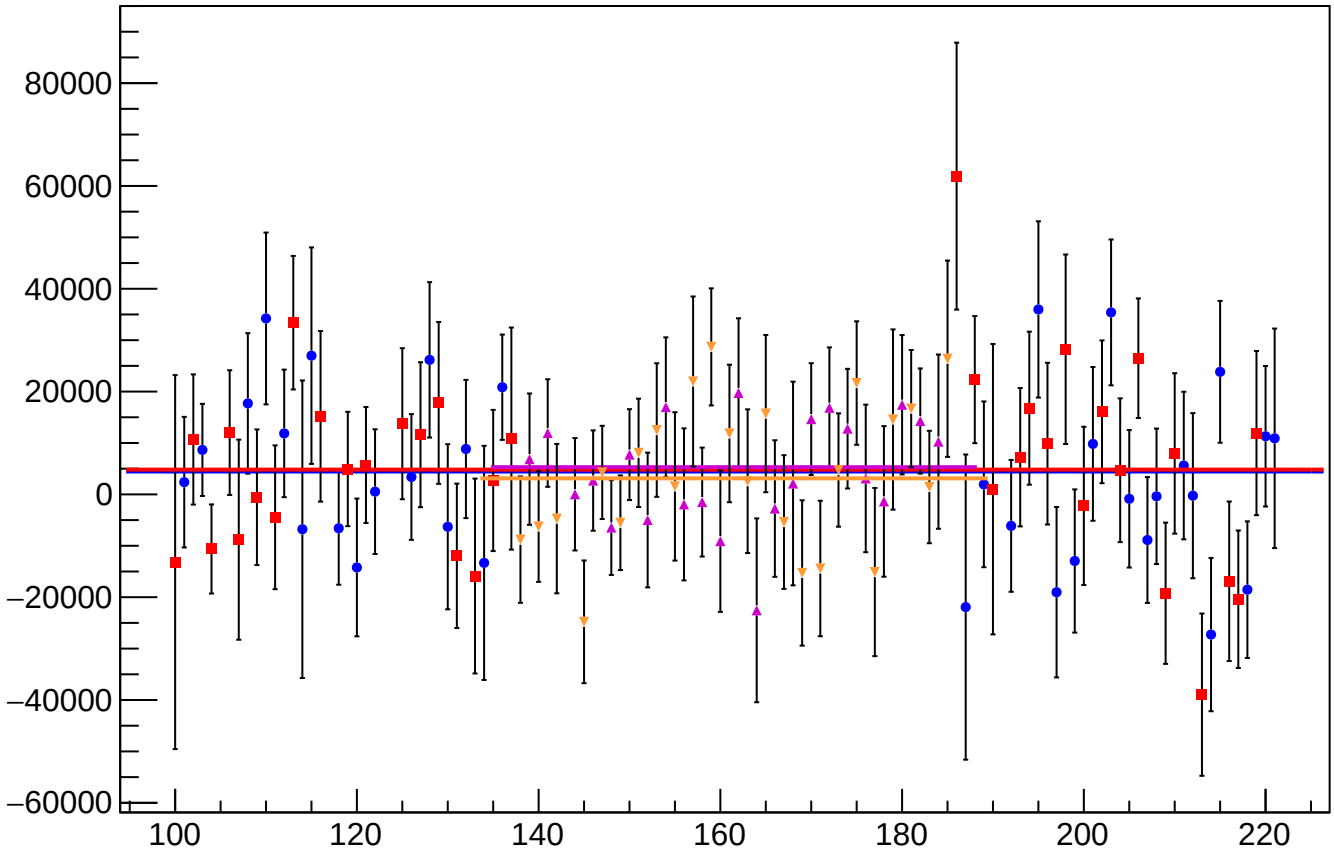
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 6110.352+/-0.846 χ^2/NDF: 33221577.1/68

In: 6030.979+/-0.867 χ^2/NDF:31522630.1/56

Out: 10531.315+/-1.222 χ^2/NDF:4450400.1/58

All: 7538.307+/-0.707 χ^2/NDF: 44987182.3/



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: 4817.878+/-2422.519 χ^2/NDF: 44.4/34

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

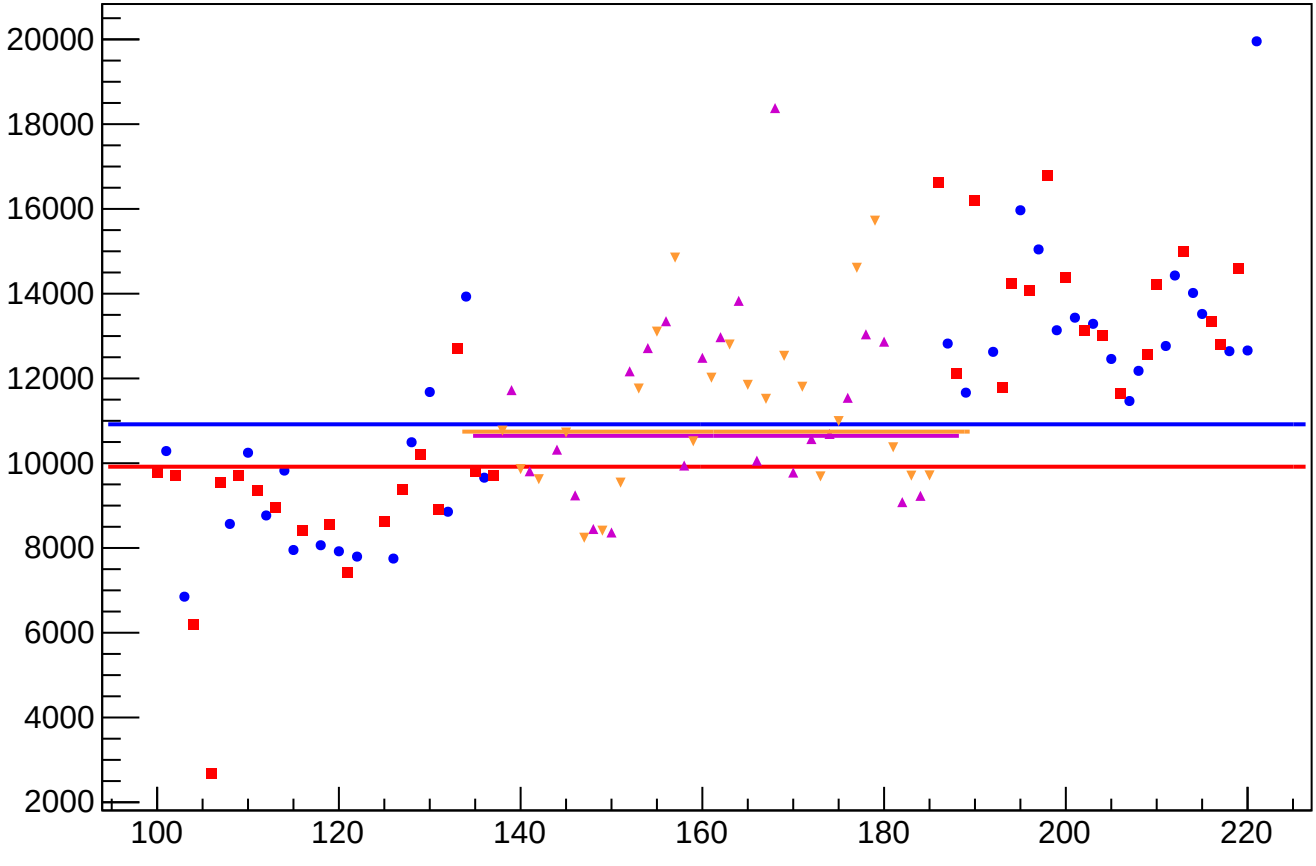
Right: 4633.782+/-1707.595 χ^2/NDF: 84.0/68

In: 4850.035+/-1744.986 χ^2/NDF:53.0/56

Out: 4009.664+/-1753.979 χ^2/NDF:72.1/58

All: 4432.009+/-1237.058 χ^2/NDF: 125.2/115

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 10917.841+/-1.702 χ^2/NDF: 2471003.4/33

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 9917.408+/-1.641 χ^2/NDF: 5049657.8/34

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

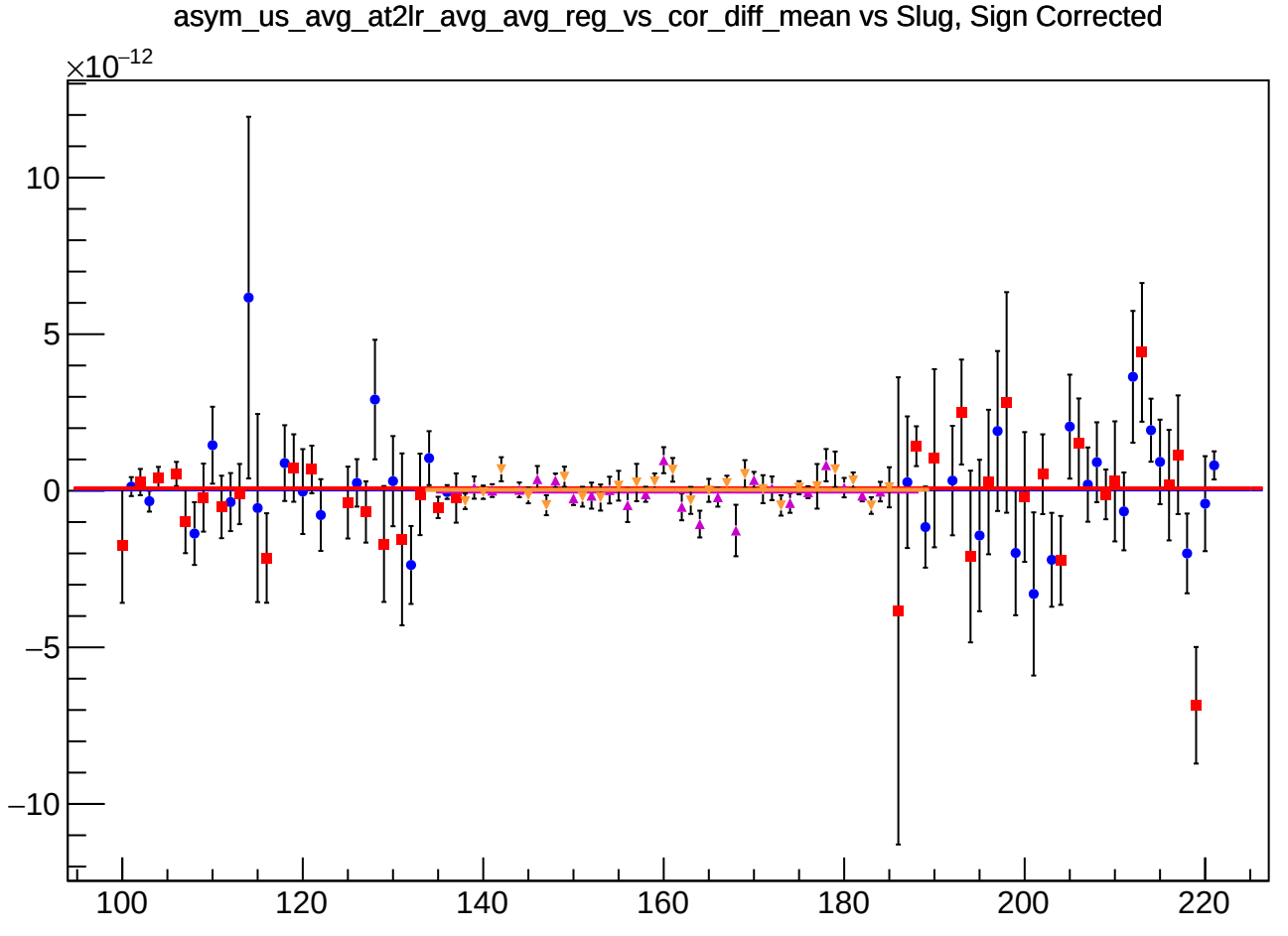
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 10399.303+/-1.181 χ^2/NDF: 7699689.4/68

In: 10789.056+/-1.234 χ^2/NDF:3597128.0/56

Out: 10293.636+/-1.212 χ^2/NDF:6129946.2/58

All: 10536.933+/-0.865 χ^2/NDF: 9809116.0/1



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: 44.0/34

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

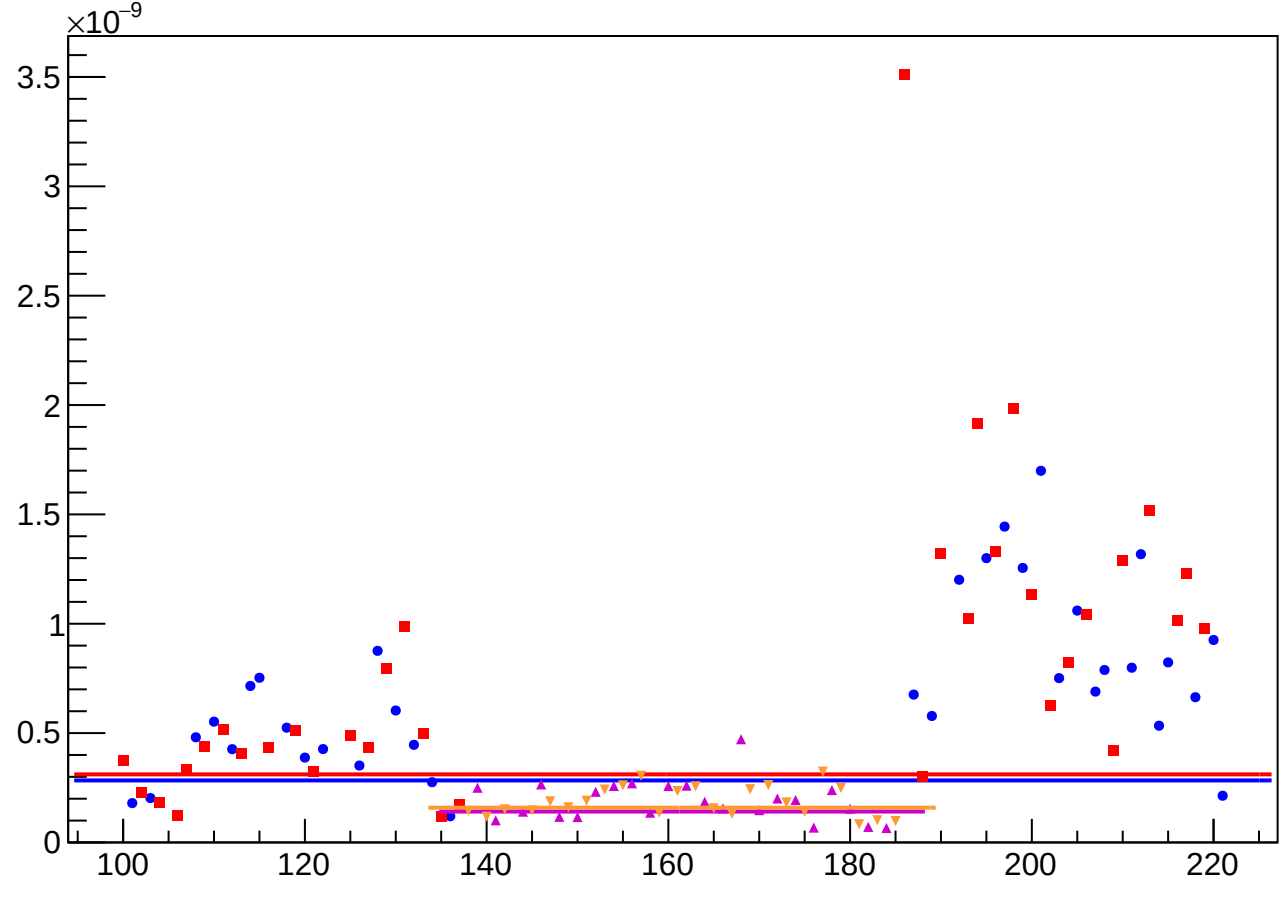
Right: 0.000+/-0.000 χ^2/NDF: 80.1/68

In: -0.000+/-0.000 χ^2/NDF:64.2/56

Out: 0.000+/-0.000 χ^2/NDF:70.4/58

All: 0.000+/-0.000 χ^2/NDF: 135.0/115

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: 8026342.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

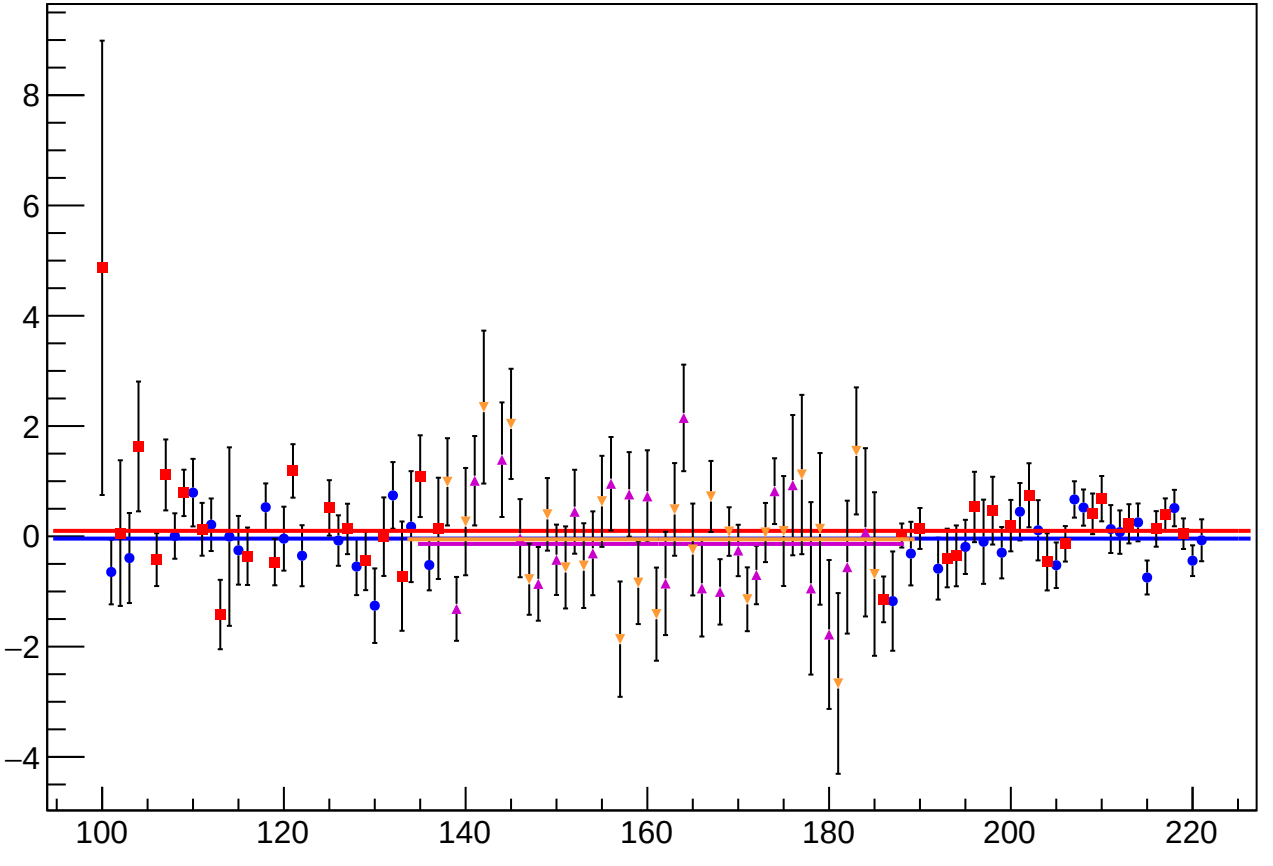
Right: 0.000+/-0.000 χ^2/NDF: 15857126.7/68

In: 0.000+/-0.000 χ^2/NDF:12235252.2/56

Out: 0.000+/-0.000 χ^2/NDF:11203917.7/58

All: 0.000+/-0.000 χ^2/NDF: 23532237.7/115

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: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

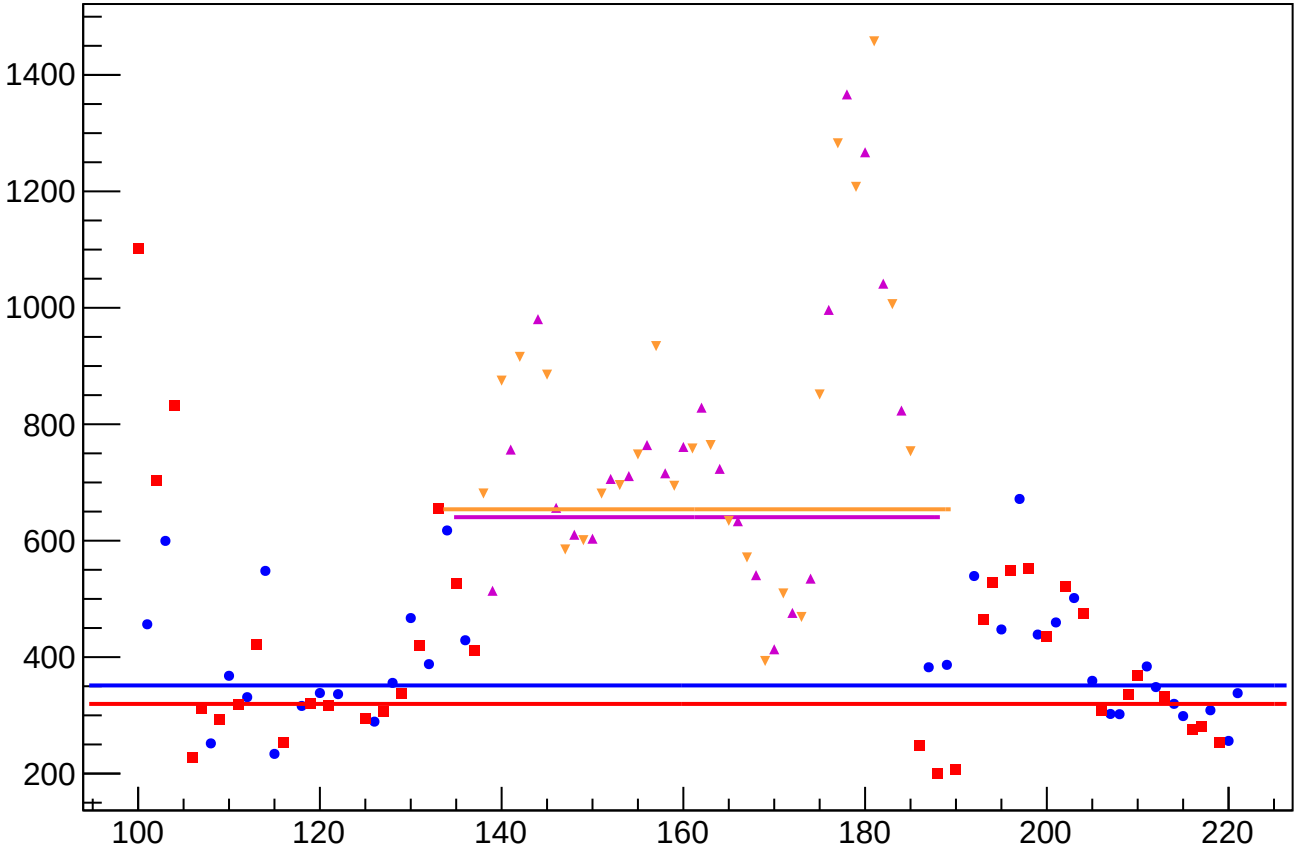
Right: 0.032+/-0.055 χ^2/NDF: 83.8/68

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.008+/-0.049 χ^2/NDF: 145.1/115

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: 319.631+/-0.053 χ^2/NDF: 3836102.3/34

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

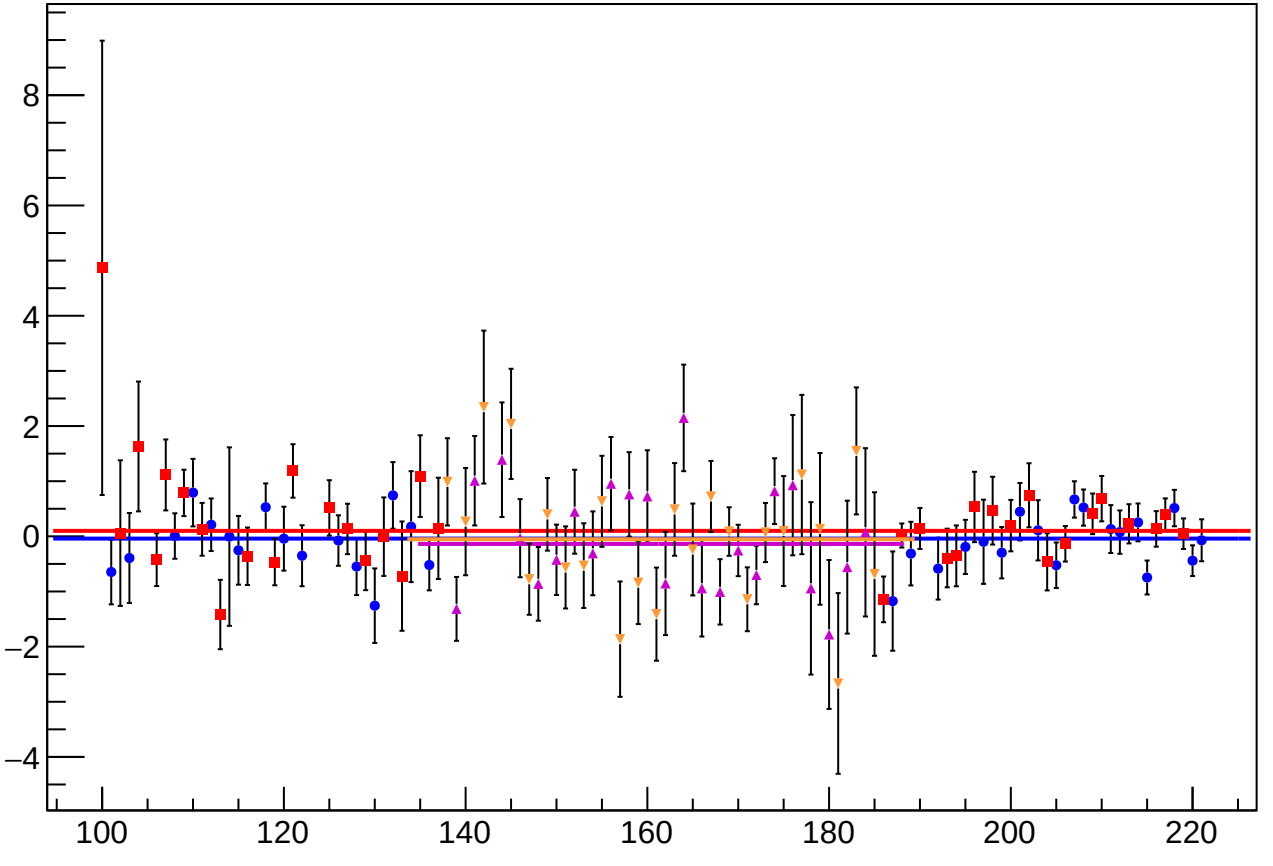
Right: 334.814+/-0.039 χ^2/NDF: 6209432.1/68

In: 409.285+/-0.050 χ^2/NDF:10213031.5/56

Out: 379.883+/-0.048 χ^2/NDF:14000643.9/58

All: 394.126+/-0.035 χ^2/NDF: 24392208.4/11

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: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

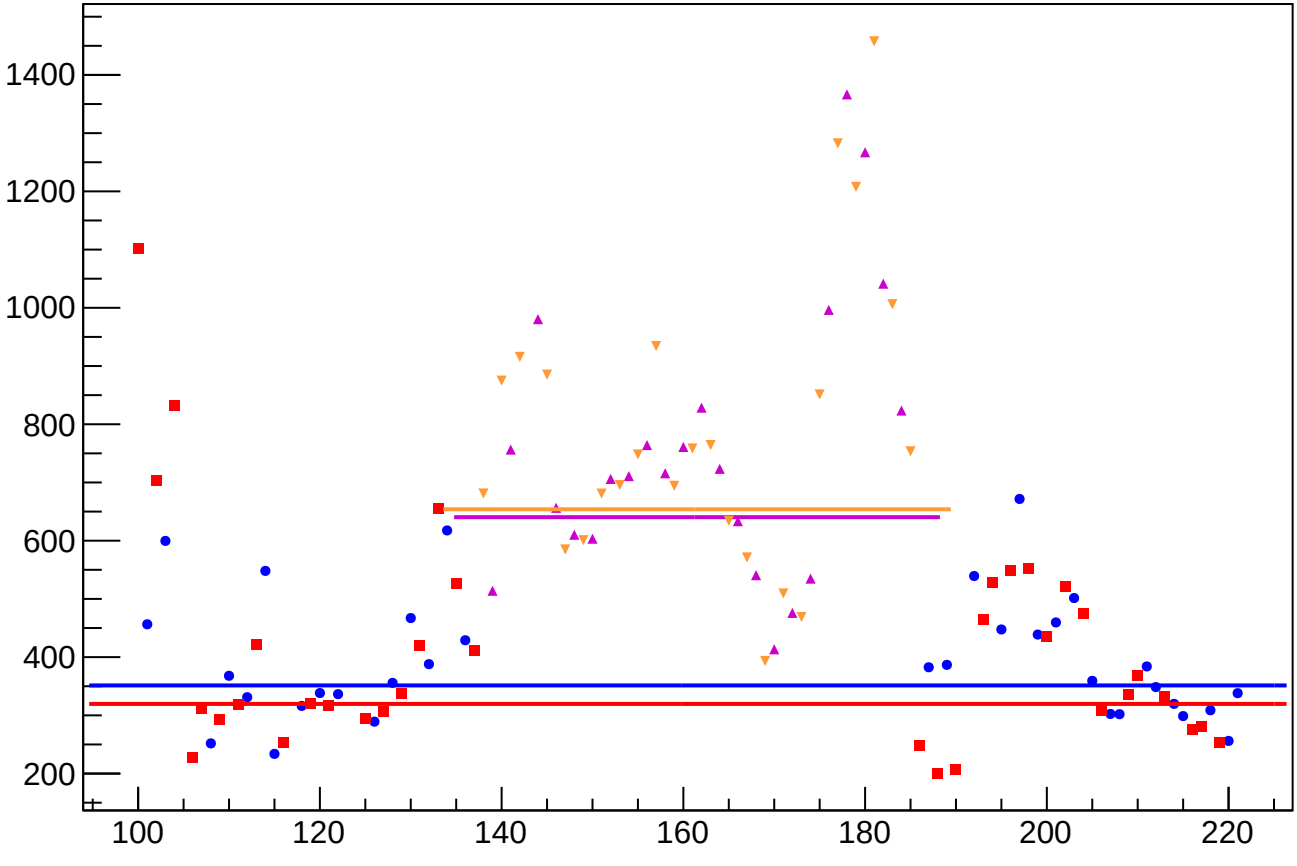
Right: 0.032+/-0.055 χ^2/NDF: 83.8/68

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.008+/-0.049 χ^2/NDF: 145.1/115

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: 319.631+/-0.053 χ^2/NDF: 3836102.3/34

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

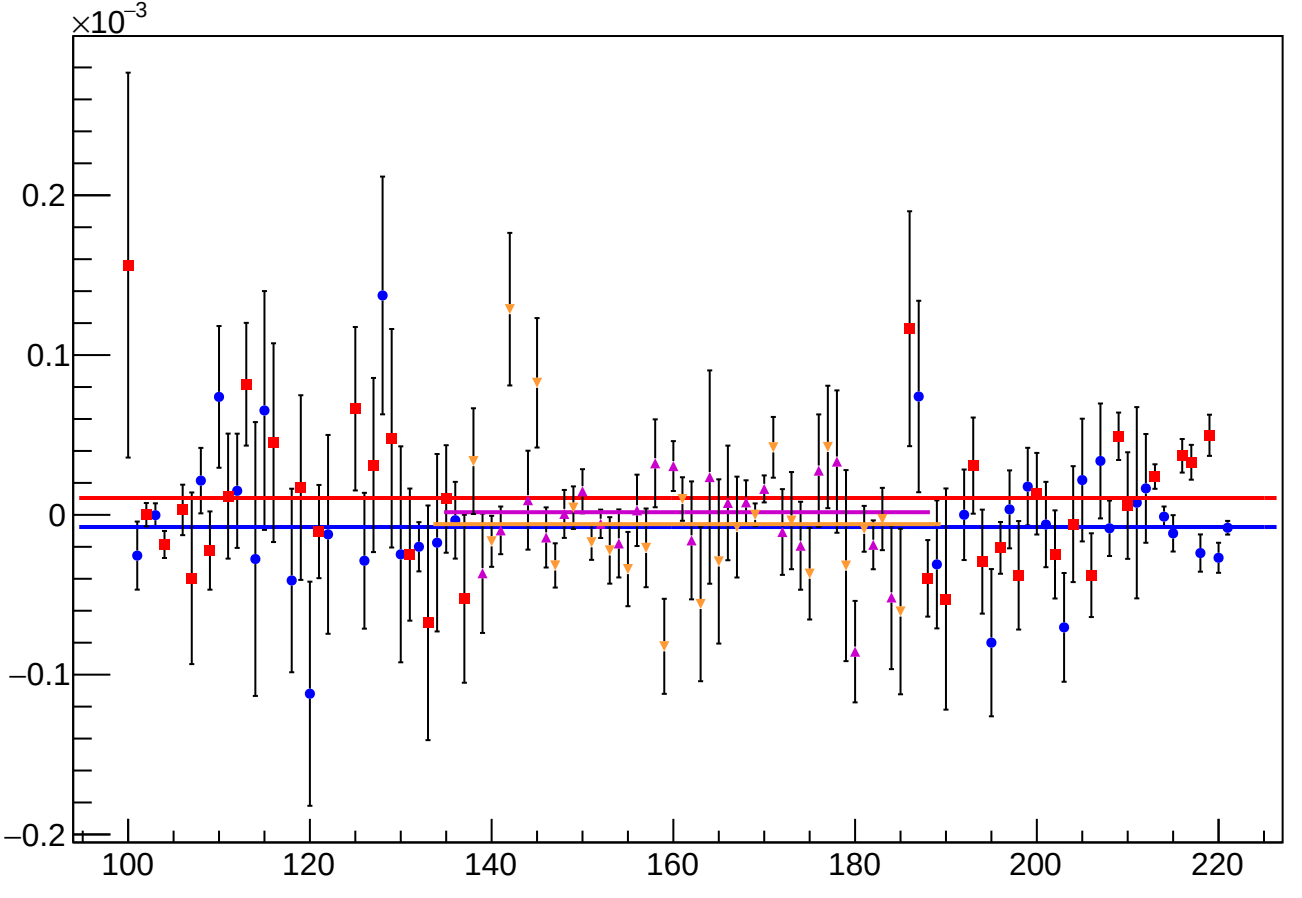
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 334.814+/-0.039 χ^2/NDF: 6209432.1/68

In: 409.285+/-0.050 χ^2/NDF:10213031.5/56

Out: 379.883+/-0.048 χ^2/NDF:14000643.9/58

All: 394.126+/-0.035 χ^2/NDF: 24392208.4/11



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: 77.4/34

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

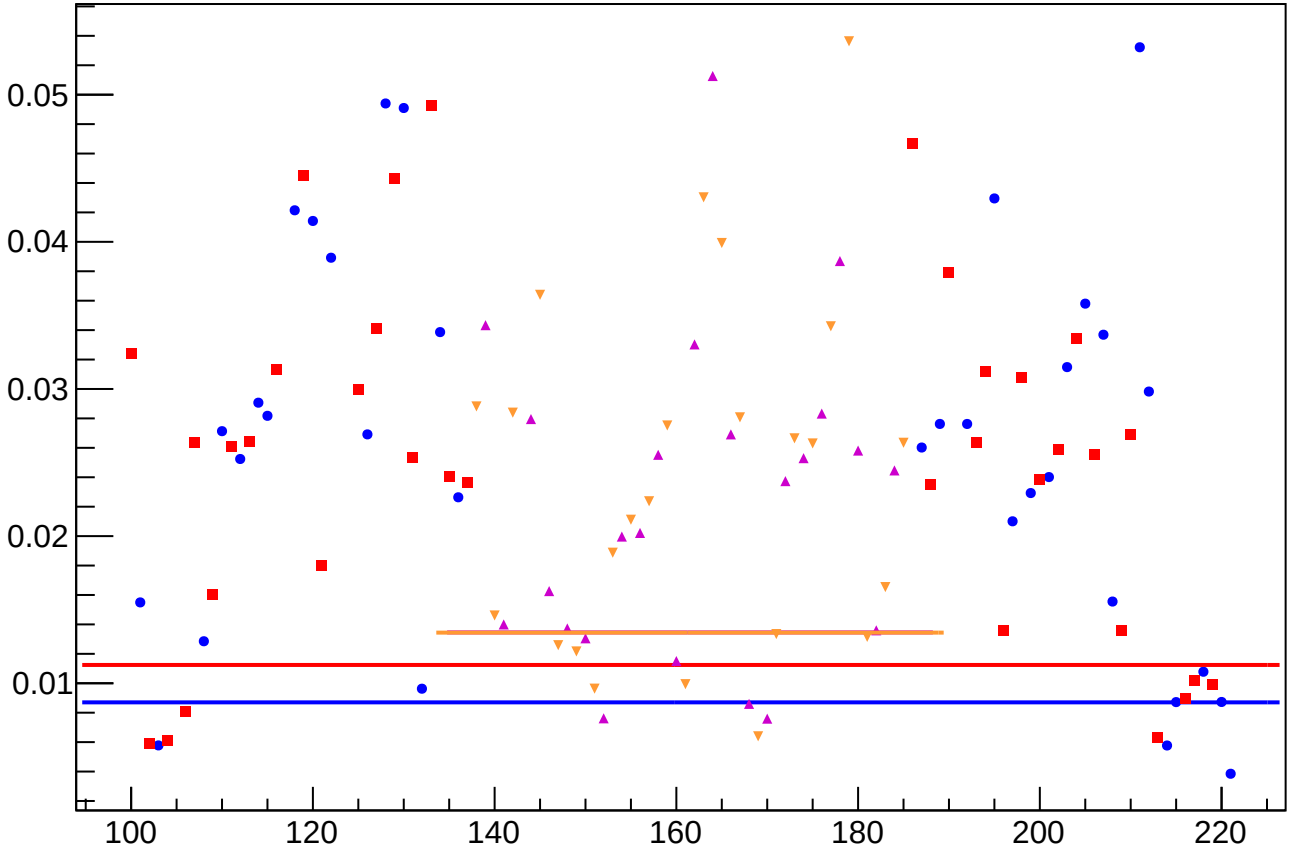
Right: -0.000+/-0.000 χ^2/NDF: 132.9/68

In: -0.000+/-0.000 χ^2/NDF:64.9/56

Out: 0.000+/-0.000 χ^2/NDF:131.4/58

All: -0.000+/-0.000 χ^2/NDF: 203.5/115

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.011+/-0.000 χ^2/NDF: 13129533.2/34

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

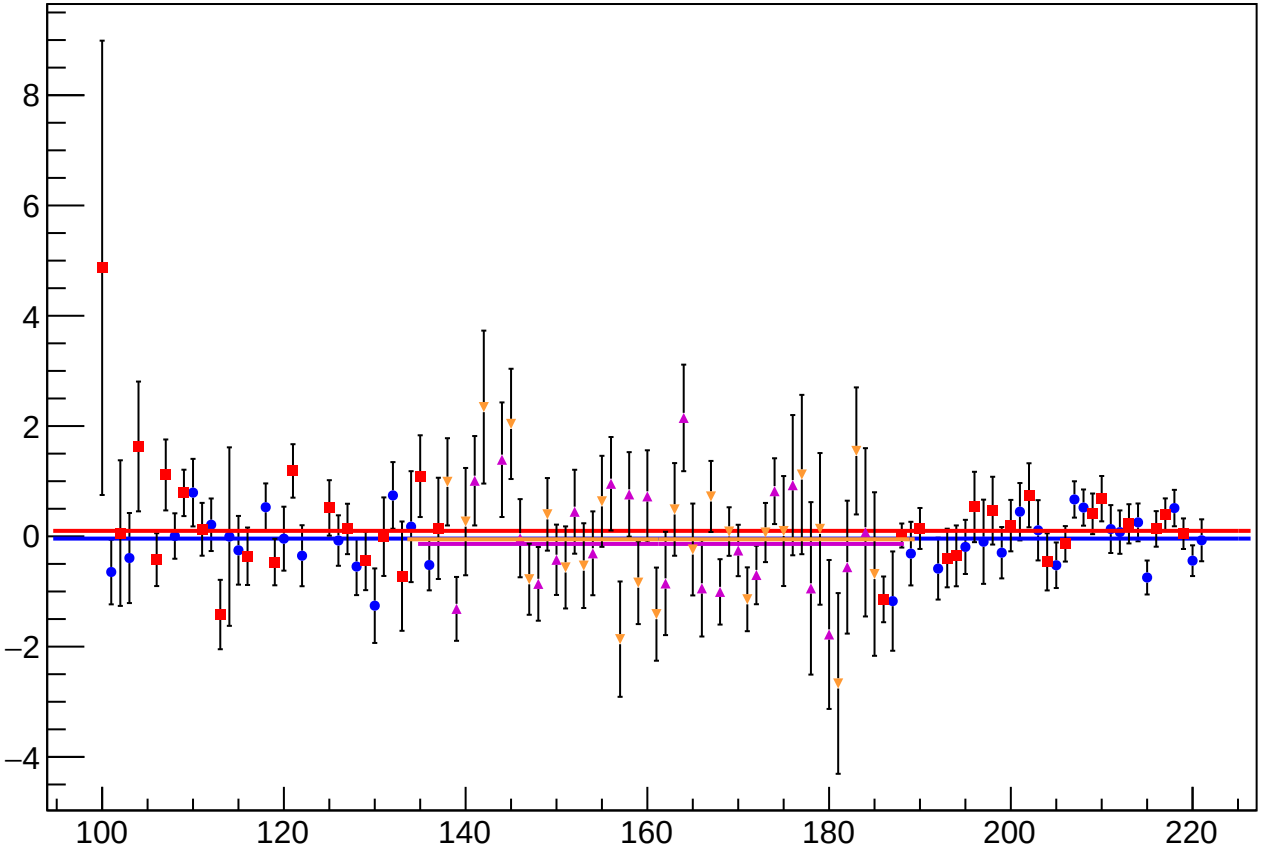
Right: 0.010+/-0.000 χ^2/NDF: 32467179.9/68

In: 0.010+/-0.000 χ^2/NDF:28290571.6/56

Out: 0.012+/-0.000 χ^2/NDF:22400042.6/58

All: 0.011+/-0.000 χ^2/NDF: 51417858.8/115

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: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

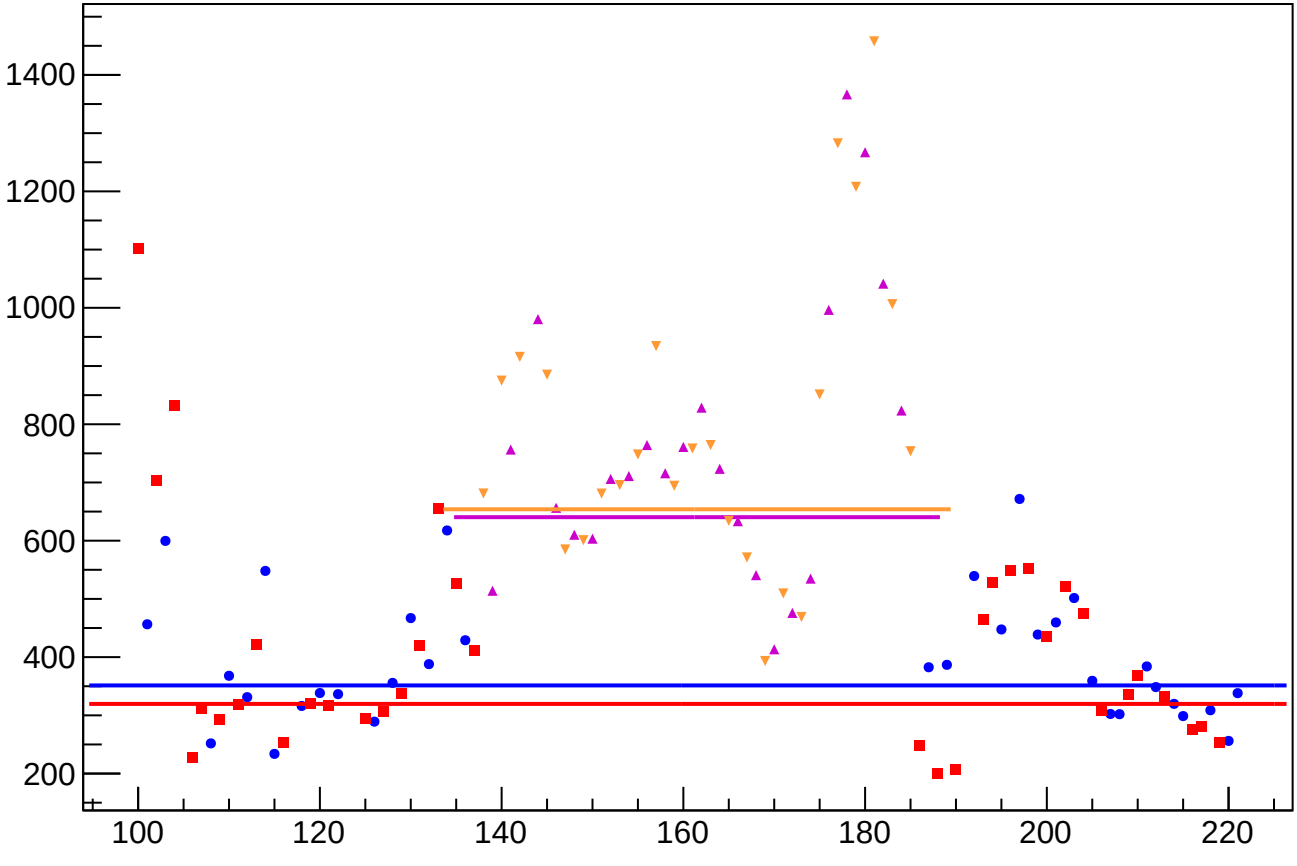
Right: 0.032+/-0.055 χ^2/NDF: 83.8/68

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.008+/-0.049 χ^2/NDF: 145.1/115

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_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: 319.627+/-0.053 χ^2/NDF: 3836261.5/34

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

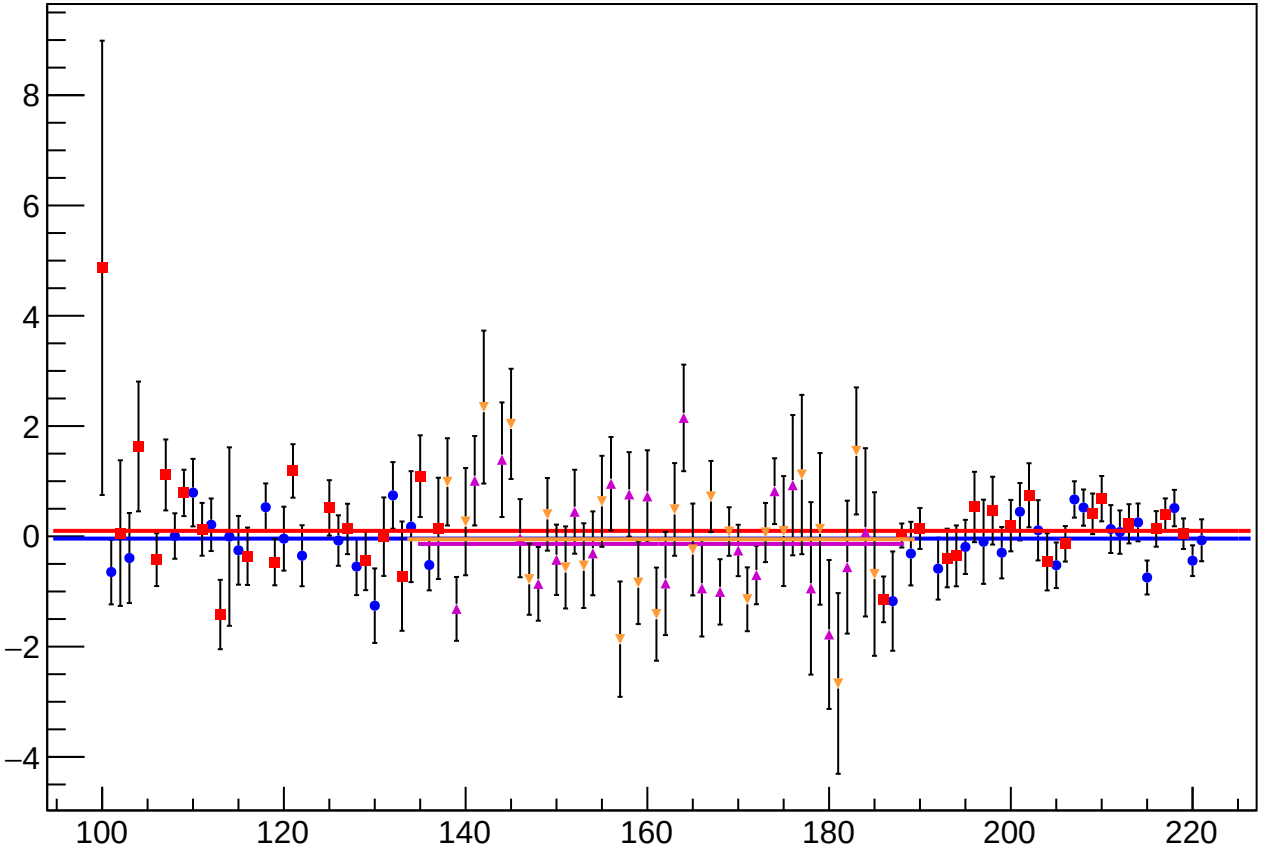
Right: 334.812+/-0.039 χ^2/NDF: 6209622.8/68

In: 409.285+/-0.050 χ^2/NDF:10213217.1/56

Out: 379.879+/-0.048 χ^2/NDF:14001165.6/58

All: 394.123+/-0.035 χ^2/NDF: 24392965.8/1

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: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

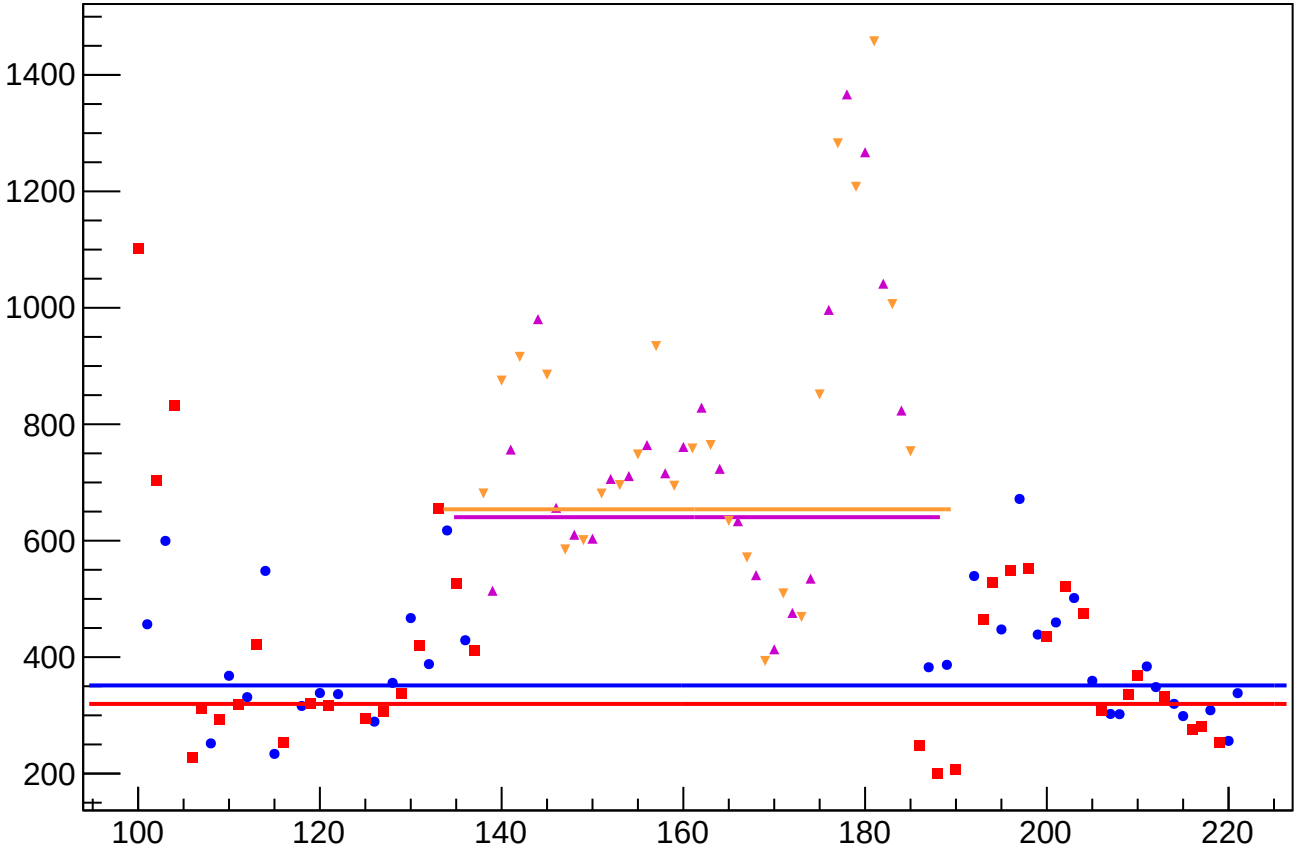
Right: 0.032+/-0.055 χ^2/NDF: 83.8/68

In: -0.060+/-0.071 χ^2/NDF:67.0/56

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.008+/-0.049 χ^2/NDF: 145.1/115

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: 319.627+/-0.053 χ^2/NDF: 3836261.5/34

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

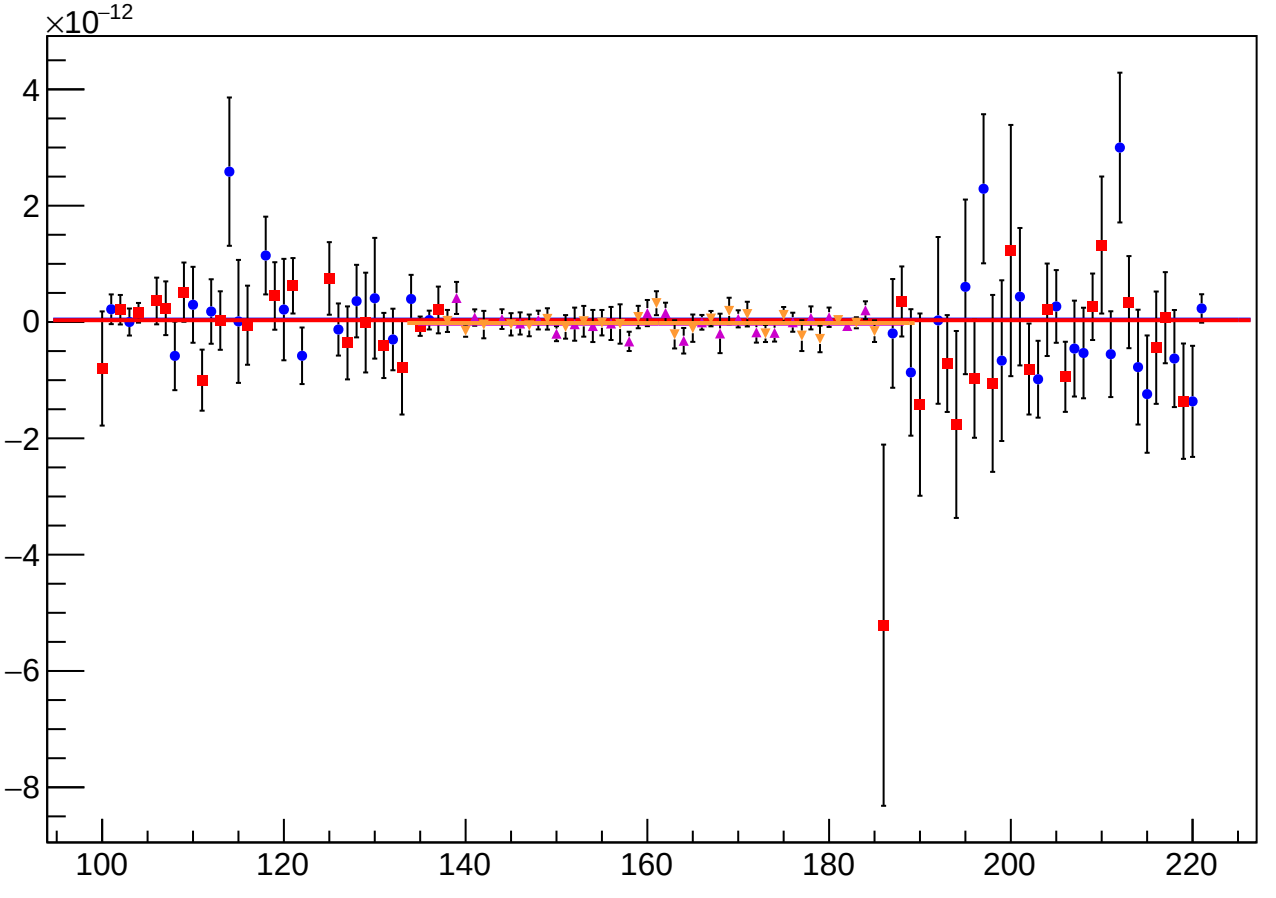
Right: 334.812+/-0.039 χ^2/NDF: 6209622.8/68

In: 409.285+/-0.050 χ^2/NDF:10213217.1/56

Out: 379.879+/-0.048 χ^2/NDF:14001165.6/58

All: 394.123+/-0.035 χ^2/NDF: 24392965.8/1

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: 28.8/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

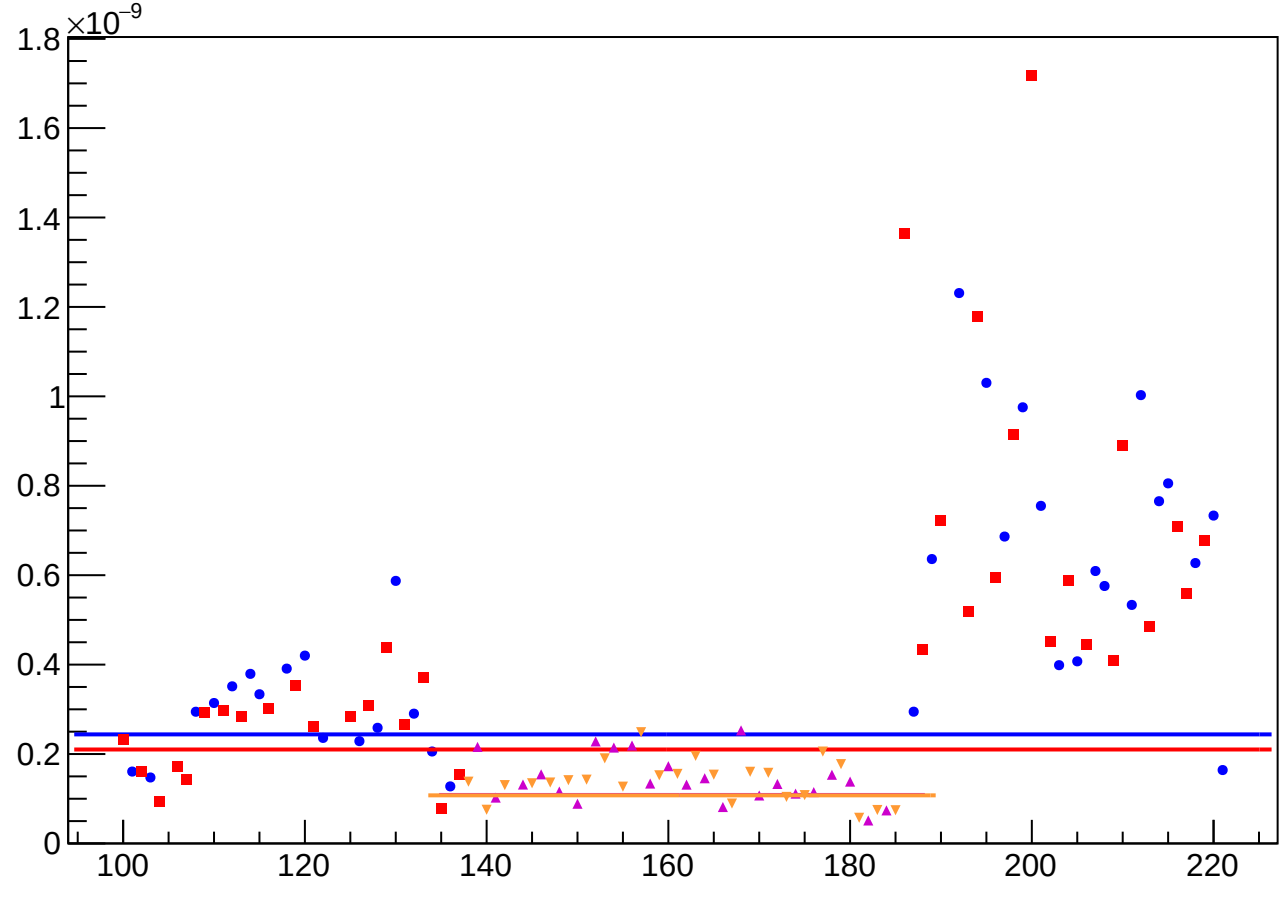
Right: 0.000+/-0.000 χ^2/NDF: 60.1/68

In: -0.000+/-0.000 χ^2/NDF:49.8/56

Out: -0.000+/-0.000 χ^2/NDF:42.2/58

All: -0.000+/-0.000 χ^2/NDF: 92.0/115

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: 9947758.0/34

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

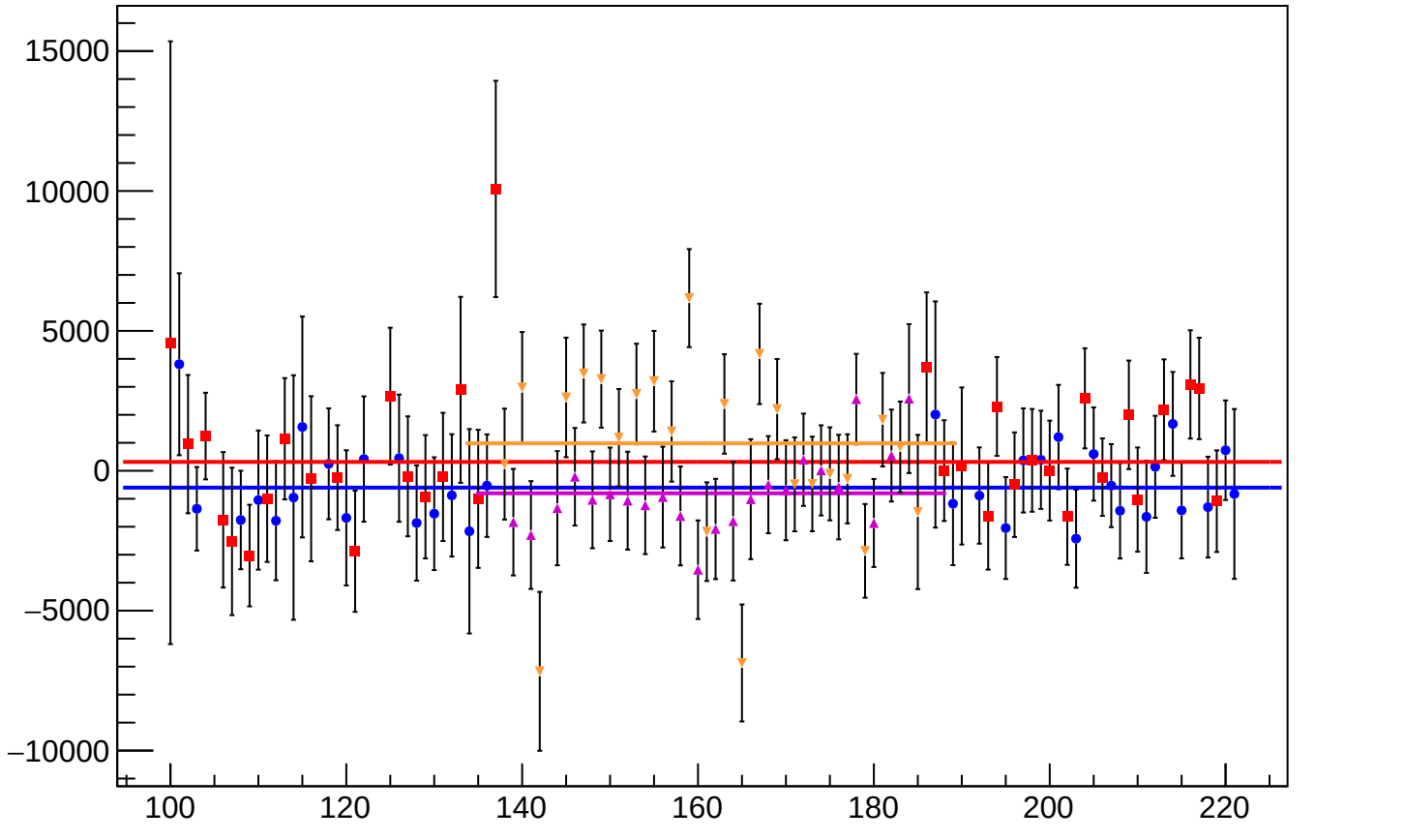
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 19572434.4/68

In: 0.000+/-0.000 χ^2/NDF:17889596.1/56

Out: 0.000+/-0.000 χ^2/NDF:16243730.0/58

All: 0.000+/-0.000 χ^2/NDF: 34152074.9/115



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: 317.276+/-346.939 χ^2/NDF: 31.5/34

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

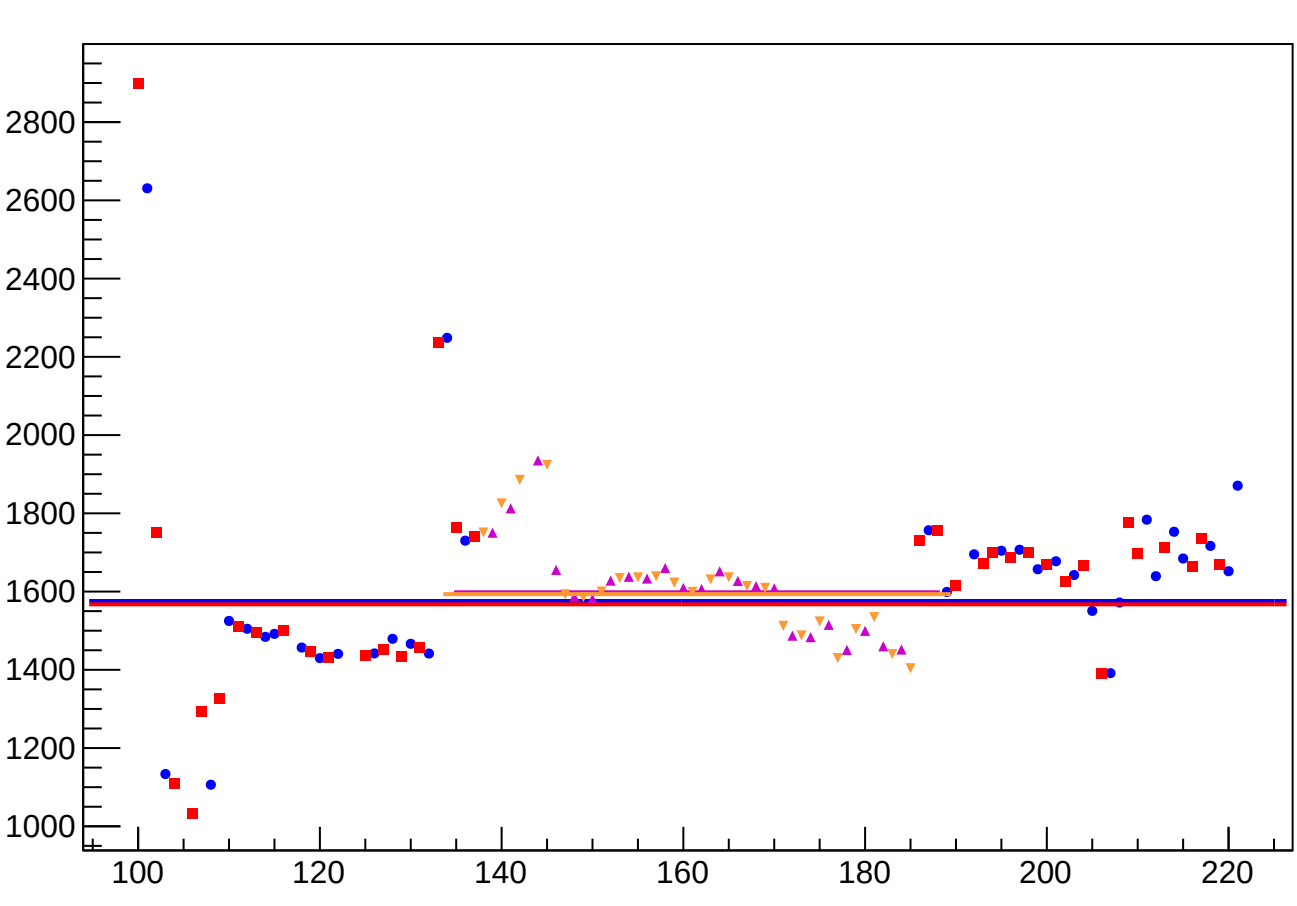
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -146.233+/-244.259 χ^2/NDF: 47.3/68

In: -694.386+/-253.188 χ^2/NDF:24.8/56

Out: 627.351+/-253.352 χ^2/NDF:88.8/58

All: -33.947+/-179.089 χ^2/NDF: 127.2/115



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: 1567.373+/-0.245 χ^2/NDF: 729359.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

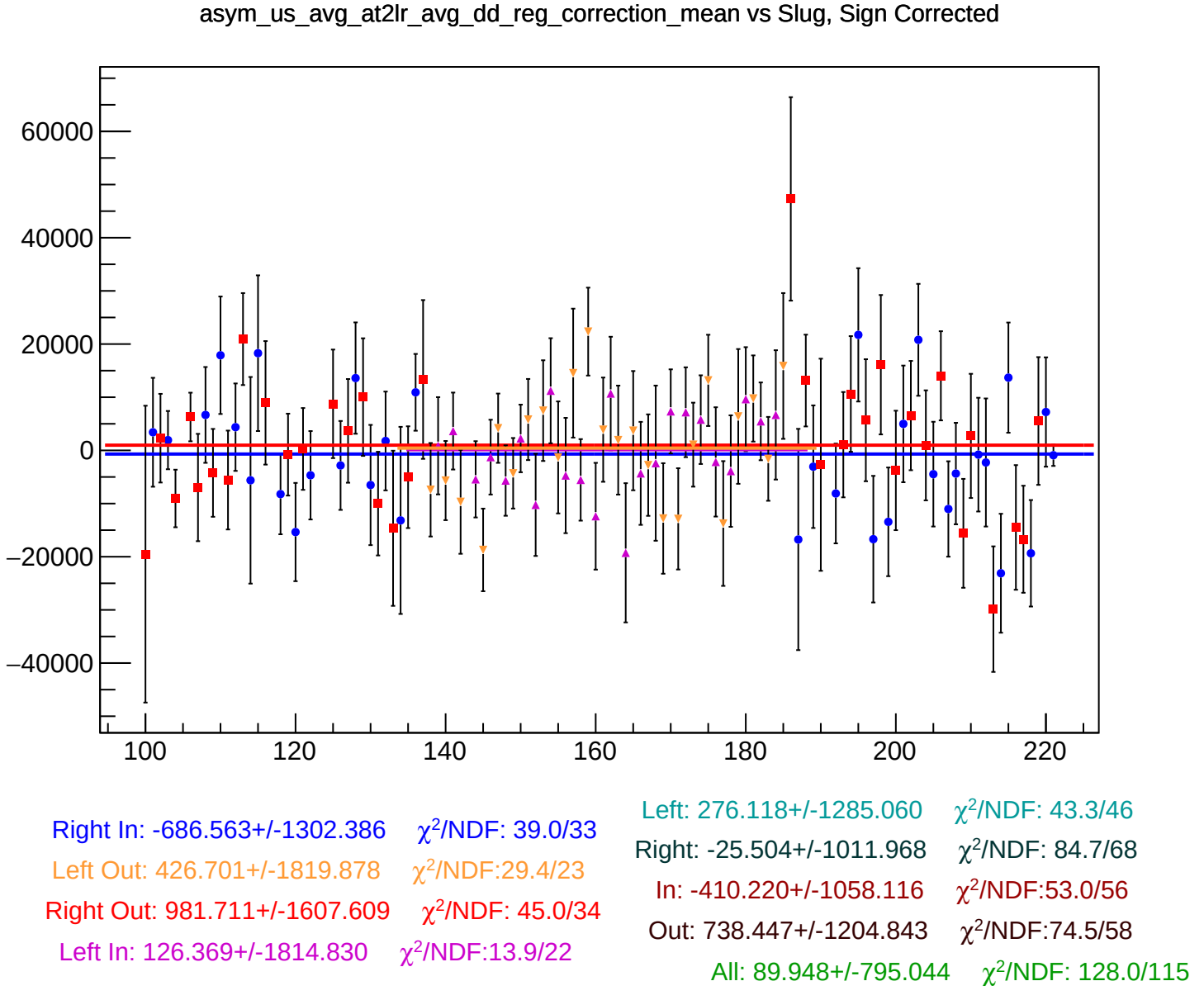
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

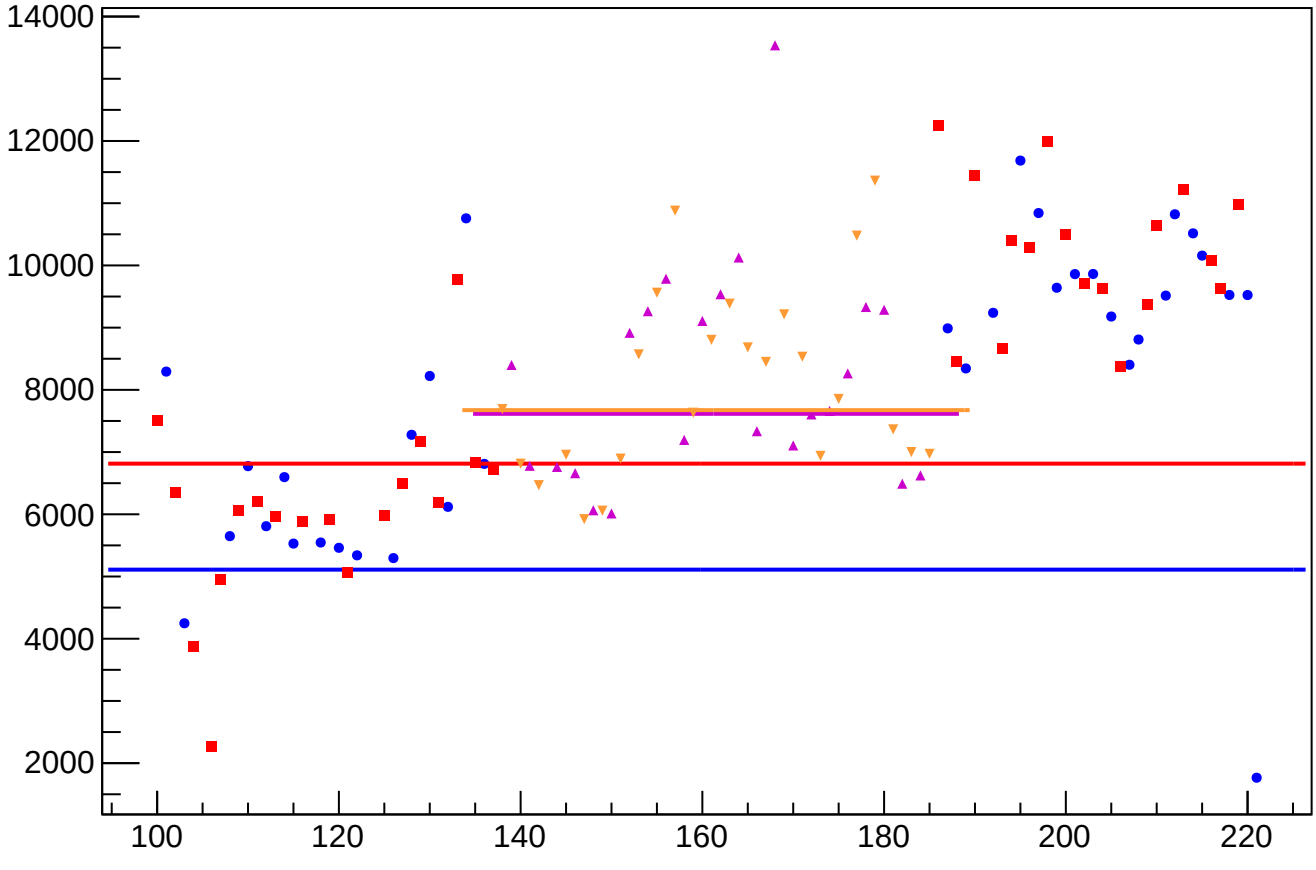
Right: 1571.658+/-0.172 χ^2/NDF: 1555044.0/68

In: 1586.077+/-0.179 χ^2/NDF:998056.5/56

Out: 1579.520+/-0.179 χ^2/NDF:922274.7/58

All: 1582.795+/-0.127 χ^2/NDF: 1921002.5/11


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: 981.711+/-1607.609 χ²/NDF: 45.0/34
Left In: 126.369+/-1814.830 χ²/NDF:13.9/22
Left: 276.118+/-1285.060 χ²/NDF: 43.3/46
Right: -25.504+/-1011.968 χ²/NDF: 84.7/68
In: -410.220+/-1058.116 χ²/NDF:53.0/56
Out: 738.447+/-1204.843 χ²/NDF:74.5/58
All: 89.948+/-795.044 χ²/NDF: 128.0/115



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: 6813.983+/-1.137 χ^2/NDF: 5818082.2/34

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

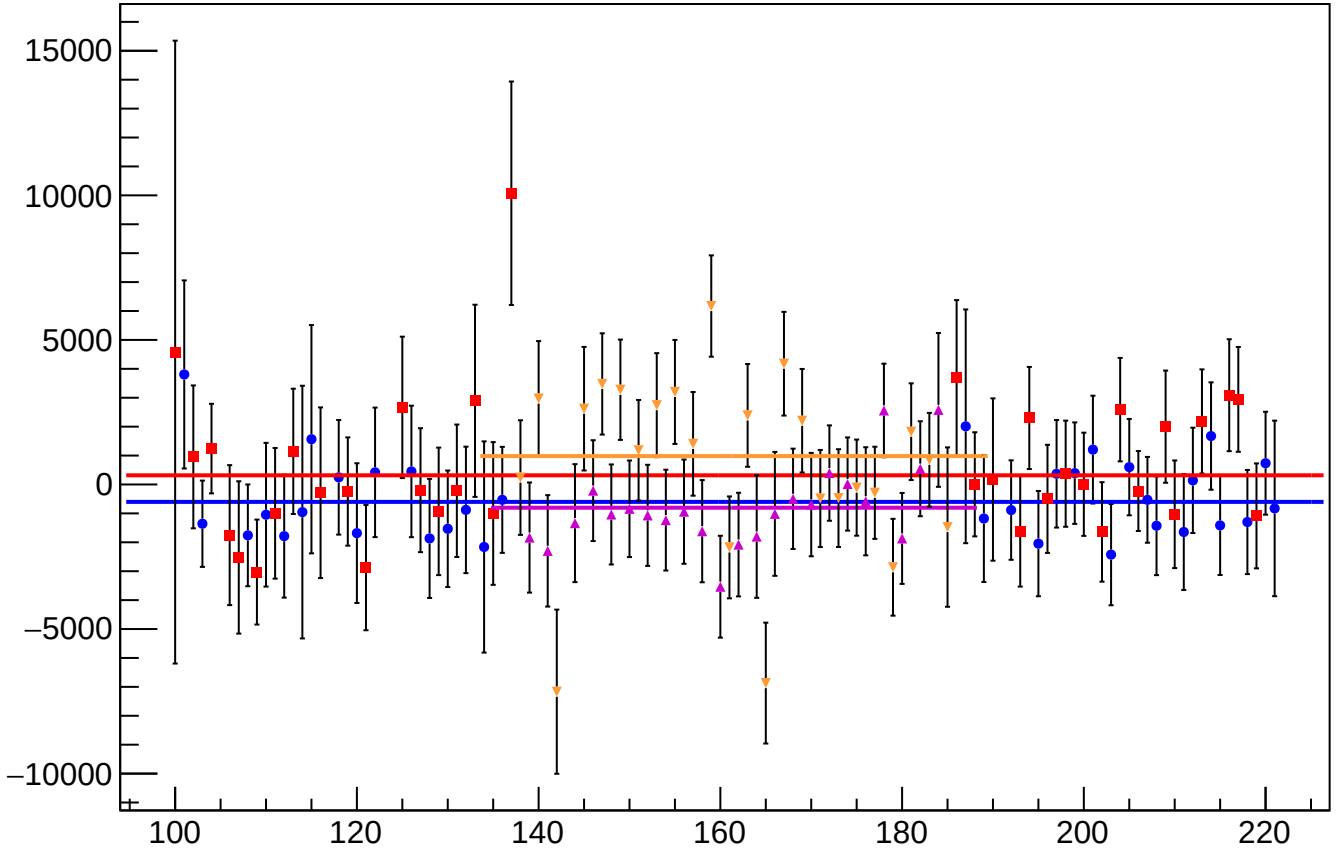
Right: 5785.398+/-0.716 χ^2/NDF: 19825382.0/68

In: 5961.732+/-0.748 χ^2/NDF:16390161.8/56

Out: 7190.959+/-0.852 χ^2/NDF:7145707.5/58

All: 6496.978+/-0.562 χ^2/NDF: 24711169.0/

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



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: 317.295+/-346.939 χ^2/NDF: 31.5/34

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

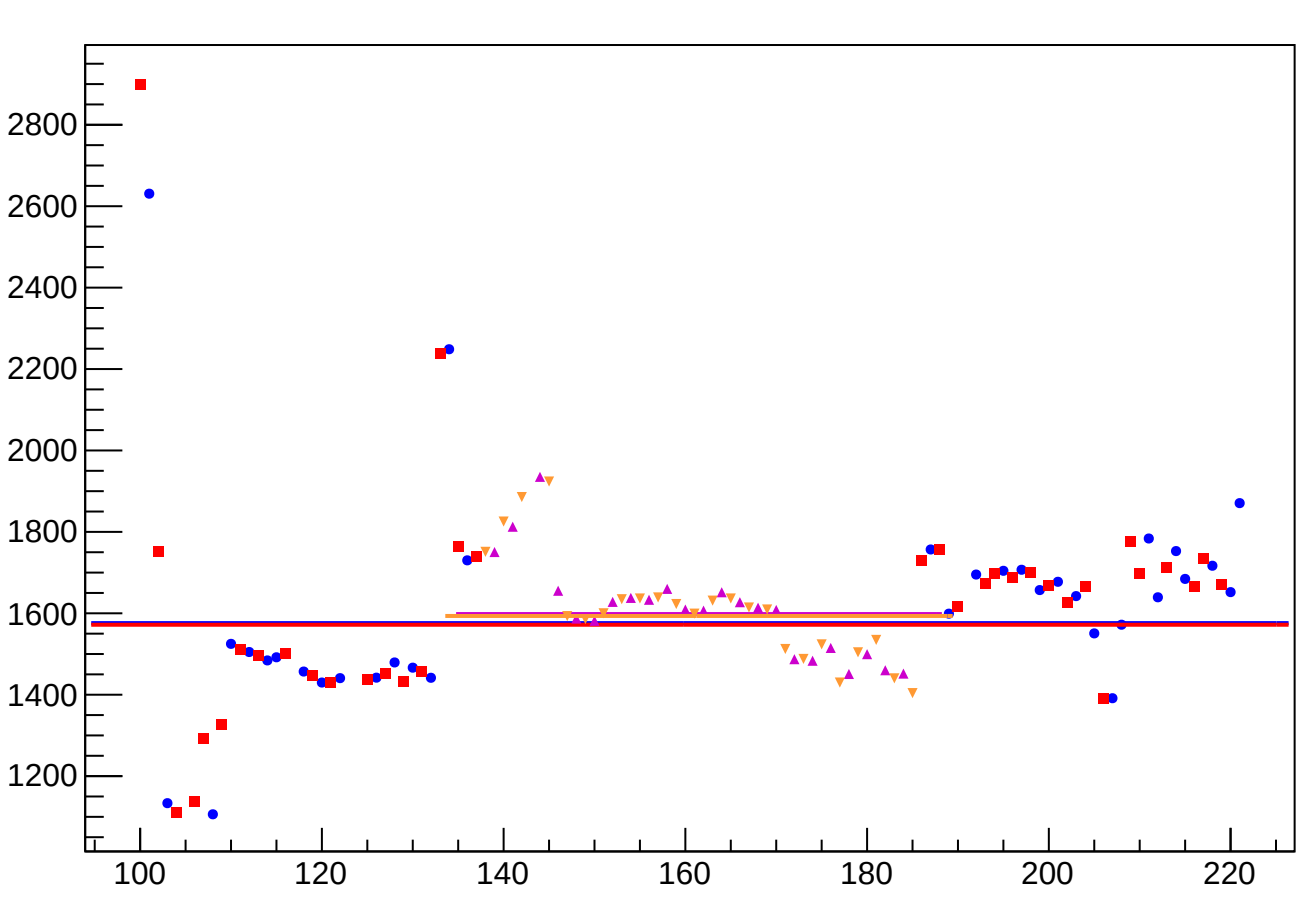
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -146.237+/-244.259 χ^2/NDF: 47.3/68

In: -694.344+/-253.188 χ^2/NDF:24.8/56

Out: 627.401+/-253.352 χ^2/NDF:88.8/58

All: -33.901+/-179.089 χ^2/NDF: 127.2/115



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: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

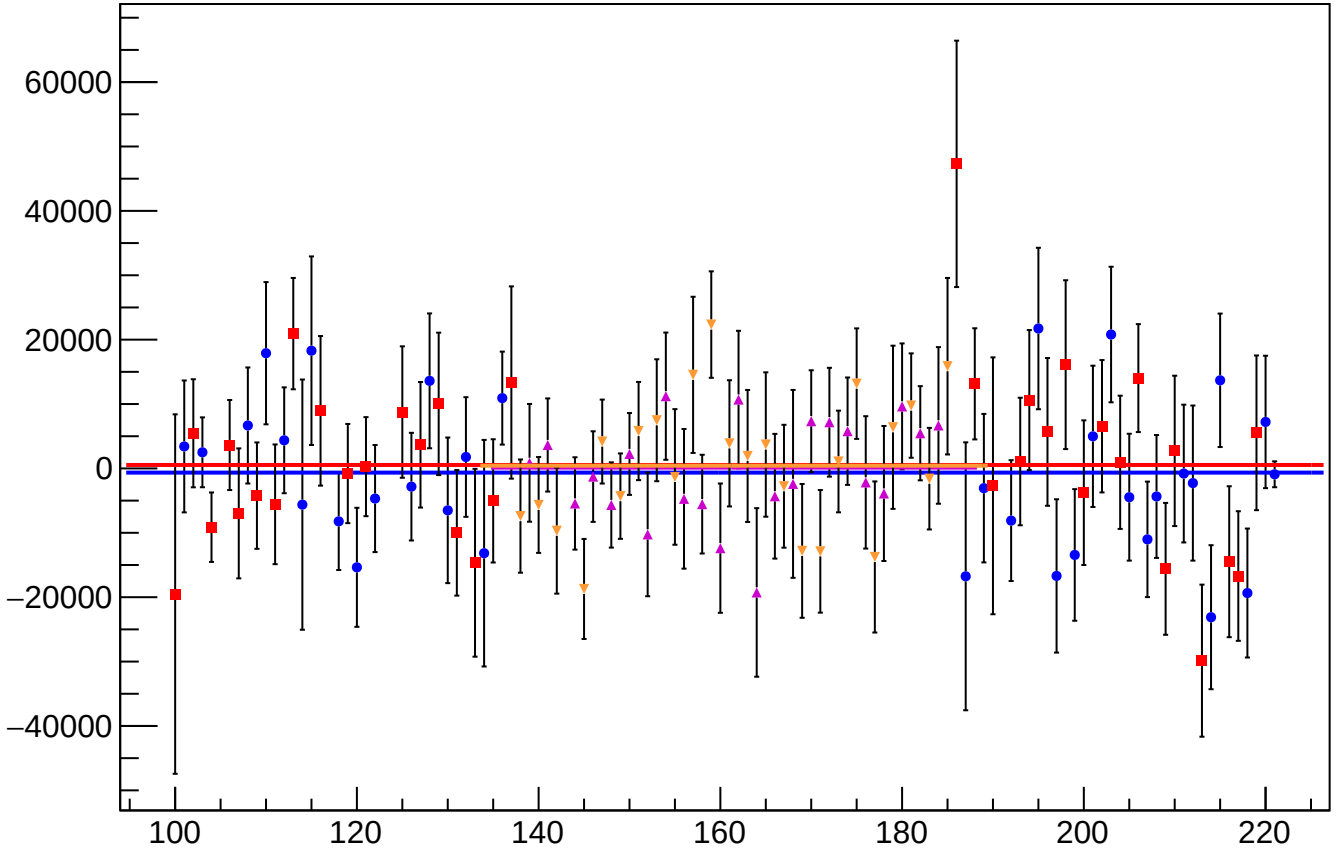
Right: 1573.912+/-0.173 χ^2/NDF: 1497444.0/68

In: 1586.077+/-0.179 χ^2/NDF:998057.0/56

Out: 1581.961+/-0.179 χ^2/NDF:863465.8/58

All: 1584.019+/-0.127 χ^2/NDF: 1861786.9/11

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: 536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

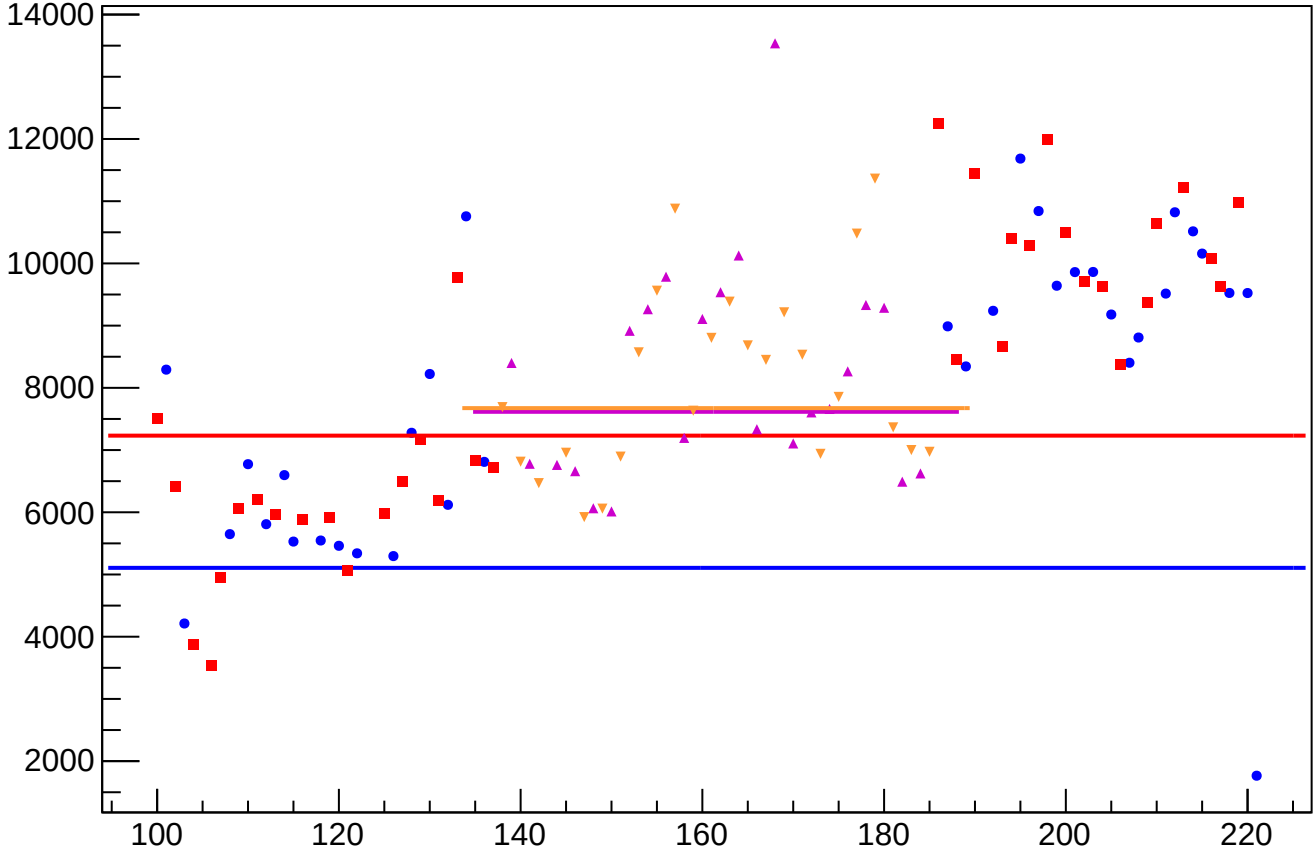
Right: -201.512+/-1026.052 χ^2/NDF: 83.6/68

In: -387.037+/-1057.686 χ^2/NDF:53.1/56

Out: 486.405+/-1229.496 χ^2/NDF:73.5/58

All: -15.560+/-801.819 χ^2/NDF: 126.9/115

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: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

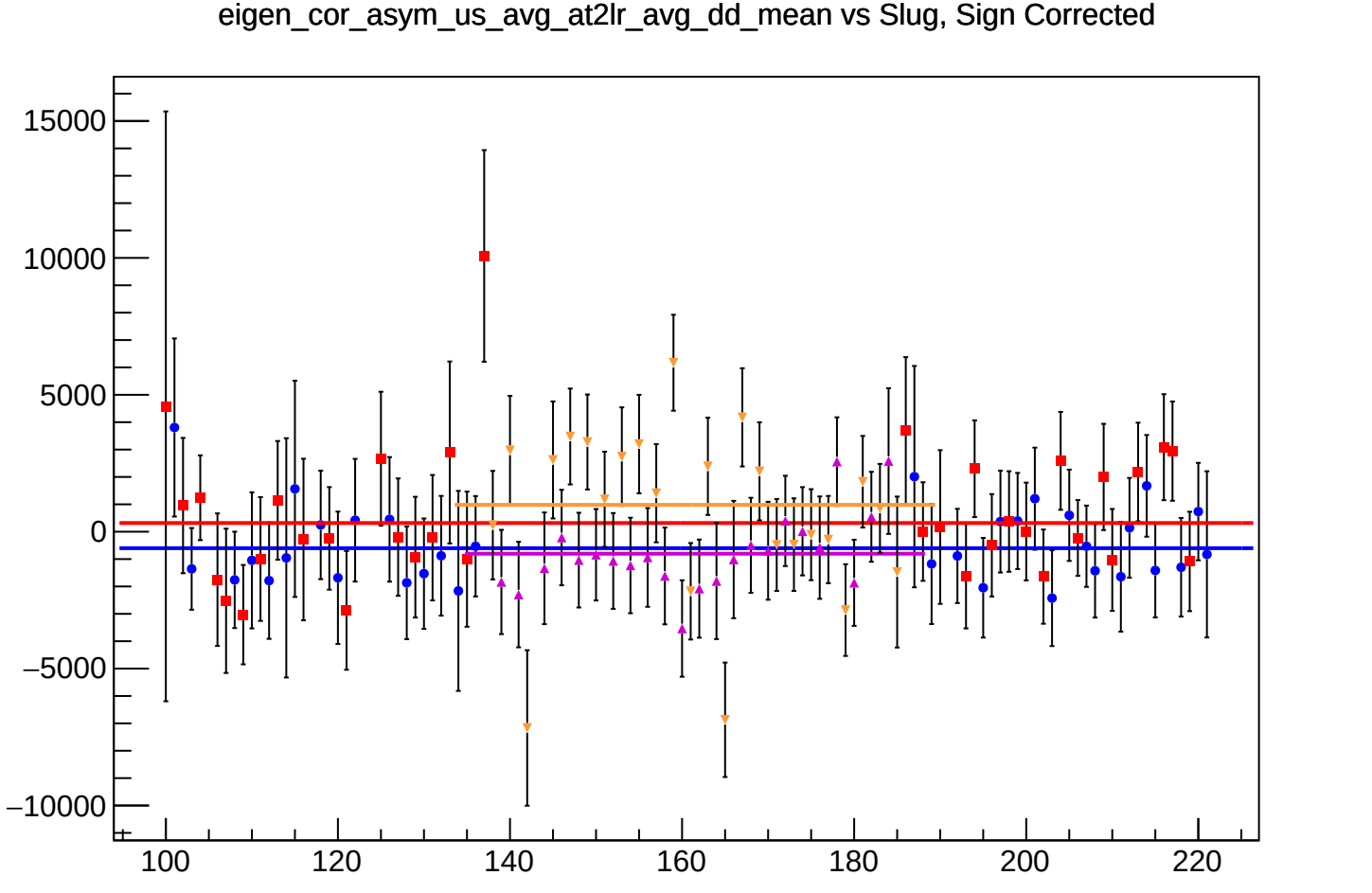
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 5911.205+/-0.726 χ^2/NDF: 18841345.6/68

In: 5958.664+/-0.748 χ^2/NDF:16406515.2/56

Out: 7433.660+/-0.869 χ^2/NDF:5304712.0/58

All: 6585.984+/-0.567 χ^2/NDF: 23365458.7/



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: 317.295+/-346.939 χ^2/NDF: 31.5/34

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

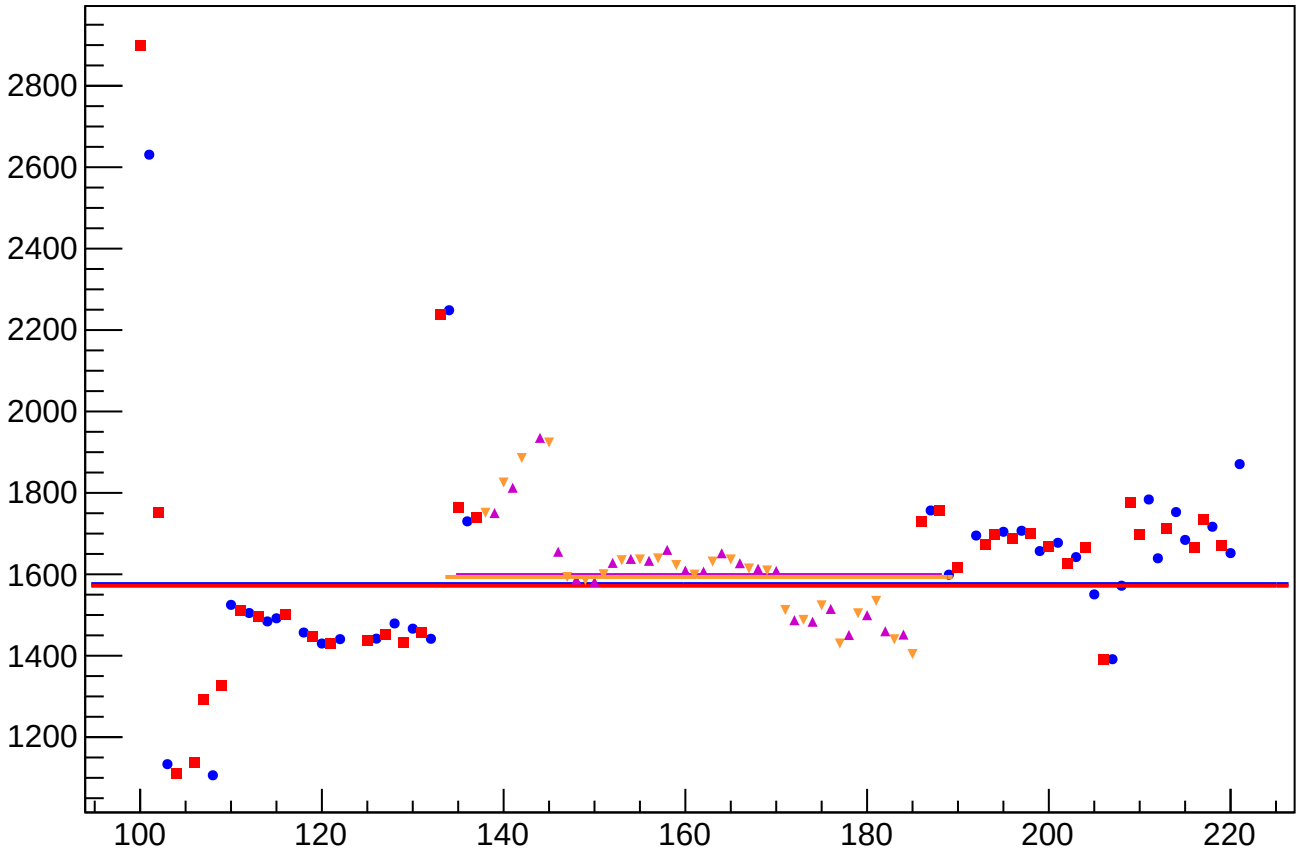
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -146.237+/-244.259 χ^2/NDF: 47.3/68

In: -694.344+/-253.188 χ^2/NDF:24.8/56

Out: 627.401+/-253.352 χ^2/NDF:88.8/58

All: -33.901+/-179.089 χ^2/NDF: 127.2/115



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: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

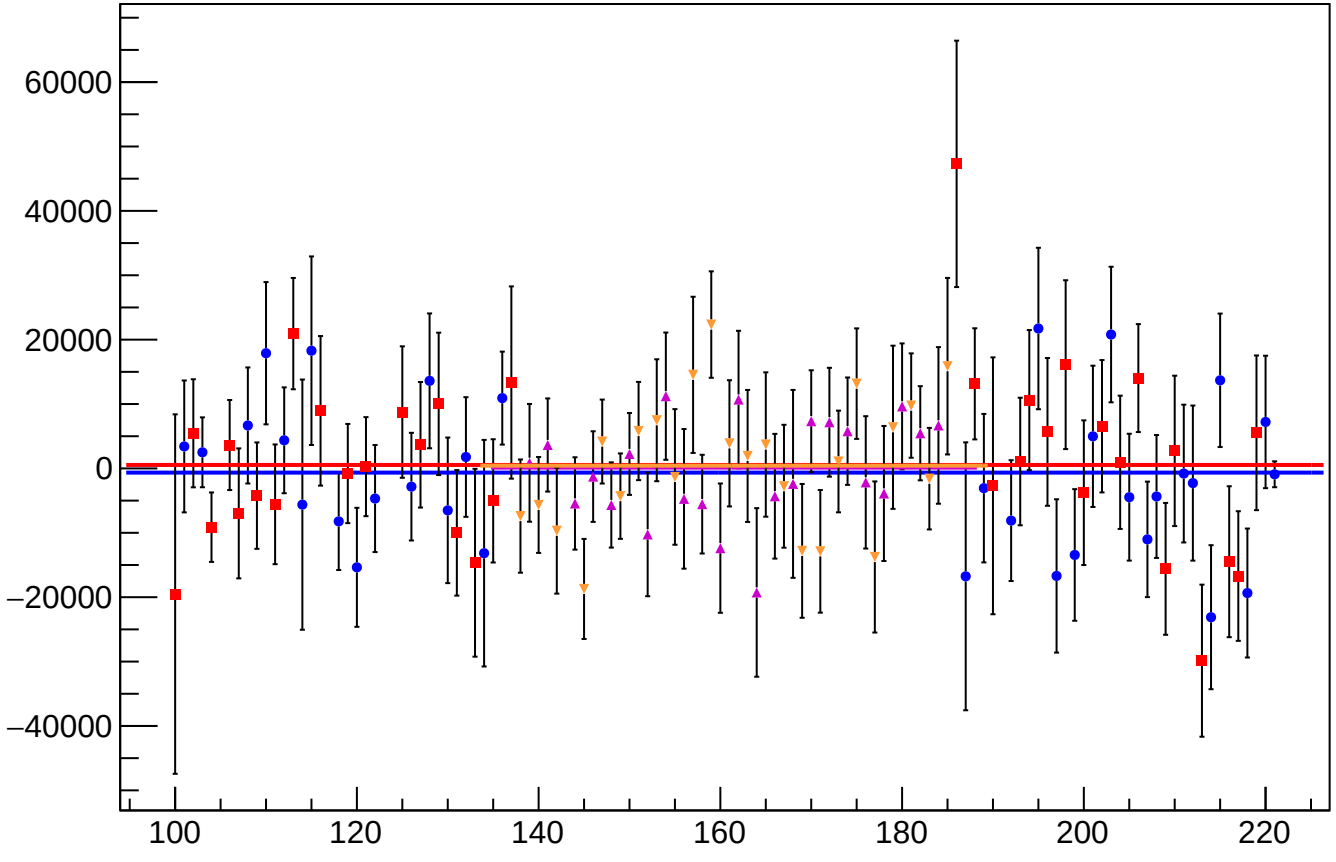
Right: 1573.912+/-0.173 χ^2/NDF: 1497444.0/68

In: 1586.077+/-0.179 χ^2/NDF:998057.0/56

Out: 1581.961+/-0.179 χ^2/NDF:863465.8/58

All: 1584.019+/-0.127 χ^2/NDF: 1861786.9/11

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: 536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

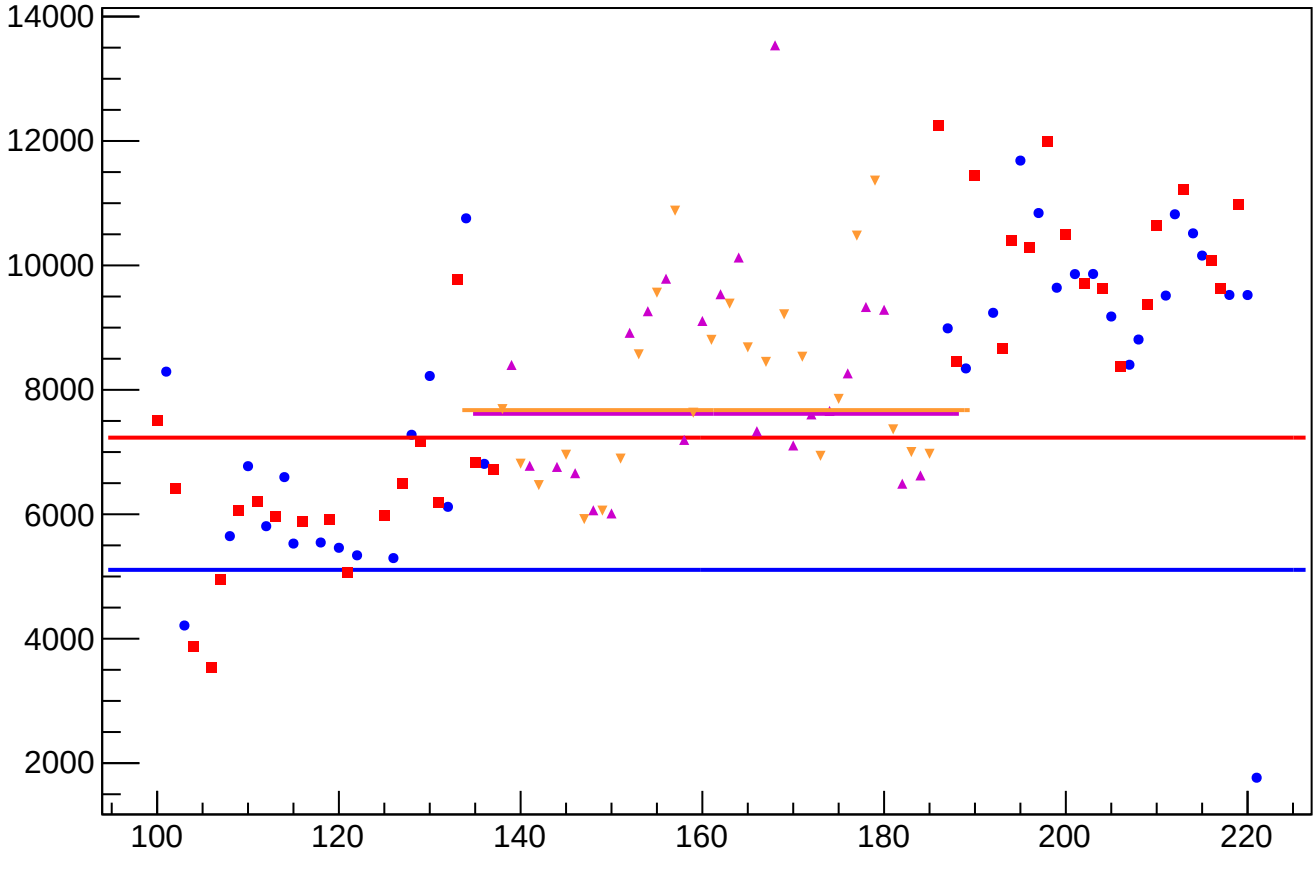
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: -201.512+/-1026.052 χ^2/NDF: 83.6/68

In: -387.037+/-1057.686 χ^2/NDF:53.1/56

Out: 486.405+/-1229.496 χ^2/NDF:73.5/58

All: -15.560+/-801.819 χ^2/NDF: 126.9/115



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: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

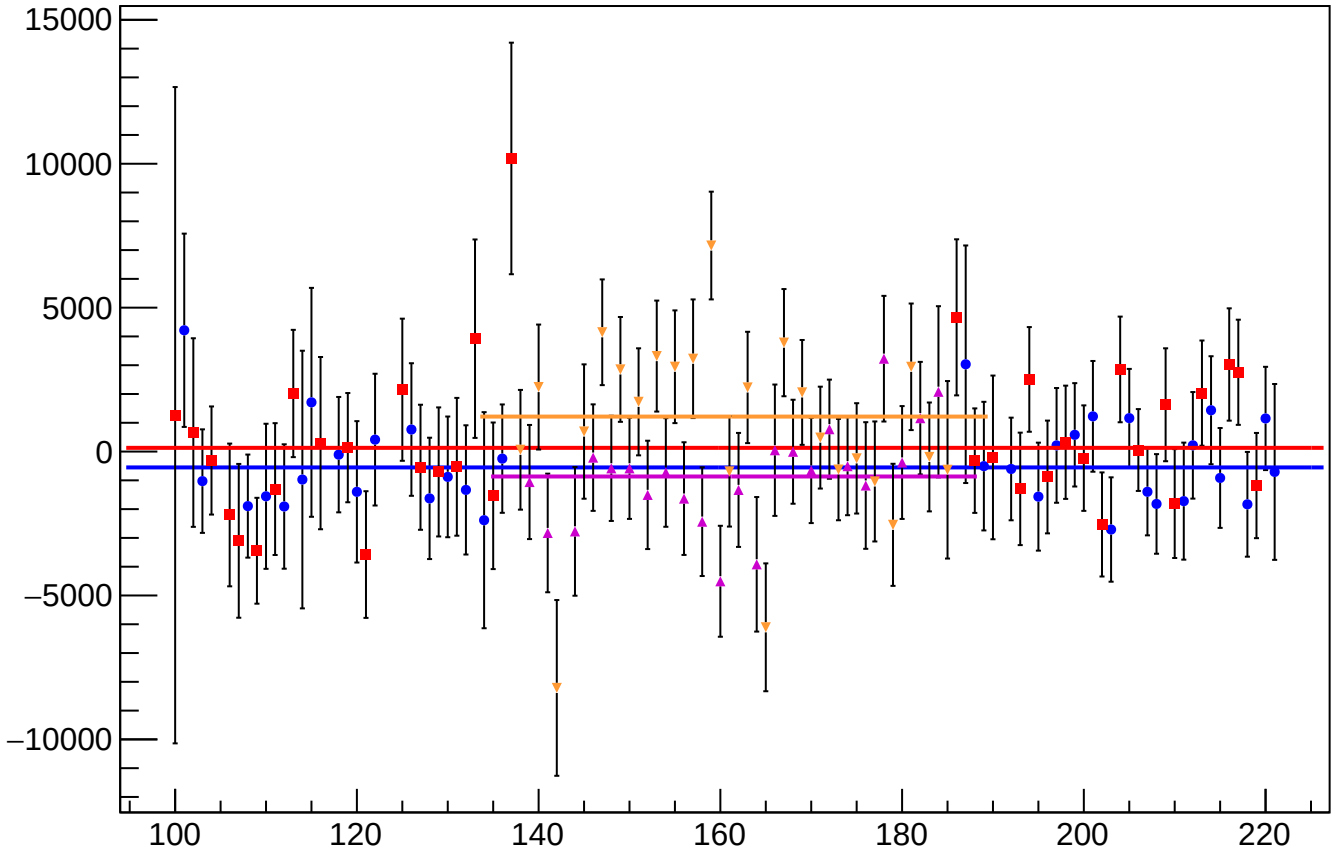
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 5911.205+/-0.726 χ^2/NDF: 18841345.6/68

In: 5958.664+/-0.748 χ^2/NDF:16406515.2/56

Out: 7433.660+/-0.869 χ^2/NDF:5304712.0/58

All: 6585.984+/-0.567 χ^2/NDF: 23365458.7/



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: 129.301+/-358.850 χ^2/NDF: 36.3/34

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

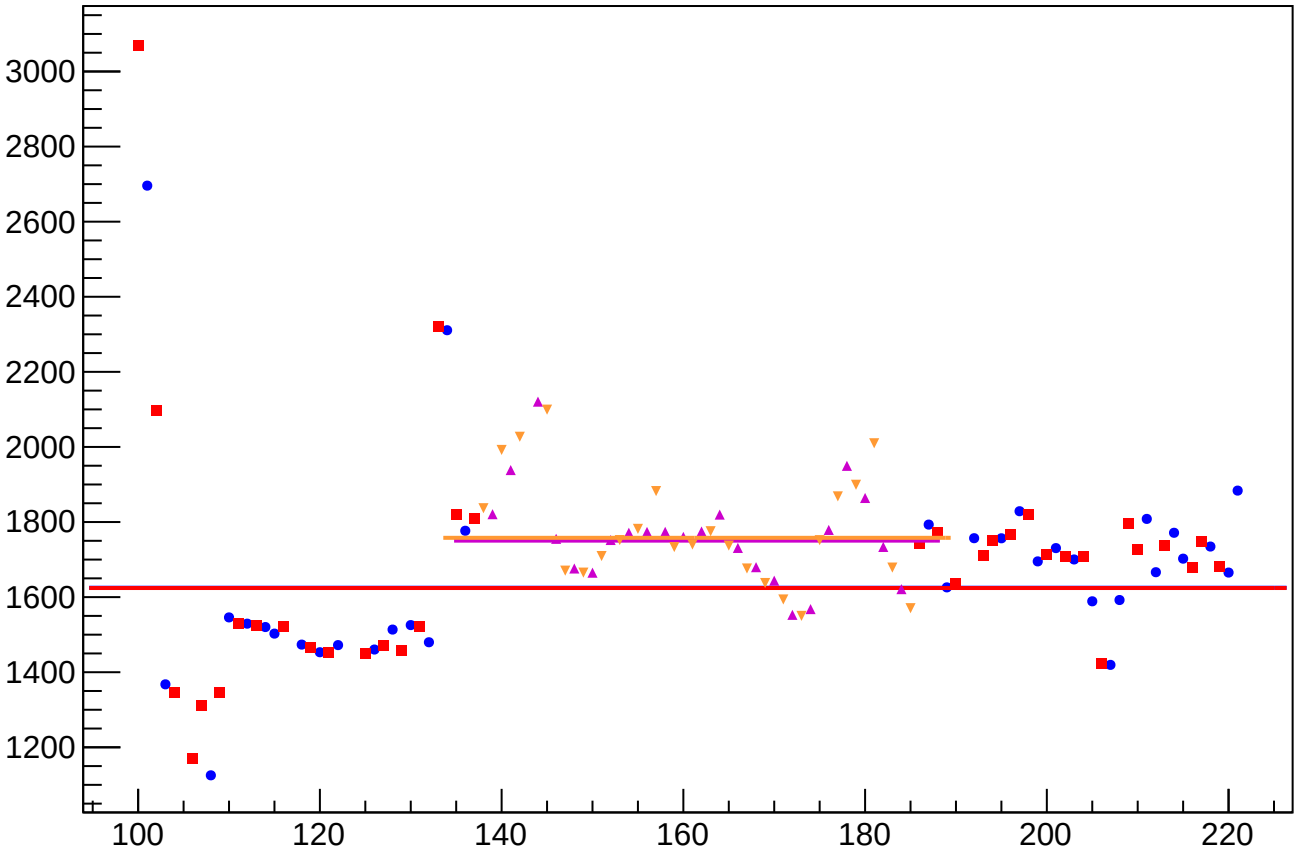
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -215.256+/-252.105 χ^2/NDF: 51.8/68

In: -685.664+/-268.066 χ^2/NDF:29.1/56

Out: 600.933+/-269.911 χ^2/NDF:88.8/58

All: -46.778+/-190.200 χ^2/NDF: 129.3/115



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: 1624.242+/-0.254 χ^2/NDF: 583057.8/34

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

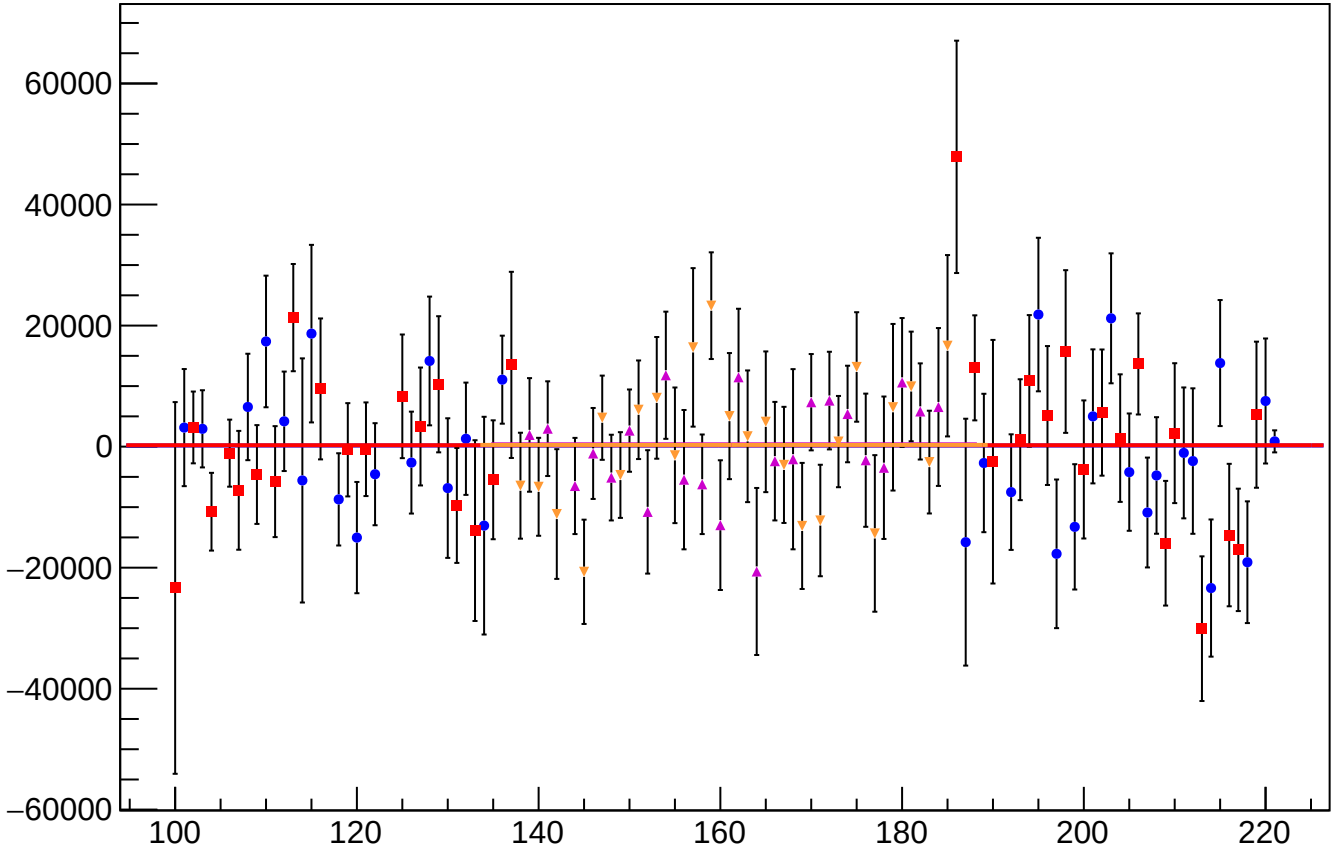
Right: 1624.634+/-0.178 χ^2/NDF: 1282672.4/68

In: 1678.638+/-0.190 χ^2/NDF:978711.6/56

Out: 1682.305+/-0.191 χ^2/NDF:916960.4/58

All: 1680.459+/-0.134 χ^2/NDF: 1895857.9/11

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



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: 230.151+/-1636.204 χ^2/NDF: 43.5/34

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

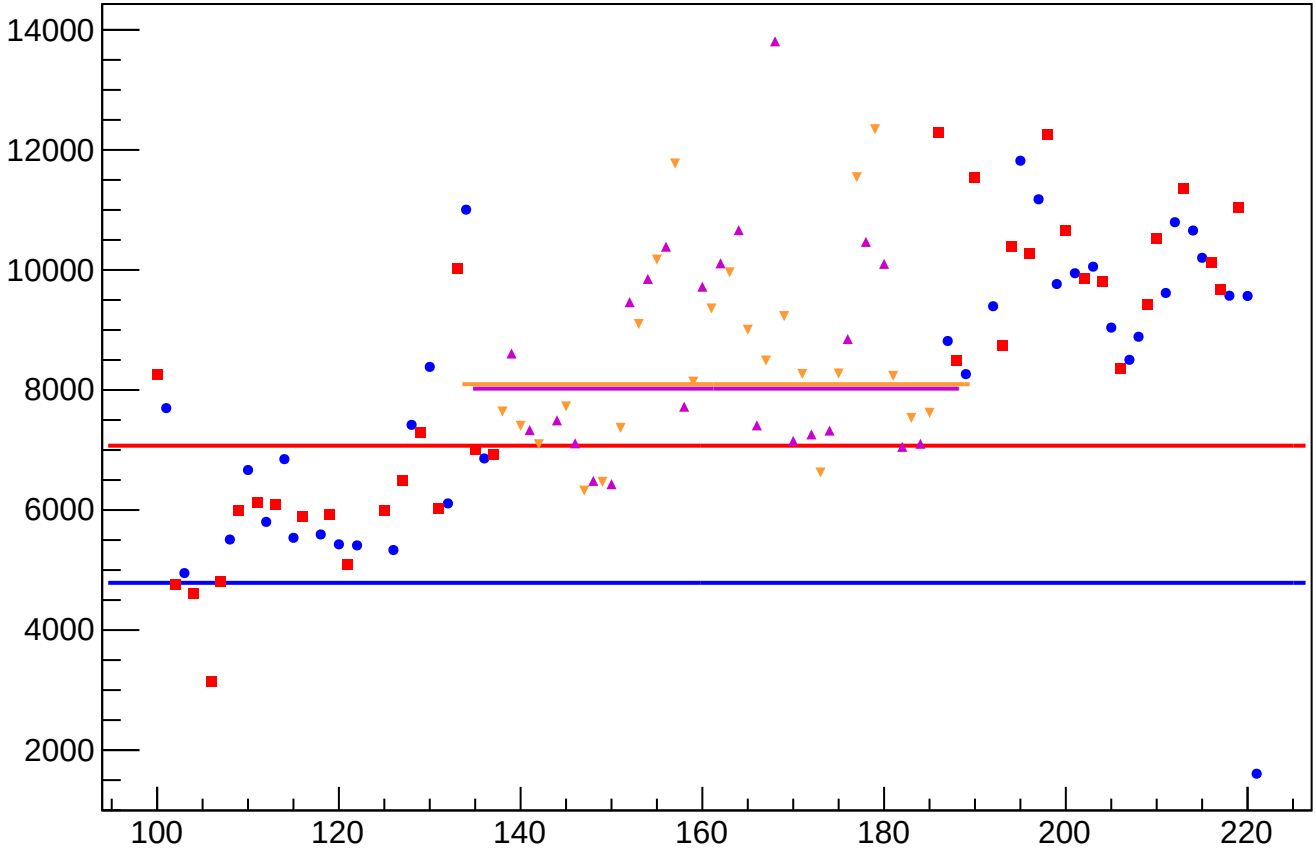
Right: 199.950+/-997.042 χ^2/NDF: 82.6/68

In: 242.648+/-1050.687 χ^2/NDF:52.7/56

Out: 253.193+/-1245.378 χ^2/NDF:72.2/58

All: 247.033+/-803.063 χ^2/NDF: 124.9/115

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: 7072.185+/-1.157 χ^2/NDF: 4658527.2/34

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

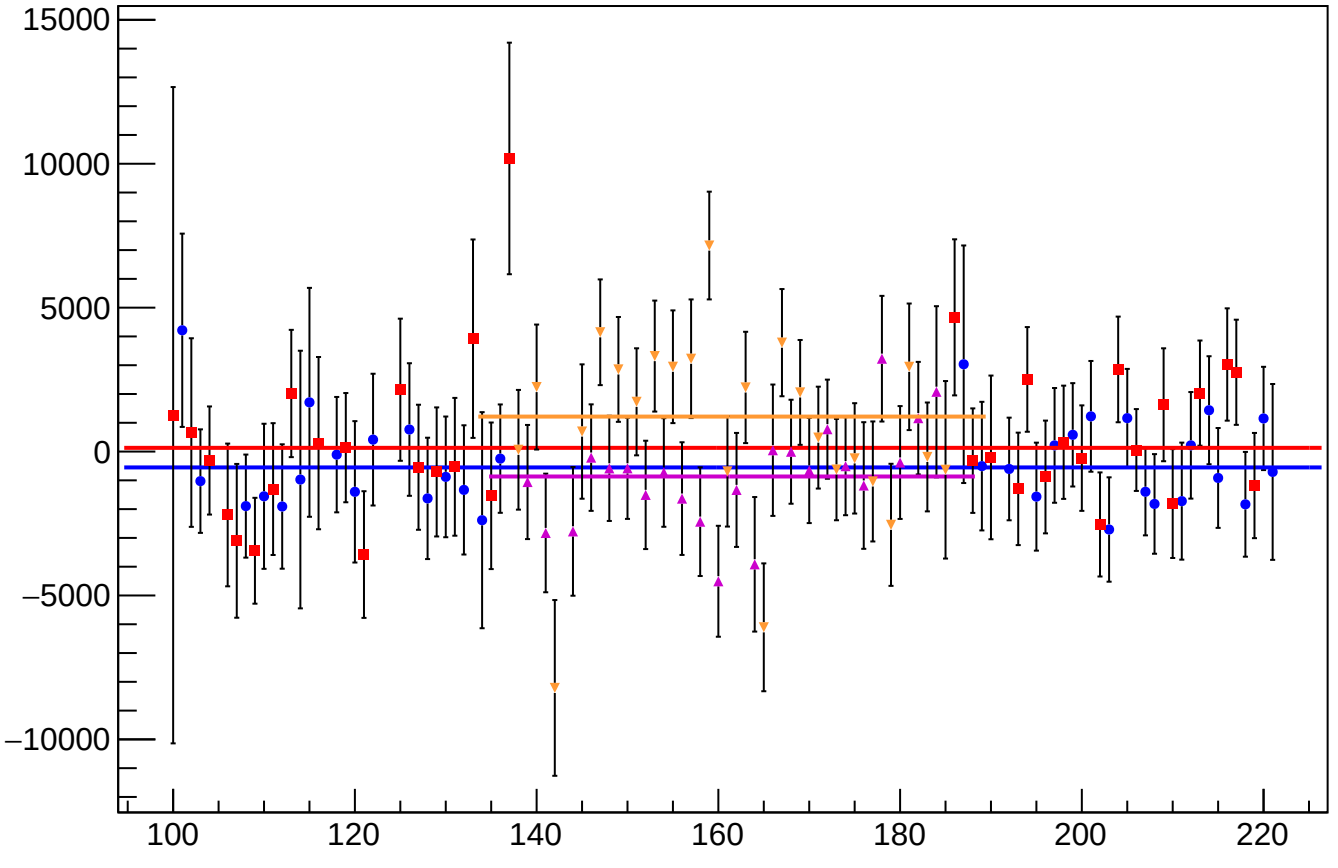
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 5635.758+/-0.705 χ^2/NDF: 21531452.8/68

In: 5763.954+/-0.743 χ^2/NDF:19643098.8/56

Out: 7503.216+/-0.881 χ^2/NDF:6076257.2/58

All: 6487.159+/-0.568 χ^2/NDF: 27998178.4/



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: 129.302+/-358.850 χ^2/NDF: 36.3/34

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

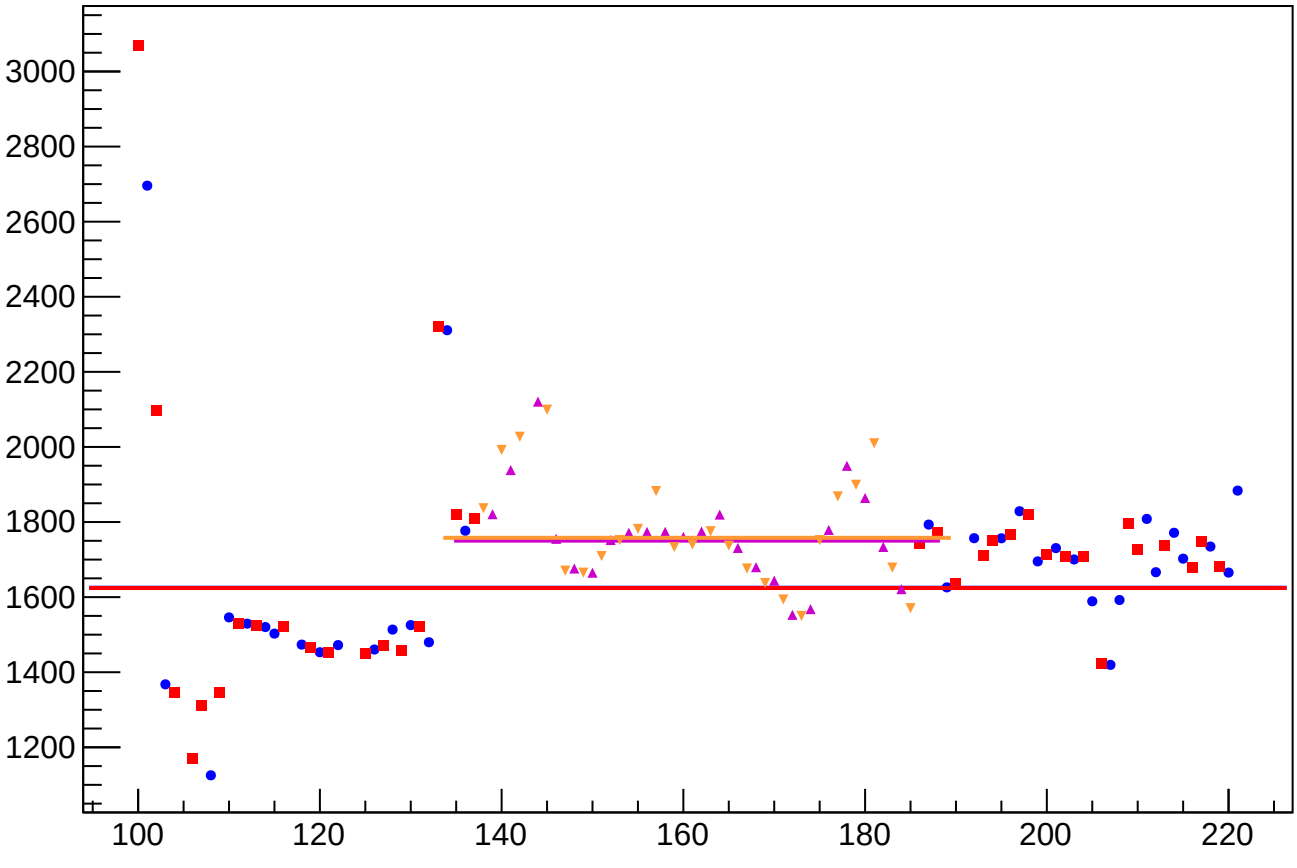
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -215.253+/-252.105 χ^2/NDF: 51.8/68

In: -685.661+/-268.066 χ^2/NDF:29.1/56

Out: 600.937+/-269.911 χ^2/NDF:88.8/58

All: -46.775+/-190.200 χ^2/NDF: 129.3/115



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: 1624.242+/-0.254 χ^2/NDF: 583058.8/34

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

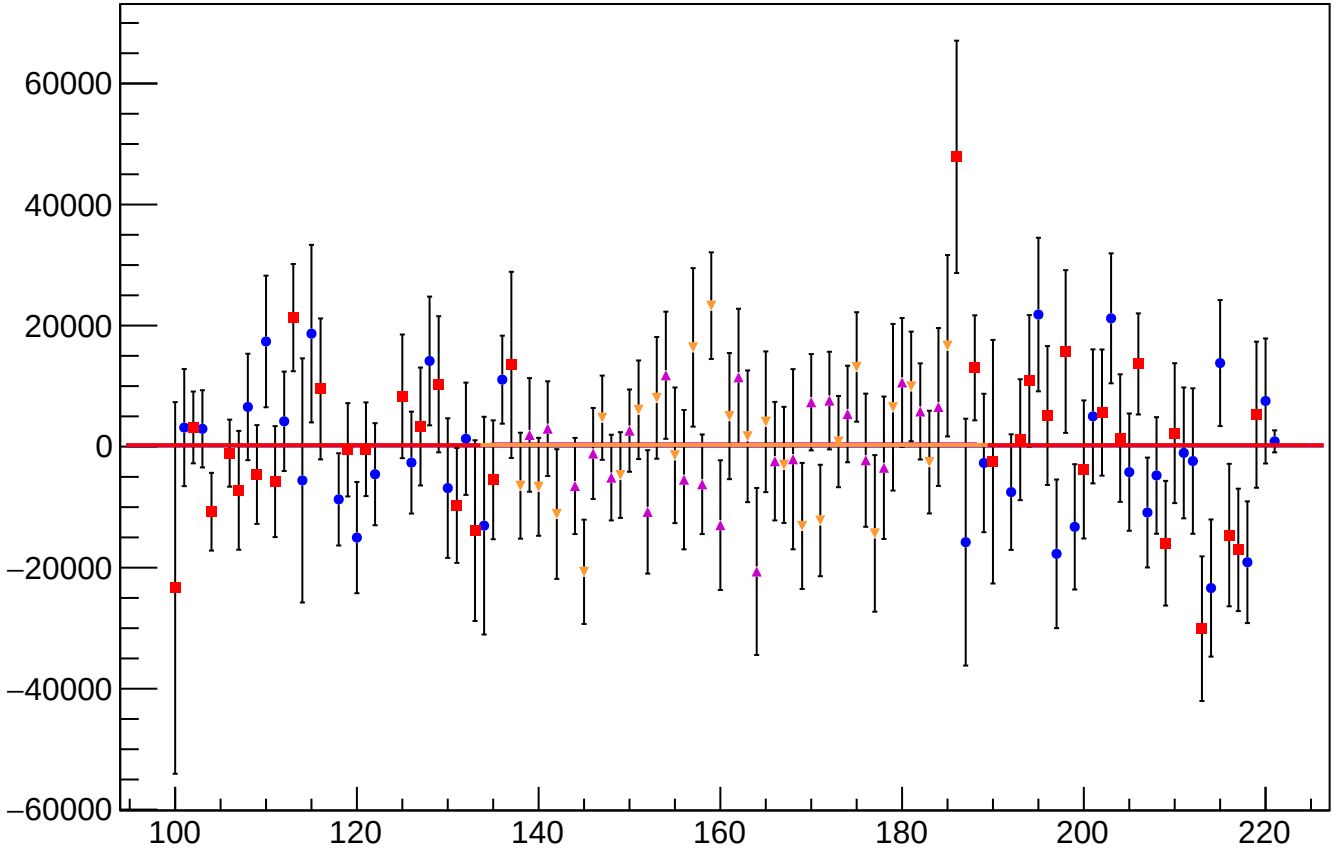
Right: 1624.634+/-0.178 χ^2/NDF: 1282673.5/68

In: 1678.640+/-0.190 χ^2/NDF:978724.1/56

Out: 1682.307+/-0.191 χ^2/NDF:916974.1/58

All: 1680.461+/-0.134 χ^2/NDF: 1895884.1/11

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: 230.143+/-1636.203 χ^2/NDF: 43.5/34

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

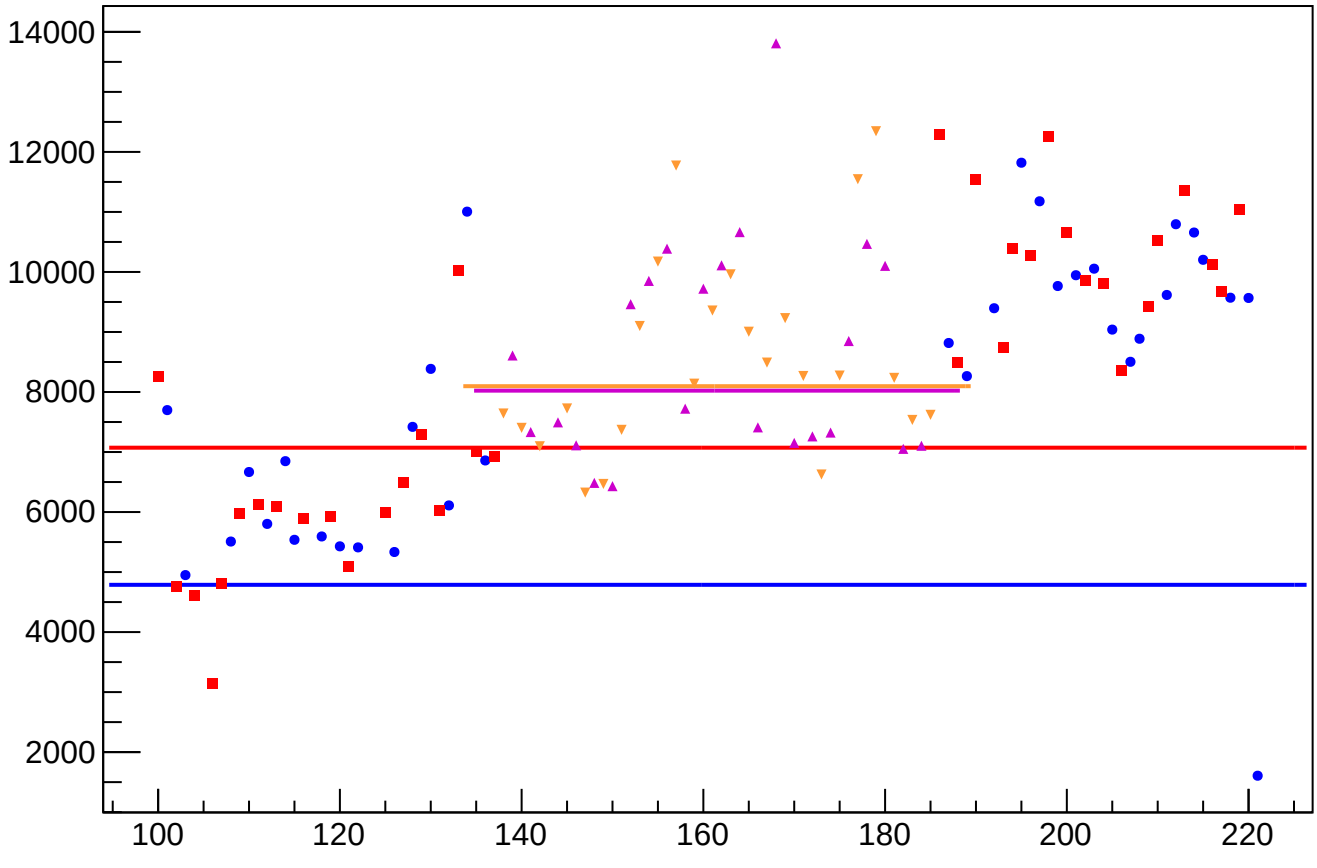
Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

Right: 199.946+/-997.042 χ^2/NDF: 82.6/68

In: 242.648+/-1050.688 χ^2/NDF:52.7/56

Out: 253.189+/-1245.379 χ^2/NDF:72.2/58

All: 247.031+/-803.064 χ^2/NDF: 124.9/115



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: 7072.176+/-1.157 χ^2/NDF: 4658564.0/34

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

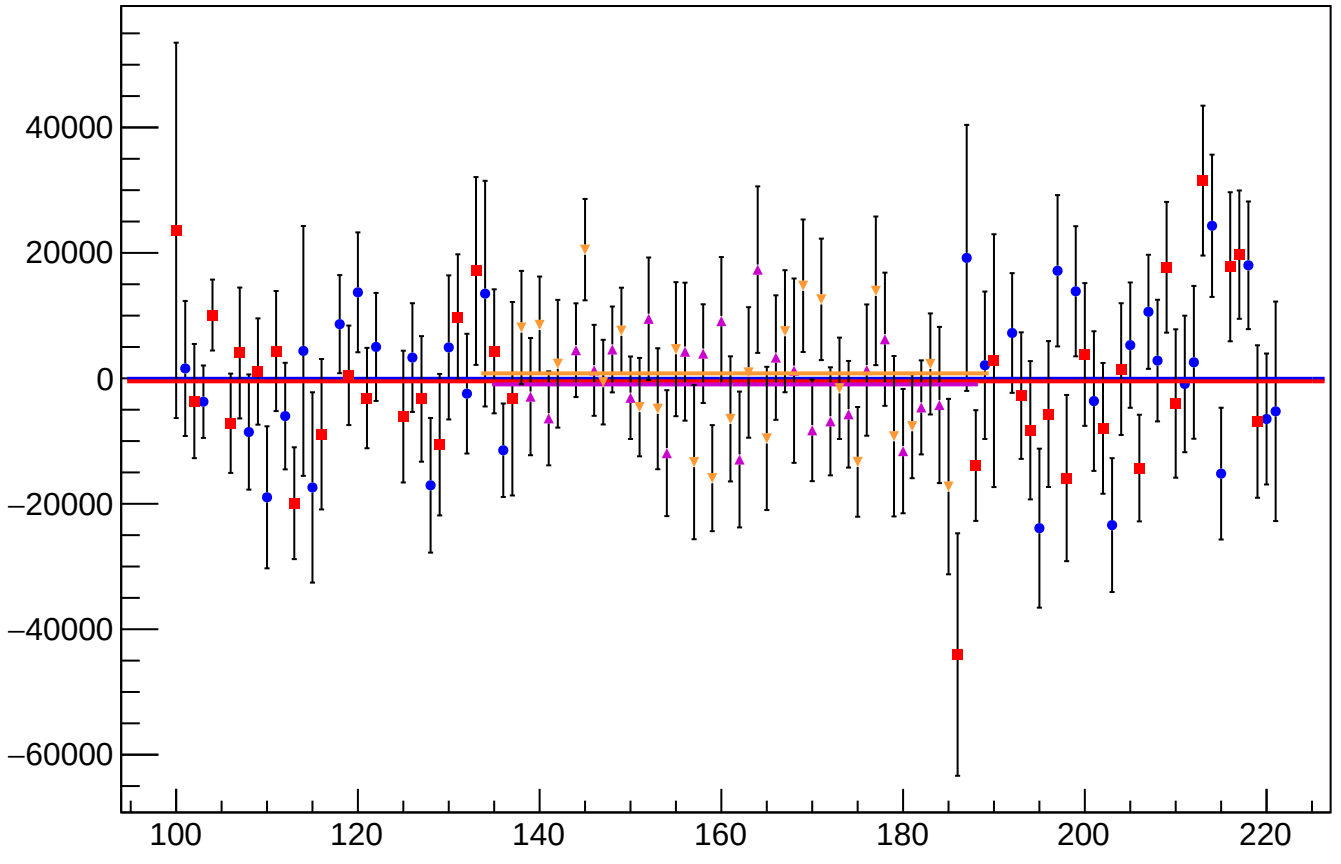
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 5635.759+/-0.705 χ^2/NDF: 21531442.3/68

In: 5763.959+/-0.743 χ^2/NDF:19643091.0/56

Out: 7503.215+/-0.881 χ^2/NDF:6076310.0/58

All: 6487.163+/-0.568 χ^2/NDF: 27998203.2/



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: -473.416+/-1722.581 χ^2/NDF: 44.4/34

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

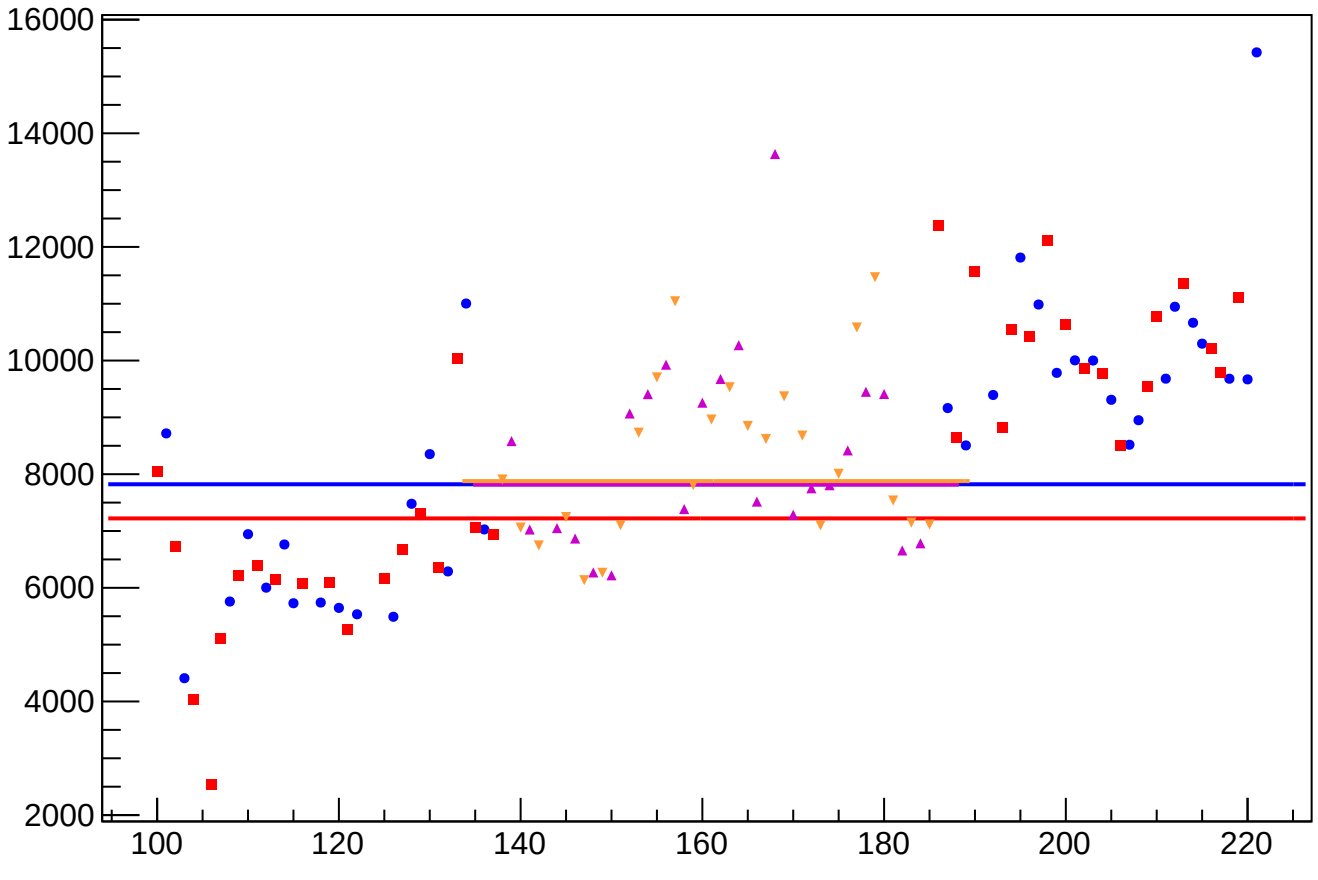
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -275.414+/-1226.274 χ^2/NDF: 85.6/68

In: -489.838+/-1273.013 χ^2/NDF:54.1/56

Out: 108.761+/-1265.440 χ^2/NDF:71.8/58

All: -188.753+/-897.467 χ^2/NDF: 126.1/115



Right In: 7822.712+/-1.235 χ^2/NDF: 3288713.4/33

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 7221.894+/-1.191 χ^2/NDF: 4848985.3/34

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

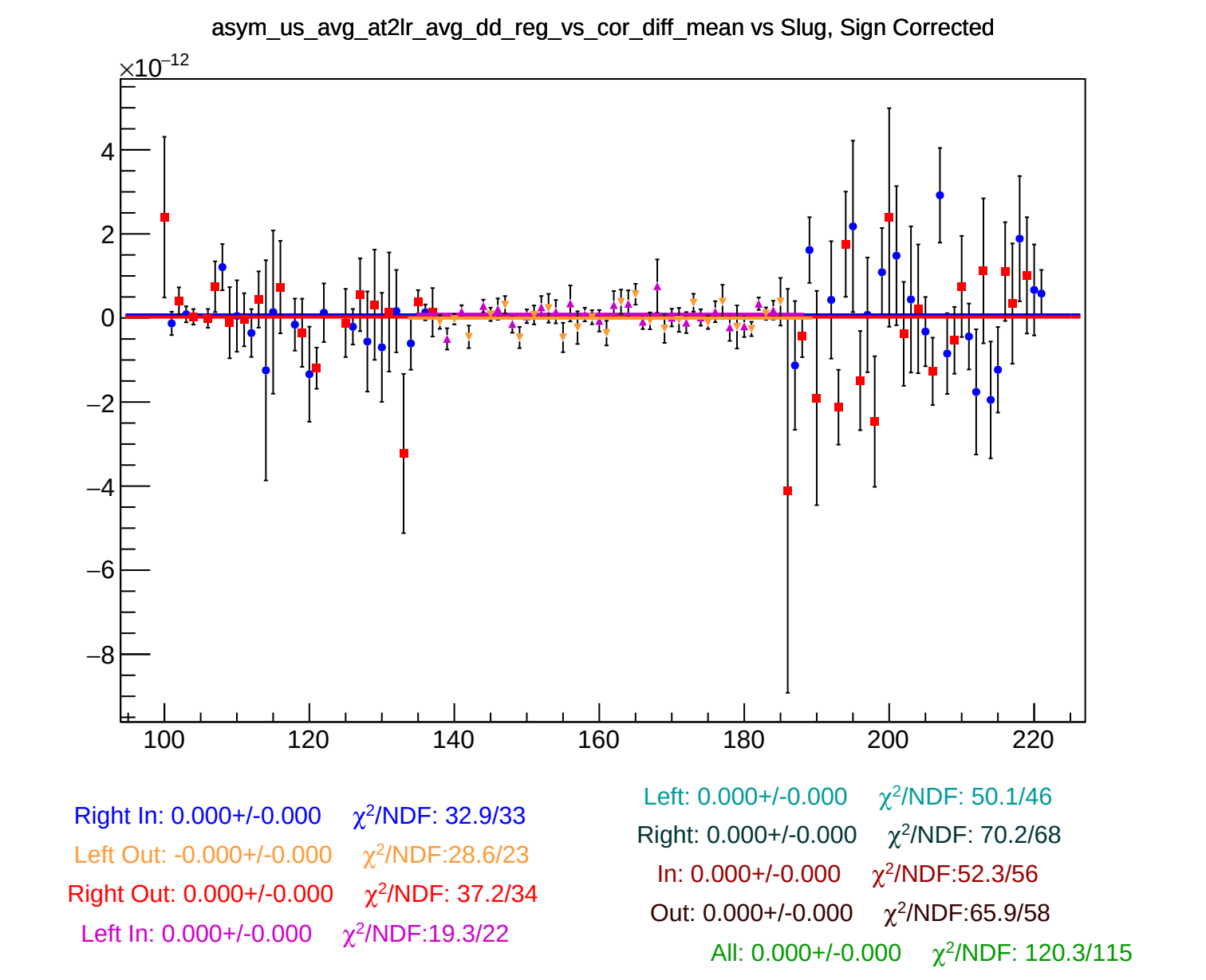
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 7511.579+/-0.857 χ^2/NDF: 8260326.9/68

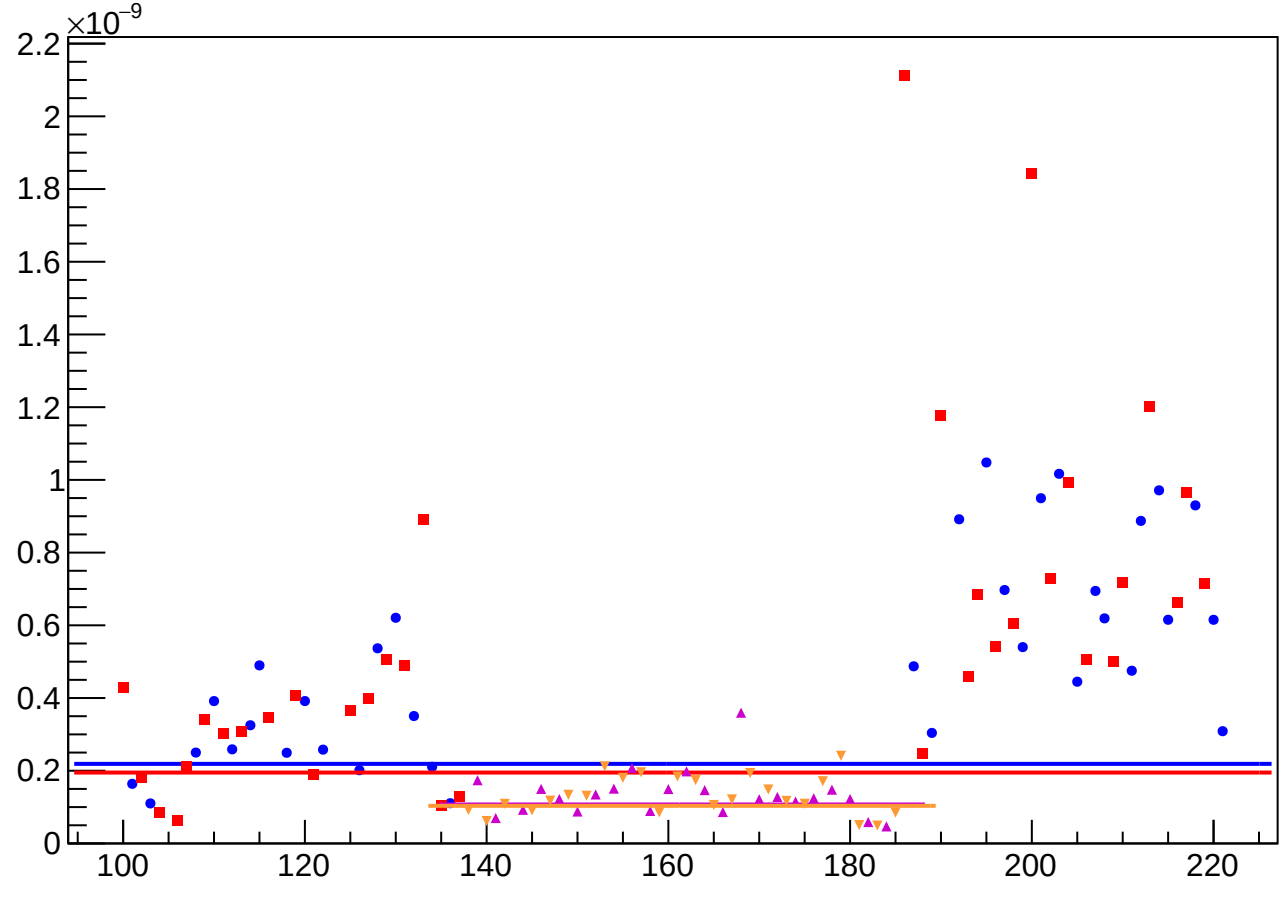
In: 7819.777+/-0.900 χ^2/NDF:4421093.6/56

Out: 7516.928+/-0.884 χ^2/NDF:5975529.5/58

All: 7665.620+/-0.631 χ^2/NDF: 10454240.8/1


asym_us_avg_at2lr_avg_dd_reg_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: 32.9/33
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 37.2/34
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 70.2/68
In: 0.000+/-0.000 χ²/NDF:52.3/56
Out: 0.000+/-0.000 χ²/NDF:65.9/58
All: 0.000+/-0.000 χ²/NDF: 120.3/115

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: 8700412.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

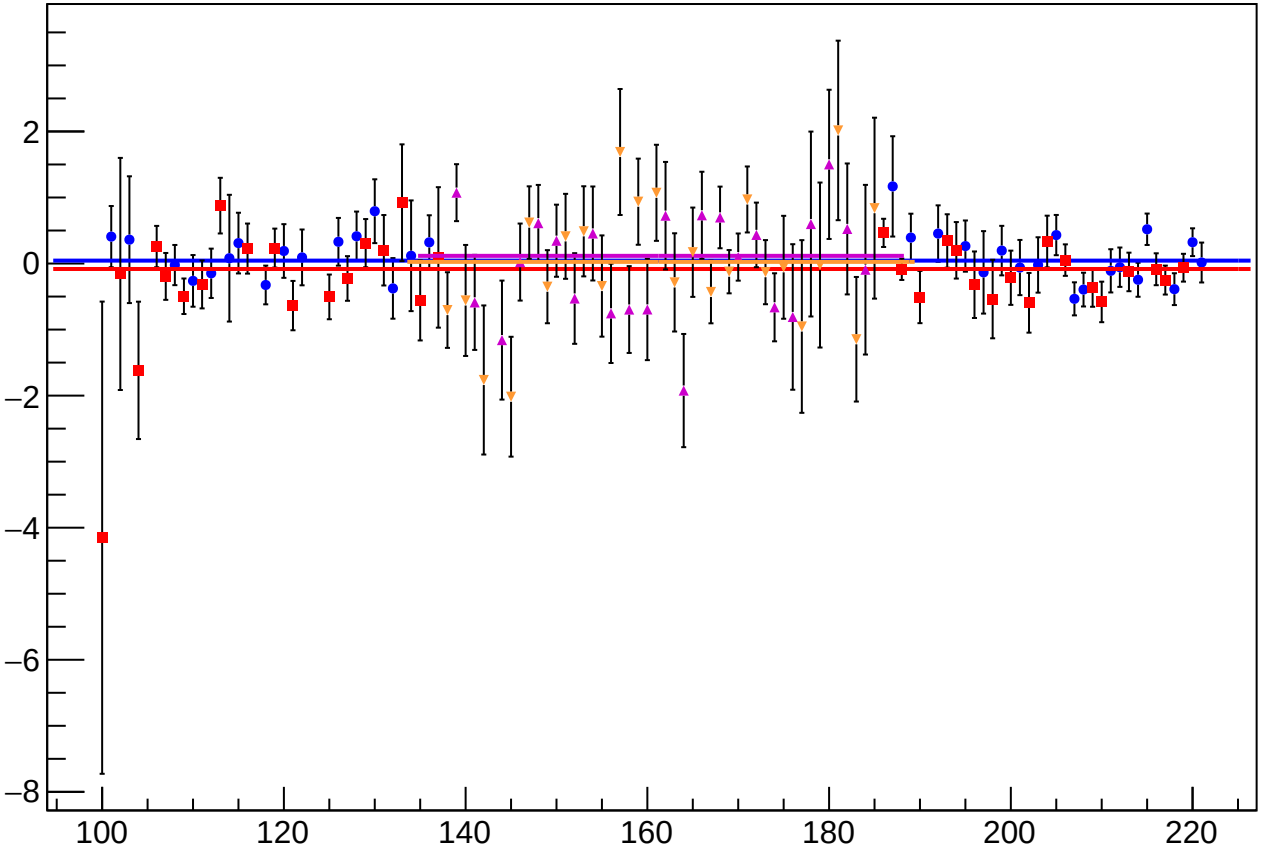
Right: 0.000+/-0.000 χ^2/NDF: 15988650.6/68

In: 0.000+/-0.000 χ^2/NDF:11054018.1/56

Out: 0.000+/-0.000 χ^2/NDF:12117603.3/58

All: 0.000+/-0.000 χ^2/NDF: 23210171.1/115

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: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

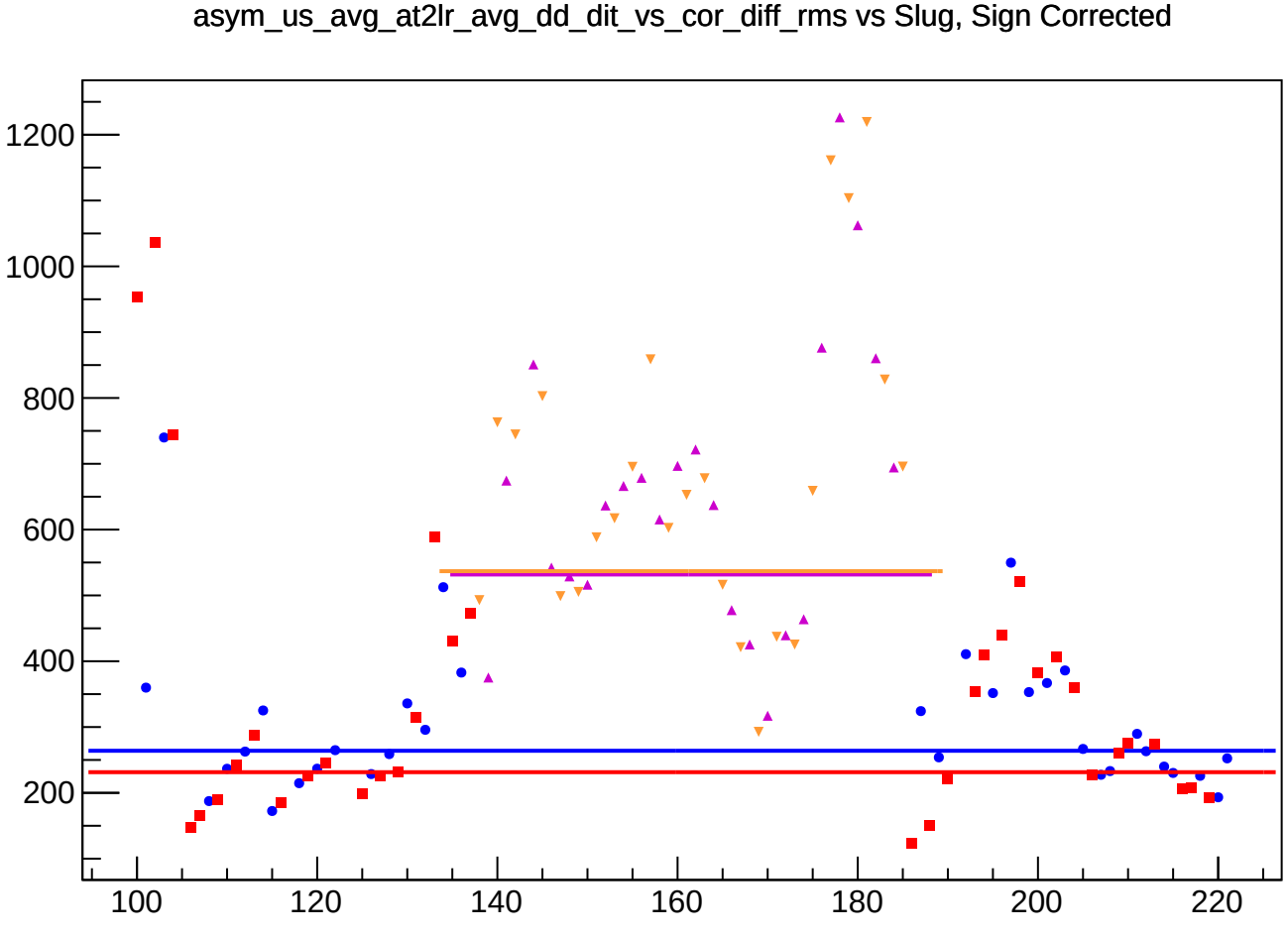
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.023+/-0.041 χ^2/NDF: 75.6/68

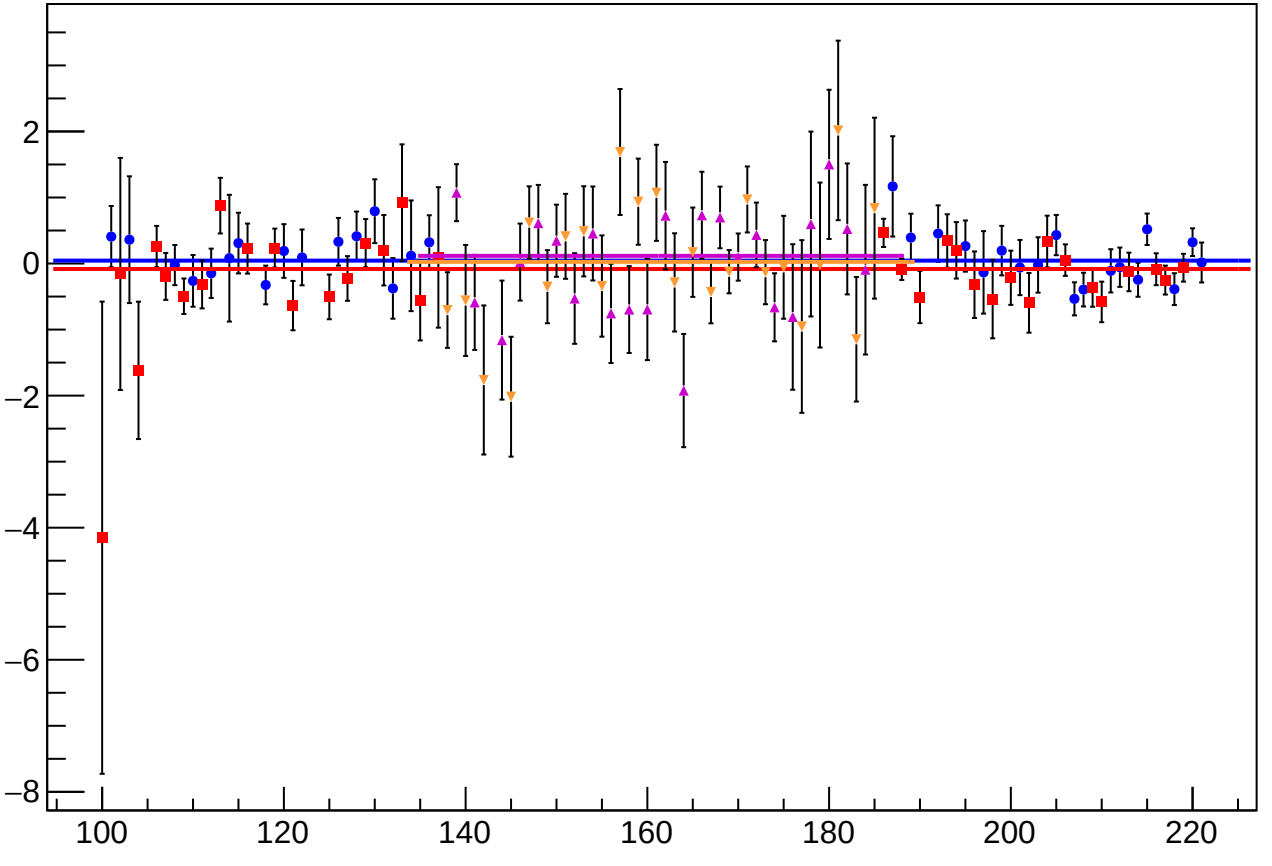
In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.008+/-0.037 χ^2/NDF: 133.5/115


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 263.956+/-0.042 χ²/NDF: 2879693.4/33
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 231.422+/-0.039 χ²/NDF: 5406494.3/34
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
Left: 534.267+/-0.067 χ²/NDF: 7345889.1/46
Right: 246.565+/-0.029 χ²/NDF: 8602275.0/68
In: 309.337+/-0.039 χ²/NDF:13050947.1/56
Out: 276.614+/-0.036 χ²/NDF:18224923.9/58
All: 292.053+/-0.026 χ²/NDF: 31656300.8/11

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: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

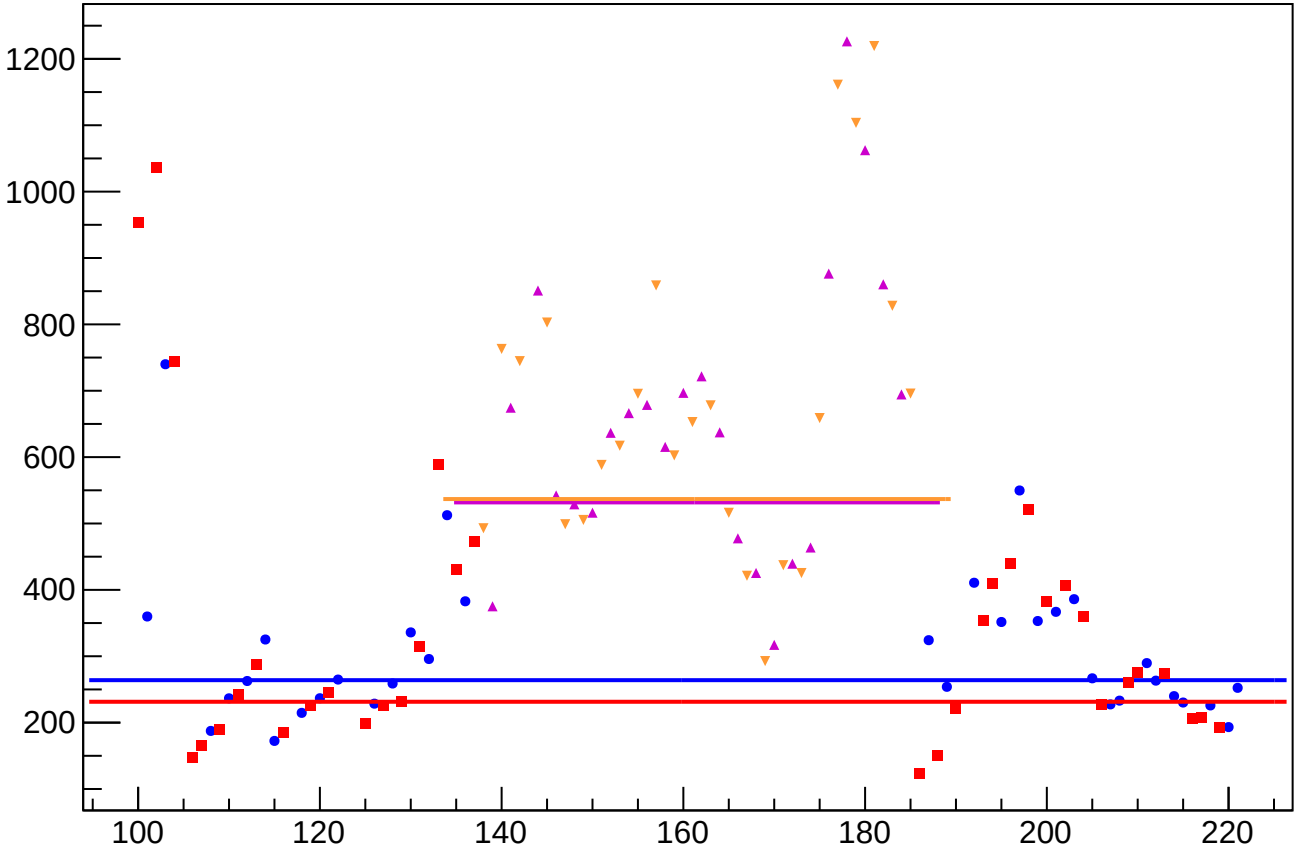
Right: -0.023+/-0.041 χ^2/NDF: 75.6/68

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.008+/-0.037 χ^2/NDF: 133.5/115

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: 231.422+/-0.039 χ^2/NDF: 5406494.3/34

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

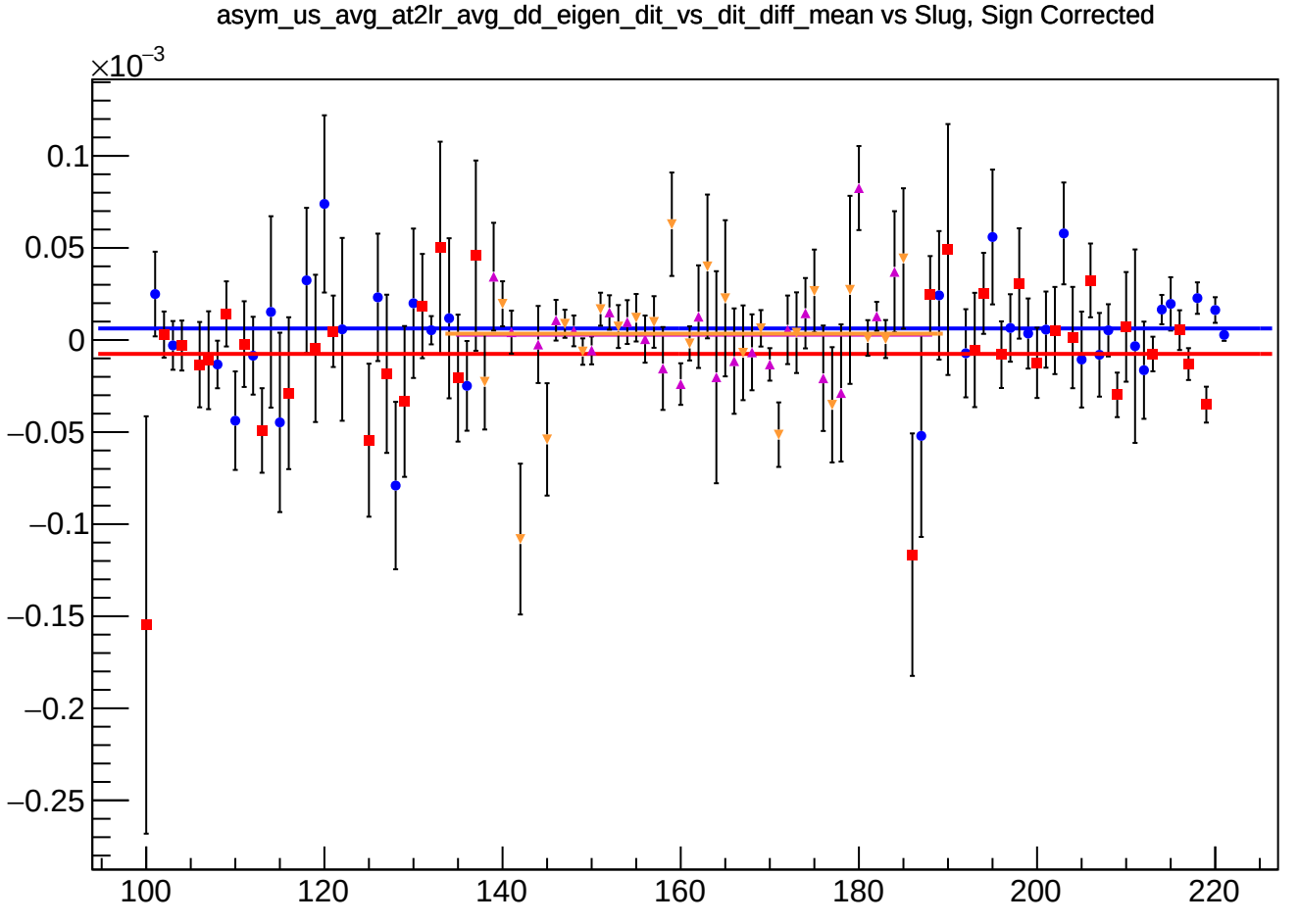
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 246.565+/-0.029 χ^2/NDF: 8602275.0/68

In: 309.337+/-0.039 χ^2/NDF:13050947.1/56

Out: 276.614+/-0.036 χ^2/NDF:18224923.9/58

All: 292.053+/-0.026 χ^2/NDF: 31656300.8/11



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: 40.4/34

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

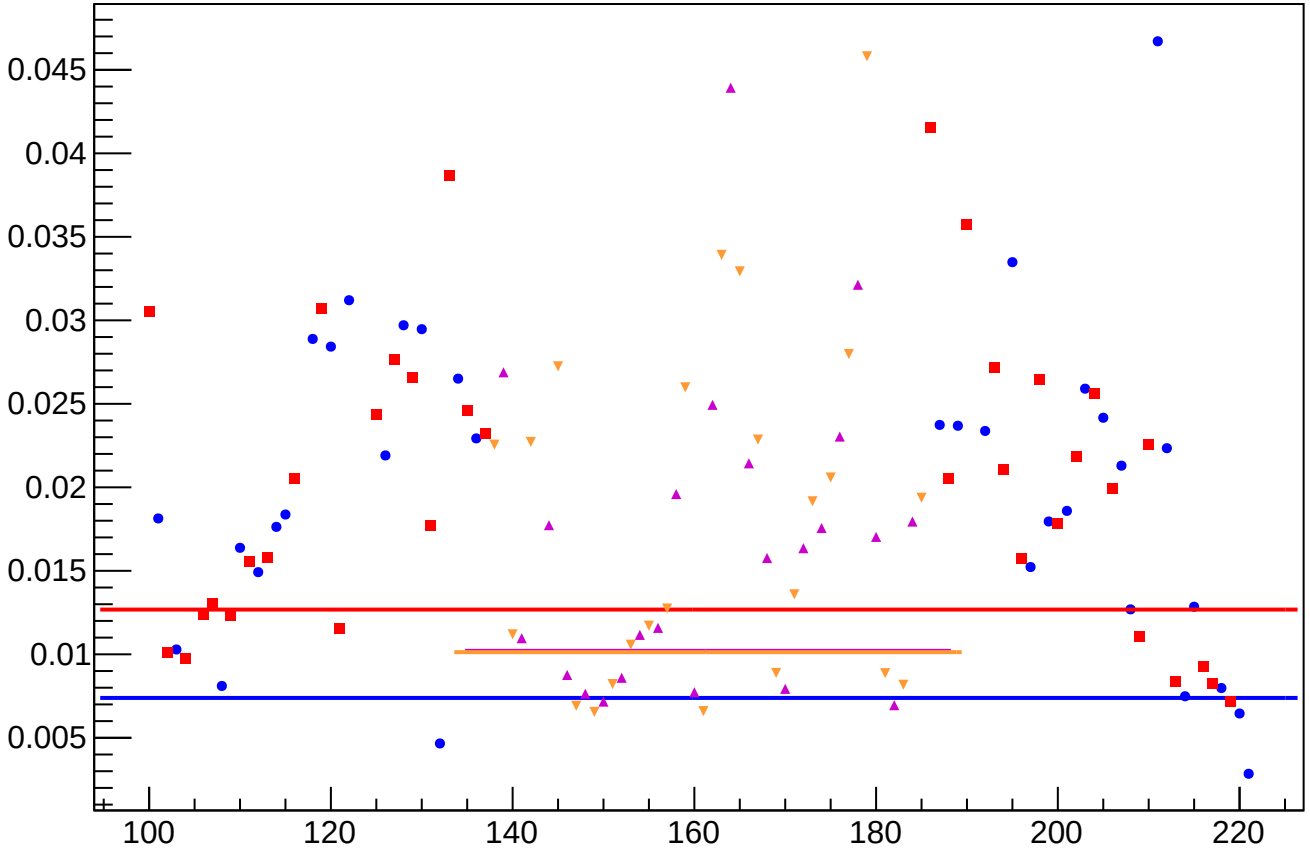
Right: 0.000+/-0.000 χ^2/NDF: 88.2/68

In: 0.000+/-0.000 χ^2/NDF:67.8/56

Out: -0.000+/-0.000 χ^2/NDF:86.4/58

All: 0.000+/-0.000 χ^2/NDF: 159.6/115

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: 0.013+/-0.000 χ^2/NDF: 7488486.5/34

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

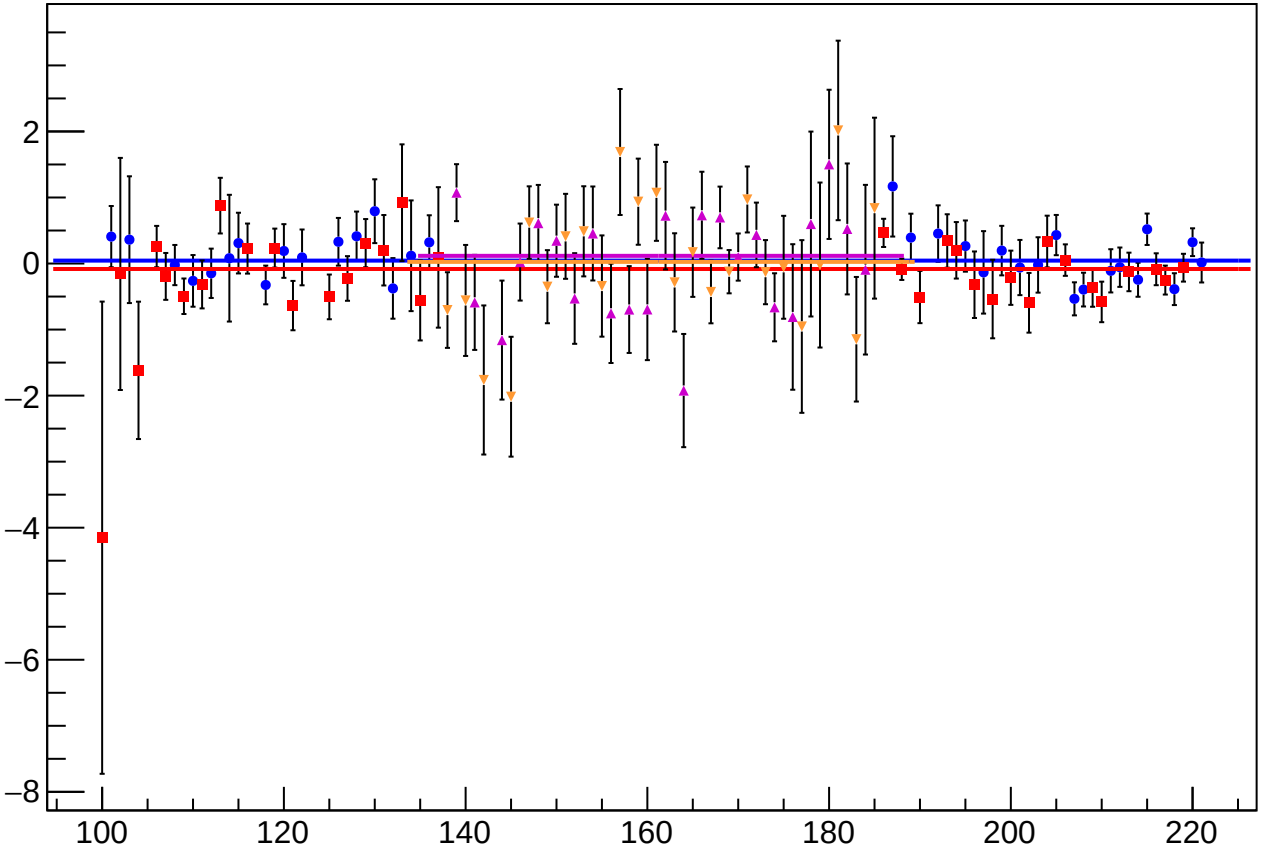
Right: 0.009+/-0.000 χ^2/NDF: 29756526.1/68

In: 0.008+/-0.000 χ^2/NDF:25793848.5/56

Out: 0.011+/-0.000 χ^2/NDF:16044428.5/58

All: 0.010+/-0.000 χ^2/NDF: 43988050.0/115

asym_us_avg_at2lr_avg_dd_eigen_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: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

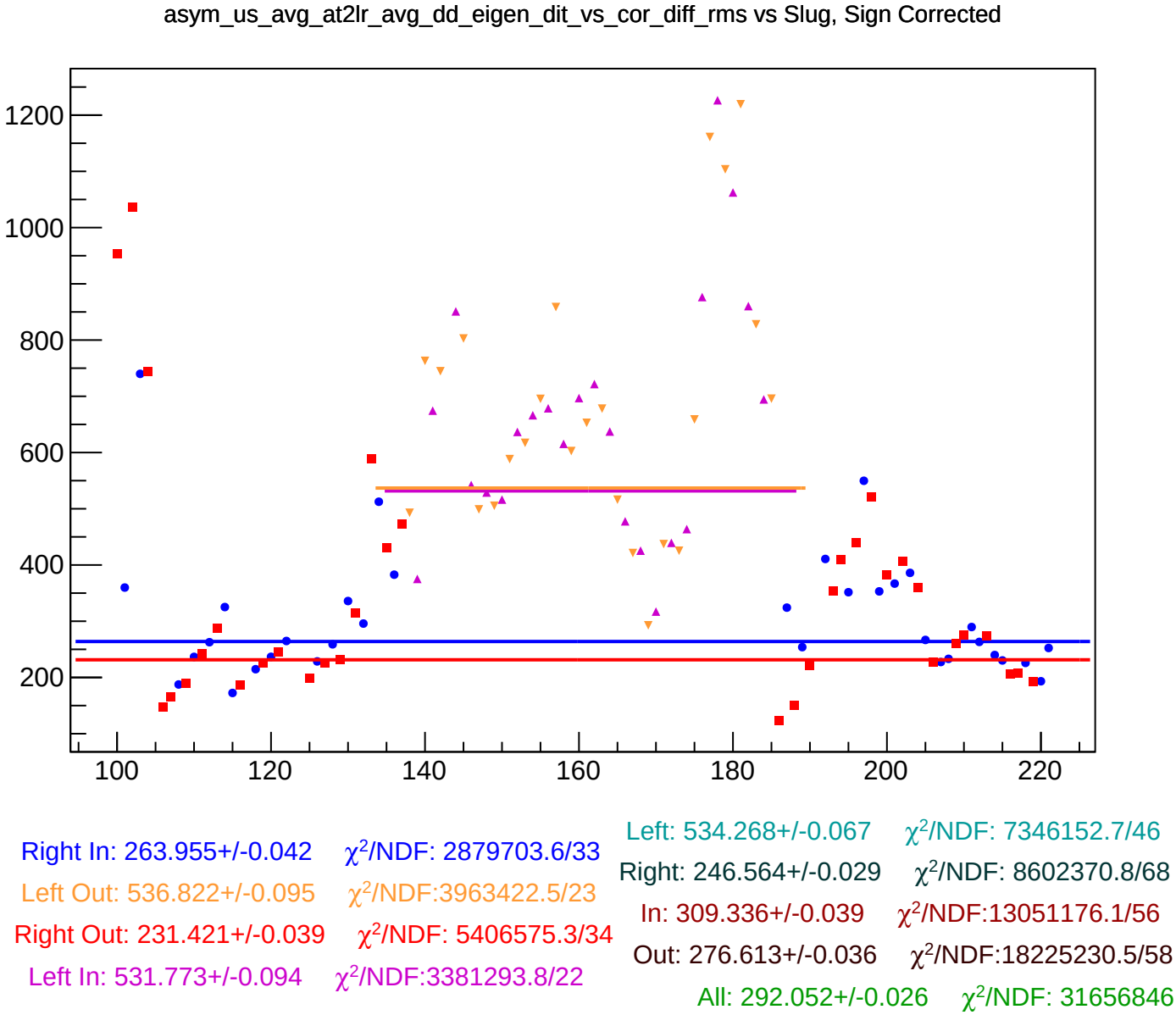
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.023+/-0.041 χ^2/NDF: 75.6/68

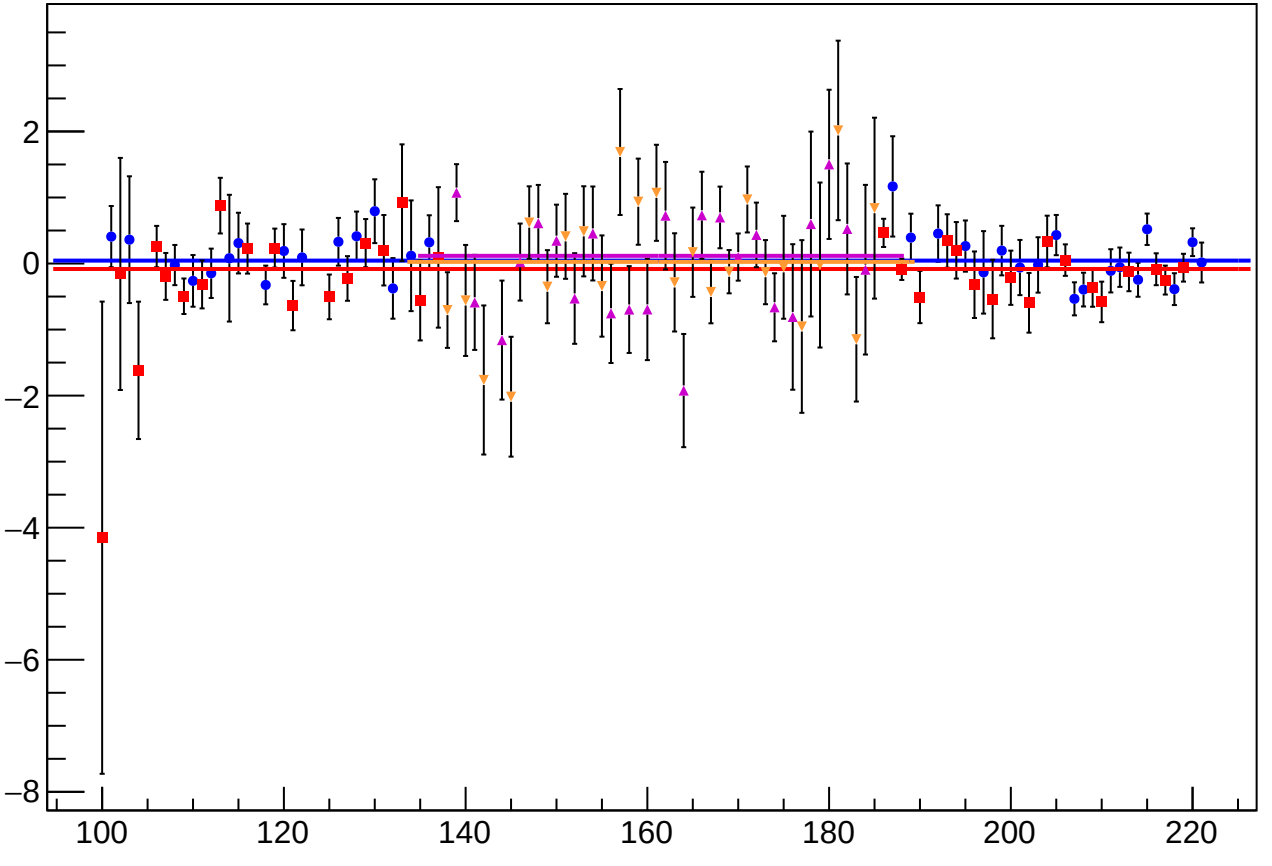
In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.008+/-0.037 χ^2/NDF: 133.5/115


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 263.955+/-0.042 χ²/NDF: 2879703.6/33
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 231.421+/-0.039 χ²/NDF: 5406575.3/34
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 246.564+/-0.029 χ²/NDF: 8602370.8/68
In: 309.336+/-0.039 χ²/NDF:13051176.1/56
Out: 276.613+/-0.036 χ²/NDF:18225230.5/58
All: 292.052+/-0.026 χ²/NDF: 31656846.1/11

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: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

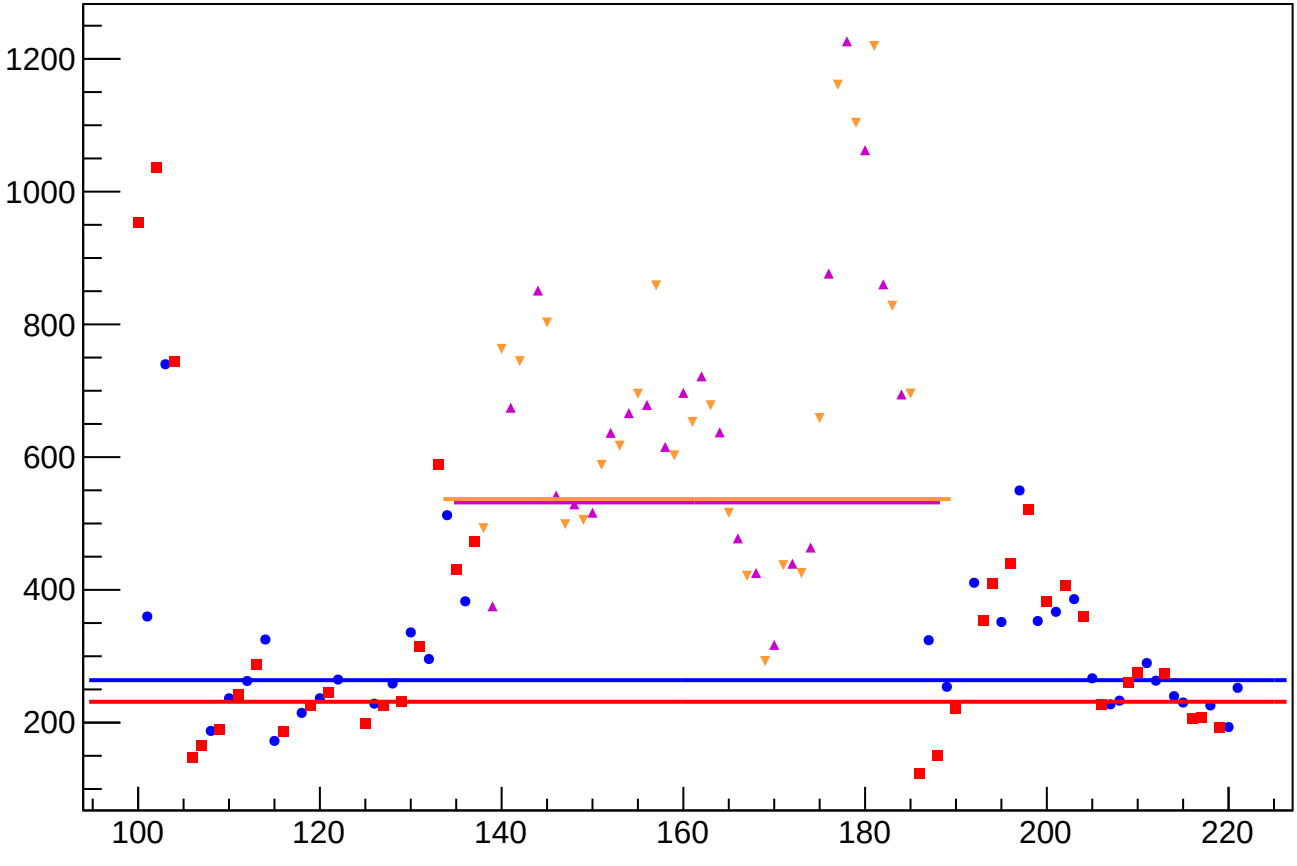
Right: -0.023+/-0.041 χ^2/NDF: 75.6/68

In: 0.057+/-0.055 χ^2/NDF:62.2/56

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.008+/-0.037 χ^2/NDF: 133.5/115

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: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

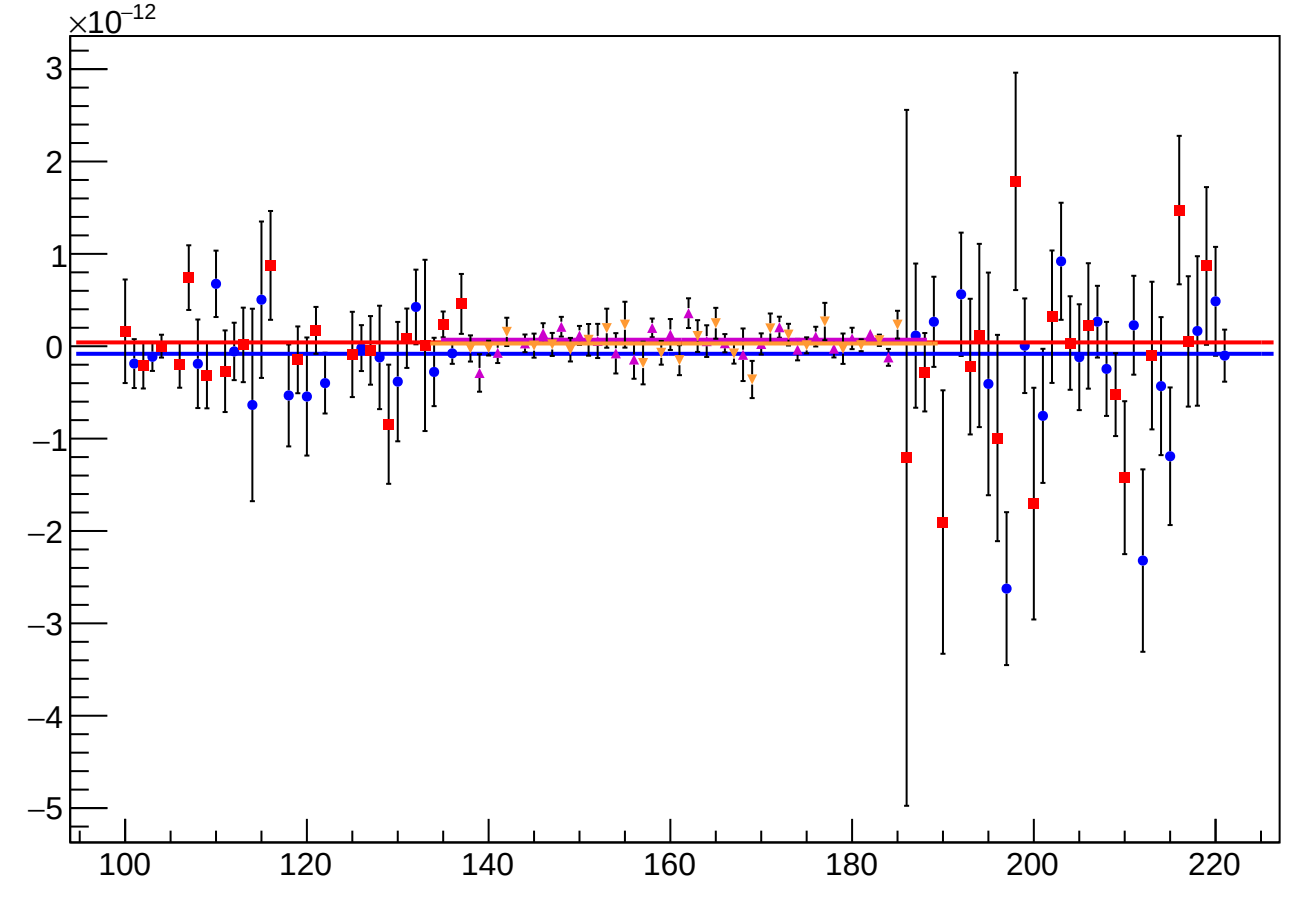
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 246.564+/-0.029 χ^2/NDF: 8602370.8/68

In: 309.336+/-0.039 χ^2/NDF:13051176.1/56

Out: 276.613+/-0.036 χ^2/NDF:18225230.5/58

All: 292.052+/-0.026 χ^2/NDF: 31656846.1/11



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: 32.6/34

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

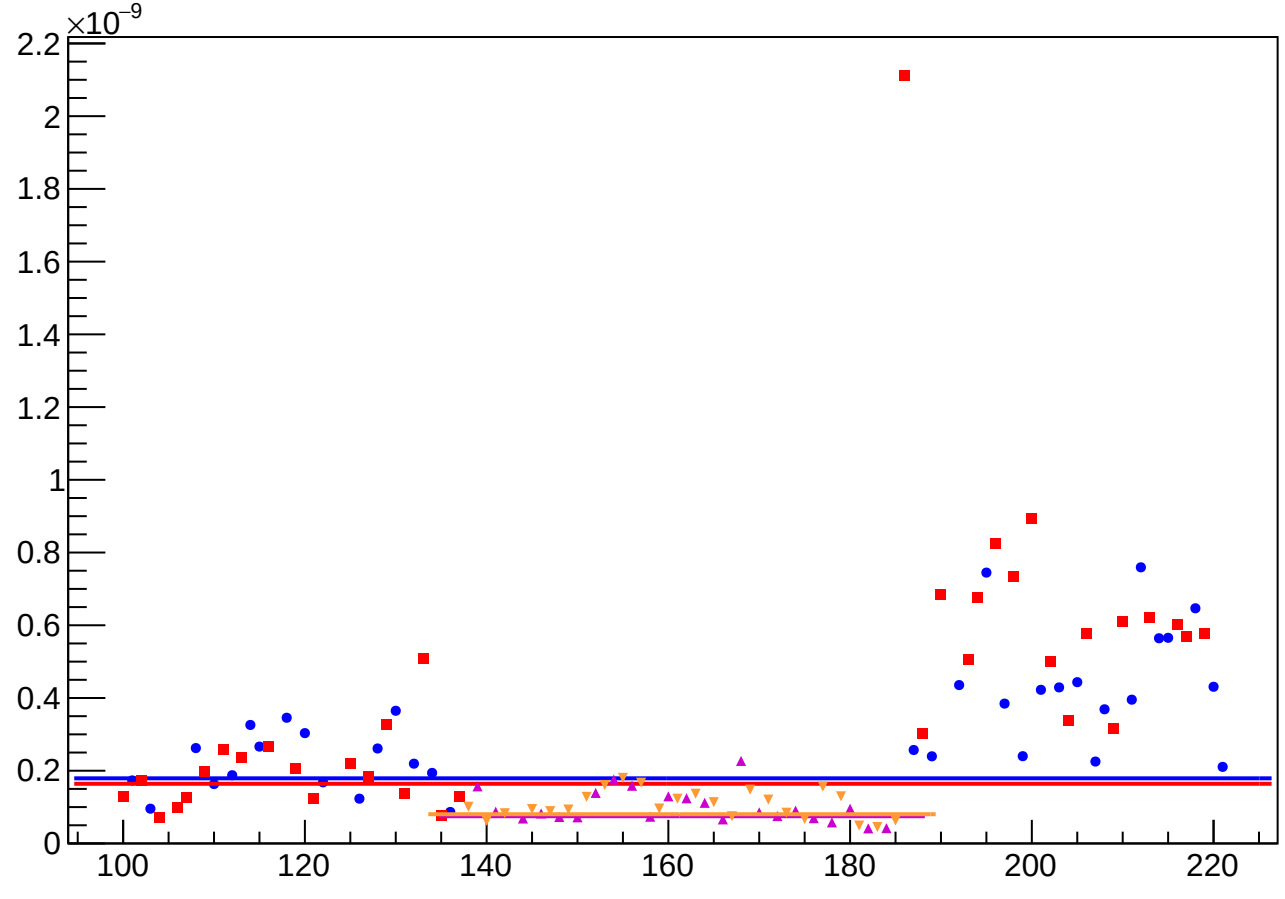
Right: -0.000+/-0.000 χ^2/NDF: 68.6/68

In: 0.000+/-0.000 χ^2/NDF:62.8/56

Out: 0.000+/-0.000 χ^2/NDF:50.3/58

All: 0.000+/-0.000 χ^2/NDF: 113.5/115

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: 11280491.8/34

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

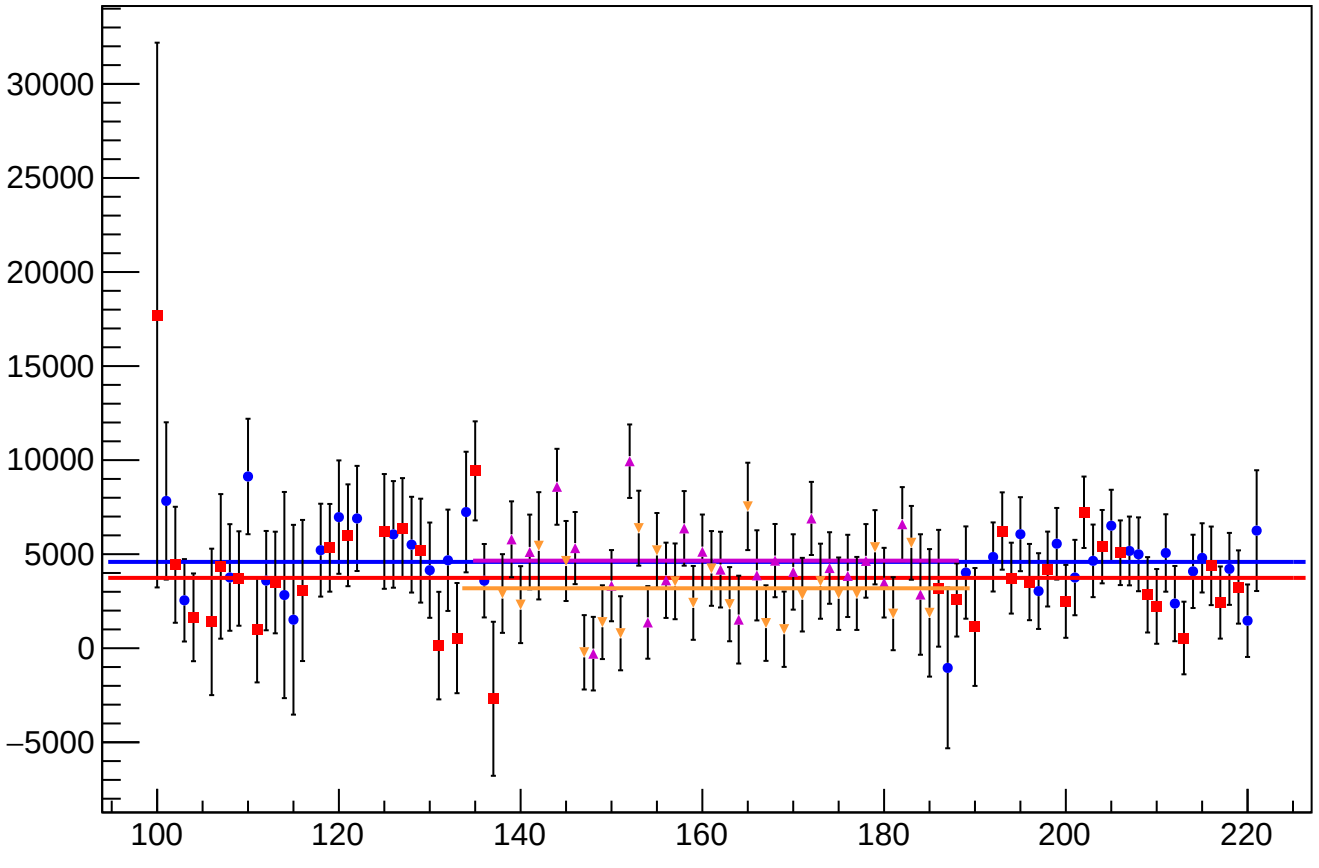
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 19345861.6/68

In: 0.000+/-0.000 χ^2/NDF:16739081.0/56

Out: 0.000+/-0.000 χ^2/NDF:18297831.1/58

All: 0.000+/-0.000 χ^2/NDF: 35070927.4/115



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: 3739.195+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

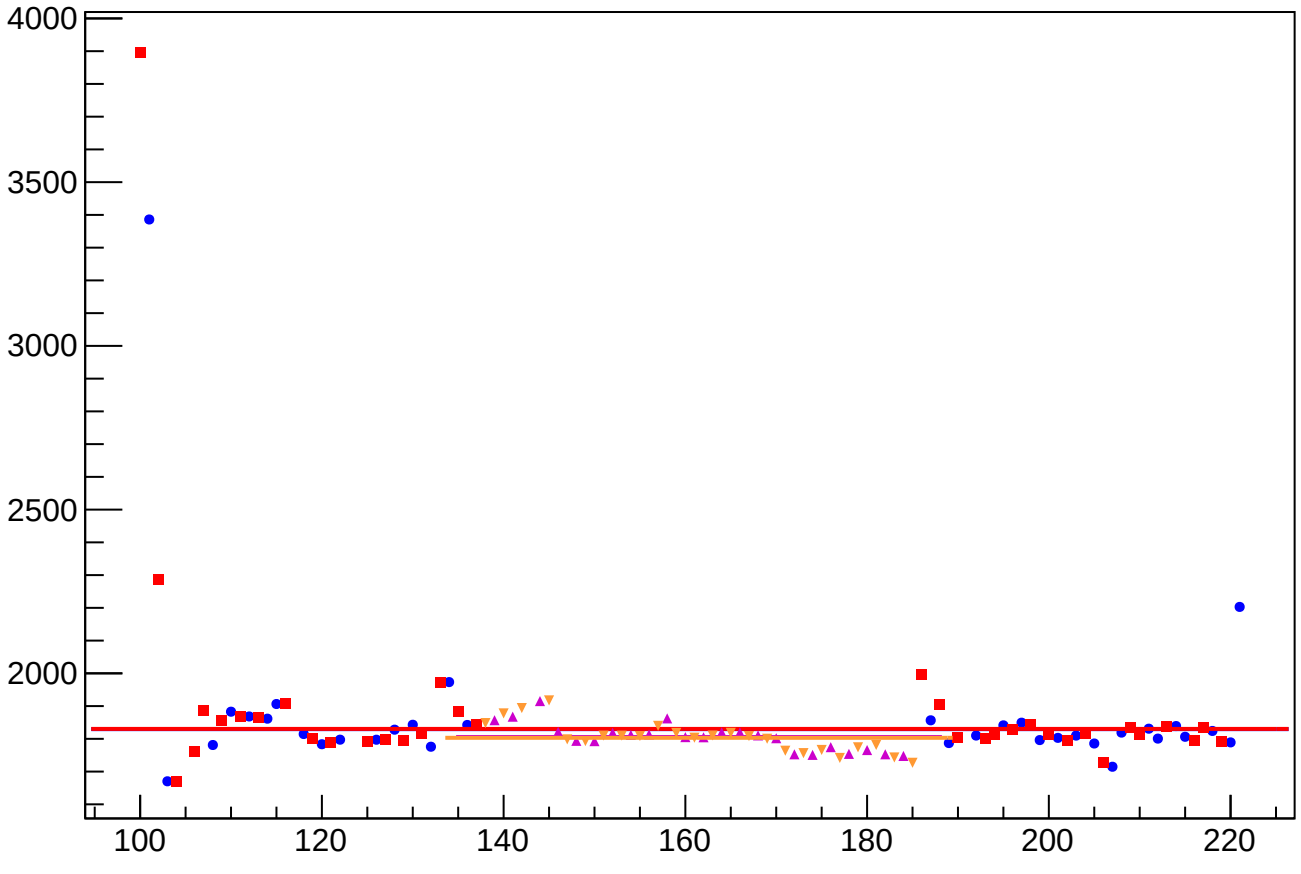
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4169.239+/-281.604 χ^2/NDF: 46.3/68

In: 4620.108+/-288.631 χ^2/NDF:43.7/56

Out: 3475.271+/-289.442 χ^2/NDF:48.9/58

All: 4049.295+/-204.379 χ^2/NDF: 100.4/115



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: 1830.303+/-0.283 χ^2/NDF: 123039.6/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

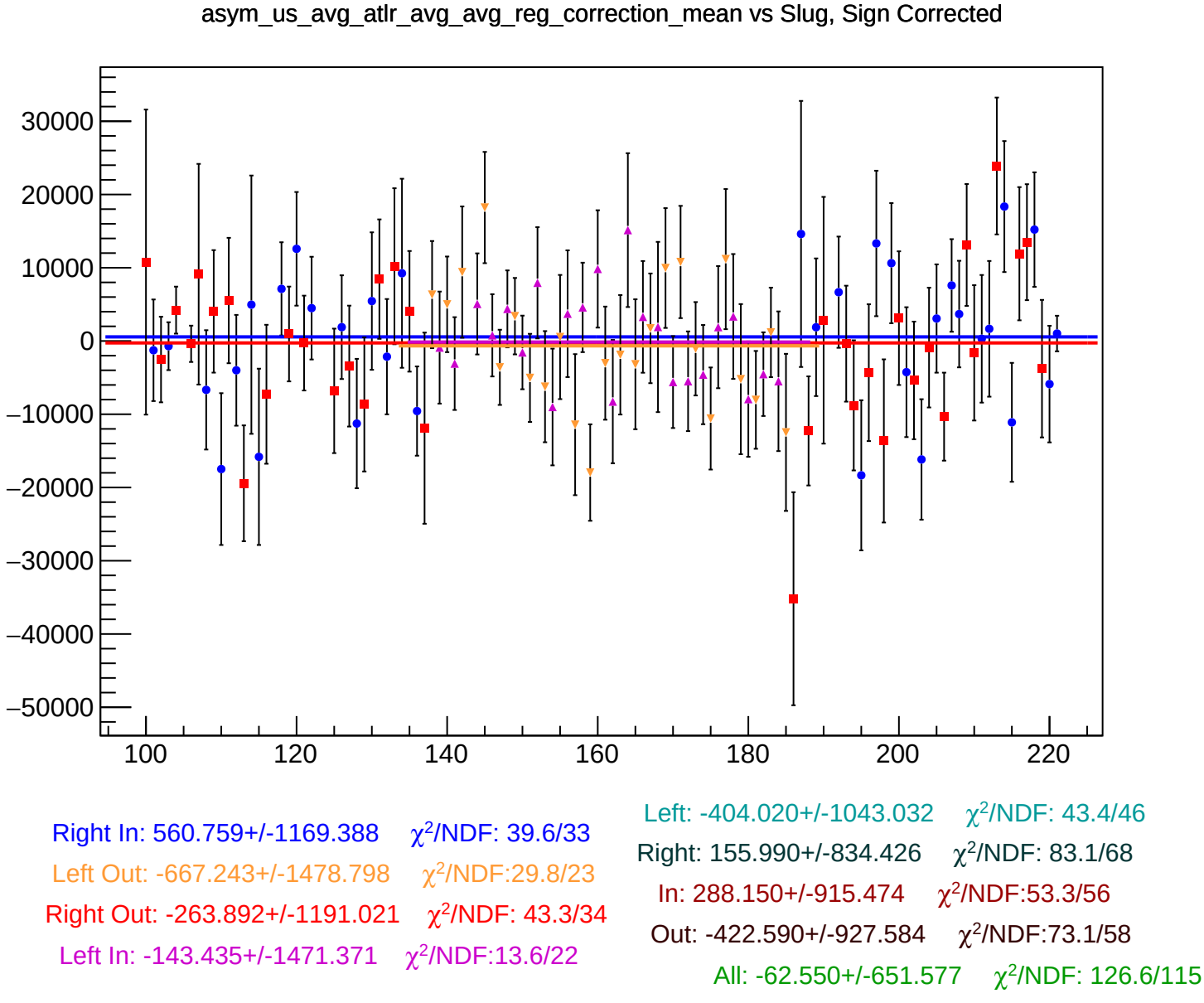
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

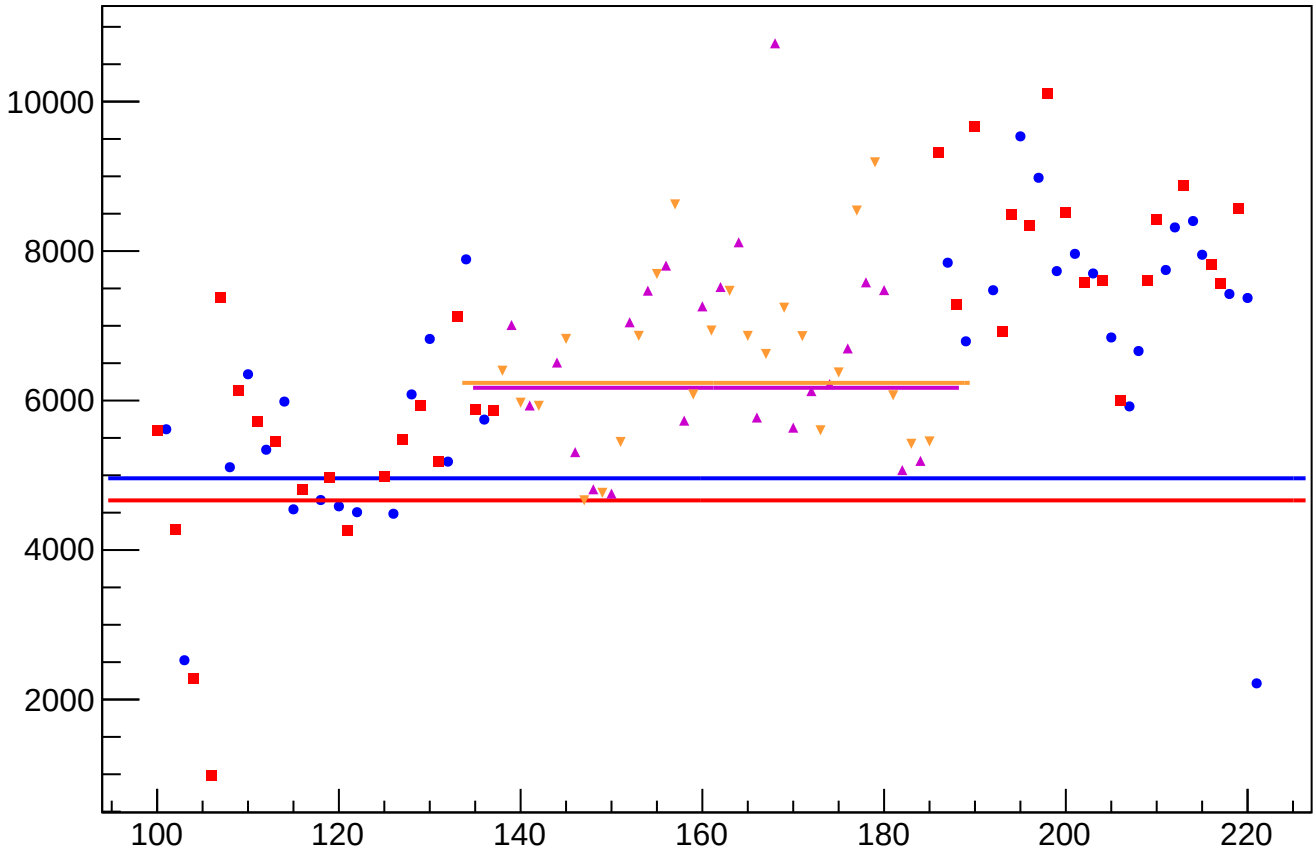
Right: 1829.945+/-0.199 χ^2/NDF: 459110.3/68

In: 1818.334+/-0.204 χ^2/NDF:358835.8/56

Out: 1817.319+/-0.205 χ^2/NDF:148088.3/58

All: 1817.828+/-0.144 χ^2/NDF: 506936.4/115


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 560.759+/-1169.388 χ²/NDF: 39.6/33
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -263.892+/-1191.021 χ²/NDF: 43.3/34
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: 155.990+/-834.426 χ²/NDF: 83.1/68
In: 288.150+/-915.474 χ²/NDF:53.3/56
Out: -422.590+/-927.584 χ²/NDF:73.1/58
All: -62.550+/-651.577 χ²/NDF: 126.6/115



Right In: 4959.938+/-0.827 χ^2/NDF: 7460310.5/33

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4664.167+/-0.842 χ^2/NDF: 10720810.7/34

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

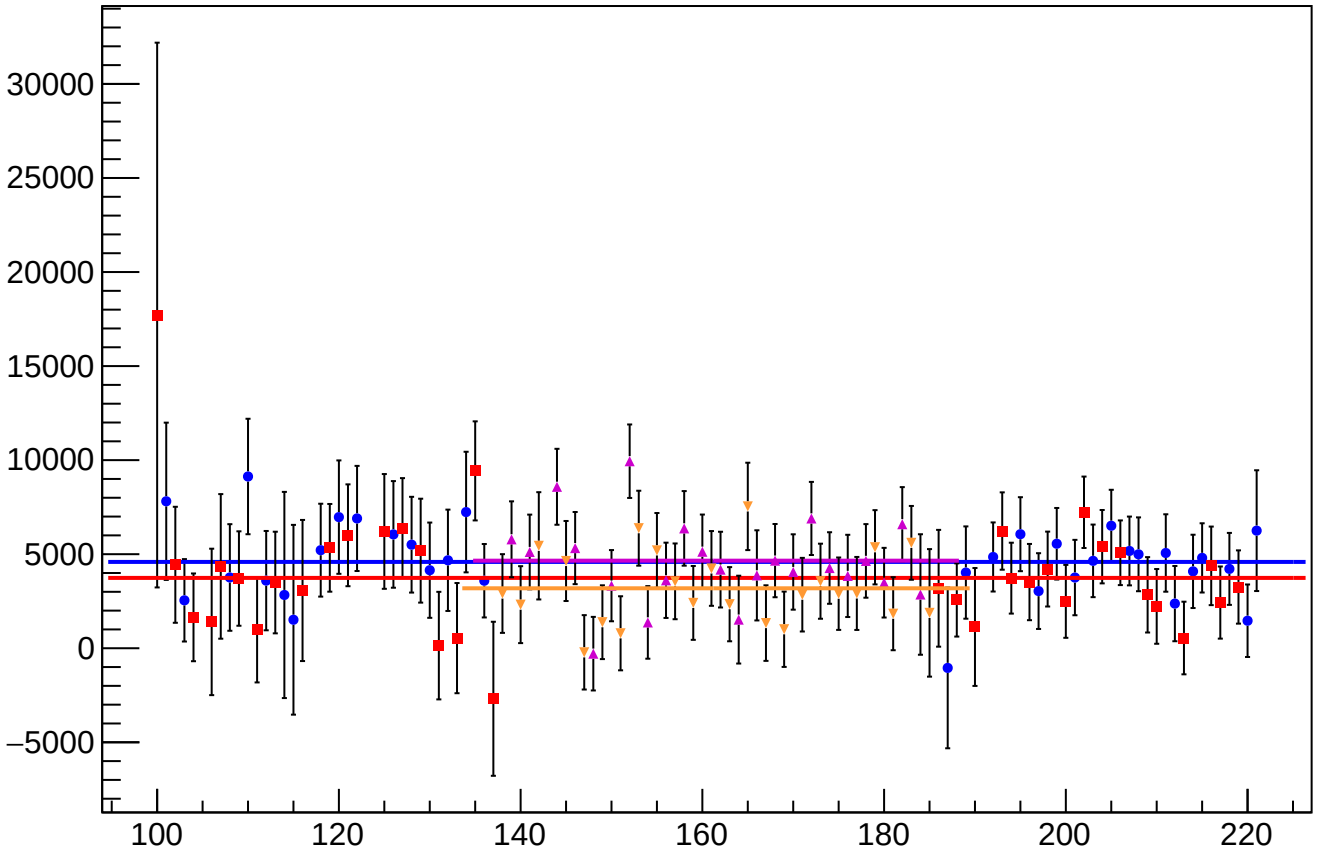
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 4814.763+/-0.590 χ^2/NDF: 18243921.2/68

In: 5428.685+/-0.647 χ^2/NDF:9527989.5/56

Out: 5282.853+/-0.656 χ^2/NDF:13160122.1/58

All: 5356.727+/-0.461 χ^2/NDF: 22713153.7/1



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: 3739.153+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

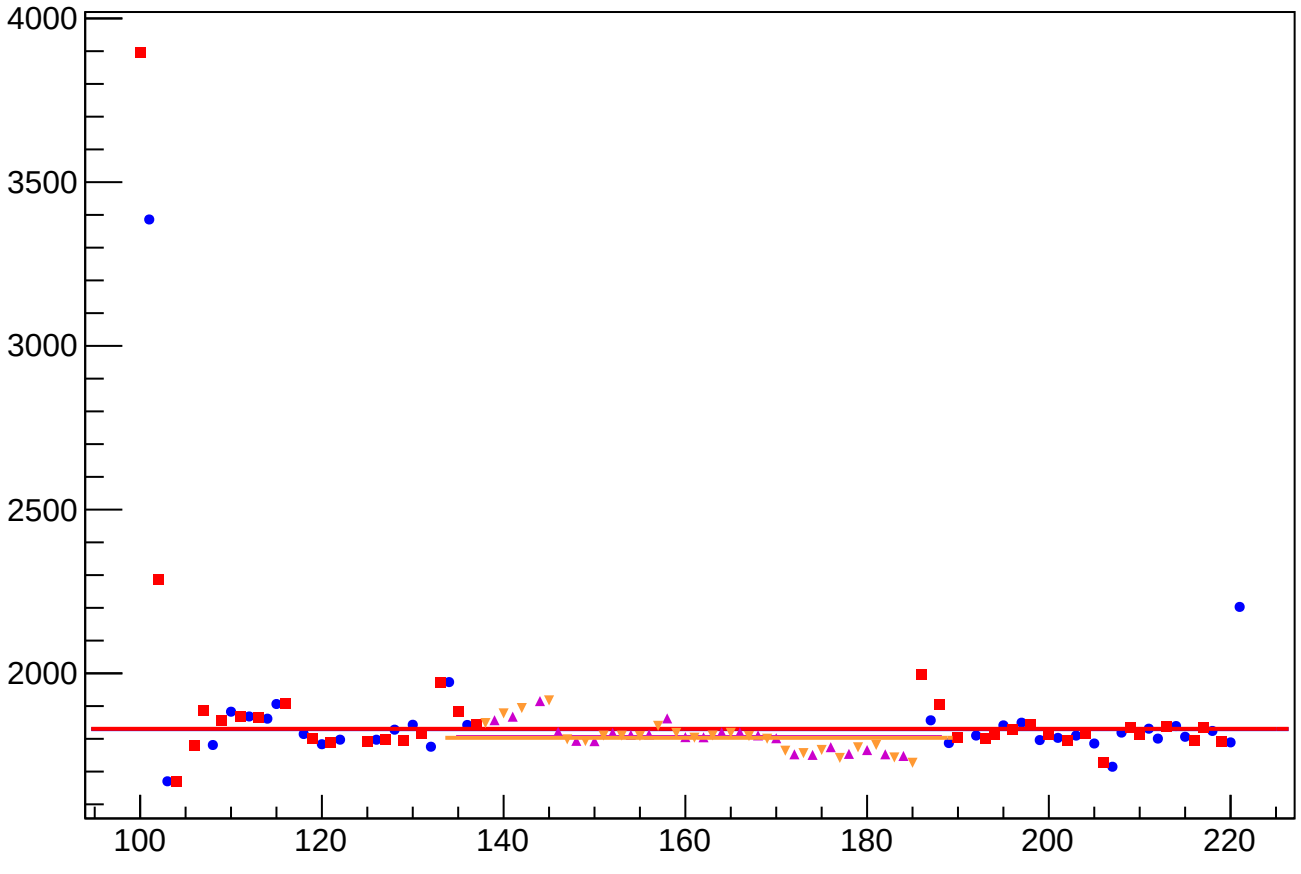
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4169.118+/-281.604 χ^2/NDF: 46.3/68

In: 4620.012+/-288.631 χ^2/NDF:43.7/56

Out: 3475.216+/-289.442 χ^2/NDF:48.9/58

All: 4049.219+/-204.379 χ^2/NDF: 100.4/115



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: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

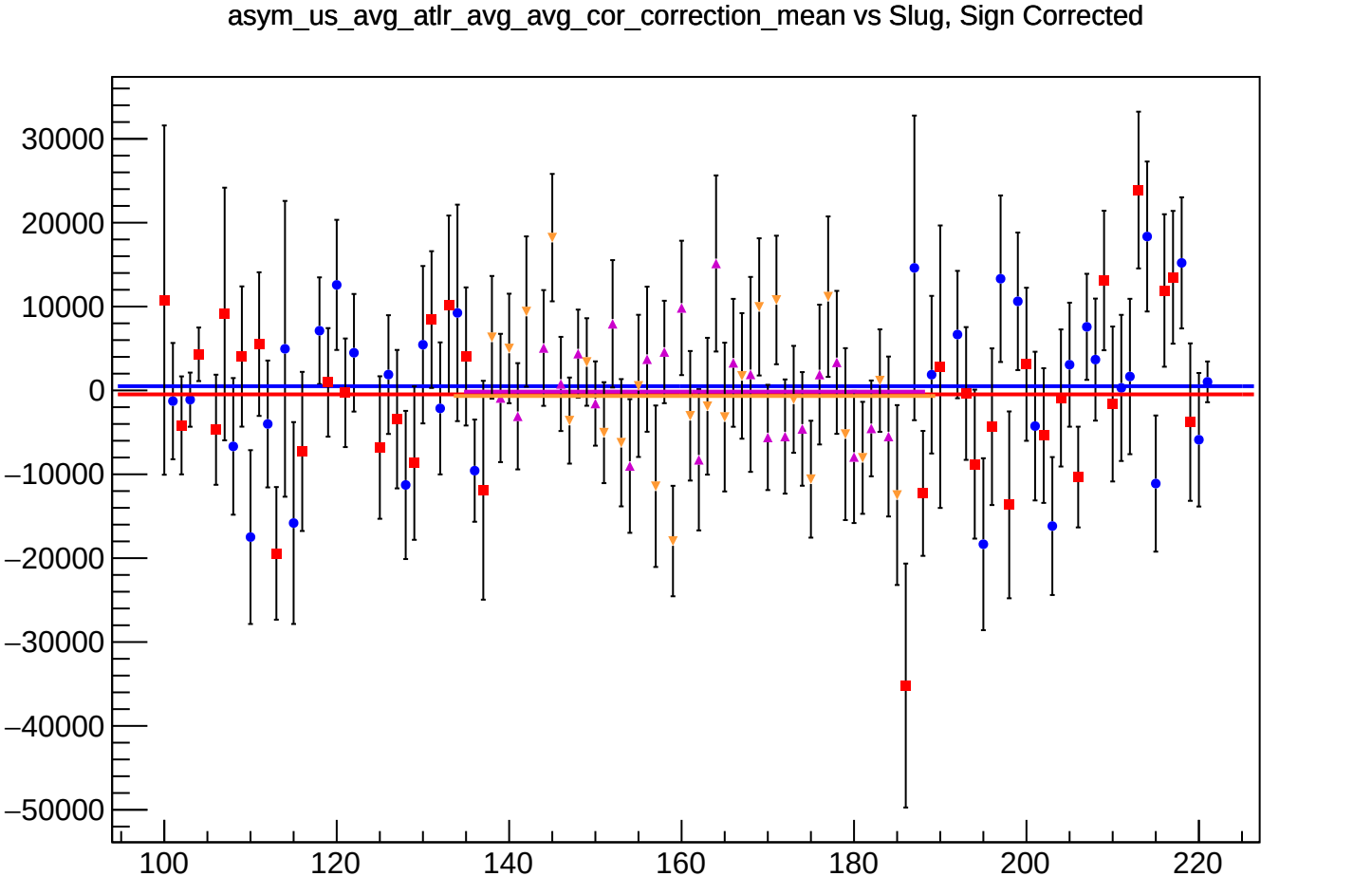
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.059+/-0.199 χ^2/NDF: 458780.2/68

In: 1818.334+/-0.204 χ^2/NDF:358837.7/56

Out: 1817.438+/-0.205 χ^2/NDF:147828.4/58

All: 1817.887+/-0.144 χ^2/NDF: 506675.7/115



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: -470.748+/-1328.344 χ^2/NDF: 44.1/34

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

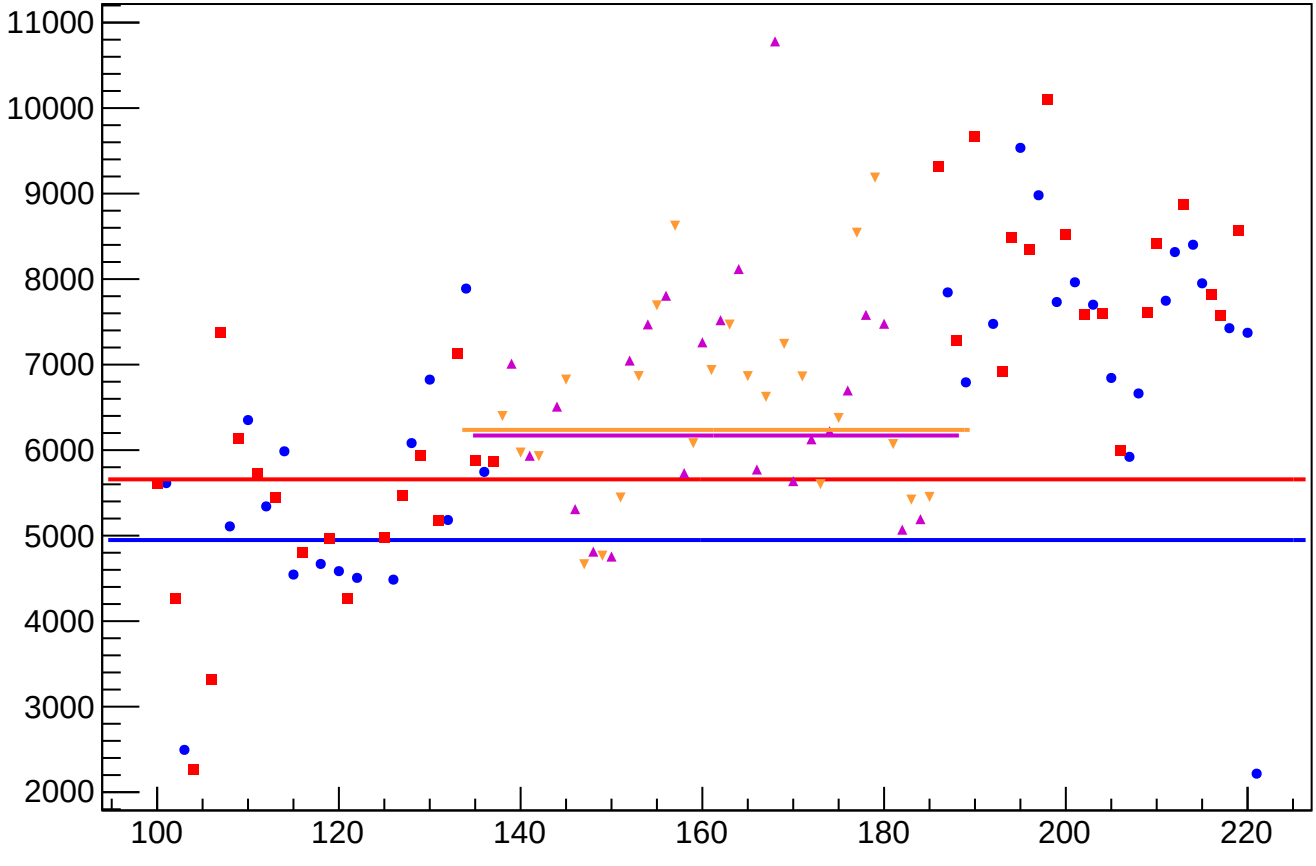
Right: 80.131+/-876.959 χ^2/NDF: 84.1/68

In: 254.929+/-914.599 χ^2/NDF:53.4/56

Out: -558.495+/-988.205 χ^2/NDF:73.9/58

All: -120.365+/-671.234 χ^2/NDF: 127.6/115

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: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

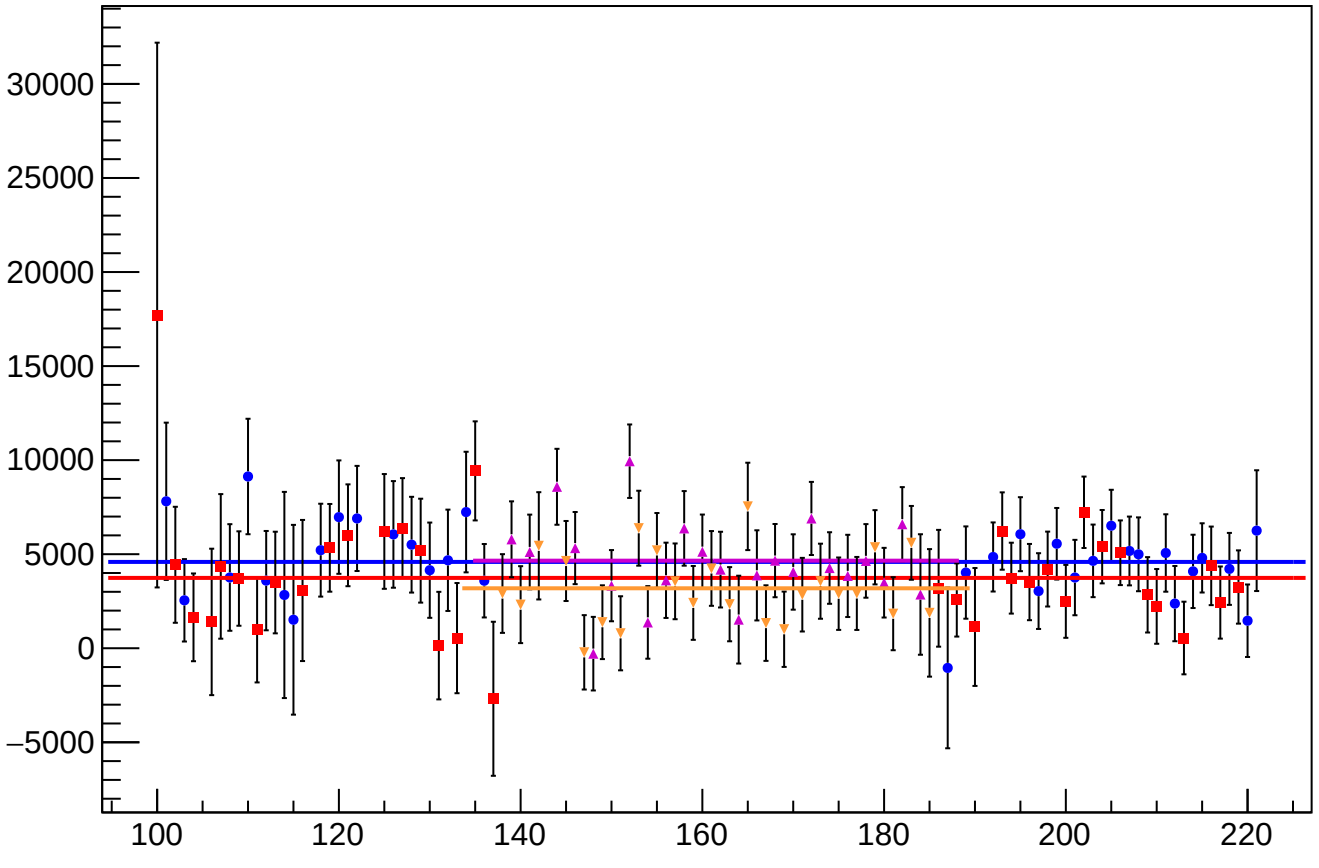
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5257.717+/-0.620 χ^2/NDF: 13138923.4/68

In: 5420.700+/-0.647 χ^2/NDF:9600128.2/56

Out: 5916.452+/-0.699 χ^2/NDF:6538399.7/58

All: 5649.428+/-0.475 χ^2/NDF: 16409642.2/1



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: 3739.153+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

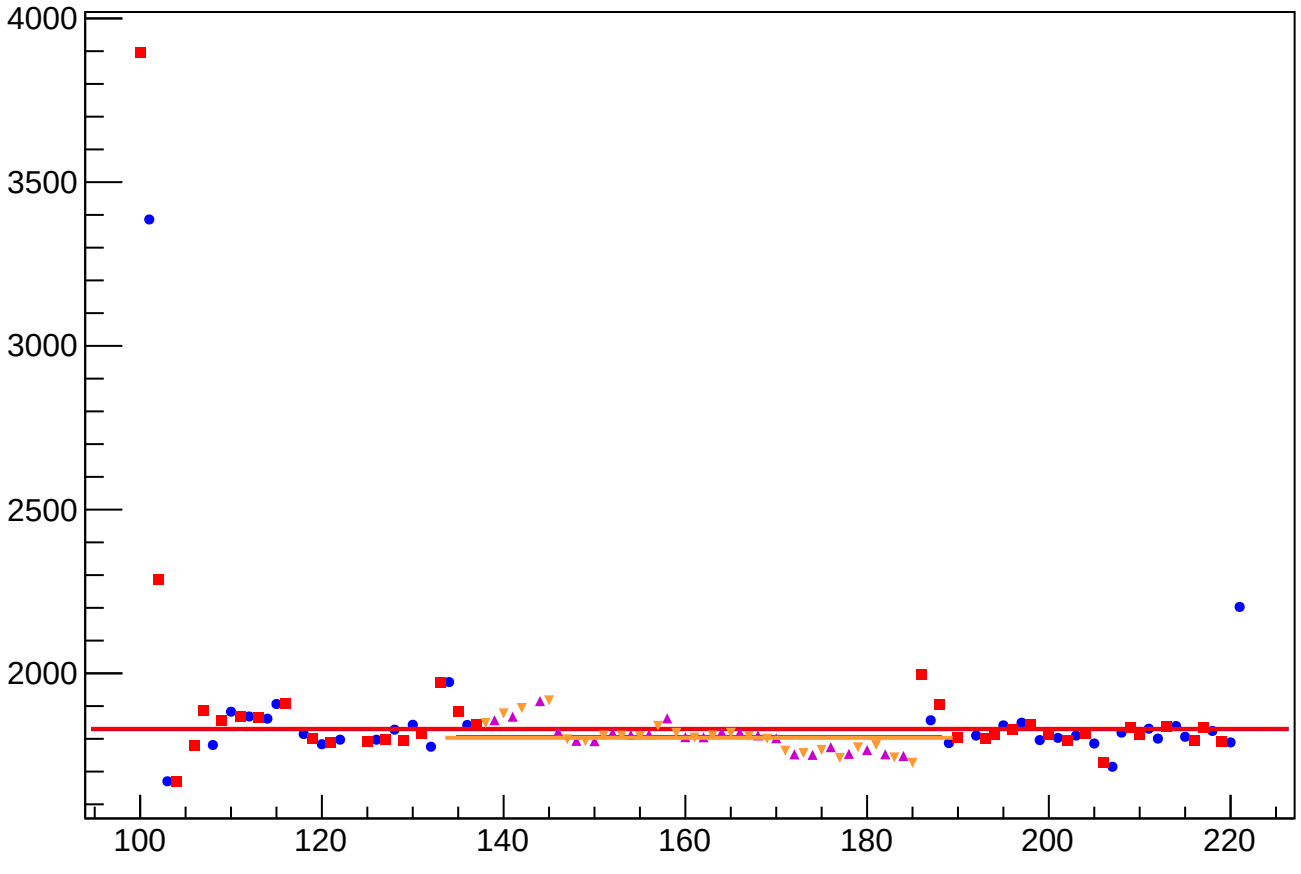
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4169.118+/-281.604 χ^2/NDF: 46.3/68

In: 4620.012+/-288.631 χ^2/NDF:43.7/56

Out: 3475.216+/-289.442 χ^2/NDF:48.9/58

All: 4049.219+/-204.379 χ^2/NDF: 100.4/115



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: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

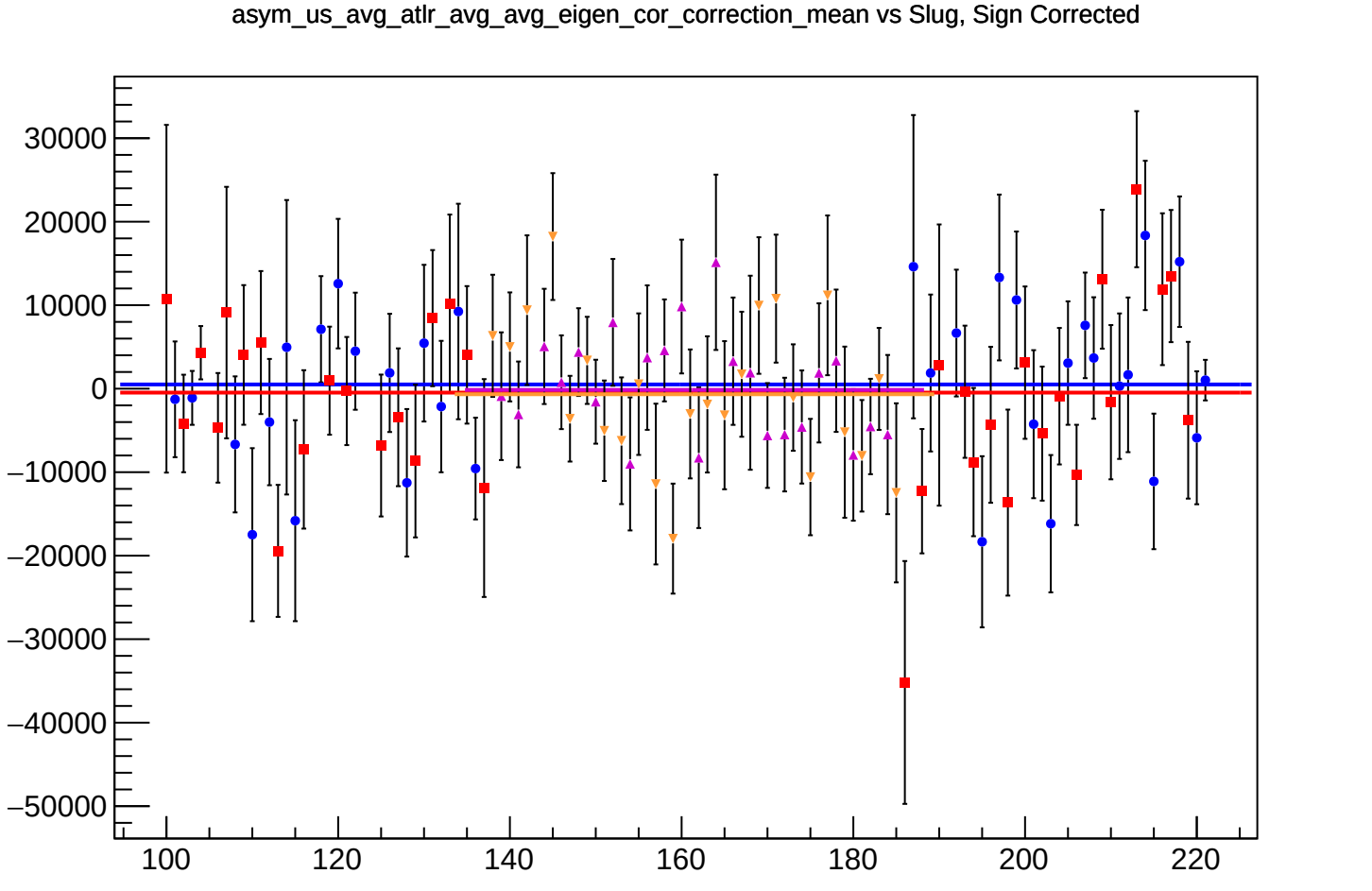
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.059+/-0.199 χ^2/NDF: 458780.2/68

In: 1818.334+/-0.204 χ^2/NDF:358837.7/56

Out: 1817.438+/-0.205 χ^2/NDF:147828.4/58

All: 1817.887+/-0.144 χ^2/NDF: 506675.7/115



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: -470.748+/-1328.344 χ^2/NDF: 44.1/34

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

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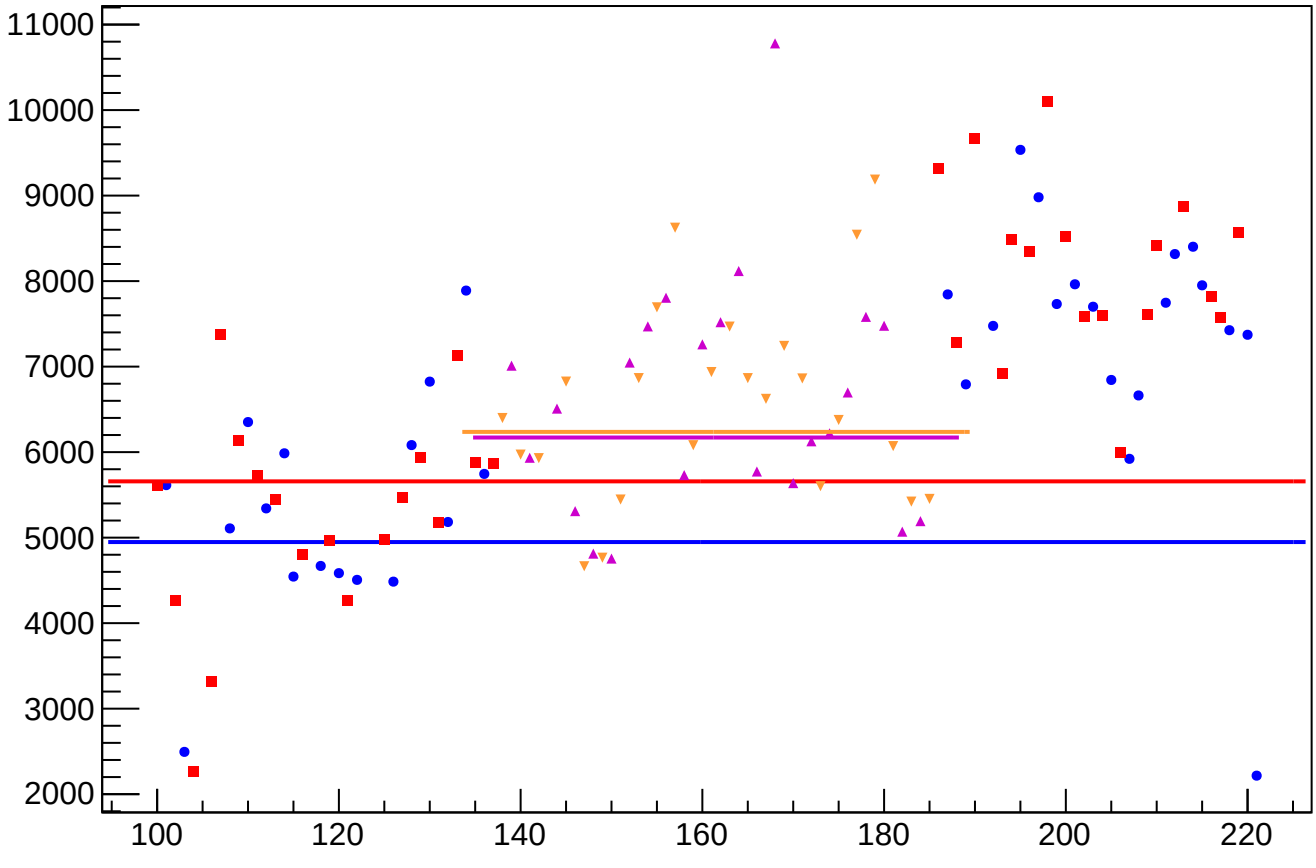
Right: 80.131+/-876.959 χ^2/NDF: 84.1/68

In: 254.929+/-914.599 χ^2/NDF:53.4/56

Out: -558.495+/-988.205 χ^2/NDF:73.9/58

All: -120.365+/-671.234 χ^2/NDF: 127.6/115



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: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

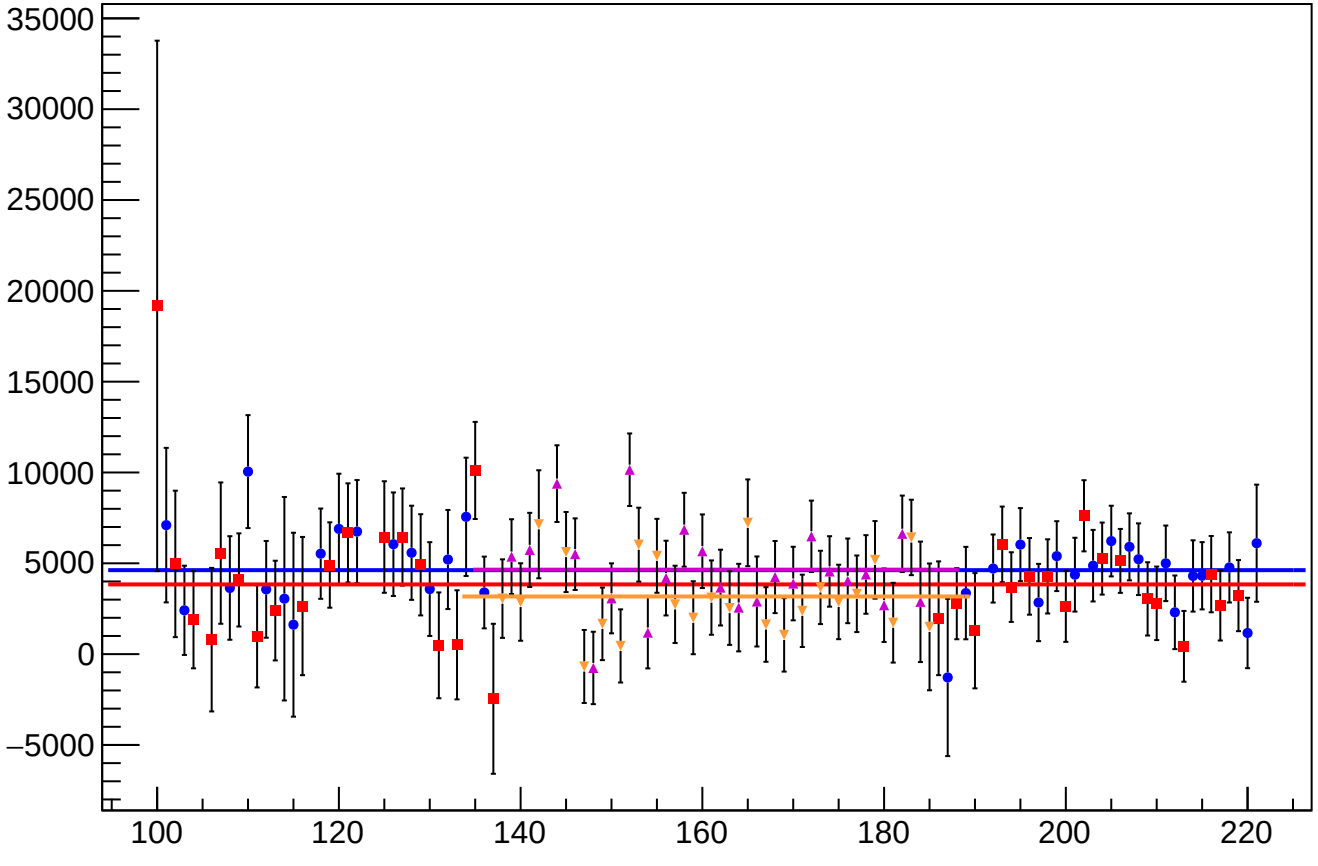
Right: 5257.717+/-0.620 χ^2/NDF: 13138923.4/68

In: 5420.700+/-0.647 χ^2/NDF:9600128.2/56

Out: 5916.452+/-0.699 χ^2/NDF:6538399.7/58

All: 5649.428+/-0.475 χ^2/NDF: 16409642.2/1

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



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: 3838.782+/-409.183 χ^2/NDF: 29.1/34

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

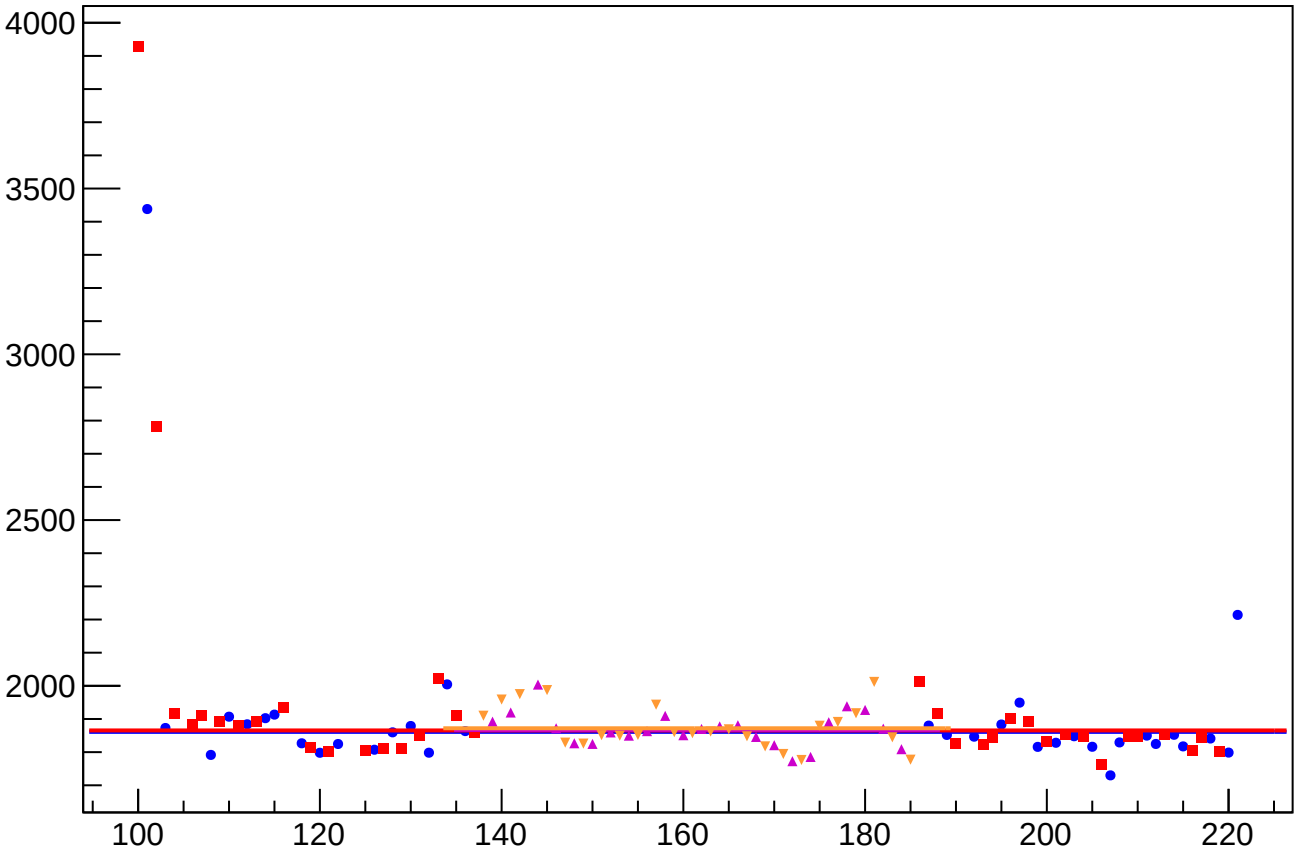
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4236.985+/-287.050 χ^2/NDF: 48.5/68

In: 4635.558+/-295.924 χ^2/NDF:48.0/56

Out: 3526.820+/-297.986 χ^2/NDF:51.9/58

All: 4085.038+/-209.975 χ^2/NDF: 106.9/115



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: 1865.448+/-0.289 χ^2/NDF: 175914.5/34

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

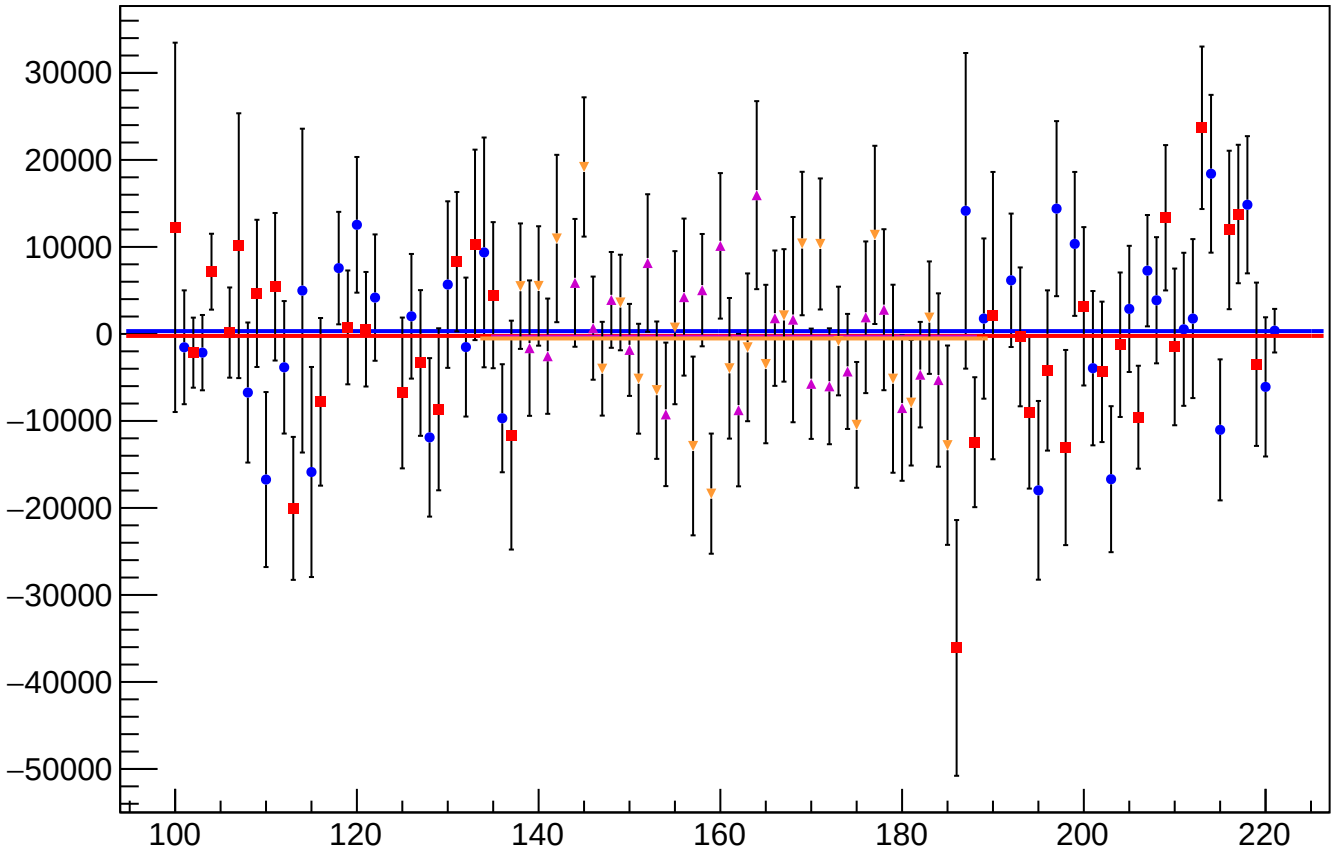
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1863.270+/-0.203 χ^2/NDF: 505831.0/68

In: 1863.883+/-0.209 χ^2/NDF:357250.4/56

Out: 1868.515+/-0.211 χ^2/NDF:213308.7/58

All: 1866.183+/-0.148 χ^2/NDF: 570802.4/115



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: -229.762+/-1332.211 χ^2/NDF: 44.1/34

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

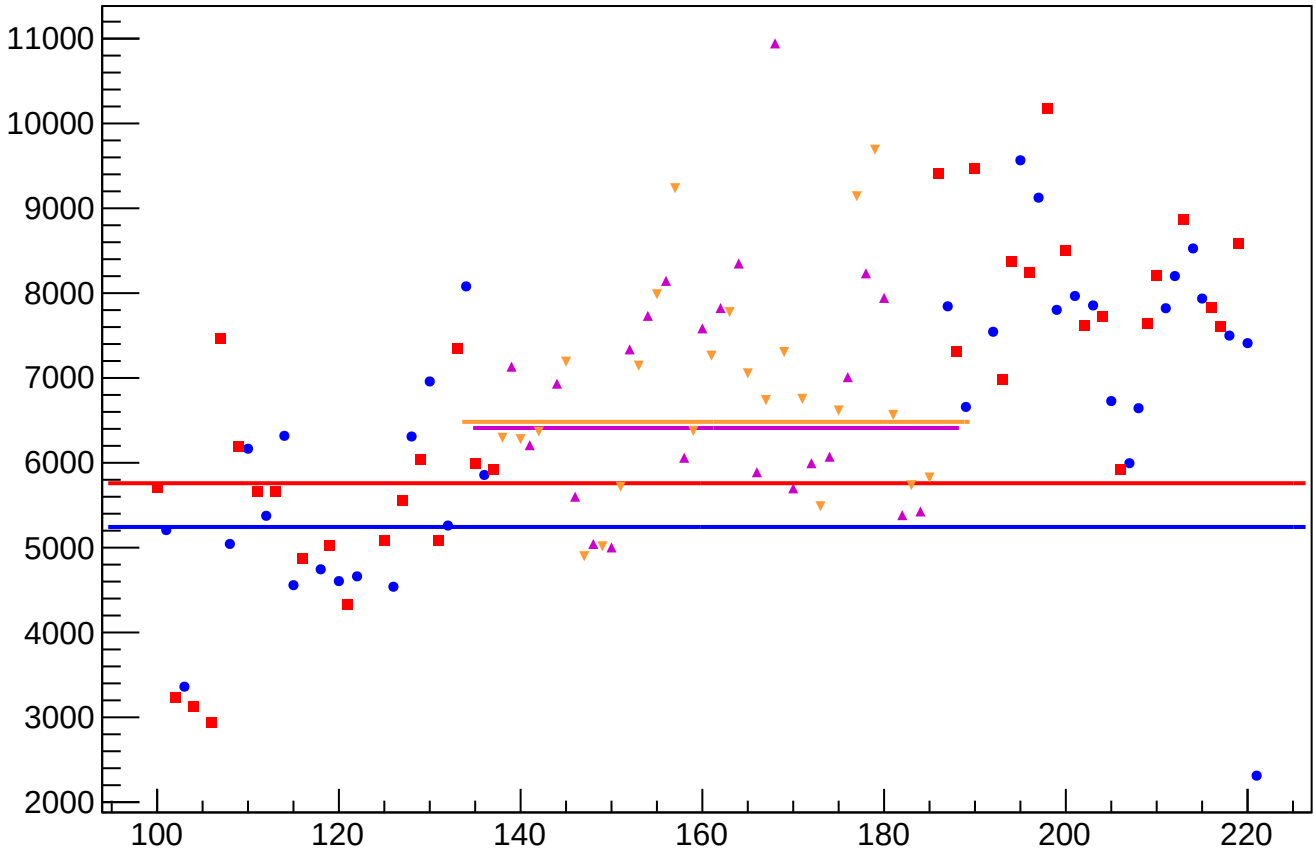
Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

Right: 72.983+/-897.934 χ^2/NDF: 83.4/68

In: 73.239+/-951.254 χ^2/NDF:52.7/56

Out: -354.403+/-1006.630 χ^2/NDF:73.3/58

All: -128.496+/-691.386 χ^2/NDF: 126.1/115



Right In: 5243.817+/-0.860 χ^2/NDF: 6265294.2/33

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5759.410+/-0.942 χ^2/NDF: 4602221.9/34

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

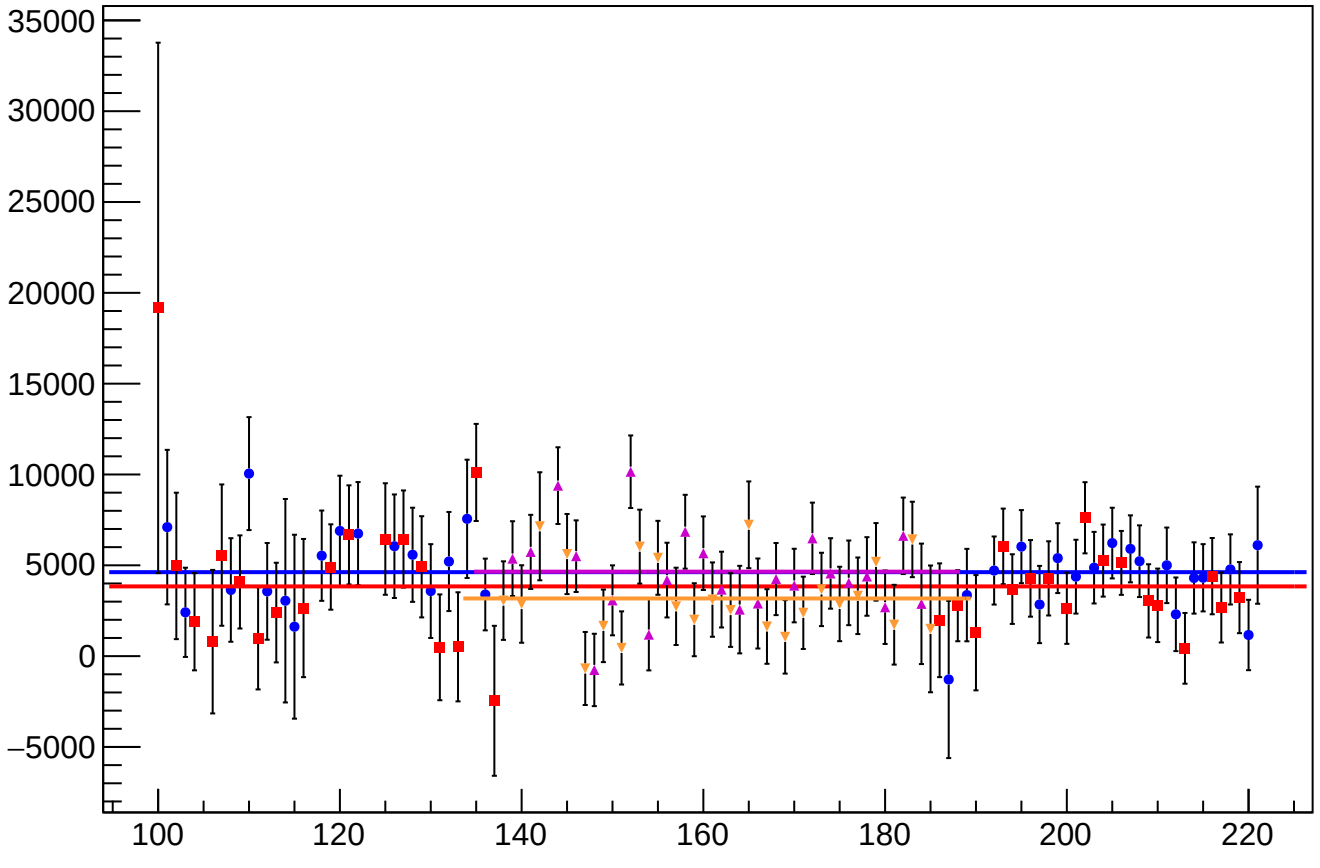
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5478.051+/-0.635 χ^2/NDF: 11030991.1/68

In: 5695.956+/-0.673 χ^2/NDF:8199108.3/56

Out: 6069.755+/-0.712 χ^2/NDF:5929770.7/58

All: 5872.291+/-0.489 χ^2/NDF: 14274564.0/



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: 3838.781+/-409.182 χ^2/NDF: 29.1/34

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

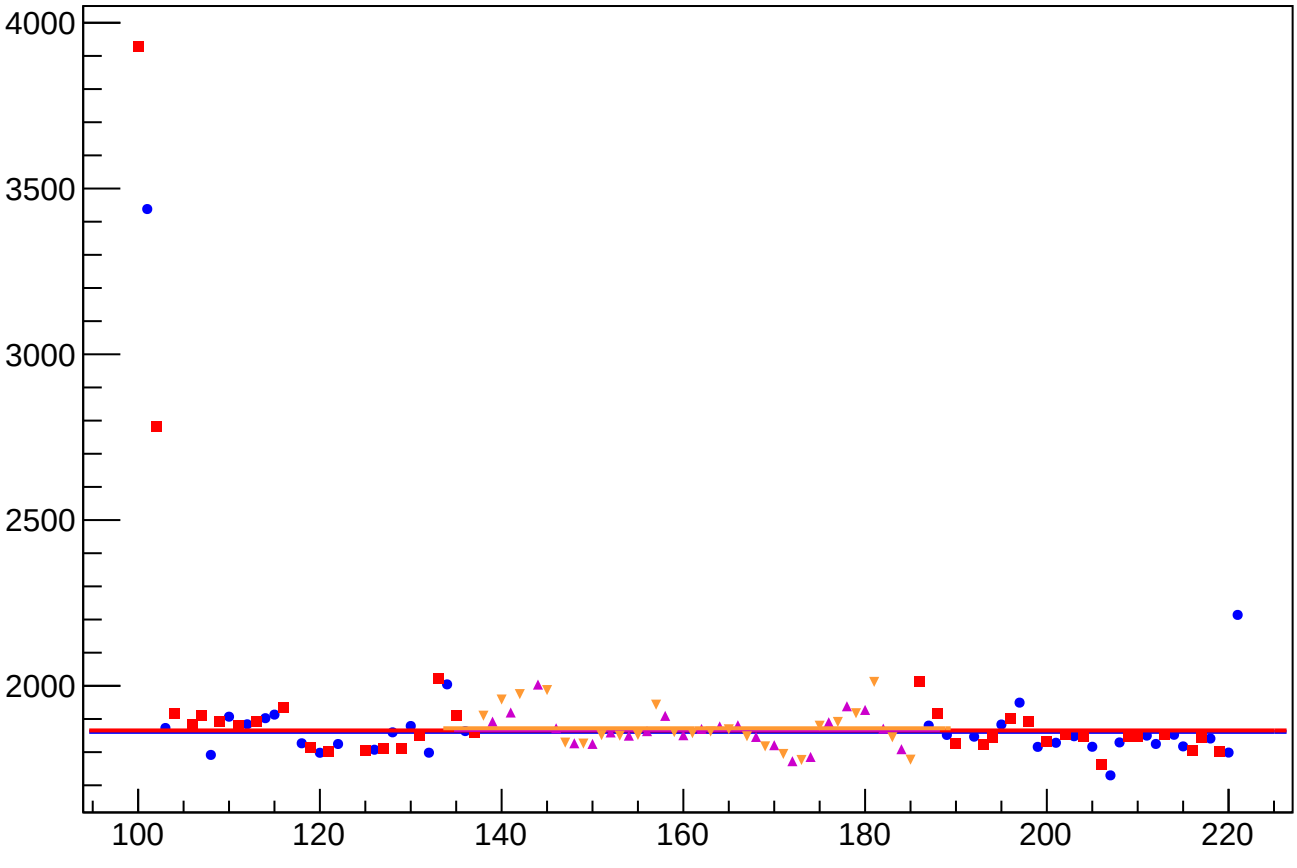
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4236.982+/-287.050 χ^2/NDF: 48.5/68

In: 4635.556+/-295.924 χ^2/NDF:48.0/56

Out: 3526.817+/-297.986 χ^2/NDF:51.9/58

All: 4085.036+/-209.975 χ^2/NDF: 106.9/115



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: 1865.448+/-0.289 χ^2/NDF: 175913.6/34

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

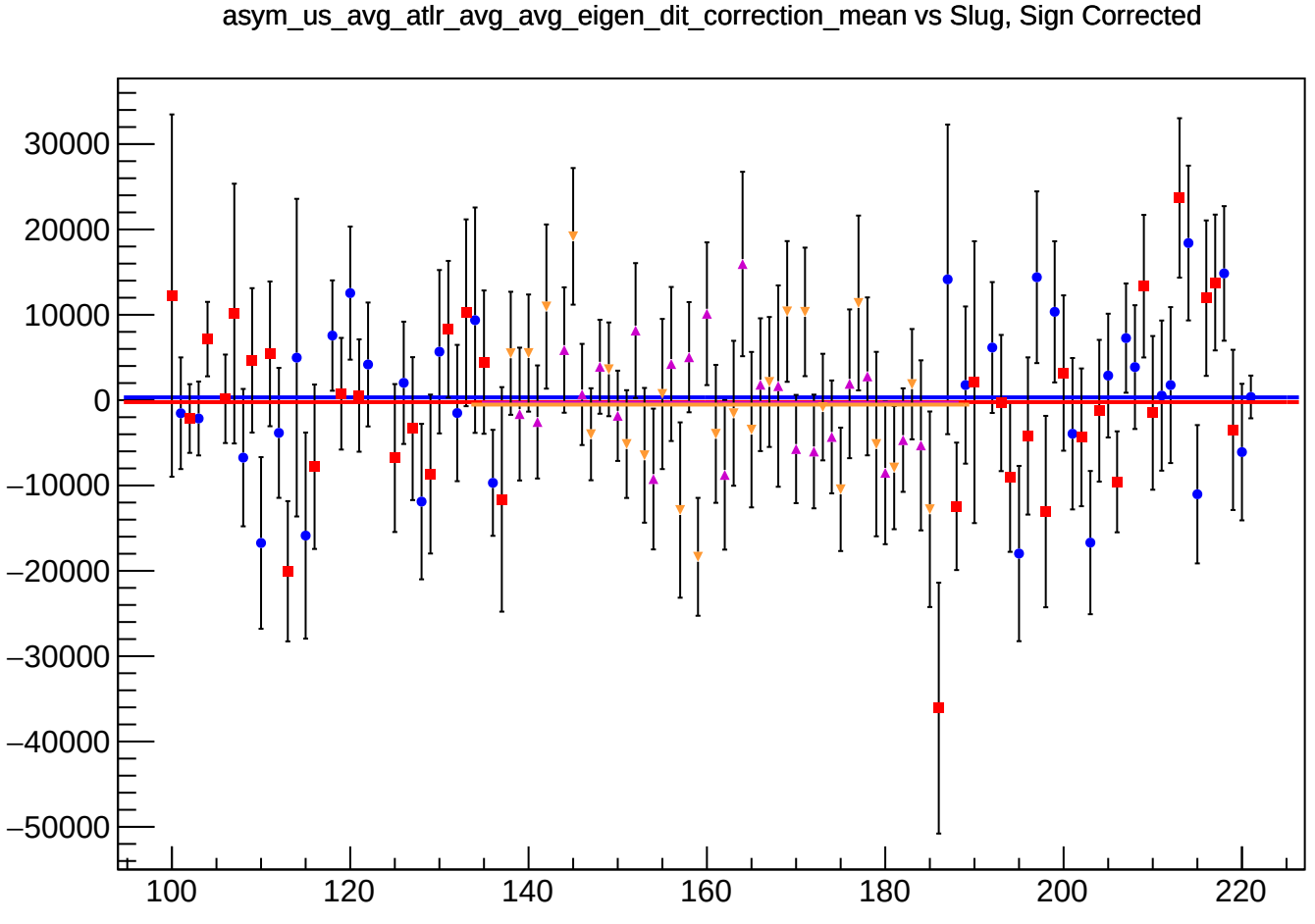
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1863.270+/-0.203 χ^2/NDF: 505830.2/68

In: 1863.883+/-0.209 χ^2/NDF:357251.7/56

Out: 1868.515+/-0.211 χ^2/NDF:213308.9/58

All: 1866.183+/-0.148 χ^2/NDF: 570804.0/115



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: -229.758+/-1332.209 χ^2/NDF: 44.1/34

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

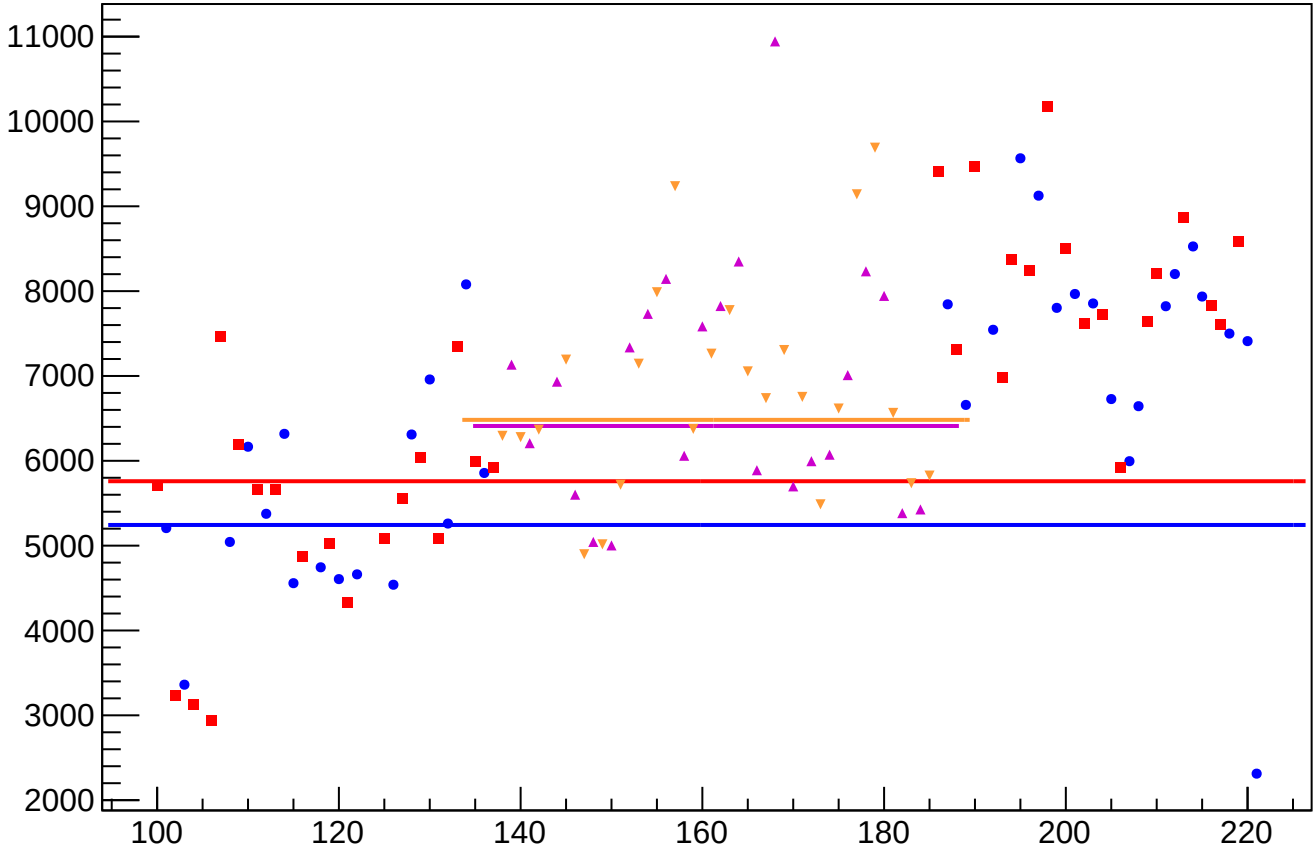
Right: 72.985+/-897.934 χ^2/NDF: 83.4/68

In: 73.240+/-951.254 χ^2/NDF:52.7/56

Out: -354.402+/-1006.630 χ^2/NDF:73.3/58

All: -128.496+/-691.386 χ^2/NDF: 126.1/115

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: 5759.401+/-0.942 χ^2/NDF: 4602260.6/34

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

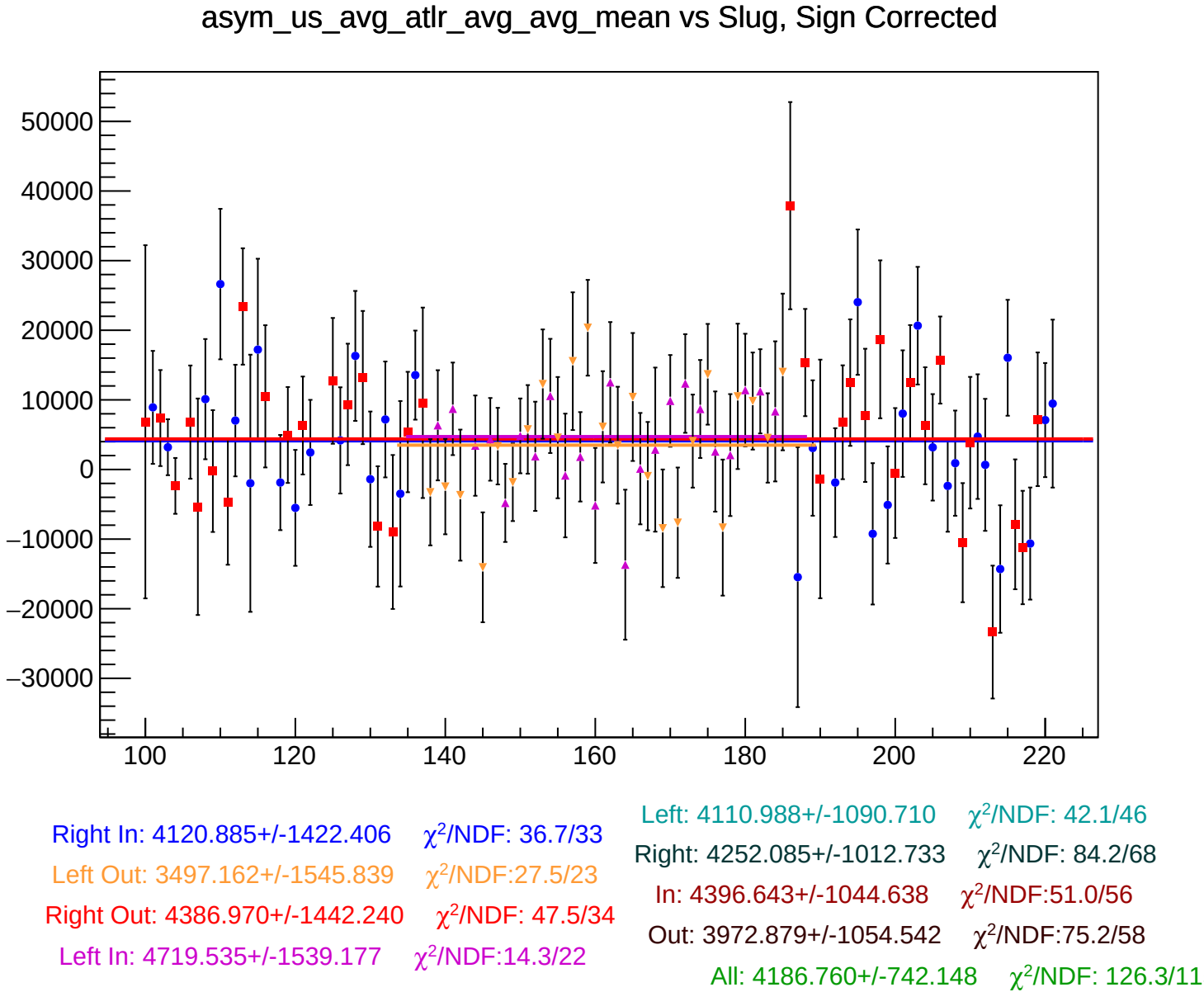
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

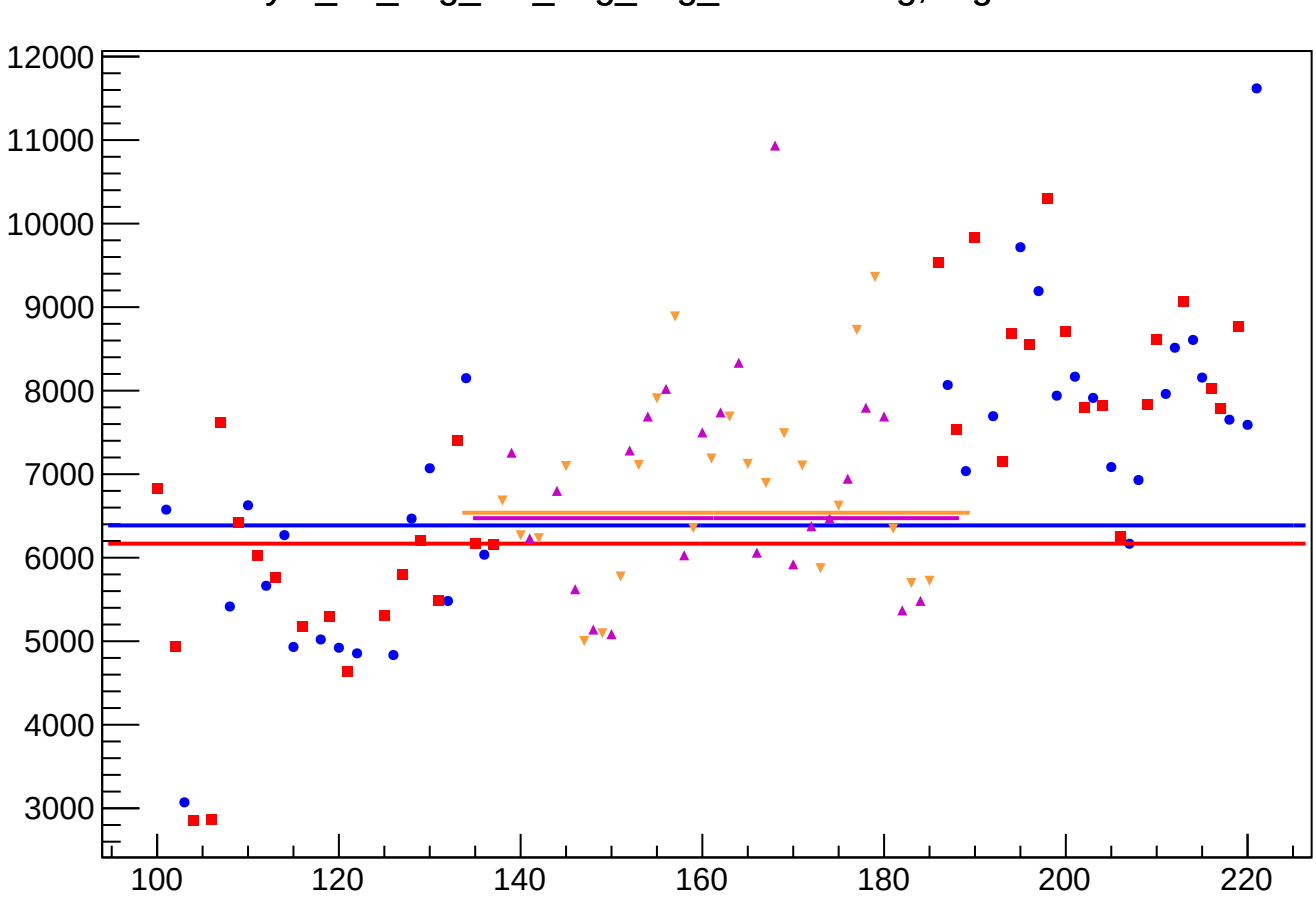
Right: 5478.046+/-0.635 χ^2/NDF: 11031041.2/68

In: 5695.957+/-0.673 χ^2/NDF:8199140.4/56

Out: 6069.753+/-0.712 χ^2/NDF:5929825.2/58

All: 5872.292+/-0.489 χ^2/NDF: 14274648.1/1


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: 4386.970+/-1442.240 χ²/NDF: 47.5/34
Left In: 4719.535+/-1539.177 χ²/NDF:14.3/22
Left: 4110.988+/-1090.710 χ²/NDF: 42.1/46
Right: 4252.085+/-1012.733 χ²/NDF: 84.2/68
In: 4396.643+/-1044.638 χ²/NDF:51.0/56
Out: 3972.879+/-1054.542 χ²/NDF:75.2/58
All: 4186.760+/-742.148 χ²/NDF: 126.3/115



Right In: 6386.624+/-1.006 χ^2/NDF: 3327687.8/33

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 6168.248+/-1.008 χ^2/NDF: 4066943.6/34

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

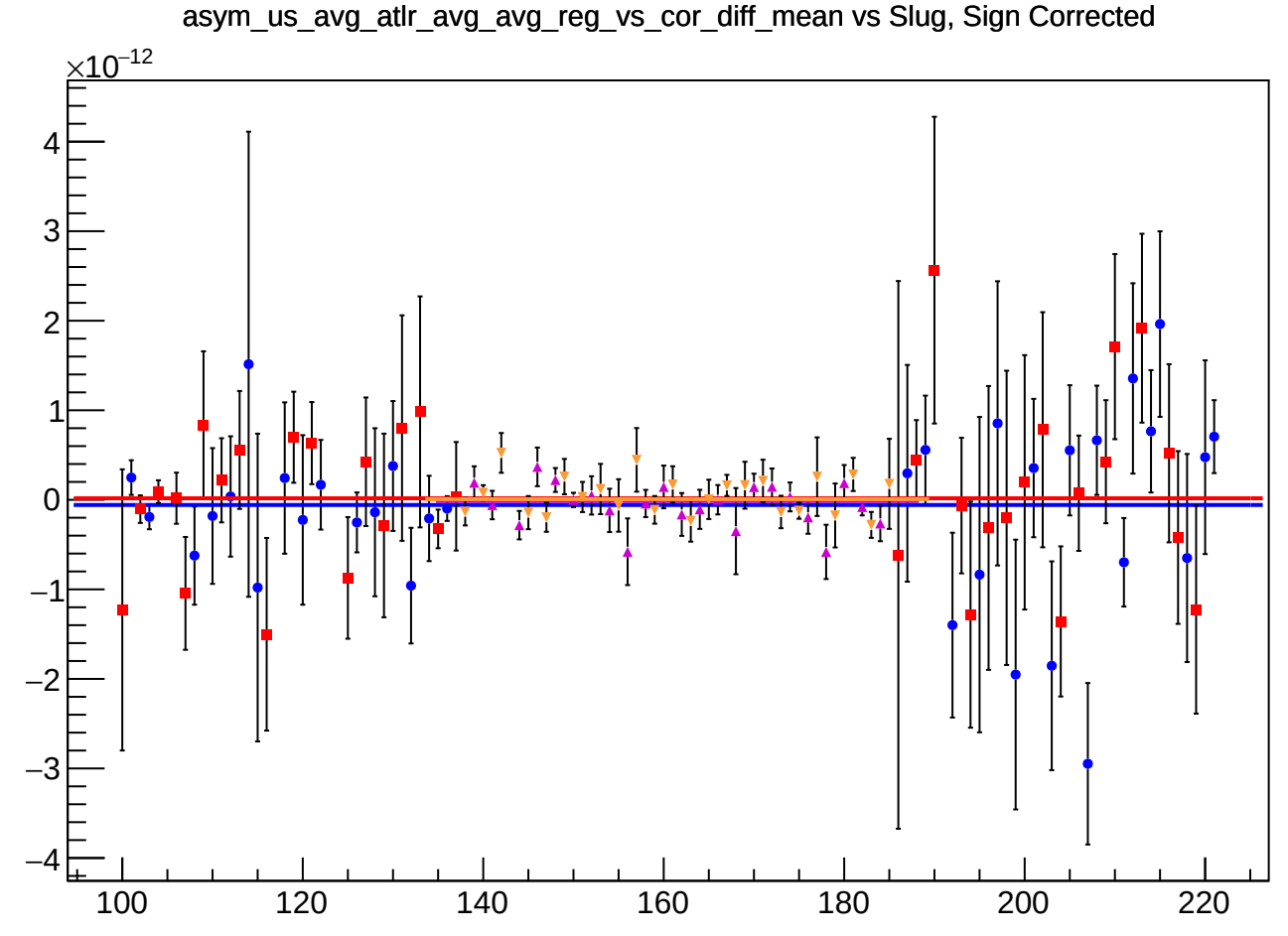
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 6277.685+/-0.712 χ^2/NDF: 7418148.2/68

In: 6426.633+/-0.739 χ^2/NDF:4402880.2/56

Out: 6338.517+/-0.741 χ^2/NDF:5049625.7/58

All: 6382.717+/-0.523 χ^2/NDF: 9459598.1/11



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: 32.7/34

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

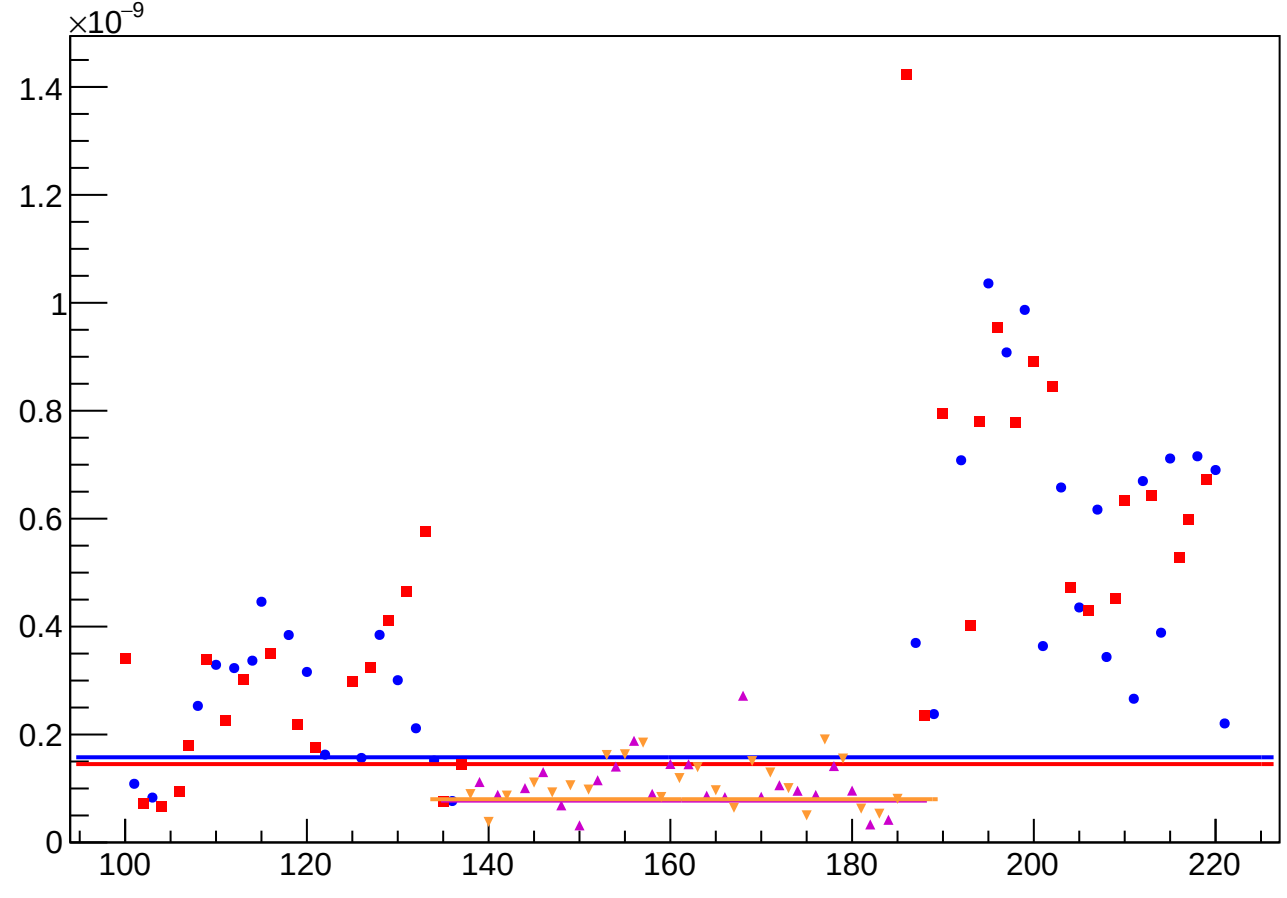
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 74.3/68

In: -0.000+/-0.000 χ^2/NDF:65.4/56

Out: 0.000+/-0.000 χ^2/NDF:59.8/58

All: -0.000+/-0.000 χ^2/NDF: 125.7/115



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: 9186377.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

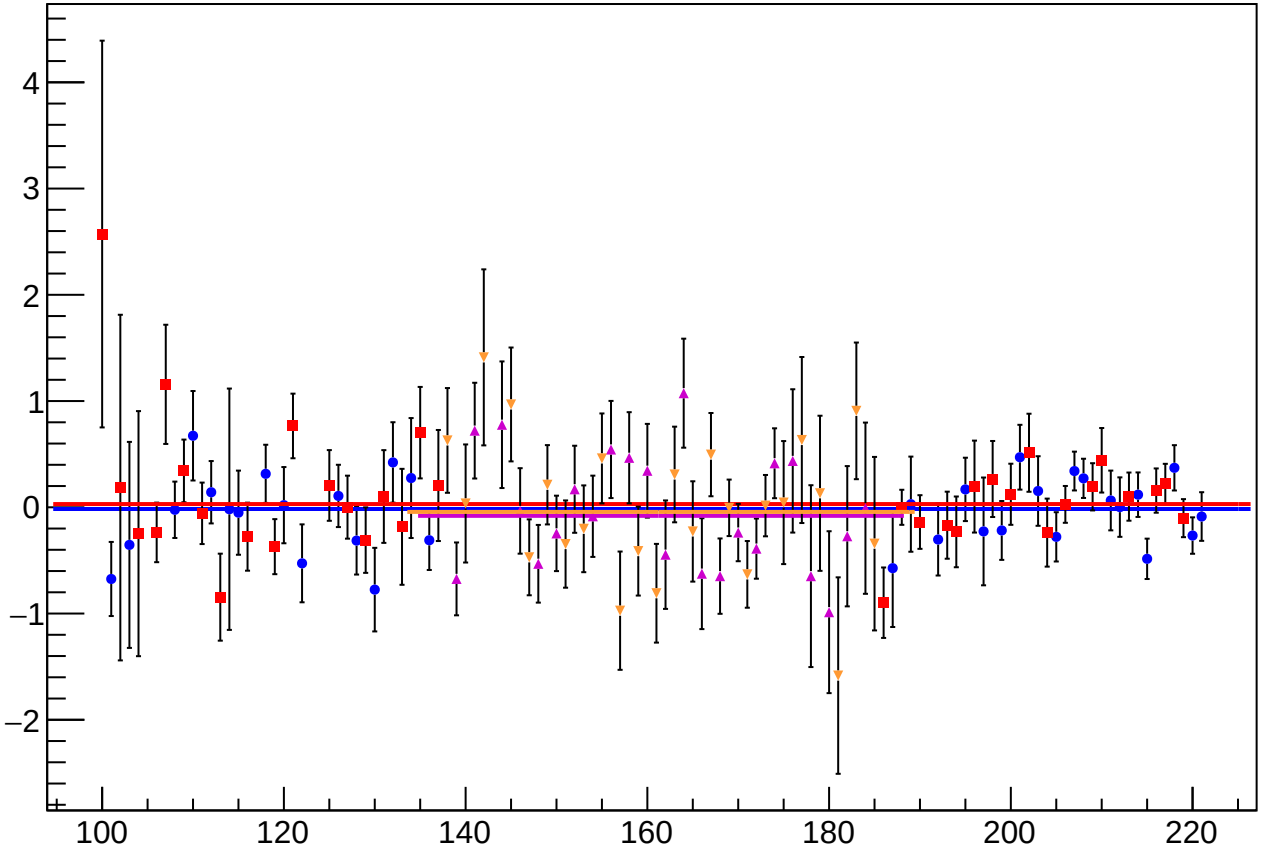
Right: 0.000+/-0.000 χ^2/NDF: 17456275.4/68

In: 0.000+/-0.000 χ^2/NDF:12920755.3/56

Out: 0.000+/-0.000 χ^2/NDF:12634868.9/58

All: 0.000+/-0.000 χ^2/NDF: 25555696.7/115

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+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

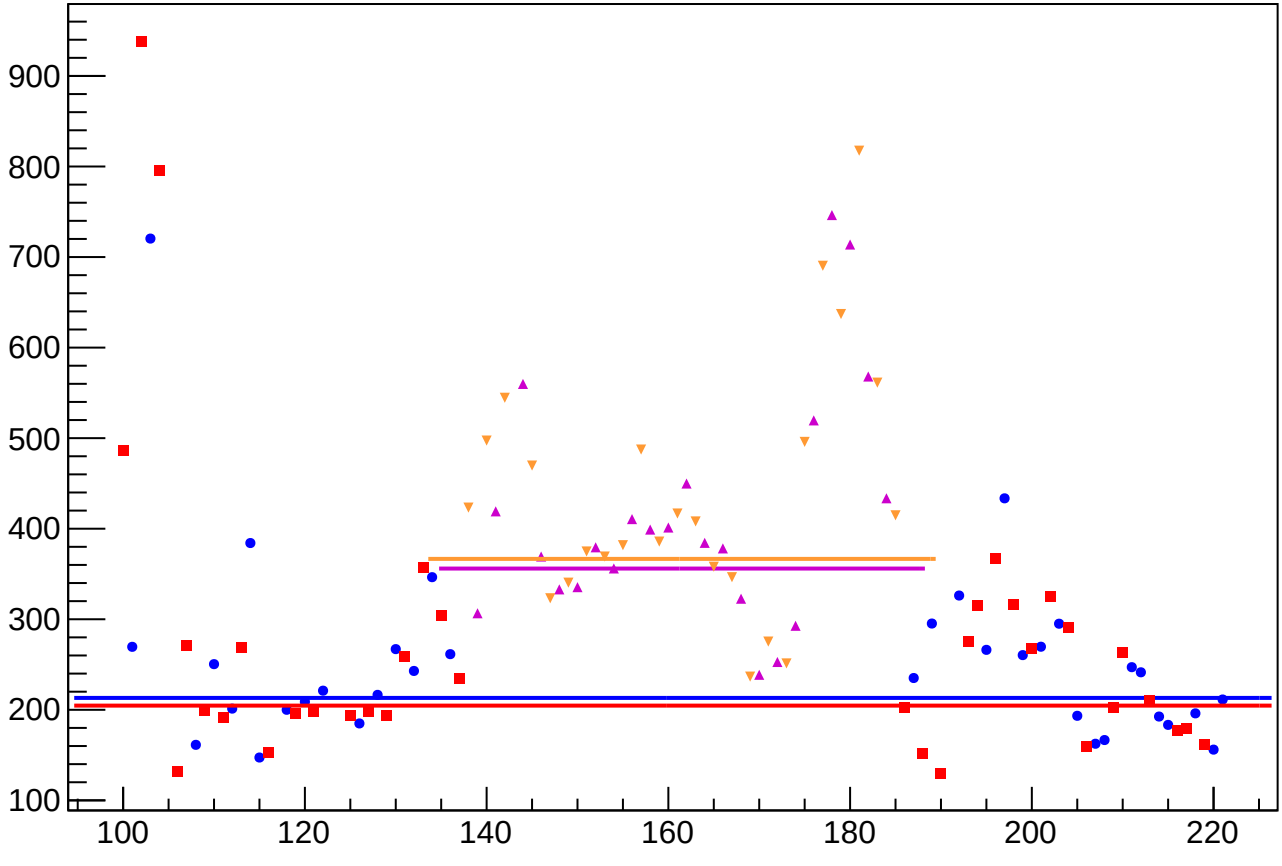
Right: 0.007+/-0.034 χ^2/NDF: 86.3/68

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: -0.009+/-0.030 χ^2/NDF: 148.6/115

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: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

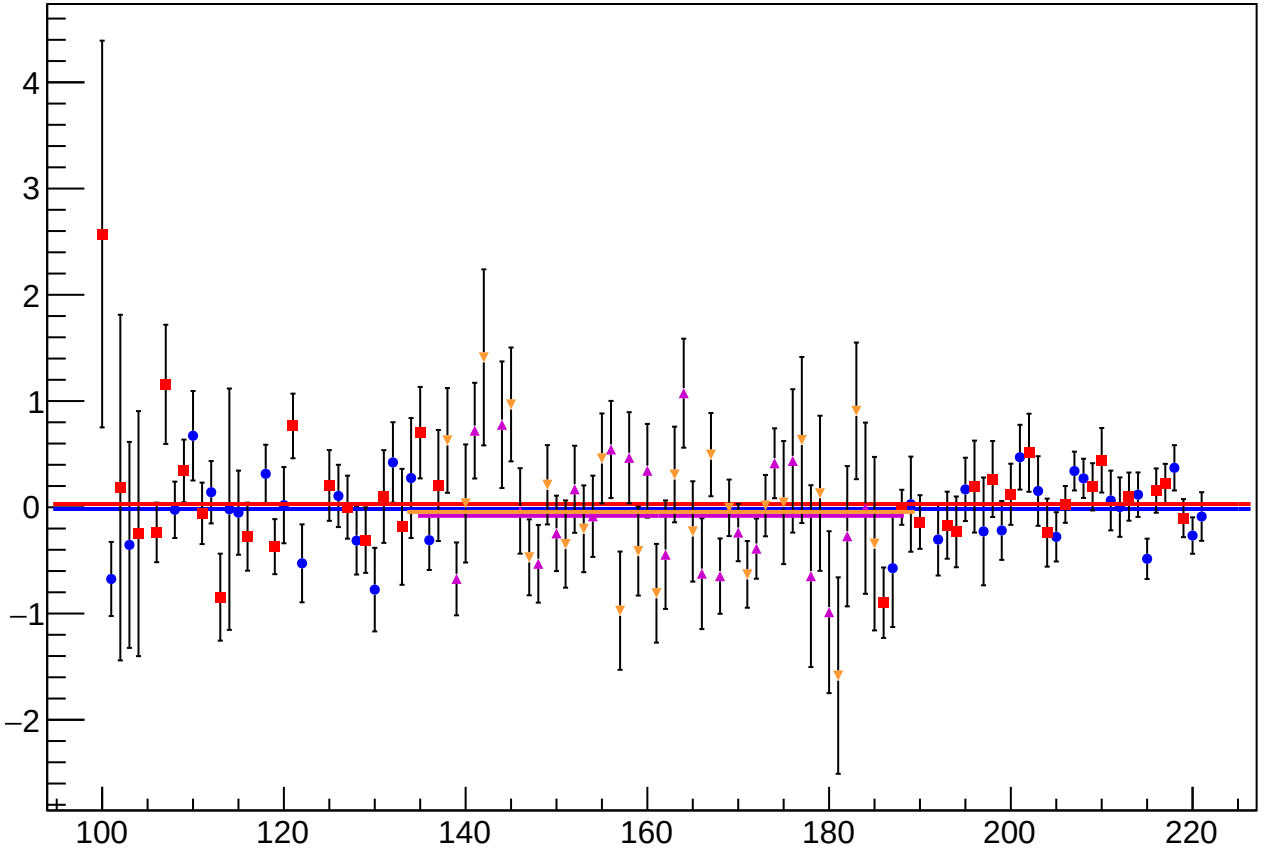
Right: 208.894+/-0.024 χ^2/NDF: 6300448.9/68

In: 246.786+/-0.030 χ^2/NDF:9146843.1/56

Out: 241.176+/-0.030 χ^2/NDF:11405800.5/58

All: 244.004+/-0.021 χ^2/NDF: 20569842.3/11

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+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

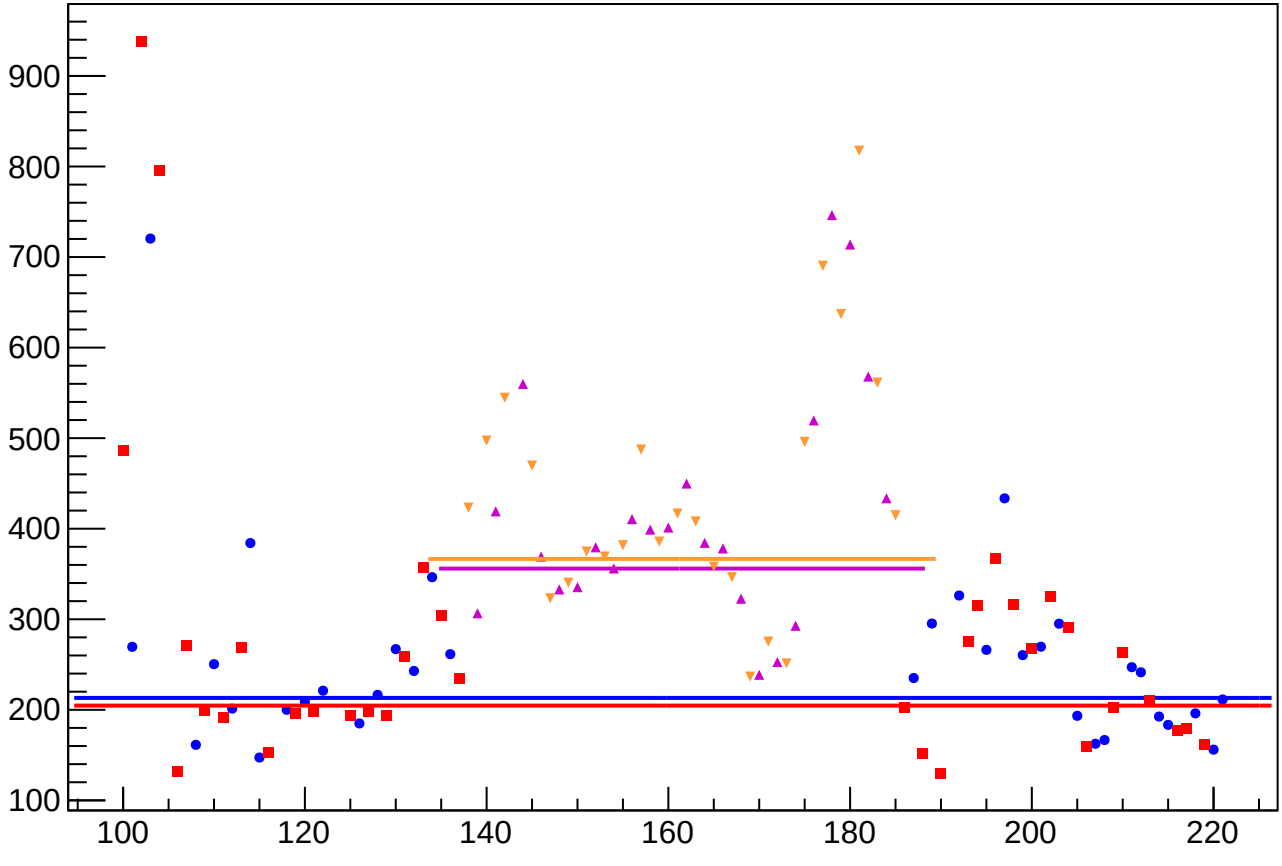
Right: 0.007+/-0.034 χ^2/NDF: 86.3/68

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: -0.009+/-0.030 χ^2/NDF: 148.6/115

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: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

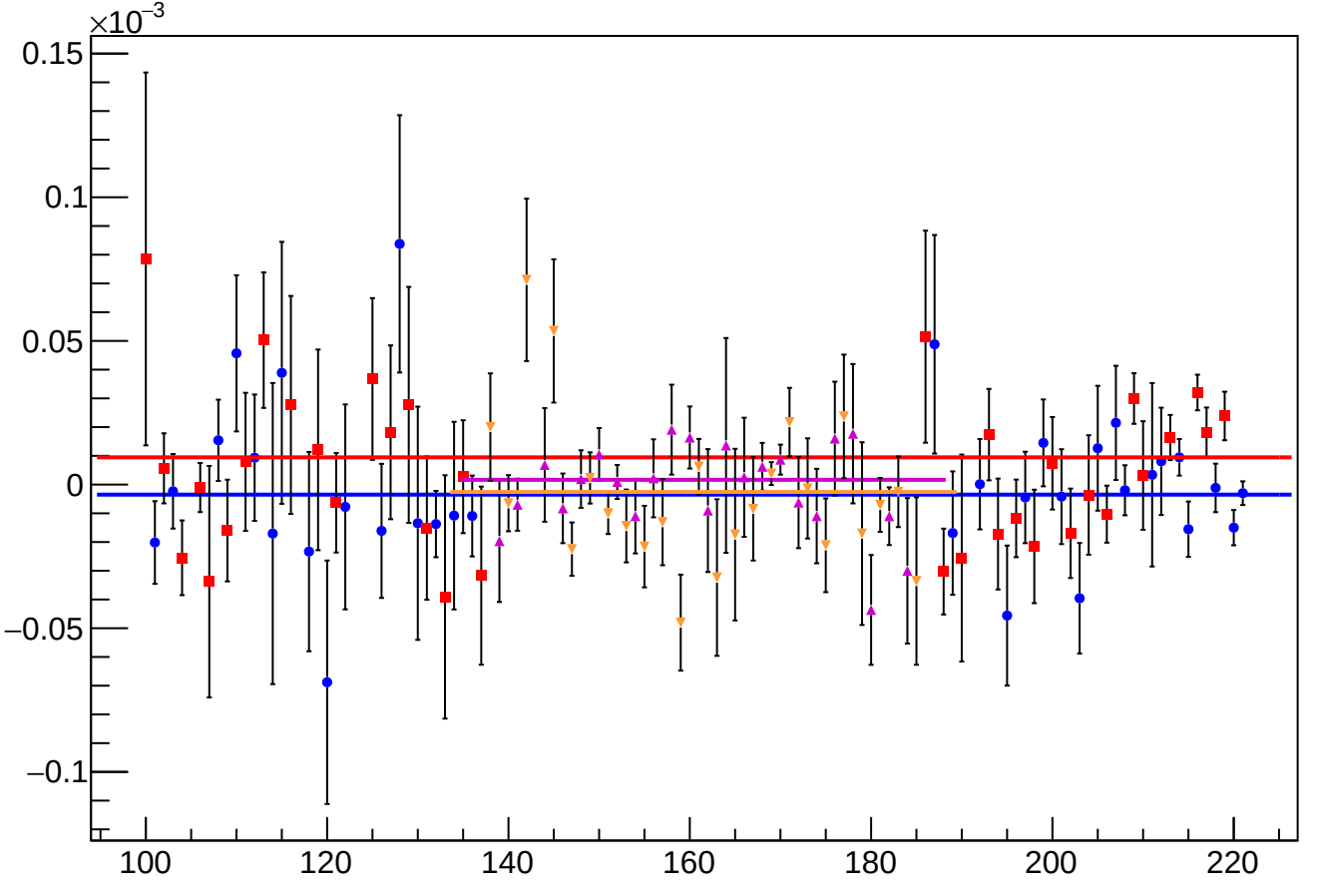
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 208.894+/-0.024 χ^2/NDF: 6300448.9/68

In: 246.786+/-0.030 χ^2/NDF:9146843.1/56

Out: 241.176+/-0.030 χ^2/NDF:11405800.5/58

All: 244.004+/-0.021 χ^2/NDF: 20569842.3/11



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: 69.9/34

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

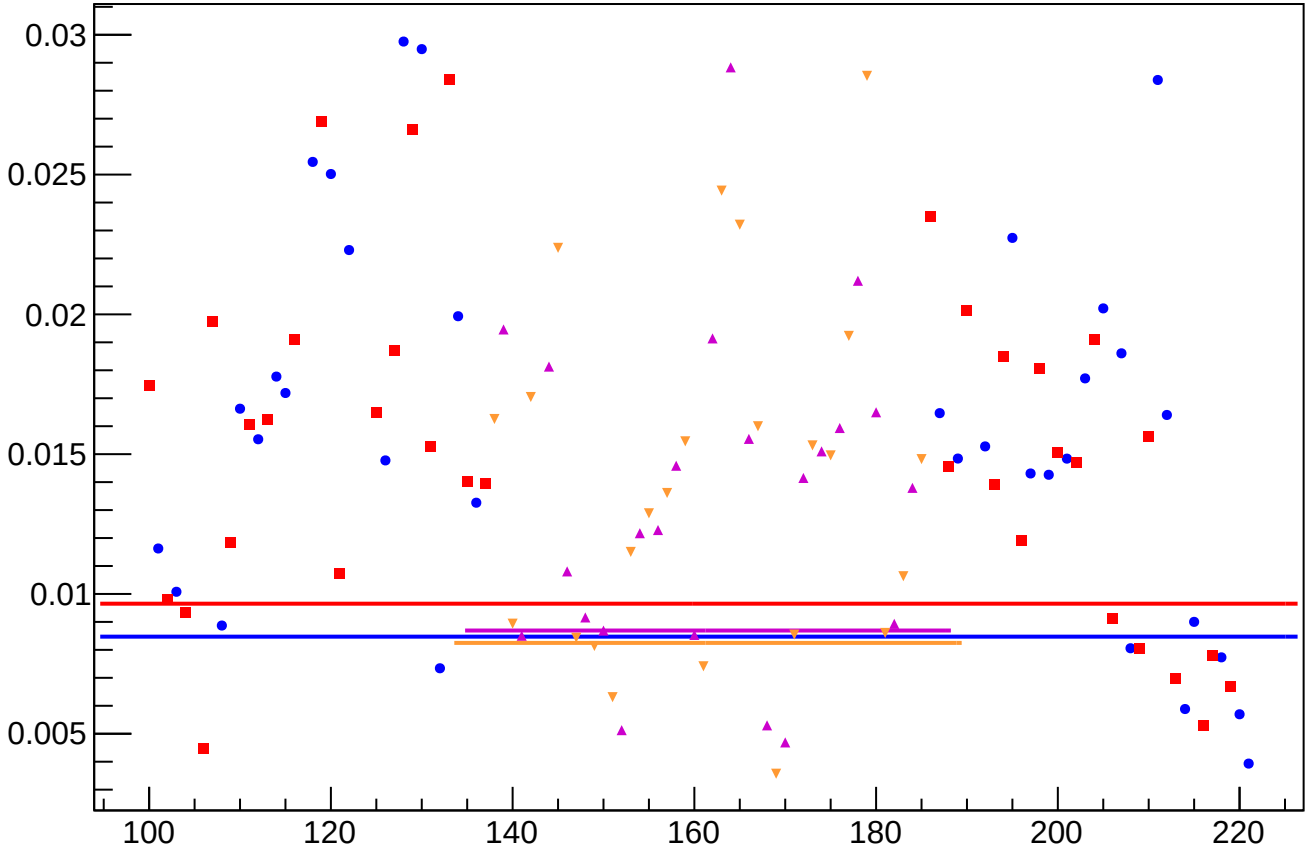
Right: 0.000+/-0.000 χ^2/NDF: 124.1/68

In: -0.000+/-0.000 χ^2/NDF:61.2/56

Out: 0.000+/-0.000 χ^2/NDF:126.7/58

All: 0.000+/-0.000 χ^2/NDF: 191.4/115

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.010+/-0.000 χ^2/NDF: 7442503.4/34

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

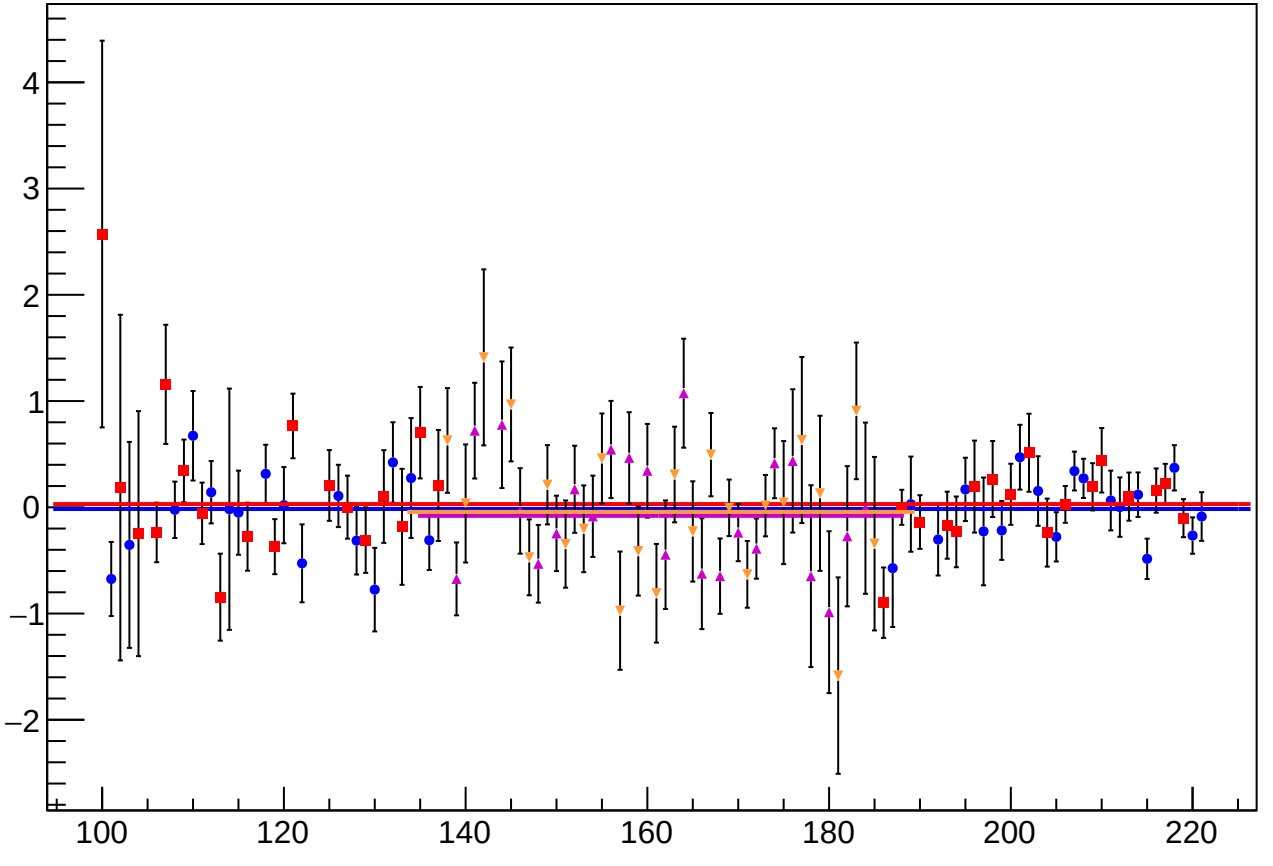
Right: 0.009+/-0.000 χ^2/NDF: 19168807.7/68

In: 0.009+/-0.000 χ^2/NDF:18341287.9/56

Out: 0.009+/-0.000 χ^2/NDF:16683833.0/58

All: 0.009+/-0.000 χ^2/NDF: 35069358.6/115

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+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

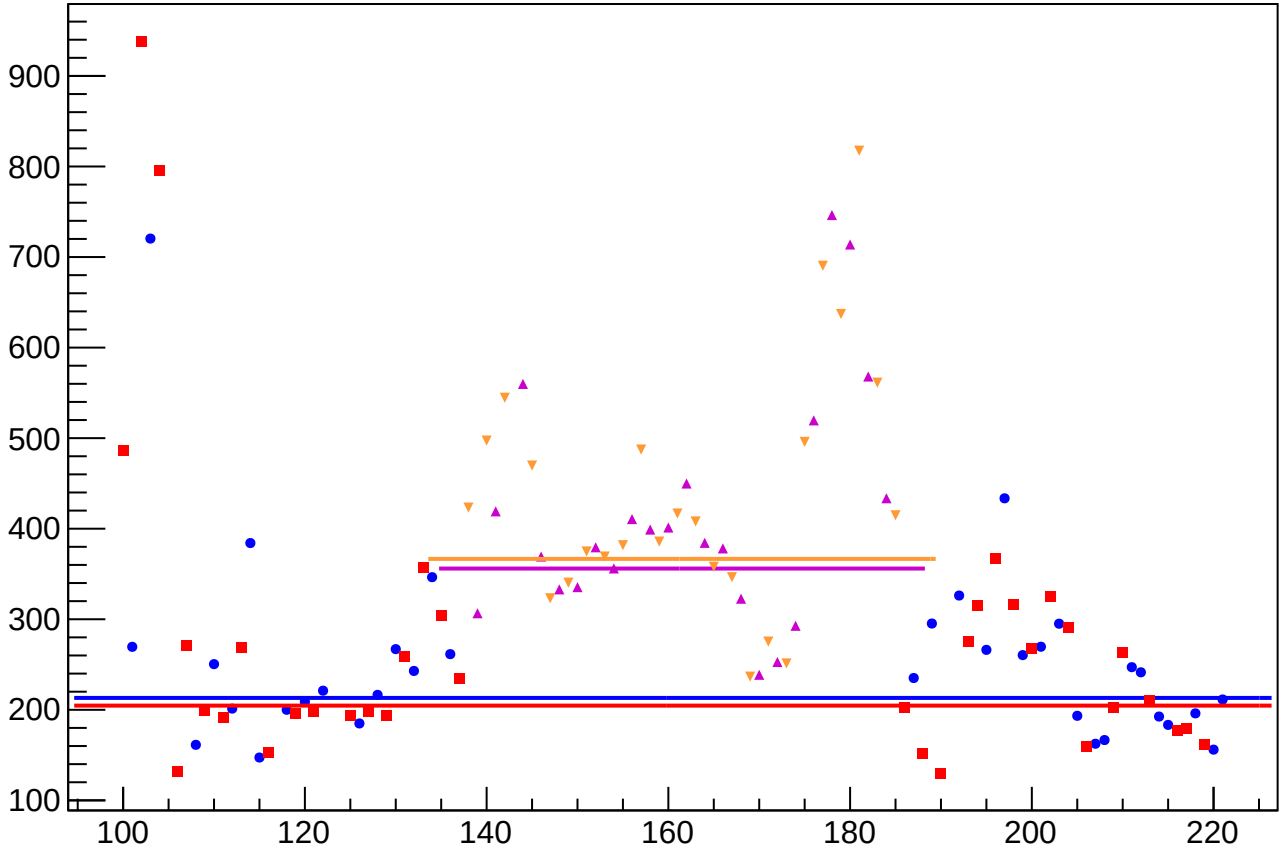
Right: 0.007+/-0.034 χ^2/NDF: 86.3/68

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: -0.009+/-0.030 χ^2/NDF: 148.6/115

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: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

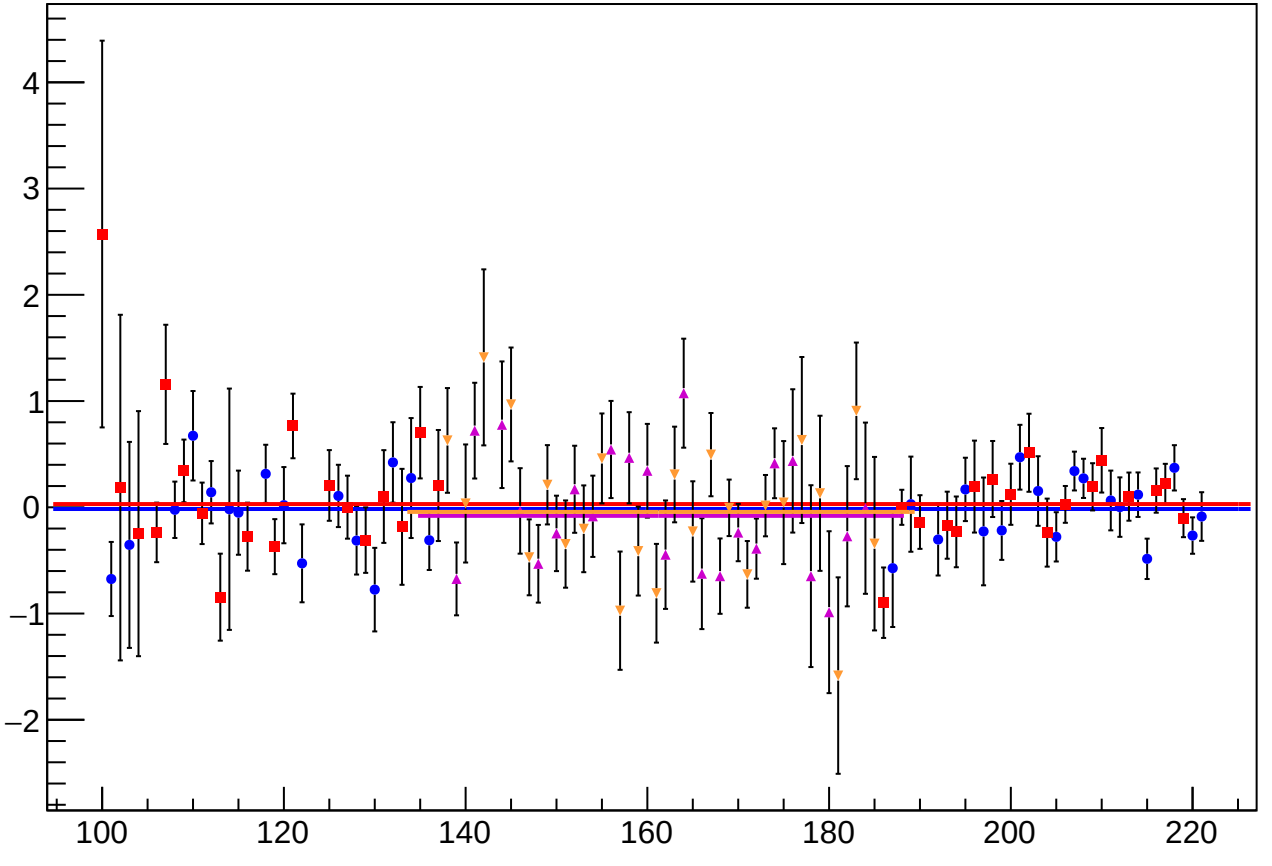
Right: 208.892+/-0.024 χ^2/NDF: 6300545.0/68

In: 246.785+/-0.030 χ^2/NDF:9147129.7/56

Out: 241.173+/-0.030 χ^2/NDF:11406244.0/58

All: 244.003+/-0.021 χ^2/NDF: 20570583.0/11

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+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

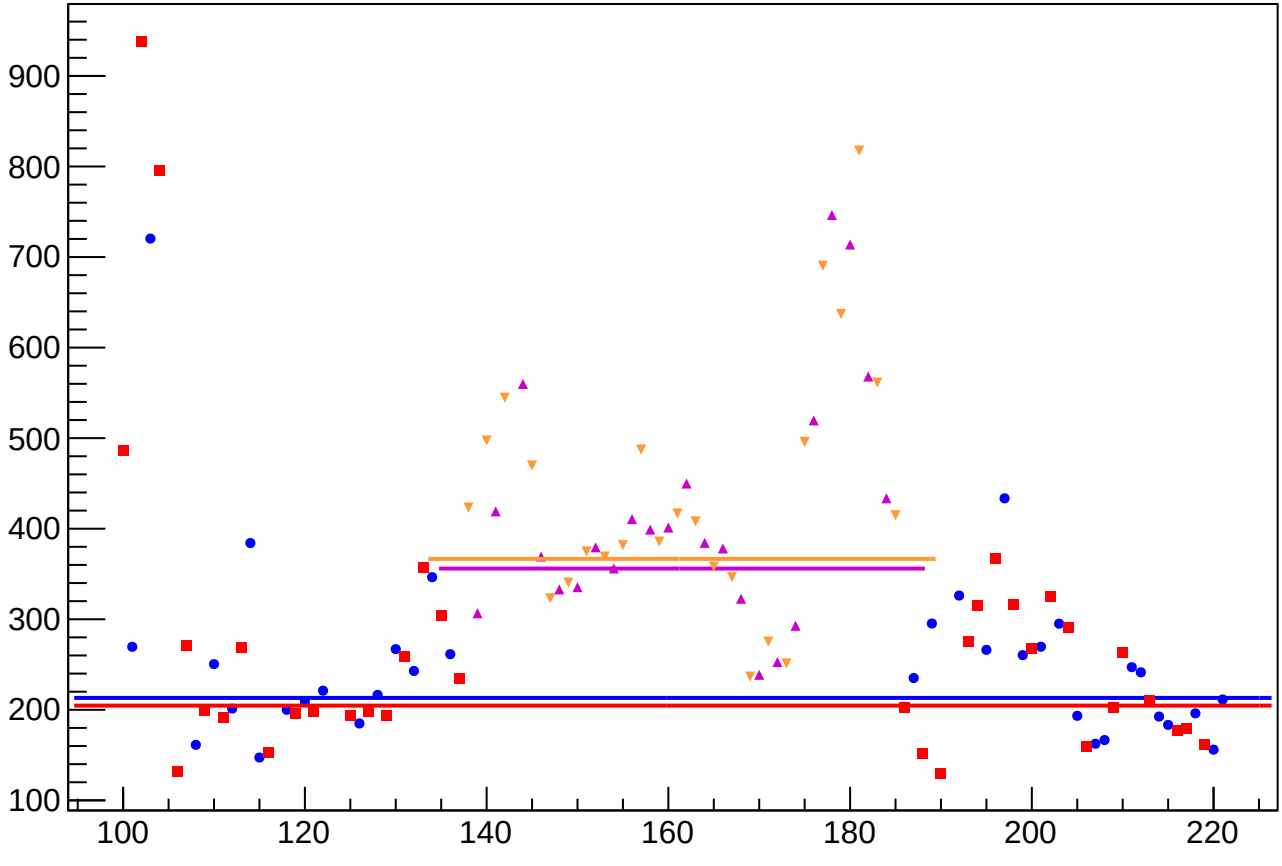
Right: 0.007+/-0.034 χ^2/NDF: 86.3/68

In: -0.031+/-0.043 χ^2/NDF:73.6/56

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: -0.009+/-0.030 χ^2/NDF: 148.6/115

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: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

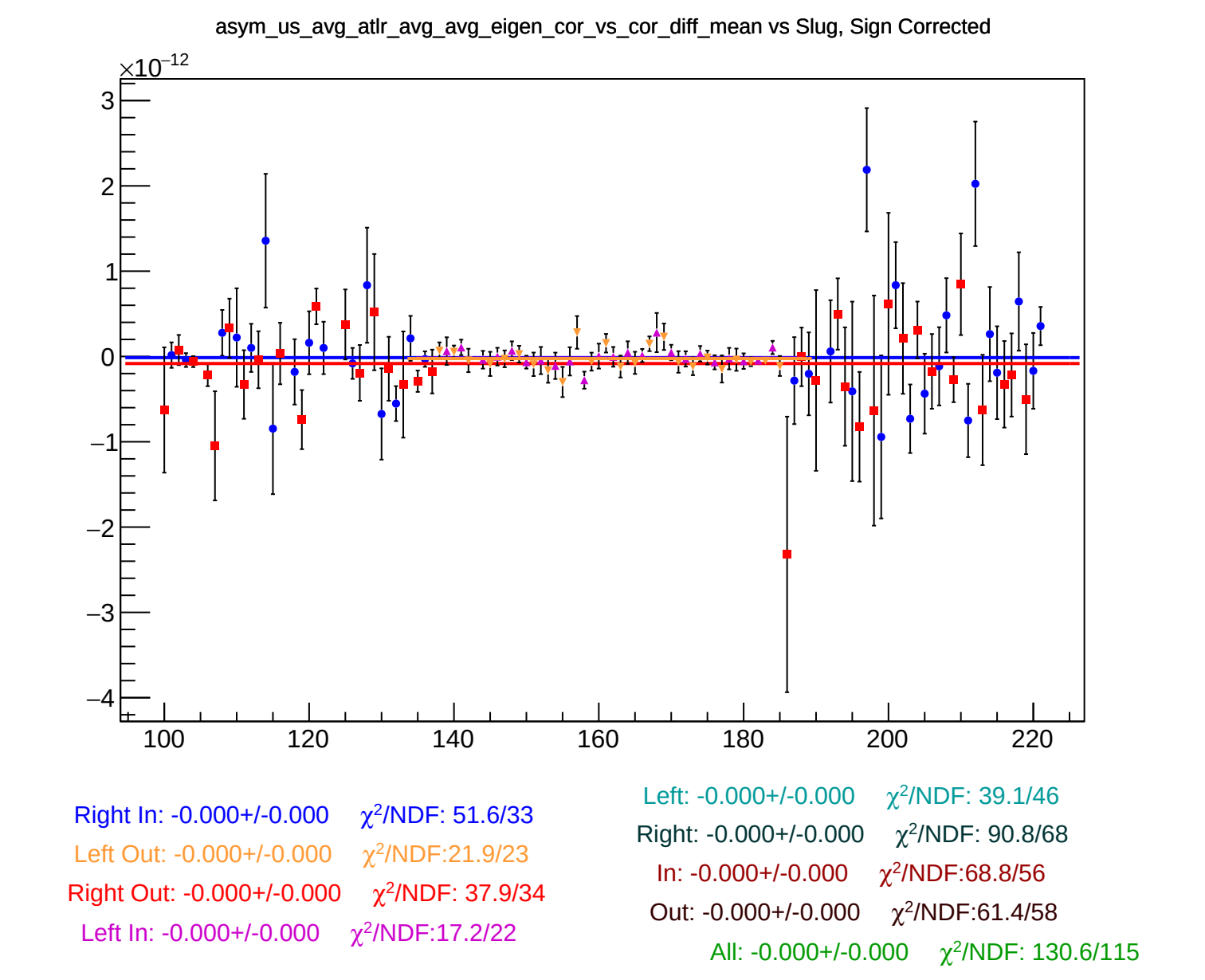
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

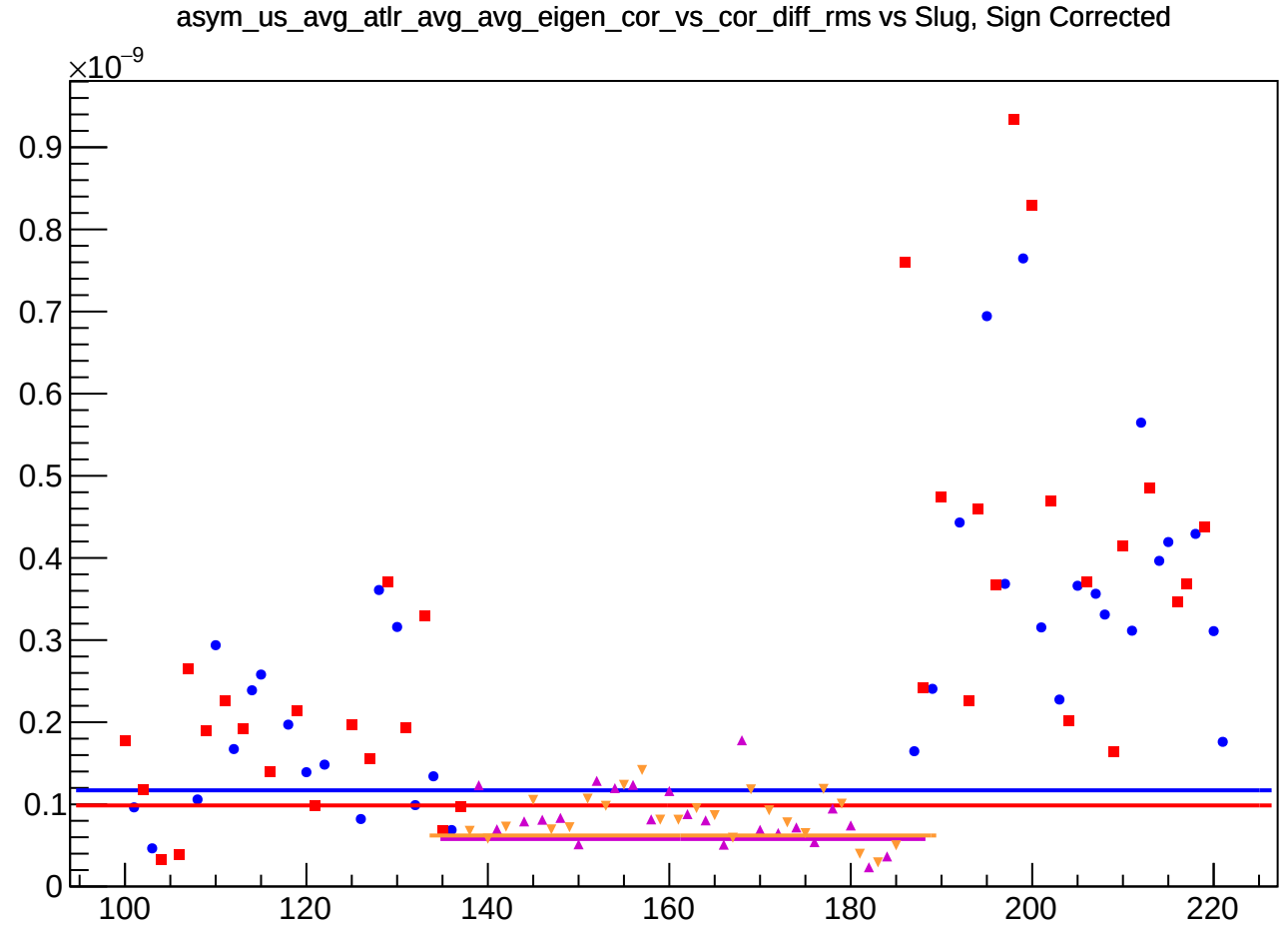
Right: 208.892+/-0.024 χ^2/NDF: 6300545.0/68

In: 246.785+/-0.030 χ^2/NDF:9147129.7/56

Out: 241.173+/-0.030 χ^2/NDF:11406244.0/58

All: 244.003+/-0.021 χ^2/NDF: 20570583.0/11


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: 37.9/34
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: 90.8/68
In: -0.000+/-0.000 χ²/NDF:68.8/56
Out: -0.000+/-0.000 χ²/NDF:61.4/58
All: -0.000+/-0.000 χ²/NDF: 130.6/115



Right In: 0.000+/-0.000 χ^2/NDF: 11195872.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12876428.8/34

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

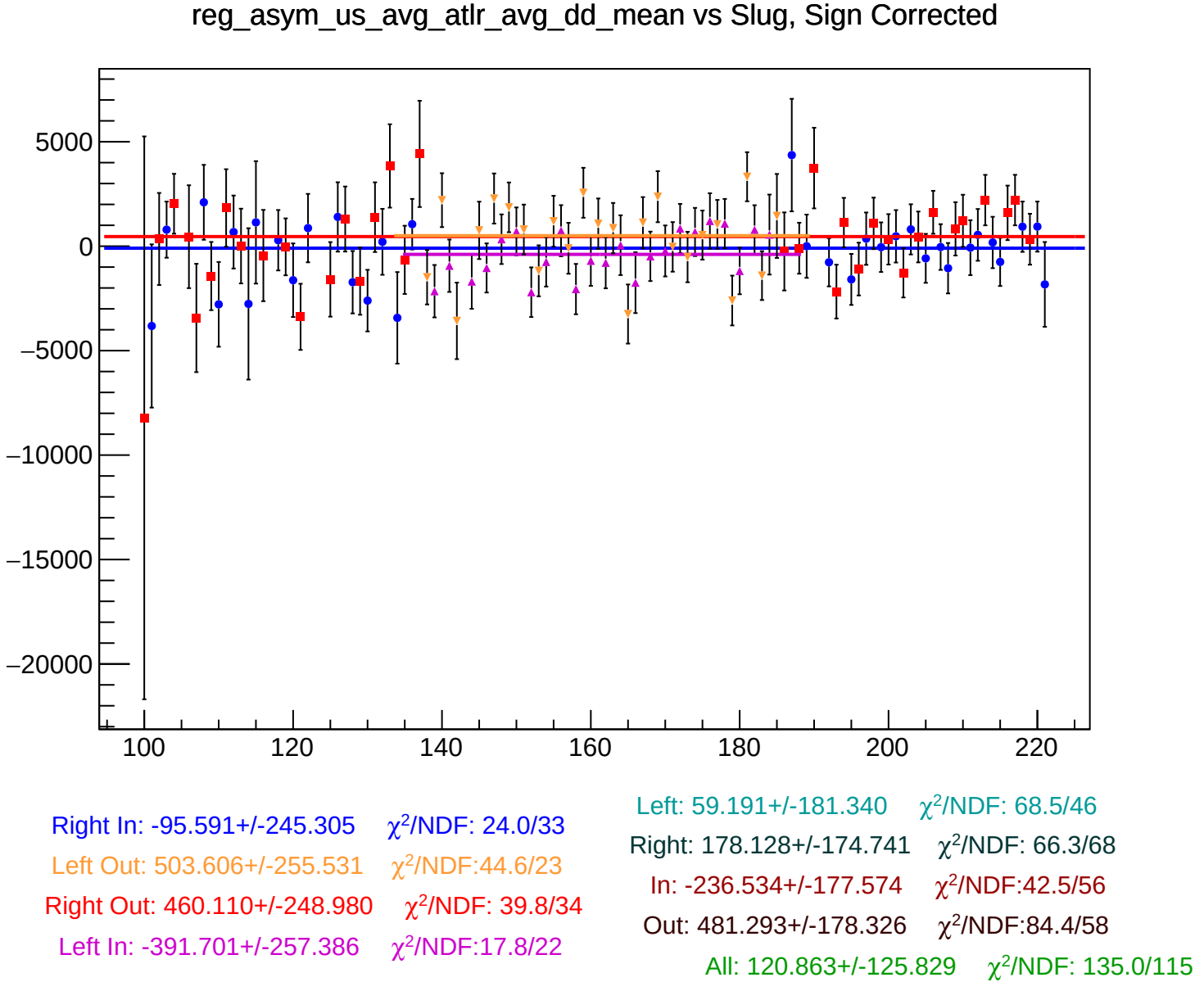
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

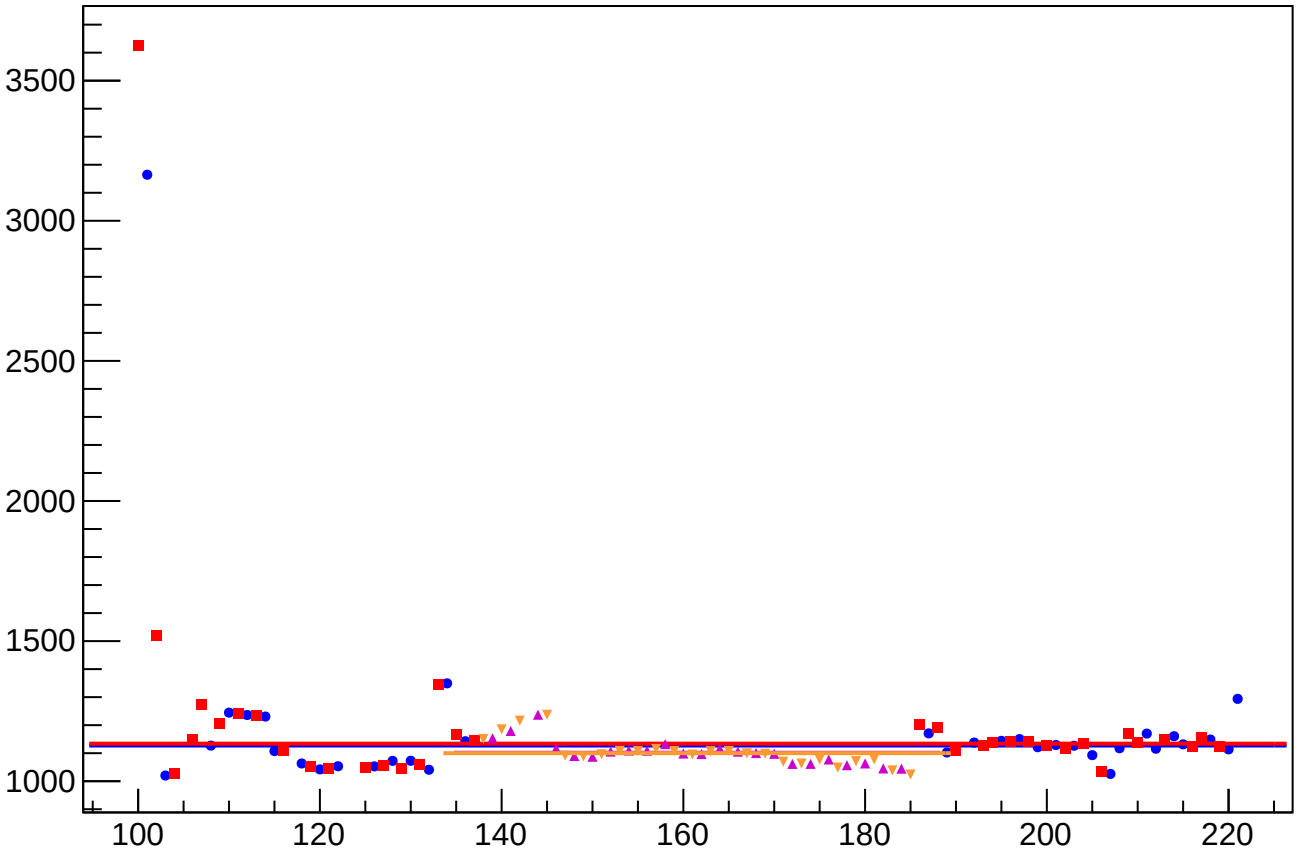
Right: 0.000+/-0.000 χ^2/NDF: 24259844.2/68

In: 0.000+/-0.000 χ^2/NDF:19873549.8/56

Out: 0.000+/-0.000 χ^2/NDF:18250922.3/58

All: 0.000+/-0.000 χ^2/NDF: 38133713.3/115


reg_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -95.591+/-245.305 χ²/NDF: 24.0/33
Left Out: 503.606+/-255.531 χ²/NDF:44.6/23
Right Out: 460.110+/-248.980 χ²/NDF: 39.8/34
Left In: -391.701+/-257.386 χ²/NDF:17.8/22
Left: 59.191+/-181.340 χ²/NDF: 68.5/46
Right: 178.128+/-174.741 χ²/NDF: 66.3/68
In: -236.534+/-177.574 χ²/NDF:42.5/56
Out: 481.293+/-178.326 χ²/NDF:84.4/58
All: 120.863+/-125.829 χ²/NDF: 135.0/115



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: 1134.038+/-0.176 χ^2/NDF: 250417.1/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

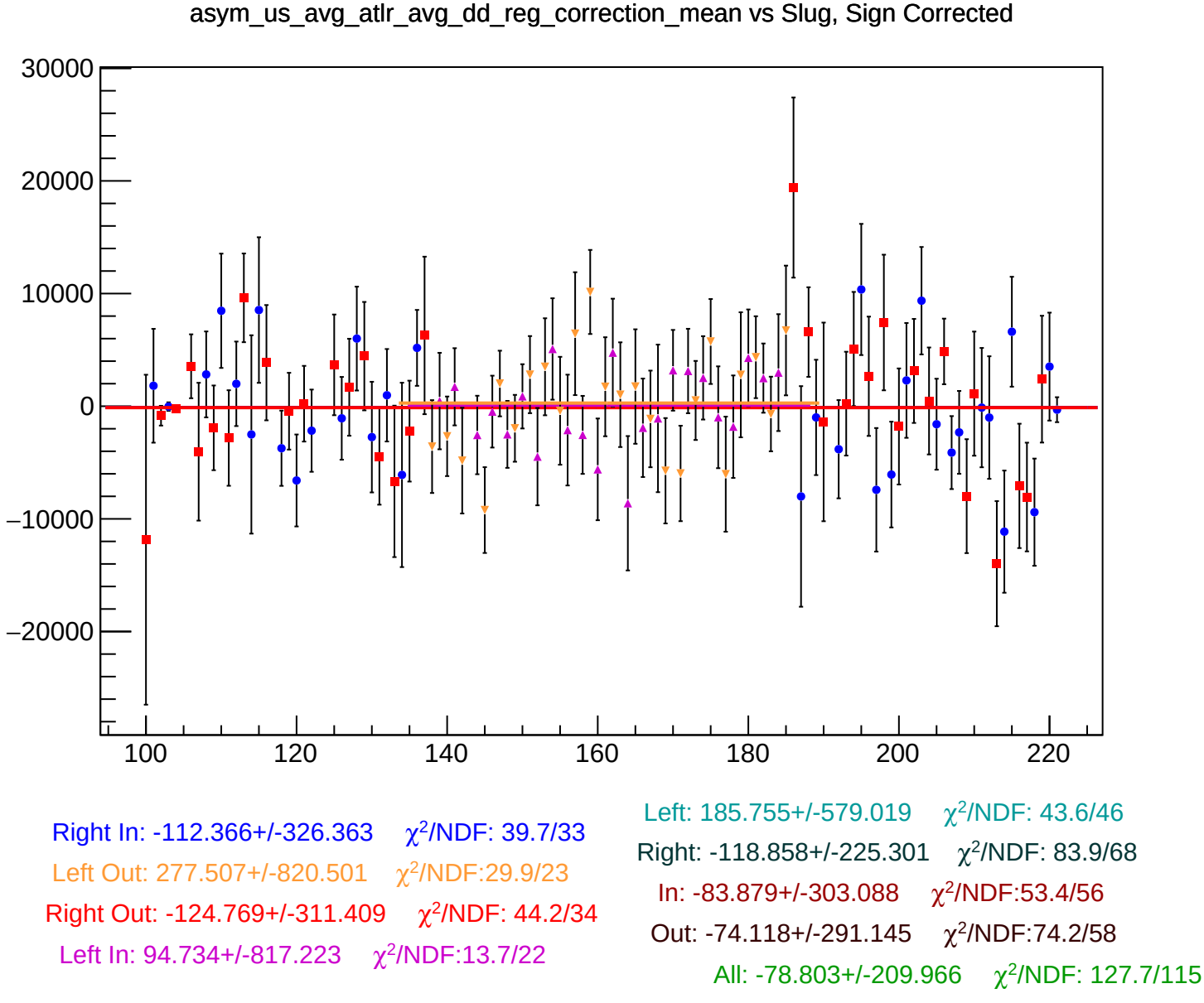
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

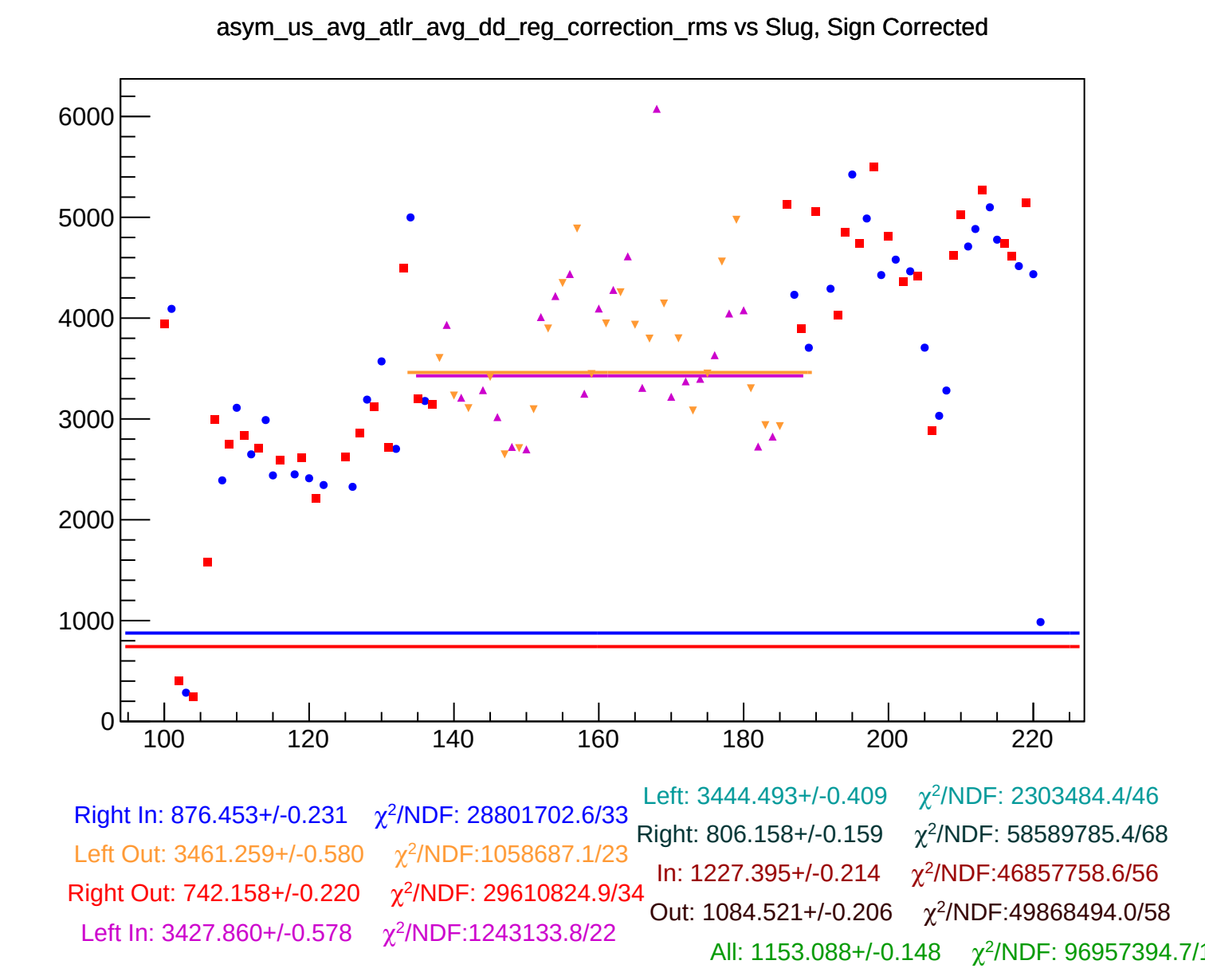
Right: 1130.660+/-0.124 χ^2/NDF: 911960.8/68

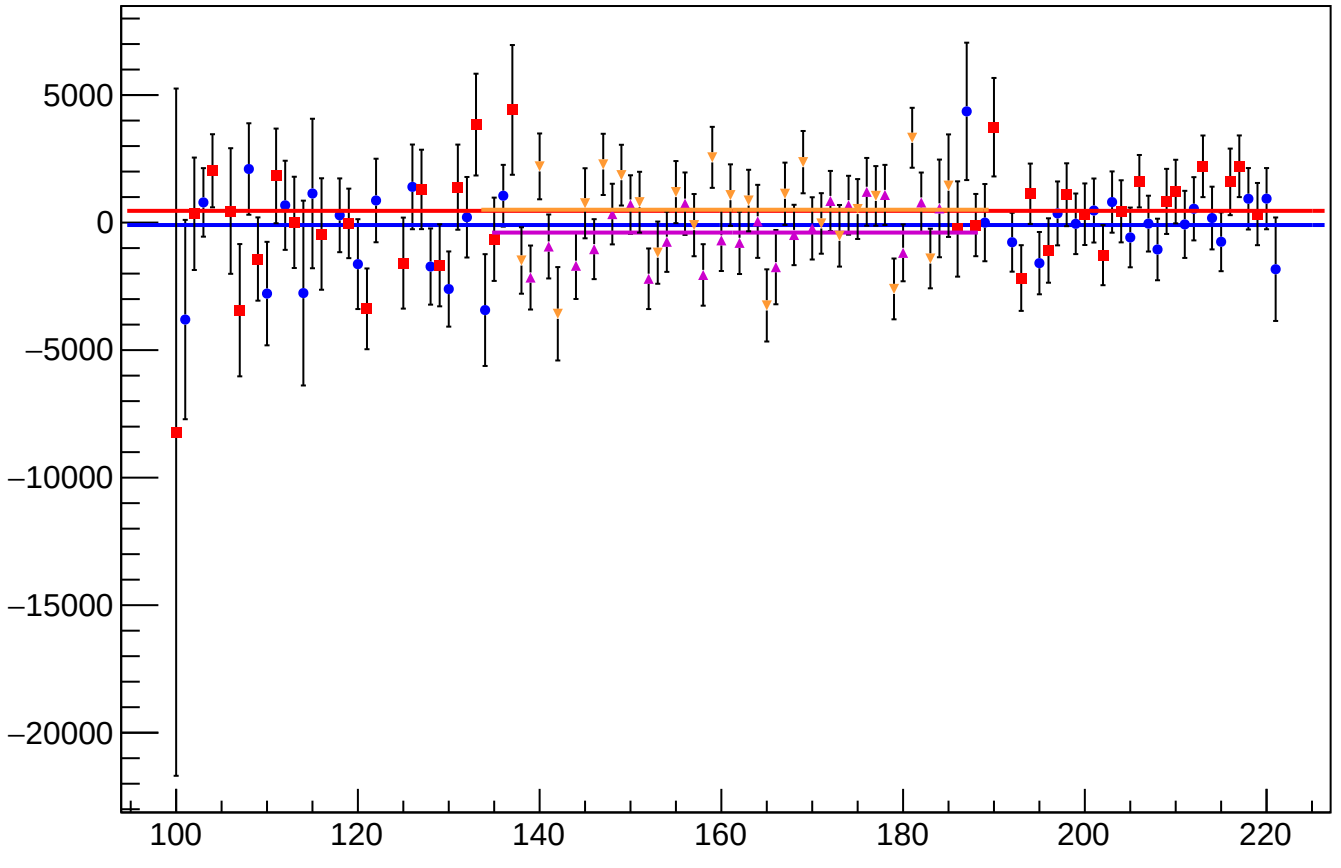
In: 1115.074+/-0.126 χ^2/NDF:723532.1/56

Out: 1117.502+/-0.126 χ^2/NDF:327298.0/58

All: 1116.283+/-0.089 χ^2/NDF: 1051016.3/11


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: -124.769+/-311.409 χ²/NDF: 44.2/34
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -118.858+/-225.301 χ²/NDF: 83.9/68
In: -83.879+/-303.088 χ²/NDF:53.4/56
Out: -74.118+/-291.145 χ²/NDF:74.2/58
All: -78.803+/-209.966 χ²/NDF: 127.7/115


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 876.453+/-0.231 χ²/NDF: 28801702.6/33
Left Out: 3461.259+/-0.580 χ²/NDF:1058687.1/23
Right Out: 742.158+/-0.220 χ²/NDF: 29610824.9/34
Left In: 3427.860+/-0.578 χ²/NDF:1243133.8/22
Left: 3444.493+/-0.409 χ²/NDF: 2303484.4/46
Right: 806.158+/-0.159 χ²/NDF: 58589785.4/68
In: 1227.395+/-0.214 χ²/NDF:46857758.6/56
Out: 1084.521+/-0.206 χ²/NDF:49868494.0/58
All: 1153.088+/-0.148 χ²/NDF: 96957394.7/1



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: 460.132+/-248.980 χ^2/NDF: 39.8/34

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

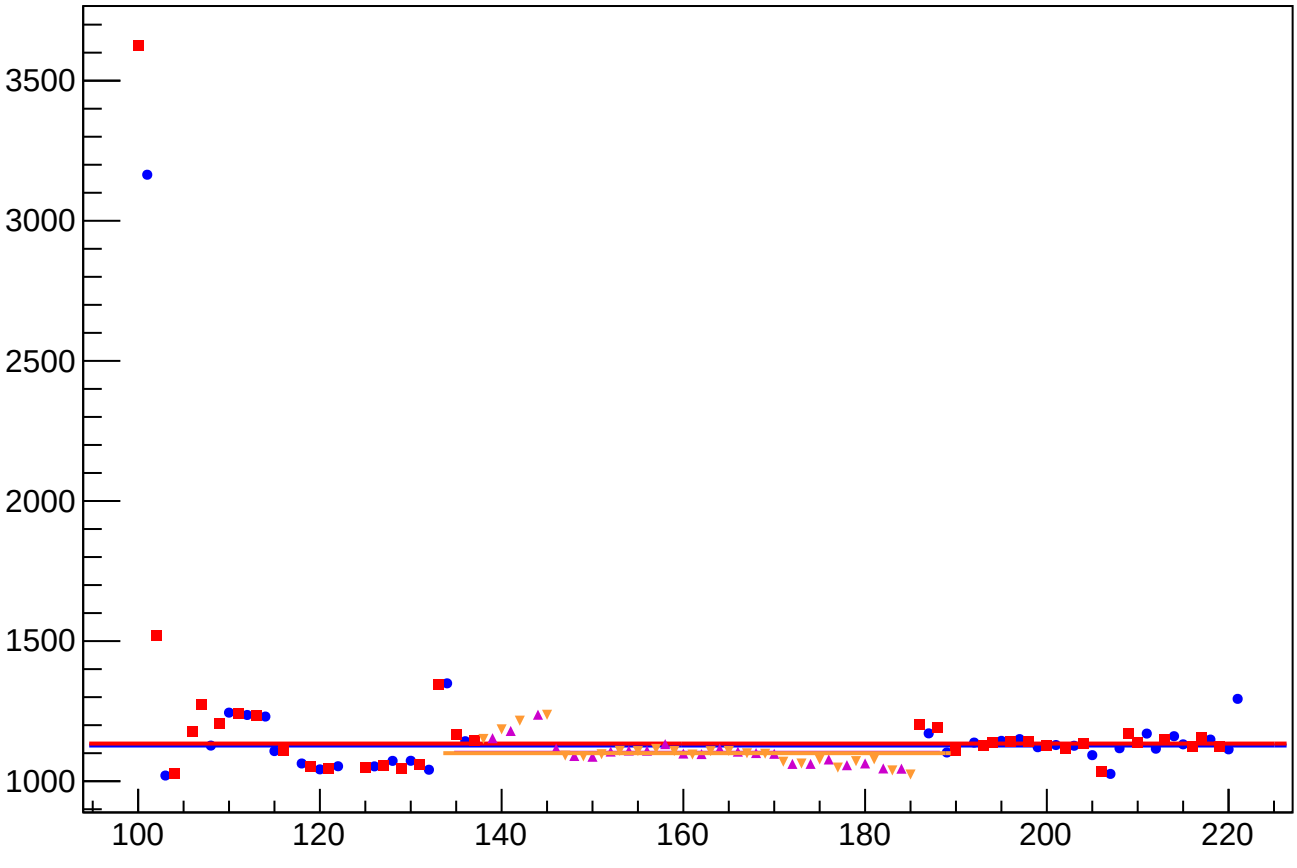
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 178.178+/-174.741 χ^2/NDF: 66.3/68

In: -236.488+/-177.574 χ^2/NDF:42.5/56

Out: 481.340+/-178.326 χ^2/NDF:84.4/58

All: 120.910+/-125.829 χ^2/NDF: 135.0/115



Right In: 1127.377+/-0.173 χ^2/NDF: 660818.1/33

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

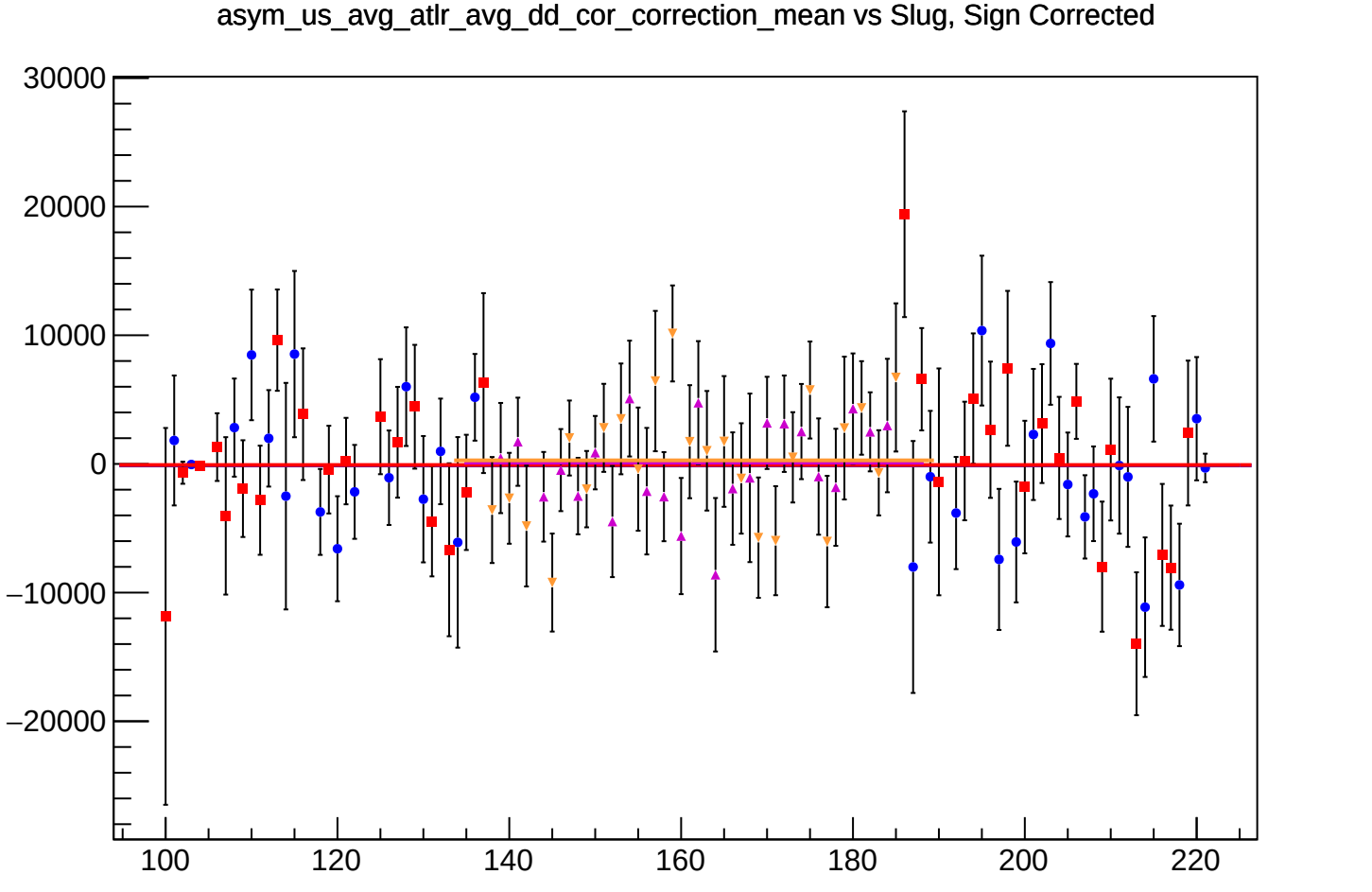
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

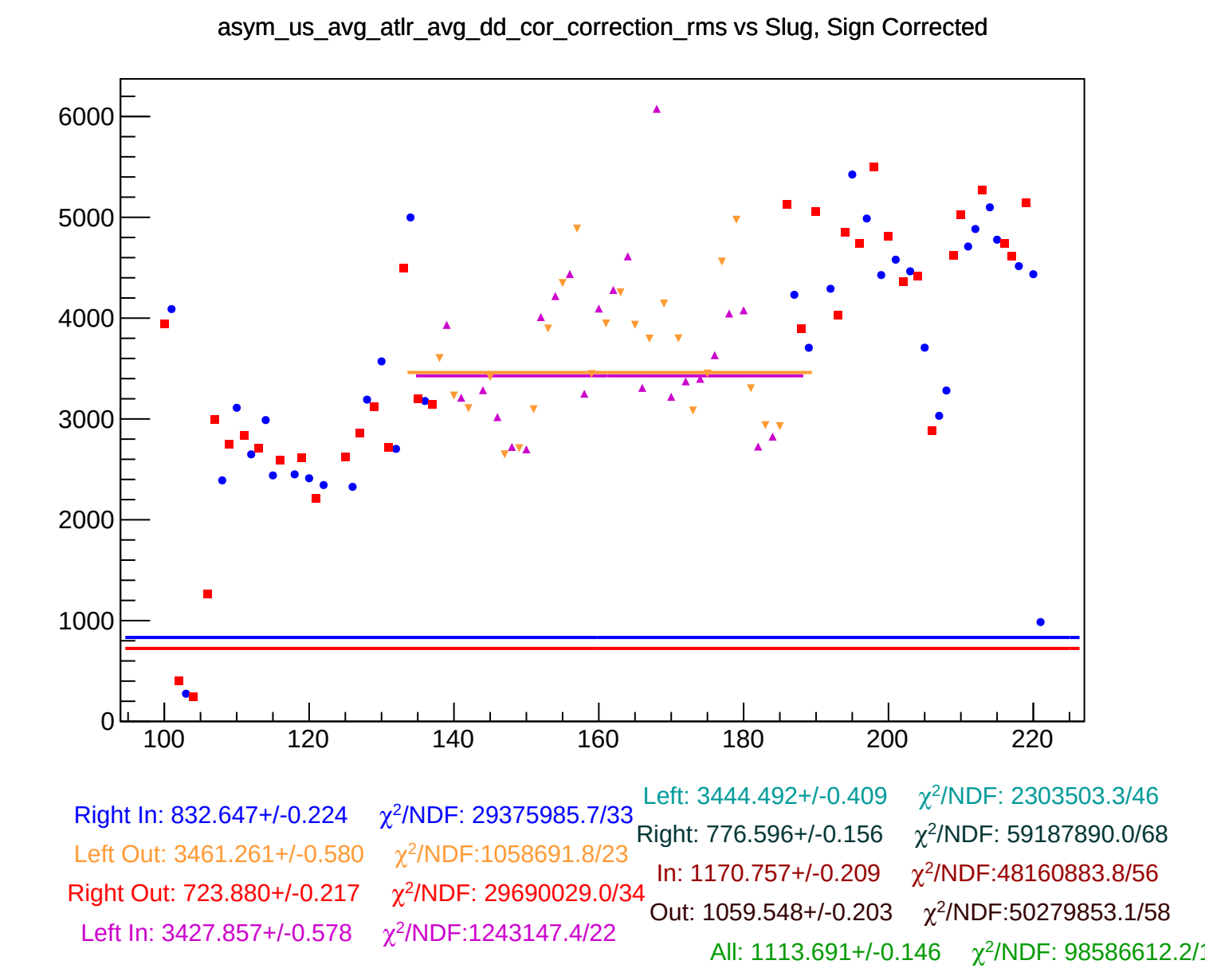
Right: 1130.815+/-0.124 χ^2/NDF: 912639.5/68

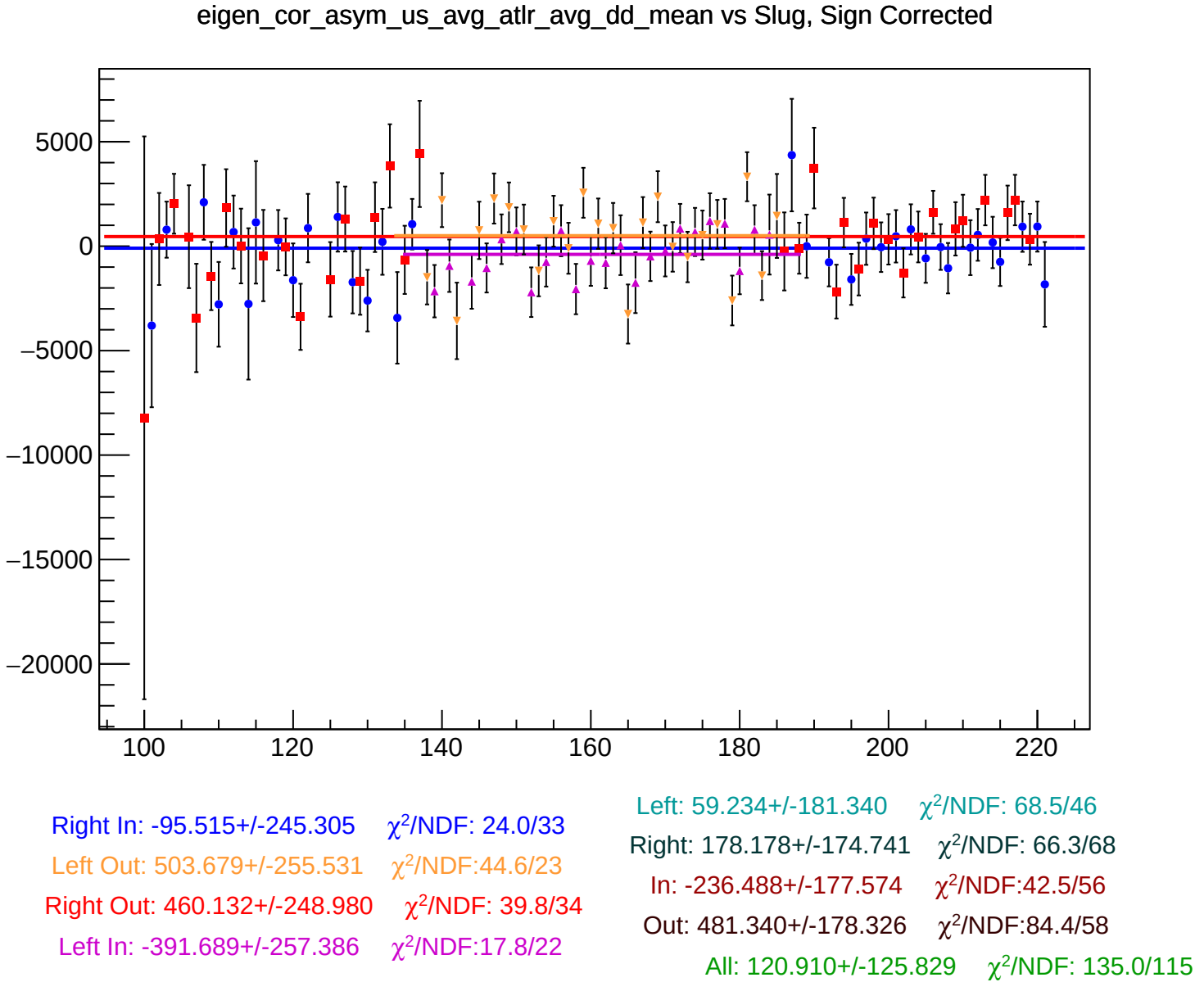
In: 1115.074+/-0.126 χ^2/NDF:723533.1/56

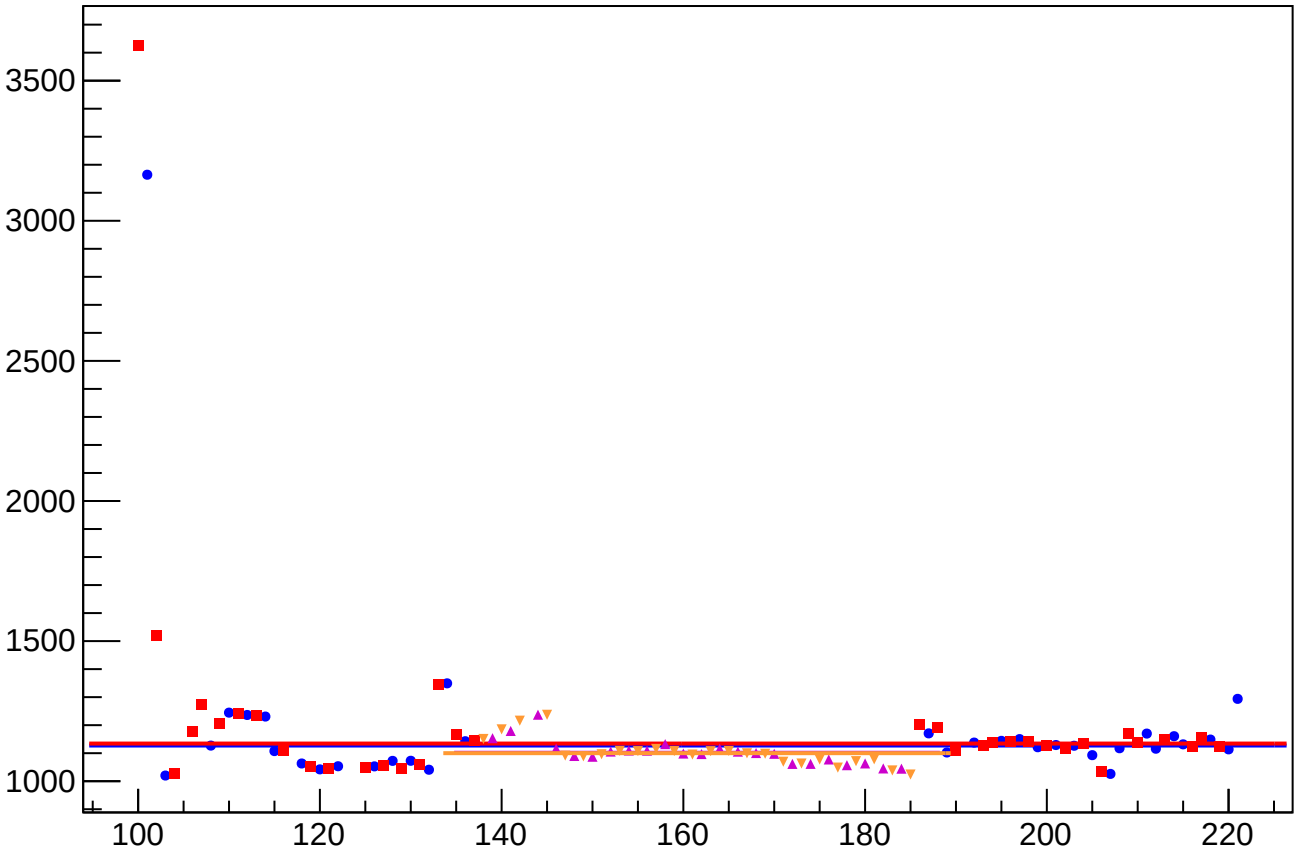
Out: 1117.658+/-0.126 χ^2/NDF:328238.4/58

All: 1116.361+/-0.089 χ^2/NDF: 1051982.4/11


asym_us_avg_atlr_avg_dd_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: -84.637+/-306.742 χ²/NDF: 42.5/34
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -100.514+/-220.200 χ²/NDF: 82.2/68
In: -89.757+/-294.974 χ²/NDF:53.4/56
Out: -40.226+/-287.320 χ²/NDF:72.5/58
All: -64.341+/-205.819 χ²/NDF: 126.0/115


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 832.647+/-0.224 χ²/NDF: 29375985.7/33
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 723.880+/-0.217 χ²/NDF: 29690029.0/34
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 776.596+/-0.156 χ²/NDF: 59187890.0/68
In: 1170.757+/-0.209 χ²/NDF:48160883.8/56
Out: 1059.548+/-0.203 χ²/NDF:50279853.1/58
All: 1113.691+/-0.146 χ²/NDF: 98586612.2/1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -95.515+/-245.305 χ²/NDF: 24.0/33
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 460.132+/-248.980 χ²/NDF: 39.8/34
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 178.178+/-174.741 χ²/NDF: 66.3/68
In: -236.488+/-177.574 χ²/NDF:42.5/56
Out: 481.340+/-178.326 χ²/NDF:84.4/58
All: 120.910+/-125.829 χ²/NDF: 135.0/115



Right In: 1127.377+/-0.173 χ^2/NDF: 660818.1/33

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

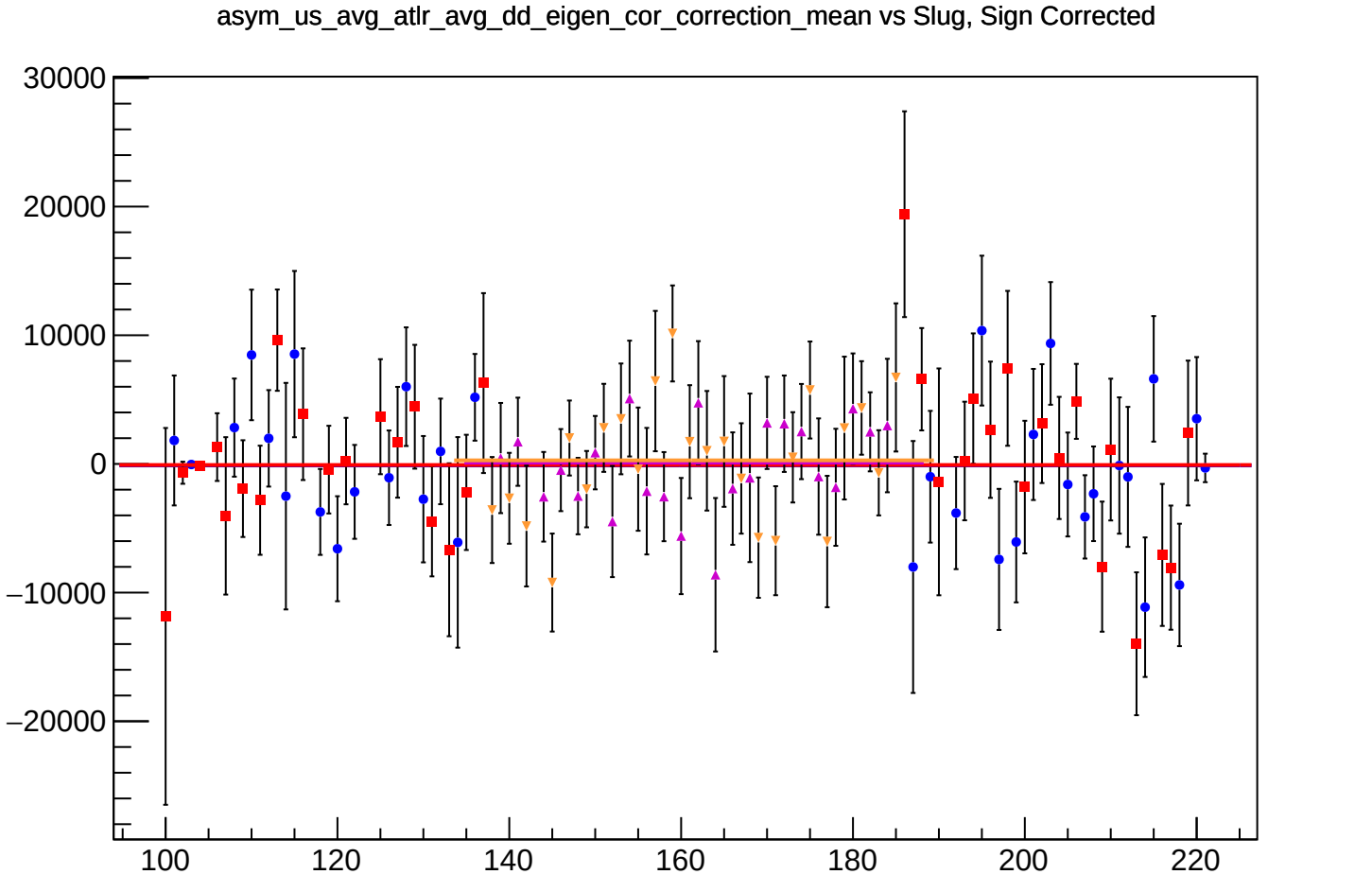
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

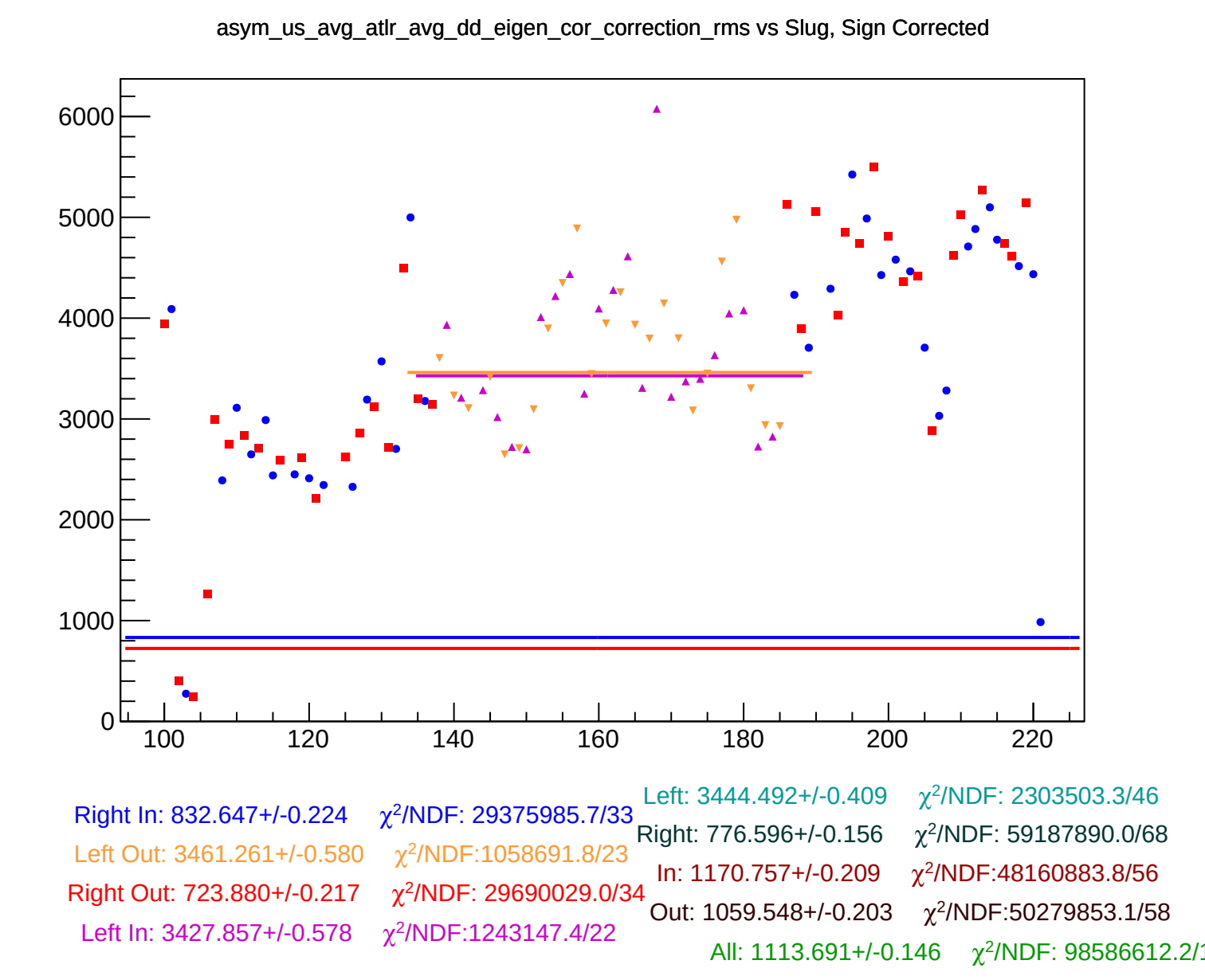
Right: 1130.815+/-0.124 χ^2/NDF: 912639.5/68

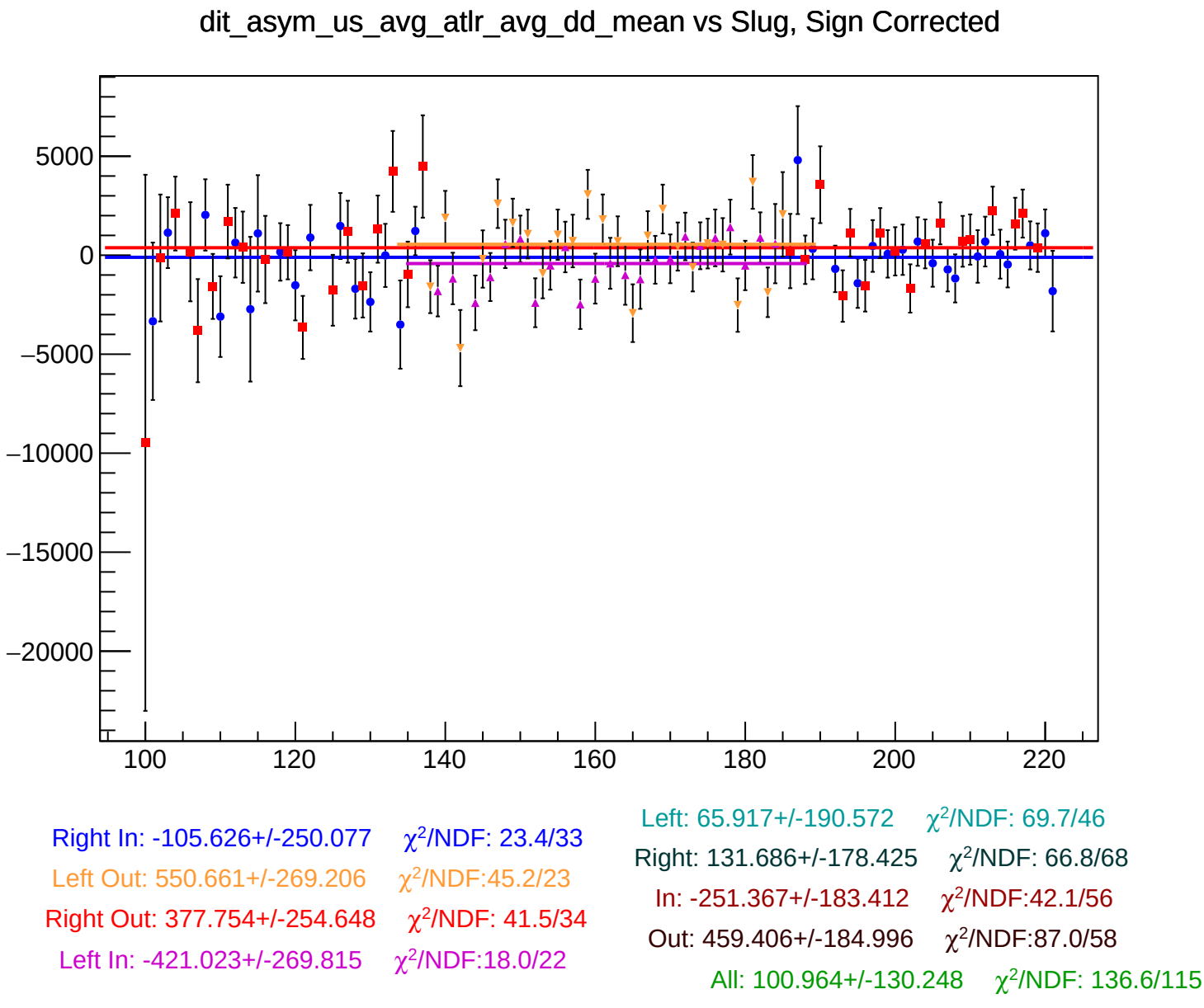
In: 1115.074+/-0.126 χ^2/NDF:723533.1/56

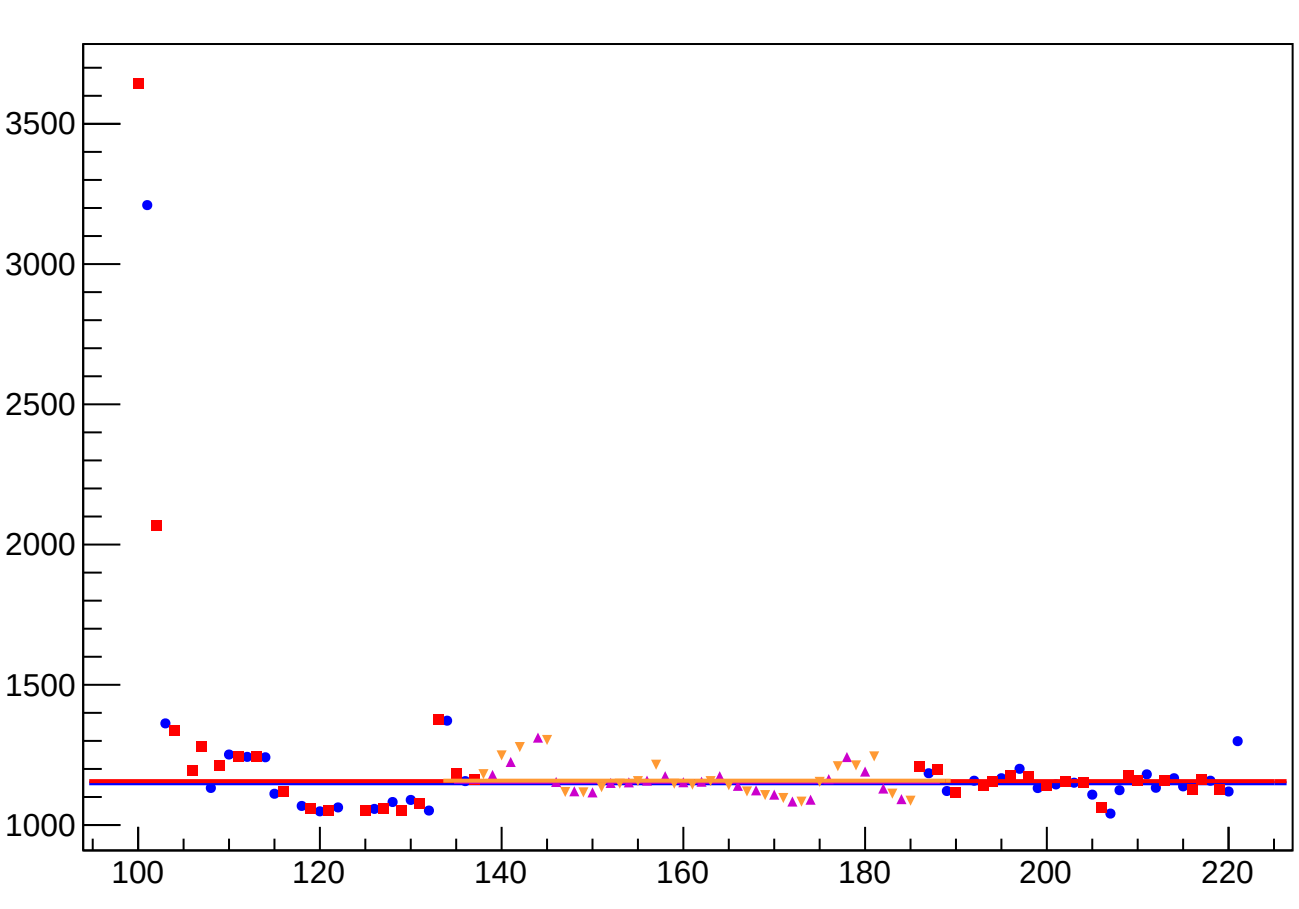
Out: 1117.658+/-0.126 χ^2/NDF:328238.4/58

All: 1116.361+/-0.089 χ^2/NDF: 1051982.4/11


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: -84.637+/-306.742 χ²/NDF: 42.5/34
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -100.514+/-220.200 χ²/NDF: 82.2/68
In: -89.757+/-294.974 χ²/NDF:53.4/56
Out: -40.226+/-287.320 χ²/NDF:72.5/58
All: -64.341+/-205.819 χ²/NDF: 126.0/115


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 832.647+/-0.224 χ²/NDF: 29375985.7/33
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 723.880+/-0.217 χ²/NDF: 29690029.0/34
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 776.596+/-0.156 χ²/NDF: 59187890.0/68
In: 1170.757+/-0.209 χ²/NDF:48160883.8/56
Out: 1059.548+/-0.203 χ²/NDF:50279853.1/58
All: 1113.691+/-0.146 χ²/NDF: 98586612.2/1


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -105.626+/-250.077 χ²/NDF: 23.4/33
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: 377.754+/-254.648 χ²/NDF: 41.5/34
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: 131.686+/-178.425 χ²/NDF: 66.8/68
In: -251.367+/-183.412 χ²/NDF:42.1/56
Out: 459.406+/-184.996 χ²/NDF:87.0/58
All: 100.964+/-130.248 χ²/NDF: 136.6/115



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: 1156.576+/-0.180 χ^2/NDF: 358334.6/34

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

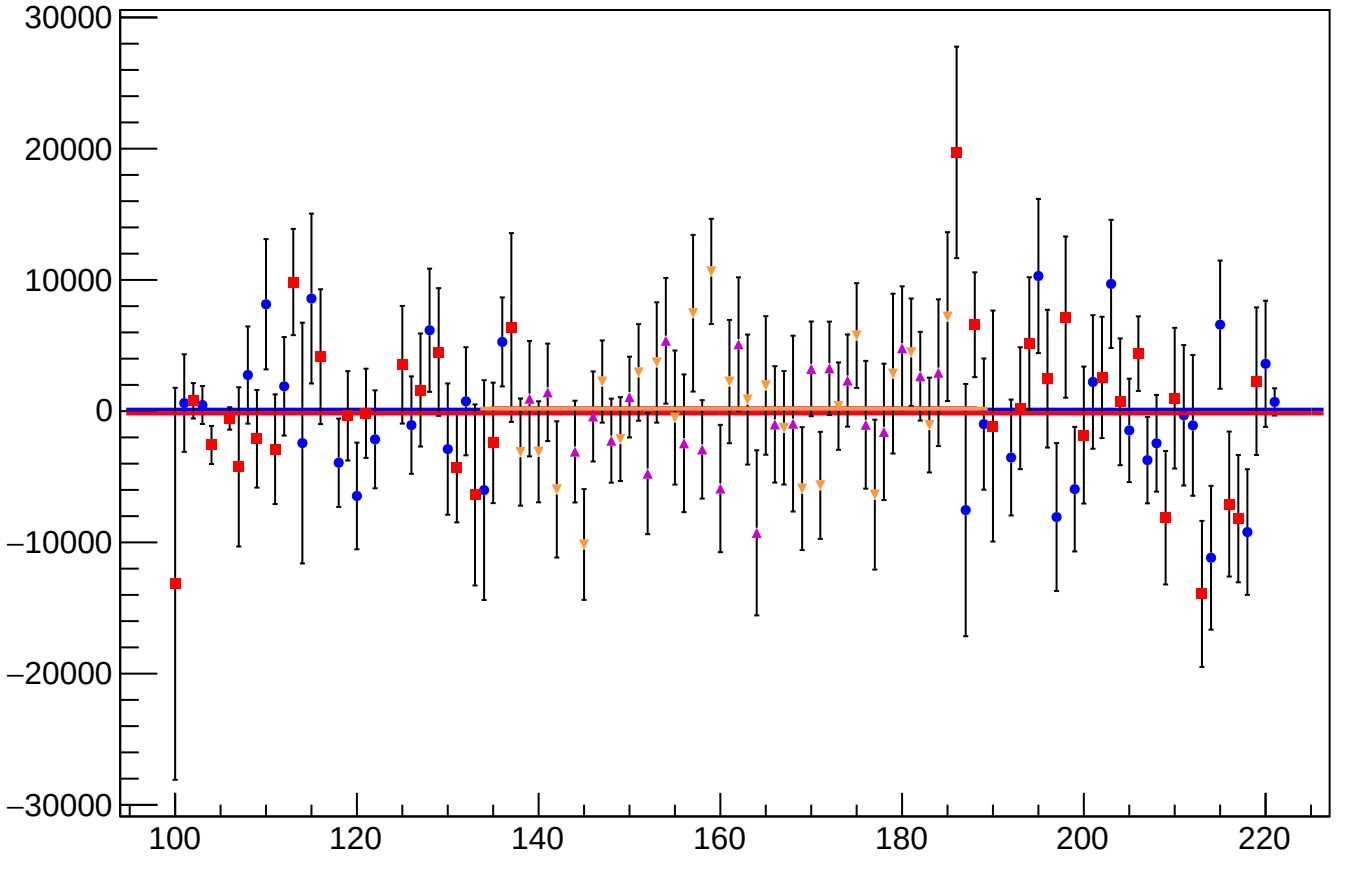
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1152.686+/-0.126 χ^2/NDF: 1038000.8/68

In: 1151.382+/-0.130 χ^2/NDF:745640.8/56

Out: 1157.332+/-0.131 χ^2/NDF:442483.7/58

All: 1154.331+/-0.092 χ^2/NDF: 1189167.9/11



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: -173.771+/-511.276 χ^2/NDF: 44.8/34

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

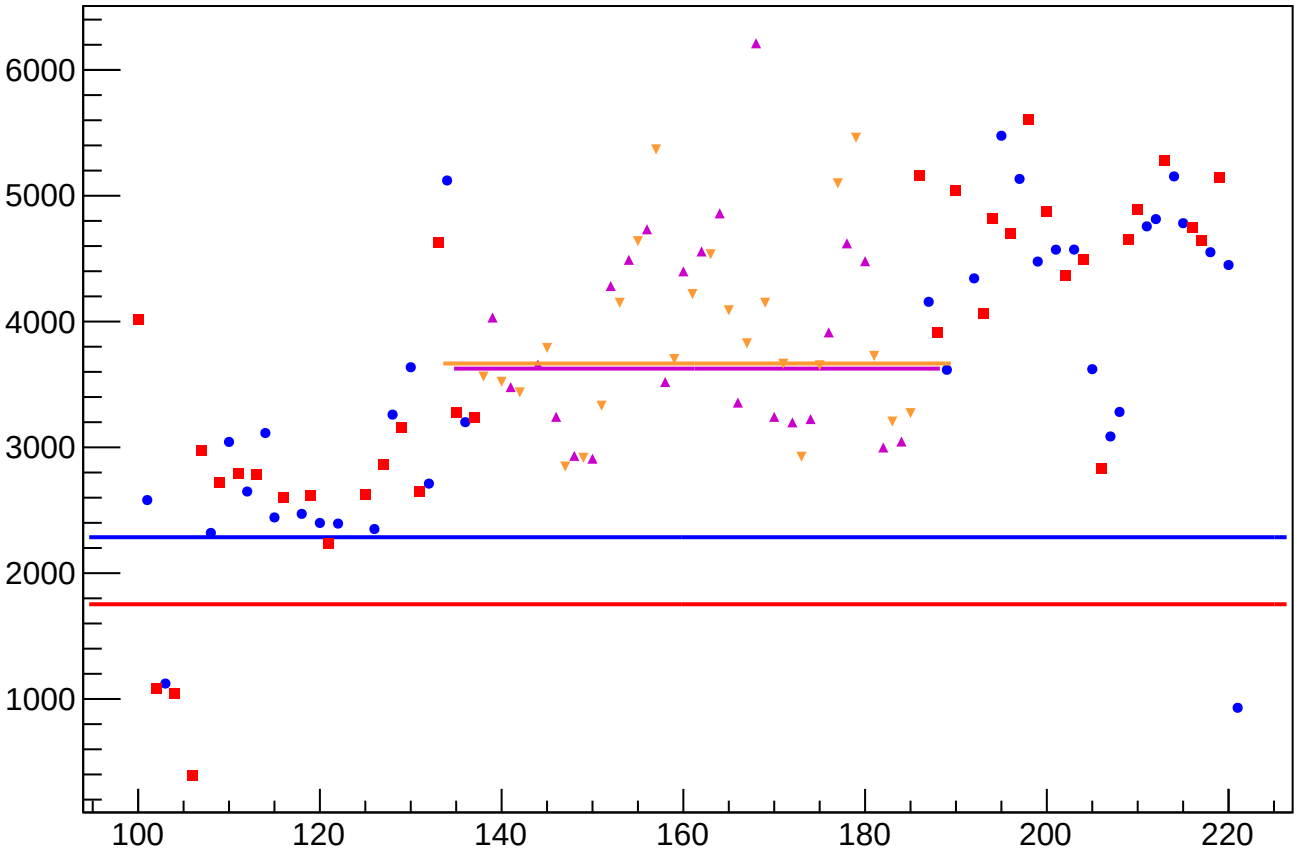
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: -47.696+/-383.090 χ^2/NDF: 84.4/68

In: 146.977+/-480.813 χ^2/NDF:52.9/56

Out: -80.366+/-440.721 χ^2/NDF:74.2/58

All: 23.433+/-324.887 χ^2/NDF: 127.2/115



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: 1752.806+/-0.362 χ^2/NDF: 18255607.1/34

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

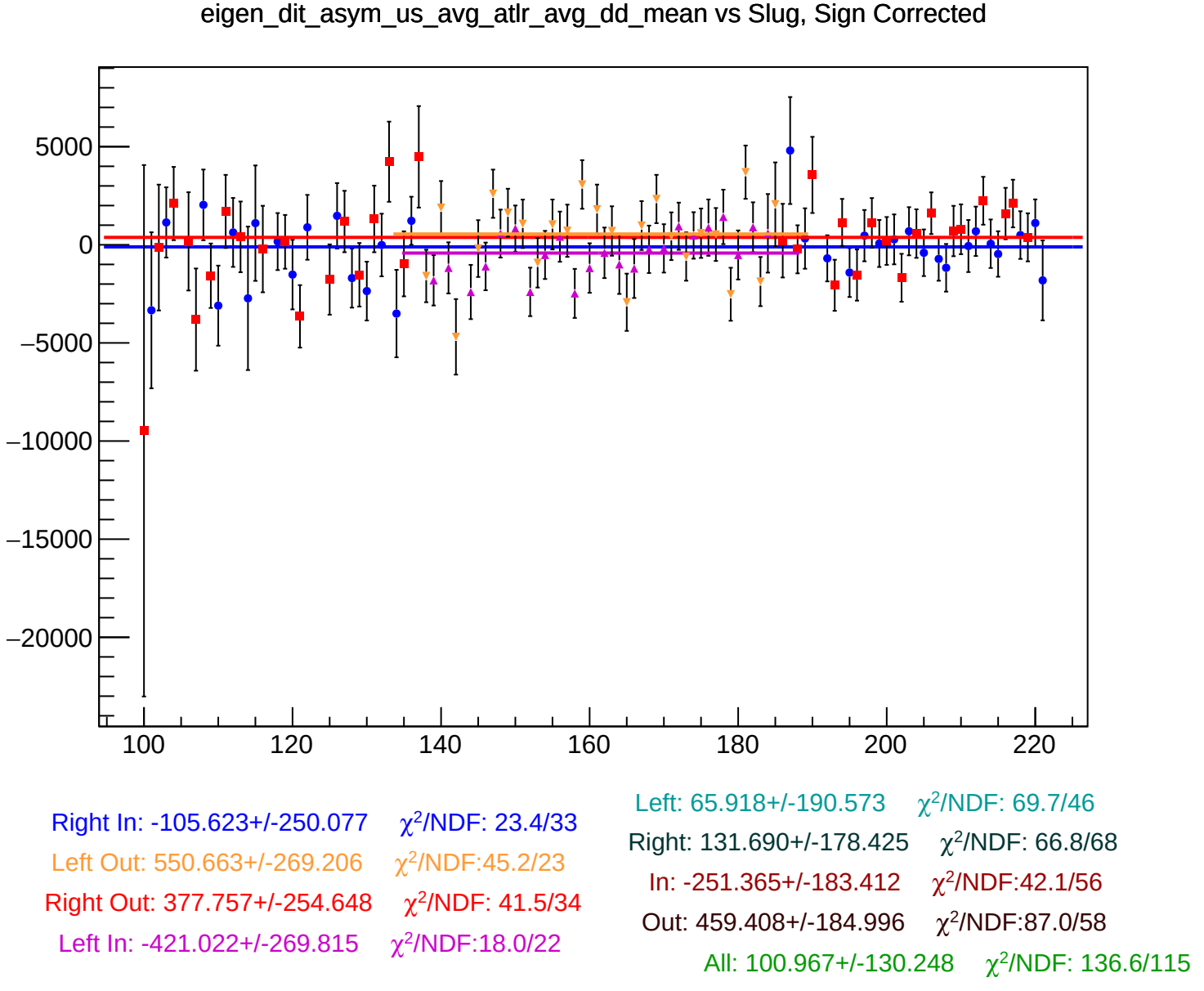
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

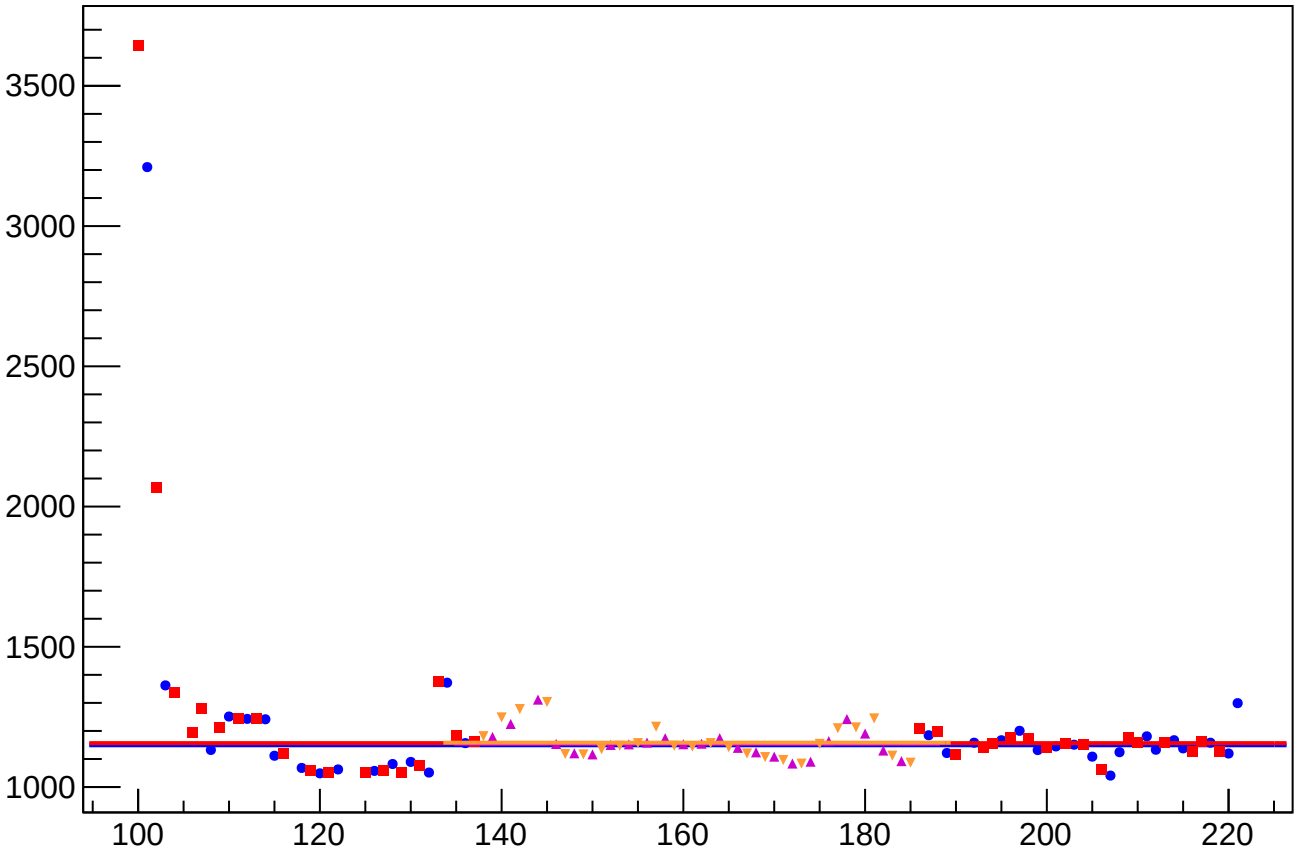
Right: 1986.532+/-0.271 χ^2/NDF: 30962450.2/68

In: 2700.030+/-0.340 χ^2/NDF:16330471.0/56

Out: 2244.547+/-0.312 χ^2/NDF:26551483.3/58

All: 2452.510+/-0.230 χ^2/NDF: 43857307.6/


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -105.623+/-250.077 χ²/NDF: 23.4/33
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: 377.757+/-254.648 χ²/NDF: 41.5/34
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: 131.690+/-178.425 χ²/NDF: 66.8/68
In: -251.365+/-183.412 χ²/NDF:42.1/56
Out: 459.408+/-184.996 χ²/NDF:87.0/58
All: 100.967+/-130.248 χ²/NDF: 136.6/115



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: 1156.575+/-0.180 χ^2/NDF: 358334.4/34

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

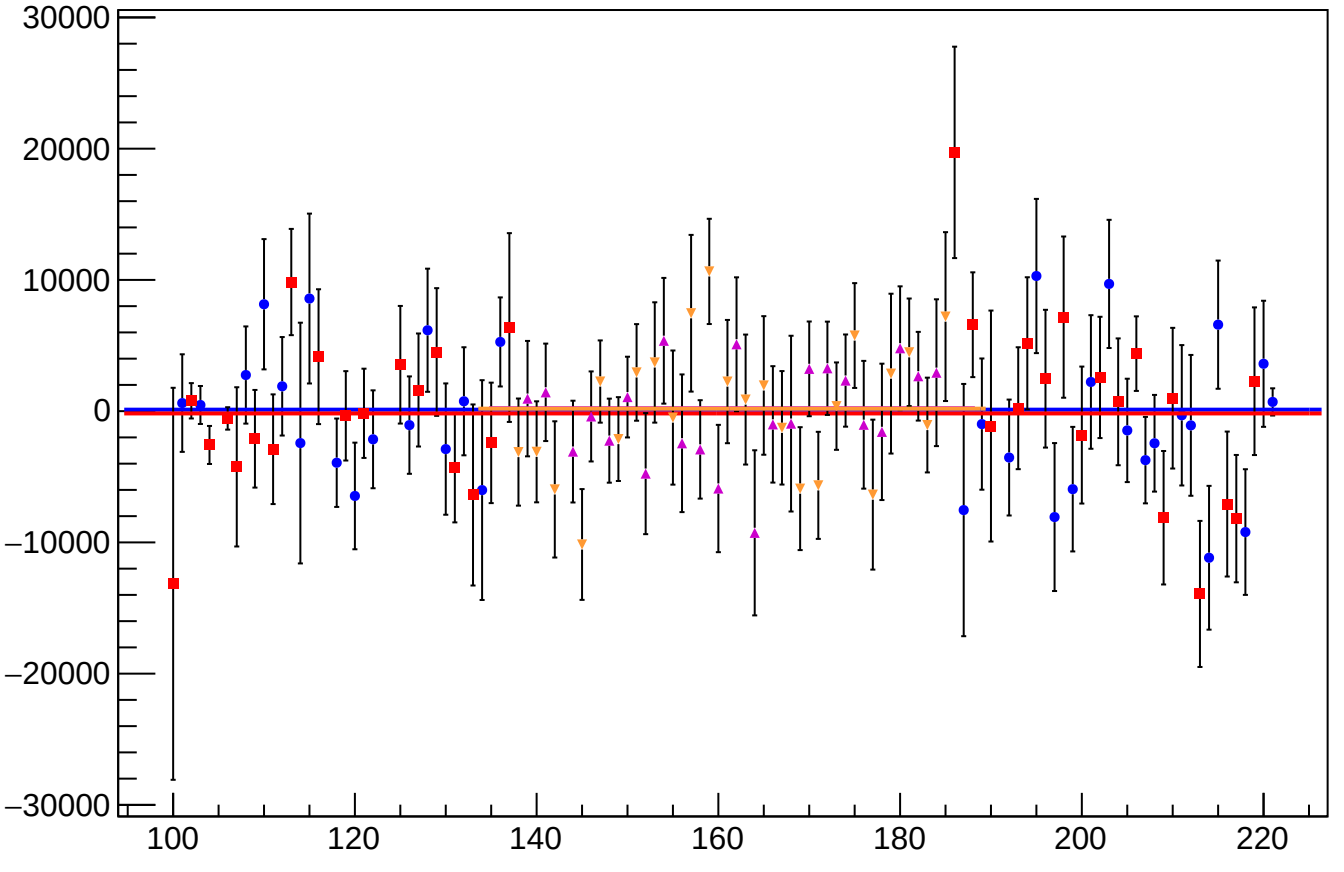
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1152.686+/-0.126 χ^2/NDF: 1038001.0/68

In: 1151.382+/-0.130 χ^2/NDF:745643.9/56

Out: 1157.332+/-0.131 χ^2/NDF:442486.1/58

All: 1154.332+/-0.092 χ^2/NDF: 1189173.4/11



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: -173.776+/-511.271 χ^2/NDF: 44.8/34

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

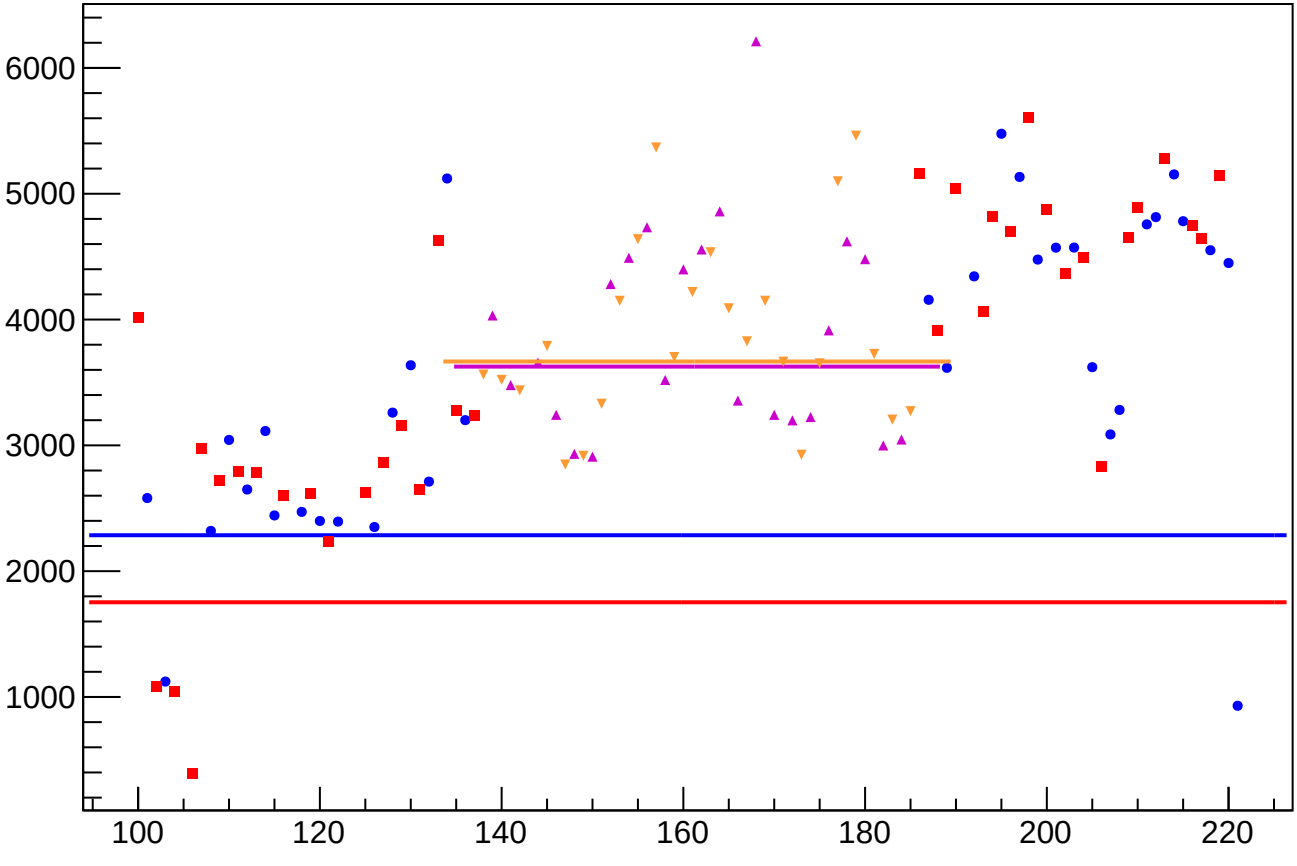
Right: -47.702+/-383.088 χ^2/NDF: 84.4/68

In: 146.975+/-480.813 χ^2/NDF:52.9/56

Out: -80.372+/-440.718 χ^2/NDF:74.2/58

All: 23.428+/-324.886 χ^2/NDF: 127.2/115

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2285.723+/-0.409 χ^2/NDF: 11753895.5/33

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1752.776+/-0.362 χ^2/NDF: 18255970.8/34

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

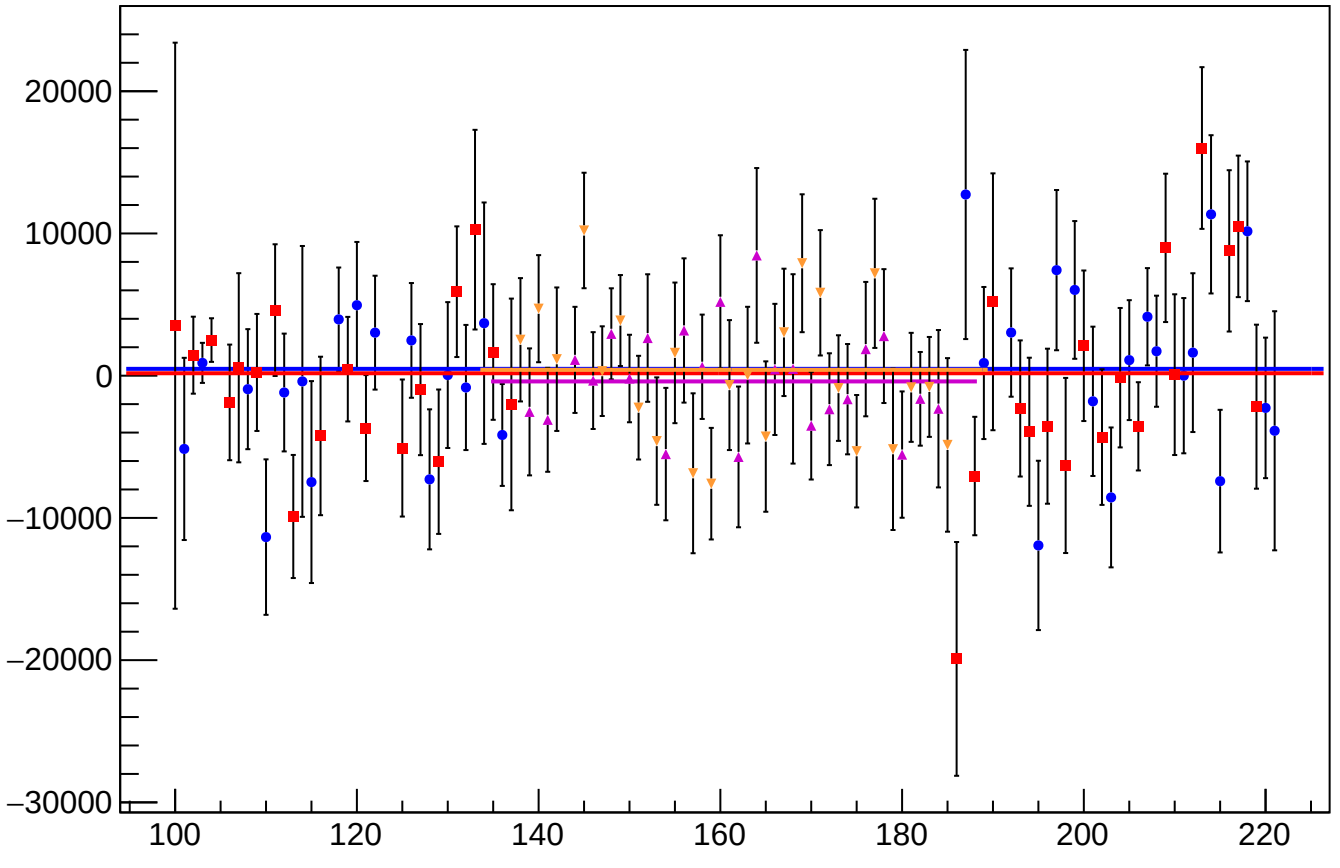
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1986.511+/-0.271 χ^2/NDF: 30962959.8/68

In: 2700.028+/-0.340 χ^2/NDF:16330550.6/56

Out: 2244.517+/-0.312 χ^2/NDF:26552138.8/58

All: 2452.492+/-0.230 χ^2/NDF: 43858166.2/1



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: 171.562+/-726.493 χ^2/NDF: 49.0/34

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

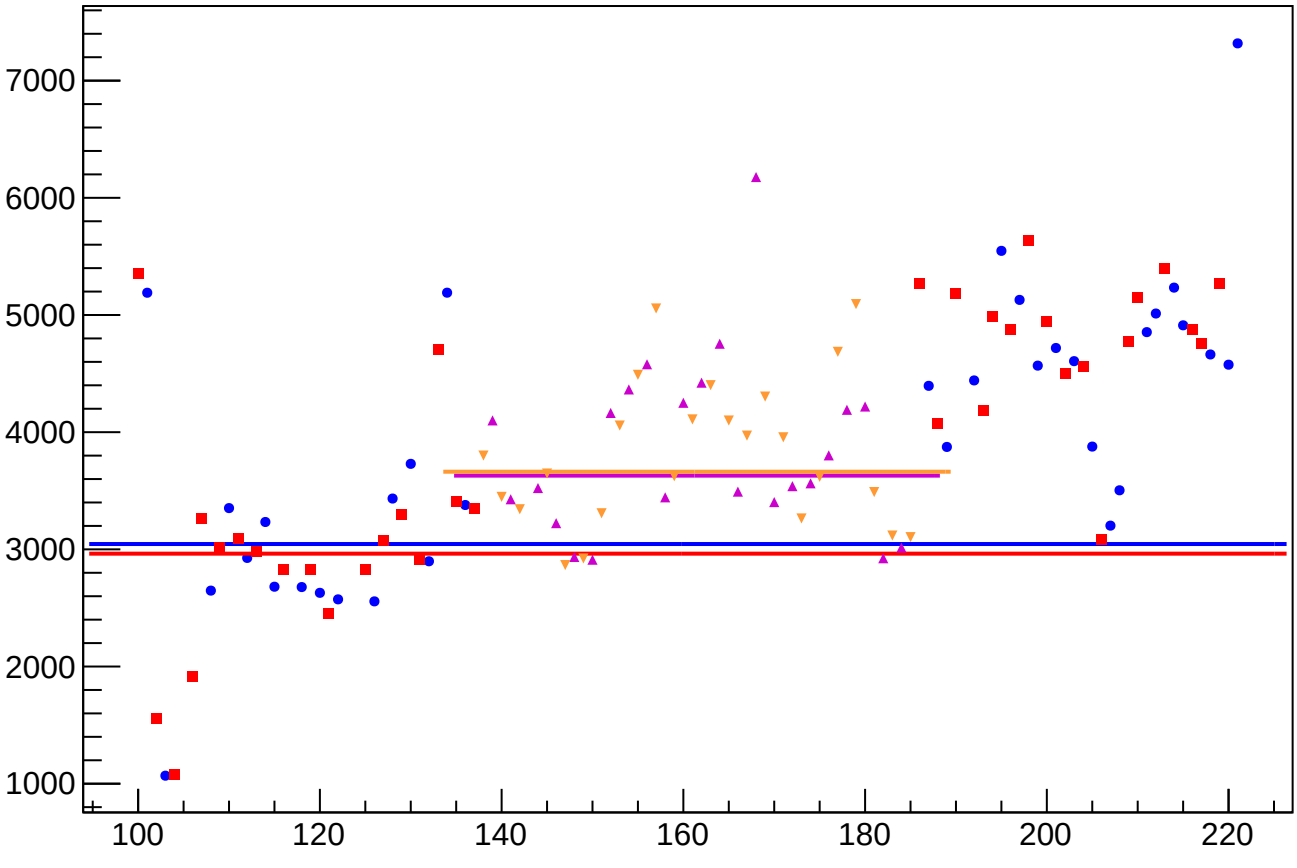
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 326.182+/-513.686 χ^2/NDF: 87.8/68

In: 113.763+/-555.601 χ^2/NDF:51.6/56

Out: 271.586+/-556.401 χ^2/NDF:76.3/58

All: 192.561+/-393.152 χ^2/NDF: 127.9/115



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: 2963.245+/-0.513 χ^2/NDF: 7824464.8/34

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

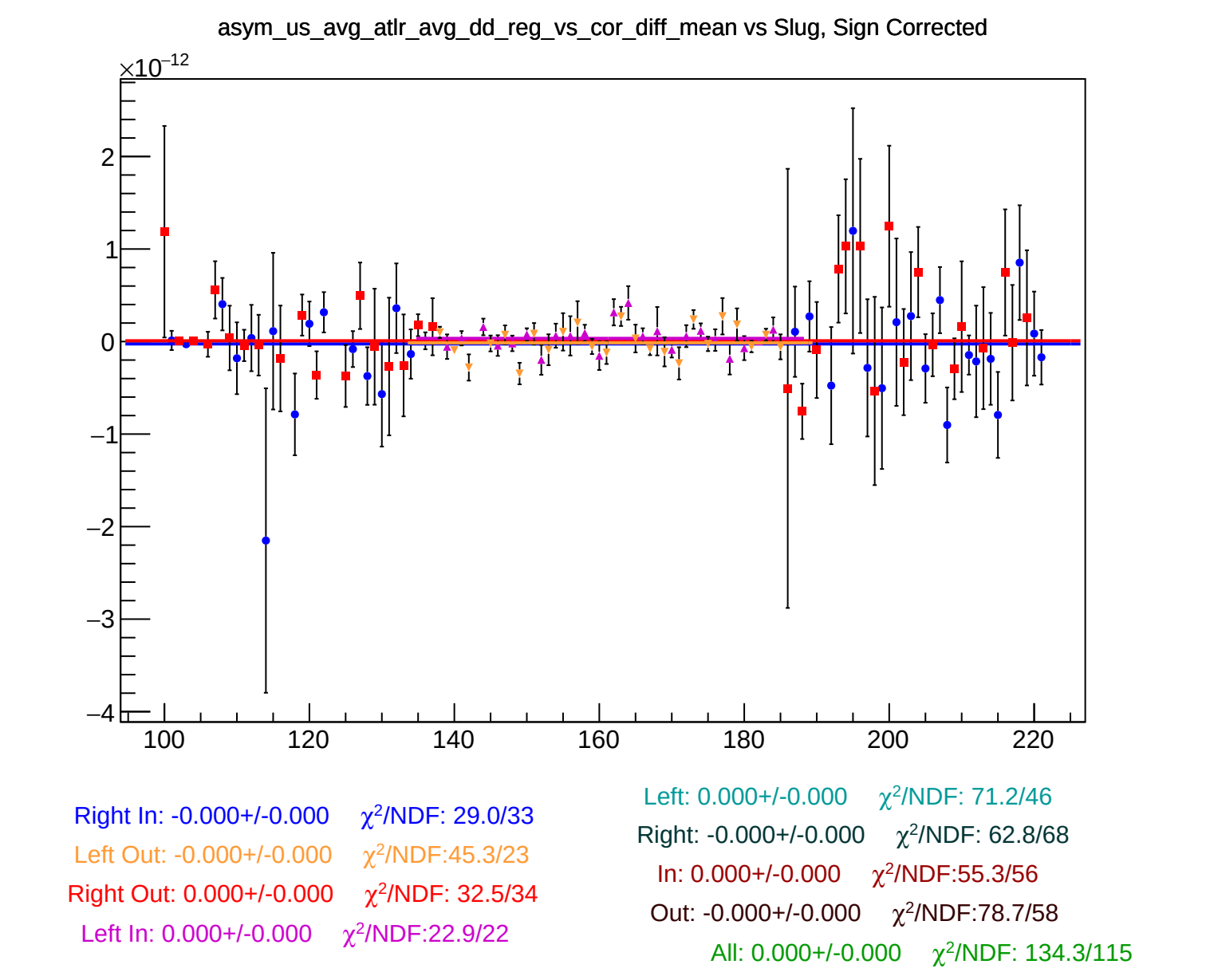
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 3004.323+/-0.363 χ^2/NDF: 15917395.9/68

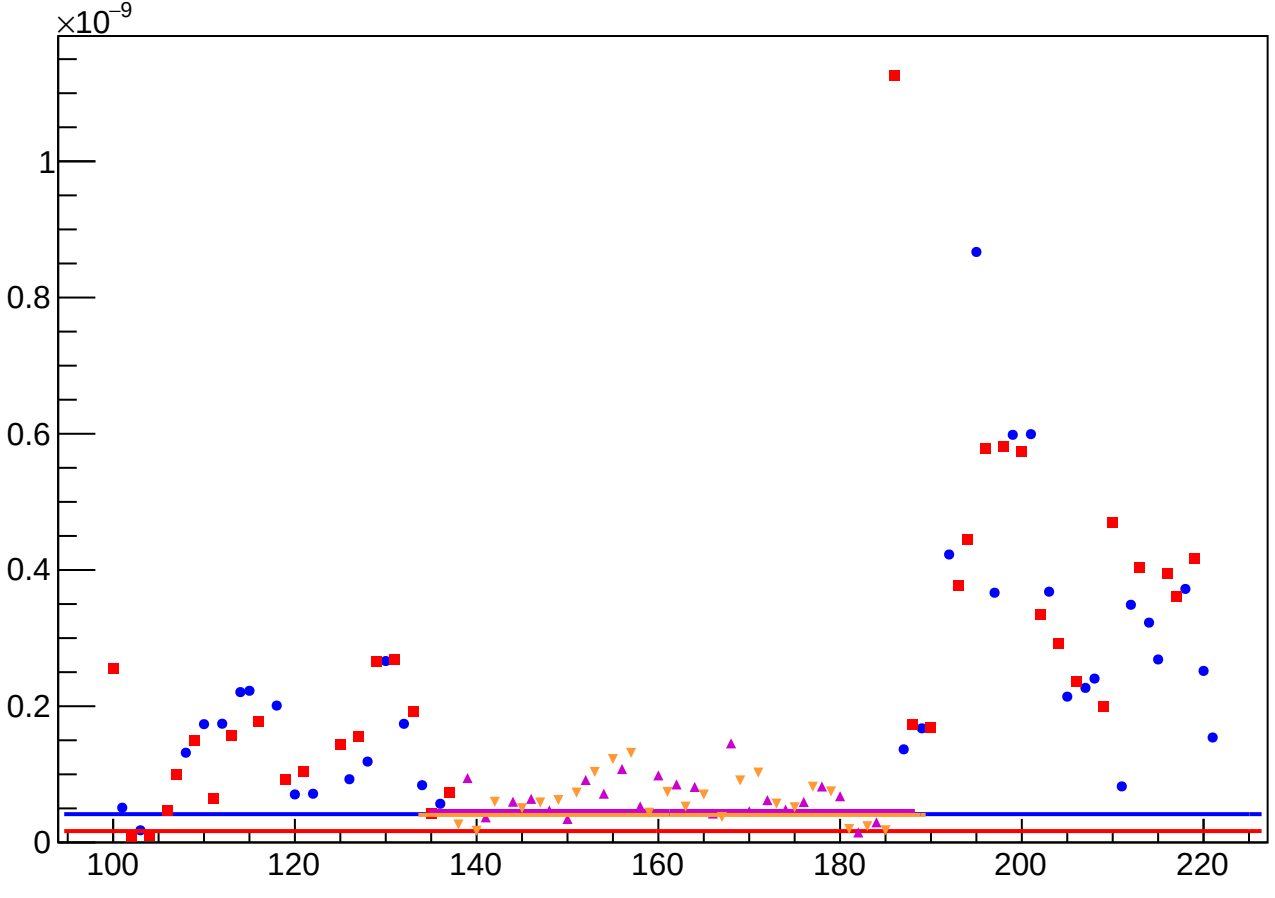
In: 3287.755+/-0.393 χ^2/NDF:9670872.9/56

Out: 3251.878+/-0.393 χ^2/NDF:9485320.3/58

All: 3269.825+/-0.278 χ^2/NDF: 19160360.8/1


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 29.0/33
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/34
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: -0.000+/-0.000 χ²/NDF: 62.8/68
In: 0.000+/-0.000 χ²/NDF:55.3/56
Out: -0.000+/-0.000 χ²/NDF:78.7/58
All: 0.000+/-0.000 χ²/NDF: 134.3/115

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: 14585456.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

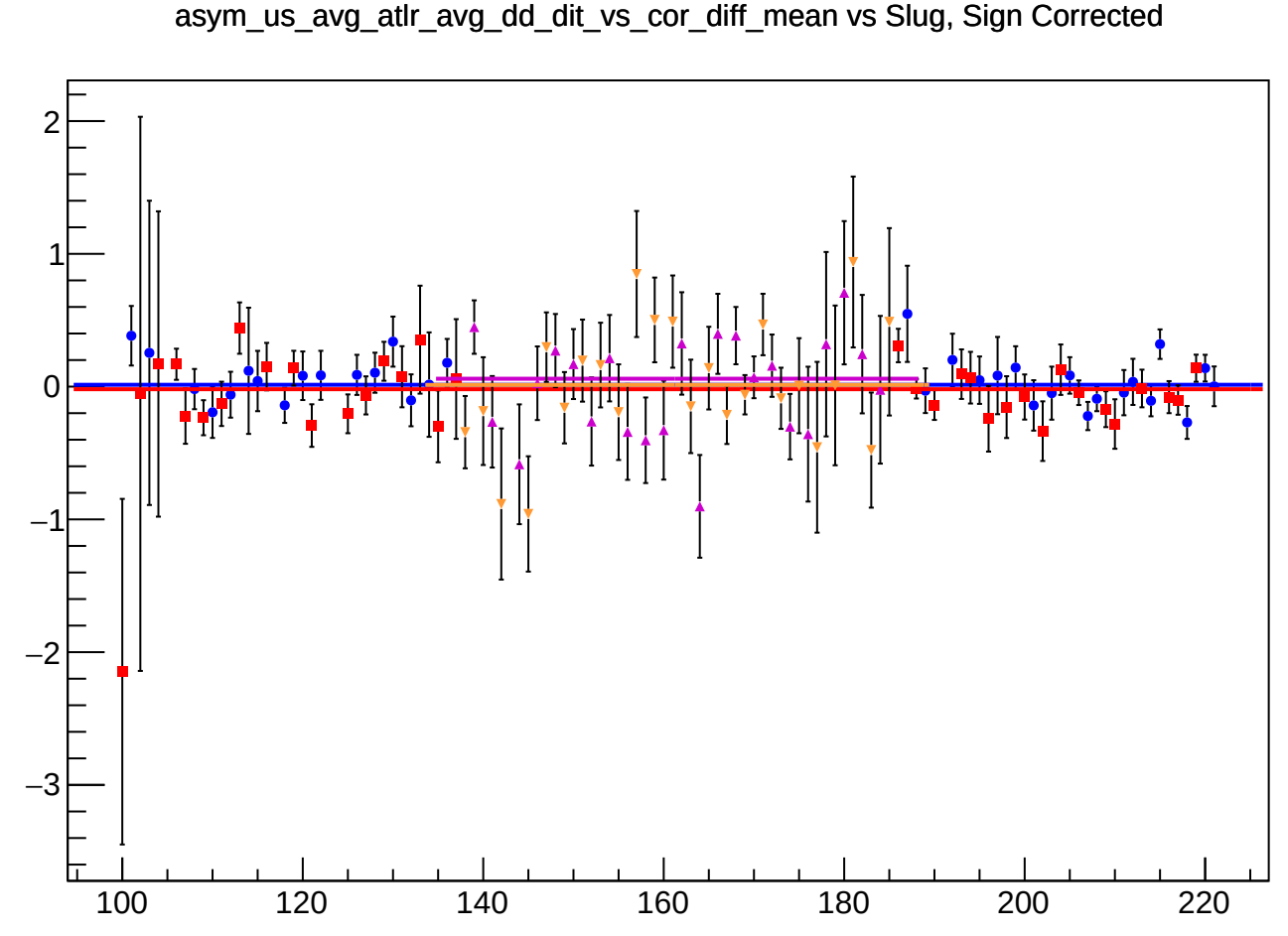
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 28074224.4/68

In: 0.000+/-0.000 χ^2/NDF:14997924.2/56

Out: 0.000+/-0.000 χ^2/NDF:20009319.4/58

All: 0.000+/-0.000 χ^2/NDF: 36807526.5/115



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: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

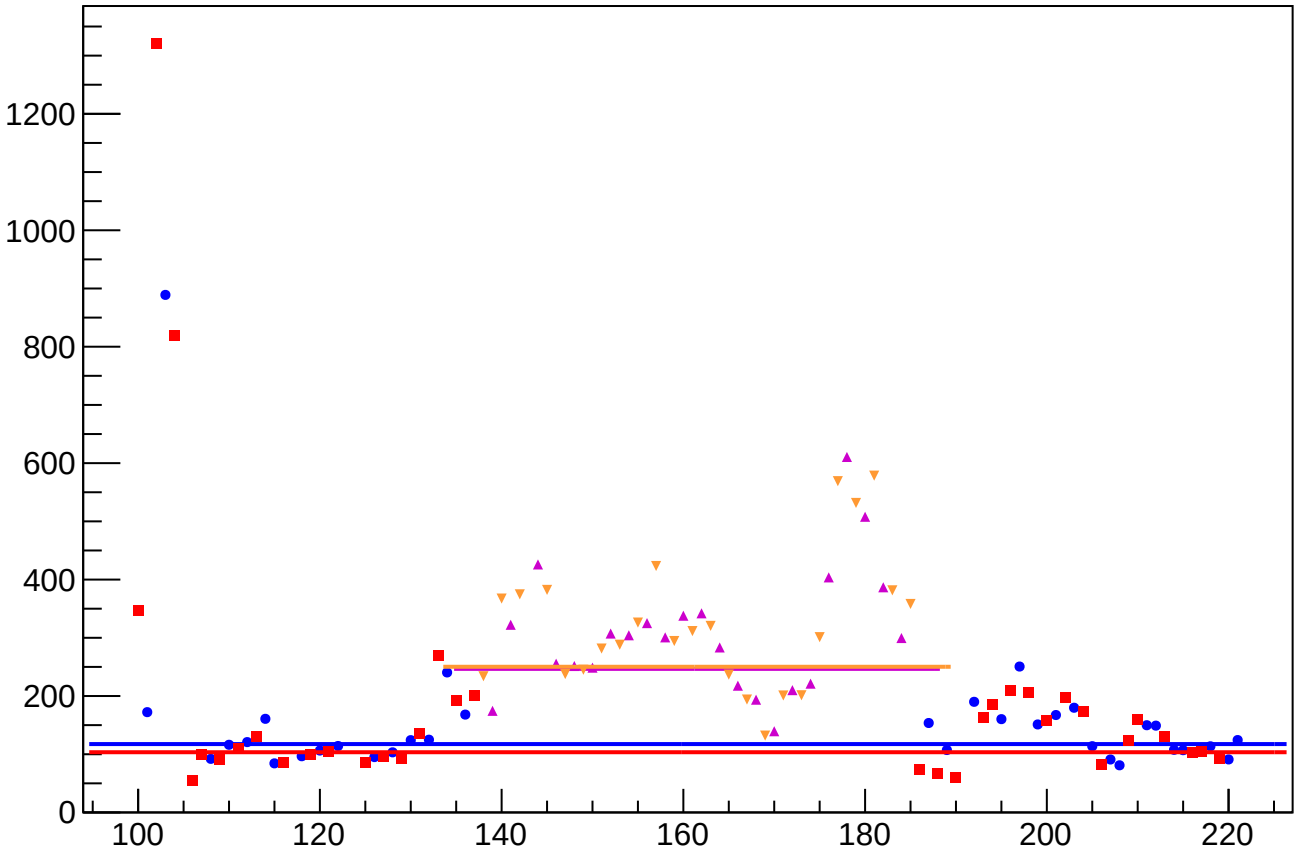
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.004+/-0.019 χ^2/NDF: 83.1/68

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: 0.002+/-0.017 χ^2/NDF: 141.3/115



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: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

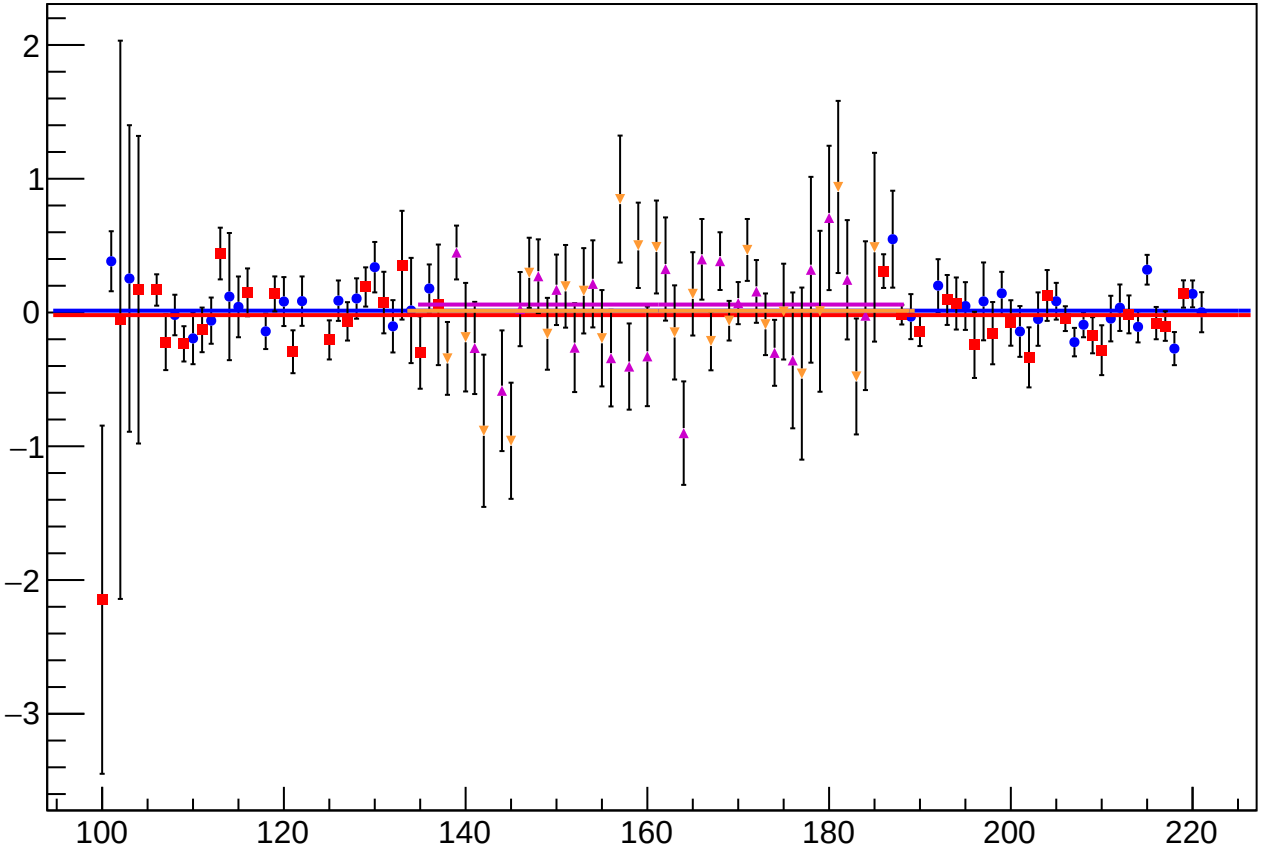
Right: 109.979+/-0.013 χ^2/NDF: 10048767.3/68

In: 138.537+/-0.018 χ^2/NDF:14653190.6/56

Out: 124.231+/-0.017 χ^2/NDF:19823871.1/58

All: 130.990+/-0.012 χ^2/NDF: 34821186.3/11

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: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

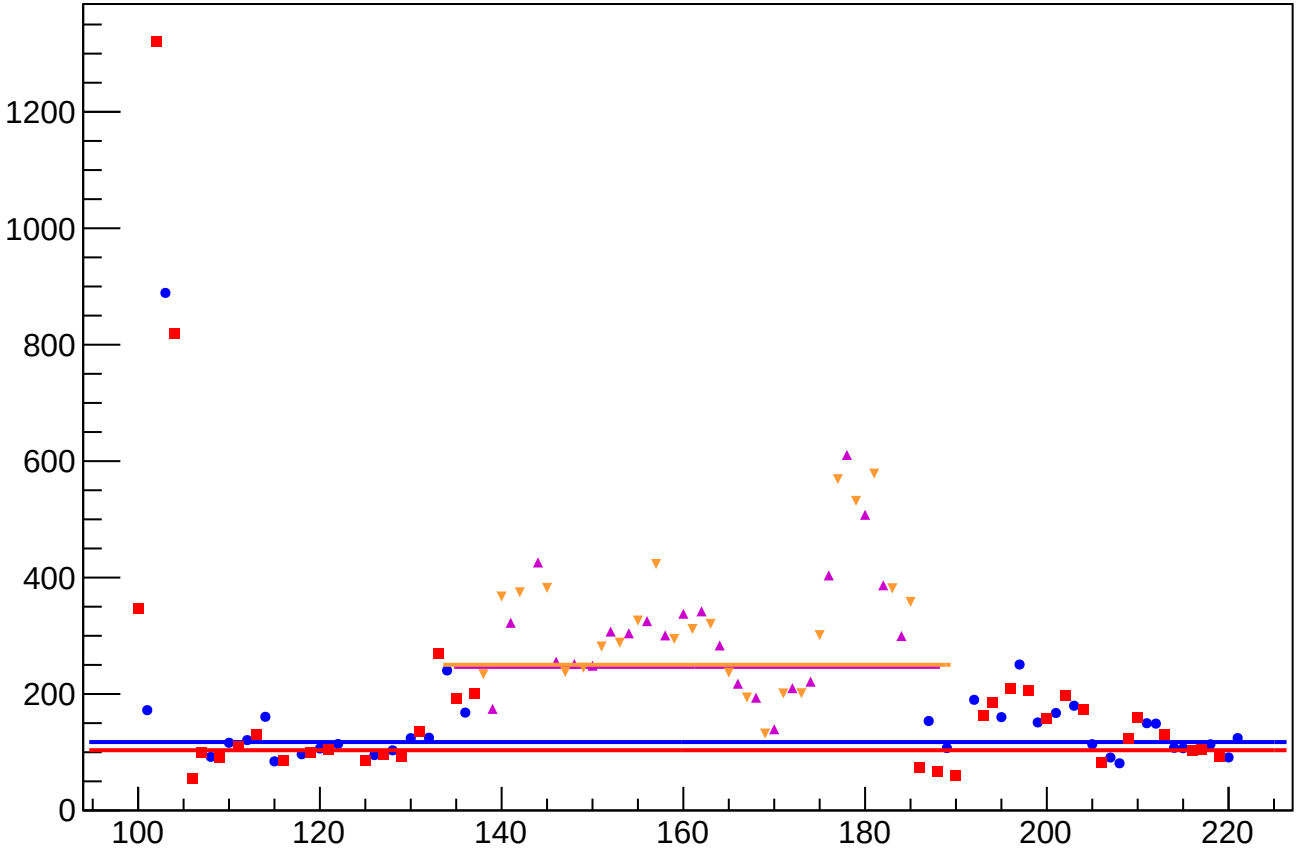
Right: -0.004+/-0.019 χ^2/NDF: 83.1/68

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: 0.002+/-0.017 χ^2/NDF: 141.3/115

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: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

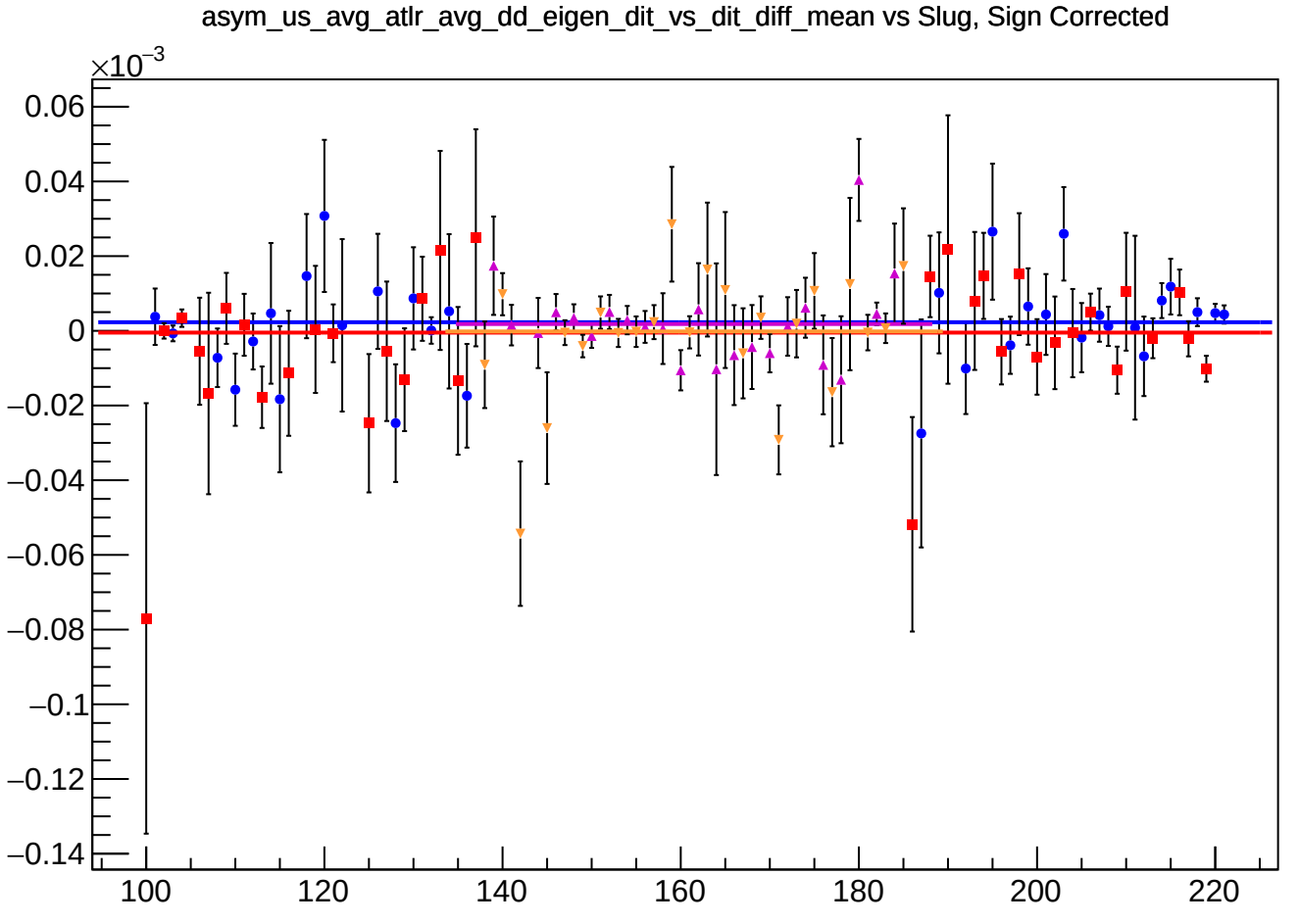
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 109.979+/-0.013 χ^2/NDF: 10048767.3/68

In: 138.537+/-0.018 χ^2/NDF:14653190.6/56

Out: 124.231+/-0.017 χ^2/NDF:19823871.1/58

All: 130.990+/-0.012 χ^2/NDF: 34821186.3/11



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: 40.0/34

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

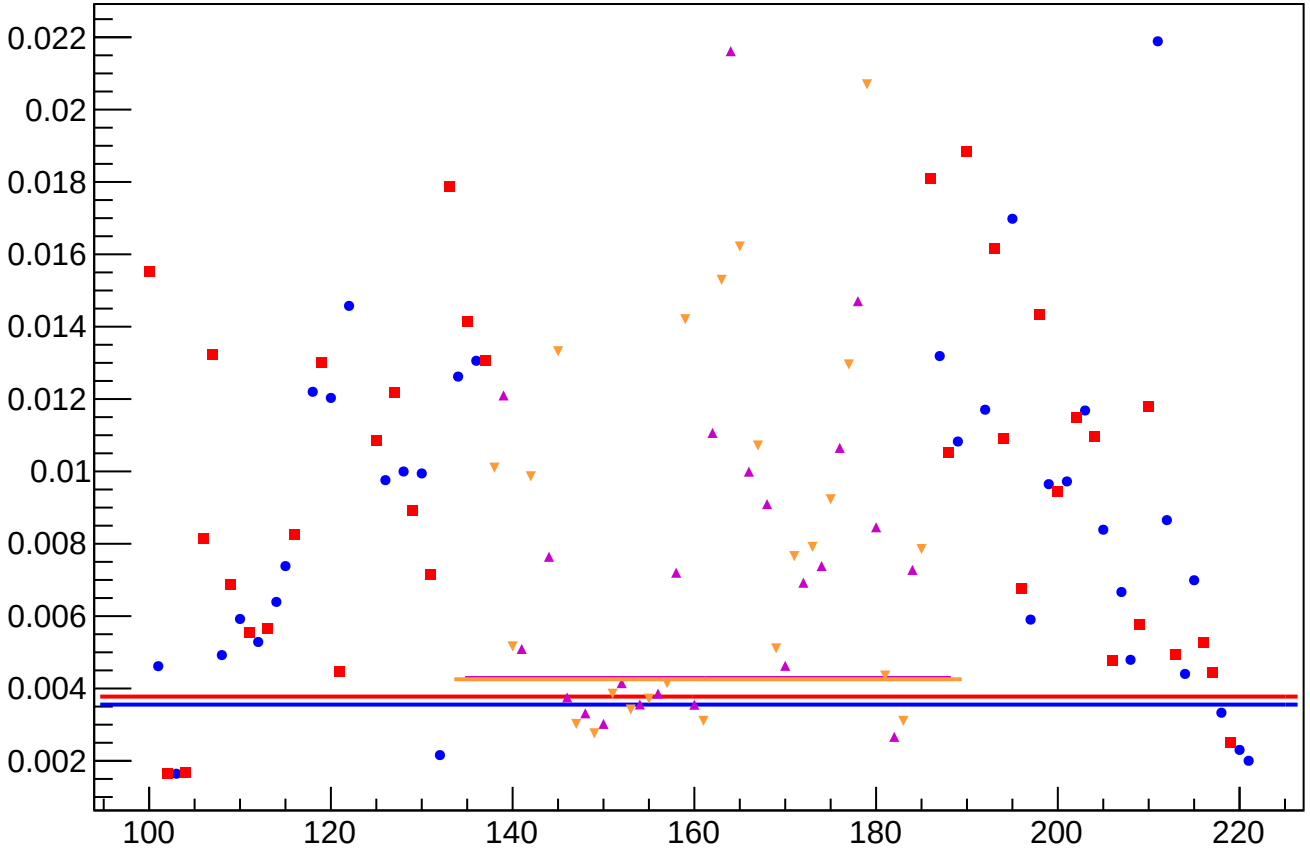
Right: 0.000+/-0.000 χ^2/NDF: 75.4/68

In: 0.000+/-0.000 χ^2/NDF:60.1/56

Out: -0.000+/-0.000 χ^2/NDF:77.2/58

All: 0.000+/-0.000 χ^2/NDF: 142.2/115

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.004+/-0.000 χ^2/NDF: 15667845.3/34

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

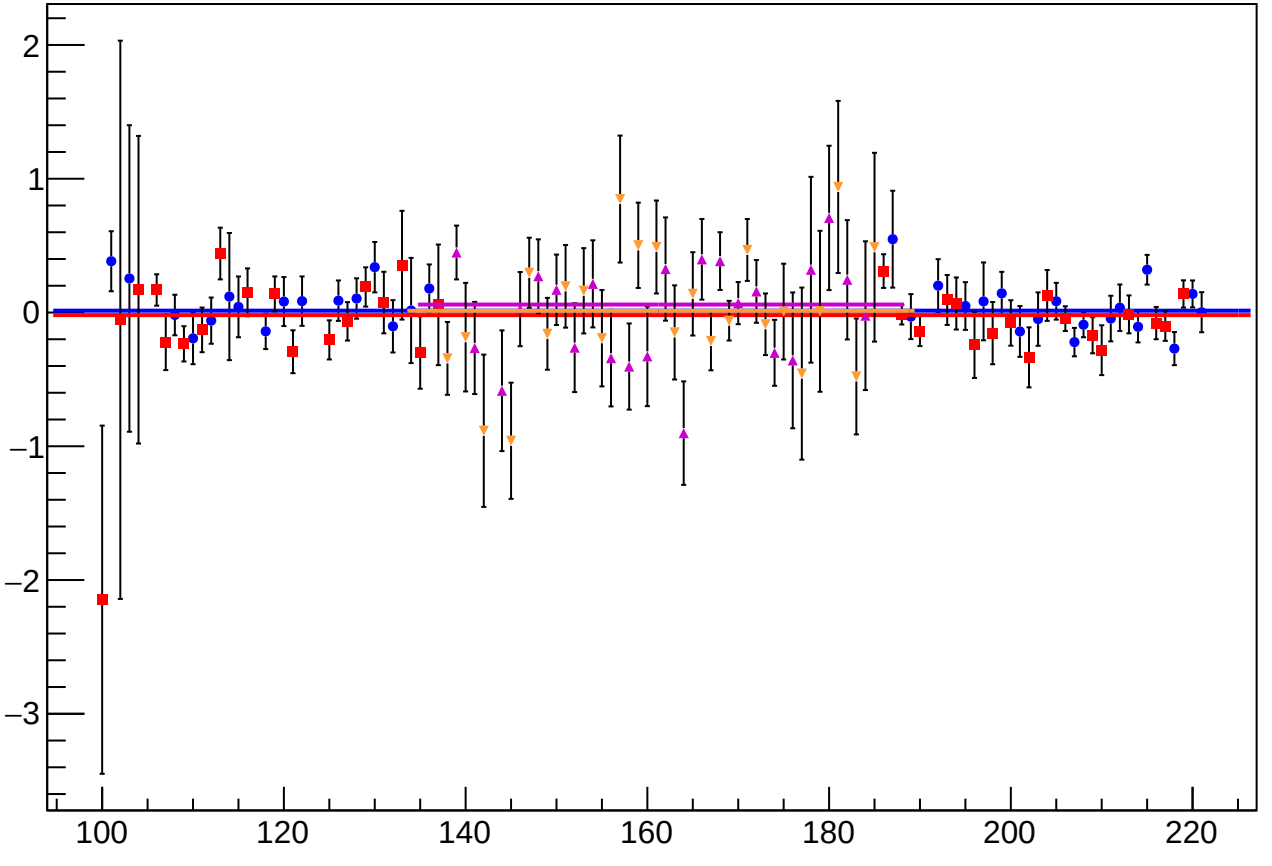
Right: 0.004+/-0.000 χ^2/NDF: 31265078.8/68

In: 0.004+/-0.000 χ^2/NDF:22598888.4/56

Out: 0.004+/-0.000 χ^2/NDF:24338525.9/58

All: 0.004+/-0.000 χ^2/NDF: 46969472.8/115

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: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

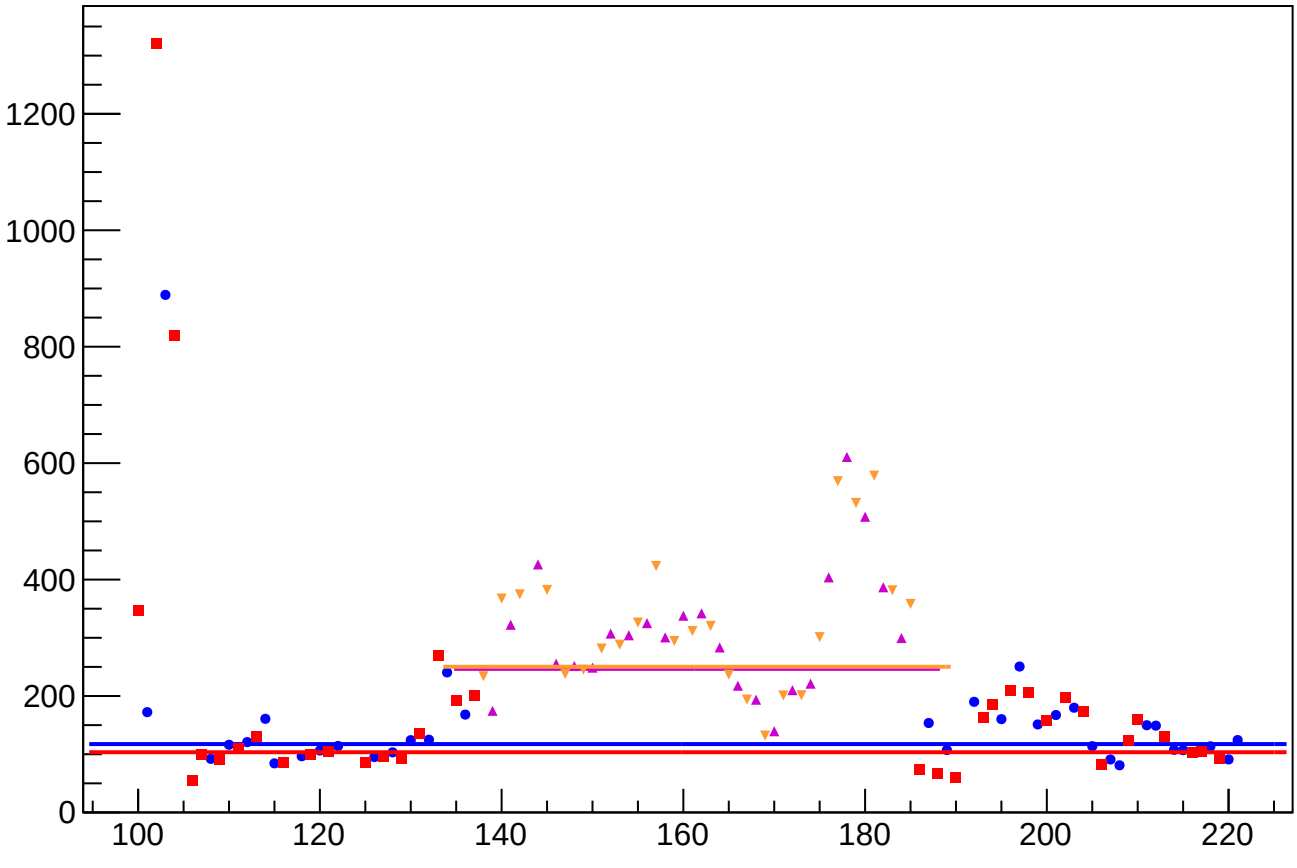
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.004+/-0.019 χ^2/NDF: 83.1/68

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: 0.002+/-0.017 χ^2/NDF: 141.3/115



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: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

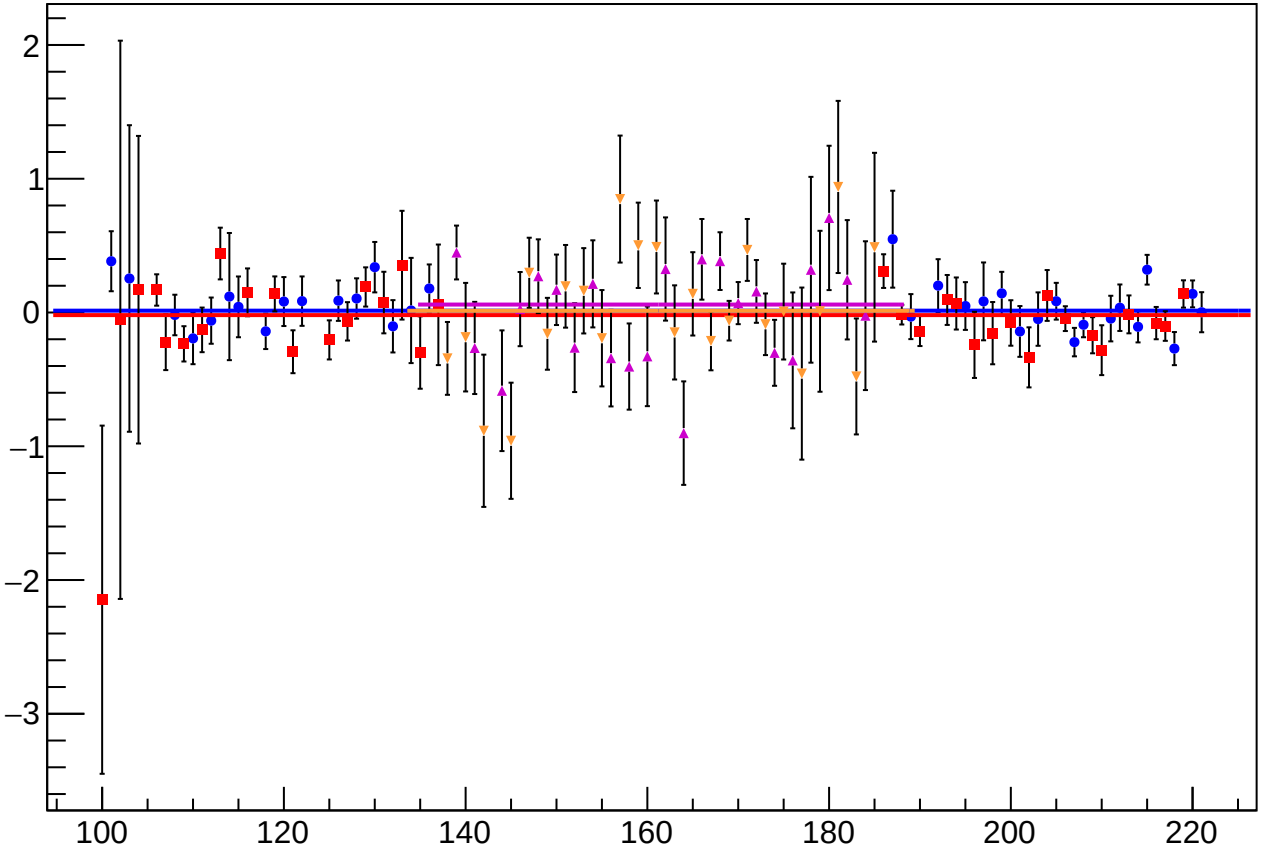
Right: 109.976+/-0.013 χ^2/NDF: 10049523.6/68

In: 138.536+/-0.018 χ^2/NDF:14653577.7/56

Out: 124.227+/-0.017 χ^2/NDF:19825085.4/58

All: 130.987+/-0.012 χ^2/NDF: 34822926.6/11

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: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

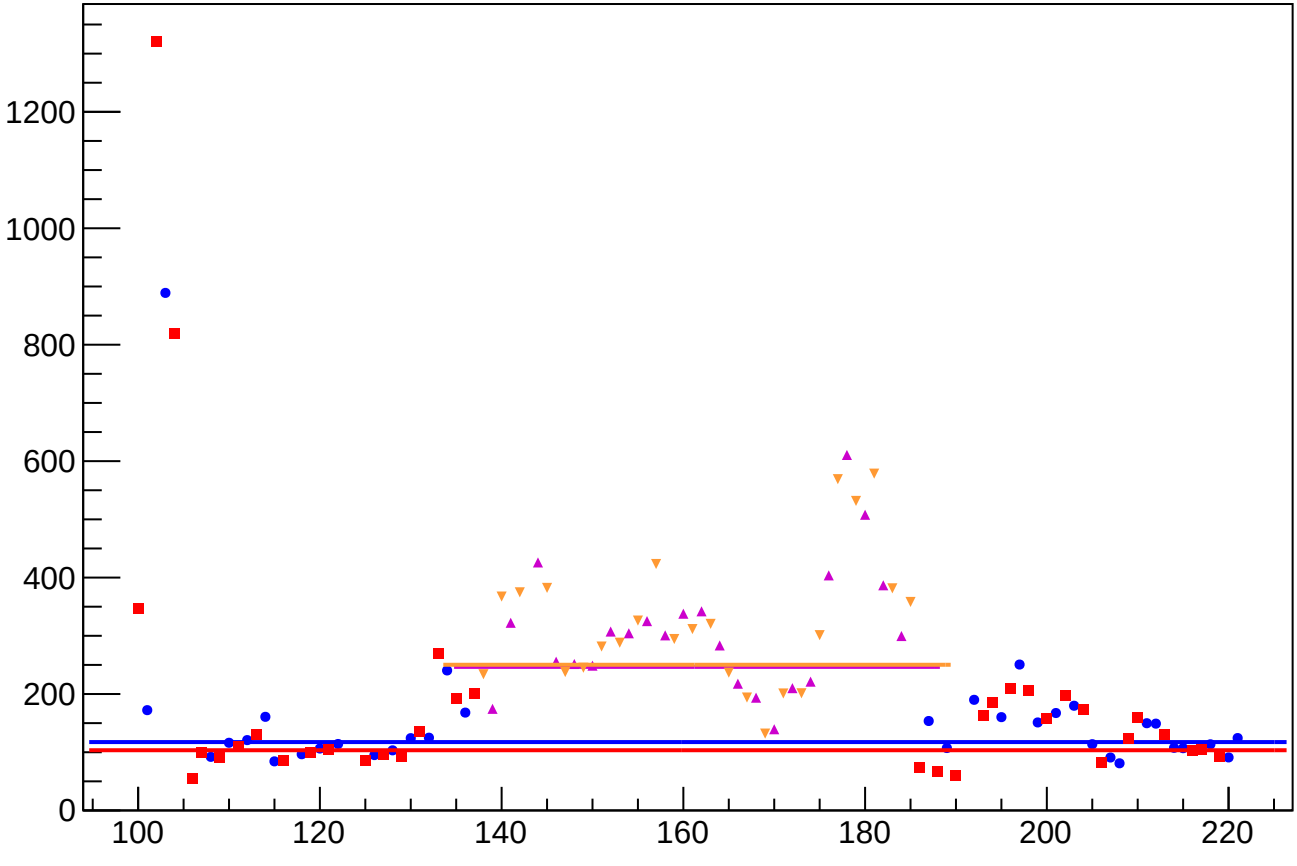
Right: -0.004+/-0.019 χ^2/NDF: 83.1/68

In: 0.021+/-0.025 χ^2/NDF:65.7/56

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: 0.002+/-0.017 χ^2/NDF: 141.3/115

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: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

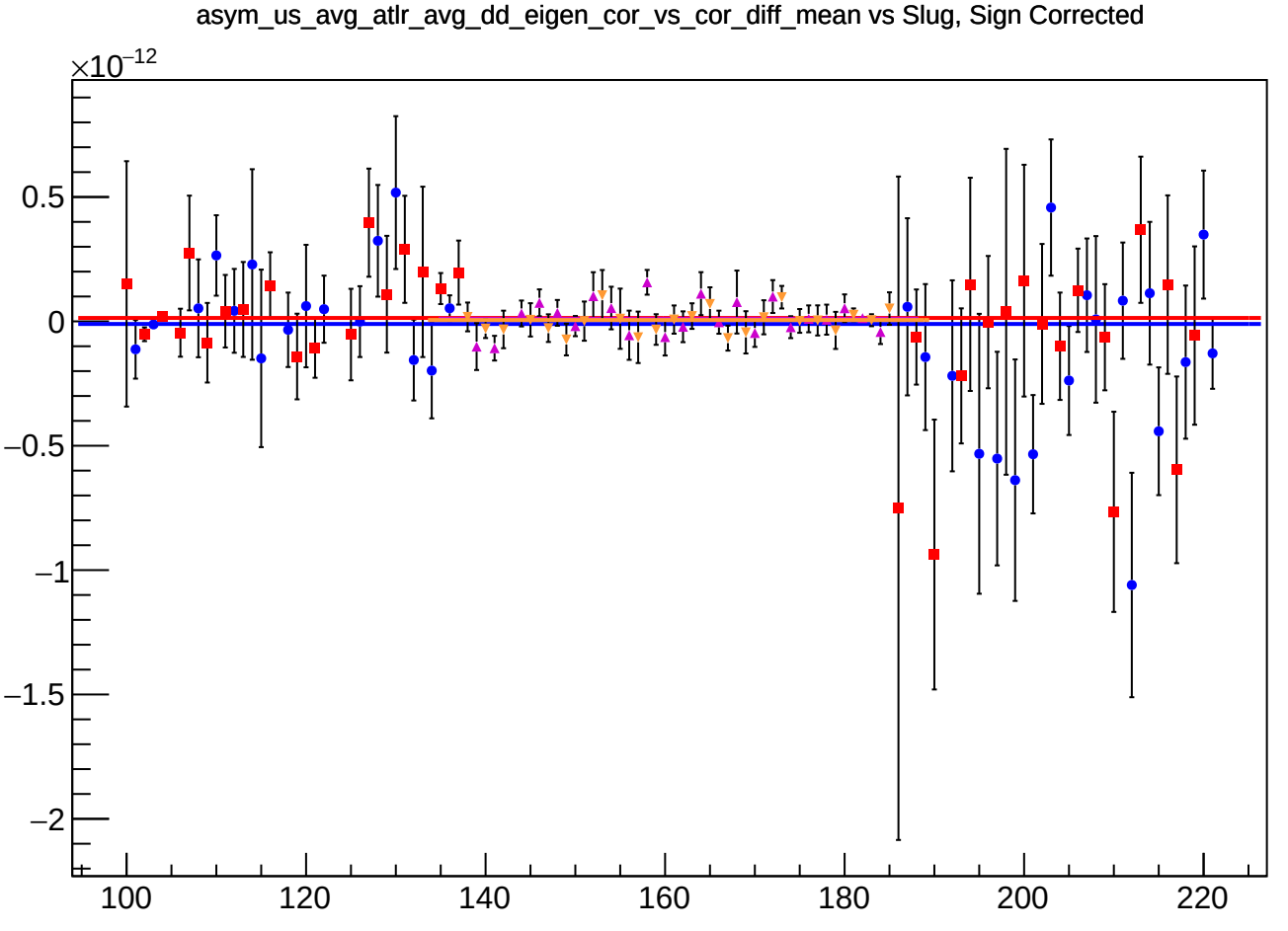
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 109.976+/-0.013 χ^2/NDF: 10049523.6/68

In: 138.536+/-0.018 χ^2/NDF:14653577.7/56

Out: 124.227+/-0.017 χ^2/NDF:19825085.4/58

All: 130.987+/-0.012 χ^2/NDF: 34822926.6/1



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: 35.3/34

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

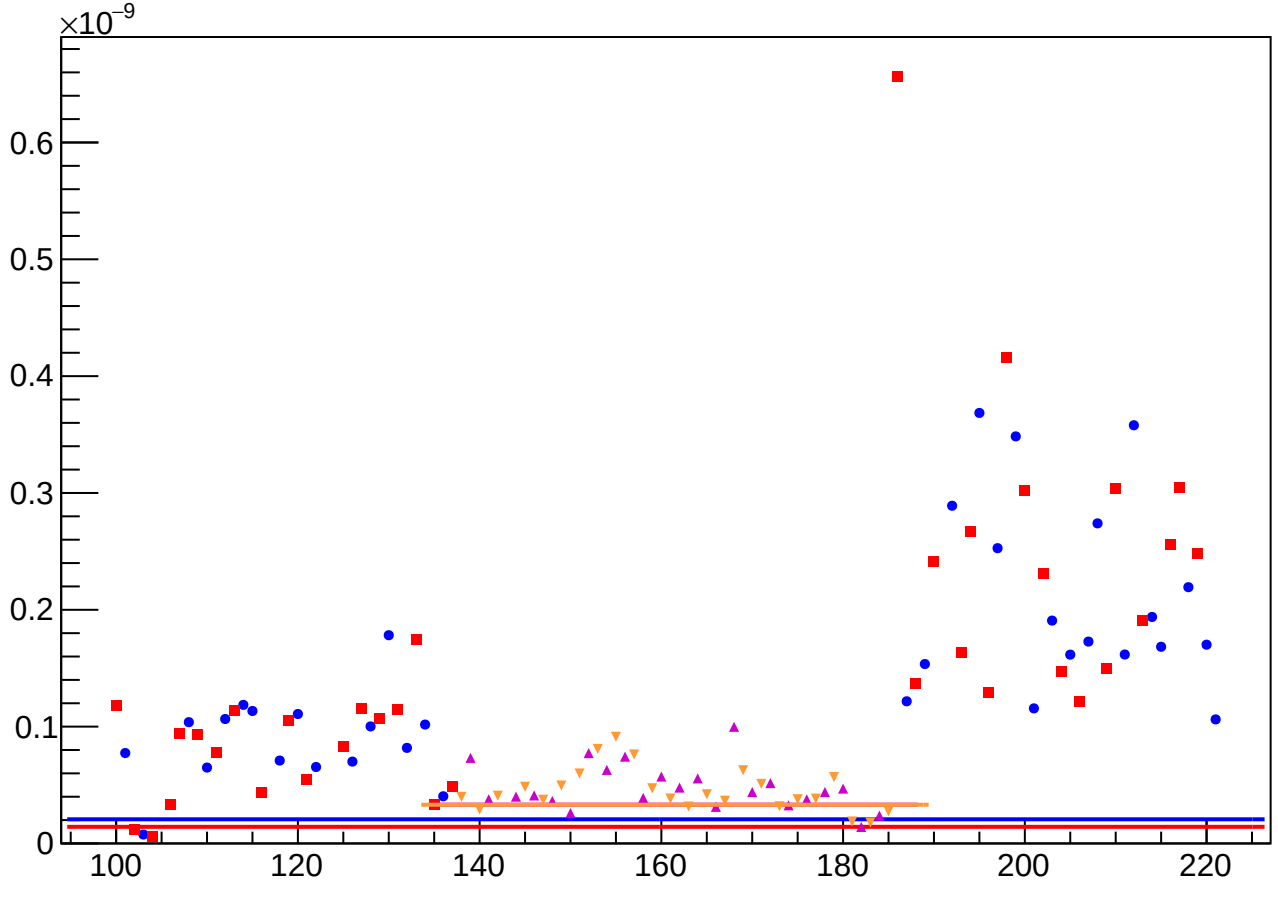
Right: 0.000+/-0.000 χ^2/NDF: 76.0/68

In: 0.000+/-0.000 χ^2/NDF:67.9/56

Out: 0.000+/-0.000 χ^2/NDF:49.5/58

All: 0.000+/-0.000 χ^2/NDF: 118.0/115

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19543813.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18913380.6/34

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

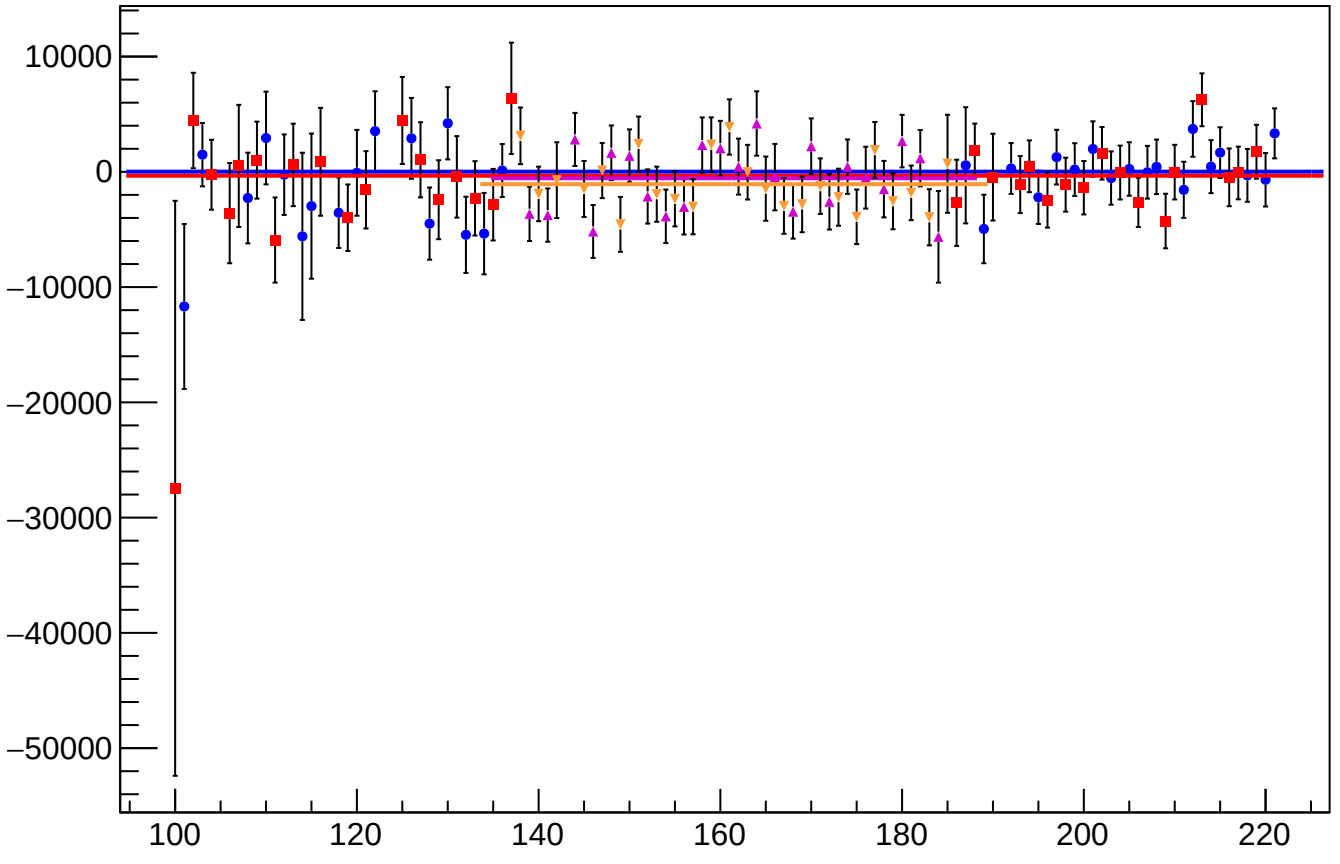
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 38795210.2/68

In: 0.000+/-0.000 χ^2/NDF:25772978.6/56

Out: 0.000+/-0.000 χ^2/NDF:26428300.4/58

All: 0.000+/-0.000 χ^2/NDF: 52613299.7/115



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: -336.877+/-486.211 χ^2/NDF: 28.9/34

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

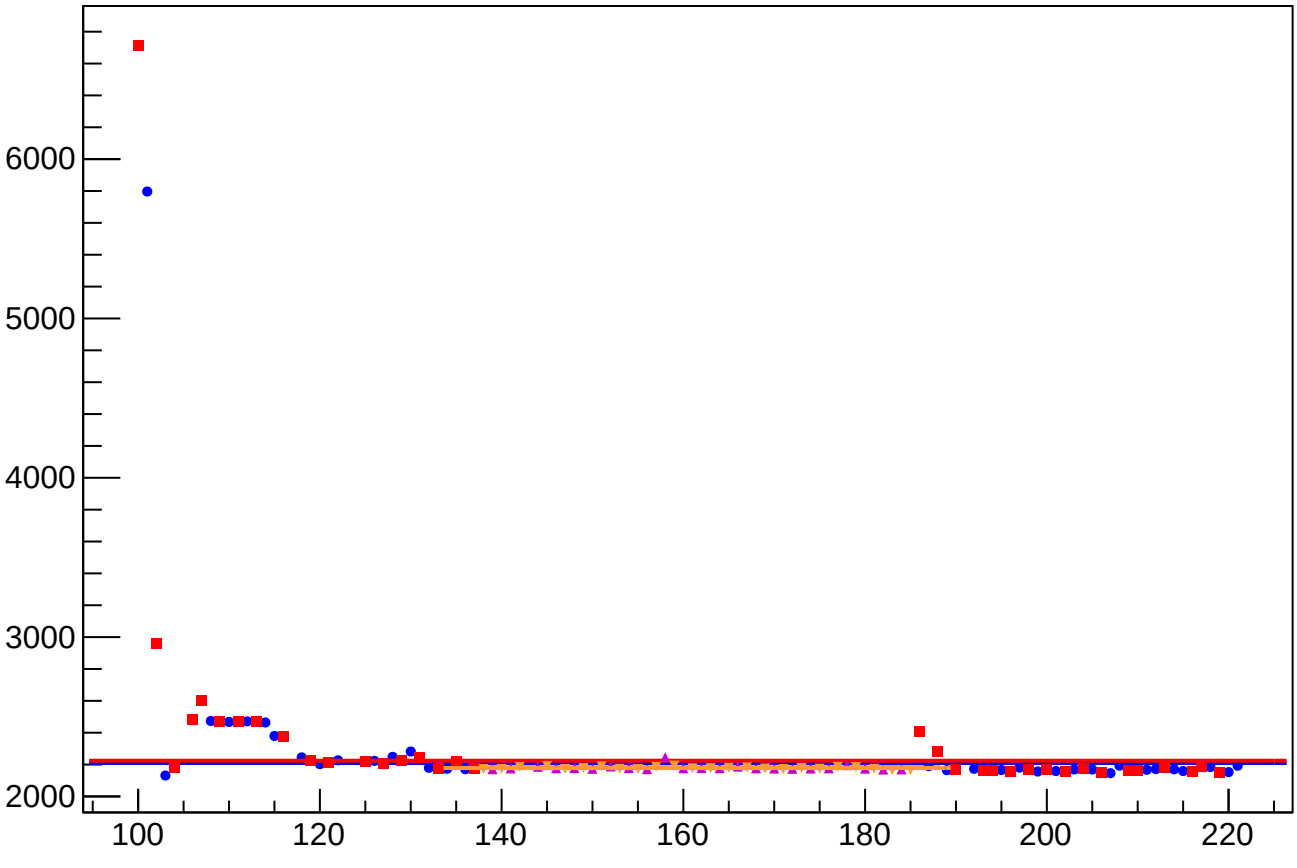
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -156.056+/-339.055 χ^2/NDF: 56.5/68

In: -249.939+/-346.576 χ^2/NDF:56.7/56

Out: -690.535+/-350.435 χ^2/NDF:51.5/58

All: -467.798+/-246.419 χ^2/NDF: 109.0/115



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: 2224.160+/-0.344 χ^2/NDF: 202422.7/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

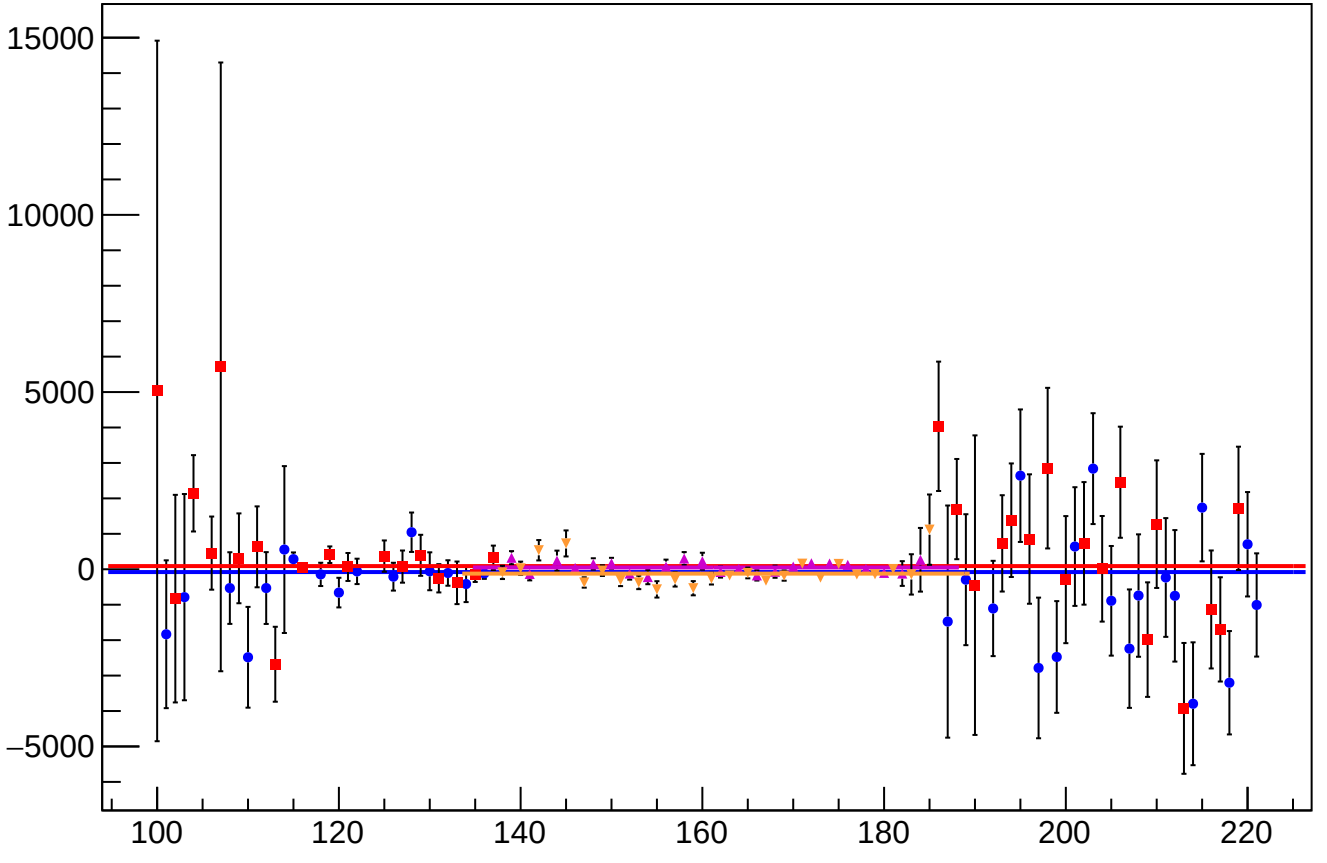
Right: 2216.852+/-0.240 χ^2/NDF: 753306.1/68

In: 2196.492+/-0.245 χ^2/NDF:555355.2/56

Out: 2202.097+/-0.248 χ^2/NDF:211382.7/58

All: 2199.263+/-0.174 χ^2/NDF: 766996.5/115

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: 89.565+/-80.776 χ^2/NDF: 38.4/34

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

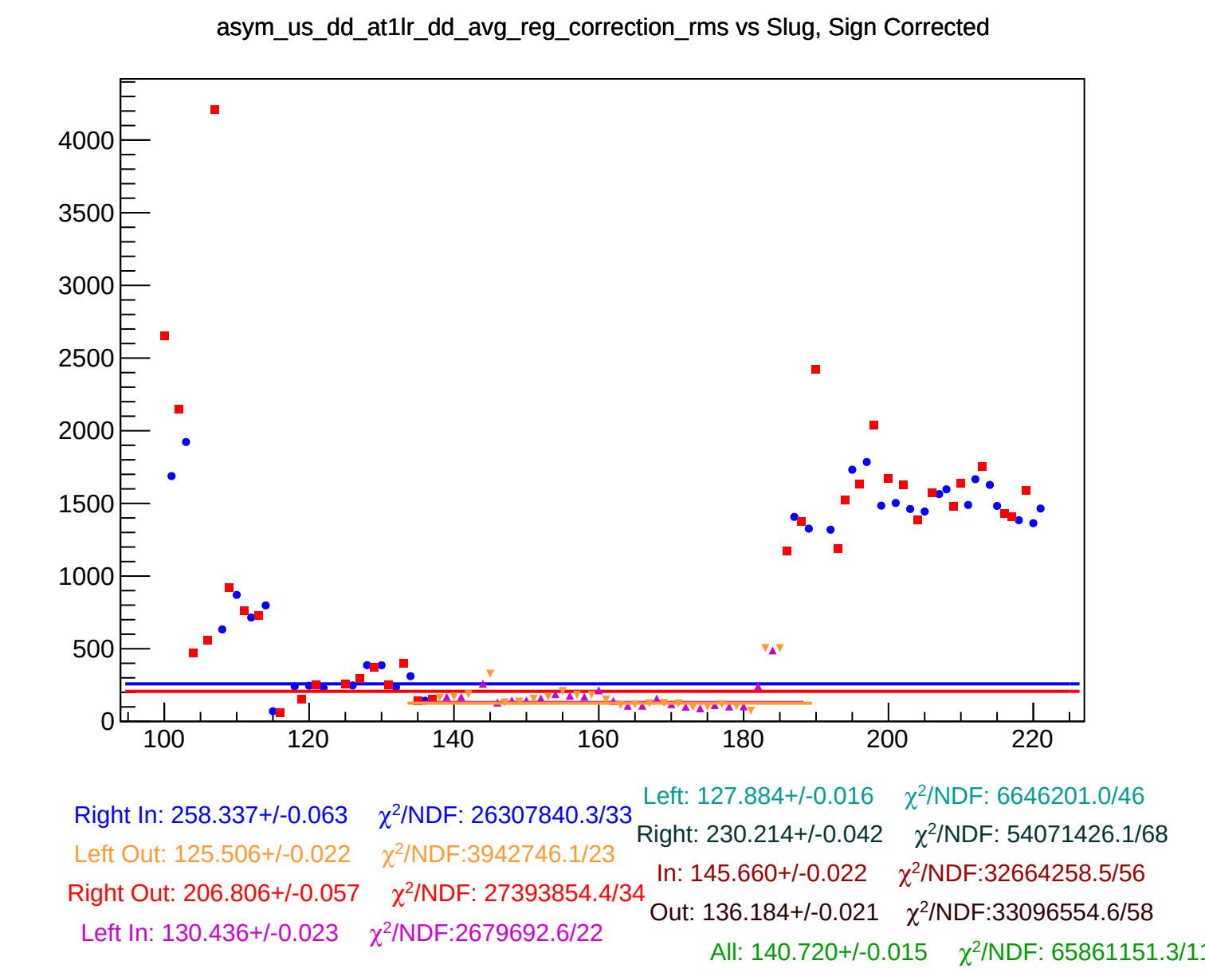
Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

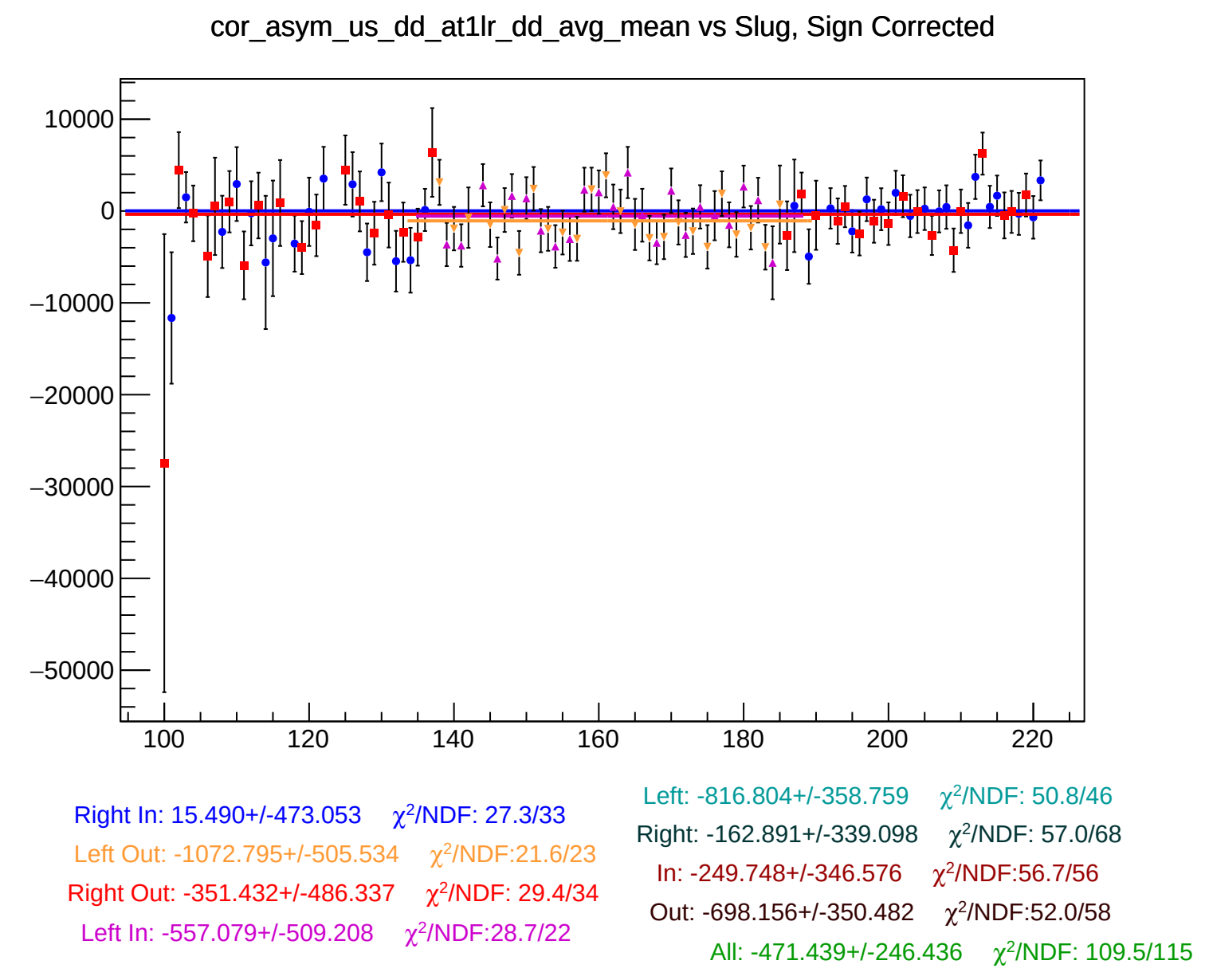
Right: 12.993+/-59.674 χ^2/NDF: 79.1/68

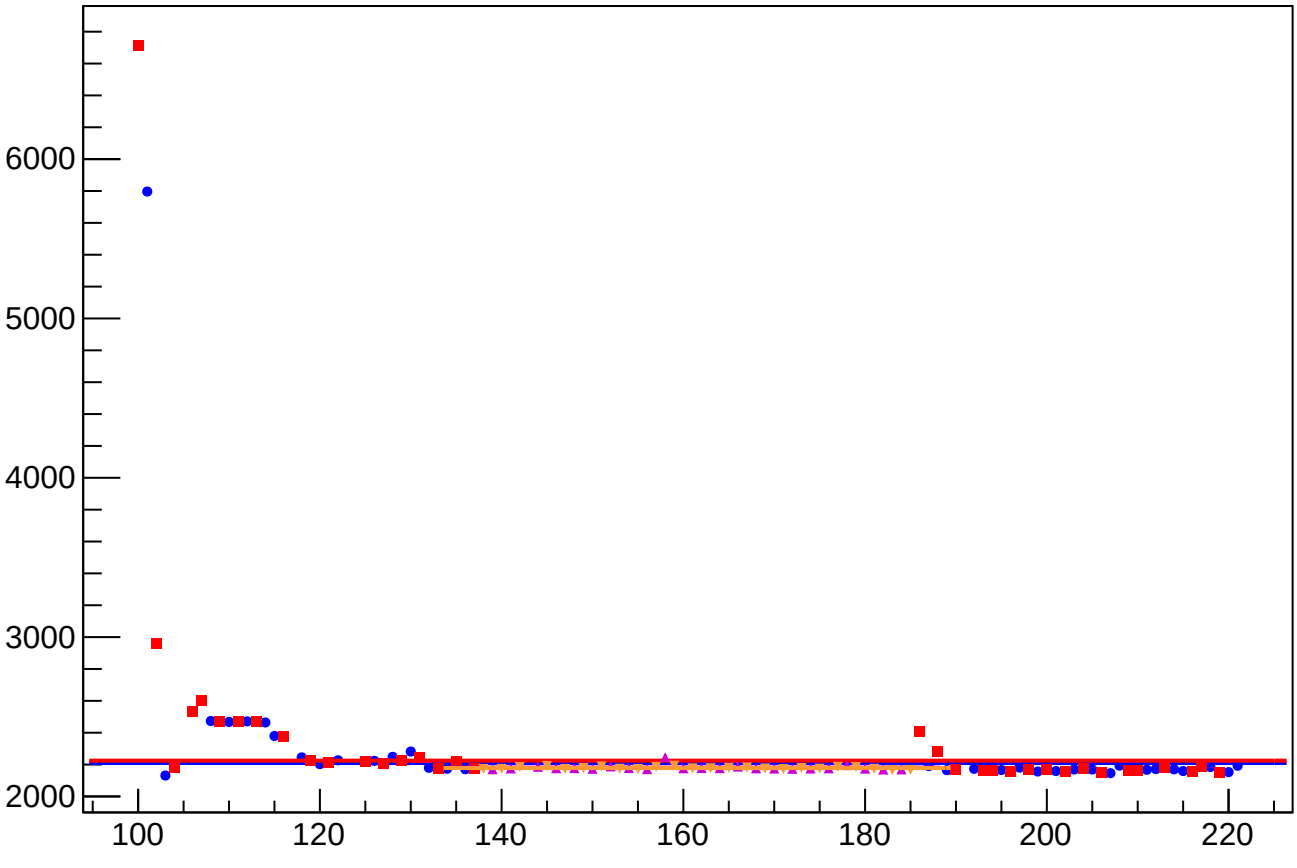
In: 34.924+/-30.547 χ^2/NDF:58.9/56

Out: -95.090+/-29.273 χ^2/NDF:88.2/58

All: -32.850+/-21.135 χ^2/NDF: 156.5/115


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 258.337+/-0.063 χ²/NDF: 26307840.3/33
Left Out: 125.506+/-0.022 χ²/NDF:3942746.1/23
Right Out: 206.806+/-0.057 χ²/NDF: 27393854.4/34
Left In: 130.436+/-0.023 χ²/NDF:2679692.6/22
Left: 127.884+/-0.016 χ²/NDF: 6646201.0/46
Right: 230.214+/-0.042 χ²/NDF: 54071426.1/68
In: 145.660+/-0.022 χ²/NDF:32664258.5/56
Out: 136.184+/-0.021 χ²/NDF:33096554.6/58
All: 140.720+/-0.015 χ²/NDF: 65861151.3/11


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: -351.432+/-486.337 χ²/NDF: 29.4/34
Left In: -557.079+/-509.208 χ²/NDF:28.7/22
Left: -816.804+/-358.759 χ²/NDF: 50.8/46
Right: -162.891+/-339.098 χ²/NDF: 57.0/68
In: -249.748+/-346.576 χ²/NDF:56.7/56
Out: -698.156+/-350.482 χ²/NDF:52.0/58
All: -471.439+/-246.436 χ²/NDF: 109.5/115



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: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

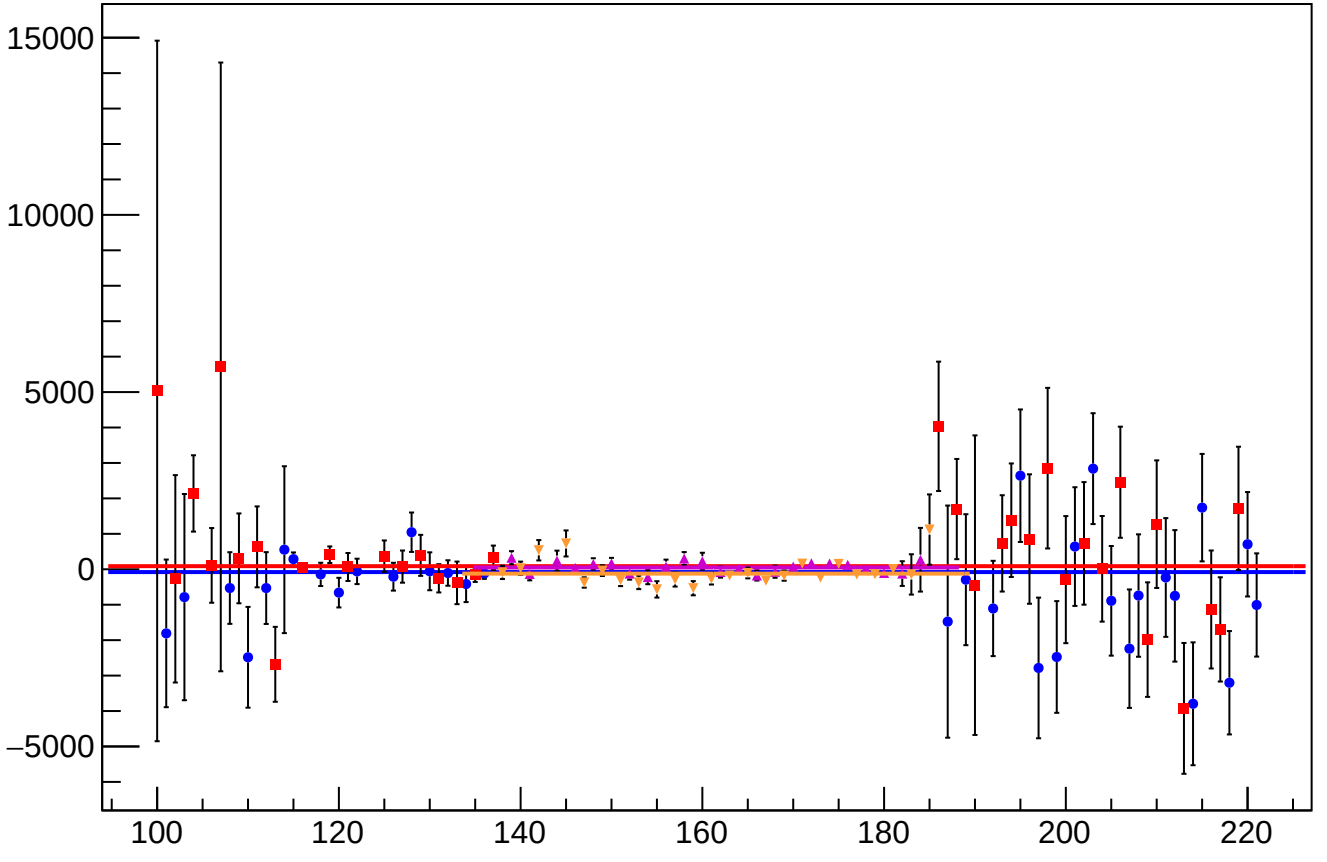
Right: 2217.080+/-0.240 χ^2/NDF: 755995.7/68

In: 2196.492+/-0.245 χ^2/NDF:555355.5/56

Out: 2202.336+/-0.248 χ^2/NDF:214188.0/58

All: 2199.382+/-0.174 χ^2/NDF: 769824.6/115

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: 87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

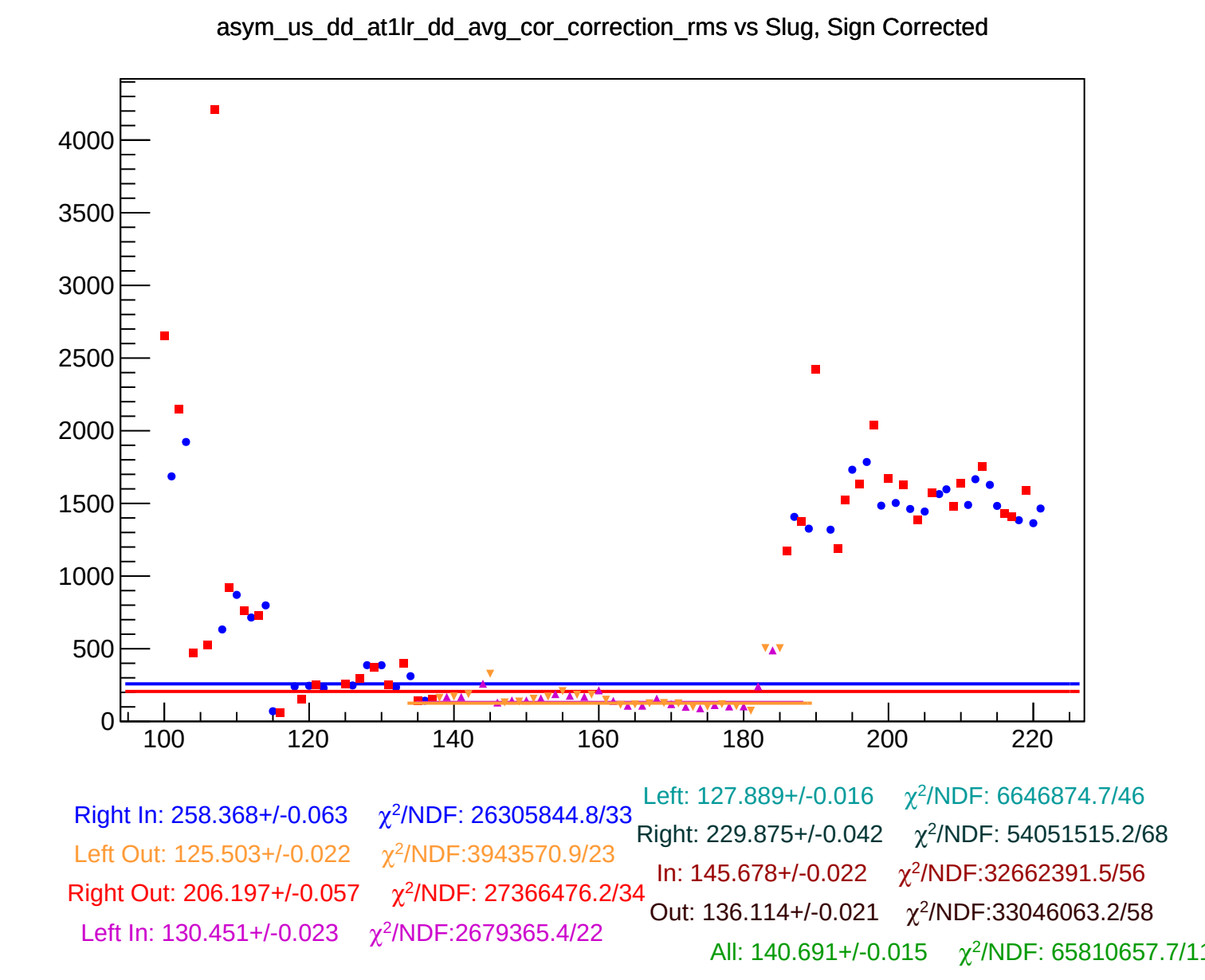
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

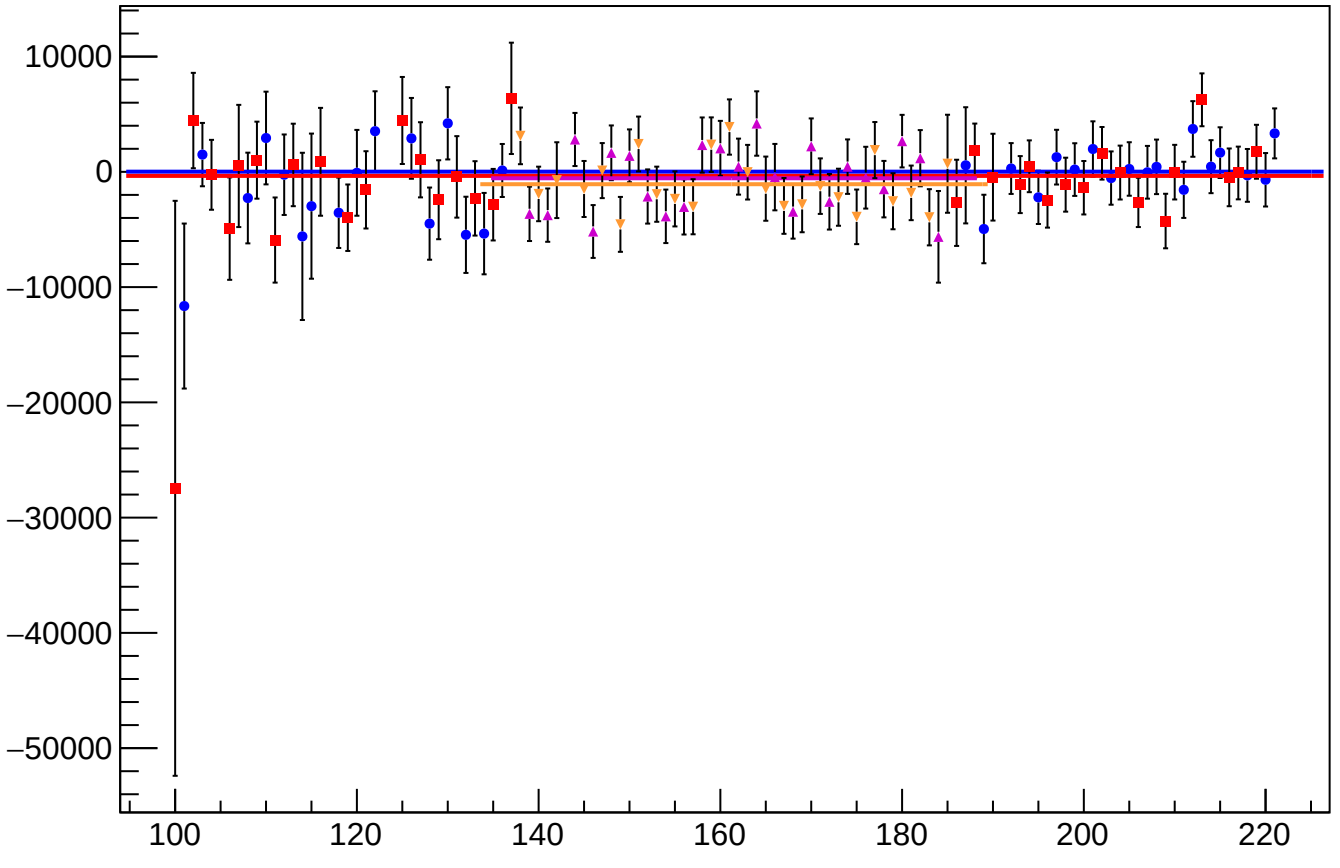
Right: 11.980+/-59.652 χ^2/NDF: 78.8/68

In: 34.824+/-30.550 χ^2/NDF:58.9/56

Out: -95.242+/-29.270 χ^2/NDF:87.8/58

All: -32.989+/-21.135 χ^2/NDF: 156.2/115


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 258.368+/-0.063 χ²/NDF: 26305844.8/33
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 206.197+/-0.057 χ²/NDF: 27366476.2/34
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
Left: 127.889+/-0.016 χ²/NDF: 6646874.7/46
Right: 229.875+/-0.042 χ²/NDF: 54051515.2/68
In: 145.678+/-0.022 χ²/NDF:32662391.5/56
Out: 136.114+/-0.021 χ²/NDF:33046063.2/58
All: 140.691+/-0.015 χ²/NDF: 65810657.7/1



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: -351.432+/-486.337 χ^2/NDF: 29.4/34

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

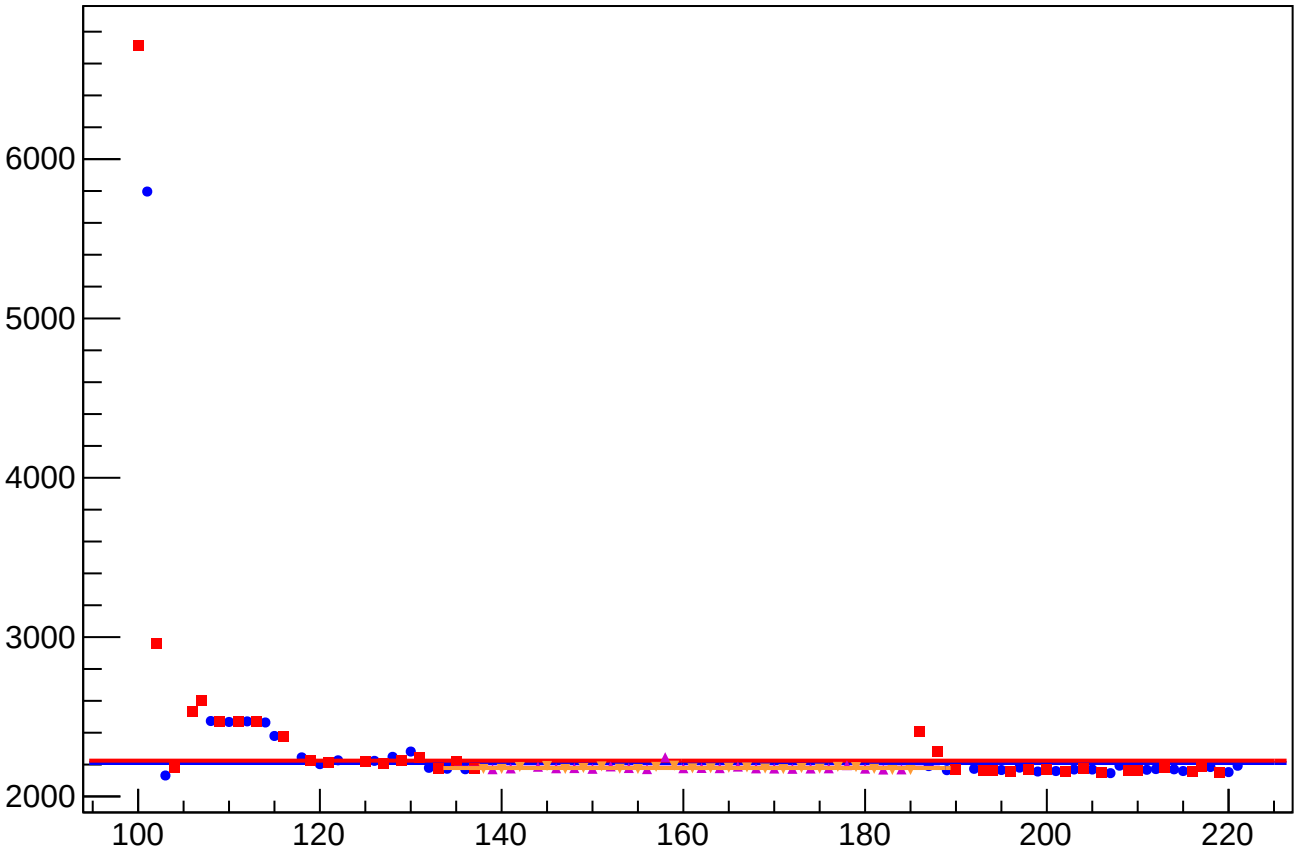
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -162.891+/-339.098 χ^2/NDF: 57.0/68

In: -249.748+/-346.576 χ^2/NDF:56.7/56

Out: -698.156+/-350.482 χ^2/NDF:52.0/58

All: -471.439+/-246.436 χ^2/NDF: 109.5/115



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: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

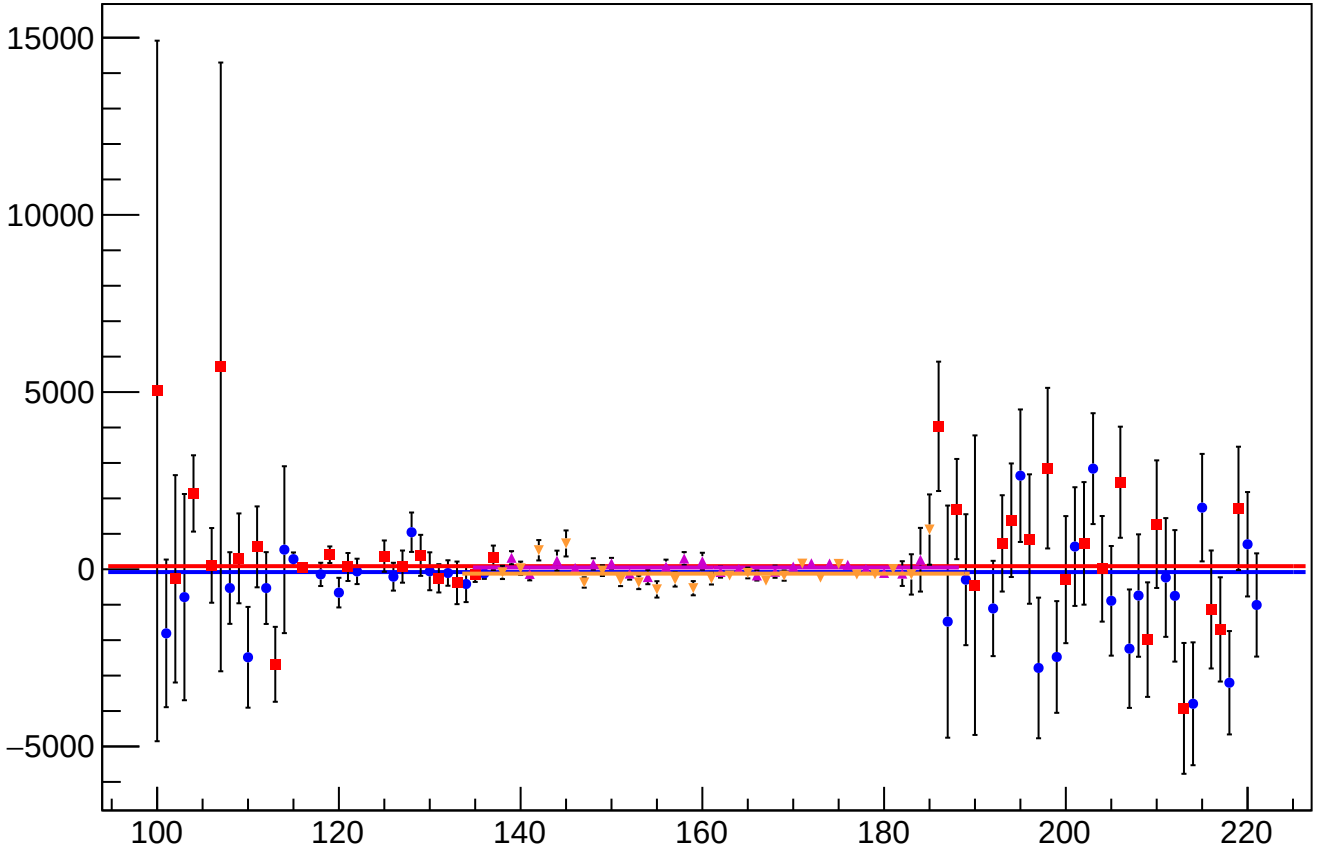
Right: 2217.080+/-0.240 χ^2/NDF: 755995.7/68

In: 2196.492+/-0.245 χ^2/NDF:555355.5/56

Out: 2202.336+/-0.248 χ^2/NDF:214188.0/58

All: 2199.382+/-0.174 χ^2/NDF: 769824.6/115

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: 87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

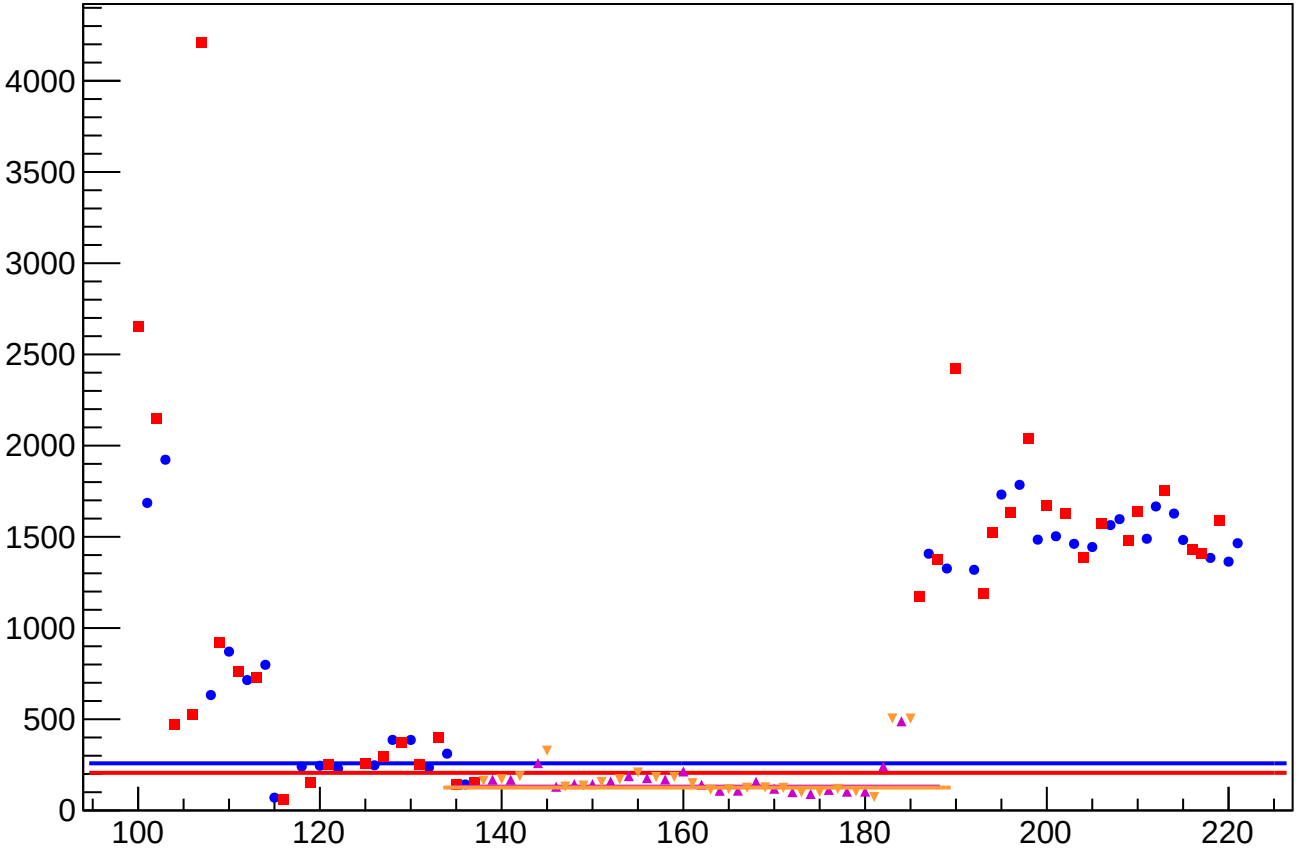
Right: 11.980+/-59.652 χ^2/NDF: 78.8/68

In: 34.824+/-30.550 χ^2/NDF:58.9/56

Out: -95.242+/-29.270 χ^2/NDF:87.8/58

All: -32.989+/-21.135 χ^2/NDF: 156.2/115

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: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

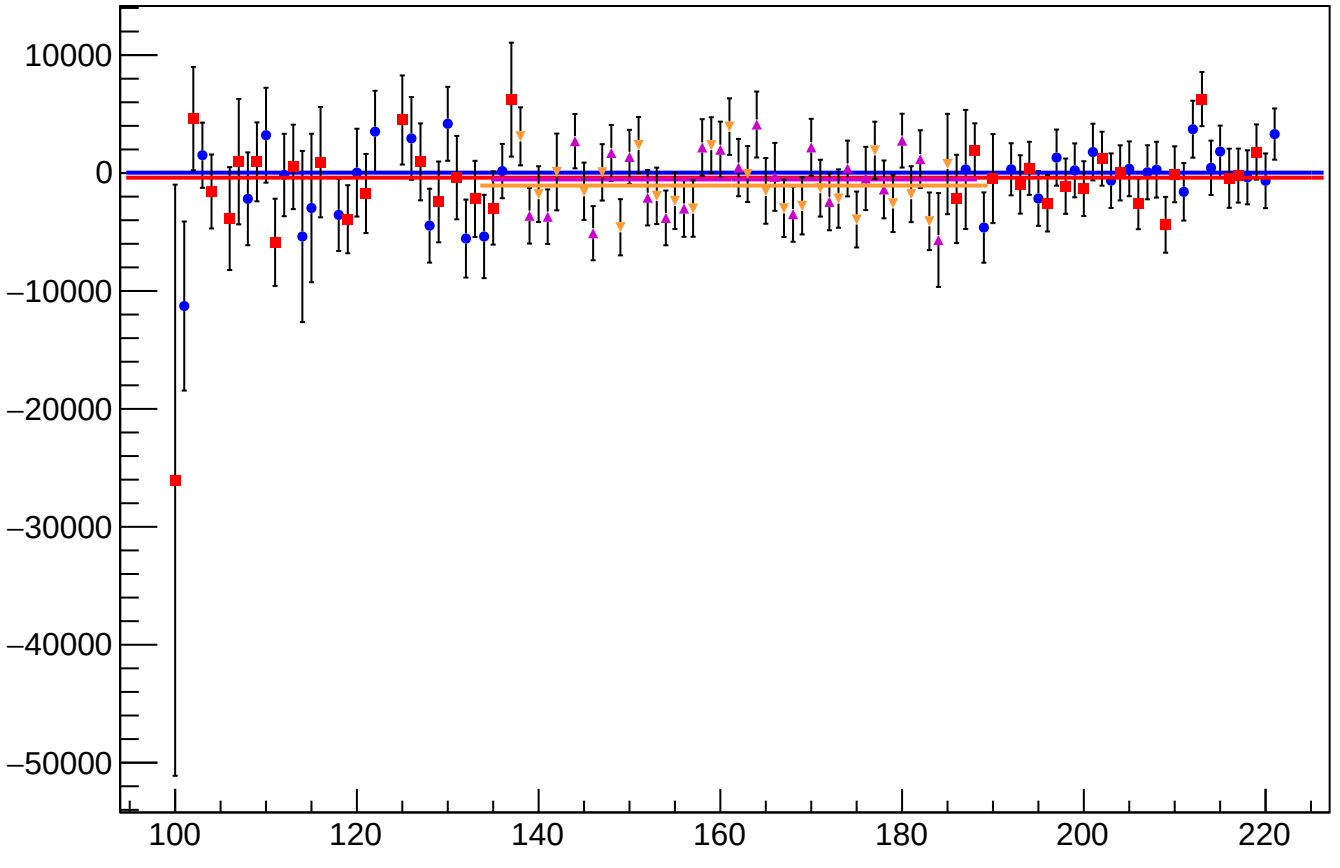
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 229.875+/-0.042 χ^2/NDF: 54051515.2/68

In: 145.678+/-0.022 χ^2/NDF:32662391.5/56

Out: 136.114+/-0.021 χ^2/NDF:33046063.2/58

All: 140.691+/-0.015 χ^2/NDF: 65810657.7/11



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: -392.423+/-487.480 χ^2/NDF: 28.6/34

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

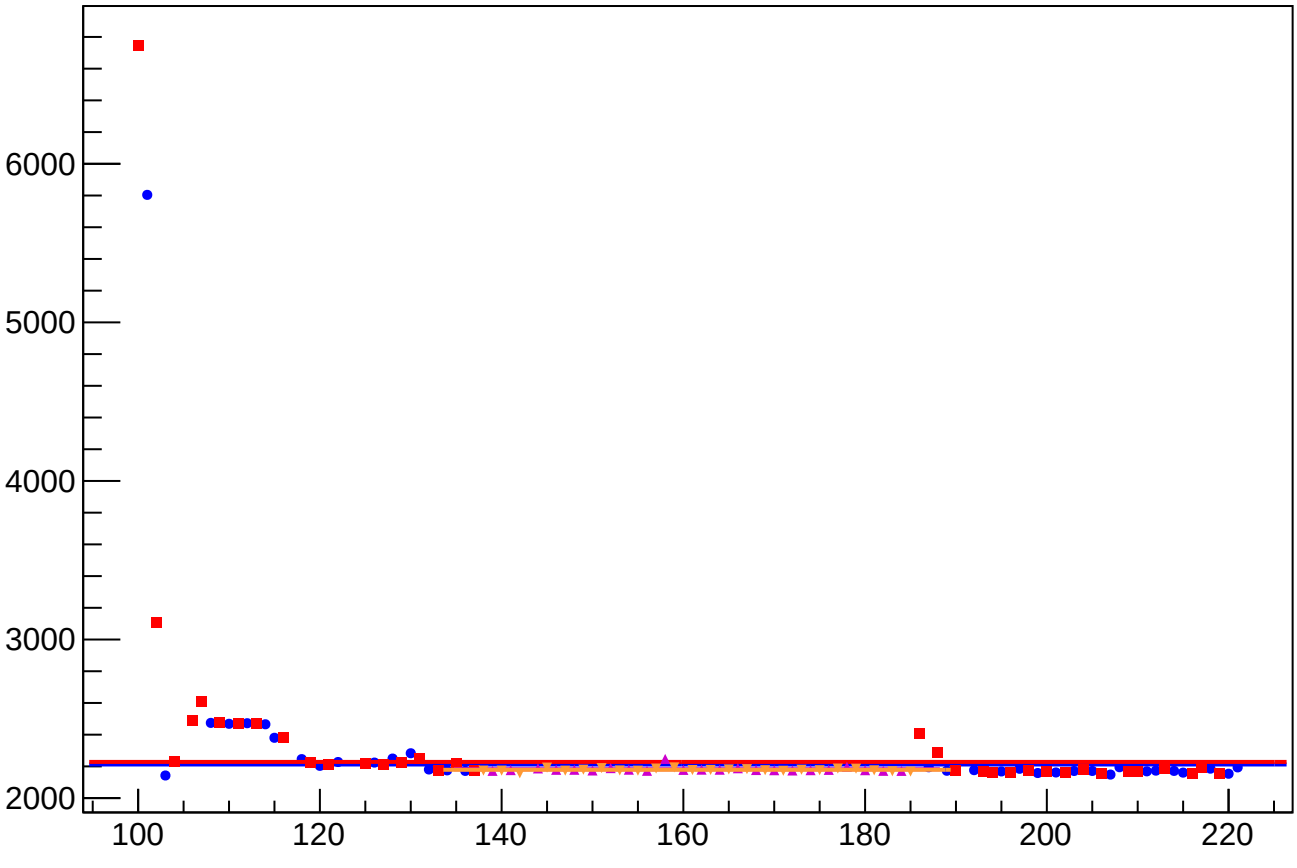
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -173.546+/-339.654 χ^2/NDF: 55.8/68

In: -234.581+/-346.828 χ^2/NDF:55.3/56

Out: -715.160+/-350.940 χ^2/NDF:51.4/58

All: -472.038+/-246.685 χ^2/NDF: 107.7/115



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: 2228.221+/-0.345 χ^2/NDF: 221154.8/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

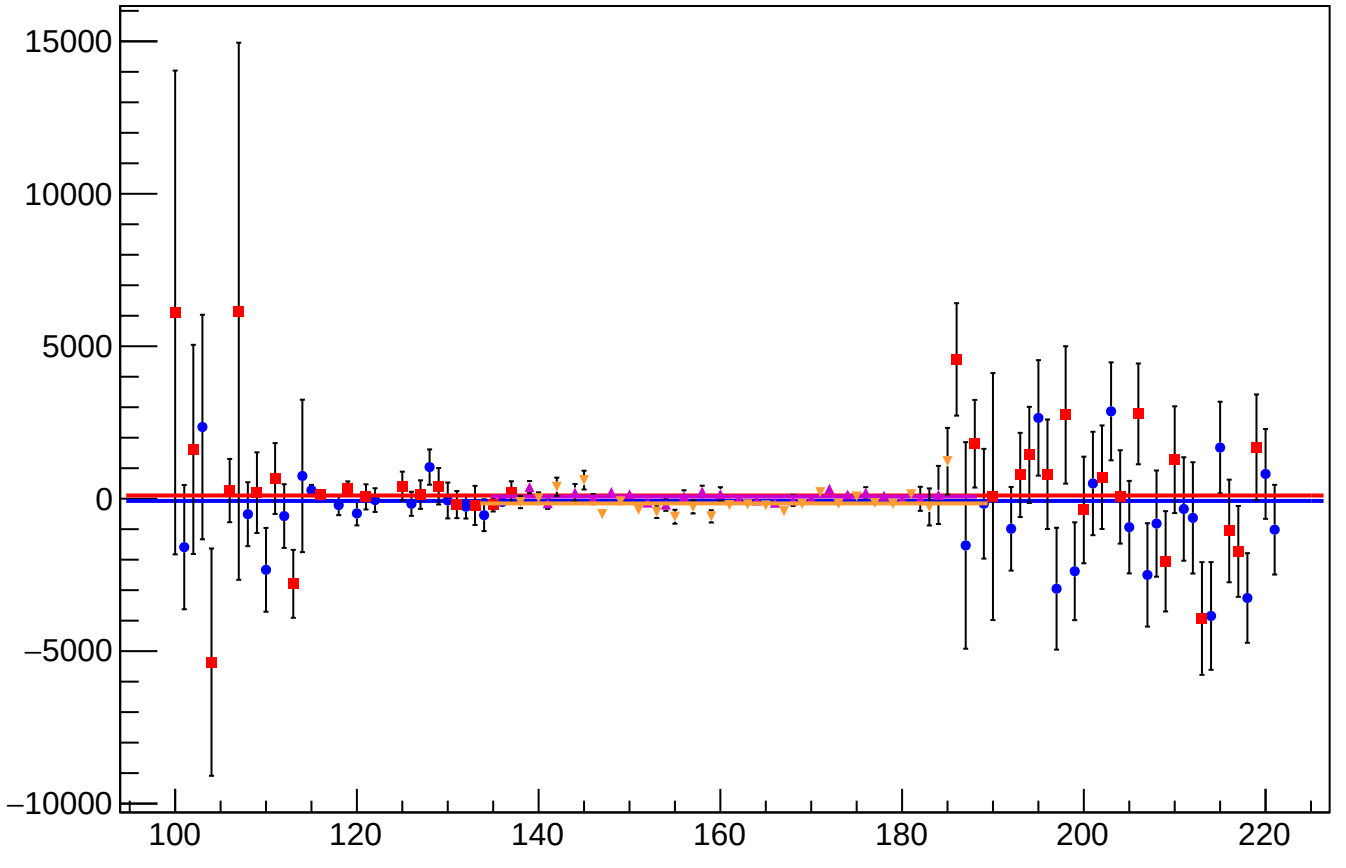
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2219.876+/-0.240 χ^2/NDF: 771843.7/68

In: 2198.042+/-0.245 χ^2/NDF:555139.1/56

Out: 2204.270+/-0.248 χ^2/NDF:231632.8/58

All: 2201.120+/-0.174 χ^2/NDF: 787090.6/115



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: 104.649+/-84.276 χ^2/NDF: 37.3/34

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

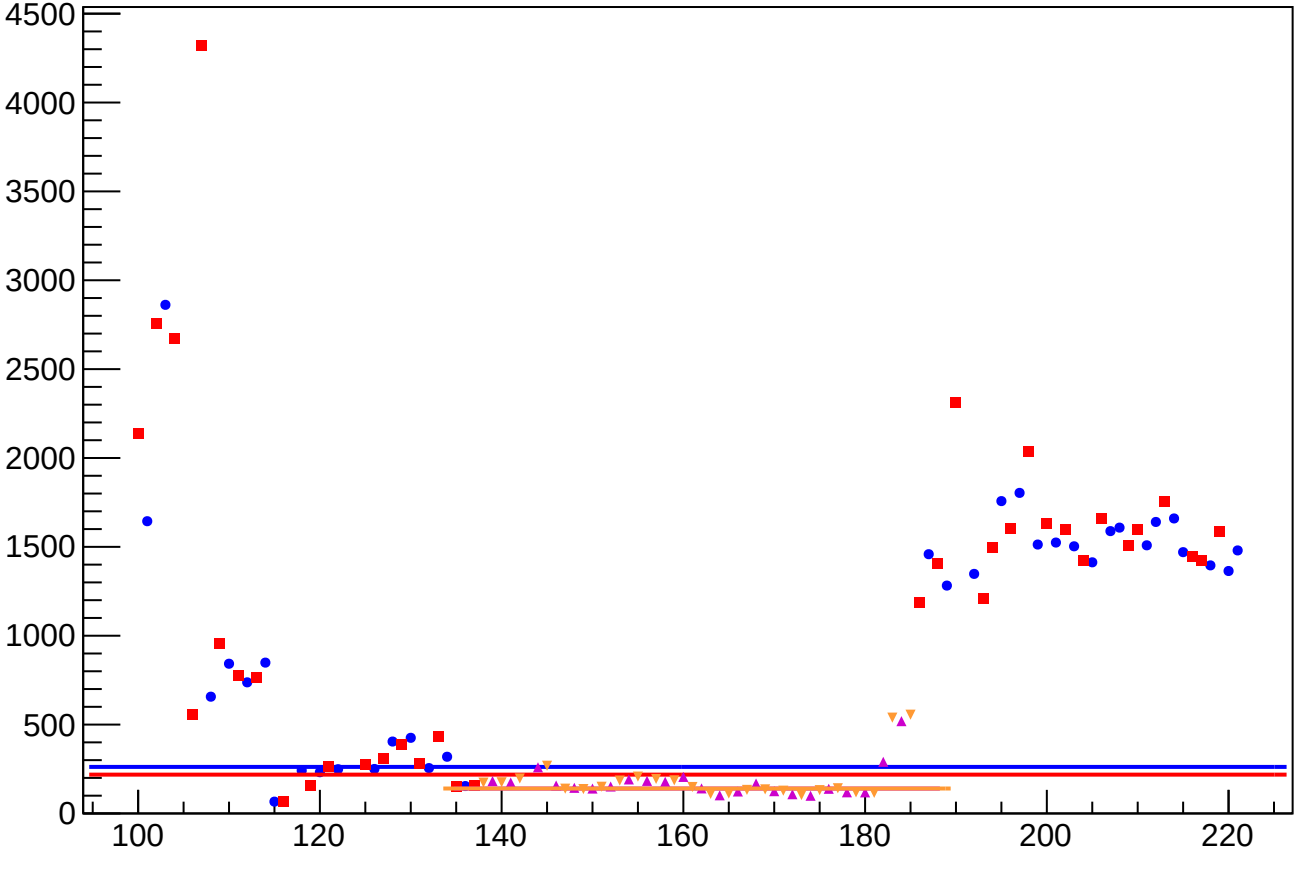
Right: 21.715+/-61.500 χ^2/NDF: 77.9/68

In: 52.088+/-31.971 χ^2/NDF:59.7/56

Out: -118.307+/-31.579 χ^2/NDF:92.8/58

All: -34.160+/-22.467 χ^2/NDF: 166.8/115

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 261.892+/-0.064 χ^2/NDF: 26844226.1/33

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 218.418+/-0.060 χ^2/NDF: 28064555.4/34

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

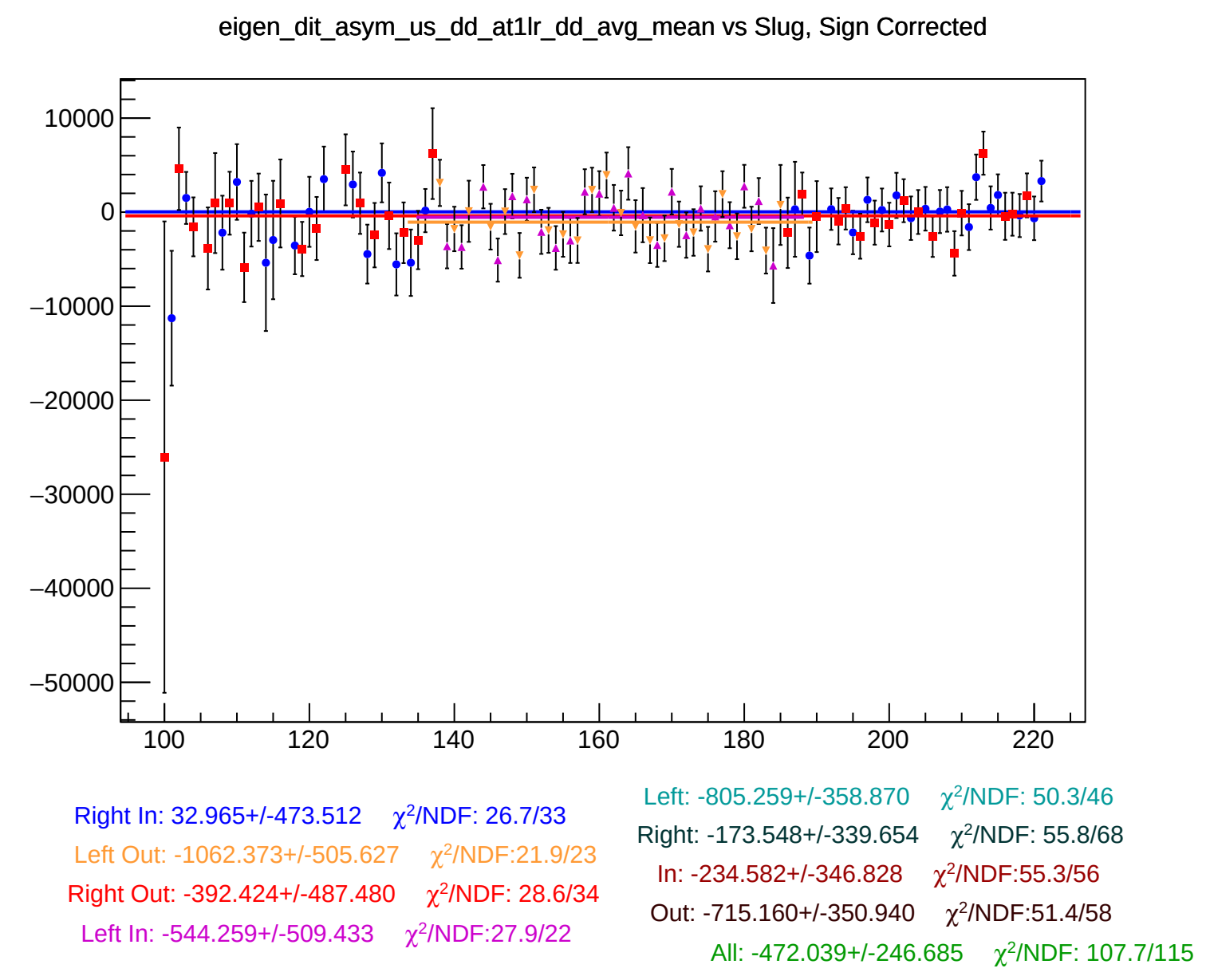
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

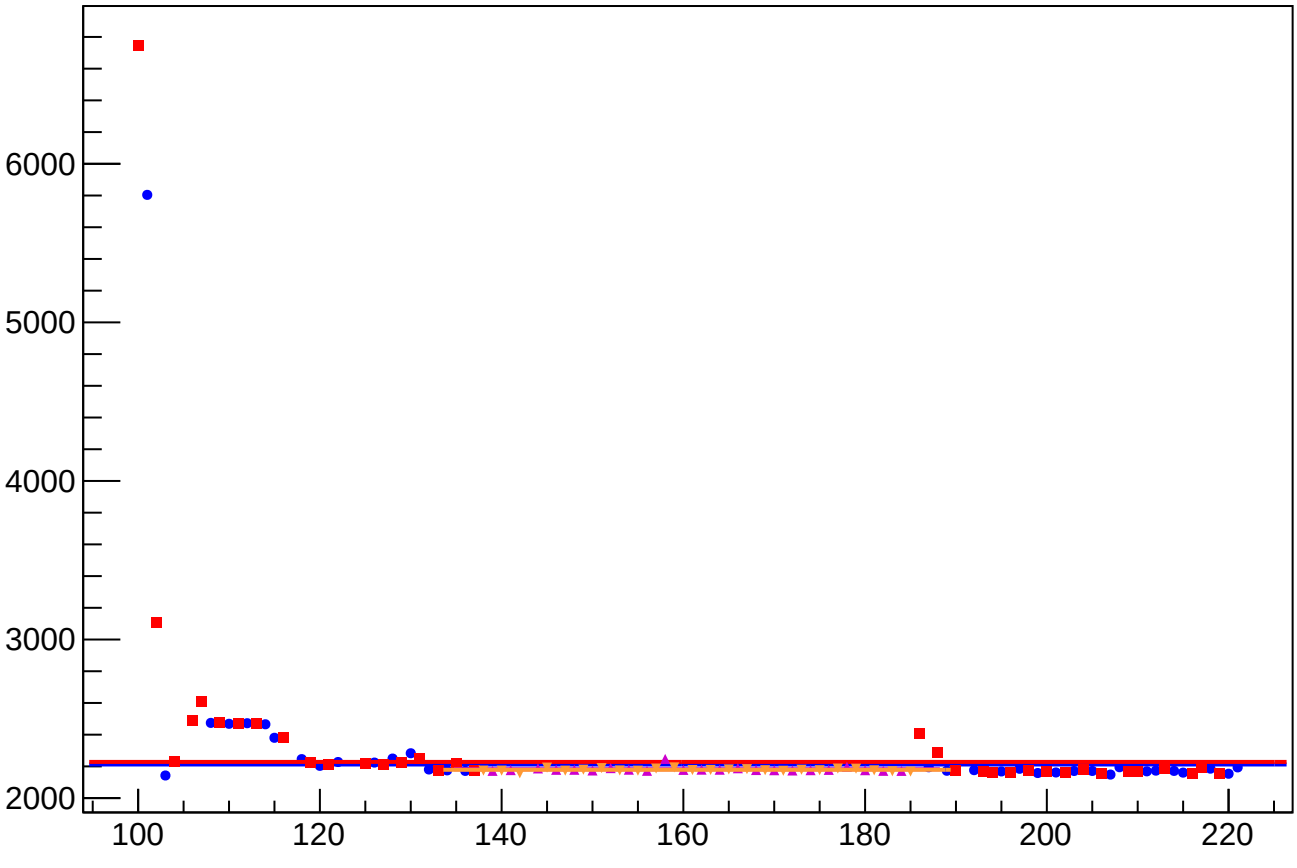
Right: 238.741+/-0.043 χ^2/NDF: 55157562.7/68

In: 155.380+/-0.023 χ^2/NDF:32466448.0/56

Out: 151.284+/-0.022 χ^2/NDF:32301263.6/58

All: 153.307+/-0.016 χ^2/NDF: 64784323.3/11


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: -392.424+/-487.480 χ²/NDF: 28.6/34
Left In: -544.259+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -173.548+/-339.654 χ²/NDF: 55.8/68
In: -234.582+/-346.828 χ²/NDF:55.3/56
Out: -715.160+/-350.940 χ²/NDF:51.4/58
All: -472.039+/-246.685 χ²/NDF: 107.7/115



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: 2228.221+/-0.345 χ^2/NDF: 221154.7/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

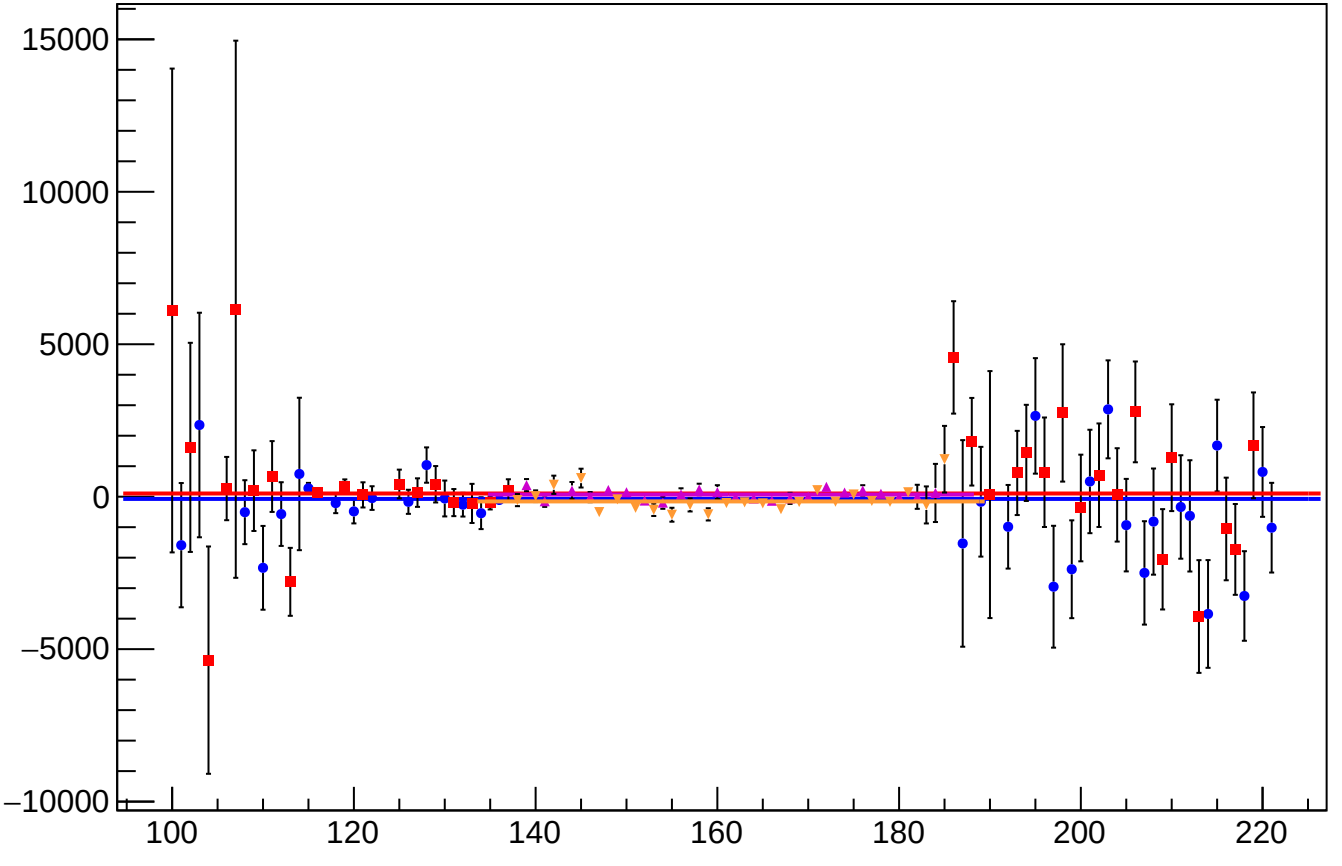
Right: 2219.876+/-0.240 χ^2/NDF: 771843.6/68

In: 2198.042+/-0.245 χ^2/NDF:555139.1/56

Out: 2204.270+/-0.248 χ^2/NDF:231632.6/58

All: 2201.119+/-0.174 χ^2/NDF: 787090.4/115

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: 104.650+/-84.275 χ^2/NDF: 37.3/34

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

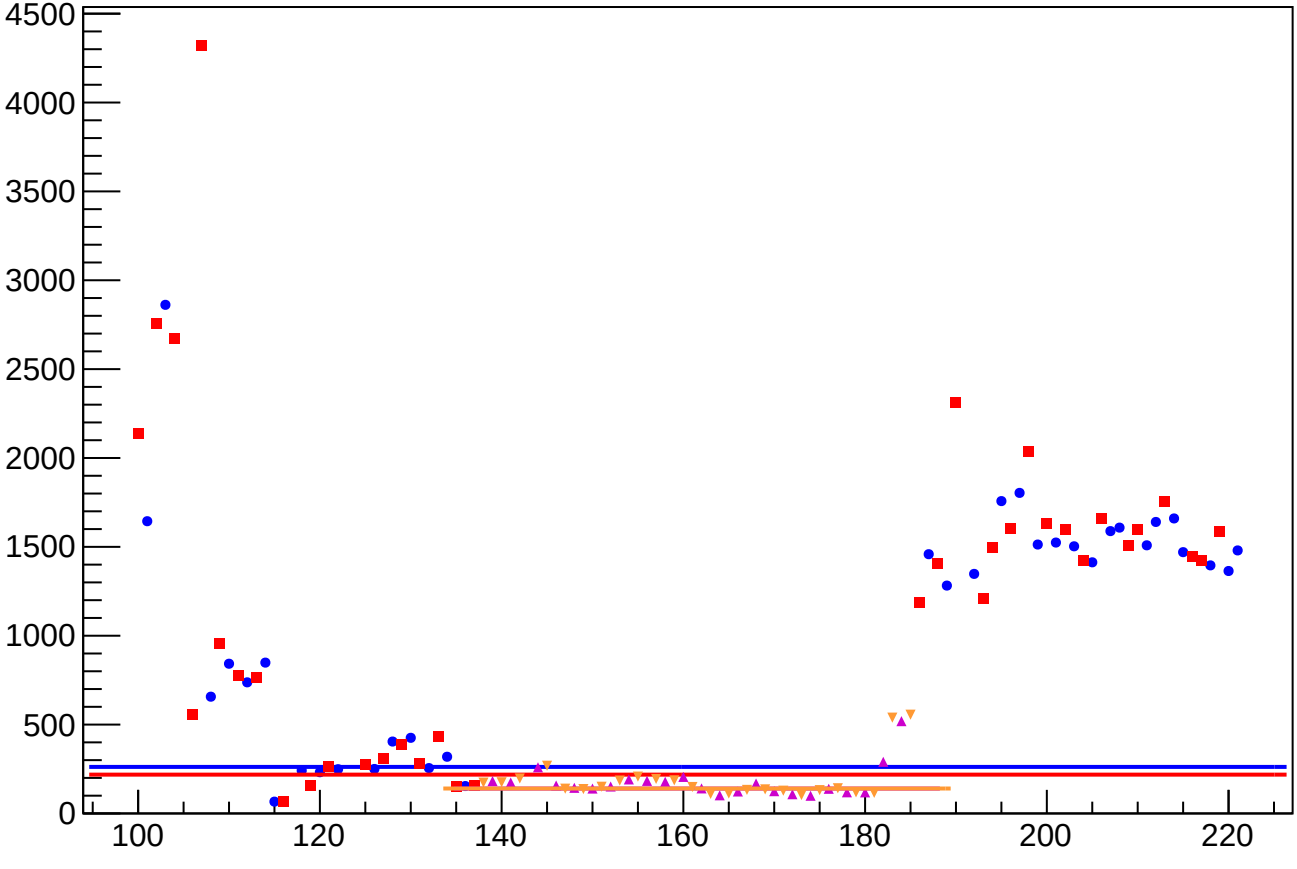
Right: 21.717+/-61.500 χ^2/NDF: 77.9/68

In: 52.088+/-31.971 χ^2/NDF:59.7/56

Out: -118.307+/-31.579 χ^2/NDF:92.8/58

All: -34.160+/-22.467 χ^2/NDF: 166.8/115

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: 218.415+/-0.060 χ^2/NDF: 28064708.6/34

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

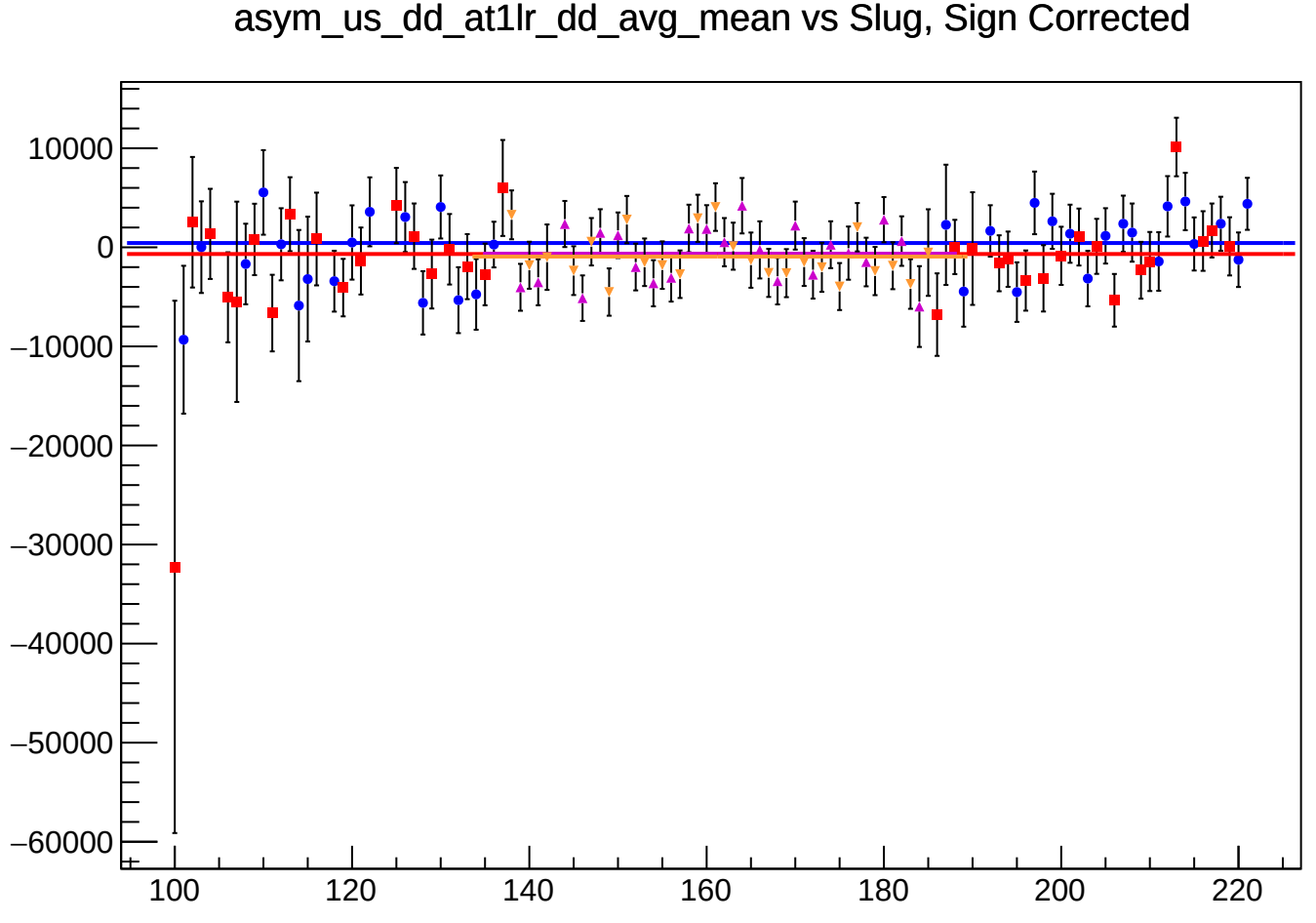
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 238.737+/-0.043 χ^2/NDF: 55157867.7/68

In: 155.380+/-0.023 χ^2/NDF:32466505.9/56

Out: 151.285+/-0.022 χ^2/NDF:32301297.1/58

All: 153.307+/-0.016 χ^2/NDF: 64784414.0/11



Right In: 434.781+/-551.275 χ^2/NDF: 34.1/33

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -674.621+/-572.510 χ^2/NDF: 35.0/34

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

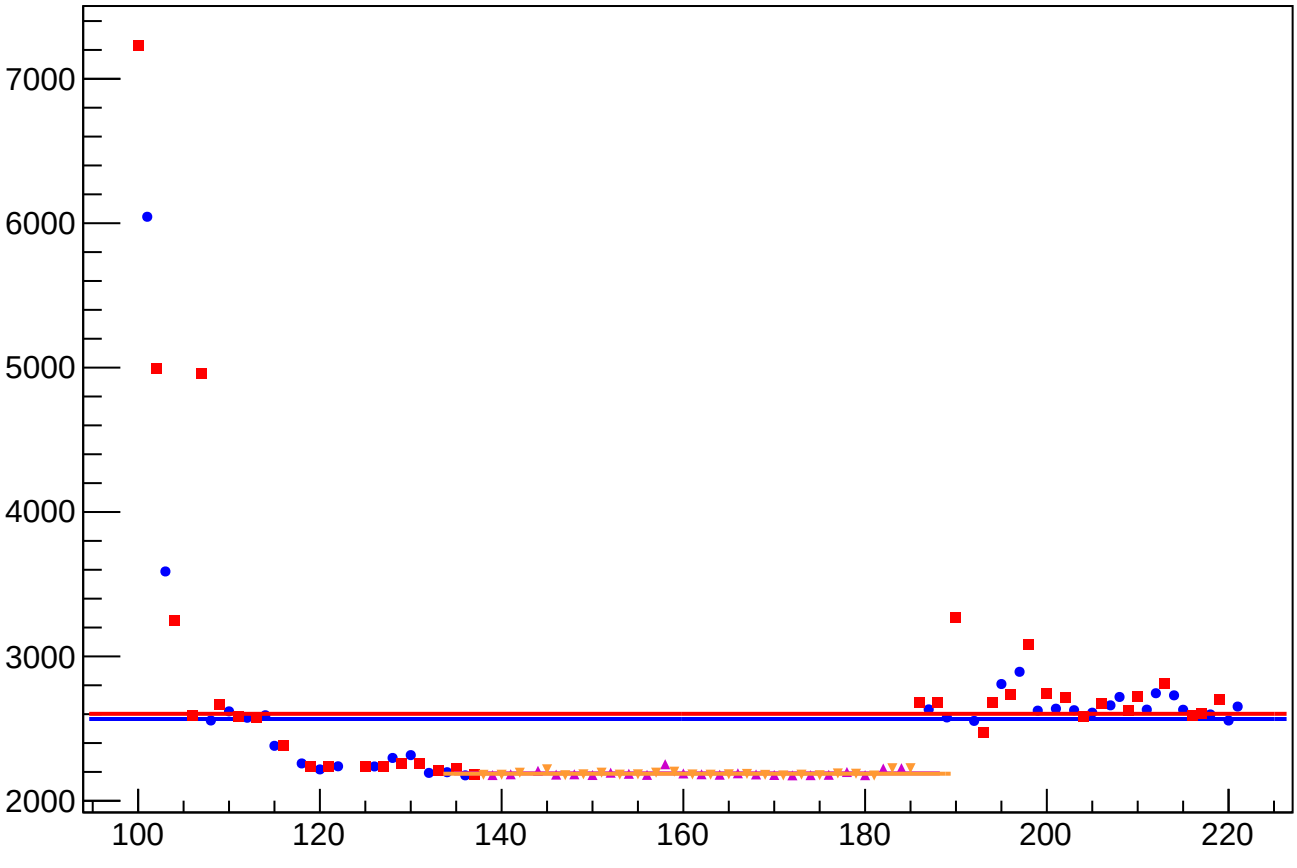
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -98.965+/-397.105 χ^2/NDF: 71.0/68

In: -144.402+/-374.909 χ^2/NDF:63.2/56

Out: -818.694+/-379.861 χ^2/NDF:57.5/58

All: -477.124+/-266.834 χ^2/NDF: 122.2/115



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: 2602.383+/-0.405 χ^2/NDF: 792013.4/34

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

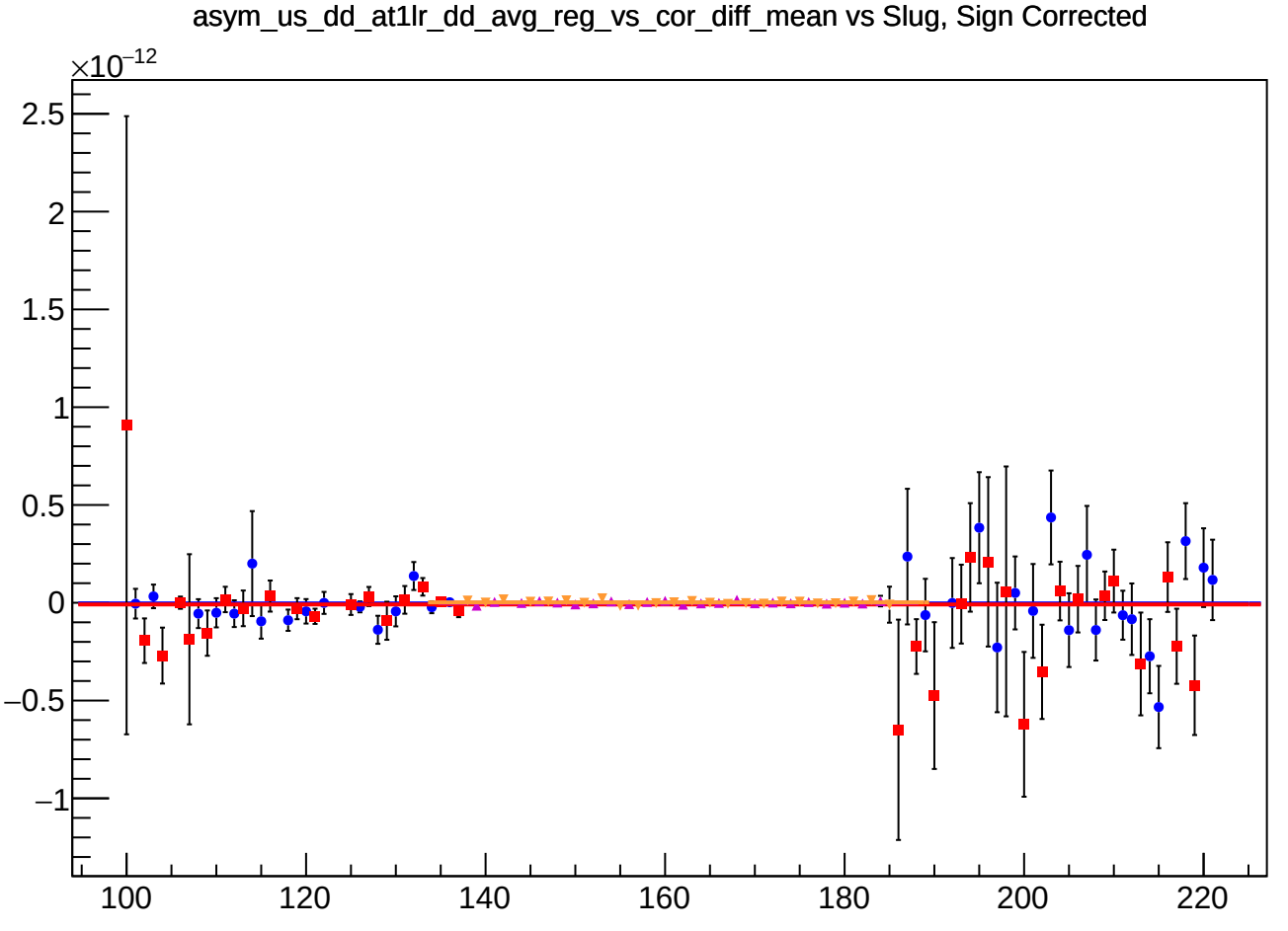
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2583.807+/-0.281 χ^2/NDF: 1596596.6/68

In: 2364.259+/-0.265 χ^2/NDF:1304275.5/56

Out: 2370.213+/-0.269 χ^2/NDF:1380940.6/58

All: 2367.197+/-0.189 χ^2/NDF: 2685465.1/11



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: 36.7/34

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

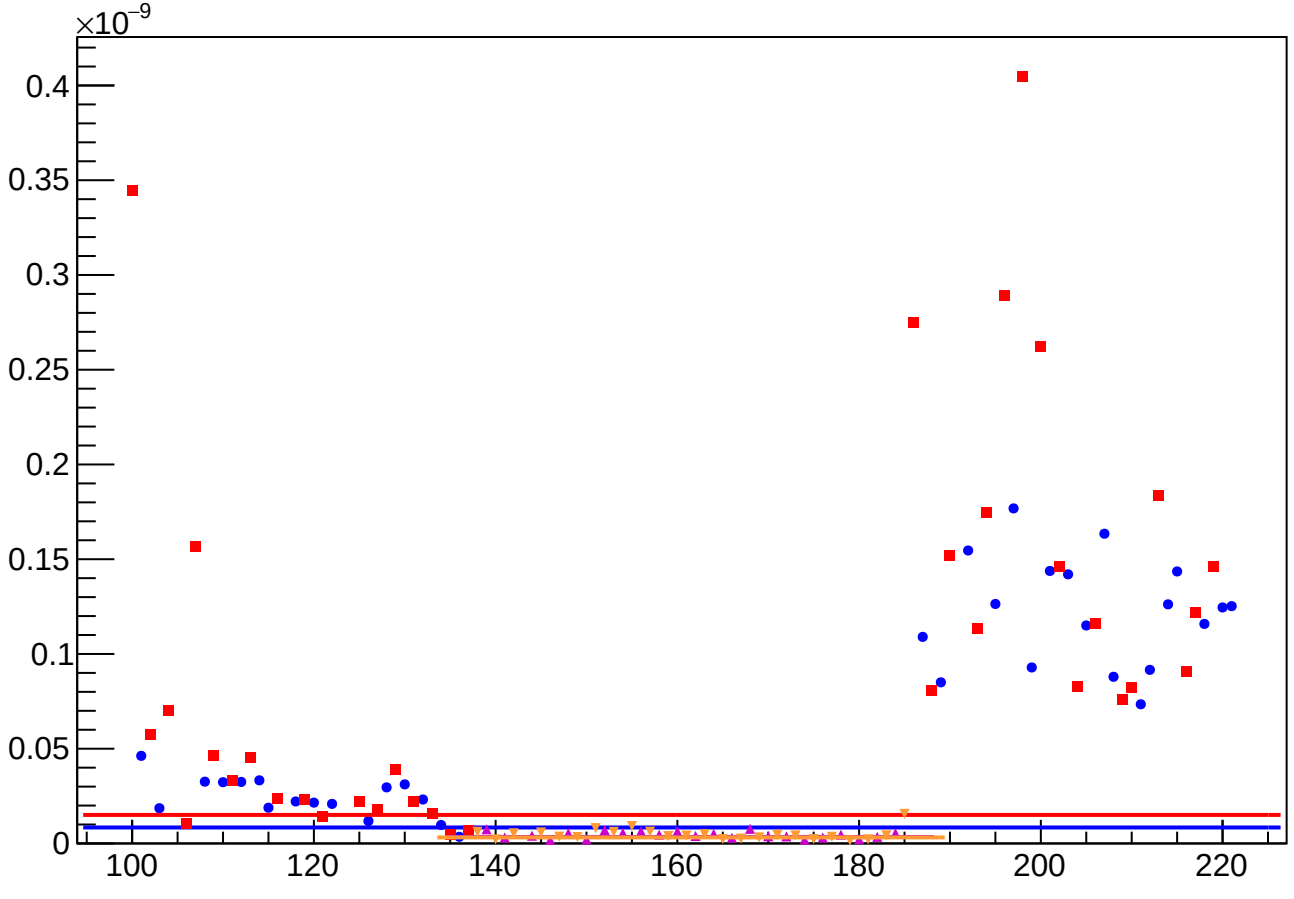
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 73.8/68

In: -0.000+/-0.000 χ^2/NDF:50.4/56

Out: 0.000+/-0.000 χ^2/NDF:57.3/58

All: 0.000+/-0.000 χ^2/NDF: 108.7/115



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: 12561844.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

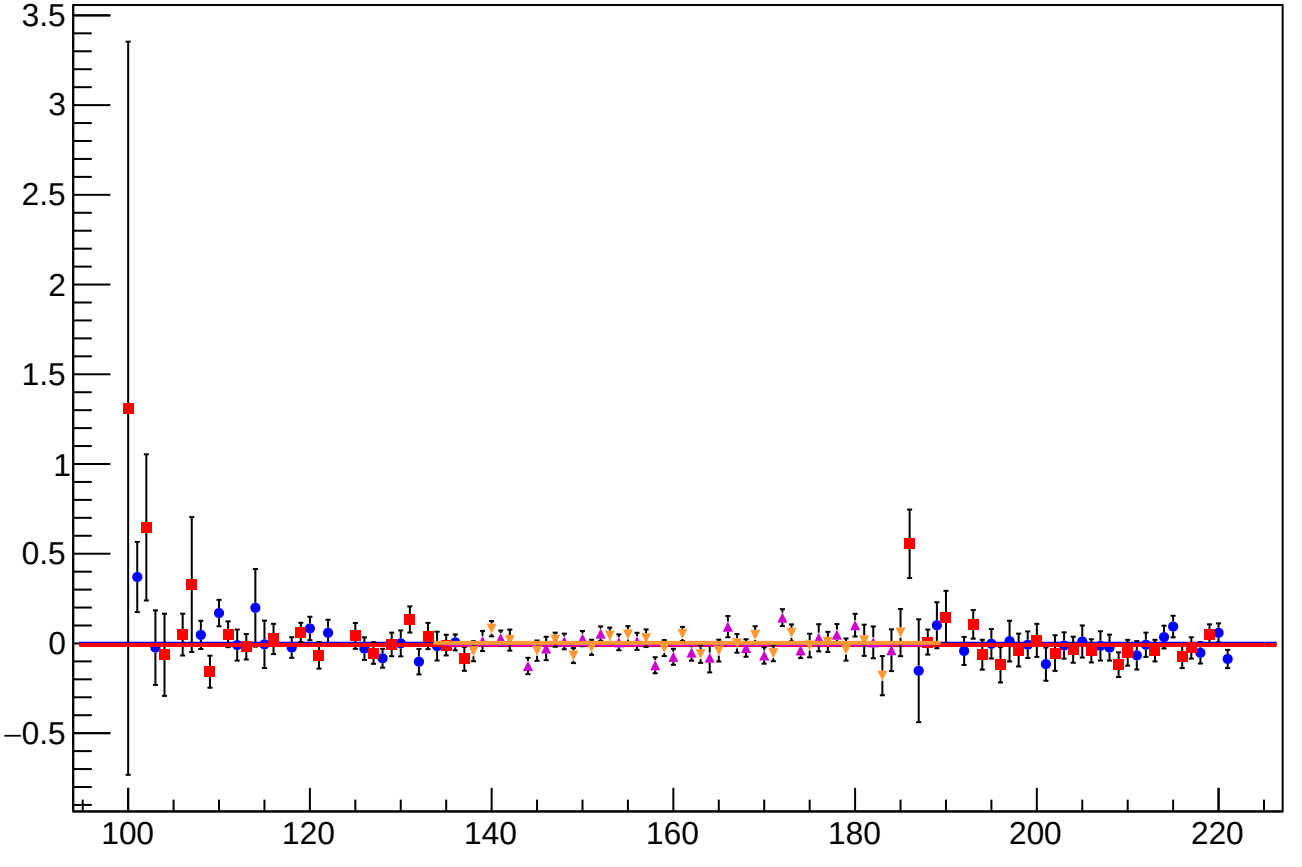
Right: 0.000+/-0.000 χ^2/NDF: 26510693.6/68

In: 0.000+/-0.000 χ^2/NDF:16200315.1/56

Out: 0.000+/-0.000 χ^2/NDF:17627750.7/58

All: 0.000+/-0.000 χ^2/NDF: 33855410.2/115

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: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

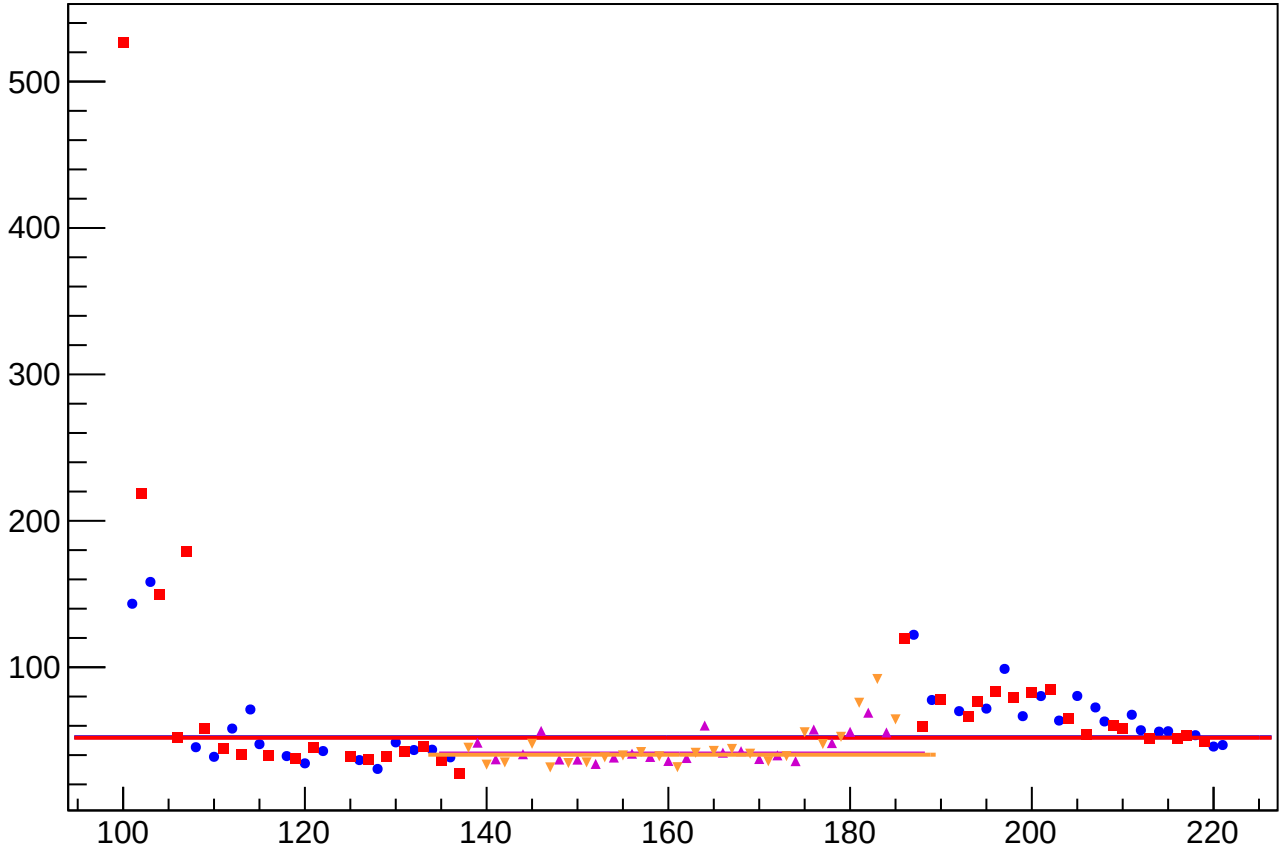
Right: -0.005+/-0.009 χ^2/NDF: 65.2/68

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.003+/-0.006 χ^2/NDF: 128.9/115

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: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

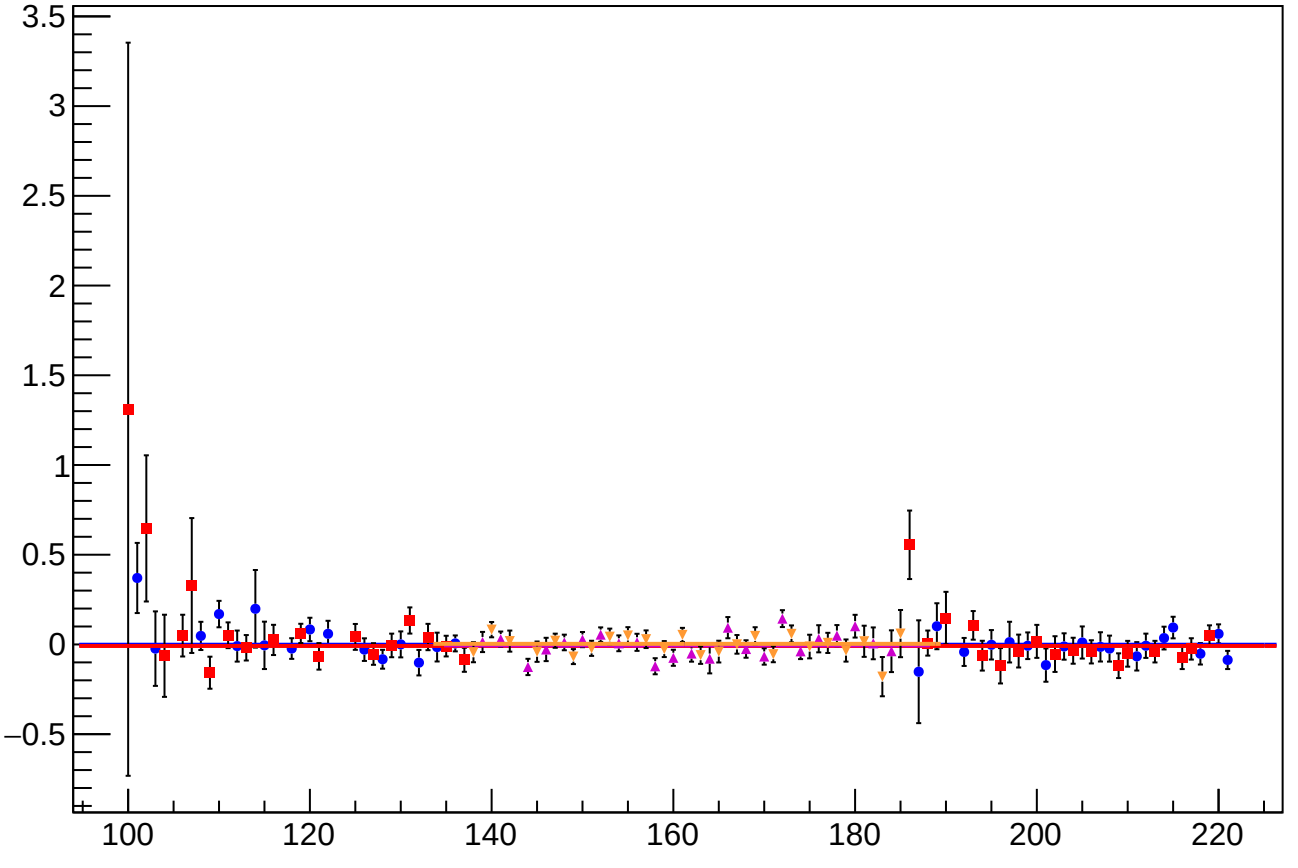
Right: 52.042+/-0.006 χ^2/NDF: 7219733.7/68

In: 45.688+/-0.006 χ^2/NDF:5486191.7/56

Out: 44.755+/-0.006 χ^2/NDF:6032528.8/58

All: 45.224+/-0.004 χ^2/NDF: 11532001.0/115

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: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

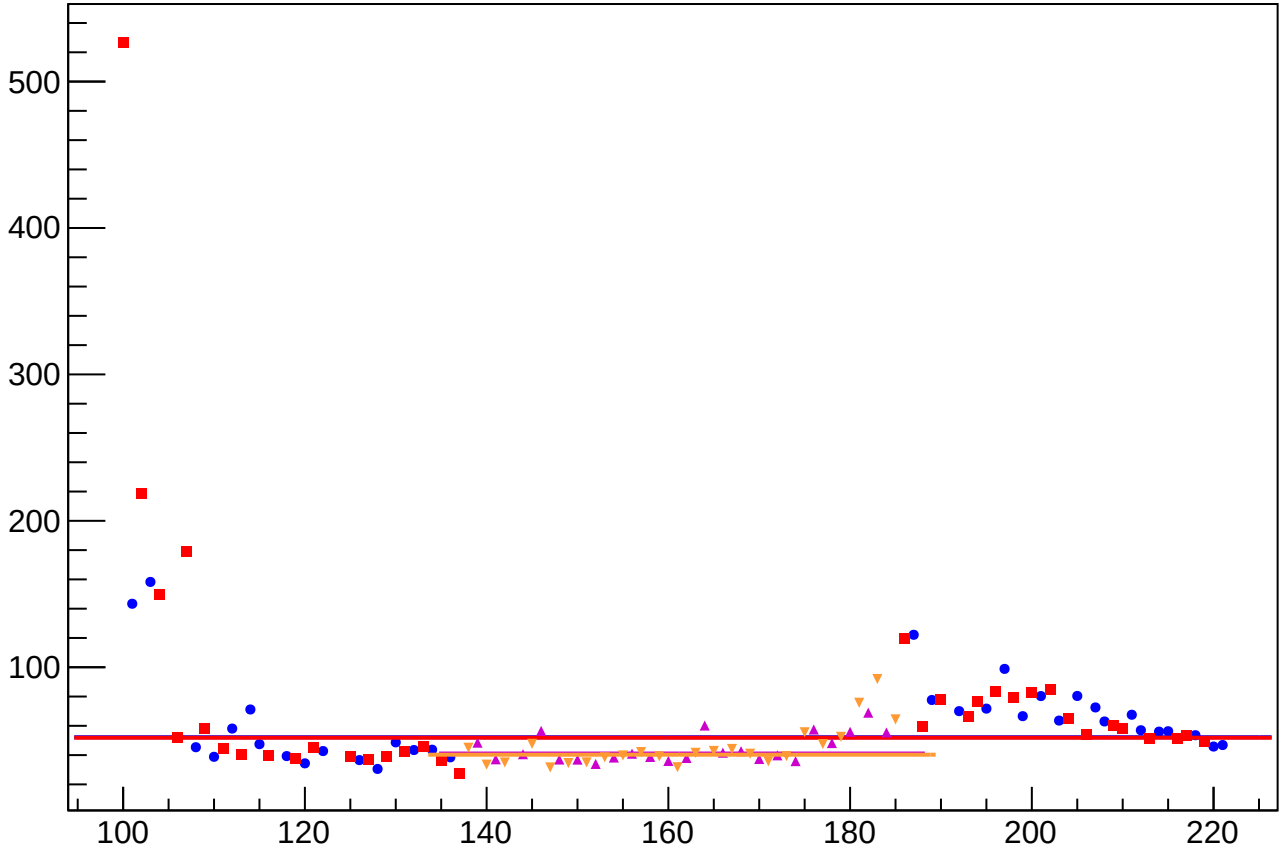
Right: -0.005+/-0.009 χ^2/NDF: 65.2/68

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.003+/-0.006 χ^2/NDF: 128.9/115

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: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

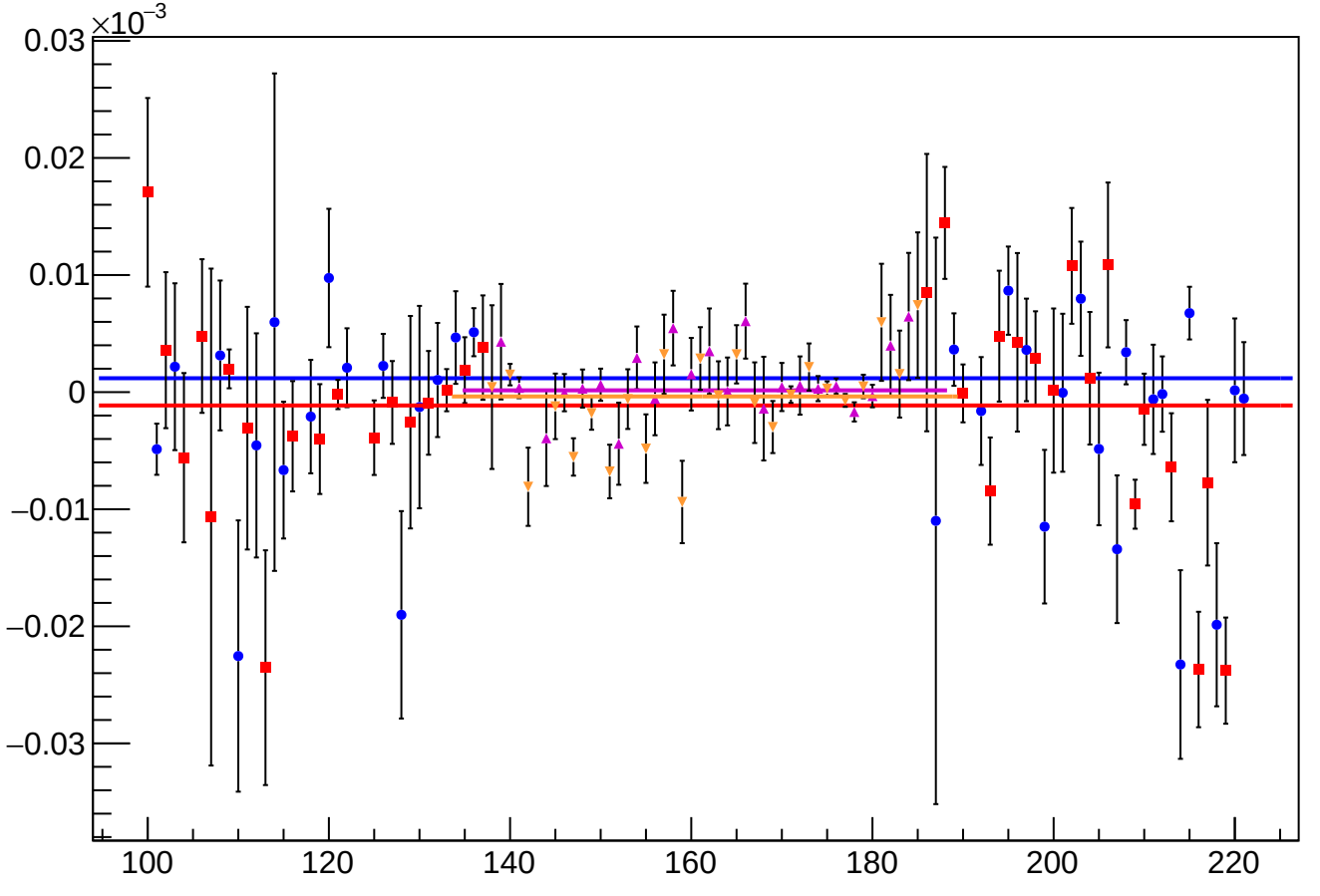
Right: 52.042+/-0.006 χ^2/NDF: 7219733.7/68

In: 45.688+/-0.006 χ^2/NDF:5486191.7/56

Out: 44.755+/-0.006 χ^2/NDF:6032528.8/58

All: 45.224+/-0.004 χ^2/NDF: 11532001.0/115

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: 110.4/34

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

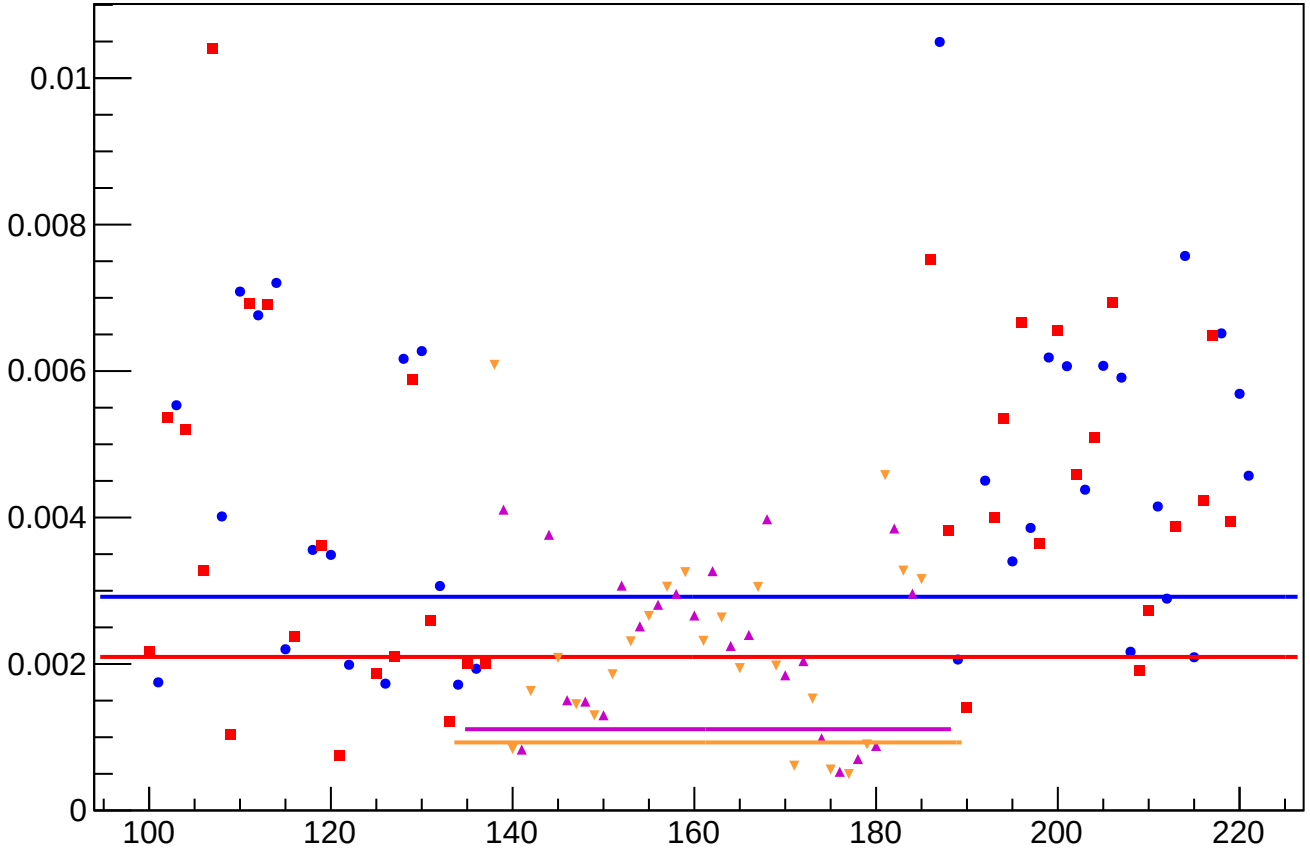
Right: -0.000+/-0.000 χ^2/NDF: 186.5/68

In: 0.000+/-0.000 χ^2/NDF:91.4/56

Out: -0.000+/-0.000 χ^2/NDF:163.0/58

All: -0.000+/-0.000 χ^2/NDF: 259.1/115

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: 13910417.3/34

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

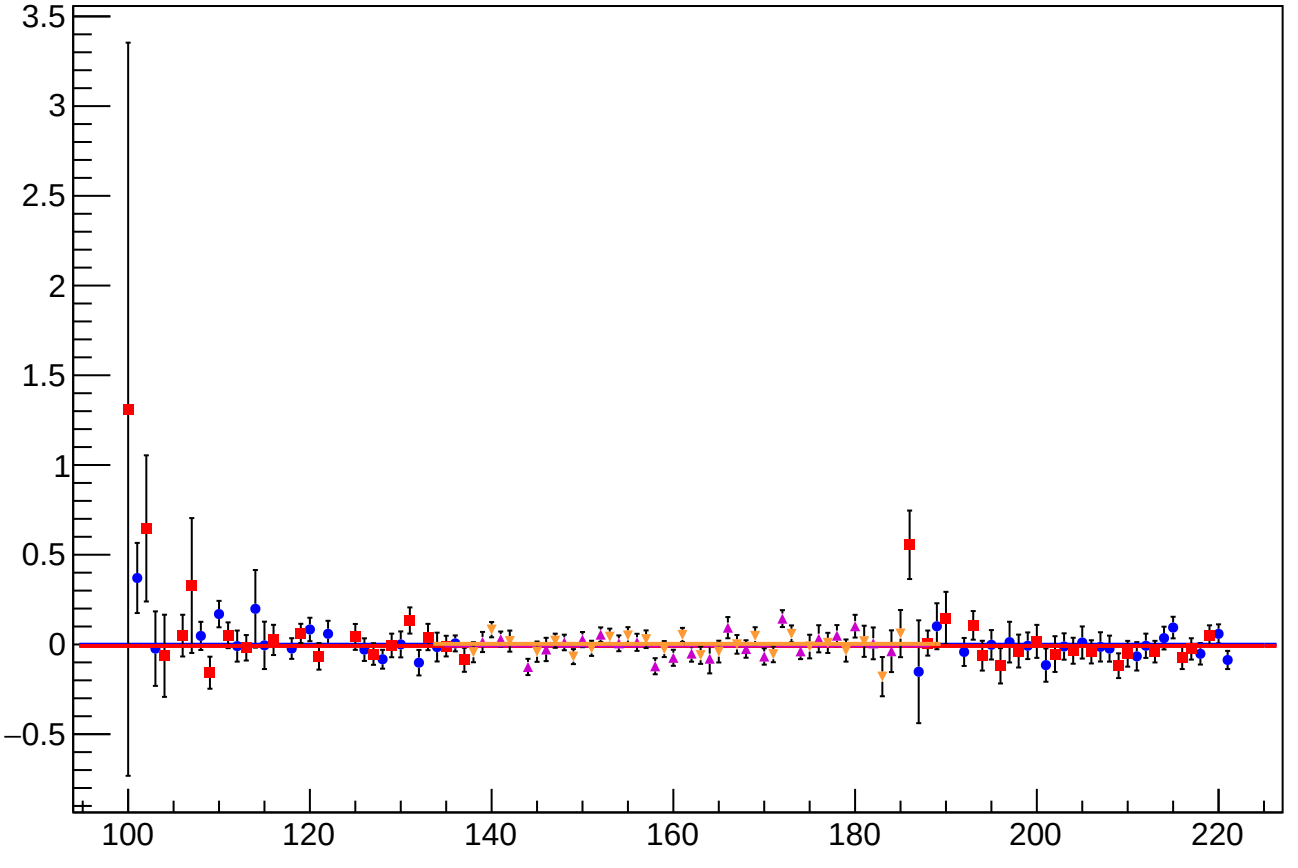
Right: 0.002+/-0.000 χ^2/NDF: 24023940.3/68

In: 0.001+/-0.000 χ^2/NDF:30127529.1/56

Out: 0.001+/-0.000 χ^2/NDF:32940752.7/58

All: 0.001+/-0.000 χ^2/NDF: 64030488.7/115

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: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

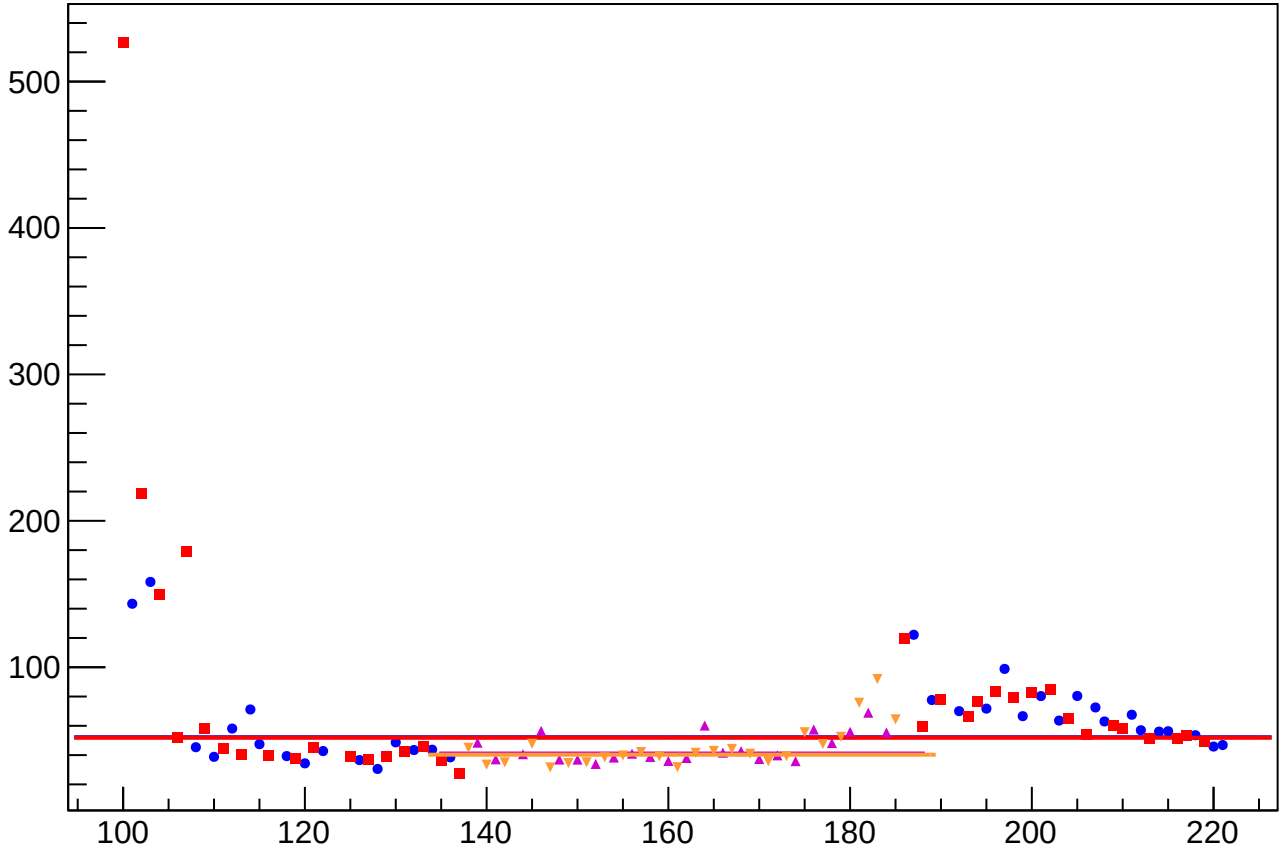
Right: -0.005+/-0.009 χ^2/NDF: 65.2/68

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.003+/-0.006 χ^2/NDF: 128.9/115

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: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

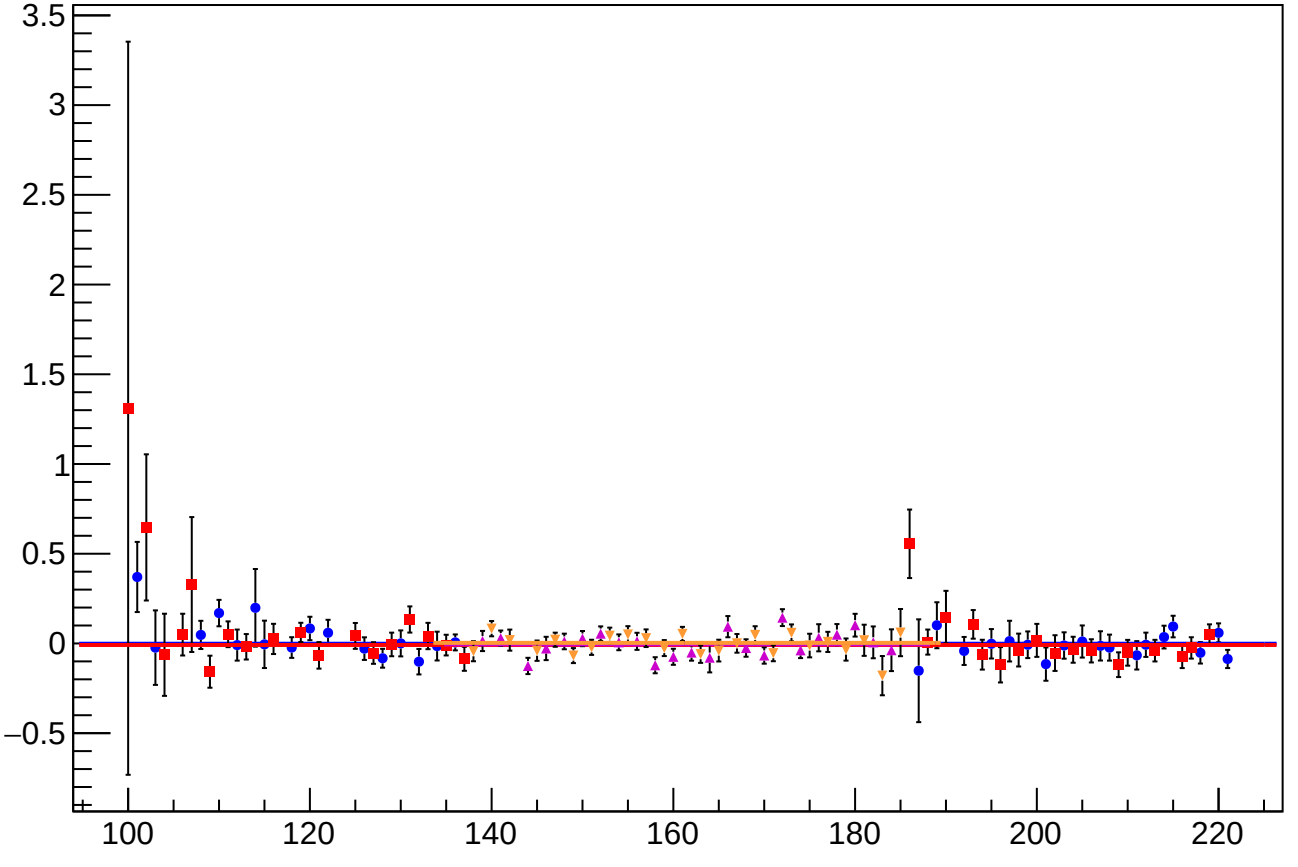
Right: 52.042+/-0.006 χ^2/NDF: 7220308.8/68

In: 45.688+/-0.006 χ^2/NDF:5486619.7/56

Out: 44.755+/-0.006 χ^2/NDF:6032537.1/58

All: 45.224+/-0.004 χ^2/NDF: 11532416.0/115

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: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

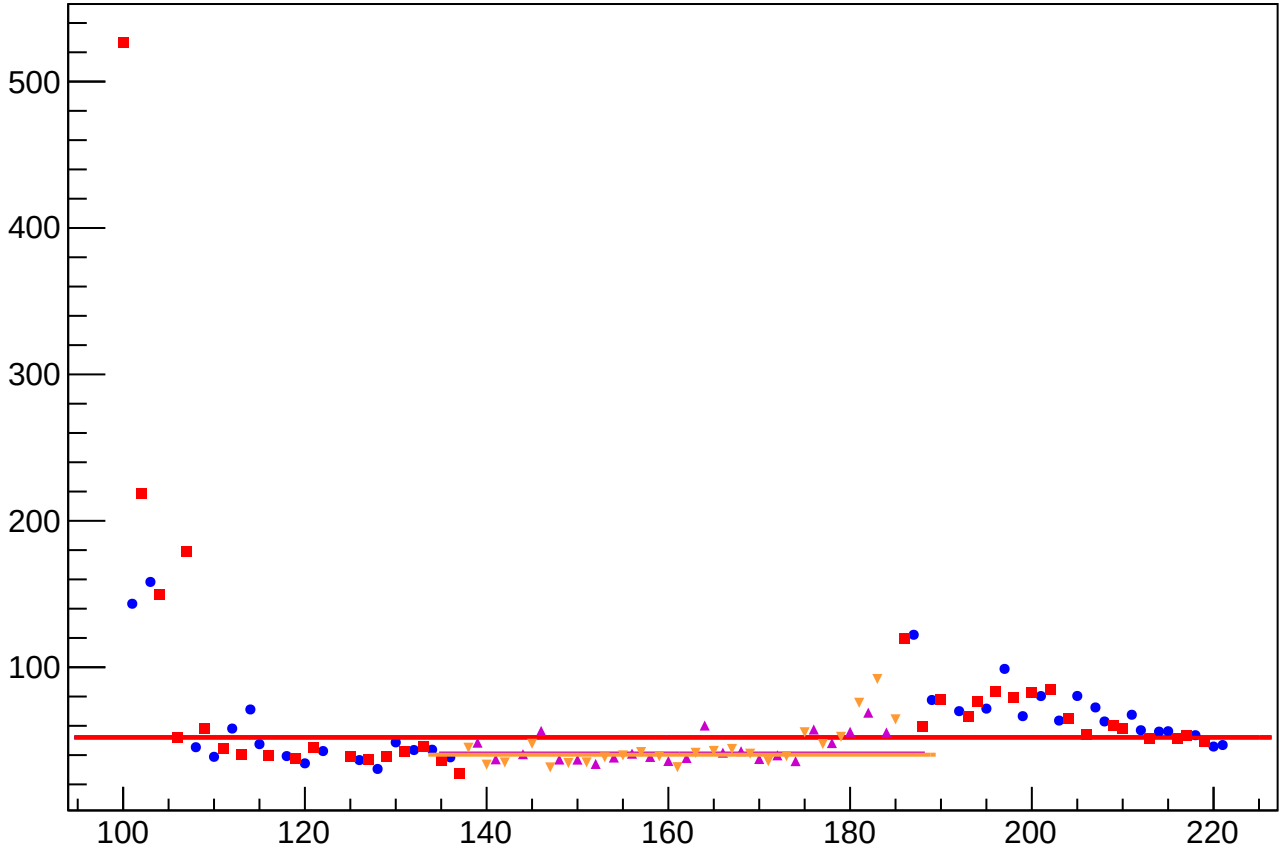
Right: -0.005+/-0.009 χ^2/NDF: 65.2/68

In: -0.004+/-0.008 χ^2/NDF:70.1/56

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.003+/-0.006 χ^2/NDF: 128.9/115

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: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

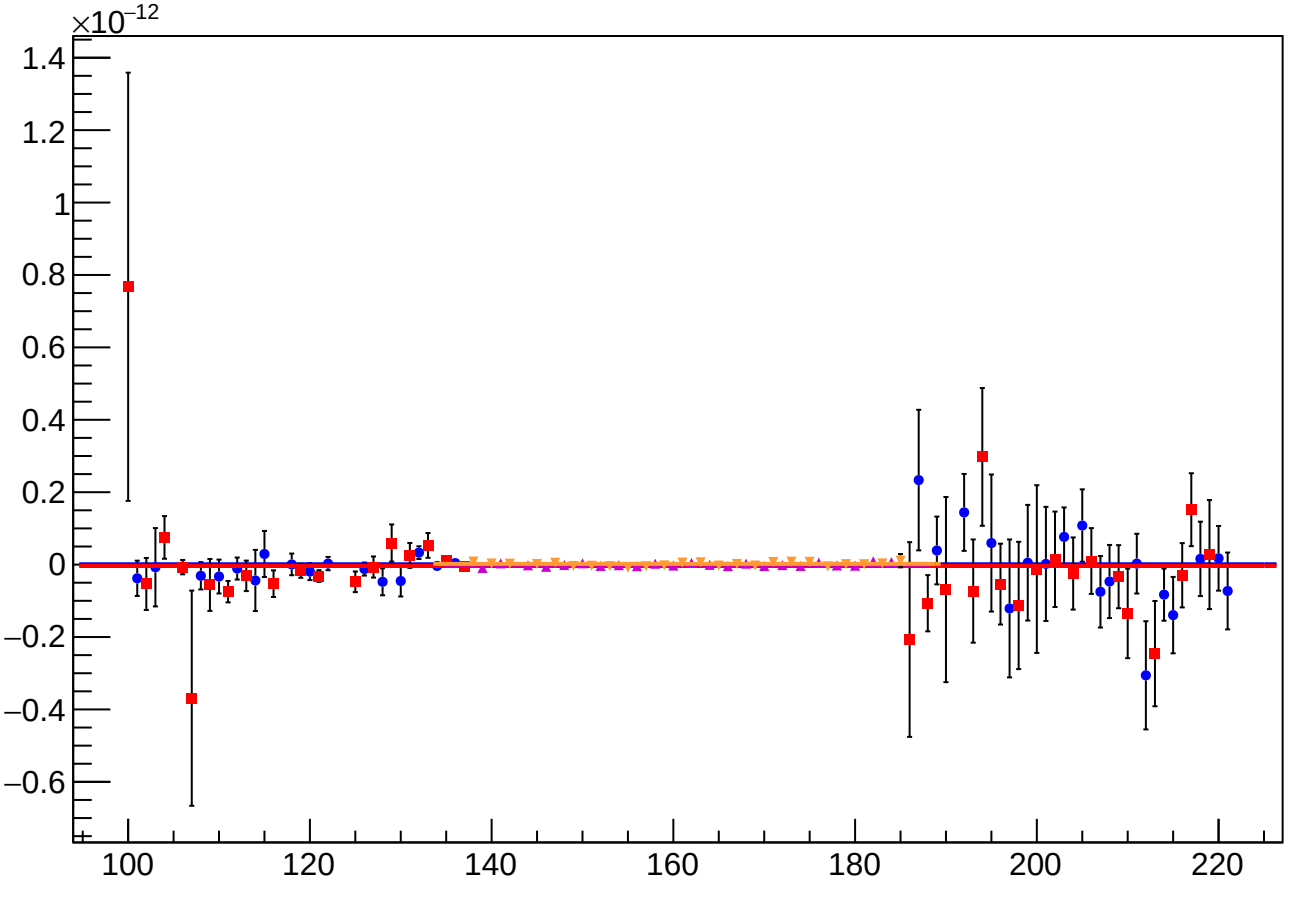
Right: 52.042+/-0.006 χ^2/NDF: 7220308.8/68

In: 45.688+/-0.006 χ^2/NDF:5486619.7/56

Out: 44.755+/-0.006 χ^2/NDF:6032537.1/58

All: 45.224+/-0.004 χ^2/NDF: 11532416.0/115

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: 41.2/34

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

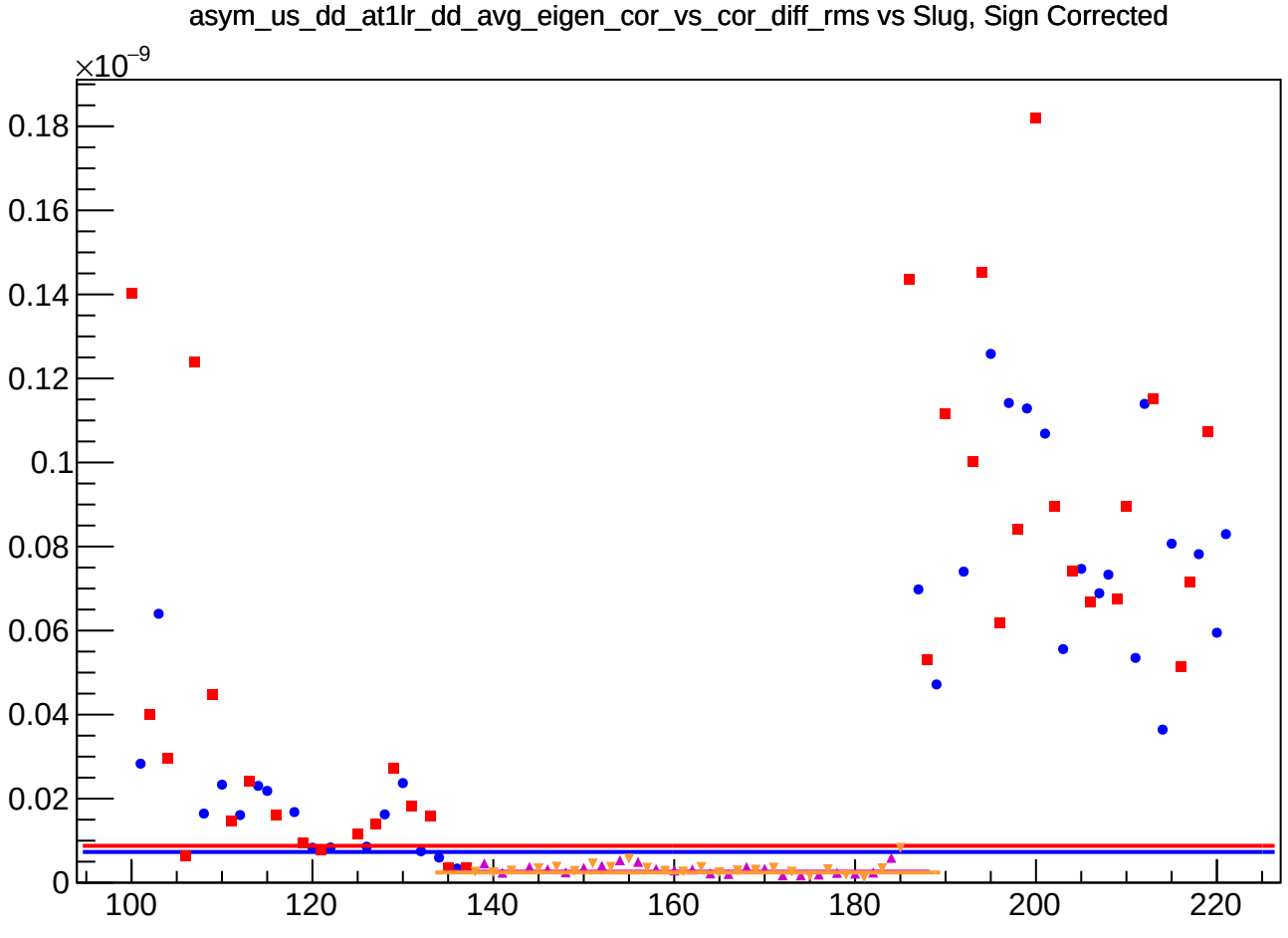
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

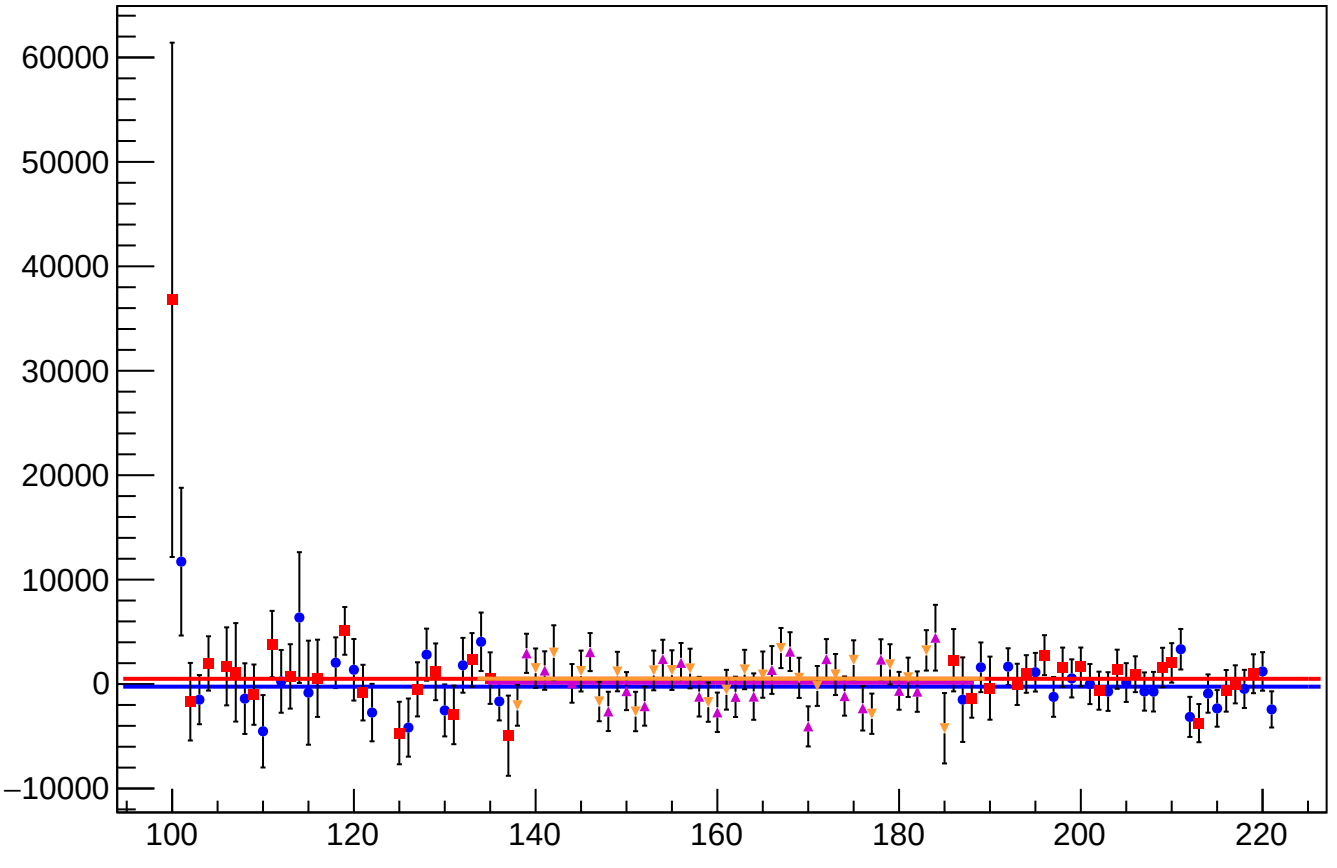
Right: -0.000+/-0.000 χ^2/NDF: 67.0/68

In: -0.000+/-0.000 χ^2/NDF:48.4/56

Out: 0.000+/-0.000 χ^2/NDF:67.9/58

All: 0.000+/-0.000 χ^2/NDF: 119.5/115


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 16865988.5/33
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 16726885.3/34
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 33708520.7/68
In: 0.000+/-0.000 χ²/NDF:21613085.4/56
Out: 0.000+/-0.000 χ²/NDF:23086515.4/58
All: 0.000+/-0.000 χ²/NDF: 44773987.6/115



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: 503.291+/-391.568 χ^2/NDF: 27.1/34

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

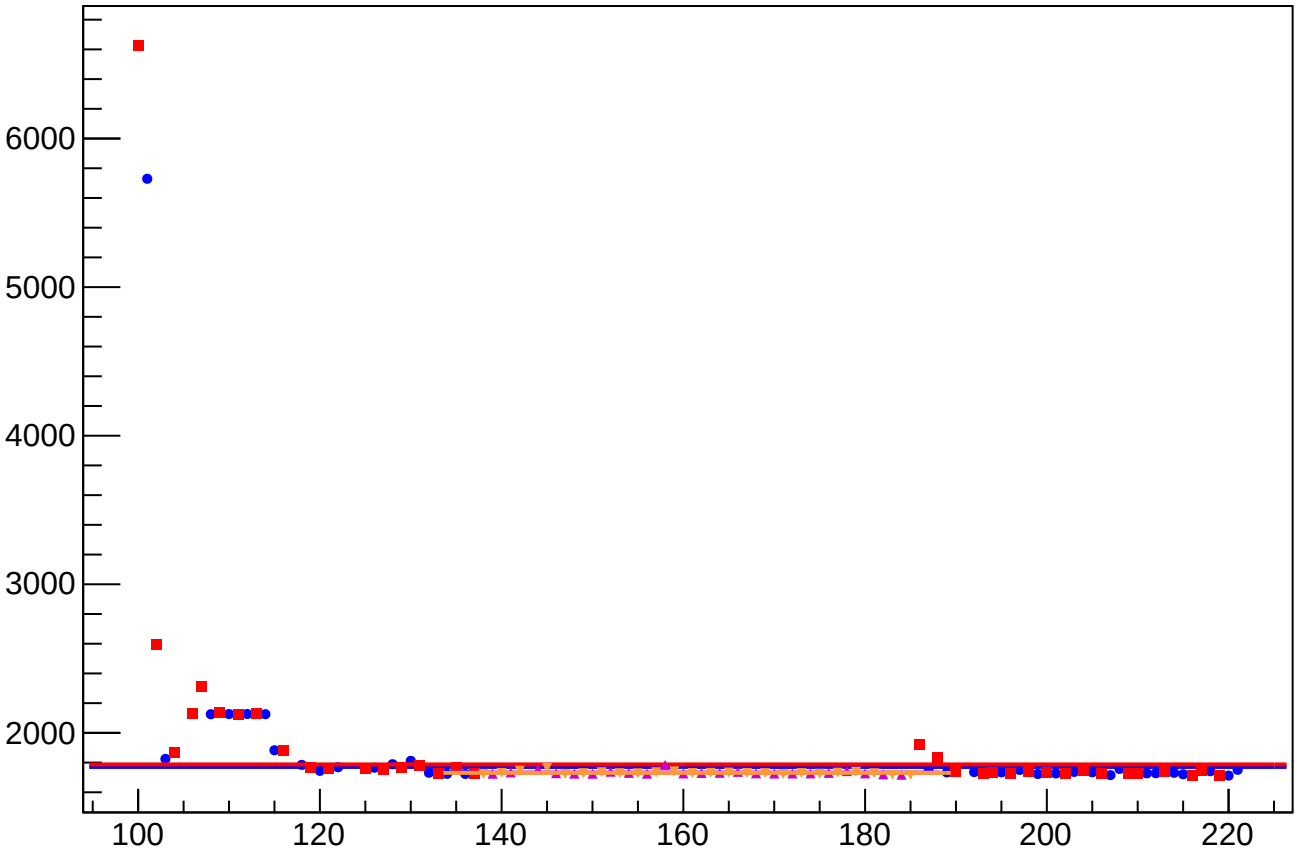
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 115.536+/-272.631 χ^2/NDF: 57.4/68

In: -73.492+/-276.928 χ^2/NDF:58.3/56

Out: 511.397+/-280.396 χ^2/NDF:47.9/58

All: 215.314+/-197.032 χ^2/NDF: 108.4/115



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: 1787.509+/-0.277 χ^2/NDF: 327769.5/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

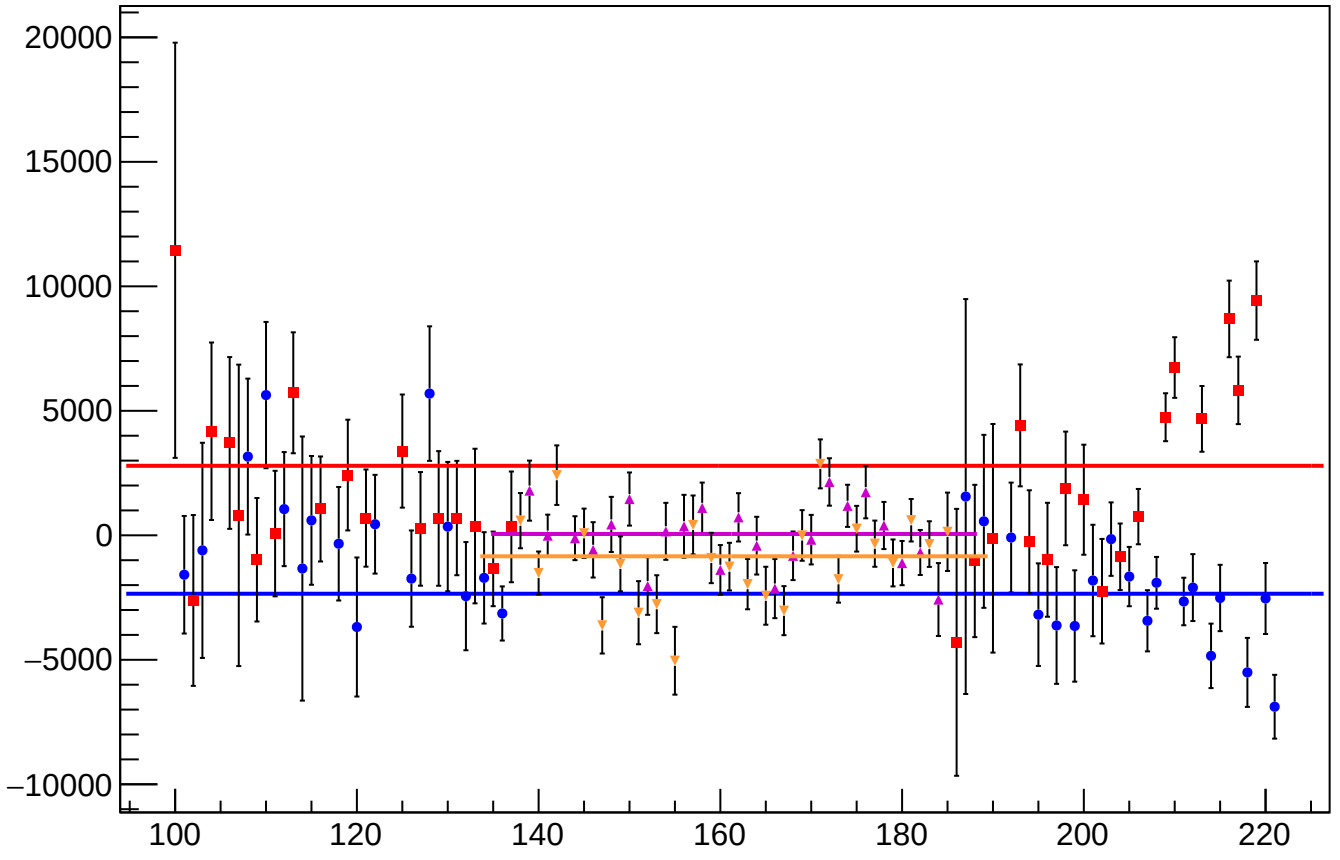
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1778.894+/-0.193 χ^2/NDF: 1053841.1/68

In: 1753.092+/-0.196 χ^2/NDF:735699.6/56

Out: 1759.902+/-0.198 χ^2/NDF:349144.1/58

All: 1756.455+/-0.139 χ^2/NDF: 1085441.0/11



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: 2792.112+/-326.105 χ^2/NDF: 103.2/34

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

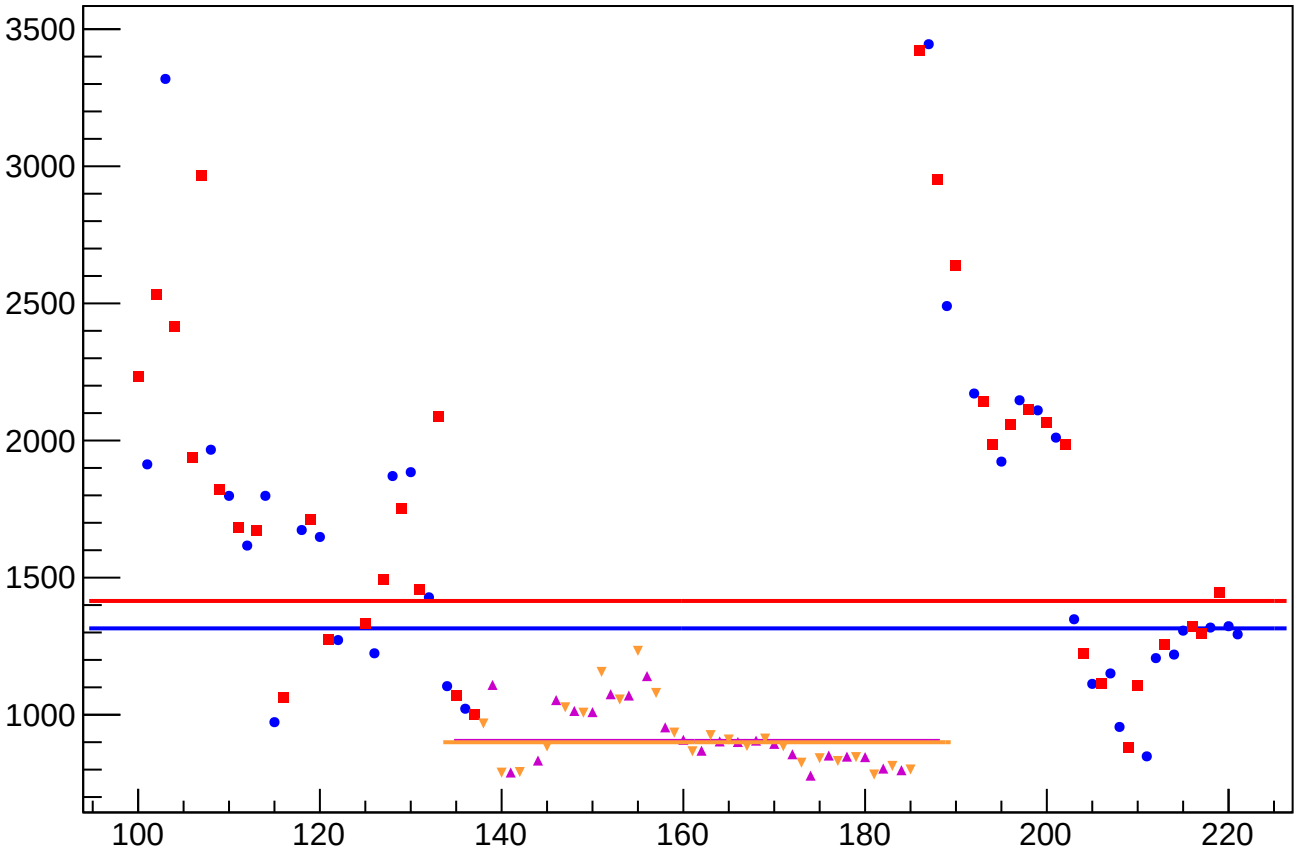
Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

Right: -47.543+/-218.131 χ^2/NDF: 296.4/68

In: -774.352+/-172.358 χ^2/NDF:130.4/56

Out: 229.074+/-177.064 χ^2/NDF:253.5/58

All: -286.150+/-123.506 χ^2/NDF: 400.4/115



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: 1414.969+/-0.231 χ^2/NDF: 3976970.6/34

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

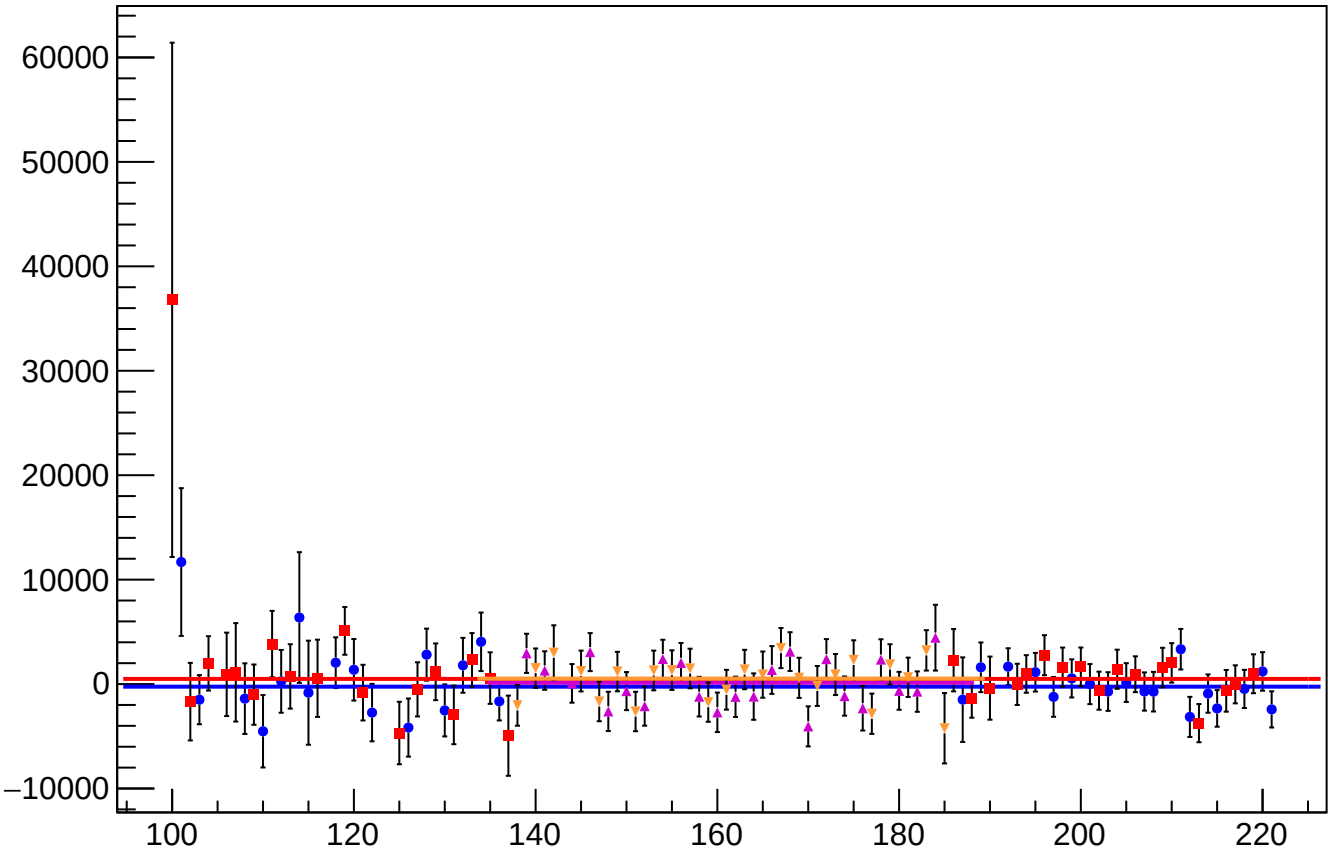
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1359.756+/-0.154 χ^2/NDF: 7689310.2/68

In: 1046.241+/-0.122 χ^2/NDF:6623123.4/56

Out: 1051.686+/-0.125 χ^2/NDF:7991952.0/58

All: 1048.890+/-0.087 χ^2/NDF: 14616046.6/1



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: 494.409+/-391.838 χ^2/NDF: 27.0/34

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

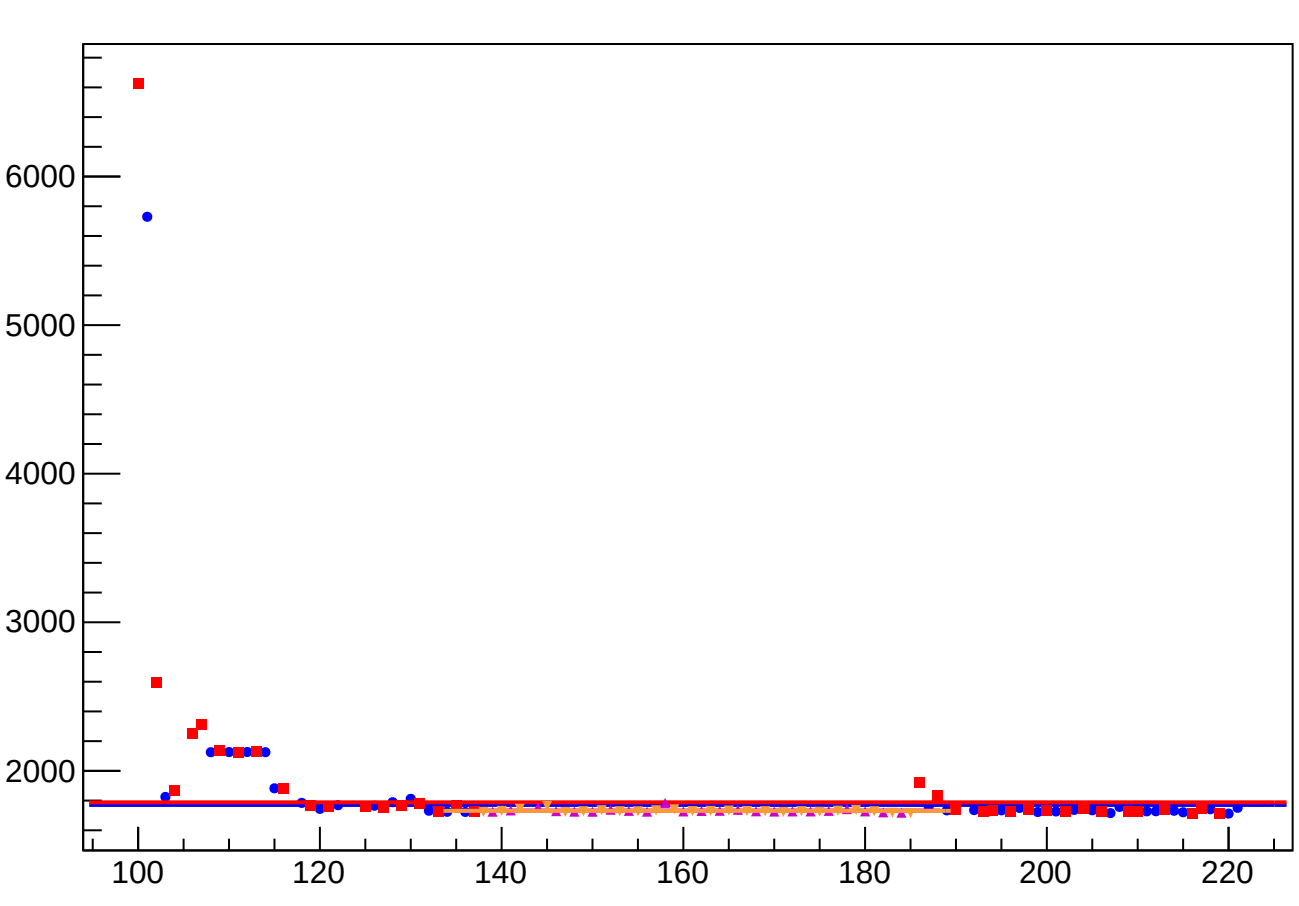
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 110.826+/-272.722 χ^2/NDF: 57.3/68

In: -73.617+/-276.928 χ^2/NDF:58.3/56

Out: 506.865+/-280.495 χ^2/NDF:47.8/58

All: 212.910+/-197.067 χ^2/NDF: 108.3/115



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: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

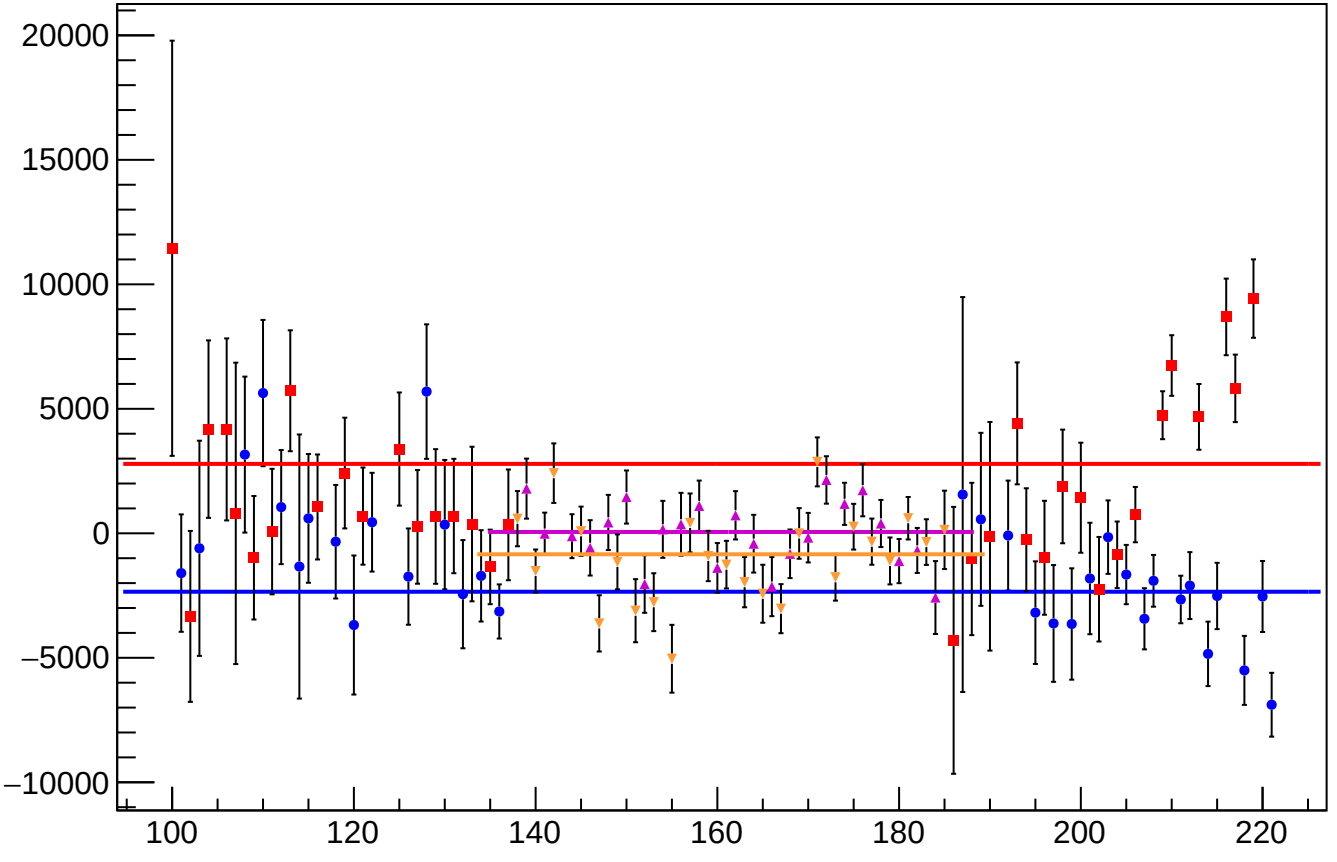
Right: 1779.202+/-0.193 χ^2/NDF: 1063644.9/68

In: 1753.092+/-0.196 χ^2/NDF:735699.4/56

Out: 1760.214+/-0.198 χ^2/NDF:359256.2/58

All: 1756.608+/-0.139 χ^2/NDF: 1095608.6/11

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: 2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

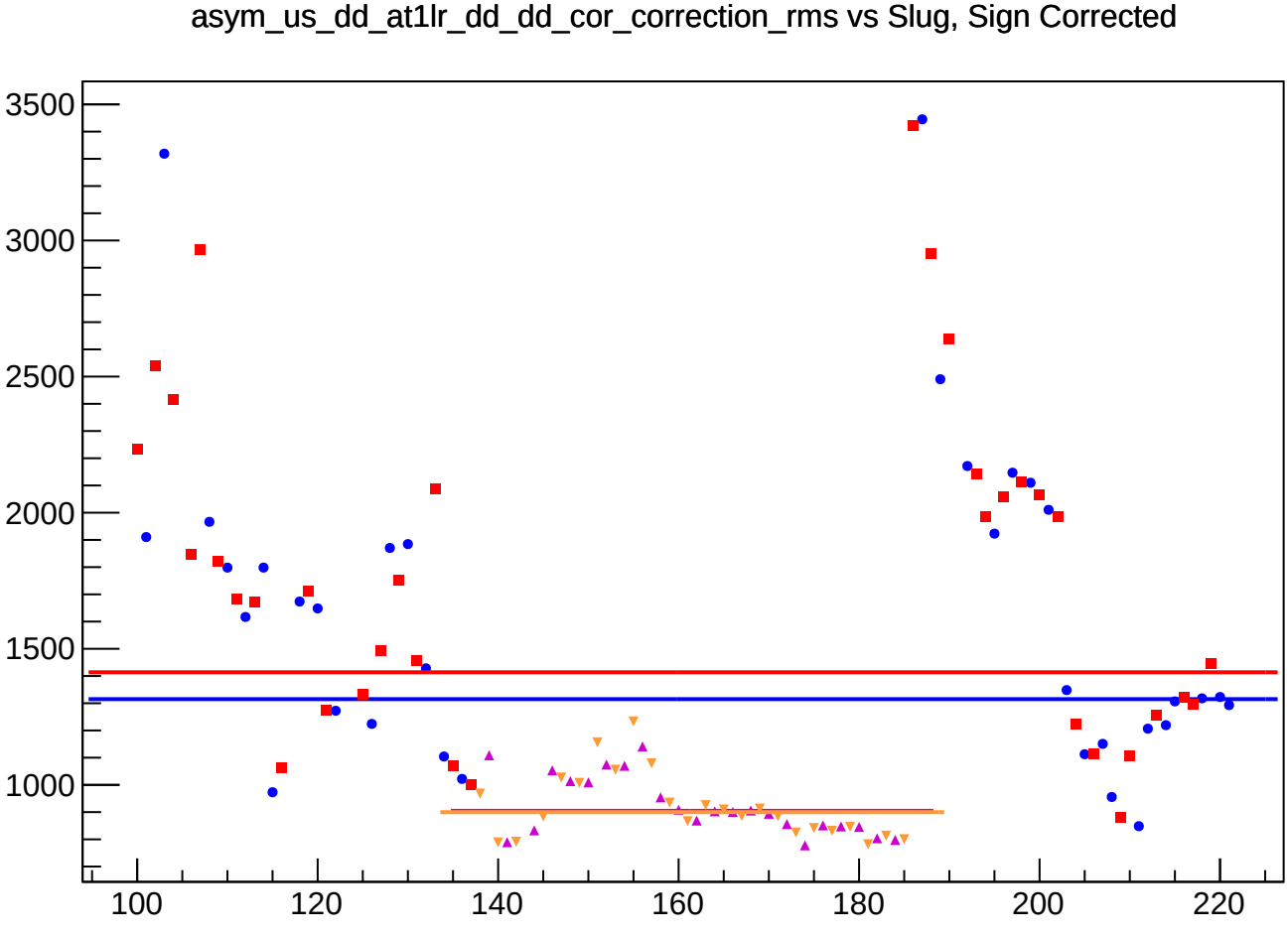
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -50.581+/-218.176 χ^2/NDF: 296.9/68

In: -774.421+/-172.356 χ^2/NDF:130.4/56

Out: 227.235+/-177.090 χ^2/NDF:254.1/58

All: -287.159+/-123.514 χ^2/NDF: 400.9/115



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: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

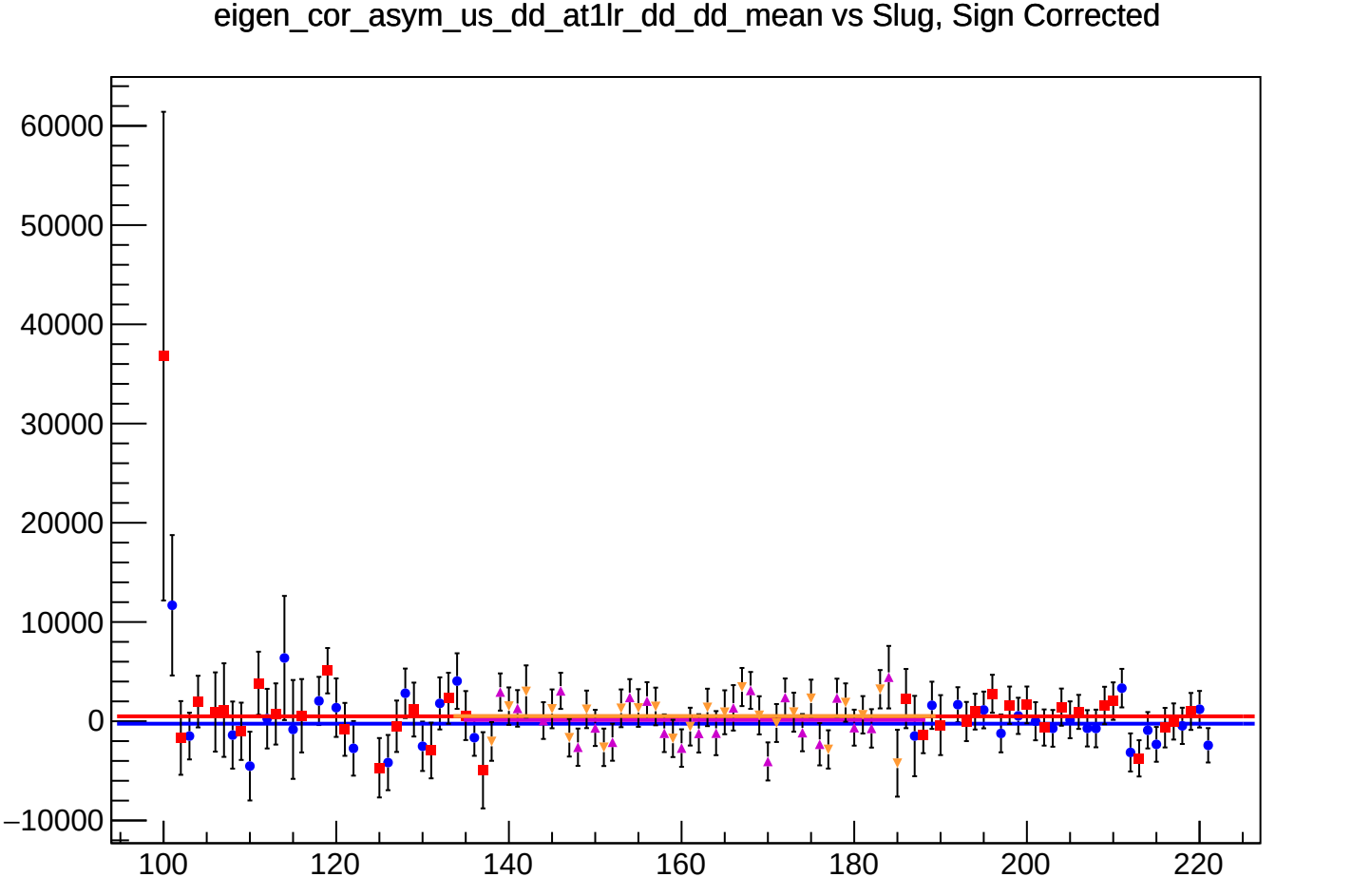
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1359.173+/-0.154 χ^2/NDF: 7669749.9/68

In: 1046.236+/-0.122 χ^2/NDF:6622337.6/56

Out: 1051.224+/-0.125 χ^2/NDF:7956385.7/58

All: 1048.662+/-0.087 χ^2/NDF: 14579538.0/1



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: 494.409+/-391.838 χ^2/NDF: 27.0/34

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

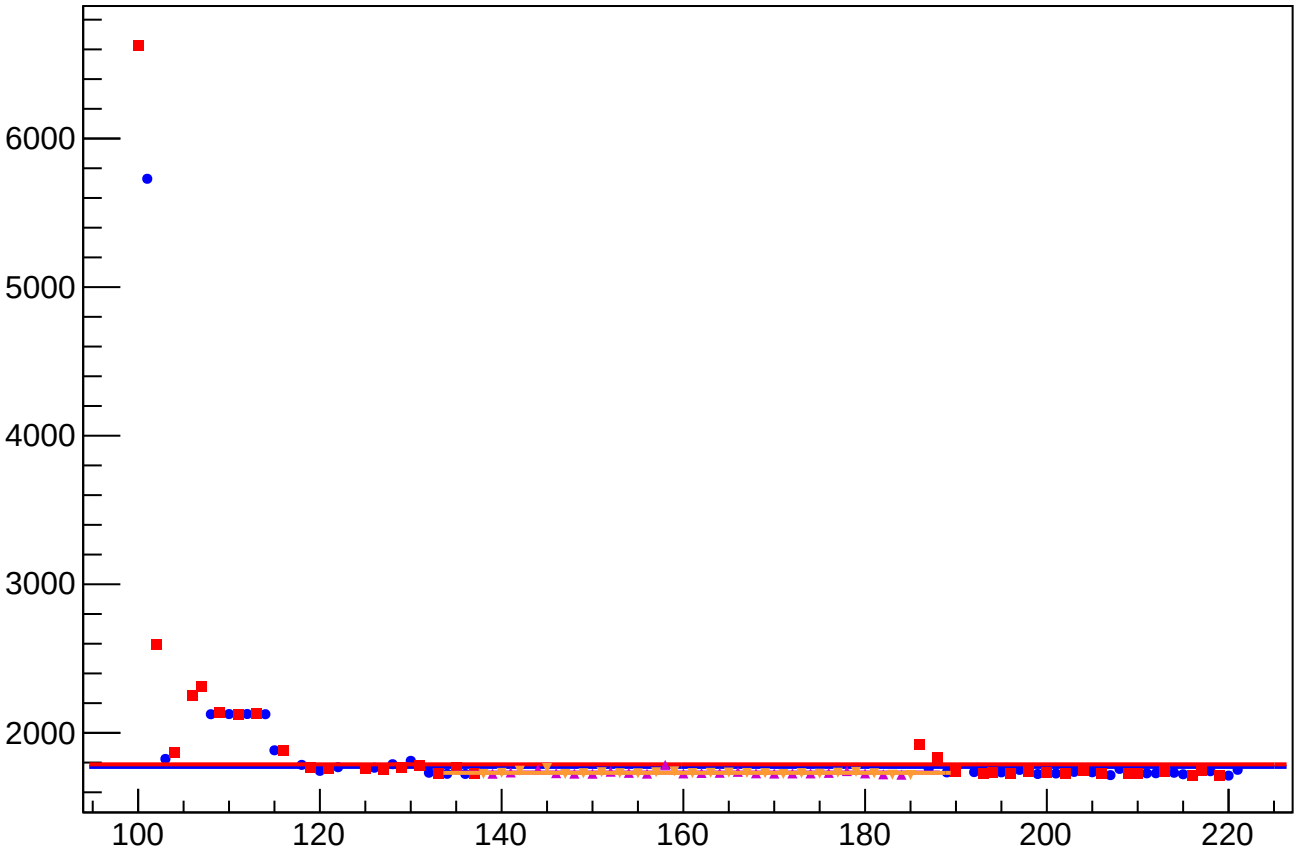
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 110.826+/-272.722 χ^2/NDF: 57.3/68

In: -73.617+/-276.928 χ^2/NDF:58.3/56

Out: 506.865+/-280.495 χ^2/NDF:47.8/58

All: 212.910+/-197.067 χ^2/NDF: 108.3/115



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: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

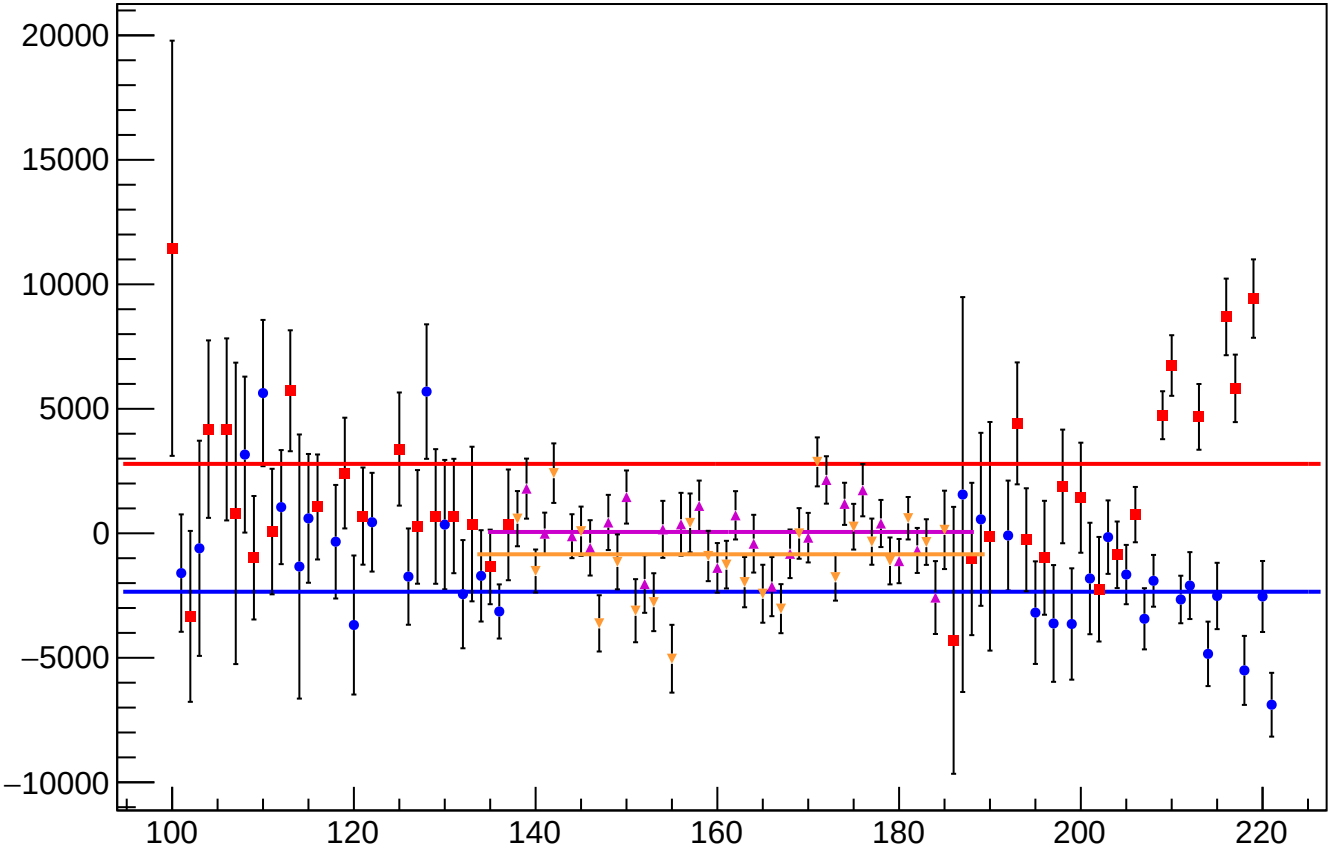
Right: 1779.202+/-0.193 χ^2/NDF: 1063644.9/68

In: 1753.092+/-0.196 χ^2/NDF:735699.4/56

Out: 1760.214+/-0.198 χ^2/NDF:359256.2/58

All: 1756.608+/-0.139 χ^2/NDF: 1095608.6/1

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: 2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

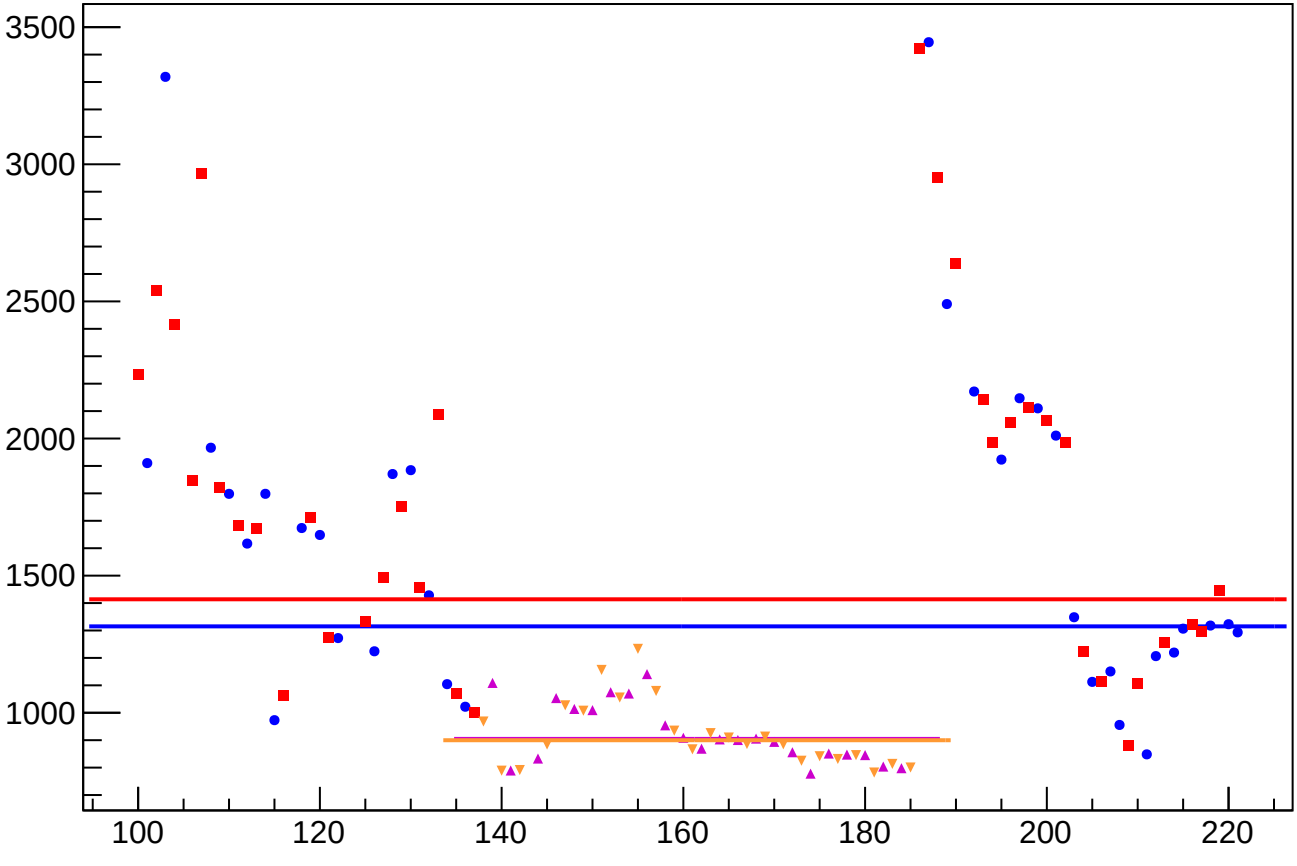
Right: -50.581+/-218.176 χ^2/NDF: 296.9/68

In: -774.421+/-172.356 χ^2/NDF:130.4/56

Out: 227.235+/-177.090 χ^2/NDF:254.1/58

All: -287.159+/-123.514 χ^2/NDF: 400.9/115

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: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

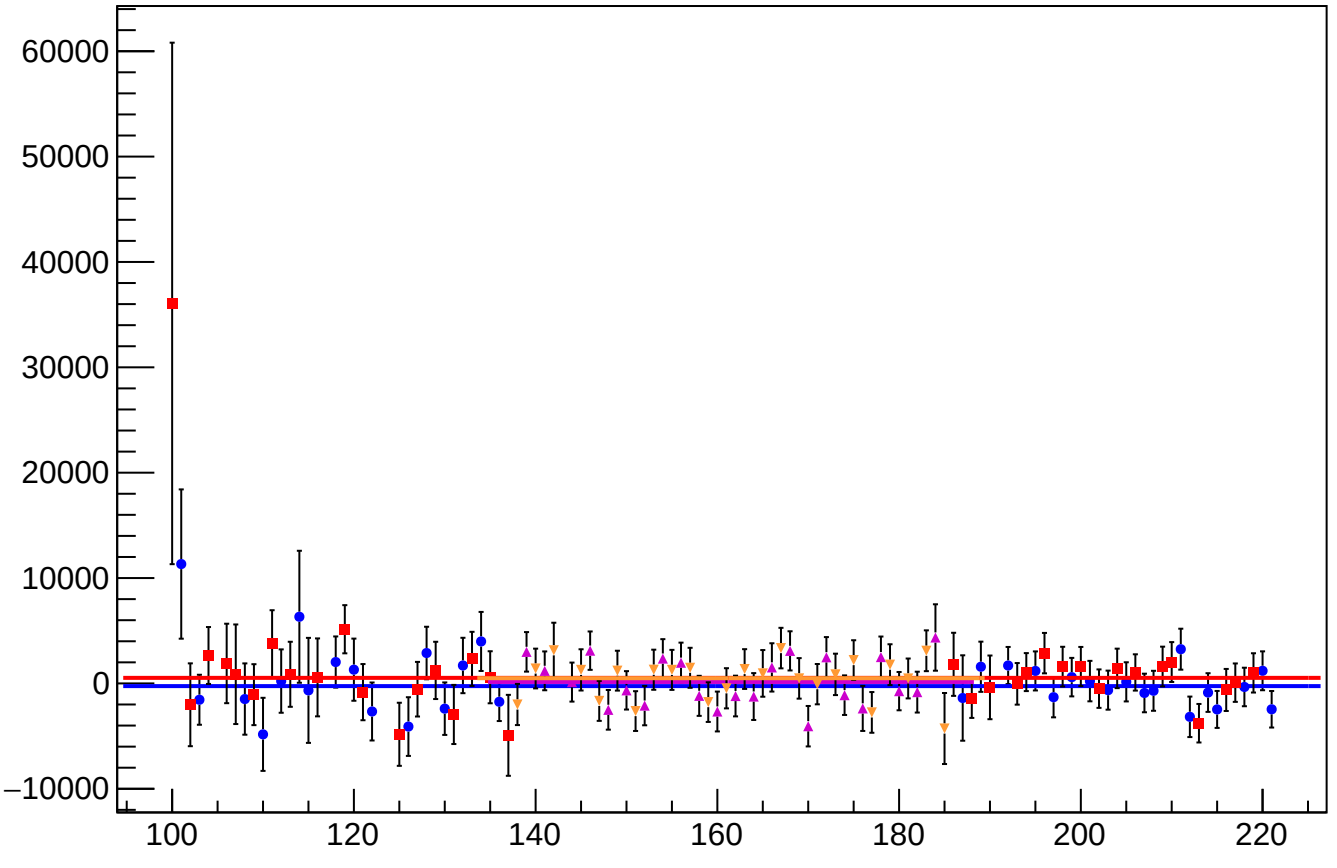
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1359.173+/-0.154 χ^2/NDF: 7669749.9/68

In: 1046.236+/-0.122 χ^2/NDF:6622337.6/56

Out: 1051.224+/-0.125 χ^2/NDF:7956385.7/58

All: 1048.662+/-0.087 χ^2/NDF: 14579538.0/1



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: 526.975+/-392.552 χ^2/NDF: 27.7/34

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

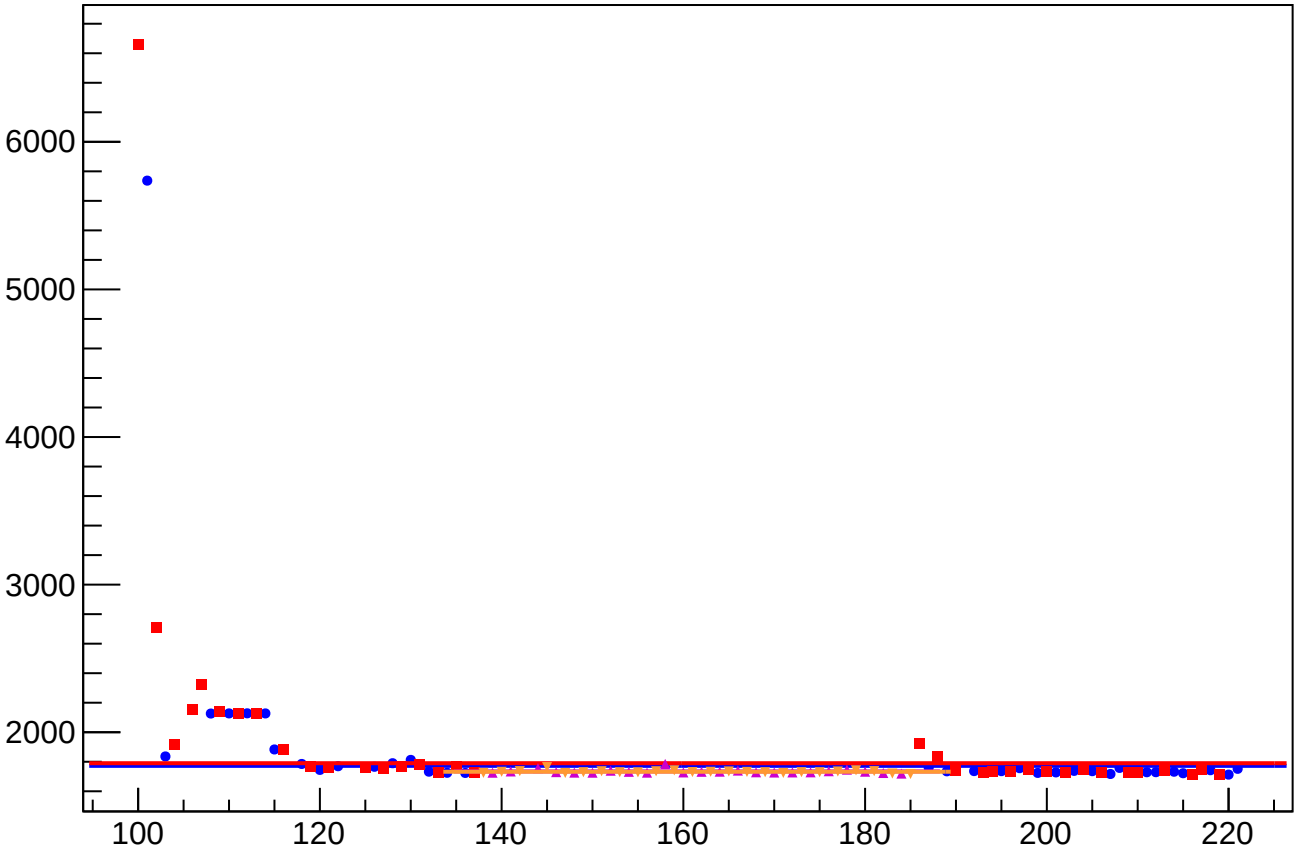
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 123.354+/-273.093 χ^2/NDF: 58.2/68

In: -71.415+/-277.181 χ^2/NDF:58.5/56

Out: 511.320+/-280.880 χ^2/NDF:47.7/58

All: 216.090+/-197.292 χ^2/NDF: 108.5/115



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: 1790.204+/-0.278 χ^2/NDF: 348476.3/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

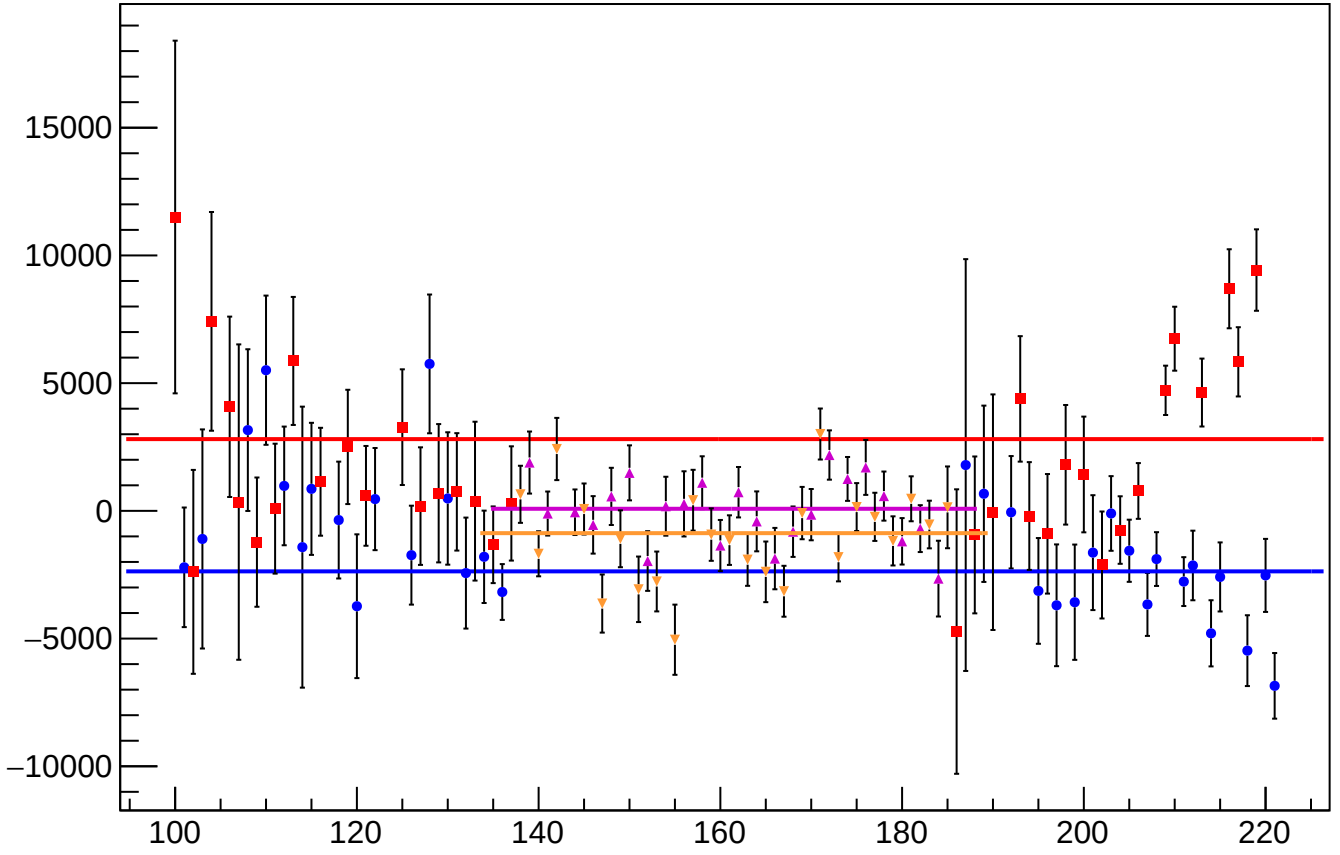
Right: 1780.981+/-0.193 χ^2/NDF: 1075428.4/68

In: 1754.643+/-0.196 χ^2/NDF:736272.2/56

Out: 1761.989+/-0.199 χ^2/NDF:370558.8/58

All: 1758.267+/-0.140 χ^2/NDF: 1107524.1/11

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: 2808.970+/-328.536 χ^2/NDF: 101.9/34

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

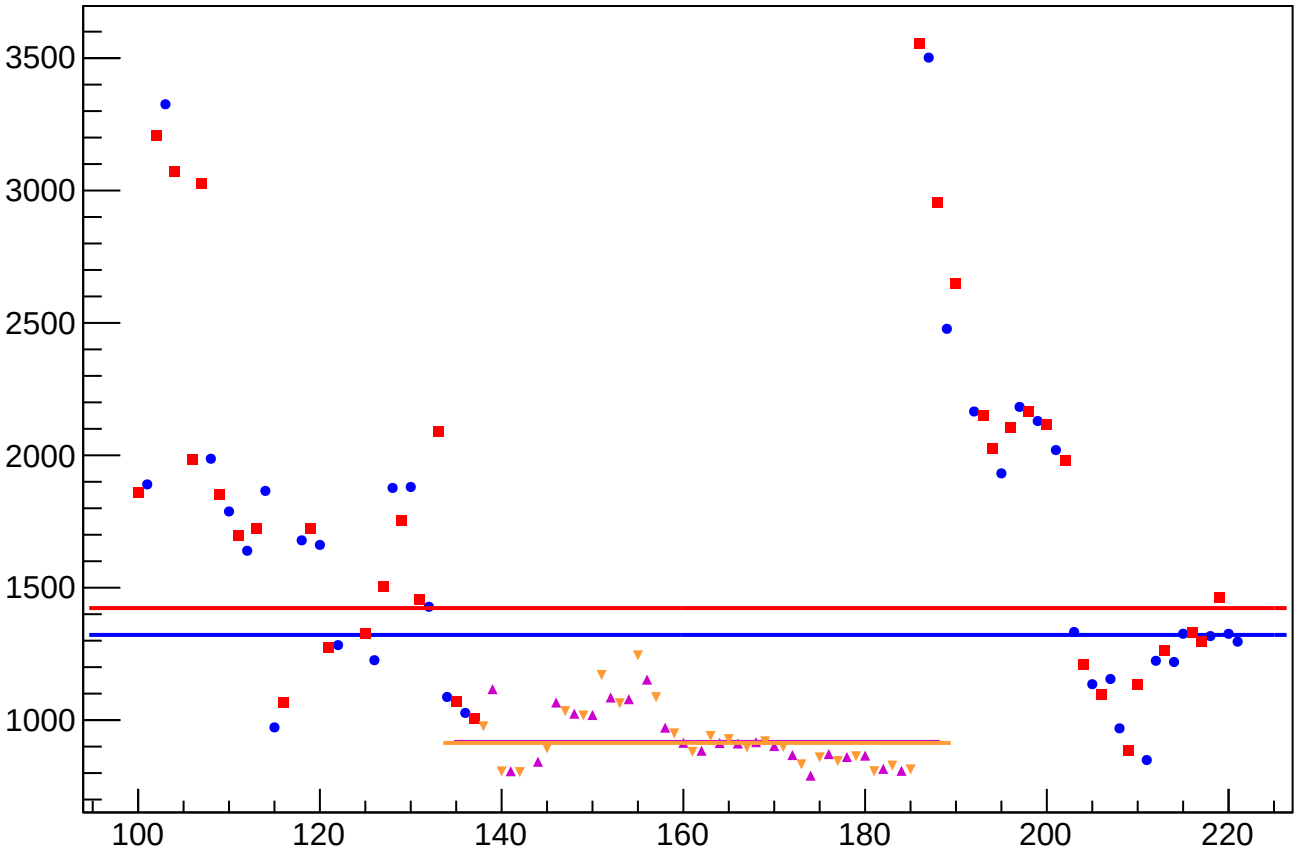
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -58.762+/-219.446 χ^2/NDF: 295.5/68

In: -773.743+/-174.206 χ^2/NDF:131.0/56

Out: 224.019+/-179.319 χ^2/NDF:252.1/58

All: -289.290+/-124.950 χ^2/NDF: 399.0/115



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: 1423.085+/-0.232 χ^2/NDF: 4399501.0/34

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

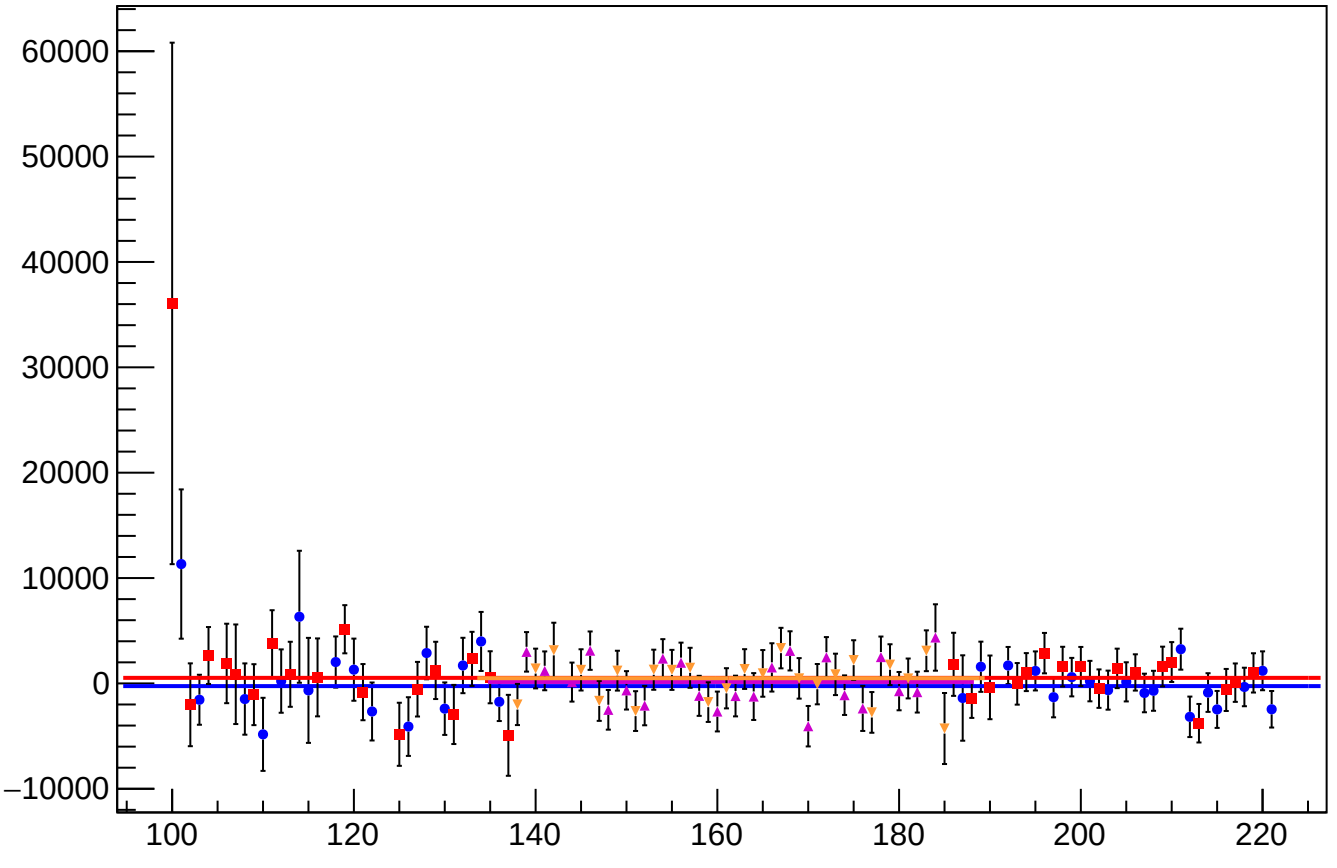
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1366.948+/-0.155 χ^2/NDF: 8104468.5/68

In: 1058.698+/-0.123 χ^2/NDF:6474603.1/56

Out: 1065.591+/-0.127 χ^2/NDF:8235306.2/58

All: 1062.045+/-0.088 χ^2/NDF: 14711429.6/1



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: 526.970+/-392.552 χ^2/NDF: 27.7/34

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

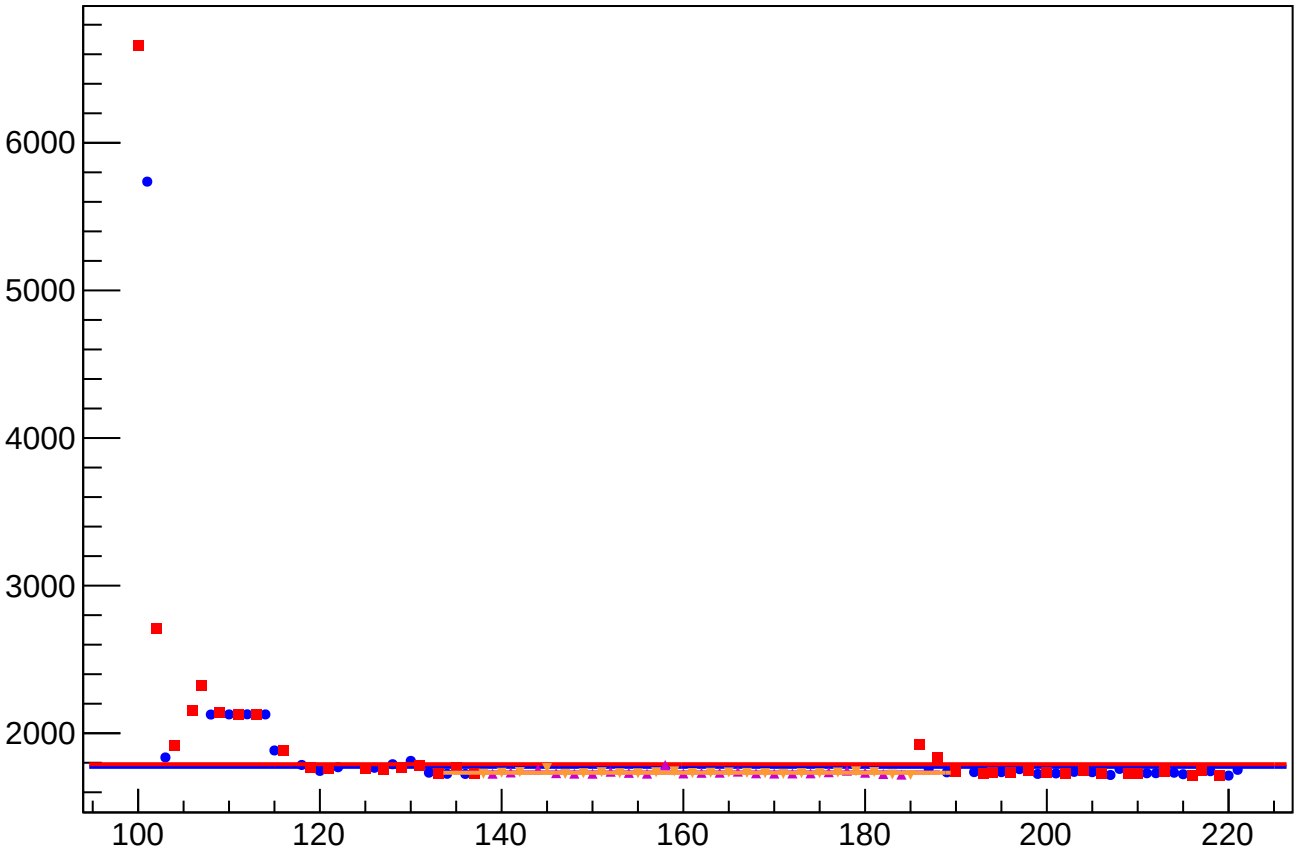
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 123.353+/-273.093 χ^2/NDF: 58.2/68

In: -71.413+/-277.181 χ^2/NDF:58.5/56

Out: 511.318+/-280.880 χ^2/NDF:47.7/58

All: 216.090+/-197.292 χ^2/NDF: 108.5/115



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: 1790.204+/-0.278 χ^2/NDF: 348476.0/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

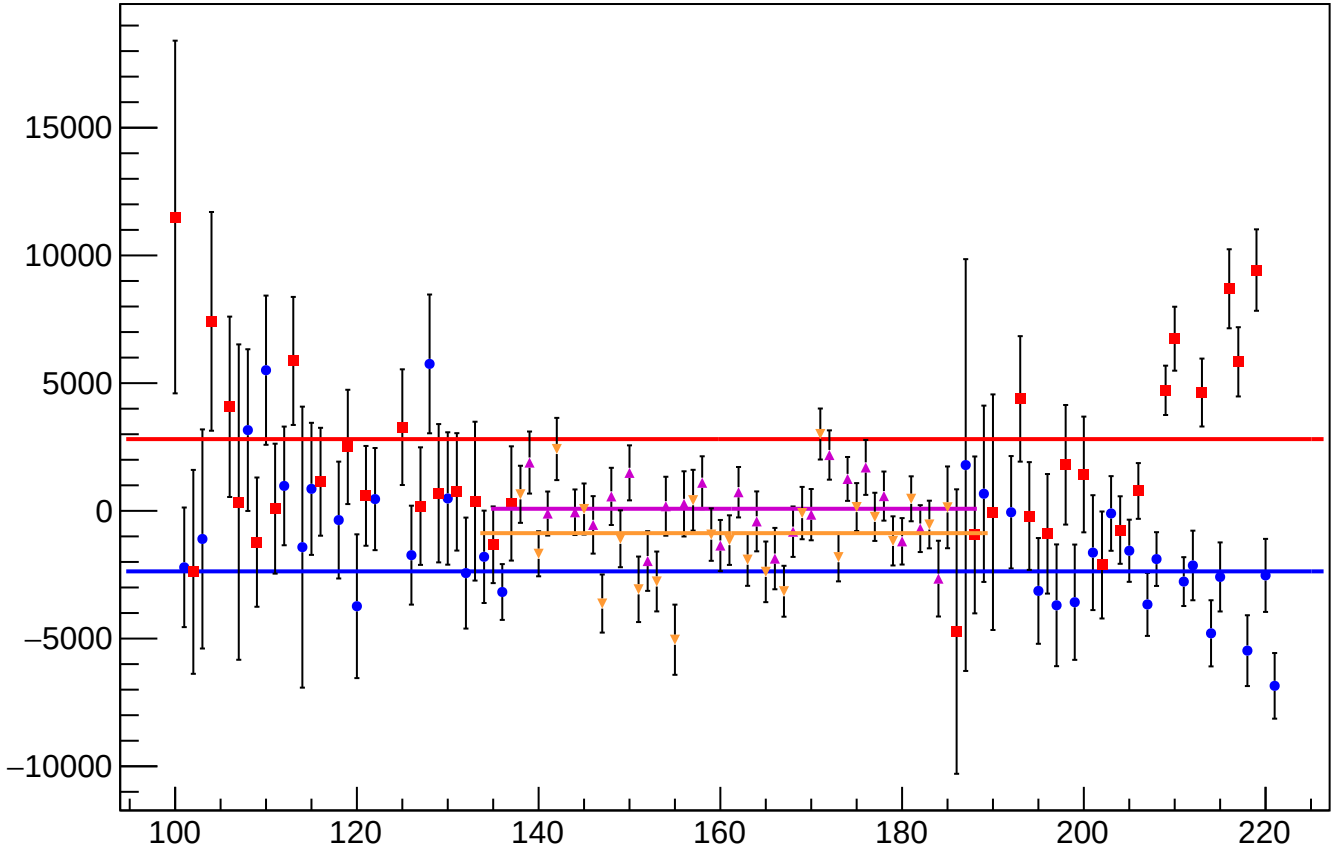
Right: 1780.981+/-0.193 χ^2/NDF: 1075428.1/68

In: 1754.643+/-0.196 χ^2/NDF:736272.2/56

Out: 1761.989+/-0.199 χ^2/NDF:370558.6/58

All: 1758.267+/-0.140 χ^2/NDF: 1107523.8/11

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: 2808.971+/-328.535 χ^2/NDF: 101.9/34

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

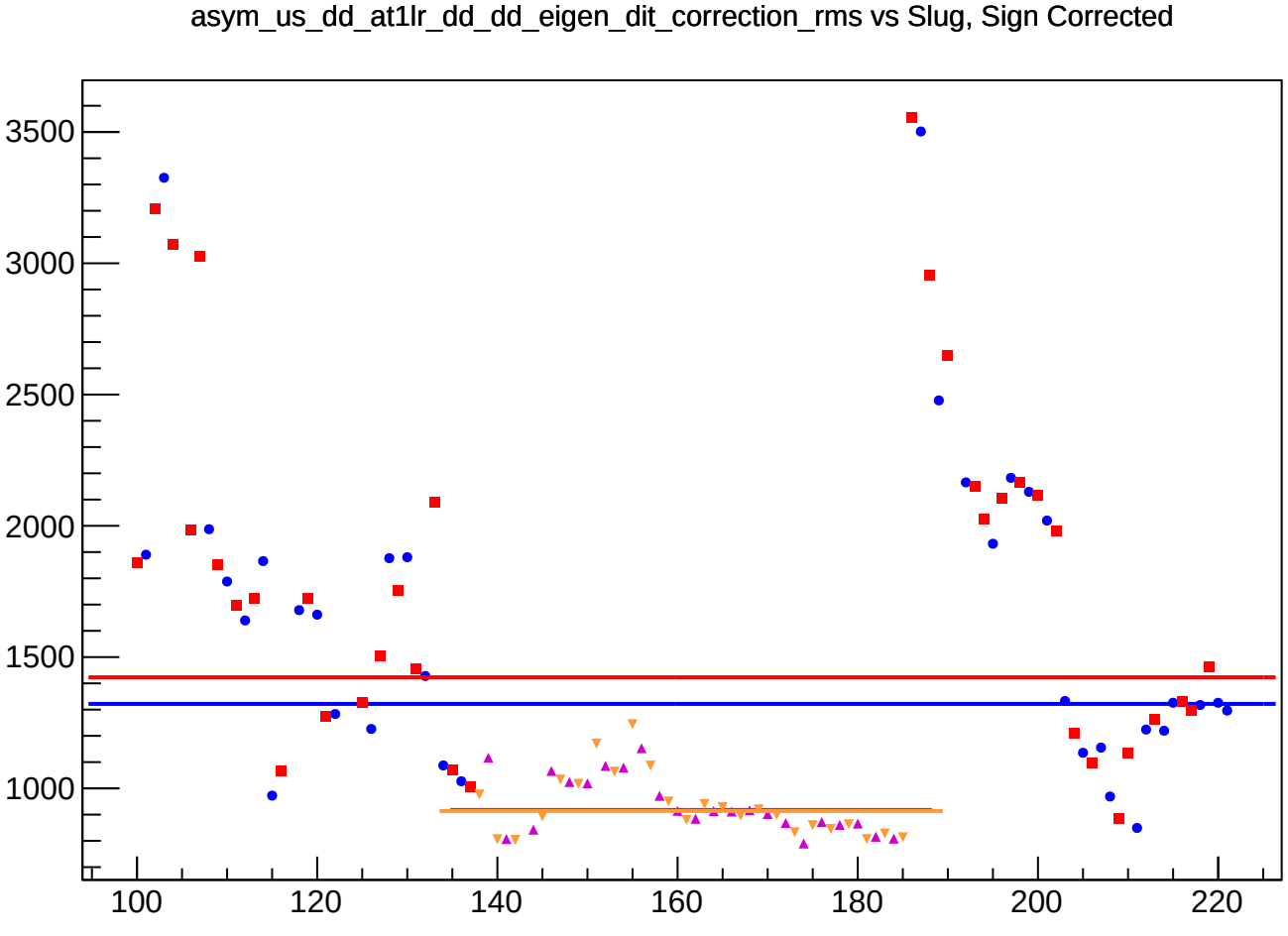
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

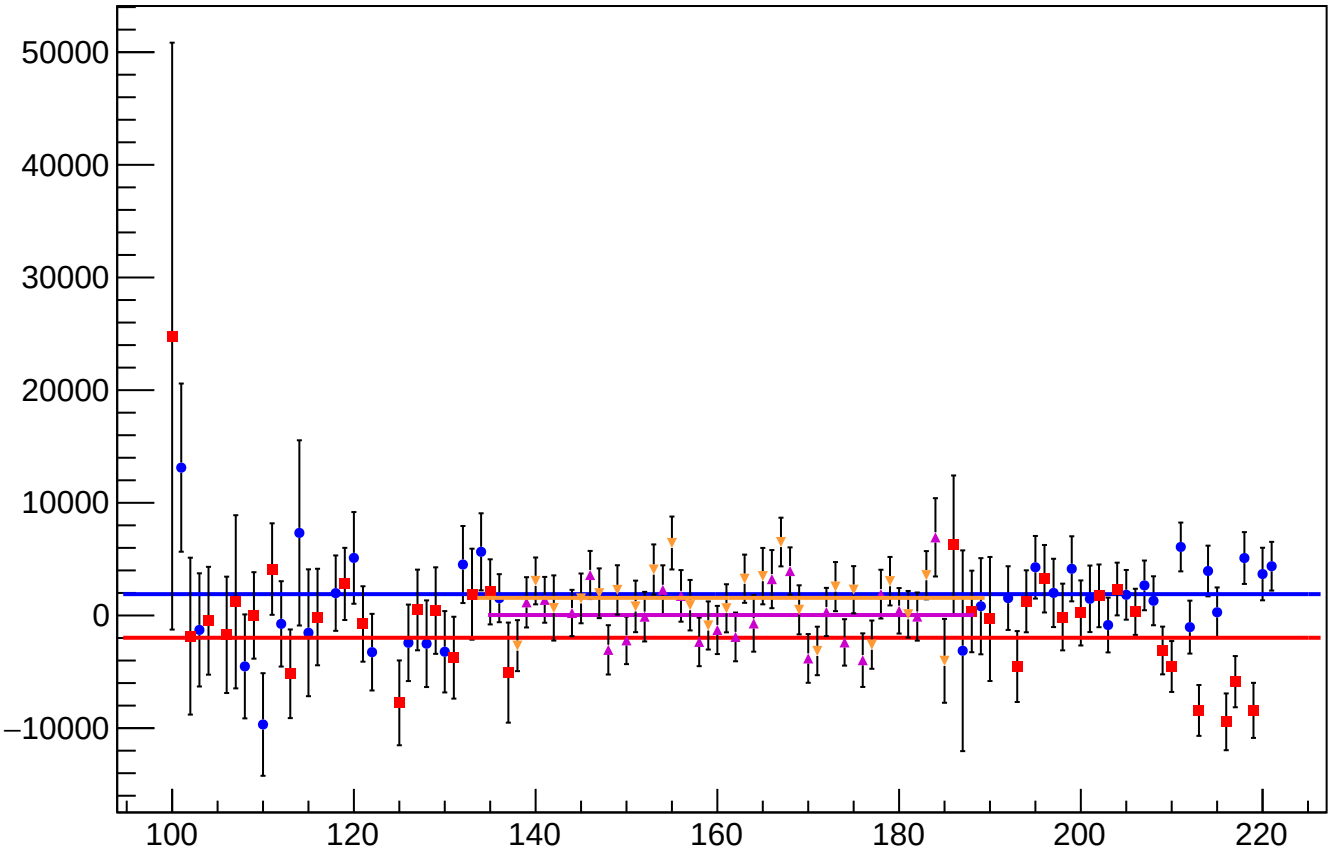
Right: -58.757+/-219.445 χ^2/NDF: 295.5/68

In: -773.744+/-174.205 χ^2/NDF:131.0/56

Out: 224.023+/-179.319 χ^2/NDF:252.1/58

All: -289.288+/-124.950 χ^2/NDF: 399.0/115


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 1321.725+/-0.209 χ²/NDF: 3599531.0/33
Left Out: 913.898+/-0.151 χ²/NDF:462858.6/23
Right Out: 1423.082+/-0.232 χ²/NDF: 4399517.5/34
Left In: 917.674+/-0.153 χ²/NDF:430509.1/22
Left: 915.769+/-0.107 χ²/NDF: 893676.2/46
Right: 1366.946+/-0.155 χ²/NDF: 8104476.8/68
In: 1058.697+/-0.123 χ²/NDF:6474600.3/56
Out: 1065.590+/-0.127 χ²/NDF:8235306.1/58
All: 1062.044+/-0.088 χ²/NDF: 14711426.6/1



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: -1978.321+/-536.293 χ^2/NDF: 57.1/34

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

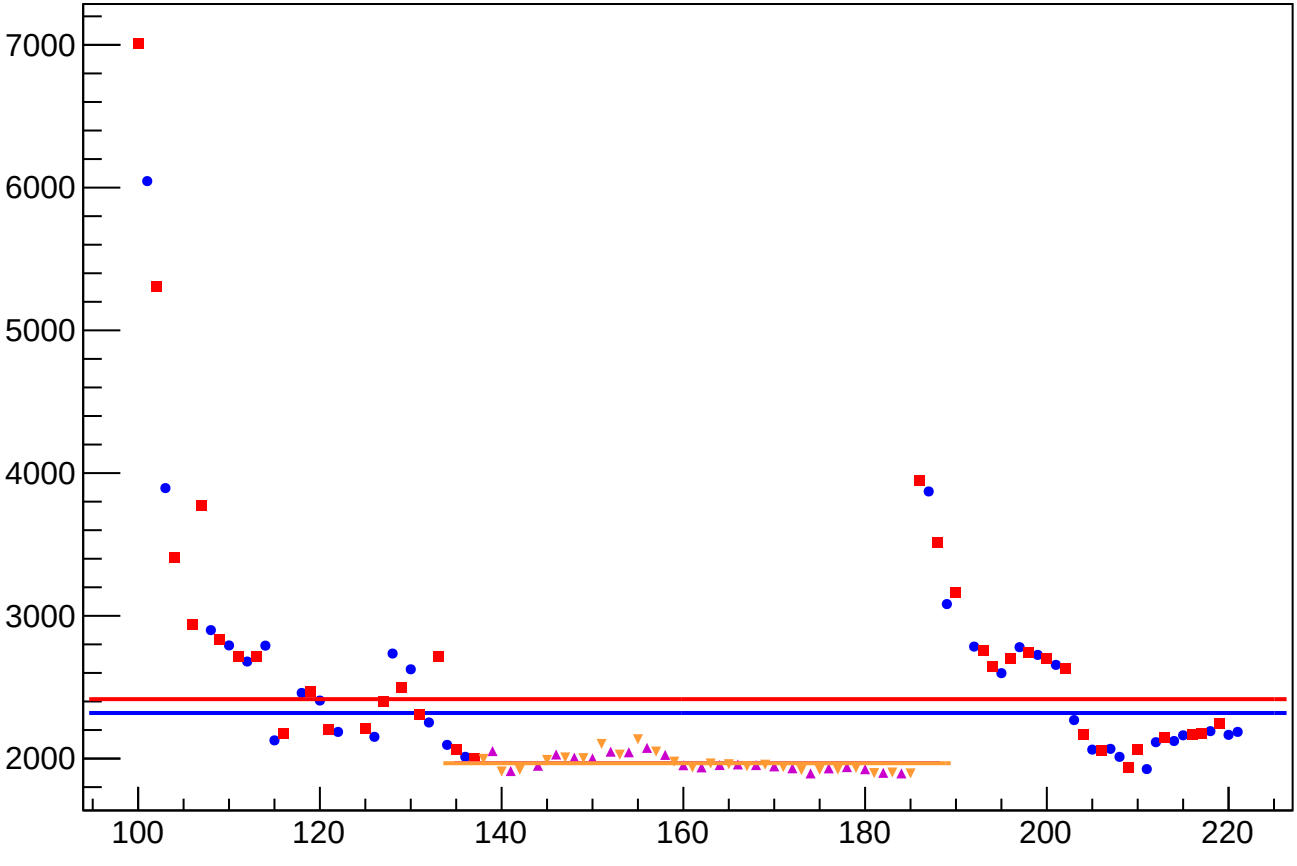
Right: 85.605+/-366.483 χ^2/NDF: 120.7/68

In: 885.998+/-339.115 χ^2/NDF:71.0/56

Out: 72.737+/-347.786 χ^2/NDF:113.6/58

All: 489.632+/-242.798 χ^2/NDF: 187.4/115

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



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: 2416.256+/-0.379 χ^2/NDF: 1472757.7/34

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

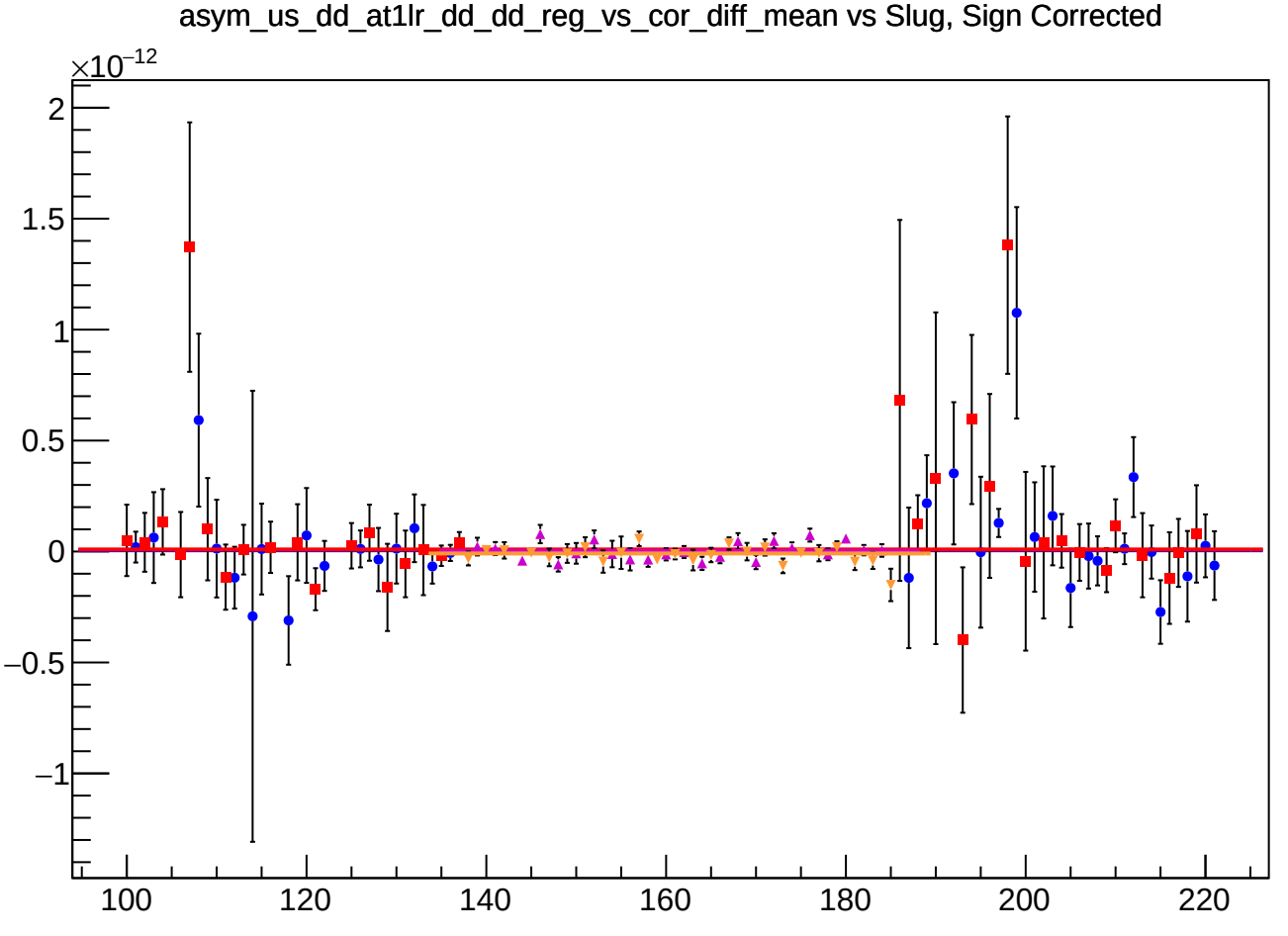
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2364.592+/-0.259 χ^2/NDF: 2917290.8/68

In: 2128.894+/-0.240 χ^2/NDF:1965716.7/56

Out: 2156.177+/-0.246 χ^2/NDF:2318732.3/58

All: 2142.191+/-0.172 χ^2/NDF: 4290758.2/11



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: 27.3/34

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

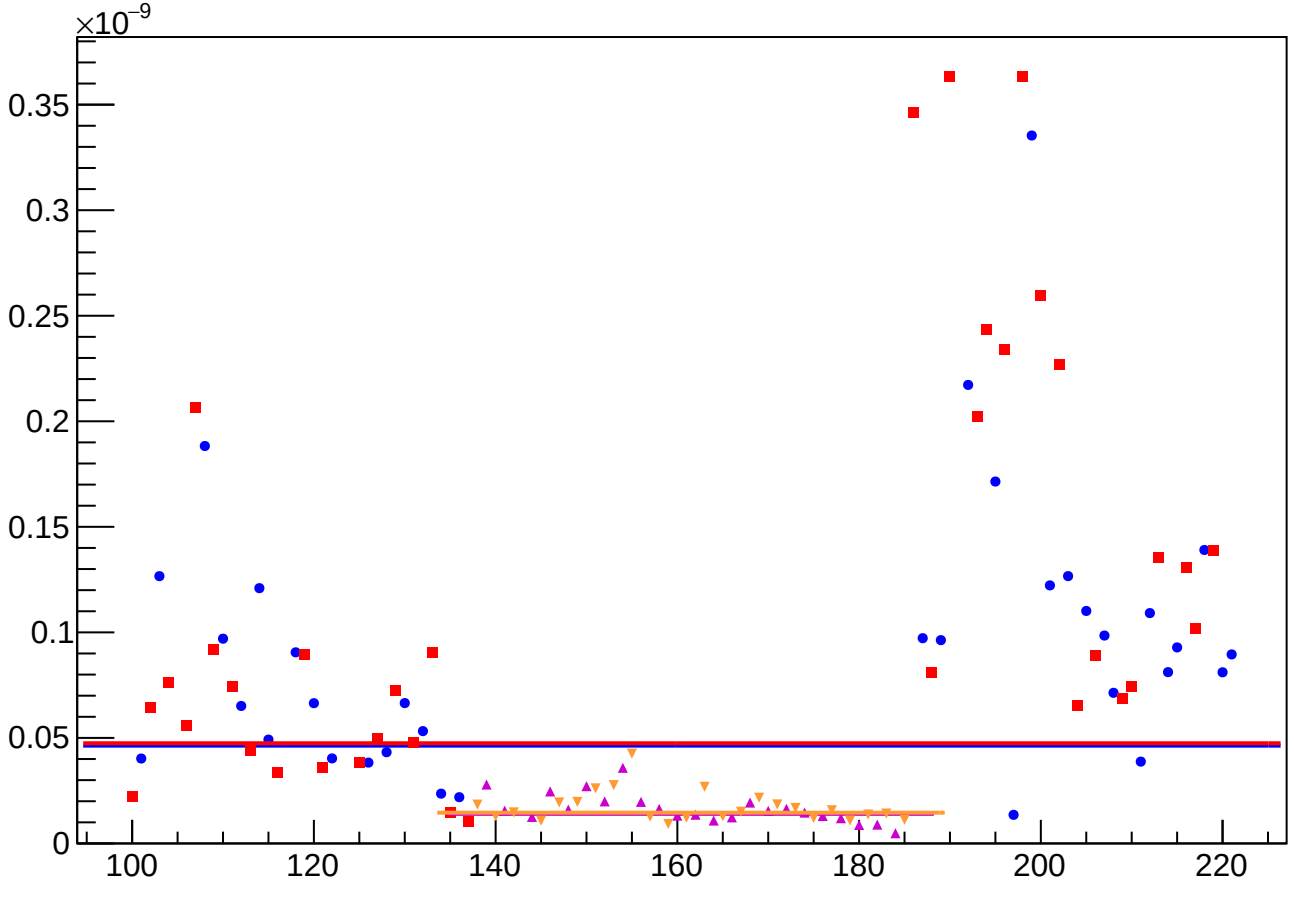
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 55.5/68

In: 0.000+/-0.000 χ^2/NDF:67.2/56

Out: -0.000+/-0.000 χ^2/NDF:48.7/58

All: -0.000+/-0.000 χ^2/NDF: 117.3/115



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: 8577625.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

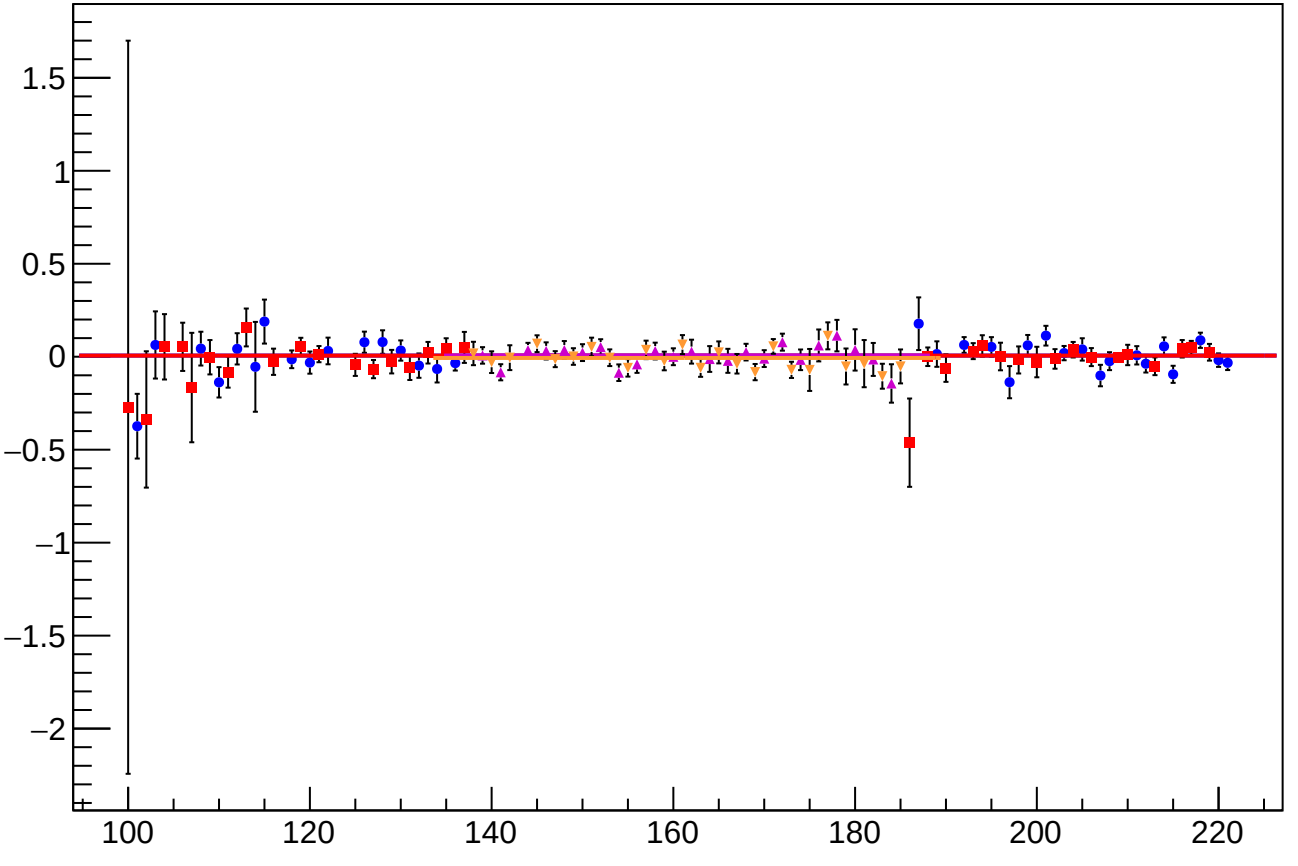
Right: 0.000+/-0.000 χ^2/NDF: 15246279.2/68

In: 0.000+/-0.000 χ^2/NDF:13076092.3/56

Out: 0.000+/-0.000 χ^2/NDF:14121225.9/58

All: 0.000+/-0.000 χ^2/NDF: 27198974.3/115

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+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

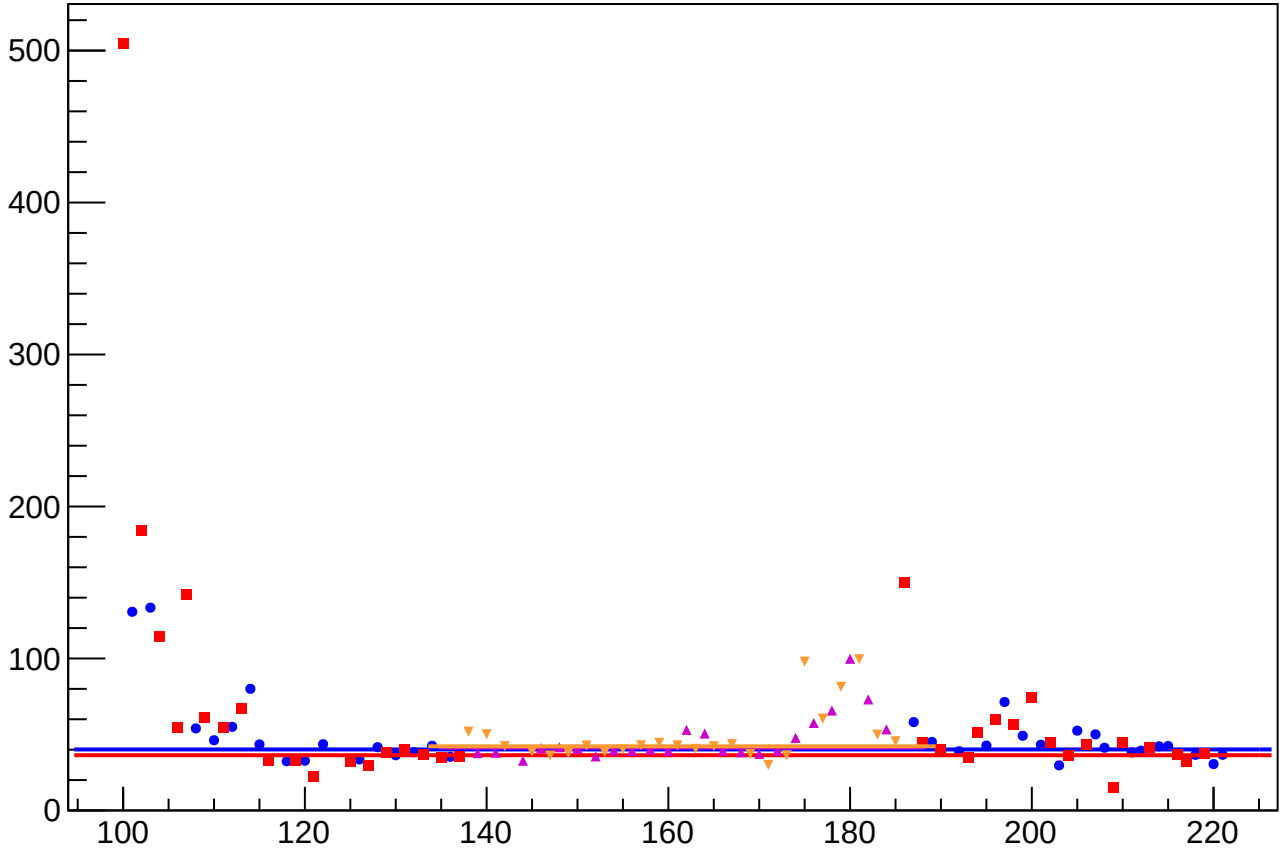
Right: 0.006+/-0.007 χ^2/NDF: 67.2/68

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.003+/-0.005 χ^2/NDF: 112.3/115

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: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

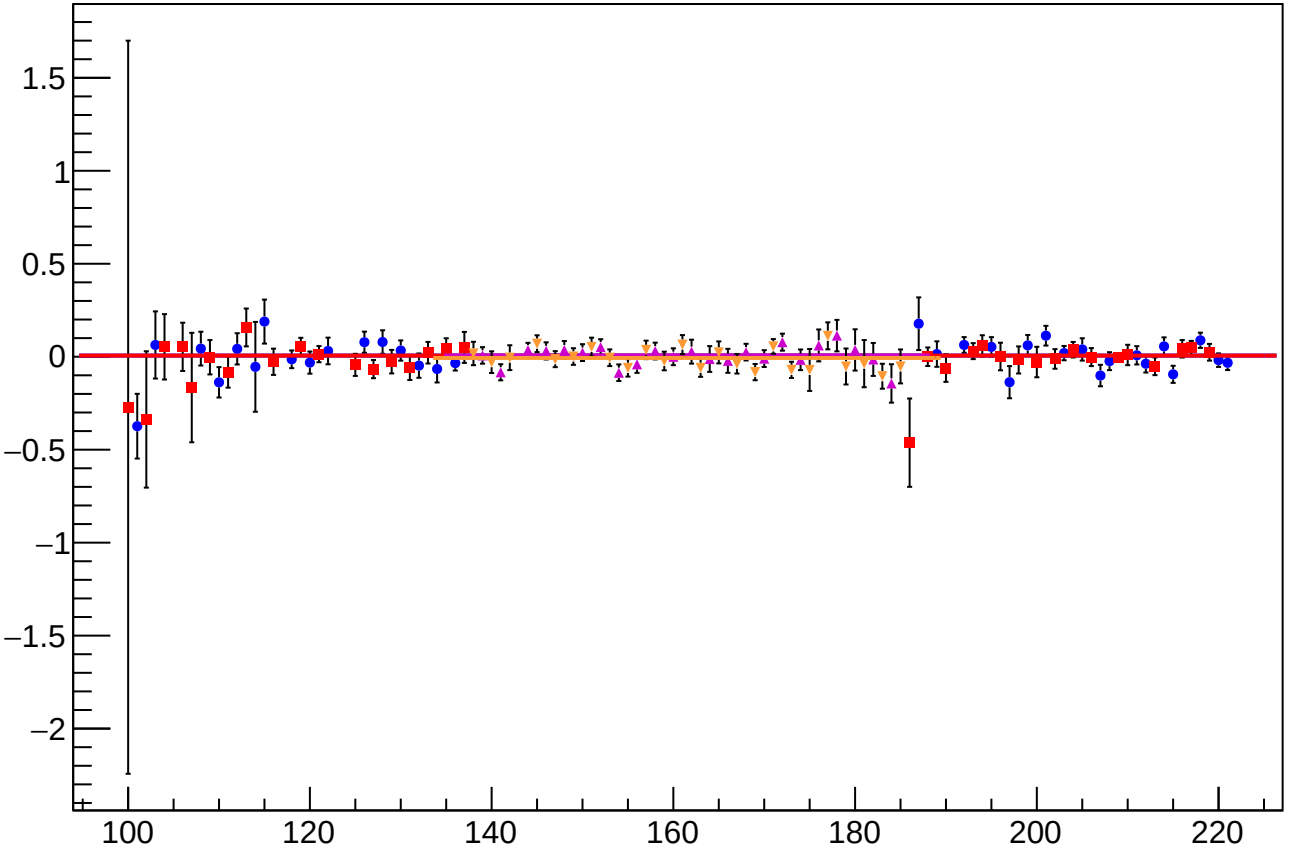
Right: 38.234+/-0.005 χ^2/NDF: 7337792.6/68

In: 40.708+/-0.005 χ^2/NDF:3683215.4/56

Out: 38.885+/-0.005 χ^2/NDF:7071400.8/58

All: 39.801+/-0.004 χ^2/NDF: 10819253.1/115

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+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

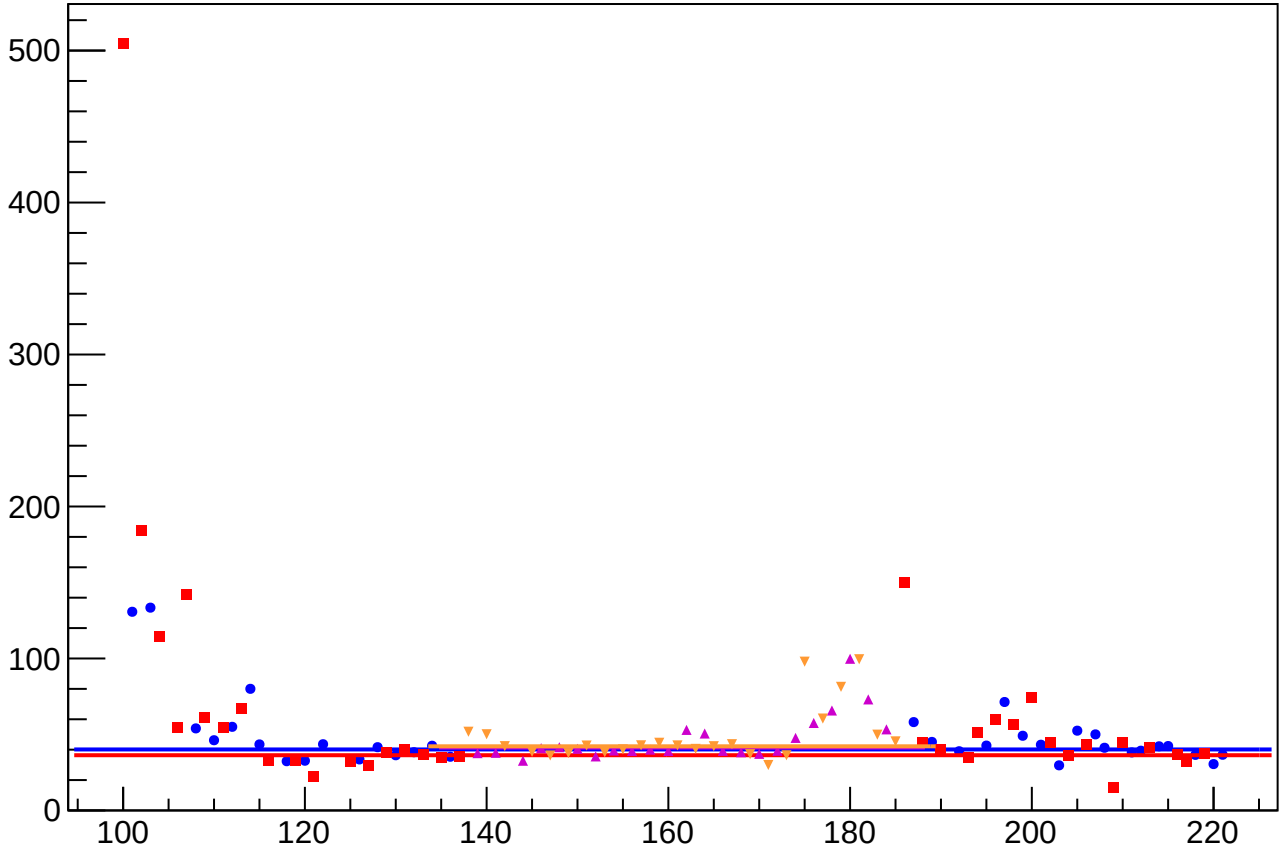
Right: 0.006+/-0.007 χ^2/NDF: 67.2/68

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.003+/-0.005 χ^2/NDF: 112.3/115

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: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

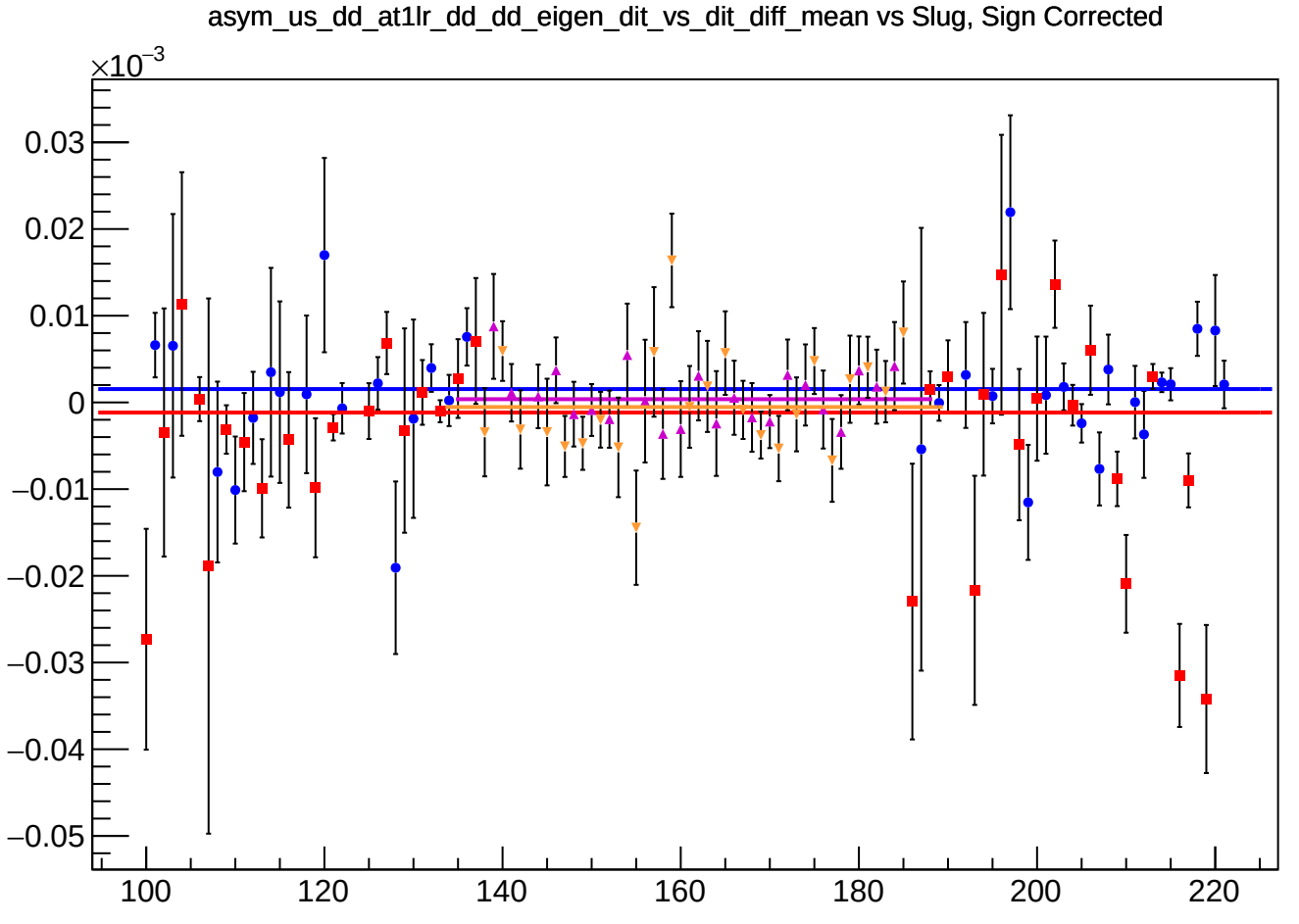
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.234+/-0.005 χ^2/NDF: 7337792.6/68

In: 40.708+/-0.005 χ^2/NDF:3683215.4/56

Out: 38.885+/-0.005 χ^2/NDF:7071400.8/58

All: 39.801+/-0.004 χ^2/NDF: 10819253.1/115



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: 111.7/34

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

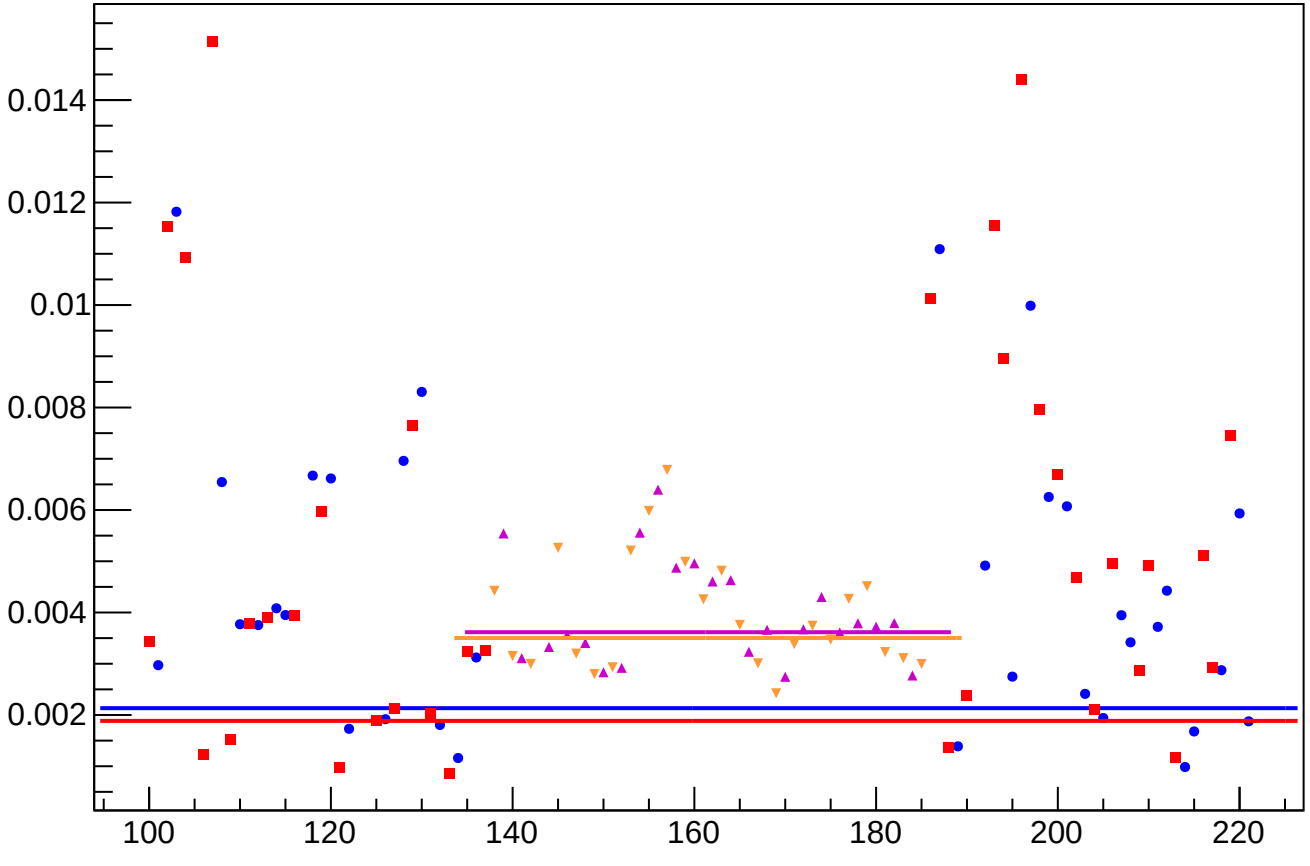
Right: 0.000+/-0.000 χ^2/NDF: 165.2/68

In: 0.000+/-0.000 χ^2/NDF:53.1/56

Out: -0.000+/-0.000 χ^2/NDF:148.9/58

All: 0.000+/-0.000 χ^2/NDF: 212.5/115

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: 16365187.3/34

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

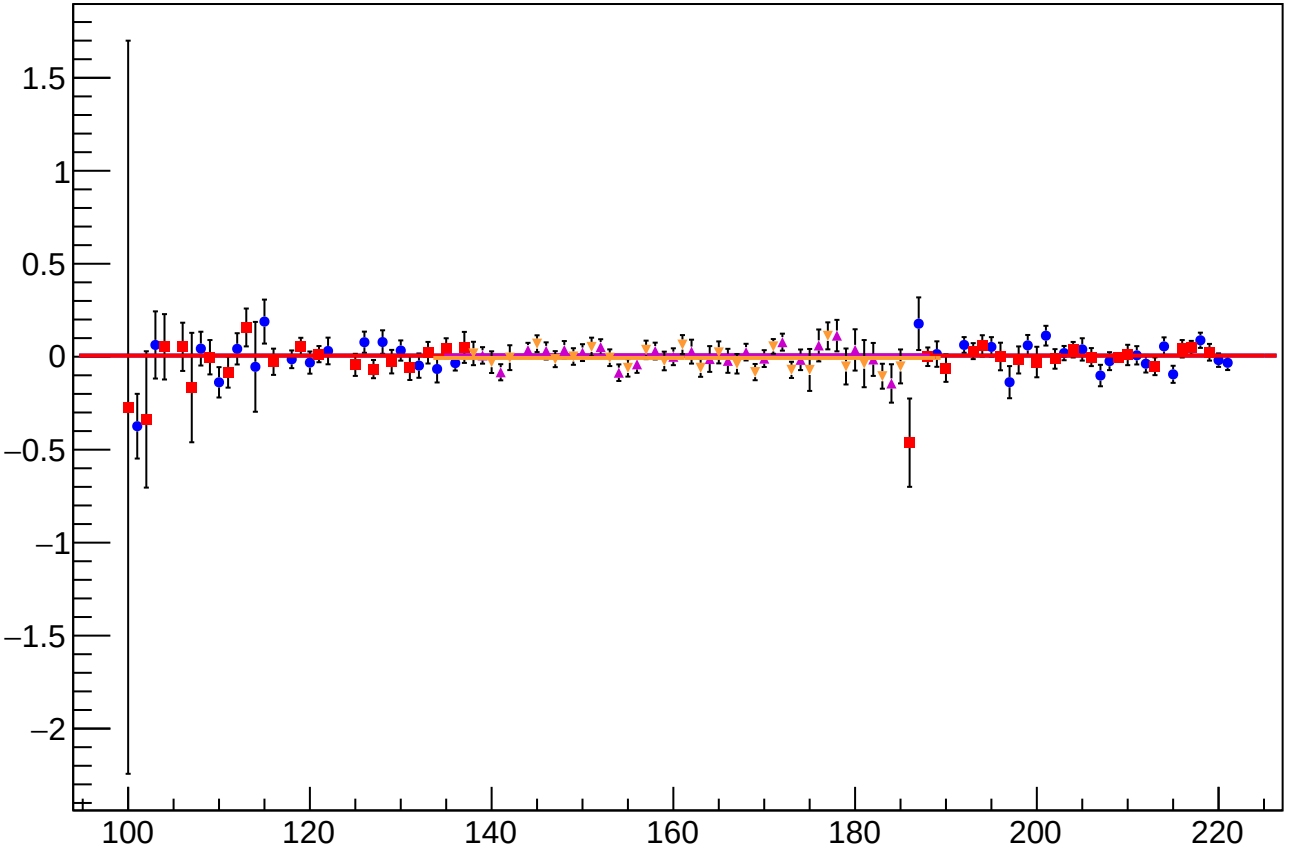
Right: 0.002+/-0.000 χ^2/NDF: 28405451.3/68

In: 0.003+/-0.000 χ^2/NDF:17569400.8/56

Out: 0.002+/-0.000 χ^2/NDF:23632155.9/58

All: 0.002+/-0.000 χ^2/NDF: 41364470.4/115

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+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

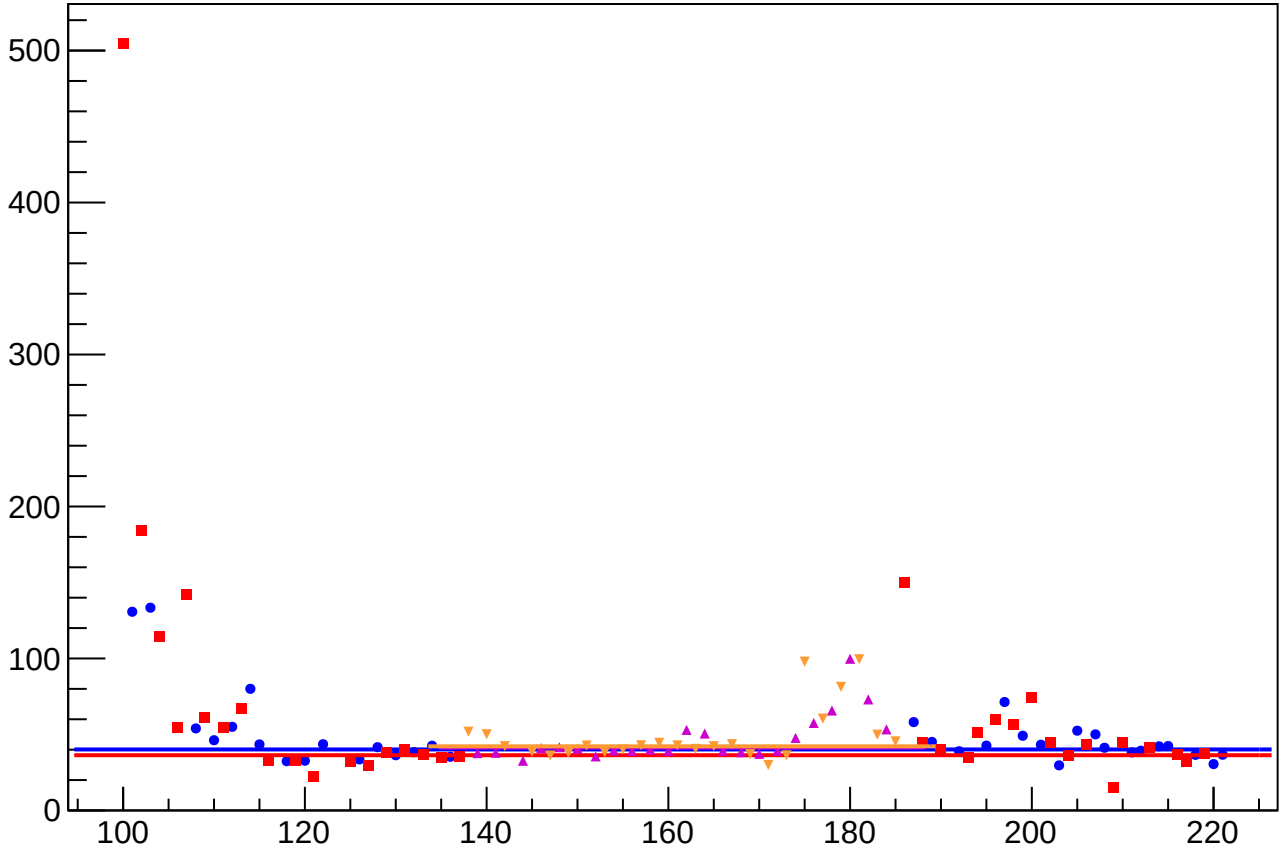
Right: 0.006+/-0.007 χ^2/NDF: 67.2/68

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.003+/-0.005 χ^2/NDF: 112.3/115

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: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

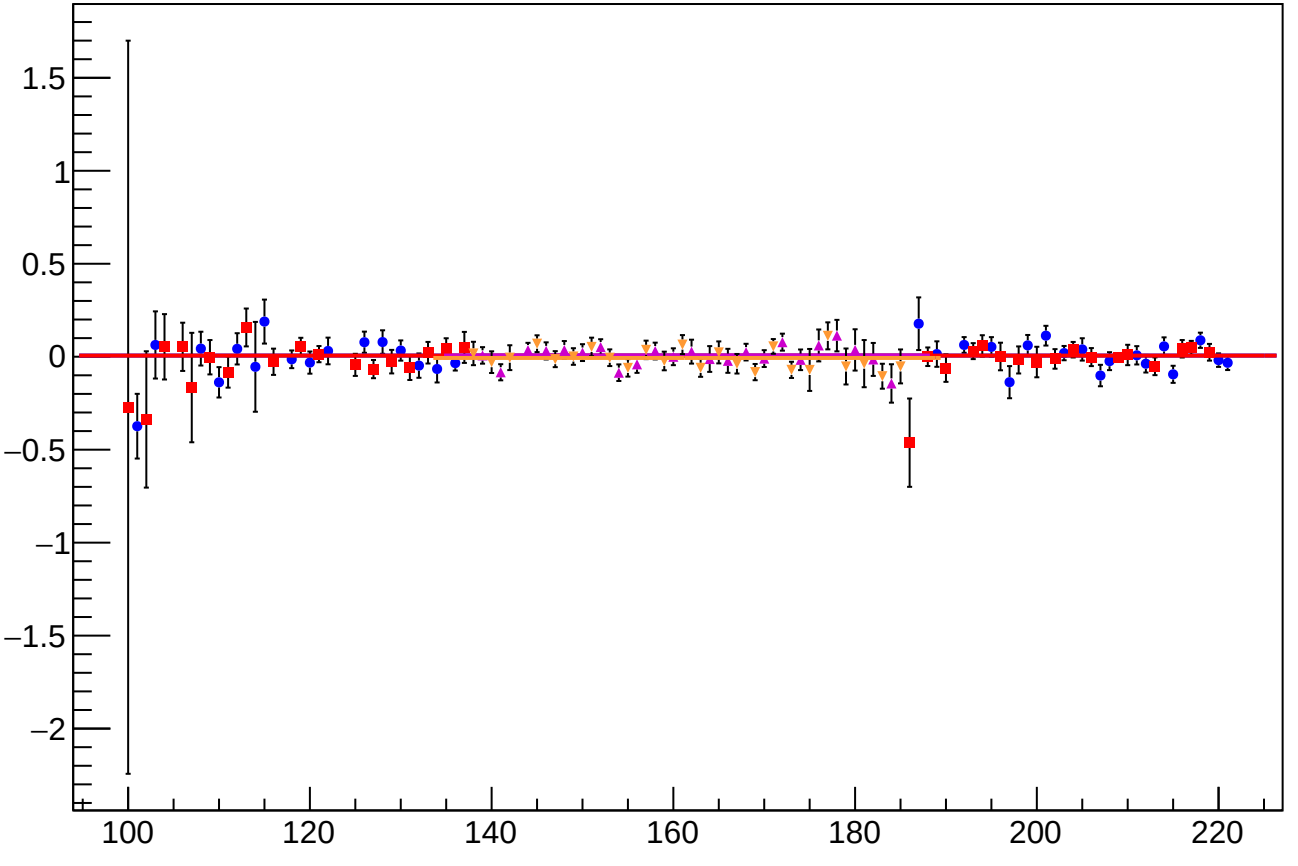
Right: 38.235+/-0.005 χ^2/NDF: 7334977.2/68

In: 40.708+/-0.005 χ^2/NDF:3683071.2/56

Out: 38.886+/-0.005 χ^2/NDF:7068515.1/58

All: 39.802+/-0.004 χ^2/NDF: 10816103.6/115

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+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

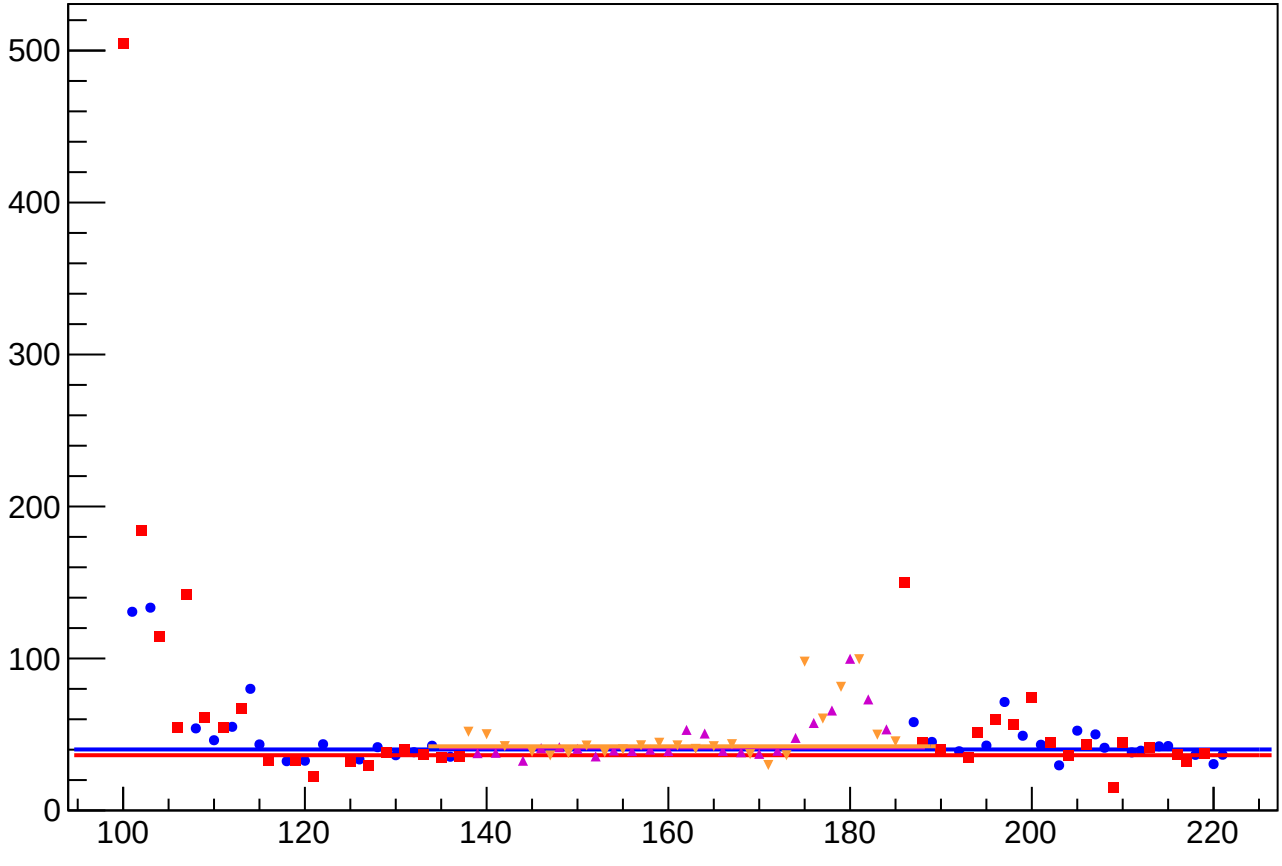
Right: 0.006+/-0.007 χ^2/NDF: 67.2/68

In: 0.006+/-0.007 χ^2/NDF:65.7/56

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.003+/-0.005 χ^2/NDF: 112.3/115

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_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: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

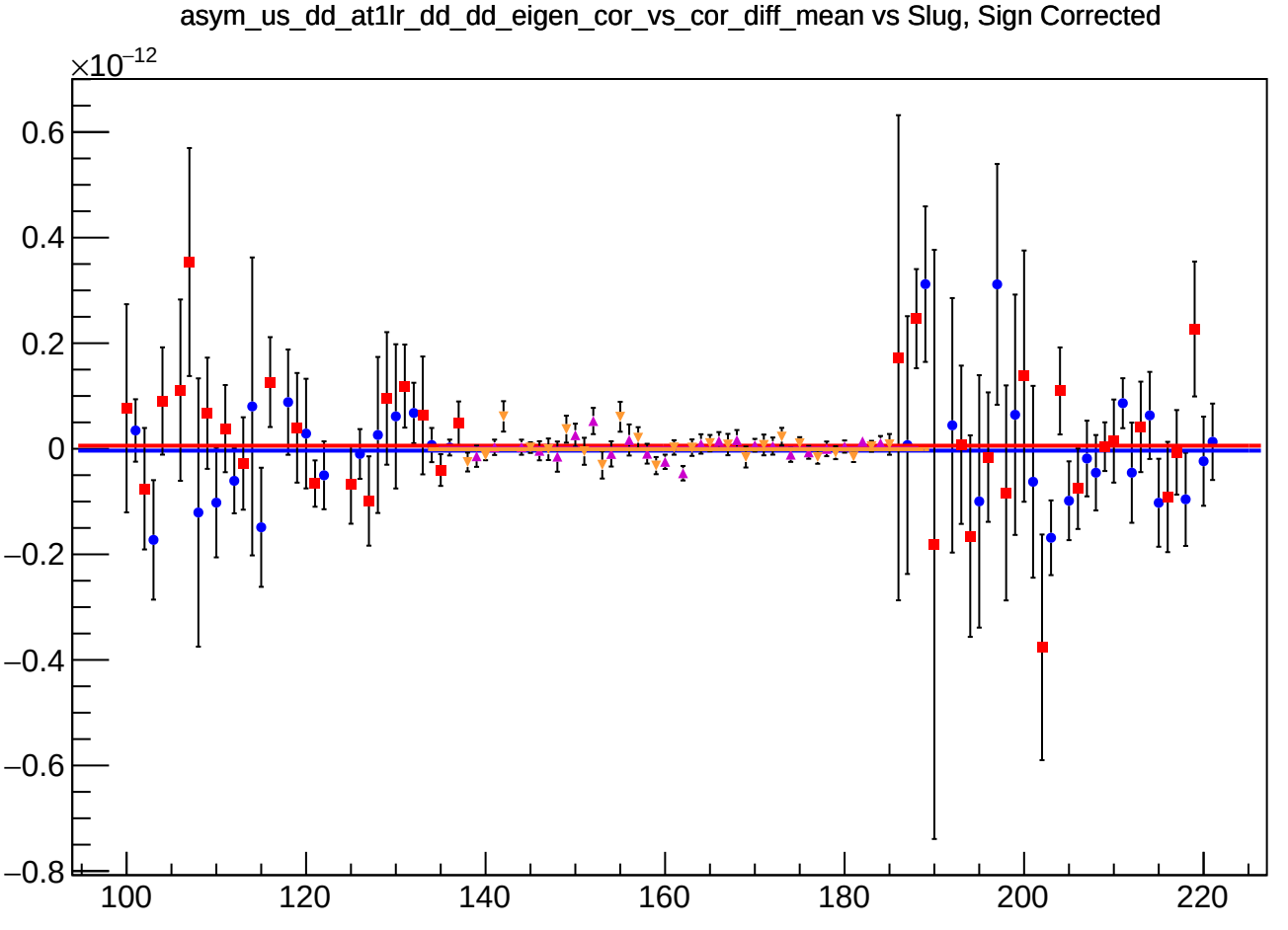
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.235+/-0.005 χ^2/NDF: 7334977.2/68

In: 40.708+/-0.005 χ^2/NDF:3683071.2/56

Out: 38.886+/-0.005 χ^2/NDF:7068515.1/58

All: 39.802+/-0.004 χ^2/NDF: 10816103.6/115



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/34

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

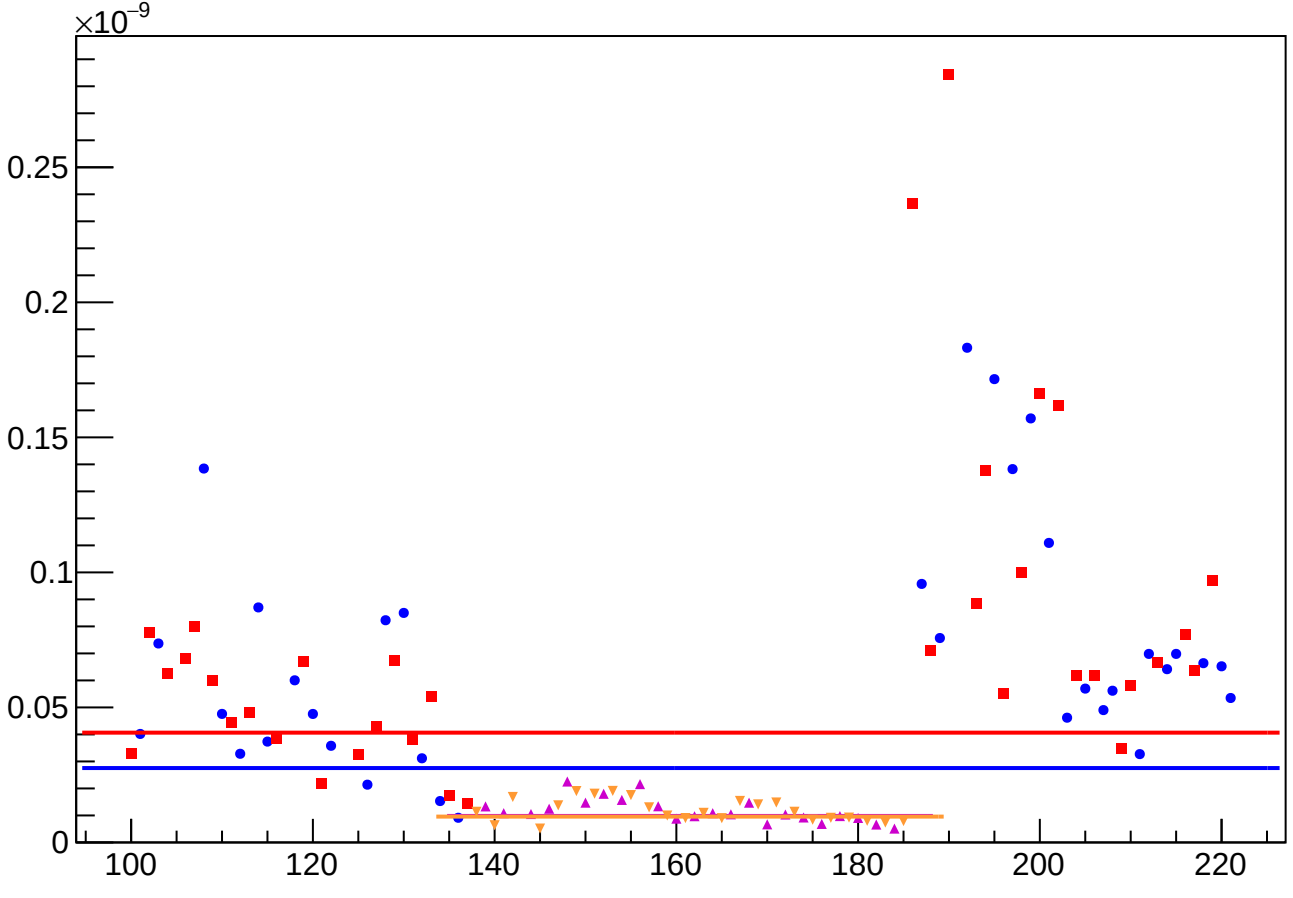
Right: -0.000+/-0.000 χ^2/NDF: 68.3/68

In: 0.000+/-0.000 χ^2/NDF:59.8/56

Out: -0.000+/-0.000 χ^2/NDF:66.4/58

All: -0.000+/-0.000 χ^2/NDF: 126.2/115

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7637434.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

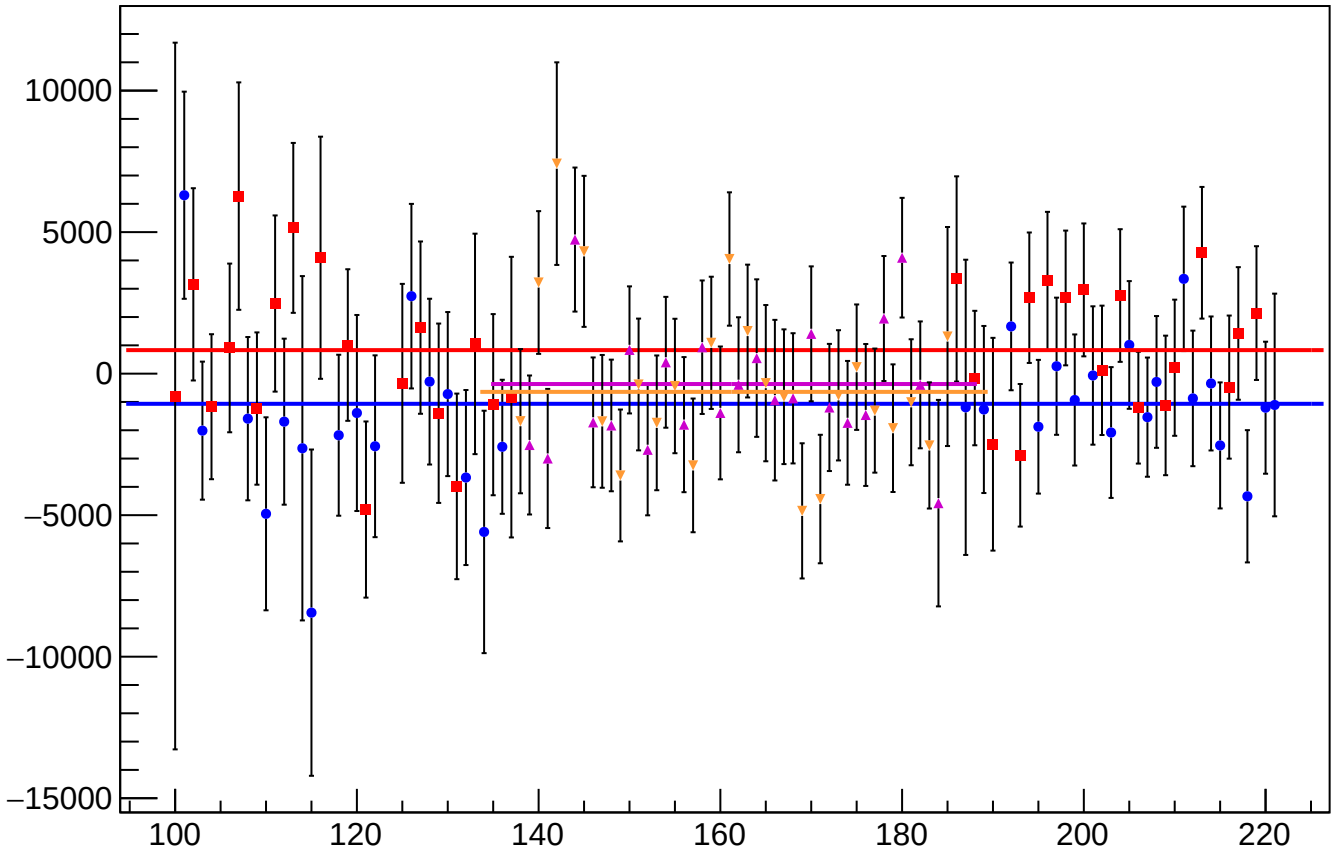
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 20885296.2/68

In: 0.000+/-0.000 χ^2/NDF:19873786.7/56

Out: 0.000+/-0.000 χ^2/NDF:20026619.1/58

All: 0.000+/-0.000 χ^2/NDF: 39912004.0/115



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: 831.091+/-470.288 χ^2/NDF: 25.1/34

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

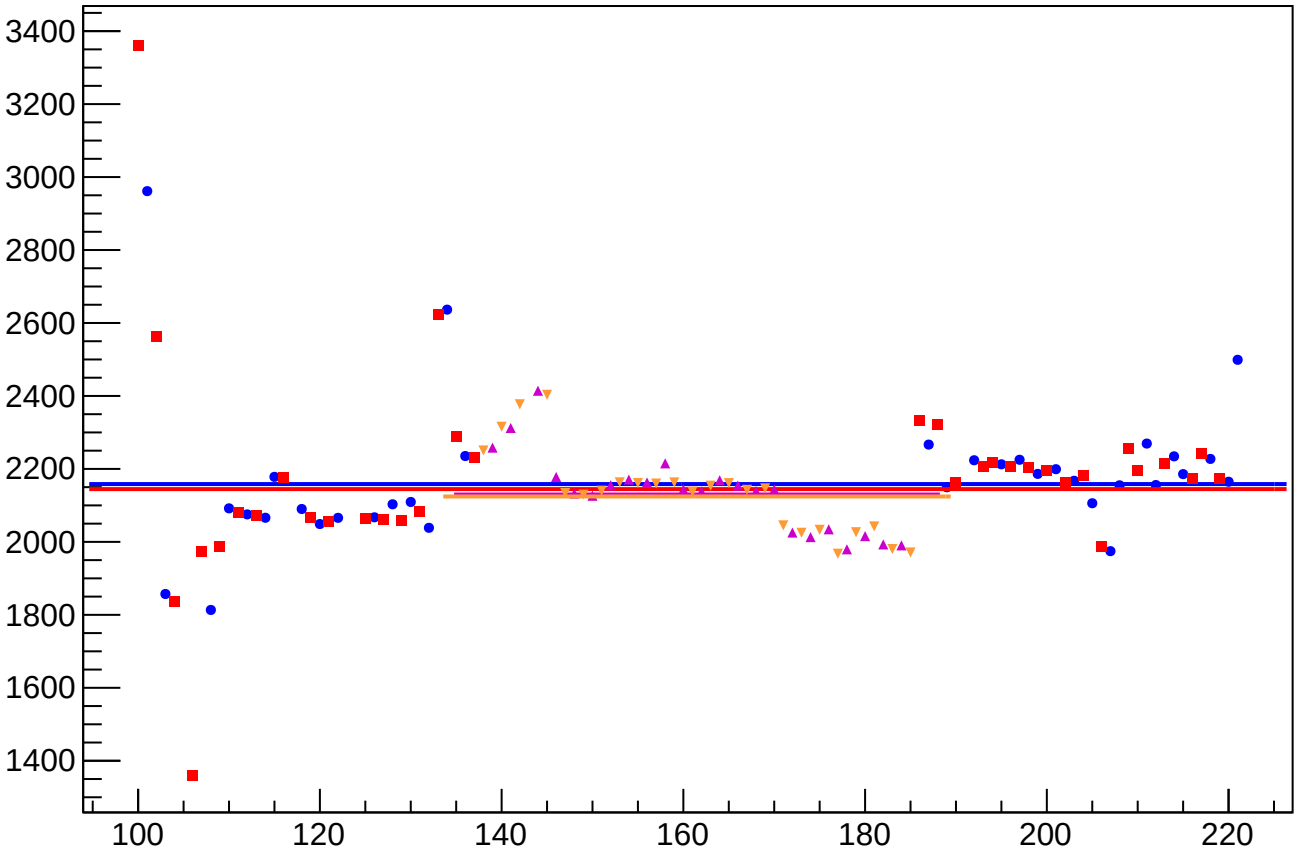
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -123.139+/-331.496 χ^2/NDF: 53.4/68

In: -738.197+/-340.750 χ^2/NDF:38.5/56

Out: 129.412+/-340.514 χ^2/NDF:56.9/58

All: -304.092+/-240.863 χ^2/NDF: 98.6/115



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: 2144.648+/-0.333 χ^2/NDF: 319653.9/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

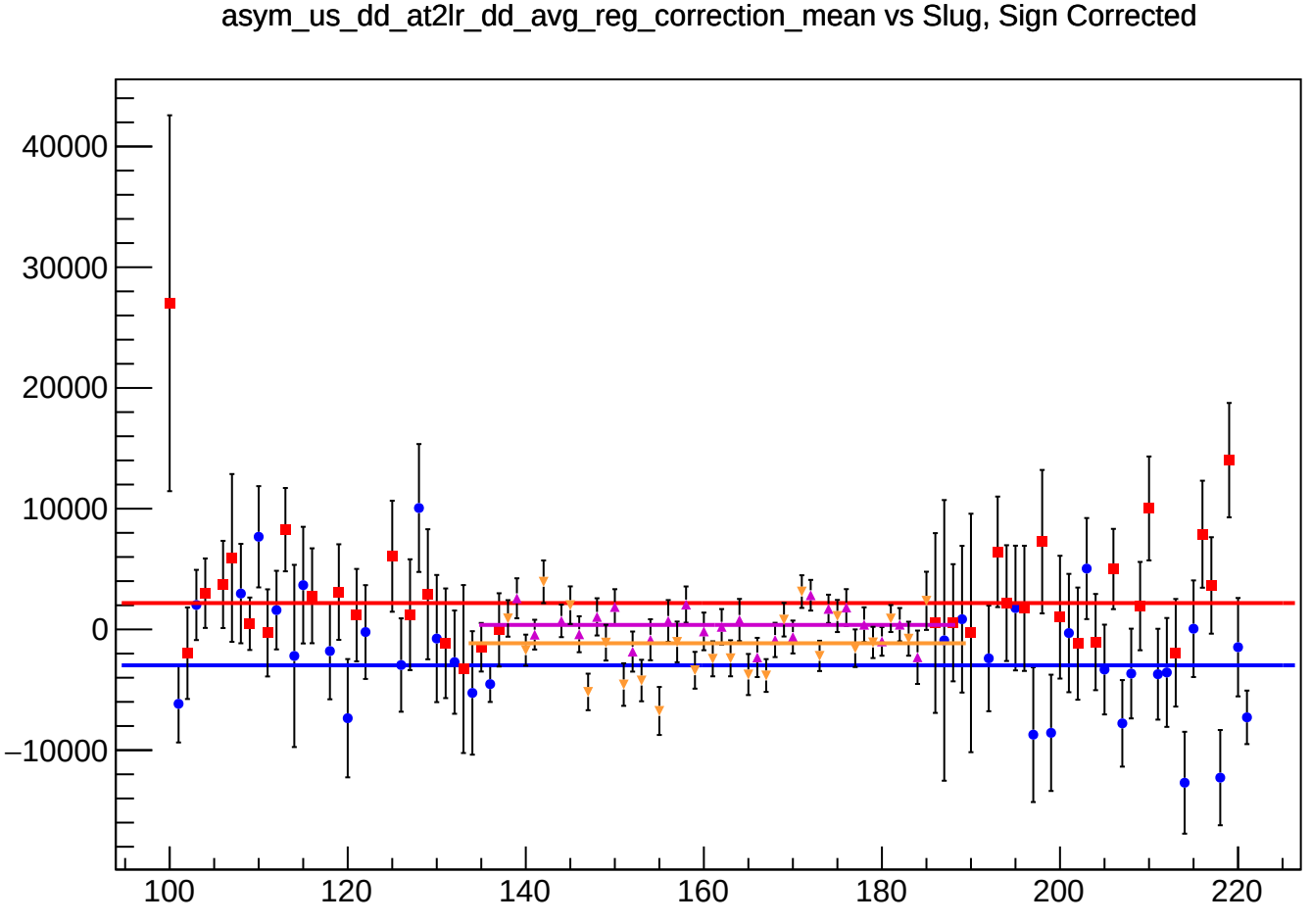
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2151.601+/-0.234 χ^2/NDF: 561776.9/68

In: 2145.085+/-0.241 χ^2/NDF:330109.5/56

Out: 2135.032+/-0.241 χ^2/NDF:410595.2/58

All: 2140.055+/-0.170 χ^2/NDF: 741575.6/115



Right In: -2971.598+/-641.262 χ^2/NDF: 50.2/33

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 2183.425+/-671.296 χ^2/NDF: 30.4/34

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

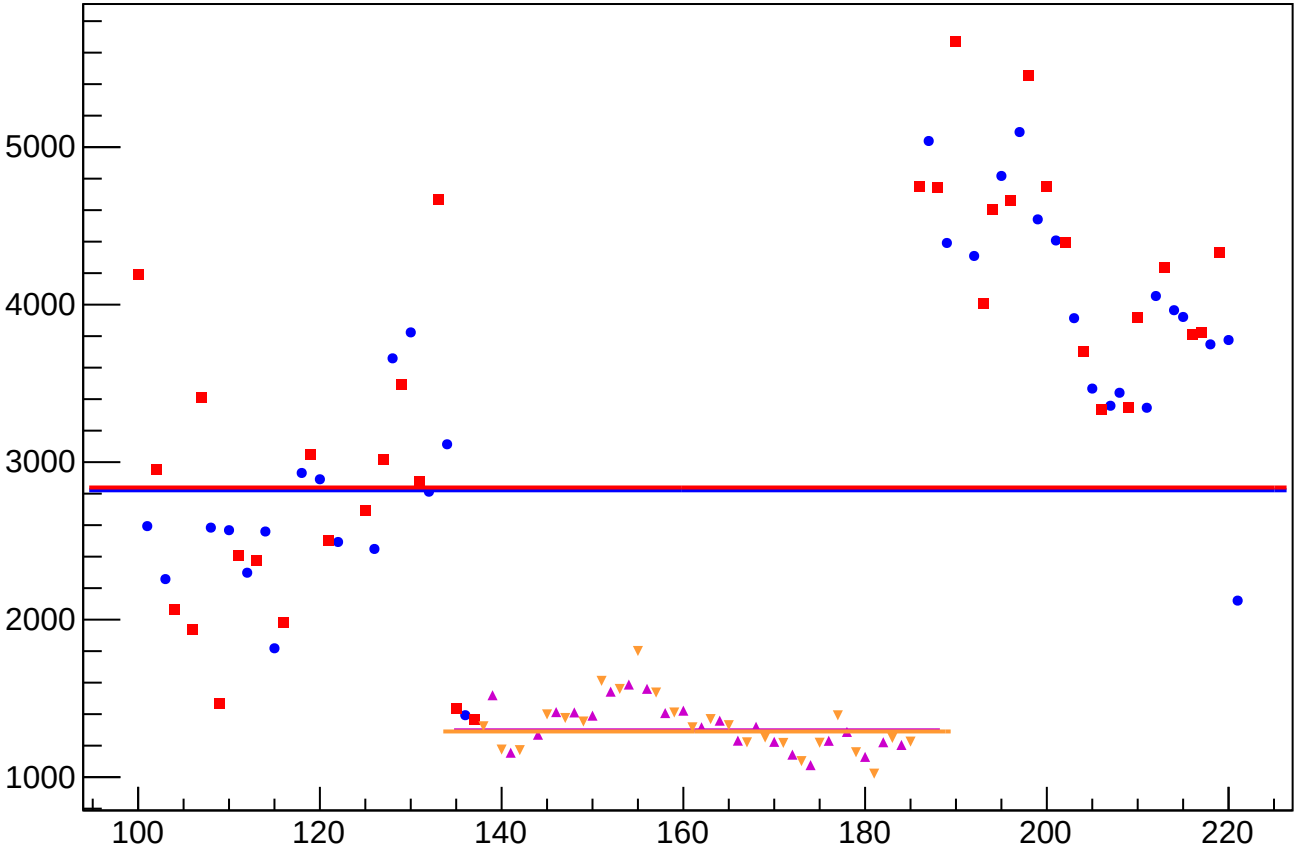
Right: -511.984+/-463.695 χ^2/NDF: 111.4/68

In: -245.029+/-275.711 χ^2/NDF:92.7/56

Out: -583.094+/-275.783 χ^2/NDF:118.3/58

All: -414.017+/-194.983 χ^2/NDF: 211.8/115

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: 2839.054+/-0.475 χ^2/NDF: 5952313.2/34

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

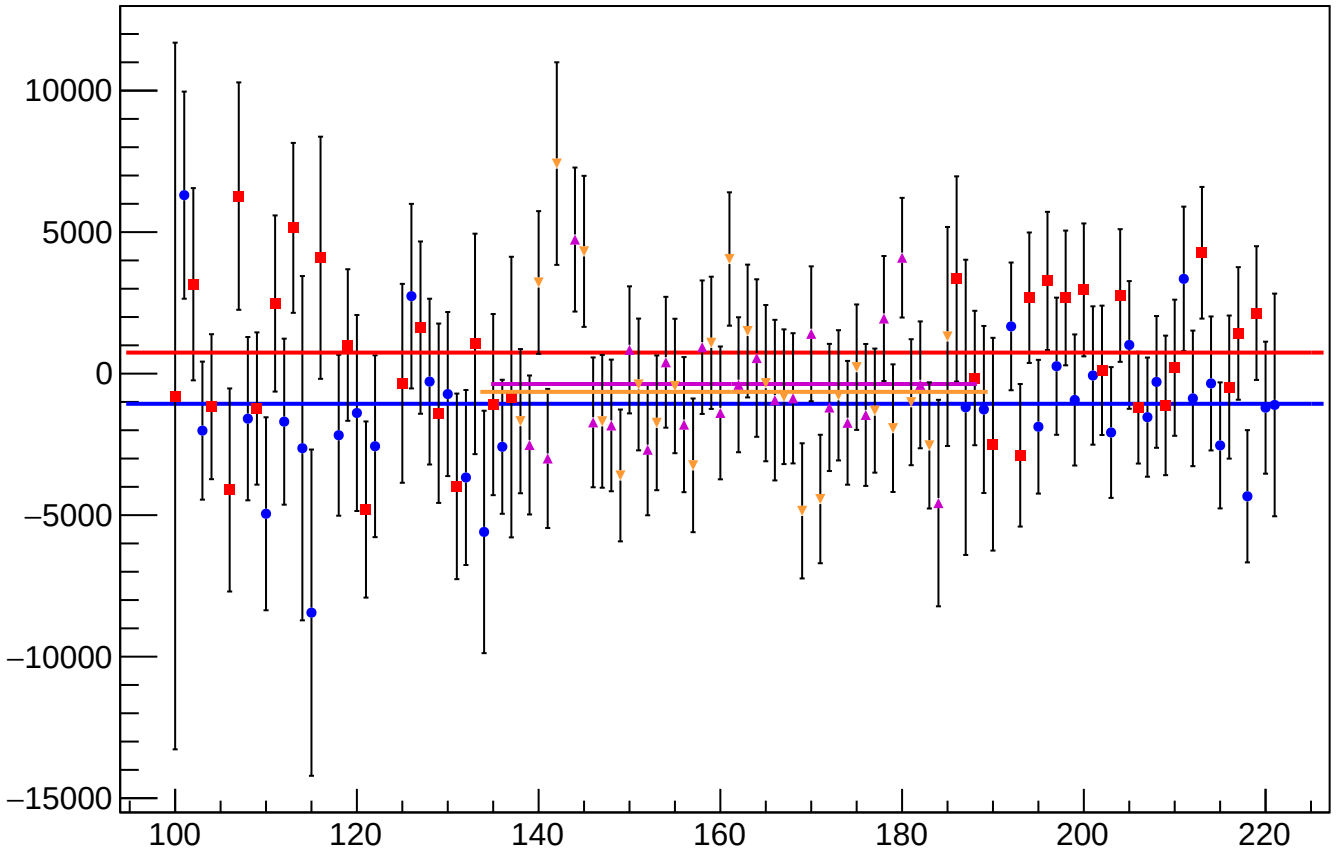
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2829.733+/-0.328 χ^2/NDF: 10952734.1/68

In: 1579.136+/-0.195 χ^2/NDF:14638883.8/56

Out: 1551.465+/-0.195 χ^2/NDF:15372168.9/58

All: 1565.304+/-0.138 χ^2/NDF: 30021122.4/



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: 743.633+/-472.114 χ^2/NDF: 26.9/34

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

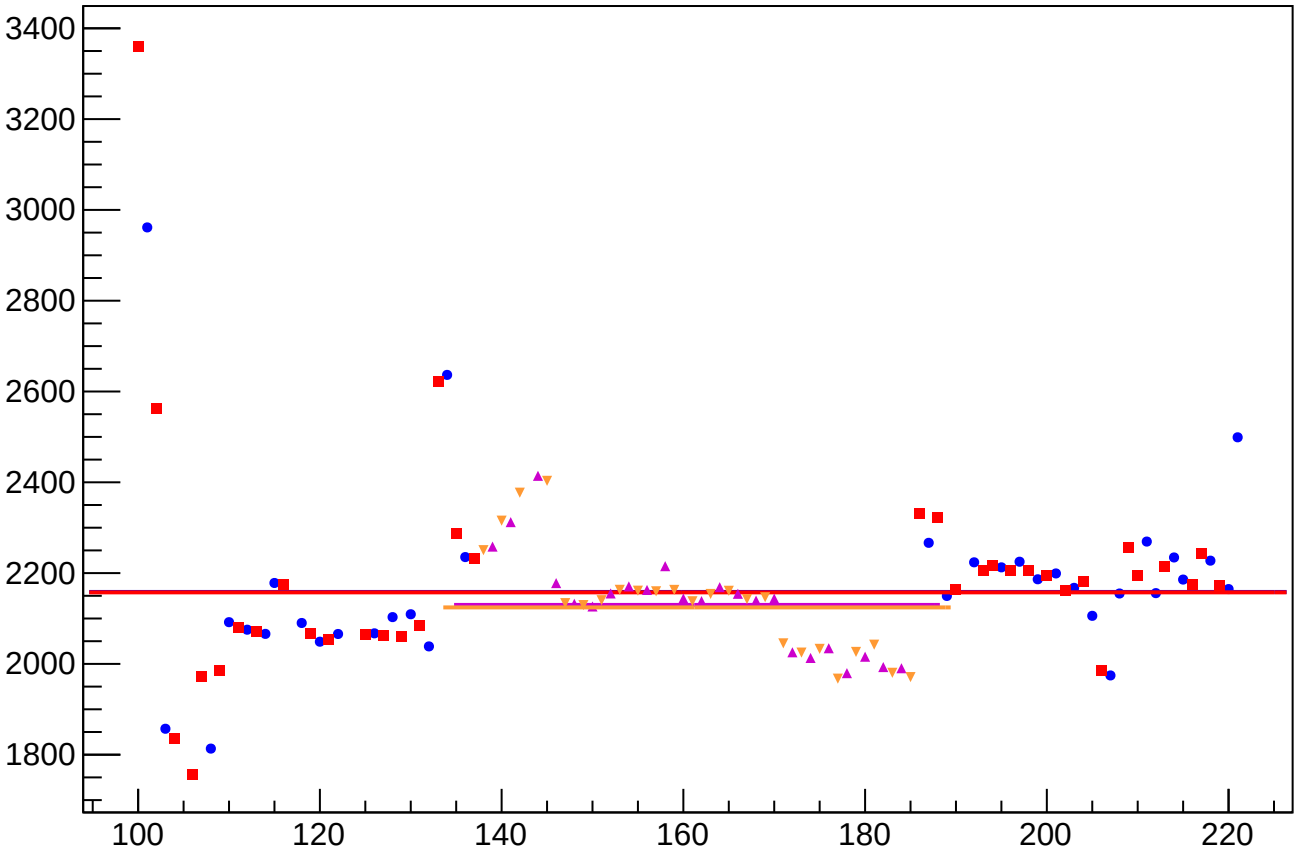
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -170.102+/-332.134 χ^2/NDF: 54.5/68

In: -738.149+/-340.750 χ^2/NDF:38.5/56

Out: 80.945+/-341.205 χ^2/NDF:58.2/58

All: -329.149+/-241.107 χ^2/NDF: 99.5/115



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: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

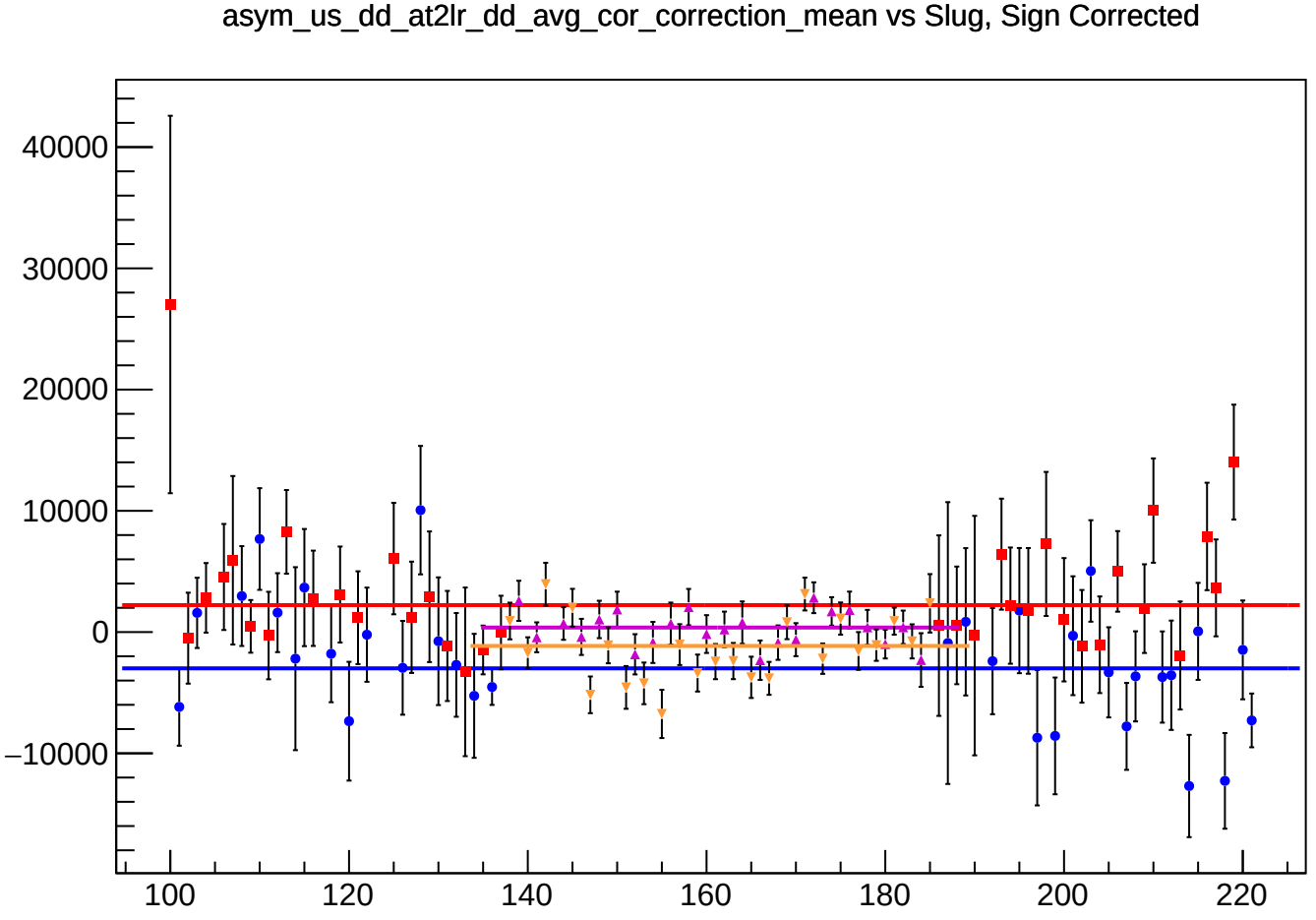
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2158.033+/-0.235 χ^2/NDF: 444521.2/68

In: 2145.085+/-0.241 χ^2/NDF:330109.8/56

Out: 2141.754+/-0.241 χ^2/NDF:297158.4/58

All: 2143.422+/-0.170 χ^2/NDF: 627363.7/115



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: 2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

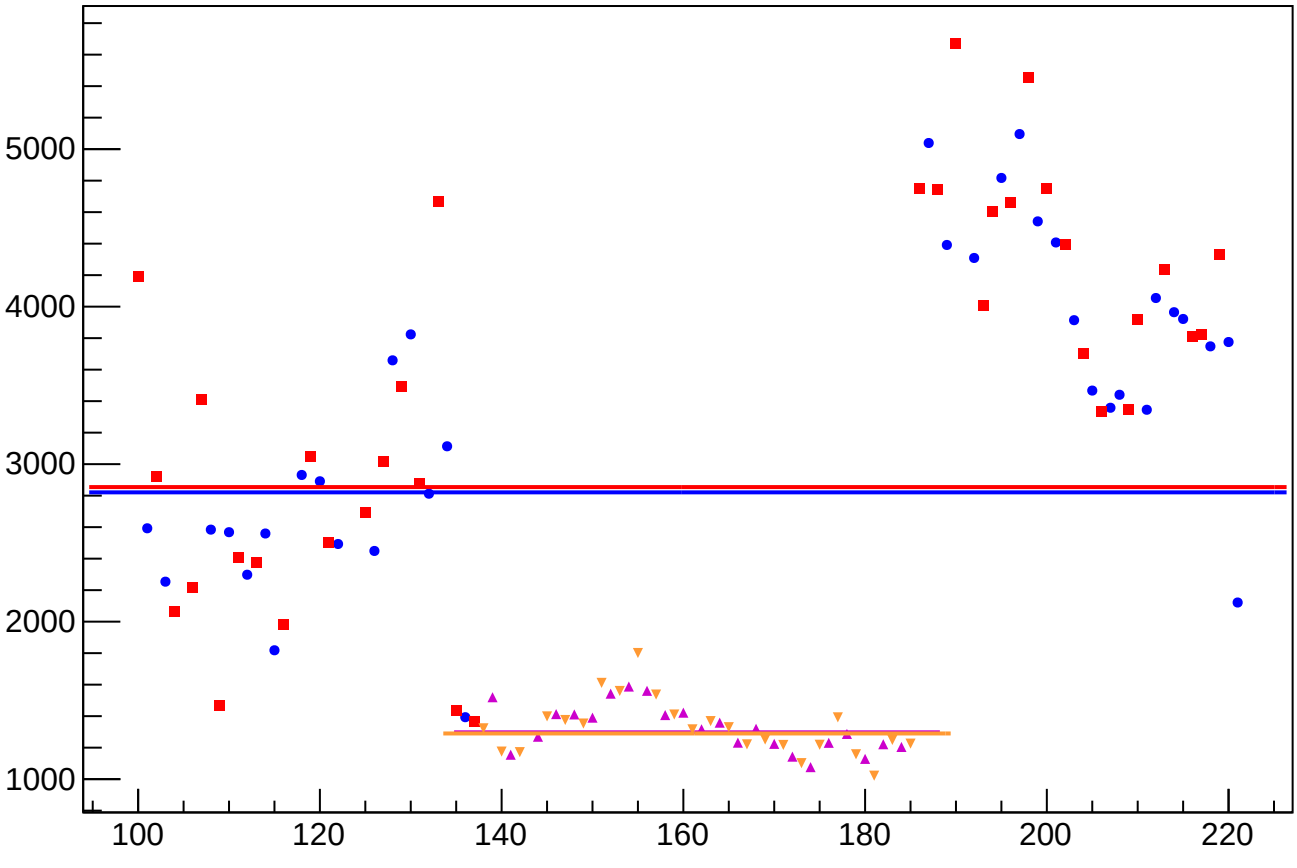
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -518.353+/-464.763 χ^2/NDF: 110.9/68

In: -249.112+/-275.703 χ^2/NDF:92.5/56

Out: -581.444+/-276.017 χ^2/NDF:118.0/58

All: -415.089+/-195.063 χ^2/NDF: 211.2/115



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: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

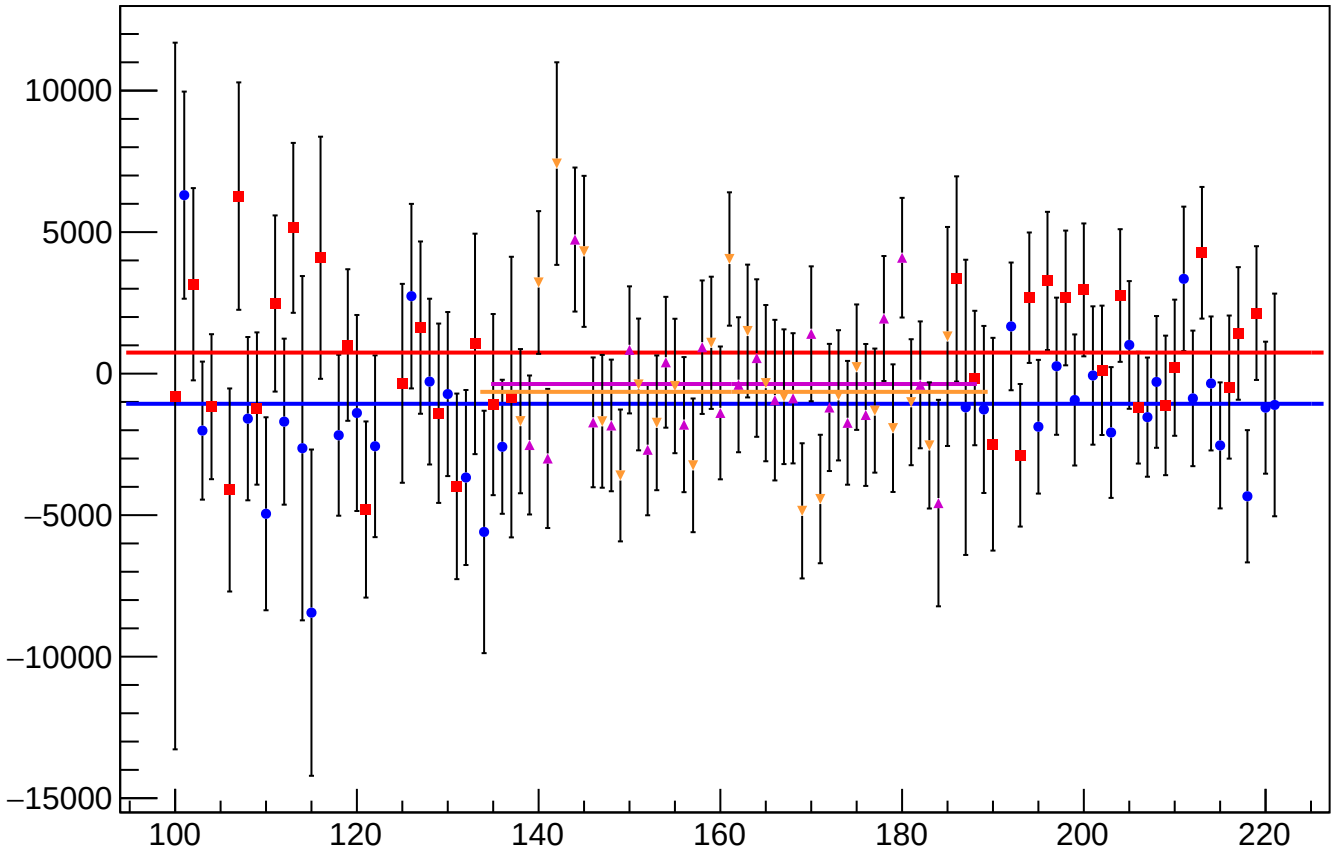
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2836.784+/-0.329 χ^2/NDF: 10872043.3/68

In: 1579.154+/-0.195 χ^2/NDF:14638429.8/56

Out: 1551.869+/-0.195 χ^2/NDF:15389249.0/58

All: 1565.527+/-0.138 χ^2/NDF: 30037461.8/



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: 743.633+/-472.114 χ^2/NDF: 26.9/34

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

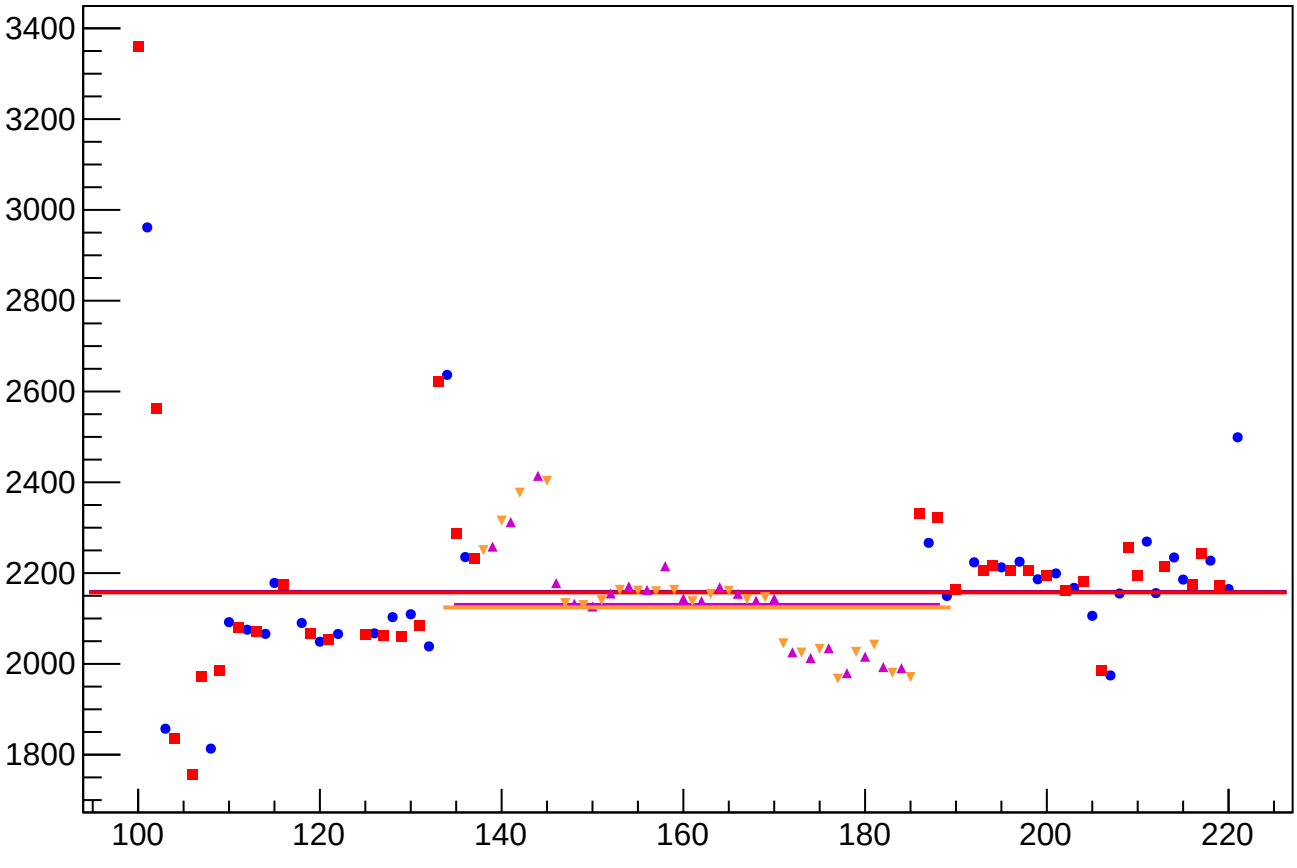
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -170.102+/-332.134 χ^2/NDF: 54.5/68

In: -738.149+/-340.750 χ^2/NDF:38.5/56

Out: 80.945+/-341.205 χ^2/NDF:58.2/58

All: -329.149+/-241.107 χ^2/NDF: 99.5/115



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: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

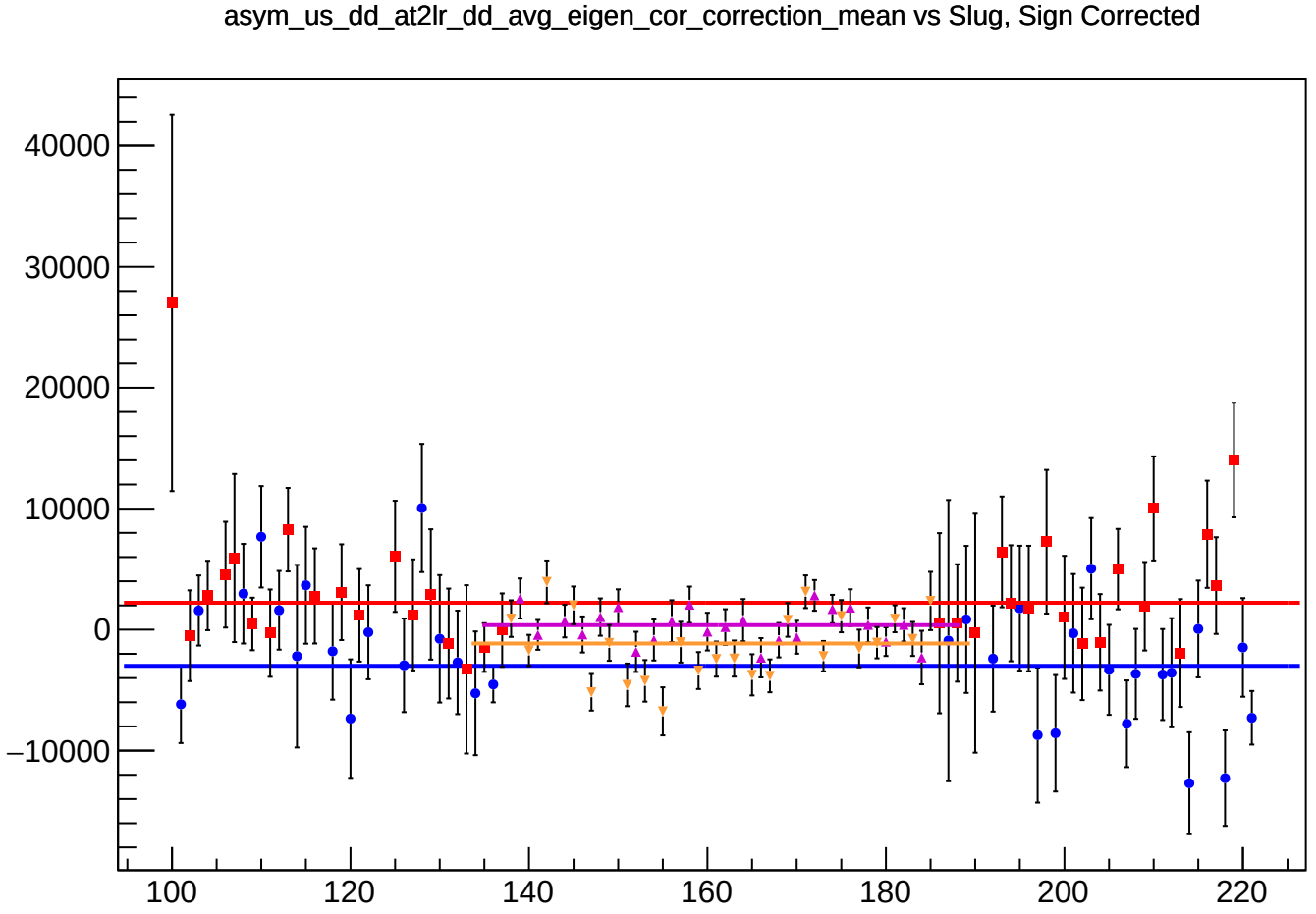
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2158.033+/-0.235 χ^2/NDF: 444521.2/68

In: 2145.085+/-0.241 χ^2/NDF:330109.8/56

Out: 2141.754+/-0.241 χ^2/NDF:297158.4/58

All: 2143.422+/-0.170 χ^2/NDF: 627363.7/115



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: 2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

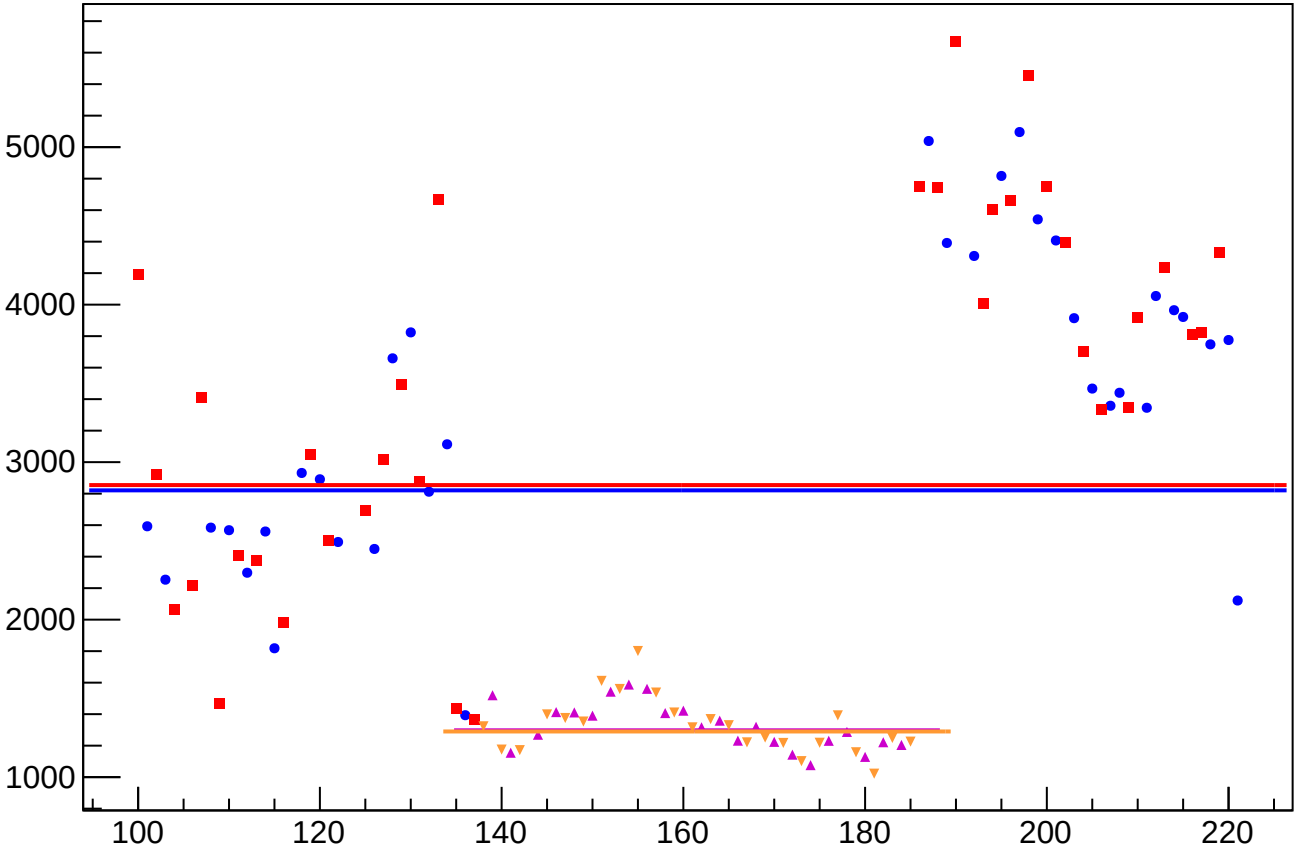
Right: -518.353+/-464.763 χ^2/NDF: 110.9/68

In: -249.112+/-275.703 χ^2/NDF:92.5/56

Out: -581.444+/-276.017 χ^2/NDF:118.0/58

All: -415.089+/-195.063 χ^2/NDF: 211.2/115

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

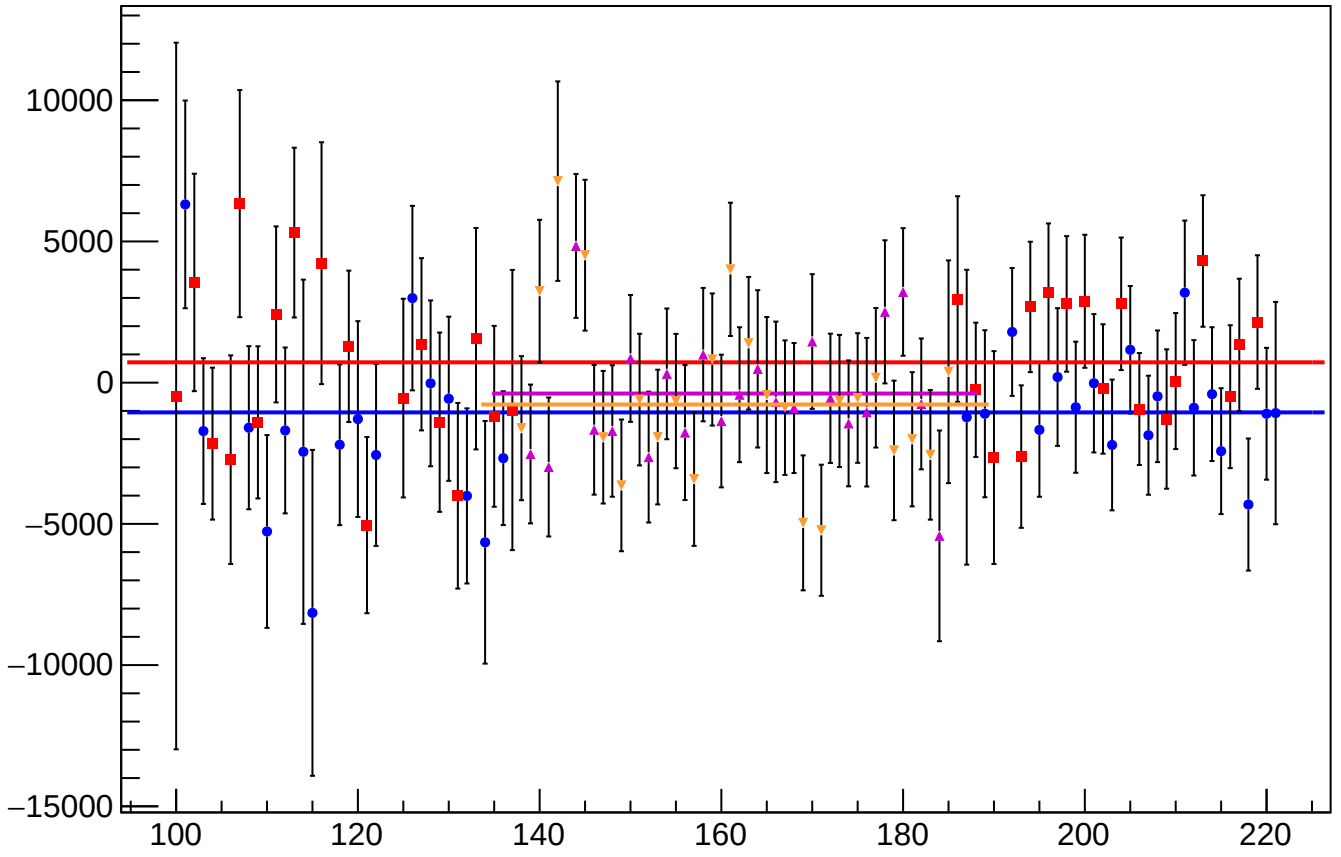
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2836.784+/-0.329 χ^2/NDF: 10872043.3/68

In: 1579.154+/-0.195 χ^2/NDF:14638429.8/56

Out: 1551.869+/-0.195 χ^2/NDF:15389249.0/58

All: 1565.527+/-0.138 χ^2/NDF: 30037461.8/



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: 719.715+/-475.003 χ^2/NDF: 27.0/34

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

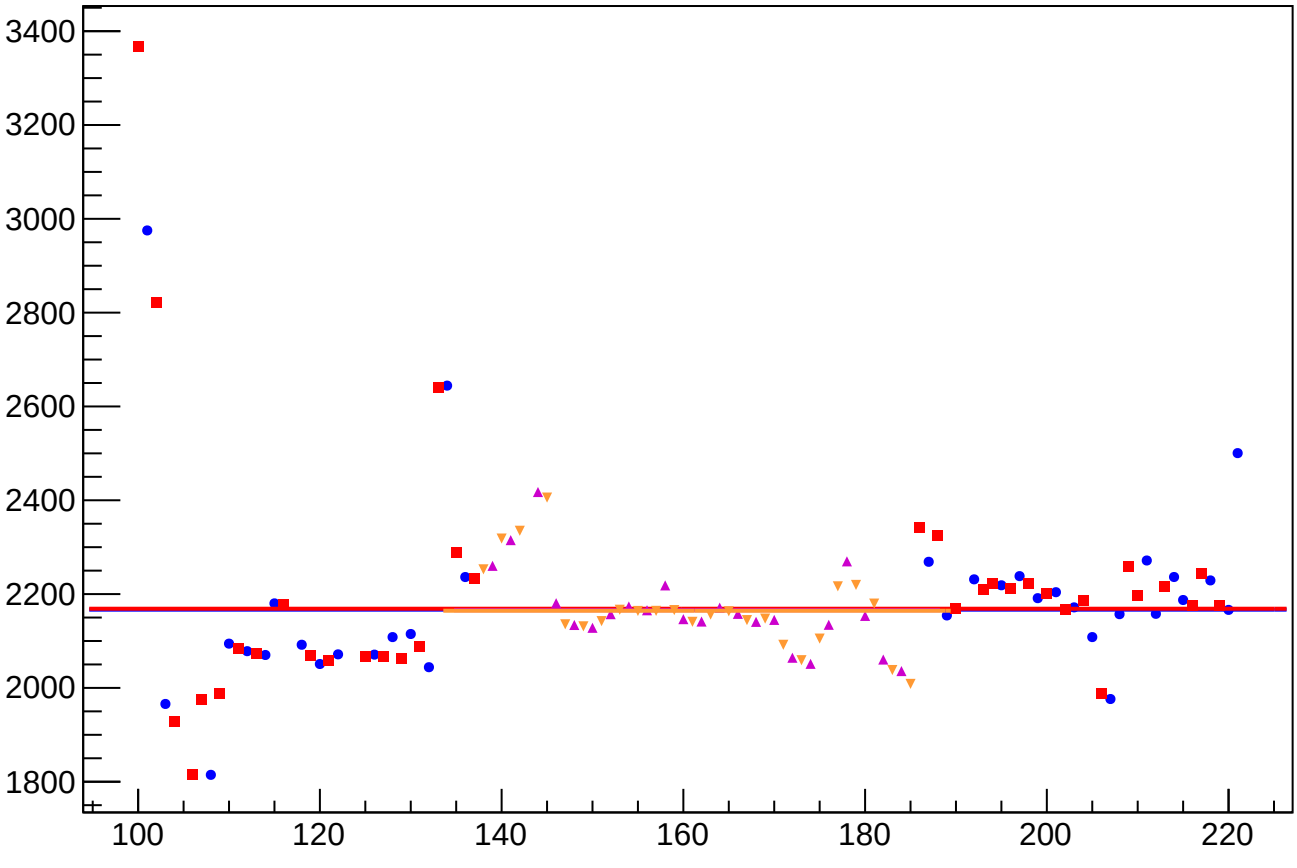
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -177.815+/-333.753 χ^2/NDF: 54.5/68

In: -744.432+/-344.007 χ^2/NDF:37.1/56

Out: 15.510+/-345.292 χ^2/NDF:60.2/58

All: -365.878+/-243.703 χ^2/NDF: 99.7/115



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: 2168.806+/-0.336 χ^2/NDF: 211205.9/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

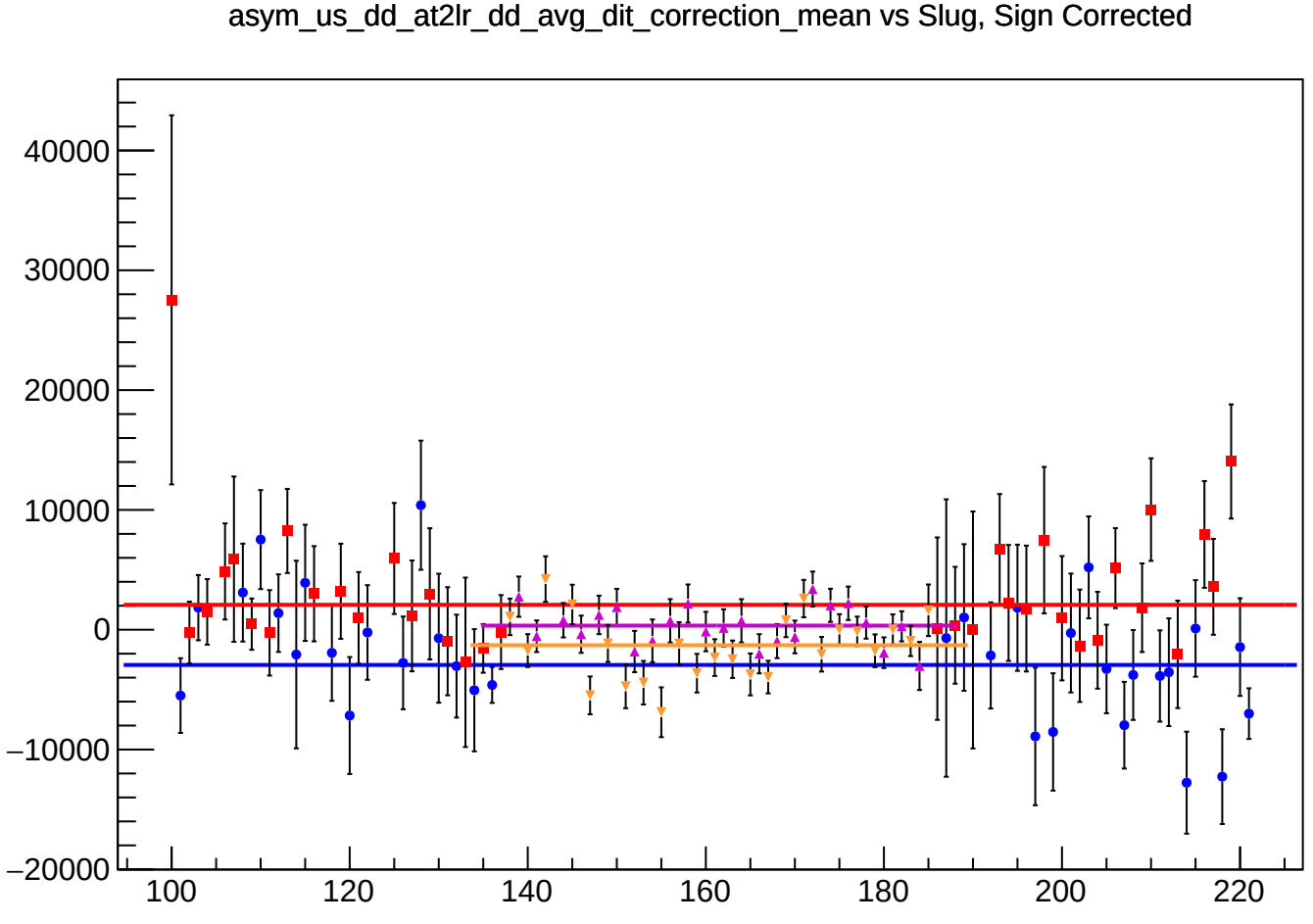
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2167.790+/-0.236 χ^2/NDF: 435742.3/68

In: 2166.265+/-0.243 χ^2/NDF:276648.3/56

Out: 2166.791+/-0.244 χ^2/NDF:261958.6/58

All: 2166.527+/-0.172 χ^2/NDF: 538609.2/115



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: 2080.611+/-662.564 χ^2/NDF: 30.6/34

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

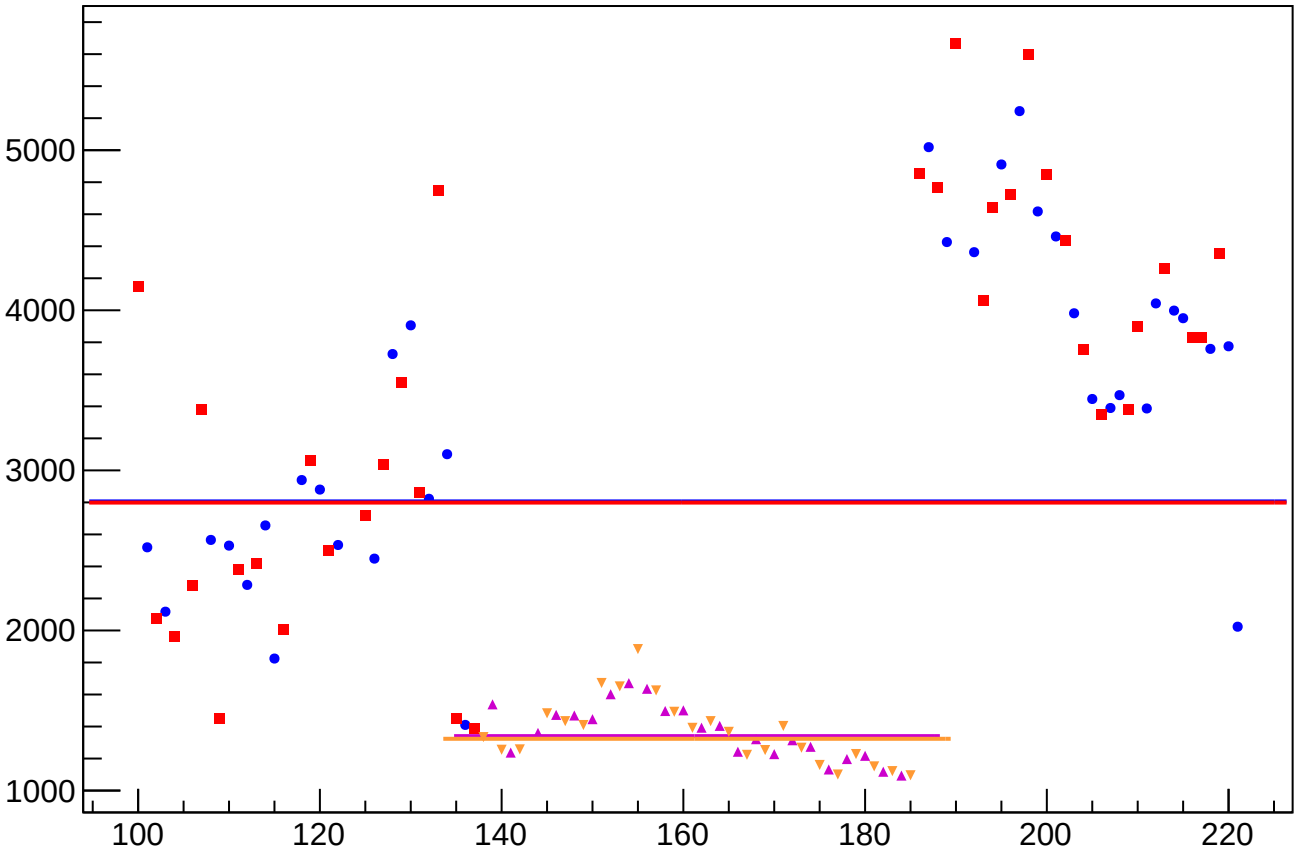
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -519.044+/-460.109 χ^2/NDF: 110.4/68

In: -301.448+/-282.982 χ^2/NDF:96.1/56

Out: -685.707+/-281.248 χ^2/NDF:110.5/58

All: -494.758+/-199.483 χ^2/NDF: 207.5/115



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: 2798.905+/-0.469 χ^2/NDF: 6185567.7/34

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

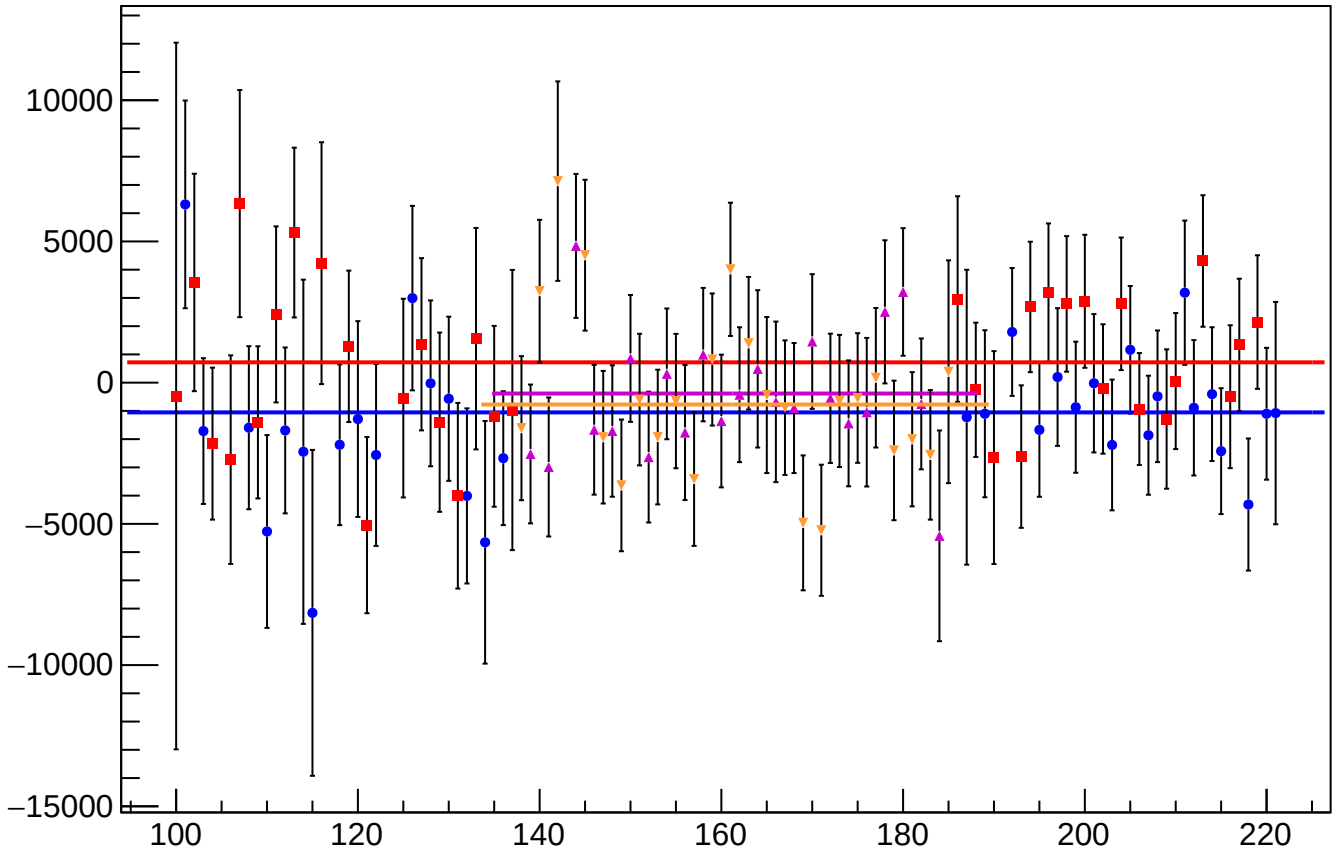
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2802.678+/-0.325 χ^2/NDF: 11377289.2/68

In: 1627.221+/-0.200 χ^2/NDF:14140662.7/56

Out: 1589.268+/-0.199 χ^2/NDF:14980896.3/58

All: 1608.128+/-0.141 χ^2/NDF: 29139656.5/1



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: 719.707+/-475.003 χ^2/NDF: 27.0/34

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

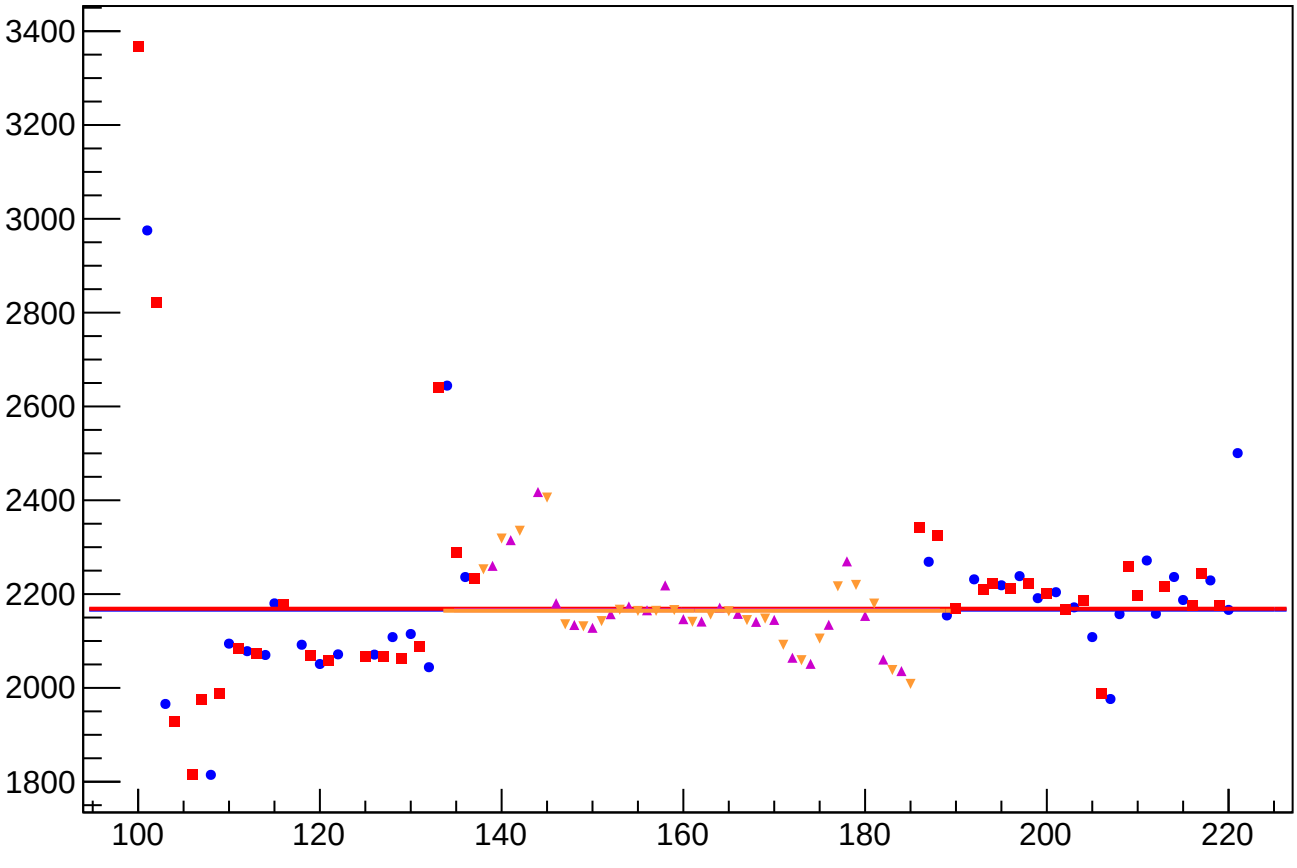
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -177.815+/-333.753 χ^2/NDF: 54.5/68

In: -744.427+/-344.007 χ^2/NDF:37.1/56

Out: 15.507+/-345.292 χ^2/NDF:60.2/58

All: -365.877+/-243.703 χ^2/NDF: 99.7/115



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: 2168.806+/-0.336 χ^2/NDF: 211205.8/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

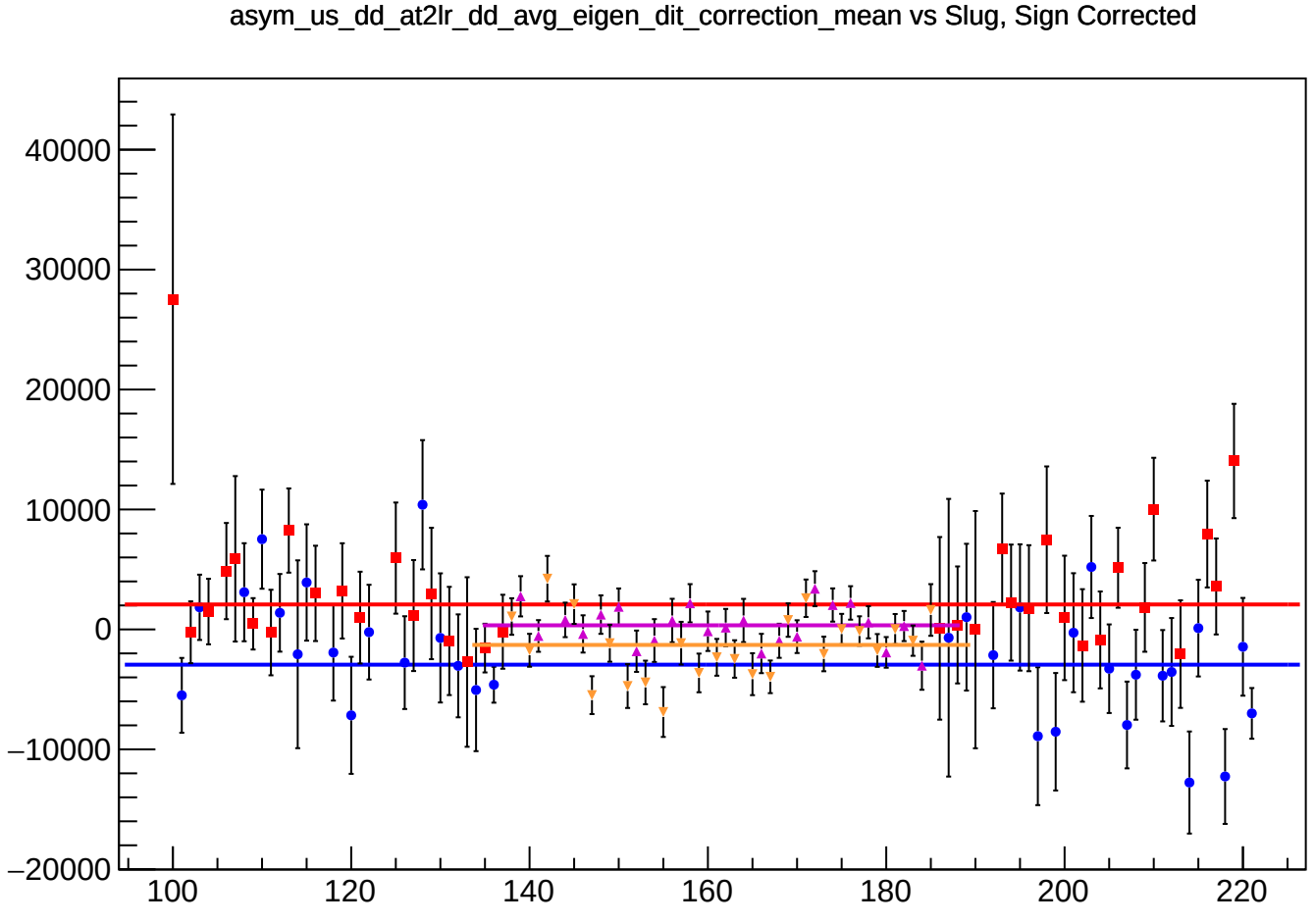
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2167.790+/-0.236 χ^2/NDF: 435742.2/68

In: 2166.265+/-0.243 χ^2/NDF:276648.3/56

Out: 2166.791+/-0.244 χ^2/NDF:261958.5/58

All: 2166.527+/-0.172 χ^2/NDF: 538609.2/115



Right In: -2940.377+/-639.438 χ^2/NDF: 50.1/33

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 2080.623+/-662.566 χ^2/NDF: 30.6/34

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

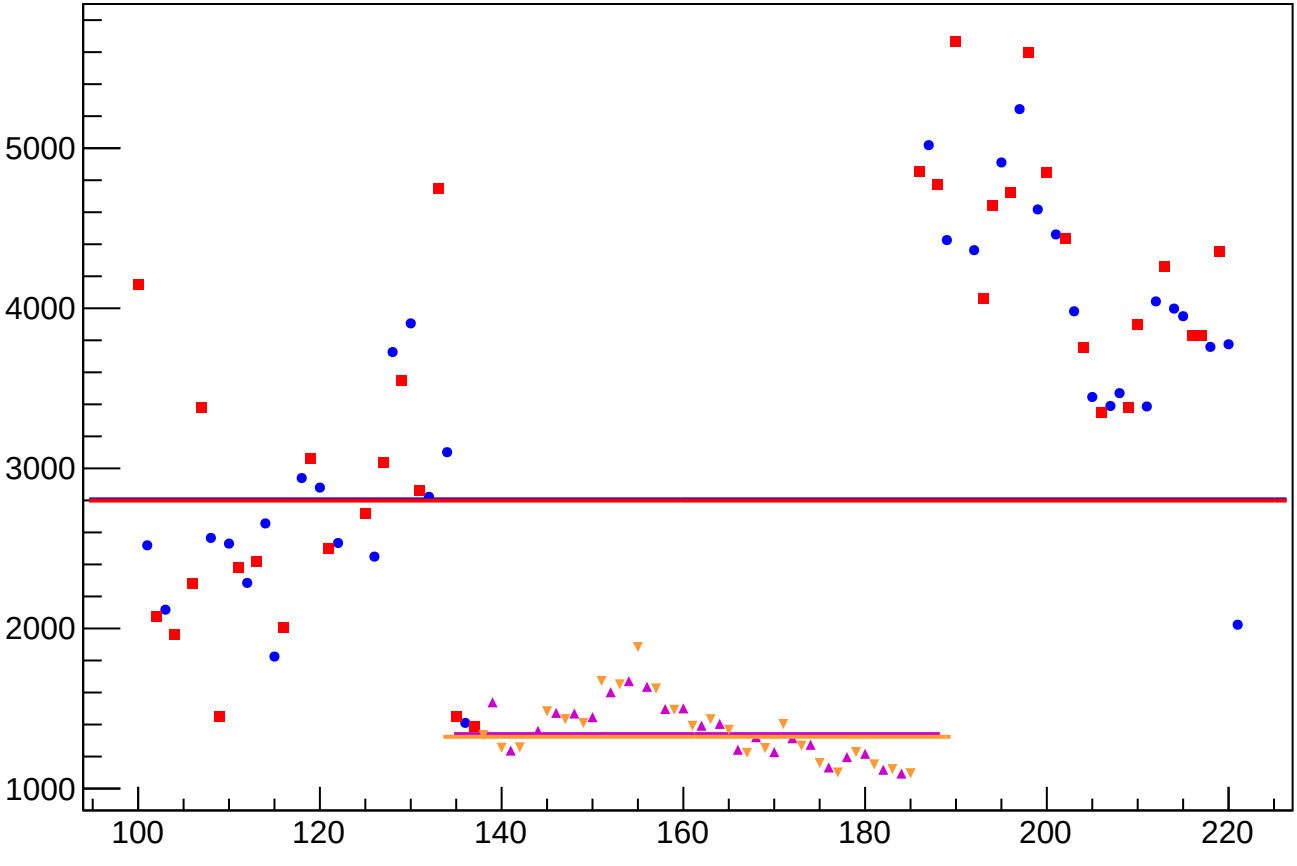
Right: -519.040+/-460.110 χ^2/NDF: 110.4/68

In: -301.447+/-282.982 χ^2/NDF:96.1/56

Out: -685.708+/-281.248 χ^2/NDF:110.5/58

All: -494.758+/-199.483 χ^2/NDF: 207.5/115

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: 2798.917+/-0.469 χ^2/NDF: 6185462.1/34

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

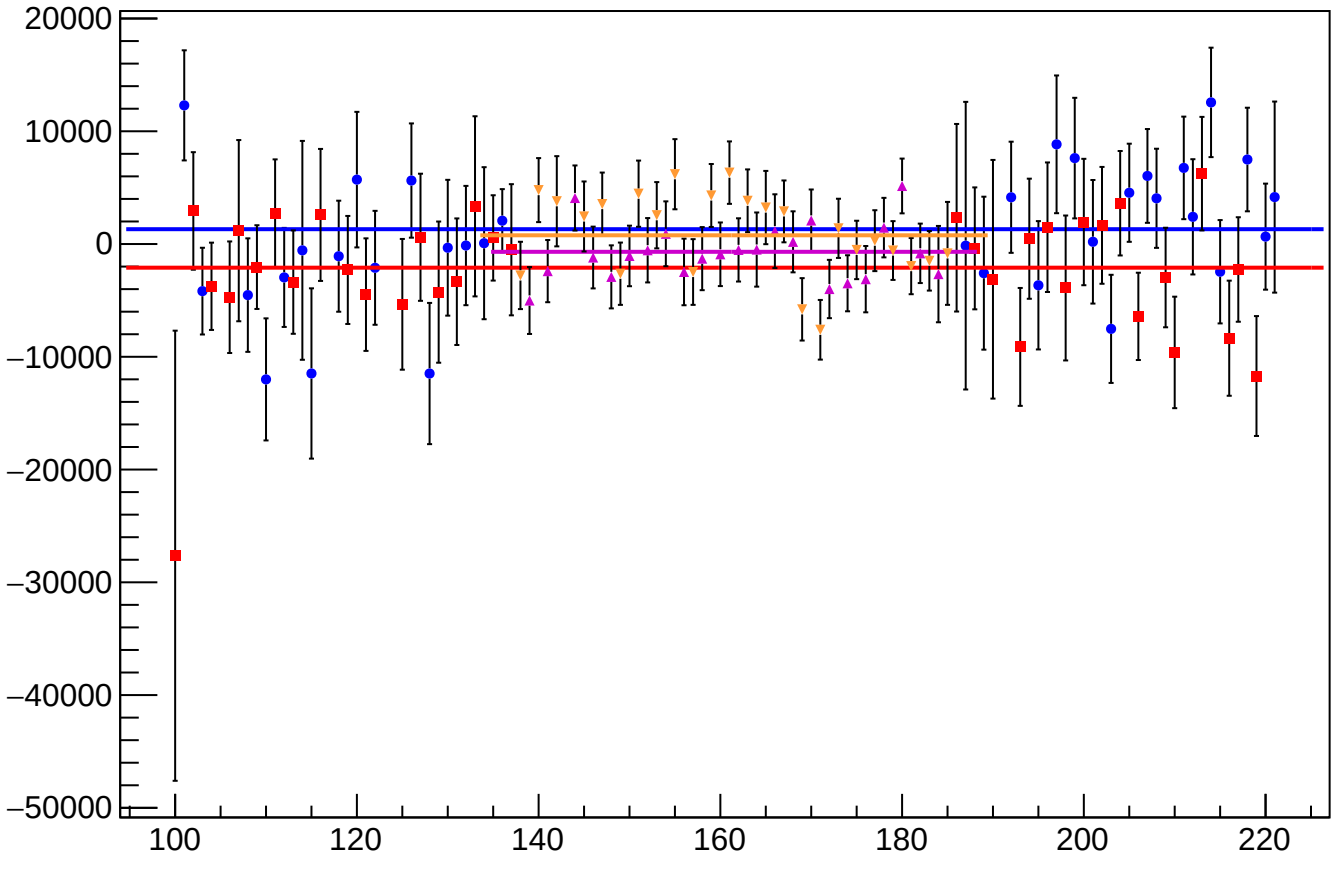
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2802.688+/-0.325 χ^2/NDF: 11377070.6/68

In: 1627.220+/-0.200 χ^2/NDF:14140653.9/56

Out: 1589.269+/-0.199 χ^2/NDF:14980885.3/58

All: 1608.128+/-0.141 χ^2/NDF: 29139635.4/1



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: -2097.505+/-879.966 χ^2/NDF: 23.5/34

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

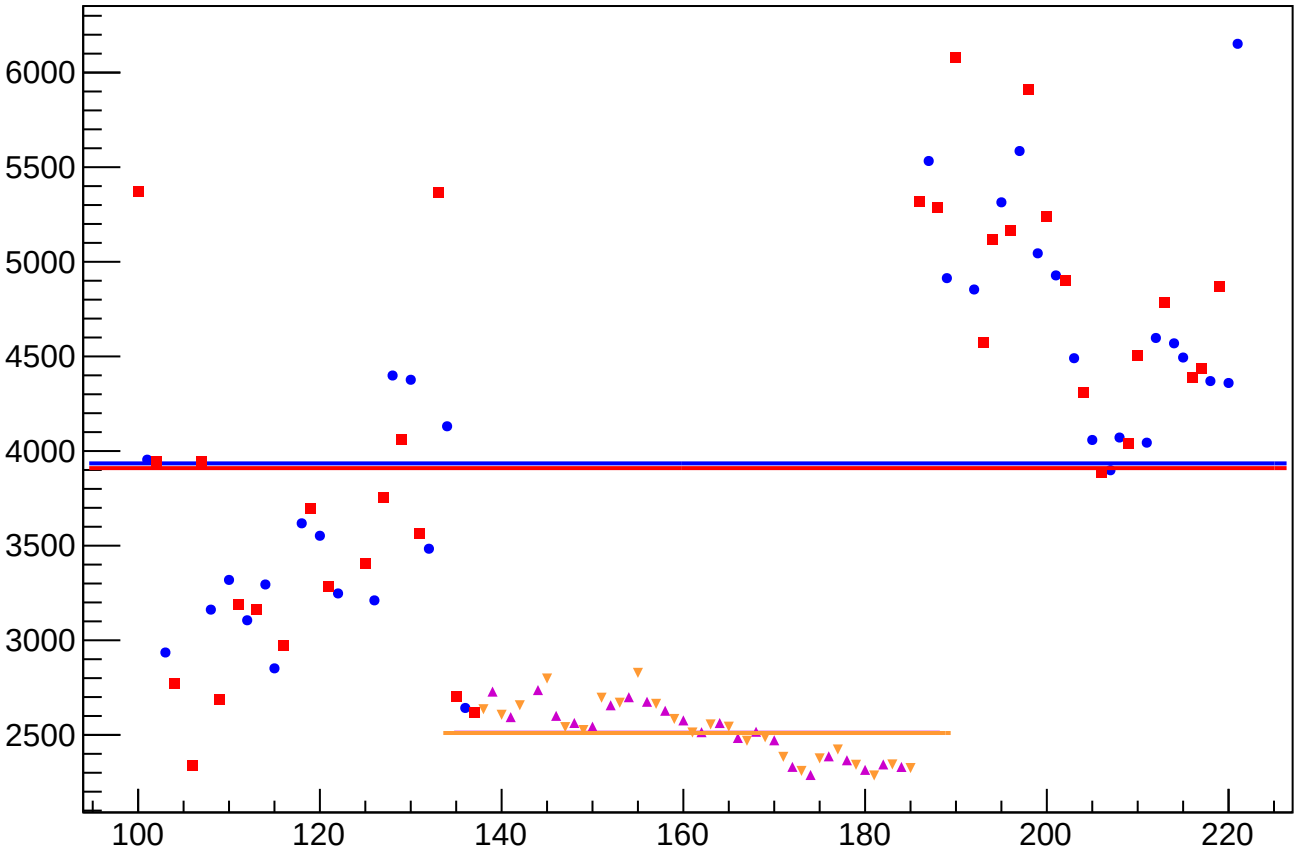
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -363.981+/-617.309 χ^2/NDF: 75.4/68

In: -58.122+/-486.177 χ^2/NDF:66.2/56

Out: -102.835+/-486.413 χ^2/NDF:70.2/58

All: -80.467+/-343.863 χ^2/NDF: 136.5/115



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: 3909.722+/-0.622 χ^2/NDF: 2280879.0/34

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

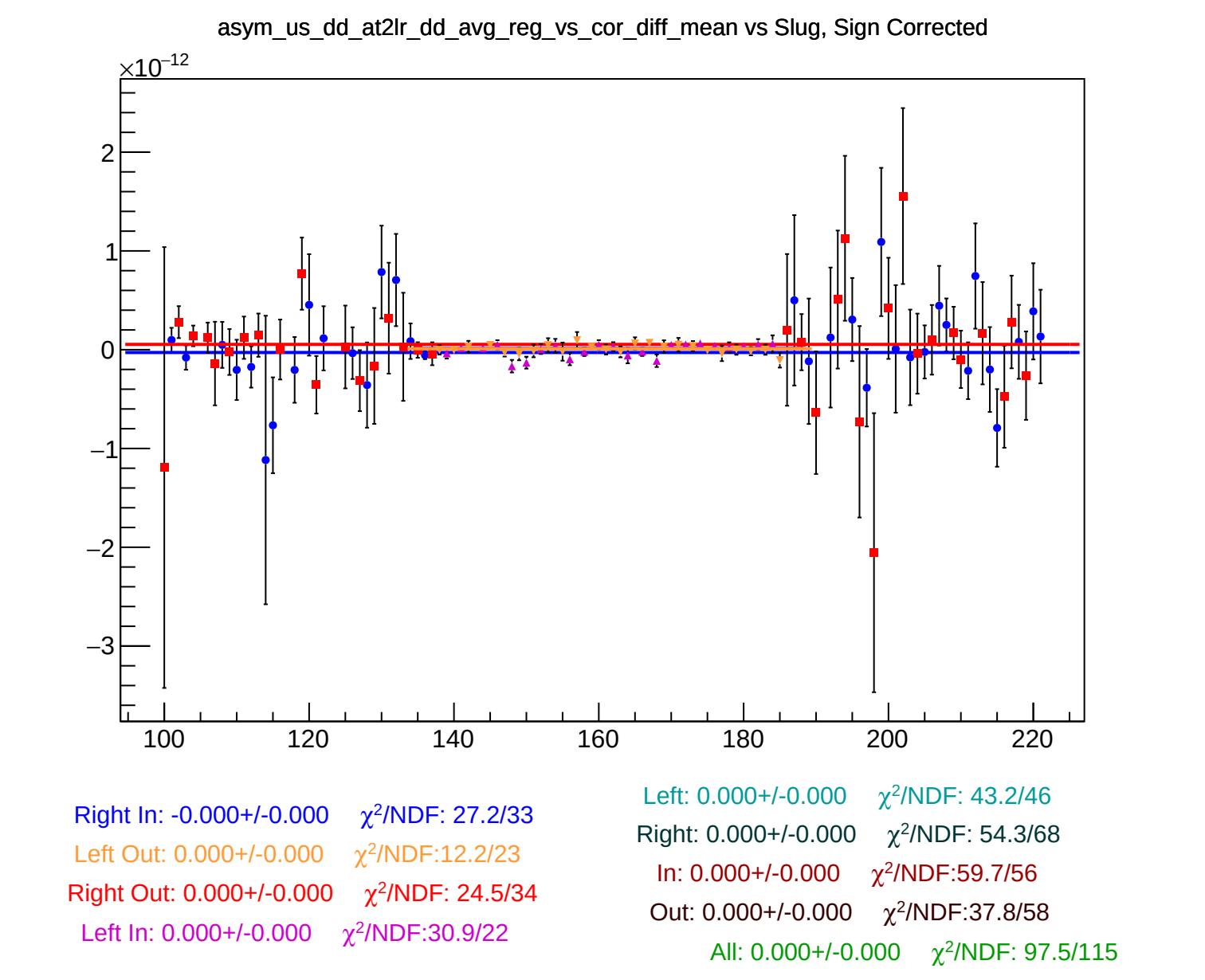
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

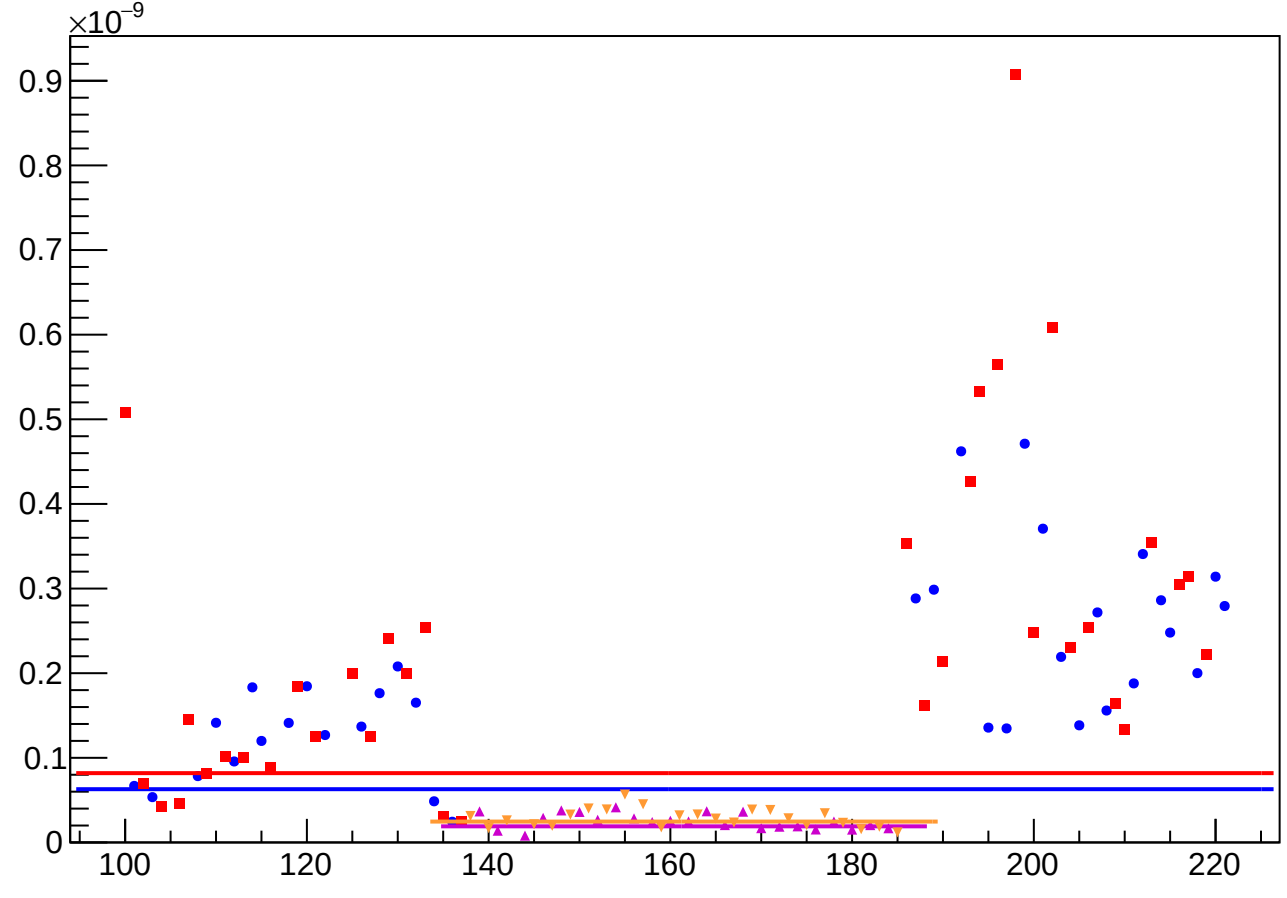
Right: 3922.445+/-0.437 χ^2/NDF: 4027899.2/68

In: 2959.943+/-0.344 χ^2/NDF:5557695.3/56

Out: 2937.734+/-0.344 χ^2/NDF:5923390.0/58

All: 2948.844+/-0.243 χ^2/NDF: 11483171.0/1


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.2/33
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 24.5/34
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 54.3/68
In: 0.000+/-0.000 χ²/NDF:59.7/56
Out: 0.000+/-0.000 χ²/NDF:37.8/58
All: 0.000+/-0.000 χ²/NDF: 97.5/115



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: 8984943.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

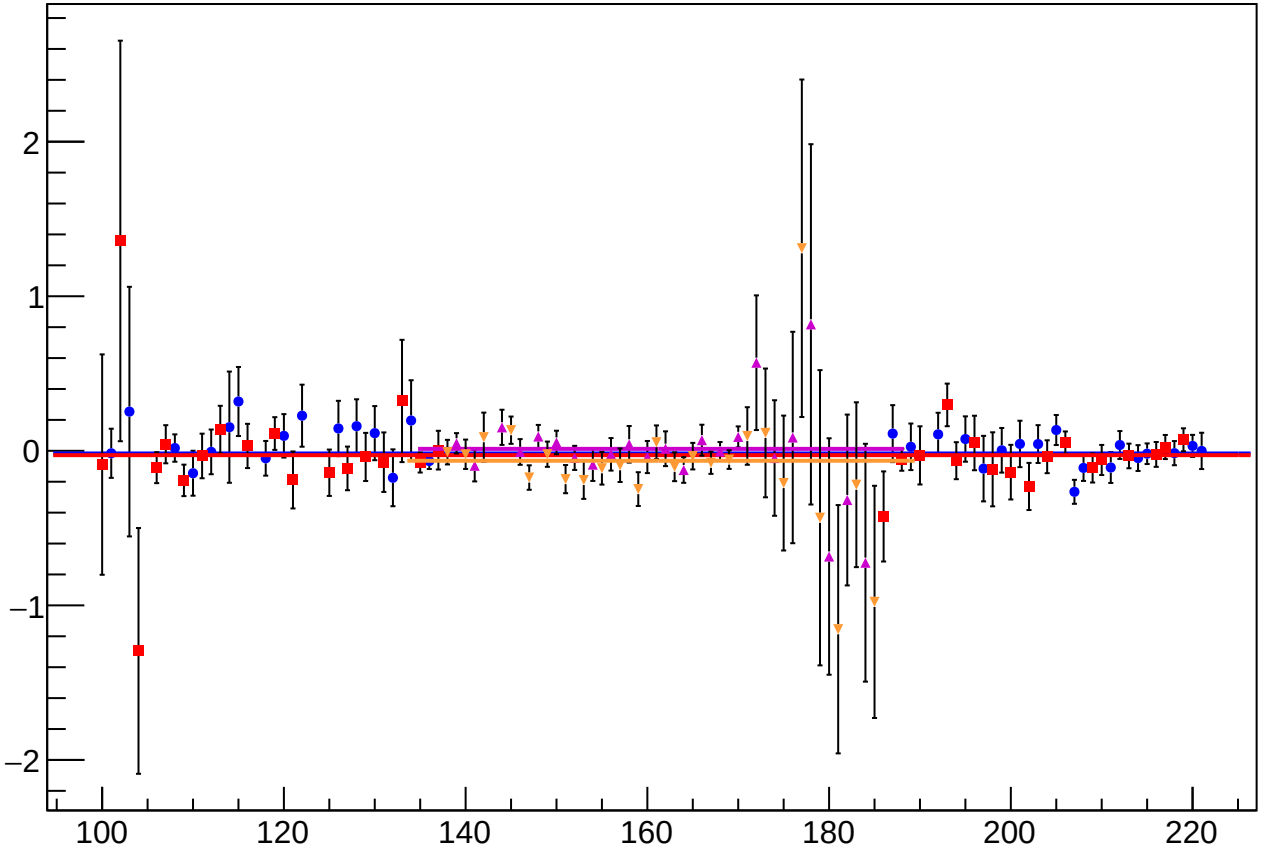
Right: 0.000+/-0.000 χ^2/NDF: 18590399.2/68

In: 0.000+/-0.000 χ^2/NDF:14952644.6/56

Out: 0.000+/-0.000 χ^2/NDF:14200326.3/58

All: 0.000+/-0.000 χ^2/NDF: 29614259.1/115

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: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

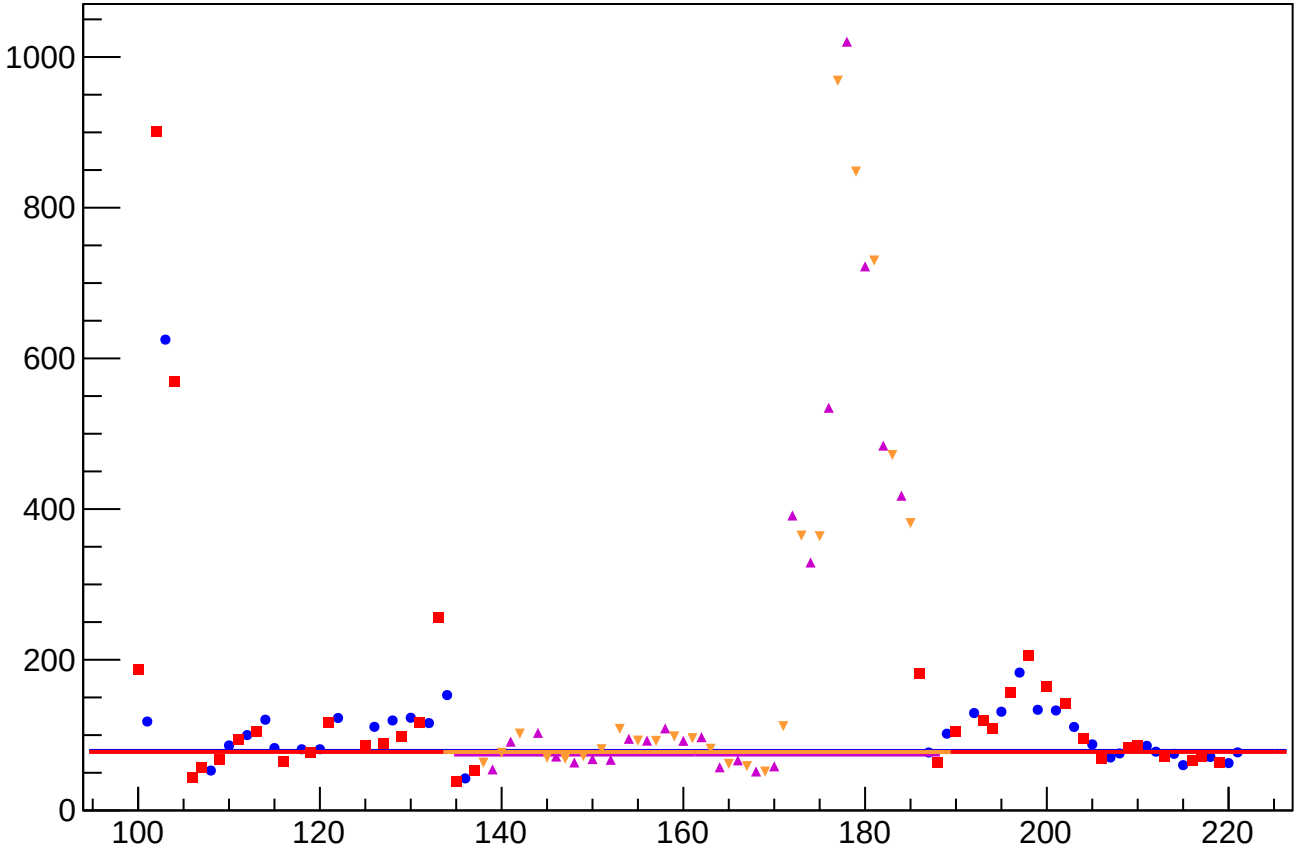
Right: -0.023+/-0.014 χ^2/NDF: 56.8/68

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.023+/-0.010 χ^2/NDF: 100.5/115

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: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

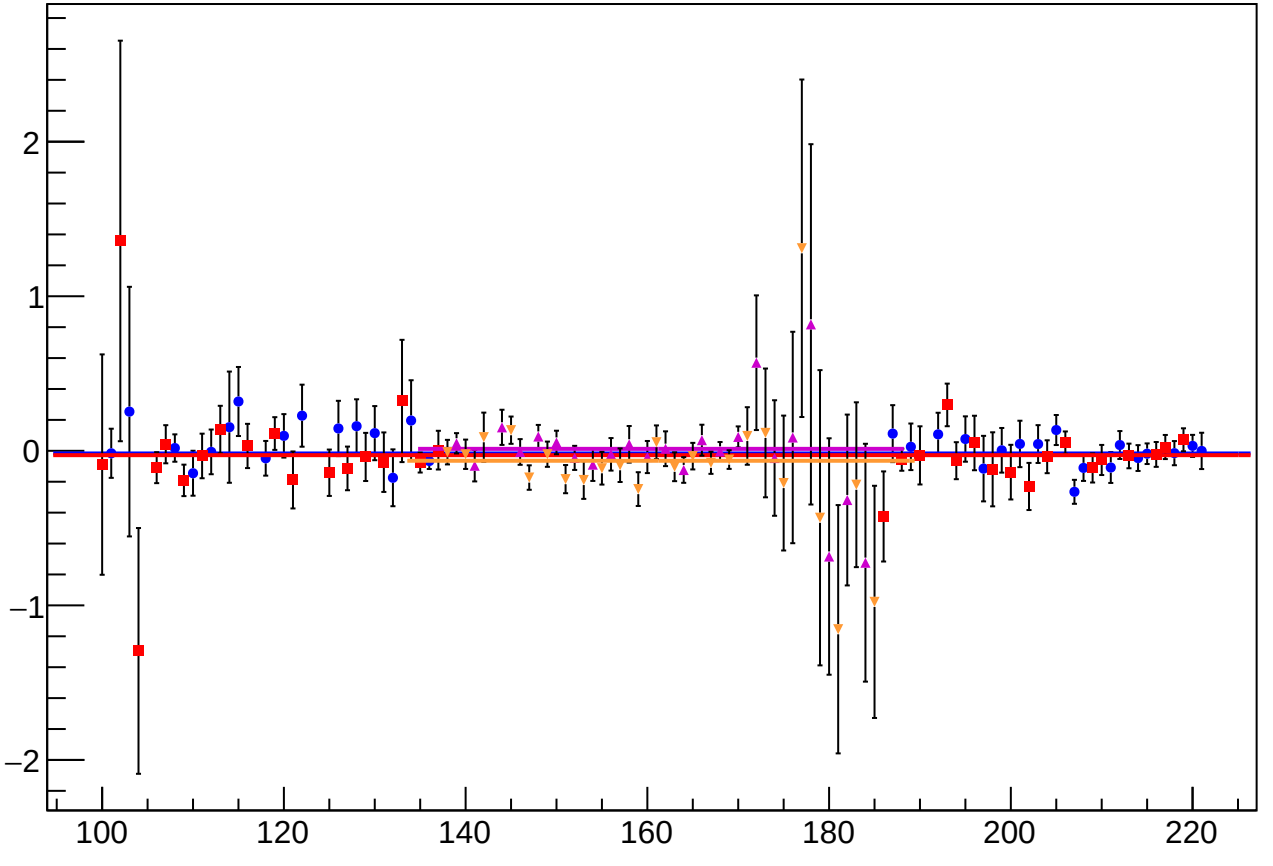
Right: 78.365+/-0.010 χ^2/NDF: 11210205.7/68

In: 76.848+/-0.010 χ^2/NDF:13547577.5/56

Out: 77.633+/-0.010 χ^2/NDF:14559887.6/58

All: 77.228+/-0.007 χ^2/NDF: 28110445.0/115

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: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

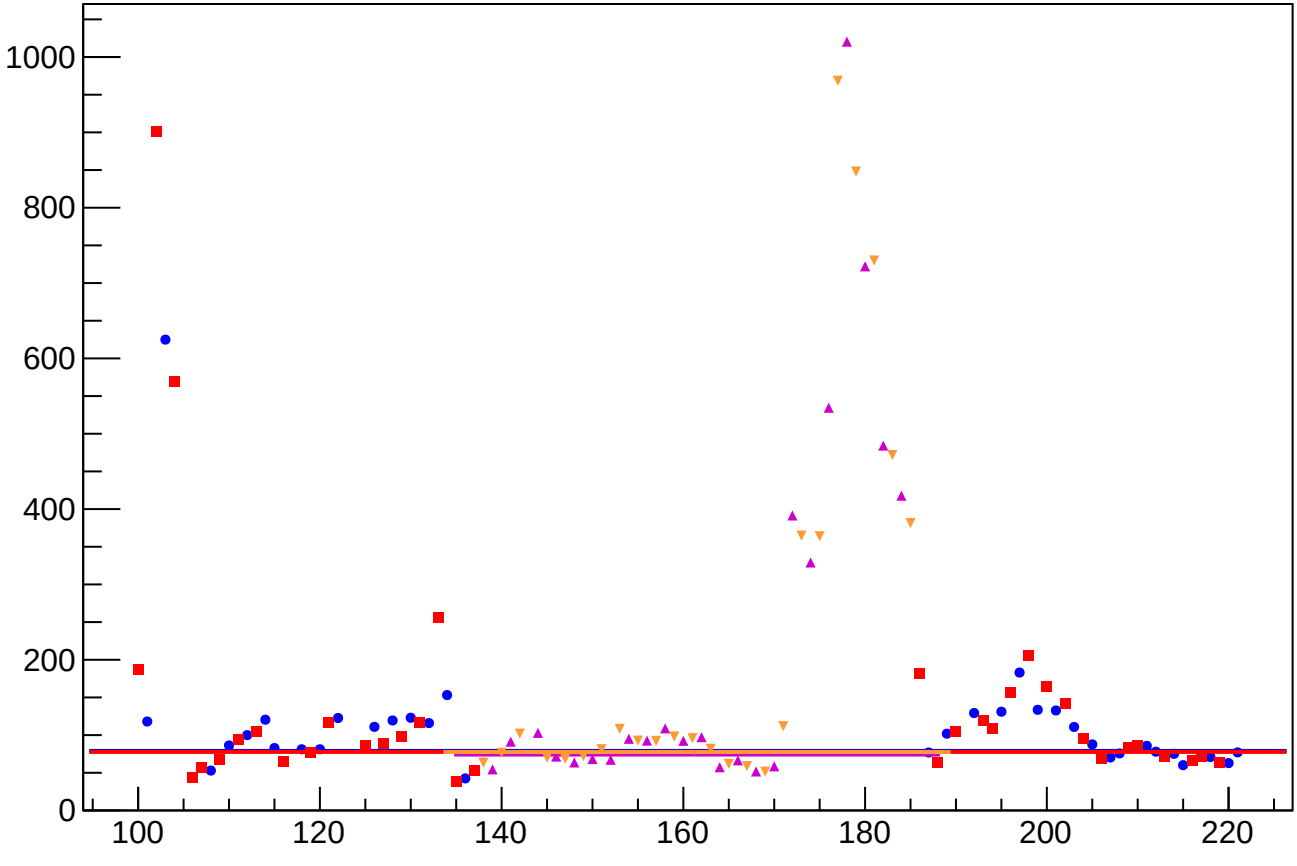
Right: -0.023+/-0.014 χ^2/NDF: 56.8/68

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.023+/-0.010 χ^2/NDF: 100.5/115

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: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

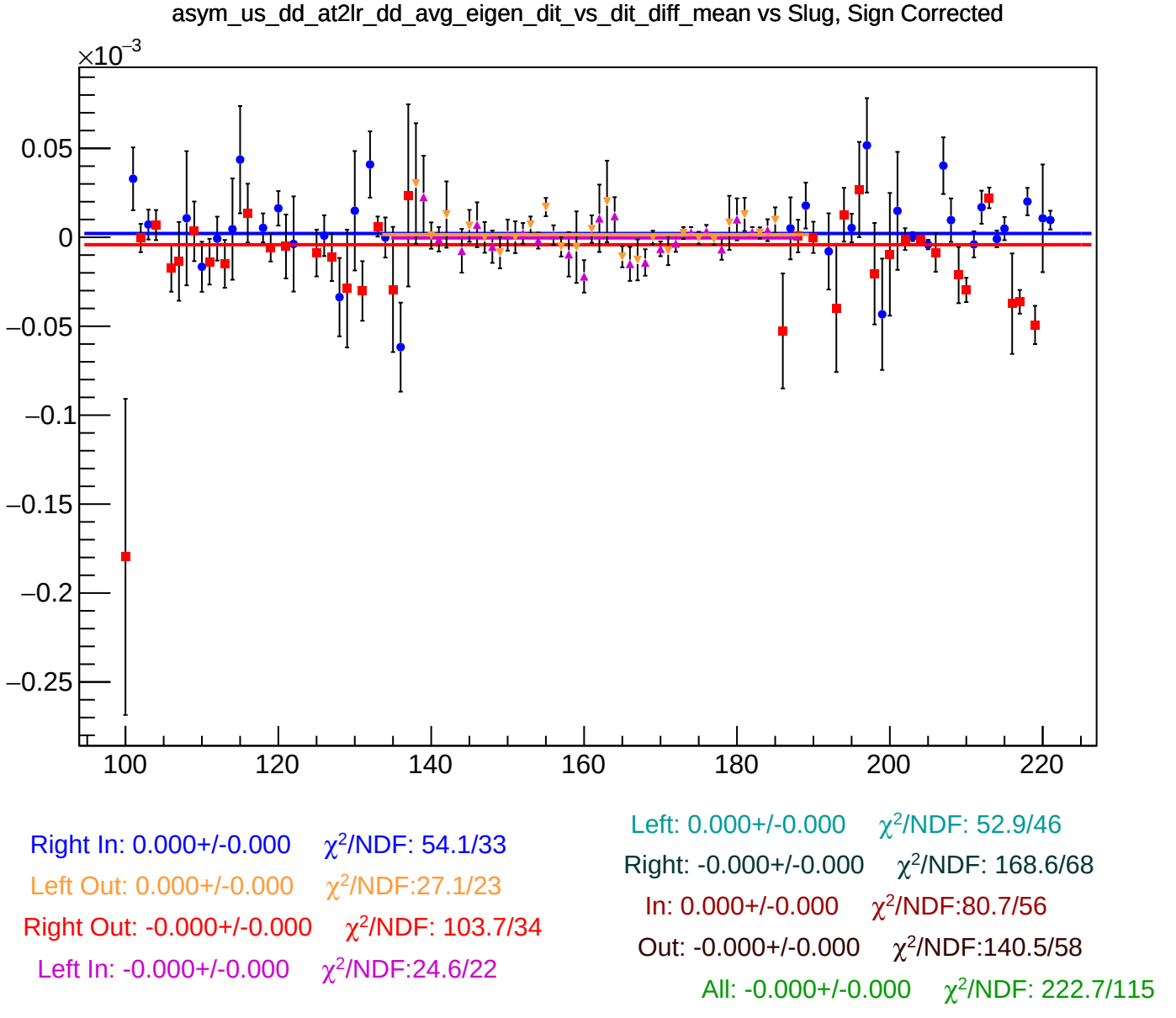
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 78.365+/-0.010 χ^2/NDF: 11210205.7/68

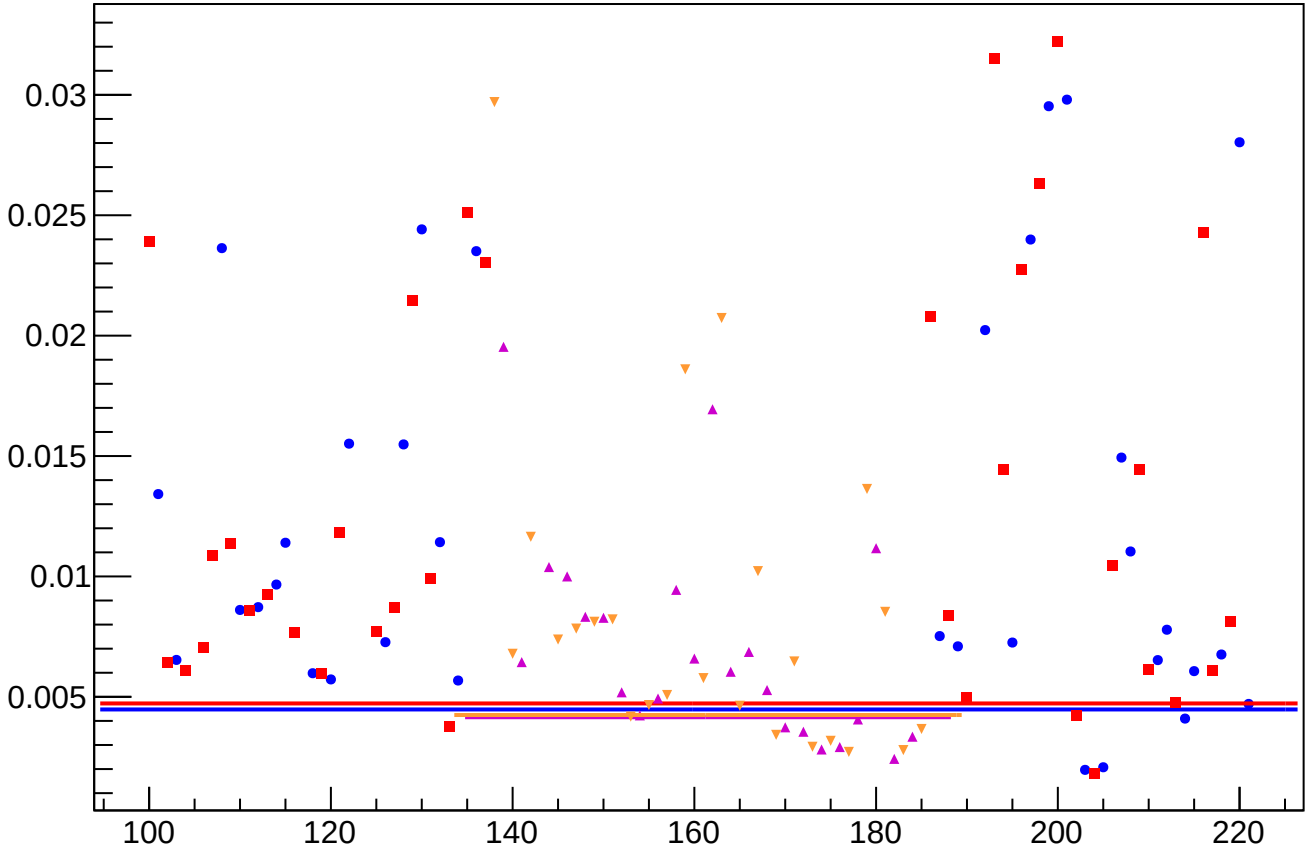
In: 76.848+/-0.010 χ^2/NDF:13547577.5/56

Out: 77.633+/-0.010 χ^2/NDF:14559887.6/58

All: 77.228+/-0.007 χ^2/NDF: 28110445.0/115


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: 103.7/34
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: 168.6/68
In: 0.000+/-0.000 χ²/NDF:80.7/56
Out: -0.000+/-0.000 χ²/NDF:140.5/58
All: -0.000+/-0.000 χ²/NDF: 222.7/115

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: 0.005+/-0.000 χ^2/NDF: 16137553.5/34

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

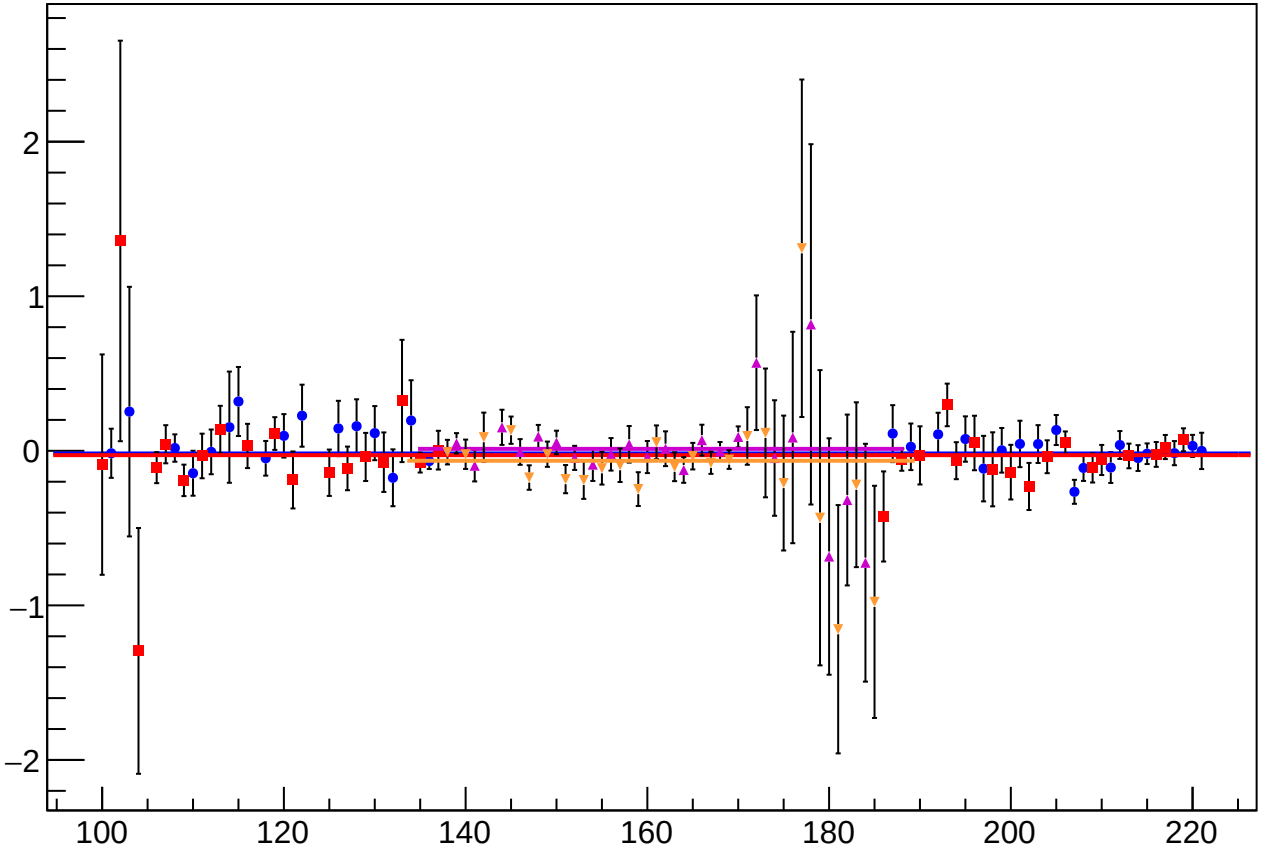
Right: 0.005+/-0.000 χ^2/NDF: 33131468.1/68

In: 0.004+/-0.000 χ^2/NDF:23912991.1/56

Out: 0.004+/-0.000 χ^2/NDF:24927971.4/58

All: 0.004+/-0.000 χ^2/NDF: 48866439.5/115

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: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

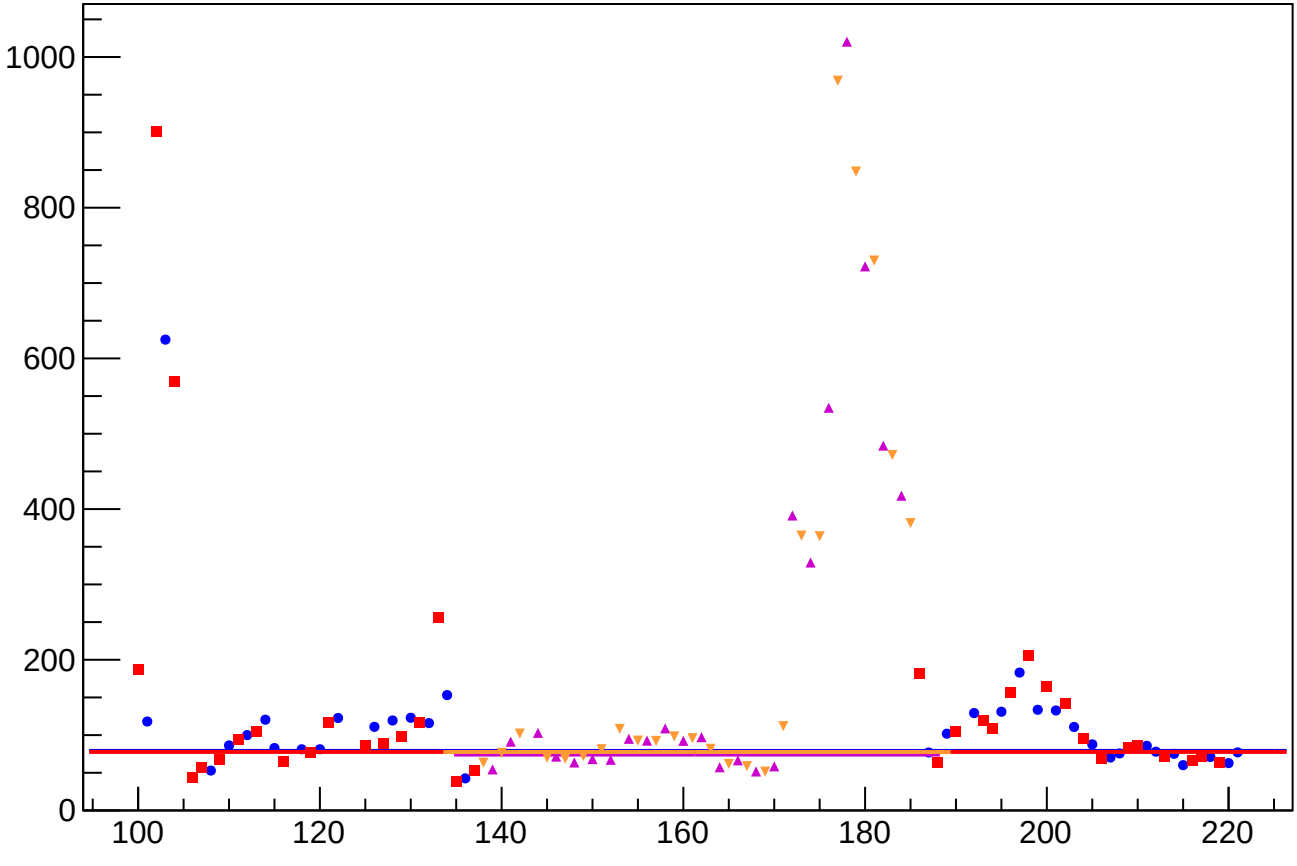
Right: -0.023+/-0.014 χ^2/NDF: 56.8/68

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.023+/-0.010 χ^2/NDF: 100.5/115

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: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

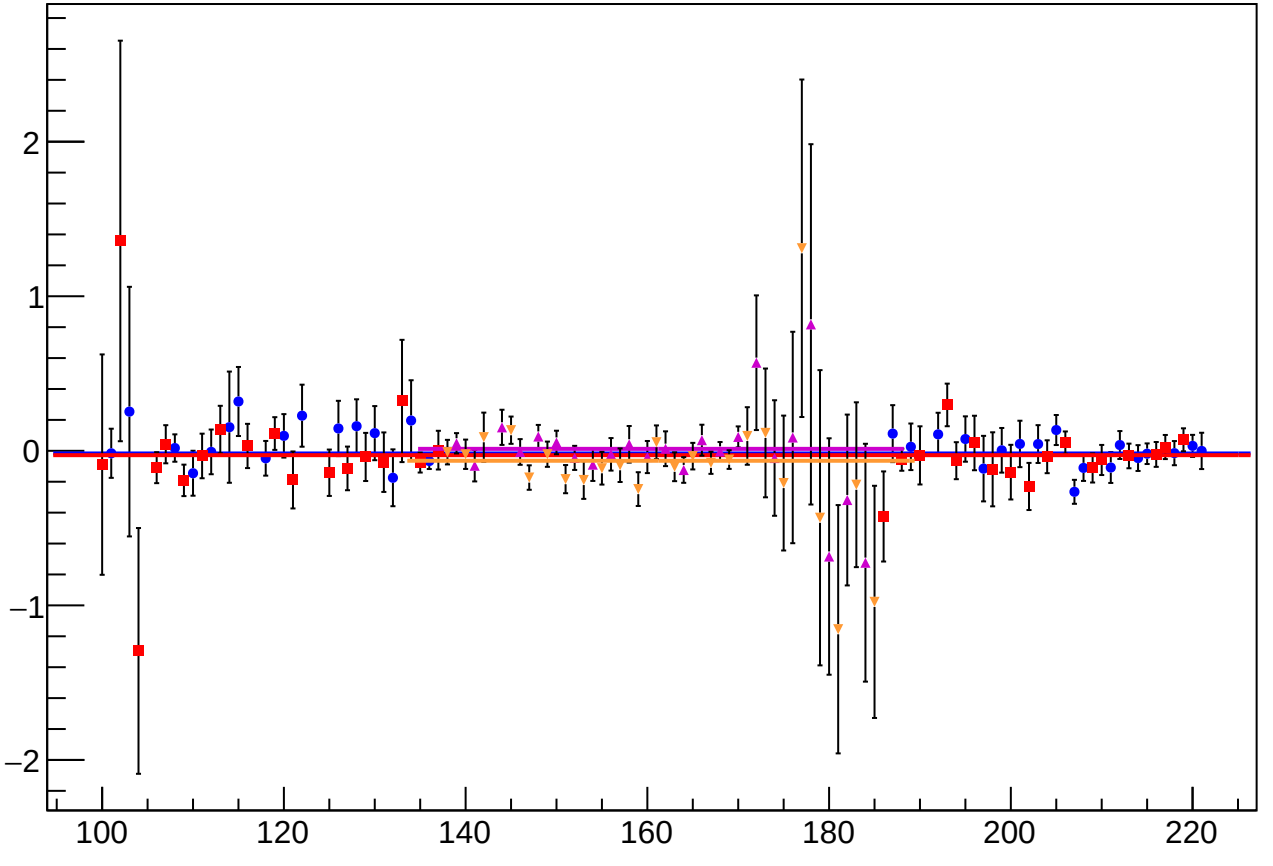
Right: 78.367+/-0.010 χ^2/NDF: 11208886.7/68

In: 76.854+/-0.010 χ^2/NDF:13544634.5/56

Out: 77.631+/-0.010 χ^2/NDF:14561220.1/58

All: 77.230+/-0.007 χ^2/NDF: 28108773.8/115

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: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

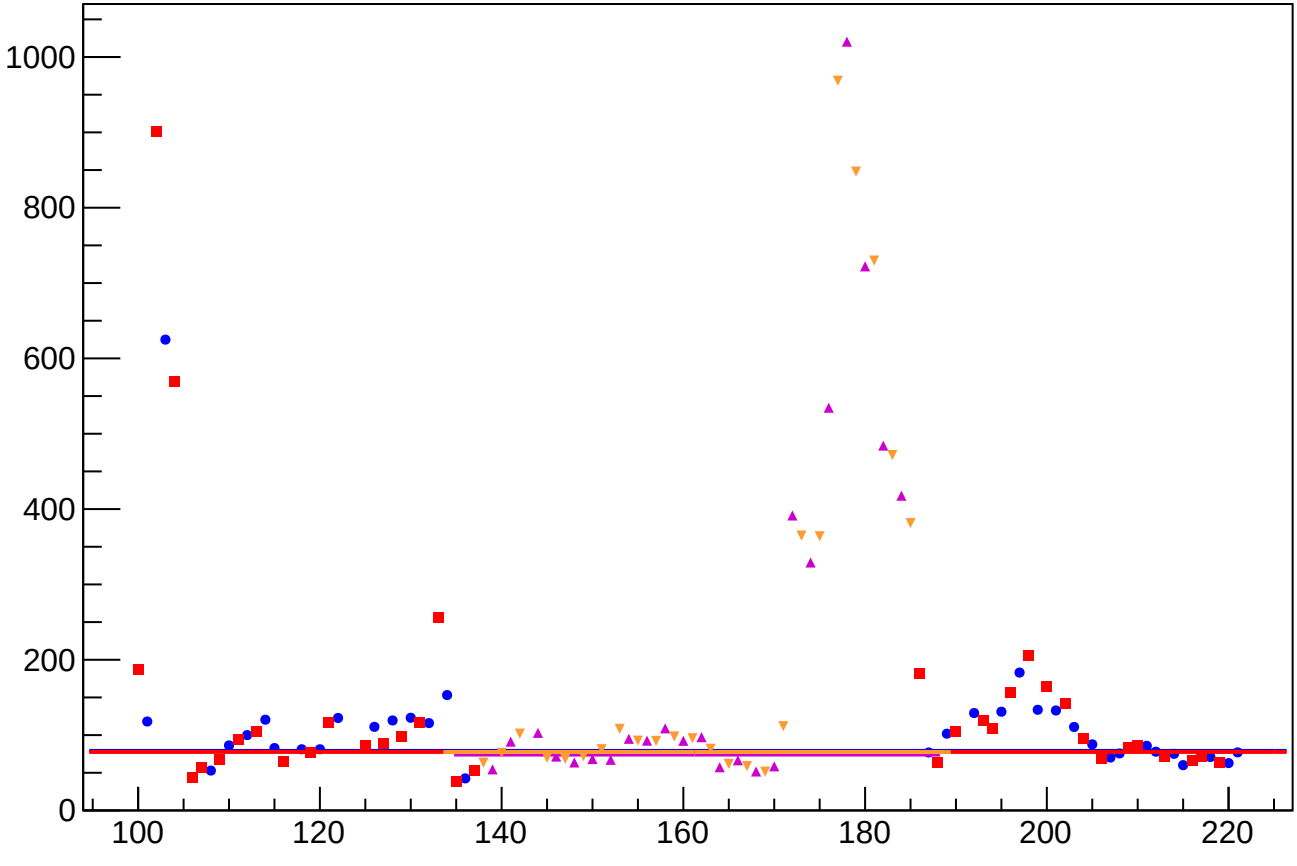
Right: -0.023+/-0.014 χ^2/NDF: 56.8/68

In: -0.004+/-0.014 χ^2/NDF:44.7/56

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.023+/-0.010 χ^2/NDF: 100.5/115

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: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

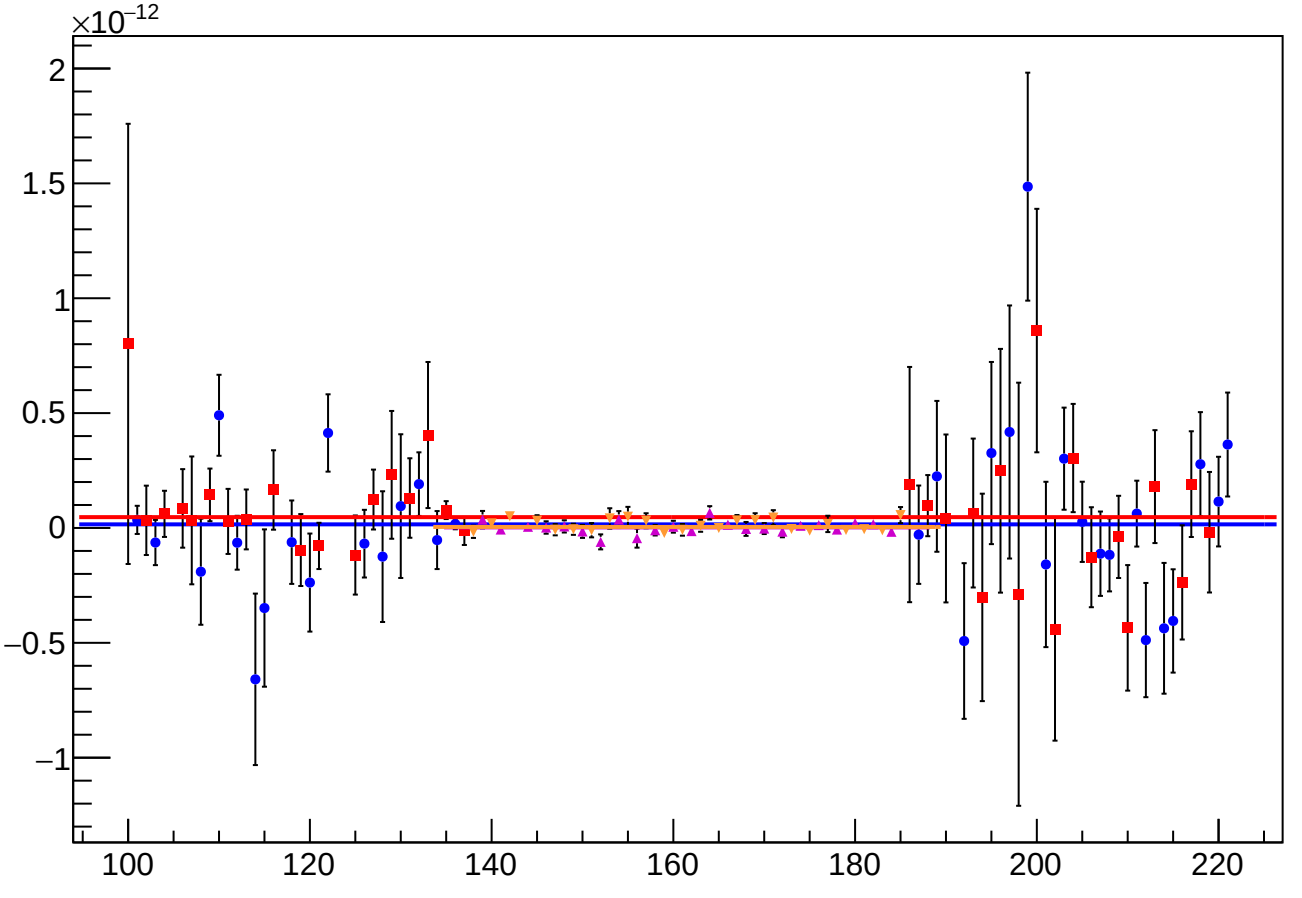
Right: 78.367+/-0.010 χ^2/NDF: 11208886.7/68

In: 76.854+/-0.010 χ^2/NDF:13544634.5/56

Out: 77.631+/-0.010 χ^2/NDF:14561220.1/58

All: 77.230+/-0.007 χ^2/NDF: 28108773.8/115

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: 20.8/34

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

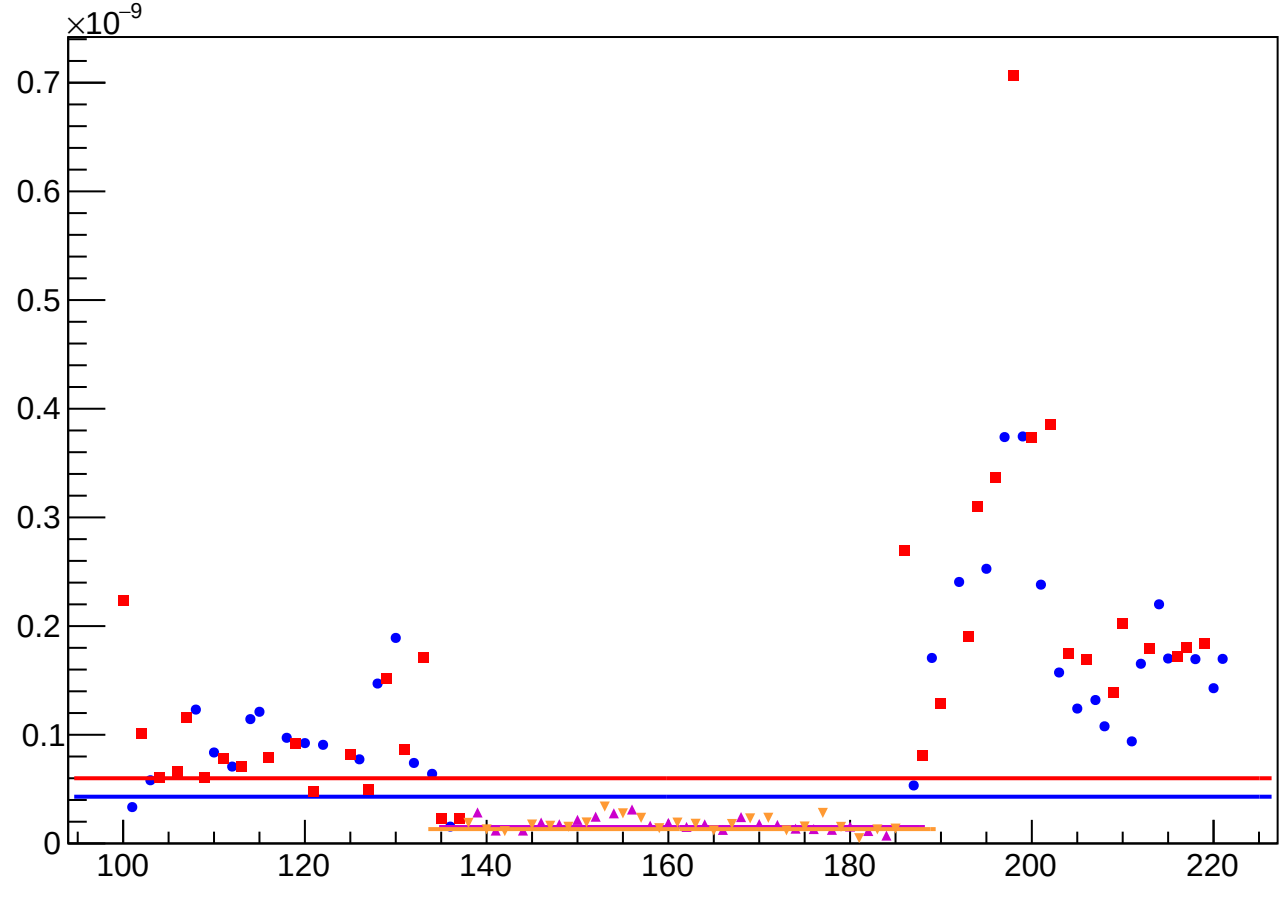
Right: 0.000+/-0.000 χ^2/NDF: 75.2/68

In: 0.000+/-0.000 χ^2/NDF:71.3/56

Out: 0.000+/-0.000 χ^2/NDF:45.7/58

All: 0.000+/-0.000 χ^2/NDF: 117.2/115

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14449888.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11900325.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

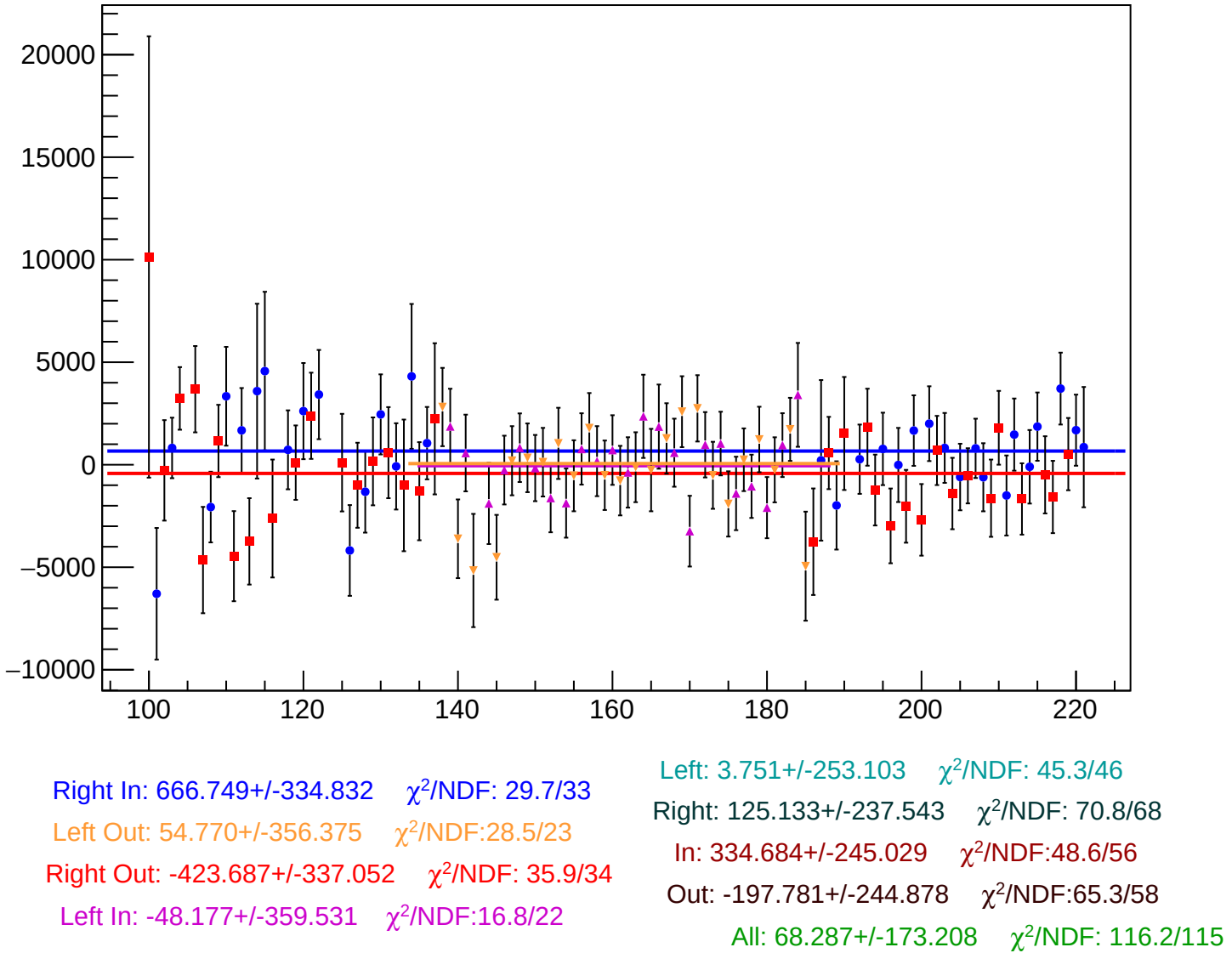
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

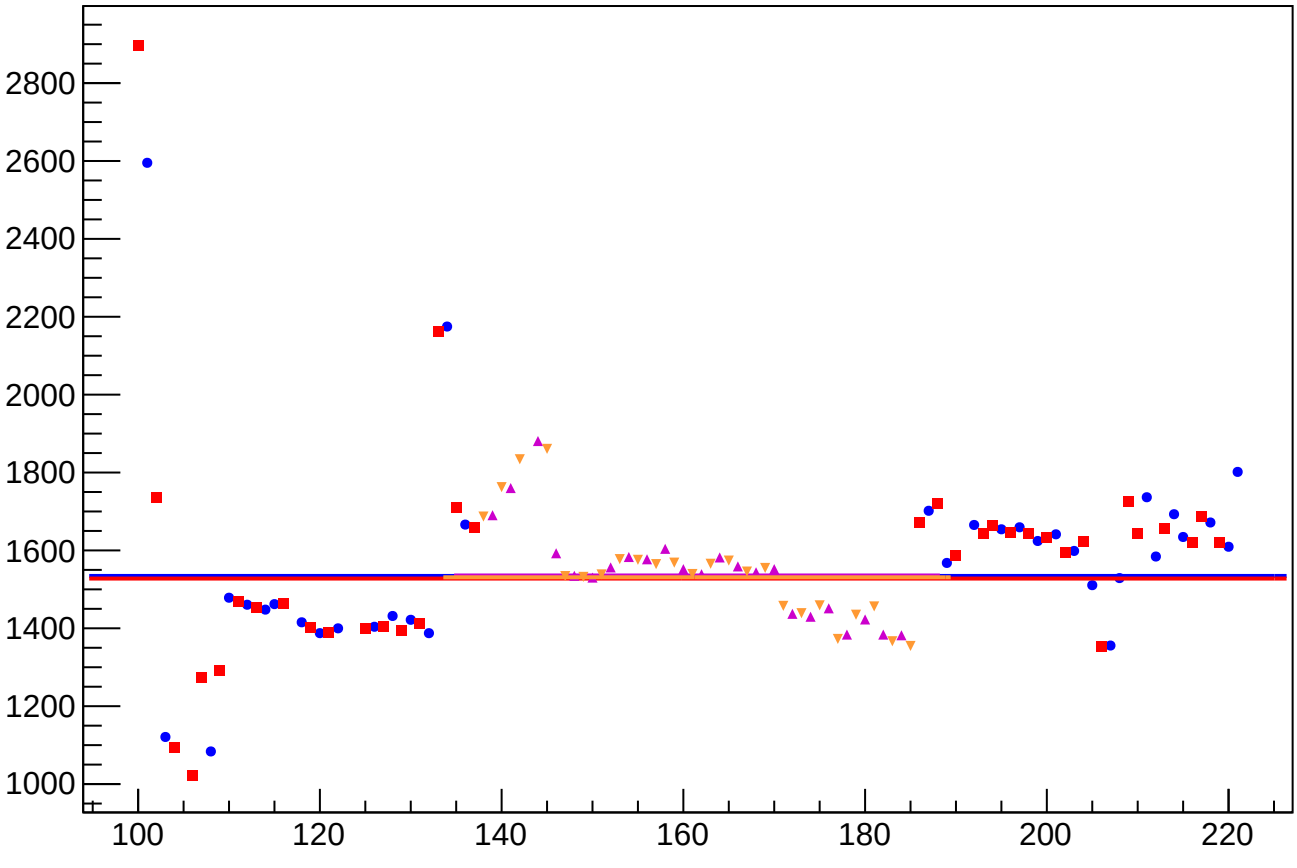
Right: 0.000+/-0.000 χ^2/NDF: 27016174.5/68

In: 0.000+/-0.000 χ^2/NDF:21006583.5/56

Out: 0.000+/-0.000 χ^2/NDF:24050063.3/58

All: 0.000+/-0.000 χ^2/NDF: 45273114.9/115


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 666.749+/-334.832 χ²/NDF: 29.7/33
Left Out: 54.770+/-356.375 χ²/NDF:28.5/23
Right Out: -423.687+/-337.052 χ²/NDF: 35.9/34
Left In: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 3.751+/-253.103 χ²/NDF: 45.3/46
Right: 125.133+/-237.543 χ²/NDF: 70.8/68
In: 334.684+/-245.029 χ²/NDF:48.6/56
Out: -197.781+/-244.878 χ²/NDF:65.3/58
All: 68.287+/-173.208 χ²/NDF: 116.2/115



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: 1527.739+/-0.238 χ^2/NDF: 706873.0/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

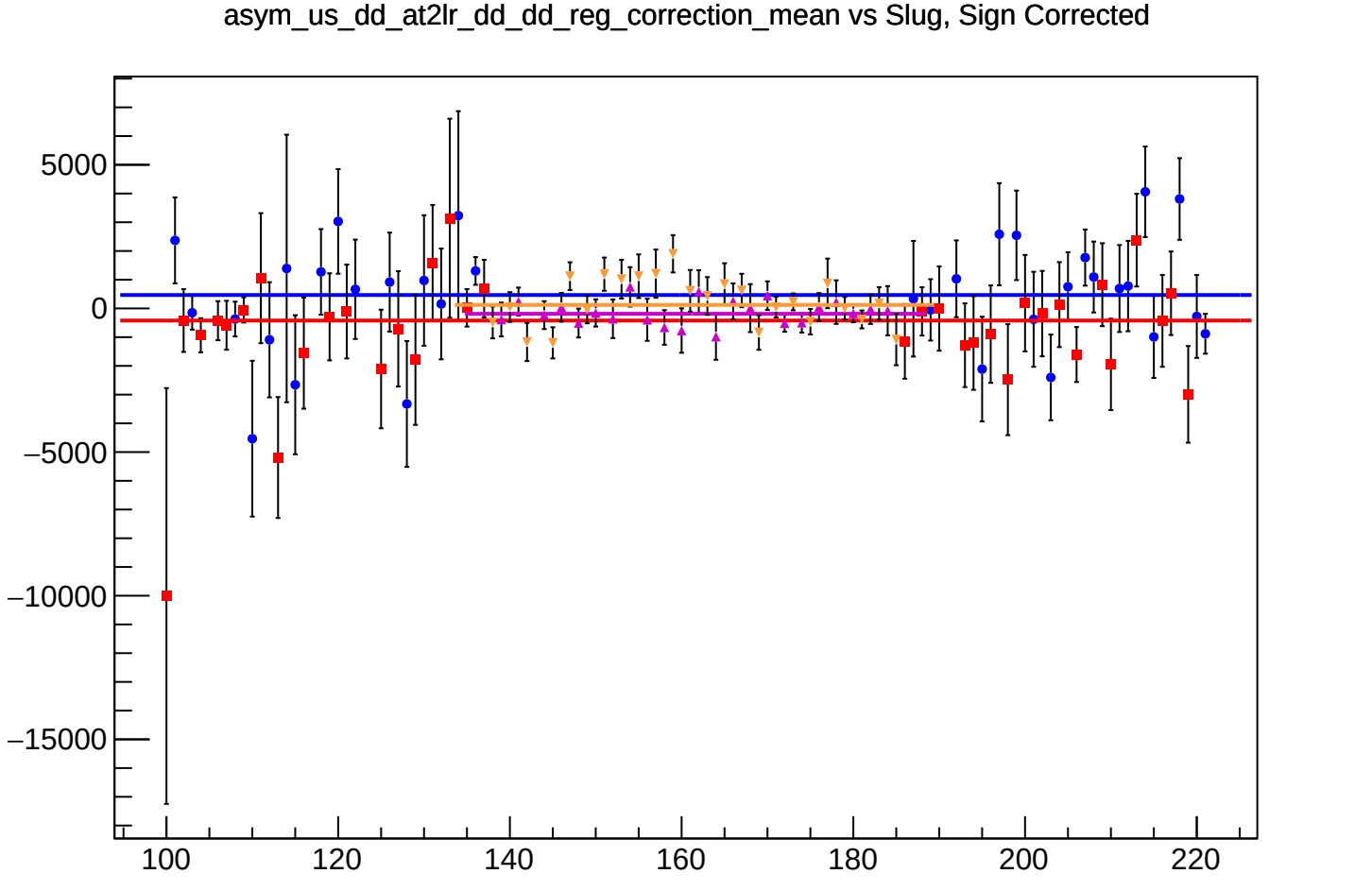
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1531.118+/-0.168 χ^2/NDF: 1512968.6/68

In: 1534.963+/-0.173 χ^2/NDF:998138.8/56

Out: 1529.267+/-0.173 χ^2/NDF:910499.8/58

All: 1532.113+/-0.122 χ^2/NDF: 1909179.3/11



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: -420.401+/-192.191 χ^2/NDF: 25.6/34

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

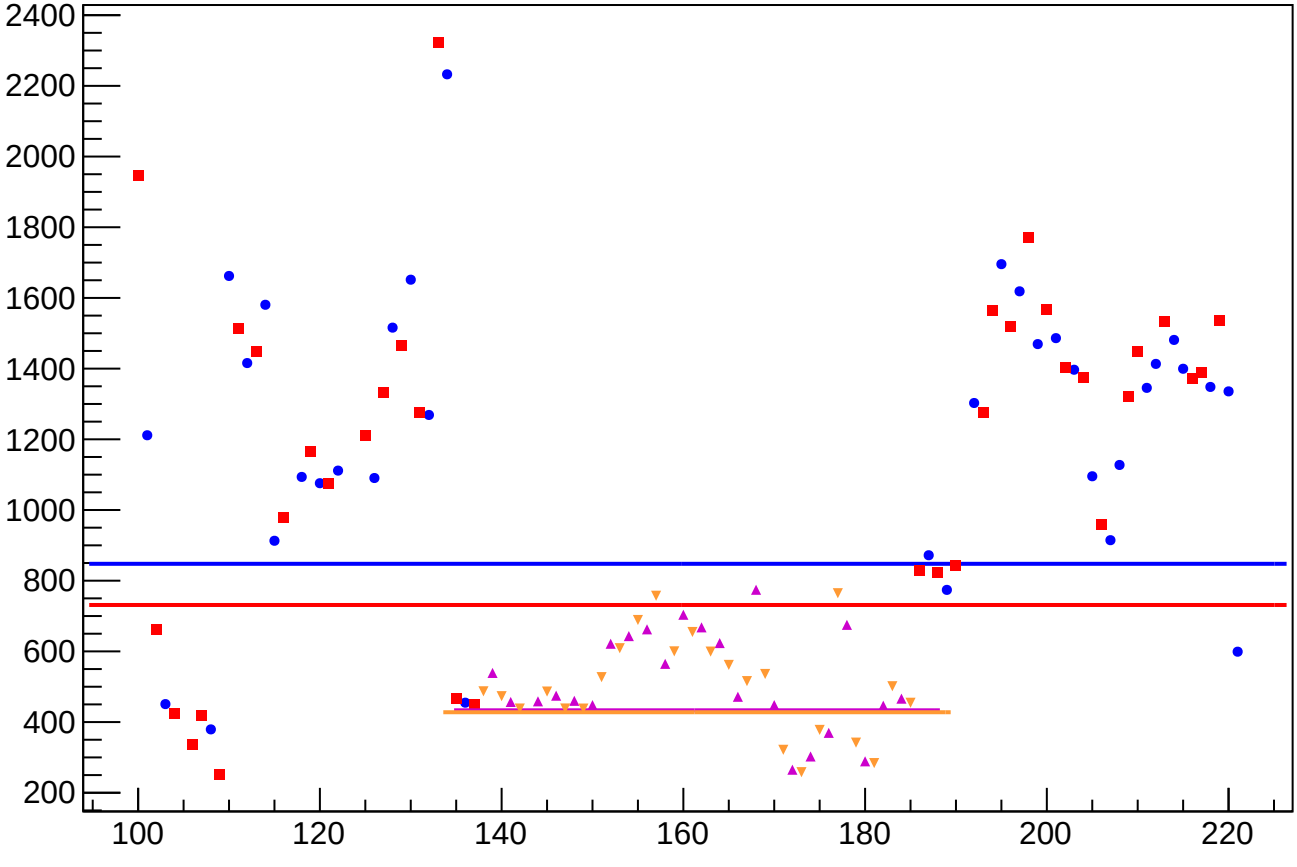
Right: -4.681+/-140.138 χ^2/NDF: 82.5/68

In: -46.594+/-94.817 χ^2/NDF:66.5/56

Out: -3.307+/-92.185 χ^2/NDF:75.4/58

All: -24.342+/-66.096 χ^2/NDF: 142.0/115

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: 731.276+/-0.136 χ^2/NDF: 11944672.6/34

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

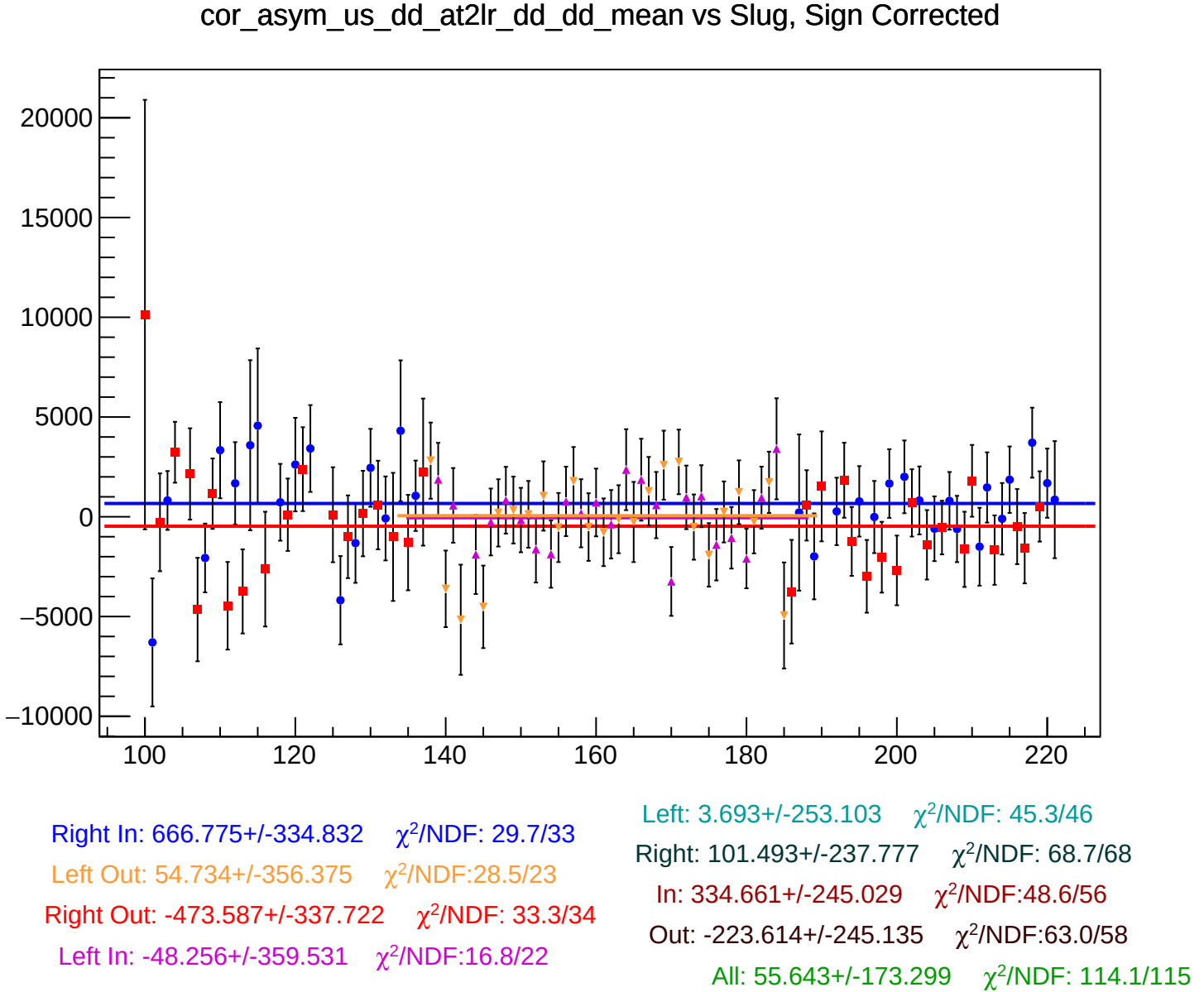
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

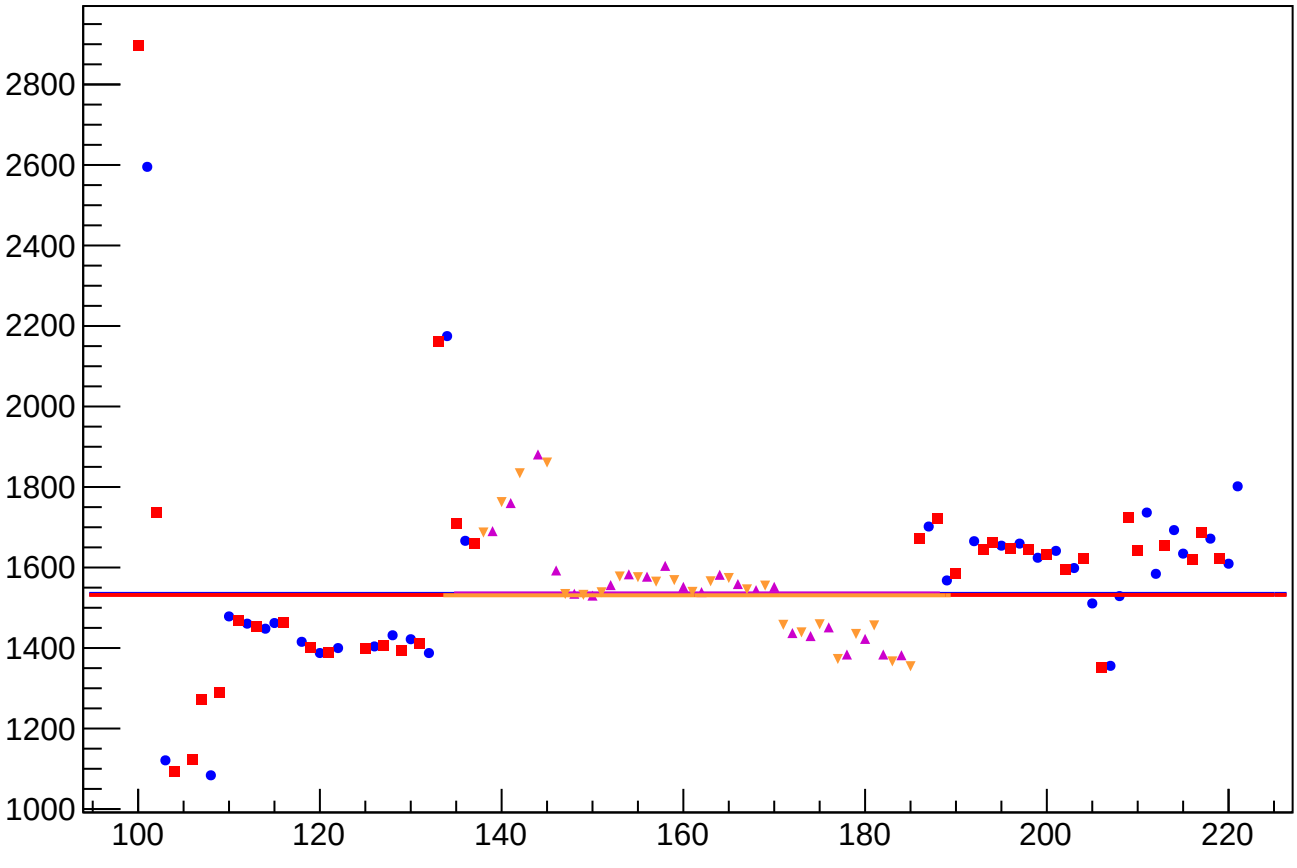
Right: 785.834+/-0.099 χ^2/NDF: 21194323.4/68

In: 522.147+/-0.067 χ^2/NDF:18590709.7/56

Out: 497.631+/-0.065 χ^2/NDF:18971861.5/58

All: 509.544+/-0.047 χ^2/NDF: 37631302.0/11


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
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: -473.587+/-337.722 χ²/NDF: 33.3/34
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 101.493+/-237.777 χ²/NDF: 68.7/68
In: 334.661+/-245.029 χ²/NDF:48.6/56
Out: -223.614+/-245.135 χ²/NDF:63.0/58
All: 55.643+/-173.299 χ²/NDF: 114.1/115



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: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

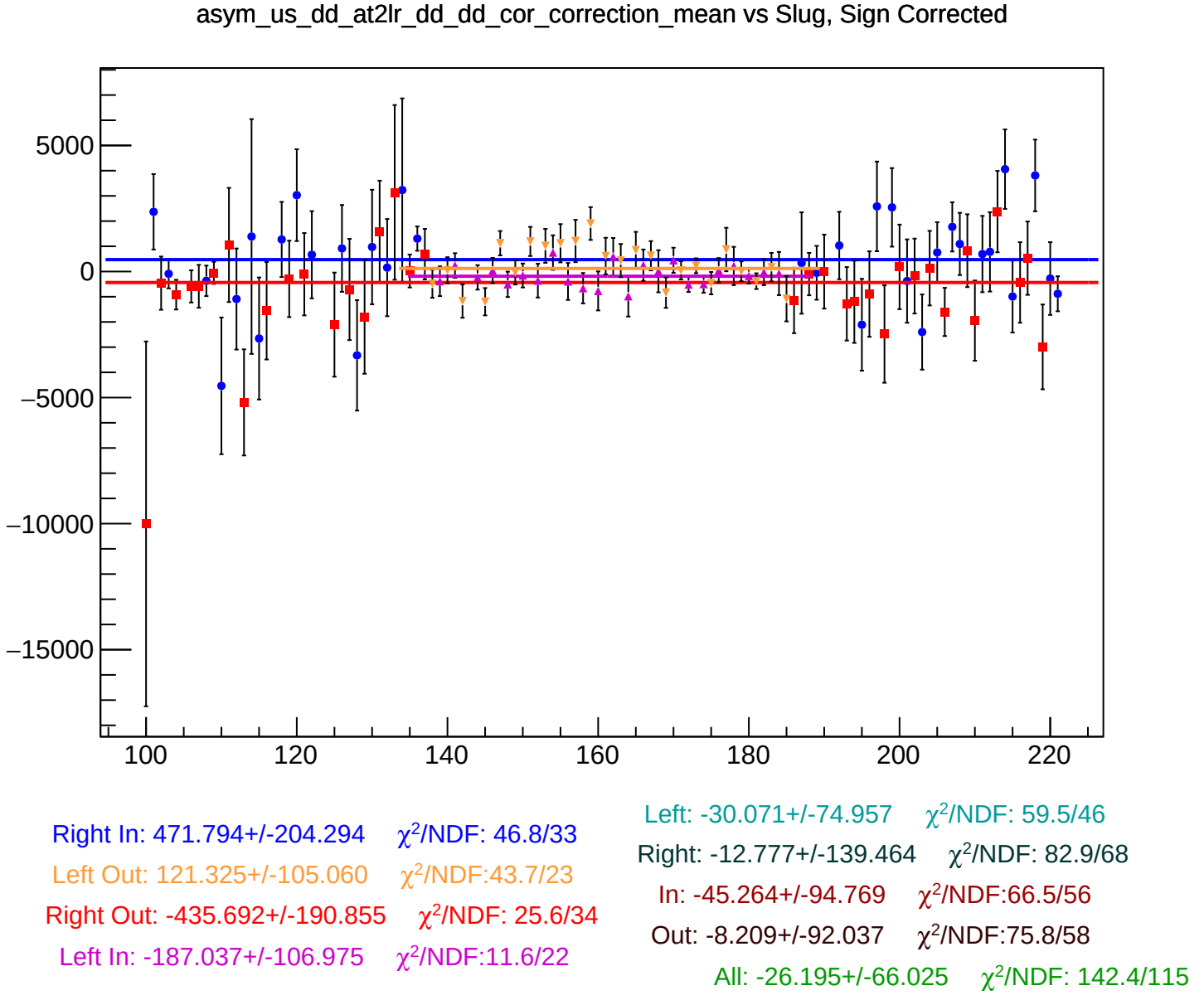
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1533.191+/-0.168 χ^2/NDF: 1460072.2/68

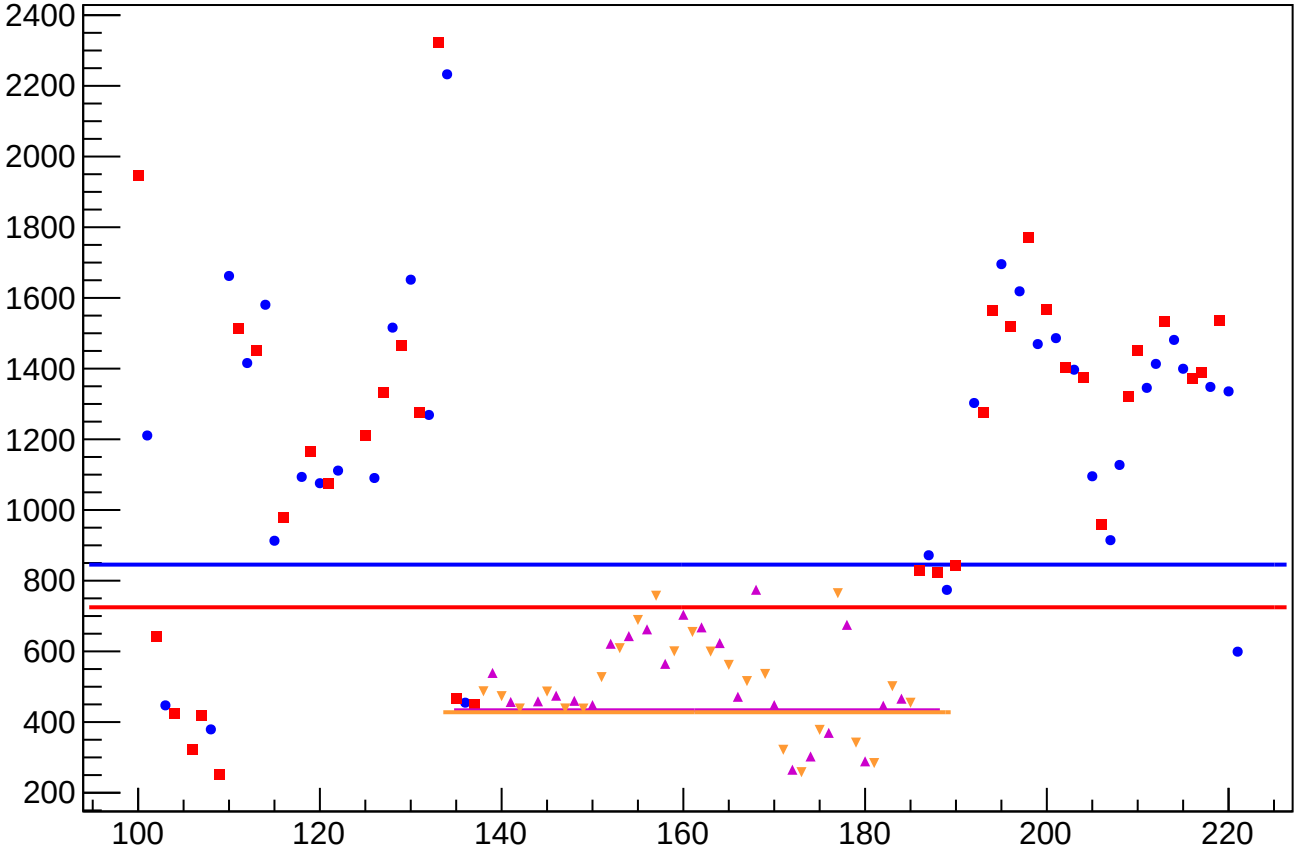
In: 1534.963+/-0.173 χ^2/NDF:998139.2/56

Out: 1531.466+/-0.173 χ^2/NDF:857865.2/58

All: 1533.215+/-0.123 χ^2/NDF: 1856208.0/11


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 471.794+/-204.294 χ²/NDF: 46.8/33
Left Out: 121.325+/-105.060 χ²/NDF:43.7/23
Right Out: -435.692+/-190.855 χ²/NDF: 25.6/34
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -12.777+/-139.464 χ²/NDF: 82.9/68
In: -45.264+/-94.769 χ²/NDF:66.5/56
Out: -8.209+/-92.037 χ²/NDF:75.8/58
All: -26.195+/-66.025 χ²/NDF: 142.4/115

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: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

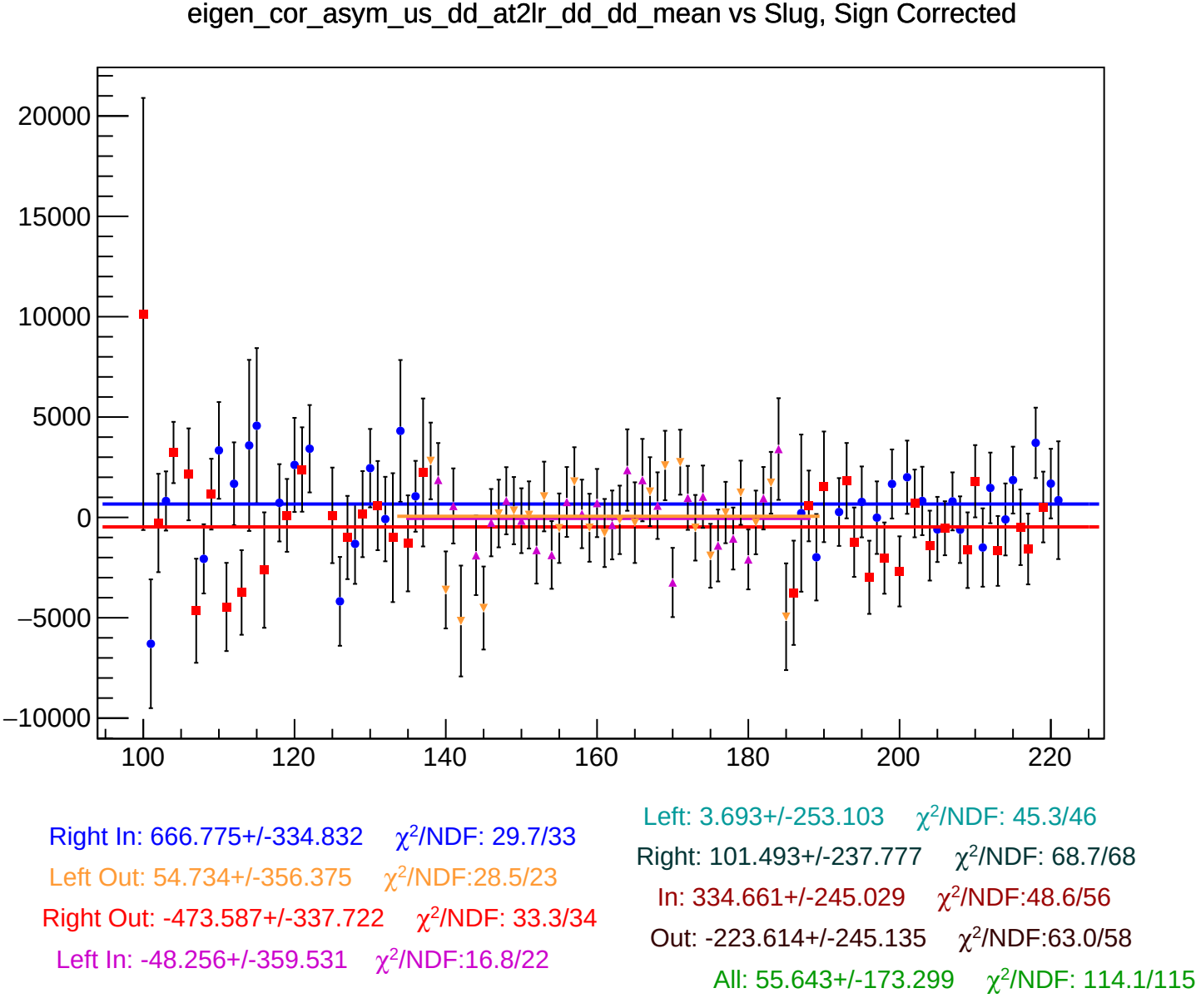
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

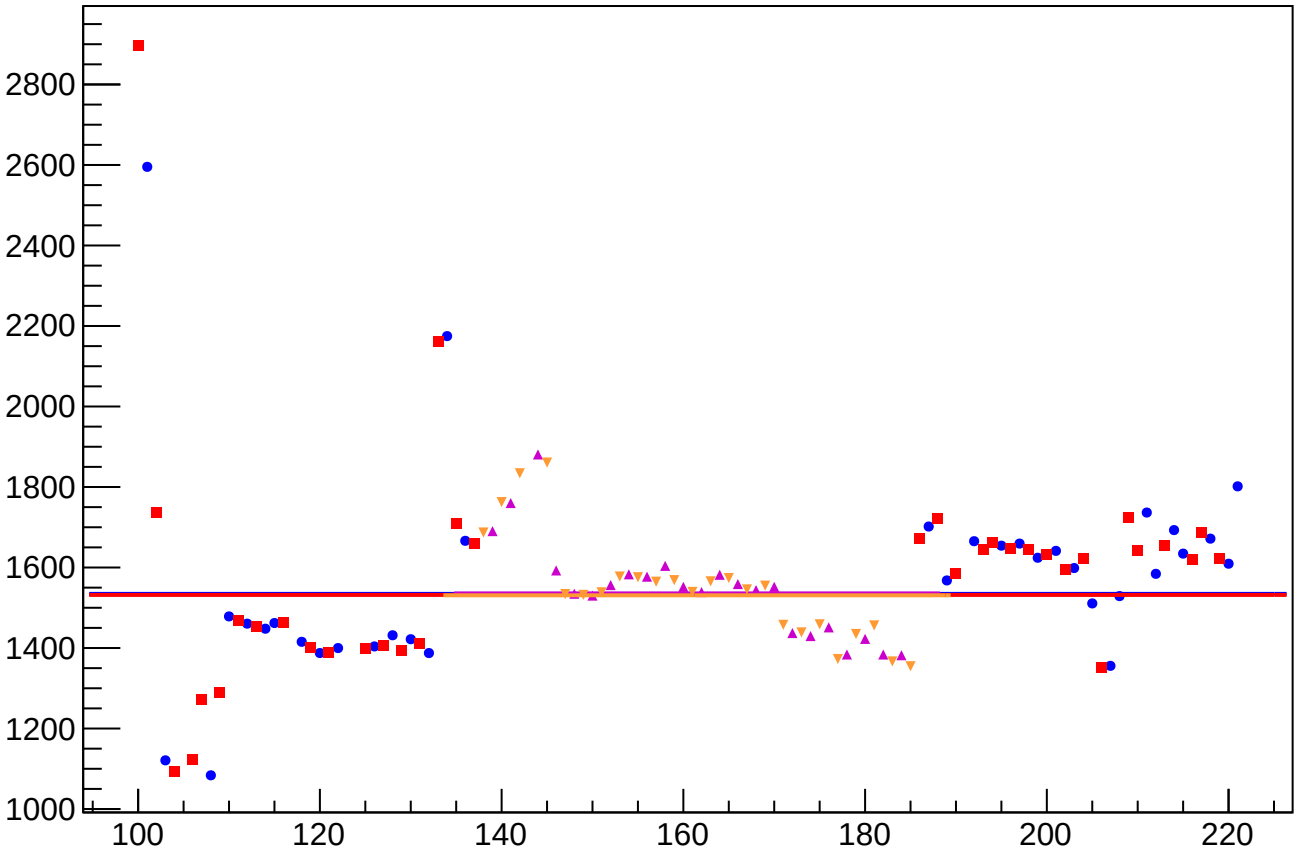
Right: 781.016+/-0.099 χ^2/NDF: 21426161.6/68

In: 521.980+/-0.067 χ^2/NDF:18594456.1/56

Out: 496.872+/-0.065 χ^2/NDF:19000331.7/58

All: 509.059+/-0.047 χ^2/NDF: 37667033.1/11


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
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: -473.587+/-337.722 χ²/NDF: 33.3/34
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 101.493+/-237.777 χ²/NDF: 68.7/68
In: 334.661+/-245.029 χ²/NDF:48.6/56
Out: -223.614+/-245.135 χ²/NDF:63.0/58
All: 55.643+/-173.299 χ²/NDF: 114.1/115



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: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

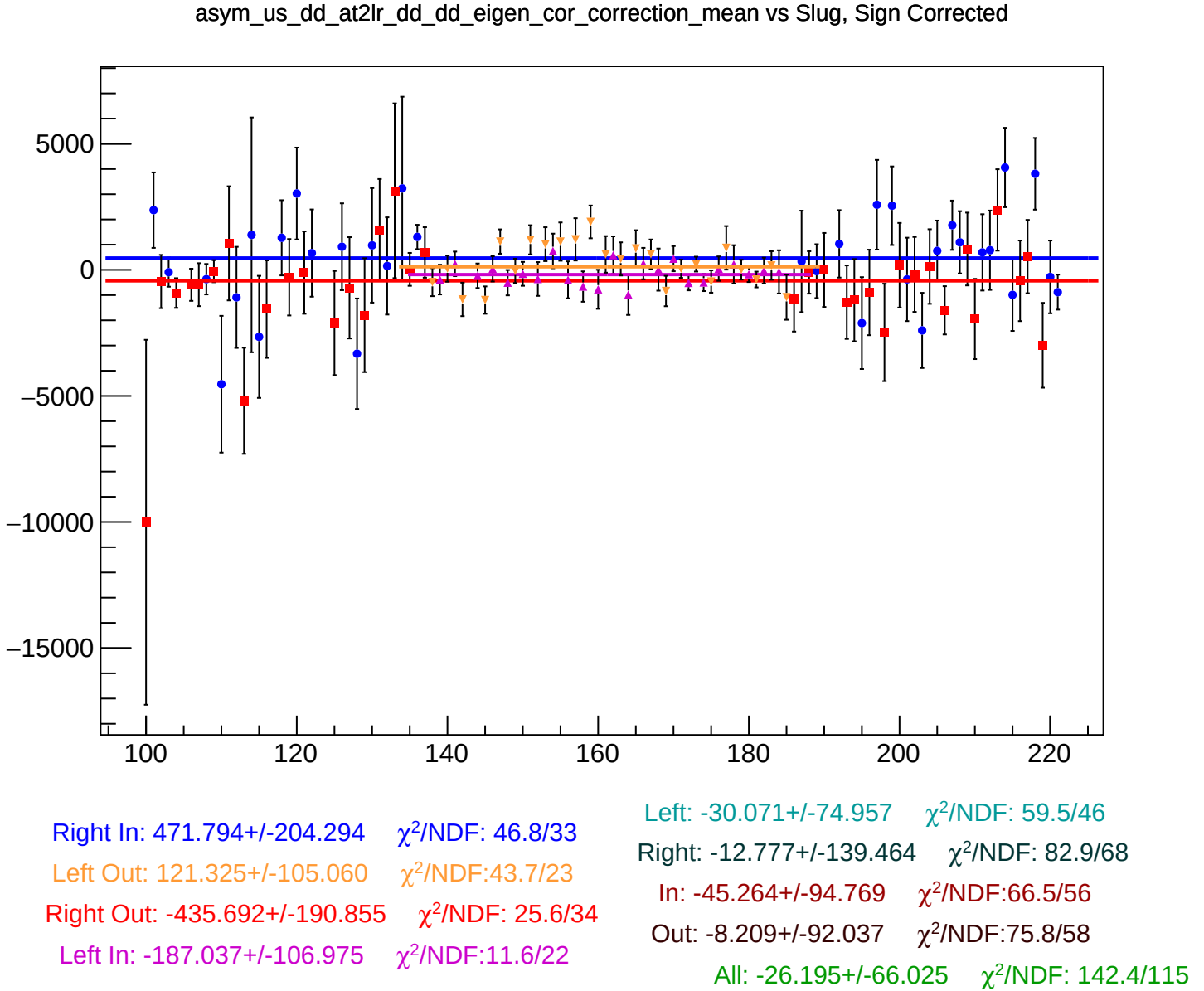
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1533.191+/-0.168 χ^2/NDF: 1460072.2/68

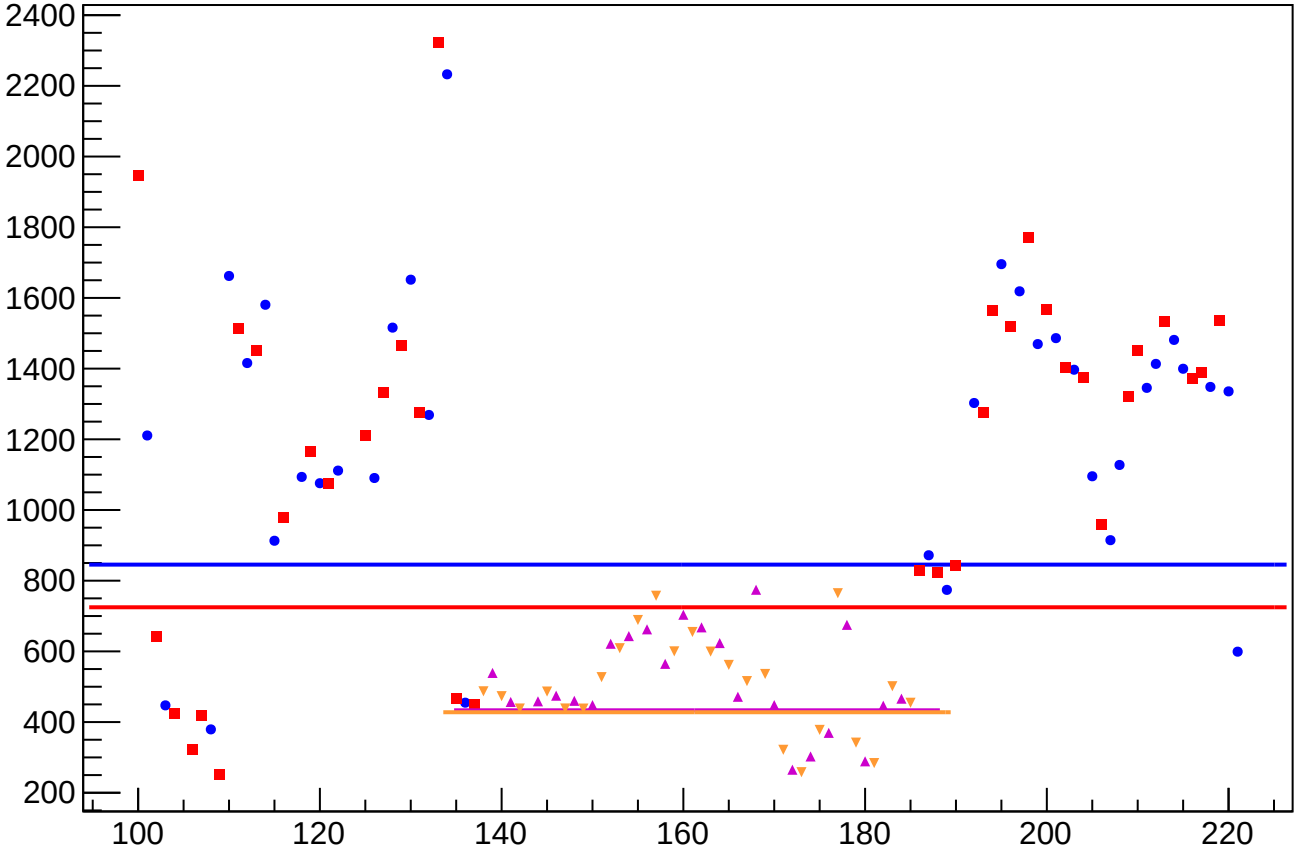
In: 1534.963+/-0.173 χ^2/NDF:998139.2/56

Out: 1531.466+/-0.173 χ^2/NDF:857865.2/58

All: 1533.215+/-0.123 χ^2/NDF: 1856208.0/11


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 471.794+/-204.294 χ²/NDF: 46.8/33
Left Out: 121.325+/-105.060 χ²/NDF:43.7/23
Right Out: -435.692+/-190.855 χ²/NDF: 25.6/34
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -12.777+/-139.464 χ²/NDF: 82.9/68
In: -45.264+/-94.769 χ²/NDF:66.5/56
Out: -8.209+/-92.037 χ²/NDF:75.8/58
All: -26.195+/-66.025 χ²/NDF: 142.4/115

asym_us_dd_at2lr_dd_dd_eigen_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: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

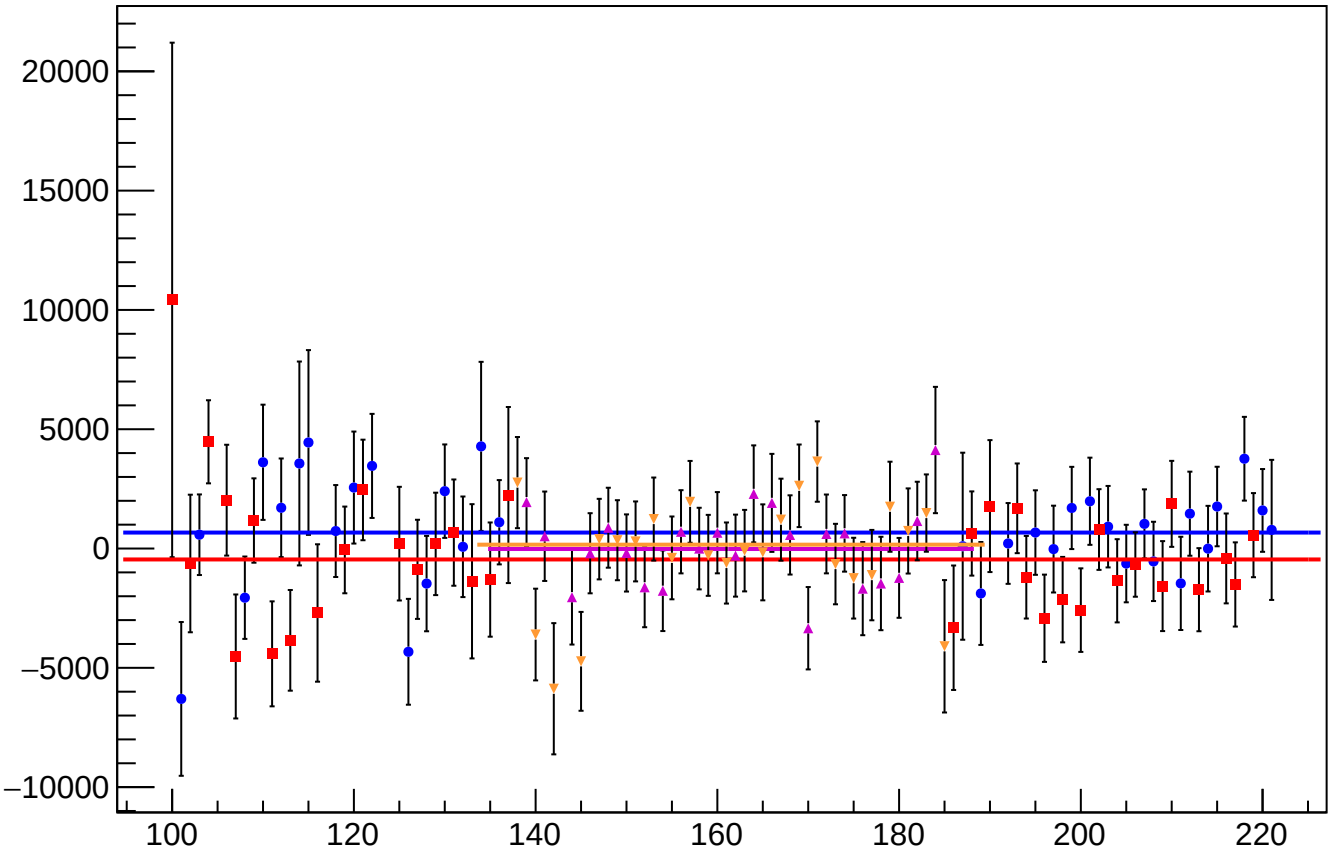
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 781.016+/-0.099 χ^2/NDF: 21426161.6/68

In: 521.980+/-0.067 χ^2/NDF:18594456.1/56

Out: 496.872+/-0.065 χ^2/NDF:19000331.7/58

All: 509.059+/-0.047 χ^2/NDF: 37667033.1/11



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: -458.023+/-341.256 χ^2/NDF: 35.0/34

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

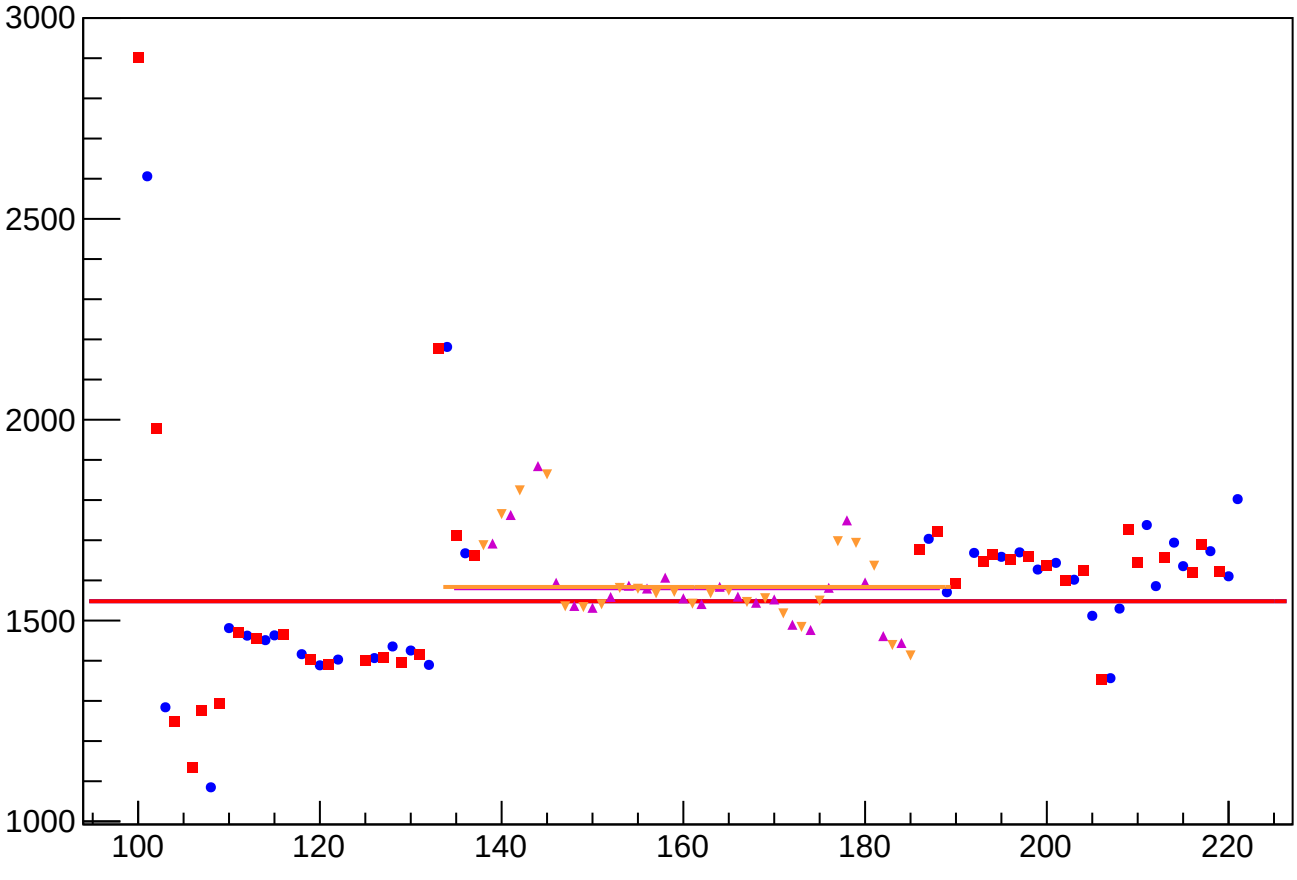
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 111.975+/-239.917 χ^2/NDF: 70.5/68

In: 355.931+/-249.227 χ^2/NDF:47.8/56

Out: -171.853+/-250.340 χ^2/NDF:66.5/58

All: 93.216+/-176.622 χ^2/NDF: 116.5/115



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: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

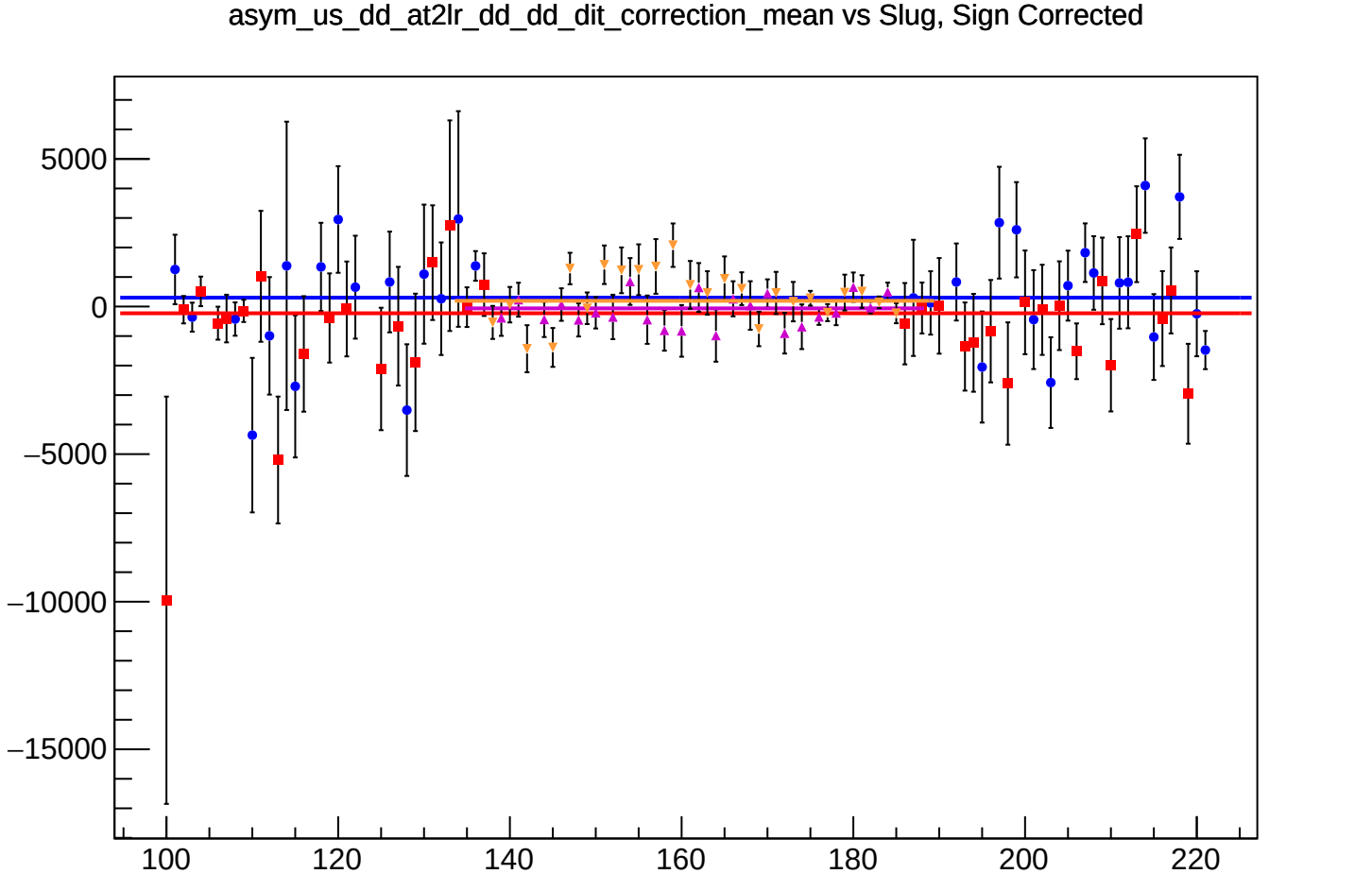
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1548.103+/-0.170 χ^2/NDF: 1265807.1/68

In: 1562.826+/-0.176 χ^2/NDF:827872.4/56

Out: 1564.508+/-0.177 χ^2/NDF:715661.4/58

All: 1563.663+/-0.125 χ^2/NDF: 1543579.1/11



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: -228.116+/-170.360 χ^2/NDF: 26.6/34

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

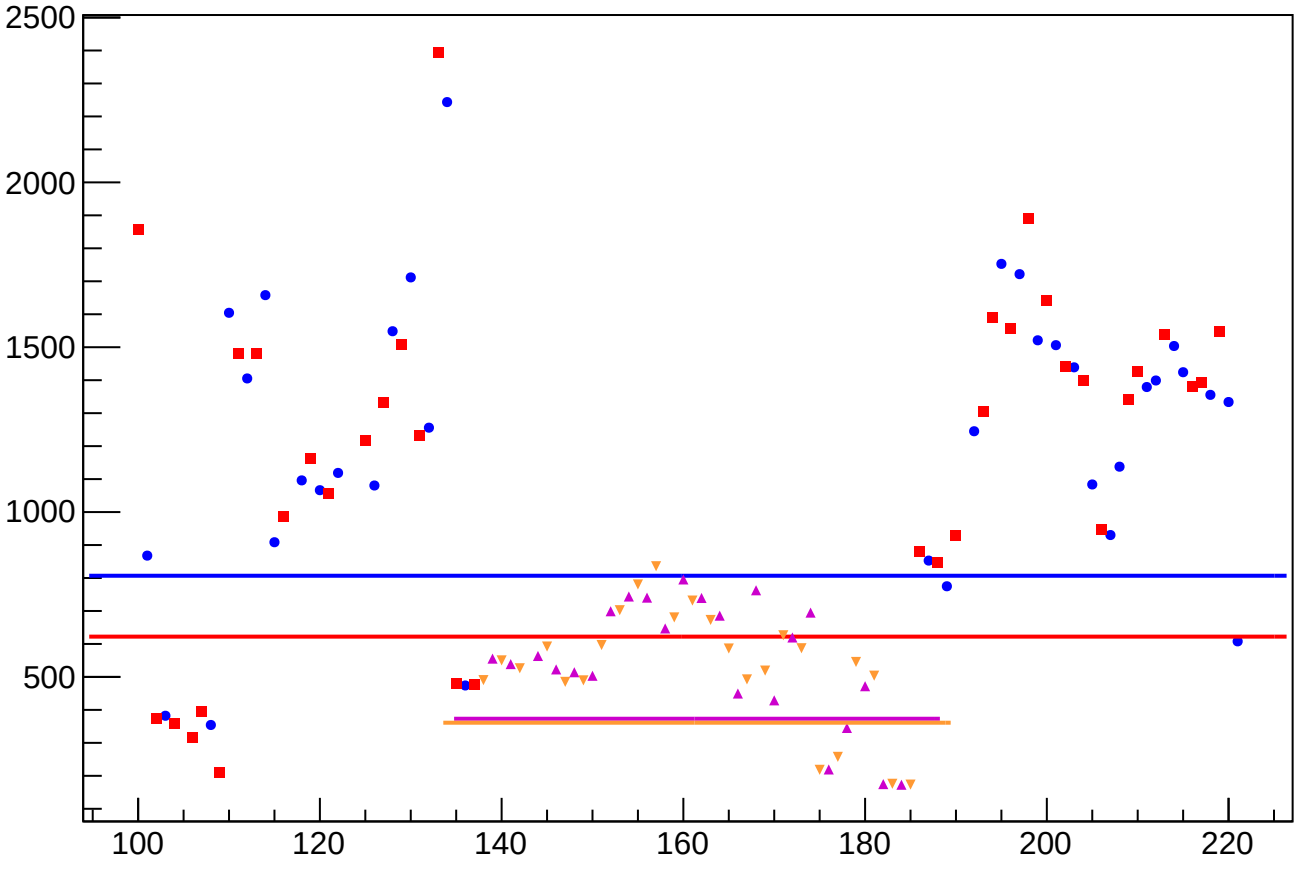
Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

Right: -2.416+/-129.044 χ^2/NDF: 83.2/68

In: 11.582+/-89.029 χ^2/NDF:72.3/56

Out: 91.909+/-83.565 χ^2/NDF:71.3/58

All: 54.287+/-60.929 χ^2/NDF: 144.0/115



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: 622.213+/-0.120 χ^2/NDF: 14910796.2/34

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

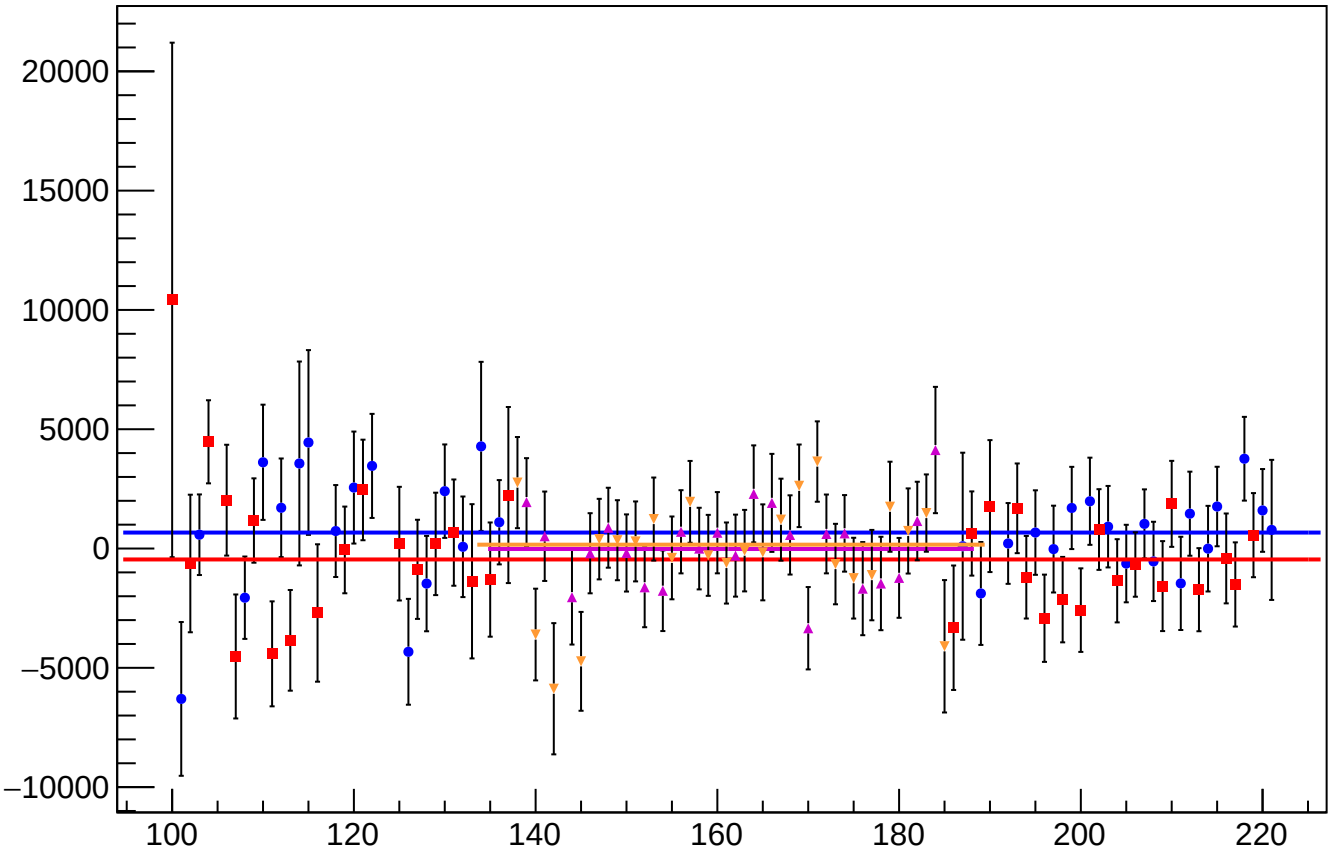
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 700.918+/-0.091 χ^2/NDF: 25787886.1/68

In: 461.132+/-0.063 χ^2/NDF:25759261.6/56

Out: 423.926+/-0.059 χ^2/NDF:26661871.0/58

All: 441.352+/-0.043 χ^2/NDF: 52606835.2/11



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: -458.022+/-341.256 χ^2/NDF: 35.0/34

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

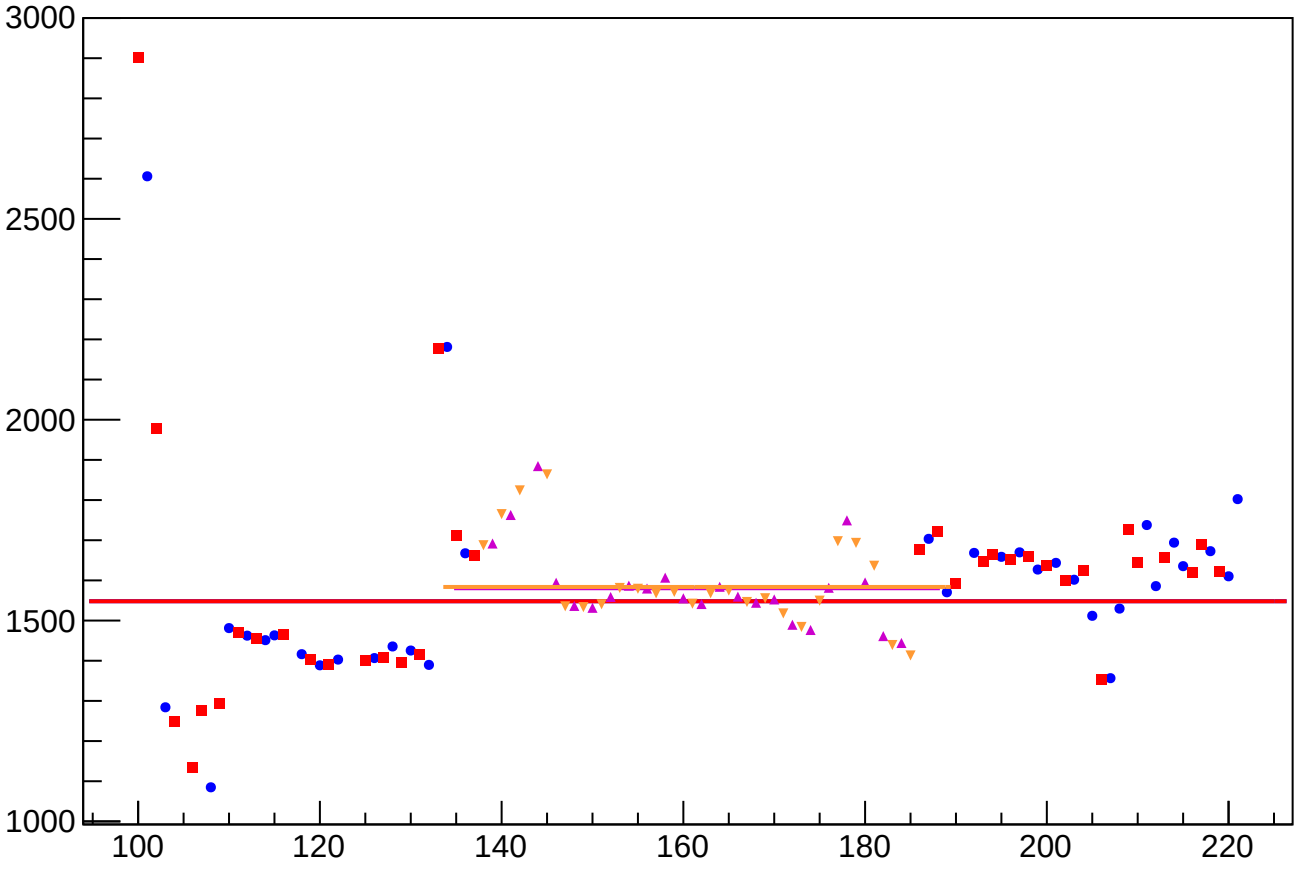
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 111.972+/-239.917 χ^2/NDF: 70.5/68

In: 355.927+/-249.227 χ^2/NDF:47.8/56

Out: -171.854+/-250.340 χ^2/NDF:66.5/58

All: 93.213+/-176.622 χ^2/NDF: 116.5/115



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: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

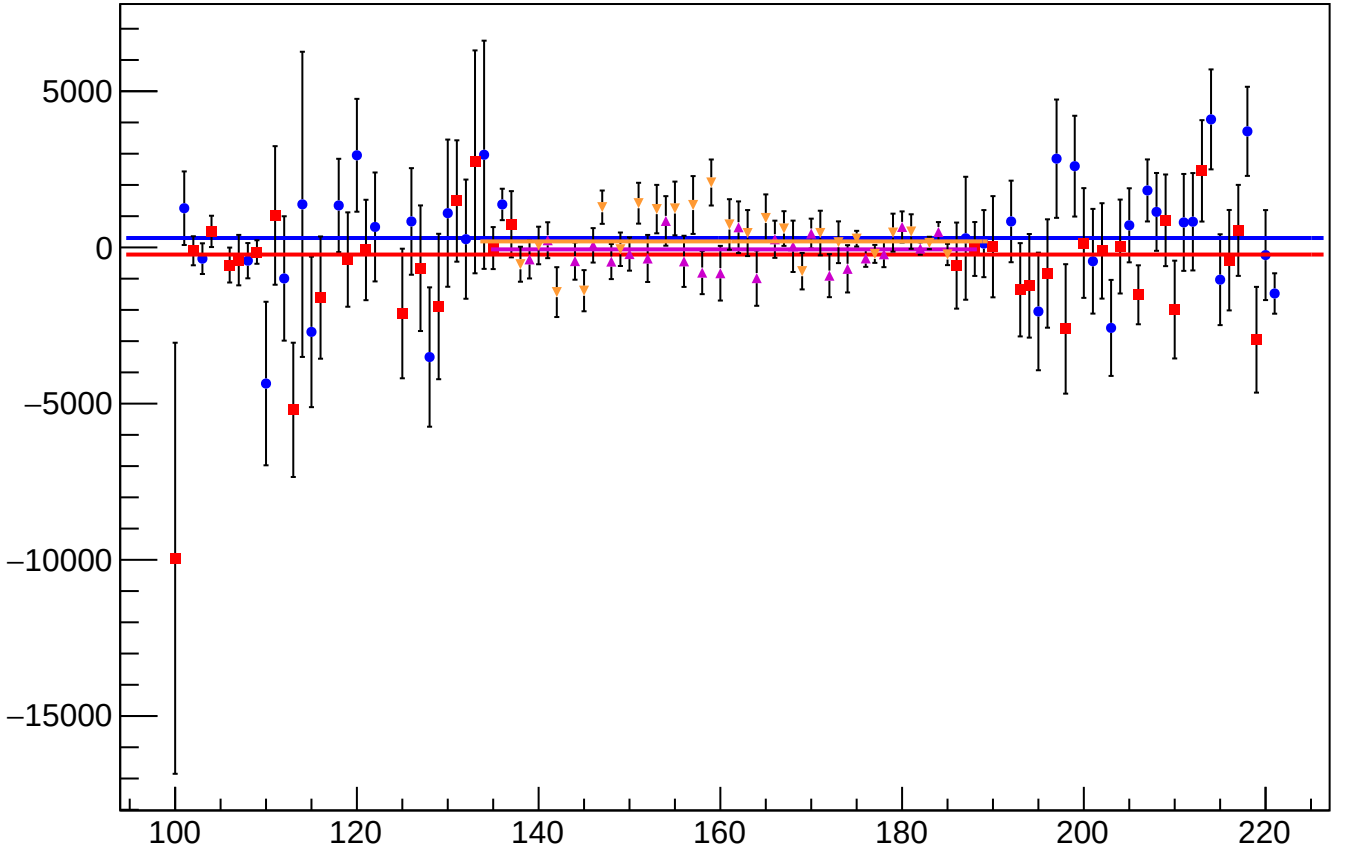
Right: 1548.103+/-0.170 χ^2/NDF: 1265806.6/68

In: 1562.826+/-0.176 χ^2/NDF:827871.8/56

Out: 1564.508+/-0.177 χ^2/NDF:715661.4/58

All: 1563.663+/-0.125 χ^2/NDF: 1543578.6/11

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 301.417+/-197.660 χ^2/NDF: 52.5/33

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -228.115+/-170.361 χ^2/NDF: 26.6/34

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

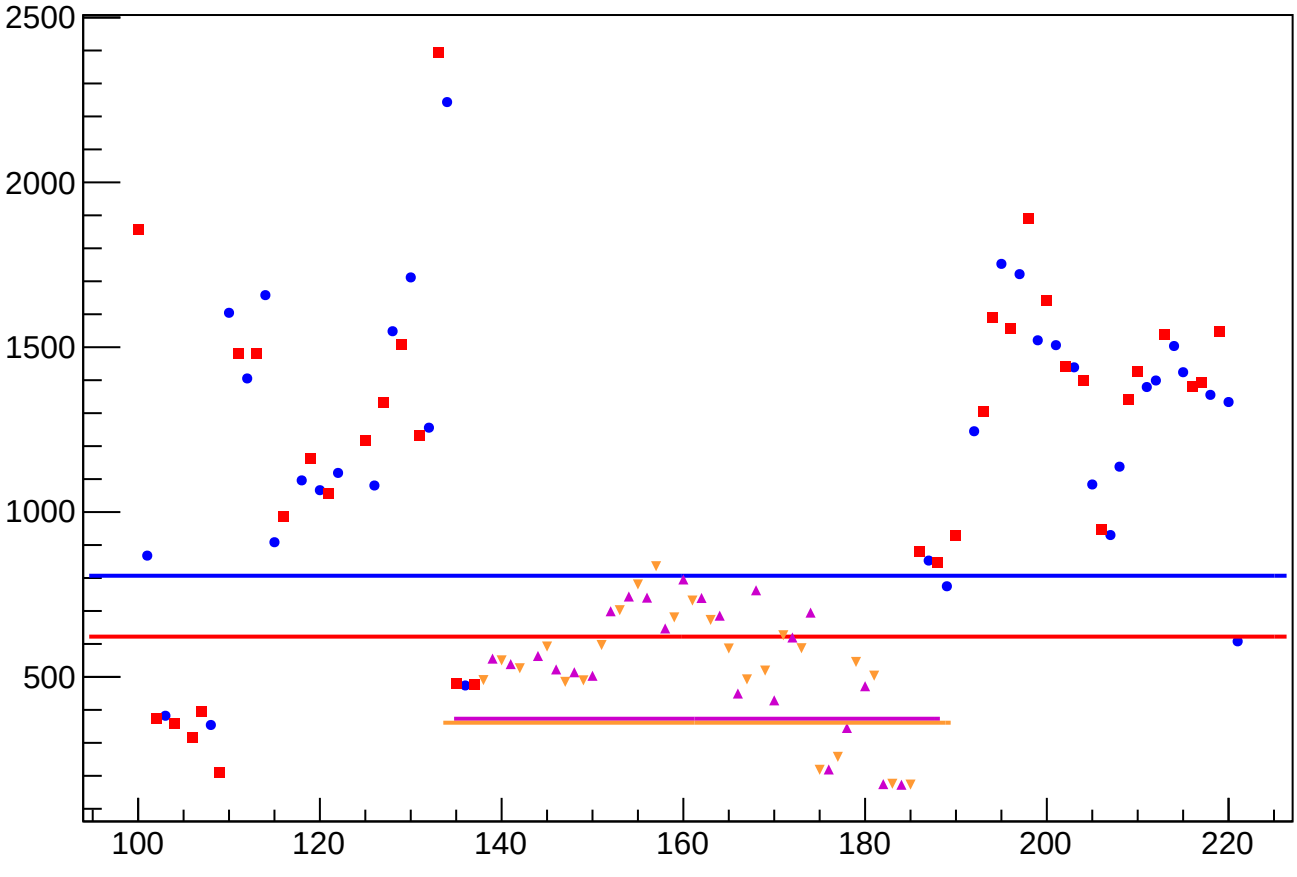
Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

Right: -2.413+/-129.045 χ^2/NDF: 83.2/68

In: 11.585+/-89.030 χ^2/NDF:72.3/56

Out: 91.913+/-83.565 χ^2/NDF:71.3/58

All: 54.290+/-60.930 χ^2/NDF: 144.0/115



Right In: 806.868+/-0.140 χ^2/NDF: 9875551.6/33

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 622.220+/-0.120 χ^2/NDF: 14910586.6/34

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

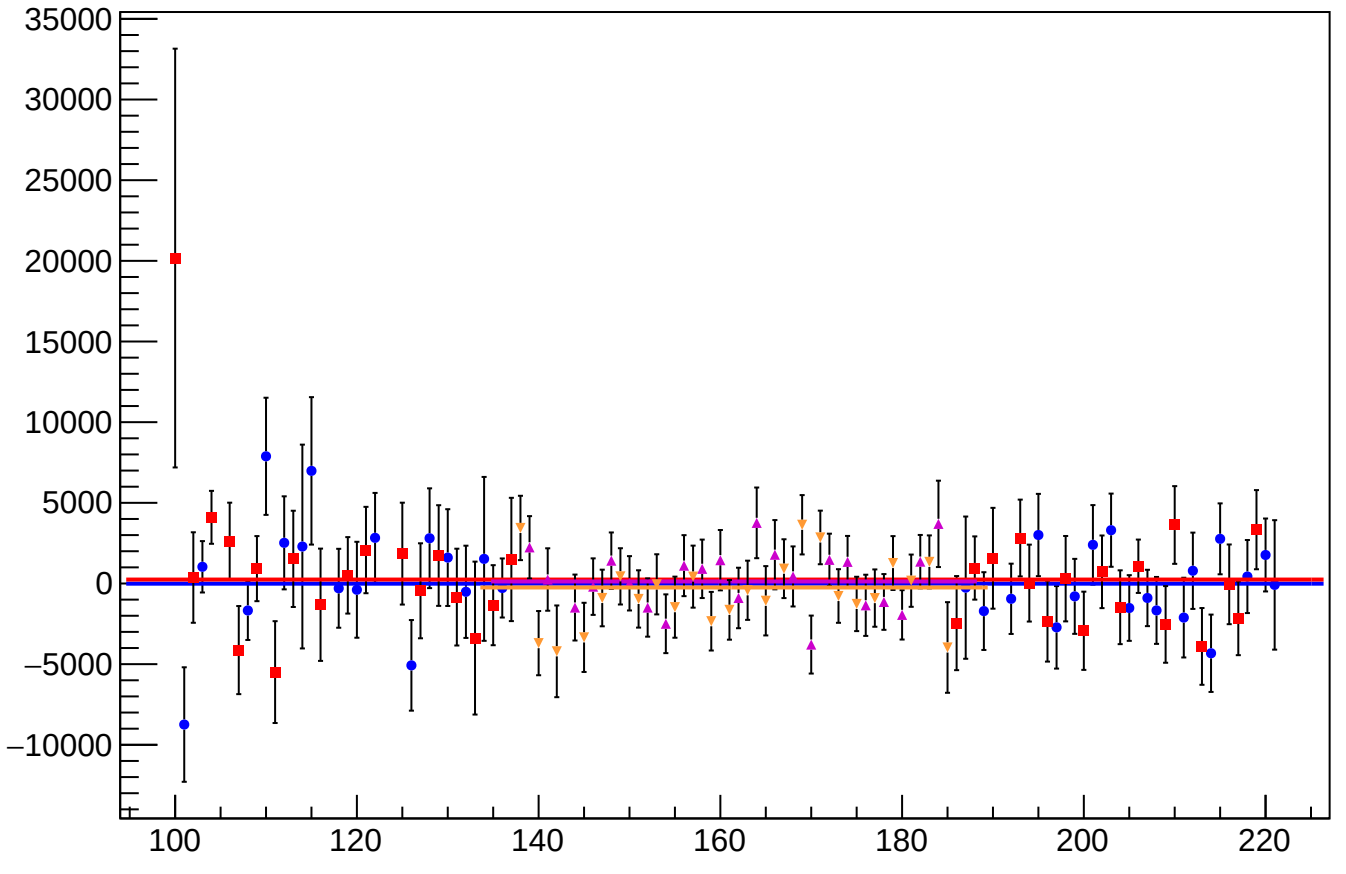
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 700.922+/-0.091 χ^2/NDF: 25787565.0/68

In: 461.137+/-0.063 χ^2/NDF:25758764.4/56

Out: 423.930+/-0.059 χ^2/NDF:26661546.4/58

All: 441.357+/-0.043 χ^2/NDF: 52606015.4/11



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: 244.277+/-426.989 χ^2/NDF: 32.6/34

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

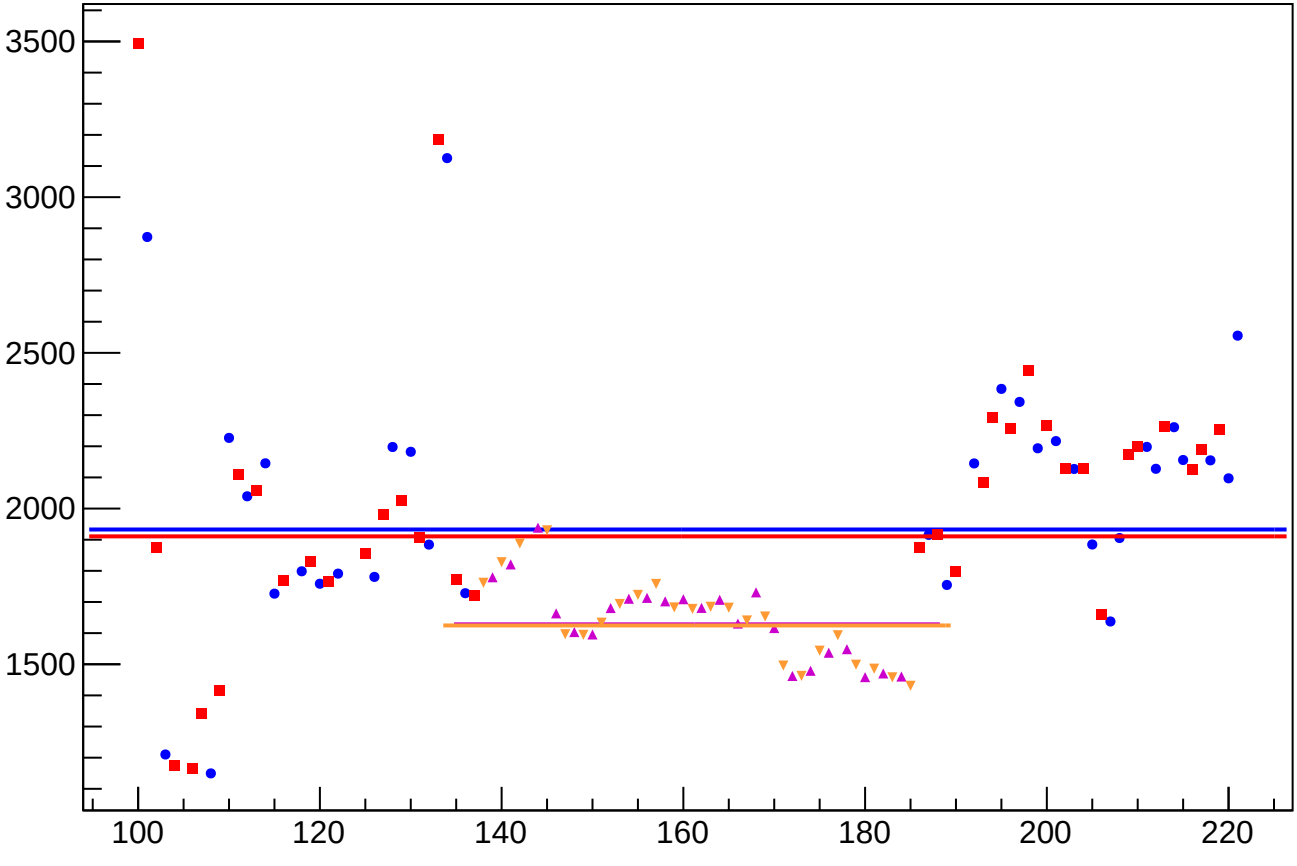
Right: 116.270+/-301.502 χ^2/NDF: 67.8/68

In: 65.083+/-284.053 χ^2/NDF:56.3/56

Out: -31.067+/-283.123 χ^2/NDF:59.4/58

All: 16.850+/-200.526 χ^2/NDF: 115.7/115

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: 1910.732+/-0.302 χ^2/NDF: 1510538.7/34

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

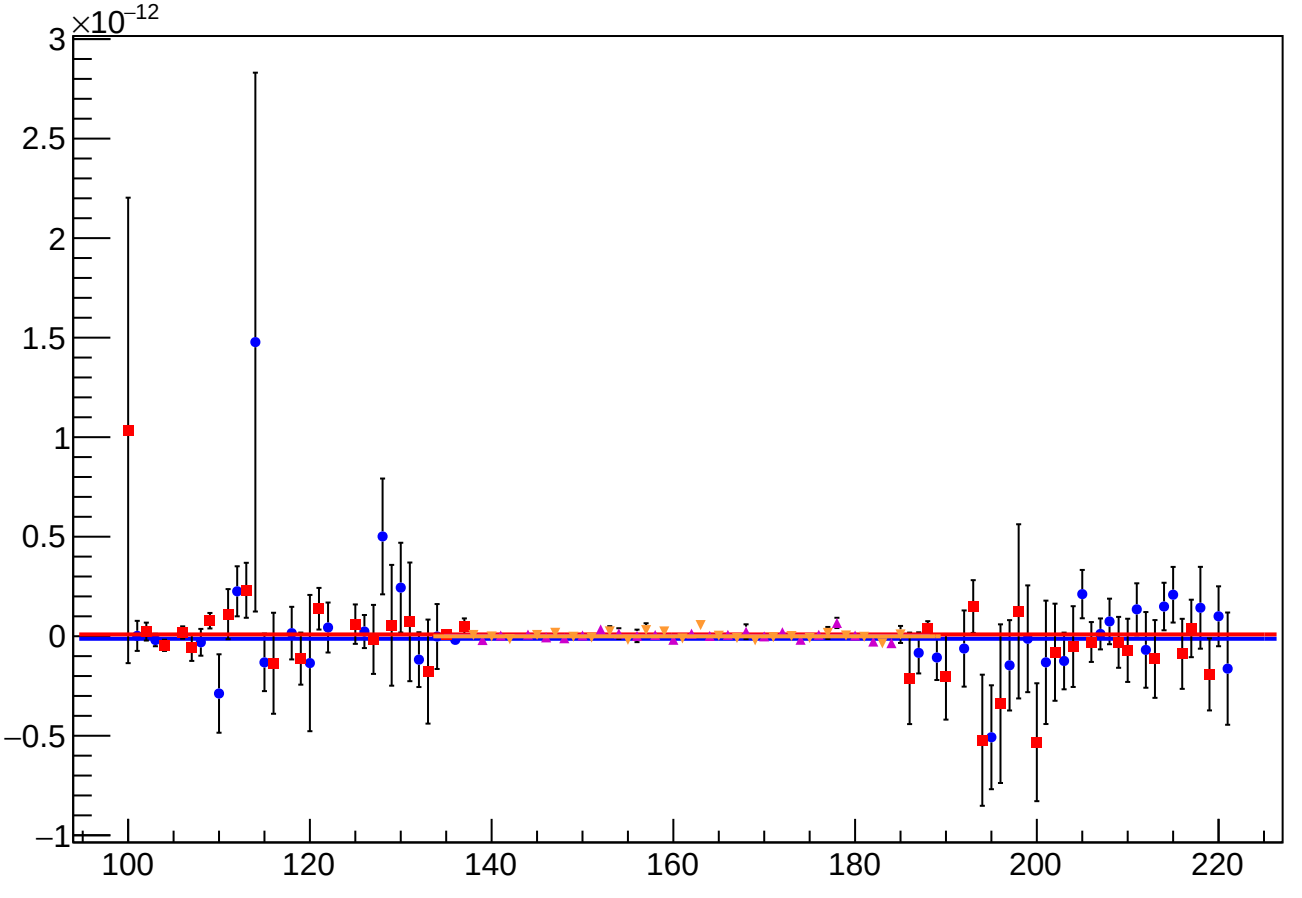
Right: 1921.790+/-0.213 χ^2/NDF: 3084064.7/68

In: 1763.768+/-0.201 χ^2/NDF:2343607.0/56

Out: 1750.409+/-0.200 χ^2/NDF:2220993.5/58

All: 1757.066+/-0.142 χ^2/NDF: 4566819.4/11

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: 29.6/34

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

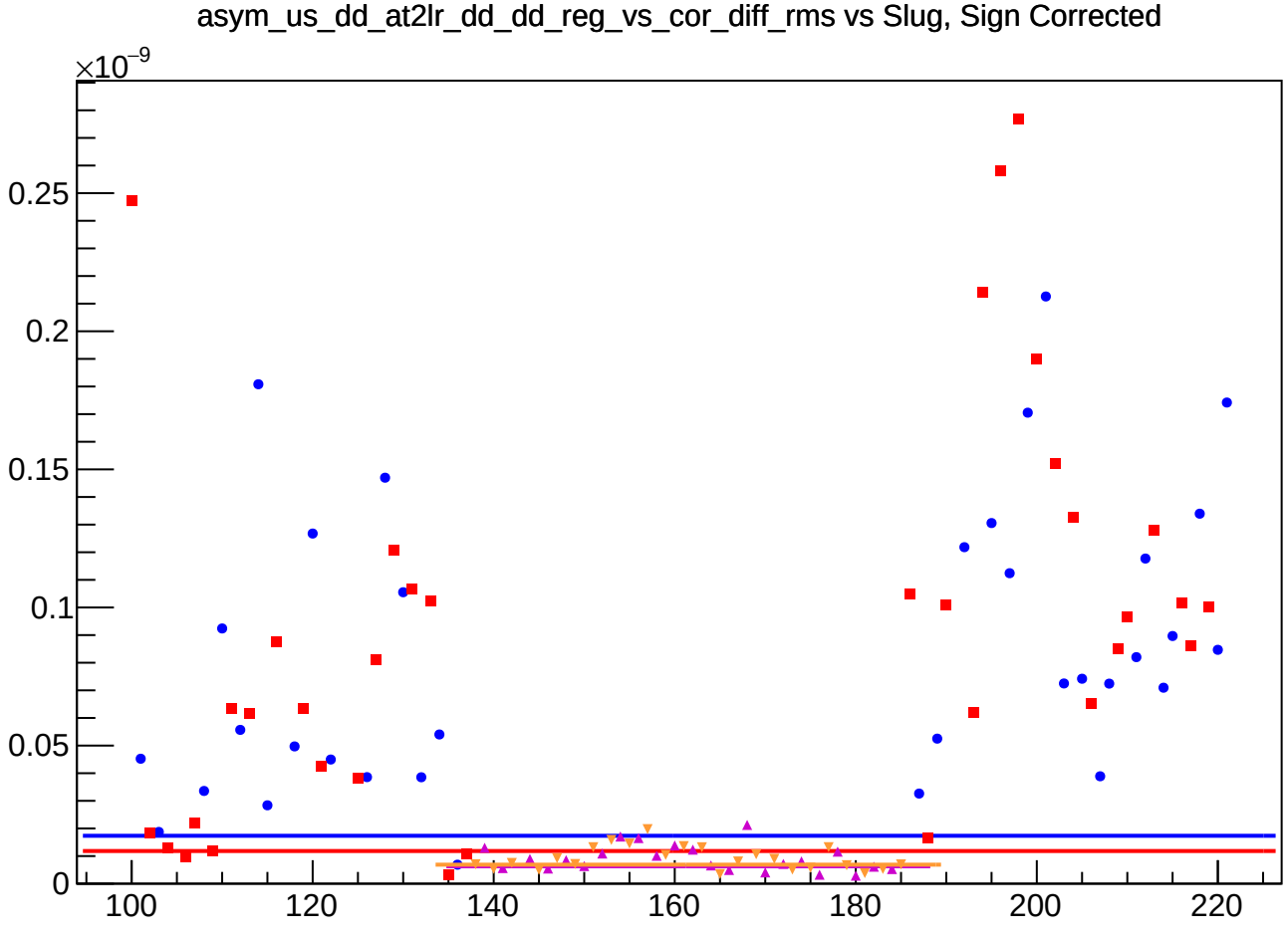
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 63.0/68

In: 0.000+/-0.000 χ^2/NDF:56.8/56

Out: 0.000+/-0.000 χ^2/NDF:53.4/58

All: 0.000+/-0.000 χ^2/NDF: 110.2/115



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: 13208946.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

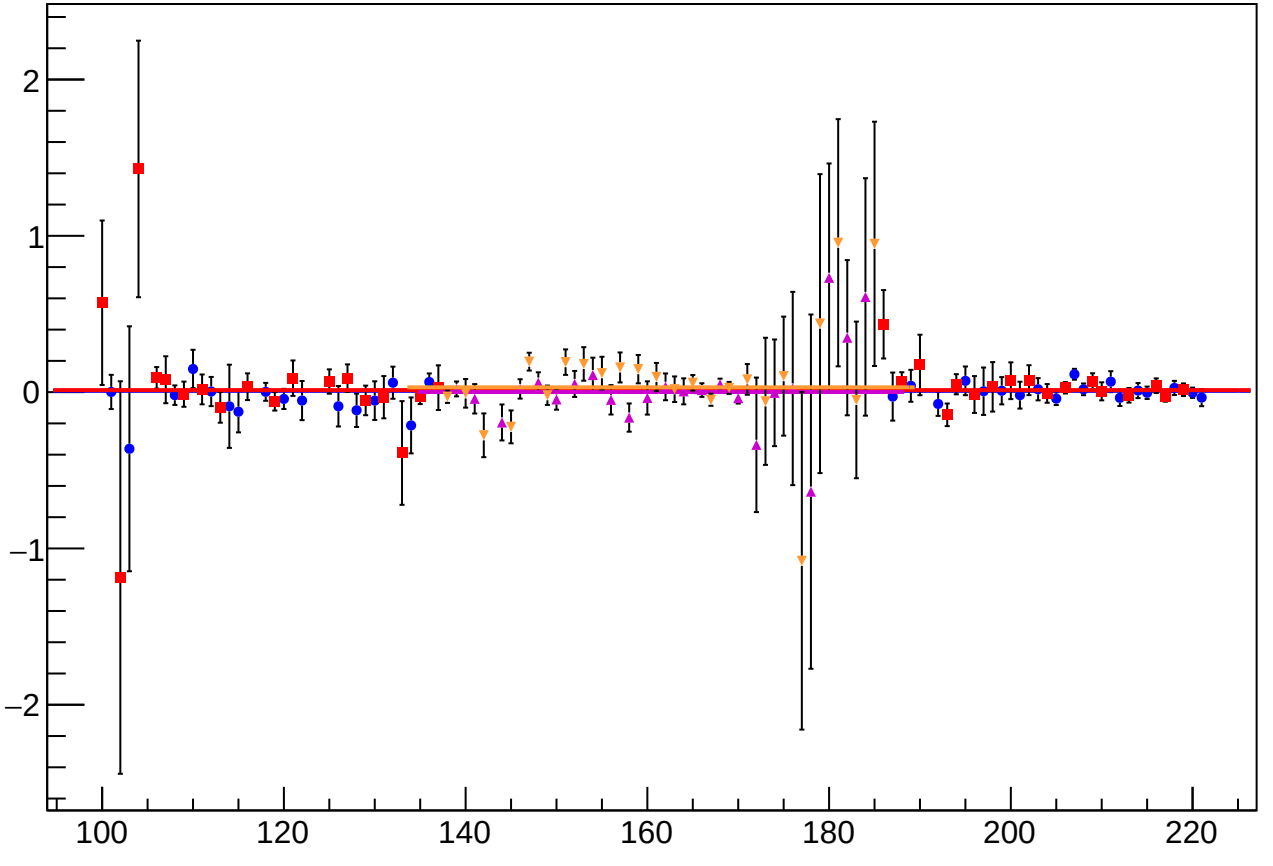
Right: 0.000+/-0.000 χ^2/NDF: 25554755.9/68

In: 0.000+/-0.000 χ^2/NDF:17225530.3/56

Out: 0.000+/-0.000 χ^2/NDF:16096079.6/58

All: 0.000+/-0.000 χ^2/NDF: 33336781.4/115

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: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

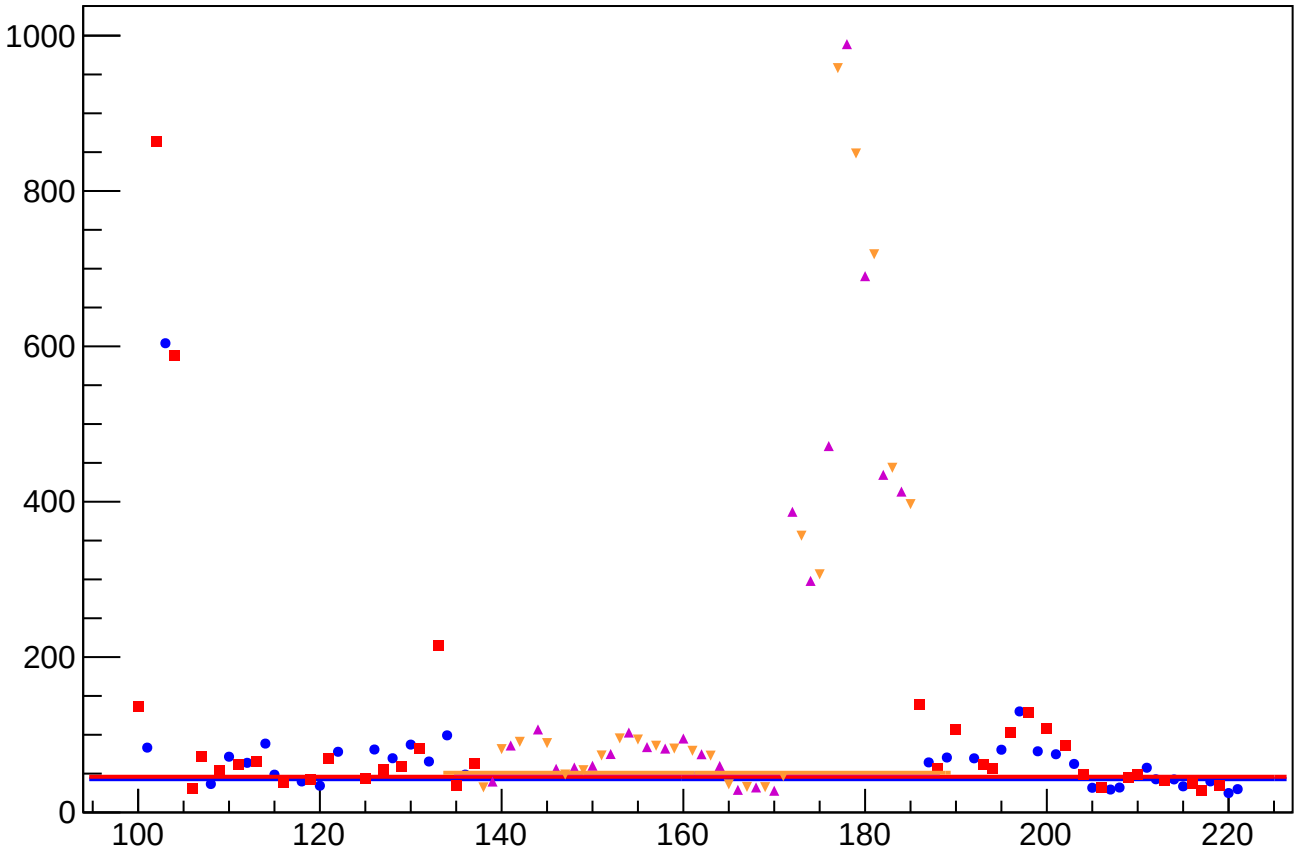
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.010+/-0.008 χ^2/NDF: 52.6/68

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.012+/-0.006 χ^2/NDF: 112.2/115



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: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

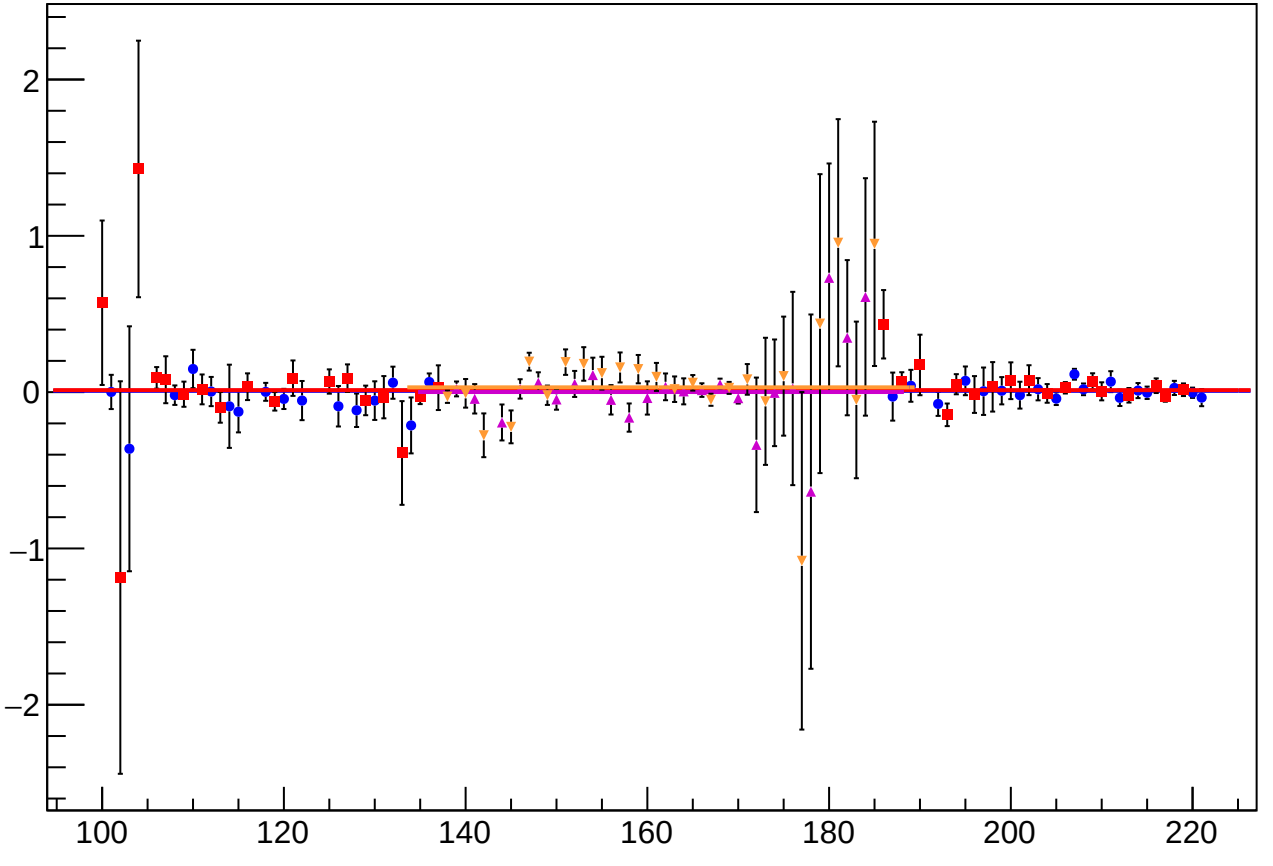
Right: 44.253+/-0.006 χ^2/NDF: 13246943.8/68

In: 45.336+/-0.006 χ^2/NDF:18914963.7/56

Out: 47.859+/-0.007 χ^2/NDF:18640414.8/58

All: 46.524+/-0.005 χ^2/NDF: 37631204.0/115

asym_us_dd_at2lr_dd_dd_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: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

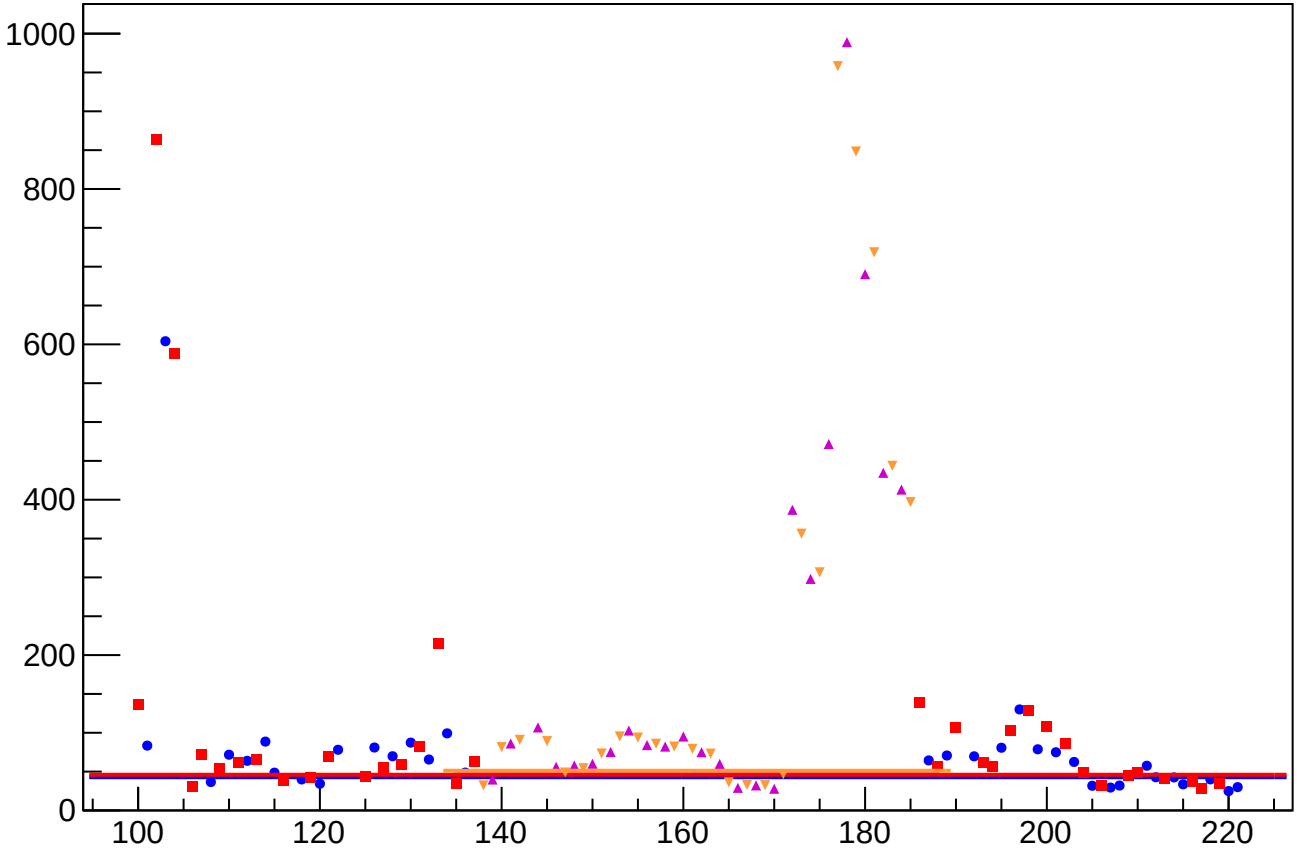
Right: 0.010+/-0.008 χ^2/NDF: 52.6/68

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.012+/-0.006 χ^2/NDF: 112.2/115

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: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

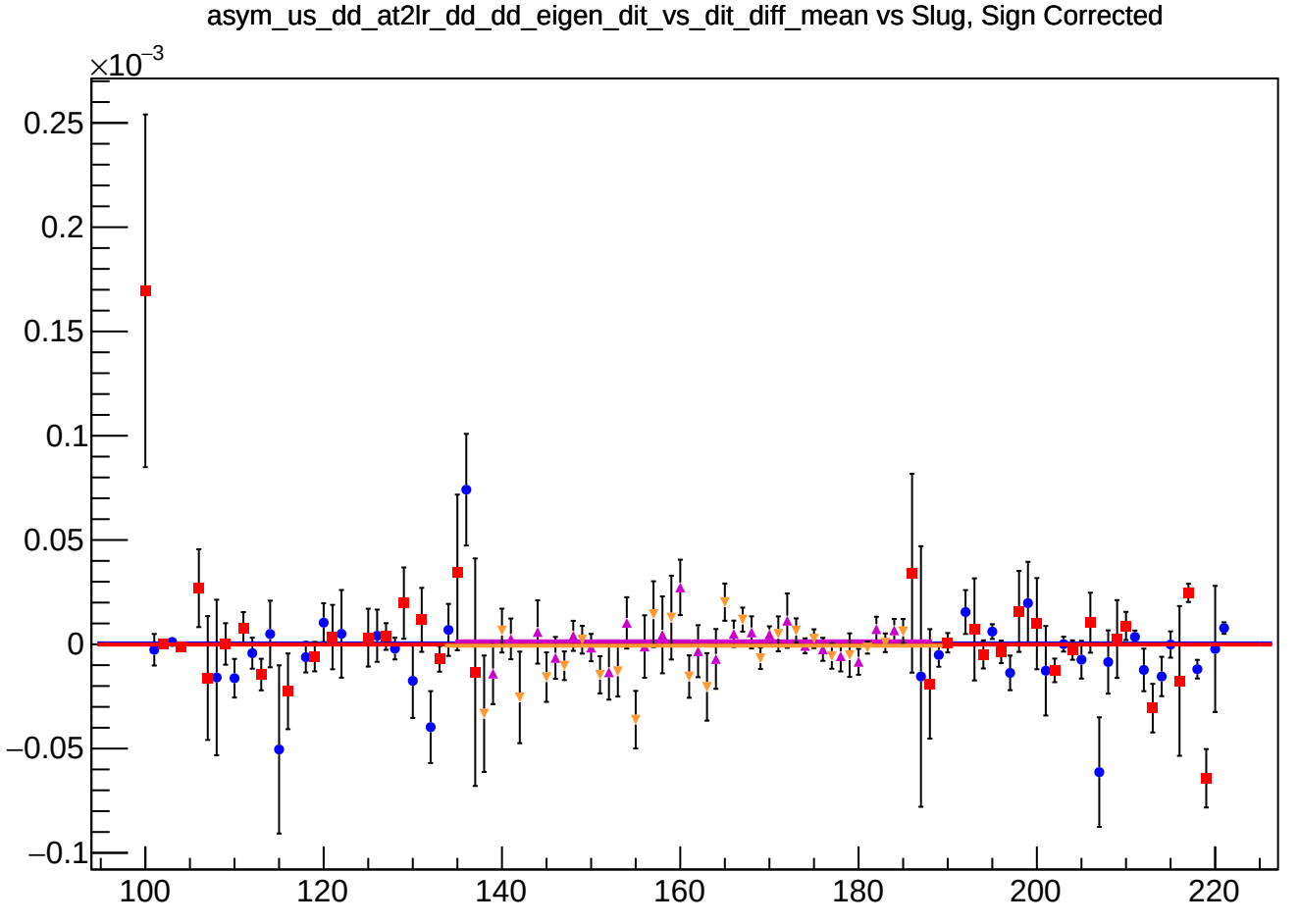
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

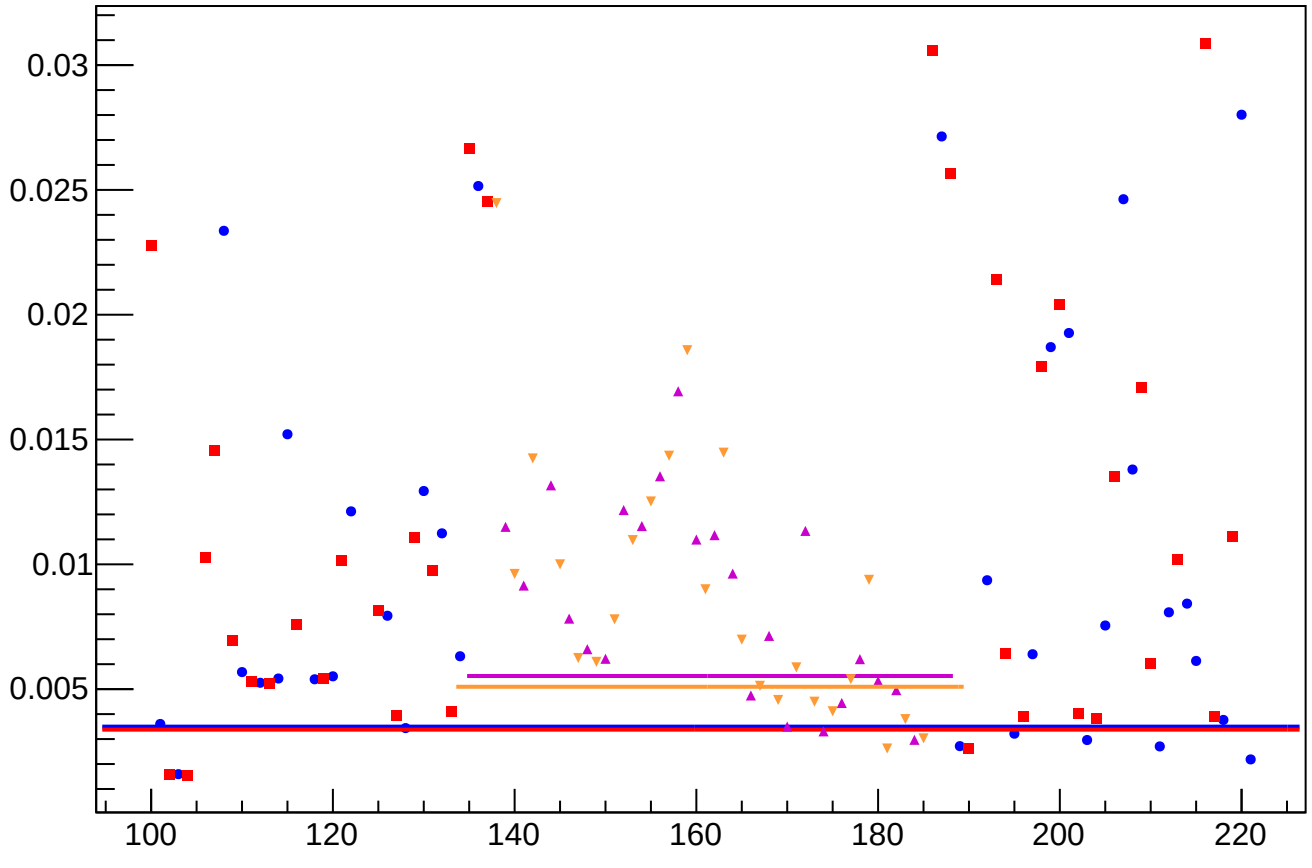
Right: 44.253+/-0.006 χ^2/NDF: 13246943.8/68

In: 45.336+/-0.006 χ^2/NDF:18914963.7/56

Out: 47.859+/-0.007 χ^2/NDF:18640414.8/58

All: 46.524+/-0.005 χ^2/NDF: 37631204.0/115


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 59.0/33
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 88.6/34
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: 0.000+/-0.000 χ²/NDF: 147.8/68
In: 0.000+/-0.000 χ²/NDF:75.8/56
Out: -0.000+/-0.000 χ²/NDF:127.2/58
All: 0.000+/-0.000 χ²/NDF: 203.8/115



Right In: 0.003+/-0.000 χ^2/NDF: 15233616.9/33

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 18033485.4/34

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

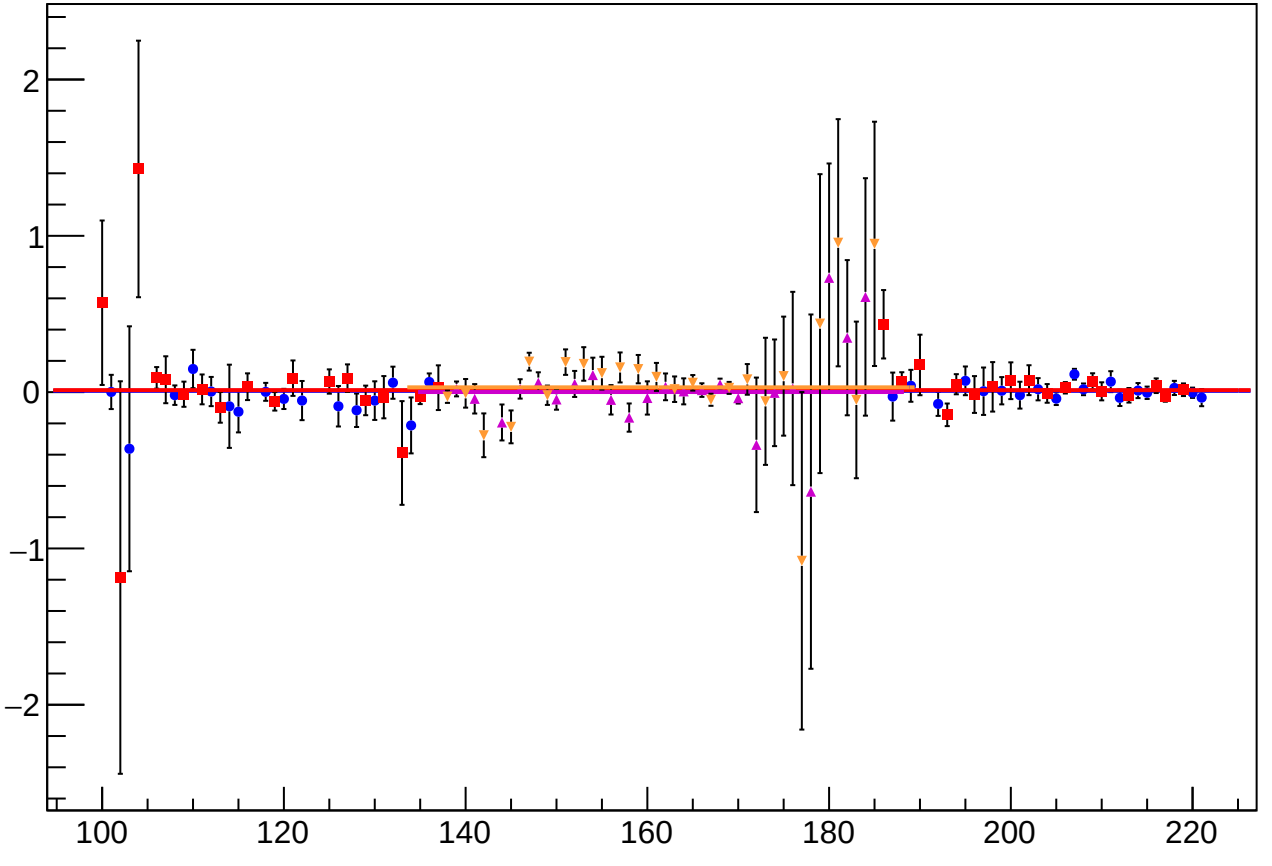
Right: 0.003+/-0.000 χ^2/NDF: 33280581.2/68

In: 0.004+/-0.000 χ^2/NDF:24599878.1/56

Out: 0.004+/-0.000 χ^2/NDF:28353892.6/58

All: 0.004+/-0.000 χ^2/NDF: 52979605.0/115

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: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

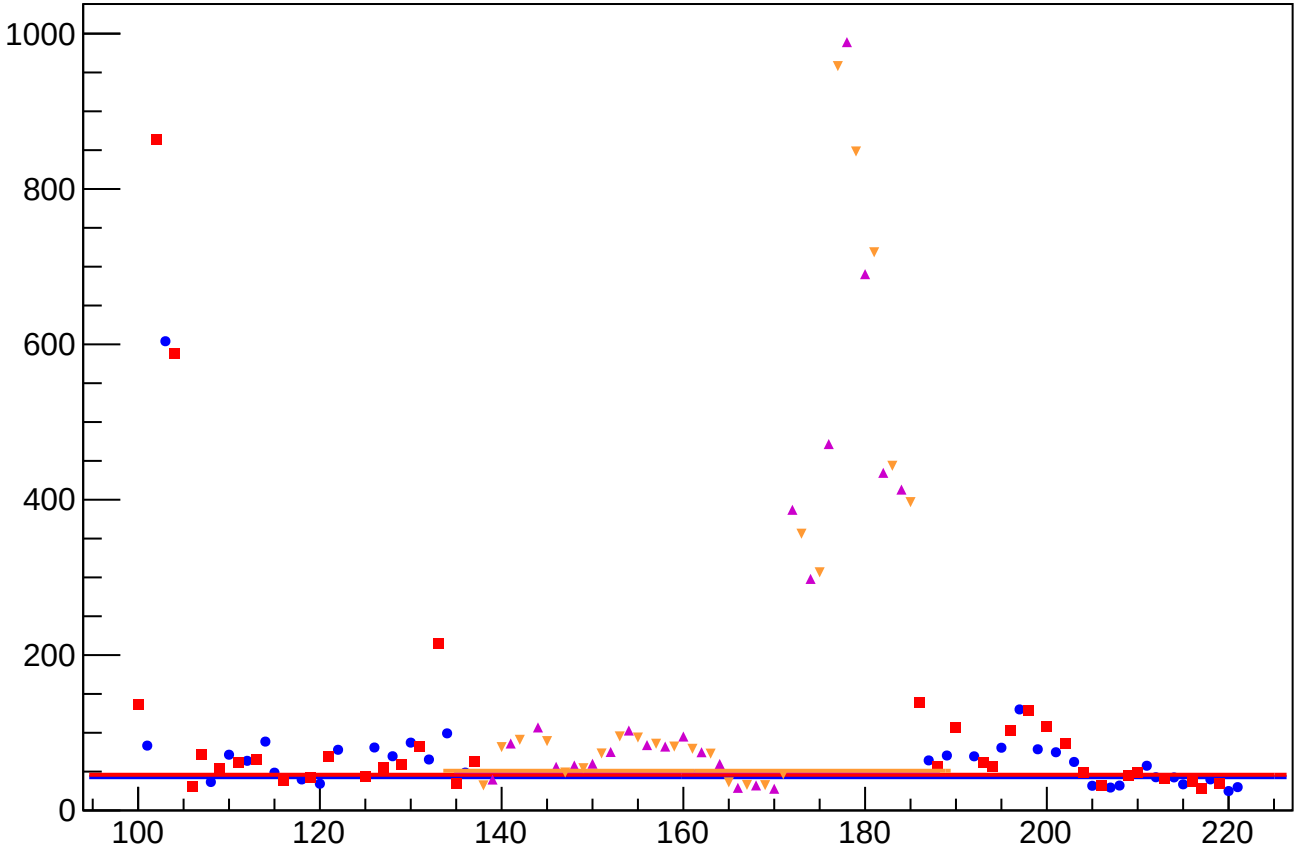
Right: 0.010+/-0.008 χ^2/NDF: 52.6/68

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.012+/-0.006 χ^2/NDF: 112.2/115

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: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

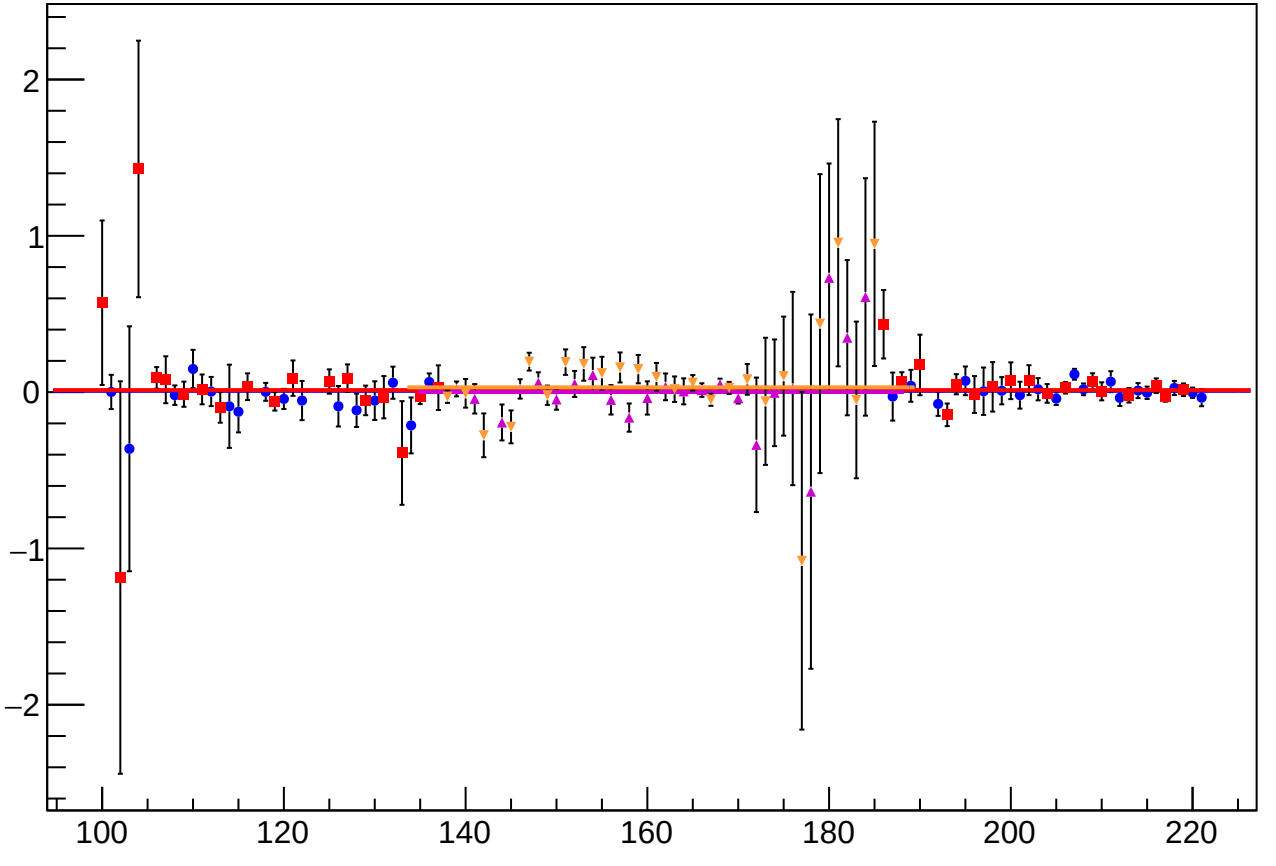
Right: 44.254+/-0.006 χ^2/NDF: 13246657.4/68

In: 45.335+/-0.006 χ^2/NDF:18915296.7/56

Out: 47.862+/-0.007 χ^2/NDF:18638761.1/58

All: 46.525+/-0.005 χ^2/NDF: 37630082.1/115

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: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

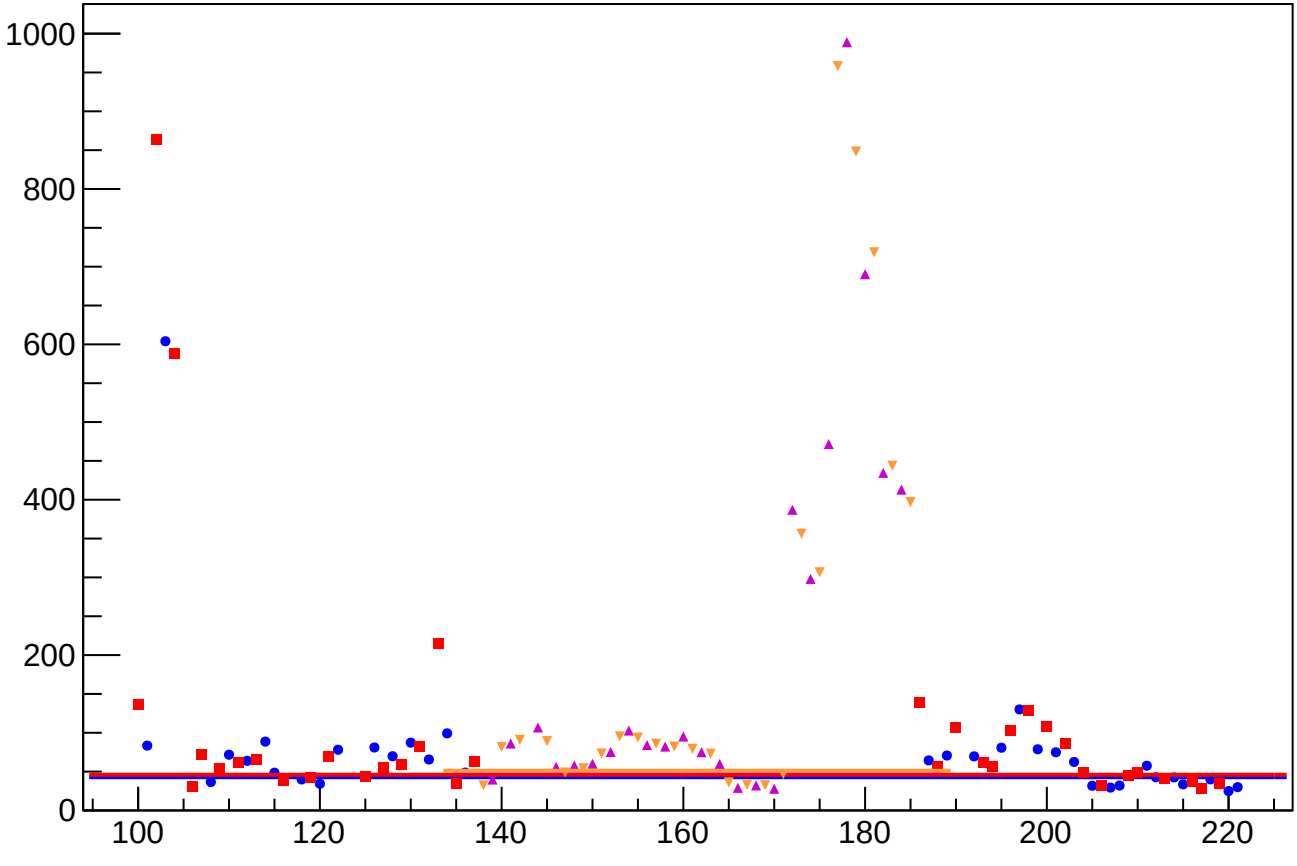
Right: 0.010+/-0.008 χ^2/NDF: 52.6/68

In: 0.006+/-0.009 χ^2/NDF:40.4/56

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.012+/-0.006 χ^2/NDF: 112.2/115

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: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

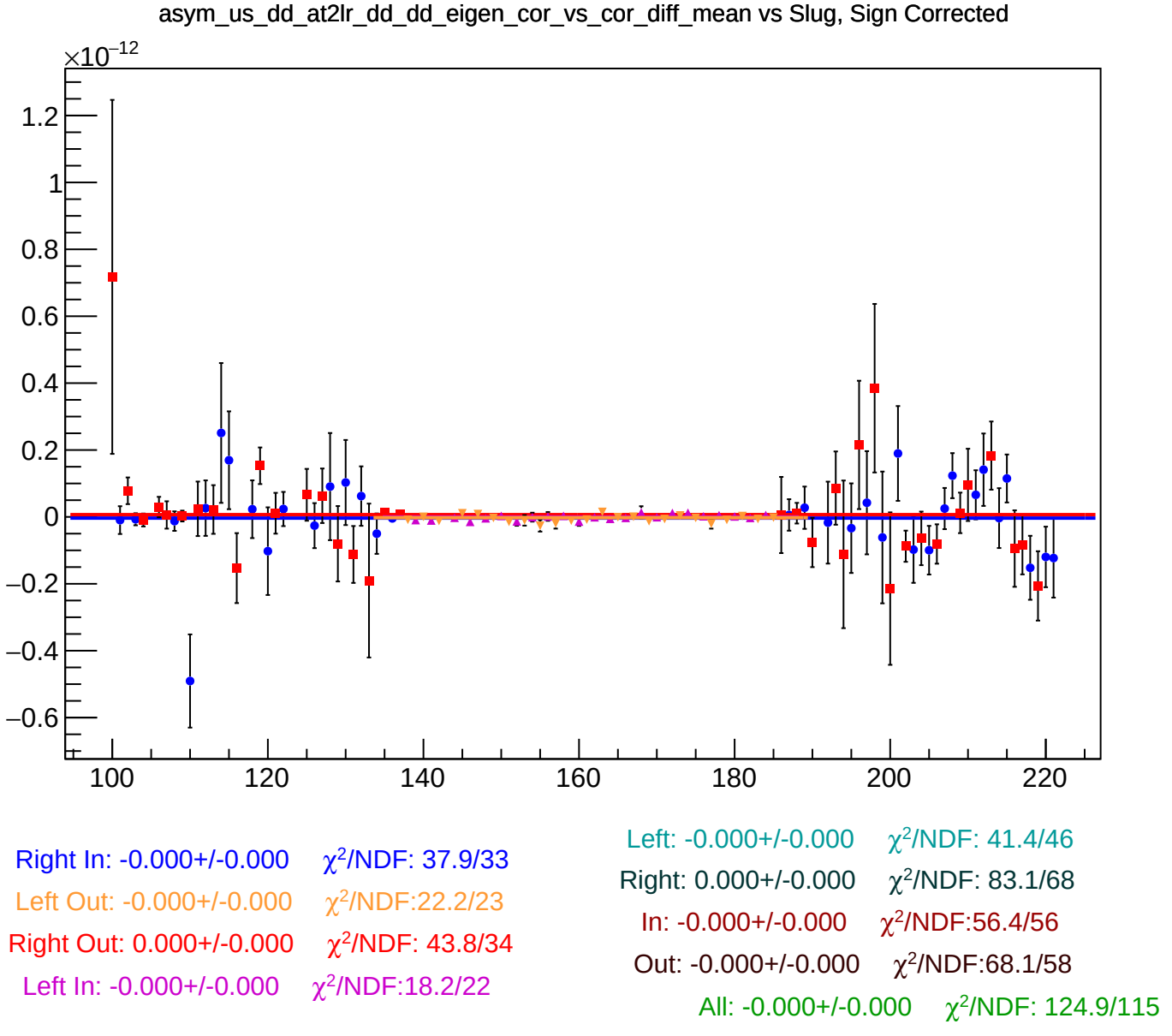
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 44.254+/-0.006 χ^2/NDF: 13246657.4/68

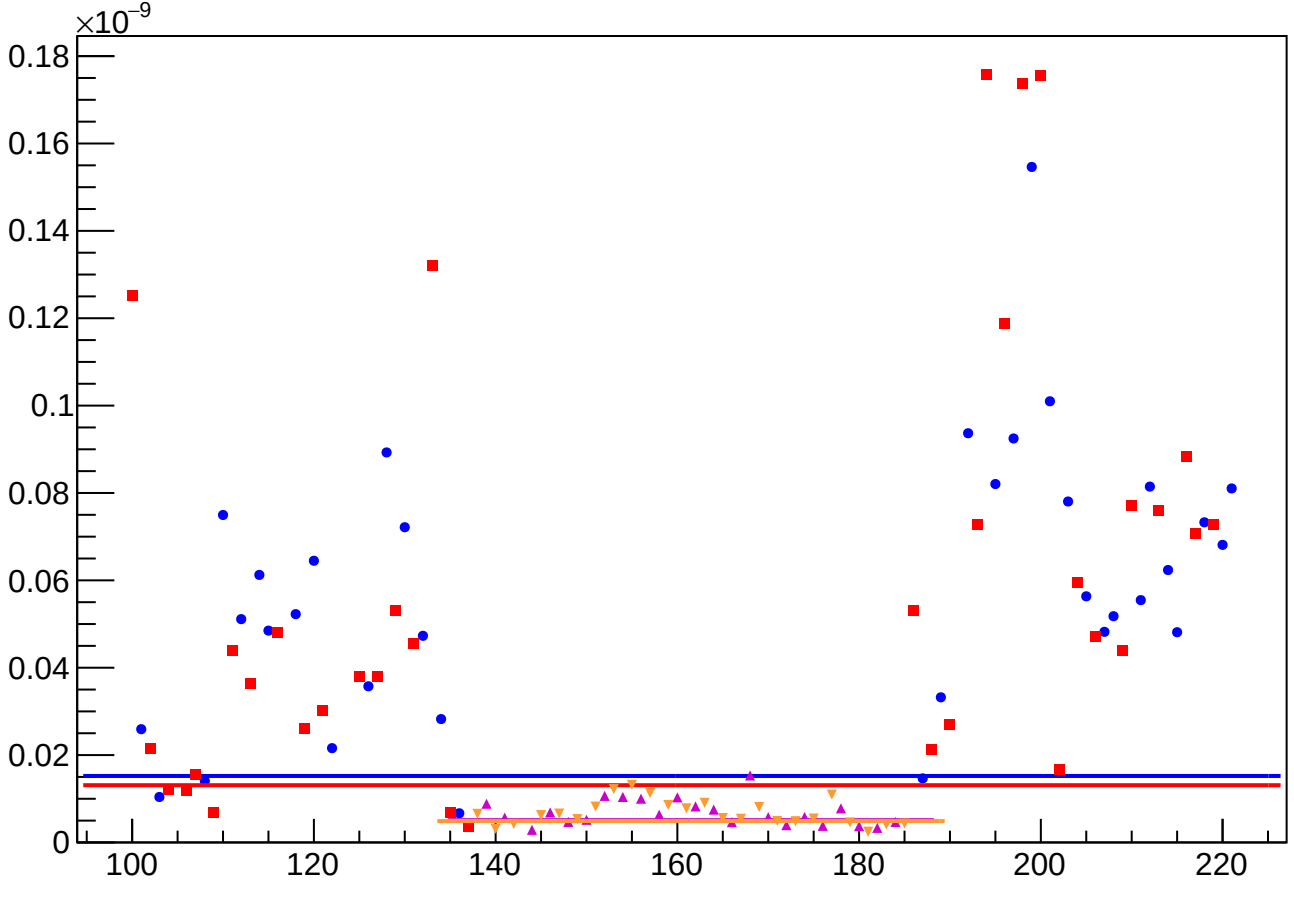
In: 45.335+/-0.006 χ^2/NDF:18915296.7/56

Out: 47.862+/-0.007 χ^2/NDF:18638761.1/58

All: 46.525+/-0.005 χ^2/NDF: 37630082.1/115


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 37.9/33
Left Out: -0.000+/-0.000 χ²/NDF:22.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 43.8/34
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 41.4/46
Right: 0.000+/-0.000 χ²/NDF: 83.1/68
In: -0.000+/-0.000 χ²/NDF:56.4/56
Out: -0.000+/-0.000 χ²/NDF:68.1/58
All: -0.000+/-0.000 χ²/NDF: 124.9/115

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: 14966462.7/34

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

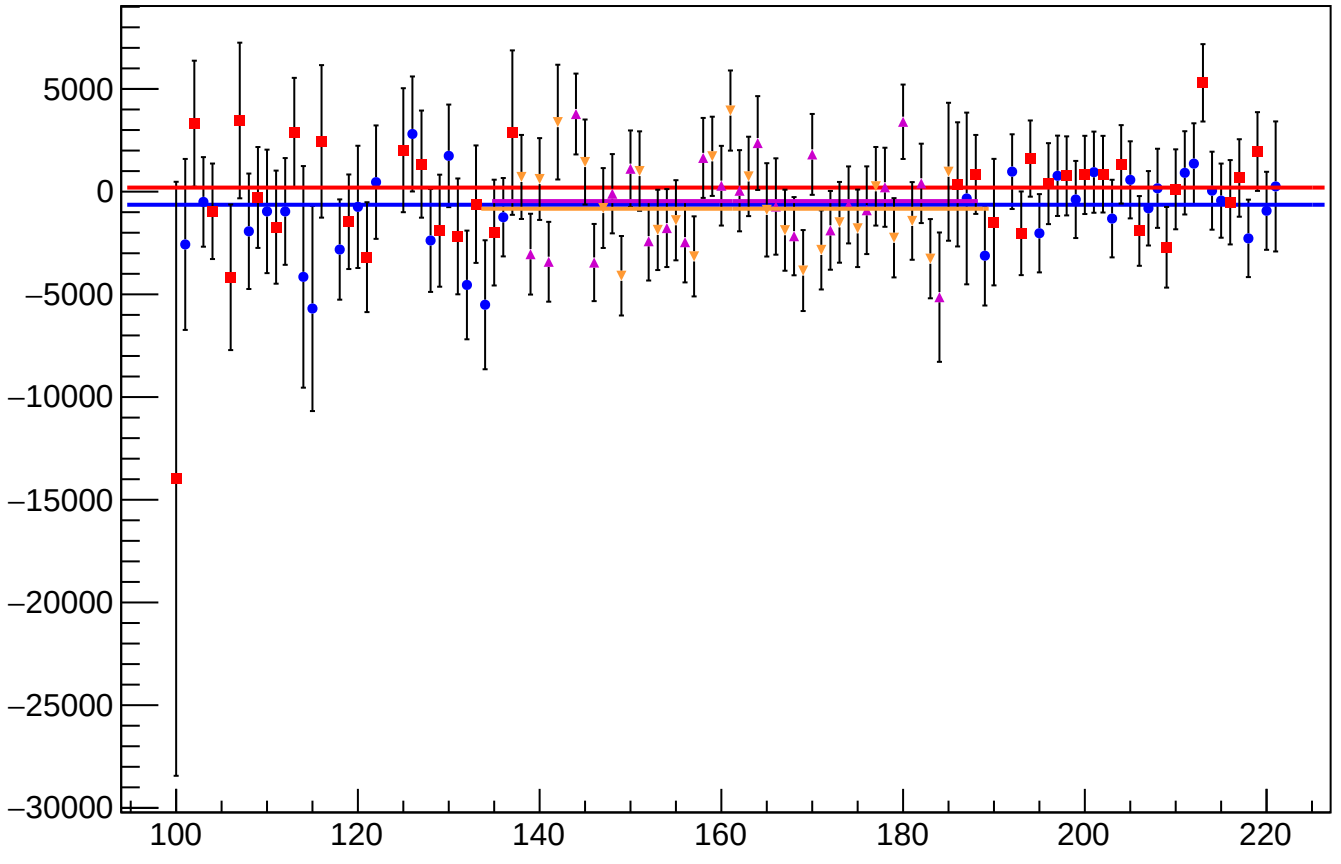
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 31223192.6/68

In: 0.000+/-0.000 χ^2/NDF:24558991.9/56

Out: 0.000+/-0.000 χ^2/NDF:22722879.4/58

All: 0.000+/-0.000 χ^2/NDF: 47319722.4/115



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: 197.938+/-393.355 χ^2/NDF: 26.6/34

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

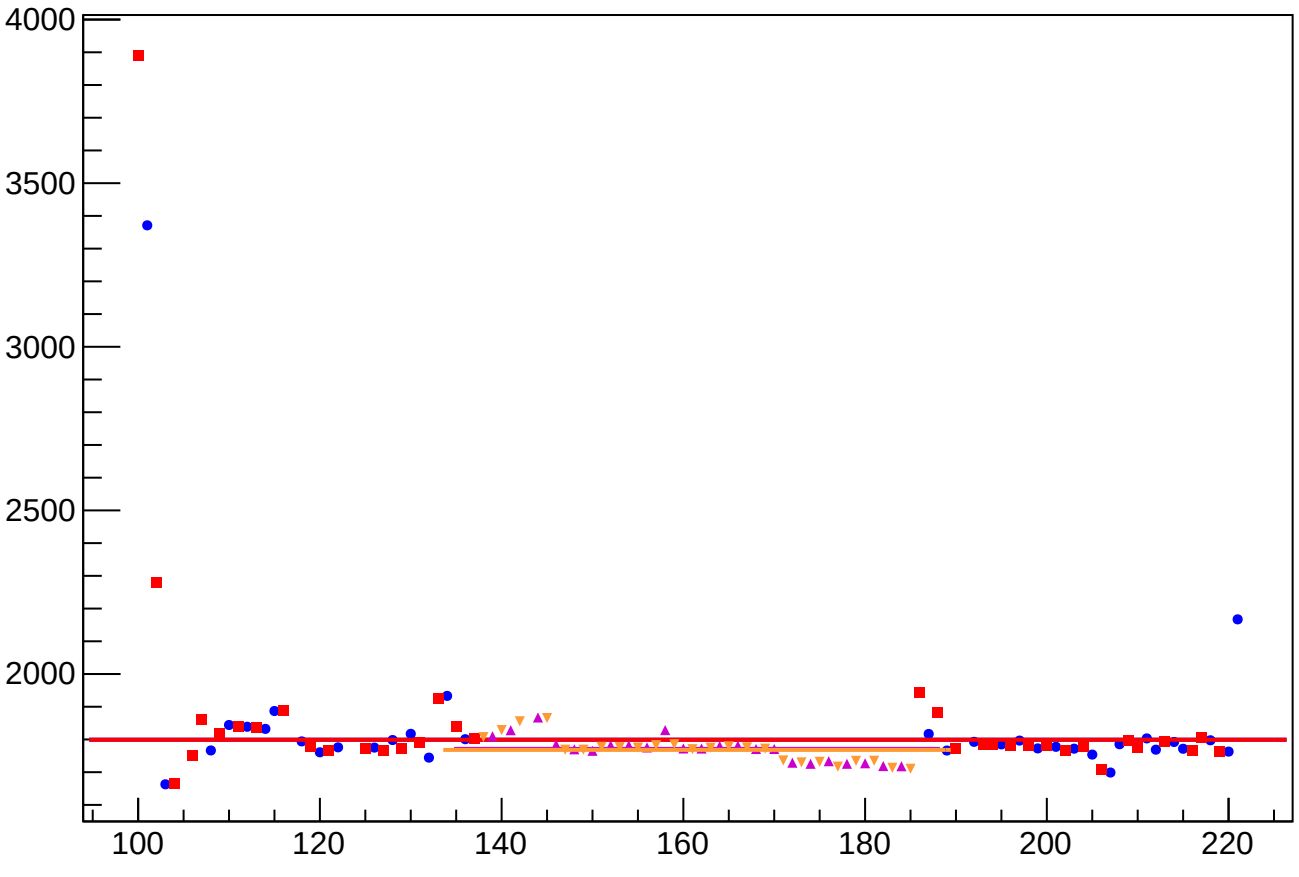
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -224.224+/-276.719 χ^2/NDF: 46.2/68

In: -554.105+/-283.512 χ^2/NDF:44.7/56

Out: -295.418+/-283.994 χ^2/NDF:55.3/58

All: -424.981+/-200.643 χ^2/NDF: 100.4/115



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: 1799.076+/-0.278 χ^2/NDF: 123633.3/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

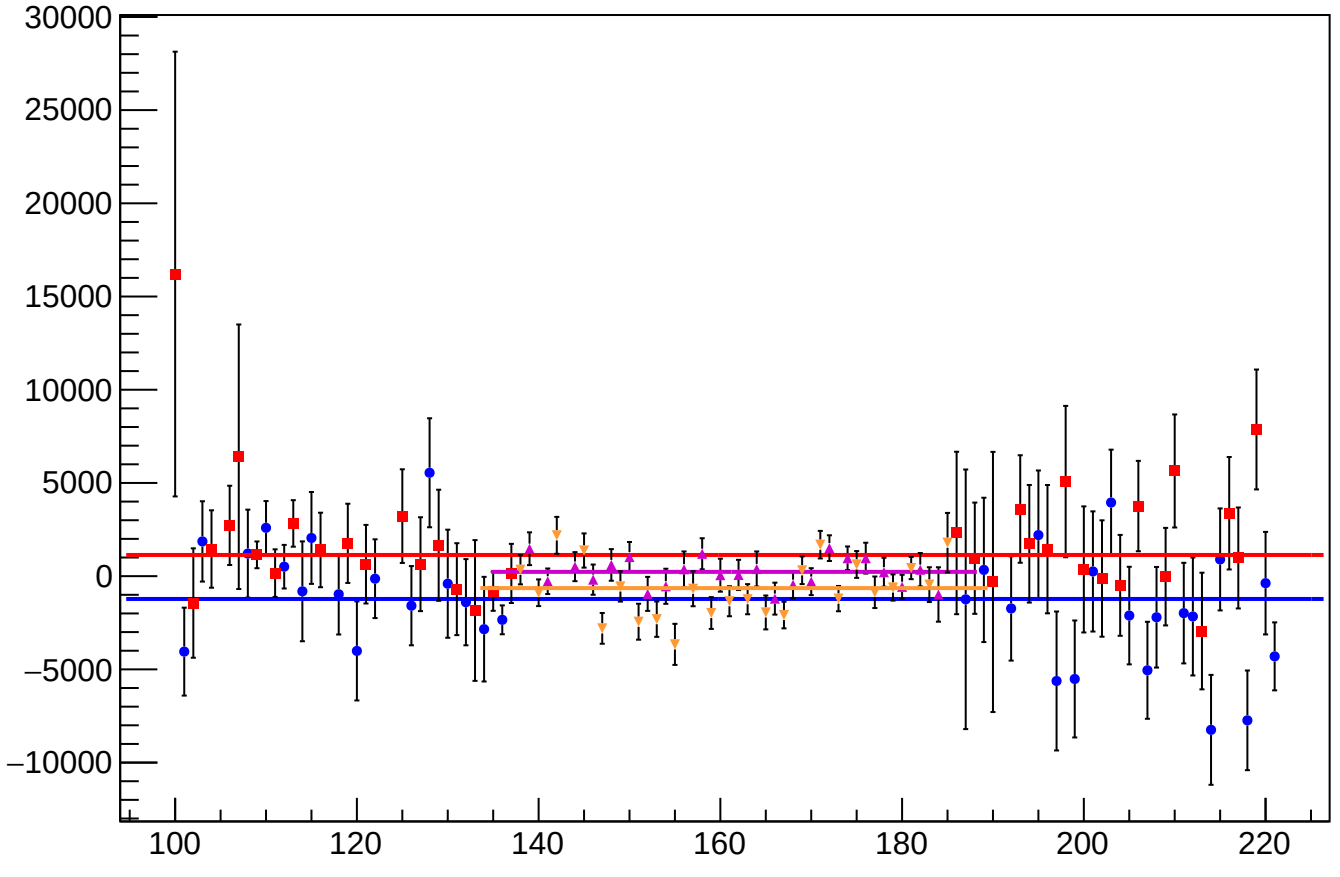
Right: 1799.205+/-0.196 χ^2/NDF: 461585.3/68

In: 1786.123+/-0.200 χ^2/NDF:359275.8/56

Out: 1784.259+/-0.201 χ^2/NDF:145919.5/58

All: 1785.193+/-0.142 χ^2/NDF: 505238.5/115

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1223.137+/-370.162 χ^2/NDF: 50.6/33

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1137.409+/-349.022 χ^2/NDF: 24.5/34

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

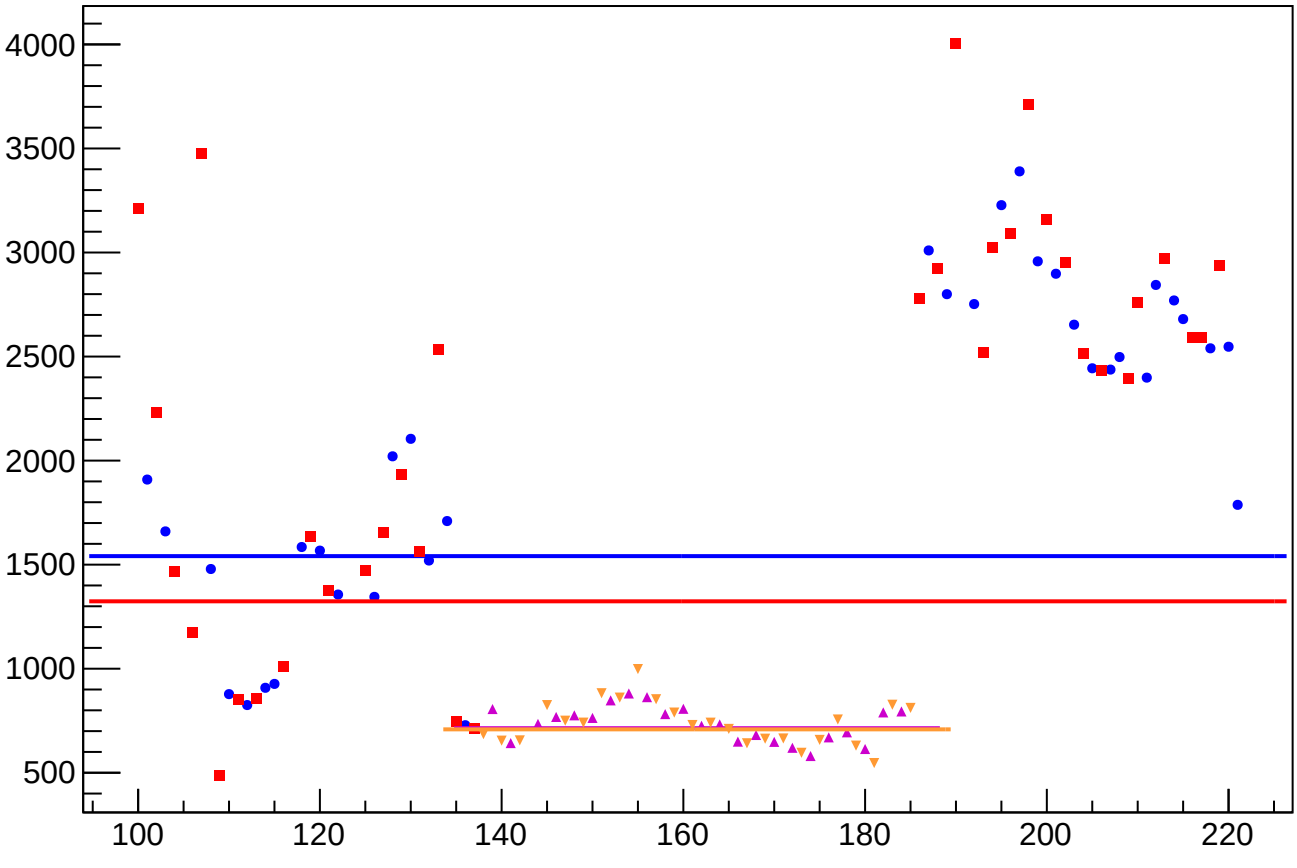
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 26.464+/-253.940 χ^2/NDF: 96.6/68

In: -18.440+/-153.222 χ^2/NDF:83.3/56

Out: -311.496+/-150.239 χ^2/NDF:112.3/58

All: -167.849+/-107.274 χ^2/NDF: 197.5/115



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: 1323.810+/-0.247 χ^2/NDF: 12873705.5/34

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

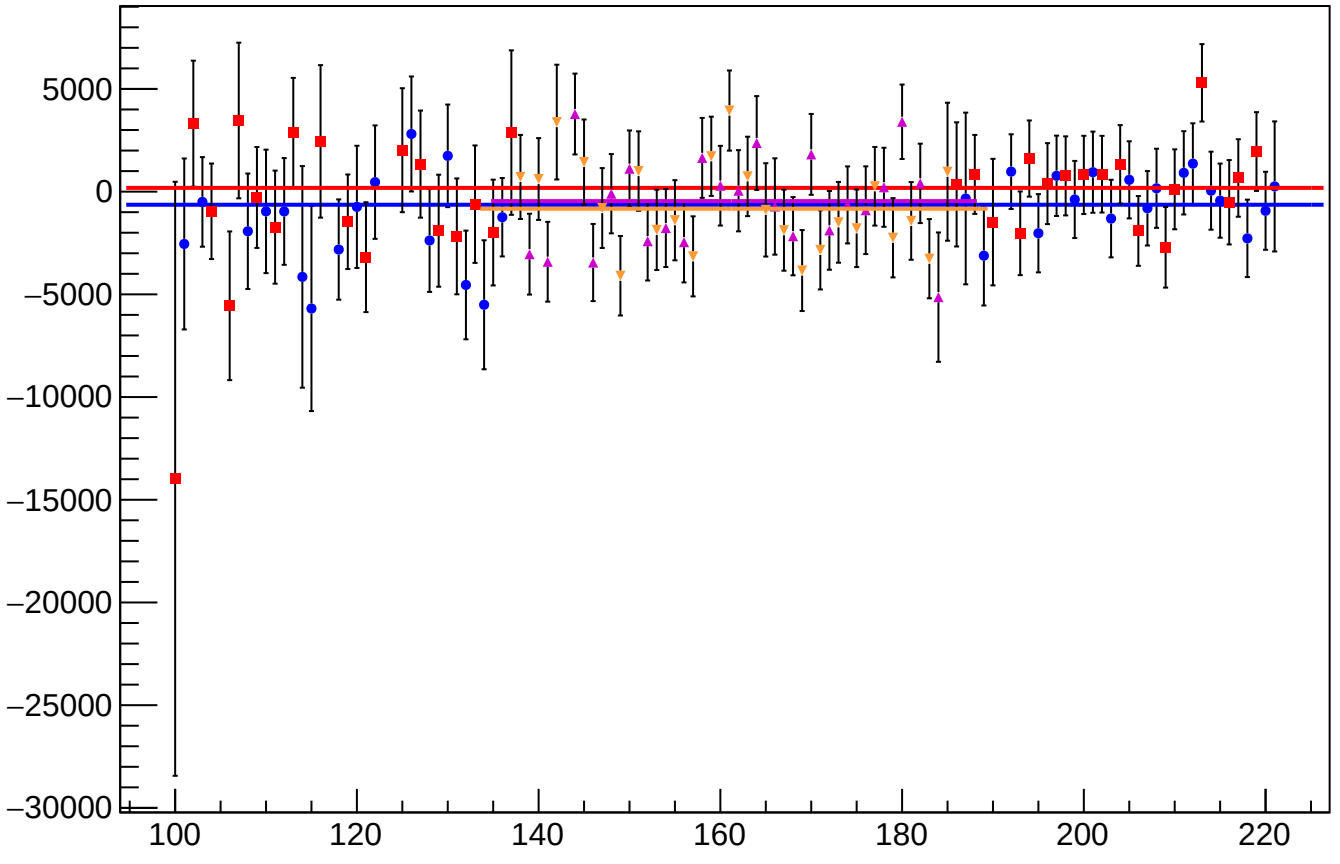
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1426.030+/-0.180 χ^2/NDF: 22335007.3/68

In: 855.834+/-0.108 χ^2/NDF:17863398.0/56

Out: 822.515+/-0.106 χ^2/NDF:18638374.8/58

All: 838.847+/-0.076 χ^2/NDF: 36549990.5/1



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: 183.712+/-393.454 χ^2/NDF: 27.6/34

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

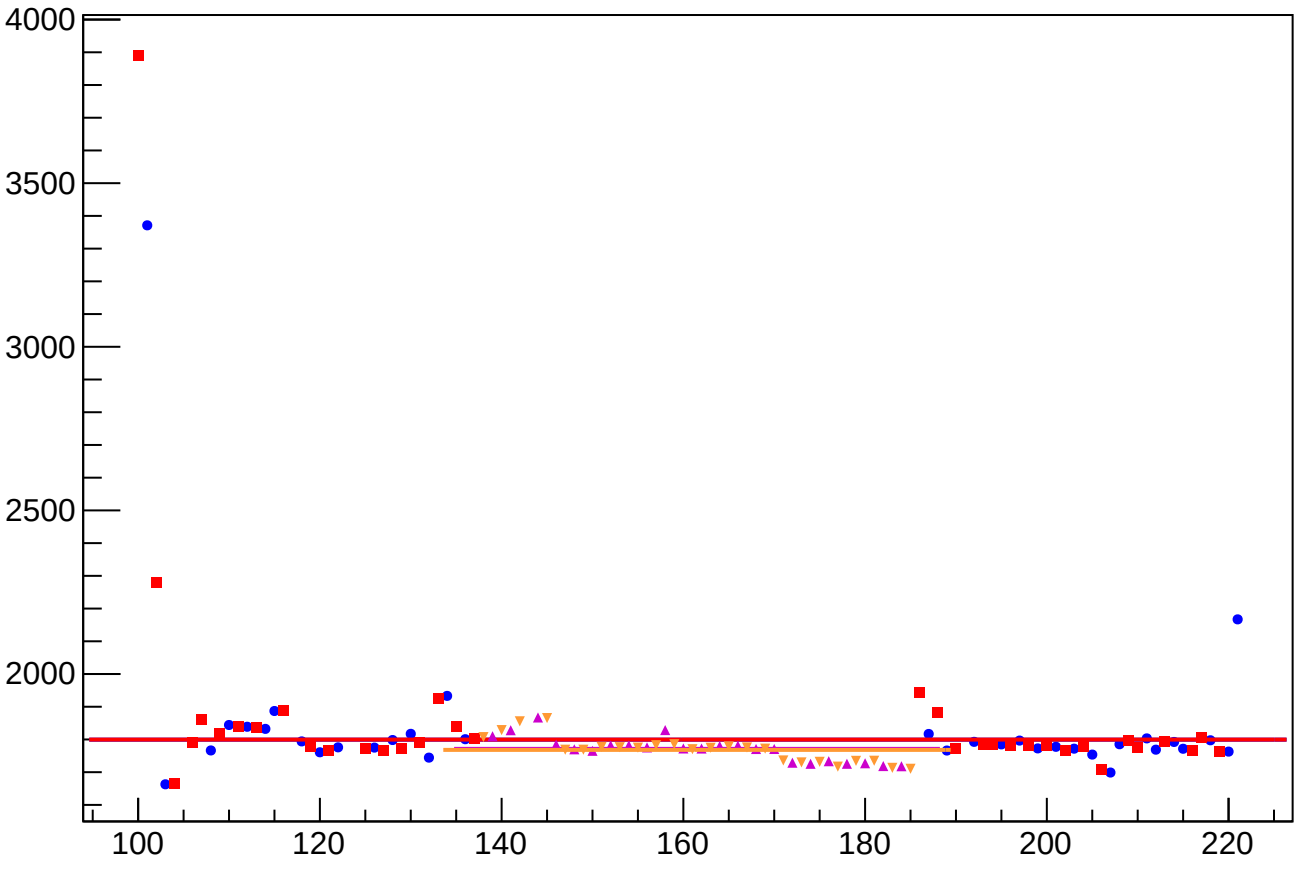
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -231.248+/-276.753 χ^2/NDF: 47.2/68

In: -553.960+/-283.512 χ^2/NDF:44.7/56

Out: -302.910+/-284.032 χ^2/NDF:56.2/58

All: -428.665+/-200.657 χ^2/NDF: 101.3/115



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: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

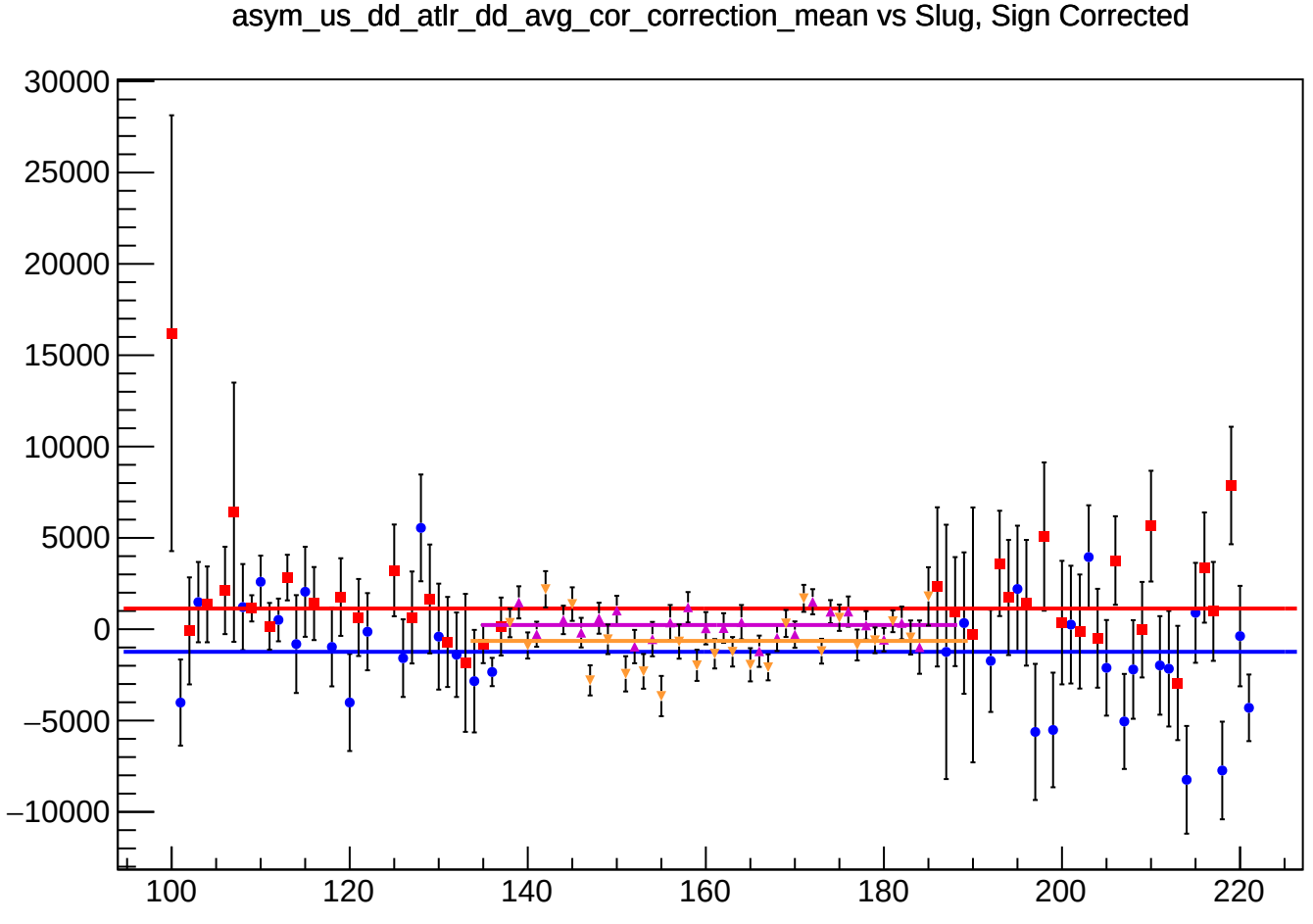
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1799.456+/-0.196 χ^2/NDF: 461218.7/68

In: 1786.123+/-0.200 χ^2/NDF:359277.6/56

Out: 1784.519+/-0.201 χ^2/NDF:145745.7/58

All: 1785.323+/-0.142 χ^2/NDF: 505055.2/115



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: 1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

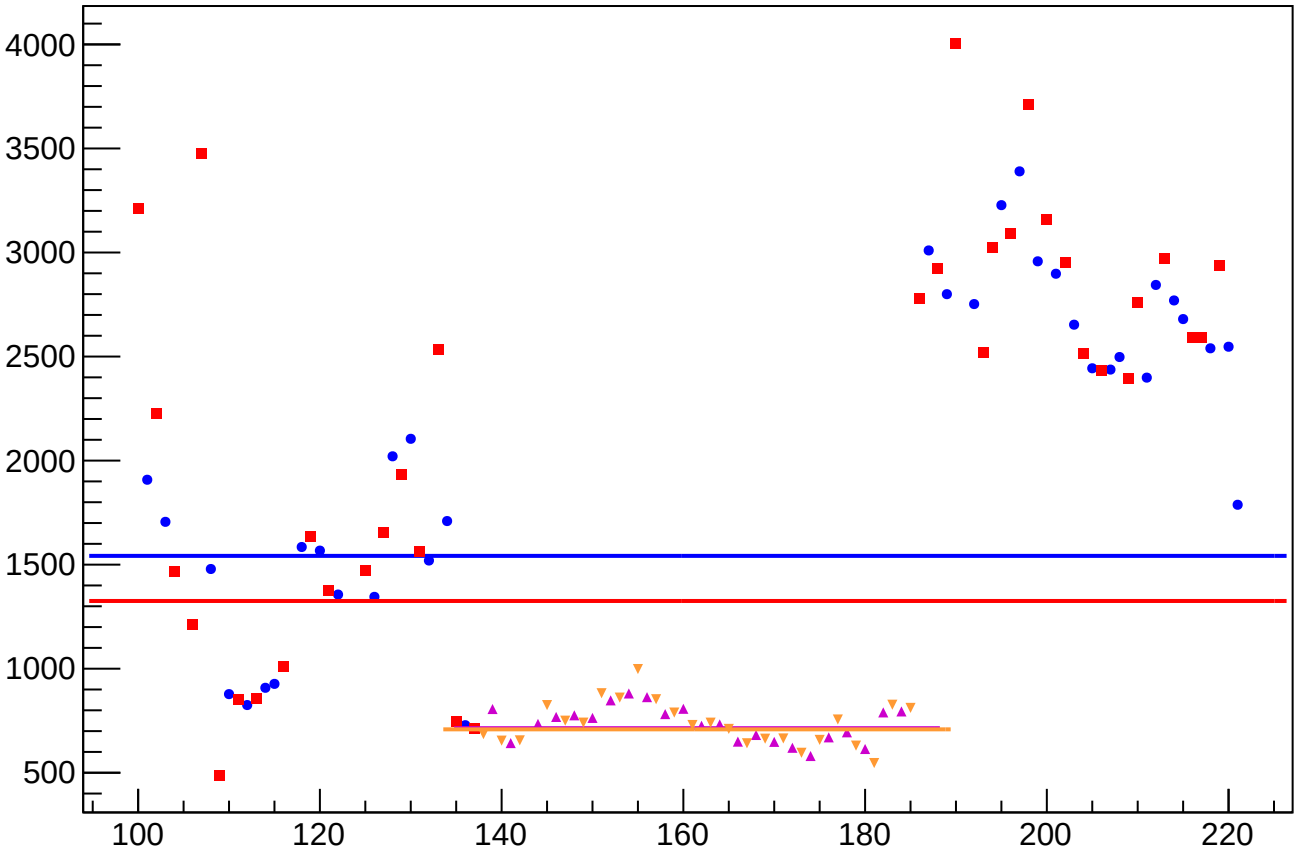
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 14.414+/-254.385 χ^2/NDF: 95.1/68

In: -20.611+/-153.239 χ^2/NDF:83.0/56

Out: -314.015+/-150.317 χ^2/NDF:111.1/58

All: -170.137+/-107.308 χ^2/NDF: 195.9/115



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: 1325.437+/-0.247 χ^2/NDF: 12867170.0/34

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

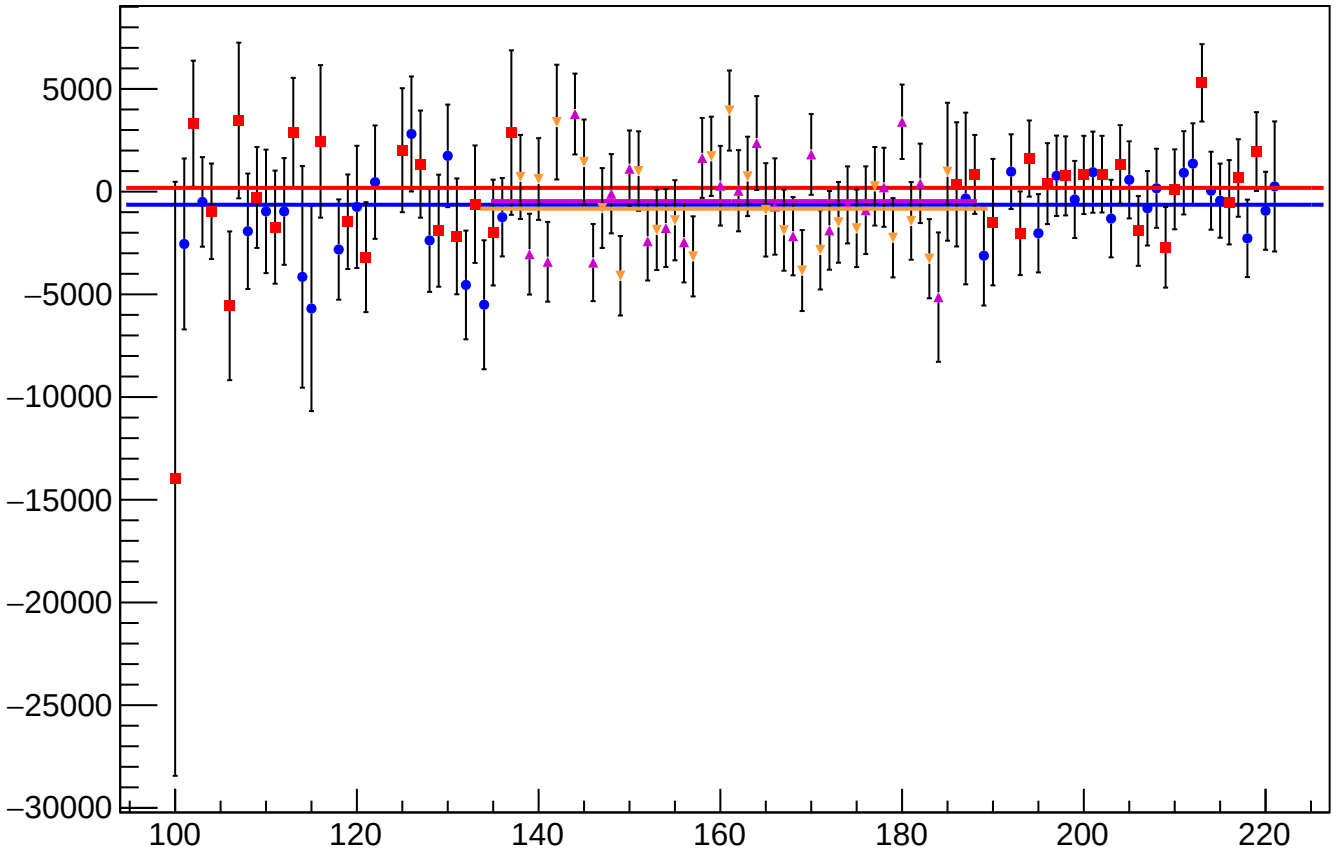
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1427.678+/-0.180 χ^2/NDF: 22330664.6/68

In: 855.902+/-0.108 χ^2/NDF:17883411.6/56

Out: 822.306+/-0.106 χ^2/NDF:18635509.2/58

All: 838.780+/-0.076 χ^2/NDF: 36567912.5/11



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: 183.712+/-393.454 χ^2/NDF: 27.6/34

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

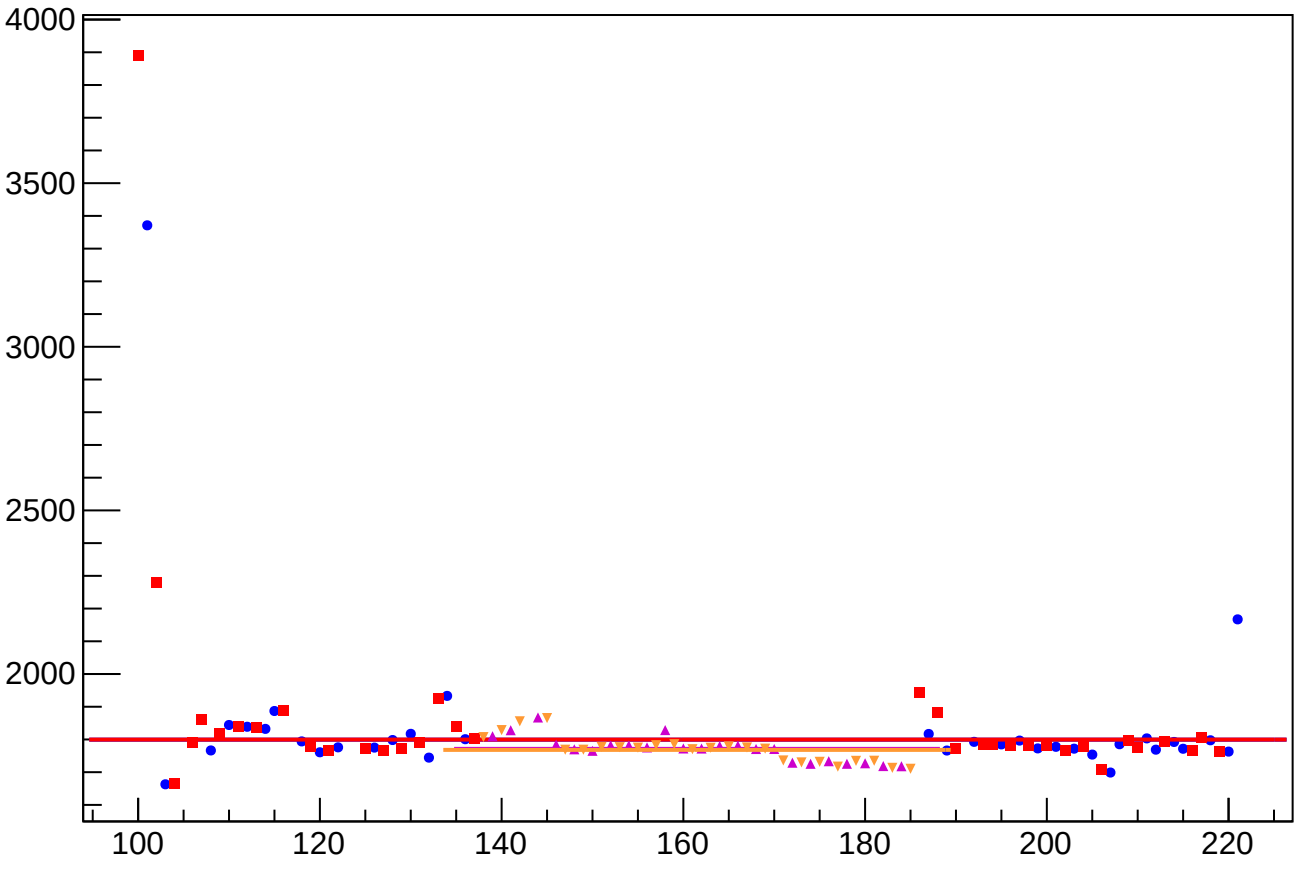
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -231.248+/-276.753 χ^2/NDF: 47.2/68

In: -553.960+/-283.512 χ^2/NDF:44.7/56

Out: -302.910+/-284.032 χ^2/NDF:56.2/58

All: -428.665+/-200.657 χ^2/NDF: 101.3/115



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: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

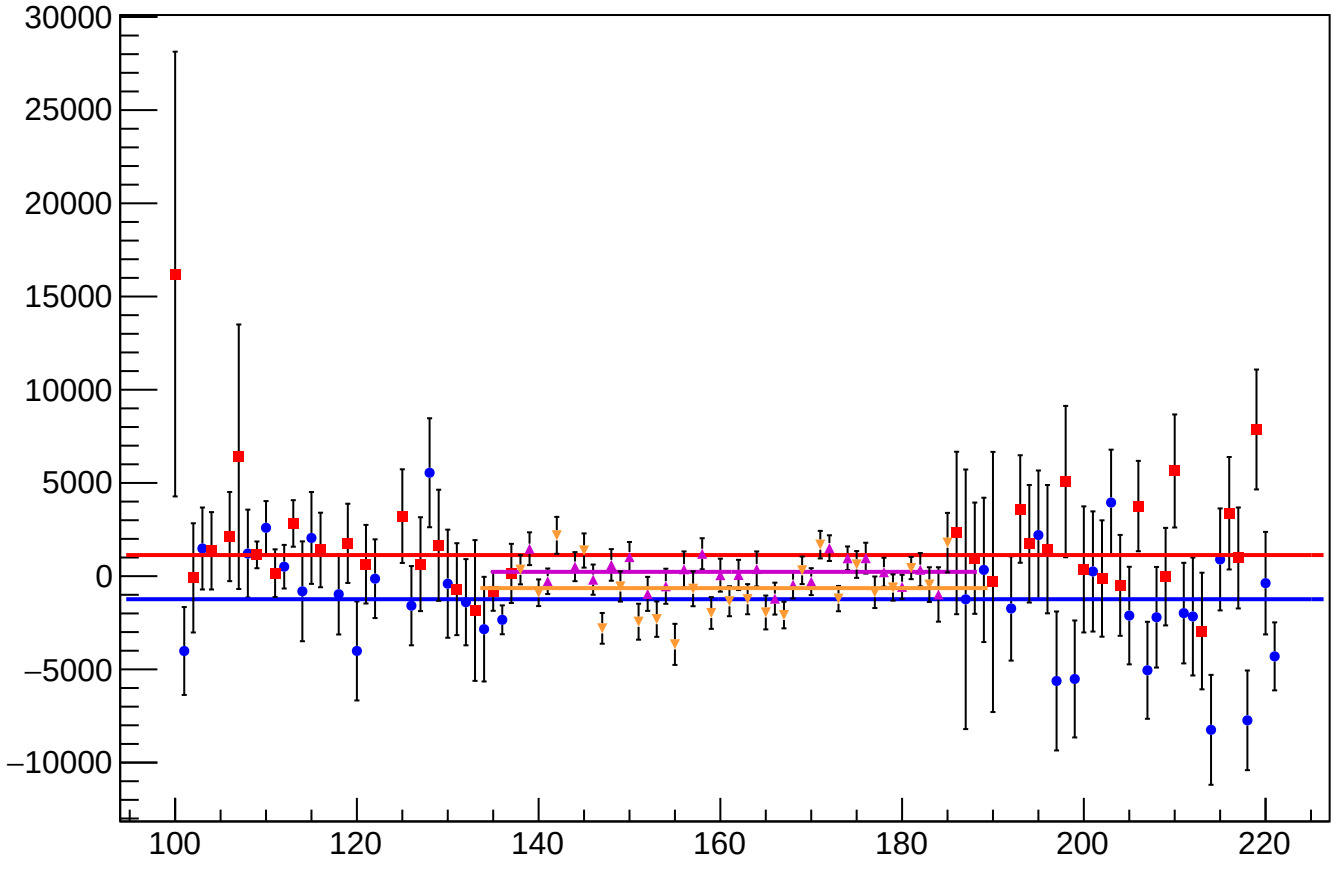
Right: 1799.456+/-0.196 χ^2/NDF: 461218.7/68

In: 1786.123+/-0.200 χ^2/NDF:359277.6/56

Out: 1784.519+/-0.201 χ^2/NDF:145745.7/58

All: 1785.323+/-0.142 χ^2/NDF: 505055.2/115

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: 1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

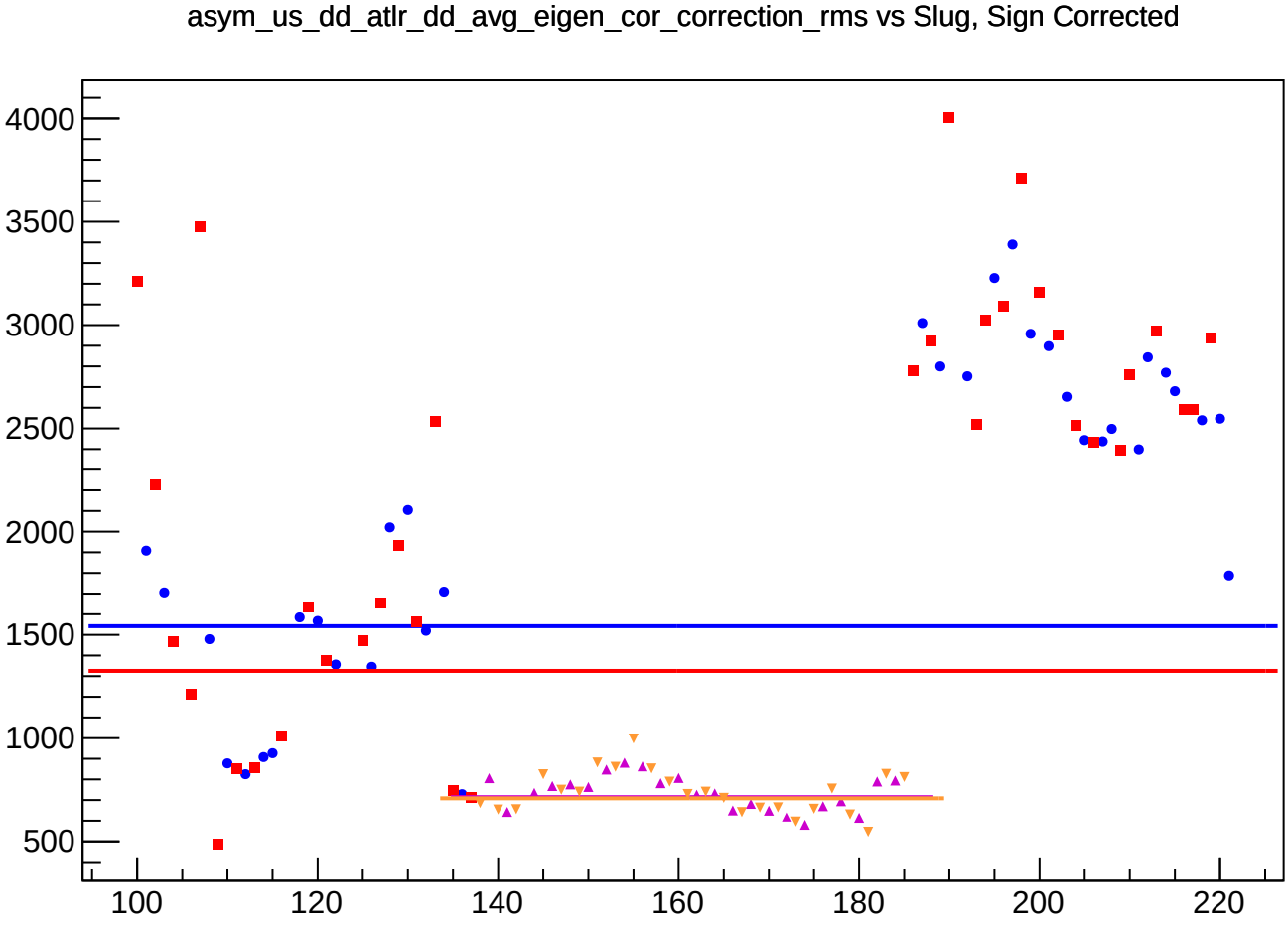
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 14.414+/-254.385 χ^2/NDF: 95.1/68

In: -20.611+/-153.239 χ^2/NDF:83.0/56

Out: -314.015+/-150.317 χ^2/NDF:111.1/58

All: -170.137+/-107.308 χ^2/NDF: 195.9/115


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
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100
120
140
160
180
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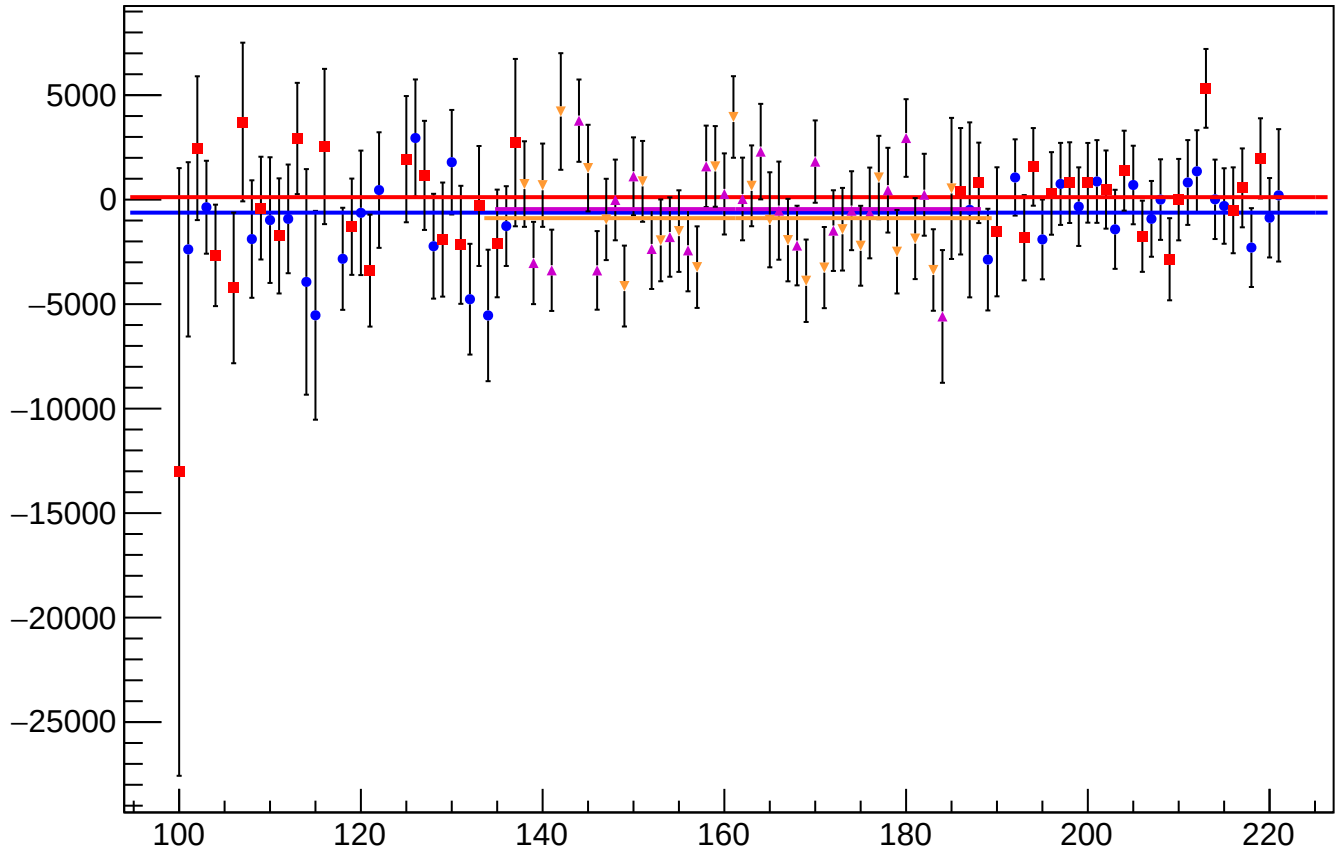
220
Right In: 1542.177+/-0.262 χ²/NDF: 9101689.4/33
Left Out: 708.508+/-0.118 χ²/NDF:700448.7/23
Right Out: 1325.437+/-0.247 χ²/NDF: 12867170.0/34
Left In: 714.168+/-0.119 χ²/NDF:497252.3/22
Left: 711.307+/-0.084 χ²/NDF: 1198844.2/46
Right: 1427.678+/-0.180 χ²/NDF: 22330664.6/68
In: 855.902+/-0.108 χ²/NDF:17883411.6/56
Out: 822.306+/-0.106 χ²/NDF:18635509.2/58
All: 838.780+/-0.076 χ²/NDF: 36567912.5/11



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: 118.256+/-395.127 χ^2/NDF: 26.9/34

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

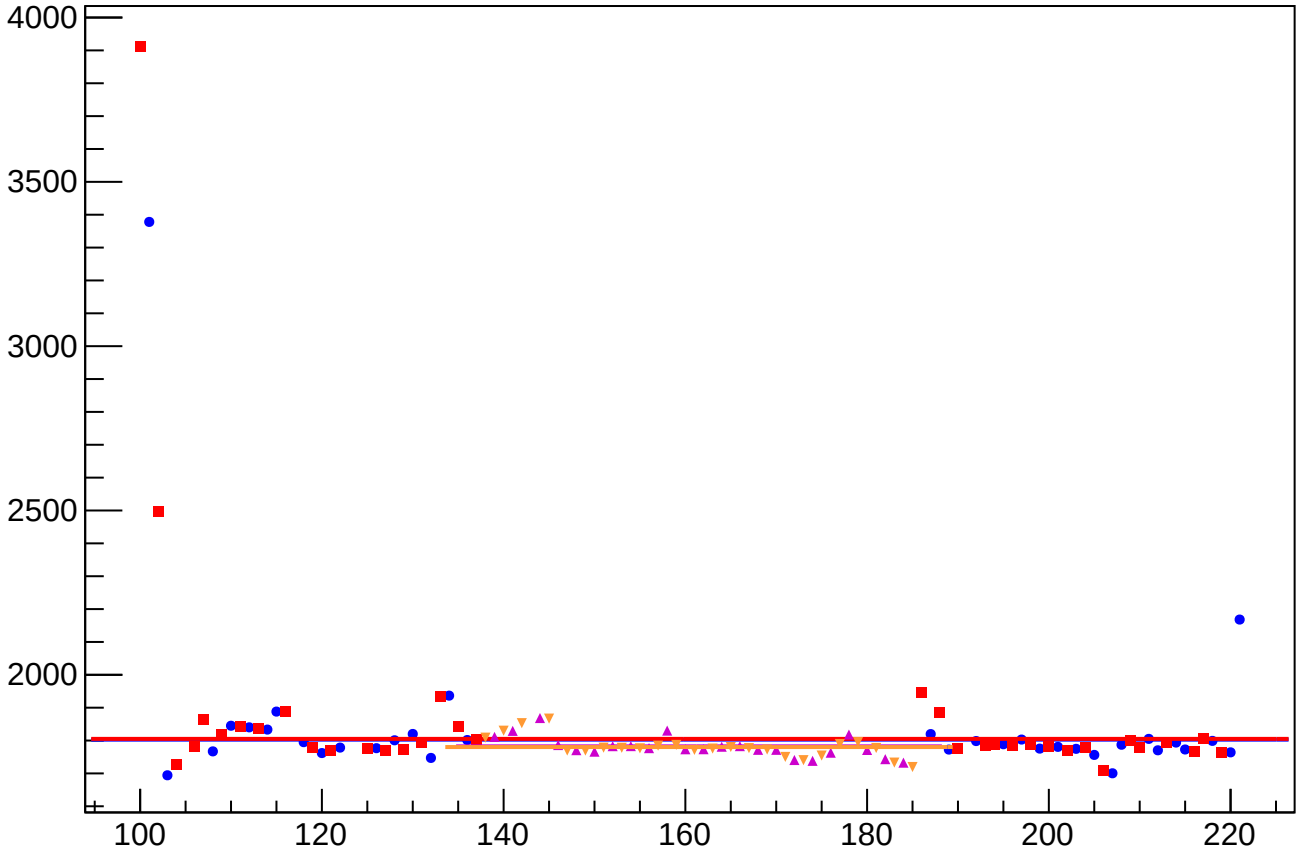
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -256.935+/-277.605 χ^2/NDF: 45.9/68

In: -543.424+/-284.626 χ^2/NDF:43.2/56

Out: -361.565+/-285.581 χ^2/NDF:58.1/58

All: -452.799+/-201.598 χ^2/NDF: 101.5/115



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: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

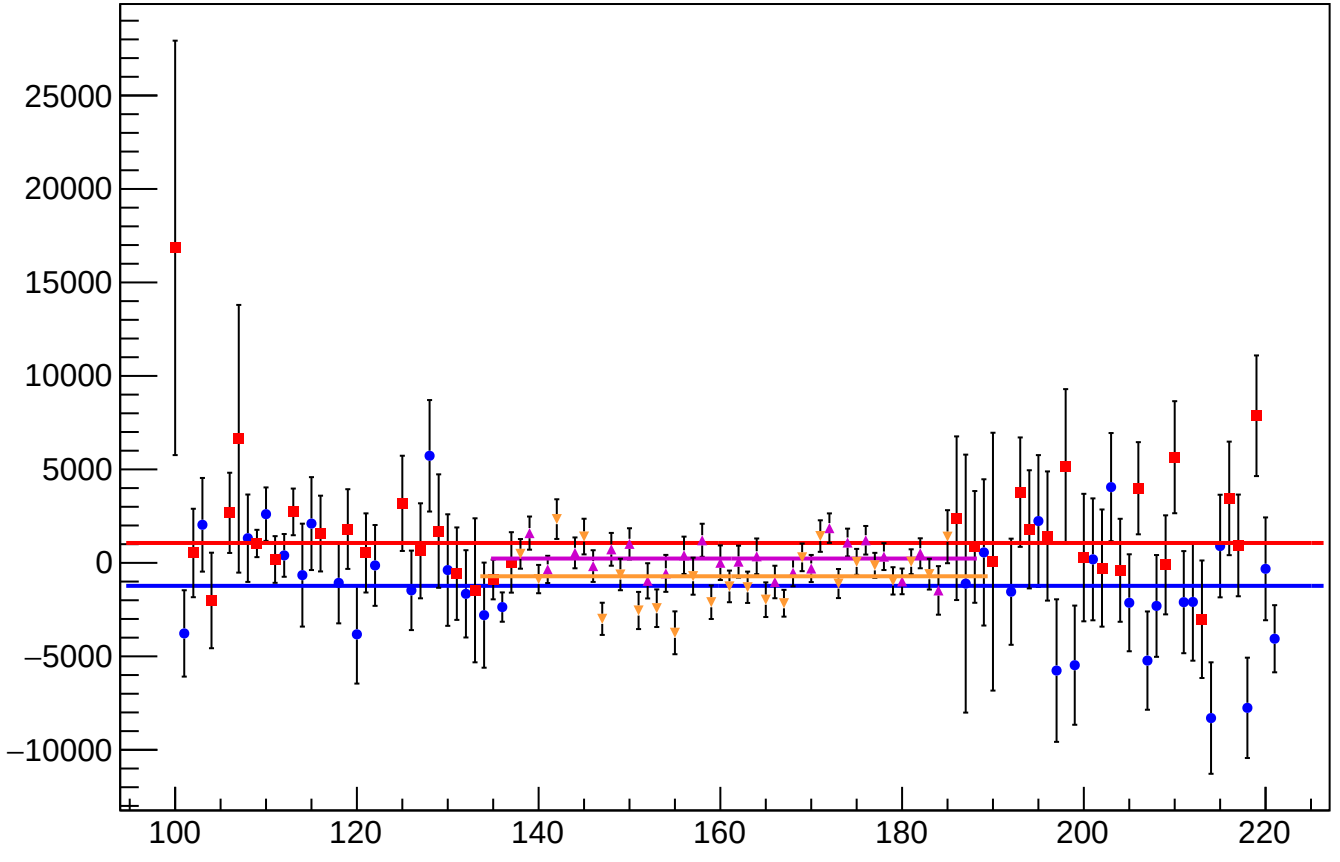
Right: 1803.936+/-0.196 χ^2/NDF: 486608.2/68

In: 1793.231+/-0.201 χ^2/NDF:348936.5/56

Out: 1793.198+/-0.202 χ^2/NDF:165620.9/58

All: 1793.215+/-0.143 χ^2/NDF: 514557.4/115

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: 1064.254+/-352.184 χ^2/NDF: 25.9/34

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

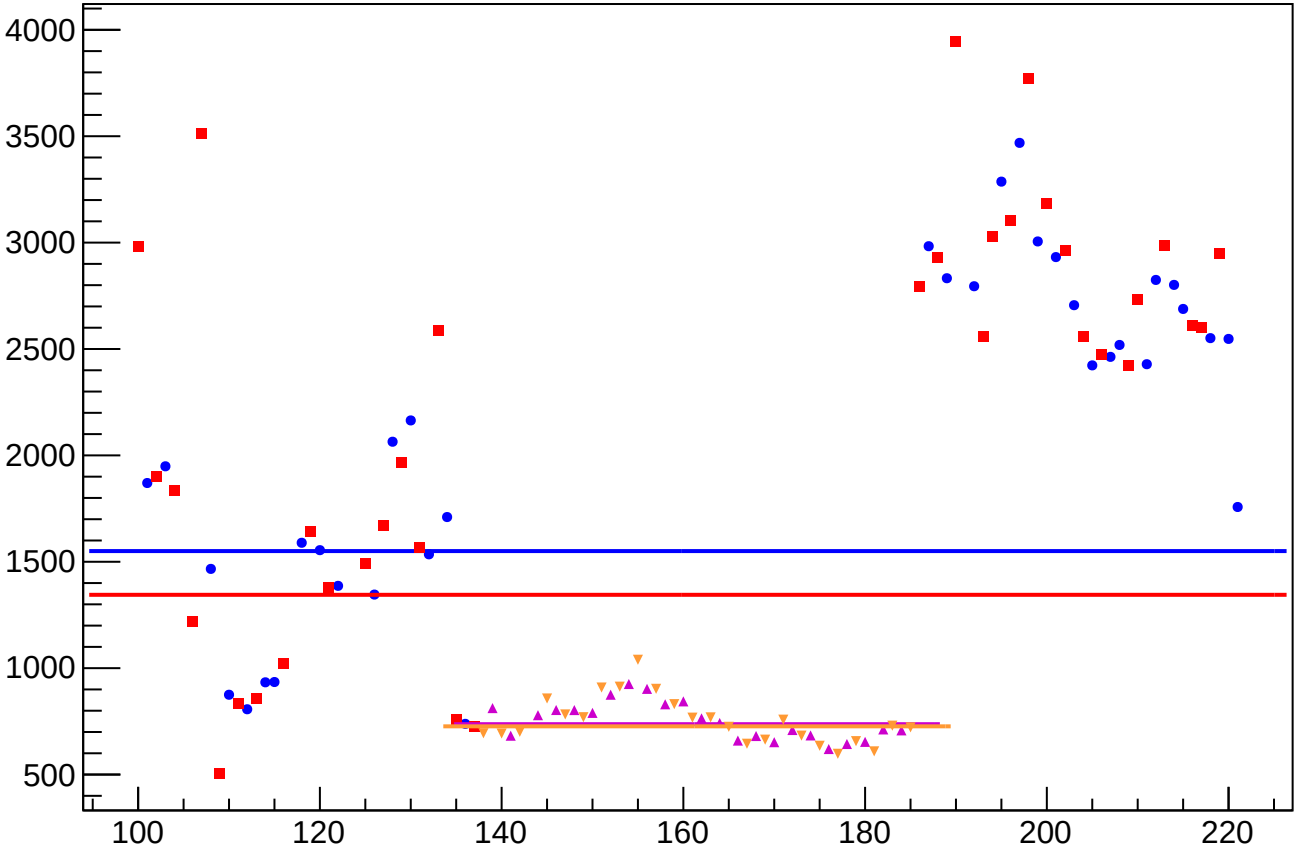
Right: -16.817+/-256.044 χ^2/NDF: 95.6/68

In: -28.359+/-157.259 χ^2/NDF:86.5/56

Out: -378.134+/-153.537 χ^2/NDF:106.0/58

All: -207.436+/-109.859 χ^2/NDF: 195.0/115

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1550.273+/-0.264 χ^2/NDF: 9221420.7/33

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1344.744+/-0.249 χ^2/NDF: 12727846.8/34

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

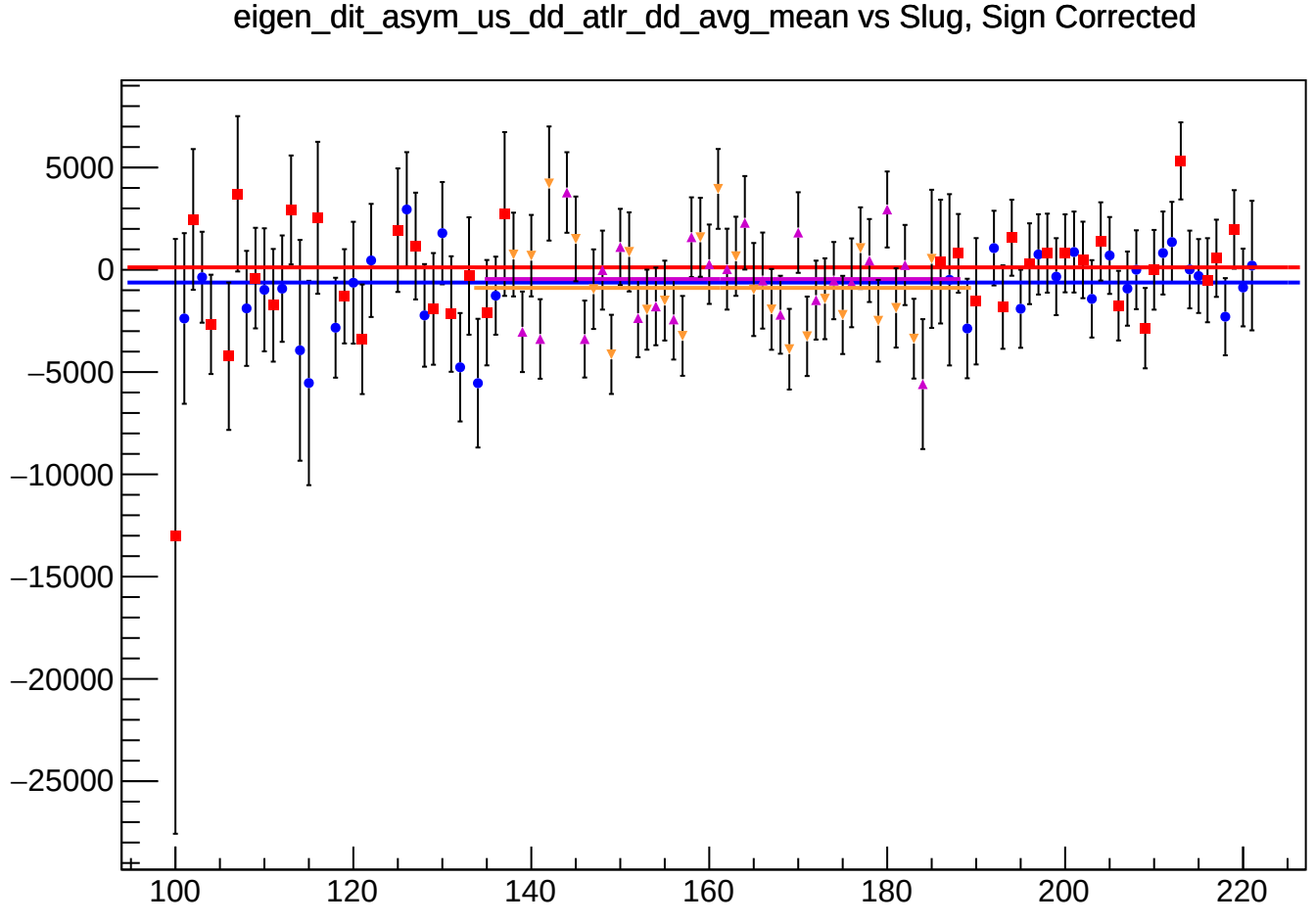
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1441.639+/-0.181 χ^2/NDF: 22270388.1/68

In: 881.394+/-0.111 χ^2/NDF:17512950.5/56

Out: 844.087+/-0.109 χ^2/NDF:18402840.5/58

All: 862.294+/-0.078 χ^2/NDF: 35973418.4/11



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: 118.252+/-395.127 χ^2/NDF: 26.9/34

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

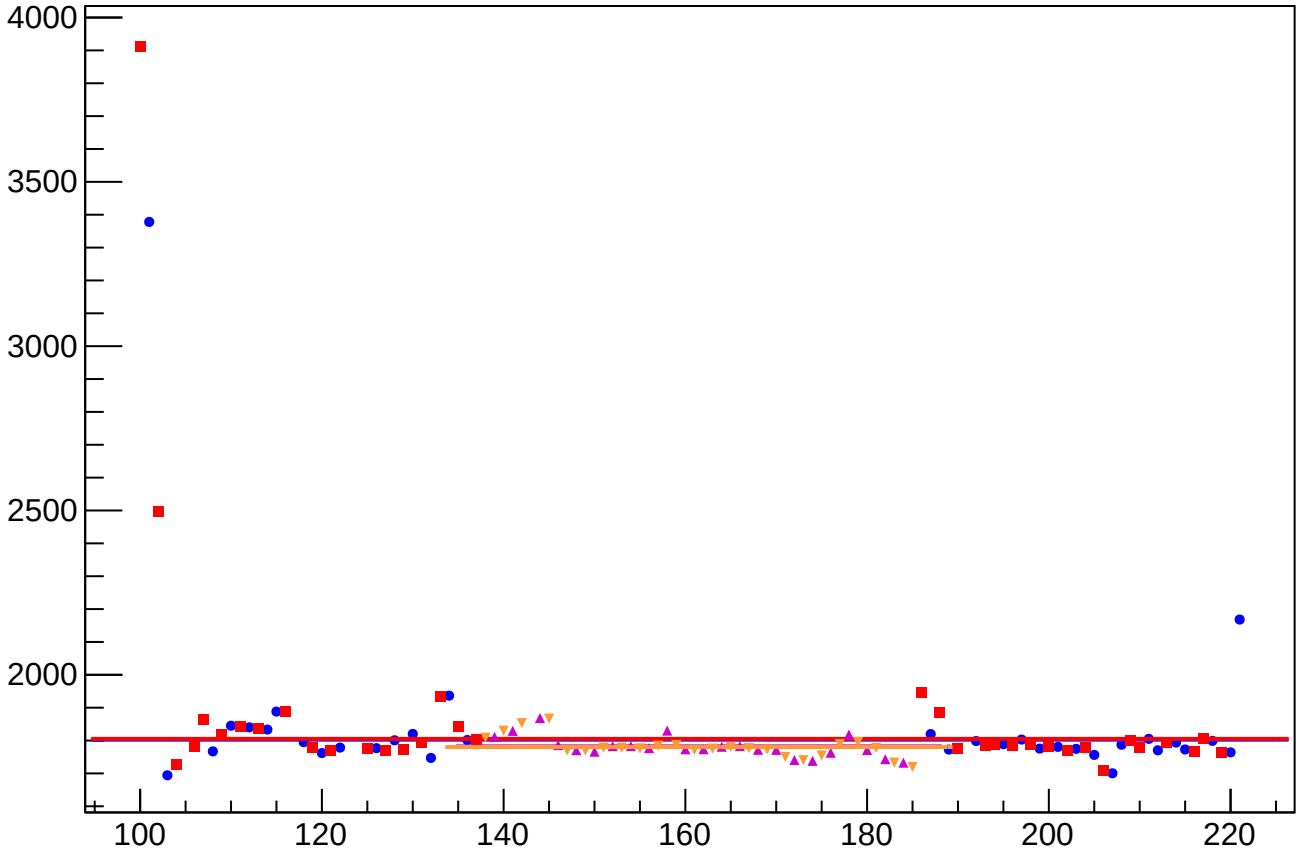
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -256.936+/-277.605 χ^2/NDF: 45.9/68

In: -543.422+/-284.626 χ^2/NDF:43.2/56

Out: -361.567+/-285.581 χ^2/NDF:58.1/58

All: -452.799+/-201.598 χ^2/NDF: 101.5/115



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: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

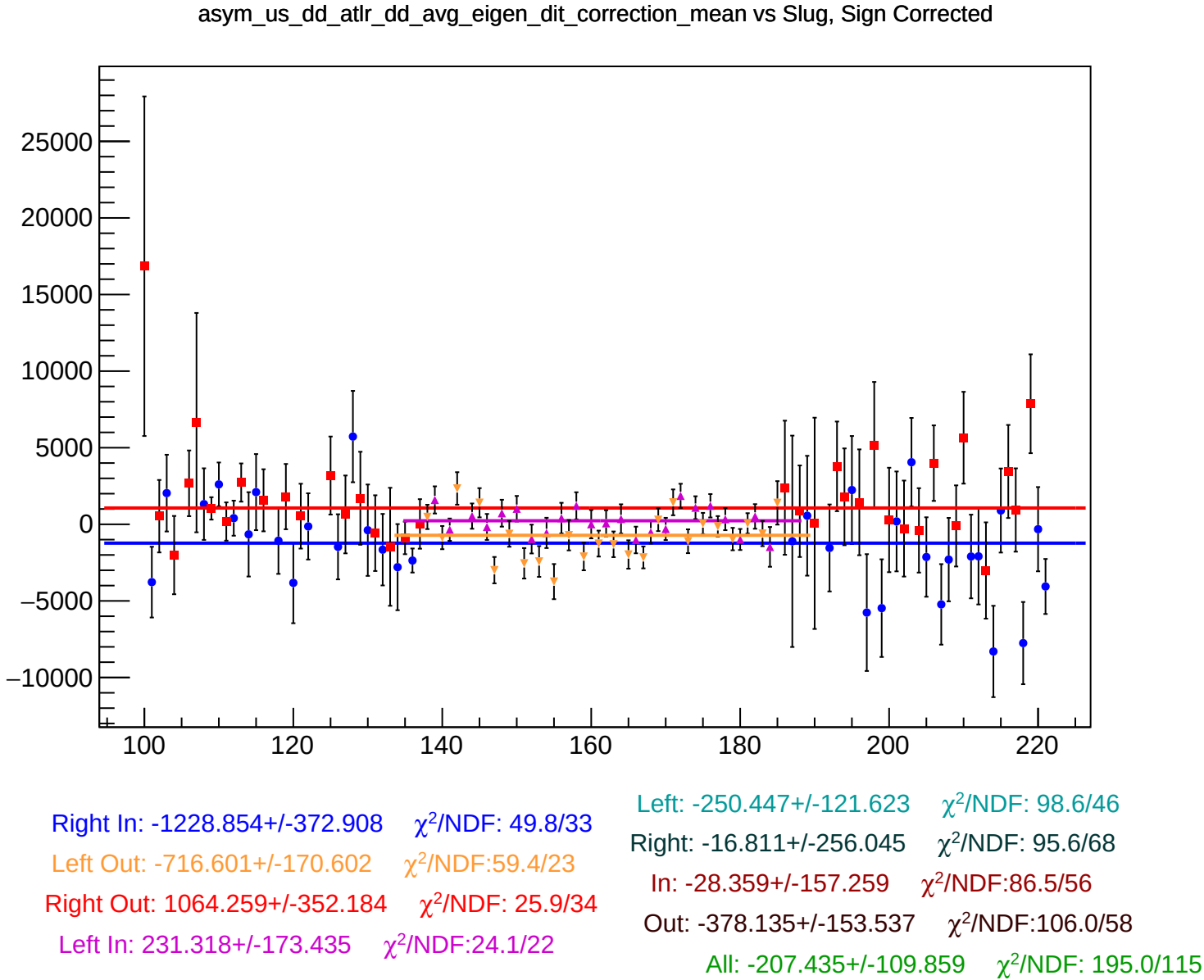
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1803.936+/-0.196 χ^2/NDF: 486608.3/68

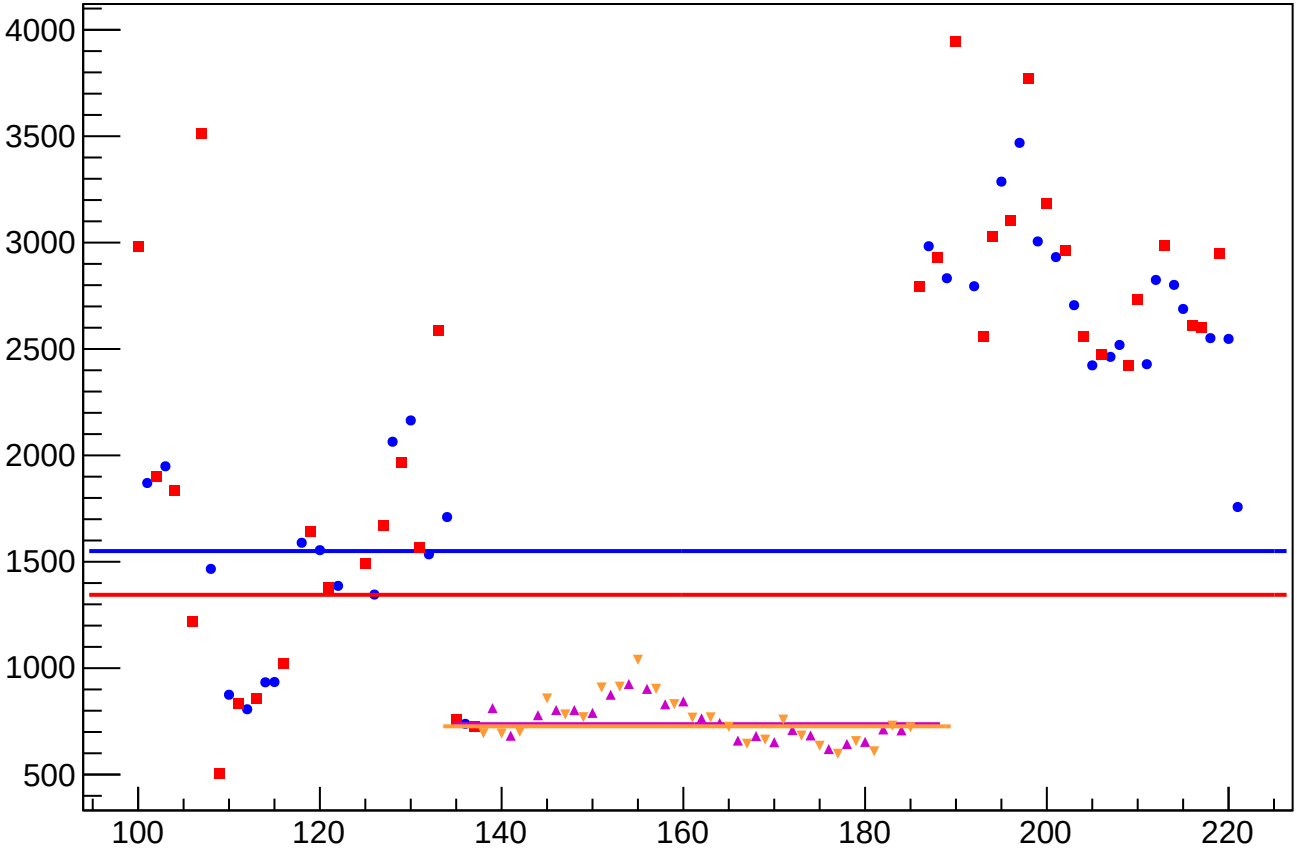
In: 1793.231+/-0.201 χ^2/NDF:348936.5/56

Out: 1793.198+/-0.202 χ^2/NDF:165621.0/58

All: 1793.215+/-0.143 χ^2/NDF: 514557.5/115


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1228.854+/-372.908 χ²/NDF: 49.8/33
Left Out: -716.601+/-170.602 χ²/NDF:59.4/23
Right Out: 1064.259+/-352.184 χ²/NDF: 25.9/34
Left In: 231.318+/-173.435 χ²/NDF:24.1/22
Left: -250.447+/-121.623 χ²/NDF: 98.6/46
Right: -16.811+/-256.045 χ²/NDF: 95.6/68
In: -28.359+/-157.259 χ²/NDF:86.5/56
Out: -378.135+/-153.537 χ²/NDF:106.0/58
All: -207.435+/-109.859 χ²/NDF: 195.0/115

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1550.276+/-0.264 χ^2/NDF: 9221356.2/33

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1344.746+/-0.249 χ^2/NDF: 12727802.5/34

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

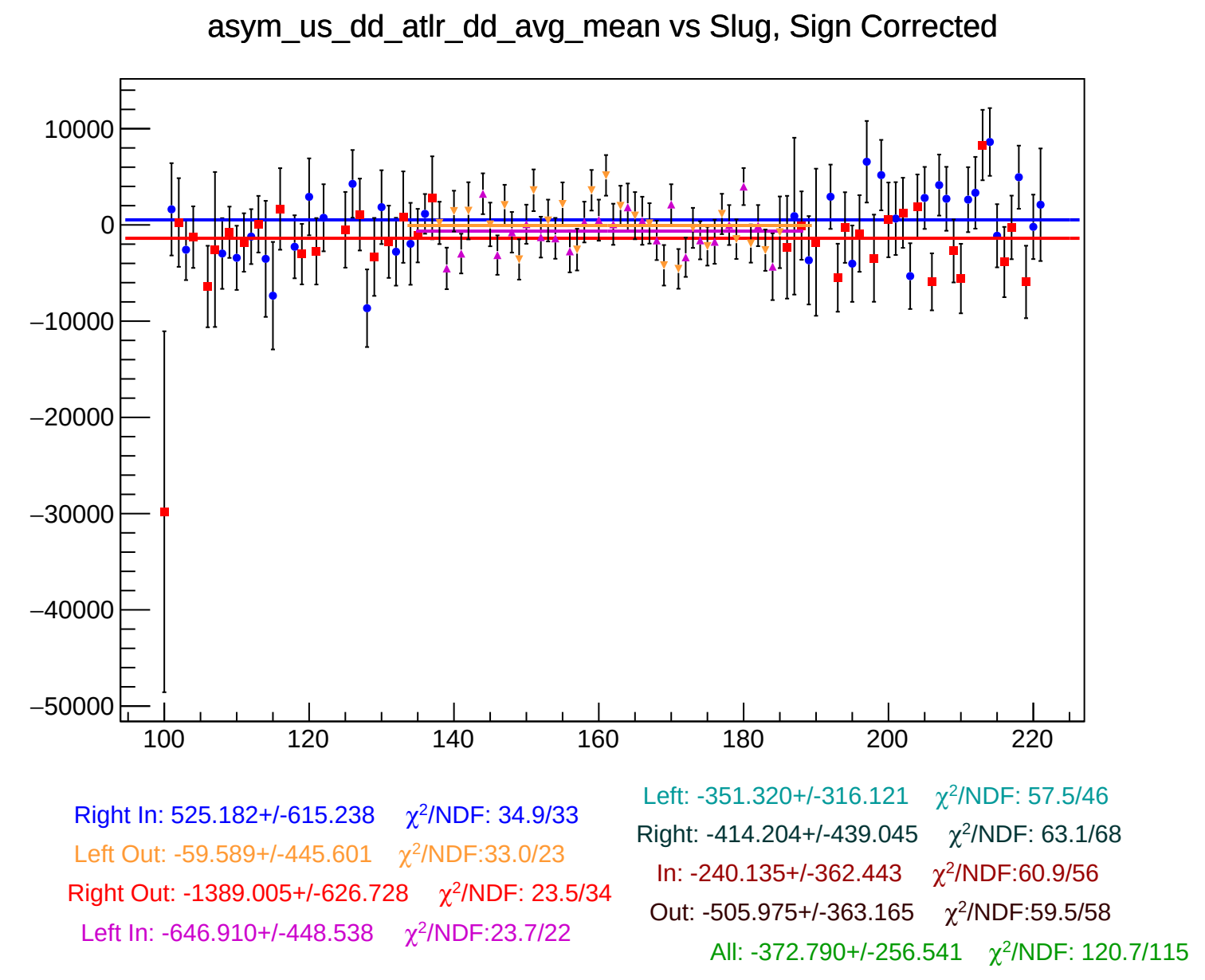
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

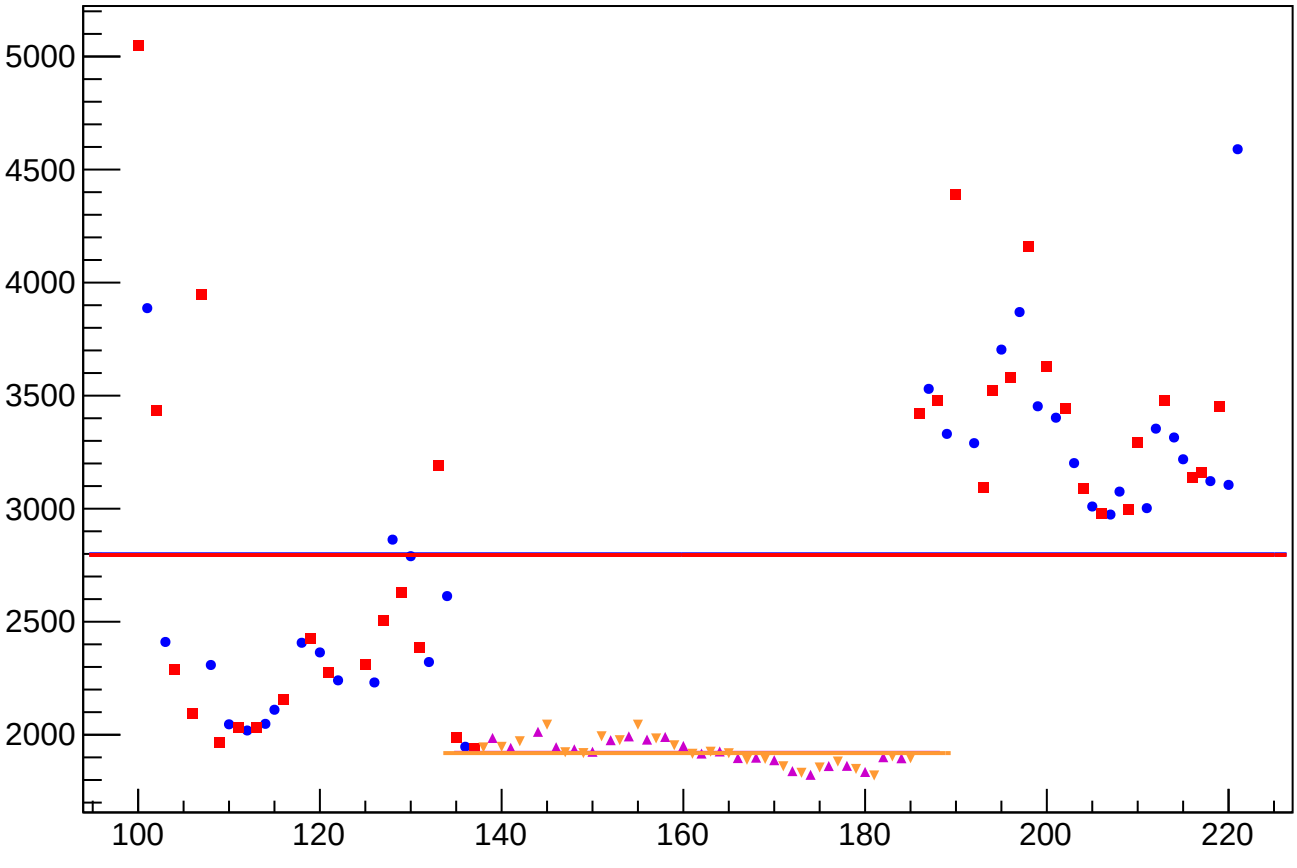
Right: 1441.642+/-0.181 χ^2/NDF: 22270278.9/68

In: 881.393+/-0.111 χ^2/NDF:17512952.4/56

Out: 844.087+/-0.109 χ^2/NDF:18402821.0/58

All: 862.294+/-0.078 χ^2/NDF: 35973398.3/11


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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: -1389.005+/-626.728 χ²/NDF: 23.5/34
Left In: -646.910+/-448.538 χ²/NDF:23.7/22
Left: -351.320+/-316.121 χ²/NDF: 57.5/46
Right: -414.204+/-439.045 χ²/NDF: 63.1/68
In: -240.135+/-362.443 χ²/NDF:60.9/56
Out: -505.975+/-363.165 χ²/NDF:59.5/58
All: -372.790+/-256.541 χ²/NDF: 120.7/115



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: 2795.233+/-0.443 χ^2/NDF: 2056145.3/34

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

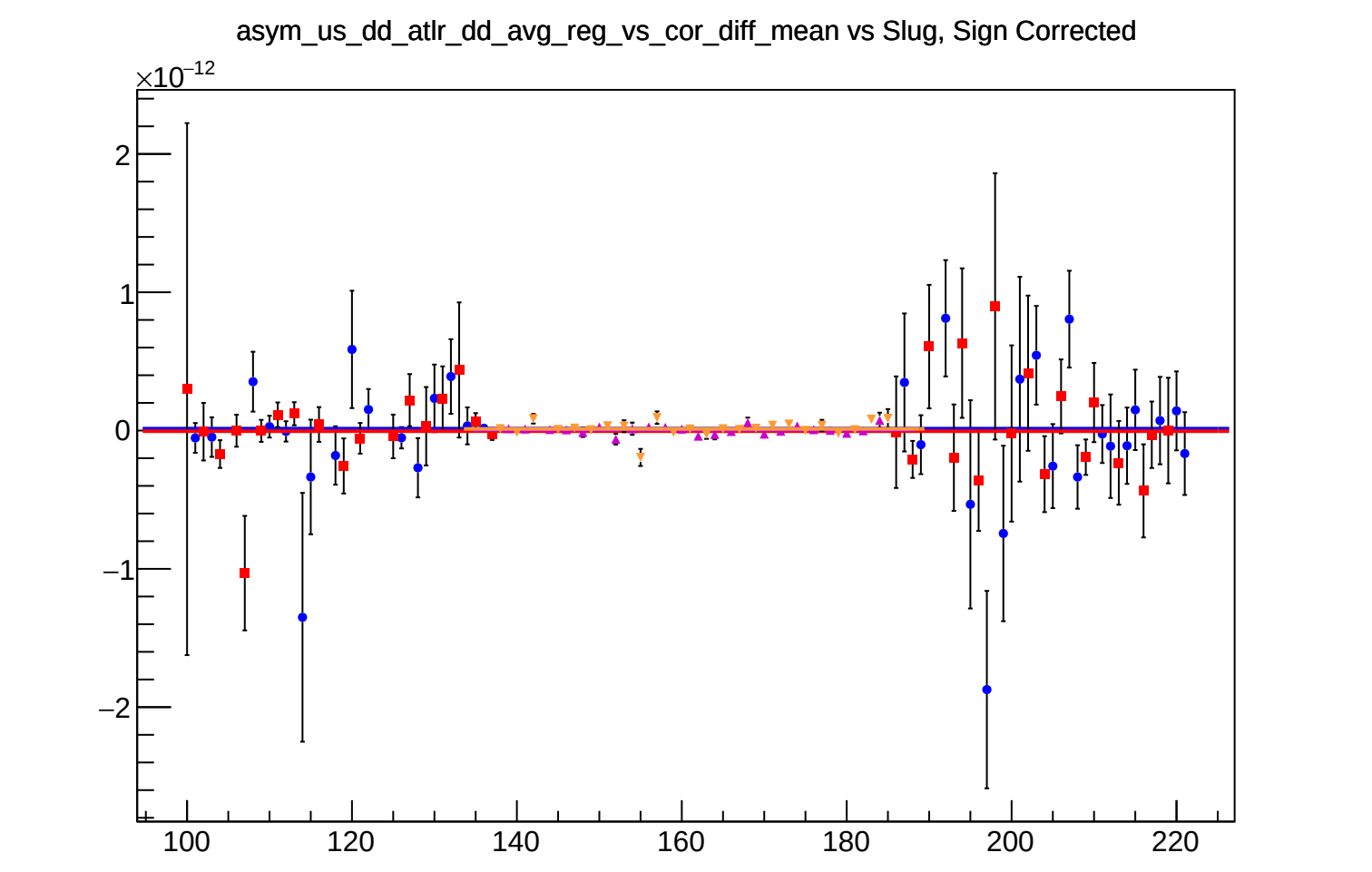
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2796.771+/-0.310 χ^2/NDF: 3915239.1/68

In: 2224.939+/-0.256 χ^2/NDF:4548799.0/56

Out: 2213.203+/-0.257 χ^2/NDF:4688603.9/58

All: 2219.083+/-0.181 χ^2/NDF: 9238449.2/11



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: 35.1/34

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

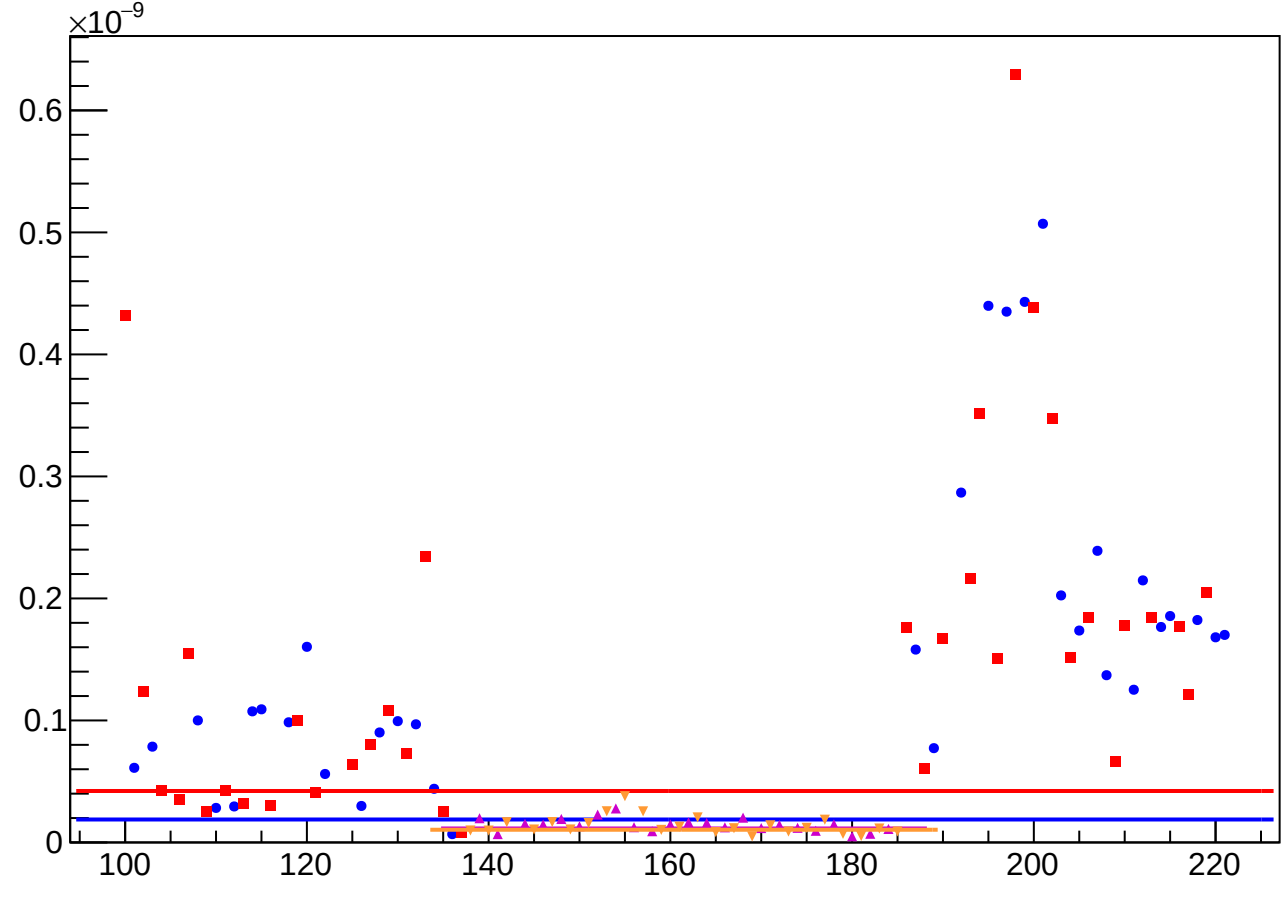
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 75.7/68

In: 0.000+/-0.000 χ^2/NDF:60.2/56

Out: 0.000+/-0.000 χ^2/NDF:73.7/58

All: 0.000+/-0.000 χ^2/NDF: 135.1/115



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: 9330768.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

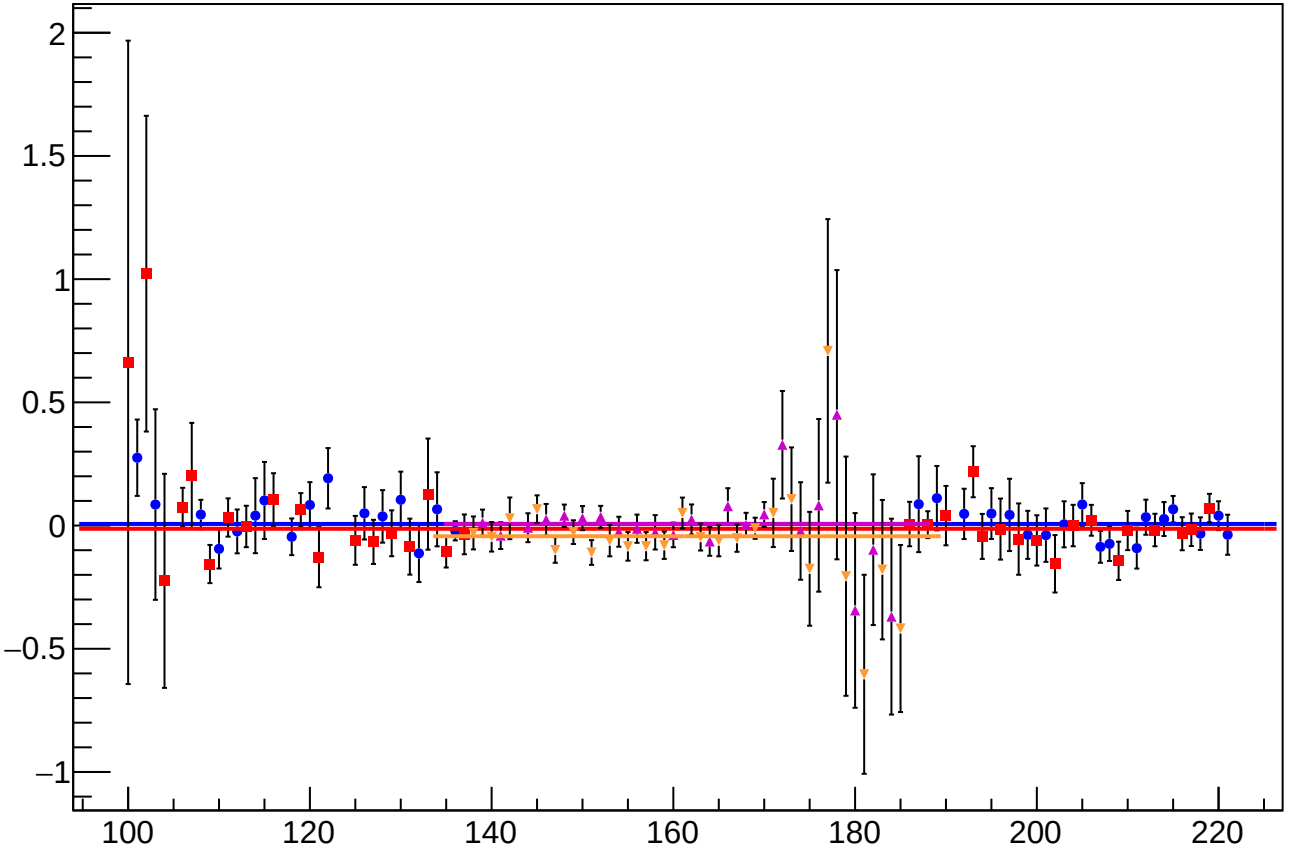
Right: 0.000+/-0.000 χ^2/NDF: 25122864.9/68

In: 0.000+/-0.000 χ^2/NDF:16631268.6/56

Out: 0.000+/-0.000 χ^2/NDF:15192152.5/58

All: 0.000+/-0.000 χ^2/NDF: 31839446.9/115

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: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

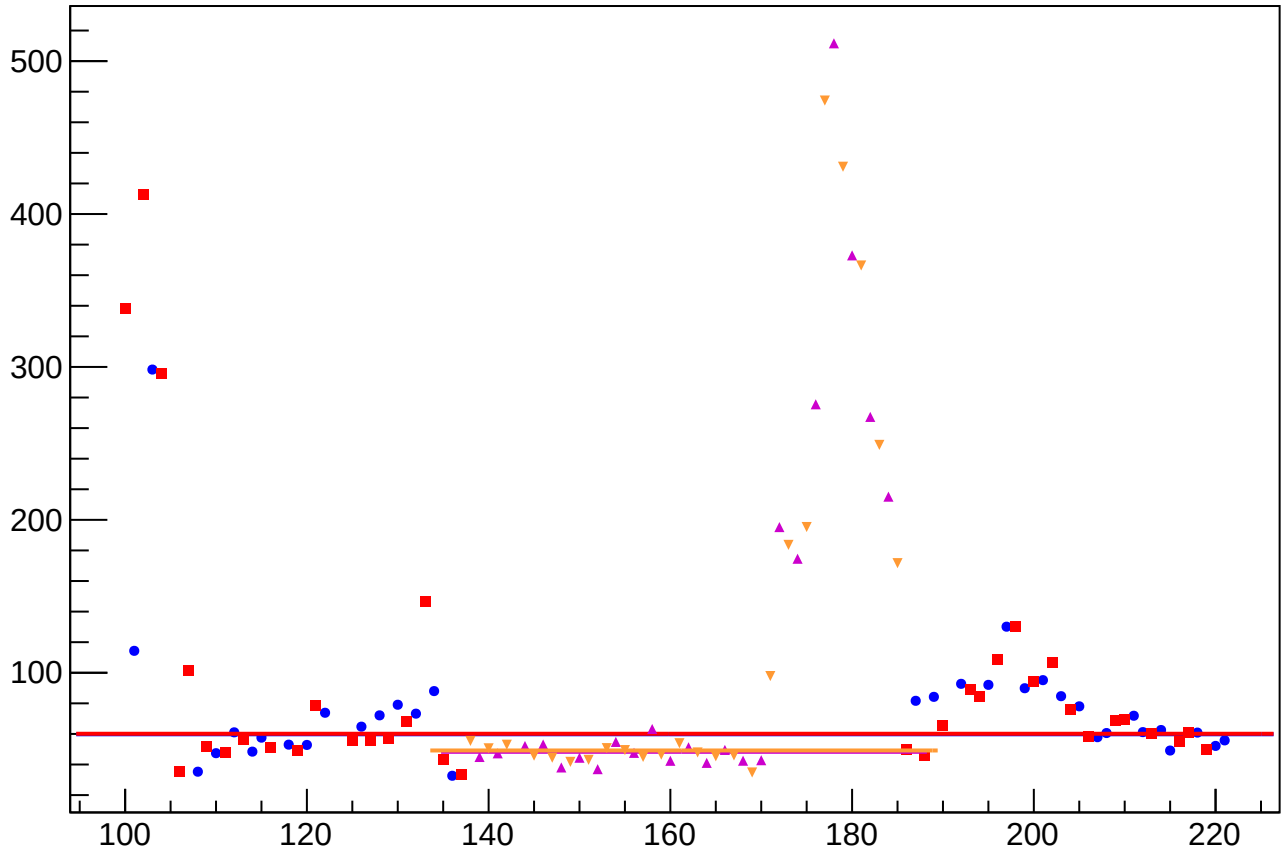
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.003+/-0.010 χ^2/NDF: 51.1/68

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.011+/-0.007 χ^2/NDF: 89.0/115



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: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

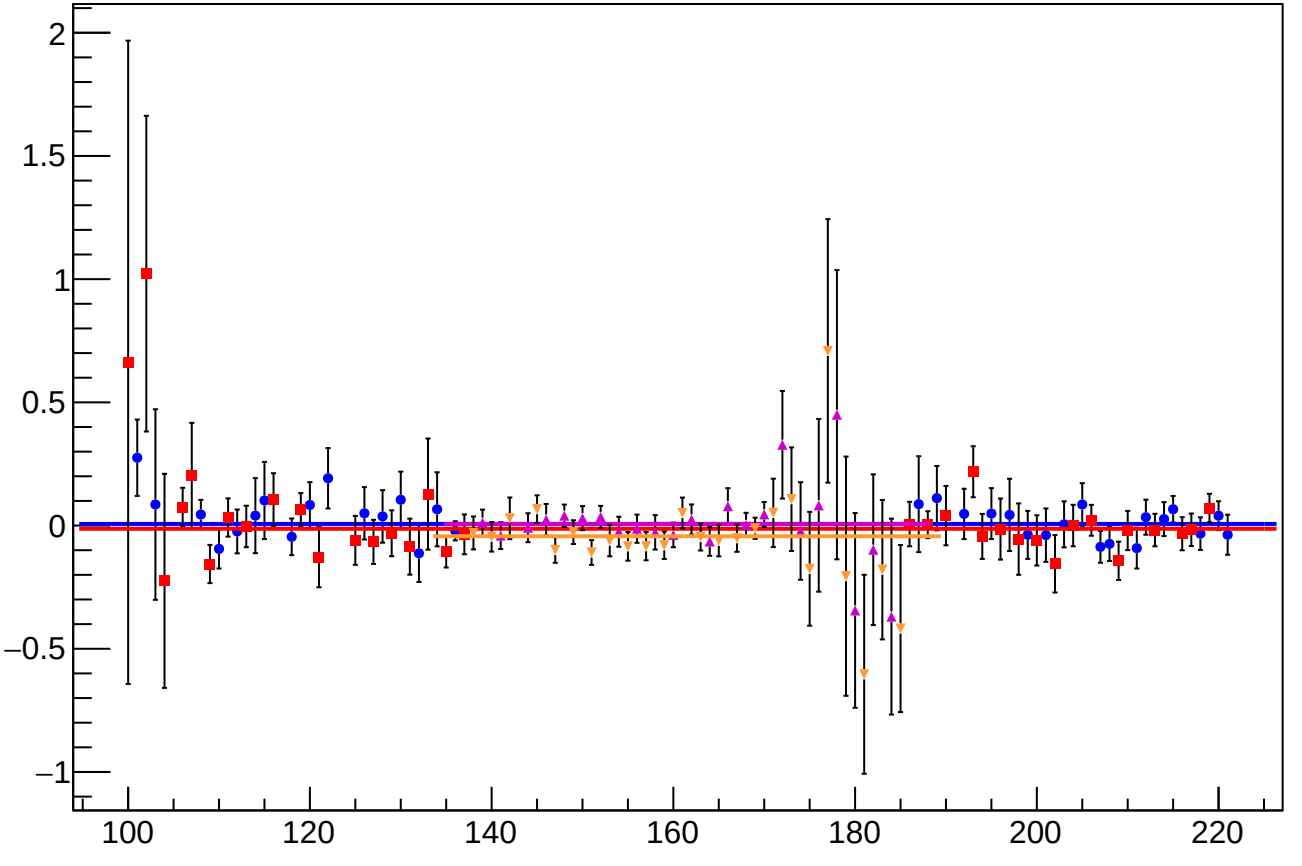
Right: 59.934+/-0.007 χ^2/NDF: 8777920.1/68

In: 53.703+/-0.007 χ^2/NDF:12094280.3/56

Out: 54.324+/-0.007 χ^2/NDF:12231824.8/58

All: 54.005+/-0.005 χ^2/NDF: 24329982.8/115

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: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

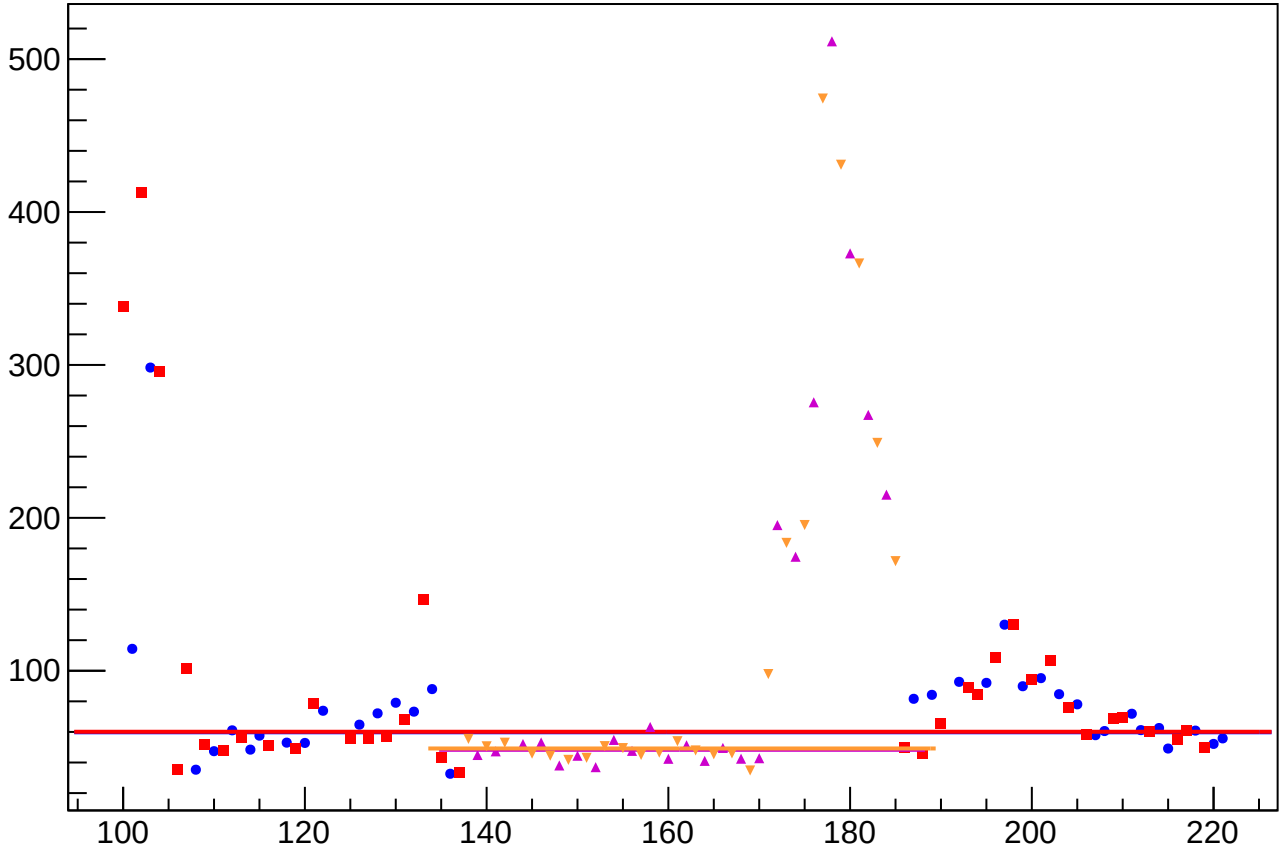
Right: -0.003+/-0.010 χ^2/NDF: 51.1/68

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.011+/-0.007 χ^2/NDF: 89.0/115

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: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

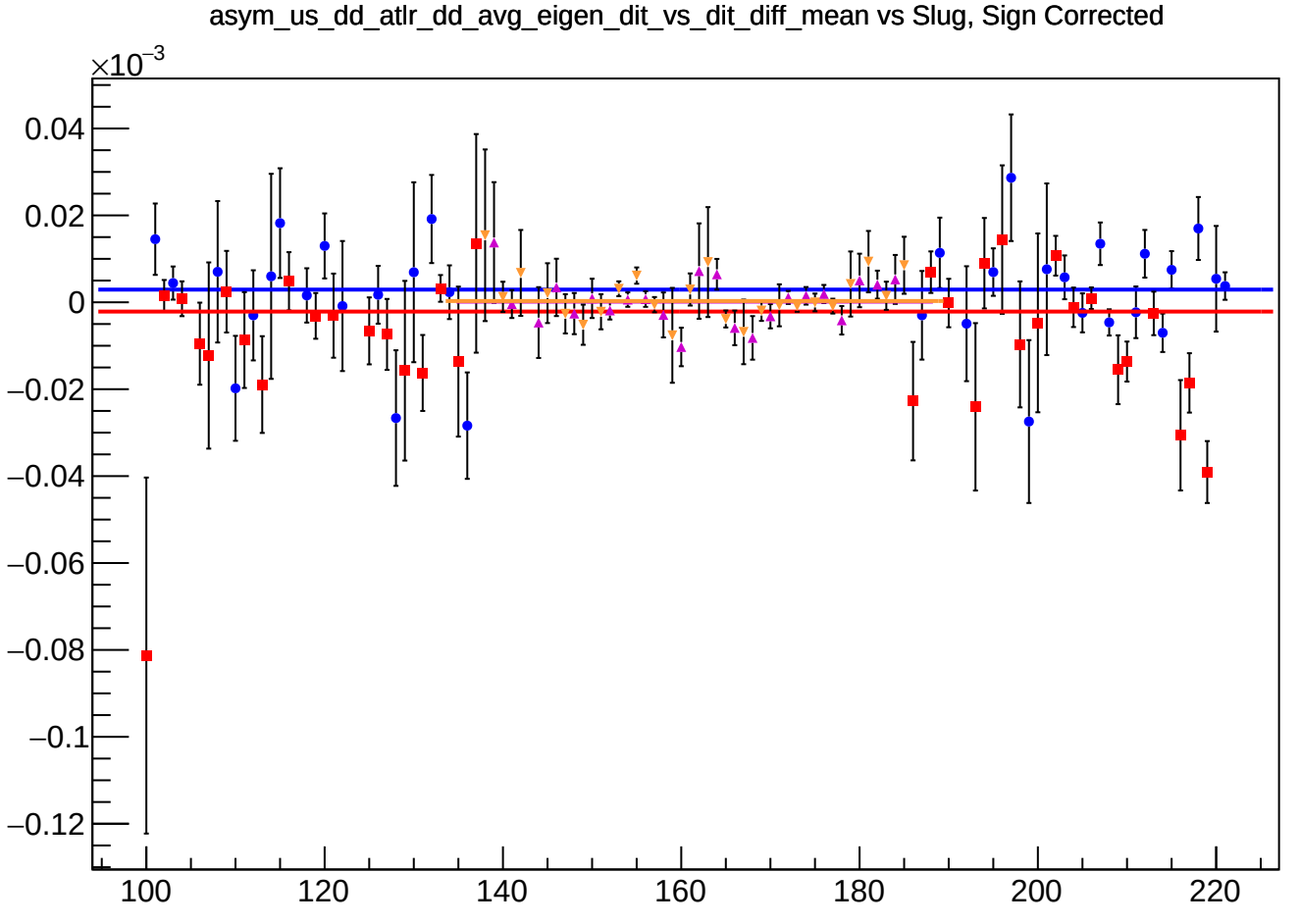
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 59.934+/-0.007 χ^2/NDF: 8777920.1/68

In: 53.703+/-0.007 χ^2/NDF:12094280.3/56

Out: 54.324+/-0.007 χ^2/NDF:12231824.8/58

All: 54.005+/-0.005 χ^2/NDF: 24329982.8/115



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: 83.7/34

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

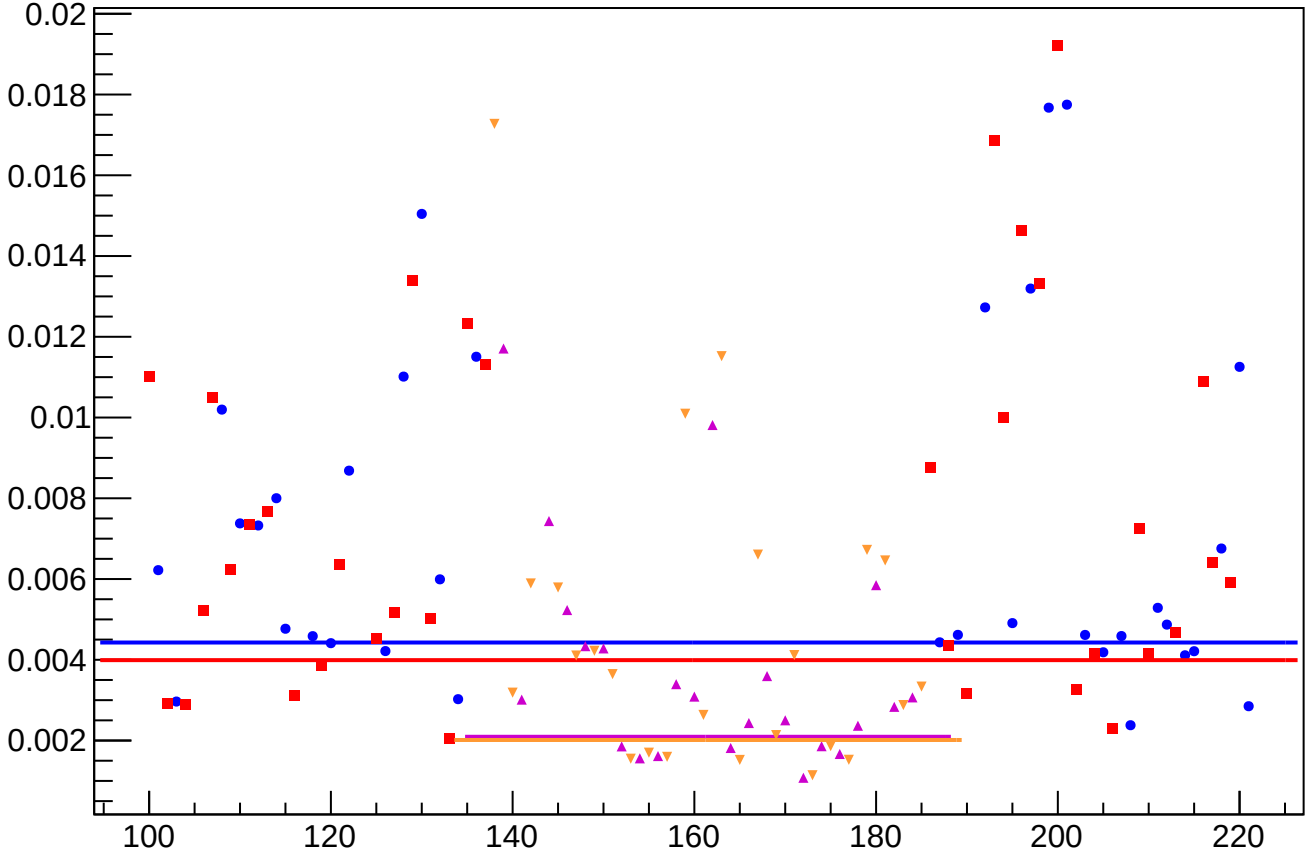
Right: 0.000+/-0.000 χ^2/NDF: 151.0/68

In: 0.000+/-0.000 χ^2/NDF:86.3/56

Out: -0.000+/-0.000 χ^2/NDF:116.7/58

All: 0.000+/-0.000 χ^2/NDF: 205.1/115

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 8604761.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 10105808.7/34

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

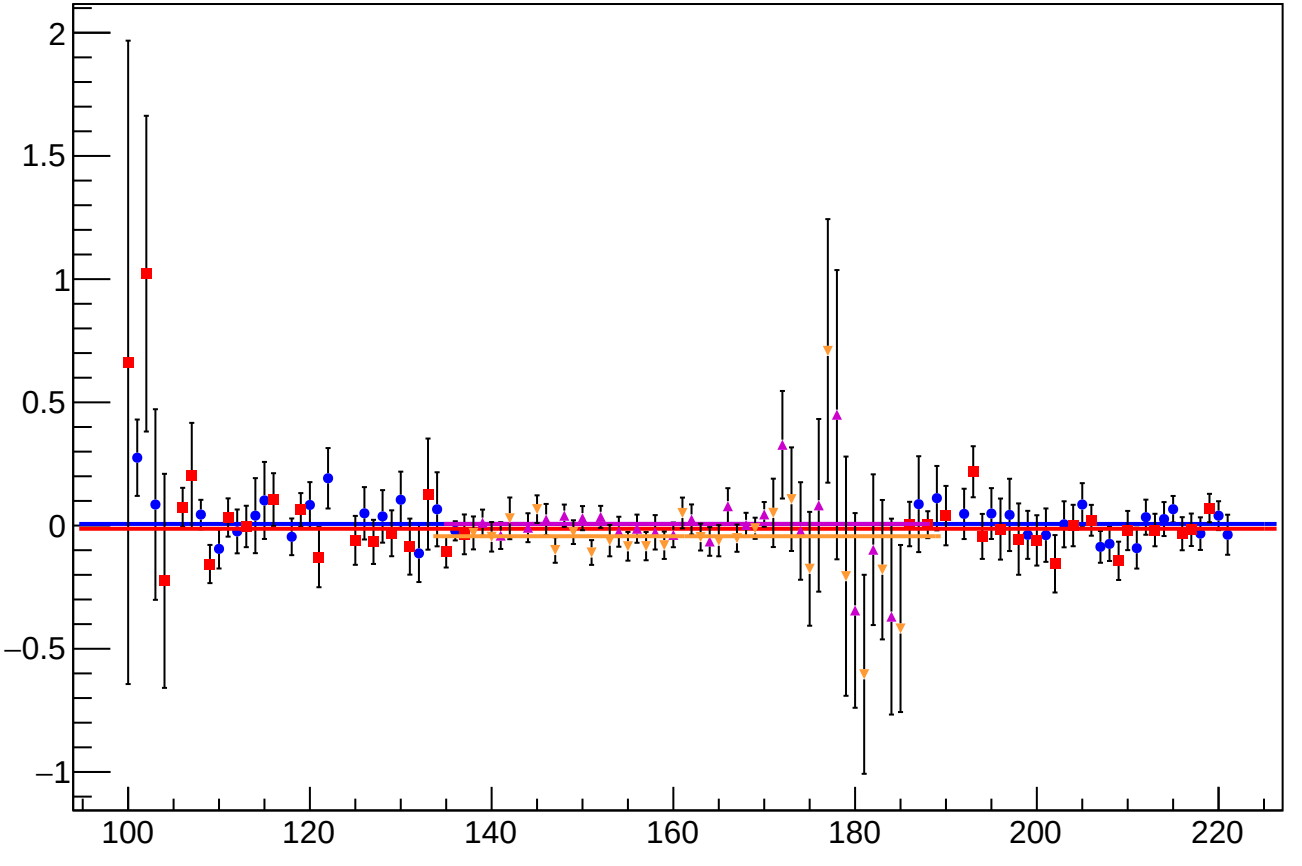
Right: 0.004+/-0.000 χ^2/NDF: 18877681.6/68

In: 0.003+/-0.000 χ^2/NDF:22726936.3/56

Out: 0.002+/-0.000 χ^2/NDF:25927323.6/58

All: 0.003+/-0.000 χ^2/NDF: 48778092.5/115

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: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

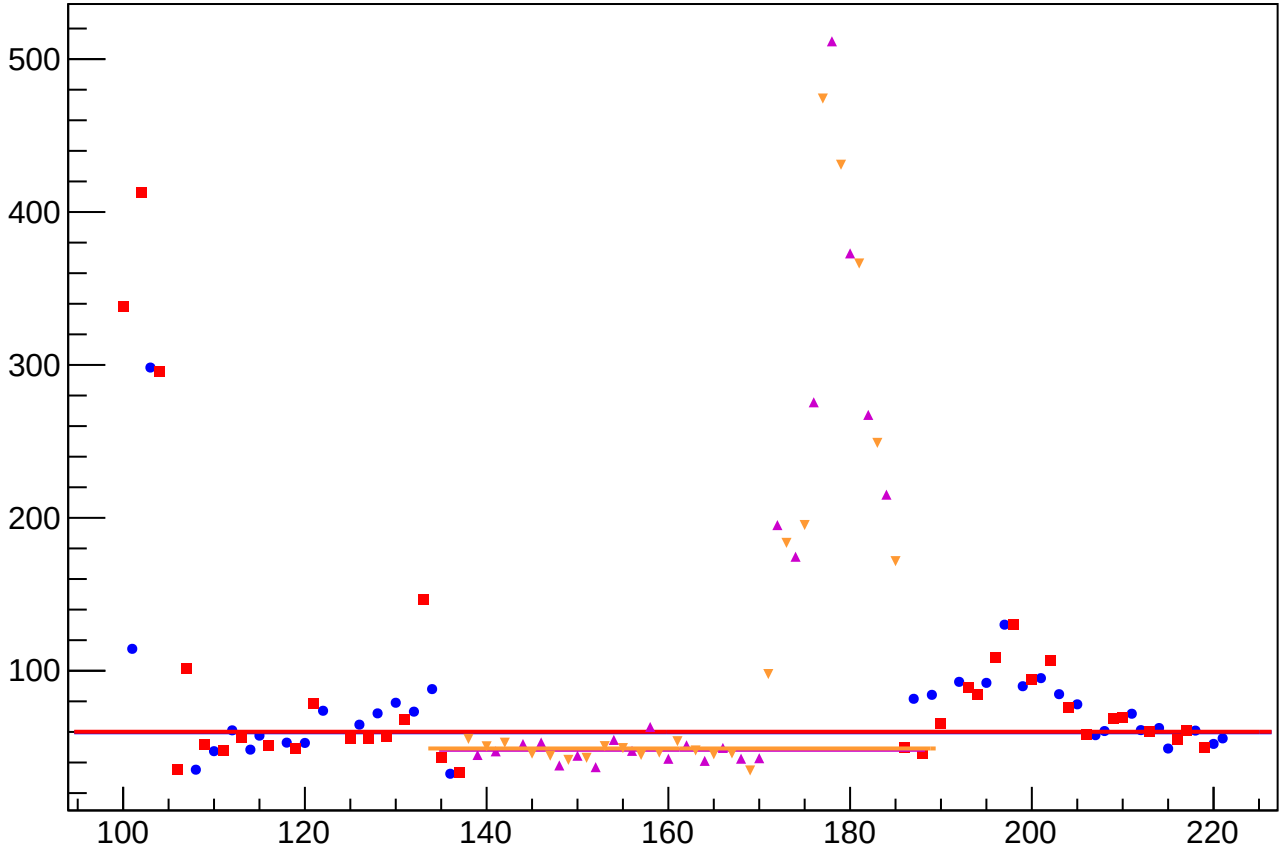
Right: -0.003+/-0.010 χ^2/NDF: 51.1/68

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.011+/-0.007 χ^2/NDF: 89.0/115

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: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

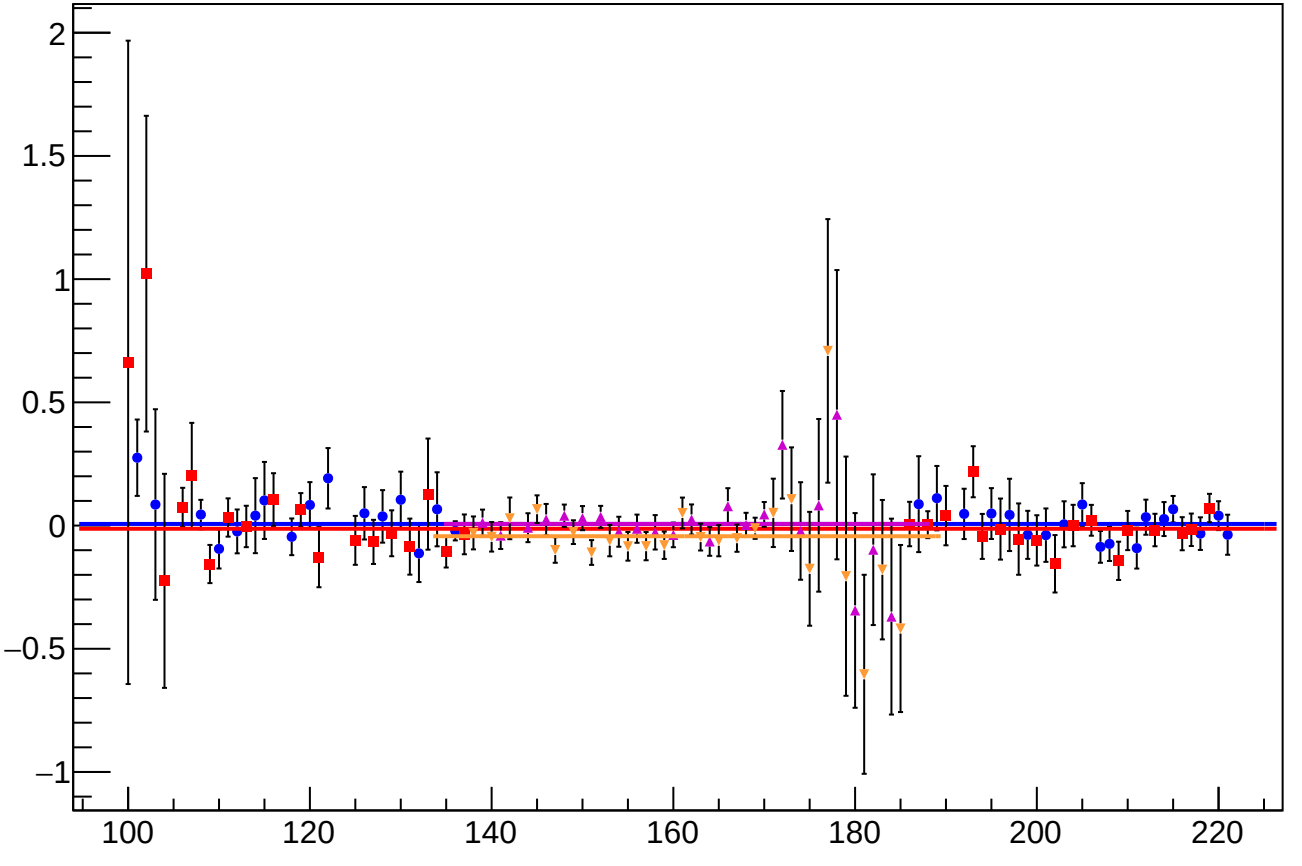
Right: 59.934+/-0.007 χ^2/NDF: 8777590.3/68

In: 53.703+/-0.007 χ^2/NDF:12094021.8/56

Out: 54.324+/-0.007 χ^2/NDF:12231782.4/58

All: 54.005+/-0.005 χ^2/NDF: 24329679.6/115

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: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

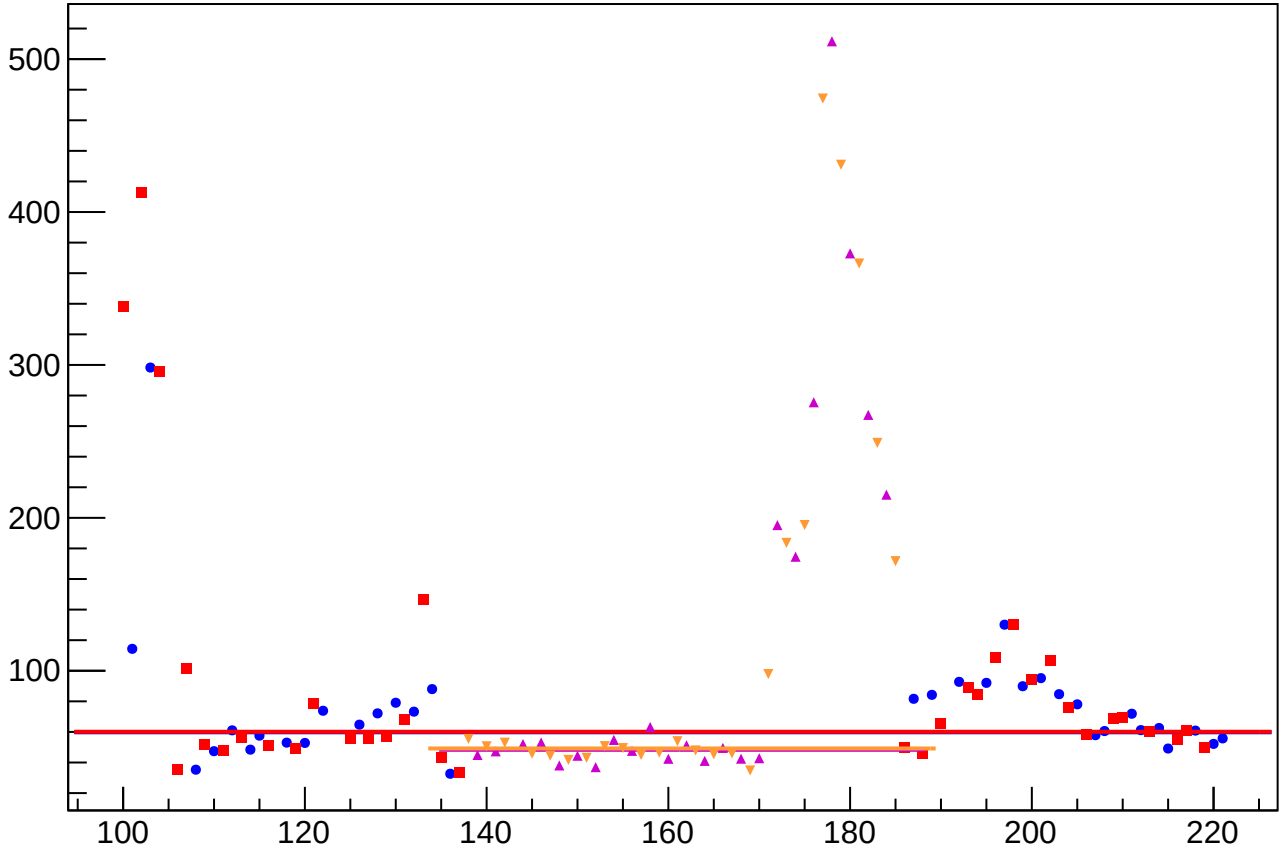
Right: -0.003+/-0.010 χ^2/NDF: 51.1/68

In: 0.007+/-0.010 χ^2/NDF:32.8/56

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.011+/-0.007 χ^2/NDF: 89.0/115

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_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: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

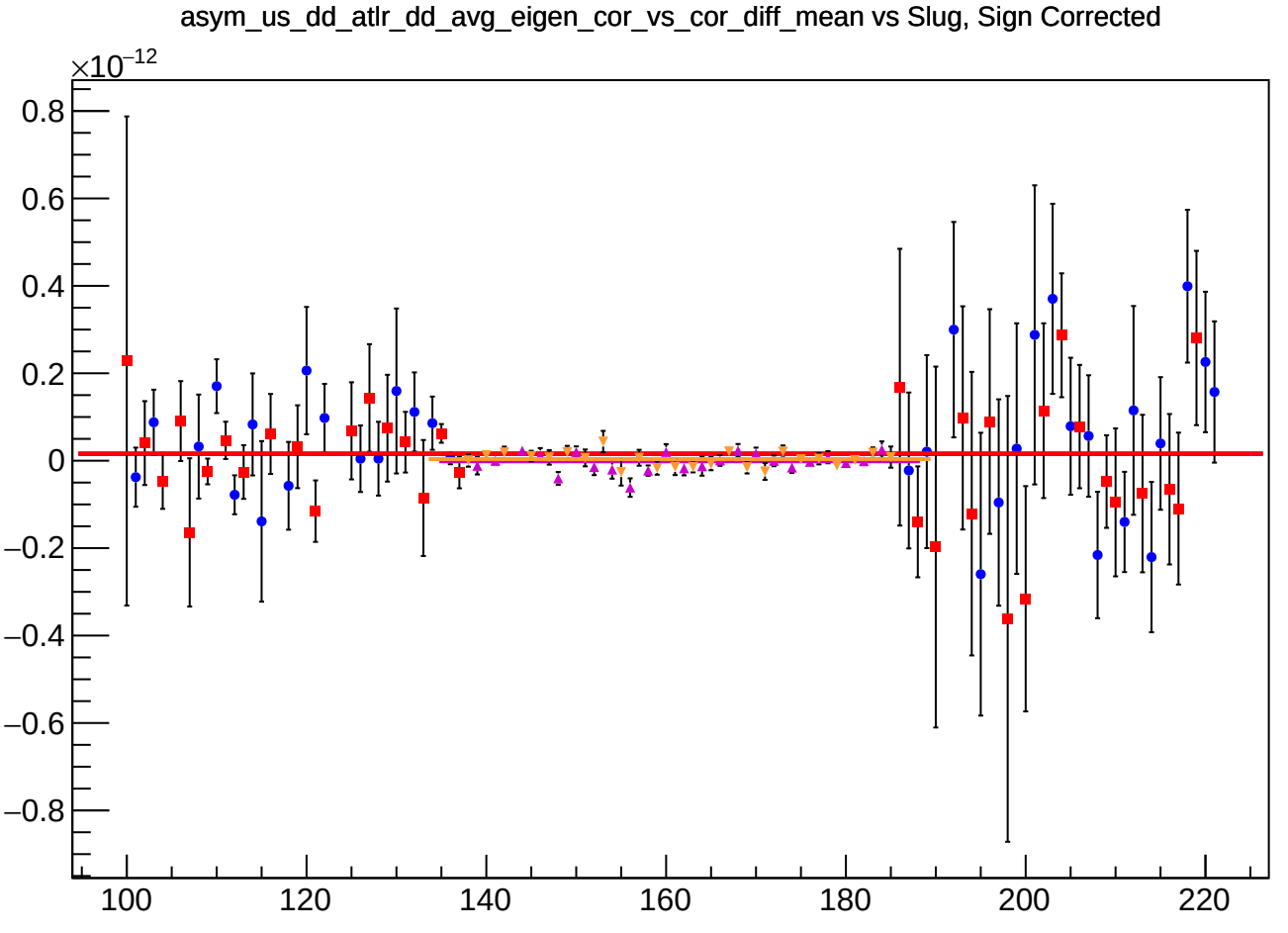
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 59.934+/-0.007 χ^2/NDF: 8777590.3/68

In: 53.703+/-0.007 χ^2/NDF:12094021.8/56

Out: 54.324+/-0.007 χ^2/NDF:12231782.4/58

All: 54.005+/-0.005 χ^2/NDF: 24329679.6/115



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: 30.3/34

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

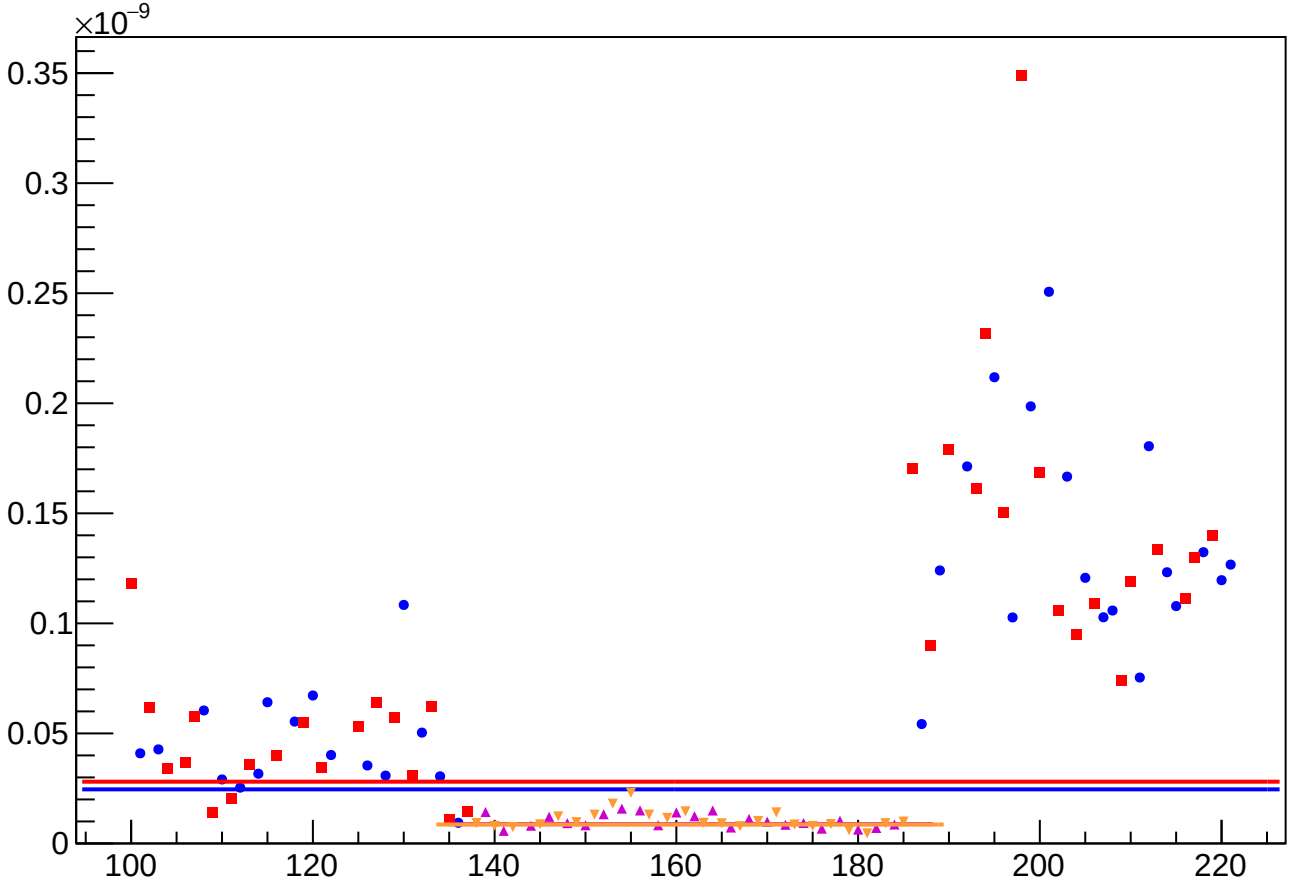
Right: 0.000+/-0.000 χ^2/NDF: 70.3/68

In: -0.000+/-0.000 χ^2/NDF:82.3/56

Out: 0.000+/-0.000 χ^2/NDF:56.0/58

All: 0.000+/-0.000 χ^2/NDF: 139.8/115

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 12384185.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

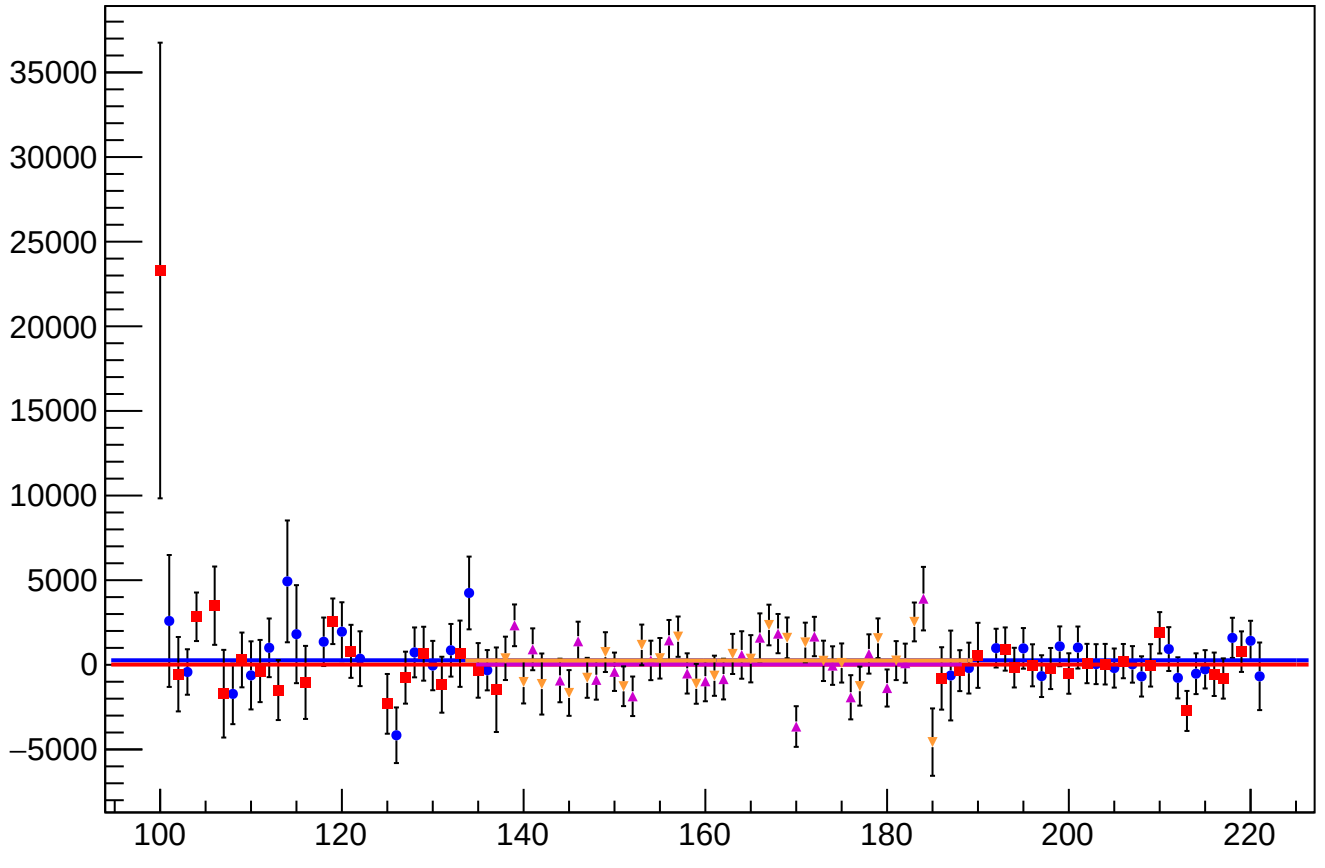
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 27879056.8/68

In: 0.000+/-0.000 χ^2/NDF:21300387.2/56

Out: 0.000+/-0.000 χ^2/NDF:19849199.5/58

All: 0.000+/-0.000 χ^2/NDF: 41153495.7/115



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: 14.301+/-245.608 χ^2/NDF: 27.7/34

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

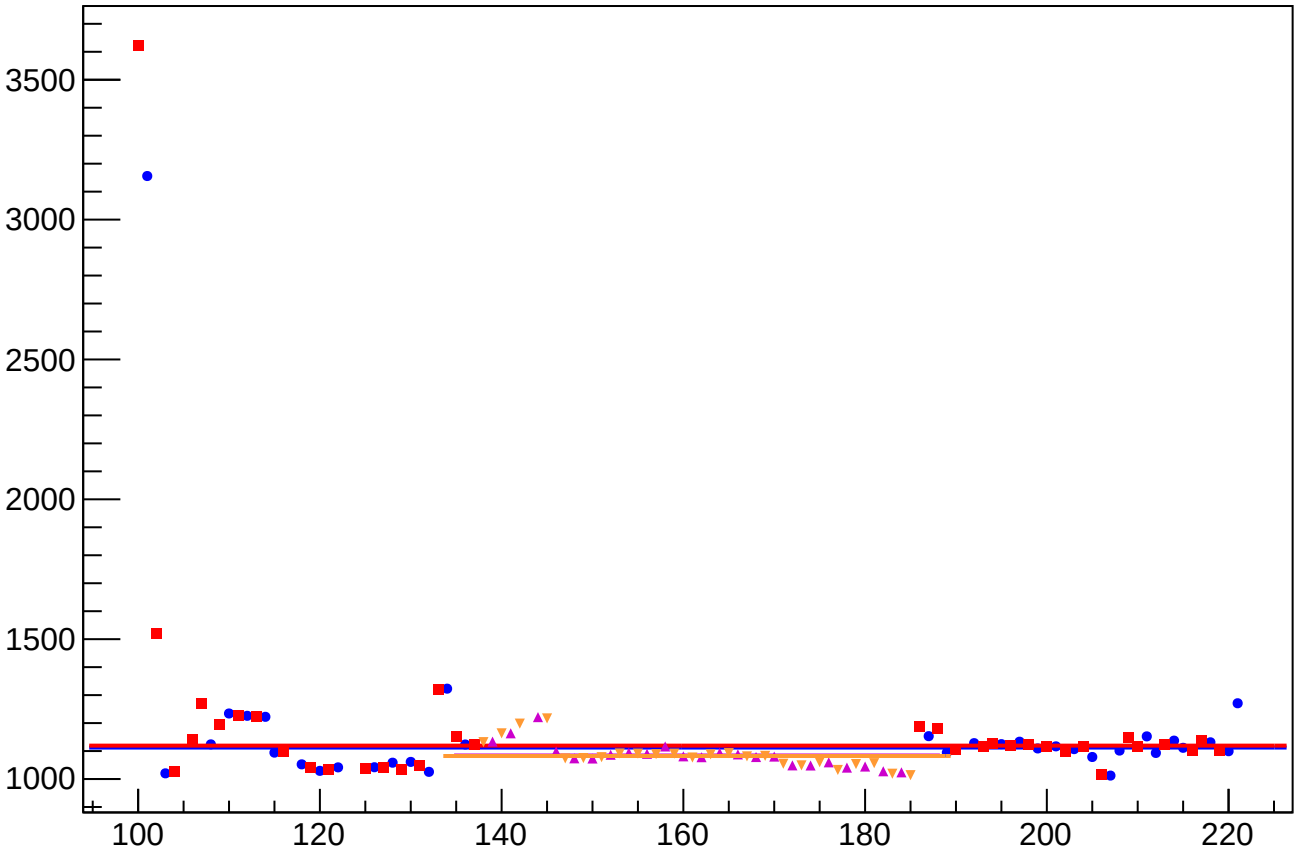
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 142.805+/-172.410 χ^2/NDF: 52.5/68

In: 150.575+/-175.019 χ^2/NDF:60.6/56

Out: 134.604+/-175.683 χ^2/NDF:56.4/58

All: 142.620+/-123.991 χ^2/NDF: 117.0/115



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: 1119.411+/-0.174 χ^2/NDF: 253824.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

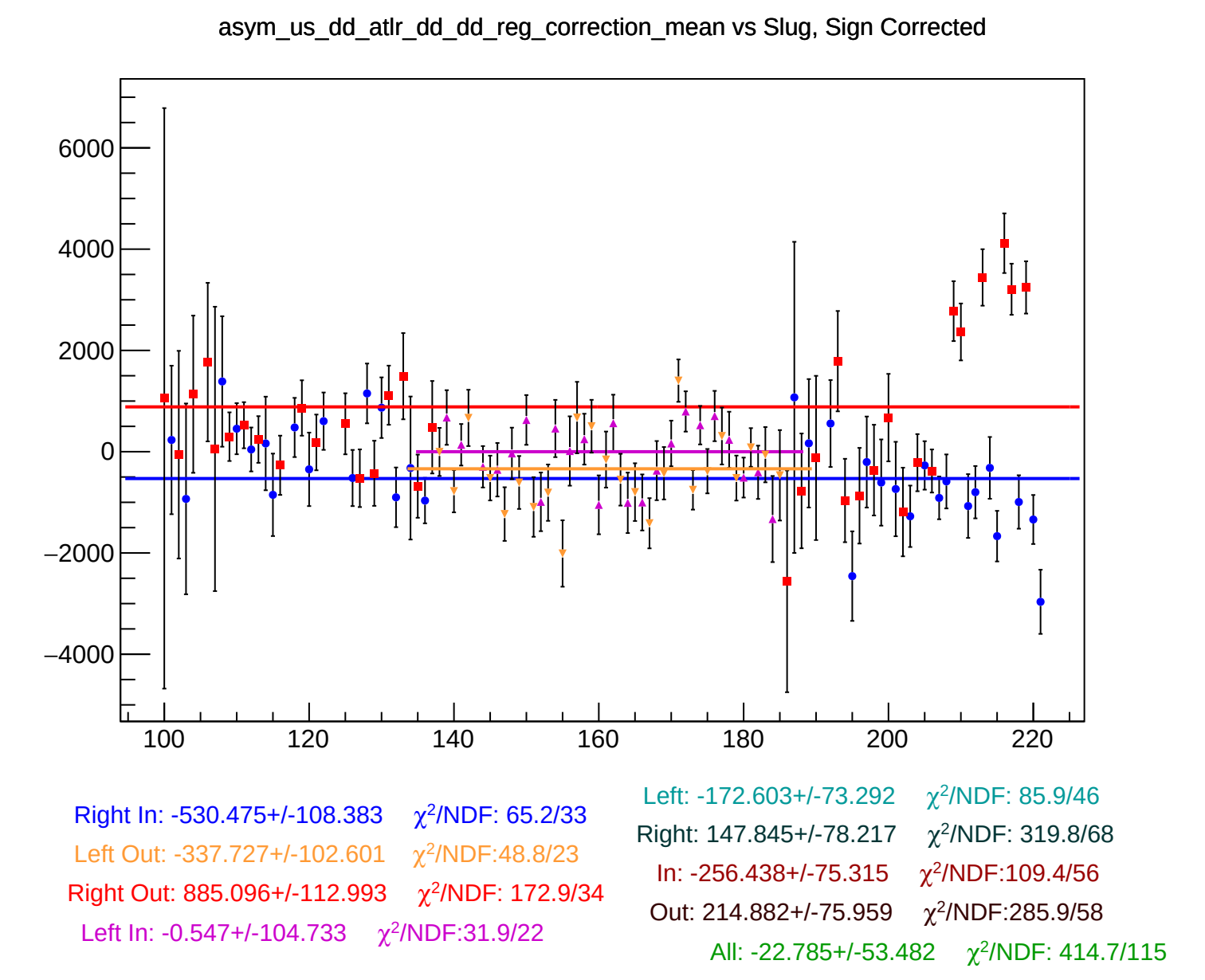
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

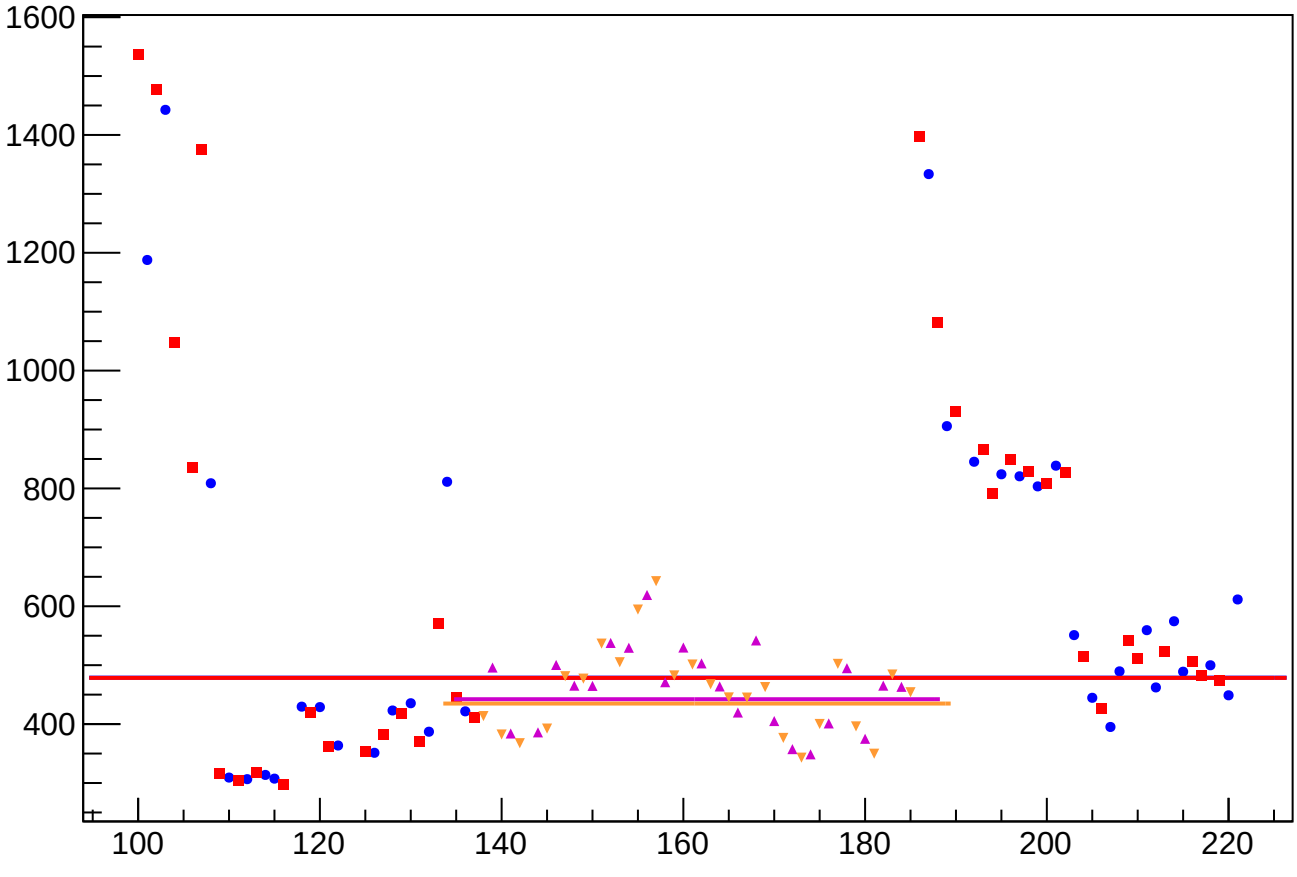
Right: 1115.928+/-0.122 χ^2/NDF: 915833.3/68

In: 1099.000+/-0.124 χ^2/NDF:727773.3/56

Out: 1101.292+/-0.124 χ^2/NDF:333987.3/58

All: 1100.141+/-0.088 χ^2/NDF: 1061931.5/11


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -530.475+/-108.383 χ²/NDF: 65.2/33
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: 885.096+/-112.993 χ²/NDF: 172.9/34
Left In: -0.547+/-104.733 χ²/NDF:31.9/22
Left: -172.603+/-73.292 χ²/NDF: 85.9/46
Right: 147.845+/-78.217 χ²/NDF: 319.8/68
In: -256.438+/-75.315 χ²/NDF:109.4/56
Out: 214.882+/-75.959 χ²/NDF:285.9/58
All: -22.785+/-53.482 χ²/NDF: 414.7/115



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: 478.418+/-0.080 χ^2/NDF: 5432789.0/34

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

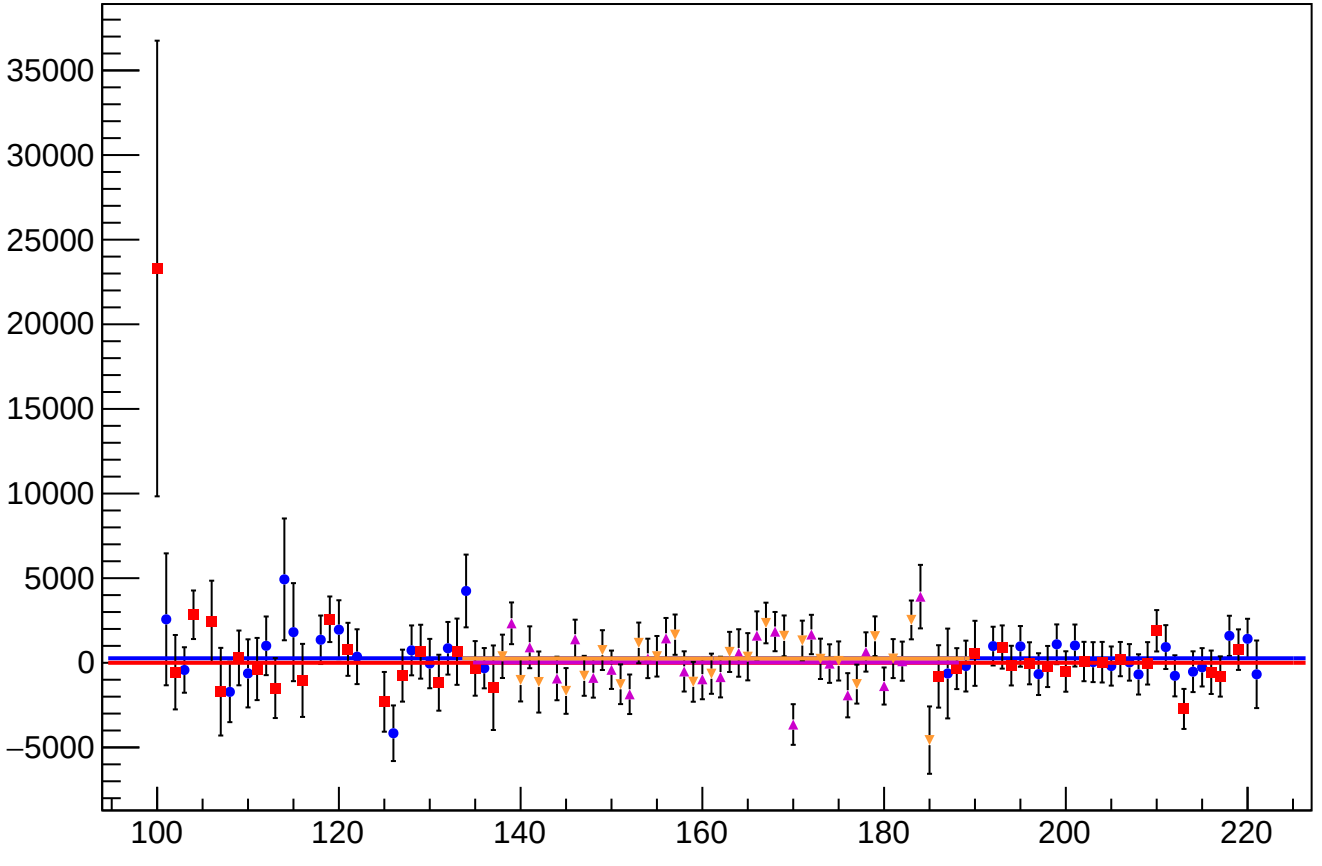
Right: 478.637+/-0.055 χ^2/NDF: 9911351.2/68

In: 459.896+/-0.053 χ^2/NDF:5422654.7/56

Out: 454.544+/-0.054 χ^2/NDF:6474115.0/58

All: 457.243+/-0.038 χ^2/NDF: 11901778.3/11

cor_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



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: 0.308+/-245.714 χ^2/NDF: 26.4/34

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

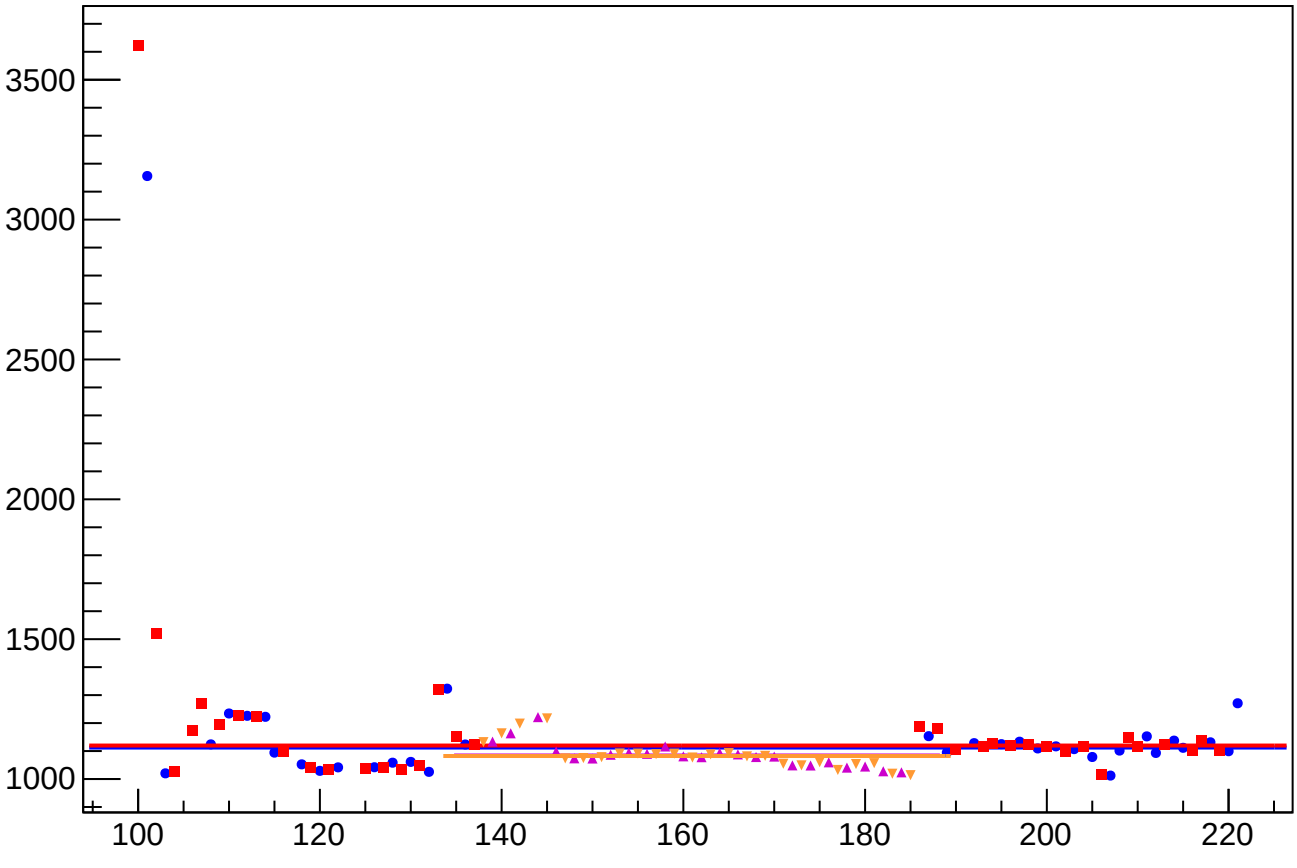
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 135.908+/-172.447 χ^2/NDF: 51.3/68

In: 150.509+/-175.019 χ^2/NDF:60.5/56

Out: 127.496+/-175.722 χ^2/NDF:55.2/58

All: 139.049+/-124.005 χ^2/NDF: 115.8/115



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: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

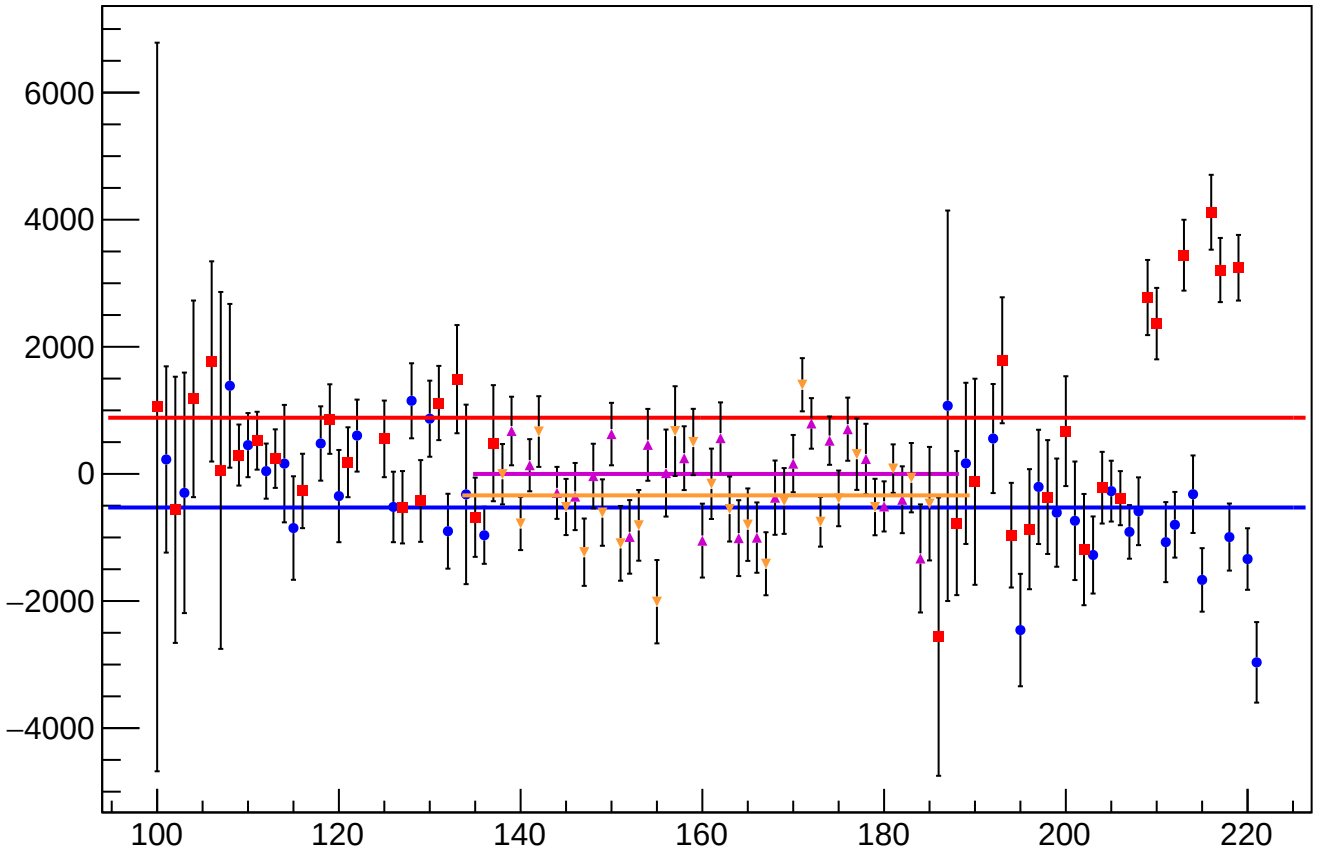
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1116.078+/-0.122 χ^2/NDF: 916683.6/68

In: 1099.000+/-0.124 χ^2/NDF:727774.2/56

Out: 1101.441+/-0.124 χ^2/NDF:335126.2/58

All: 1100.216+/-0.088 χ^2/NDF: 1063094.4/11



Right In: -528.482+/-108.383 χ^2/NDF: 65.1/33

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 883.983+/-113.002 χ^2/NDF: 173.2/34

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

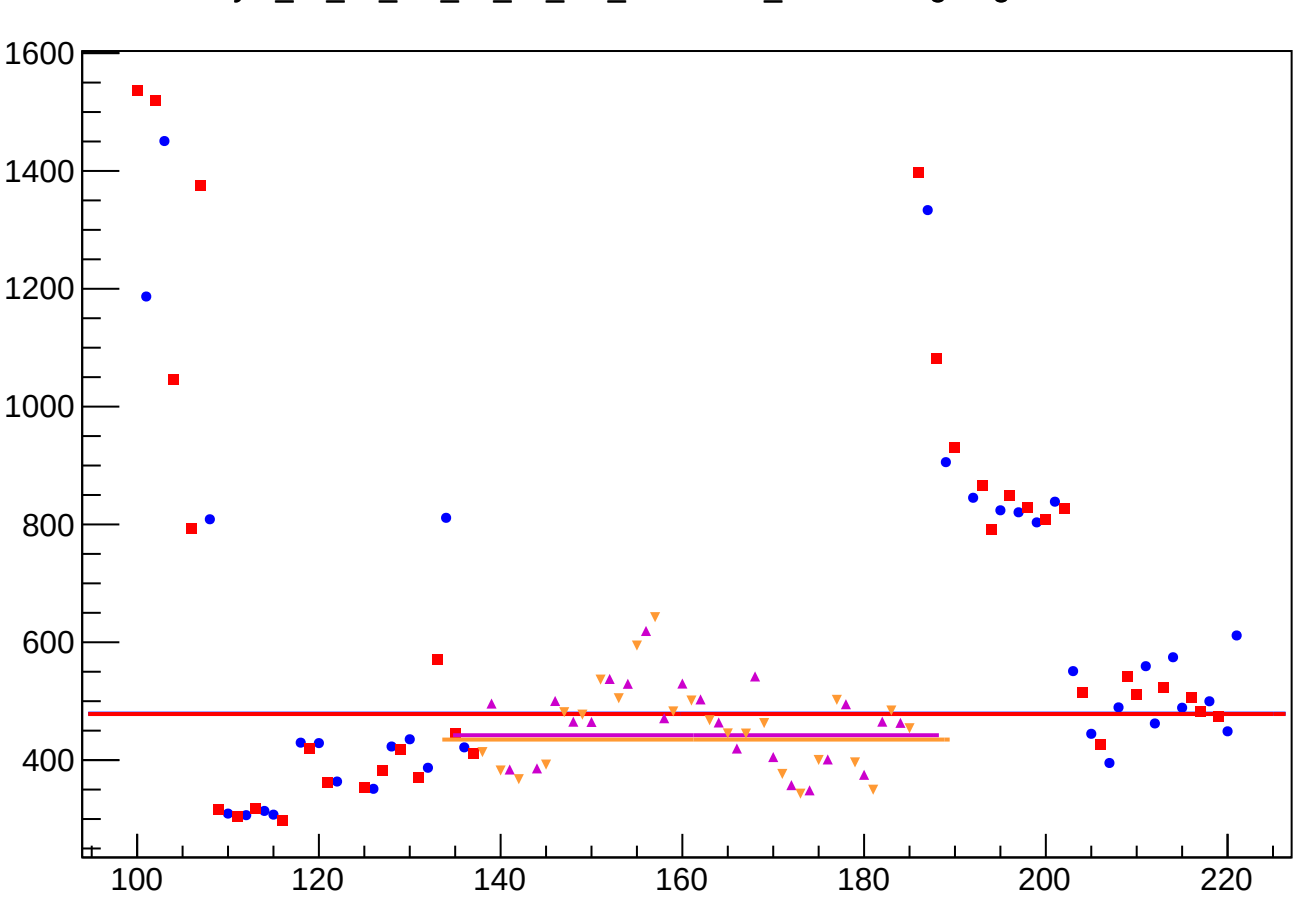
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 148.297+/-78.220 χ^2/NDF: 319.7/68

In: -255.485+/-75.315 χ^2/NDF:109.3/56

Out: 214.279+/-75.961 χ^2/NDF:286.1/58

All: -22.610+/-53.483 χ^2/NDF: 414.6/115



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: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

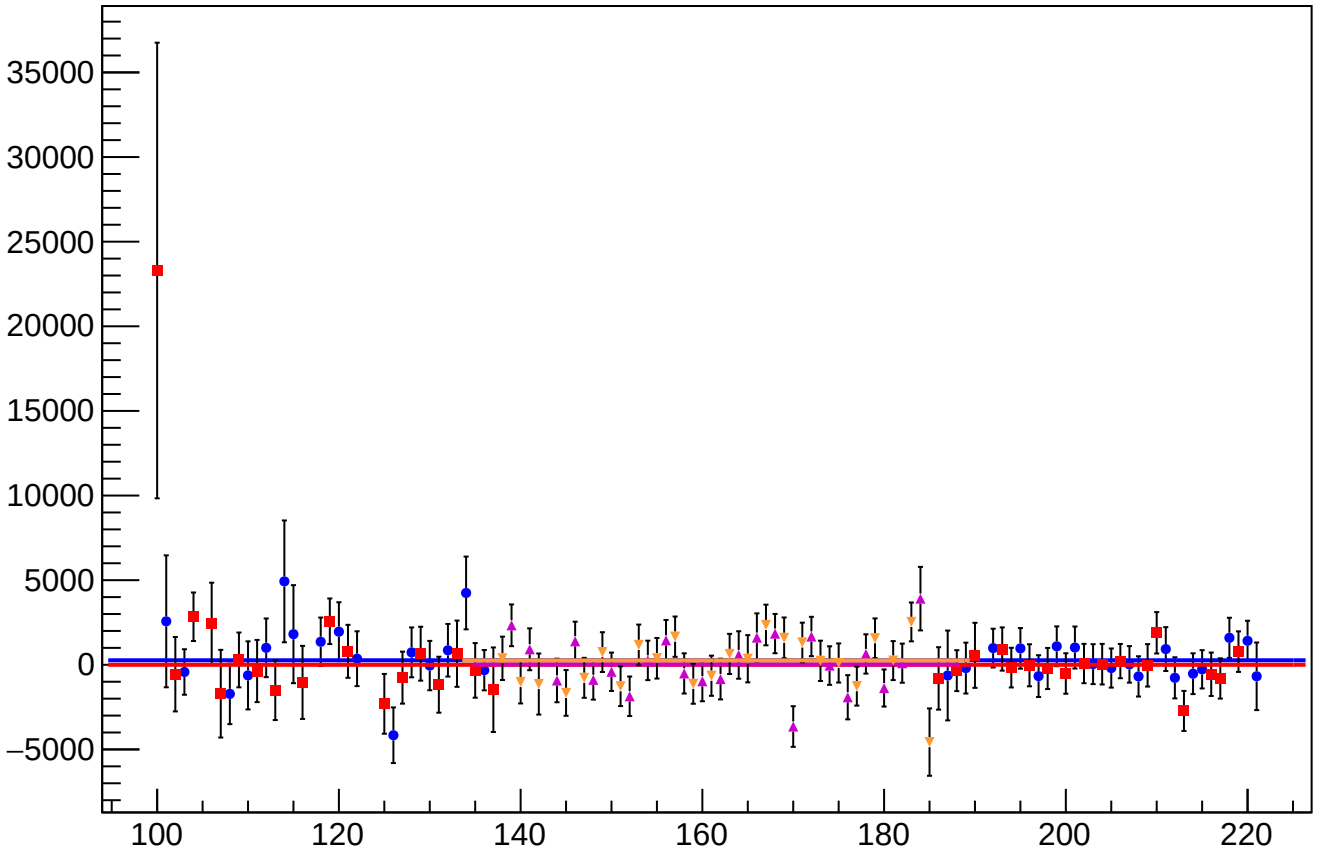
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 478.526+/-0.055 χ^2/NDF: 9910100.6/68

In: 459.895+/-0.053 χ^2/NDF:5426327.9/56

Out: 454.437+/-0.054 χ^2/NDF:6467409.2/58

All: 457.190+/-0.038 χ^2/NDF: 11898944.7/11



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: 0.308+/-245.714 χ^2/NDF: 26.4/34

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

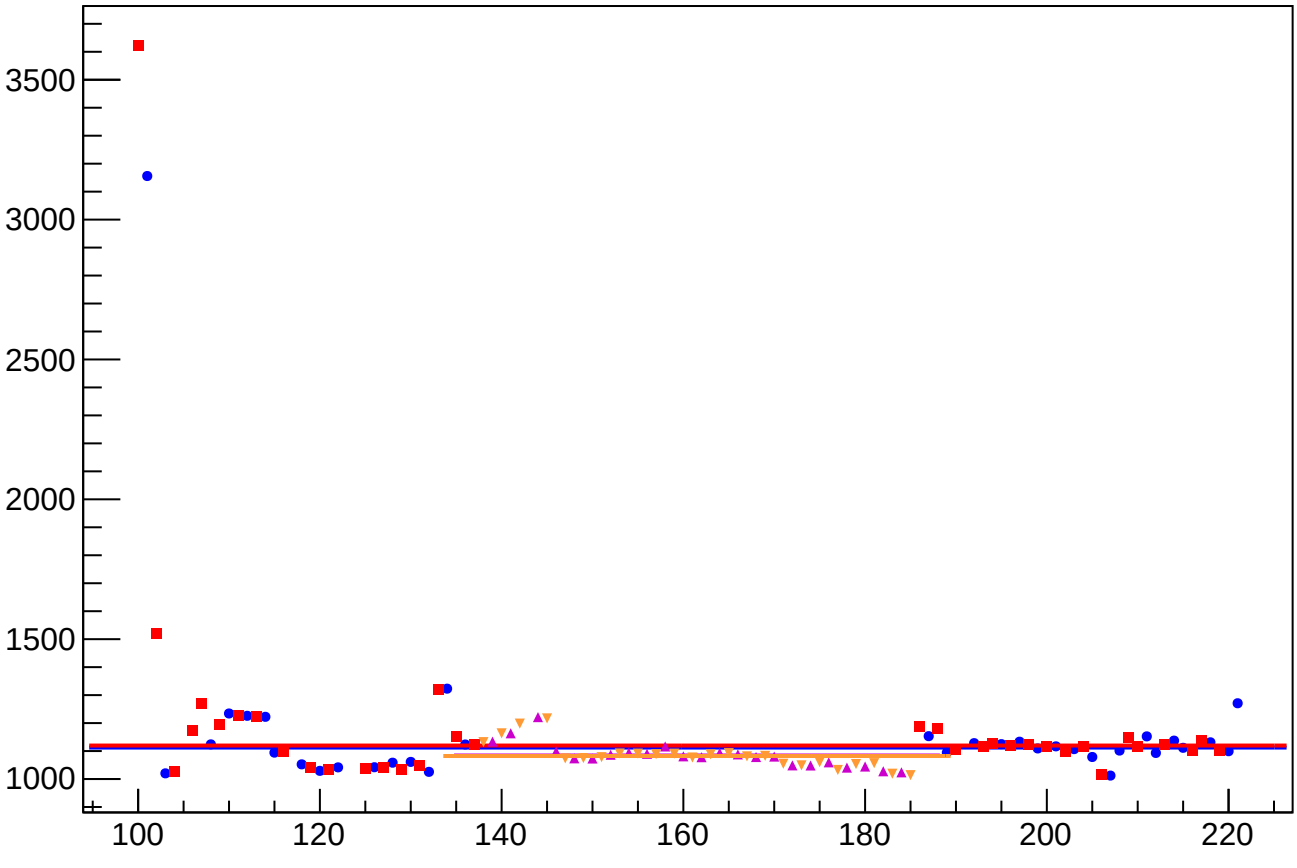
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 135.908+/-172.447 χ^2/NDF: 51.3/68

In: 150.509+/-175.019 χ^2/NDF:60.5/56

Out: 127.496+/-175.722 χ^2/NDF:55.2/58

All: 139.049+/-124.005 χ^2/NDF: 115.8/115



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: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

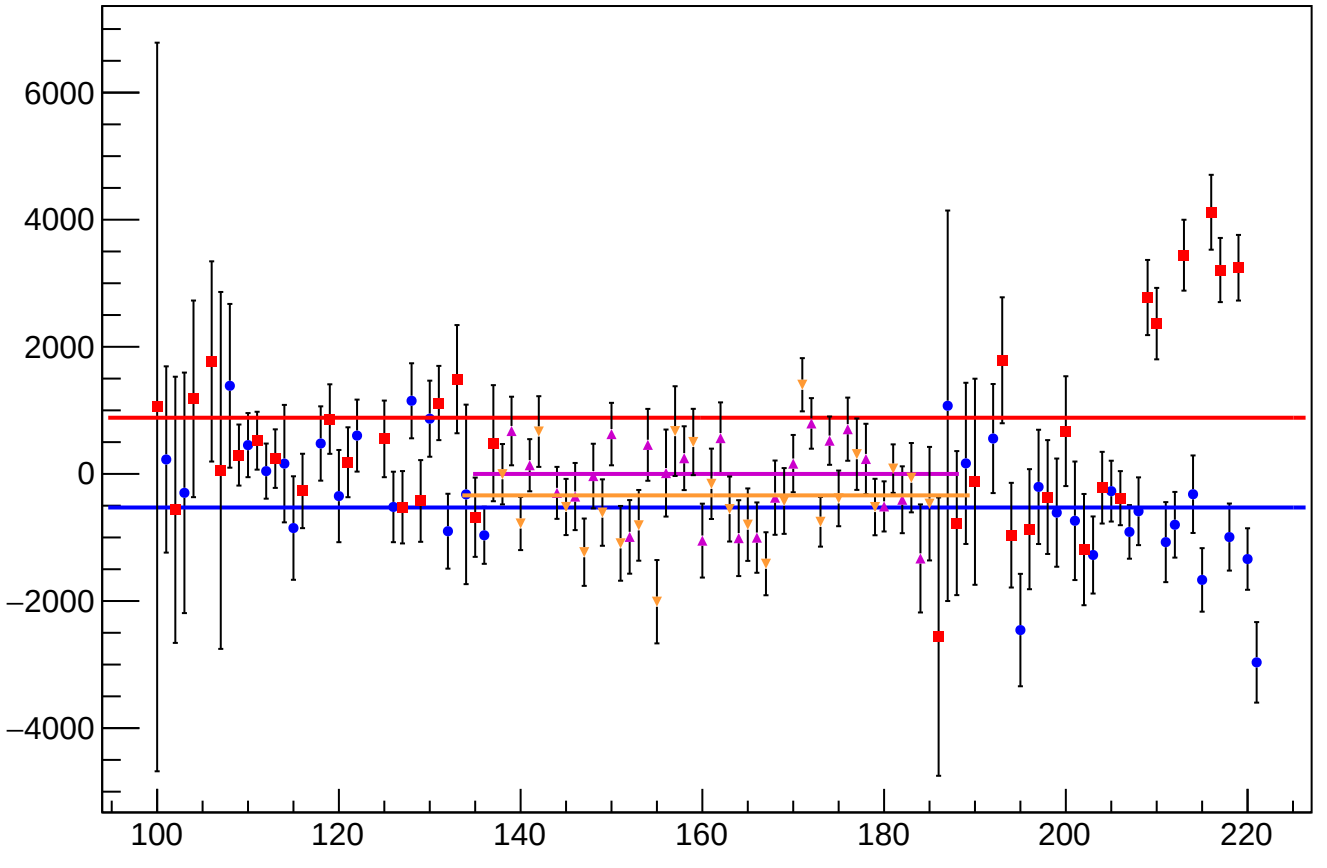
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1116.078+/-0.122 χ^2/NDF: 916683.6/68

In: 1099.000+/-0.124 χ^2/NDF:727774.2/56

Out: 1101.441+/-0.124 χ^2/NDF:335126.2/58

All: 1100.216+/-0.088 χ^2/NDF: 1063094.4/11



Right In: -528.482+/-108.383 χ^2/NDF: 65.1/33

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 883.983+/-113.002 χ^2/NDF: 173.2/34

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

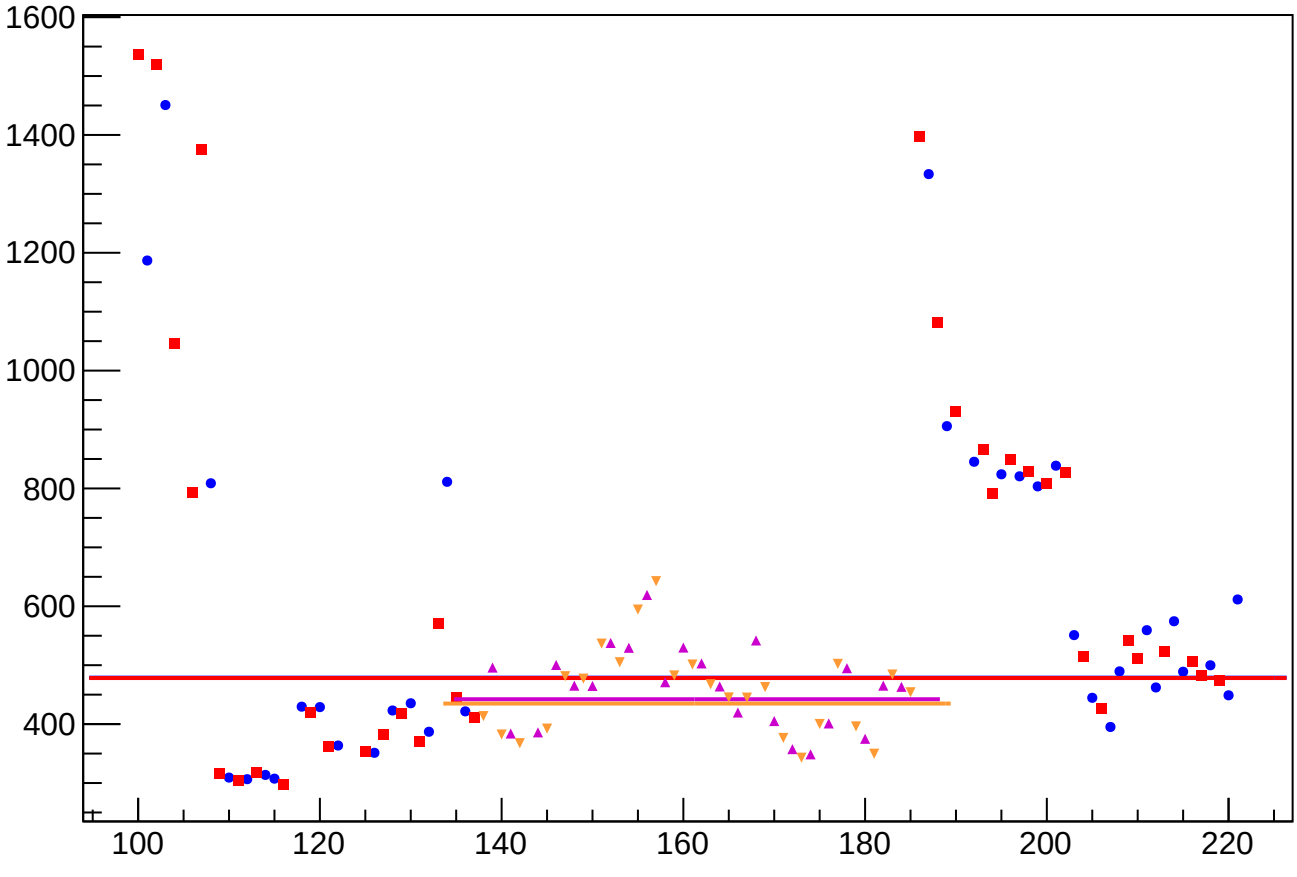
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 148.297+/-78.220 χ^2/NDF: 319.7/68

In: -255.485+/-75.315 χ^2/NDF:109.3/56

Out: 214.279+/-75.961 χ^2/NDF:286.1/58

All: -22.610+/-53.483 χ^2/NDF: 414.6/115



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: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

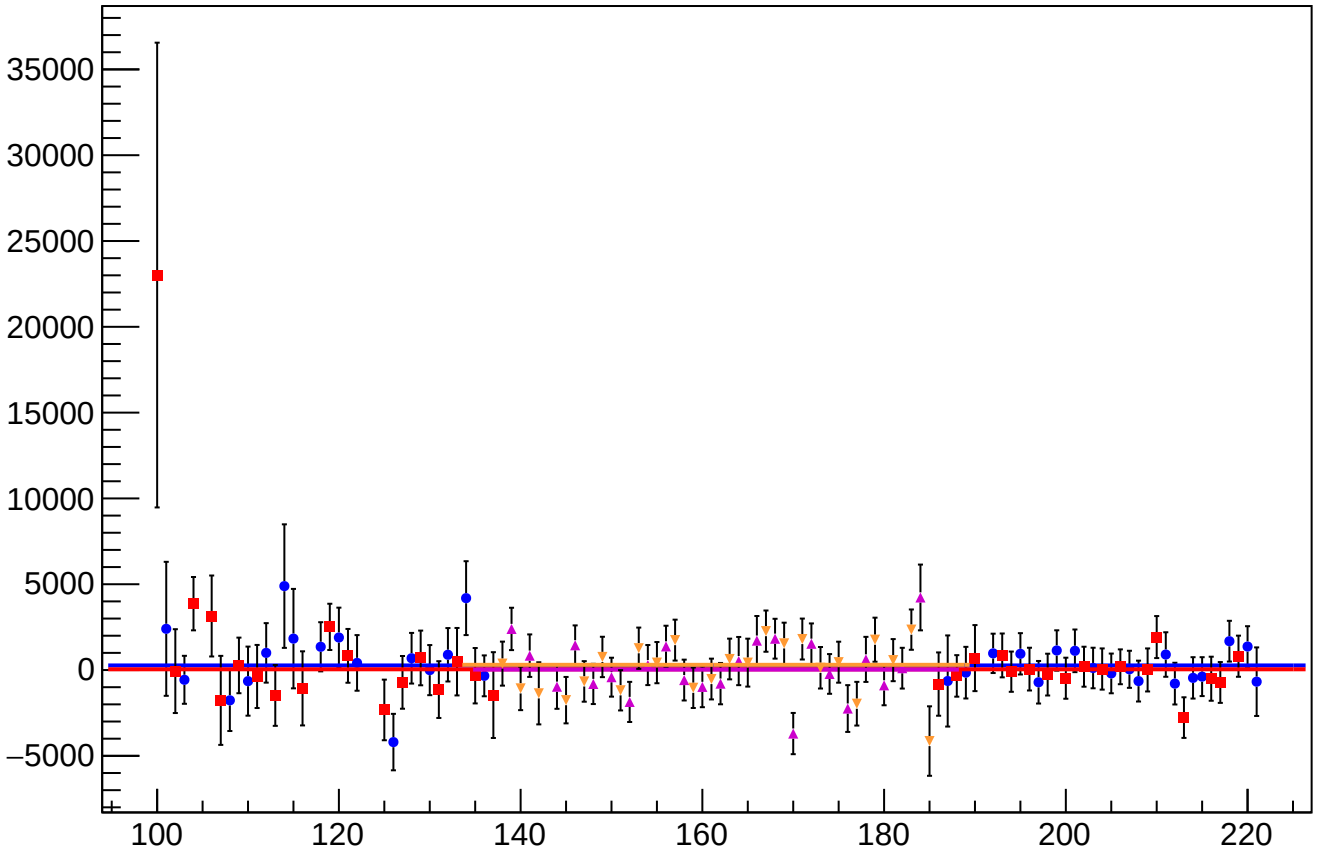
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 478.526+/-0.055 χ^2/NDF: 9910100.6/68

In: 459.895+/-0.053 χ^2/NDF:5426327.9/56

Out: 454.437+/-0.054 χ^2/NDF:6467409.2/58

All: 457.190+/-0.038 χ^2/NDF: 11898944.7/11



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: 43.543+/-246.760 χ^2/NDF: 29.2/34

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

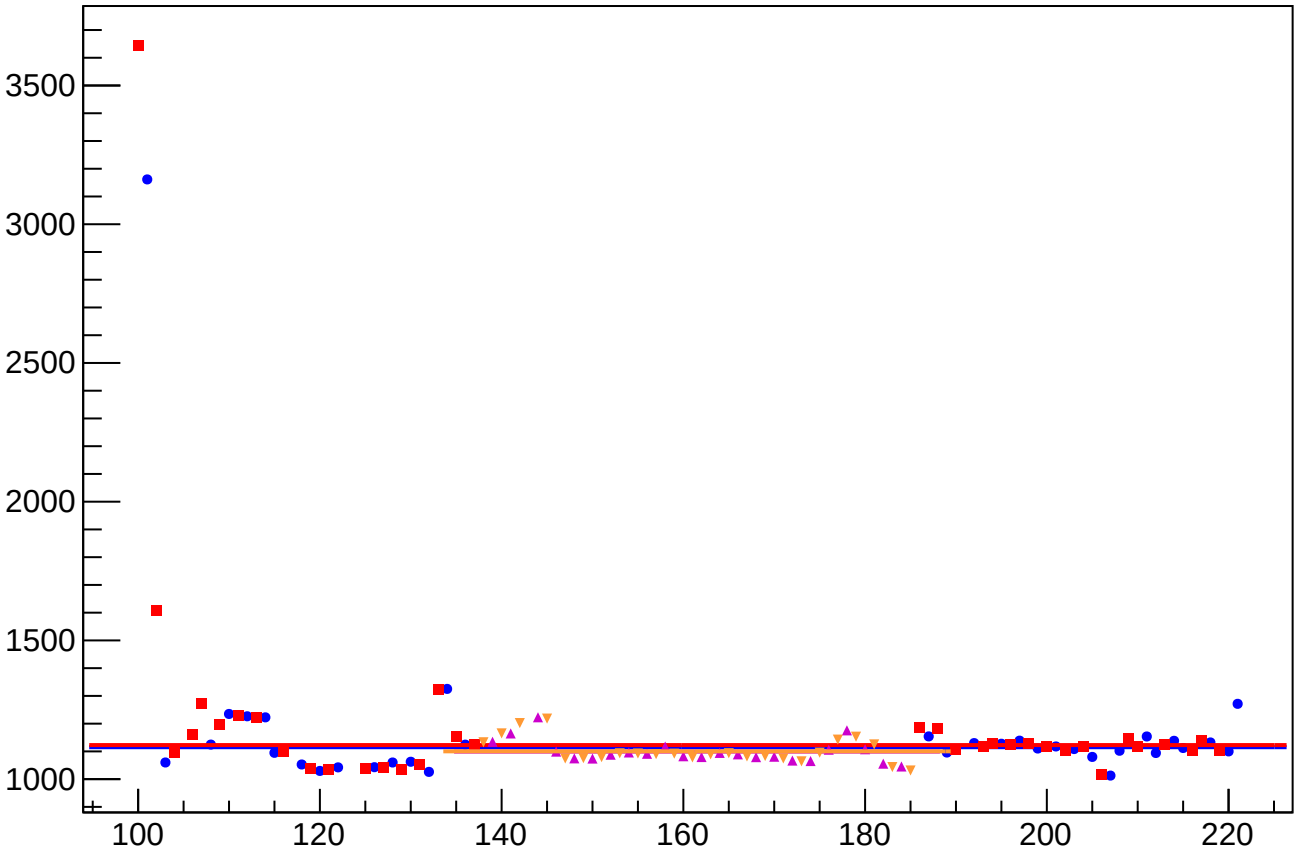
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 157.568+/-173.008 χ^2/NDF: 54.1/68

In: 153.469+/-176.385 χ^2/NDF:60.8/56

Out: 168.924+/-177.514 χ^2/NDF:58.2/58

All: 161.147+/-125.120 χ^2/NDF: 119.0/115



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: 1122.781+/-0.174 χ^2/NDF: 260471.1/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

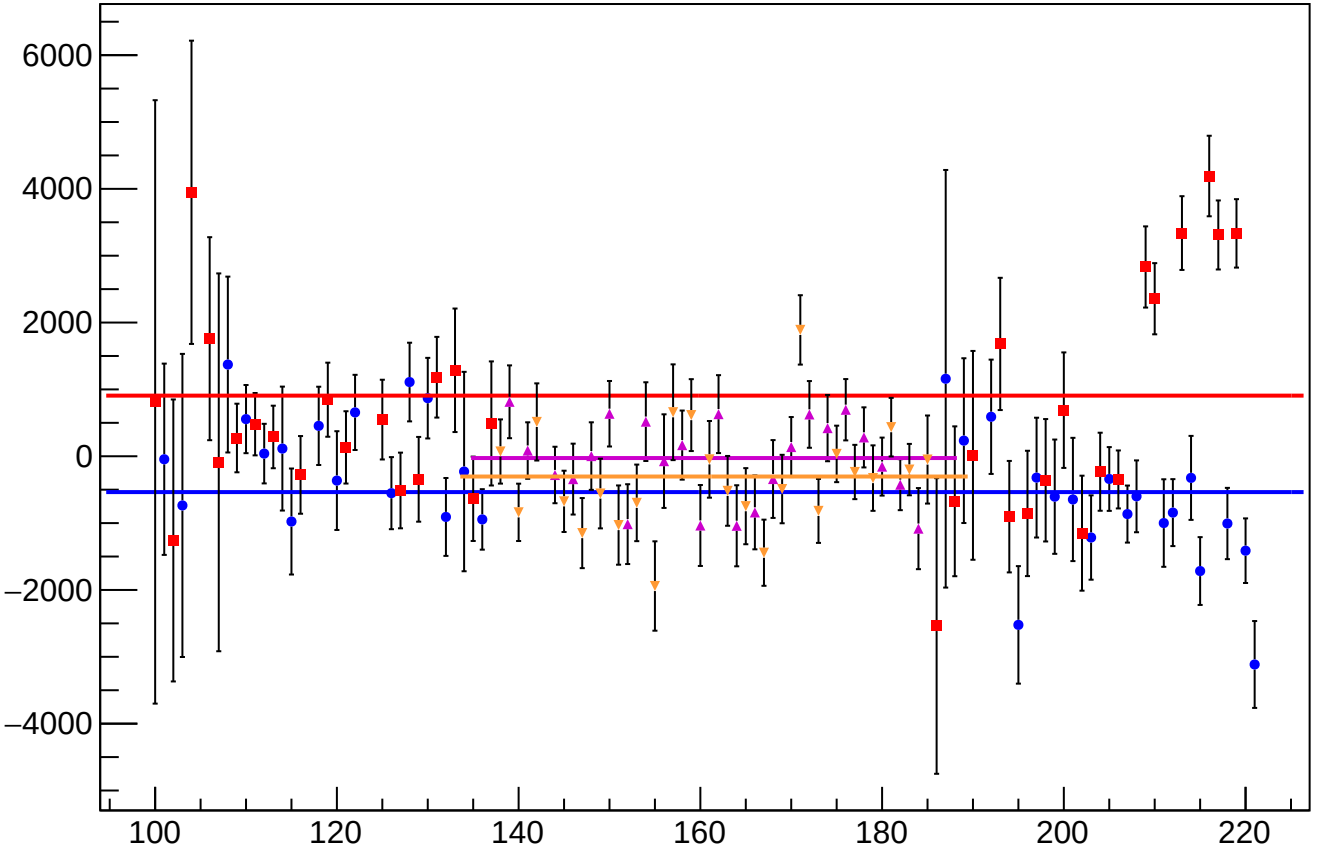
Right: 1118.885+/-0.122 χ^2/NDF: 917133.1/68

In: 1107.679+/-0.125 χ^2/NDF:704453.1/56

Out: 1111.914+/-0.126 χ^2/NDF:317284.9/58

All: 1109.783+/-0.088 χ^2/NDF: 1022310.9/11

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -536.056+/-109.000 χ^2/NDF: 67.0/33

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 906.891+/-114.229 χ^2/NDF: 175.0/34

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

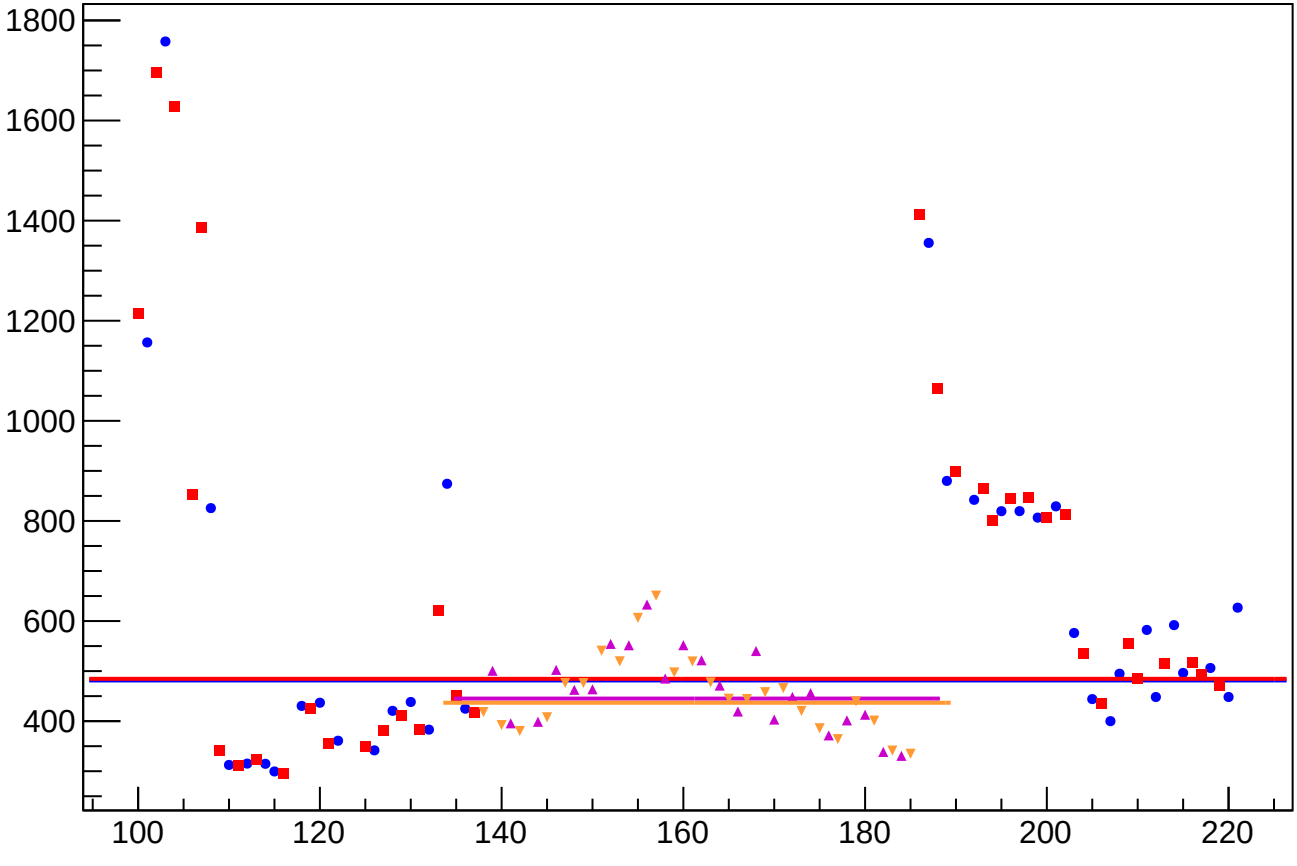
Right: 151.638+/-78.858 χ^2/NDF: 325.5/68

In: -272.897+/-75.777 χ^2/NDF:106.2/56

Out: 239.333+/-76.486 χ^2/NDF:286.4/58

All: -19.167+/-53.832 χ^2/NDF: 415.2/115

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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: 484.577+/-0.081 χ^2/NDF: 5742493.6/34

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

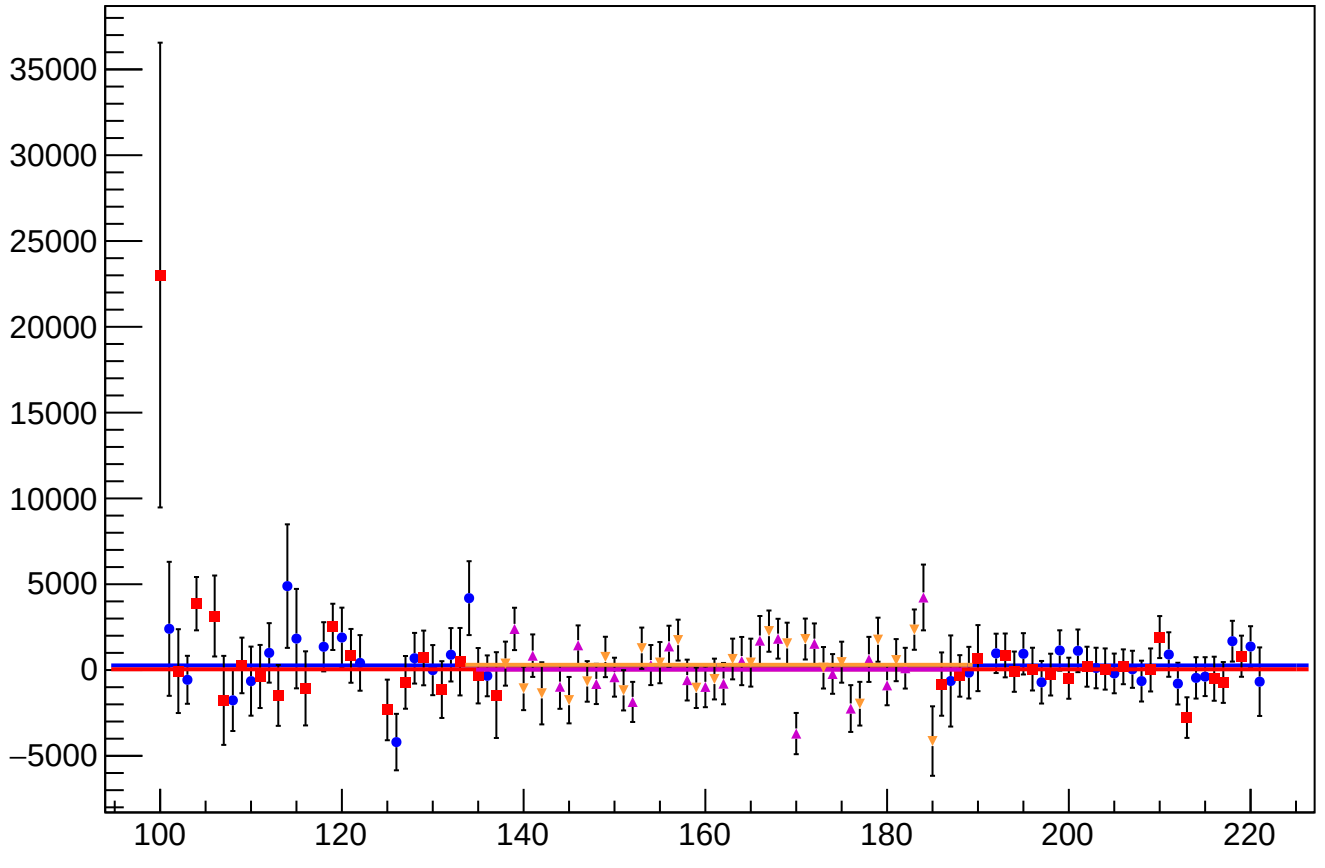
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 482.886+/-0.056 χ^2/NDF: 10376773.4/68

In: 462.623+/-0.054 χ^2/NDF:5622196.9/56

Out: 458.214+/-0.054 χ^2/NDF:6790816.9/58

All: 460.439+/-0.038 χ^2/NDF: 12416368.3/11



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: 43.541+/-246.760 χ^2/NDF: 29.2/34

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

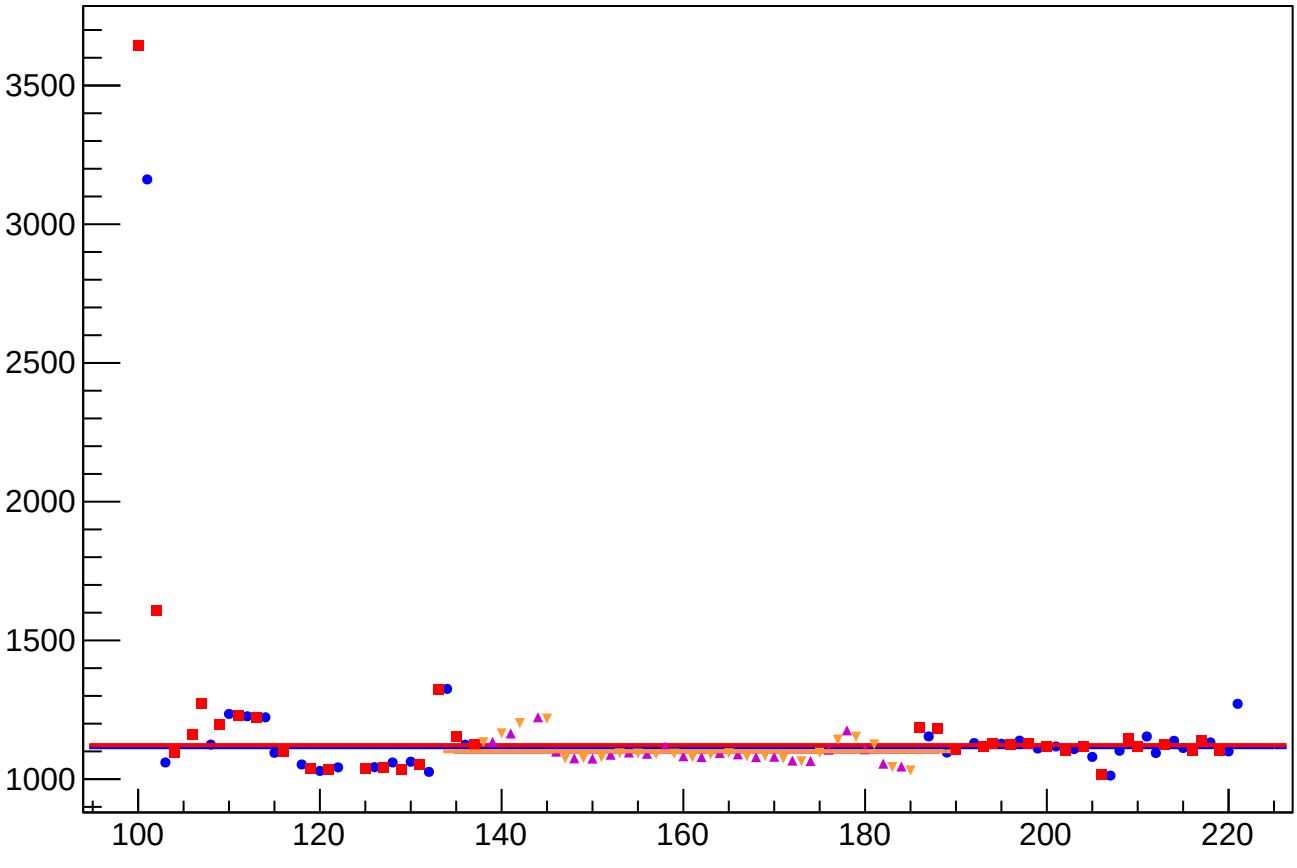
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 157.566+/-173.008 χ^2/NDF: 54.1/68

In: 153.469+/-176.385 χ^2/NDF:60.8/56

Out: 168.922+/-177.514 χ^2/NDF:58.2/58

All: 161.146+/-125.120 χ^2/NDF: 119.0/115



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: 1122.781+/-0.174 χ^2/NDF: 260471.2/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

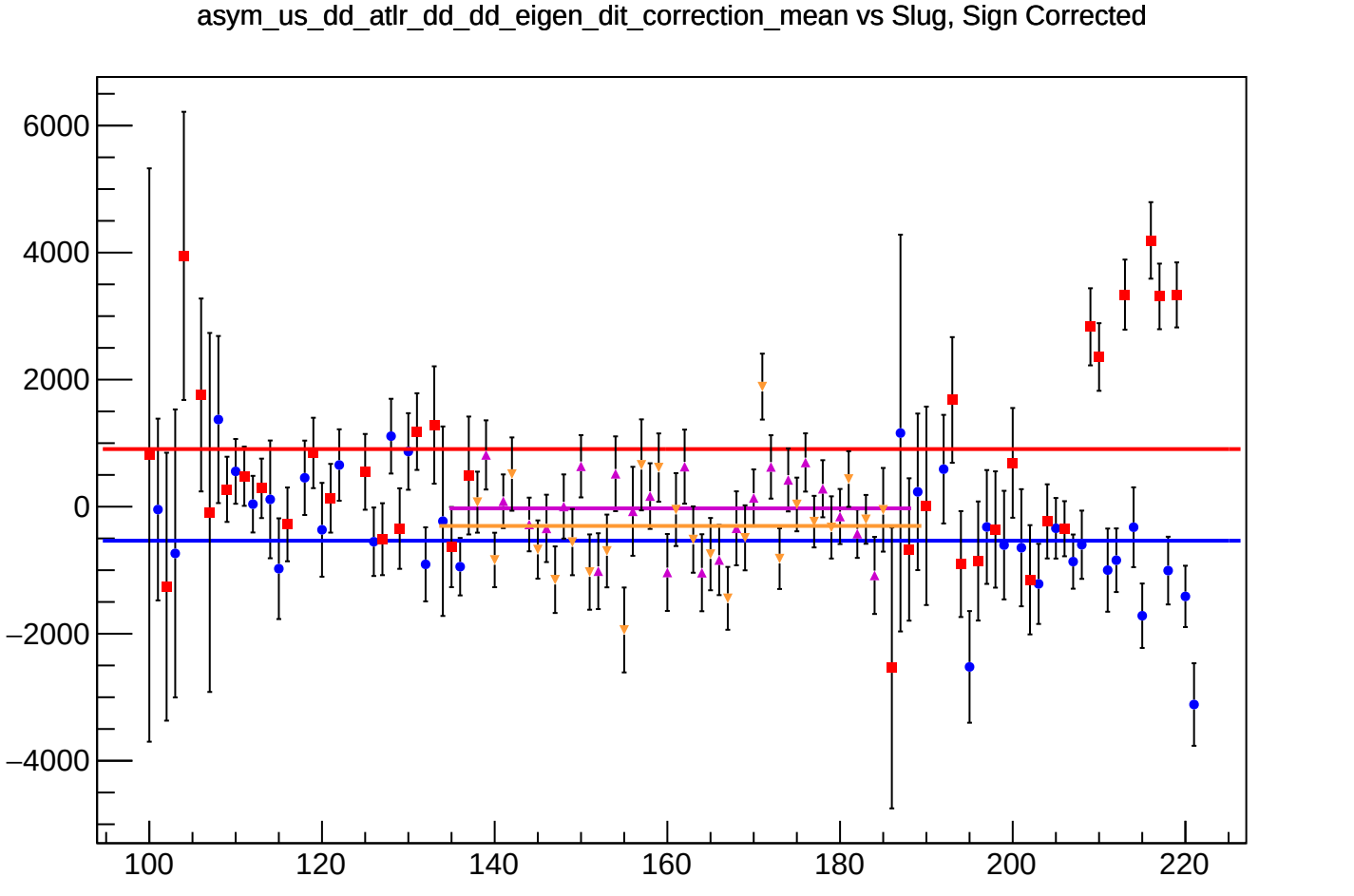
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1118.885+/-0.122 χ^2/NDF: 917133.2/68

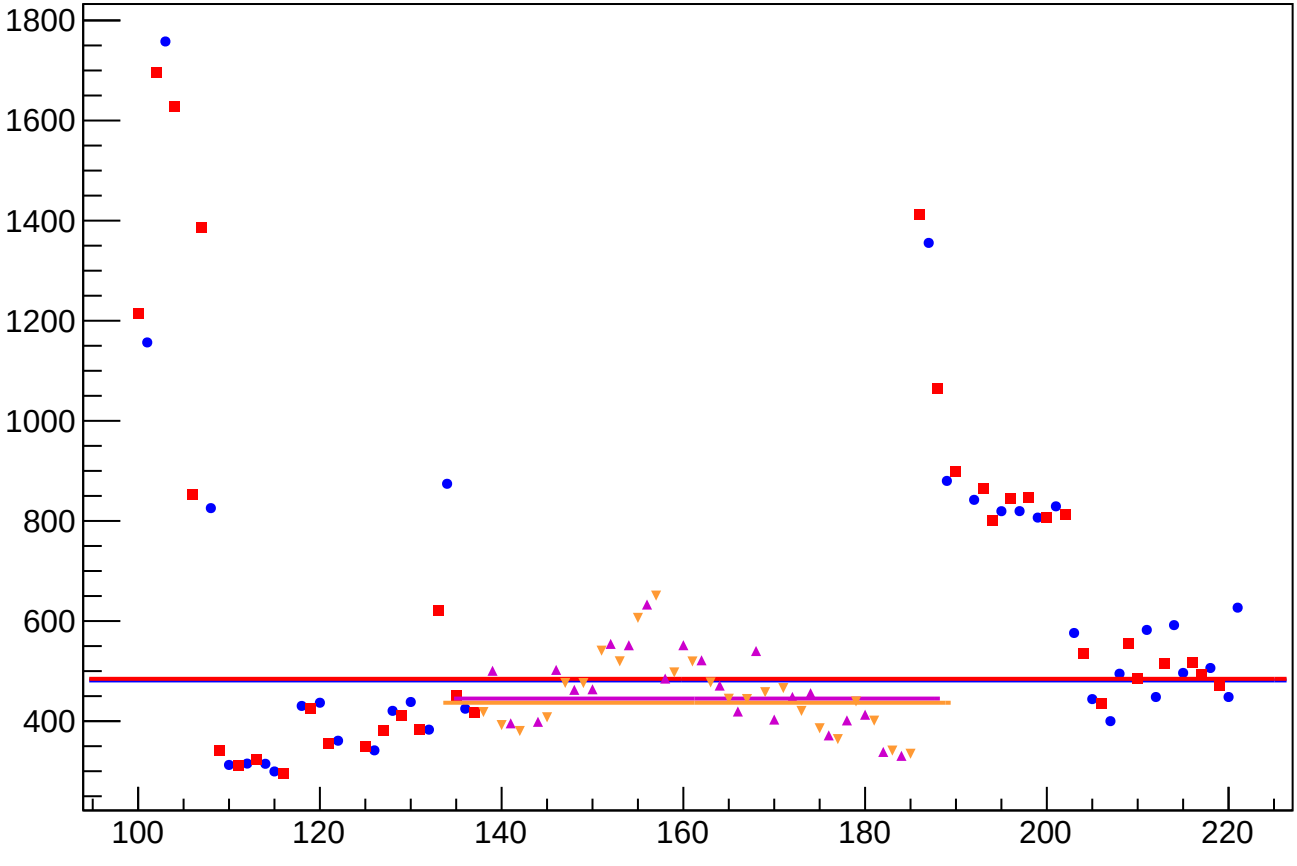
In: 1107.679+/-0.125 χ^2/NDF:704453.3/56

Out: 1111.914+/-0.126 χ^2/NDF:317285.2/58

All: 1109.783+/-0.088 χ^2/NDF: 1022311.4/11


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: 906.878+/-114.228 χ²/NDF: 175.0/34
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 151.630+/-78.858 χ²/NDF: 325.5/68
In: -272.900+/-75.777 χ²/NDF:106.2/56
Out: 239.328+/-76.486 χ²/NDF:286.4/58
All: -19.170+/-53.831 χ²/NDF: 415.2/115

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: 484.575+/-0.081 χ^2/NDF: 5742564.4/34

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

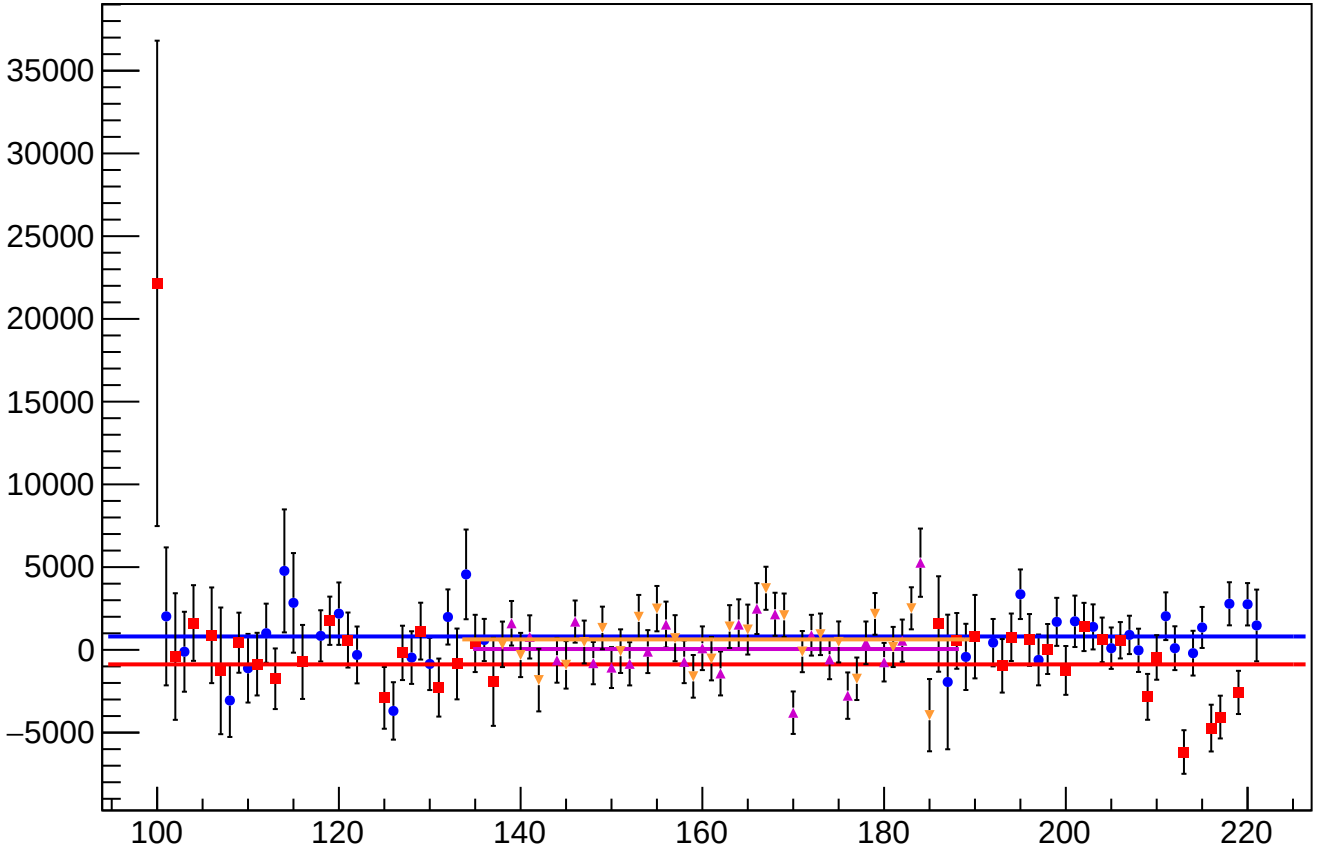
Right: 482.884+/-0.056 χ^2/NDF: 10376878.6/68

In: 462.622+/-0.054 χ^2/NDF:5622252.9/56

Out: 458.212+/-0.054 χ^2/NDF:6790903.0/58

All: 460.438+/-0.038 χ^2/NDF: 12416510.2/11

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



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: -877.268+/-284.345 χ^2/NDF: 56.2/34

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

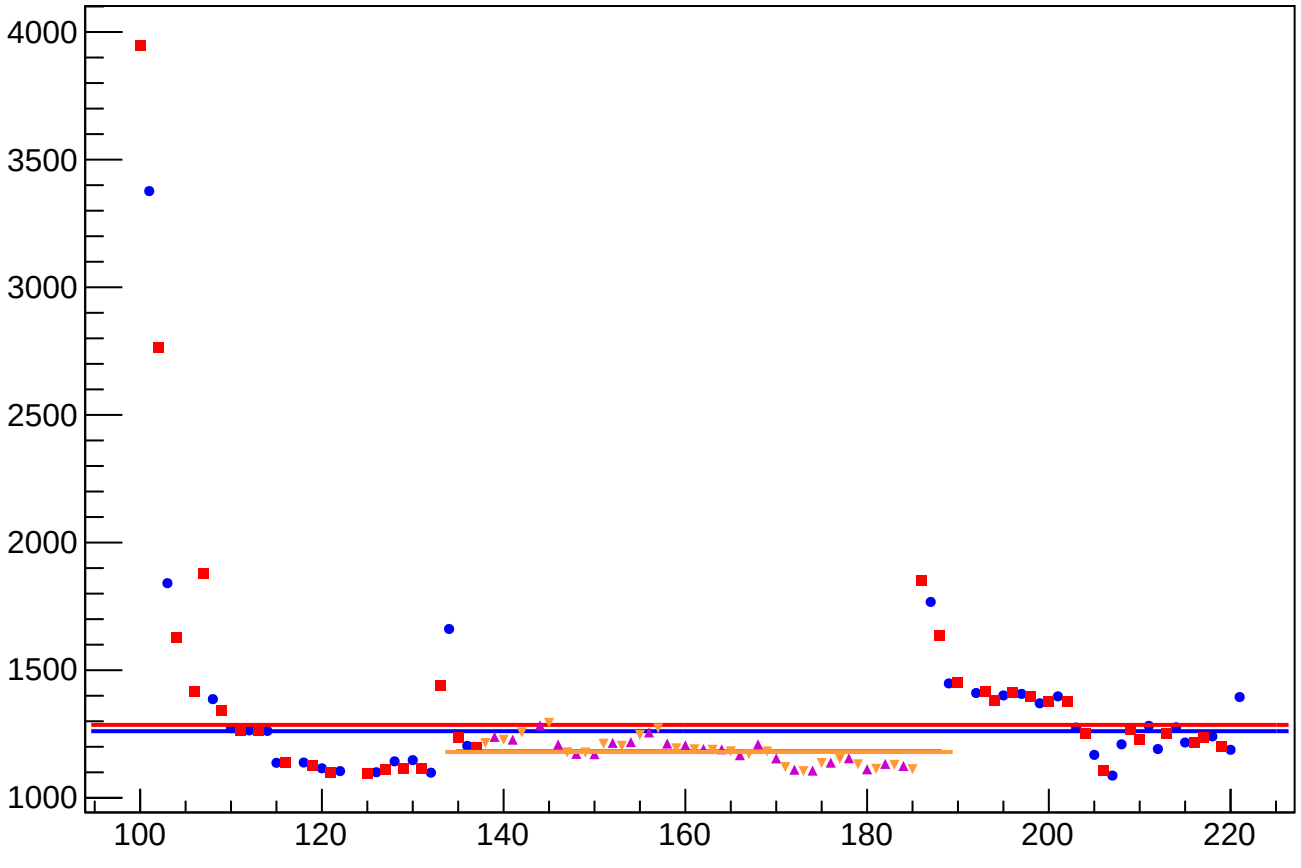
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: -7.553+/-197.896 χ^2/NDF: 104.8/68

In: 430.996+/-195.093 χ^2/NDF:69.2/56

Out: -94.393+/-197.325 χ^2/NDF:101.0/58

All: 171.291+/-138.734 χ^2/NDF: 173.8/115



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: 1285.805+/-0.201 χ^2/NDF: 927740.8/34

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

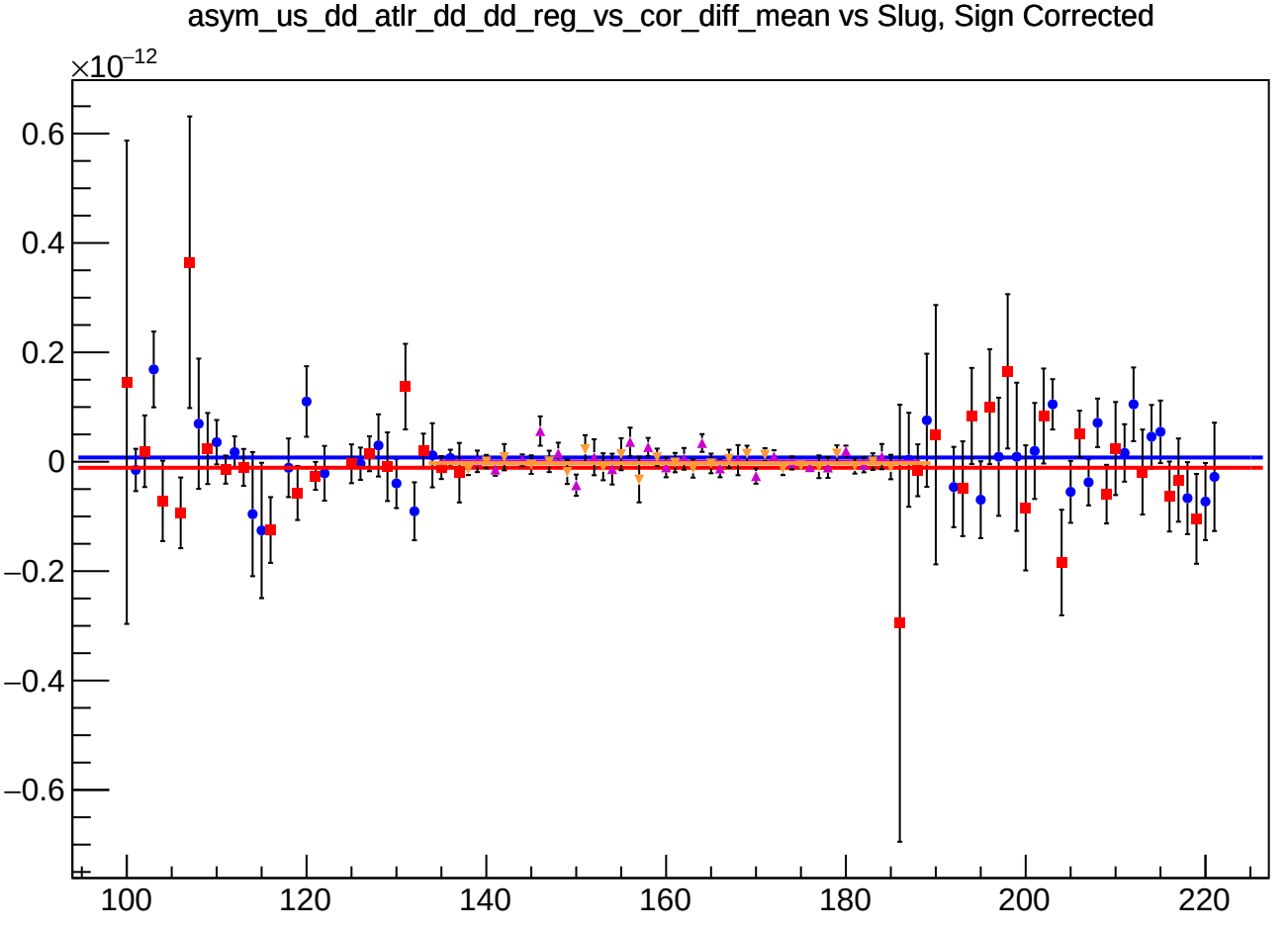
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1273.107+/-0.140 χ^2/NDF: 1937485.5/68

In: 1221.643+/-0.138 χ^2/NDF:1144872.4/56

Out: 1230.806+/-0.140 χ^2/NDF:1136745.3/58

All: 1226.172+/-0.098 χ^2/NDF: 2283798.5/11



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: 29.7/34

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

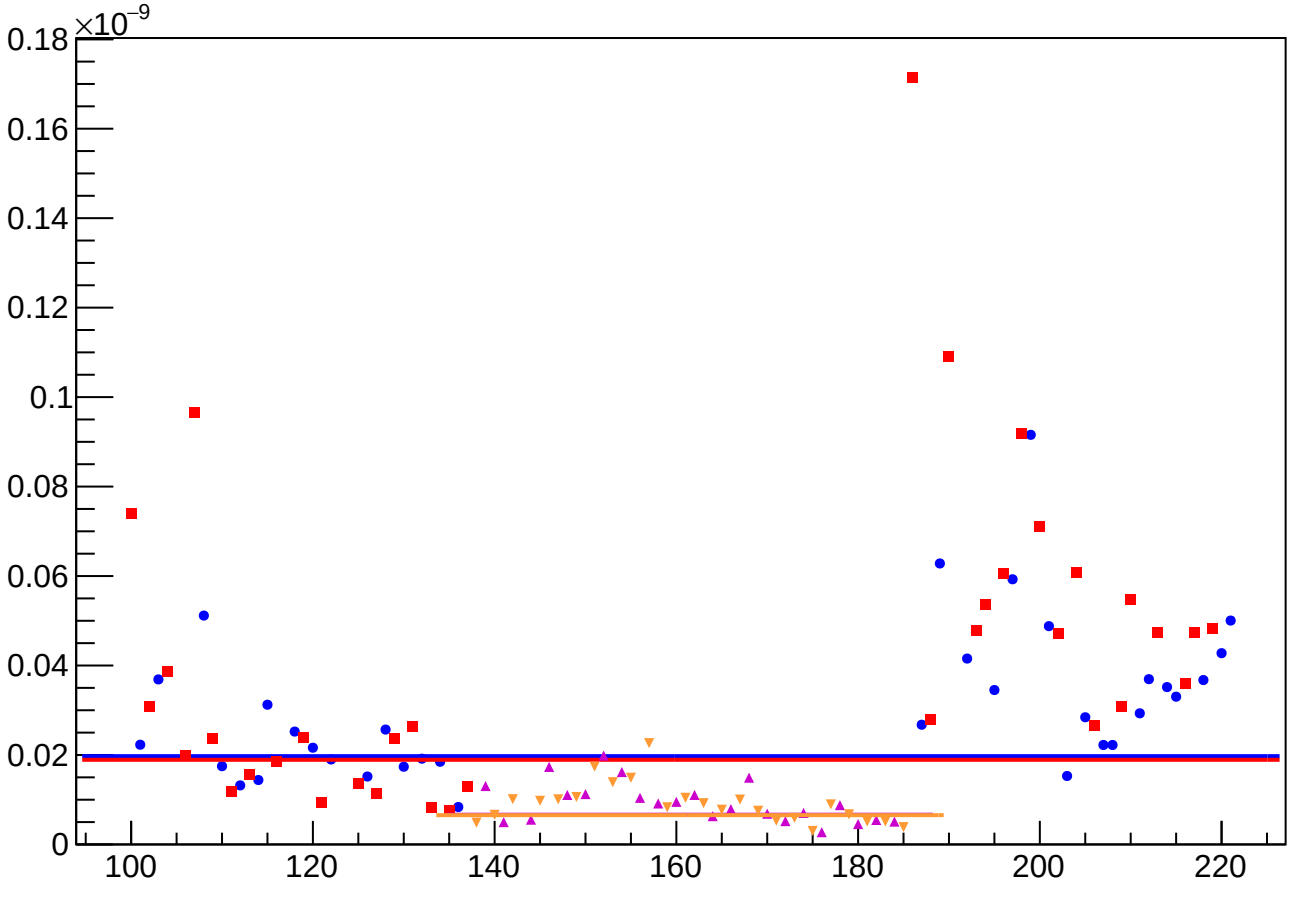
Right: -0.000+/-0.000 χ^2/NDF: 65.6/68

In: 0.000+/-0.000 χ^2/NDF:66.6/56

Out: -0.000+/-0.000 χ^2/NDF:41.0/58

All: -0.000+/-0.000 χ^2/NDF: 109.0/115

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6454057.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

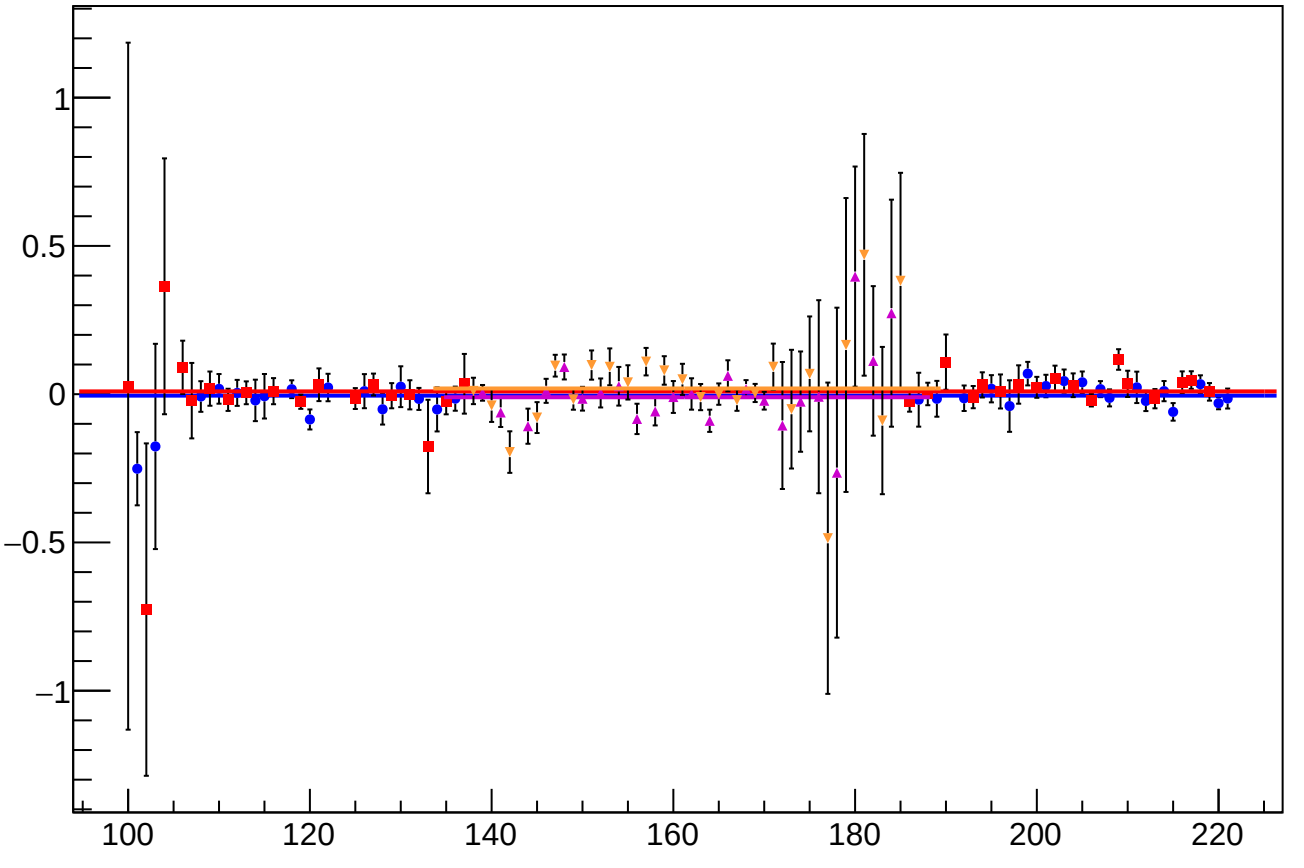
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 10703334.6/68

In: 0.000+/-0.000 χ^2/NDF:11331291.7/56

Out: 0.000+/-0.000 χ^2/NDF:12674474.2/58

All: 0.000+/-0.000 χ^2/NDF: 24017279.9/115



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: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

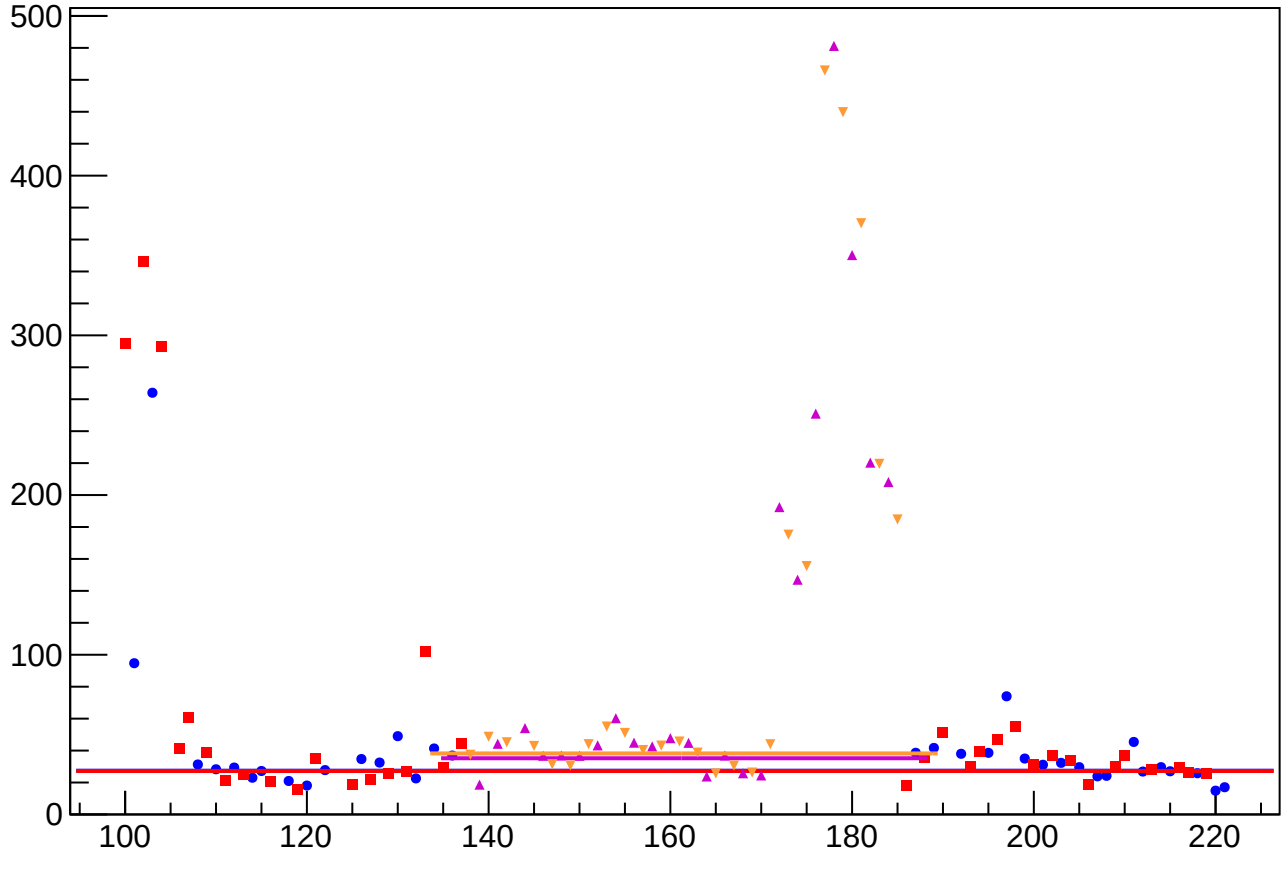
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.002+/-0.005 χ^2/NDF: 59.3/68

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.003+/-0.004 χ^2/NDF: 122.8/115



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: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

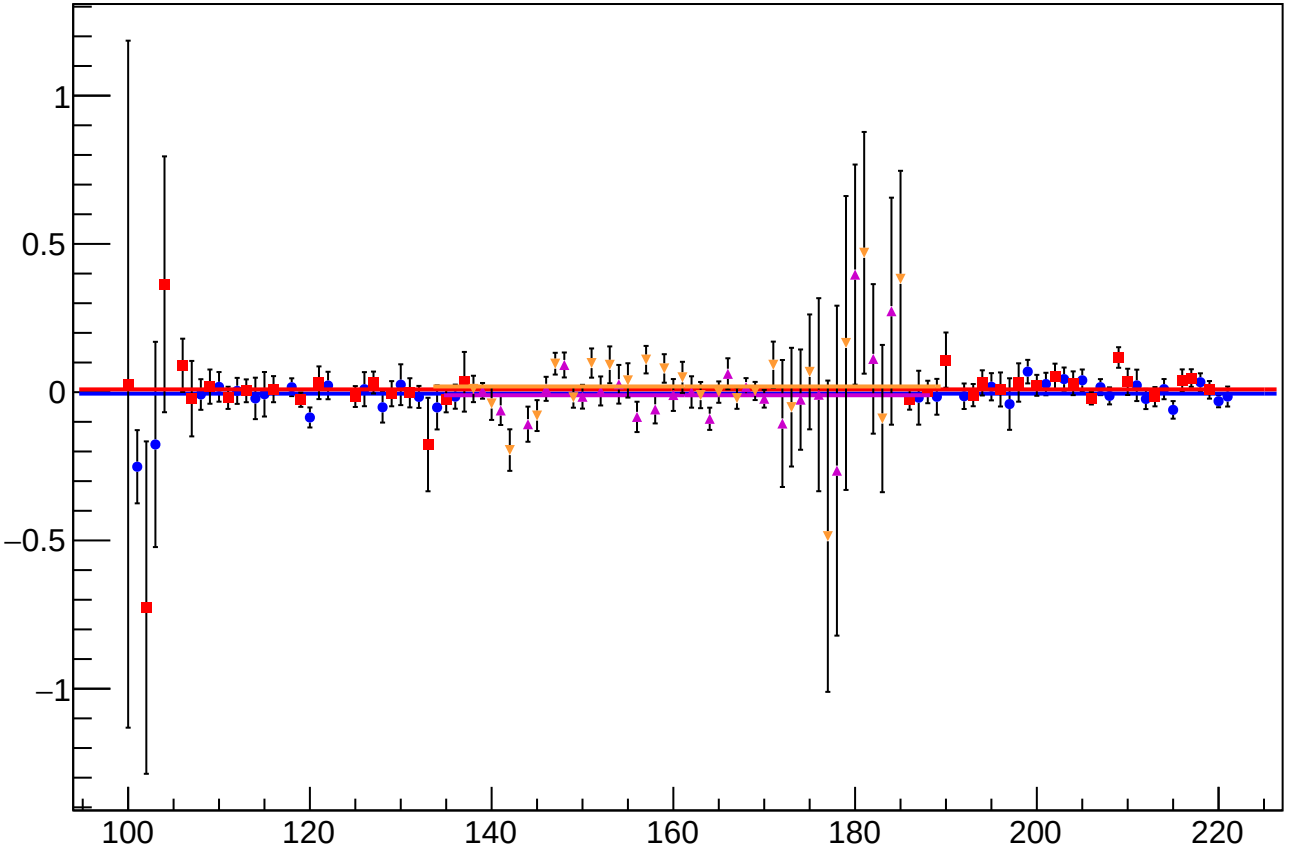
Right: 27.310+/-0.003 χ^2/NDF: 9423947.2/68

In: 29.806+/-0.004 χ^2/NDF:14777413.5/56

Out: 30.458+/-0.004 χ^2/NDF:14578419.6/58

All: 30.124+/-0.003 χ^2/NDF: 29368520.8/115

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: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

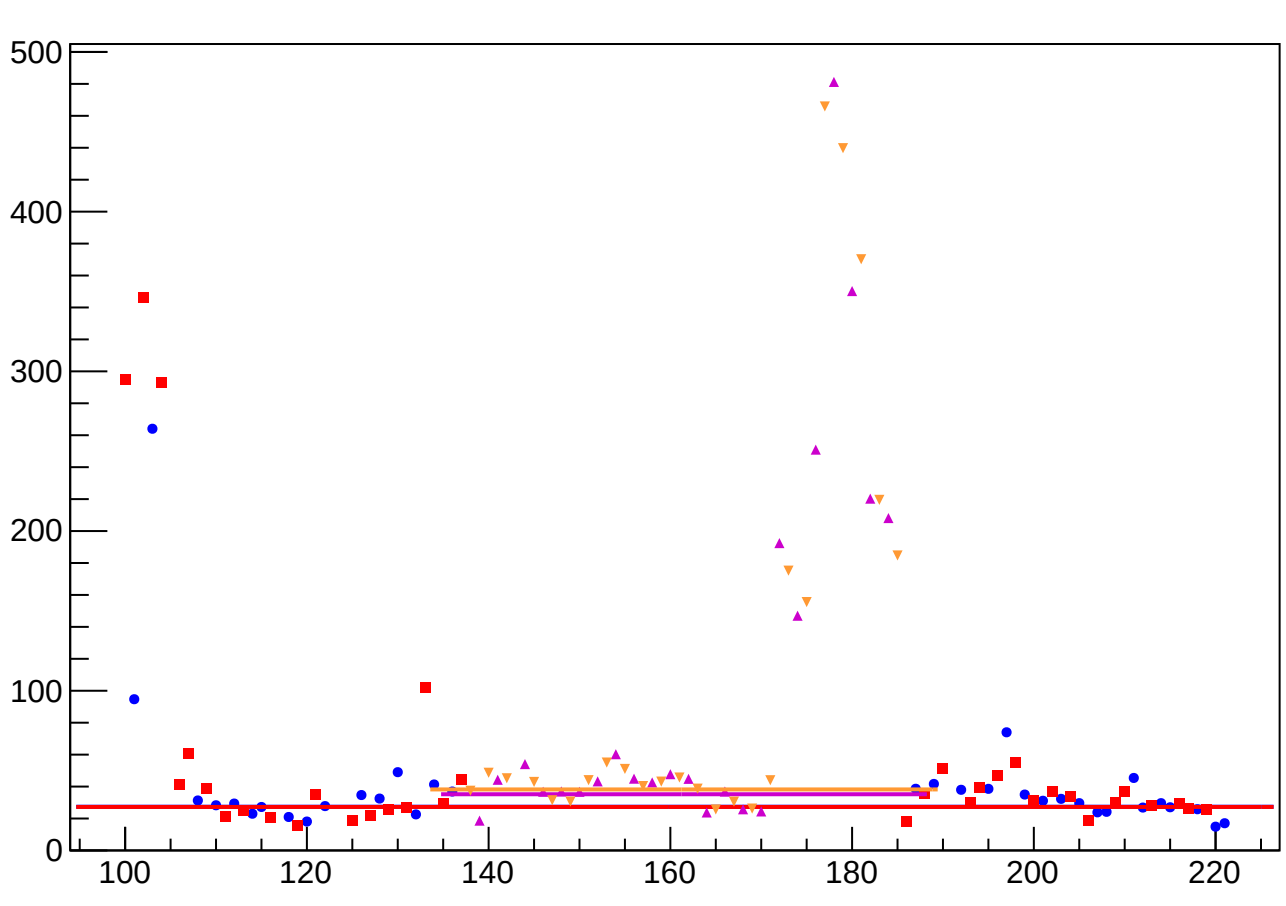
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.002+/-0.005 χ^2/NDF: 59.3/68

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.003+/-0.004 χ^2/NDF: 122.8/115



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: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

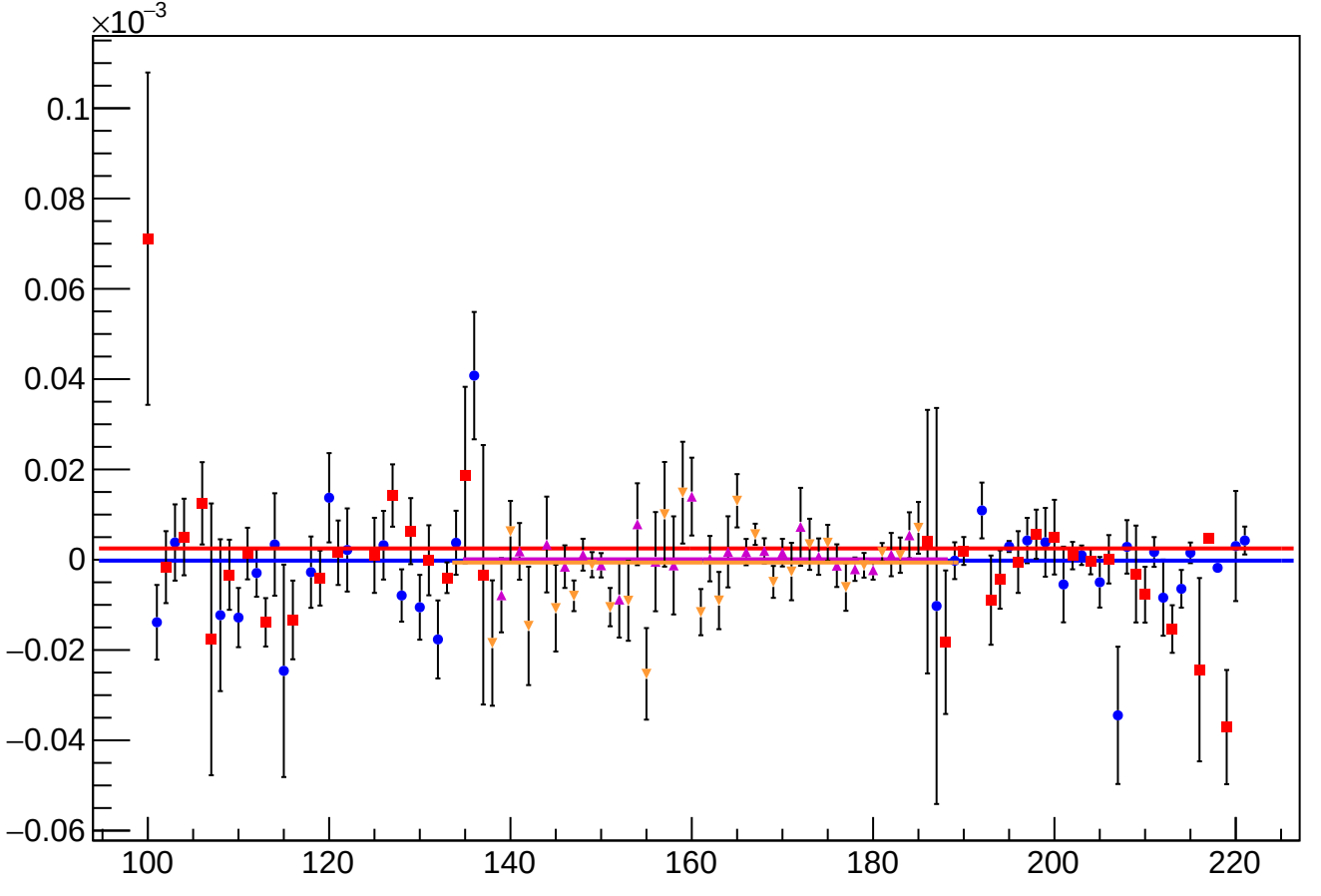
Right: 27.310+/-0.003 χ^2/NDF: 9423947.2/68

In: 29.806+/-0.004 χ^2/NDF:14777413.5/56

Out: 30.458+/-0.004 χ^2/NDF:14578419.6/58

All: 30.124+/-0.003 χ^2/NDF: 29368520.8/115

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: 67.8/34

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

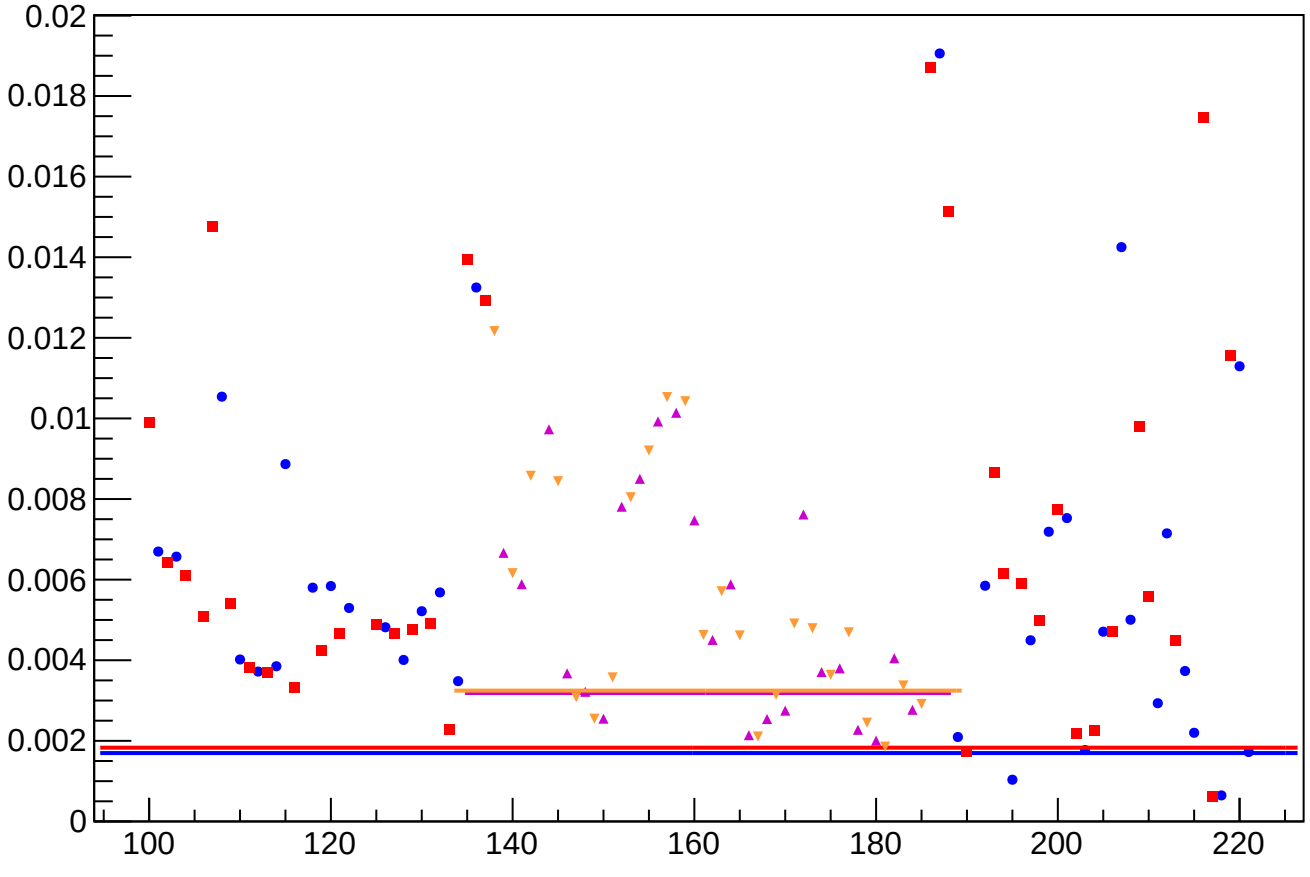
Right: 0.000+/-0.000 χ^2/NDF: 133.4/68

In: -0.000+/-0.000 χ^2/NDF:66.4/56

Out: 0.000+/-0.000 χ^2/NDF:127.4/58

All: 0.000+/-0.000 χ^2/NDF: 198.6/115

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.002+/-0.000 χ^2/NDF: 22024400.5/34

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

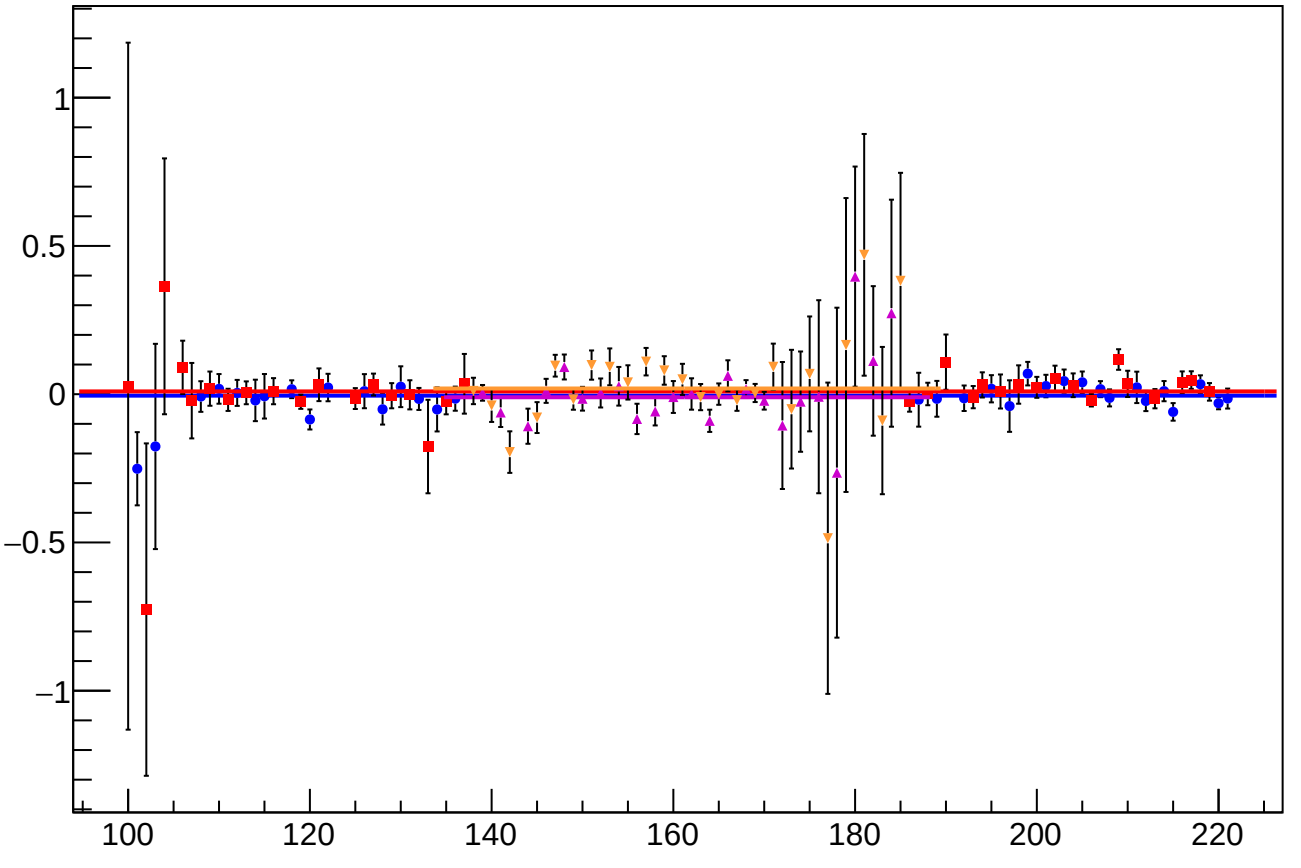
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.002+/-0.000 χ^2/NDF: 42233671.5/68

In: 0.002+/-0.000 χ^2/NDF:31714000.9/56

Out: 0.002+/-0.000 χ^2/NDF:33238715.2/58

All: 0.002+/-0.000 χ^2/NDF: 65111843.5/115



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: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

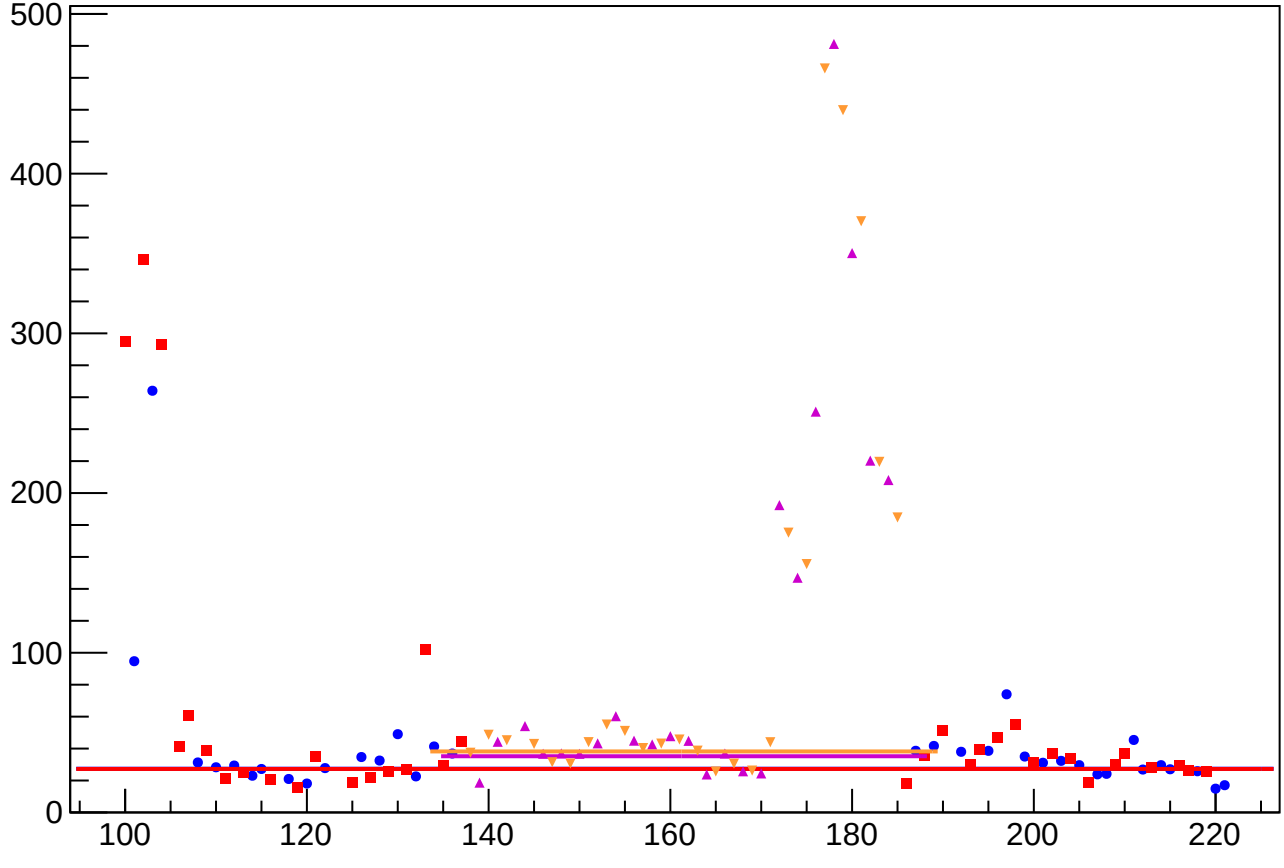
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.002+/-0.005 χ^2/NDF: 59.3/68

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.003+/-0.004 χ^2/NDF: 122.8/115



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: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

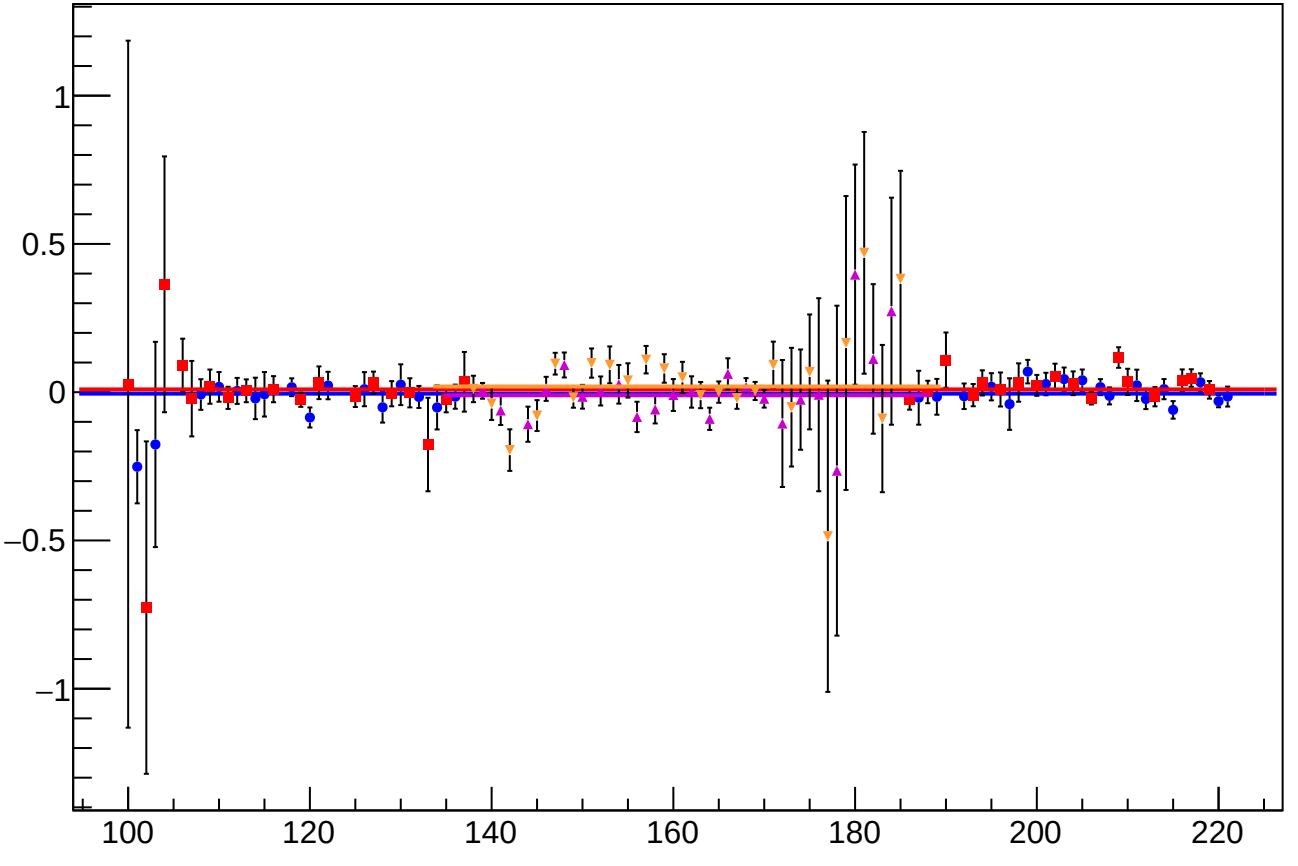
Right: 27.311+/-0.003 χ^2/NDF: 9422686.0/68

In: 29.807+/-0.004 χ^2/NDF:14775892.6/56

Out: 30.456+/-0.004 χ^2/NDF:14579107.5/58

All: 30.124+/-0.003 χ^2/NDF: 29367593.8/115

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: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

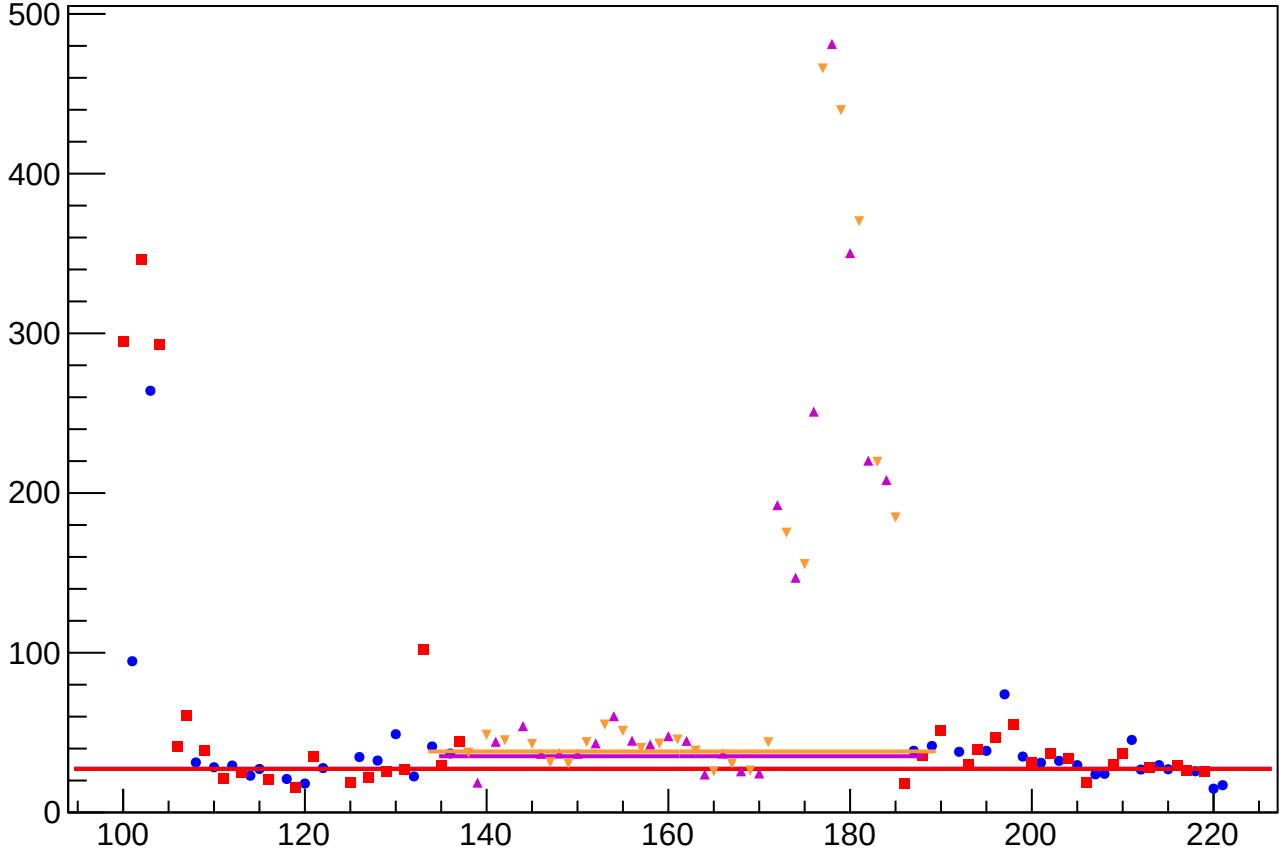
Right: 0.002+/-0.005 χ^2/NDF: 59.3/68

In: -0.007+/-0.006 χ^2/NDF:52.5/56

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.003+/-0.004 χ^2/NDF: 122.8/115

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: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

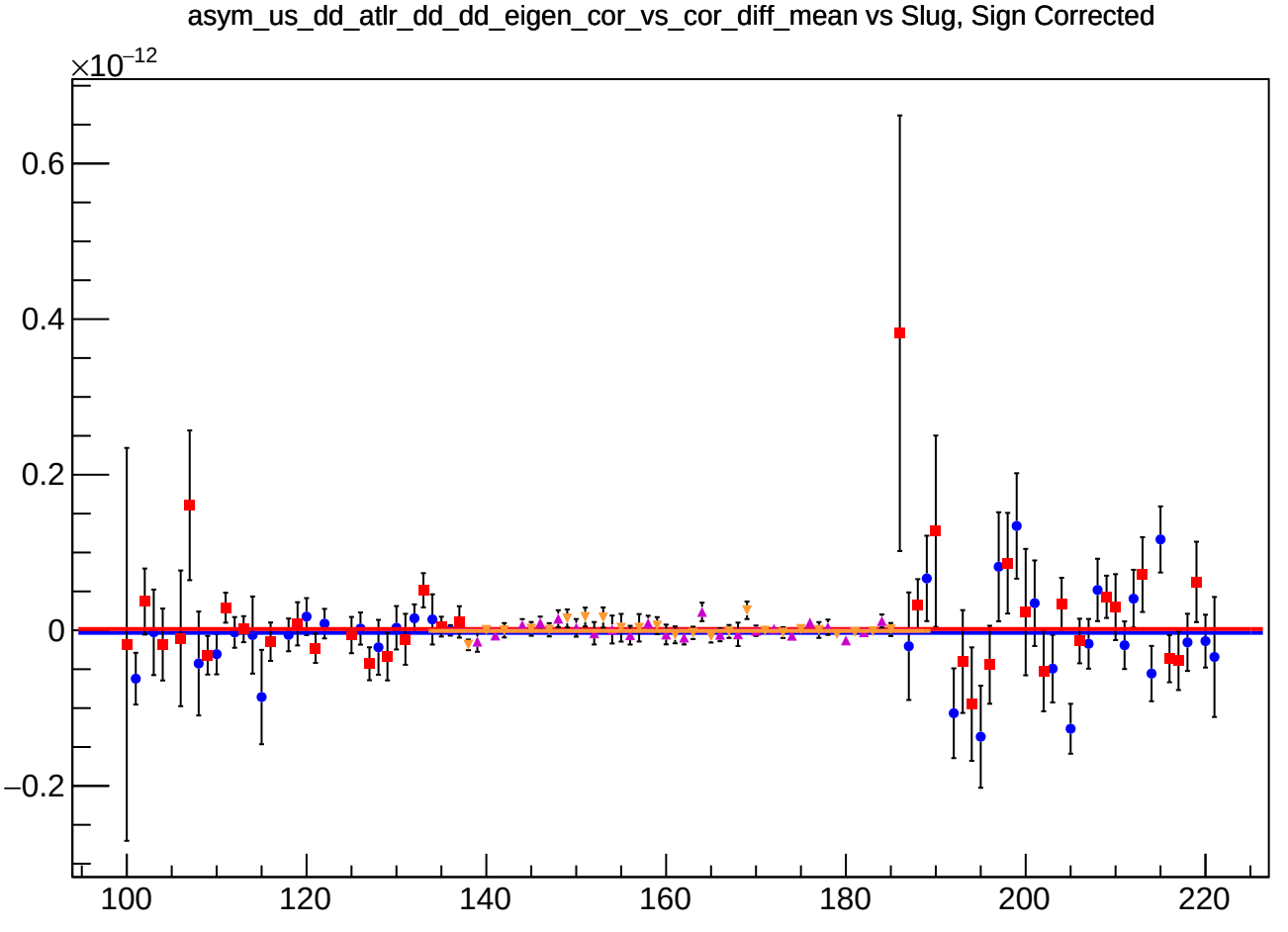
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 27.311+/-0.003 χ^2/NDF: 9422686.0/68

In: 29.807+/-0.004 χ^2/NDF:14775892.6/56

Out: 30.456+/-0.004 χ^2/NDF:14579107.5/58

All: 30.124+/-0.003 χ^2/NDF: 29367593.8/115



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: 41.0/34

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

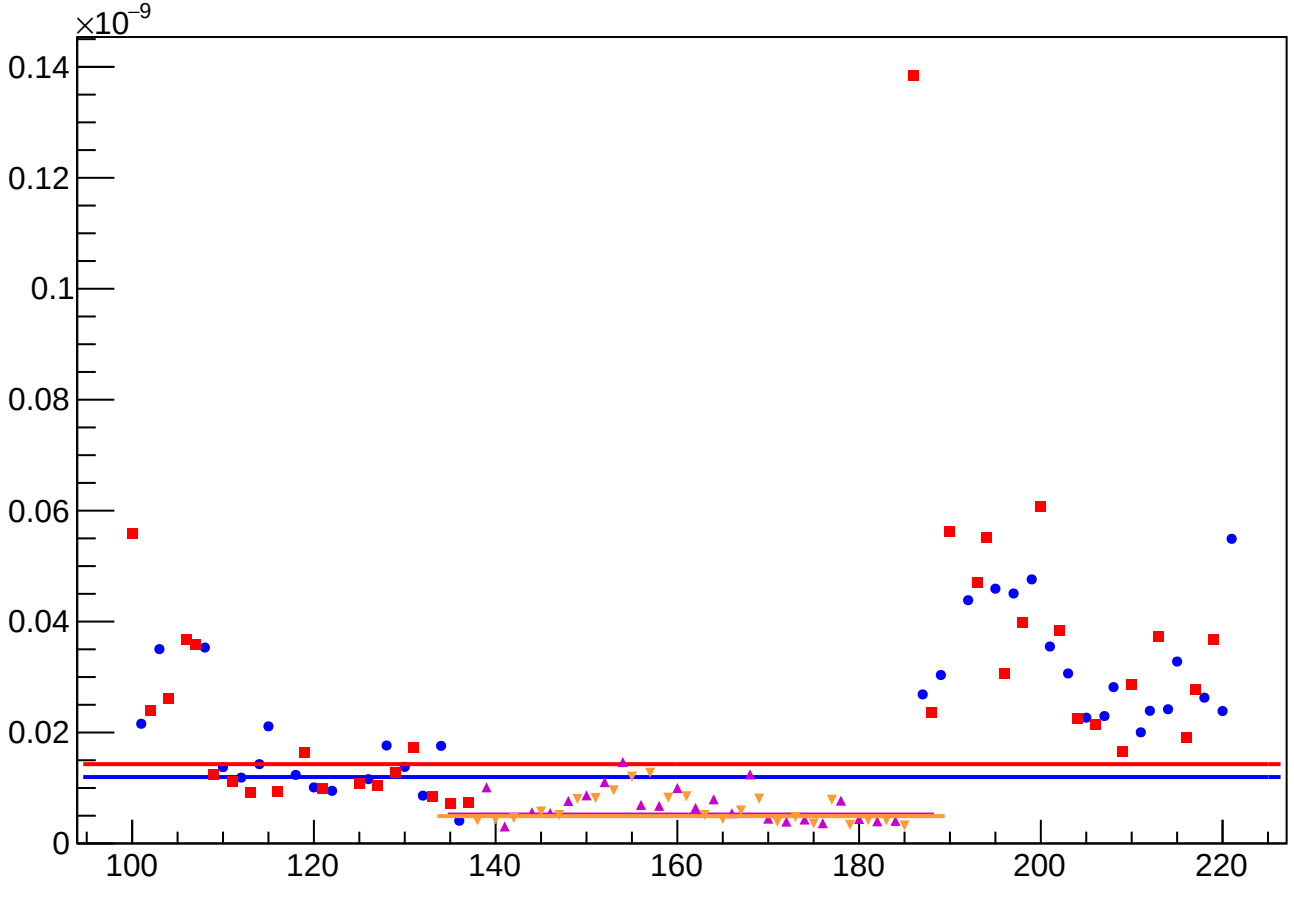
Right: -0.000+/-0.000 χ^2/NDF: 96.5/68

In: -0.000+/-0.000 χ^2/NDF:81.5/56

Out: -0.000+/-0.000 χ^2/NDF:62.4/58

All: -0.000+/-0.000 χ^2/NDF: 143.9/115

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: 7239966.1/34

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

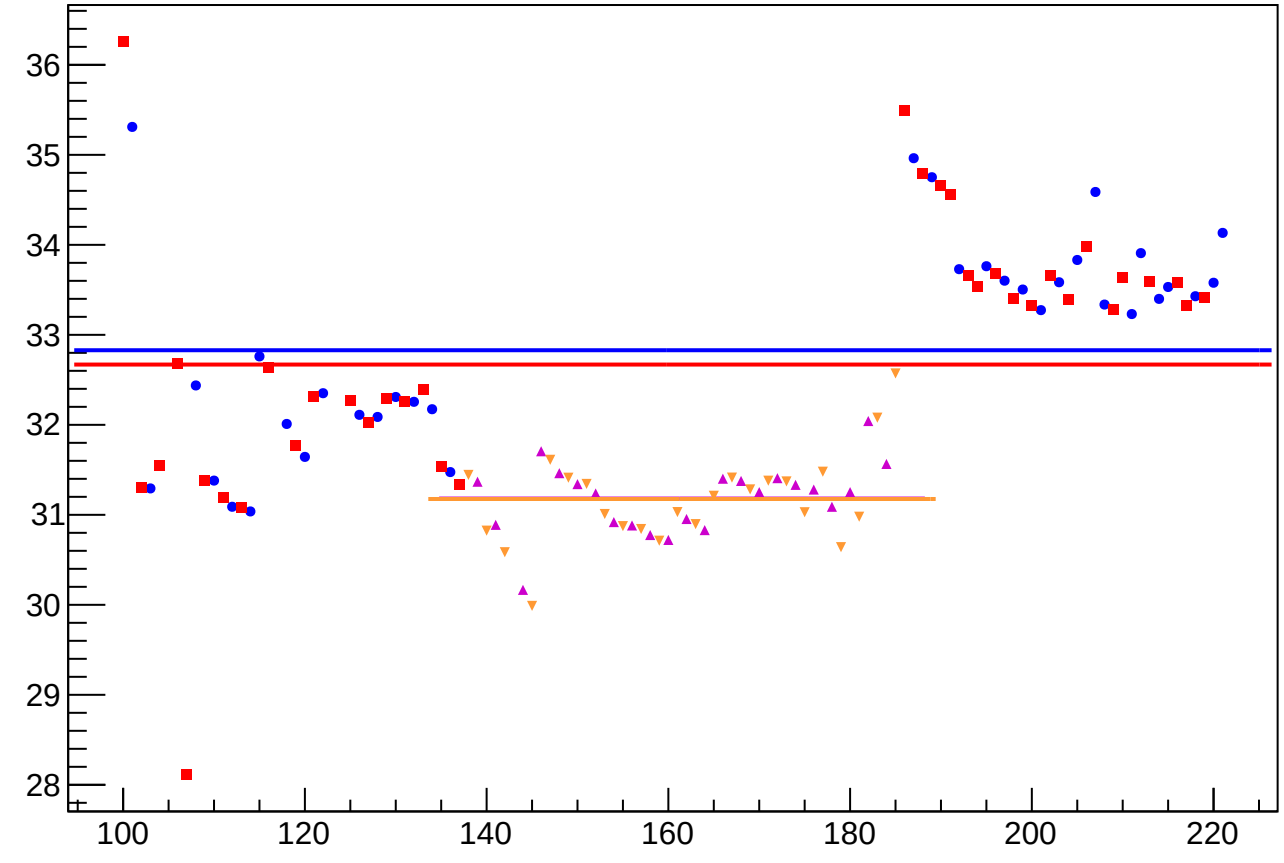
Right: 0.000+/-0.000 χ^2/NDF: 17541942.3/68

In: 0.000+/-0.000 χ^2/NDF:17774074.5/56

Out: 0.000+/-0.000 χ^2/NDF:16388140.2/58

All: 0.000+/-0.000 χ^2/NDF: 34196910.0/115

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: 32.670+/-0.000 χ^2/NDF: 2453165387.8/35

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

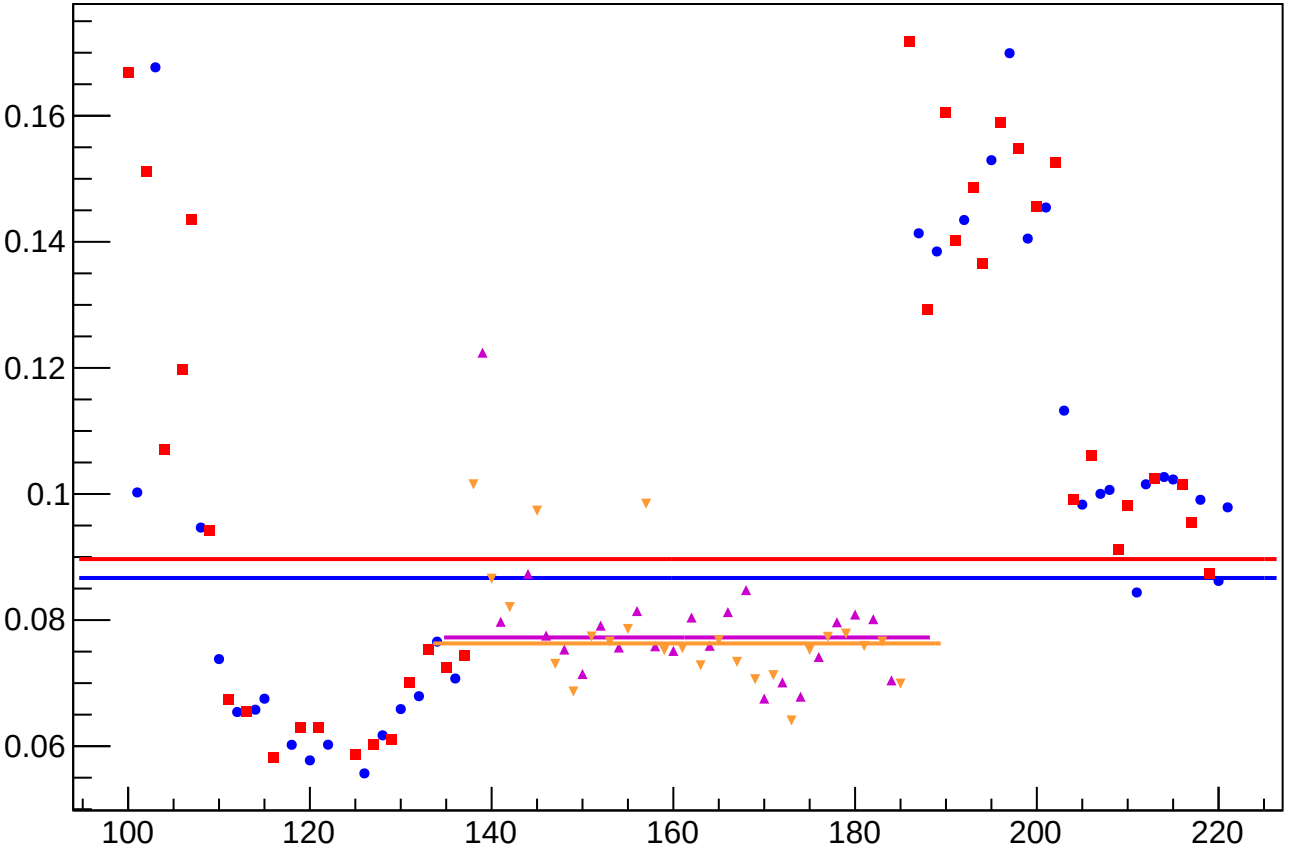
Right: 32.754+/-0.000 χ^2/NDF: 5305795513.1/69

In: 31.969+/-0.000 χ^2/NDF:6797942629.8/56

Out: 31.834+/-0.000 χ^2/NDF:5813738111.6/59

All: 31.903+/-0.000 χ^2/NDF: 12659262485.3

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: 4016731.2/35

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

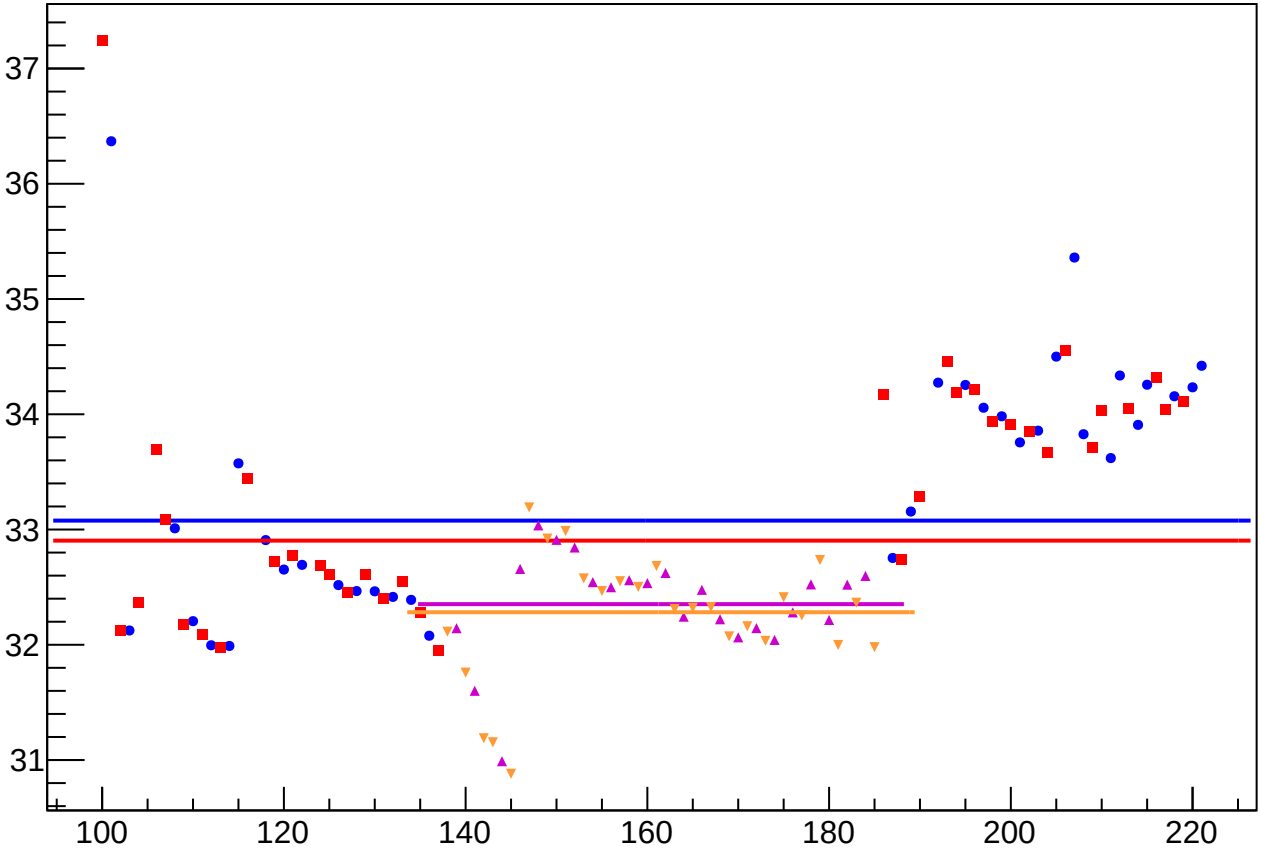
Right: 0.088+/-0.000 χ^2/NDF: 7690926.7/69

In: 0.082+/-0.000 χ^2/NDF:4253752.1/56

Out: 0.082+/-0.000 χ^2/NDF:4827849.4/59

All: 0.082+/-0.000 χ^2/NDF: 9082587.3/116

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: 32.904+/-0.000 χ^2/NDF: 736832173.5/35

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

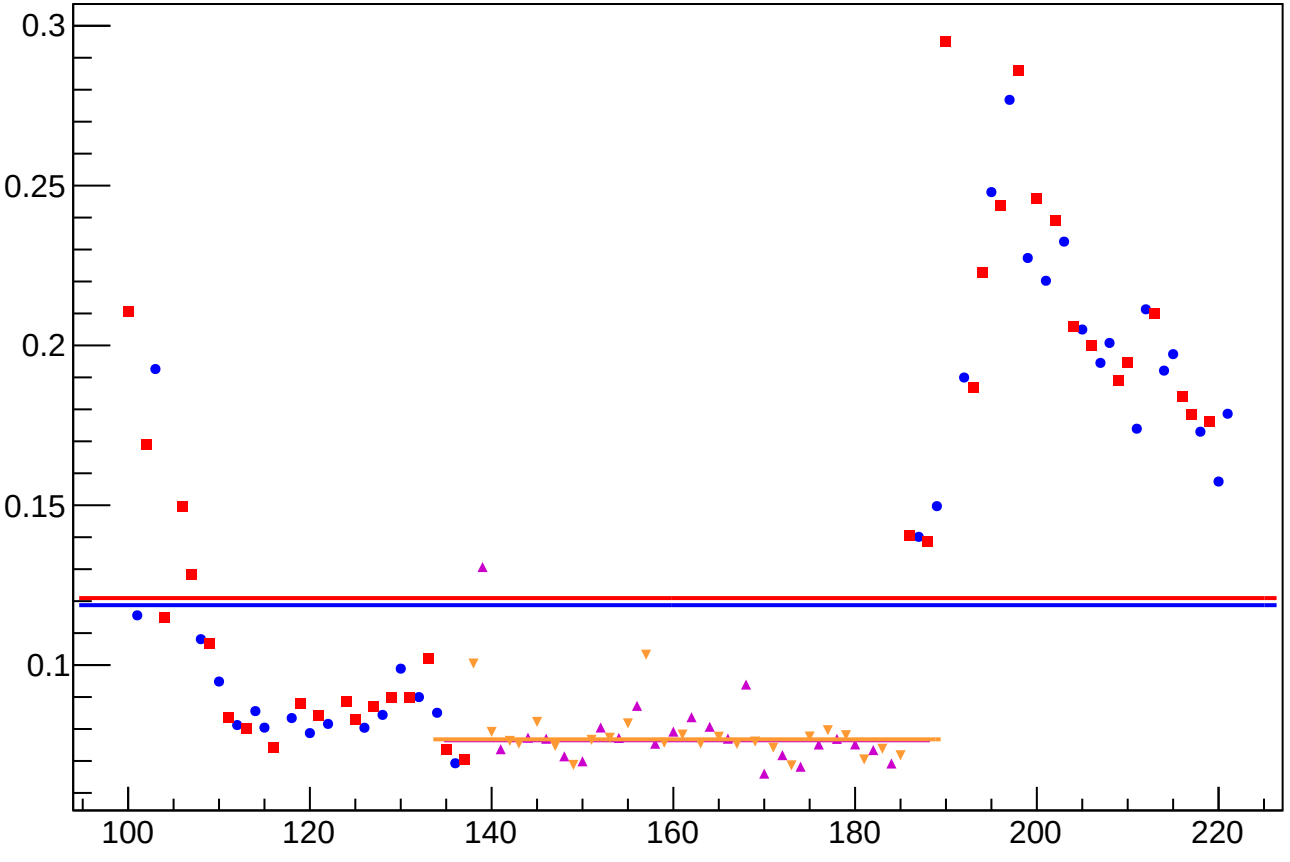
Right: 32.994+/-0.000 χ^2/NDF: 2149695028.8/69

In: 32.568+/-0.000 χ^2/NDF:2434153130.8/56

Out: 32.453+/-0.000 χ^2/NDF:1893538785.6/60

All: 32.510+/-0.000 χ^2/NDF: 4354850371.5/1

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: 0.121+/-0.000 χ^2/NDF: 6583308.5/35

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

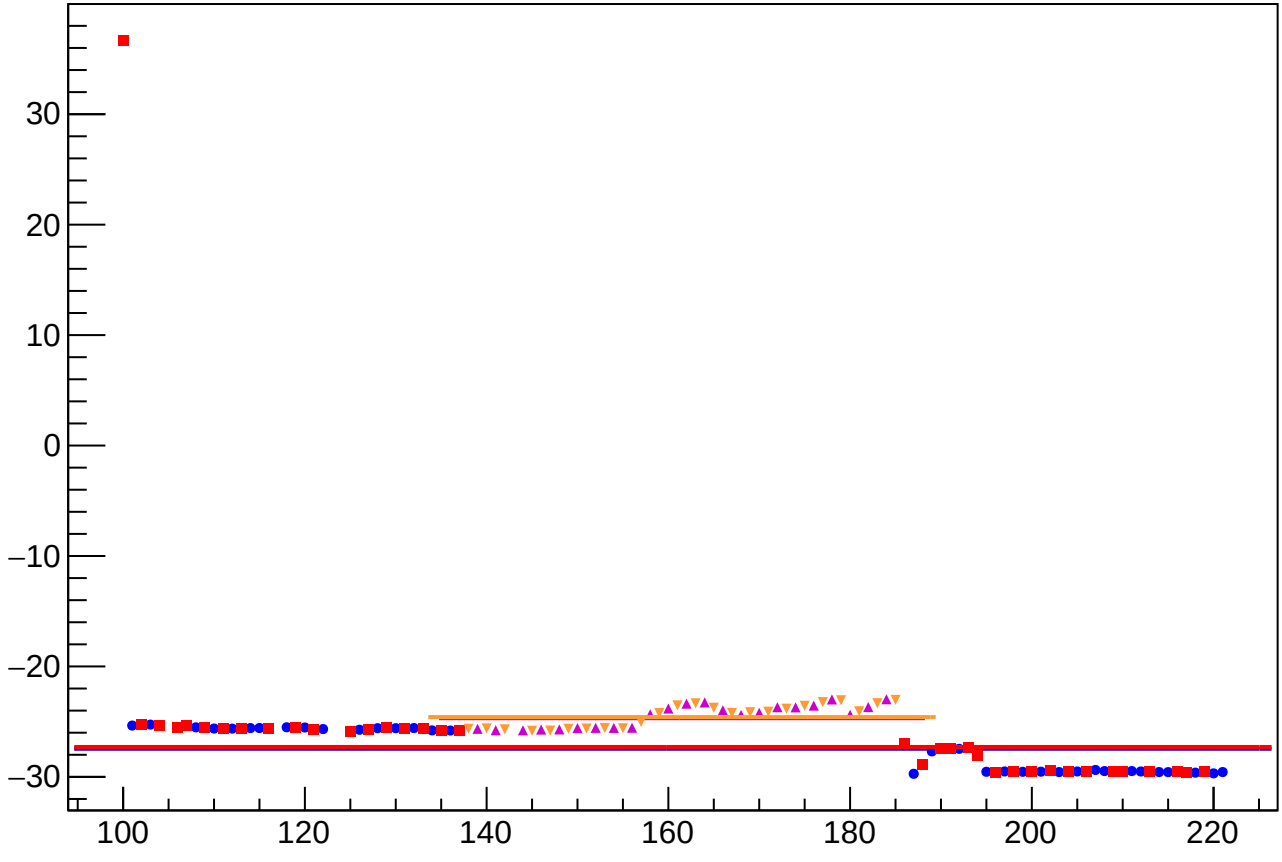
Right: 0.120+/-0.000 χ^2/NDF: 13662948.9/69

In: 0.089+/-0.000 χ^2/NDF:10611008.6/56

Out: 0.089+/-0.000 χ^2/NDF:10048599.3/60

All: 0.089+/-0.000 χ^2/NDF: 20659674.6/117

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: -27.291+/-0.000 χ^2/NDF: 36885523680.3/35

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

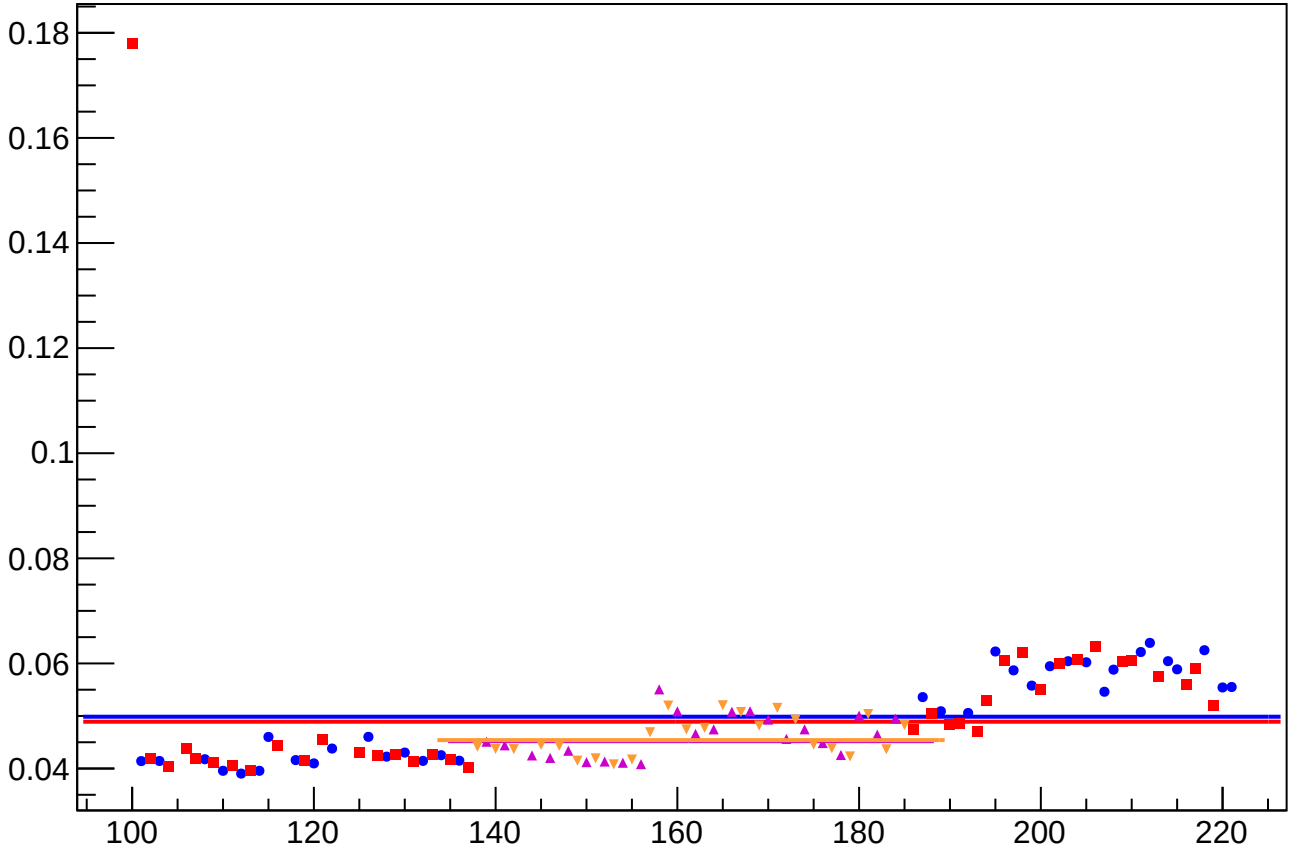
Right: -27.372+/-0.000 χ^2/NDF: 67521117214.7/69

In: -26.041+/-0.000 χ^2/NDF:71928148043.3/56

Out: -25.916+/-0.000 χ^2/NDF:77441455722.6/59

All: -25.979+/-0.000 χ^2/NDF: 149503765861

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: 1120946.8/35

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

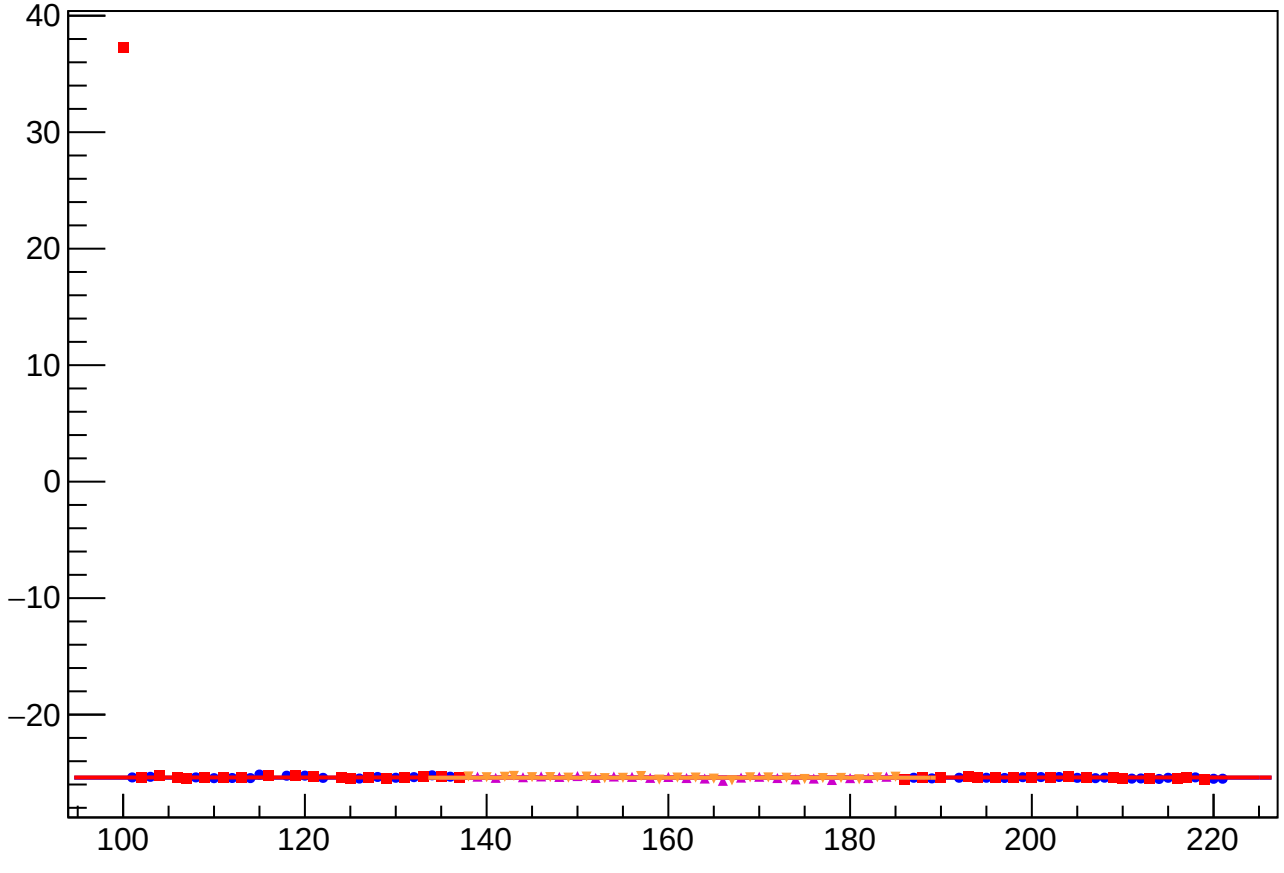
Right: 0.049+/-0.000 χ^2/NDF: 2340493.3/69

In: 0.047+/-0.000 χ^2/NDF:1641485.0/56

Out: 0.047+/-0.000 χ^2/NDF:1431857.4/59

All: 0.047+/-0.000 χ^2/NDF: 3075502.4/116

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: -25.394+/-0.000 χ^2/NDF: 6354639213.3/35

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

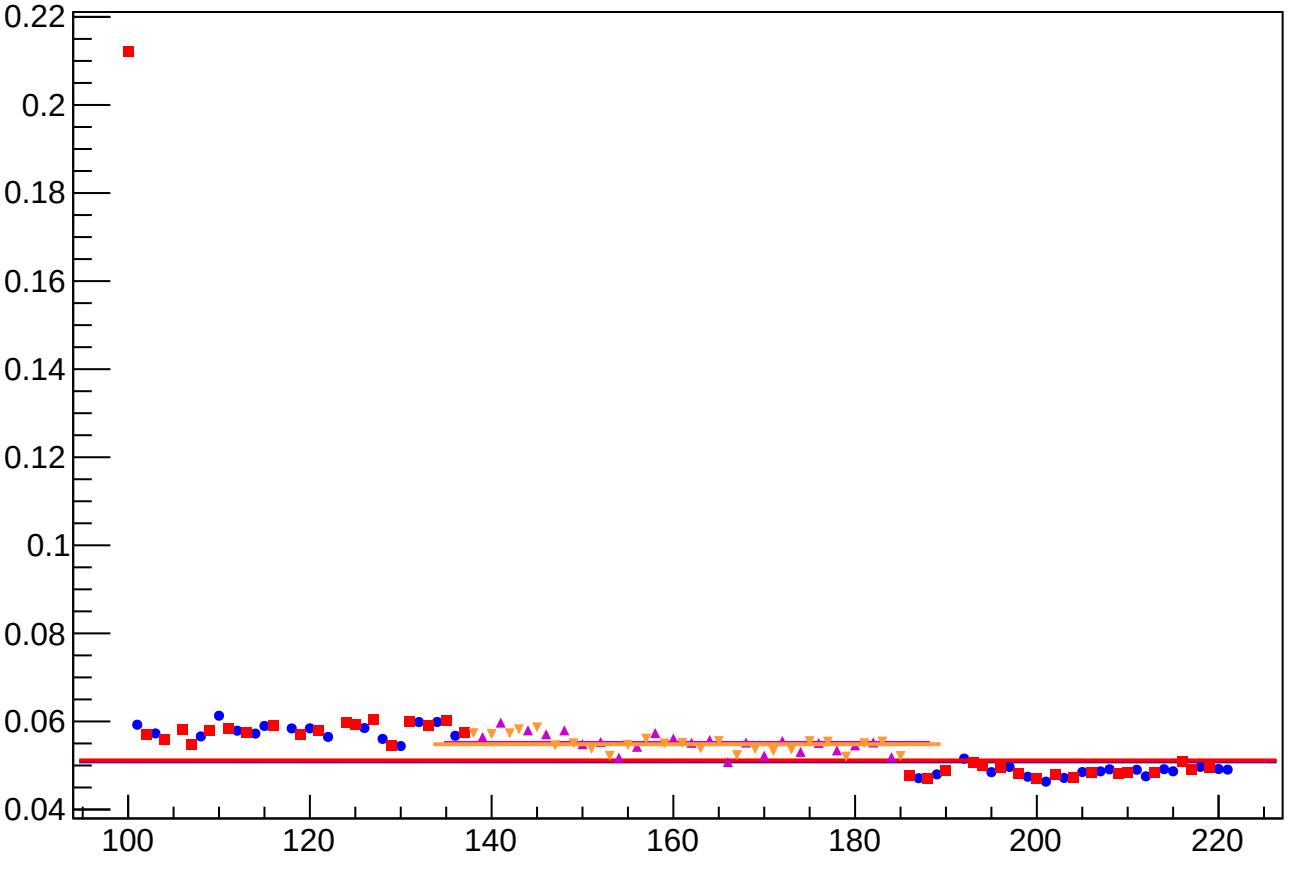
Right: -25.406+/-0.000 χ^2/NDF: 6395194443.1/69

In: -25.416+/-0.000 χ^2/NDF:94404433.6/56

Out: -25.404+/-0.000 χ^2/NDF:6408593820.1/60

All: -25.410+/-0.000 χ^2/NDF: 6503925500.0/

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: 381234.7/35

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

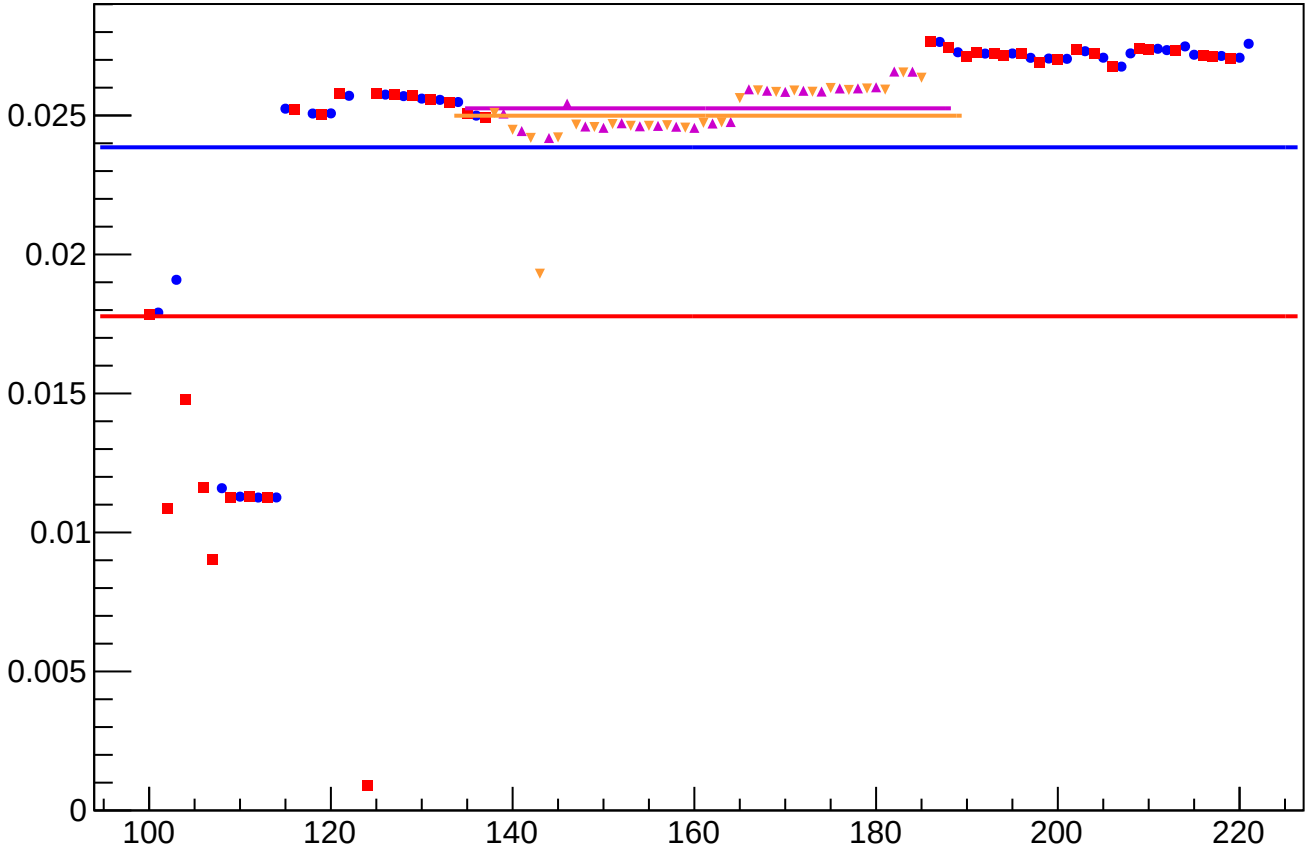
Right: 0.051+/-0.000 χ^2/NDF: 667307.6/69

In: 0.053+/-0.000 χ^2/NDF:456340.1/56

Out: 0.053+/-0.000 χ^2/NDF:513459.9/60

All: 0.053+/-0.000 χ^2/NDF: 969945.2/117

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: 505889219224.1/36

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

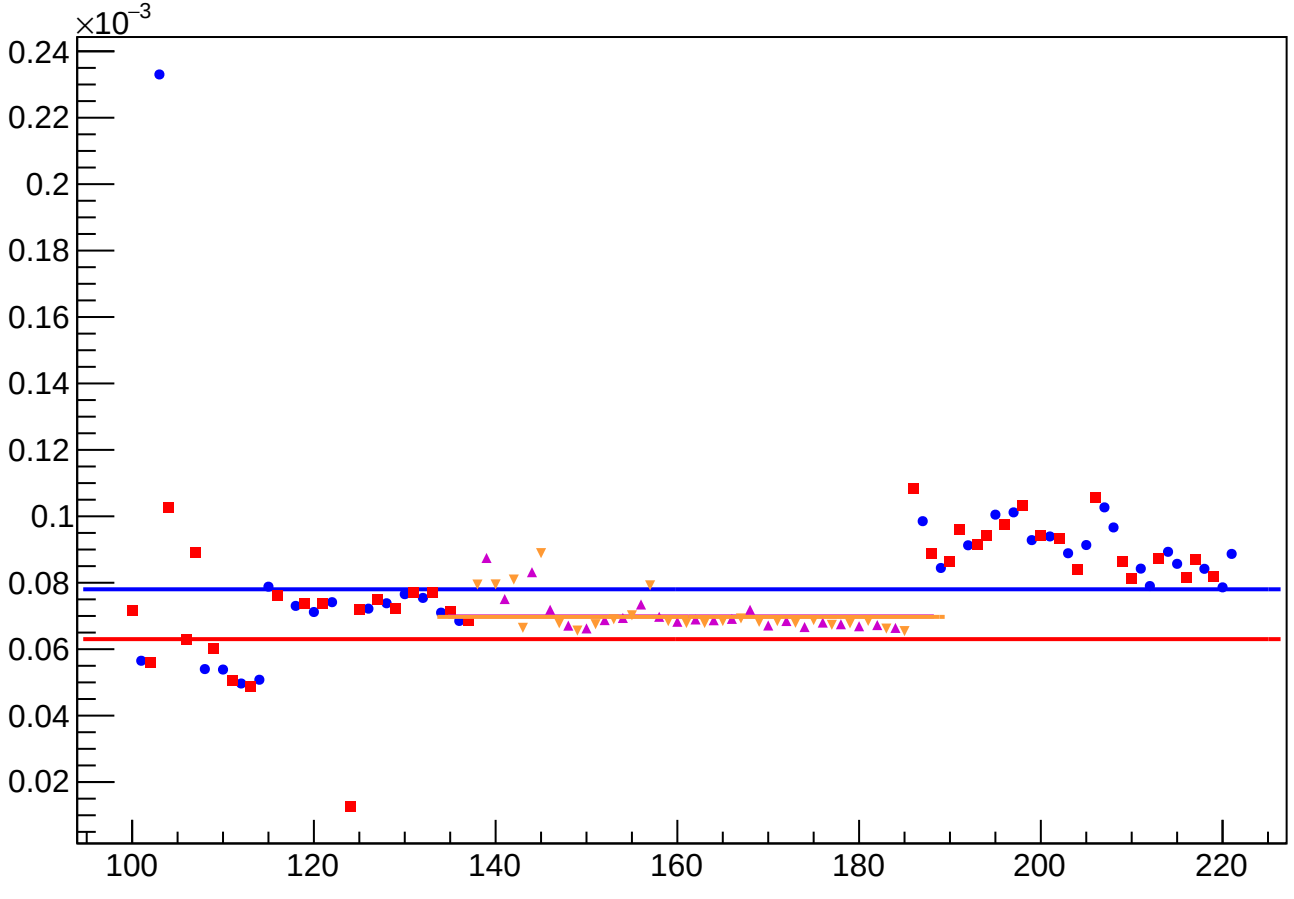
Right: 0.020+/-0.000 χ^2/NDF: 682153388563.5/70

In: 0.025+/-0.000 χ^2/NDF:112396255951.0/56

Out: 0.021+/-0.000 χ^2/NDF:619149403711.6/61

All: 0.023+/-0.000 χ^2/NDF: 773761429217.6

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: 8073829.4/36

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

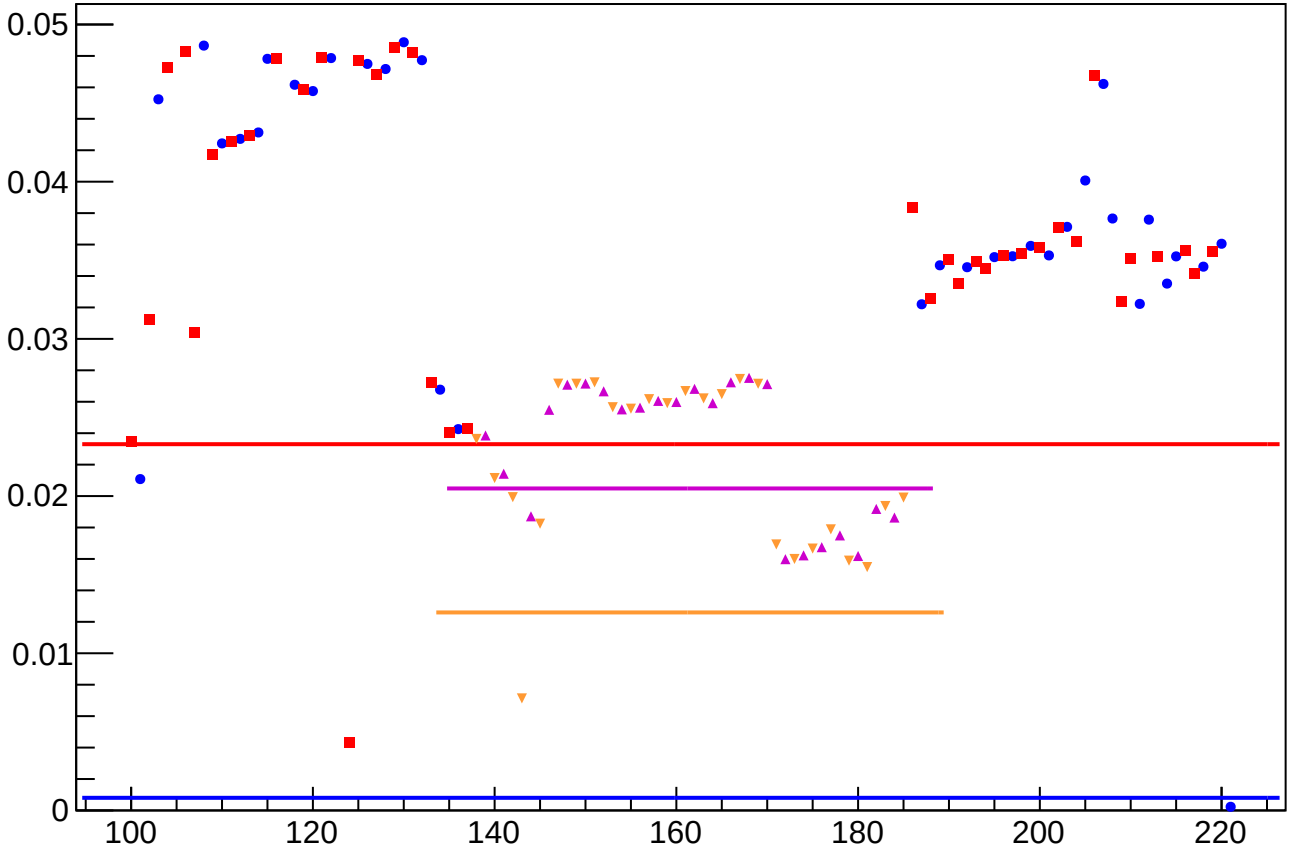
Right: 0.000+/-0.000 χ^2/NDF: 10907510.3/70

In: 0.000+/-0.000 χ^2/NDF:2377205.7/56

Out: 0.000+/-0.000 χ^2/NDF:8443848.0/61

All: 0.000+/-0.000 χ^2/NDF: 11248299.8/118

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: 0.023+/-0.000 χ^2/NDF: 48519699121.8/36

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

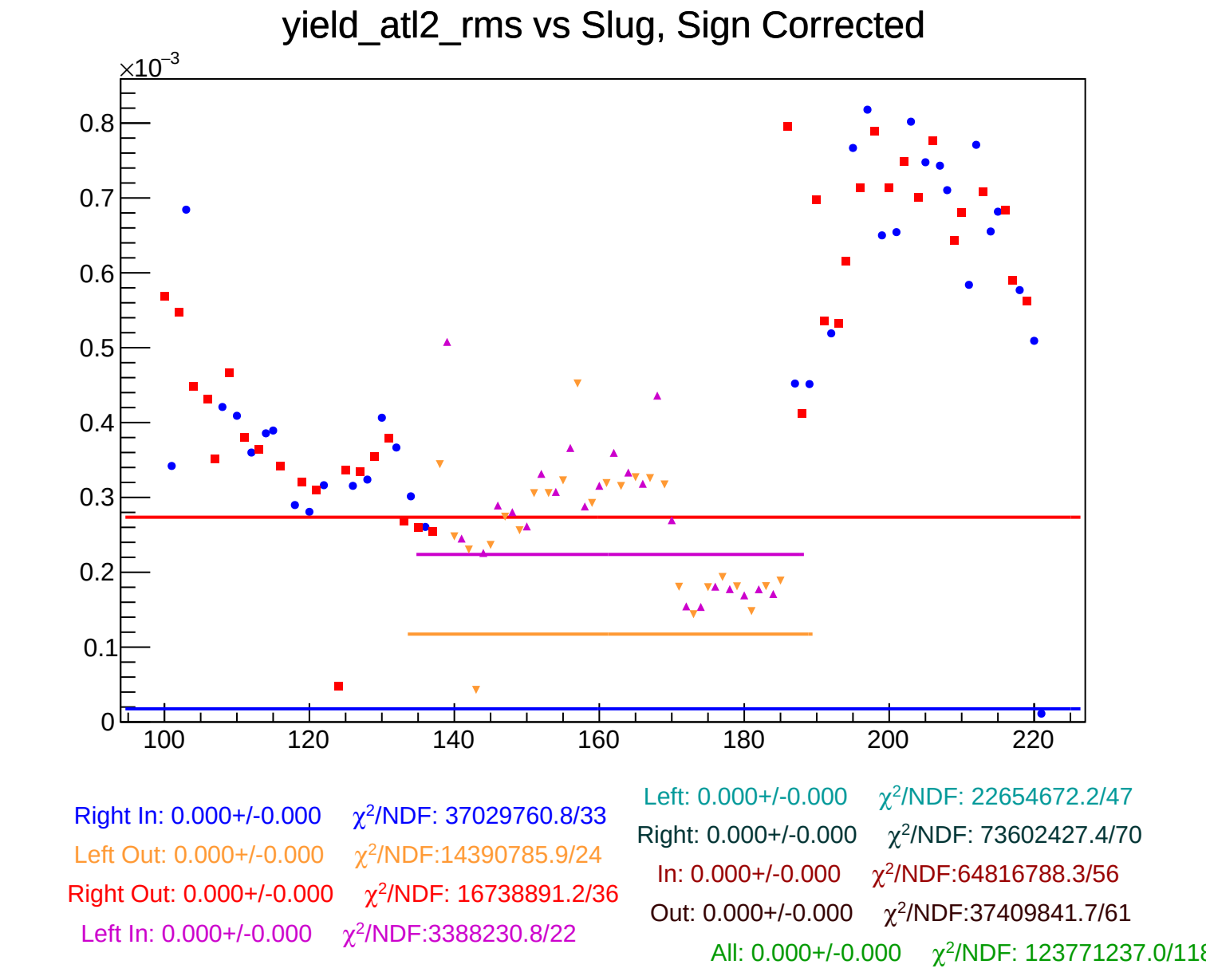
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

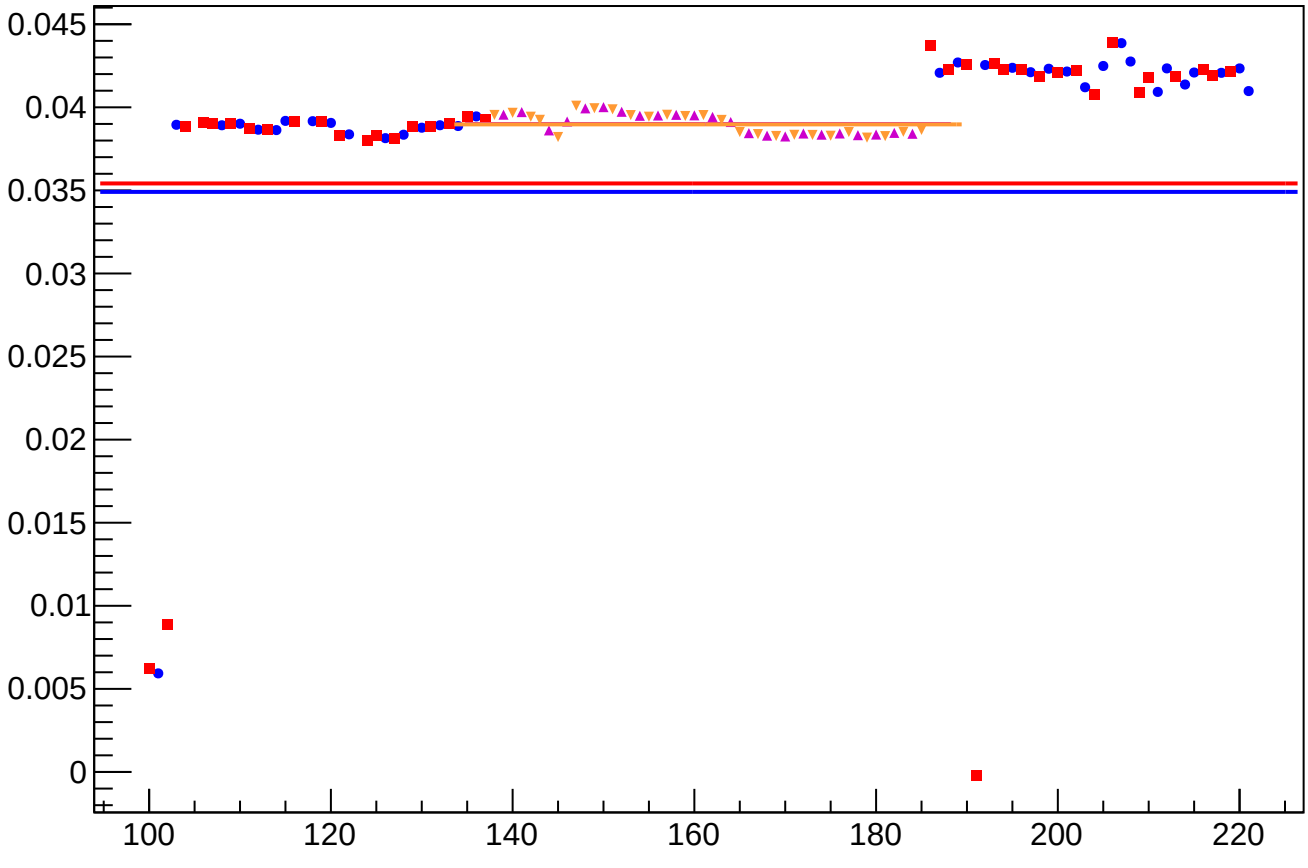
Right: 0.001+/-0.000 χ^2/NDF: 257416197760.3/70

In: 0.002+/-0.000 χ^2/NDF:249504741909.4/56

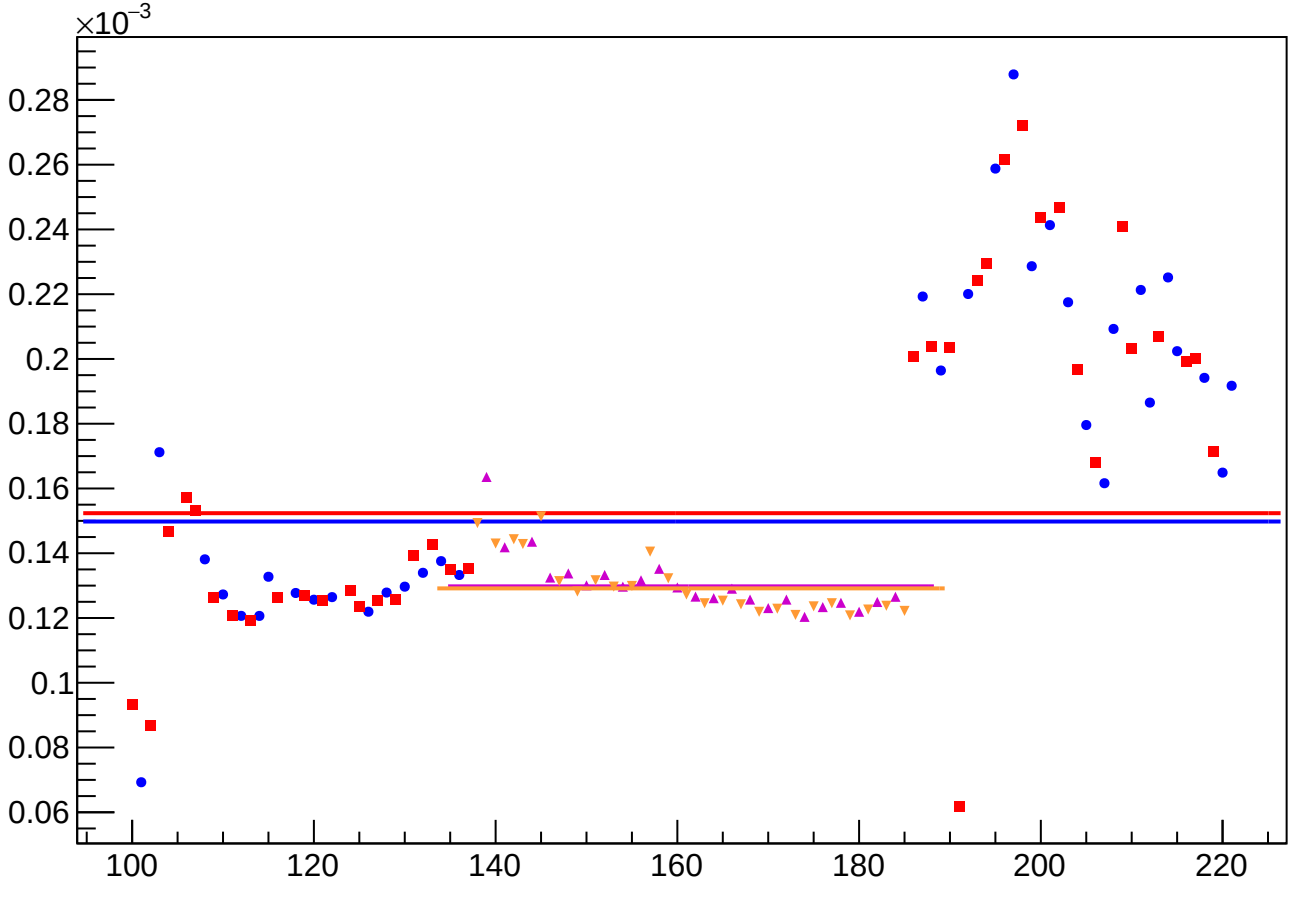
Out: 0.014+/-0.000 χ^2/NDF:100616732246.8/61

All: 0.003+/-0.000 χ^2/NDF: 477541537212.7


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
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: 37029760.8/33
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 16738891.2/36
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 73602427.4/70
In: 0.000+/-0.000 χ²/NDF:64816788.3/56
Out: 0.000+/-0.000 χ²/NDF:37409841.7/61
All: 0.000+/-0.000 χ²/NDF: 123771237.0/118


yield_atr1_mean vs Slug, Sign Corrected
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.035+/-0.000 χ²/NDF: 139149992111.4/33
Left Out: 0.039+/-0.000 χ²/NDF:477670162.8/24
Right Out: 0.035+/-0.000 χ²/NDF: 124871488387.1/36
Left In: 0.039+/-0.000 χ²/NDF:408808029.6/22
Left: 0.039+/-0.000 χ²/NDF: 886762060.9/47
Right: 0.035+/-0.000 χ²/NDF: 264127791820.2/70
In: 0.037+/-0.000 χ²/NDF:147435569664.9/56
Out: 0.038+/-0.000 χ²/NDF:131256449331.5/61
All: 0.037+/-0.000 χ²/NDF: 278793339390.9

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: 4139734.6/36

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

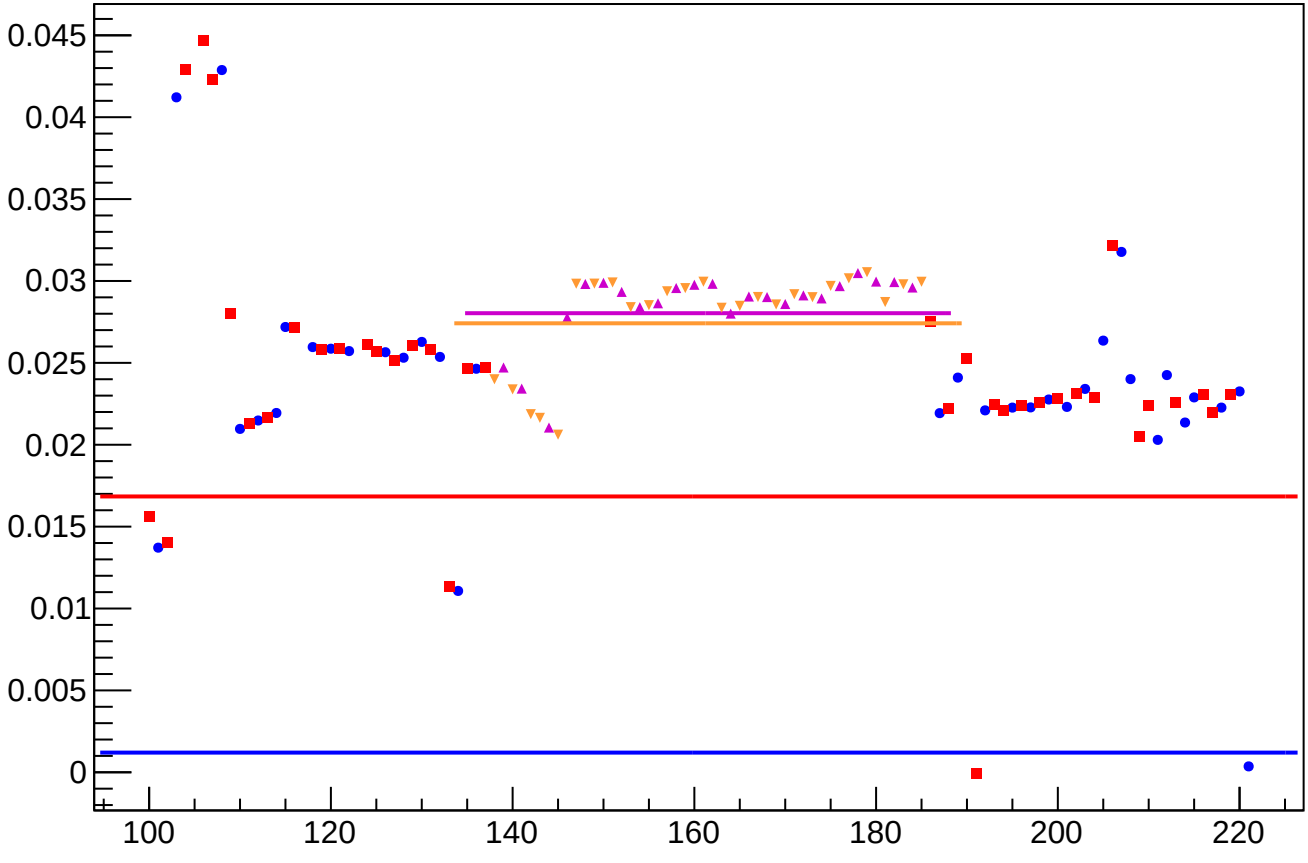
Right: 0.000+/-0.000 χ^2/NDF: 8723184.7/70

In: 0.000+/-0.000 χ^2/NDF:5098183.0/56

Out: 0.000+/-0.000 χ^2/NDF:4801688.2/61

All: 0.000+/-0.000 χ^2/NDF: 9899880.2/118

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: 0.017+/-0.000 χ^2/NDF: 26075089380.5/36

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

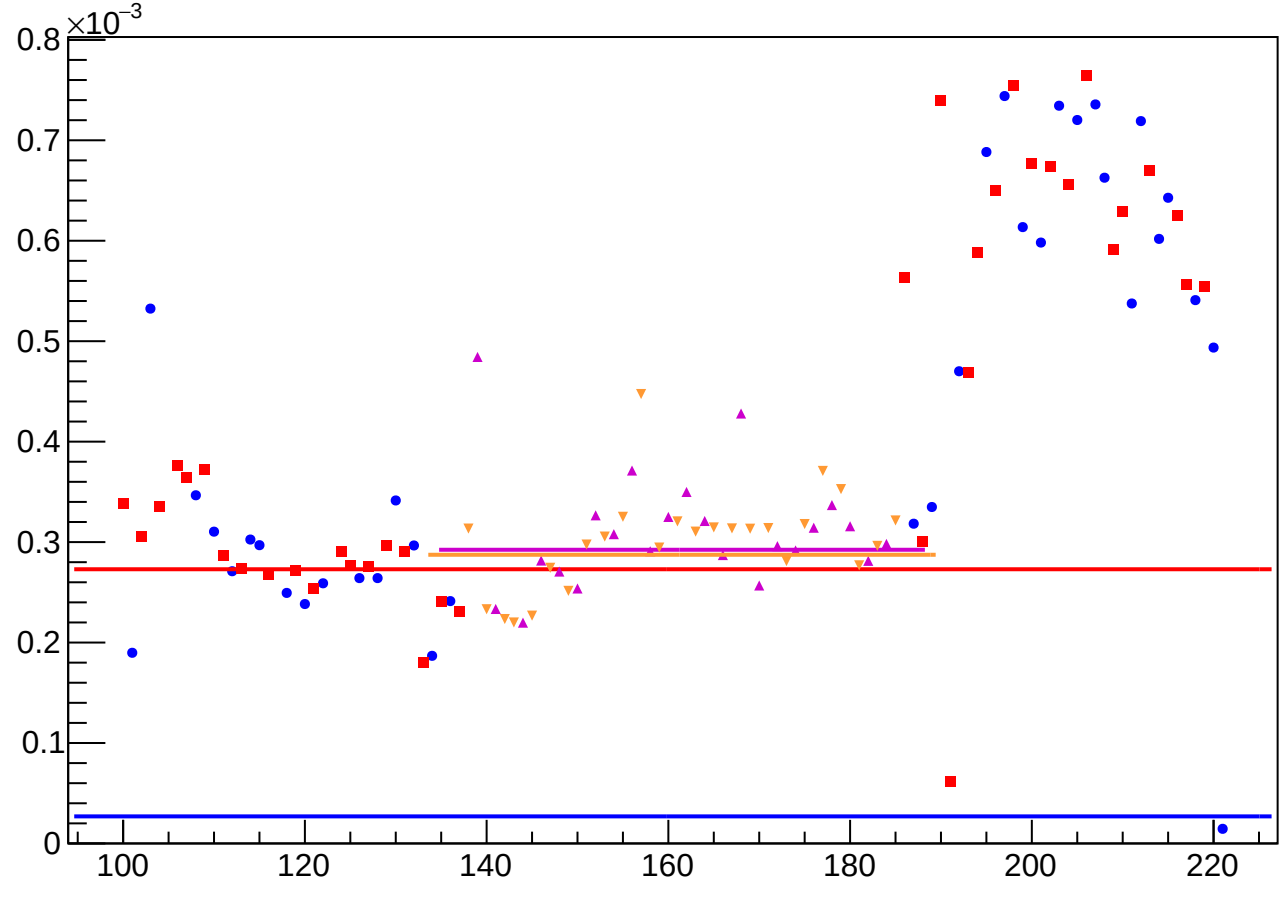
Right: 0.002+/-0.000 χ^2/NDF: 138125185817.1/70

In: 0.003+/-0.000 χ^2/NDF:203175507627.2/56

Out: 0.022+/-0.000 χ^2/NDF:39113728850.1/61

All: 0.004+/-0.000 χ^2/NDF: 382146836794.8

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: 12808961.3/36

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

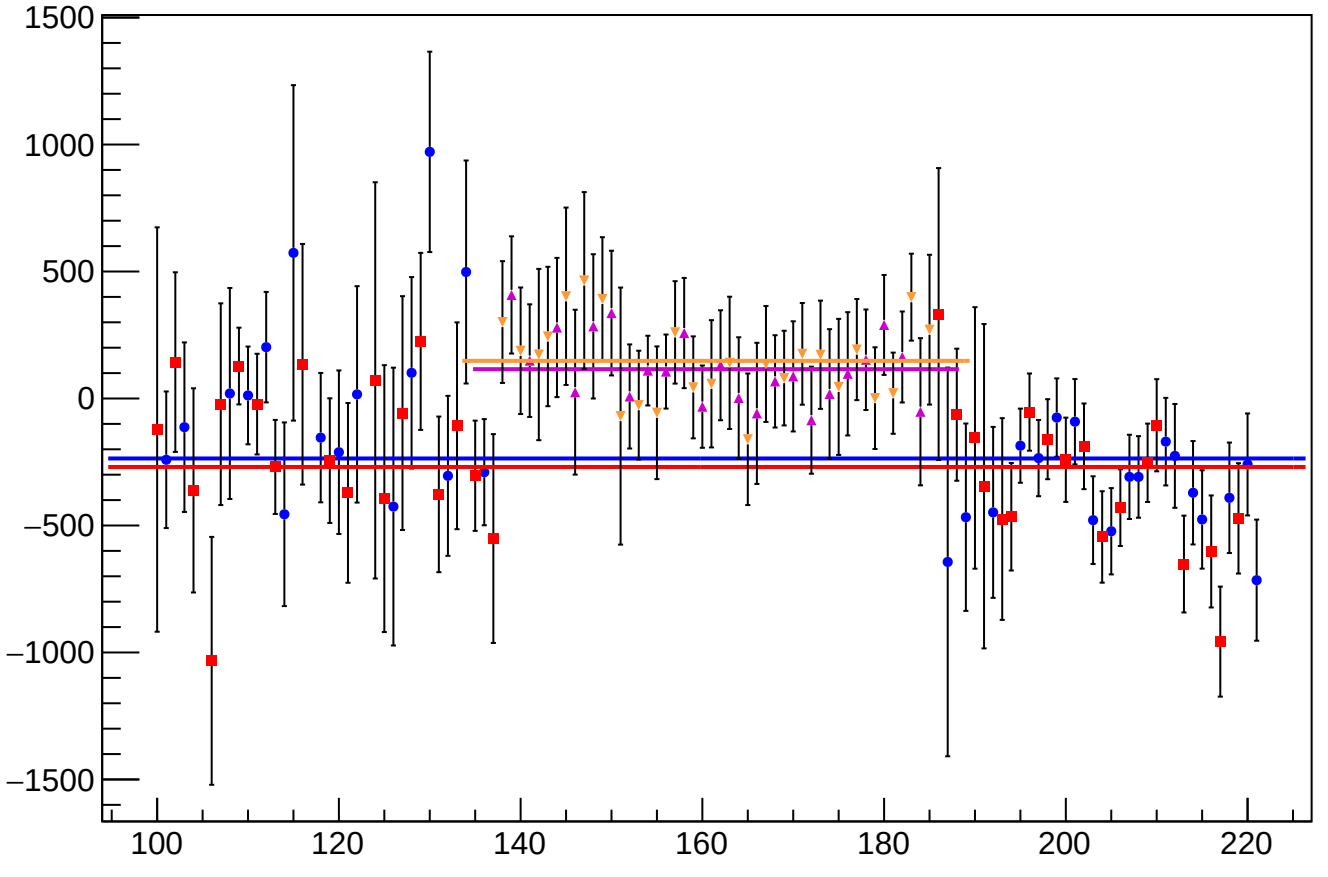
Right: 0.000+/-0.000 χ^2/NDF: 69044487.0/70

In: 0.000+/-0.000 χ^2/NDF:62152833.1/56

Out: 0.000+/-0.000 χ^2/NDF:13670627.3/61

All: 0.000+/-0.000 χ^2/NDF: 116479337.4/118

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: -269.581+/-38.886 χ^2/NDF: 44.1/36

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

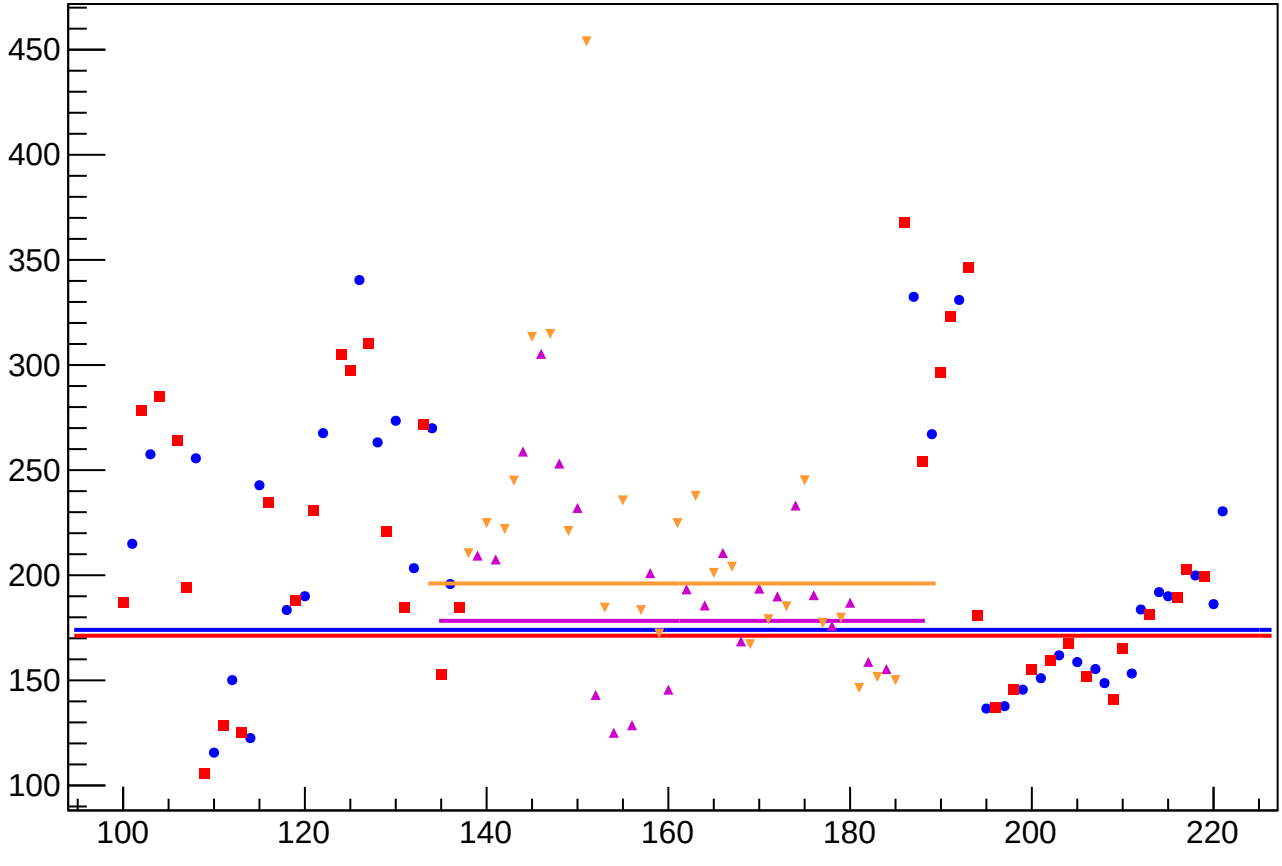
Right: -252.692+/-27.364 χ^2/NDF: 81.1/70

In: -81.884+/-28.856 χ^2/NDF:81.0/56

Out: -96.396+/-29.755 χ^2/NDF:102.3/61

All: -88.917+/-20.715 χ^2/NDF: 183.4/118

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: 171.243+/-0.027 χ^2/NDF: 3110952.2/36

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

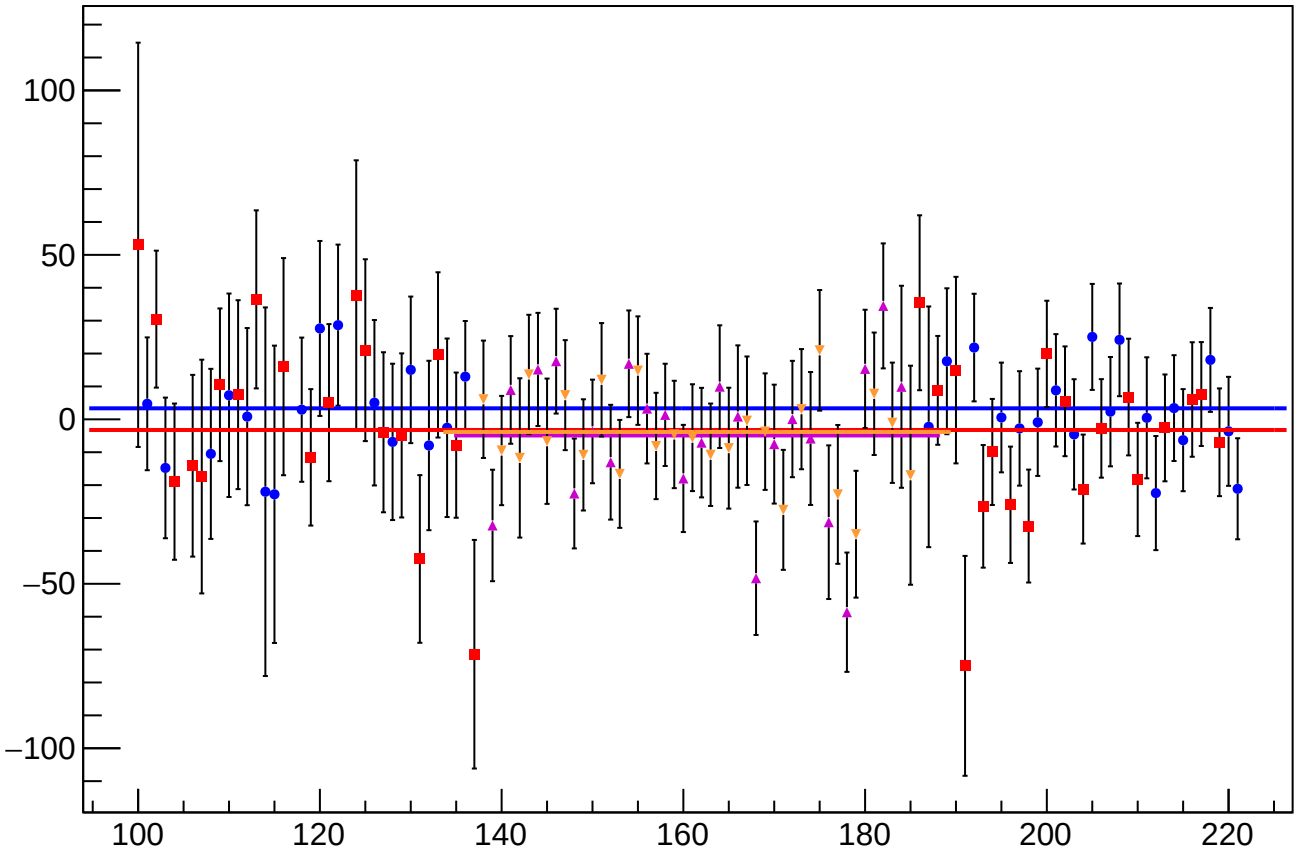
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 172.644+/-0.019 χ^2/NDF: 5611776.7/70

In: 175.904+/-0.020 χ^2/NDF:4184949.5/56

Out: 181.540+/-0.021 χ^2/NDF:5267800.7/61

All: 178.636+/-0.015 χ^2/NDF: 9489717.1/118



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: -3.236+/-3.440 χ^2/NDF: 35.6/36

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

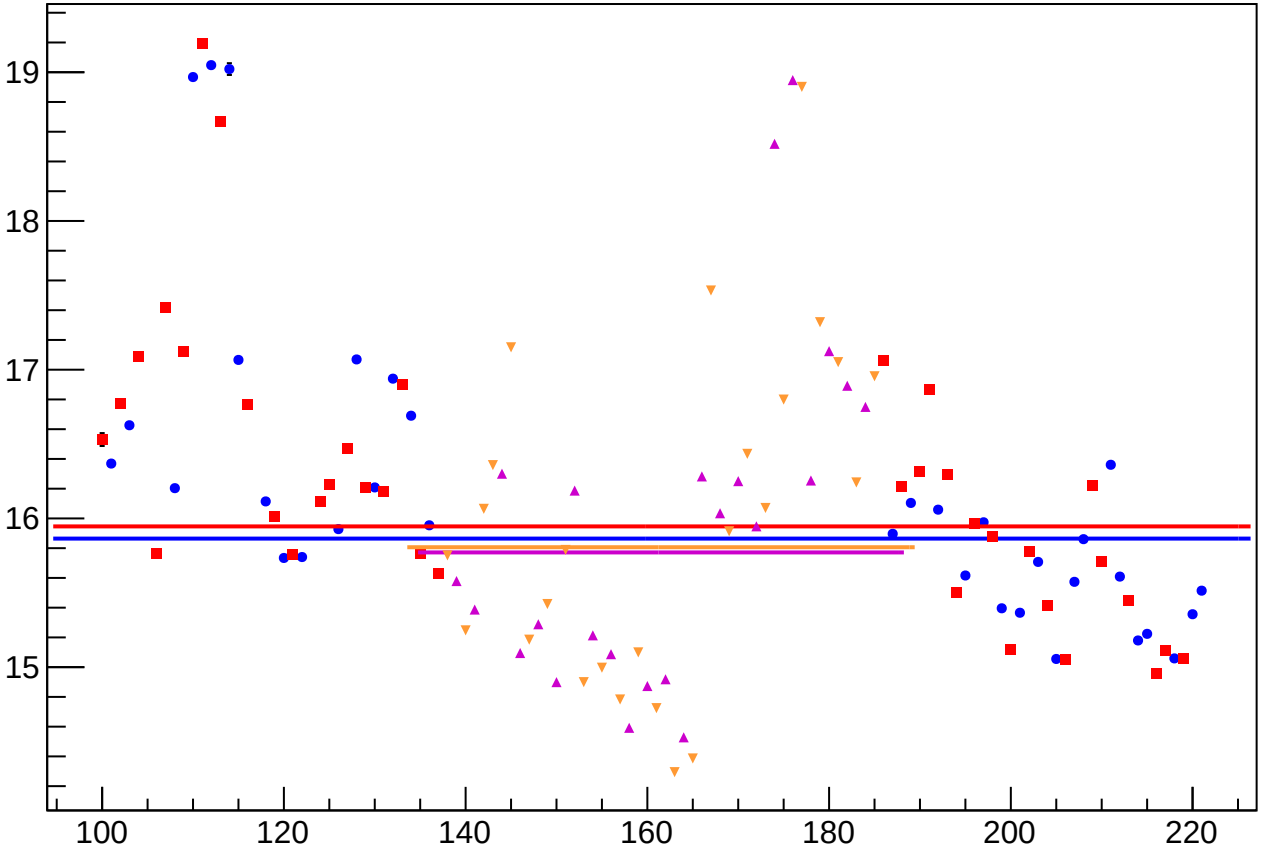
Right: 0.113+/-2.411 χ^2/NDF: 53.8/70

In: -0.412+/-2.495 χ^2/NDF:52.9/56

Out: -3.521+/-2.488 χ^2/NDF:48.5/61

All: -1.971+/-1.762 χ^2/NDF: 102.2/118

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: 15.946+/-0.002 χ^2/NDF: 111920.4/36

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

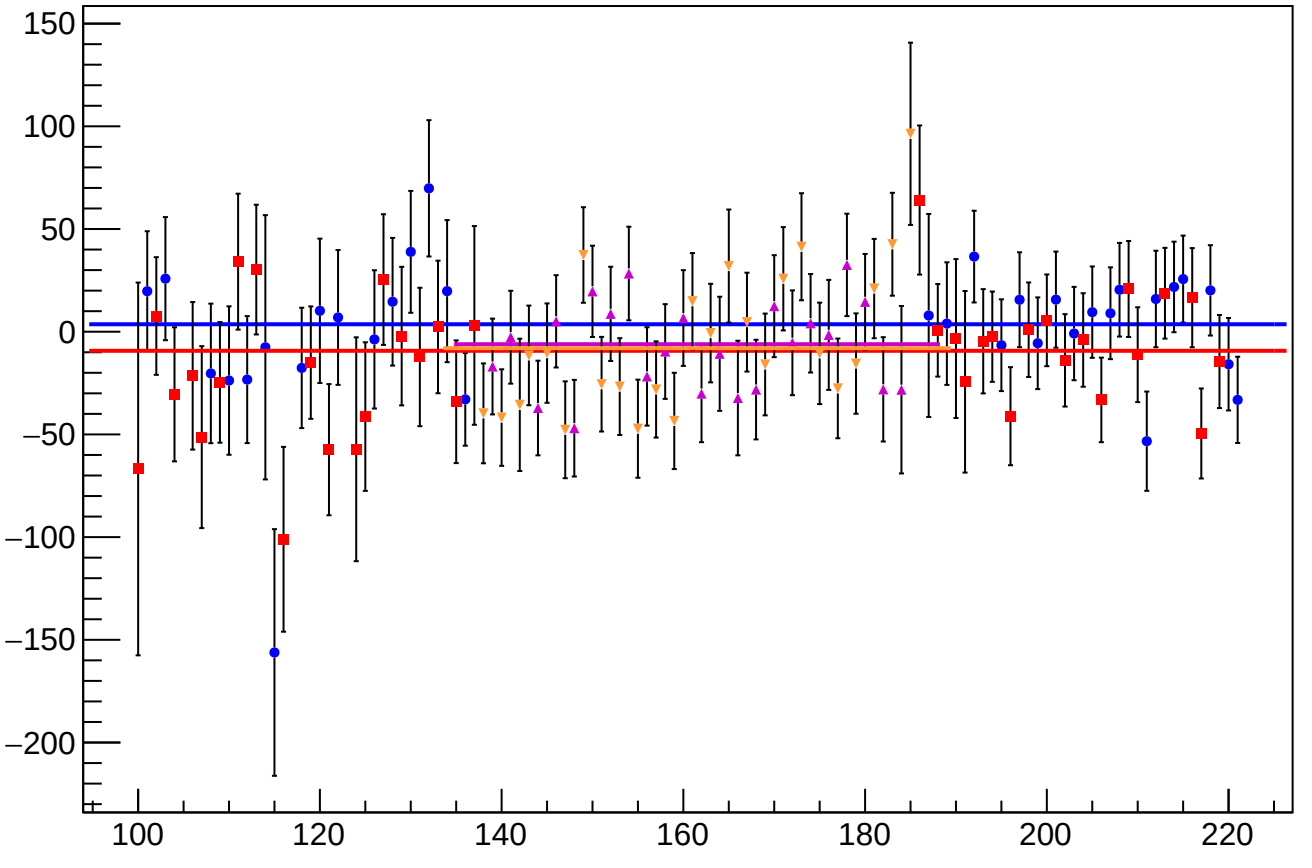
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 15.905+/-0.002 χ^2/NDF: 211117.9/70

In: 15.822+/-0.002 χ^2/NDF:251446.7/56

Out: 15.880+/-0.002 χ^2/NDF:286152.7/61

All: 15.851+/-0.001 χ^2/NDF: 538132.5/118



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: -9.285+/-4.625 χ^2/NDF: 32.2/36

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

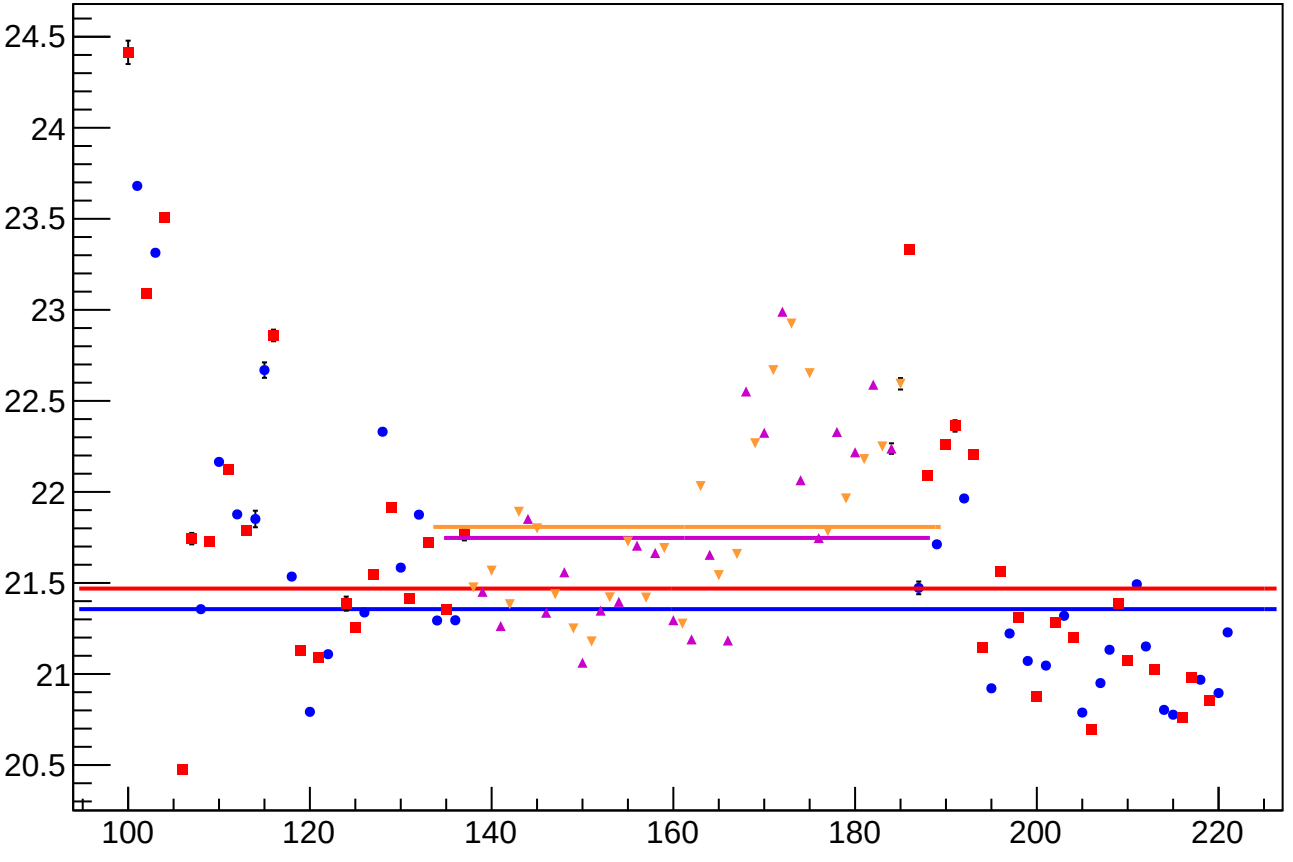
Right: -2.713+/-3.242 χ^2/NDF: 70.7/70

In: -0.687+/-3.387 χ^2/NDF:54.5/56

Out: -8.694+/-3.381 χ^2/NDF:71.1/61

All: -4.698+/-2.393 χ^2/NDF: 128.3/118

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: 21.469+/-0.003 χ^2/NDF: 43181.9/36

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

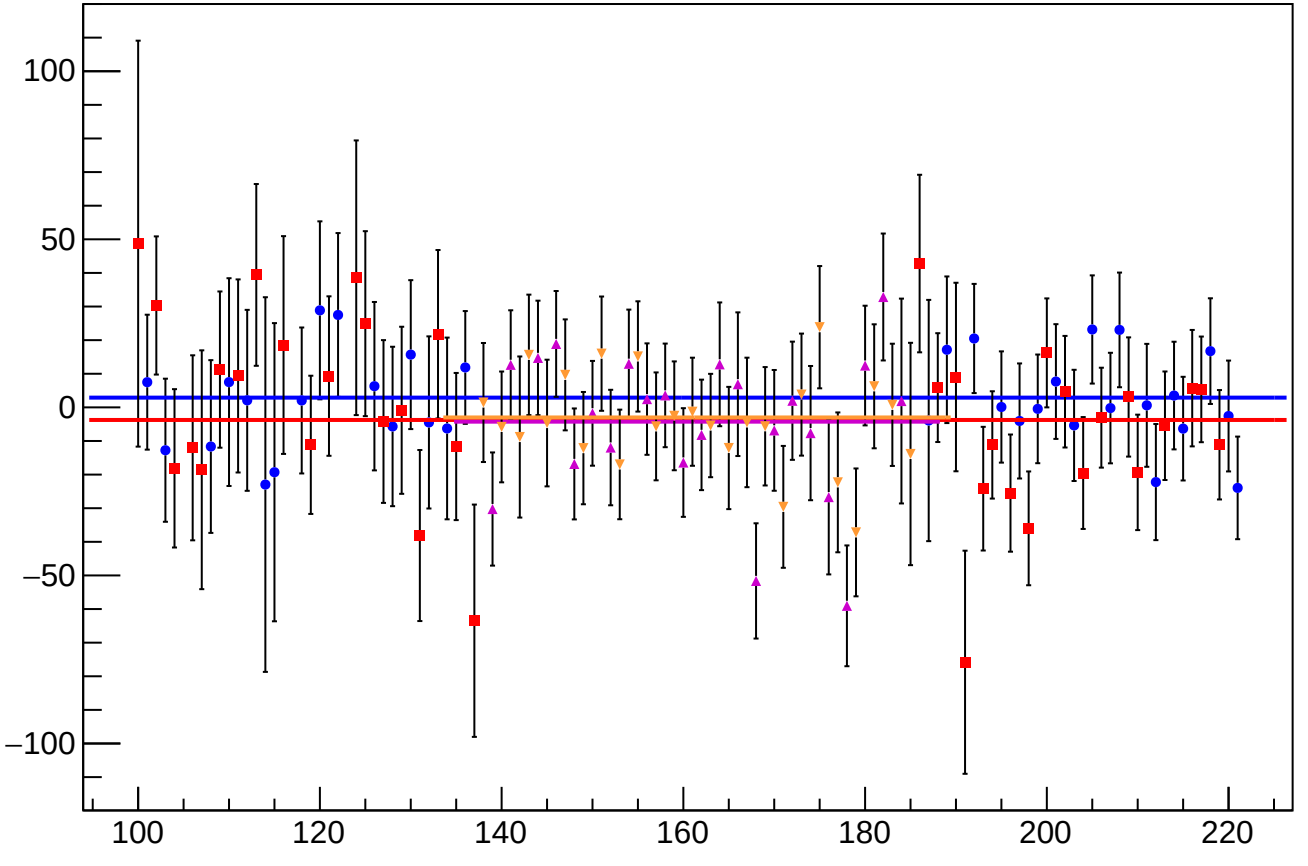
Right: 21.412+/-0.002 χ^2/NDF: 80886.7/70

In: 21.530+/-0.002 χ^2/NDF:64241.2/56

Out: 21.627+/-0.002 χ^2/NDF:65729.8/61

All: 21.579+/-0.002 χ^2/NDF: 130787.6/118

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: -3.746+/-3.418 χ^2/NDF: 35.9/36

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

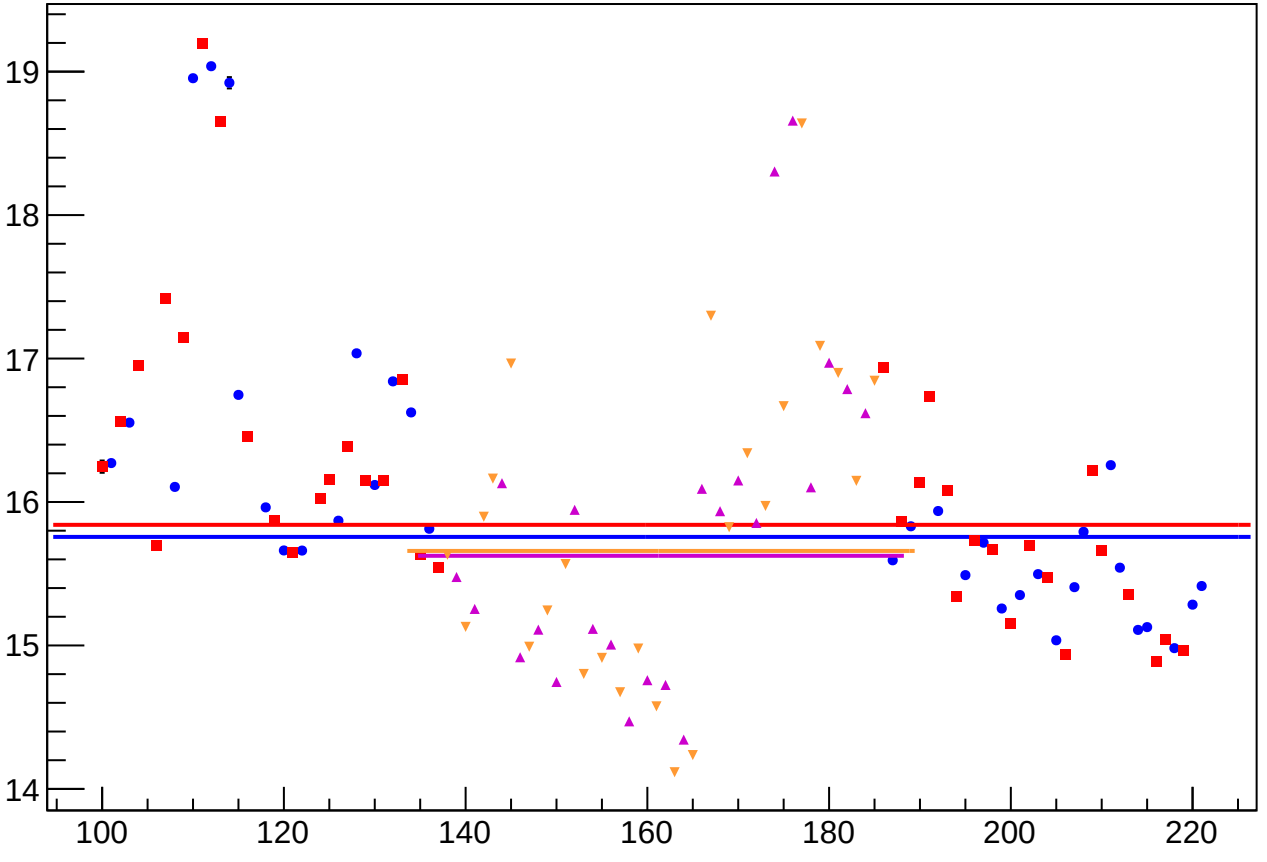
Right: -0.366+/-2.395 χ^2/NDF: 53.8/70

In: -0.368+/-2.475 χ^2/NDF:51.9/56

Out: -3.390+/-2.468 χ^2/NDF:50.5/61

All: -1.883+/-1.748 χ^2/NDF: 103.2/118

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: 15.841+/-0.002 χ^2/NDF: 112426.5/36

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

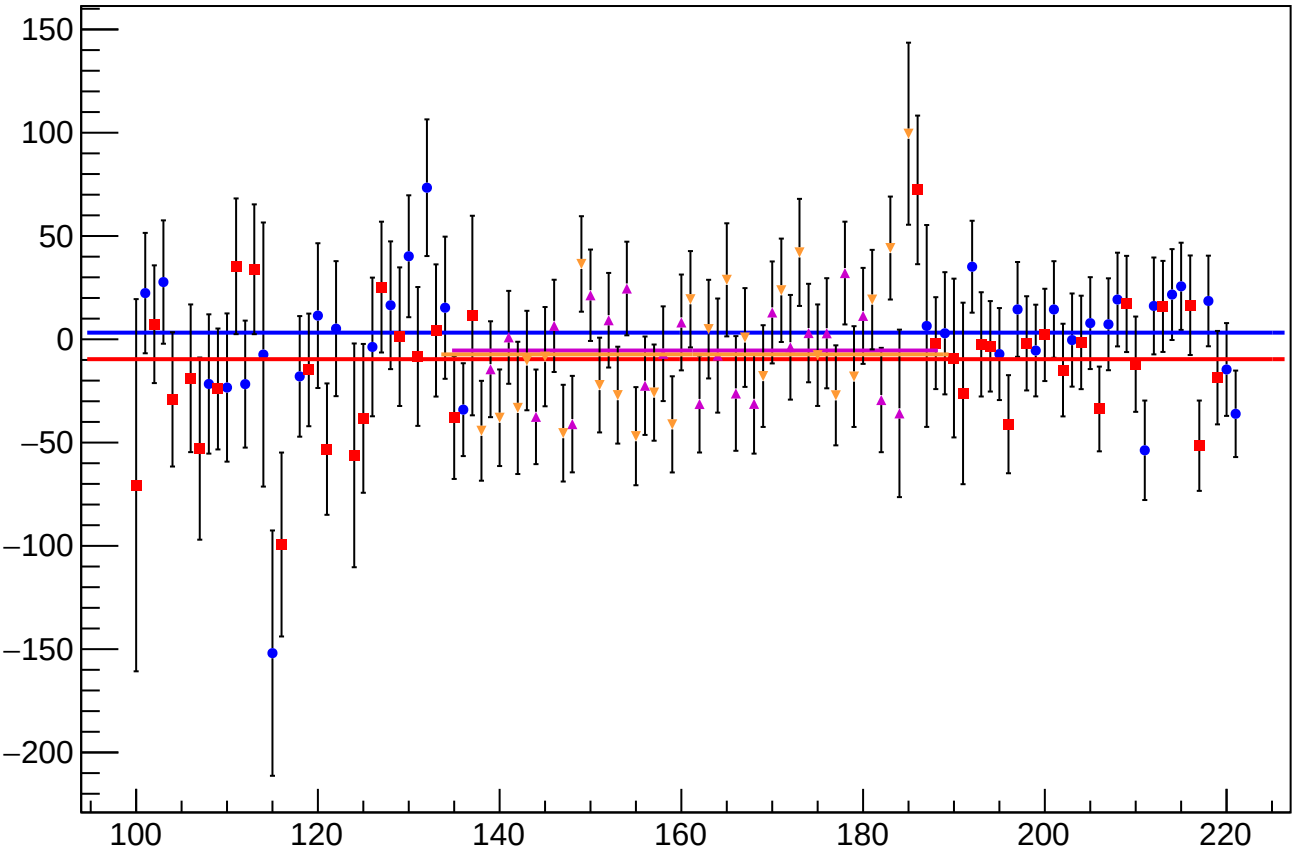
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 15.798+/-0.002 χ^2/NDF: 213618.3/70

In: 15.696+/-0.002 χ^2/NDF:252411.4/56

Out: 15.754+/-0.002 χ^2/NDF:284974.4/61

All: 15.725+/-0.001 χ^2/NDF: 537923.2/118



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: -9.622+/-4.604 χ^2/NDF: 33.2/36

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

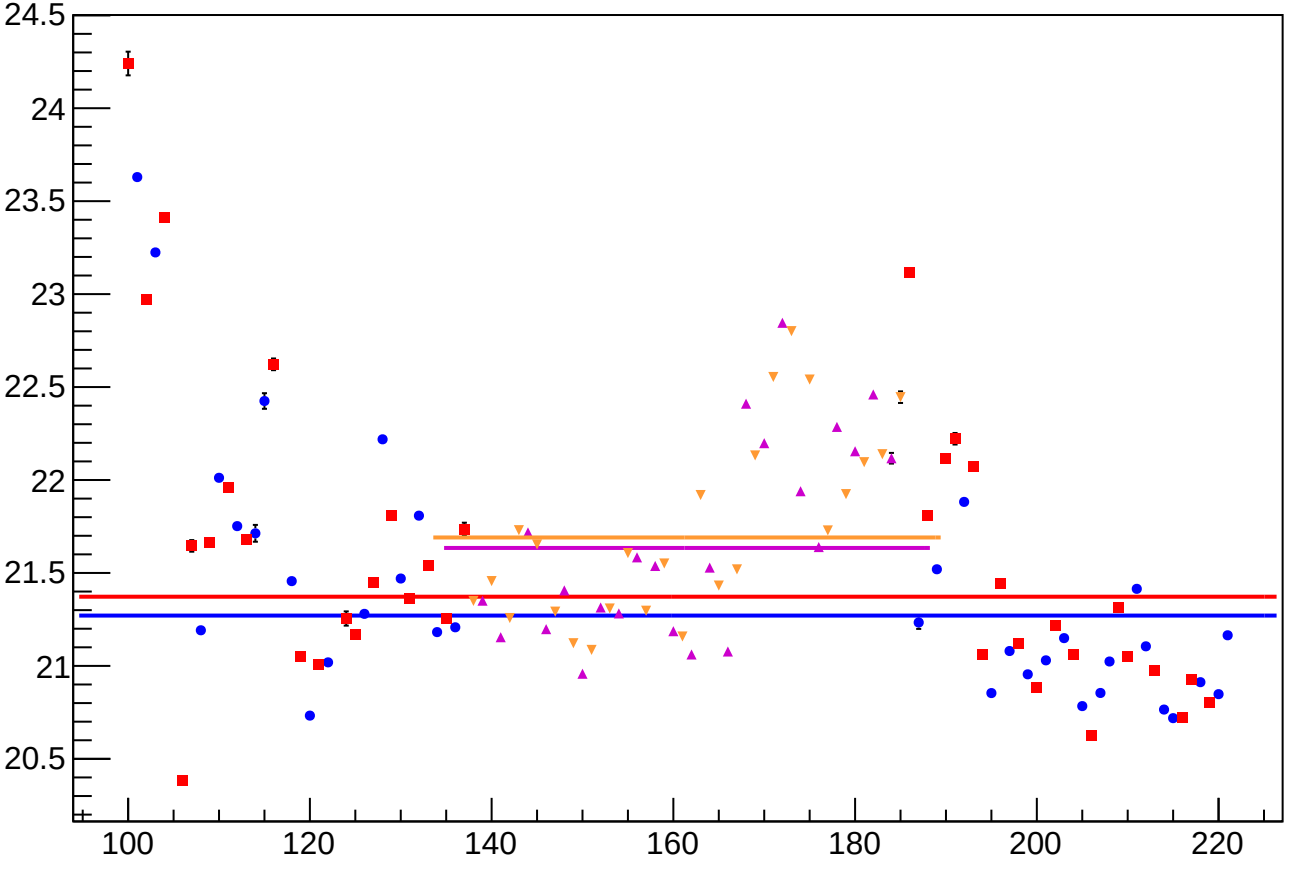
Right: -3.095+/-3.228 χ^2/NDF: 72.5/70

In: -0.635+/-3.372 χ^2/NDF:54.2/56

Out: -8.549+/-3.365 χ^2/NDF:71.9/61

All: -4.600+/-2.382 χ^2/NDF: 128.9/118

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: 21.372+/-0.003 χ^2/NDF: 39405.8/36

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

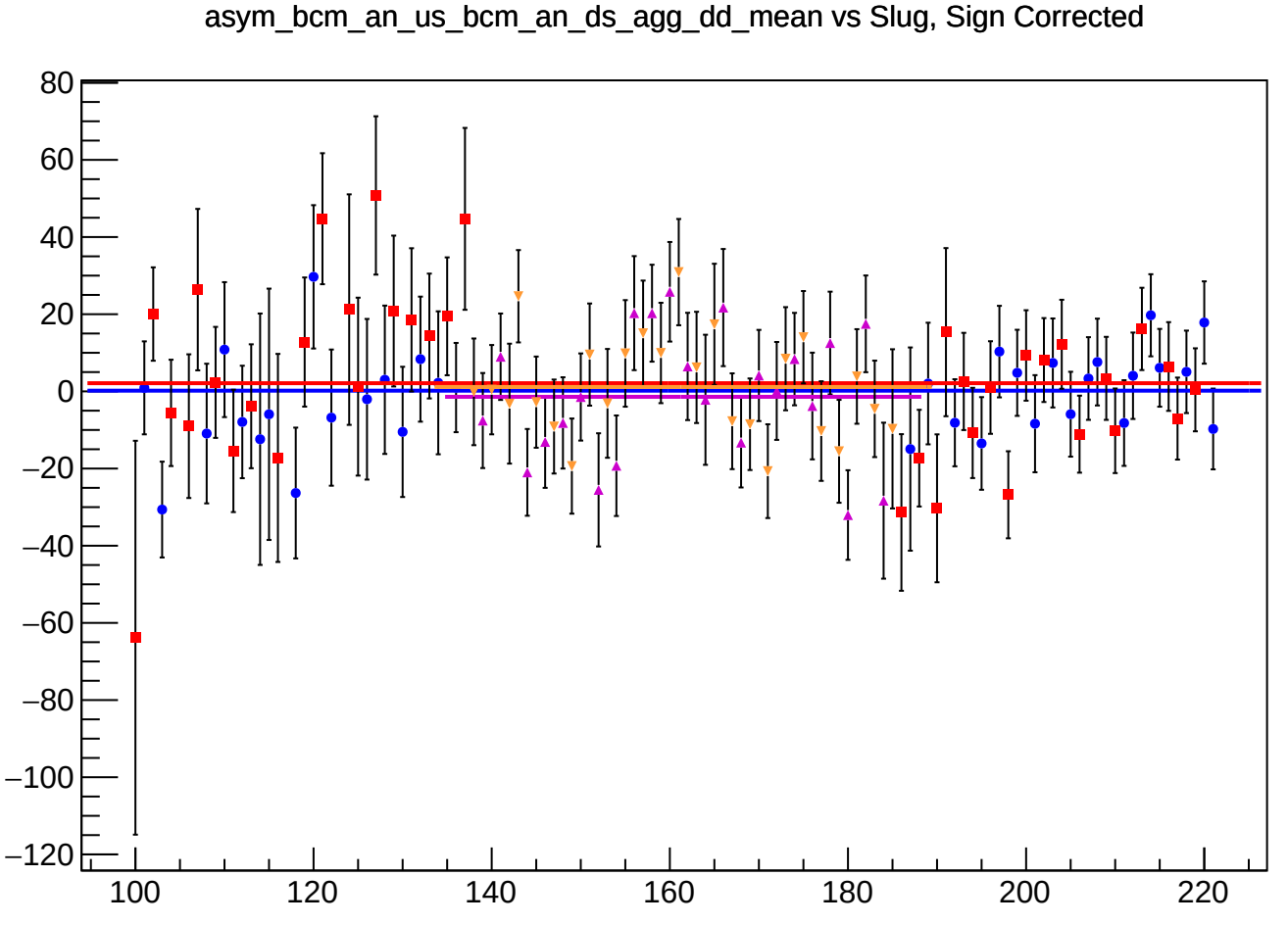
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.321+/-0.002 χ^2/NDF: 75925.0/70

In: 21.433+/-0.002 χ^2/NDF:62336.4/56

Out: 21.521+/-0.002 χ^2/NDF:61804.2/61

All: 21.477+/-0.002 χ^2/NDF: 124823.4/118



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: 2.121+/-2.320 χ^2/NDF: 50.6/36

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

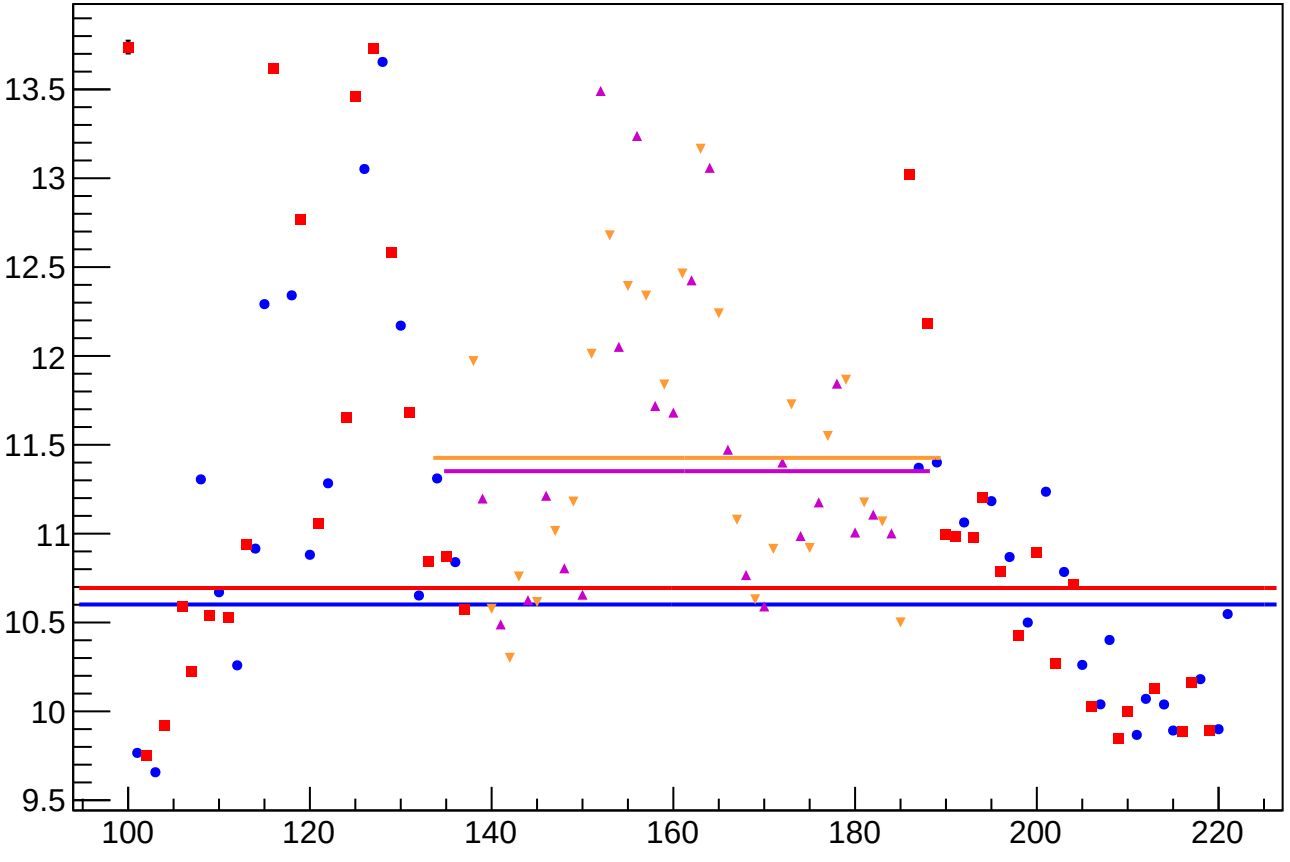
Right: 1.131+/-1.622 χ^2/NDF: 77.2/70

In: -0.482+/-1.730 χ^2/NDF:62.8/56

Out: 1.689+/-1.737 χ^2/NDF:75.2/61

All: 0.599+/-1.226 χ^2/NDF: 138.8/118

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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: 10.694+/-0.002 χ^2/NDF: 308500.1/36

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

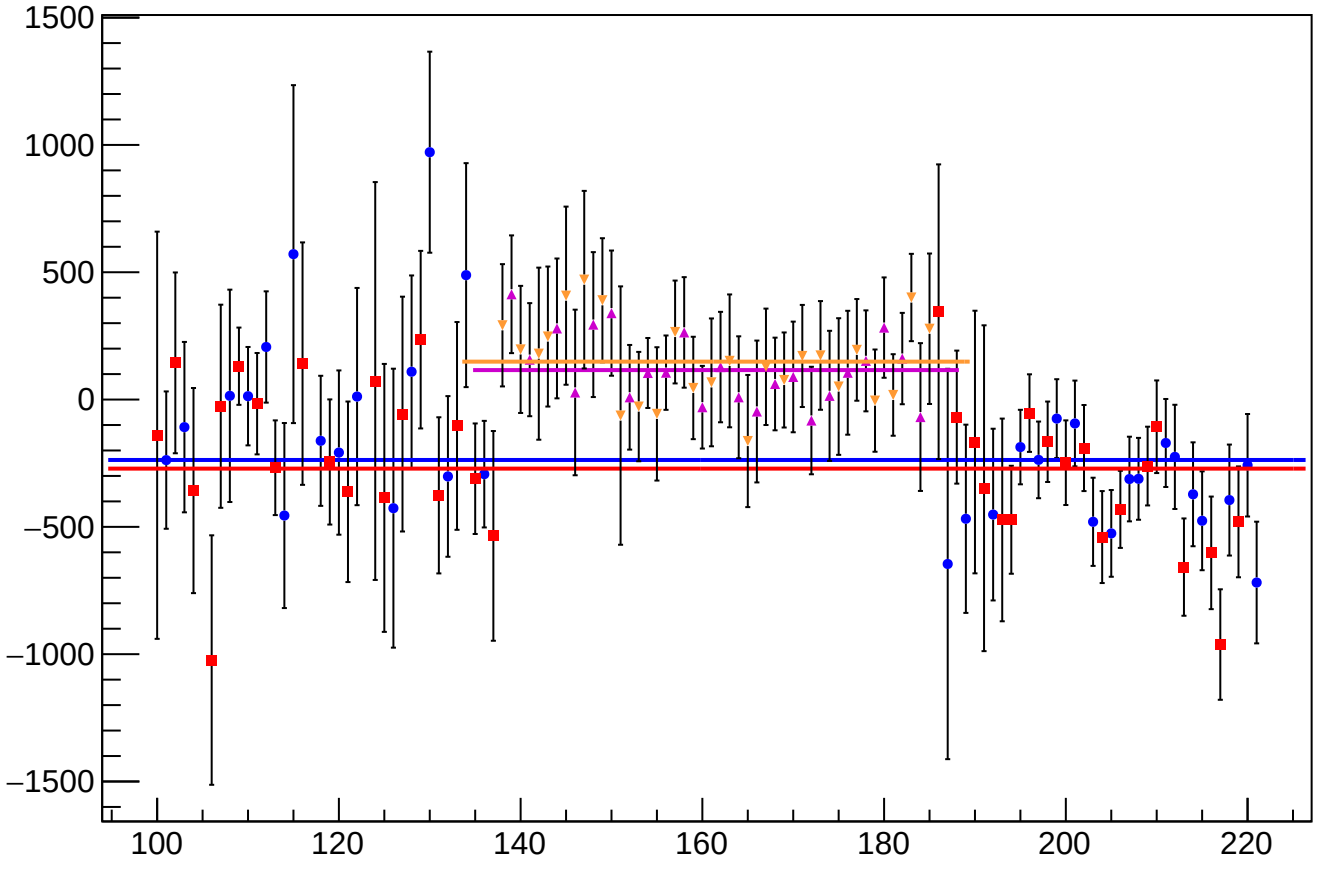
Right: 10.647+/-0.001 χ^2/NDF: 535065.2/70

In: 10.916+/-0.001 χ^2/NDF:487041.9/56

Out: 11.016+/-0.001 χ^2/NDF:553046.8/61

All: 10.966+/-0.001 χ^2/NDF: 1043450.3/118

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: -271.248+/-38.988 χ^2/NDF: 44.2/36

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

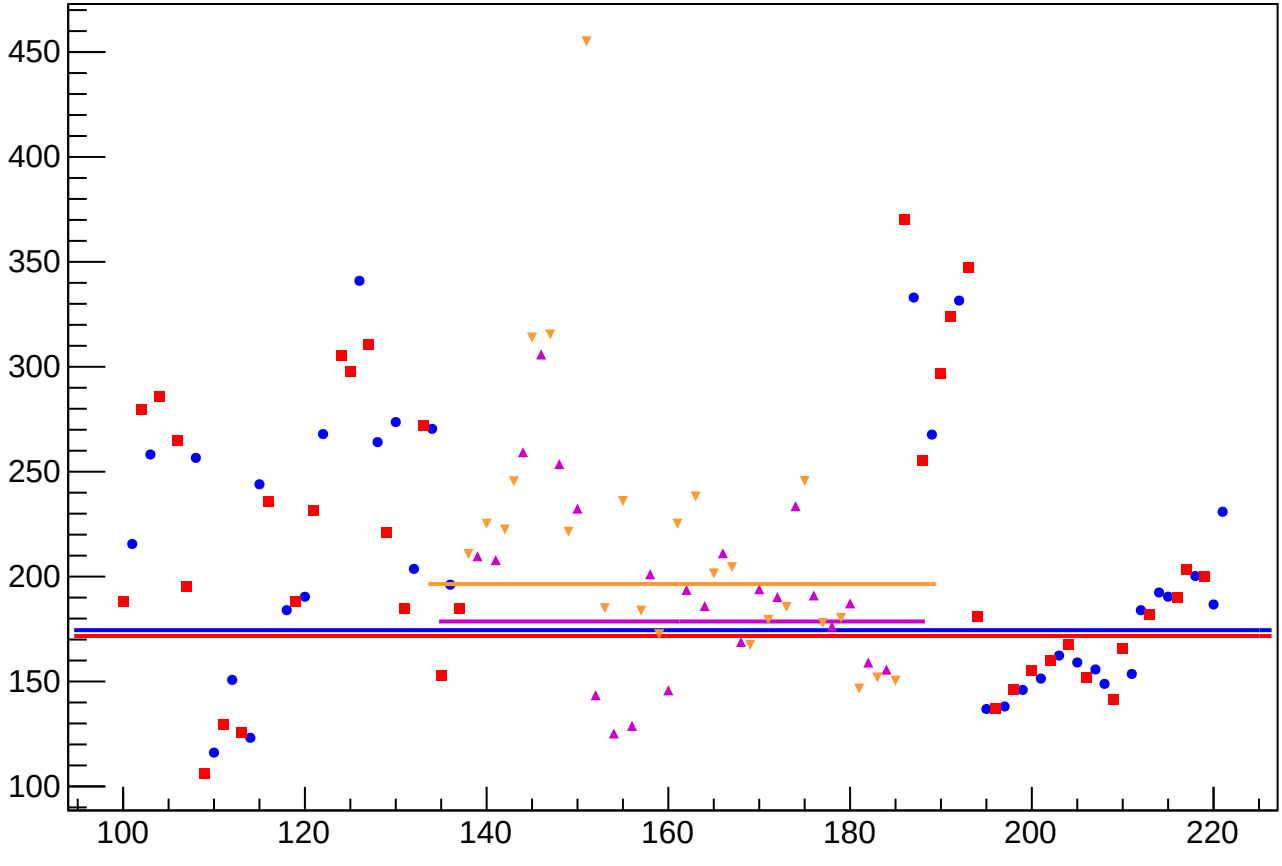
Right: -254.102+/-27.434 χ^2/NDF: 81.3/70

In: -82.300+/-28.917 χ^2/NDF:81.2/56

Out: -96.956+/-29.825 χ^2/NDF:102.9/61

All: -89.402+/-20.761 χ^2/NDF: 184.2/118

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: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

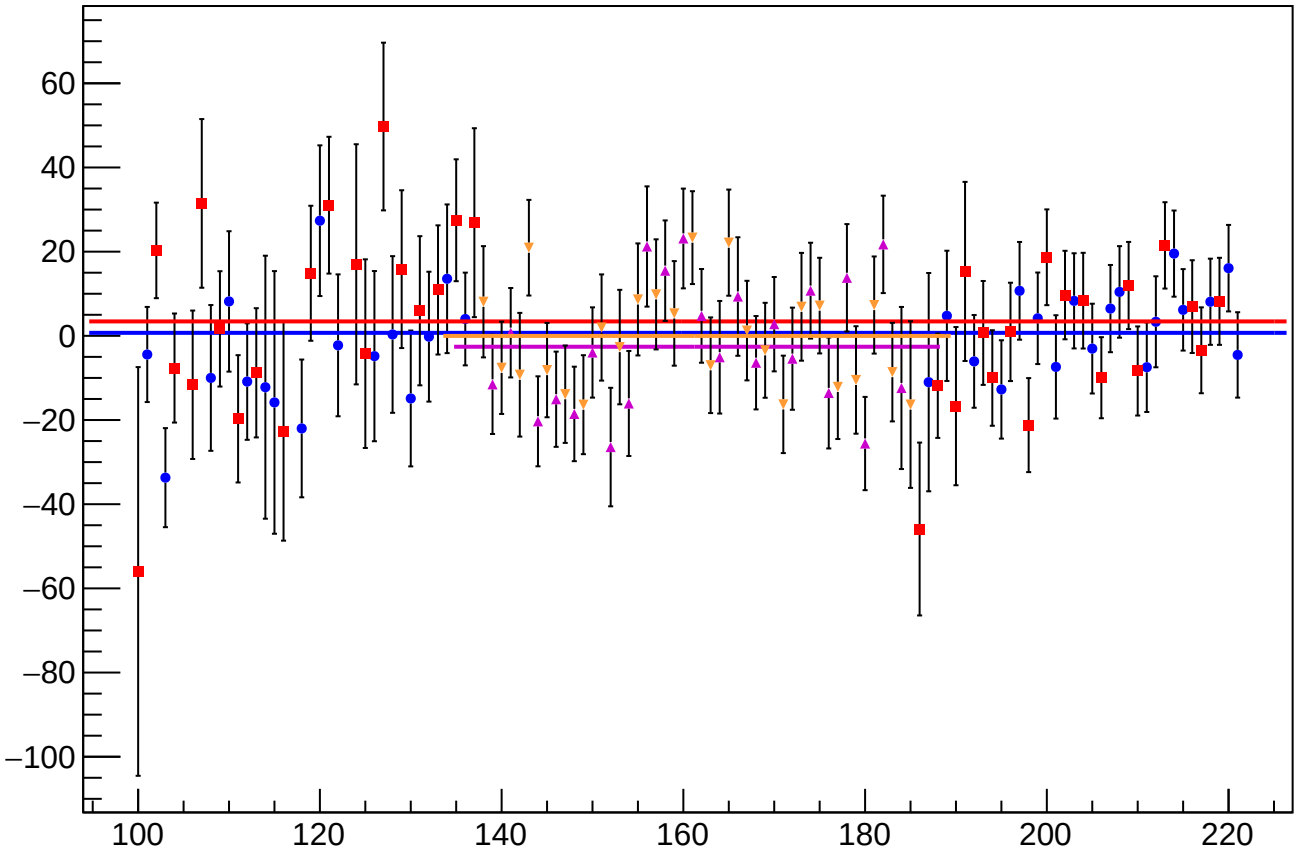
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 173.095+/-0.019 χ^2/NDF: 5602926.5/70

In: 176.284+/-0.020 χ^2/NDF:4179449.4/56

Out: 181.970+/-0.021 χ^2/NDF:5260579.6/61

All: 179.039+/-0.015 χ^2/NDF: 9477499.7/118



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: 3.428+/-2.238 χ^2/NDF: 50.0/36

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

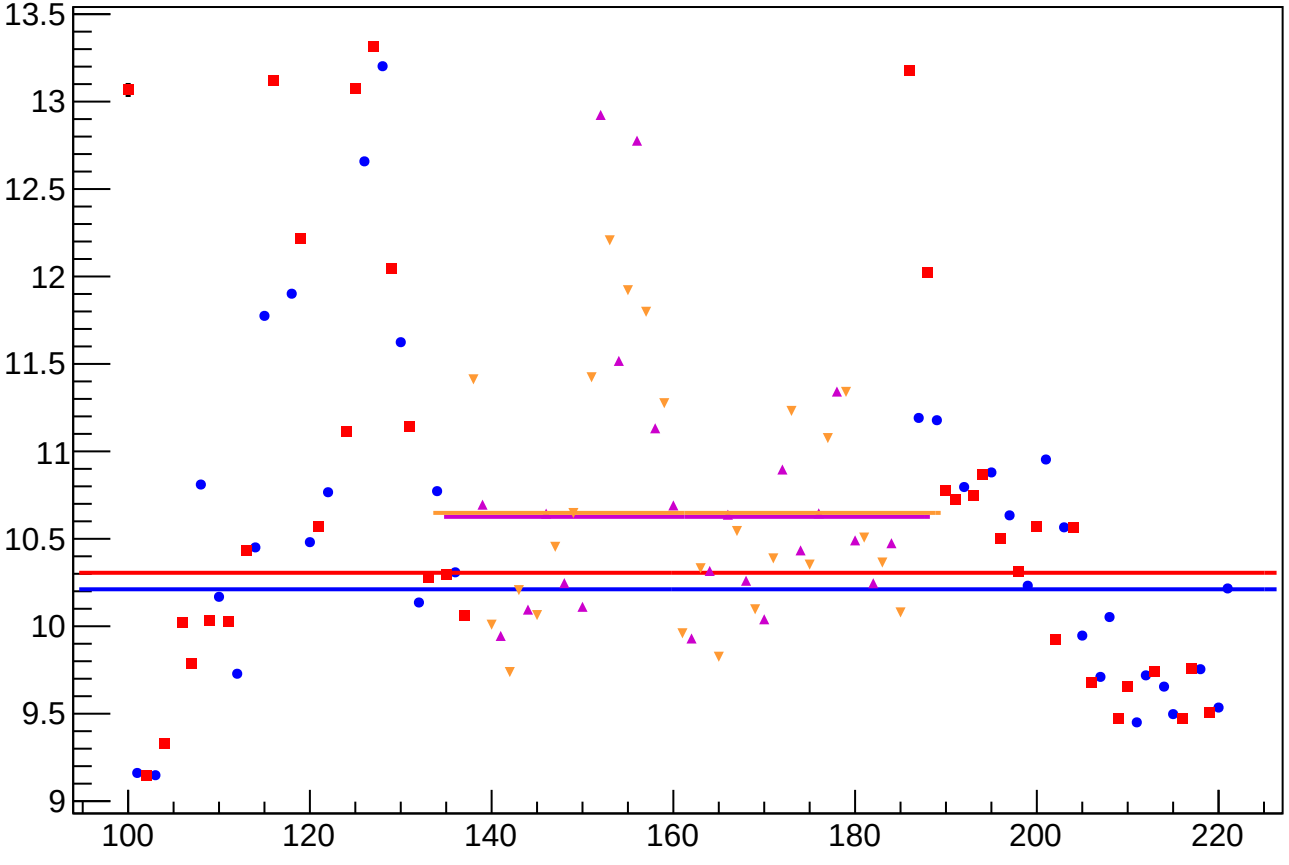
Right: 2.039+/-1.565 χ^2/NDF: 79.3/70

In: -0.717+/-1.648 χ^2/NDF:64.4/56

Out: 1.857+/-1.651 χ^2/NDF:74.8/61

All: 0.568+/-1.166 χ^2/NDF: 140.4/118

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: 10.306+/-0.002 χ^2/NDF: 351007.5/36

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

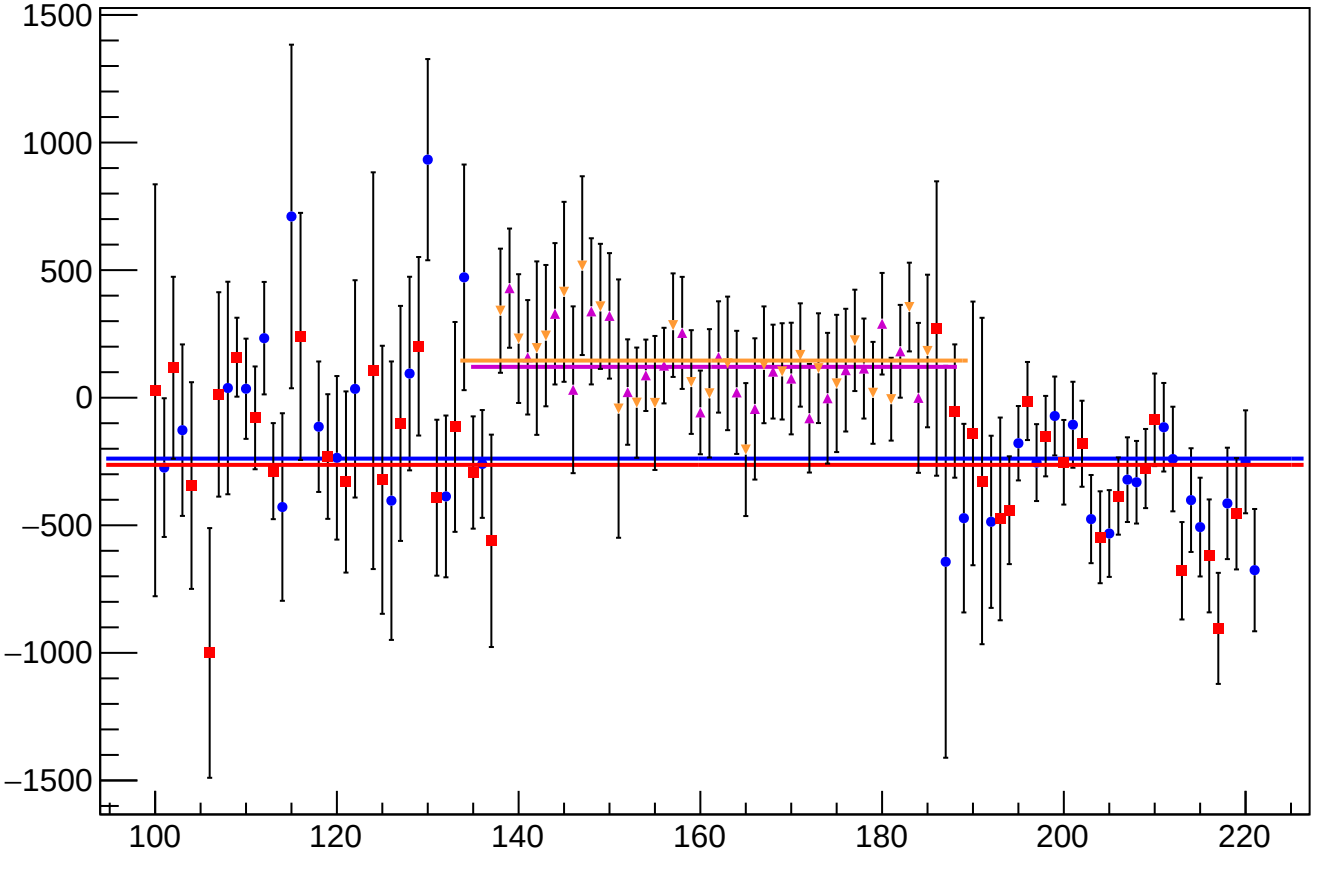
Right: 10.257+/-0.001 χ^2/NDF: 603774.8/70

In: 10.391+/-0.001 χ^2/NDF:441514.1/56

Out: 10.462+/-0.001 χ^2/NDF:515896.7/61

All: 10.426+/-0.001 χ^2/NDF: 959283.5/118

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: -263.210+/-39.095 χ^2/NDF: 43.3/36

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

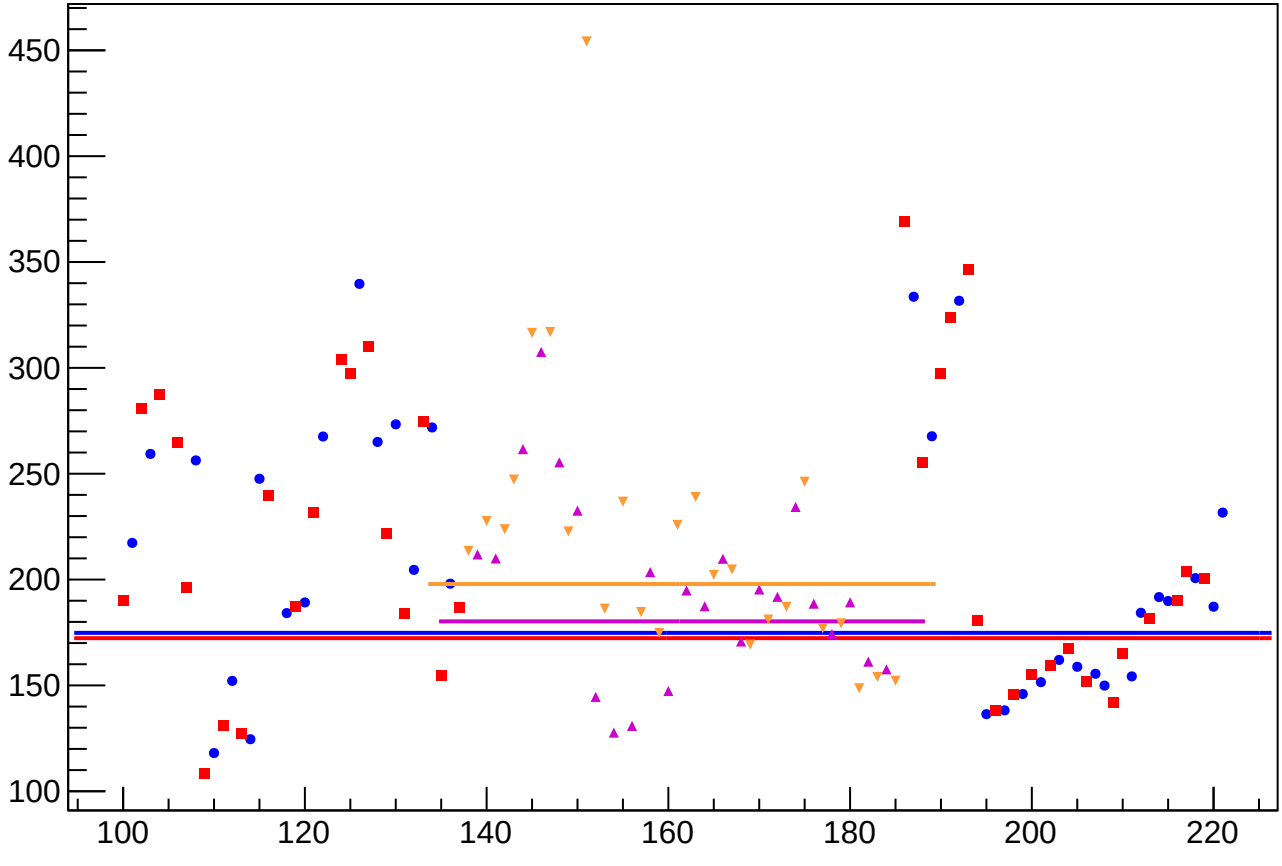
Right: -250.809+/-27.497 χ^2/NDF: 81.7/70

In: -81.903+/-29.050 χ^2/NDF:84.1/56

Out: -94.412+/-29.954 χ^2/NDF:98.7/61

All: -87.966+/-20.854 χ^2/NDF: 182.9/118

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: 172.315+/-0.028 χ^2/NDF: 3053674.4/36

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

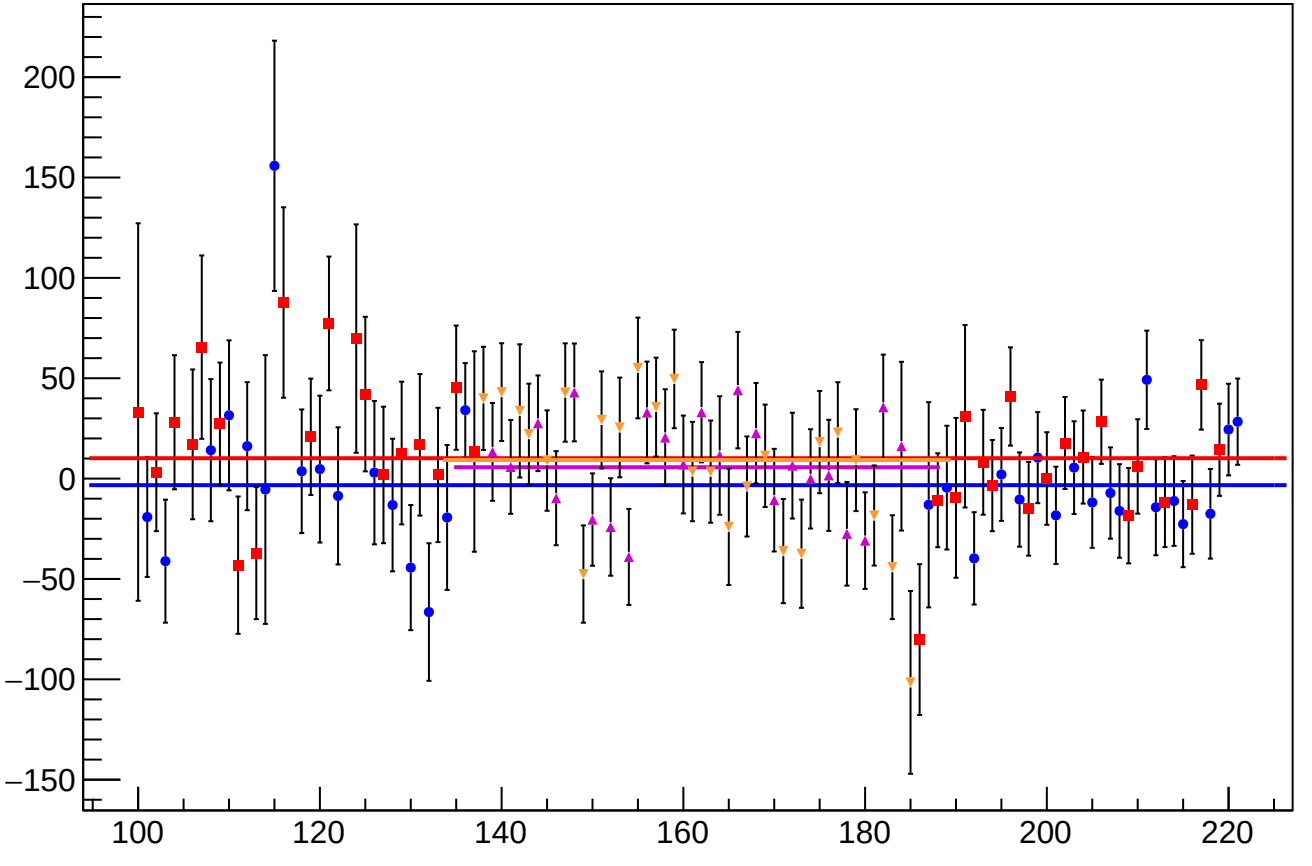
Right: 173.580+/-0.019 χ^2/NDF: 5537414.3/70

In: 177.186+/-0.021 χ^2/NDF:4124545.1/56

Out: 182.876+/-0.021 χ^2/NDF:5195979.5/61

All: 179.944+/-0.015 χ^2/NDF: 9357716.9/118

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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: 10.156+/-4.758 χ^2/NDF: 34.1/36

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

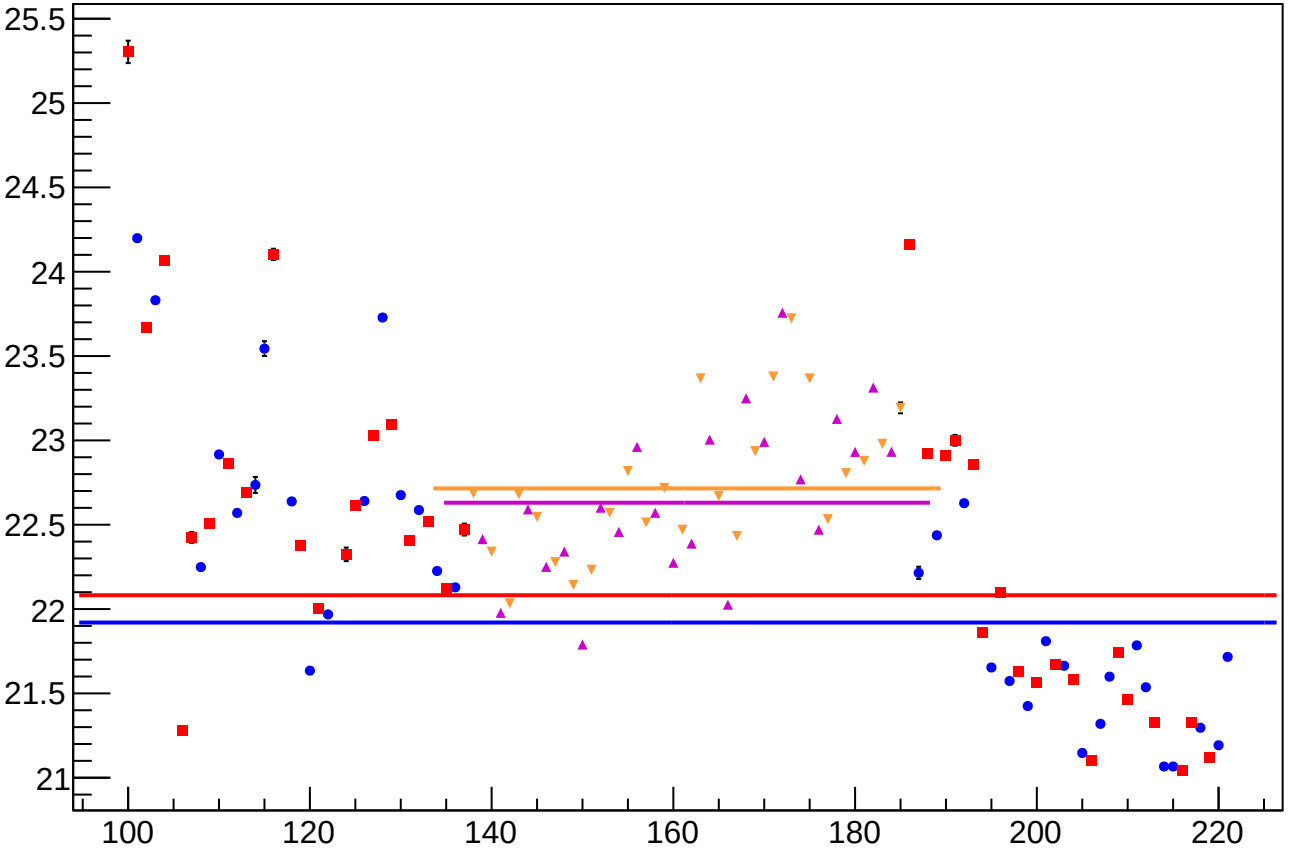
Right: 3.311+/-3.331 χ^2/NDF: 69.9/70

In: 0.643+/-3.498 χ^2/NDF:54.2/56

Out: 9.733+/-3.499 χ^2/NDF:73.5/61

All: 5.187+/-2.474 χ^2/NDF: 131.1/118

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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: 22.082+/-0.003 χ^2/NDF: 60030.4/36

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

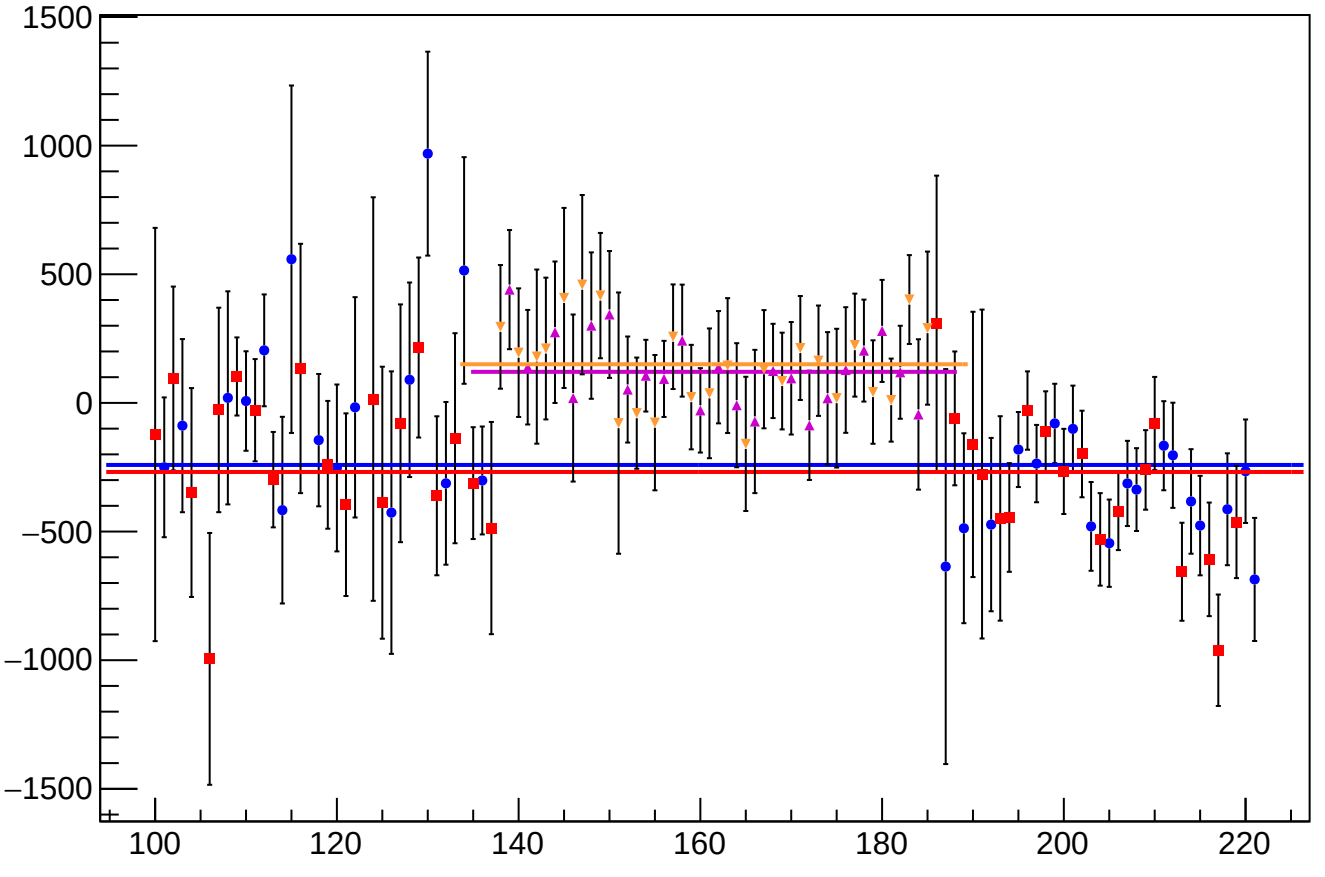
Right: 21.999+/-0.002 χ^2/NDF: 114000.1/70

In: 22.231+/-0.002 χ^2/NDF:88486.2/56

Out: 22.373+/-0.002 χ^2/NDF:88500.2/61

All: 22.302+/-0.002 χ^2/NDF: 178626.1/118

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -241.092+/-38.570 χ^2/NDF: 36.9/33

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -268.392+/-38.940 χ^2/NDF: 42.7/36

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

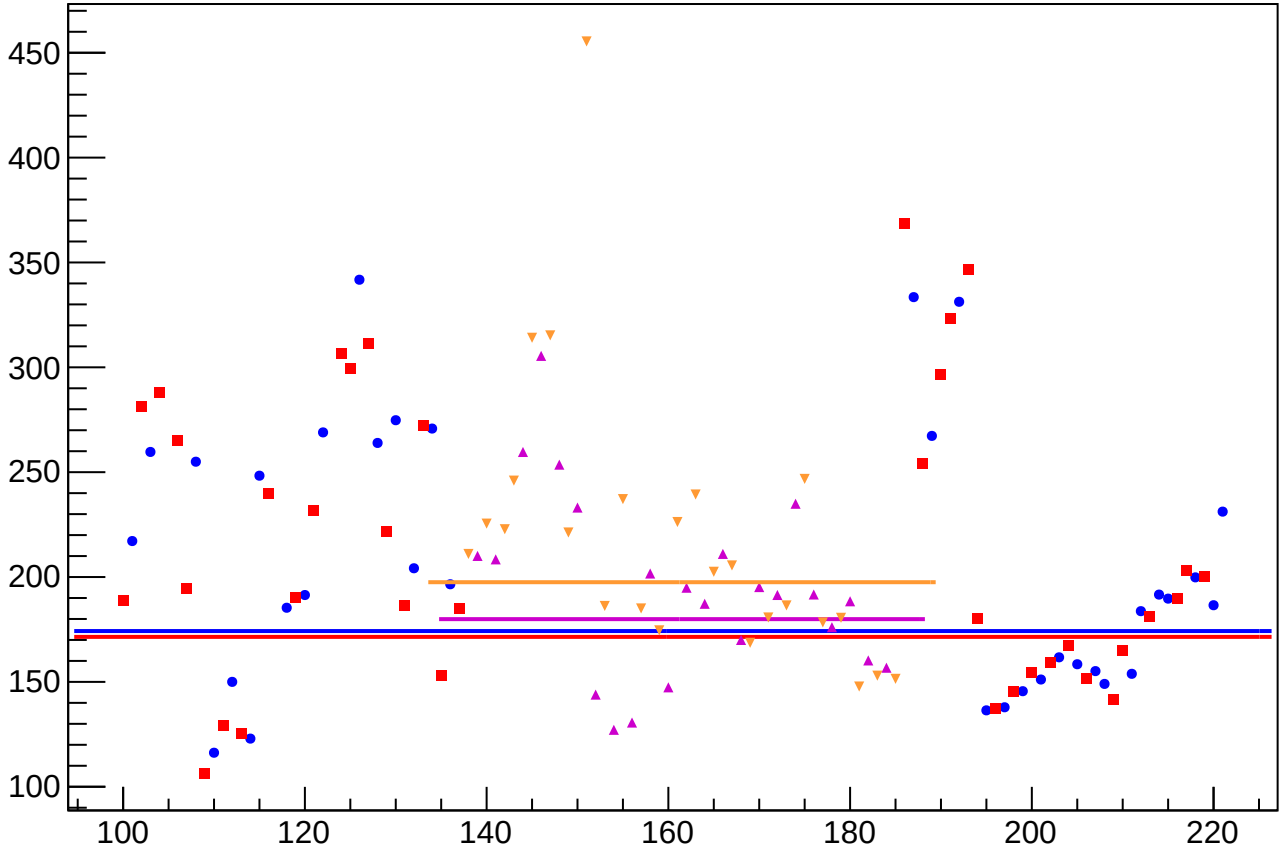
Right: -254.612+/-27.403 χ^2/NDF: 79.9/70

In: -83.537+/-28.981 χ^2/NDF:83.1/56

Out: -95.991+/-29.864 χ^2/NDF:101.3/61

All: -89.577+/-20.798 χ^2/NDF: 184.5/118

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: 171.463+/-0.028 χ^2/NDF: 3127564.2/36

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

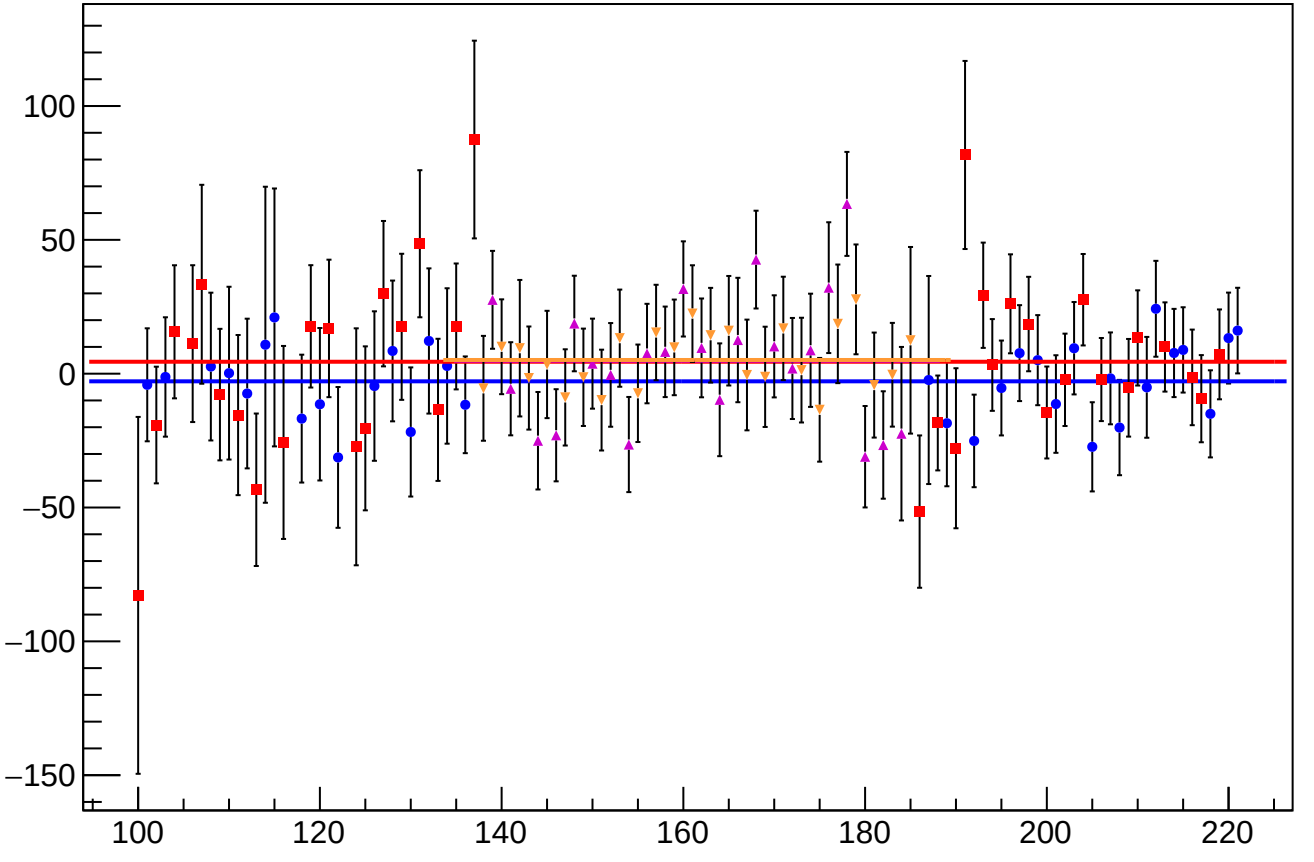
Right: 172.864+/-0.019 χ^2/NDF: 5645531.1/70

In: 176.714+/-0.020 χ^2/NDF:4155891.3/56

Out: 182.200+/-0.021 χ^2/NDF:5286673.1/61

All: 179.375+/-0.015 χ^2/NDF: 9477321.4/118

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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: 4.459+/-3.613 χ^2/NDF: 39.3/36

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

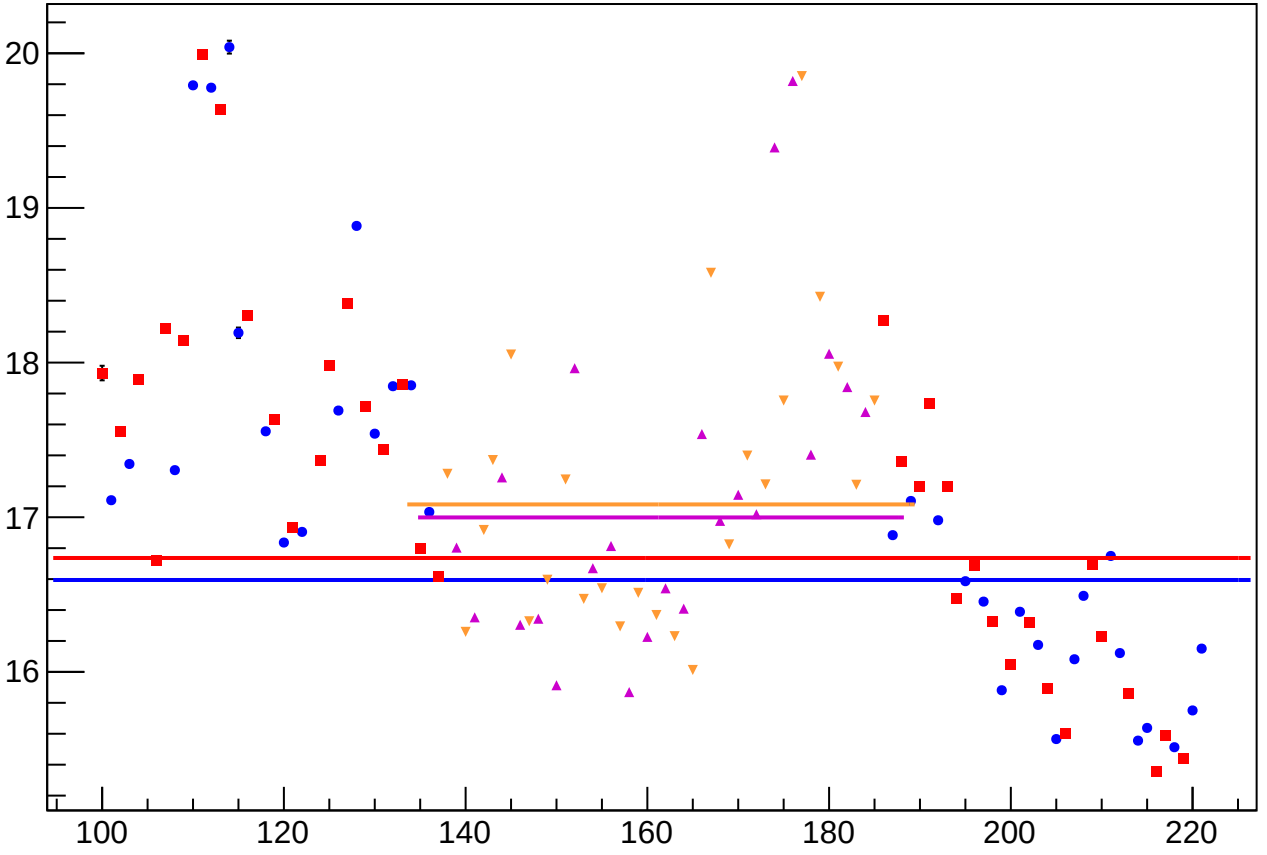
Right: 0.726+/-2.528 χ^2/NDF: 57.4/70

In: 0.550+/-2.644 χ^2/NDF:53.6/56

Out: 4.764+/-2.647 χ^2/NDF:47.2/61

All: 2.655+/-1.871 χ^2/NDF: 102.1/118

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: 16.737+/-0.003 χ^2/NDF: 161395.5/36

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

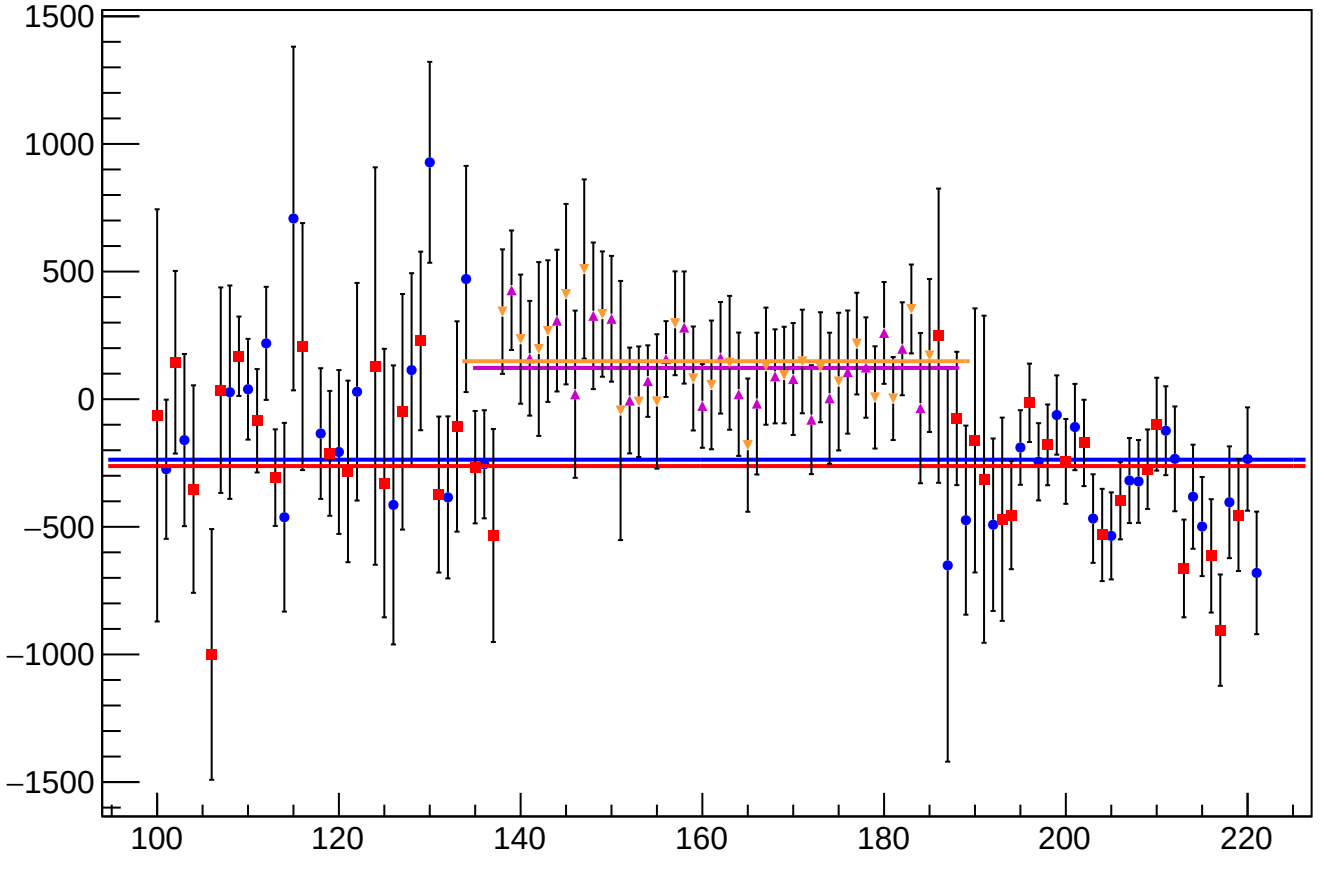
Right: 16.664+/-0.002 χ^2/NDF: 305175.6/70

In: 16.773+/-0.002 χ^2/NDF:257755.7/56

Out: 16.897+/-0.002 χ^2/NDF:266685.1/61

All: 16.835+/-0.001 χ^2/NDF: 526642.1/118

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -236.955+/-38.798 χ^2/NDF: 37.4/33

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -262.026+/-39.212 χ^2/NDF: 42.6/36

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

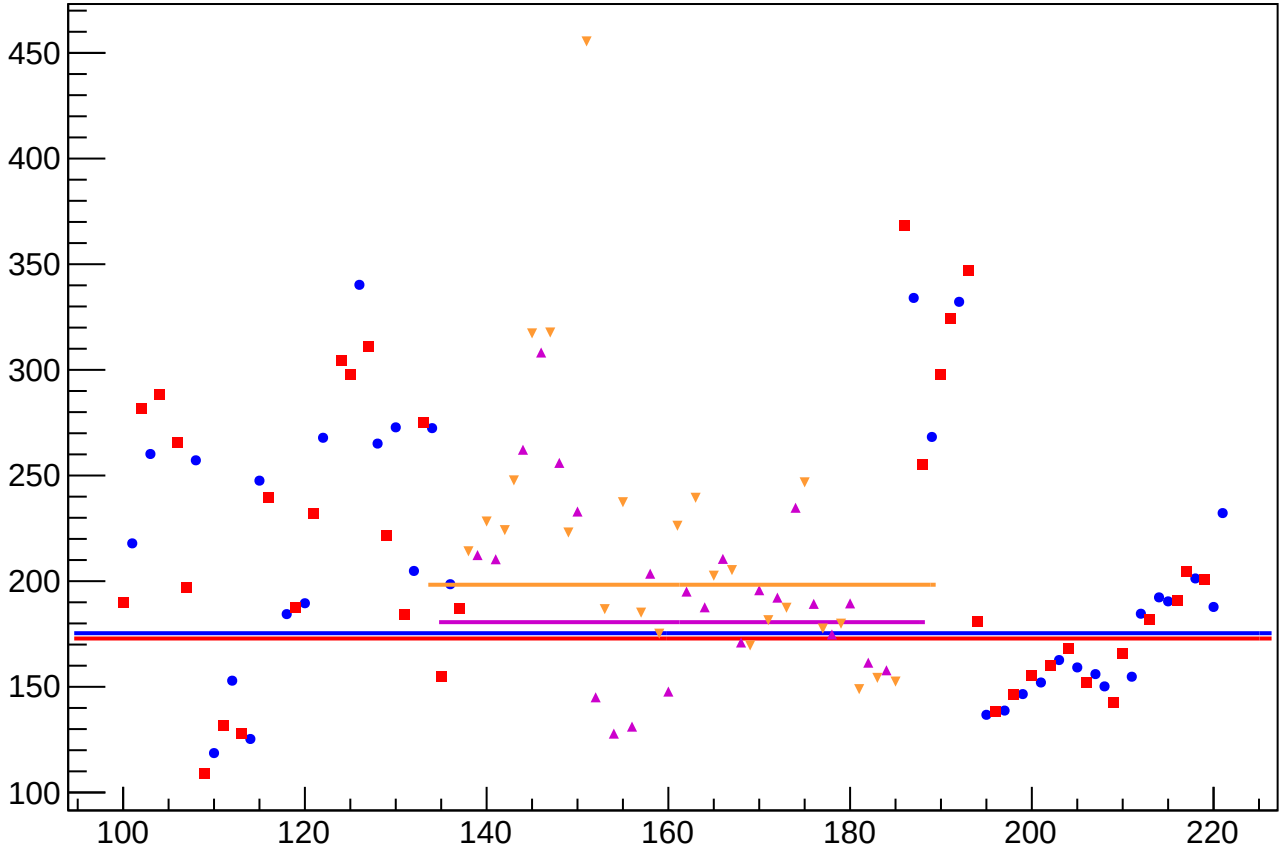
Right: -249.357+/-27.579 χ^2/NDF: 80.2/70

In: -80.104+/-29.124 χ^2/NDF:82.7/56

Out: -92.229+/-30.033 χ^2/NDF:97.5/61

All: -85.980+/-20.908 χ^2/NDF: 180.3/118

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: 172.866+/-0.028 χ^2/NDF: 3035159.2/36

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

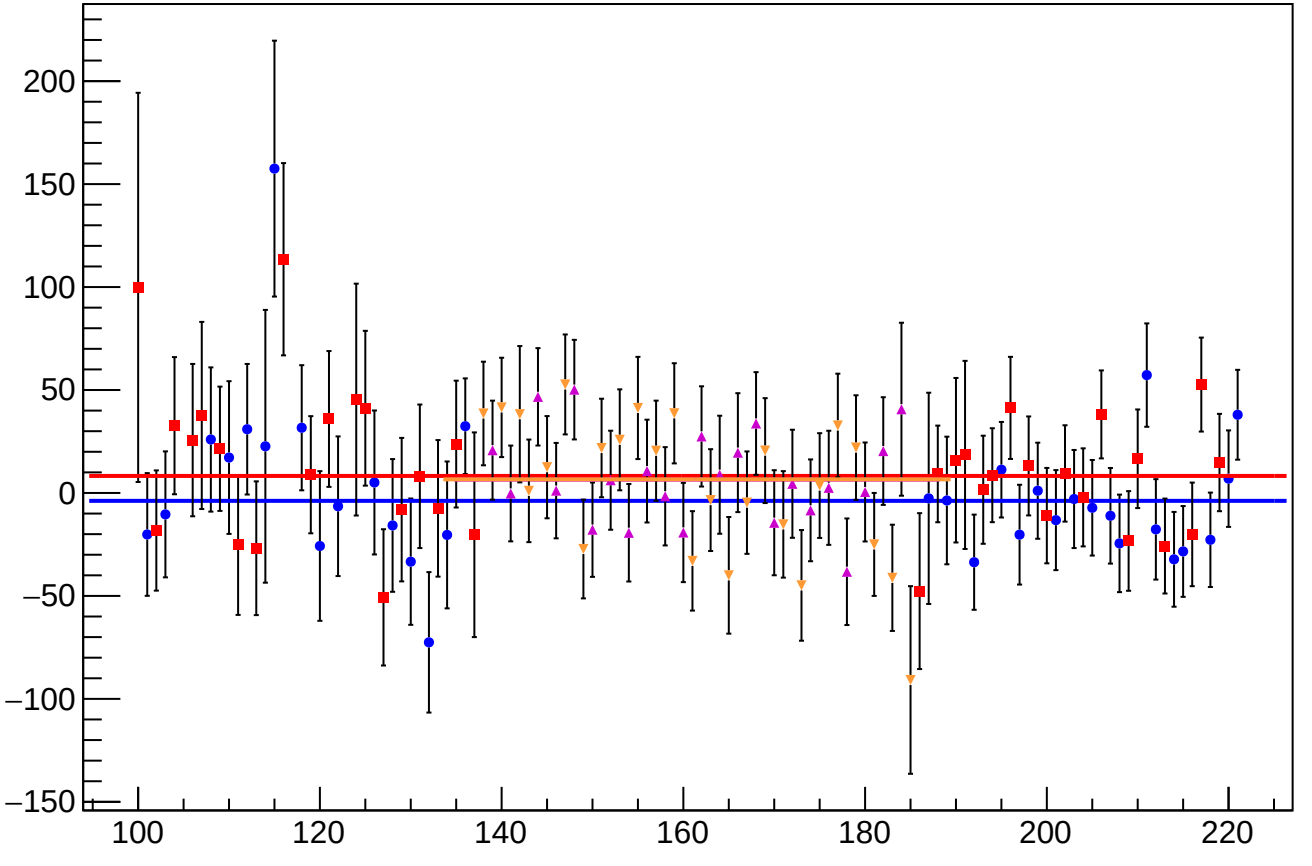
Right: 174.134+/-0.020 χ^2/NDF: 5505695.2/70

In: 177.656+/-0.021 χ^2/NDF:4110314.1/56

Out: 183.385+/-0.021 χ^2/NDF:5173600.2/61

All: 180.433+/-0.015 χ^2/NDF: 9321413.7/118

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: 8.272+/-4.795 χ^2/NDF: 32.6/36

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

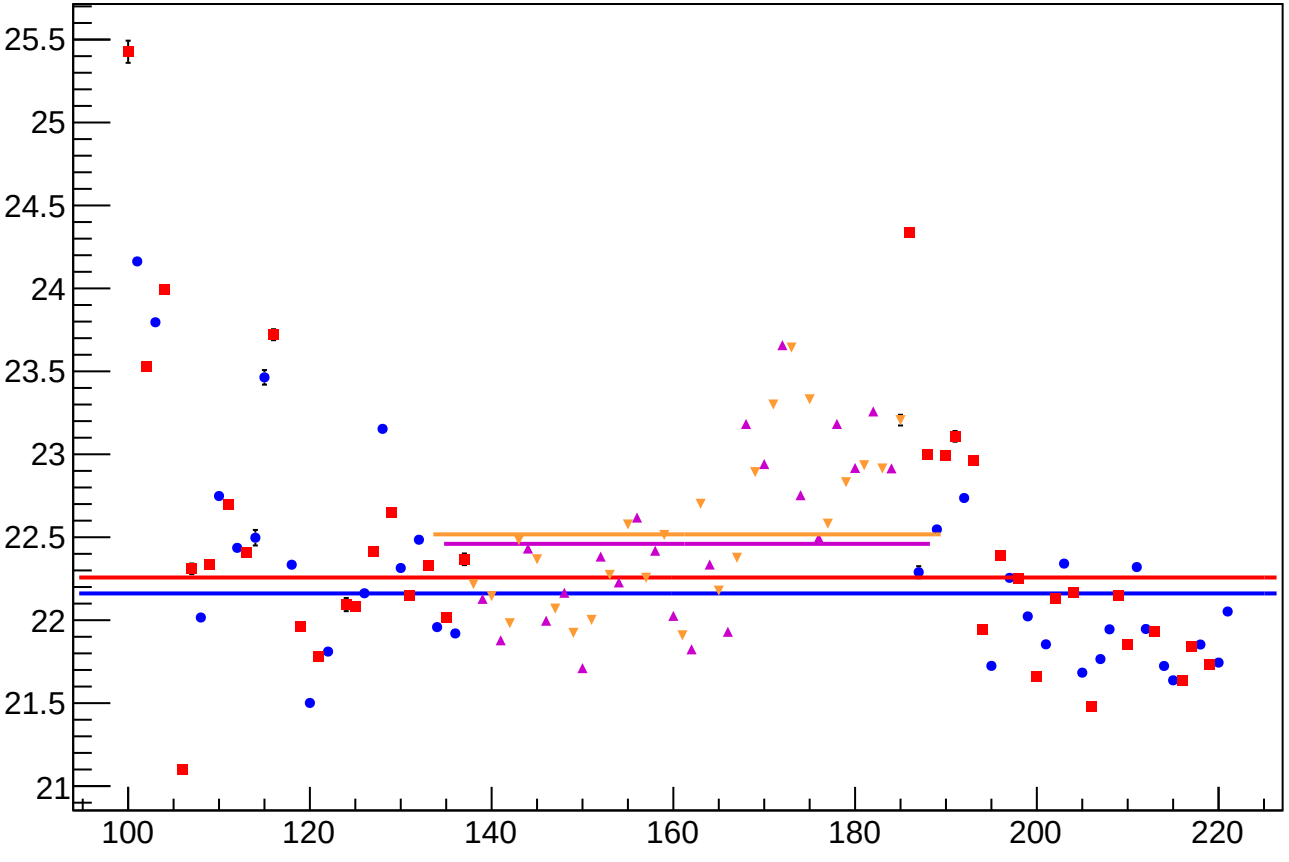
Right: 2.121+/-3.362 χ^2/NDF: 72.1/70

In: 0.778+/-3.507 χ^2/NDF:55.9/56

Out: 7.496+/-3.499 χ^2/NDF:69.5/61

All: 4.145+/-2.477 χ^2/NDF: 127.2/118

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: 22.257+/-0.003 χ^2/NDF: 36187.9/36

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

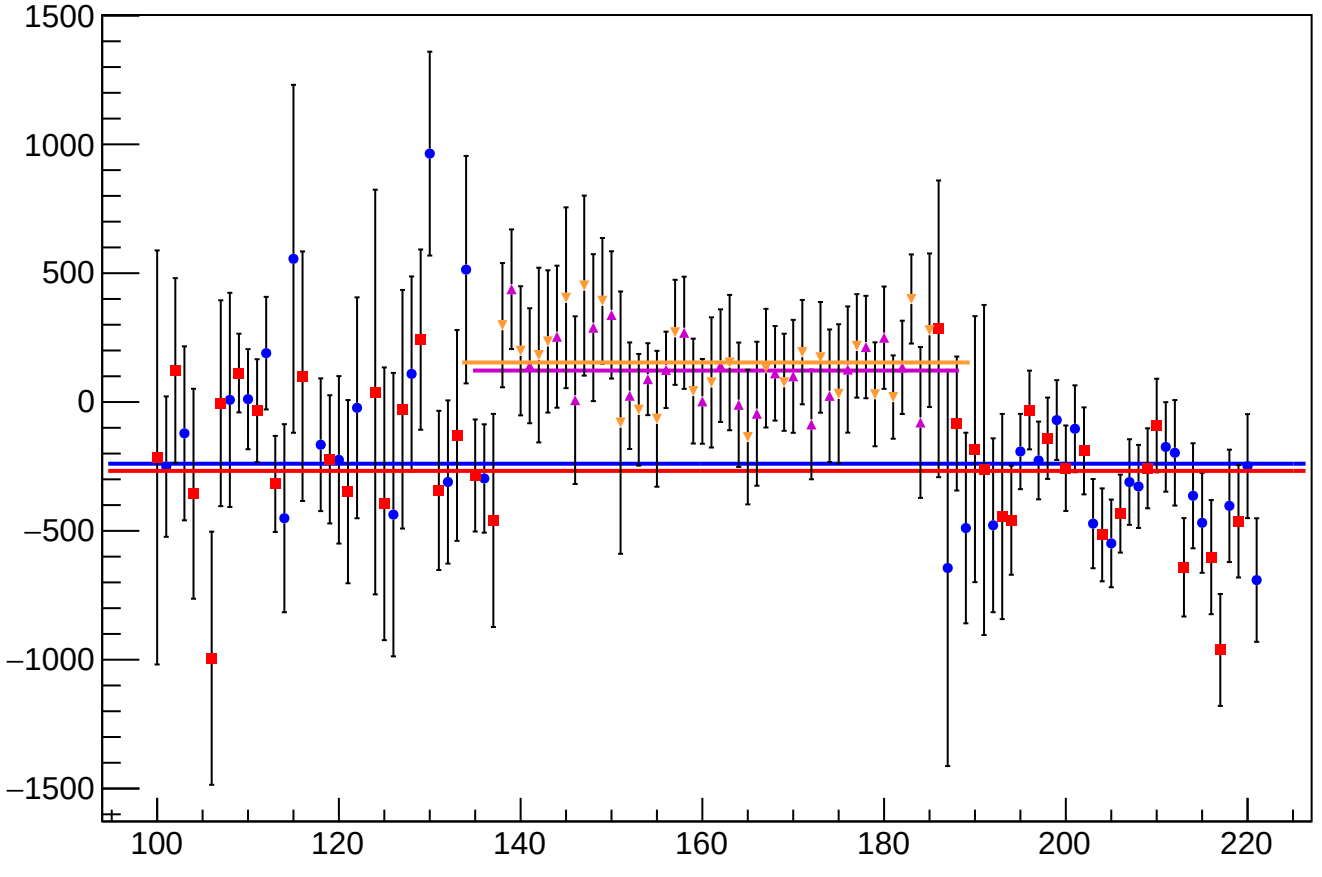
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.209+/-0.002 χ^2/NDF: 63817.0/70

In: 22.295+/-0.002 χ^2/NDF:49929.0/56

Out: 22.379+/-0.002 χ^2/NDF:54940.1/61

All: 22.337+/-0.002 χ^2/NDF: 105444.8/118



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: -267.242+/-39.058 χ^2/NDF: 42.1/36

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

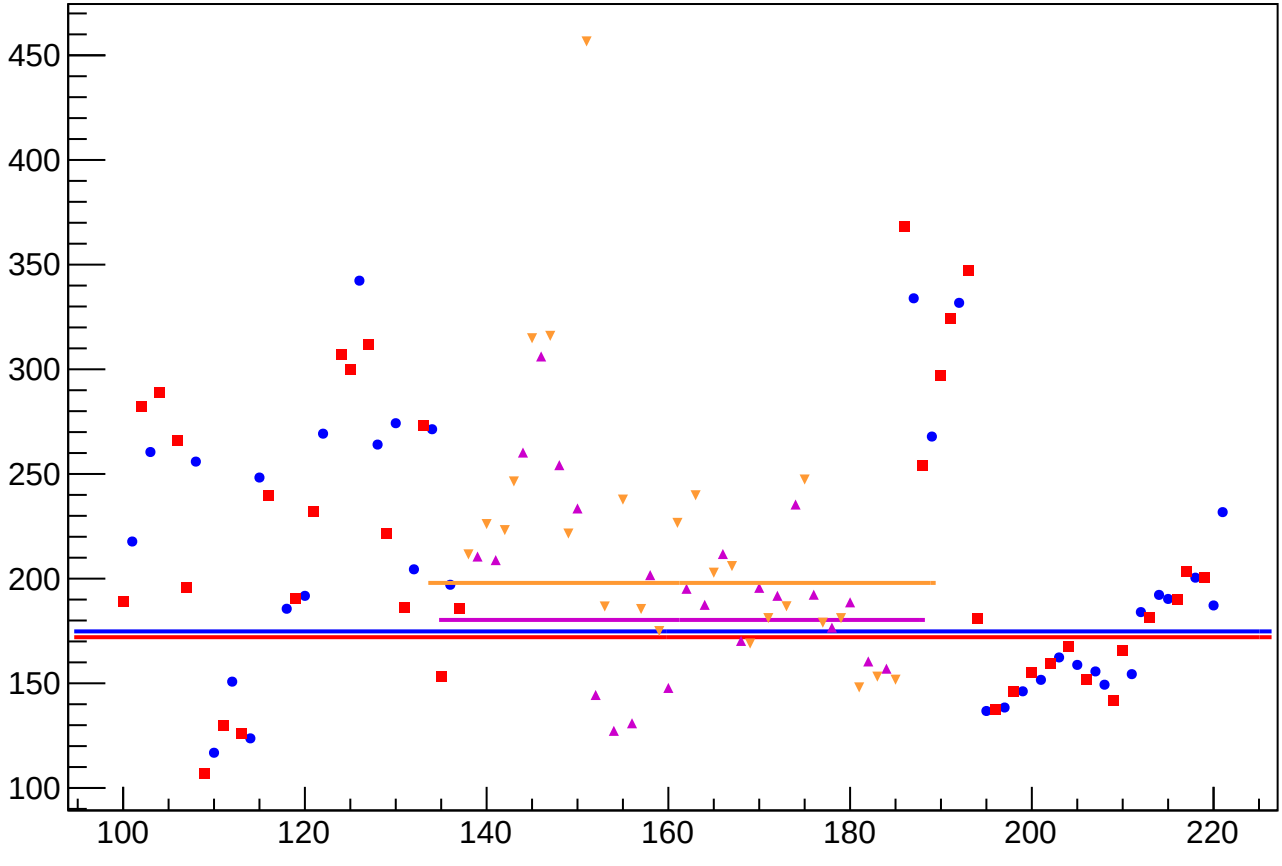
Right: -253.187+/-27.486 χ^2/NDF: 78.5/70

In: -81.777+/-29.055 χ^2/NDF:81.7/56

Out: -93.788+/-29.943 χ^2/NDF:100.0/61

All: -87.602+/-20.852 χ^2/NDF: 181.8/118

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: 172.020+/-0.028 χ^2/NDF: 3108125.6/36

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

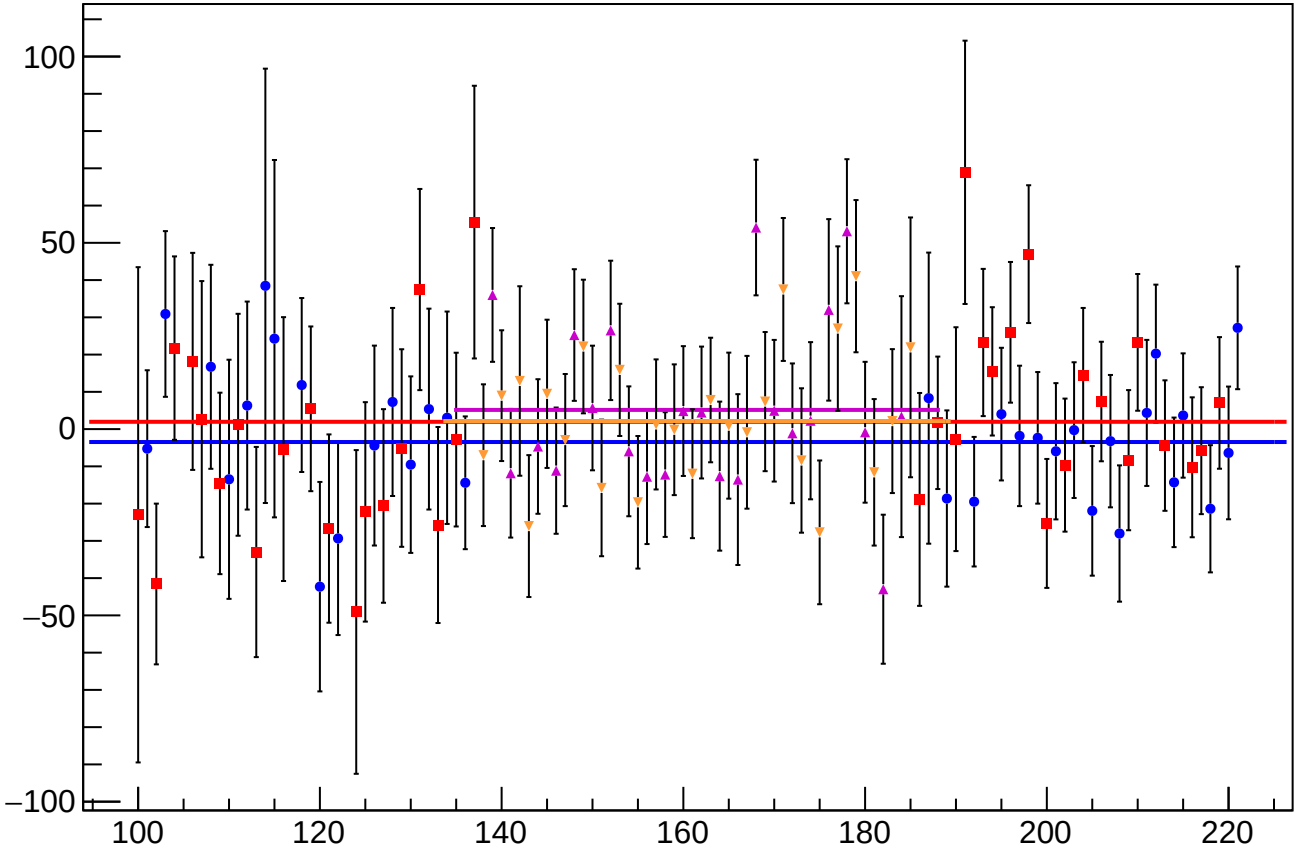
Right: 173.423+/-0.019 χ^2/NDF: 5612350.9/70

In: 177.186+/-0.021 χ^2/NDF:4141259.4/56

Out: 182.713+/-0.021 χ^2/NDF:5263074.2/61

All: 179.866+/-0.015 χ^2/NDF: 9439425.9/118

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: 1.961+/-3.668 χ^2/NDF: 35.9/36

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

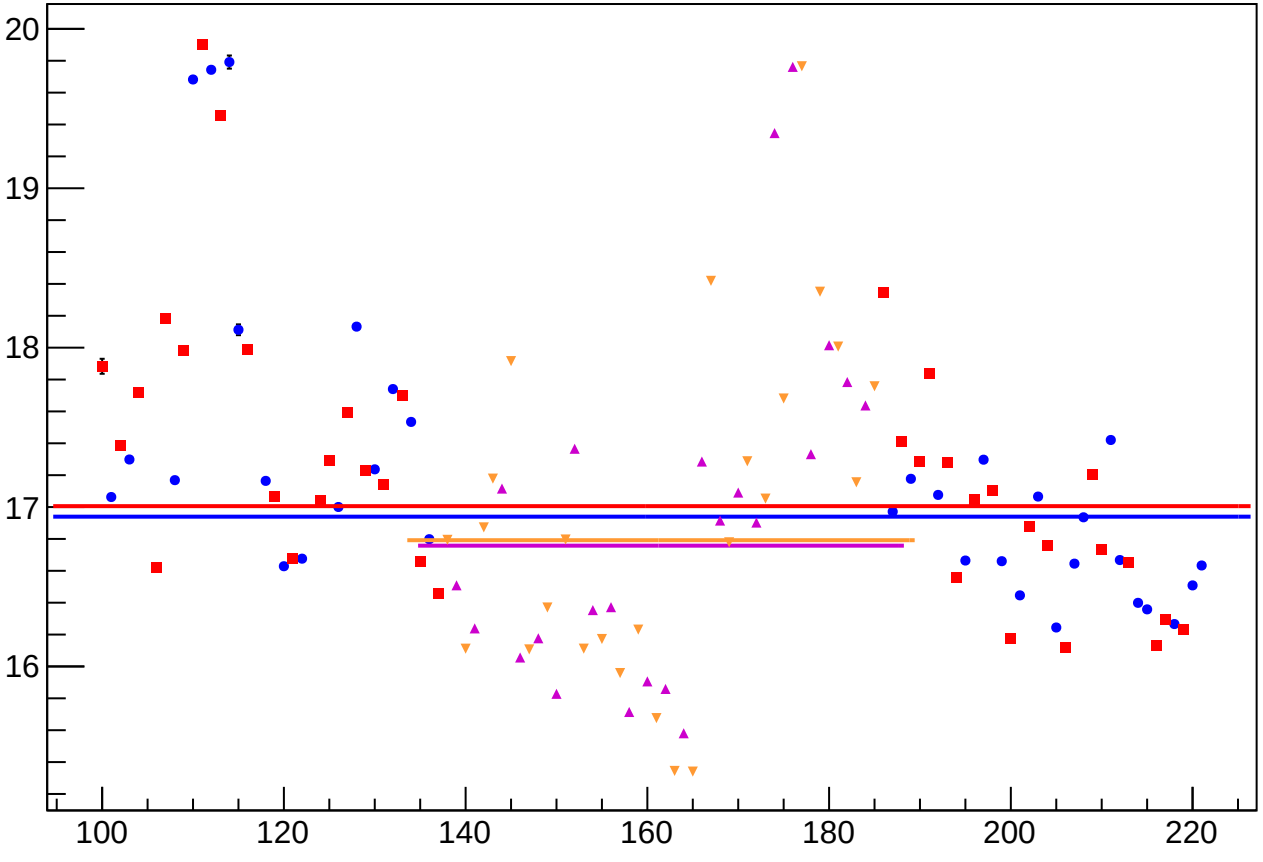
Right: -0.796+/-2.573 χ^2/NDF: 56.6/70

In: 0.483+/-2.657 χ^2/NDF:54.5/56

Out: 2.063+/-2.647 χ^2/NDF:55.9/61

All: 1.275+/-1.875 χ^2/NDF: 110.5/118

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: 17.006+/-0.003 χ^2/NDF: 80656.9/36

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

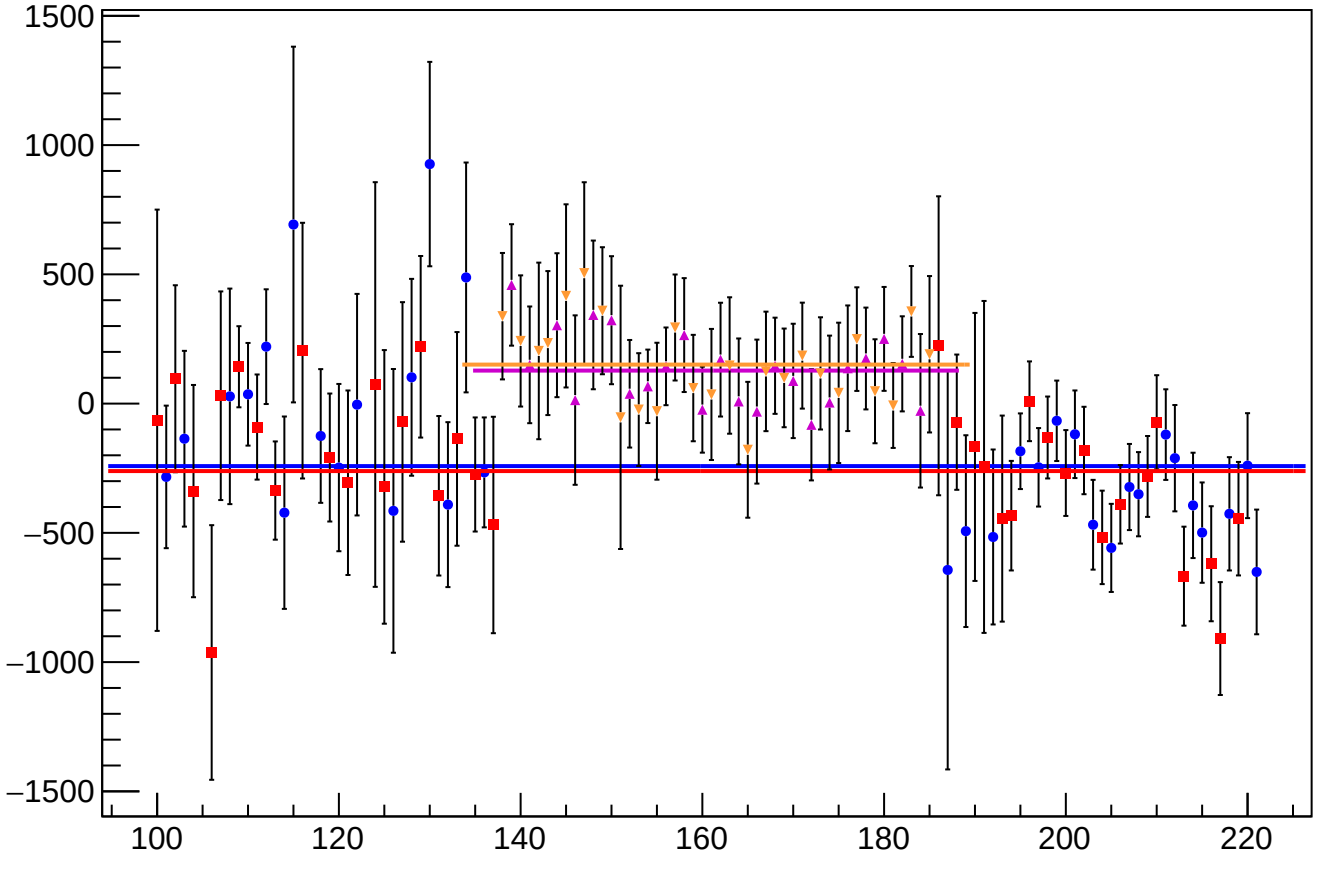
Right: 16.972+/-0.002 χ^2/NDF: 148964.2/70

In: 16.856+/-0.002 χ^2/NDF:193613.9/56

Out: 16.903+/-0.002 χ^2/NDF:220909.7/61

All: 16.880+/-0.001 χ^2/NDF: 414837.4/118

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: -261.020+/-39.334 χ^2/NDF: 41.3/36

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

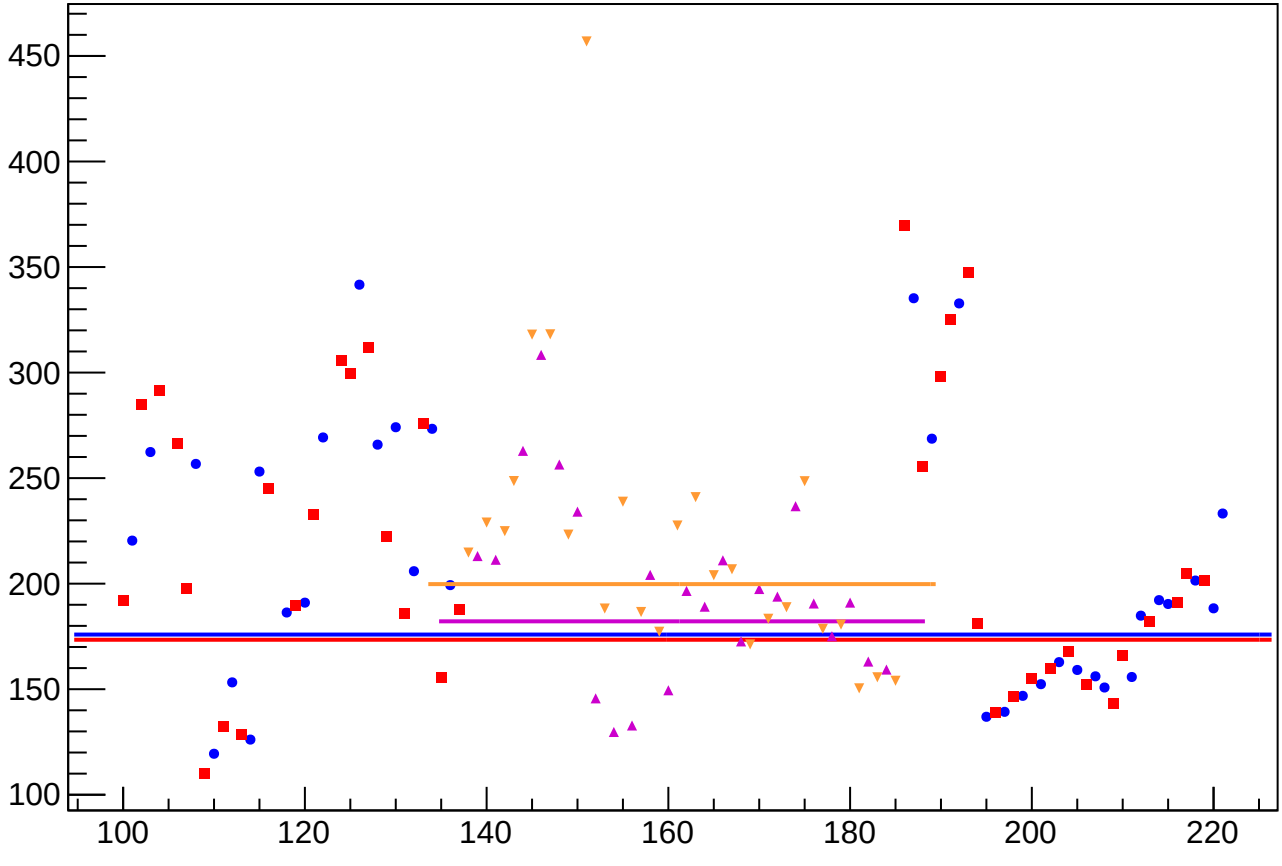
Right: -251.297+/-27.663 χ^2/NDF: 79.0/70

In: -81.381+/-29.271 χ^2/NDF:84.6/56

Out: -91.505+/-30.174 χ^2/NDF:96.4/61

All: -86.290+/-21.010 χ^2/NDF: 181.0/118

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: 173.427+/-0.028 χ^2/NDF: 3036505.4/36

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

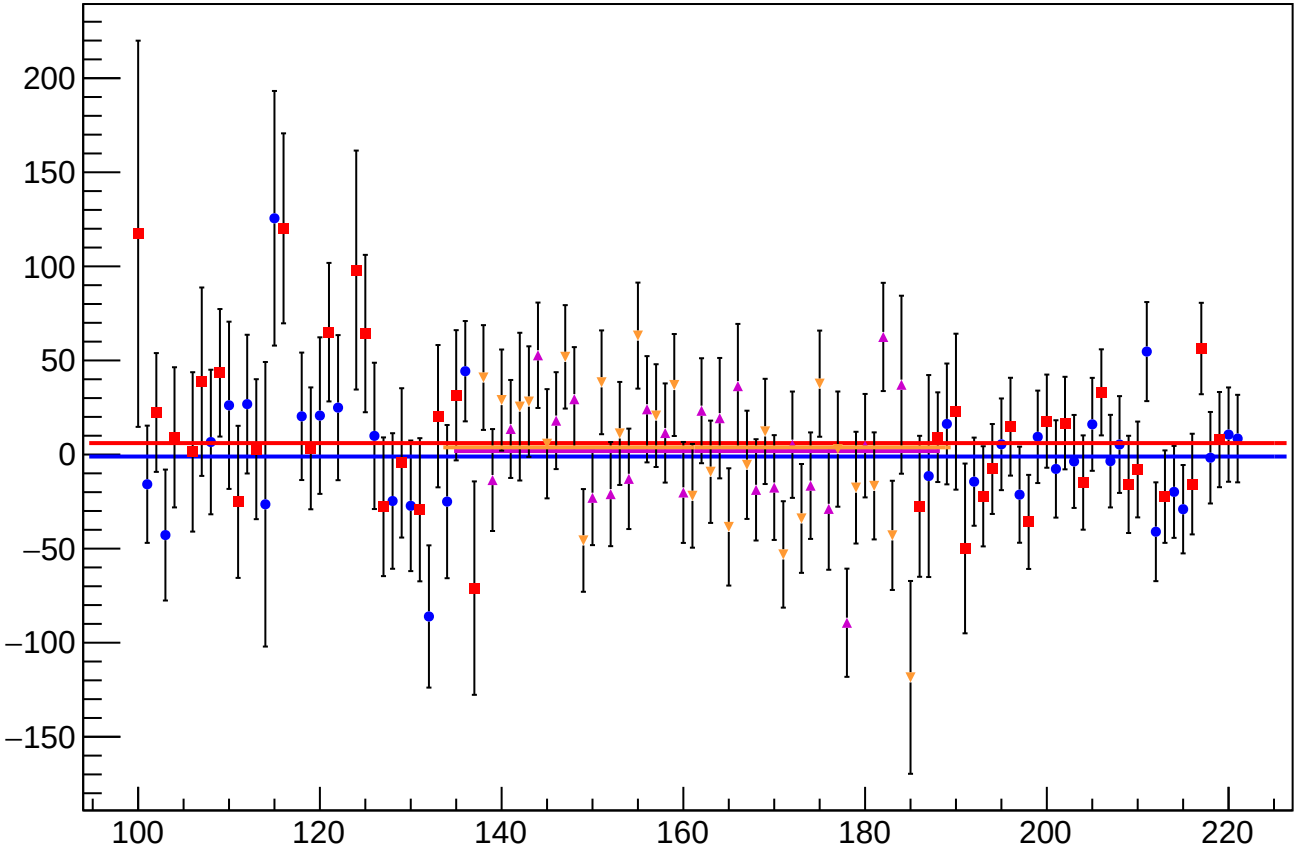
Right: 174.669+/-0.020 χ^2/NDF: 5513530.7/70

In: 178.604+/-0.021 χ^2/NDF:4079952.8/56

Out: 184.274+/-0.021 χ^2/NDF:5166412.6/61

All: 181.353+/-0.015 χ^2/NDF: 9282750.0/118

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: 6.078+/-5.149 χ^2/NDF: 36.5/36

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

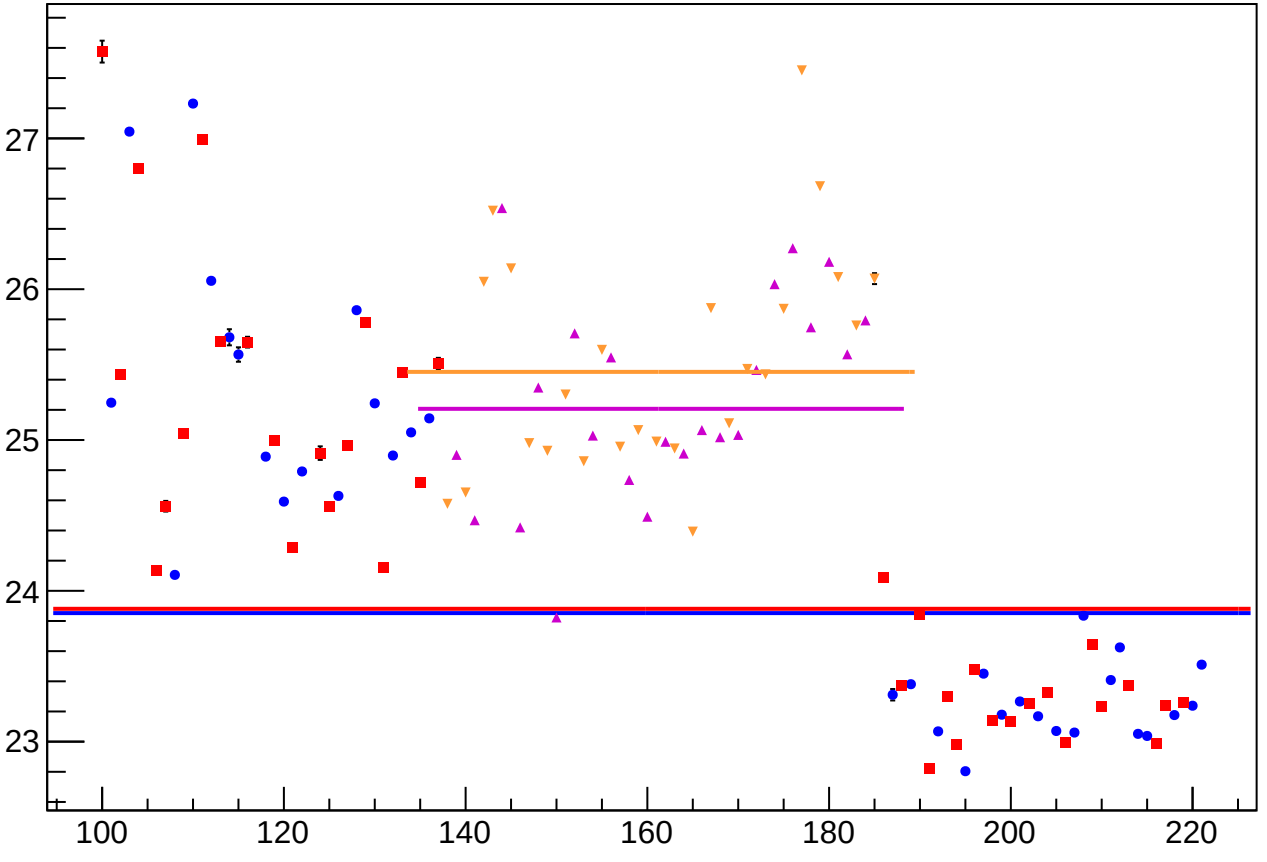
Right: 2.460+/-3.617 χ^2/NDF: 65.6/70

In: 0.179+/-3.848 χ^2/NDF:56.4/56

Out: 5.085+/-3.847 χ^2/NDF:74.2/61

All: 2.633+/-2.721 χ^2/NDF: 131.3/118

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: 23.881+/-0.004 χ^2/NDF: 80045.1/36

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

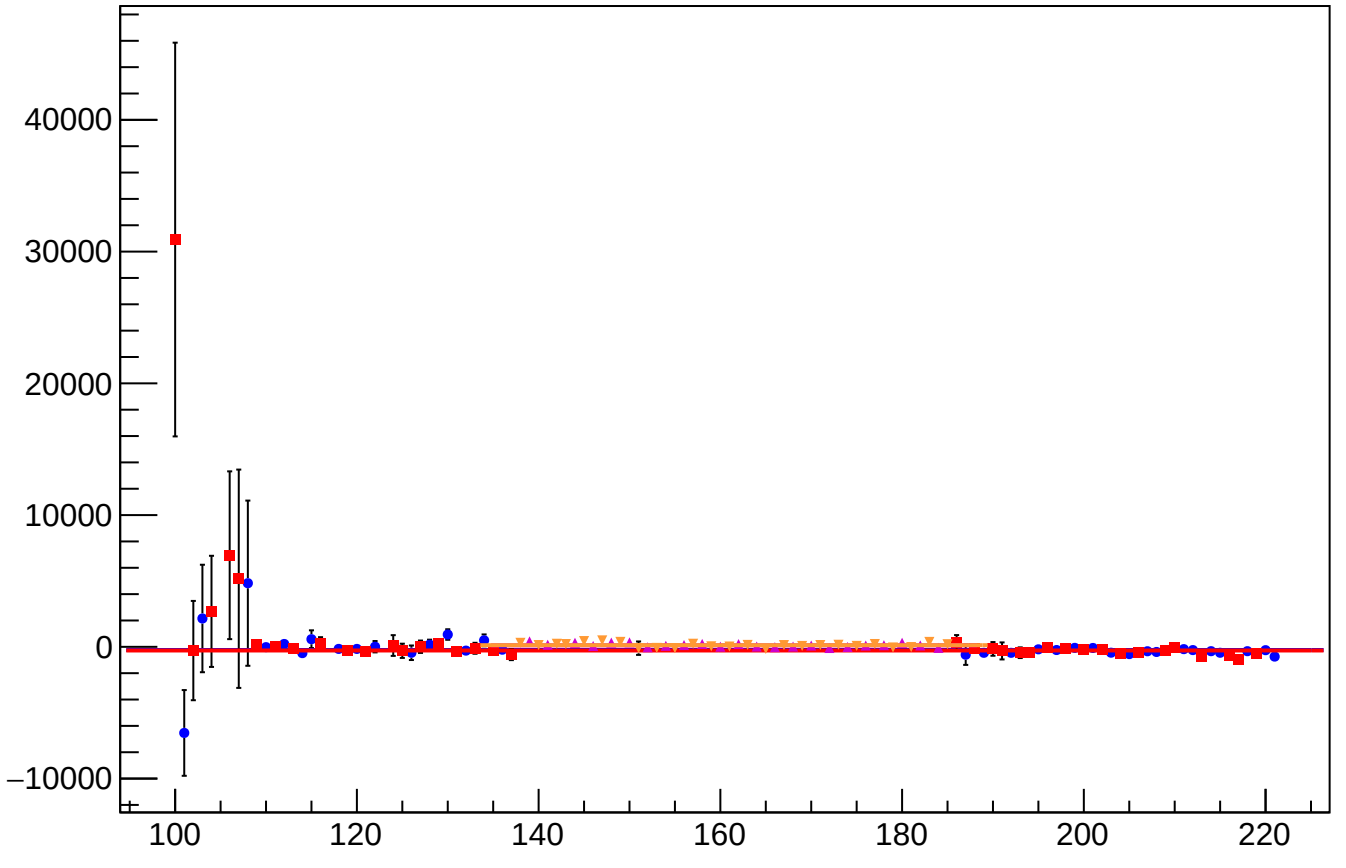
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 23.866+/-0.003 χ^2/NDF: 167726.6/70

In: 24.430+/-0.003 χ^2/NDF:174084.5/56

Out: 24.575+/-0.003 χ^2/NDF:191905.1/61

All: 24.502+/-0.002 χ^2/NDF: 367405.4/118



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: -276.074+/-41.344 χ^2/NDF: 46.4/36

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

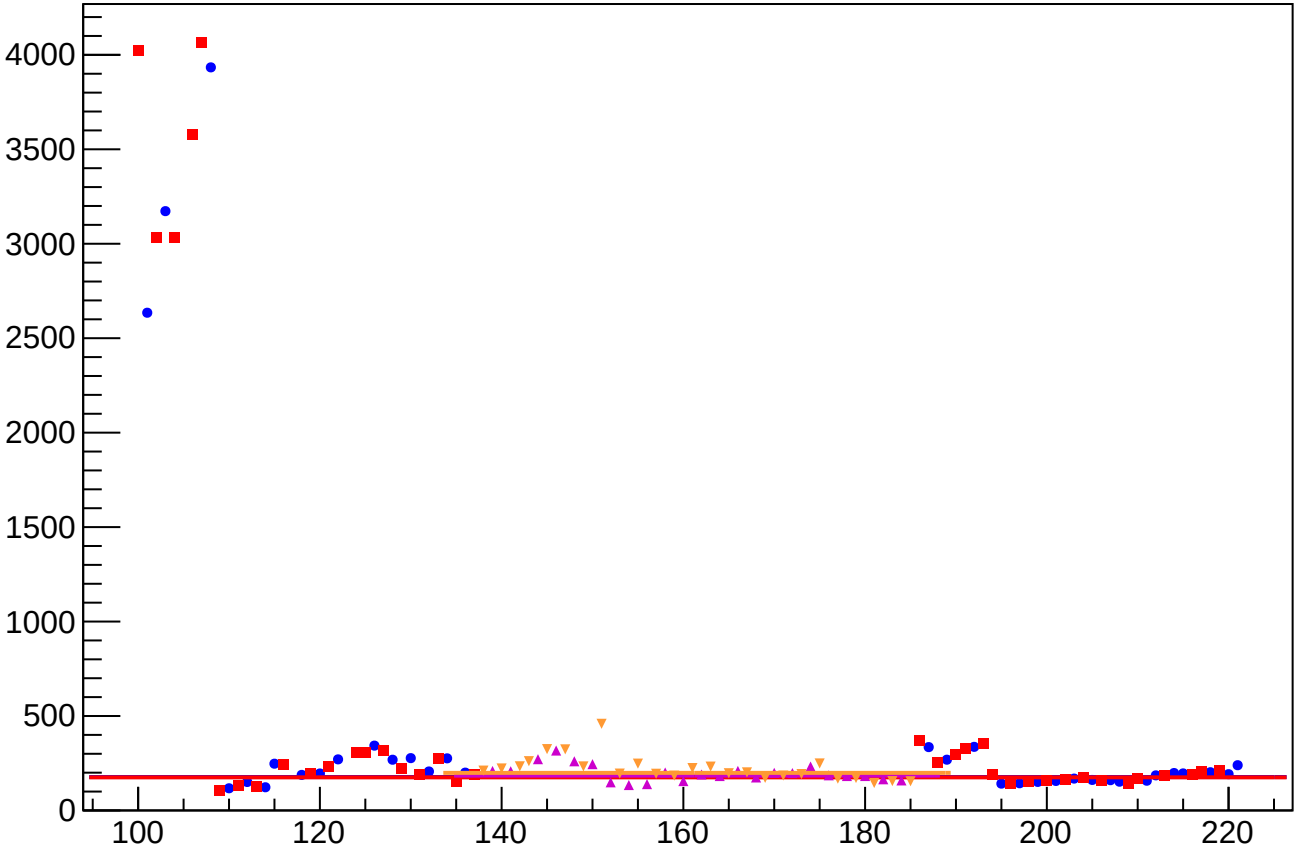
Right: -257.934+/-28.907 χ^2/NDF: 86.3/70

In: -80.219+/-30.037 χ^2/NDF:82.6/56

Out: -100.729+/-31.021 χ^2/NDF:98.6/61

All: -90.144+/-21.579 χ^2/NDF: 181.5/118

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: 175.248+/-0.029 χ^2/NDF: 5693751.9/36

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

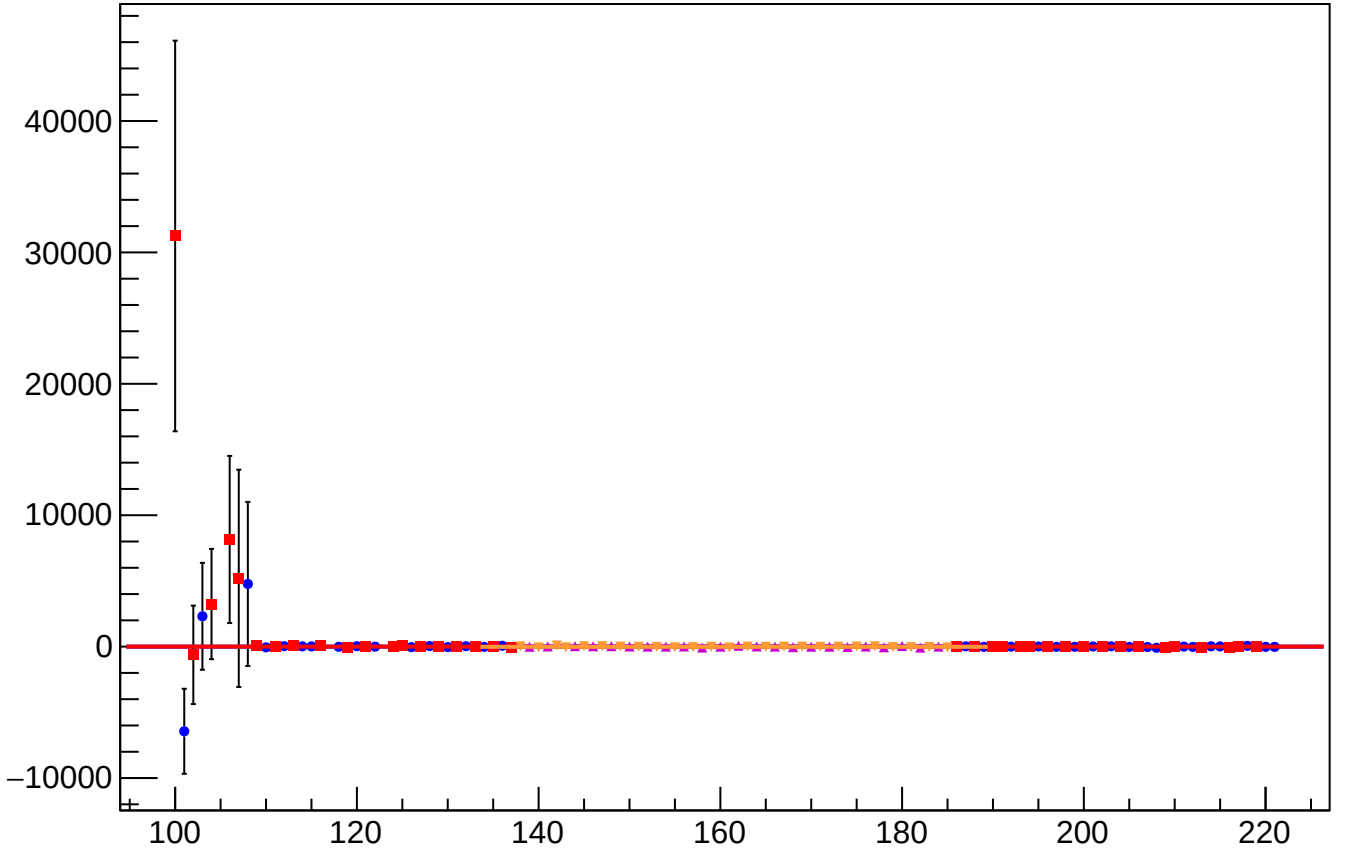
Right: 176.123+/-0.020 χ^2/NDF: 10810988.1/70

In: 180.293+/-0.021 χ^2/NDF:6592126.5/56

Out: 185.626+/-0.022 χ^2/NDF:7884224.6/61

All: 182.873+/-0.015 χ^2/NDF: 14506849.7/11

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: 2.084+/-6.233 χ^2/NDF: 43.4/36

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

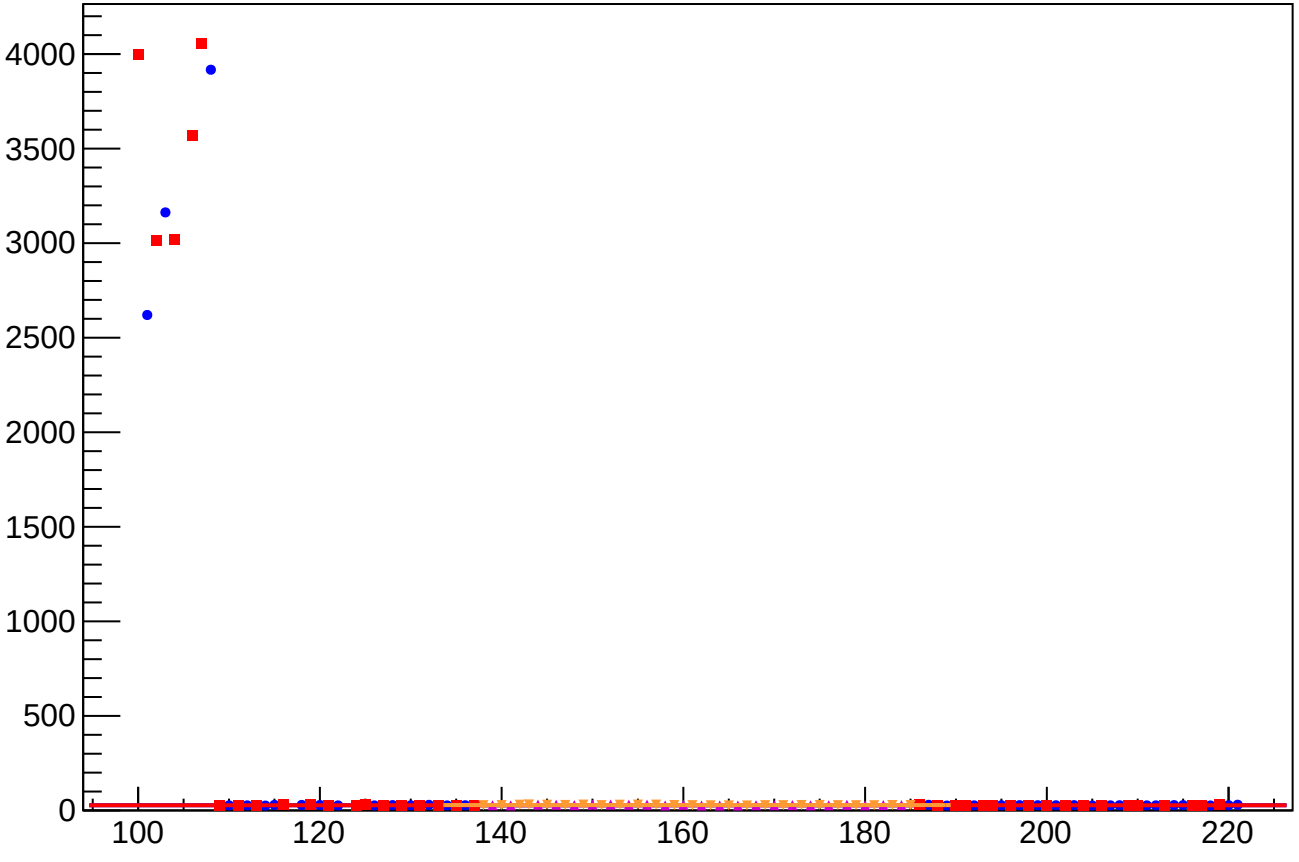
Right: 0.794+/-4.355 χ^2/NDF: 78.4/70

In: 0.743+/-4.507 χ^2/NDF:63.3/56

Out: -6.002+/-4.503 χ^2/NDF:69.1/61

All: -2.632+/-3.185 χ^2/NDF: 133.6/118

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: 27.456+/-0.004 χ^2/NDF: 3623757.3/36

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

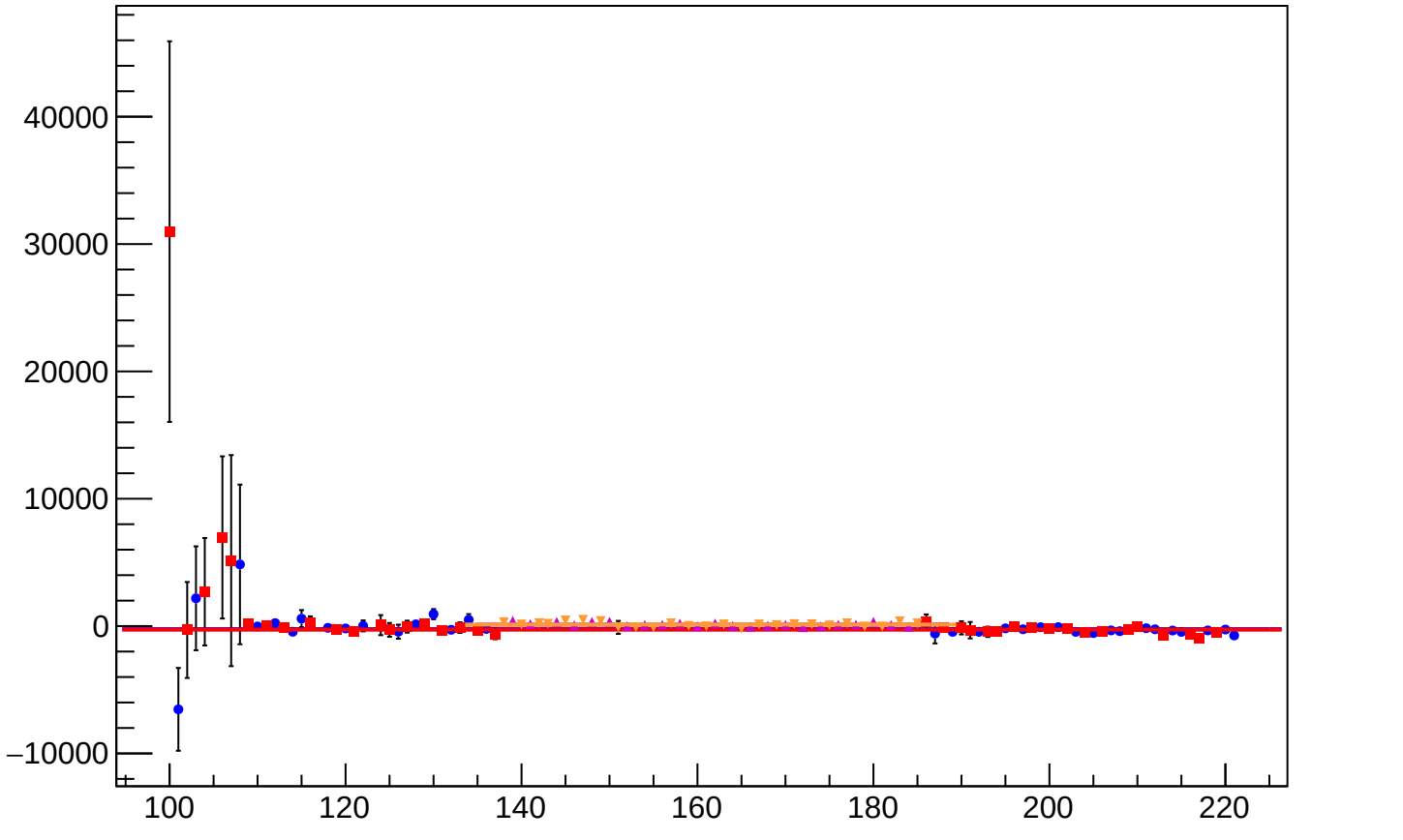
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.478+/-0.003 χ^2/NDF: 6927862.6/70

In: 27.999+/-0.003 χ^2/NDF:3456851.6/56

Out: 27.996+/-0.003 χ^2/NDF:3743299.5/61

All: 27.998+/-0.002 χ^2/NDF: 7200151.6/118



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: -276.985+/-41.228 χ^2/NDF: 47.4/36

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

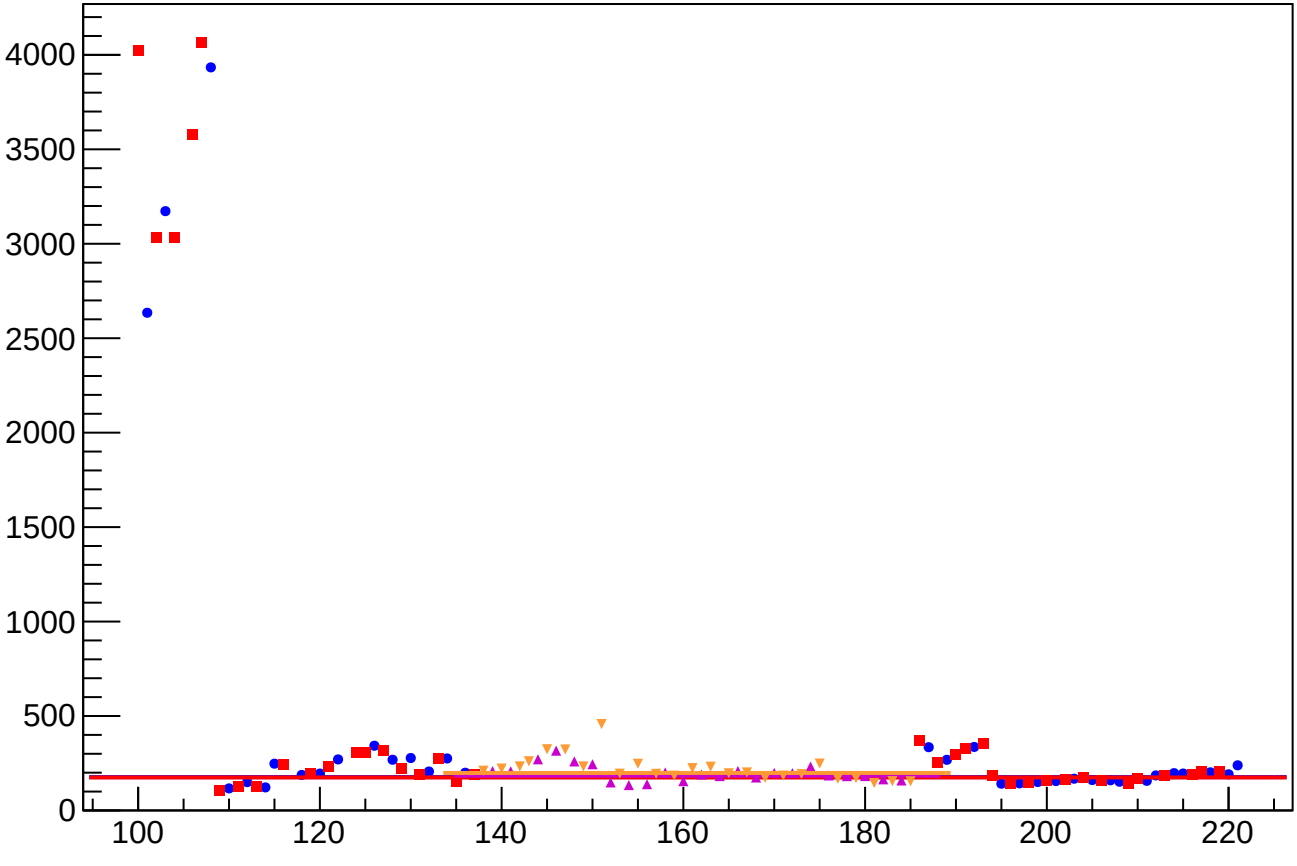
Right: -259.485+/-28.824 χ^2/NDF: 87.8/70

In: -82.062+/-29.963 χ^2/NDF:84.0/56

Out: -102.789+/-30.943 χ^2/NDF:100.2/61

All: -92.092+/-21.525 χ^2/NDF: 184.5/118

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: 174.713+/-0.029 χ^2/NDF: 5713117.1/36

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

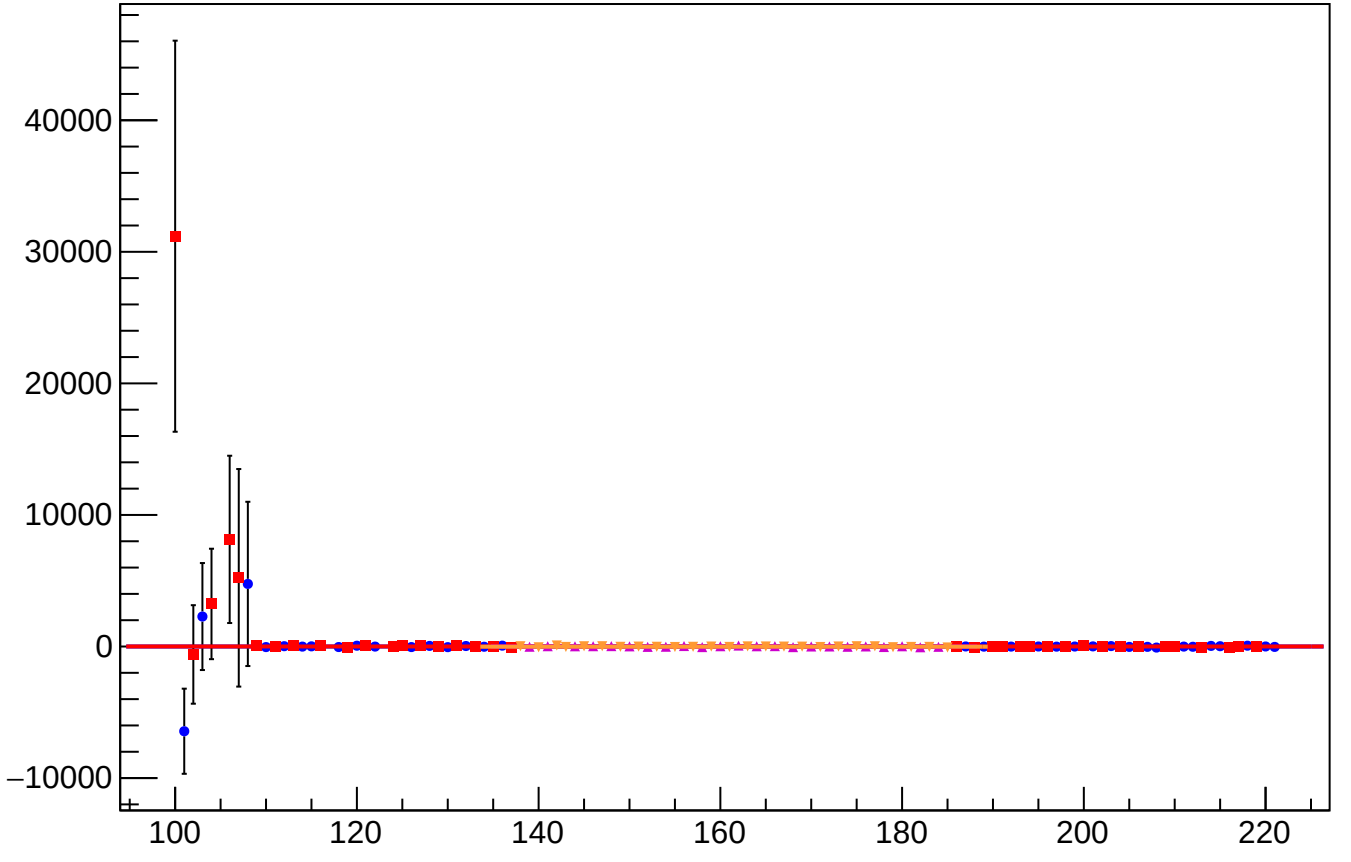
Right: 175.582+/-0.020 χ^2/NDF: 10844536.4/70

In: 179.831+/-0.021 χ^2/NDF:6607244.0/56

Out: 185.131+/-0.022 χ^2/NDF:7907095.8/61

All: 182.396+/-0.015 χ^2/NDF: 14544617.4/11

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: 3.309+/-6.198 χ^2/NDF: 41.4/36

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

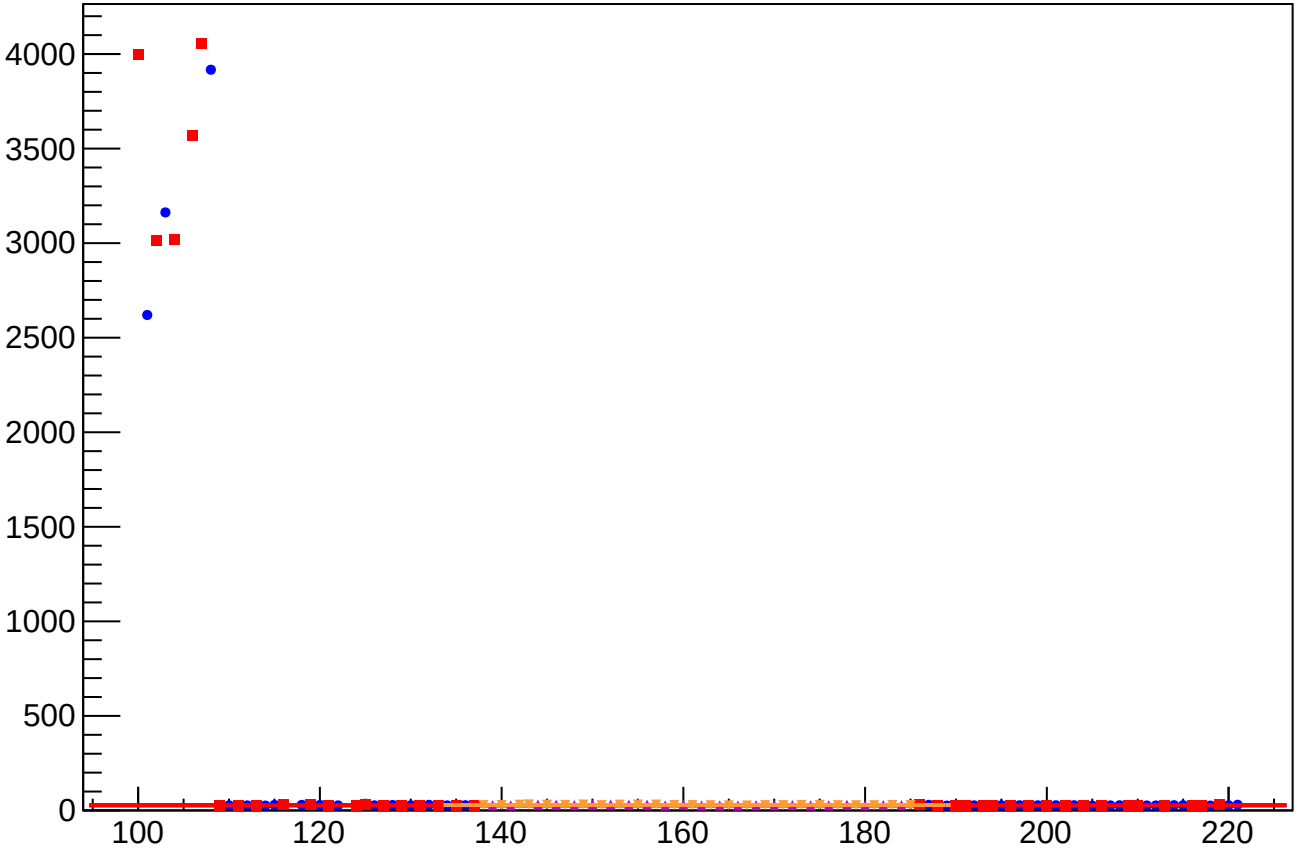
Right: 1.893+/-4.329 χ^2/NDF: 80.7/70

In: 1.452+/-4.499 χ^2/NDF:61.4/56

Out: -3.869+/-4.499 χ^2/NDF:62.1/61

All: -1.209+/-3.181 χ^2/NDF: 124.3/118

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: 27.302+/-0.004 χ^2/NDF: 3626140.8/36

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

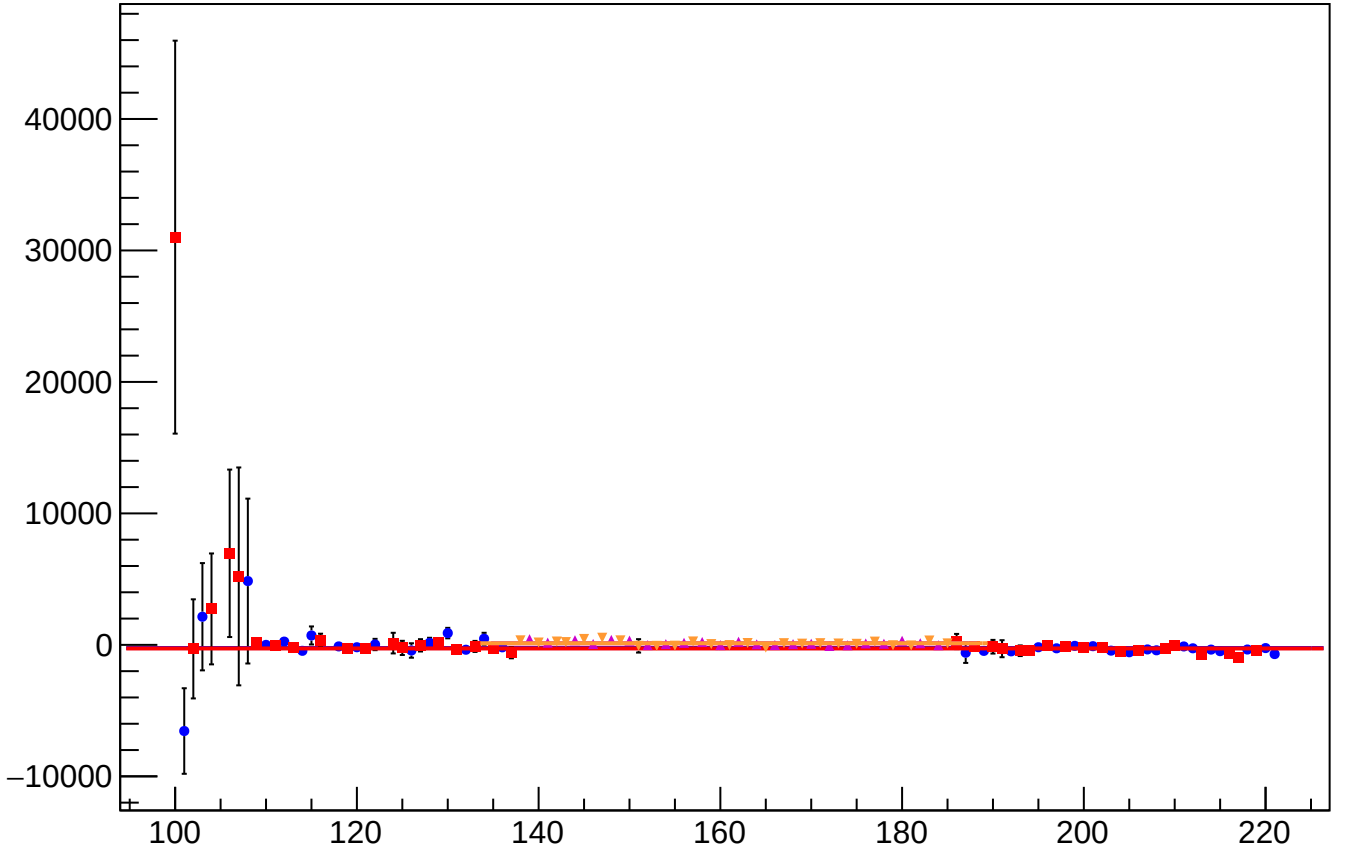
Right: 27.310+/-0.003 χ^2/NDF: 6938837.0/70

In: 27.947+/-0.003 χ^2/NDF:3488639.3/56

Out: 27.967+/-0.003 χ^2/NDF:3773665.9/61

All: 27.957+/-0.002 χ^2/NDF: 7262324.1/118

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



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: -271.844+/-41.536 χ^2/NDF: 44.9/36

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

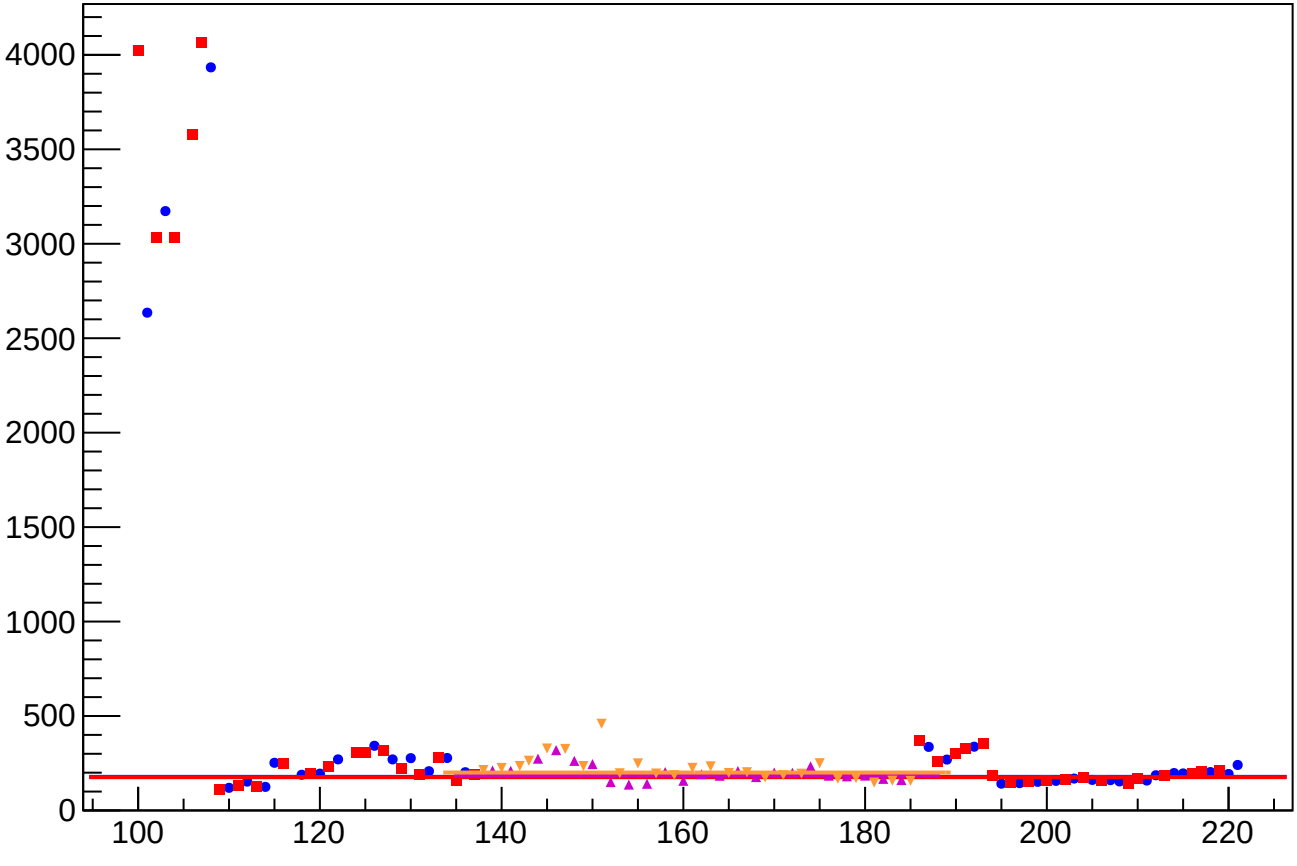
Right: -256.587+/-29.035 χ^2/NDF: 86.1/70

In: -79.258+/-30.226 χ^2/NDF:85.4/56

Out: -99.991+/-31.210 χ^2/NDF:95.6/61

All: -89.292+/-21.713 χ^2/NDF: 181.2/118

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: 176.191+/-0.029 χ^2/NDF: 5648247.0/36

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

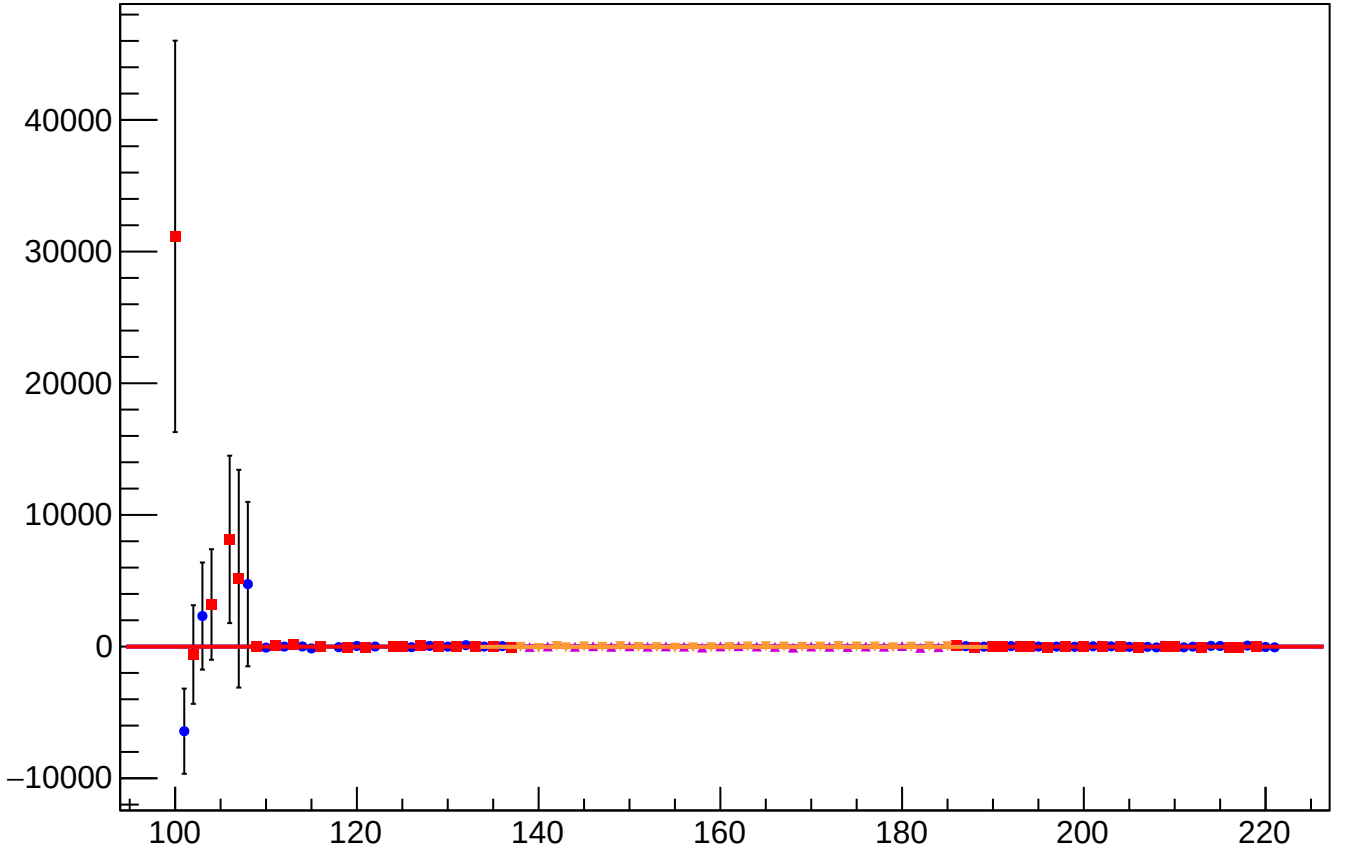
Right: 177.000+/-0.021 χ^2/NDF: 10742370.7/70

In: 181.516+/-0.021 χ^2/NDF:6544149.0/56

Out: 186.856+/-0.022 χ^2/NDF:7831153.1/61

All: 184.101+/-0.015 χ^2/NDF: 14405509.7/1

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: -6.079+/-7.555 χ^2/NDF: 39.3/36

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

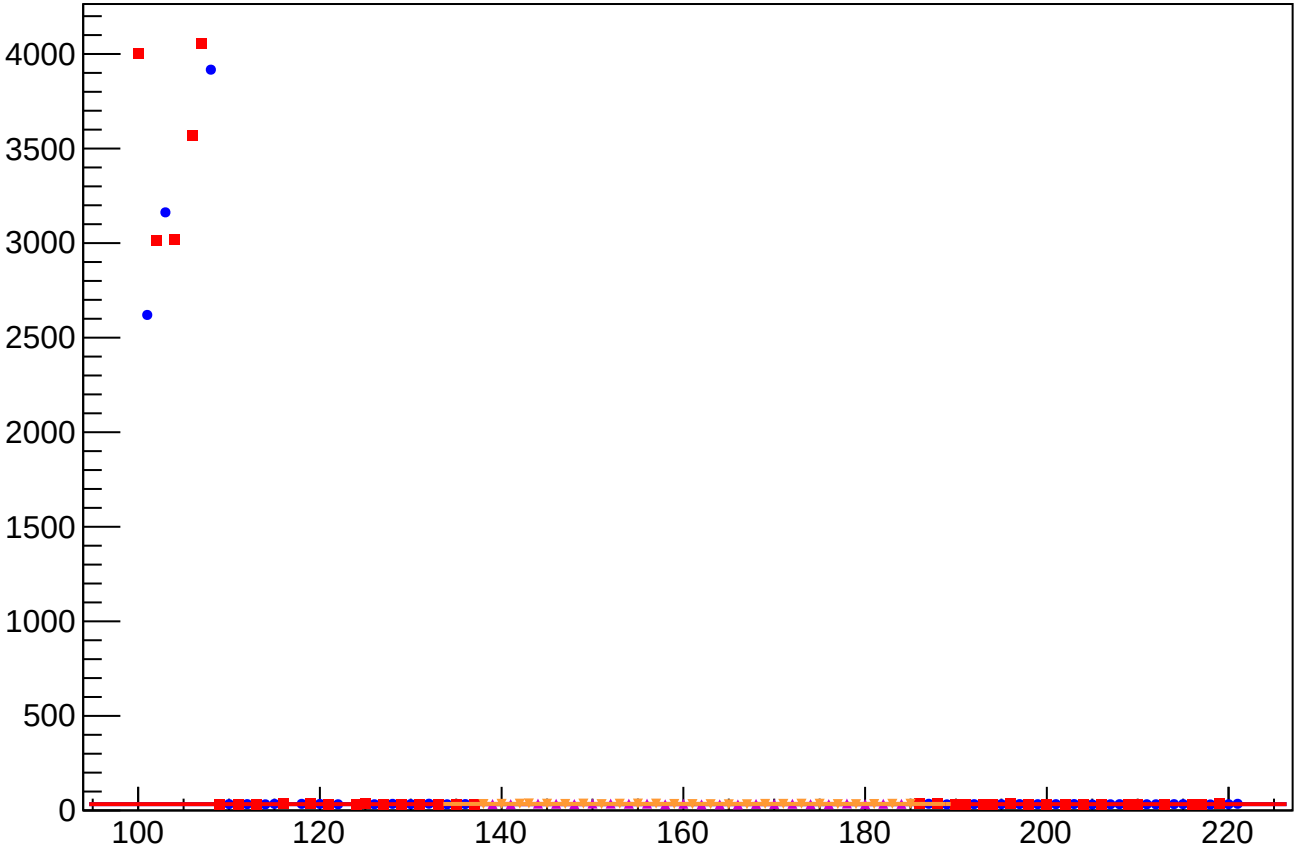
Right: -1.716+/-5.273 χ^2/NDF: 78.1/70

In: -0.500+/-5.443 χ^2/NDF:57.5/56

Out: -13.378+/-5.439 χ^2/NDF:64.1/61

All: -6.944+/-3.847 χ^2/NDF: 124.4/118

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: 33.331+/-0.005 χ^2/NDF: 3563378.2/36

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

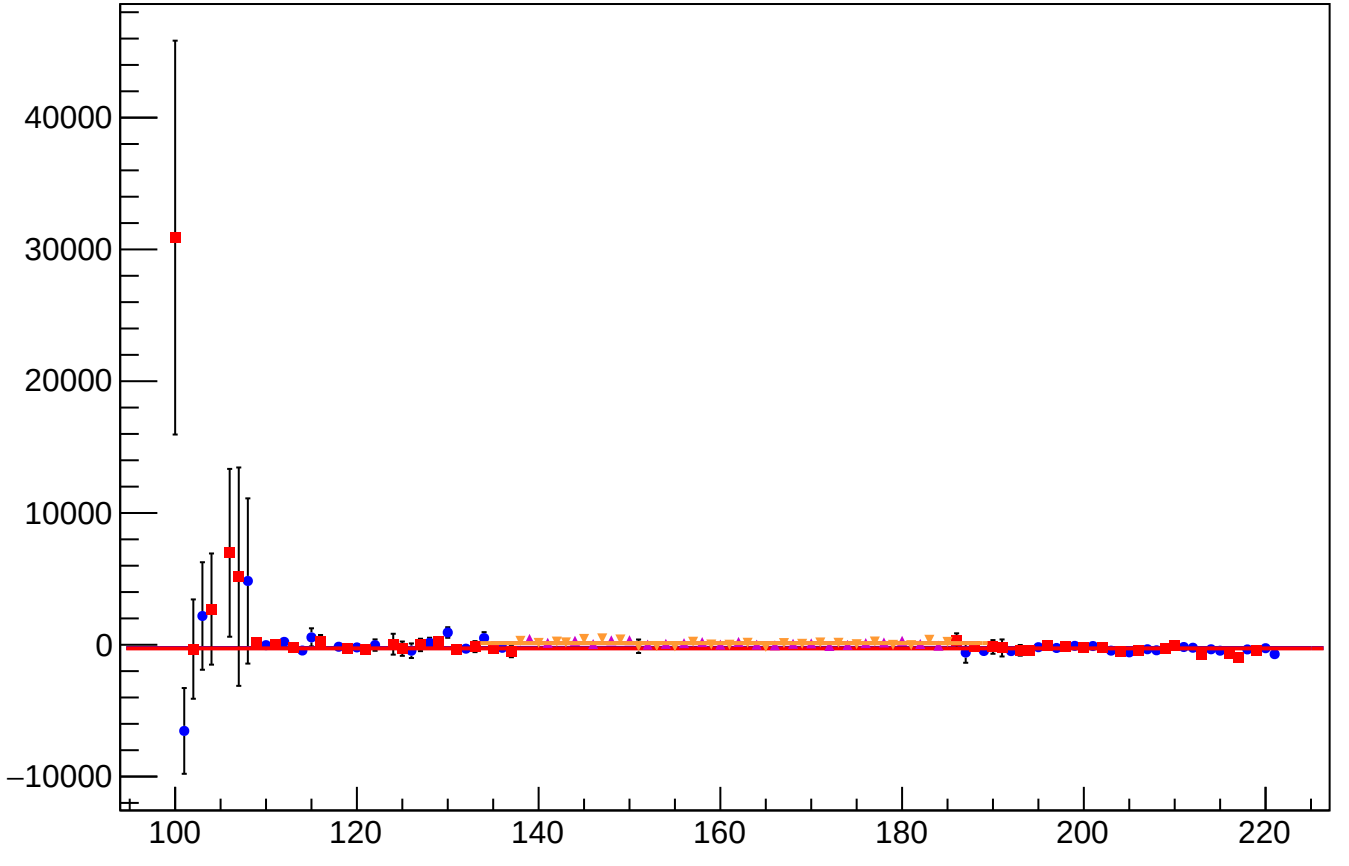
Right: 33.306+/-0.004 χ^2/NDF: 6830757.0/70

In: 33.858+/-0.004 χ^2/NDF:3353584.4/56

Out: 33.865+/-0.004 χ^2/NDF:3628783.8/61

All: 33.861+/-0.003 χ^2/NDF: 6982369.7/118

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: -273.965+/-41.392 χ^2/NDF: 45.7/36

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

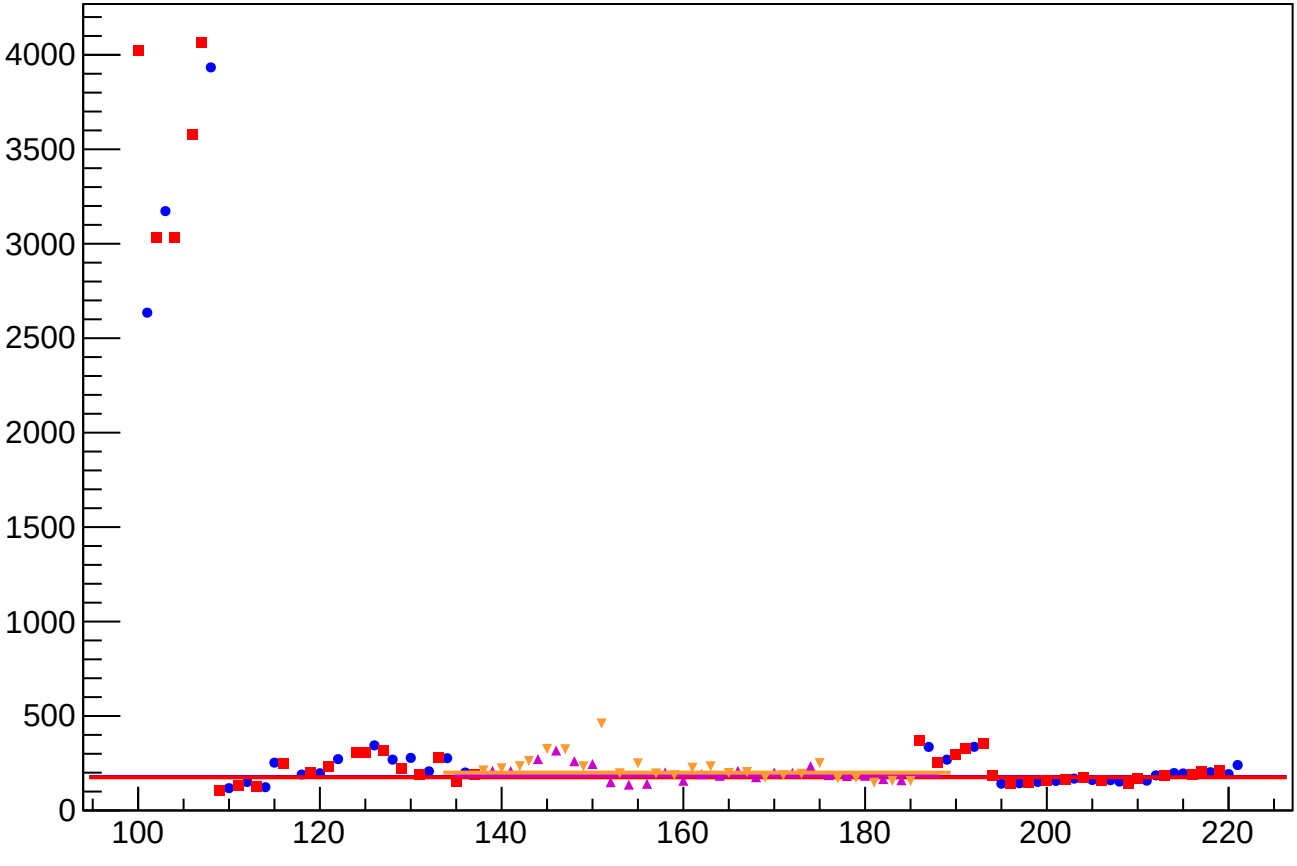
Right: -259.561+/-28.943 χ^2/NDF: 85.6/70

In: -81.700+/-30.157 χ^2/NDF:84.6/56

Out: -99.474+/-31.129 χ^2/NDF:98.2/61

All: -90.305+/-21.659 χ^2/NDF: 183.0/118

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: 175.448+/-0.029 χ^2/NDF: 5700465.6/36

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

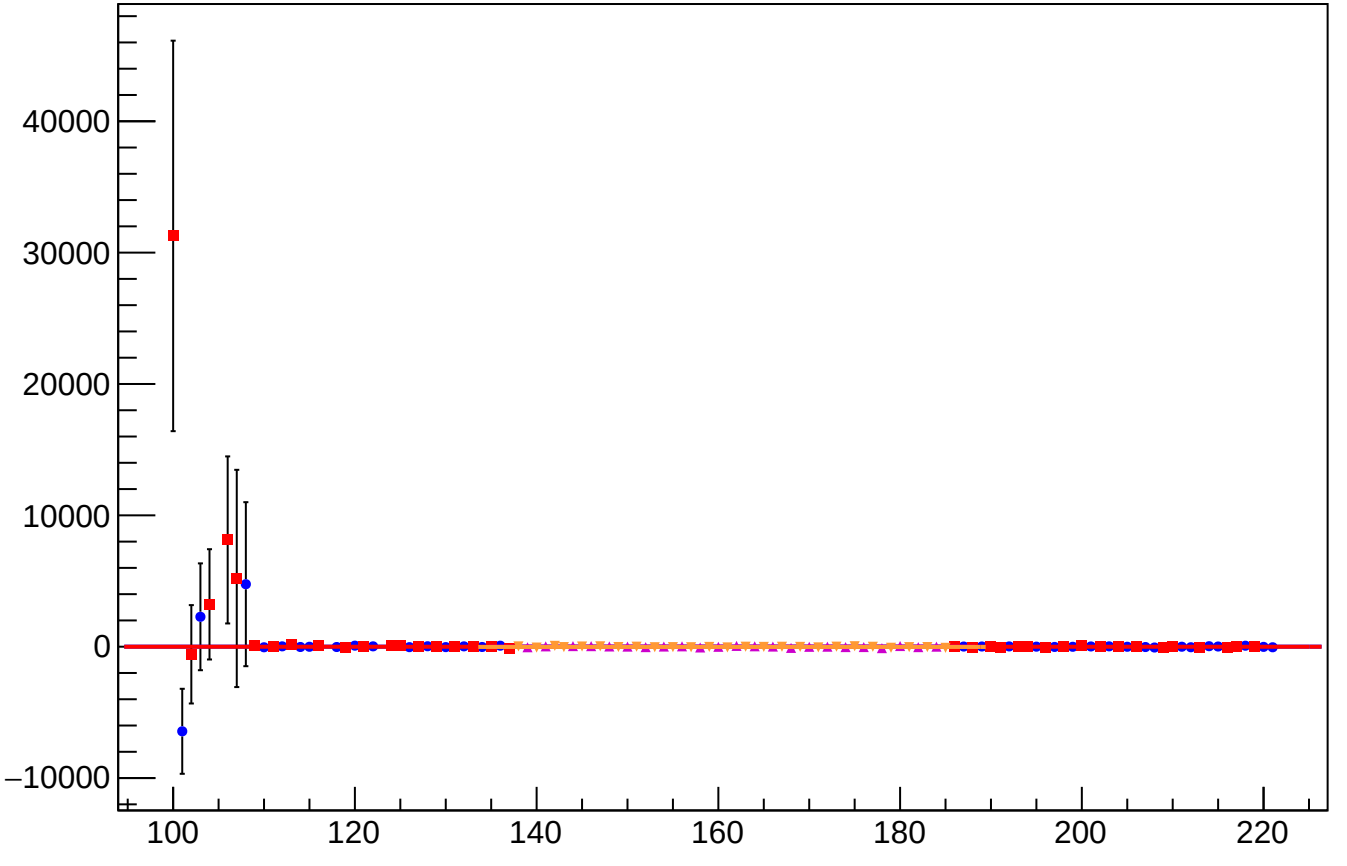
Right: 176.330+/-0.020 χ^2/NDF: 10827123.5/70

In: 181.046+/-0.021 χ^2/NDF:6571487.7/56

Out: 186.276+/-0.022 χ^2/NDF:7892030.5/61

All: 183.578+/-0.015 χ^2/NDF: 14492638.1/11

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: -2.467+/-6.833 χ^2/NDF: 46.5/36

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

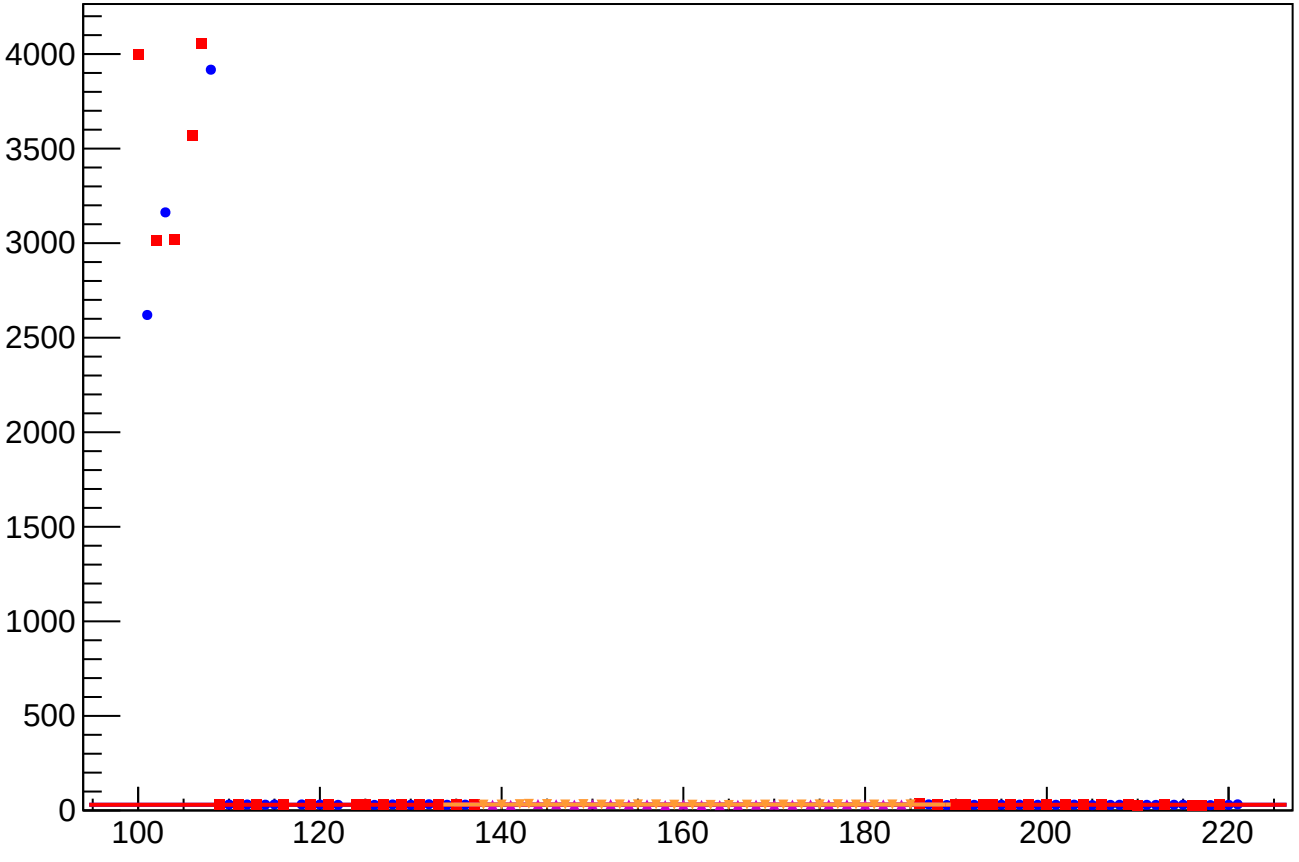
Right: 1.024+/-4.770 χ^2/NDF: 81.0/70

In: 1.161+/-4.935 χ^2/NDF:70.1/56

Out: -10.176+/-4.935 χ^2/NDF:69.6/61

All: -4.508+/-3.490 χ^2/NDF: 142.3/118

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: 30.122+/-0.005 χ^2/NDF: 3590189.8/36

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

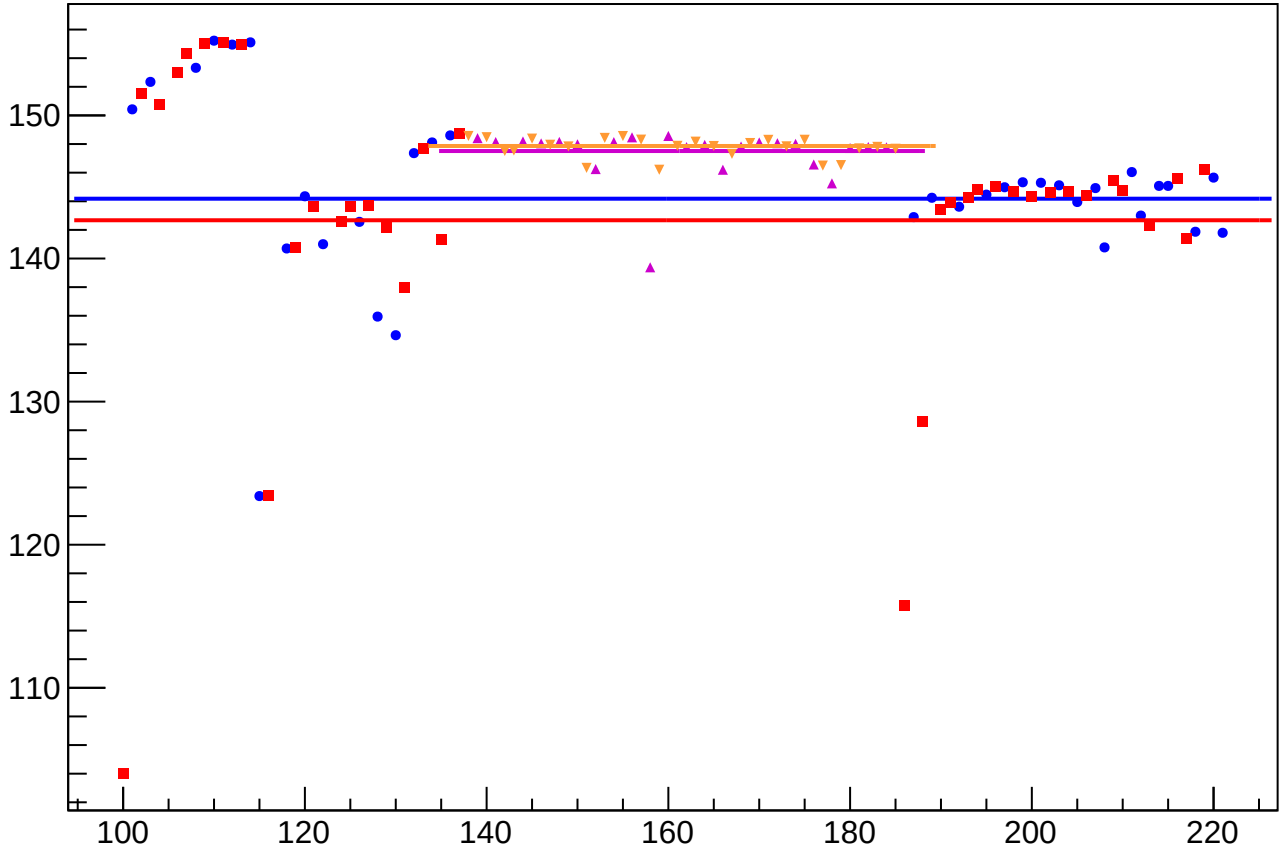
Right: 30.108+/-0.003 χ^2/NDF: 6882137.4/70

In: 30.674+/-0.003 χ^2/NDF:3410747.9/56

Out: 30.705+/-0.003 χ^2/NDF:3683609.1/61

All: 30.689+/-0.002 χ^2/NDF: 7094395.6/118

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: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

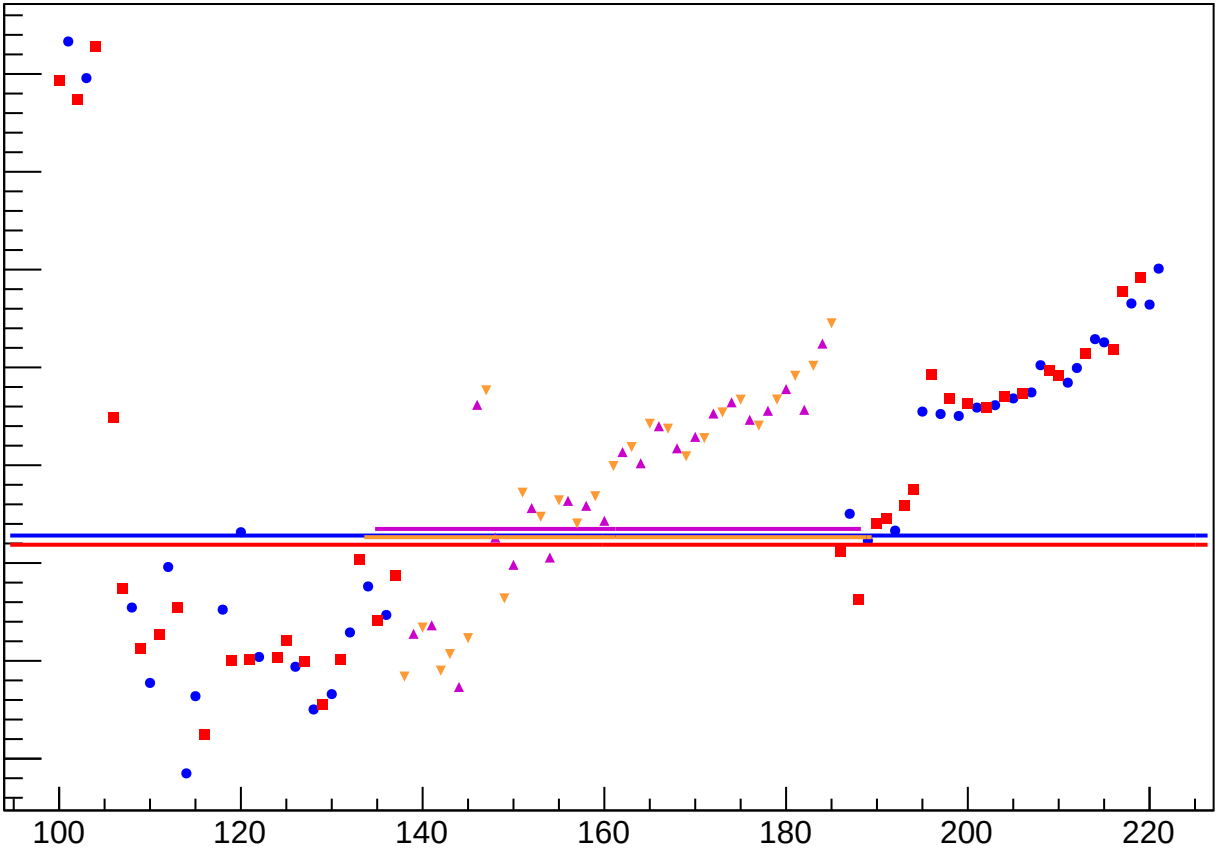
Right: 143.415+/-0.000 χ^2/NDF: 11547672808.0/70

In: 145.739+/-0.000 χ^2/NDF:4640828215.3/56

Out: 145.170+/-0.000 χ^2/NDF:9024309702.8/61

All: 145.447+/-0.000 χ^2/NDF: 13696807324.

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: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

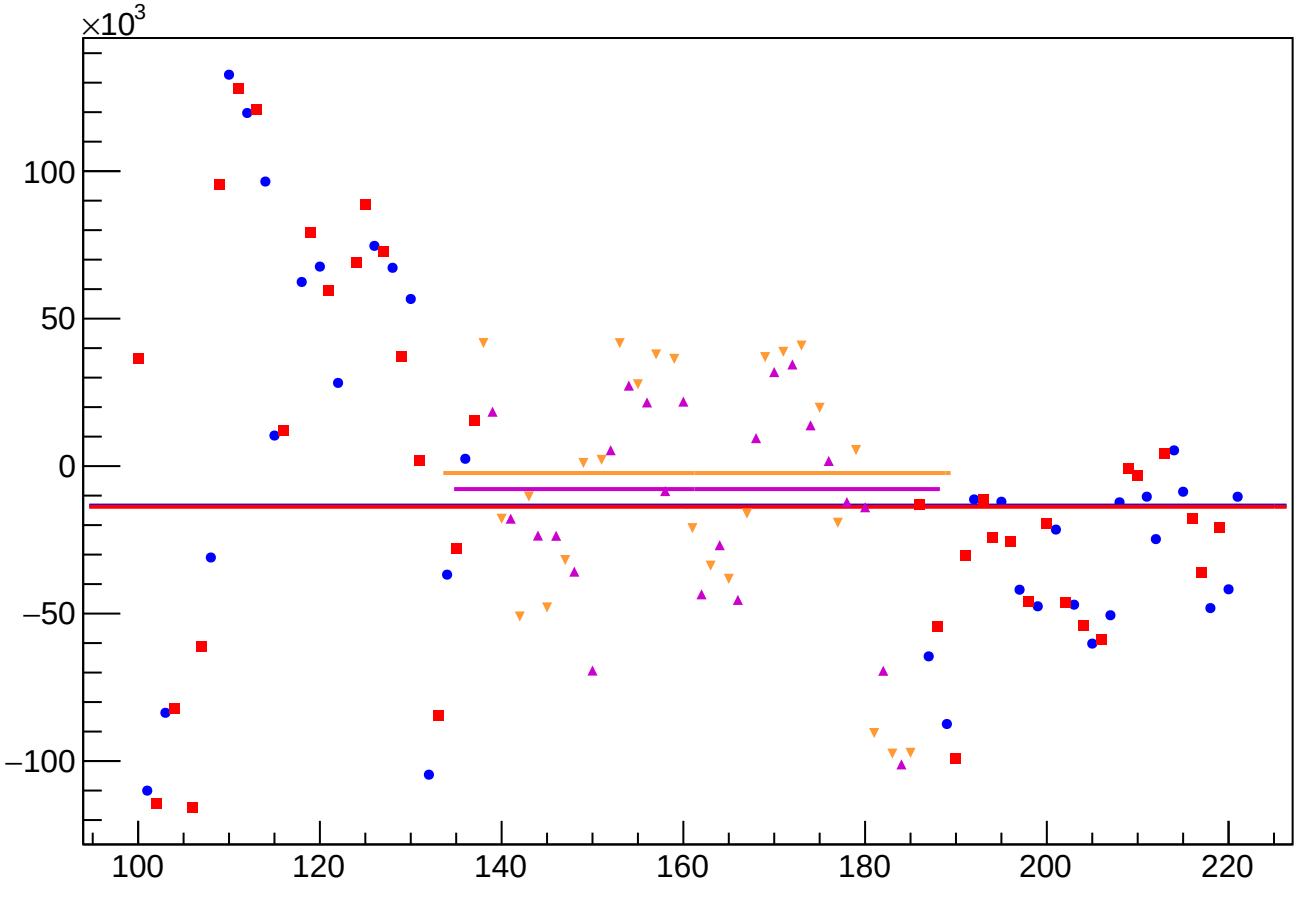
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.423+/-0.000 χ^2/NDF: 8986963.4/70

In: 0.431+/-0.000 χ^2/NDF:6573720.1/56

Out: 0.422+/-0.000 χ^2/NDF:6448564.9/61

All: 0.427+/-0.000 χ^2/NDF: 13037655.1/118



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: -13784.514+/-1.168 χ^2/NDF: 2418104833.2/36

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

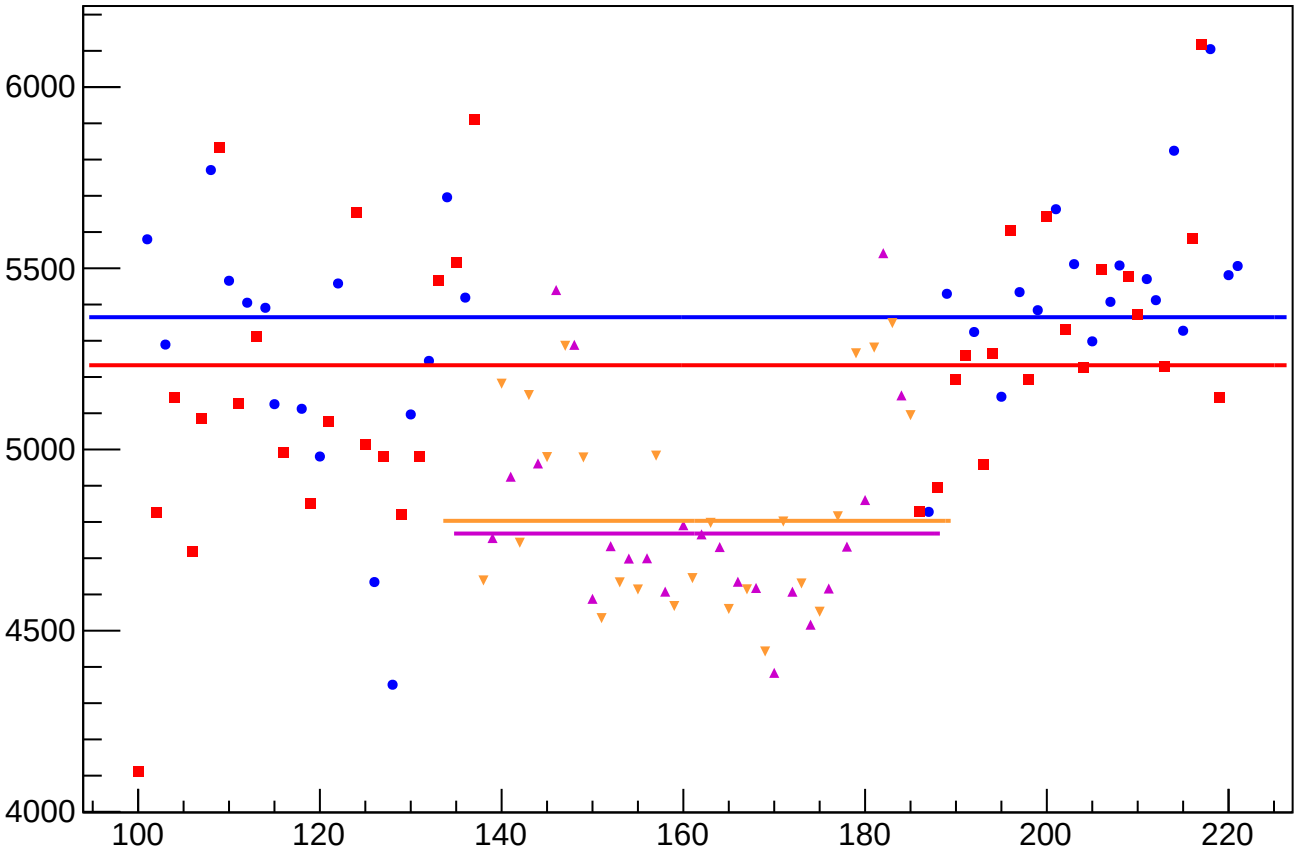
Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

Right: -13590.548+/-0.832 χ^2/NDF: 4416836594.7/

In: -10491.438+/-0.823 χ^2/NDF:2772736306.5/56

Out: -7841.117+/-0.810 χ^2/NDF:3697967460.1/61

All: -9144.055+/-0.577 χ^2/NDF: 6475971691



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: 5232.495+/-0.826 χ^2/NDF: 153101.1/36

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

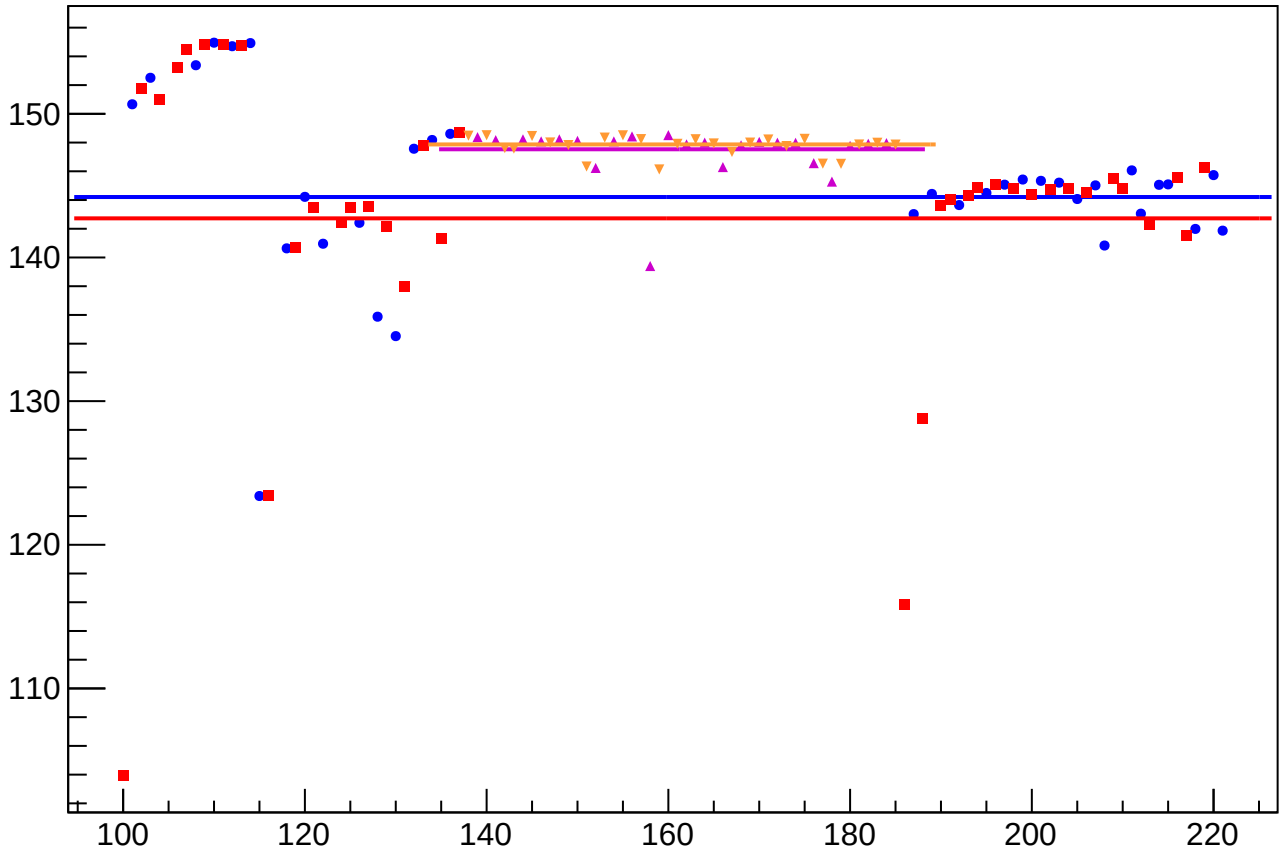
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5297.808+/-0.588 χ^2/NDF: 307799.1/70

In: 5056.128+/-0.582 χ^2/NDF:506930.6/56

Out: 5009.424+/-0.573 χ^2/NDF:408181.1/61

All: 5032.385+/-0.408 χ^2/NDF: 918383.3/118



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: 142.724+/-0.000 χ^2/NDF: 7597949626.3/36

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

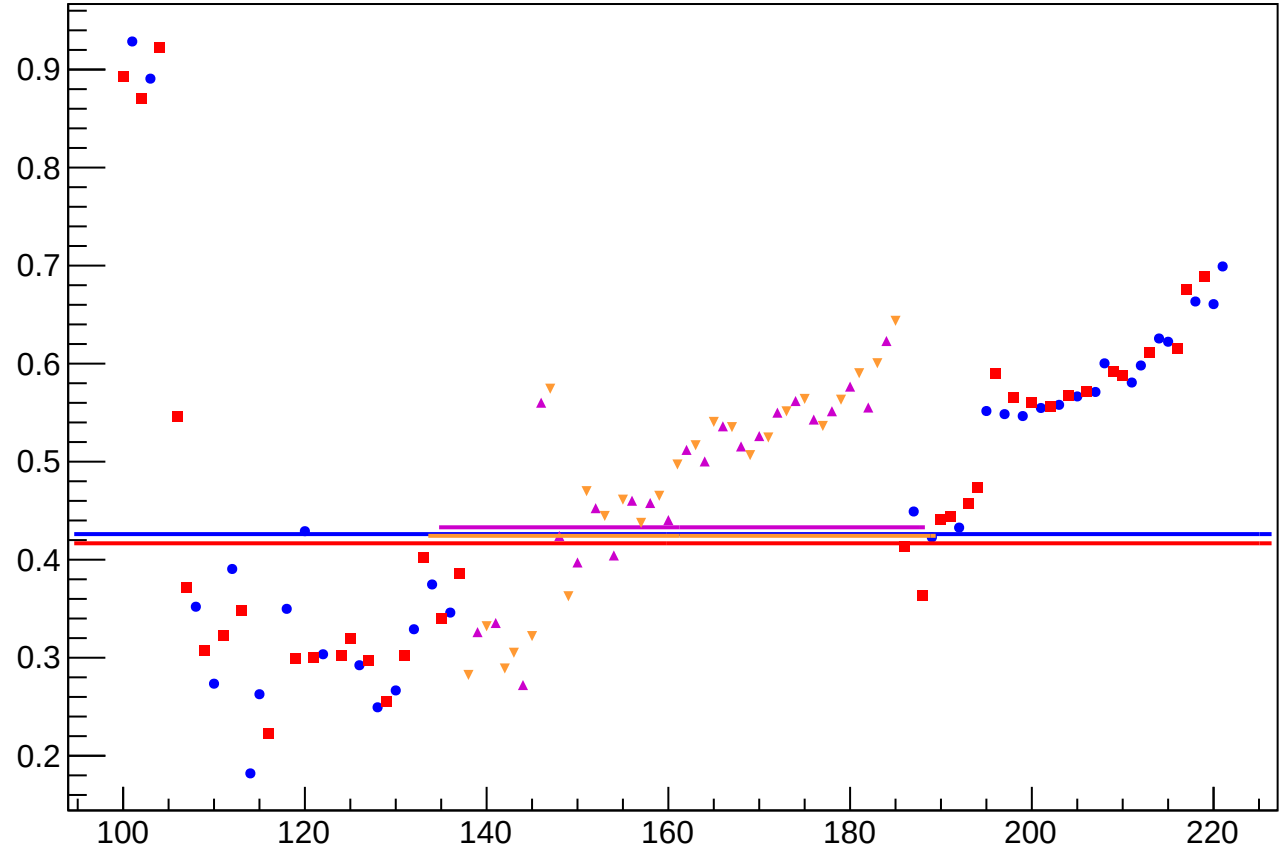
Right: 143.455+/-0.000 χ^2/NDF: 11560915557.9/70

In: 145.763+/-0.000 χ^2/NDF:4683850257.1/56

Out: 145.200+/-0.000 χ^2/NDF:8988462088.6/61

All: 145.474+/-0.000 χ^2/NDF: 13703716829.

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: 0.417+/-0.000 χ^2/NDF: 4191304.9/36

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

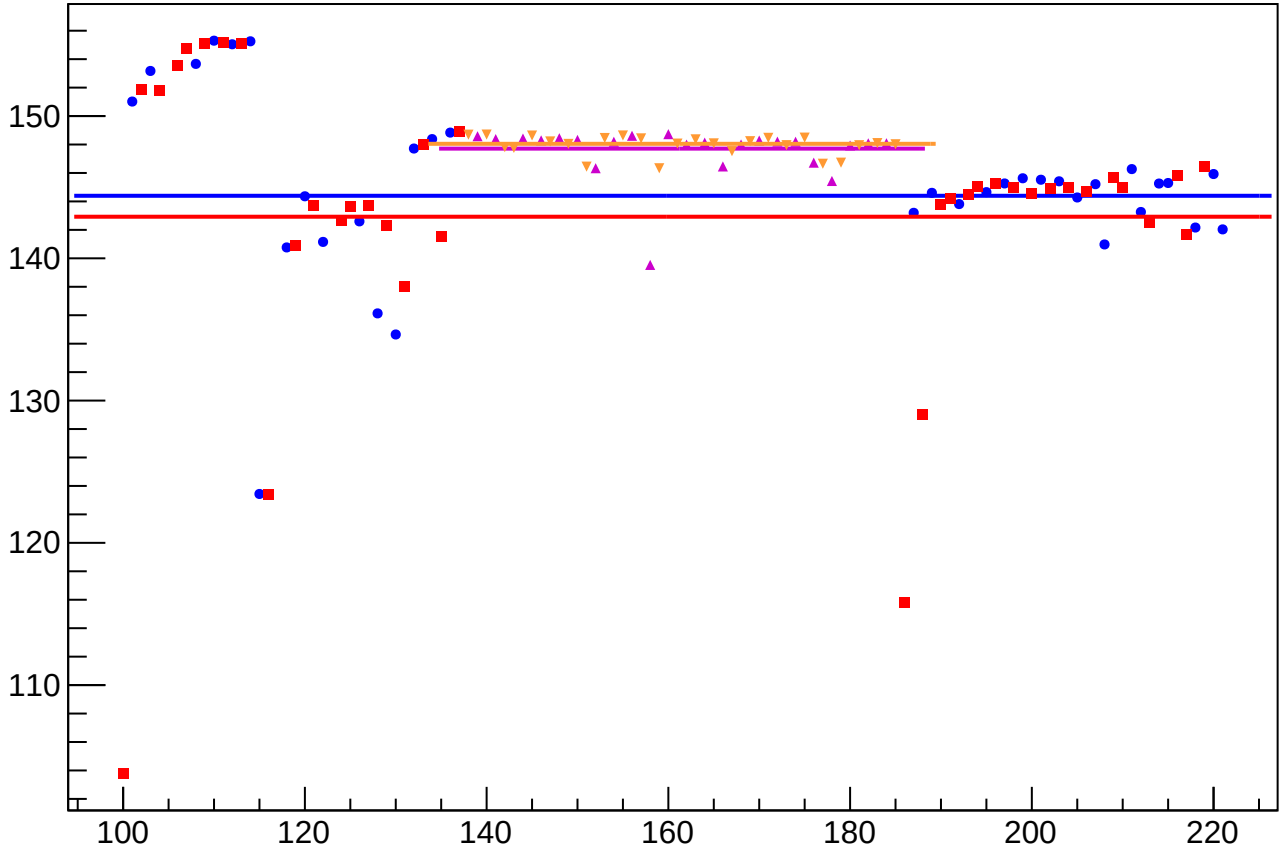
Right: 0.421+/-0.000 χ^2/NDF: 8996379.3/70

In: 0.429+/-0.000 χ^2/NDF:6571684.3/56

Out: 0.420+/-0.000 χ^2/NDF:6457948.1/61

All: 0.425+/-0.000 χ^2/NDF: 13045491.5/118

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: 142.925+/-0.000 χ^2/NDF: 7531789705.8/36

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

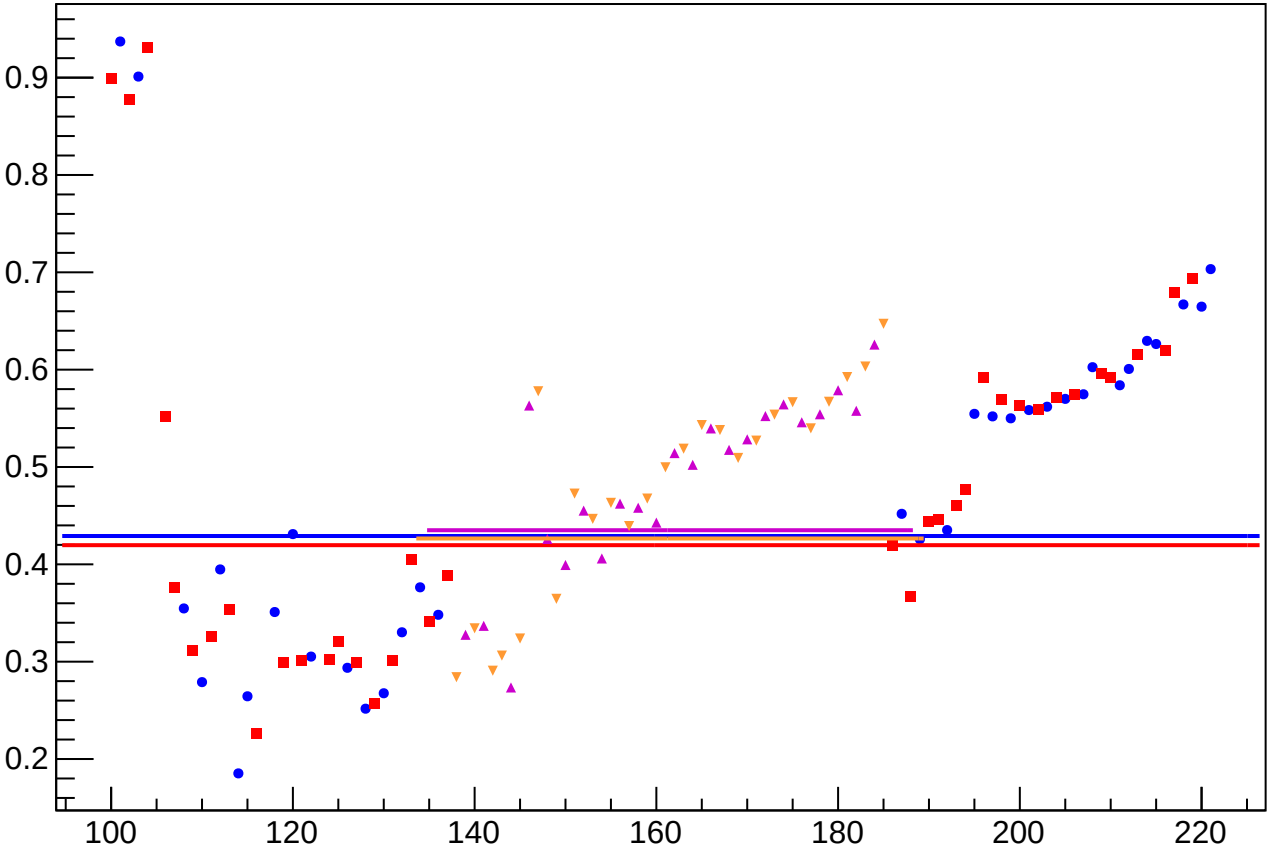
Right: 143.649+/-0.000 χ^2/NDF: 11485616218.5/70

In: 145.950+/-0.000 χ^2/NDF:4674490744.6/56

Out: 145.395+/-0.000 χ^2/NDF:8895826552.8/61

All: 145.665+/-0.000 χ^2/NDF: 13600422681.

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: 0.420+/-0.000 χ^2/NDF: 4180624.7/36

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

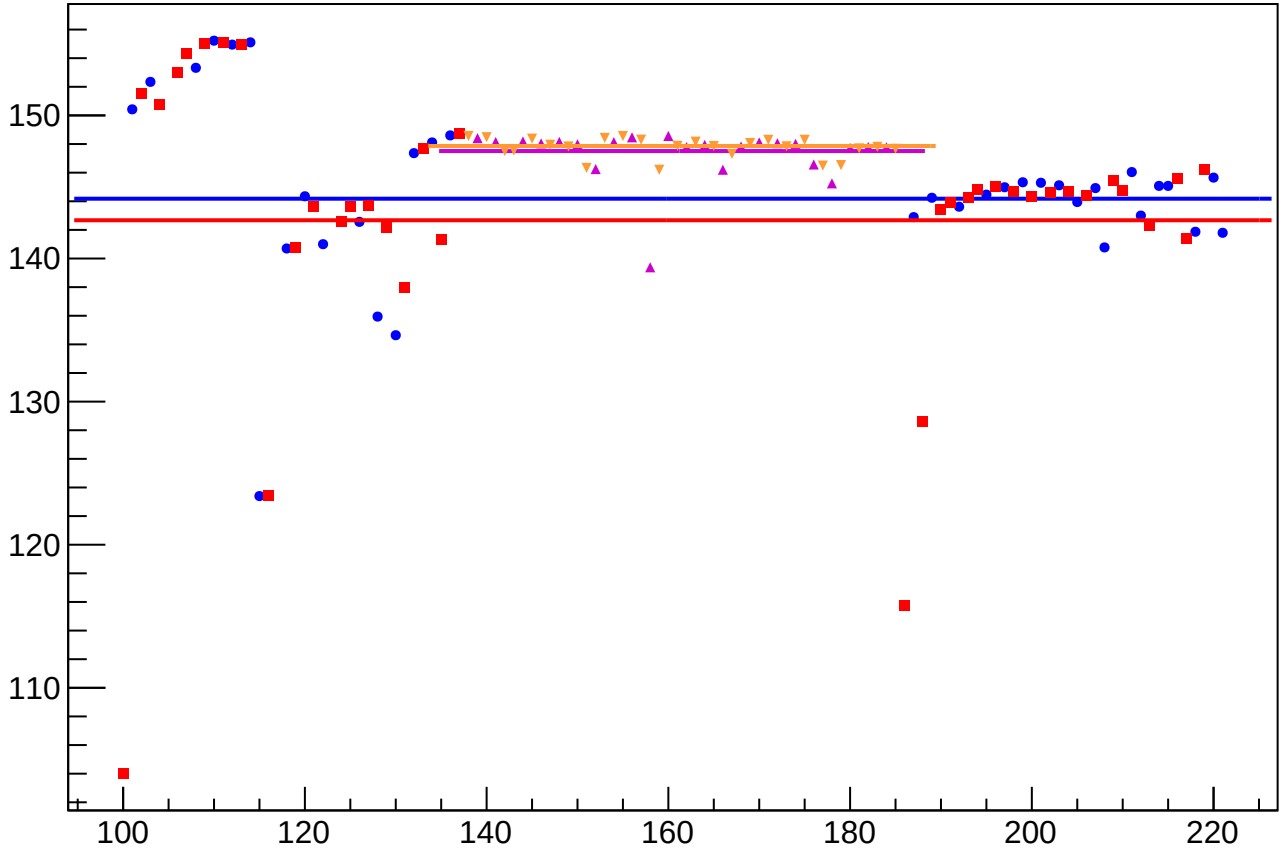
Right: 0.424+/-0.000 χ^2/NDF: 8965152.8/70

In: 0.432+/-0.000 χ^2/NDF:6548509.2/56

Out: 0.423+/-0.000 χ^2/NDF:6442857.0/61

All: 0.427+/-0.000 χ^2/NDF: 13006833.8/118

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: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

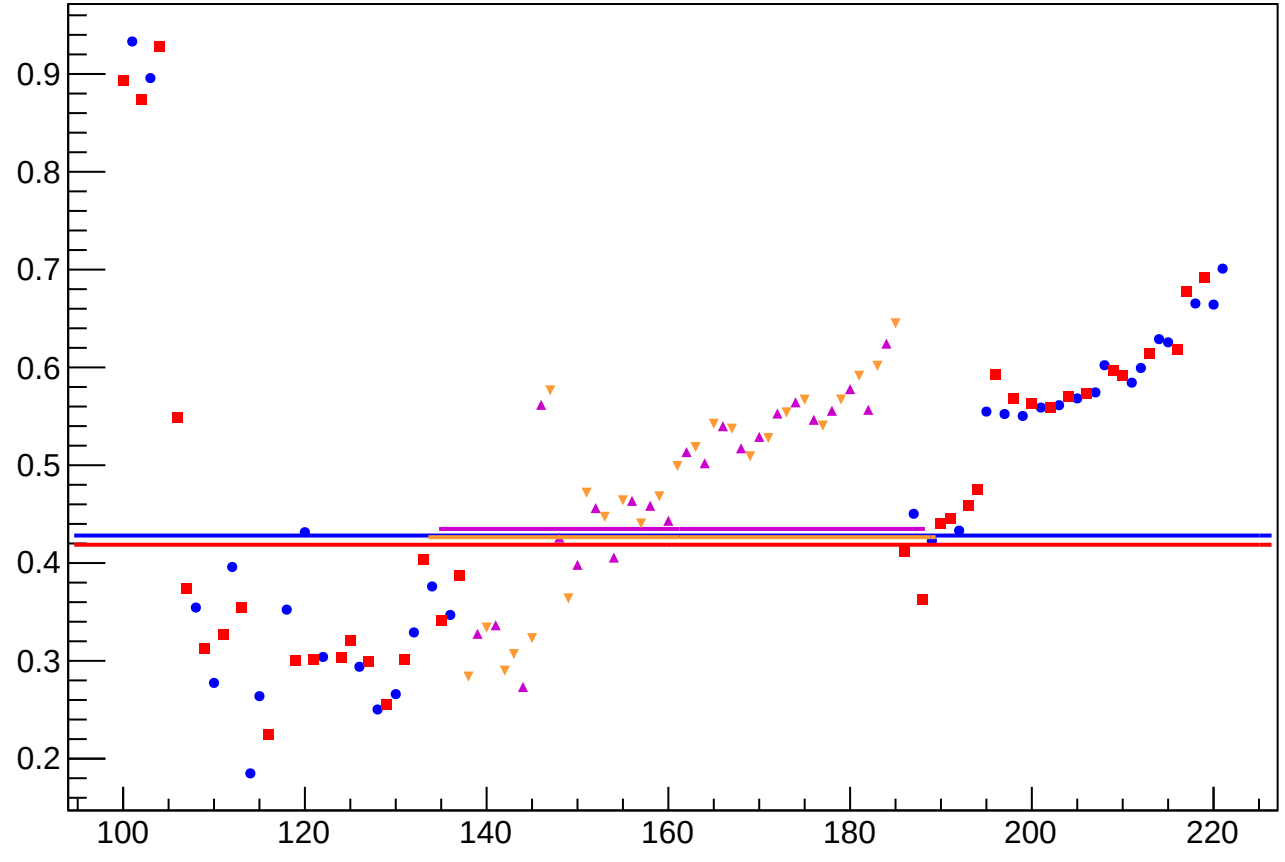
Right: 143.415+/-0.000 χ^2/NDF: 11547672808.0/70

In: 145.739+/-0.000 χ^2/NDF:4640828215.3/56

Out: 145.170+/-0.000 χ^2/NDF:9024309702.8/61

All: 145.447+/-0.000 χ^2/NDF: 13696807324.

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: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

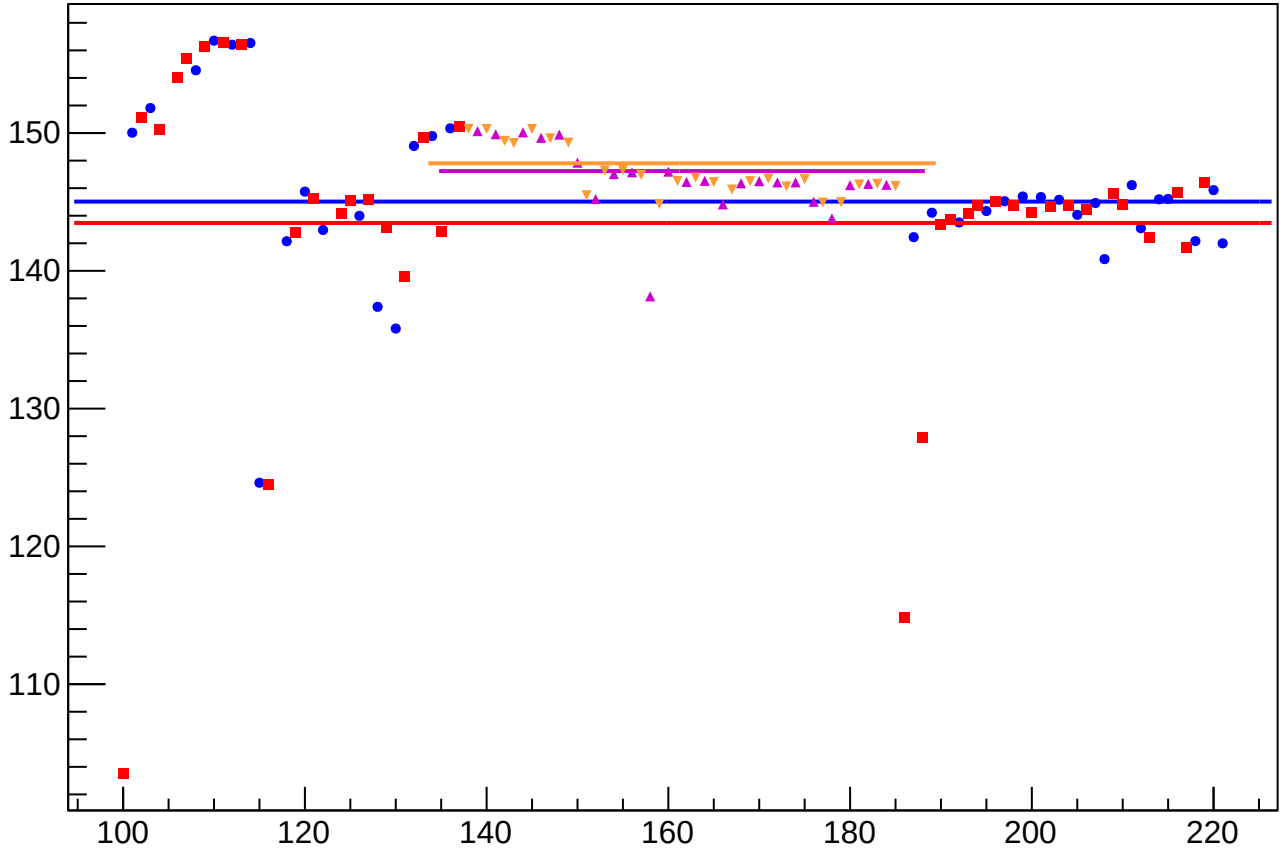
Right: 0.423+/-0.000 χ^2/NDF: 8986963.4/70

In: 0.431+/-0.000 χ^2/NDF:6573720.1/56

Out: 0.422+/-0.000 χ^2/NDF:6448564.9/61

All: 0.427+/-0.000 χ^2/NDF: 13037655.1/118

yield_bcm_dg_us_mean vs Slug, Sign Corrected



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: 143.475+/-0.000 χ^2/NDF: 7662965360.5/36

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

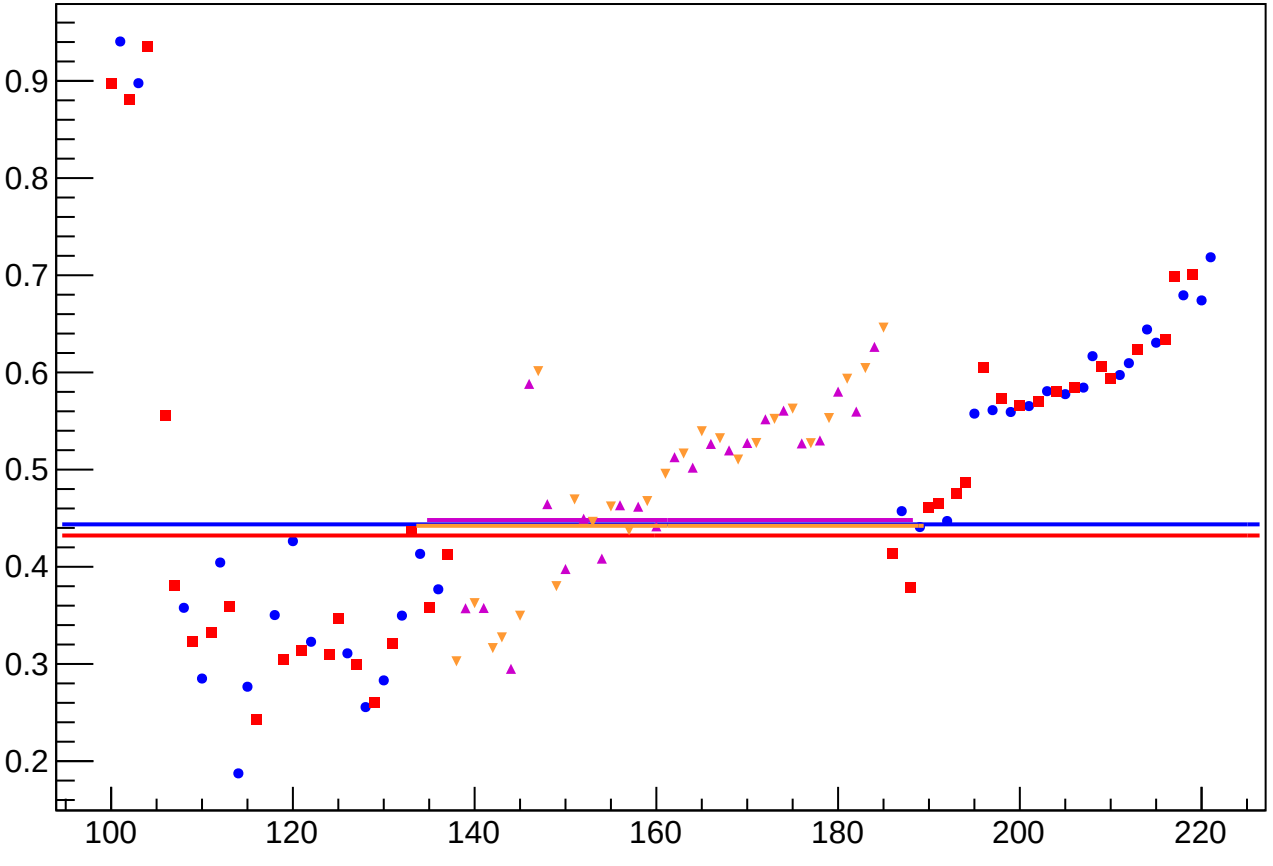
Right: 144.235+/-0.000 χ^2/NDF: 11387687474.9/70

In: 146.072+/-0.000 χ^2/NDF:4447305404.3/56

Out: 145.559+/-0.000 χ^2/NDF:8879046621.6/61

All: 145.809+/-0.000 χ^2/NDF: 13350744403.

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: 0.432+/-0.000 χ^2/NDF: 3983957.8/36

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

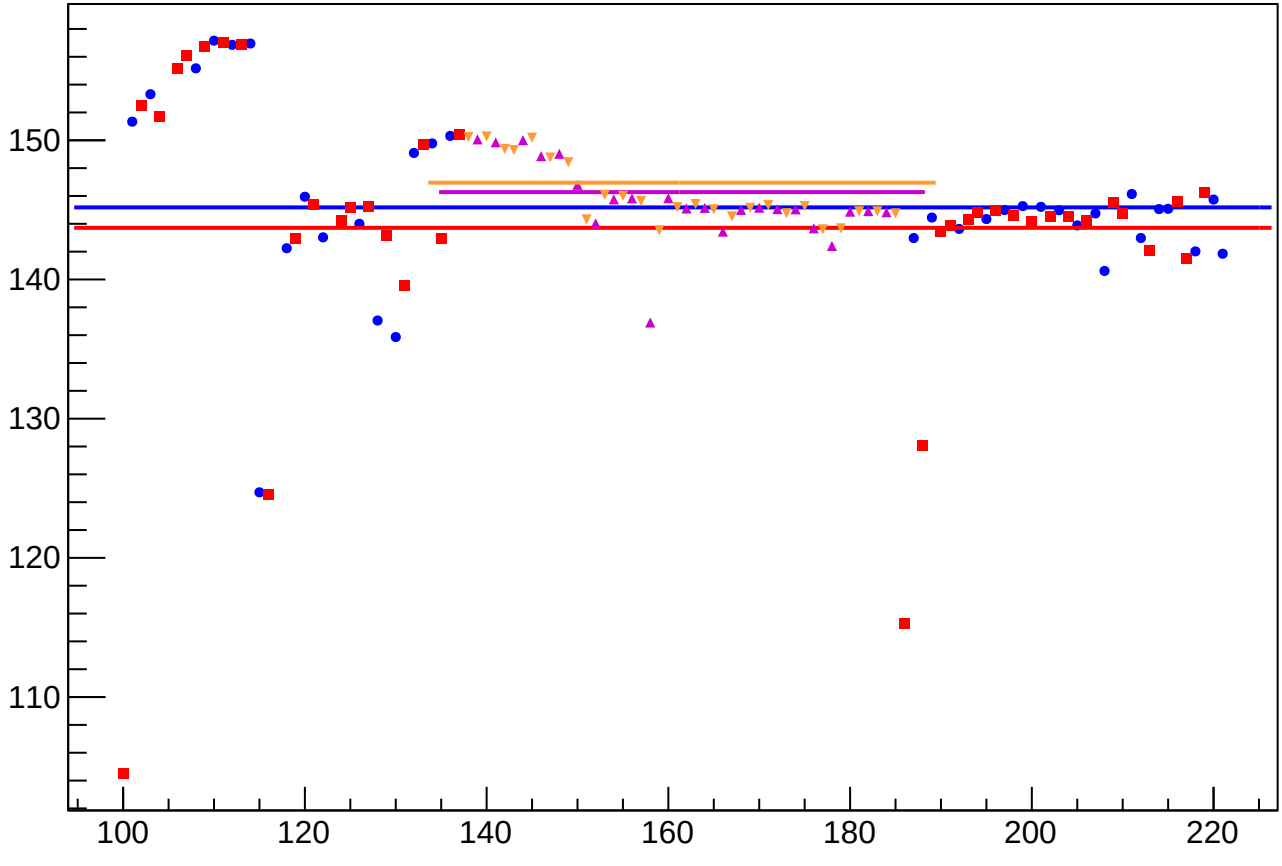
Right: 0.438+/-0.000 χ^2/NDF: 8521392.3/70

In: 0.446+/-0.000 χ^2/NDF:5874335.5/56

Out: 0.437+/-0.000 χ^2/NDF:5697599.9/61

All: 0.441+/-0.000 χ^2/NDF: 11586173.3/118

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: 143.712+/-0.000 χ^2/NDF: 7715666536.1/36

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

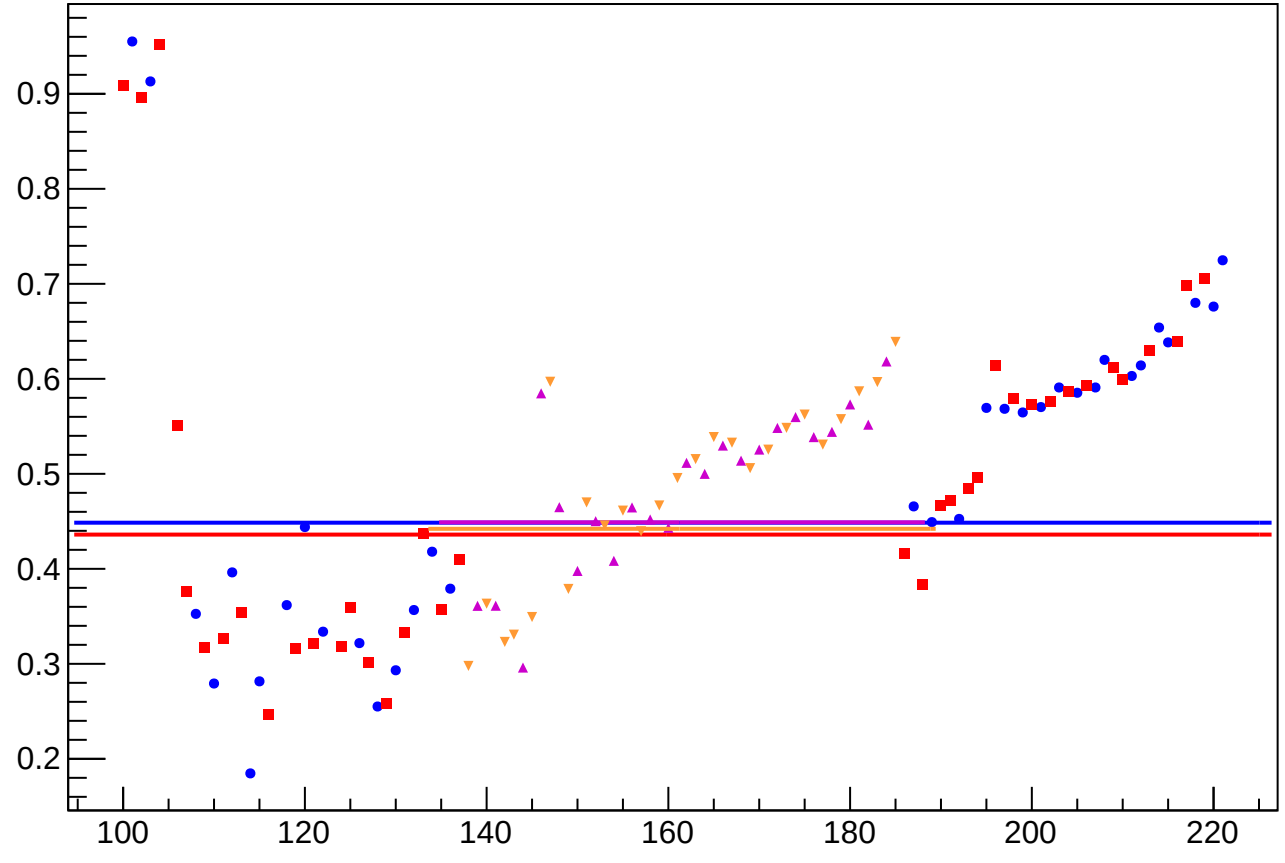
Right: 144.430+/-0.000 χ^2/NDF: 11593463848.2/70

In: 145.704+/-0.000 χ^2/NDF:4654715237.9/56

Out: 145.289+/-0.000 χ^2/NDF:8752792651.0/61

All: 145.491+/-0.000 χ^2/NDF: 13423182096.

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: 0.436+/-0.000 χ^2/NDF: 4002575.8/36

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

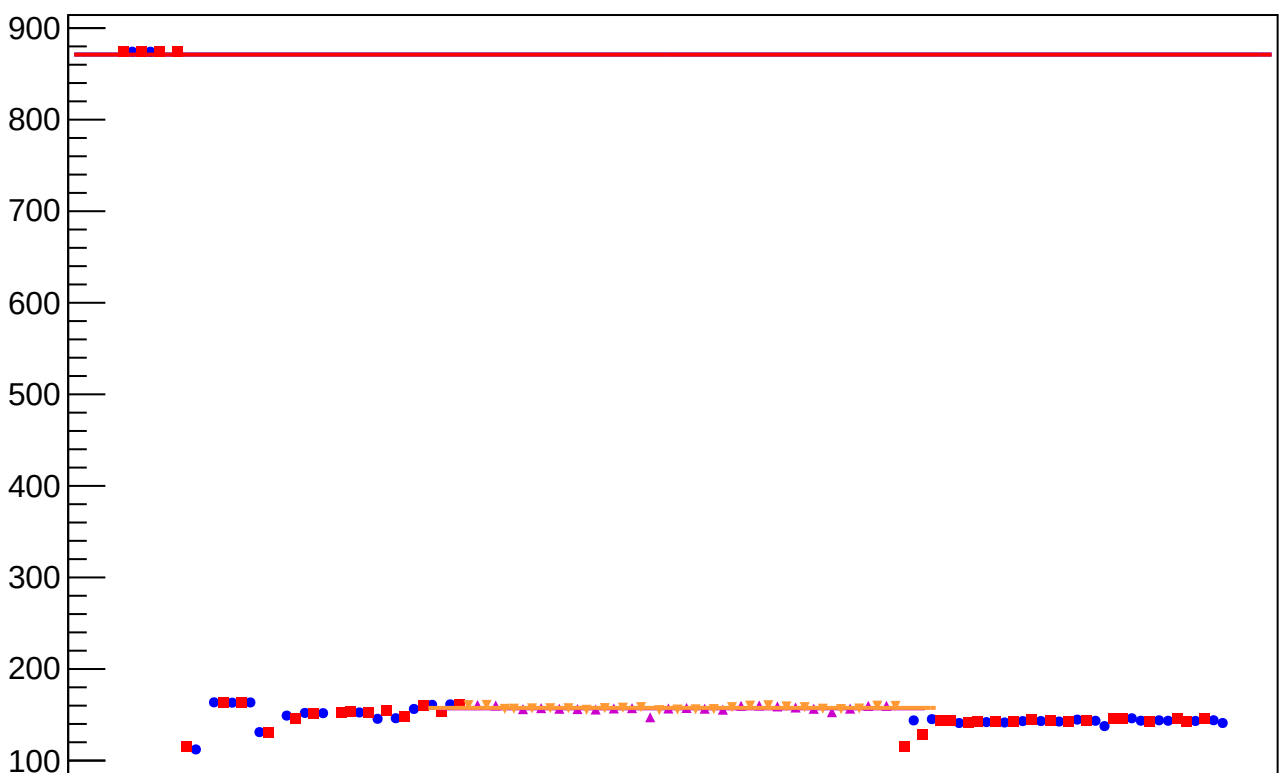
Right: 0.442+/-0.000 χ^2/NDF: 8558978.6/70

In: 0.449+/-0.000 χ^2/NDF:5842242.9/56

Out: 0.439+/-0.000 χ^2/NDF:5682729.8/61

All: 0.444+/-0.000 χ^2/NDF: 11542341.5/118

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: 871.053+/-0.000 χ^2/NDF: 18919595986121.8/36

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

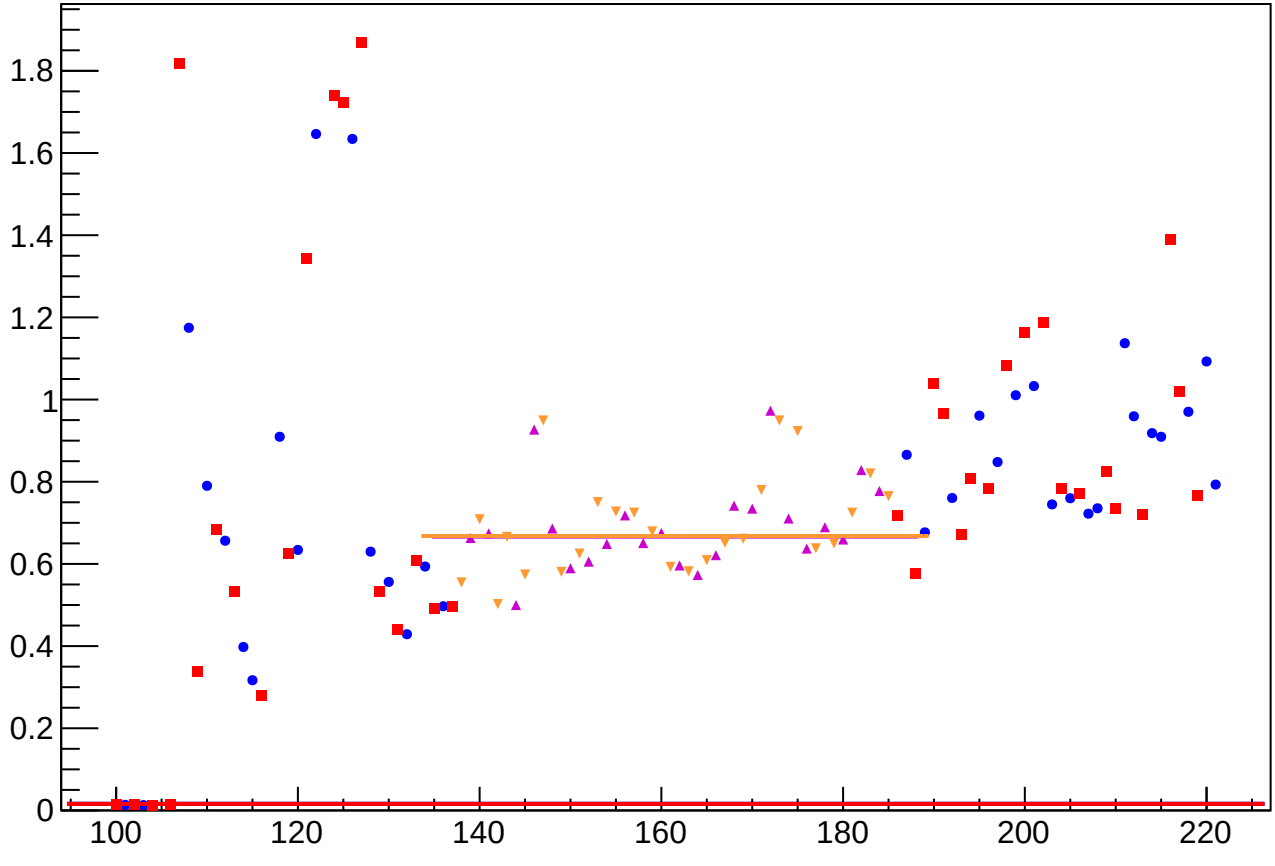
Right: 871.087+/-0.000 χ^2/NDF: 34935073452818.3

In: 867.899+/-0.000 χ^2/NDF:32468098010297.6/5

Out: 868.126+/-0.000 χ^2/NDF:36096379815637.6

All: 868.021+/-0.000 χ^2/NDF: 685646758068

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: 32746210.8/36

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

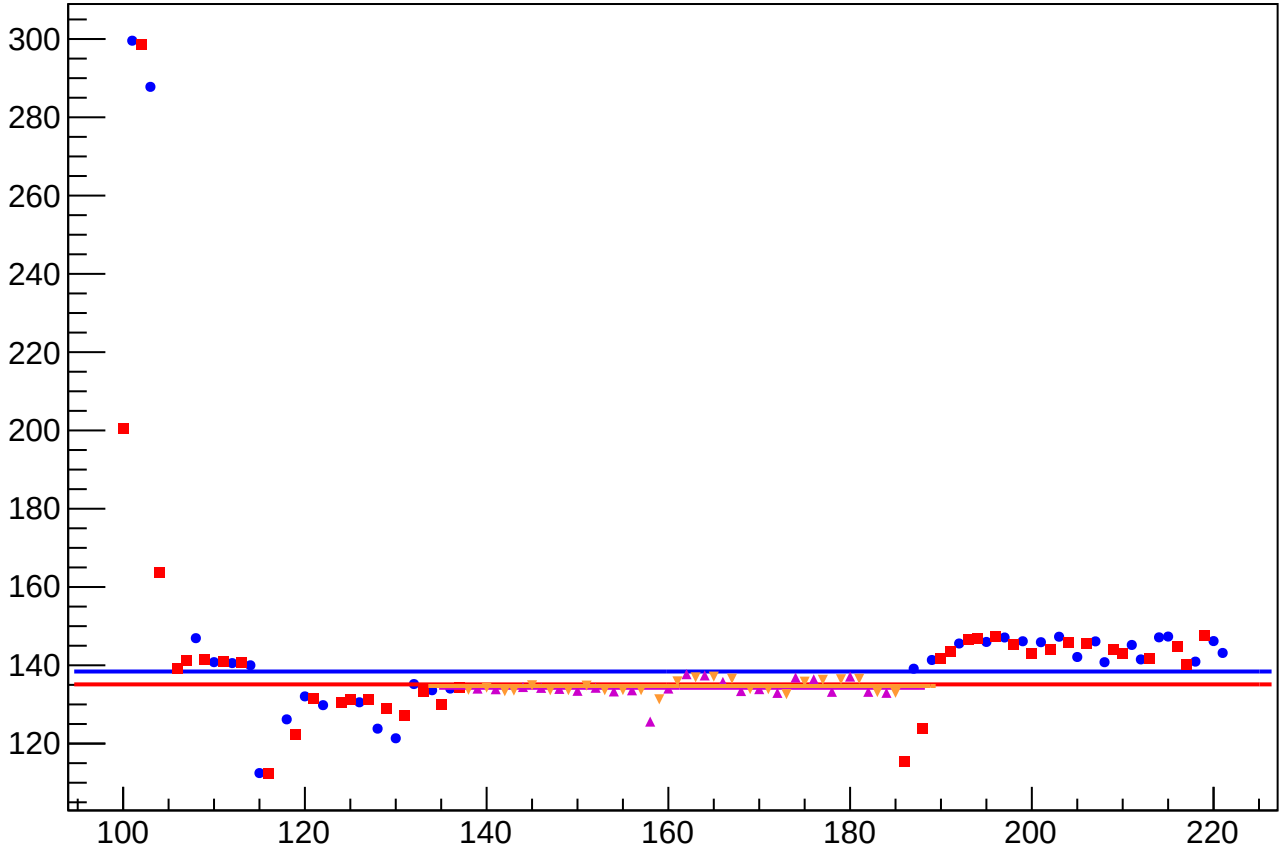
Right: 0.016+/-0.000 χ^2/NDF: 65806330.8/70

In: 0.019+/-0.000 χ^2/NDF:60869448.0/56

Out: 0.019+/-0.000 χ^2/NDF:62115480.5/61

All: 0.019+/-0.000 χ^2/NDF: 122987727.5/118

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: 135.123+/-0.000 χ^2/NDF: 5767866997.8/36

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

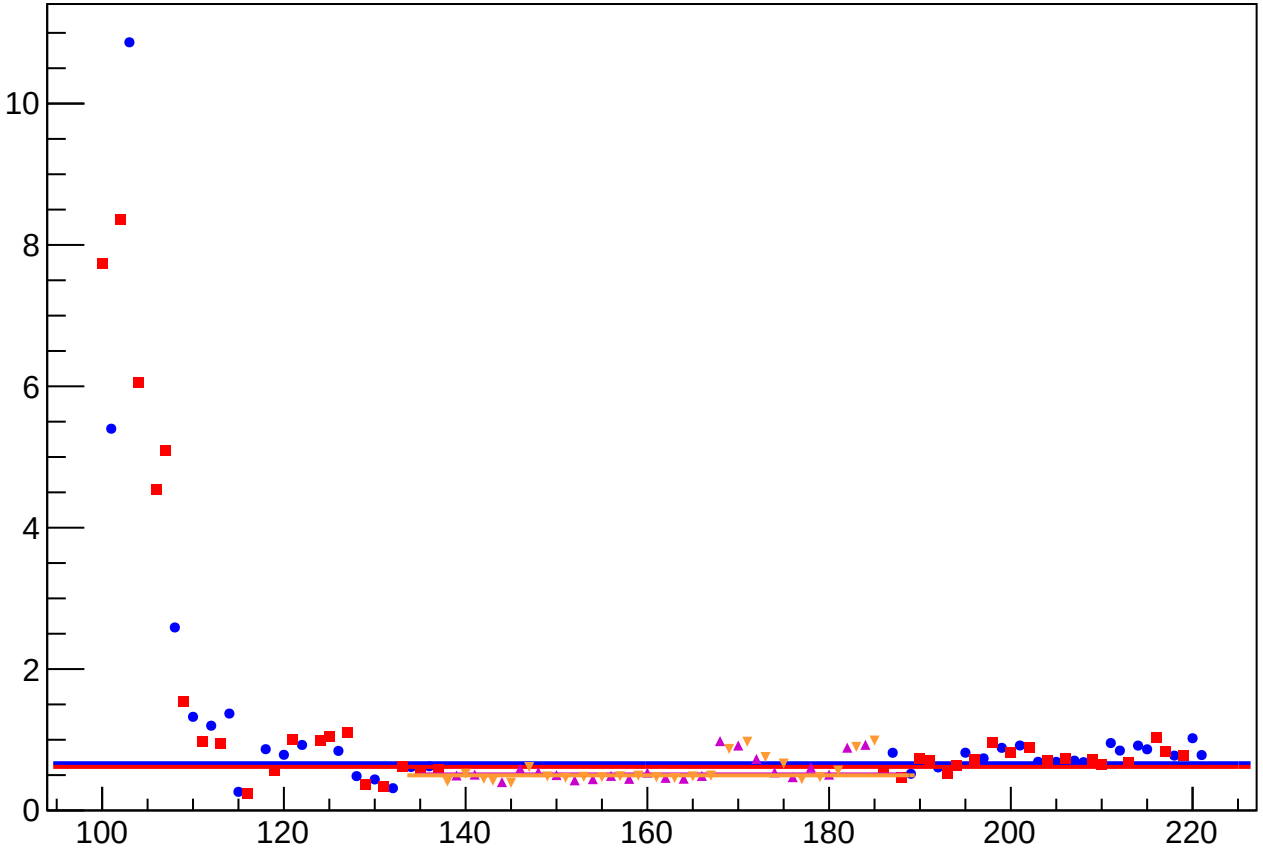
Right: 136.663+/-0.000 χ^2/NDF: 9796763409.8/70

In: 135.780+/-0.000 χ^2/NDF:4653252576.6/56

Out: 134.867+/-0.000 χ^2/NDF:5931949293.5/61

All: 135.298+/-0.000 χ^2/NDF: 10627248015.

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: 0.616+/-0.000 χ^2/NDF: 6475041.4/36

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

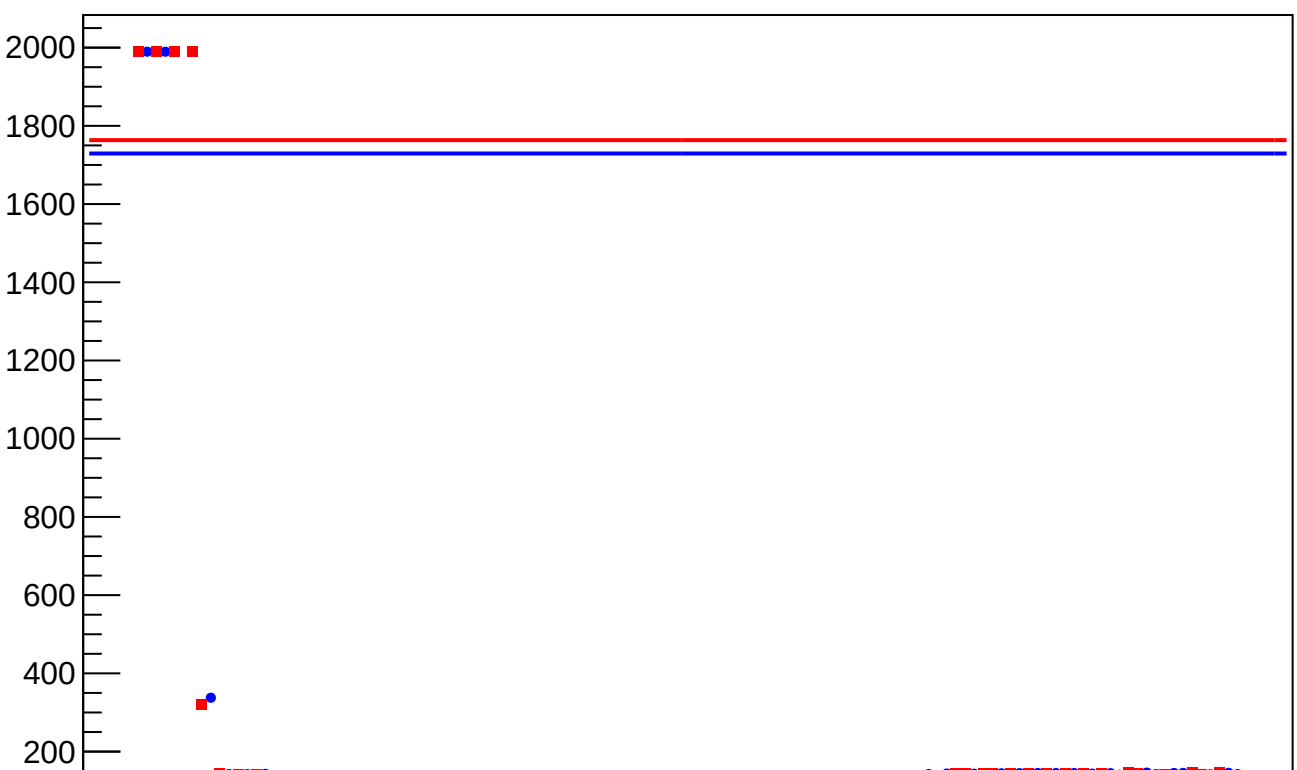
Right: 0.640+/-0.000 χ^2/NDF: 12257771.1/70

In: 0.568+/-0.000 χ^2/NDF:8281176.5/56

Out: 0.541+/-0.000 χ^2/NDF:8760028.2/61

All: 0.554+/-0.000 χ^2/NDF: 17110597.0/118

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1729.273+/-0.000 χ^2/NDF: 252786222300629.6/33

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1763.449+/-0.000 χ^2/NDF: 260530135647787.5/36

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

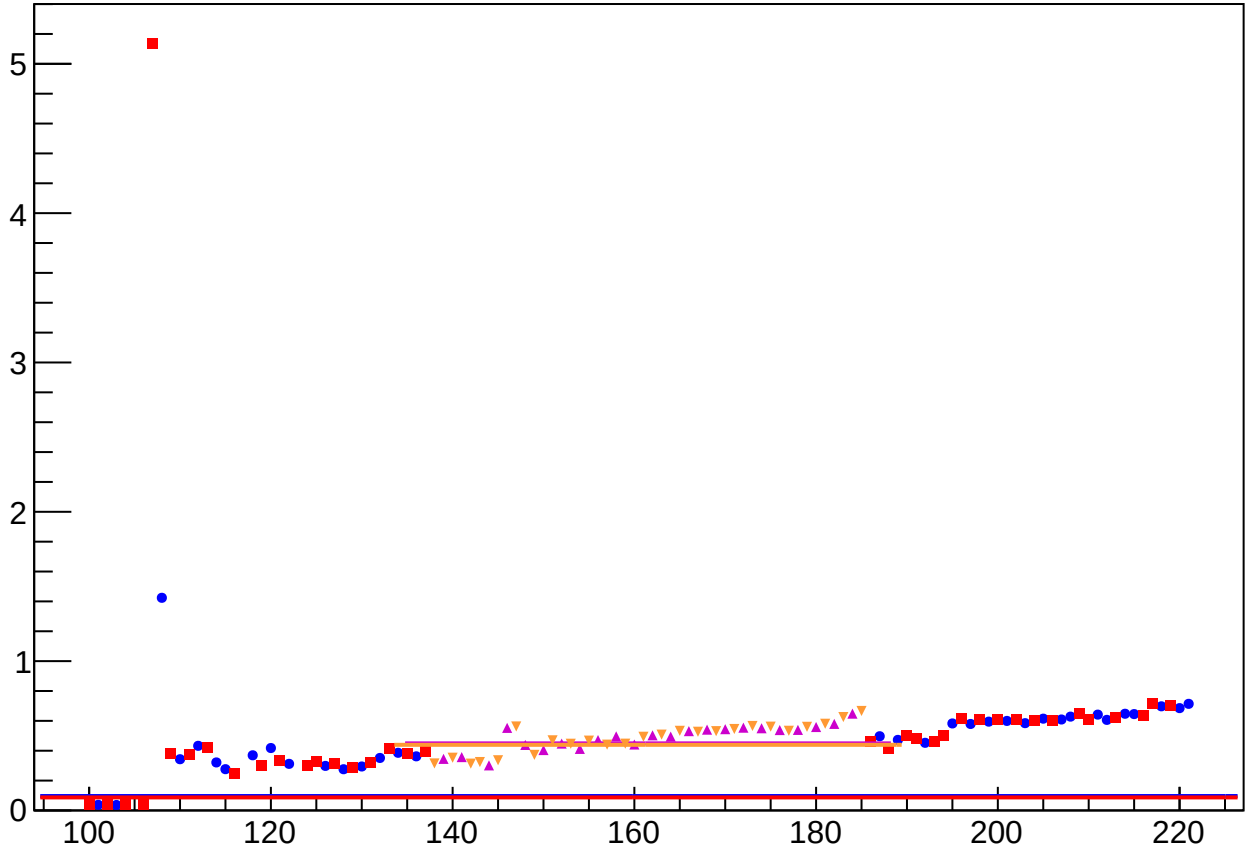
Right: 1747.631+/-0.000 χ^2/NDF: 51369911059459

In: 1534.840+/-0.000 χ^2/NDF:441622199697057.

Out: 1574.957+/-0.000 χ^2/NDF:477509190302745

All: 1556.318+/-0.000 χ^2/NDF: 9197302039

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: 0.087+/-0.000 χ^2/NDF: 28647237.3/36

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

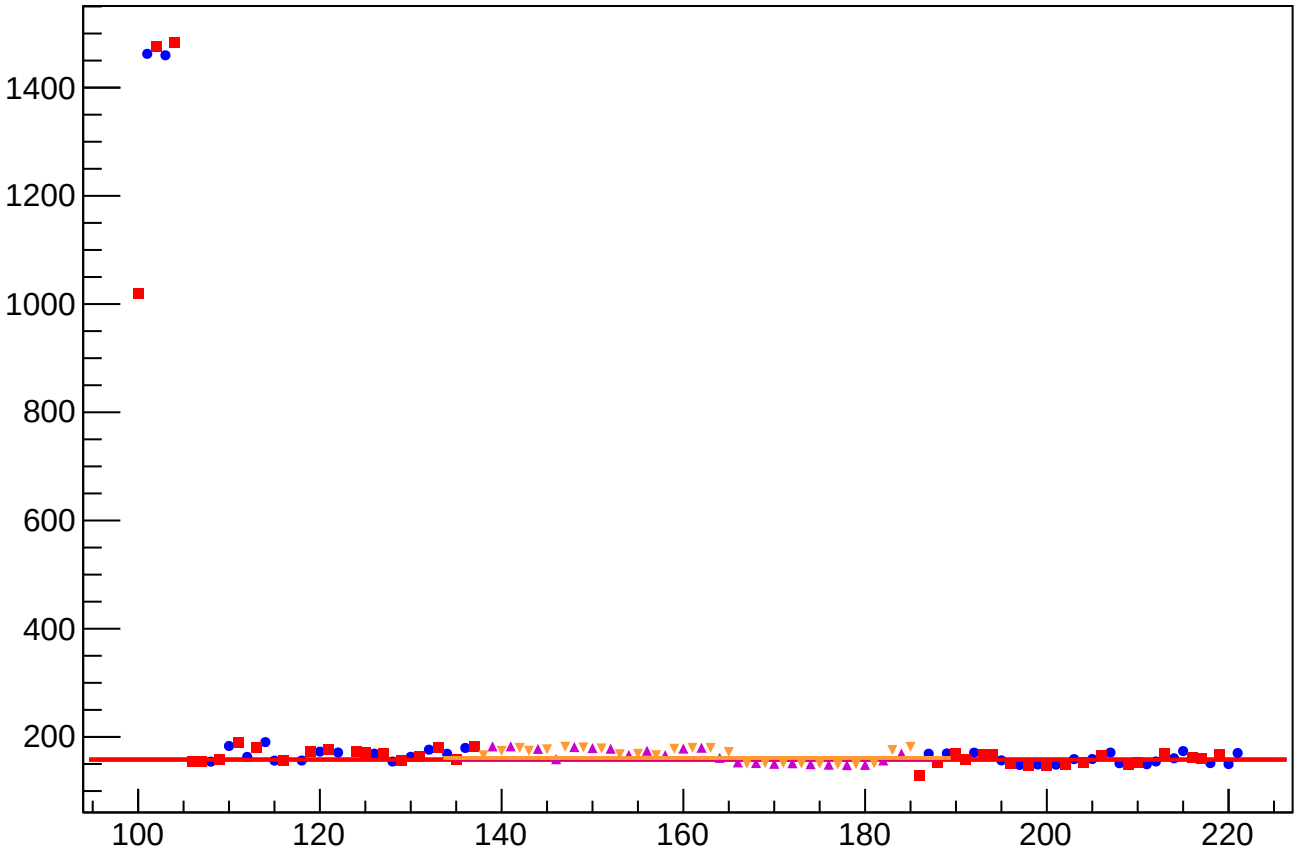
Right: 0.092+/-0.000 χ^2/NDF: 58468390.6/70

In: 0.140+/-0.000 χ^2/NDF:49646645.1/56

Out: 0.128+/-0.000 χ^2/NDF:50778526.2/61

All: 0.133+/-0.000 χ^2/NDF: 100522864.5/118

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: 157.883+/-0.000 χ^2/NDF: 18419583233.6/36

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

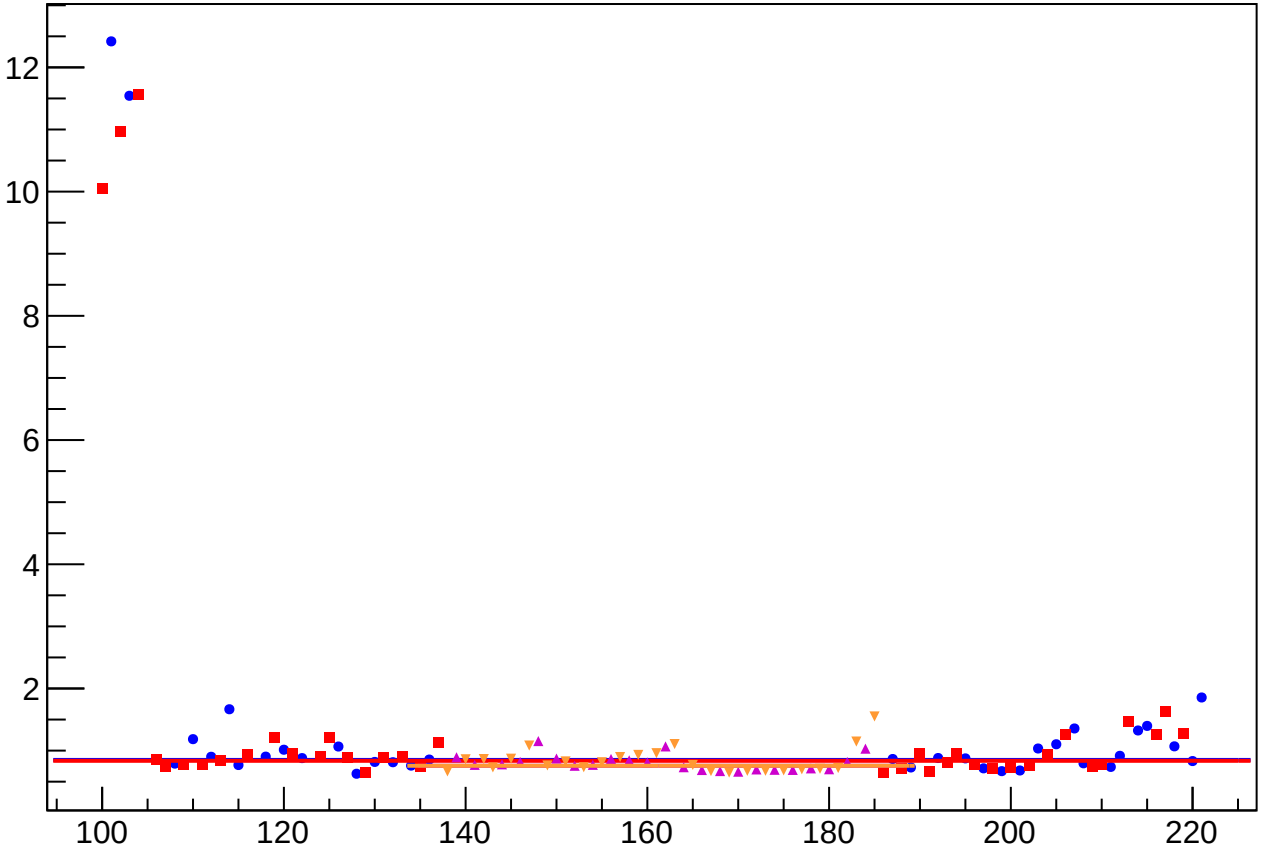
Right: 158.122+/-0.000 χ^2/NDF: 34622351608.3/70

In: 159.327+/-0.000 χ^2/NDF:19972670883.9/56

Out: 159.656+/-0.000 χ^2/NDF:22277988507.6/61

All: 159.495+/-0.000 χ^2/NDF: 42253053445.

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: 0.836+/-0.000 χ^2/NDF: 3390676.4/36

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

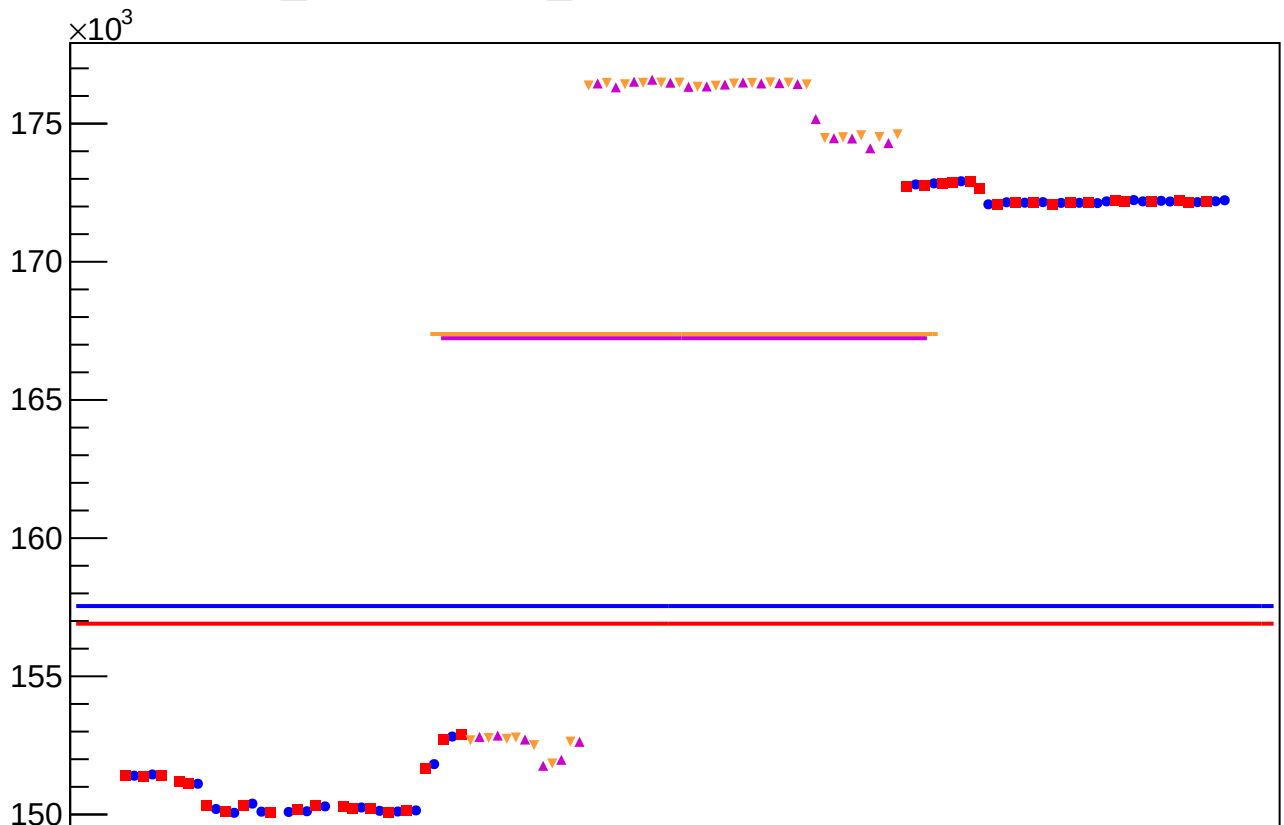
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.843+/-0.000 χ^2/NDF: 7117194.4/70

In: 0.799+/-0.000 χ^2/NDF:4387904.5/56

Out: 0.793+/-0.000 χ^2/NDF:4282995.3/61

All: 0.796+/-0.000 χ^2/NDF: 8672501.8/118



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: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

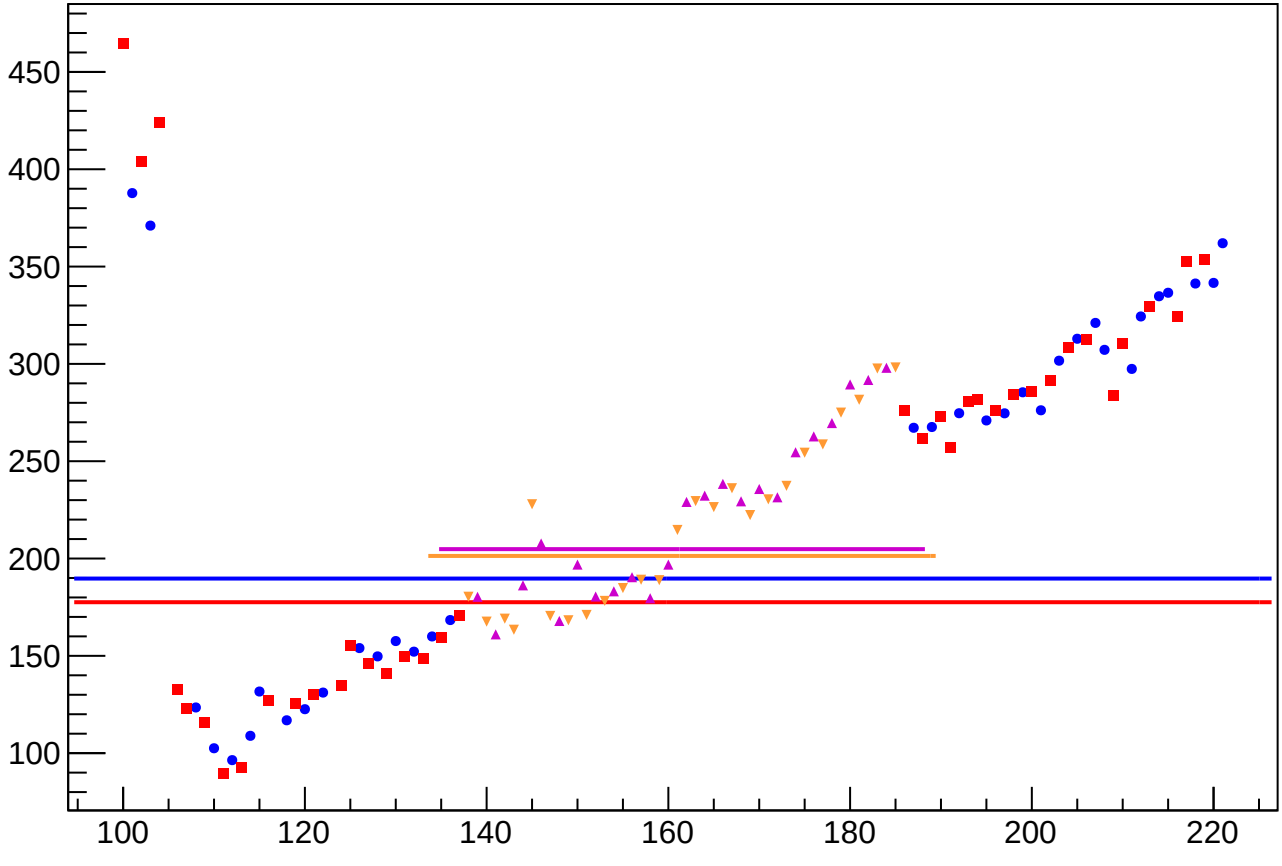
Right: 157207.927+/-0.031 χ^2/NDF: 104443258538

In: 161987.466+/-0.033 χ^2/NDF:127365740363.4

Out: 161700.257+/-0.032 χ^2/NDF:140252678430.

All: 161837.267+/-0.023 χ^2/NDF: 26765779

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: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

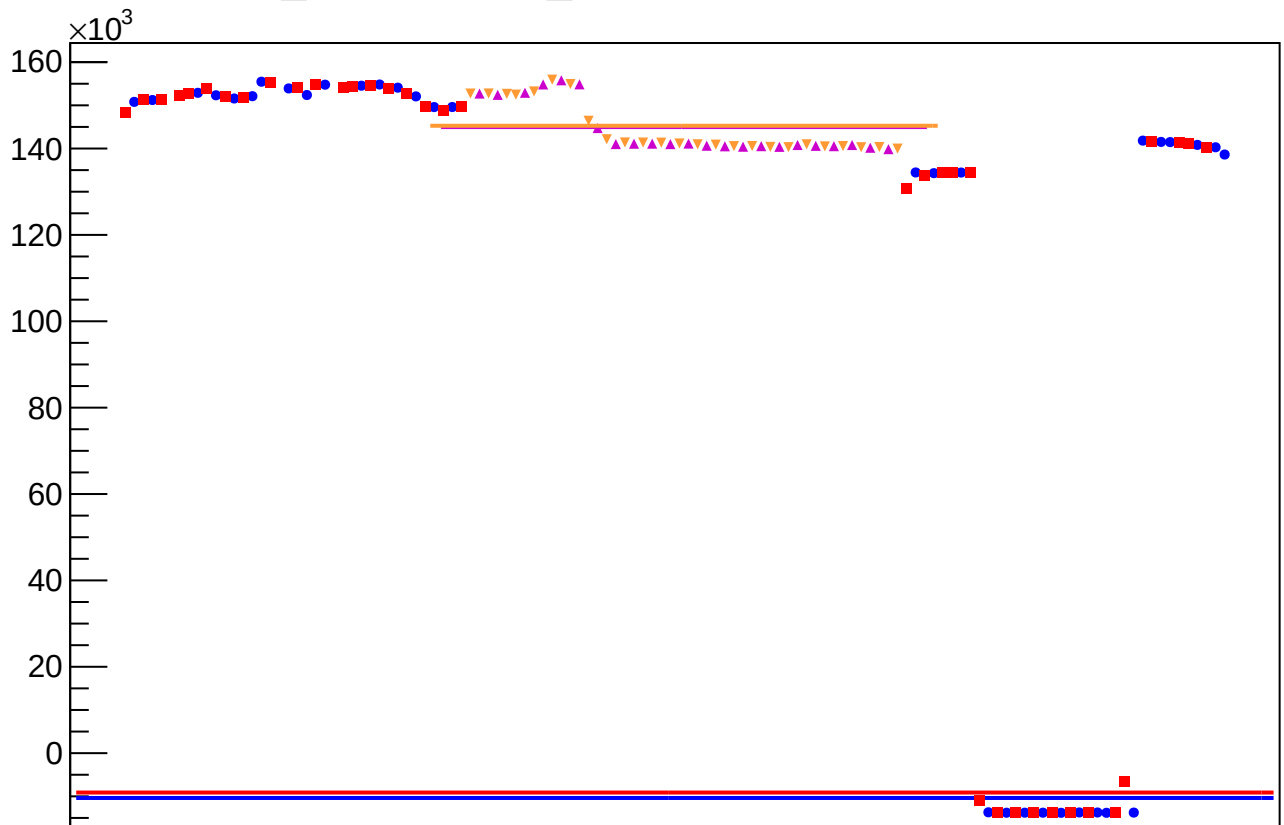
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 183.344+/-0.022 χ^2/NDF: 15813855.8/70

In: 196.641+/-0.023 χ^2/NDF:8872980.0/56

Out: 188.431+/-0.022 χ^2/NDF:9532694.0/61

All: 192.348+/-0.016 χ^2/NDF: 18470029.6/11



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: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

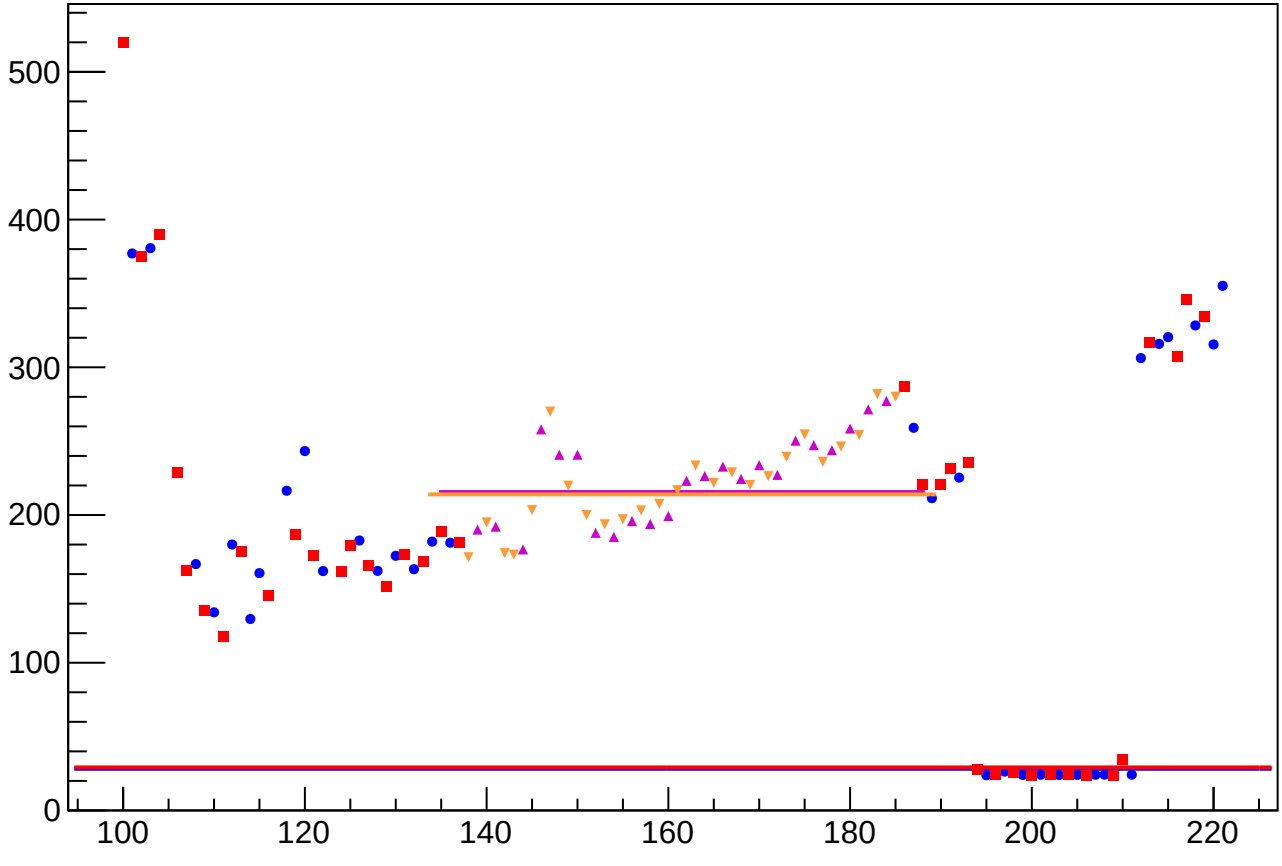
Right: -9793.510+/-0.006 χ^2/NDF: 1491869657961

In: -5988.915+/-0.009 χ^2/NDF:16013277246174.9

Out: -3752.186+/-0.009 χ^2/NDF:17299280929128

All: -4945.913+/-0.006 χ^2/NDF: 3334404675

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: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

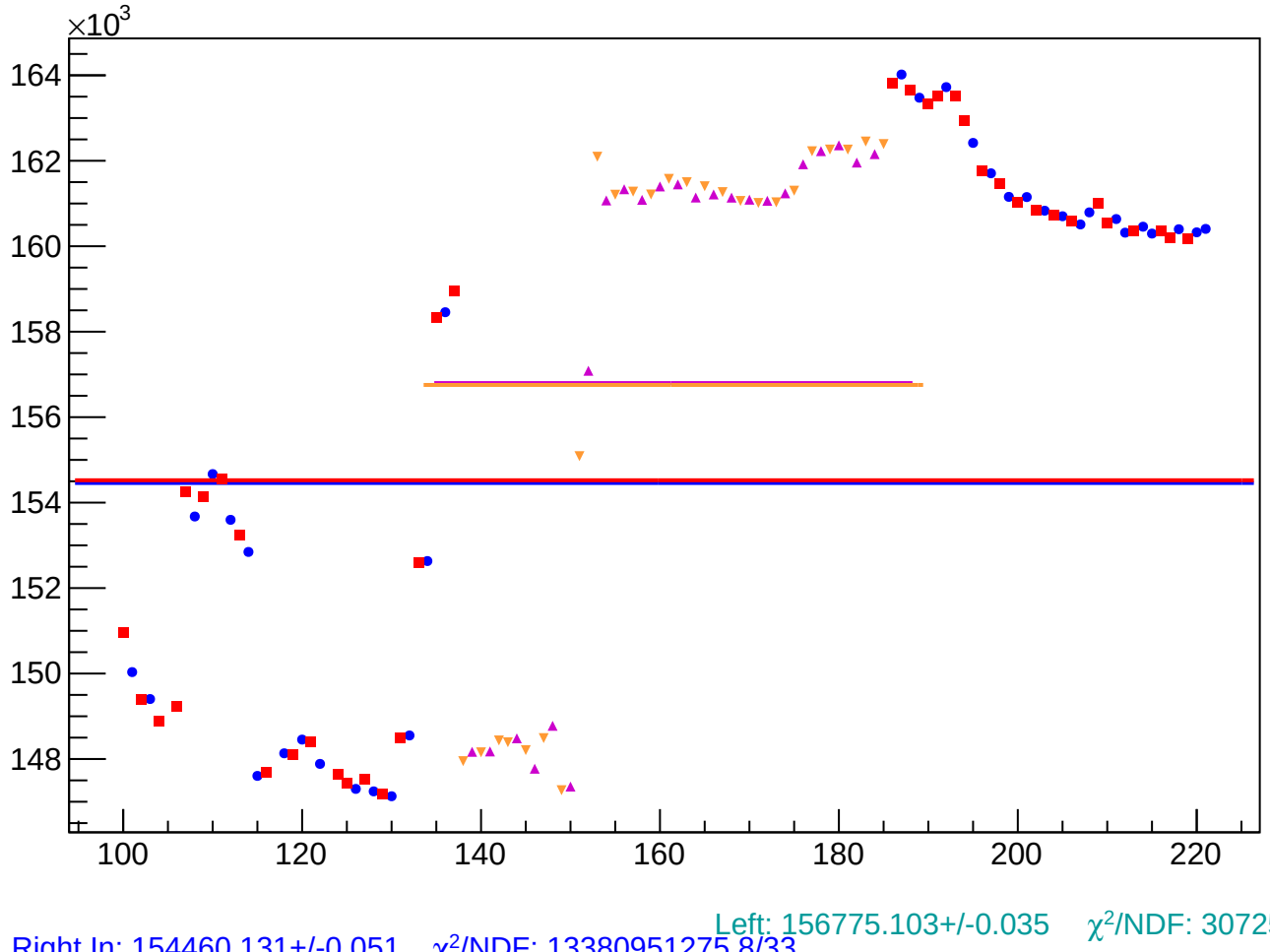
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.653+/-0.005 χ^2/NDF: 41713770.2/70

In: 33.528+/-0.006 χ^2/NDF:48261025.9/56

Out: 35.559+/-0.007 χ^2/NDF:47733446.9/61

All: 34.475+/-0.004 χ^2/NDF: 96046388.4/118



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: 154523.179+/-0.049 χ^2/NDF: 13795921348.8/36

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

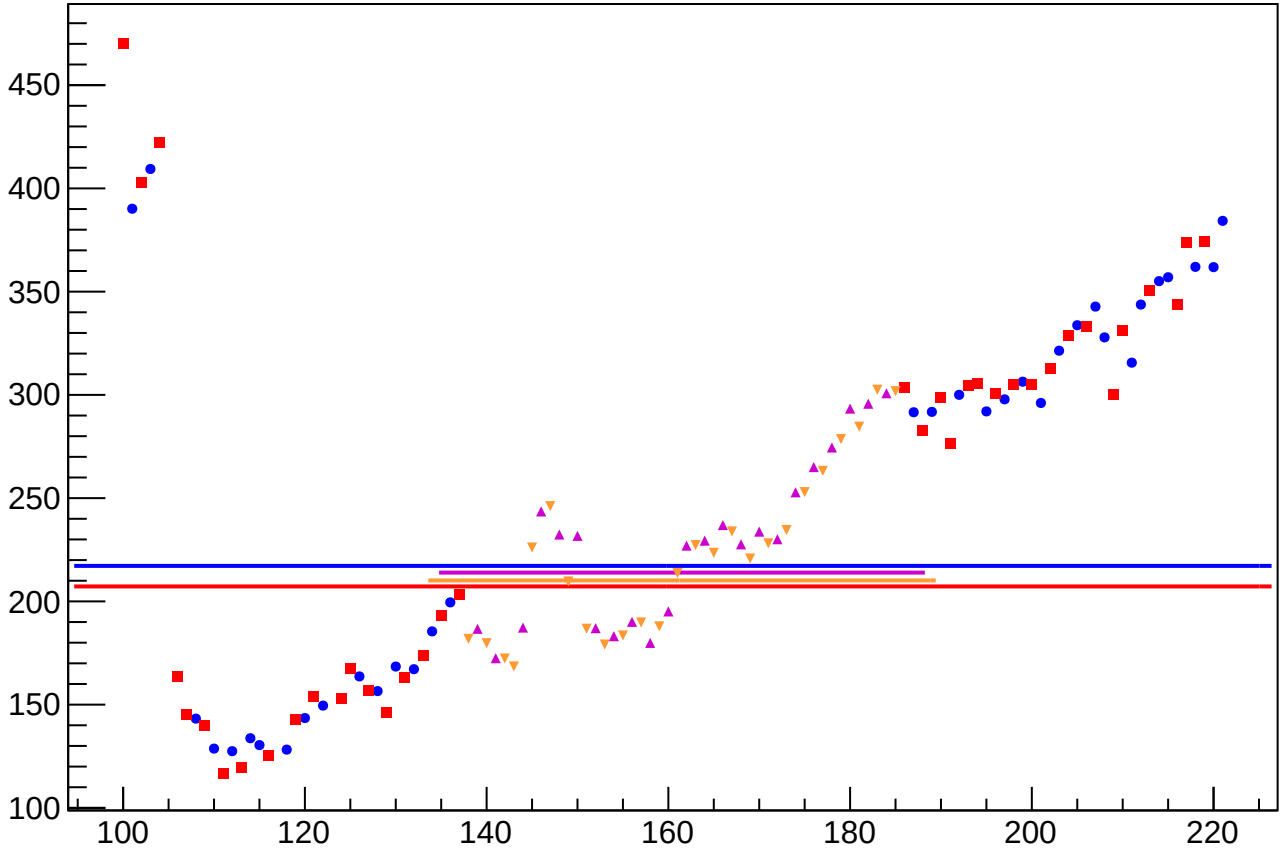
Right: 154492.569+/-0.035 χ^2/NDF: 27177672595.9

In: 155620.108+/-0.036 χ^2/NDF:28785811245.2/5

Out: 155649.597+/-0.035 χ^2/NDF:31218463515.1

All: 155635.409+/-0.025 χ^2/NDF: 60004625

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: 207.241+/-0.035 χ^2/NDF: 6400022.2/36

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

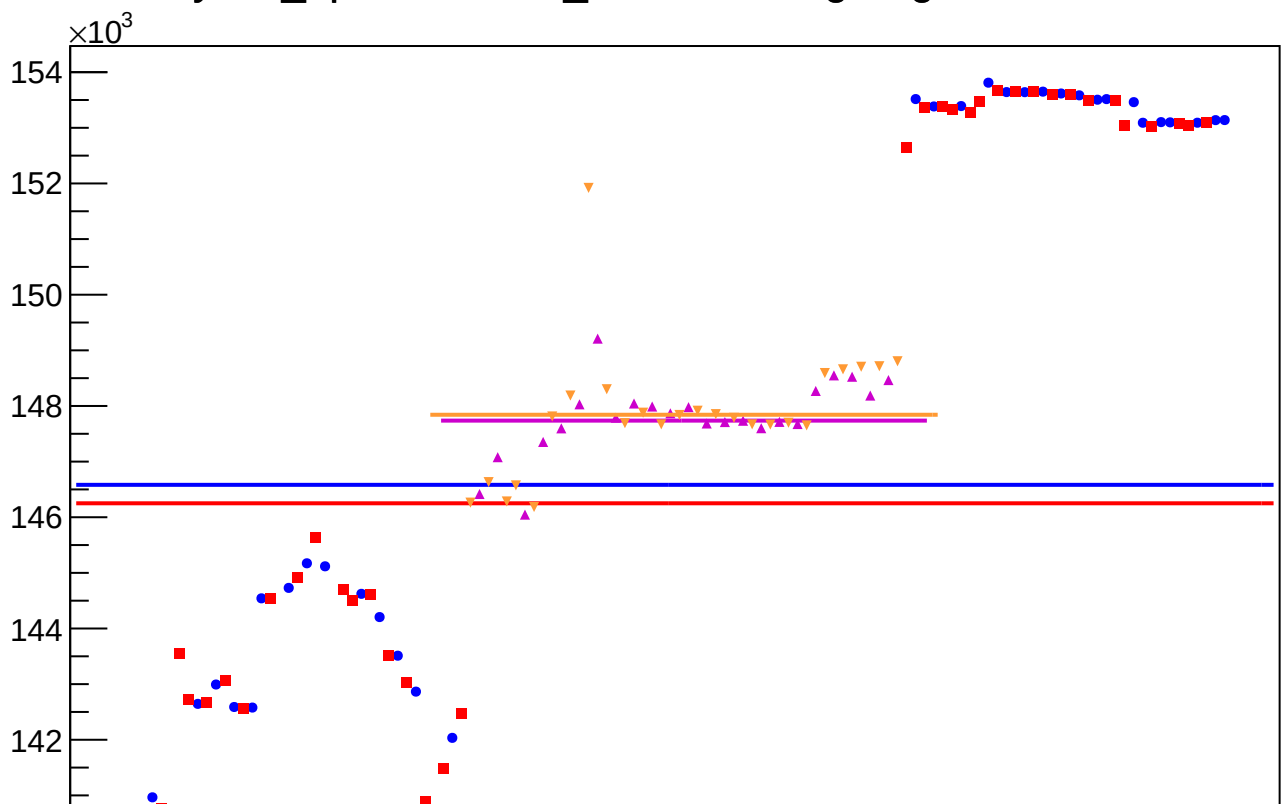
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 212.075+/-0.025 χ^2/NDF: 12834478.1/70

In: 215.584+/-0.025 χ^2/NDF:7313127.0/56

Out: 208.706+/-0.024 χ^2/NDF:7401346.8/61

All: 212.015+/-0.018 χ^2/NDF: 14752587.7/11



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: 146250.671+/-0.042 χ^2/NDF: 12727851622.8/36

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

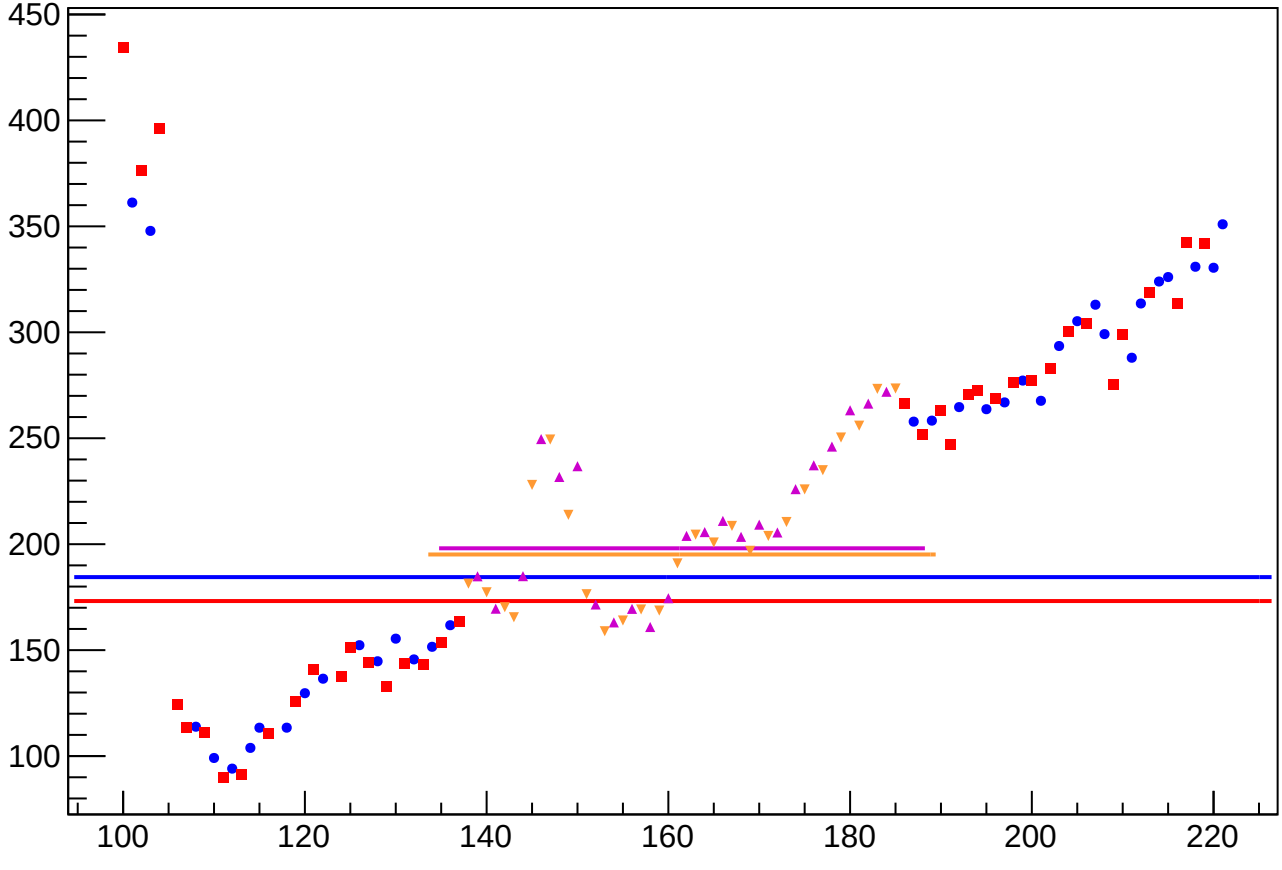
Right: 146408.964+/-0.030 χ^2/NDF: 25020675127.

In: 147115.724+/-0.032 χ^2/NDF:12811778347.1/5

Out: 146984.929+/-0.031 χ^2/NDF:14110733539.6/

All: 147047.374+/-0.022 χ^2/NDF: 26931203

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: 173.168+/-0.030 χ^2/NDF: 7840551.3/36

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

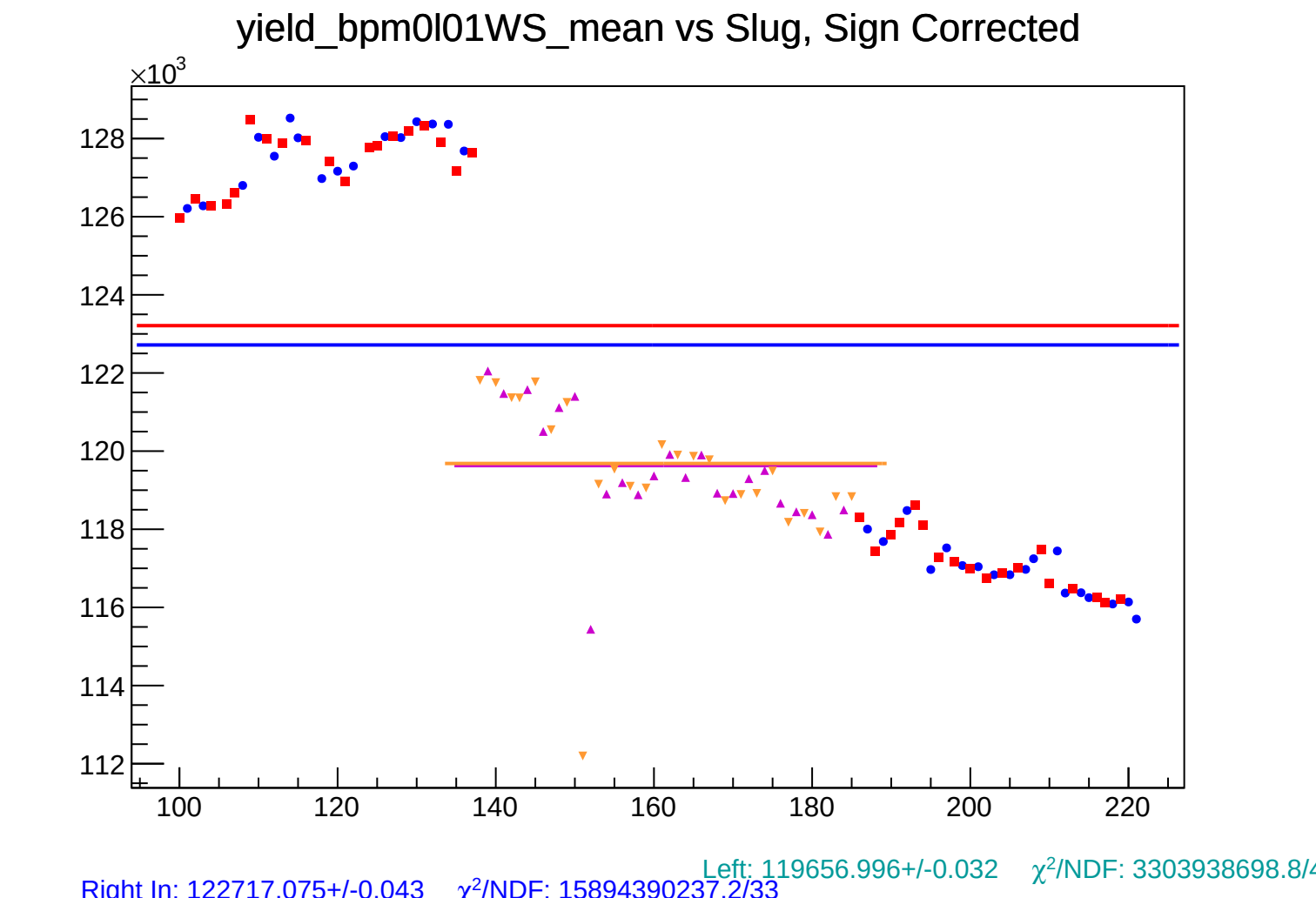
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 178.558+/-0.021 χ^2/NDF: 15549258.6/70

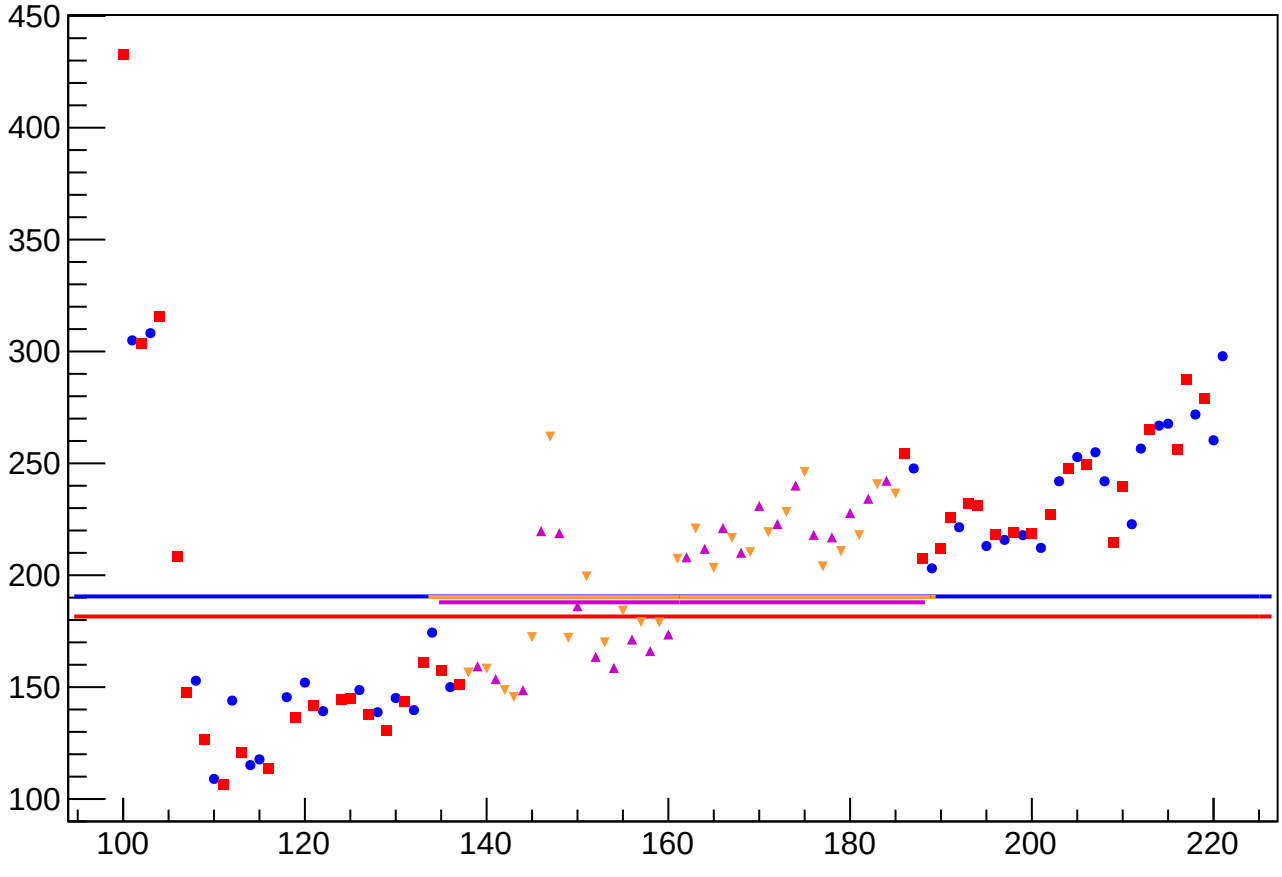
In: 190.744+/-0.023 χ^2/NDF:8628556.2/56

Out: 183.307+/-0.022 χ^2/NDF:9000022.4/61

All: 186.858+/-0.016 χ^2/NDF: 17684775.6/11


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: 123211.466+/-0.042 χ²/NDF: 16053832372.4/36
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 122971.340+/-0.030 χ²/NDF: 32017107932.
In: 121253.123+/-0.031 χ²/NDF:19688464771.5/5
Out: 121560.506+/-0.030 χ²/NDF:21419504980.3
All: 121410.310+/-0.022 χ²/NDF: 41158321

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: 181.569+/-0.029 χ^2/NDF: 3716483.5/36

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

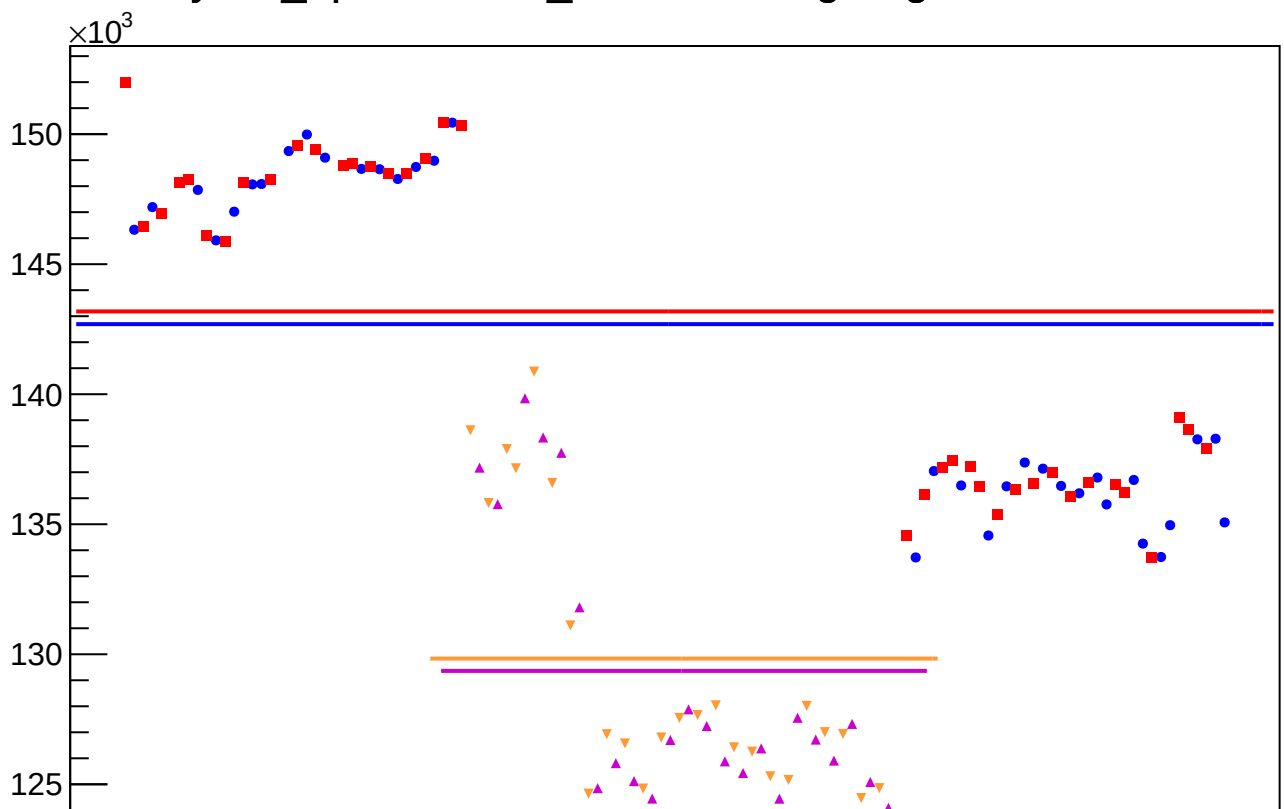
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 185.920+/-0.021 χ^2/NDF: 7123091.1/70

In: 189.285+/-0.022 χ^2/NDF:4290972.7/56

Out: 185.653+/-0.021 χ^2/NDF:4682406.3/61

All: 187.428+/-0.015 χ^2/NDF: 8987438.8/118



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: 143183.537+/-0.058 χ^2/NDF: 10675208279.5/36

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

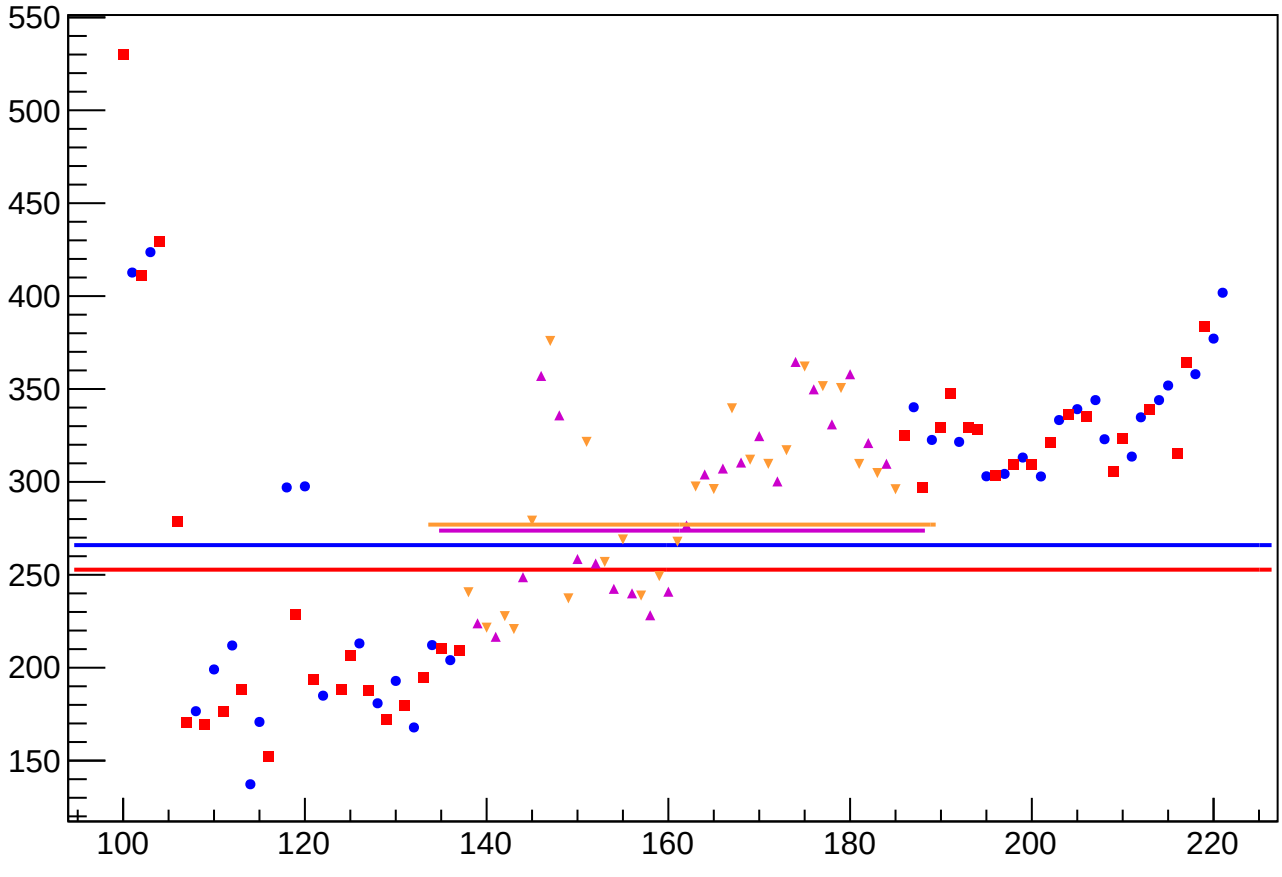
Right: 142947.236+/-0.041 χ^2/NDF: 21883195103.7

In: 136642.904+/-0.044 χ^2/NDF:40534589732.5/5

Out: 137230.393+/-0.043 χ^2/NDF:41423616036.1

All: 136944.456+/-0.031 χ^2/NDF: 820496008

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: 252.766+/-0.041 χ^2/NDF: 3403553.3/36

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

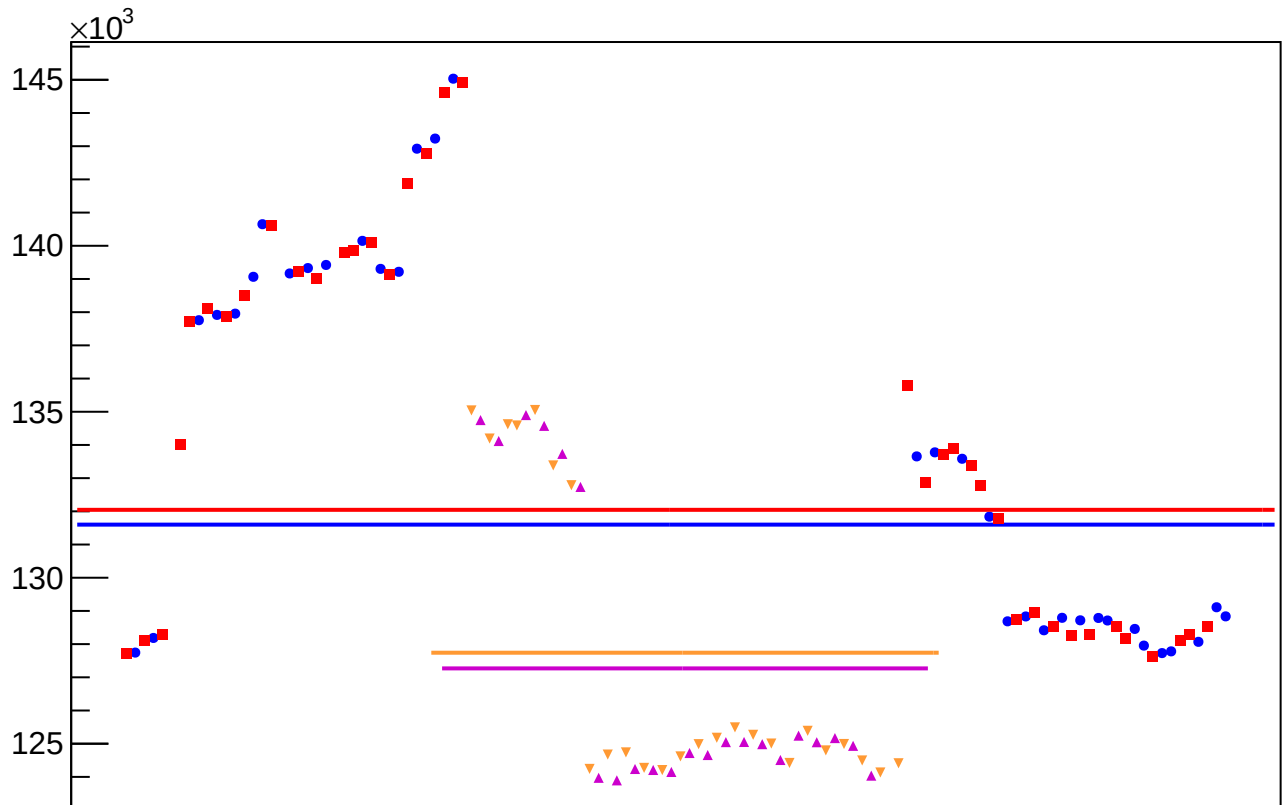
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 259.150+/-0.029 χ^2/NDF: 6781723.0/70

In: 269.521+/-0.031 χ^2/NDF:4346821.4/56

Out: 263.583+/-0.030 χ^2/NDF:4508318.3/61

All: 266.473+/-0.022 χ^2/NDF: 8873815.2/118



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: 132045.486+/-0.097 χ^2/NDF: 2258714248.2/36

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

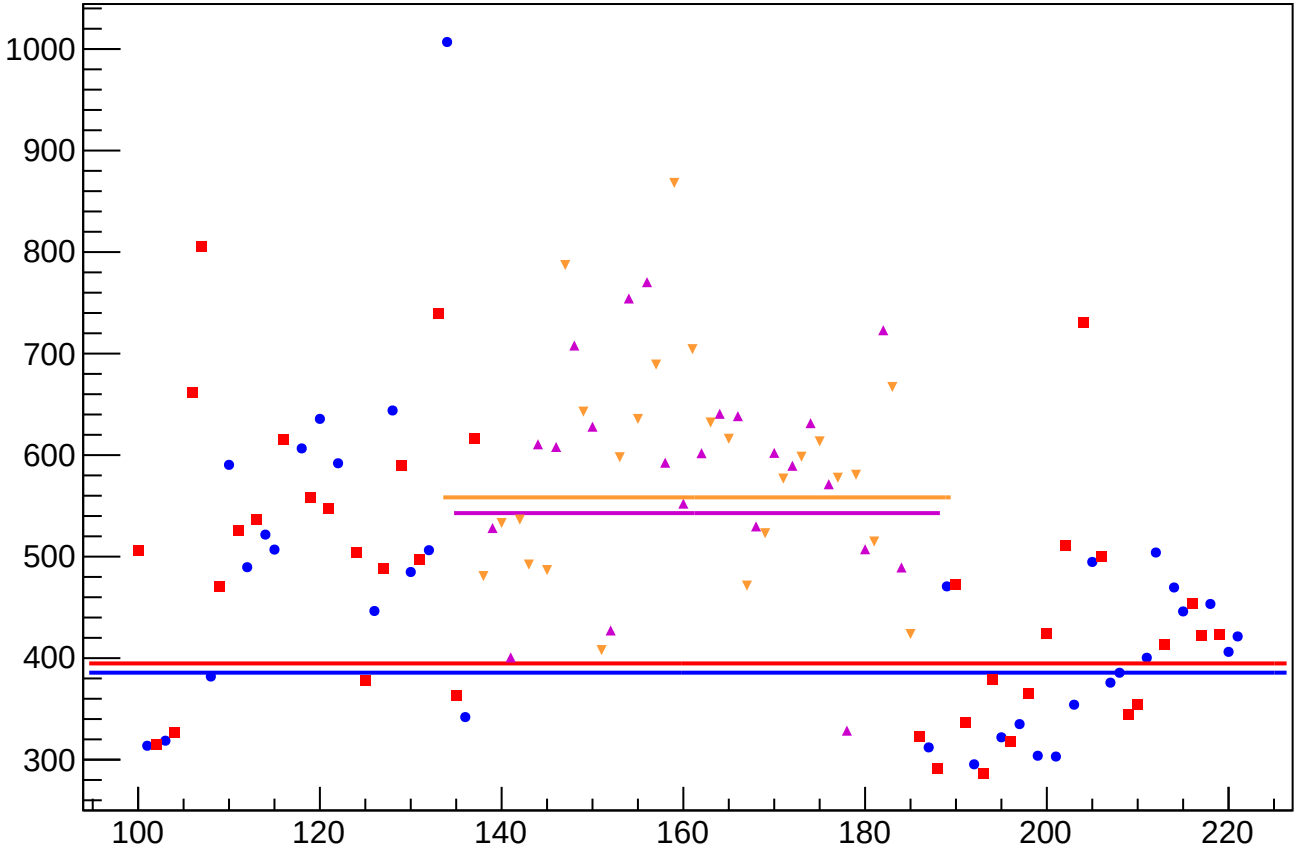
Right: 131812.852+/-0.067 χ^2/NDF: 5303585458.8/

In: 130258.007+/-0.077 χ^2/NDF:4679286968.7/56

Out: 130587.743+/-0.079 χ^2/NDF:4017848130.1/6

All: 130419.165+/-0.055 χ^2/NDF: 87060646

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: 394.801+/-0.069 χ^2/NDF: 2040800.3/36

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

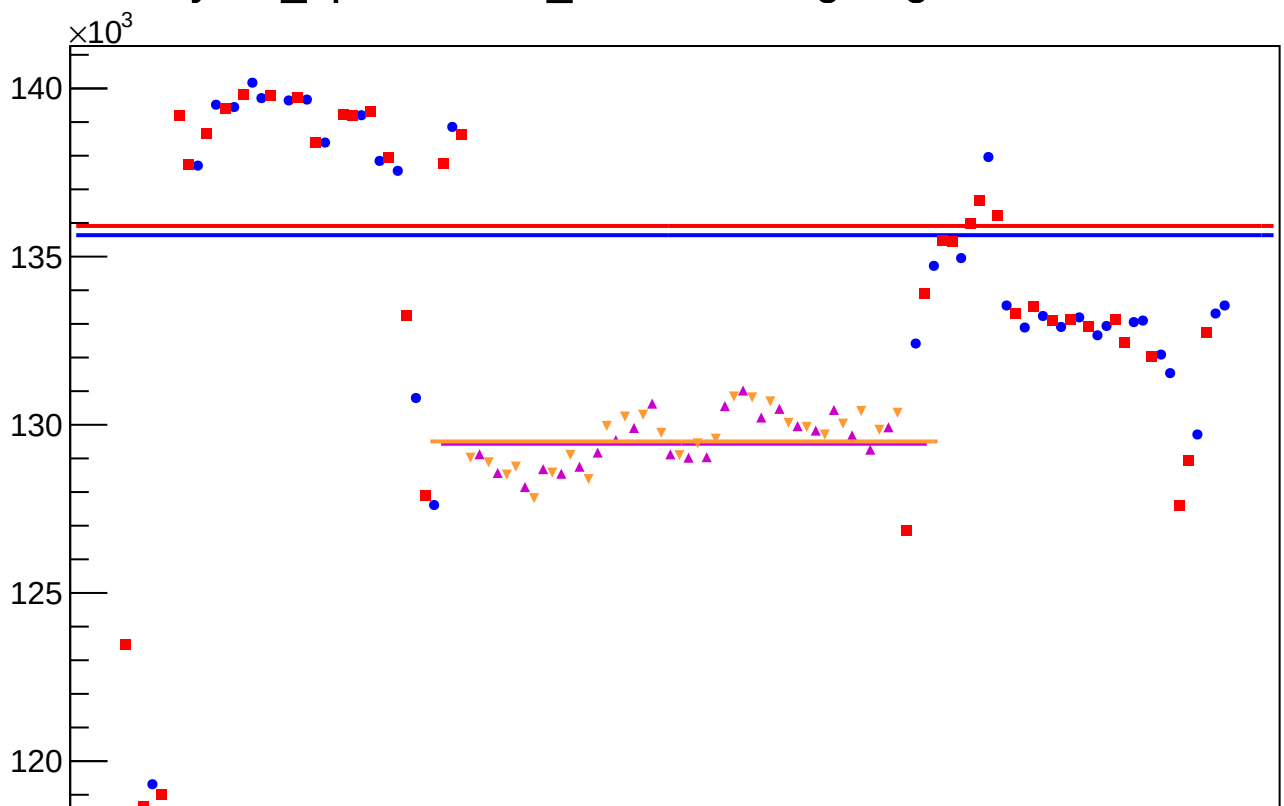
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 390.048+/-0.047 χ^2/NDF: 3863034.3/70

In: 434.386+/-0.055 χ^2/NDF:5005022.7/56

Out: 450.198+/-0.056 χ^2/NDF:4934404.6/61

All: 442.114+/-0.039 χ^2/NDF: 9980497.1/118



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: 135911.818+/-0.053 χ^2/NDF: 7856929614.9/36

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

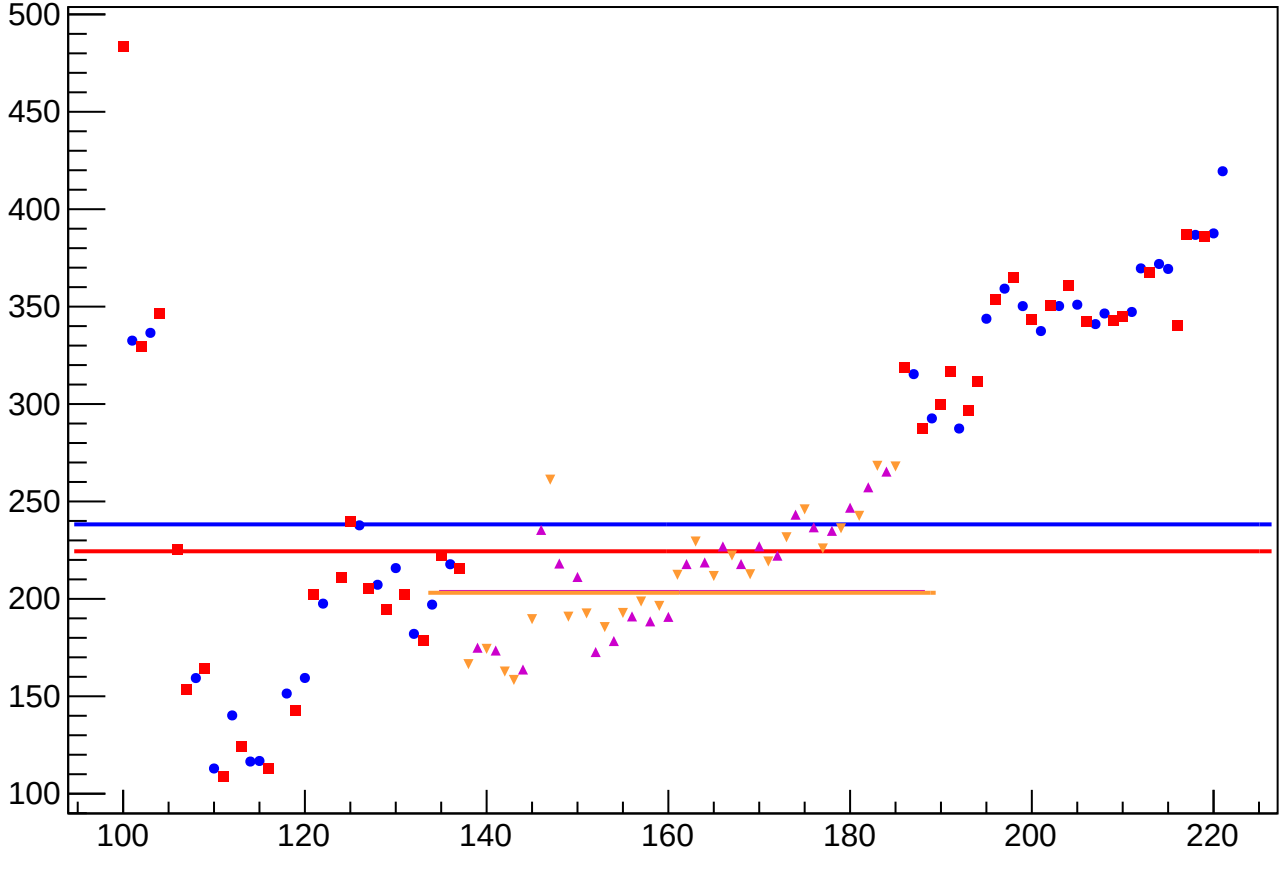
Right: 135779.968+/-0.038 χ^2/NDF: 14983497396.

In: 132118.852+/-0.036 χ^2/NDF:14469756230.7/5

Out: 132308.016+/-0.035 χ^2/NDF:16287234708.0

All: 132216.694+/-0.025 χ^2/NDF: 30770895

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: 224.421+/-0.038 χ^2/NDF: 6325746.0/36

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

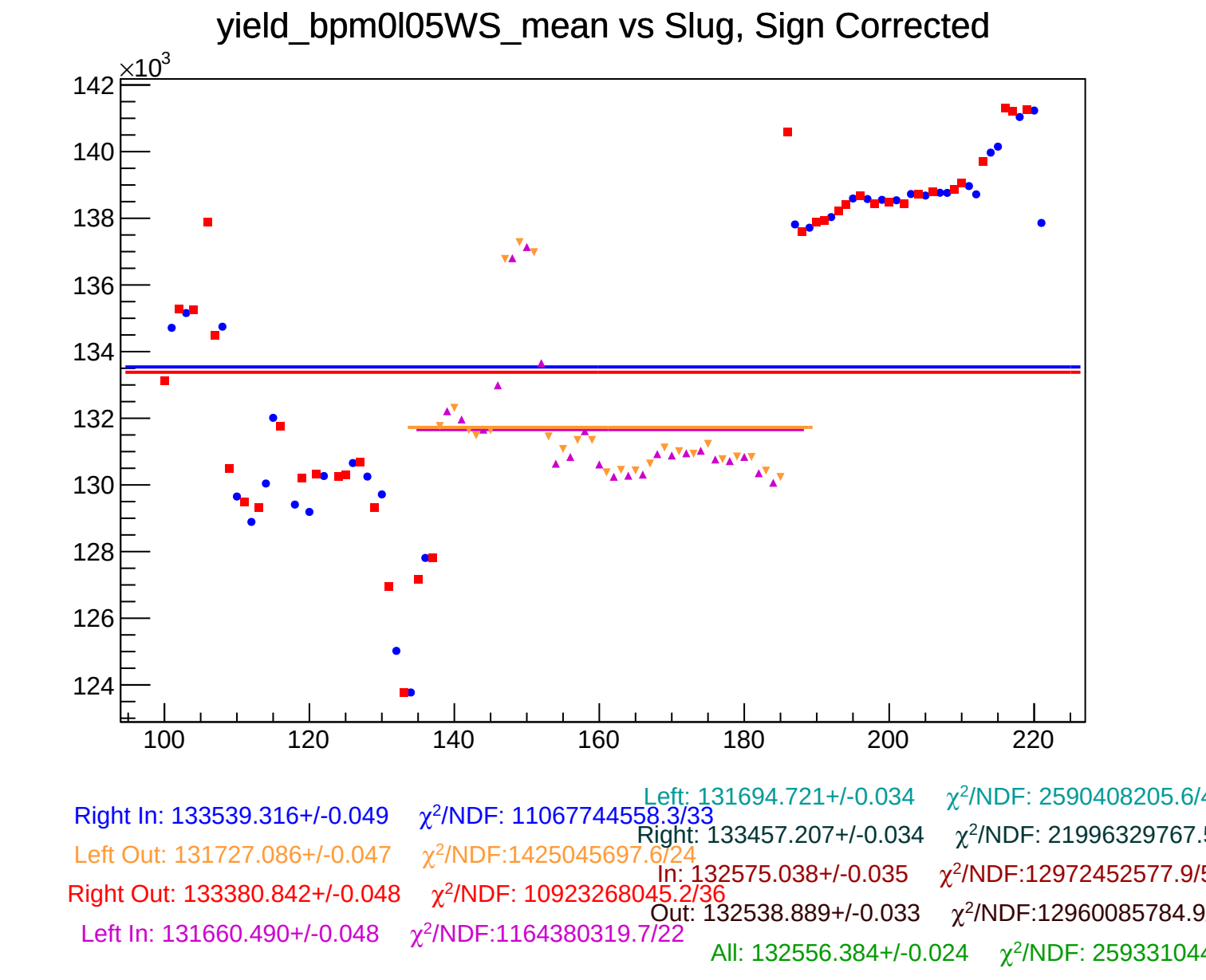
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 231.050+/-0.027 χ^2/NDF: 12449792.7/70

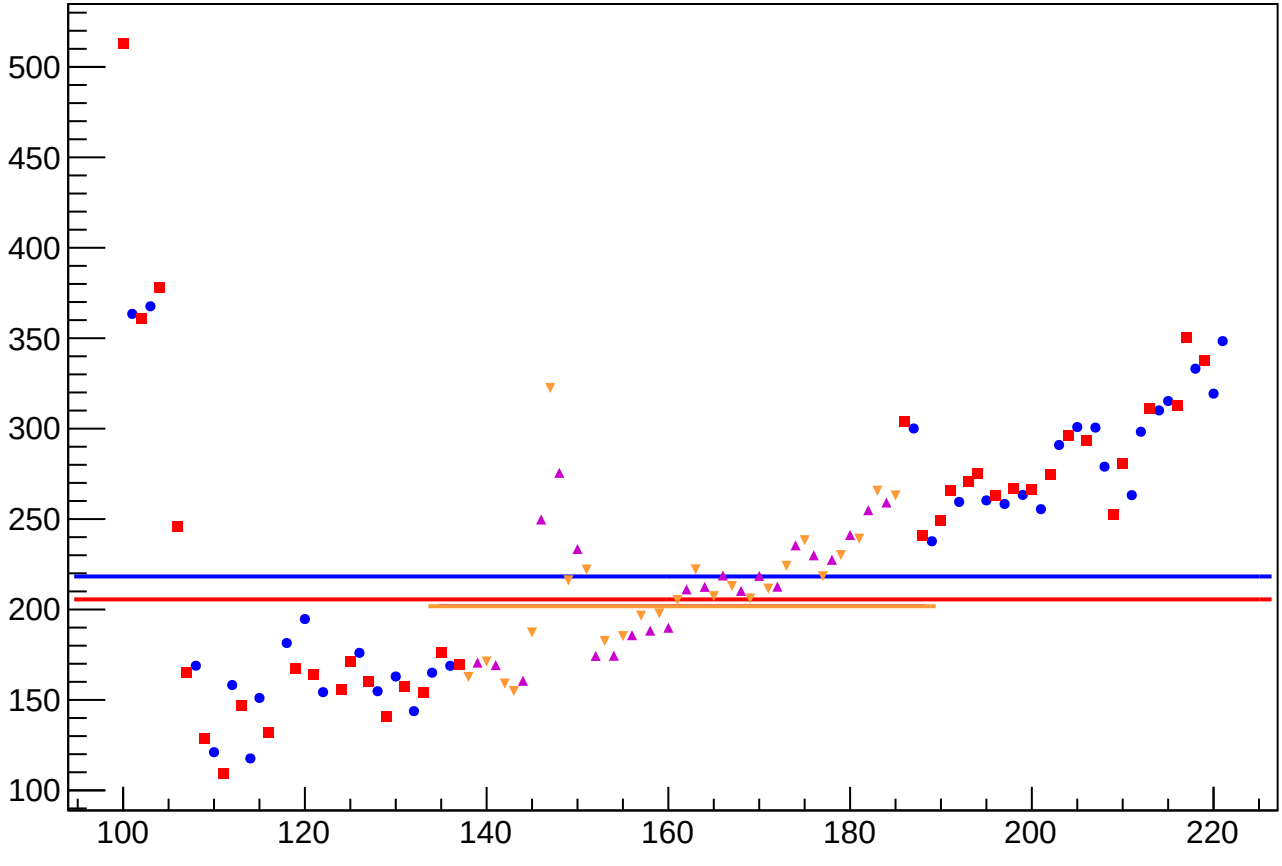
In: 218.549+/-0.026 χ^2/NDF:7169344.2/56

Out: 212.444+/-0.025 χ^2/NDF:7263788.9/61

All: 215.392+/-0.018 χ^2/NDF: 14462097.2/11


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: 133380.842+/-0.048 χ²/NDF: 10923268045.2/36
Left In: 131660.490+/-0.048 χ²/NDF:1164380319.7/22
Left: 131694.721+/-0.034 χ²/NDF: 2590408205.6/4
Right: 133457.207+/-0.034 χ²/NDF: 2196329767.5
In: 132575.038+/-0.035 χ²/NDF:12972452577.9/5
Out: 132538.889+/-0.033 χ²/NDF:12960085784.9
All: 132556.384+/-0.024 χ²/NDF: 25933104

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: 205.584+/-0.034 χ^2/NDF: 4651509.2/36

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

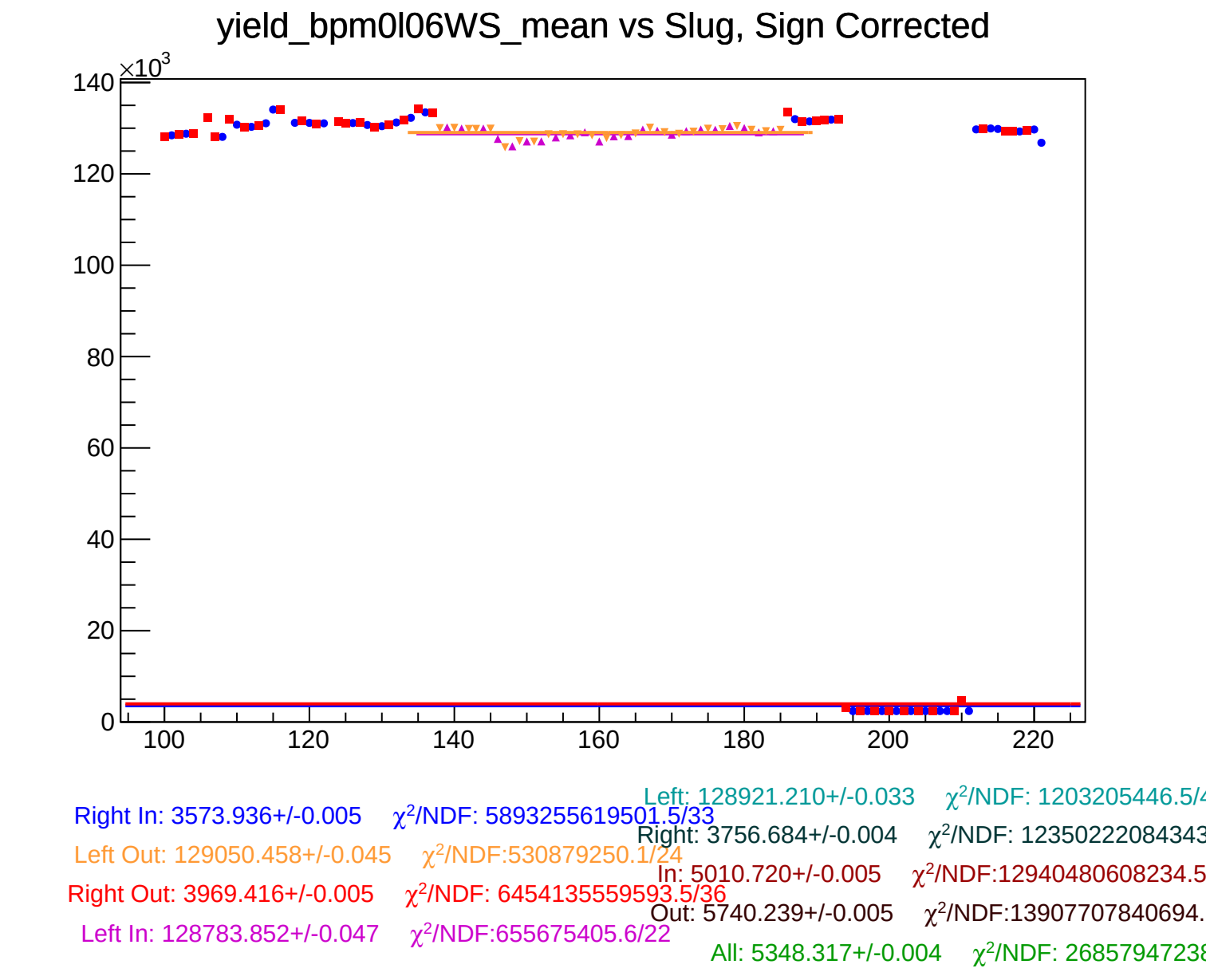
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 211.693+/-0.024 χ^2/NDF: 8752955.5/70

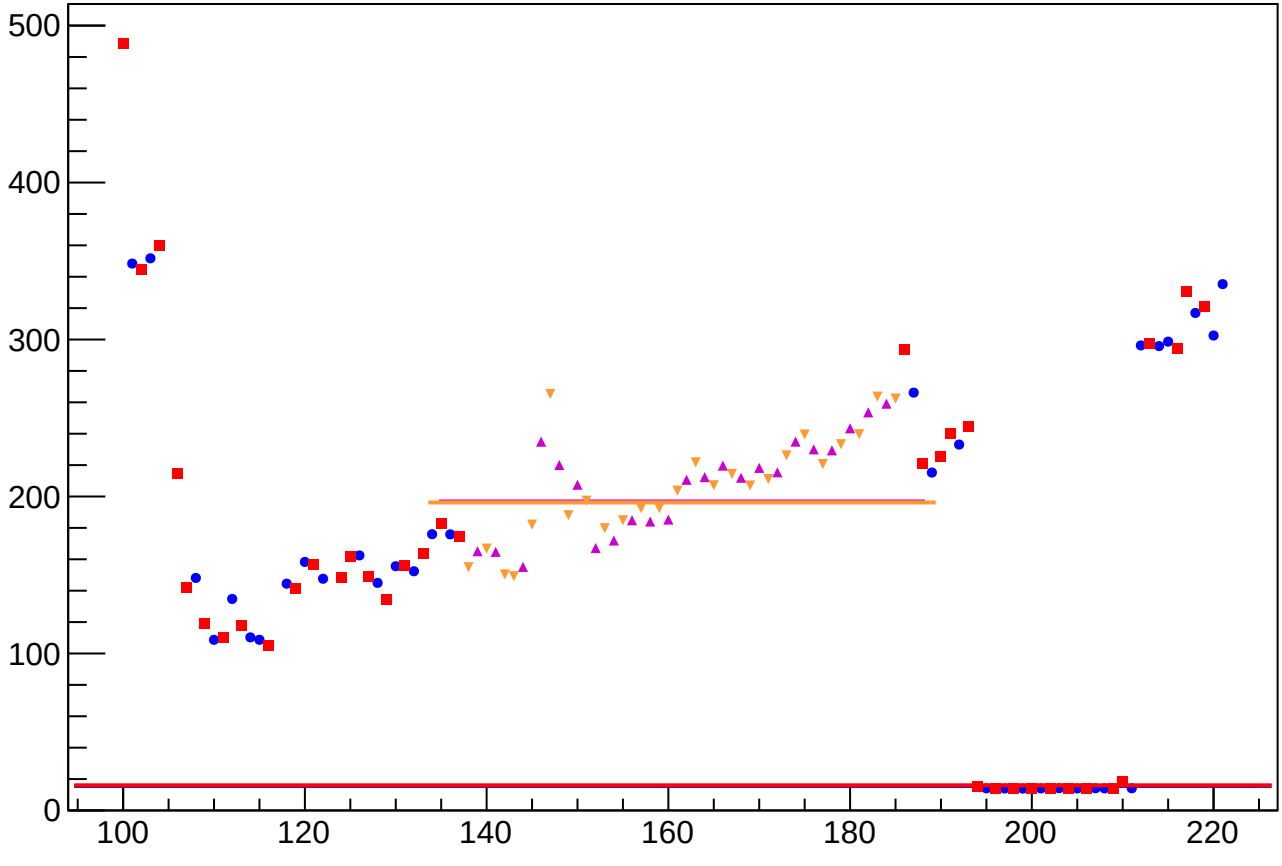
In: 209.888+/-0.024 χ^2/NDF:4947730.7/56

Out: 203.656+/-0.024 χ^2/NDF:5563273.4/61

All: 206.672+/-0.017 χ^2/NDF: 10544649.3/11


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
140
120
100
80
60
40
20
0
100
120
140
160
180
200
220
Right In: 3573.936+/-0.005 χ²/NDF: 5893255619501.5/33
Left Out: 129050.458+/-0.045 χ²/NDF:530879250.1/24
Right Out: 3969.416+/-0.005 χ²/NDF: 6454135559593.5/36
Left In: 128783.852+/-0.047 χ²/NDF:655675405.6/22
Left: 128921.210+/-0.033 χ²/NDF: 1203205446.5/4
Right: 3756.684+/-0.004 χ²/NDF: 12350222084343
In: 5010.720+/-0.005 χ²/NDF:12940480608234.5
Out: 5740.239+/-0.005 χ²/NDF:13907707840694.
All: 5348.317+/-0.004 χ²/NDF: 2685794723

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: 15.992+/-0.004 χ^2/NDF: 22576644.9/36

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

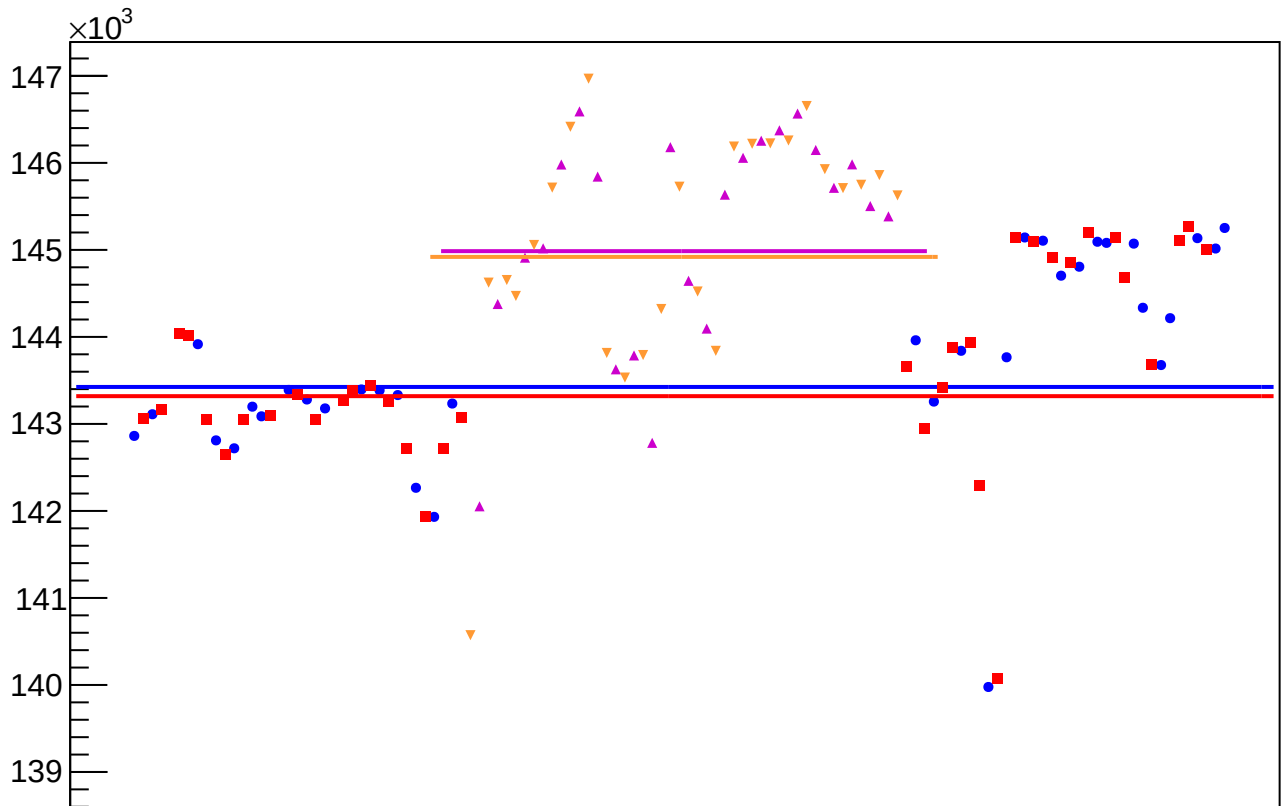
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.794+/-0.003 χ^2/NDF: 46683786.7/70

In: 17.702+/-0.004 χ^2/NDF:54396156.6/56

Out: 18.544+/-0.004 χ^2/NDF:54440925.3/61

All: 18.092+/-0.003 χ^2/NDF: 108863059.1/11



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: 143319.087+/-0.051 χ^2/NDF: 335885206.3/36

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

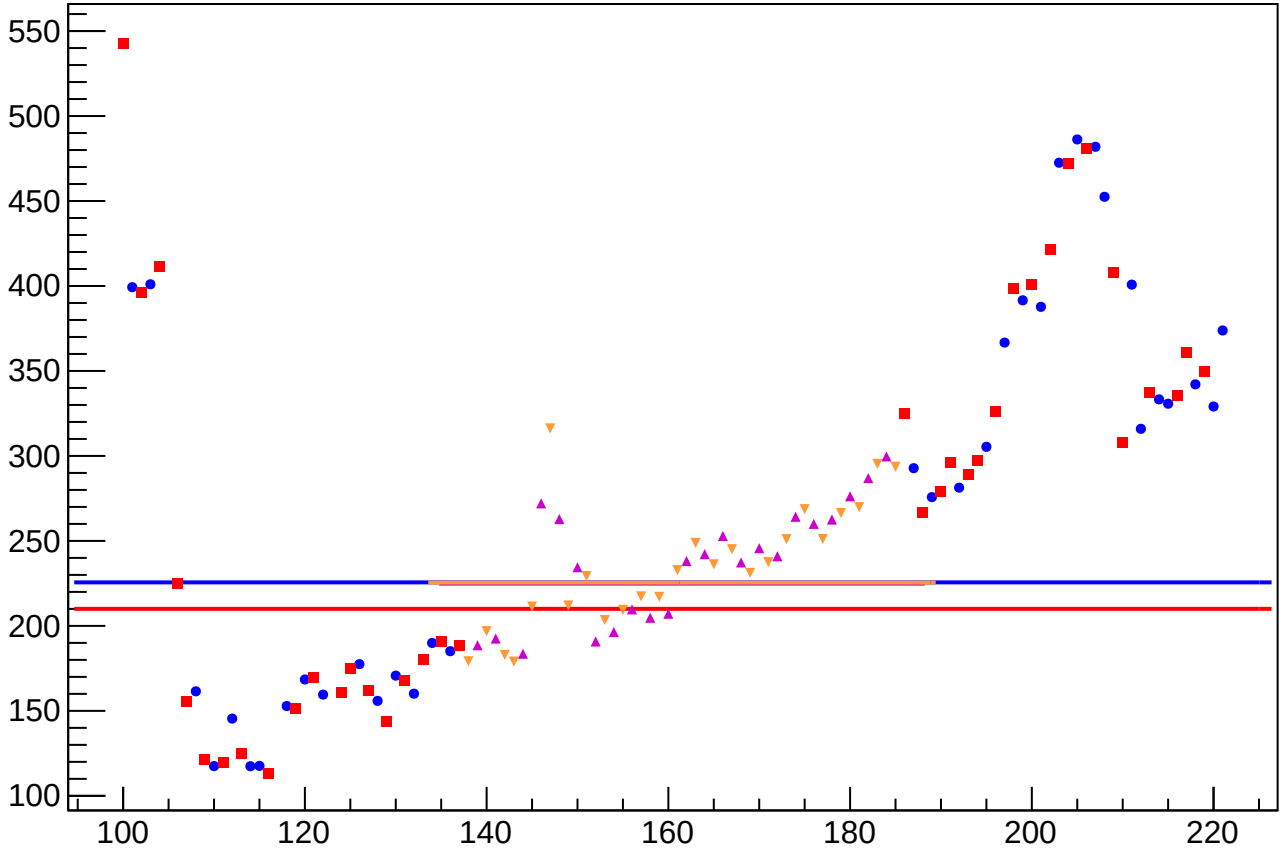
Right: 143369.401+/-0.037 χ^2/NDF: 684107223.3/7

In: 144202.100+/-0.038 χ^2/NDF:1390938469.6/56

Out: 144096.666+/-0.036 χ^2/NDF:1654065521.9/6

All: 144147.397+/-0.026 χ^2/NDF: 30490393

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: 210.032+/-0.036 χ^2/NDF: 7747646.7/36

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

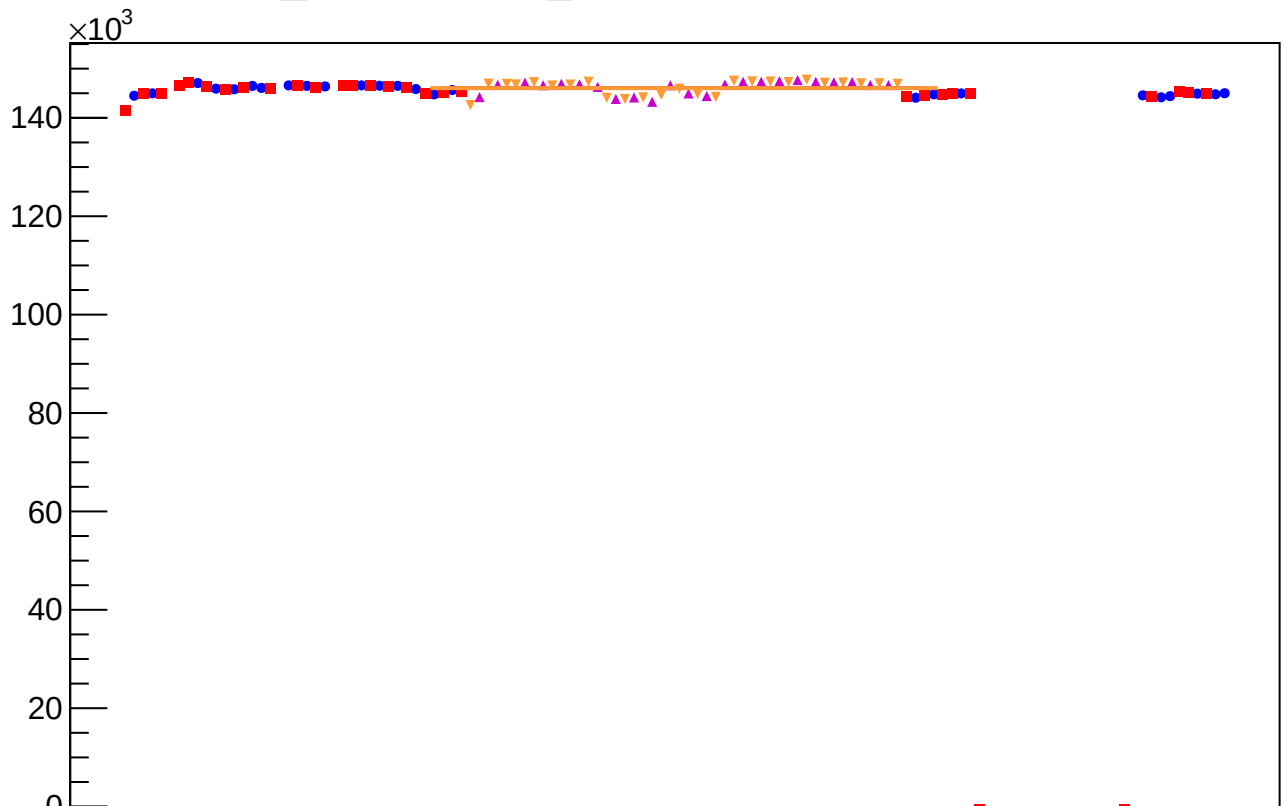
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 217.430+/-0.026 χ^2/NDF: 15222294.6/70

In: 225.236+/-0.027 χ^2/NDF:8109300.9/56

Out: 217.537+/-0.026 χ^2/NDF:8612944.5/61

All: 221.241+/-0.019 χ^2/NDF: 16765278.7/11



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: -832.721+/-0.003 χ^2/NDF: 7070981053921.7/36

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

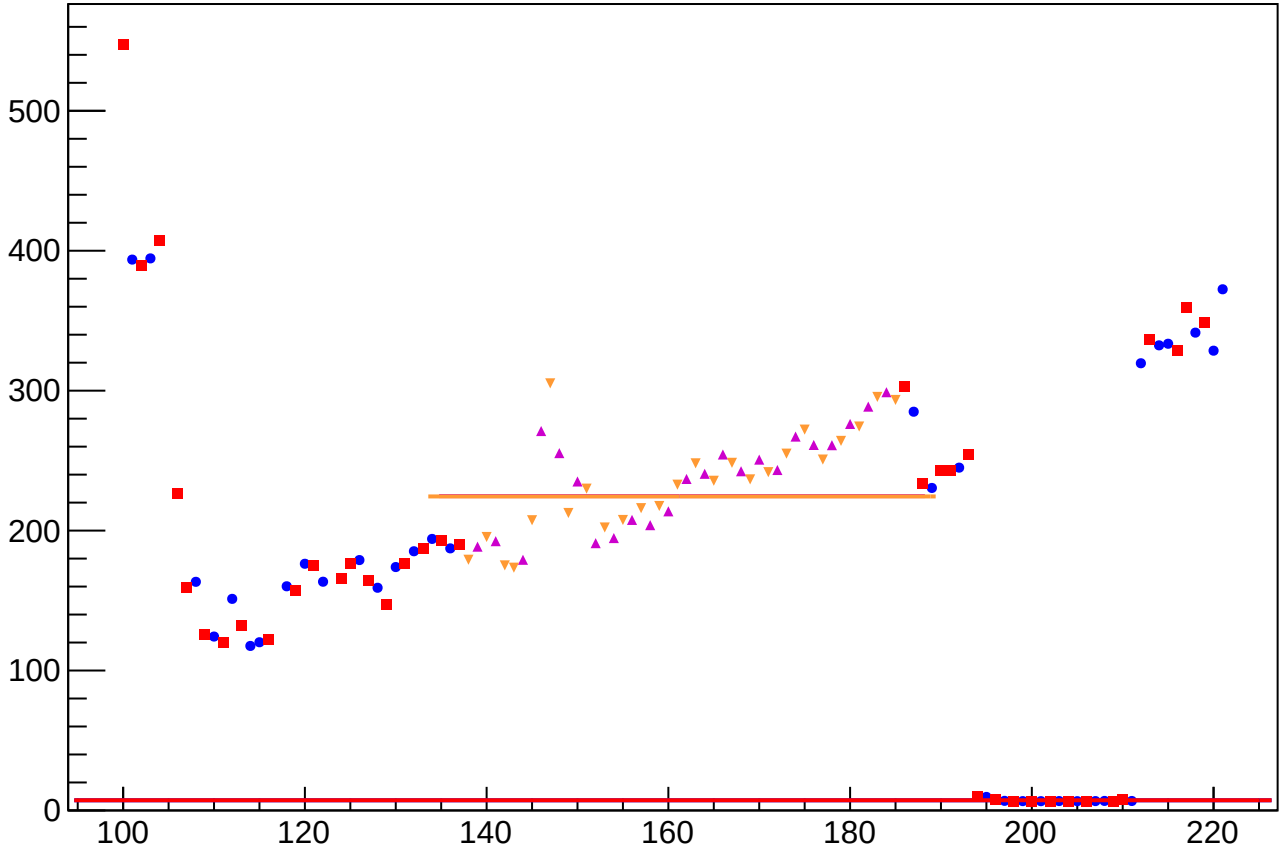
Right: -881.177+/-0.002 χ^2/NDF: 13441417360741

In: -602.956+/-0.003 χ^2/NDF:13884323049583.7/

Out: -442.265+/-0.003 χ^2/NDF:15025557341789.0

All: -528.221+/-0.002 χ^2/NDF: 2911801132

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: 7.297+/-0.002 χ^2/NDF: 24871539.7/36

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

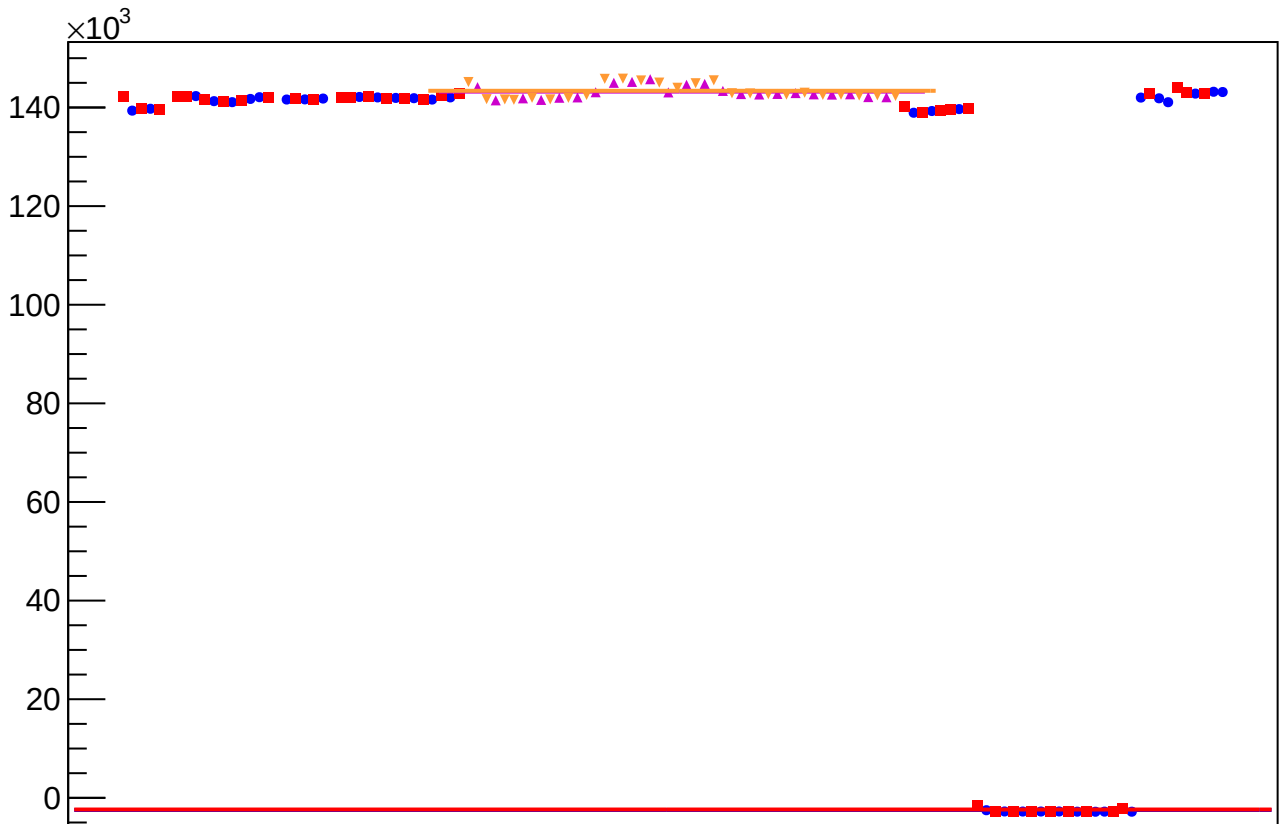
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.278+/-0.001 χ^2/NDF: 51243173.4/70

In: 7.735+/-0.002 χ^2/NDF:60003545.0/56

Out: 7.874+/-0.002 χ^2/NDF:60479936.5/61

All: 7.799+/-0.001 χ^2/NDF: 120486369.7/118



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: -2368.817+/-0.003 χ^2/NDF: 6367953722242.8/36

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

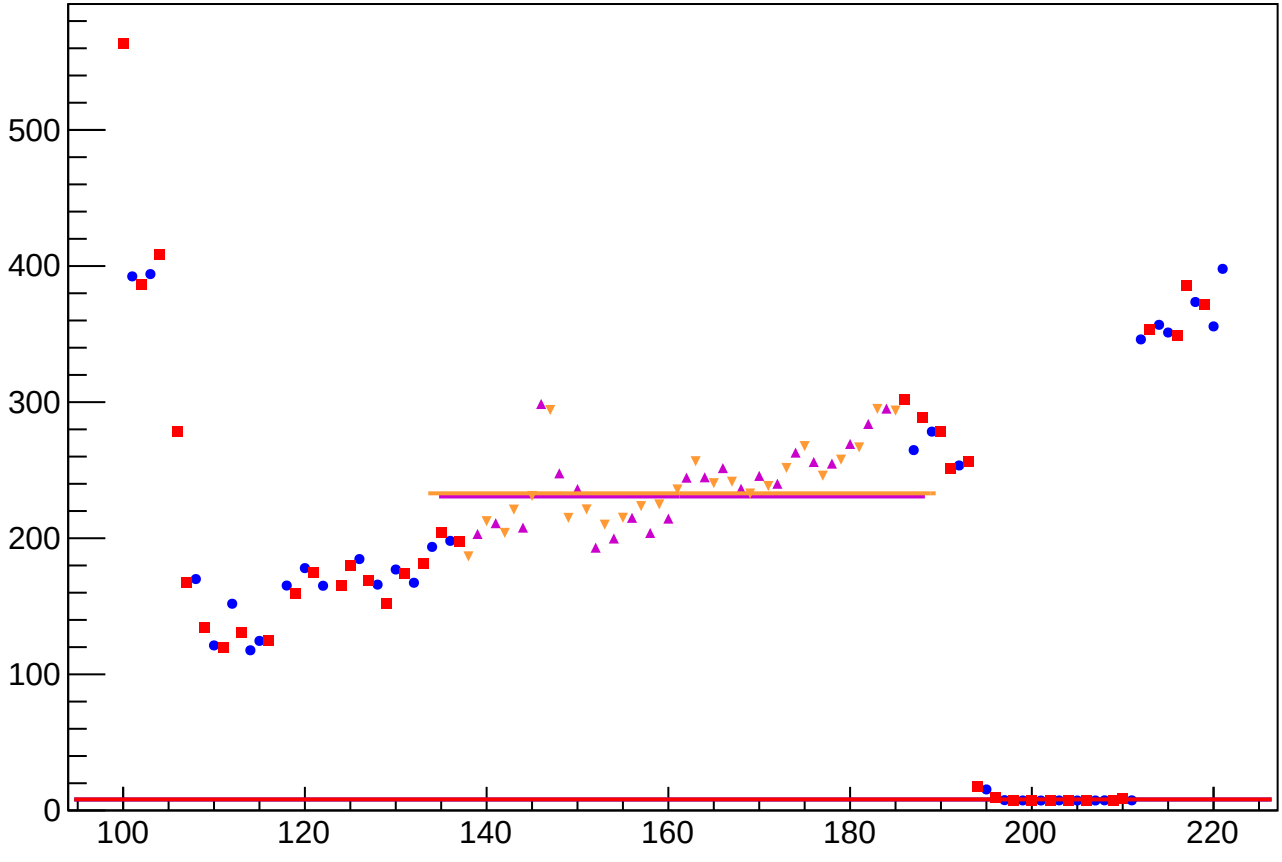
Right: -2420.102+/-0.002 χ^2/NDF: 1218251994440

In: -2086.669+/-0.003 χ^2/NDF:12856275999017.4

Out: -1914.785+/-0.003 χ^2/NDF:13717374053549

All: -2006.761+/-0.002 χ^2/NDF: 2657541105

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: 8.109+/-0.002 χ^2/NDF: 24898687.8/36

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

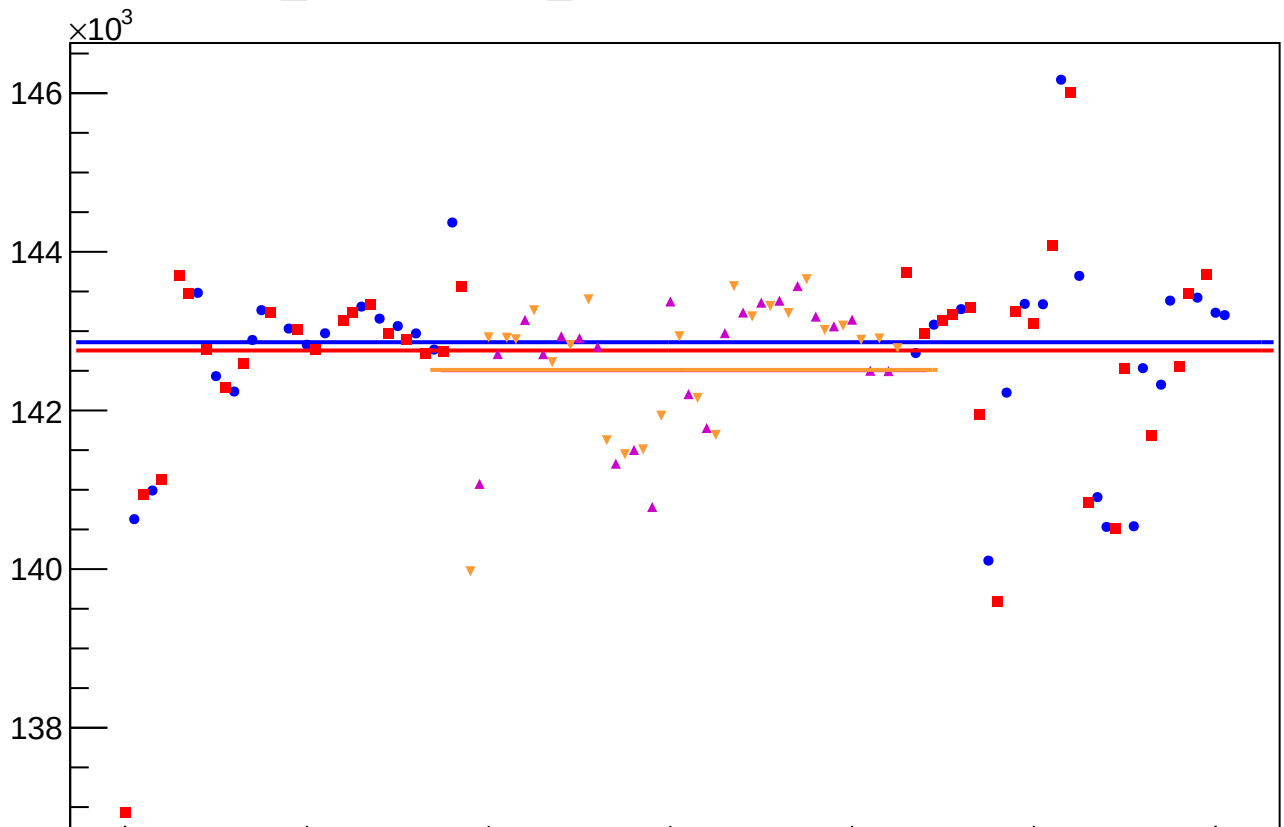
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.078+/-0.001 χ^2/NDF: 51416687.3/70

In: 8.629+/-0.002 χ^2/NDF:59920995.9/56

Out: 8.810+/-0.002 χ^2/NDF:60335678.7/61

All: 8.713+/-0.001 χ^2/NDF: 120260573.2/118



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: 142756.107+/-0.053 χ^2/NDF: 256602722.0/36

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

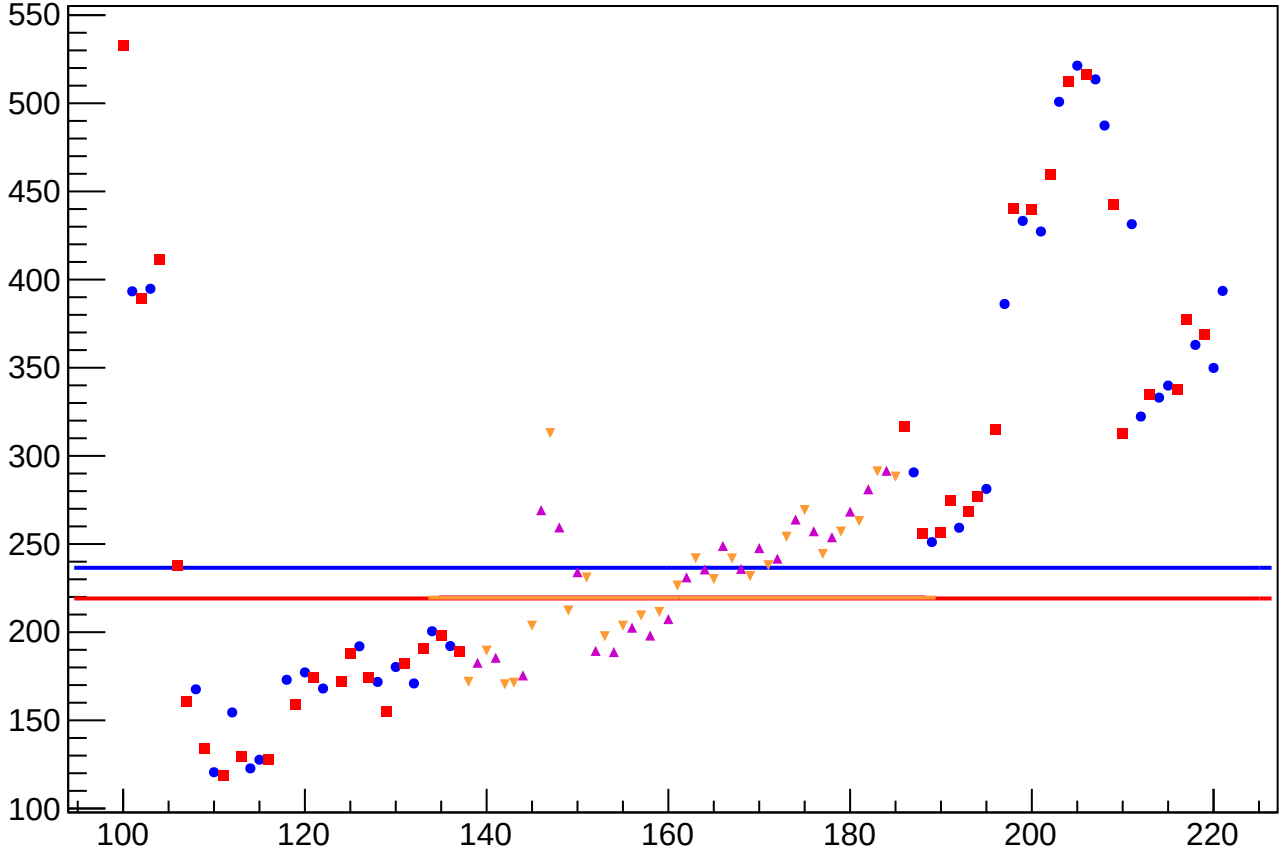
Right: 142805.343+/-0.038 χ^2/NDF: 562873065.7/7

In: 142672.971+/-0.038 χ^2/NDF:594953846.9/56

Out: 142629.471+/-0.037 χ^2/NDF:605844638.1/61

All: 142650.301+/-0.026 χ^2/NDF: 12014743

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: 219.116+/-0.037 χ^2/NDF: 7338722.8/36

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

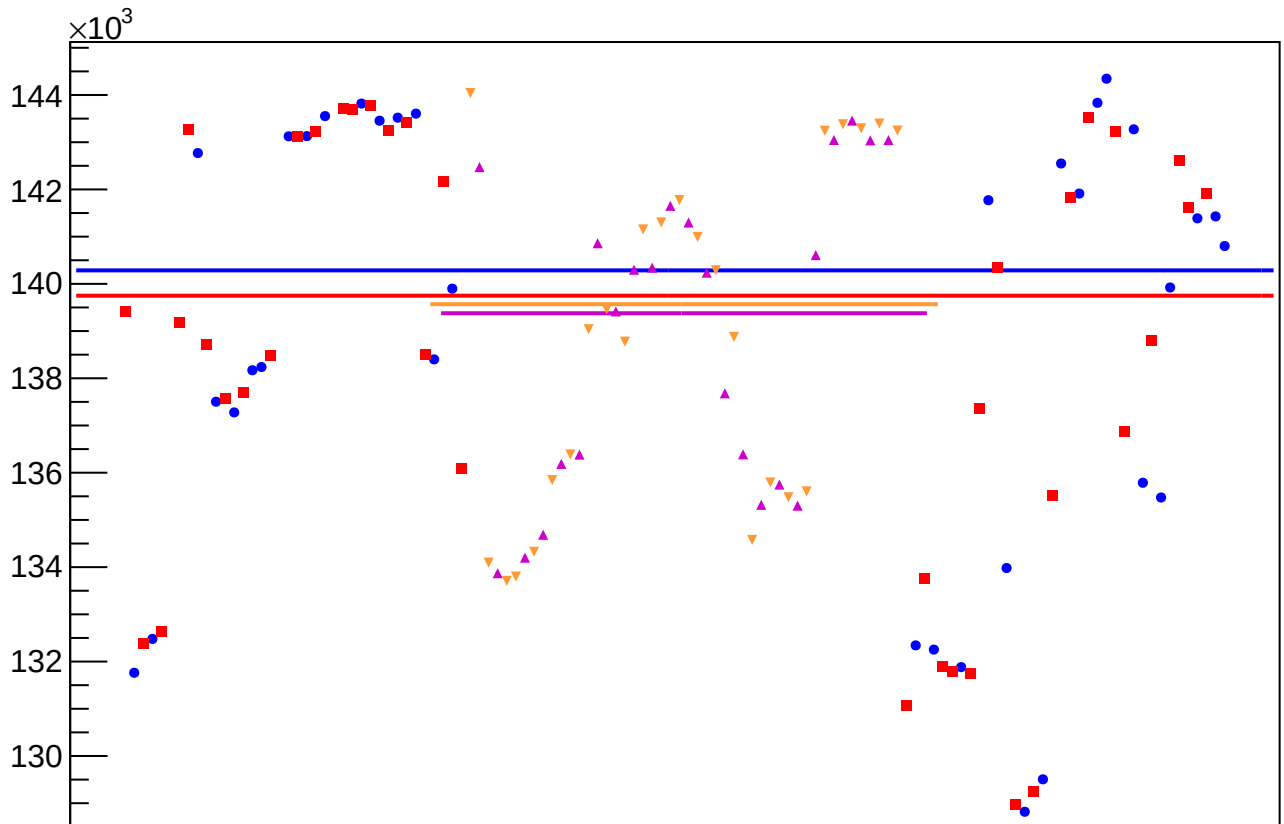
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 227.326+/-0.027 χ^2/NDF: 14529375.5/70

In: 227.646+/-0.027 χ^2/NDF:7988598.7/56

Out: 219.376+/-0.026 χ^2/NDF:8240843.2/61

All: 223.336+/-0.019 χ^2/NDF: 16278305.3/11



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: 139749.470+/-0.078 χ^2/NDF: 2898718252.6/36

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

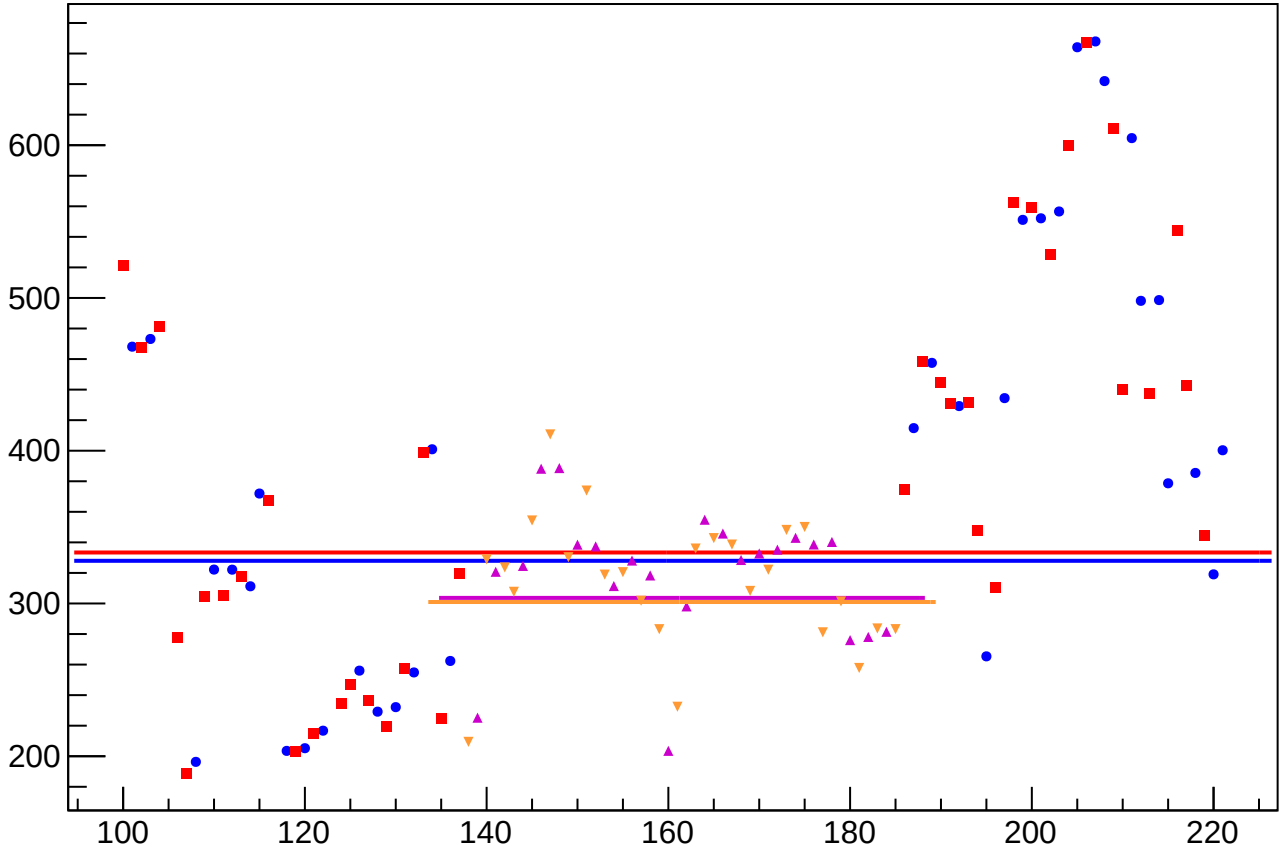
Right: 140023.659+/-0.054 χ^2/NDF: 5746615845.3/

In: 139812.366+/-0.053 χ^2/NDF:4819271453.3/56

Out: 139649.535+/-0.052 χ^2/NDF:5488334344.4/6

All: 139730.040+/-0.037 χ^2/NDF: 10312440

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: 333.379+/-0.055 χ^2/NDF: 4846164.6/36

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

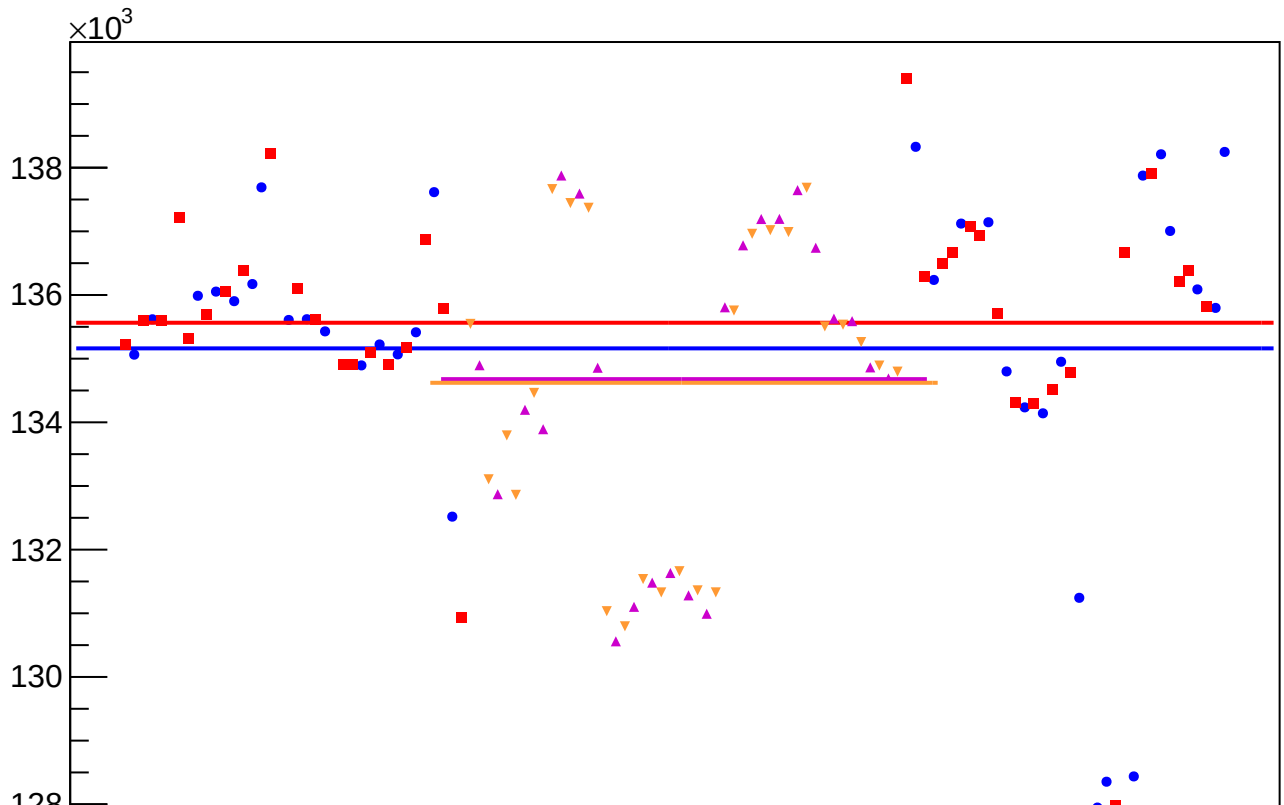
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 330.593+/-0.038 χ^2/NDF: 10236194.8/70

In: 315.285+/-0.037 χ^2/NDF:6467348.4/56

Out: 315.454+/-0.037 χ^2/NDF:5914628.2/61

All: 315.371+/-0.026 χ^2/NDF: 12381987.0/11



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: 135564.195+/-0.070 χ^2/NDF: 785468480.5/36

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

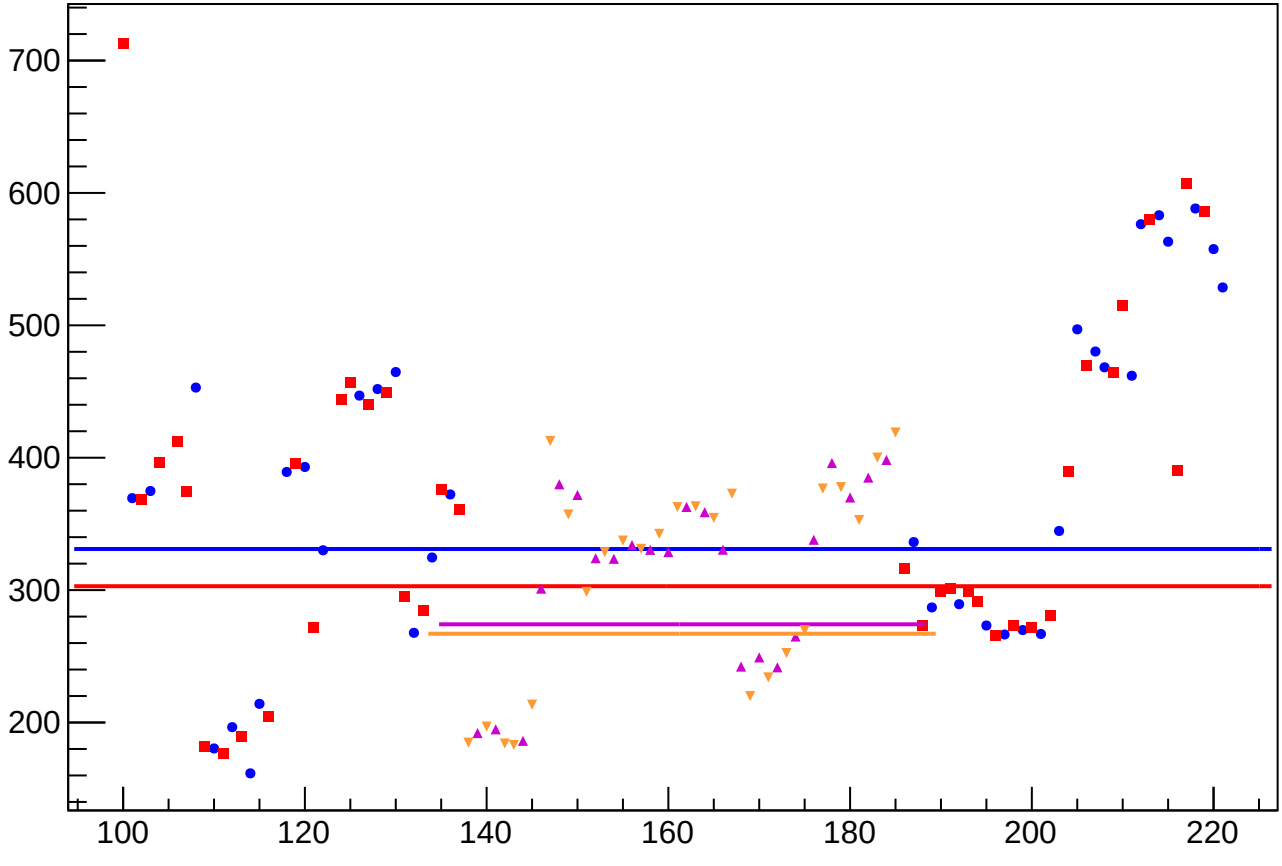
Right: 135377.945+/-0.051 χ^2/NDF: 1733777876.4/

In: 134891.780+/-0.050 χ^2/NDF:2052236983.9/56

Out: 135049.826+/-0.047 χ^2/NDF:2086532698.4/6

All: 134975.563+/-0.034 χ^2/NDF: 41440678

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: 302.938+/-0.049 χ^2/NDF: 4149457.0/36

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

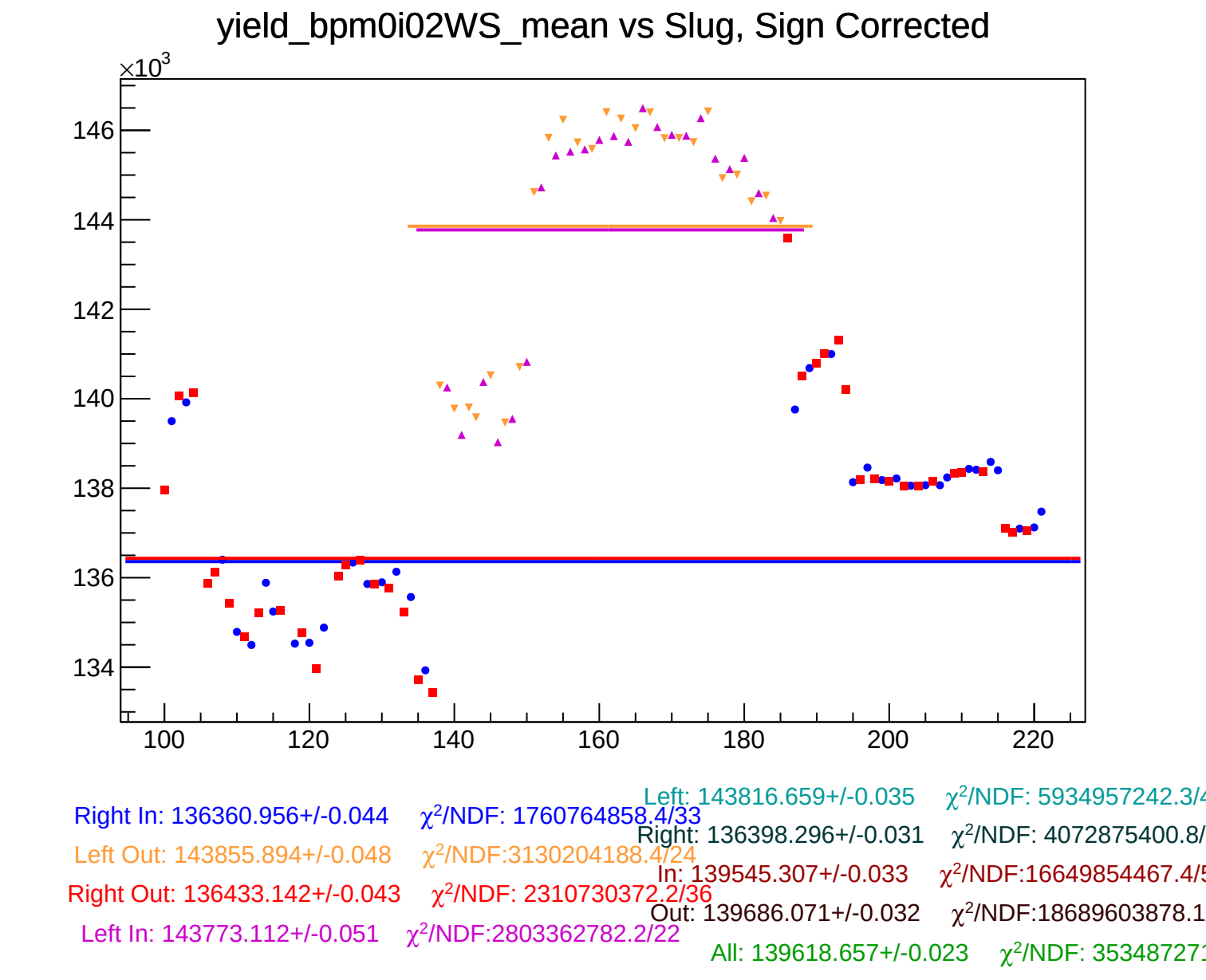
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 315.936+/-0.036 χ^2/NDF: 8829175.9/70

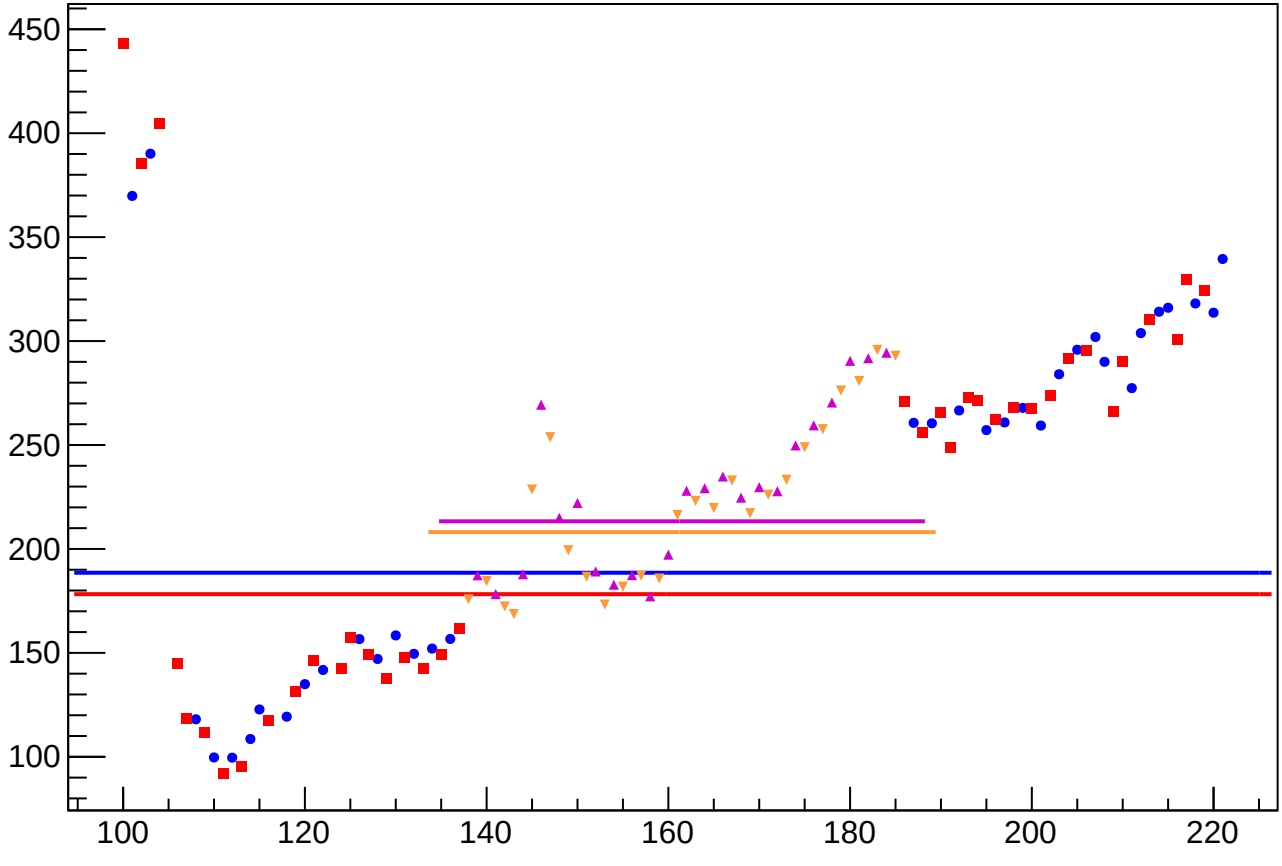
In: 299.281+/-0.035 χ^2/NDF:7404490.6/56

Out: 283.368+/-0.033 χ^2/NDF:7281012.3/61

All: 290.846+/-0.024 χ^2/NDF: 14792926.2/11


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: 136433.142+/-0.043 χ²/NDF: 2310730372.2/36
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 136398.296+/-0.031 χ²/NDF: 4072875400.8/
In: 139545.307+/-0.033 χ²/NDF:16649854467.4/5
Out: 139686.071+/-0.032 χ²/NDF:18689603878.1
All: 139618.657+/-0.023 χ²/NDF: 35348727

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: 178.241+/-0.030 χ^2/NDF: 7070972.4/36

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

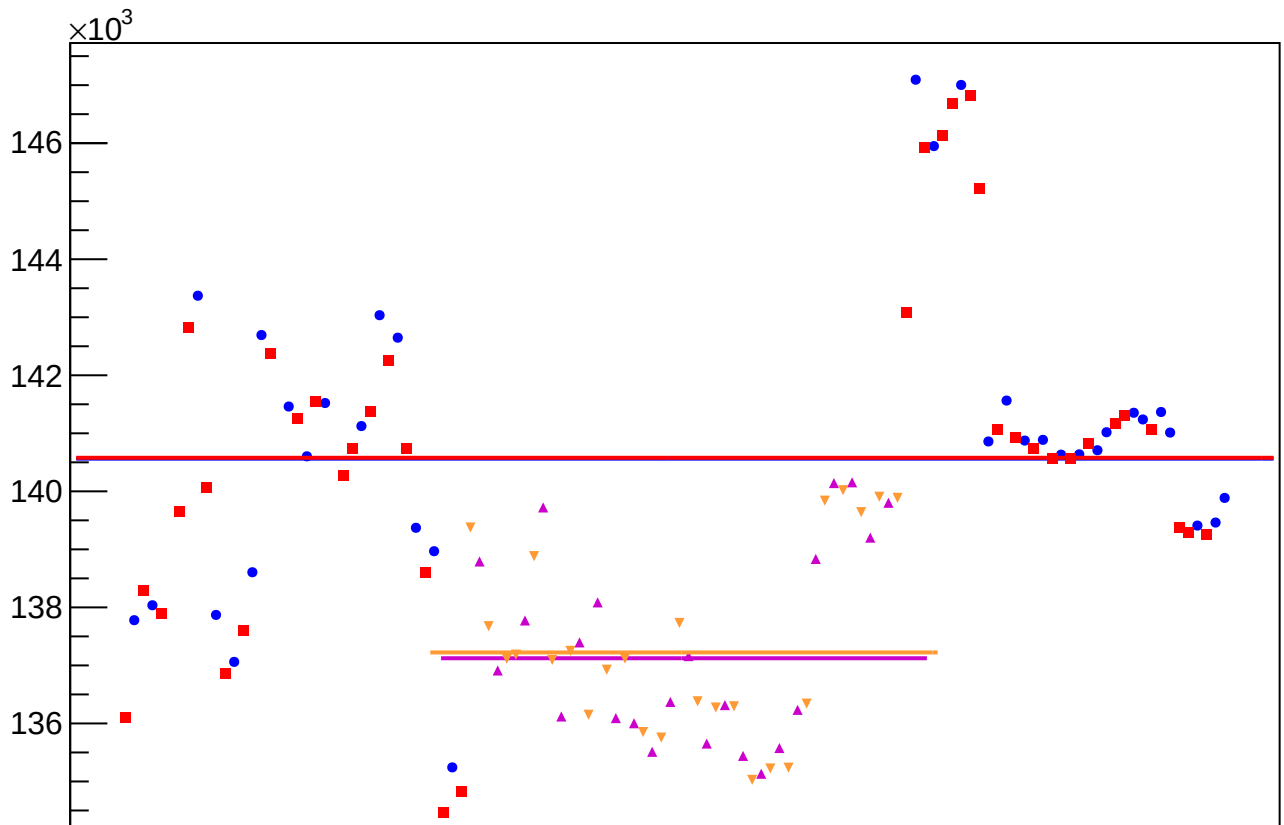
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 183.219+/-0.022 χ^2/NDF: 13971005.2/70

In: 199.179+/-0.024 χ^2/NDF:7978400.2/56

Out: 191.326+/-0.023 χ^2/NDF:8492768.3/61

All: 195.087+/-0.016 χ^2/NDF: 16528863.1/11



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: 140578.203+/-0.048 χ^2/NDF: 3280032737.9/36

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

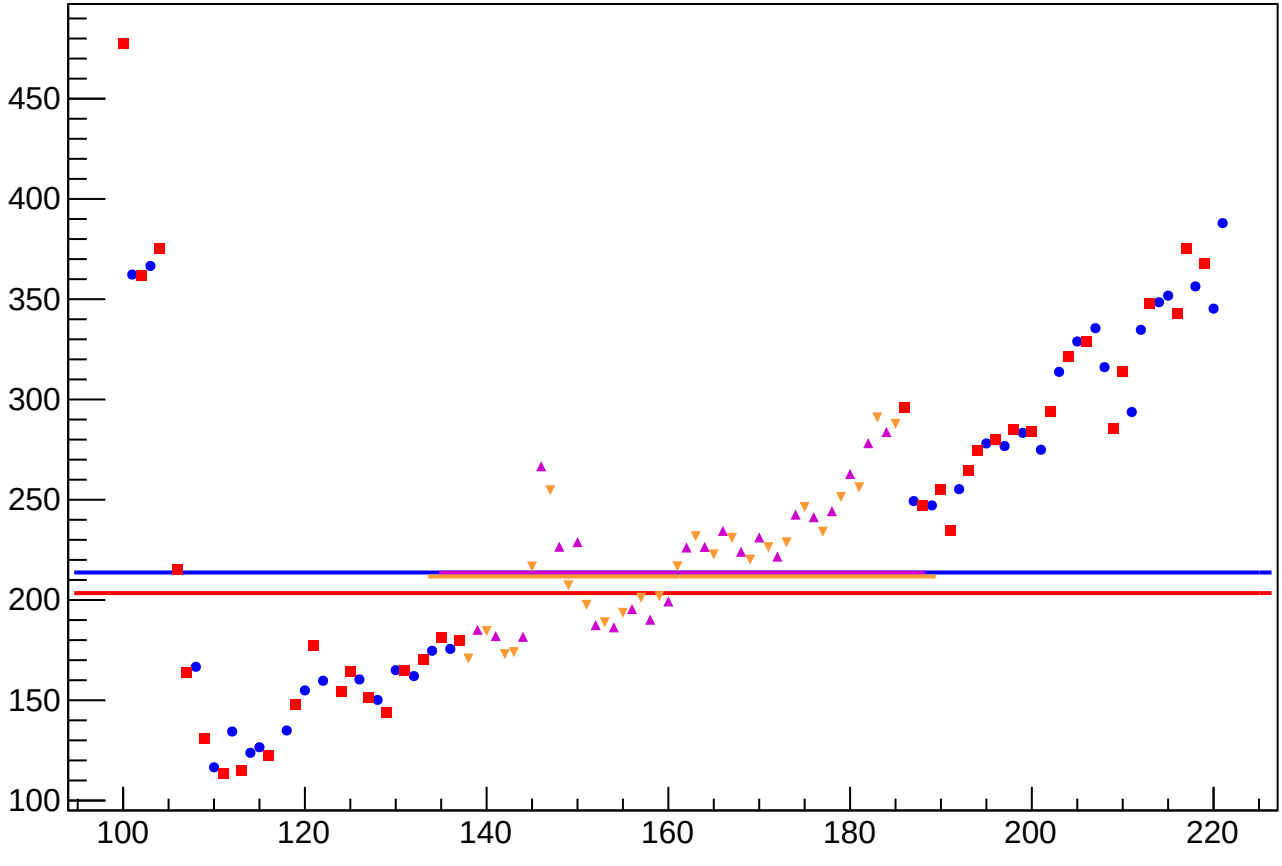
Right: 140571.282+/-0.034 χ^2/NDF: 6125617680.0/

In: 138897.240+/-0.035 χ^2/NDF:6060825751.7/56

Out: 138941.878+/-0.034 χ^2/NDF:6570612695.6/6

All: 138920.313+/-0.025 χ^2/NDF: 12632258

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: 203.440+/-0.034 χ^2/NDF: 5769693.9/36

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

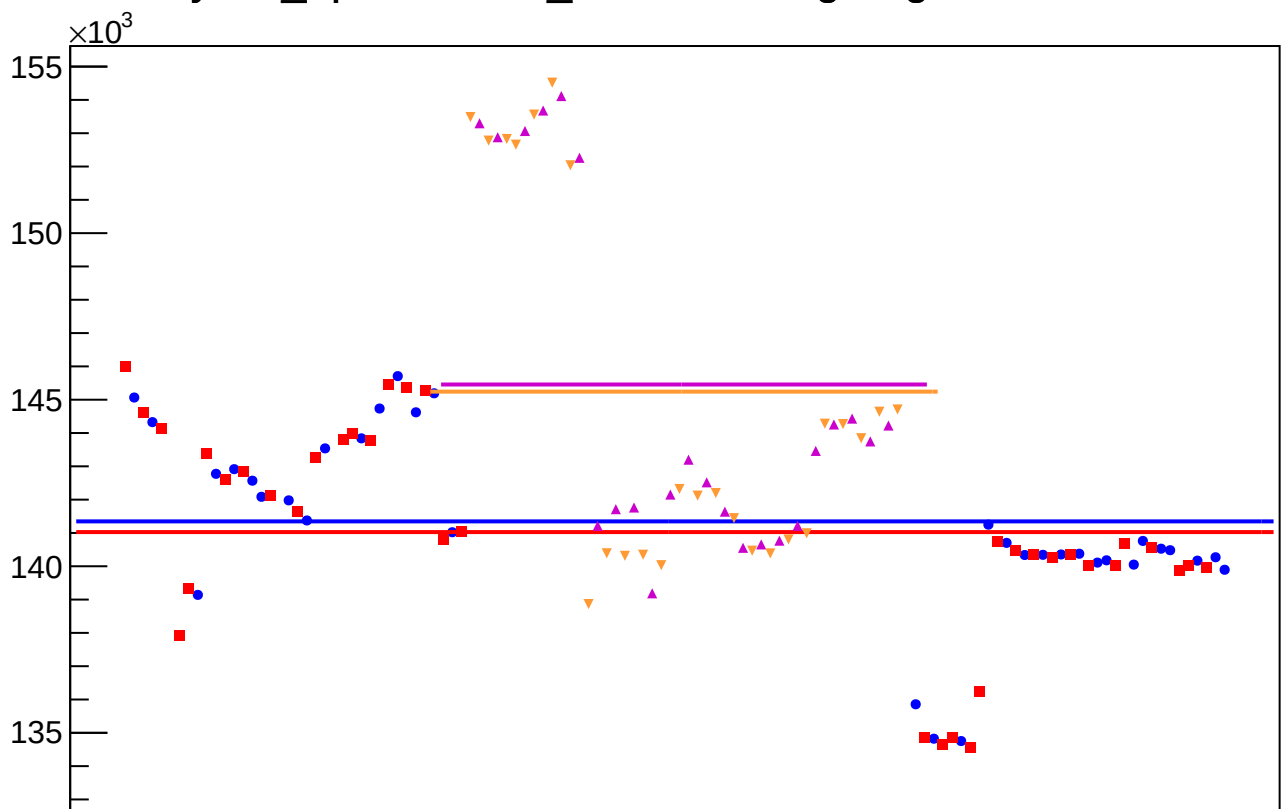
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 208.422+/-0.024 χ^2/NDF: 11476370.4/70

In: 213.681+/-0.025 χ^2/NDF:6283305.9/56

Out: 207.476+/-0.024 χ^2/NDF:6474434.2/61

All: 210.473+/-0.017 χ^2/NDF: 12789440.7/1



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: 141026.069+/-0.047 χ^2/NDF: 4454599668.7/36

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

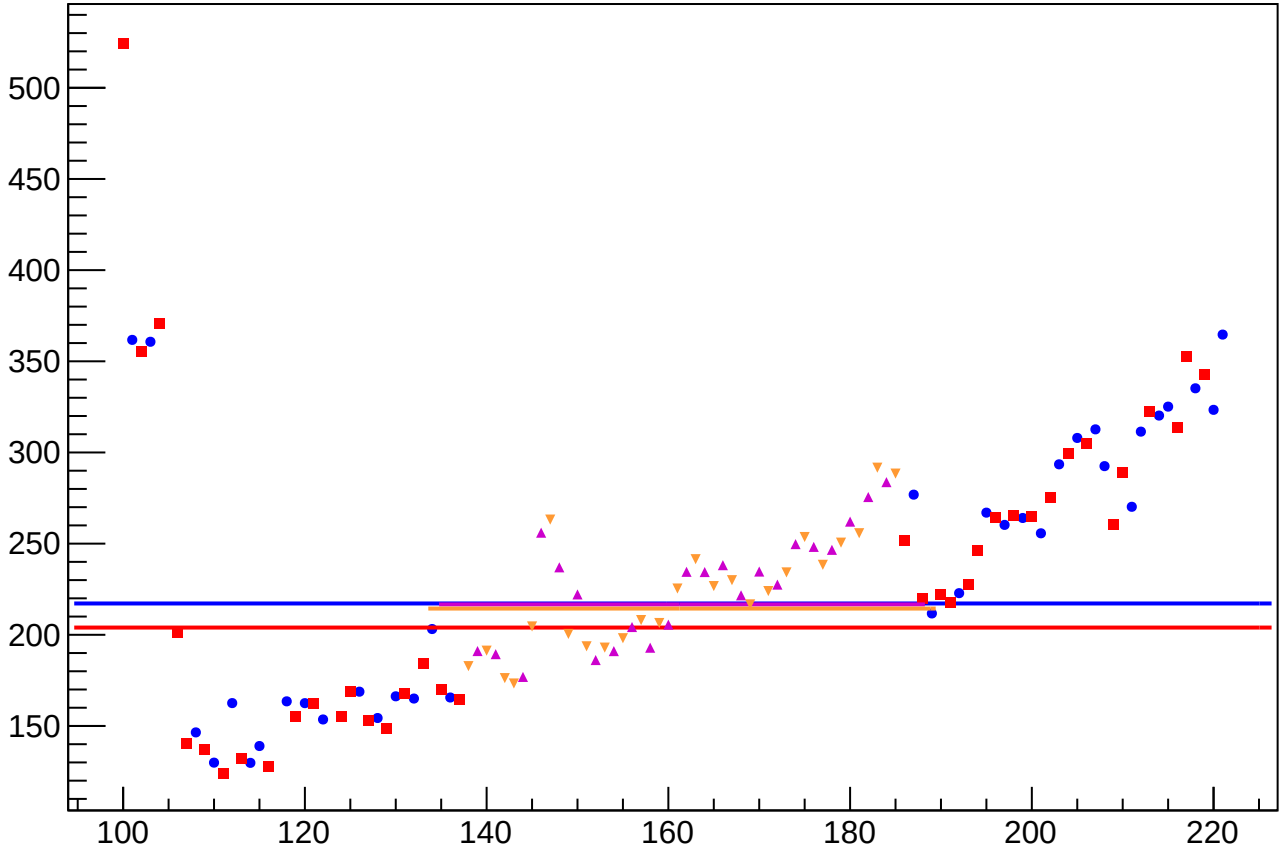
Right: 141179.676+/-0.034 χ^2/NDF: 7359158948.8/

In: 143304.573+/-0.036 χ^2/NDF:17279443291.0/5

Out: 143022.794+/-0.034 χ^2/NDF:21288268336.9

All: 143157.834+/-0.025 χ^2/NDF: 38600344

yield_bpm0i05WS_rms vs Slug, Sign Corrected



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: 203.971+/-0.033 χ^2/NDF: 4269444.7/36

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

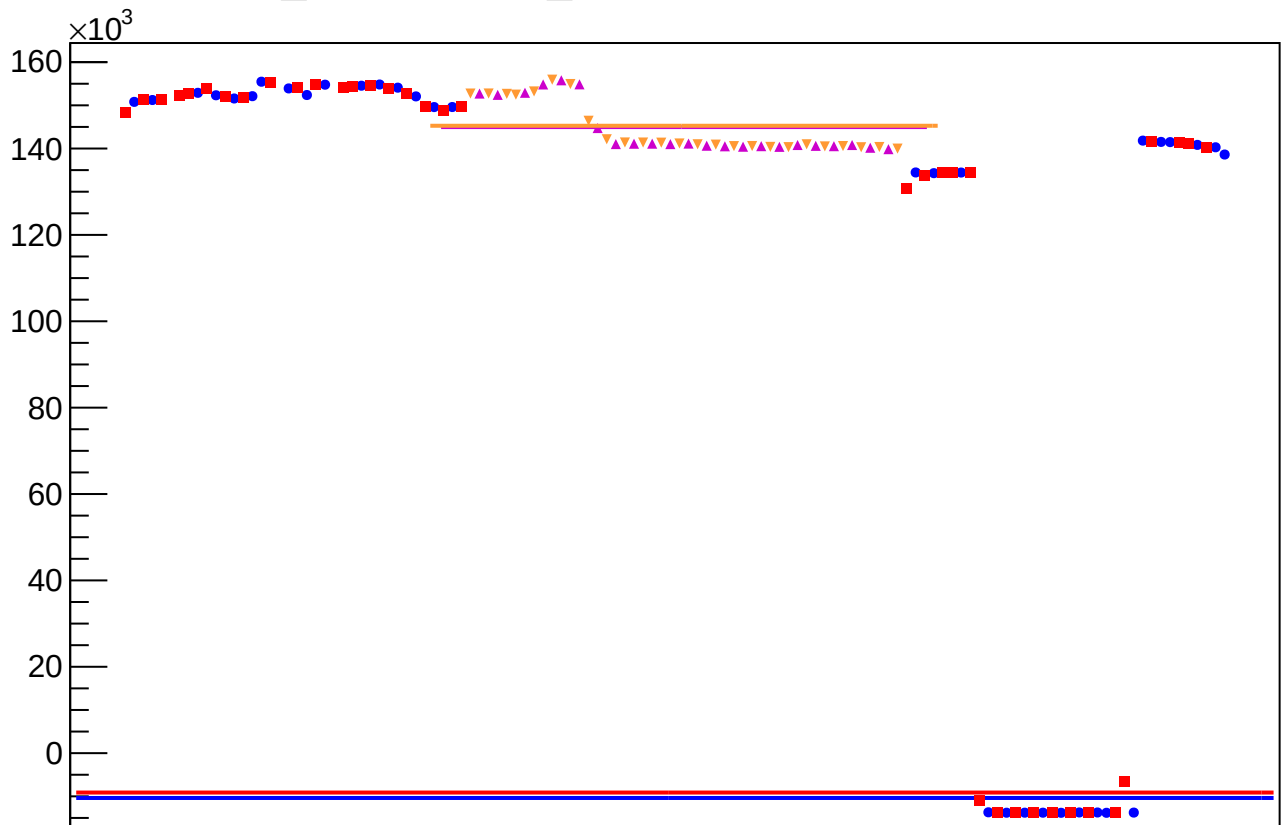
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 210.285+/-0.024 χ^2/NDF: 8483435.2/70

In: 216.930+/-0.025 χ^2/NDF:4725951.4/56

Out: 208.906+/-0.024 χ^2/NDF:4959258.4/61

All: 212.752+/-0.017 χ^2/NDF: 9738141.7/118



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: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

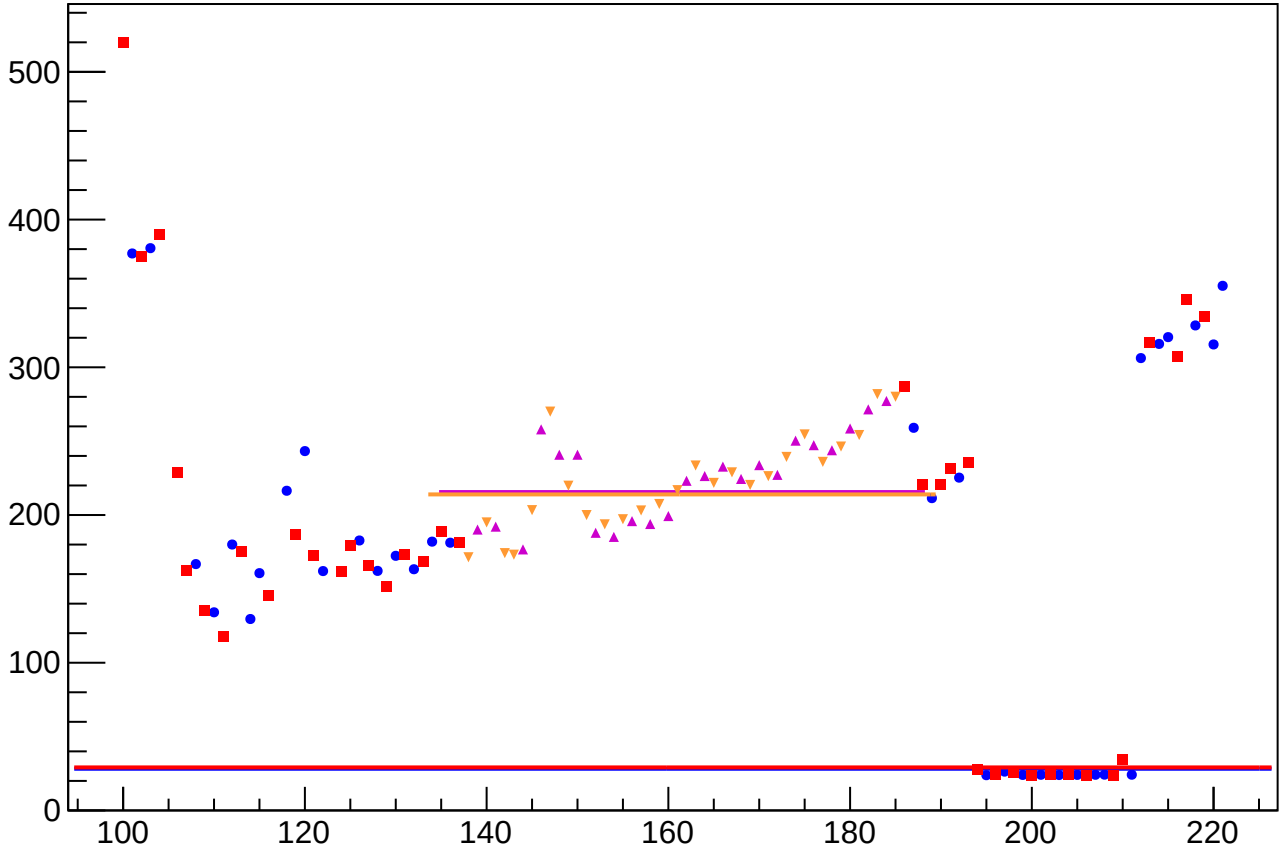
Right: -9793.510+/-0.006 χ^2/NDF: 1491869657961

In: -5988.915+/-0.009 χ^2/NDF:16013277246174.9

Out: -3752.186+/-0.009 χ^2/NDF:17299280929128

All: -4945.913+/-0.006 χ^2/NDF: 3334404675

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: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

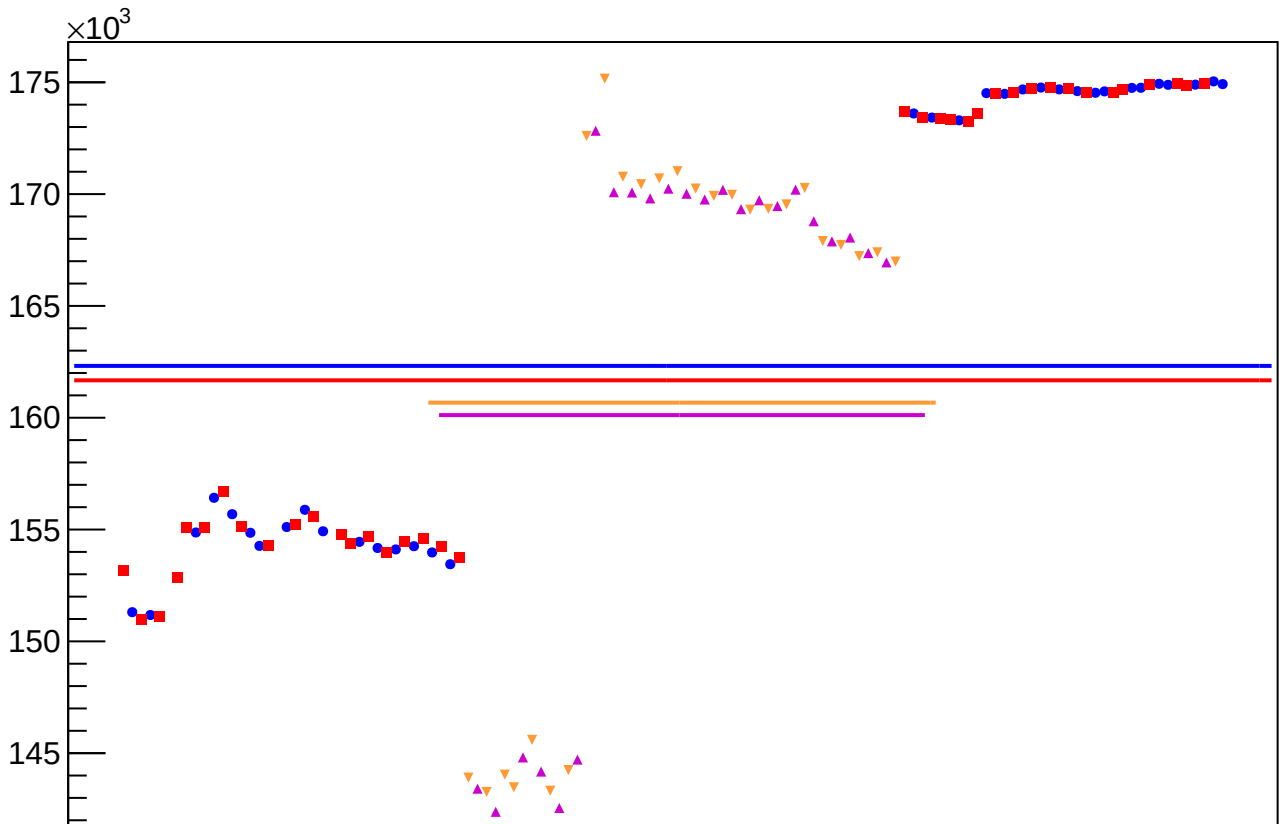
Right: 28.653+/-0.005 χ^2/NDF: 41713770.2/70

In: 33.528+/-0.006 χ^2/NDF:48261025.9/56

Out: 35.559+/-0.007 χ^2/NDF:47733446.9/61

All: 34.475+/-0.004 χ^2/NDF: 96046388.4/118

yield_bpm1i02WS_mean vs Slug, Sign Corrected



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: 161672.266+/-0.049 χ^2/NDF: 36338249344.6/36

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

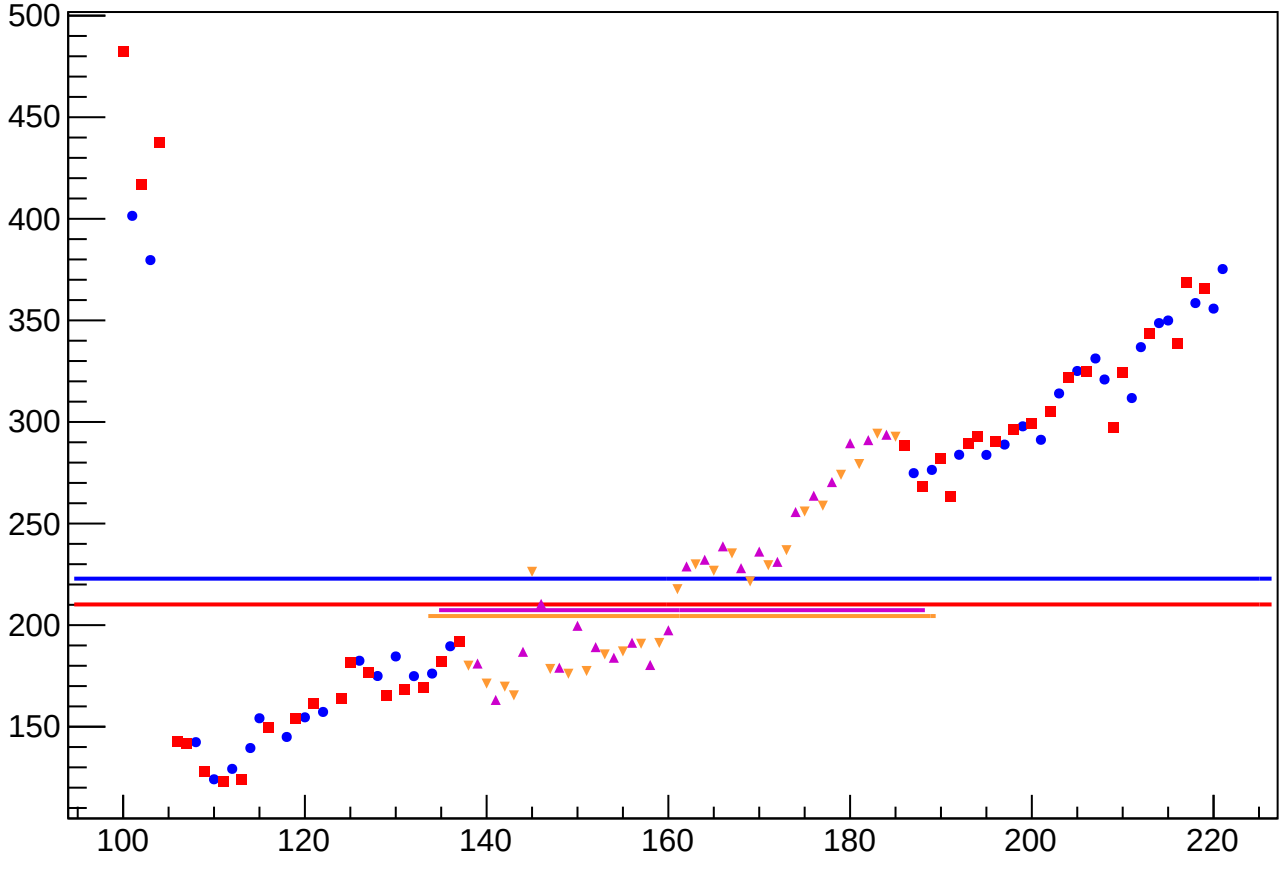
Right: 161982.004+/-0.035 χ^2/NDF: 72045507964.5

In: 161178.479+/-0.036 χ^2/NDF:103134518906.1

Out: 161155.474+/-0.034 χ^2/NDF:110706845246.

All: 161166.502+/-0.025 χ^2/NDF: 21384158

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: 210.181+/-0.035 χ^2/NDF: 5737529.4/36

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

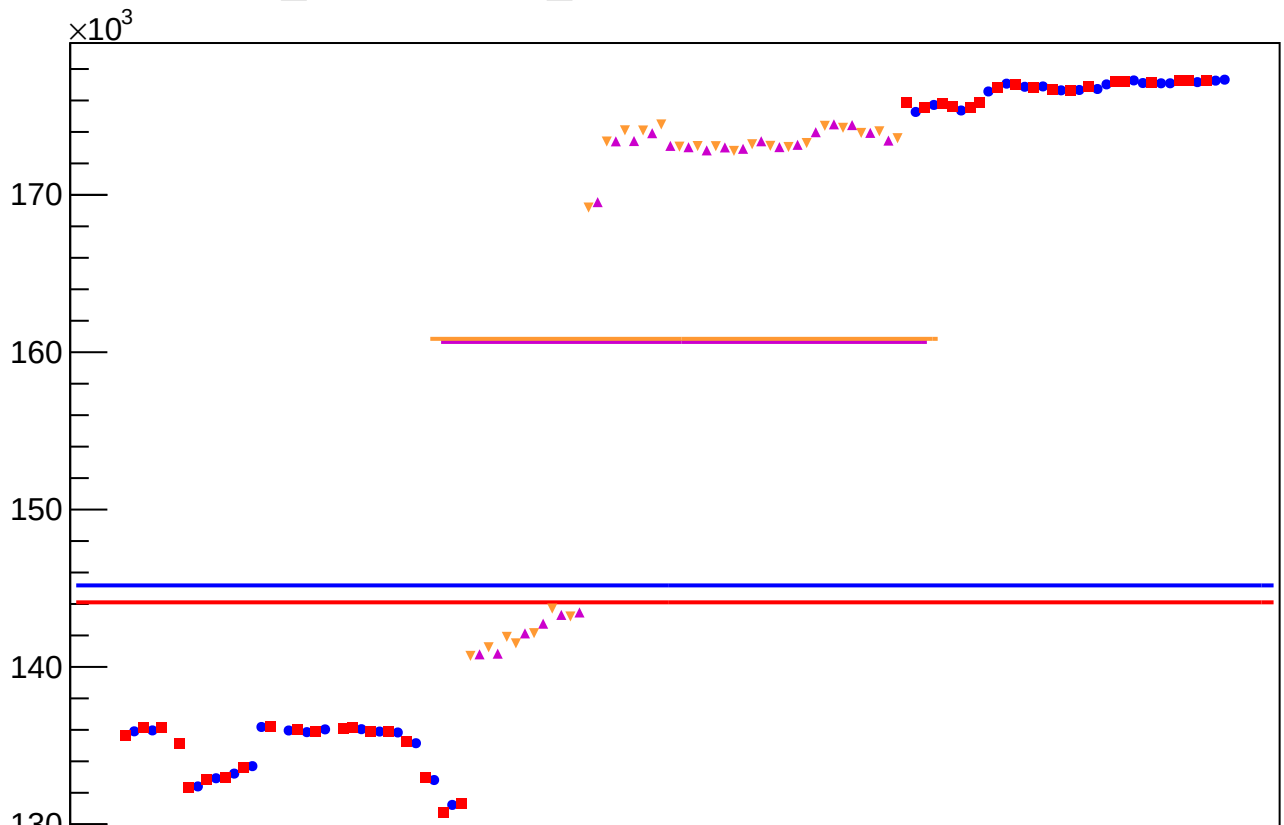
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 216.270+/-0.025 χ^2/NDF: 11252571.1/70

In: 214.846+/-0.025 χ^2/NDF:6502719.2/56

Out: 207.225+/-0.024 χ^2/NDF:6824694.9/61

All: 210.879+/-0.017 χ^2/NDF: 13375268.6/11



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: 144104.276+/-0.042 χ^2/NDF: 183824521890.7/36

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

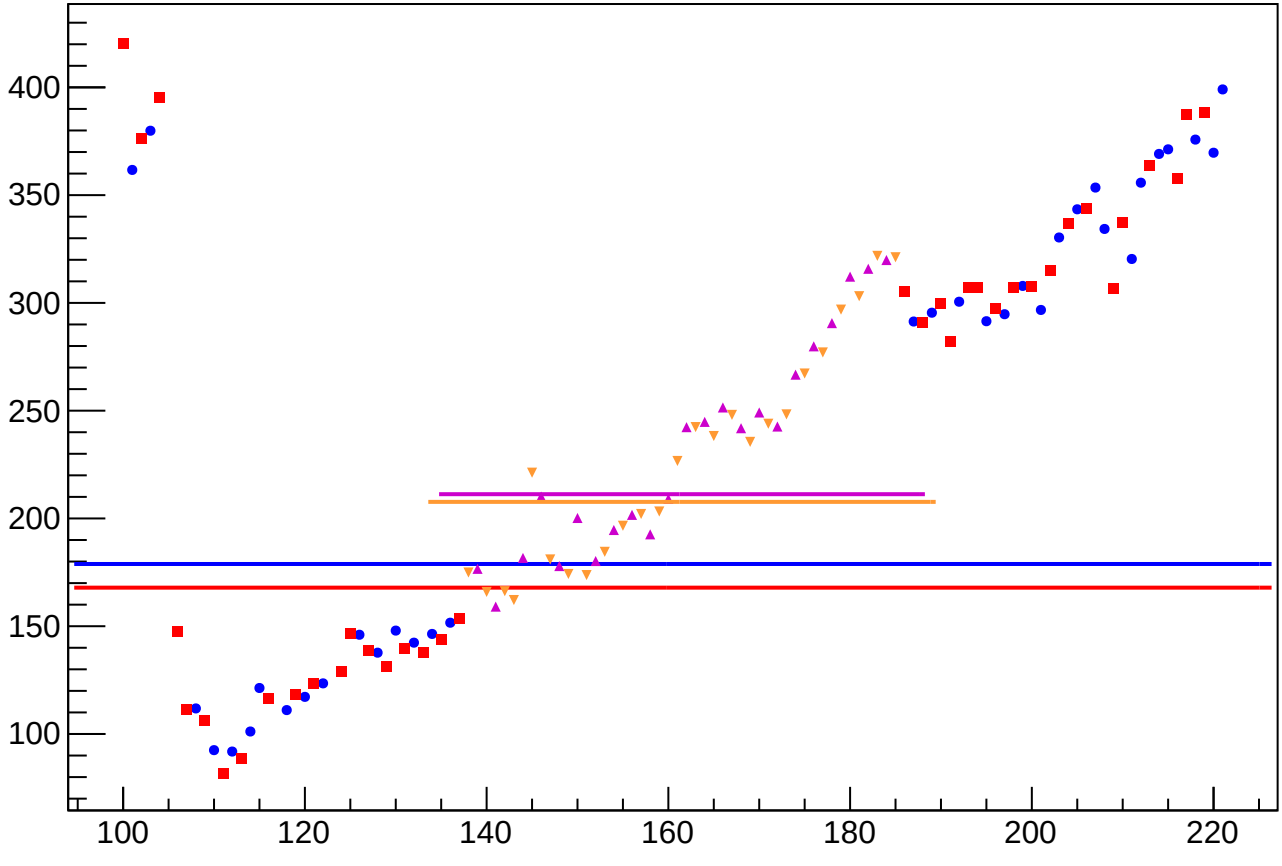
Right: 144619.536+/-0.030 χ^2/NDF: 364623102471

In: 151810.604+/-0.033 χ^2/NDF:324066524460.5

Out: 151292.307+/-0.032 χ^2/NDF:351279286058.

All: 151540.290+/-0.023 χ^2/NDF: 675473484

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: 167.894+/-0.030 χ^2/NDF: 10129841.9/36

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

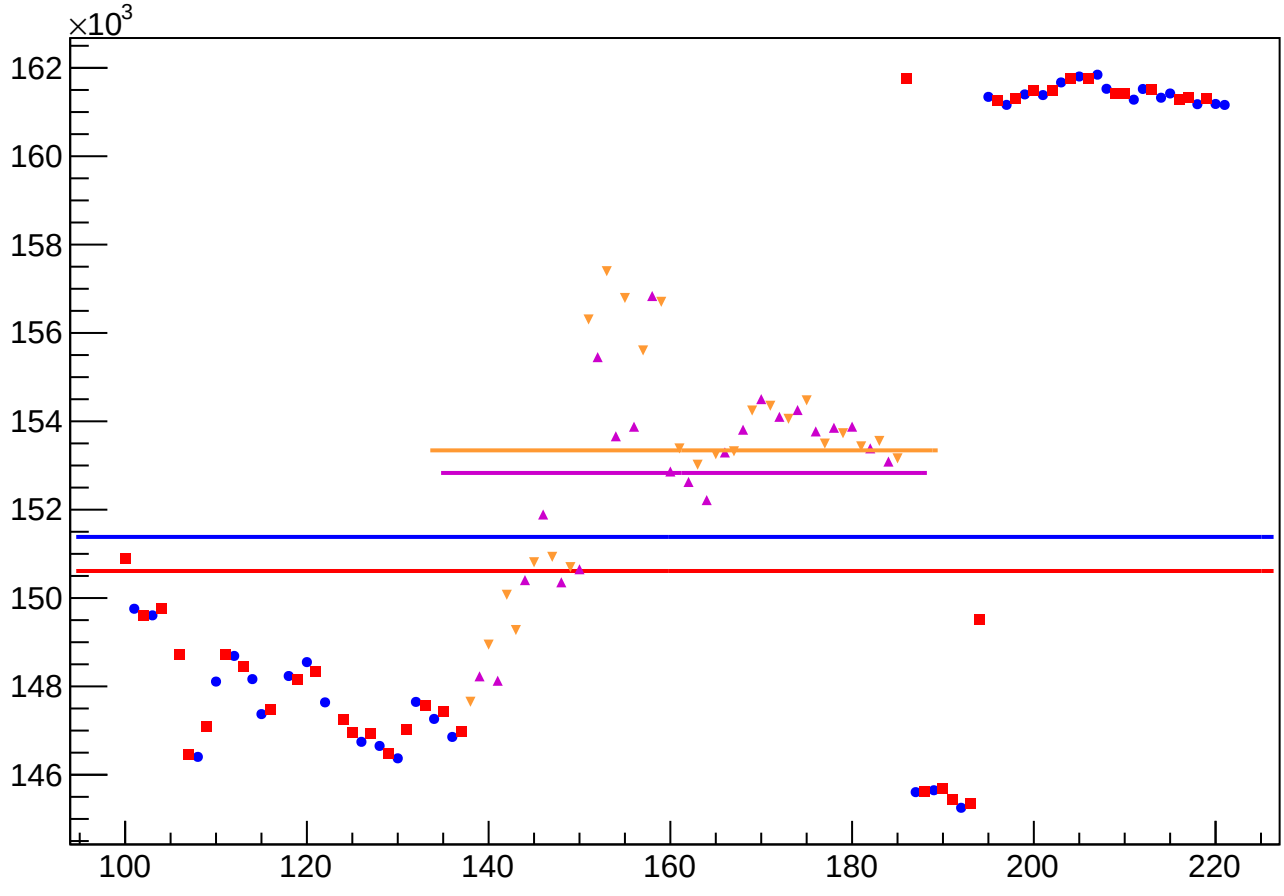
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 173.149+/-0.021 χ^2/NDF: 20221995.8/70

In: 192.747+/-0.023 χ^2/NDF:11800512.0/56

Out: 184.975+/-0.022 χ^2/NDF:12401363.4/61

All: 188.693+/-0.016 χ^2/NDF: 24259291.9/11



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: 150612.172+/-0.048 χ^2/NDF: 14507013373.1/36

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

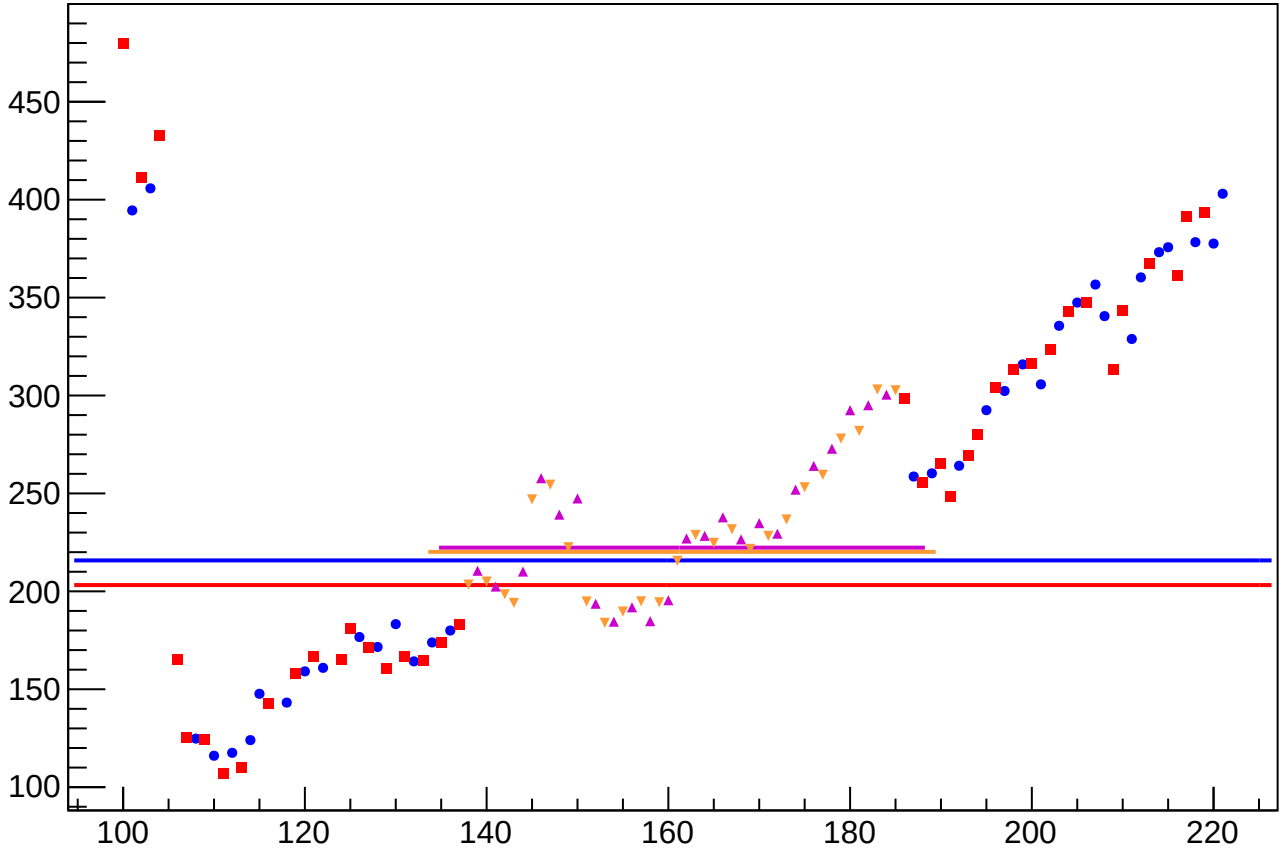
Right: 150981.186+/-0.035 χ^2/NDF: 30533900473.8

In: 152075.575+/-0.037 χ^2/NDF:18212307524.5/5

Out: 151911.082+/-0.035 χ^2/NDF:19000078382.5

All: 151989.959+/-0.025 χ^2/NDF: 37222954

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: 203.197+/-0.034 χ^2/NDF: 6932426.3/36

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

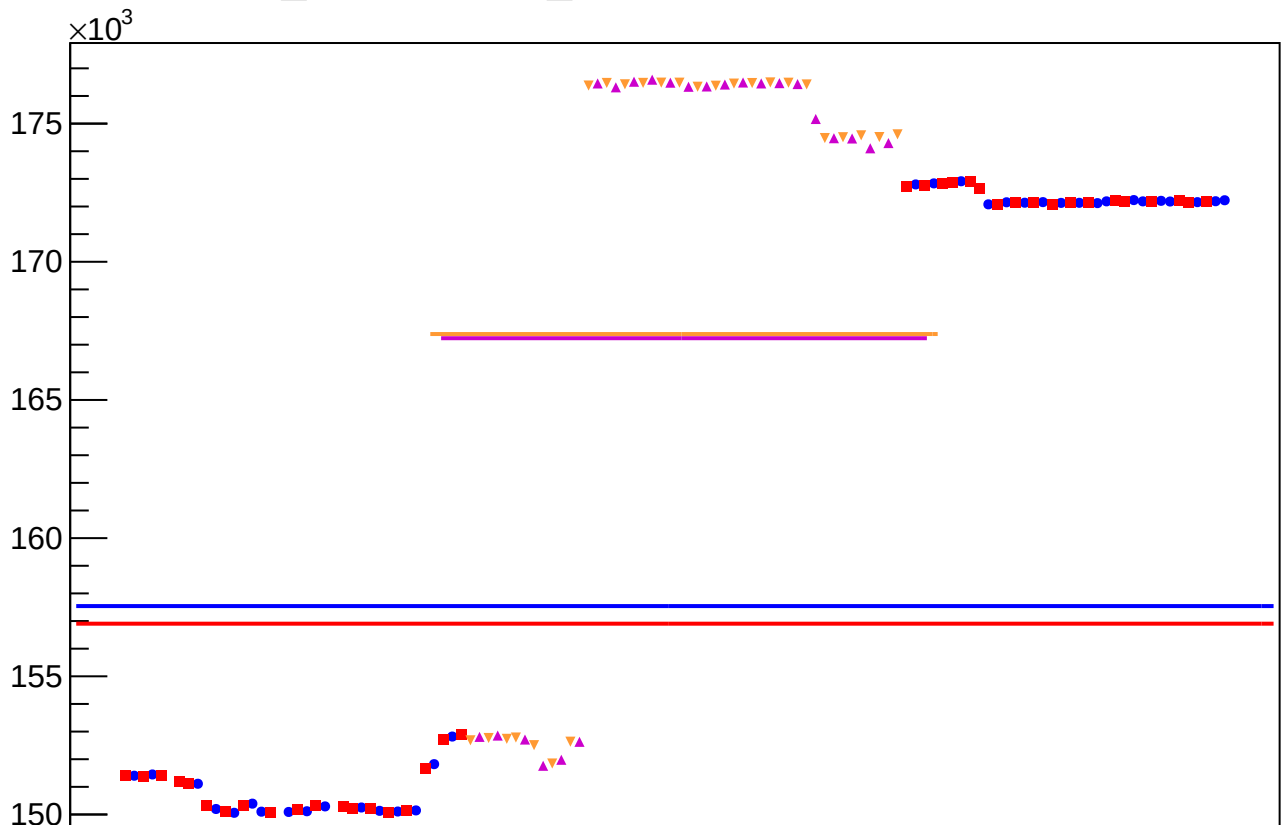
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 209.223+/-0.025 χ^2/NDF: 13876410.7/70

In: 218.905+/-0.026 χ^2/NDF:7592657.7/56

Out: 211.265+/-0.025 χ^2/NDF:7734868.8/61

All: 214.928+/-0.018 χ^2/NDF: 15373119.6/11



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: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

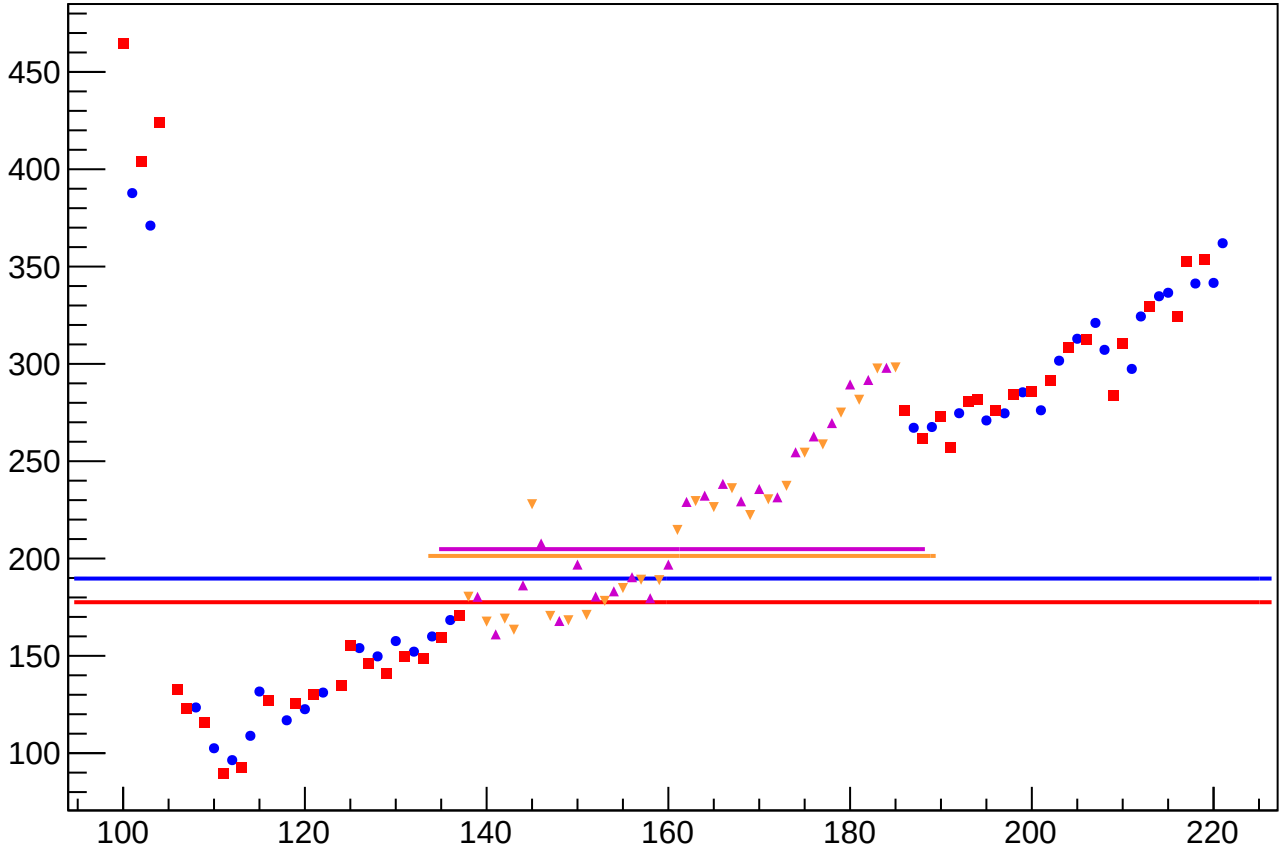
Right: 157207.927+/-0.031 χ^2/NDF: 104443258538

In: 161987.466+/-0.033 χ^2/NDF:127365740363.4

Out: 161700.257+/-0.032 χ^2/NDF:140252678430.

All: 161837.267+/-0.023 χ^2/NDF: 26765779

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: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

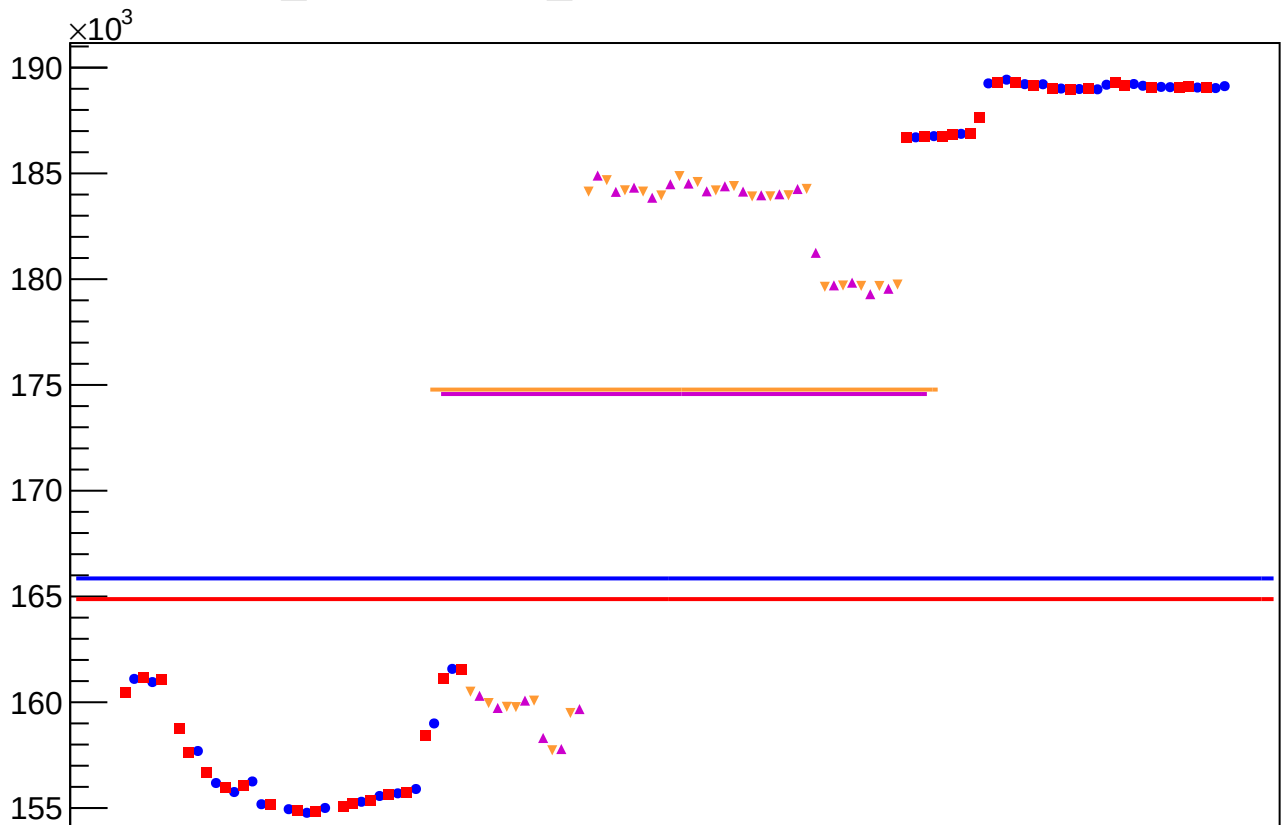
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 183.344+/-0.022 χ^2/NDF: 15813855.8/70

In: 196.641+/-0.023 χ^2/NDF:8872980.0/56

Out: 188.431+/-0.022 χ^2/NDF:9532694.0/61

All: 192.348+/-0.016 χ^2/NDF: 18470029.6/11



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: 164876.168+/-0.046 χ^2/NDF: 96683125727.7/36

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

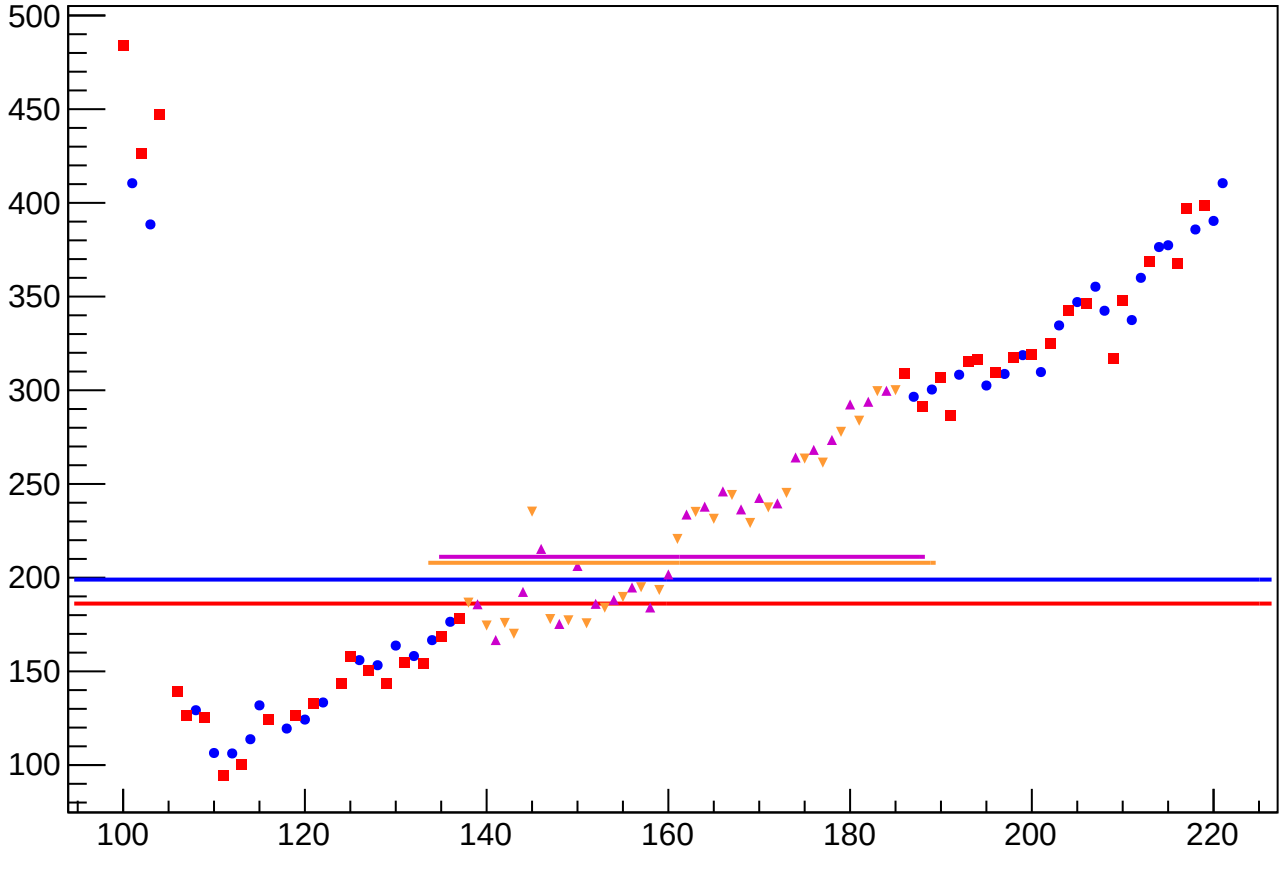
Right: 165341.149+/-0.033 χ^2/NDF: 192191114364

In: 169993.425+/-0.035 χ^2/NDF:165792395517.0

Out: 169554.745+/-0.033 χ^2/NDF:177089655179.

All: 169764.012+/-0.024 χ^2/NDF: 34296568

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: 186.173+/-0.032 χ^2/NDF: 8929298.5/36

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

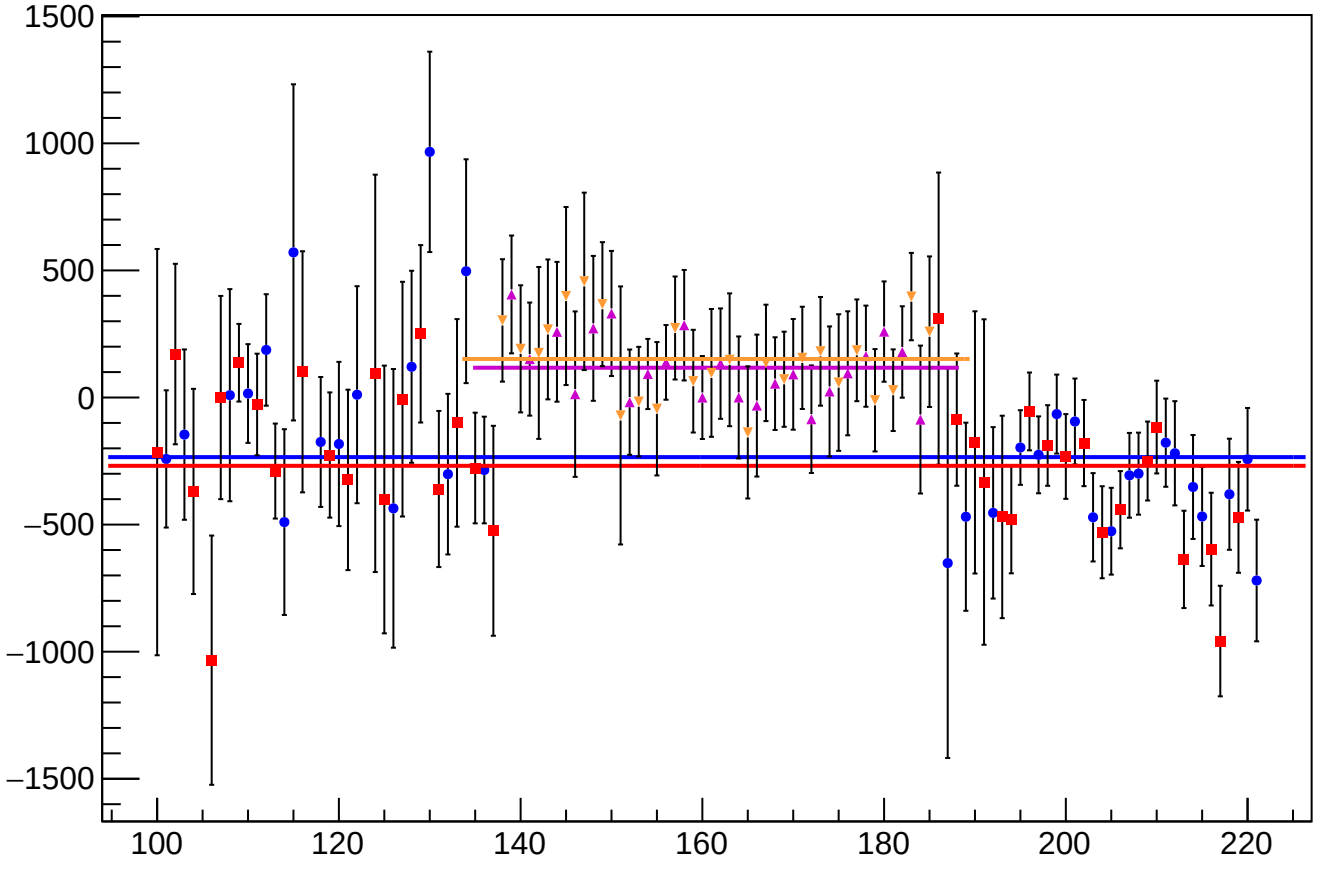
Right: 192.265+/-0.023 χ^2/NDF: 17735192.8/70

In: 204.750+/-0.025 χ^2/NDF:9785900.8/56

Out: 196.455+/-0.023 χ^2/NDF:10276572.4/61

All: 200.412+/-0.017 χ^2/NDF: 20122279.2/11

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: -268.770+/-39.109 χ^2/NDF: 43.3/36

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

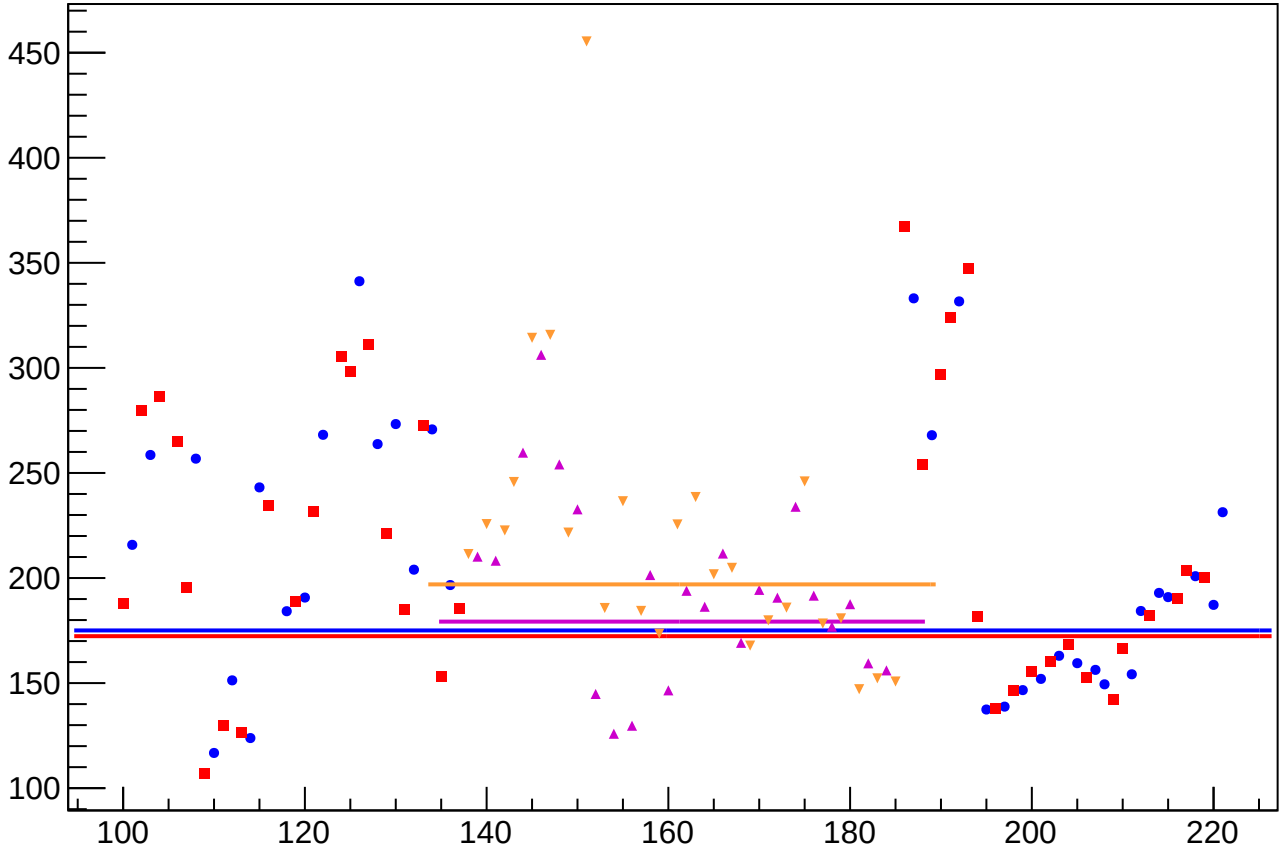
Right: -251.477+/-27.519 χ^2/NDF: 79.6/70

In: -80.121+/-29.007 χ^2/NDF:79.6/56

Out: -94.253+/-29.909 χ^2/NDF:100.9/61

All: -86.971+/-20.823 χ^2/NDF: 180.6/118

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: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

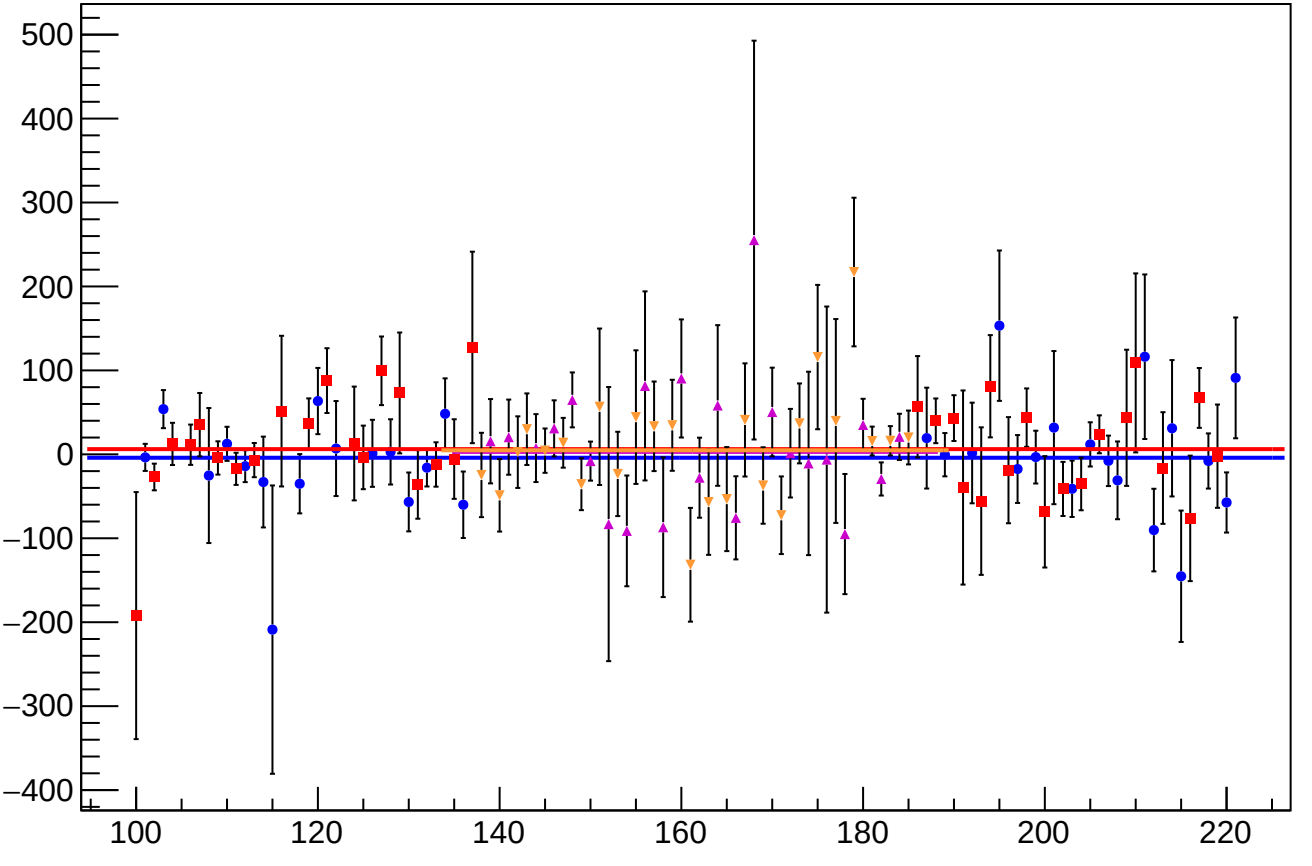
Right: 173.708+/-0.019 χ^2/NDF: 5539405.4/70

In: 176.902+/-0.021 χ^2/NDF:4131453.9/56

Out: 182.562+/-0.021 χ^2/NDF:5208375.4/61

All: 179.645+/-0.015 χ^2/NDF: 9376742.1/118

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: 6.202+/-5.566 χ^2/NDF: 42.5/36

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

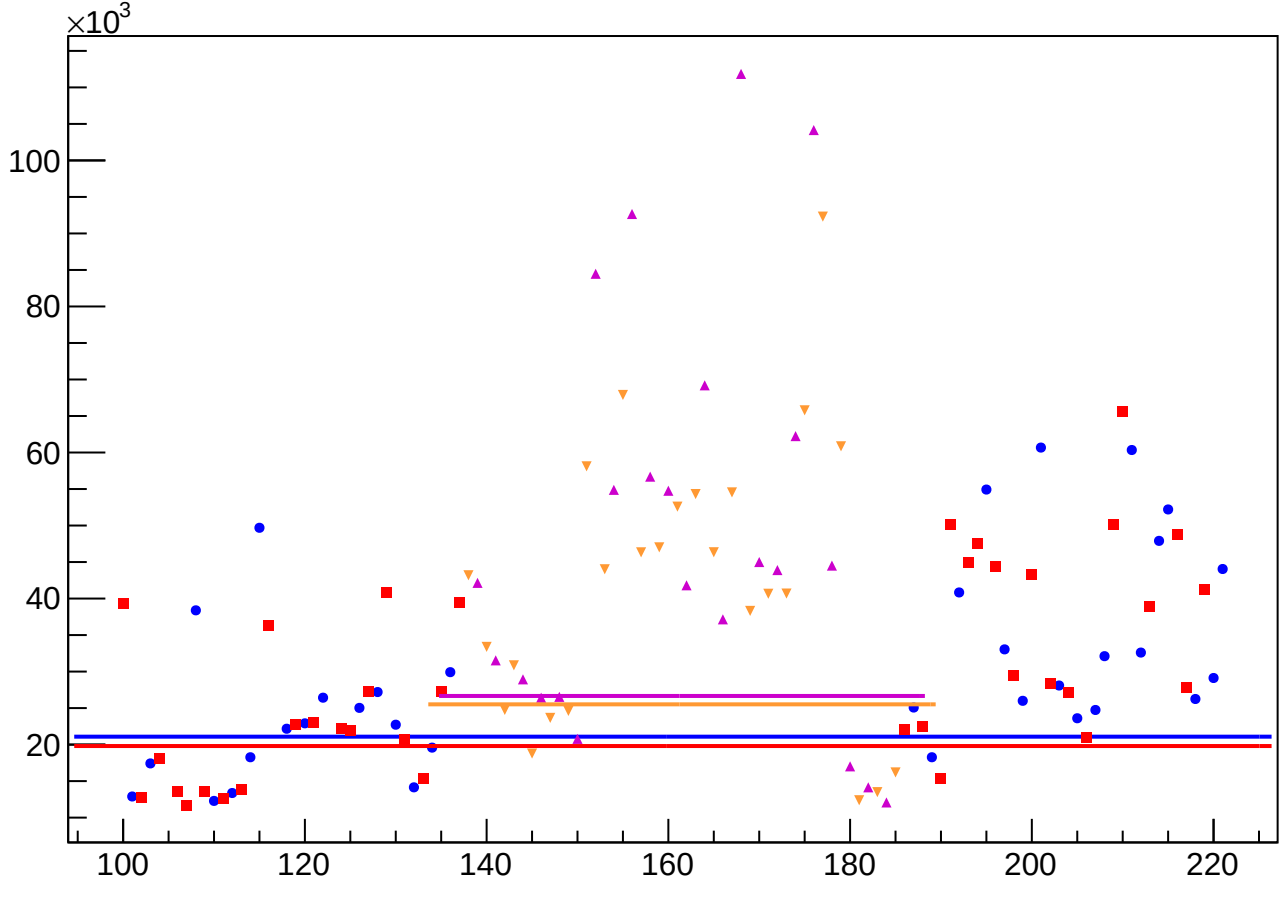
Right: 1.332+/-4.036 χ^2/NDF: 80.7/70

In: -1.934+/-4.884 χ^2/NDF:58.5/56

Out: 5.714+/-4.491 χ^2/NDF:66.8/61

All: 2.210+/-3.306 χ^2/NDF: 126.7/118

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: 19803.006+/-3.936 χ^2/NDF: 5039774.9/36

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

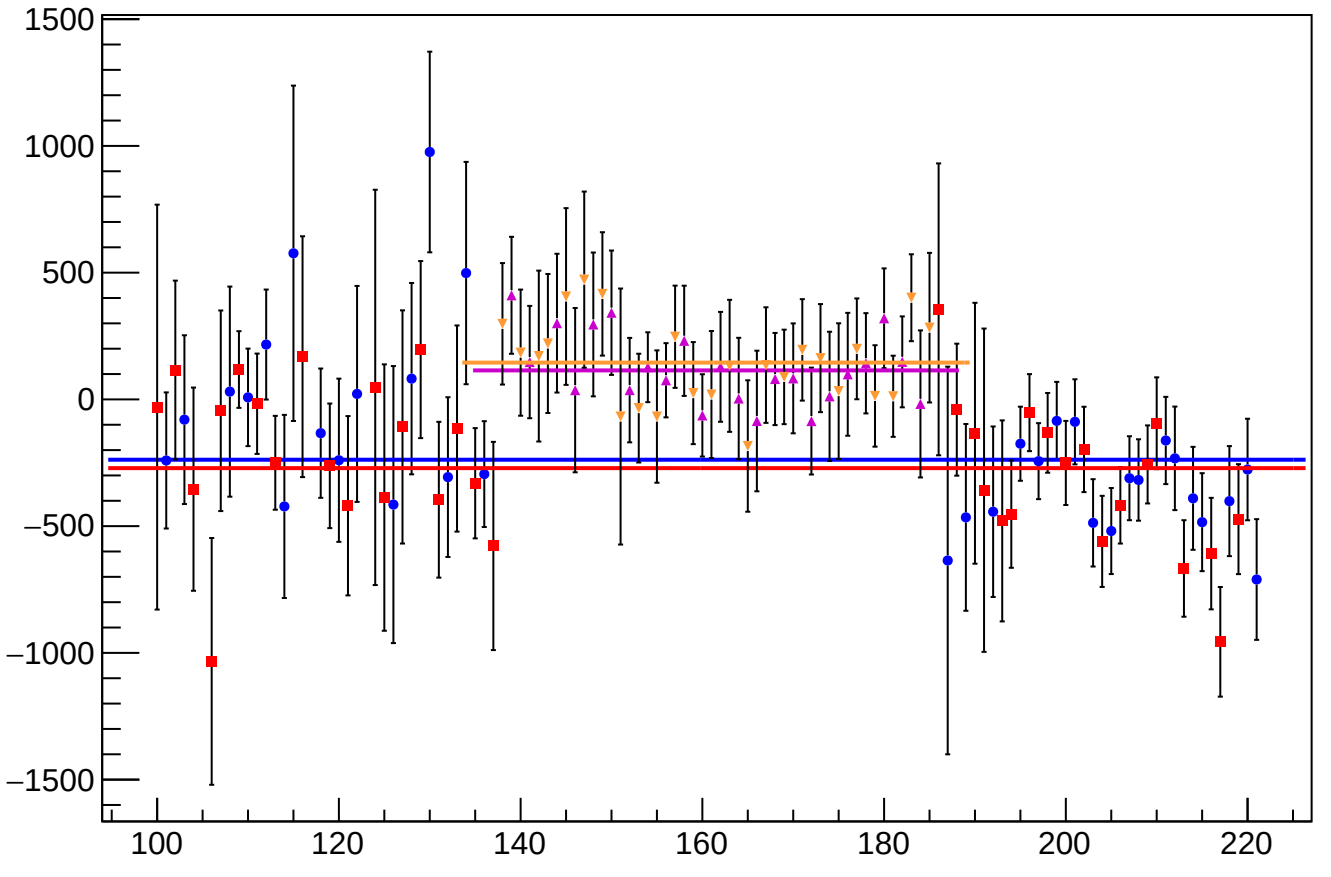
Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

Right: 20411.644+/-2.854 χ^2/NDF: 9609596.1/70

In: 22788.138+/-3.454 χ^2/NDF:10955090.0/56

Out: 21796.026+/-3.175 χ^2/NDF:13516942.1/61

All: 22250.496+/-2.338 χ^2/NDF: 24516746.4



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: -271.182+/-38.862 χ^2/NDF: 44.7/36

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

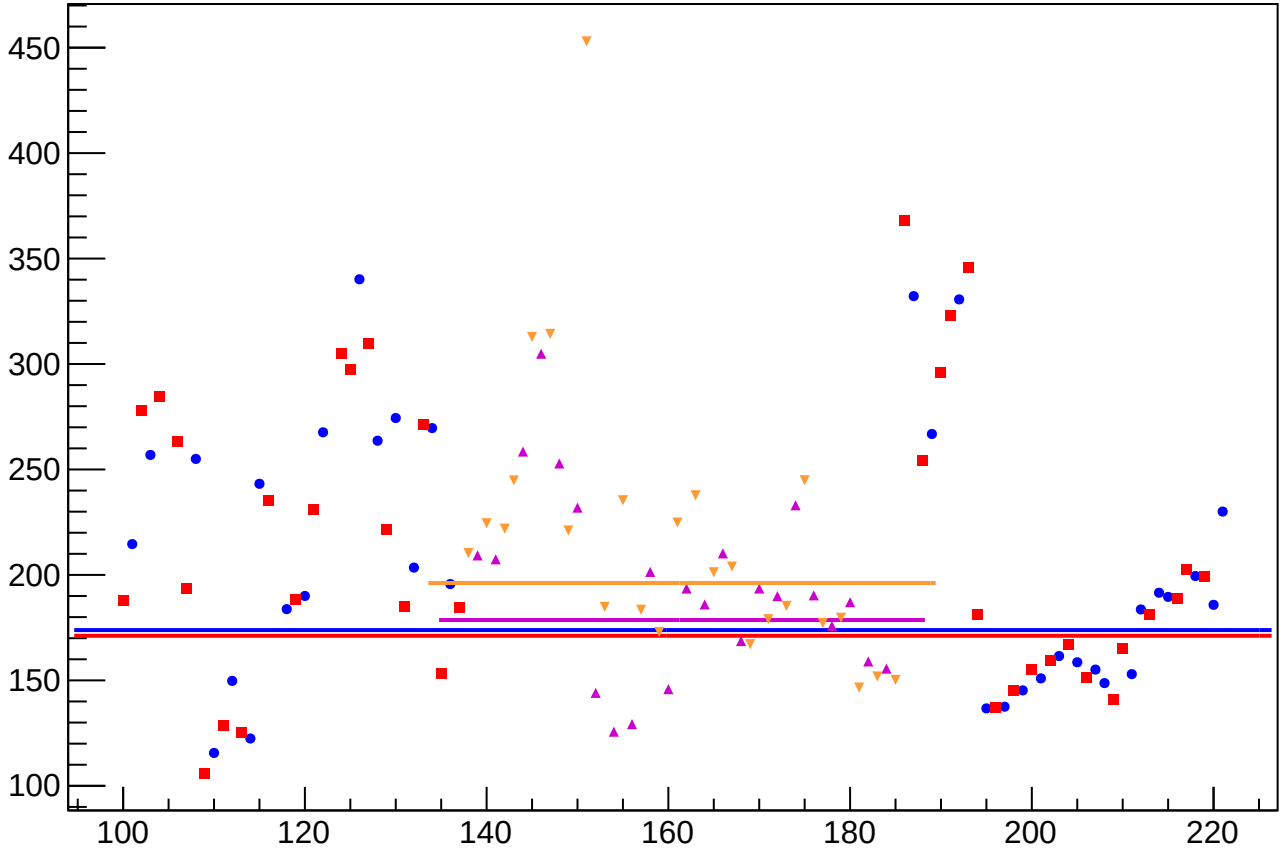
Right: -254.416+/-27.342 χ^2/NDF: 82.4/70

In: -83.789+/-28.854 χ^2/NDF:82.4/56

Out: -98.768+/-29.746 χ^2/NDF:103.4/61

All: -91.051+/-20.711 χ^2/NDF: 186.0/118

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: 171.159+/-0.027 χ^2/NDF: 3108757.8/36

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

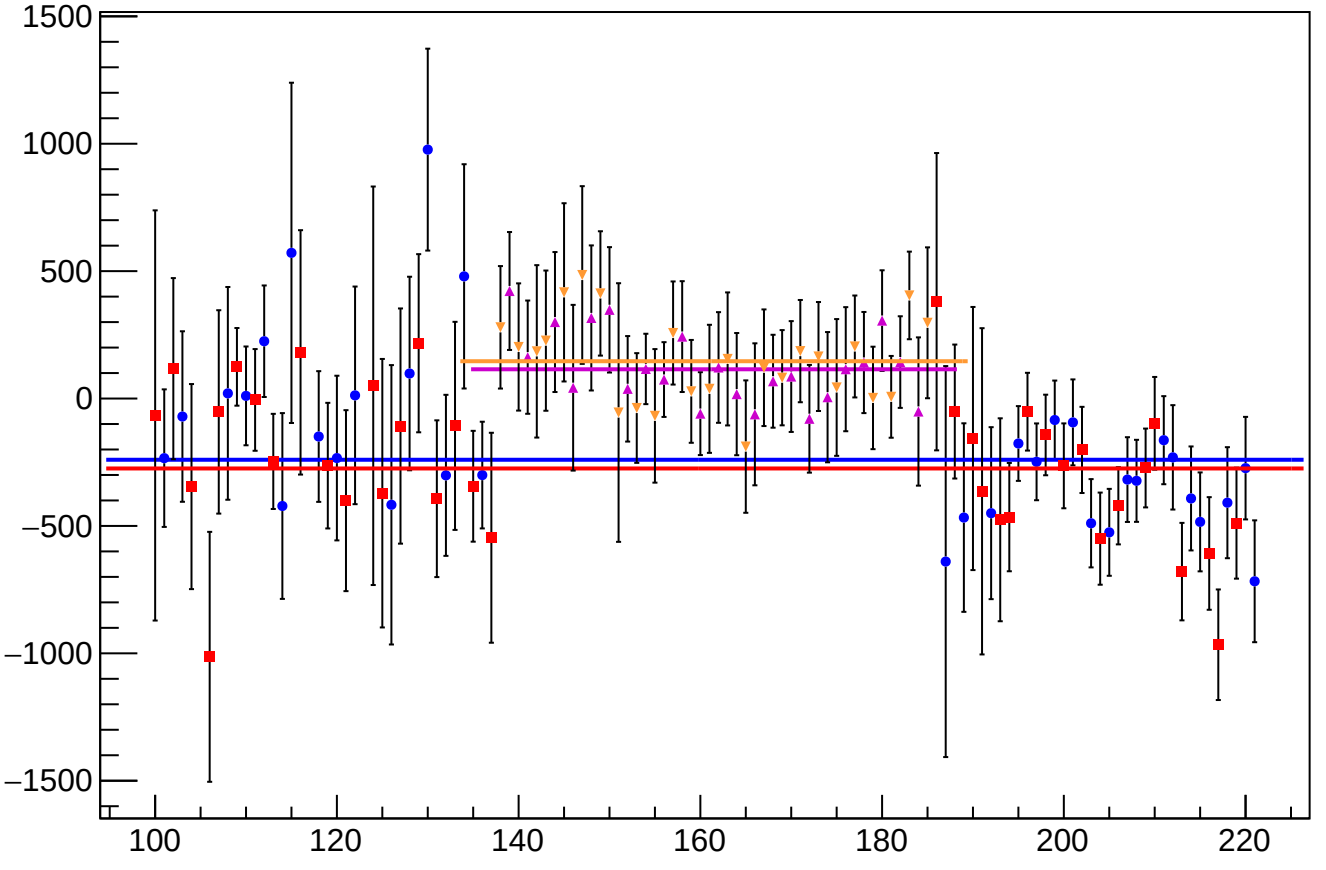
Right: 172.514+/-0.019 χ^2/NDF: 5609549.5/70

In: 175.933+/-0.020 χ^2/NDF:4161351.3/56

Out: 181.514+/-0.021 χ^2/NDF:5258552.4/61

All: 178.639+/-0.015 χ^2/NDF: 9456179.0/118

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: -274.494+/-39.054 χ^2/NDF: 45.0/36

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

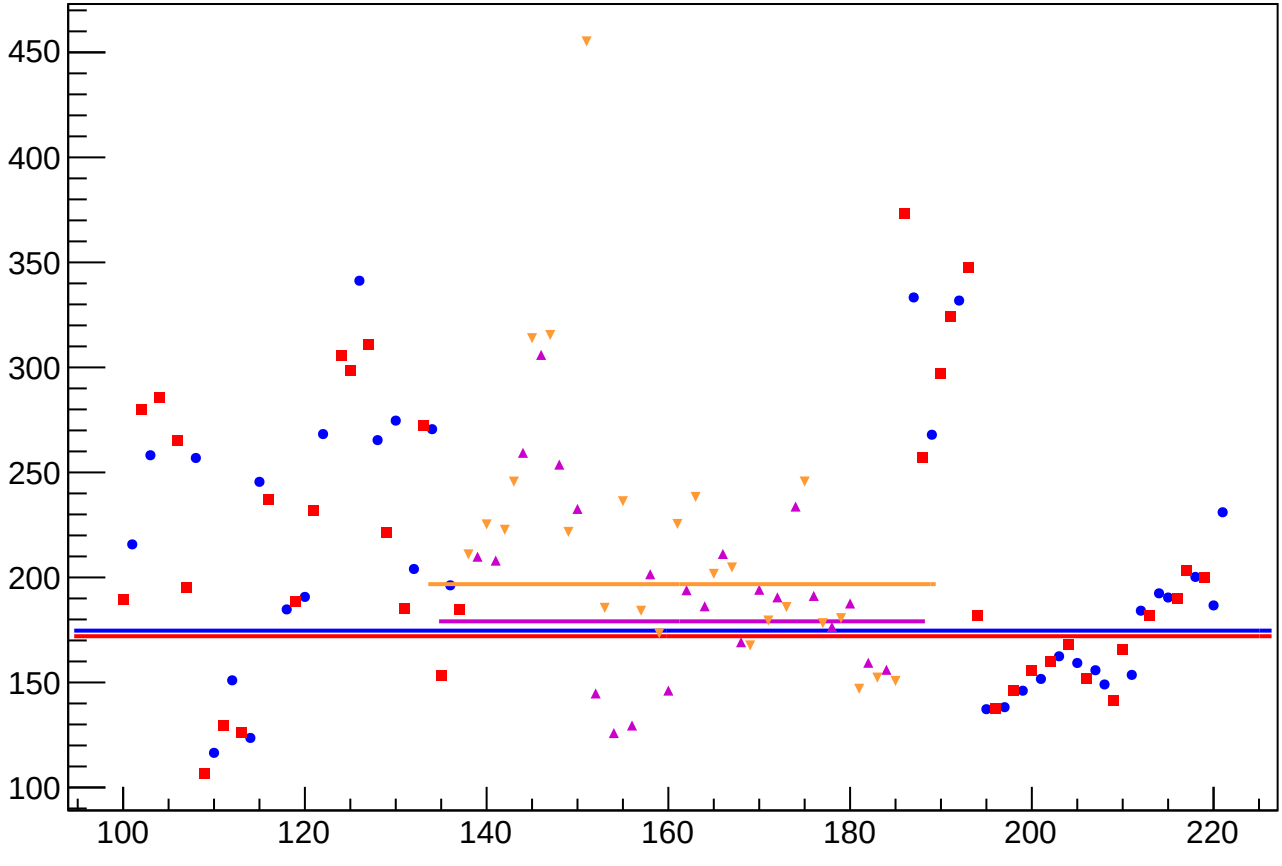
Right: -257.213+/-27.473 χ^2/NDF: 82.8/70

In: -84.573+/-28.965 χ^2/NDF:82.9/56

Out: -99.862+/-29.874 χ^2/NDF:104.6/61

All: -91.981+/-20.795 χ^2/NDF: 187.6/118

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: 172.012+/-0.028 χ^2/NDF: 3104834.2/36

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

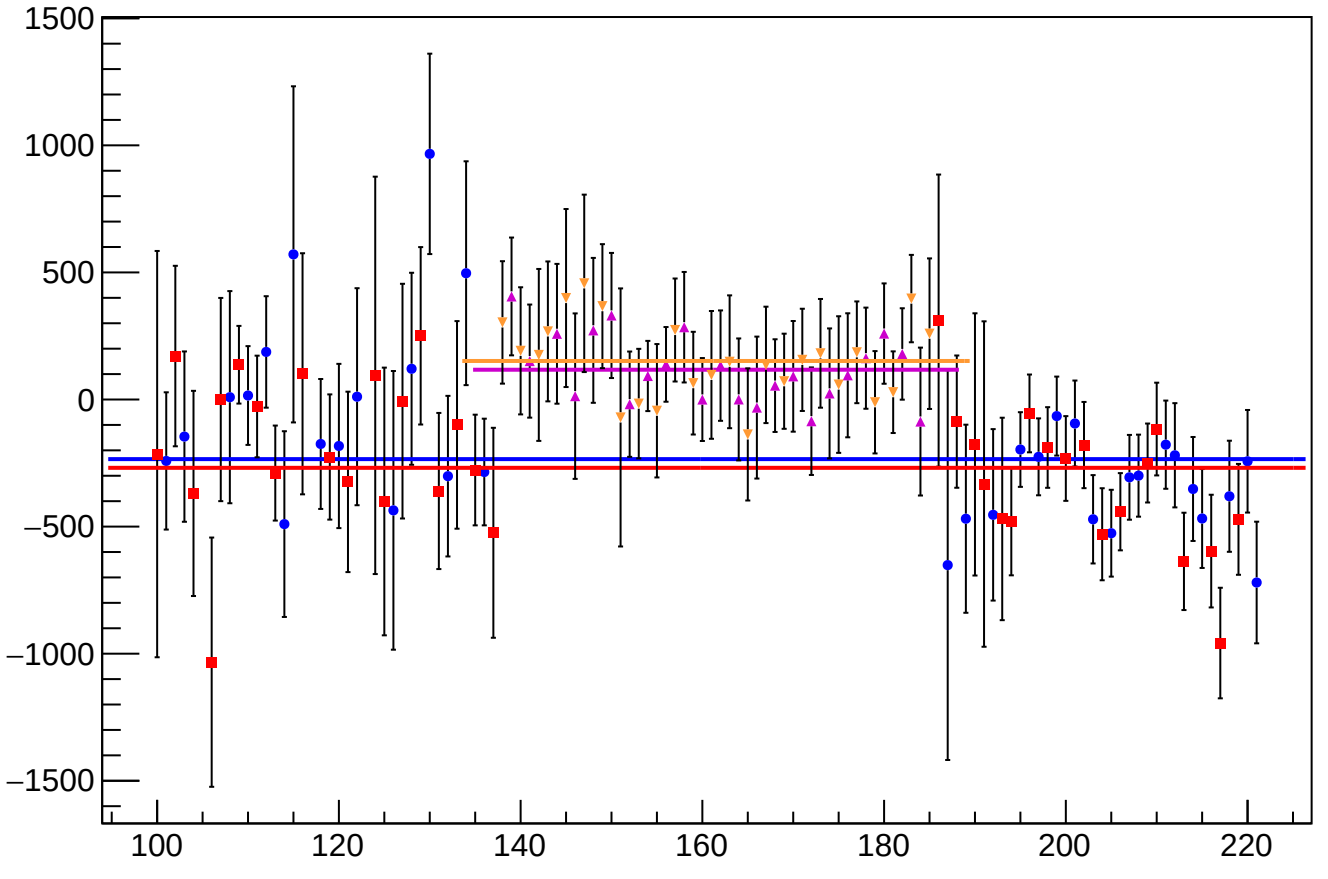
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 173.356+/-0.019 χ^2/NDF: 5596622.9/70

In: 176.615+/-0.020 χ^2/NDF:4154468.4/56

Out: 182.298+/-0.021 χ^2/NDF:5247877.1/61

All: 179.369+/-0.015 χ^2/NDF: 9439659.4/118



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: -268.770+/-39.109 χ^2/NDF: 43.3/36

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

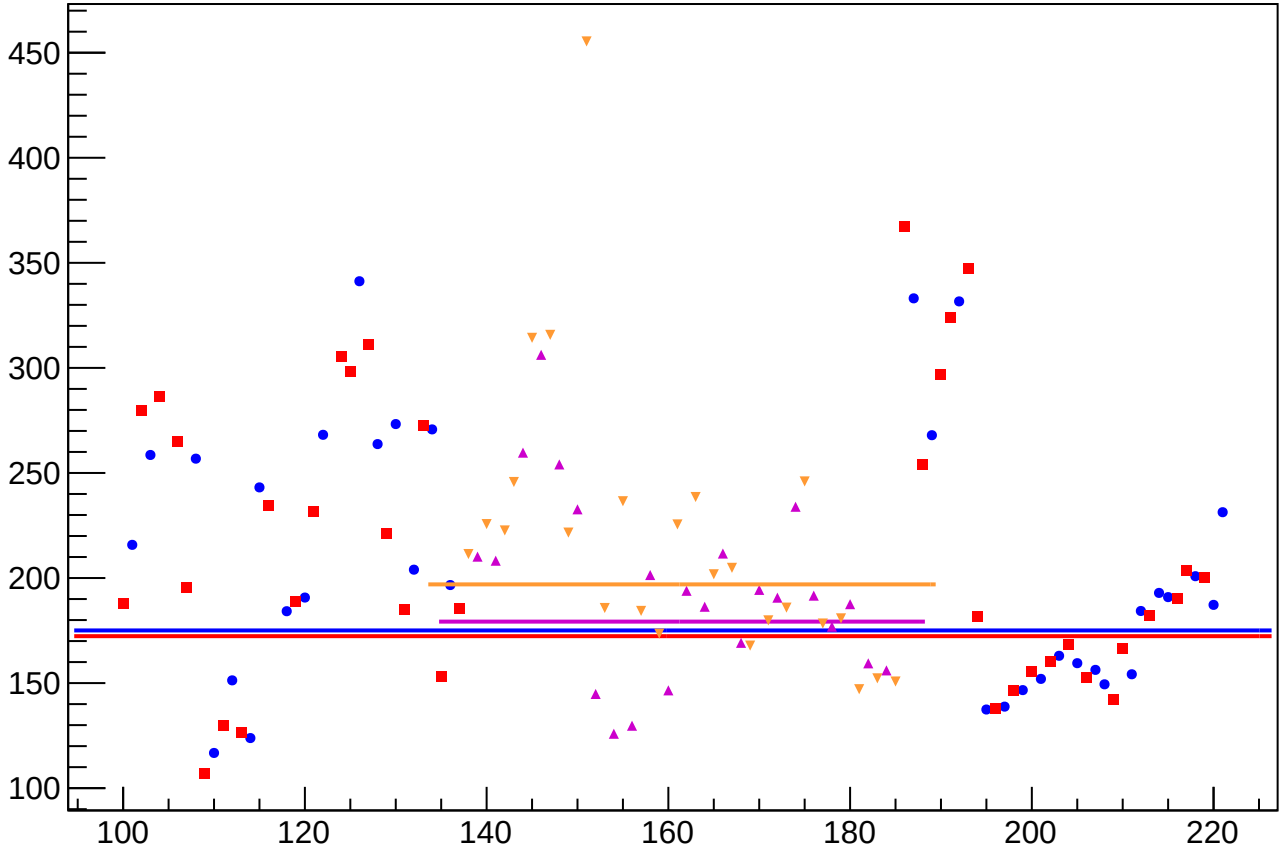
Right: -251.477+/-27.519 χ^2/NDF: 79.6/70

In: -80.121+/-29.007 χ^2/NDF:79.6/56

Out: -94.253+/-29.909 χ^2/NDF:100.9/61

All: -86.971+/-20.823 χ^2/NDF: 180.6/118

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: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

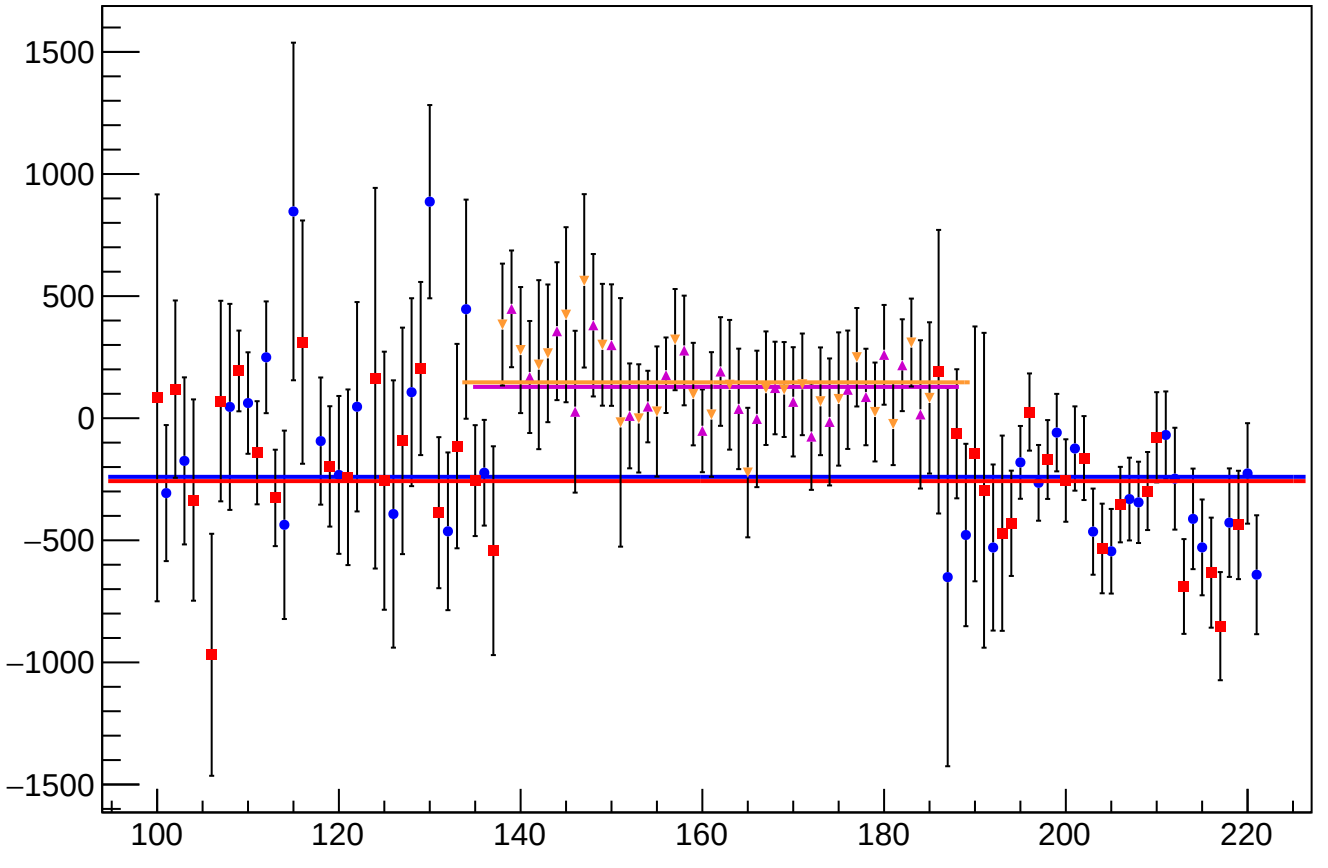
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 173.708+/-0.019 χ^2/NDF: 5539405.4/70

In: 176.902+/-0.021 χ^2/NDF:4131453.9/56

Out: 182.562+/-0.021 χ^2/NDF:5208375.4/61

All: 179.645+/-0.015 χ^2/NDF: 9376742.1/118



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: -257.611+/-40.095 χ^2/NDF: 41.2/36

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

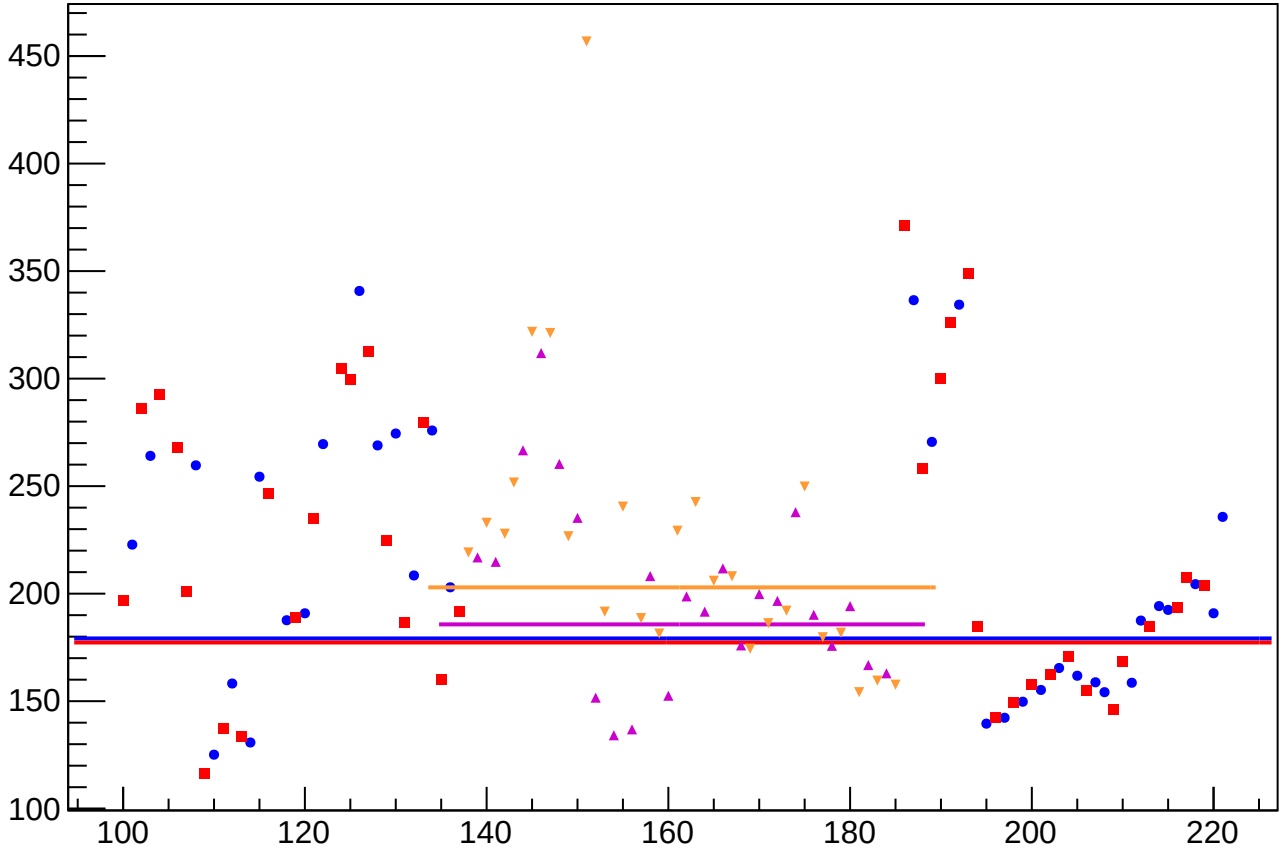
Right: -248.723+/-28.165 χ^2/NDF: 79.8/70

In: -80.297+/-29.773 χ^2/NDF:84.7/56

Out: -90.138+/-30.695 χ^2/NDF:93.5/61

All: -85.068+/-21.371 χ^2/NDF: 178.2/118

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: 177.290+/-0.028 χ^2/NDF: 2848542.5/36

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

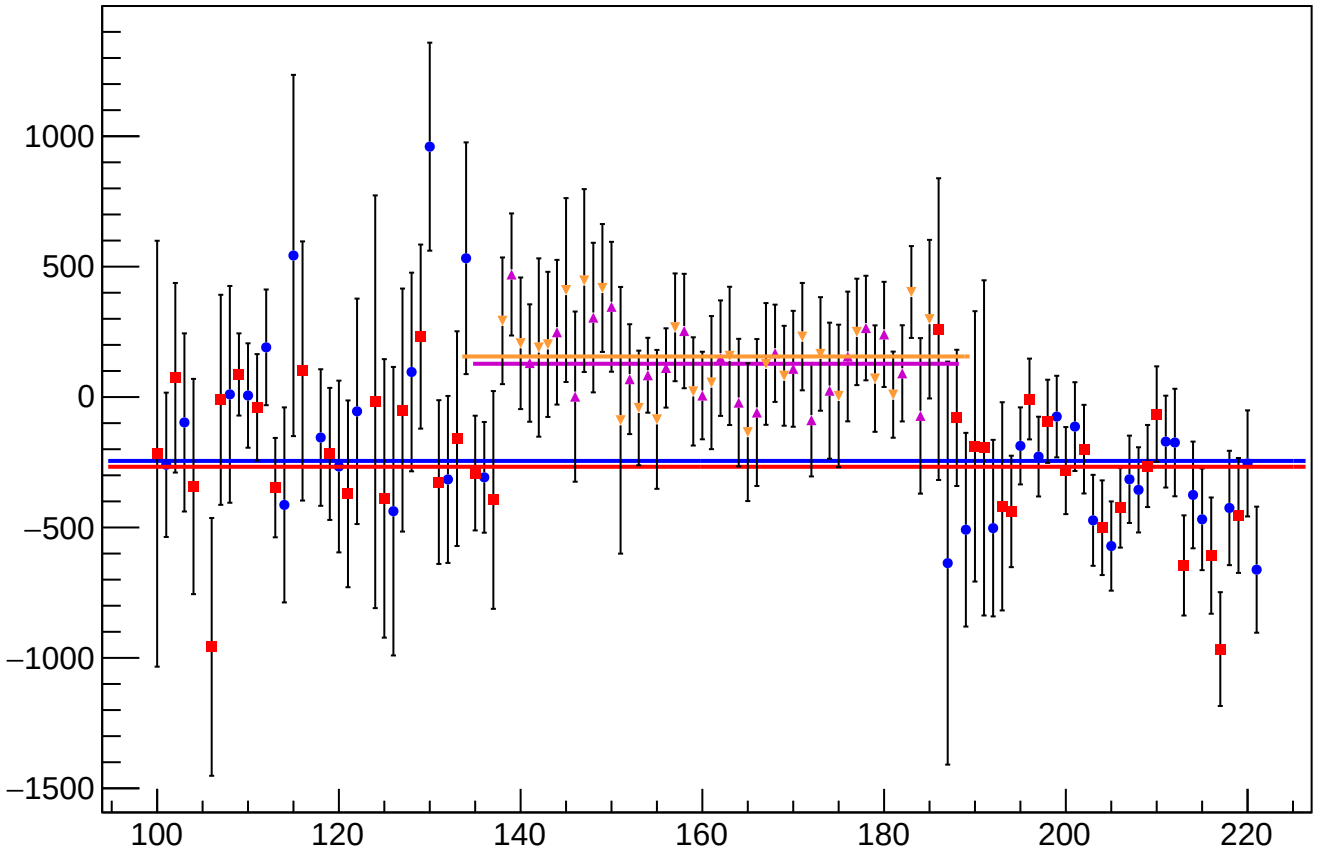
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 178.243+/-0.020 χ^2/NDF: 5205877.8/70

In: 182.011+/-0.021 χ^2/NDF:3868332.0/56

Out: 187.899+/-0.022 χ^2/NDF:4886938.7/61

All: 184.865+/-0.015 χ^2/NDF: 8793196.7/118



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: -267.317+/-39.506 χ^2/NDF: 40.5/36

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

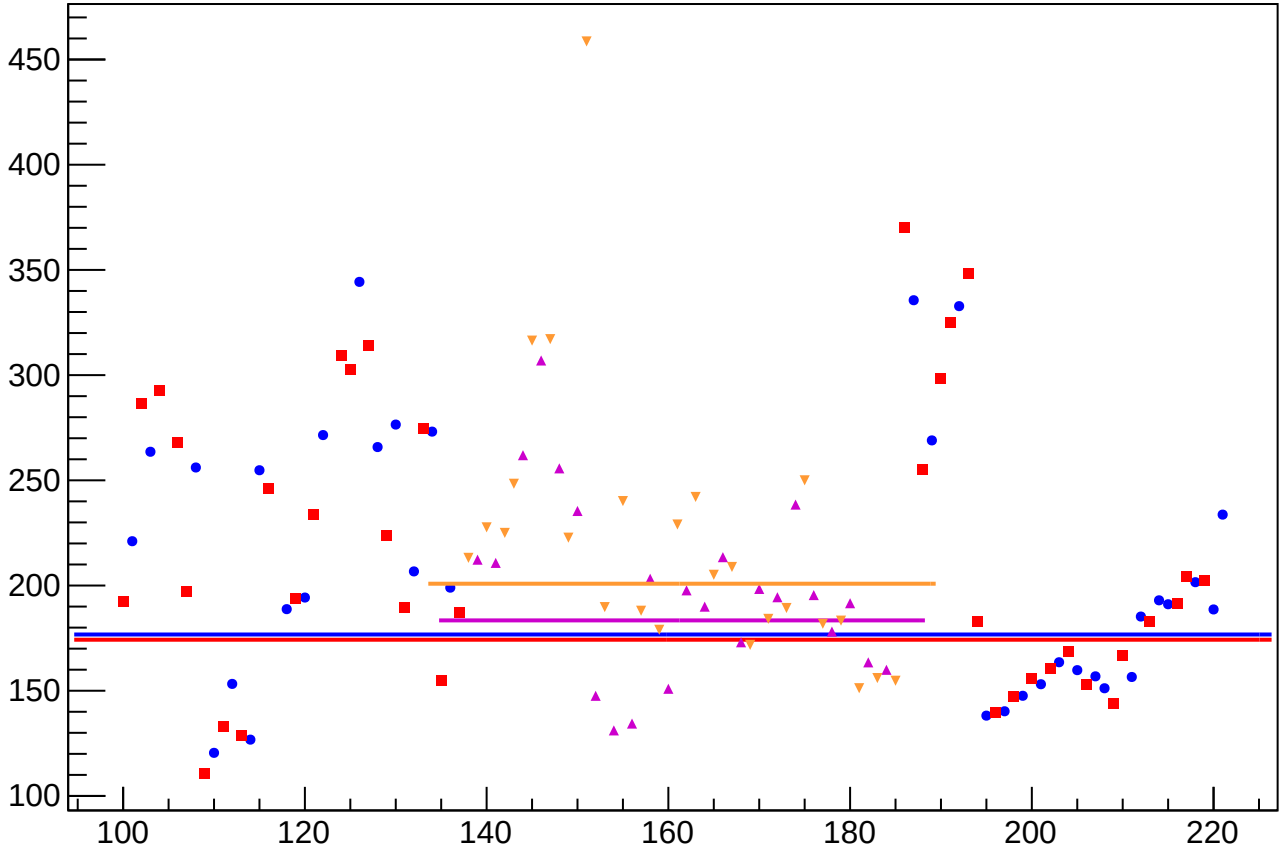
Right: -255.958+/-27.784 χ^2/NDF: 76.6/70

In: -83.441+/-29.422 χ^2/NDF:83.3/56

Out: -93.350+/-30.311 χ^2/NDF:98.3/61

All: -88.248+/-21.112 χ^2/NDF: 181.7/118

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: 174.244+/-0.028 χ^2/NDF: 3024807.6/36

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

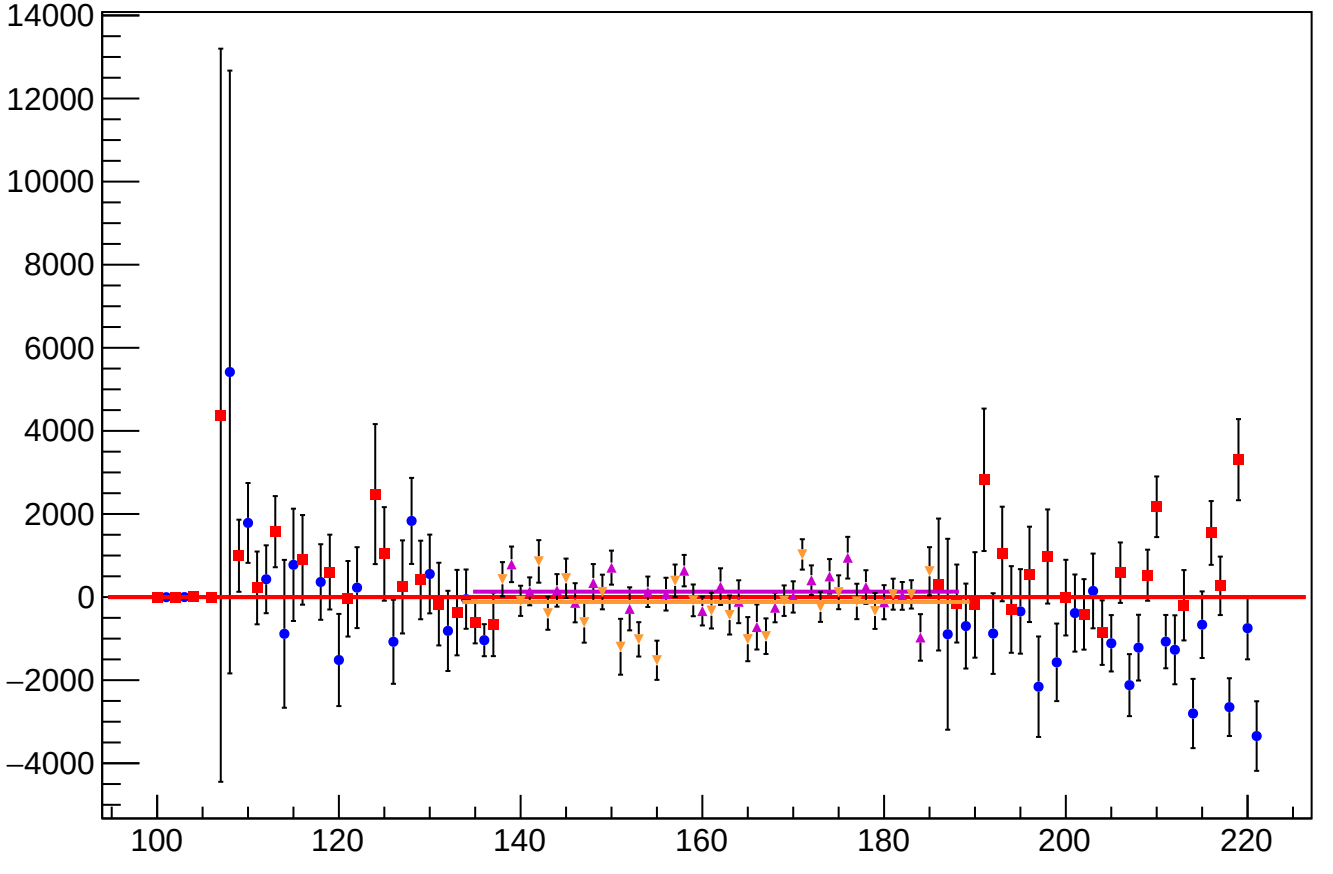
Right: 175.499+/-0.020 χ^2/NDF: 5478688.3/70

In: 179.633+/-0.021 χ^2/NDF:4006074.8/56

Out: 185.193+/-0.021 χ^2/NDF:5125717.5/61

All: 182.331+/-0.015 χ^2/NDF: 9166443.8/118

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: 1.432+/-2.022 χ^2/NDF: 48.9/36

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

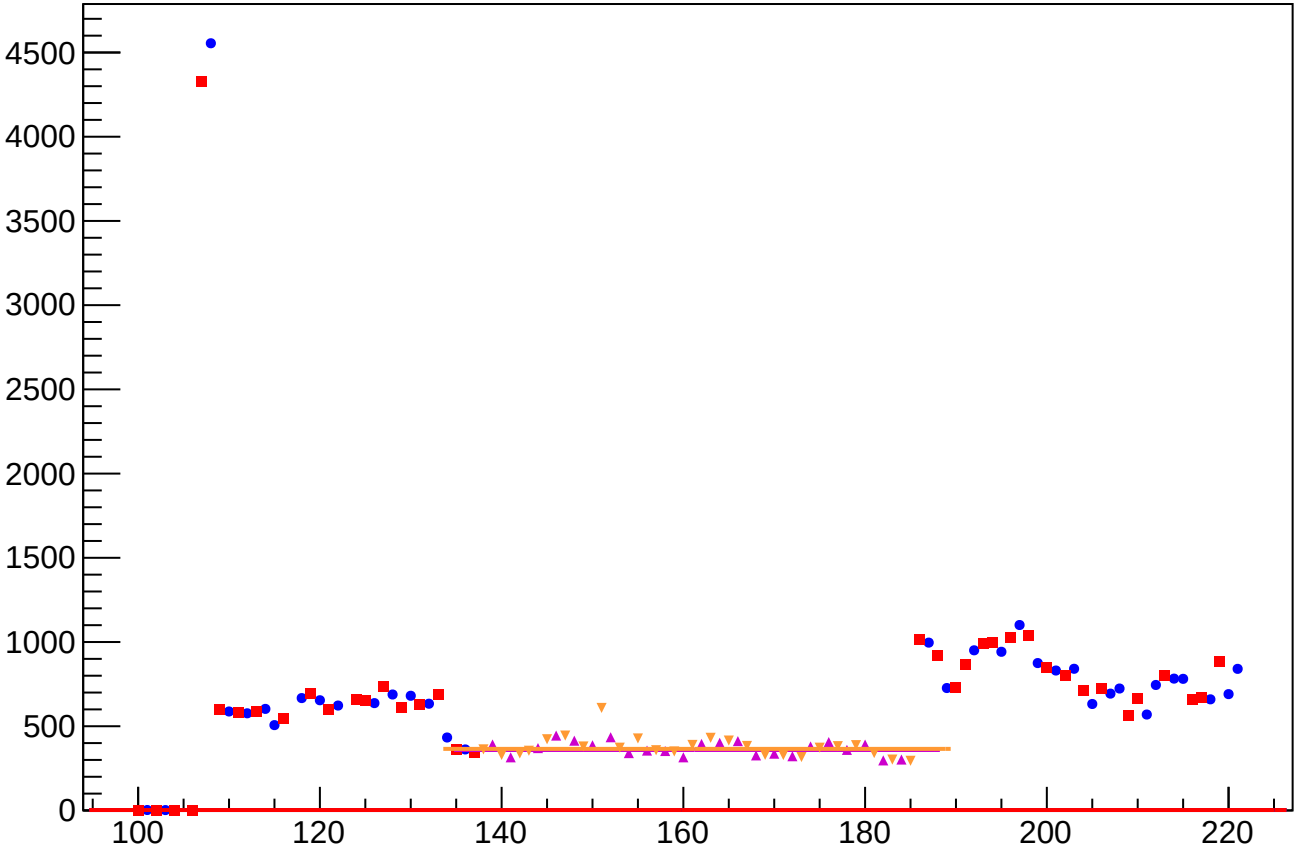
Right: 0.115+/-1.480 χ^2/NDF: 139.1/70

In: -1.318+/-2.170 χ^2/NDF:113.3/56

Out: 1.363+/-2.022 χ^2/NDF:97.3/61

All: 0.118+/-1.479 χ^2/NDF: 211.4/118

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: 2.533+/-0.001 χ^2/NDF: 39138135.8/36

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

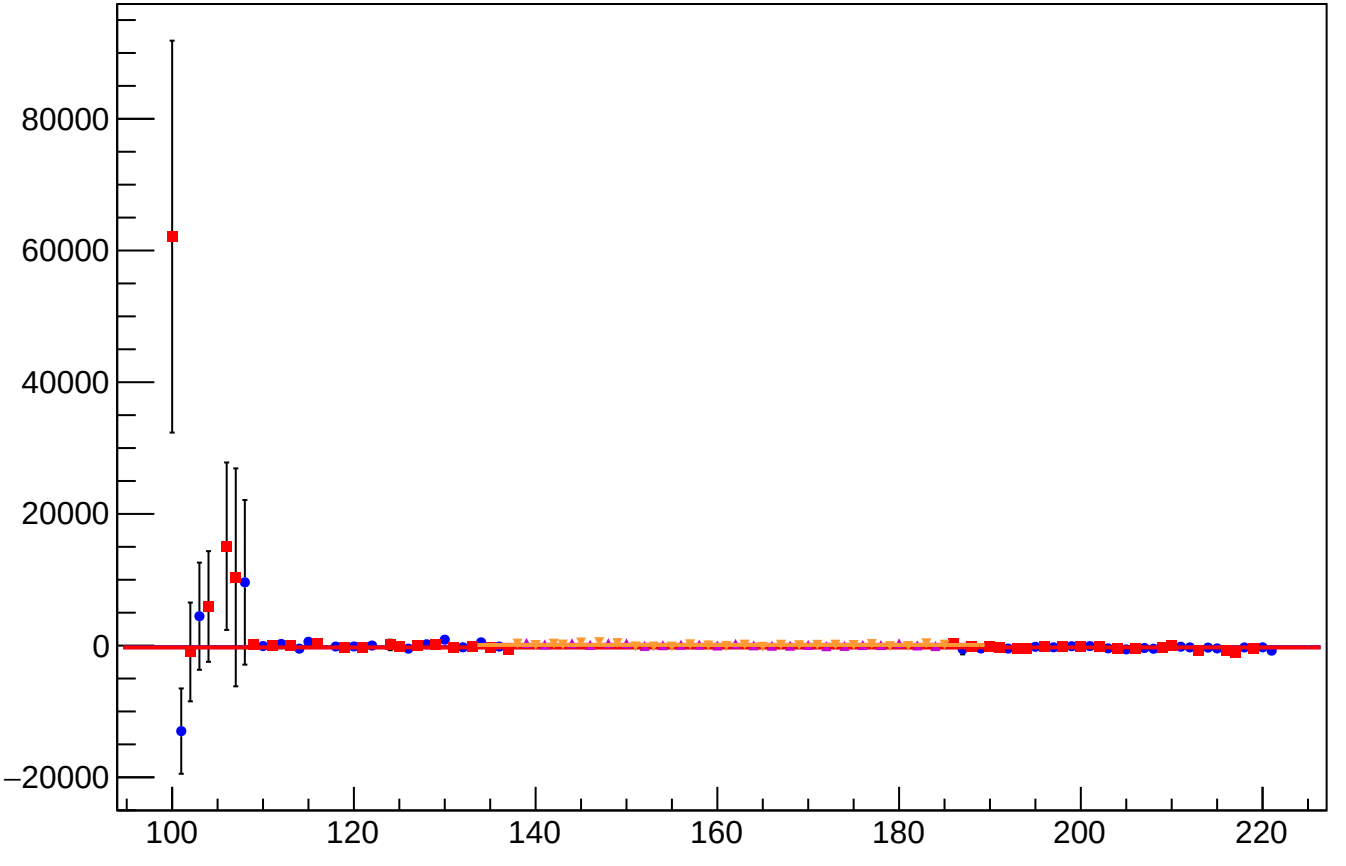
Right: 2.548+/-0.001 χ^2/NDF: 79856621.5/70

In: 2.798+/-0.002 χ^2/NDF:76252970.0/56

Out: 2.742+/-0.001 χ^2/NDF:76964784.7/61

All: 2.768+/-0.001 χ^2/NDF: 153218445.9/118

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: -273.649+/-43.274 χ^2/NDF: 49.2/36

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

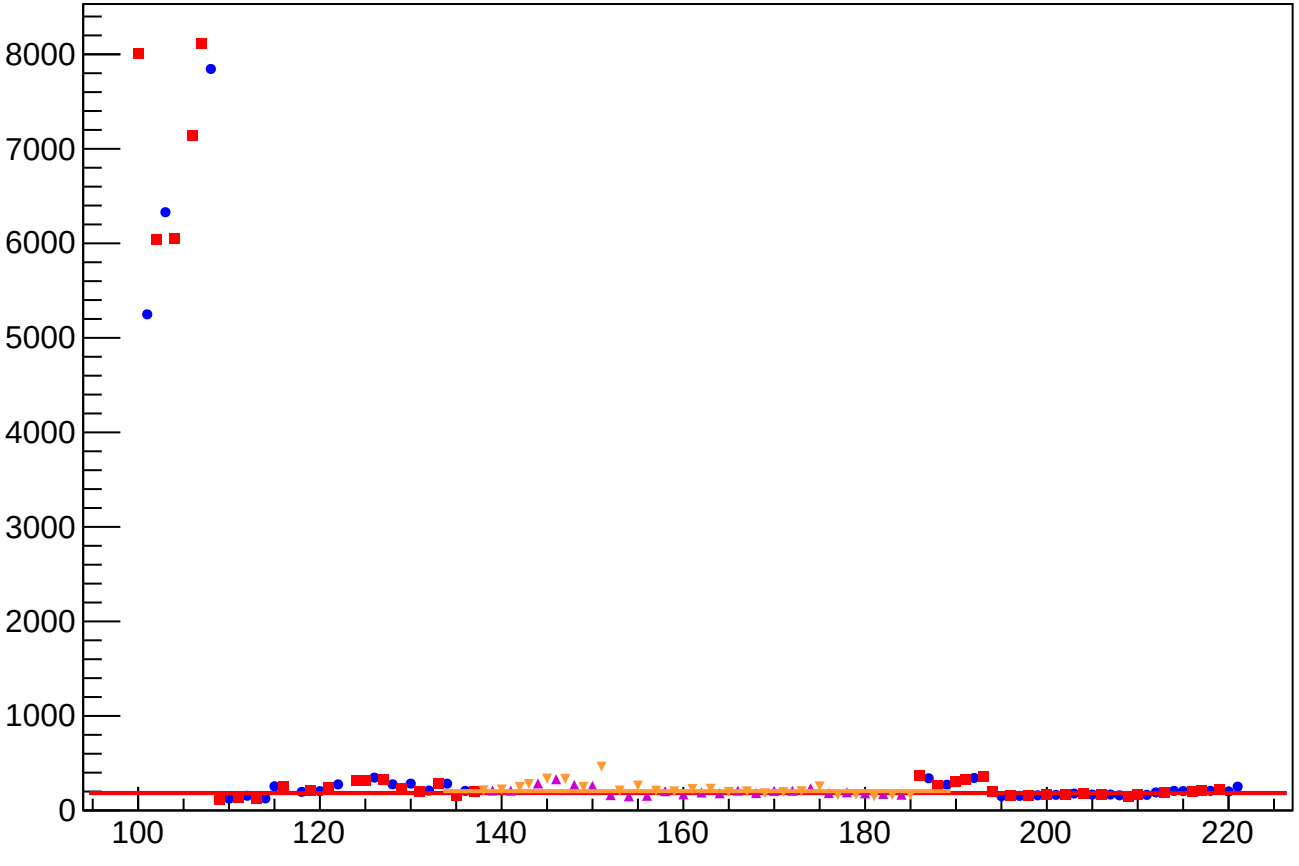
Right: -257.697+/-30.258 χ^2/NDF: 88.2/70

In: -80.266+/-31.439 χ^2/NDF:80.7/56

Out: -107.256+/-32.215 χ^2/NDF:95.1/61

All: -93.432+/-22.500 χ^2/NDF: 176.2/118

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: 183.506+/-0.031 χ^2/NDF: 5707838.6/36

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

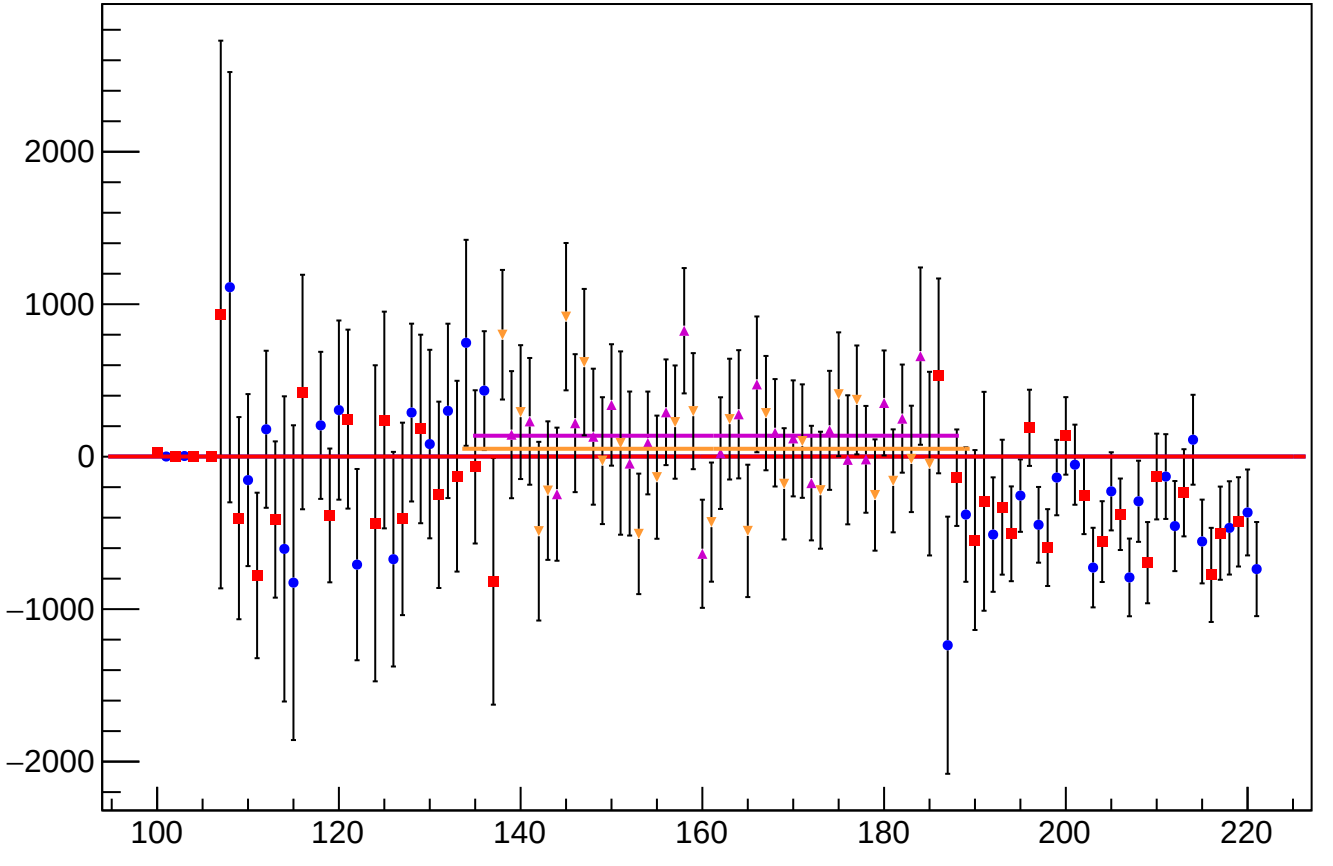
Right: 184.417+/-0.021 χ^2/NDF: 10834600.4/70

In: 189.147+/-0.022 χ^2/NDF:6353685.5/56

Out: 192.901+/-0.023 χ^2/NDF:7894421.6/61

All: 190.978+/-0.016 χ^2/NDF: 14262020.9/11

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: 0.942+/-1.527 χ^2/NDF: 47.7/36

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

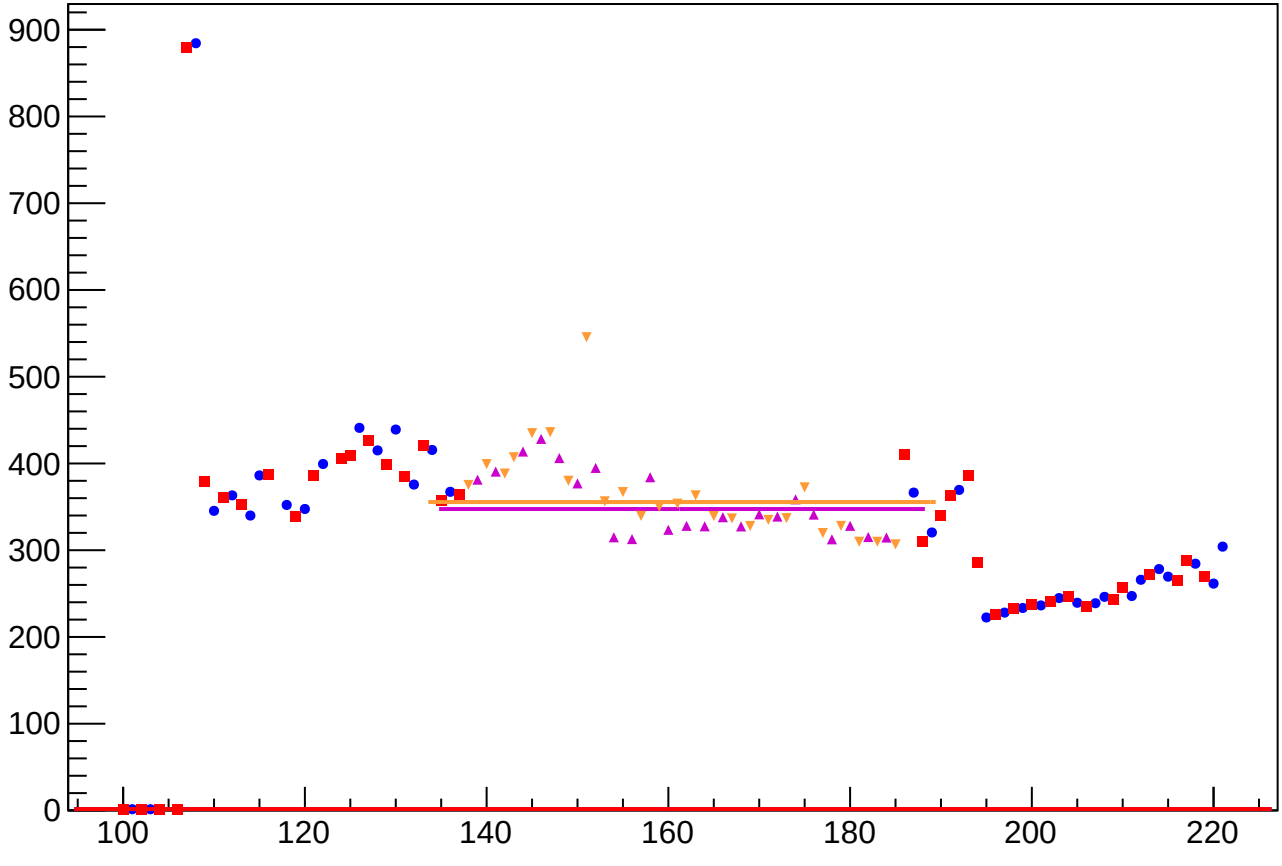
Right: 1.072+/-1.124 χ^2/NDF: 101.3/70

In: 1.282+/-1.659 χ^2/NDF:68.5/56

Out: 0.959+/-1.527 χ^2/NDF:67.5/61

All: 1.107+/-1.124 χ^2/NDF: 136.1/118

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: 1.588+/-0.001 χ^2/NDF: 38825855.5/36

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

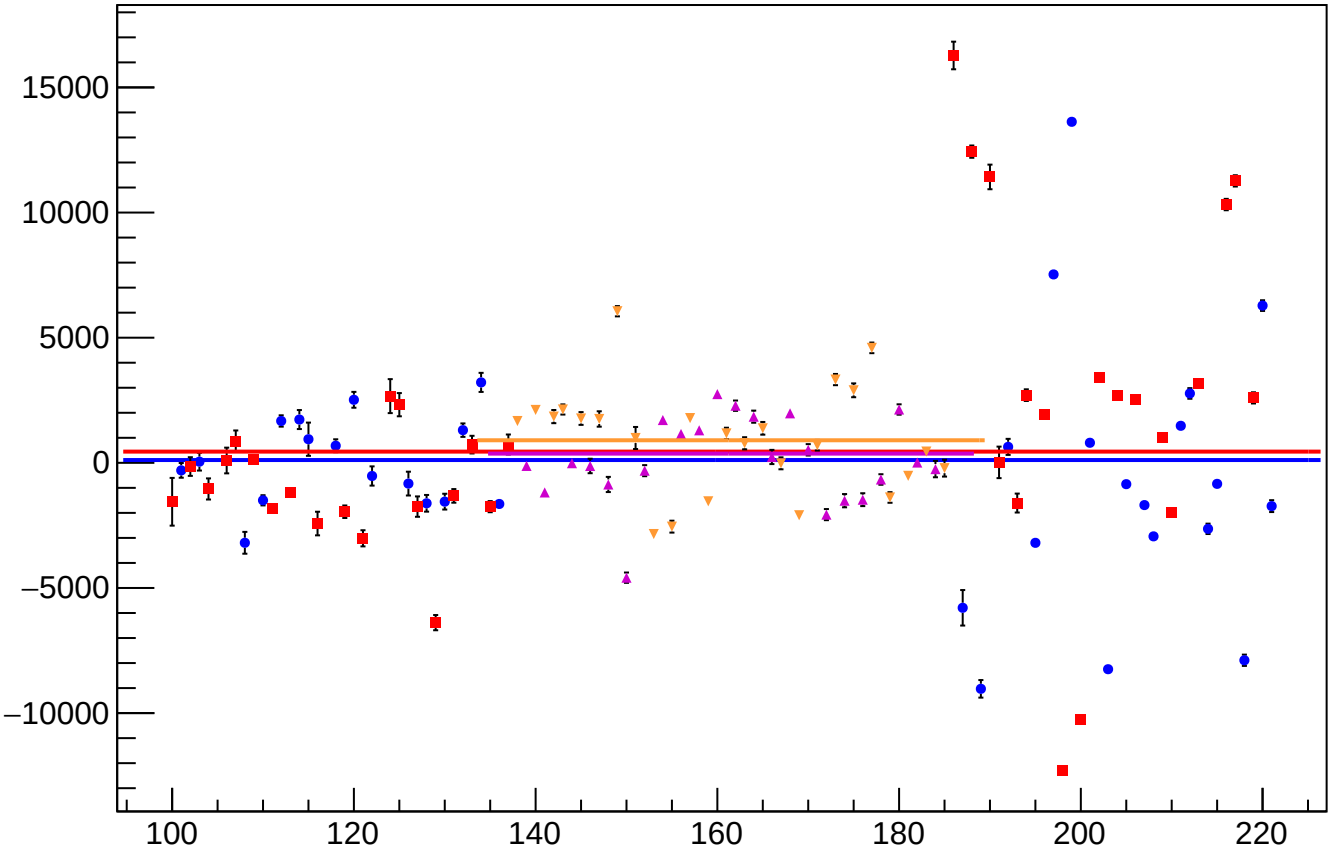
Right: 1.605+/-0.001 χ^2/NDF: 79702642.6/70

In: 1.766+/-0.001 χ^2/NDF:76689726.4/56

Out: 1.712+/-0.001 χ^2/NDF:77012377.8/61

All: 1.737+/-0.001 χ^2/NDF: 153703254.3/118

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: 448.543+/-40.945 χ^2/NDF: 18860.0/36

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

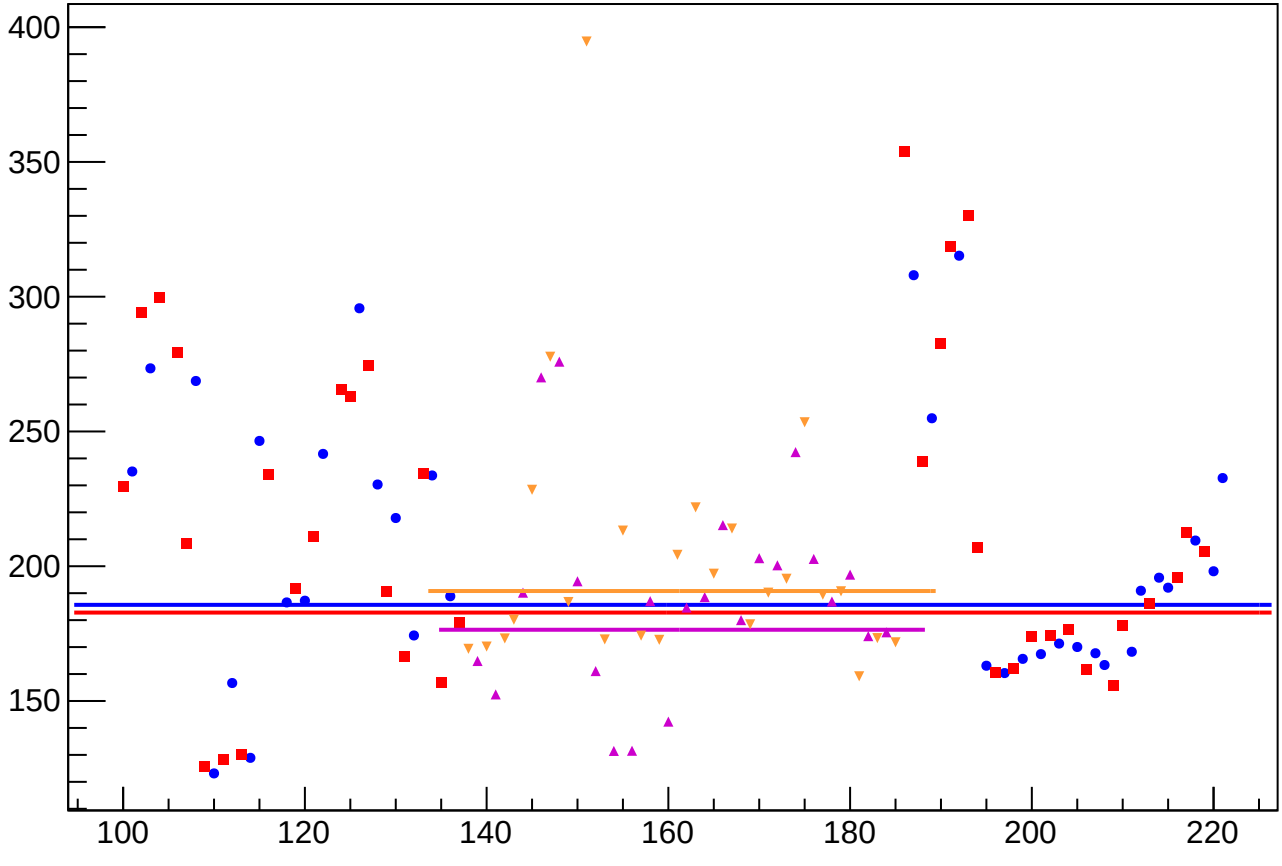
Right: 278.512+/-28.822 χ^2/NDF: 33293.4/70

In: 233.343+/-29.415 χ^2/NDF:16011.2/56

Out: 656.291+/-30.125 χ^2/NDF:21327.1/61

All: 439.775+/-21.046 χ^2/NDF: 37439.2/118

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: 182.804+/-0.029 χ^2/NDF: 2254976.8/36

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

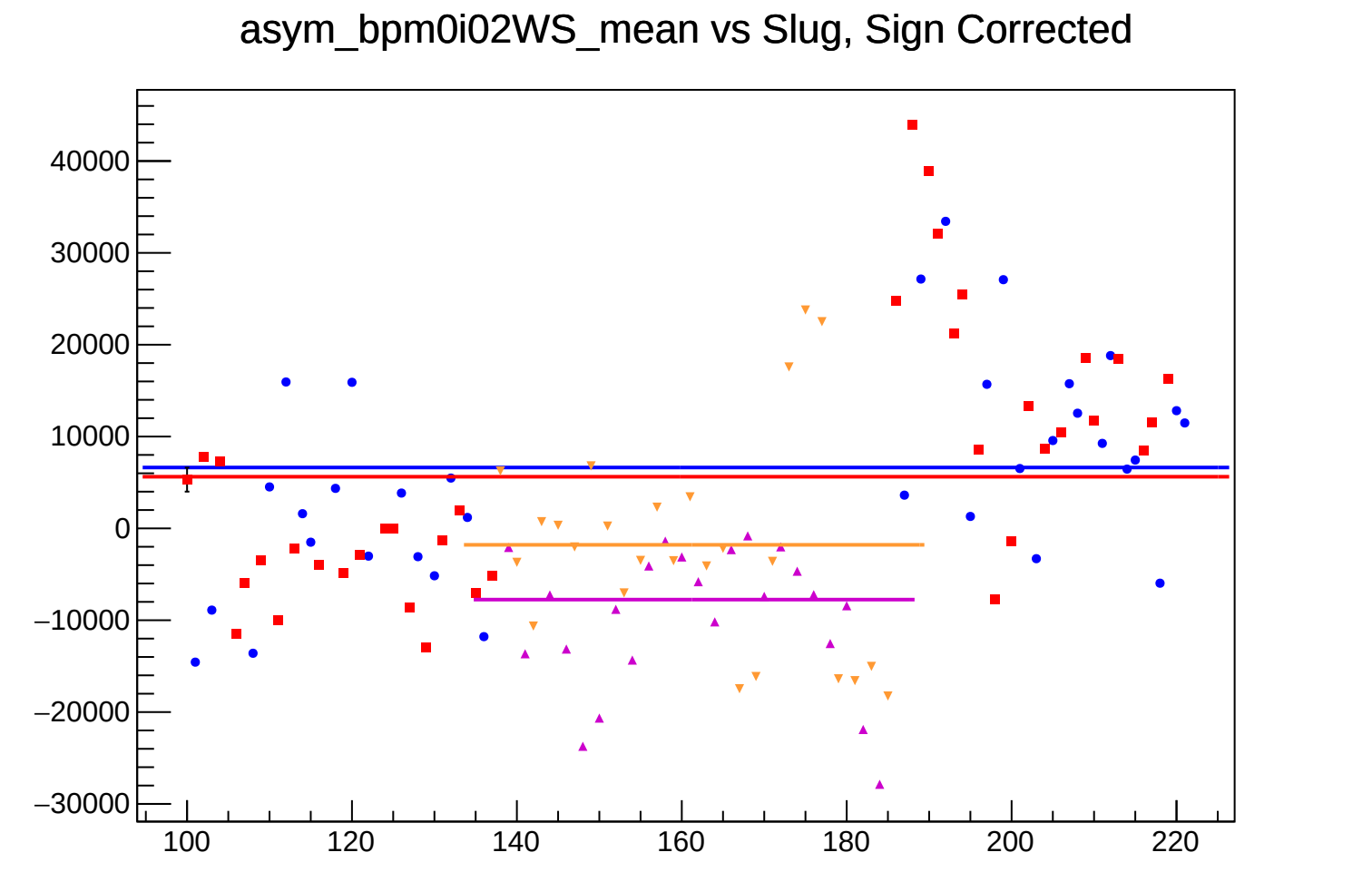
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 184.250+/-0.020 χ^2/NDF: 3833278.4/70

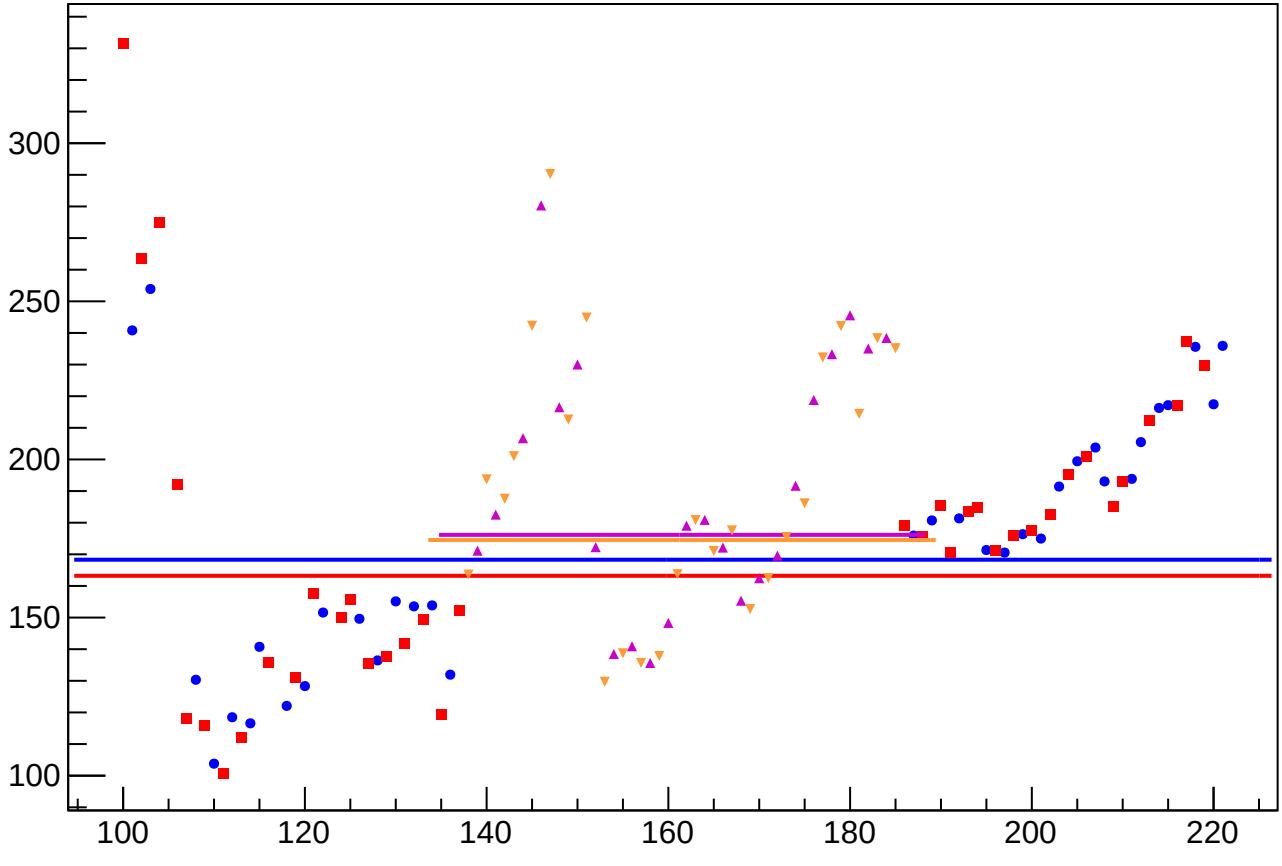
In: 181.286+/-0.021 χ^2/NDF:2880212.0/56

Out: 186.472+/-0.021 χ^2/NDF:3309570.8/61

All: 183.817+/-0.015 χ^2/NDF: 6220128.9/118


asym_bpm0i02WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 6630.436+/-37.092 χ²/NDF: 100296.4/33
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: 5625.025+/-36.486 χ²/NDF: 149627.3/36
Left In: -7754.468+/-42.571 χ²/NDF:23278.0/22
Left: -4653.749+/-29.498 χ²/NDF: 99228.2/47
Right: 6119.449+/-26.011 χ²/NDF: 250297.0/70
In: 422.744+/-27.966 χ²/NDF:188479.9/56
Out: 2339.882+/-27.230 χ²/NDF:233672.6/61
All: 1406.876+/-19.509 χ²/NDF: 424565.0/11

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: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

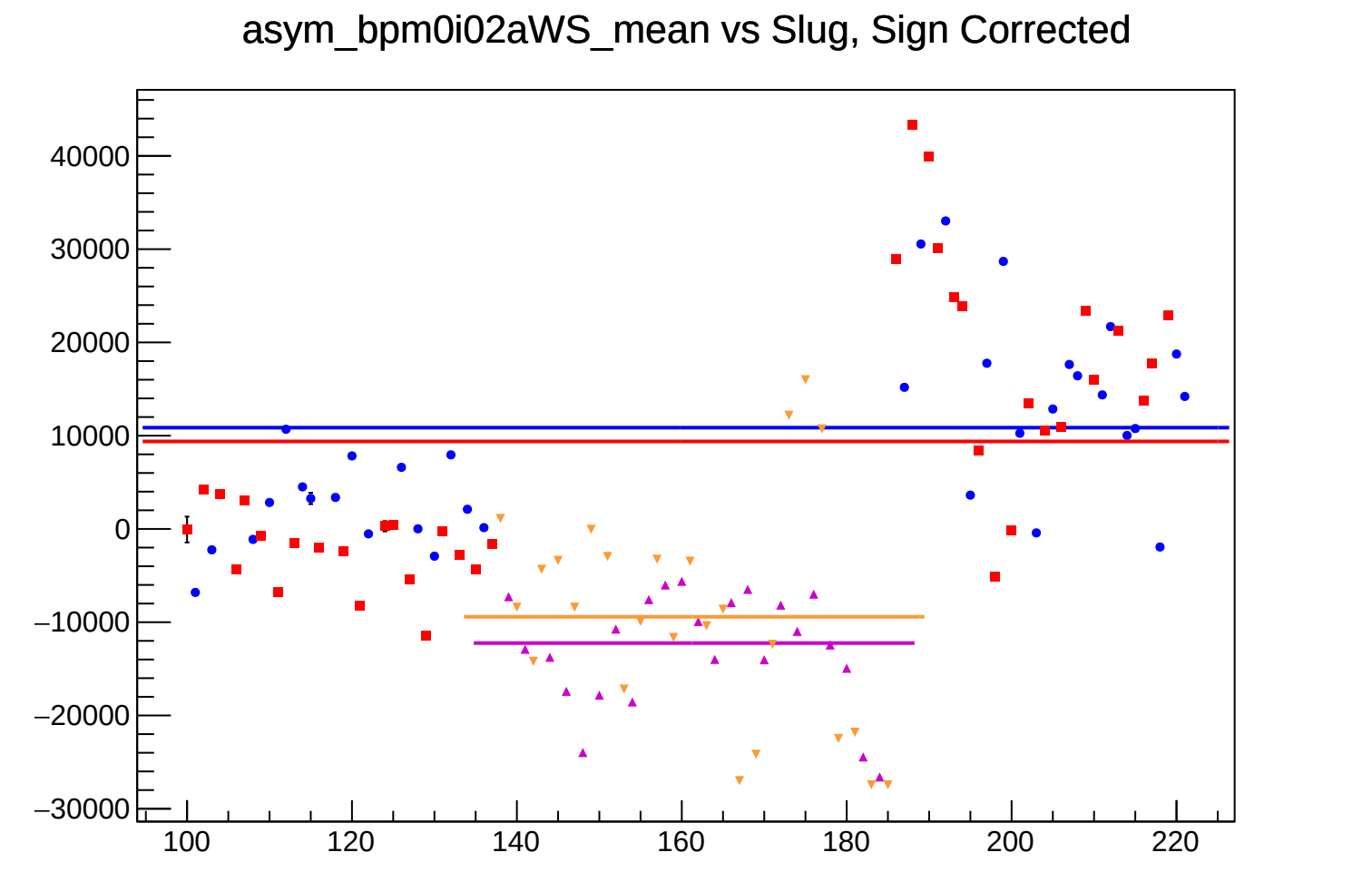
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 165.709+/-0.018 χ^2/NDF: 4367396.7/70

In: 171.688+/-0.020 χ^2/NDF:3492093.3/56

Out: 168.219+/-0.019 χ^2/NDF:4006629.7/61

All: 169.907+/-0.014 χ^2/NDF: 7514519.6/118



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: 9384.487+/-39.797 χ^2/NDF: 122918.9/36

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

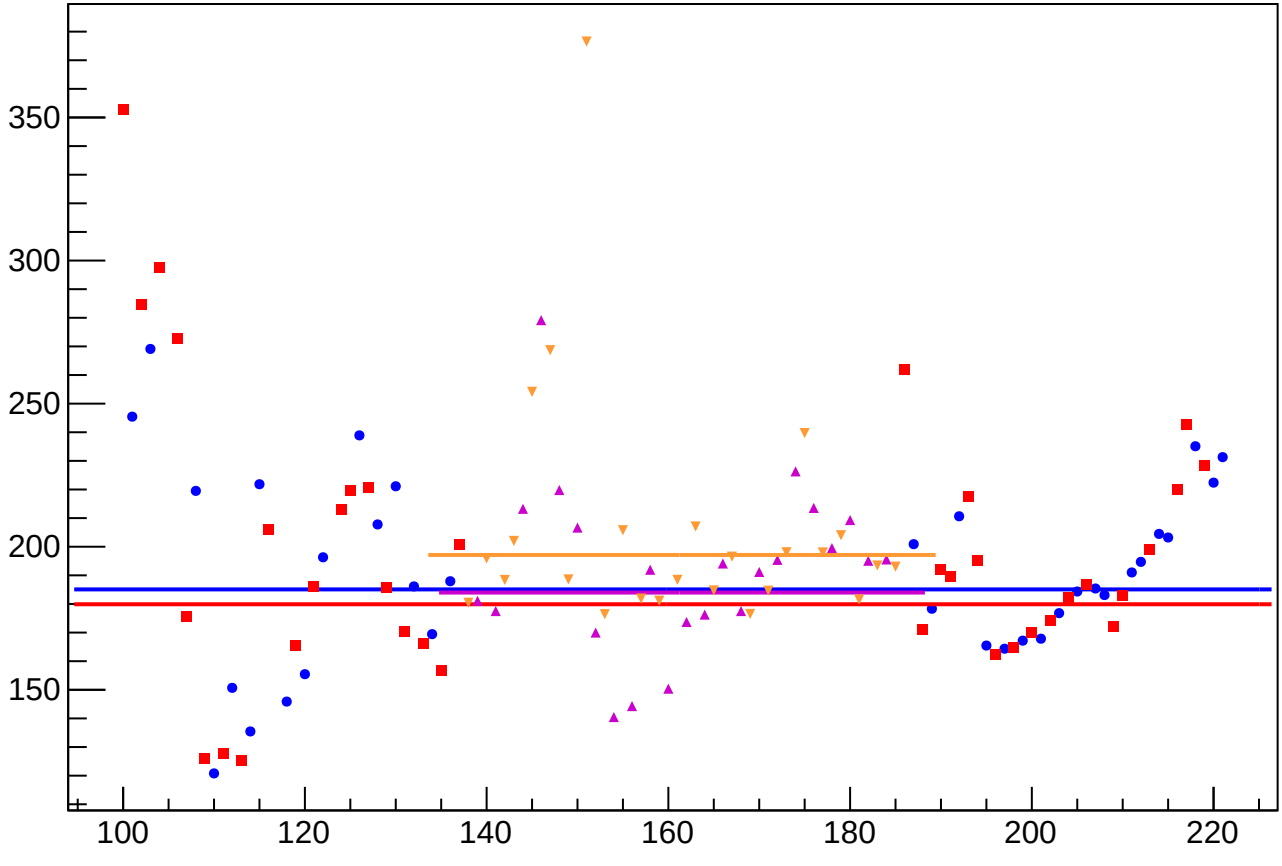
Right: 10115.942+/-28.276 χ^2/NDF: 184269.8/70

In: 407.440+/-29.731 χ^2/NDF:226249.0/56

Out: 1273.843+/-30.012 χ^2/NDF:283935.2/61

All: 836.570+/-21.122 χ^2/NDF: 510604.8/118

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: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

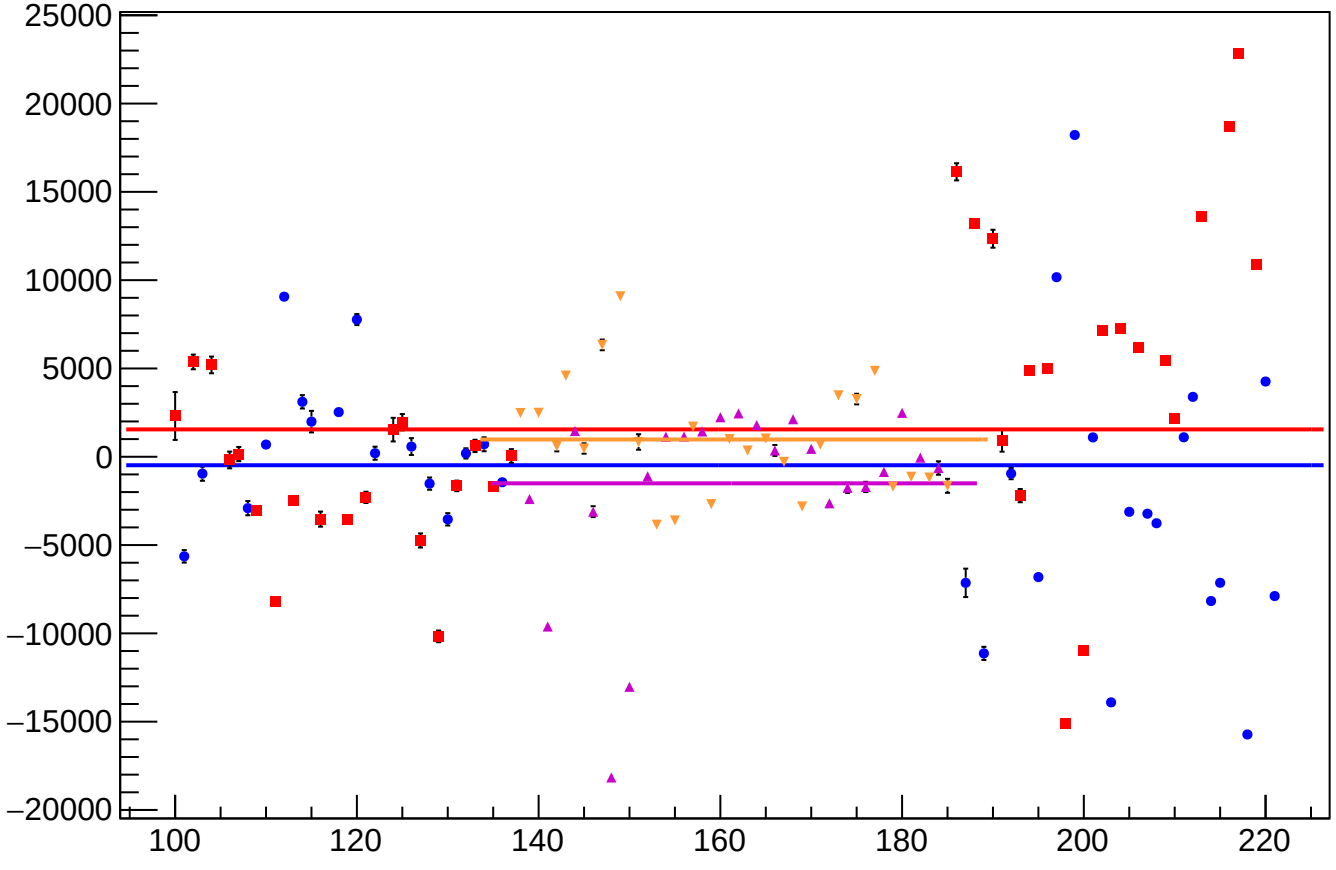
Right: 182.467+/-0.020 χ^2/NDF: 2576317.1/70

In: 184.588+/-0.021 χ^2/NDF:1892763.9/56

Out: 187.327+/-0.021 χ^2/NDF:2391302.7/61

All: 185.944+/-0.015 χ^2/NDF: 4292470.7/118

asym_bpm0i05WS_mean vs Slug, Sign Corrected



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: 1549.058+/-44.720 χ^2/NDF: 36556.9/36

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

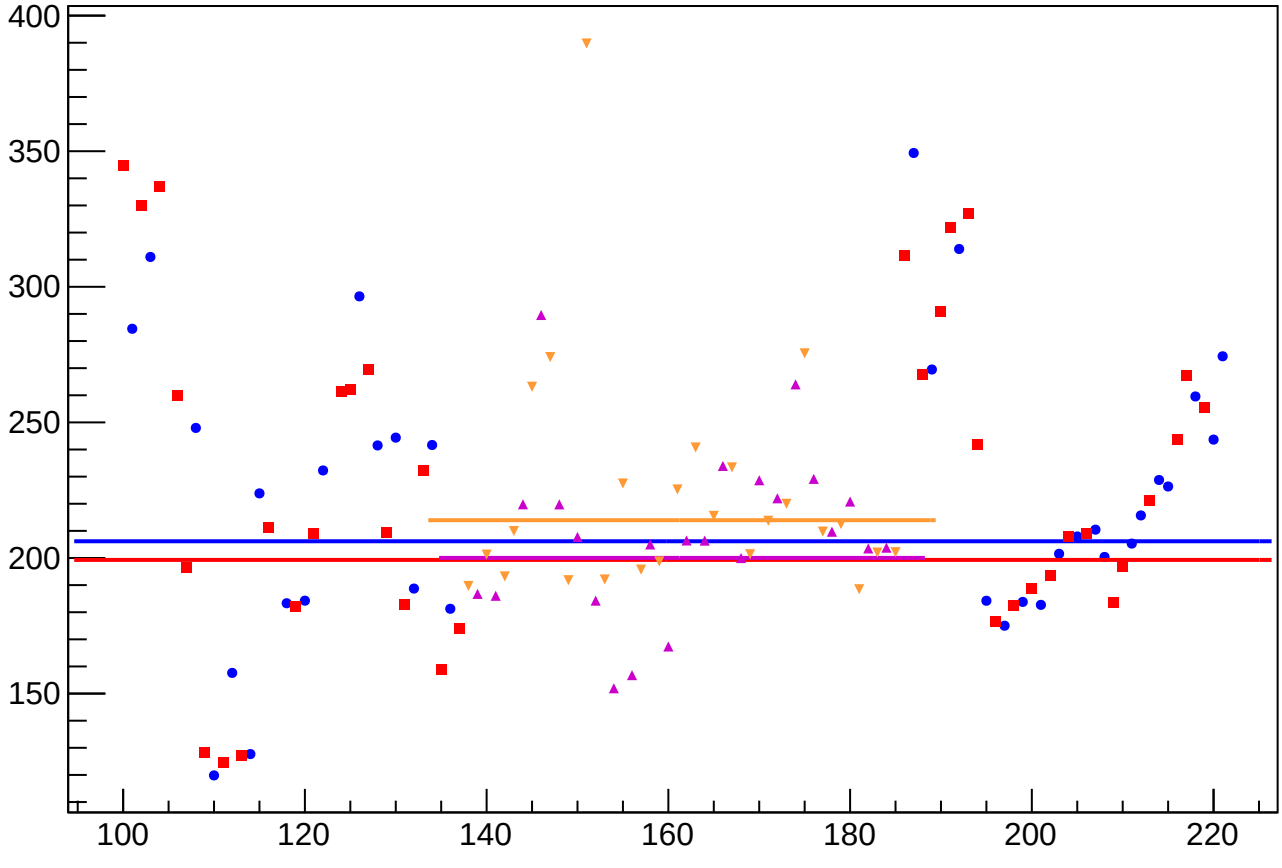
Right: 544.087+/-31.768 χ^2/NDF: 65611.7/70

In: -960.406+/-32.899 χ^2/NDF:39757.8/56

Out: 1293.229+/-33.215 χ^2/NDF:40952.8/61

All: 155.622+/-23.374 χ^2/NDF: 83034.4/118

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: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

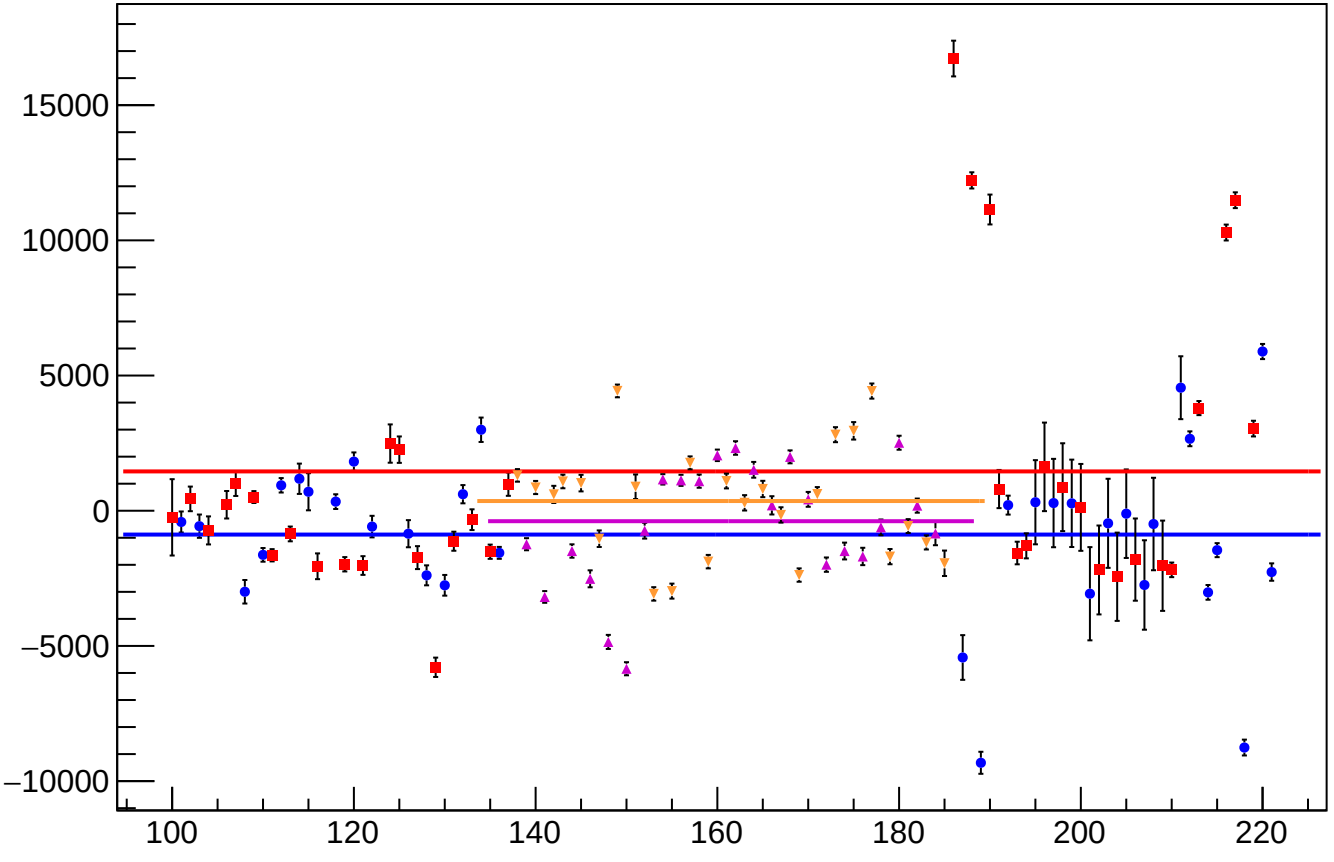
Right: 202.696+/-0.022 χ^2/NDF: 4349157.4/70

In: 203.290+/-0.023 χ^2/NDF:2576056.4/56

Out: 205.854+/-0.023 χ^2/NDF:3382279.4/61

All: 204.560+/-0.017 χ^2/NDF: 5964349.6/118

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: 1454.435+/-63.496 χ^2/NDF: 5922.8/36

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

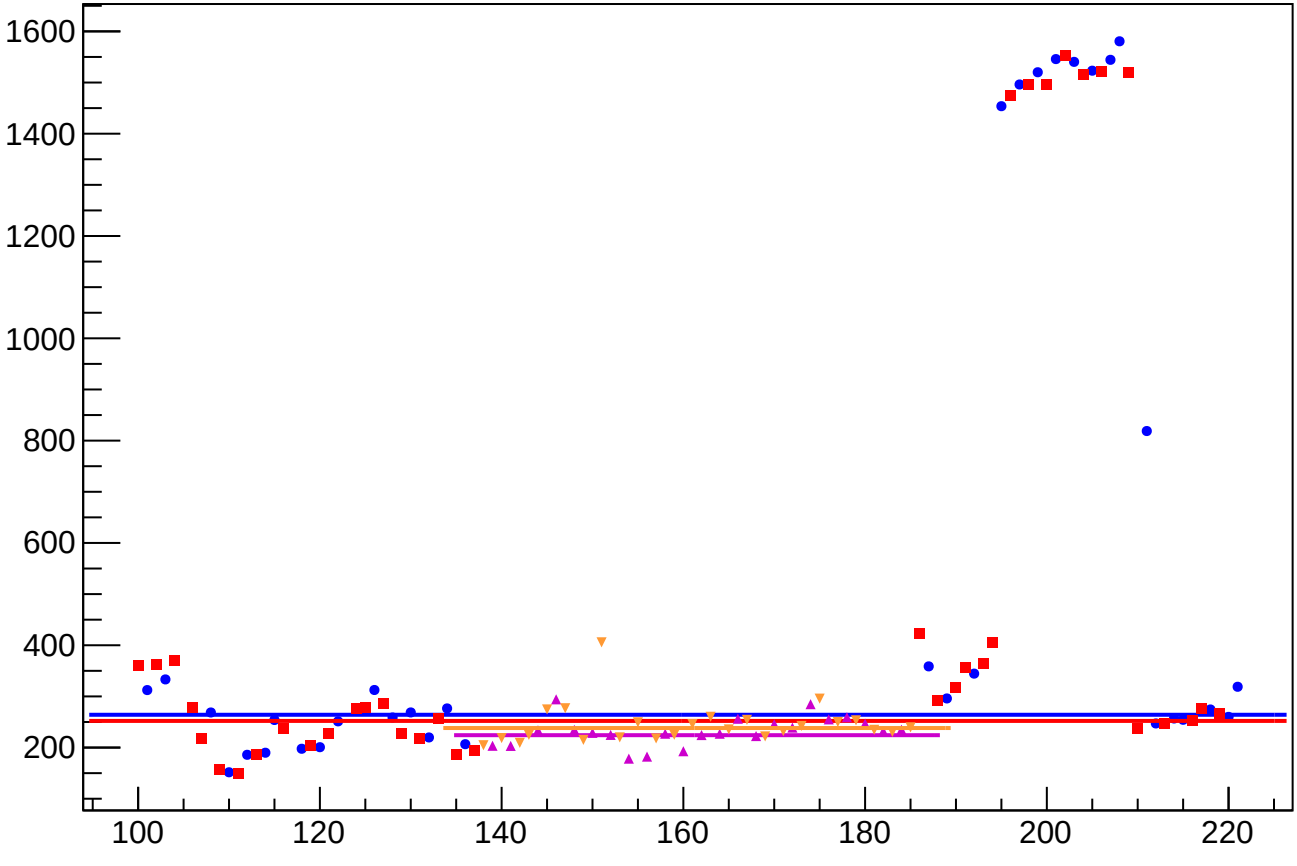
Right: 335.470+/-45.830 χ^2/NDF: 8951.4/70

In: -582.395+/-41.628 χ^2/NDF:4218.2/56

Out: 828.316+/-41.569 χ^2/NDF:7511.8/61

All: 123.967+/-29.415 χ^2/NDF: 12305.1/118

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: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

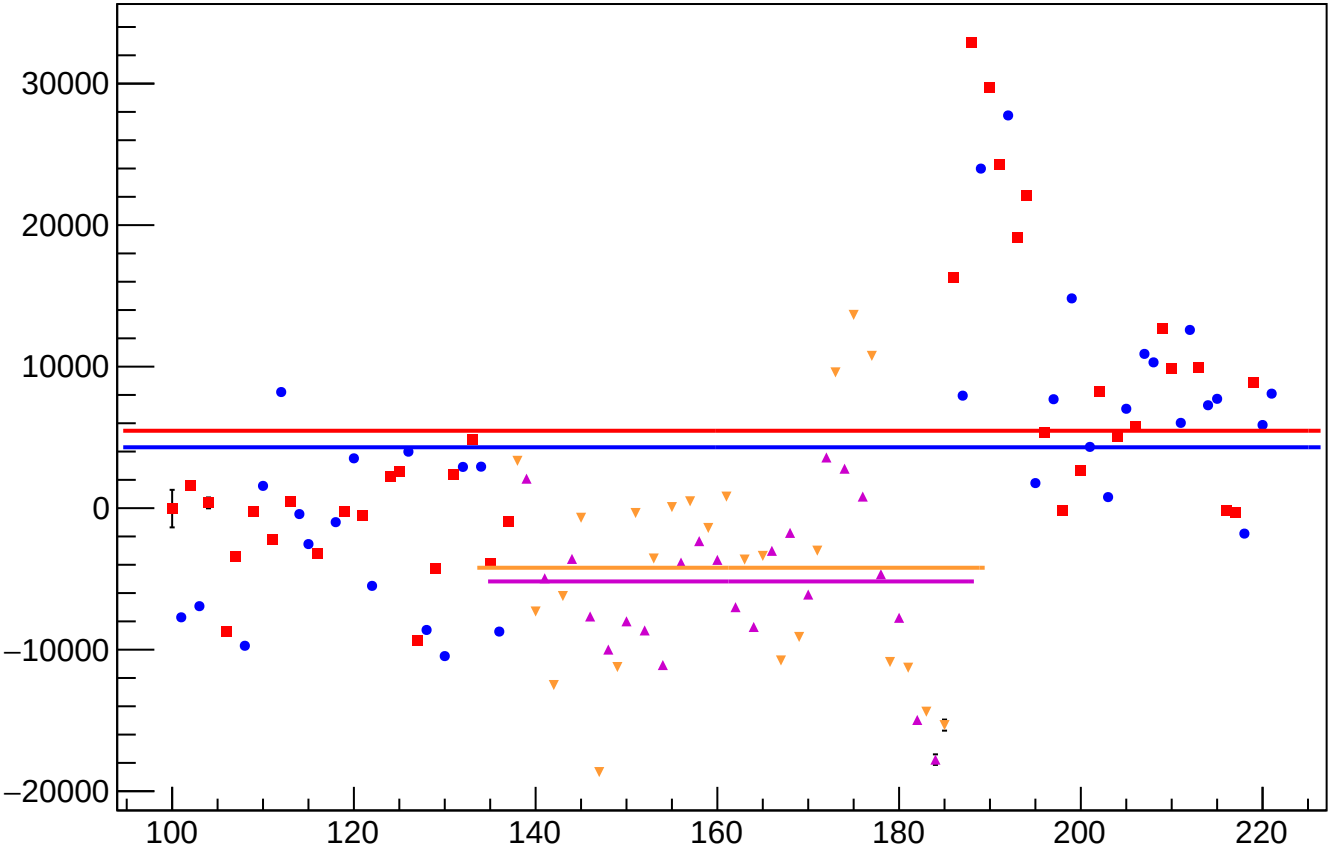
Right: 257.860+/-0.032 χ^2/NDF: 21710911.9/70

In: 239.983+/-0.029 χ^2/NDF:12128182.3/56

Out: 244.159+/-0.029 χ^2/NDF:11173728.0/61

All: 242.074+/-0.021 χ^2/NDF: 23311988.7/11

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: 5469.697+/-30.831 χ^2/NDF: 107507.6/36

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

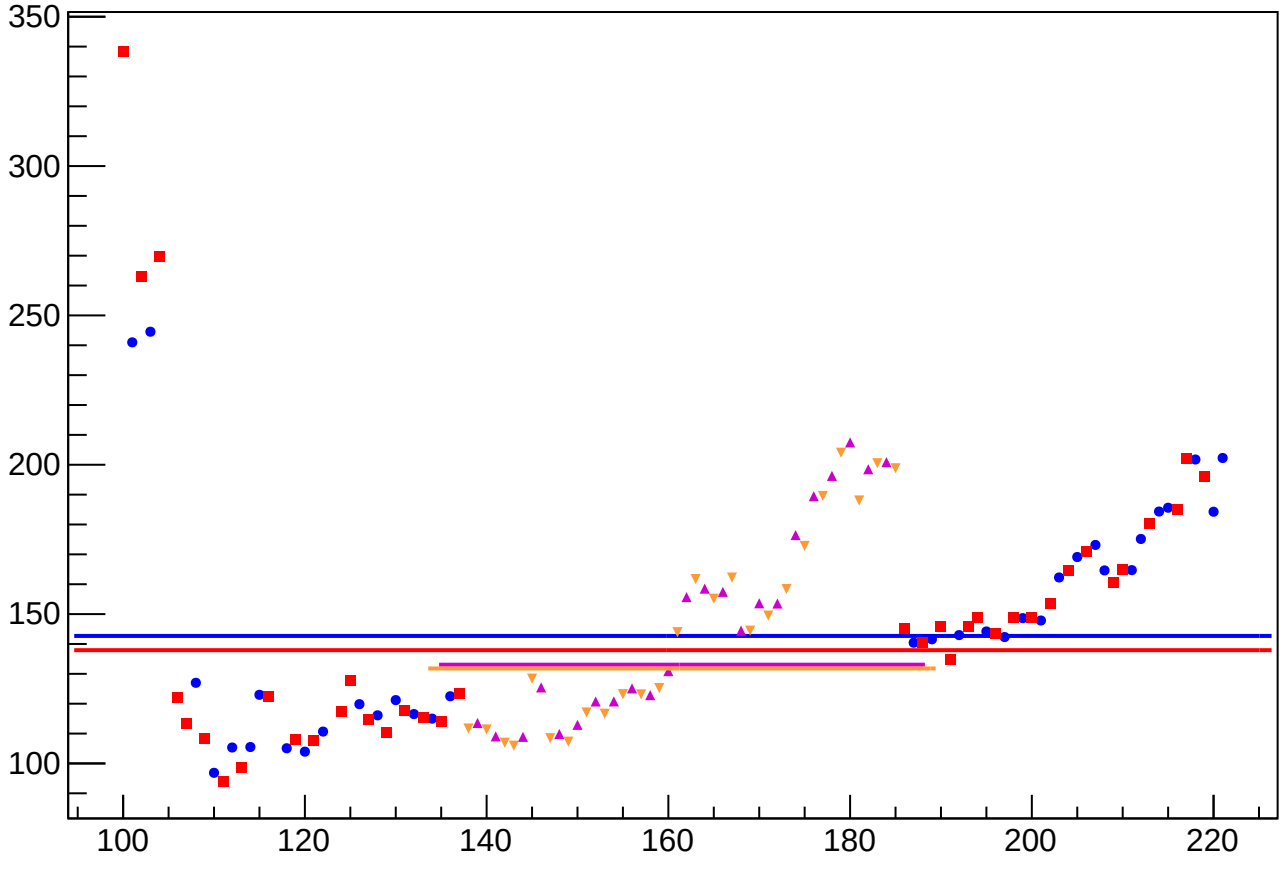
Right: 4898.819+/-22.038 χ^2/NDF: 191482.2/70

In: -369.863+/-22.443 χ^2/NDF:146417.8/56

Out: 629.125+/-21.800 χ^2/NDF:213606.3/61

All: 144.148+/-15.637 χ^2/NDF: 361043.5/118

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: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

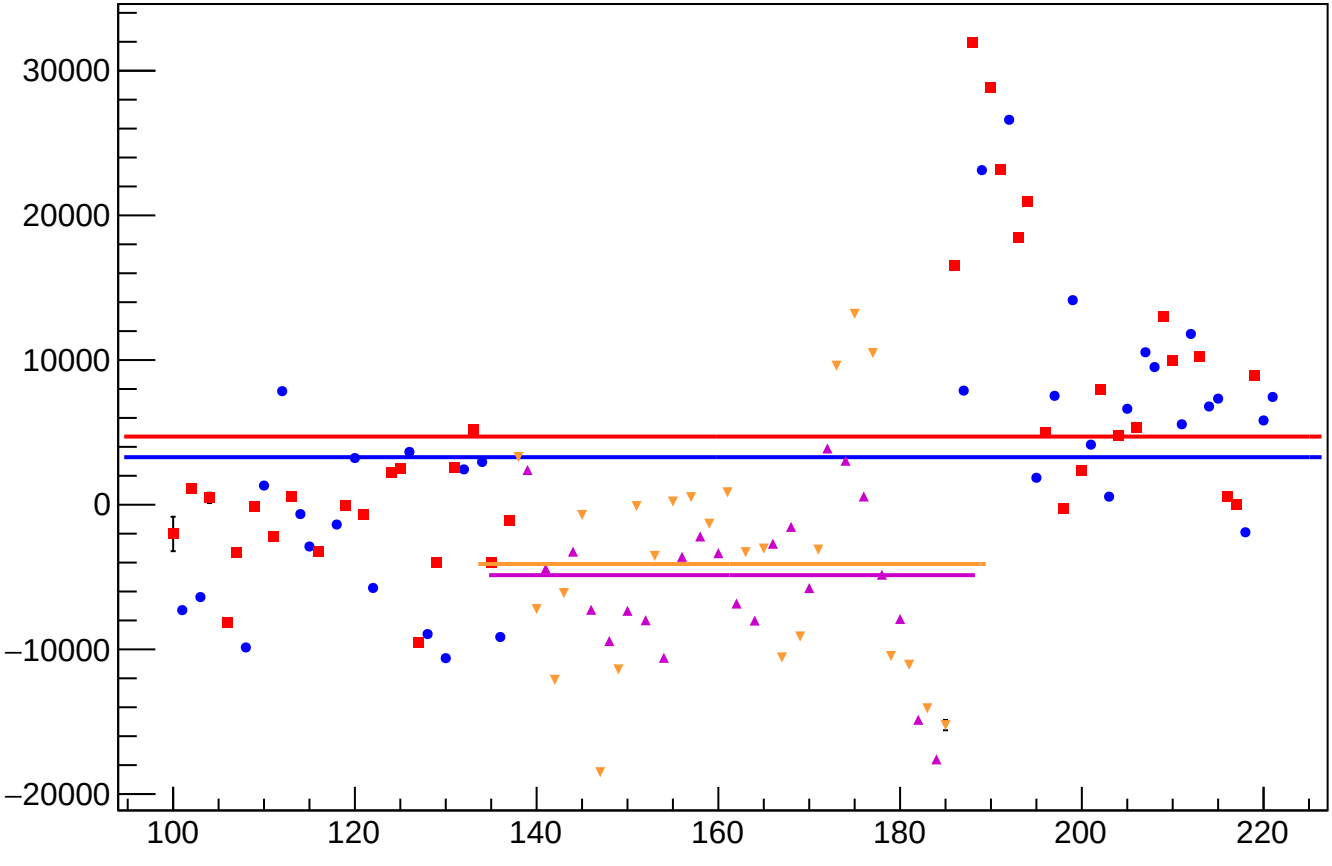
Right: 140.253+/-0.016 χ^2/NDF: 4273023.6/70

In: 137.945+/-0.016 χ^2/NDF:3622553.3/56

Out: 134.858+/-0.015 χ^2/NDF:3721086.6/61

All: 136.357+/-0.011 χ^2/NDF: 7363110.4/118

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: 4710.953+/-28.530 χ^2/NDF: 114400.1/36

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

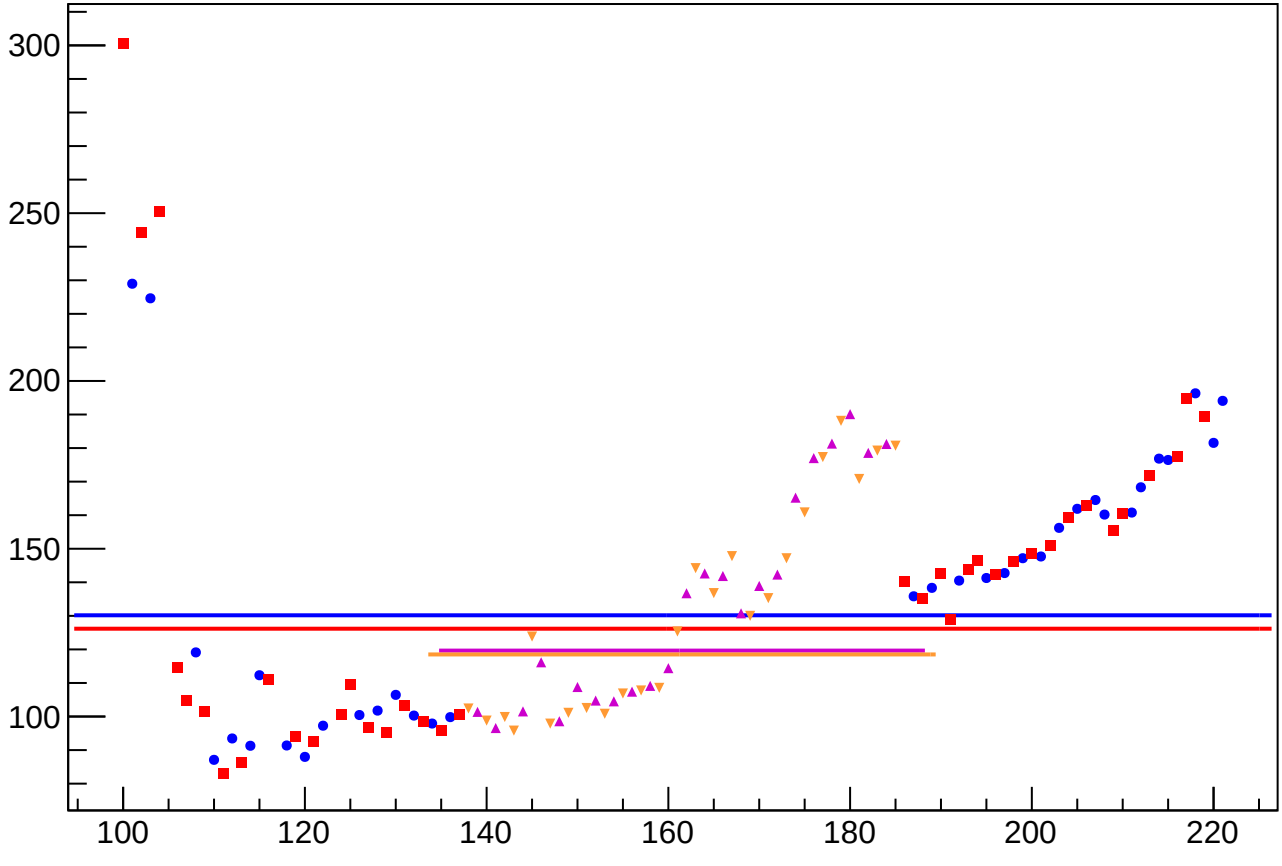
Right: 4012.808+/-20.373 χ^2/NDF: 207365.5/70

In: -833.085+/-20.474 χ^2/NDF:153326.1/56

Out: 187.411+/-19.900 χ^2/NDF:229633.1/61

All: -308.332+/-14.270 χ^2/NDF: 384236.7/11

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: 126.171+/-0.020 χ^2/NDF: 2940508.4/36

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

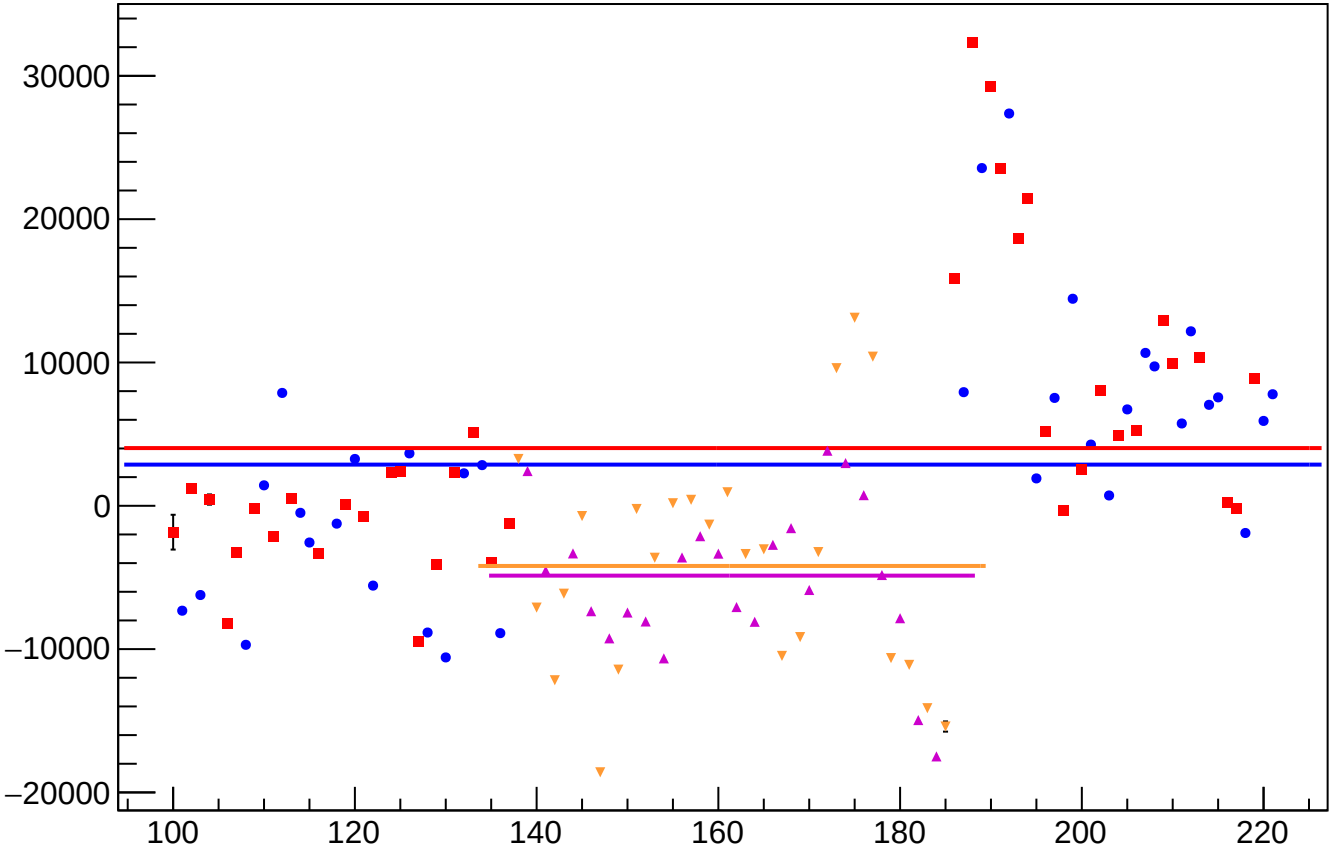
Right: 128.130+/-0.014 χ^2/NDF: 5982460.2/70

In: 124.854+/-0.014 χ^2/NDF:4667185.7/56

Out: 122.233+/-0.014 χ^2/NDF:4641852.6/61

All: 123.506+/-0.010 χ^2/NDF: 9325888.7/118

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: 4027.401+/-28.468 χ^2/NDF: 107978.9/36

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

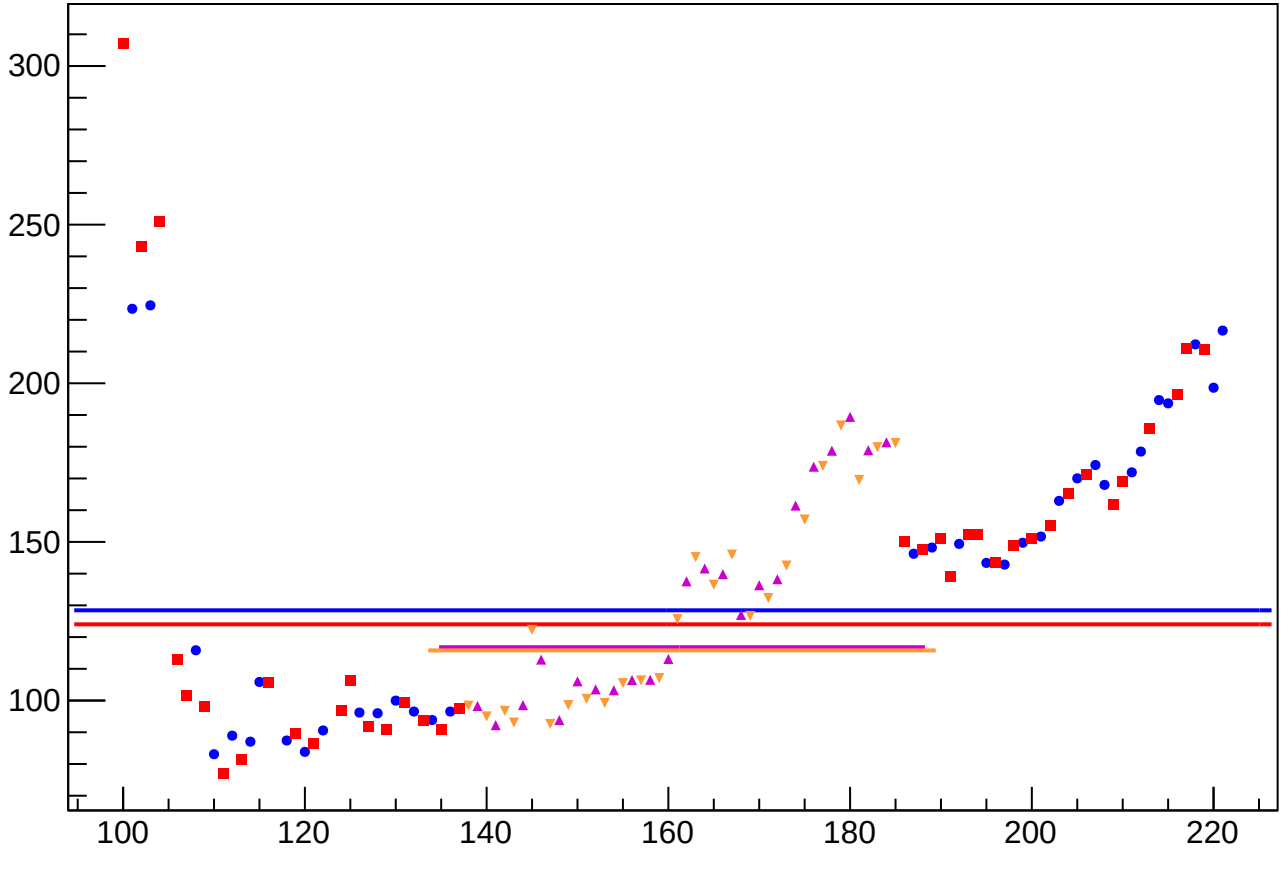
Right: 3464.481+/-20.371 χ^2/NDF: 199780.3/70

In: -1129.432+/-20.272 χ^2/NDF:150392.7/56

Out: -270.650+/-19.670 χ^2/NDF:222013.9/61

All: -687.110+/-14.117 χ^2/NDF: 373331.0/11

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: 124.028+/-0.020 χ^2/NDF: 3999399.8/36

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

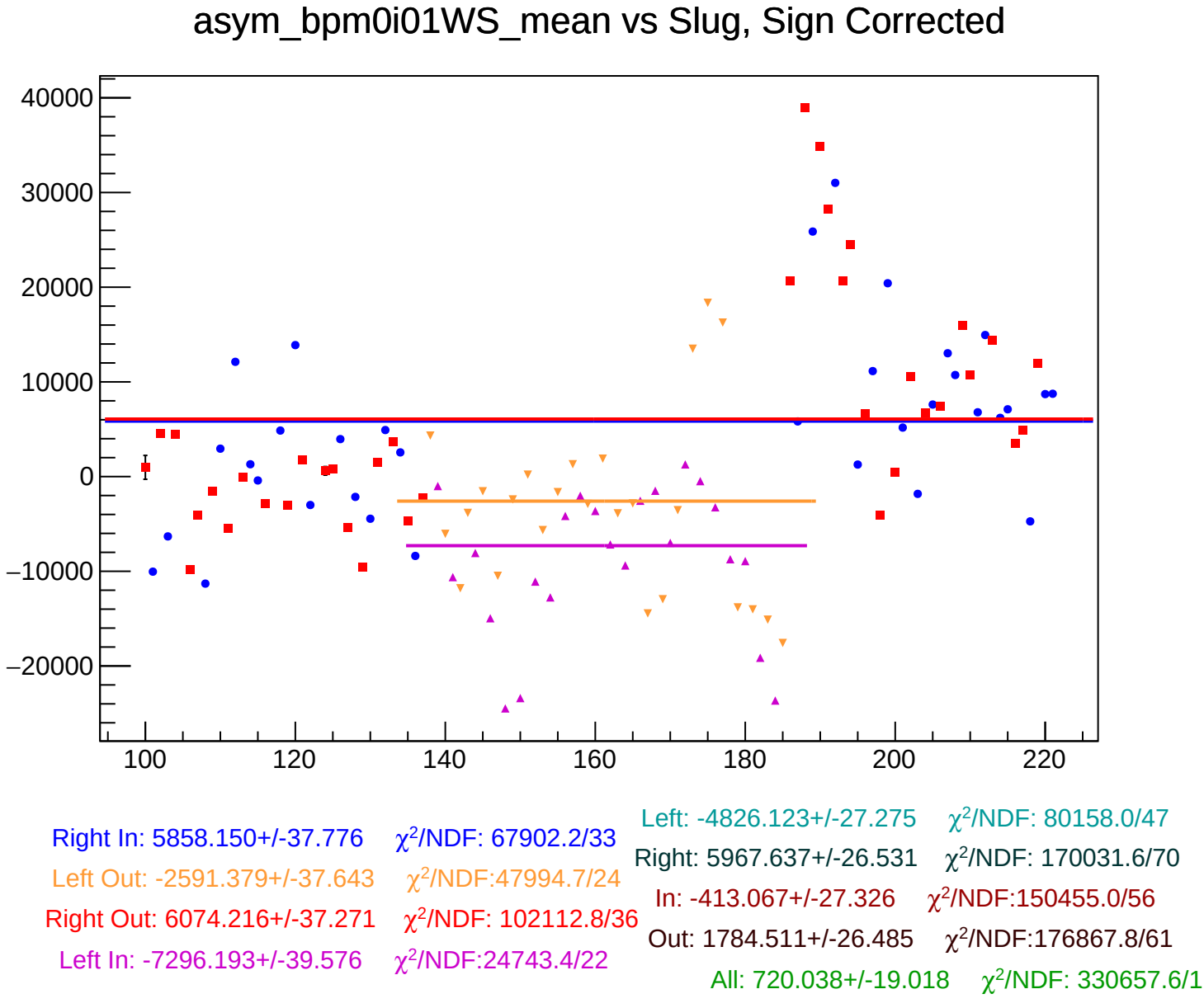
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 126.182+/-0.014 χ^2/NDF: 8152806.4/70

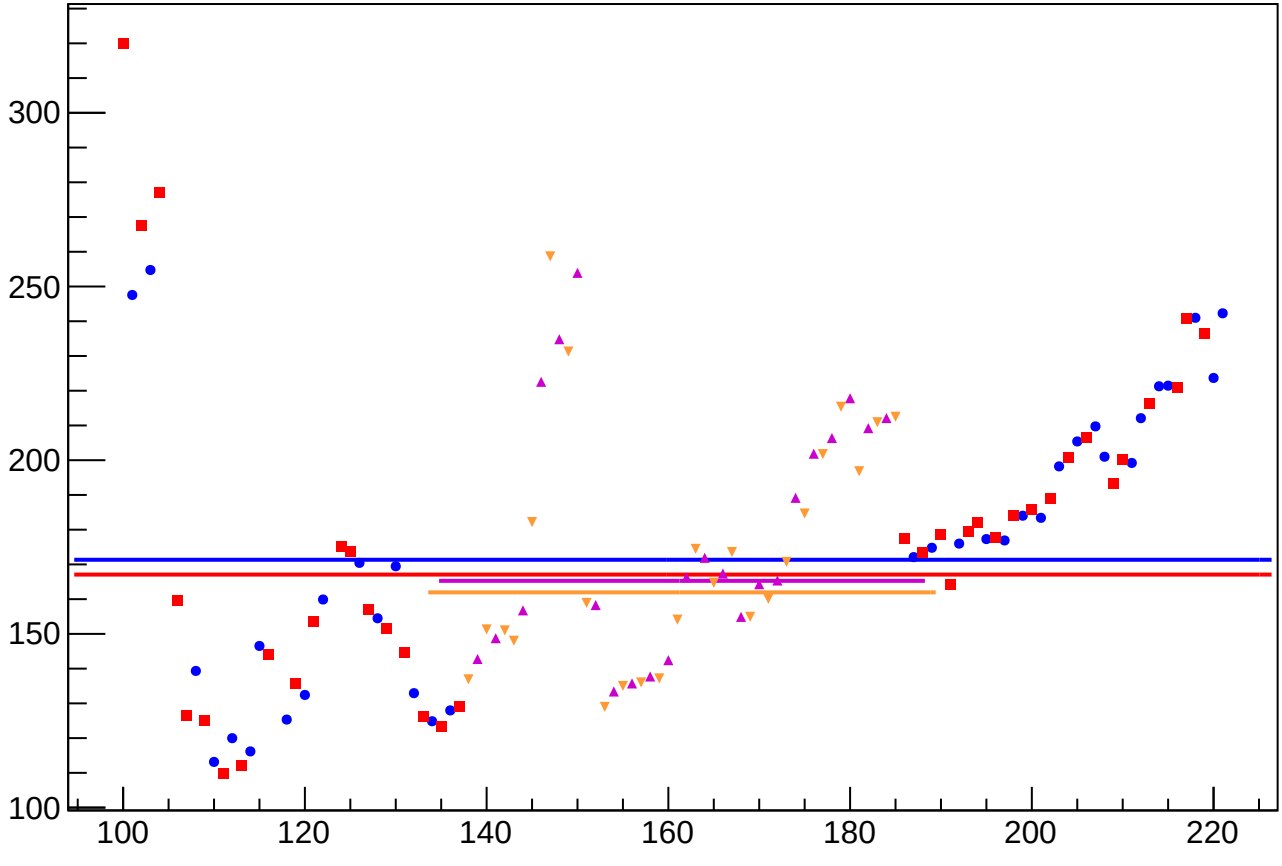
In: 122.430+/-0.014 χ^2/NDF:5912058.8/56

Out: 119.727+/-0.014 χ^2/NDF:5835769.1/61

All: 121.038+/-0.010 χ^2/NDF: 11766141.0/11


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: 6074.216+/-37.271 χ²/NDF: 102112.8/36
Left In: -7296.193+/-39.576 χ²/NDF:24743.4/22
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 5967.637+/-26.531 χ²/NDF: 170031.6/70
In: -413.067+/-27.326 χ²/NDF:150455.0/56
Out: 1784.511+/-26.485 χ²/NDF:176867.8/61
All: 720.038+/-19.018 χ²/NDF: 330657.6/118

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: 167.075+/-0.026 χ^2/NDF: 2122129.3/36

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

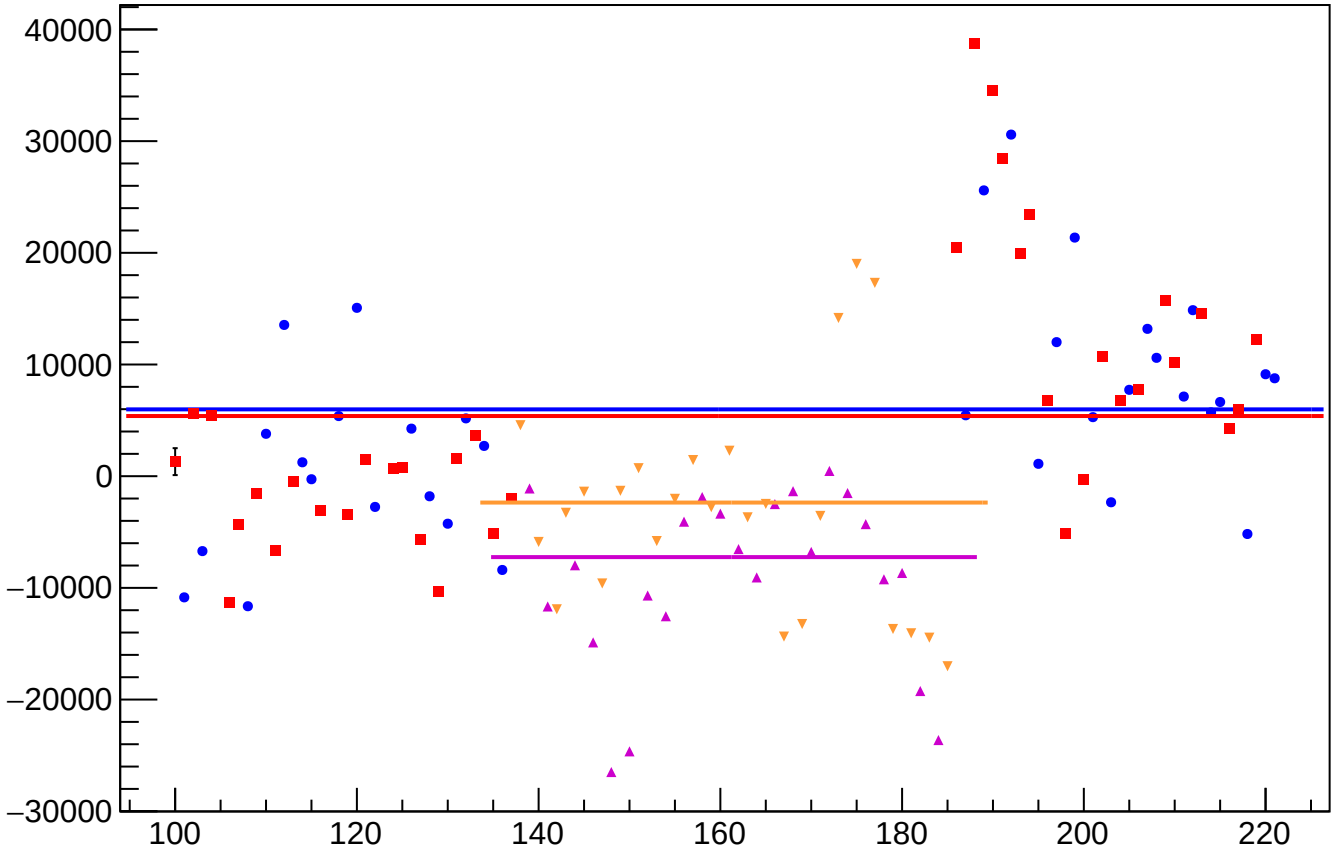
Right: 169.179+/-0.019 χ^2/NDF: 4323366.6/70

In: 168.448+/-0.019 χ^2/NDF:3392007.7/56

Out: 164.541+/-0.019 χ^2/NDF:3285604.5/61

All: 166.434+/-0.013 χ^2/NDF: 6698690.3/118

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: 5386.988+/-31.655 χ^2/NDF: 142463.5/36

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

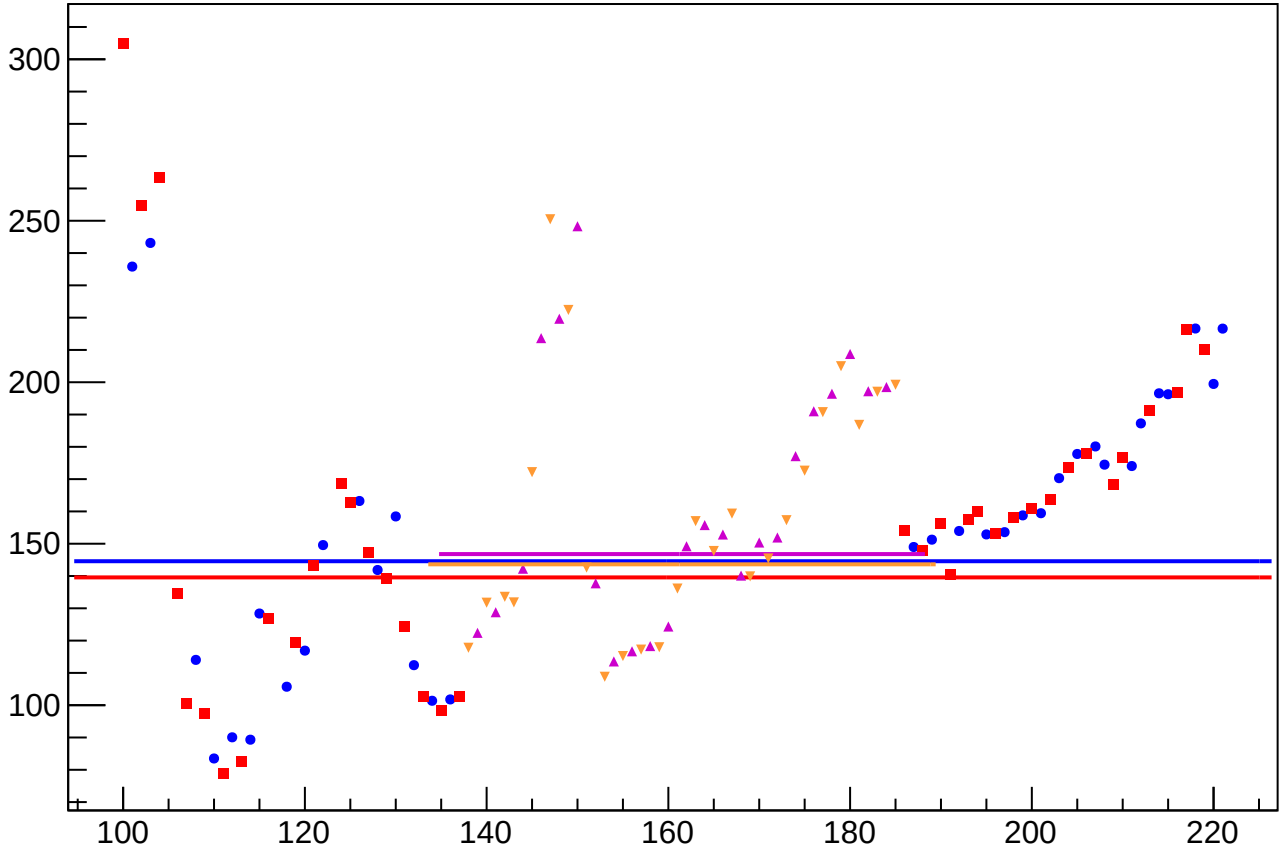
Right: 5678.842+/-22.615 χ^2/NDF: 237020.8/70

In: -10.654+/-23.901 χ^2/NDF:200731.4/56

Out: 1753.005+/-23.066 χ^2/NDF:229127.3/61

All: 902.519+/-16.598 χ^2/NDF: 432677.9/118

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: 139.569+/-0.022 χ^2/NDF: 3218417.0/36

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

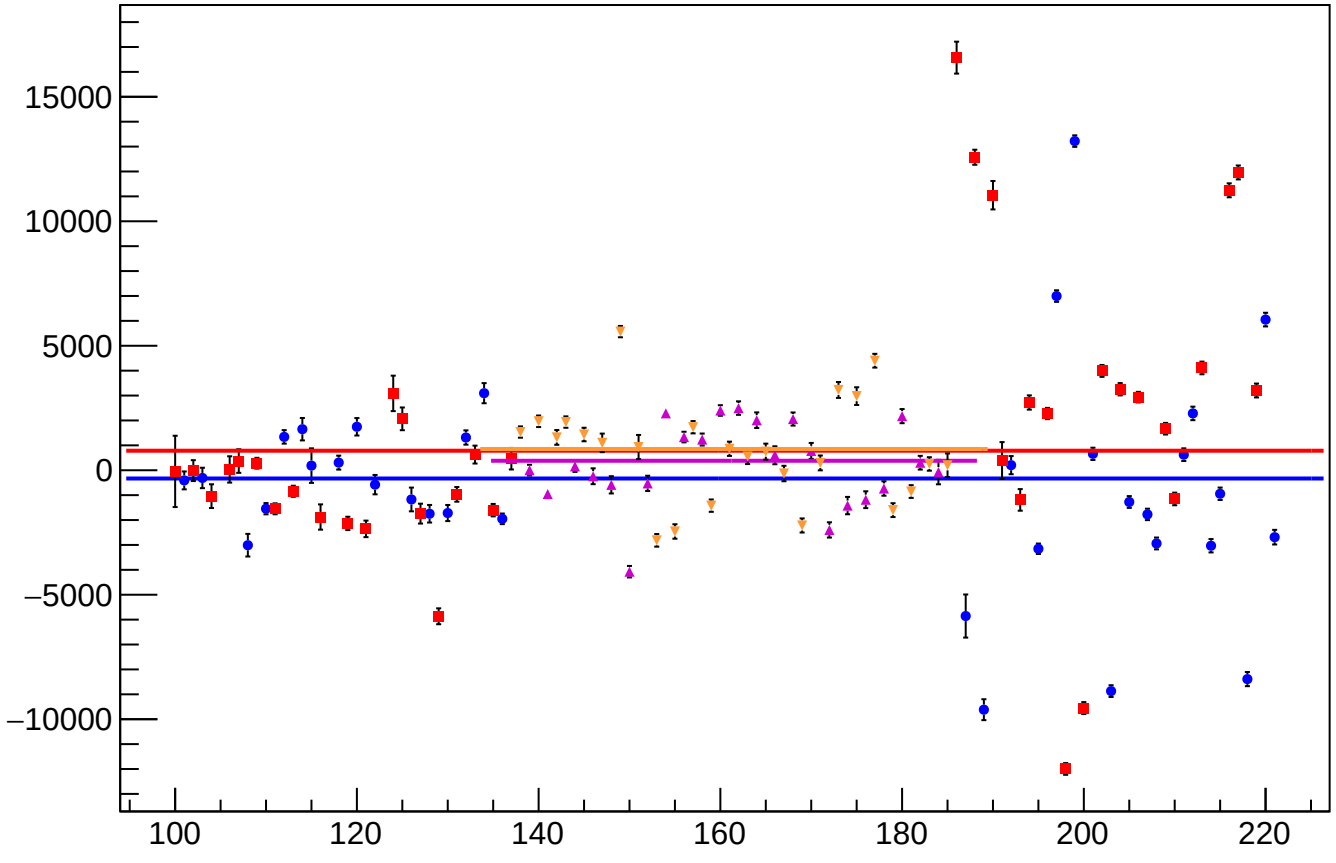
Right: 142.022+/-0.016 χ^2/NDF: 6377990.4/70

In: 145.583+/-0.017 χ^2/NDF:4833806.5/56

Out: 141.470+/-0.016 χ^2/NDF:4896625.6/61

All: 143.453+/-0.012 χ^2/NDF: 9761096.7/118

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: 784.528+/-49.658 χ^2/NDF: 12071.3/36

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

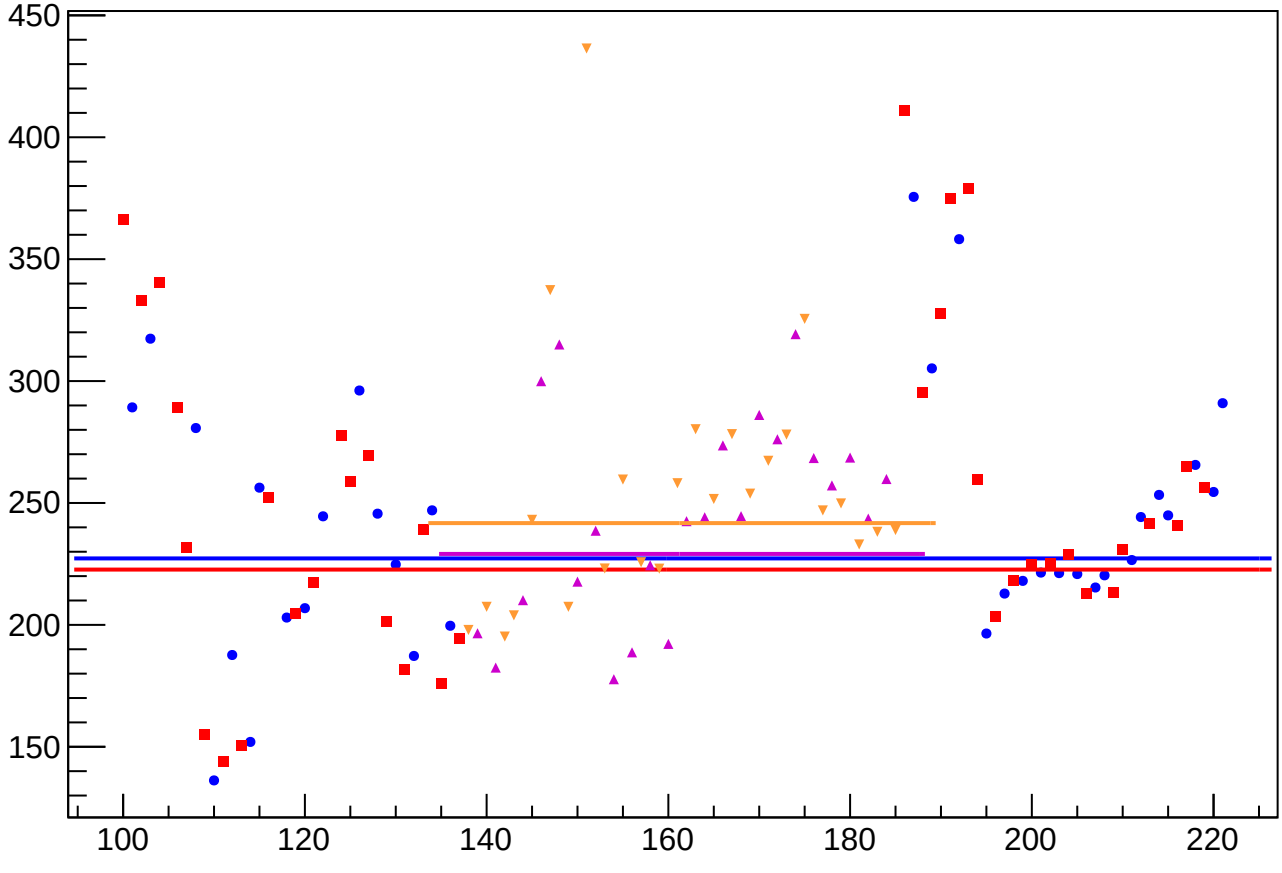
Right: 225.278+/-35.071 χ^2/NDF: 20952.0/70

In: -13.170+/-36.849 χ^2/NDF:9702.4/56

Out: 814.928+/-37.223 χ^2/NDF:13516.0/61

All: 396.695+/-26.187 χ^2/NDF: 23468.3/118

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: 222.684+/-0.035 χ^2/NDF: 2022289.9/36

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

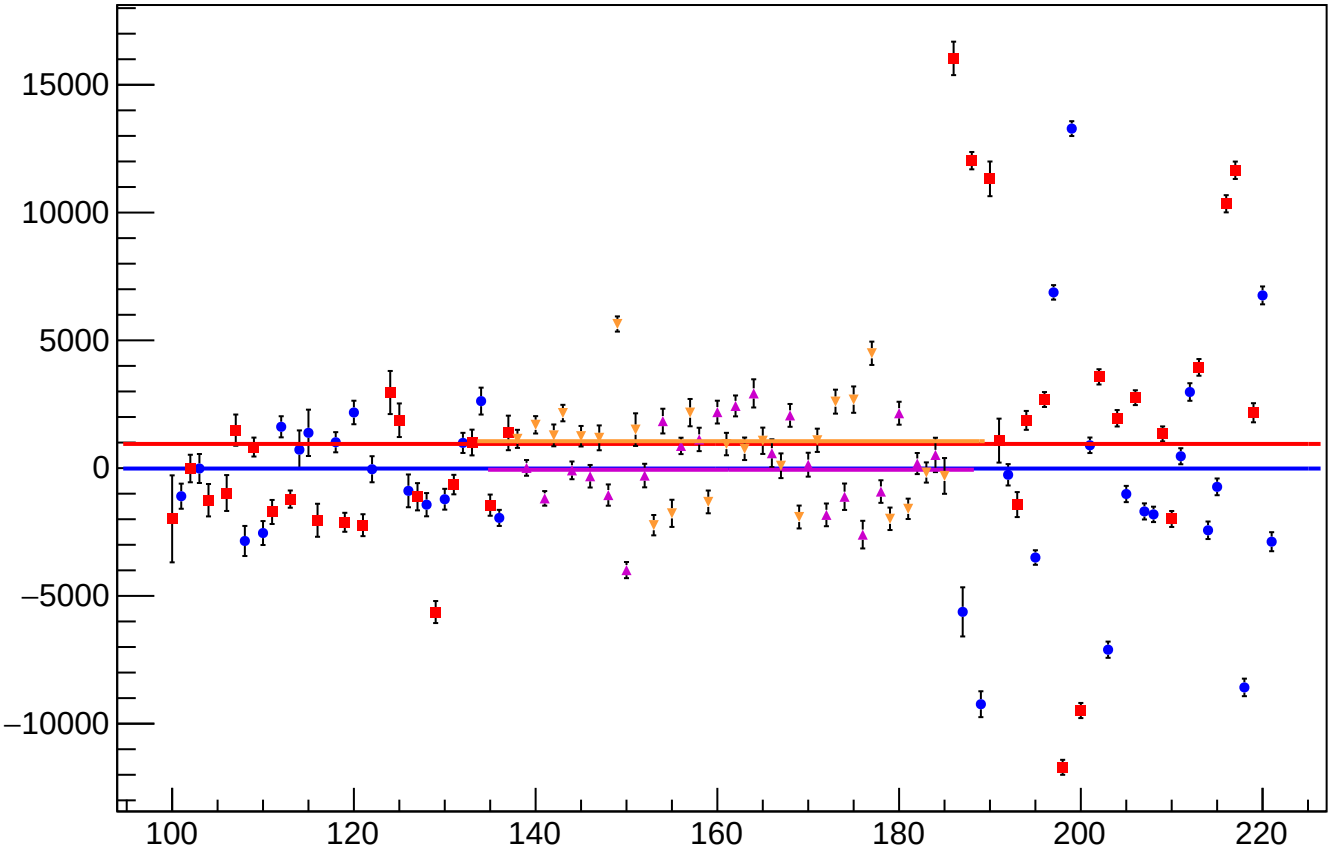
Right: 224.978+/-0.025 χ^2/NDF: 3427454.6/70

In: 228.083+/-0.026 χ^2/NDF:2466850.2/56

Out: 231.035+/-0.026 χ^2/NDF:3137790.5/61

All: 229.545+/-0.019 χ^2/NDF: 5610993.9/118

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -16.387+/-65.758 χ^2/NDF: 5166.9/33

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 946.621+/-66.286 χ^2/NDF: 7635.2/36

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

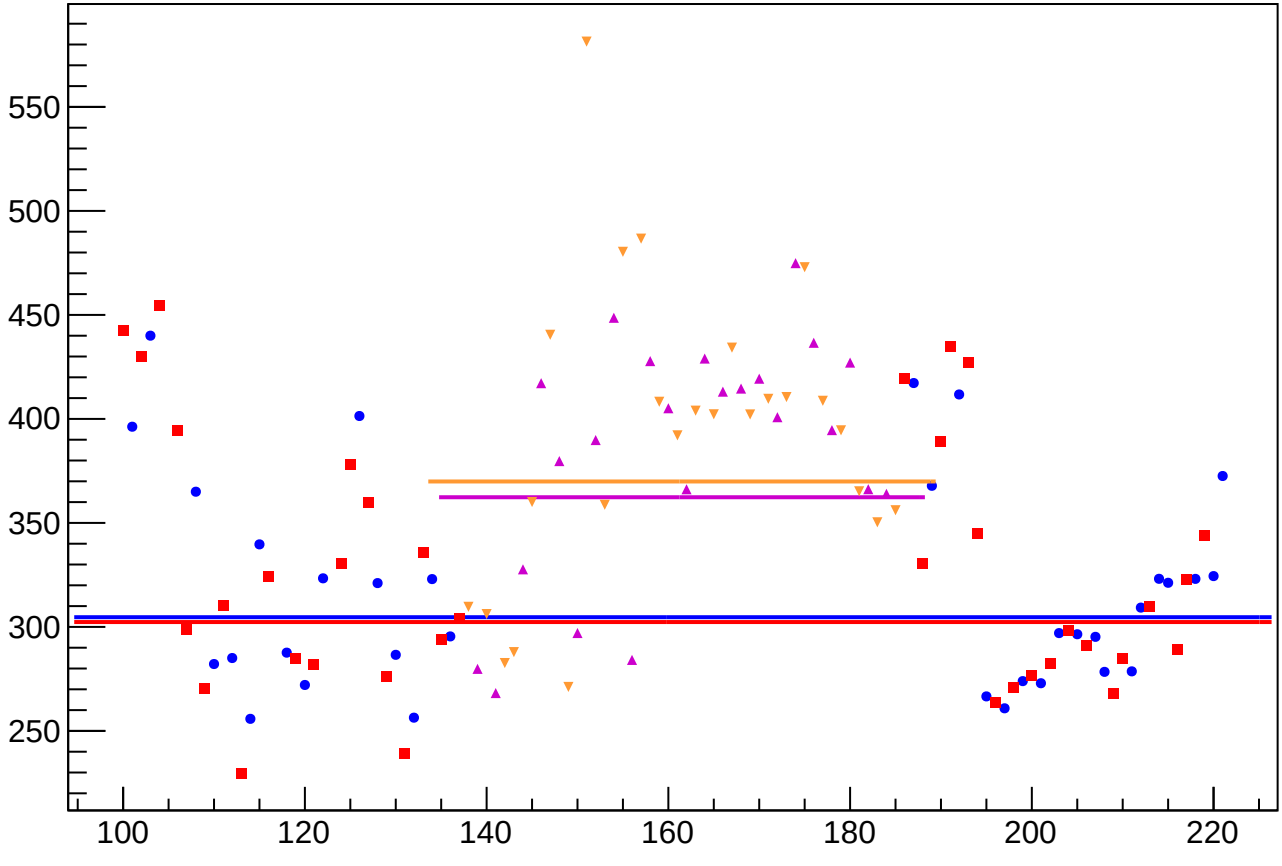
Right: 461.269+/-46.684 χ^2/NDF: 12908.5/70

In: -34.021+/-52.384 χ^2/NDF:5561.6/56

Out: 986.459+/-52.477 χ^2/NDF:8250.8/61

All: 475.317+/-37.074 χ^2/NDF: 14001.8/118

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: 302.340+/-0.047 χ^2/NDF: 990558.4/36

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

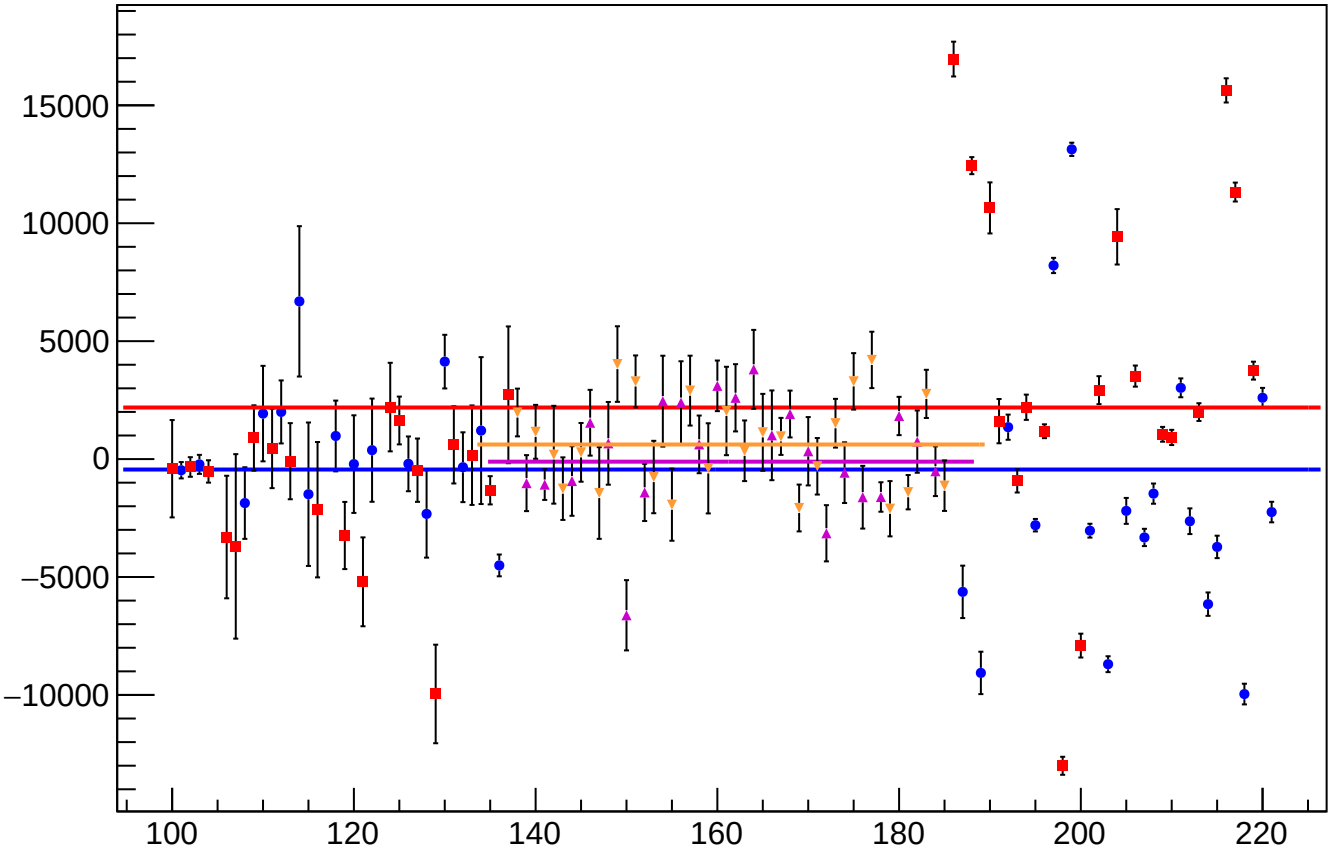
Right: 303.512+/-0.033 χ^2/NDF: 1759432.9/70

In: 325.740+/-0.037 χ^2/NDF:2383223.9/56

Out: 327.565+/-0.037 χ^2/NDF:2996879.4/61

All: 326.651+/-0.026 χ^2/NDF: 5381315.4/118

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: 2186.943+/-94.357 χ^2/NDF: 4786.9/36

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

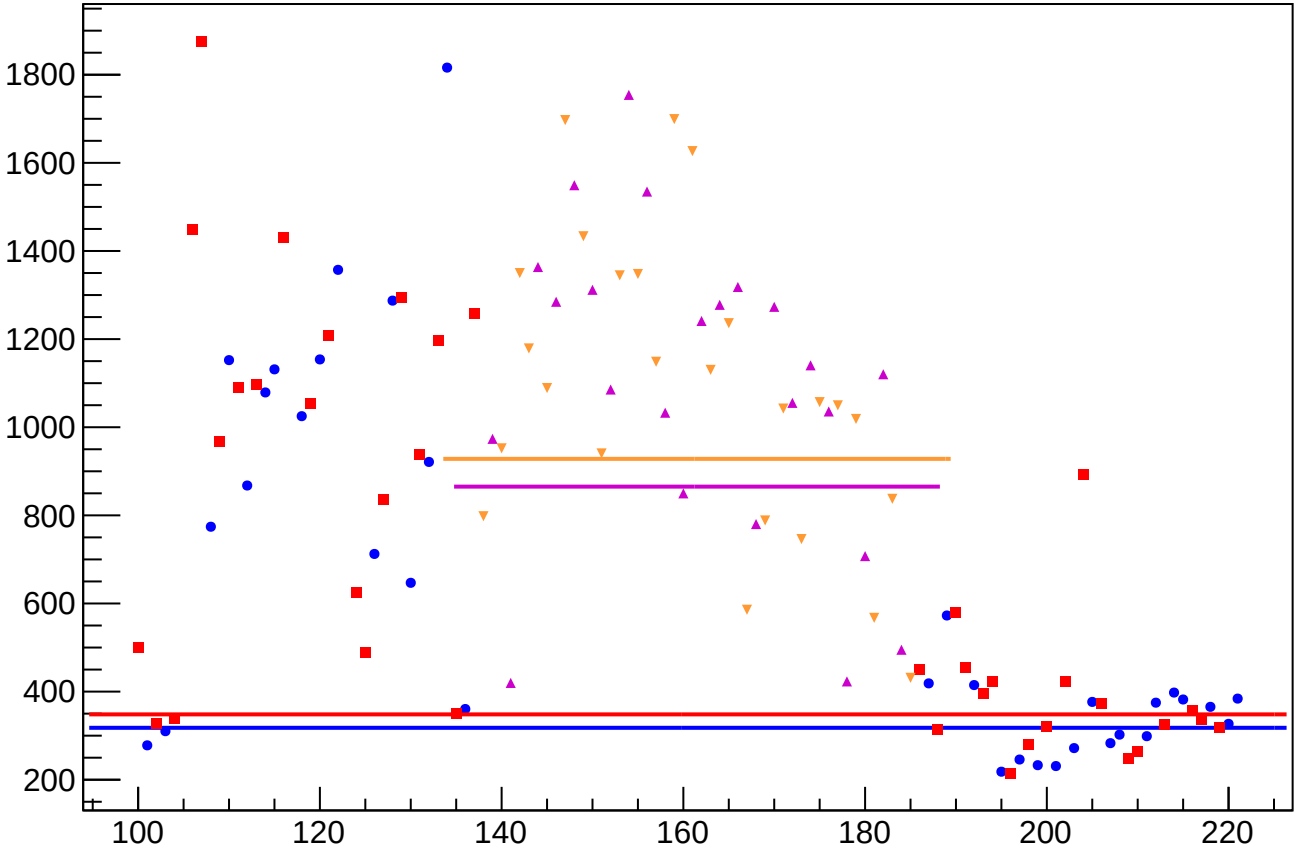
Right: 742.898+/-63.356 χ^2/NDF: 10142.9/70

In: -404.518+/-80.454 χ^2/NDF:5003.0/56

Out: 1974.140+/-87.722 χ^2/NDF:4890.1/61

All: 682.206+/-59.293 χ^2/NDF: 10292.5/118

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: 348.313+/-0.067 χ^2/NDF: 6177072.5/36

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

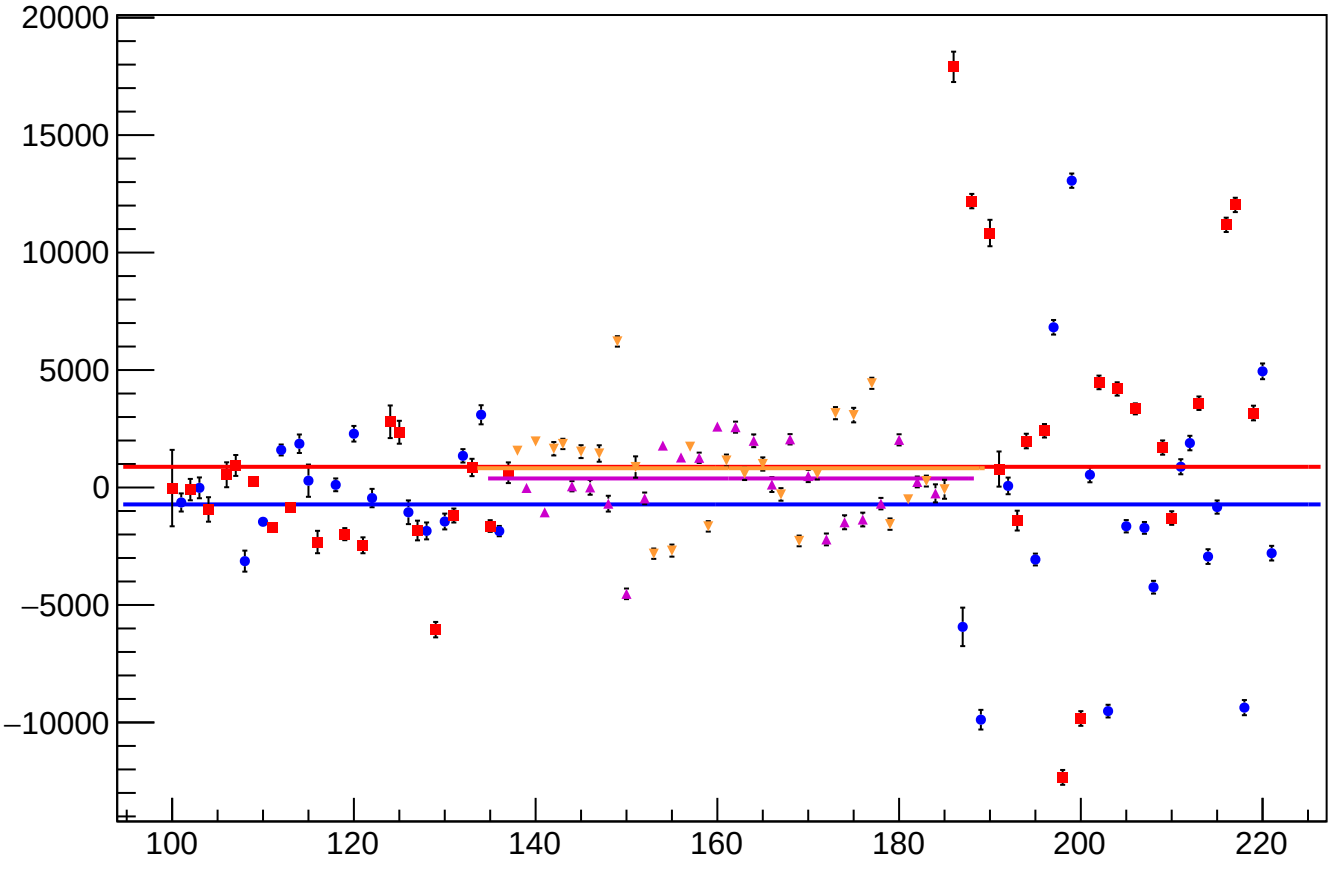
Right: 331.589+/-0.045 χ^2/NDF: 11664002.1/70

In: 380.498+/-0.057 χ^2/NDF:19546826.2/56

Out: 426.999+/-0.062 χ^2/NDF:19722368.1/61

All: 401.743+/-0.042 χ^2/NDF: 39574423.9/11

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: 880.683+/-52.477 χ^2/NDF: 9659.9/36

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

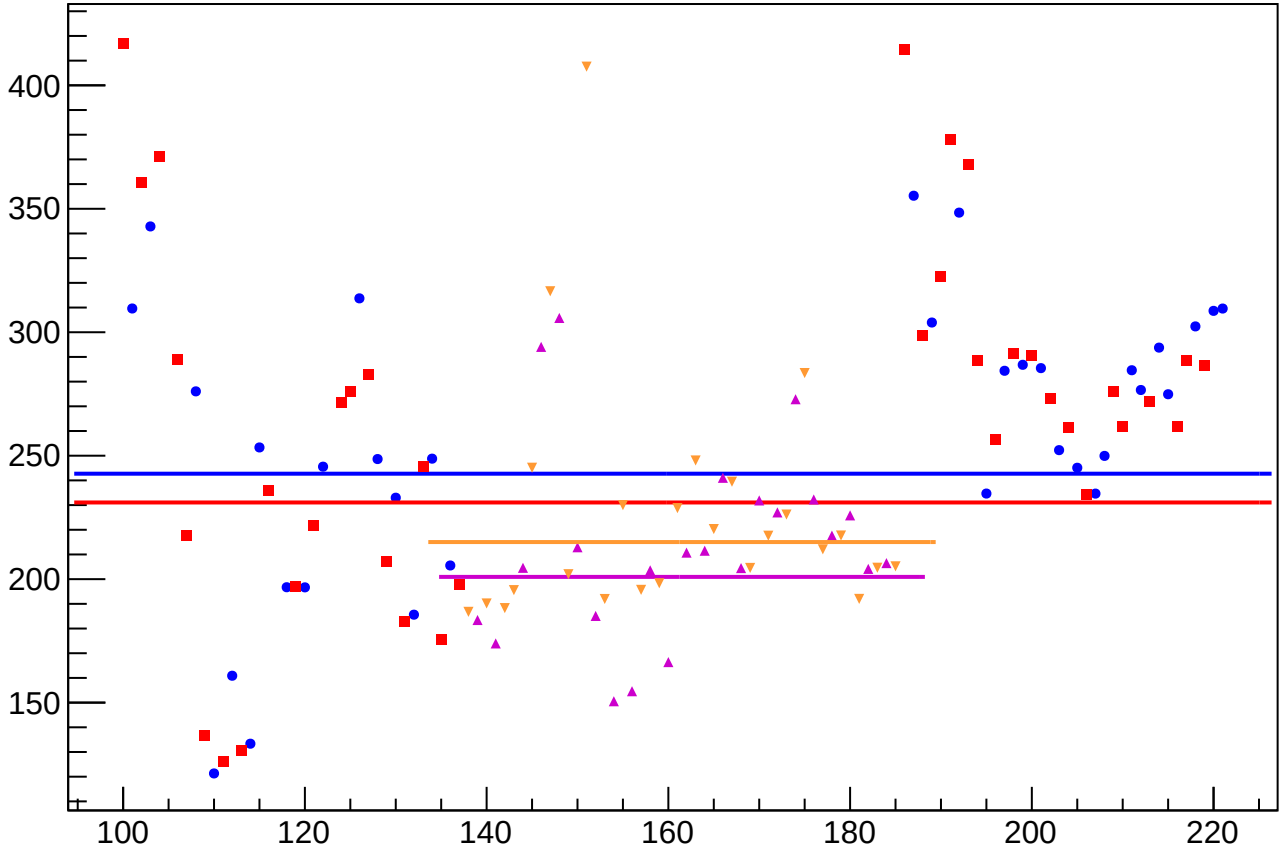
Right: 97.458+/-37.497 χ^2/NDF: 16289.1/70

In: -111.764+/-35.944 χ^2/NDF:7661.1/56

Out: 849.304+/-36.198 χ^2/NDF:11651.3/61

All: 365.388+/-25.506 χ^2/NDF: 19667.4/118

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: 231.056+/-0.037 χ^2/NDF: 3395371.8/36

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

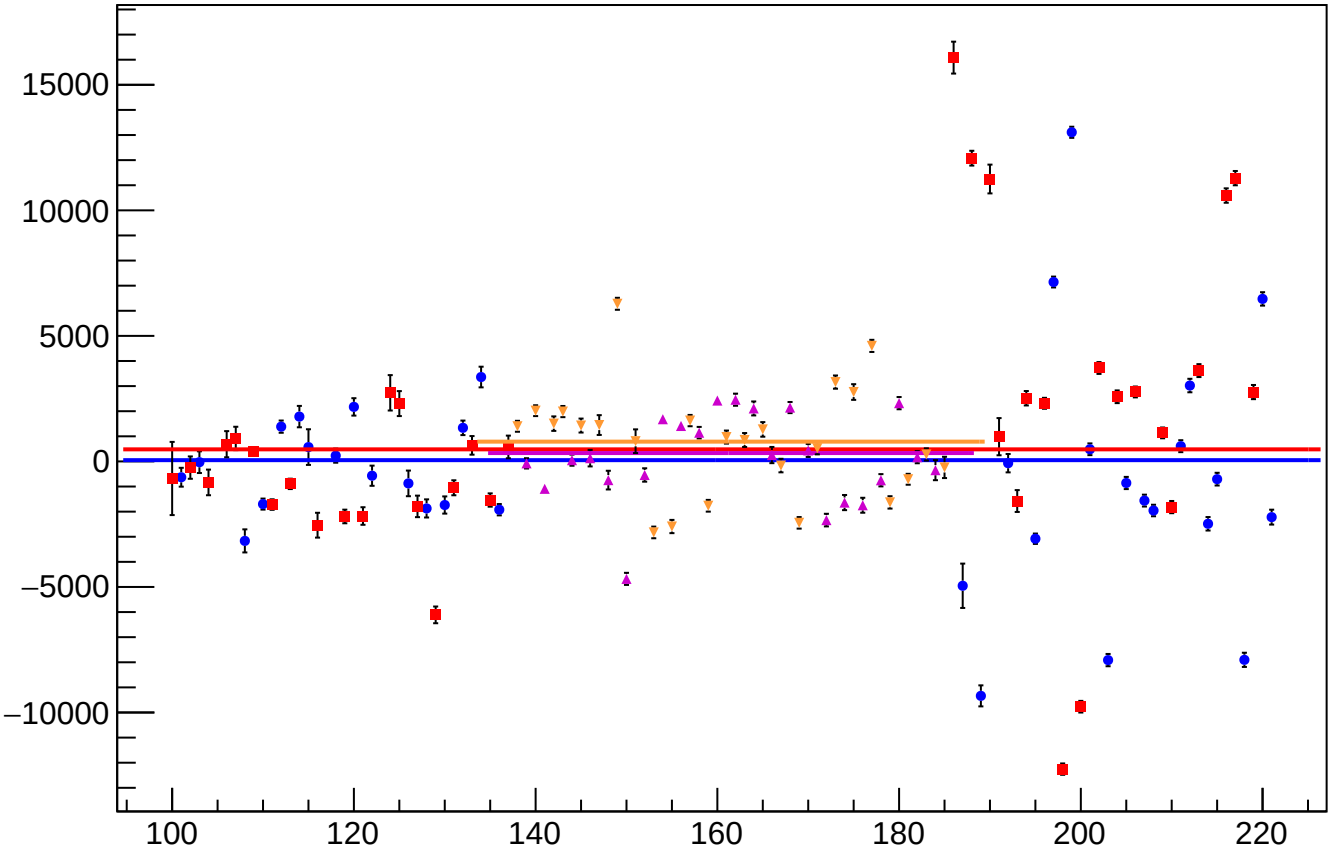
Right: 236.760+/-0.027 χ^2/NDF: 5767742.6/70

In: 219.712+/-0.025 χ^2/NDF:4099076.2/56

Out: 222.654+/-0.026 χ^2/NDF:4390979.0/61

All: 221.173+/-0.018 χ^2/NDF: 8496703.9/118

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: 480.881+/-49.133 χ^2/NDF: 12017.1/36

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

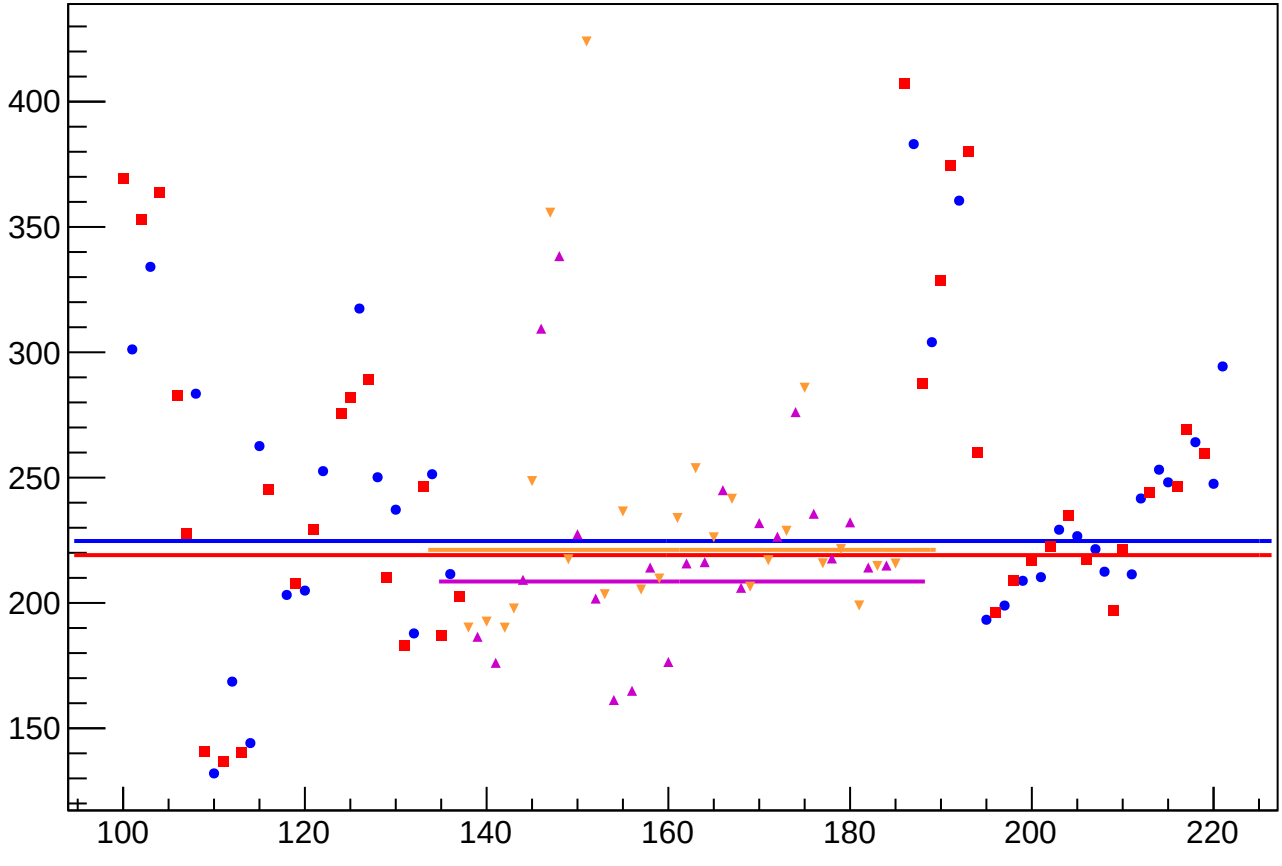
Right: 265.632+/-34.746 χ^2/NDF: 20643.9/70

In: 188.806+/-35.115 χ^2/NDF:9819.9/56

Out: 627.499+/-35.525 χ^2/NDF:13926.0/61

All: 405.608+/-24.974 χ^2/NDF: 23823.0/118

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: 219.080+/-0.035 χ^2/NDF: 2438997.4/36

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

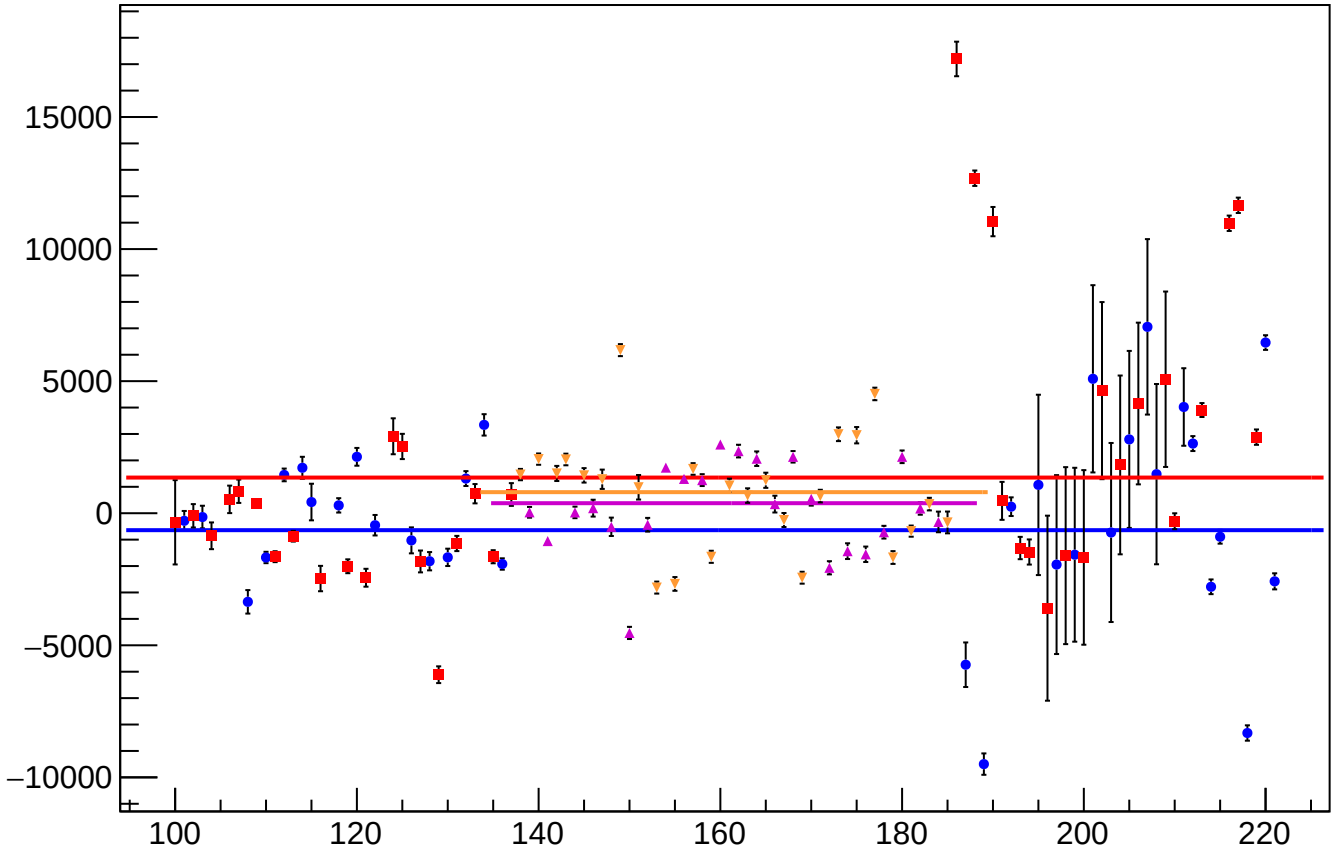
Right: 221.893+/-0.025 χ^2/NDF: 4116939.6/70

In: 216.803+/-0.025 χ^2/NDF:2806195.3/56

Out: 220.085+/-0.025 χ^2/NDF:3380269.7/61

All: 218.425+/-0.018 χ^2/NDF: 6195098.9/118

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: 1349.854+/-60.133 χ^2/NDF: 6575.0/36

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

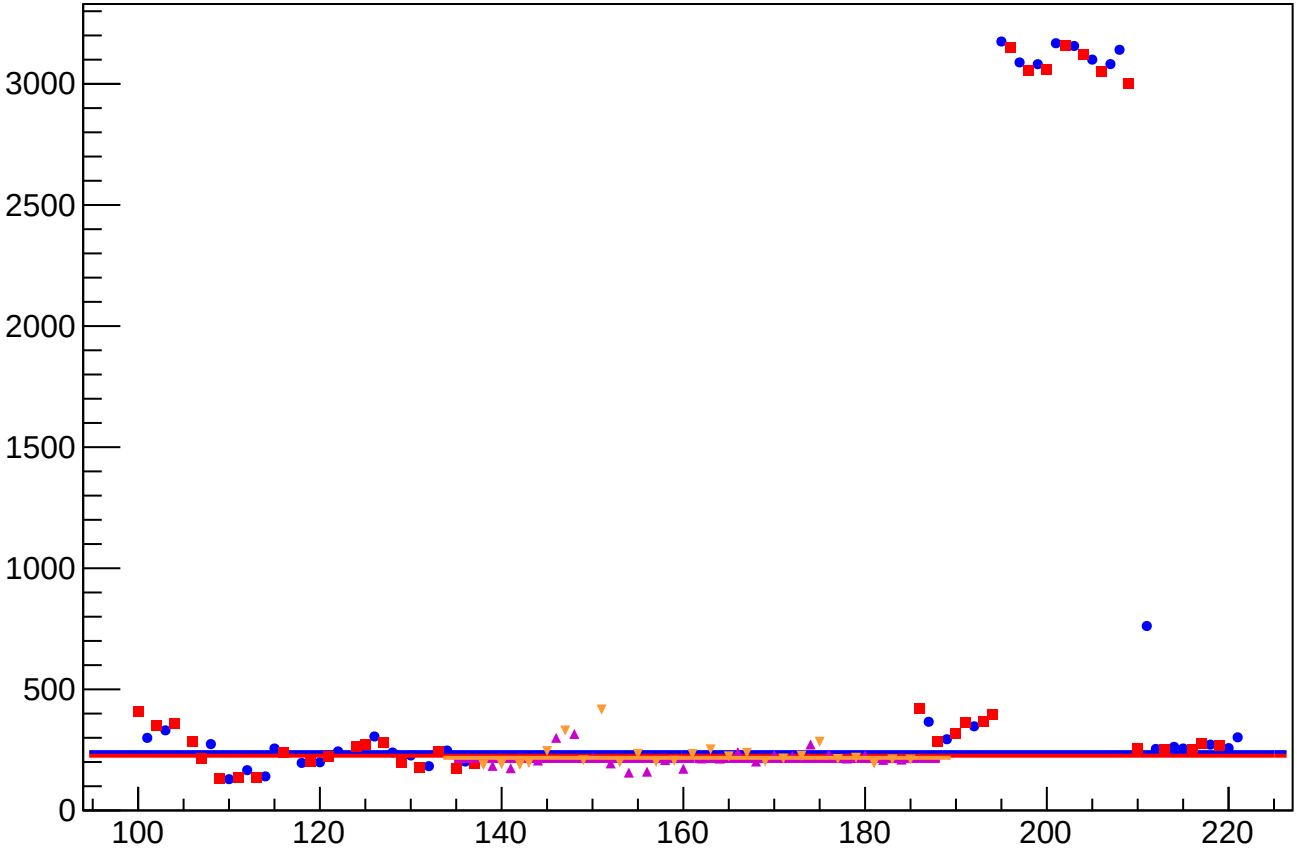
Right: 408.748+/-43.674 χ^2/NDF: 9676.3/70

In: -3.154+/-38.892 χ^2/NDF:3945.7/56

Out: 1025.902+/-38.670 χ^2/NDF:8585.3/61

All: 514.321+/-27.422 χ^2/NDF: 12883.1/118

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: 226.056+/-0.043 χ^2/NDF: 13280464.8/36

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

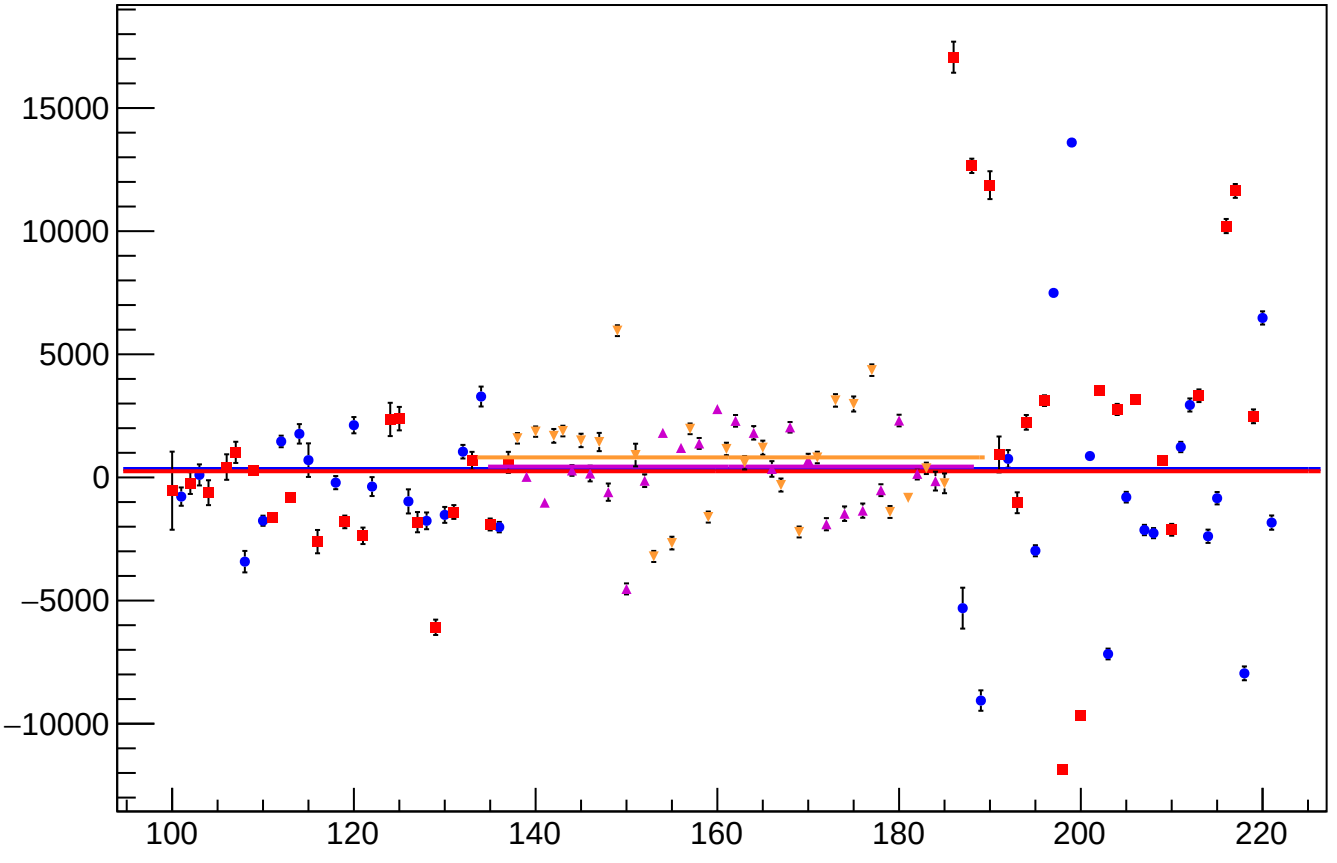
Right: 233.037+/-0.031 χ^2/NDF: 26841959.7/70

In: 217.993+/-0.028 χ^2/NDF:14932728.2/56

Out: 220.876+/-0.027 χ^2/NDF:14216208.3/61

All: 219.443+/-0.019 χ^2/NDF: 29154464.5/1

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: 251.206+/-46.087 χ^2/NDF: 14037.6/36

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

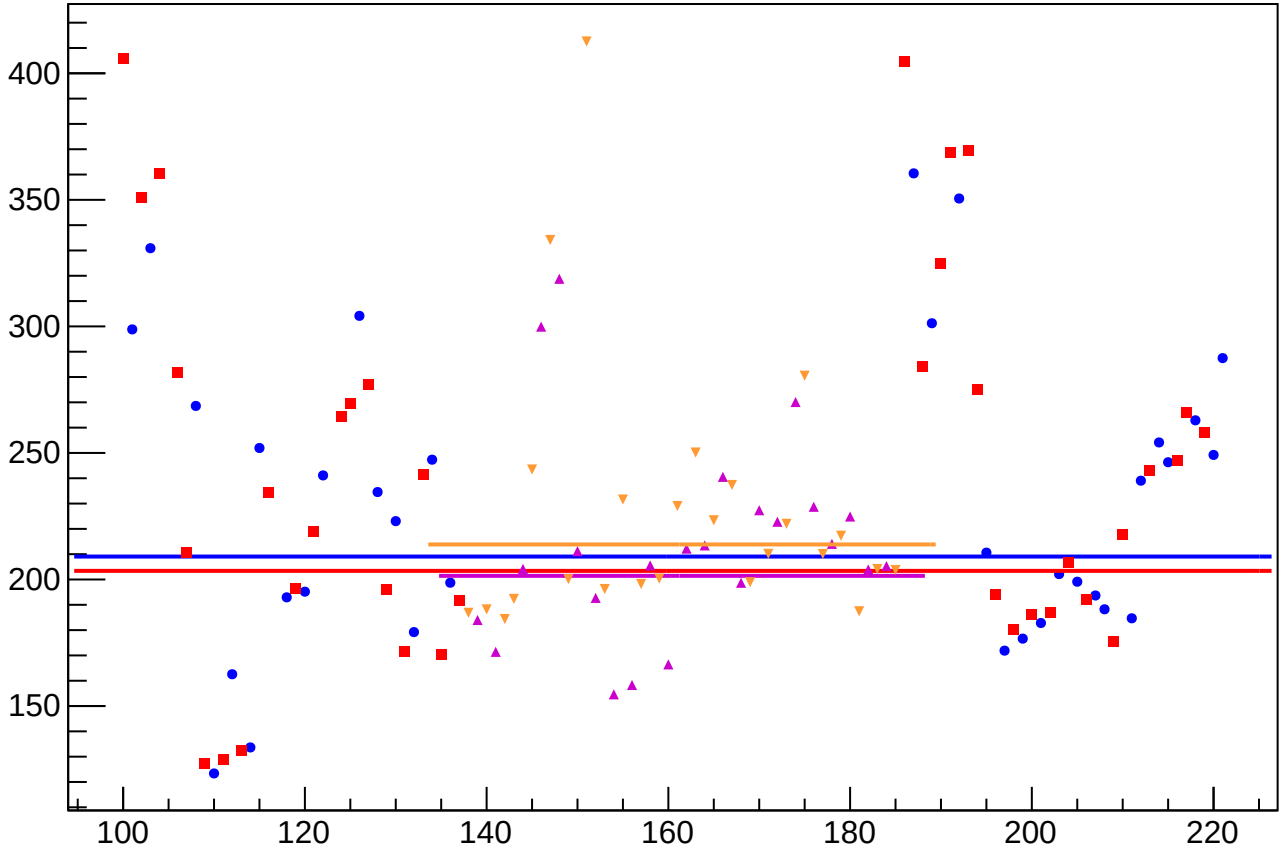
Right: 296.916+/-32.619 χ^2/NDF: 24848.2/70

In: 388.826+/-33.454 χ^2/NDF:12045.7/56

Out: 511.194+/-33.812 χ^2/NDF:16106.9/61

All: 449.358+/-23.781 χ^2/NDF: 28159.2/118

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: 203.407+/-0.033 χ^2/NDF: 2978852.4/36

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

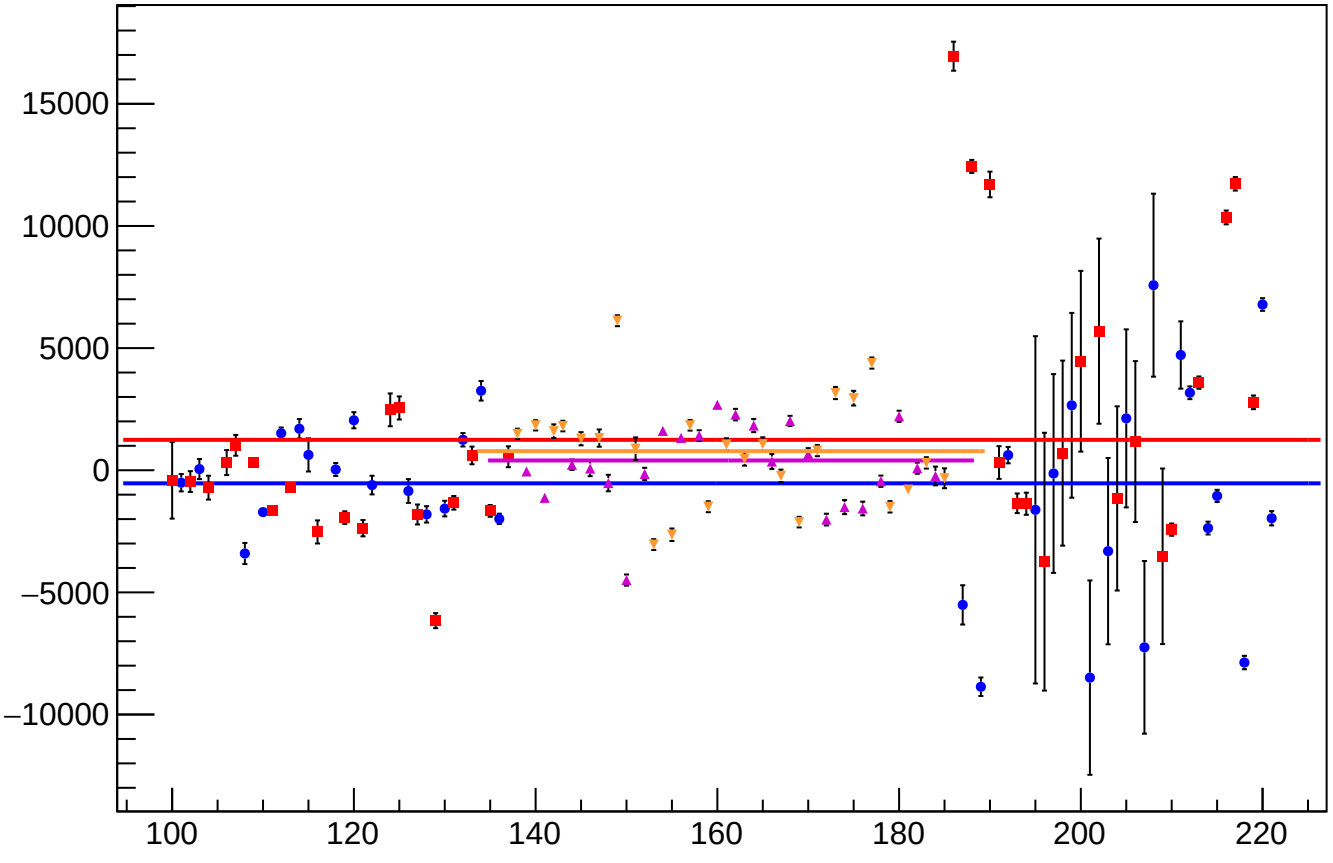
Right: 206.232+/-0.023 χ^2/NDF: 5079270.8/70

In: 205.446+/-0.024 χ^2/NDF:3173226.2/56

Out: 208.228+/-0.024 χ^2/NDF:3989828.9/61

All: 206.822+/-0.017 χ^2/NDF: 7169896.7/118

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: 1244.513+/-57.386 χ^2/NDF: 7329.3/36

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

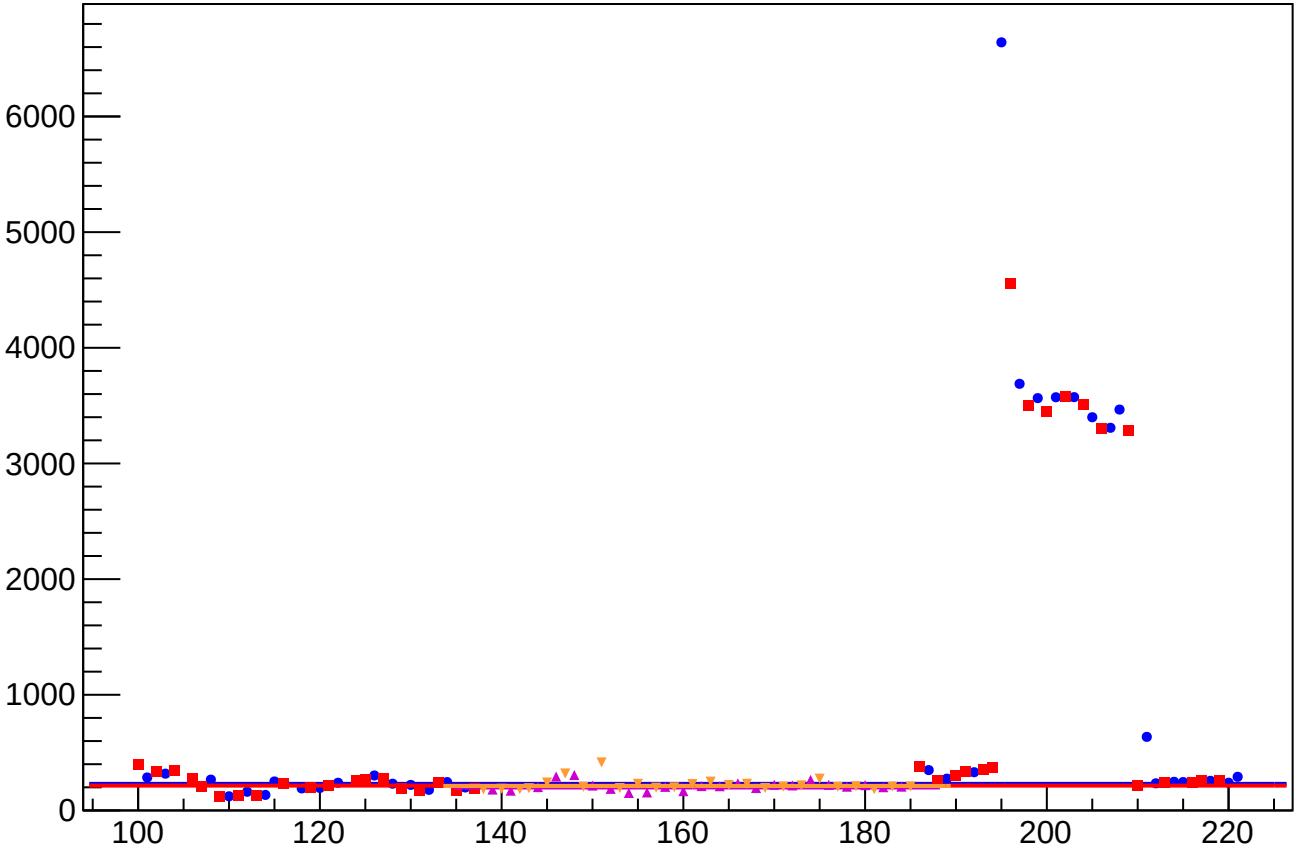
Right: 409.348+/-41.815 χ^2/NDF: 10595.1/70

In: 43.990+/-37.647 χ^2/NDF:4191.8/56

Out: 978.164+/-37.351 χ^2/NDF:9367.9/61

All: 514.762+/-26.515 χ^2/NDF: 13870.1/118

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: 214.722+/-0.041 χ^2/NDF: 13549082.9/36

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

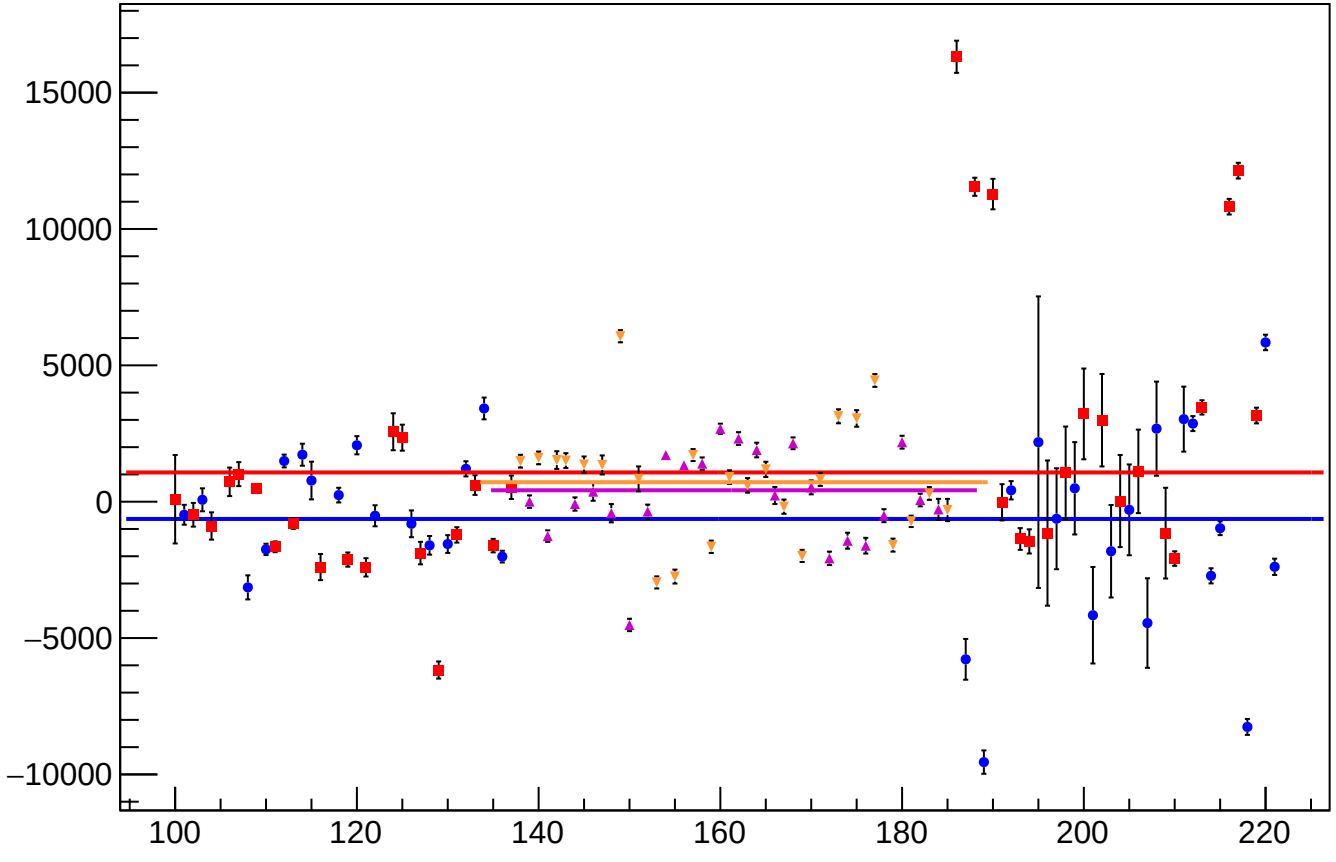
Right: 221.850+/-0.030 χ^2/NDF: 27495660.9/70

In: 210.460+/-0.027 χ^2/NDF:15214999.0/56

Out: 212.863+/-0.026 χ^2/NDF:14487705.5/61

All: 211.671+/-0.019 χ^2/NDF: 29706808.6/11

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: 1072.718+/-58.938 χ^2/NDF: 6378.6/36

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

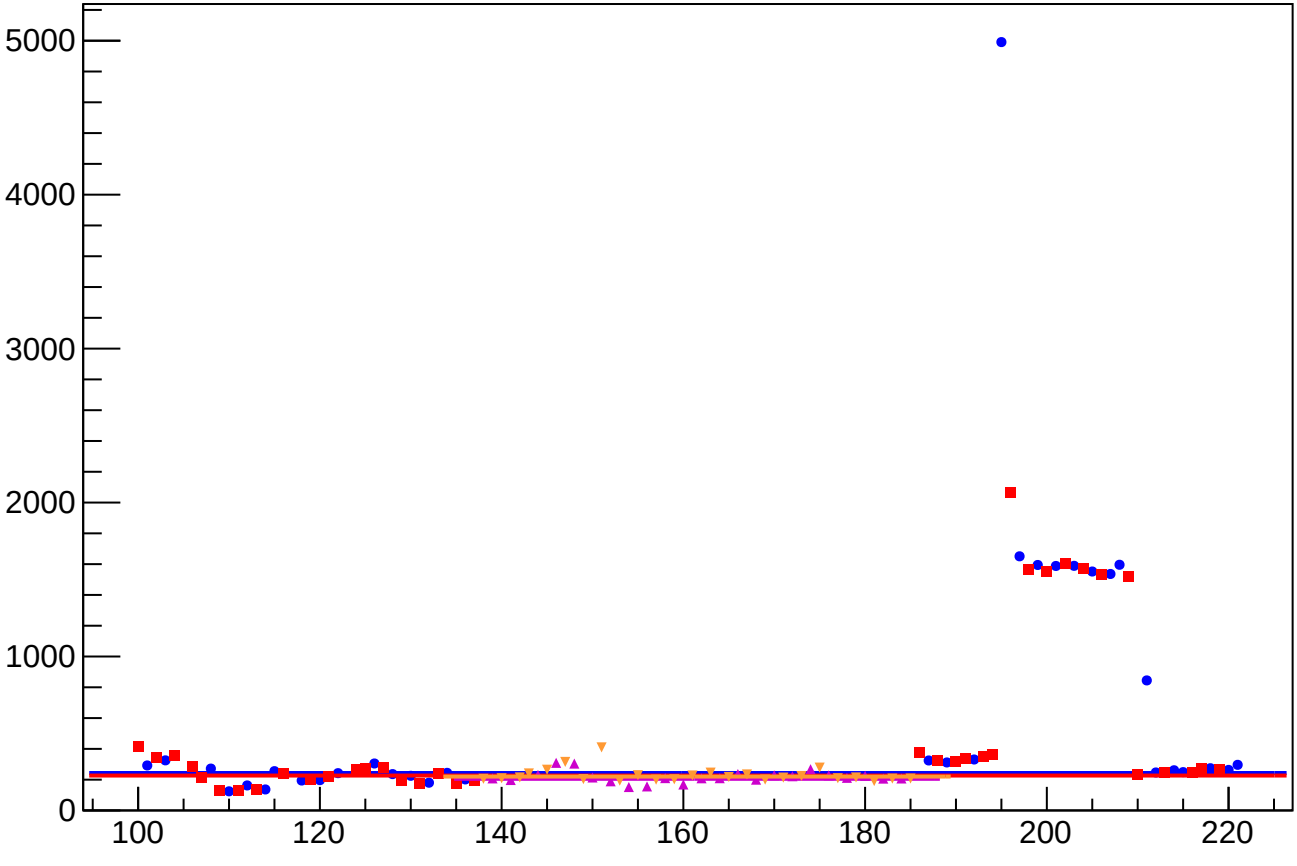
Right: 269.034+/-42.861 χ^2/NDF: 9201.4/70

In: 12.495+/-38.802 χ^2/NDF:3843.2/56

Out: 868.909+/-38.613 χ^2/NDF:8317.6/61

All: 442.787+/-27.370 χ^2/NDF: 12405.5/118

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: 226.756+/-0.042 χ^2/NDF: 11718185.6/36

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

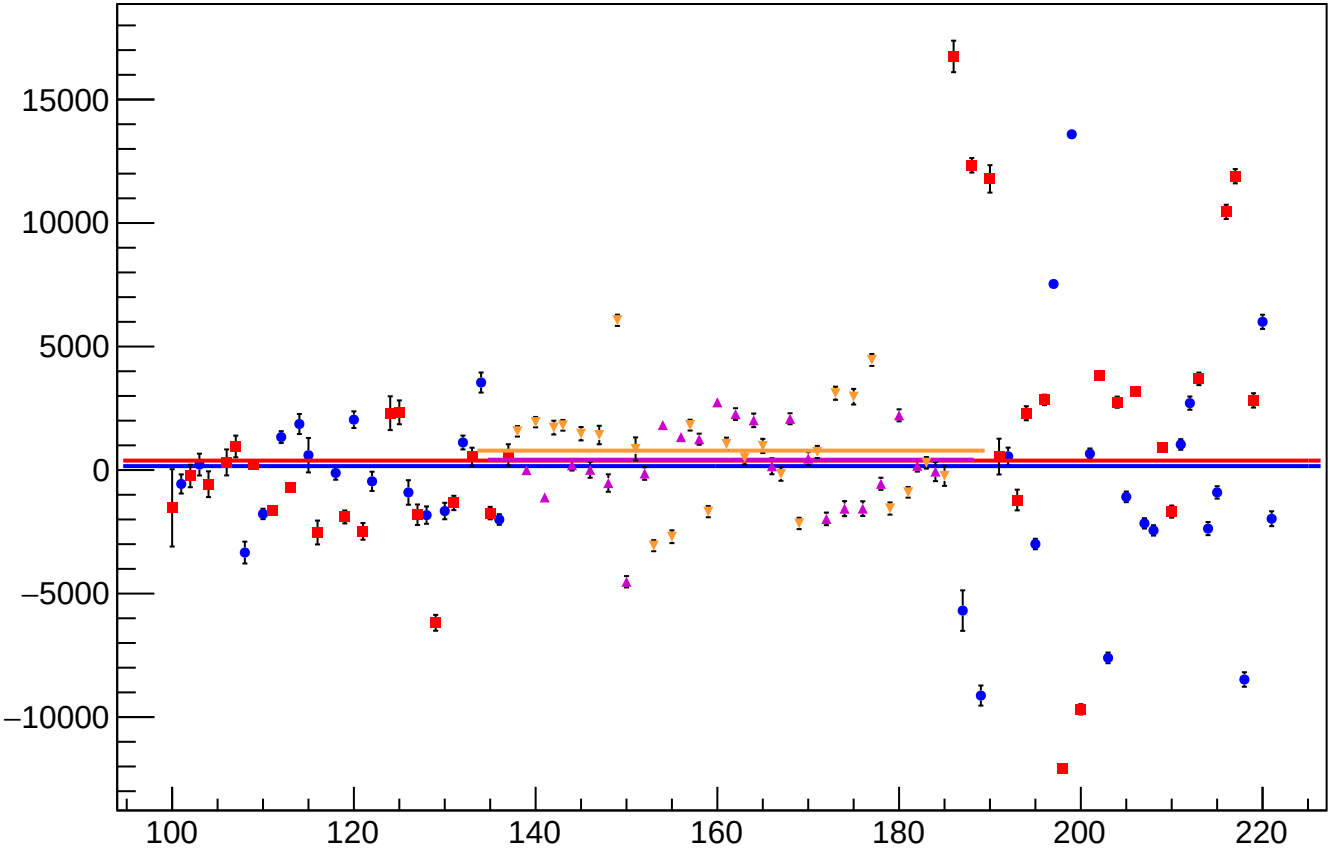
Right: 234.491+/-0.030 χ^2/NDF: 24221891.6/70

In: 220.035+/-0.027 χ^2/NDF:13891893.0/56

Out: 222.982+/-0.027 χ^2/NDF:12532246.1/61

All: 221.516+/-0.019 χ^2/NDF: 26429935.8/11

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: 382.623+/-46.831 χ^2/NDF: 13664.0/36

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

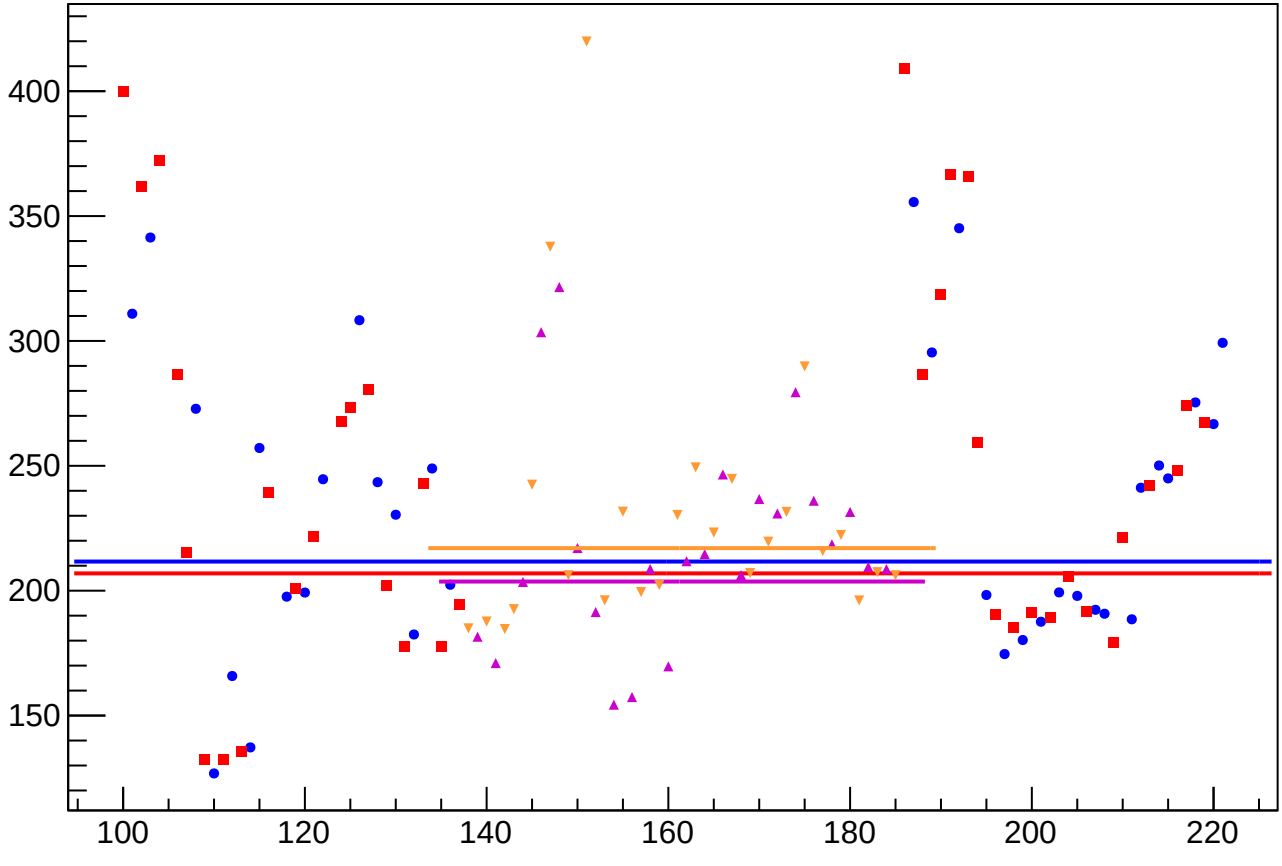
Right: 270.875+/-33.092 χ^2/NDF: 24333.8/70

In: 282.682+/-33.881 χ^2/NDF:11884.1/56

Out: 569.457+/-34.346 χ^2/NDF:15636.0/61

All: 424.116+/-24.120 χ^2/NDF: 27555.4/118

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: 206.928+/-0.033 χ^2/NDF: 2822622.0/36

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

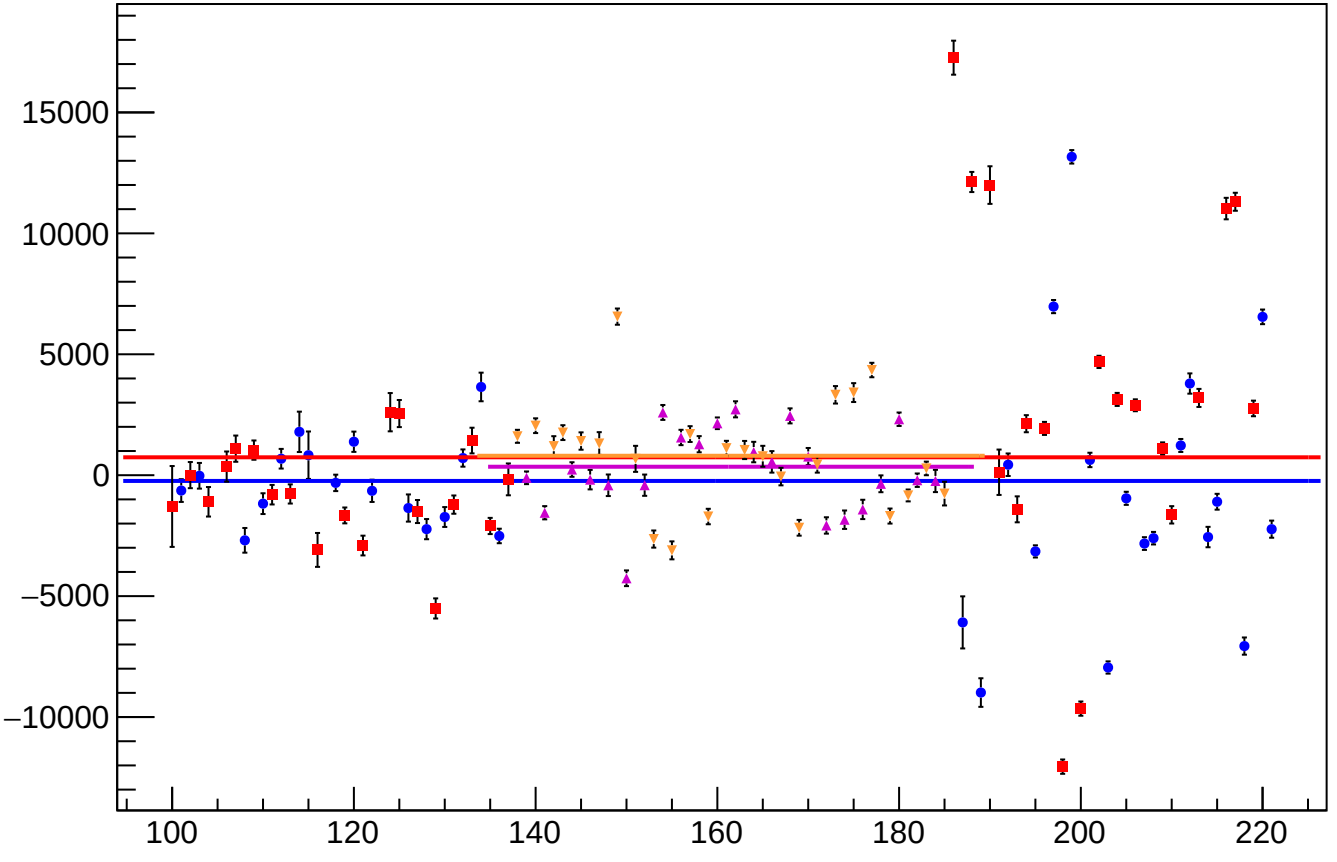
Right: 209.301+/-0.023 χ^2/NDF: 4916963.4/70

In: 207.863+/-0.024 χ^2/NDF:3277279.6/56

Out: 211.601+/-0.024 χ^2/NDF:3848885.3/61

All: 209.706+/-0.017 χ^2/NDF: 7138171.2/118

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: 740.008+/-64.284 χ^2/NDF: 7118.9/36

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

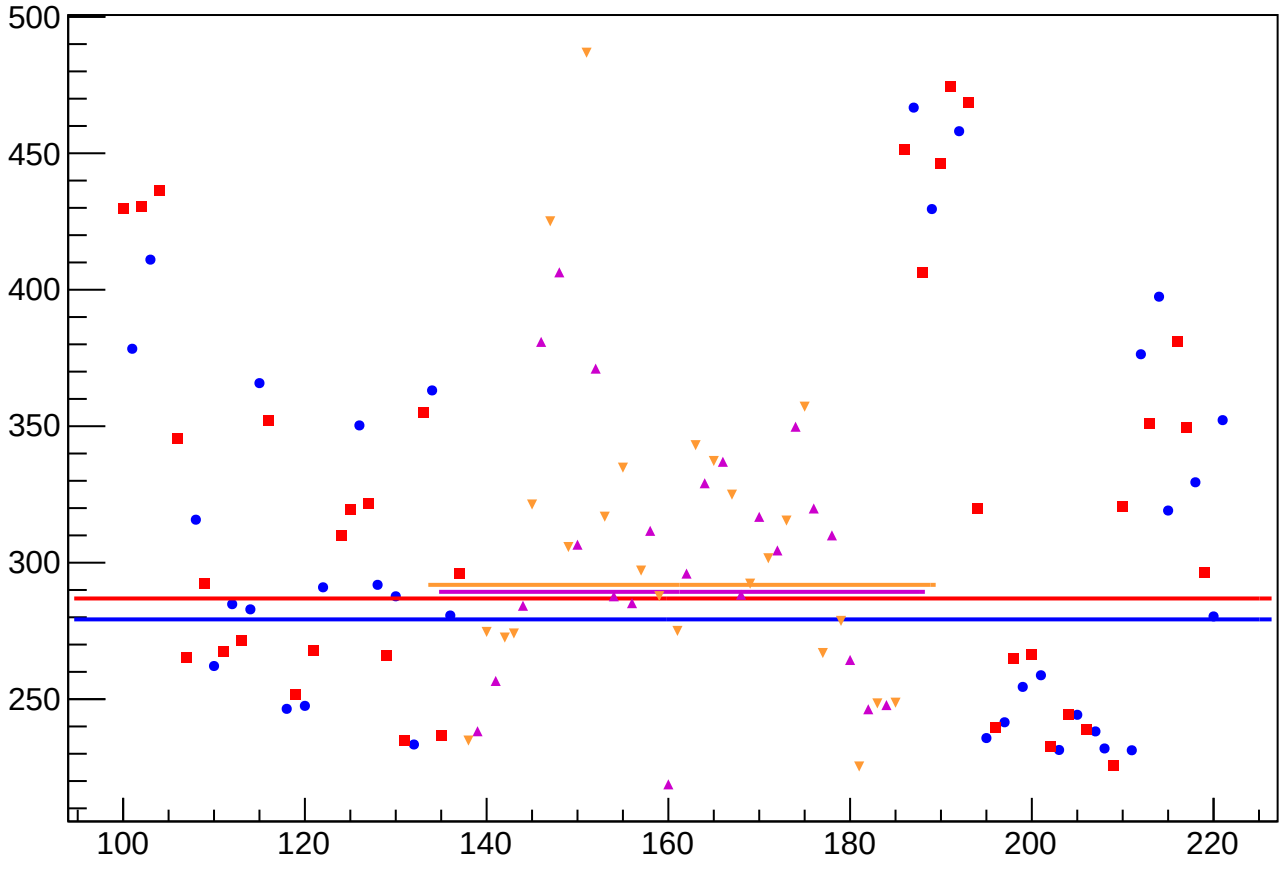
Right: 230.988+/-44.496 χ^2/NDF: 13022.9/70

In: 23.581+/-45.969 χ^2/NDF:6480.0/56

Out: 770.234+/-46.614 χ^2/NDF:8177.0/61

All: 391.707+/-32.731 χ^2/NDF: 14787.1/118

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: 286.888+/-0.045 χ^2/NDF: 1811983.5/36

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

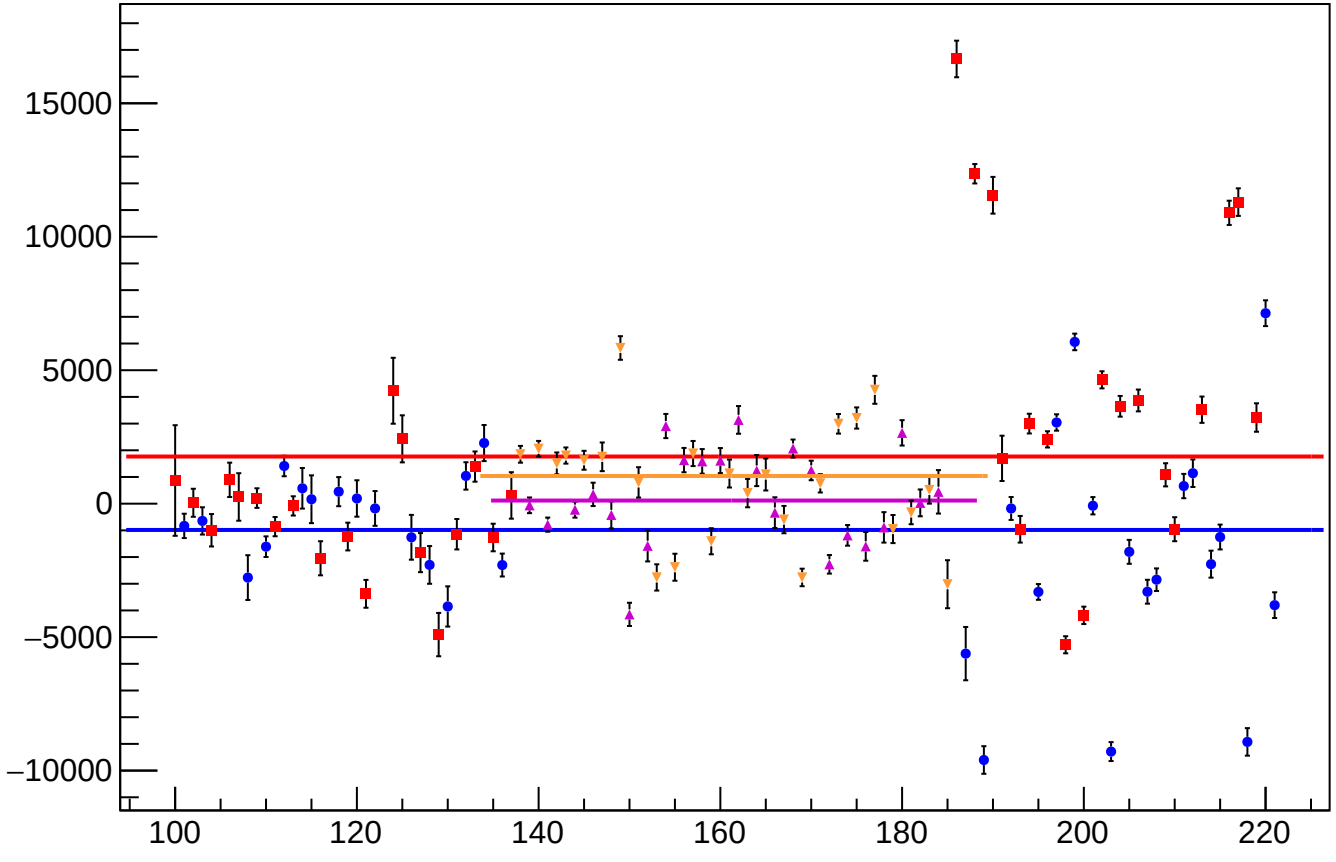
Right: 282.897+/-0.031 χ^2/NDF: 3518054.3/70

In: 283.709+/-0.033 χ^2/NDF:2523685.2/56

Out: 289.256+/-0.033 χ^2/NDF:2777626.8/61

All: 286.444+/-0.023 χ^2/NDF: 5315671.5/118

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: 1766.574+/-78.349 χ^2/NDF: 3782.5/36

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

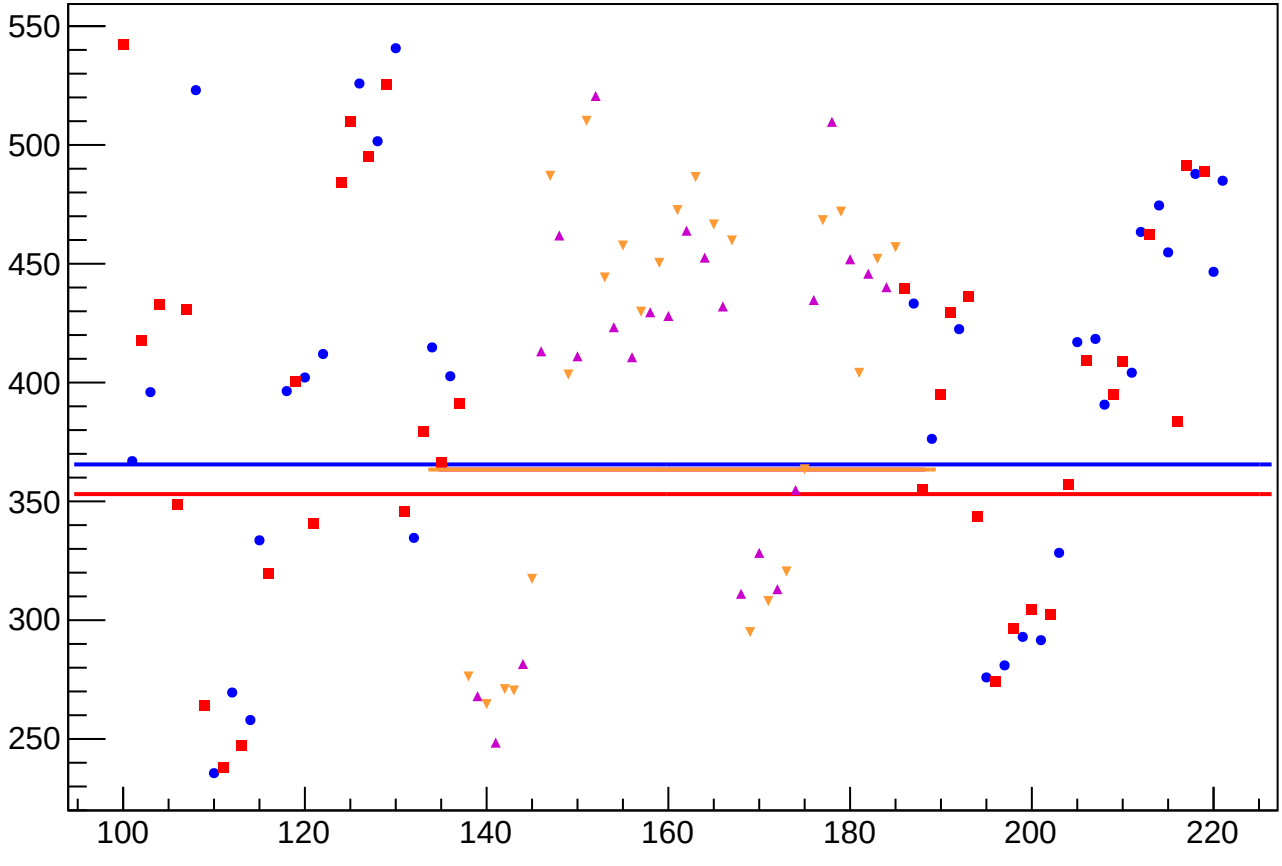
Right: 420.468+/-55.989 χ^2/NDF: 6763.9/70

In: -482.288+/-59.046 χ^2/NDF:2834.8/56

Out: 1432.449+/-57.671 χ^2/NDF:4392.4/61

All: 497.633+/-41.257 χ^2/NDF: 7765.4/118

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: 353.055+/-0.055 χ^2/NDF: 1747123.6/36

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

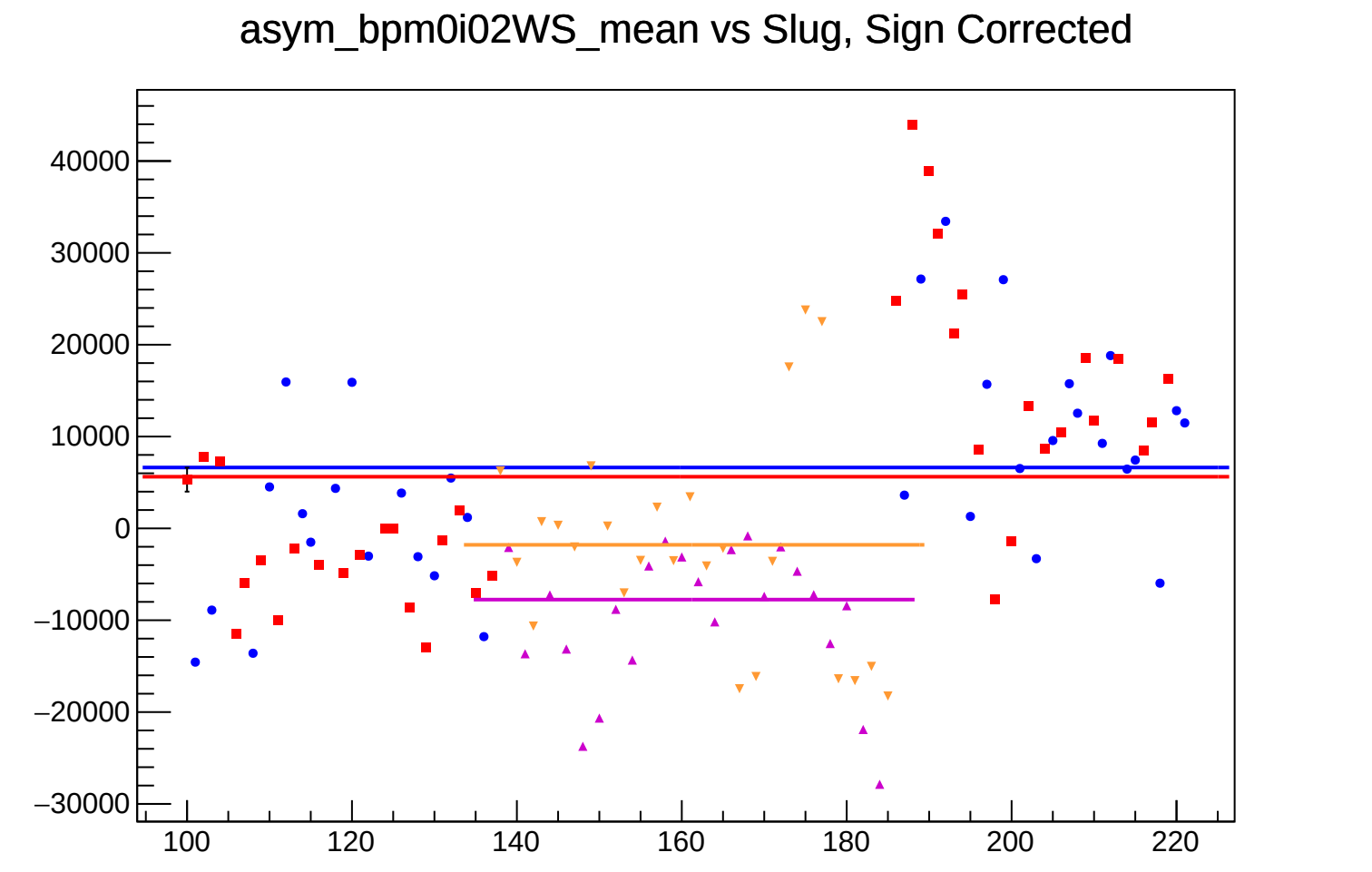
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 359.168+/-0.040 χ^2/NDF: 3775973.7/70

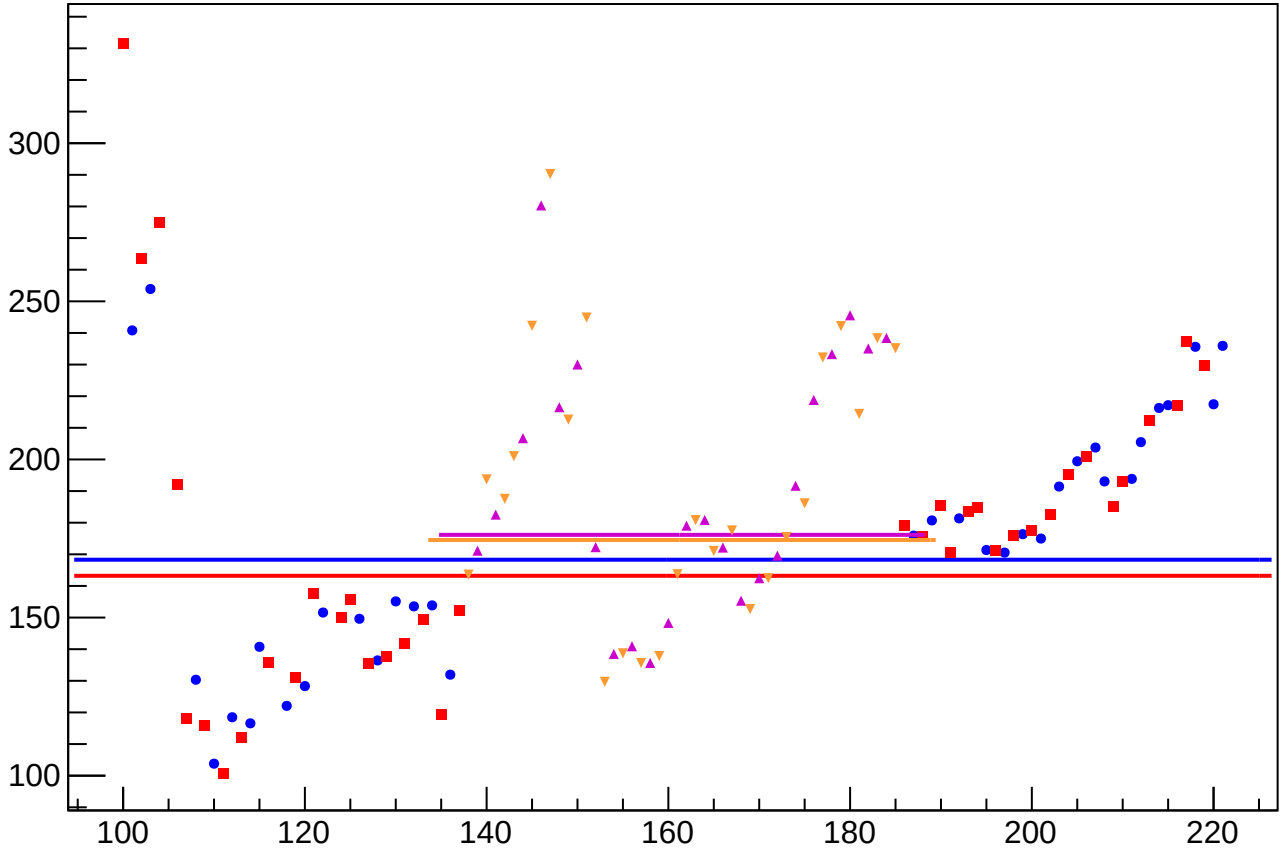
In: 364.563+/-0.042 χ^2/NDF:3716226.7/56

Out: 357.789+/-0.041 χ^2/NDF:3703557.8/61

All: 361.096+/-0.029 χ^2/NDF: 7433258.3/118


asym_bpm0i02WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 6630.436+/-37.092 χ²/NDF: 100296.4/33
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: 5625.025+/-36.486 χ²/NDF: 149627.3/36
Left In: -7754.468+/-42.571 χ²/NDF:23278.0/22
Left: -4653.749+/-29.498 χ²/NDF: 99228.2/47
Right: 6119.449+/-26.011 χ²/NDF: 250297.0/70
In: 422.744+/-27.966 χ²/NDF:188479.9/56
Out: 2339.882+/-27.230 χ²/NDF:233672.6/61
All: 1406.876+/-19.509 χ²/NDF: 424565.0/11

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: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

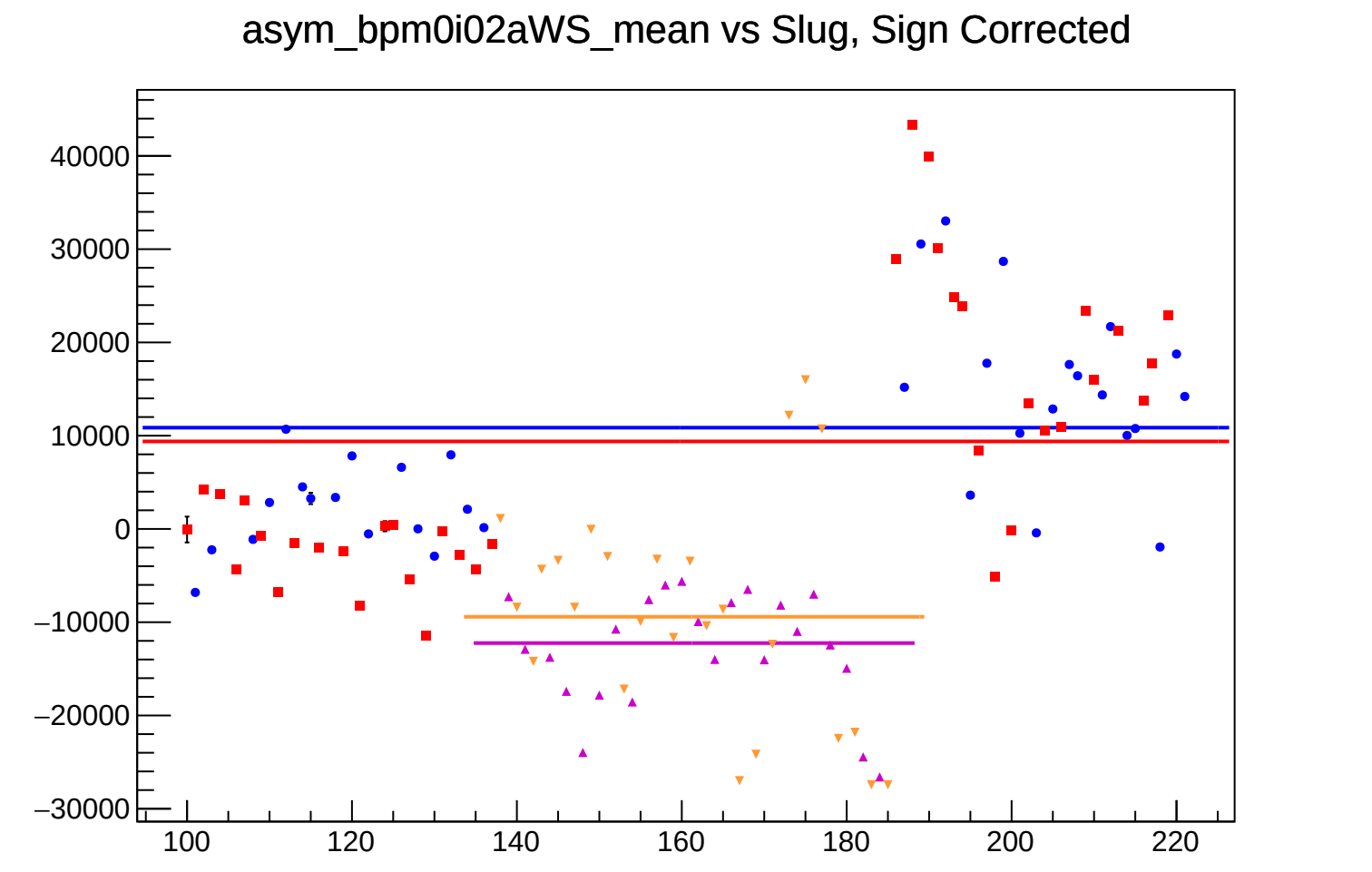
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 165.709+/-0.018 χ^2/NDF: 4367396.7/70

In: 171.688+/-0.020 χ^2/NDF:3492093.3/56

Out: 168.219+/-0.019 χ^2/NDF:4006629.7/61

All: 169.907+/-0.014 χ^2/NDF: 7514519.6/118



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: 9384.487+/-39.797 χ^2/NDF: 122918.9/36

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

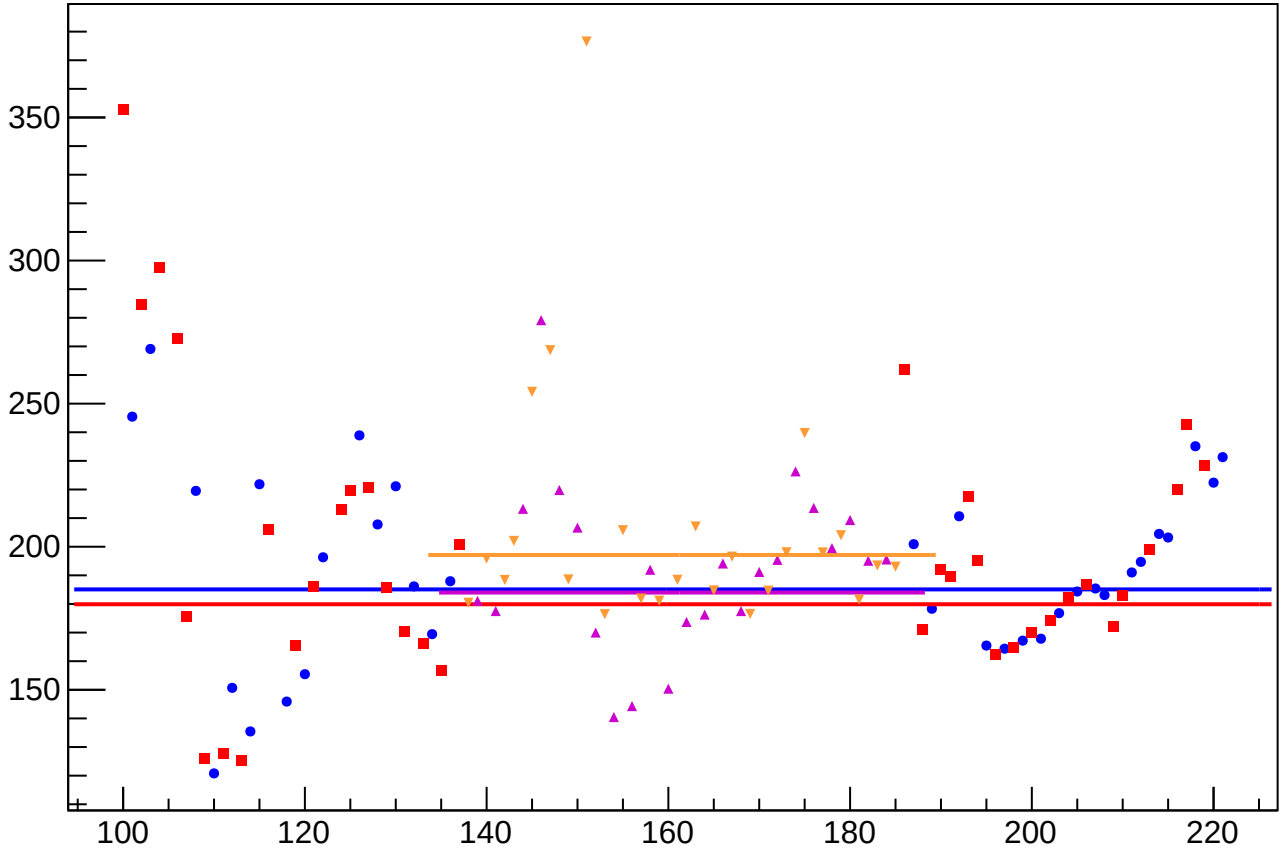
Right: 10115.942+/-28.276 χ^2/NDF: 184269.8/70

In: 407.440+/-29.731 χ^2/NDF:226249.0/56

Out: 1273.843+/-30.012 χ^2/NDF:283935.2/61

All: 836.570+/-21.122 χ^2/NDF: 510604.8/118

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: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

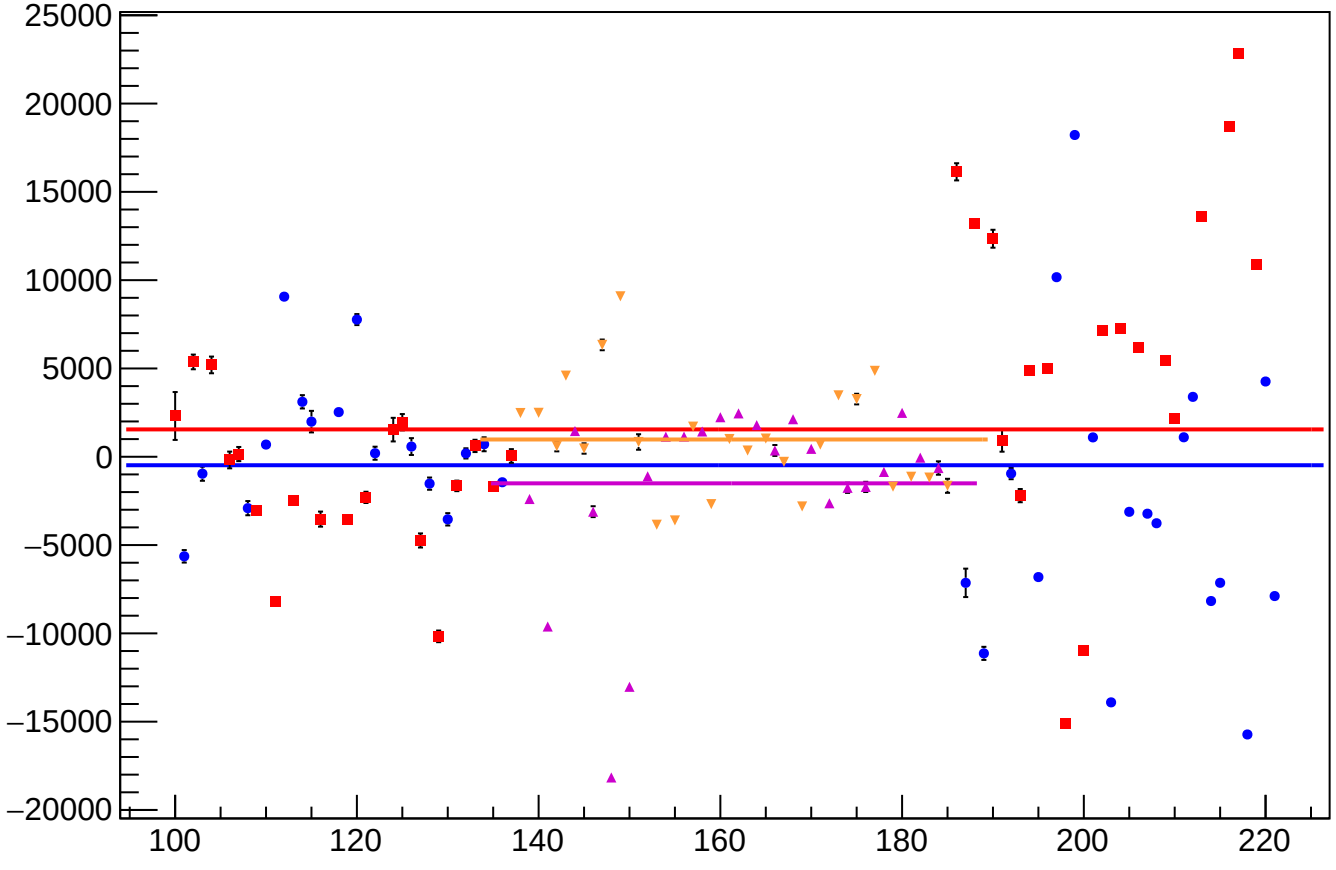
Right: 182.467+/-0.020 χ^2/NDF: 2576317.1/70

In: 184.588+/-0.021 χ^2/NDF:1892763.9/56

Out: 187.327+/-0.021 χ^2/NDF:2391302.7/61

All: 185.944+/-0.015 χ^2/NDF: 4292470.7/118

asym_bpm0i05WS_mean vs Slug, Sign Corrected



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: 1549.058+/-44.720 χ^2/NDF: 36556.9/36

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

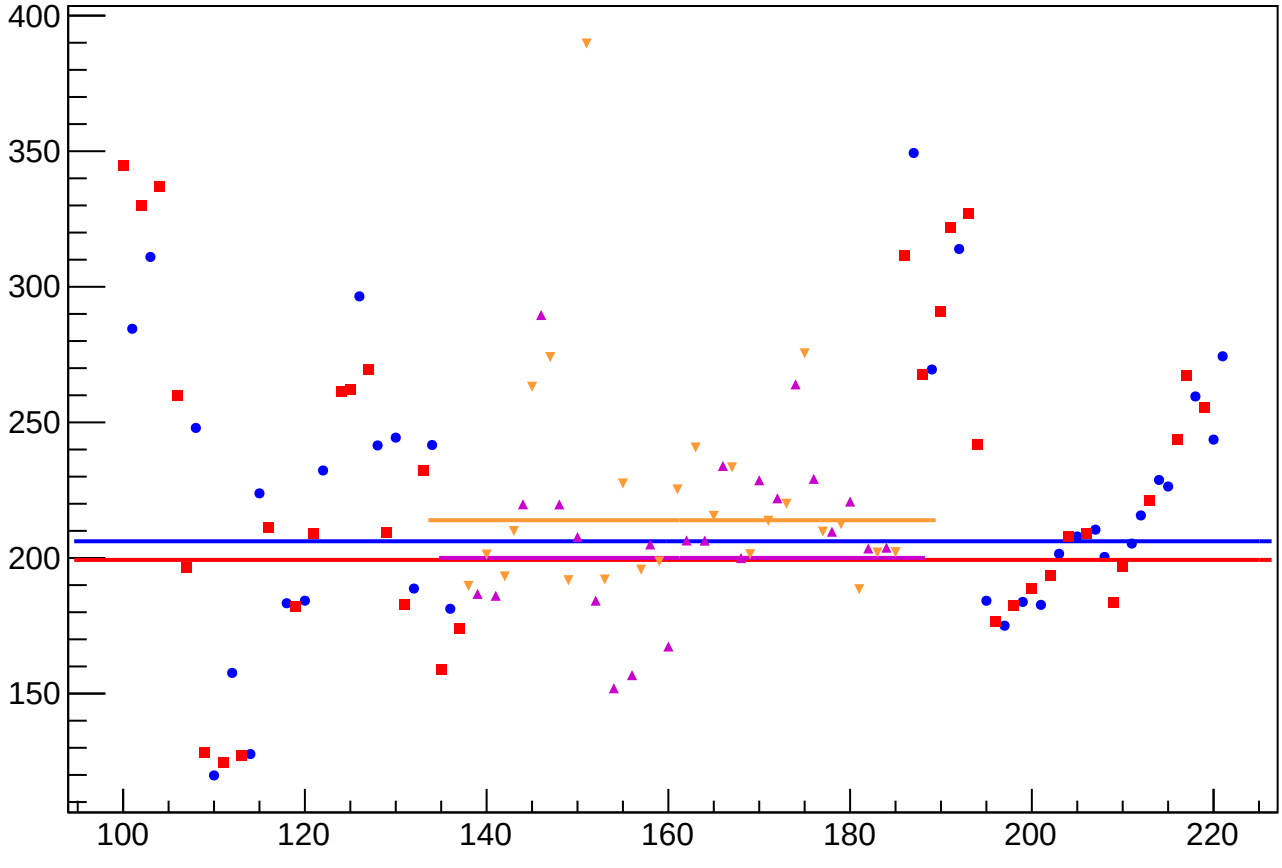
Right: 544.087+/-31.768 χ^2/NDF: 65611.7/70

In: -960.406+/-32.899 χ^2/NDF:39757.8/56

Out: 1293.229+/-33.215 χ^2/NDF:40952.8/61

All: 155.622+/-23.374 χ^2/NDF: 83034.4/118

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: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

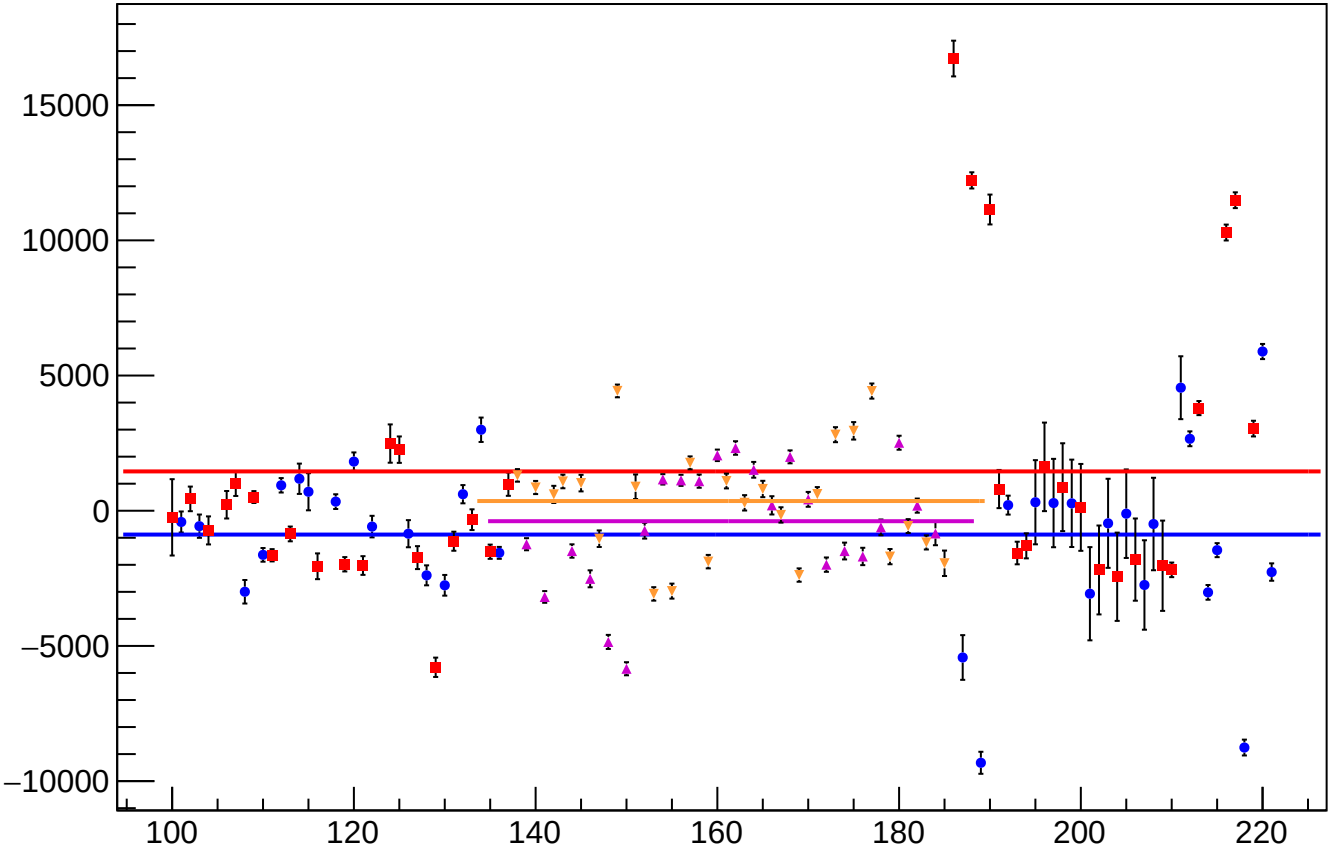
Right: 202.696+/-0.022 χ^2/NDF: 4349157.4/70

In: 203.290+/-0.023 χ^2/NDF:2576056.4/56

Out: 205.854+/-0.023 χ^2/NDF:3382279.4/61

All: 204.560+/-0.017 χ^2/NDF: 5964349.6/118

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: 1454.435+/-63.496 χ^2/NDF: 5922.8/36

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

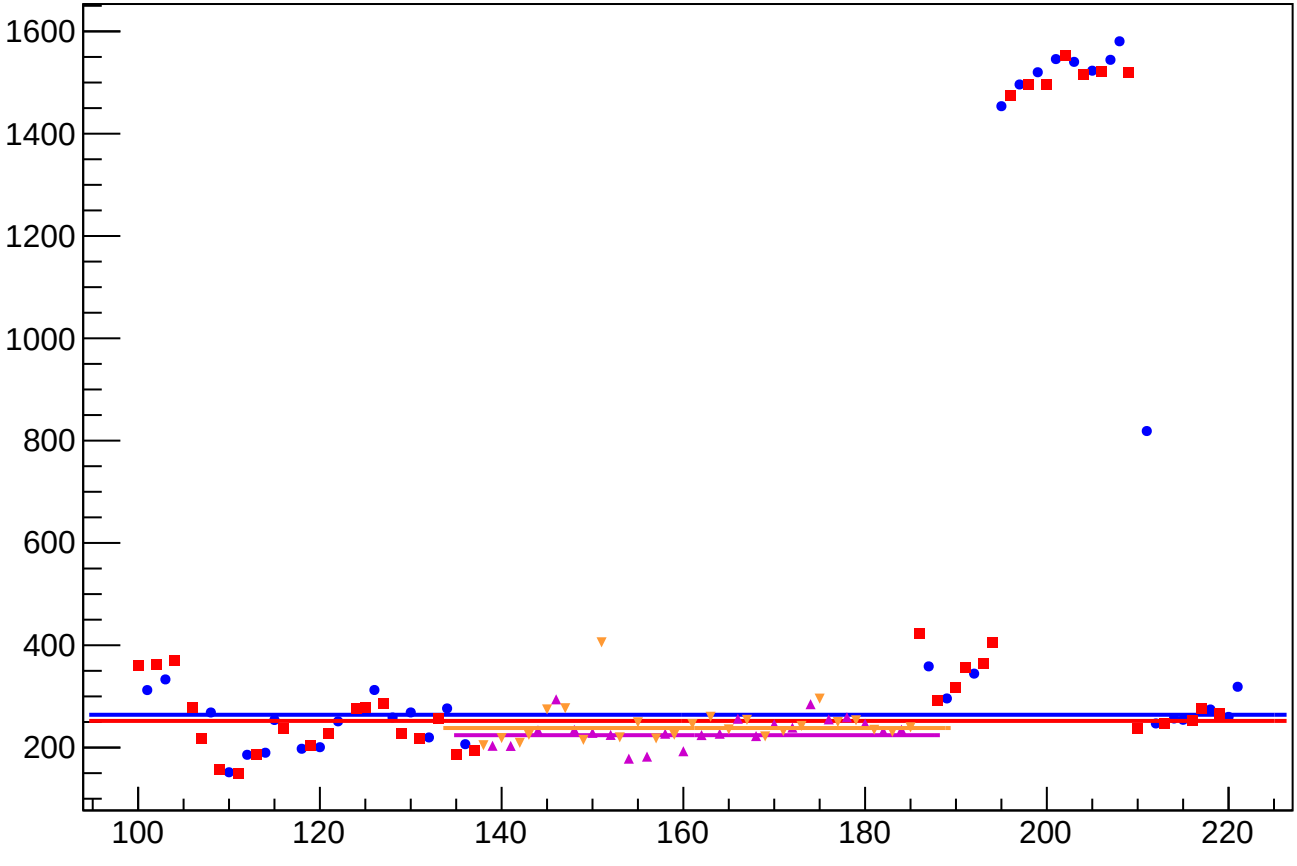
Right: 335.470+/-45.830 χ^2/NDF: 8951.4/70

In: -582.395+/-41.628 χ^2/NDF:4218.2/56

Out: 828.316+/-41.569 χ^2/NDF:7511.8/61

All: 123.967+/-29.415 χ^2/NDF: 12305.1/118

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: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

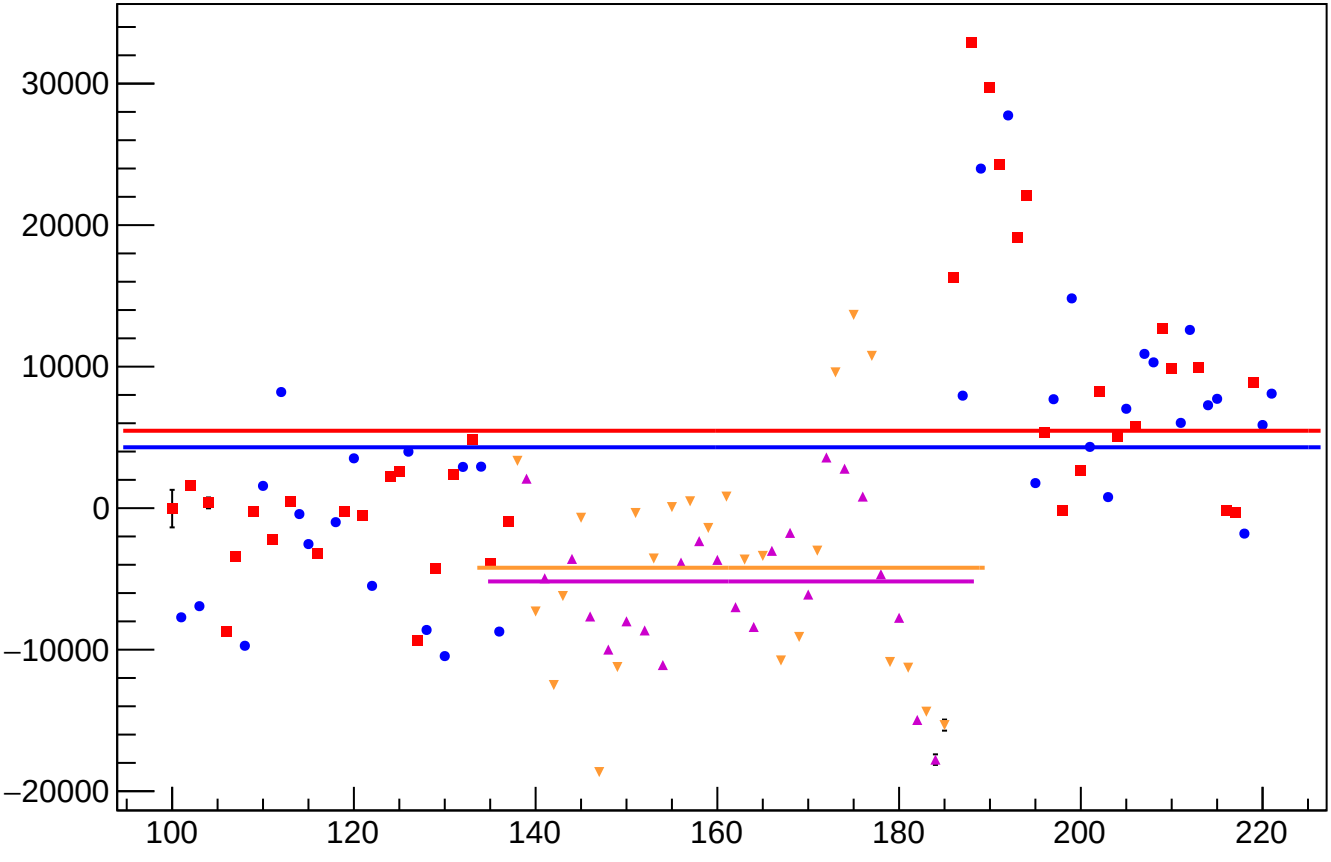
Right: 257.860+/-0.032 χ^2/NDF: 21710911.9/70

In: 239.983+/-0.029 χ^2/NDF:12128182.3/56

Out: 244.159+/-0.029 χ^2/NDF:11173728.0/61

All: 242.074+/-0.021 χ^2/NDF: 23311988.7/11

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: 5469.697+/-30.831 χ^2/NDF: 107507.6/36

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

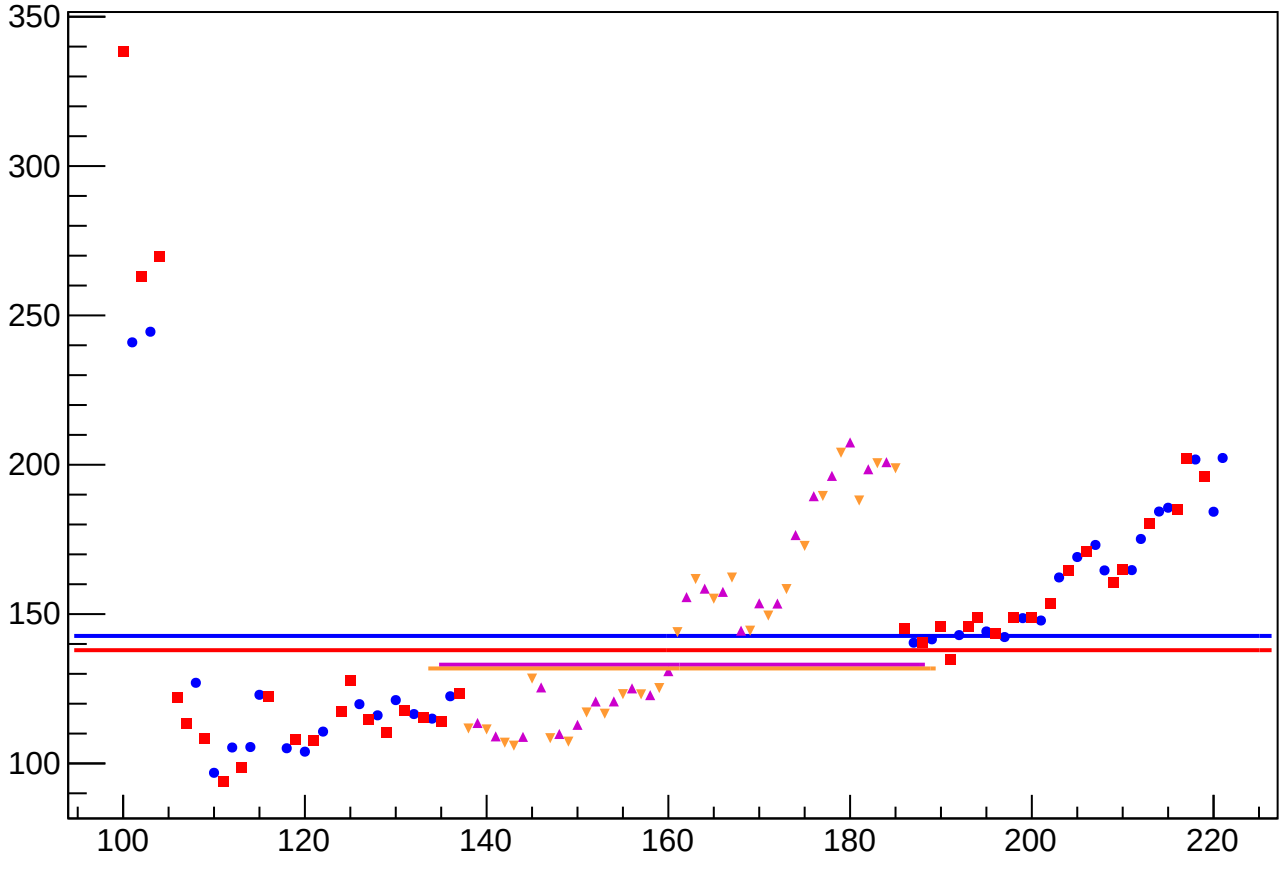
Right: 4898.819+/-22.038 χ^2/NDF: 191482.2/70

In: -369.863+/-22.443 χ^2/NDF:146417.8/56

Out: 629.125+/-21.800 χ^2/NDF:213606.3/61

All: 144.148+/-15.637 χ^2/NDF: 361043.5/118

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: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

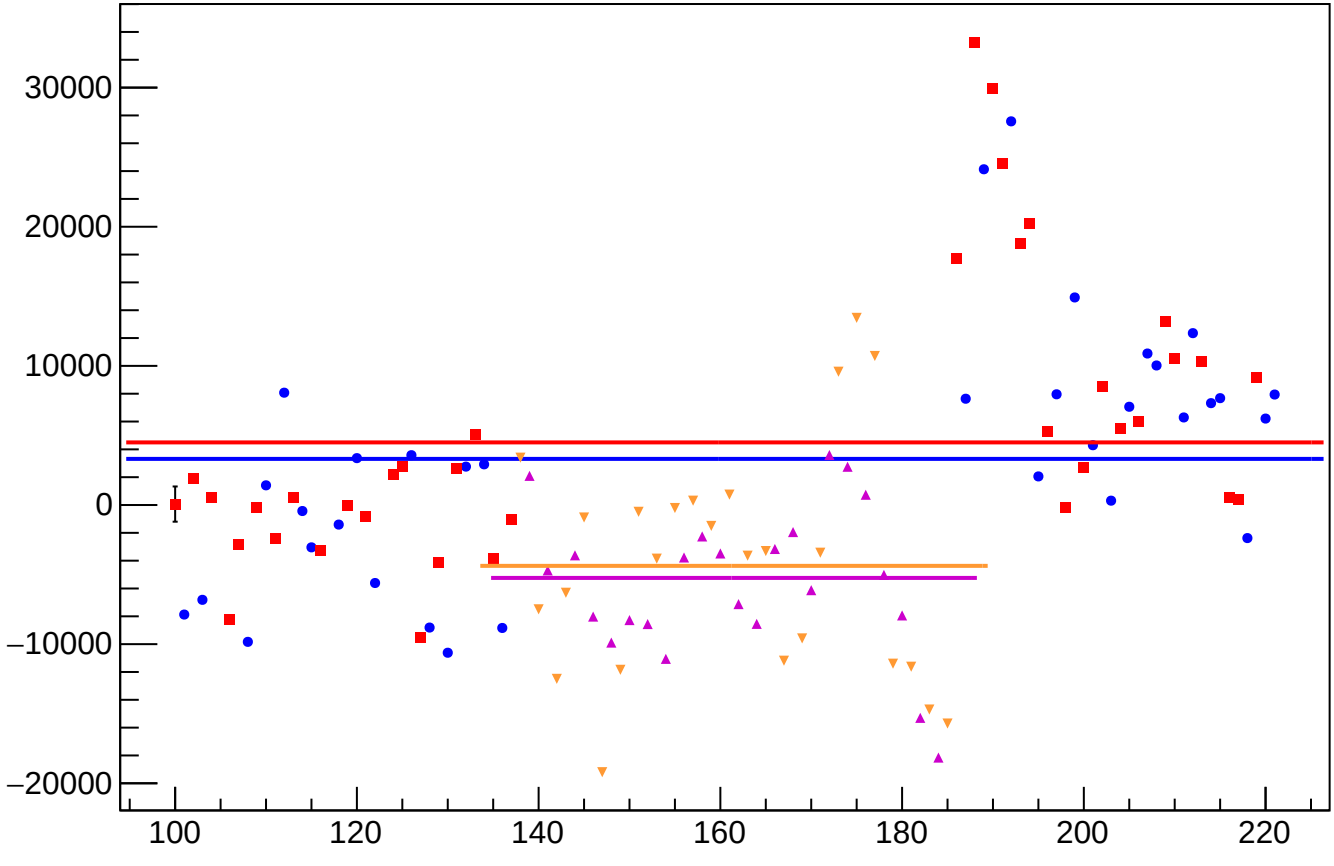
Right: 140.253+/-0.016 χ^2/NDF: 4273023.6/70

In: 137.945+/-0.016 χ^2/NDF:3622553.3/56

Out: 134.858+/-0.015 χ^2/NDF:3721086.6/61

All: 136.357+/-0.011 χ^2/NDF: 7363110.4/118

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: 4499.953+/-27.957 χ^2/NDF: 117613.1/36

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

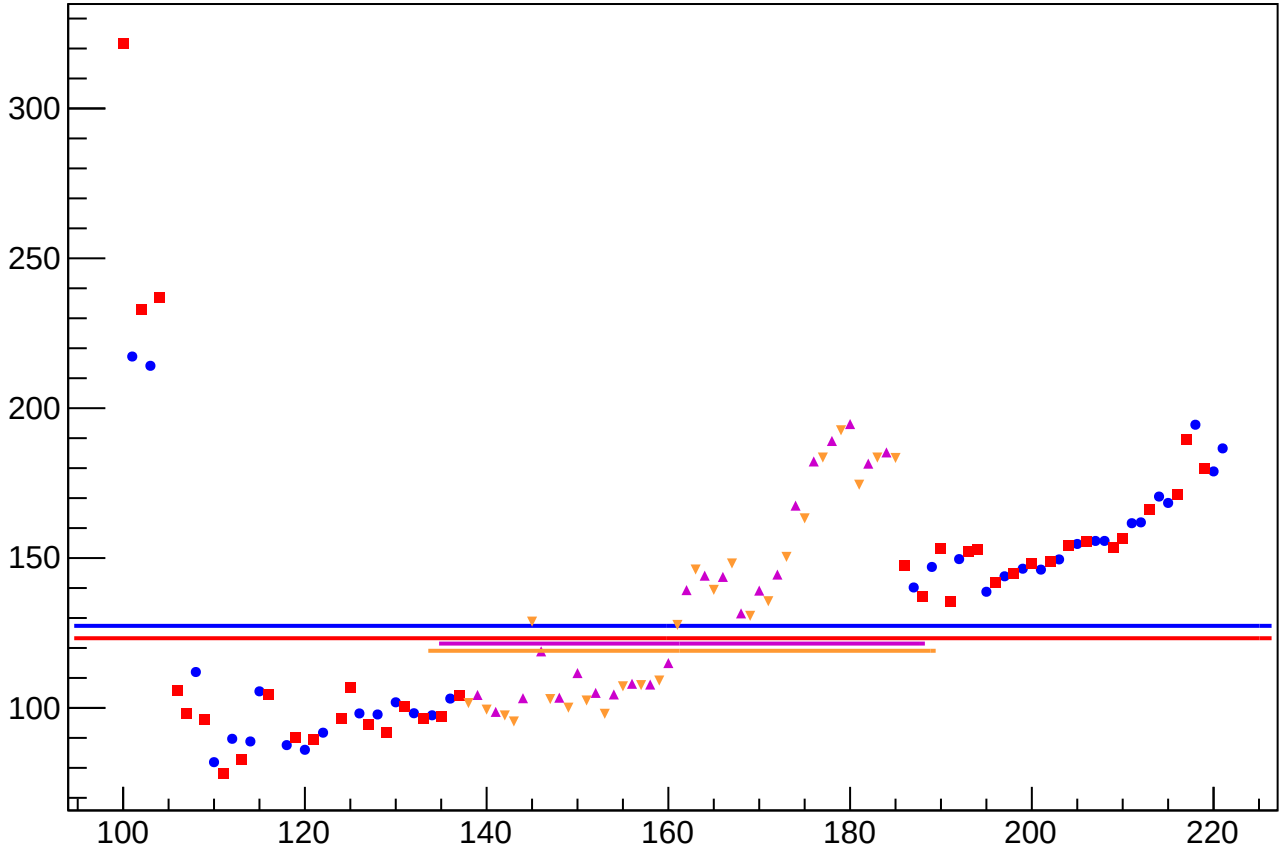
Right: 3919.192+/-19.962 χ^2/NDF: 213064.7/70

In: -852.802+/-20.417 χ^2/NDF:160705.8/56

Out: 63.345+/-19.768 χ^2/NDF:235196.6/61

All: -379.923+/-14.202 χ^2/NDF: 396941.6/11

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: 123.252+/-0.020 χ^2/NDF: 3129638.5/36

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

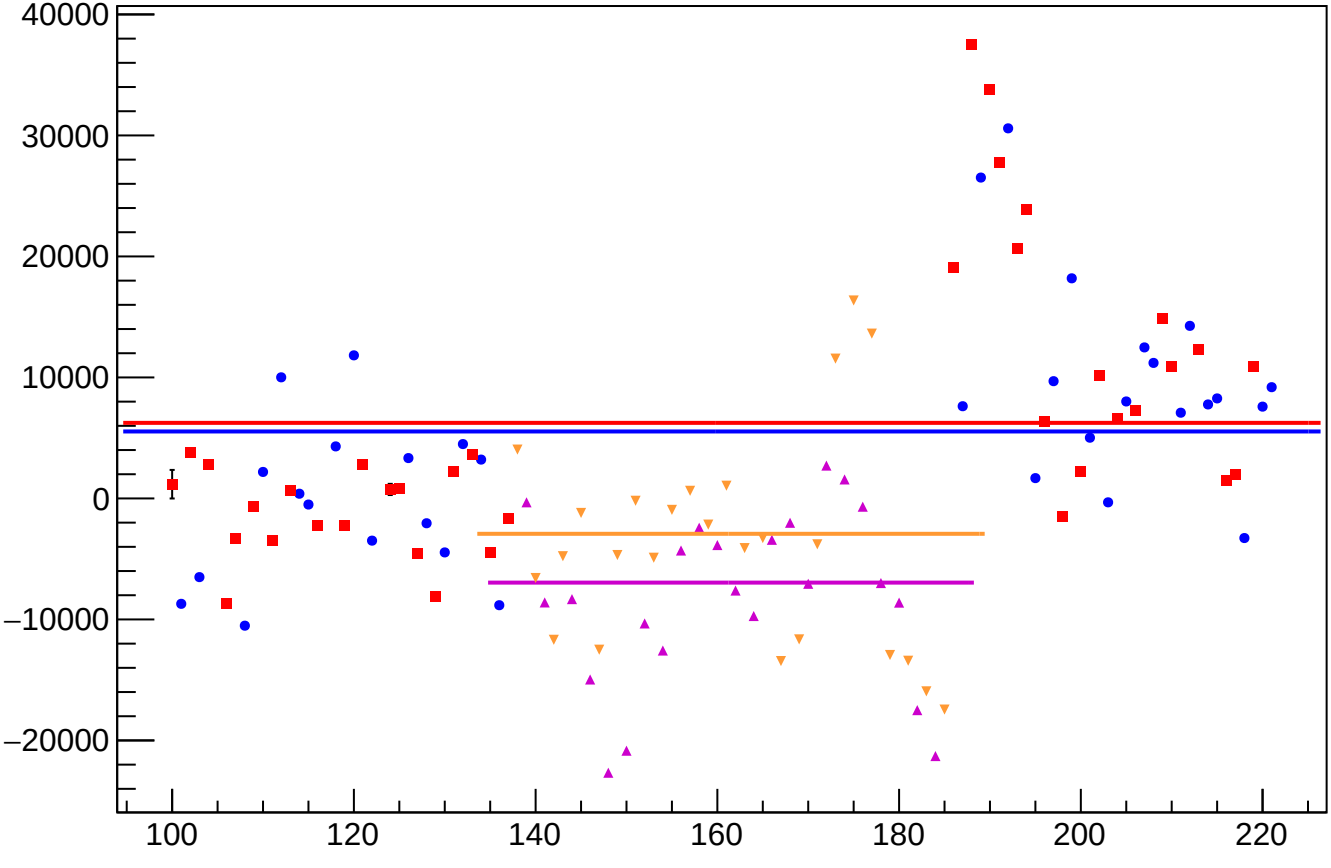
Right: 125.276+/-0.014 χ^2/NDF: 6217447.6/70

In: 124.500+/-0.014 χ^2/NDF:4637715.9/56

Out: 121.158+/-0.014 χ^2/NDF:4907506.0/61

All: 122.775+/-0.010 χ^2/NDF: 9572886.4/118

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: 6245.901+/-36.622 χ^2/NDF: 96419.2/36

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

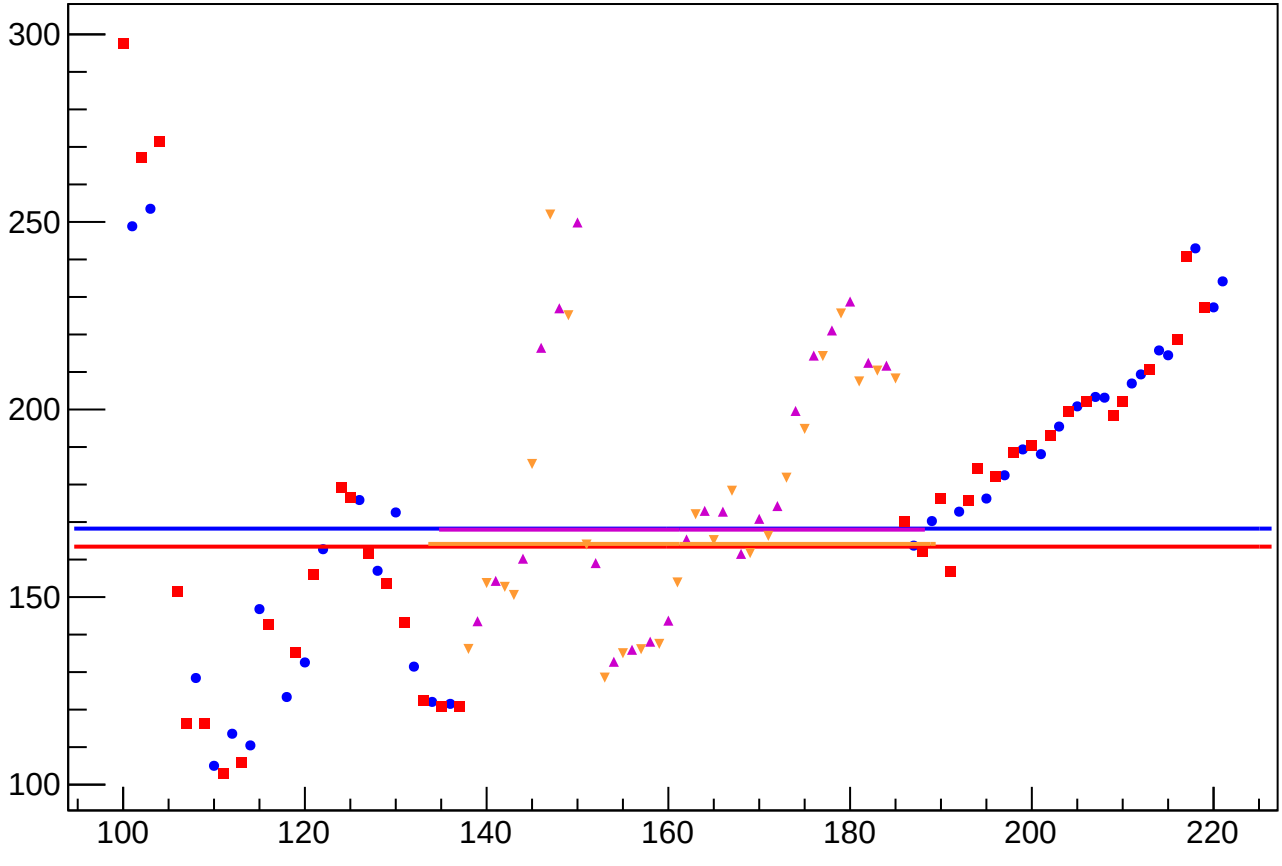
Right: 5896.025+/-26.109 χ^2/NDF: 163134.2/70

In: -226.166+/-27.330 χ^2/NDF:140777.6/56

Out: 1852.857+/-26.431 χ^2/NDF:164504.2/61

All: 848.104+/-18.999 χ^2/NDF: 308272.0/118

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: 163.446+/-0.026 χ^2/NDF: 2440322.0/36

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

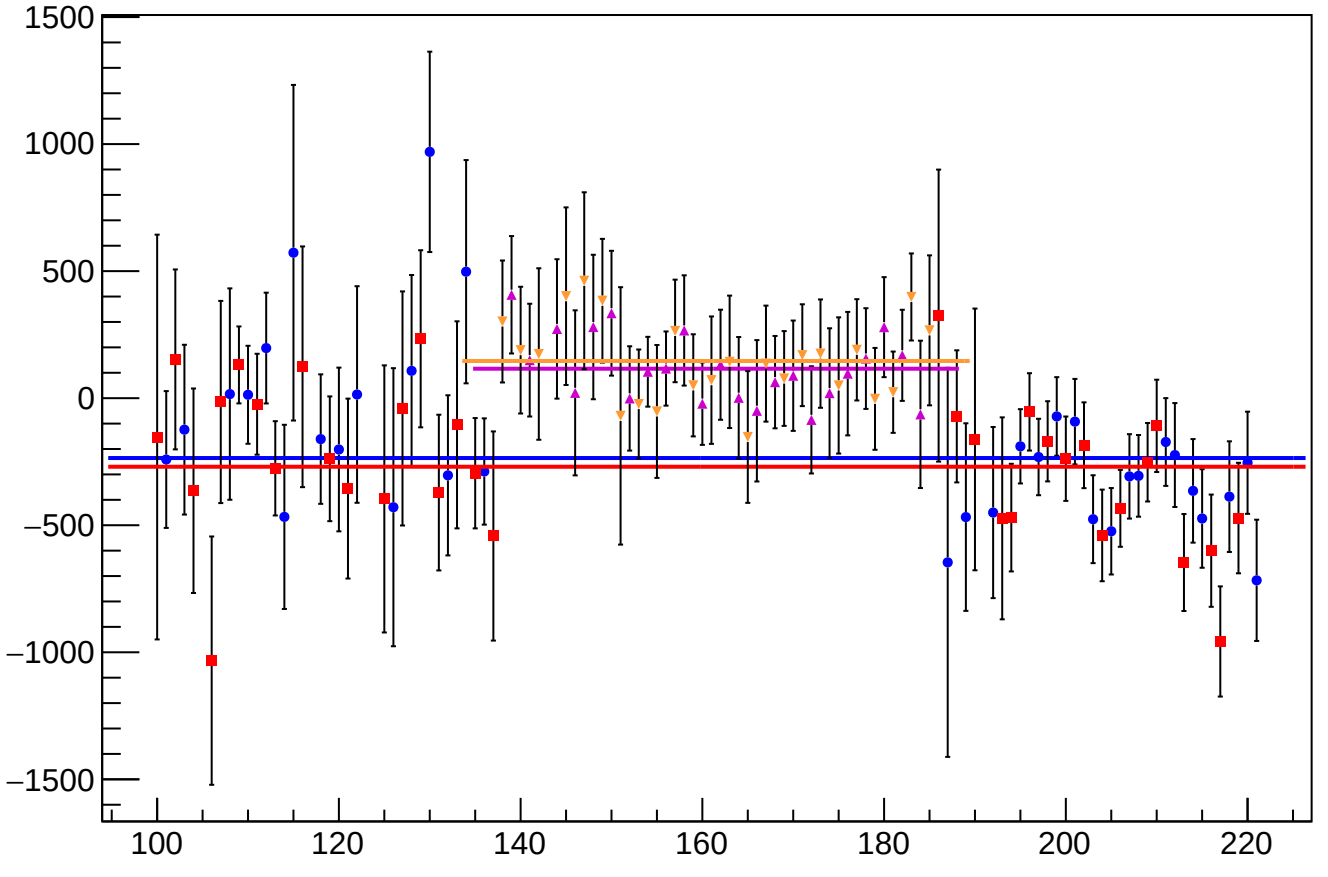
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

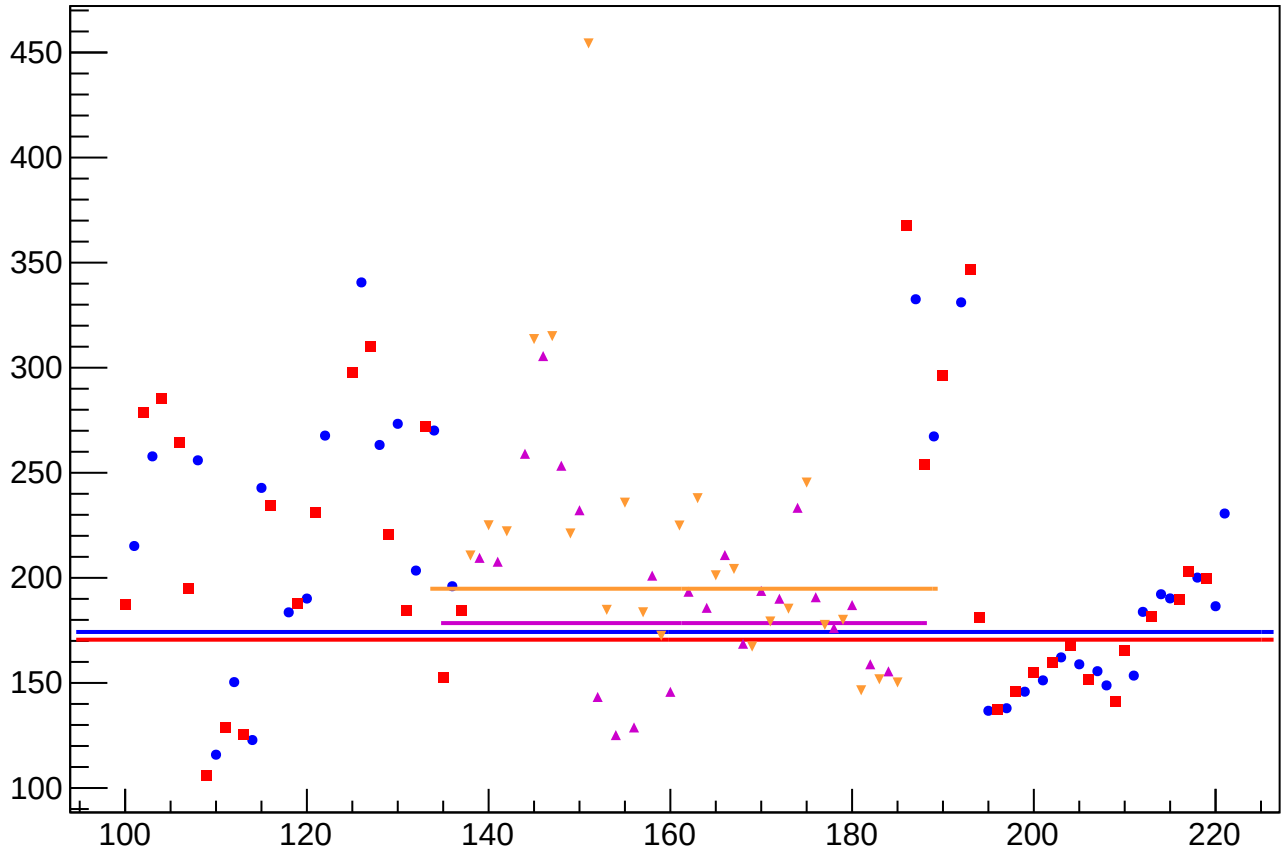
Right: 165.810+/-0.018 χ^2/NDF: 4936460.7/70

In: 168.125+/-0.019 χ^2/NDF:3701993.6/56

Out: 163.794+/-0.019 χ^2/NDF:3665104.4/61

All: 165.887+/-0.013 χ^2/NDF: 7393046.4/118


asym_bcm_2an_us_an_ds_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -235.538+/-38.563 χ²/NDF: 36.5/33
Left Out: 146.352+/-46.929 χ²/NDF:10.0/23
Right Out: -269.803+/-39.055 χ²/NDF: 43.6/34
Left In: 115.974+/-43.605 χ²/NDF:7.6/22
Left: 130.049+/-31.944 χ²/NDF: 17.8/46
Right: -252.453+/-27.441 χ²/NDF: 80.5/68
In: -81.270+/-28.887 χ²/NDF:80.5/56
Out: -99.515+/-30.020 χ²/NDF:100.0/58
All: -90.042+/-20.815 χ²/NDF: 180.8/115



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: 170.576+/-0.028 χ^2/NDF: 2929160.8/34

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

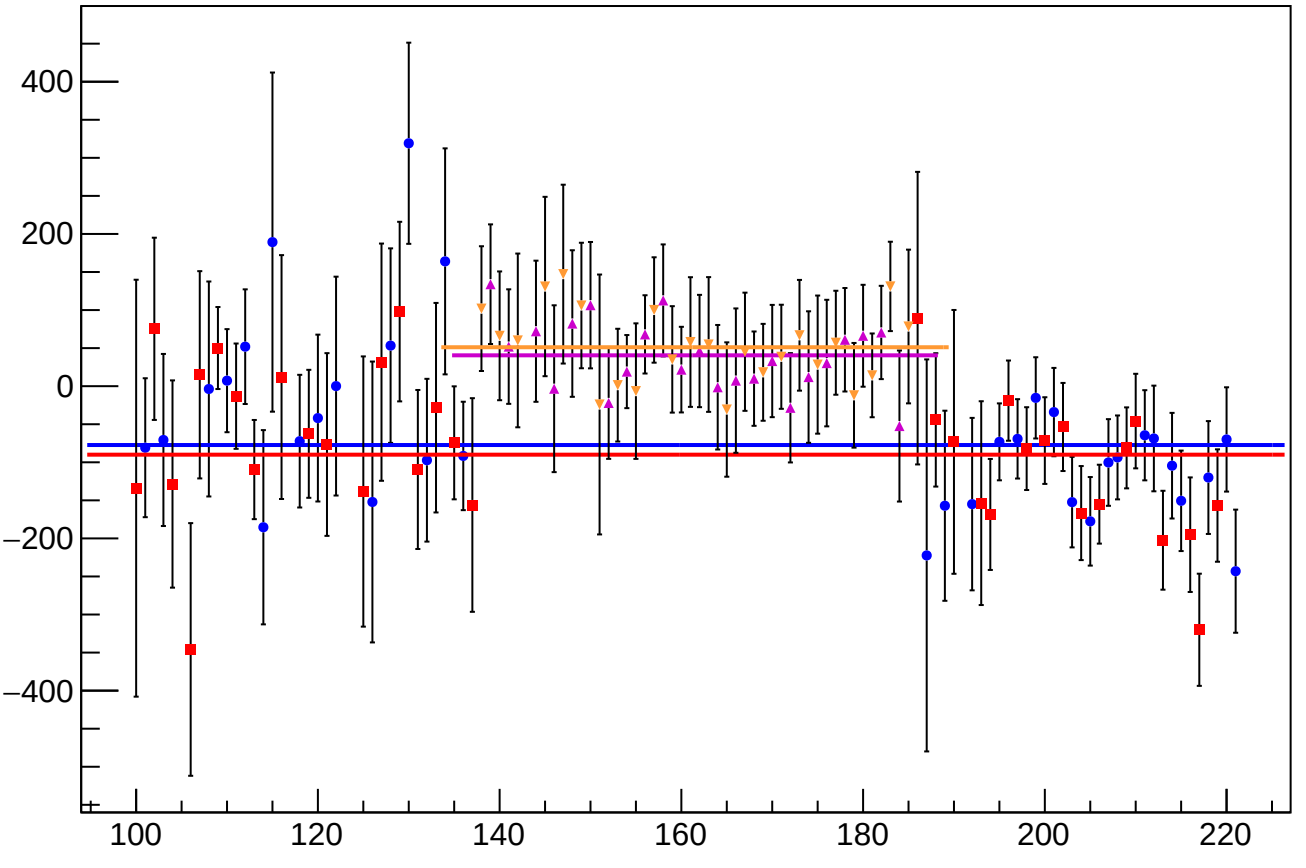
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 172.438+/-0.019 χ^2/NDF: 5426922.1/68

In: 176.106+/-0.020 χ^2/NDF:4175576.1/56

Out: 180.500+/-0.021 χ^2/NDF:4997220.1/58

All: 178.218+/-0.015 χ^2/NDF: 9195043.1/115



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: -89.989+/-13.416 χ^2/NDF: 41.4/34

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

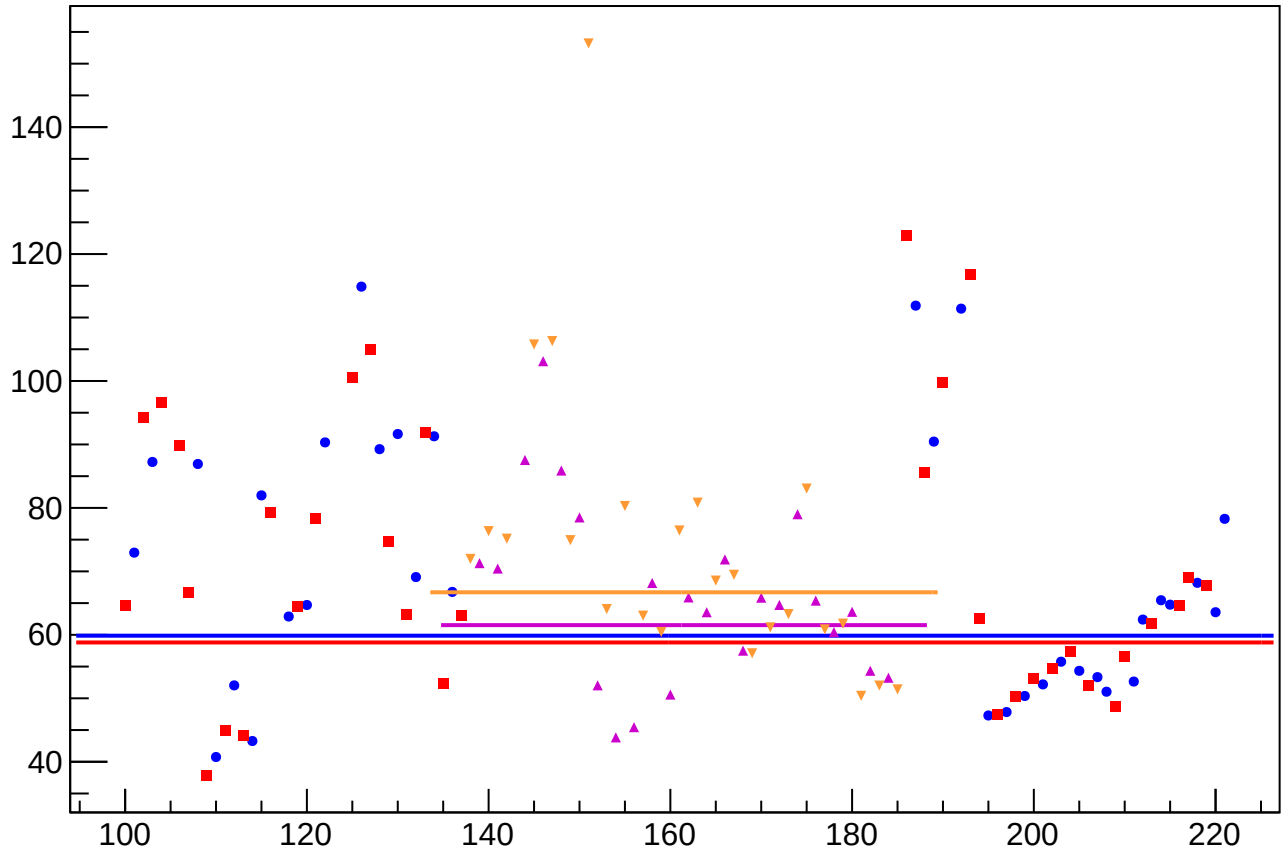
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -83.554+/-9.416 χ^2/NDF: 76.0/68

In: -25.712+/-9.910 χ^2/NDF:76.8/56

Out: -31.874+/-10.290 χ^2/NDF:95.1/58

All: -28.677+/-7.138 χ^2/NDF: 172.1/115



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: 58.798+/-0.009 χ^2/NDF: 2714046.1/34

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

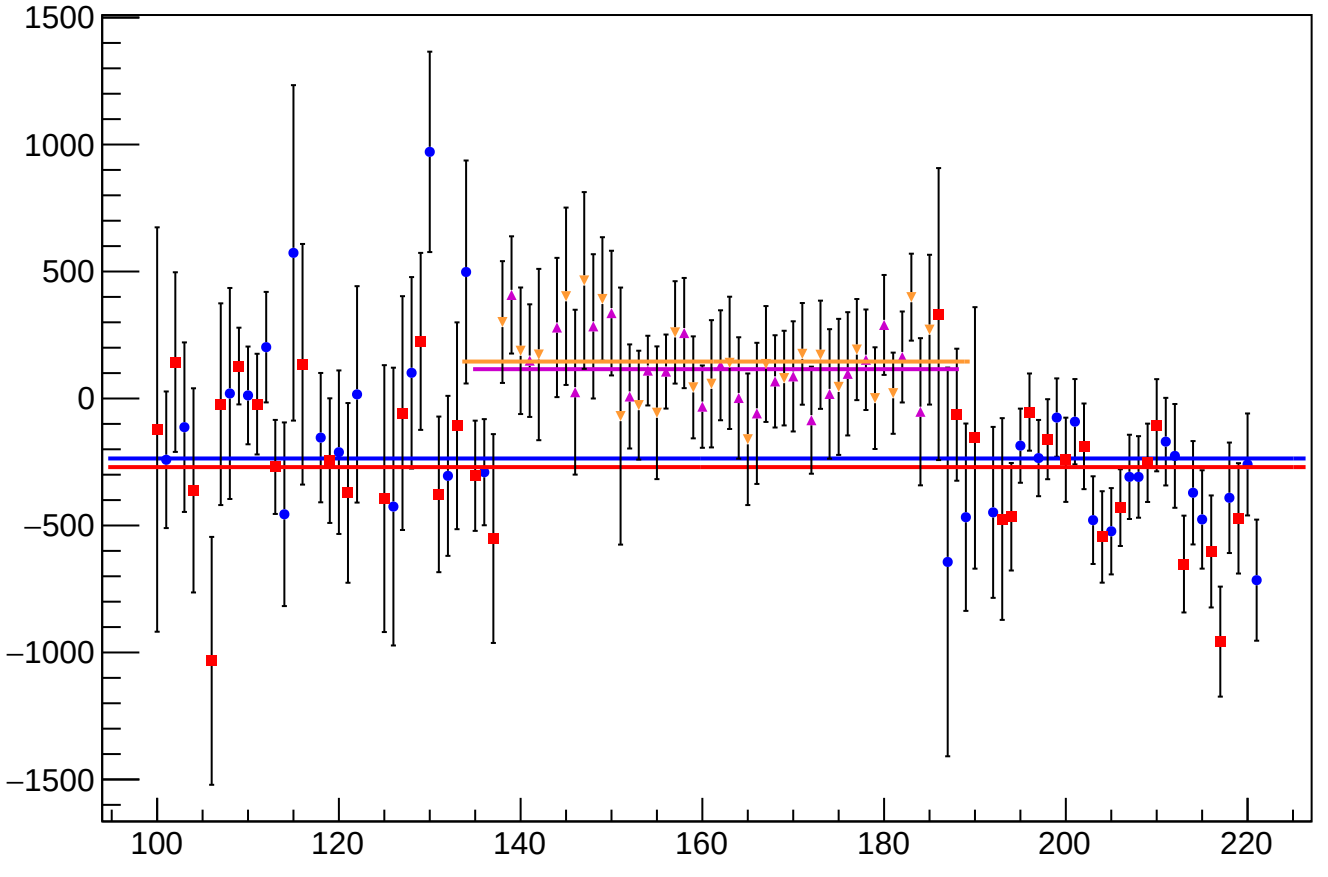
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 59.340+/-0.007 χ^2/NDF: 5045812.2/68

In: 60.594+/-0.007 χ^2/NDF:3829048.4/56

Out: 62.053+/-0.007 χ^2/NDF:4676216.1/58

All: 61.296+/-0.005 χ^2/NDF: 8526121.9/115



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: -270.151+/-39.007 χ^2/NDF: 43.8/34

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

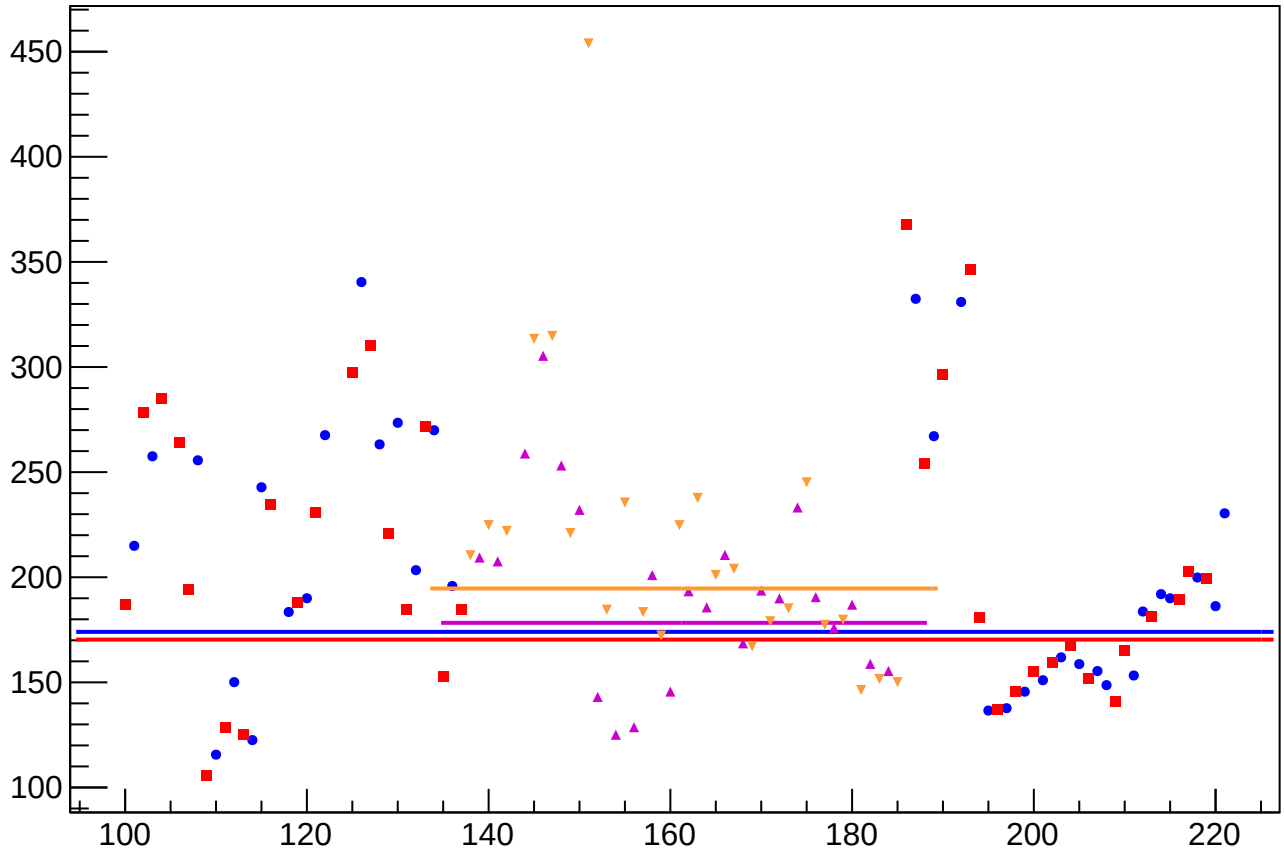
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -252.922+/-27.406 χ^2/NDF: 80.9/68

In: -81.884+/-28.856 χ^2/NDF:81.0/56

Out: -100.160+/-29.987 χ^2/NDF:100.5/58

All: -90.671+/-20.793 χ^2/NDF: 181.7/115



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: 170.342+/-0.028 χ^2/NDF: 2937931.6/34

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

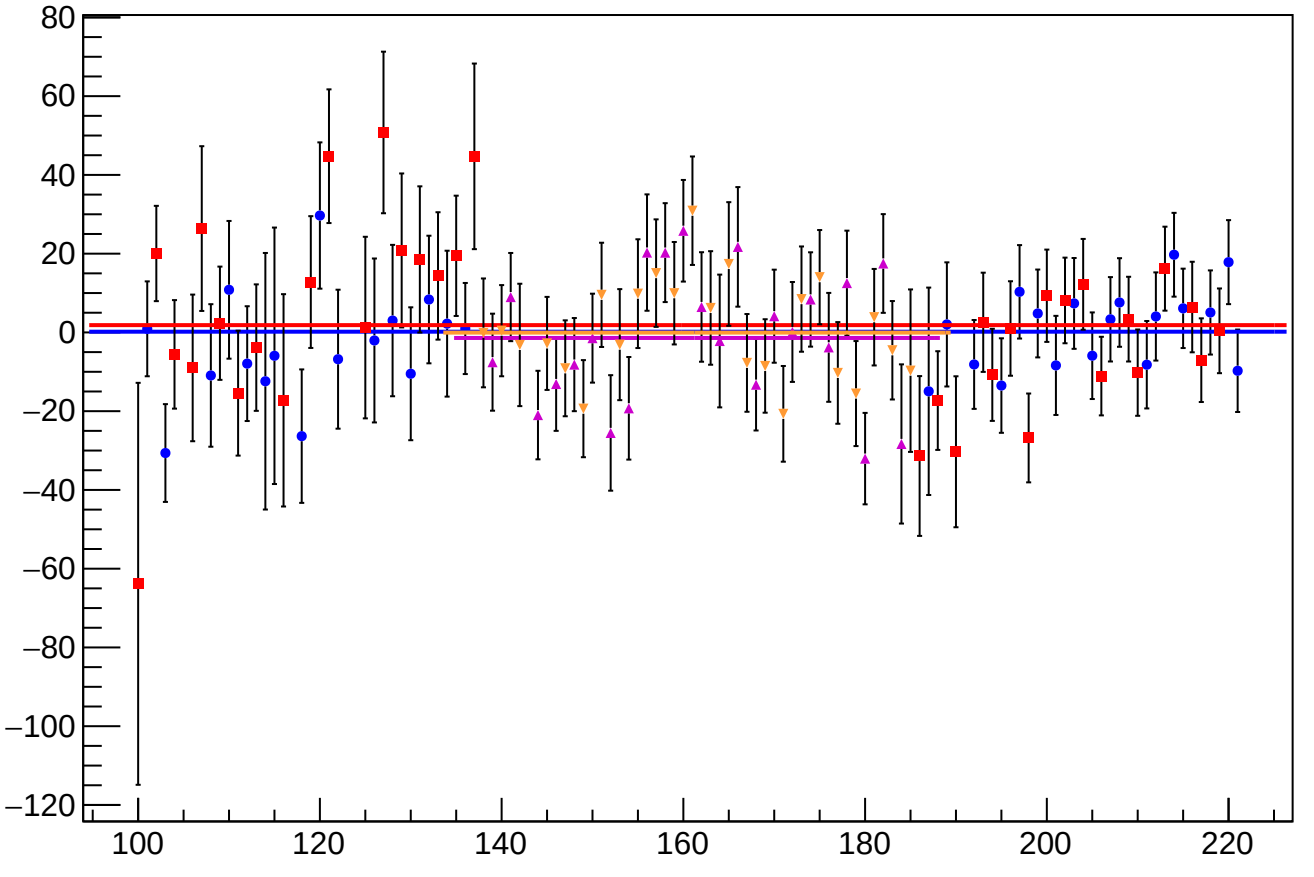
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 172.203+/-0.019 χ^2/NDF: 5442609.9/68

In: 175.904+/-0.020 χ^2/NDF:4184949.5/56

Out: 180.288+/-0.021 χ^2/NDF:5008966.6/58

All: 178.012+/-0.015 χ^2/NDF: 9216101.5/115



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: 1.851+/-2.341 χ^2/NDF: 49.8/34

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

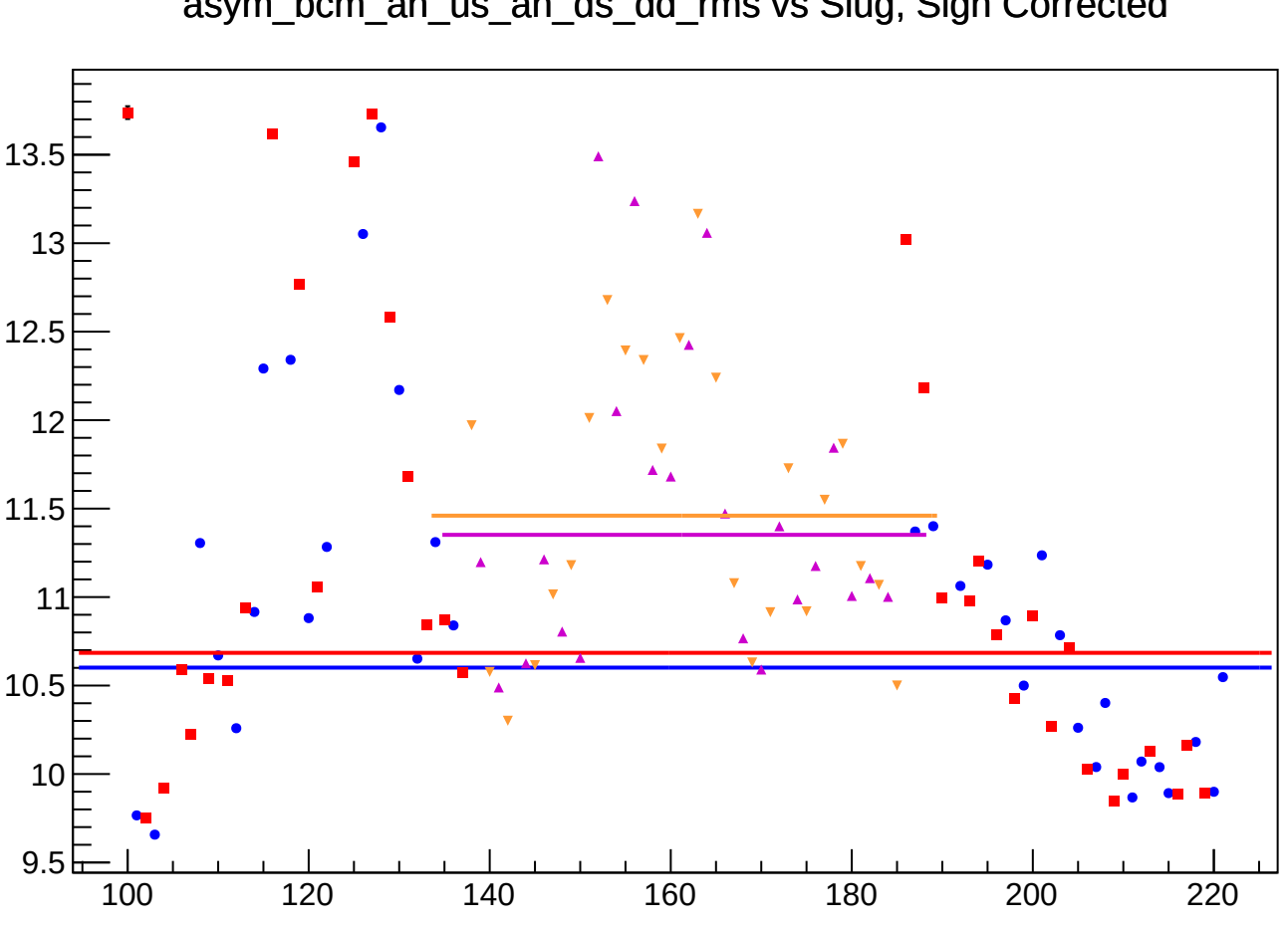
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 0.992+/-1.629 χ^2/NDF: 76.3/68

In: -0.482+/-1.730 χ^2/NDF:62.8/56

Out: 1.031+/-1.764 χ^2/NDF:70.6/58

All: 0.260+/-1.235 χ^2/NDF: 133.7/115



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: 10.685+/-0.002 χ^2/NDF: 306057.9/34

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

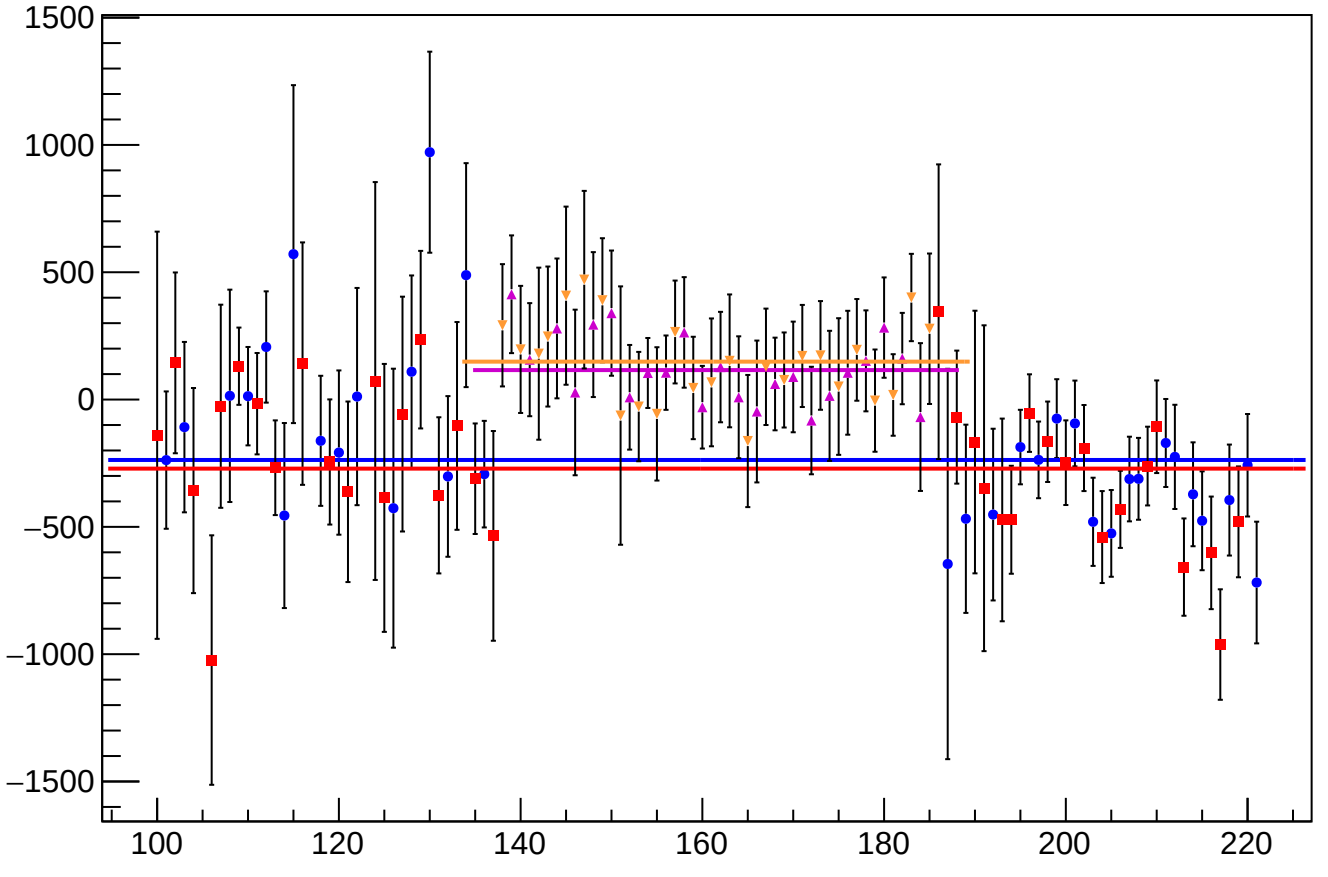
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.642+/-0.001 χ^2/NDF: 532301.8/68

In: 10.916+/-0.001 χ^2/NDF:487041.9/56

Out: 11.020+/-0.001 χ^2/NDF:551204.8/58

All: 10.967+/-0.001 χ^2/NDF: 1041795.4/115



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: -271.248+/-38.988 χ^2/NDF: 44.2/36

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

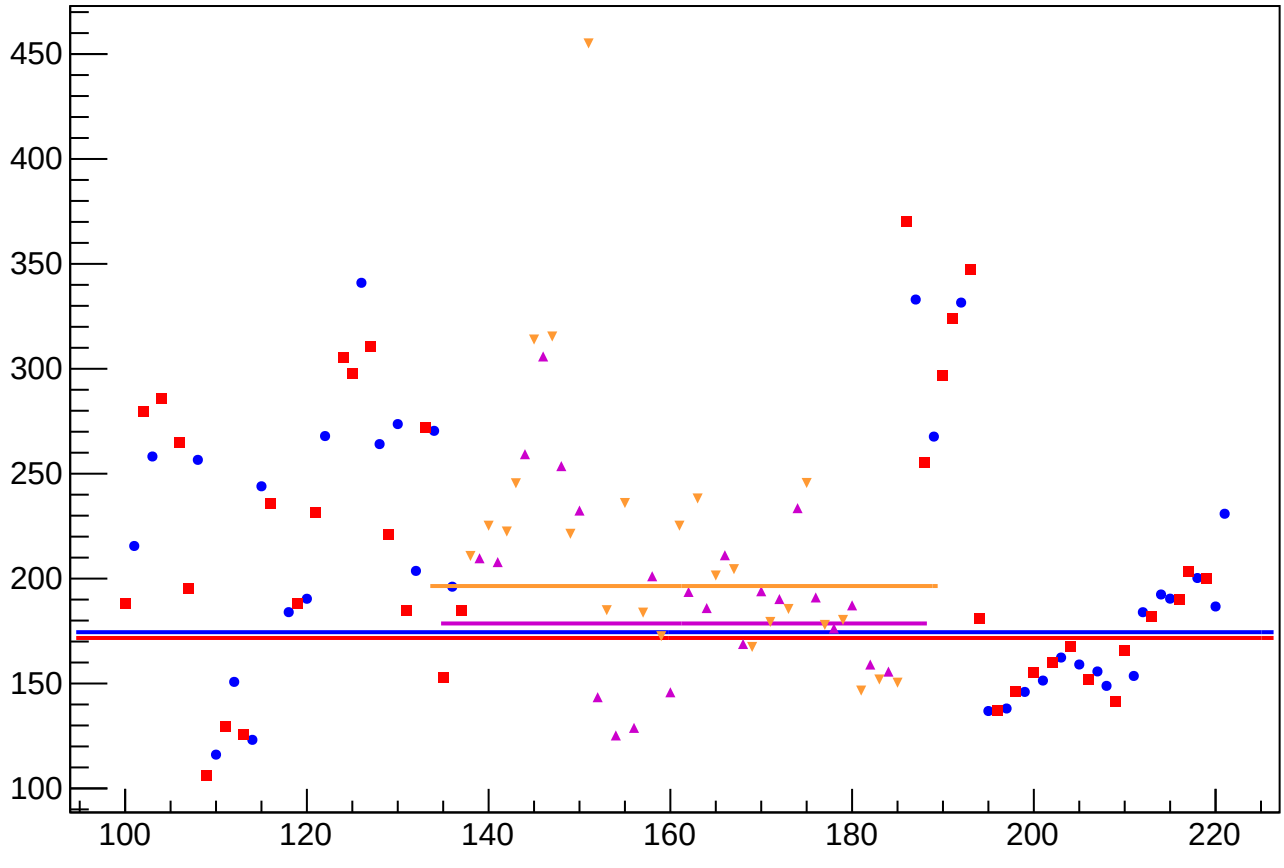
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -254.102+/-27.434 χ^2/NDF: 81.3/70

In: -82.300+/-28.917 χ^2/NDF:81.2/56

Out: -96.956+/-29.825 χ^2/NDF:102.9/61

All: -89.402+/-20.761 χ^2/NDF: 184.2/118



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: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

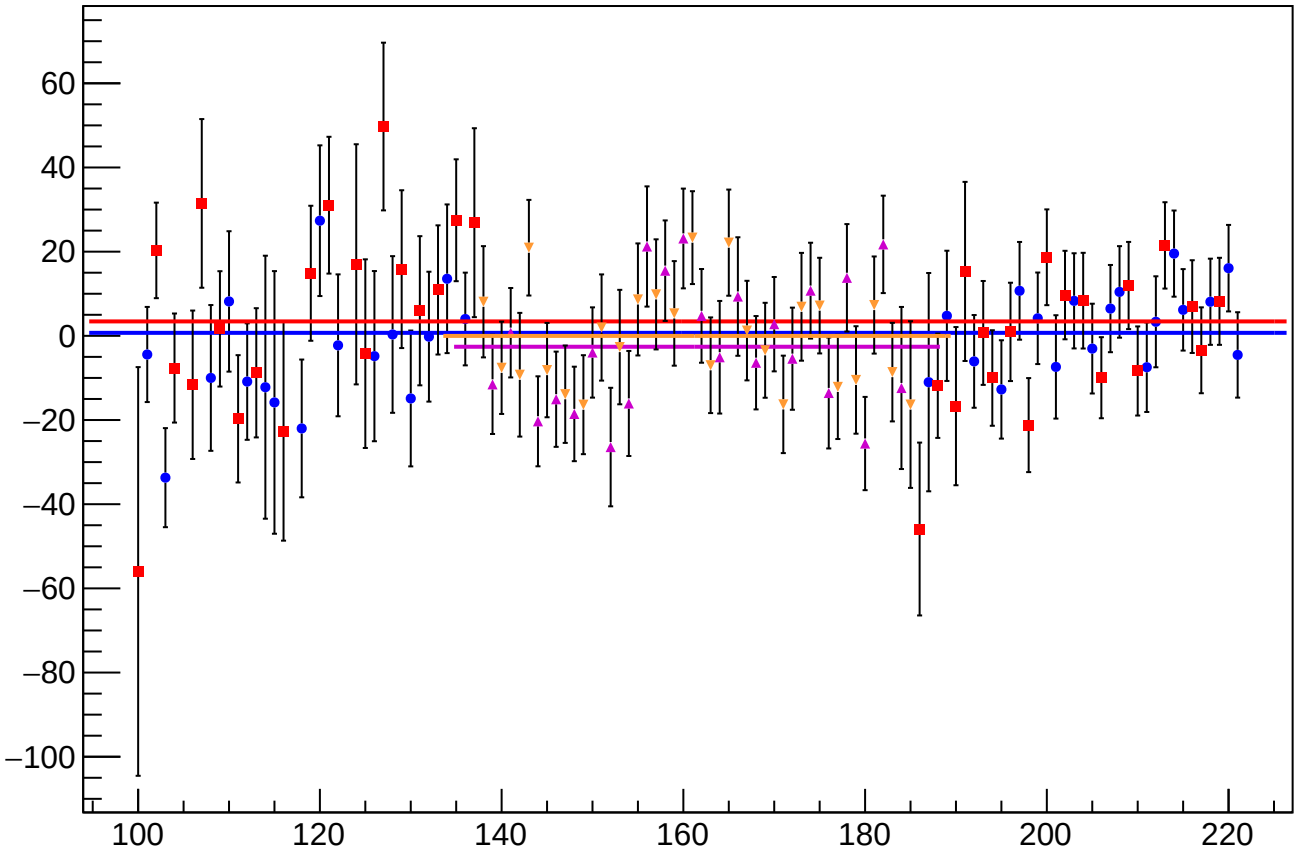
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 173.095+/-0.019 χ^2/NDF: 5602926.5/70

In: 176.284+/-0.020 χ^2/NDF:4179449.4/56

Out: 181.970+/-0.021 χ^2/NDF:5260579.6/61

All: 179.039+/-0.015 χ^2/NDF: 9477499.7/118



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: 3.428+/-2.238 χ^2/NDF: 50.0/36

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

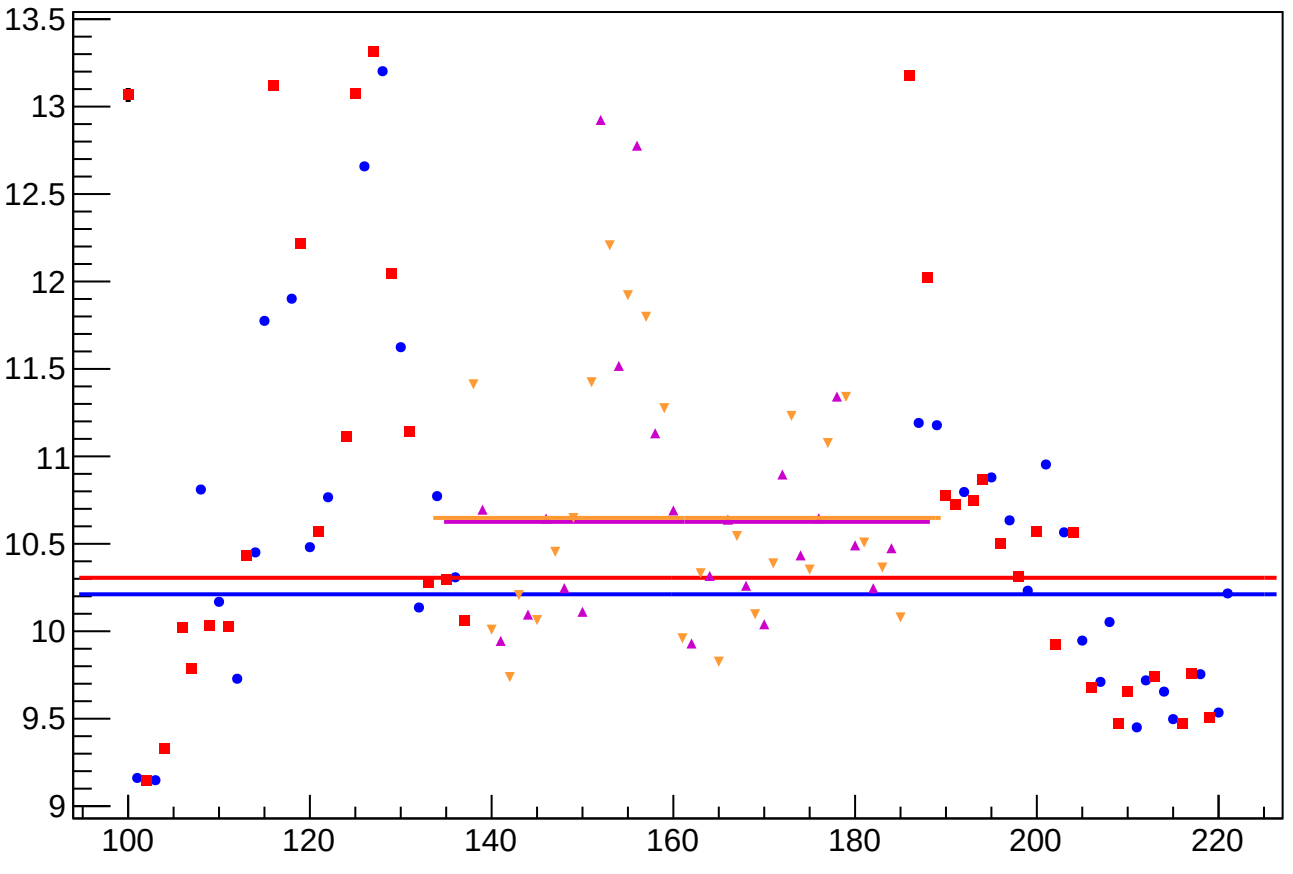
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 2.039+/-1.565 χ^2/NDF: 79.3/70

In: -0.717+/-1.648 χ^2/NDF:64.4/56

Out: 1.857+/-1.651 χ^2/NDF:74.8/61

All: 0.568+/-1.166 χ^2/NDF: 140.4/118



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: 10.306+/-0.002 χ^2/NDF: 351007.5/36

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

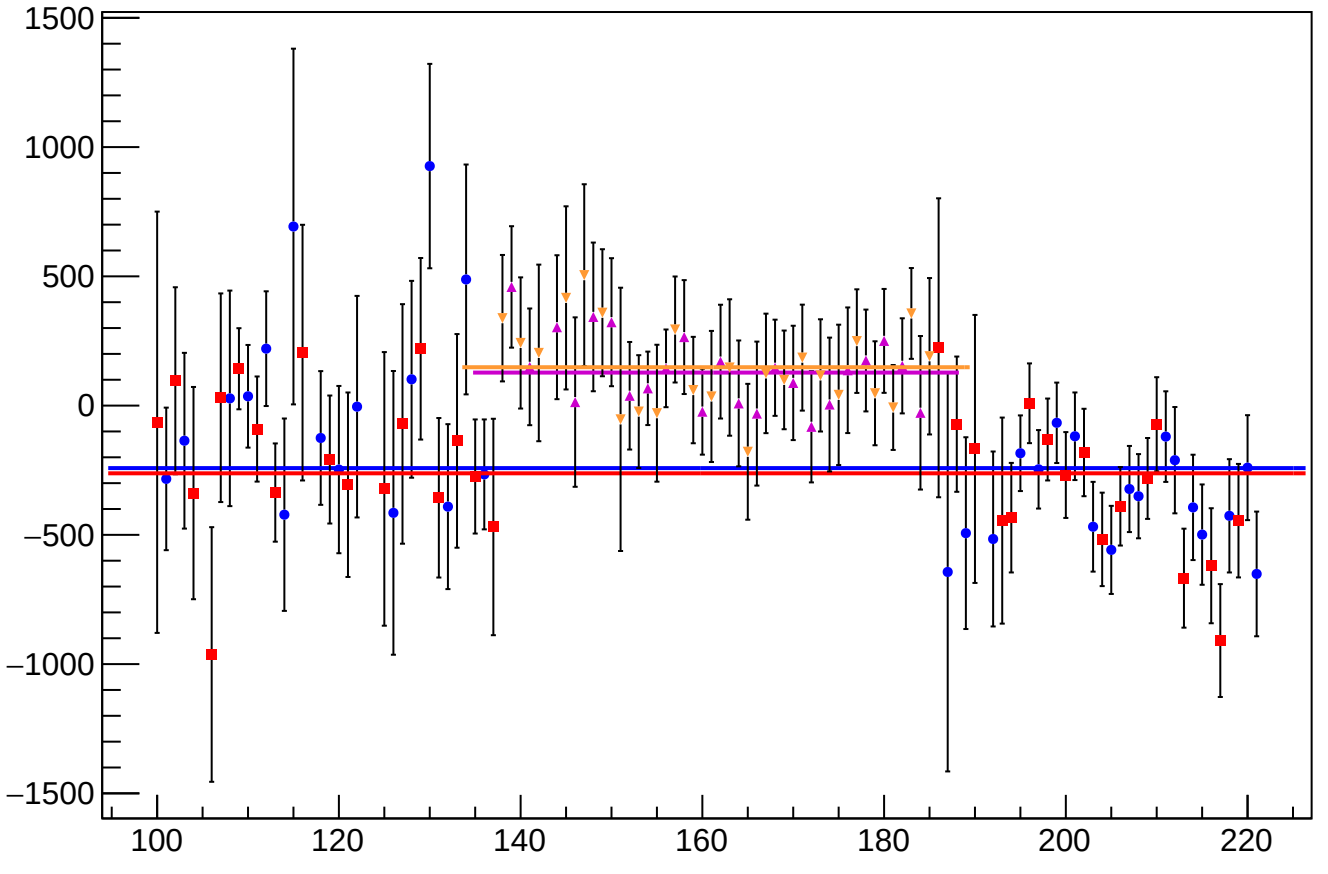
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.257+/-0.001 χ^2/NDF: 603774.8/70

In: 10.391+/-0.001 χ^2/NDF:441514.1/56

Out: 10.462+/-0.001 χ^2/NDF:515896.7/61

All: 10.426+/-0.001 χ^2/NDF: 959283.5/118



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: -261.932+/-39.458 χ^2/NDF: 41.1/34

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

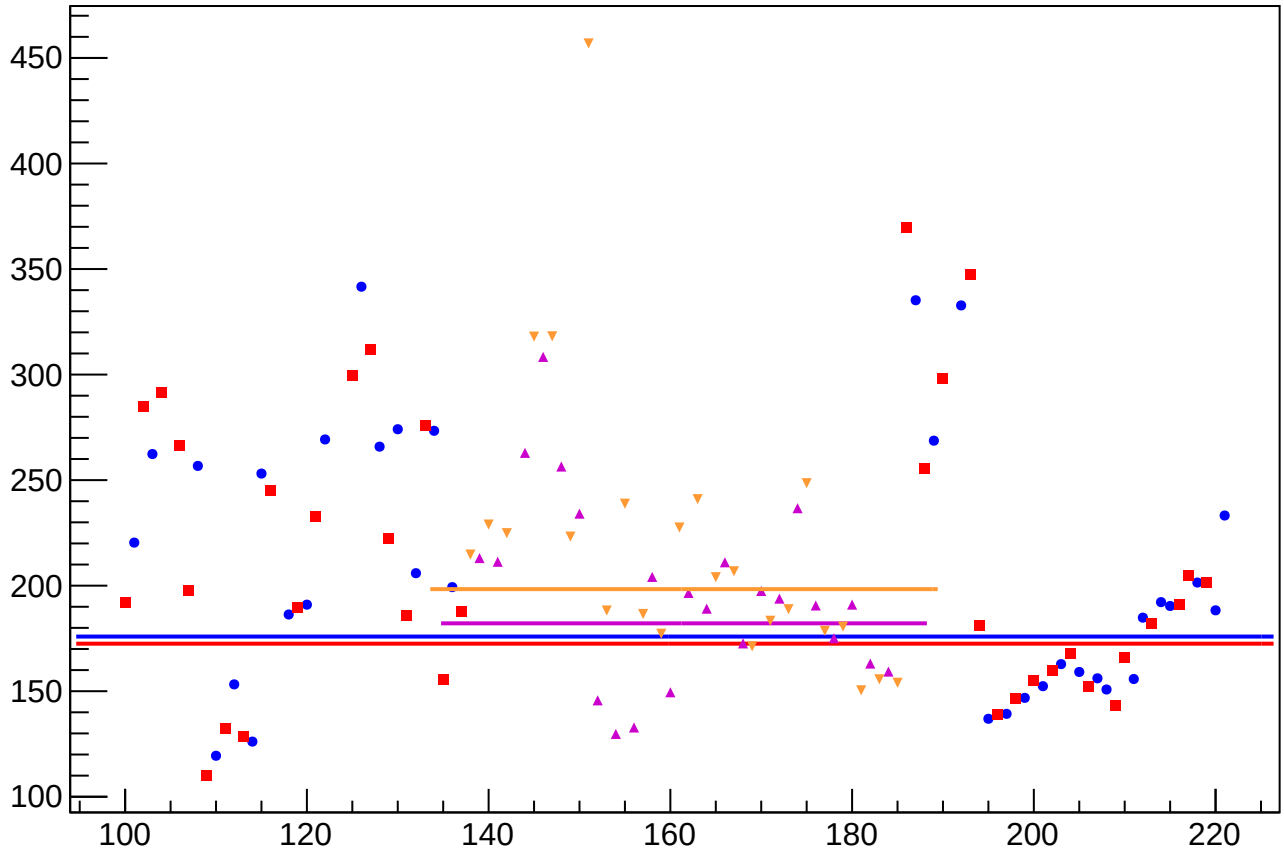
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -251.716+/-27.706 χ^2/NDF: 78.8/68

In: -81.381+/-29.271 χ^2/NDF:84.6/56

Out: -95.292+/-30.409 χ^2/NDF:94.9/58

All: -88.072+/-21.089 χ^2/NDF: 179.5/115



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: 172.518+/-0.028 χ^2/NDF: 2866746.7/34

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

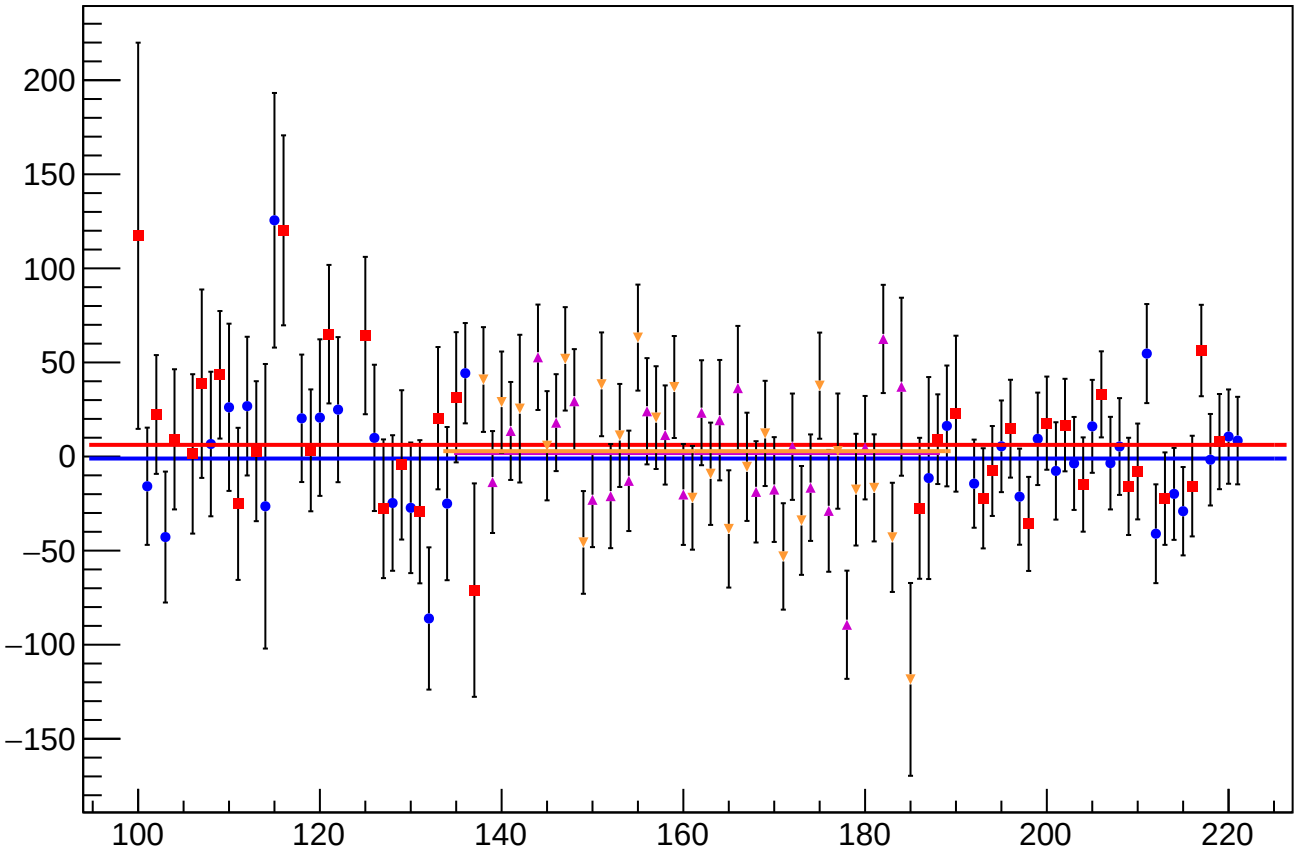
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 174.225+/-0.020 χ^2/NDF: 5347206.6/68

In: 178.604+/-0.021 χ^2/NDF:4079952.8/56

Out: 183.008+/-0.022 χ^2/NDF:4911906.7/58

All: 180.722+/-0.015 χ^2/NDF: 9013632.7/115



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: 6.205+/-5.200 χ^2/NDF: 32.8/34

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

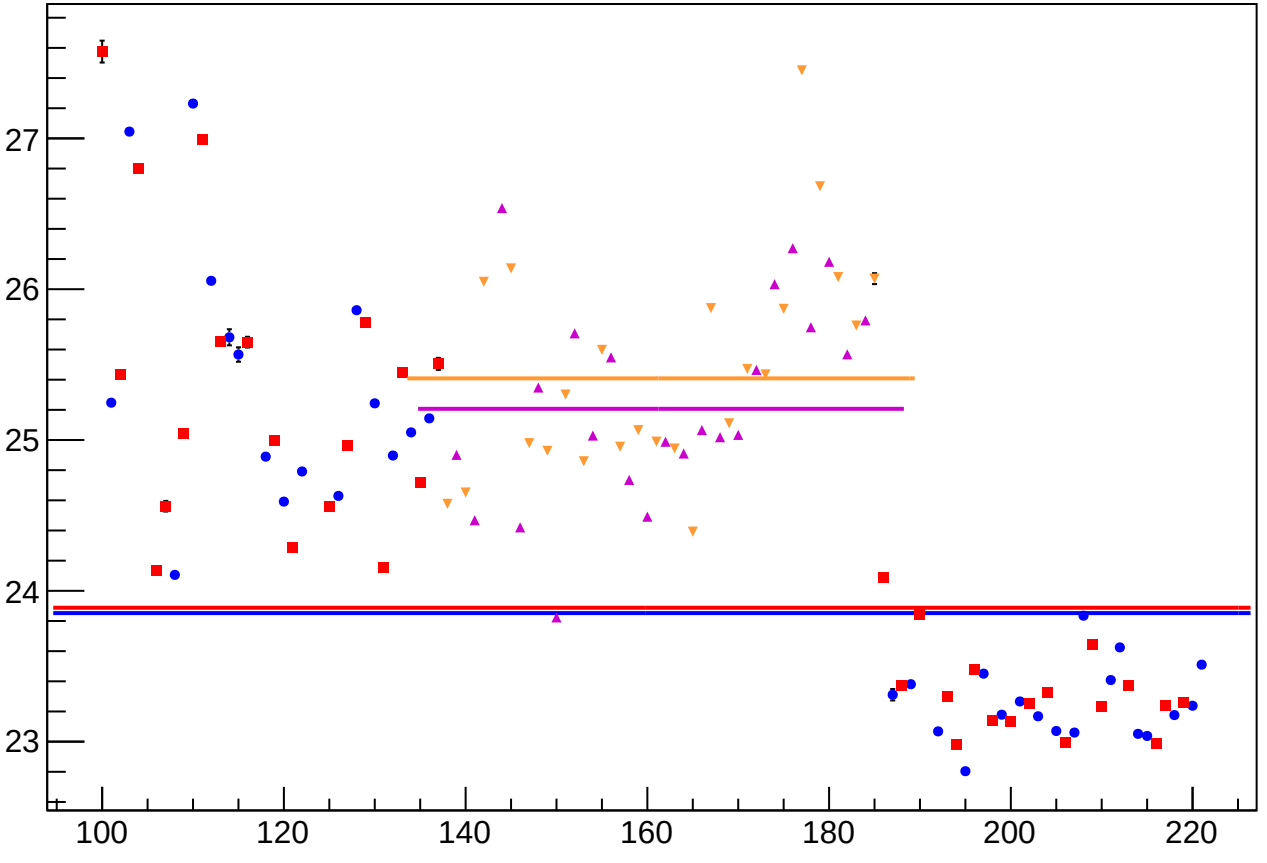
Right: 2.487+/-3.634 χ^2/NDF: 61.9/68

In: 0.179+/-3.848 χ^2/NDF:56.4/56

Out: 4.740+/-3.902 χ^2/NDF:69.9/58

All: 2.427+/-2.740 χ^2/NDF: 126.9/115

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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: 23.888+/-0.004 χ^2/NDF: 78410.4/34

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

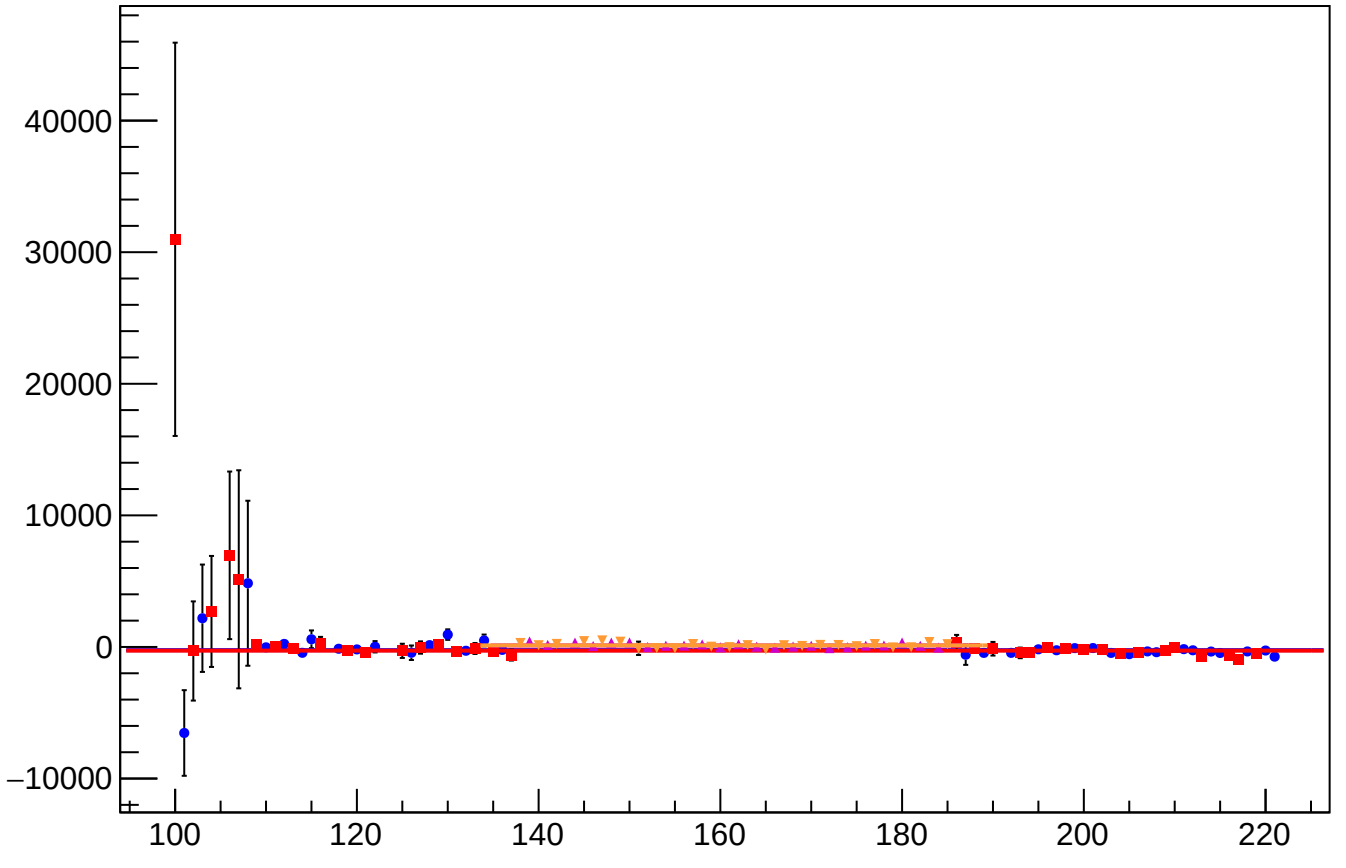
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 23.870+/-0.003 χ^2/NDF: 166108.9/68

In: 24.430+/-0.003 χ^2/NDF:174084.5/56

Out: 24.552+/-0.003 χ^2/NDF:180001.0/58

All: 24.490+/-0.002 χ^2/NDF: 355082.0/115



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: -277.772+/-41.370 χ^2/NDF: 47.2/34

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

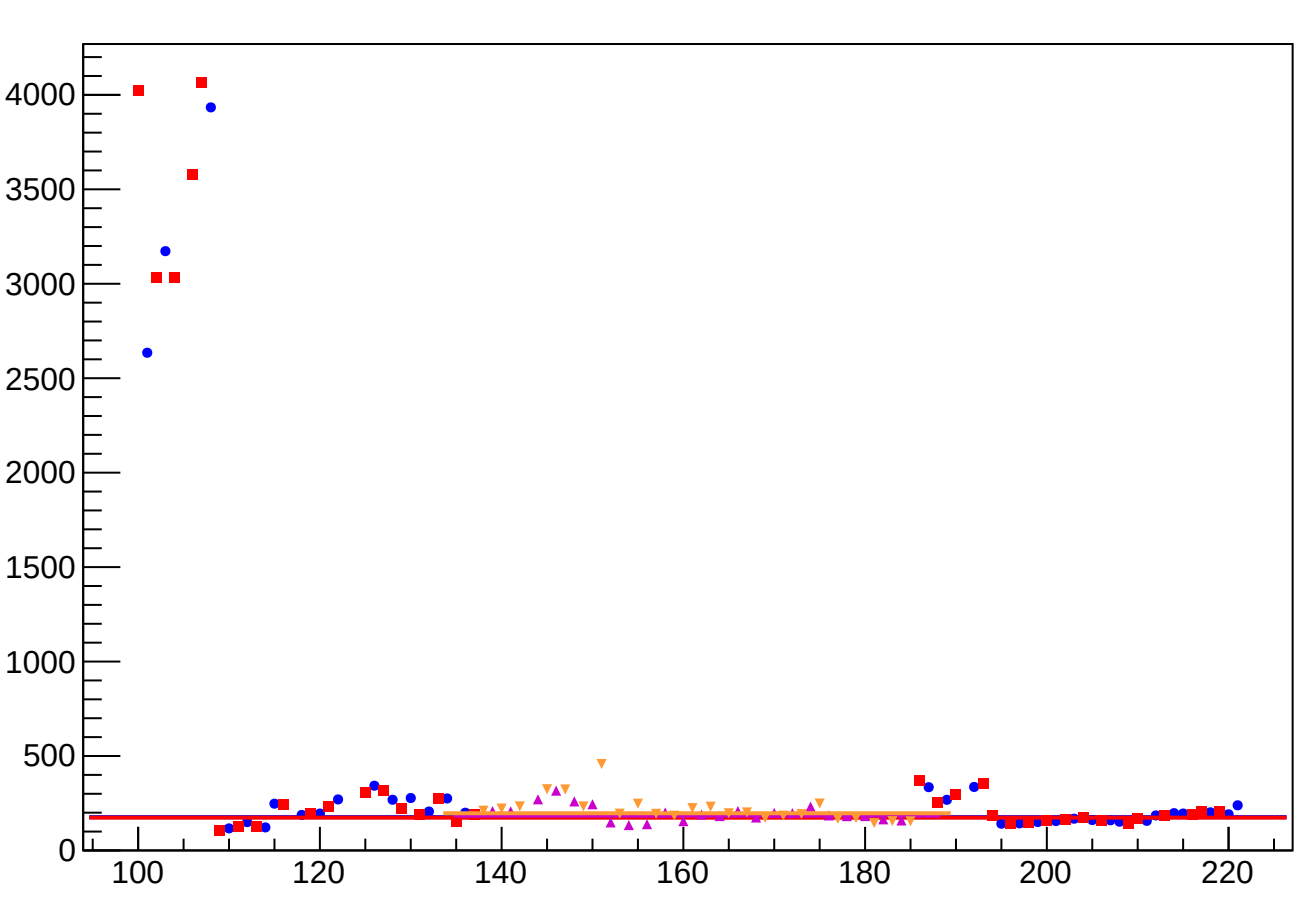
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -259.810+/-28.873 χ^2/NDF: 87.6/68

In: -82.062+/-29.963 χ^2/NDF:84.0/56

Out: -105.854+/-31.179 χ^2/NDF:99.1/58

All: -93.485+/-21.604 χ^2/NDF: 183.4/115



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: 173.722+/-0.029 χ^2/NDF: 5544659.3/34

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

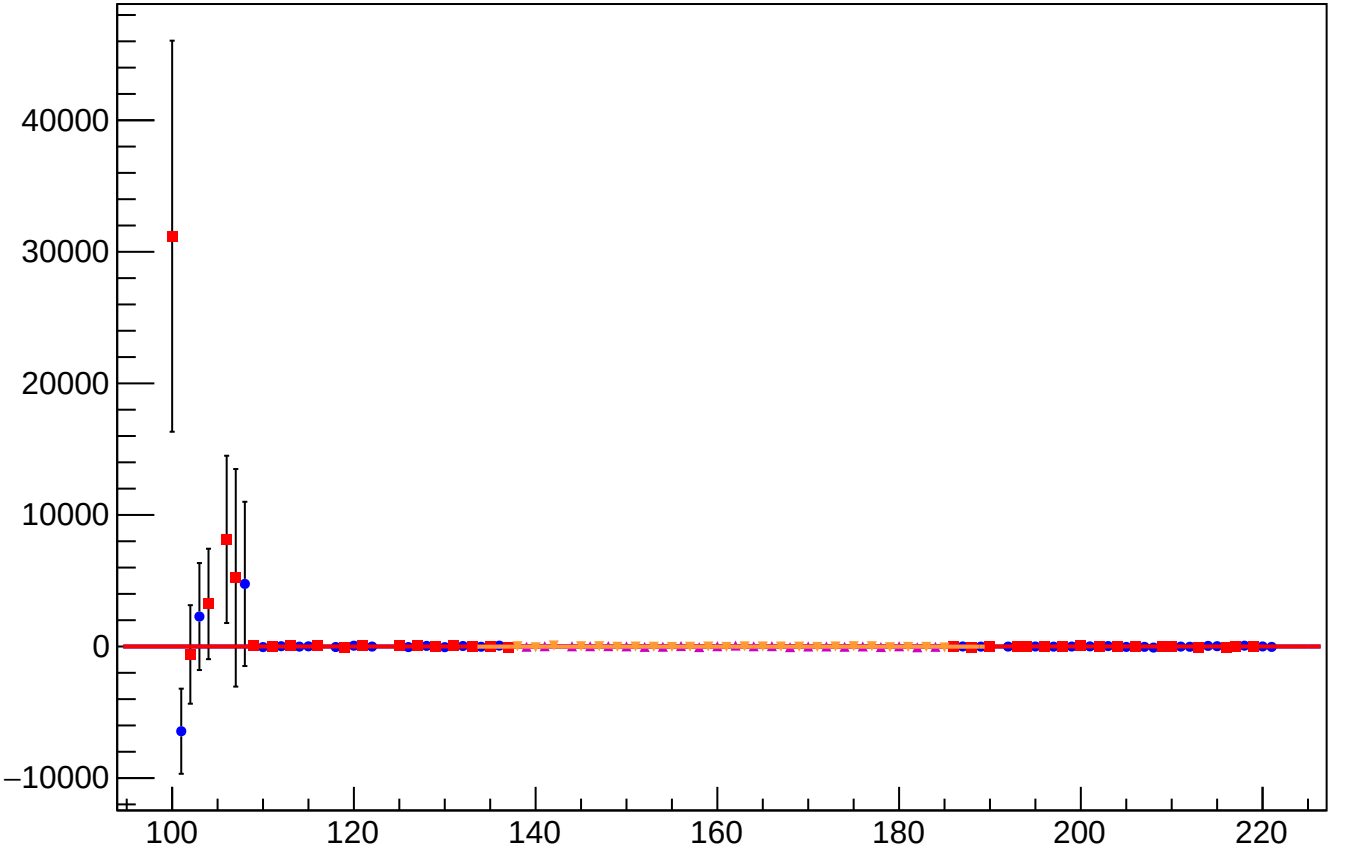
Right: 175.102+/-0.020 χ^2/NDF: 10678680.6/68

In: 179.831+/-0.021 χ^2/NDF:6607244.0/56

Out: 183.749+/-0.022 χ^2/NDF:7625943.4/58

All: 181.712+/-0.015 χ^2/NDF: 14249601.6/1

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



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: 2.645+/-6.269 χ^2/NDF: 40.9/34

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

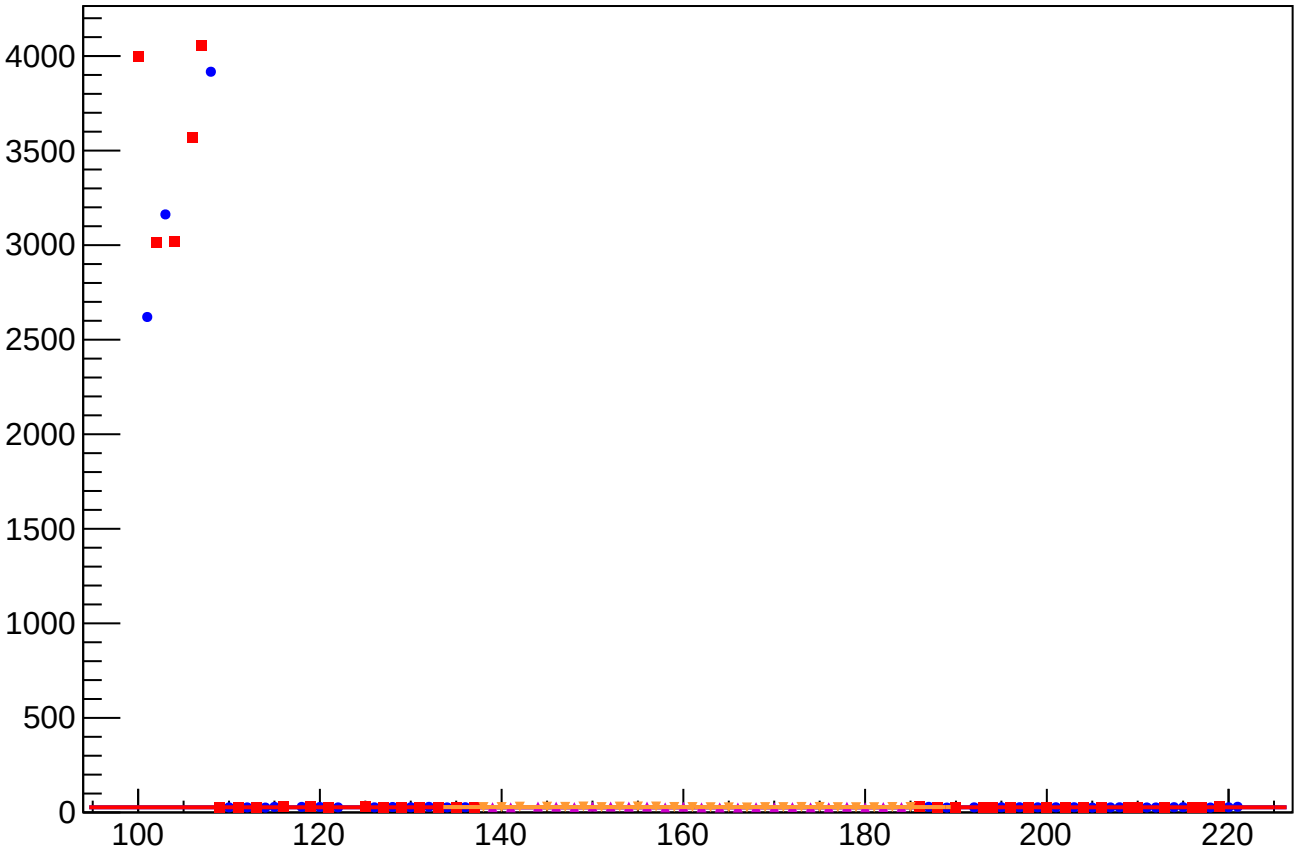
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 1.557+/-4.353 χ^2/NDF: 80.2/68

In: 1.452+/-4.499 χ^2/NDF:61.4/56

Out: -3.825+/-4.563 χ^2/NDF:60.7/58

All: -1.149+/-3.204 χ^2/NDF: 122.8/115



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: 27.322+/-0.004 χ^2/NDF: 3625054.1/34

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

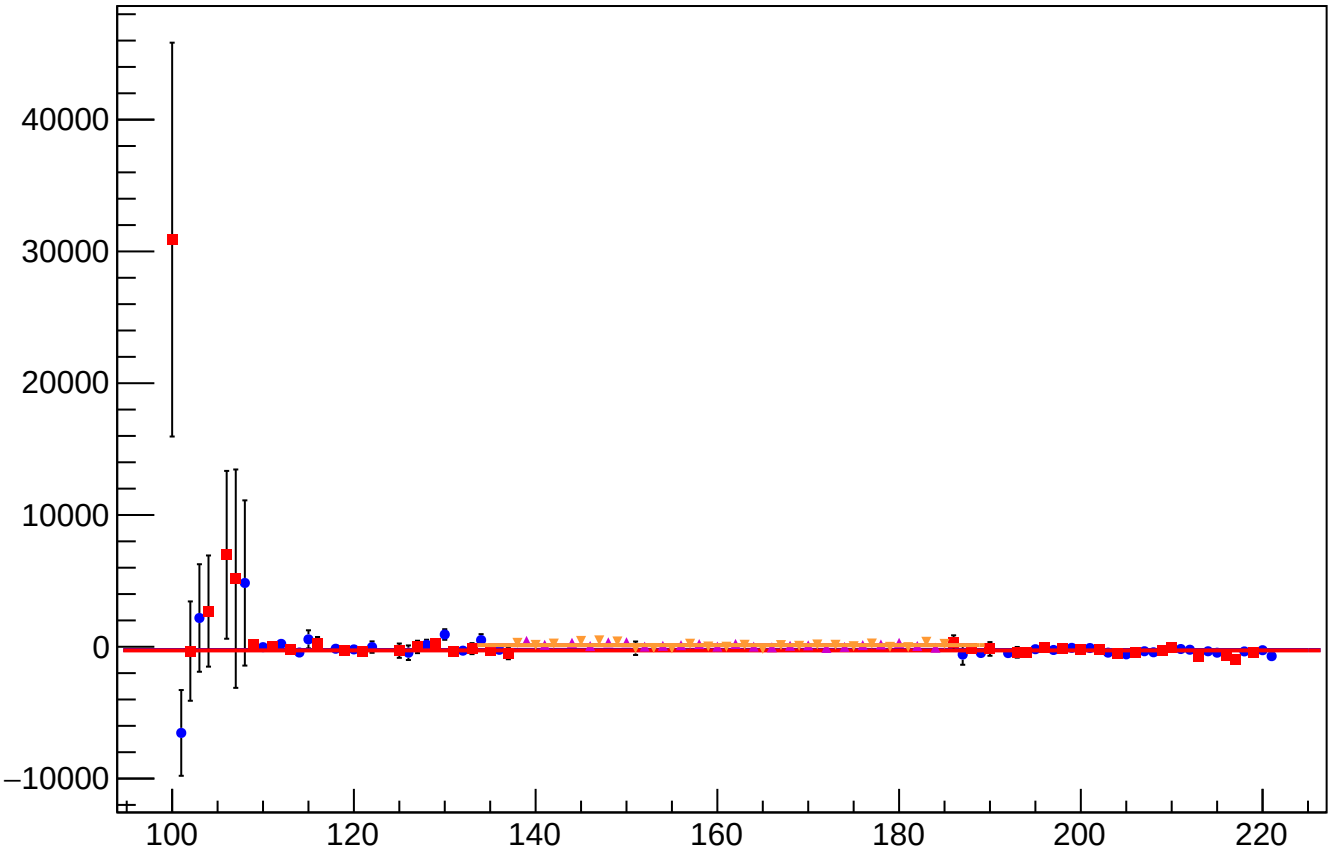
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.320+/-0.003 χ^2/NDF: 6937744.6/68

In: 27.947+/-0.003 χ^2/NDF:3488639.3/56

Out: 27.919+/-0.003 χ^2/NDF:3744676.7/58

All: 27.934+/-0.002 χ^2/NDF: 7233353.9/115



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: -274.975+/-41.534 χ^2/NDF: 45.5/34

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

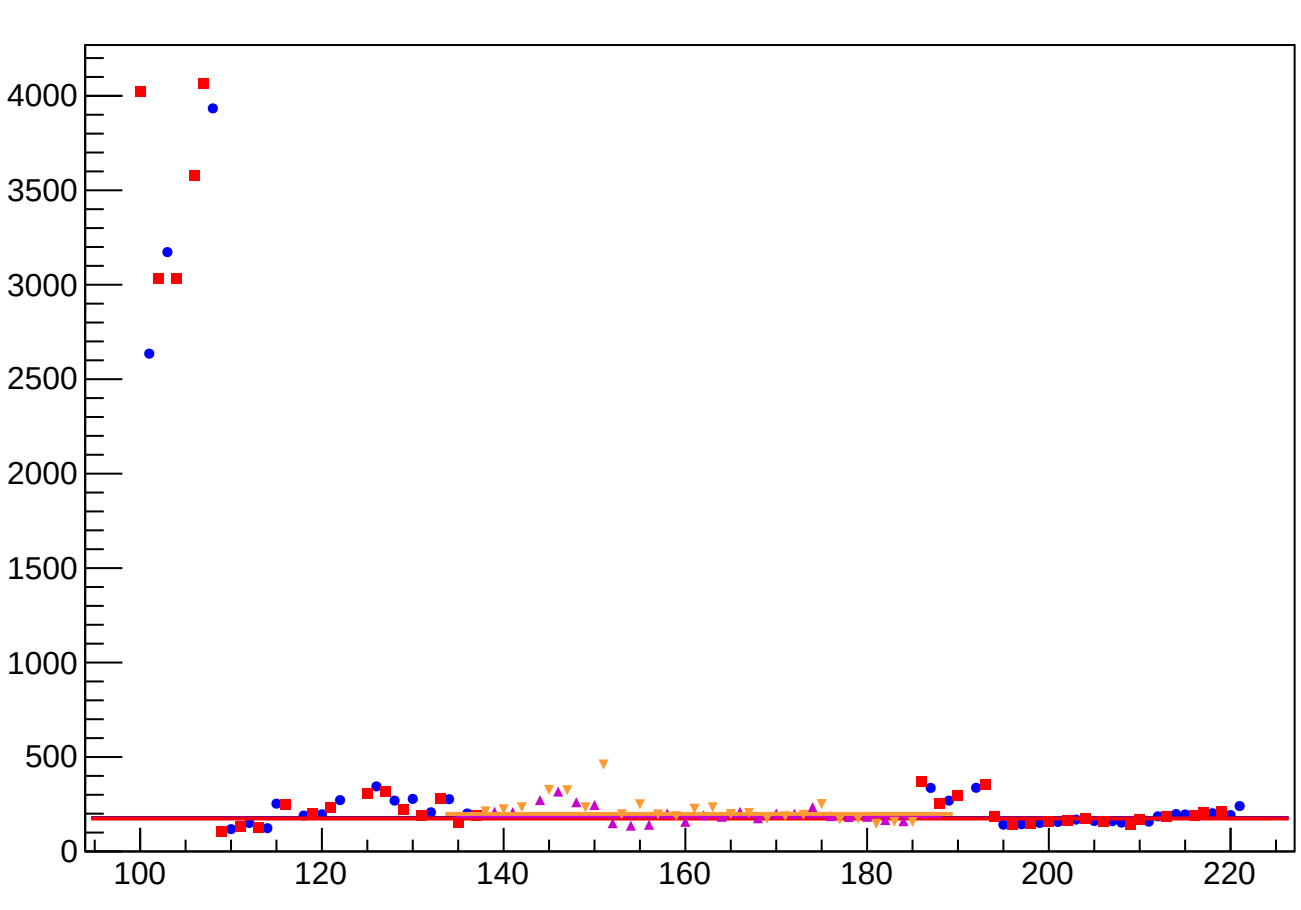
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -260.005+/-28.991 χ^2/NDF: 85.4/68

In: -81.700+/-30.157 χ^2/NDF:84.6/56

Out: -102.529+/-31.367 χ^2/NDF:97.2/58

All: -91.705+/-21.739 χ^2/NDF: 182.0/115



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: 174.453+/-0.029 χ^2/NDF: 5532036.3/34

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

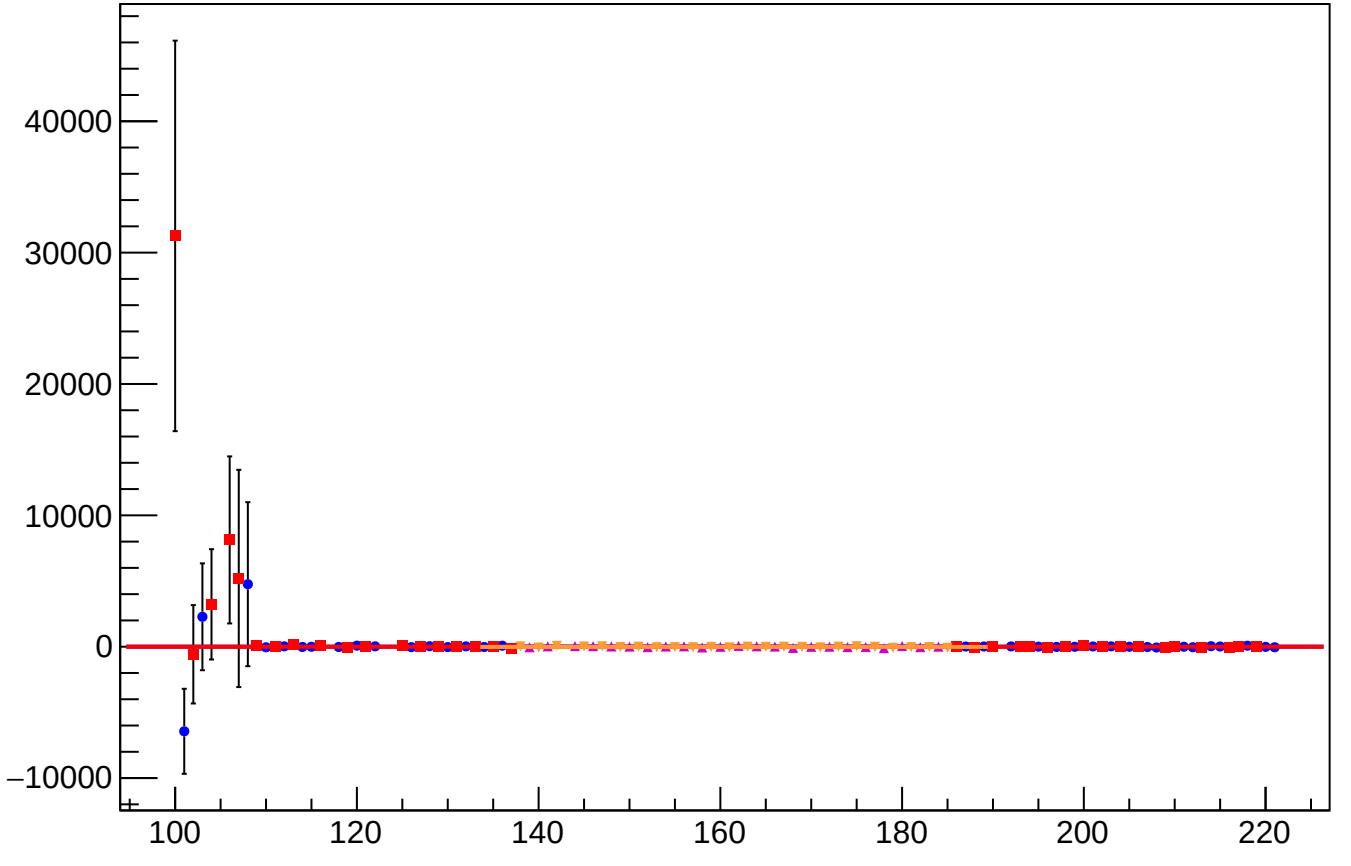
Right: 175.849+/-0.020 χ^2/NDF: 10661318.9/68

In: 181.046+/-0.021 χ^2/NDF:6571487.7/56

Out: 184.887+/-0.022 χ^2/NDF:7612176.9/58

All: 182.891+/-0.015 χ^2/NDF: 14199246.6/1

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



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: -2.332+/-6.910 χ^2/NDF: 45.0/34

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

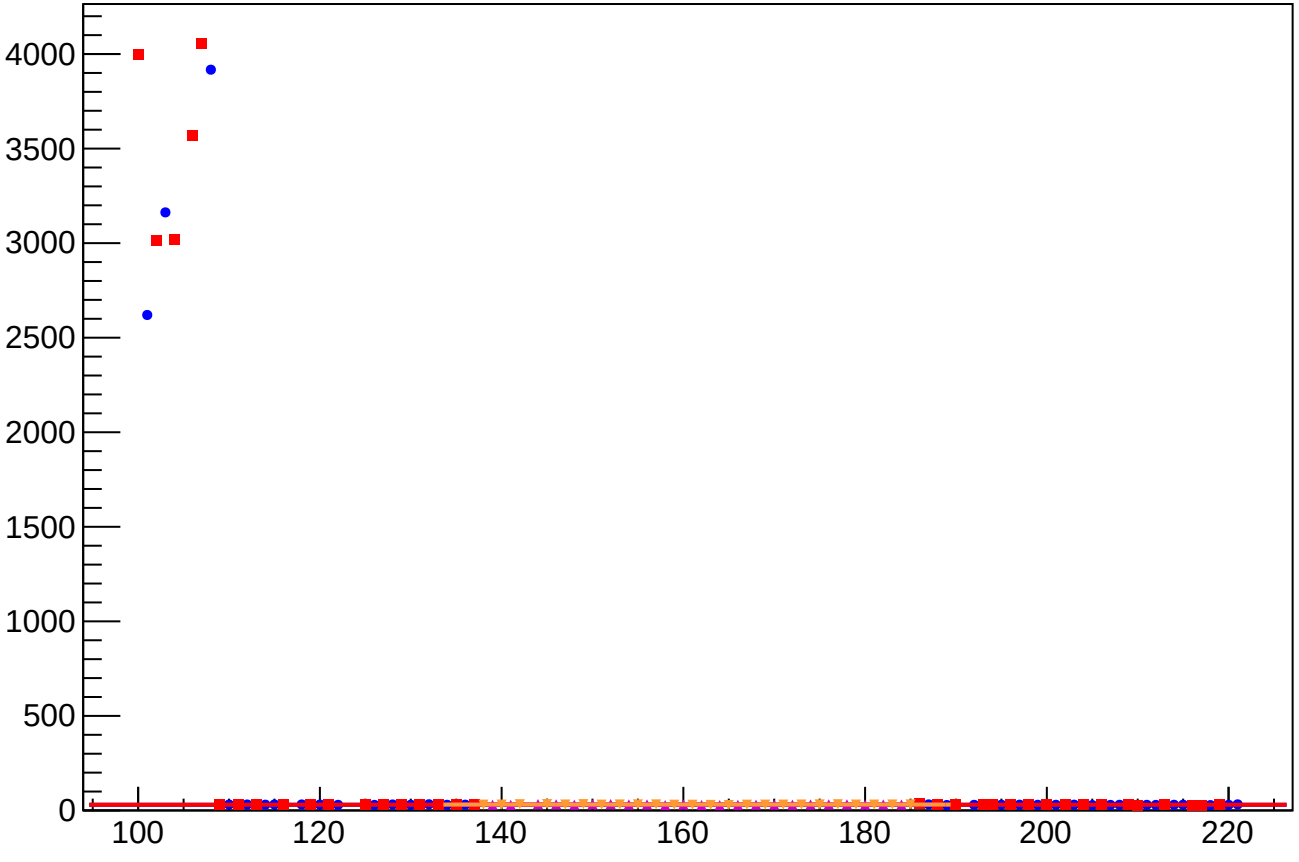
Right: 1.127+/-4.795 χ^2/NDF: 79.5/68

In: 1.161+/-4.935 χ^2/NDF:70.1/56

Out: -9.869+/-5.005 χ^2/NDF:67.8/58

All: -4.276+/-3.514 χ^2/NDF: 140.3/115

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: 30.136+/-0.005 χ^2/NDF: 3589735.4/34

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

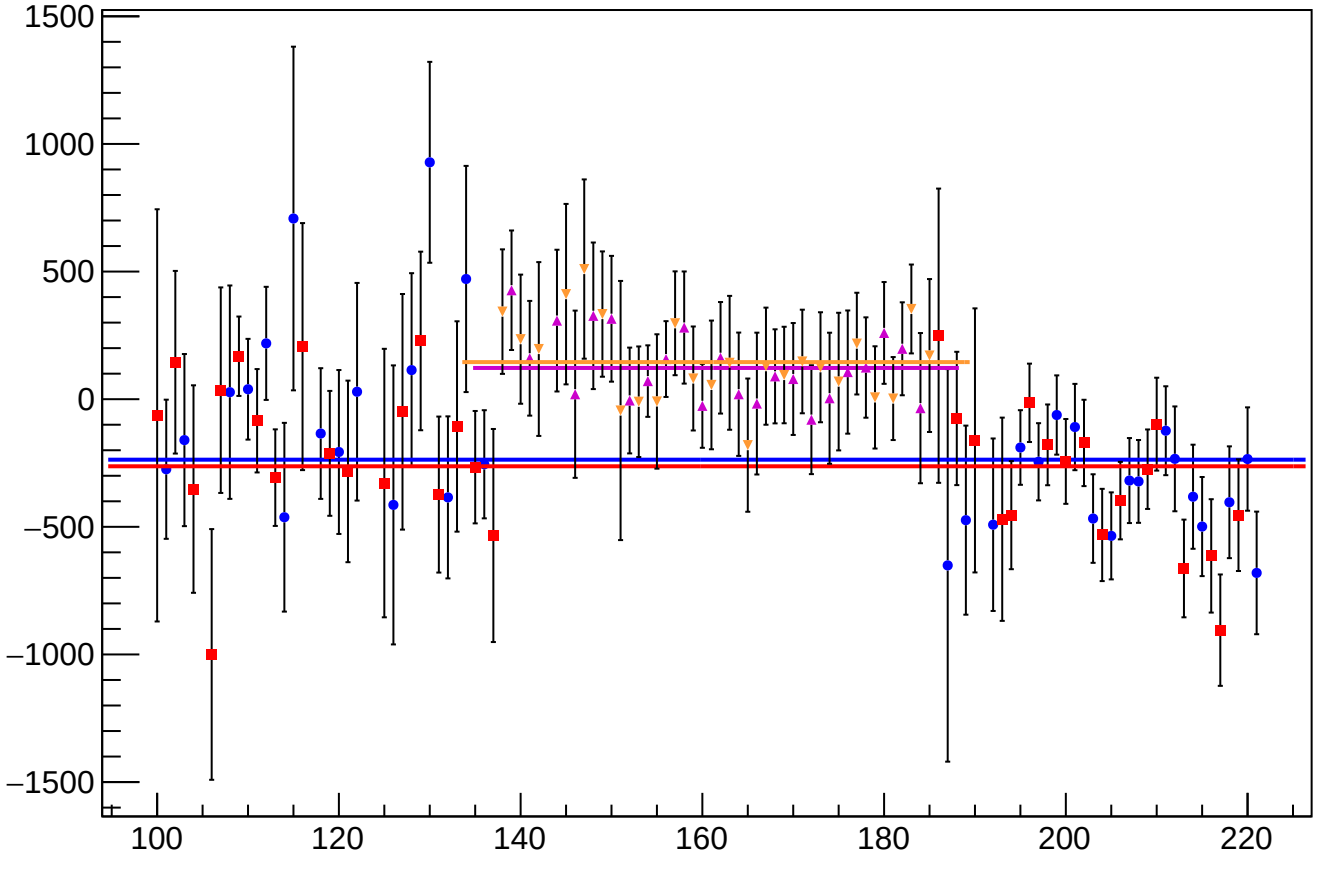
Right: 30.114+/-0.003 χ^2/NDF: 6881703.7/68

In: 30.674+/-0.003 χ^2/NDF:3410747.9/56

Out: 30.652+/-0.004 χ^2/NDF:3660630.8/58

All: 30.663+/-0.002 χ^2/NDF: 7071398.5/115

asym_bcm_dg_us_an_us_avg_mean vs Slug, Sign Corrected



Right In: -236.955+/-38.798 χ^2/NDF: 37.4/33

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -262.832+/-39.335 χ^2/NDF: 42.4/34

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

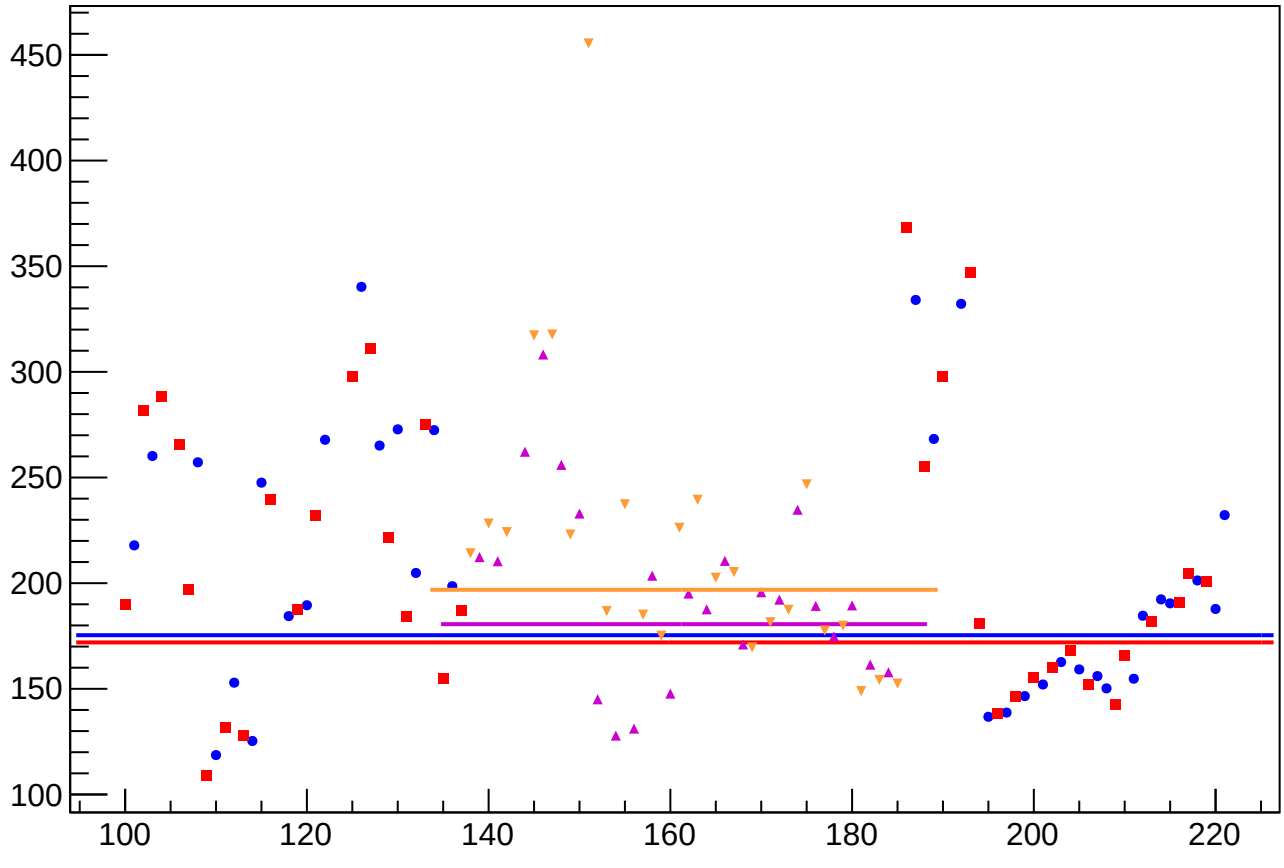
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -249.715+/-27.622 χ^2/NDF: 80.0/68

In: -80.104+/-29.124 χ^2/NDF:82.7/56

Out: -96.343+/-30.267 χ^2/NDF:95.7/58

All: -87.911+/-20.986 χ^2/NDF: 178.5/115



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: 171.960+/-0.028 χ^2/NDF: 2865390.7/34

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

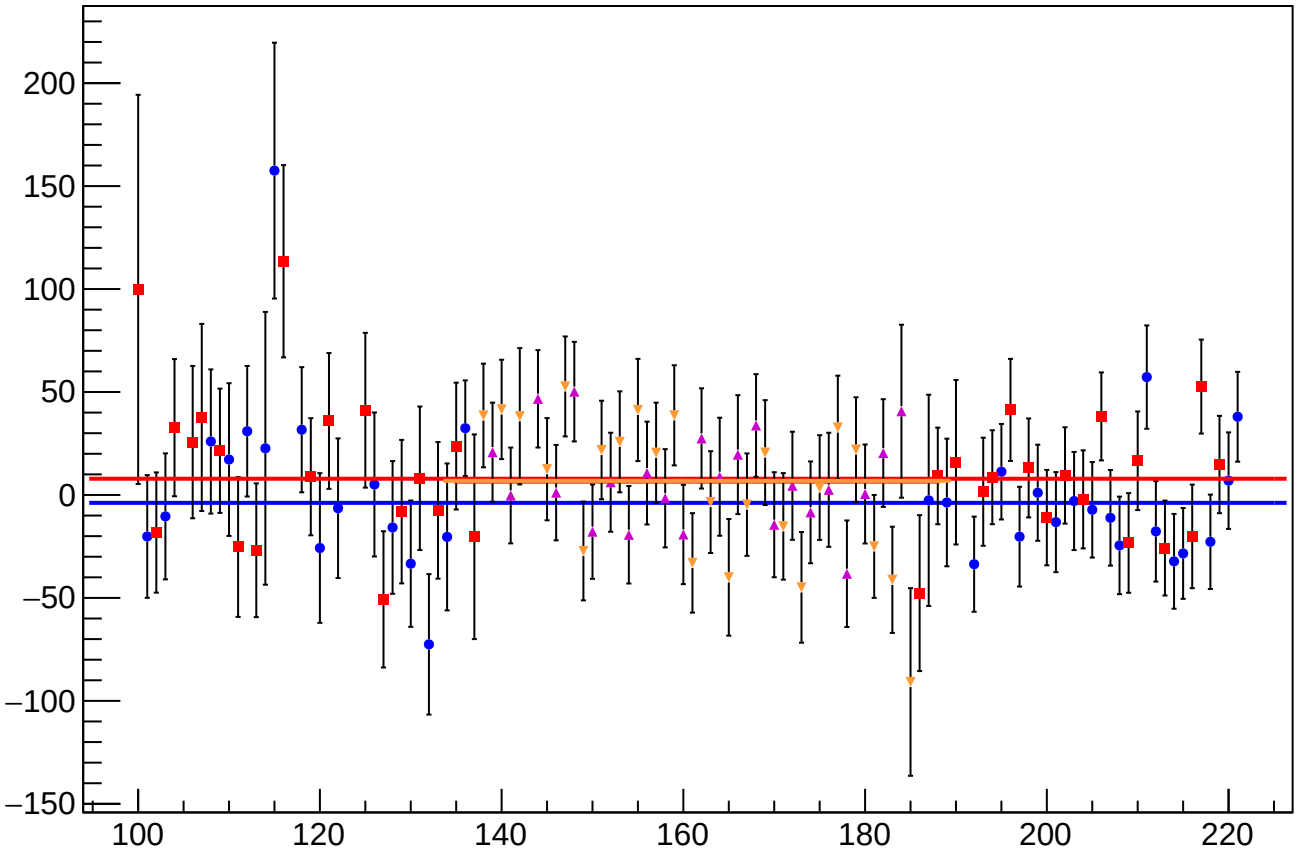
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 173.691+/-0.020 χ^2/NDF: 5339430.3/68

In: 177.656+/-0.021 χ^2/NDF:4110314.1/56

Out: 182.123+/-0.021 χ^2/NDF:4917743.0/58

All: 179.804+/-0.015 χ^2/NDF: 9050668.6/115



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: 7.884+/-4.839 χ^2/NDF: 32.1/34

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

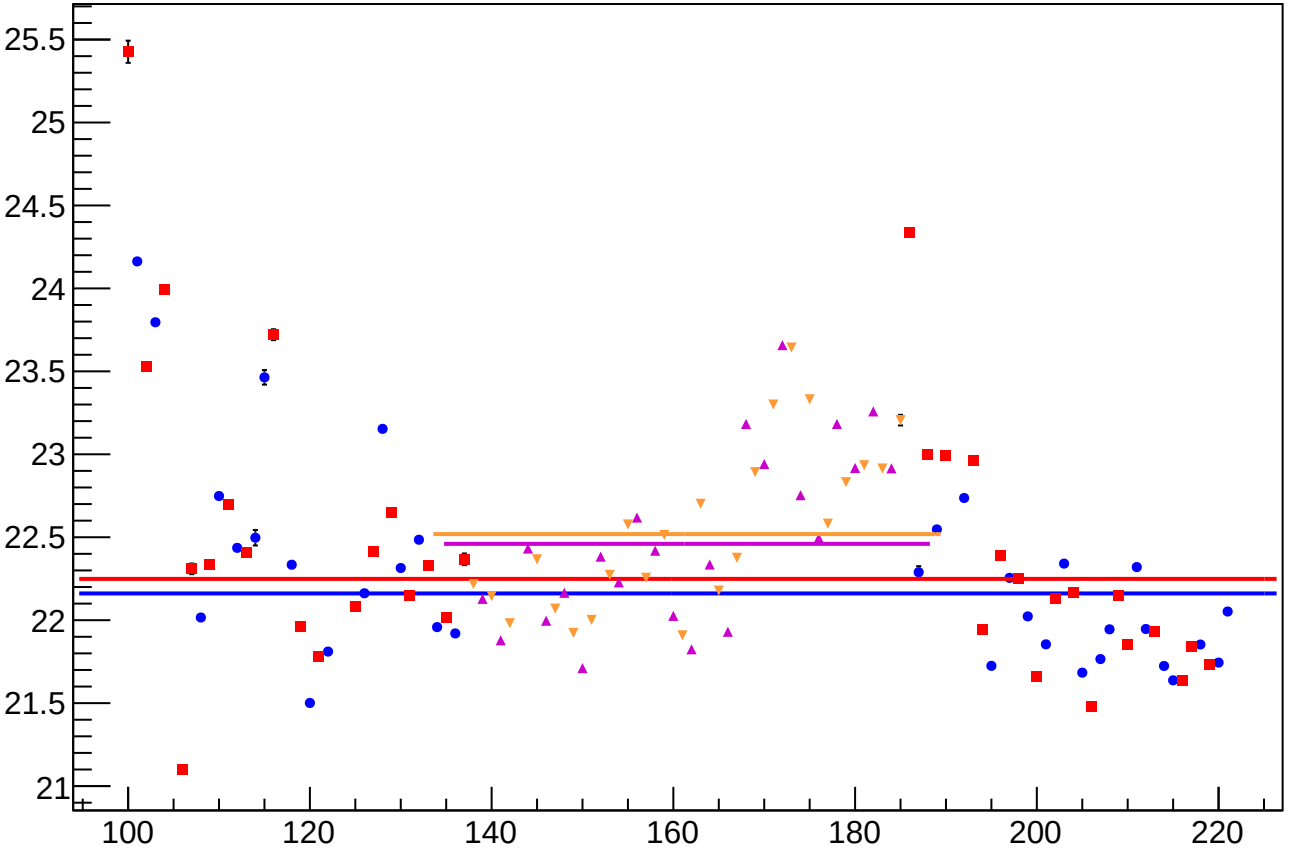
Right: 1.876+/-3.377 χ^2/NDF: 71.4/68

In: 0.778+/-3.507 χ^2/NDF:55.9/56

Out: 7.410+/-3.551 χ^2/NDF:69.0/58

All: 4.053+/-2.496 χ^2/NDF: 126.6/115

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: 22.249+/-0.003 χ^2/NDF: 35471.0/34

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

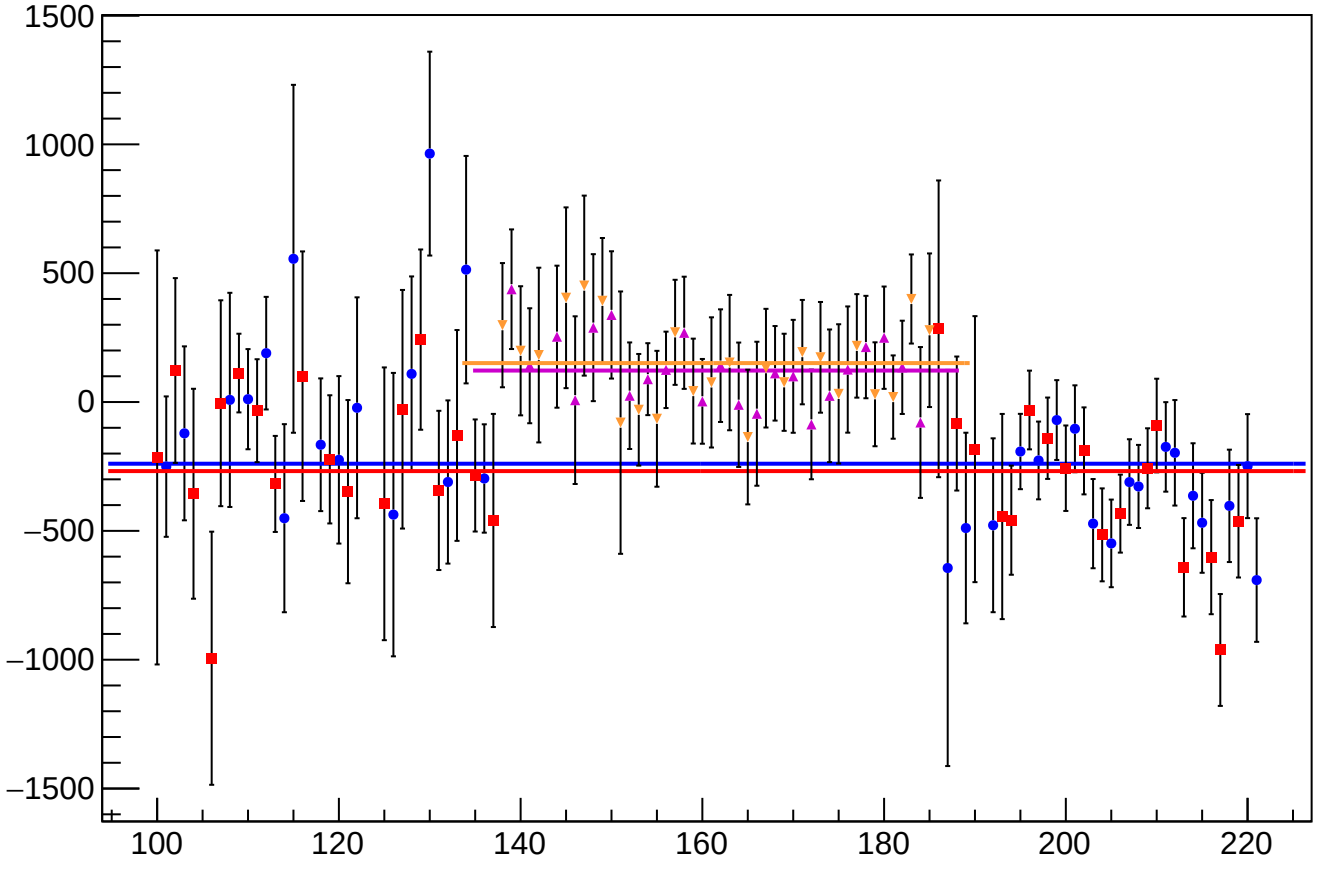
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.204+/-0.002 χ^2/NDF: 63029.1/68

In: 22.295+/-0.002 χ^2/NDF:49929.0/56

Out: 22.374+/-0.003 χ^2/NDF:54340.4/58

All: 22.334+/-0.002 χ^2/NDF: 104766.4/115



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: -268.017+/-39.179 χ^2/NDF: 41.9/34

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

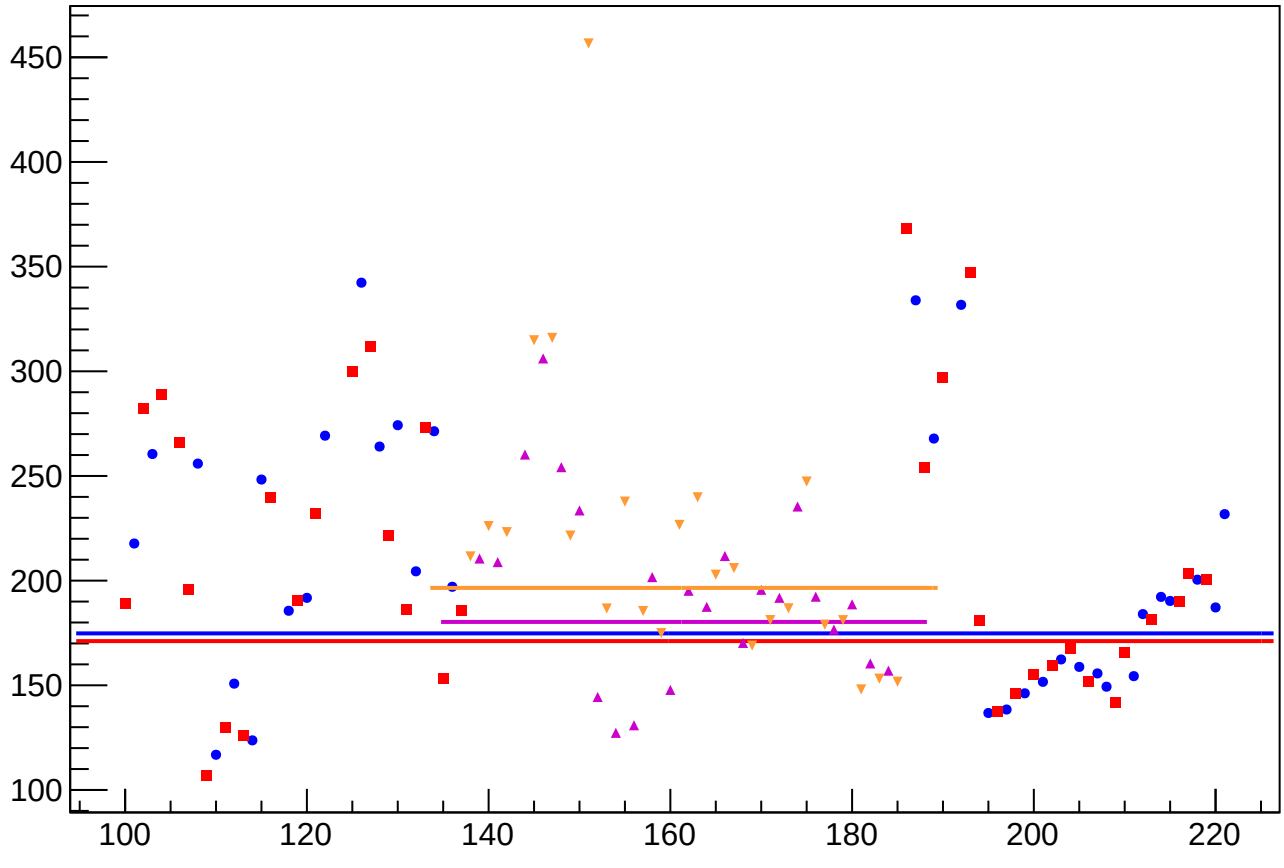
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -253.526+/-27.528 χ^2/NDF: 78.3/68

In: -81.777+/-29.055 χ^2/NDF:81.7/56

Out: -97.537+/-30.177 χ^2/NDF:98.4/58

All: -89.359+/-20.930 χ^2/NDF: 180.3/115



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: 171.115+/-0.028 χ^2/NDF: 2935242.9/34

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

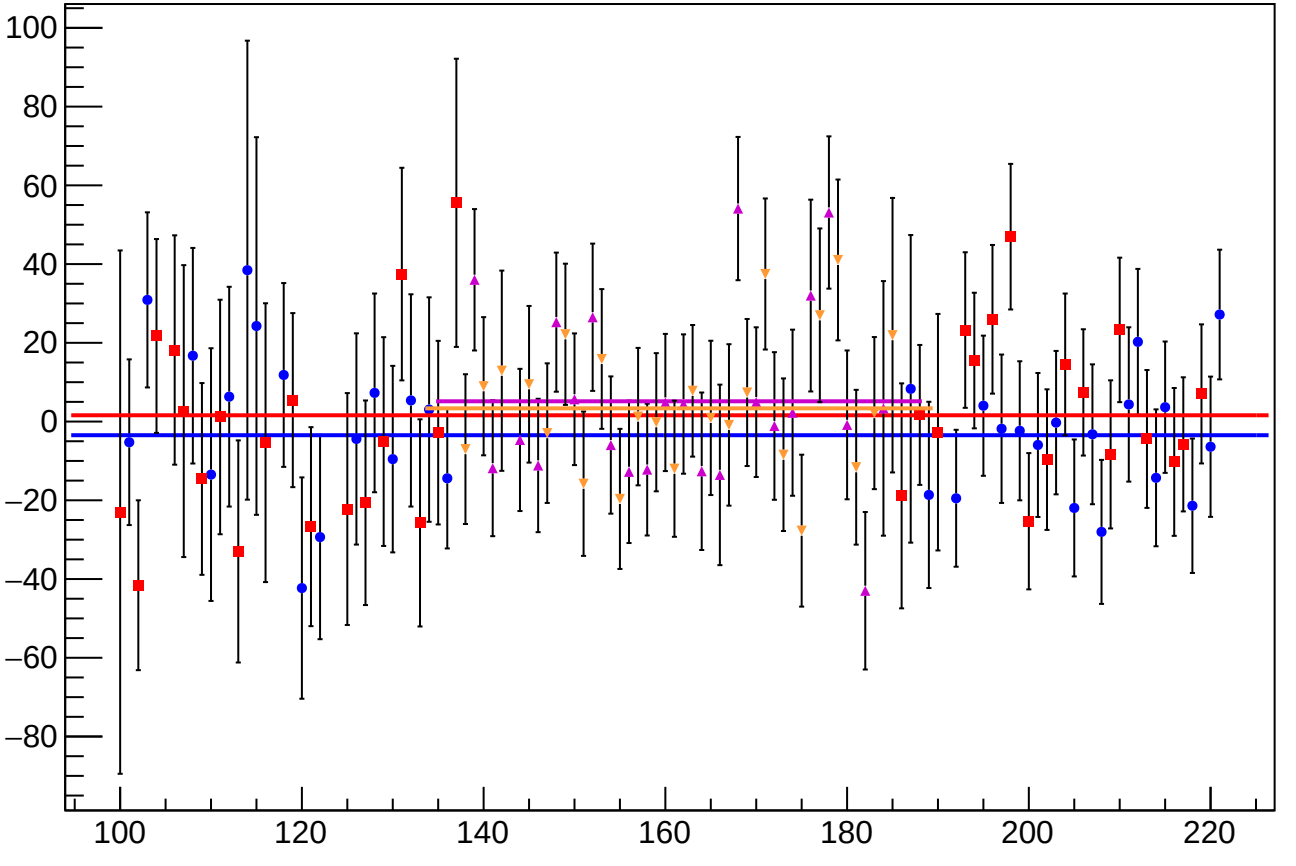
Right: 172.981+/-0.019 χ^2/NDF: 5443311.0/68

In: 177.186+/-0.021 χ^2/NDF:4141259.4/56

Out: 181.454+/-0.021 χ^2/NDF:5005534.2/58

All: 179.239+/-0.015 χ^2/NDF: 9167554.6/115

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: 1.597+/-3.701 χ^2/NDF: 30.9/34

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

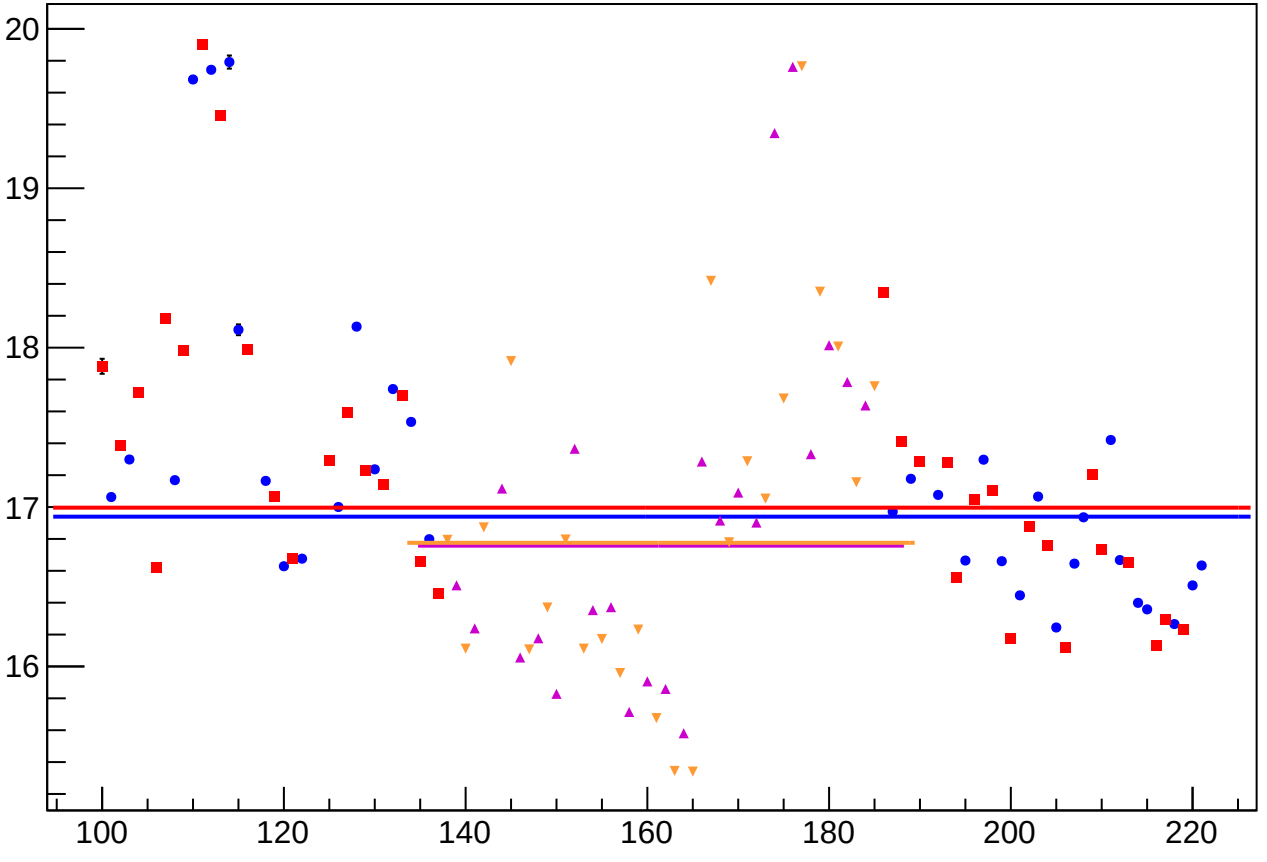
Right: -0.998+/-2.584 χ^2/NDF: 51.5/68

In: 0.483+/-2.657 χ^2/NDF:54.5/56

Out: 2.431+/-2.686 χ^2/NDF:48.7/58

All: 1.446+/-1.889 χ^2/NDF: 103.5/115

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: 16.996+/-0.003 χ^2/NDF: 79525.4/34

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

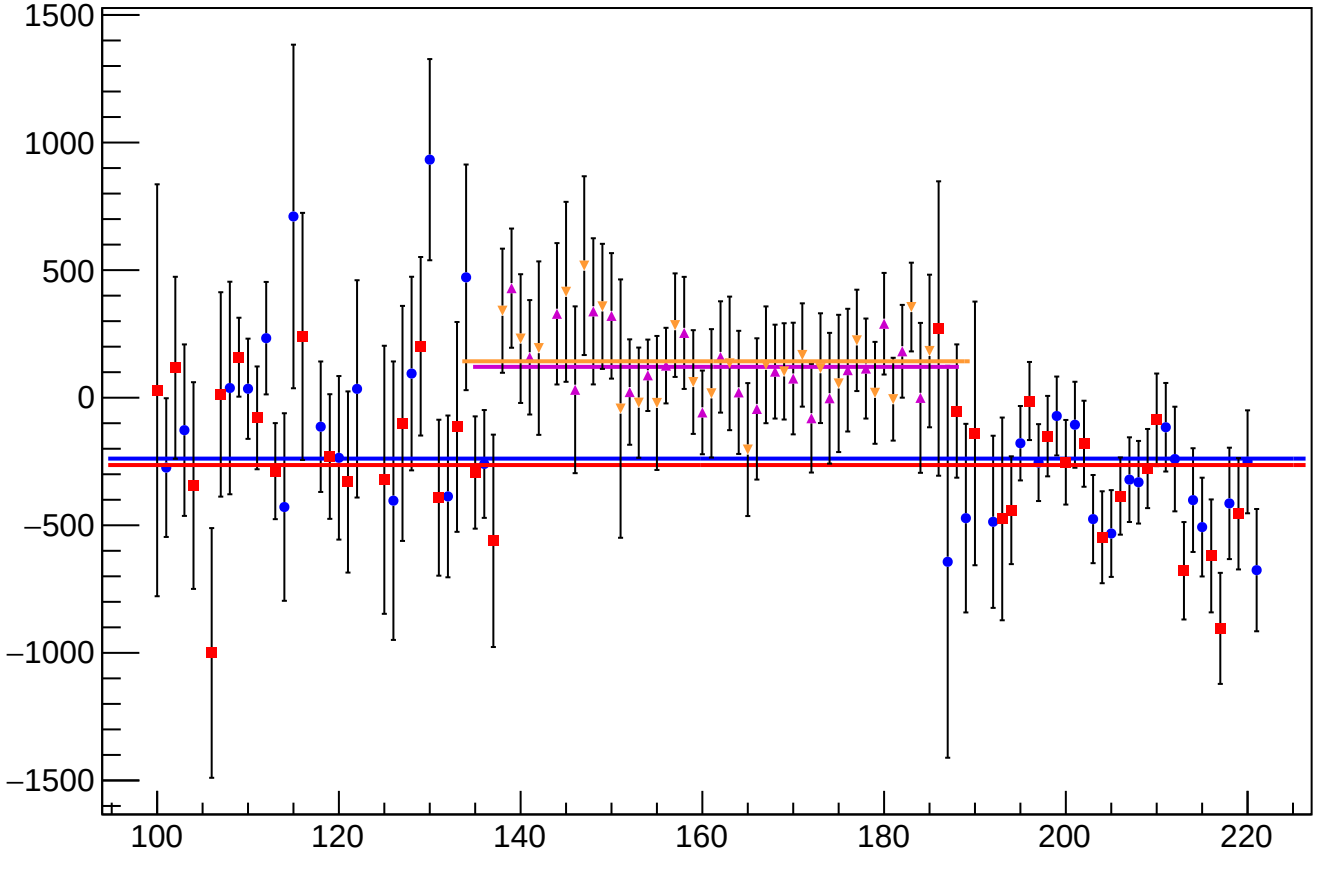
Right: 16.967+/-0.002 χ^2/NDF: 147743.3/68

In: 16.856+/-0.002 χ^2/NDF:193613.9/56

Out: 16.892+/-0.002 χ^2/NDF:219027.9/58

All: 16.874+/-0.001 χ^2/NDF: 412819.0/115

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



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: -263.911+/-39.218 χ^2/NDF: 43.1/34

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

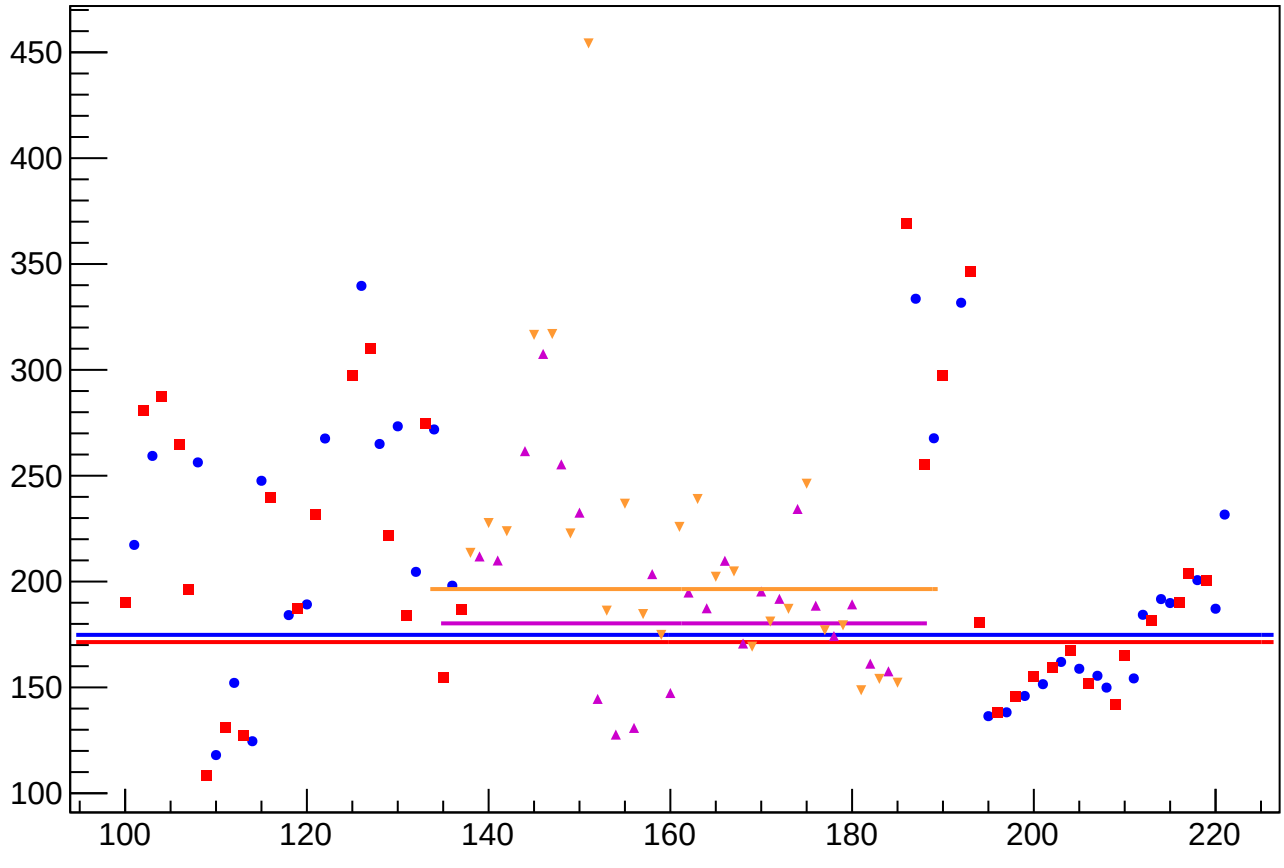
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -251.116+/-27.540 χ^2/NDF: 81.4/68

In: -81.903+/-29.050 χ^2/NDF:84.1/56

Out: -98.209+/-30.187 χ^2/NDF:97.0/58

All: -89.743+/-20.932 χ^2/NDF: 181.3/115



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: 171.411+/-0.028 χ^2/NDF: 2883285.9/34

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

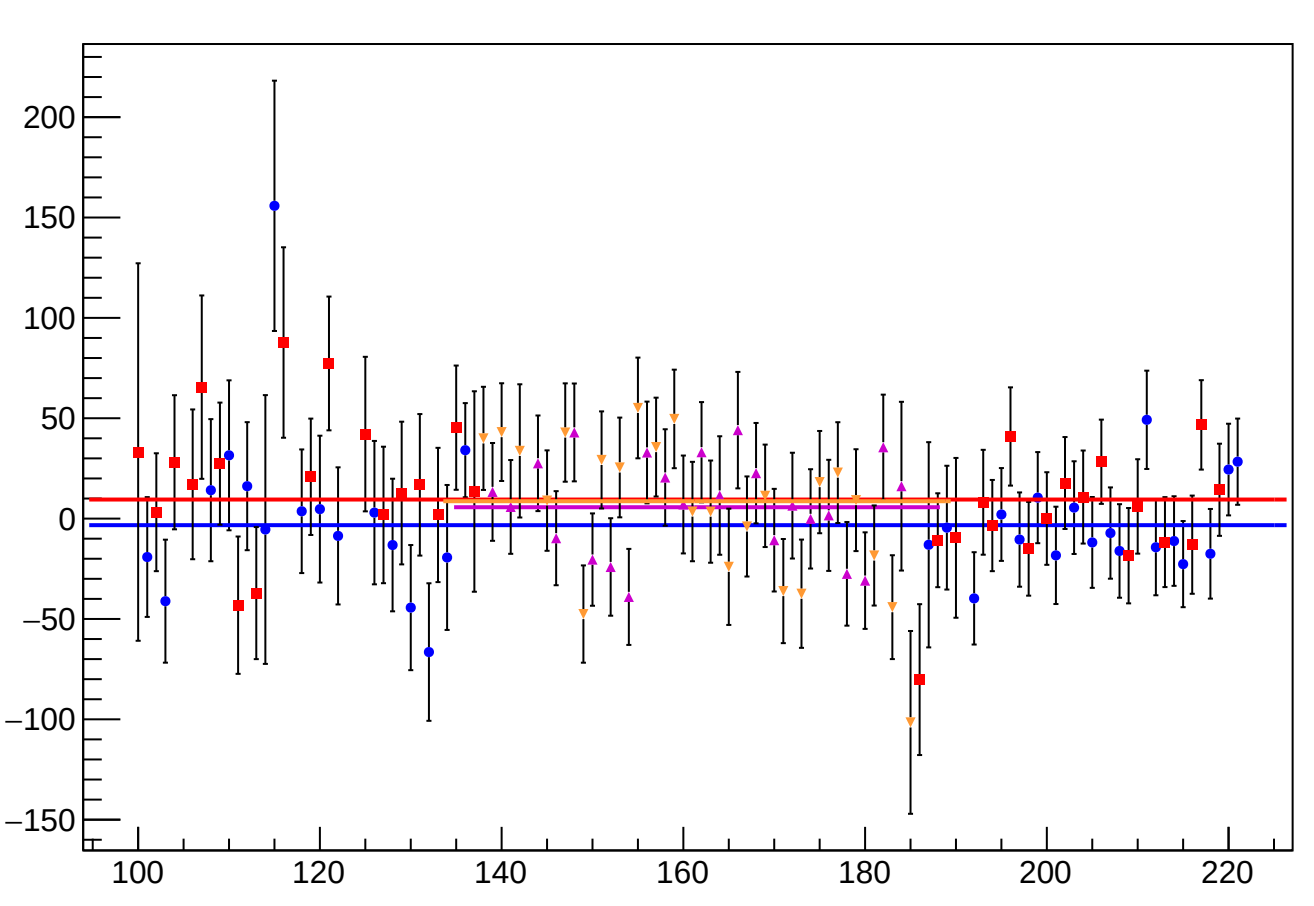
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 173.138+/-0.019 χ^2/NDF: 5370535.7/68

In: 177.186+/-0.021 χ^2/NDF:4124545.1/56

Out: 181.616+/-0.021 χ^2/NDF:4939104.3/58

All: 179.316+/-0.015 χ^2/NDF: 9086007.5/115



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: 9.499+/-4.801 χ^2/NDF: 32.8/34

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

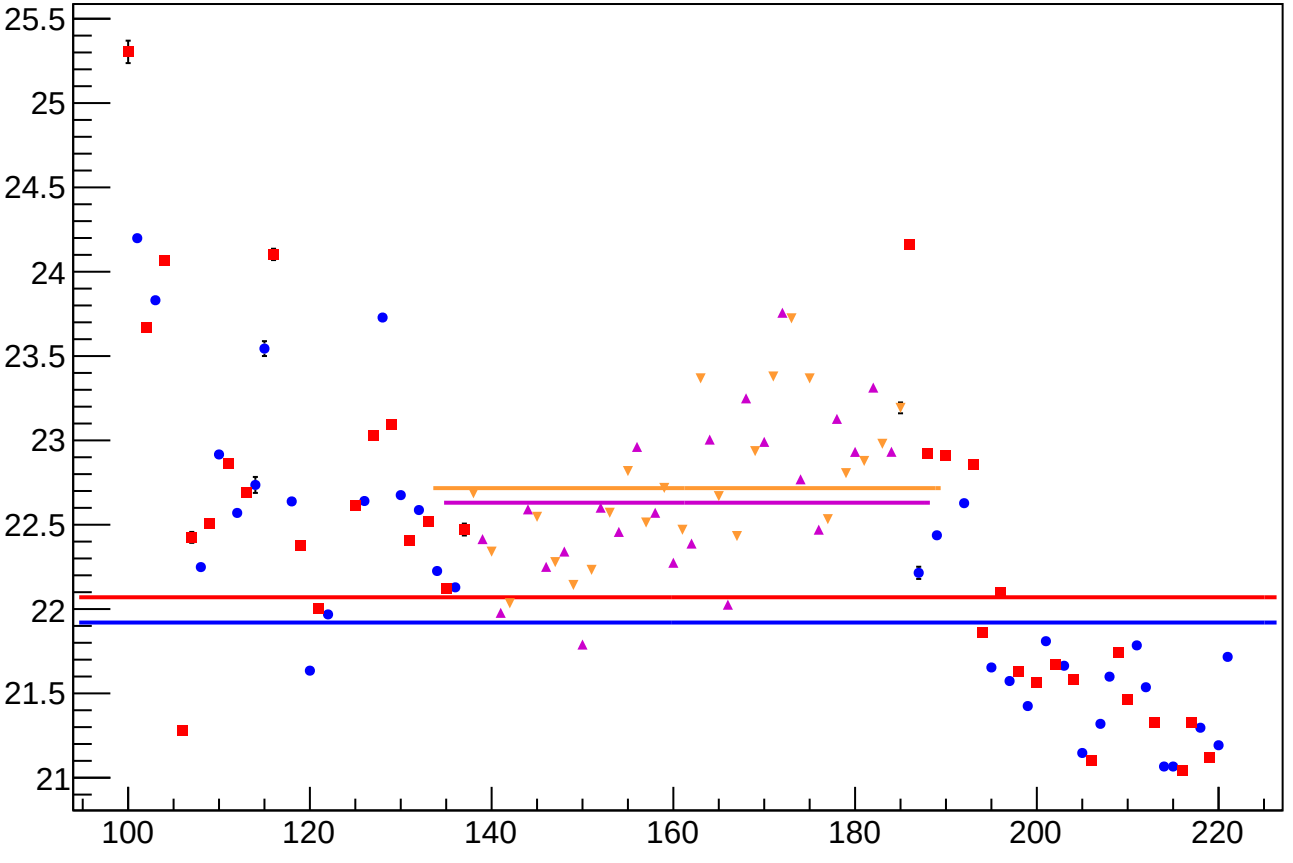
Right: 2.931+/-3.346 χ^2/NDF: 68.2/68

In: 0.643+/-3.498 χ^2/NDF:54.2/56

Out: 9.121+/-3.551 χ^2/NDF:71.9/58

All: 4.819+/-2.492 χ^2/NDF: 129.0/115

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: 22.070+/-0.003 χ^2/NDF: 59165.2/34

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

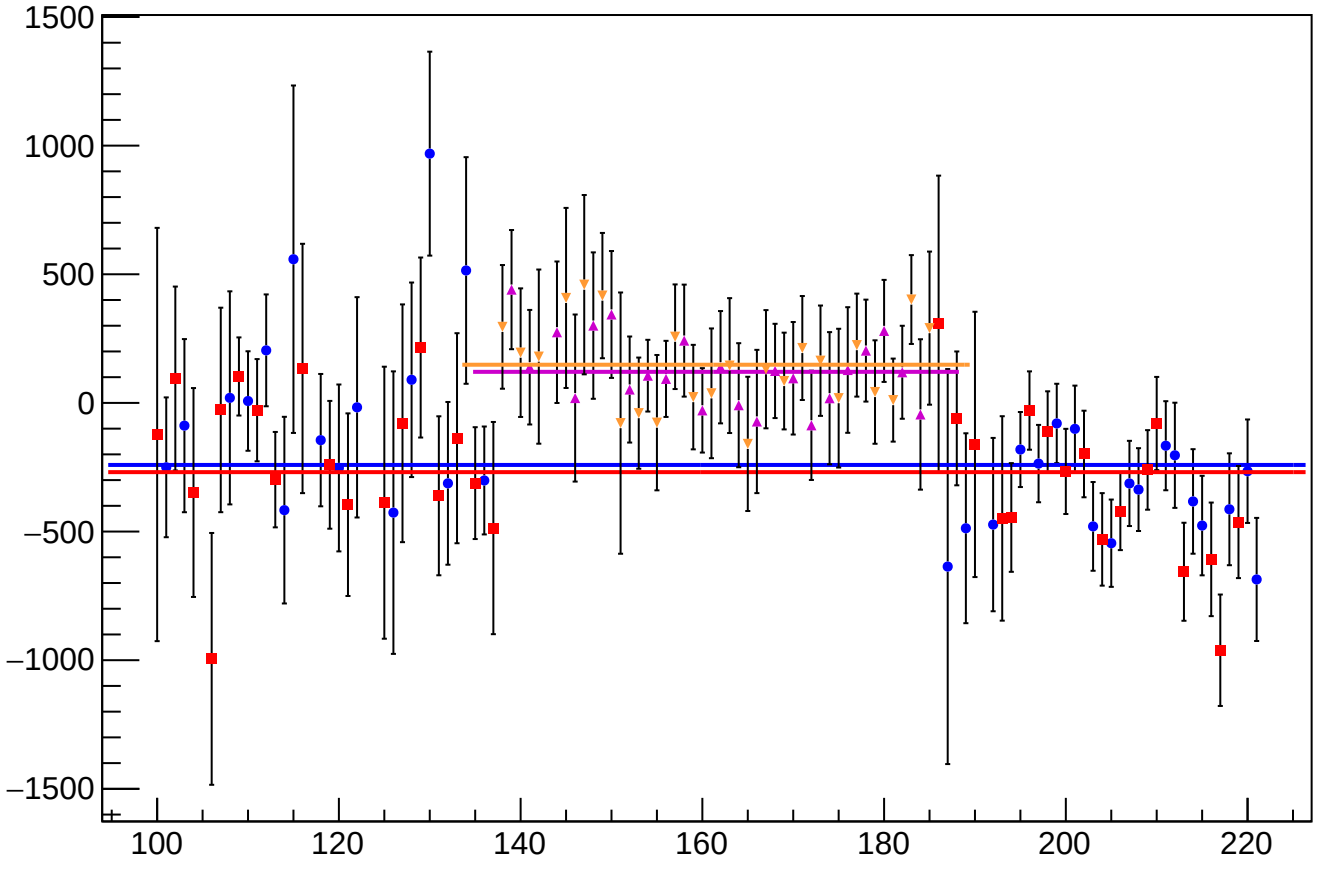
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 21.993+/-0.002 χ^2/NDF: 112957.7/68

In: 22.231+/-0.002 χ^2/NDF:88486.2/56

Out: 22.363+/-0.003 χ^2/NDF:87802.0/58

All: 22.296+/-0.002 χ^2/NDF: 177688.3/115



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: -269.065+/-39.061 χ^2/NDF: 42.6/34

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

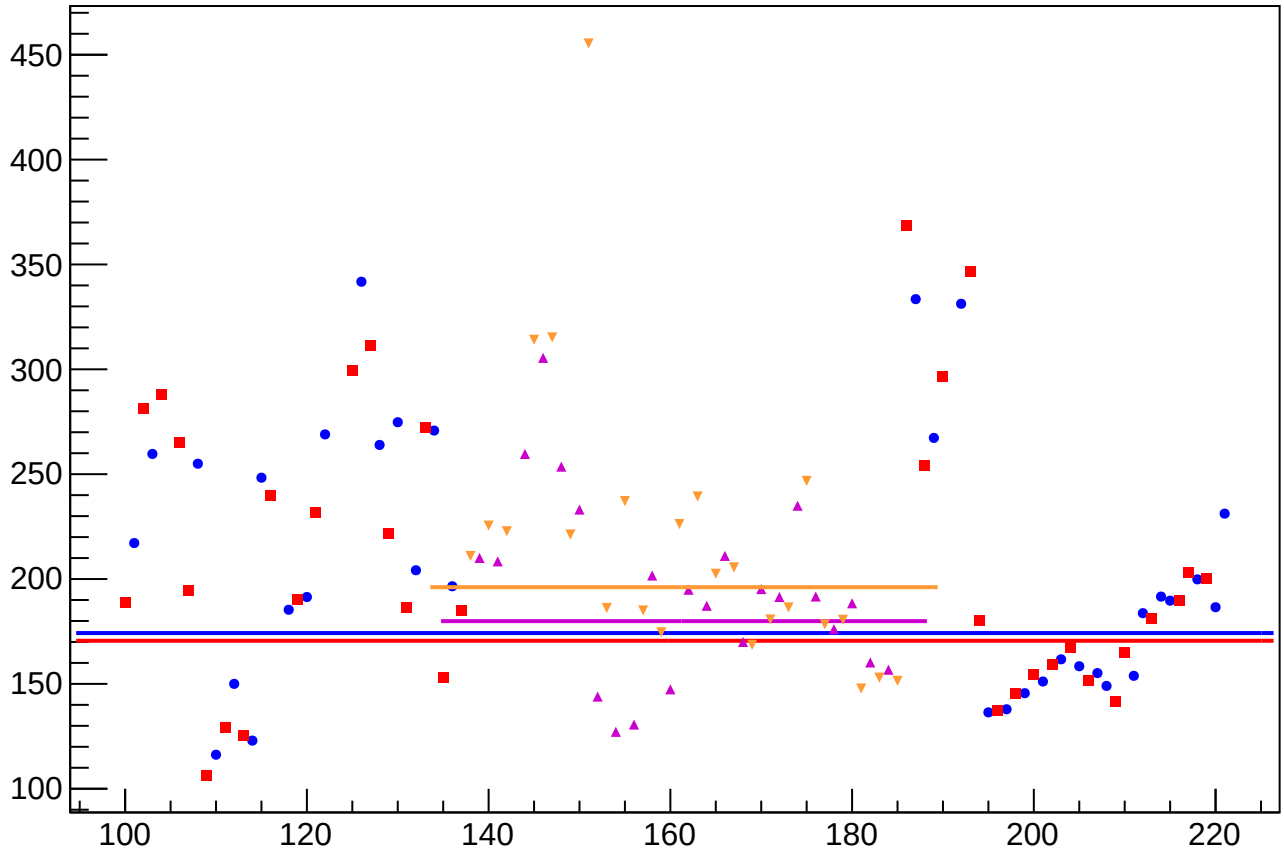
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -254.901+/-27.445 χ^2/NDF: 79.8/68

In: -83.537+/-28.981 χ^2/NDF:83.1/56

Out: -99.420+/-30.096 χ^2/NDF:99.9/58

All: -91.179+/-20.876 χ^2/NDF: 183.2/115



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: 170.560+/-0.028 χ^2/NDF: 2954039.6/34

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

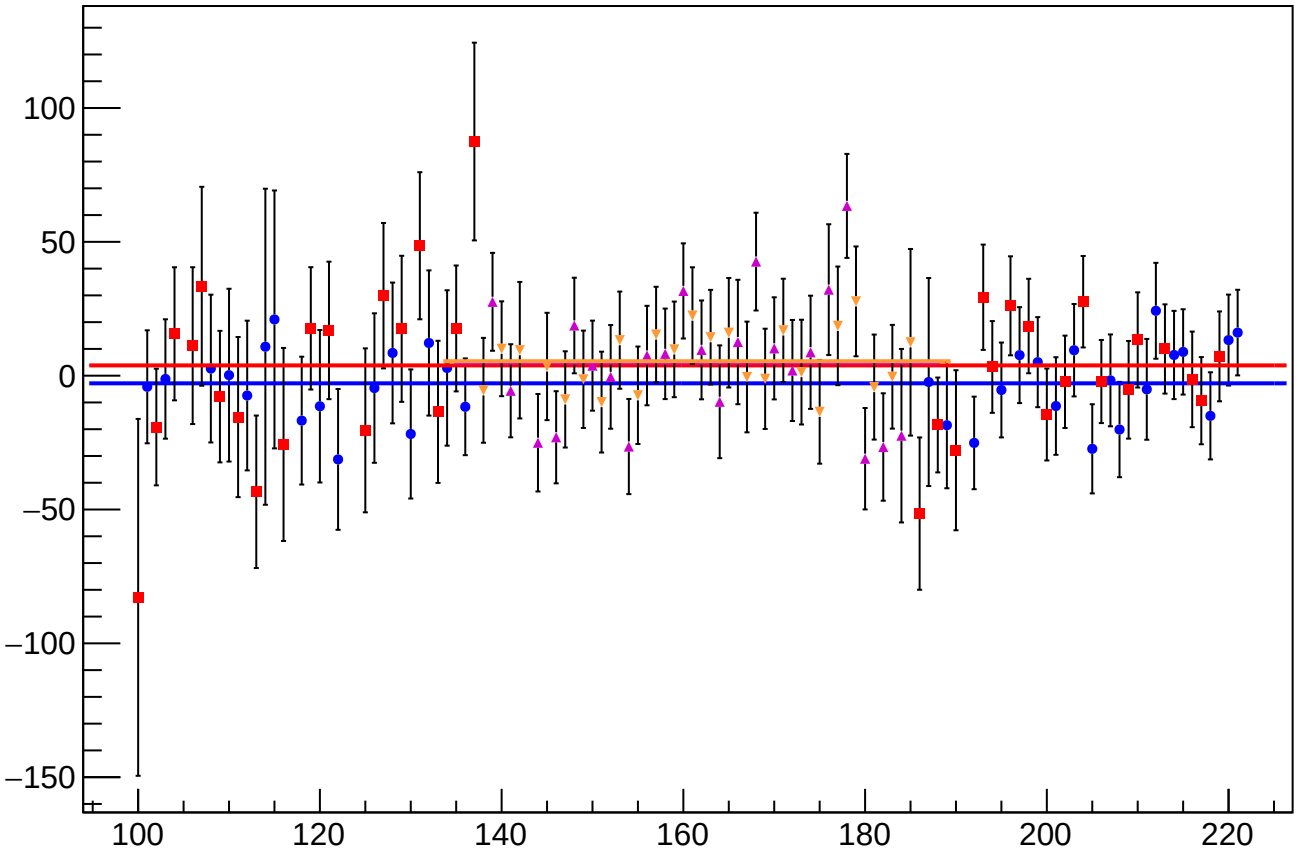
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 172.423+/-0.019 χ^2/NDF: 5475858.6/68

In: 176.714+/-0.020 χ^2/NDF:4155891.3/56

Out: 180.943+/-0.021 χ^2/NDF:5028091.7/58

All: 178.749+/-0.015 χ^2/NDF: 9204471.7/115



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: 3.843+/-3.644 χ^2/NDF: 33.9/34

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

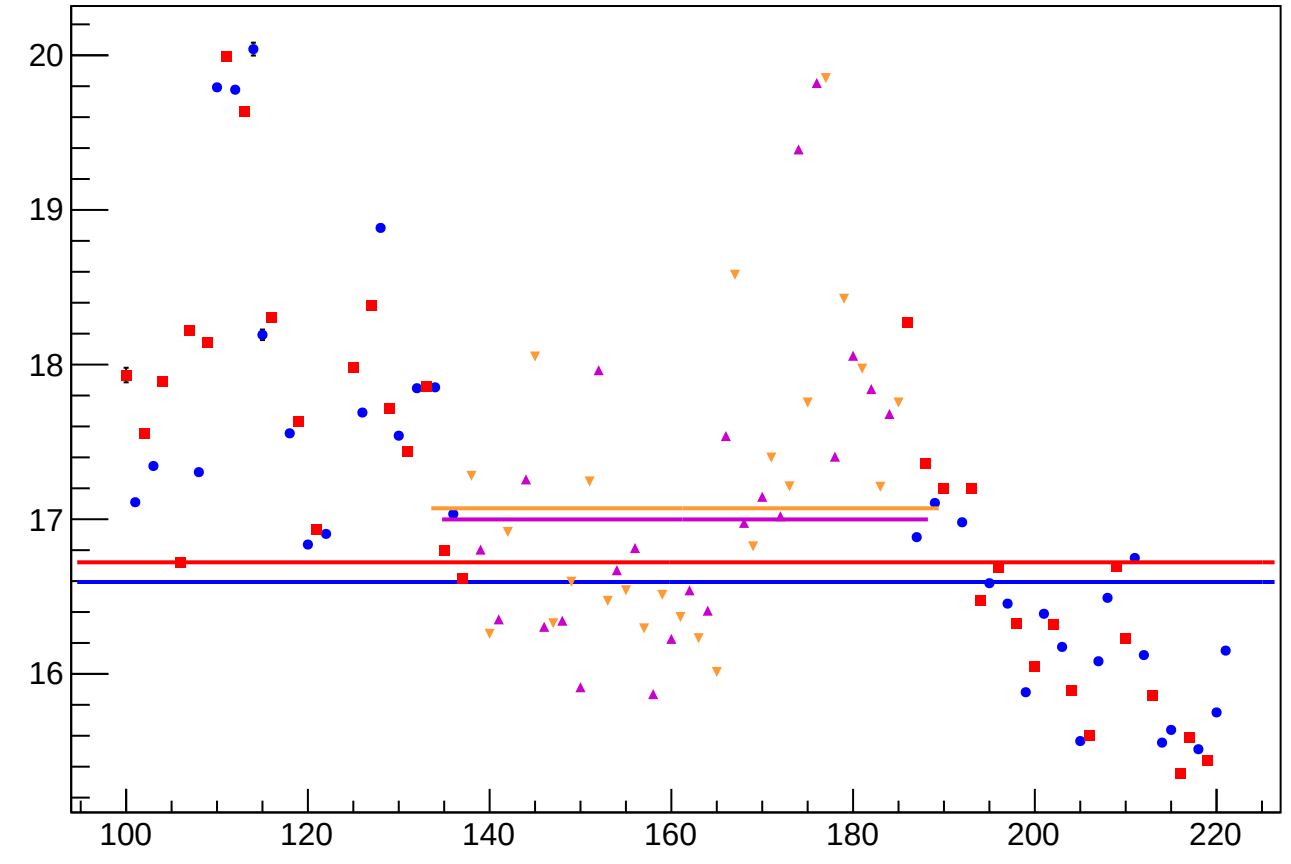
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: 0.395+/-2.539 χ^2/NDF: 51.6/68

In: 0.550+/-2.644 χ^2/NDF:53.6/56

Out: 4.557+/-2.685 χ^2/NDF:41.7/58

All: 2.523+/-1.884 χ^2/NDF: 96.5/115



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: 16.721+/-0.003 χ^2/NDF: 159335.3/34

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

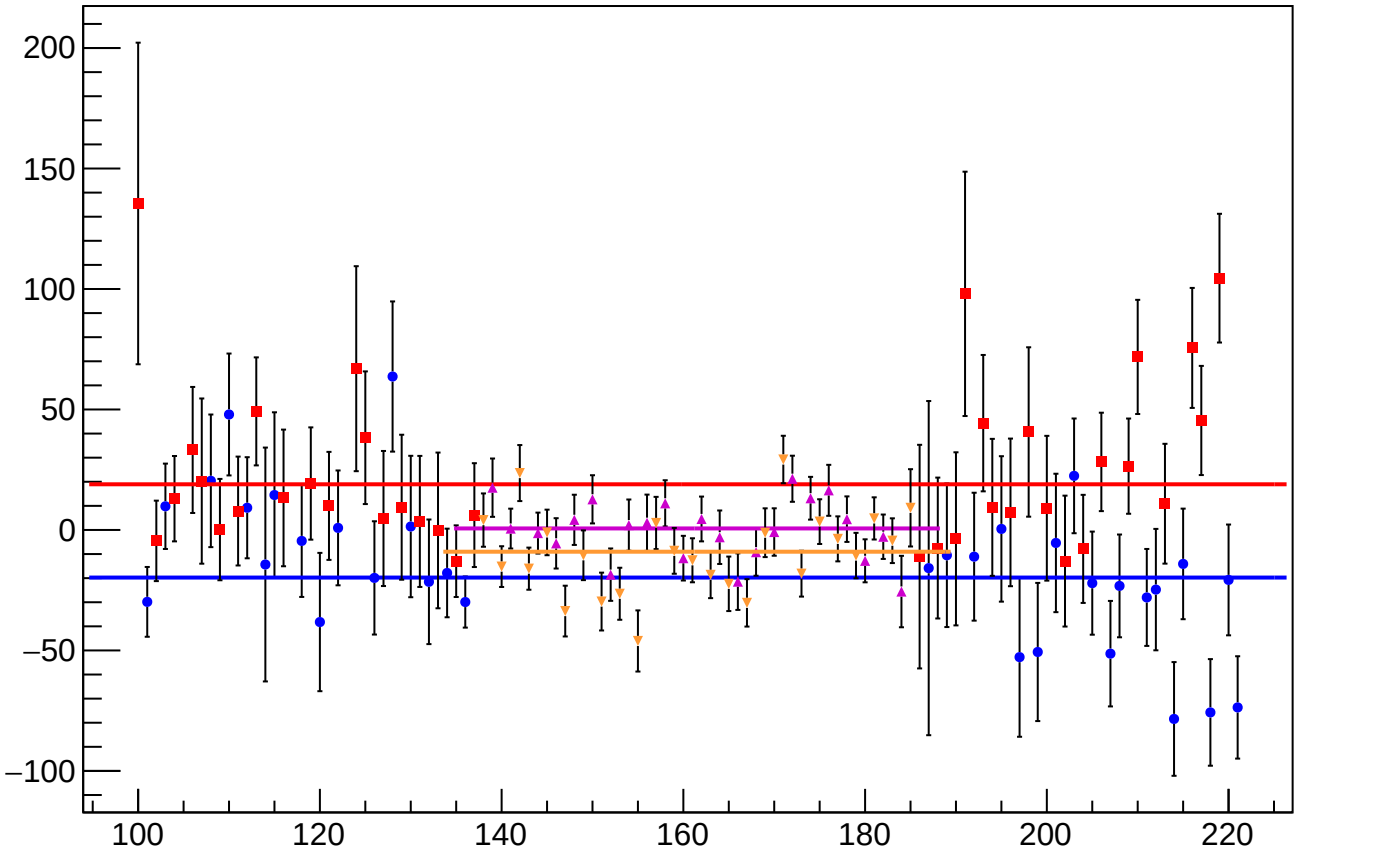
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 16.656+/-0.002 χ^2/NDF: 302787.4/68

In: 16.773+/-0.002 χ^2/NDF:257755.7/56

Out: 16.881+/-0.002 χ^2/NDF:264042.2/58

All: 16.826+/-0.001 χ^2/NDF: 523449.9/115



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: 18.953+/-4.125 χ^2/NDF: 46.9/36

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

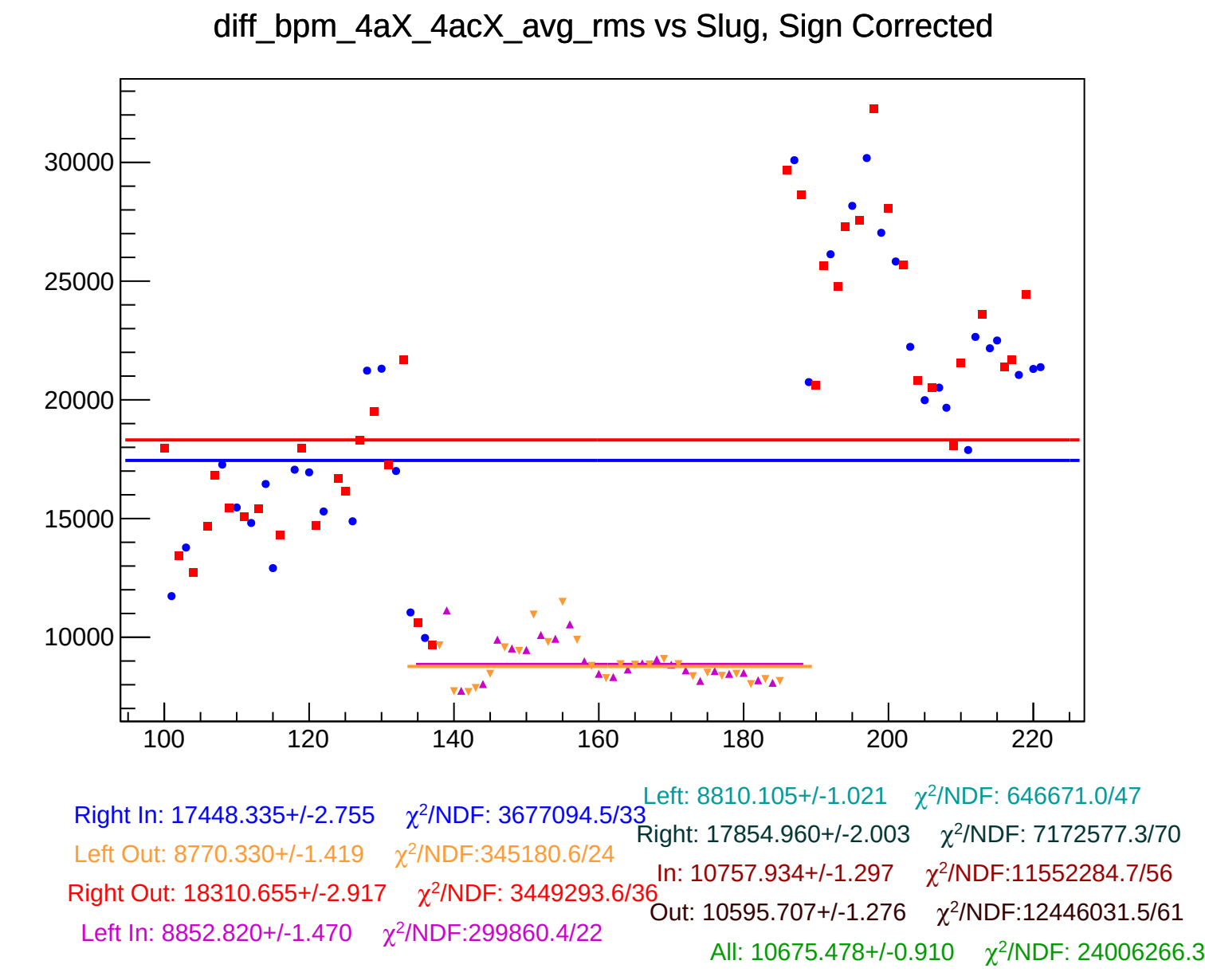
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: -1.503+/-2.833 χ^2/NDF: 146.7/70

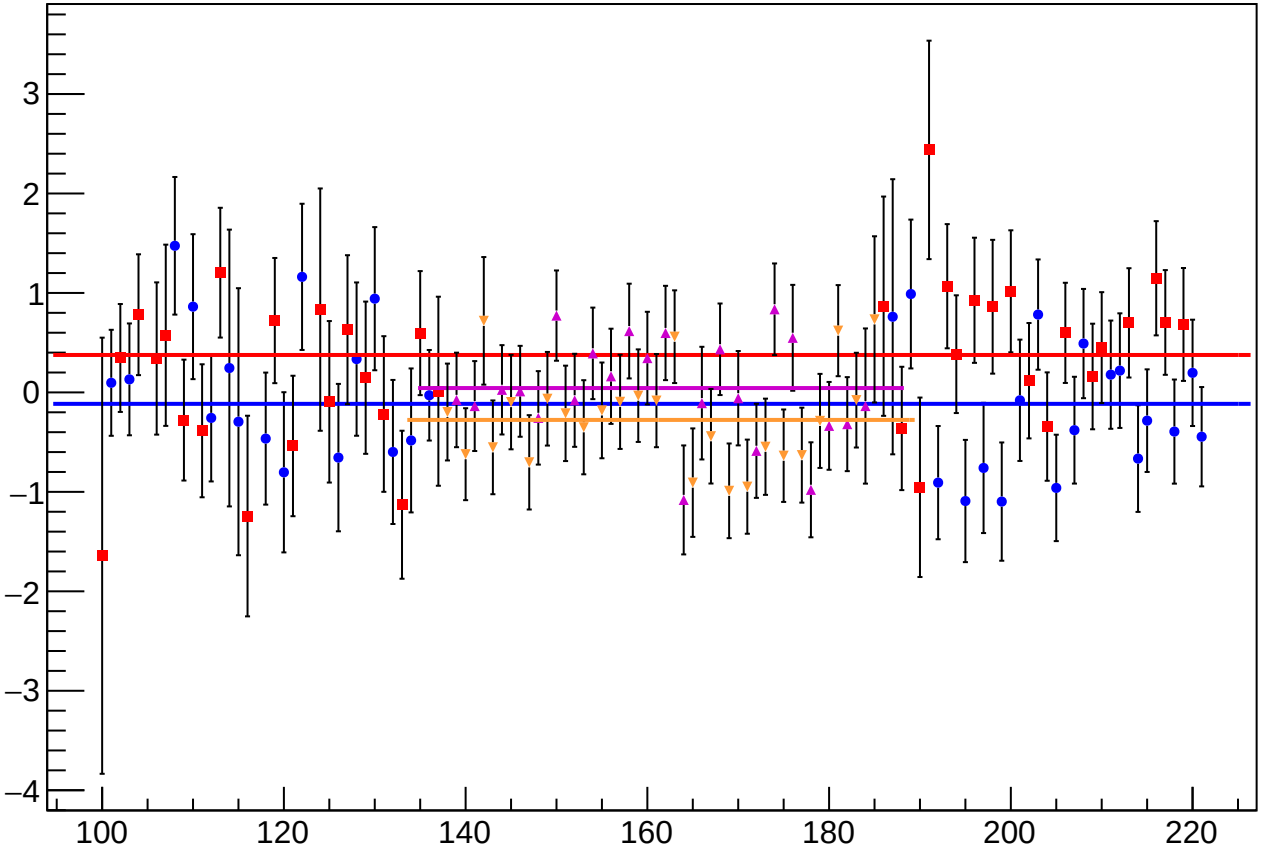
In: -3.890+/-1.834 χ^2/NDF:104.1/56

Out: -3.674+/-1.804 χ^2/NDF:146.1/61

All: -3.780+/-1.286 χ^2/NDF: 250.2/118


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17448.335+/-2.755 χ²/NDF: 3677094.5/33
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 18310.655+/-2.917 χ²/NDF: 3449293.6/36
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 17854.960+/-2.003 χ²/NDF: 7172577.3/70
In: 10757.934+/-1.297 χ²/NDF:11552284.7/56
Out: 10595.707+/-1.276 χ²/NDF:12446031.5/61
All: 10675.478+/-0.910 χ²/NDF: 24006266.3

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



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: 0.376+/-0.110 χ^2/NDF: 31.7/36

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

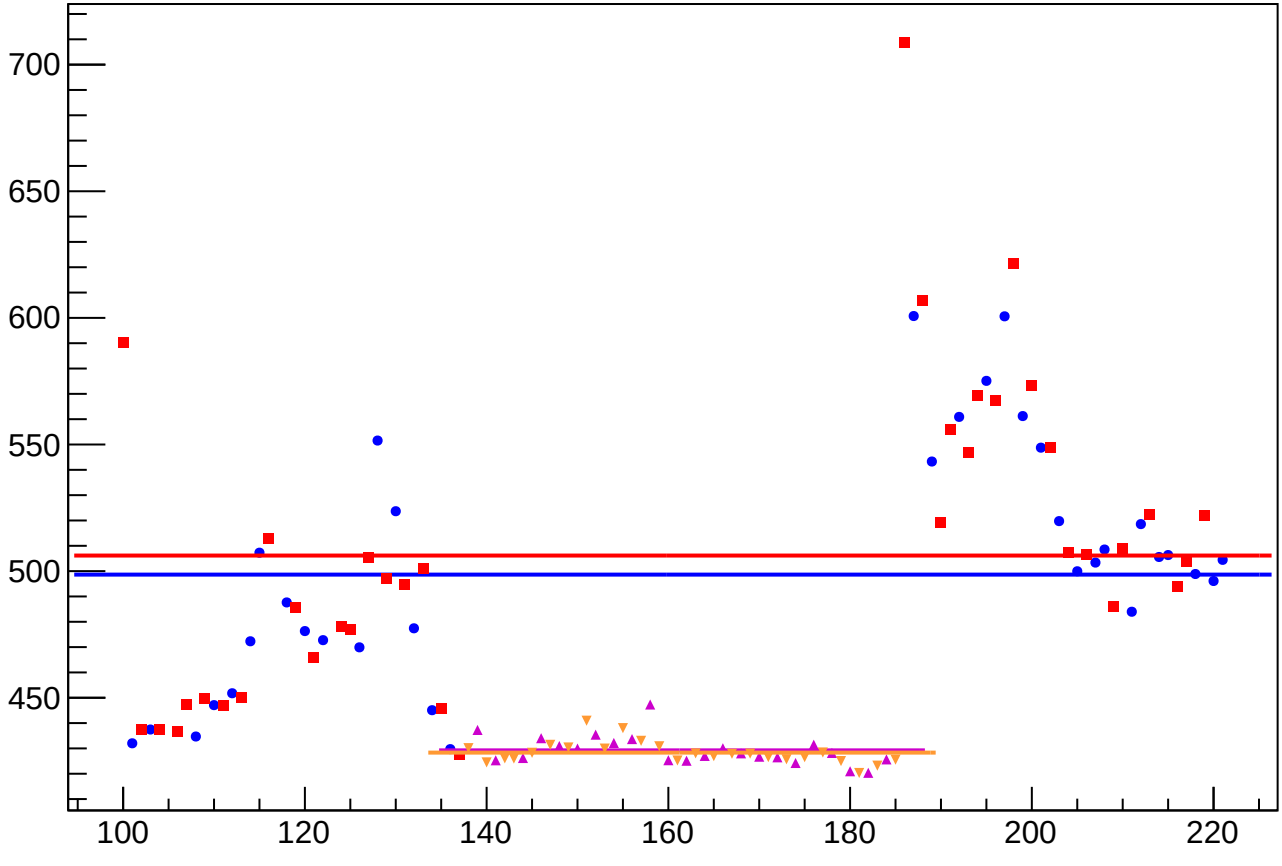
Right: 0.124+/-0.076 χ^2/NDF: 77.5/70

In: -0.031+/-0.073 χ^2/NDF:60.5/56

Out: 0.011+/-0.073 χ^2/NDF:72.6/61

All: -0.010+/-0.052 χ^2/NDF: 133.2/118

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: 506.155+/-0.078 χ^2/NDF: 454195.0/36

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

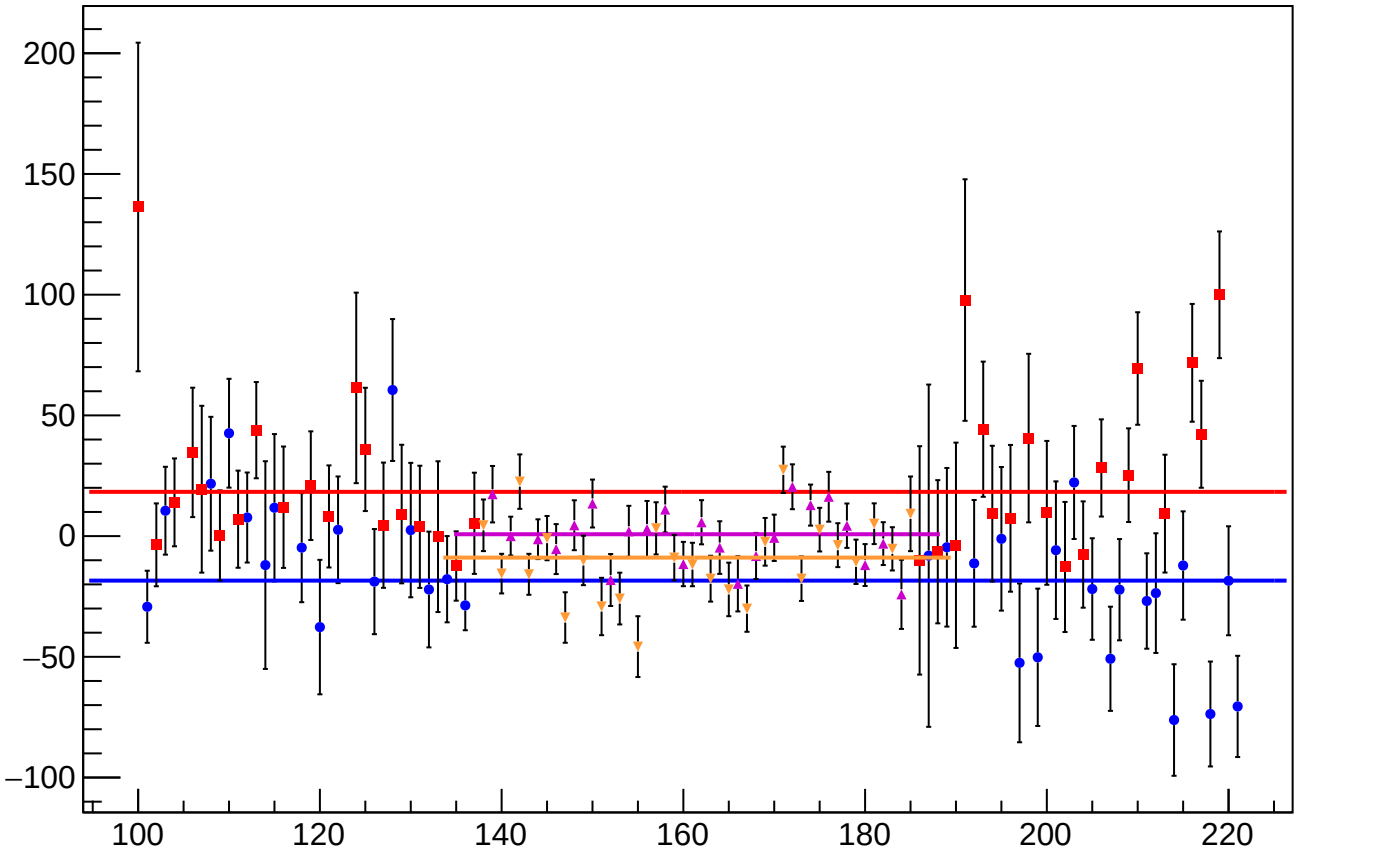
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 502.284+/-0.054 χ^2/NDF: 796325.2/70

In: 461.819+/-0.052 χ^2/NDF:794305.3/56

Out: 462.639+/-0.051 χ^2/NDF:1021914.0/61

All: 462.230+/-0.036 χ^2/NDF: 1816345.7/118



Right In: -18.437+/-3.795 χ^2/NDF: 53.7/33

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 18.331+/-4.001 χ^2/NDF: 45.1/36

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

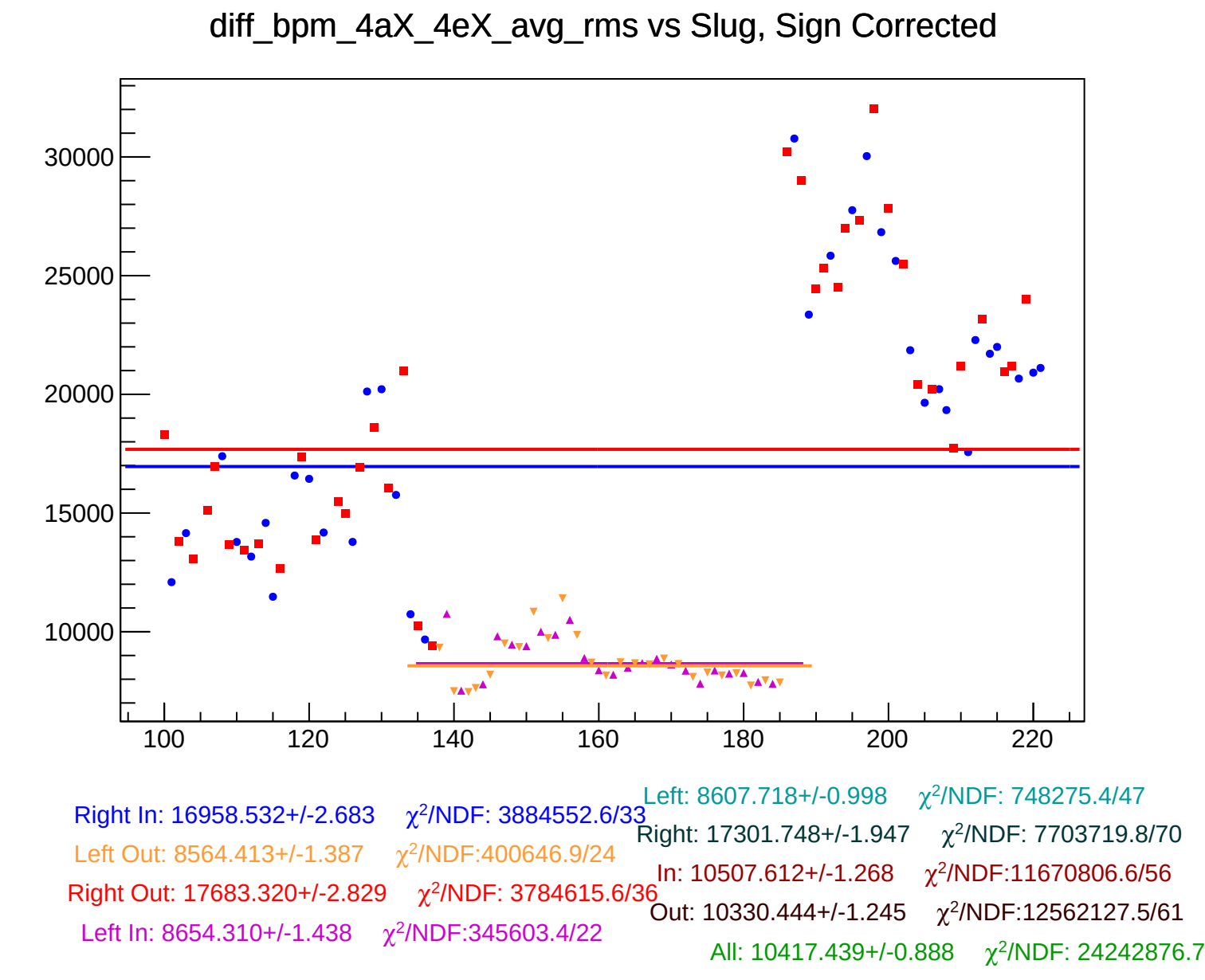
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

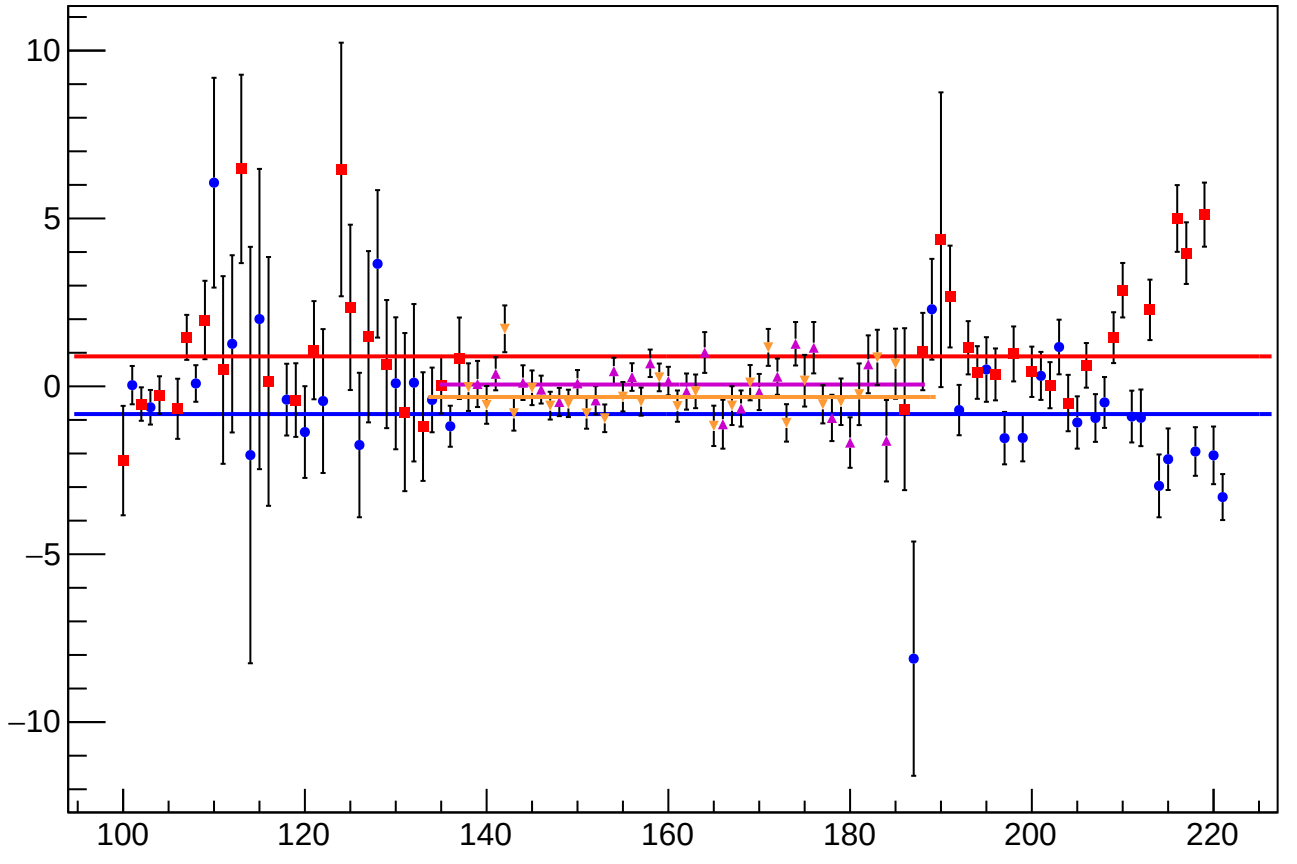
Right: -1.026+/-2.753 χ^2/NDF: 143.2/70

In: -3.515+/-1.793 χ^2/NDF:102.9/56

Out: -3.630+/-1.761 χ^2/NDF:144.0/61

All: -3.573+/-1.256 χ^2/NDF: 246.9/118


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: 17683.320+/-2.829 χ²/NDF: 3784615.6/36
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 17301.748+/-1.947 χ²/NDF: 7703719.8/70
In: 10507.612+/-1.268 χ²/NDF:11670806.6/56
Out: 10330.444+/-1.245 χ²/NDF:12562127.5/61
All: 10417.439+/-0.888 χ²/NDF: 24242876.7



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: 0.892+/-0.158 χ^2/NDF: 96.8/36

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

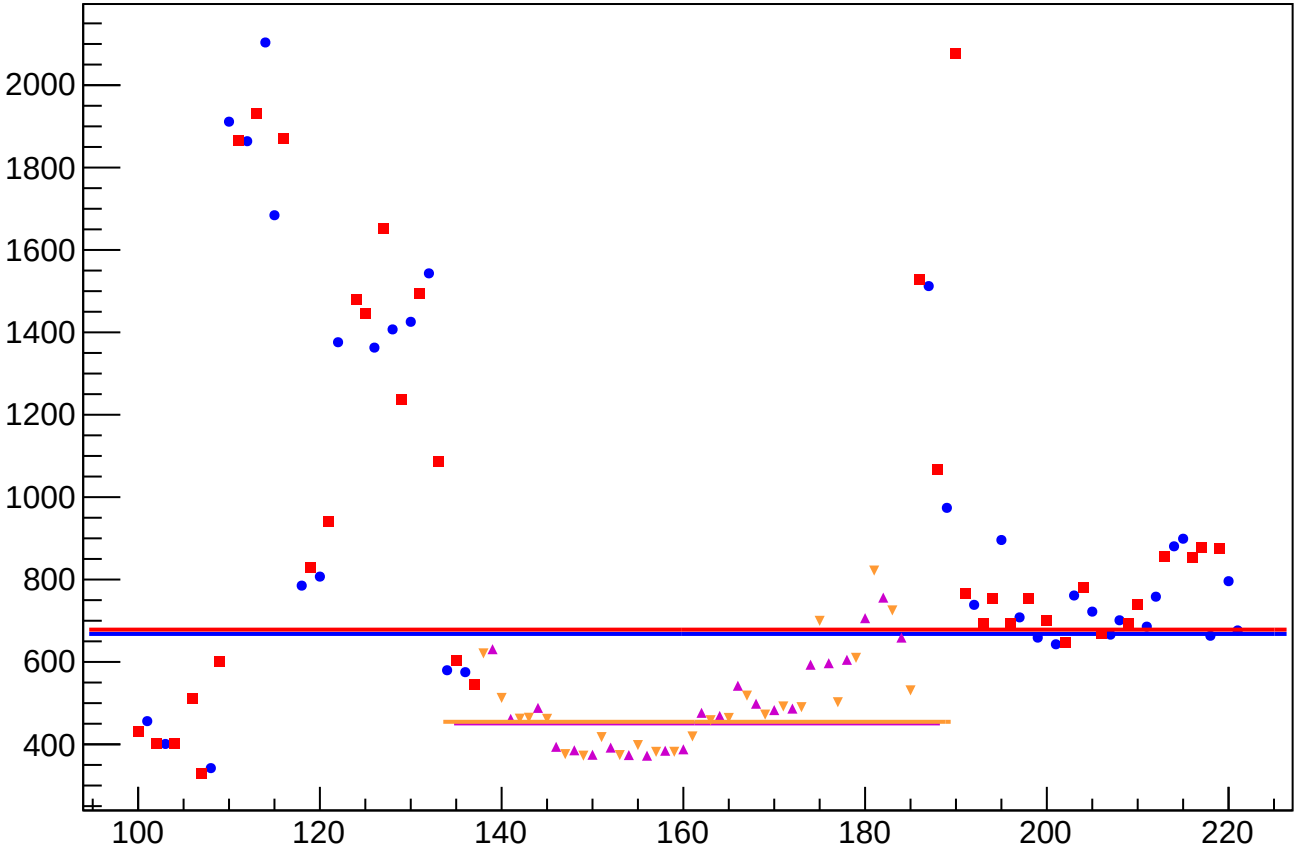
Right: -0.004+/-0.109 χ^2/NDF: 221.3/70

In: -0.243+/-0.088 χ^2/NDF:115.1/56

Out: 0.057+/-0.088 χ^2/NDF:169.4/61

All: -0.093+/-0.062 χ^2/NDF: 290.3/118

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



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: 678.413+/-0.112 χ^2/NDF: 5090149.0/36

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

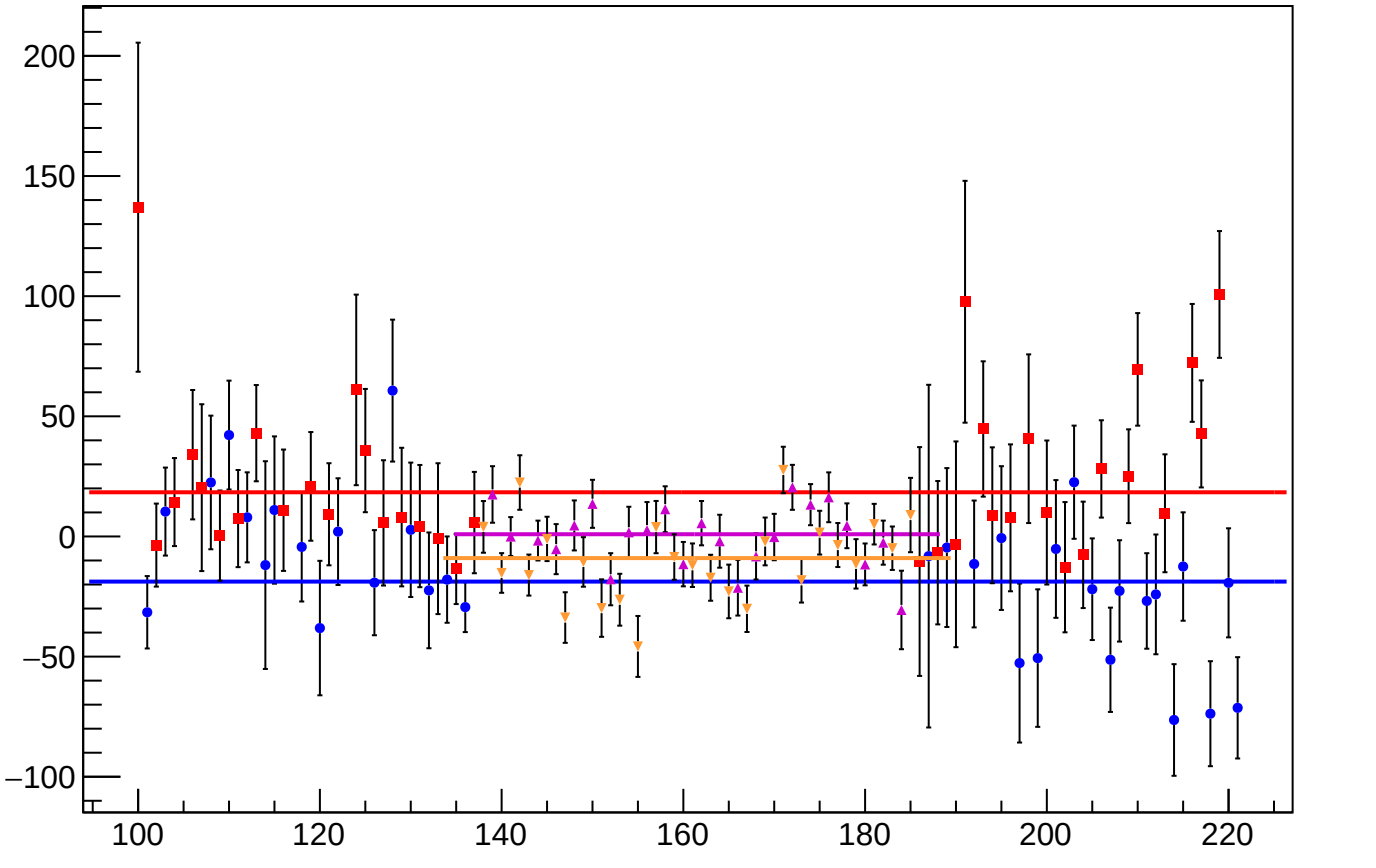
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 672.963+/-0.077 χ^2/NDF: 9575013.3/70

In: 524.010+/-0.062 χ^2/NDF:8672610.8/56

Out: 523.956+/-0.062 χ^2/NDF:9300730.8/61

All: 523.983+/-0.044 χ^2/NDF: 17973341.9/11



Right In: -18.782+/-3.818 χ^2/NDF: 53.9/33

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 18.388+/-4.027 χ^2/NDF: 44.9/36

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

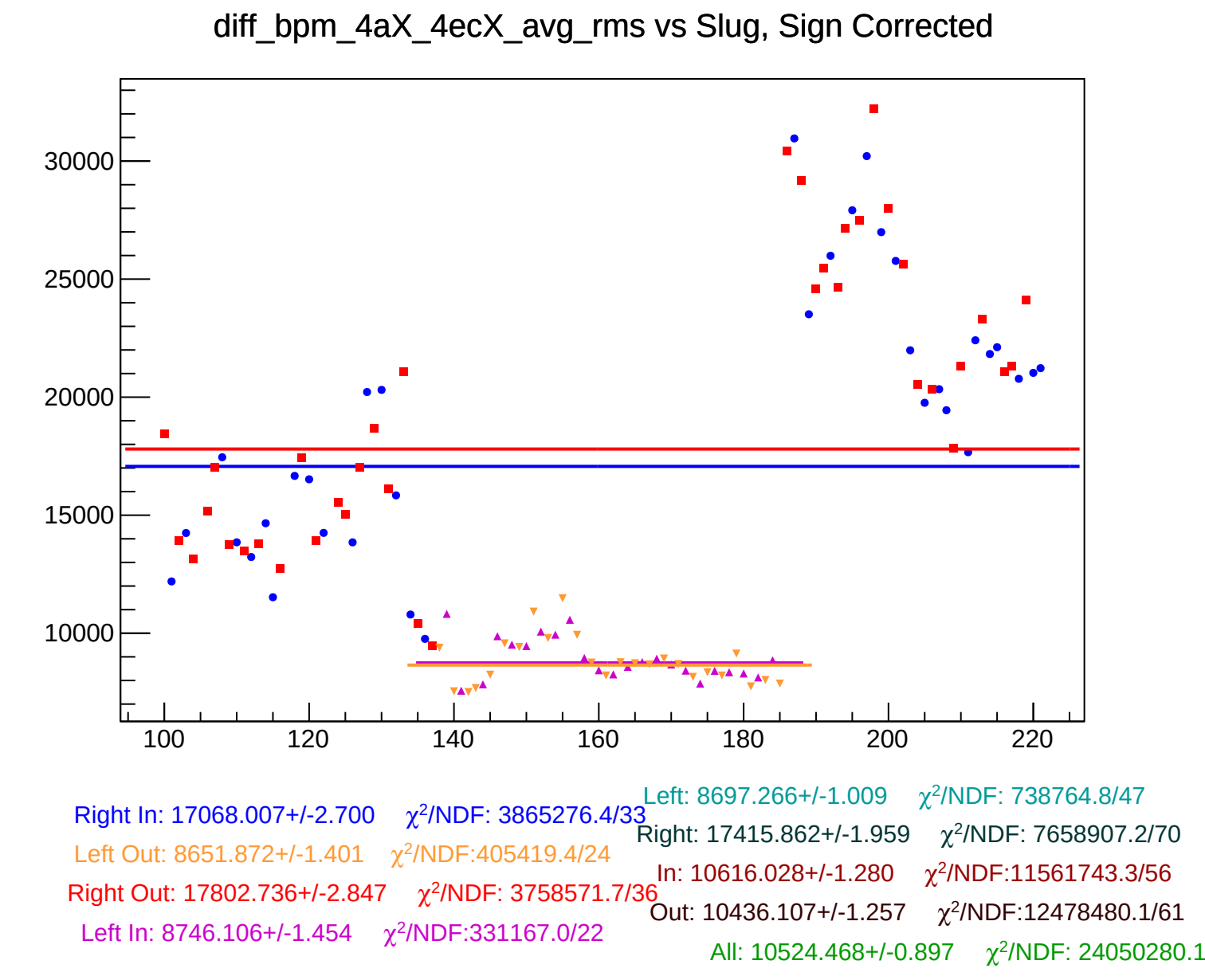
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

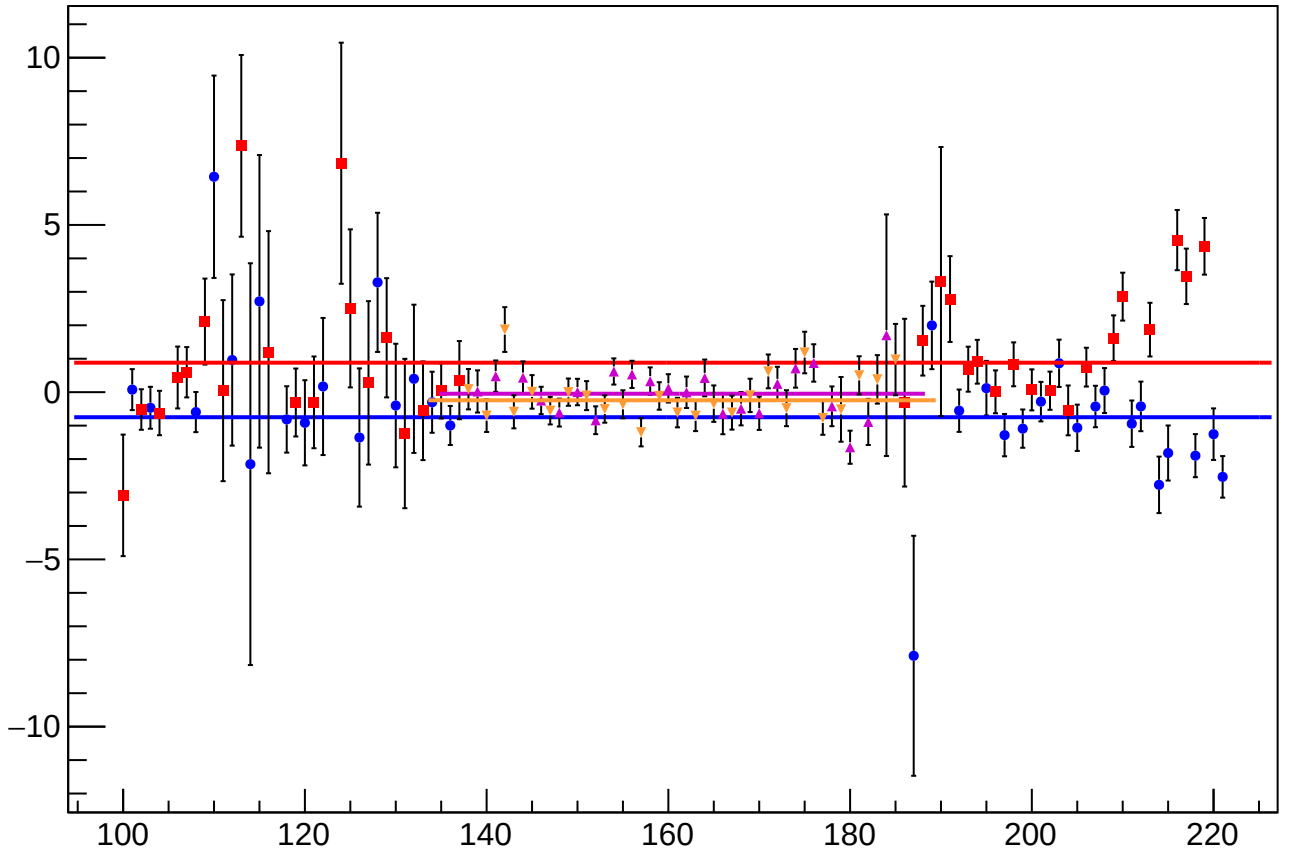
Right: -1.184+/-2.771 χ^2/NDF: 143.7/70

In: -3.503+/-1.810 χ^2/NDF:104.4/56

Out: -3.660+/-1.778 χ^2/NDF:143.4/61

All: -3.583+/-1.268 χ^2/NDF: 247.8/118


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: 17802.736+/-2.847 χ²/NDF: 3758571.7/36
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 17415.862+/-1.959 χ²/NDF: 7658907.2/70
In: 10616.028+/-1.280 χ²/NDF:11561743.3/56
Out: 10436.107+/-1.257 χ²/NDF:12478480.1/61
All: 10524.468+/-0.897 χ²/NDF: 24050280.1



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: 0.881+/-0.148 χ^2/NDF: 97.2/36

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

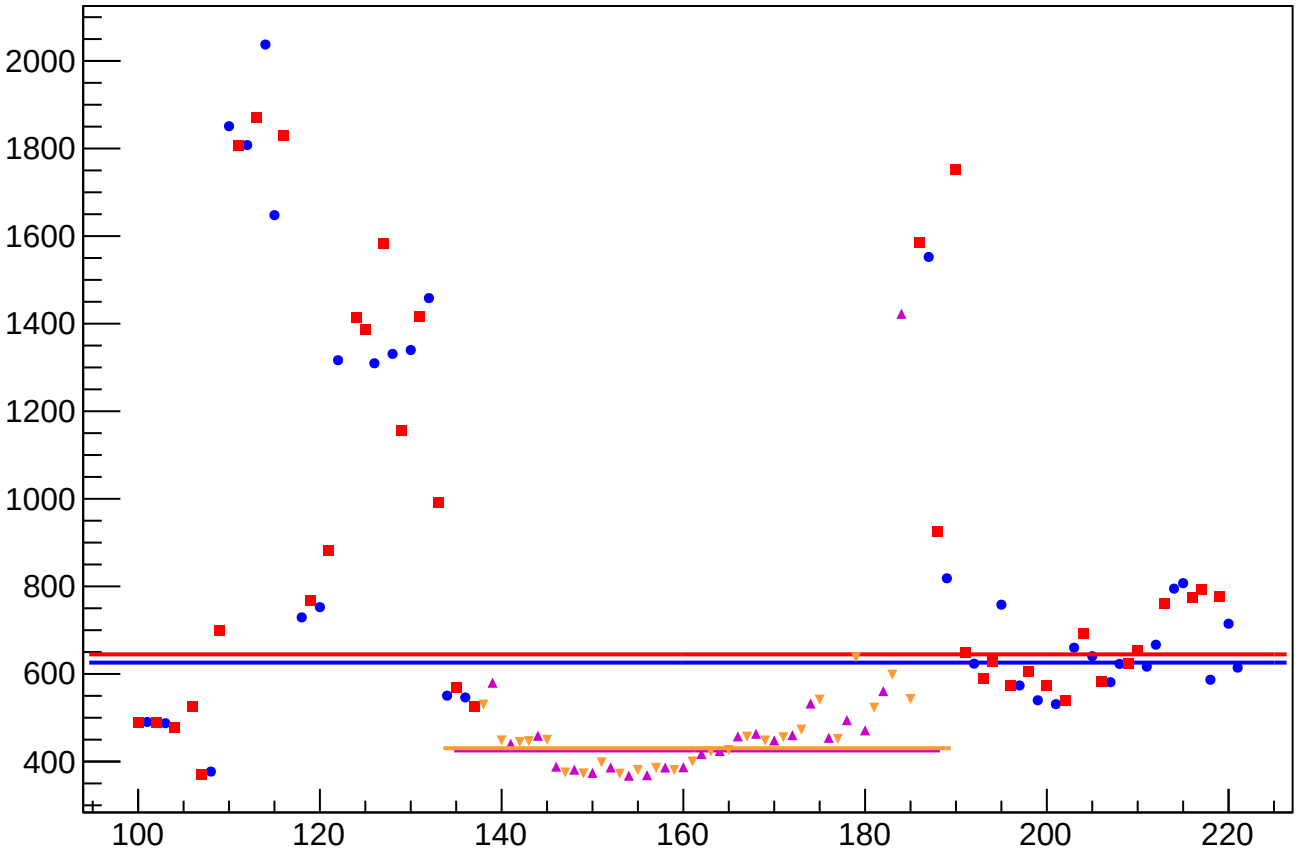
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: 0.023+/-0.102 χ^2/NDF: 212.5/70

In: -0.288+/-0.082 χ^2/NDF:103.0/56

Out: 0.111+/-0.083 χ^2/NDF:170.9/61

All: -0.090+/-0.058 χ^2/NDF: 285.6/118



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: 644.768+/-0.105 χ^2/NDF: 3743099.2/36

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

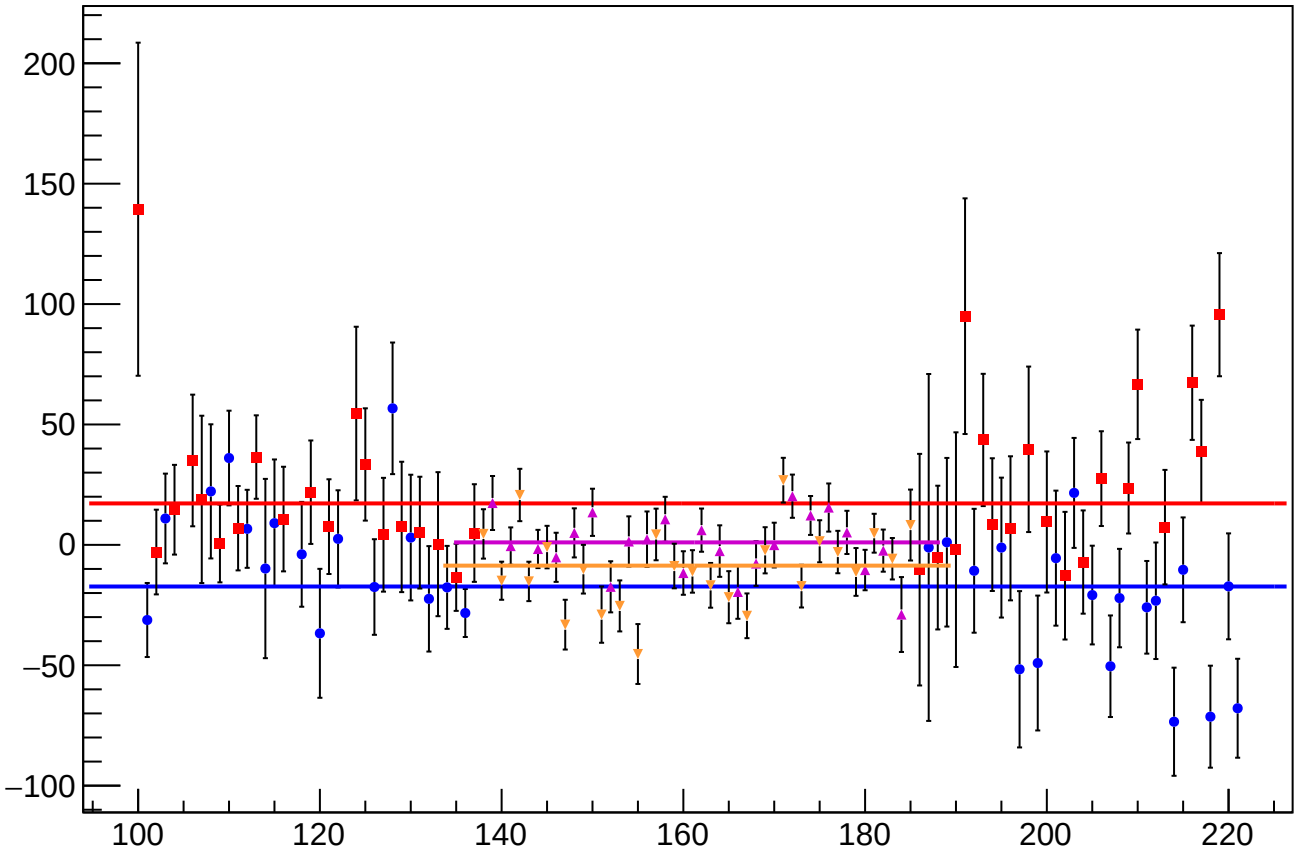
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 634.838+/-0.072 χ^2/NDF: 7196692.2/70

In: 494.251+/-0.058 χ^2/NDF:6833775.0/56

Out: 497.736+/-0.059 χ^2/NDF:7263996.1/61

All: 495.978+/-0.041 χ^2/NDF: 14099548.9/11



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: 17.212+/-3.823 χ^2/NDF: 43.6/36

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

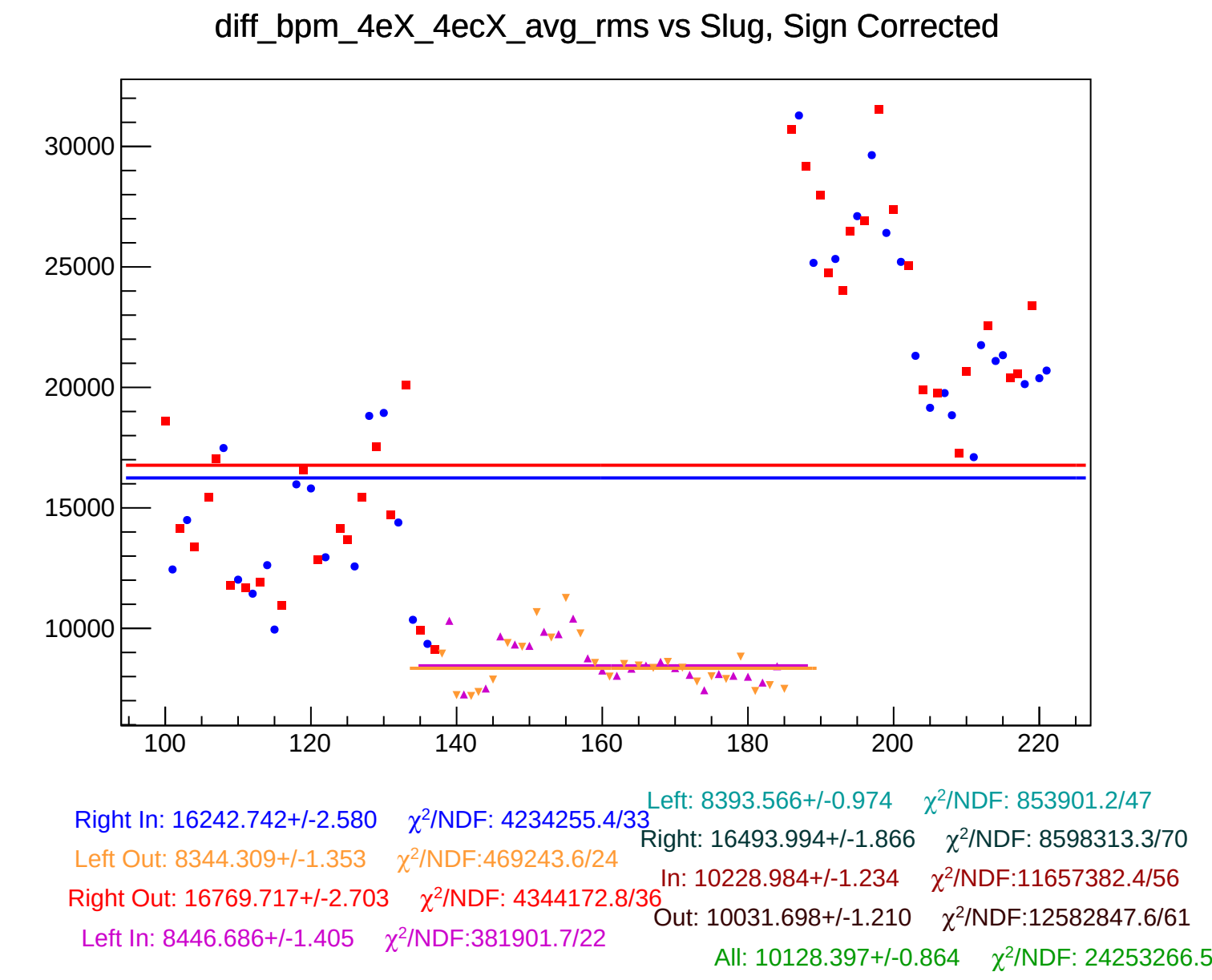
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

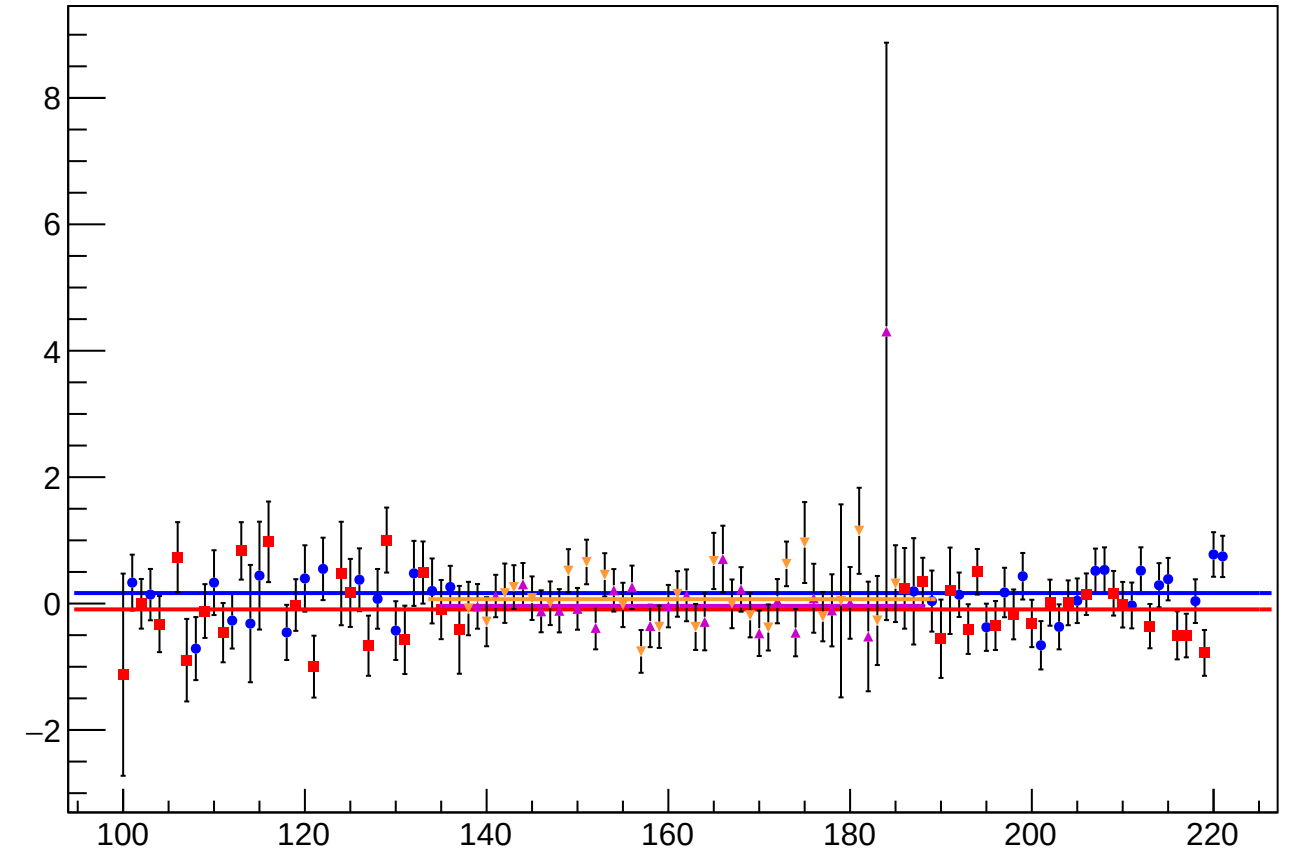
Right: -0.842+/-2.640 χ^2/NDF: 141.0/70

In: -3.161+/-1.745 χ^2/NDF:103.9/56

Out: -3.449+/-1.711 χ^2/NDF:141.8/61

All: -3.308+/-1.222 χ^2/NDF: 245.7/118


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: 16769.717+/-2.703 χ²/NDF: 4344172.8/36
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16493.994+/-1.866 χ²/NDF: 8598313.3/70
In: 10228.984+/-1.234 χ²/NDF:11657382.4/56
Out: 10031.698+/-1.210 χ²/NDF:12582847.6/61
All: 10128.397+/-0.864 χ²/NDF: 24253266.5



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: -0.092+/-0.072 χ^2/NDF: 39.3/36

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

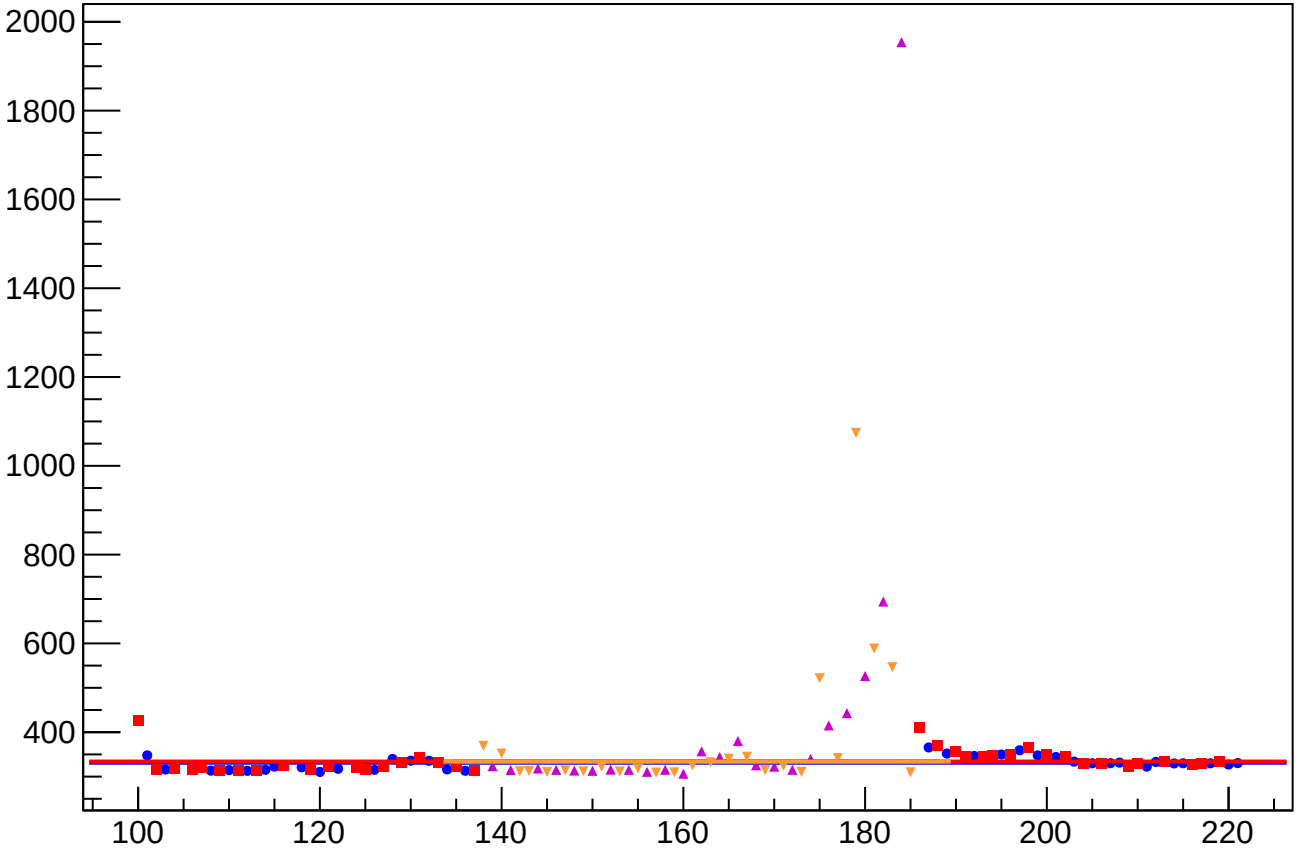
Right: 0.039+/-0.050 χ^2/NDF: 75.5/70

In: 0.078+/-0.053 χ^2/NDF:44.9/56

Out: -0.019+/-0.053 χ^2/NDF:69.8/61

All: 0.030+/-0.038 χ^2/NDF: 116.3/118

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: 333.934+/-0.051 χ^2/NDF: 119773.9/36

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

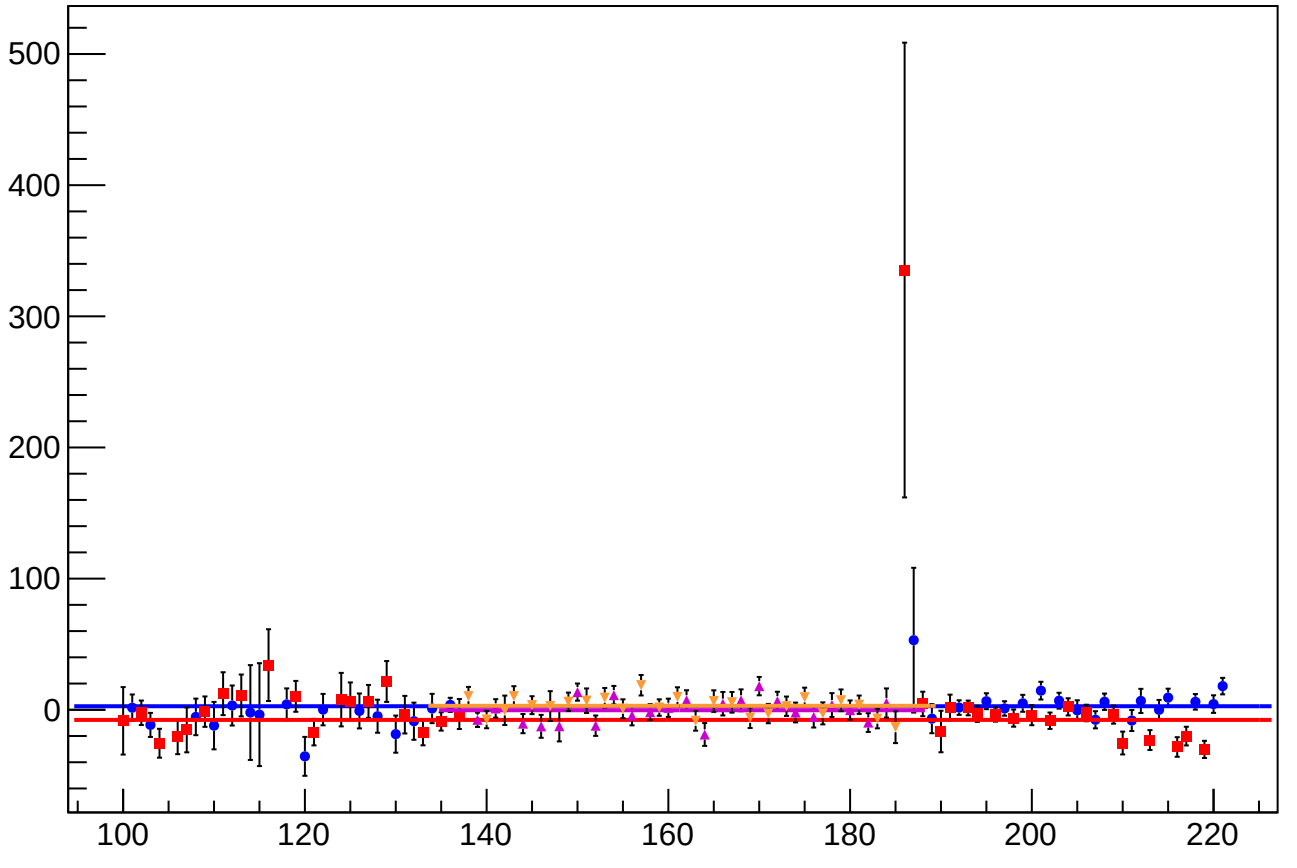
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.568+/-0.036 χ^2/NDF: 185846.7/70

In: 332.434+/-0.038 χ^2/NDF:1116934.5/56

Out: 333.865+/-0.038 χ^2/NDF:1337034.8/61

All: 333.149+/-0.027 χ^2/NDF: 2454692.7/118



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: -7.720+/-1.456 χ^2/NDF: 65.3/36

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

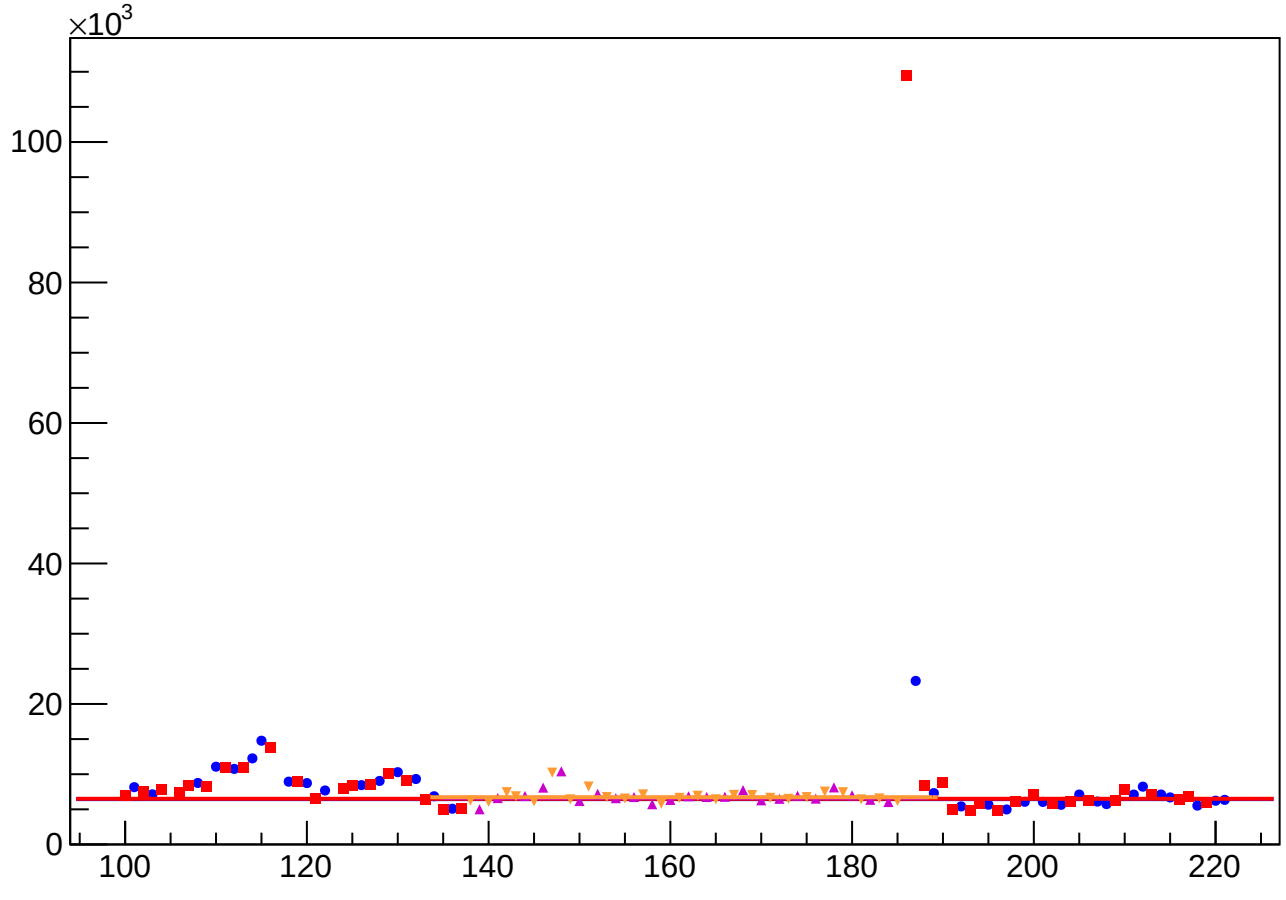
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.356+/-1.015 χ^2/NDF: 123.3/70

In: 1.334+/-1.050 χ^2/NDF:67.6/56

Out: -2.654+/-1.059 χ^2/NDF:111.2/61

All: -0.645+/-0.746 χ^2/NDF: 186.0/118



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: 6501.673+/-1.030 χ^2/NDF: 2457223.1/36

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

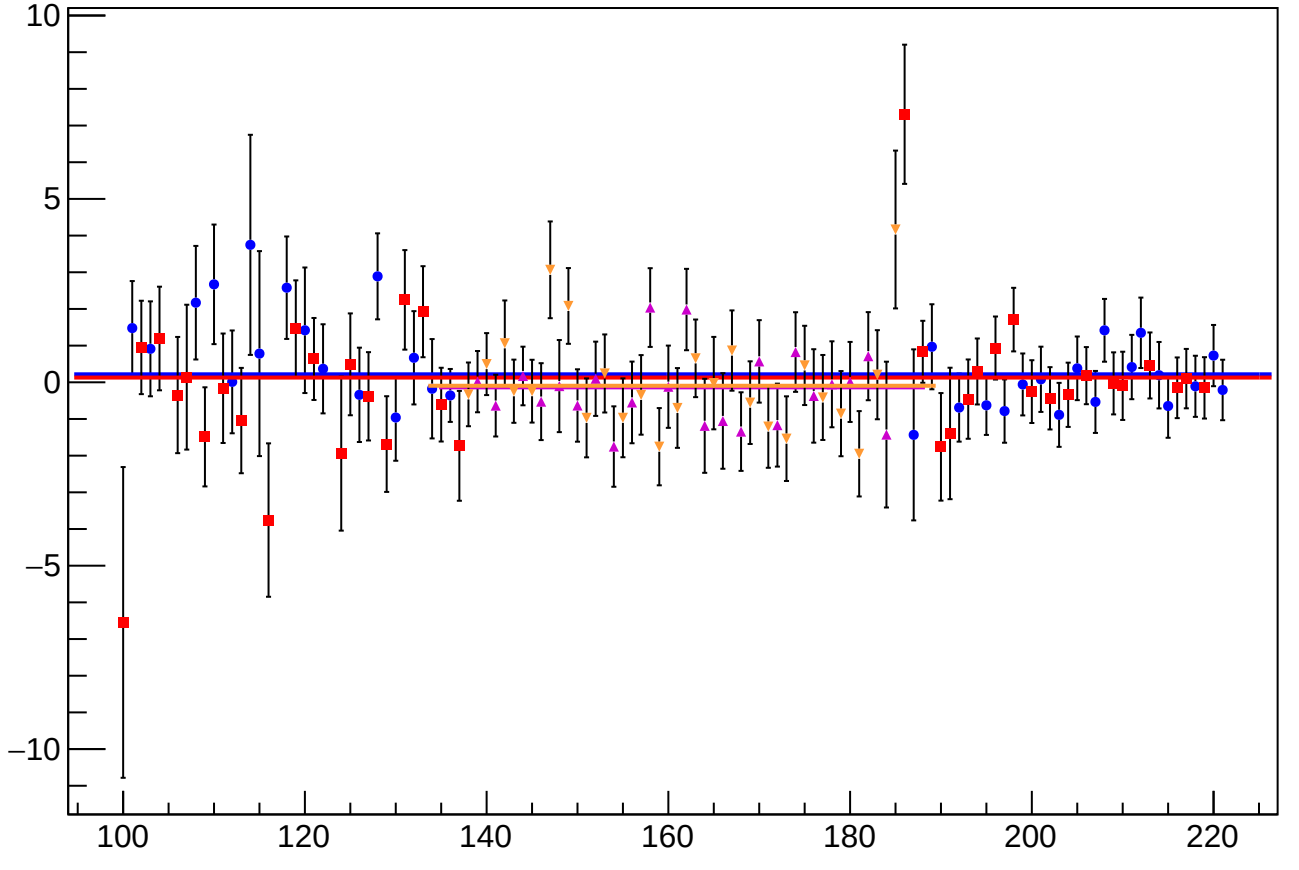
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6476.936+/-0.717 χ^2/NDF: 4346754.0/70

In: 6533.946+/-0.743 χ^2/NDF:2532287.1/56

Out: 6606.033+/-0.749 χ^2/NDF:2882321.6/61

All: 6569.707+/-0.527 χ^2/NDF: 5419281.8/11



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: 0.129+/-0.180 χ^2/NDF: 43.4/36

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

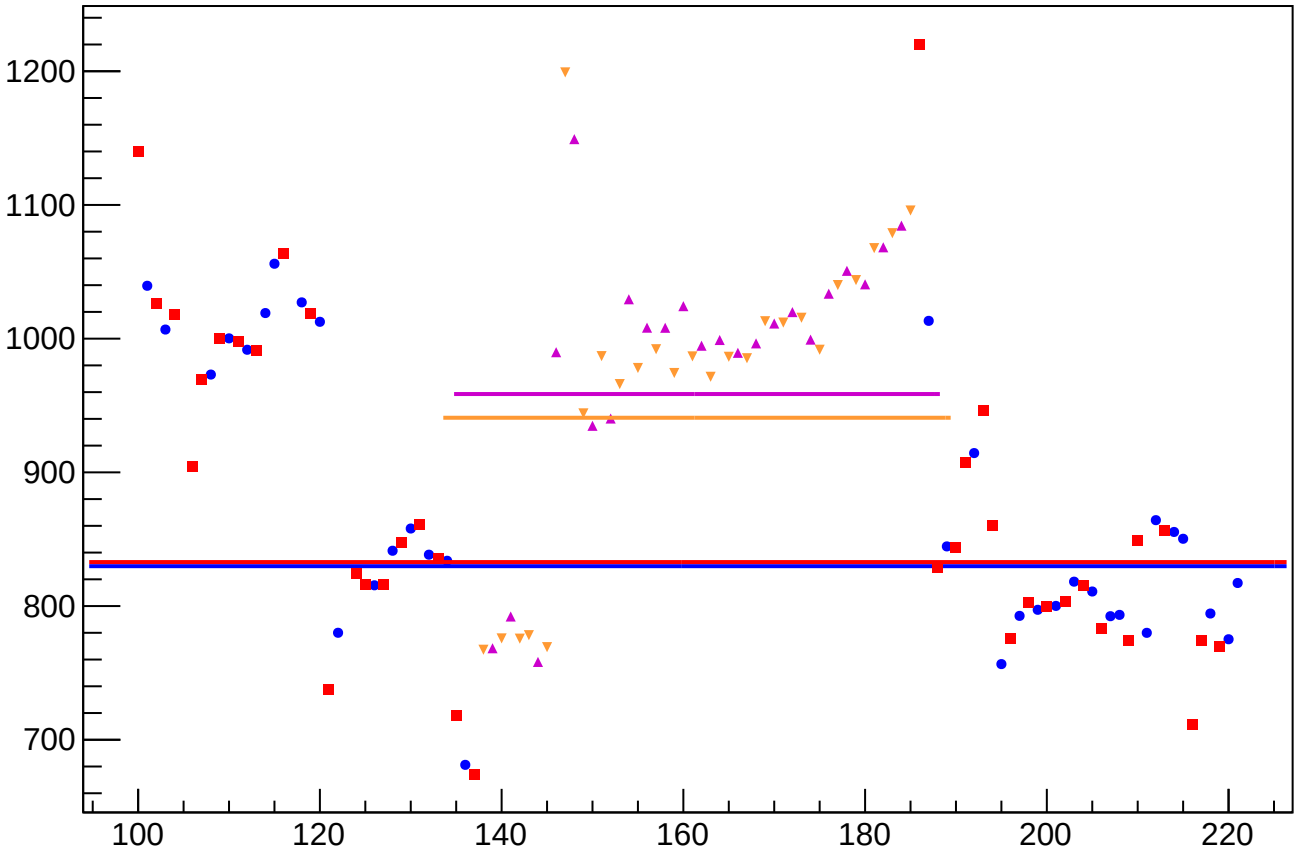
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.174+/-0.127 χ^2/NDF: 72.8/70

In: 0.081+/-0.139 χ^2/NDF:47.2/56

Out: 0.037+/-0.138 χ^2/NDF:71.4/61

All: 0.059+/-0.098 χ^2/NDF: 118.7/118



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: 832.902+/-0.128 χ^2/NDF: 525311.6/36

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

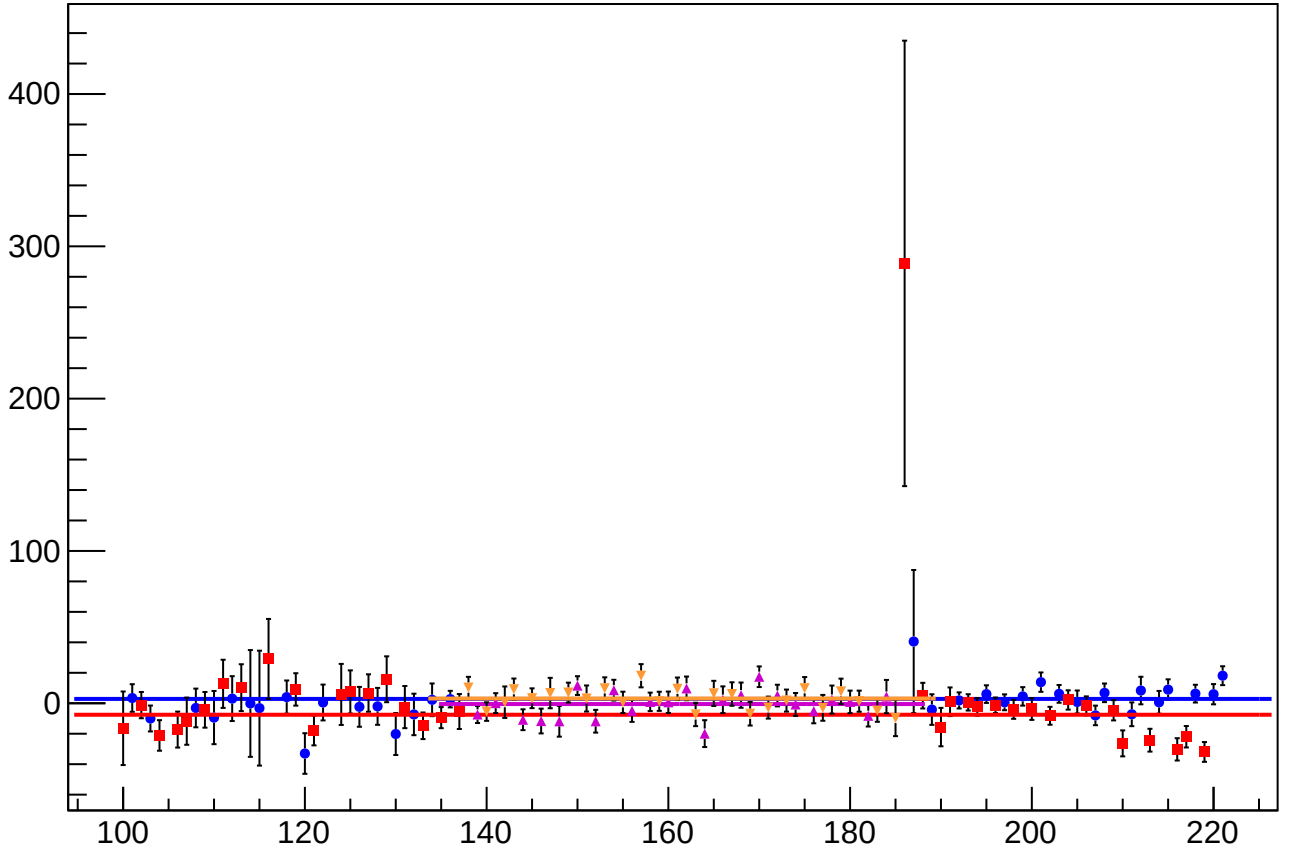
Right: 831.340+/-0.089 χ^2/NDF: 943744.3/70

In: 879.130+/-0.099 χ^2/NDF:1277844.6/56

Out: 877.428+/-0.098 χ^2/NDF:1389225.7/61

All: 878.272+/-0.069 χ^2/NDF: 2667220.4/118

diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected



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: -7.545+/-1.394 χ^2/NDF: 72.1/36

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

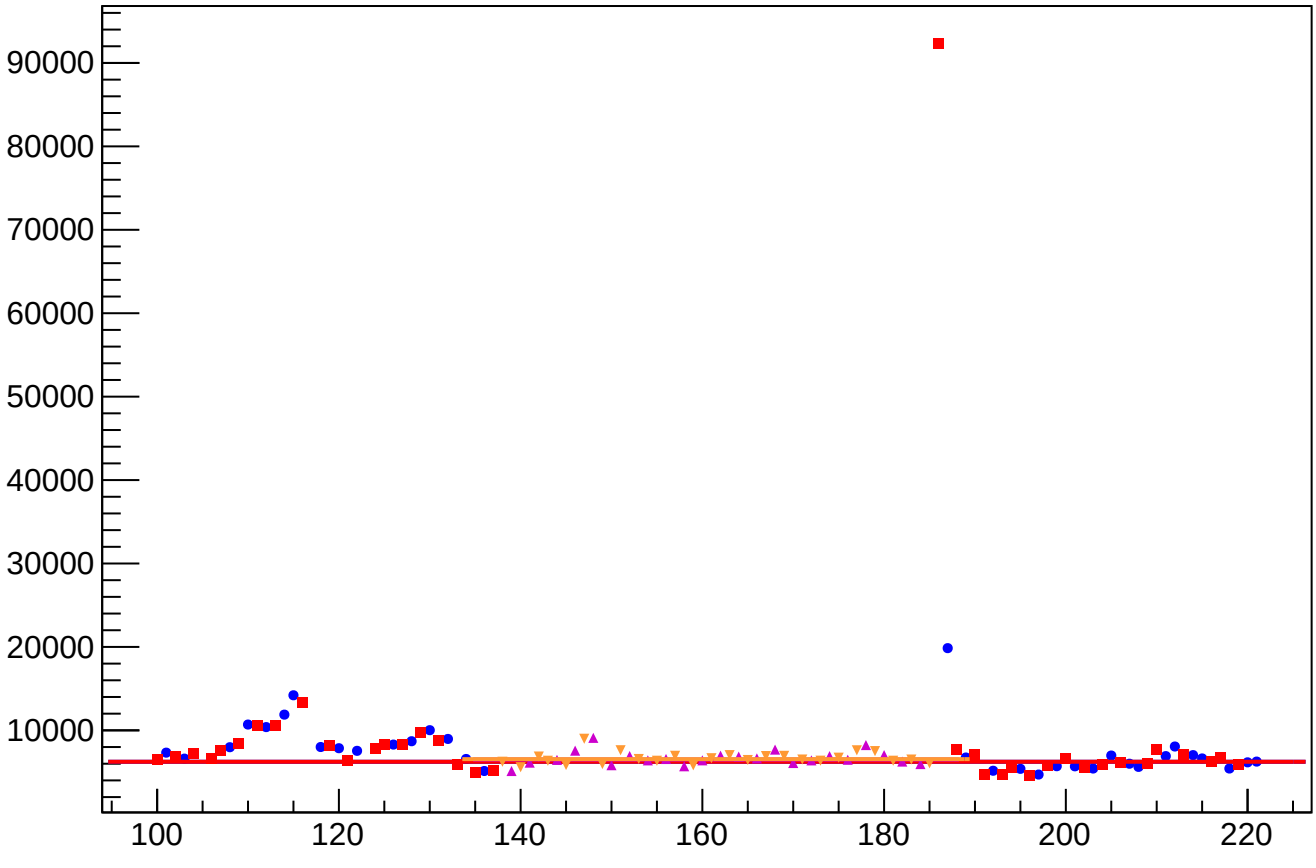
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.229+/-0.975 χ^2/NDF: 132.5/70

In: 1.367+/-1.019 χ^2/NDF:66.7/56

Out: -2.613+/-1.021 χ^2/NDF:117.7/61

All: -0.619+/-0.721 χ^2/NDF: 191.9/118



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: 6236.130+/-0.986 χ^2/NDF: 2403754.8/36

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

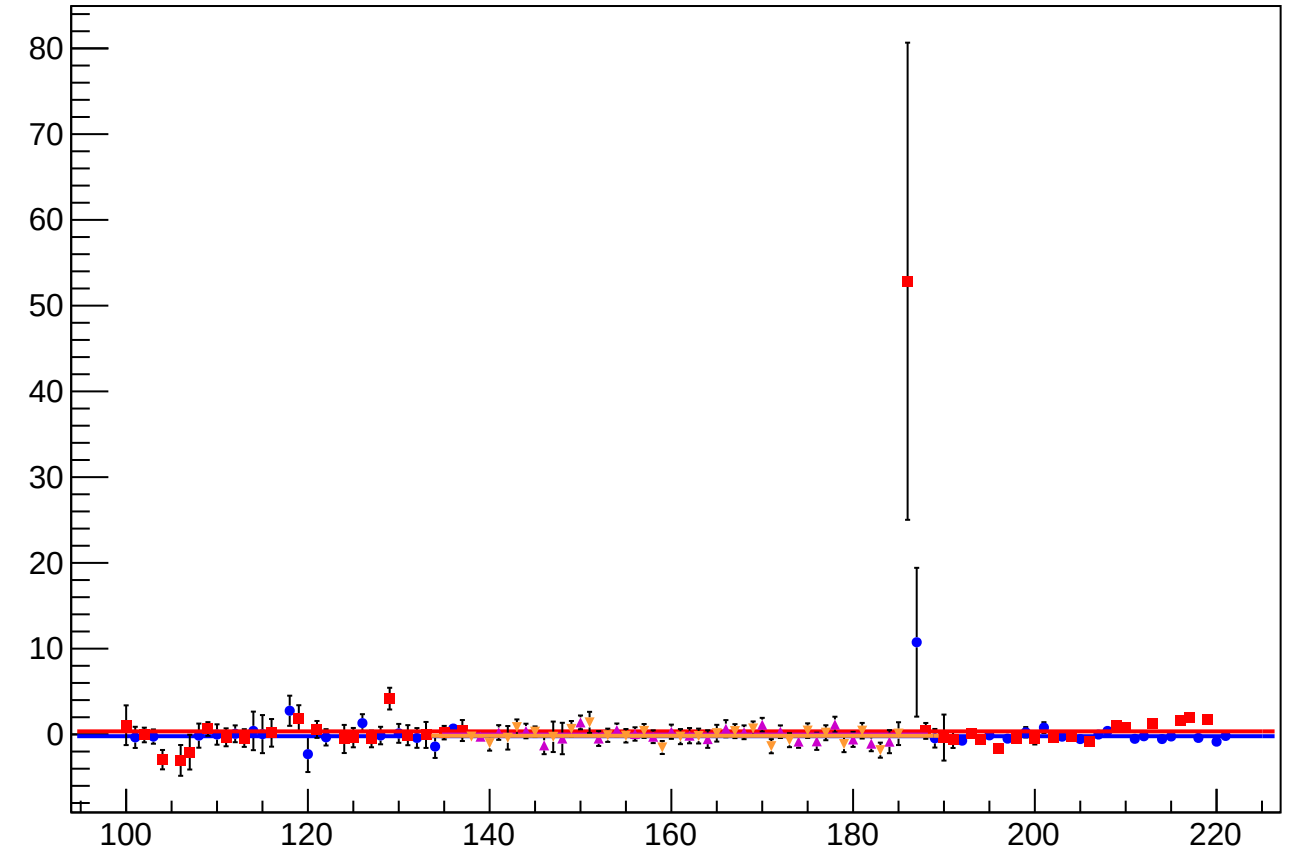
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6232.757+/-0.689 χ^2/NDF: 4210659.2/70

In: 6351.033+/-0.721 χ^2/NDF:2358407.1/56

Out: 6381.045+/-0.722 χ^2/NDF:2816478.5/61

All: 6366.010+/-0.510 χ^2/NDF: 5175751.0/11



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: 0.353+/-0.116 χ^2/NDF: 102.1/36

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

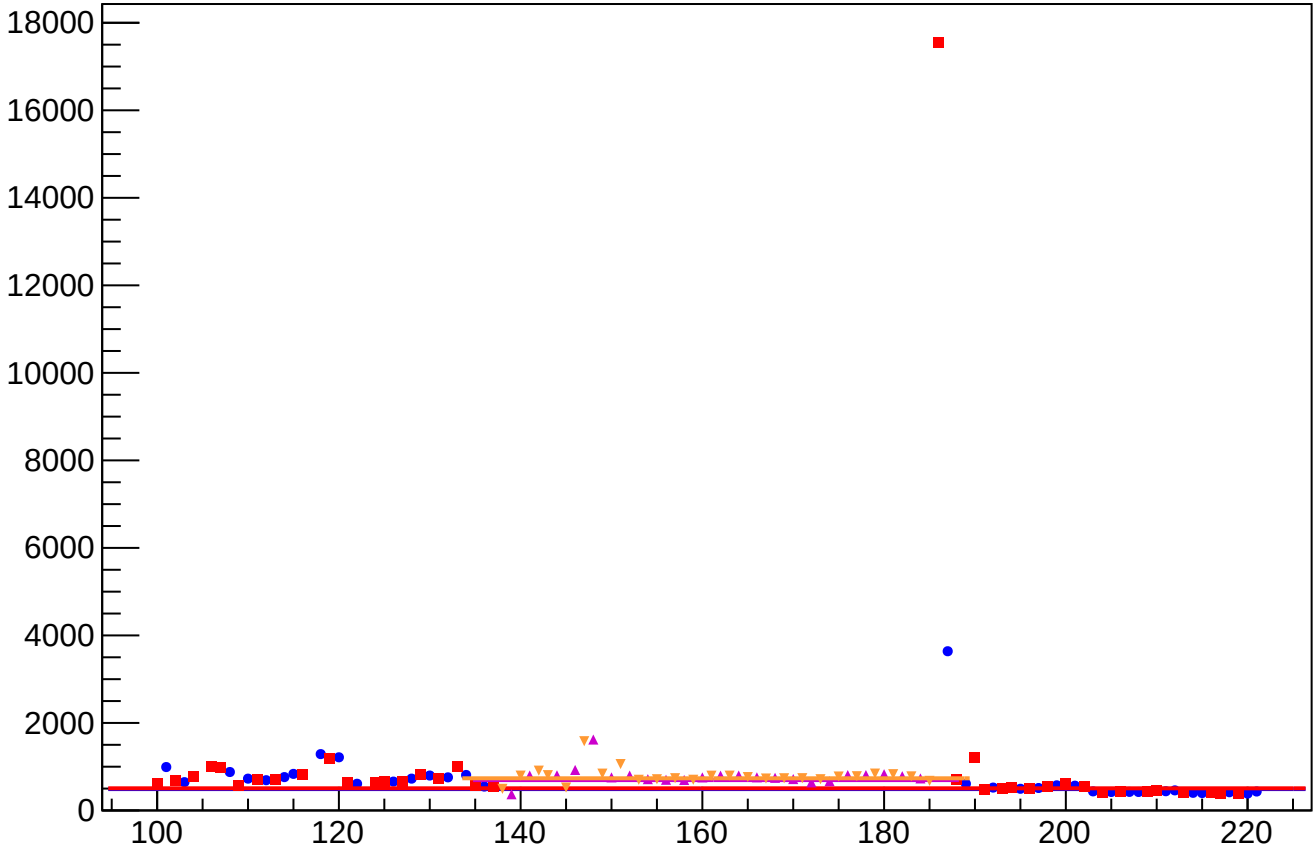
Right: 0.053+/-0.079 χ^2/NDF: 136.4/70

In: -0.155+/-0.091 χ^2/NDF:37.8/56

Out: 0.193+/-0.096 χ^2/NDF:127.2/61

All: 0.010+/-0.066 χ^2/NDF: 171.9/118

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: 506.039+/-0.082 χ^2/NDF: 3393972.1/36

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

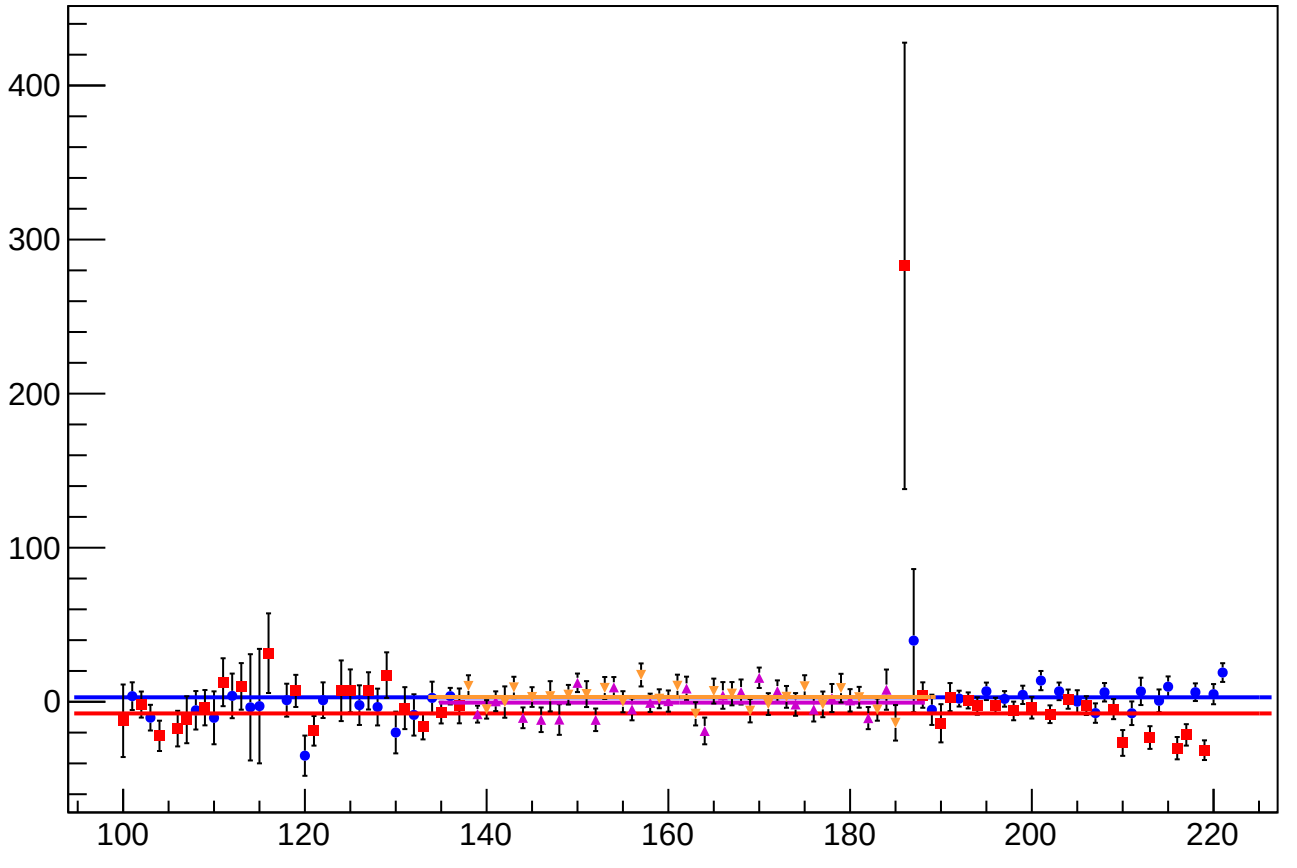
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 496.821+/-0.056 χ^2/NDF: 6412141.0/70

In: 548.752+/-0.065 χ^2/NDF:7309674.8/56

Out: 577.198+/-0.068 χ^2/NDF:7172531.3/61

All: 562.287+/-0.047 χ^2/NDF: 14574338.7/12



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: -7.564+/-1.367 χ^2/NDF: 72.5/36

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

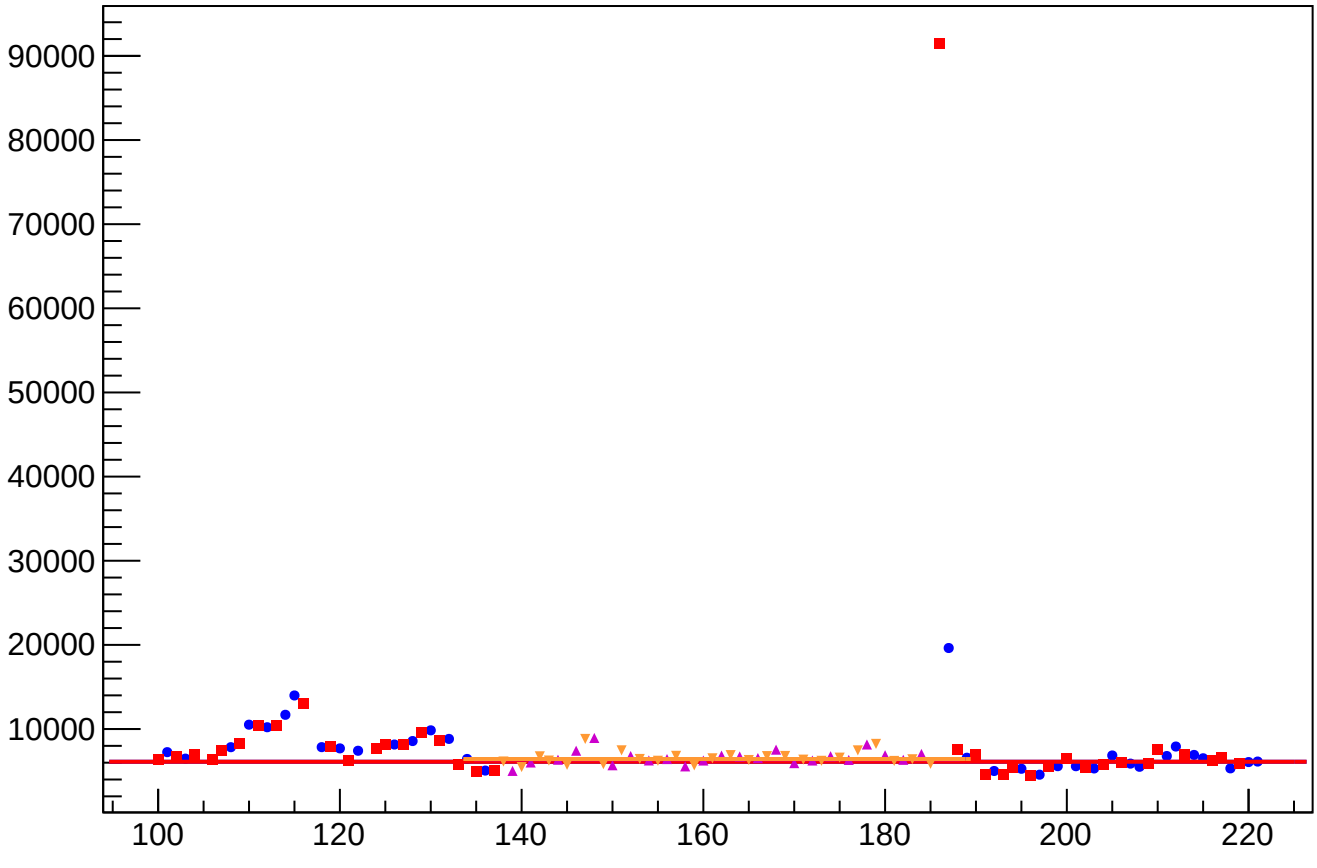
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.219+/-0.956 χ^2/NDF: 137.6/70

In: 1.385+/-1.002 χ^2/NDF:71.7/56

Out: -2.635+/-1.003 χ^2/NDF:119.3/61

All: -0.623+/-0.709 χ^2/NDF: 199.1/118



Right In: 6108.331+/-0.946 χ^2/NDF: 1837759.3/33

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6112.024+/-0.967 χ^2/NDF: 2430142.7/36

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

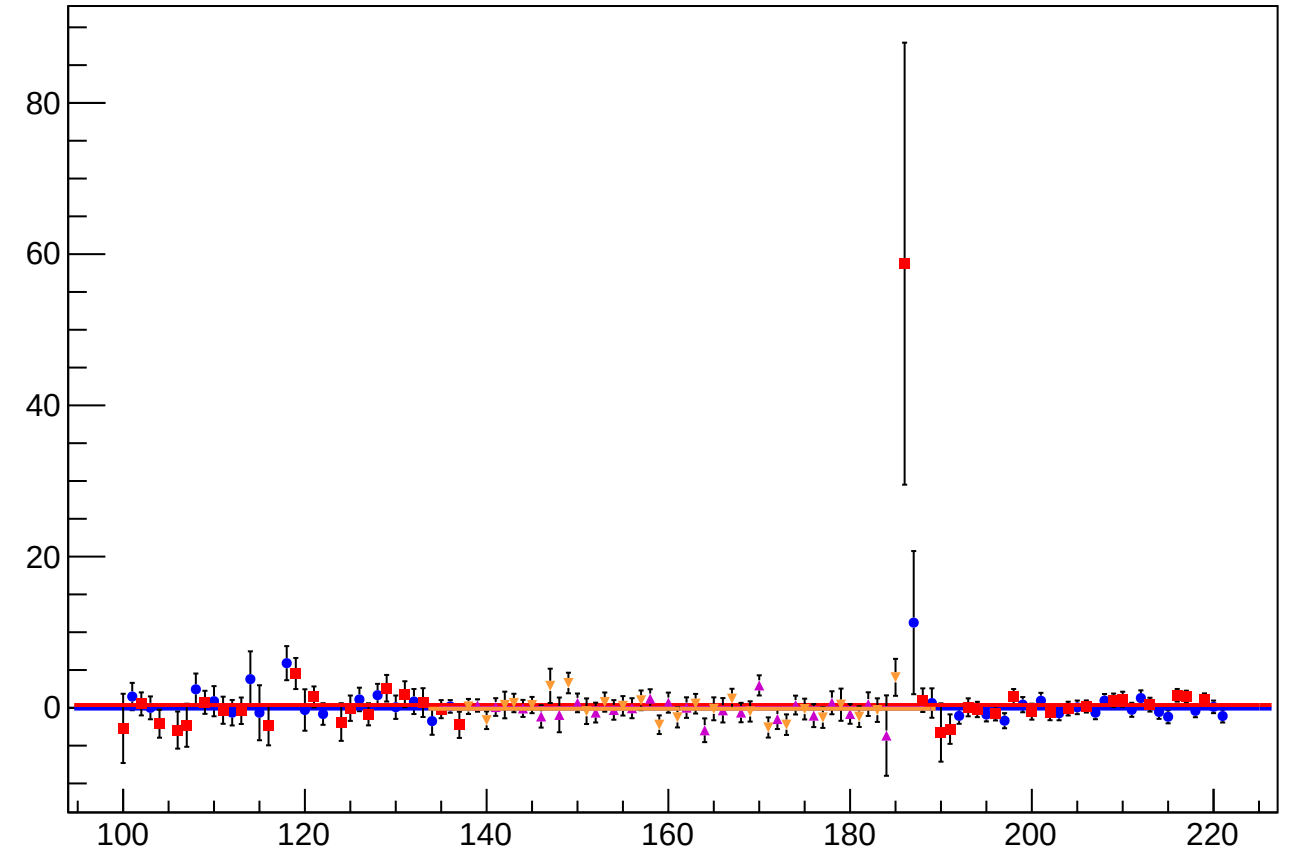
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6110.137+/-0.676 χ^2/NDF: 4267909.5/70

In: 6238.634+/-0.708 χ^2/NDF:2406084.7/56

Out: 6261.312+/-0.709 χ^2/NDF:2899109.9/61

All: 6249.960+/-0.501 χ^2/NDF: 5305706.3/11



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: 0.370+/-0.208 χ^2/NDF: 36.1/36

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

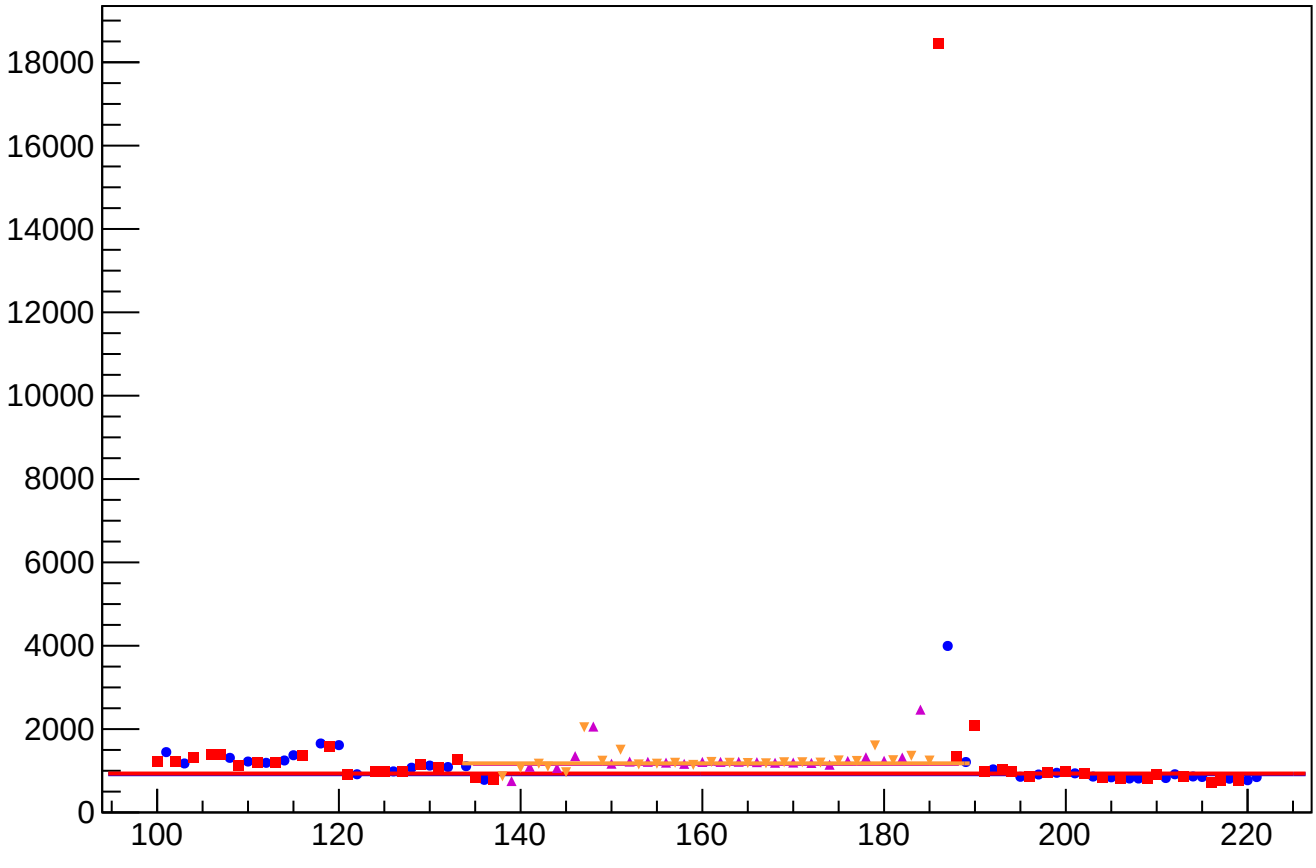
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.126+/-0.144 χ^2/NDF: 67.6/70

In: -0.074+/-0.162 χ^2/NDF:43.4/56

Out: 0.189+/-0.166 χ^2/NDF:65.1/61

All: 0.055+/-0.116 χ^2/NDF: 109.8/118



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: 933.832+/-0.147 χ^2/NDF: 2285040.0/36

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

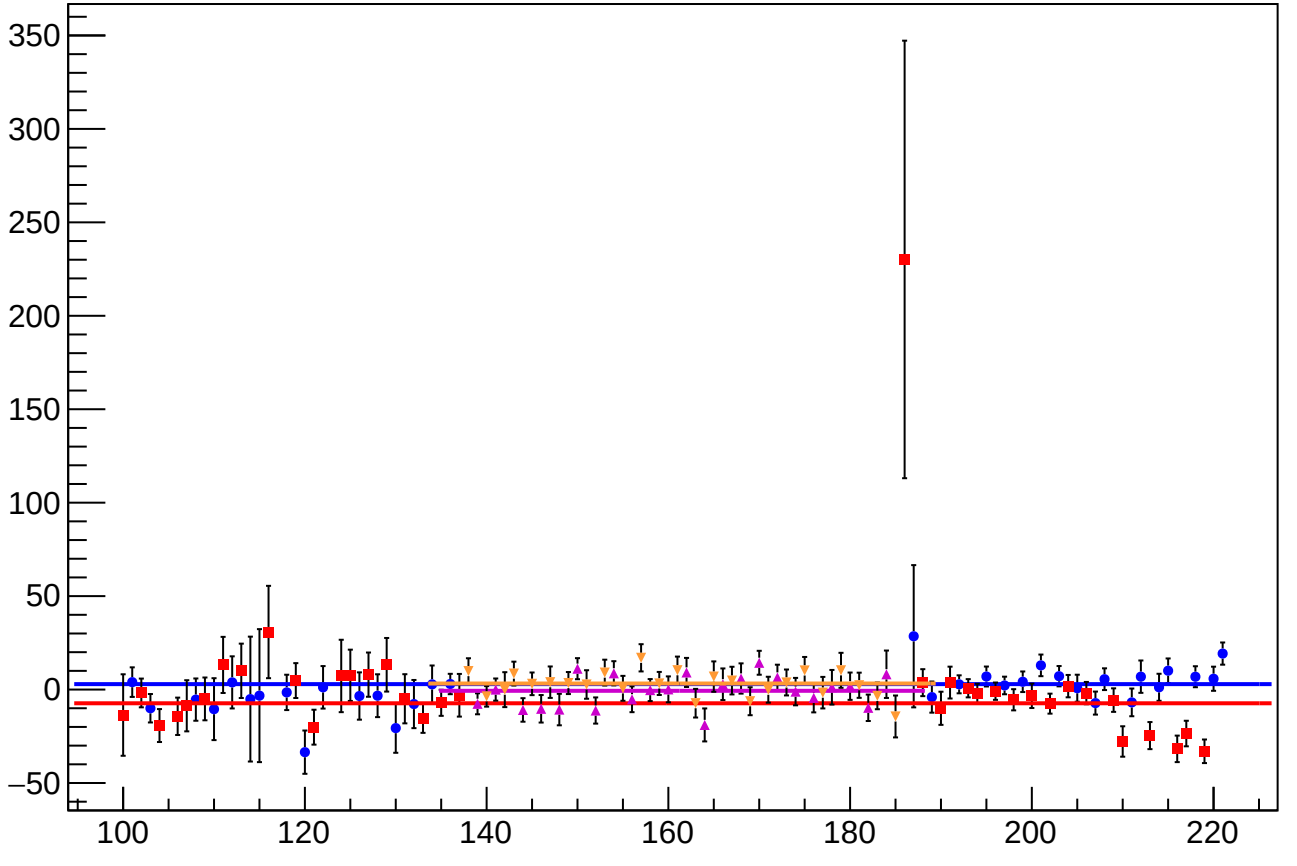
Right: 925.234+/-0.102 χ^2/NDF: 3754068.0/70

In: 1001.018+/-0.115 χ^2/NDF:3548921.1/56

Out: 1023.509+/-0.117 χ^2/NDF:4092686.9/61

All: 1012.027+/-0.082 χ^2/NDF: 7660405.0/11

diff_bpm_4eY_4ecY_avg_mean vs Slug, Sign Corrected



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: -7.342+/-1.290 χ^2/NDF: 82.6/36

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

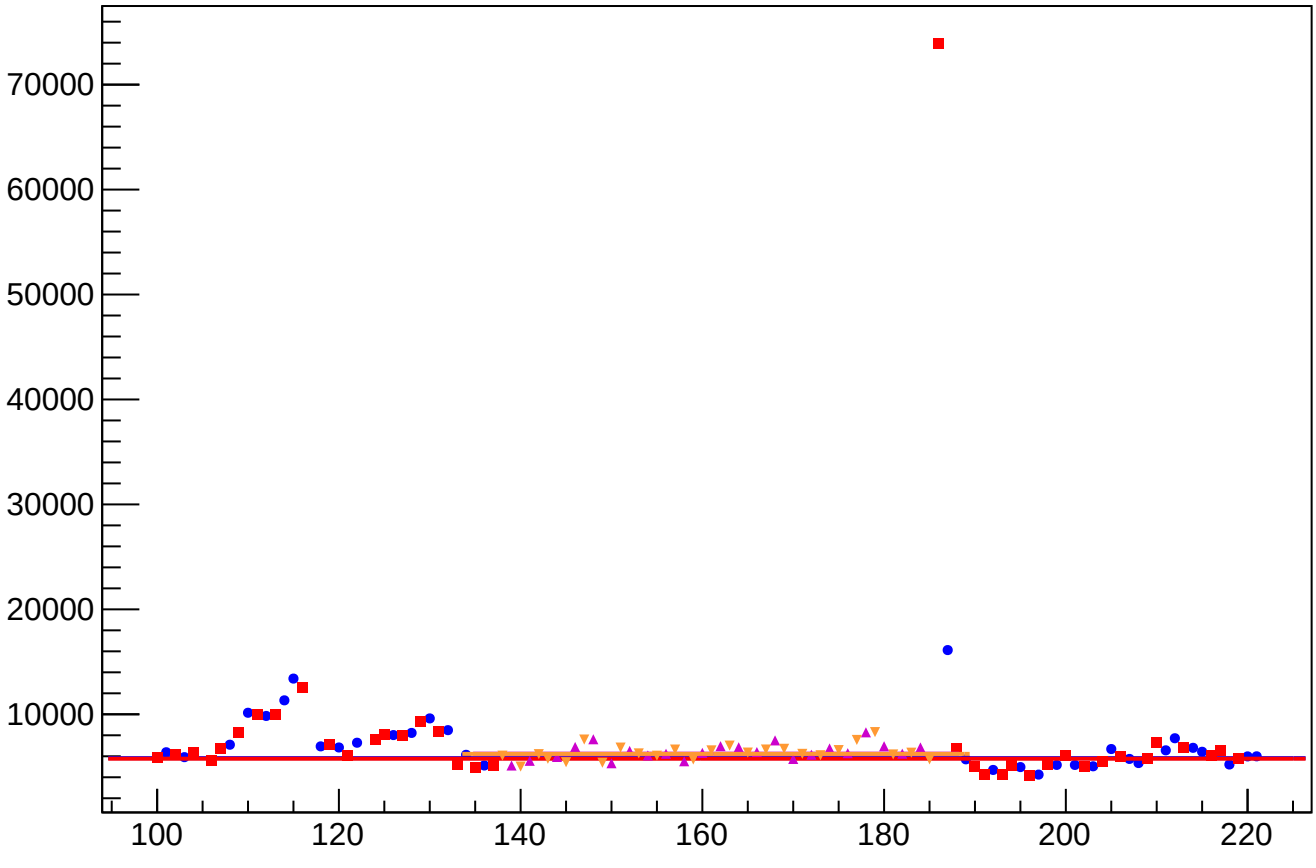
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.155+/-0.907 χ^2/NDF: 153.1/70

In: 1.378+/-0.964 χ^2/NDF:74.3/56

Out: -2.594+/-0.958 χ^2/NDF:130.6/61

All: -0.621+/-0.680 χ^2/NDF: 213.5/118



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: 5770.009+/-0.912 χ^2/NDF: 2508409.6/36

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

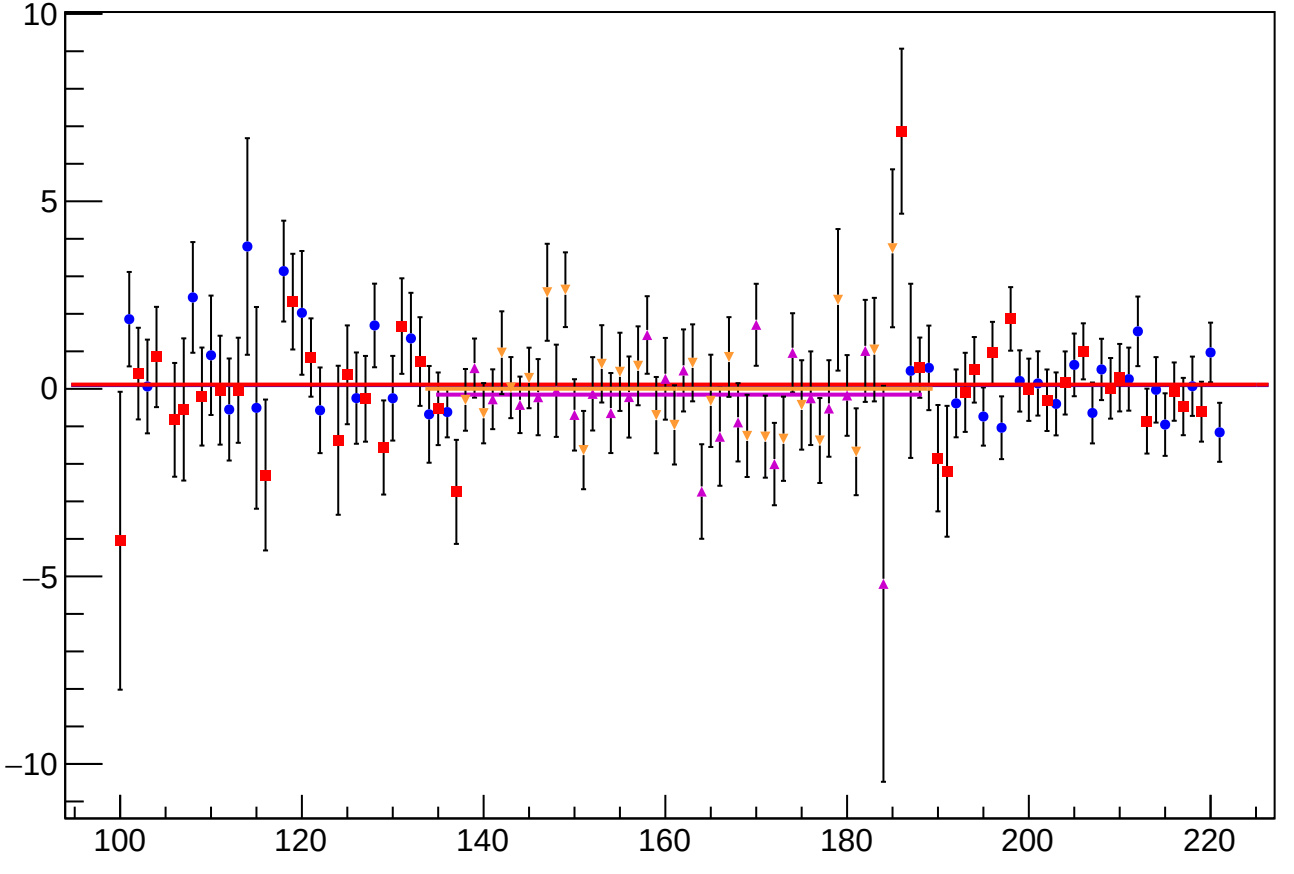
Right: 5796.747+/-0.641 χ^2/NDF: 4365194.1/70

In: 6004.303+/-0.682 χ^2/NDF:2434748.8/56

Out: 5975.927+/-0.677 χ^2/NDF:3092693.2/61

All: 5990.023+/-0.481 χ^2/NDF: 5528313.9/11

diff_bpm_4eY_4ecY_dd_mean vs Slug, Sign Corrected



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: 0.114+/-0.173 χ^2/NDF: 39.4/36

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

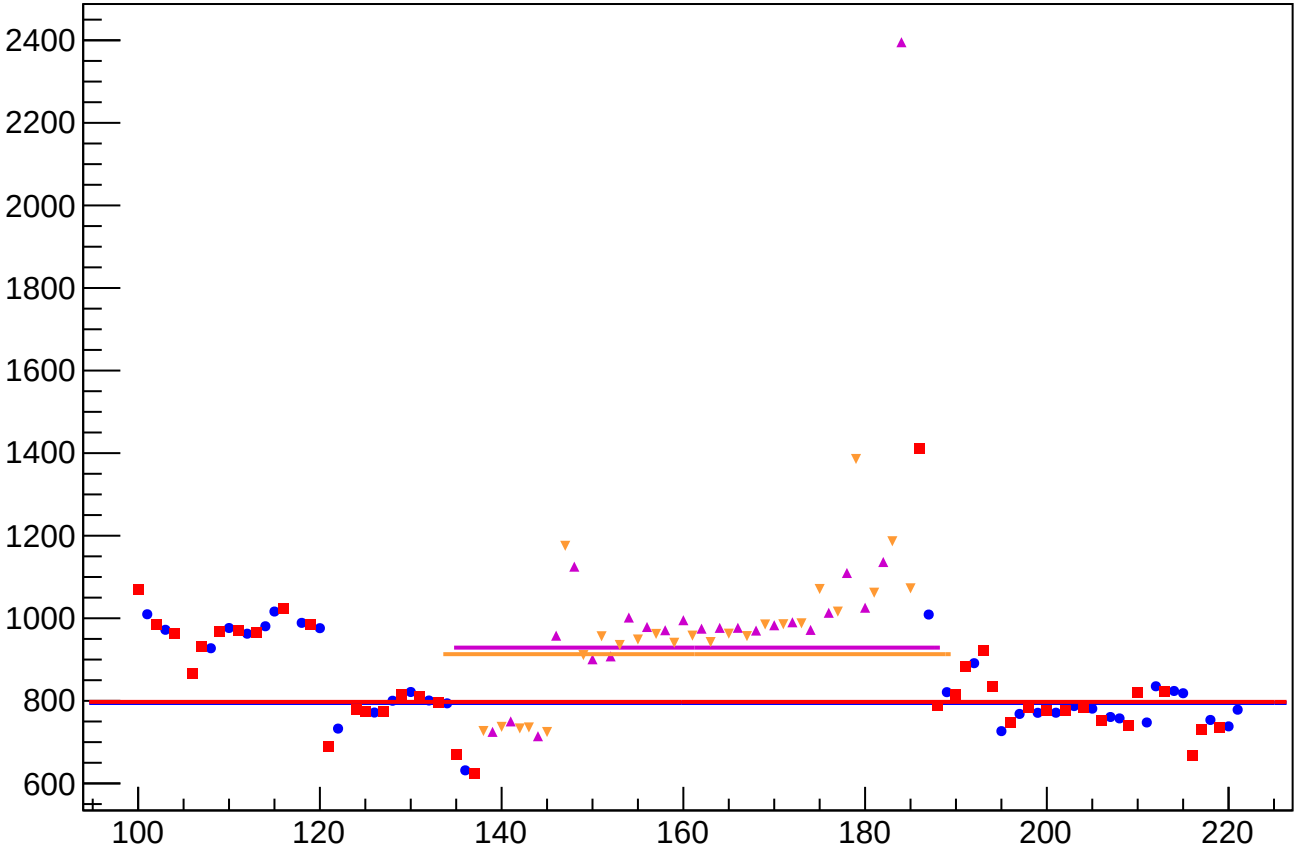
Right: 0.107+/-0.121 χ^2/NDF: 70.8/70

In: 0.006+/-0.135 χ^2/NDF:50.6/56

Out: 0.069+/-0.134 χ^2/NDF:71.2/61

All: 0.038+/-0.095 χ^2/NDF: 121.9/118

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: 797.498+/-0.122 χ^2/NDF: 657961.4/36

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

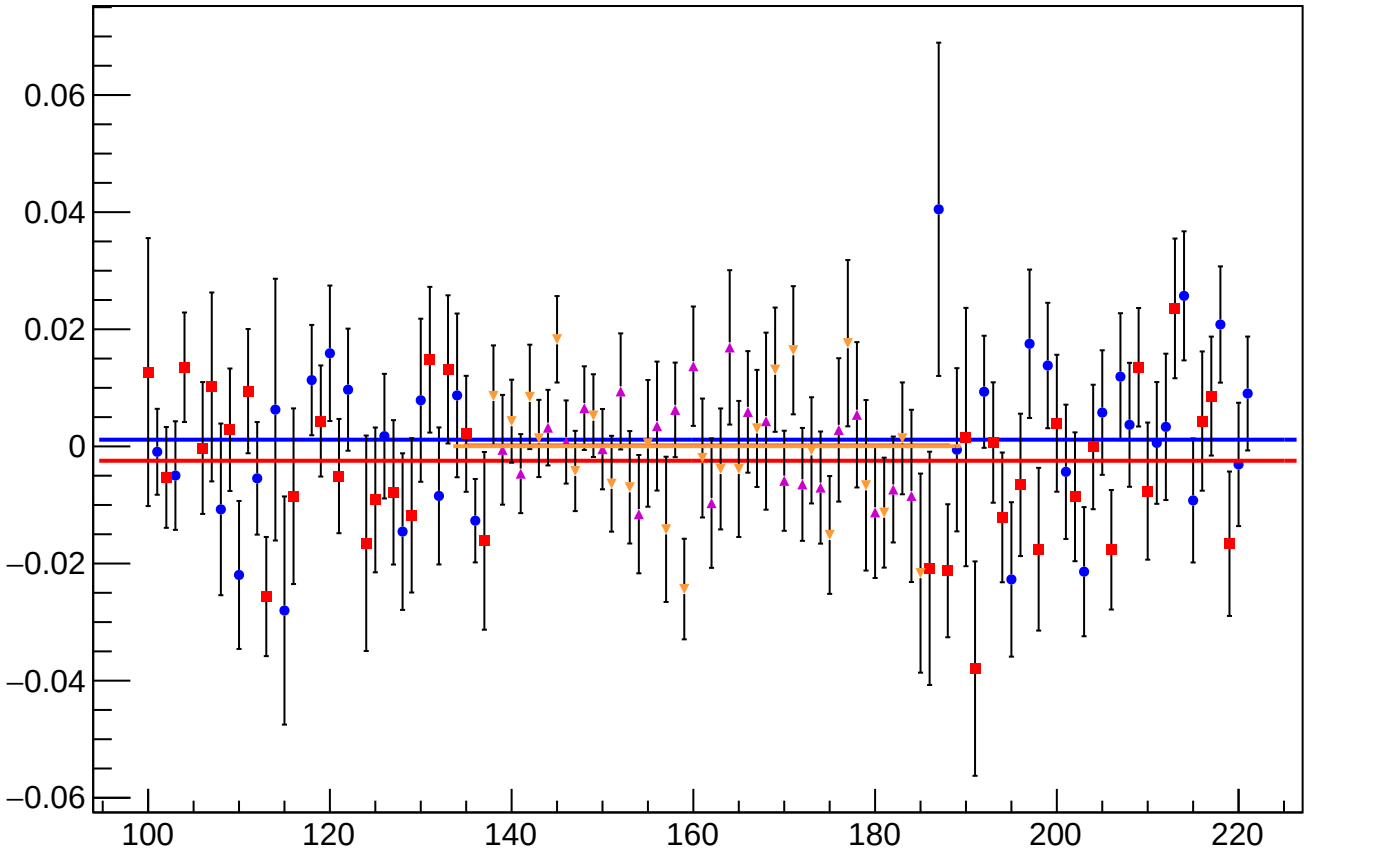
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 796.122+/-0.086 χ^2/NDF: 1142014.6/70

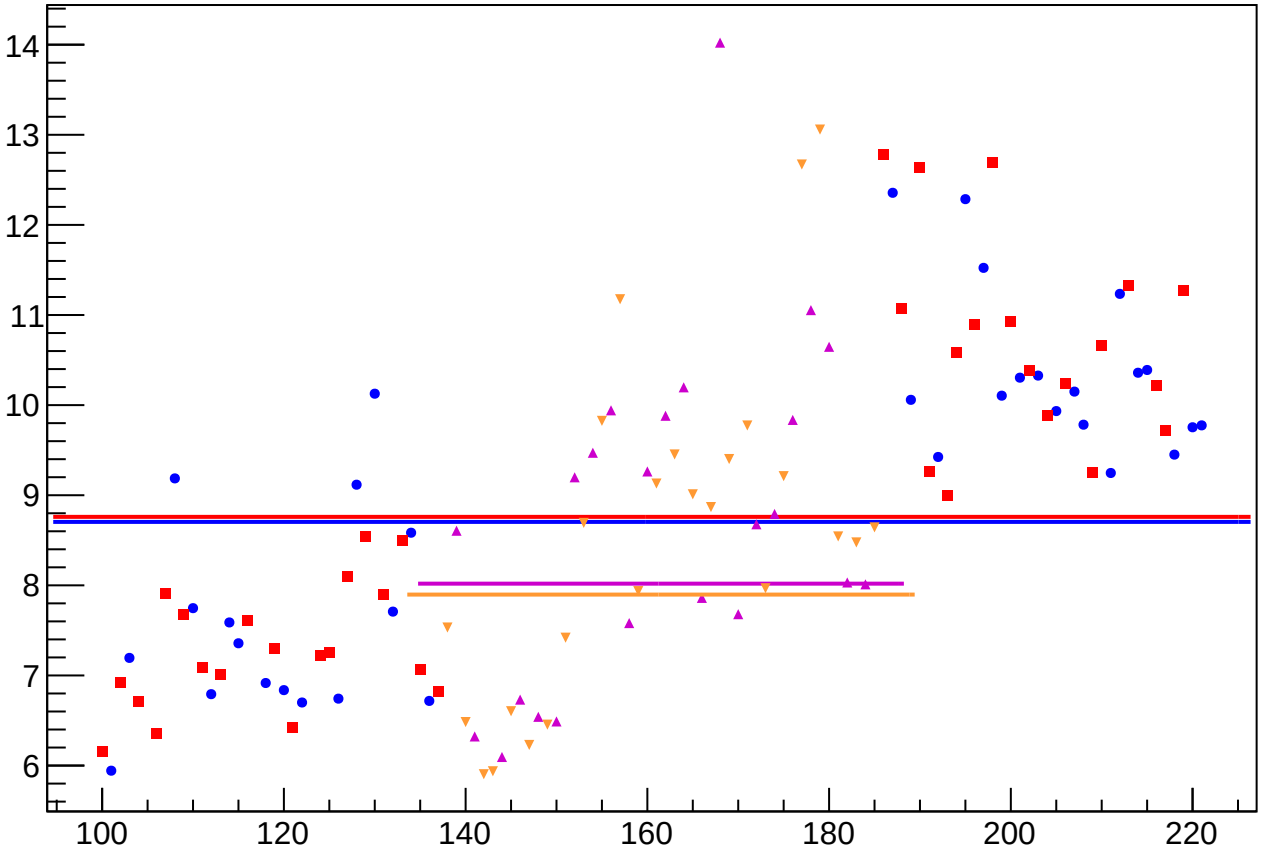
In: 844.733+/-0.095 χ^2/NDF:1714912.4/56

Out: 843.783+/-0.095 χ^2/NDF:1903761.4/61

All: 844.255+/-0.067 χ^2/NDF: 3618723.5/118


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
220
Right In: 0.001+/-0.002 χ²/NDF: 42.4/33
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.002+/-0.002 χ²/NDF: 40.3/36
Left In: 0.000+/-0.002 χ²/NDF:12.8/22
Left: 0.000+/-0.001 χ²/NDF: 43.9/47
Right: -0.001+/-0.001 χ²/NDF: 84.5/70
In: 0.001+/-0.001 χ²/NDF:55.4/56
Out: -0.001+/-0.001 χ²/NDF:72.3/61
All: -0.000+/-0.001 χ²/NDF: 128.6/118

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: 8.760+/-0.001 χ^2/NDF: 1727032.9/36

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

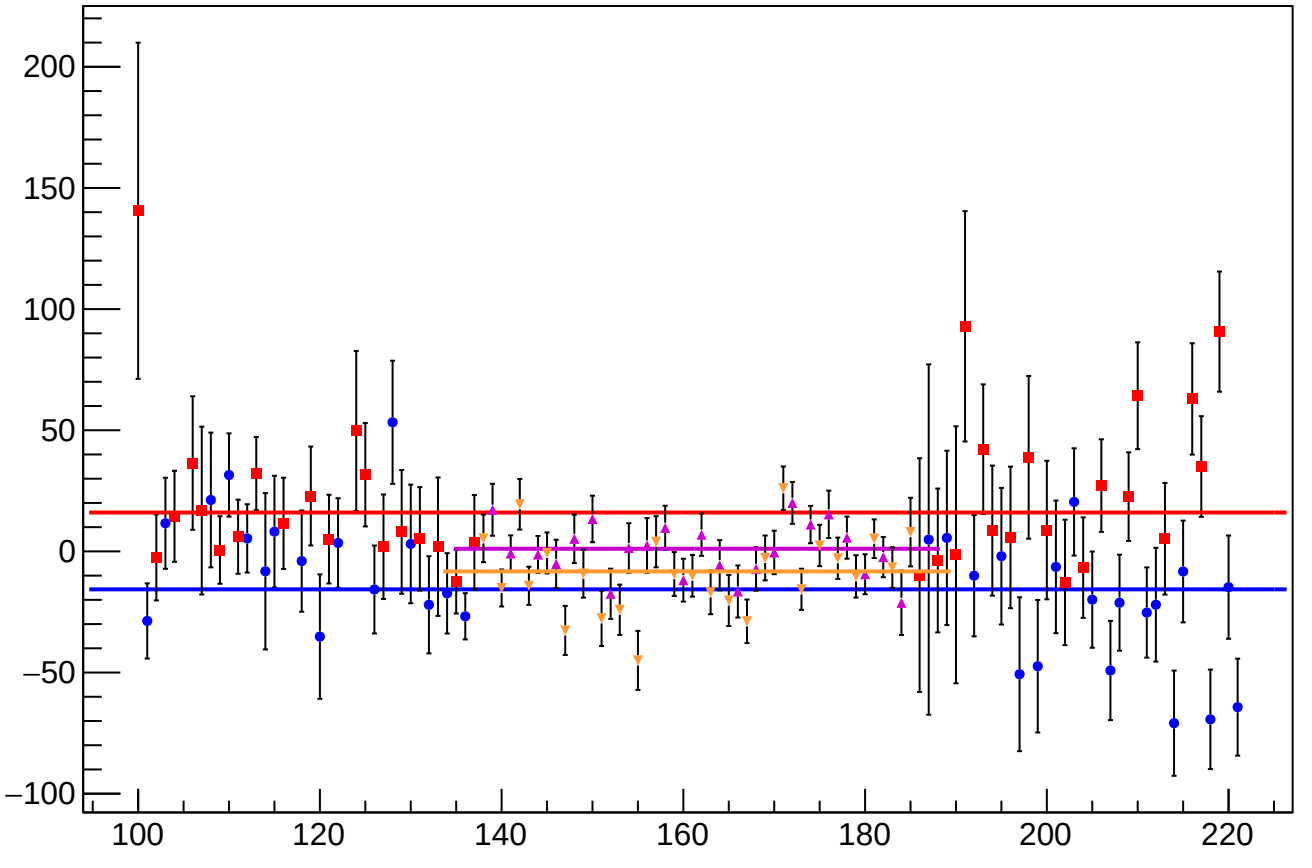
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.731+/-0.001 χ^2/NDF: 3378625.5/70

In: 8.366+/-0.001 χ^2/NDF:3235858.7/56

Out: 8.308+/-0.001 χ^2/NDF:3526477.0/61

All: 8.337+/-0.001 χ^2/NDF: 6764154.1/118



Right In: -15.664+/-3.476 χ^2/NDF: 55.4/33

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 16.050+/-3.609 χ^2/NDF: 43.0/36

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

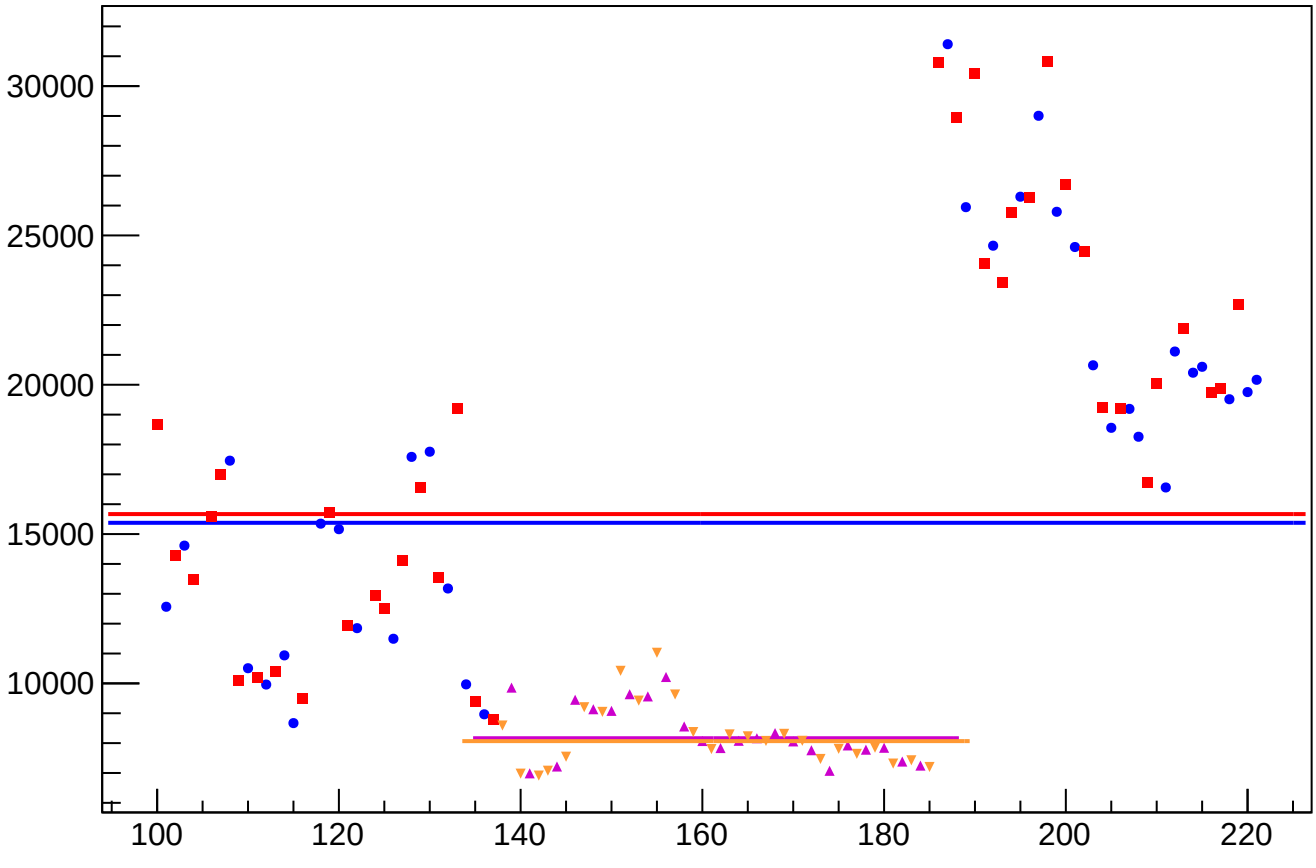
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: -0.405+/-2.504 χ^2/NDF: 138.4/70

In: -2.844+/-1.681 χ^2/NDF:102.0/56

Out: -3.202+/-1.646 χ^2/NDF:141.1/61

All: -3.026+/-1.176 χ^2/NDF: 243.1/118



Right In: 15377.139+/-2.458 χ^2/NDF: 4728305.8/33

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 15669.241+/-2.552 χ^2/NDF: 5115495.2/36

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

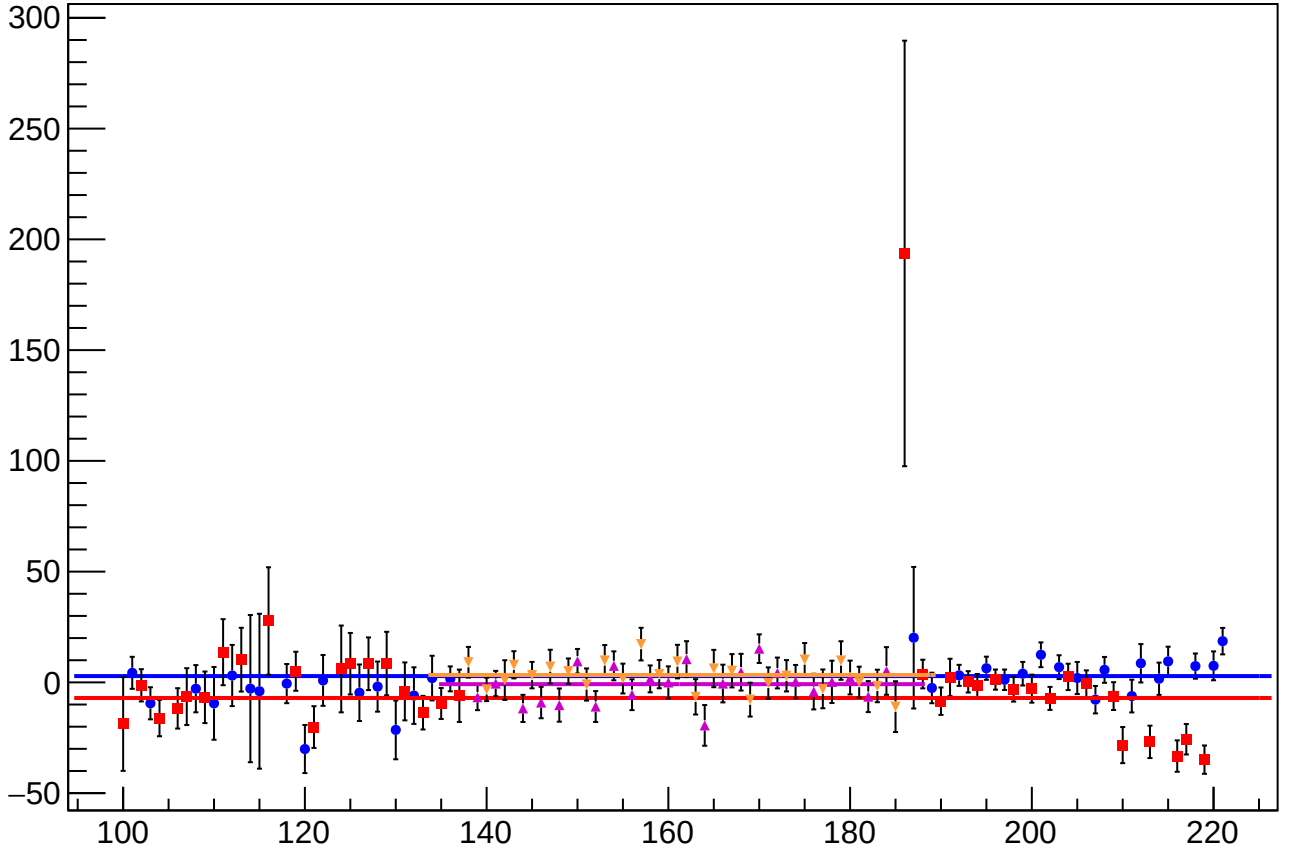
Right: 15517.683+/-1.770 χ^2/NDF: 9850597.7/70

In: 9851.204+/-1.189 χ^2/NDF:11760175.0/56

Out: 9647.723+/-1.164 χ^2/NDF:12641936.5/61

All: 9747.308+/-0.832 χ^2/NDF: 24417071.4/1

diff_targ_positionY_mean vs Slug, Sign Corrected



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: -7.042+/-1.255 χ^2/NDF: 91.2/36

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

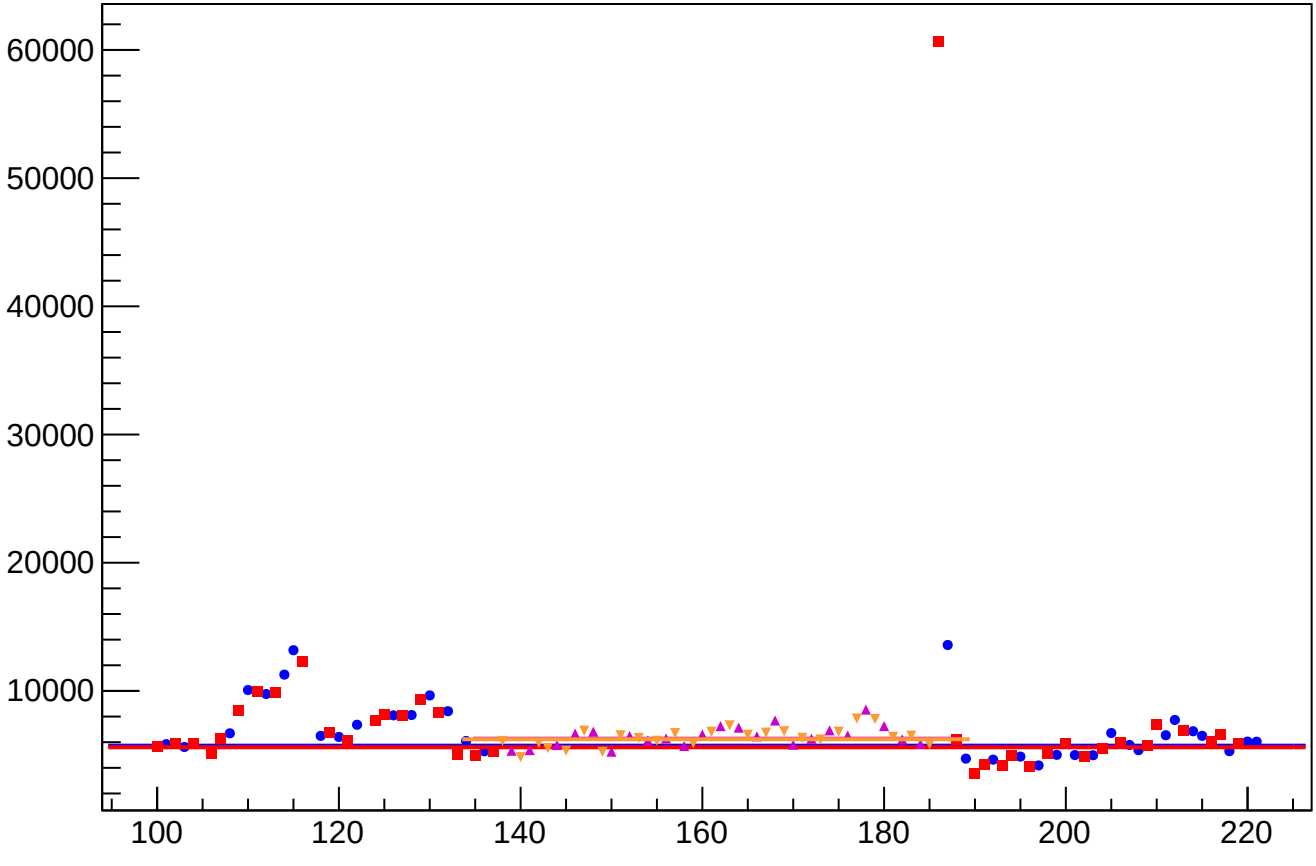
Right: -2.095+/-0.887 χ^2/NDF: 159.1/70

In: 1.321+/-0.957 χ^2/NDF:69.9/56

Out: -2.530+/-0.944 χ^2/NDF:137.8/61

All: -0.631+/-0.672 χ^2/NDF: 215.9/118

diff_targ_positionY_rms vs Slug, Sign Corrected



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: 5603.929+/-0.888 χ^2/NDF: 2738557.8/36

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

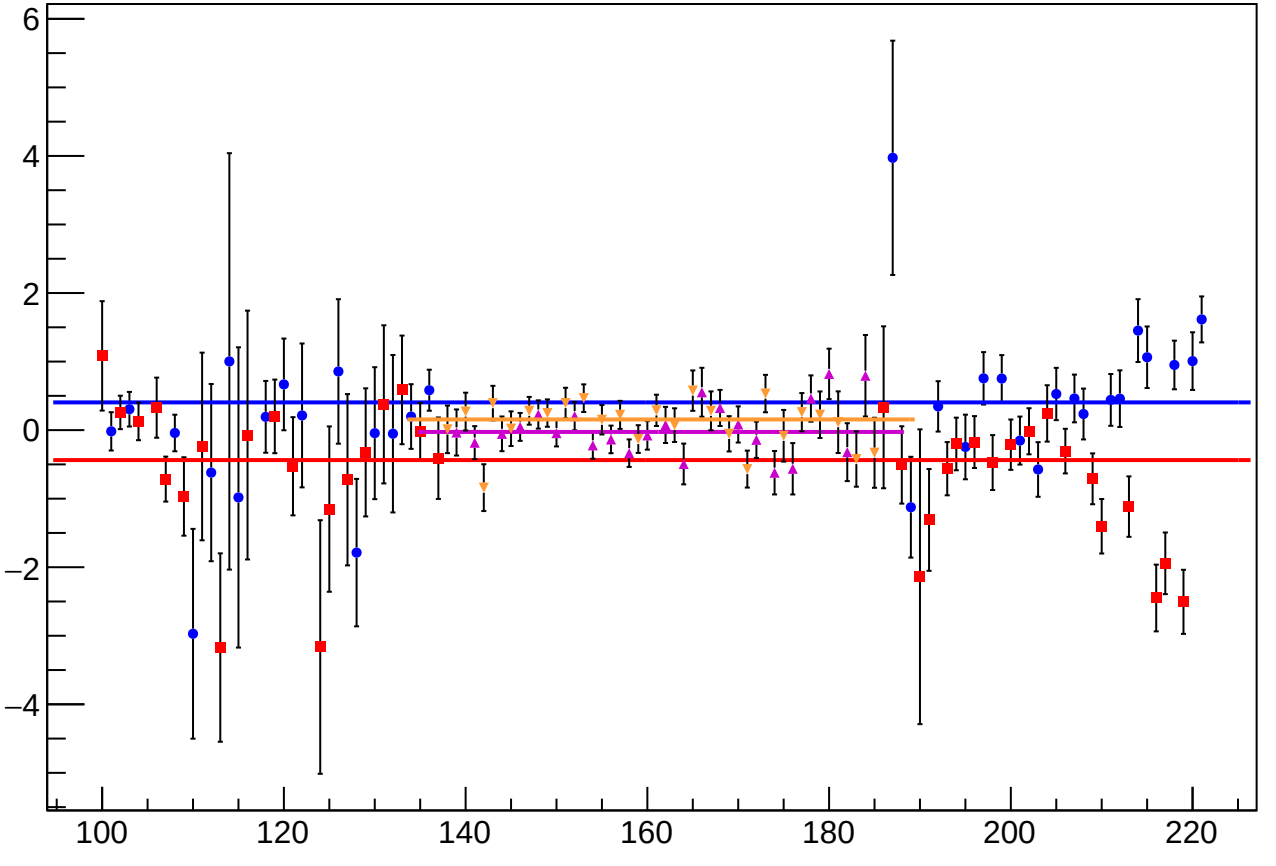
Right: 5666.711+/-0.627 χ^2/NDF: 4645759.3/70

In: 5956.013+/-0.676 χ^2/NDF:2557854.3/56

Out: 5876.729+/-0.667 χ^2/NDF:3488184.2/61

All: 5915.828+/-0.475 χ^2/NDF: 6053001.7/11

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: -0.437+/-0.078 χ^2/NDF: 96.8/36

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

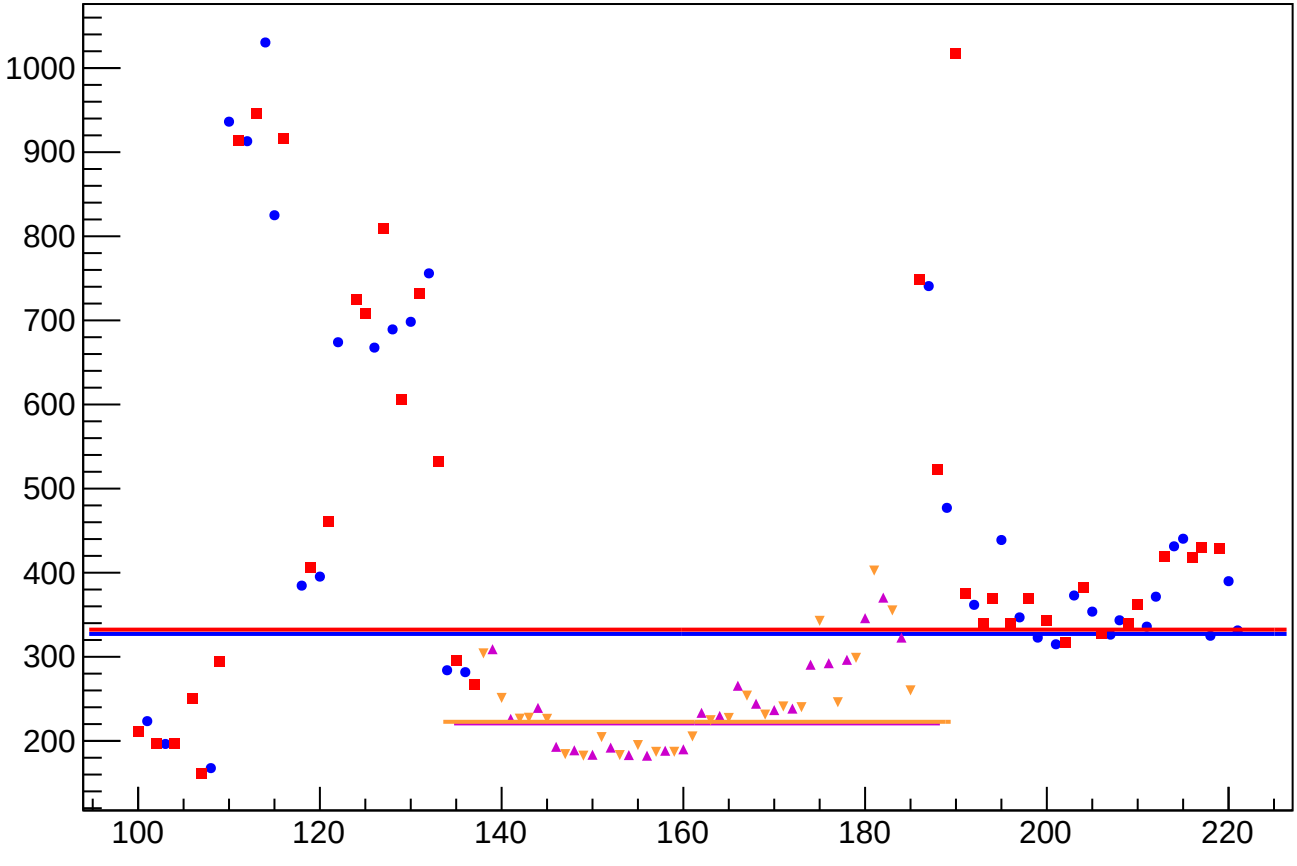
Right: 0.002+/-0.054 χ^2/NDF: 221.3/70

In: 0.119+/-0.043 χ^2/NDF:115.1/56

Out: -0.028+/-0.043 χ^2/NDF:169.4/61

All: 0.045+/-0.030 χ^2/NDF: 290.3/118

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: 332.311+/-0.055 χ^2/NDF: 5090149.0/36

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

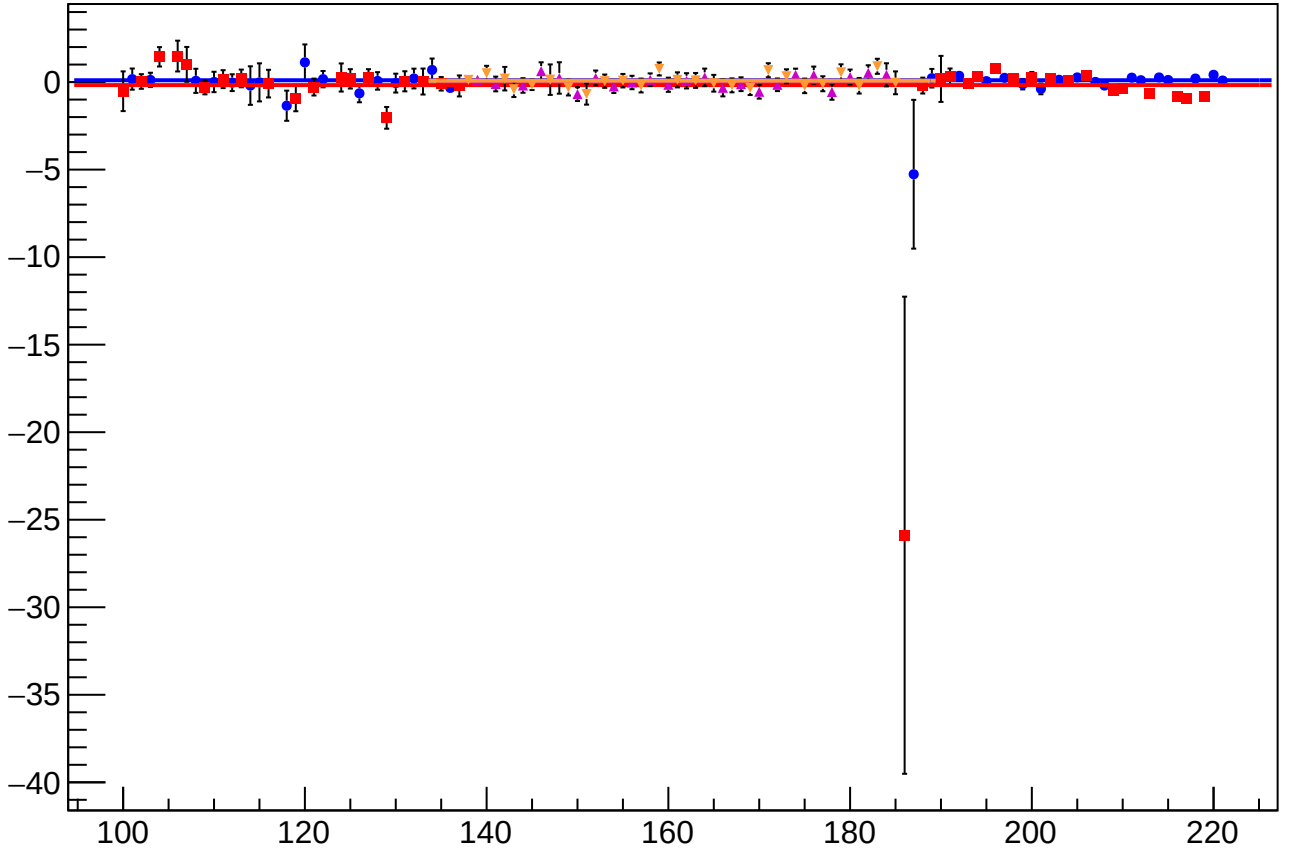
Right: 329.641+/-0.038 χ^2/NDF: 9575013.3/70

In: 256.679+/-0.030 χ^2/NDF:8672610.8/56

Out: 256.652+/-0.030 χ^2/NDF:9300730.8/61

All: 256.666+/-0.022 χ^2/NDF: 17973341.9/11

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: -0.173+/-0.057 χ^2/NDF: 102.1/36

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

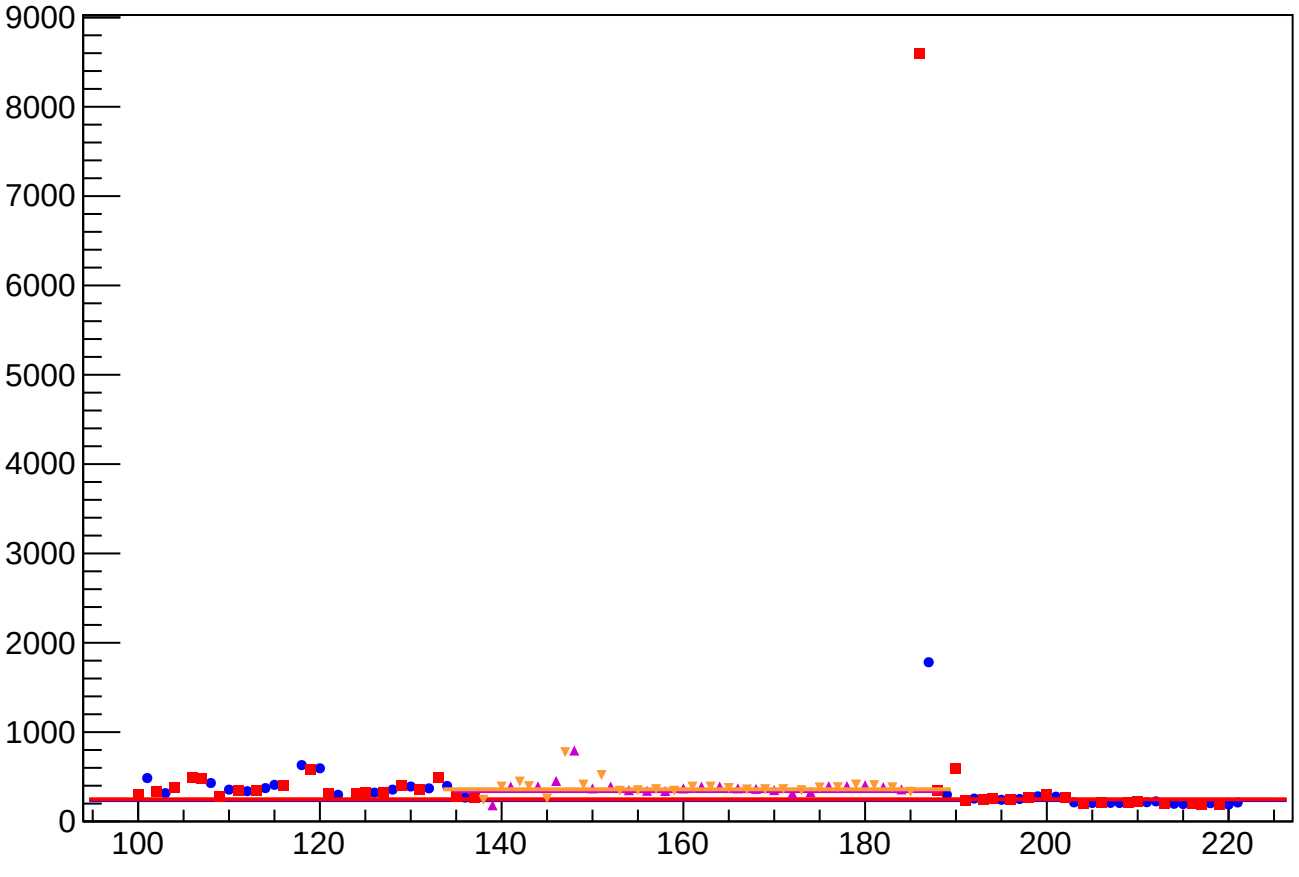
Right: -0.026+/-0.039 χ^2/NDF: 136.4/70

In: 0.076+/-0.045 χ^2/NDF:37.8/56

Out: -0.094+/-0.047 χ^2/NDF:127.2/61

All: -0.005+/-0.032 χ^2/NDF: 171.9/118

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: 247.876+/-0.040 χ^2/NDF: 3393972.1/36

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

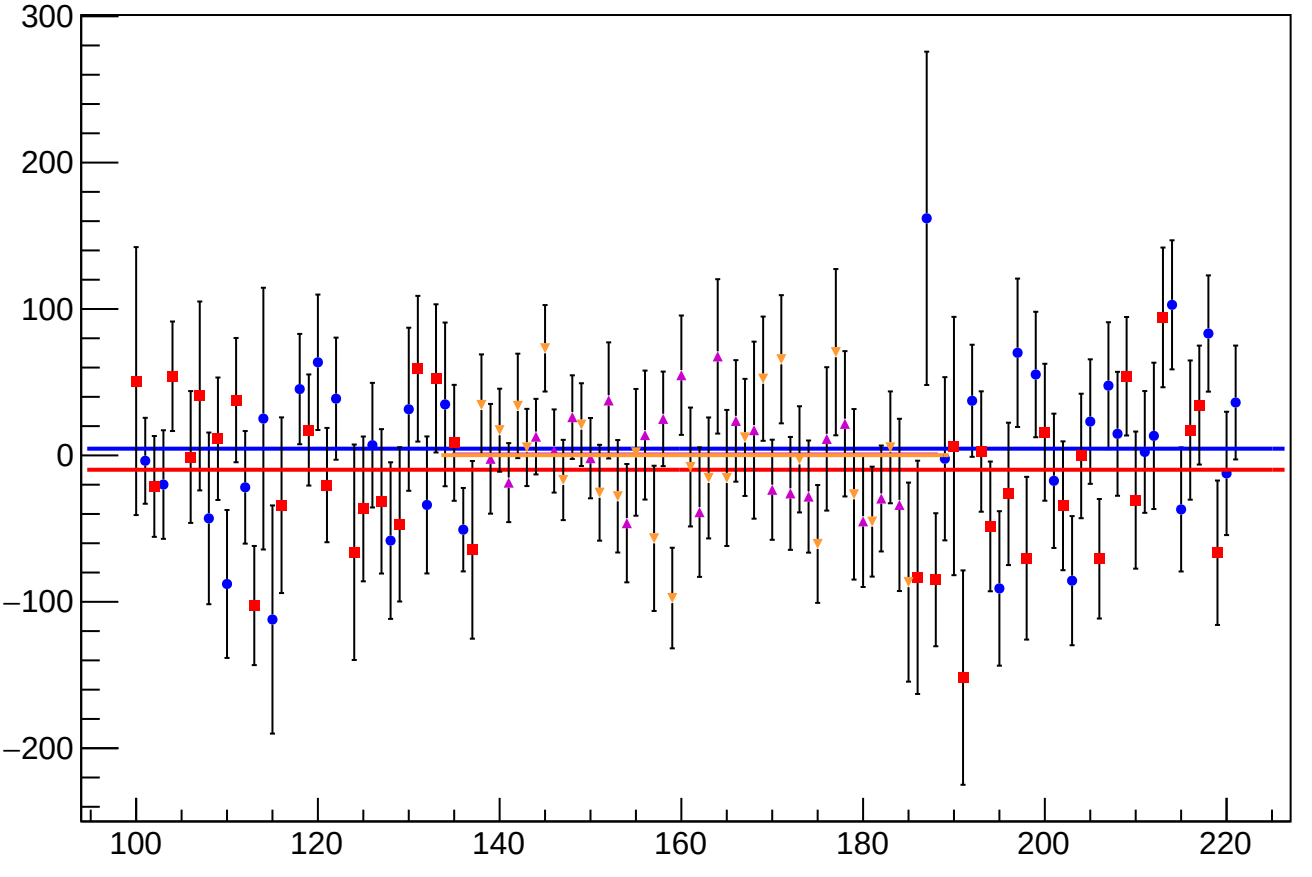
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 243.361+/-0.027 χ^2/NDF: 6412141.0/70

In: 268.798+/-0.032 χ^2/NDF:7309674.8/56

Out: 282.732+/-0.033 χ^2/NDF:7172531.3/61

All: 275.428+/-0.023 χ^2/NDF: 14574338.7/1



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: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

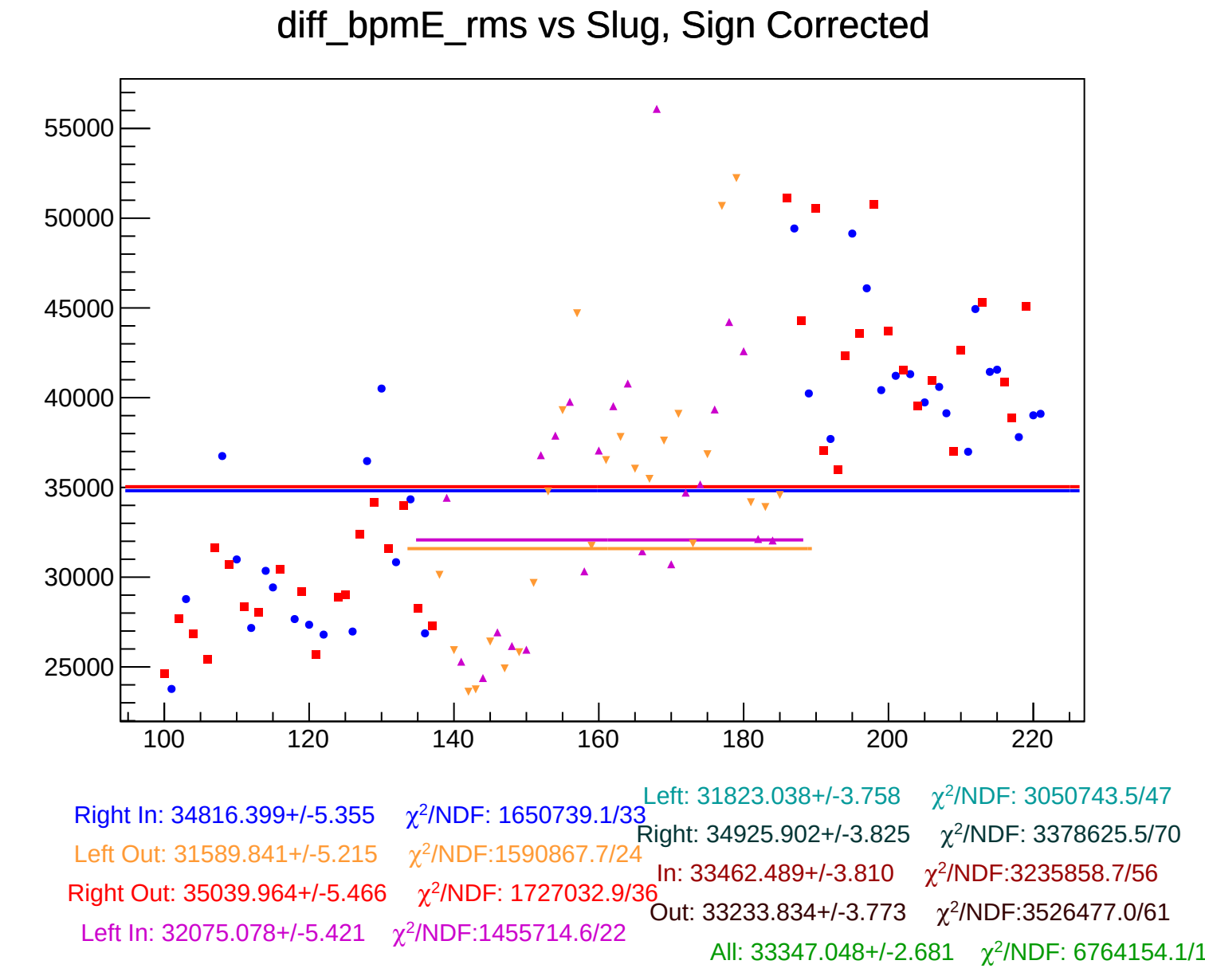
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

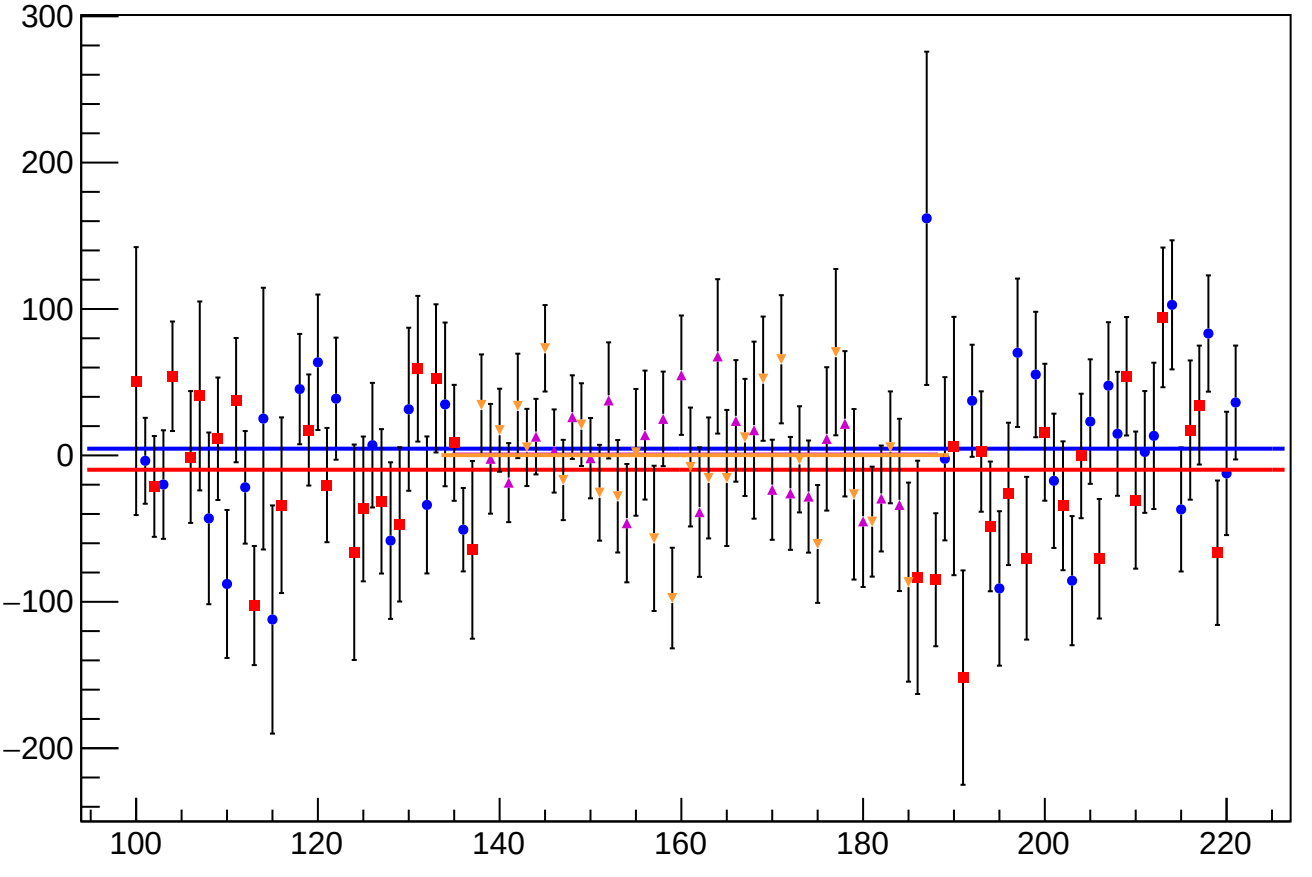
Right: -2.453+/-5.410 χ^2/NDF: 84.5/70

In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.017+/-3.791 χ^2/NDF: 128.6/118


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: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34925.902+/-3.825 χ²/NDF: 3378625.5/70
In: 33462.489+/-3.810 χ²/NDF:3235858.7/56
Out: 33233.834+/-3.773 χ²/NDF:3526477.0/61
All: 33347.048+/-2.681 χ²/NDF: 6764154.1/1



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: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

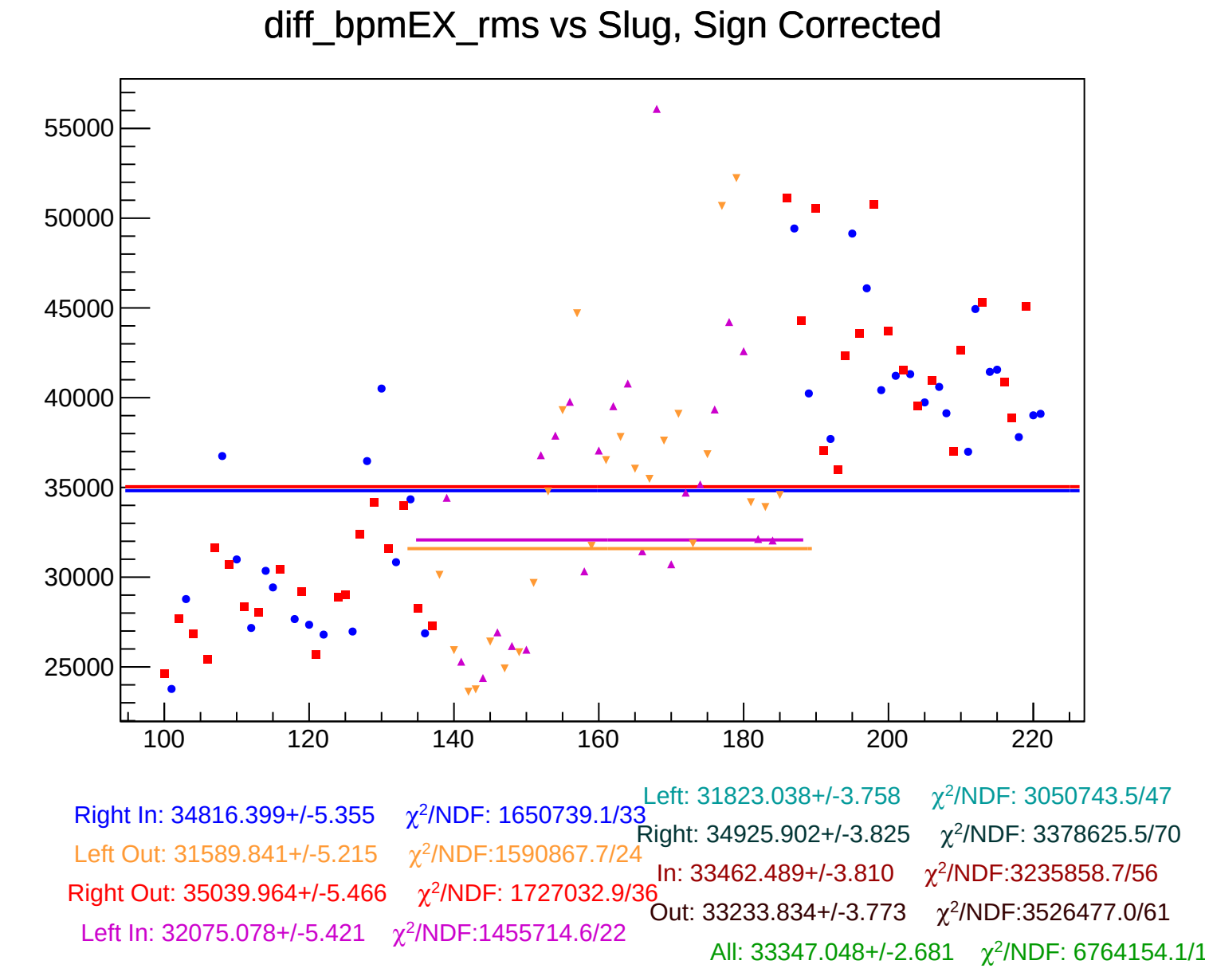
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.453+/-5.410 χ^2/NDF: 84.5/70

In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.017+/-3.791 χ^2/NDF: 128.6/118


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
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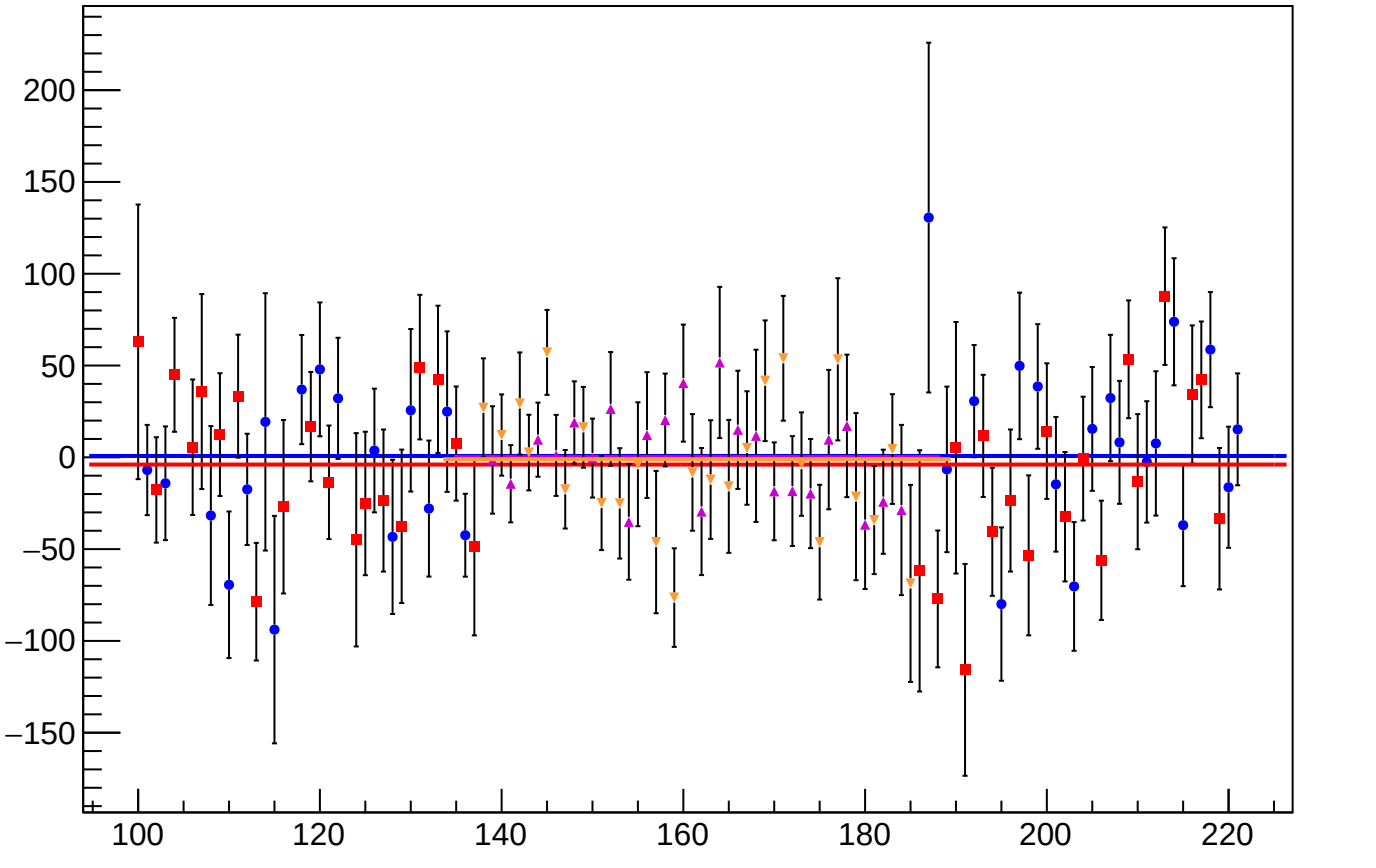
100
120
140
160
180
200
220
Right In: 34816.399+/-5.355 χ²/NDF: 1650739.1/33
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34925.902+/-3.825 χ²/NDF: 3378625.5/70
In: 33462.489+/-3.810 χ²/NDF:3235858.7/56
Out: 33233.834+/-3.773 χ²/NDF:3526477.0/61
All: 33347.048+/-2.681 χ²/NDF: 6764154.1/1



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: -3.944+/-6.159 χ^2/NDF: 45.5/36

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

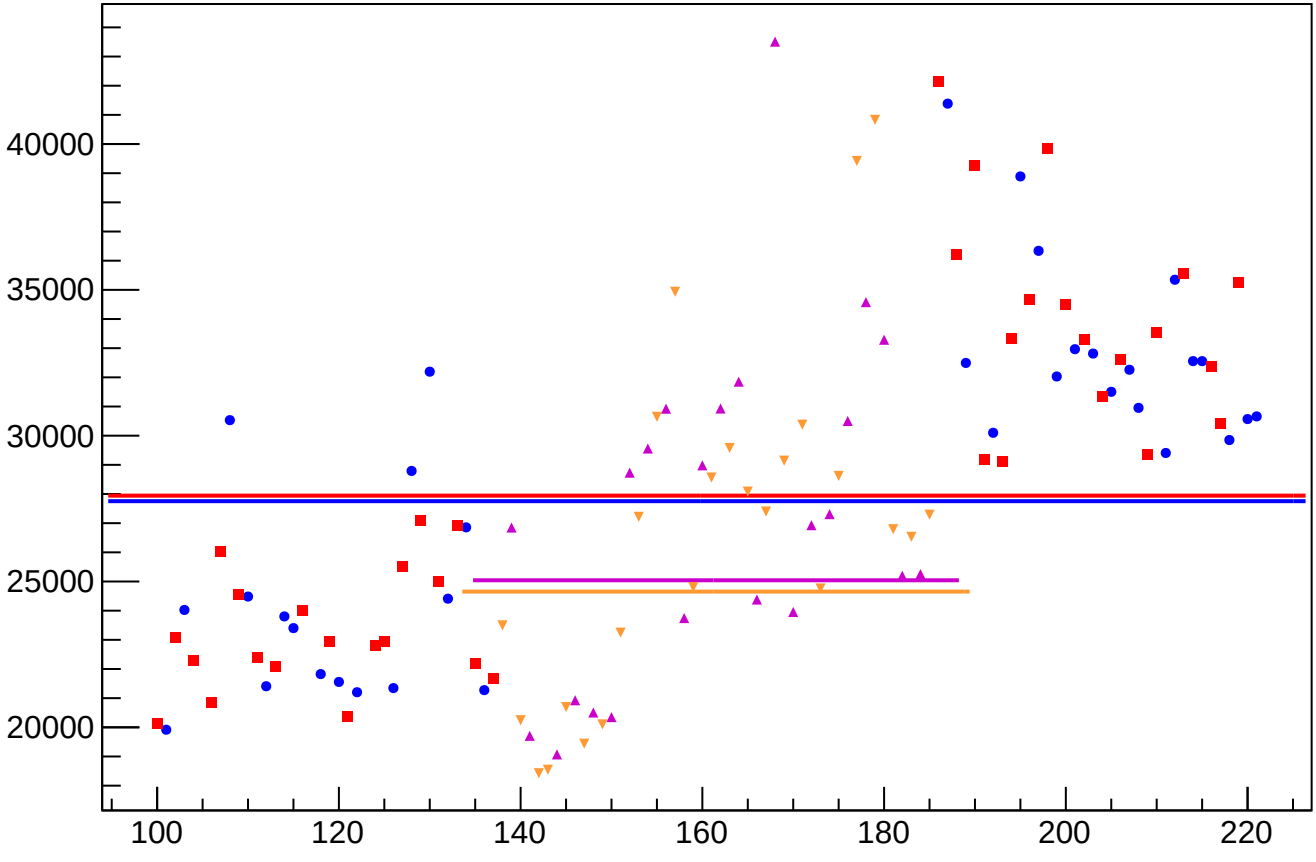
Right: -1.553+/-4.309 χ^2/NDF: 86.8/70

In: 0.440+/-4.248 χ^2/NDF:53.2/56

Out: -2.394+/-4.205 χ^2/NDF:77.9/61

All: -0.991+/-2.988 χ^2/NDF: 131.3/118

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 27754.413+/-4.263 χ^2/NDF: 1550398.6/33

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 27944.438+/-4.355 χ^2/NDF: 1649474.4/36

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

Left: 24840.393+/-2.933 χ^2/NDF: 3028719.5/47

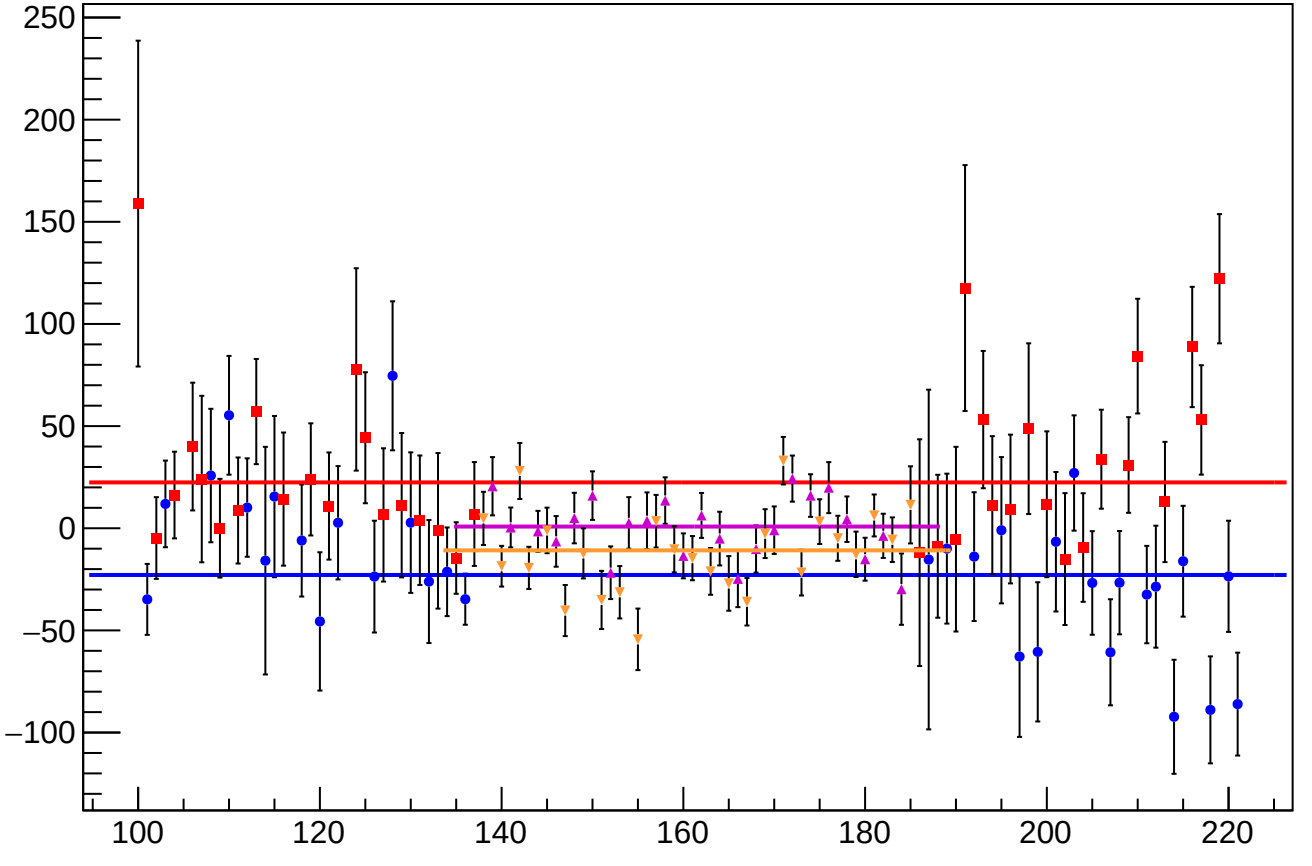
Right: 27847.407+/-3.047 χ^2/NDF: 3200845.2/70

In: 26388.101+/-3.003 χ^2/NDF:3195923.9/56

Out: 26187.654+/-2.973 χ^2/NDF:3536966.9/61

All: 26286.863+/-2.113 χ^2/NDF: 6735140.3/1

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: 22.442+/-4.867 χ^2/NDF: 46.0/36

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

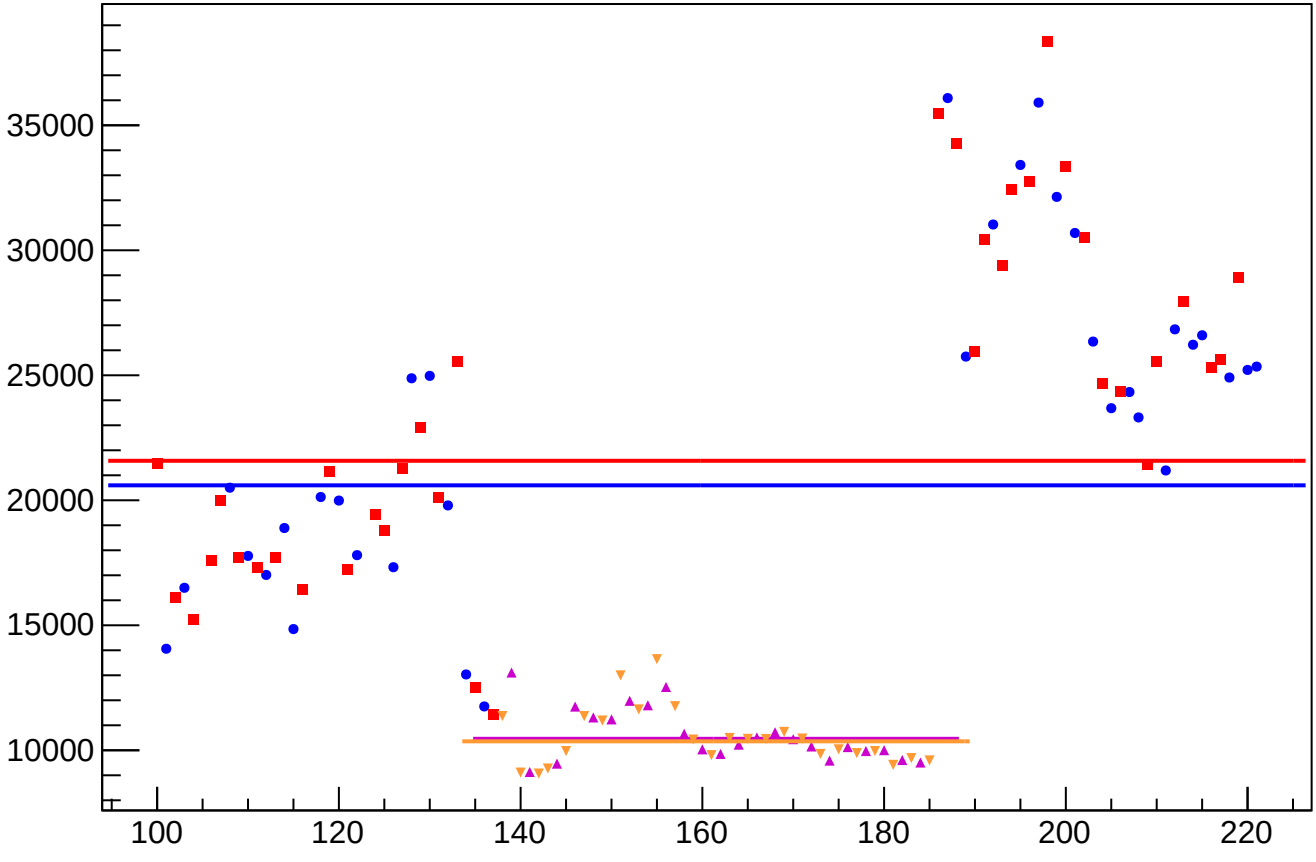
Right: -1.478+/-3.344 χ^2/NDF: 145.0/70

In: -4.428+/-2.168 χ^2/NDF:103.2/56

Out: -4.445+/-2.131 χ^2/NDF:145.1/61

All: -4.437+/-1.520 χ^2/NDF: 248.3/118

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 20598.100+/-3.254 χ^2/NDF: 3738967.5/33

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 21580.130+/-3.442 χ^2/NDF: 3542981.3/36

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

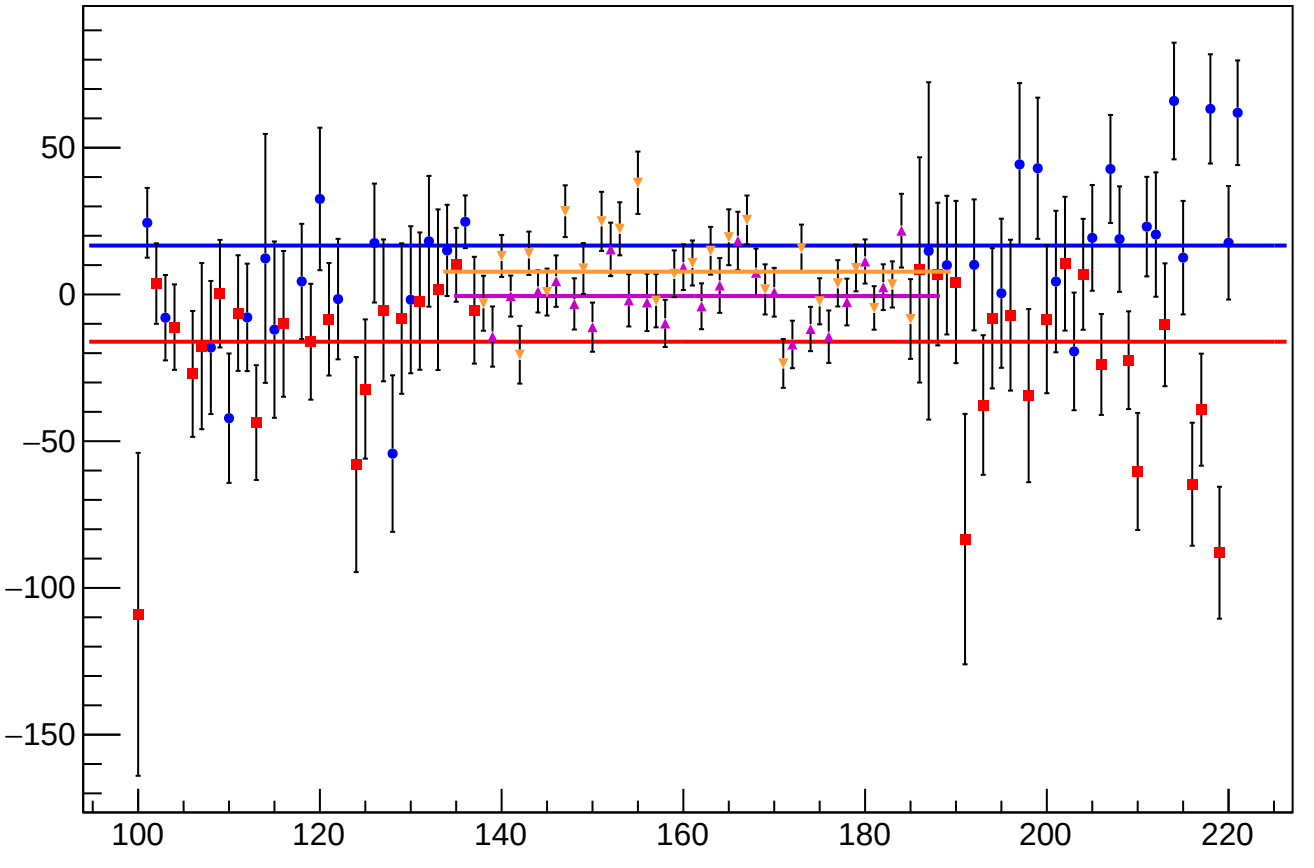
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 21061.672+/-2.365 χ^2/NDF: 7324930.9/70

In: 12707.765+/-1.533 χ^2/NDF:11606925.2/56

Out: 12509.552+/-1.507 χ^2/NDF:12499075.7/61

All: 12606.978+/-1.075 χ^2/NDF: 24114505.3



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: -16.104+/-3.479 χ^2/NDF: 47.2/36

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

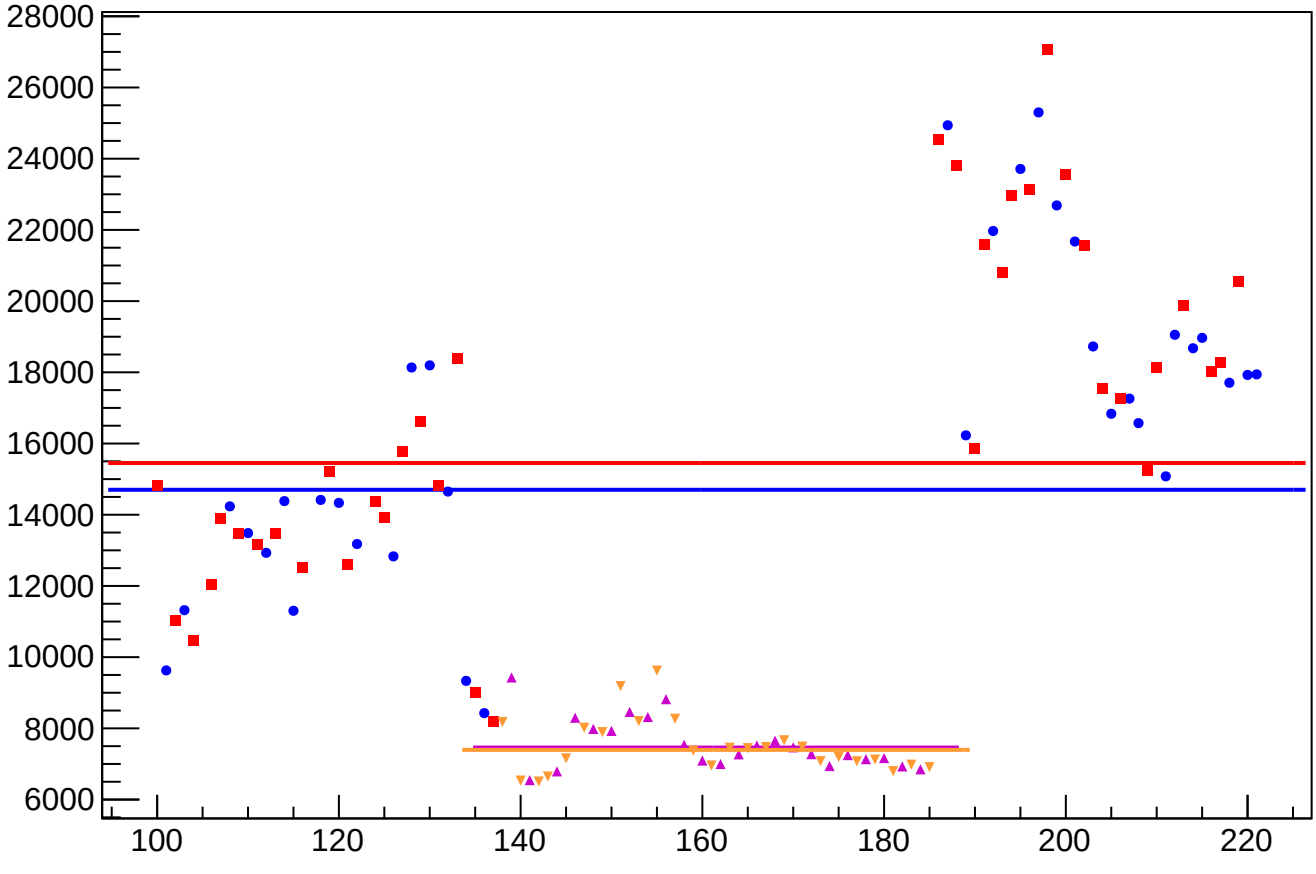
Right: 1.228+/-2.388 χ^2/NDF: 147.0/70

In: 3.279+/-1.546 χ^2/NDF:103.7/56

Out: 3.201+/-1.521 χ^2/NDF:146.2/61

All: 3.239+/-1.084 χ^2/NDF: 249.9/118

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: 15453.736+/-2.460 χ^2/NDF: 3404949.8/36

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

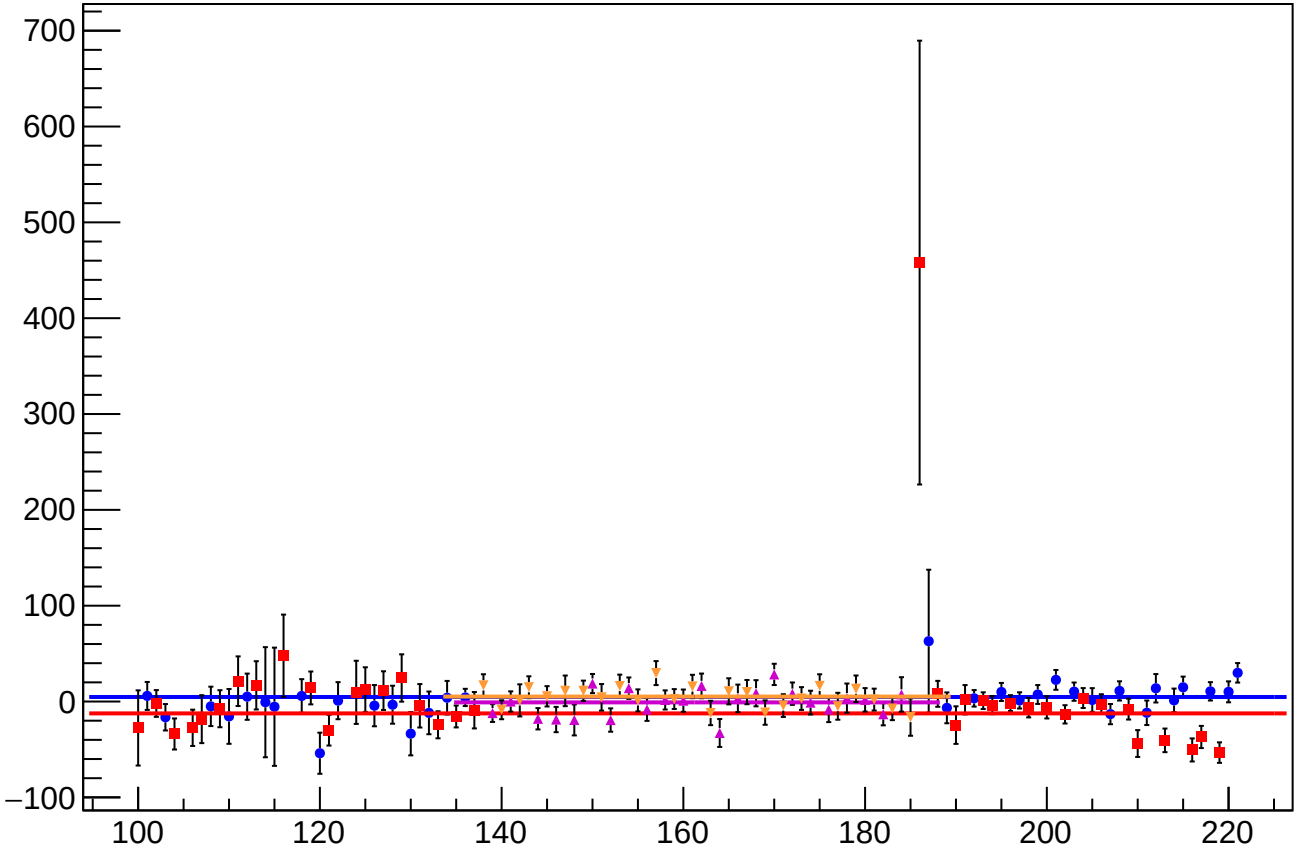
Right: 15055.619+/-1.689 χ^2/NDF: 7117064.8/70

In: 9065.201+/-1.093 χ^2/NDF:11515666.3/56

Out: 8936.041+/-1.076 χ^2/NDF:12406230.5/61

All: 8999.591+/-0.767 χ^2/NDF: 23928990.6/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



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: -12.387+/-2.274 χ^2/NDF: 74.1/36

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

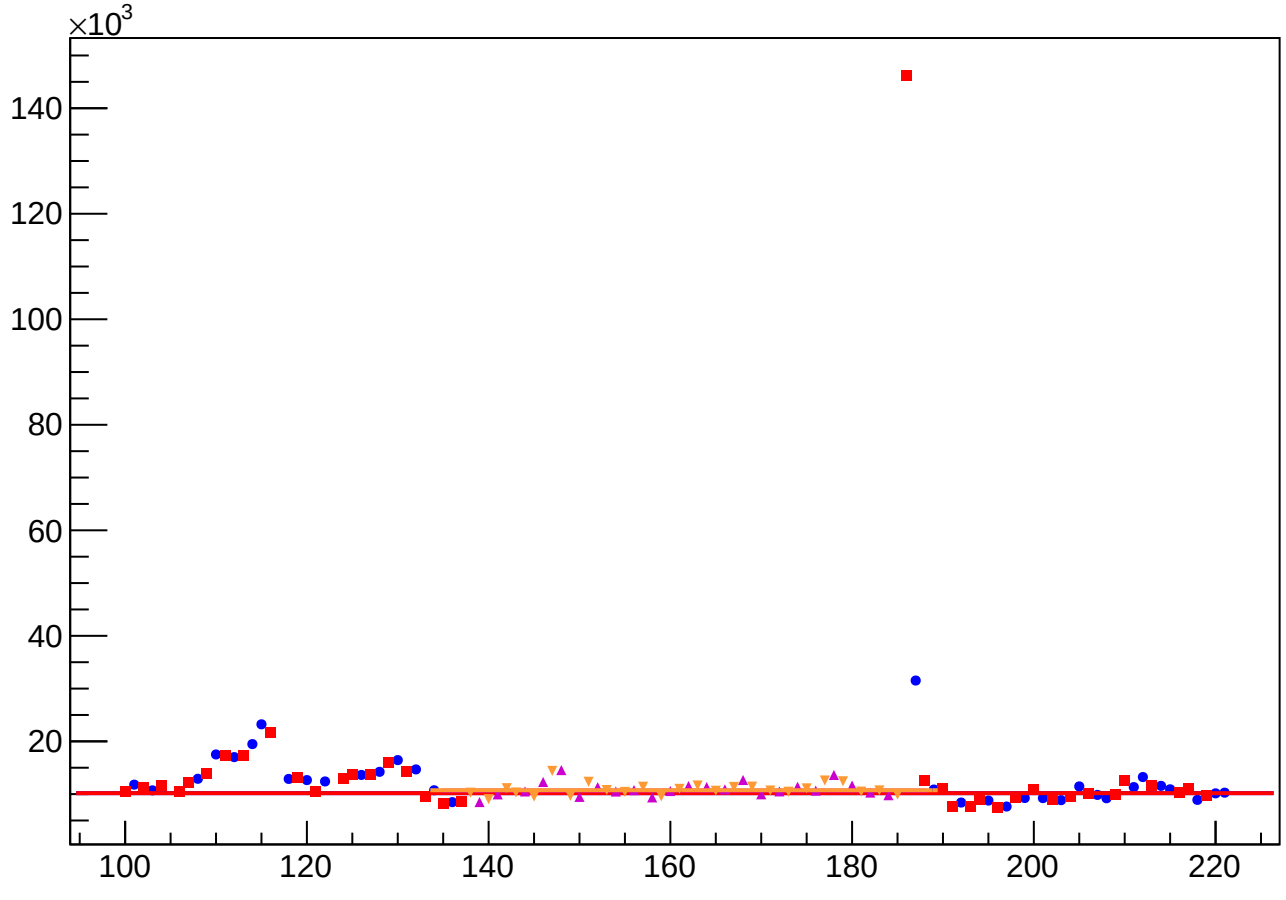
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -3.655+/-1.592 χ^2/NDF: 135.4/70

In: 2.259+/-1.669 χ^2/NDF:67.1/56

Out: -4.288+/-1.670 χ^2/NDF:120.0/61

All: -1.013+/-1.180 χ^2/NDF: 194.7/118



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: 10177.656+/-1.608 χ^2/NDF: 2405724.4/36

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

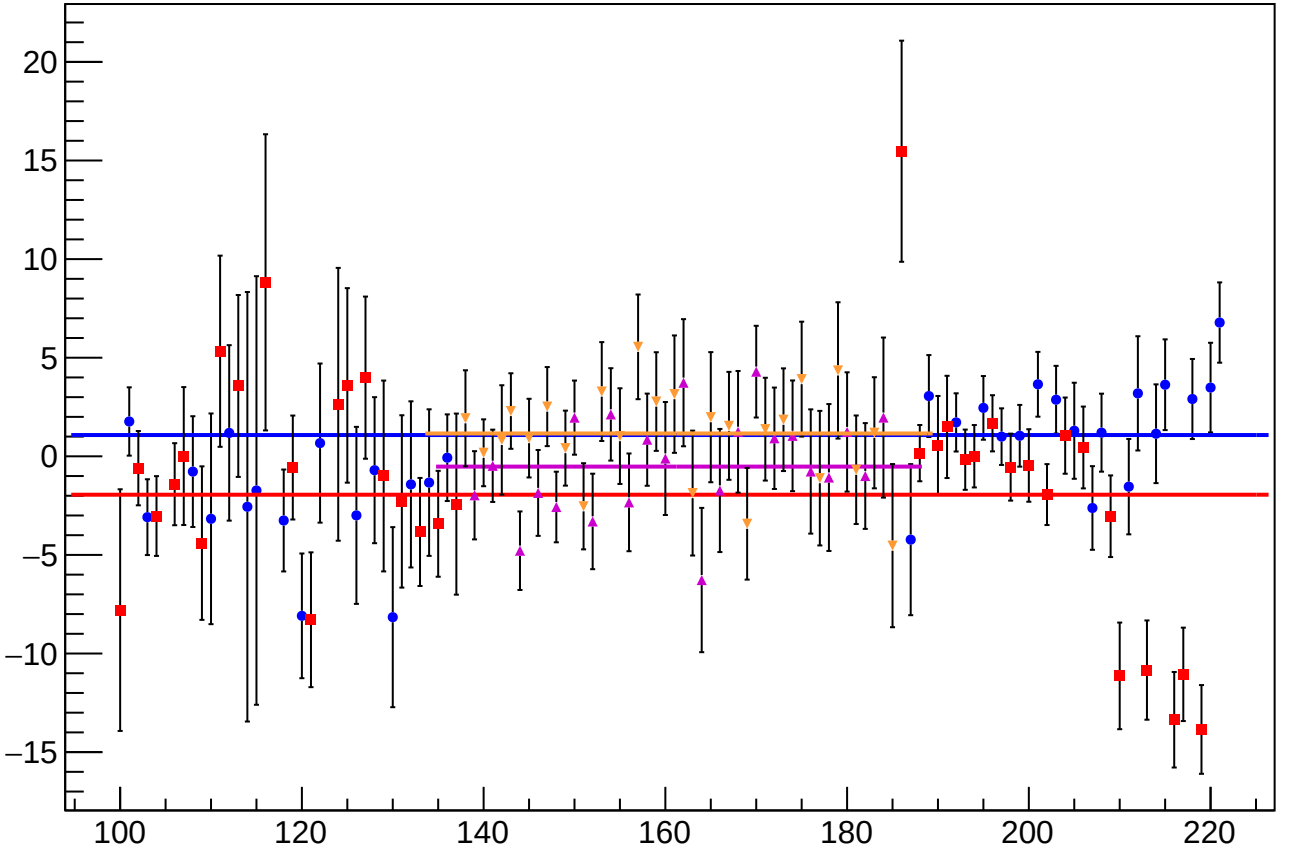
Right: 10180.708+/-1.125 χ^2/NDF: 4207099.3/70

In: 10400.313+/-1.180 χ^2/NDF:2345022.1/56

Out: 10434.069+/-1.181 χ^2/NDF:2829128.0/61

All: 10417.182+/-0.835 χ^2/NDF: 5174559.0/1

diff_bpm4aediffY_mean vs Slug, Sign Corrected



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: -1.947+/-0.389 χ^2/NDF: 134.9/36

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

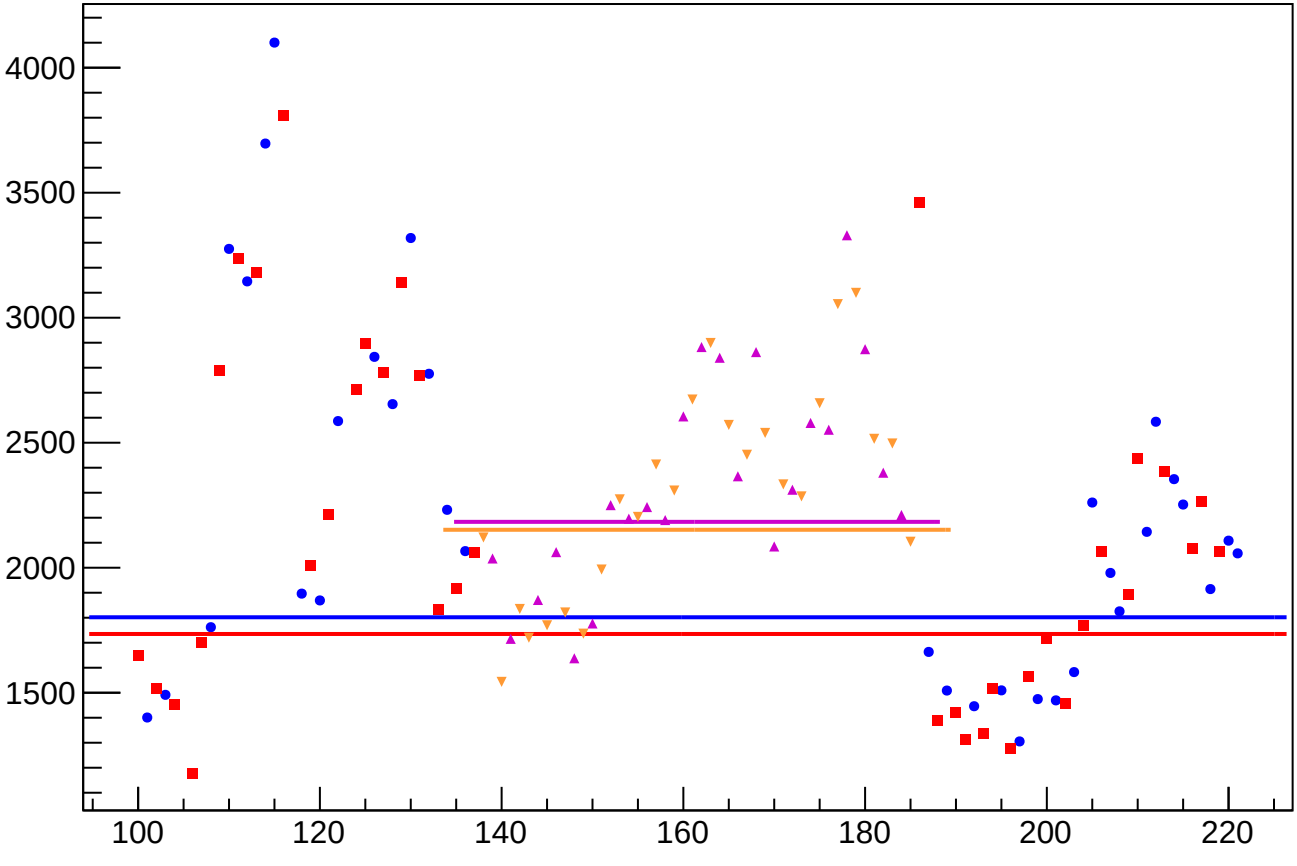
Right: -0.461+/-0.278 χ^2/NDF: 211.1/70

In: 0.490+/-0.315 χ^2/NDF:74.9/56

Out: -0.775+/-0.307 χ^2/NDF:175.7/61

All: -0.159+/-0.220 χ^2/NDF: 258.9/118

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: 1734.980+/-0.275 χ^2/NDF: 2912323.2/36

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

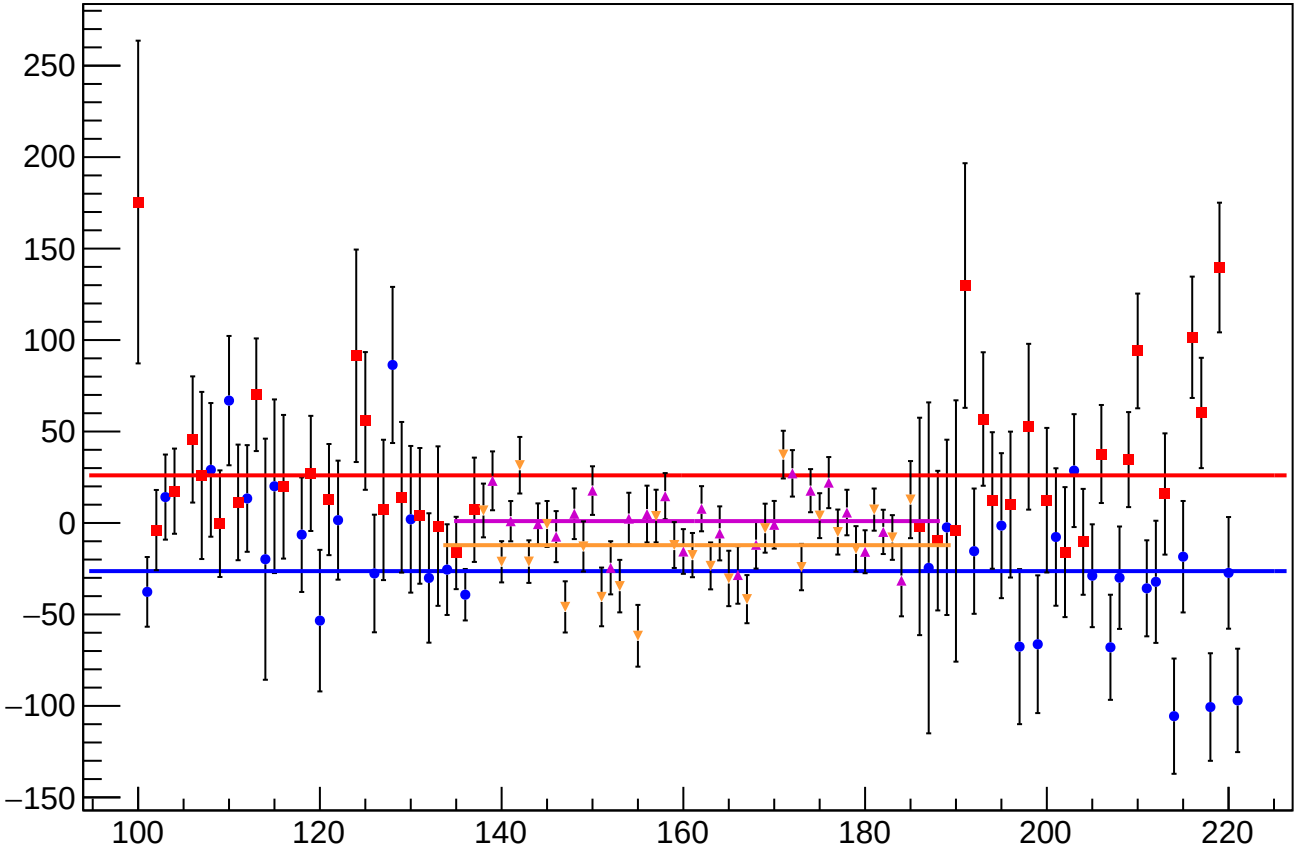
Right: 1767.789+/-0.196 χ^2/NDF: 5446895.6/70

In: 1942.191+/-0.223 χ^2/NDF:4349436.0/56

Out: 1892.272+/-0.217 χ^2/NDF:5126573.5/61

All: 1916.587+/-0.156 χ^2/NDF: 9501725.6/11

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: 26.034+/-5.516 χ^2/NDF: 46.5/36

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

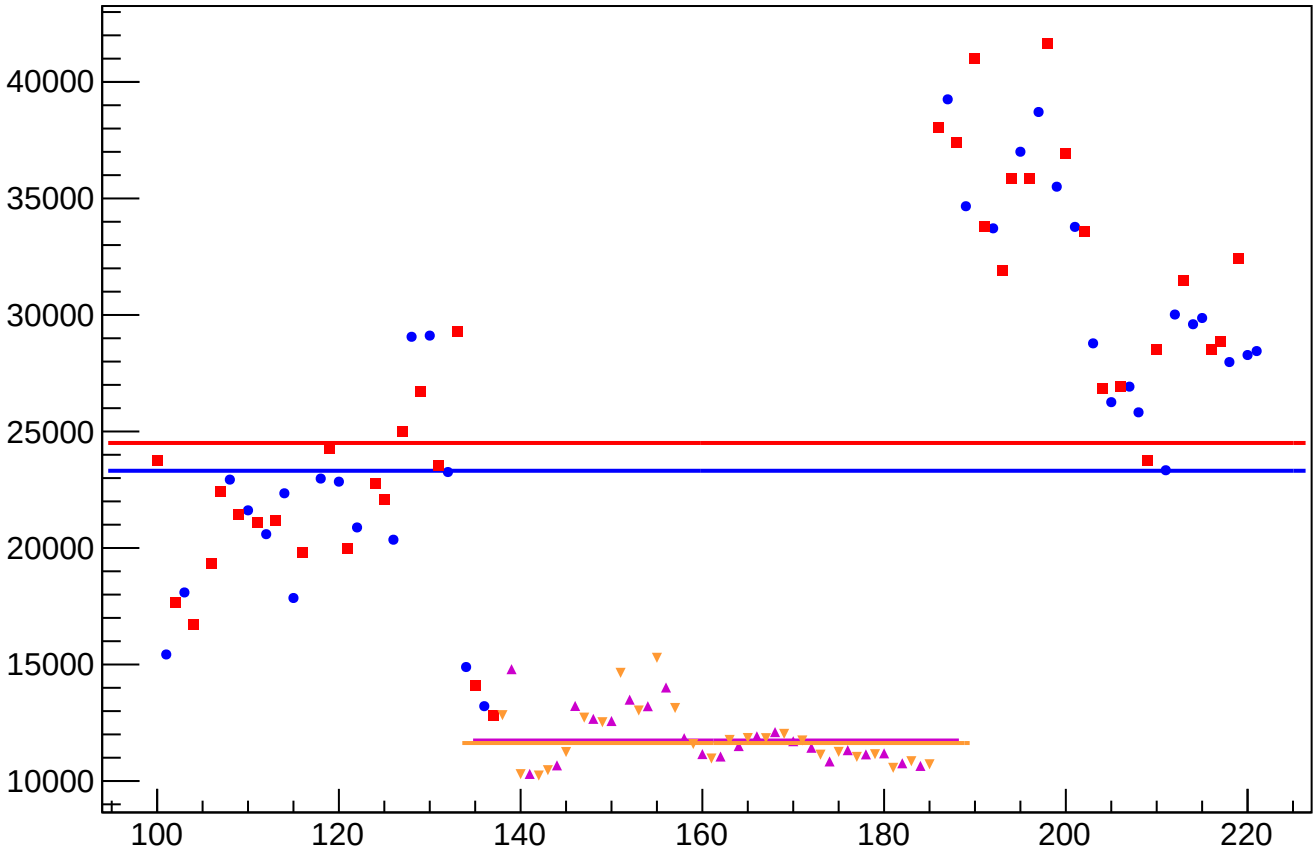
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

Right: -1.687+/-3.784 χ^2/NDF: 147.1/70

In: -4.979+/-2.436 χ^2/NDF:103.3/56

Out: -4.928+/-2.397 χ^2/NDF:147.9/61

All: -4.953+/-1.709 χ^2/NDF: 251.3/118



Right In: 23314.016+/-3.677 χ^2/NDF: 3642486.6/33

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 24507.065+/-3.900 χ^2/NDF: 3382844.3/36

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

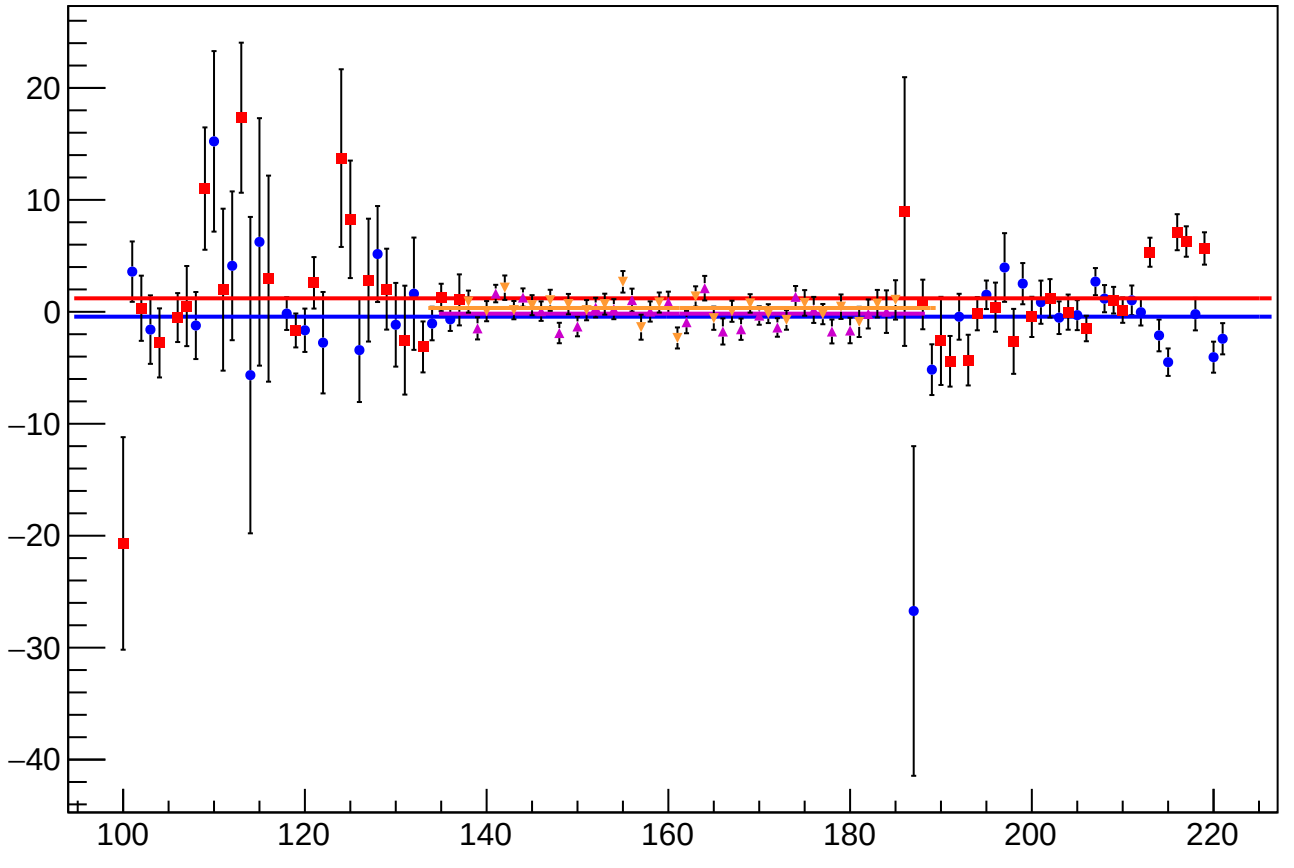
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 23875.327+/-2.675 χ^2/NDF: 7074873.6/70

In: 14279.570+/-1.723 χ^2/NDF:11692873.4/56

Out: 14061.349+/-1.695 χ^2/NDF:12580506.7/61

All: 14168.681+/-1.208 χ^2/NDF: 24281534.7



Right In: -0.434+/-0.304 χ^2/NDF: 56.4/33

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 1.206+/-0.329 χ^2/NDF: 100.7/36

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

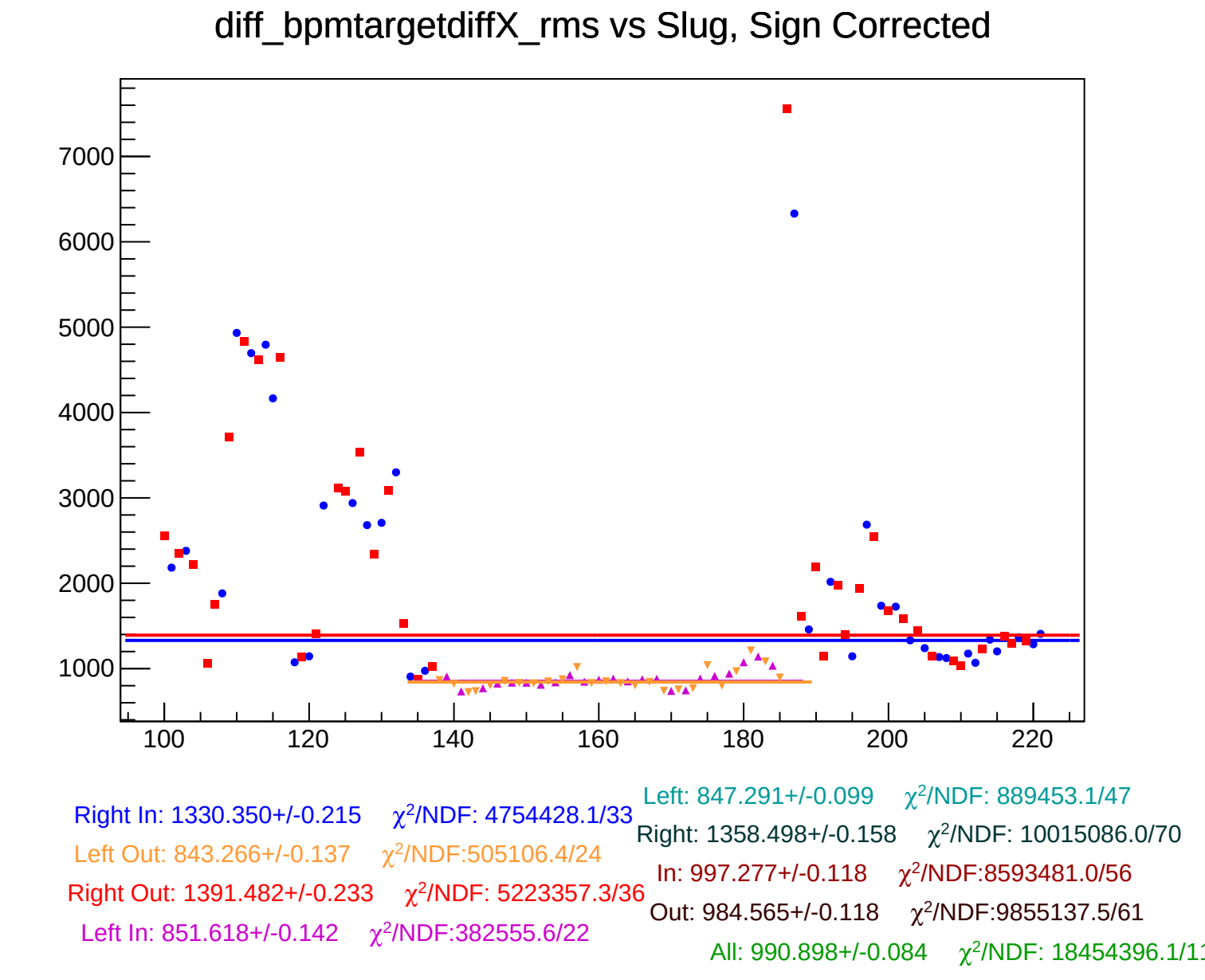
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: 0.321+/-0.223 χ^2/NDF: 170.5/70

In: -0.247+/-0.168 χ^2/NDF:93.3/56

Out: 0.565+/-0.167 χ^2/NDF:132.5/61

All: 0.161+/-0.118 χ^2/NDF: 237.6/118


diff_bpmtargetdiffX_rms vs Slug, Sign Corrected
7000
6000
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4000
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2000
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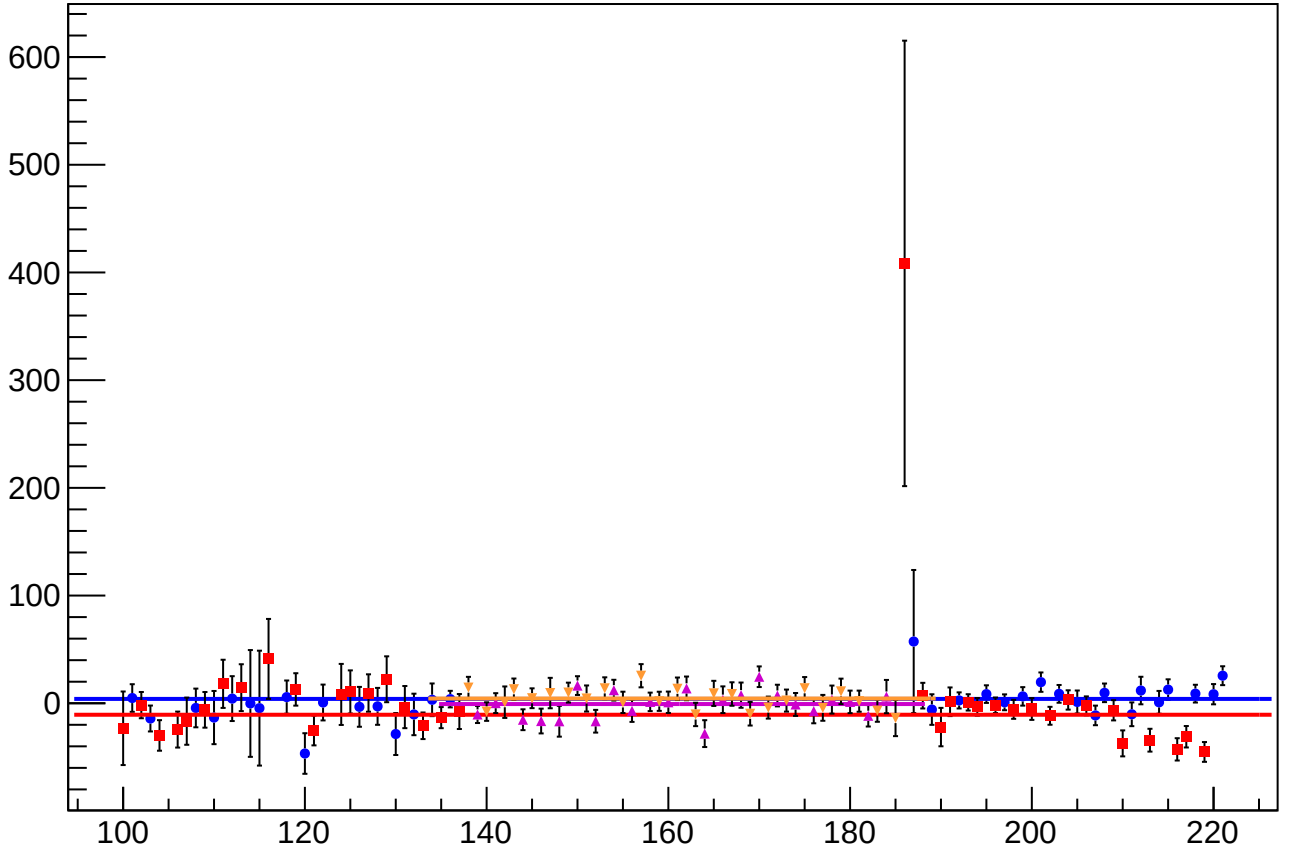
120
140
160
180
200
220
Right In: 1330.350+/-0.215 χ²/NDF: 4754428.1/33
Left Out: 843.266+/-0.137 χ²/NDF:505106.4/24
Right Out: 1391.482+/-0.233 χ²/NDF: 5223357.3/36
Left In: 851.618+/-0.142 χ²/NDF:382555.6/22
Left: 847.291+/-0.099 χ²/NDF: 889453.1/47
Right: 1358.498+/-0.158 χ²/NDF: 10015086.0/70
In: 997.277+/-0.118 χ²/NDF:8593481.0/56
Out: 984.565+/-0.118 χ²/NDF:9855137.5/61
All: 990.898+/-0.084 χ²/NDF: 18454396.1/11

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: -10.670+/-1.971 χ^2/NDF: 72.1/36

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

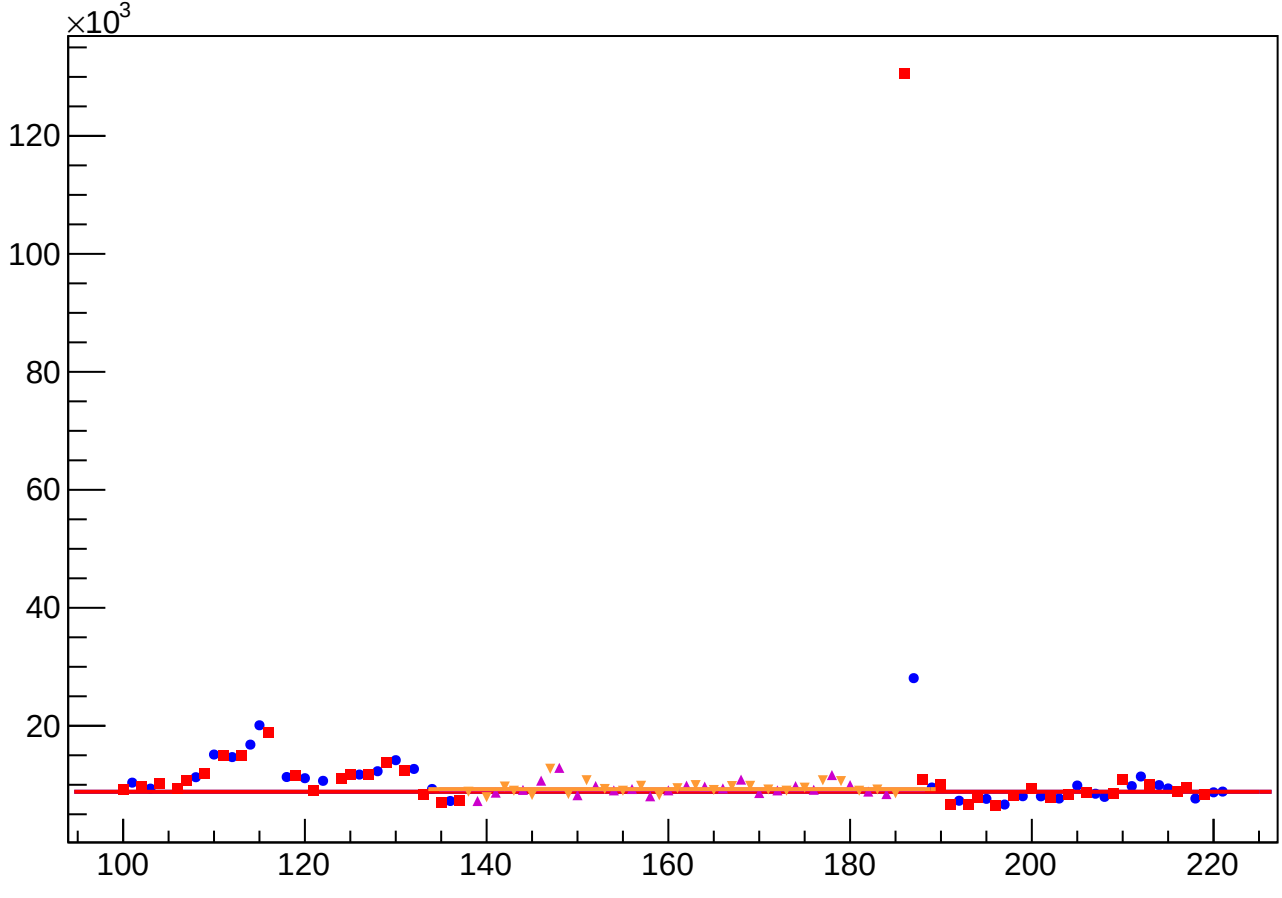
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -3.153+/-1.378 χ^2/NDF: 132.5/70

In: 1.933+/-1.441 χ^2/NDF:66.7/56

Out: -3.696+/-1.444 χ^2/NDF:117.7/61

All: -0.876+/-1.020 χ^2/NDF: 191.9/118



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: 8819.223+/-1.394 χ^2/NDF: 2403754.8/36

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

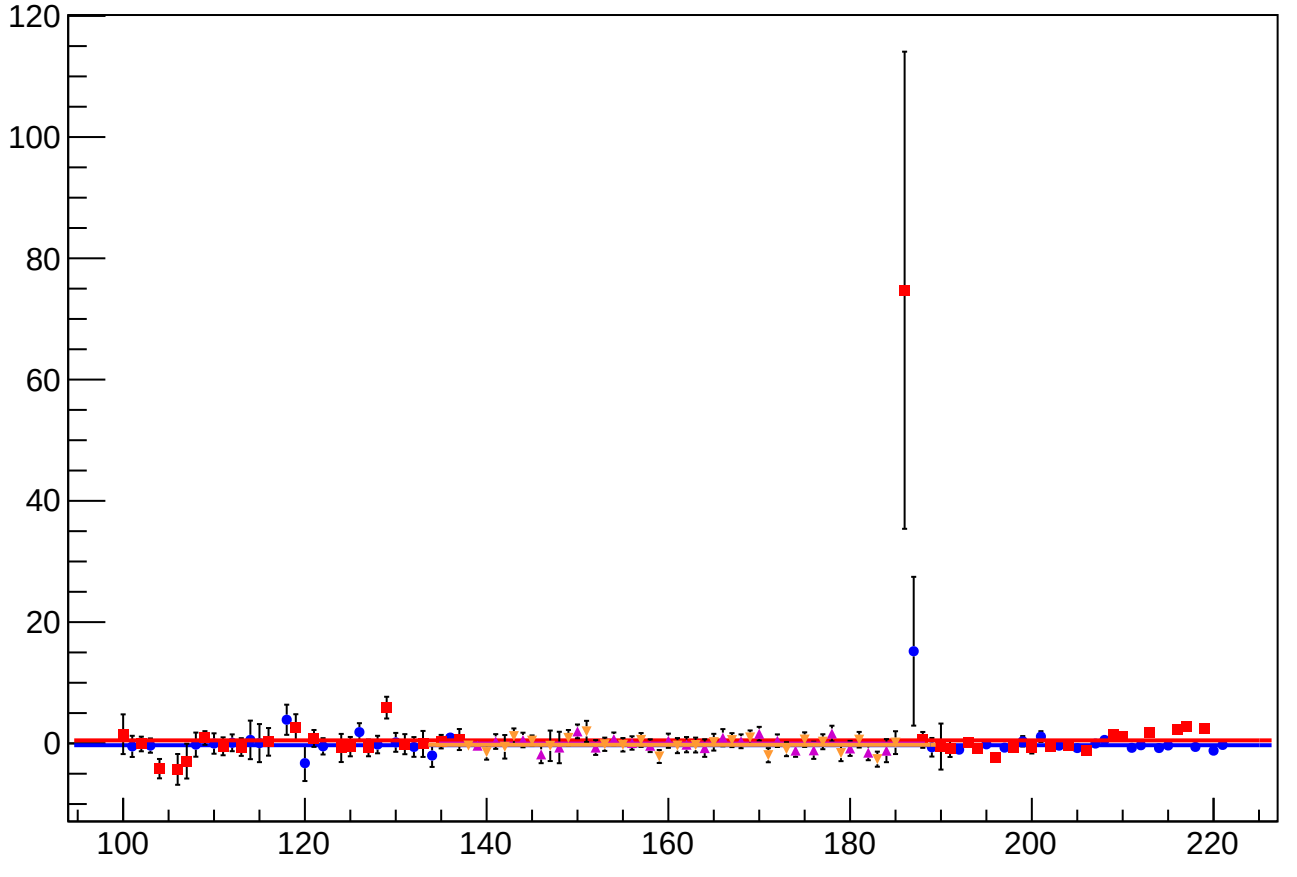
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 8814.452+/-0.975 χ^2/NDF: 4210659.2/70

In: 8981.719+/-1.019 χ^2/NDF:2358407.1/56

Out: 9024.163+/-1.021 χ^2/NDF:2816478.5/61

All: 9002.901+/-0.721 χ^2/NDF: 5175751.0/11



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: 0.499+/-0.163 χ^2/NDF: 102.1/36

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

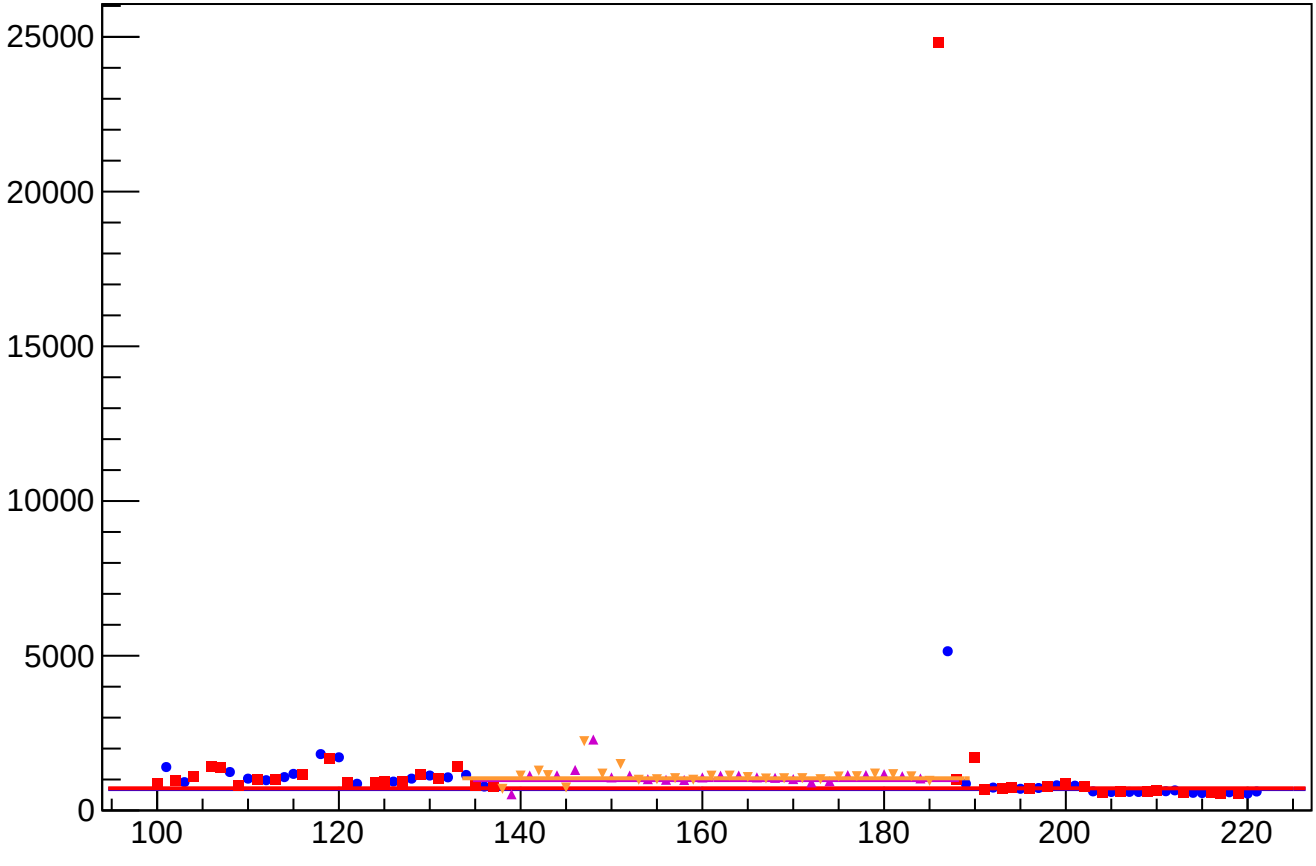
Right: 0.075+/-0.112 χ^2/NDF: 136.4/70

In: -0.220+/-0.129 χ^2/NDF:37.8/56

Out: 0.272+/-0.136 χ^2/NDF:127.2/61

All: 0.014+/-0.094 χ^2/NDF: 171.9/118

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: 715.647+/-0.116 χ^2/NDF: 3393972.1/36

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

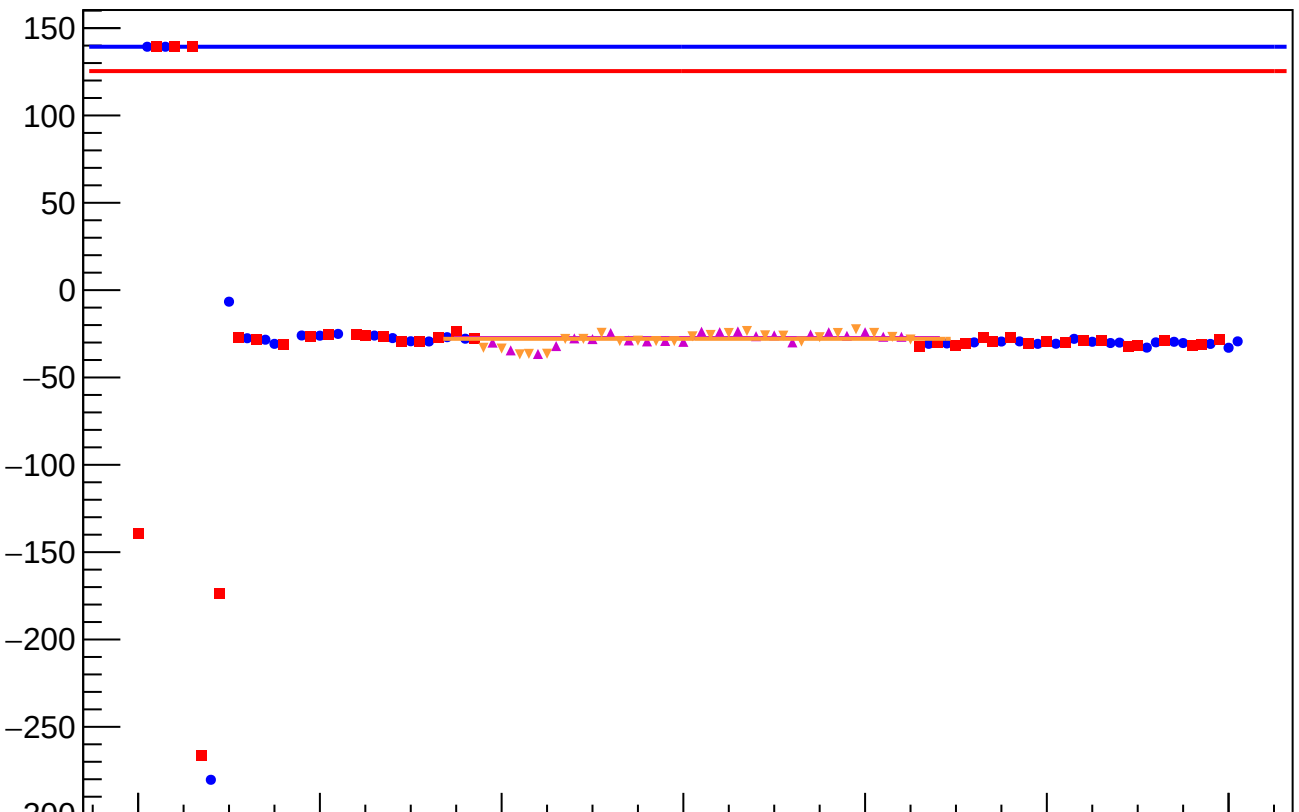
Right: 702.611+/-0.079 χ^2/NDF: 6412141.0/70

In: 776.052+/-0.091 χ^2/NDF:7309674.8/56

Out: 816.281+/-0.096 χ^2/NDF:7172531.3/61

All: 795.194+/-0.066 χ^2/NDF: 14574338.7/1

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: 774194018093061.0/36

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

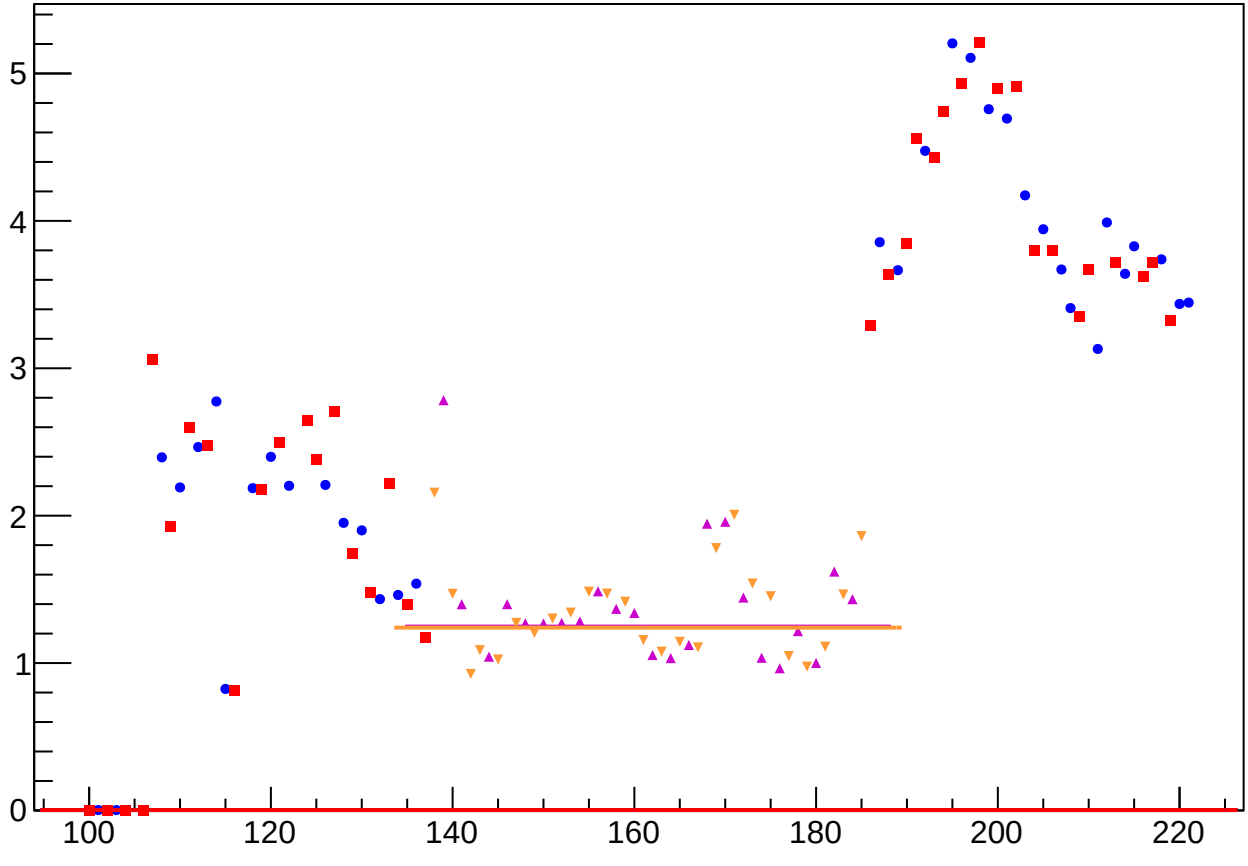
Right: 131.817+/-0.000 χ^2/NDF: 793052501321022

In: 139.327+/-0.000 χ^2/NDF:328680418285.6/56

Out: 125.384+/-0.000 χ^2/NDF:774424705342033.

All: 131.810+/-0.000 χ^2/NDF: 79353491140

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: 36916850.9/36

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

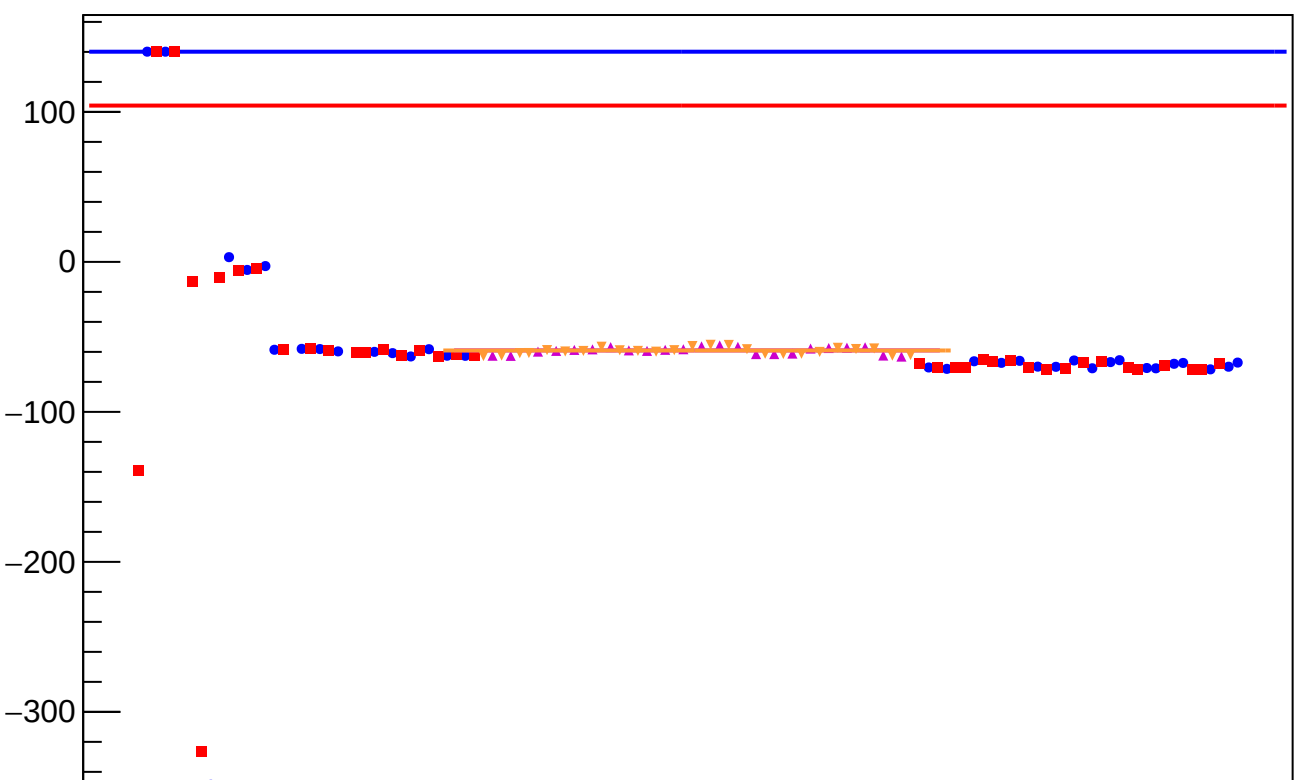
Right: 0.003+/-0.000 χ^2/NDF: 75207764.6/70

In: 0.003+/-0.000 χ^2/NDF:68055515.4/56

Out: 0.003+/-0.000 χ^2/NDF:68216456.3/61

All: 0.003+/-0.000 χ^2/NDF: 136272289.2/118

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: 104.215+/-0.000 χ^2/NDF: 1257717494106069.5/36

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

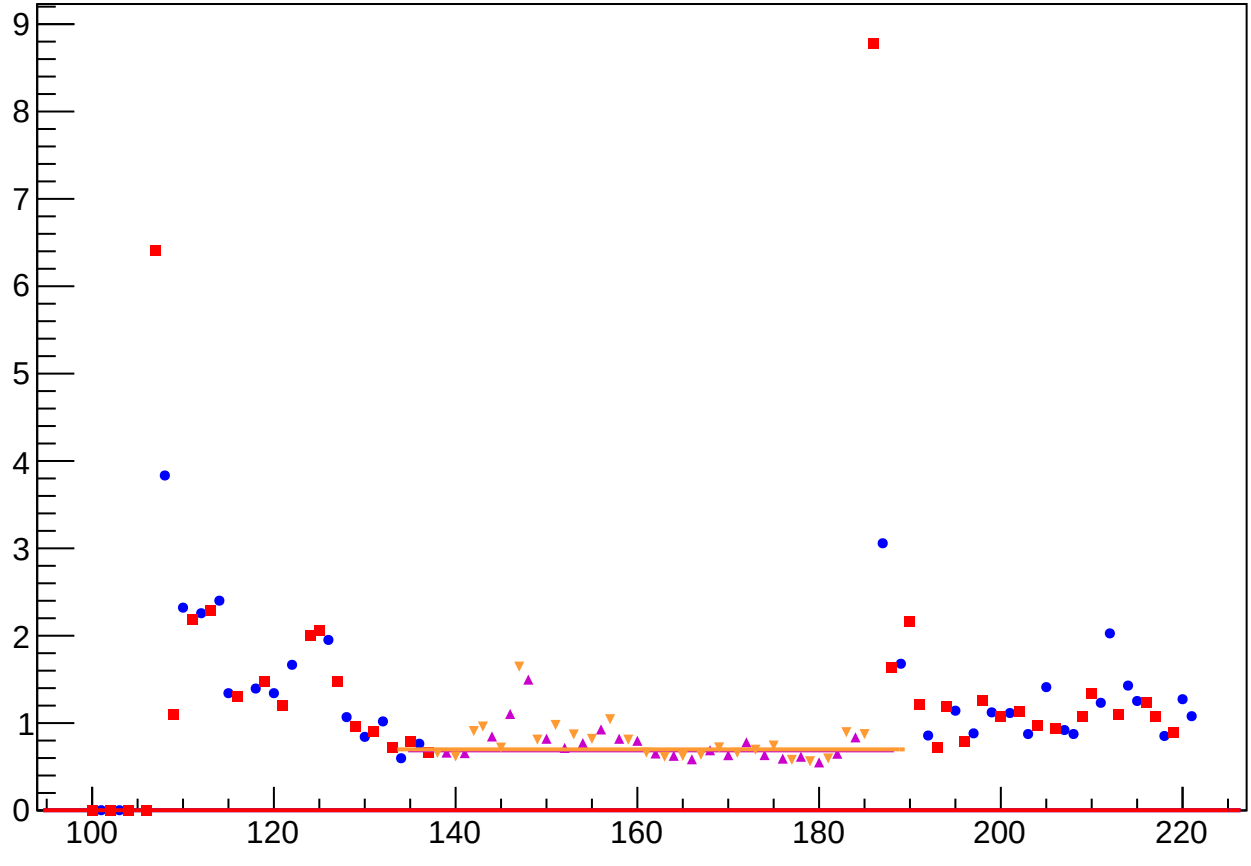
Right: 120.821+/-0.000 χ^2/NDF: 138164702848069

In: 140.095+/-0.000 χ^2/NDF:1914972974255.1/56

Out: 104.190+/-0.000 χ^2/NDF:125858905558343

All: 120.791+/-0.000 χ^2/NDF: 13837449772

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: 34272336.2/36

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

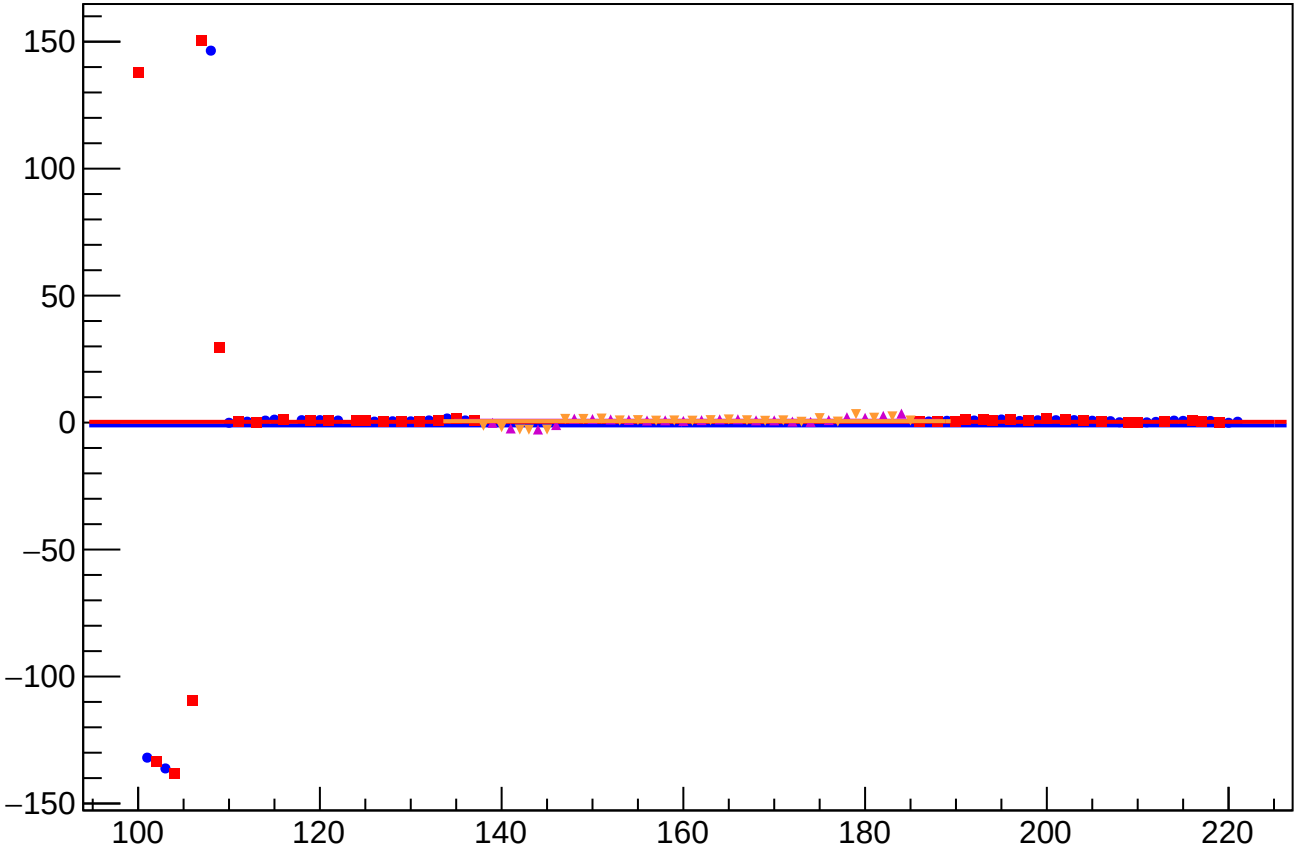
Right: 0.003+/-0.000 χ^2/NDF: 69120746.3/70

In: 0.003+/-0.000 χ^2/NDF:66149551.2/56

Out: 0.003+/-0.000 χ^2/NDF:67325730.9/61

All: 0.003+/-0.000 χ^2/NDF: 133475874.7/118

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: 0.299+/-0.000 χ^2/NDF: 3613096140.1/36

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

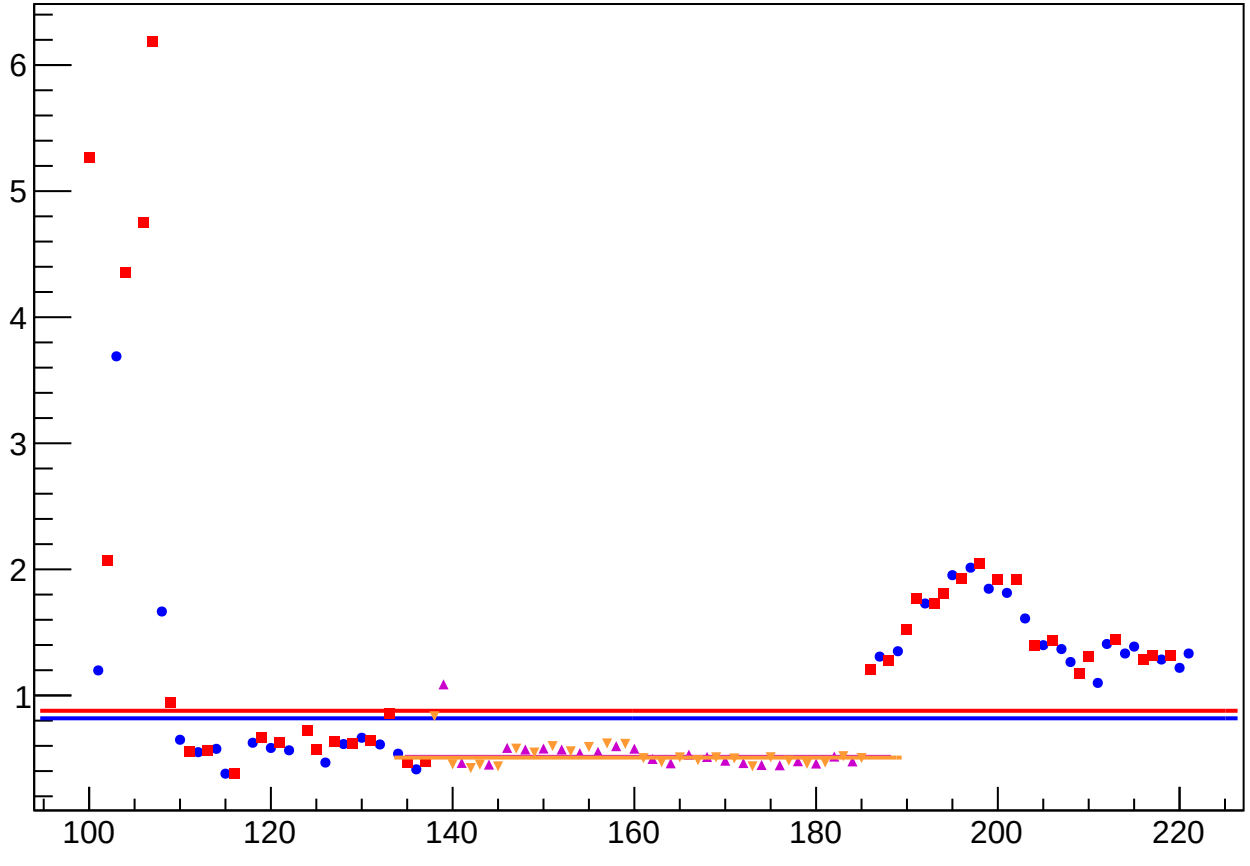
Right: -0.463+/-0.000 χ^2/NDF: 13548847721.7/70

In: 0.194+/-0.000 χ^2/NDF:10075385266.6/56

Out: 0.507+/-0.000 χ^2/NDF:3768594186.7/61

All: 0.352+/-0.000 χ^2/NDF: 13847904658.0/1

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: 0.878+/-0.000 χ^2/NDF: 9366162.3/36

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

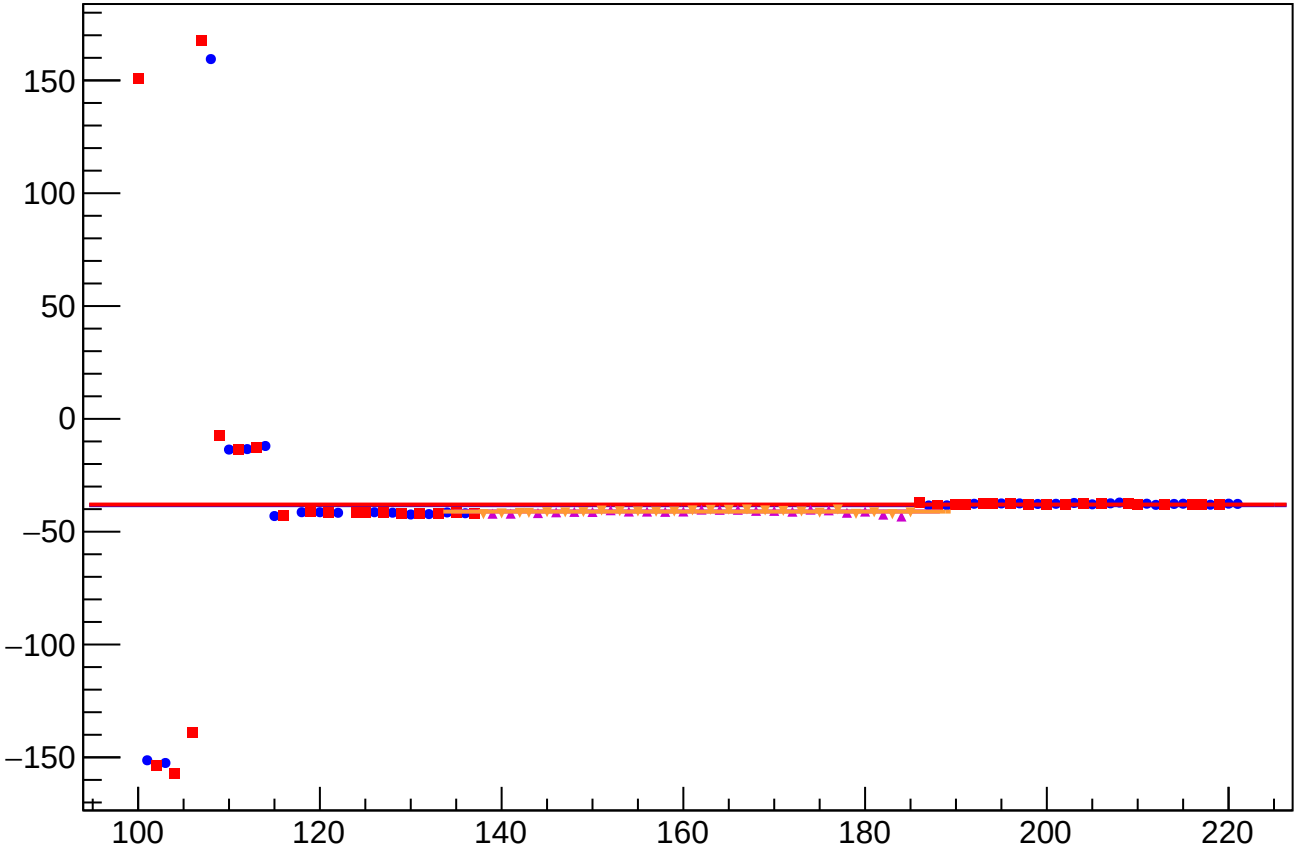
Right: 0.846+/-0.000 χ^2/NDF: 18936049.5/70

In: 0.602+/-0.000 χ^2/NDF:13308875.4/56

Out: 0.598+/-0.000 χ^2/NDF:14015974.9/61

All: 0.600+/-0.000 χ^2/NDF: 27326497.0/118

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.241+/-0.000 χ^2/NDF: 3626765476.5/33

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.978+/-0.000 χ^2/NDF: 2514614432.7/36

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

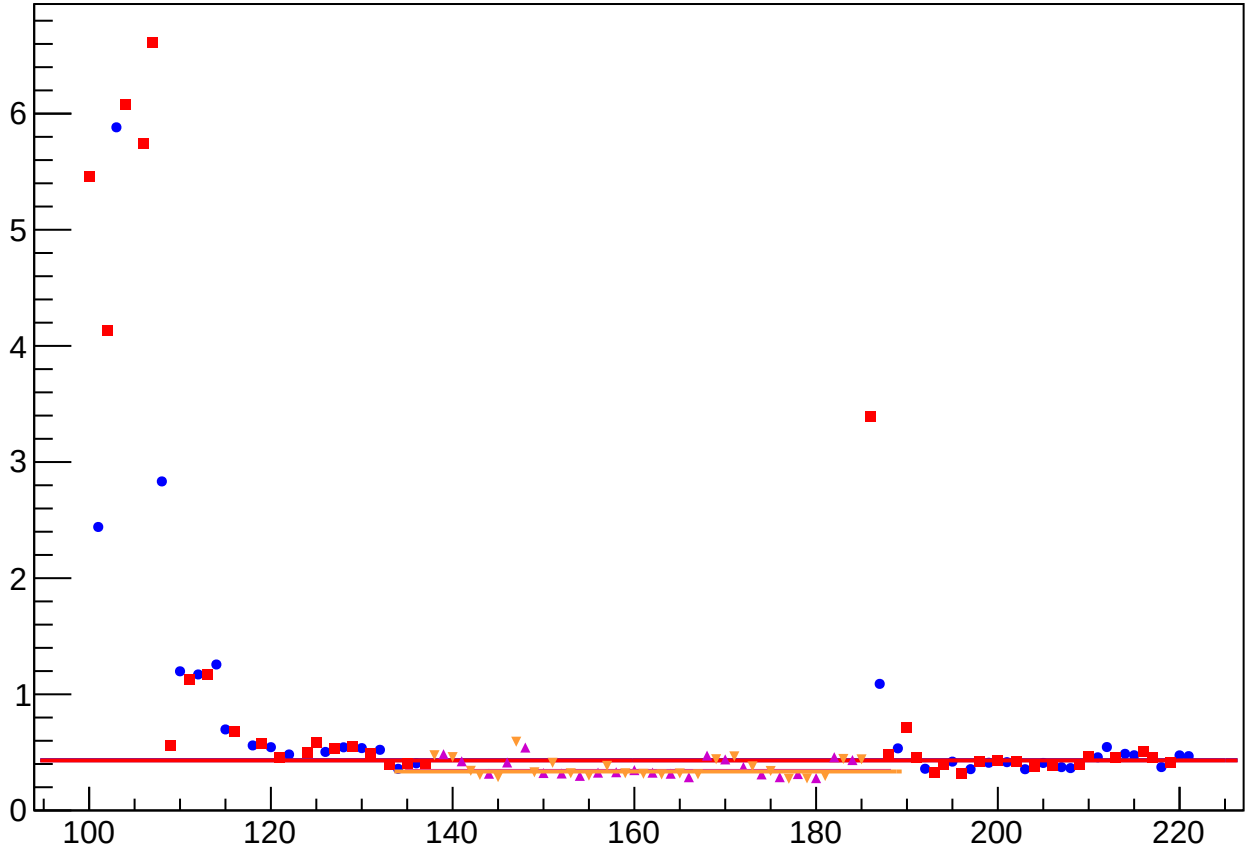
Right: -38.112+/-0.000 χ^2/NDF: 6144719216.6/70

In: -39.902+/-0.000 χ^2/NDF:4134137628.4/56

Out: -39.926+/-0.000 χ^2/NDF:3146736245.1/61

All: -39.914+/-0.000 χ^2/NDF: 7280944382.5/

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: 0.431+/-0.000 χ^2/NDF: 4747529.2/36

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

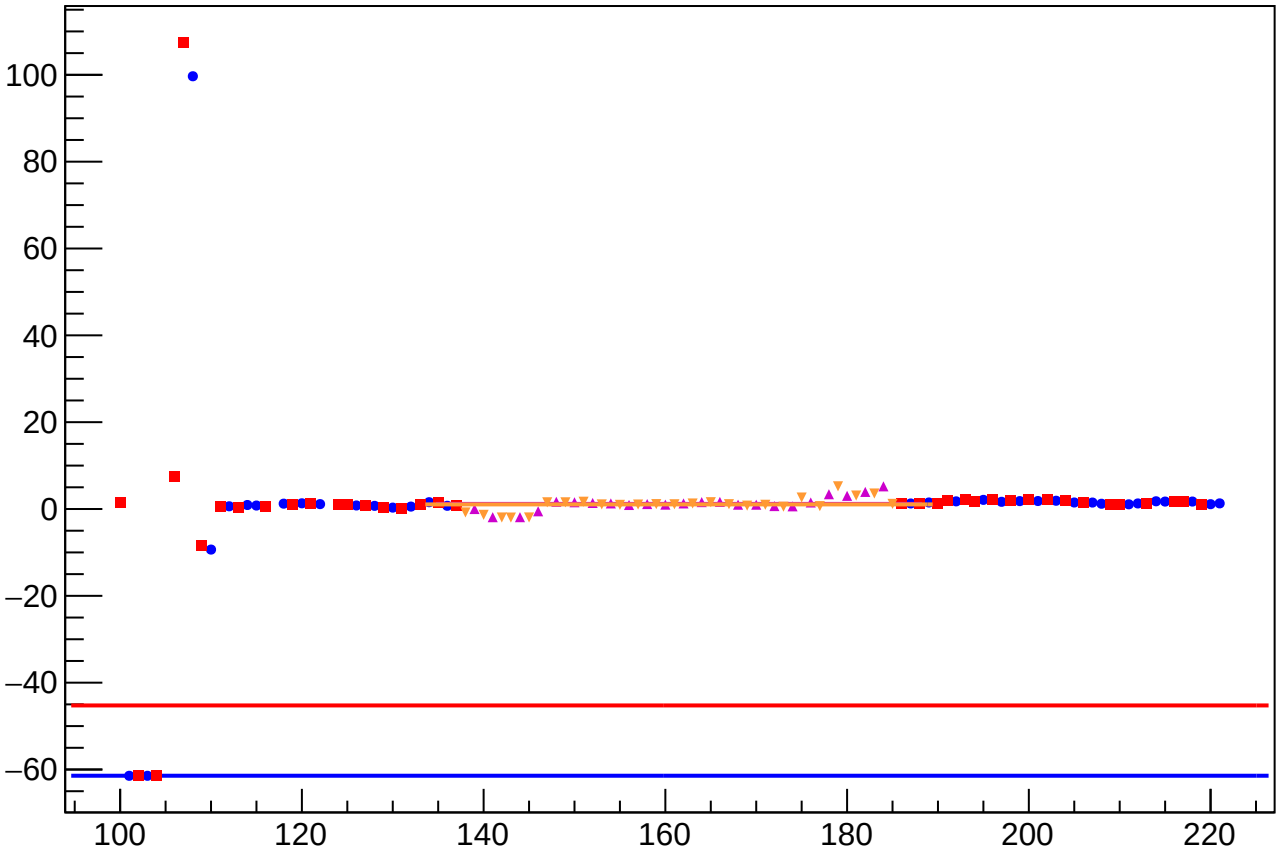
Right: 0.432+/-0.000 χ^2/NDF: 8667503.7/70

In: 0.378+/-0.000 χ^2/NDF:5991200.7/56

Out: 0.371+/-0.000 χ^2/NDF:7054578.6/61

All: 0.374+/-0.000 χ^2/NDF: 13055851.5/118

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: 357888862928465.4/36

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

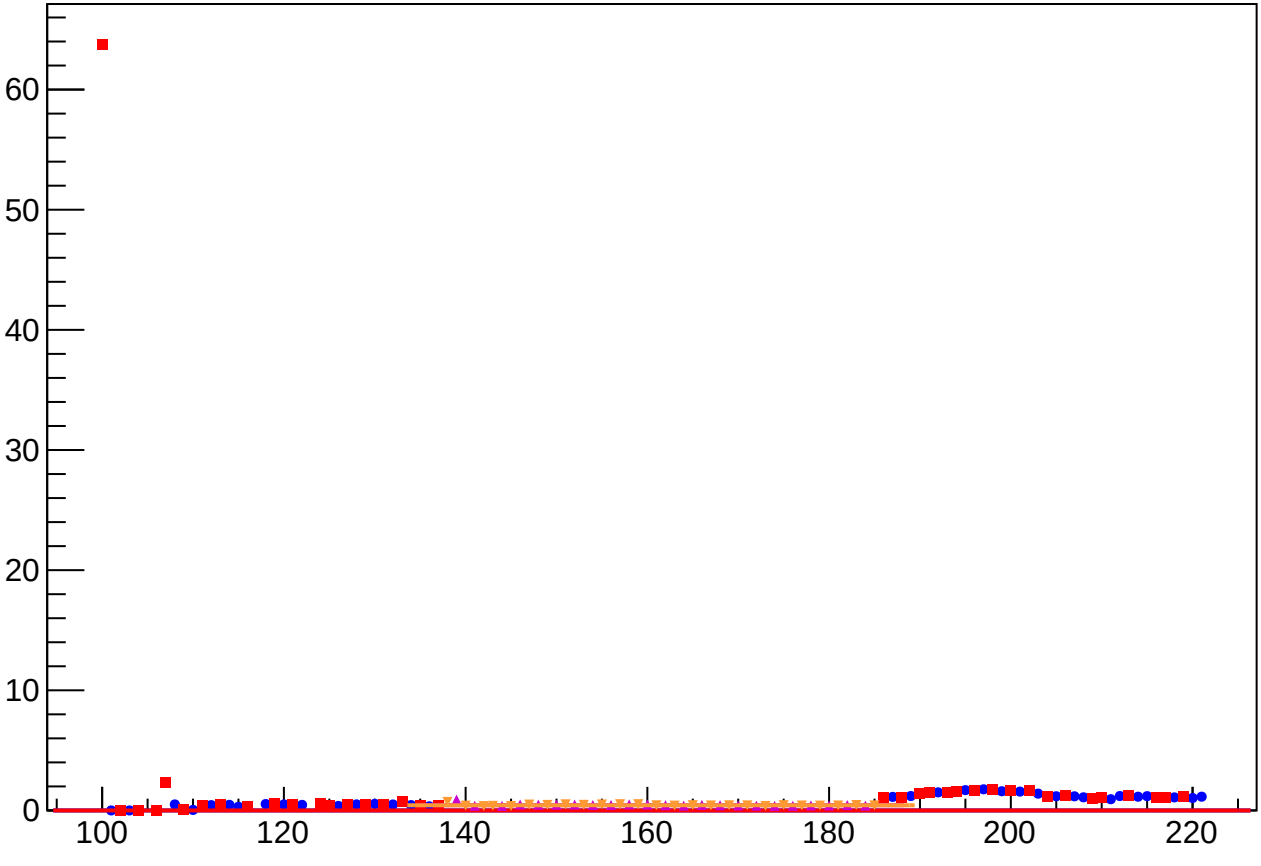
Right: -52.748+/-0.000 χ^2/NDF: 409174820288379

In: -61.421+/-0.000 χ^2/NDF:613956734501.3/56

Out: -45.235+/-0.000 χ^2/NDF:358070139884560.

All: -52.737+/-0.000 χ^2/NDF: 409644215485

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: 36549759.5/36

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

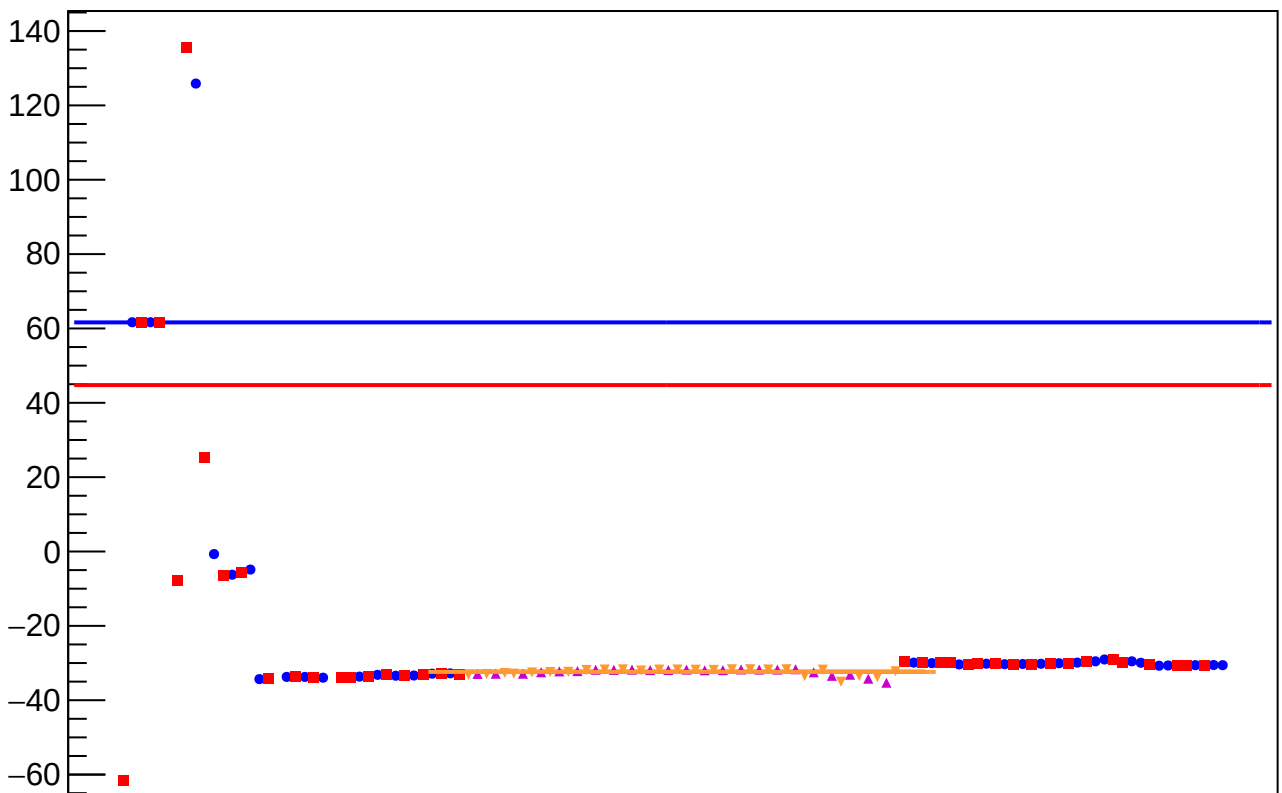
Right: 0.001+/-0.000 χ^2/NDF: 74424256.3/70

In: 0.002+/-0.000 χ^2/NDF:68012345.8/56

Out: 0.002+/-0.000 χ^2/NDF:68313201.1/61

All: 0.002+/-0.000 χ^2/NDF: 136325639.6/118

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: 44.765+/-0.000 χ^2/NDF: 3666786537197 65.6/36

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

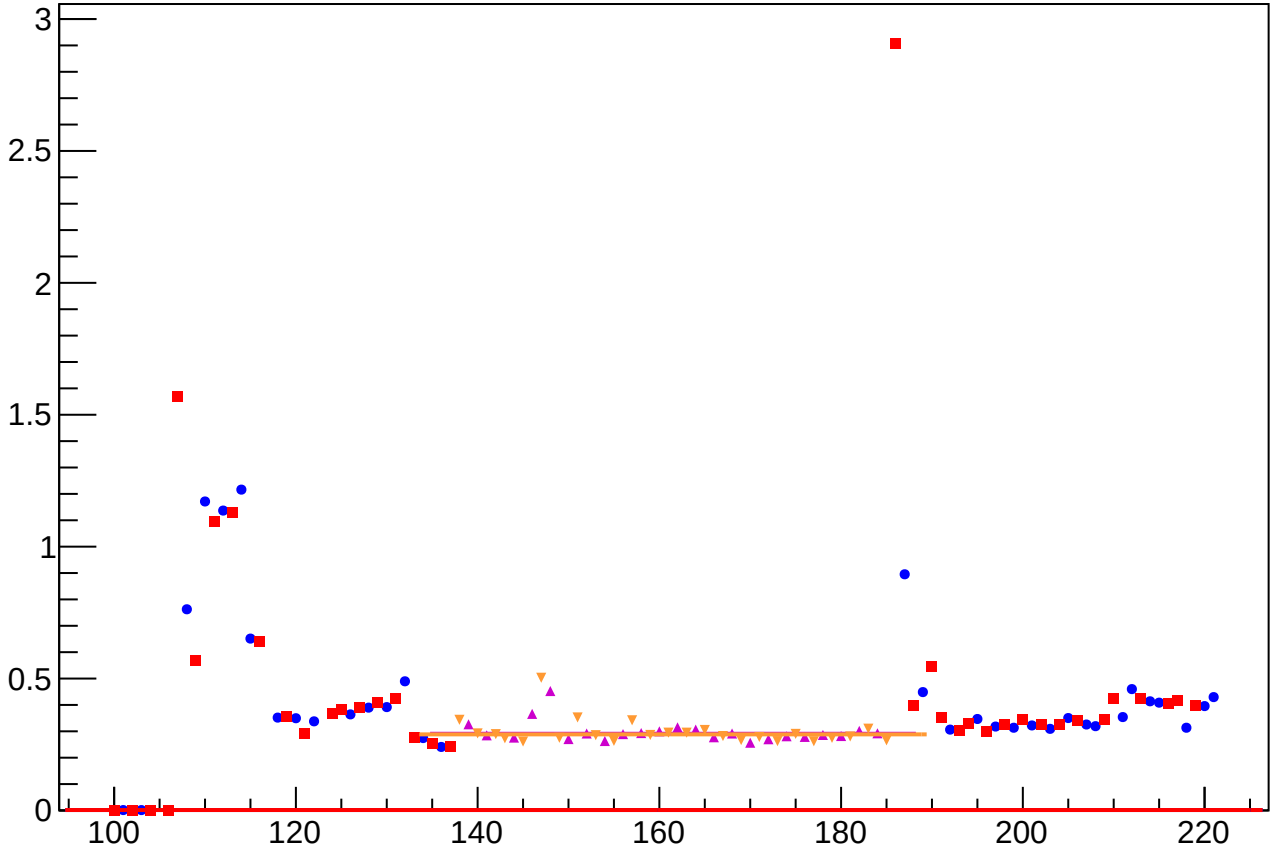
Right: 52.663+/-0.000 χ^2/NDF: 419066833632167.9

In: 61.573+/-0.000 χ^2/NDF:3156649181278.1/56

Out: 44.721+/-0.000 χ^2/NDF:367996553424999.5

All: 52.613+/-0.000 χ^2/NDF: 4221597187872

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: 37374606.6/36

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

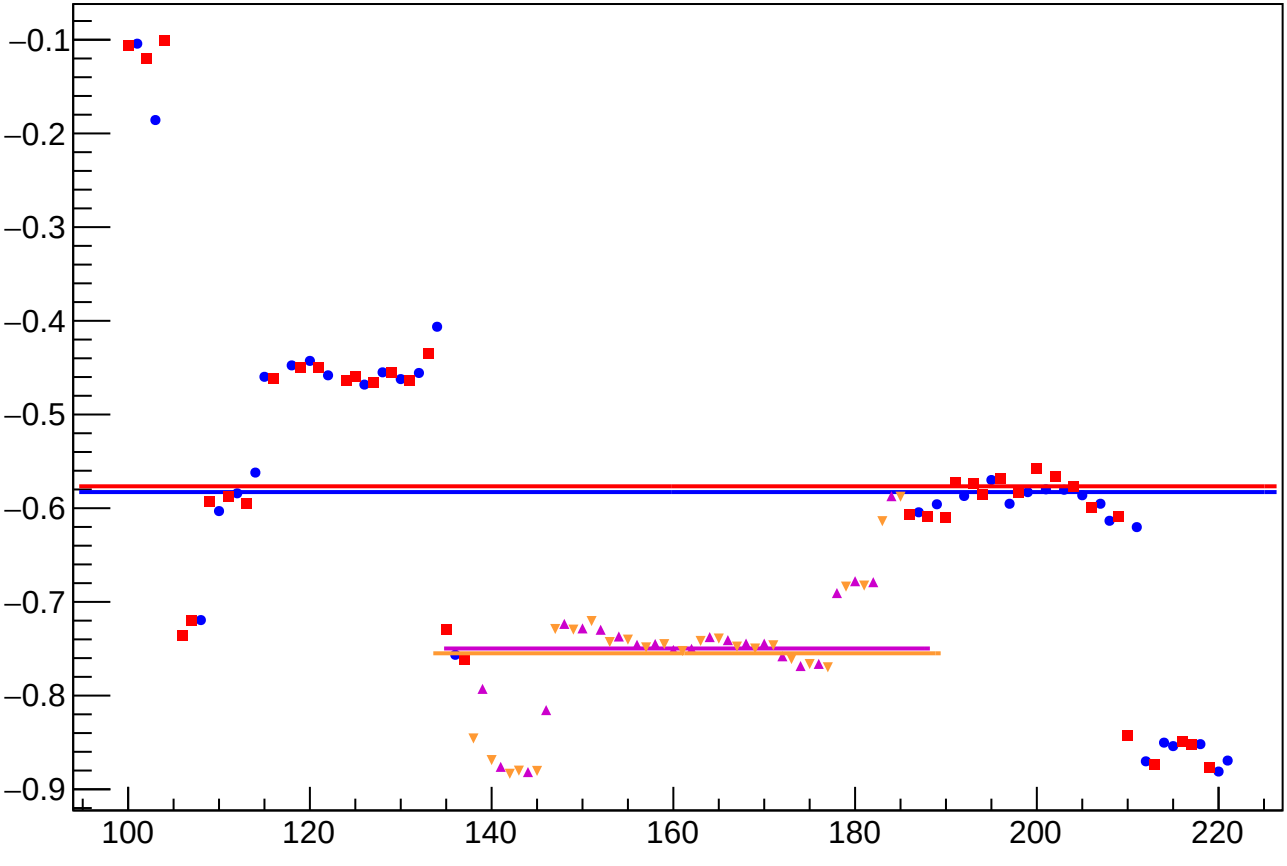
Right: 0.002+/-0.000 χ^2/NDF: 76506455.1/70

In: 0.002+/-0.000 χ^2/NDF:74014154.1/56

Out: 0.002+/-0.000 χ^2/NDF:74311729.6/61

All: 0.002+/-0.000 χ^2/NDF: 148325955.8/118

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: -0.577+/-0.000 χ^2/NDF: 349705133.9/36

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

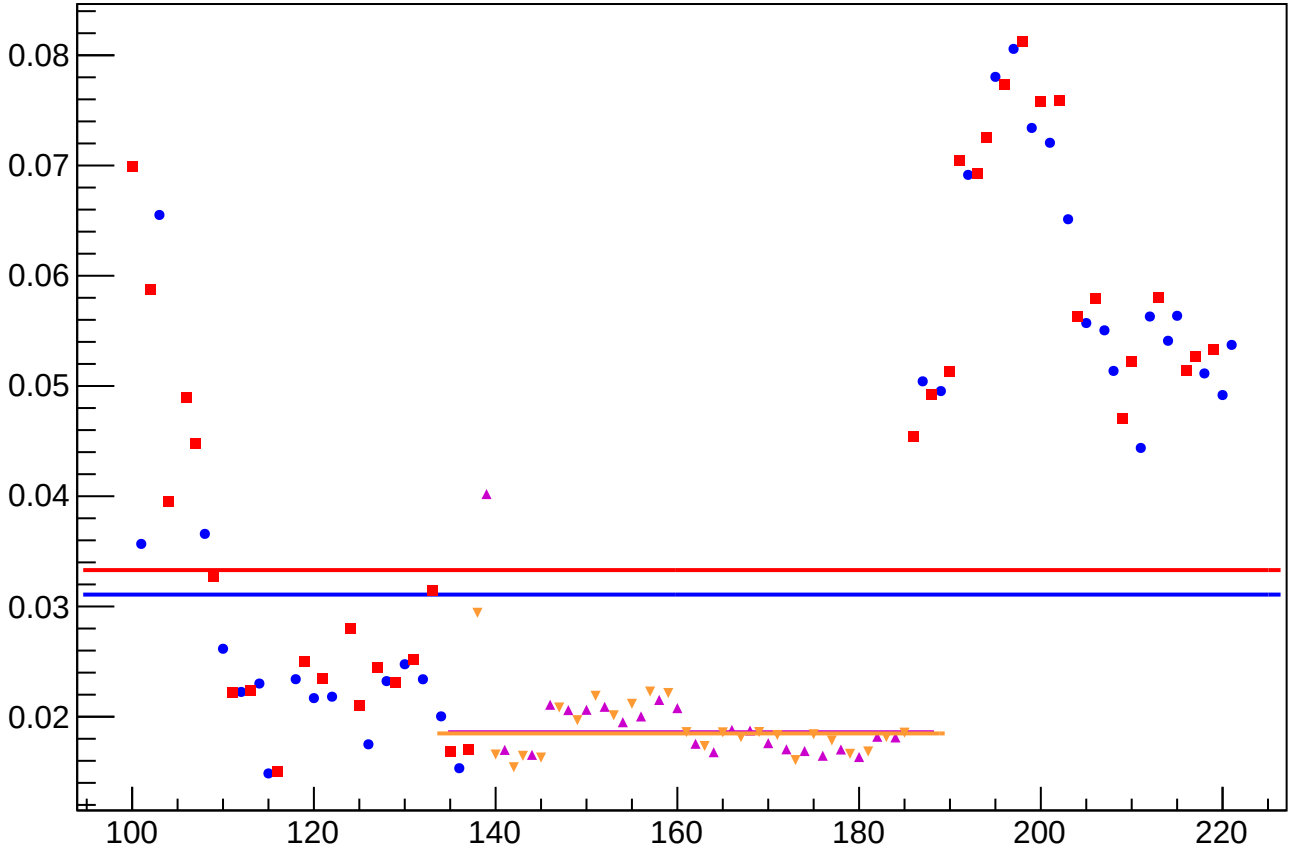
Right: -0.580+/-0.000 χ^2/NDF: 825224904.7/70

In: -0.704+/-0.000 χ^2/NDF:939998904.5/56

Out: -0.713+/-0.000 χ^2/NDF:902477165.0/61

All: -0.709+/-0.000 χ^2/NDF: 1844925227.3/1

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: 0.033+/-0.000 χ^2/NDF: 8695717.9/36

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

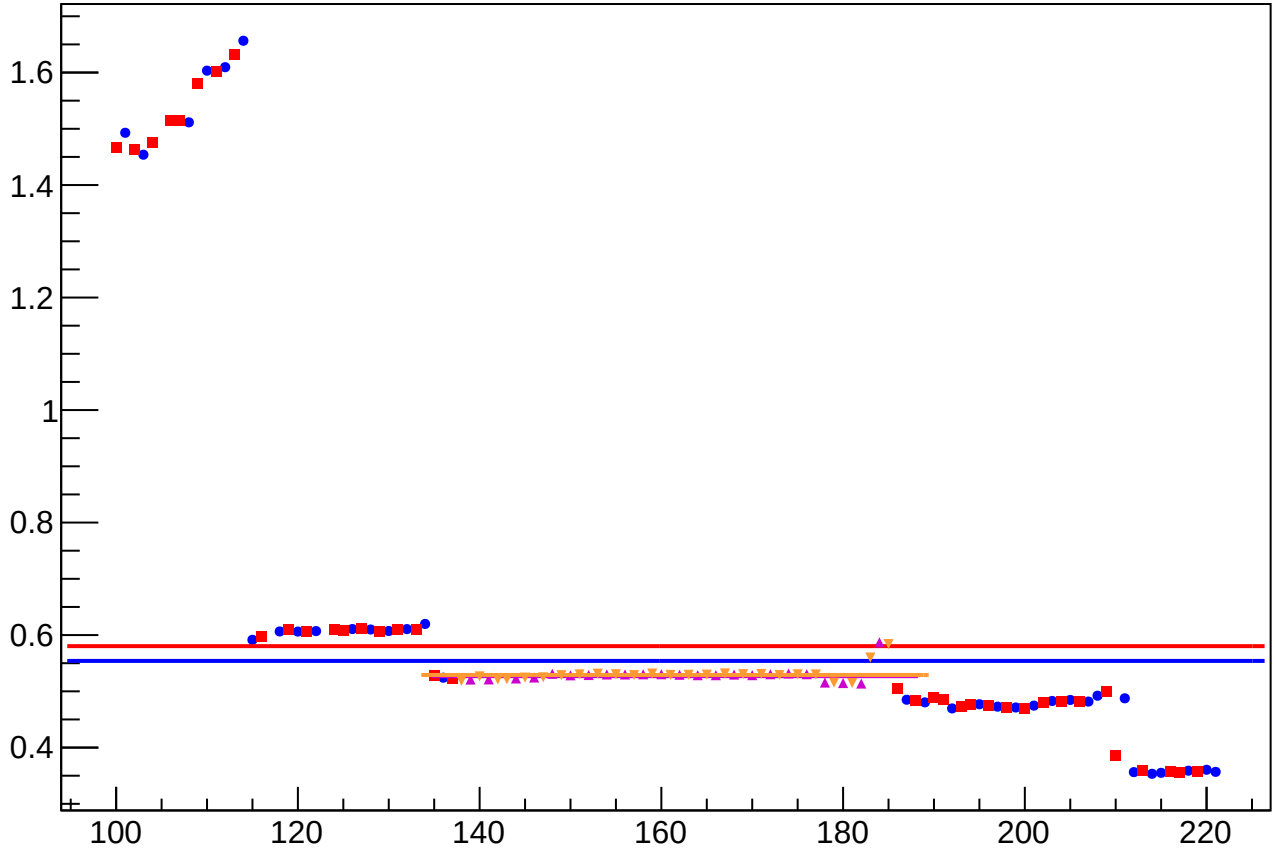
Right: 0.032+/-0.000 χ^2/NDF: 18531172.7/70

In: 0.022+/-0.000 χ^2/NDF:14124221.5/56

Out: 0.022+/-0.000 χ^2/NDF:13886596.9/61

All: 0.022+/-0.000 χ^2/NDF: 28011014.6/118

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: 0.580+/-0.000 χ^2/NDF: 7341846493.3/36

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

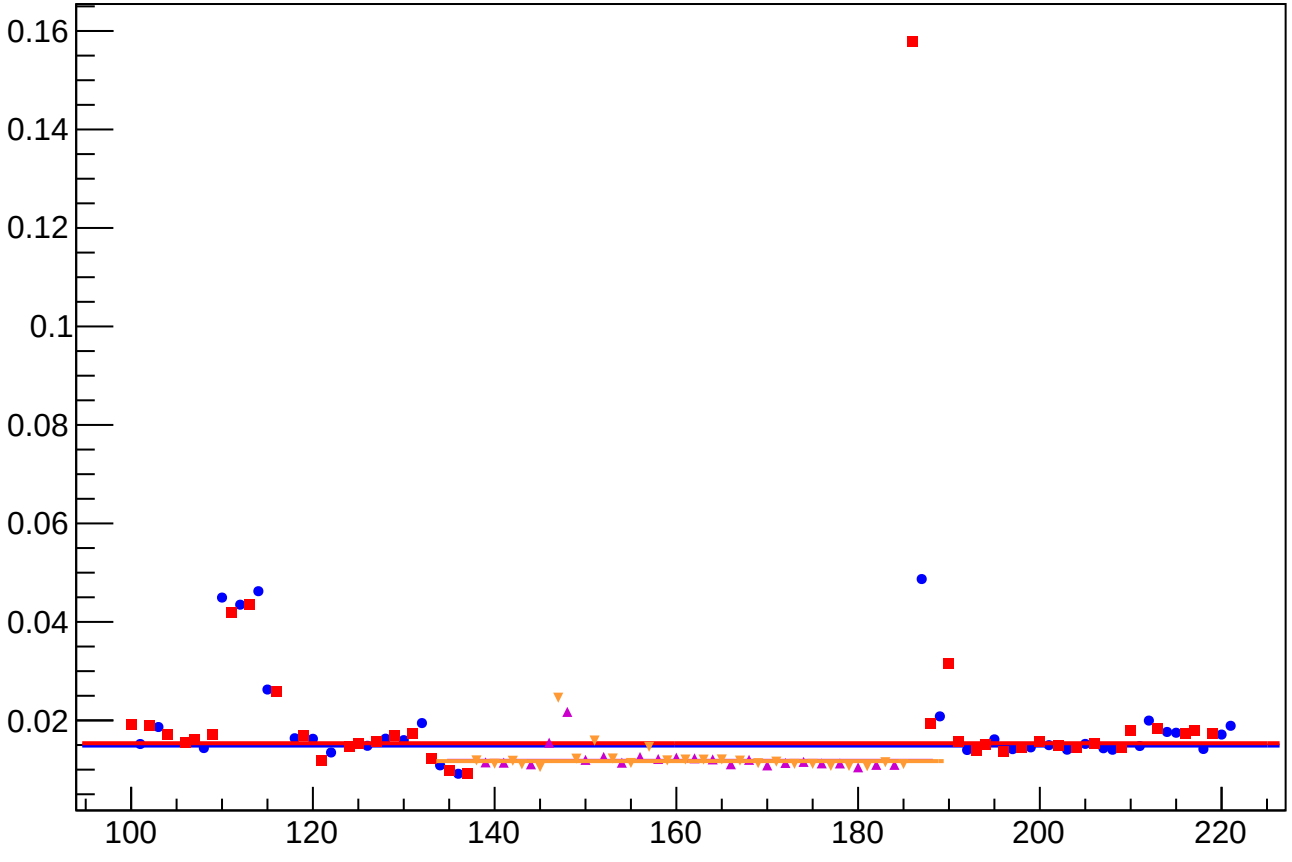
Right: 0.567+/-0.000 χ^2/NDF: 13900269356.9/70

In: 0.538+/-0.000 χ^2/NDF:6580445984.5/56

Out: 0.548+/-0.000 χ^2/NDF:7491239332.8/61

All: 0.543+/-0.000 χ^2/NDF: 14082863058.0/1

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: 2569878.3/36

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

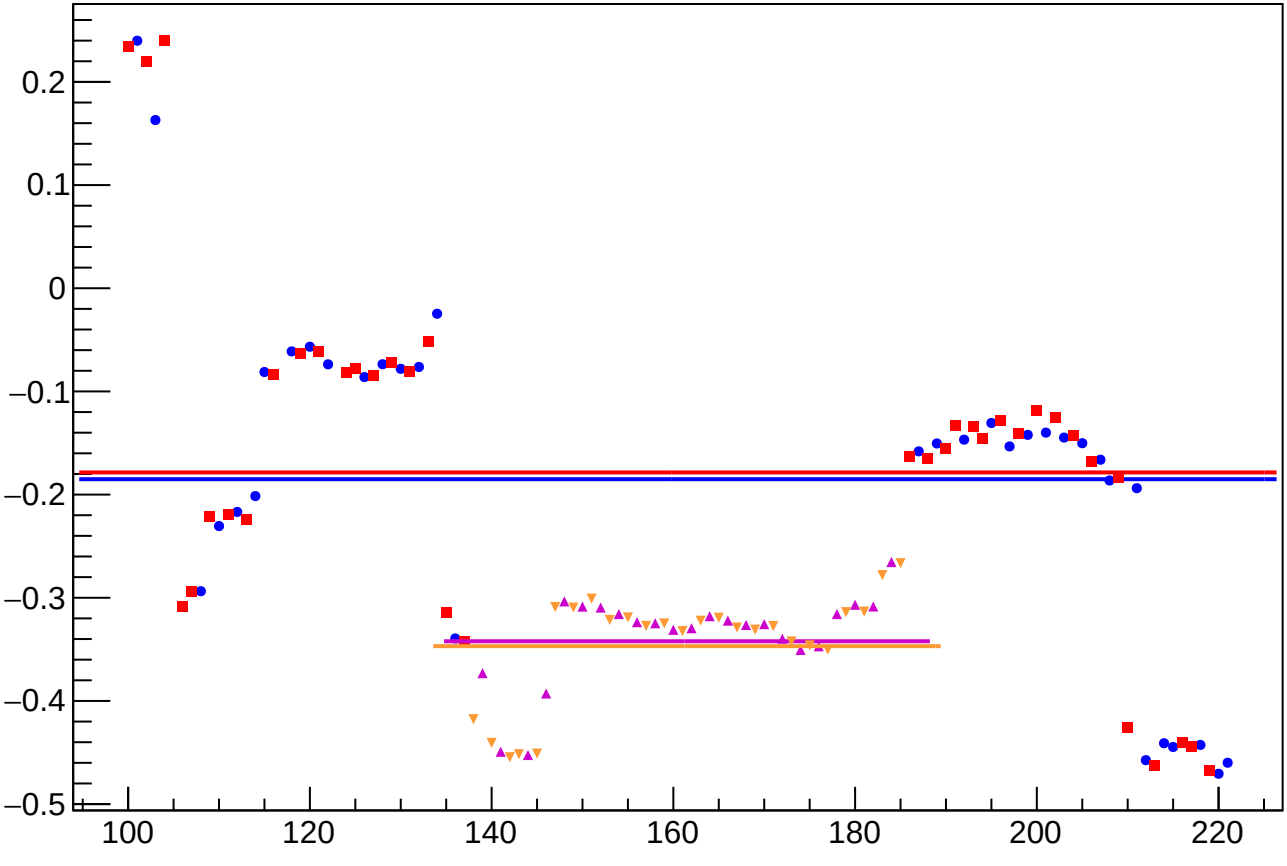
Right: 0.015+/-0.000 χ^2/NDF: 4912947.3/70

In: 0.013+/-0.000 χ^2/NDF:3848174.9/56

Out: 0.013+/-0.000 χ^2/NDF:4607360.6/61

All: 0.013+/-0.000 χ^2/NDF: 8455715.1/118

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: -0.179+/-0.000 χ^2/NDF: 334157622.3/36

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

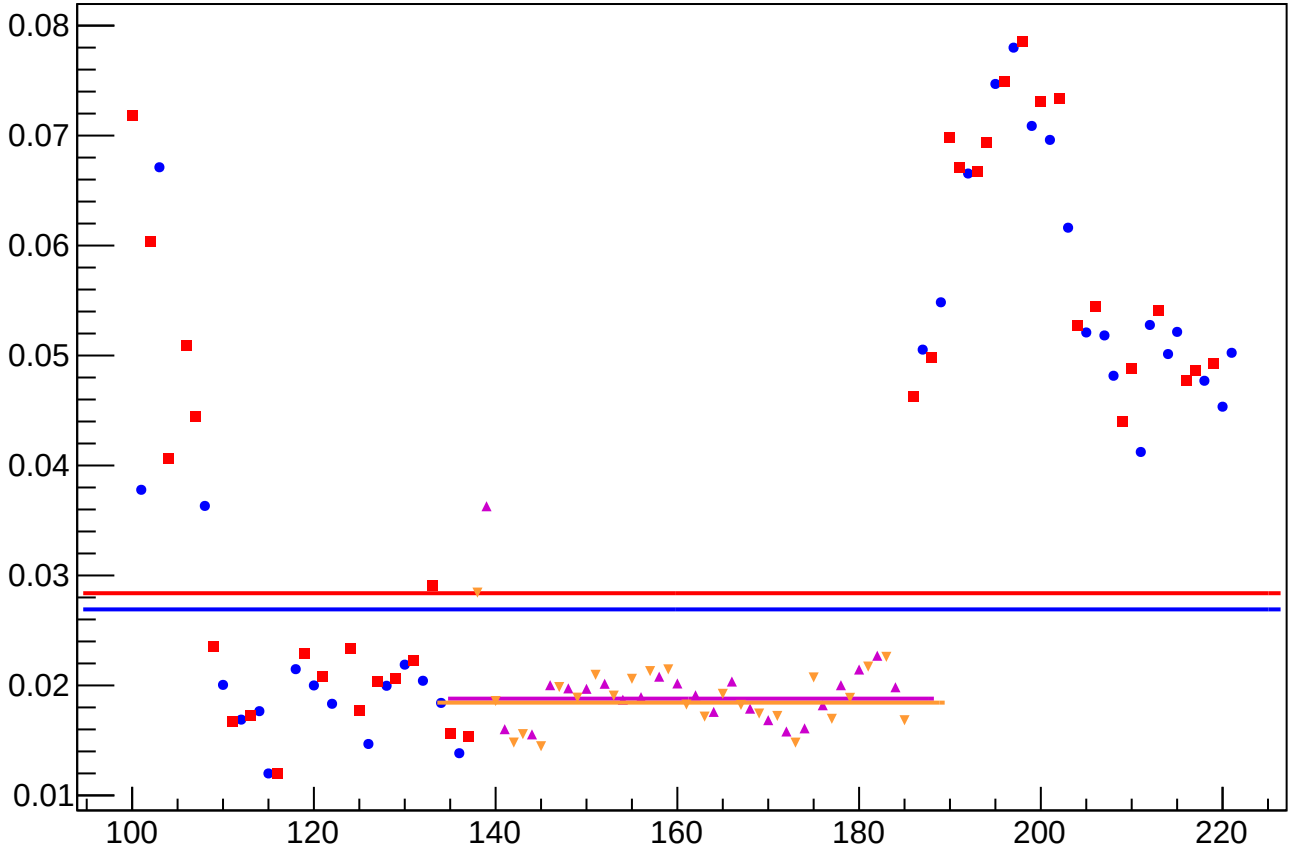
Right: -0.182+/-0.000 χ^2/NDF: 786194074.1/70

In: -0.291+/-0.000 χ^2/NDF:878825705.6/56

Out: -0.300+/-0.000 χ^2/NDF:829118188.1/61

All: -0.296+/-0.000 χ^2/NDF: 1710285739.0/1

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: 0.028+/-0.000 χ^2/NDF: 10608582.8/36

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

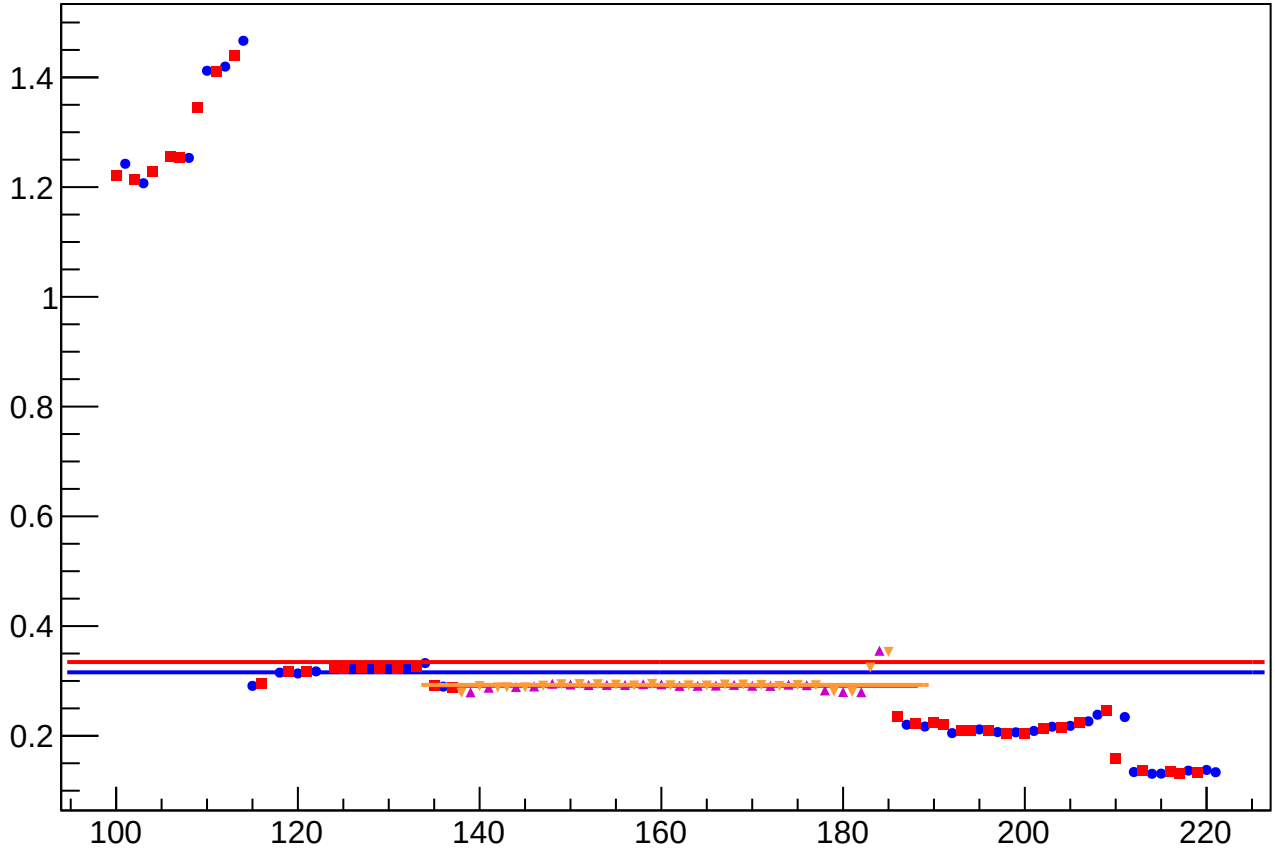
Right: 0.028+/-0.000 χ^2/NDF: 21932707.2/70

In: 0.021+/-0.000 χ^2/NDF:13811156.4/56

Out: 0.021+/-0.000 χ^2/NDF:13826067.6/61

All: 0.021+/-0.000 χ^2/NDF: 27640079.5/118

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: 0.334+/-0.000 χ^2/NDF: 9939991228.1/36

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

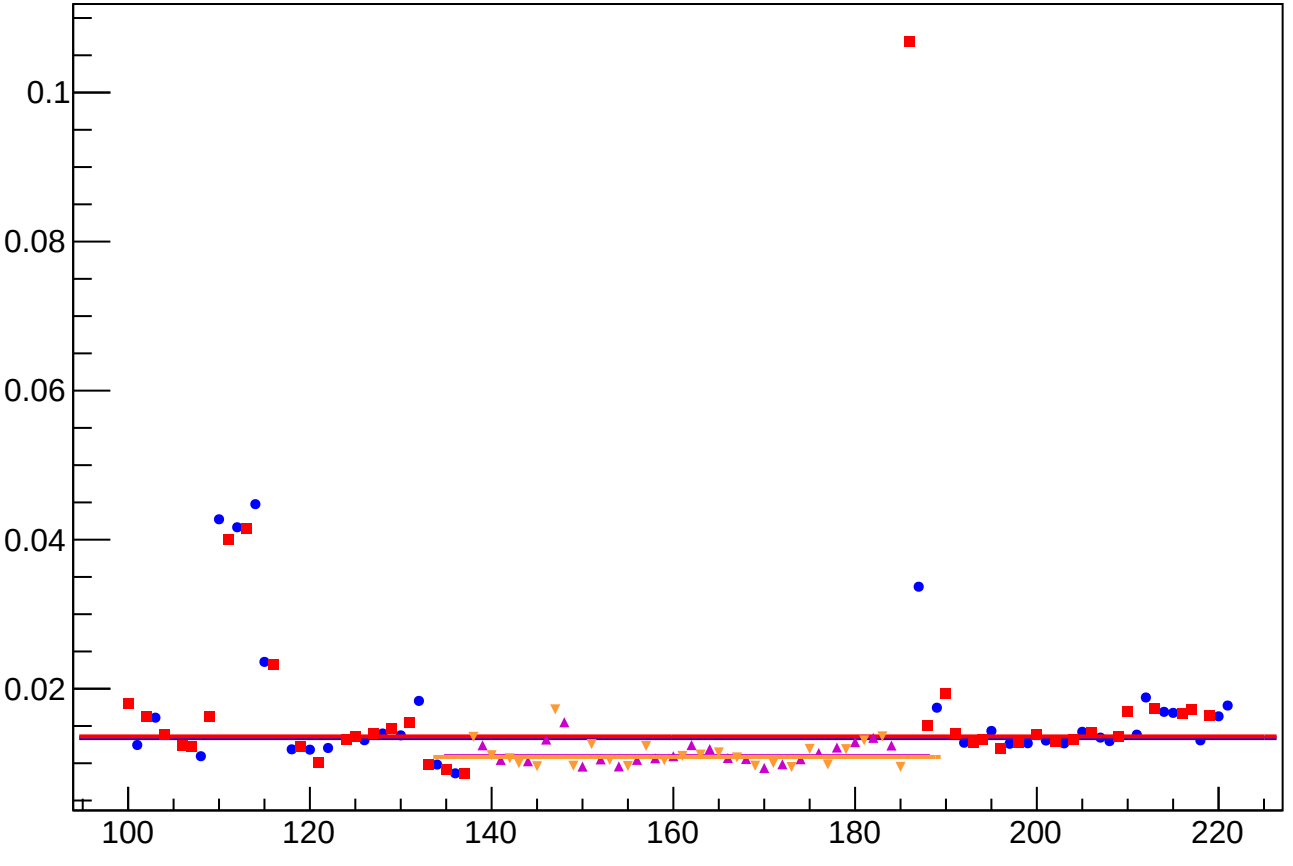
Right: 0.325+/-0.000 χ^2/NDF: 19129396695.6/70

In: 0.302+/-0.000 χ^2/NDF:9218683855.2/56

Out: 0.309+/-0.000 χ^2/NDF:10064672271.0/61

All: 0.306+/-0.000 χ^2/NDF: 19290814603.3/1

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: 2553953.6/36

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

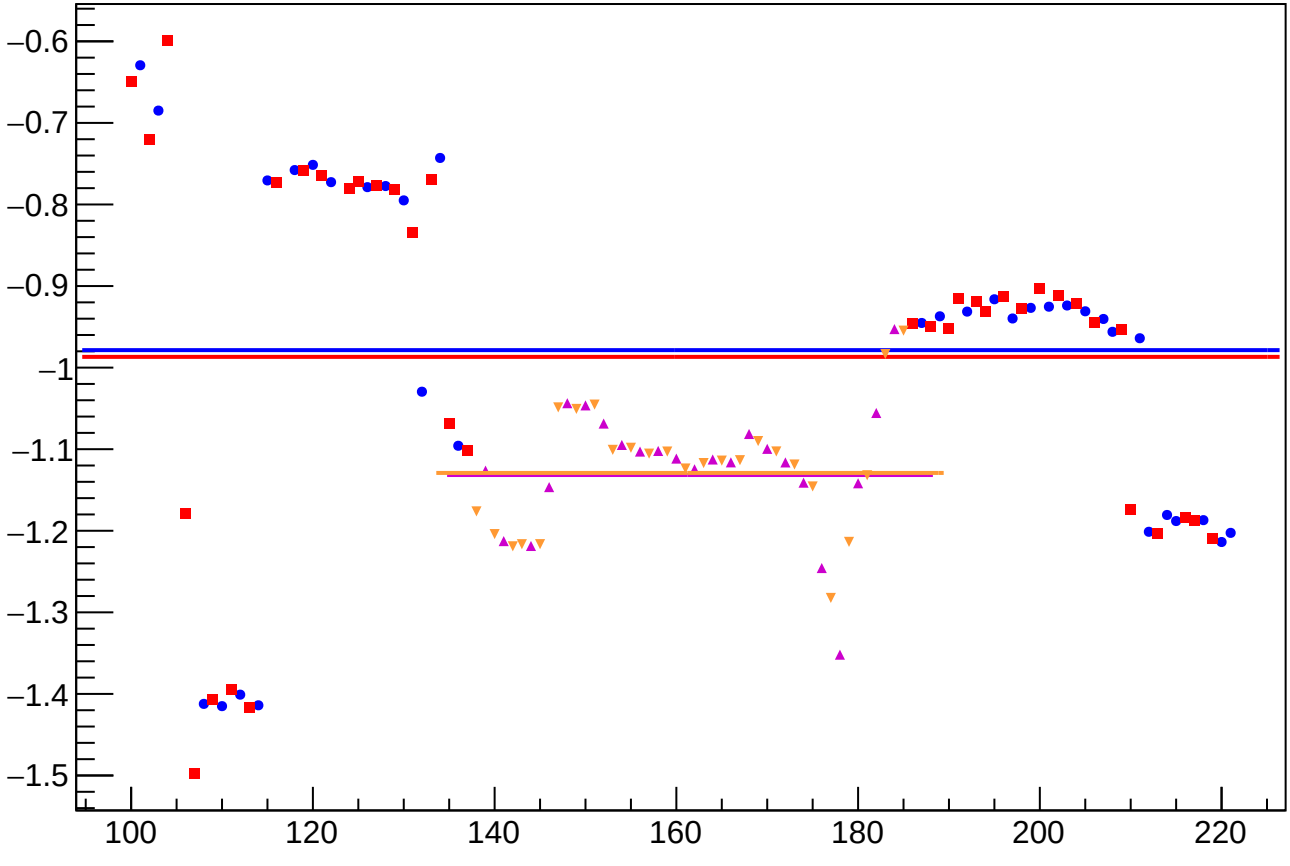
Right: 0.013+/-0.000 χ^2/NDF: 4887850.6/70

In: 0.012+/-0.000 χ^2/NDF:3571077.6/56

Out: 0.012+/-0.000 χ^2/NDF:4151481.1/61

All: 0.012+/-0.000 χ^2/NDF: 7723449.0/118

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: -0.987+/-0.000 χ^2/NDF: 788909281.1/36

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

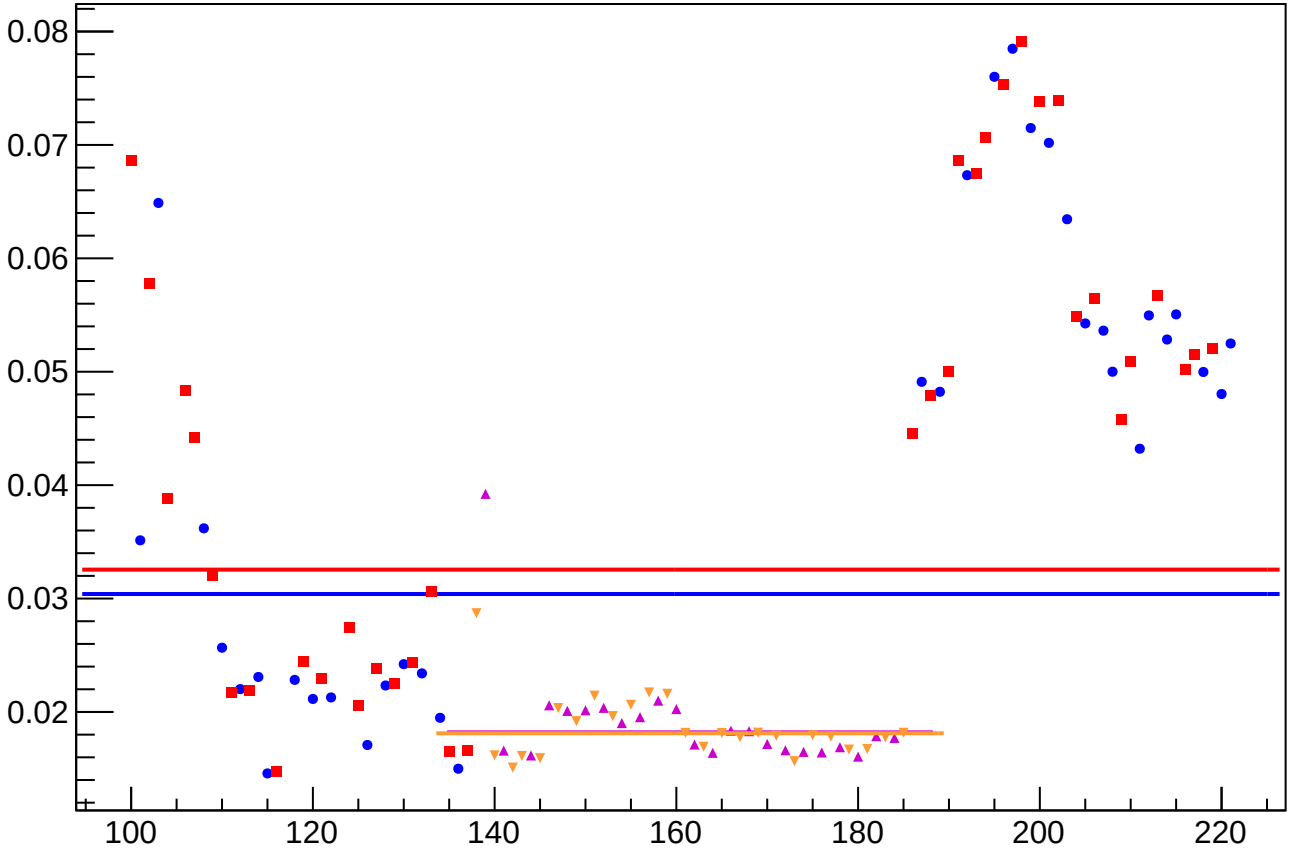
Right: -0.982+/-0.000 χ^2/NDF: 1594715167.0/70

In: -1.090+/-0.000 χ^2/NDF:1350250303.3/56

Out: -1.096+/-0.000 χ^2/NDF:1253493044.6/61

All: -1.093+/-0.000 χ^2/NDF: 2604829494.2/1

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: 8666315.4/36

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

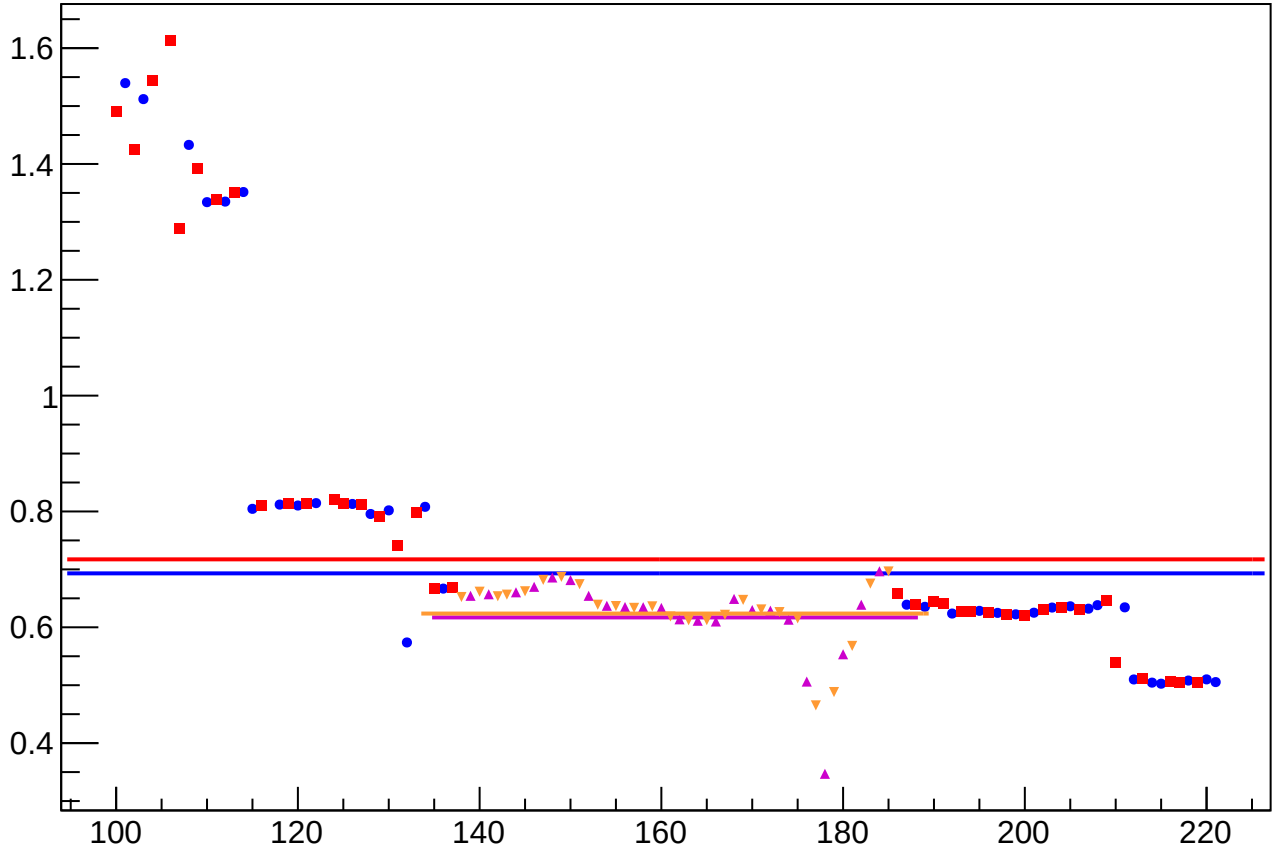
Right: 0.031+/-0.000 χ^2/NDF: 18467454.7/70

In: 0.022+/-0.000 χ^2/NDF:14070671.0/56

Out: 0.022+/-0.000 χ^2/NDF:13799784.4/61

All: 0.022+/-0.000 χ^2/NDF: 27870512.5/118

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: 0.717+/-0.000 χ^2/NDF: 4875816375.8/36

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

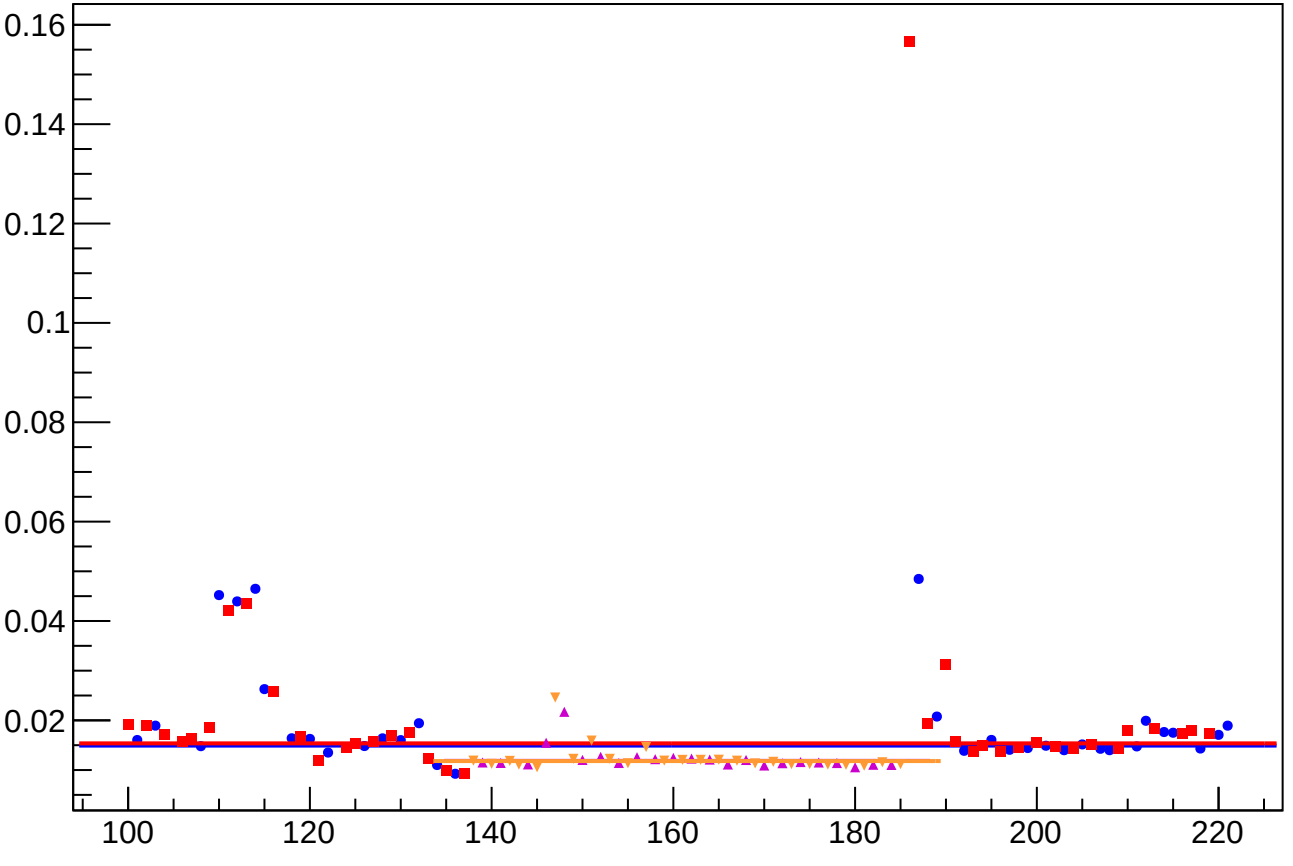
Right: 0.705+/-0.000 χ^2/NDF: 9553983599.3/70

In: 0.649+/-0.000 χ^2/NDF:5600444384.5/56

Out: 0.659+/-0.000 χ^2/NDF:5717343800.0/61

All: 0.654+/-0.000 χ^2/NDF: 11329811909.1/1

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: 2575789.7/36

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

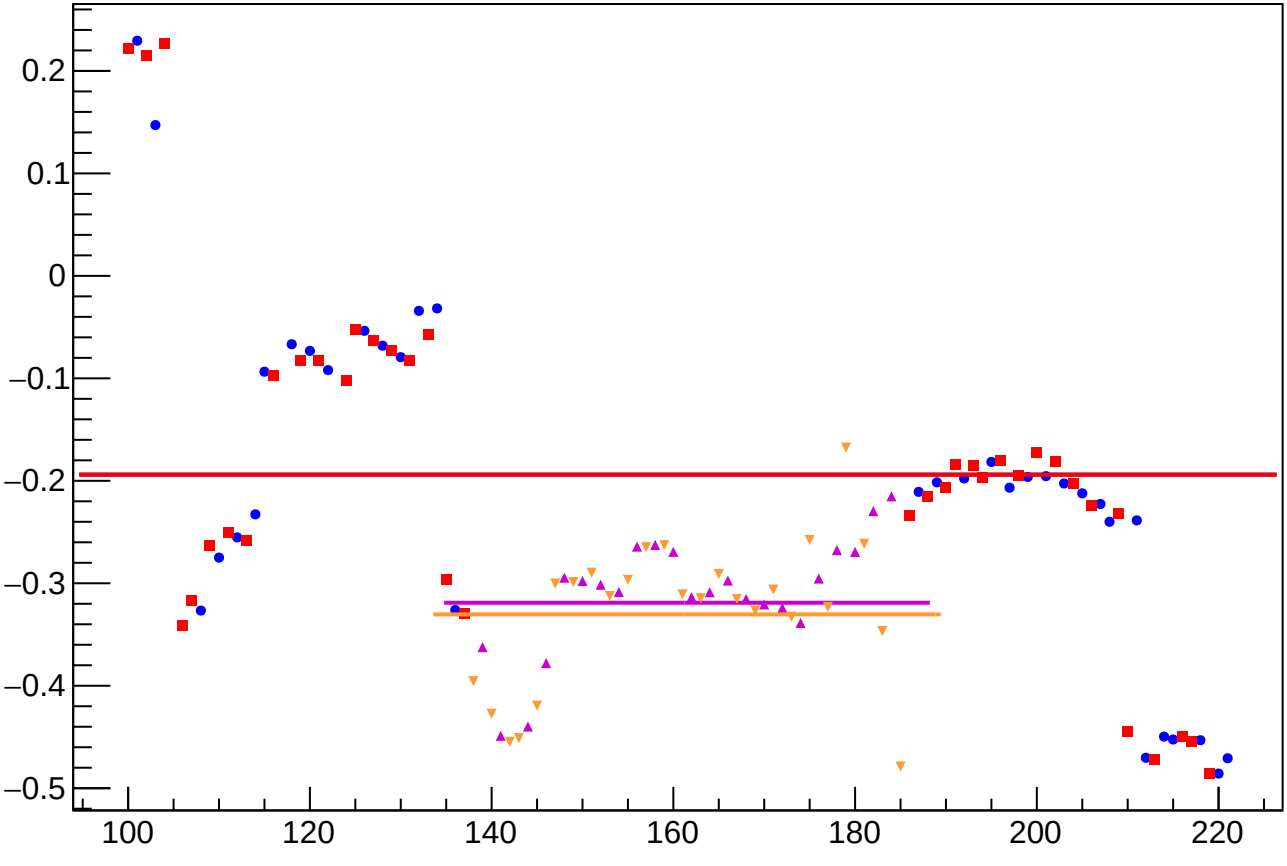
Right: 0.015+/-0.000 χ^2/NDF: 4891913.6/70

In: 0.013+/-0.000 χ^2/NDF:3791770.4/56

Out: 0.013+/-0.000 χ^2/NDF:4527166.3/61

All: 0.013+/-0.000 χ^2/NDF: 8319214.8/118

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: -0.194+/-0.000 χ^2/NDF: 330073201.4/36

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

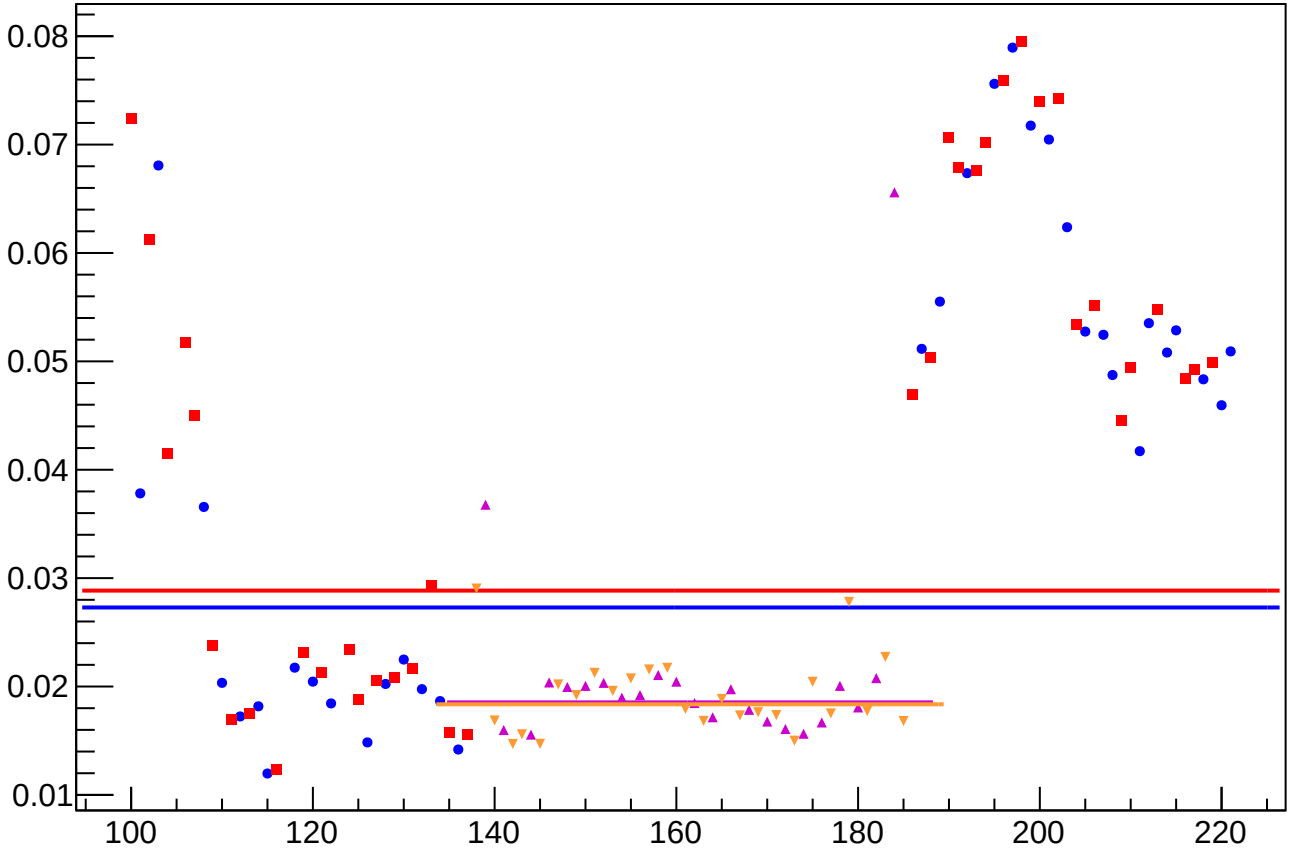
Right: -0.194+/-0.000 χ^2/NDF: 785770999.4/70

In: -0.279+/-0.000 χ^2/NDF:796992851.9/56

Out: -0.293+/-0.000 χ^2/NDF:747961265.4/61

All: -0.286+/-0.000 χ^2/NDF: 1550547076.7/1

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: 10541708.7/36

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

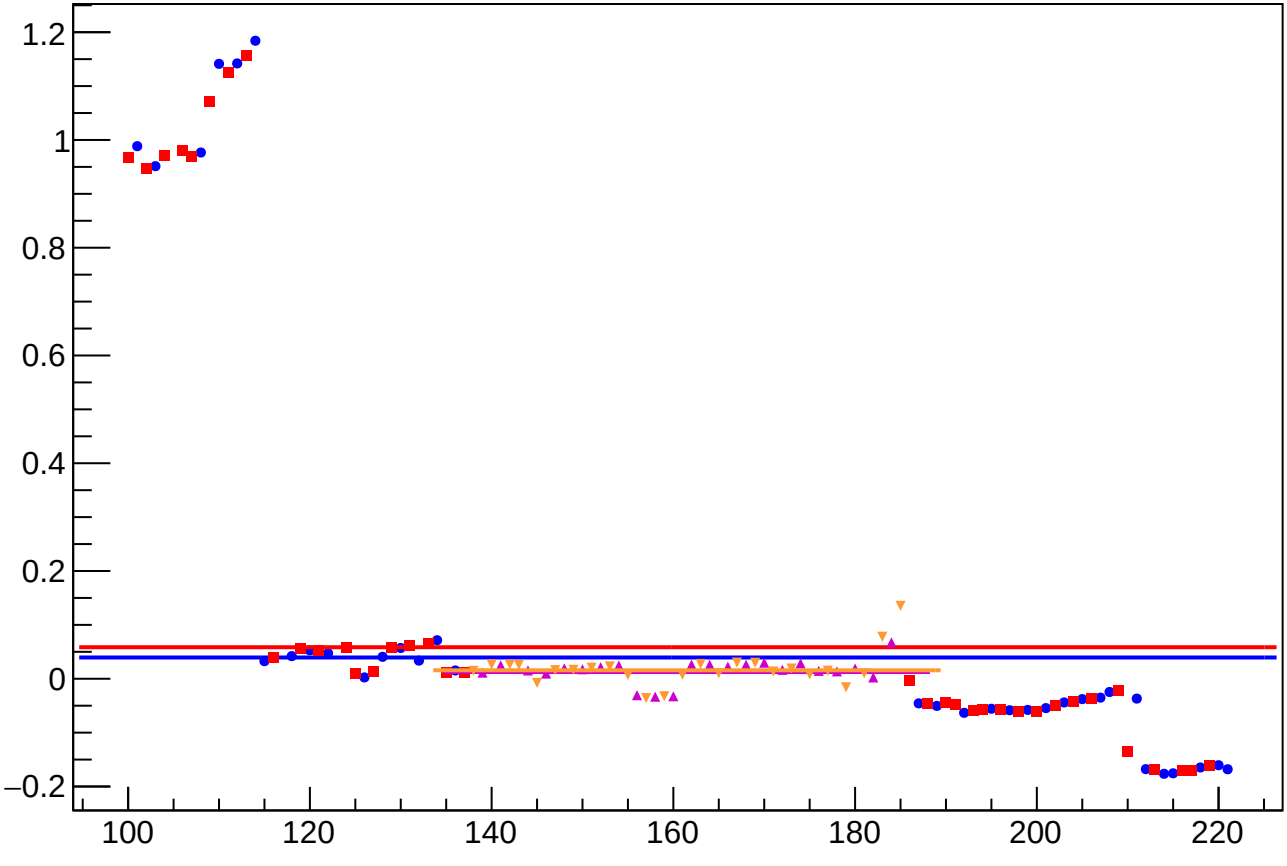
Right: 0.028+/-0.000 χ^2/NDF: 21826249.0/70

In: 0.021+/-0.000 χ^2/NDF:14239548.6/56

Out: 0.021+/-0.000 χ^2/NDF:14063901.6/61

All: 0.021+/-0.000 χ^2/NDF: 28303640.7/118

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: 0.058+/-0.000 χ^2/NDF: 9999885410.4/36

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

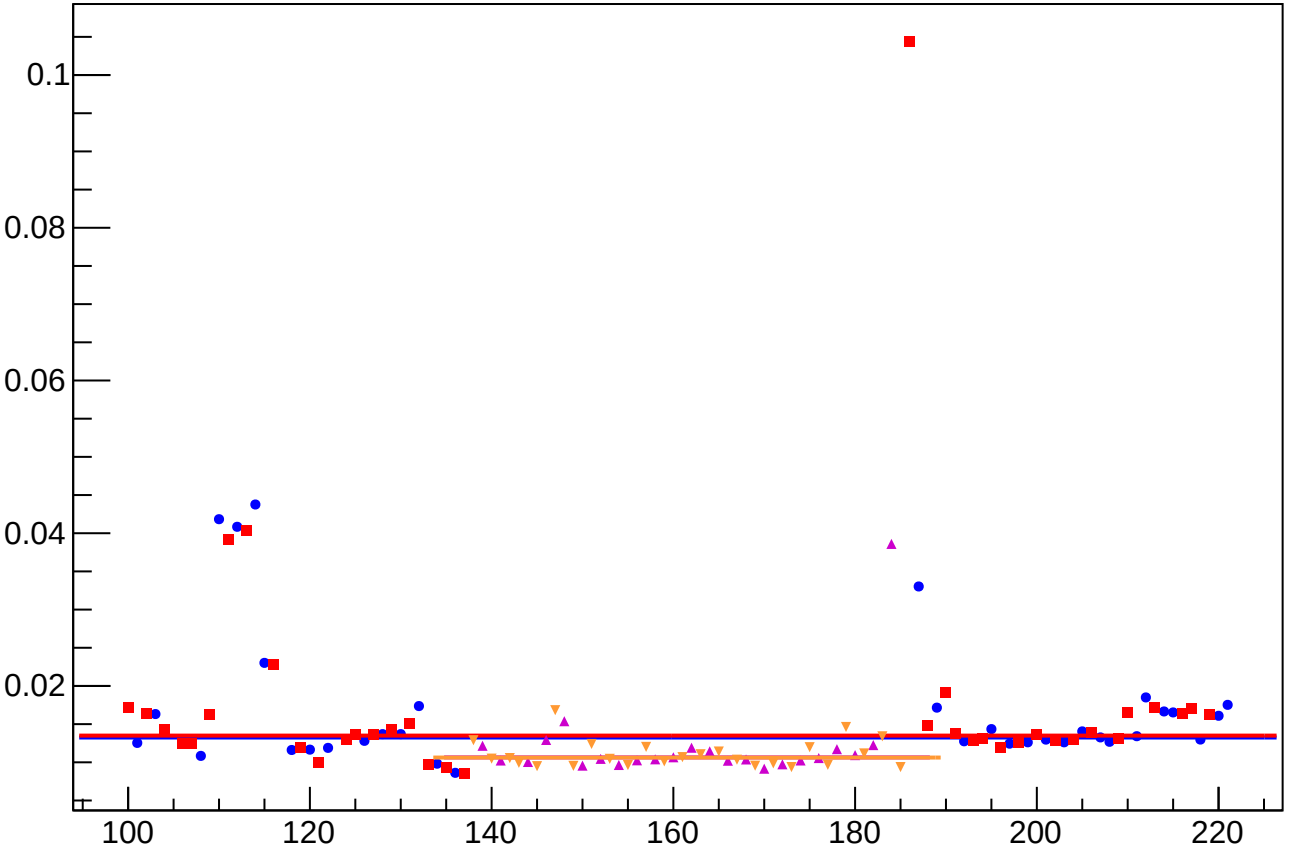
Right: 0.049+/-0.000 χ^2/NDF: 19510851475.8/70

In: 0.024+/-0.000 χ^2/NDF:9596910657.8/56

Out: 0.033+/-0.000 χ^2/NDF:10219701161.8/61

All: 0.028+/-0.000 χ^2/NDF: 19826620713.8/1

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: 0.013+/-0.000 χ^2/NDF: 2473058.8/36

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

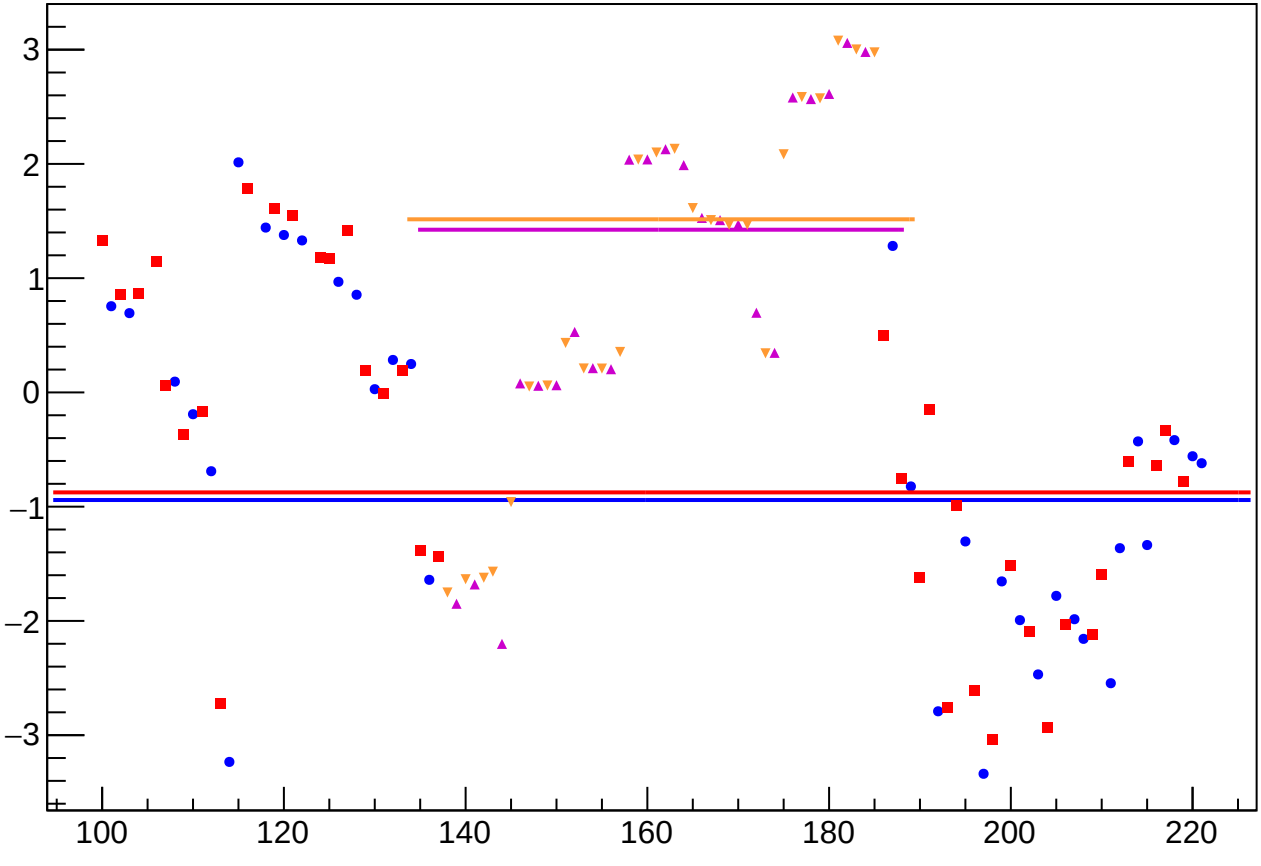
Right: 0.013+/-0.000 χ^2/NDF: 4750041.6/70

In: 0.012+/-0.000 χ^2/NDF:3715828.9/56

Out: 0.012+/-0.000 χ^2/NDF:4137675.3/61

All: 0.012+/-0.000 χ^2/NDF: 7853530.6/118

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: -0.875+/-0.000 χ^2/NDF: 9783284955.3/36

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

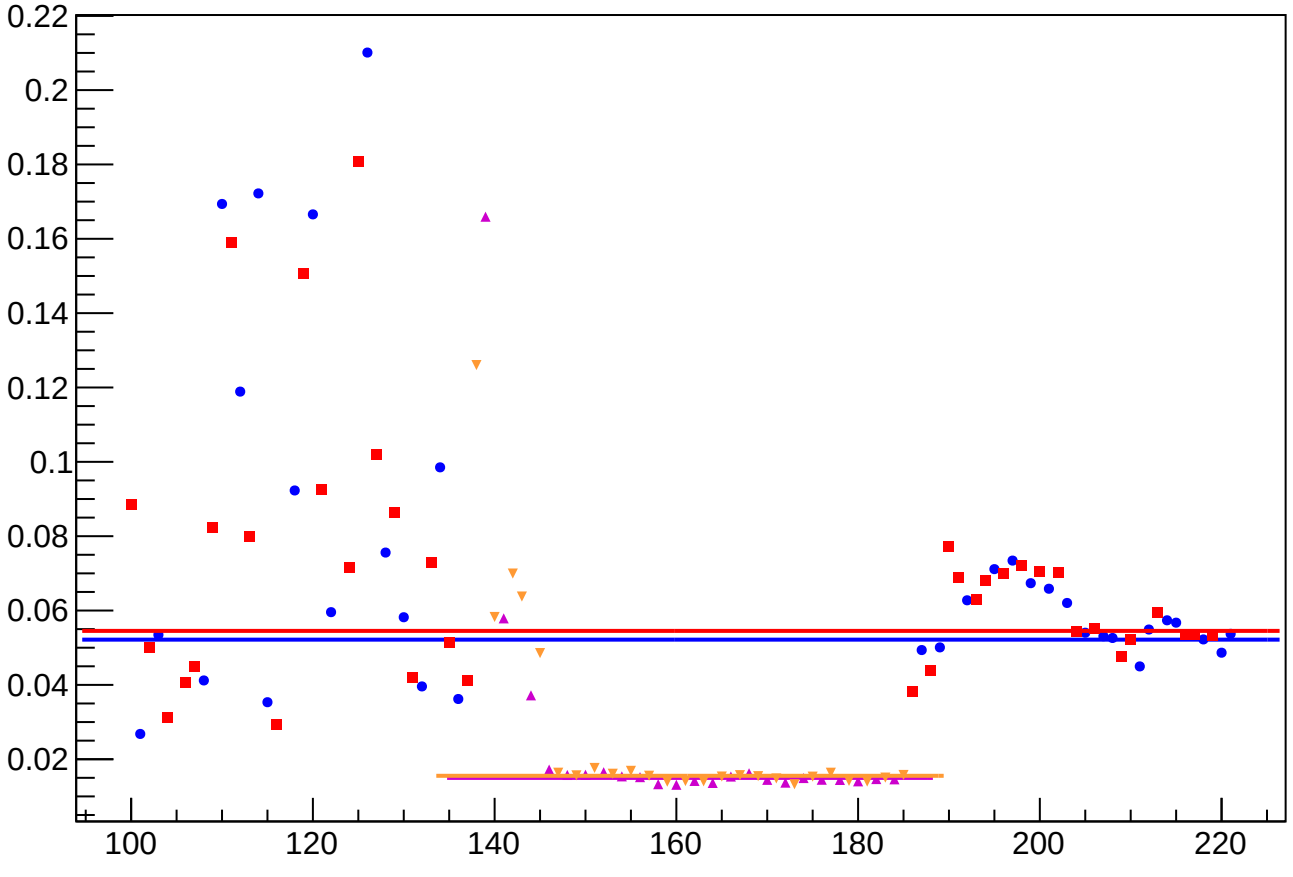
Right: -0.910+/-0.000 χ^2/NDF: 19704850954.7/70

In: 1.202+/-0.000 χ^2/NDF:110501384610.4/56

Out: 1.306+/-0.000 χ^2/NDF:107867437243.7/61

All: 1.253+/-0.000 χ^2/NDF: 218730033677.7

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: 0.055+/-0.000 χ^2/NDF: 3198296.6/36

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

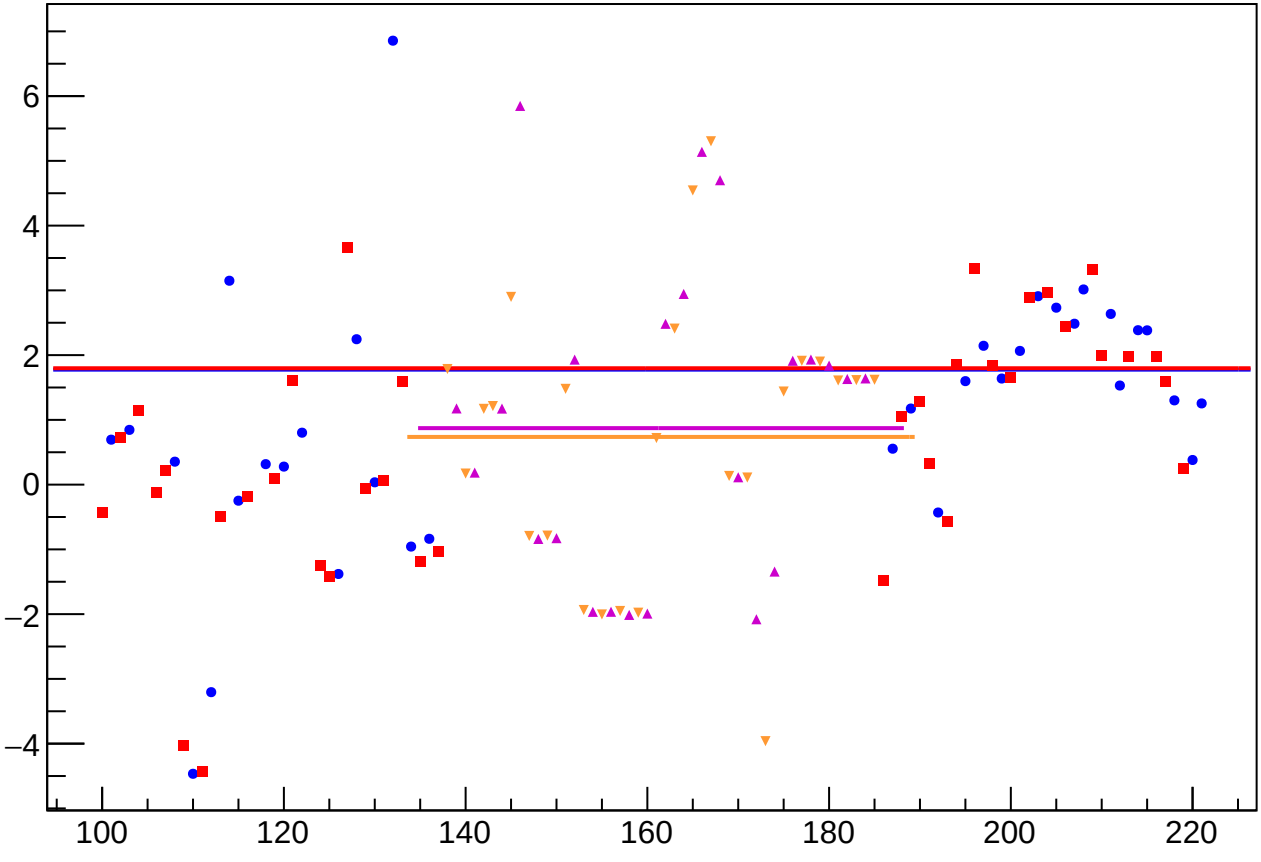
Right: 0.053+/-0.000 χ^2/NDF: 6864960.2/70

In: 0.018+/-0.000 χ^2/NDF:21904864.0/56

Out: 0.019+/-0.000 χ^2/NDF:22296407.6/61

All: 0.019+/-0.000 χ^2/NDF: 44217984.8/118

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: 1.797+/-0.000 χ^2/NDF: 50583778500.3/36

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

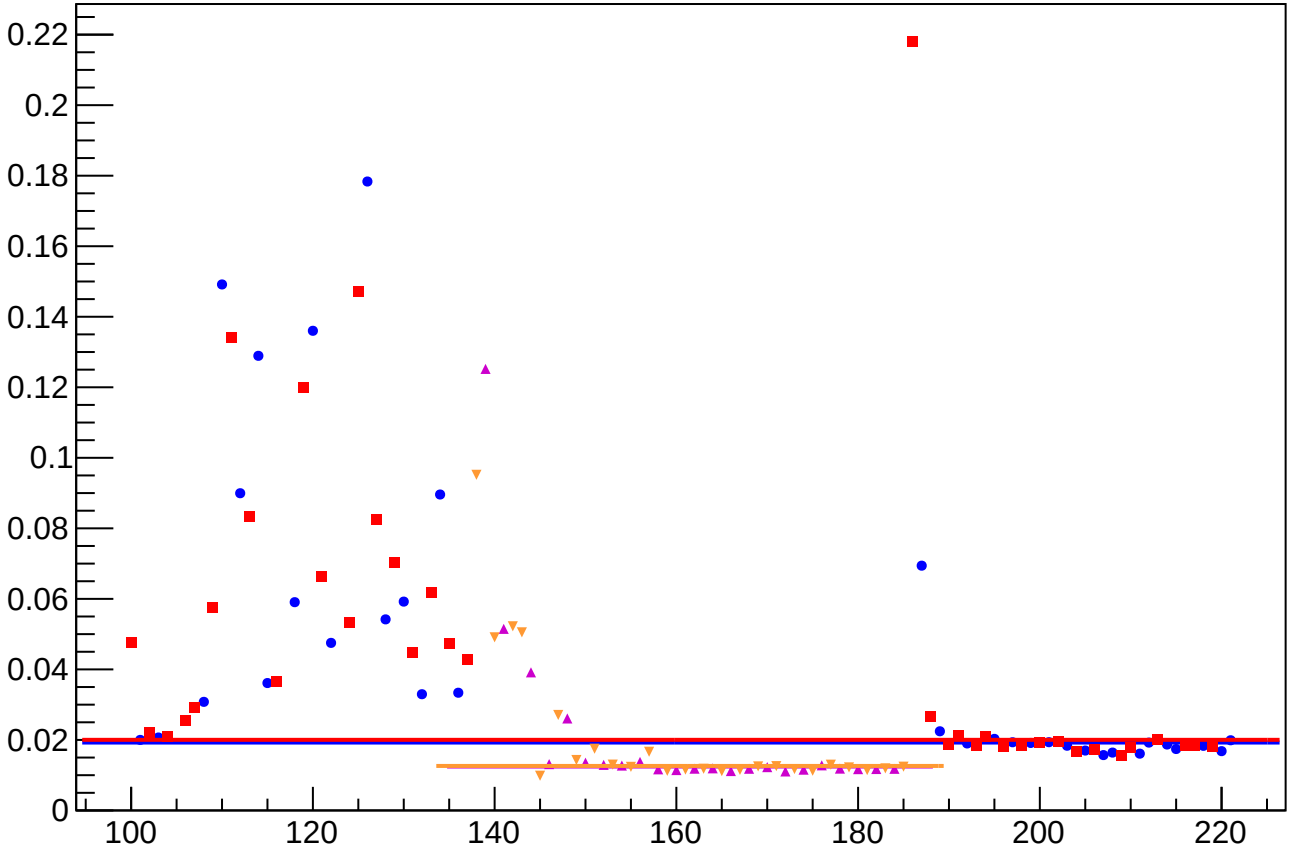
Right: 1.786+/-0.000 χ^2/NDF: 99806484983.4/70

In: 1.146+/-0.000 χ^2/NDF:693844651234.9/56

Out: 1.032+/-0.000 χ^2/NDF:617621775056.1/61

All: 1.090+/-0.000 χ^2/NDF: 1312374705050.

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: 5573107.1/36

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

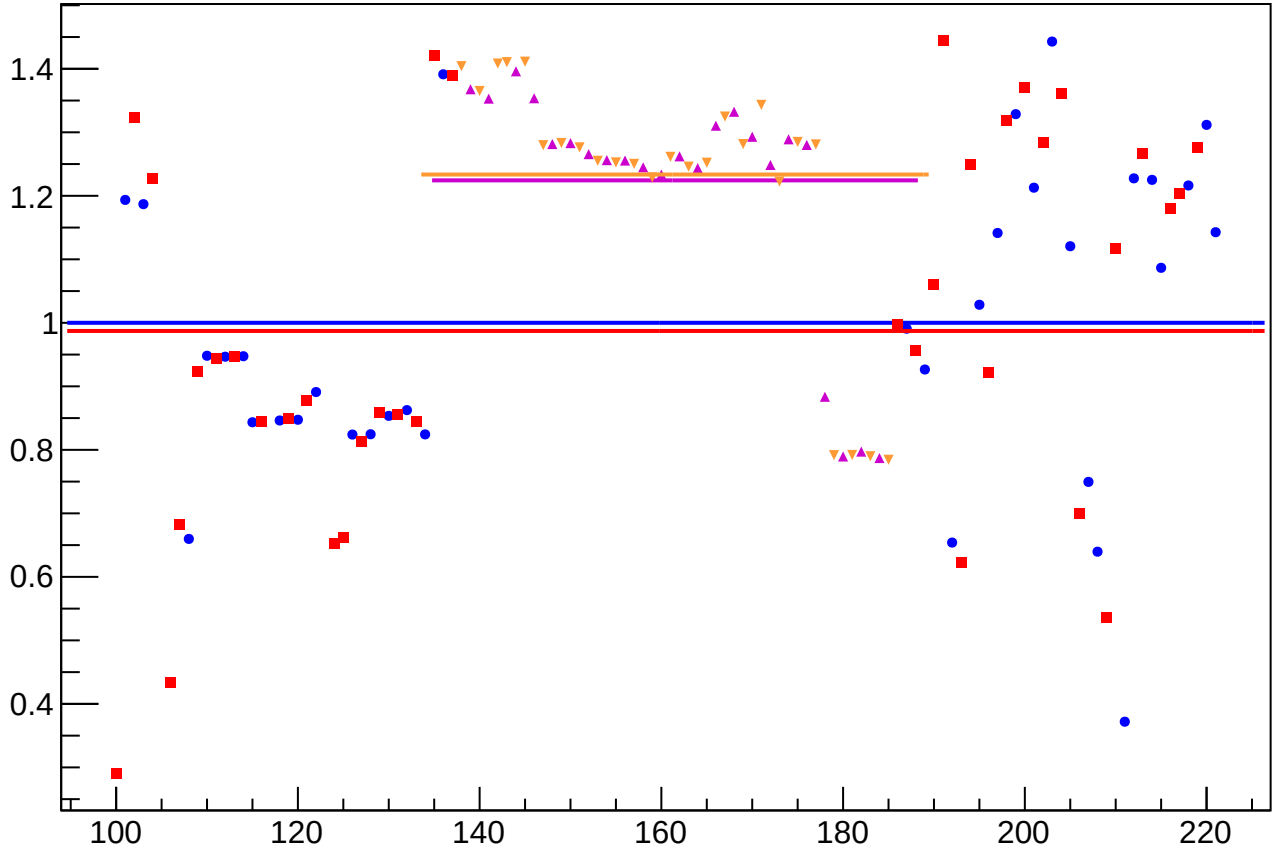
Right: 0.020+/-0.000 χ^2/NDF: 10140153.3/70

In: 0.015+/-0.000 χ^2/NDF:10072414.4/56

Out: 0.015+/-0.000 χ^2/NDF:11792437.6/61

All: 0.015+/-0.000 χ^2/NDF: 21868850.4/118

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: 0.987+/-0.000 χ^2/NDF: 2701874246.4/36

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

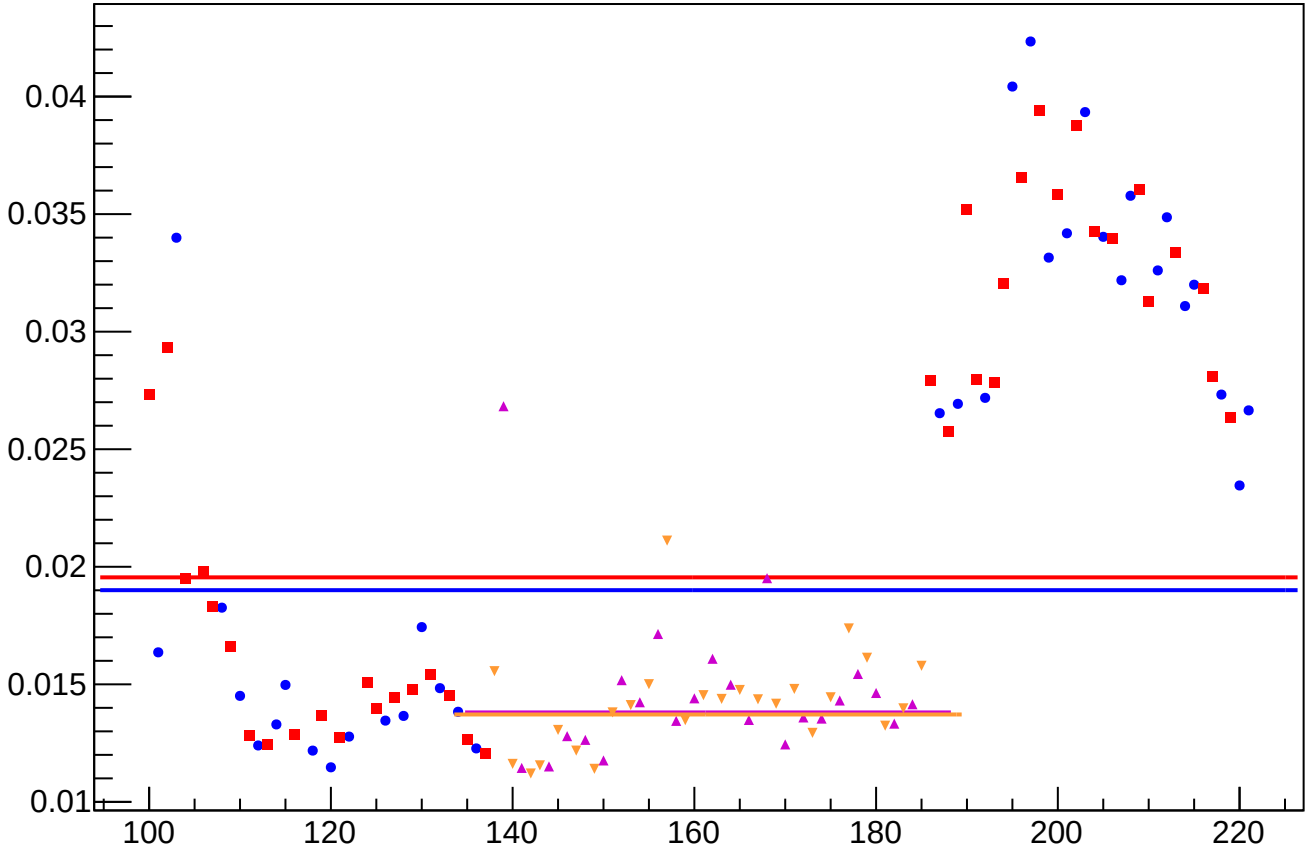
Right: 0.994+/-0.000 χ^2/NDF: 5242084515.4/70

In: 1.145+/-0.000 χ^2/NDF:6702876213.4/56

Out: 1.153+/-0.000 χ^2/NDF:7528177397.3/61

All: 1.149+/-0.000 χ^2/NDF: 14235423879.3/1

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: 6214082.7/36

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

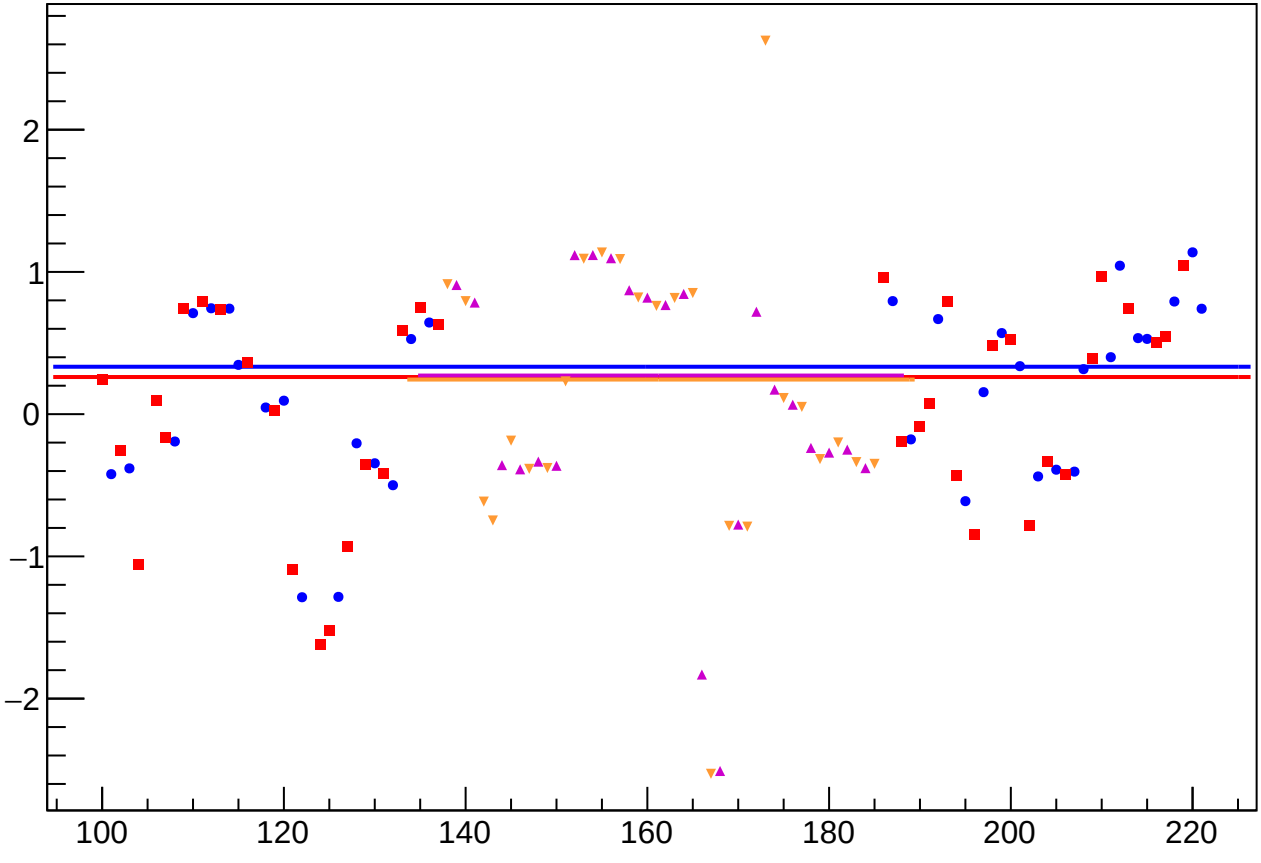
Right: 0.019+/-0.000 χ^2/NDF: 13143840.4/70

In: 0.016+/-0.000 χ^2/NDF:9413511.6/56

Out: 0.016+/-0.000 χ^2/NDF:8763138.5/61

All: 0.016+/-0.000 χ^2/NDF: 18176714.9/118

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: 0.261+/-0.000 χ^2/NDF: 57294639326.5/36

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

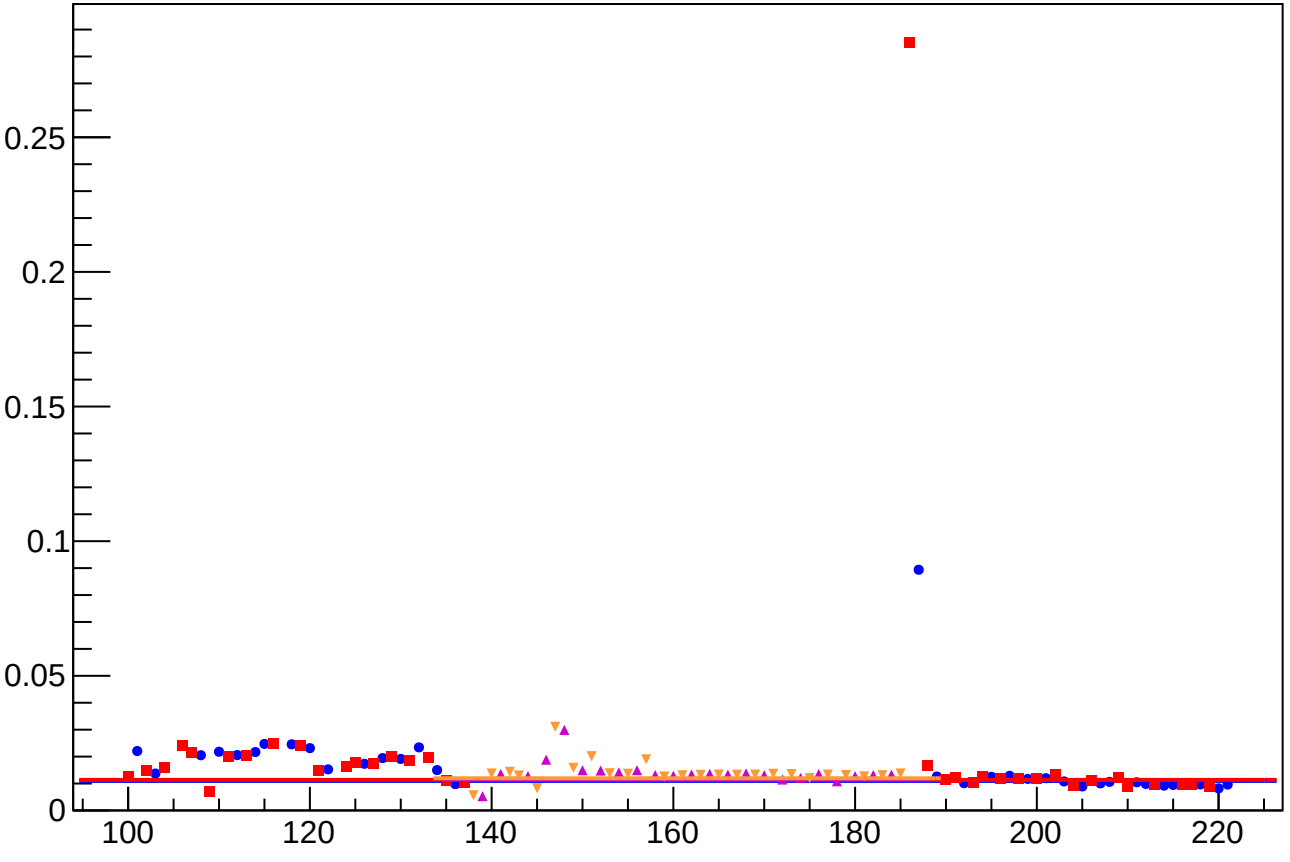
Right: 0.299+/-0.000 χ^2/NDF: 107333999427.2/70

In: 0.306+/-0.000 χ^2/NDF:140419996517.8/56

Out: 0.253+/-0.000 χ^2/NDF:162906420430.1/61

All: 0.280+/-0.000 χ^2/NDF: 303700456706.9

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: 3507458.9/36

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

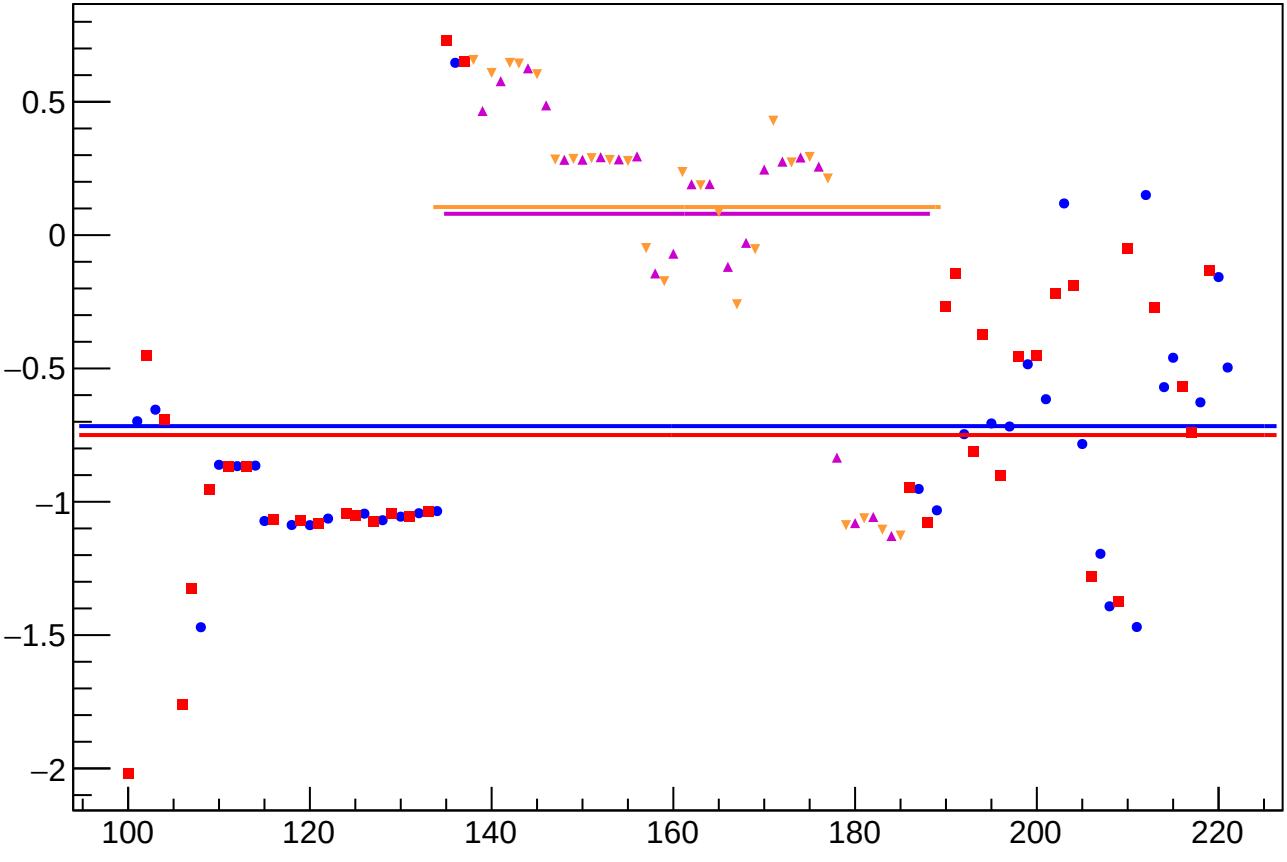
Right: 0.011+/-0.000 χ^2/NDF: 6685477.2/70

In: 0.011+/-0.000 χ^2/NDF:6863930.0/56

Out: 0.012+/-0.000 χ^2/NDF:6819018.5/61

All: 0.011+/-0.000 χ^2/NDF: 13730592.2/118

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: -0.750+/-0.000 χ^2/NDF: 2311037624.5/36

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

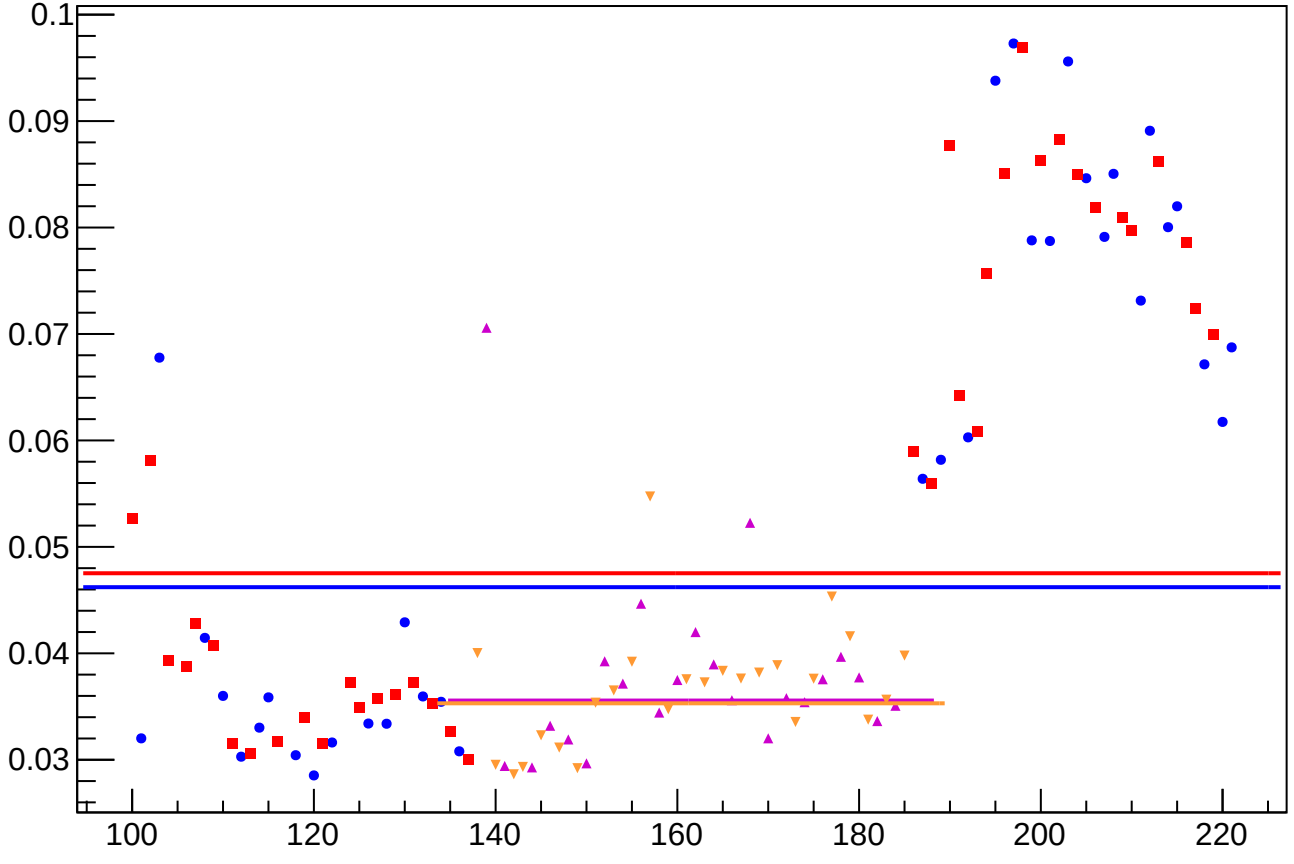
Right: -0.732+/-0.000 χ^2/NDF: 4806010730.5/70

In: -0.228+/-0.000 χ^2/NDF:8877443041.0/56

Out: -0.200+/-0.000 χ^2/NDF:9620668265.2/61

All: -0.214+/-0.000 χ^2/NDF: 18506163043.6/

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: 5872152.5/36

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

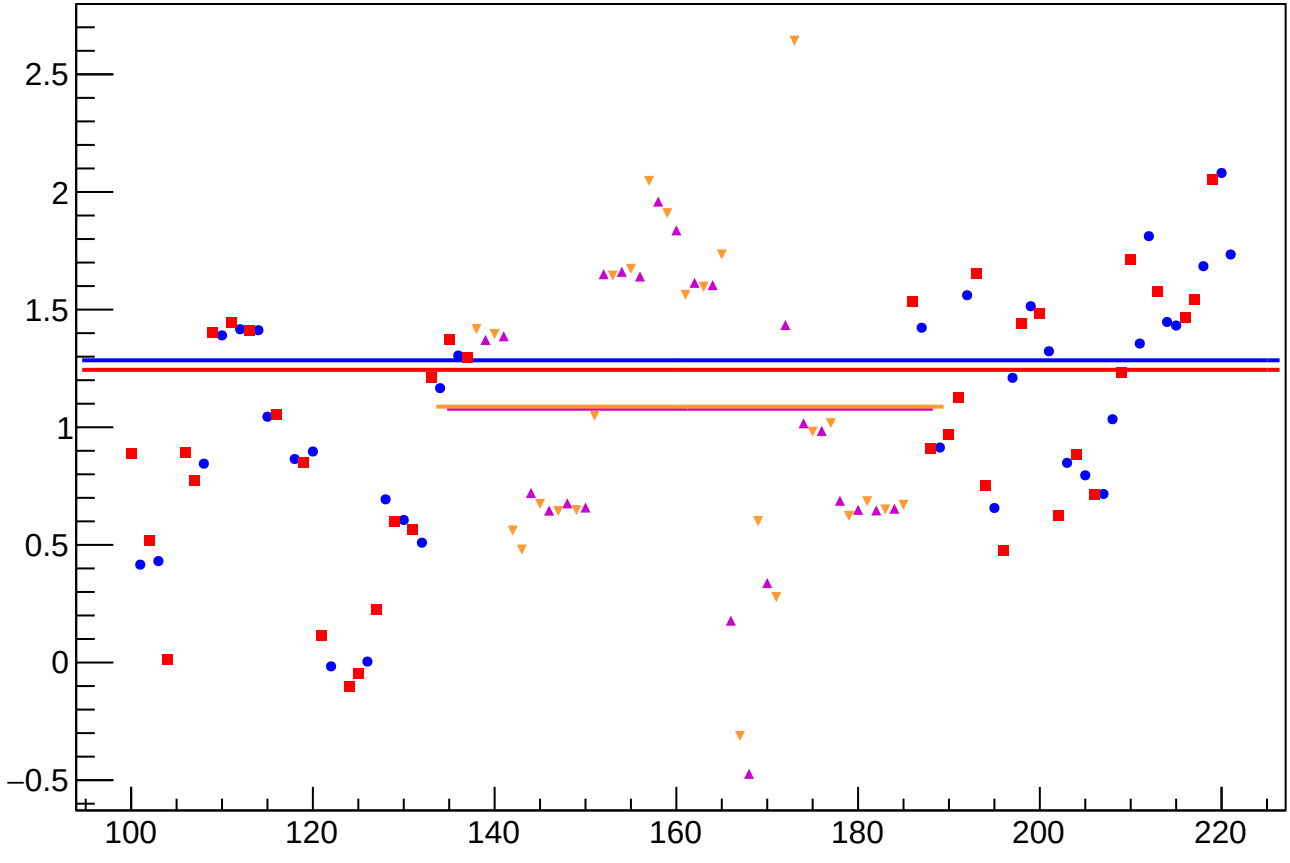
Right: 0.047+/-0.000 χ^2/NDF: 12672941.8/70

In: 0.040+/-0.000 χ^2/NDF:8863416.1/56

Out: 0.040+/-0.000 χ^2/NDF:7923461.8/61

All: 0.040+/-0.000 χ^2/NDF: 16786881.2/118

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: 1.244+/-0.000 χ^2/NDF: 85412976114.7/36

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

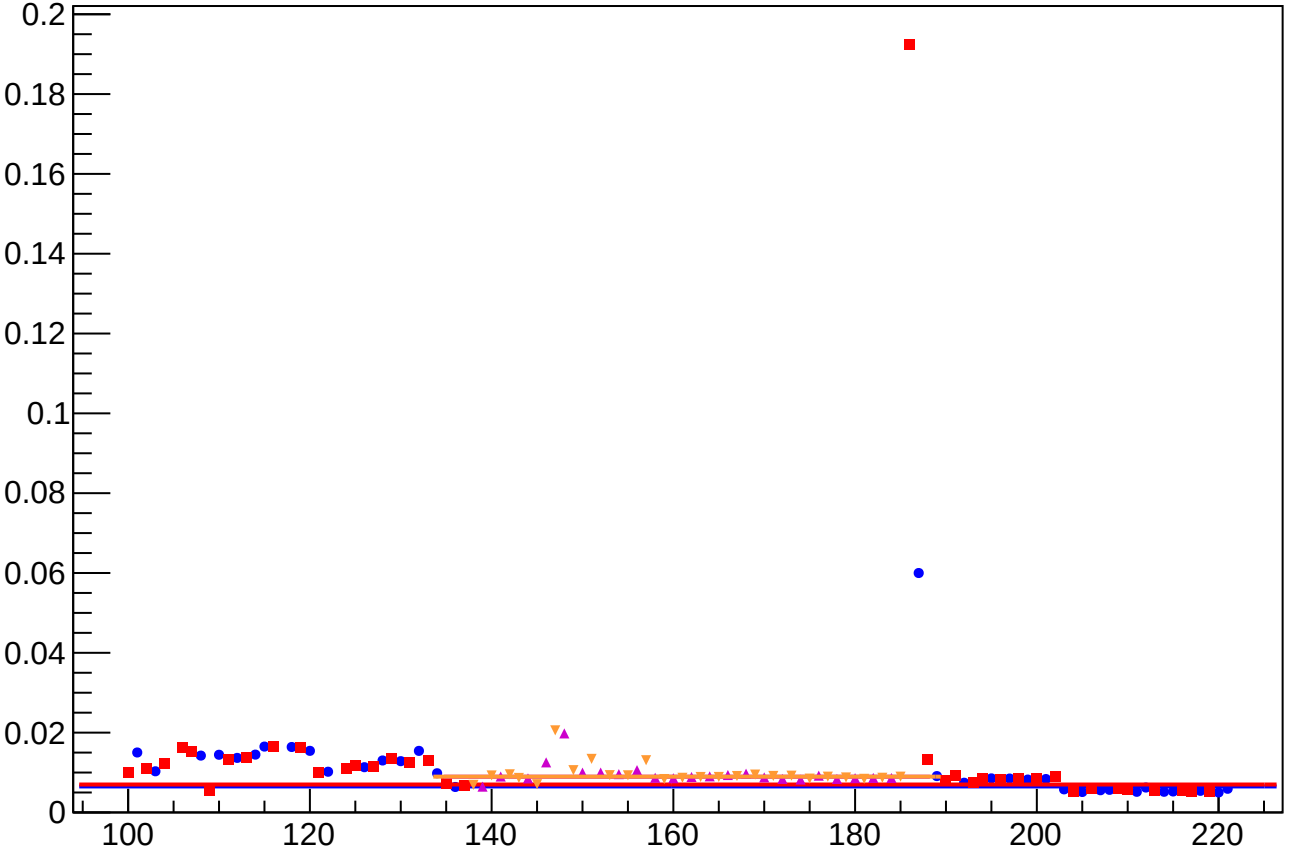
Right: 1.266+/-0.000 χ^2/NDF: 174662361661.9/70

In: 1.217+/-0.000 χ^2/NDF:169031752565.2/56

Out: 1.184+/-0.000 χ^2/NDF:182633319110.1/61

All: 1.201+/-0.000 χ^2/NDF: 351996809979.4

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: 4758909.9/36

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

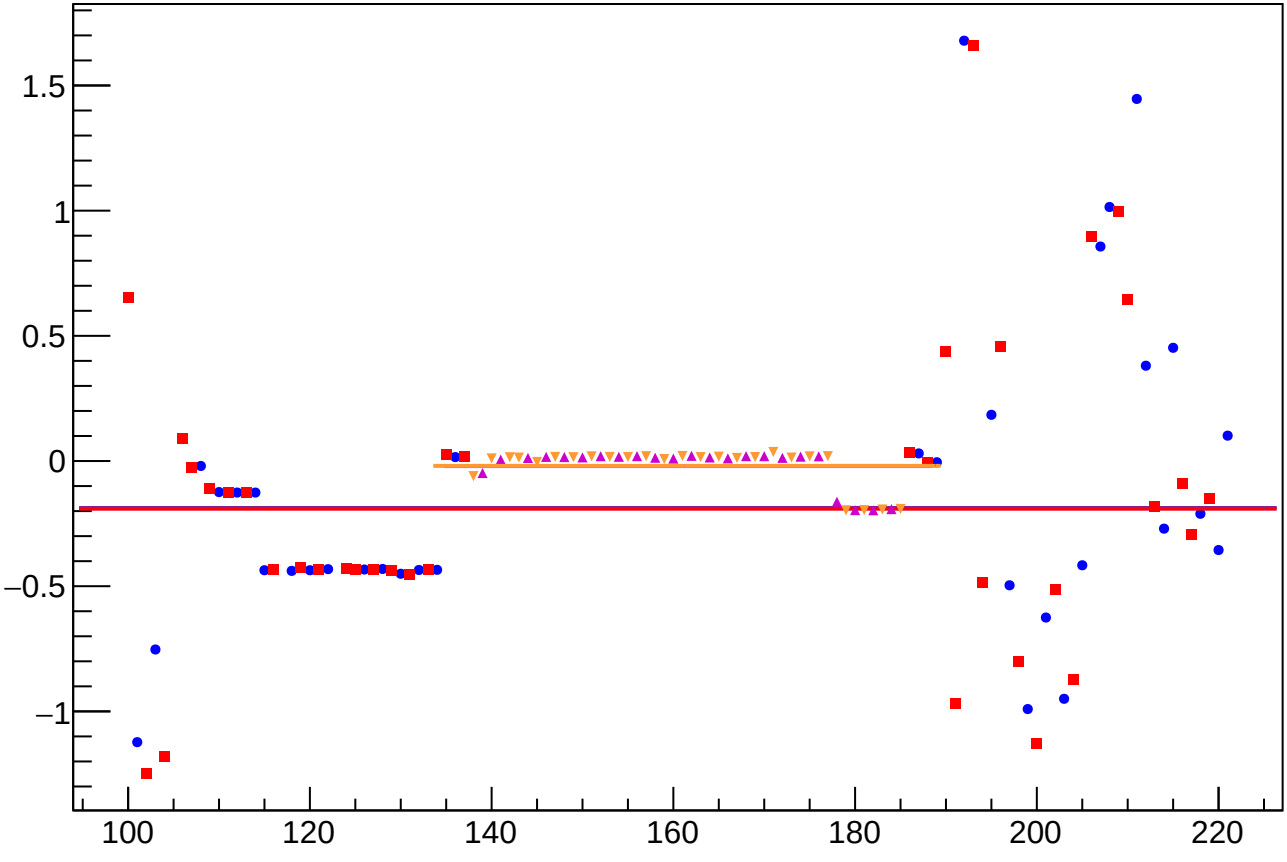
Right: 0.007+/-0.000 χ^2/NDF: 9318623.2/70

In: 0.007+/-0.000 χ^2/NDF:7111633.0/56

Out: 0.008+/-0.000 χ^2/NDF:6975615.9/61

All: 0.008+/-0.000 χ^2/NDF: 14207089.5/118

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: -0.190+/-0.000 χ^2/NDF: 4555627292.3/36

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

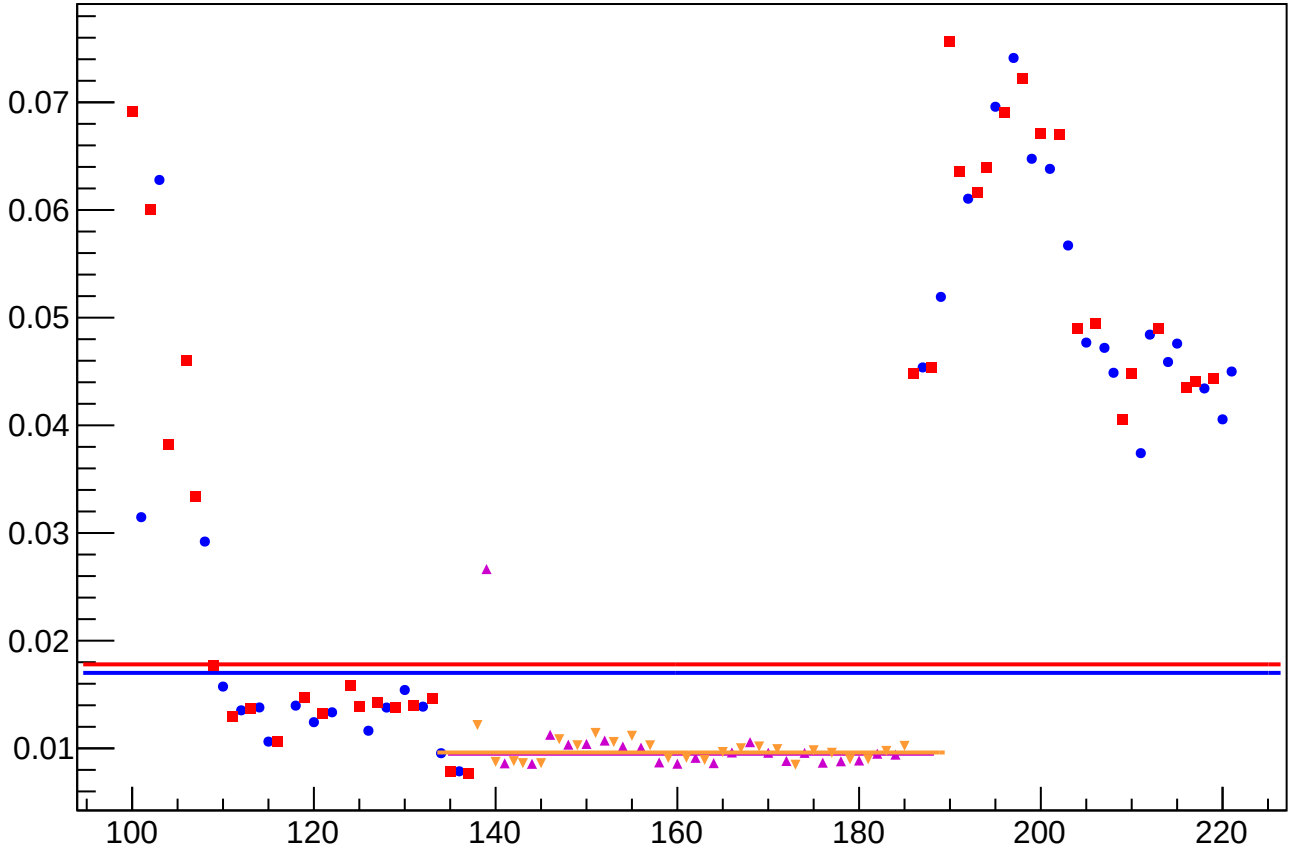
Right: -0.189+/-0.000 χ^2/NDF: 10824848605.8/70

In: -0.053+/-0.000 χ^2/NDF:8194927614.1/56

Out: -0.049+/-0.000 χ^2/NDF:6502750287.6/61

All: -0.051+/-0.000 χ^2/NDF: 14699845506.7/

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: 15790259.3/36

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

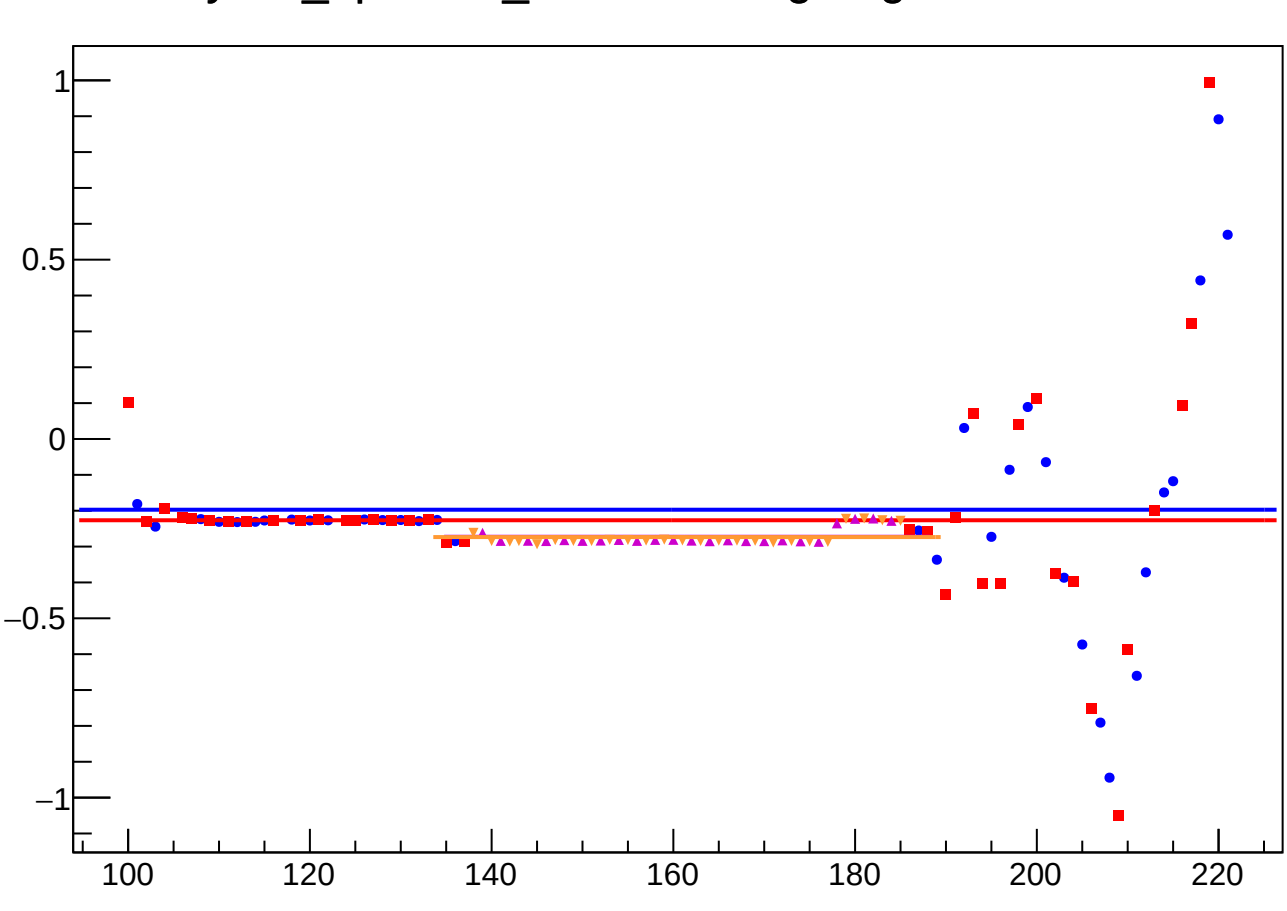
Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

Right: 0.017+/-0.000 χ^2/NDF: 32221188.3/70

In: 0.011+/-0.000 χ^2/NDF:21051760.4/56

Out: 0.011+/-0.000 χ^2/NDF:20149205.7/61

All: 0.011+/-0.000 χ^2/NDF: 41201467.9/118



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: -0.227+/-0.000 χ^2/NDF: 54052880309.0/36

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

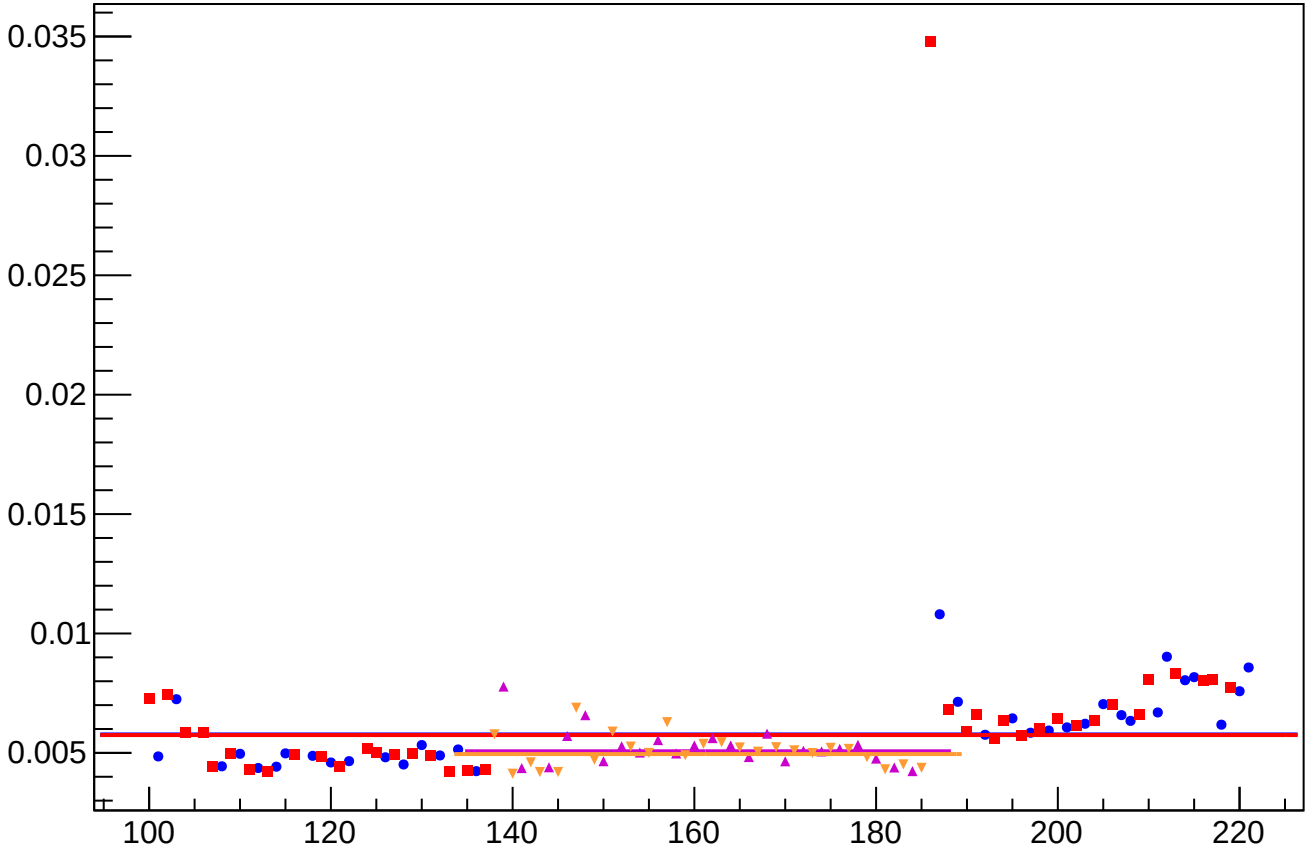
Right: -0.212+/-0.000 χ^2/NDF: 117859268402.1/70

In: -0.237+/-0.000 χ^2/NDF:65669936173.7/56

Out: -0.253+/-0.000 χ^2/NDF:55162289461.7/61

All: -0.245+/-0.000 χ^2/NDF: 120989132043.3

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: 2211718.9/36

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

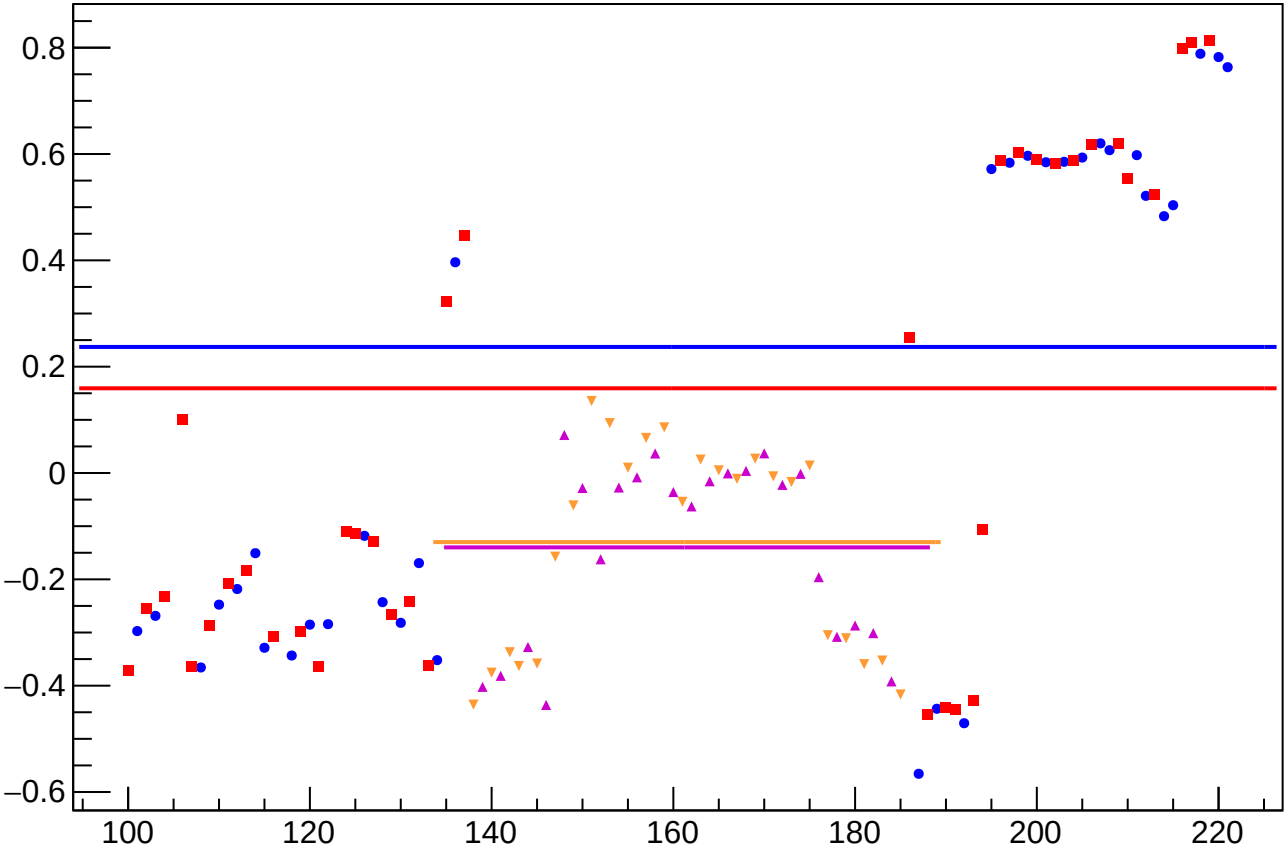
Right: 0.006+/-0.000 χ^2/NDF: 4047937.5/70

In: 0.005+/-0.000 χ^2/NDF:2686721.1/56

Out: 0.005+/-0.000 χ^2/NDF:3152077.4/61

All: 0.005+/-0.000 χ^2/NDF: 5850856.4/118

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: 0.159+/-0.000 χ^2/NDF: 90892088011.1/36

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

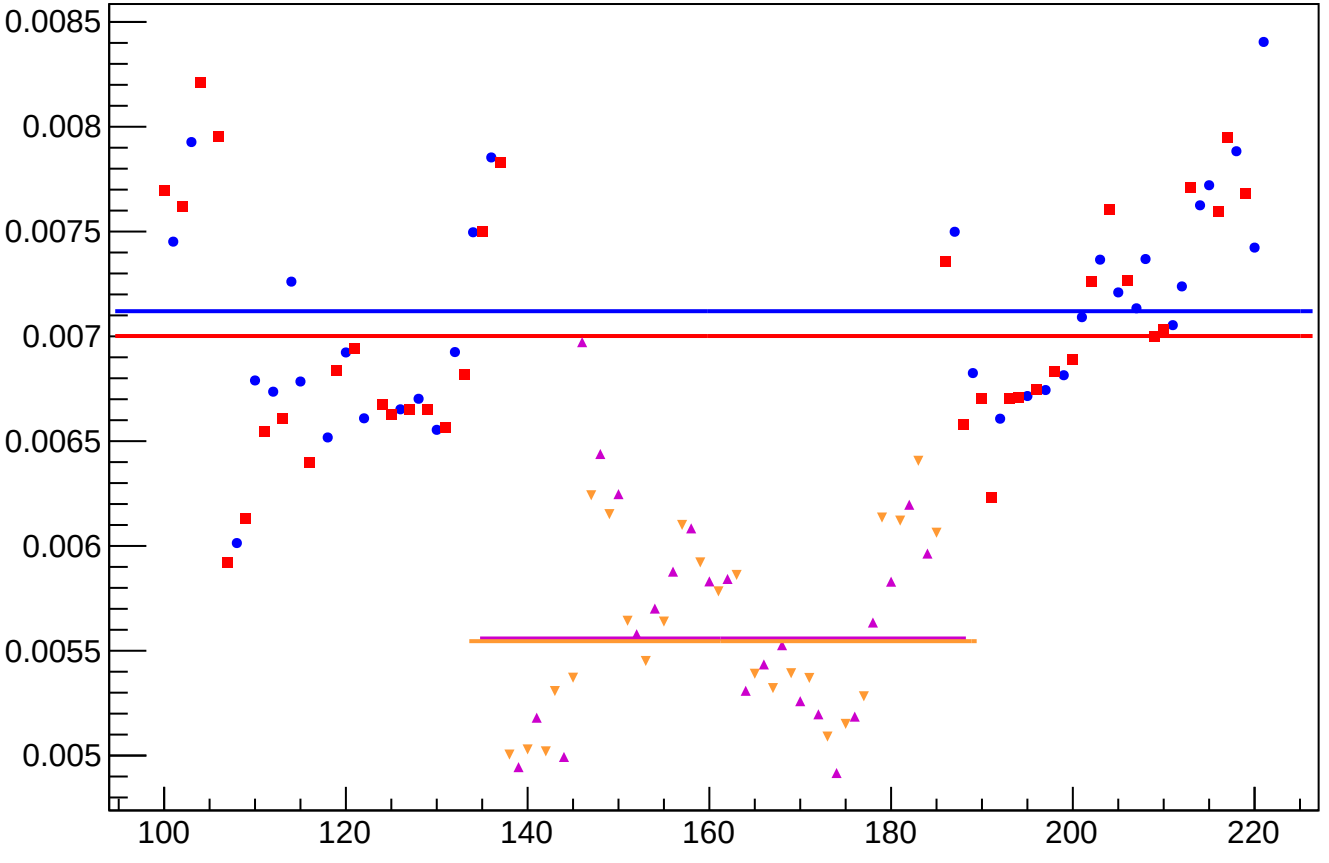
Right: 0.198+/-0.000 χ^2/NDF: 180836832275.1/70

In: 0.023+/-0.000 χ^2/NDF:138164754334.7/56

Out: -0.009+/-0.000 χ^2/NDF:133239888531.4/61

All: 0.007+/-0.000 χ^2/NDF: 271927089807.6

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: 214292.9/36

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

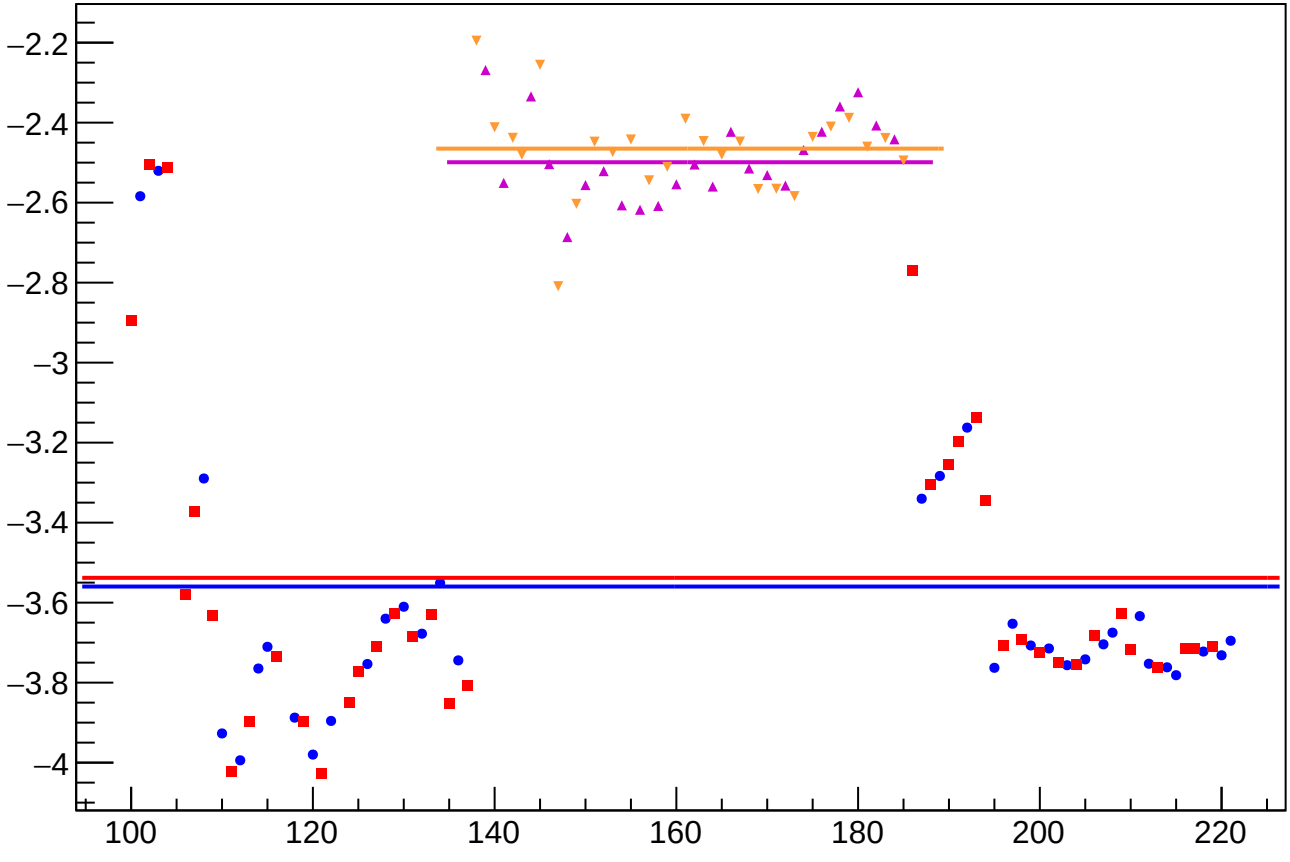
Right: 0.007+/-0.000 χ^2/NDF: 433246.5/70

In: 0.006+/-0.000 χ^2/NDF:1653078.3/56

Out: 0.006+/-0.000 χ^2/NDF:1472591.4/61

All: 0.006+/-0.000 χ^2/NDF: 3132079.3/118

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.560+/-0.000 χ^2/NDF: 34084894611.5/33

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.538+/-0.000 χ^2/NDF: 35680524386.2/36

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

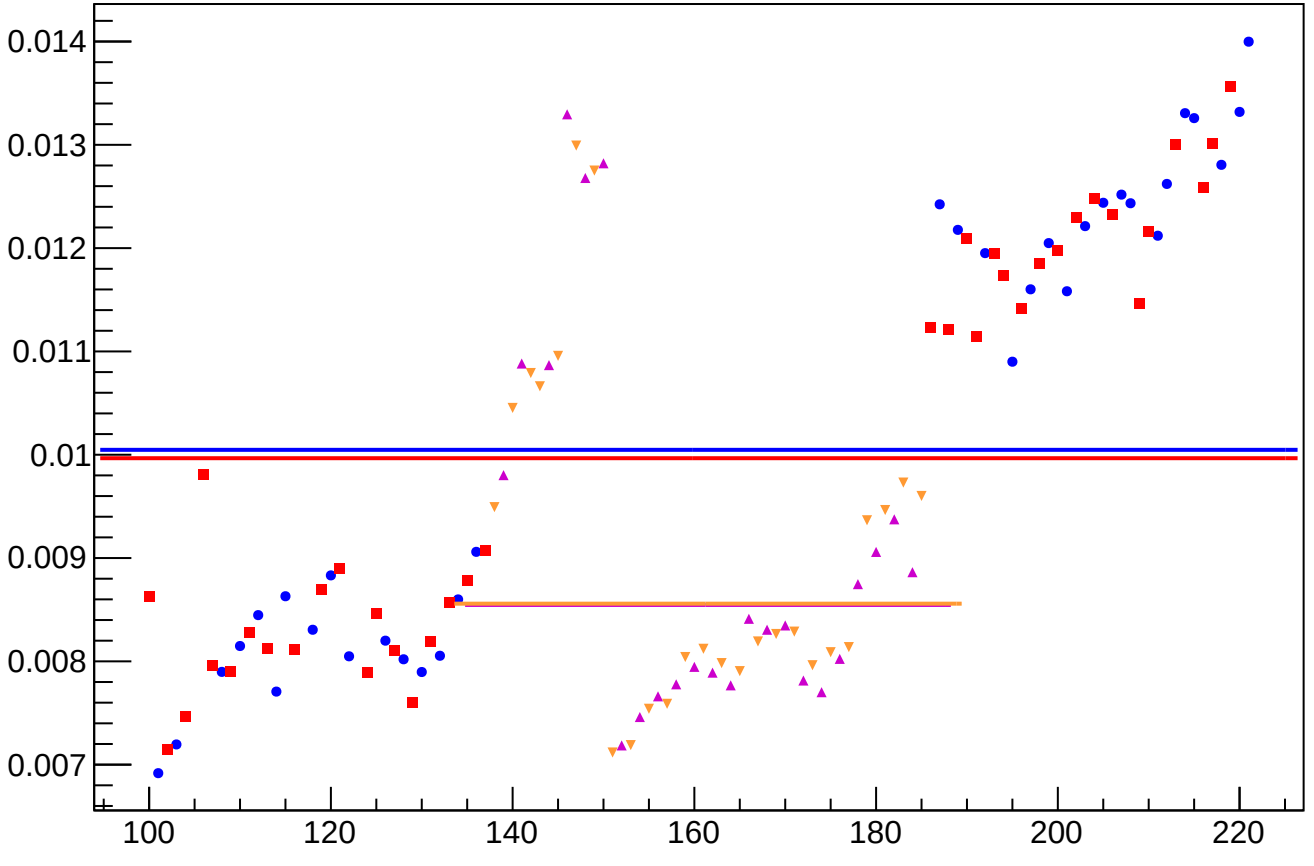
Right: -3.549+/-0.000 χ^2/NDF: 69813541380.5/70

In: -2.993+/-0.000 χ^2/NDF:158936899084.1/56

Out: -2.949+/-0.000 χ^2/NDF:165934528537.4/61

All: -2.970+/-0.000 χ^2/NDF: 325307651690.5

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: 1735510.5/36

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

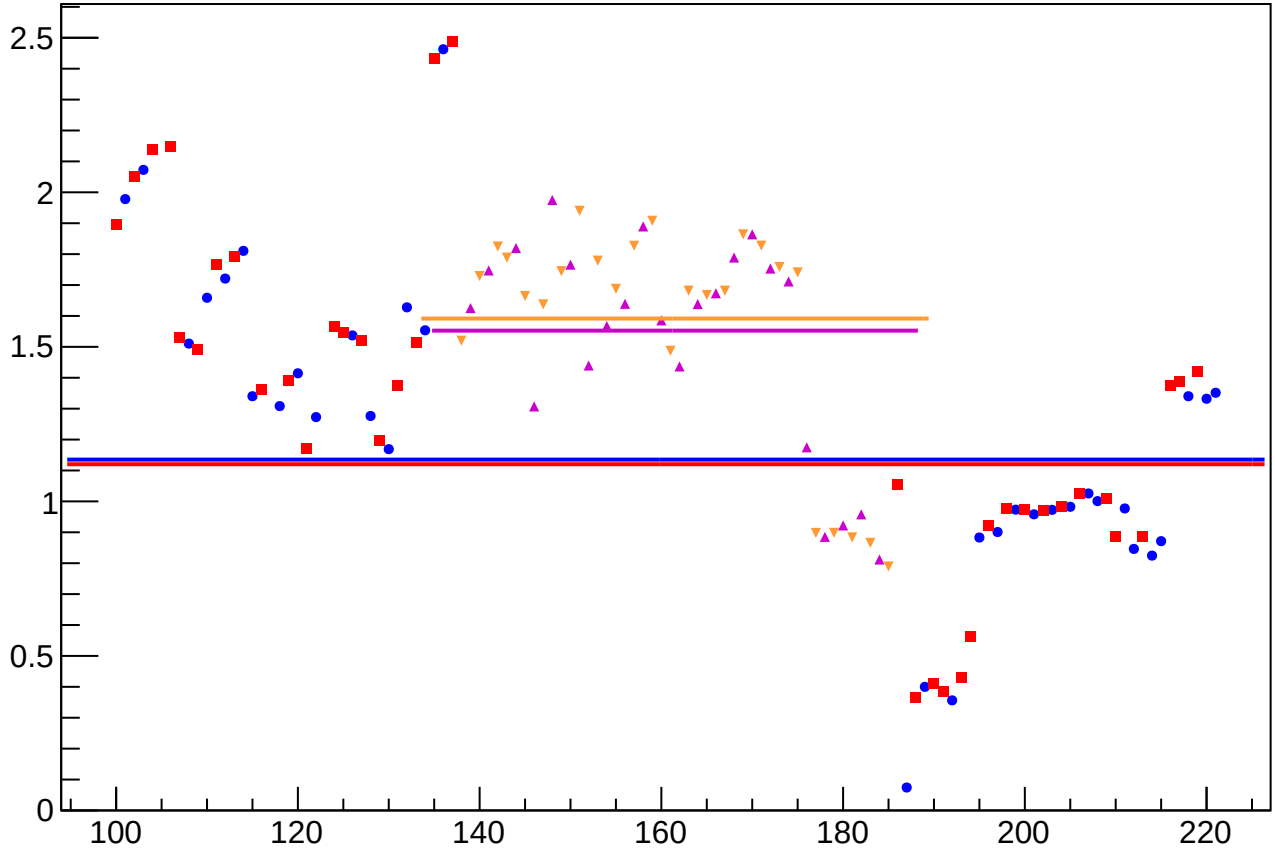
Right: 0.010+/-0.000 χ^2/NDF: 3853149.4/70

In: 0.009+/-0.000 χ^2/NDF:3518337.7/56

Out: 0.009+/-0.000 χ^2/NDF:3000652.0/61

All: 0.009+/-0.000 χ^2/NDF: 6520194.7/118

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: 1.120+/-0.000 χ^2/NDF: 35889972774.5/36

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

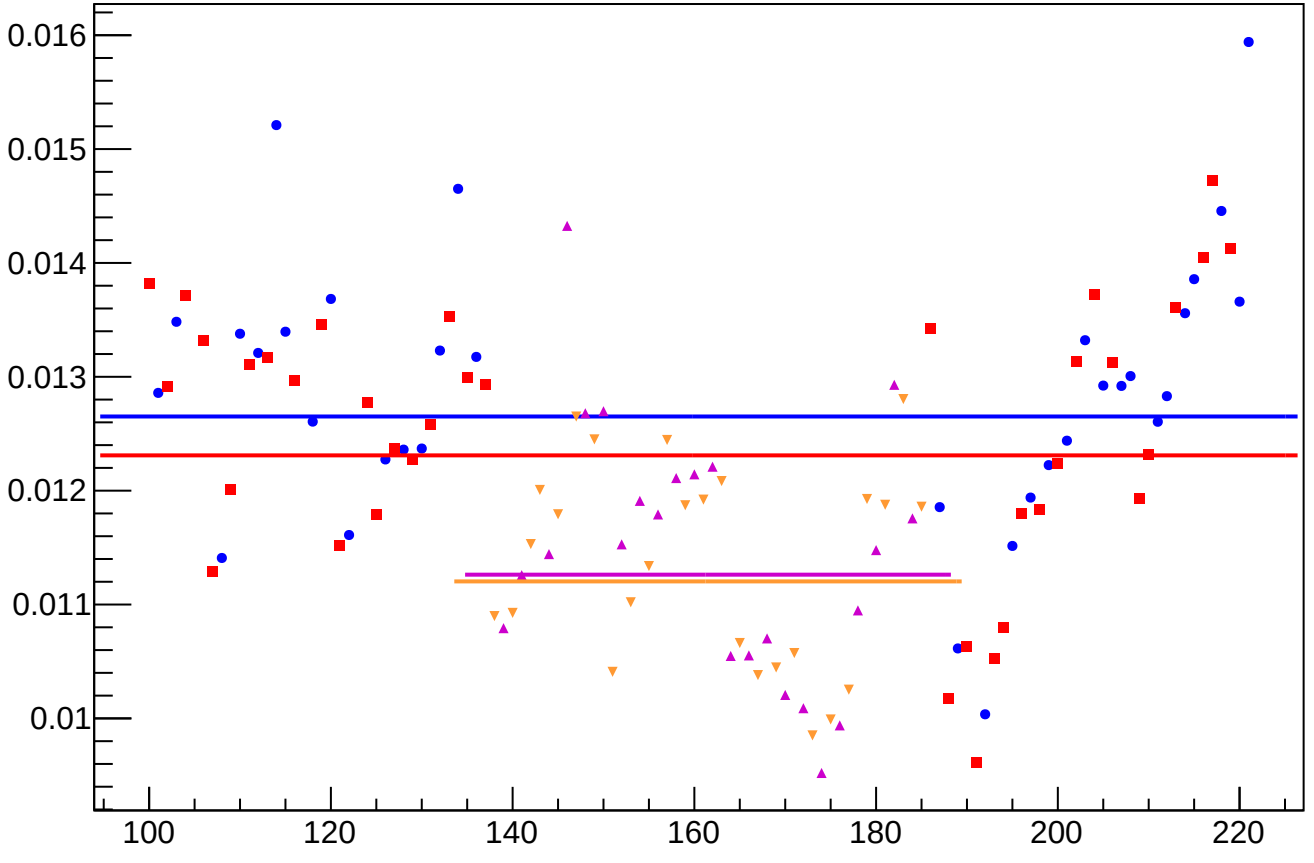
Right: 1.128+/-0.000 χ^2/NDF: 67206838802.5/70

In: 1.346+/-0.000 χ^2/NDF:57111761642.9/56

Out: 1.364+/-0.000 χ^2/NDF:68726219465.2/61

All: 1.356+/-0.000 χ^2/NDF: 125883101741.1

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: 431506.5/36

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

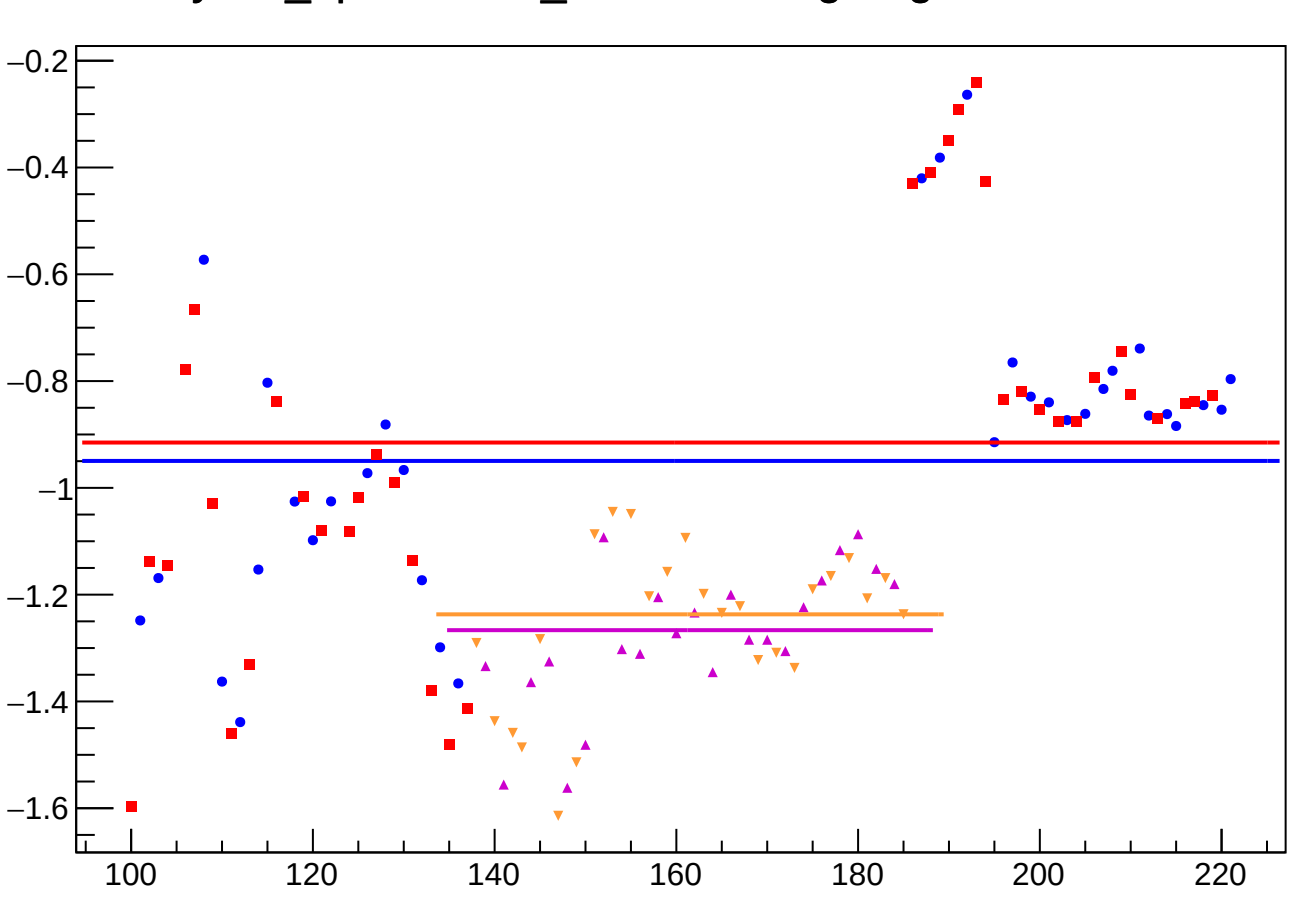
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 844859.3/70

In: 0.012+/-0.000 χ^2/NDF:969761.4/56

Out: 0.012+/-0.000 χ^2/NDF:828794.6/61

All: 0.012+/-0.000 χ^2/NDF: 1810988.0/118



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: -0.915+/-0.000 χ^2/NDF: 17061950381.9/36

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

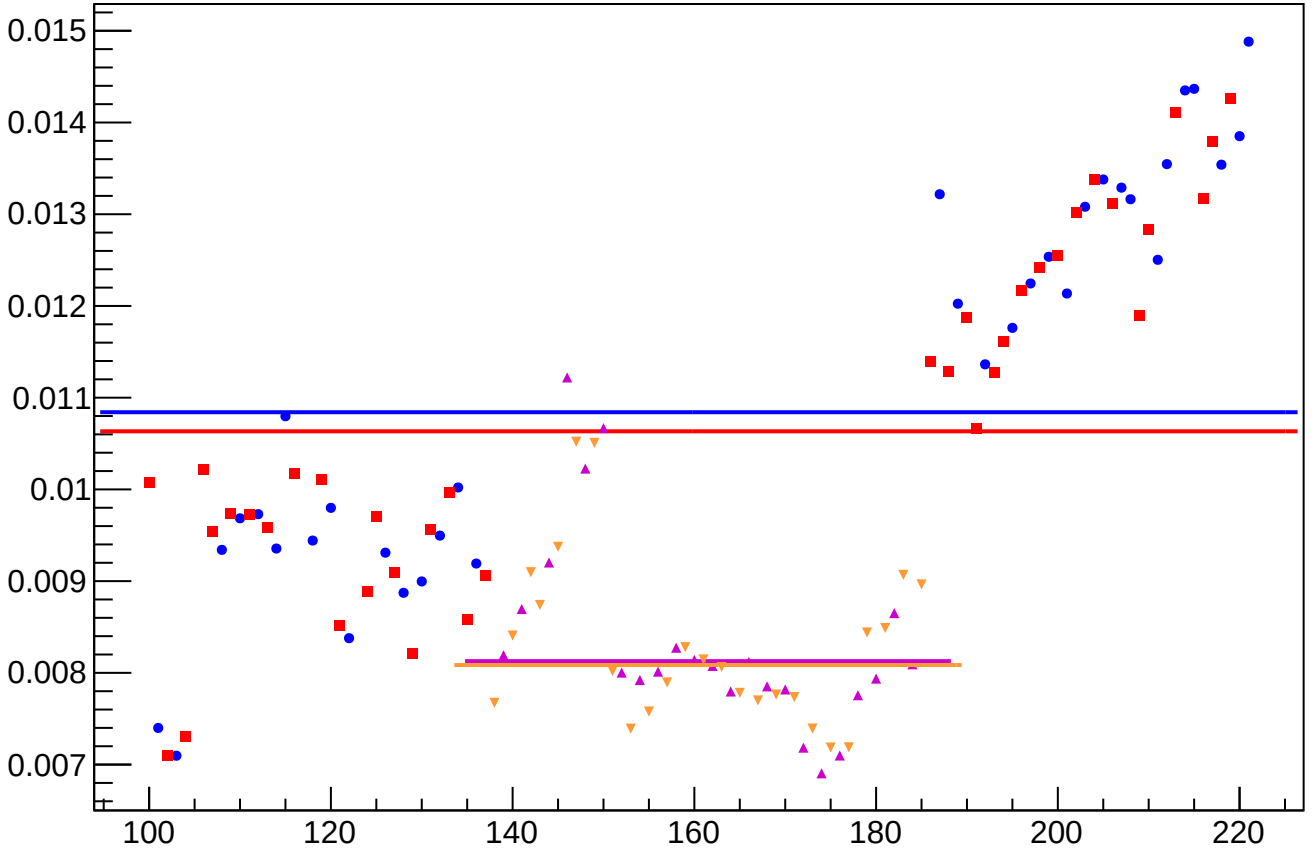
Right: -0.932+/-0.000 χ^2/NDF: 29887815362.4/70

In: -1.139+/-0.000 χ^2/NDF:26877896889.9/56

Out: -1.111+/-0.000 χ^2/NDF:33208754598.9/61

All: -1.125+/-0.000 χ^2/NDF: 60256677283.2/

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: 1563494.7/36

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

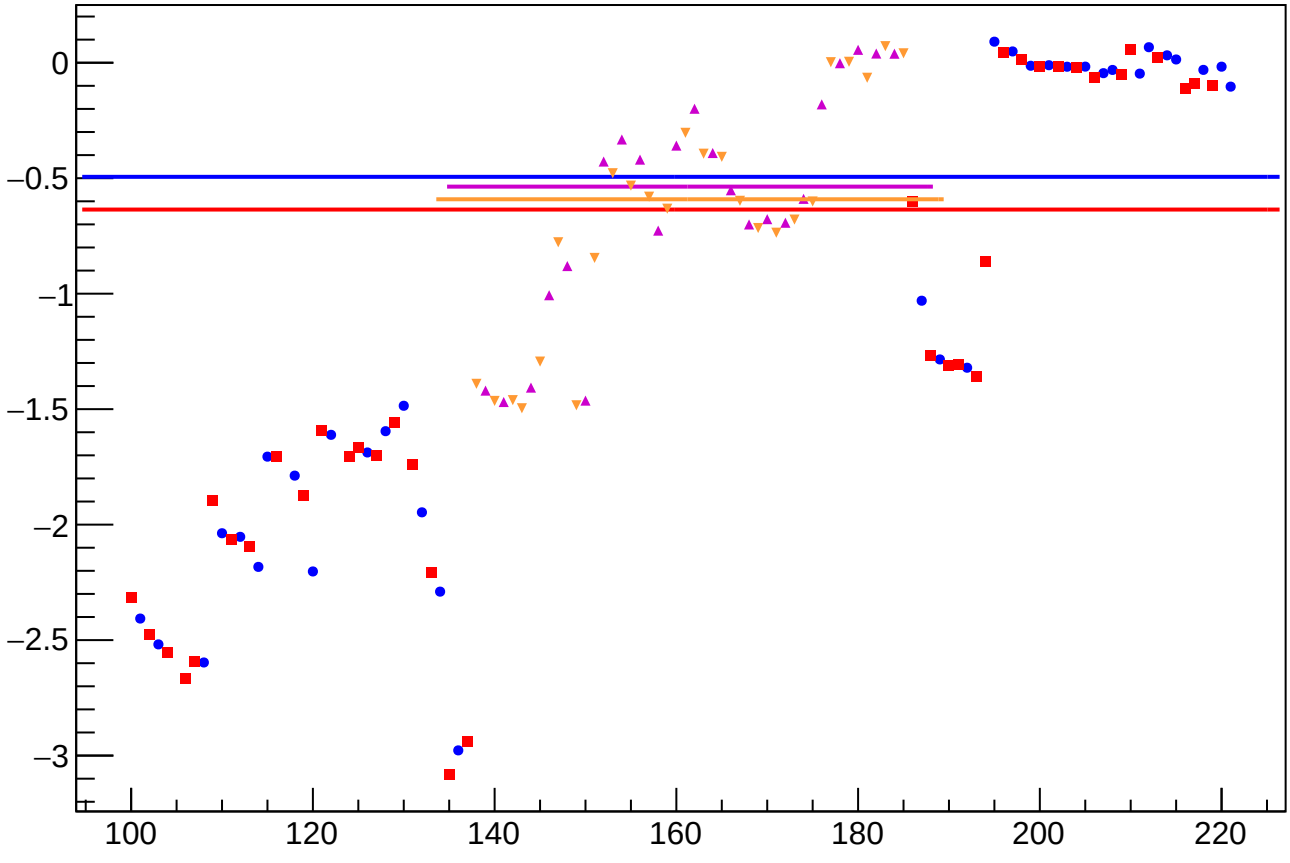
Right: 0.011+/-0.000 χ^2/NDF: 3431351.3/70

In: 0.009+/-0.000 χ^2/NDF:3806098.7/56

Out: 0.009+/-0.000 χ^2/NDF:3291977.3/61

All: 0.009+/-0.000 χ^2/NDF: 7106737.8/118

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: -0.636+/-0.000 χ^2/NDF: 447971516618.1/36

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

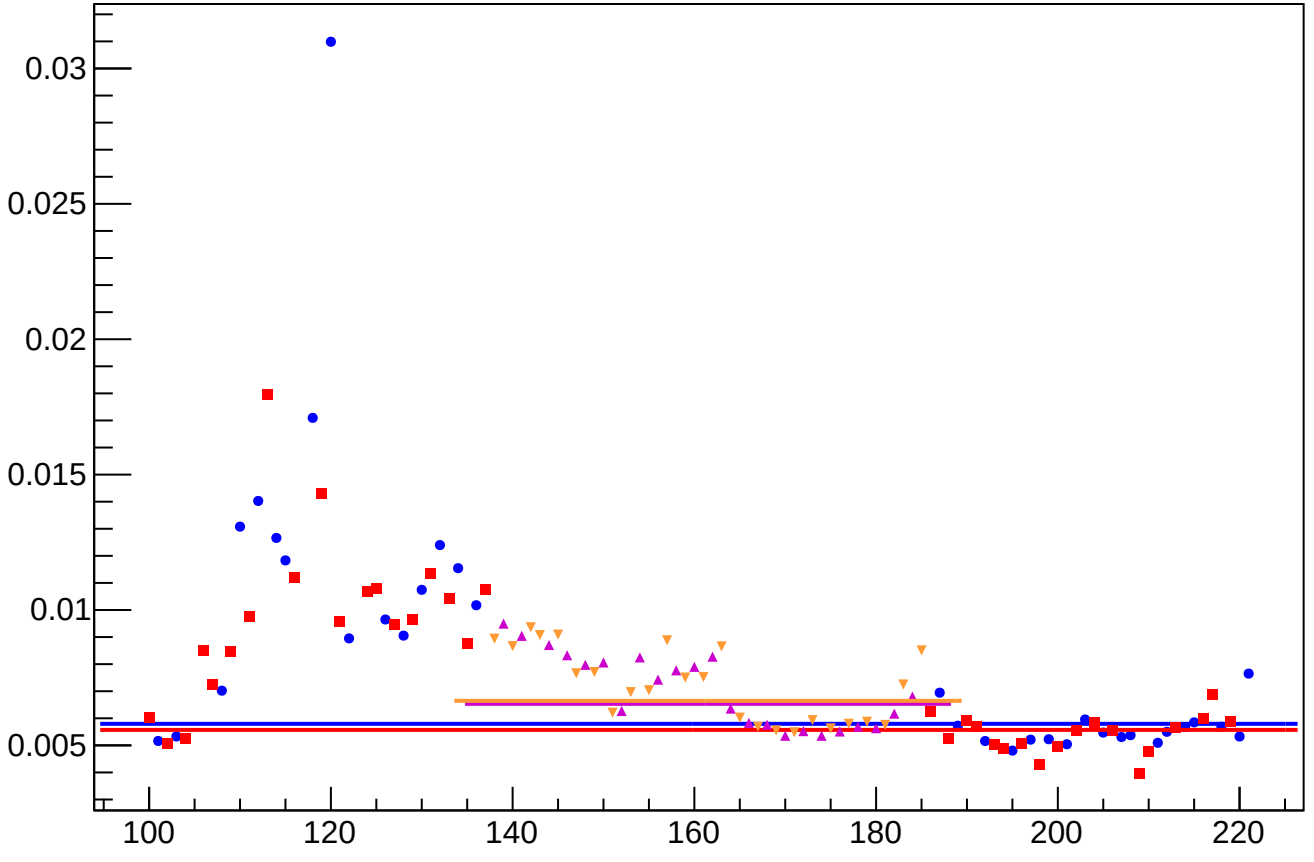
Right: -0.567+/-0.000 χ^2/NDF: 882841027738.9/70

In: -0.511+/-0.000 χ^2/NDF:499841519599.4/56

Out: -0.618+/-0.000 χ^2/NDF:521102263237.5/61

All: -0.566+/-0.000 χ^2/NDF: 1026254231756

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: 2750209.0/36

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

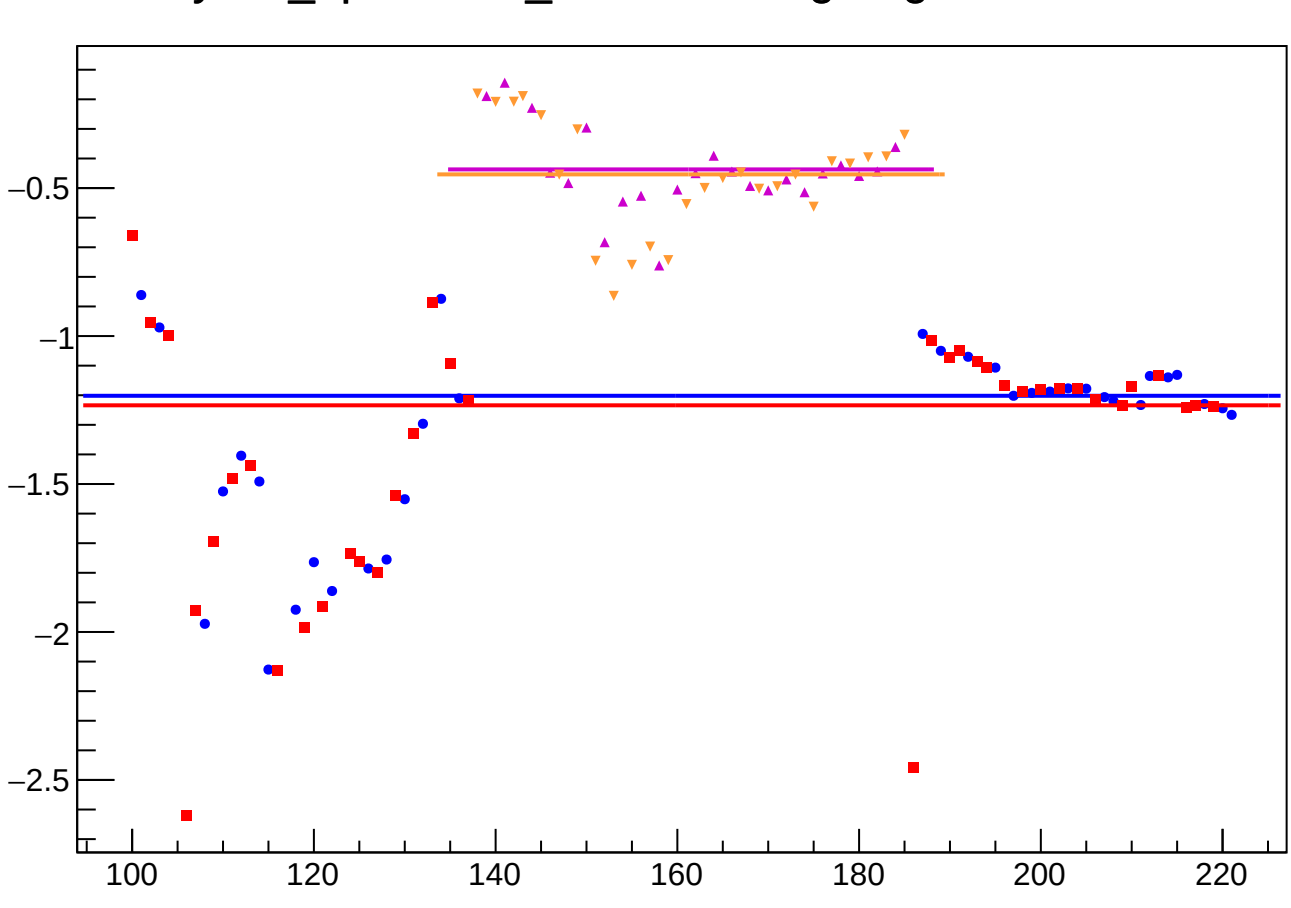
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5432258.0/70

In: 0.006+/-0.000 χ^2/NDF:4046244.1/56

Out: 0.006+/-0.000 χ^2/NDF:4368018.1/61

All: 0.006+/-0.000 χ^2/NDF: 8422916.7/118



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: -1.234+/-0.000 χ^2/NDF: 72816662258.6/36

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

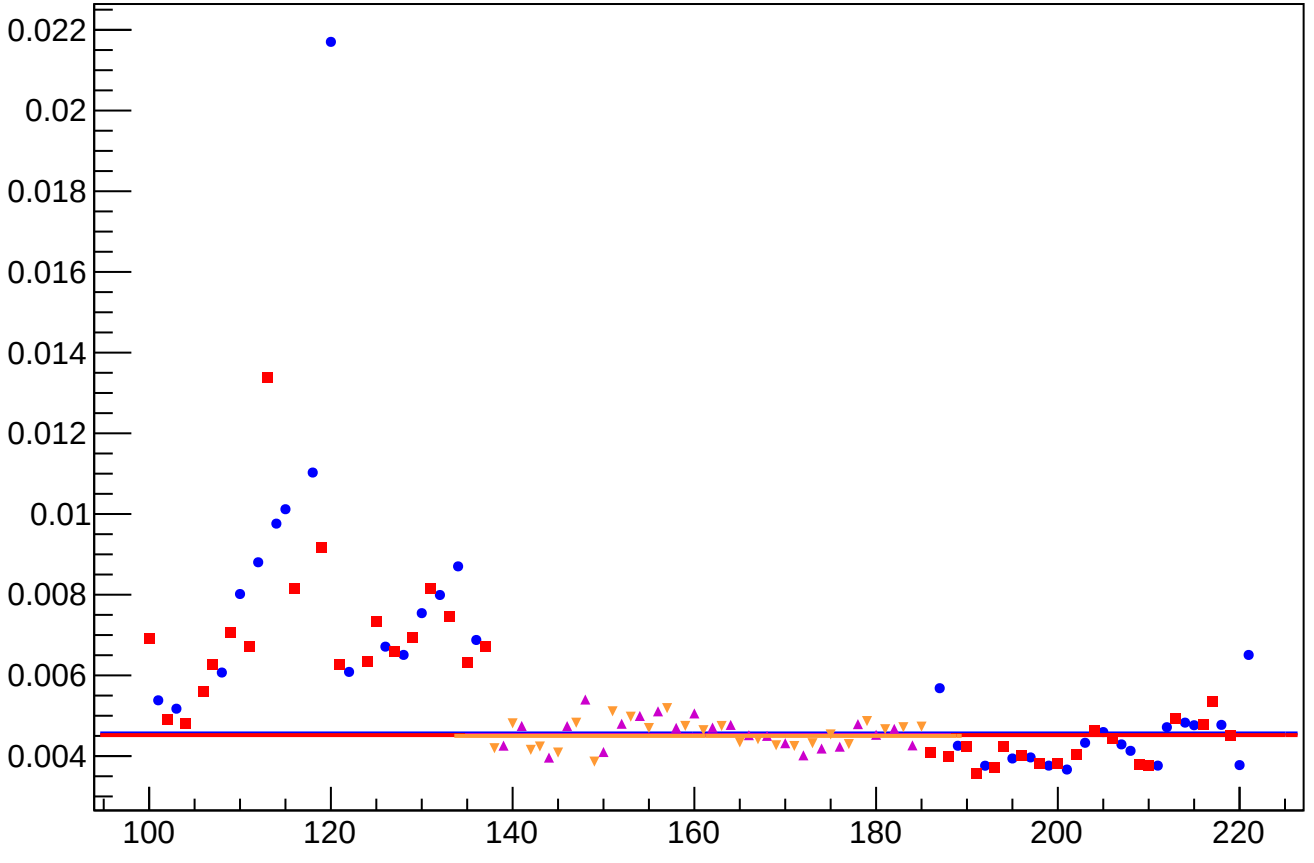
Right: -1.218+/-0.000 χ^2/NDF: 101144912077.4/70

In: -0.833+/-0.000 χ^2/NDF:291597702556.5/56

Out: -0.848+/-0.000 χ^2/NDF:369419246467.3/61

All: -0.841+/-0.000 χ^2/NDF: 661194901202.4

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: 2025589.5/36

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

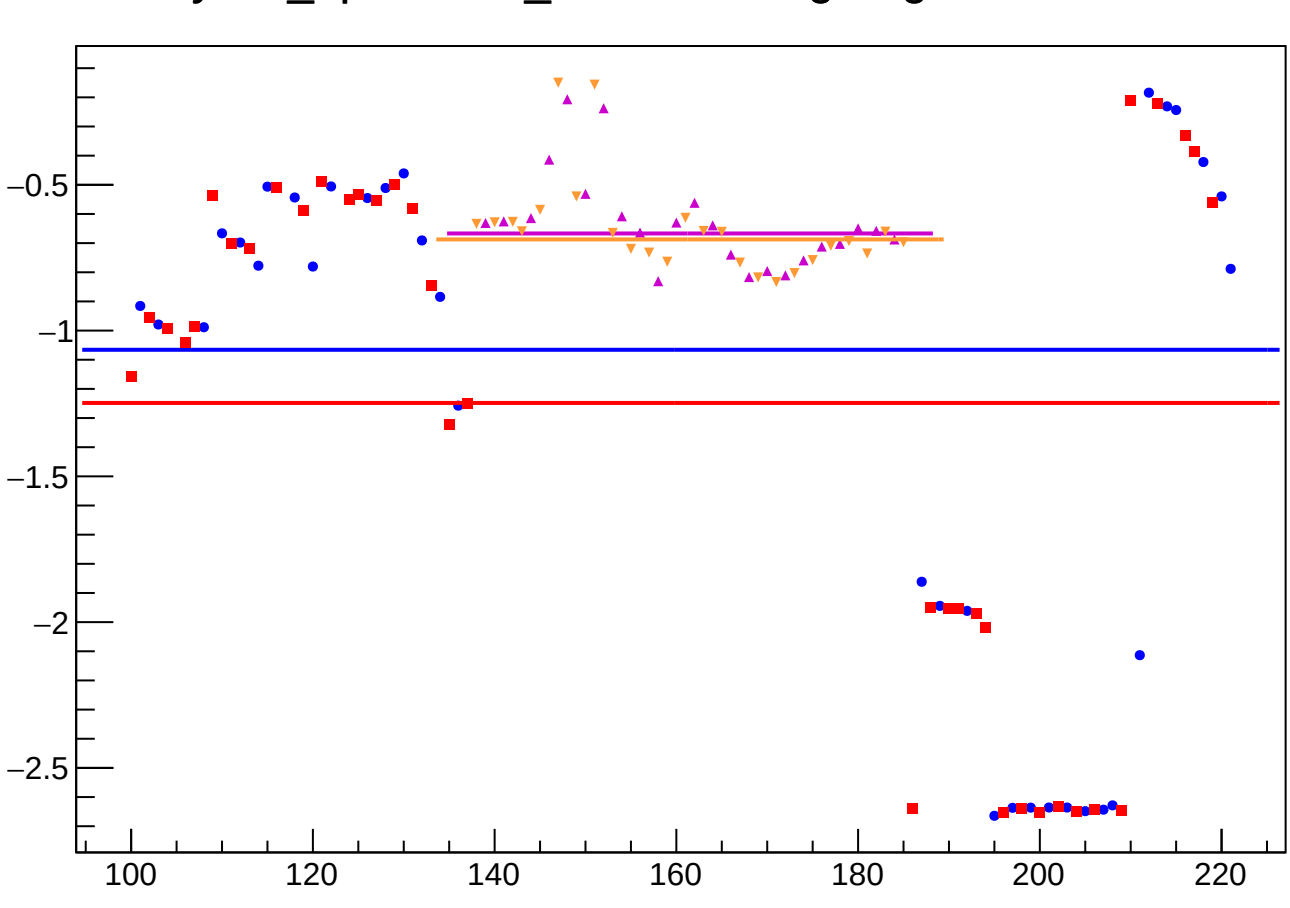
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 4492065.8/70

In: 0.005+/-0.000 χ^2/NDF:2678447.8/56

Out: 0.005+/-0.000 χ^2/NDF:2215143.0/61

All: 0.005+/-0.000 χ^2/NDF: 4895220.7/118



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: -1.248+/-0.000 χ^2/NDF: 767970838031.8/36

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

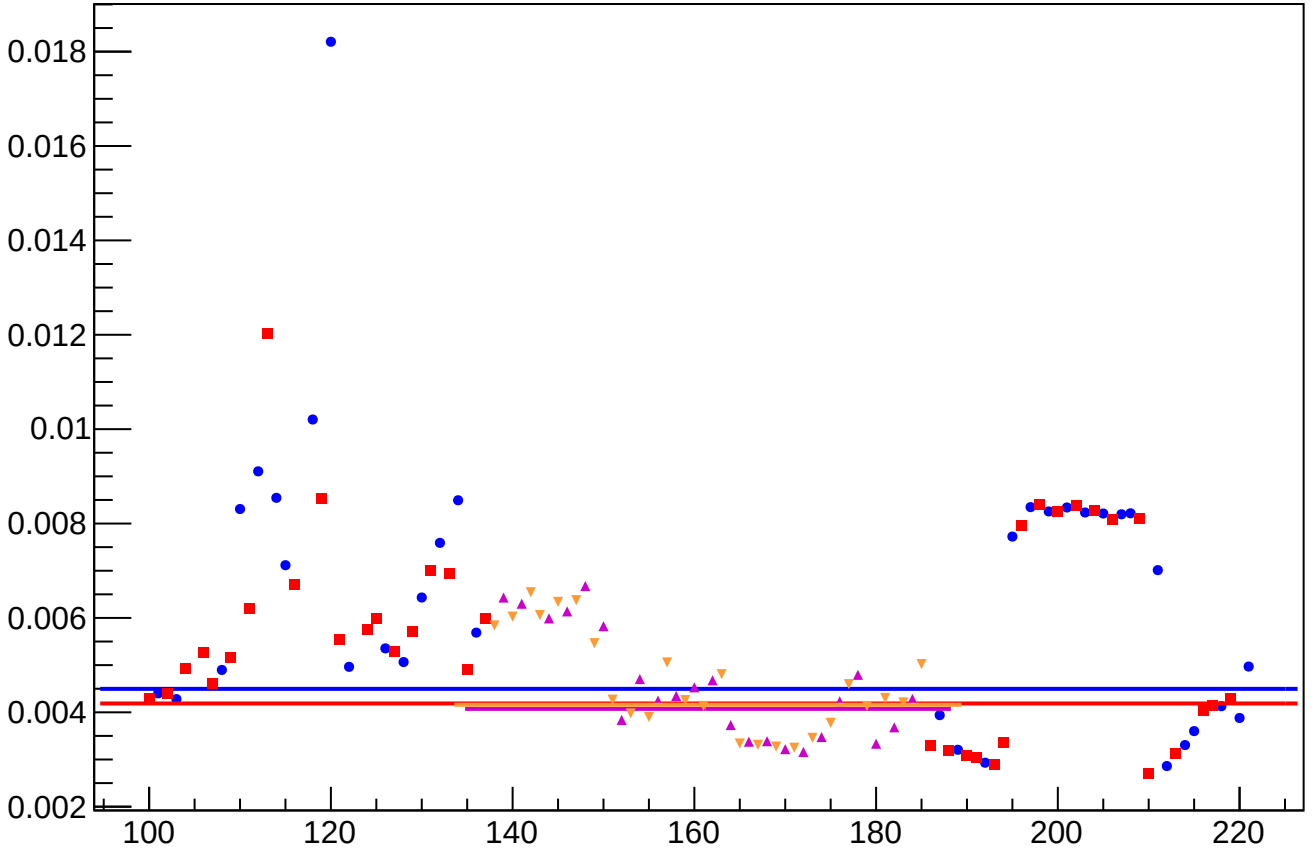
Right: -1.162+/-0.000 χ^2/NDF: 1430577396612.3/7

In: -0.857+/-0.000 χ^2/NDF:742097071162.1/56

Out: -0.970+/-0.000 χ^2/NDF:943286262125.9/61

All: -0.915+/-0.000 χ^2/NDF: 1697291808027

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: 5568237.2/36

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

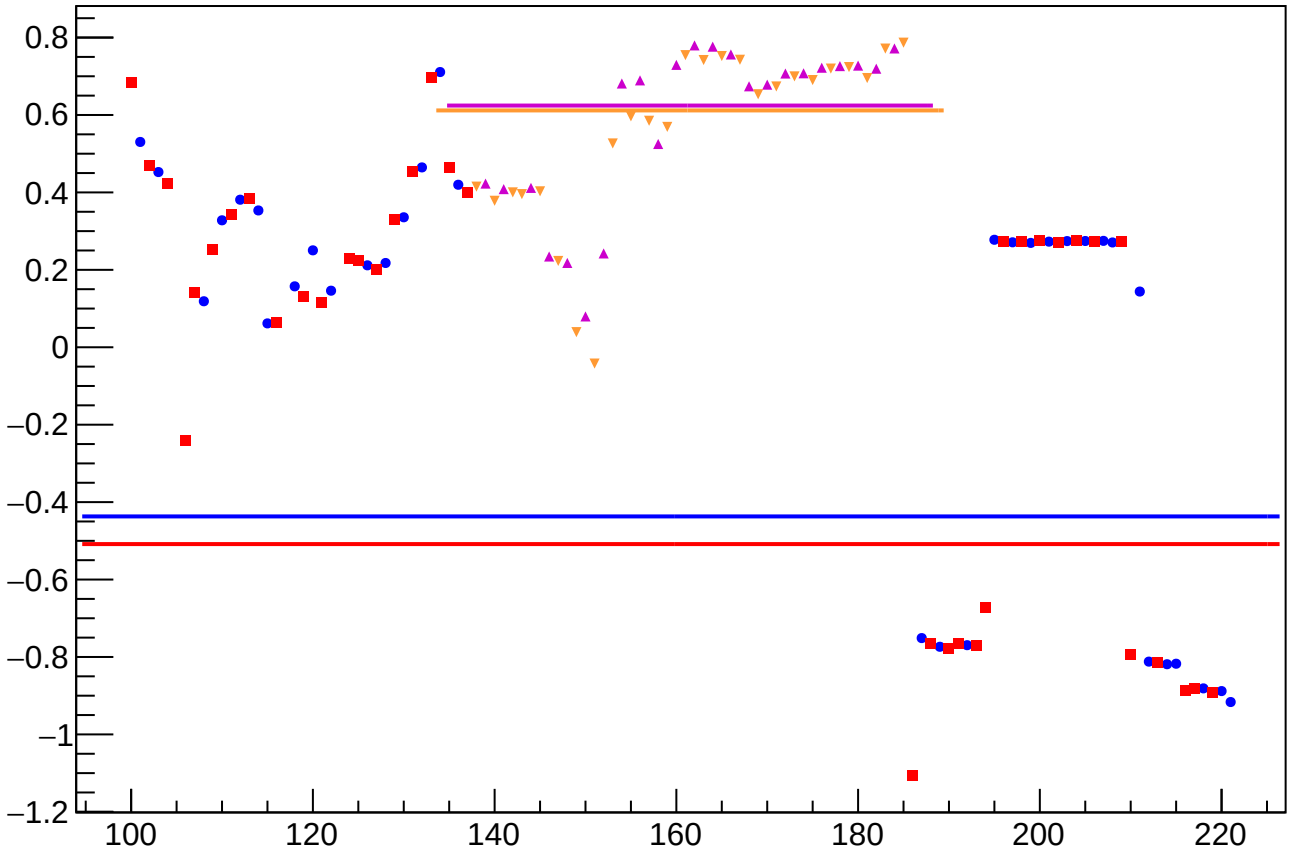
Right: 0.004+/-0.000 χ^2/NDF: 11584753.0/70

In: 0.004+/-0.000 χ^2/NDF:7841936.4/56

Out: 0.004+/-0.000 χ^2/NDF:7088987.3/61

All: 0.004+/-0.000 χ^2/NDF: 14950099.8/118

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: -0.508+/-0.000 χ^2/NDF: 665363346548.6/36

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

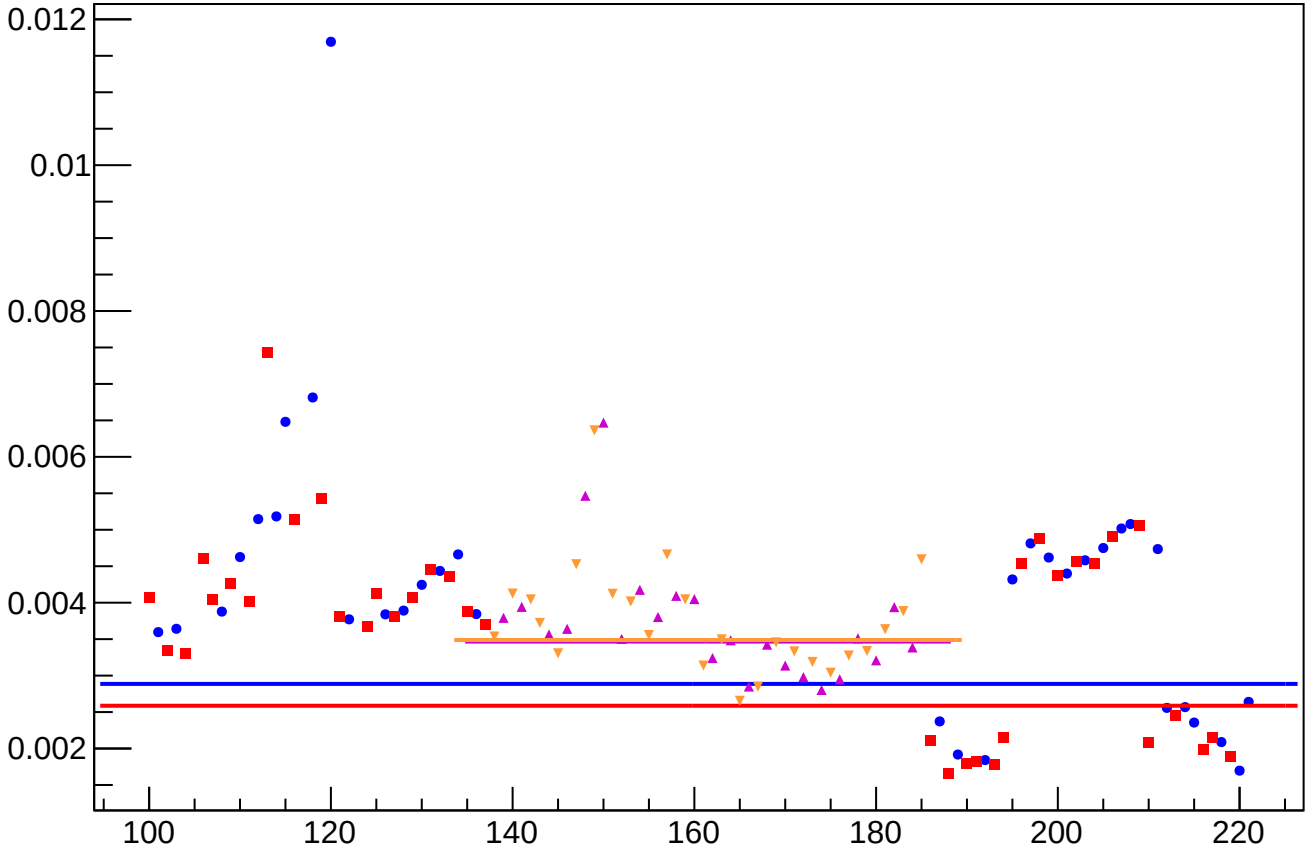
Right: -0.476+/-0.000 χ^2/NDF: 1298766320990.9/7

In: -0.033+/-0.000 χ^2/NDF:1552243861558.4/56

Out: -0.122+/-0.000 χ^2/NDF:1795330621802.4/61

All: -0.081+/-0.000 χ^2/NDF: 3361621149531

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: 5961545.7/36

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

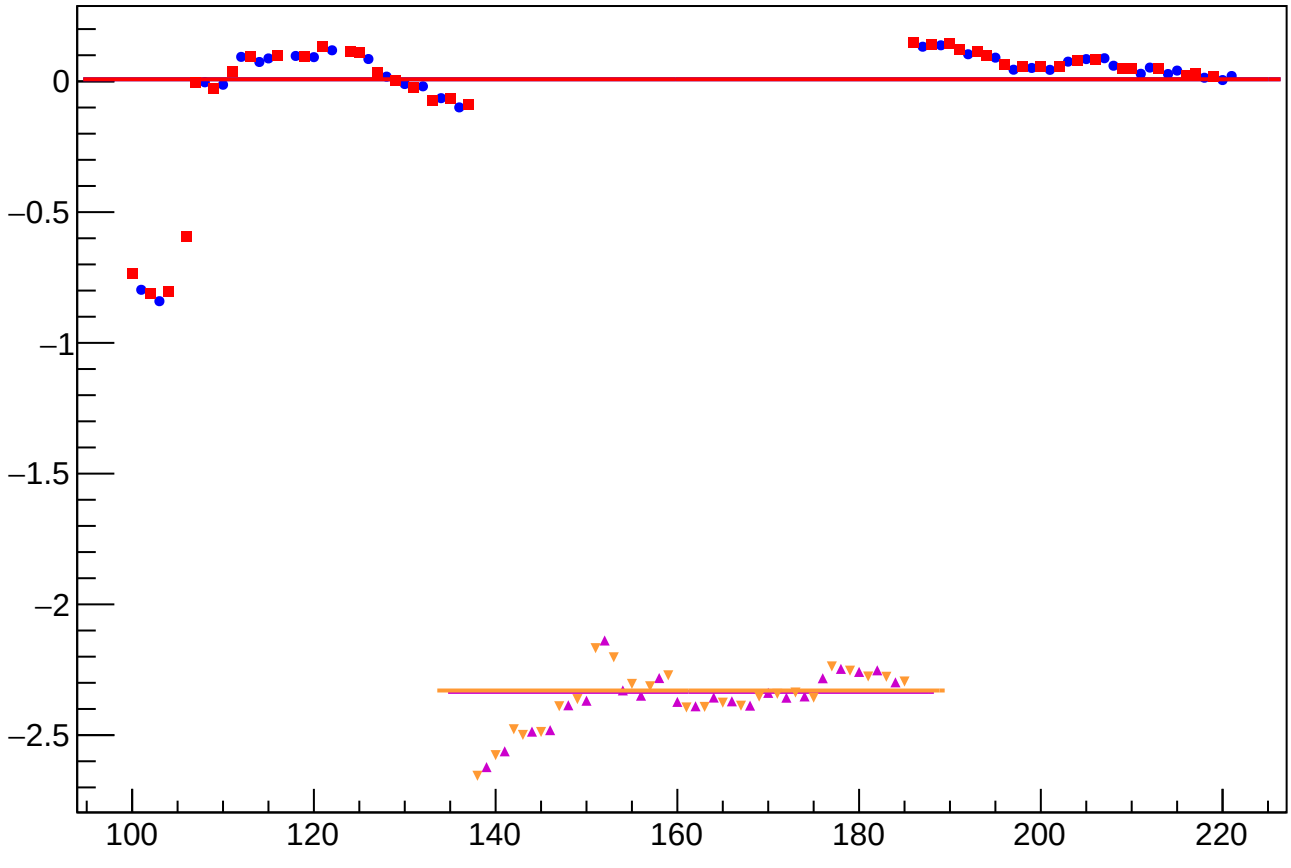
Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

Right: 0.003+/-0.000 χ^2/NDF: 11984115.3/70

In: 0.003+/-0.000 χ^2/NDF:7242983.9/56

Out: 0.003+/-0.000 χ^2/NDF:8216566.8/61

All: 0.003+/-0.000 χ^2/NDF: 15615985.2/118



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: 7841646323.4/36

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

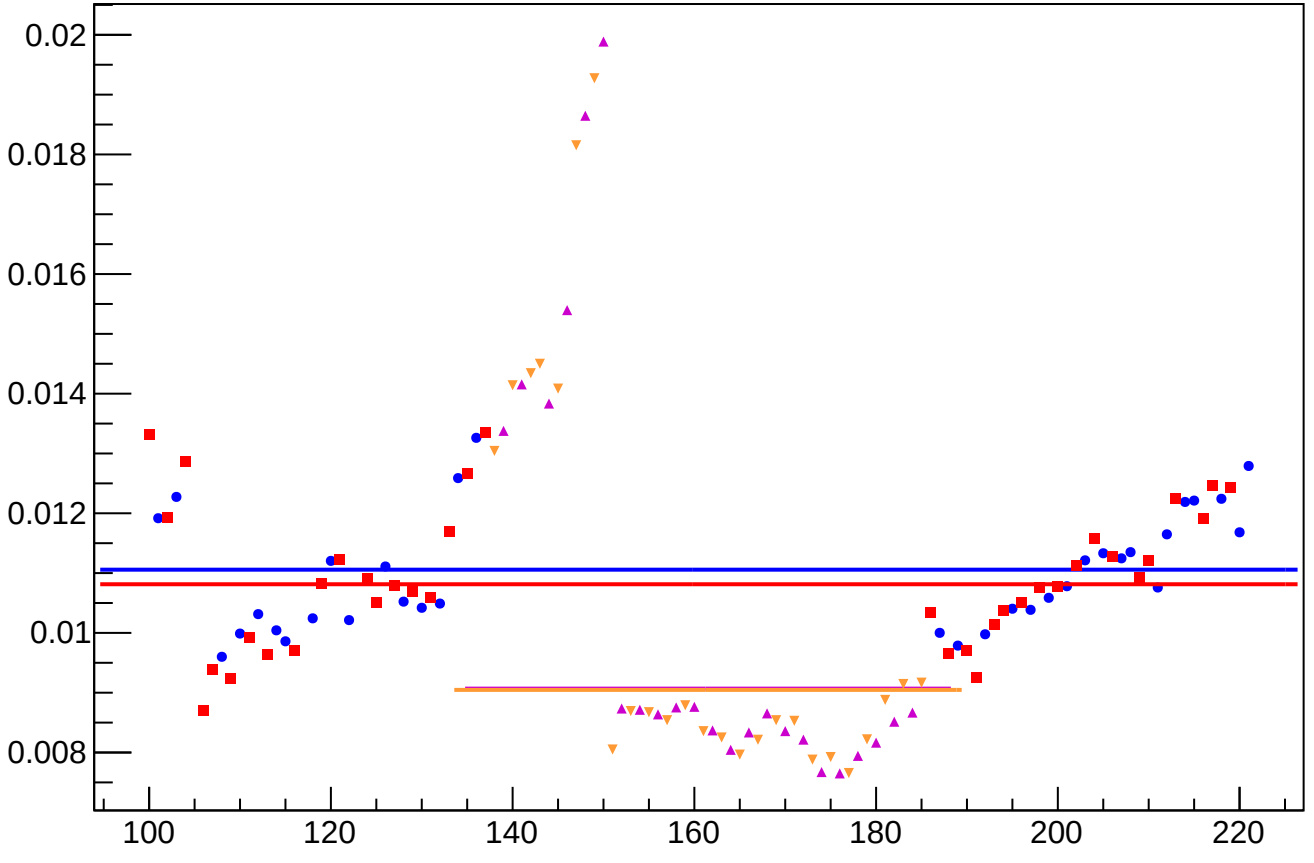
Right: 0.008+/-0.000 χ^2/NDF: 14419450701.3/70

In: -1.256+/-0.000 χ^2/NDF:535310974740.5/56

Out: -1.280+/-0.000 χ^2/NDF:554907628747.7/61

All: -1.268+/-0.000 χ^2/NDF: 1090326181992

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: 370148.3/36

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

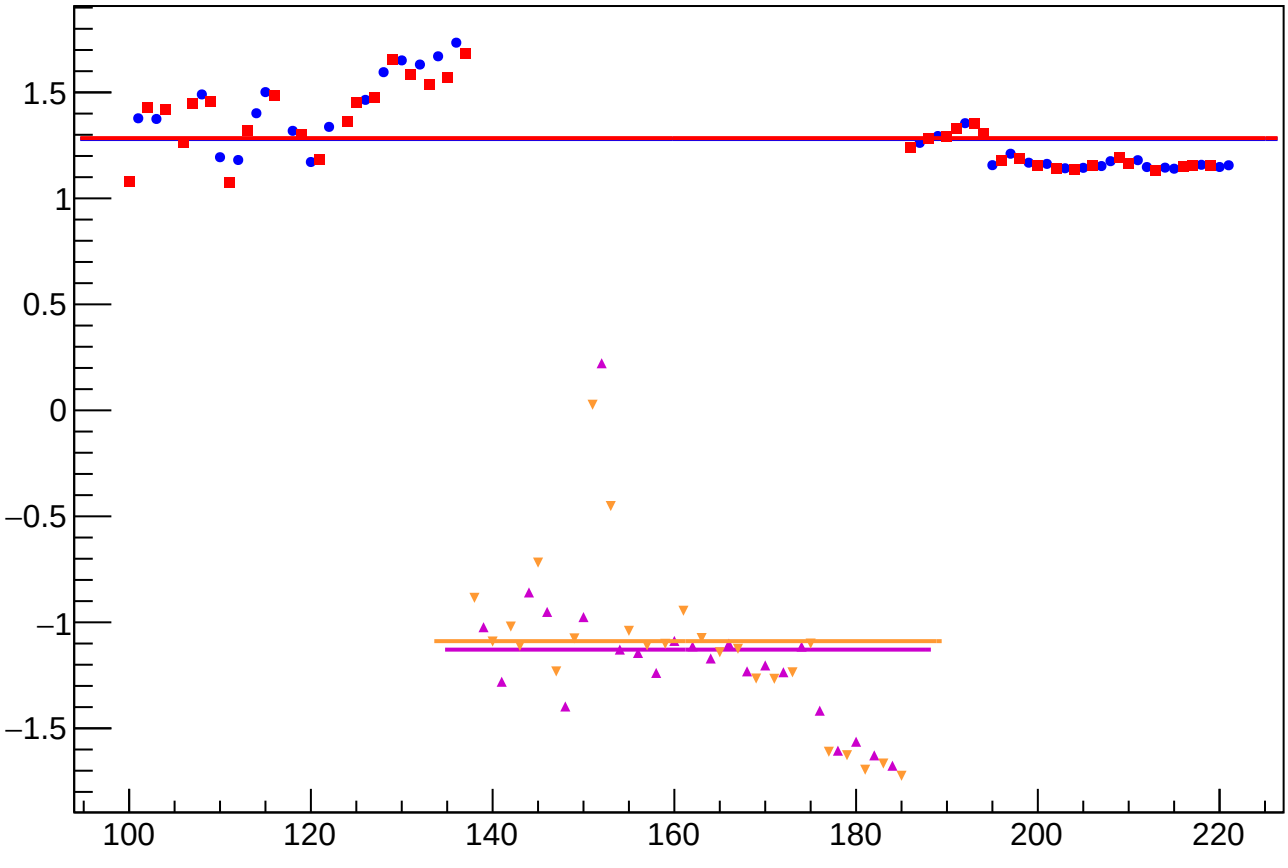
Right: 0.011+/-0.000 χ^2/NDF: 681410.1/70

In: 0.010+/-0.000 χ^2/NDF:3194661.7/56

Out: 0.010+/-0.000 χ^2/NDF:3041568.3/61

All: 0.010+/-0.000 χ^2/NDF: 6244338.6/118

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: 1.284+/-0.000 χ^2/NDF: 7729288621.8/36

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

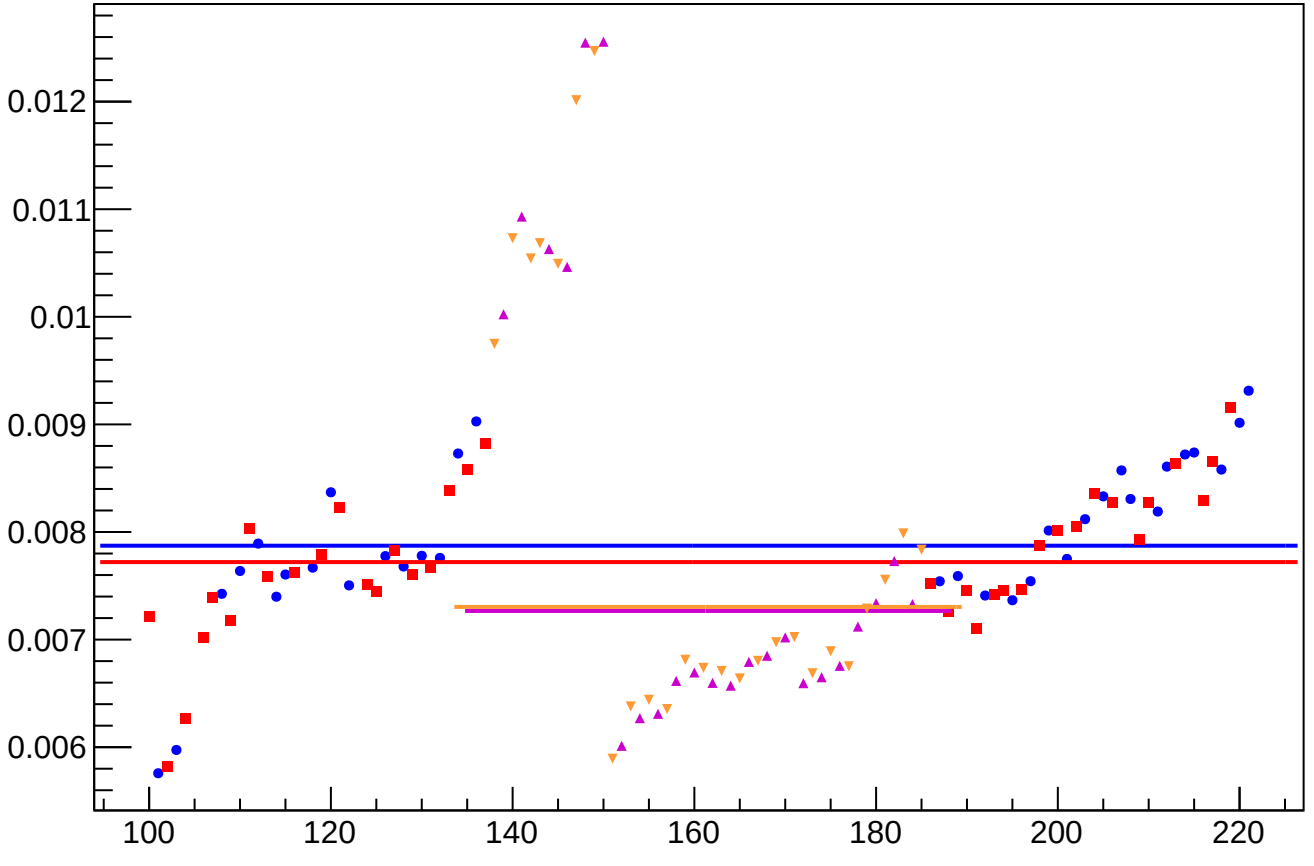
Right: 1.282+/-0.000 χ^2/NDF: 17829327394.6/70

In: 0.109+/-0.000 χ^2/NDF:1055458272885.2/56

Out: 0.115+/-0.000 χ^2/NDF:1058077212471.1/61

All: 0.112+/-0.000 χ^2/NDF: 2113545902021.

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: 379096.9/36

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

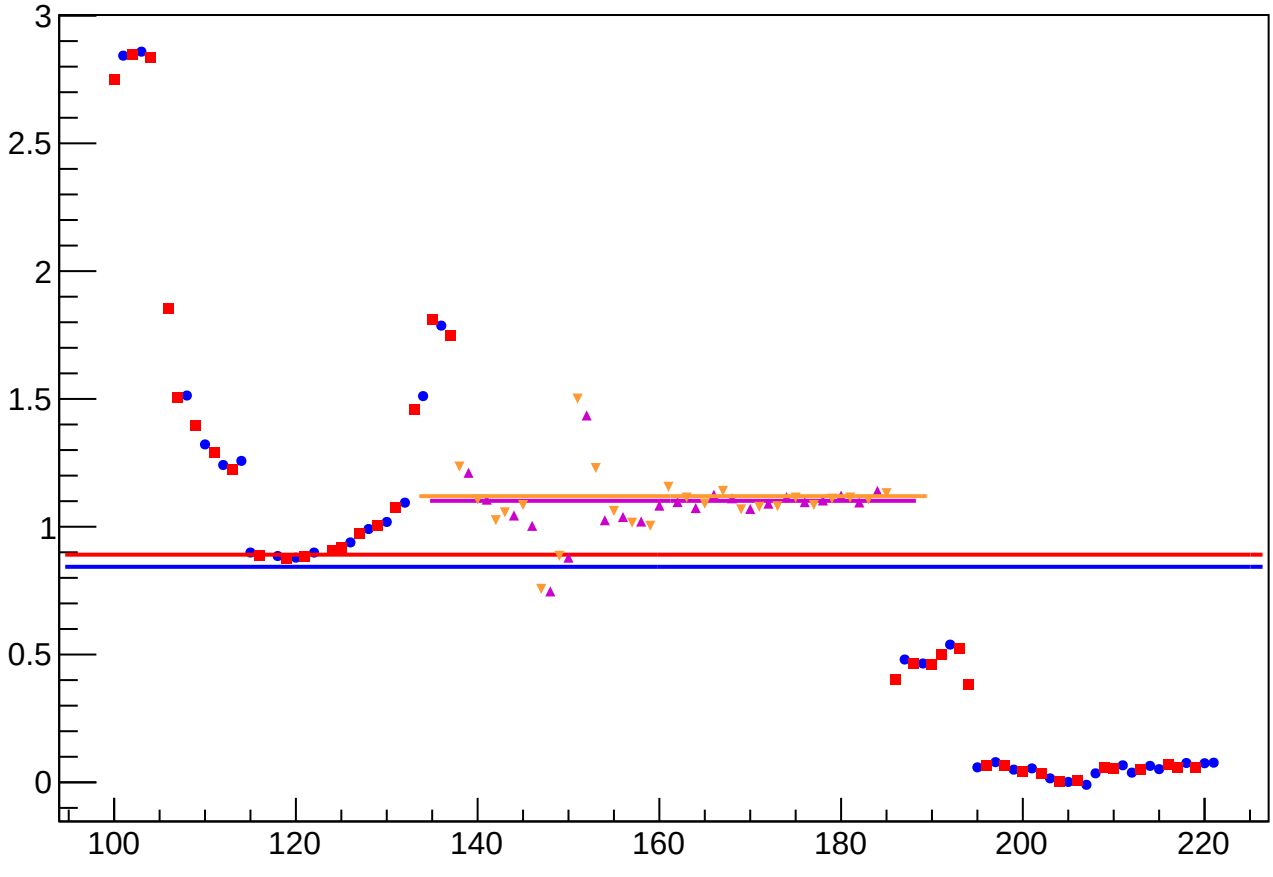
Right: 0.008+/-0.000 χ^2/NDF: 913050.8/70

In: 0.008+/-0.000 χ^2/NDF:2210893.2/56

Out: 0.008+/-0.000 χ^2/NDF:1944238.1/61

All: 0.008+/-0.000 χ^2/NDF: 4157873.5/118

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: 0.891+/-0.000 χ^2/NDF: 158683317902.1/36

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

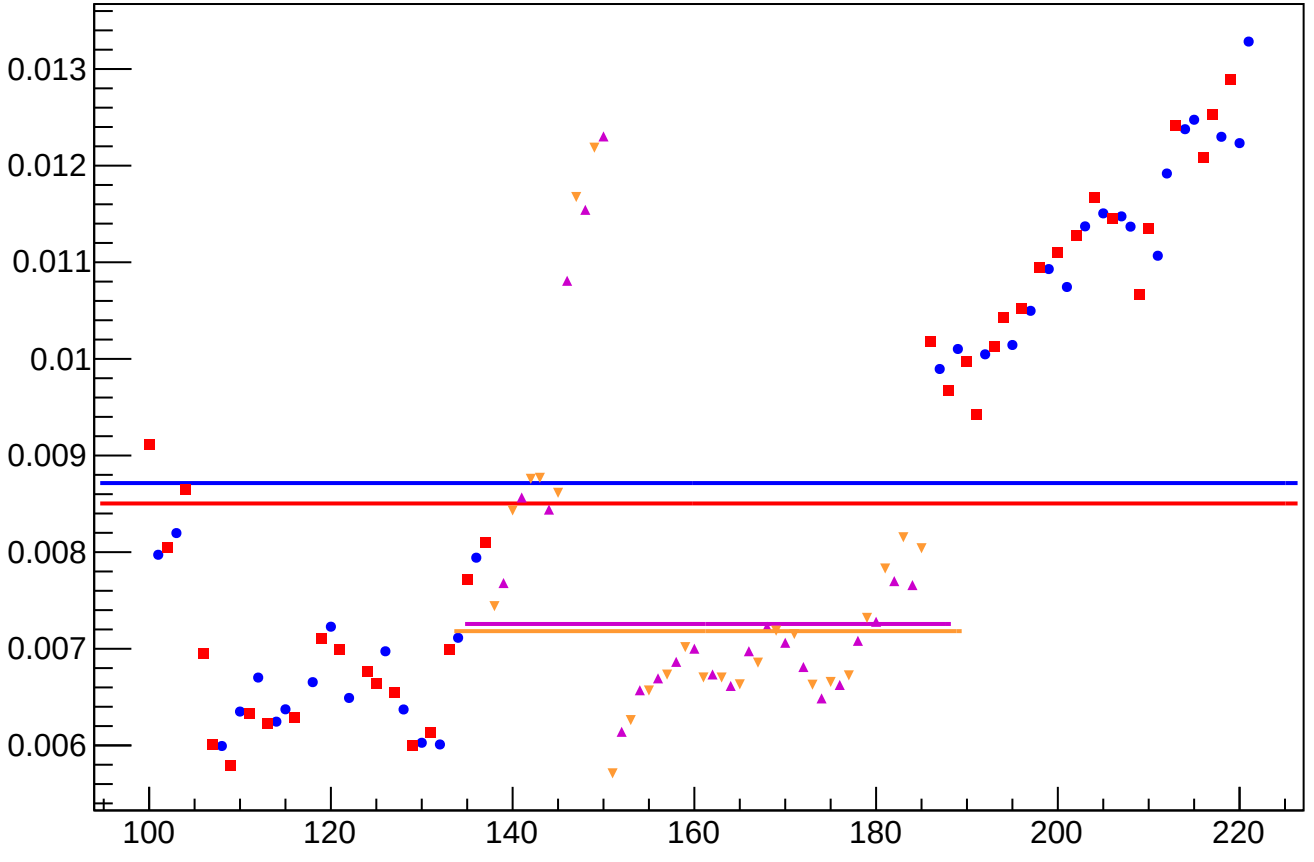
Right: 0.867+/-0.000 χ^2/NDF: 327276458350.4/70

In: 0.986+/-0.000 χ^2/NDF:182393613901.7/56

Out: 1.020+/-0.000 χ^2/NDF:172364858637.3/61

All: 1.003+/-0.000 χ^2/NDF: 355115020446.1

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: 2847572.2/36

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

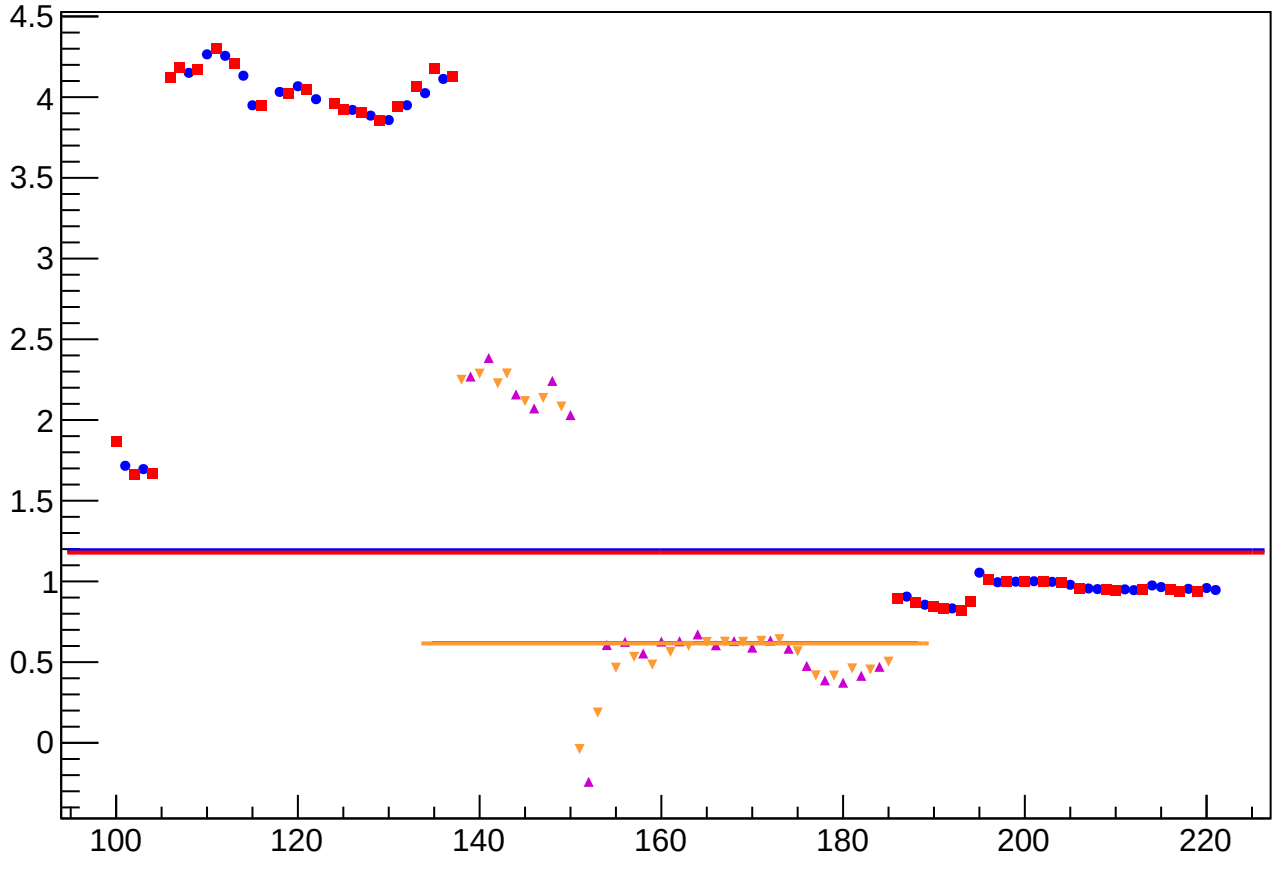
Right: 0.009+/-0.000 χ^2/NDF: 5871015.4/70

In: 0.008+/-0.000 χ^2/NDF:4560241.6/56

Out: 0.008+/-0.000 χ^2/NDF:4285435.9/61

All: 0.008+/-0.000 χ^2/NDF: 8859665.2/118

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: 1.179+/-0.000 χ^2/NDF: 1813031691916.1/36

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

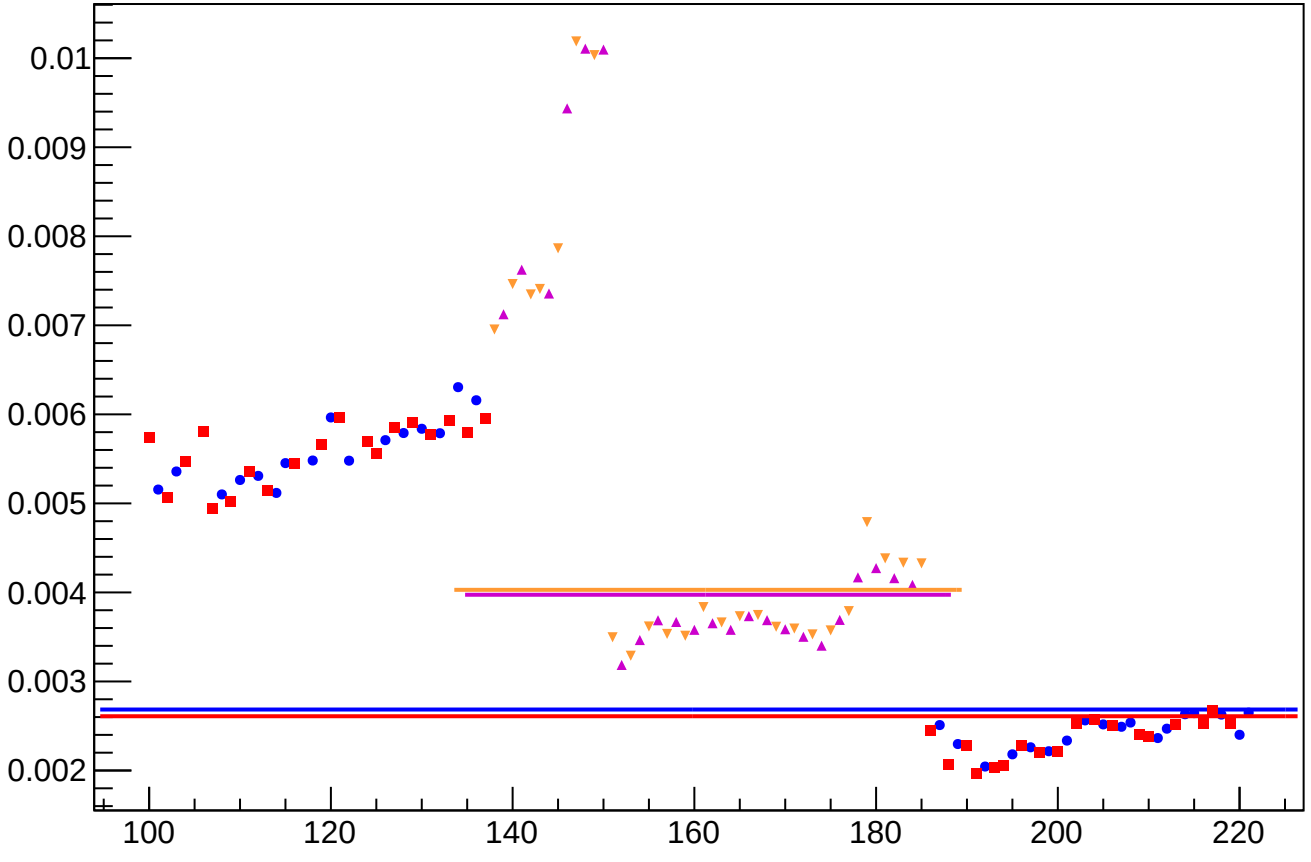
Right: 1.186+/-0.000 χ^2/NDF: 3478061109534.9/70

In: 1.030+/-0.000 χ^2/NDF:2162244531901.2/56

Out: 1.018+/-0.000 χ^2/NDF:2304074339273.0/61

All: 1.024+/-0.000 χ^2/NDF: 4466572701028.

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: 4716923.2/36

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

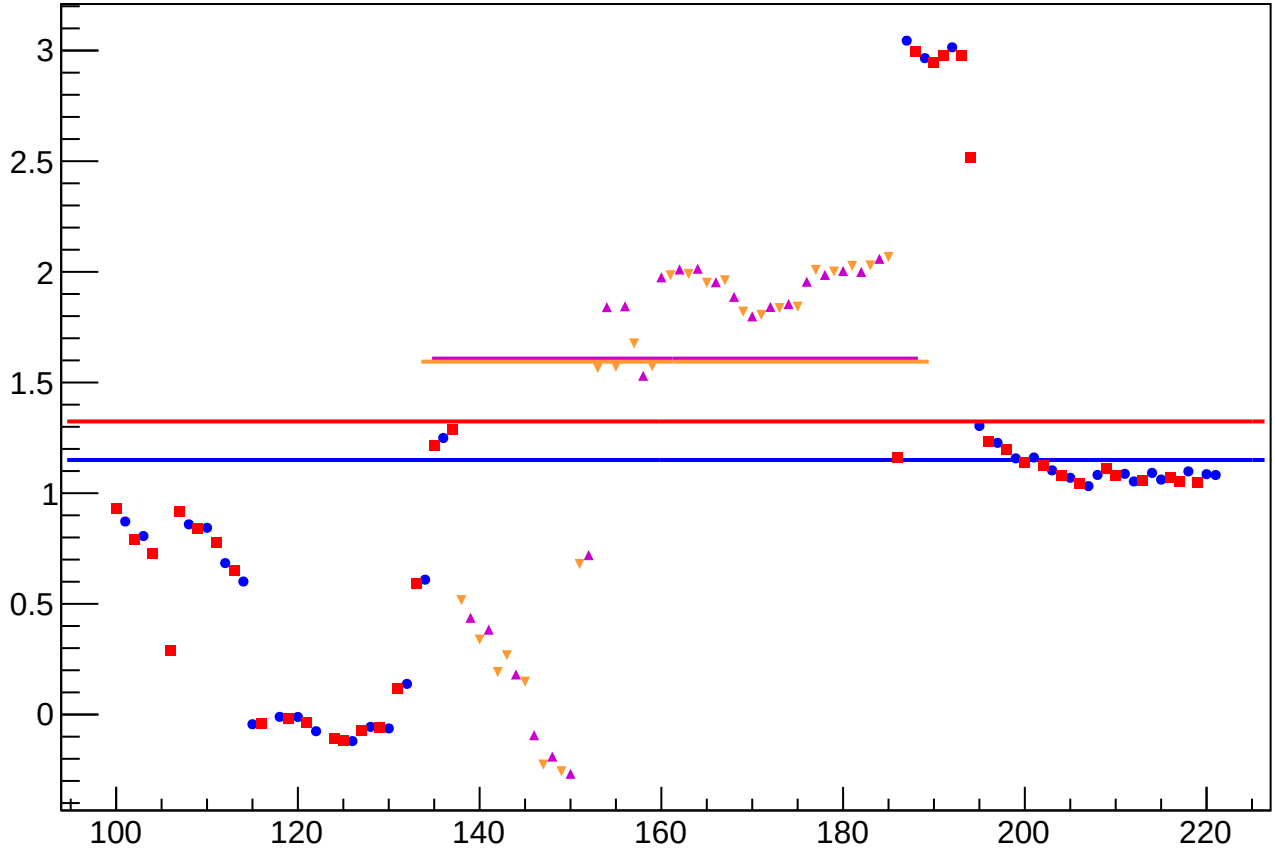
Right: 0.003+/-0.000 χ^2/NDF: 9184151.0/70

In: 0.003+/-0.000 χ^2/NDF:10019466.3/56

Out: 0.003+/-0.000 χ^2/NDF:10728433.3/61

All: 0.003+/-0.000 χ^2/NDF: 20752843.5/118

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: 1.324+/-0.000 χ^2/NDF: 107823288008.4/36

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

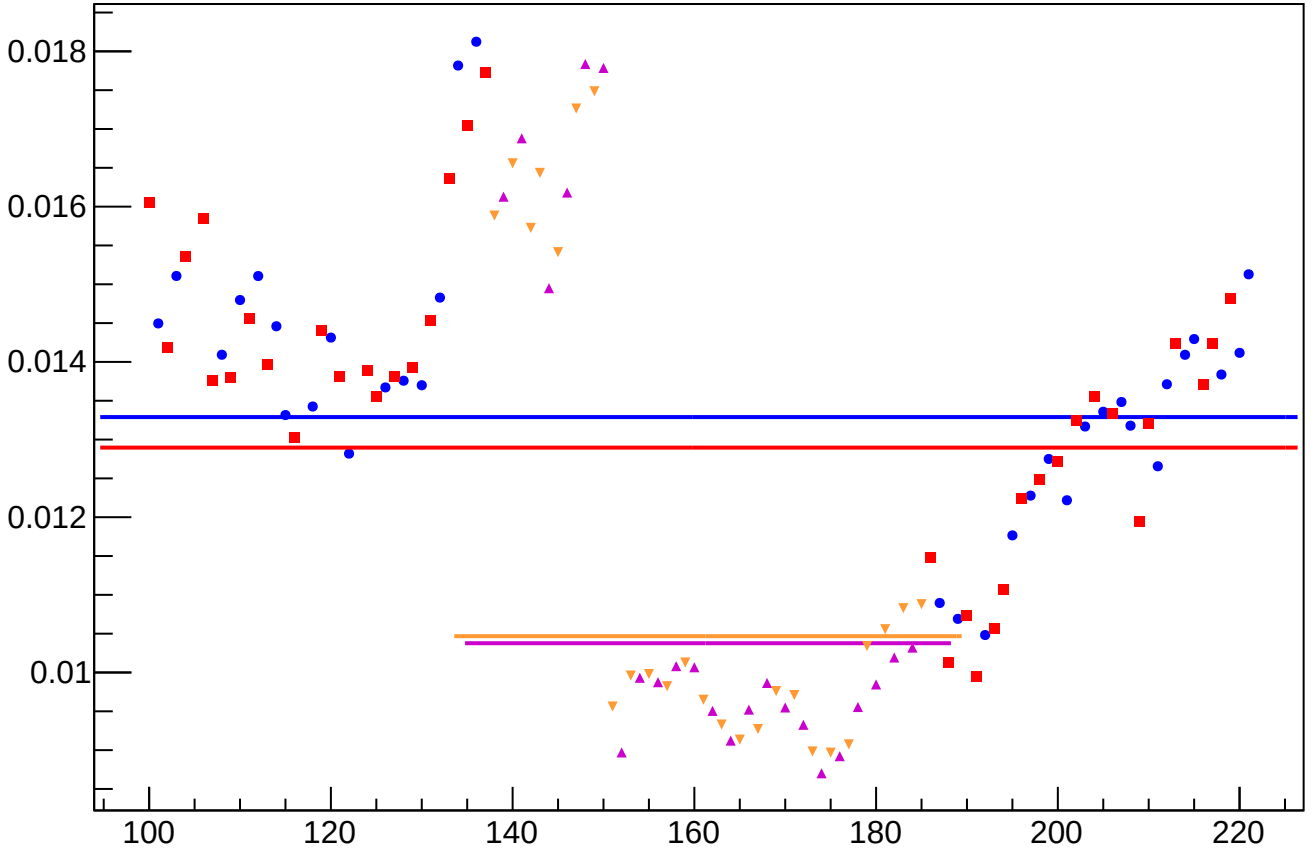
Right: 1.238+/-0.000 χ^2/NDF: 187660842237.7/70

In: 1.411+/-0.000 χ^2/NDF:158897694670.0/56

Out: 1.478+/-0.000 χ^2/NDF:175671198126.2/61

All: 1.445+/-0.000 χ^2/NDF: 335231247567.5

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: 688750.6/36

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

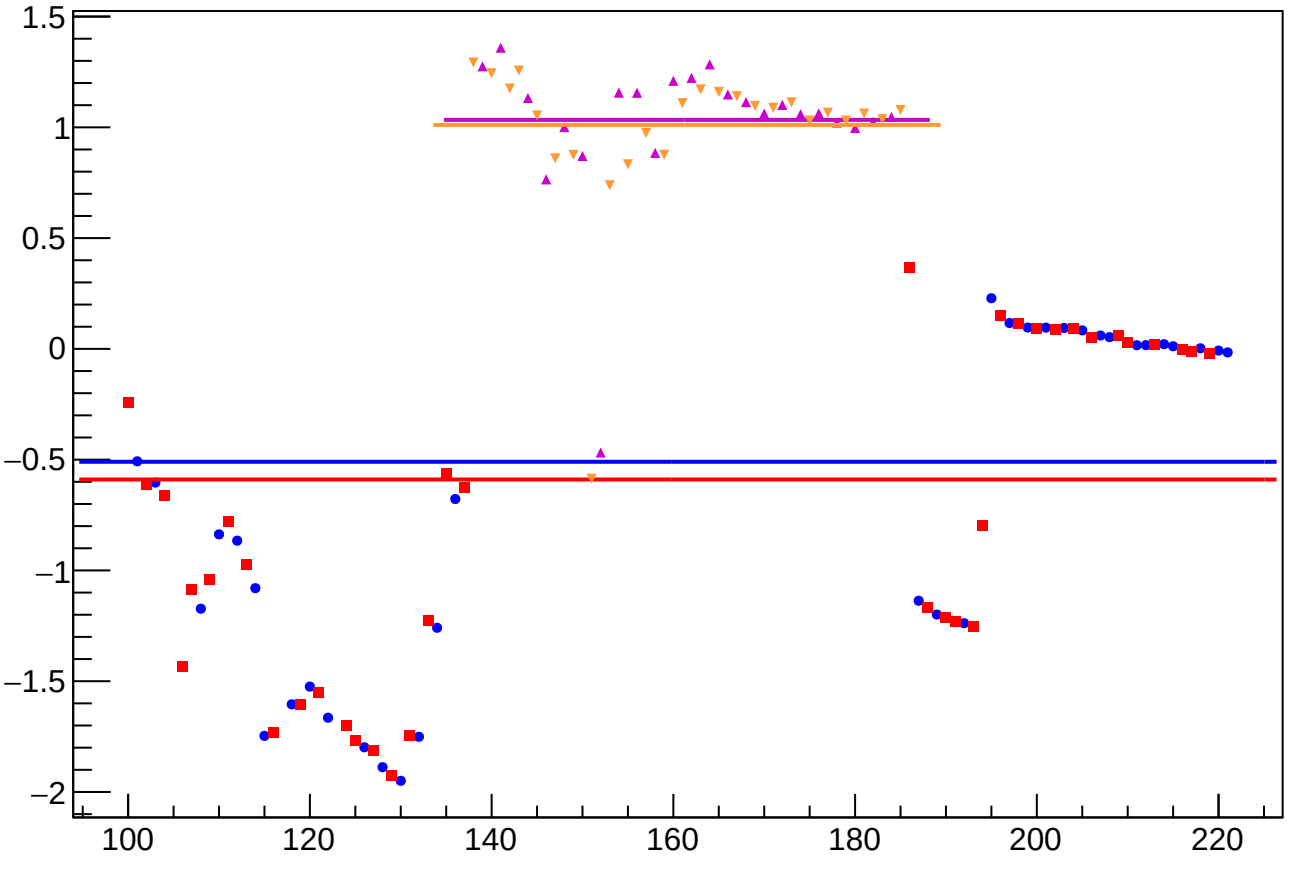
Right: 0.013+/-0.000 χ^2/NDF: 1281705.0/70

In: 0.012+/-0.000 χ^2/NDF:3459738.4/56

Out: 0.012+/-0.000 χ^2/NDF:3193682.8/61

All: 0.012+/-0.000 χ^2/NDF: 6657880.0/118

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: -0.590+/-0.000 χ^2/NDF: 210204752852.4/36

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

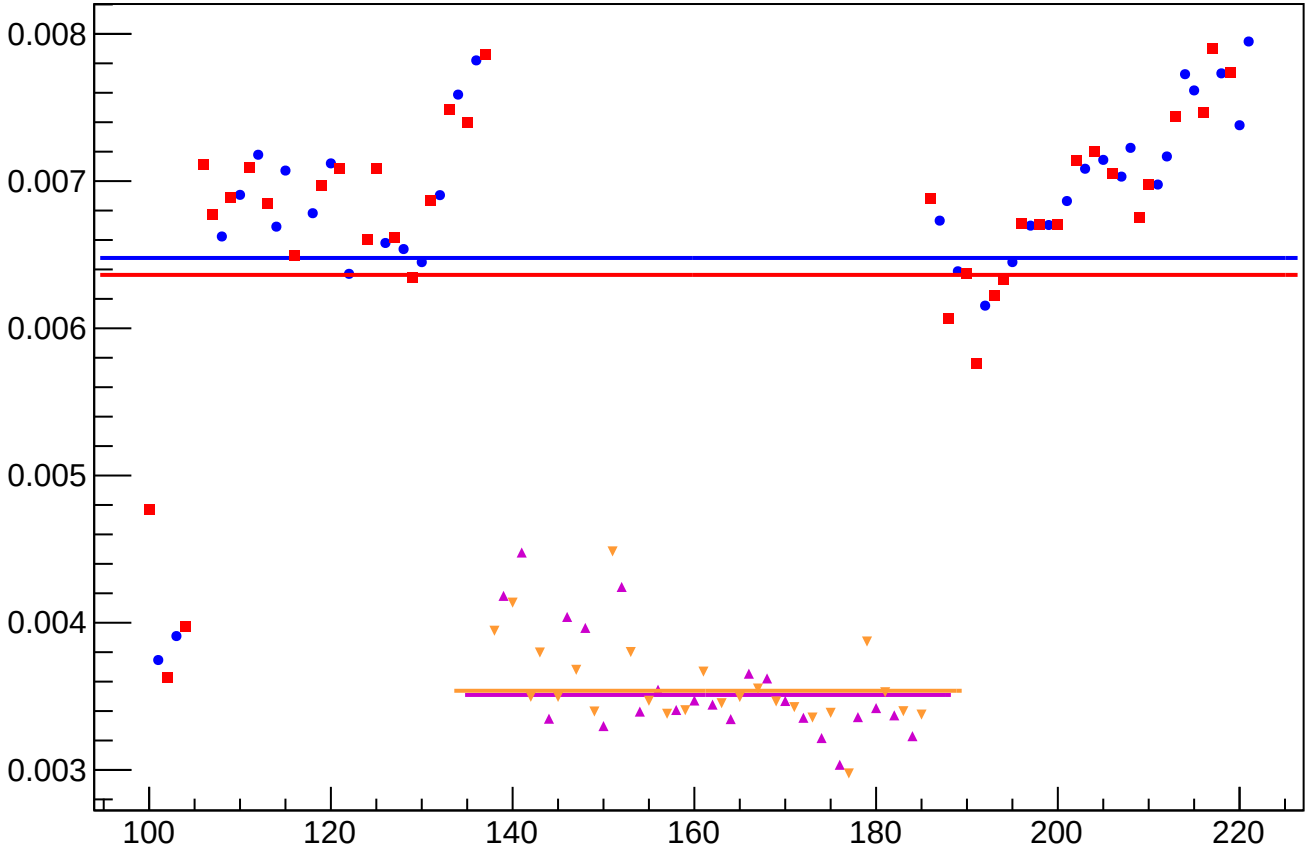
Right: -0.550+/-0.000 χ^2/NDF: 438255450174.4/70

In: 0.624+/-0.000 χ^2/NDF:1201690965746.5/56

Out: 0.598+/-0.000 χ^2/NDF:1250015439445.1/61

All: 0.611+/-0.000 χ^2/NDF: 2452355543710.

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: 1460810.8/36

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

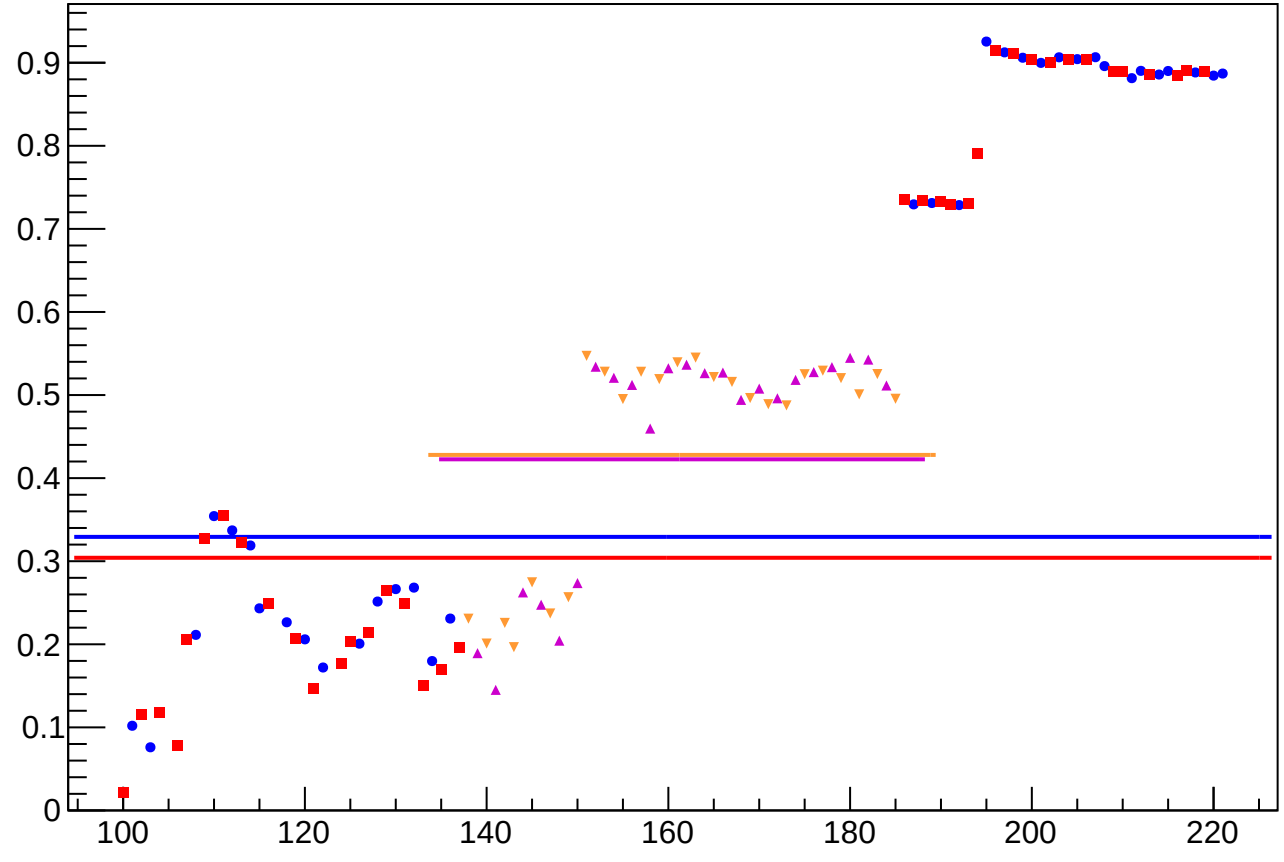
Right: 0.006+/-0.000 χ^2/NDF: 2983859.9/70

In: 0.004+/-0.000 χ^2/NDF:8089999.7/56

Out: 0.004+/-0.000 χ^2/NDF:7463615.0/61

All: 0.004+/-0.000 χ^2/NDF: 15555294.3/118

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: 0.304+/-0.000 χ^2/NDF: 269881323533.4/36

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

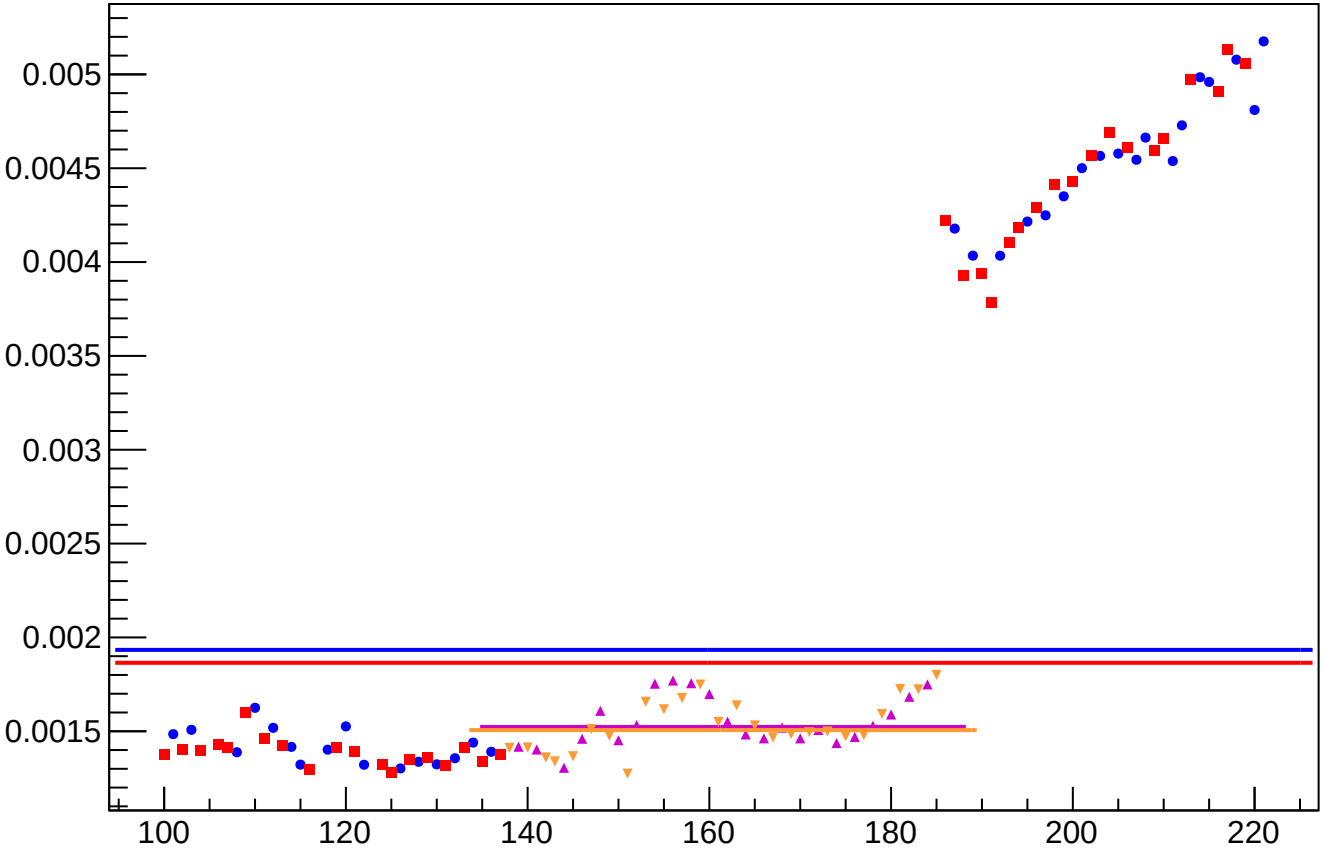
Right: 0.316+/-0.000 χ^2/NDF: 542796219266.5/70

In: 0.390+/-0.000 χ^2/NDF:453452734922.2/56

Out: 0.385+/-0.000 χ^2/NDF:468519946992.9/61

All: 0.387+/-0.000 χ^2/NDF: 922123401961.4

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: 11307360.4/36

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

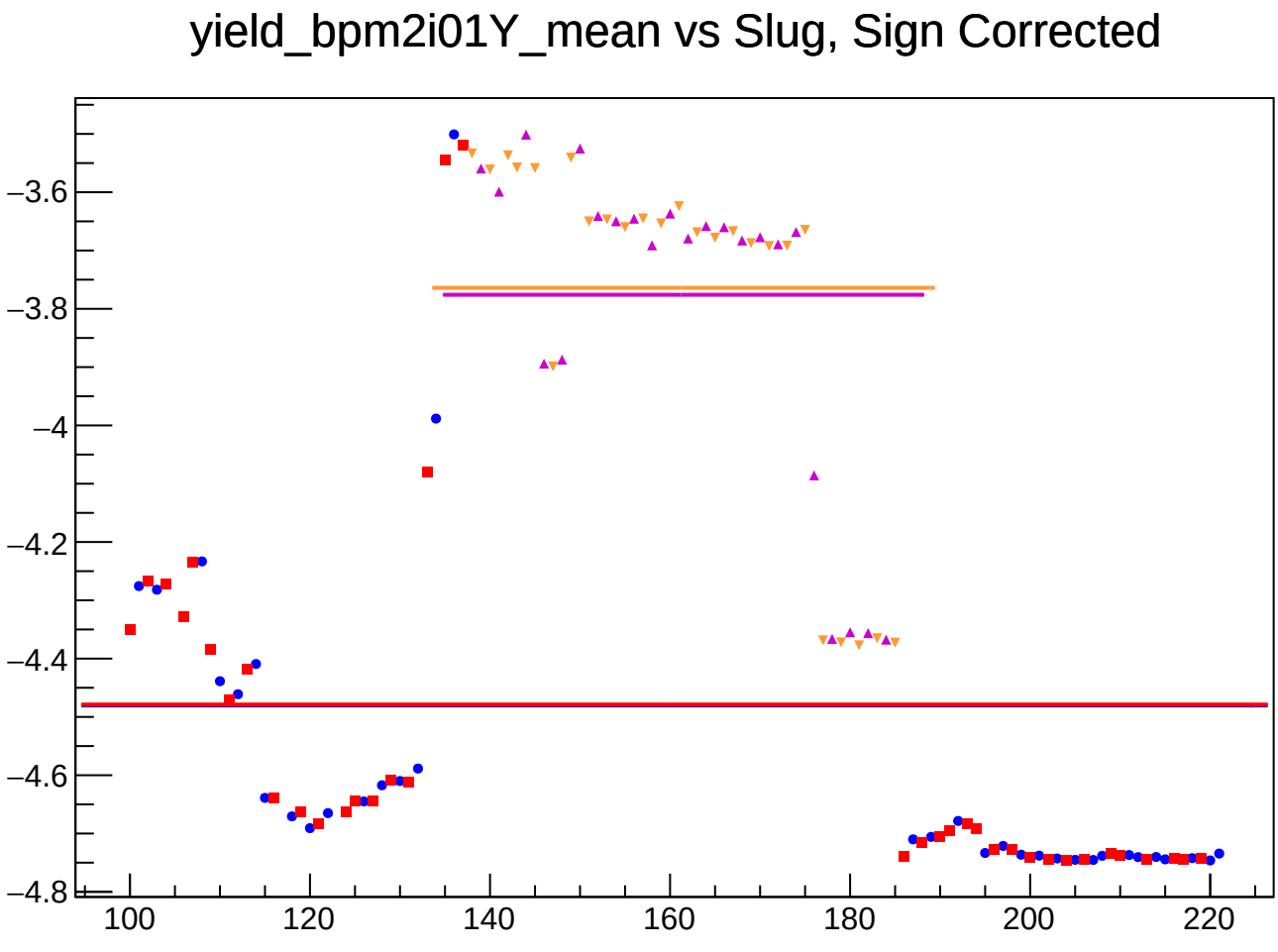
Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

Right: 0.002+/-0.000 χ^2/NDF: 23179849.3/70

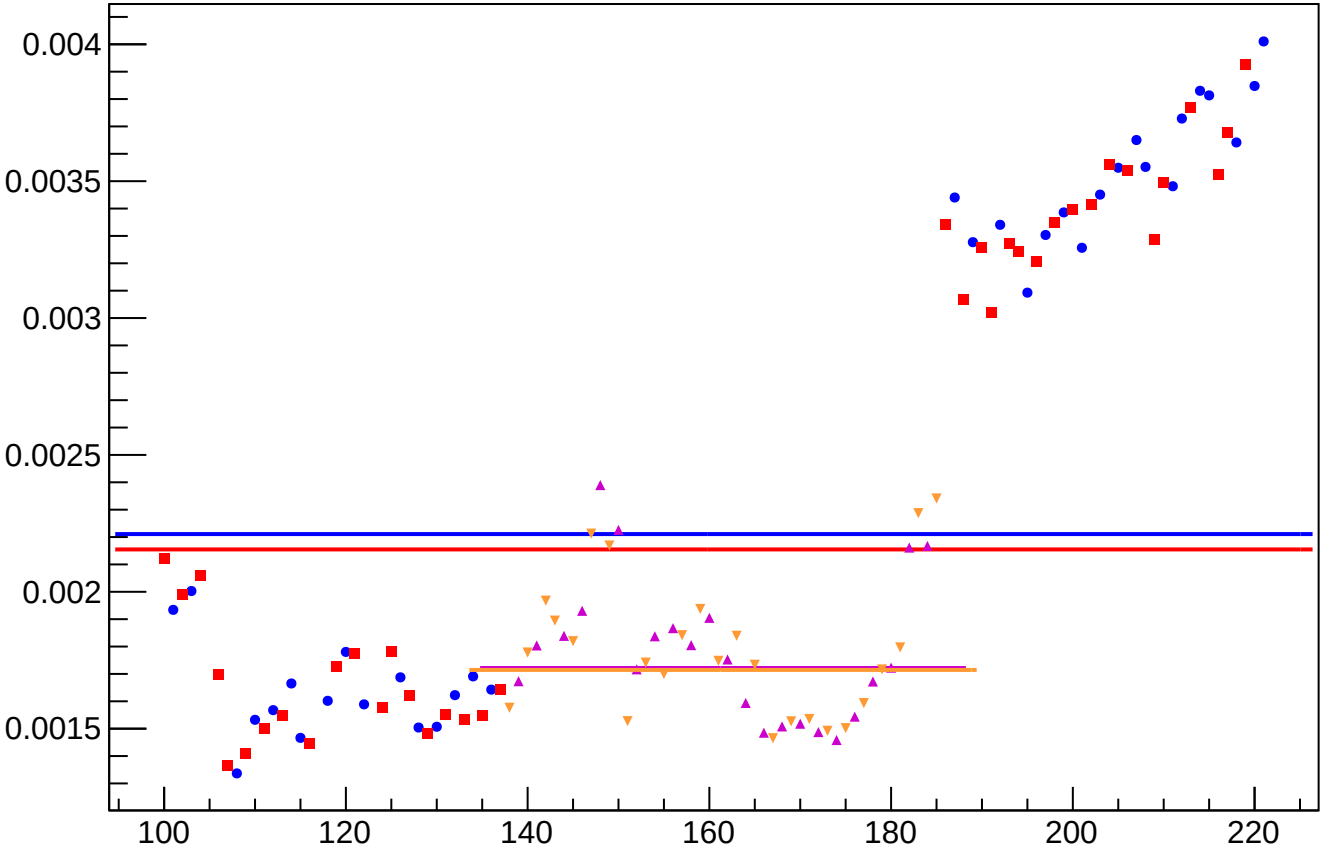
In: 0.002+/-0.000 χ^2/NDF:13007732.2/56

Out: 0.002+/-0.000 χ^2/NDF:12338463.0/61

All: 0.002+/-0.000 χ^2/NDF: 25362701.2/118


yield_bpm2i01Y_mean vs Slug, Sign Corrected
−3.6
−3.8
−4
−4.2
−4.4
−4.6
−4.8
100
120
140
160
180
200
220
Right In: -4.480+/-0.000 χ²/NDF: 462529307168.1/33
Left Out: -3.764+/-0.000 χ²/NDF:483461311370.8/24
Right Out: -4.479+/-0.000 χ²/NDF: 403930252342.3/36
Left In: -3.776+/-0.000 χ²/NDF:402659987166.3/22
Left: -3.770+/-0.000 χ²/NDF: 886556013091.1/47
Right: -4.480+/-0.000 χ²/NDF: 866463951116.0/70
In: -4.051+/-0.000 χ²/NDF:2014113093773.2/56
Out: -4.039+/-0.000 χ²/NDF:2127670368646.4/61
All: -4.045+/-0.000 χ²/NDF: 4142505885476

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: 5677881.4/36

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

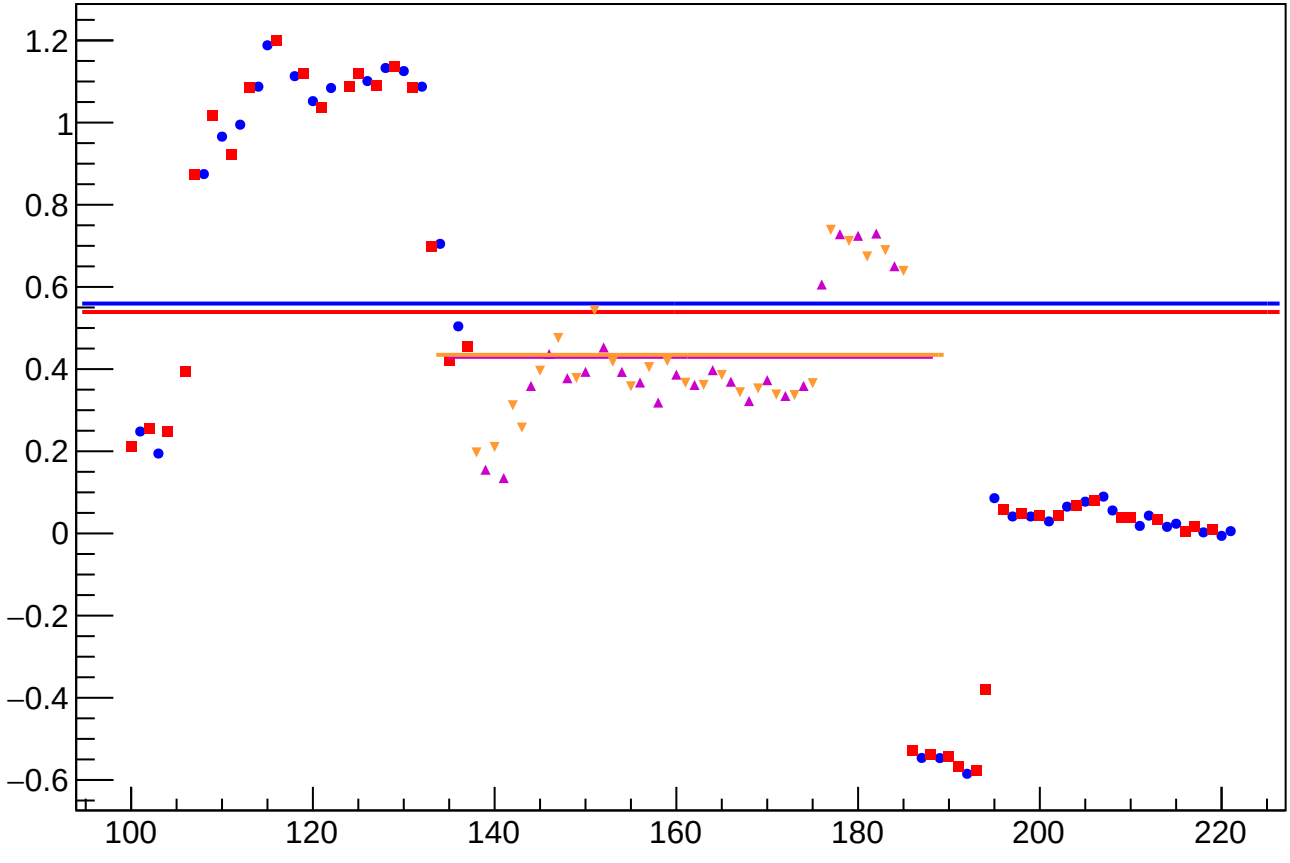
Right: 0.002+/-0.000 χ^2/NDF: 11846273.6/70

In: 0.002+/-0.000 χ^2/NDF:7846442.0/56

Out: 0.002+/-0.000 χ^2/NDF:7180736.1/61

All: 0.002+/-0.000 χ^2/NDF: 15035444.5/118

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: 0.539+/-0.000 χ^2/NDF: 96034049389.7/36

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

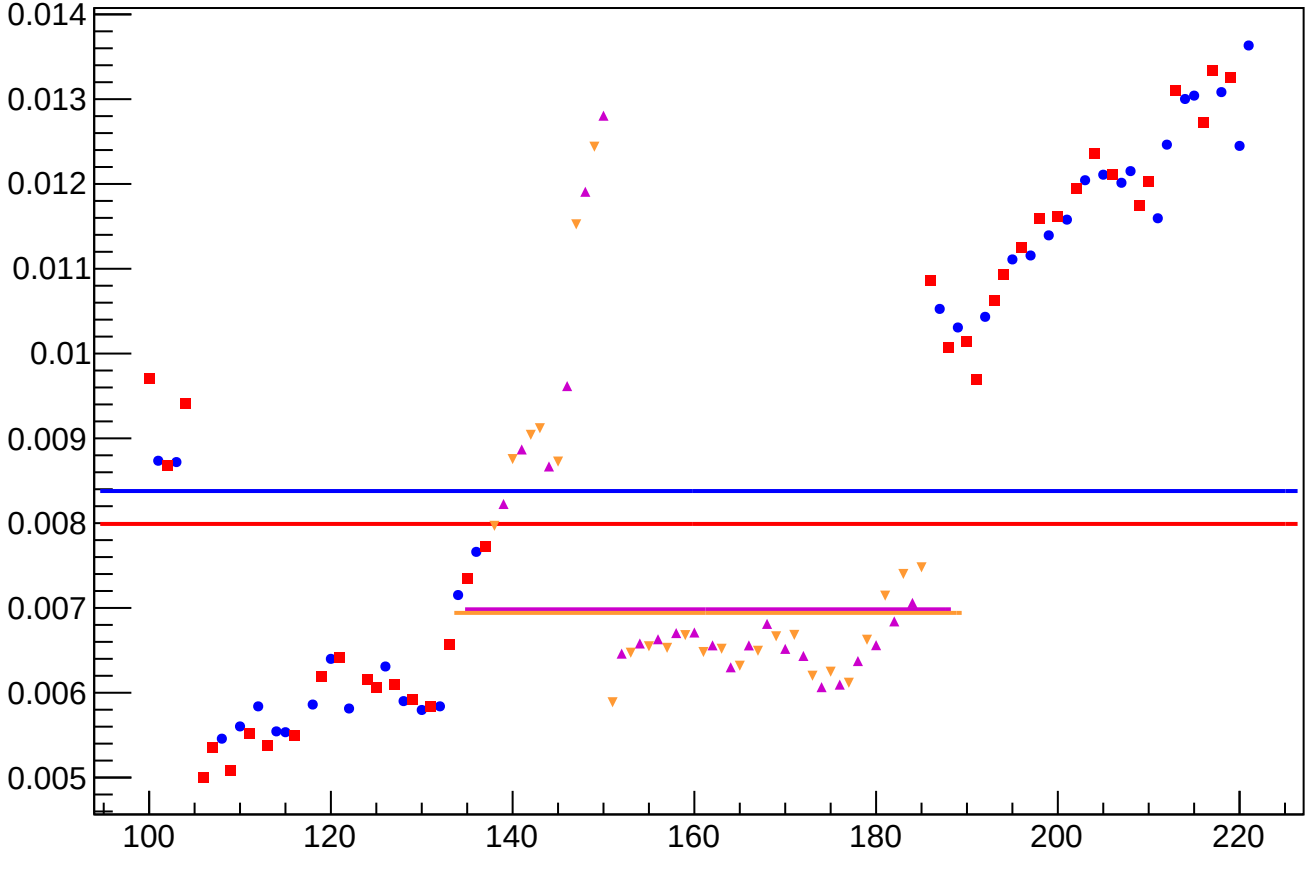
Right: 0.549+/-0.000 χ^2/NDF: 177140149227.1/70

In: 0.486+/-0.000 χ^2/NDF:92738628880.6/56

Out: 0.480+/-0.000 χ^2/NDF:106378079803.8/61

All: 0.483+/-0.000 χ^2/NDF: 199130297402.1

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: 4739159.4/36

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

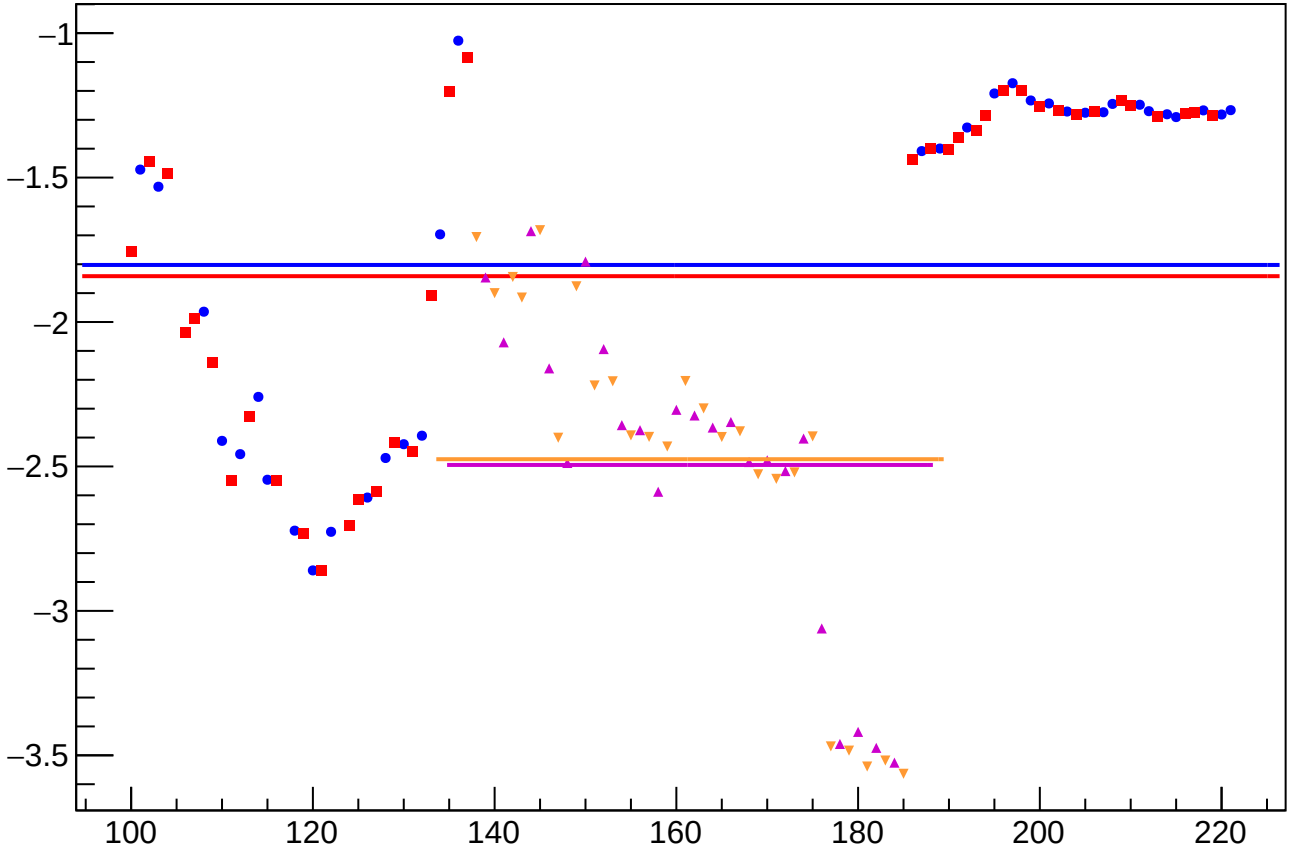
Right: 0.008+/-0.000 χ^2/NDF: 9318634.8/70

In: 0.008+/-0.000 χ^2/NDF:6286719.6/56

Out: 0.007+/-0.000 χ^2/NDF:6200673.4/61

All: 0.007+/-0.000 χ^2/NDF: 12512425.1/118

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: -1.841+/-0.000 χ^2/NDF: 122134299420.0/36

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

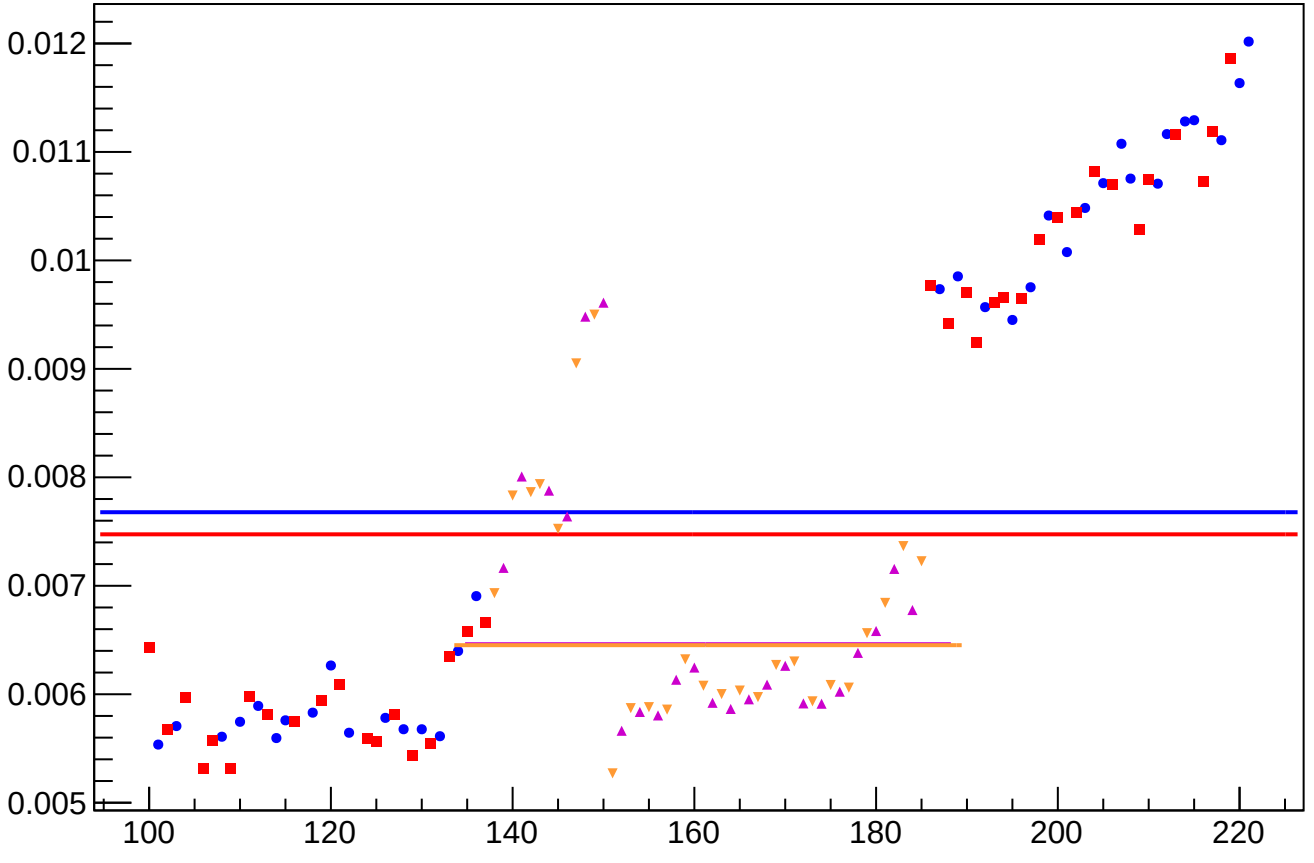
Right: -1.822+/-0.000 χ^2/NDF: 249598682880.4/70

In: -2.188+/-0.000 χ^2/NDF:315046423651.9/56

Out: -2.198+/-0.000 χ^2/NDF:324861635822.9/61

All: -2.193+/-0.000 χ^2/NDF: 639944878856.5

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: 0.007+/-0.000 χ^2/NDF: 3531740.4/36

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

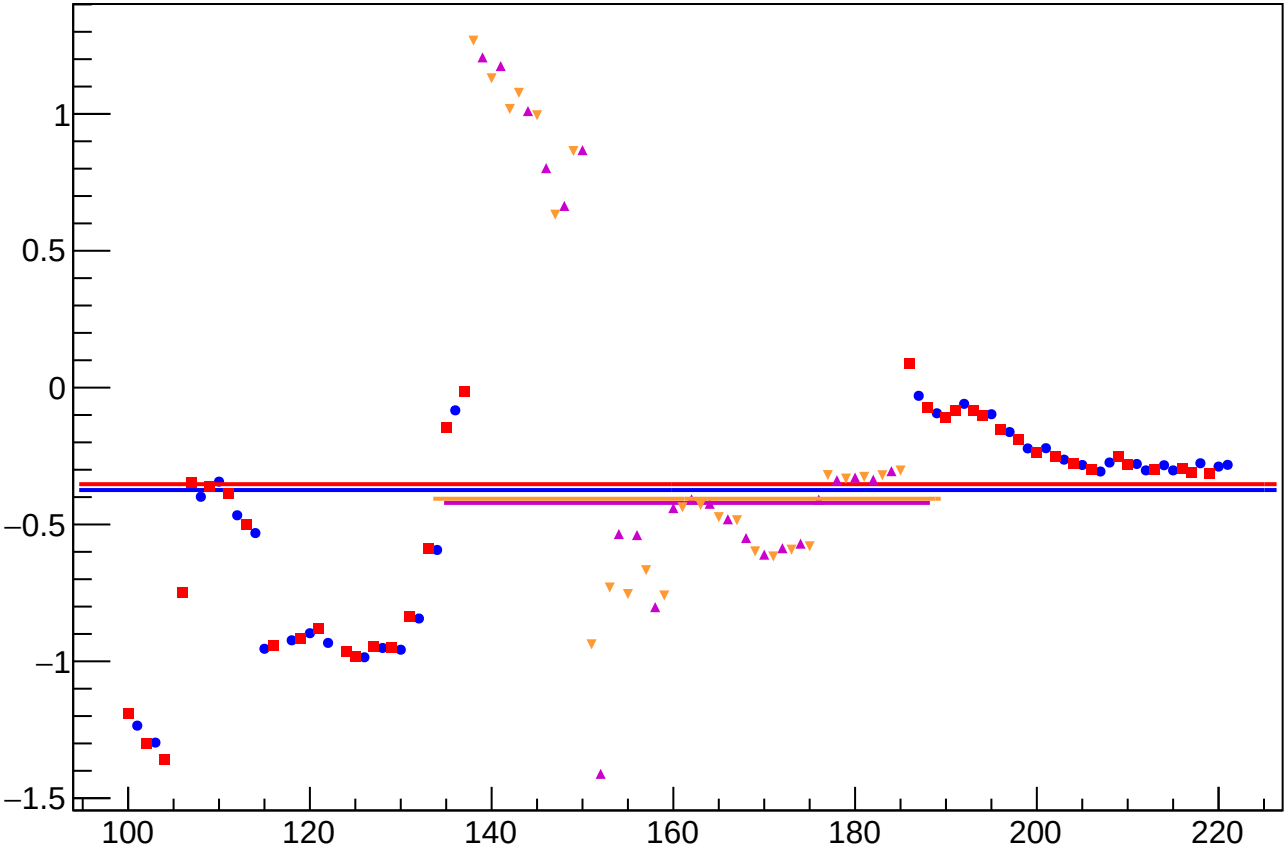
Right: 0.008+/-0.000 χ^2/NDF: 7360568.0/70

In: 0.007+/-0.000 χ^2/NDF:5097774.3/56

Out: 0.007+/-0.000 χ^2/NDF:4660101.5/61

All: 0.007+/-0.000 χ^2/NDF: 9765913.9/118

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: -0.353+/-0.000 χ^2/NDF: 27377182395.5/36

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

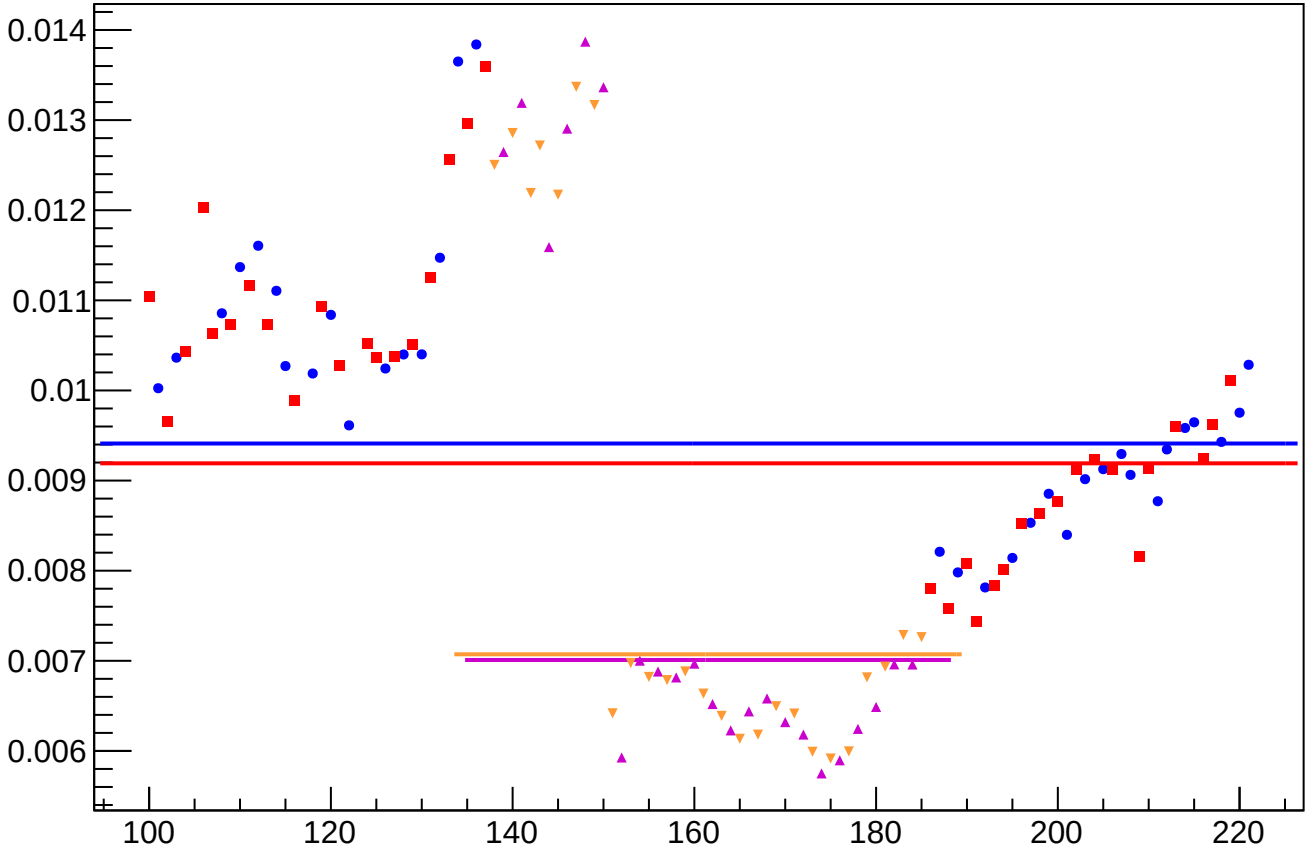
Right: -0.363+/-0.000 χ^2/NDF: 52369315531.1/70

In: -0.402+/-0.000 χ^2/NDF:115489456005.8/56

Out: -0.384+/-0.000 χ^2/NDF:109421677996.1/61

All: -0.393+/-0.000 χ^2/NDF: 225001639042.8

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: 722612.9/36

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

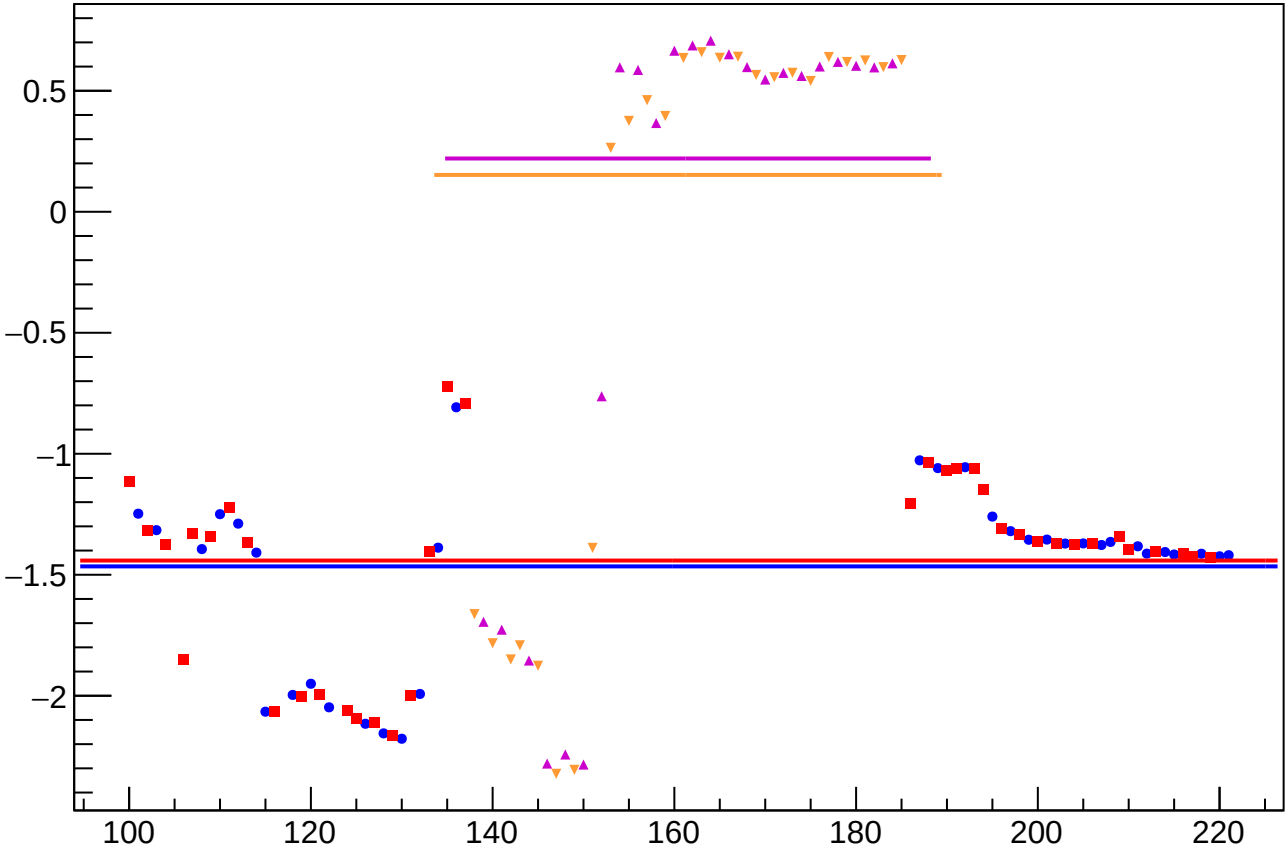
Right: 0.009+/-0.000 χ^2/NDF: 1390859.6/70

In: 0.008+/-0.000 χ^2/NDF:4744240.3/56

Out: 0.008+/-0.000 χ^2/NDF:4410311.5/61

All: 0.008+/-0.000 χ^2/NDF: 9157138.3/118

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: -1.441+/-0.000 χ^2/NDF: 172718514427.3/36

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

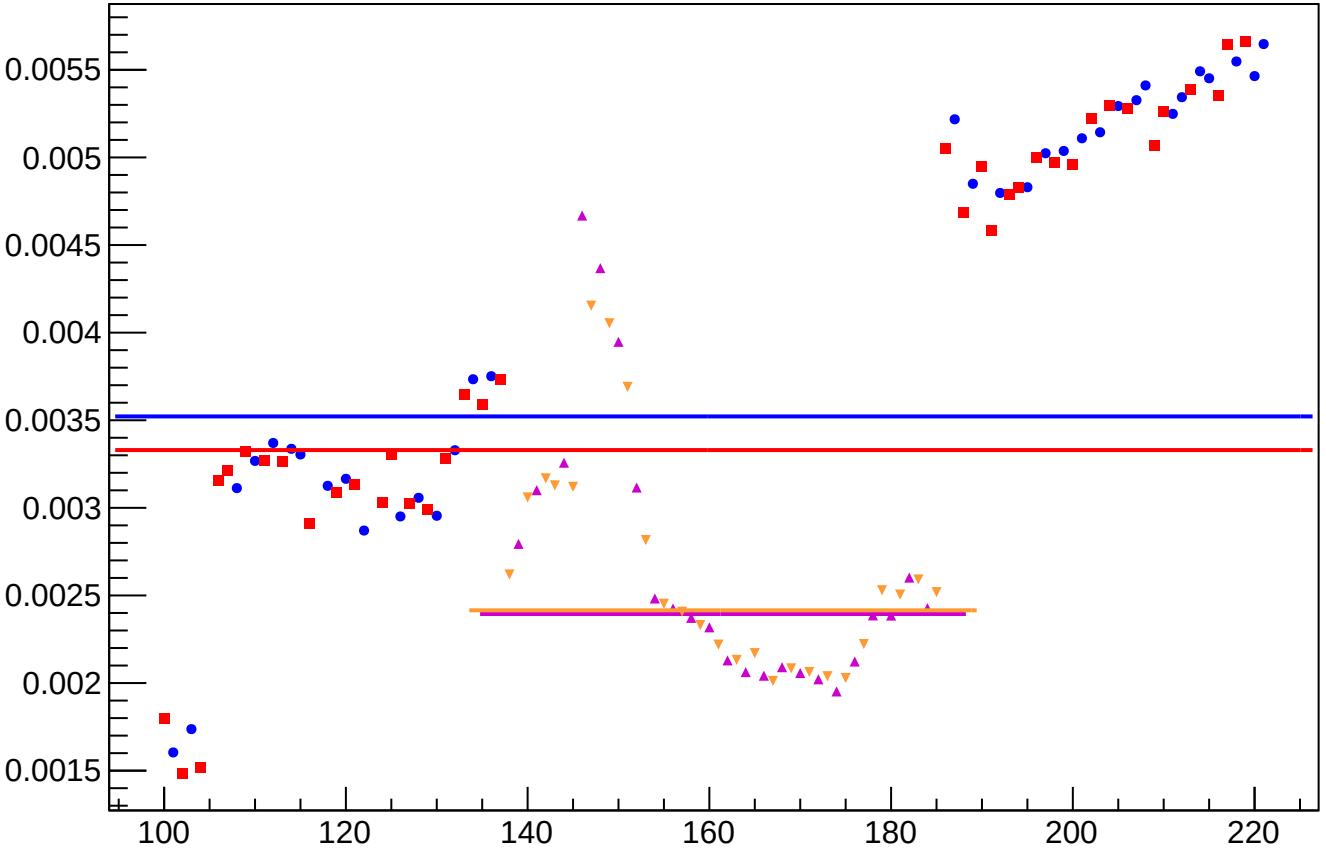
Right: -1.453+/-0.000 χ^2/NDF: 357261642482.0/70

In: -0.358+/-0.000 χ^2/NDF:5024309287974.1/56

Out: -0.397+/-0.000 χ^2/NDF:5134070128108.6/61

All: -0.378+/-0.000 χ^2/NDF: 1016171203852

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: 6657035.9/36

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

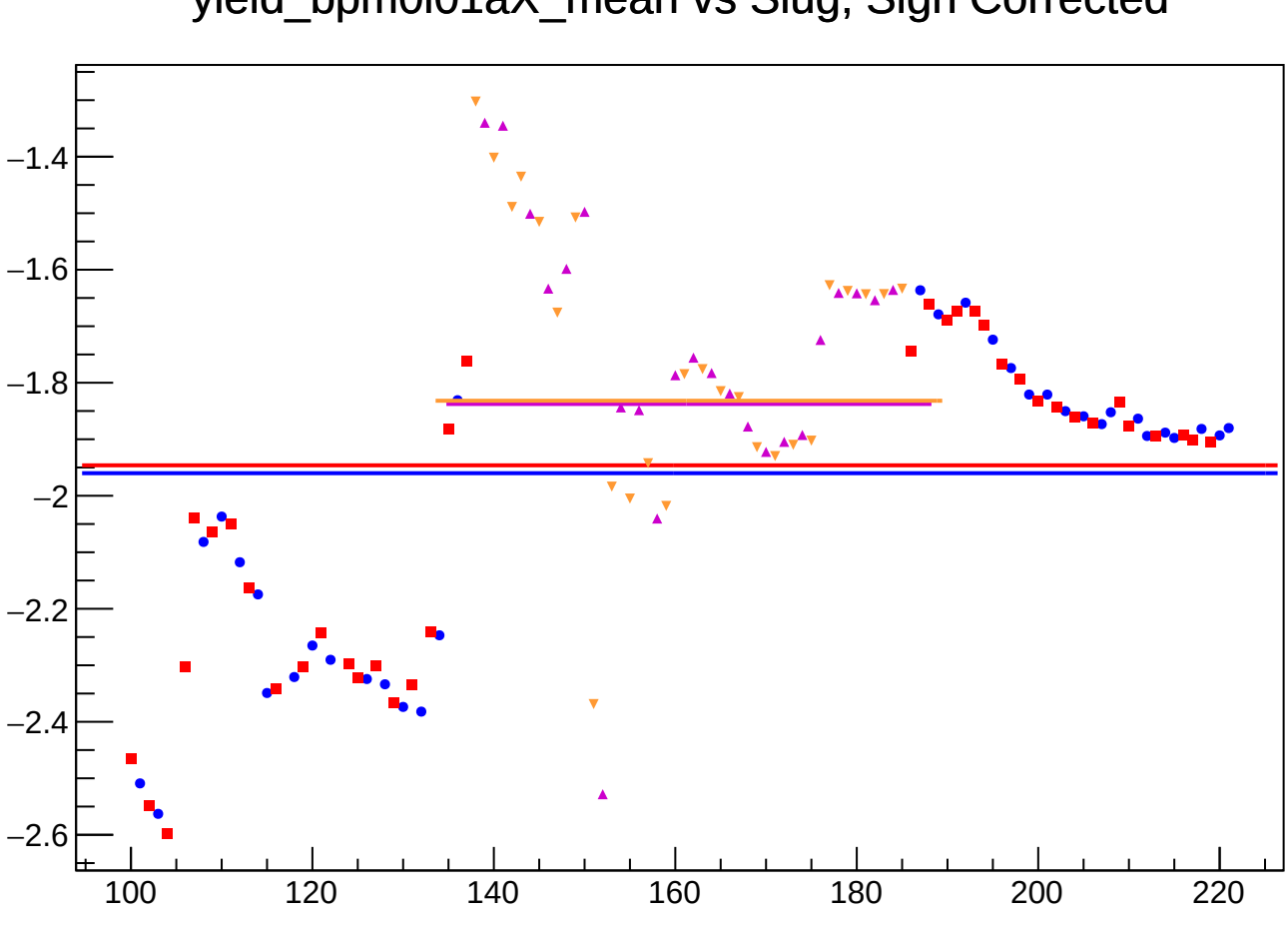
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 12754369.8/70

In: 0.003+/-0.000 χ^2/NDF:9885284.1/56

Out: 0.003+/-0.000 χ^2/NDF:9565934.8/61

All: 0.003+/-0.000 χ^2/NDF: 19462300.9/118



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: -1.946+/-0.000 χ^2/NDF: 38137914547.5/36

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

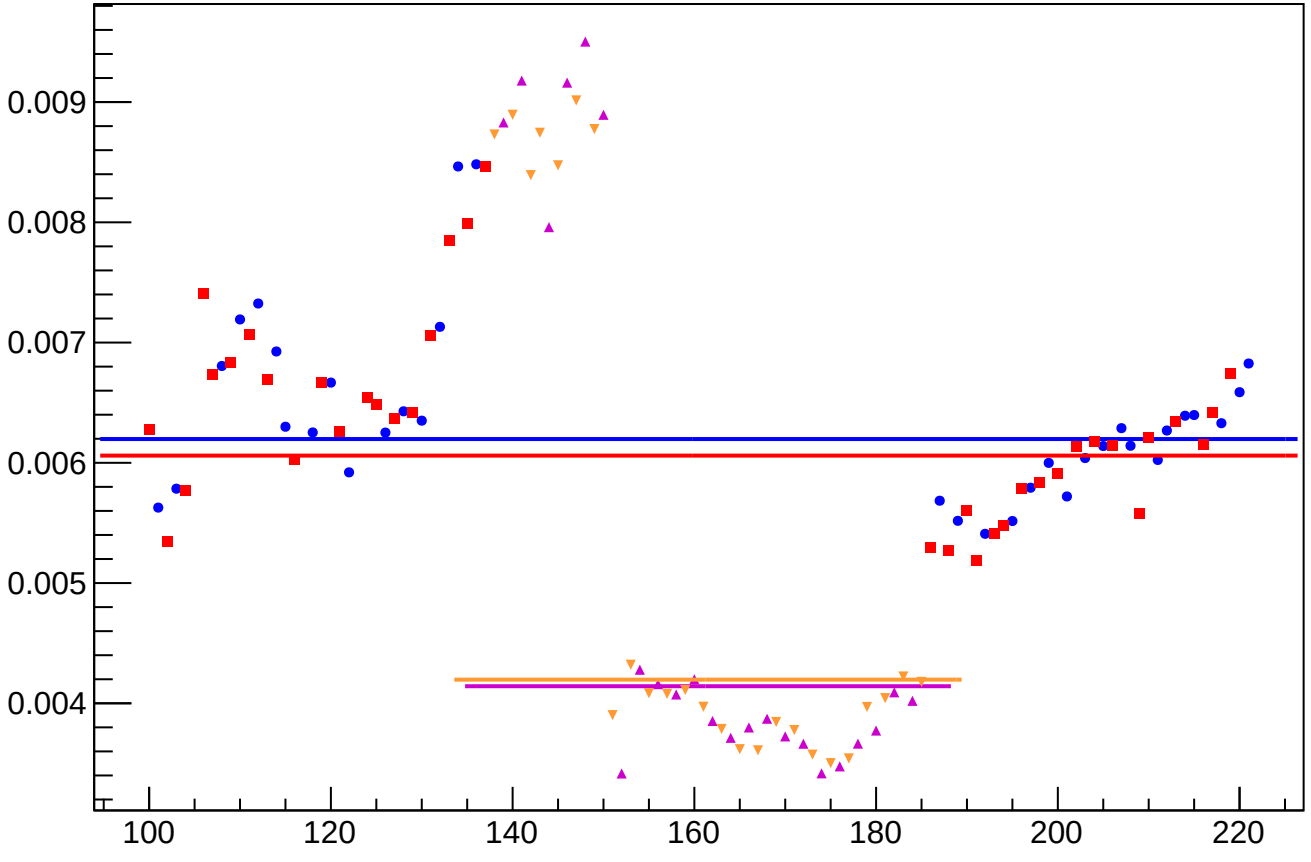
Right: -1.953+/-0.000 χ^2/NDF: 72735814086.8/70

In: -1.883+/-0.000 χ^2/NDF:93222825570.6/56

Out: -1.874+/-0.000 χ^2/NDF:81176078895.4/61

All: -1.878+/-0.000 χ^2/NDF: 174464691380.4

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: 421651.8/36

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

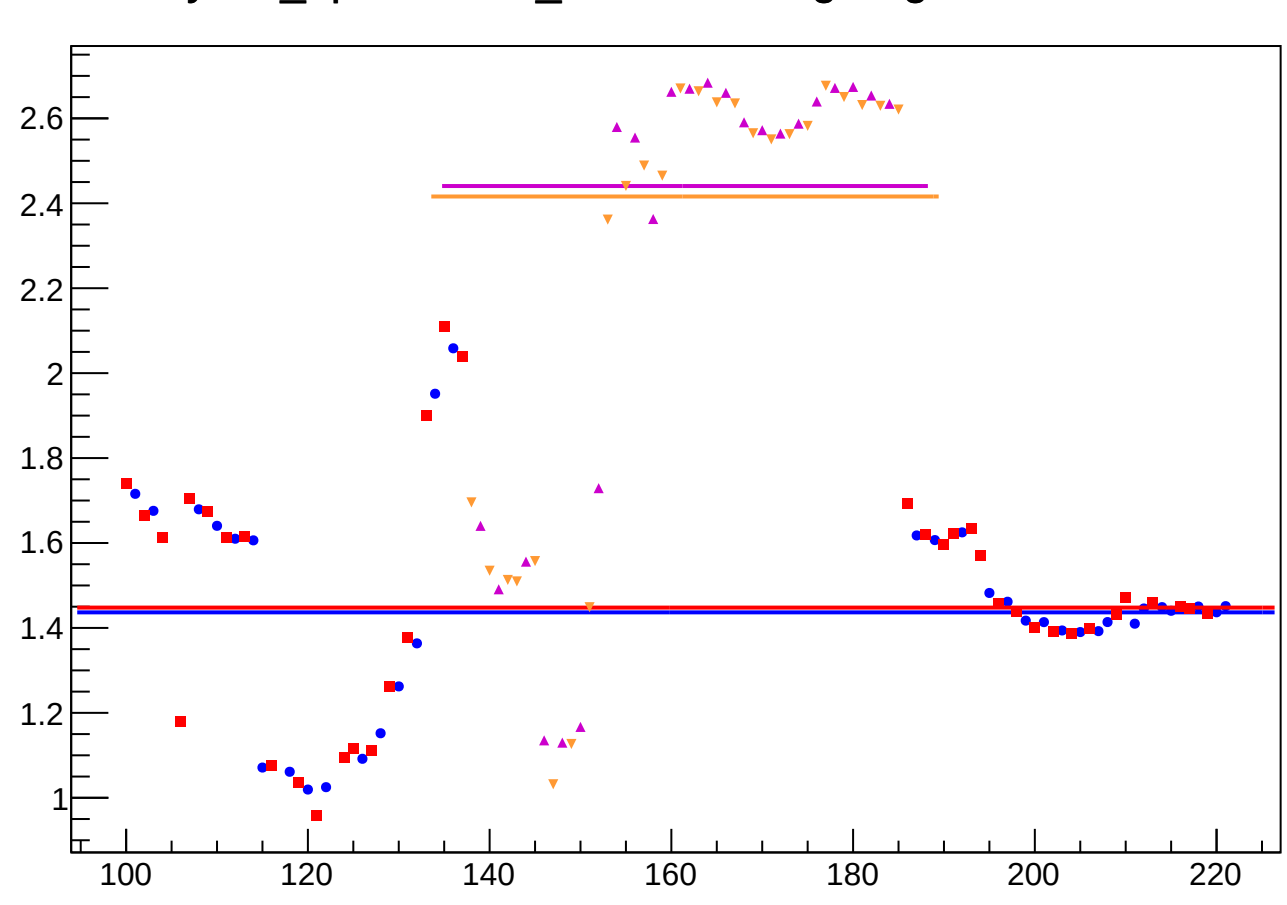
Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

Right: 0.006+/-0.000 χ^2/NDF: 832641.9/70

In: 0.005+/-0.000 χ^2/NDF:6547474.6/56

Out: 0.005+/-0.000 χ^2/NDF:5998138.5/61

All: 0.005+/-0.000 χ^2/NDF: 12546596.7/118



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: 186655480416.9/36

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

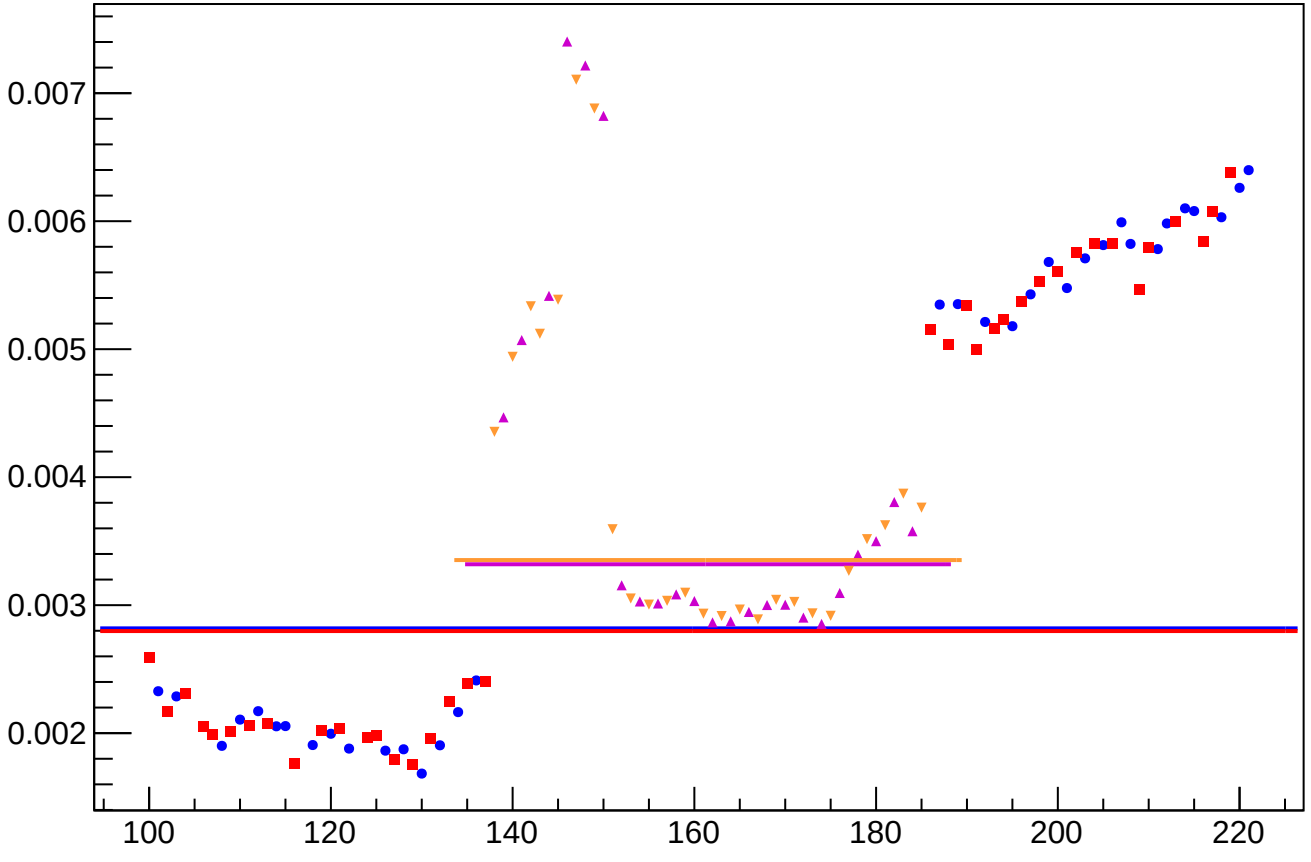
Right: 1.442+/-0.000 χ^2/NDF: 378302736703.3/70

In: 1.856+/-0.000 χ^2/NDF:1293540661655.9/56

Out: 1.862+/-0.000 χ^2/NDF:1262304596486.4/61

All: 1.859+/-0.000 χ^2/NDF: 2555914761102.

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: 9017591.4/36

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

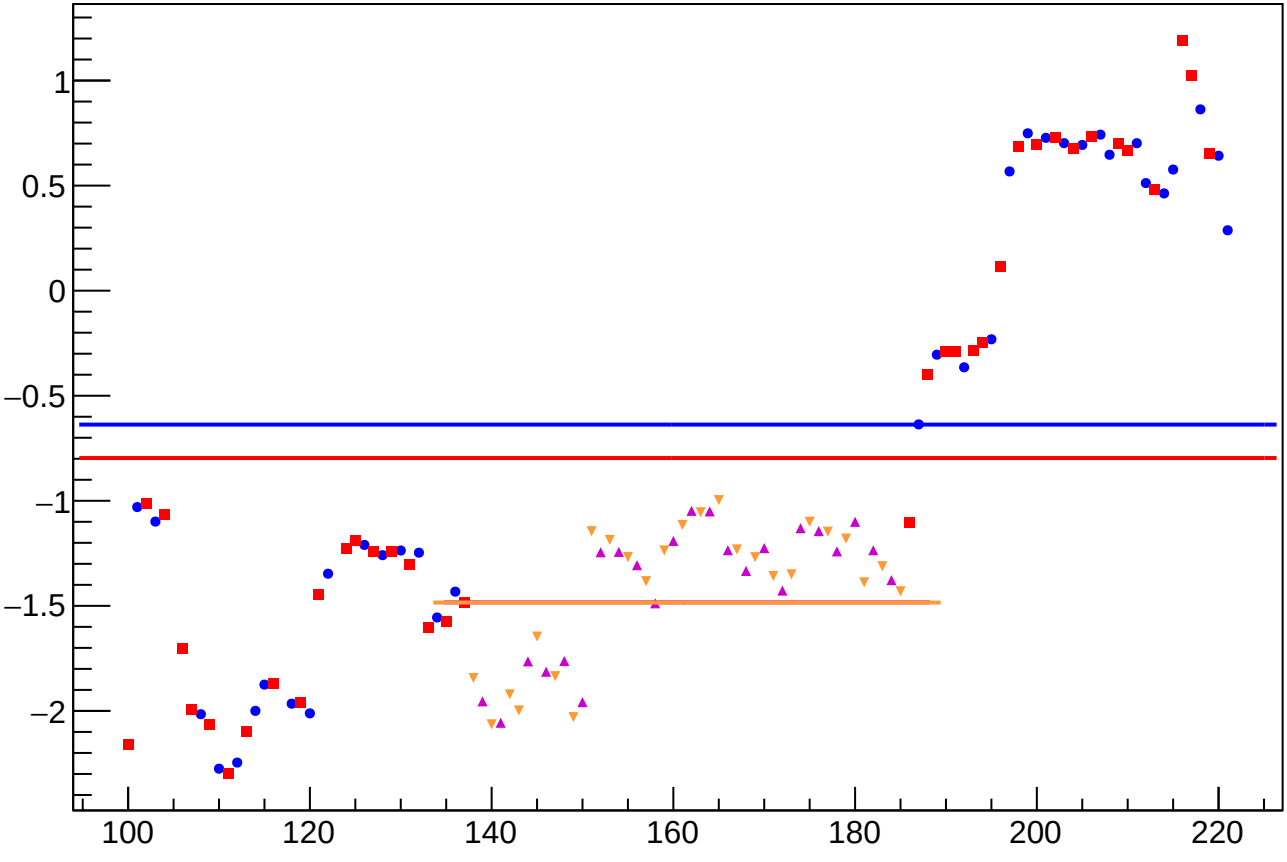
Right: 0.003+/-0.000 χ^2/NDF: 18964051.4/70

In: 0.003+/-0.000 χ^2/NDF:12434468.8/56

Out: 0.003+/-0.000 χ^2/NDF:11384017.1/61

All: 0.003+/-0.000 χ^2/NDF: 23818671.9/118

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.637+/-0.000 χ^2/NDF: 279013157531.0/33

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.796+/-0.000 χ^2/NDF: 314680494926.5/36

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

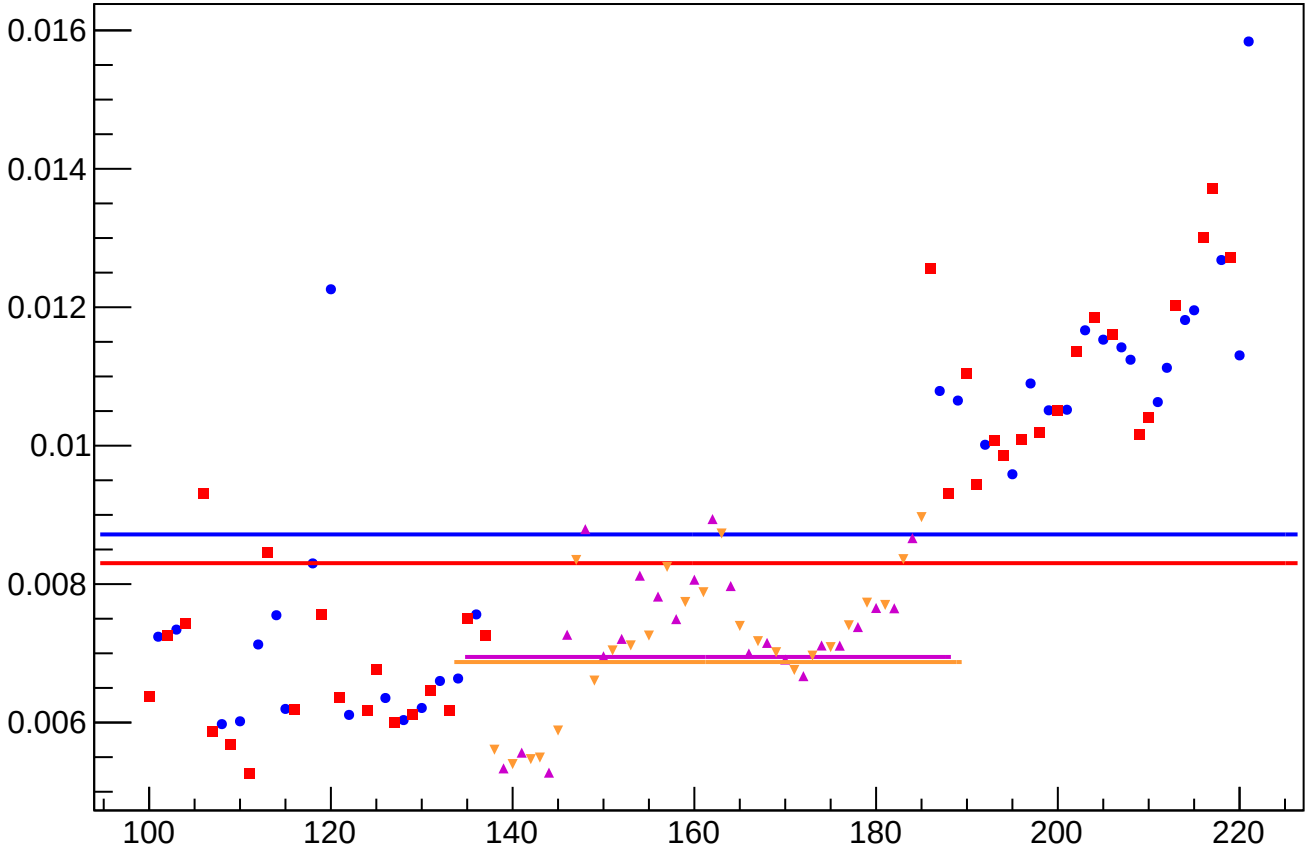
Right: -0.720+/-0.000 χ^2/NDF: 597054094171.1/70

In: -1.128+/-0.000 χ^2/NDF:425380274033.4/56

Out: -1.196+/-0.000 χ^2/NDF:439037617637.5/61

All: -1.163+/-0.000 χ^2/NDF: 865887102236.2

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: 3066582.4/36

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

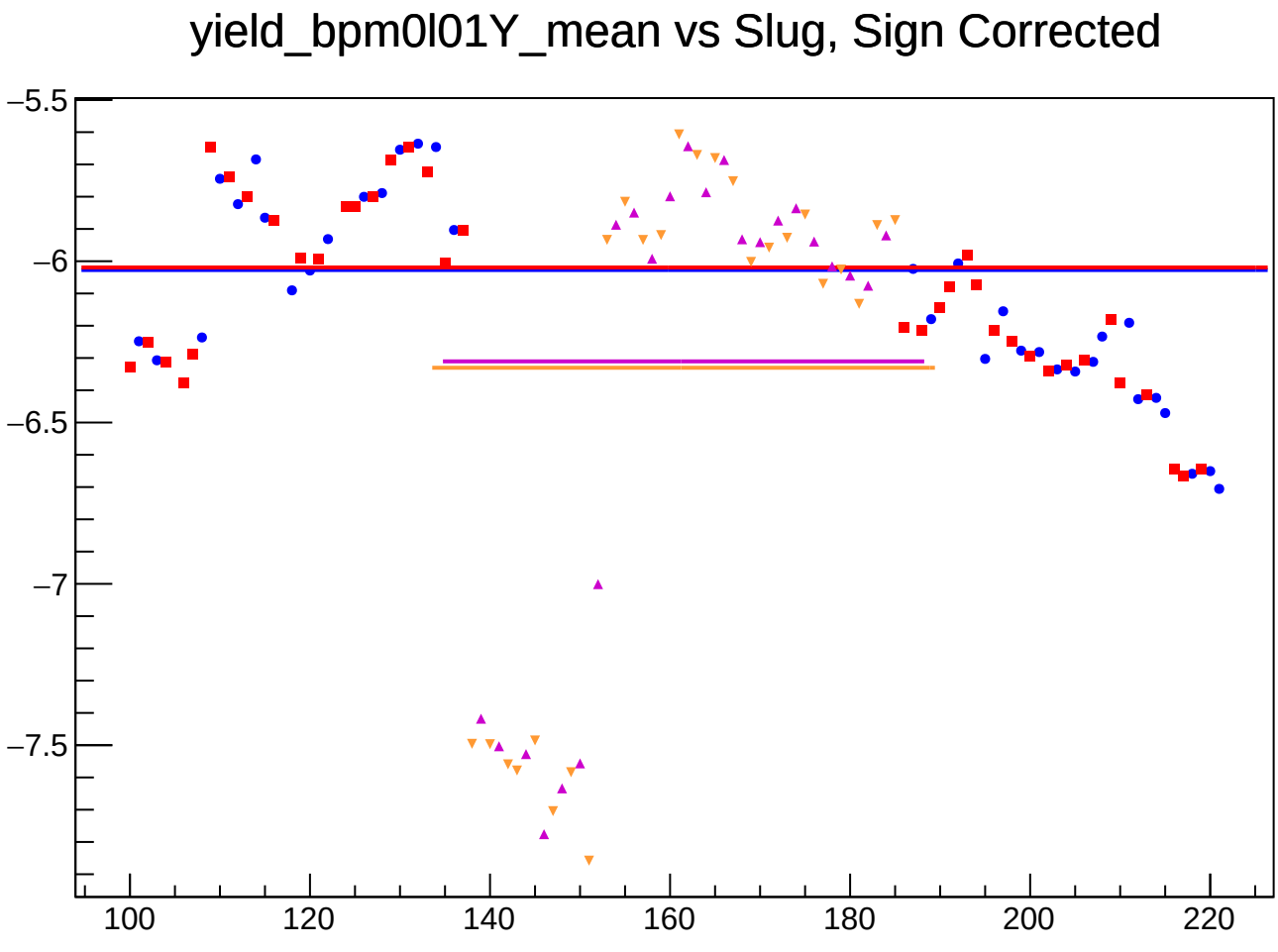
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.009+/-0.000 χ^2/NDF: 6076384.3/70

In: 0.008+/-0.000 χ^2/NDF:4639018.4/56

Out: 0.007+/-0.000 χ^2/NDF:4467275.4/61

All: 0.008+/-0.000 χ^2/NDF: 9136586.9/118



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: -6.019+/-0.000 χ^2/NDF: 21938421647.7/36

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

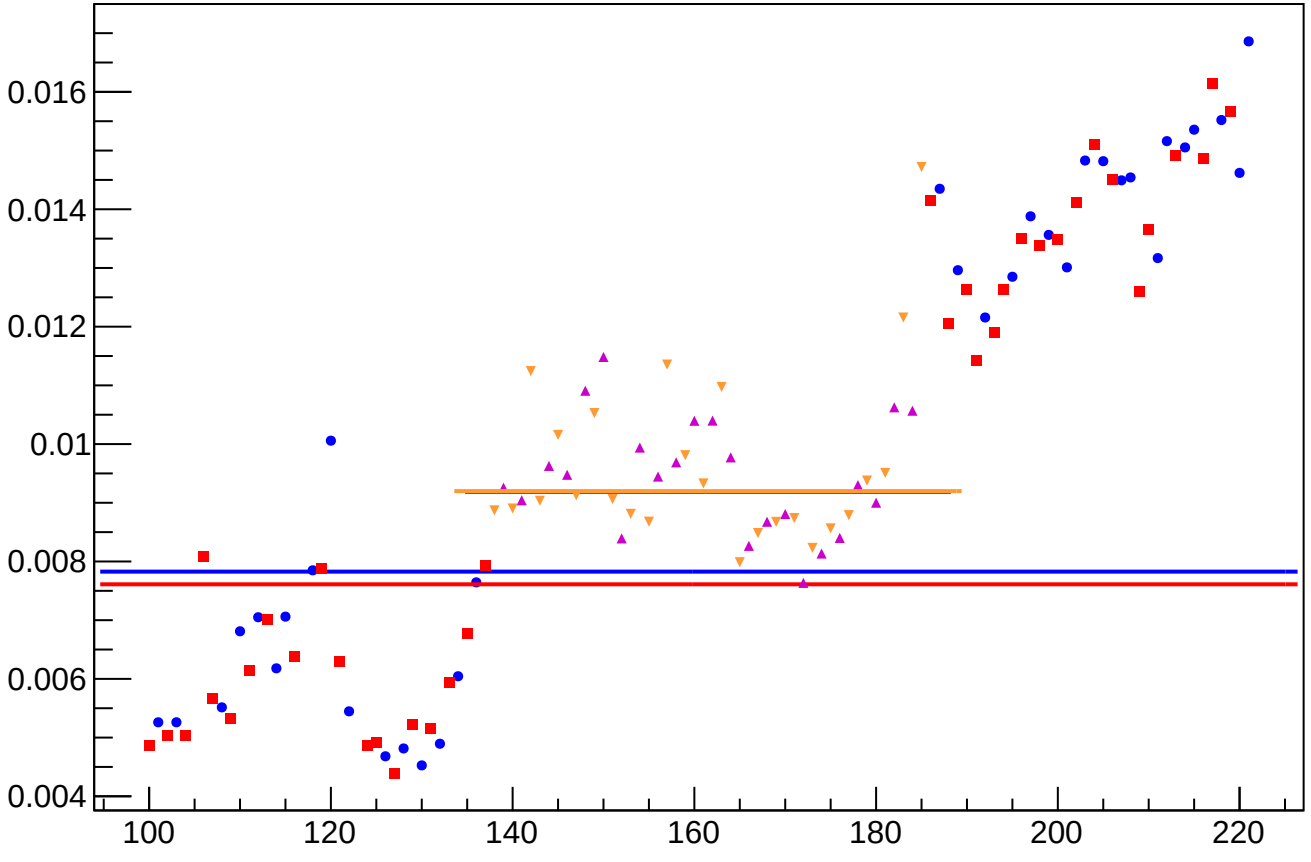
Right: -6.023+/-0.000 χ^2/NDF: 44931704717.4/70

In: -6.142+/-0.000 χ^2/NDF:123397405977.8/56

Out: -6.145+/-0.000 χ^2/NDF:143276191815.2/61

All: -6.143+/-0.000 χ^2/NDF: 266675433893.9

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: 7574975.0/36

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

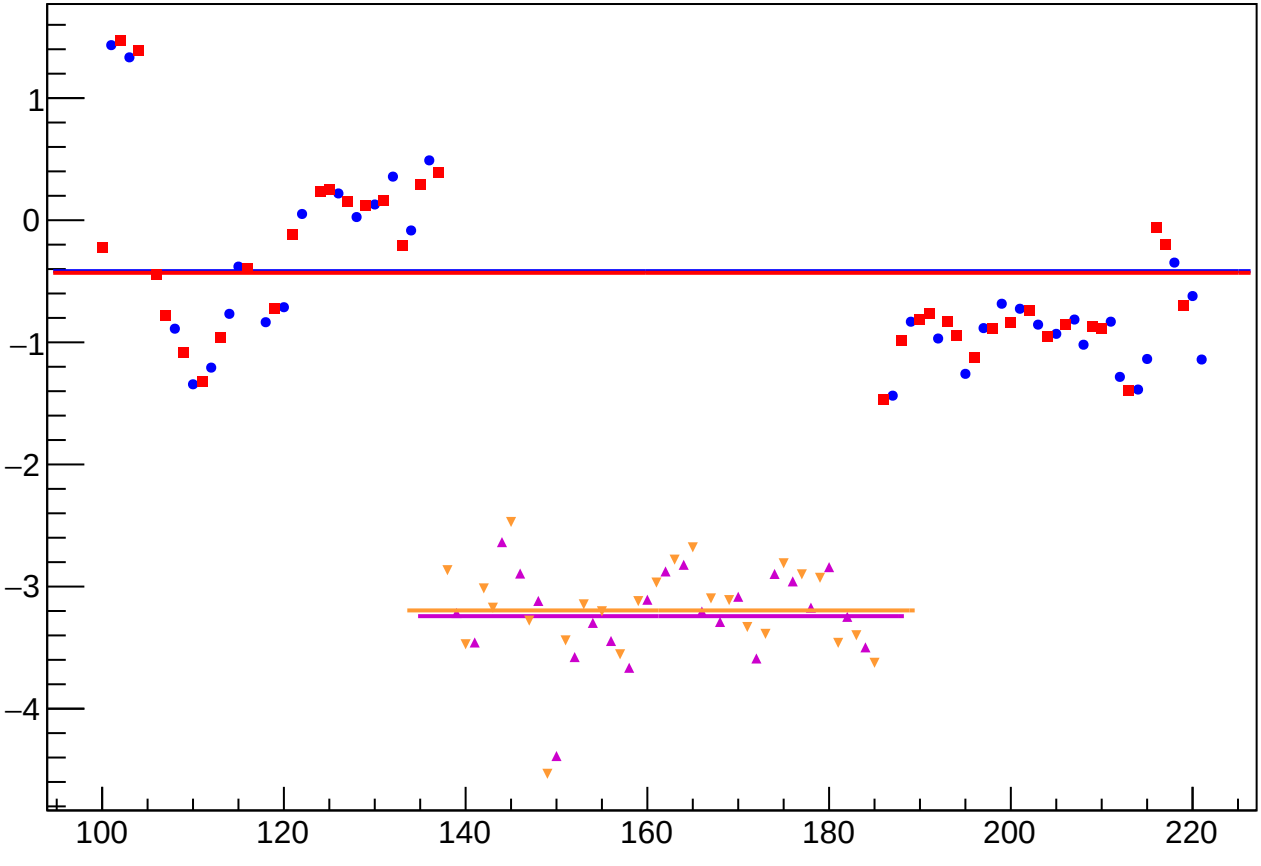
Right: 0.008+/-0.000 χ^2/NDF: 15976649.7/70

In: 0.008+/-0.000 χ^2/NDF:9108598.4/56

Out: 0.008+/-0.000 χ^2/NDF:8516322.6/61

All: 0.008+/-0.000 χ^2/NDF: 17632202.9/118

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: -0.431+/-0.000 χ^2/NDF: 38596198892.3/36

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

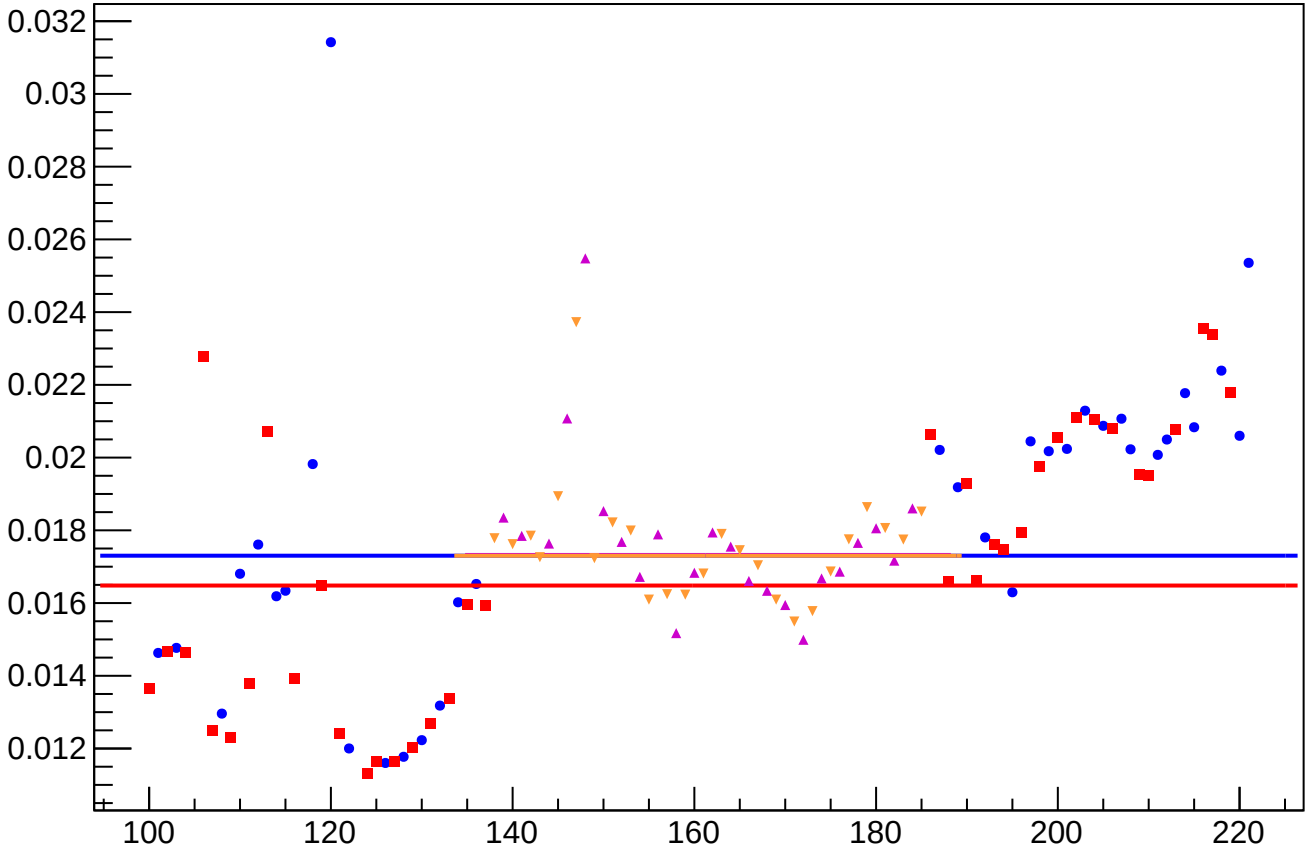
Right: -0.424+/-0.000 χ^2/NDF: 79284031012.2/70

In: -1.734+/-0.000 χ^2/NDF:297511243984.1/56

Out: -1.705+/-0.000 χ^2/NDF:303816989990.1/61

All: -1.719+/-0.000 χ^2/NDF: 601381888662.6

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: 0.016+/-0.000 χ^2/NDF: 1948948.4/36

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

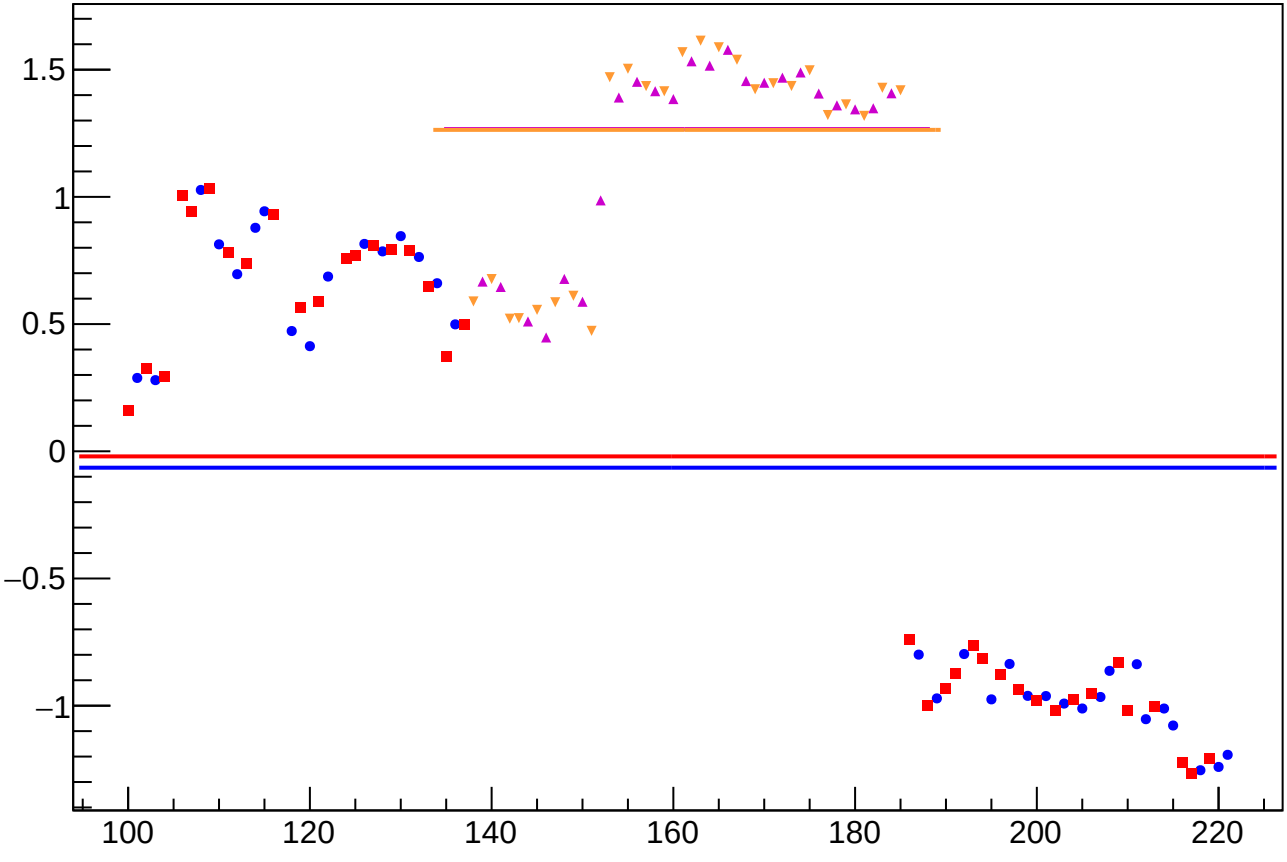
Right: 0.017+/-0.000 χ^2/NDF: 3980052.4/70

In: 0.017+/-0.000 χ^2/NDF:2314144.0/56

Out: 0.017+/-0.000 χ^2/NDF:2211900.4/61

All: 0.017+/-0.000 χ^2/NDF: 4552593.1/118

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: -0.020+/-0.000 χ^2/NDF: 112625256755.3/36

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

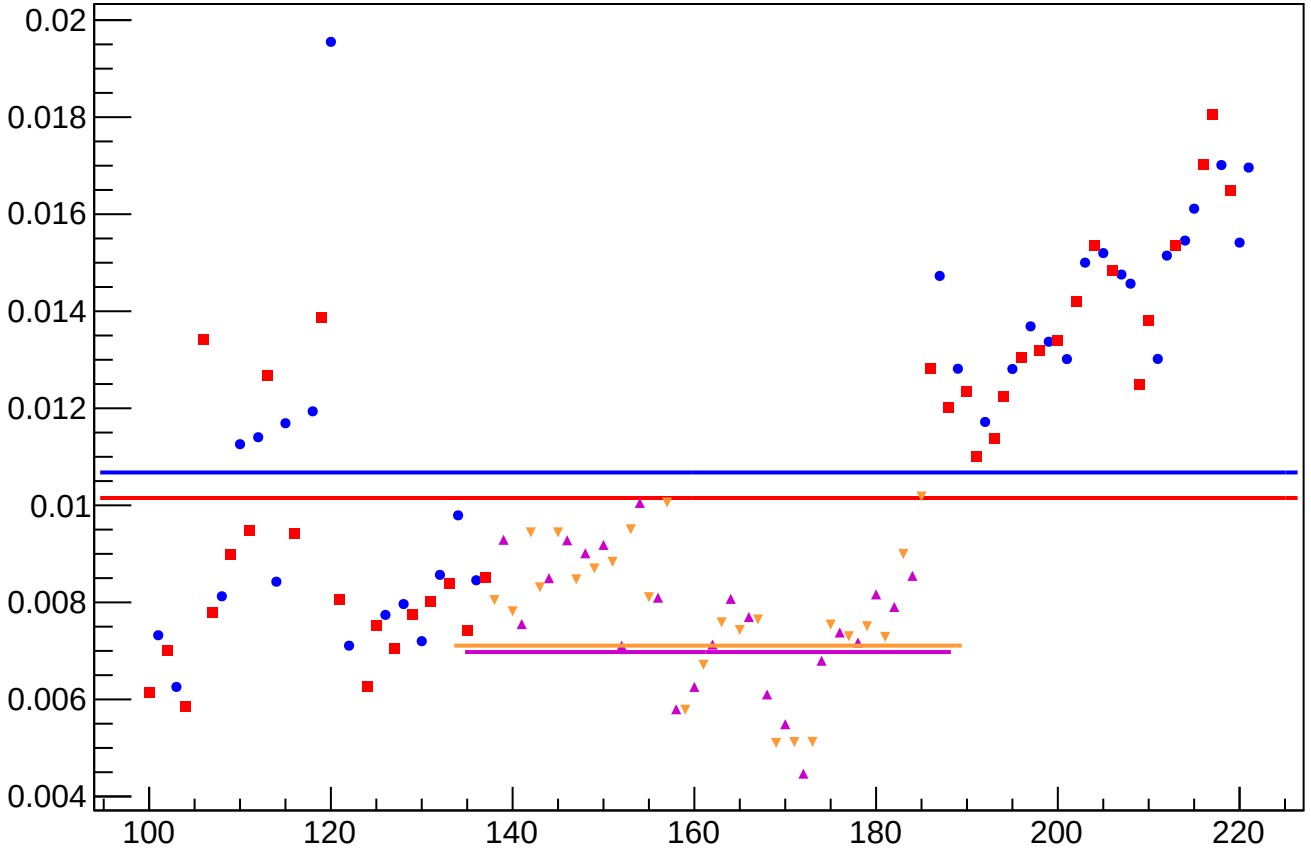
Right: -0.041+/-0.000 χ^2/NDF: 221254253258.9/70

In: 0.828+/-0.000 χ^2/NDF:341260219627.5/56

Out: 0.821+/-0.000 χ^2/NDF:349406356068.1/61

All: 0.824+/-0.000 χ^2/NDF: 690678458936.9

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: 3873201.8/36

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

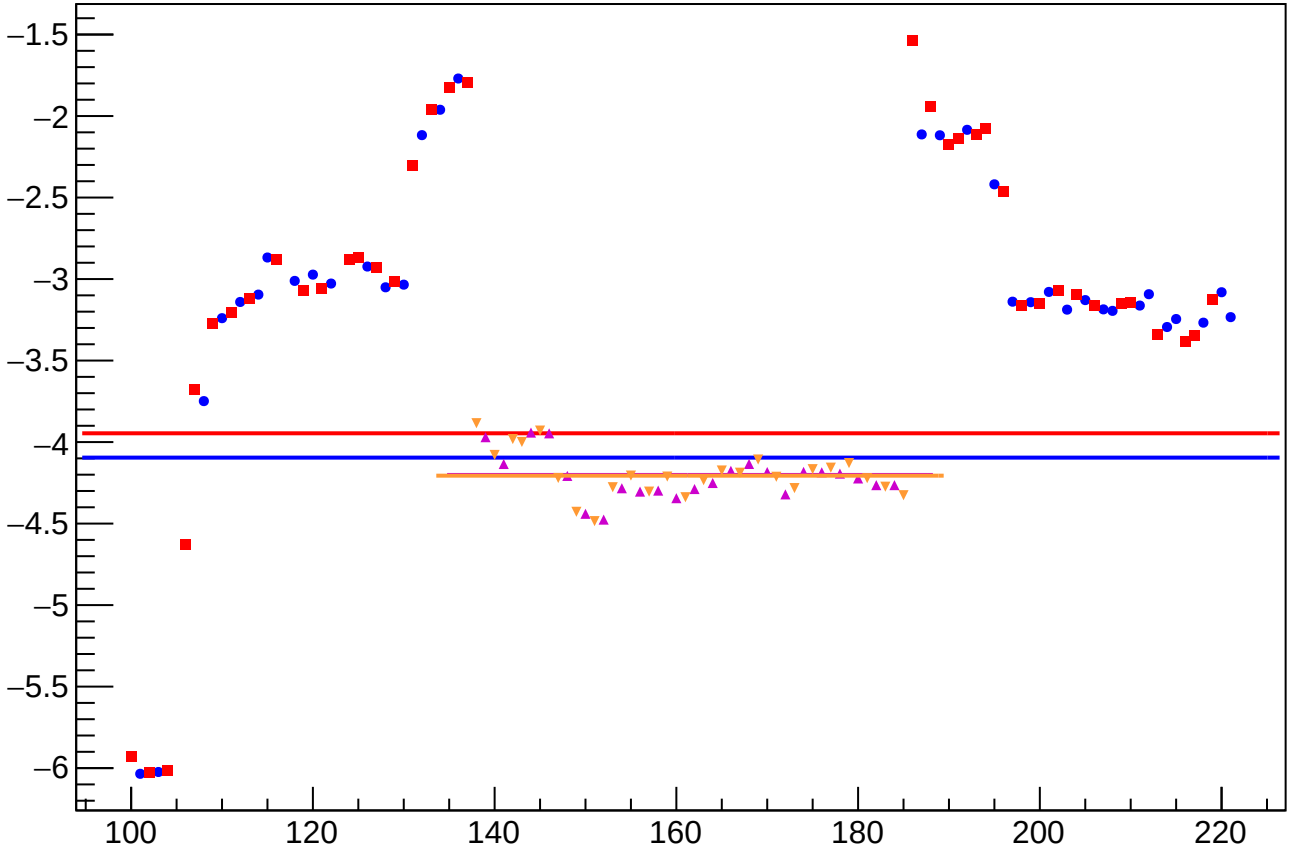
Right: 0.010+/-0.000 χ^2/NDF: 7899768.4/70

In: 0.008+/-0.000 χ^2/NDF:8453264.8/56

Out: 0.008+/-0.000 χ^2/NDF:7540410.1/61

All: 0.008+/-0.000 χ^2/NDF: 15994436.4/118

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: -3.946+/-0.000 χ^2/NDF: 310726733358.5/36

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

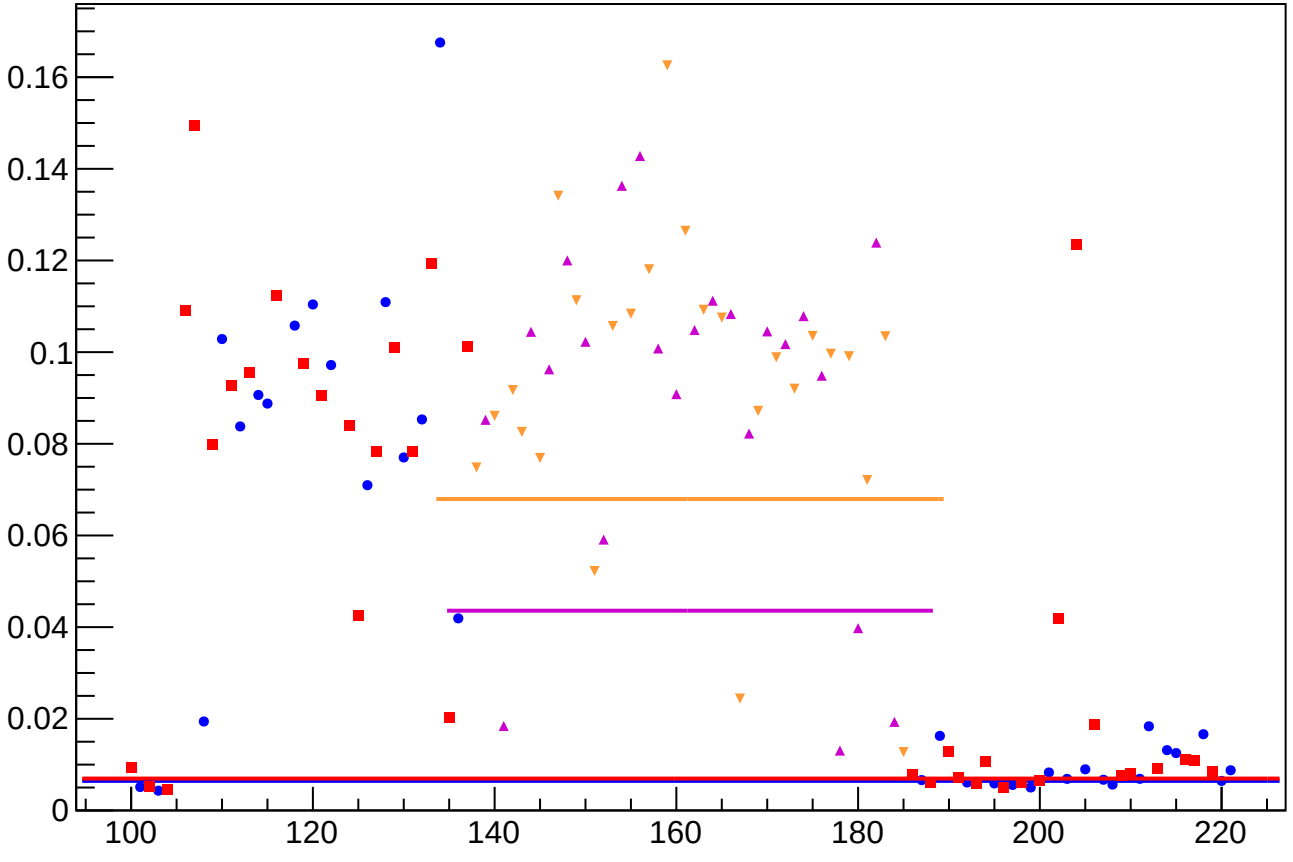
Right: -4.030+/-0.000 χ^2/NDF: 626140268843.1/70

In: -4.098+/-0.000 χ^2/NDF:314178382364.8/56

Out: -3.952+/-0.000 χ^2/NDF:310963700200.4/61

All: -4.035+/-0.000 χ^2/NDF: 626442349484.5

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: 10909047.3/36

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

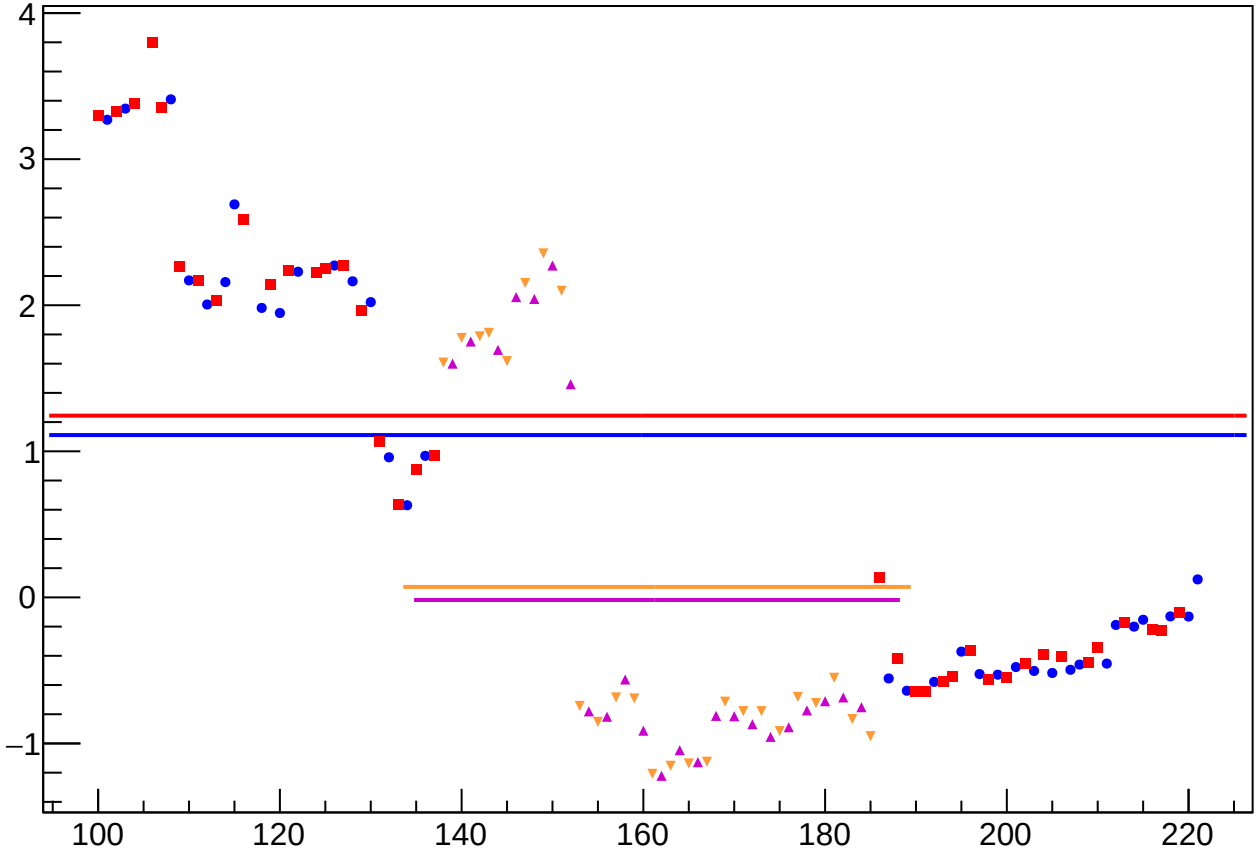
Right: 0.007+/-0.000 χ^2/NDF: 20599480.4/70

In: 0.008+/-0.000 χ^2/NDF:33372233.9/56

Out: 0.008+/-0.000 χ^2/NDF:37855151.7/61

All: 0.008+/-0.000 χ^2/NDF: 71328776.3/118

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.111+/-0.000 χ^2/NDF: 249105863011.1/33

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.244+/-0.000 χ^2/NDF: 224654900209.0/36

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

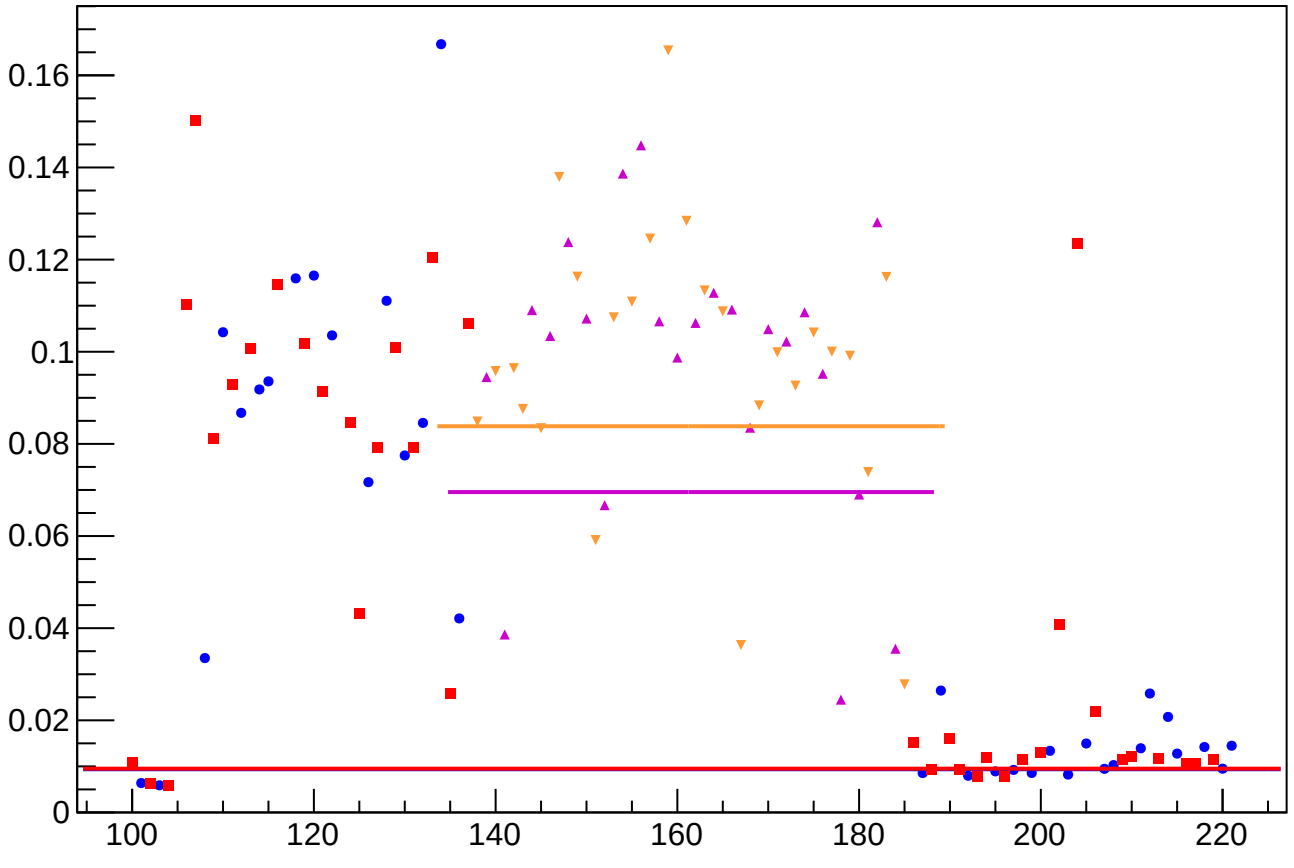
Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

Right: 1.174+/-0.000 χ^2/NDF: 474380561415.4/70

In: 1.076+/-0.000 χ^2/NDF:255499641549.7/56

Out: 1.209+/-0.000 χ^2/NDF:231032740858.6/61

All: 1.138+/-0.000 χ^2/NDF: 487165445651.7



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: 10552116.6/36

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

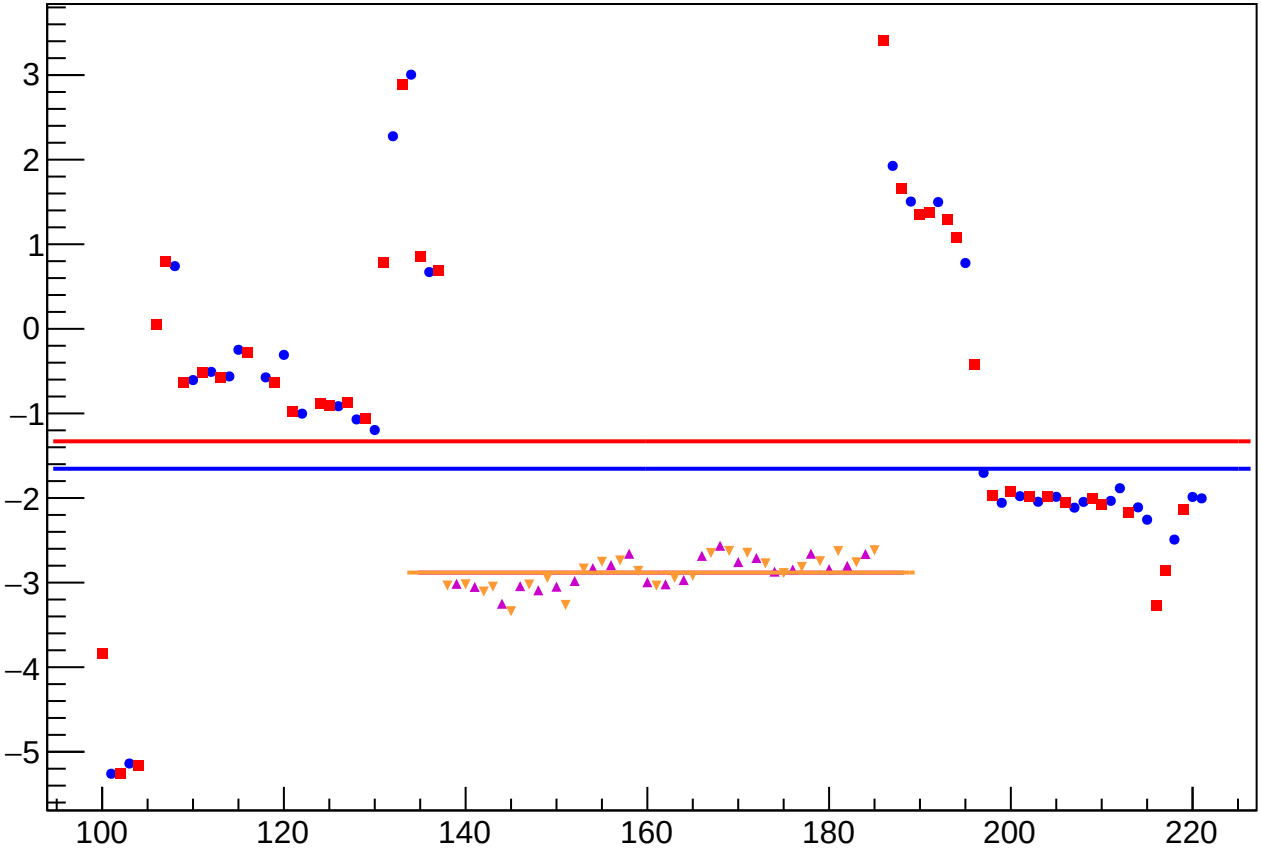
Right: 0.009+/-0.000 χ^2/NDF: 20048006.3/70

In: 0.011+/-0.000 χ^2/NDF:32874712.9/56

Out: 0.012+/-0.000 χ^2/NDF:36429642.1/61

All: 0.011+/-0.000 χ^2/NDF: 69323311.9/118

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: -1.330+/-0.000 χ^2/NDF: 246180012537.6/36

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

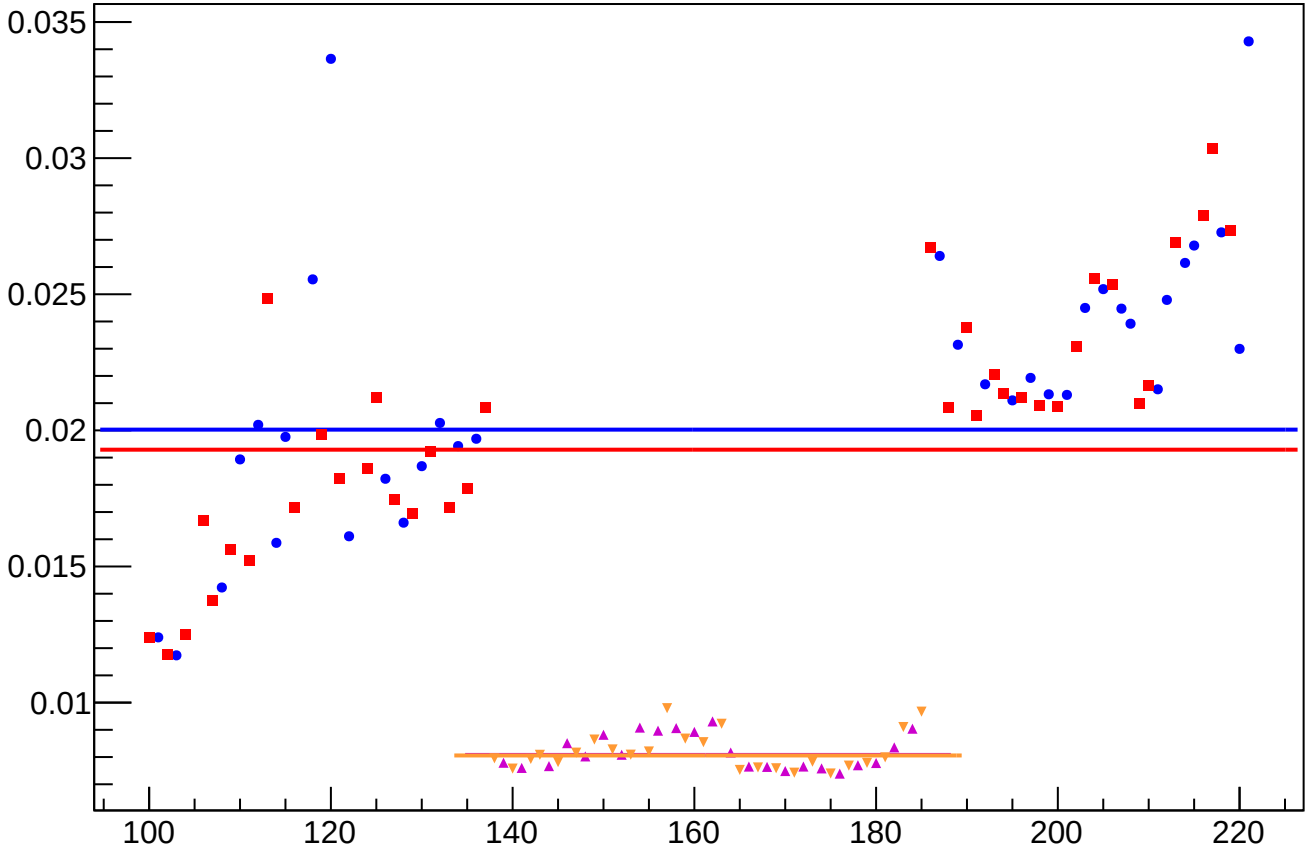
Right: -1.487+/-0.000 χ^2/NDF: 460099034757.7/70

In: -2.697+/-0.000 χ^2/NDF:280538019221.7/56

Out: -2.646+/-0.000 χ^2/NDF:360292453112.7/61

All: -2.671+/-0.000 χ^2/NDF: 641253002552.1

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: 0.019+/-0.000 χ^2/NDF: 2231663.1/36

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

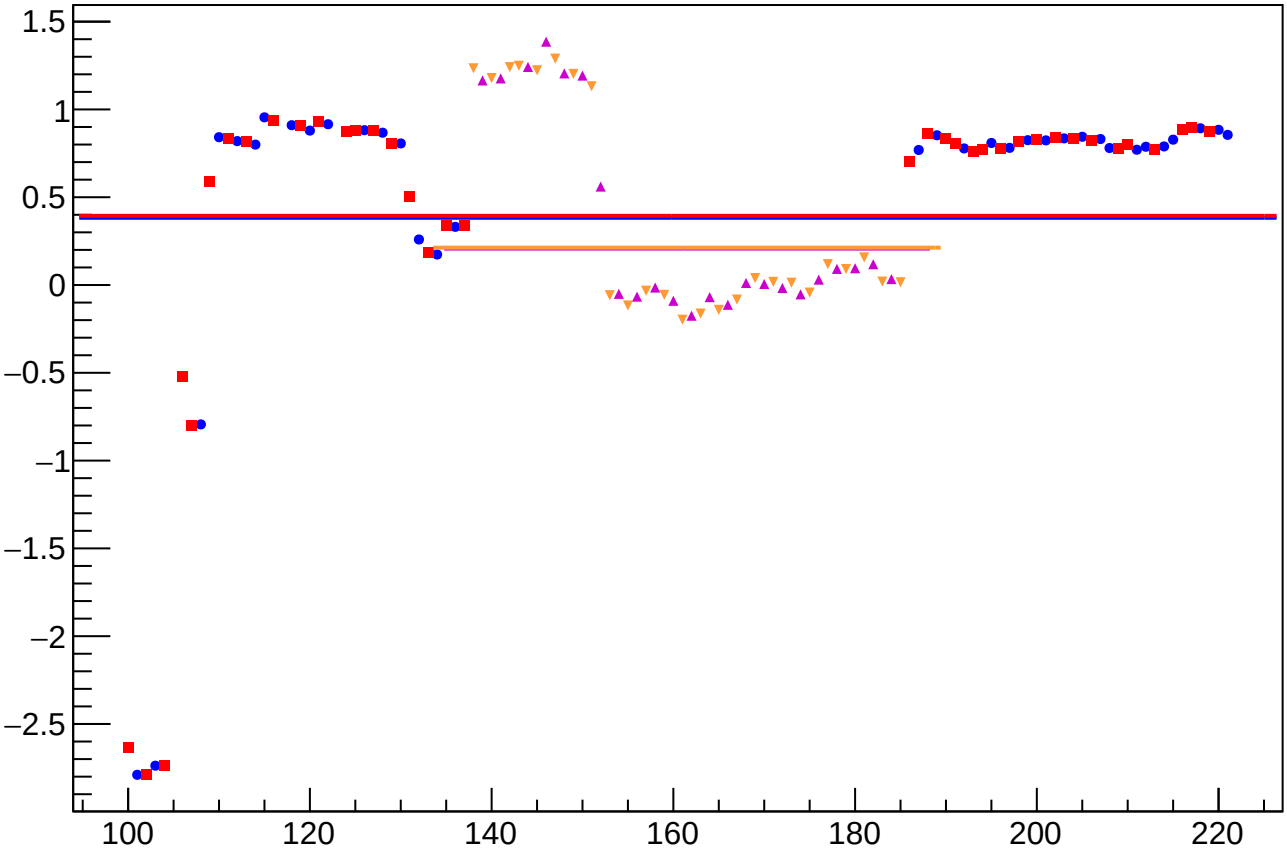
Right: 0.020+/-0.000 χ^2/NDF: 4744420.4/70

In: 0.010+/-0.000 χ^2/NDF:14191010.1/56

Out: 0.010+/-0.000 χ^2/NDF:13273939.3/61

All: 0.010+/-0.000 χ^2/NDF: 27469589.4/118

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: 0.394+/-0.000 χ^2/NDF: 1073406355713.7/36

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

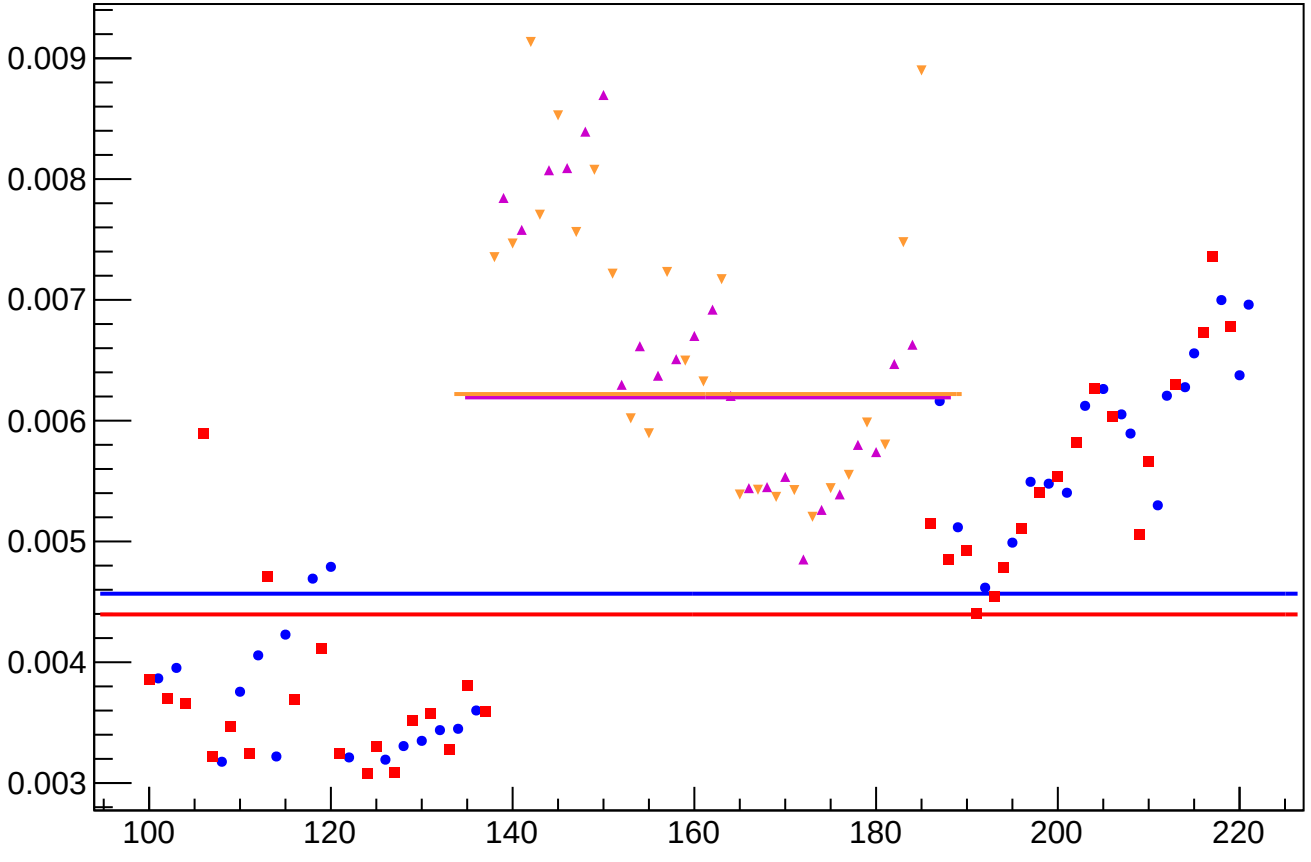
Right: 0.389+/-0.000 χ^2/NDF: 2070124682851.8/70

In: 0.330+/-0.000 χ^2/NDF:1092654064263.1/56

Out: 0.339+/-0.000 χ^2/NDF:1186105342942.2/61

All: 0.335+/-0.000 χ^2/NDF: 2278824648385.

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: 2561354.9/36

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

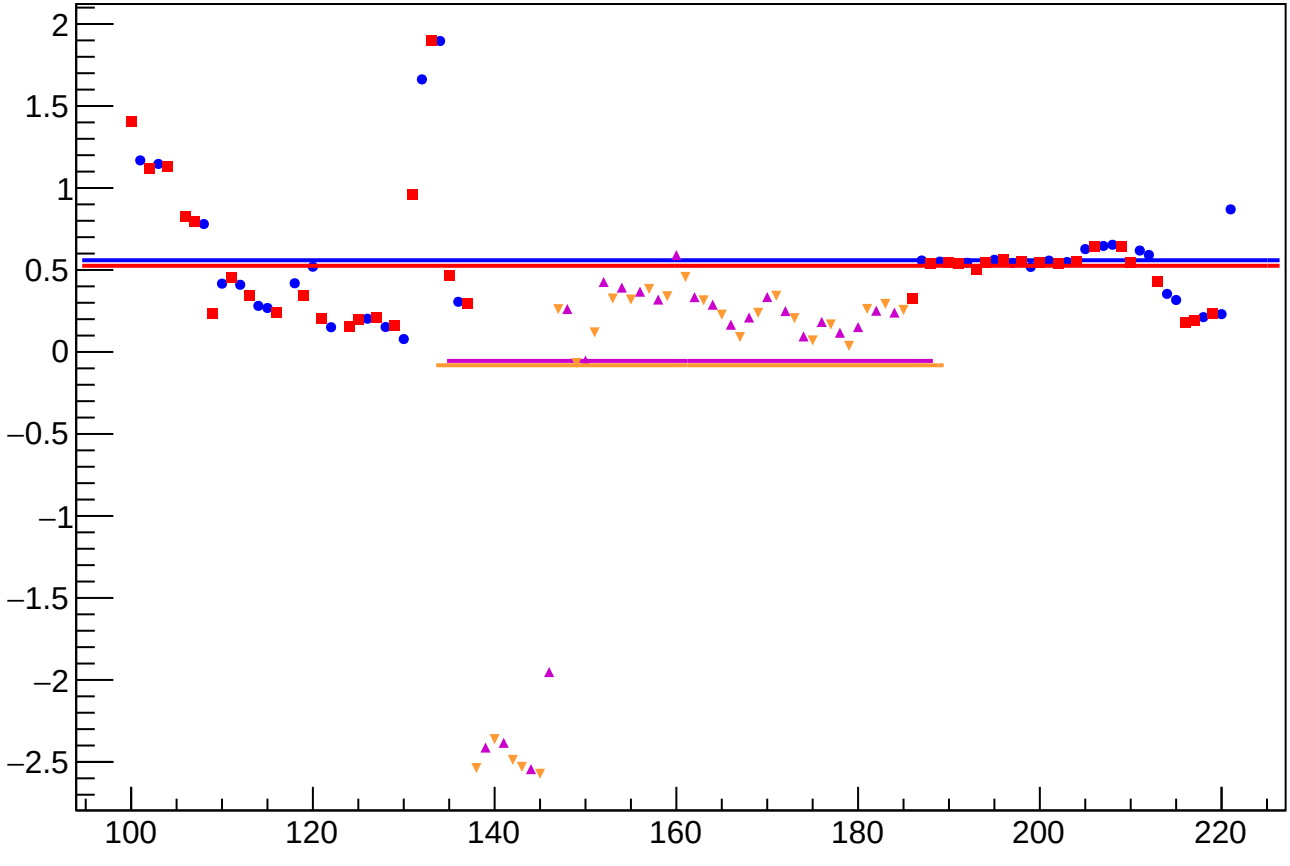
Right: 0.004+/-0.000 χ^2/NDF: 5363394.4/70

In: 0.005+/-0.000 χ^2/NDF:5108682.8/56

Out: 0.005+/-0.000 χ^2/NDF:5378477.9/61

All: 0.005+/-0.000 χ^2/NDF: 10506235.0/118

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: 0.526+/-0.000 χ^2/NDF: 68304221037.5/36

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

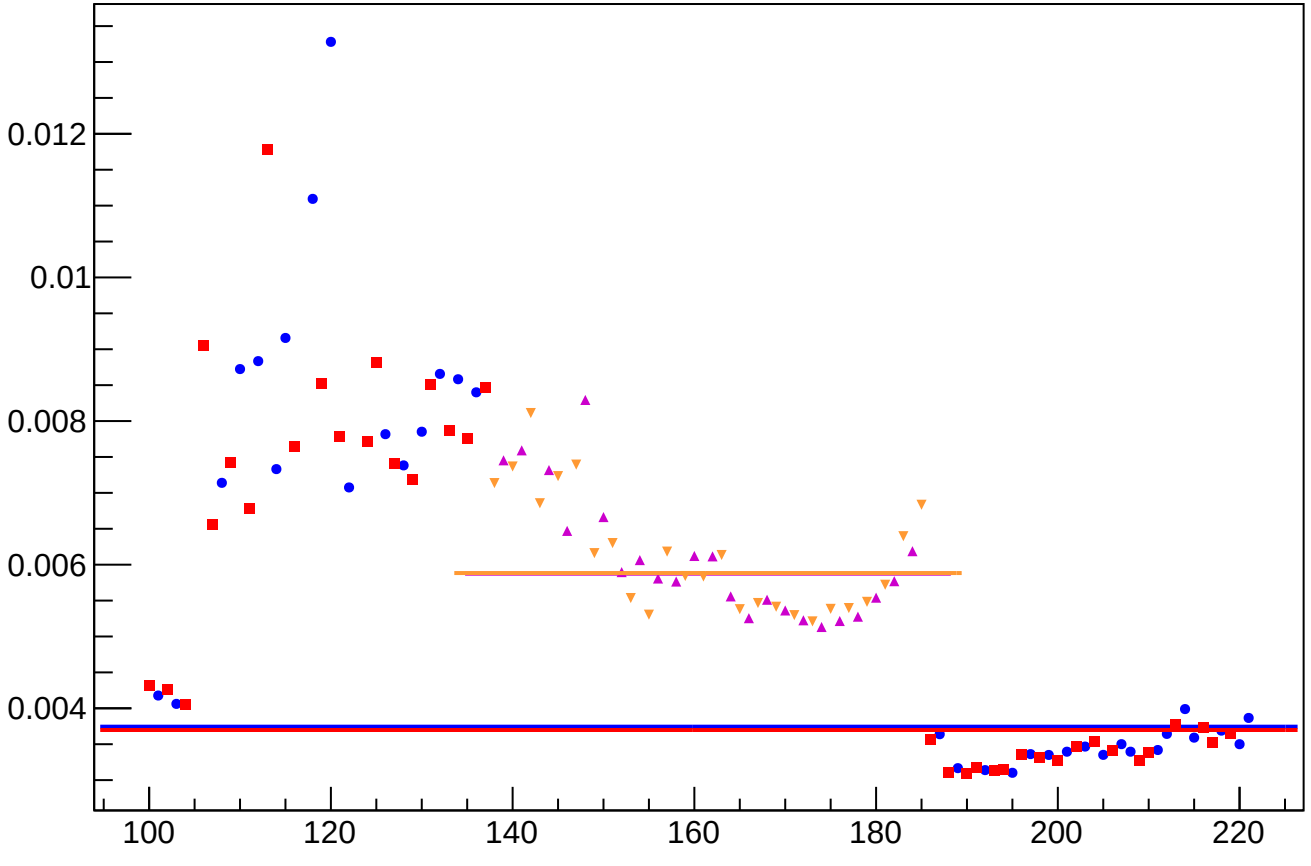
Right: 0.542+/-0.000 χ^2/NDF: 143845815649.2/70

In: 0.396+/-0.000 χ^2/NDF:556022423762.7/56

Out: 0.360+/-0.000 χ^2/NDF:592310146227.8/61

All: 0.378+/-0.000 χ^2/NDF: 1149539111825.

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: 3484507.8/36

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

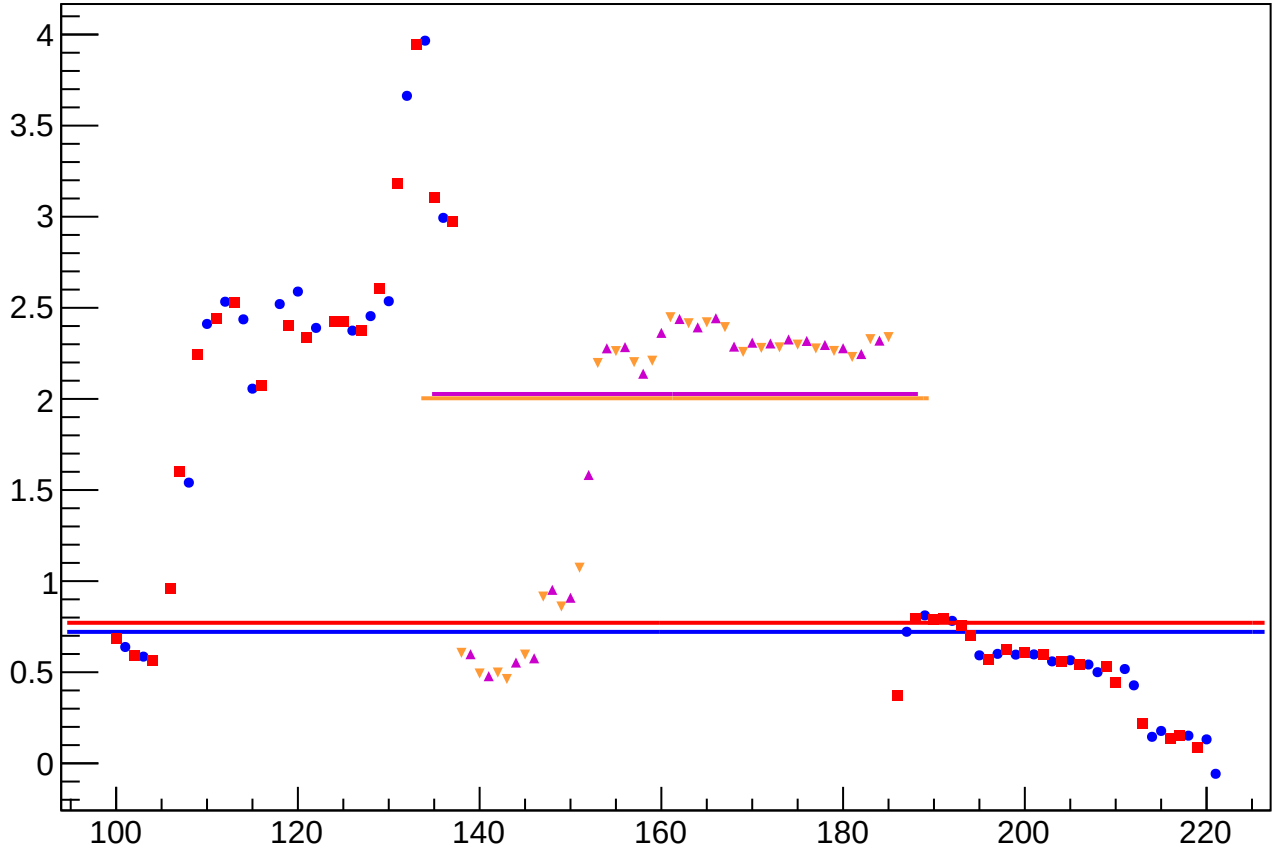
Right: 0.004+/-0.000 χ^2/NDF: 6993724.1/70

In: 0.004+/-0.000 χ^2/NDF:7260971.9/56

Out: 0.004+/-0.000 χ^2/NDF:7462702.4/61

All: 0.004+/-0.000 χ^2/NDF: 14724129.4/118

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: 0.771+/-0.000 χ^2/NDF: 321107503811.2/36

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

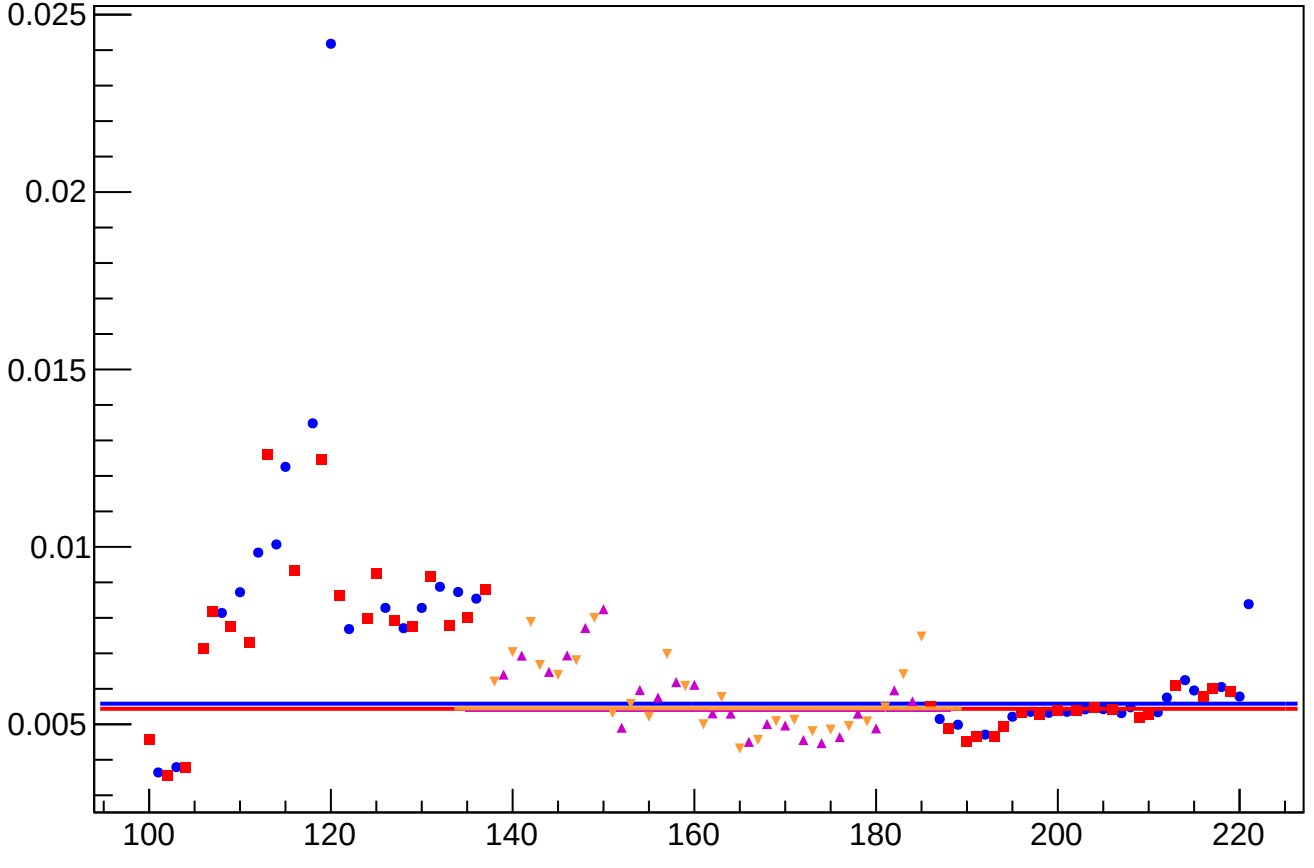
Right: 0.747+/-0.000 χ^2/NDF: 619826535137.4/70

In: 1.327+/-0.000 χ^2/NDF:977924125194.7/56

Out: 1.340+/-0.000 χ^2/NDF:991239867501.2/61

All: 1.334+/-0.000 χ^2/NDF: 1969256146212.

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: 0.005+/-0.000 χ^2/NDF: 2189101.8/36

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

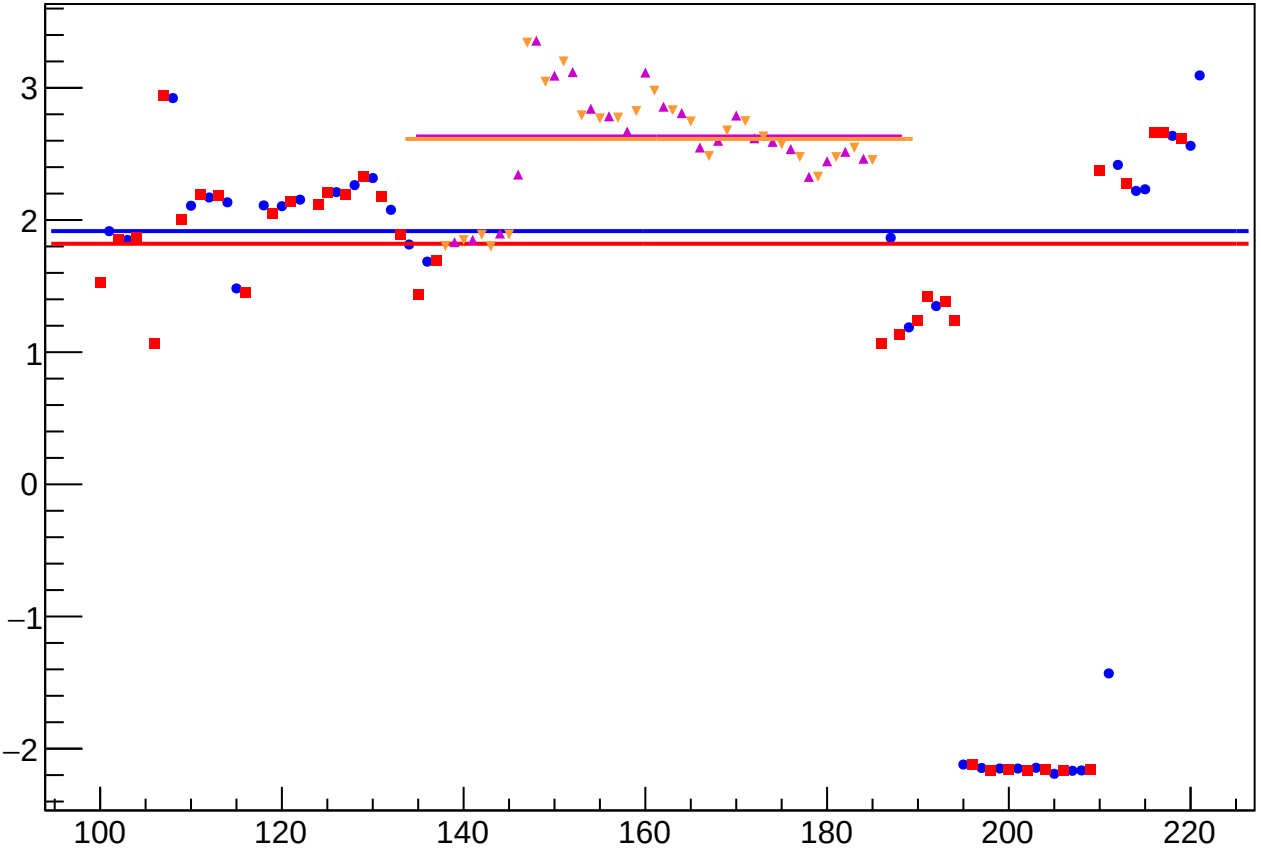
Right: 0.006+/-0.000 χ^2/NDF: 4775262.4/70

In: 0.005+/-0.000 χ^2/NDF:3405918.9/56

Out: 0.005+/-0.000 χ^2/NDF:2960606.0/61

All: 0.005+/-0.000 χ^2/NDF: 6370321.6/118

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: 1.820+/-0.000 χ^2/NDF: 177576513279.7/36

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

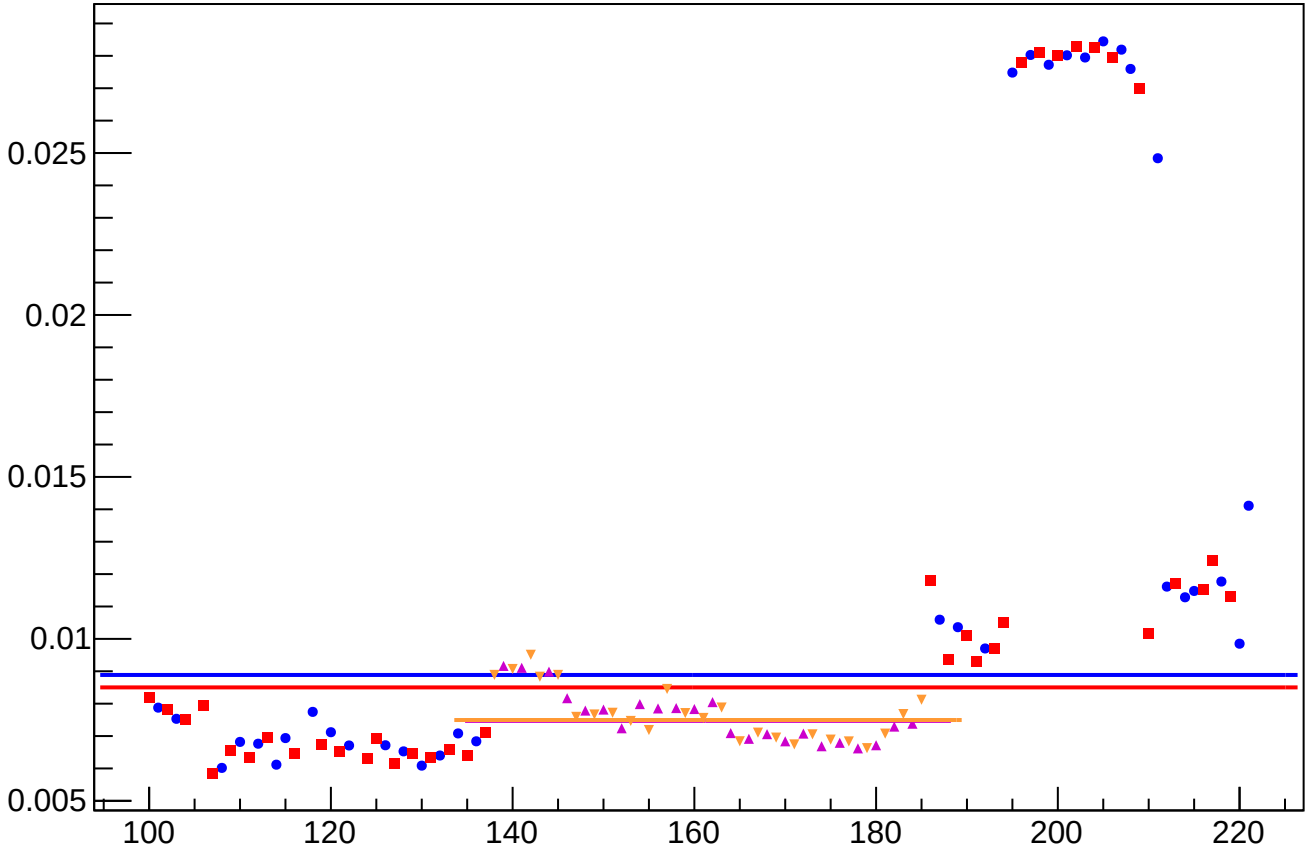
Right: 1.866+/-0.000 χ^2/NDF: 379234020651.0/70

In: 2.342+/-0.000 χ^2/NDF:305764767338.6/56

Out: 2.282+/-0.000 χ^2/NDF:308928475798.1/61

All: 2.311+/-0.000 χ^2/NDF: 615655542687.4

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: 7780181.7/36

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

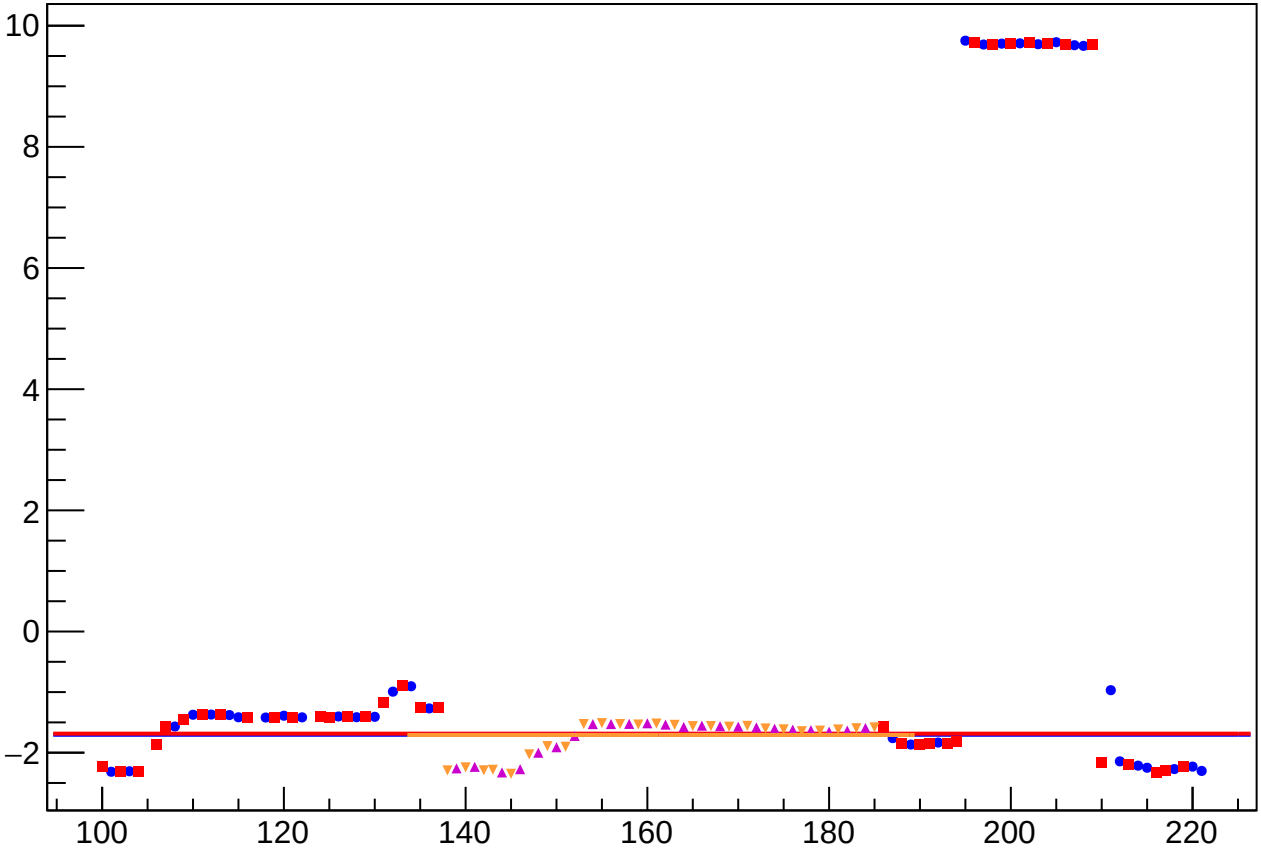
Right: 0.009+/-0.000 χ^2/NDF: 16855400.4/70

In: 0.008+/-0.000 χ^2/NDF:9871204.4/56

Out: 0.008+/-0.000 χ^2/NDF:8386887.1/61

All: 0.008+/-0.000 χ^2/NDF: 18266745.8/118

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: -1.686+/-0.000 χ^2/NDF: 477392960406.4/36

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

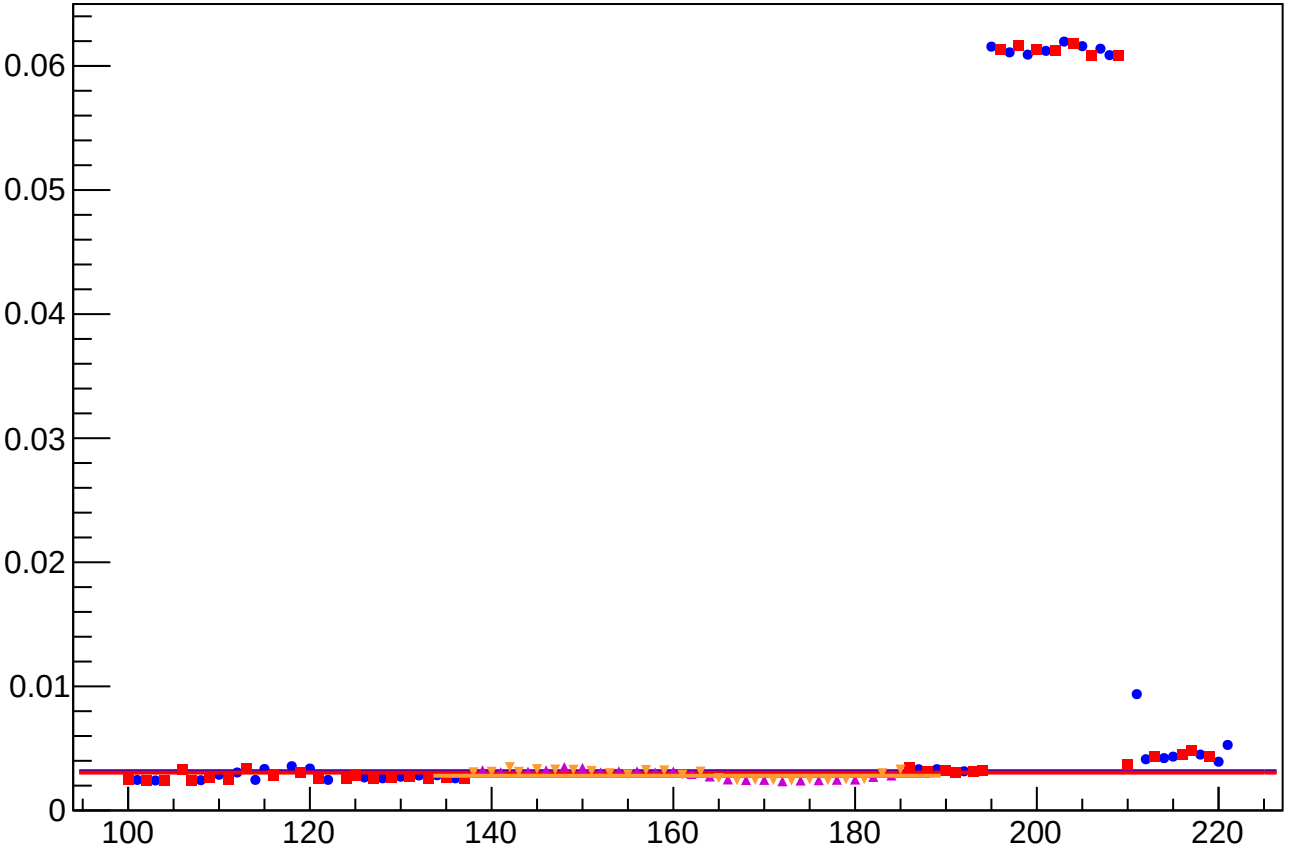
Right: -1.695+/-0.000 χ^2/NDF: 993087572529.4/70

In: -1.705+/-0.000 χ^2/NDF:651985351984.6/56

Out: -1.699+/-0.000 χ^2/NDF:629667982697.3/61

All: -1.702+/-0.000 χ^2/NDF: 1281723709463

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: 12301593.1/36

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

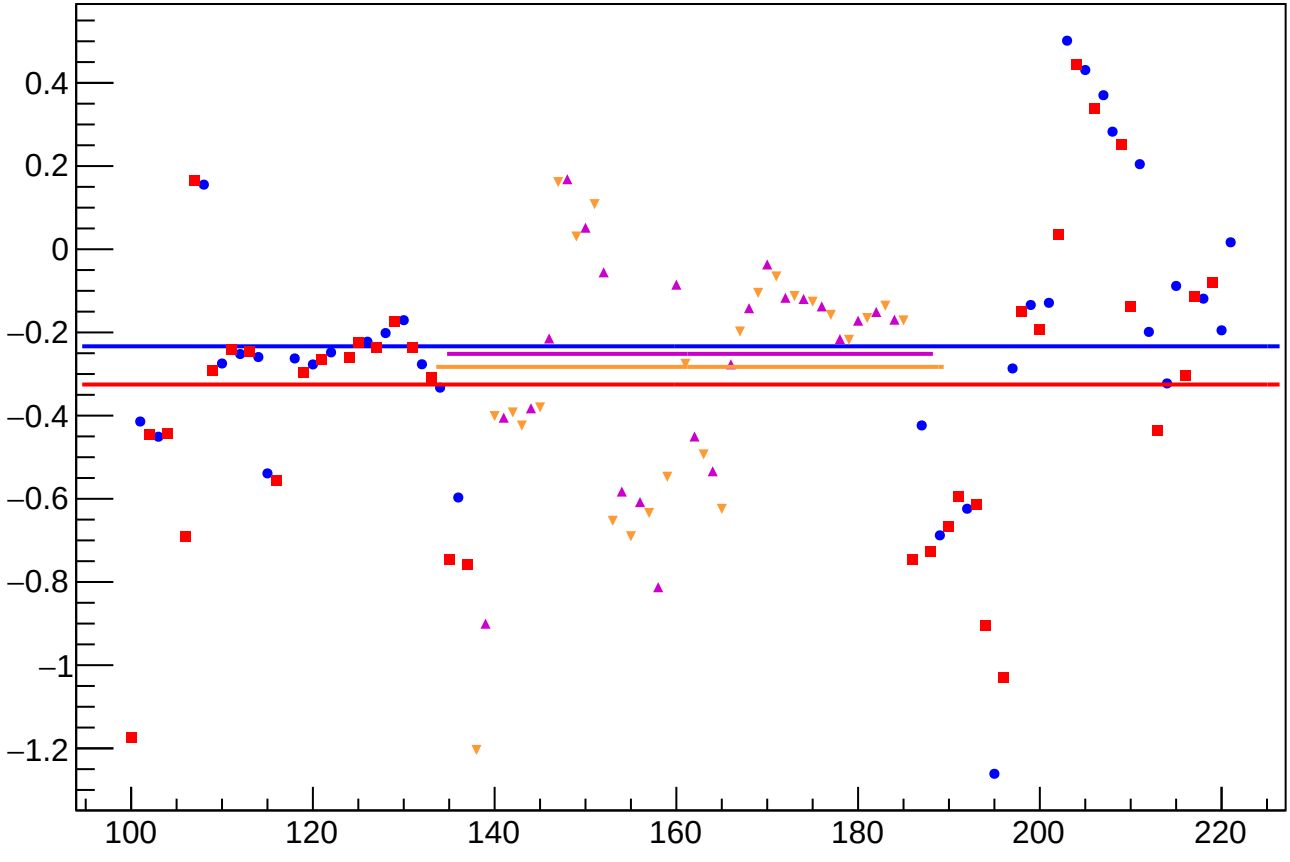
Right: 0.003+/-0.000 χ^2/NDF: 26344159.5/70

In: 0.003+/-0.000 χ^2/NDF:14820608.4/56

Out: 0.003+/-0.000 χ^2/NDF:12968582.4/61

All: 0.003+/-0.000 χ^2/NDF: 27792380.4/118

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: -0.325+/-0.000 χ^2/NDF: 10112606325.6/36

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

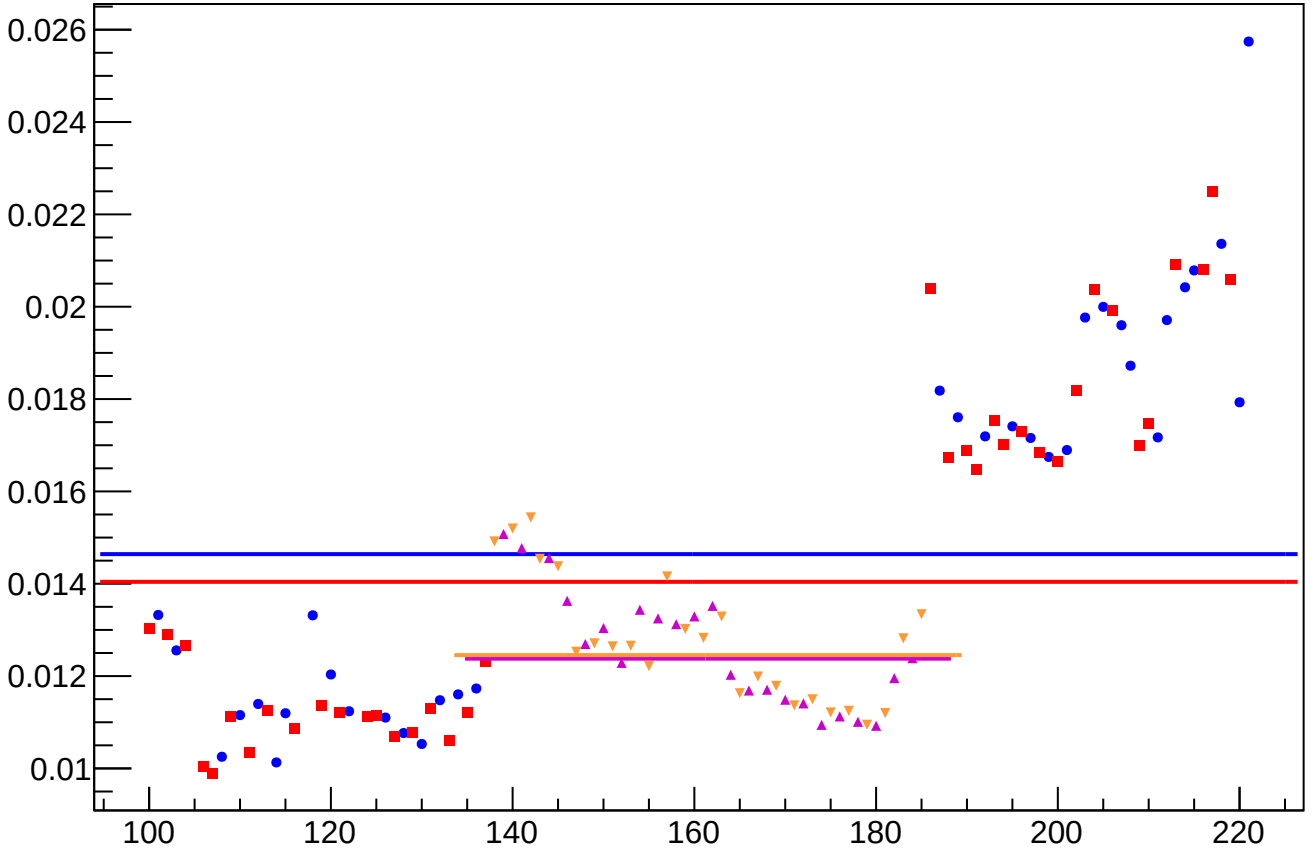
Right: -0.281+/-0.000 χ^2/NDF: 20405351777.5/70

In: -0.243+/-0.000 χ^2/NDF:17073972253.3/56

Out: -0.302+/-0.000 χ^2/NDF:19552701667.9/61

All: -0.274+/-0.000 χ^2/NDF: 36991022053.3/

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: 2707703.2/36

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

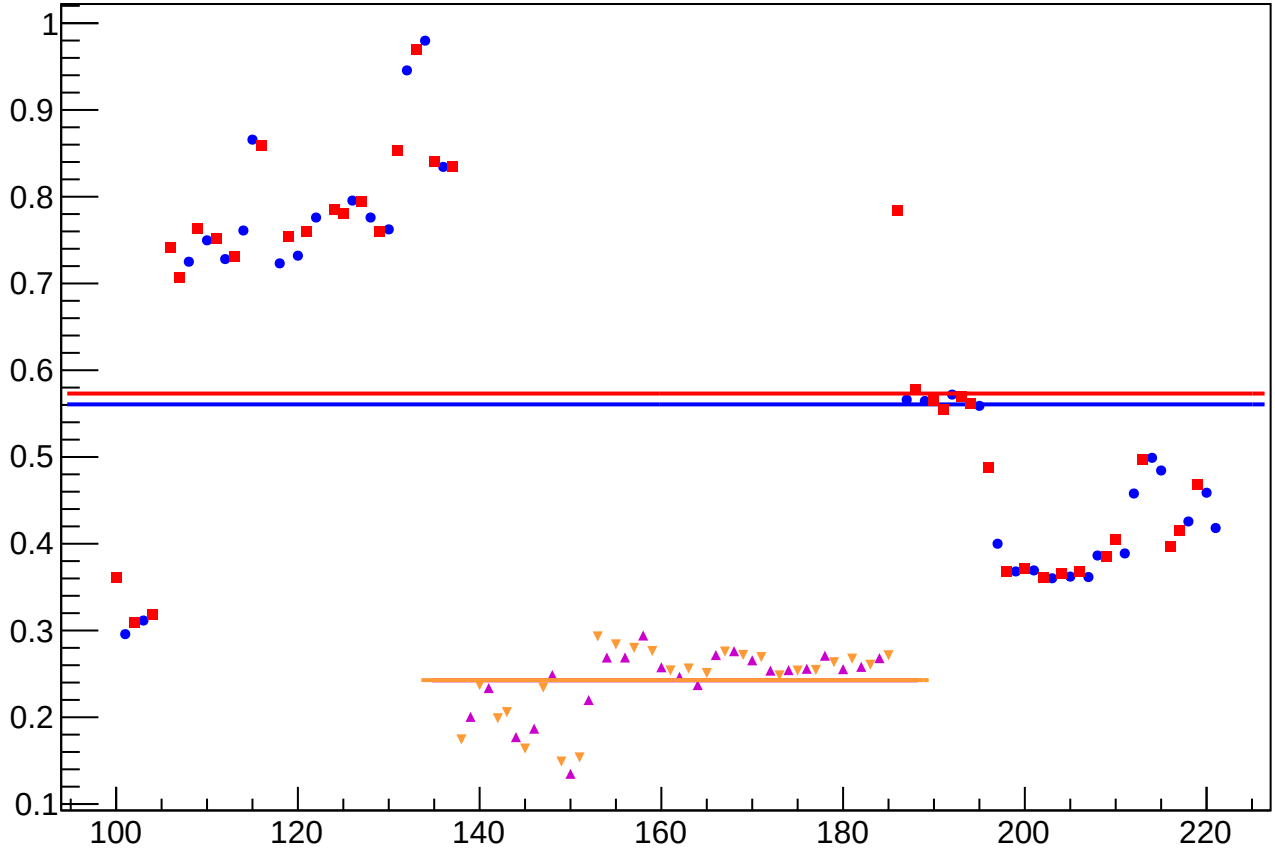
Right: 0.014+/-0.000 χ^2/NDF: 5469677.2/70

In: 0.013+/-0.000 χ^2/NDF:3575751.6/56

Out: 0.013+/-0.000 χ^2/NDF:3319400.2/61

All: 0.013+/-0.000 χ^2/NDF: 6905234.4/118

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: 0.573+/-0.000 χ^2/NDF: 97466053920.7/36

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

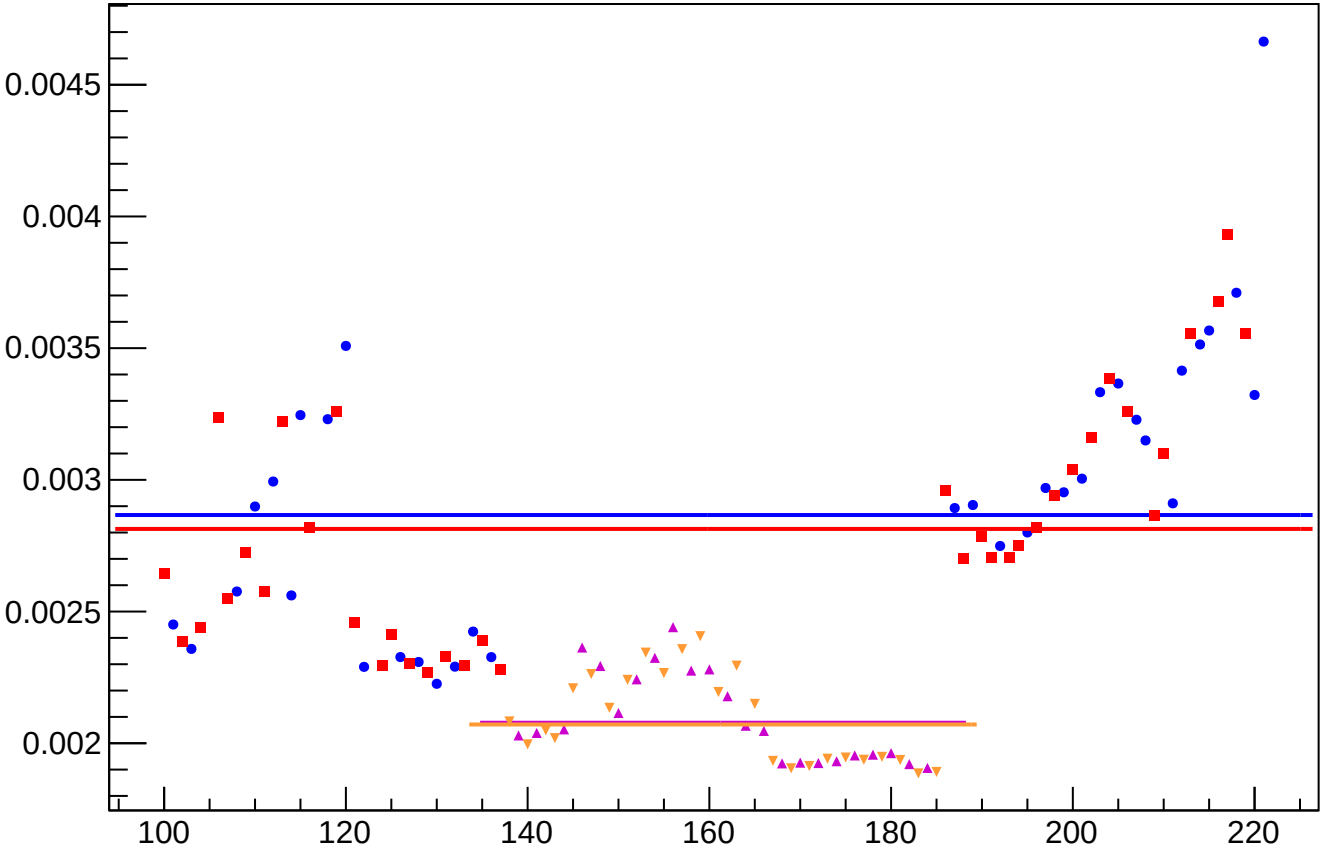
Right: 0.567+/-0.000 χ^2/NDF: 199582767212.8/70

In: 0.362+/-0.000 χ^2/NDF:266688252333.7/56

Out: 0.364+/-0.000 χ^2/NDF:282335051628.0/61

All: 0.363+/-0.000 χ^2/NDF: 549033554377.6

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: 902833.6/36

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

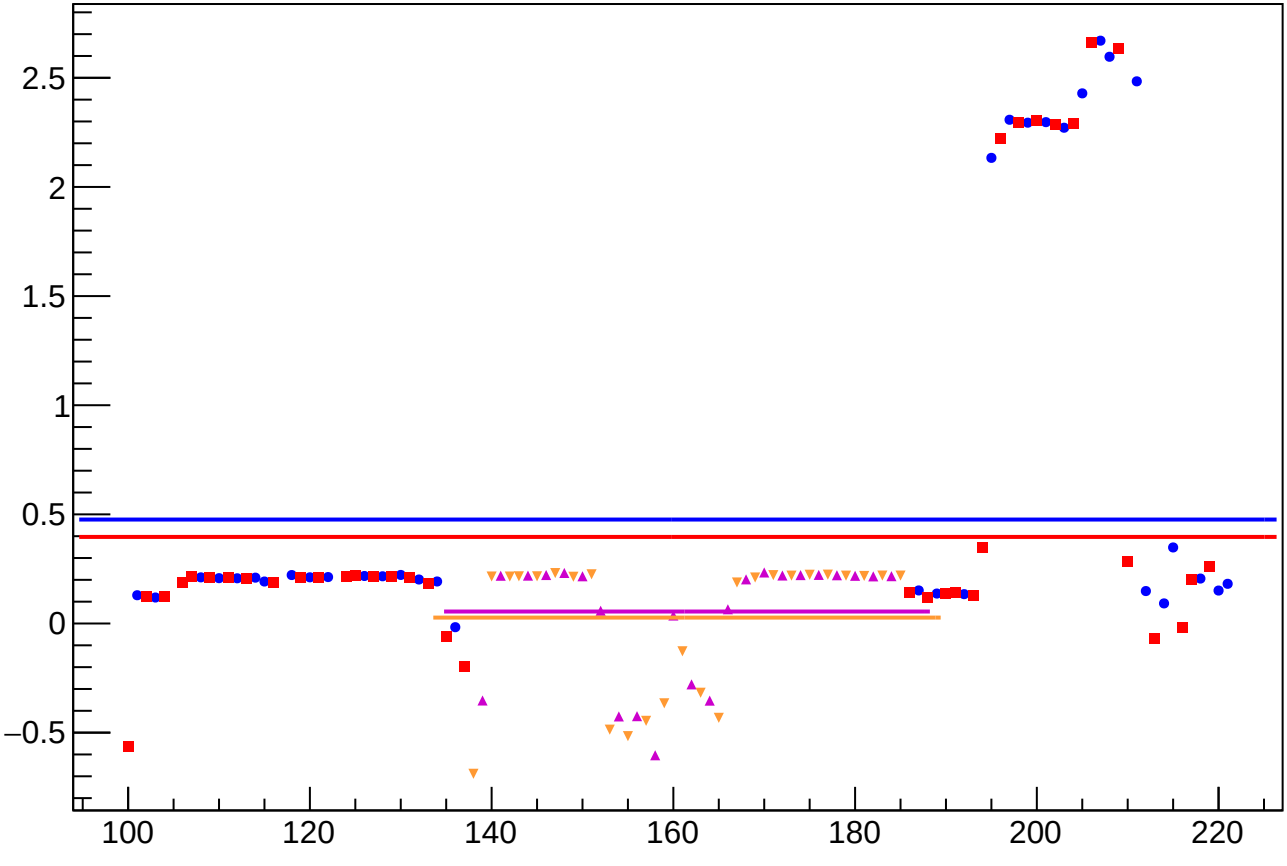
Right: 0.003+/-0.000 χ^2/NDF: 2142802.7/70

In: 0.002+/-0.000 χ^2/NDF:3399337.7/56

Out: 0.002+/-0.000 χ^2/NDF:2931015.3/61

All: 0.002+/-0.000 χ^2/NDF: 6336907.7/118

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: 0.397+/-0.000 χ^2/NDF: 55266241142.1/36

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

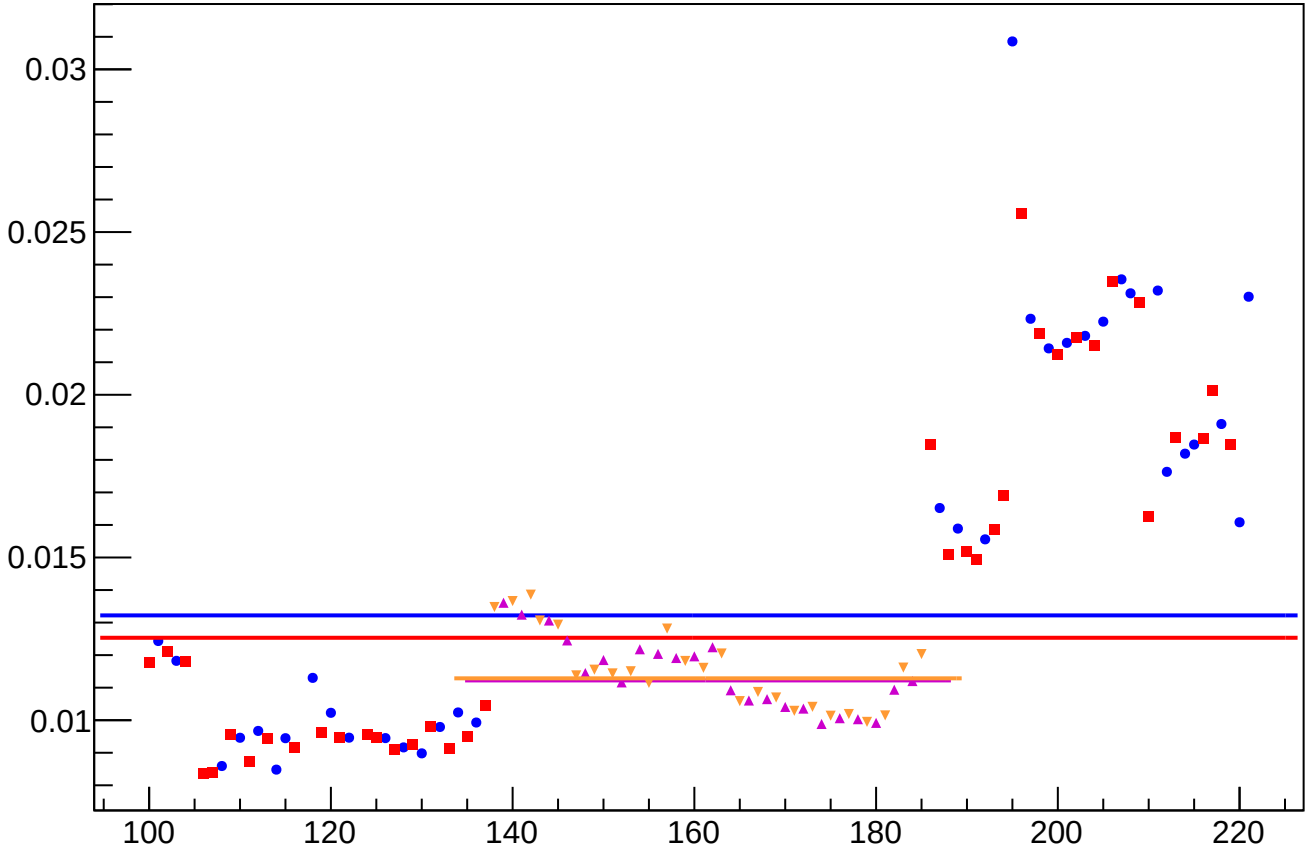
Right: 0.435+/-0.000 χ^2/NDF: 118099535627.9/70

In: 0.238+/-0.000 χ^2/NDF:82832713321.5/56

Out: 0.193+/-0.000 χ^2/NDF:77027695800.7/61

All: 0.215+/-0.000 χ^2/NDF: 160125186827.8

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: 5109216.6/36

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

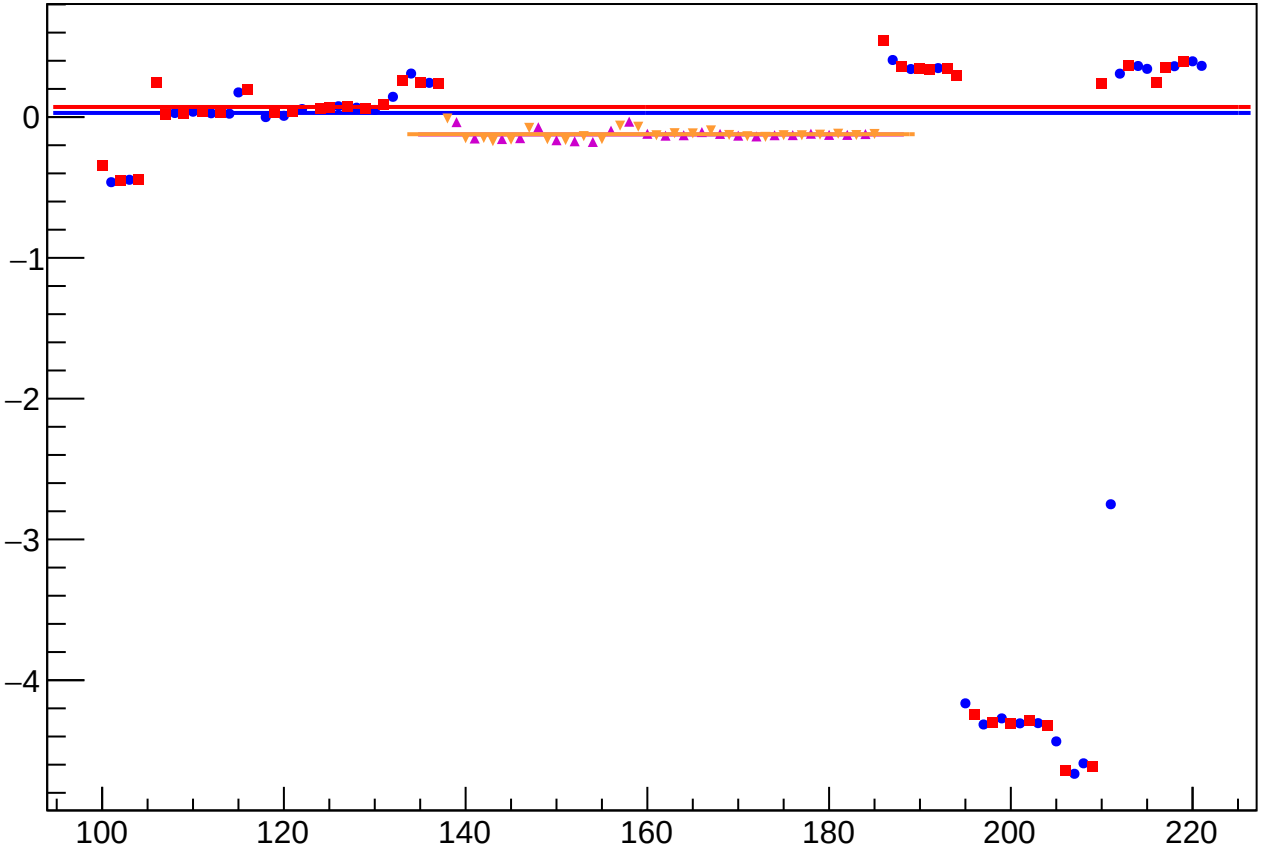
Right: 0.013+/-0.000 χ^2/NDF: 10718326.1/70

In: 0.012+/-0.000 χ^2/NDF:6350567.0/56

Out: 0.012+/-0.000 χ^2/NDF:5637335.4/61

All: 0.012+/-0.000 χ^2/NDF: 12003421.8/118

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: 0.072+/-0.000 χ^2/NDF: 407955891733.9/36

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

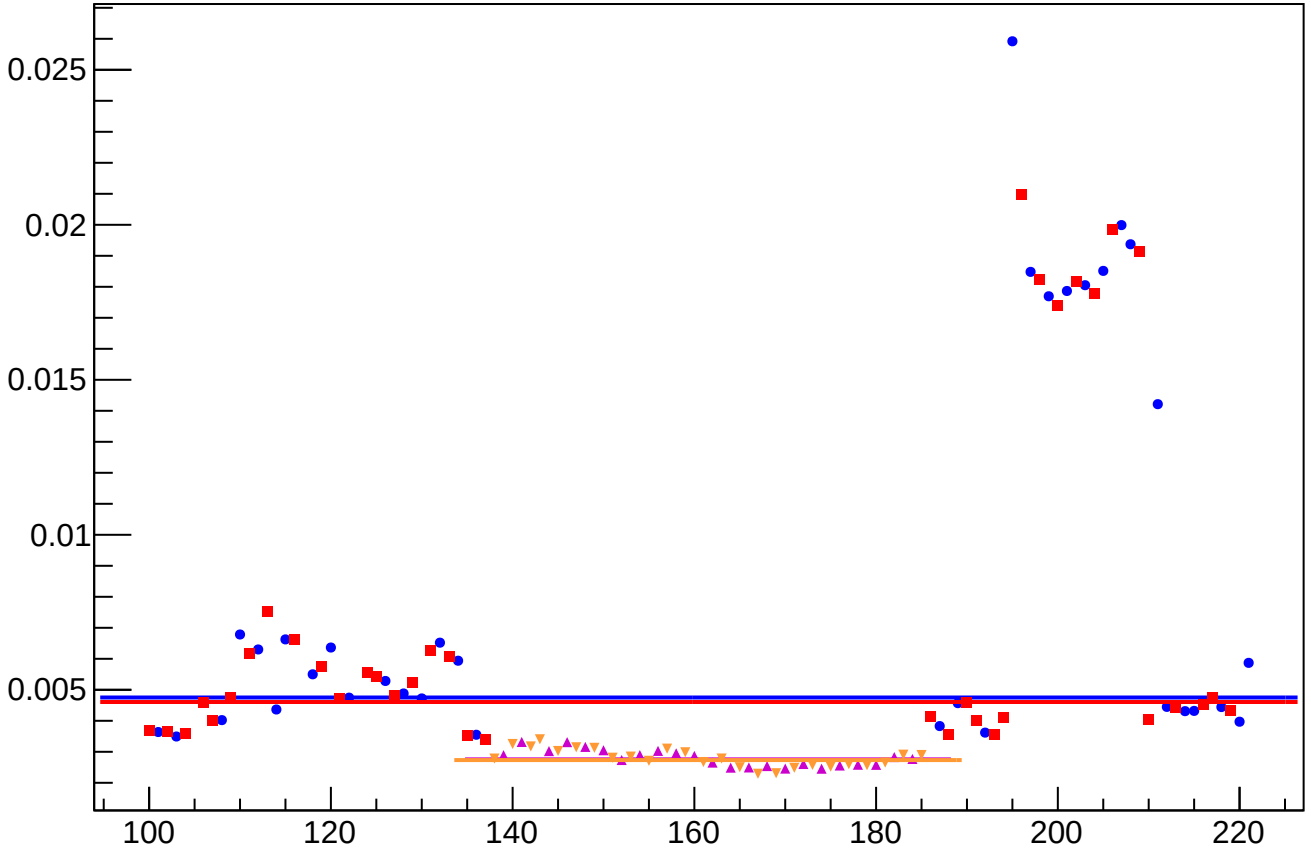
Right: 0.051+/-0.000 χ^2/NDF: 863925603070.2/70

In: -0.088+/-0.000 χ^2/NDF:470721499742.1/56

Out: -0.076+/-0.000 χ^2/NDF:432555163018.9/61

All: -0.082+/-0.000 χ^2/NDF: 903480259693.0

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: 8017535.8/36

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

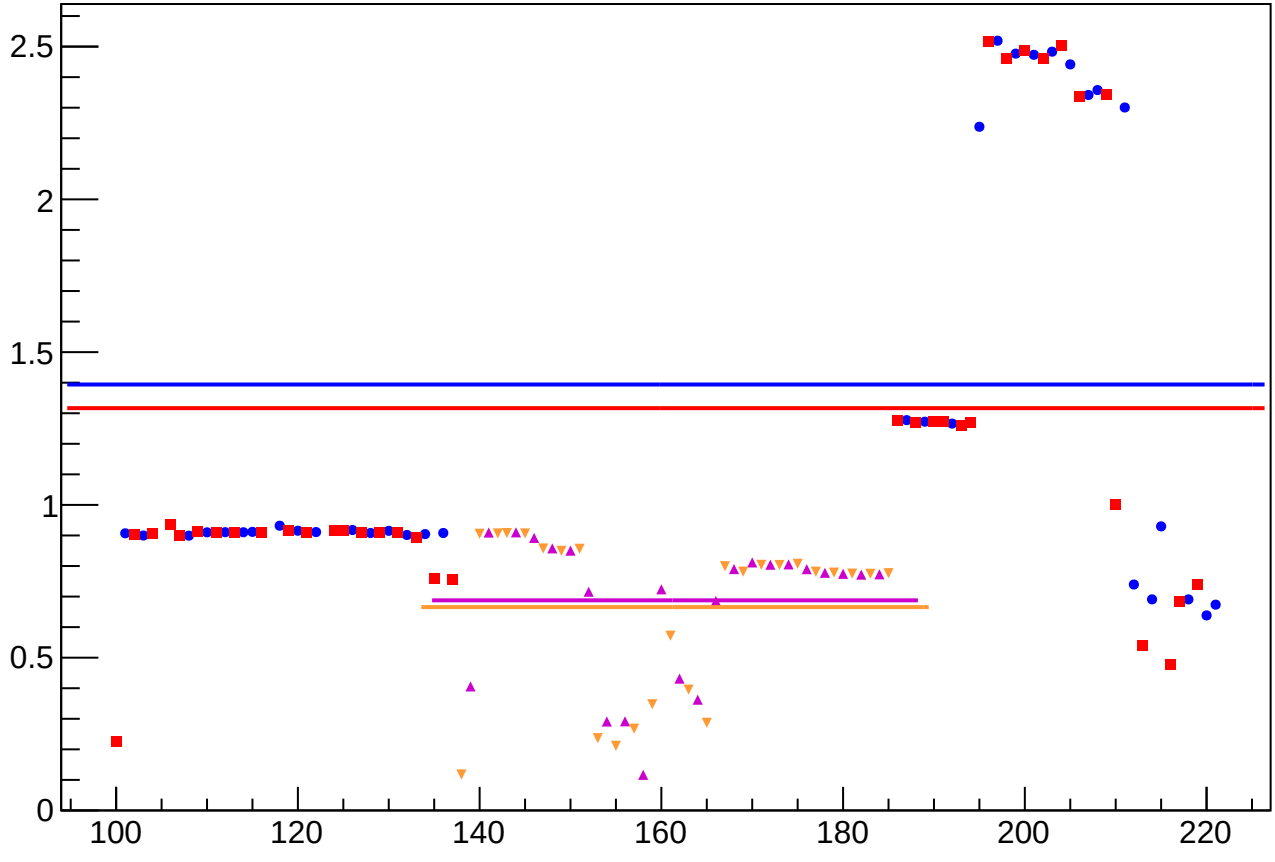
Right: 0.005+/-0.000 χ^2/NDF: 17519597.1/70

In: 0.003+/-0.000 χ^2/NDF:14065638.2/56

Out: 0.003+/-0.000 χ^2/NDF:12476381.2/61

All: 0.003+/-0.000 χ^2/NDF: 26550241.2/118

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: 1.317+/-0.000 χ^2/NDF: 57182723540.1/36

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

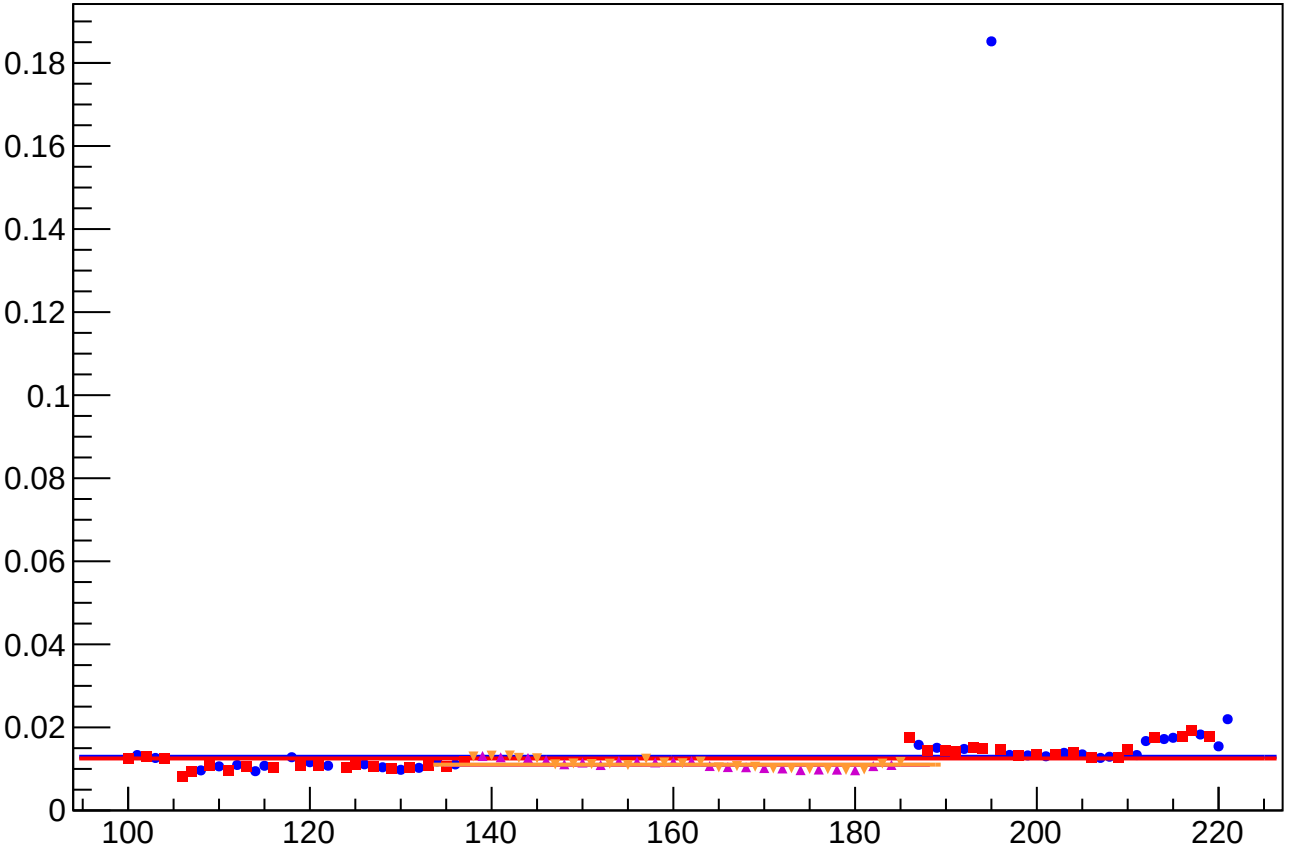
Right: 1.354+/-0.000 χ^2/NDF: 118875039909.1/70

In: 1.005+/-0.000 χ^2/NDF:100861300436.3/56

Out: 0.959+/-0.000 χ^2/NDF:95360498115.0/61

All: 0.982+/-0.000 χ^2/NDF: 196503398246.9

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: 1506228.5/36

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

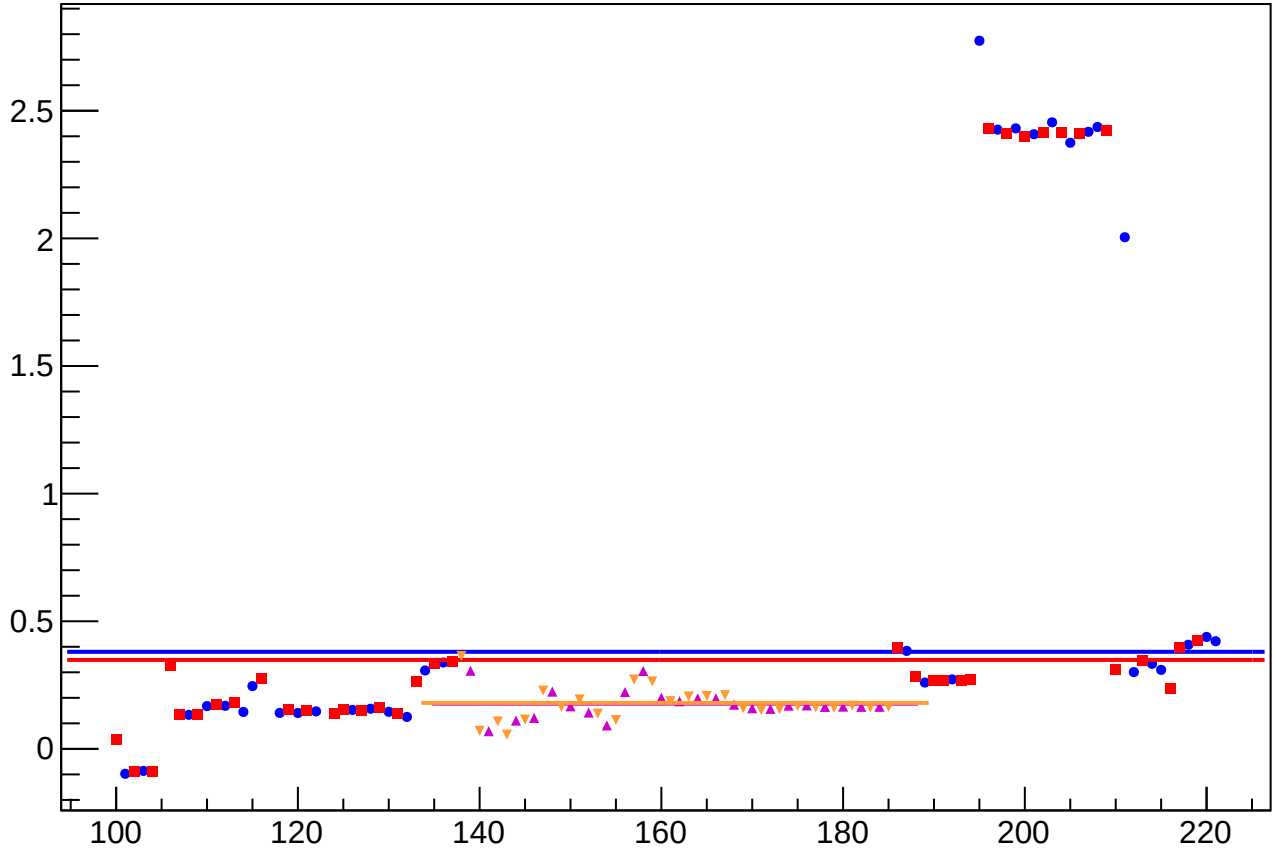
Right: 0.013+/-0.000 χ^2/NDF: 4462401.2/70

In: 0.012+/-0.000 χ^2/NDF:3724281.3/56

Out: 0.012+/-0.000 χ^2/NDF:2108630.9/61

All: 0.012+/-0.000 χ^2/NDF: 5838532.2/118

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: 0.349+/-0.000 χ^2/NDF: 164198897341.1/36

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

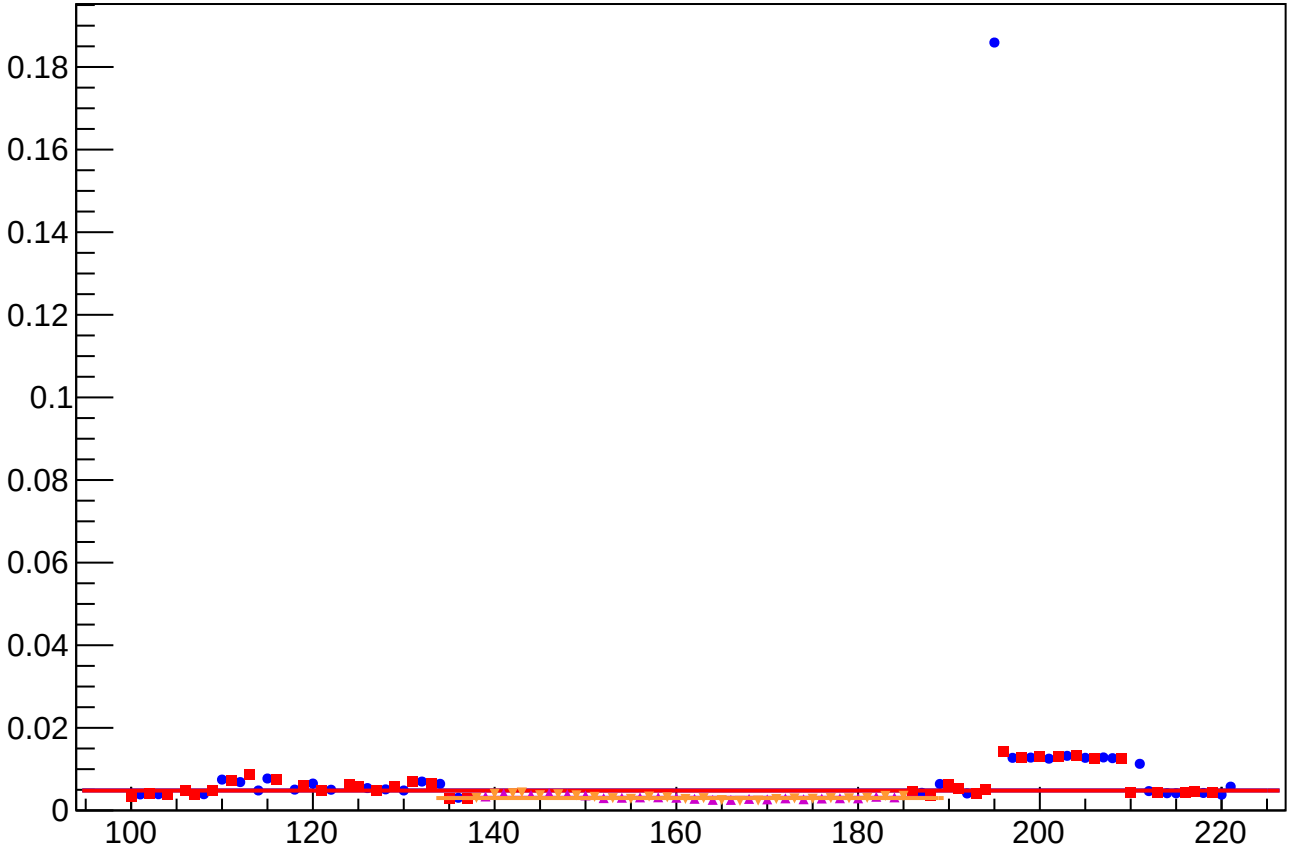
Right: 0.364+/-0.000 χ^2/NDF: 356347877624.2/70

In: 0.234+/-0.000 χ^2/NDF:216917883816.9/56

Out: 0.224+/-0.000 χ^2/NDF:185276207304.0/61

All: 0.229+/-0.000 χ^2/NDF: 402315001847.8

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: 6002298.1/36

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

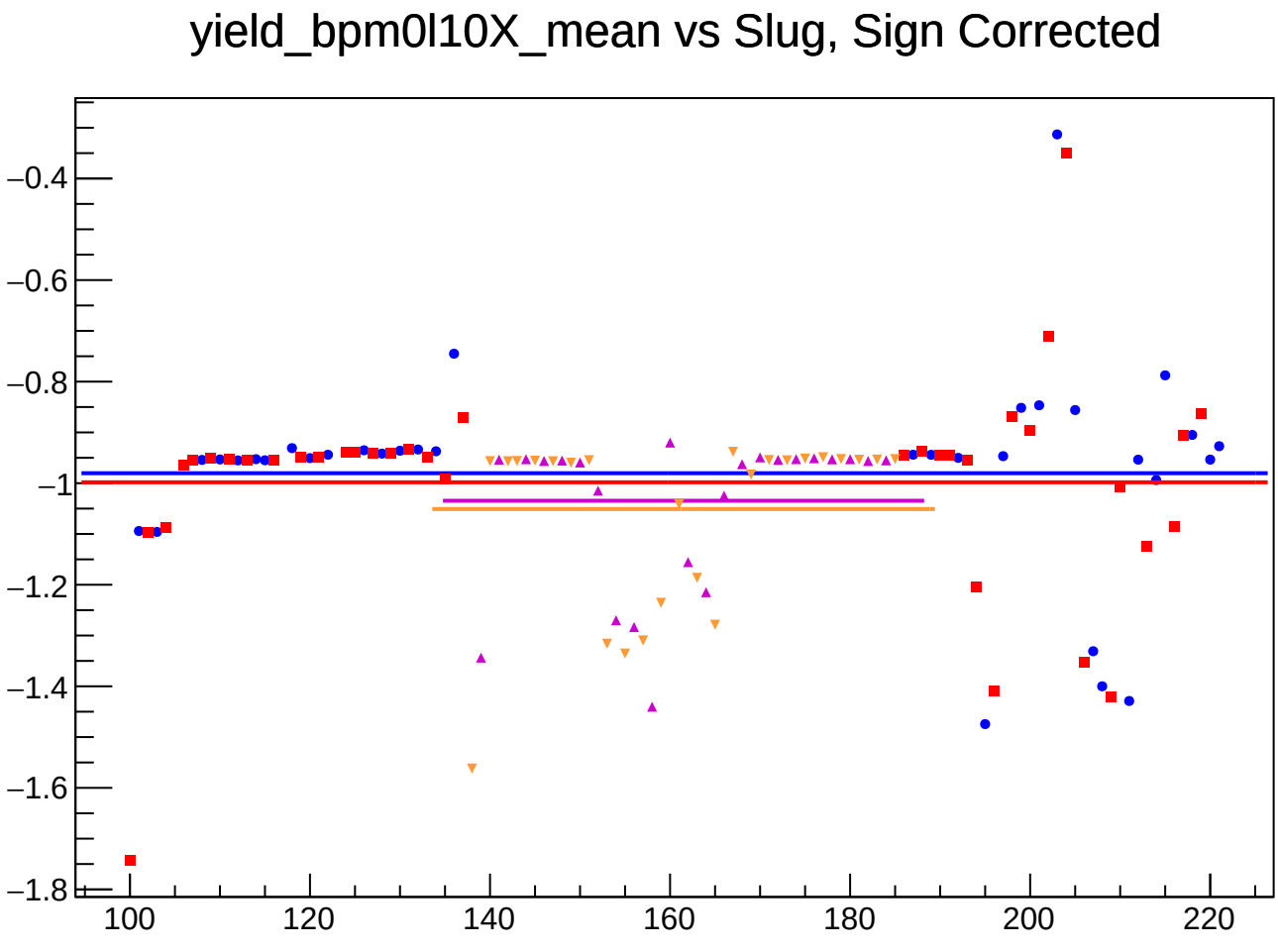
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 14151597.4/70

In: 0.004+/-0.000 χ^2/NDF:11871913.0/56

Out: 0.003+/-0.000 χ^2/NDF:10271396.3/61

All: 0.004+/-0.000 χ^2/NDF: 22165455.2/118



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: -0.998+/-0.000 χ^2/NDF: 5179381002.9/36

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

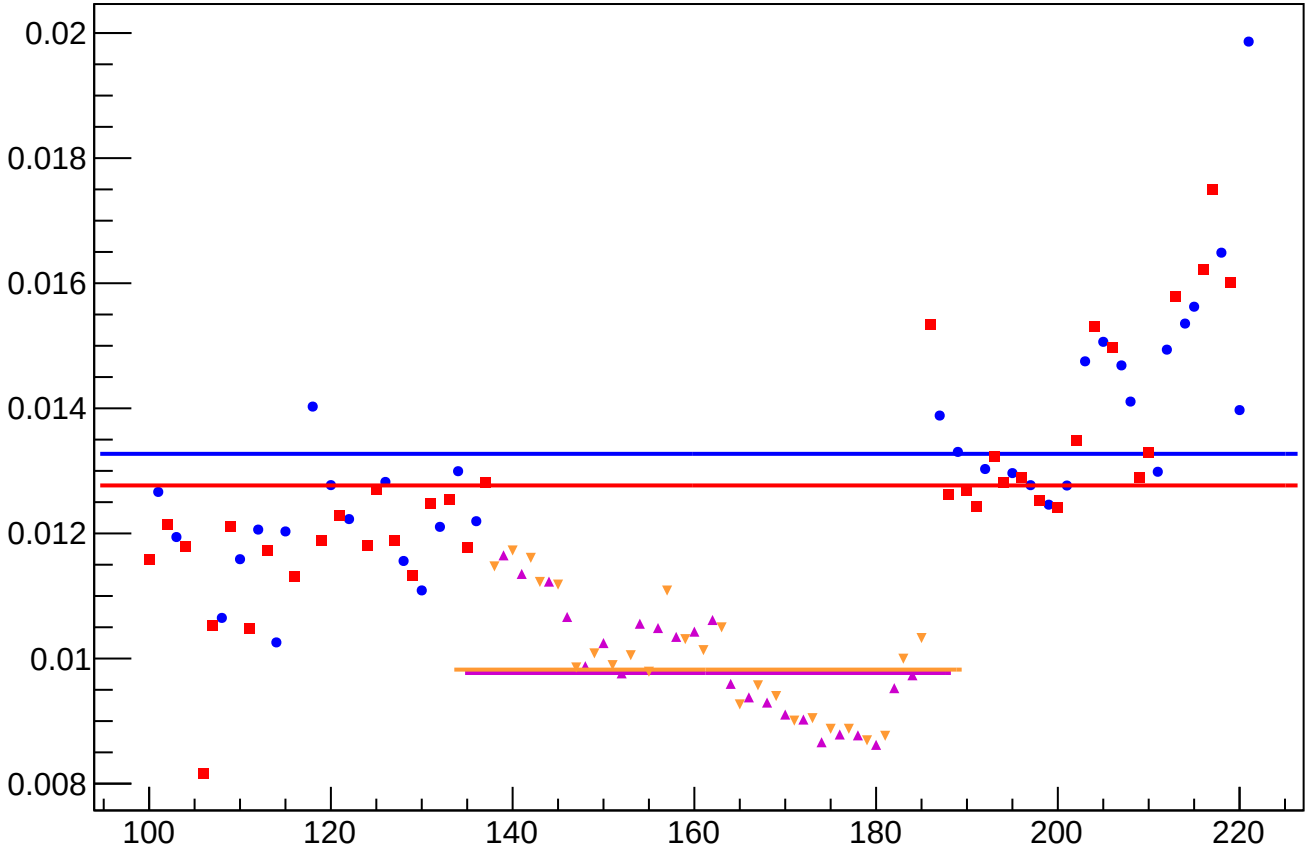
Right: -0.990+/-0.000 χ^2/NDF: 11199140826.1/70

In: -1.013+/-0.000 χ^2/NDF:10137579498.9/56

Out: -1.030+/-0.000 χ^2/NDF:10471193893.5/61

All: -1.022+/-0.000 χ^2/NDF: 20652245939.3/

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: 759464.0/36

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

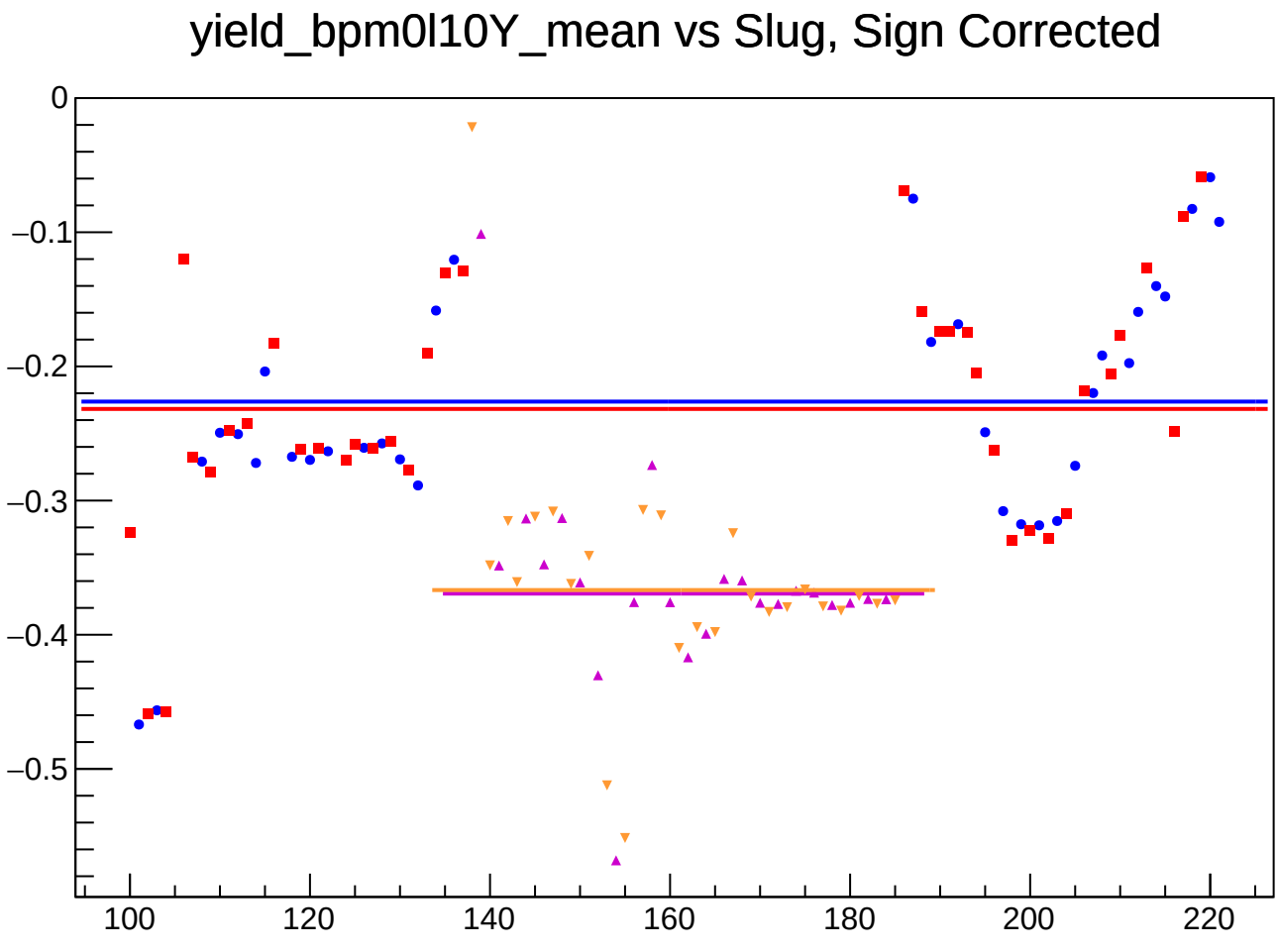
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 1432060.5/70

In: 0.011+/-0.000 χ^2/NDF:2690260.5/56

Out: 0.011+/-0.000 χ^2/NDF:2366031.7/61

All: 0.011+/-0.000 χ^2/NDF: 5063709.1/118



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: -0.232+/-0.000 χ^2/NDF: 12442959100.0/36

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

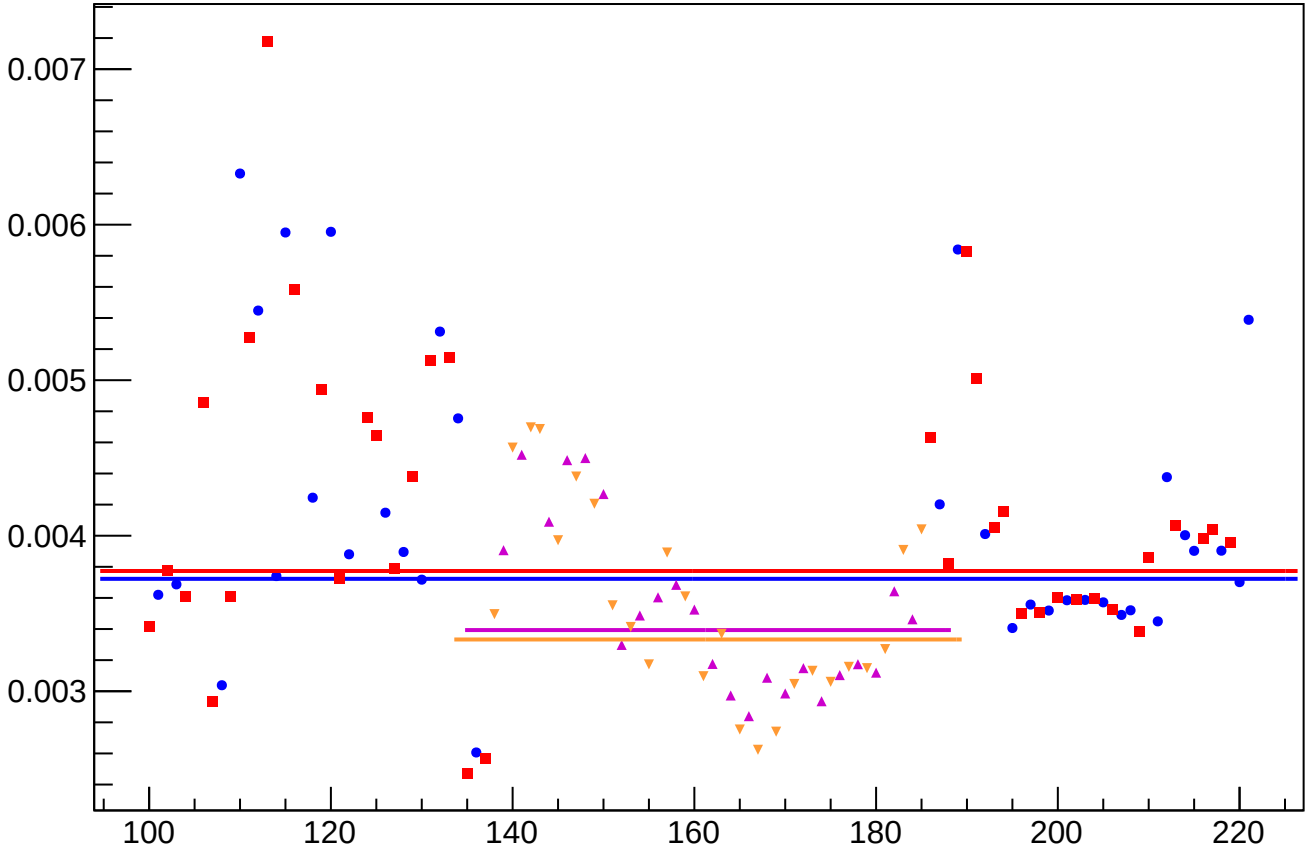
Right: -0.229+/-0.000 χ^2/NDF: 26426147641.4/70

In: -0.298+/-0.000 χ^2/NDF:36242241414.0/56

Out: -0.304+/-0.000 χ^2/NDF:37719334512.5/61

All: -0.301+/-0.000 χ^2/NDF: 74016681486.6/

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: 1139193.3/36

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

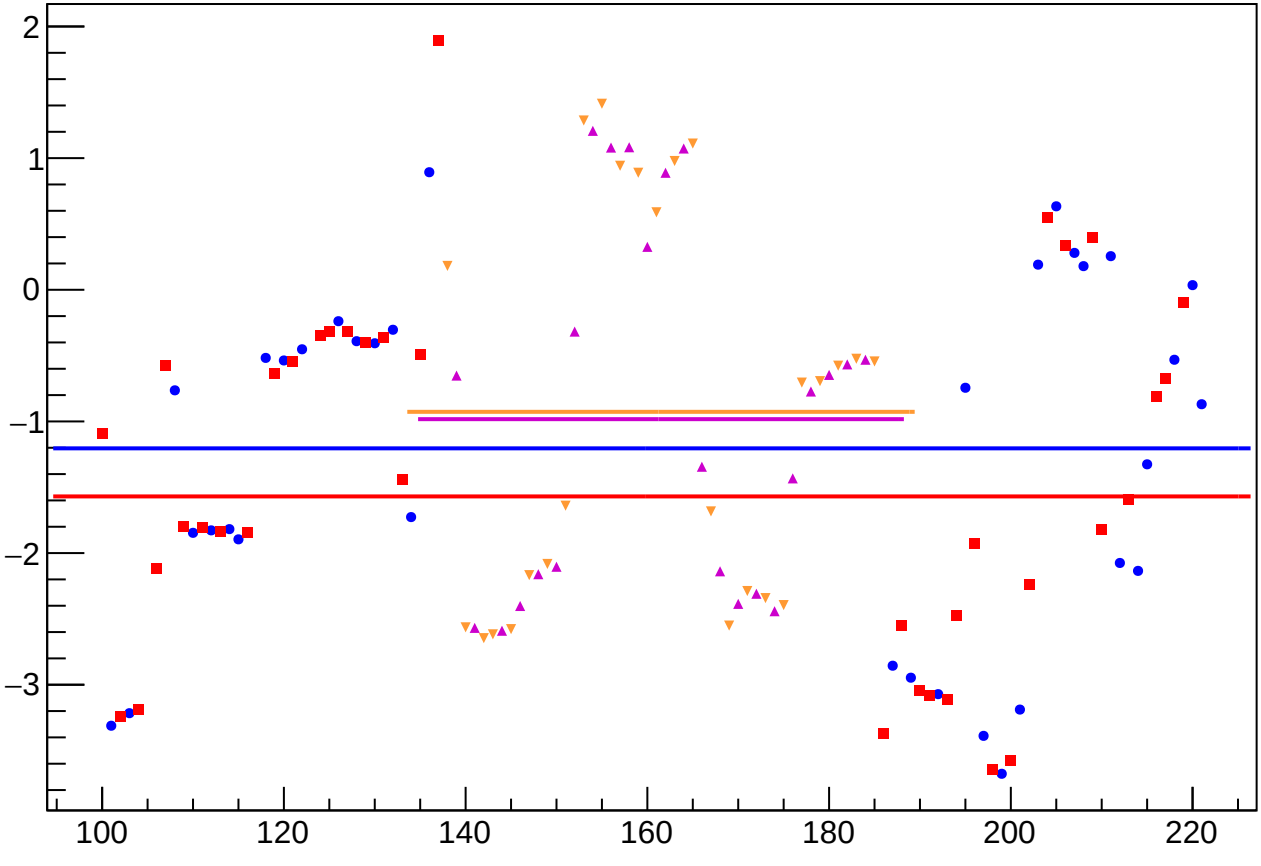
Right: 0.004+/-0.000 χ^2/NDF: 2295191.8/70

In: 0.004+/-0.000 χ^2/NDF:1941872.2/56

Out: 0.004+/-0.000 χ^2/NDF:2280573.3/61

All: 0.004+/-0.000 χ^2/NDF: 4223702.0/118

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: -1.570+/-0.000 χ^2/NDF: 6423556263.8/36

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

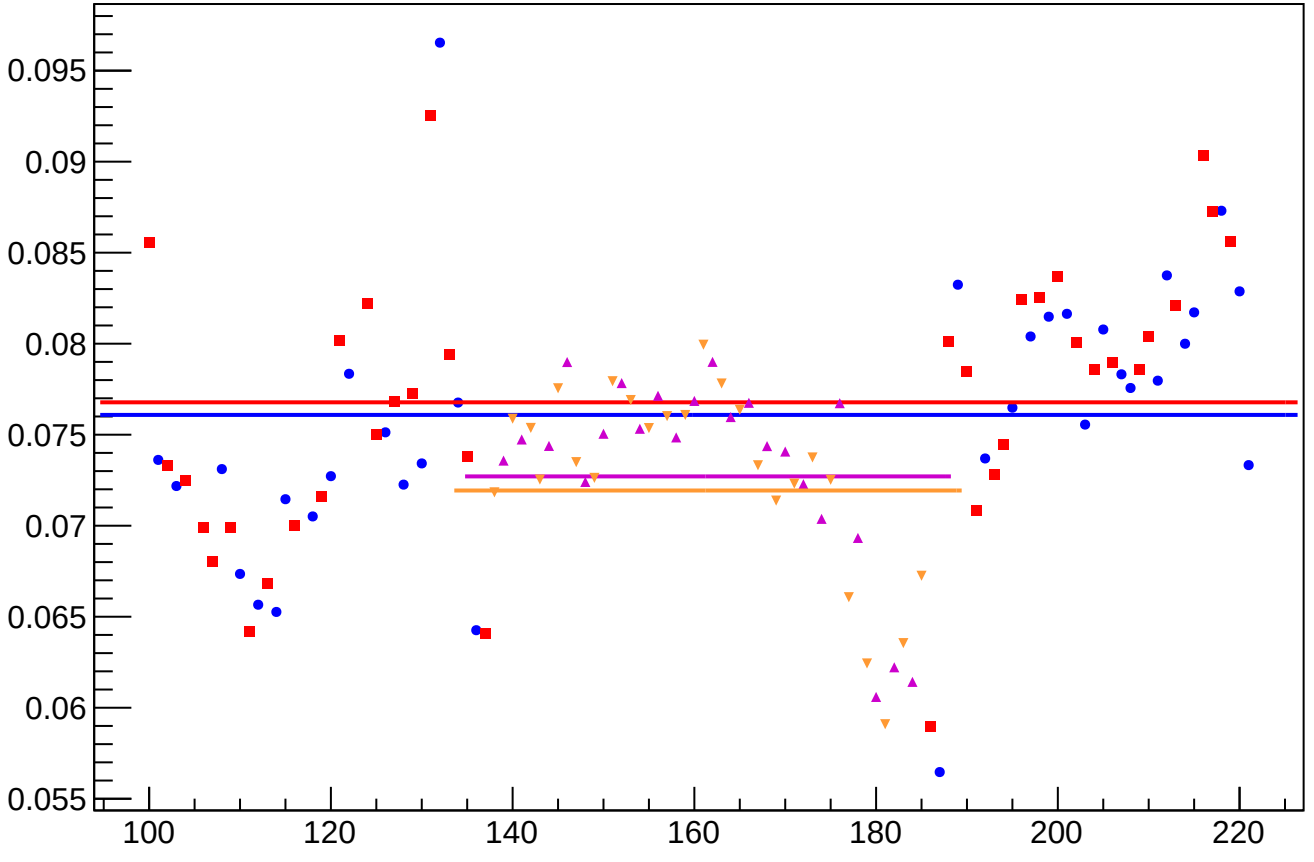
Right: -1.383+/-0.000 χ^2/NDF: 14045456773.5/70

In: -1.099+/-0.000 χ^2/NDF:13384771202.0/56

Out: -1.244+/-0.000 χ^2/NDF:14419791961.9/61

All: -1.172+/-0.000 χ^2/NDF: 27880459890.3/

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: 0.077+/-0.000 χ^2/NDF: 348877.6/36

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

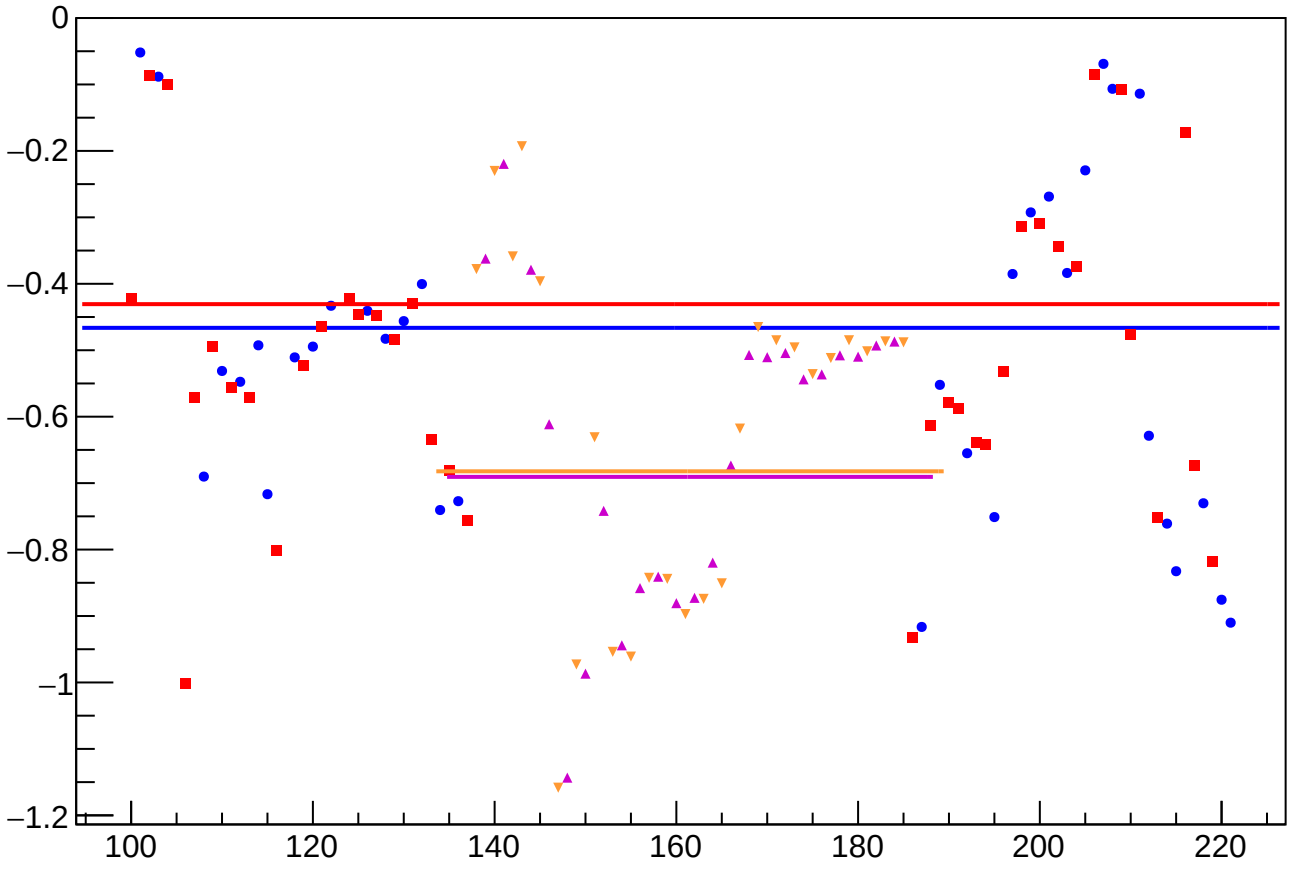
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.076+/-0.000 χ^2/NDF: 659662.3/70

In: 0.074+/-0.000 χ^2/NDF:546552.8/56

Out: 0.074+/-0.000 χ^2/NDF:669369.2/61

All: 0.074+/-0.000 χ^2/NDF: 1216088.9/118



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: -0.431+/-0.000 χ^2/NDF: 15890396985.7/36

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

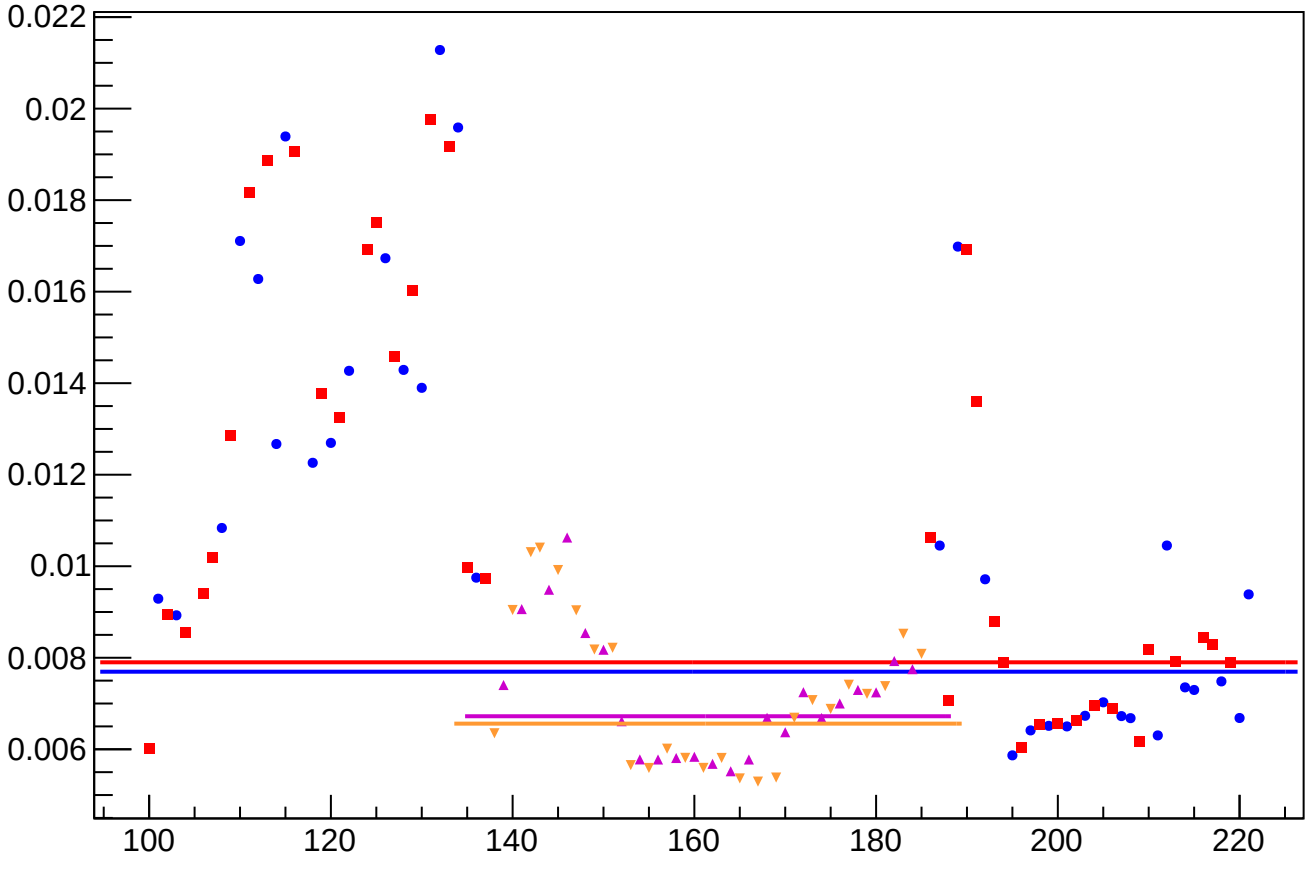
Right: -0.449+/-0.000 χ^2/NDF: 42545407226.0/70

In: -0.586+/-0.000 χ^2/NDF:51951968701.6/56

Out: -0.578+/-0.000 χ^2/NDF:48419539781.6/61

All: -0.582+/-0.000 χ^2/NDF: 100396945420.5

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: 3266763.0/36

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

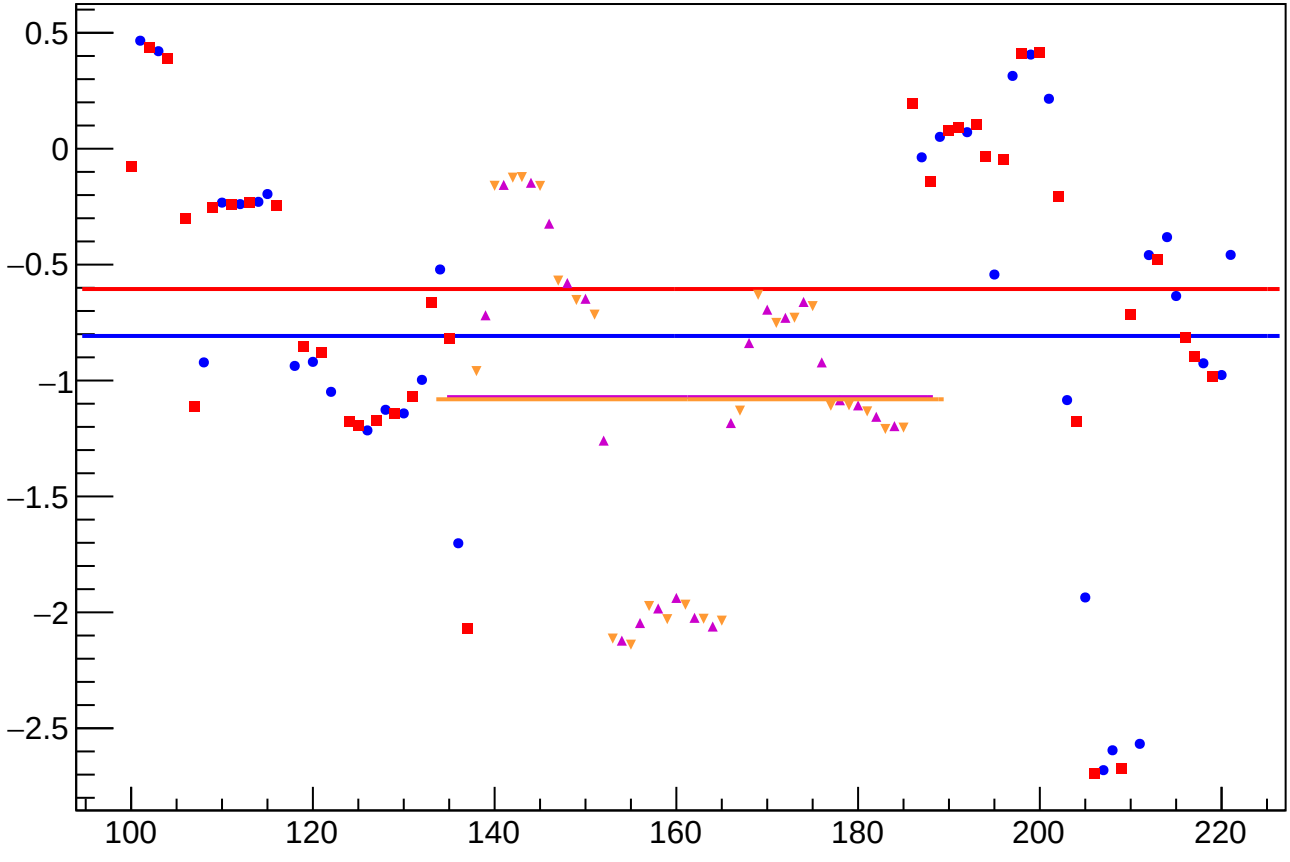
Right: 0.008+/-0.000 χ^2/NDF: 6570361.5/70

In: 0.007+/-0.000 χ^2/NDF:4576210.6/56

Out: 0.007+/-0.000 χ^2/NDF:5278733.1/61

All: 0.007+/-0.000 χ^2/NDF: 9857248.4/118

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: -0.605+/-0.000 χ^2/NDF: 1684275067.3/36

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

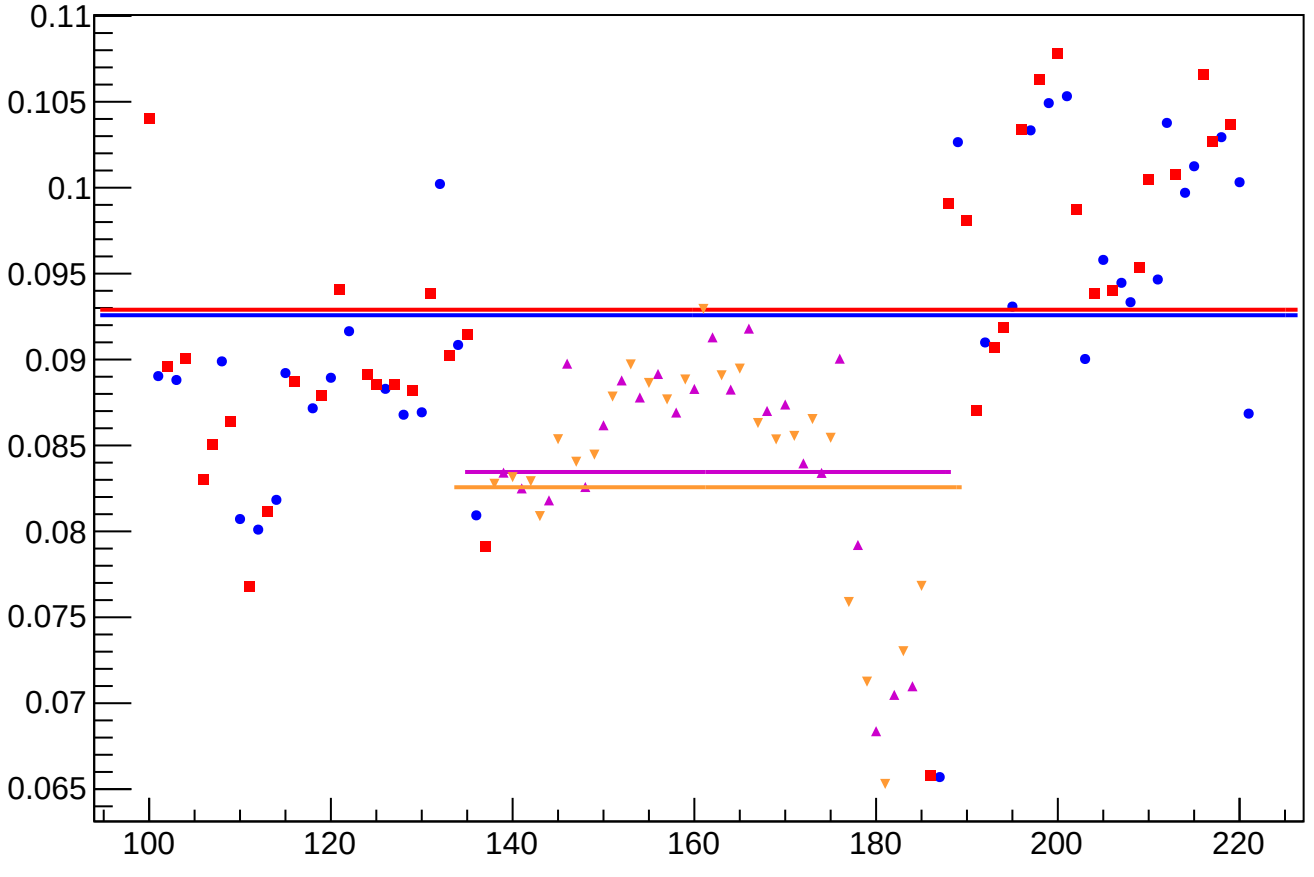
Right: -0.708+/-0.000 χ^2/NDF: 3741528242.4/70

In: -0.941+/-0.000 χ^2/NDF:3071075651.9/56

Out: -0.859+/-0.000 χ^2/NDF:3133056835.4/61

All: -0.899+/-0.000 χ^2/NDF: 6221858784.1/1

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: 0.093+/-0.000 χ^2/NDF: 425221.8/36

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

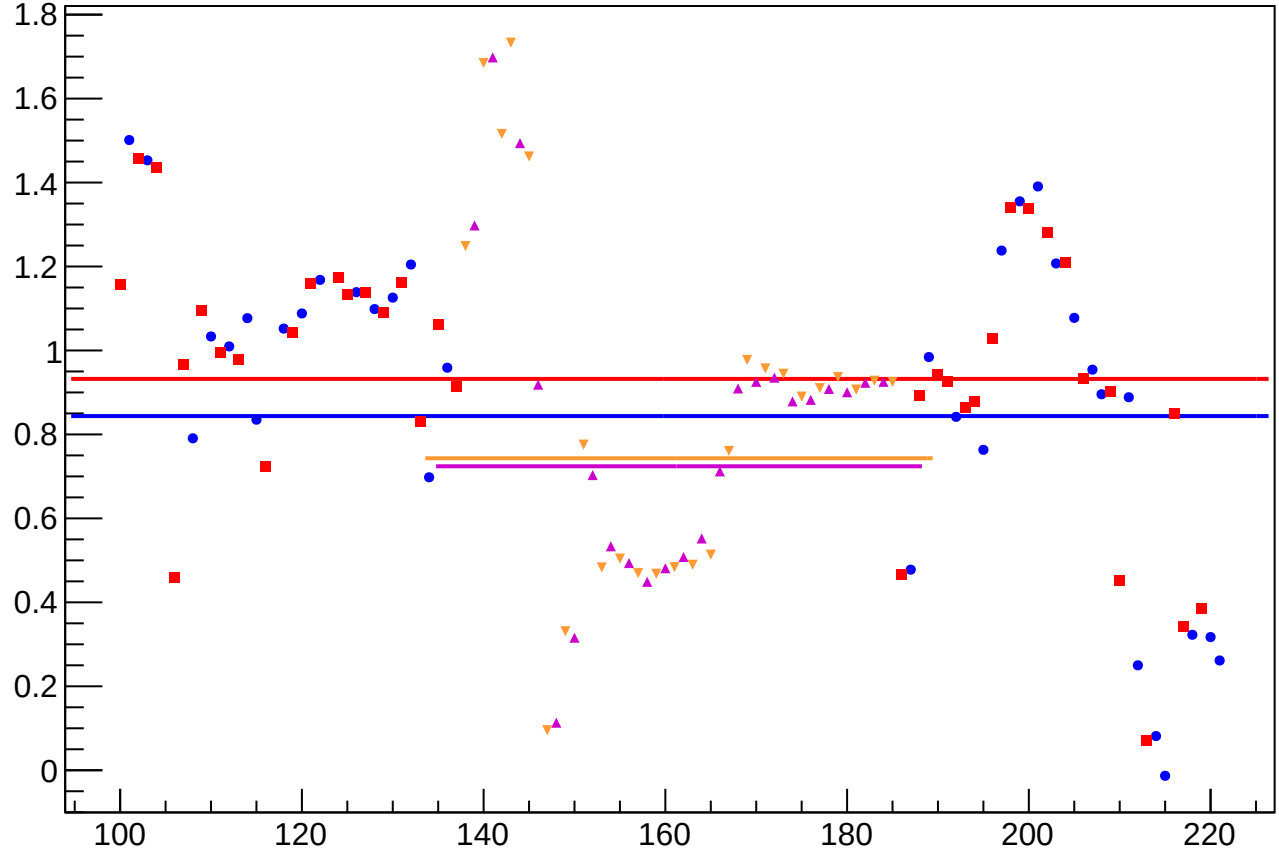
Right: 0.093+/-0.000 χ^2/NDF: 755780.4/70

In: 0.088+/-0.000 χ^2/NDF:782492.9/56

Out: 0.087+/-0.000 χ^2/NDF:996104.8/61

All: 0.088+/-0.000 χ^2/NDF: 1780284.2/118

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: 0.932+/-0.000 χ^2/NDF: 17932029082.3/36

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

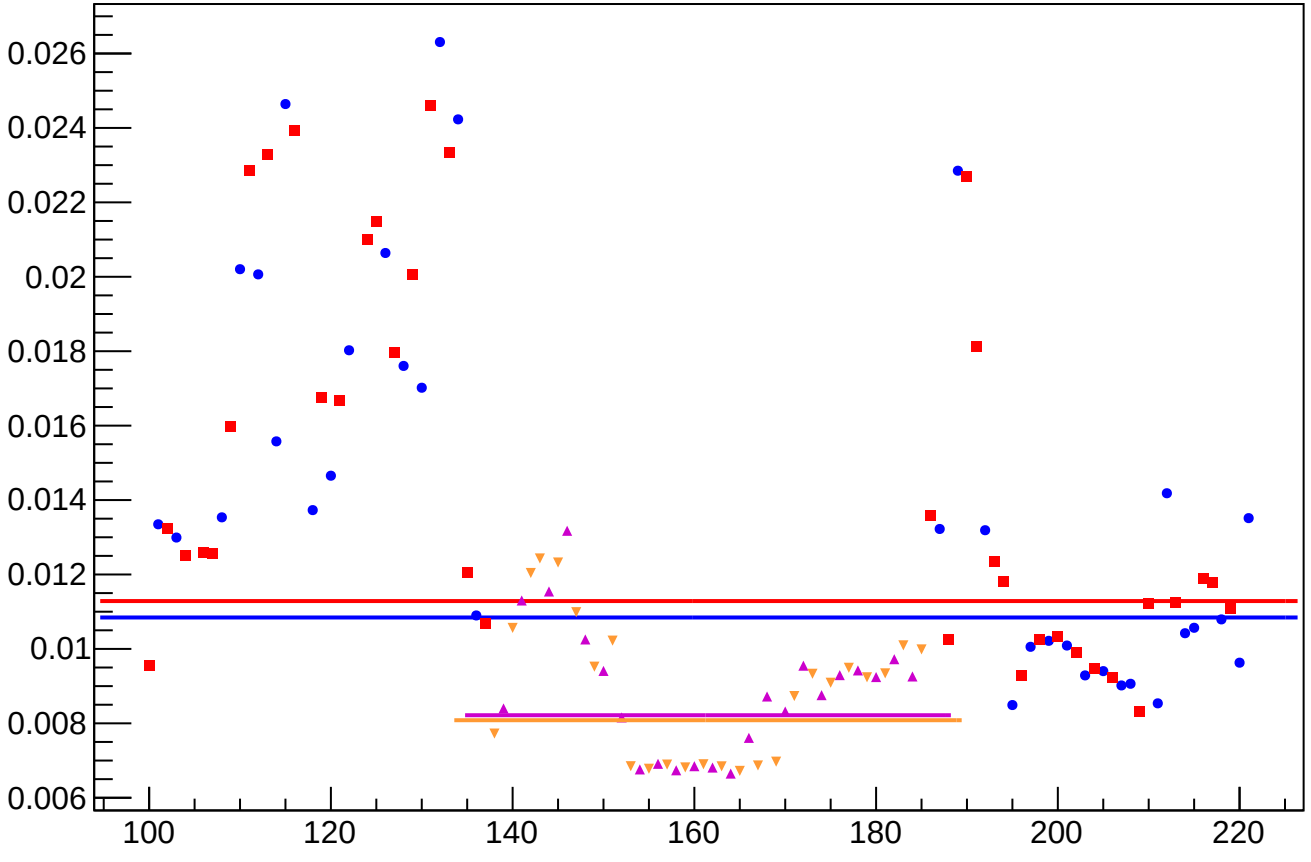
Right: 0.885+/-0.000 χ^2/NDF: 48158492658.6/70

In: 0.772+/-0.000 χ^2/NDF:56689116461.0/56

Out: 0.809+/-0.000 χ^2/NDF:53893161218.6/61

All: 0.791+/-0.000 χ^2/NDF: 110870519626.7

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: 2464288.7/36

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

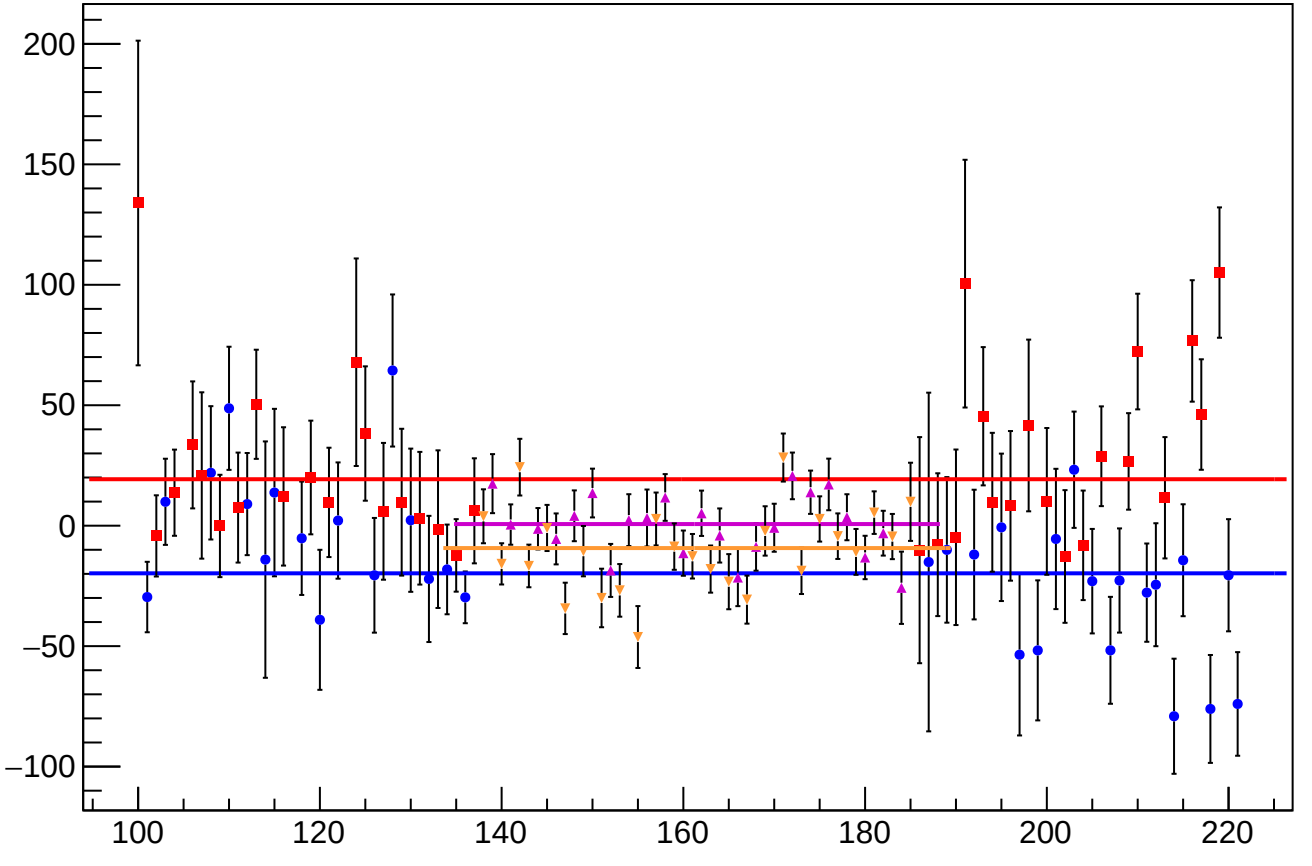
Right: 0.011+/-0.000 χ^2/NDF: 4989547.1/70

In: 0.009+/-0.000 χ^2/NDF:4985781.4/56

Out: 0.009+/-0.000 χ^2/NDF:5810247.0/61

All: 0.009+/-0.000 χ^2/NDF: 10797795.4/118

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: 19.288+/-4.175 χ^2/NDF: 46.5/36

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

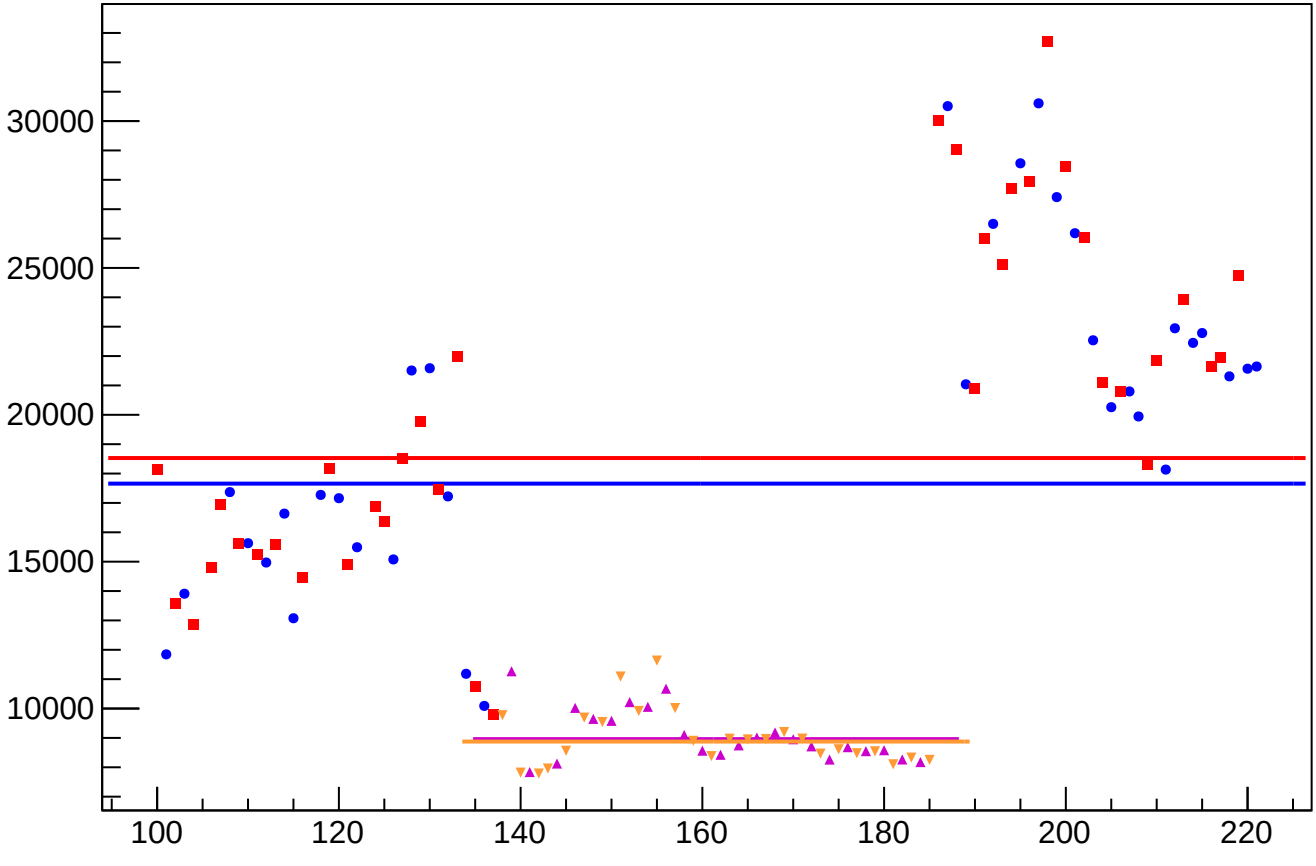
Right: -1.352+/-2.867 χ^2/NDF: 145.8/70

In: -3.854+/-1.857 χ^2/NDF:103.4/56

Out: -3.824+/-1.826 χ^2/NDF:145.5/61

All: -3.839+/-1.302 χ^2/NDF: 248.9/118

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 17657.227+/-2.789 χ^2/NDF: 3698074.5/33

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18528.094+/-2.952 χ^2/NDF: 3472044.6/36

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

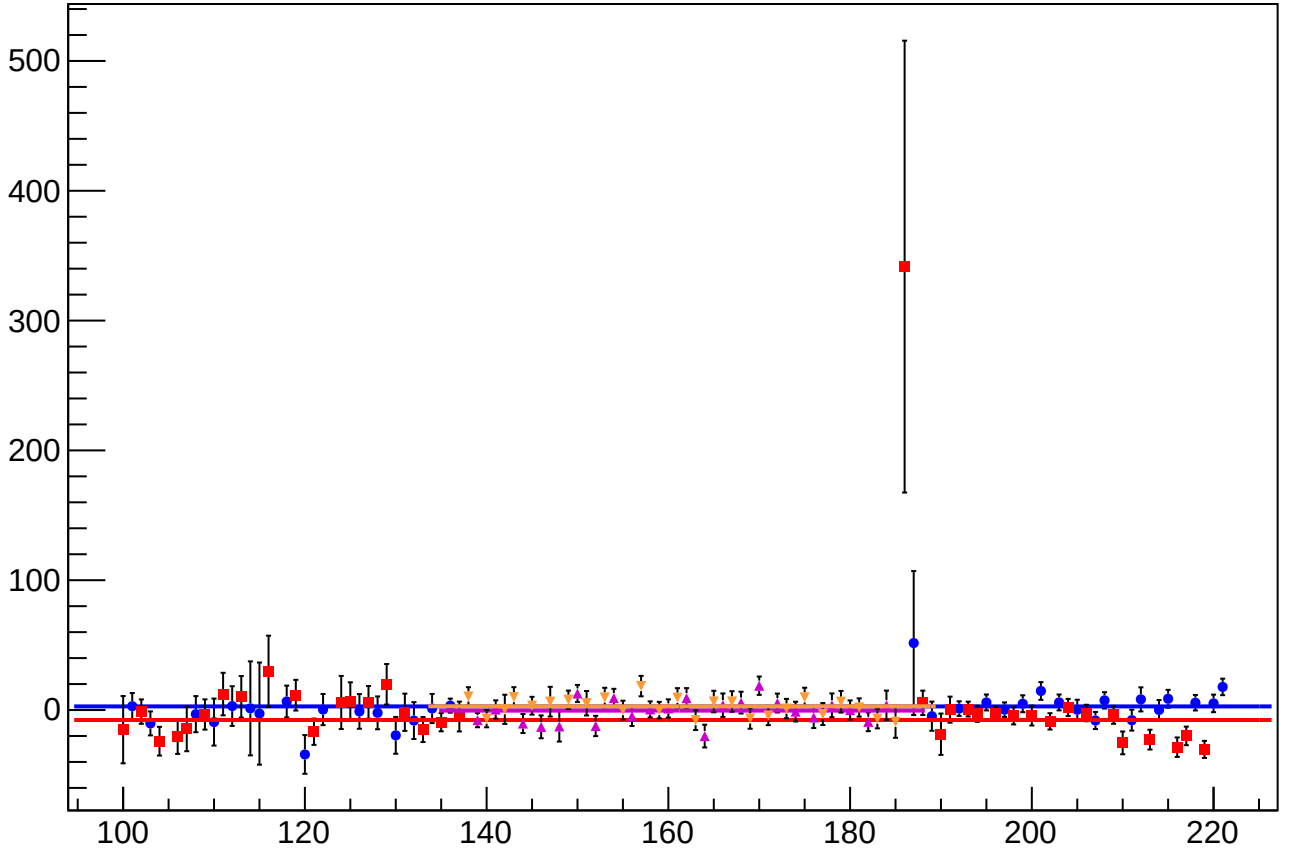
Right: 18067.914+/-2.027 χ^2/NDF: 7216099.6/70

In: 10885.859+/-1.313 χ^2/NDF:11572210.9/56

Out: 10722.076+/-1.291 χ^2/NDF:12463962.8/61

All: 10802.613+/-0.921 χ^2/NDF: 24044085.3/

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: -7.669+/-1.467 χ^2/NDF: 63.4/36

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

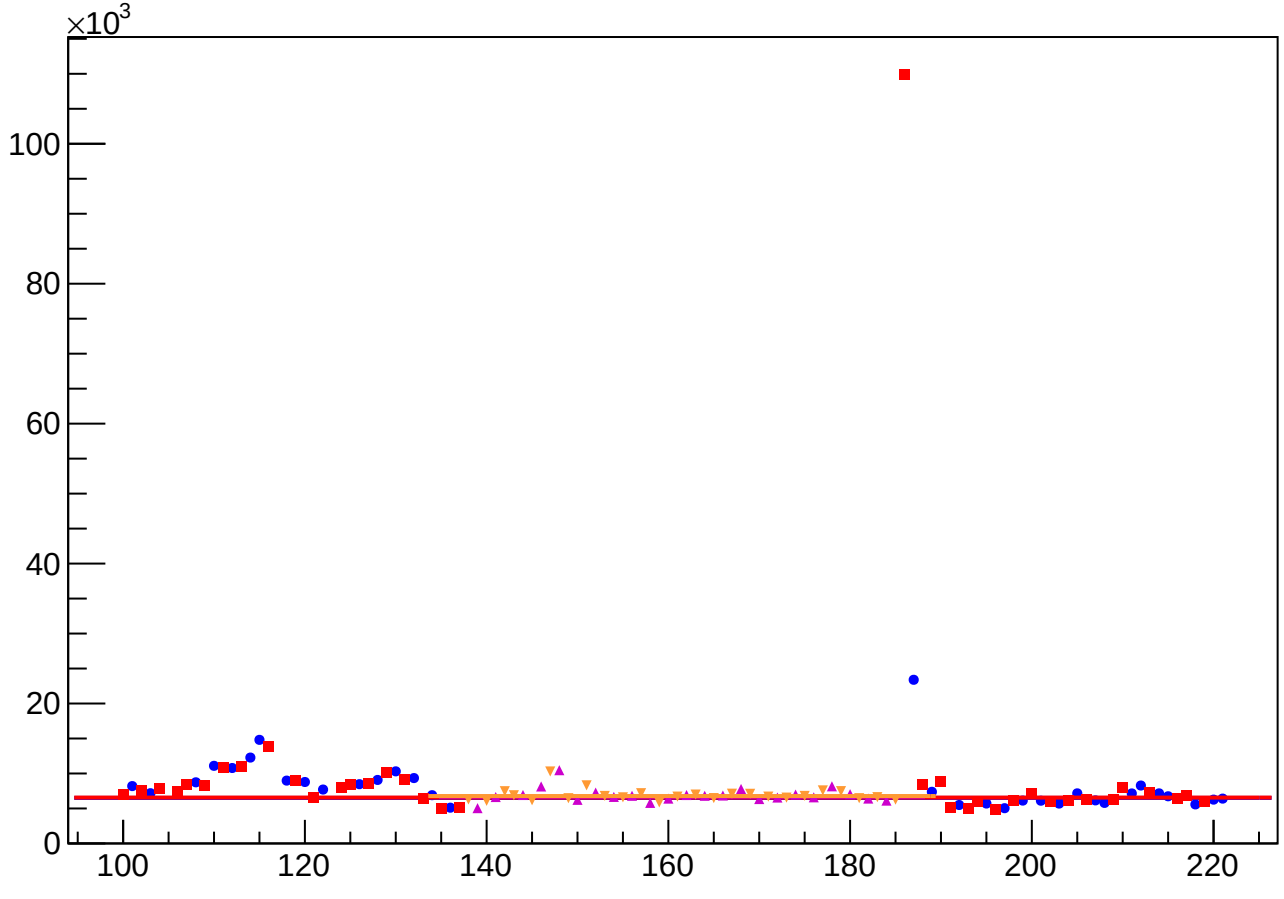
Right: -2.289+/-1.022 χ^2/NDF: 119.2/70

In: 1.334+/-1.059 χ^2/NDF:64.8/56

Out: -2.696+/-1.067 χ^2/NDF:107.2/61

All: -0.666+/-0.752 χ^2/NDF: 179.2/118

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: 6555.912+/-1.038 χ^2/NDF: 2418304.3/36

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

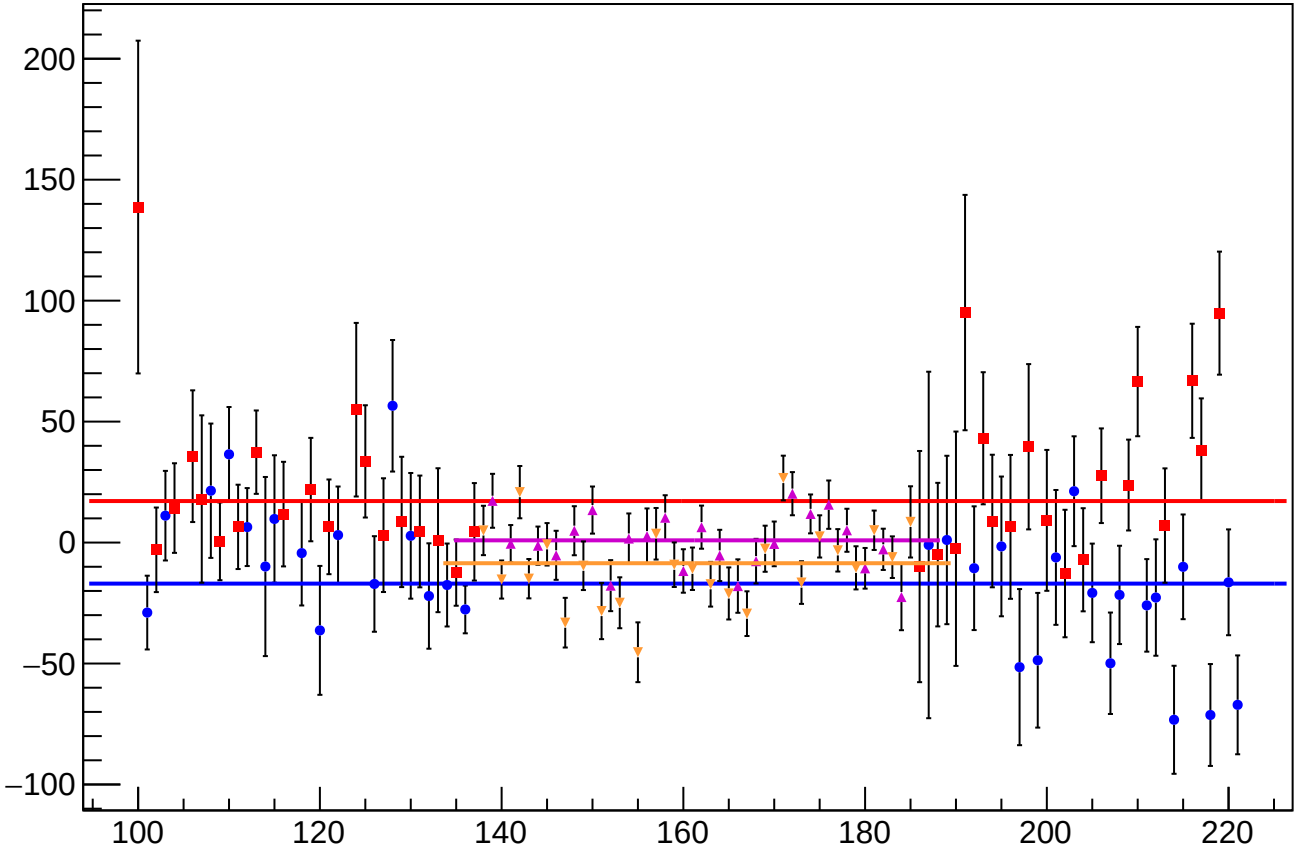
Right: 6530.728+/-0.723 χ^2/NDF: 4275138.2/70

In: 6588.809+/-0.749 χ^2/NDF:2490675.2/56

Out: 6660.026+/-0.754 χ^2/NDF:2839822.9/61

All: 6624.147+/-0.531 χ^2/NDF: 5334987.9/11

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: 17.160+/-3.798 χ^2/NDF: 43.8/36

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

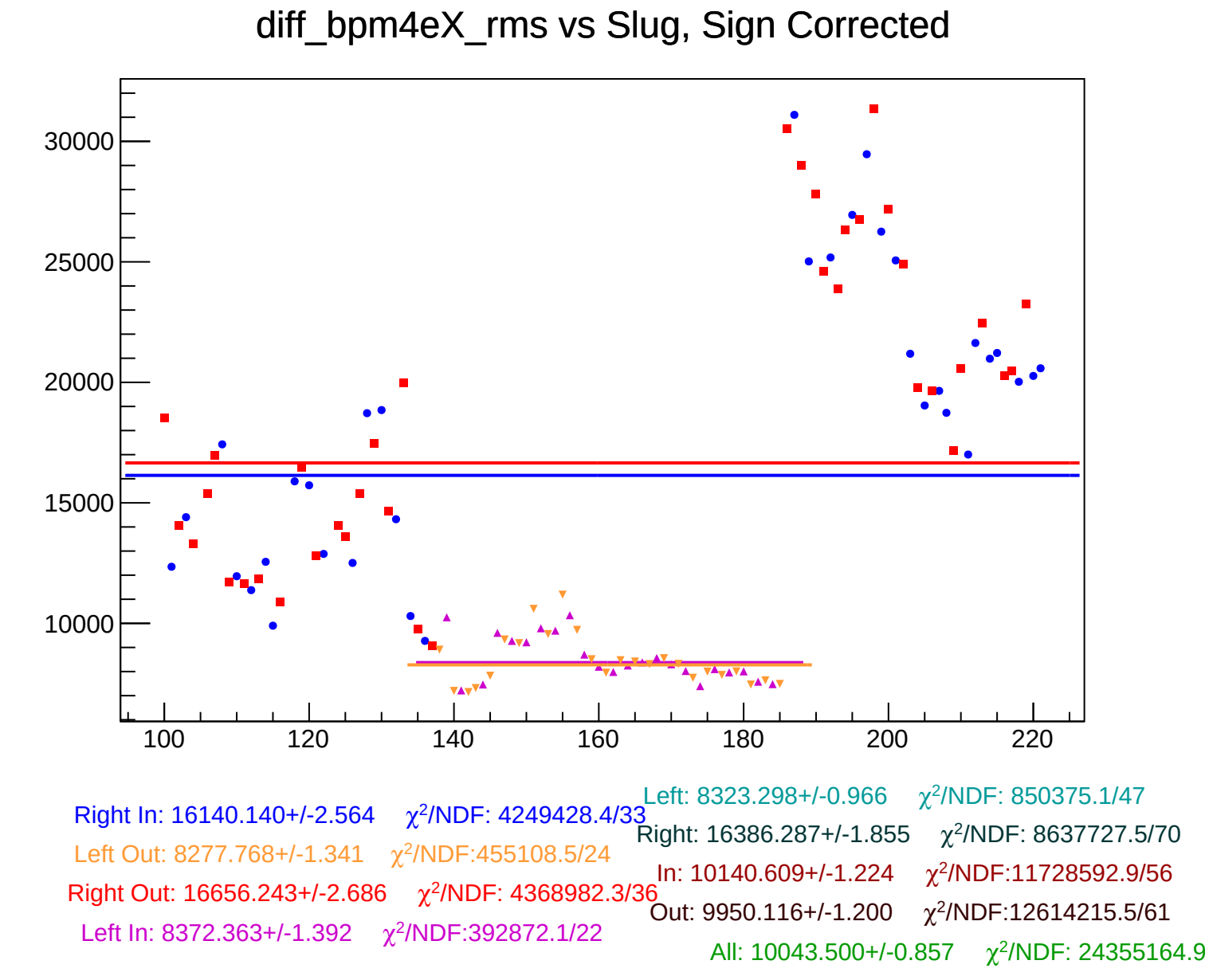
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: -0.690+/-2.623 χ^2/NDF: 140.6/70

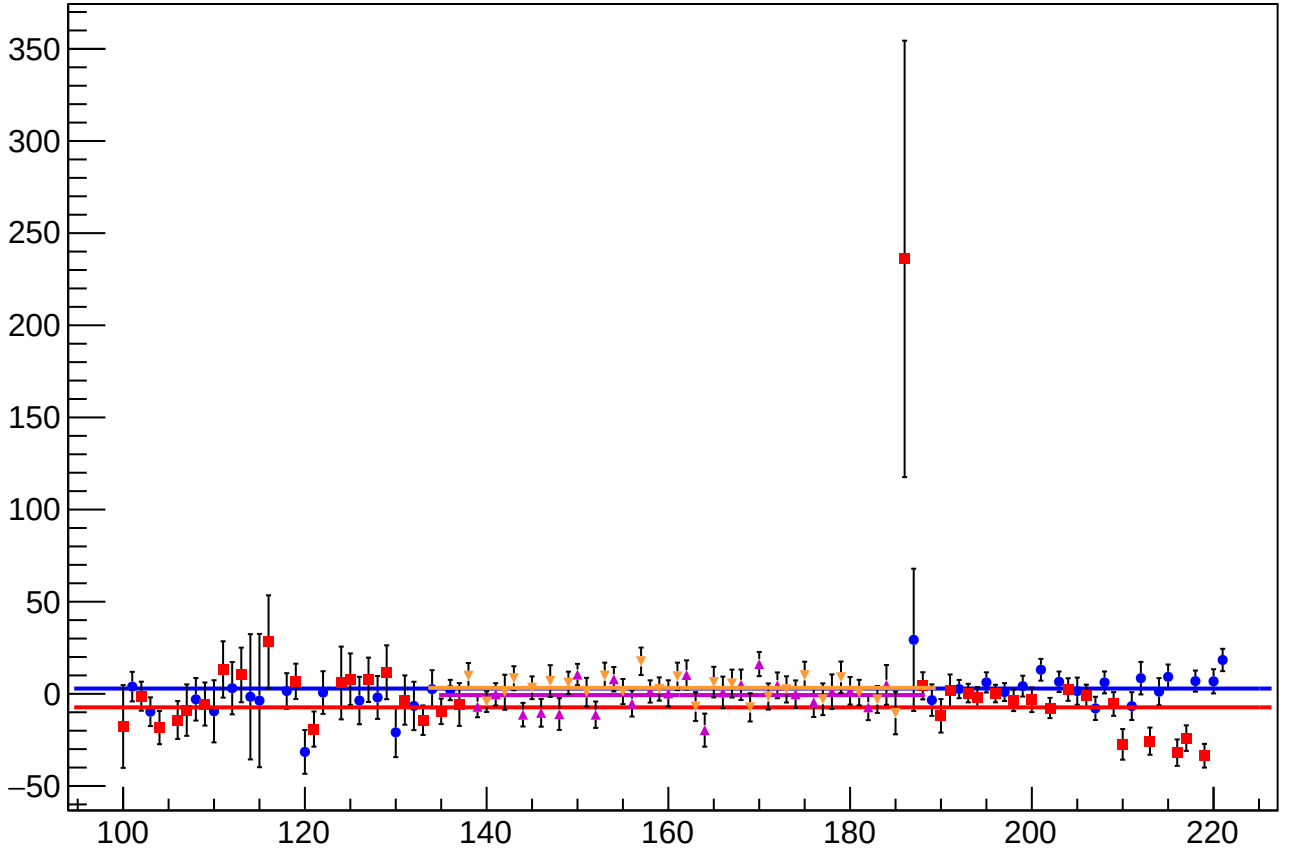
In: -3.152+/-1.730 χ^2/NDF:102.4/56

Out: -3.407+/-1.697 χ^2/NDF:142.4/61

All: -3.282+/-1.212 χ^2/NDF: 244.8/118


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: 16656.243+/-2.686 χ²/NDF: 4368982.3/36
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 16386.287+/-1.855 χ²/NDF: 8637727.5/70
In: 10140.609+/-1.224 χ²/NDF:11728592.9/56
Out: 9950.116+/-1.200 χ²/NDF:12614215.5/61
All: 10043.500+/-0.857 χ²/NDF: 24355164.9

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: -7.326+/-1.320 χ^2/NDF: 82.1/36

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

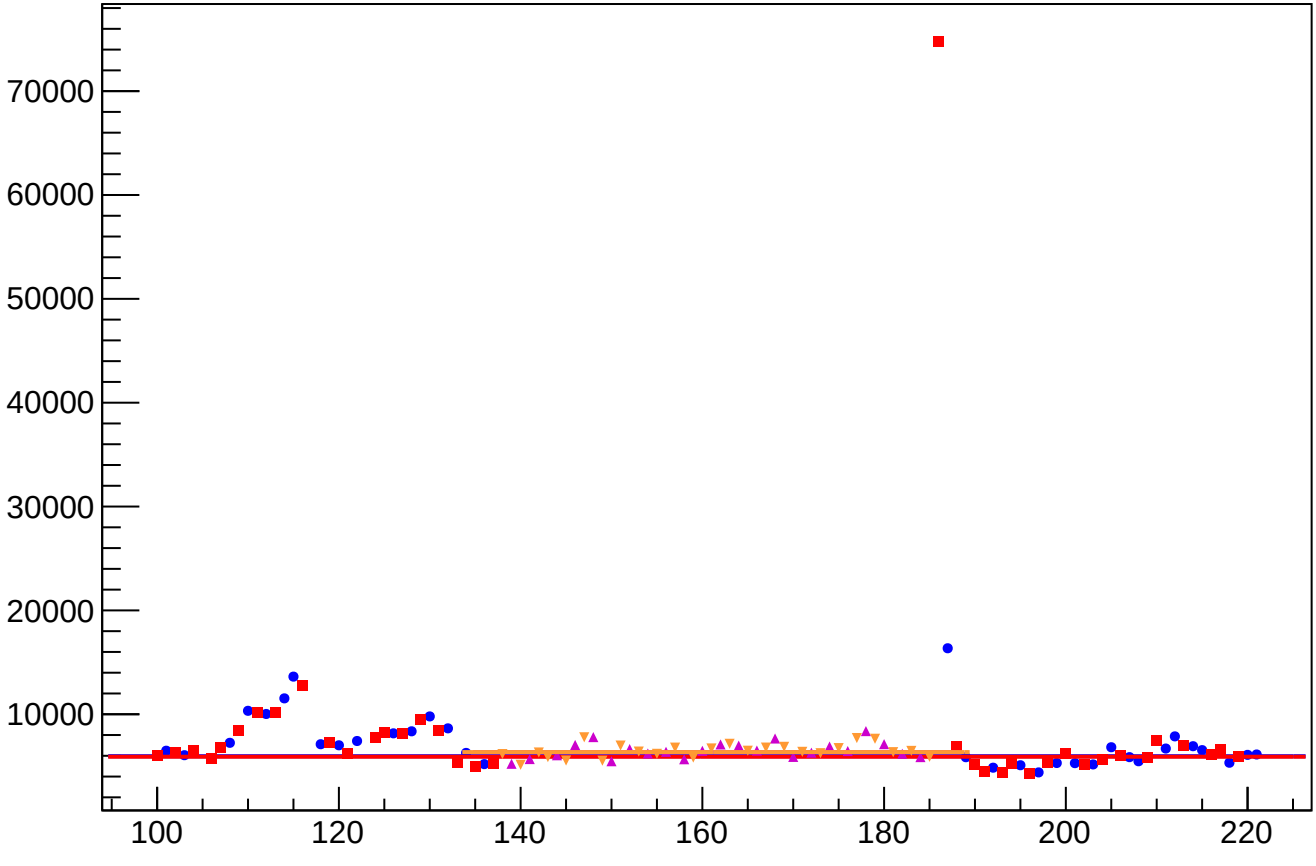
Right: -2.158+/-0.928 χ^2/NDF: 147.0/70

In: 1.361+/-0.984 χ^2/NDF:68.5/56

Out: -2.555+/-0.978 χ^2/NDF:128.7/61

All: -0.608+/-0.694 χ^2/NDF: 205.2/118

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: 5909.953+/-0.934 χ^2/NDF: 2454430.9/36

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

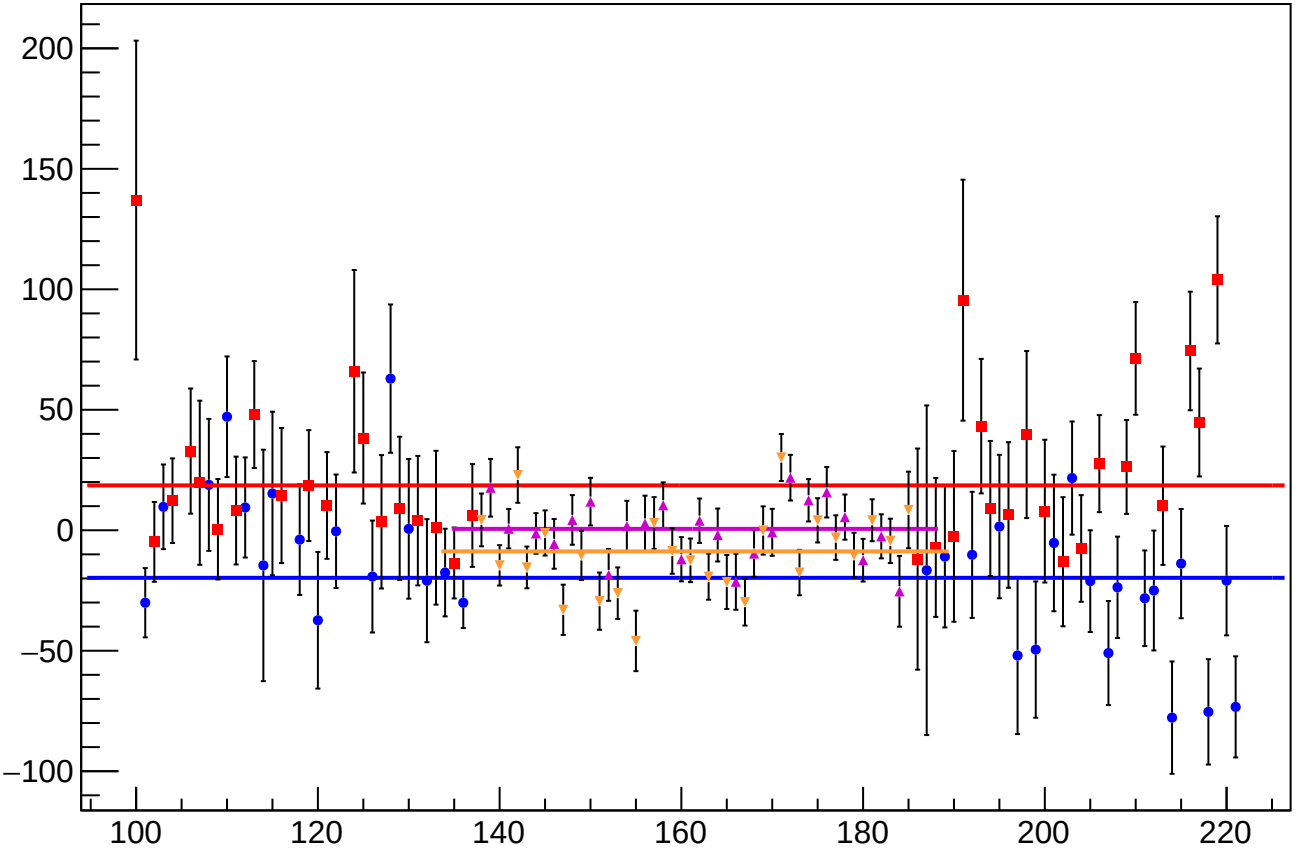
Right: 5934.752+/-0.656 χ^2/NDF: 4260343.4/70

In: 6131.518+/-0.696 χ^2/NDF:2359883.7/56

Out: 6111.782+/-0.692 χ^2/NDF:2972203.6/61

All: 6121.598+/-0.491 χ^2/NDF: 5332492.0/11

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: 18.624+/-4.078 χ^2/NDF: 47.3/36

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

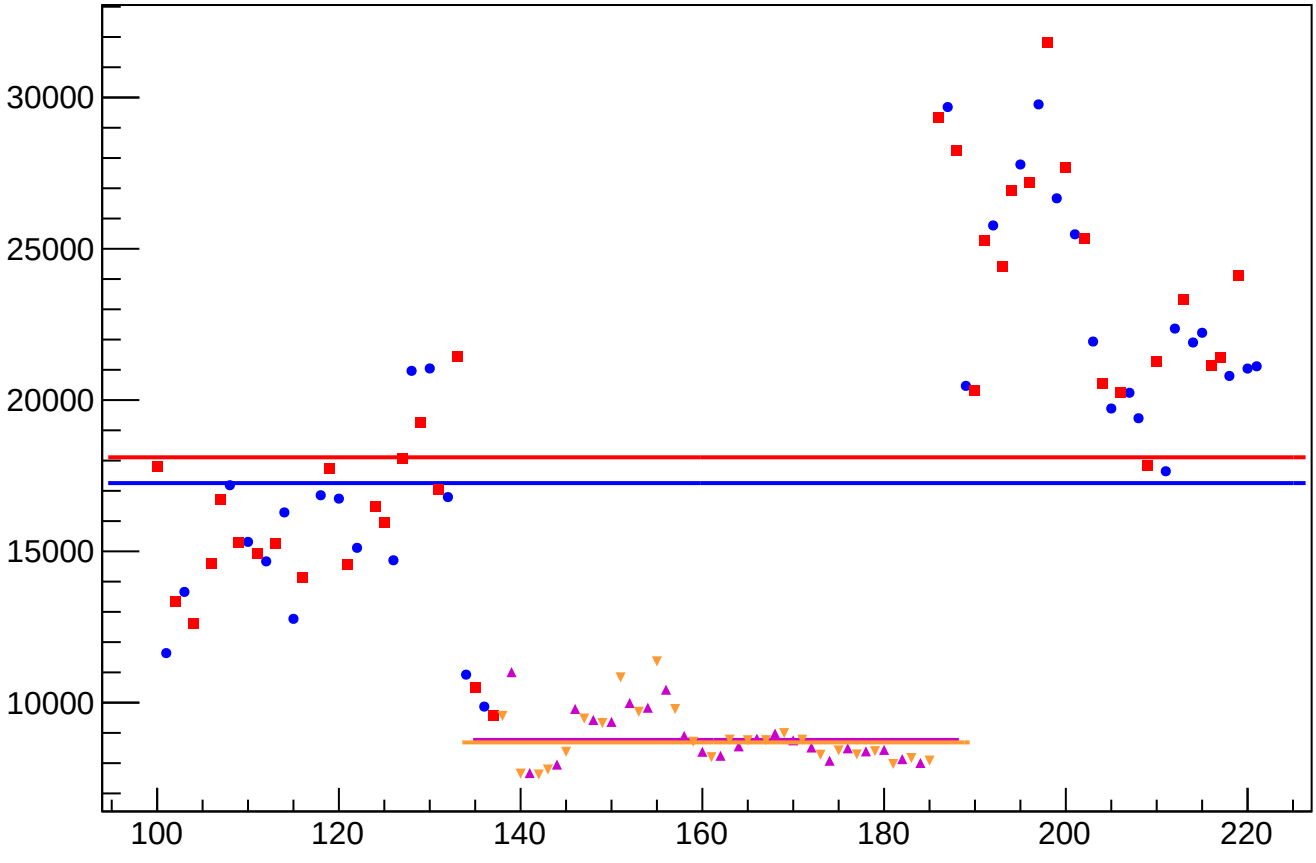
Right: -1.649+/-2.800 χ^2/NDF: 147.6/70

In: -3.937+/-1.816 χ^2/NDF:104.7/56

Out: -3.511+/-1.786 χ^2/NDF:146.5/61

All: -3.720+/-1.273 χ^2/NDF: 251.2/118

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: 18108.471+/-2.883 χ^2/NDF: 3416998.6/36

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

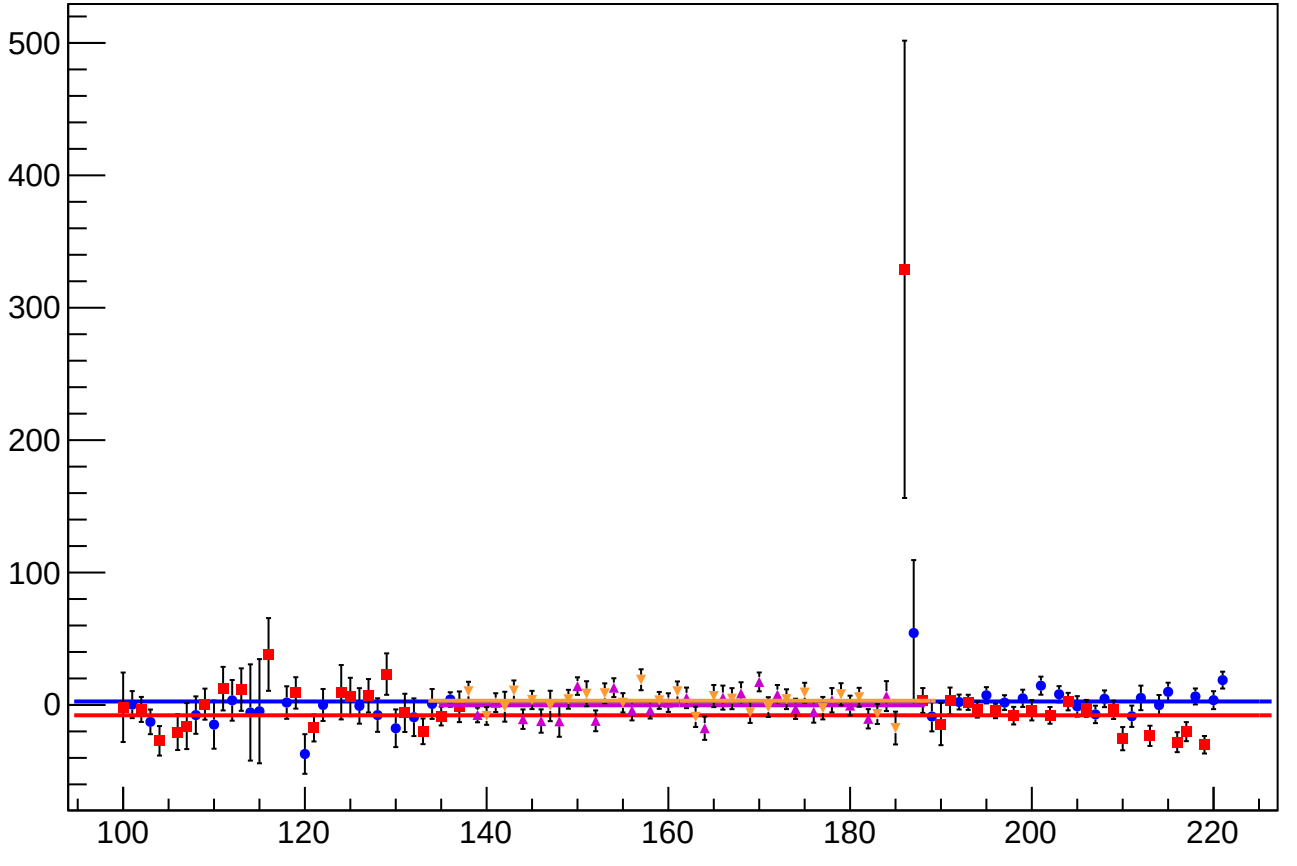
Right: 17657.998+/-1.980 χ^2/NDF: 7107484.4/70

In: 10654.237+/-1.284 χ^2/NDF:11493465.8/56

Out: 10494.039+/-1.263 χ^2/NDF:12387500.3/61

All: 10572.816+/-0.900 χ^2/NDF: 23888877.0

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: -7.822+/-1.472 χ^2/NDF: 66.2/36

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

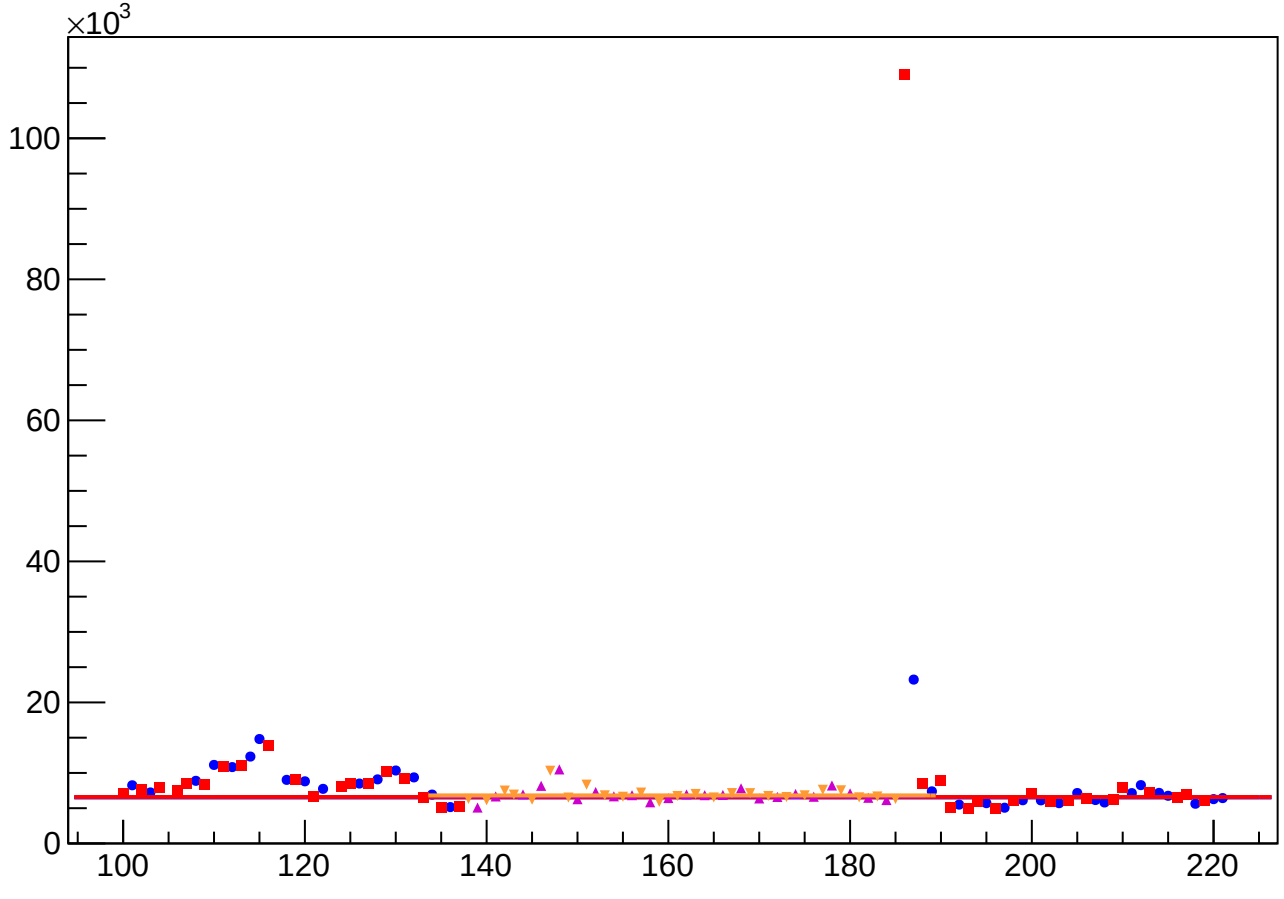
Right: -2.451+/-1.026 χ^2/NDF: 126.1/70

In: 1.325+/-1.063 χ^2/NDF:70.1/56

Out: -2.649+/-1.071 χ^2/NDF:114.1/61

All: -0.647+/-0.755 χ^2/NDF: 191.1/118

diff_bpm4acY_rms vs Slug, Sign Corrected



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: 6579.249+/-1.041 χ^2/NDF: 2411060.5/36

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

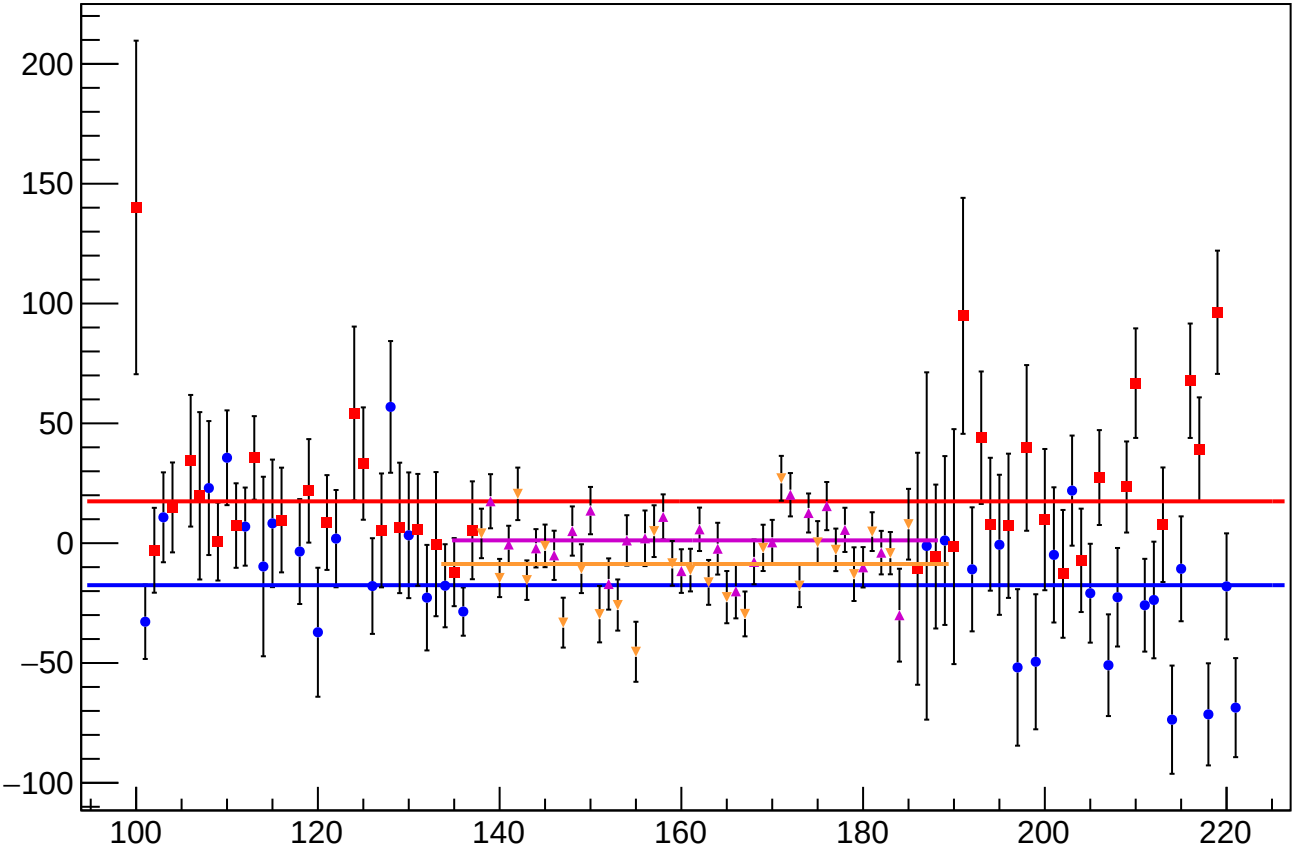
Right: 6553.284+/-0.725 χ^2/NDF: 4259097.2/70

In: 6617.788+/-0.752 χ^2/NDF:2474196.5/56

Out: 6689.218+/-0.758 χ^2/NDF:2829393.9/61

All: 6653.231+/-0.534 χ^2/NDF: 5308069.7/11

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: 17.457+/-3.850 χ^2/NDF: 42.7/36

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

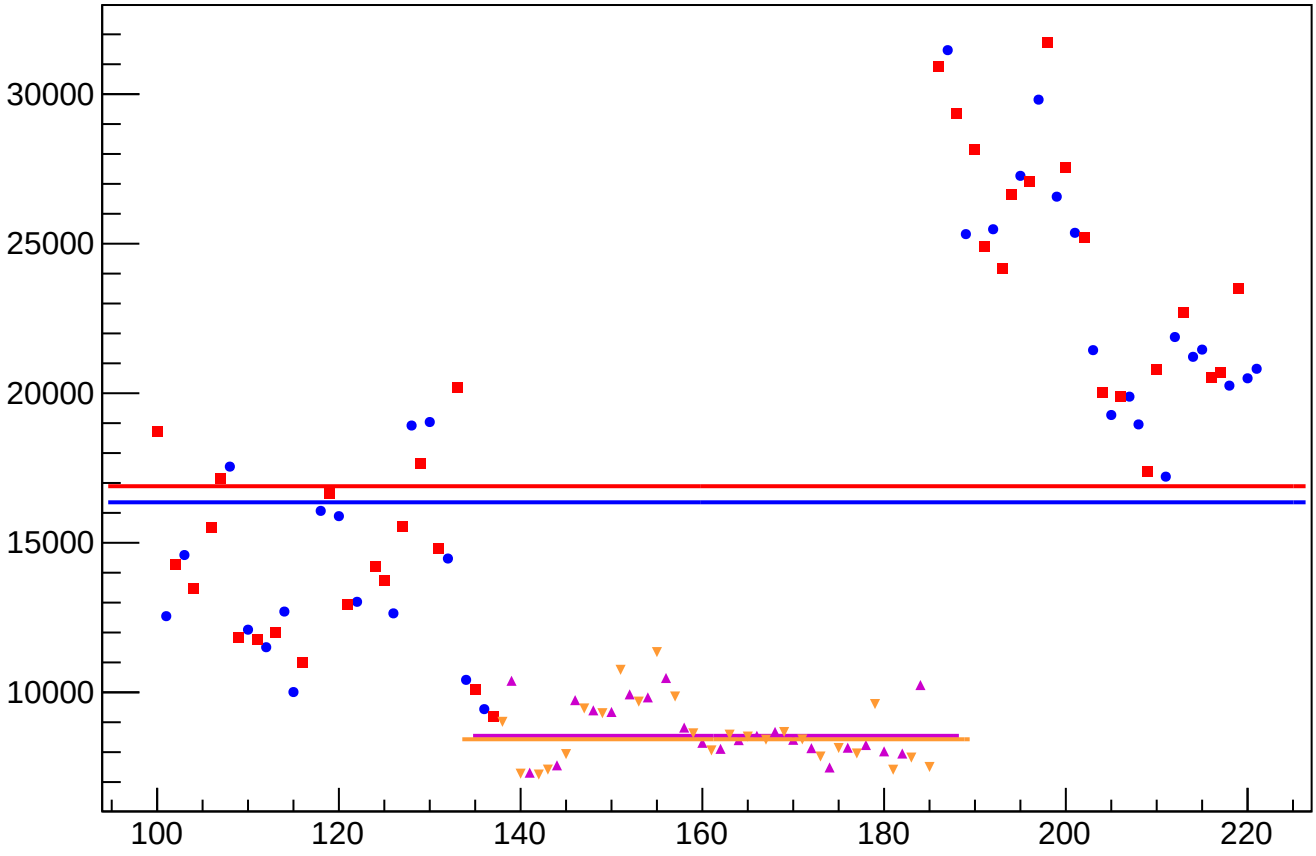
Right: -0.853+/-2.658 χ^2/NDF: 140.7/70

In: -3.142+/-1.765 χ^2/NDF:103.2/56

Out: -3.413+/-1.730 χ^2/NDF:140.9/61

All: -3.281+/-1.235 χ^2/NDF: 244.2/118

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 16353.600+/-2.598 χ^2/NDF: 4215337.8/33

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16891.370+/-2.722 χ^2/NDF: 4316741.1/36

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

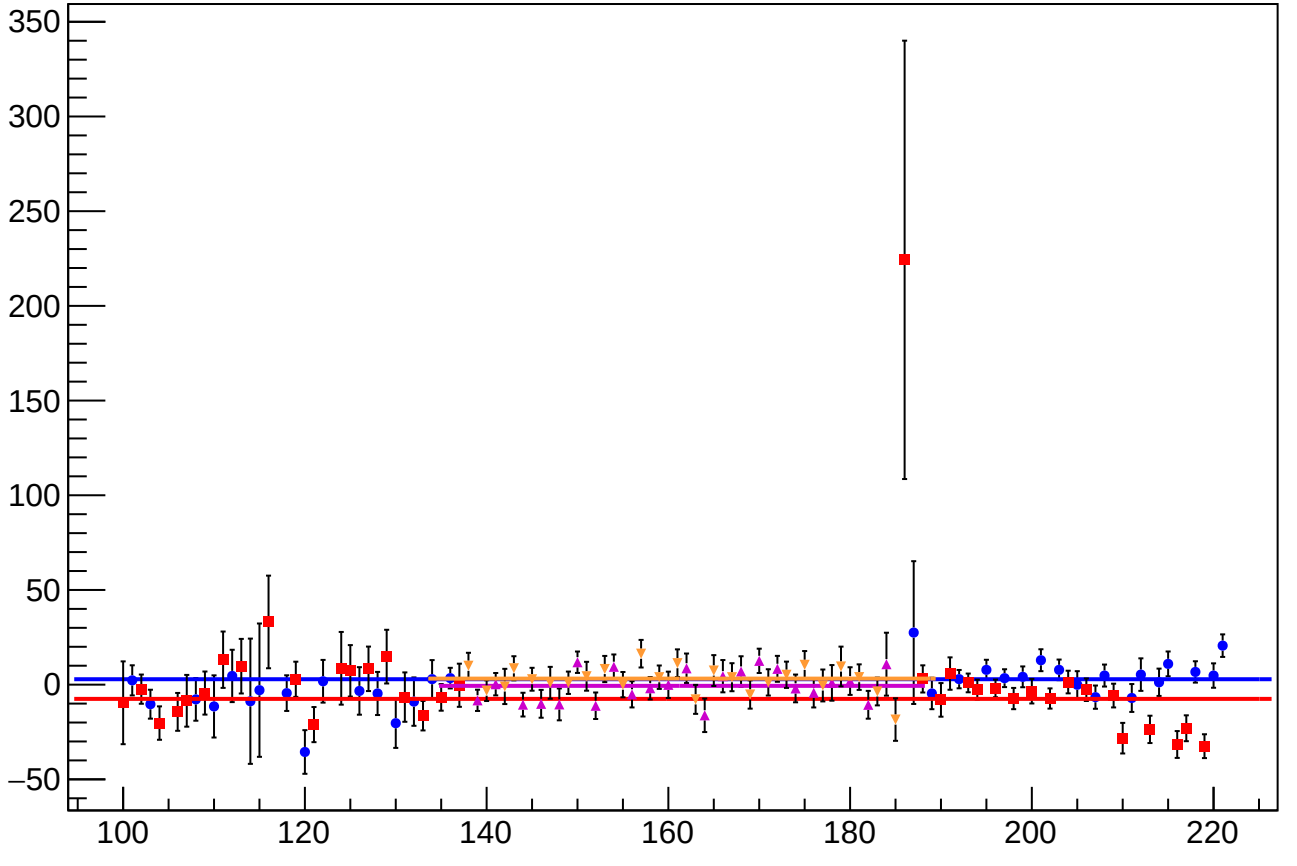
Right: 16609.916+/-1.879 χ^2/NDF: 8552504.8/70

In: 10347.642+/-1.248 χ^2/NDF:11554325.3/56

Out: 10138.741+/-1.223 χ^2/NDF:12511463.3/61

All: 10241.086+/-0.874 χ^2/NDF: 24080080.5

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: -7.515+/-1.289 χ^2/NDF: 81.7/36

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

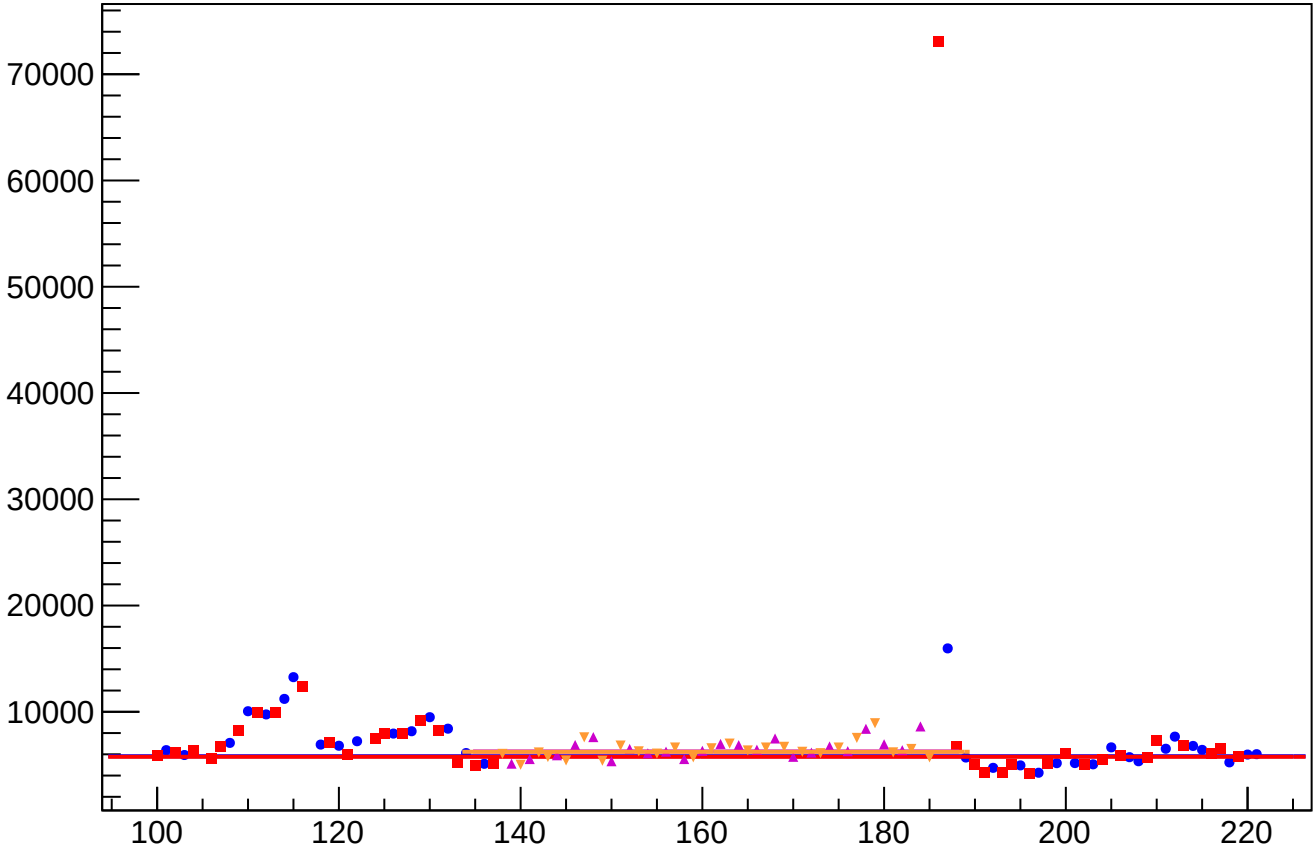
Right: -2.262+/-0.906 χ^2/NDF: 157.3/70

In: 1.379+/-0.966 χ^2/NDF:77.8/56

Out: -2.737+/-0.959 χ^2/NDF:131.1/61

All: -0.694+/-0.680 χ^2/NDF: 218.1/118

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: 5766.869+/-0.911 χ^2/NDF: 2442214.0/36

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

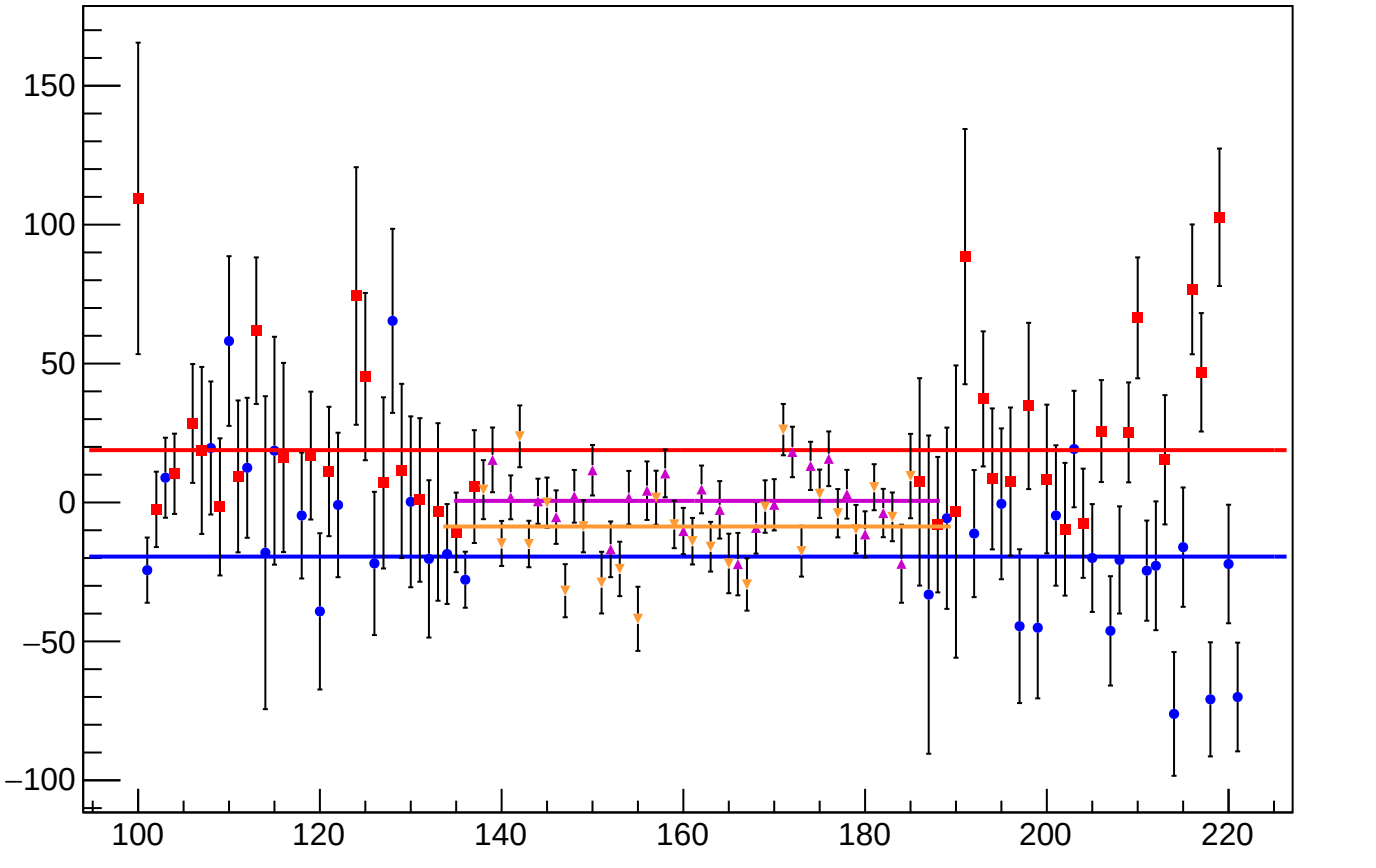
Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

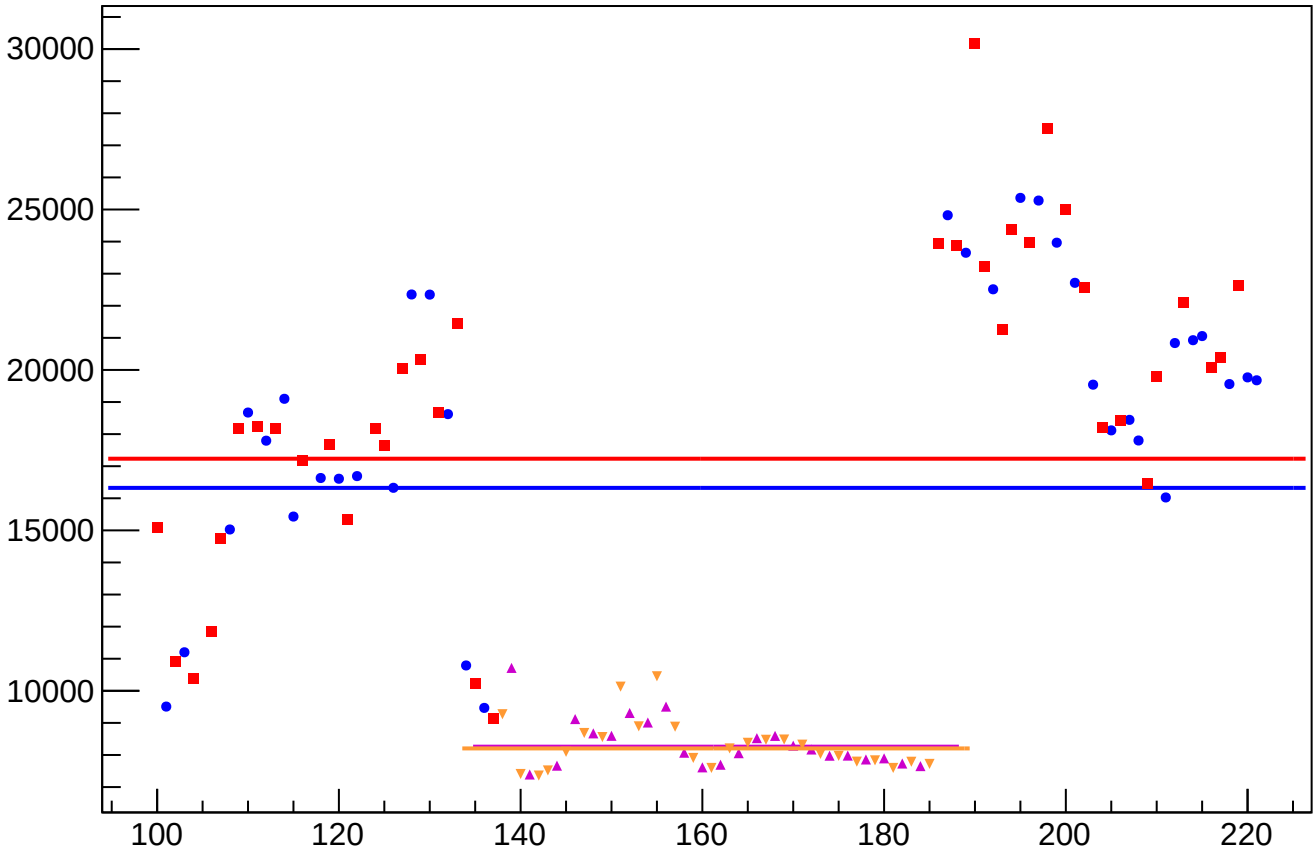
Right: 5793.622+/-0.640 χ^2/NDF: 4248437.5/70

In: 6010.251+/-0.683 χ^2/NDF:2434263.3/56

Out: 5977.192+/-0.678 χ^2/NDF:3069267.4/61

All: 5993.602+/-0.481 χ^2/NDF: 5504711.1/11


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -19.482+/-3.648 χ²/NDF: 52.6/33
Left Out: -8.650+/-1.875 χ²/NDF:63.0/24
Right Out: 18.840+/-3.882 χ²/NDF: 49.9/36
Left In: 0.583+/-1.939 χ²/NDF:28.5/22
Left: -4.188+/-1.348 χ²/NDF: 103.3/47
Right: -1.515+/-2.658 χ²/NDF: 154.3/70
In: -3.837+/-1.712 χ²/NDF:104.7/56
Out: -3.451+/-1.688 χ²/NDF:153.6/61
All: -3.641+/-1.202 χ²/NDF: 258.3/118



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: 17233.573+/-2.745 χ^2/NDF: 3437282.6/36

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

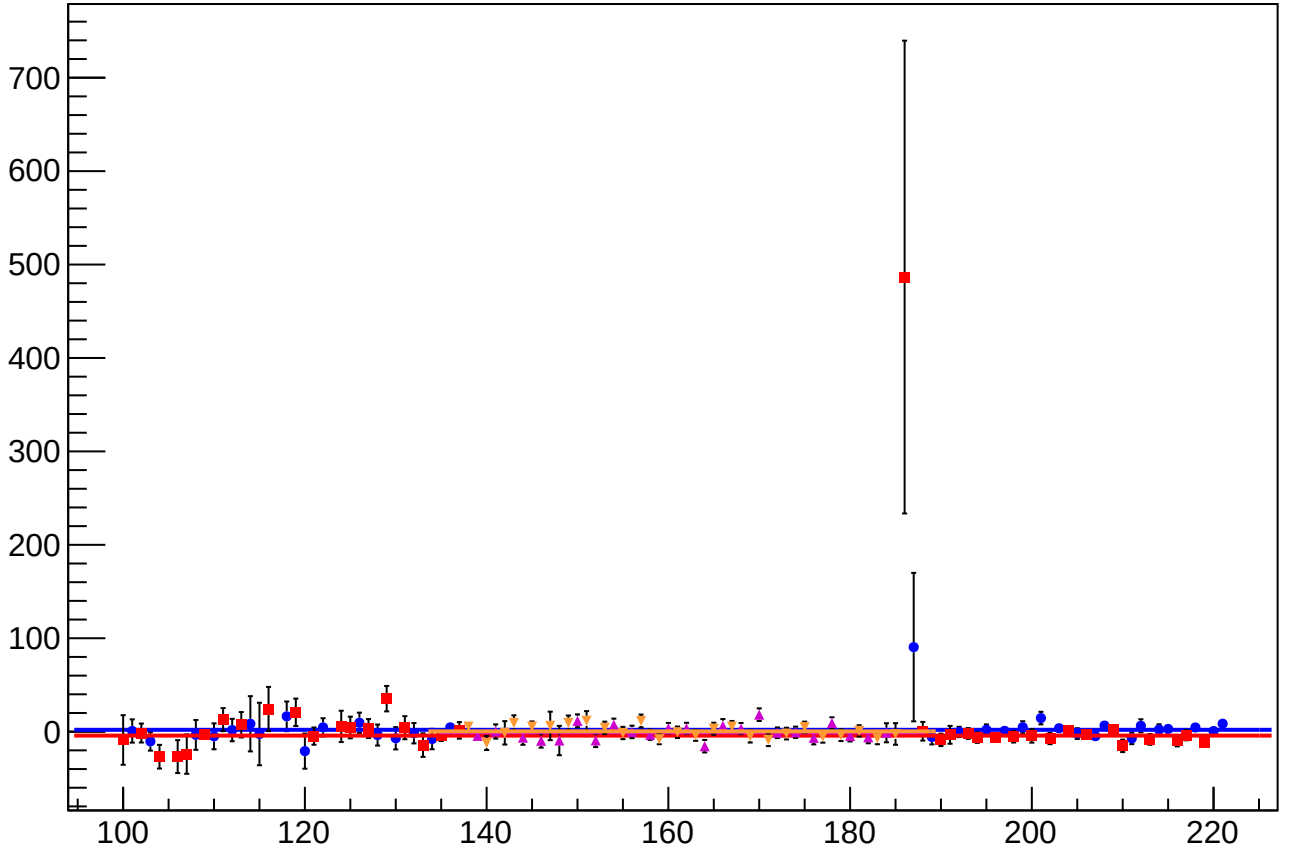
Right: 16750.699+/-1.880 χ^2/NDF: 7274478.2/70

In: 10035.821+/-1.211 χ^2/NDF:11660205.9/56

Out: 9912.287+/-1.194 χ^2/NDF:12481617.3/61

All: 9973.198+/-0.850 χ^2/NDF: 24147102.0/

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: -4.213+/-1.222 χ^2/NDF: 38.0/36

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

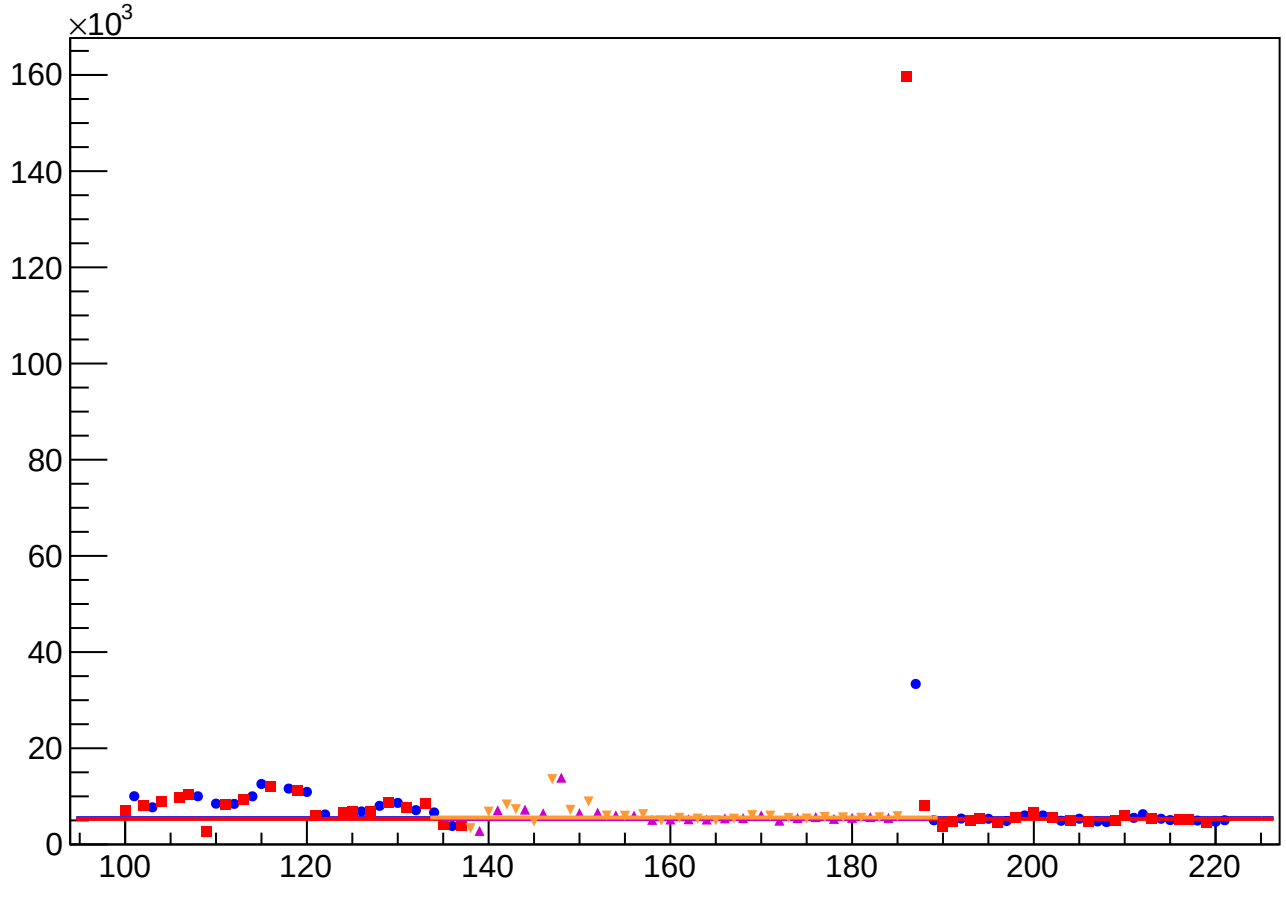
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -1.071+/-0.859 χ^2/NDF: 71.9/70

In: 0.736+/-0.882 χ^2/NDF:53.1/56

Out: -2.109+/-0.897 χ^2/NDF:65.9/61

All: -0.663+/-0.629 χ^2/NDF: 124.1/118



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: 5317.401+/-0.864 χ^2/NDF: 3870631.4/36

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

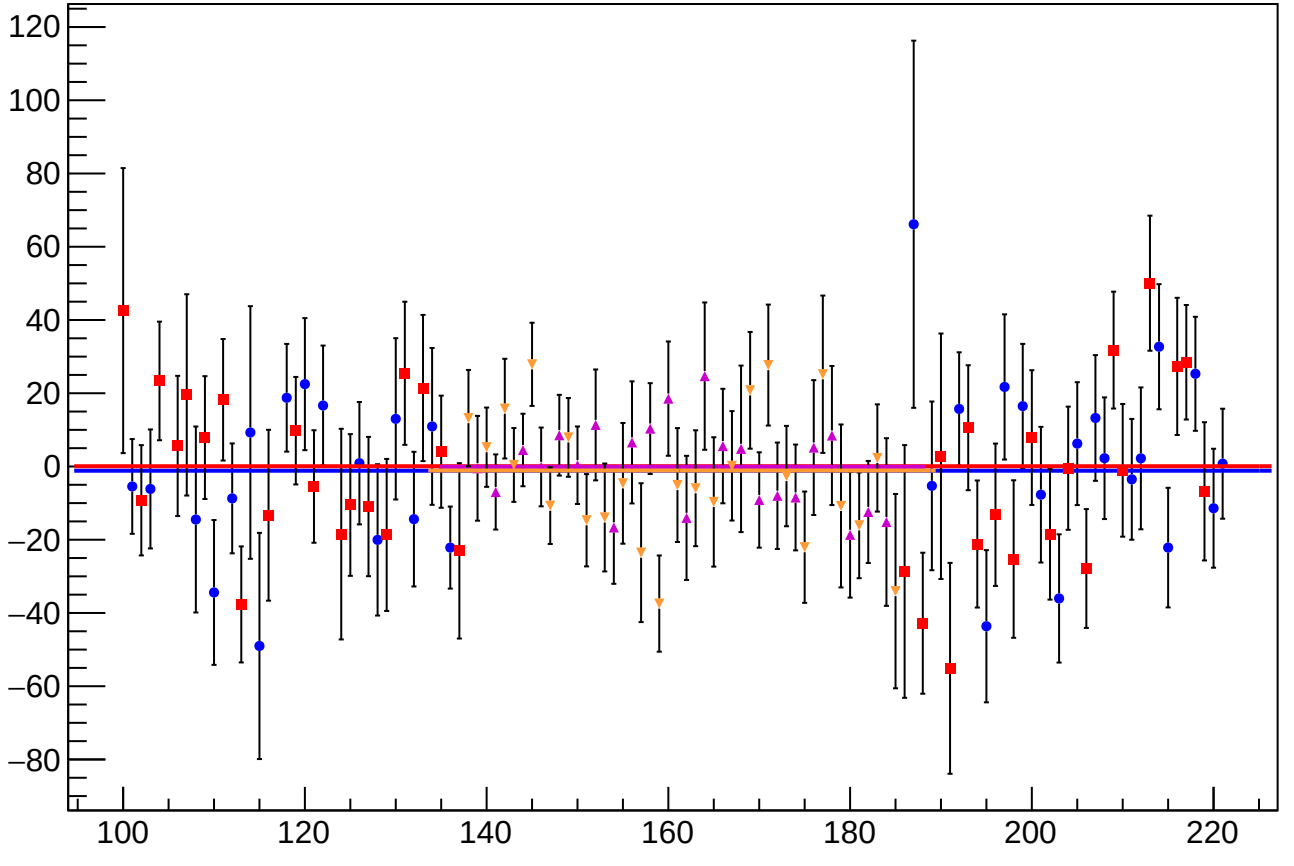
Right: 5391.470+/-0.607 χ^2/NDF: 6454725.1/70

In: 5370.020+/-0.624 χ^2/NDF:5021037.6/56

Out: 5445.069+/-0.634 χ^2/NDF:5702304.7/61

All: 5406.910+/-0.445 χ^2/NDF: 10730459.5/1

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: 0.071+/-3.083 χ^2/NDF: 52.1/36

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

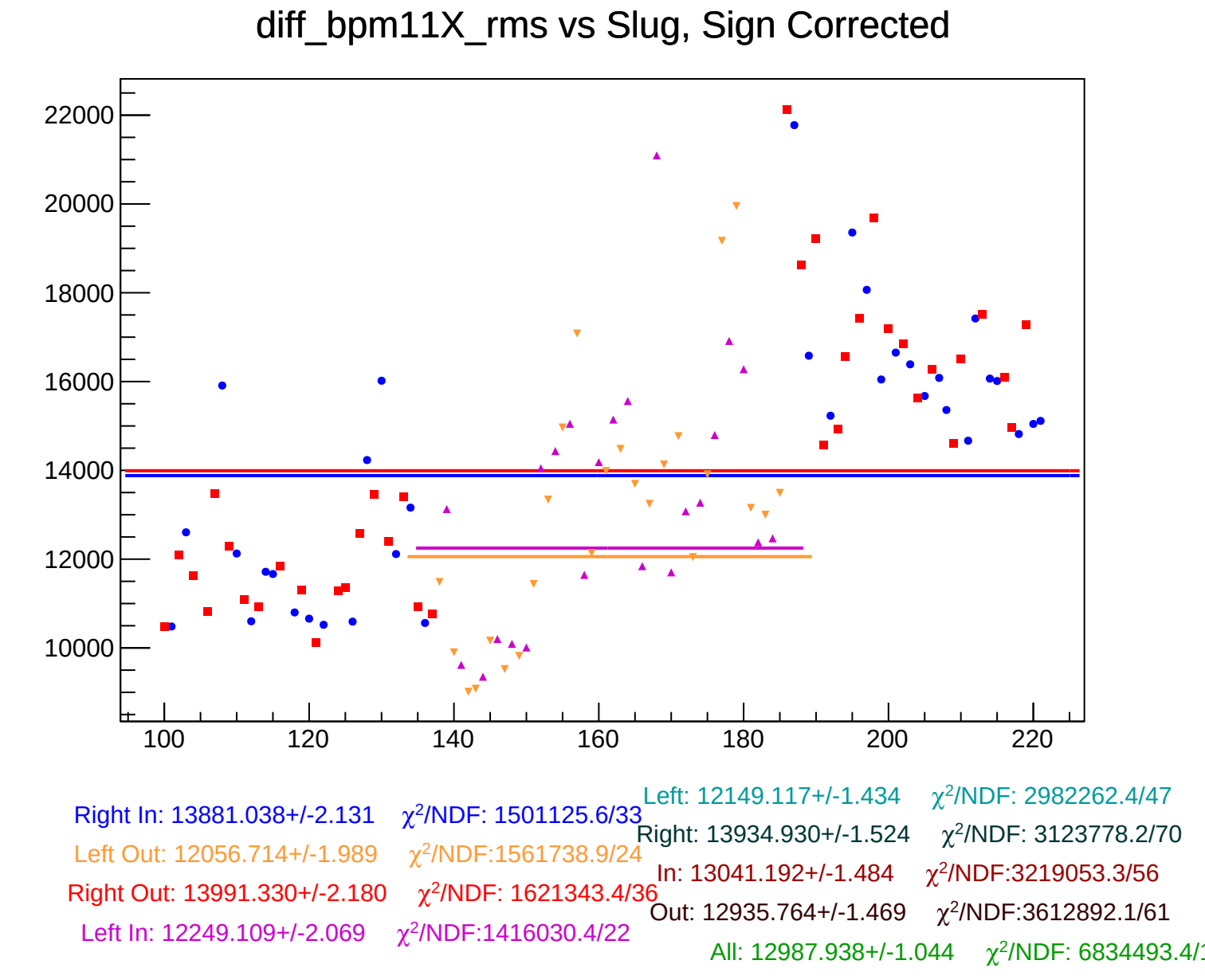
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -0.558+/-2.155 χ^2/NDF: 92.1/70

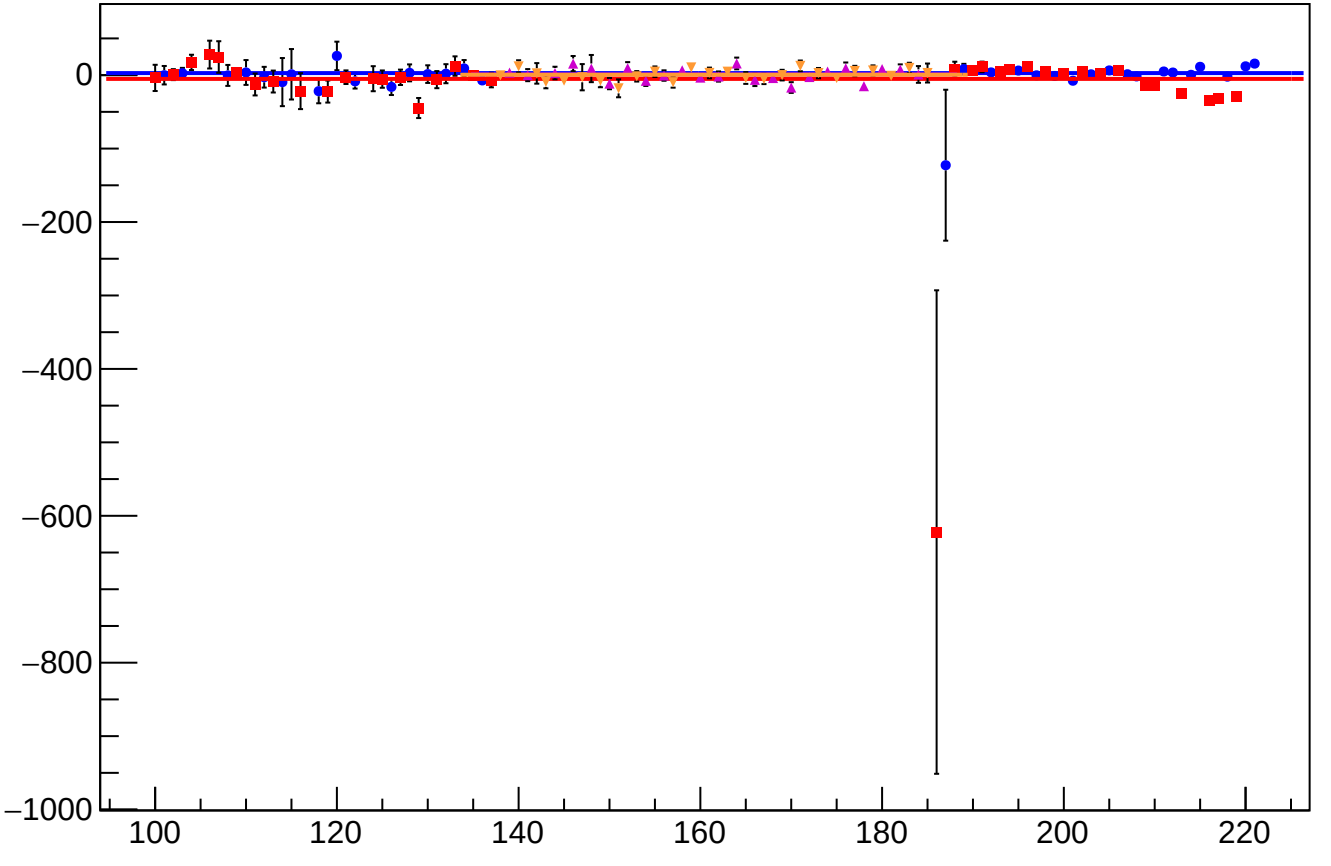
In: -0.606+/-2.099 χ^2/NDF:51.5/56

Out: -0.574+/-2.078 χ^2/NDF:85.9/61

All: -0.590+/-1.477 χ^2/NDF: 137.4/118


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: 13991.330+/-2.180 χ²/NDF: 1621343.4/36
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13934.930+/-1.524 χ²/NDF: 3123778.2/70
In: 13041.192+/-1.484 χ²/NDF:3219053.3/56
Out: 12935.764+/-1.469 χ²/NDF:3612892.1/61
All: 12987.938+/-1.044 χ²/NDF: 6834493.4/

diff_bpm11Y_mean vs Slug, Sign Corrected



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: -5.118+/-1.049 χ^2/NDF: 205.2/36

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

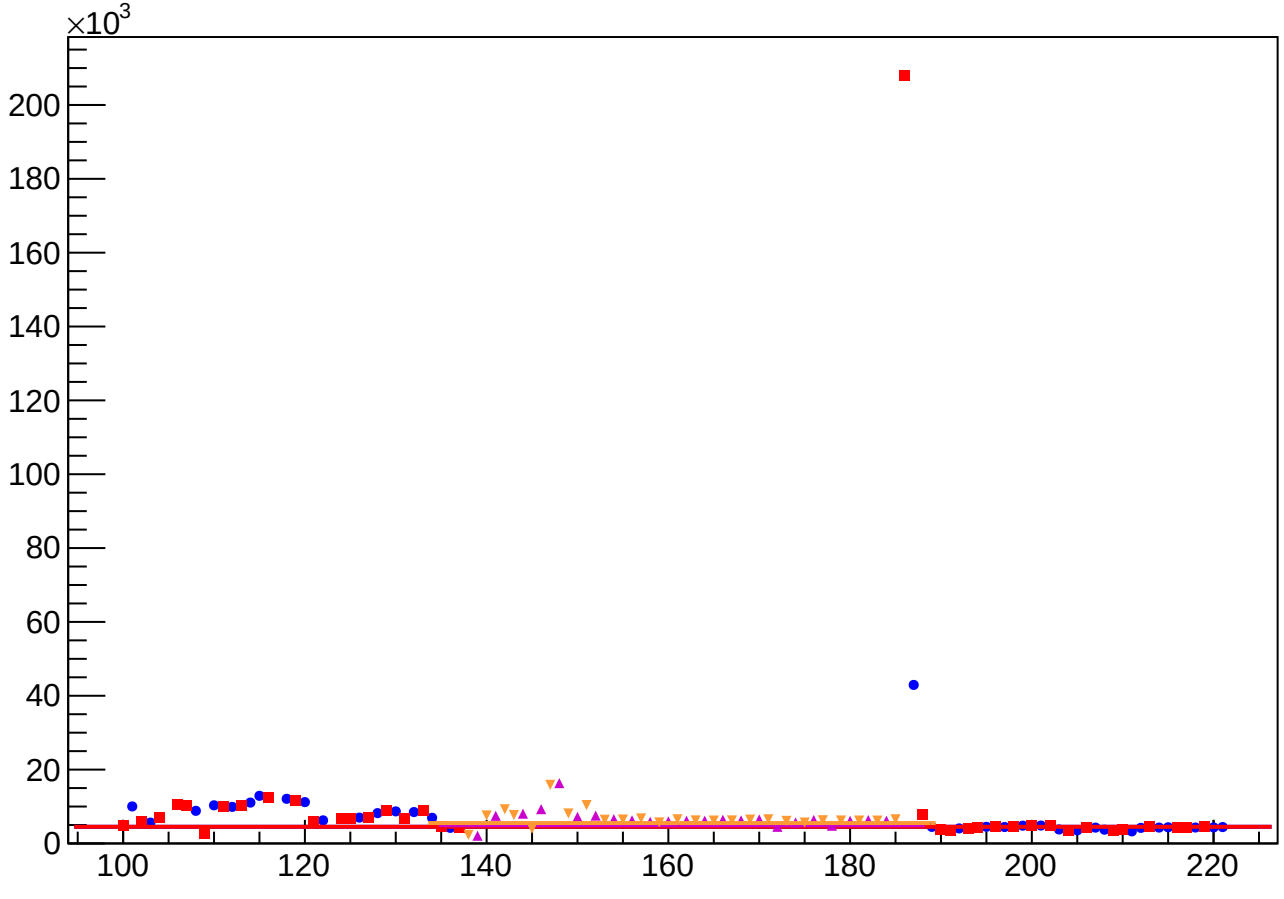
Right: -1.033+/-0.729 χ^2/NDF: 275.6/70

In: 2.082+/-0.798 χ^2/NDF:74.4/56

Out: -3.030+/-0.833 χ^2/NDF:237.4/61

All: -0.365+/-0.576 χ^2/NDF: 331.4/118

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: 4511.610+/-0.742 χ^2/NDF: 4243639.6/36

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

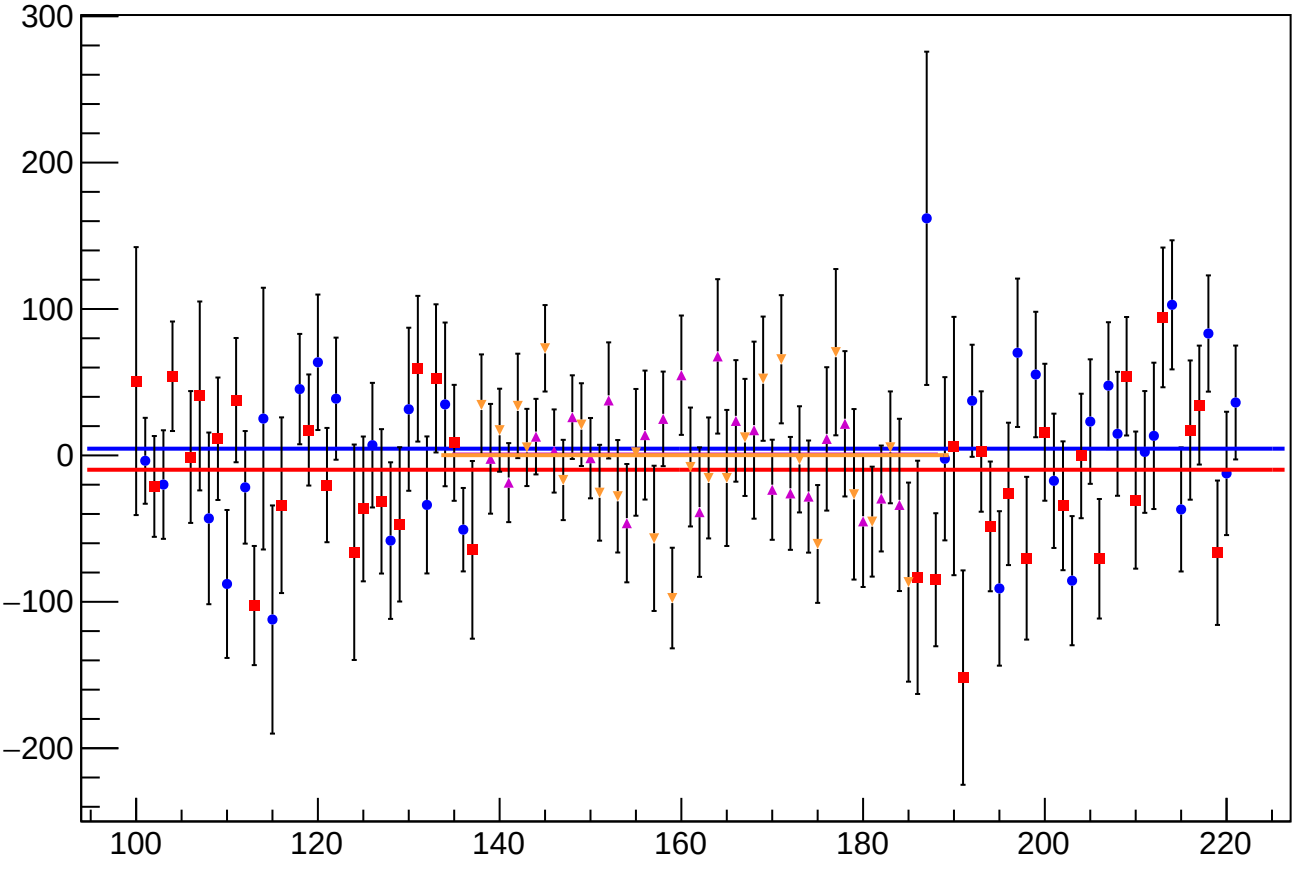
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 4510.197+/-0.515 χ^2/NDF: 7976866.2/70

In: 4673.438+/-0.564 χ^2/NDF:9808193.5/56

Out: 4887.636+/-0.589 χ^2/NDF:9314151.8/61

All: 4775.976+/-0.407 χ^2/NDF: 19191359.6/1



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: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

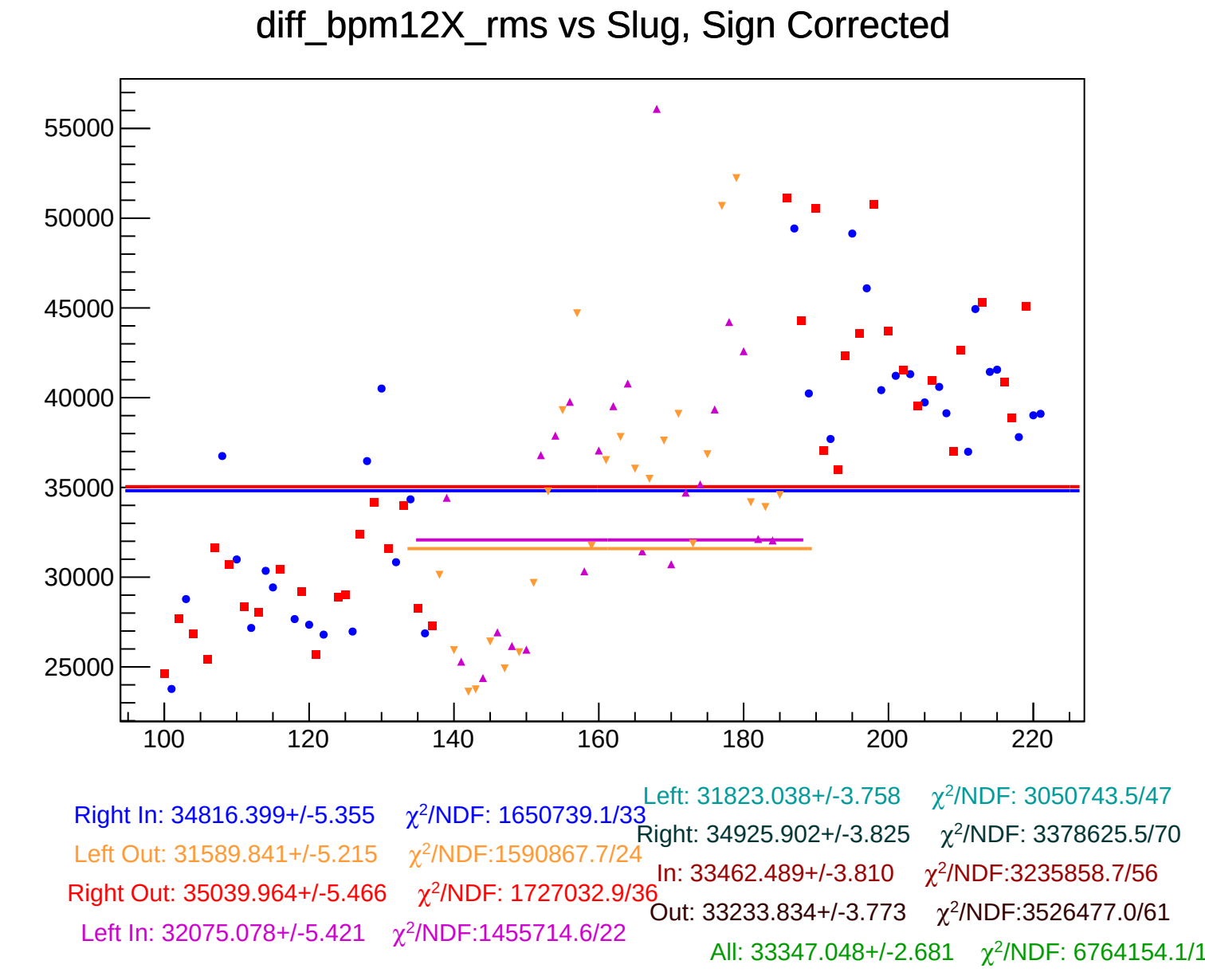
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -2.453+/-5.410 χ^2/NDF: 84.5/70

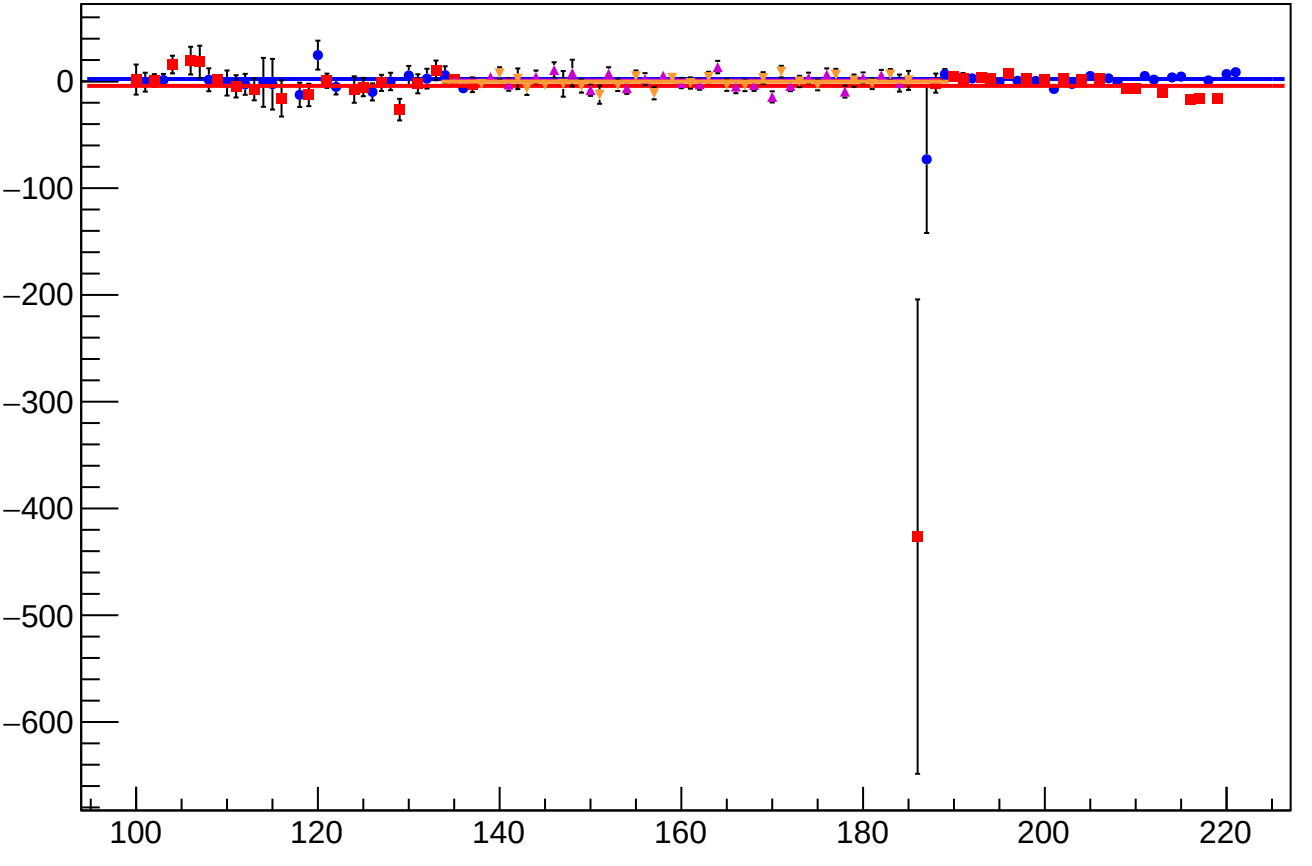
In: 2.615+/-5.388 χ^2/NDF:55.4/56

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.017+/-3.791 χ^2/NDF: 128.6/118


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: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34925.902+/-3.825 χ²/NDF: 3378625.5/70
In: 33462.489+/-3.810 χ²/NDF:3235858.7/56
Out: 33233.834+/-3.773 χ²/NDF:3526477.0/61
All: 33347.048+/-2.681 χ²/NDF: 6764154.1/1

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: -4.215+/-0.622 χ^2/NDF: 183.8/36

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

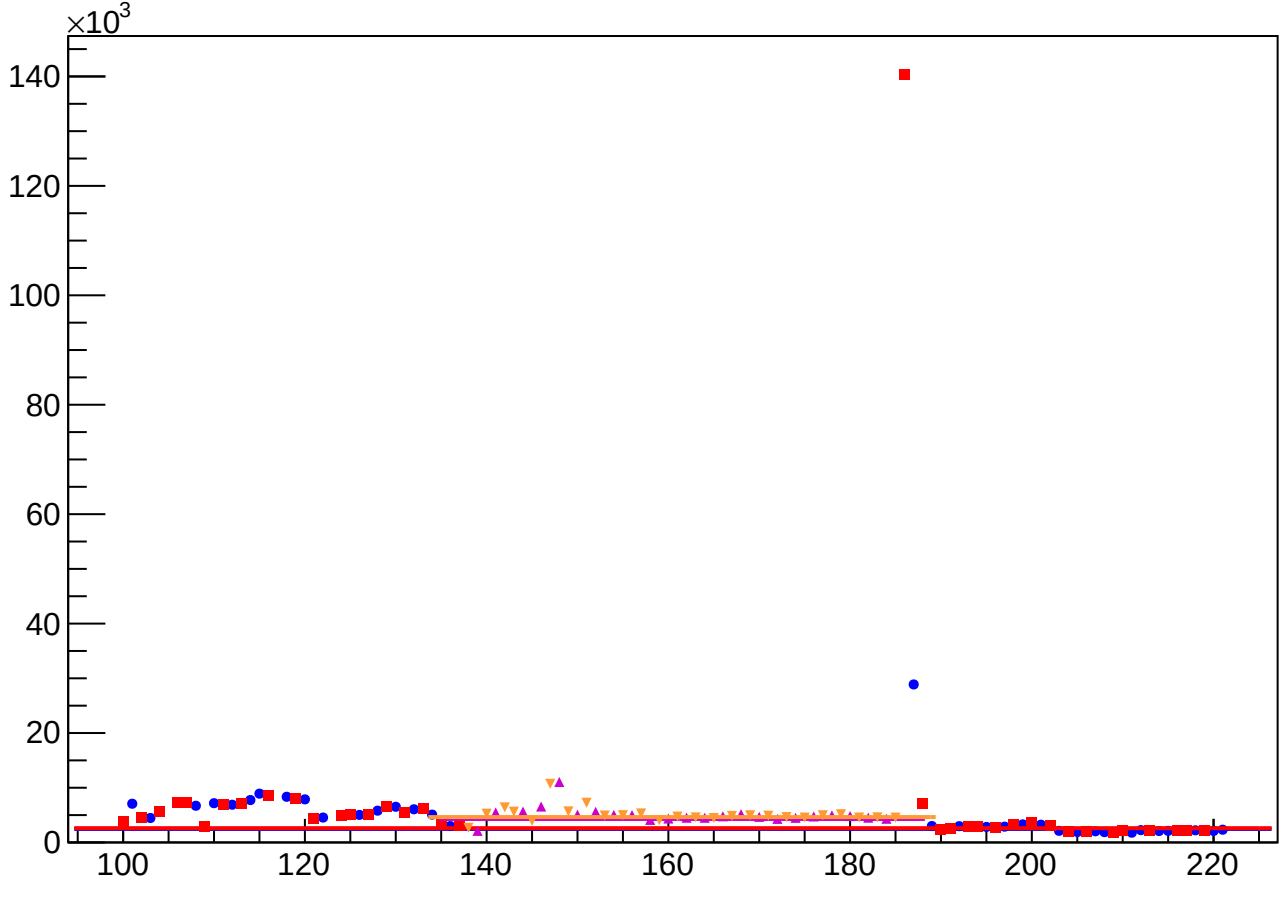
Right: -0.730+/-0.422 χ^2/NDF: 292.2/70

In: 1.904+/-0.504 χ^2/NDF:85.6/56

Out: -3.240+/-0.541 χ^2/NDF:213.7/61

All: -0.489+/-0.369 χ^2/NDF: 347.7/118

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: 2606.315+/-0.440 χ^2/NDF: 6562501.2/36

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

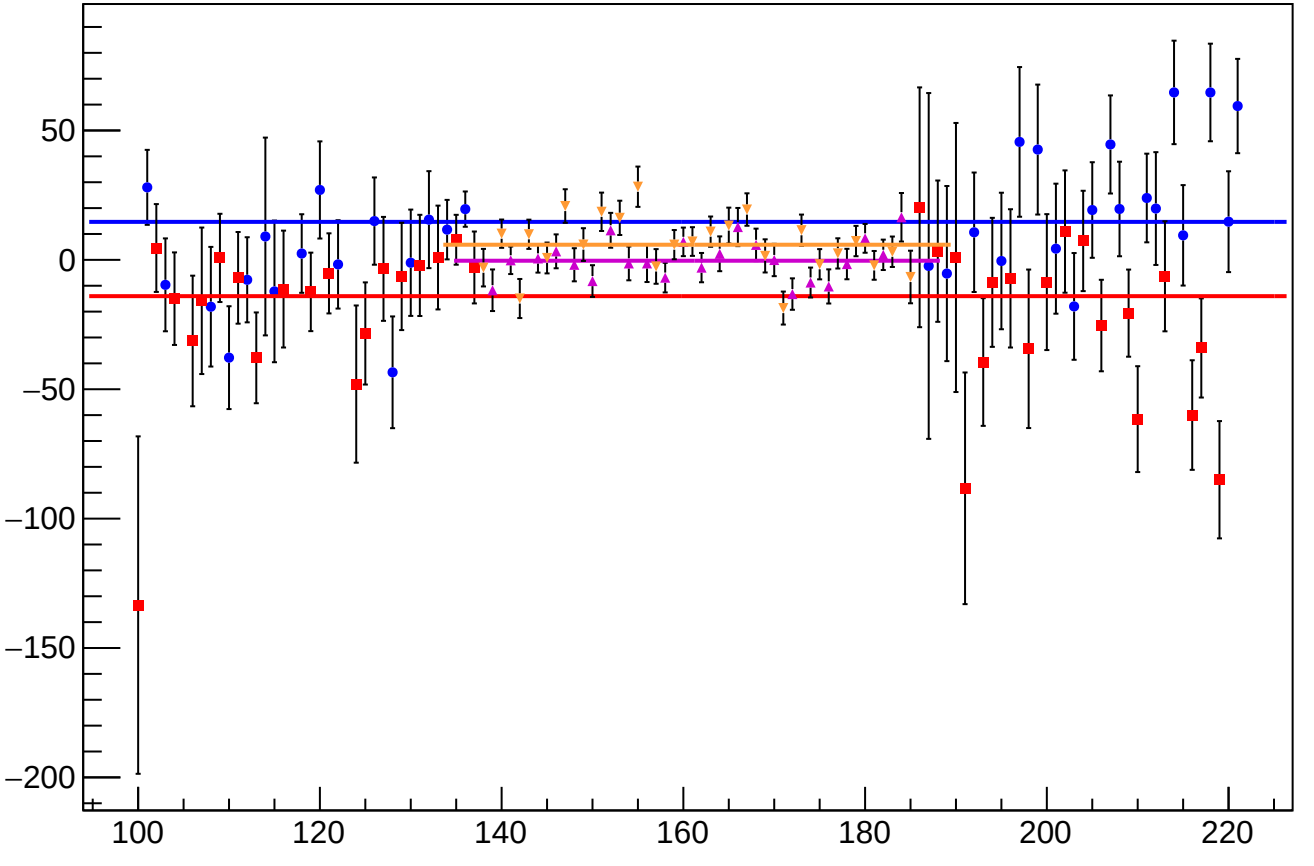
Right: 2534.869+/-0.298 χ^2/NDF: 12720908.6/70

In: 2885.825+/-0.357 χ^2/NDF:13767396.1/56

Out: 3102.668+/-0.382 χ^2/NDF:13535314.8/61

All: 2986.681+/-0.261 χ^2/NDF: 27474716.9/1

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: -14.026+/-3.296 χ^2/NDF: 46.5/36

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

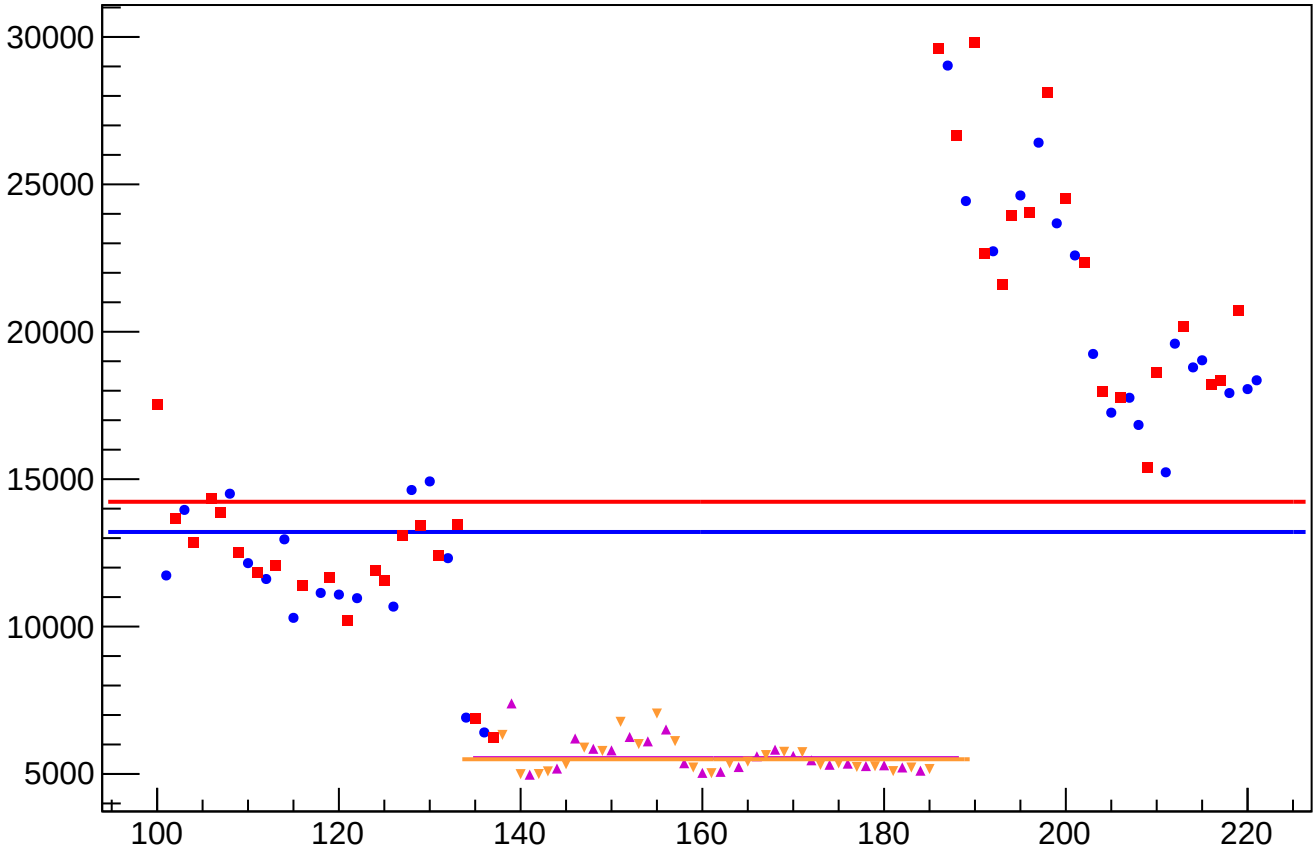
Right: 1.439+/-2.239 χ^2/NDF: 140.5/70

In: 1.974+/-1.197 χ^2/NDF:103.0/56

Out: 3.324+/-1.175 χ^2/NDF:138.3/61

All: 2.661+/-0.838 χ^2/NDF: 241.9/118

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 13208.625+/-2.157 χ^2/NDF: 6331654.6/33

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 14232.969+/-2.331 χ^2/NDF: 5561693.2/36

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

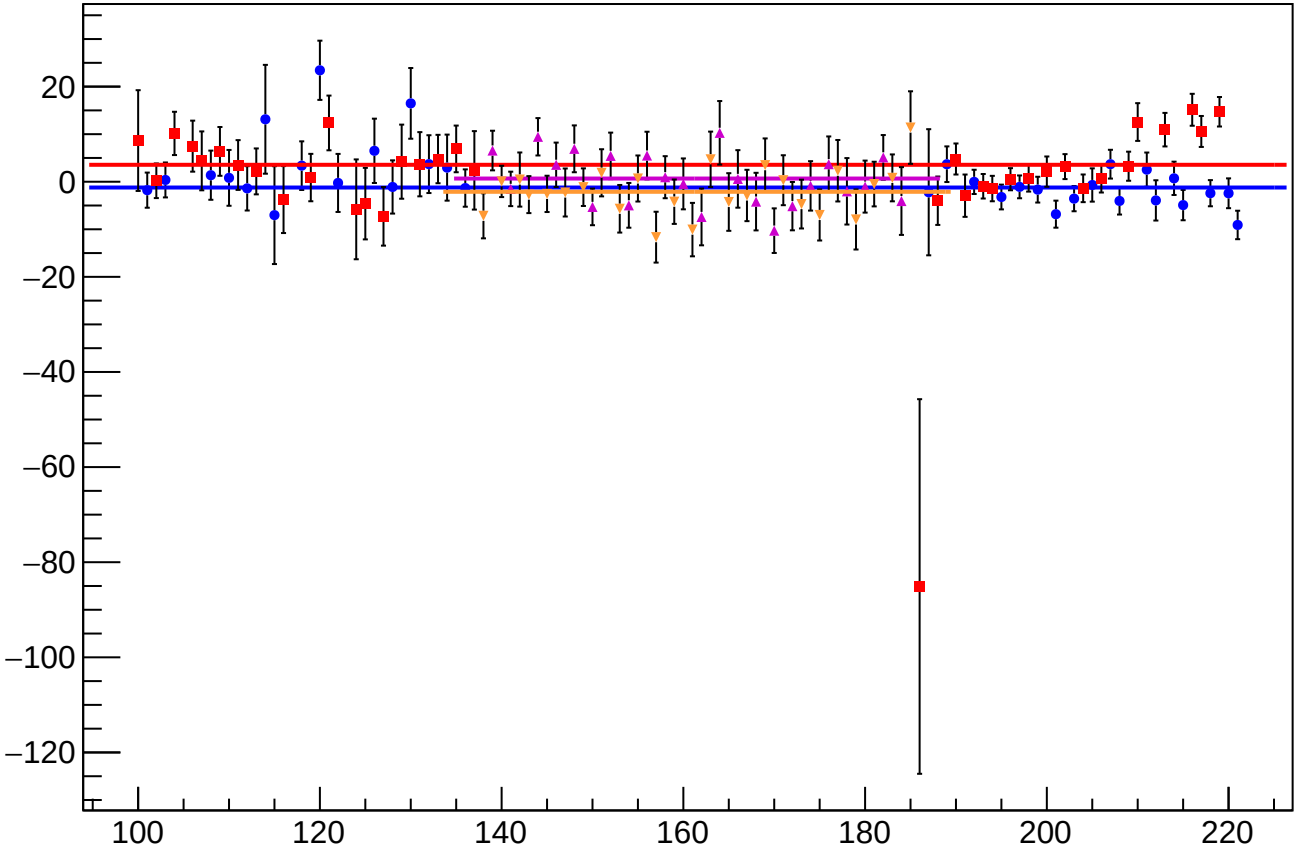
Right: 13681.104+/-1.583 χ^2/NDF: 11997403.8/70

In: 6718.326+/-0.846 χ^2/NDF:17339755.1/56

Out: 6608.668+/-0.831 χ^2/NDF:18116578.9/61

All: 6662.494+/-0.593 χ^2/NDF: 35464887.0/1

diff_bpm16Y_mean vs Slug, Sign Corrected



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: 3.560+/-0.647 χ^2/NDF: 75.3/36

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

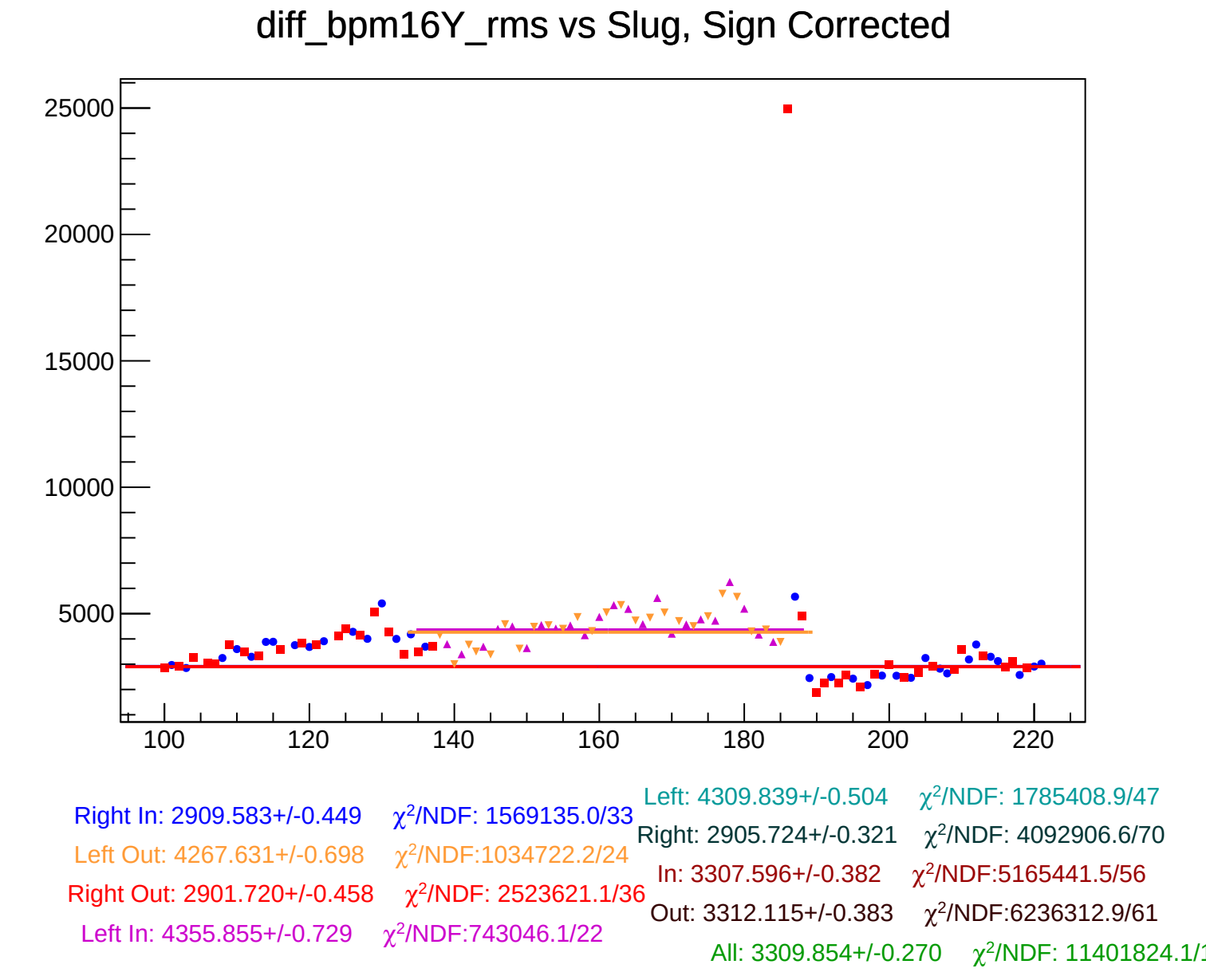
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 1.127+/-0.453 χ^2/NDF: 151.3/70

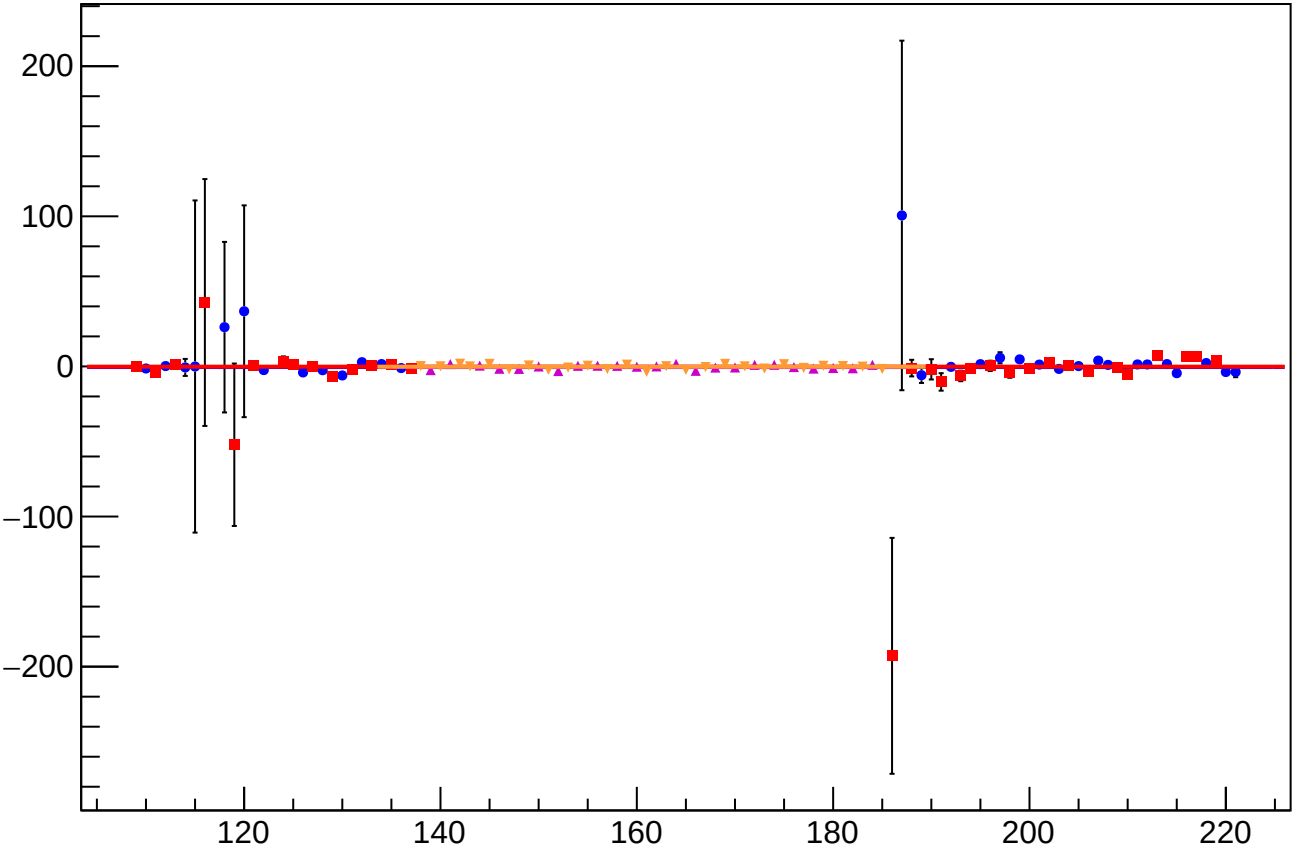
In: -0.698+/-0.541 χ^2/NDF:79.0/56

Out: 1.855+/-0.541 χ^2/NDF:115.9/61

All: 0.578+/-0.383 χ^2/NDF: 206.0/118


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: 2901.720+/-0.458 χ²/NDF: 2523621.1/36
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2905.724+/-0.321 χ²/NDF: 4092906.6/70
In: 3307.596+/-0.382 χ²/NDF:5165441.5/56
Out: 3312.115+/-0.383 χ²/NDF:6236312.9/61
All: 3309.854+/-0.270 χ²/NDF: 11401824.1/1

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: -0.158+/-0.497 χ^2/NDF: 60.0/31

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

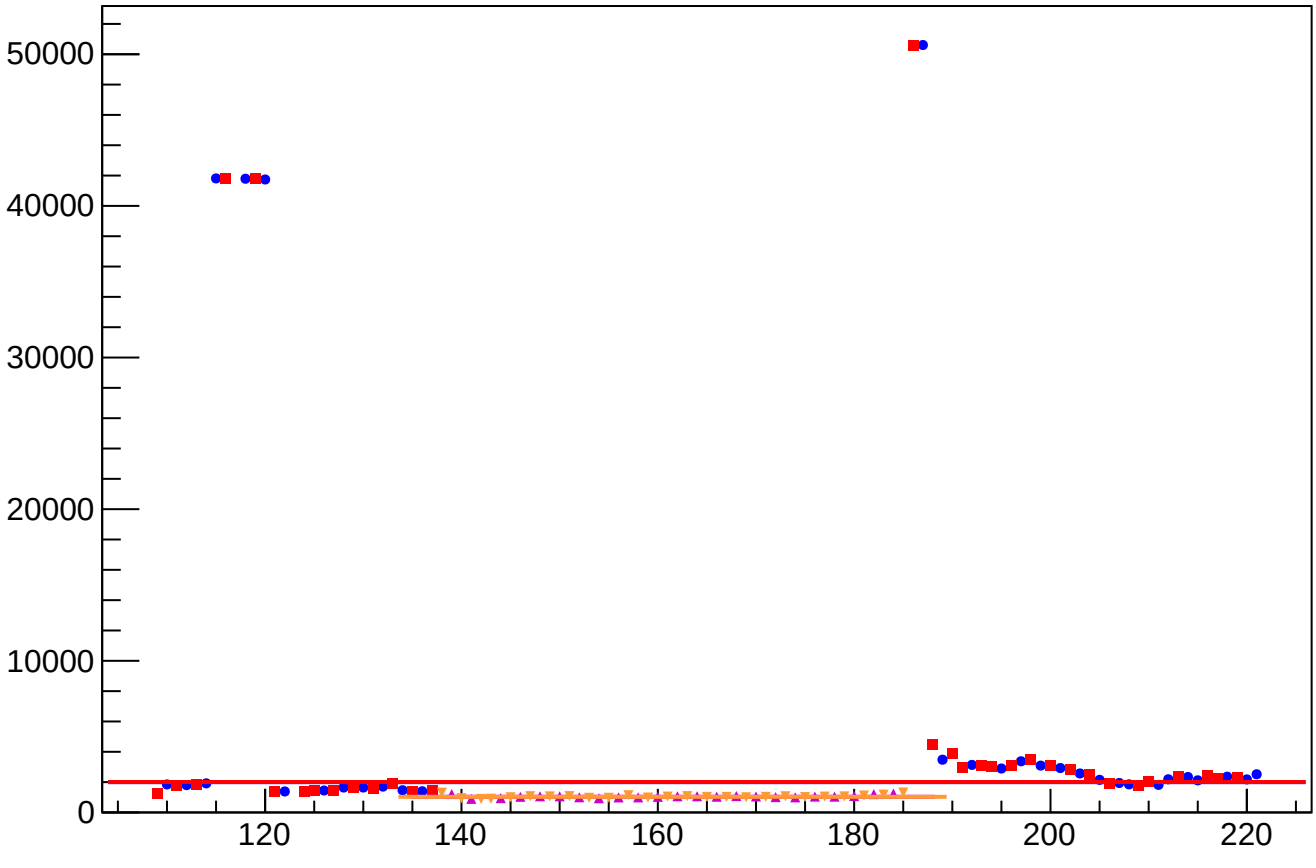
Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

Right: -0.289+/-0.345 χ^2/NDF: 95.8/62

In: -0.349+/-0.216 χ^2/NDF:65.1/53

Out: -0.193+/-0.213 χ^2/NDF:93.9/56

All: -0.270+/-0.152 χ^2/NDF: 159.3/110



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: 2007.177+/-0.351 χ^2/NDF: 5525514.5/31

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

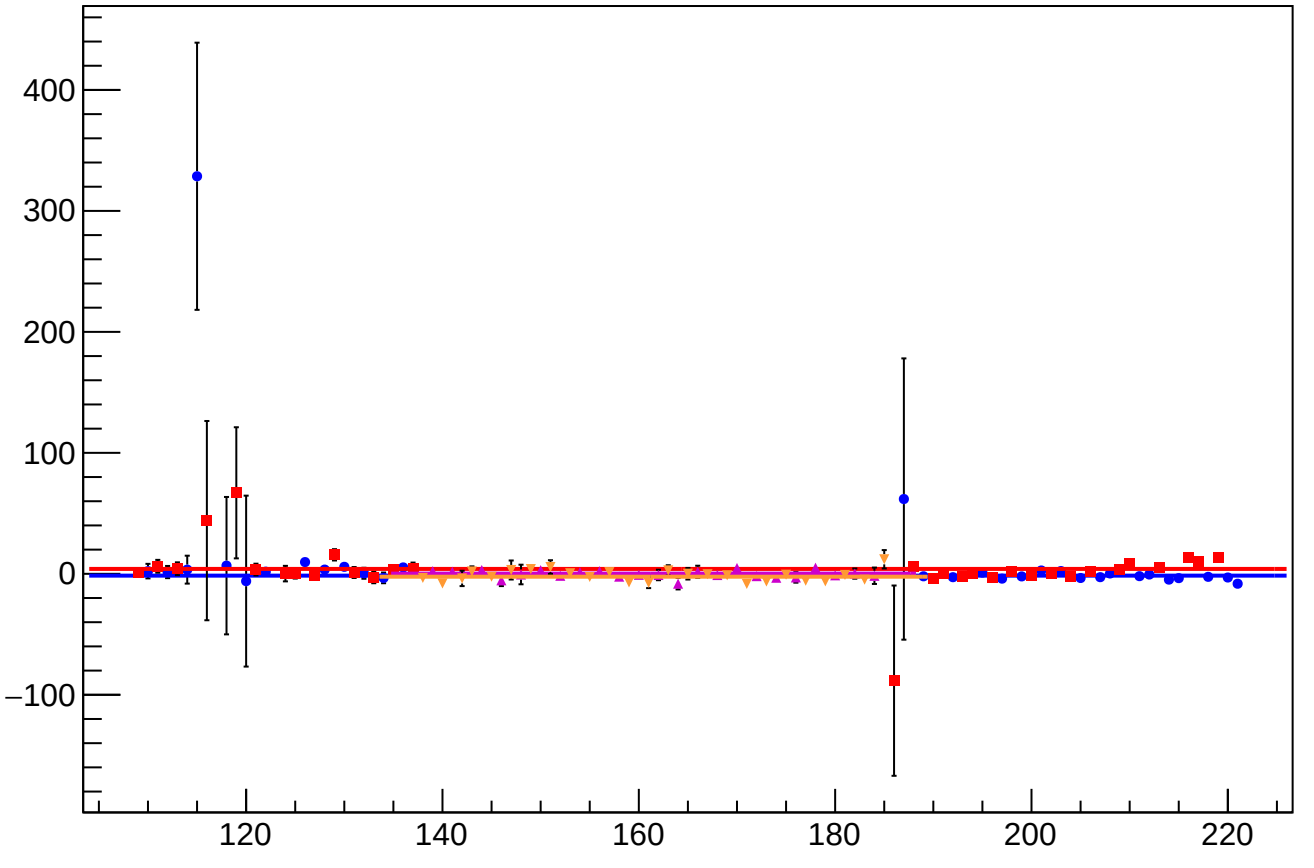
Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

Right: 2002.611+/-0.244 χ^2/NDF: 10110087.3/62

In: 1229.534+/-0.153 χ^2/NDF:11253527.6/53

Out: 1210.408+/-0.150 χ^2/NDF:12065473.2/56

All: 1219.825+/-0.107 χ^2/NDF: 23326955.5/1



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: 4.050+/-0.420 χ^2/NDF: 164.1/31

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

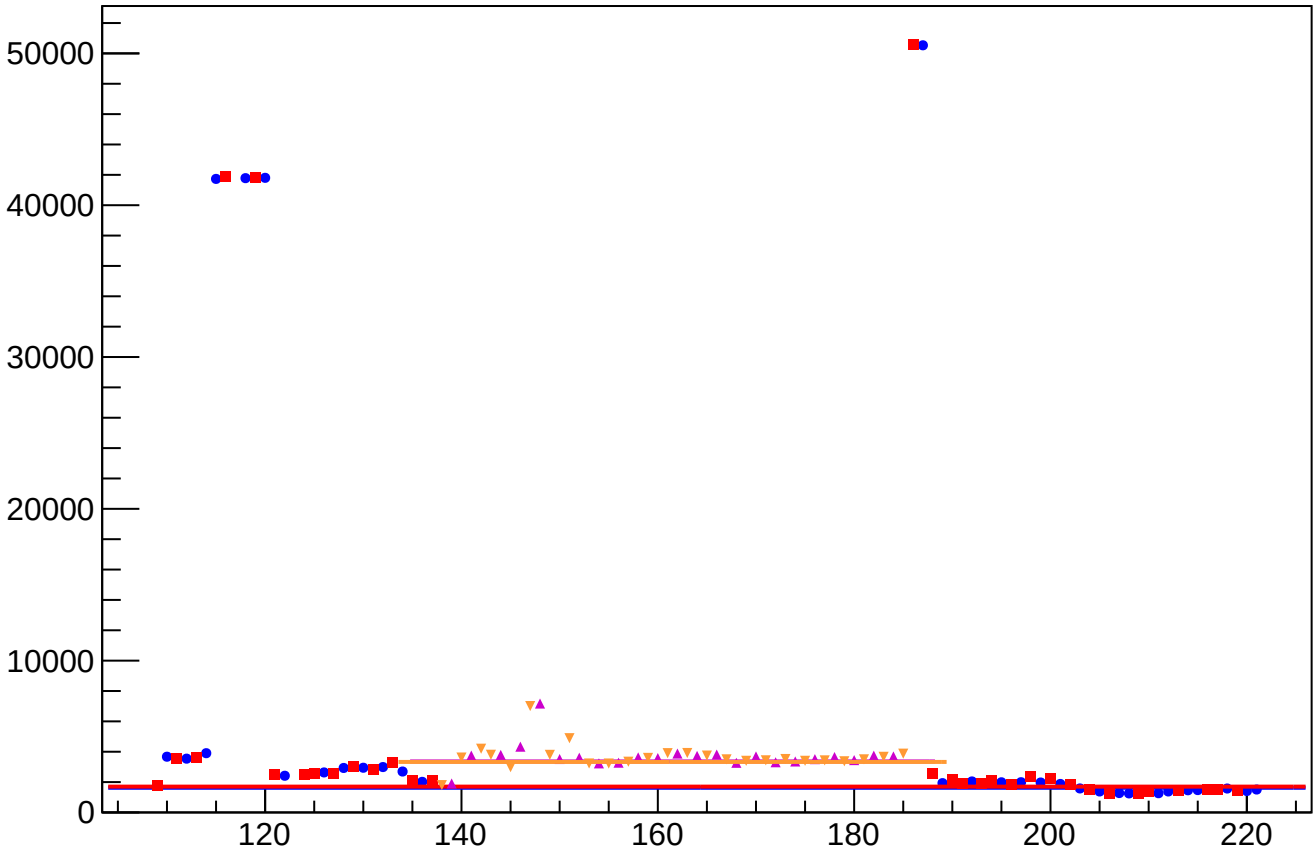
Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

Right: 1.082+/-0.286 χ^2/NDF: 325.7/62

In: -1.184+/-0.352 χ^2/NDF:84.0/53

Out: 2.613+/-0.370 χ^2/NDF:240.9/56

All: 0.623+/-0.255 χ^2/NDF: 380.2/110



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: 1701.680+/-0.297 χ^2/NDF: 4894679.2/31

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

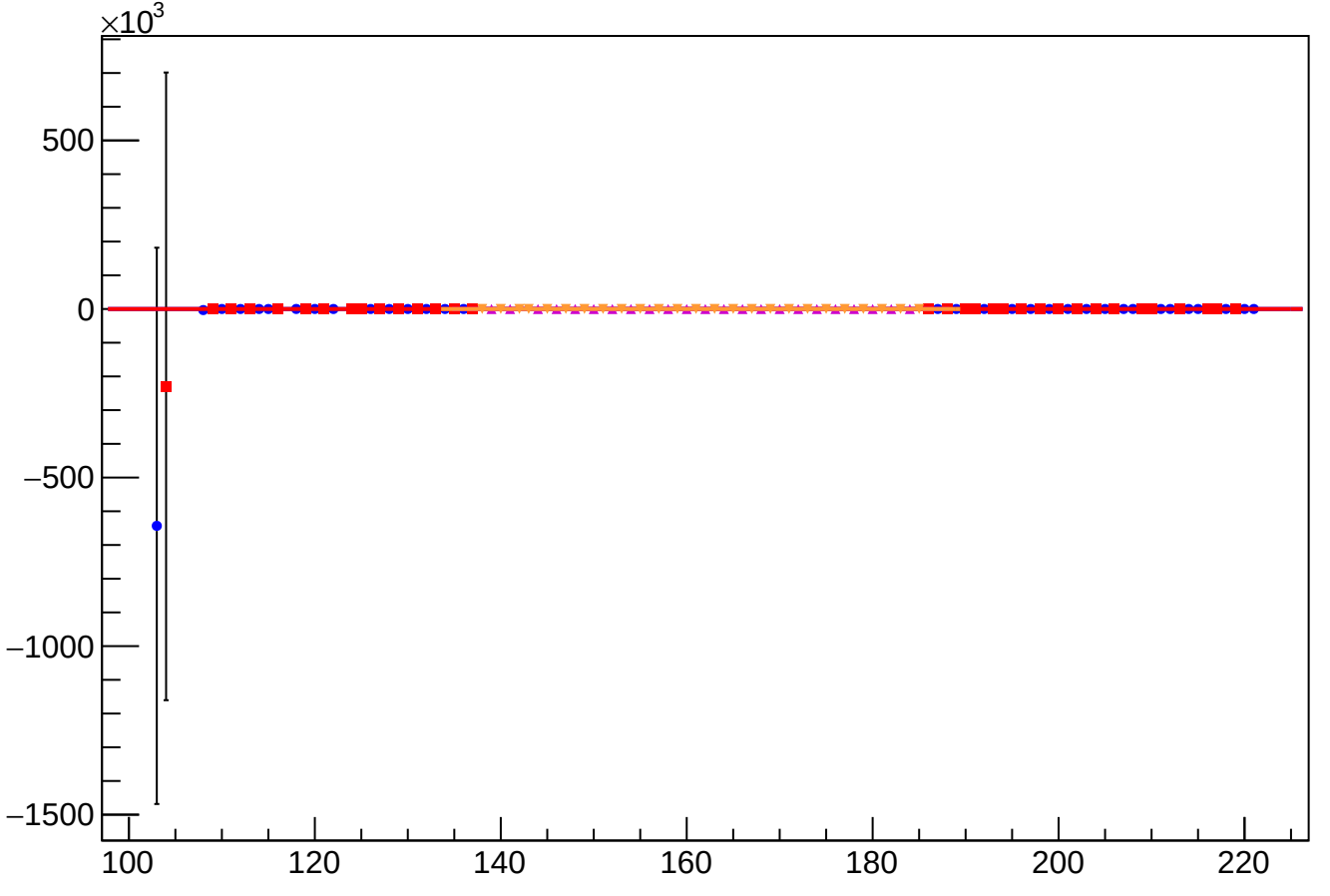
Right: 1661.683+/-0.202 χ^2/NDF: 9671974.4/62

In: 1955.299+/-0.249 χ^2/NDF:13828652.1/53

Out: 2065.143+/-0.261 χ^2/NDF:13528055.6/56

All: 2007.583+/-0.180 χ^2/NDF: 27449225.5/1

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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: 3.645+/-0.536 χ^2/NDF: 89.8/32

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

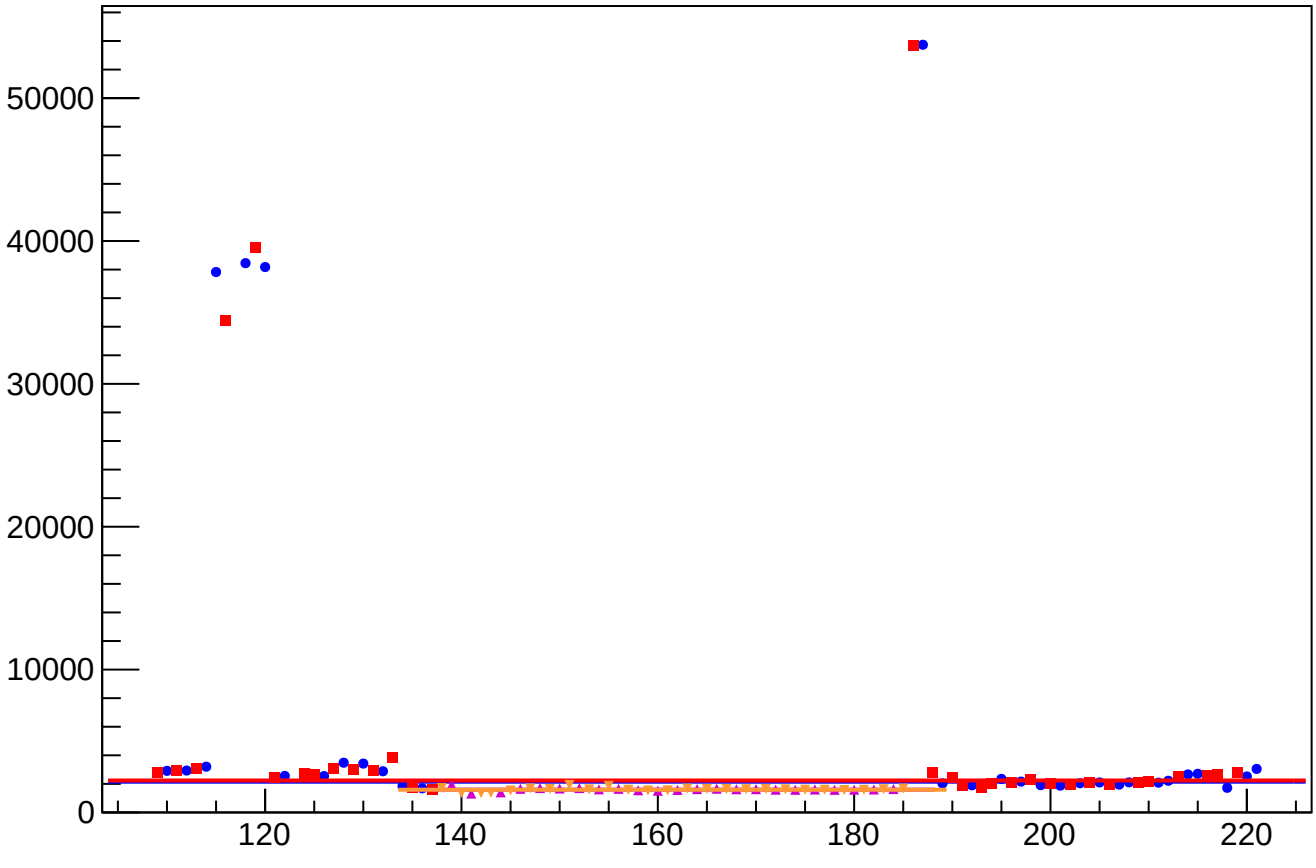
Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

Right: 0.367+/-0.369 χ^2/NDF: 210.6/65

In: -0.921+/-0.302 χ^2/NDF:93.5/55

Out: 0.067+/-0.301 χ^2/NDF:205.1/57

All: -0.425+/-0.213 χ^2/NDF: 304.0/113



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: 2237.728+/-0.379 χ^2/NDF: 3439474.2/31

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

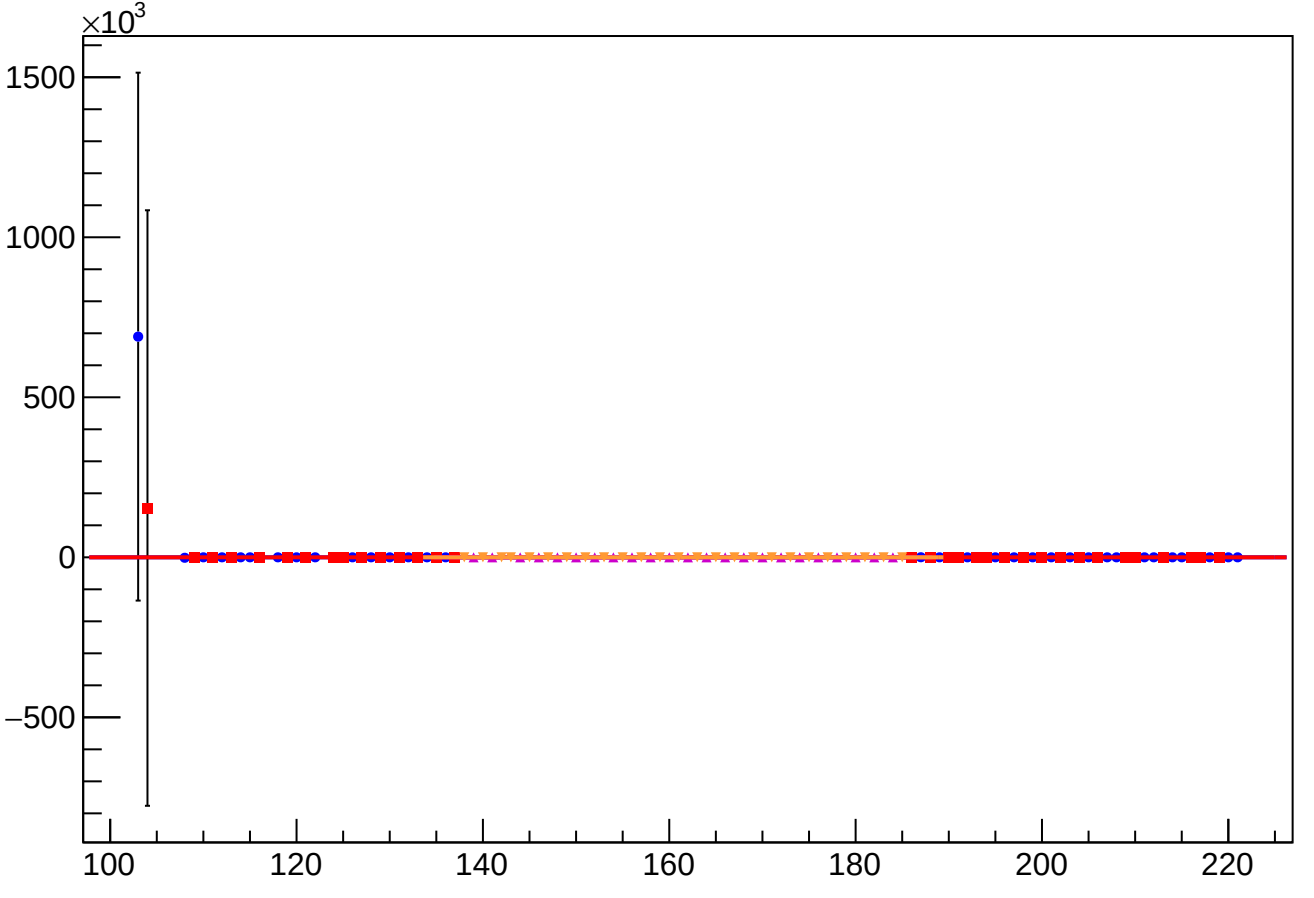
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2193.258+/-0.261 χ^2/NDF: 6828081.5/62

In: 1791.432+/-0.213 χ^2/NDF:5110251.5/53

Out: 1793.218+/-0.212 χ^2/NDF:5677564.0/56

All: 1792.329+/-0.151 χ^2/NDF: 10787850.7/1



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: 1.800+/-0.341 χ^2/NDF: 67.0/32

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

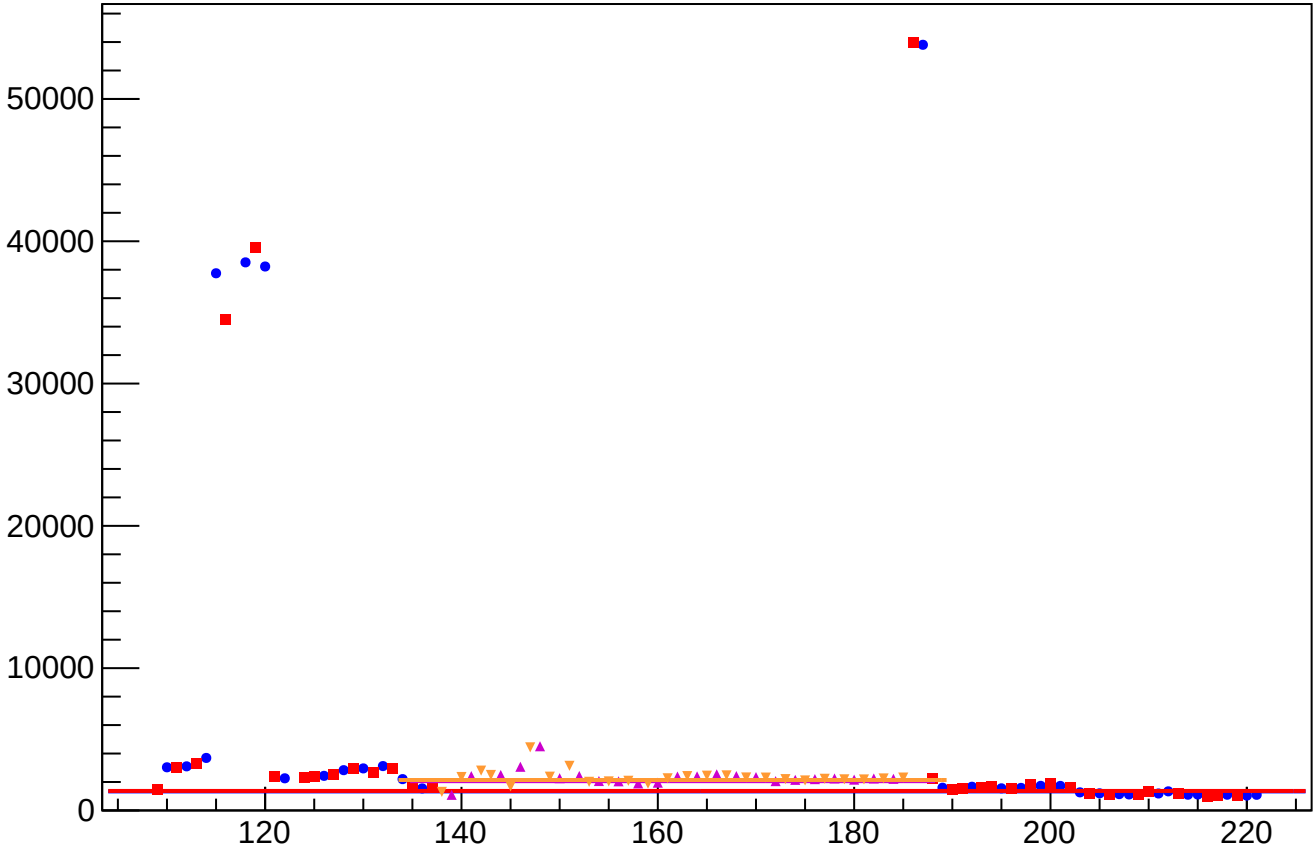
Right: 0.593+/-0.235 χ^2/NDF: 123.9/65

In: -0.387+/-0.272 χ^2/NDF:50.3/55

Out: 0.860+/-0.282 χ^2/NDF:115.5/57

All: 0.214+/-0.196 χ^2/NDF: 175.9/113

diff_bpm1p03aY_rms vs Slug, Sign Corrected



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: 1371.063+/-0.241 χ^2/NDF: 5499651.1/31

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

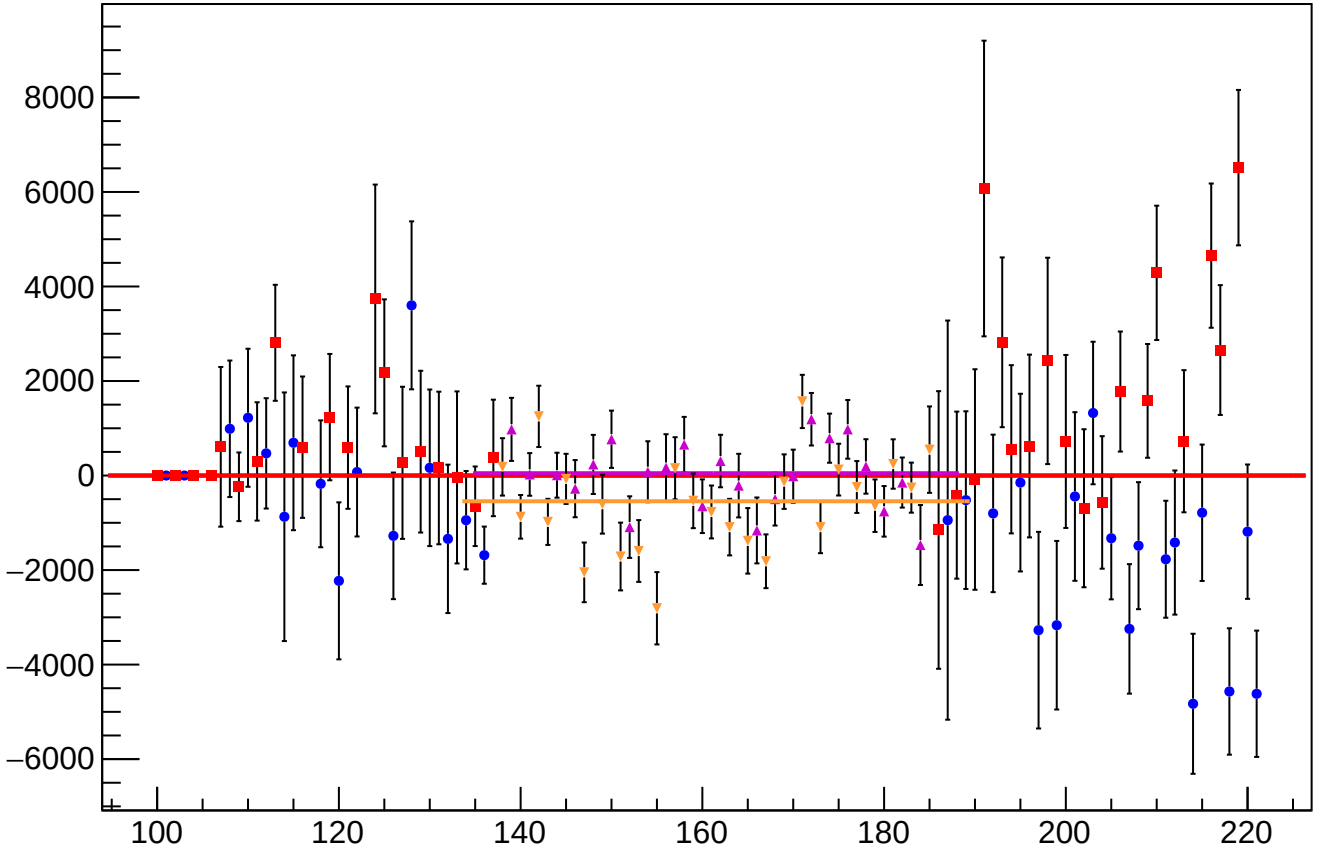
Right: 1354.121+/-0.166 χ^2/NDF: 10663218.7/62

In: 1550.974+/-0.192 χ^2/NDF:10352514.4/53

Out: 1613.426+/-0.200 χ^2/NDF:10179415.0/56

All: 1581.070+/-0.139 χ^2/NDF: 20582663.8/

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.253+/-0.356 χ^2/NDF: 70.6/33

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.095+/-0.328 χ^2/NDF: 65.5/36

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

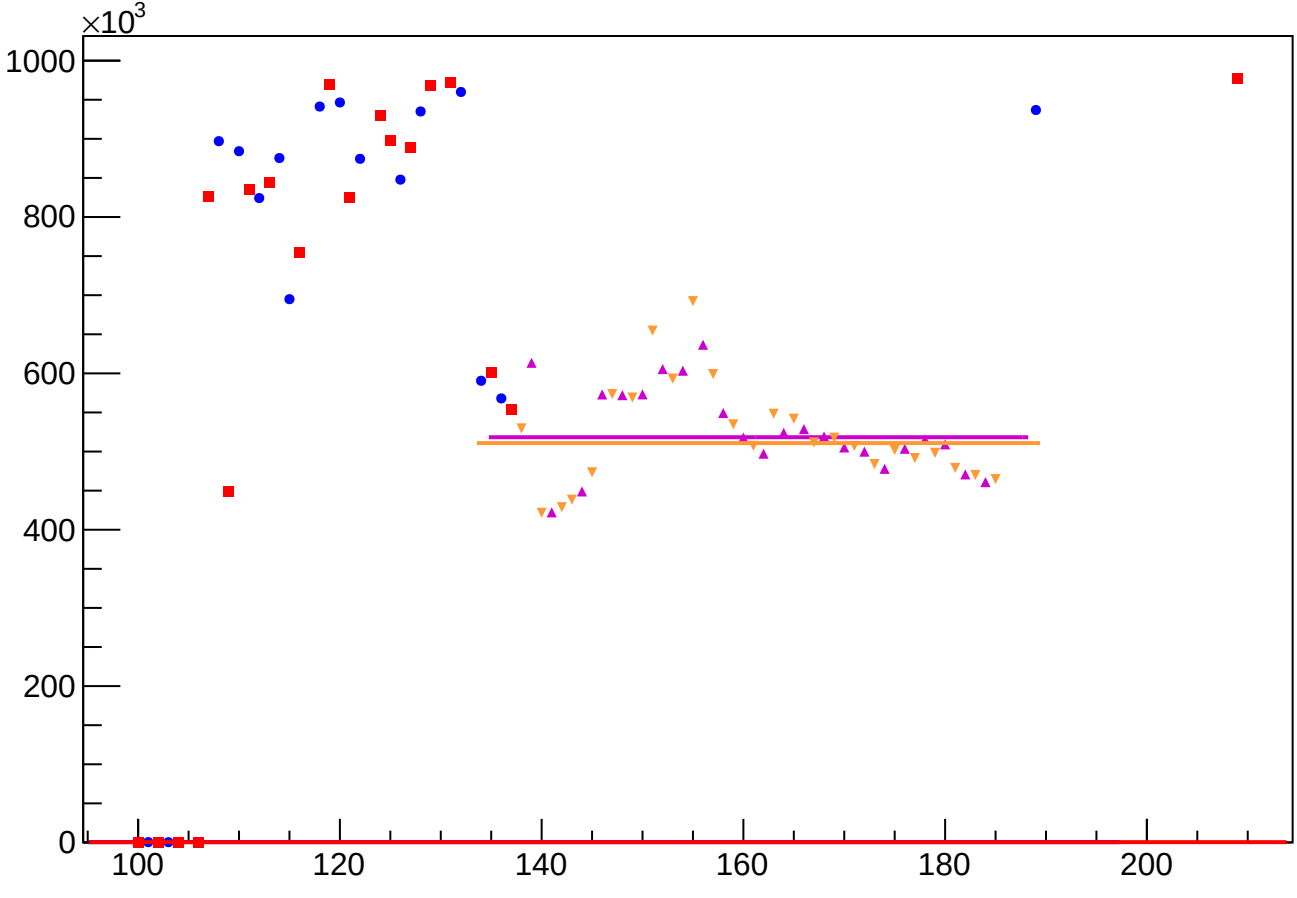
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 136.7/70

In: 0.254+/-0.356 χ^2/NDF:98.7/56

Out: -0.099+/-0.328 χ^2/NDF:148.0/61

All: 0.063+/-0.241 χ^2/NDF: 247.3/118



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

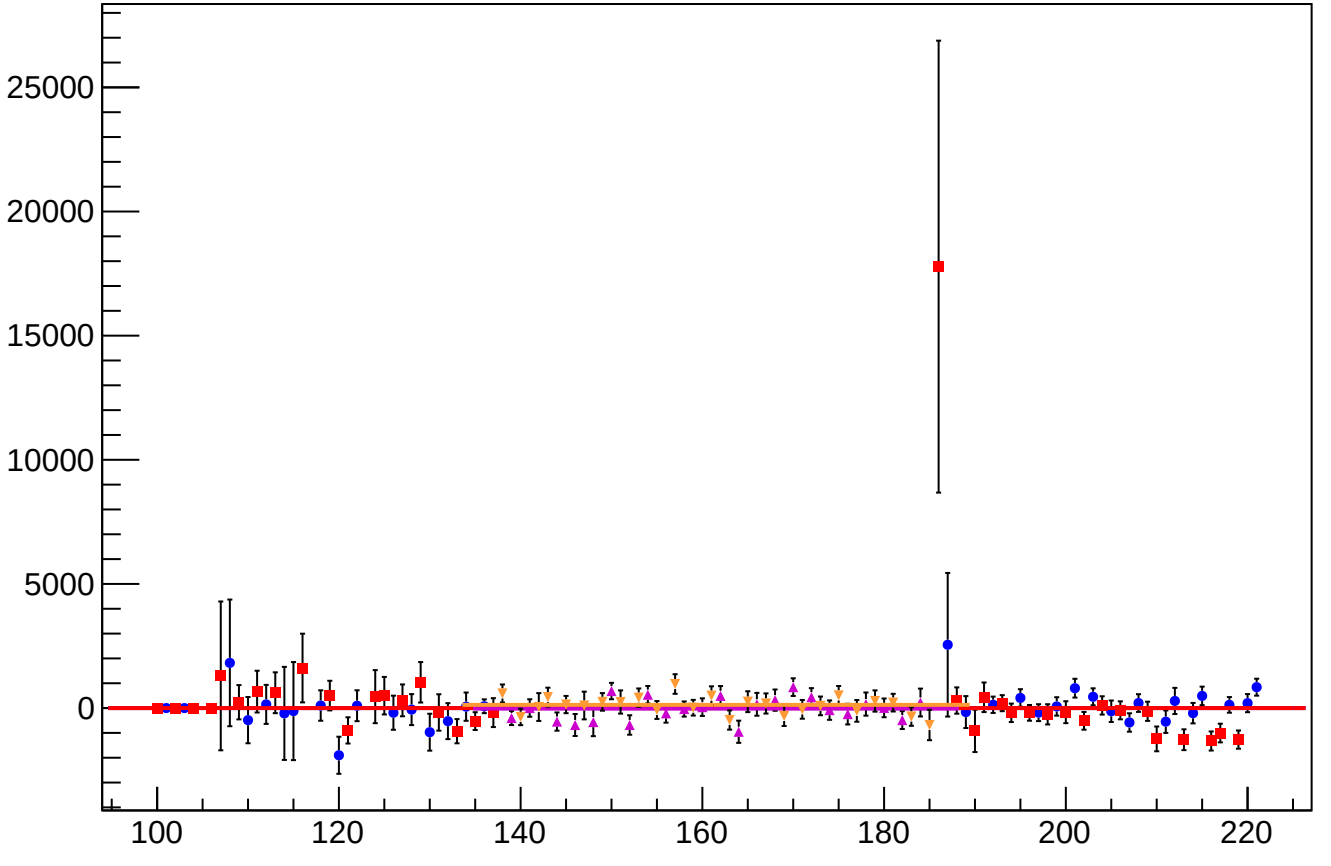
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: -0.603+/-0.324 χ^2/NDF: 71.1/36

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

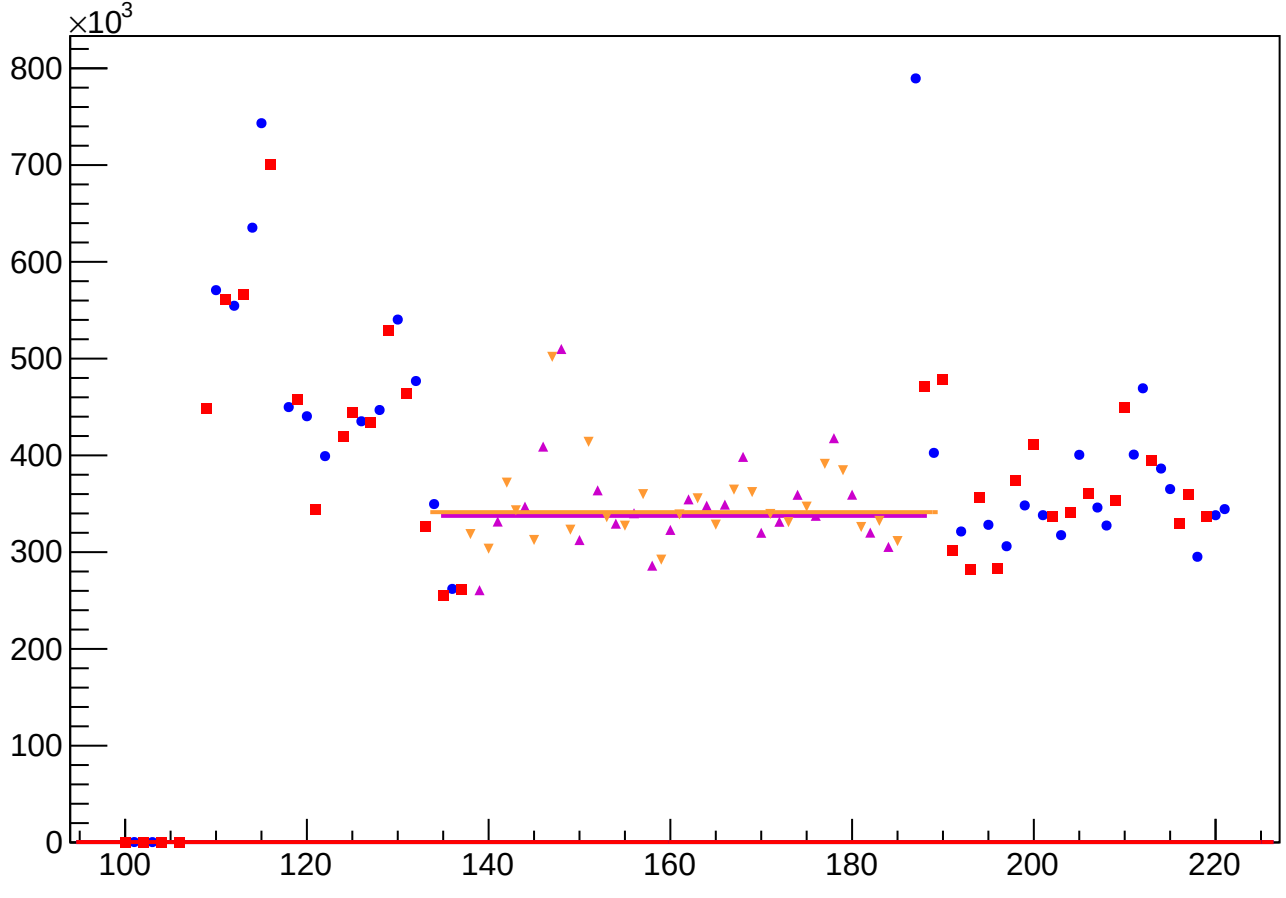
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.331+/-0.237 χ^2/NDF: 105.2/70

In: -0.018+/-0.347 χ^2/NDF:66.3/56

Out: -0.601+/-0.324 χ^2/NDF:94.0/61

All: -0.330+/-0.237 χ^2/NDF: 161.8/118



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: 391.880+/-0.229 χ^2/NDF: 37596374.3/34

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

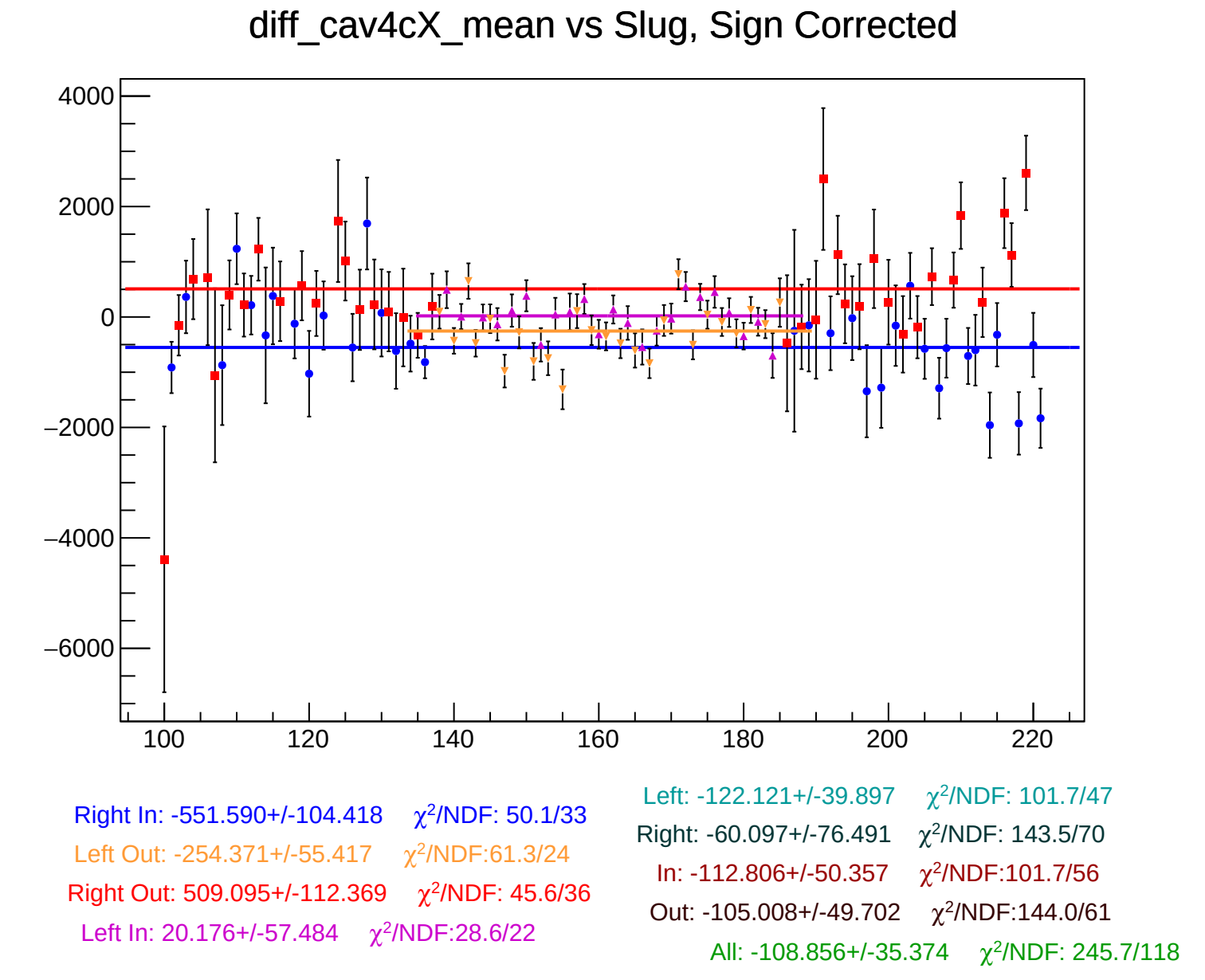
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

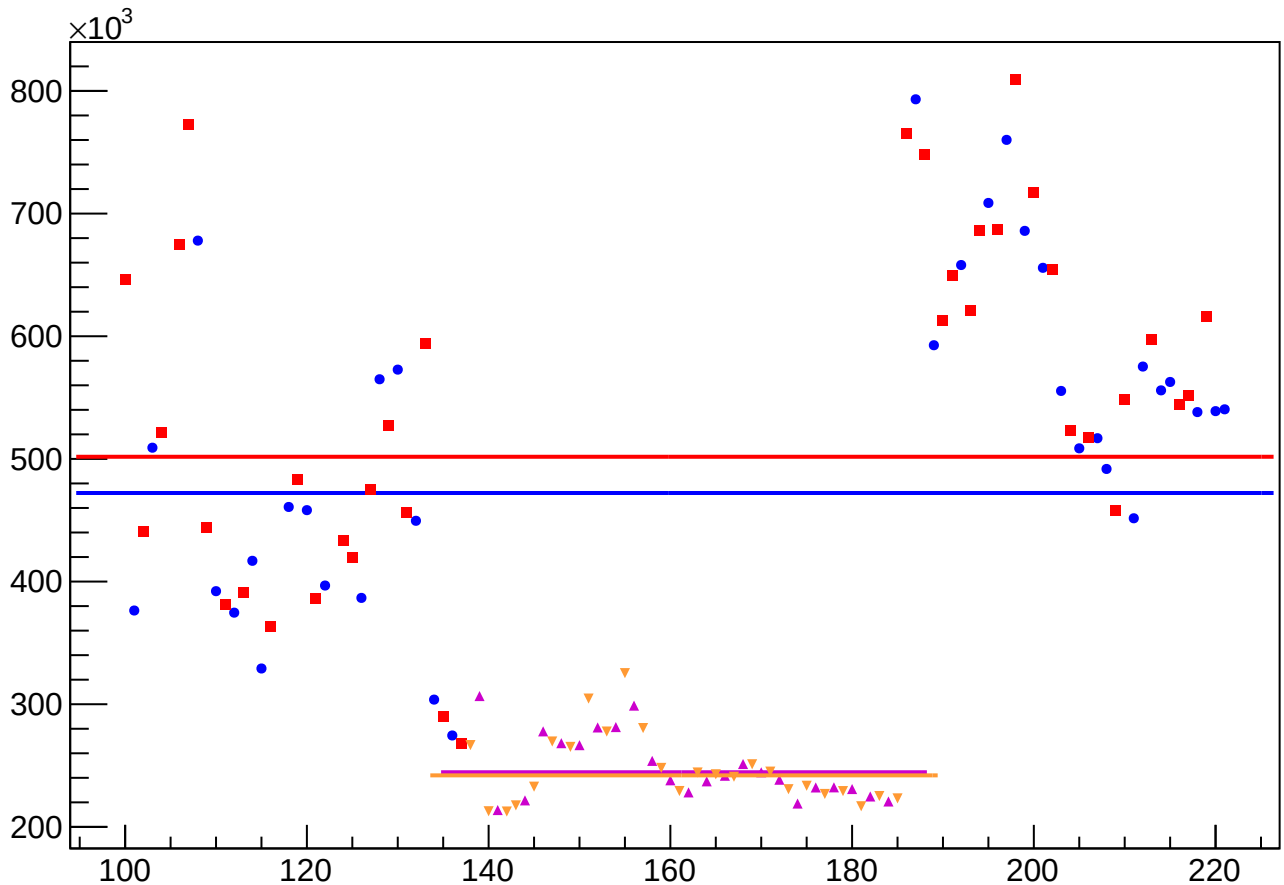
Right: 393.435+/-0.167 χ^2/NDF: 77306853.3/67

In: 401.605+/-0.245 χ^2/NDF:76027952.3/55

Out: 397.718+/-0.229 χ^2/NDF:75967024.5/59

All: 399.527+/-0.167 χ^2/NDF: 151995110.9/1


diff_cav4cX_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -551.590+/-104.418 χ²/NDF: 50.1/33
Left Out: -254.371+/-55.417 χ²/NDF:61.3/24
Right Out: 509.095+/-112.369 χ²/NDF: 45.6/36
Left In: 20.176+/-57.484 χ²/NDF:28.6/22
Left: -122.121+/-39.897 χ²/NDF: 101.7/47
Right: -60.097+/-76.491 χ²/NDF: 143.5/70
In: -112.806+/-50.357 χ²/NDF:101.7/56
Out: -105.008+/-49.702 χ²/NDF:144.0/61
All: -108.856+/-35.374 χ²/NDF: 245.7/118



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: 501748.797+/-79.530 χ^2/NDF: 2671772.8/36

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

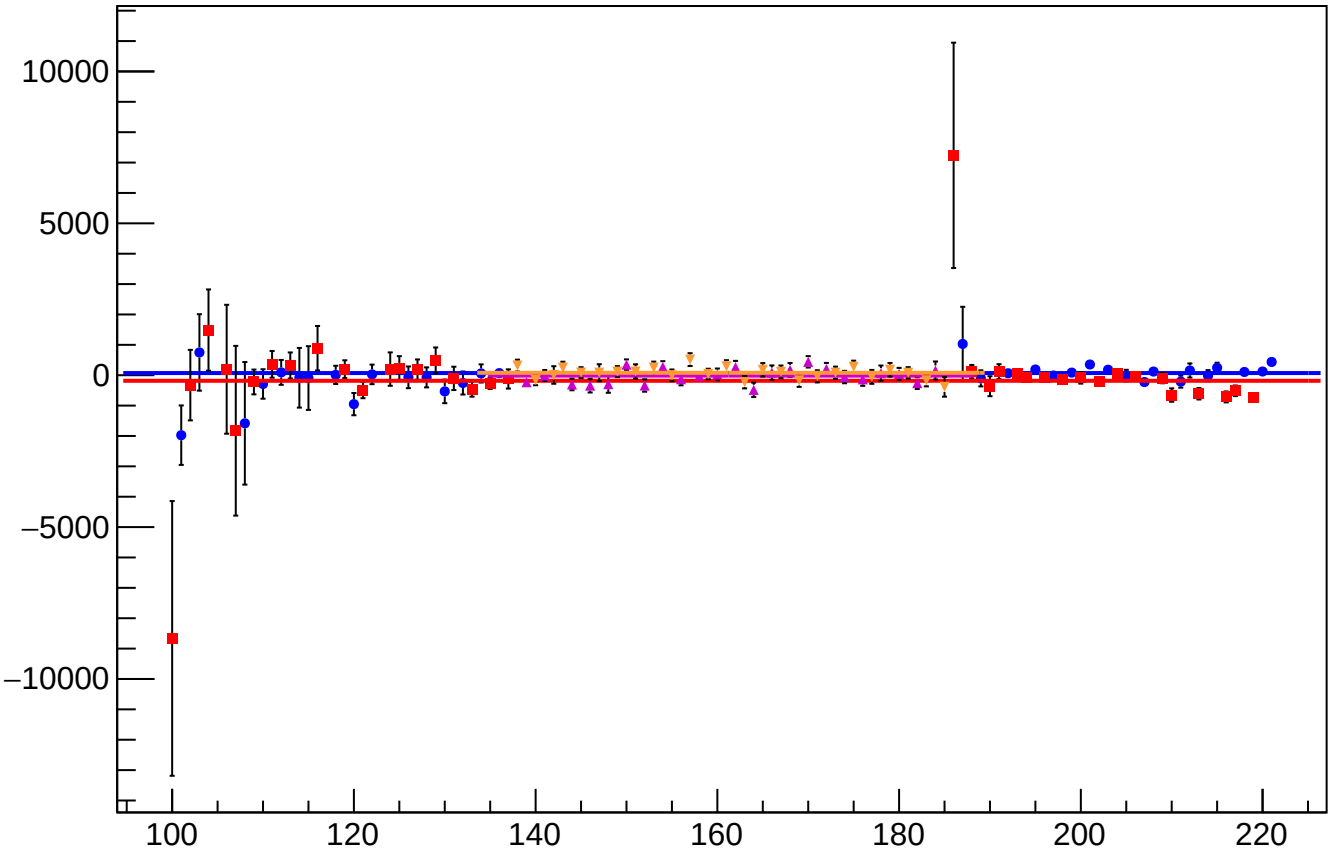
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 485887.323+/-54.115 χ^2/NDF: 5614760.3/70

In: 297482.772+/-35.609 χ^2/NDF:10525496.0/56

Out: 292748.566+/-35.151 χ^2/NDF:11667716.2/61

All: 295085.008+/-25.016 χ^2/NDF: 2220216



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: -183.387+/-37.381 χ^2/NDF: 68.7/36

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

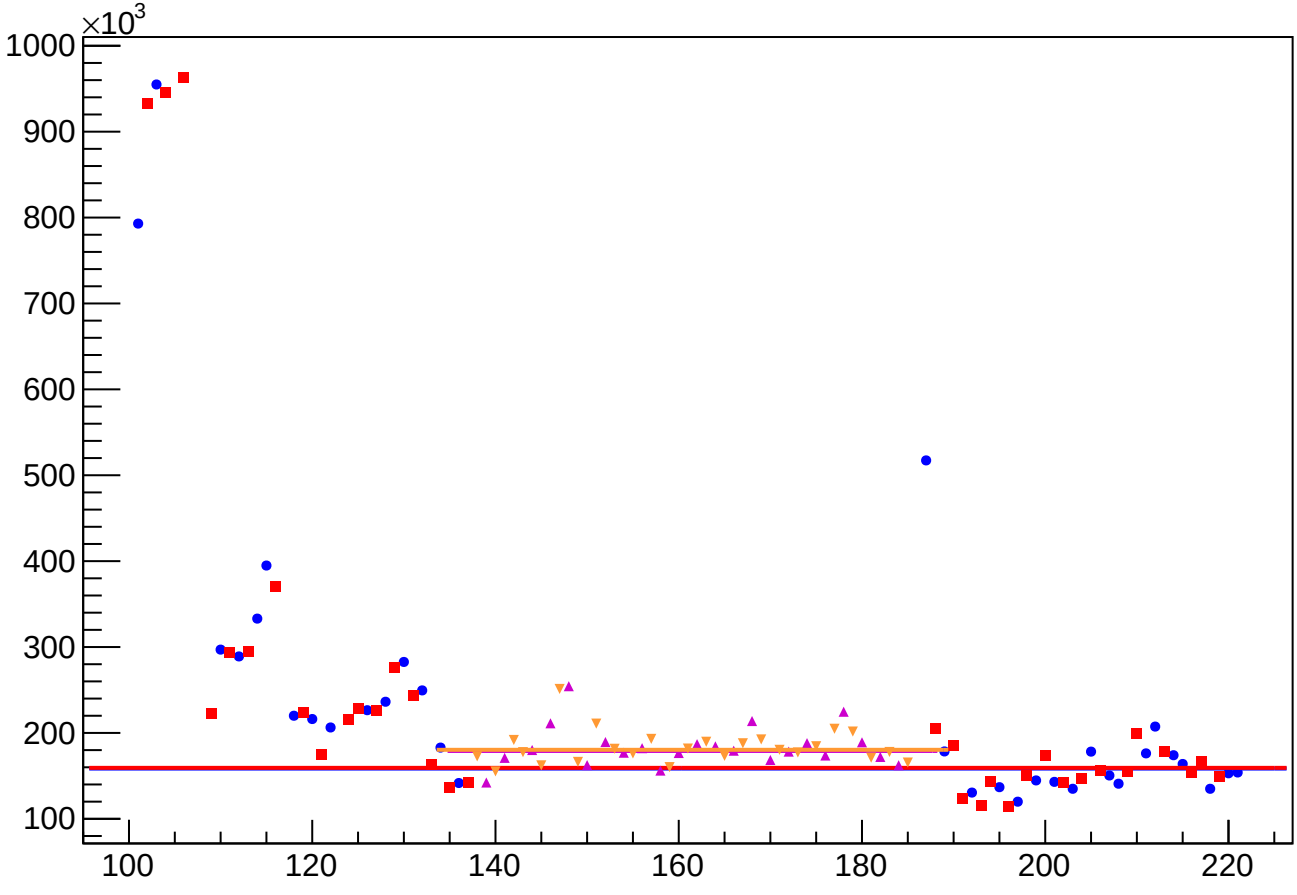
Right: -51.283+/-25.907 χ^2/NDF: 128.7/70

In: 35.179+/-27.369 χ^2/NDF:71.5/56

Out: -65.009+/-27.715 χ^2/NDF:110.7/61

All: -14.287+/-19.474 χ^2/NDF: 188.8/118

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: 159341.429+/-26.446 χ^2/NDF: 3373490.9/33

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

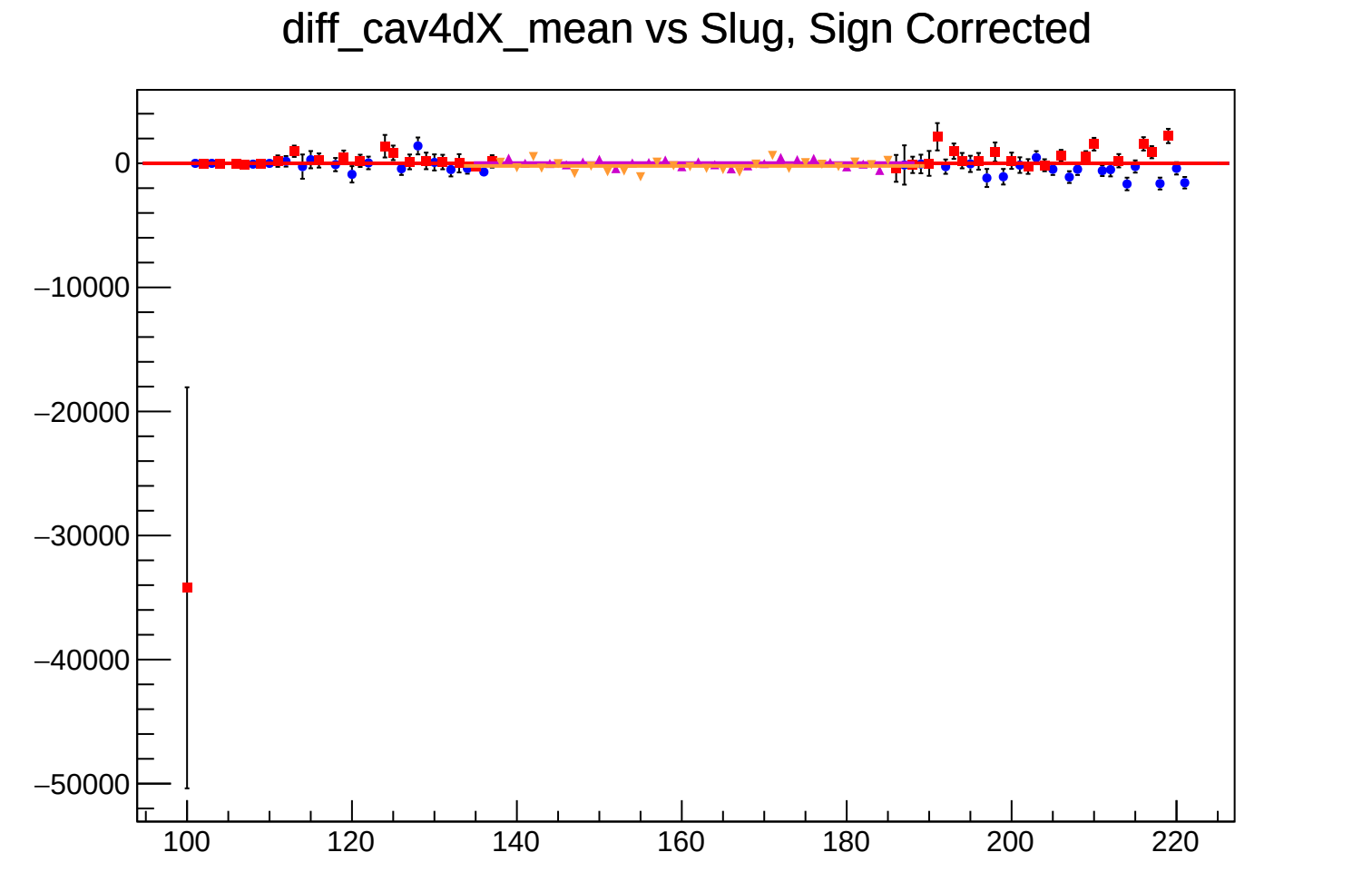
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 158917.732+/-18.326 χ^2/NDF: 6808483.1/66

In: 167137.710+/-19.356 χ^2/NDF:4209101.0/55

Out: 168803.744+/-19.603 χ^2/NDF:4004231.4/58

All: 167960.189+/-13.773 χ^2/NDF: 8216989.



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: 64.4/36

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

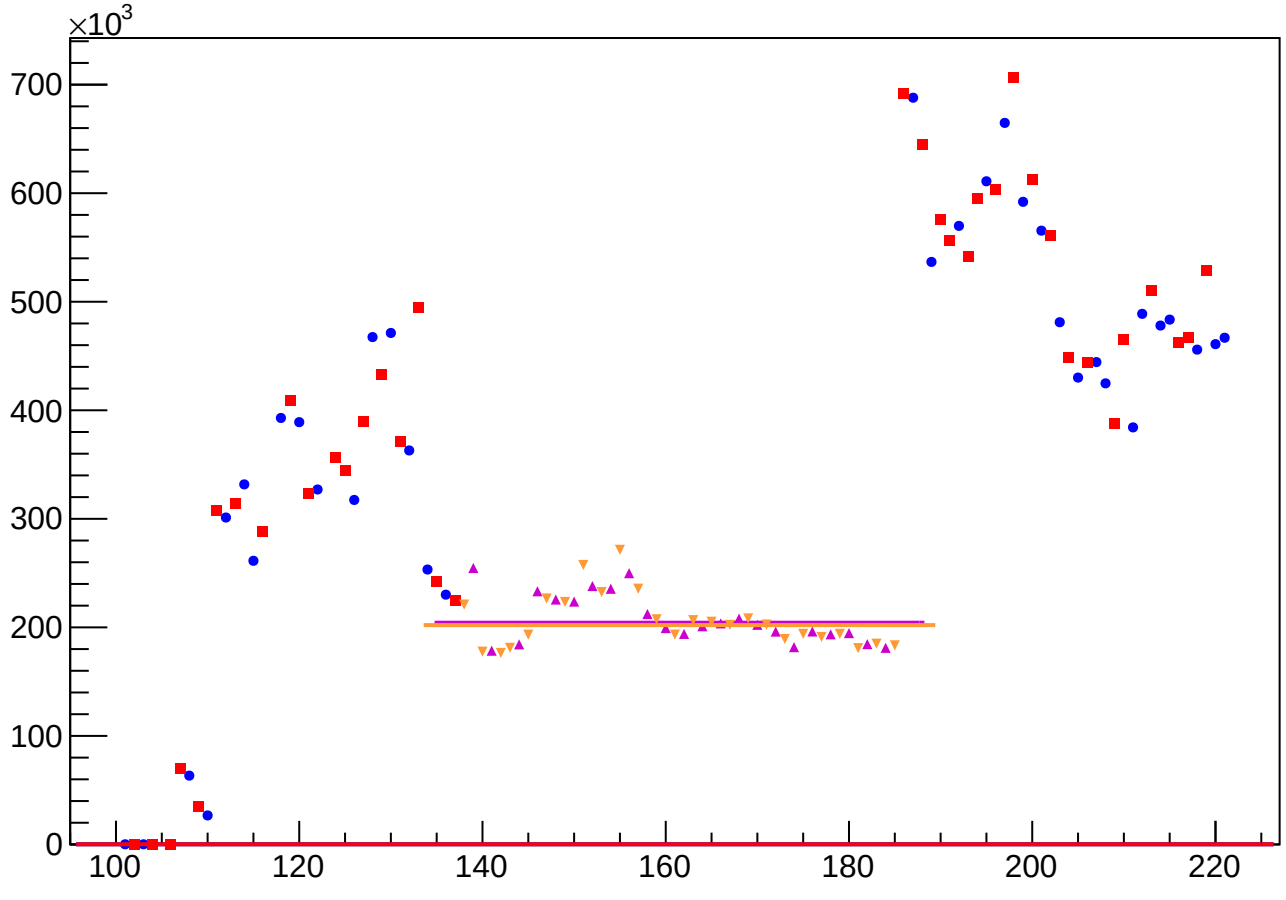
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 136.9/70

In: -0.036+/-0.172 χ^2/NDF:98.5/56

Out: 0.353+/-0.160 χ^2/NDF:146.3/61

All: 0.173+/-0.117 χ^2/NDF: 247.5/118



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: 150.062+/-0.113 χ^2/NDF: 39228221.9/35

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

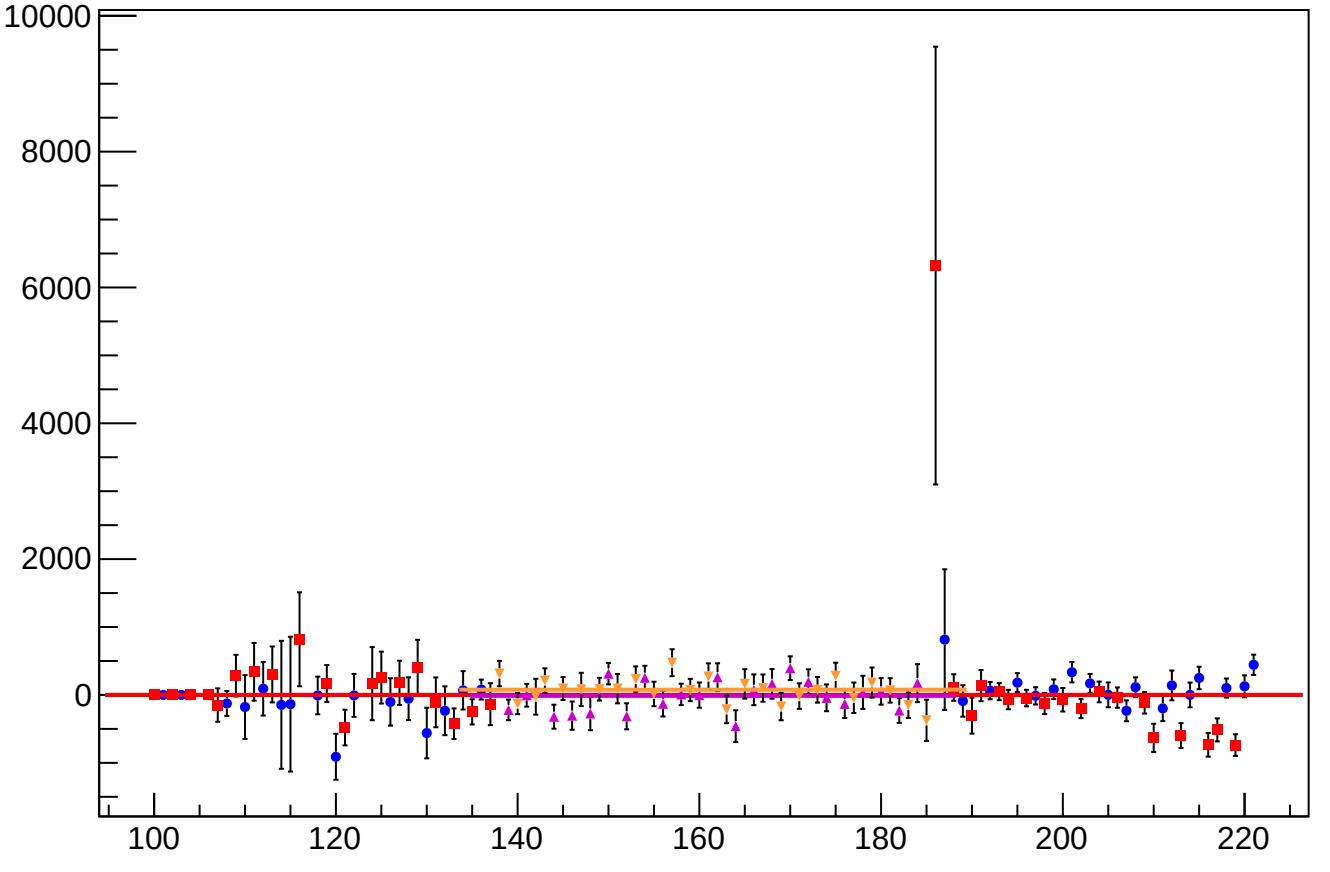
Right: 150.024+/-0.083 χ^2/NDF: 80041911.0/69

In: 152.605+/-0.122 χ^2/NDF:77316194.6/56

Out: 152.478+/-0.113 χ^2/NDF:77723801.7/60

All: 152.537+/-0.083 χ^2/NDF: 155039996.8/1

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: -0.130+/-0.166 χ^2/NDF: 93.5/36

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

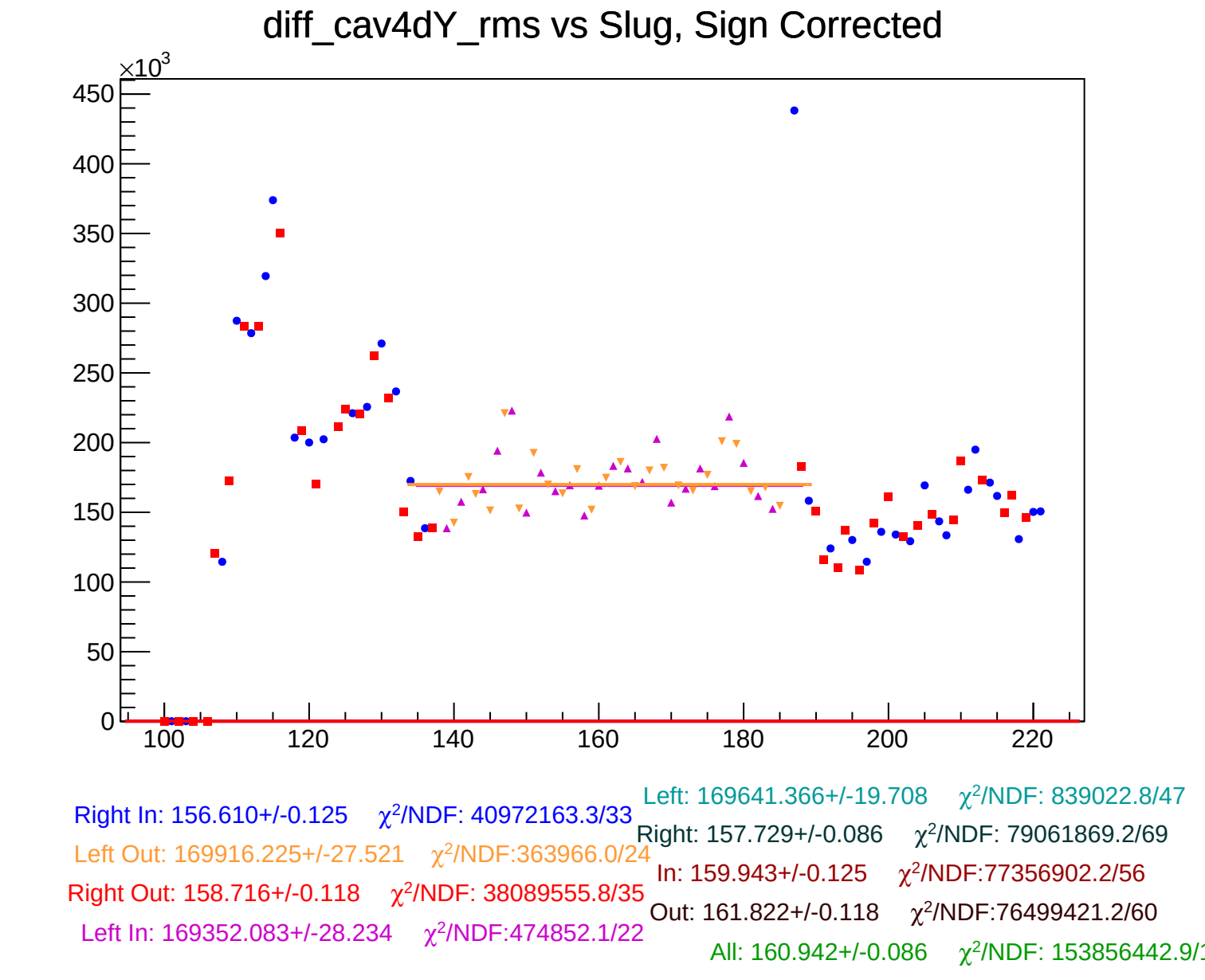
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.100+/-0.121 χ^2/NDF: 131.0/70

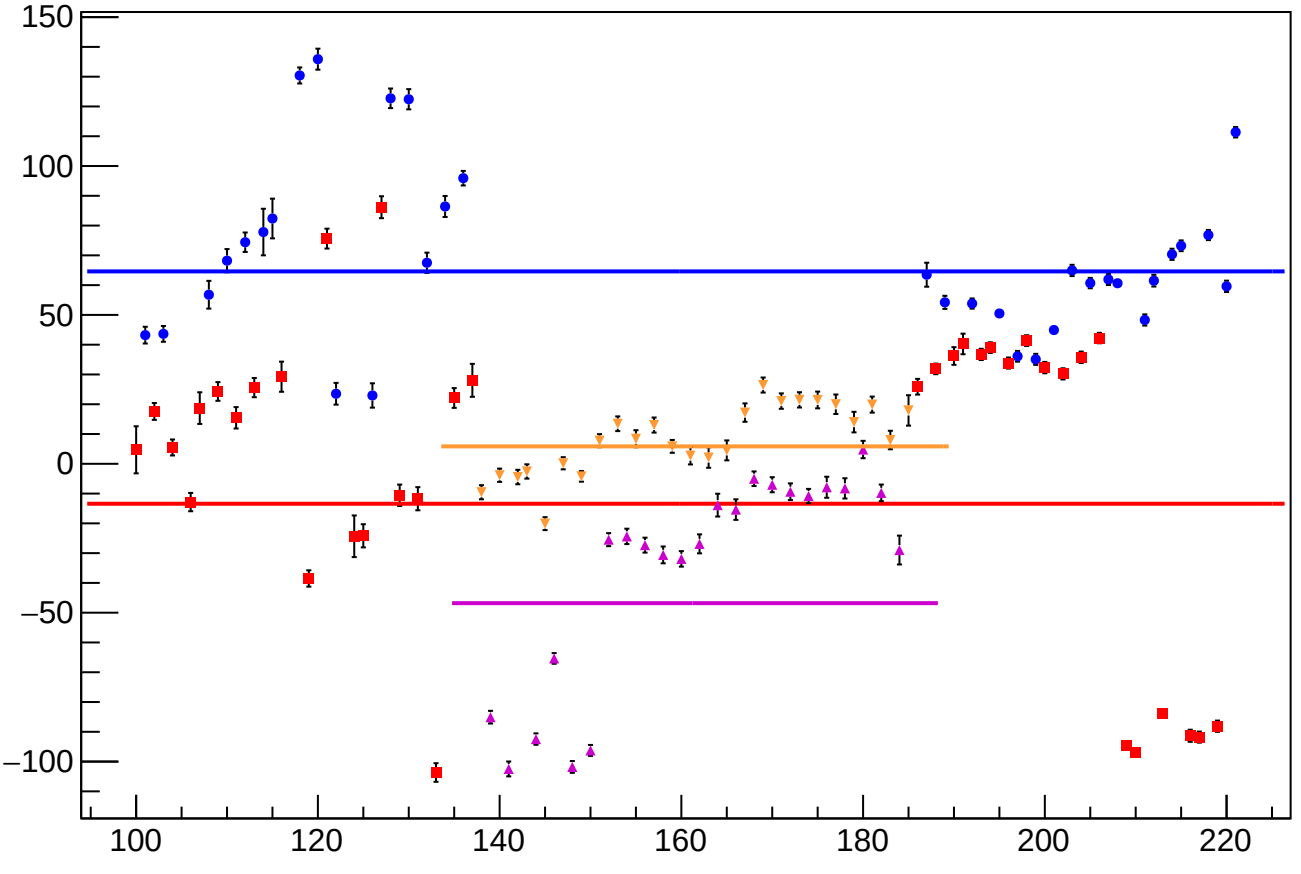
In: -0.066+/-0.177 χ^2/NDF:70.2/56

Out: -0.128+/-0.166 χ^2/NDF:116.6/61

All: -0.099+/-0.121 χ^2/NDF: 186.9/118


diff_cav4dY_rms vs Slug, Sign Corrected
×10^3
450
400
350
300
250
200
150
100
50
0
100
120
140
160
180
200
220
Right In: 156.610+/-0.125 χ²/NDF: 40972163.3/33
Left Out: 169916.225+/-27.521 χ²/NDF:363966.0/24
Right Out: 158.716+/-0.118 χ²/NDF: 38089555.8/35
Left In: 169352.083+/-28.234 χ²/NDF:474852.1/22
Left: 169641.366+/-19.708 χ²/NDF: 839022.8/47
Right: 157.729+/-0.086 χ²/NDF: 79061869.2/69
In: 159.943+/-0.125 χ²/NDF:77356902.2/56
Out: 161.822+/-0.118 χ²/NDF:76499421.2/60
All: 160.942+/-0.086 χ²/NDF: 153856442.9/1

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: -13.409+/-0.386 χ^2/NDF: 24145.7/36

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

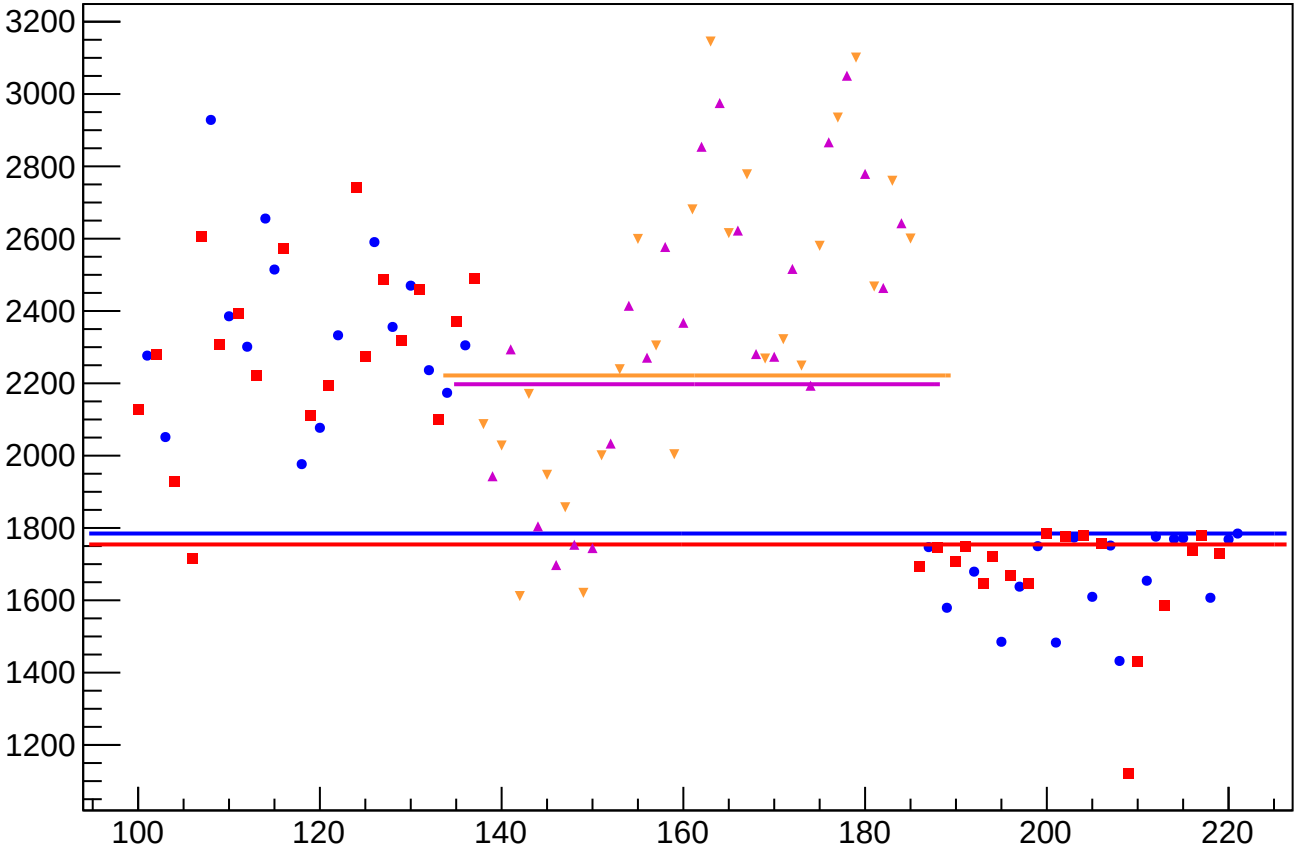
Right: 25.532+/-0.273 χ^2/NDF: 48375.2/70

In: 25.371+/-0.311 χ^2/NDF:38247.7/56

Out: -6.462+/-0.309 χ^2/NDF:25578.7/61

All: 9.322+/-0.219 χ^2/NDF: 69099.6/118

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: 1754.433+/-0.273 χ^2/NDF: 1478198.0/36

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

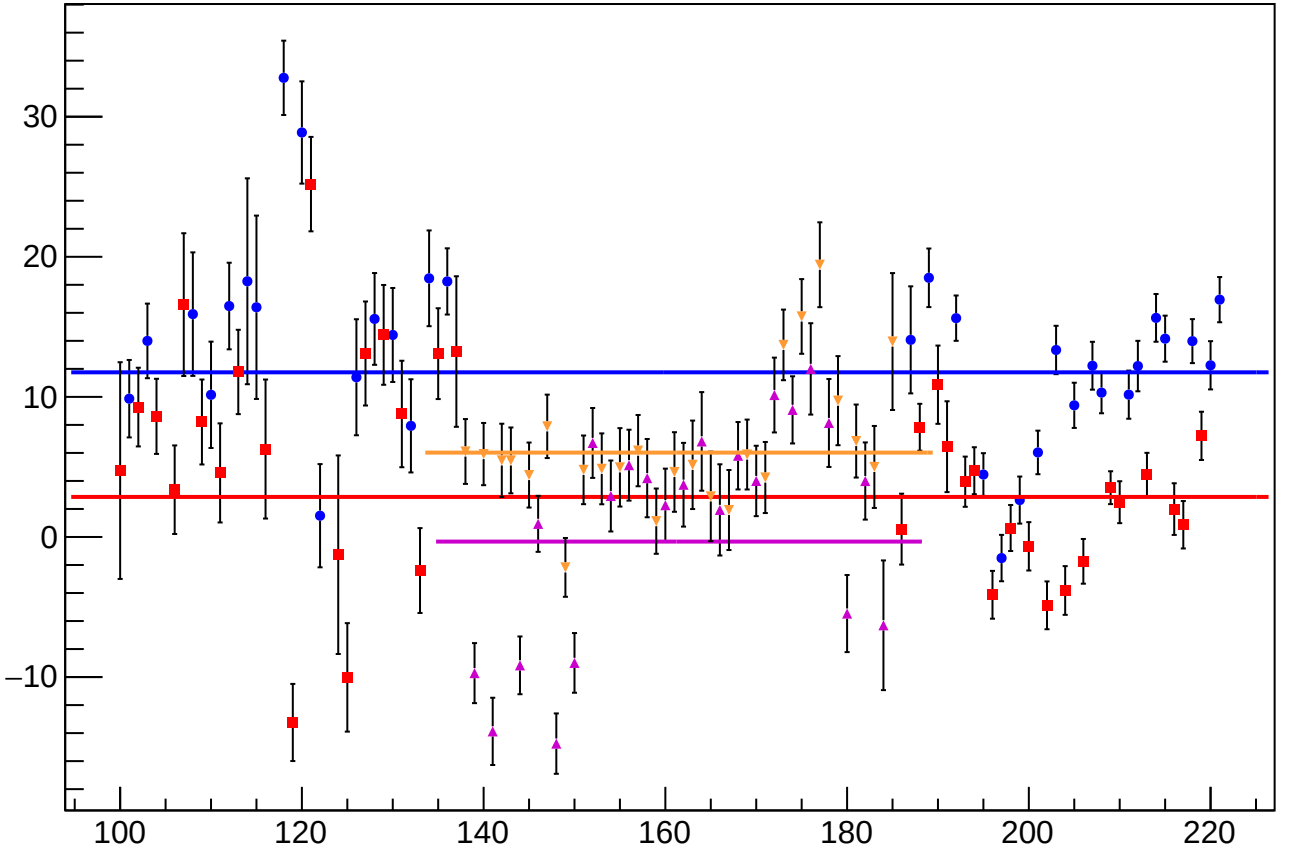
Right: 1769.525+/-0.193 χ^2/NDF: 2594551.5/70

In: 1930.068+/-0.220 χ^2/NDF:3017450.2/56

Out: 1922.998+/-0.218 χ^2/NDF:3719317.5/61

All: 1926.504+/-0.155 χ^2/NDF: 6737287.9/11

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: 2.859+/-0.362 χ^2/NDF: 253.0/36

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

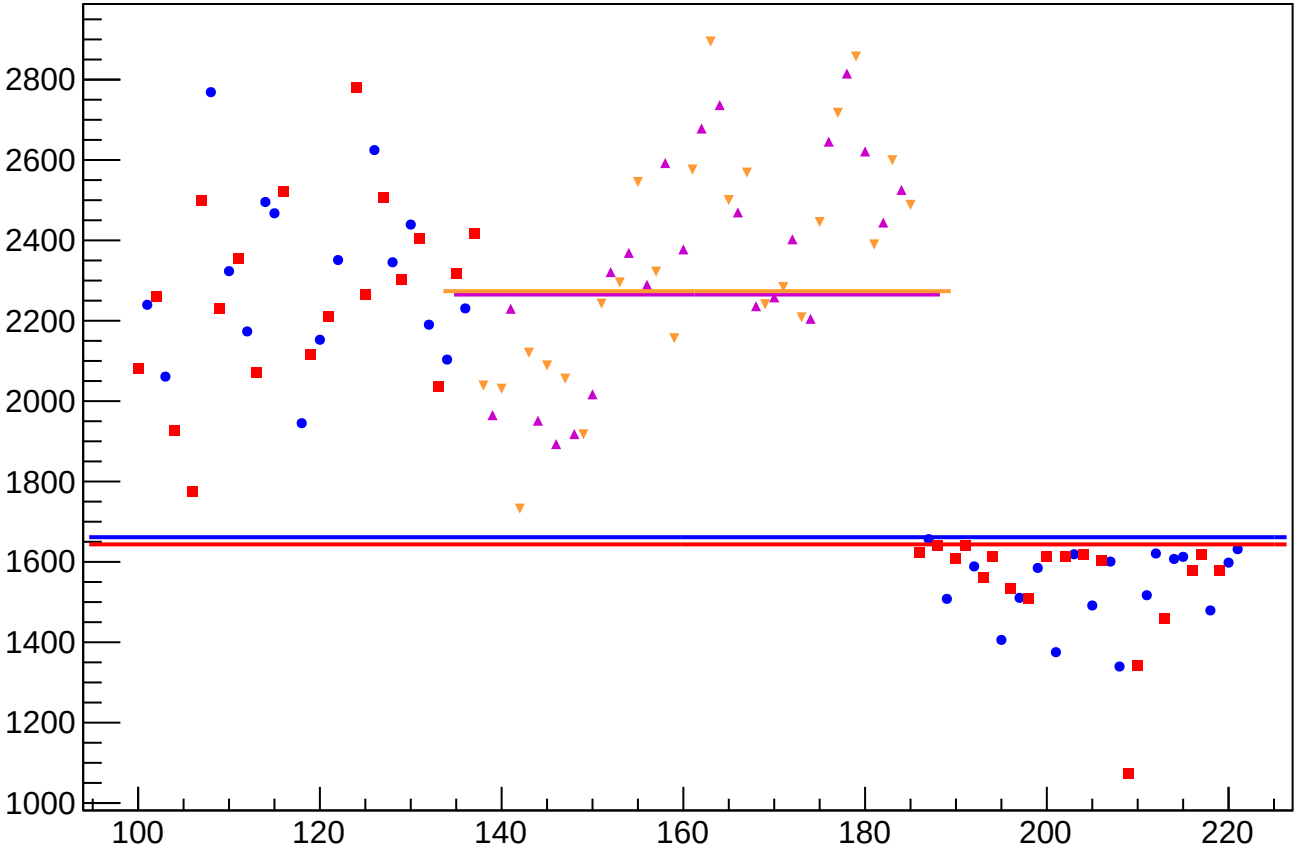
Right: 7.325+/-0.256 χ^2/NDF: 839.9/70

In: 7.972+/-0.299 χ^2/NDF:860.1/56

Out: 3.891+/-0.297 χ^2/NDF:349.7/61

All: 5.920+/-0.211 χ^2/NDF: 1303.4/118

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: 1643.534+/-0.256 χ^2/NDF: 1698781.1/36

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

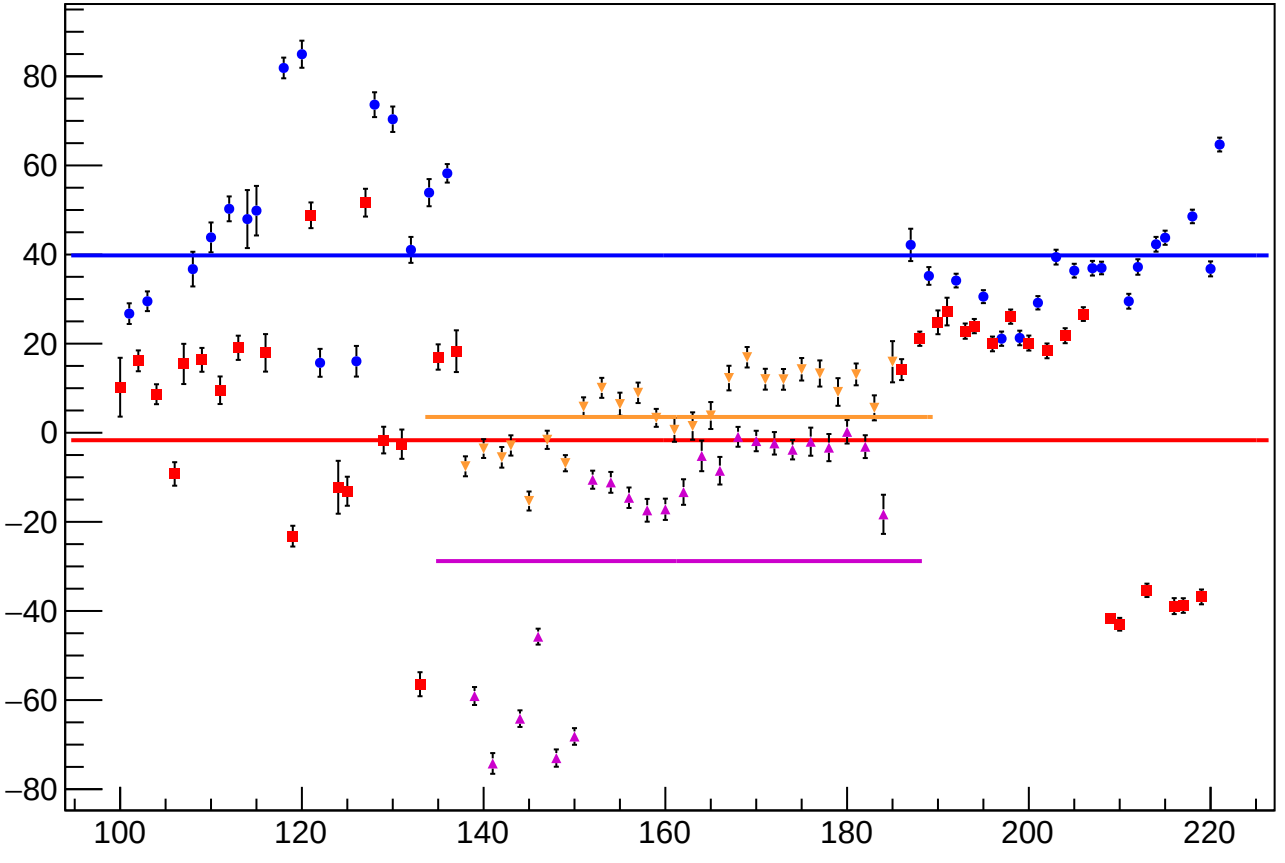
Right: 1652.536+/-0.181 χ^2/NDF: 3093943.4/70

In: 1850.458+/-0.211 χ^2/NDF:3641336.2/56

Out: 1849.035+/-0.210 χ^2/NDF:4208039.6/61

All: 1849.742+/-0.149 χ^2/NDF: 7849398.5/11

diff_bpm0i01aX_mean vs Slug, Sign Corrected



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: -1.675+/-0.340 χ^2/NDF: 7635.8/36

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

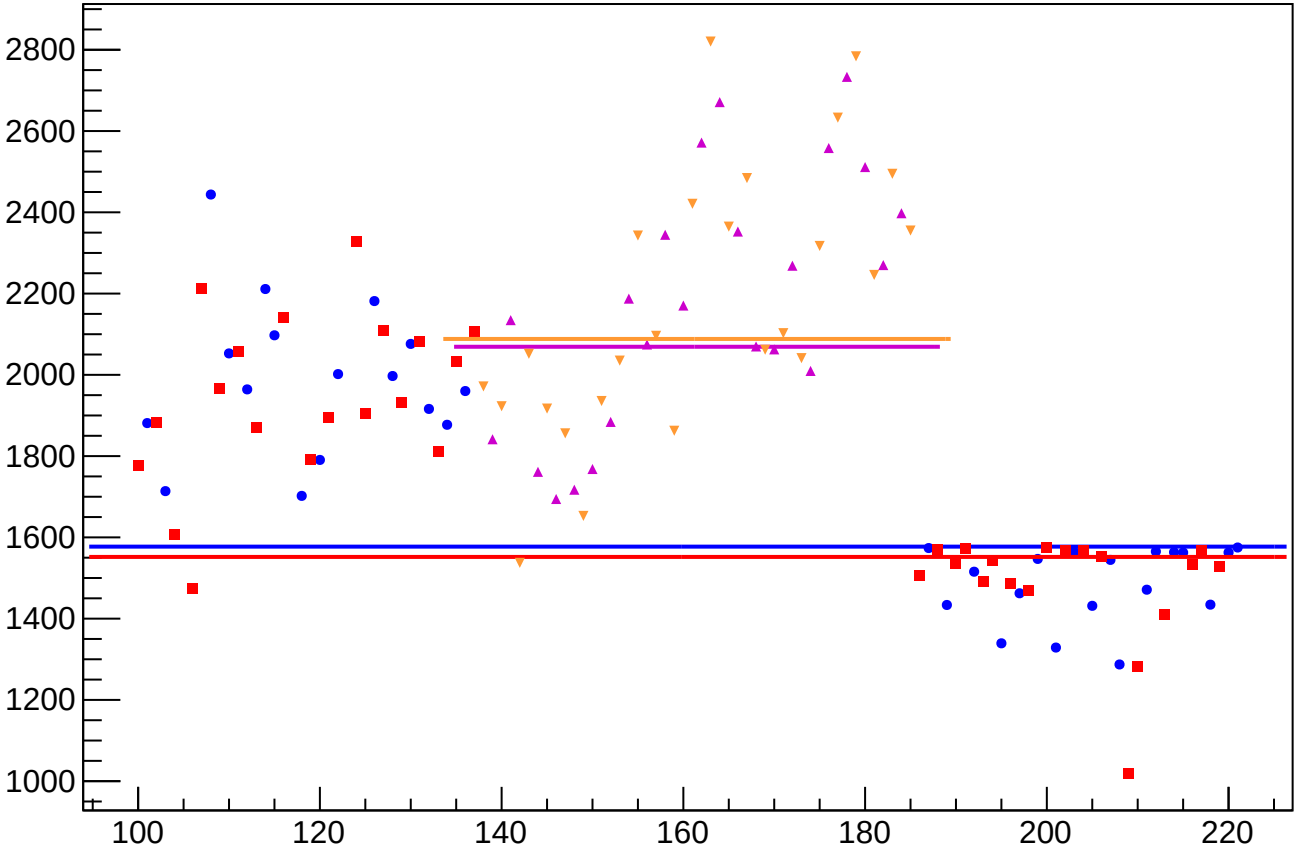
Right: 19.042+/-0.241 χ^2/NDF: 16882.5/70

In: 17.517+/-0.280 χ^2/NDF:18270.3/56

Out: 0.068+/-0.278 χ^2/NDF:8034.3/61

All: 8.723+/-0.197 χ^2/NDF: 28265.0/118

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: 1551.893+/-0.240 χ^2/NDF: 1176827.7/36

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

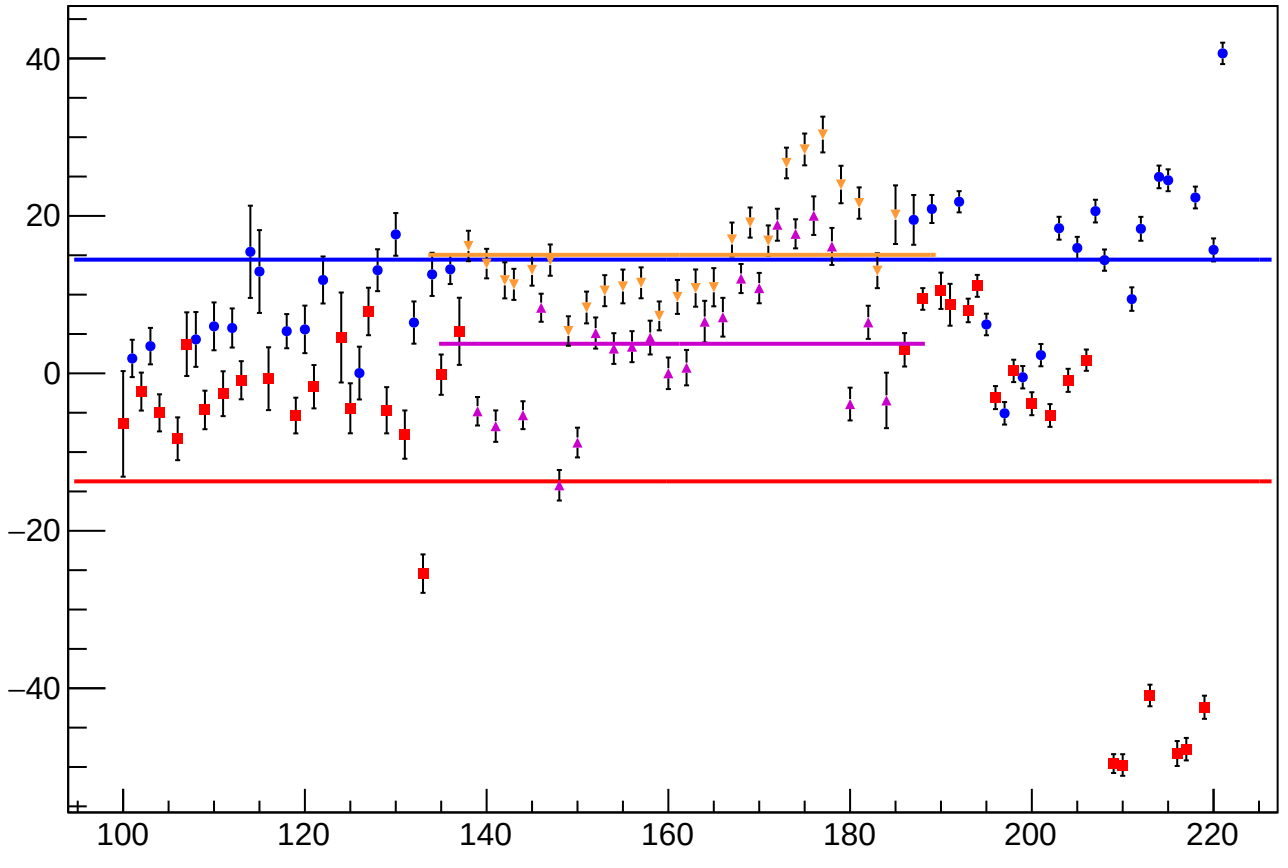
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1564.546+/-0.170 χ^2/NDF: 2034428.8/70

In: 1737.028+/-0.198 χ^2/NDF:2919486.6/56

Out: 1731.062+/-0.196 χ^2/NDF:3626178.3/61

All: 1734.021+/-0.139 χ^2/NDF: 6546123.3/11



Right In: 14.446+/-0.308 χ^2/NDF: 1142.5/33

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -13.718+/-0.311 χ^2/NDF: 5213.1/36

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

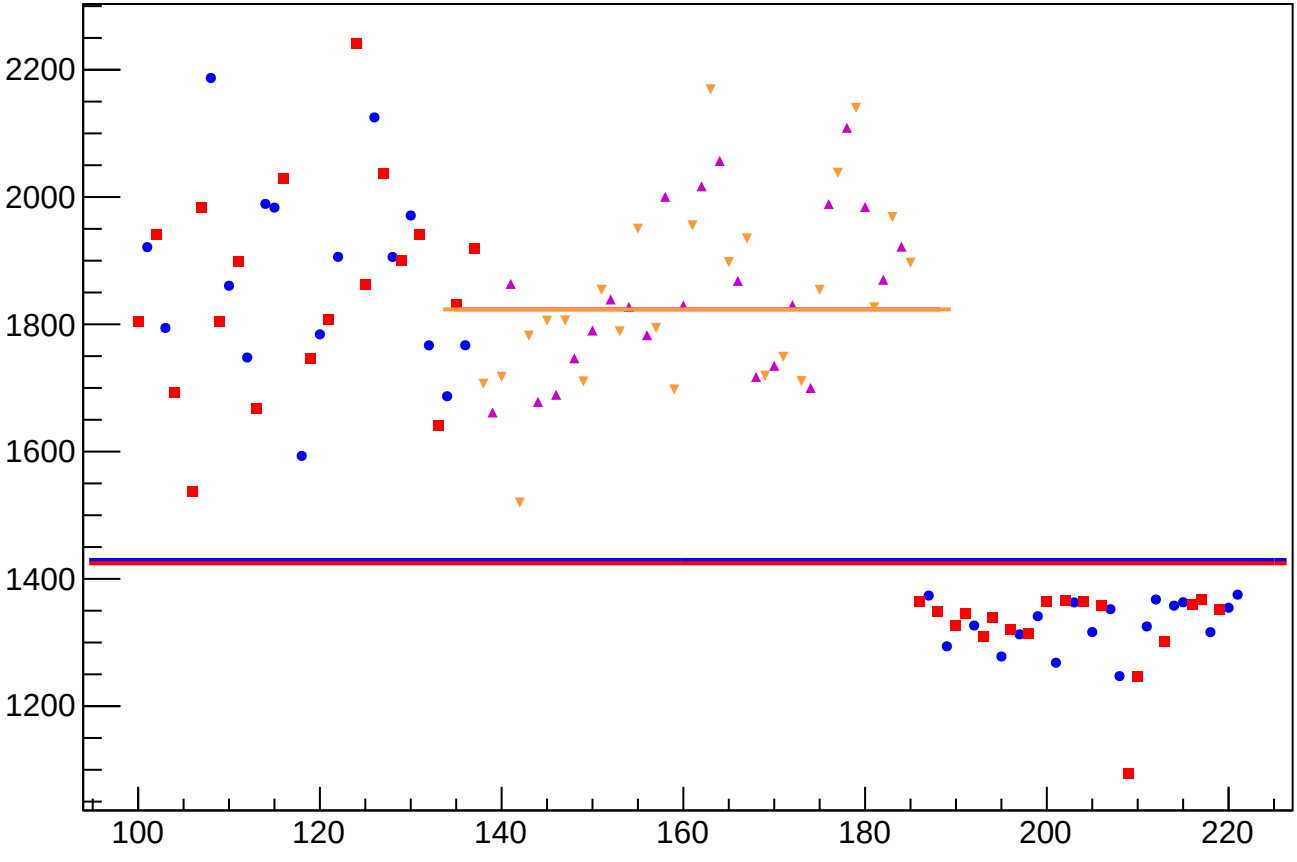
Right: 0.498+/-0.219 χ^2/NDF: 10495.8/70

In: 10.797+/-0.250 χ^2/NDF:2012.6/56

Out: -3.393+/-0.249 χ^2/NDF:8531.5/61

All: 3.675+/-0.176 χ^2/NDF: 12161.4/118

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: 1424.610+/-0.220 χ^2/NDF: 1061489.4/36

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

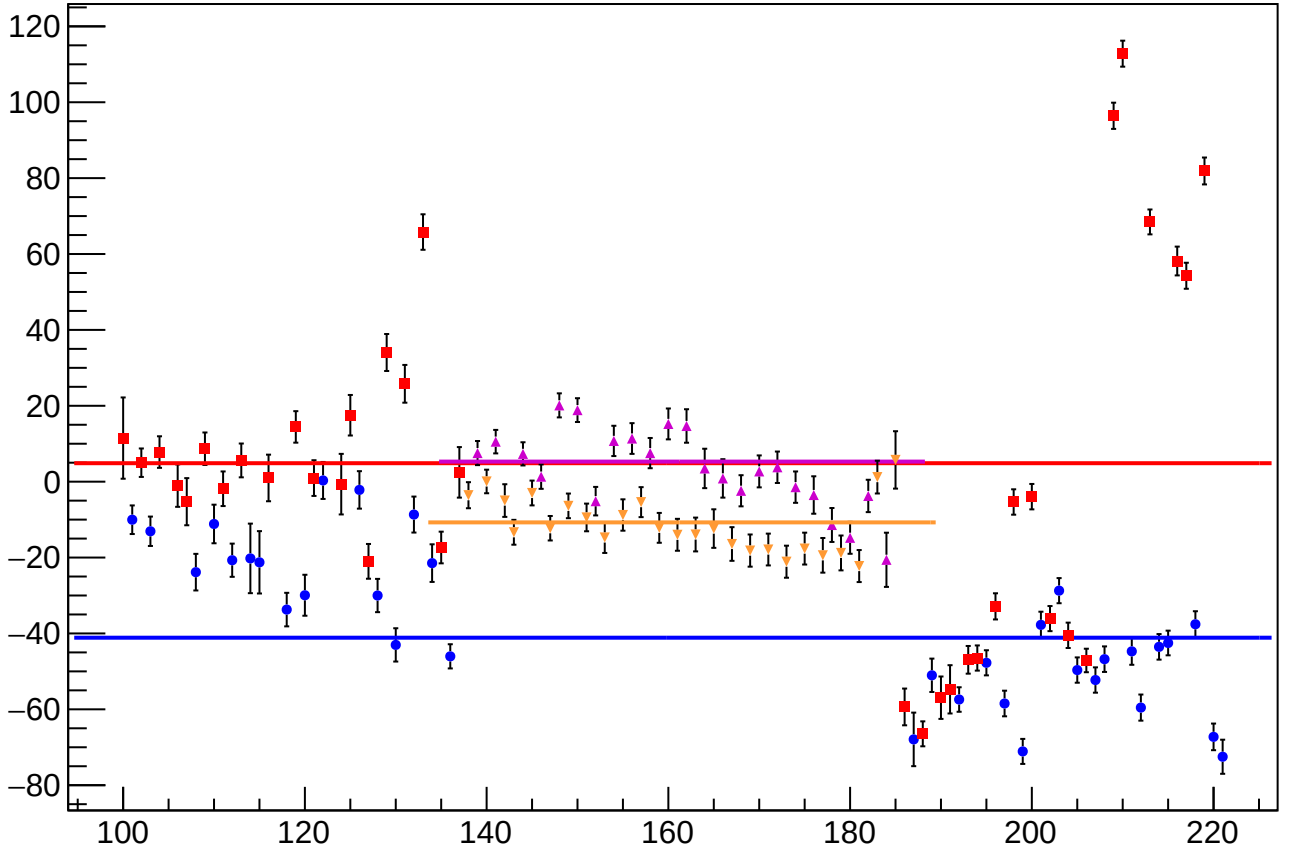
Right: 1427.186+/-0.155 χ^2/NDF: 2038626.2/70

In: 1564.199+/-0.177 χ^2/NDF:2257305.6/56

Out: 1567.734+/-0.176 χ^2/NDF:2453240.1/61

All: 1565.973+/-0.125 χ^2/NDF: 4710746.5/11

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: 4.868+/-0.676 χ^2/NDF: 5304.0/36

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

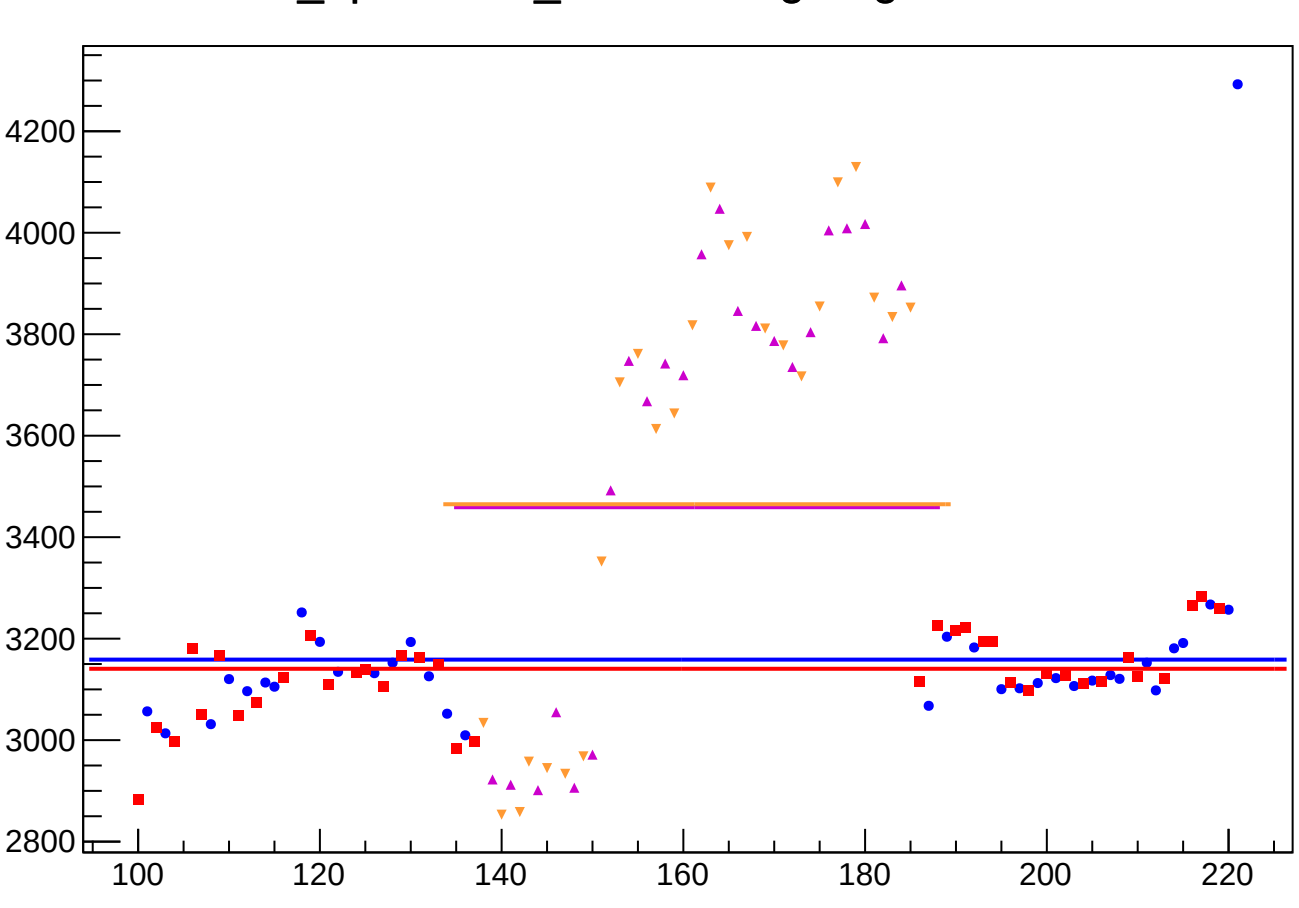
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -18.183+/-0.478 χ^2/NDF: 8365.1/70

In: -22.232+/-0.520 χ^2/NDF:2803.2/56

Out: -1.693+/-0.515 χ^2/NDF:5601.6/61

All: -11.869+/-0.366 χ^2/NDF: 9193.4/118



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: 3140.627+/-0.478 χ^2/NDF: 23726.9/36

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

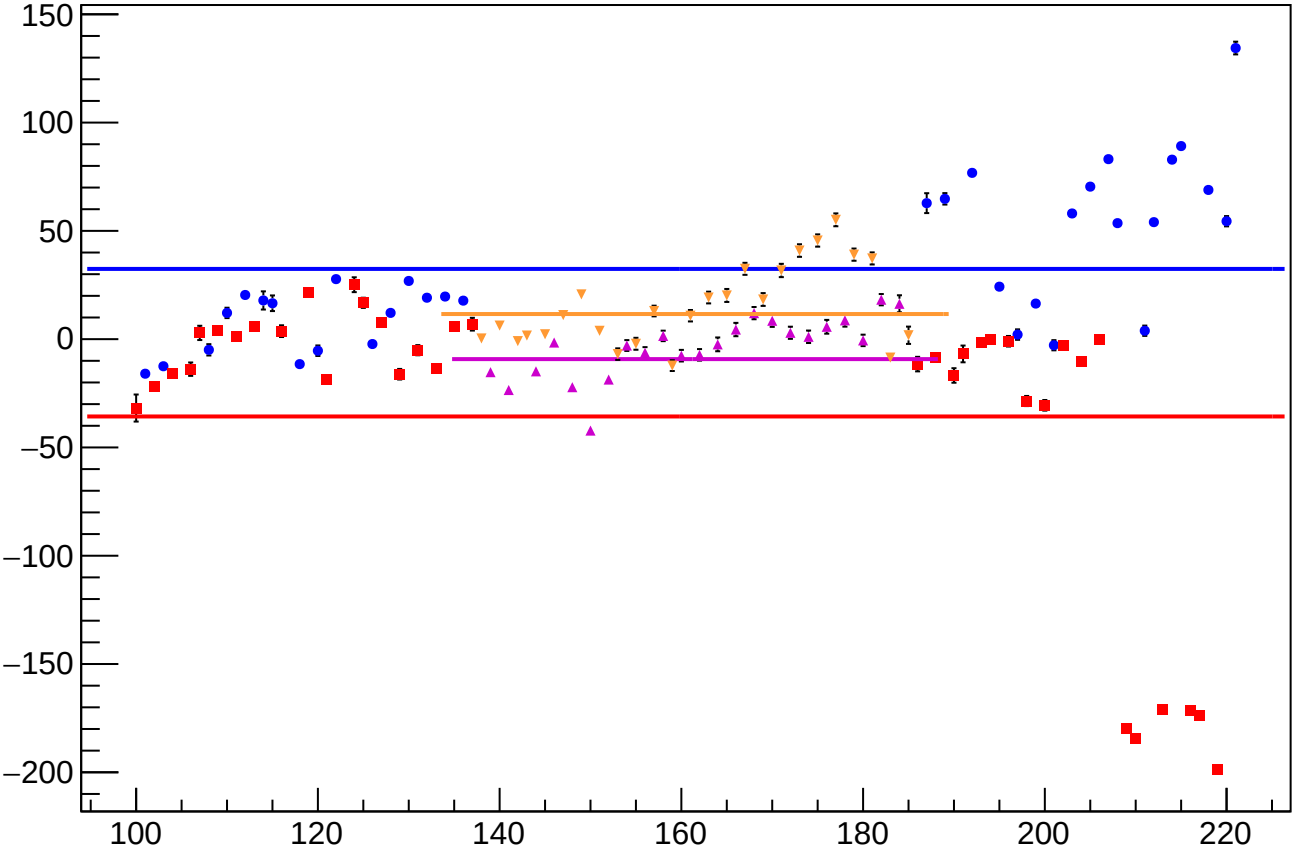
Right: 3149.686+/-0.338 χ^2/NDF: 172877.9/70

In: 3280.947+/-0.367 χ^2/NDF:893087.2/56

Out: 3277.007+/-0.364 χ^2/NDF:861141.1/61

All: 3278.959+/-0.259 χ^2/NDF: 1754286.4/11

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: -35.697+/-0.382 χ^2/NDF: 32606.1/36

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

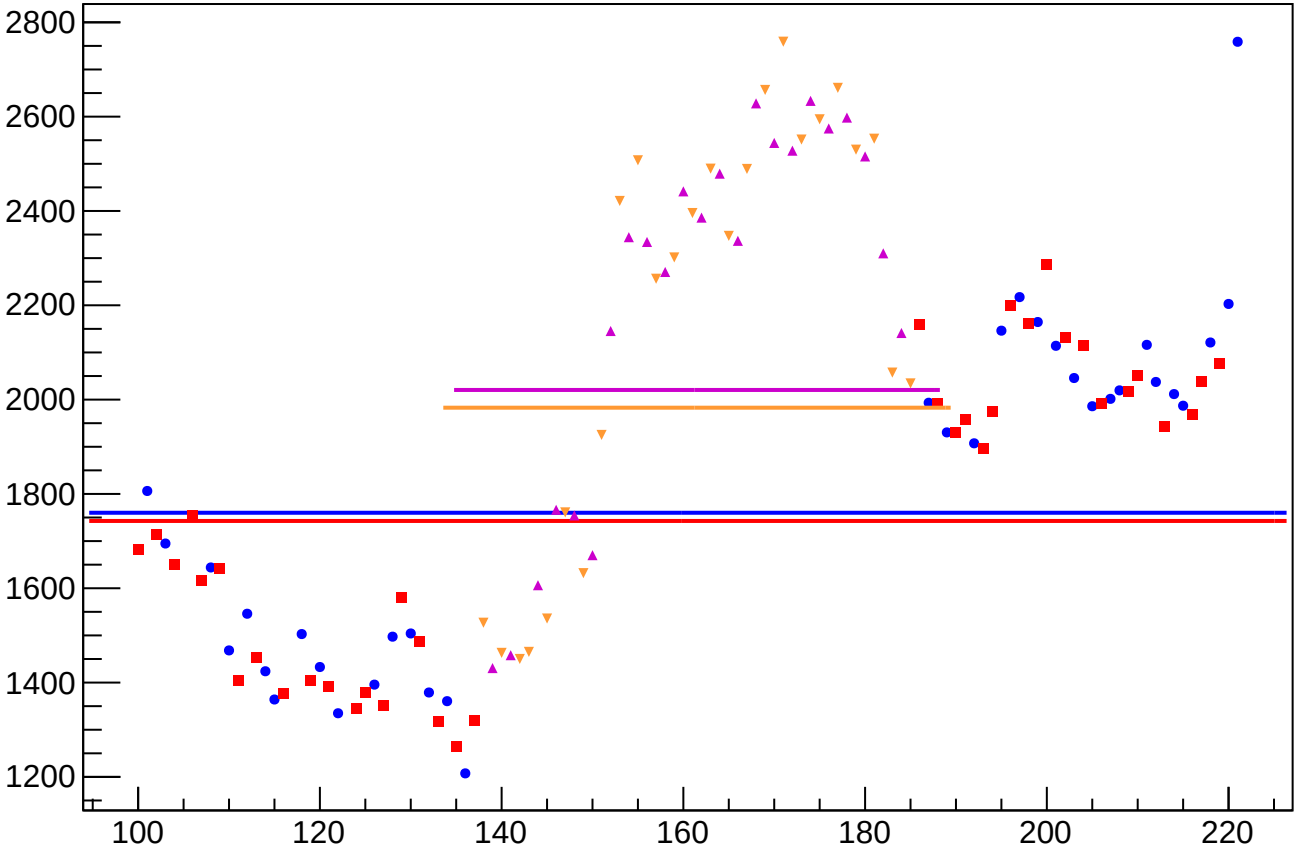
Right: -1.783+/-0.271 χ^2/NDF: 56330.7/70

In: 16.350+/-0.301 χ^2/NDF:13384.6/56

Out: -16.558+/-0.295 χ^2/NDF:40004.1/61

All: -0.428+/-0.210 χ^2/NDF: 59496.6/118

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: 1742.706+/-0.270 χ^2/NDF: 1401160.8/36

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

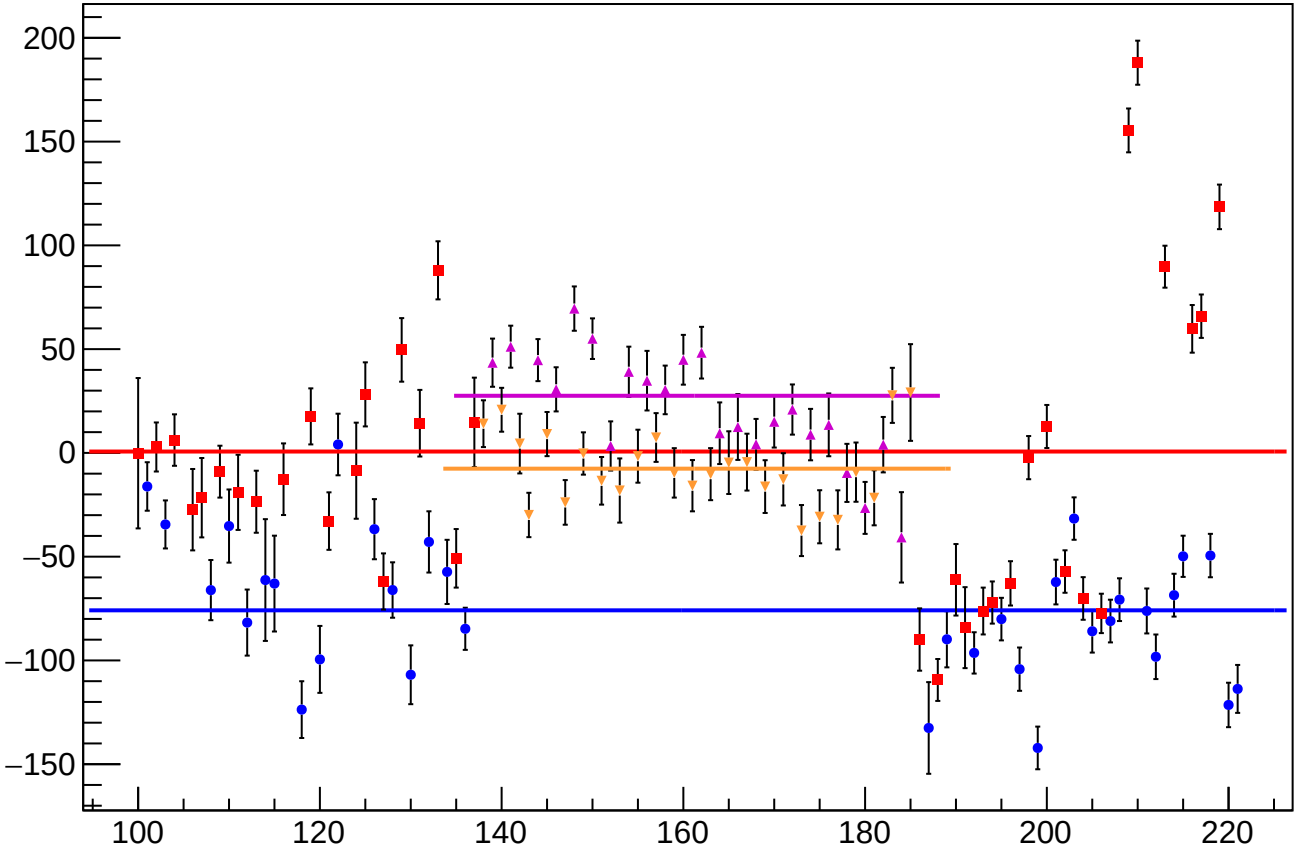
Right: 1751.364+/-0.191 χ^2/NDF: 3115843.1/70

In: 1860.656+/-0.213 χ^2/NDF:3682842.8/56

Out: 1839.891+/-0.208 χ^2/NDF:3698624.6/61

All: 1850.069+/-0.149 χ^2/NDF: 7386330.9/11

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: 0.660+/-2.095 χ^2/NDF: 1362.3/36

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

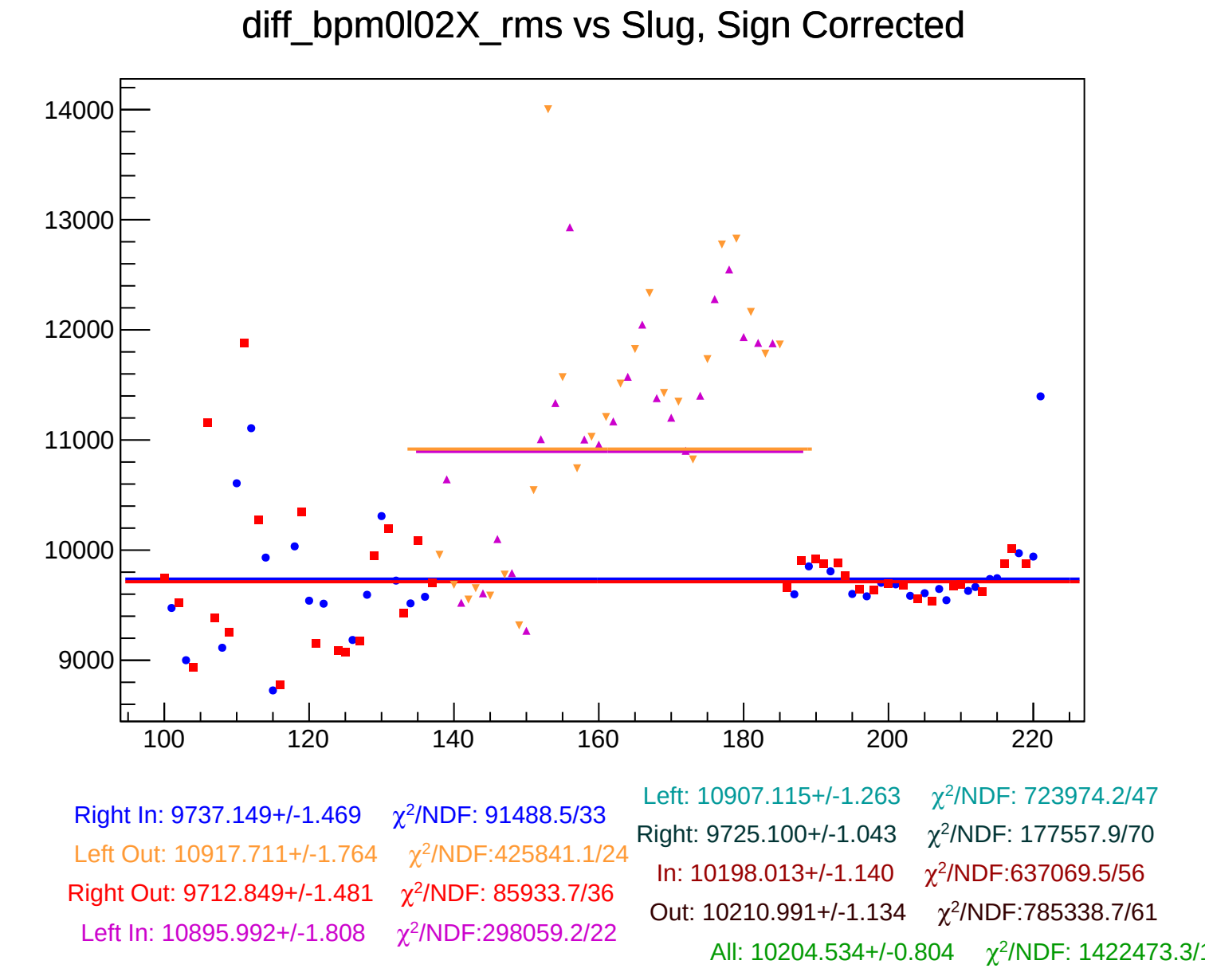
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

Right: -37.919+/-1.475 χ^2/NDF: 2273.4/70

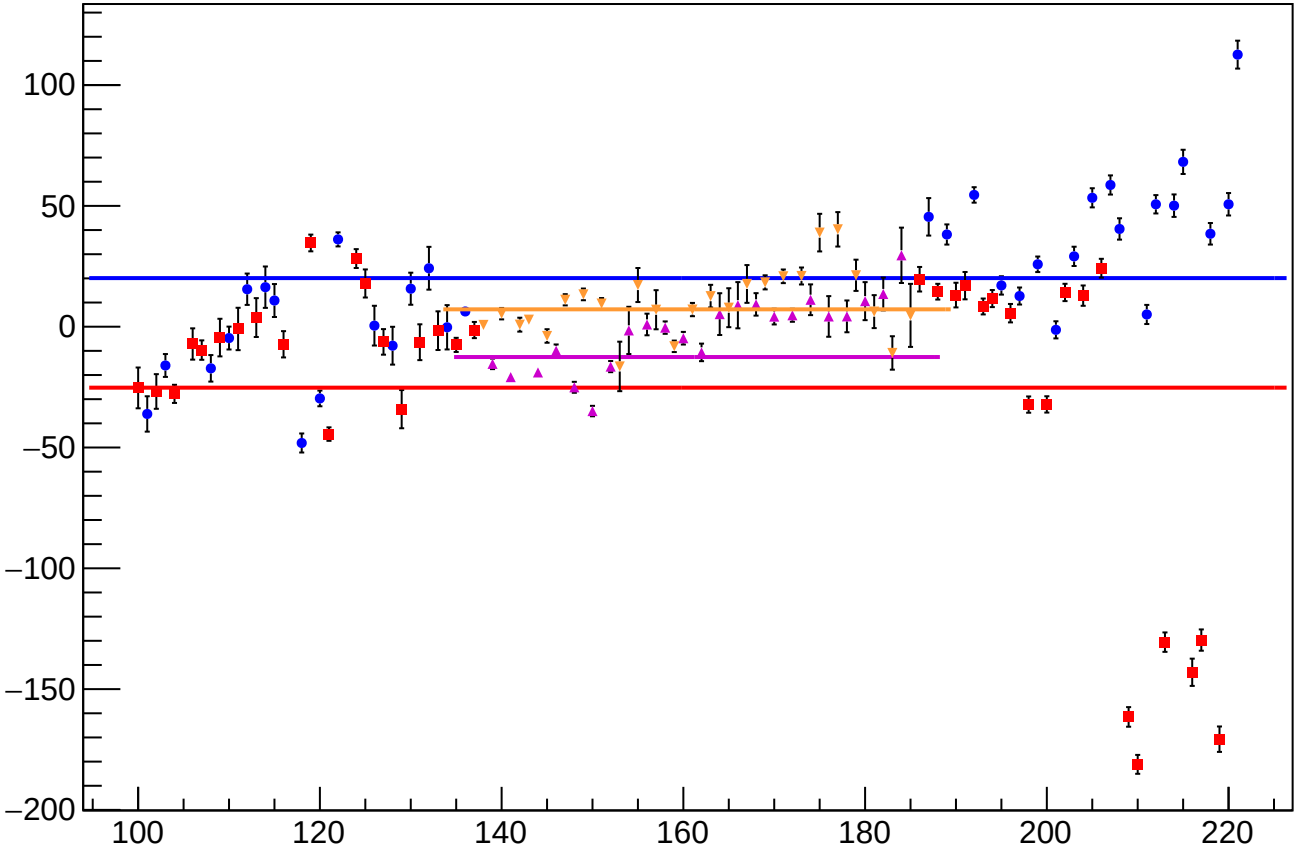
In: -34.743+/-1.612 χ^2/NDF:1316.4/56

Out: -2.753+/-1.604 χ^2/NDF:1416.6/61

All: -18.669+/-1.137 χ^2/NDF: 2930.9/118


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
120
140
160
180
200
220
Right In: 9737.149+/-1.469 χ²/NDF: 91488.5/33
Left Out: 10917.711+/-1.764 χ²/NDF:425841.1/24
Right Out: 9712.849+/-1.481 χ²/NDF: 85933.7/36
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9725.100+/-1.043 χ²/NDF: 177557.9/70
In: 10198.013+/-1.140 χ²/NDF:637069.5/56
Out: 10210.991+/-1.134 χ²/NDF:785338.7/61
All: 10204.534+/-0.804 χ²/NDF: 1422473.3/

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: -25.232+/-0.708 χ^2/NDF: 6923.1/36

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

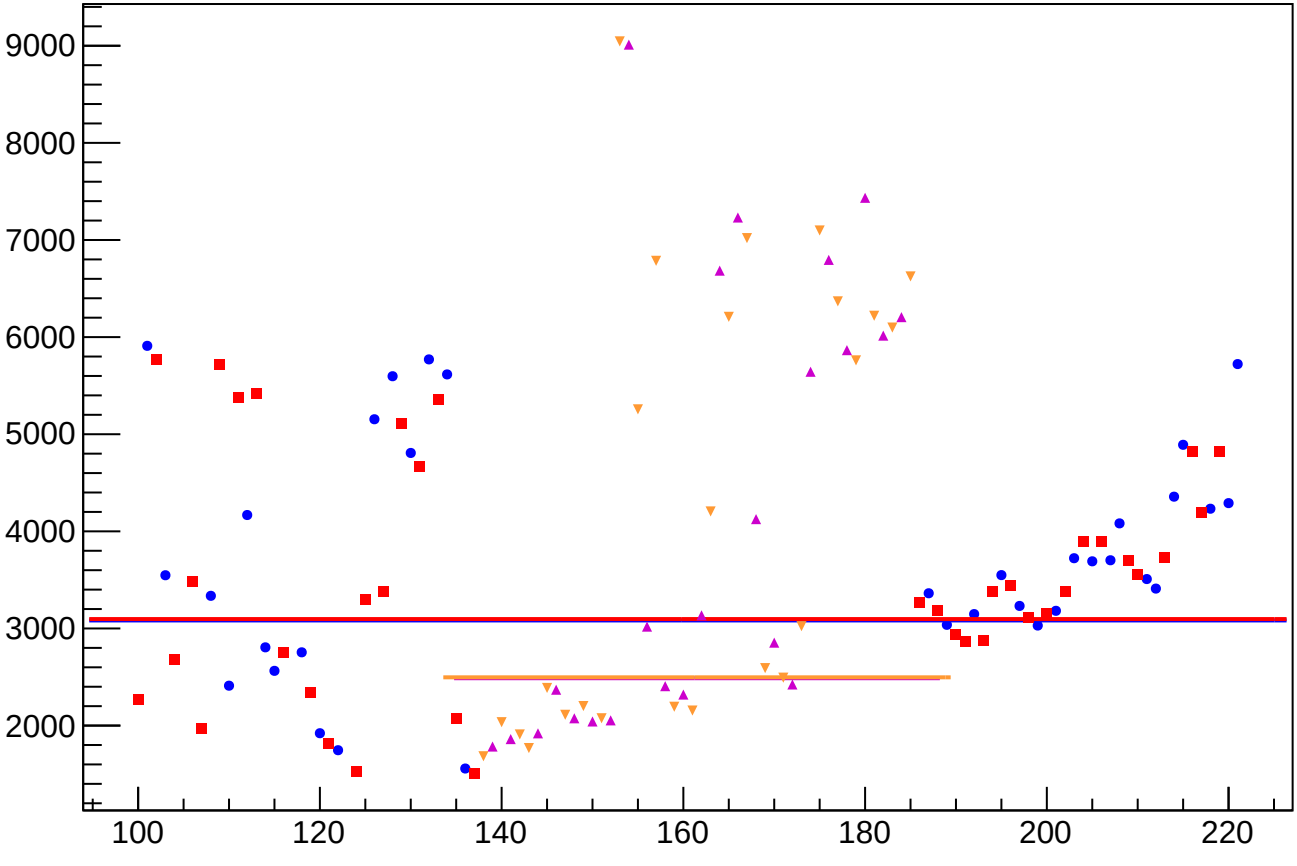
Right: -2.526+/-0.500 χ^2/NDF: 10737.6/70

In: 2.669+/-0.483 χ^2/NDF:3273.2/56

Out: -7.728+/-0.480 χ^2/NDF:8256.3/61

All: -2.555+/-0.340 χ^2/NDF: 11762.6/118

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: 3096.775+/-0.501 χ^2/NDF: 3809623.0/36

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

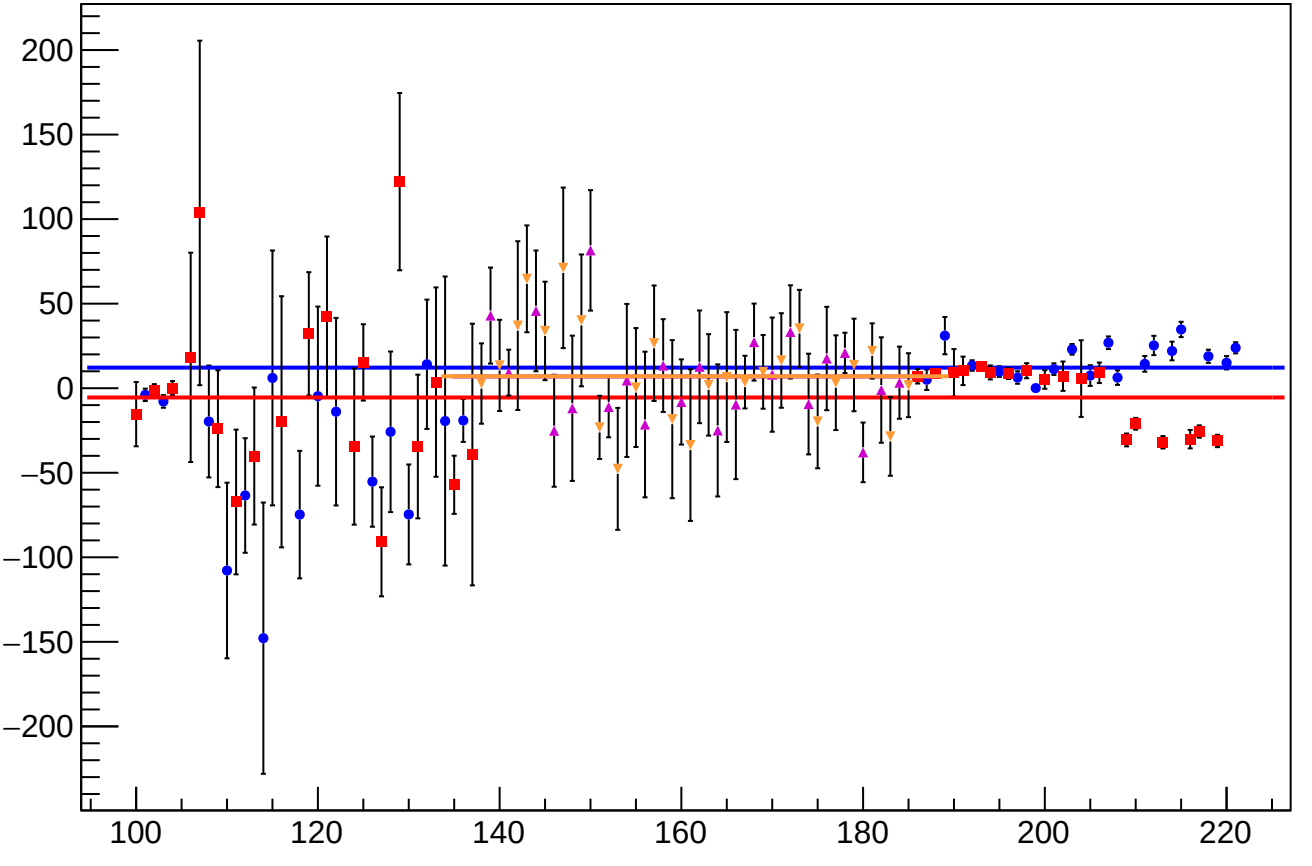
Right: 3089.709+/-0.354 χ^2/NDF: 8833573.7/70

In: 2764.944+/-0.341 χ^2/NDF:11883068.3/56

Out: 2772.805+/-0.340 χ^2/NDF:11790663.3/61

All: 2768.894+/-0.241 χ^2/NDF: 23673998.1/1

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: -5.483+/-0.931 χ^2/NDF: 387.0/36

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

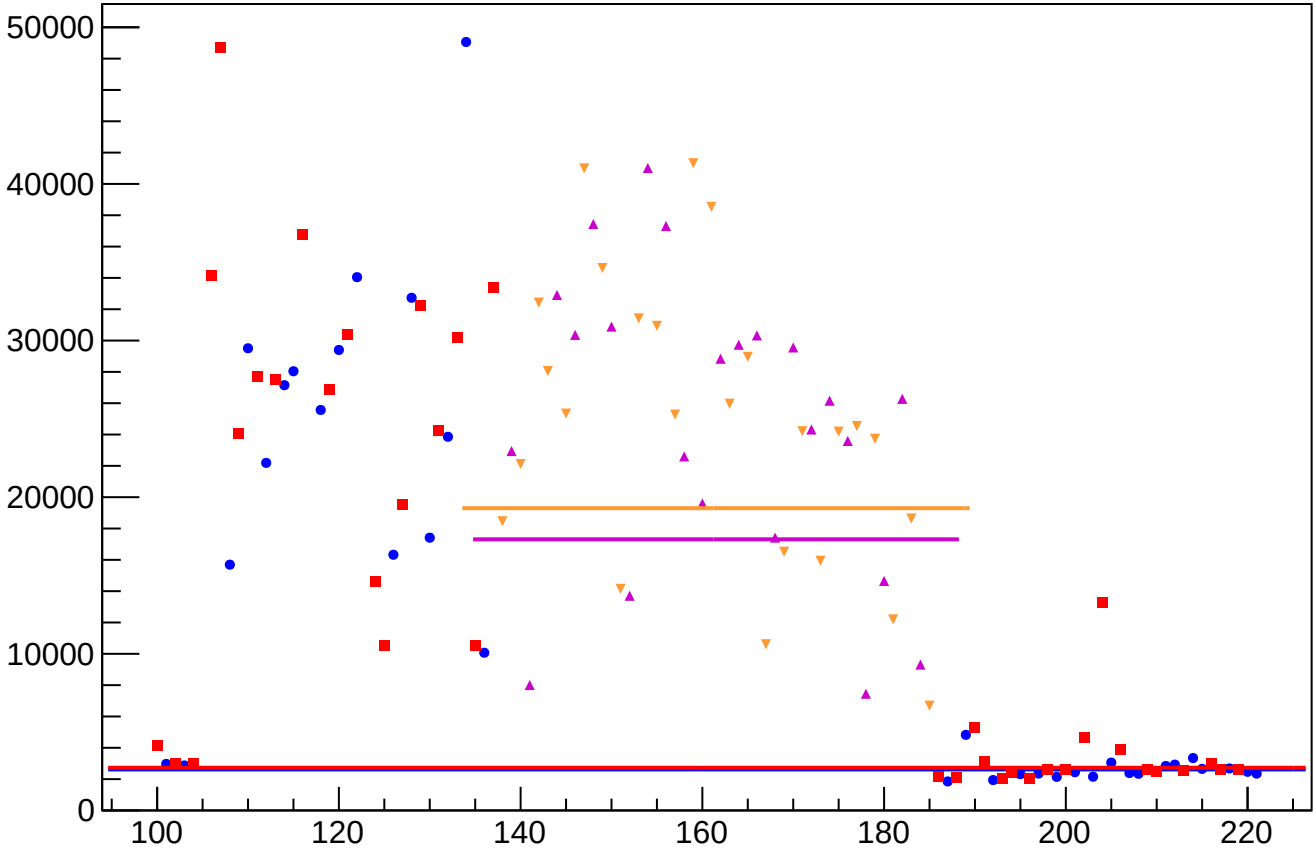
Right: 3.891+/-0.638 χ^2/NDF: 772.6/70

In: 12.026+/-0.862 χ^2/NDF:216.8/56

Out: -5.097+/-0.916 χ^2/NDF:412.1/61

All: 3.983+/-0.628 χ^2/NDF: 814.0/118

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: 2725.761+/-0.658 χ^2/NDF: 9434622.7/36

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

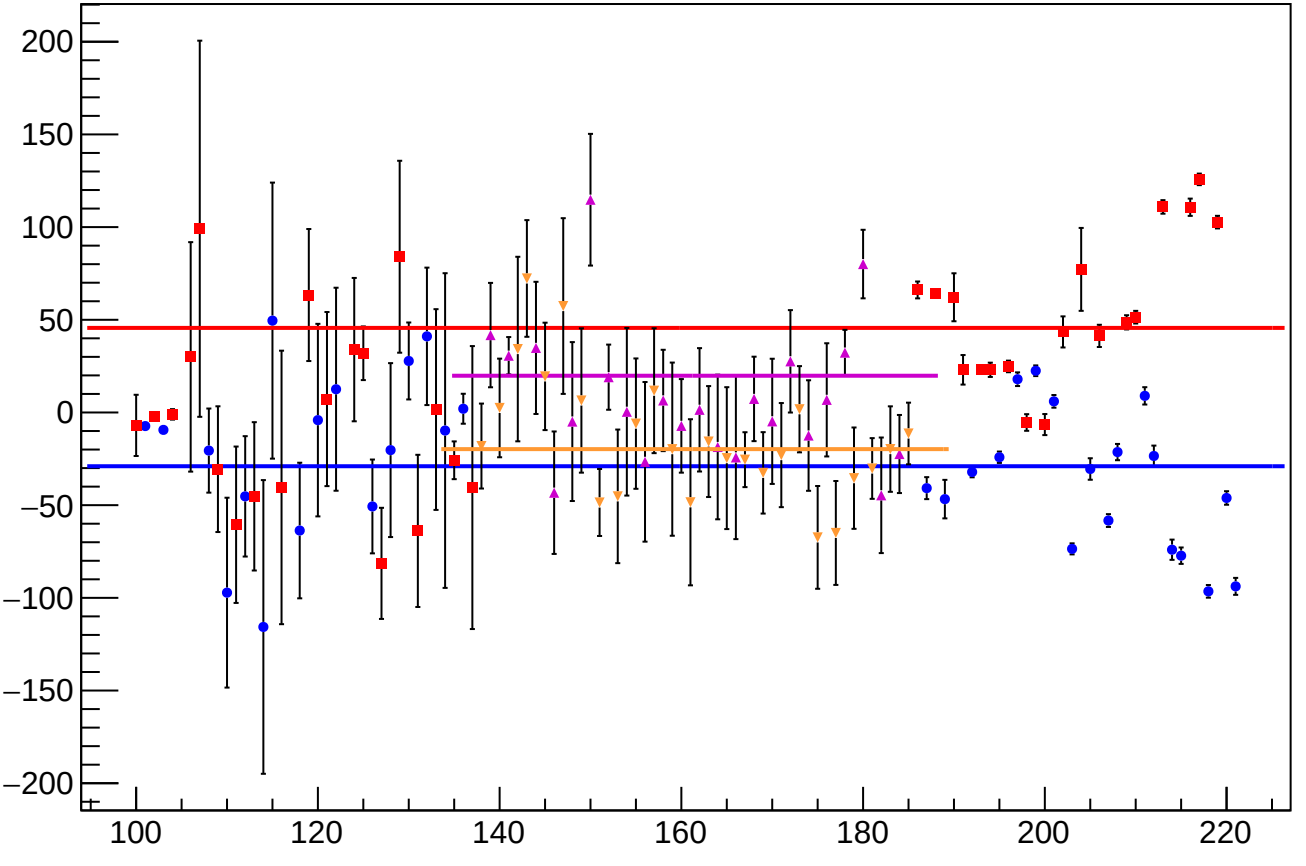
Right: 2669.633+/-0.451 χ^2/NDF: 17455257.2/70

In: 3041.701+/-0.610 χ^2/NDF:30902115.2/56

Out: 3235.155+/-0.648 χ^2/NDF:33957450.8/61

All: 3132.564+/-0.444 χ^2/NDF: 64906825.7/1

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: 45.624+/-0.839 χ^2/NDF: 2631.6/36

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

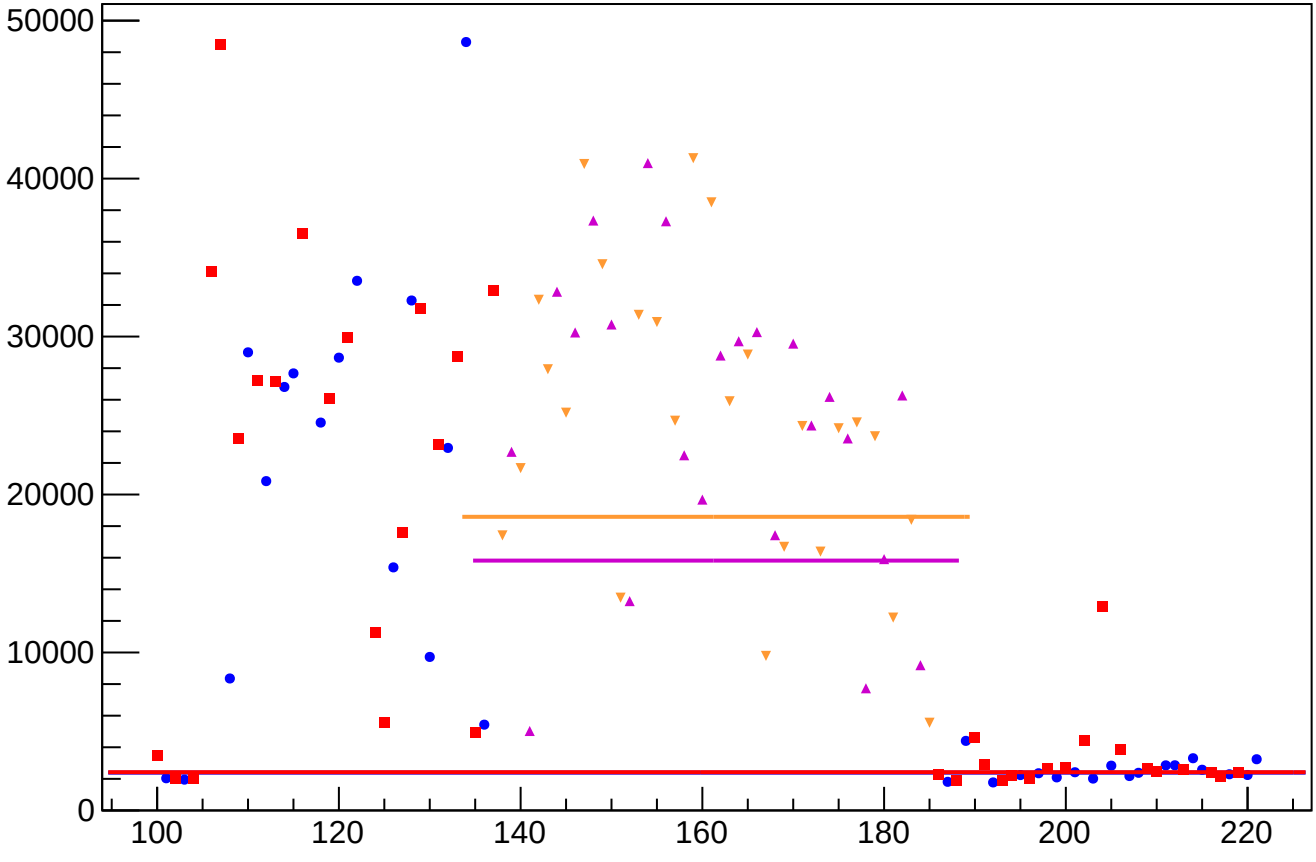
Right: 6.934+/-0.582 χ^2/NDF: 8666.0/70

In: -27.677+/-0.797 χ^2/NDF:2067.7/56

Out: 43.913+/-0.828 χ^2/NDF:2818.4/61

All: 6.778+/-0.574 χ^2/NDF: 8768.4/118

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: 2421.608+/-0.593 χ^2/NDF: 9032913.3/36

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

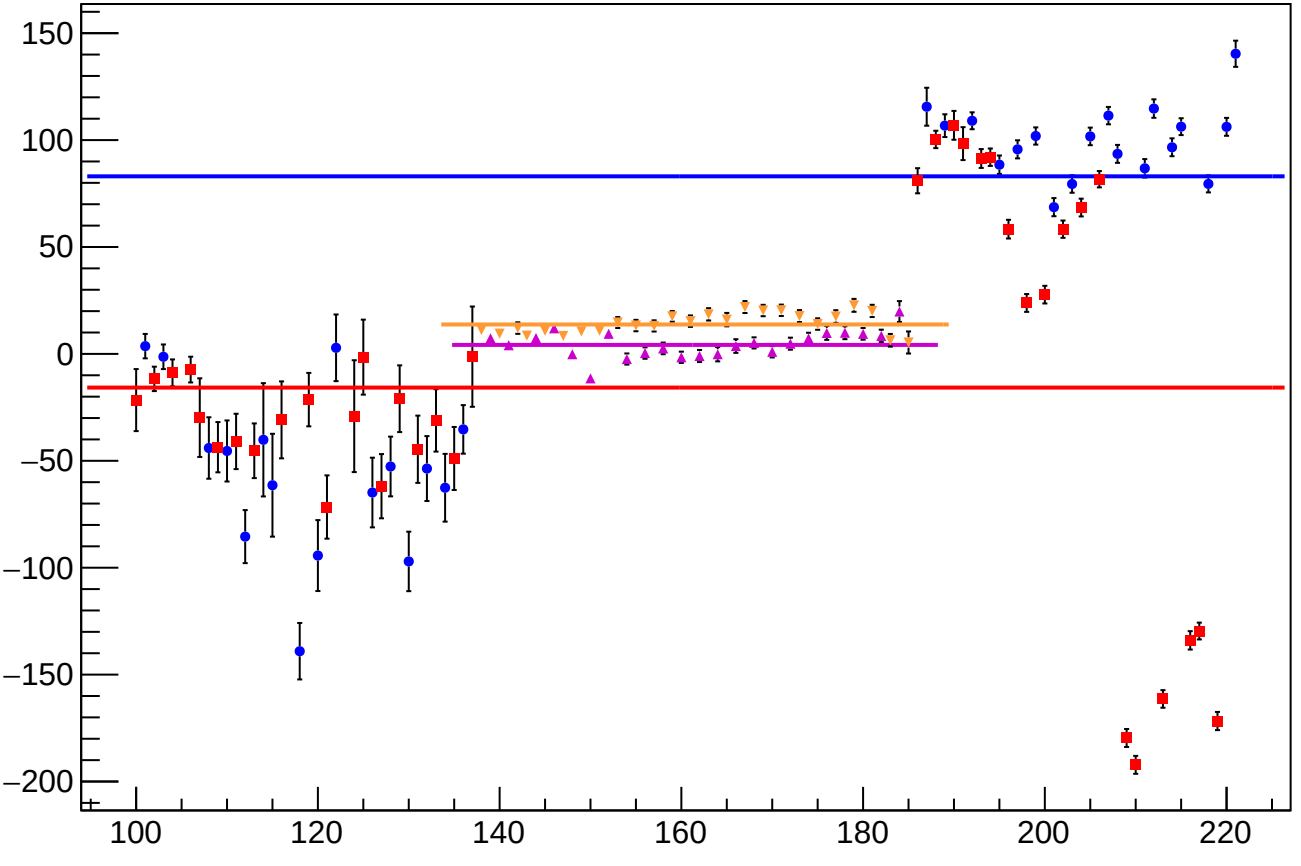
Right: 2407.694+/-0.411 χ^2/NDF: 16283361.6/70

In: 2758.010+/-0.564 χ^2/NDF:30588146.1/56

Out: 2844.495+/-0.585 χ^2/NDF:34177304.7/61

All: 2799.634+/-0.406 χ^2/NDF: 64776782.0/1

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: -15.754+/-0.956 χ^2/NDF: 12346.5/36

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

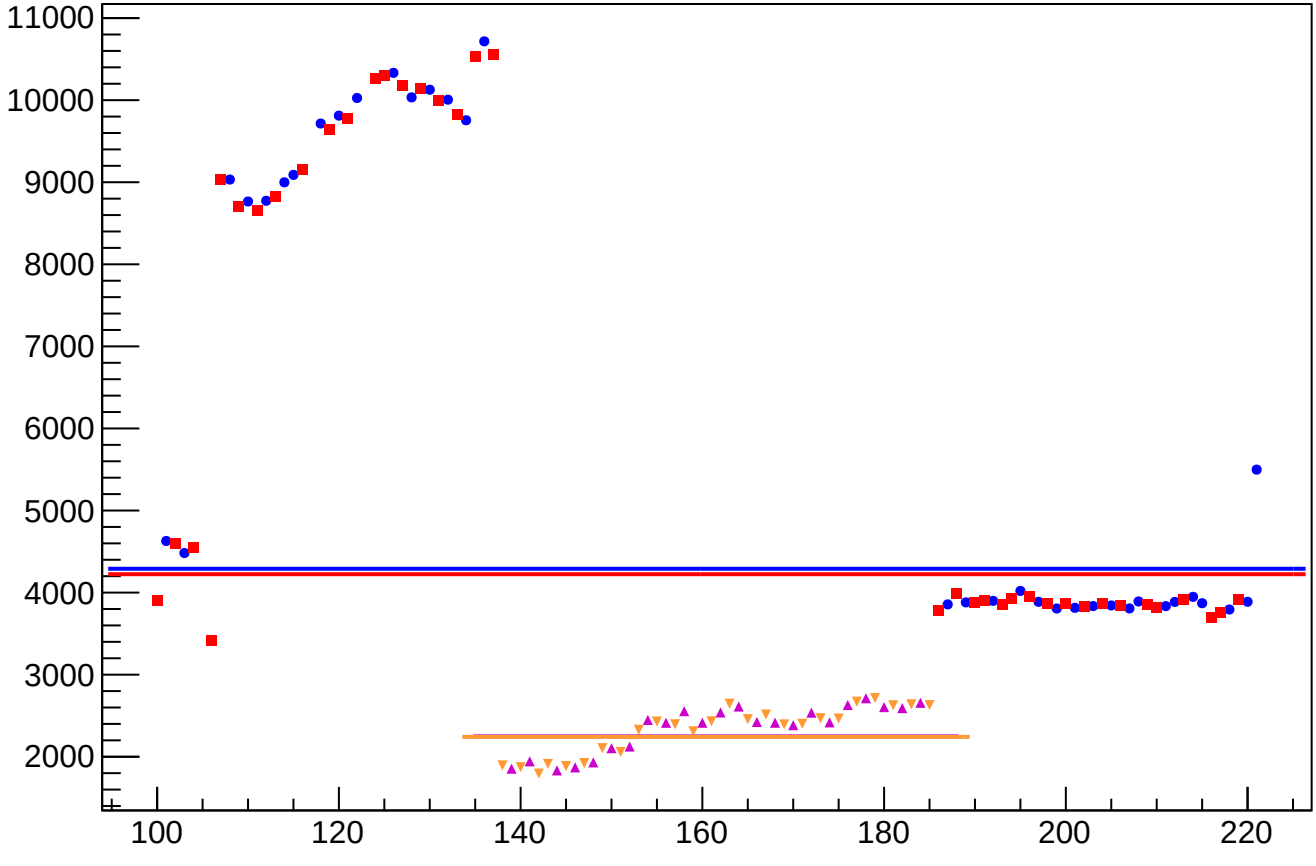
Right: 33.189+/-0.679 χ^2/NDF: 19910.1/70

In: 22.493+/-0.465 χ^2/NDF:7524.4/56

Out: 7.137+/-0.453 χ^2/NDF:13163.7/61

All: 14.617+/-0.324 χ^2/NDF: 21248.6/118

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4290.486+/-0.682 χ^2/NDF: 4198656.0/33

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4224.234+/-0.676 χ^2/NDF: 4060997.0/36

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

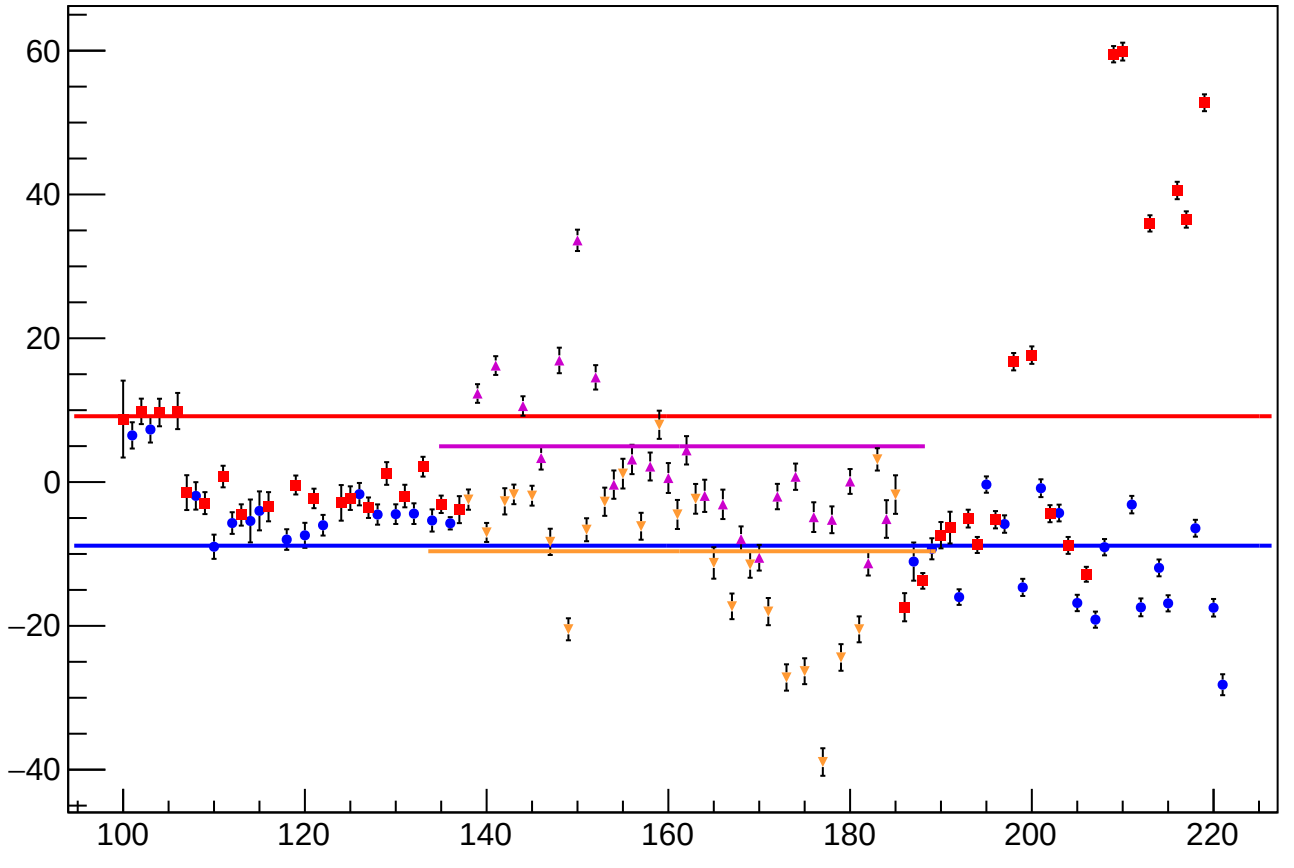
Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

Right: 4257.051+/-0.480 χ^2/NDF: 8264415.2/70

In: 2722.229+/-0.328 χ^2/NDF:11725222.9/56

Out: 2687.099+/-0.320 χ^2/NDF:11391655.4/61

All: 2704.210+/-0.229 χ^2/NDF: 23122745.4/



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: 9.157+/-0.230 χ^2/NDF: 9789.5/36

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

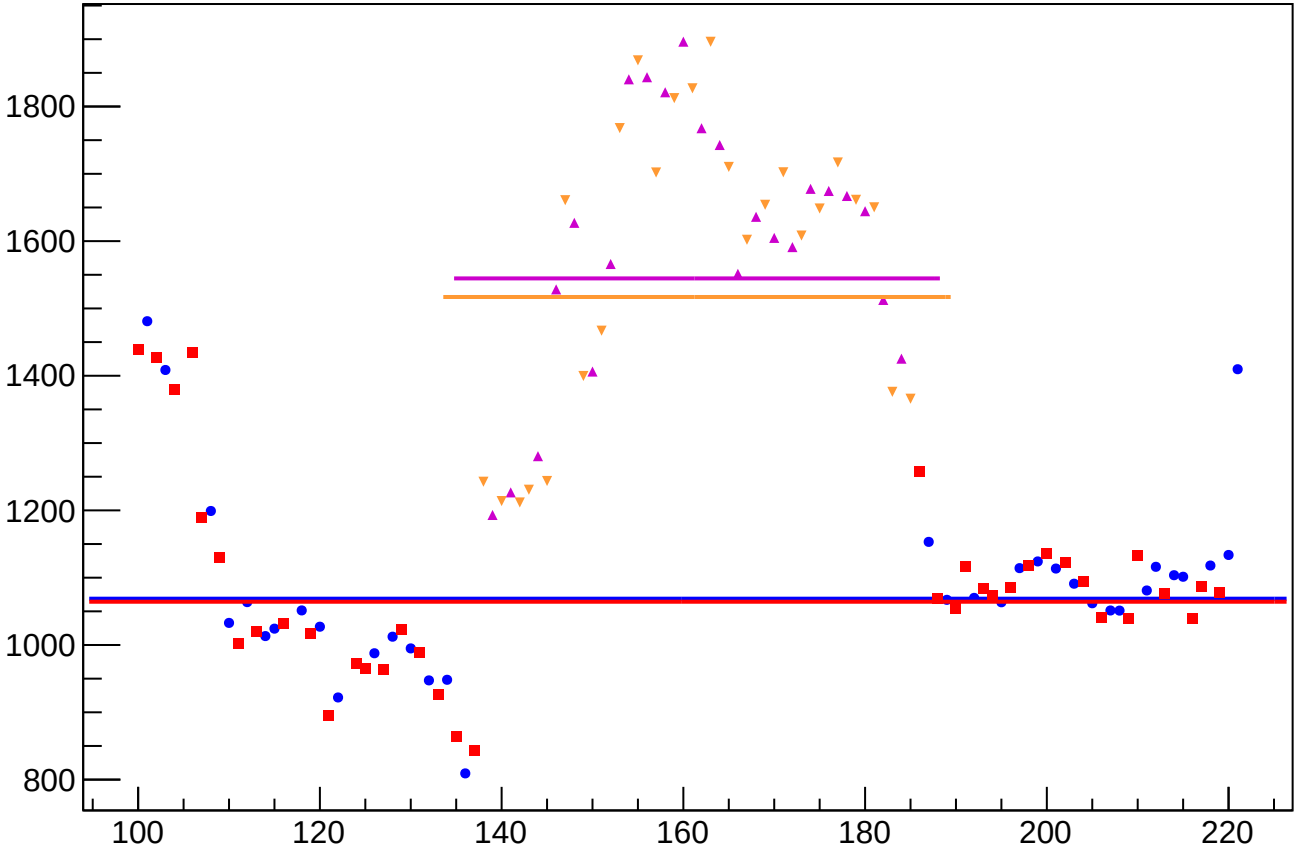
Right: 0.116+/-0.163 χ^2/NDF: 13781.7/70

In: -4.929+/-0.194 χ^2/NDF:2883.7/56

Out: 3.461+/-0.192 χ^2/NDF:12739.7/61

All: -0.693+/-0.137 χ^2/NDF: 16566.3/118

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: 1064.280+/-0.163 χ^2/NDF: 416255.2/36

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

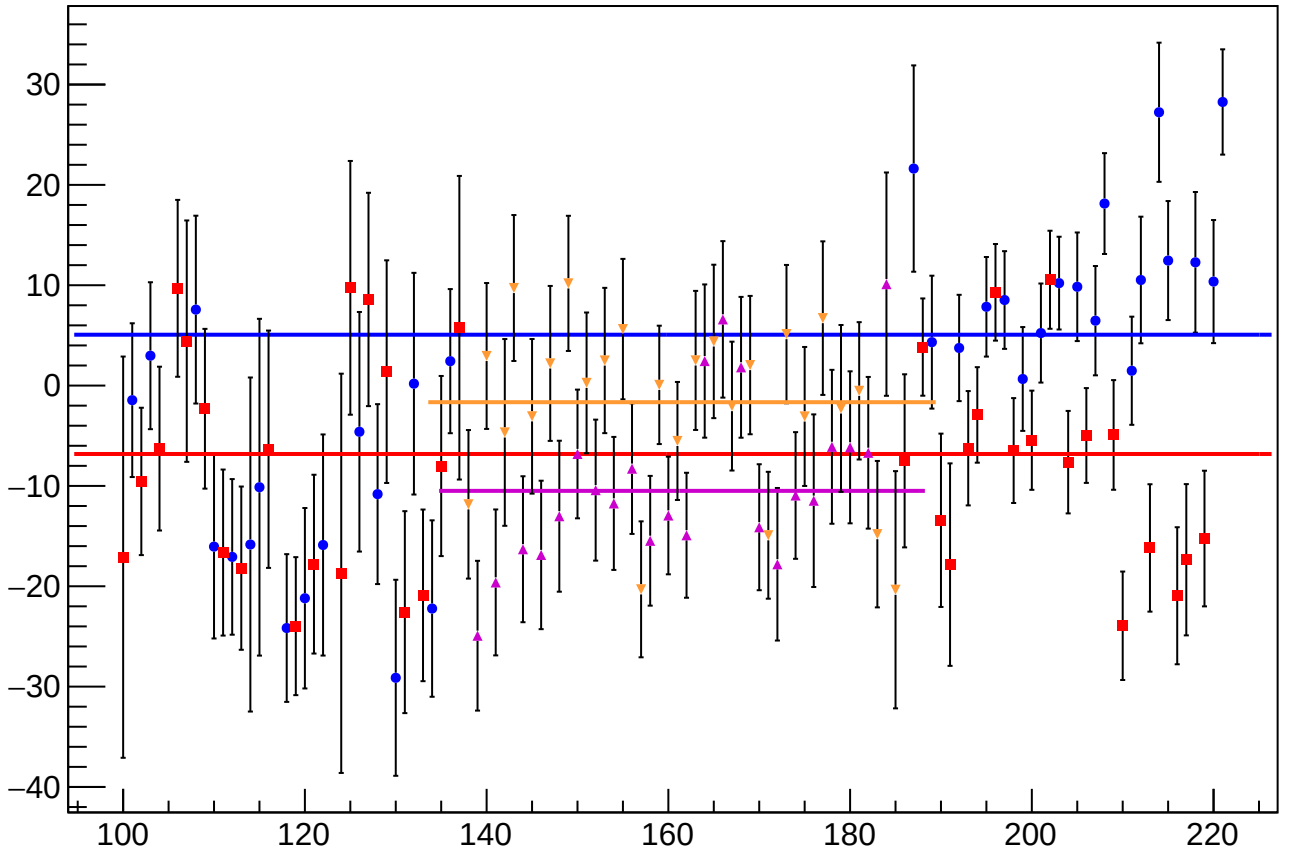
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1066.546+/-0.115 χ^2/NDF: 985163.0/70

In: 1203.704+/-0.137 χ^2/NDF:3647569.2/56

Out: 1201.596+/-0.136 χ^2/NDF:3592592.1/61

All: 1202.640+/-0.097 χ^2/NDF: 7240280.3/11



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: -6.817+/-1.146 χ^2/NDF: 78.3/36

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

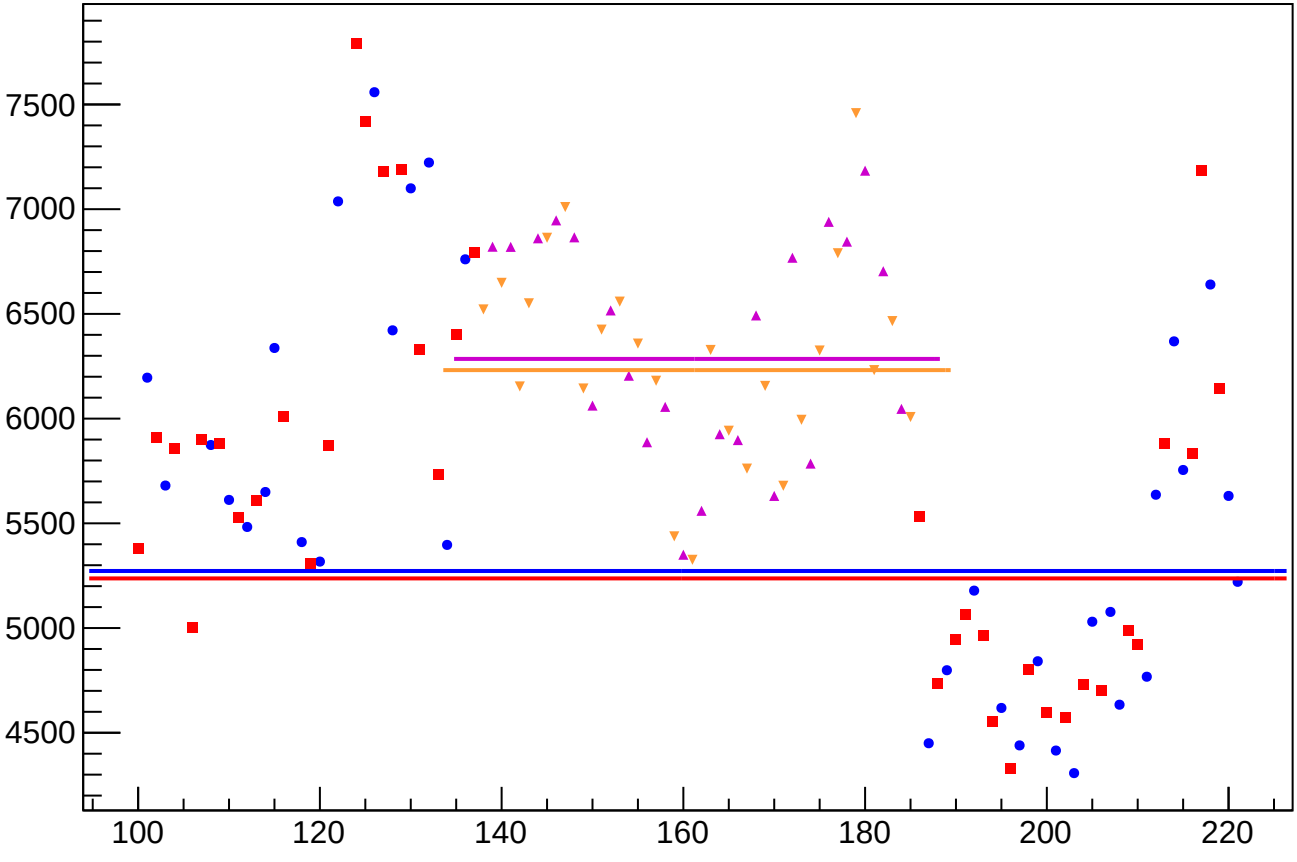
Right: -0.851+/-0.809 χ^2/NDF: 250.4/70

In: -0.735+/-0.904 χ^2/NDF:212.3/56

Out: -4.793+/-0.893 χ^2/NDF:117.8/61

All: -2.788+/-0.635 χ^2/NDF: 340.3/118

diff_bpm0l05X_rms vs Slug, Sign Corrected



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: 5236.915+/-0.810 χ^2/NDF: 871336.8/36

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

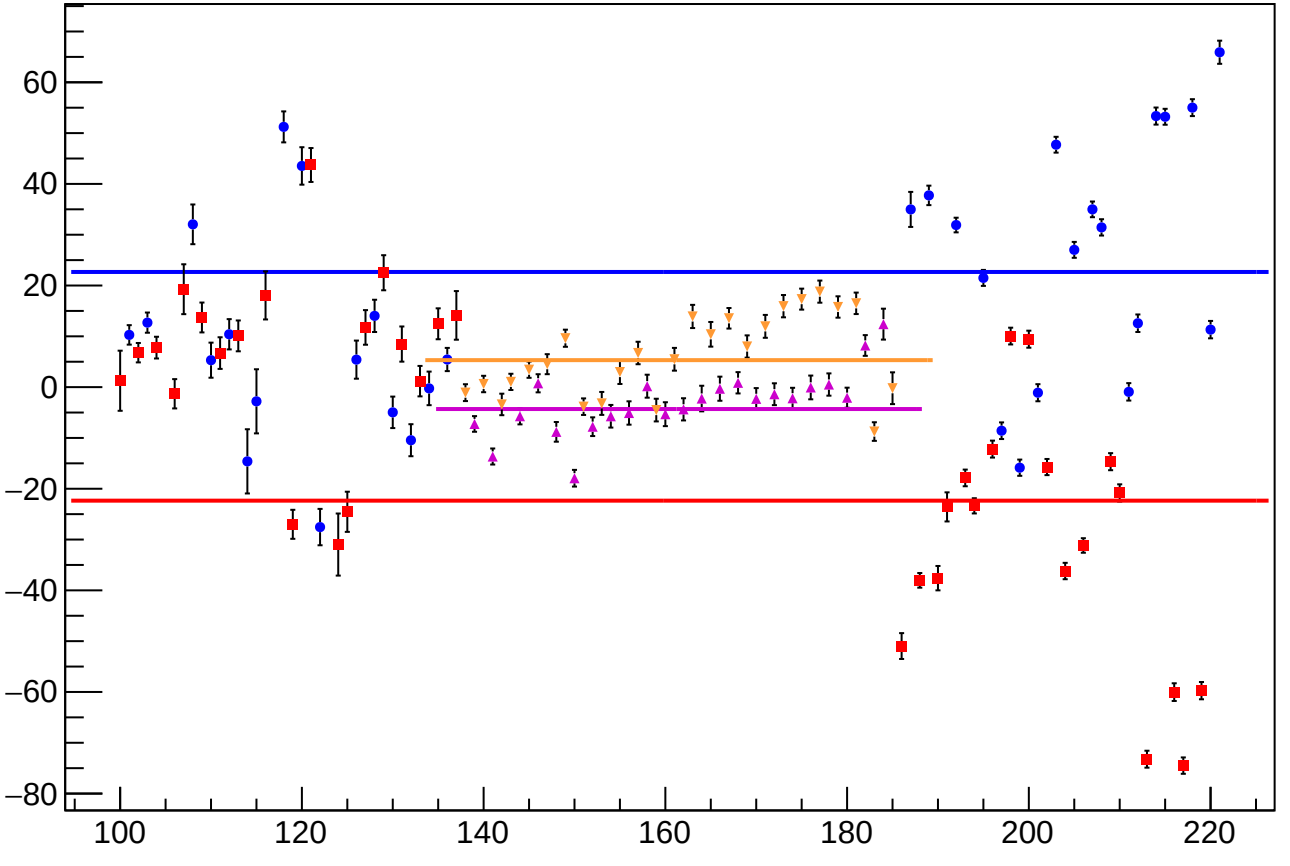
Right: 5254.763+/-0.572 χ^2/NDF: 1793853.0/70

In: 5650.148+/-0.639 χ^2/NDF:1774153.7/56

Out: 5627.012+/-0.632 χ^2/NDF:1689483.8/61

All: 5638.445+/-0.449 χ^2/NDF: 3464300.6/11

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: -22.344+/-0.351 χ^2/NDF: 6149.6/36

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

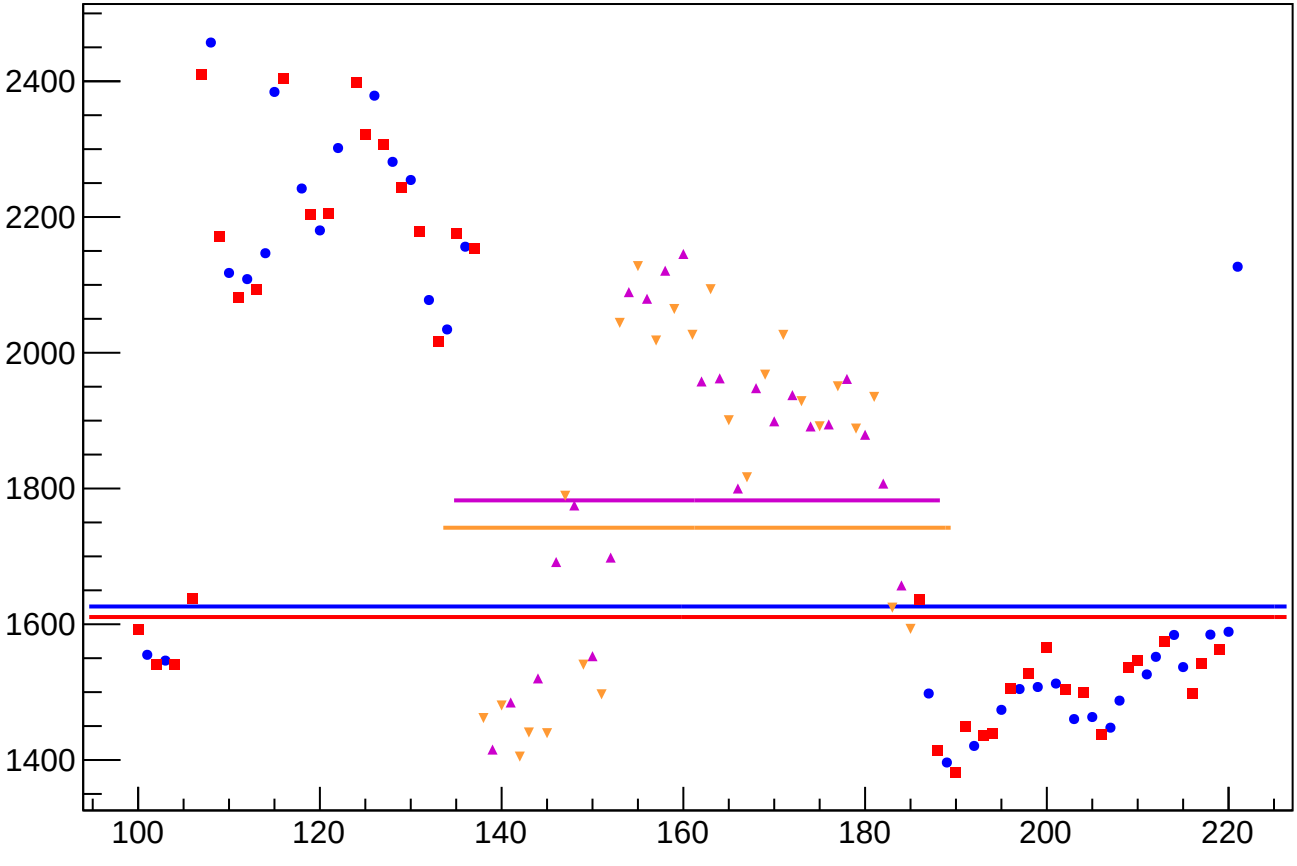
Right: 0.128+/-0.249 χ^2/NDF: 18489.5/70

In: 11.543+/-0.270 χ^2/NDF:6791.8/56

Out: -10.309+/-0.264 χ^2/NDF:9223.3/61

All: 0.385+/-0.189 χ^2/NDF: 19365.5/118

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: 1610.644+/-0.248 χ^2/NDF: 1061656.5/36

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

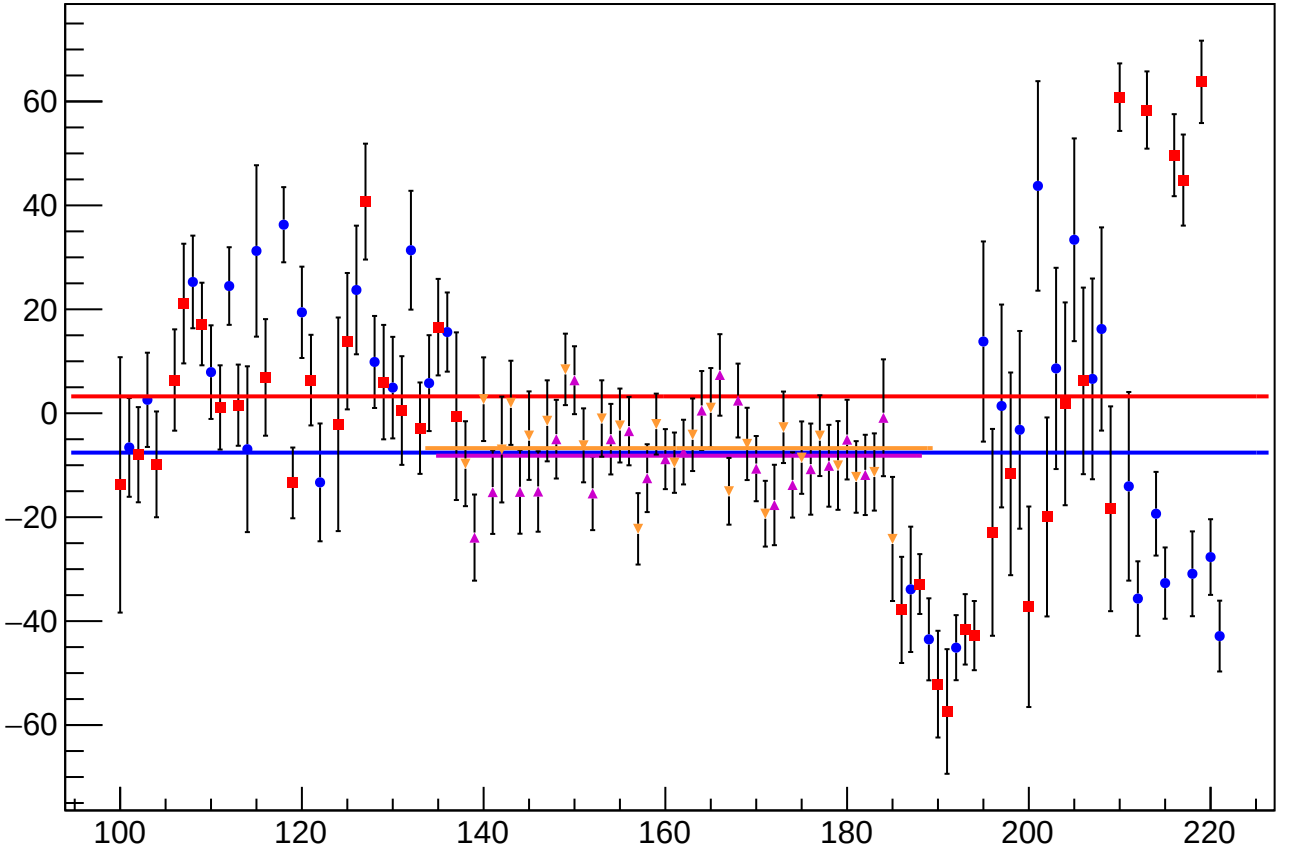
Right: 1618.400+/-0.176 χ^2/NDF: 2245442.8/70

In: 1690.647+/-0.191 χ^2/NDF:1878946.5/56

Out: 1667.899+/-0.187 χ^2/NDF:1951335.9/61

All: 1679.031+/-0.133 χ^2/NDF: 3837544.1/11

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: 3.247+/-1.582 χ^2/NDF: 490.4/36

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

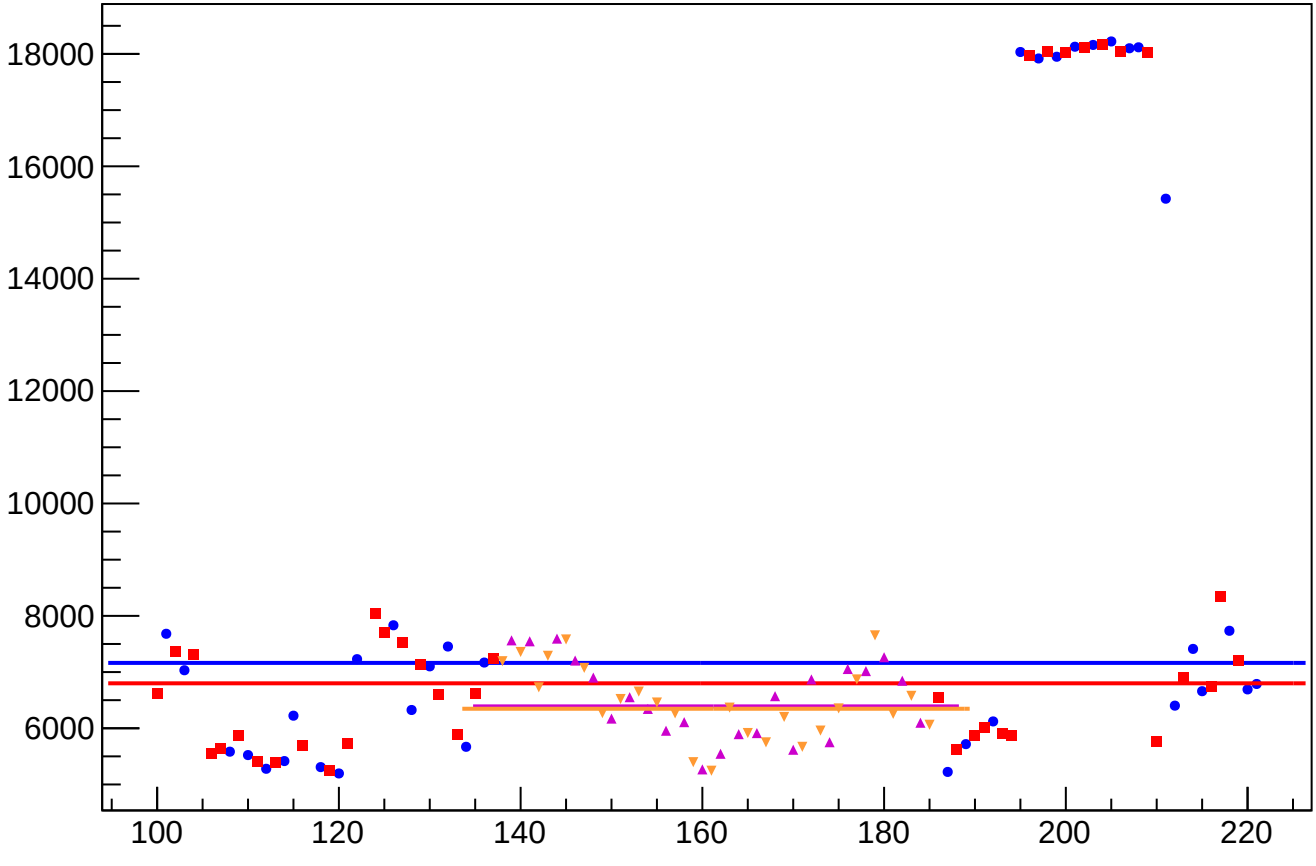
Right: -1.913+/-1.144 χ^2/NDF: 786.0/70

In: -7.901+/-1.116 χ^2/NDF:297.5/56

Out: -2.139+/-1.072 χ^2/NDF:537.5/61

All: -4.904+/-0.773 χ^2/NDF: 848.9/118

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: 6799.888+/-1.119 χ^2/NDF: 5506170.4/36

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

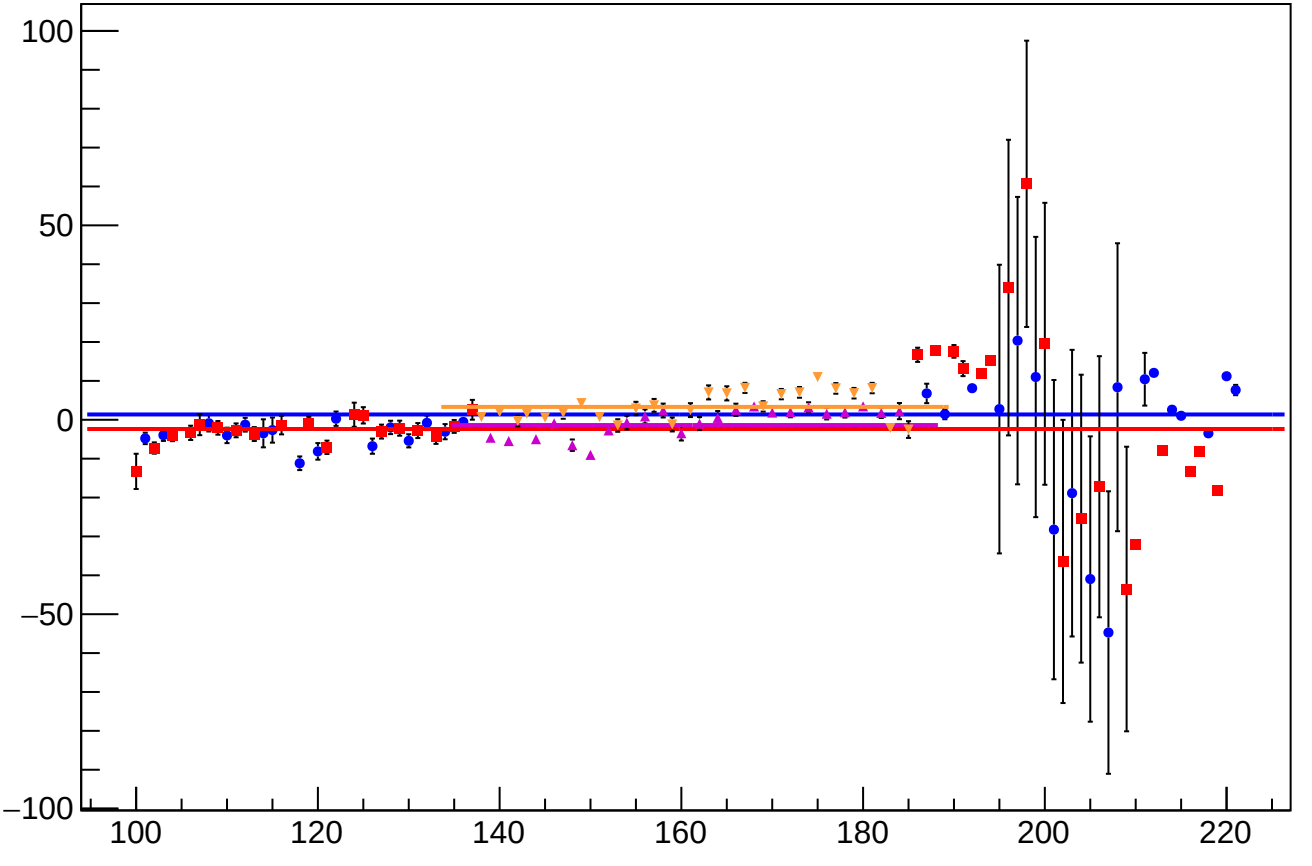
Right: 6973.091+/-0.809 χ^2/NDF: 11842853.2/70

In: 6740.380+/-0.789 χ^2/NDF:6944361.7/56

Out: 6555.128+/-0.758 χ^2/NDF:5980729.4/61

All: 6644.015+/-0.547 χ^2/NDF: 12953748.3/1

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: -2.370+/-0.277 χ^2/NDF: 2115.9/36

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

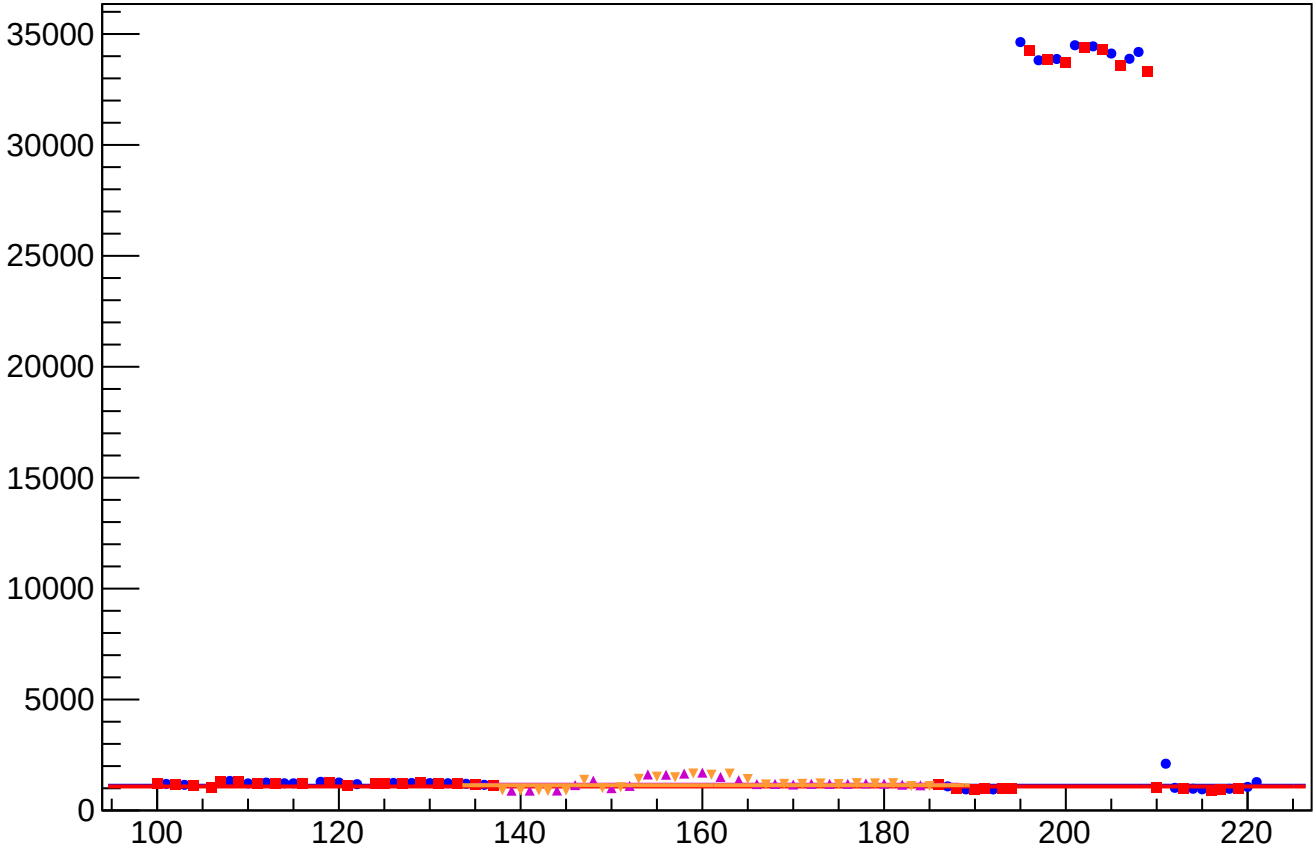
Right: -0.594+/-0.201 χ^2/NDF: 2633.8/70

In: -0.064+/-0.201 χ^2/NDF:673.7/56

Out: 0.604+/-0.191 χ^2/NDF:2513.7/61

All: 0.286+/-0.138 χ^2/NDF: 3193.3/118

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: 1081.277+/-0.196 χ^2/NDF: 11834941.6/36

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

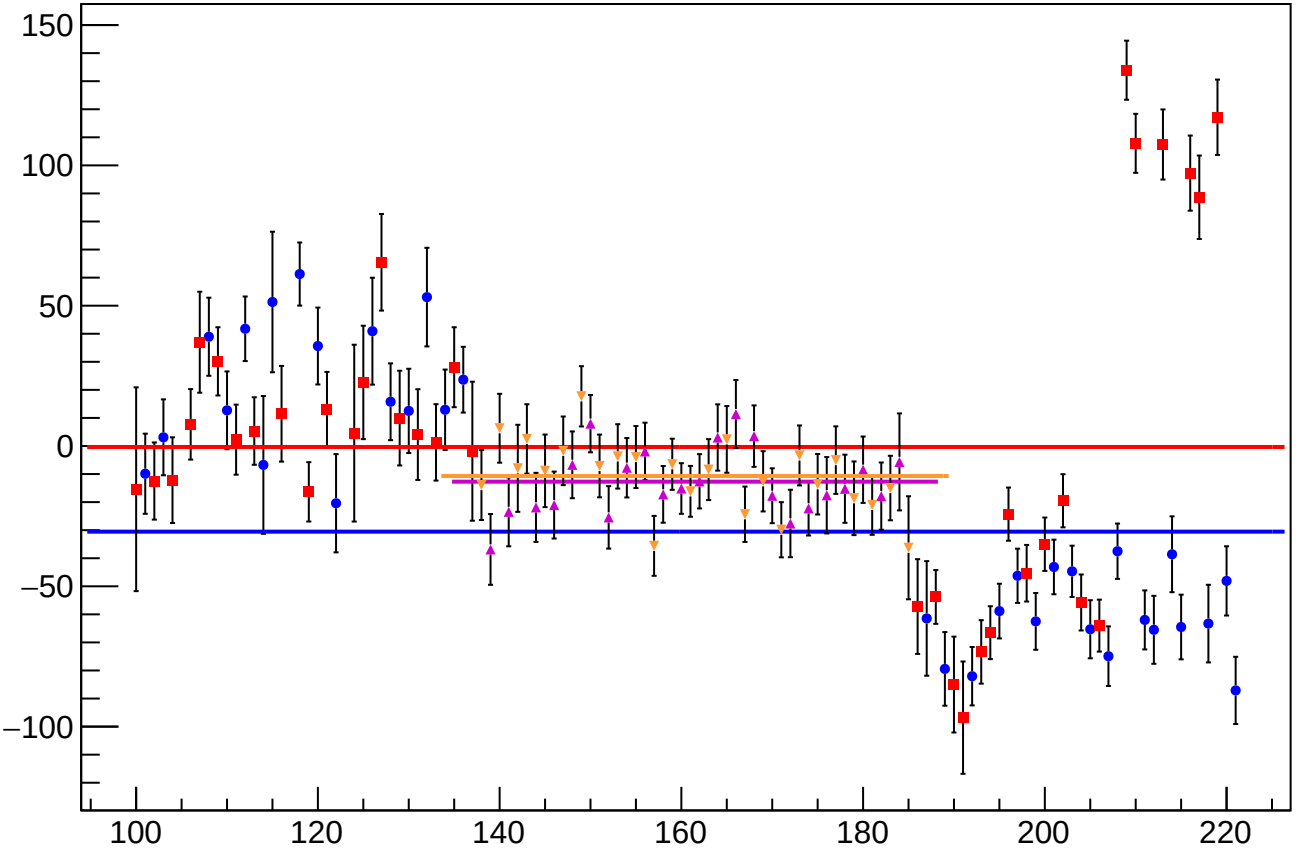
Right: 1096.570+/-0.142 χ^2/NDF: 25112530.0/70

In: 1137.622+/-0.142 χ^2/NDF:14550767.7/56

Out: 1110.524+/-0.135 χ^2/NDF:13347177.7/61

All: 1123.433+/-0.098 χ^2/NDF: 27917059.1/1

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: -0.350+/-2.093 χ^2/NDF: 848.5/36

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

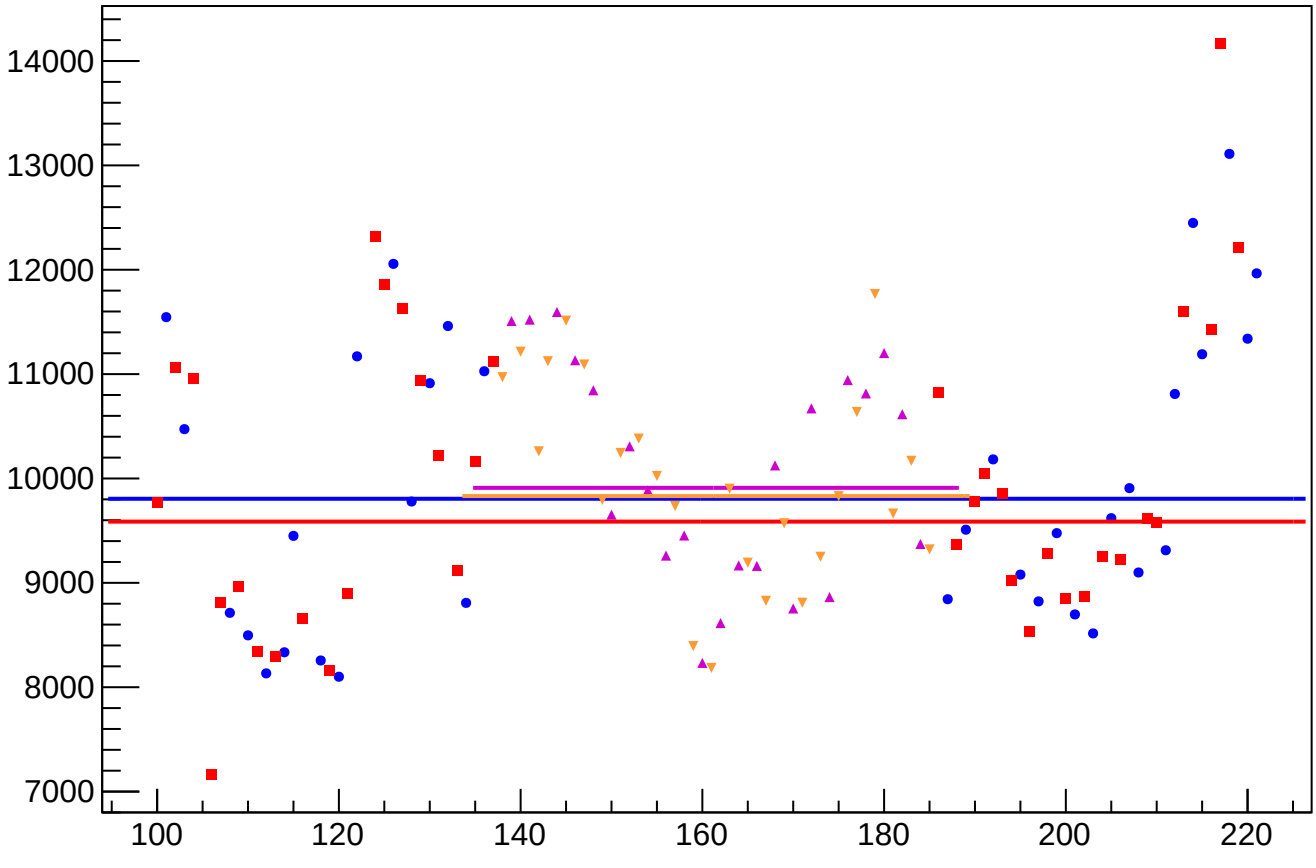
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: -15.264+/-1.488 χ^2/NDF: 1373.8/70

In: -22.513+/-1.570 χ^2/NDF:478.4/56

Out: -5.133+/-1.535 χ^2/NDF:888.6/61

All: -13.625+/-1.098 χ^2/NDF: 1429.6/118



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: 9586.649+/-1.480 χ^2/NDF: 744140.5/36

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

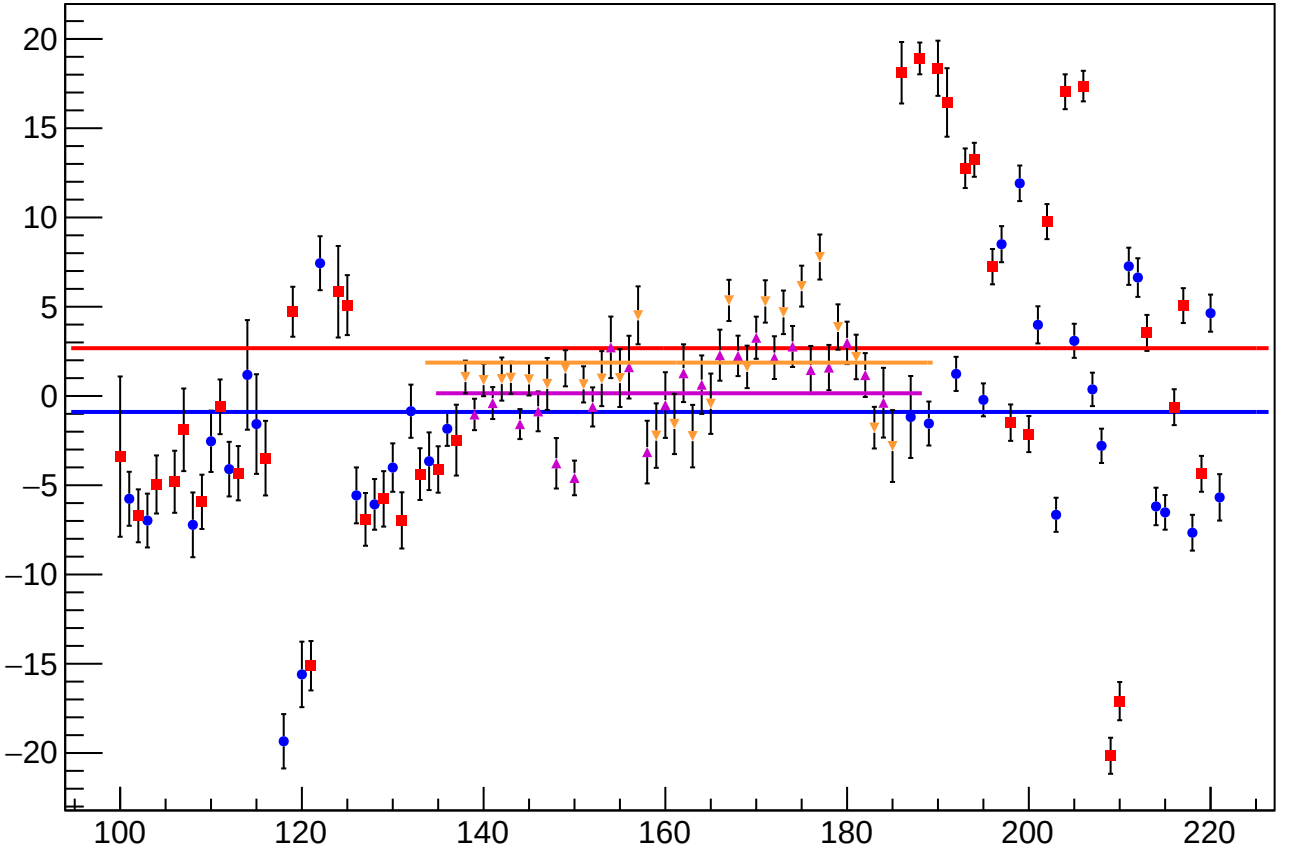
Right: 9694.883+/-1.053 χ^2/NDF: 1491193.4/70

In: 9852.729+/-1.110 χ^2/NDF:1127799.6/56

Out: 9699.753+/-1.085 χ^2/NDF:1112898.6/61

All: 9774.494+/-0.776 χ^2/NDF: 2250406.1/11

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: 2.678+/-0.206 χ^2/NDF: 2805.2/36

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

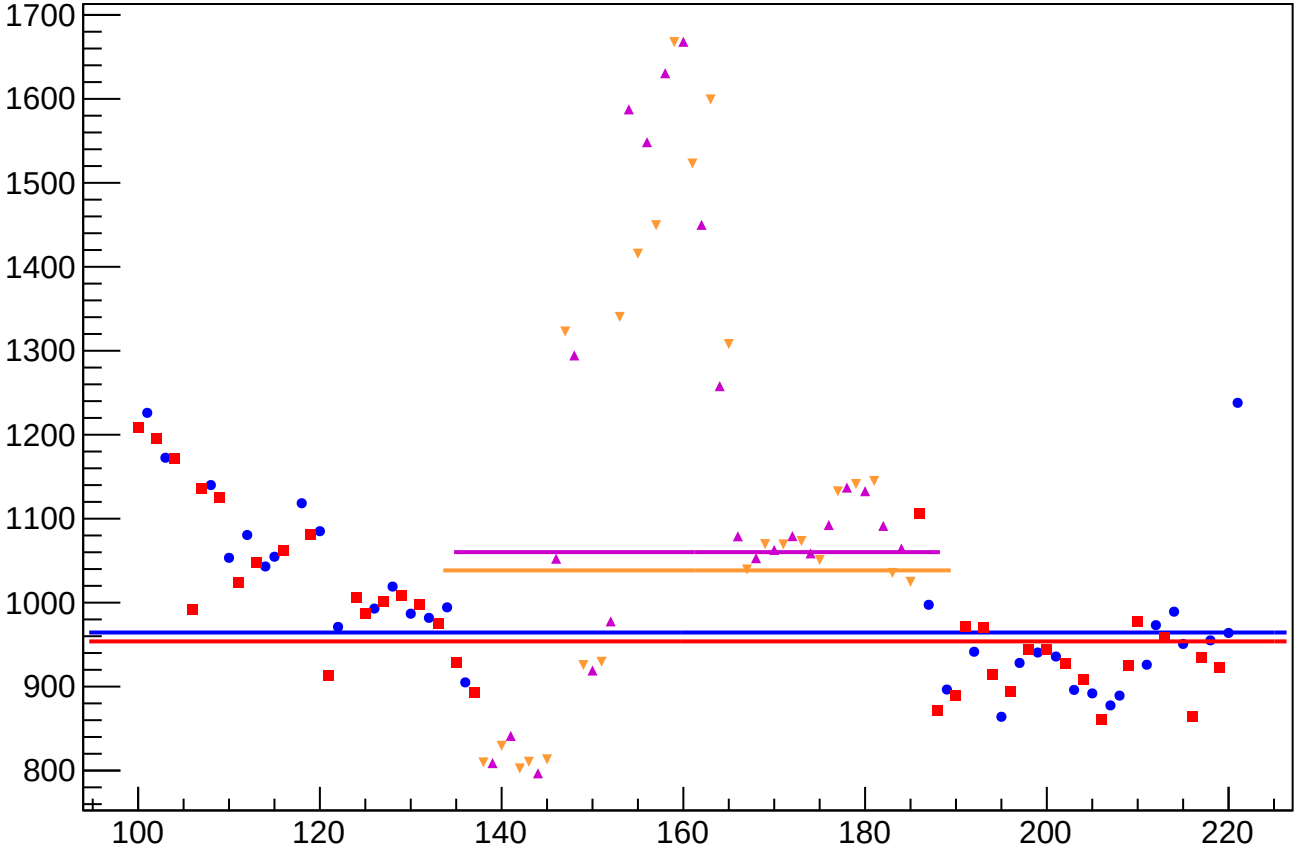
Right: 0.896+/-0.146 χ^2/NDF: 3867.9/70

In: -0.479+/-0.160 χ^2/NDF:998.8/56

Out: 2.339+/-0.157 χ^2/NDF:2914.8/61

All: 0.959+/-0.112 χ^2/NDF: 4071.1/118

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: 953.834+/-0.146 χ^2/NDF: 278903.7/36

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

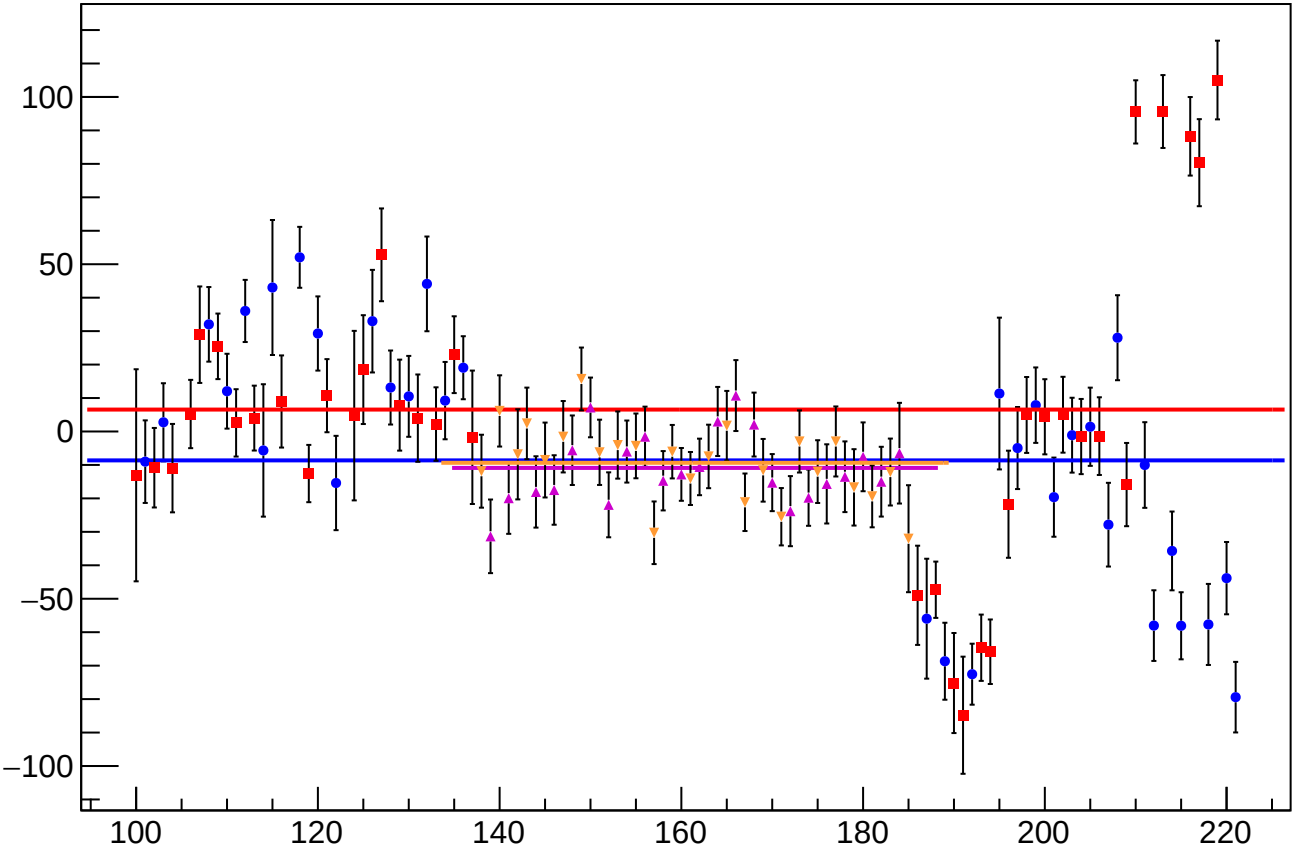
Right: 959.120+/-0.103 χ^2/NDF: 641602.8/70

In: 1002.463+/-0.113 χ^2/NDF:2053864.1/56

Out: 989.280+/-0.111 χ^2/NDF:2126712.1/61

All: 995.734+/-0.079 χ^2/NDF: 4187471.4/118

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: 6.551+/-1.949 χ^2/NDF: 563.6/36

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

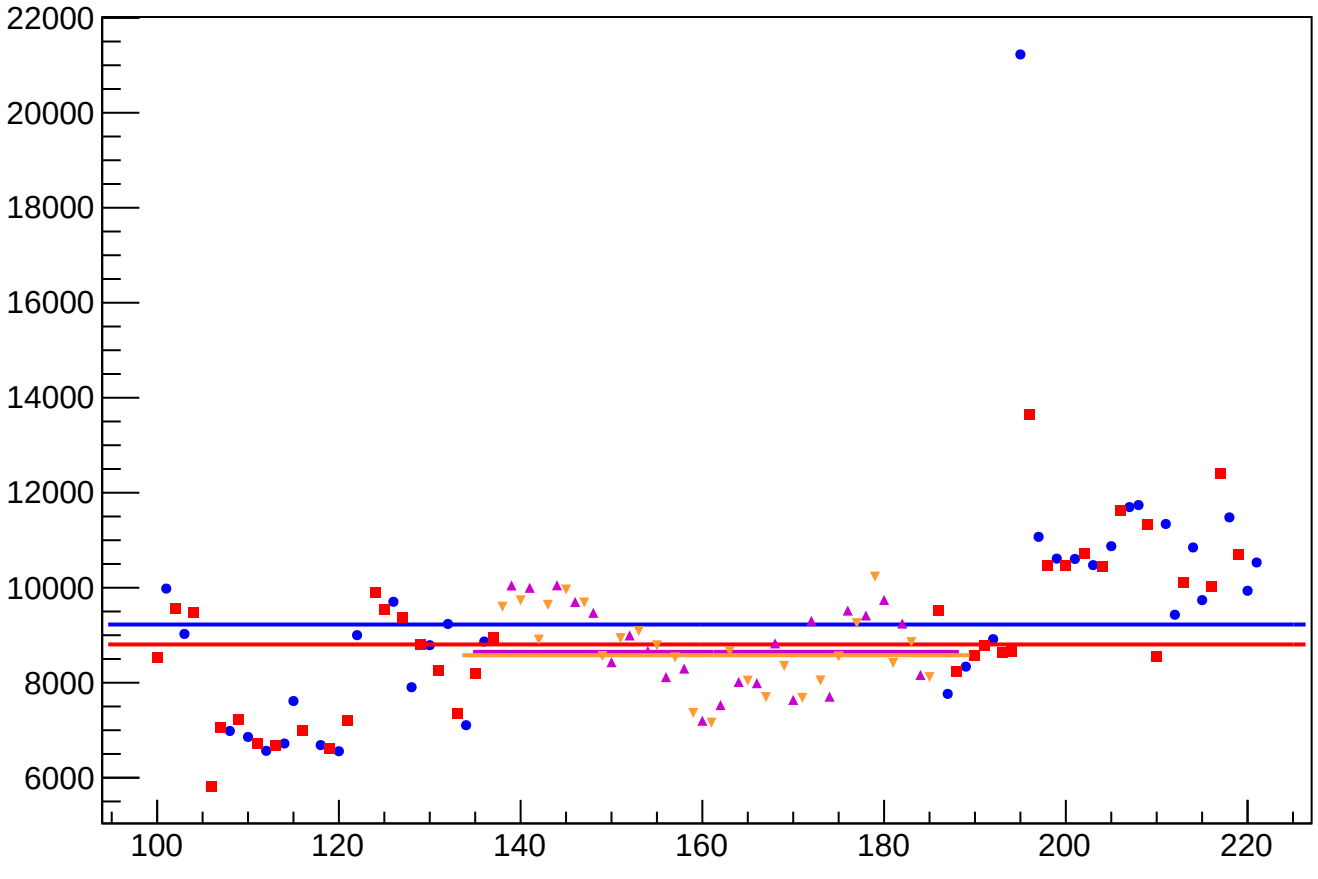
Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

Right: -0.781+/-1.402 χ^2/NDF: 958.0/70

In: -9.752+/-1.436 χ^2/NDF:389.2/56

Out: -1.322+/-1.385 χ^2/NDF:625.1/61

All: -5.387+/-0.997 χ^2/NDF: 1032.2/118



Right In: 9225.434+/-1.427 χ^2/NDF: 1880821.7/33

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8805.816+/-1.378 χ^2/NDF: 1554091.2/36

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

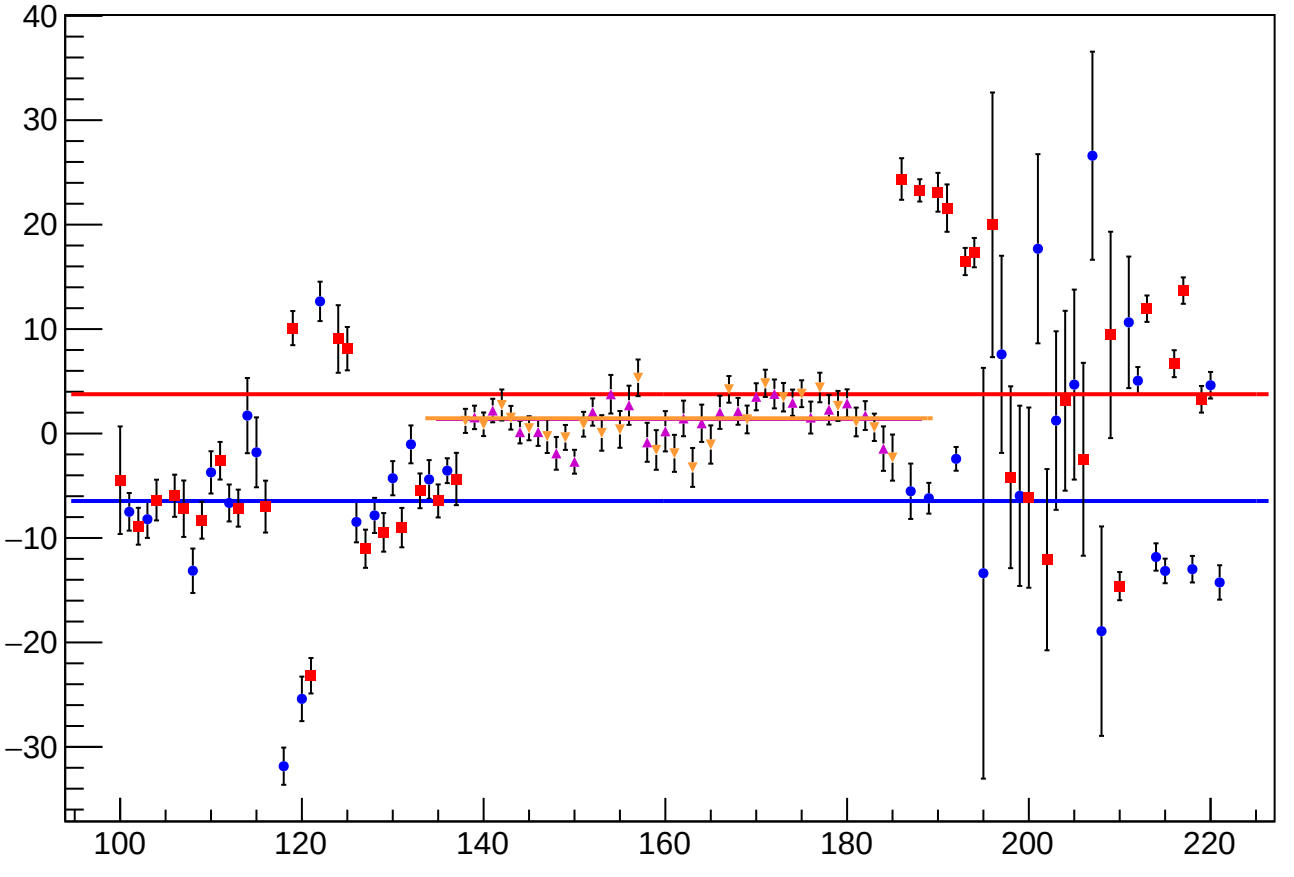
Right: 9008.368+/-0.991 χ^2/NDF: 3479644.0/70

In: 8940.802+/-1.015 χ^2/NDF:2339295.5/56

Out: 8693.253+/-0.980 χ^2/NDF:1911284.6/61

All: 8812.627+/-0.705 χ^2/NDF: 4281373.5/11

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: 3.764+/-0.305 χ^2/NDF: 1857.2/36

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

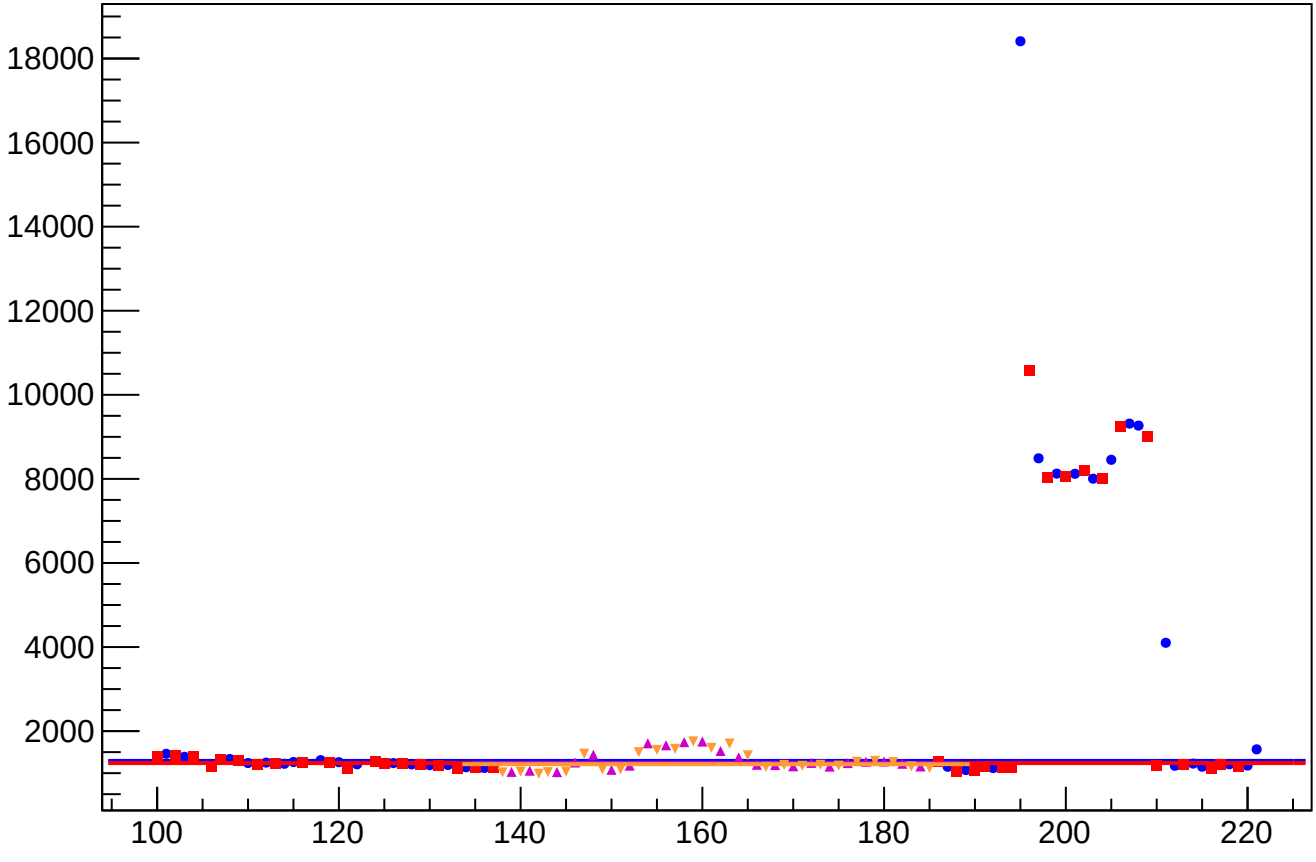
Right: -1.071+/-0.221 χ^2/NDF: 3110.0/70

In: -2.186+/-0.217 χ^2/NDF:1080.2/56

Out: 2.517+/-0.206 χ^2/NDF:1939.2/61

All: 0.285+/-0.150 χ^2/NDF: 3265.8/118

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: 1239.714+/-0.215 χ^2/NDF: 9039804.1/36

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

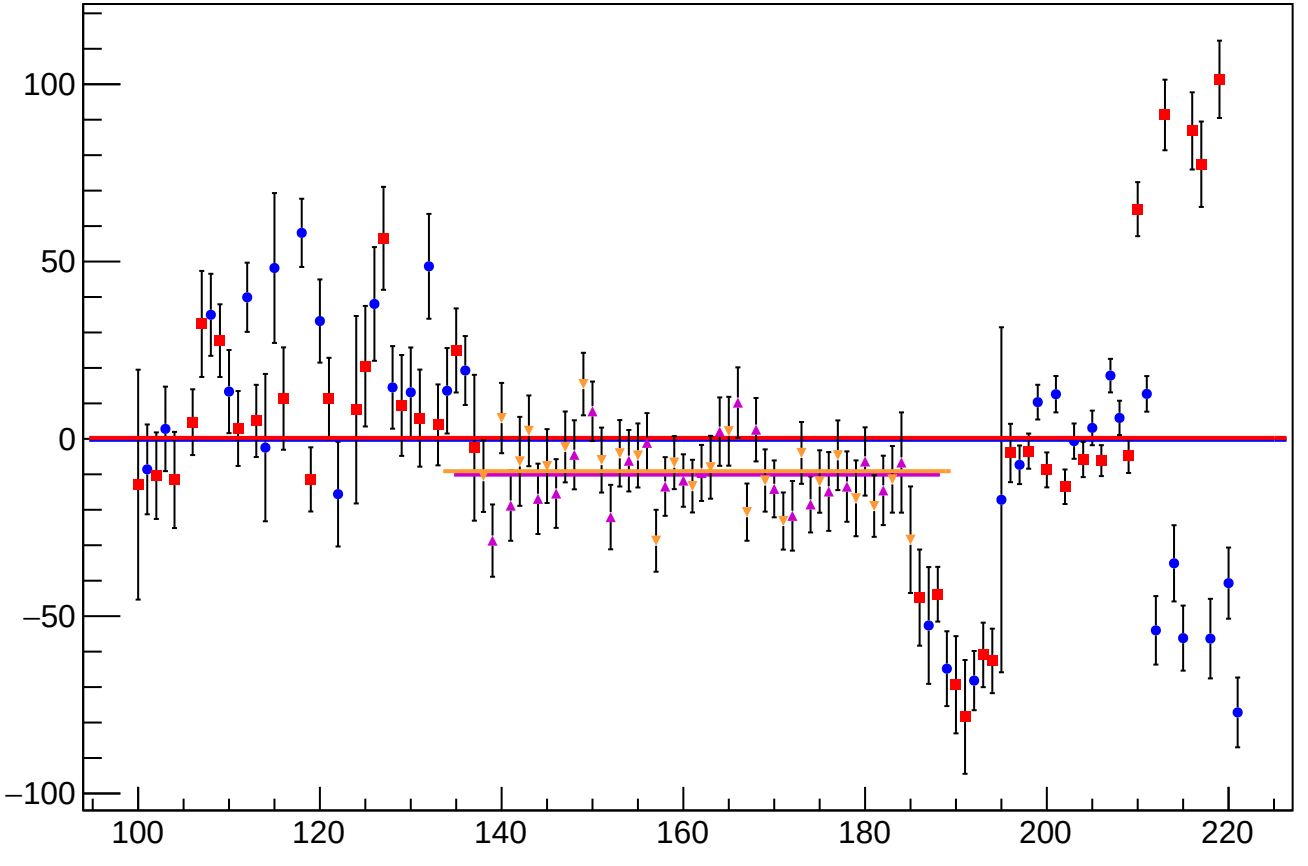
Right: 1264.127+/-0.156 χ^2/NDF: 19900099.1/70

In: 1262.934+/-0.154 χ^2/NDF:11747377.8/56

Out: 1225.395+/-0.146 χ^2/NDF:10060723.2/61

All: 1243.213+/-0.106 χ^2/NDF: 21839503.0/

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: 0.272+/-1.413 χ^2/NDF: 588.1/36

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

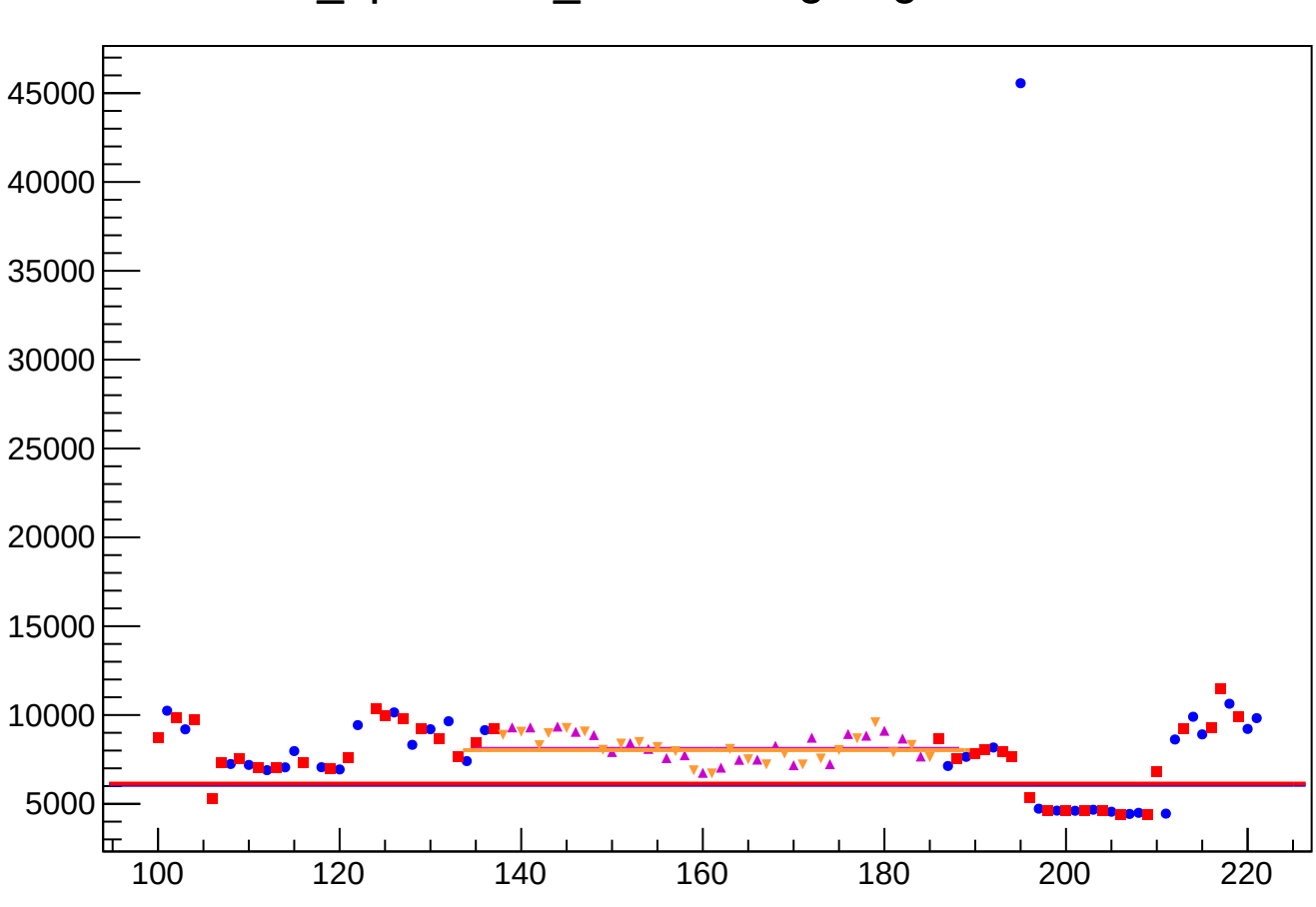
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: -0.003+/-0.992 χ^2/NDF: 1023.1/70

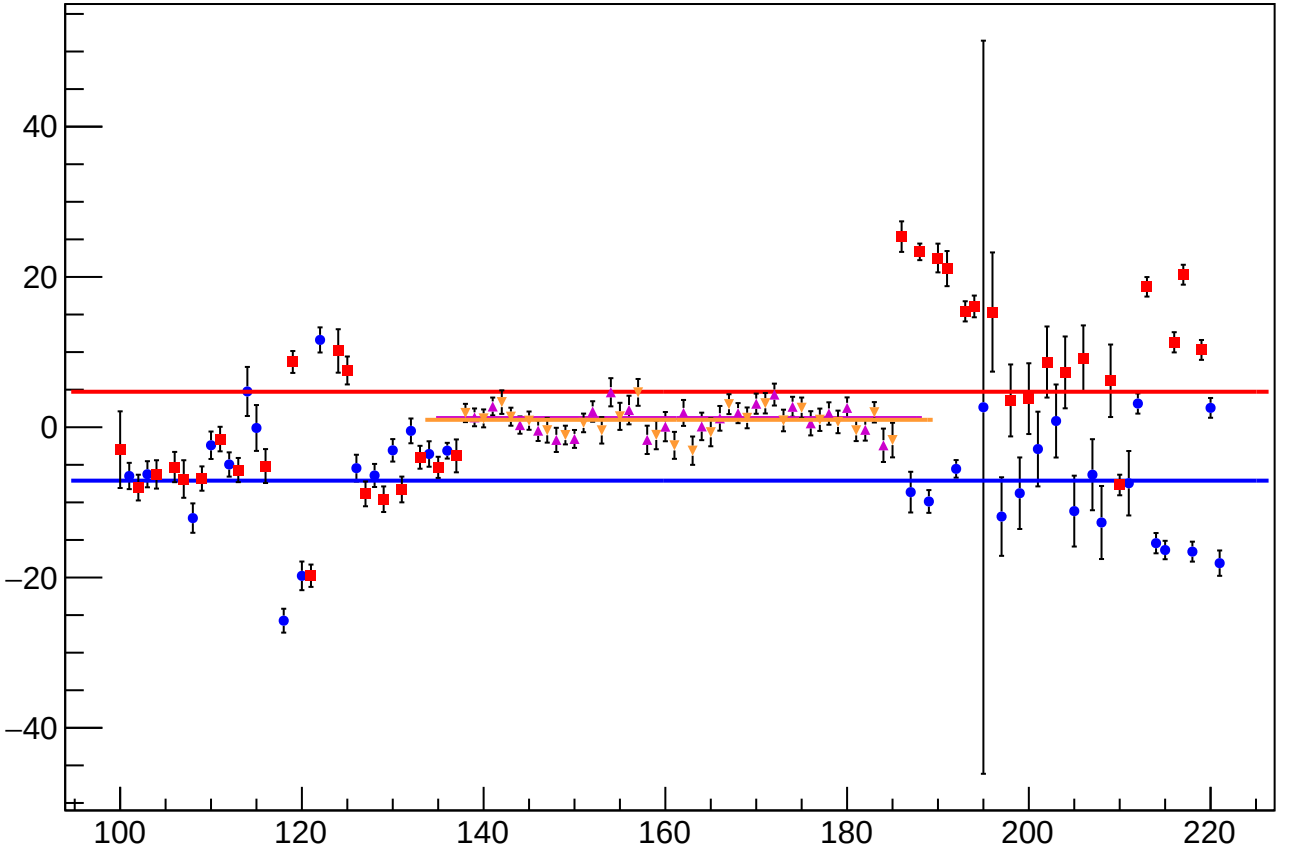
In: -3.680+/-1.126 χ^2/NDF:476.5/56

Out: -3.203+/-1.121 χ^2/NDF:633.2/61

All: -3.440+/-0.794 χ^2/NDF: 1109.8/118


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: 6138.822+/-0.999 χ²/NDF: 3816645.5/36
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 6106.531+/-0.701 χ²/NDF: 9424859.4/70
In: 6776.176+/-0.796 χ²/NDF:7432746.4/56
Out: 6838.306+/-0.793 χ²/NDF:5473372.7/61
All: 6807.373+/-0.562 χ²/NDF: 12909177.1/1

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: 4.724+/-0.294 χ^2/NDF: 1875.9/36

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

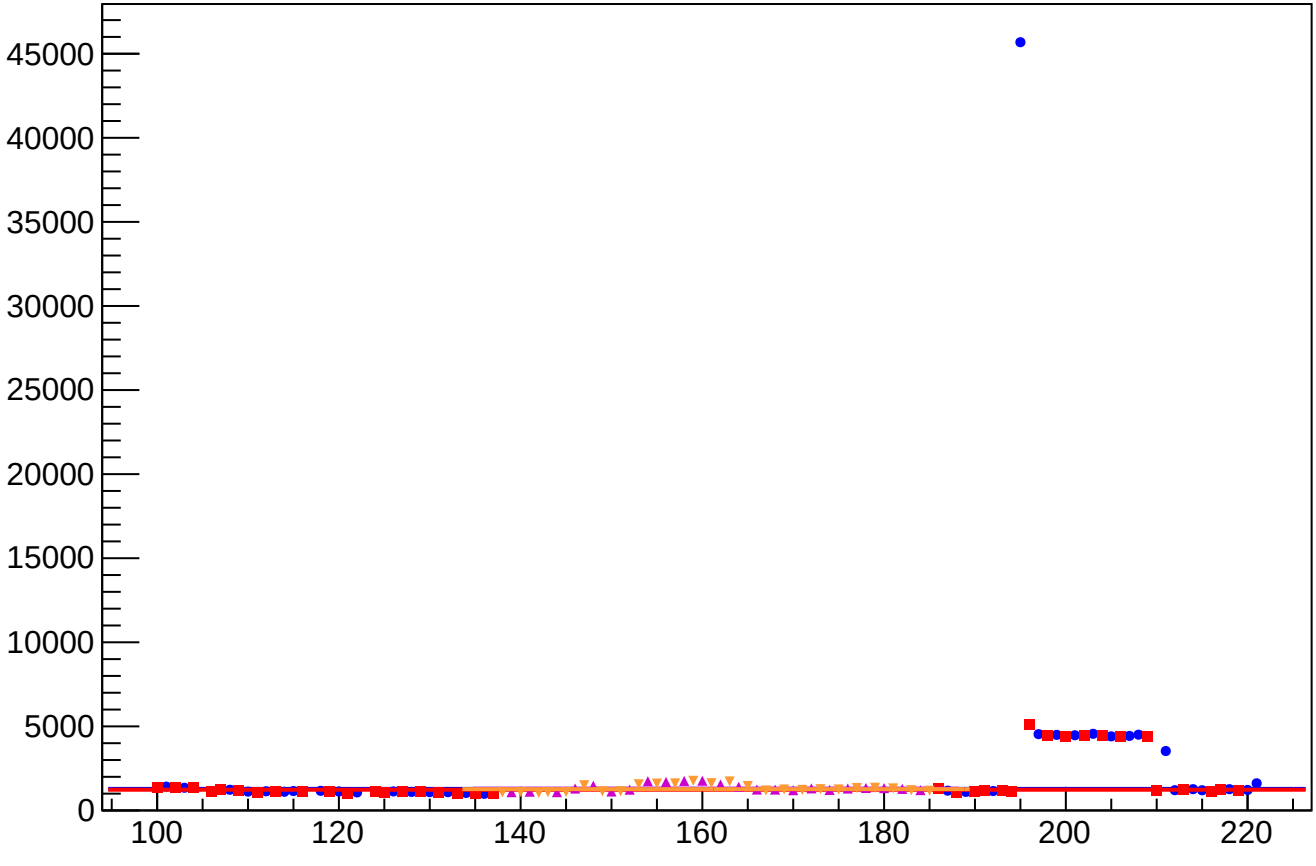
Right: -0.914+/-0.212 χ^2/NDF: 3346.5/70

In: -2.929+/-0.217 χ^2/NDF:1097.3/56

Out: 2.848+/-0.207 χ^2/NDF:1988.2/61

All: 0.096+/-0.150 χ^2/NDF: 3456.0/118

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: 1231.875+/-0.208 χ^2/NDF: 6411409.4/36

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

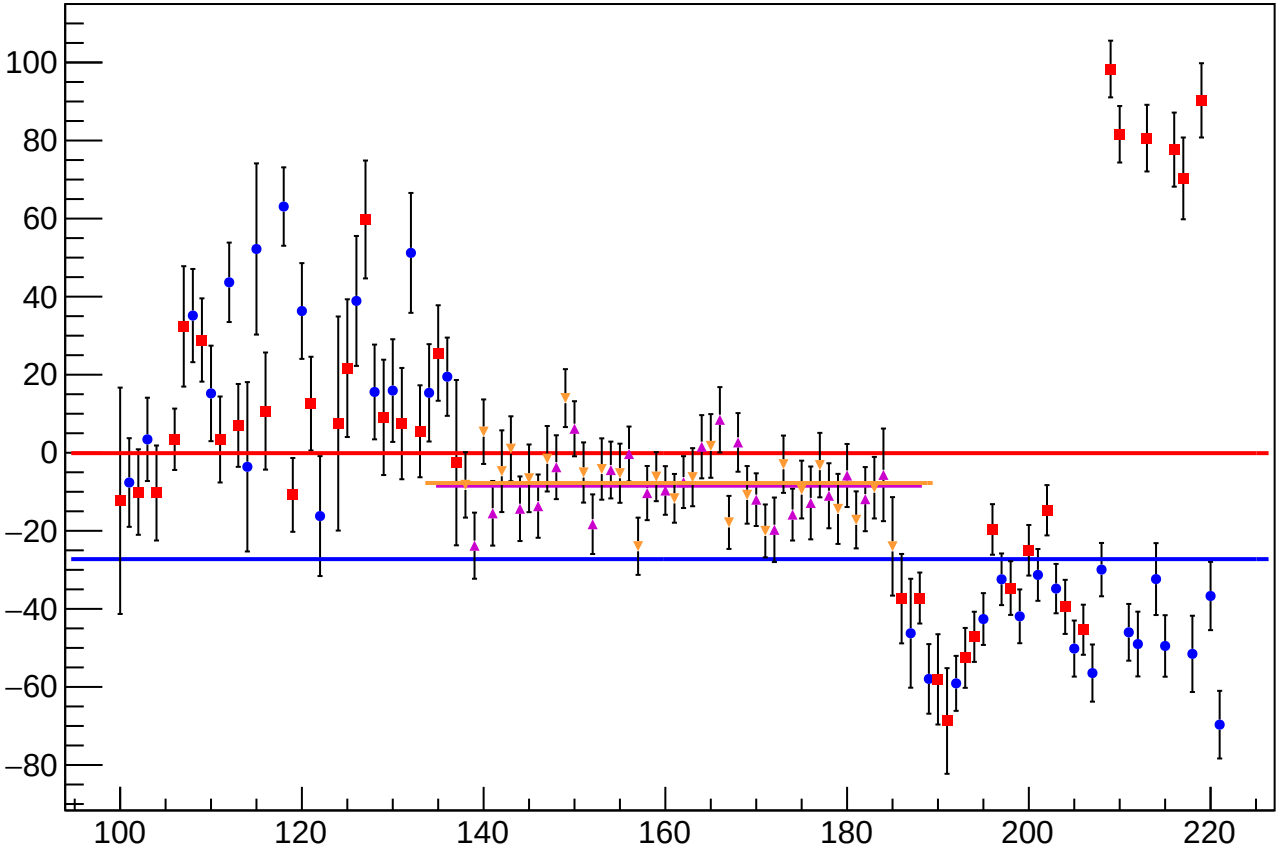
Right: 1255.545+/-0.150 χ^2/NDF: 15277158.6/70

In: 1287.834+/-0.154 χ^2/NDF:9598322.4/56

Out: 1249.714+/-0.146 χ^2/NDF:7304549.7/61

All: 1267.874+/-0.106 χ^2/NDF: 16935137.5/1

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: -0.100+/-1.532 χ^2/NDF: 973.1/36

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

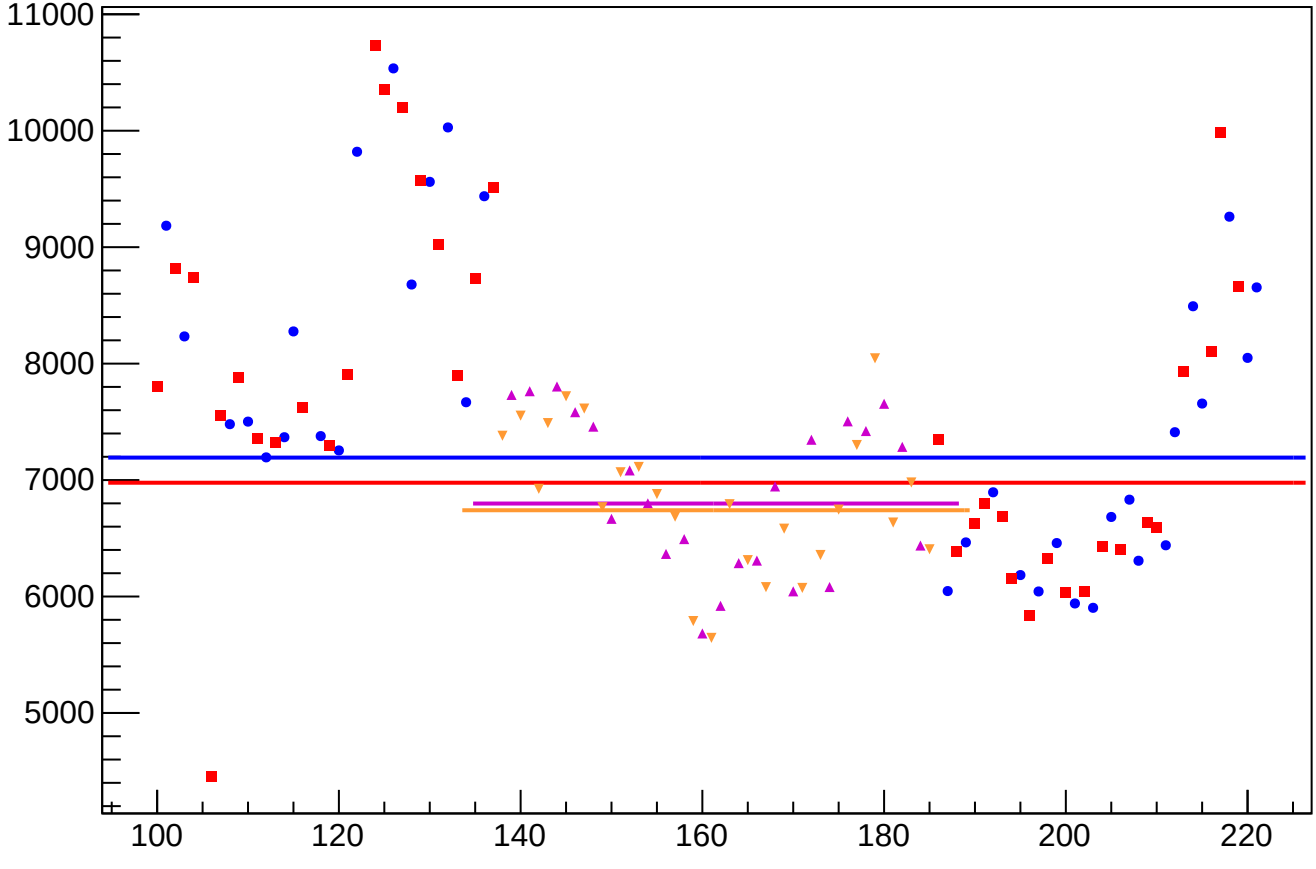
Right: -13.444+/-1.093 χ^2/NDF: 1573.4/70

In: -18.117+/-1.118 χ^2/NDF:541.5/56

Out: -3.891+/-1.089 χ^2/NDF:1015.9/61

All: -10.813+/-0.780 χ^2/NDF: 1640.5/118

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: 6977.189+/-1.084 χ^2/NDF: 1271884.8/36

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

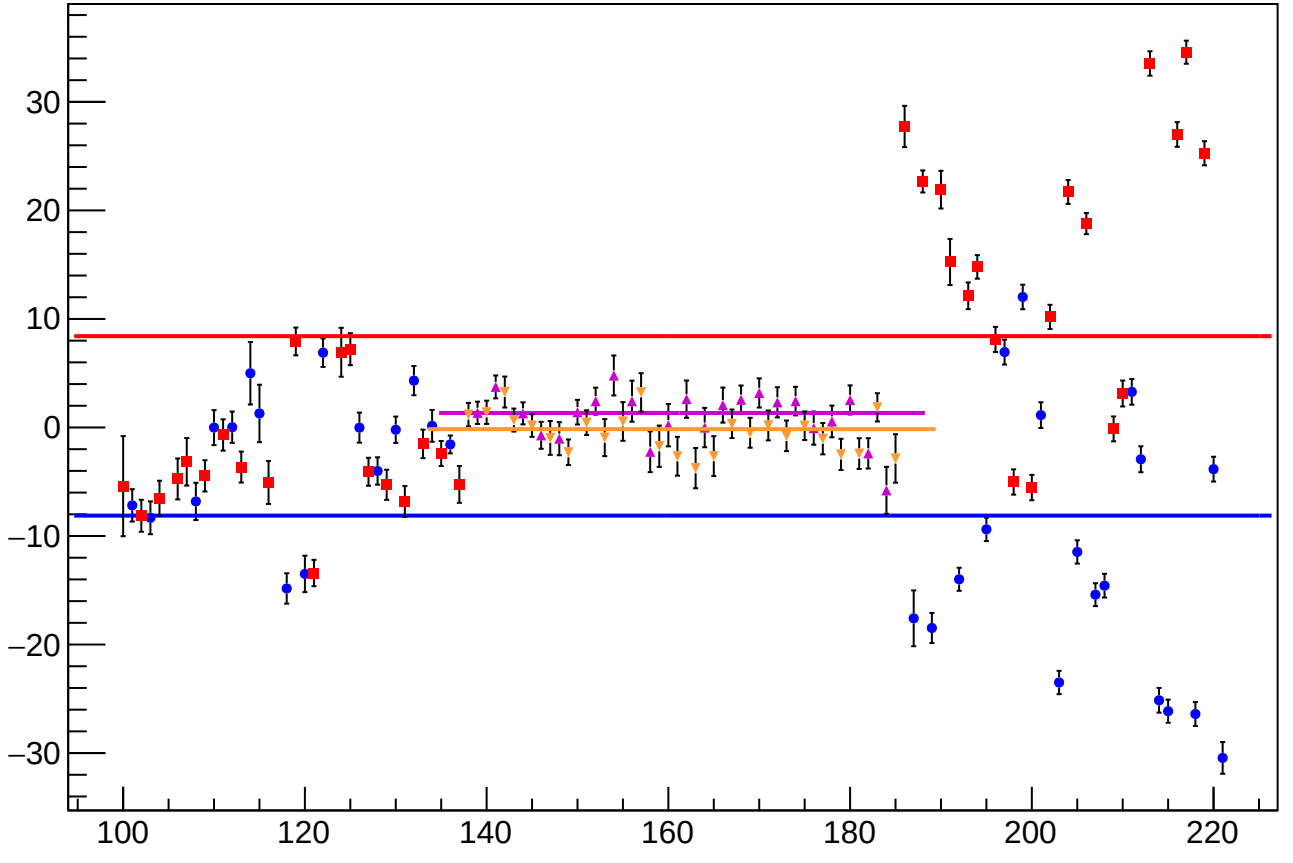
Right: 7083.248+/-0.773 χ^2/NDF: 2383206.6/70

In: 7001.465+/-0.791 χ^2/NDF:1507288.2/56

Out: 6860.103+/-0.770 χ^2/NDF:1612162.4/61

All: 6928.888+/-0.552 χ^2/NDF: 3135862.3/11

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: 8.414+/-0.217 χ^2/NDF: 4006.0/36

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

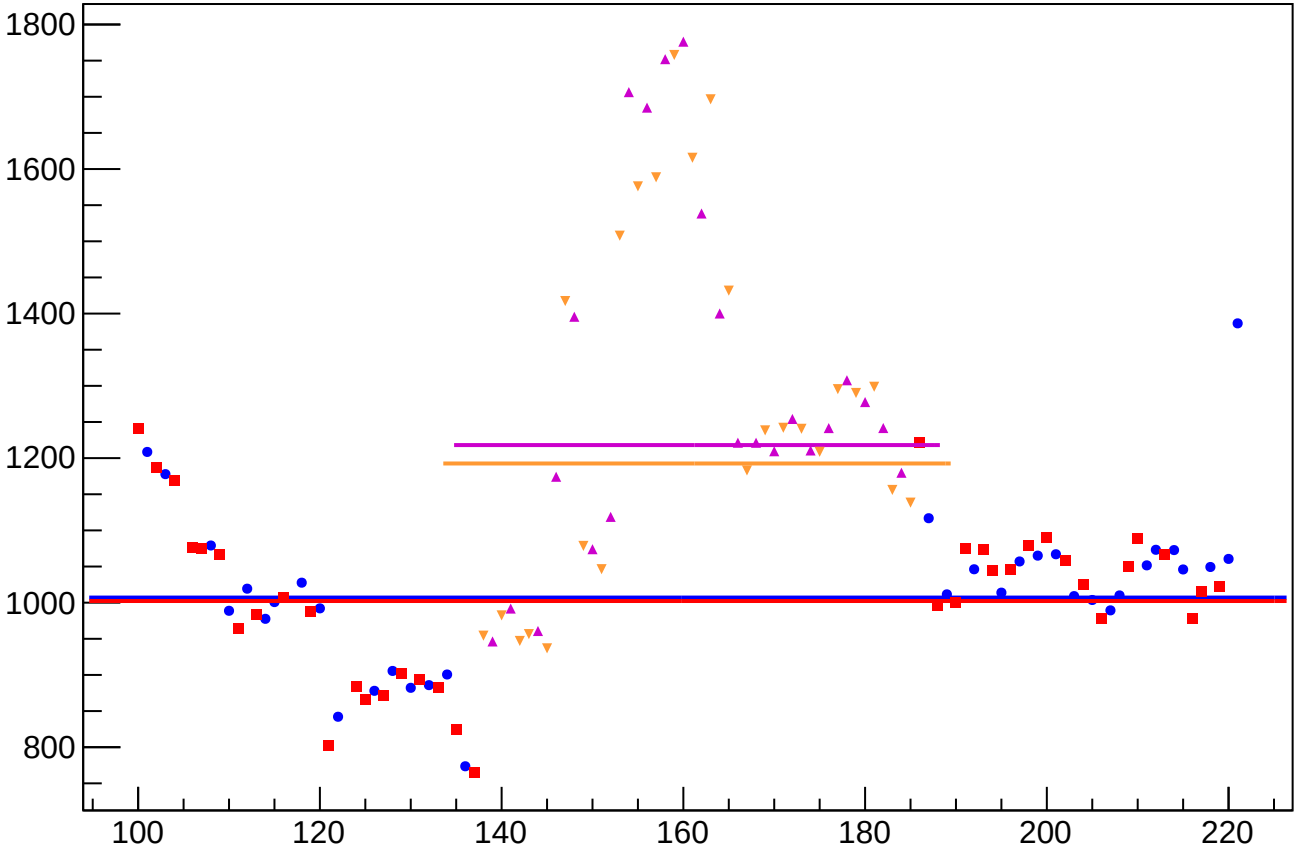
Right: 0.120+/-0.153 χ^2/NDF: 9538.9/70

In: -4.745+/-0.173 χ^2/NDF:3344.4/56

Out: 5.154+/-0.171 χ^2/NDF:4635.7/61

All: 0.281+/-0.122 χ^2/NDF: 9635.8/118

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: 1002.296+/-0.153 χ^2/NDF: 384142.2/36

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

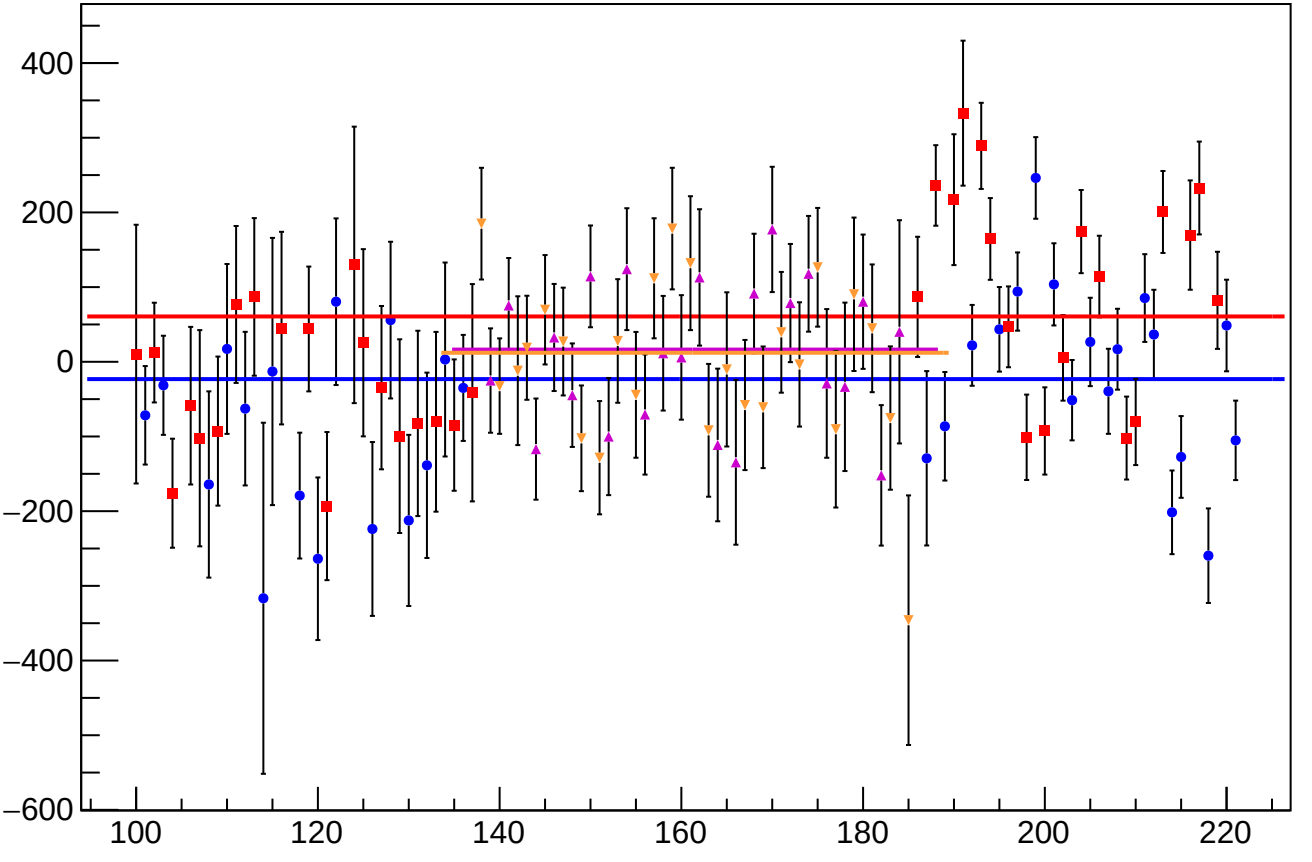
Right: 1004.681+/-0.108 χ^2/NDF: 904643.4/70

In: 1082.368+/-0.123 χ^2/NDF:2328071.5/56

Out: 1074.701+/-0.121 χ^2/NDF:2290233.8/61

All: 1078.475+/-0.086 χ^2/NDF: 4620292.0/11

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: 60.714+/-12.284 χ^2/NDF: 124.3/36

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

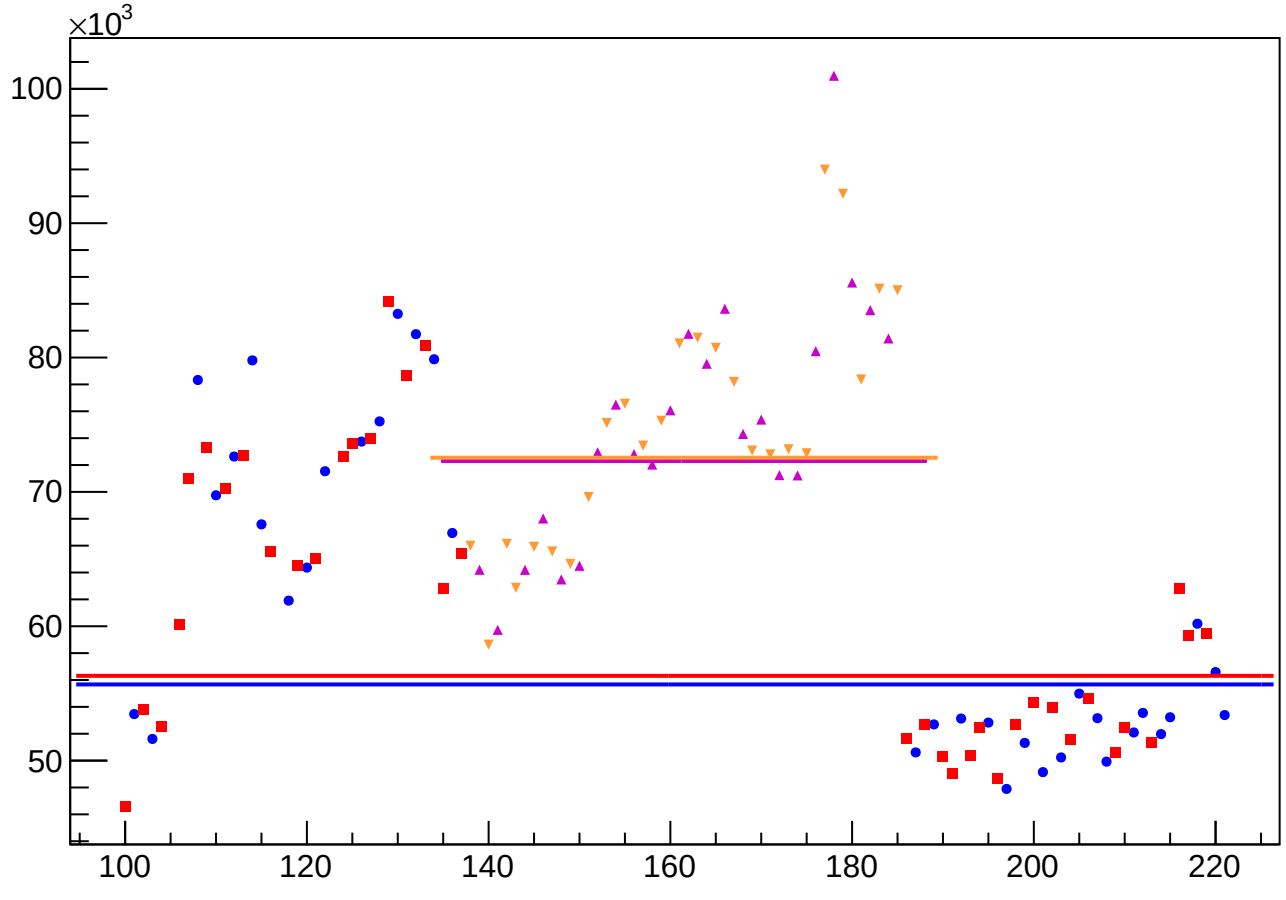
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 17.835+/-8.589 χ^2/NDF: 244.0/70

In: -10.032+/-9.814 χ^2/NDF:128.1/56

Out: 43.516+/-9.876 χ^2/NDF:162.6/61

All: 16.574+/-6.962 χ^2/NDF: 305.6/118



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: 56310.453+/-8.686 χ^2/NDF: 798144.1/36

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

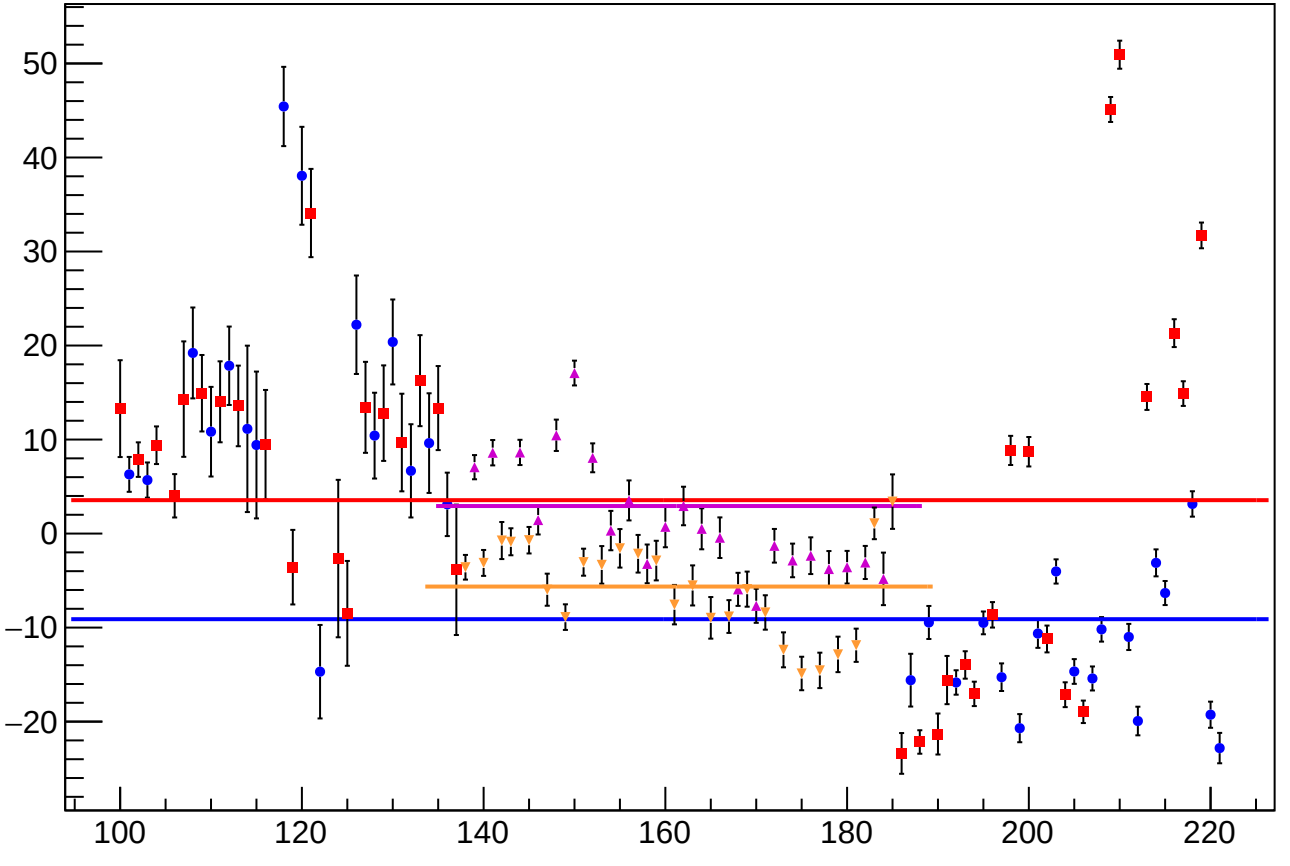
Right: 55982.902+/-6.073 χ^2/NDF: 1683318.3/70

In: 61201.093+/-6.940 χ^2/NDF:2645982.7/56

Out: 62051.345+/-6.984 χ^2/NDF:2533362.2/61

All: 61623.546+/-4.923 χ^2/NDF: 5186803.0/1

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: 3.553+/-0.318 χ^2/NDF: 4776.5/36

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

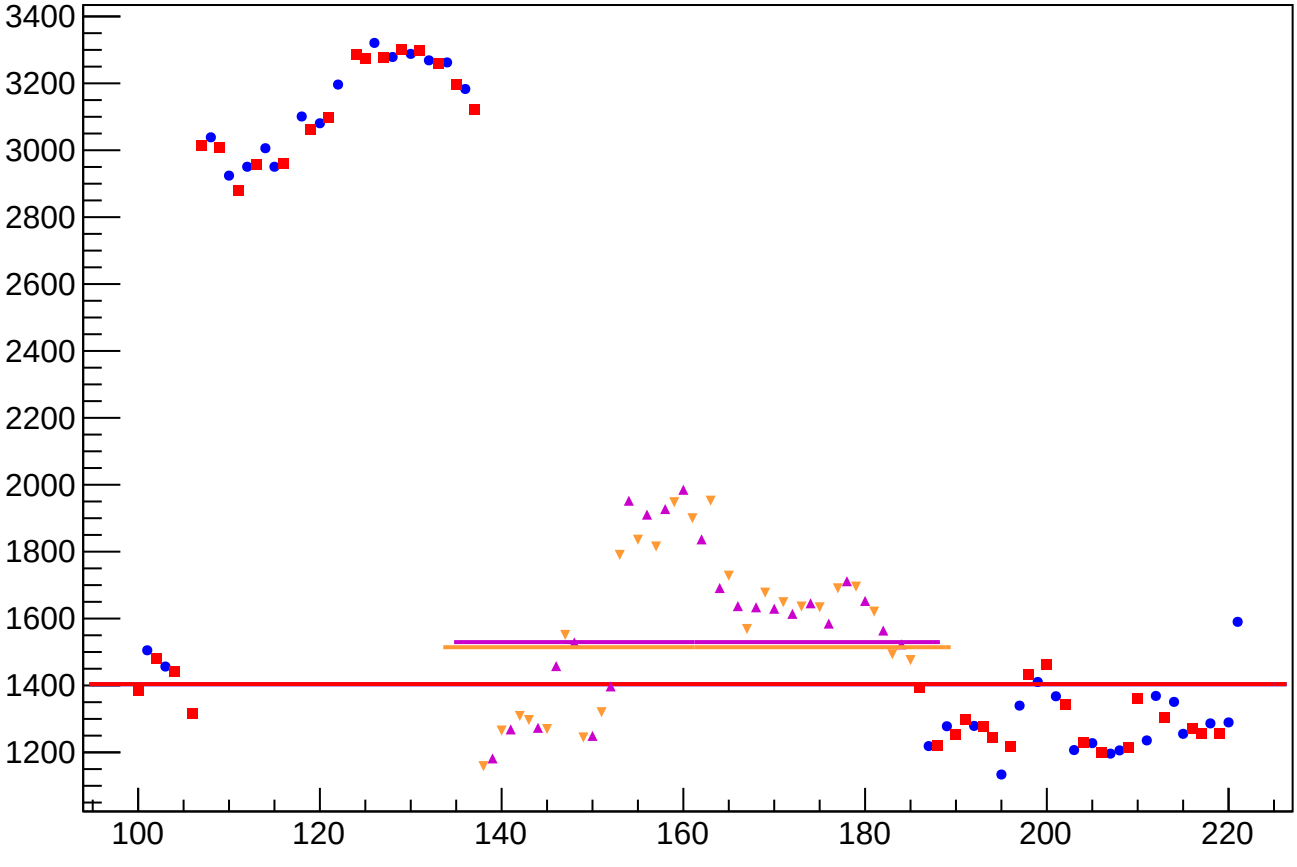
Right: -2.844+/-0.223 χ^2/NDF: 6649.6/70

In: -3.938+/-0.237 χ^2/NDF:2037.6/56

Out: -0.610+/-0.235 χ^2/NDF:5333.8/61

All: -2.257+/-0.167 χ^2/NDF: 7470.7/118

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: 1404.020+/-0.225 χ^2/NDF: 3971998.8/36

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

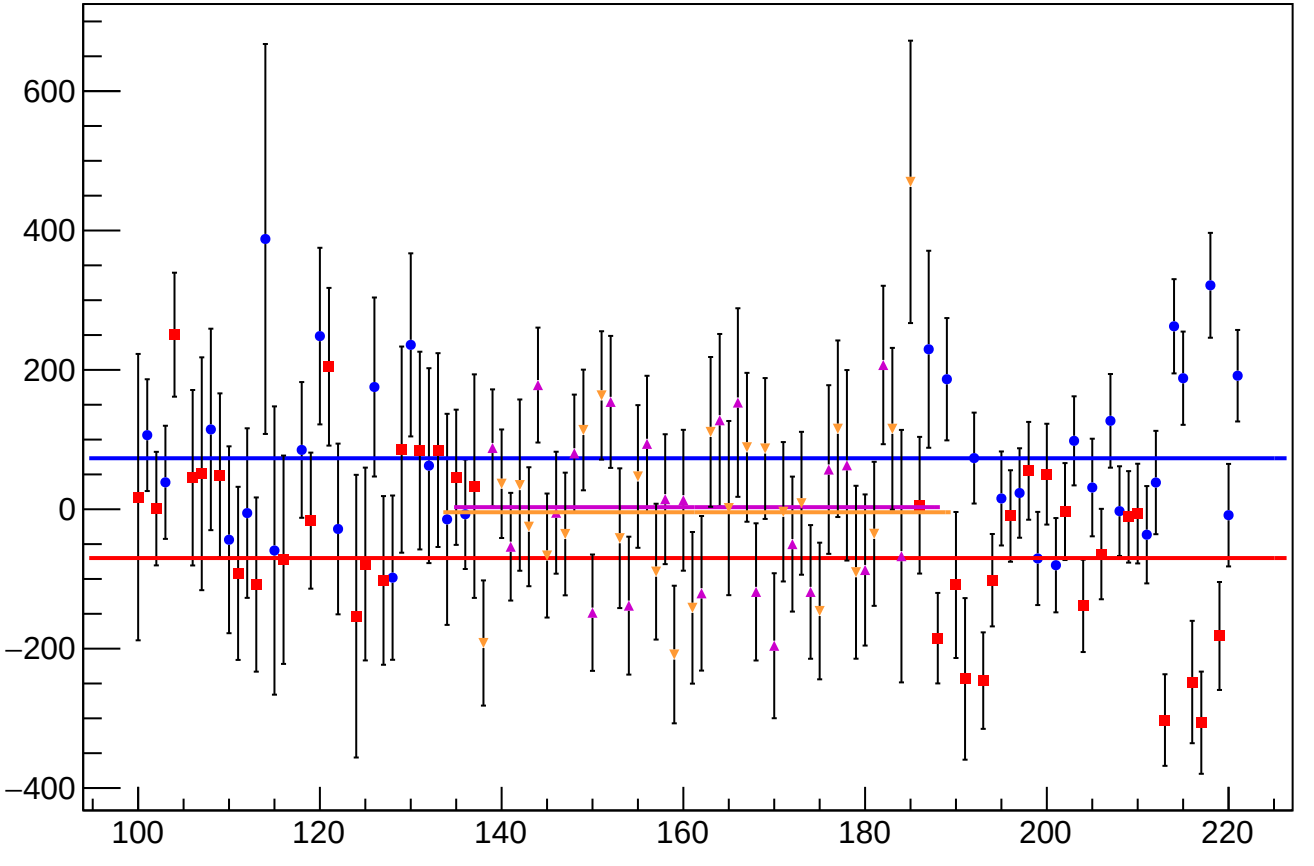
Right: 1403.773+/-0.158 χ^2/NDF: 8099658.2/70

In: 1457.686+/-0.168 χ^2/NDF:5094399.8/56

Out: 1454.000+/-0.166 χ^2/NDF:5014598.4/61

All: 1455.824+/-0.118 χ^2/NDF: 10109241.8/1

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: -70.006+/-14.667 χ^2/NDF: 80.5/36

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

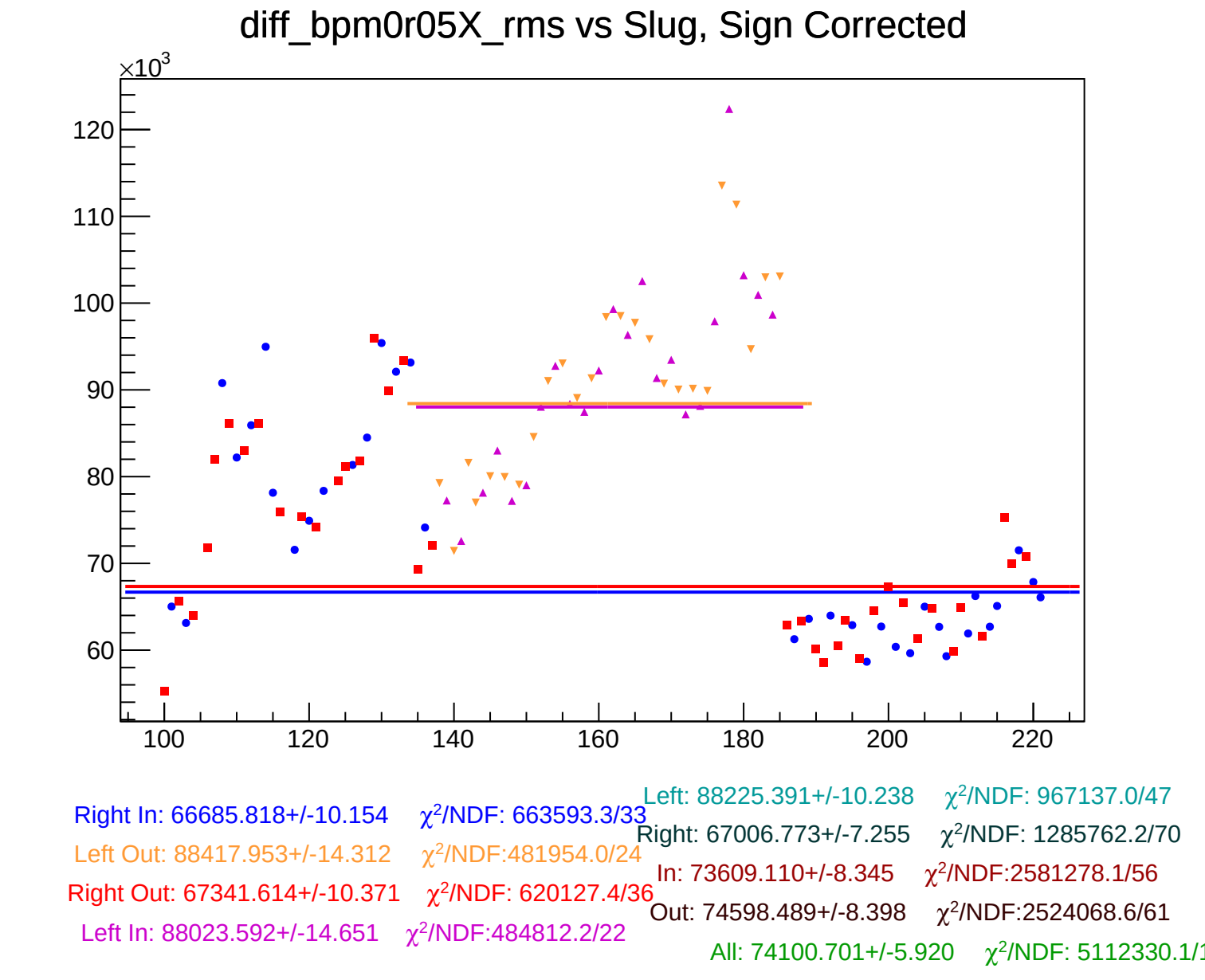
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 3.121+/-10.261 χ^2/NDF: 186.2/70

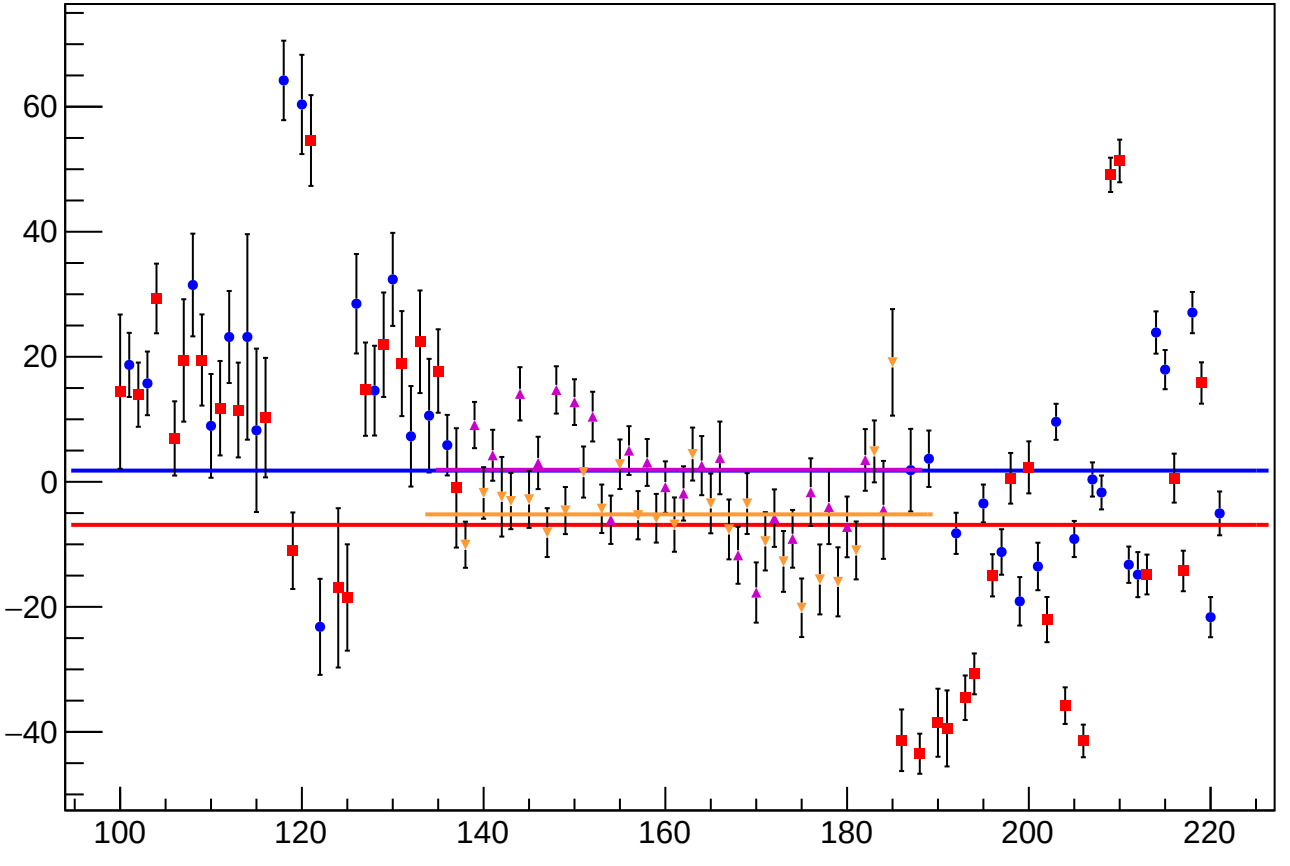
In: 50.439+/-11.802 χ^2/NDF:95.4/56

Out: -47.374+/-11.876 χ^2/NDF:117.9/61

All: 1.839+/-8.372 χ^2/NDF: 247.4/118


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: 67341.614+/-10.371 χ²/NDF: 620127.4/36
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 67006.773+/-7.255 χ²/NDF: 1285762.2/70
In: 73609.110+/-8.345 χ²/NDF:2581278.1/56
Out: 74598.489+/-8.398 χ²/NDF:2524068.6/61
All: 74100.701+/-5.920 χ²/NDF: 5112330.1/1

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: -6.882+/-0.740 χ^2/NDF: 1664.0/36

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

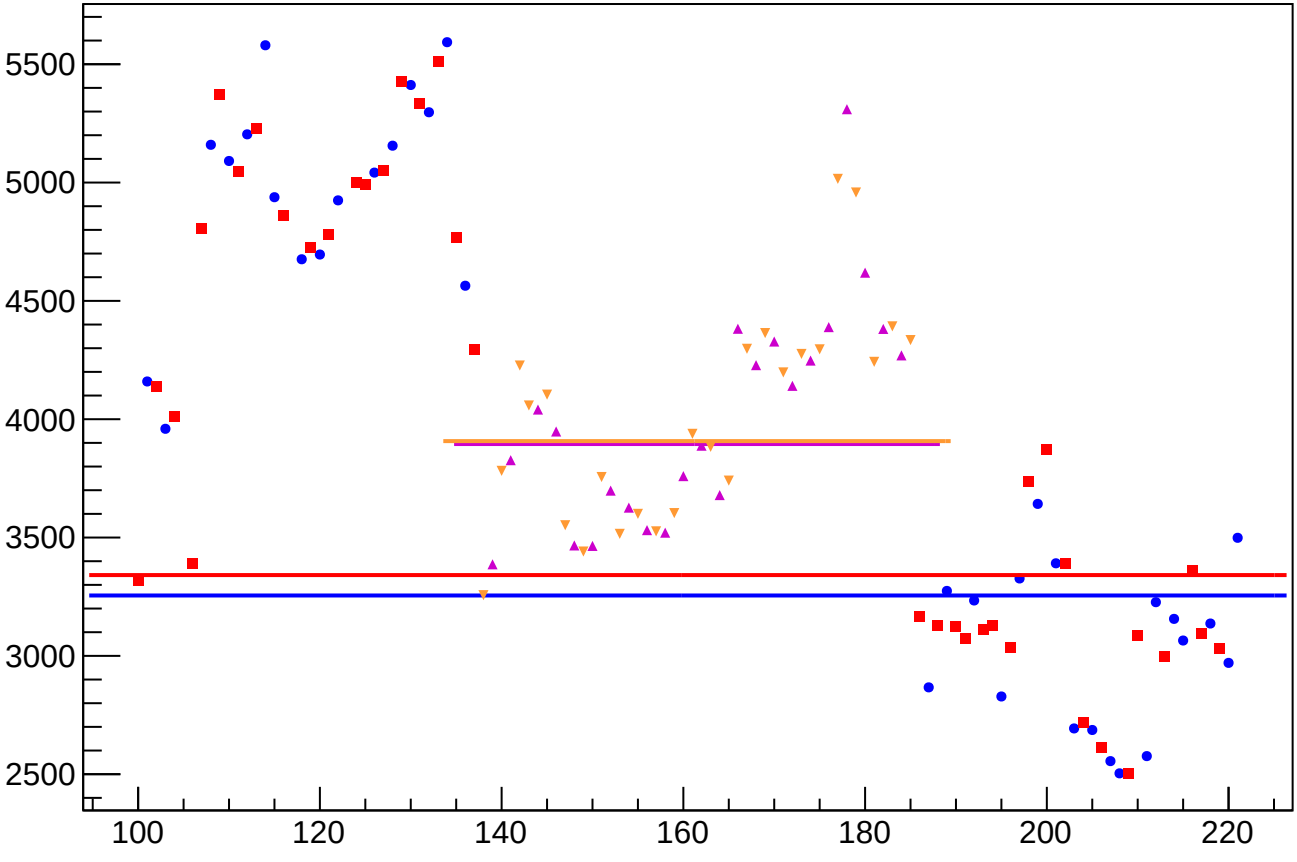
Right: -2.387+/-0.513 χ^2/NDF: 2300.2/70

In: 1.844+/-0.563 χ^2/NDF:648.1/56

Out: -6.201+/-0.570 χ^2/NDF:1717.1/61

All: -2.129+/-0.400 χ^2/NDF: 2466.1/118

diff_bpm0r05Y_rms vs Slug, Sign Corrected



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: 3341.408+/-0.523 χ^2/NDF: 2036514.1/36

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

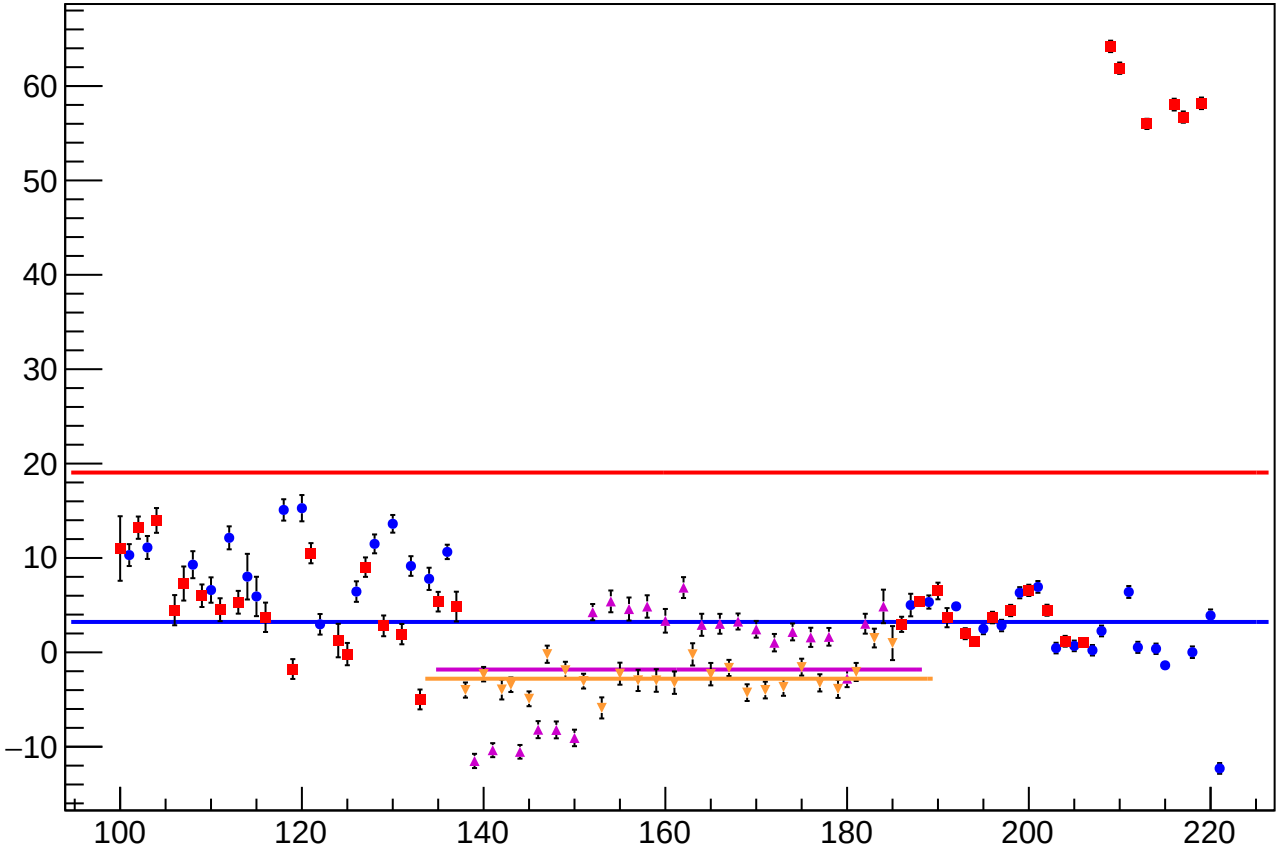
Right: 3296.733+/-0.363 χ^2/NDF: 4301112.3/70

In: 3496.686+/-0.398 χ^2/NDF:3267805.2/56

Out: 3571.462+/-0.403 χ^2/NDF:2953830.1/61

All: 3533.616+/-0.283 χ^2/NDF: 6239065.7/11

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: 19.050+/-0.128 χ^2/NDF: 38134.9/36

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

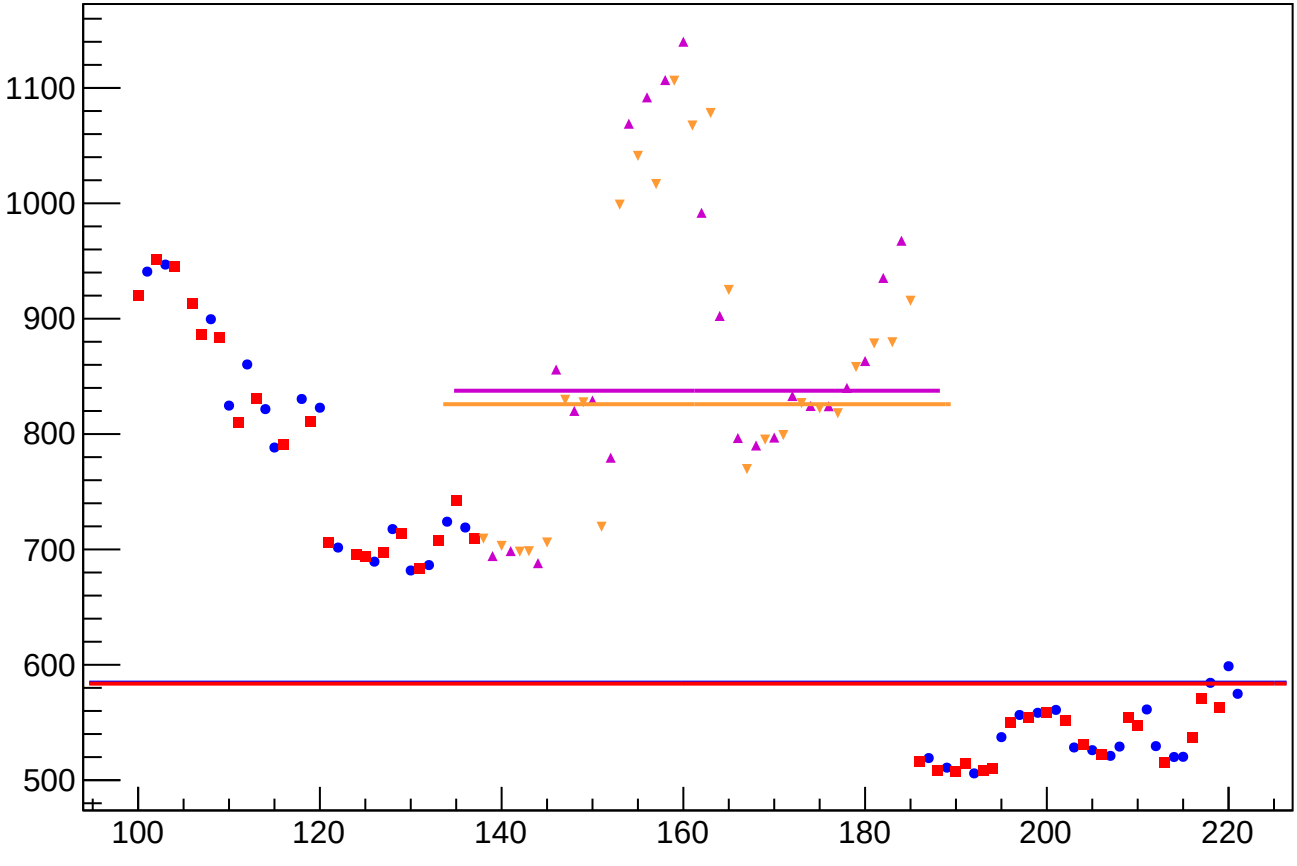
Right: 11.041+/-0.090 χ^2/NDF: 47671.5/70

In: 1.766+/-0.106 χ^2/NDF:3257.5/56

Out: 12.252+/-0.106 χ^2/NDF:47299.1/61

All: 7.030+/-0.075 χ^2/NDF: 55425.6/118

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: 583.691+/-0.090 χ^2/NDF: 1400539.1/36

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

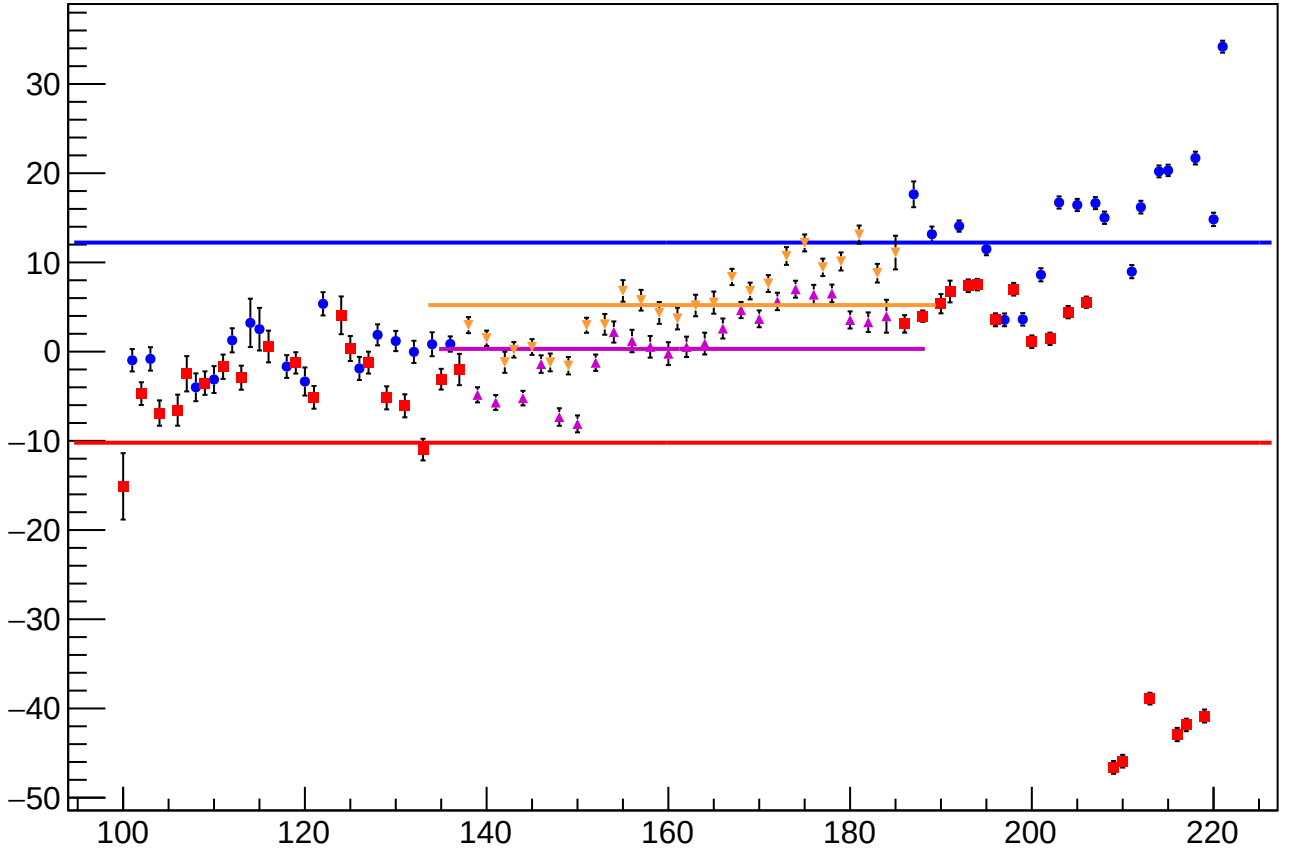
Right: 584.129+/-0.064 χ^2/NDF: 2693975.7/70

In: 657.600+/-0.075 χ^2/NDF:4326568.5/56

Out: 659.072+/-0.075 χ^2/NDF:4402167.7/61

All: 658.339+/-0.053 χ^2/NDF: 8728928.2/118

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: -10.209+/-0.152 χ^2/NDF: 18232.5/36

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

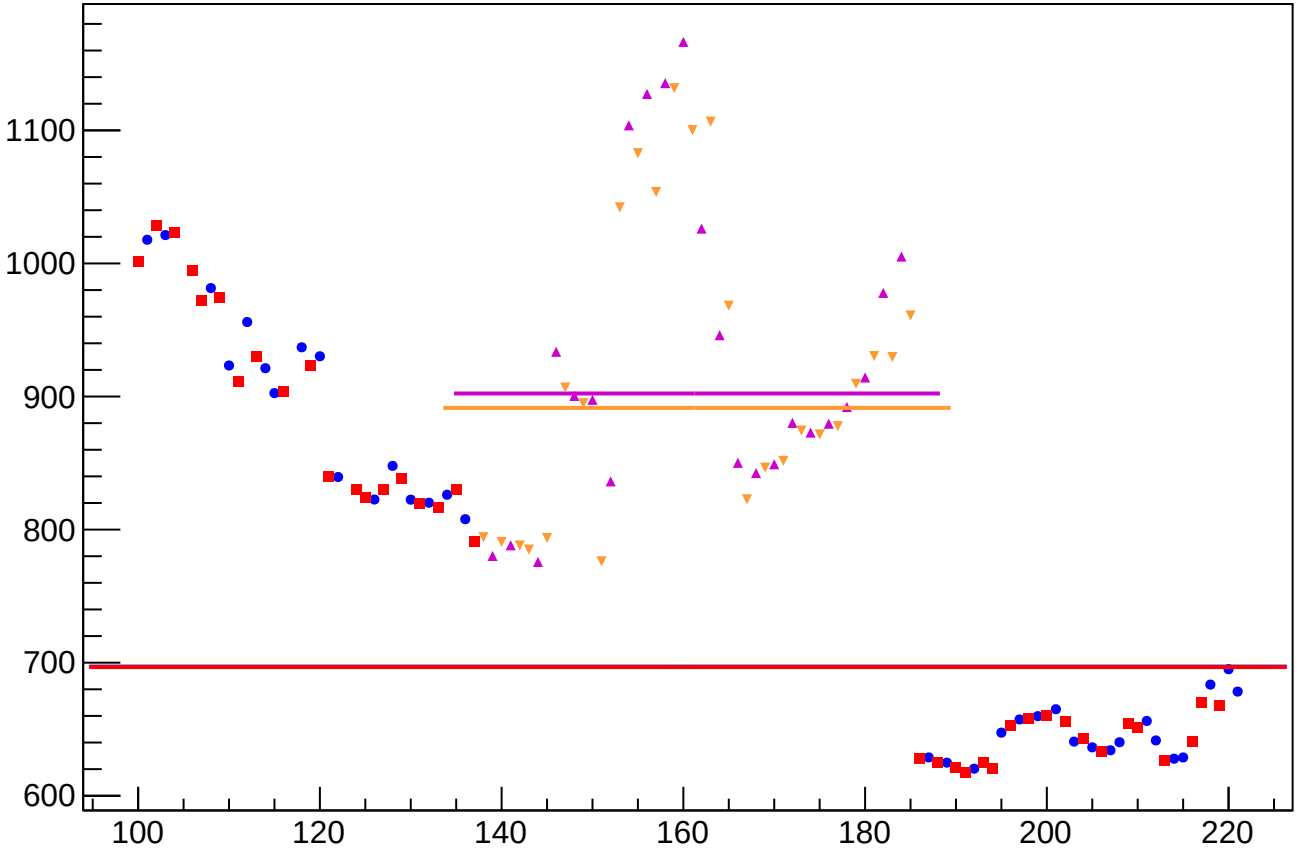
Right: 1.150+/-0.107 χ^2/NDF: 32772.1/70

In: 8.266+/-0.123 χ^2/NDF:6084.1/56

Out: -4.721+/-0.122 χ^2/NDF:22354.1/61

All: 1.738+/-0.086 χ^2/NDF: 34083.2/118

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: 696.708+/-0.107 χ^2/NDF: 1031488.8/36

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

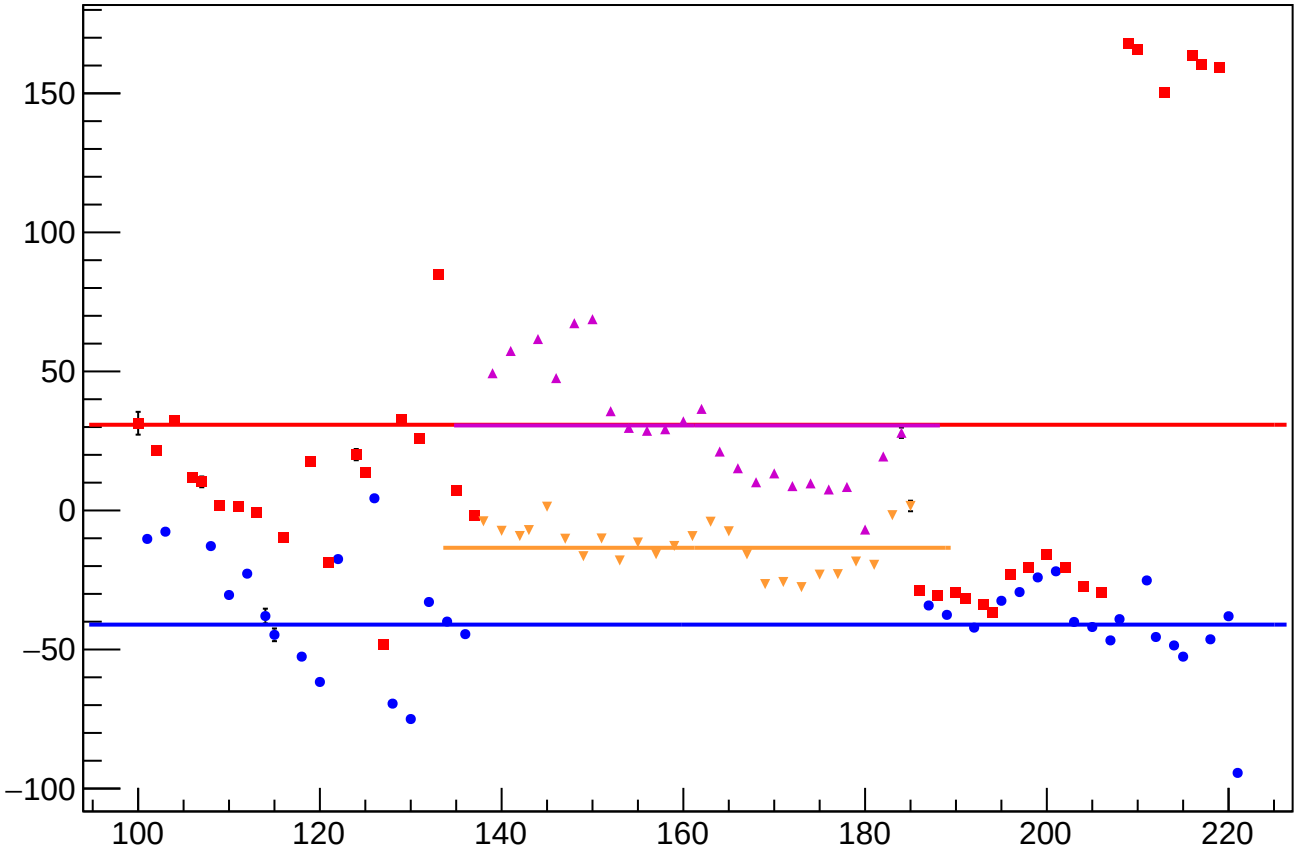
Right: 696.874+/-0.075 χ^2/NDF: 1982759.2/70

In: 765.200+/-0.087 χ^2/NDF:2680631.7/56

Out: 766.003+/-0.086 χ^2/NDF:2719732.2/61

All: 765.604+/-0.061 χ^2/NDF: 5400407.0/118

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: 30.821+/-0.150 χ^2/NDF: 286922.4/36

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

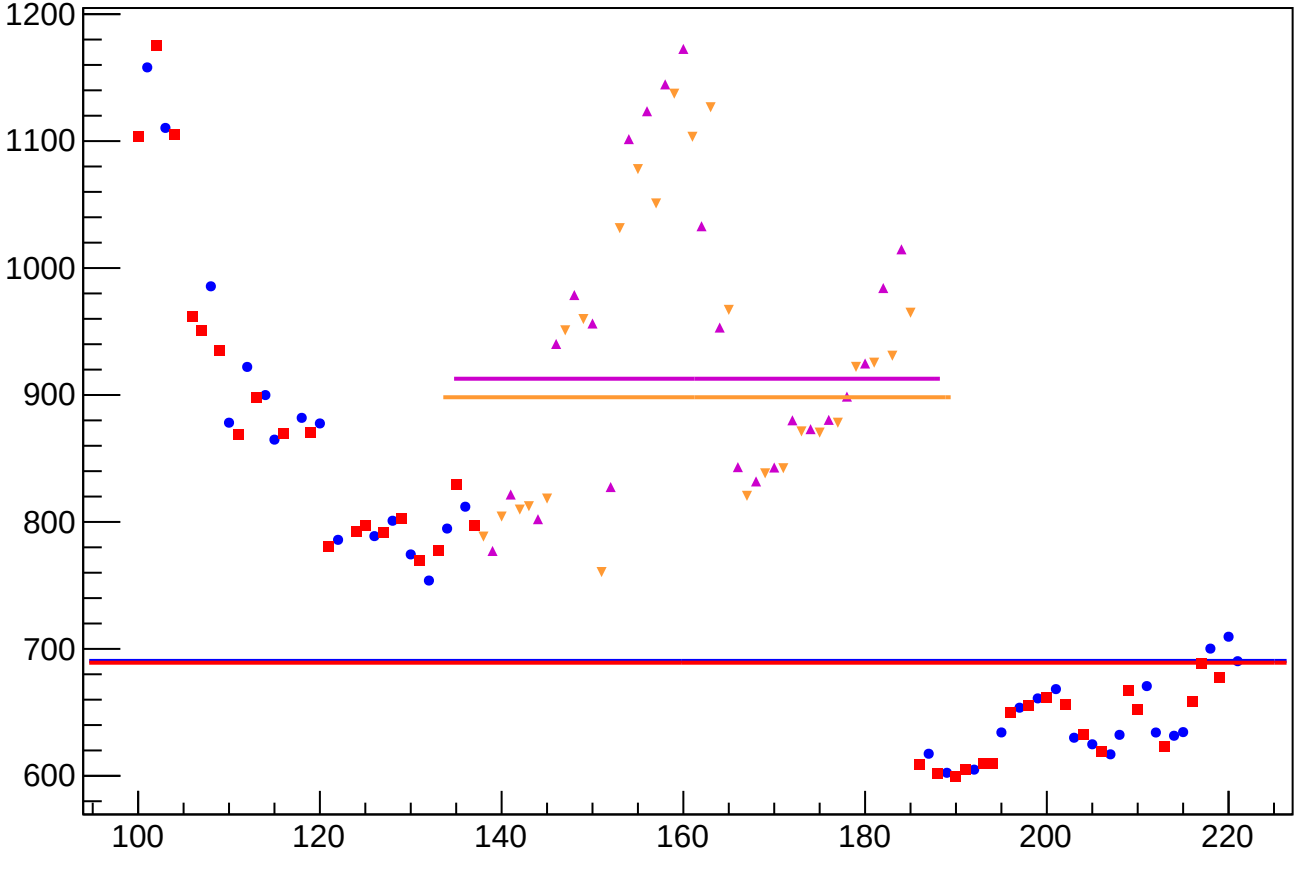
Right: -5.510+/-0.106 χ^2/NDF: 416818.7/70

In: -17.923+/-0.122 χ^2/NDF:99612.7/56

Out: 15.456+/-0.121 χ^2/NDF:318703.4/61

All: -1.111+/-0.086 χ^2/NDF: 455854.1/118

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: 689.113+/-0.106 χ^2/NDF: 1063574.1/36

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

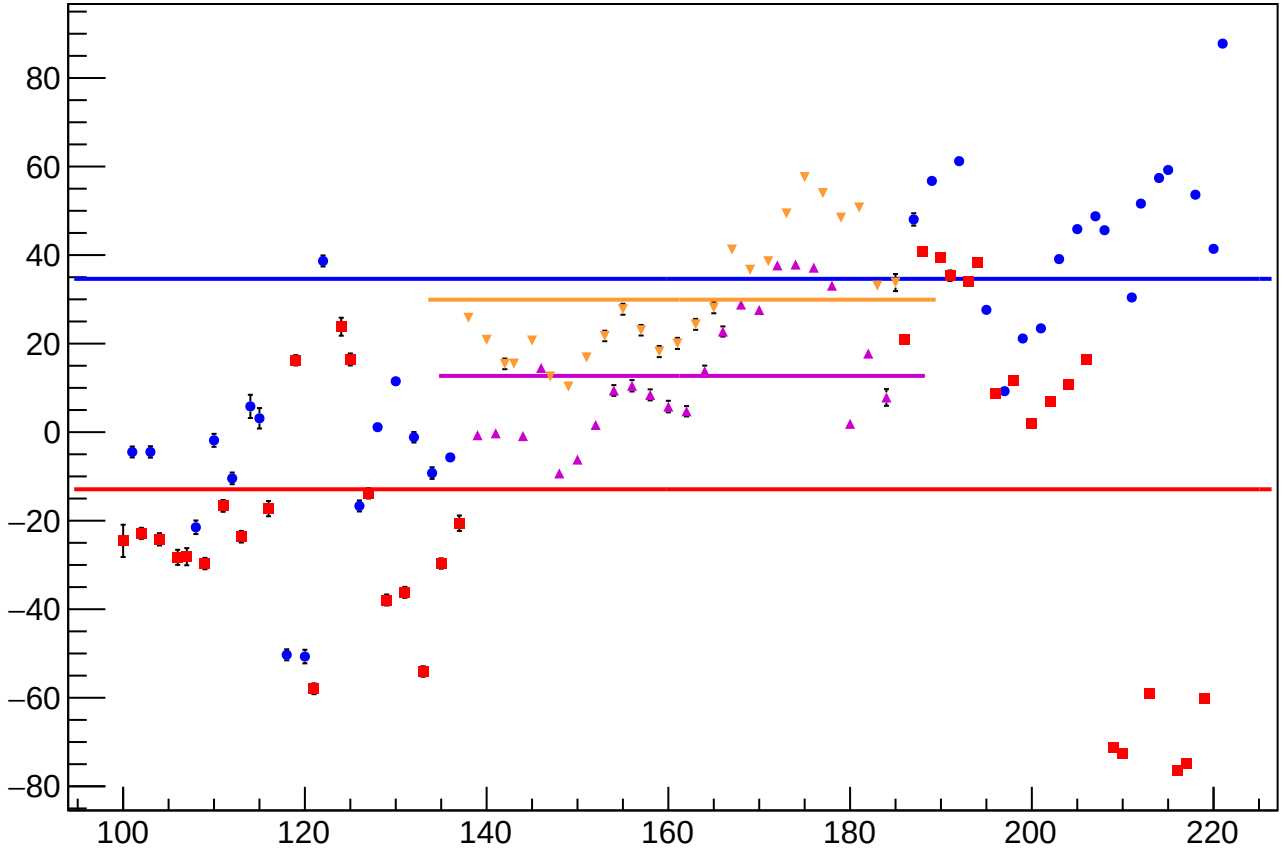
Right: 689.827+/-0.075 χ^2/NDF: 2054564.5/70

In: 762.300+/-0.086 χ^2/NDF:2916224.0/56

Out: 761.739+/-0.086 χ^2/NDF:2927713.9/61

All: 762.017+/-0.061 χ^2/NDF: 5843959.1/118

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: -12.904+/-0.148 χ^2/NDF: 76642.5/36

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

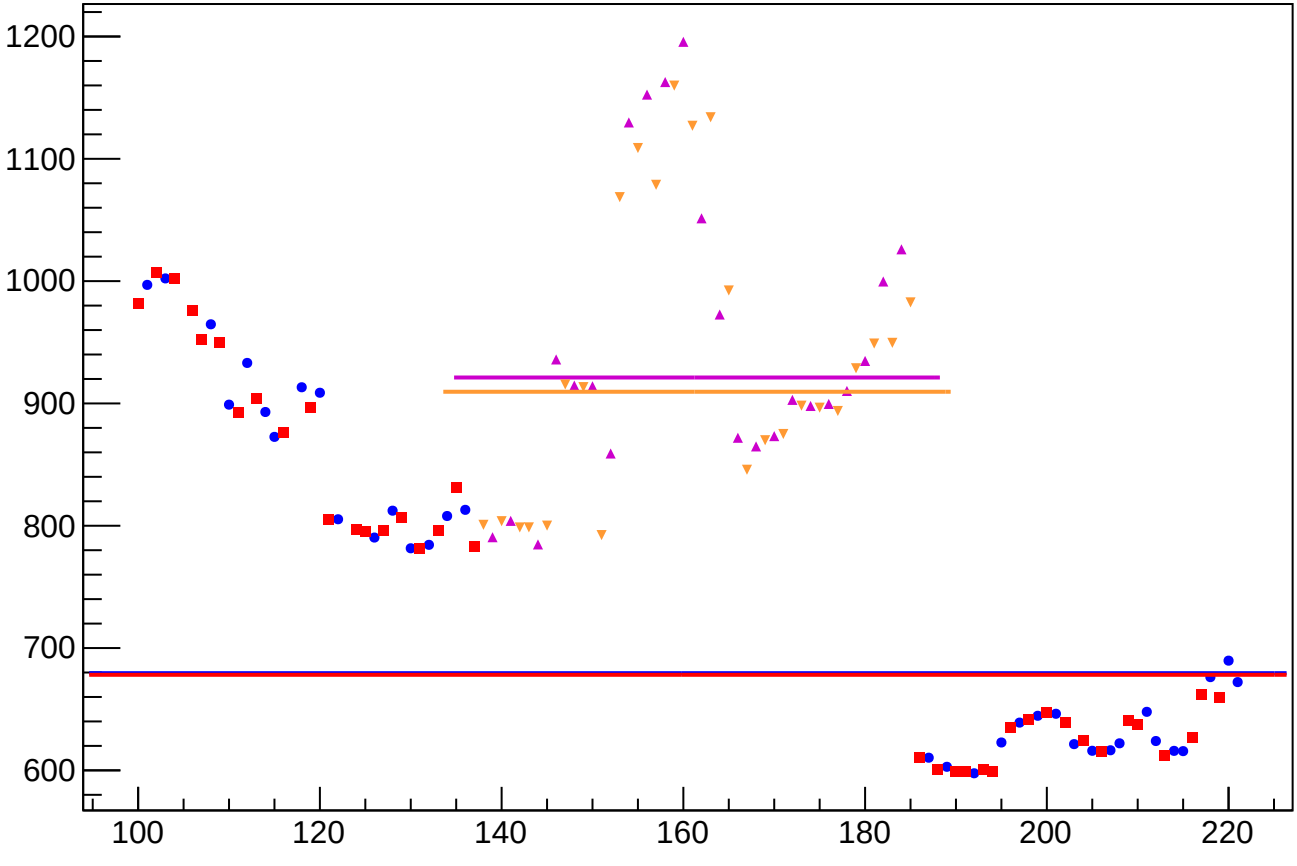
Right: 11.129+/-0.104 χ^2/NDF: 165733.4/70

In: 27.794+/-0.121 χ^2/NDF:48602.8/56

Out: 1.414+/-0.121 χ^2/NDF:109291.5/61

All: 14.532+/-0.086 χ^2/NDF: 181693.1/118

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: 678.138+/-0.105 χ^2/NDF: 1044538.2/36

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

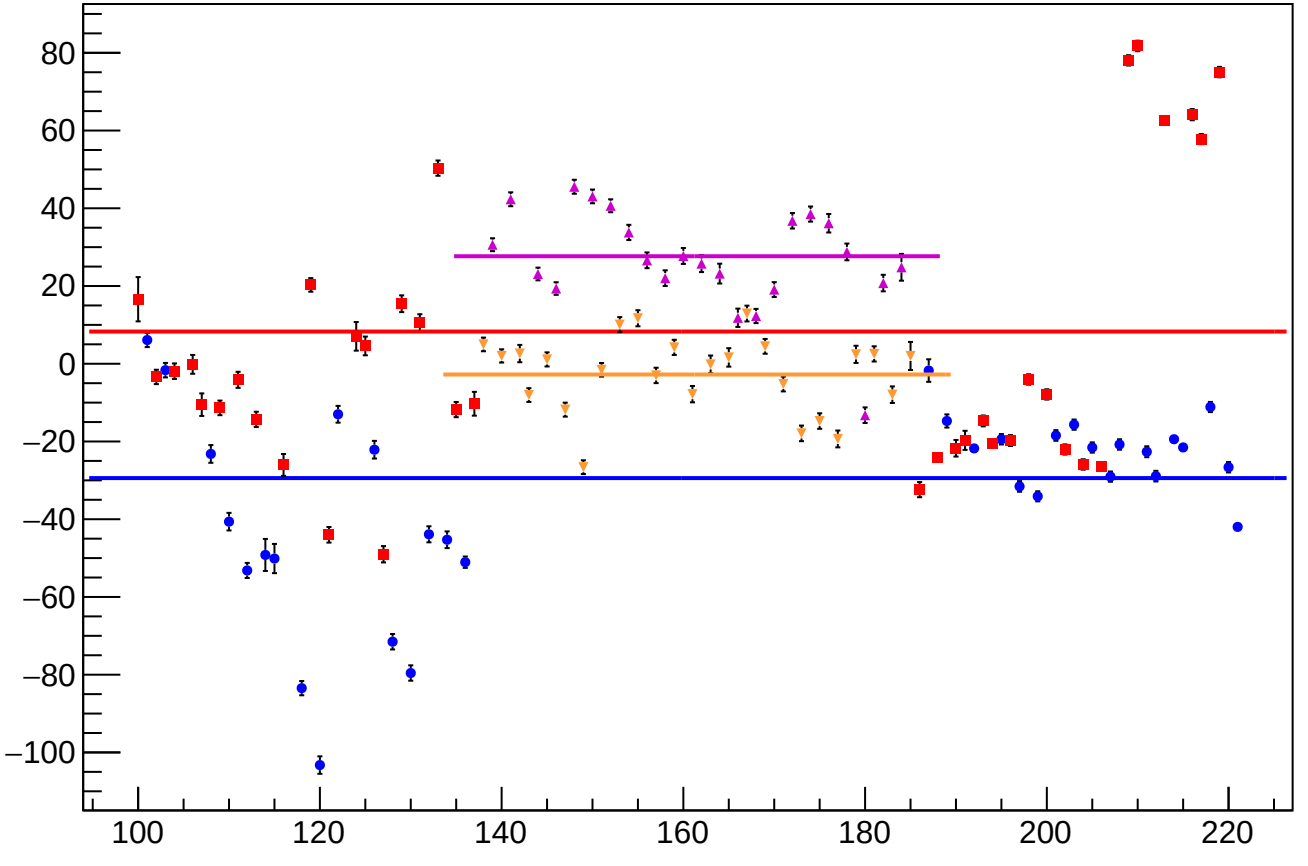
Right: 678.801+/-0.073 χ^2/NDF: 2011064.3/70

In: 754.834+/-0.086 χ^2/NDF:3169956.0/56

Out: 755.504+/-0.085 χ^2/NDF:3225415.0/61

All: 755.171+/-0.060 χ^2/NDF: 6395401.7/118

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: 8.286+/-0.277 χ^2/NDF: 20328.9/36

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

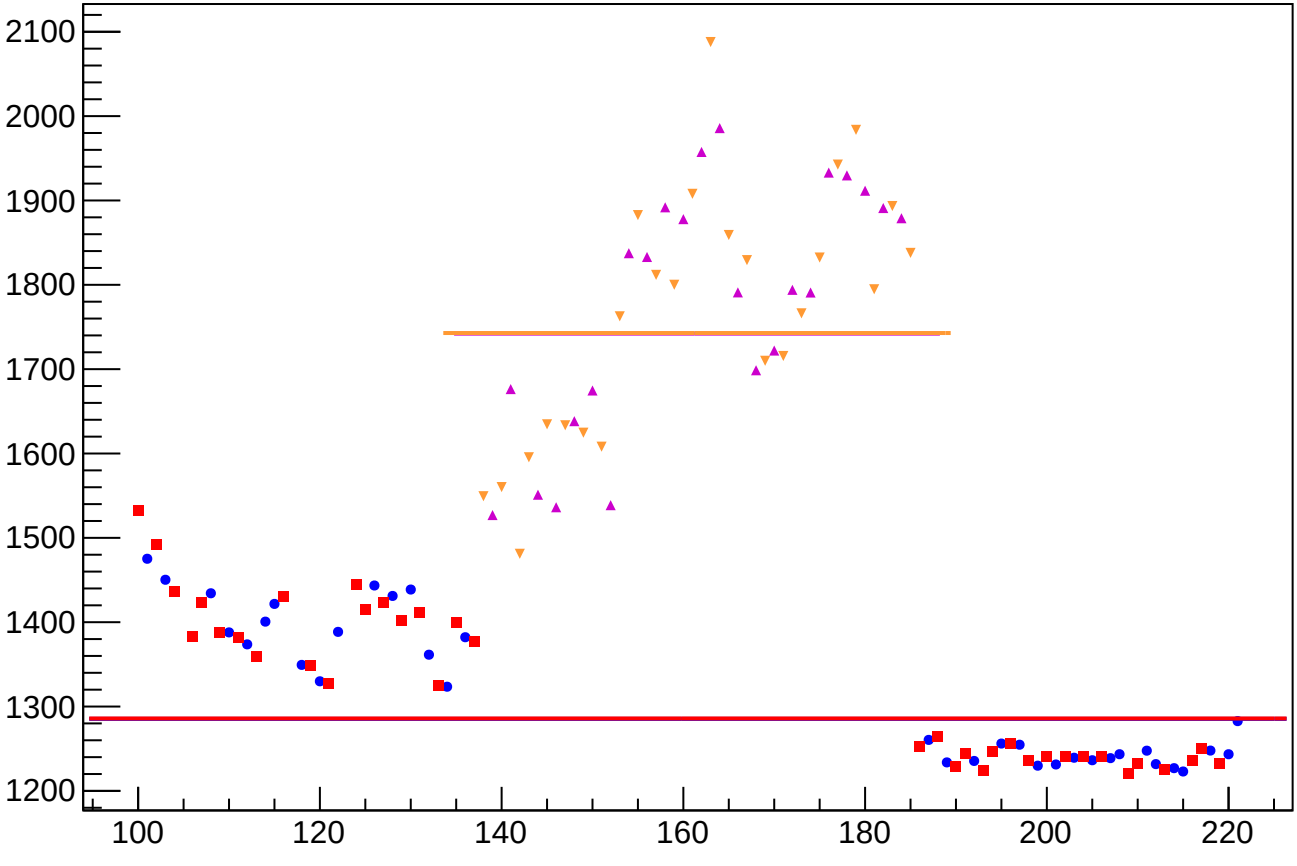
Right: -10.803+/-0.195 χ^2/NDF: 34894.6/70

In: -11.730+/-0.228 χ^2/NDF:19658.7/56

Out: 4.666+/-0.227 χ^2/NDF:21465.3/61

All: -3.530+/-0.161 χ^2/NDF: 43721.7/118

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: 1285.847+/-0.196 χ^2/NDF: 150609.1/36

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

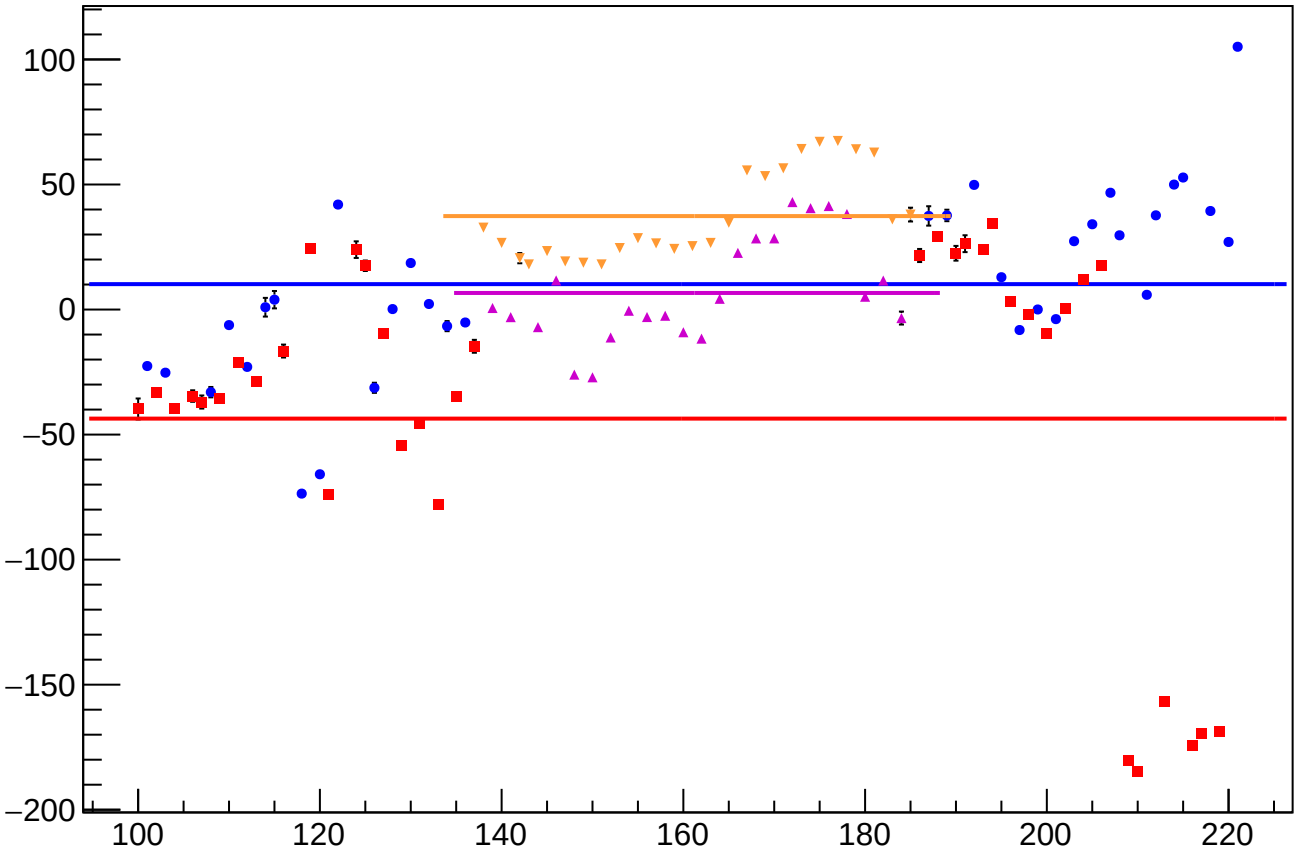
Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

Right: 1285.615+/-0.138 χ^2/NDF: 301950.9/70

In: 1426.911+/-0.161 χ^2/NDF:2136805.3/56

Out: 1435.523+/-0.161 χ^2/NDF:2192226.0/61

All: 1431.218+/-0.114 χ^2/NDF: 4330464.5/11



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: -43.611+/-0.311 χ^2/NDF: 49056.0/36

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

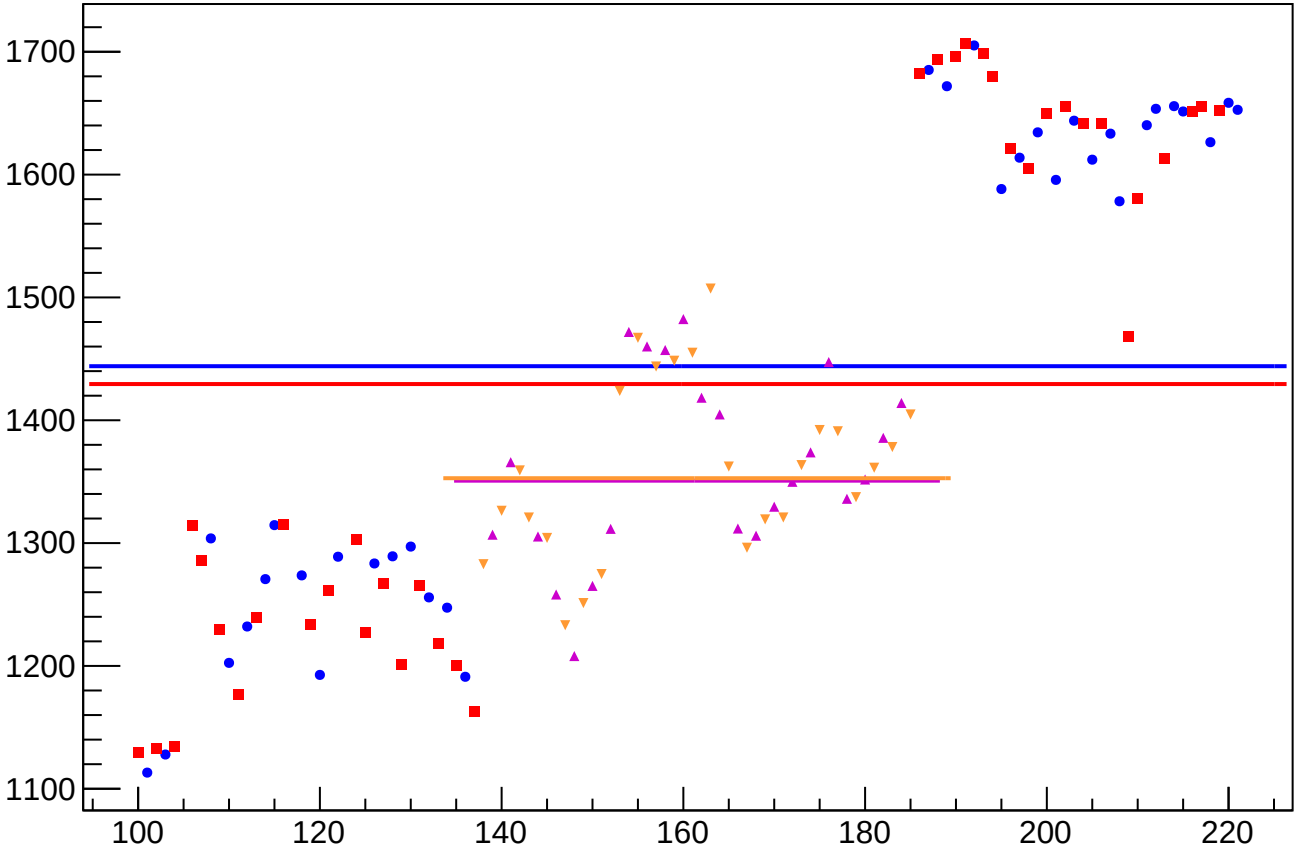
Right: -16.652+/-0.220 χ^2/NDF: 77688.6/70

In: 8.427+/-0.222 χ^2/NDF:18153.0/56

Out: -2.665+/-0.219 χ^2/NDF:86655.6/61

All: 2.816+/-0.156 χ^2/NDF: 106077.2/118

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: 1429.482+/-0.220 χ^2/NDF: 965508.0/36

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

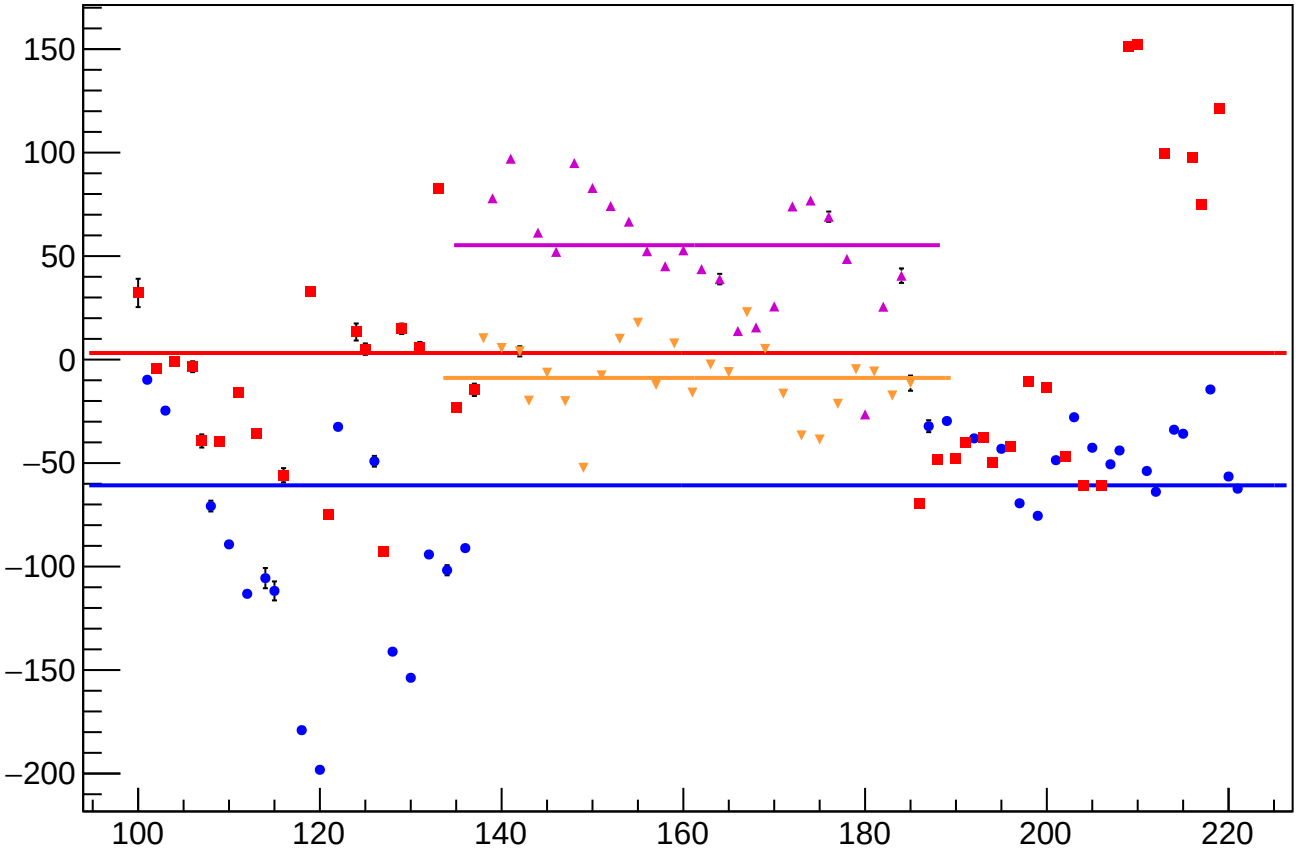
Right: 1436.769+/-0.155 χ^2/NDF: 1895371.4/70

In: 1398.251+/-0.157 χ^2/NDF:1124763.2/56

Out: 1390.719+/-0.155 χ^2/NDF:1131661.3/61

All: 1394.441+/-0.110 χ^2/NDF: 2257594.3/11

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: 3.178+/-0.310 χ^2/NDF: 50722.2/36

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

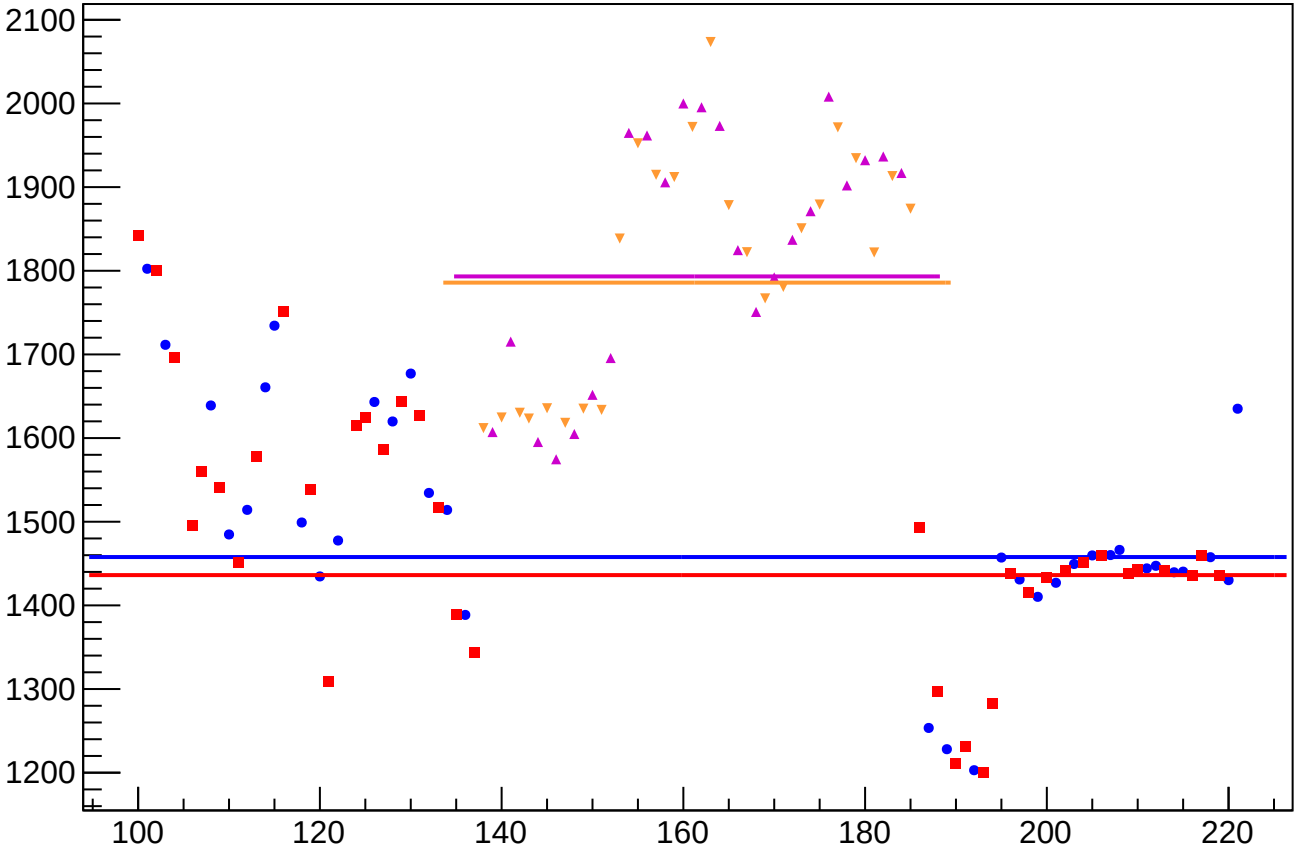
Right: -28.708+/-0.220 χ^2/NDF: 87579.4/70

In: -19.689+/-0.250 χ^2/NDF:69628.7/56

Out: -1.247+/-0.247 χ^2/NDF:53228.1/61

All: -10.346+/-0.176 χ^2/NDF: 125610.0/118

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: 1436.196+/-0.220 χ^2/NDF: 331455.5/36

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

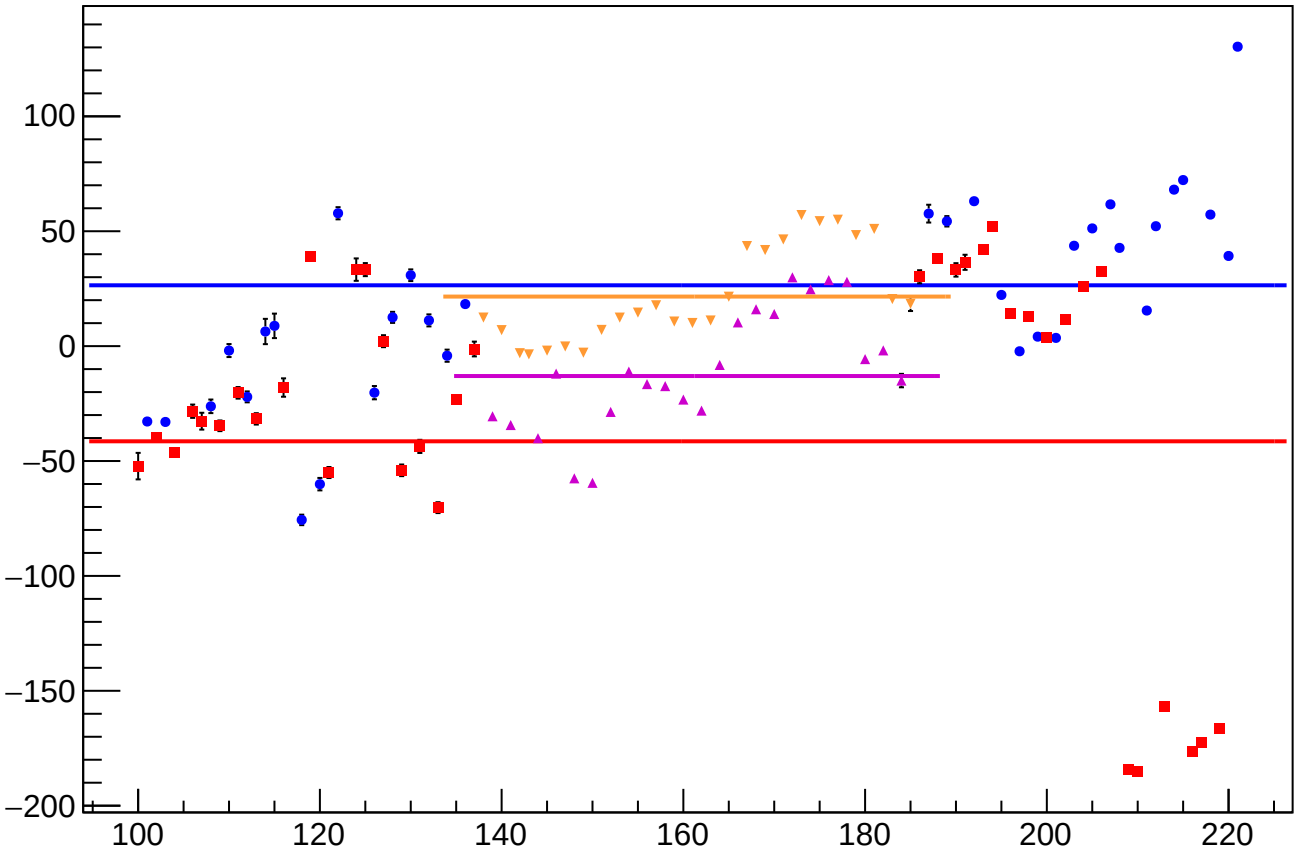
Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

Right: 1446.964+/-0.155 χ^2/NDF: 643452.1/70

In: 1576.534+/-0.177 χ^2/NDF:1382345.1/56

Out: 1564.730+/-0.175 χ^2/NDF:1501274.1/61

All: 1570.553+/-0.124 χ^2/NDF: 2885875.1/11



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: -41.421+/-0.358 χ^2/NDF: 51603.4/36

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

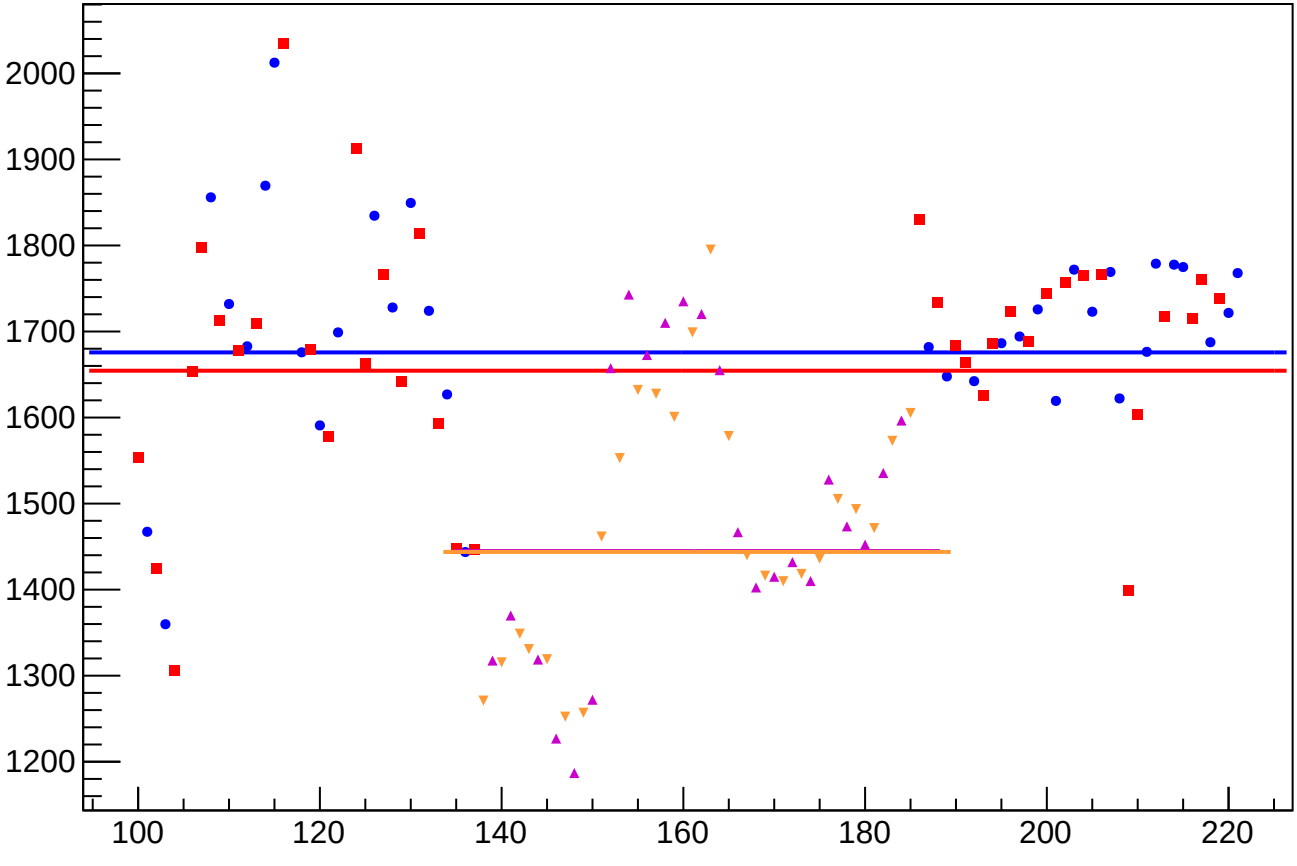
Right: -7.472+/-0.253 χ^2/NDF: 83499.2/70

In: 5.725+/-0.246 χ^2/NDF:26920.7/56

Out: -7.375+/-0.243 χ^2/NDF:72512.6/61

All: -0.931+/-0.173 χ^2/NDF: 100868.3/118

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: 1654.432+/-0.253 χ^2/NDF: 295176.4/36

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

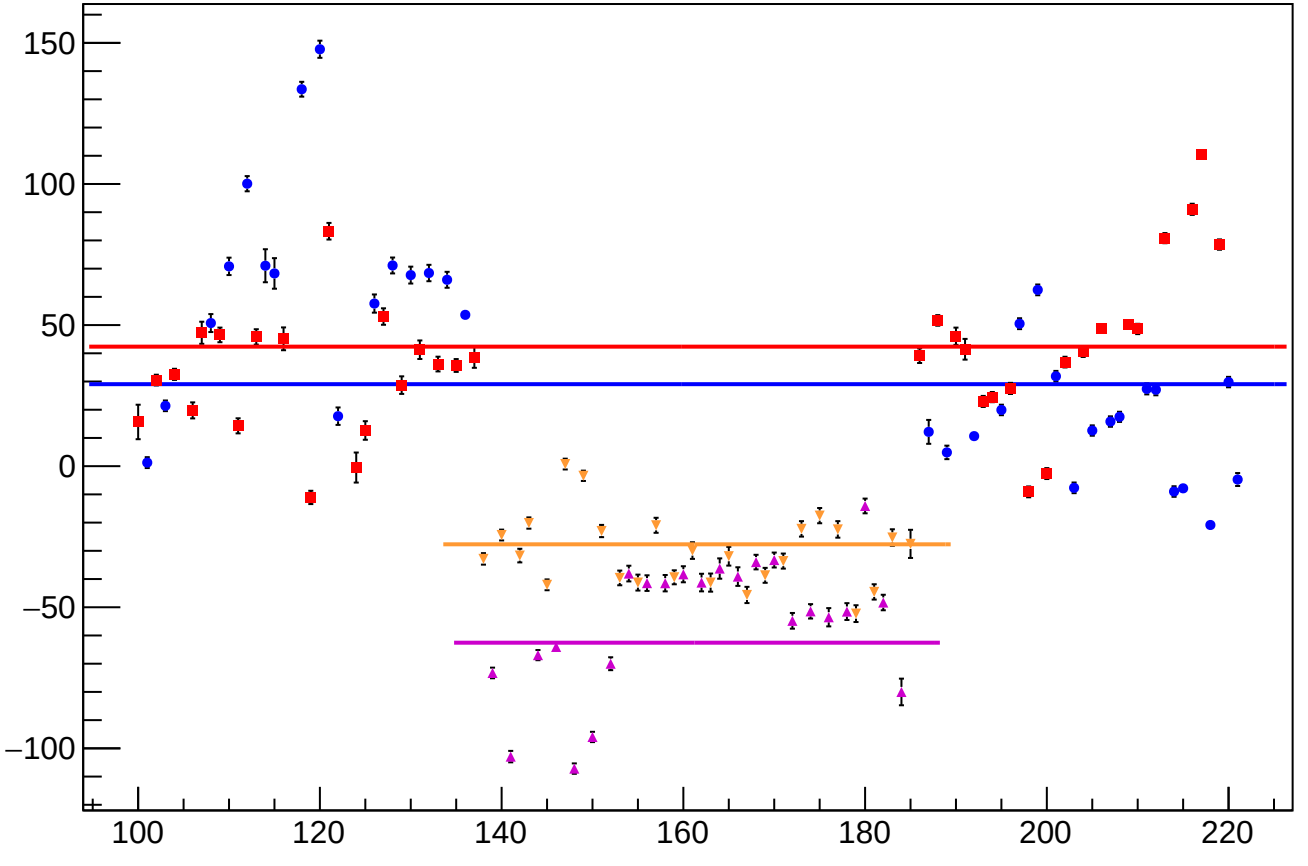
Right: 1665.069+/-0.179 χ^2/NDF: 517262.3/70

In: 1554.383+/-0.174 χ^2/NDF:1141373.1/56

Out: 1540.596+/-0.172 χ^2/NDF:1022053.8/61

All: 1547.379+/-0.122 χ^2/NDF: 2166606.1/11

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: 42.357+/-0.376 χ^2/NDF: 5650.1/36

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

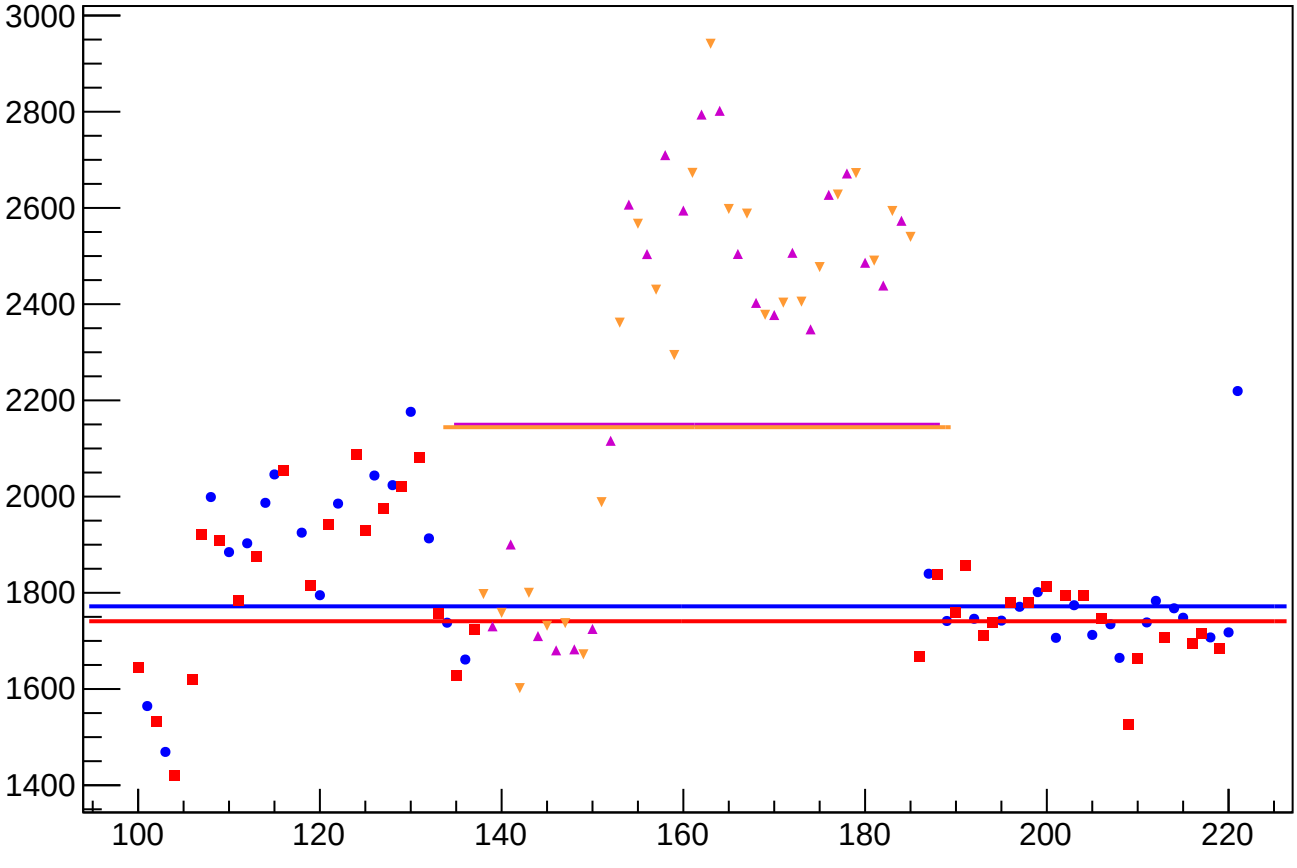
Right: 35.761+/-0.267 χ^2/NDF: 14732.7/70

In: -3.416+/-0.305 χ^2/NDF:31610.1/56

Out: 16.780+/-0.300 χ^2/NDF:19077.6/61

All: 6.847+/-0.214 χ^2/NDF: 52920.6/118

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: 1740.870+/-0.266 χ^2/NDF: 250593.0/36

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

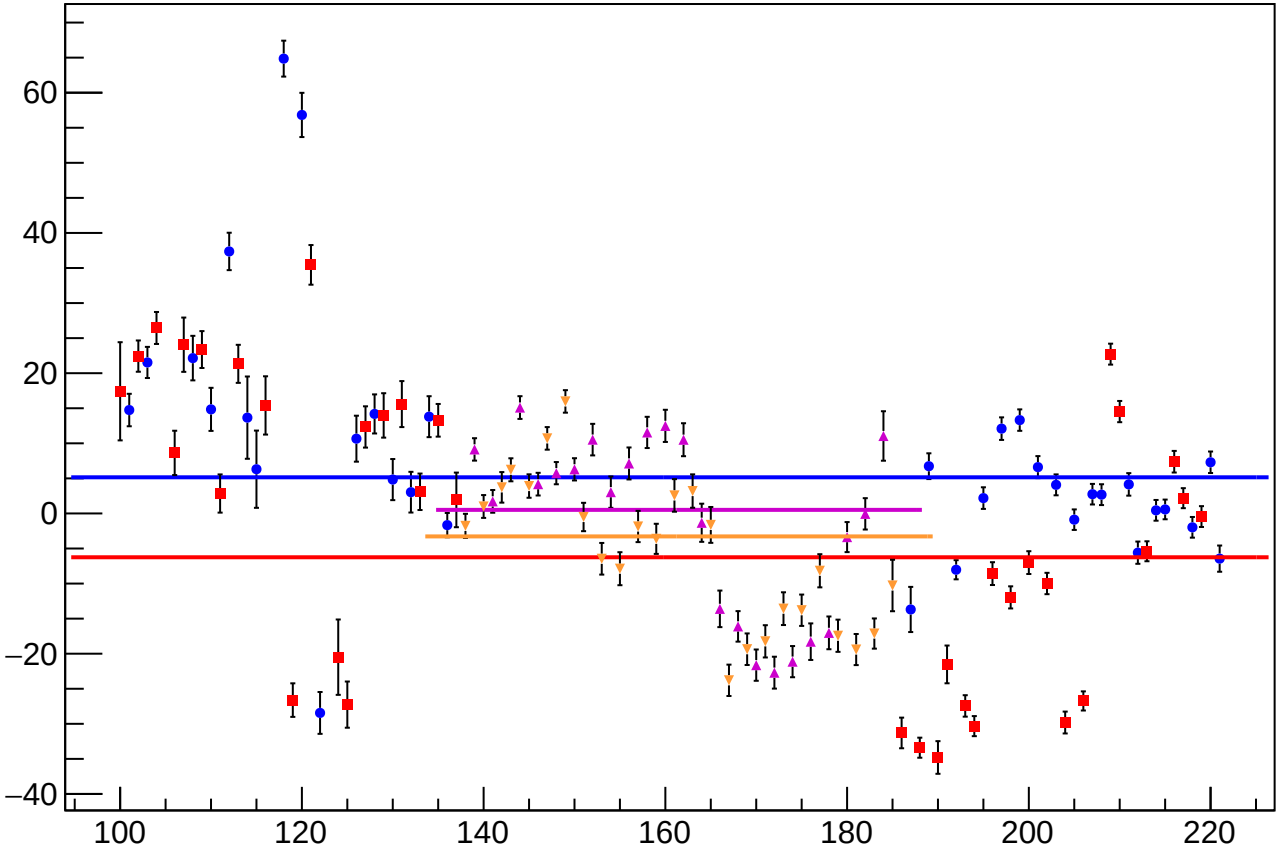
Right: 1756.242+/-0.189 χ^2/NDF: 549388.9/70

In: 1905.666+/-0.215 χ^2/NDF:2260300.6/56

Out: 1888.145+/-0.212 χ^2/NDF:2370032.7/61

All: 1896.762+/-0.151 χ^2/NDF: 4633694.6/11

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: -6.250+/-0.326 χ^2/NDF: 3602.7/36

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

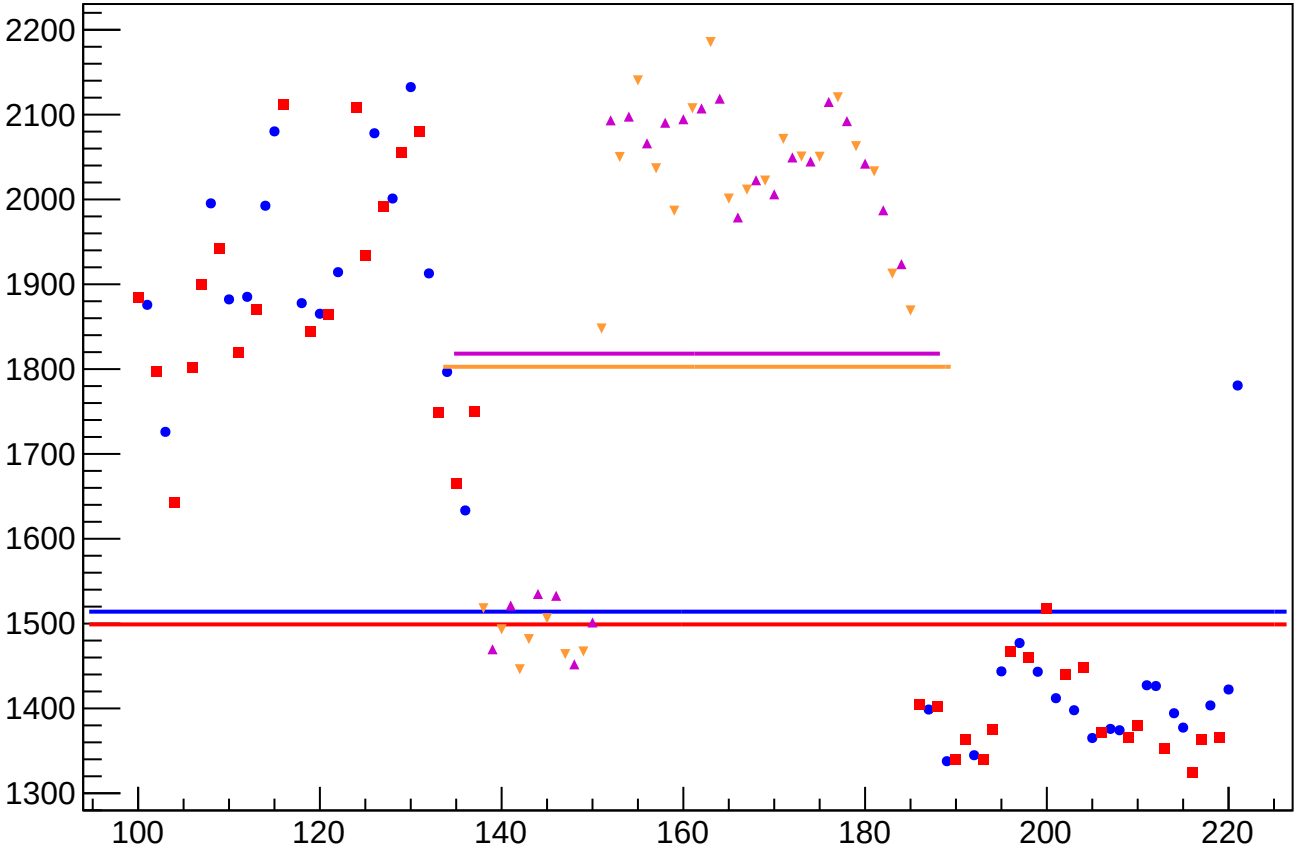
Right: -0.551+/-0.231 χ^2/NDF: 5782.5/70

In: 3.457+/-0.260 χ^2/NDF:2388.4/56

Out: -5.113+/-0.256 χ^2/NDF:4305.6/61

All: -0.887+/-0.182 χ^2/NDF: 7245.3/118

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: 1499.042+/-0.231 χ^2/NDF: 806635.7/36

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

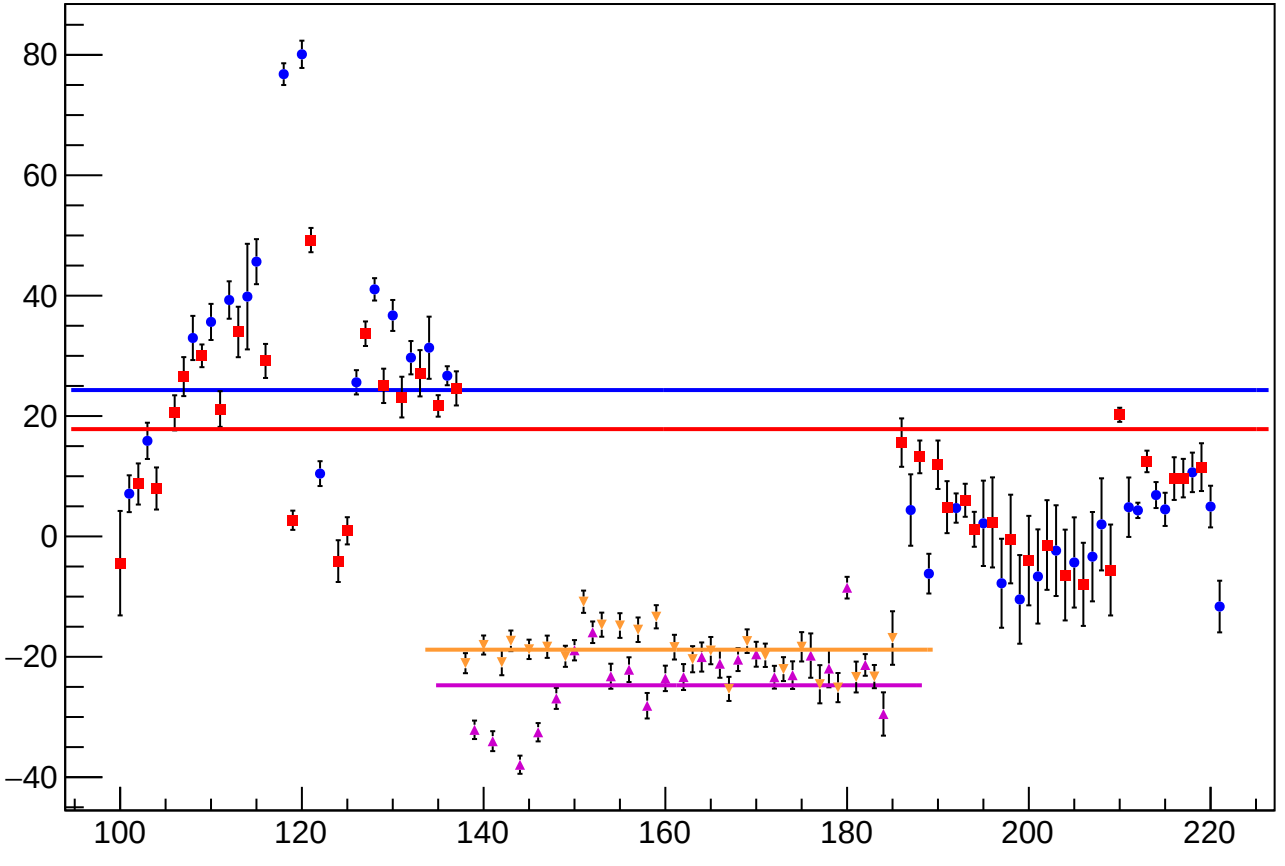
Right: 1506.550+/-0.163 χ^2/NDF: 1641213.0/70

In: 1625.252+/-0.184 χ^2/NDF:2308334.4/56

Out: 1615.094+/-0.181 χ^2/NDF:2366991.4/61

All: 1620.103+/-0.129 χ^2/NDF: 4676874.8/11

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: 17.828+/-0.456 χ^2/NDF: 770.0/36

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

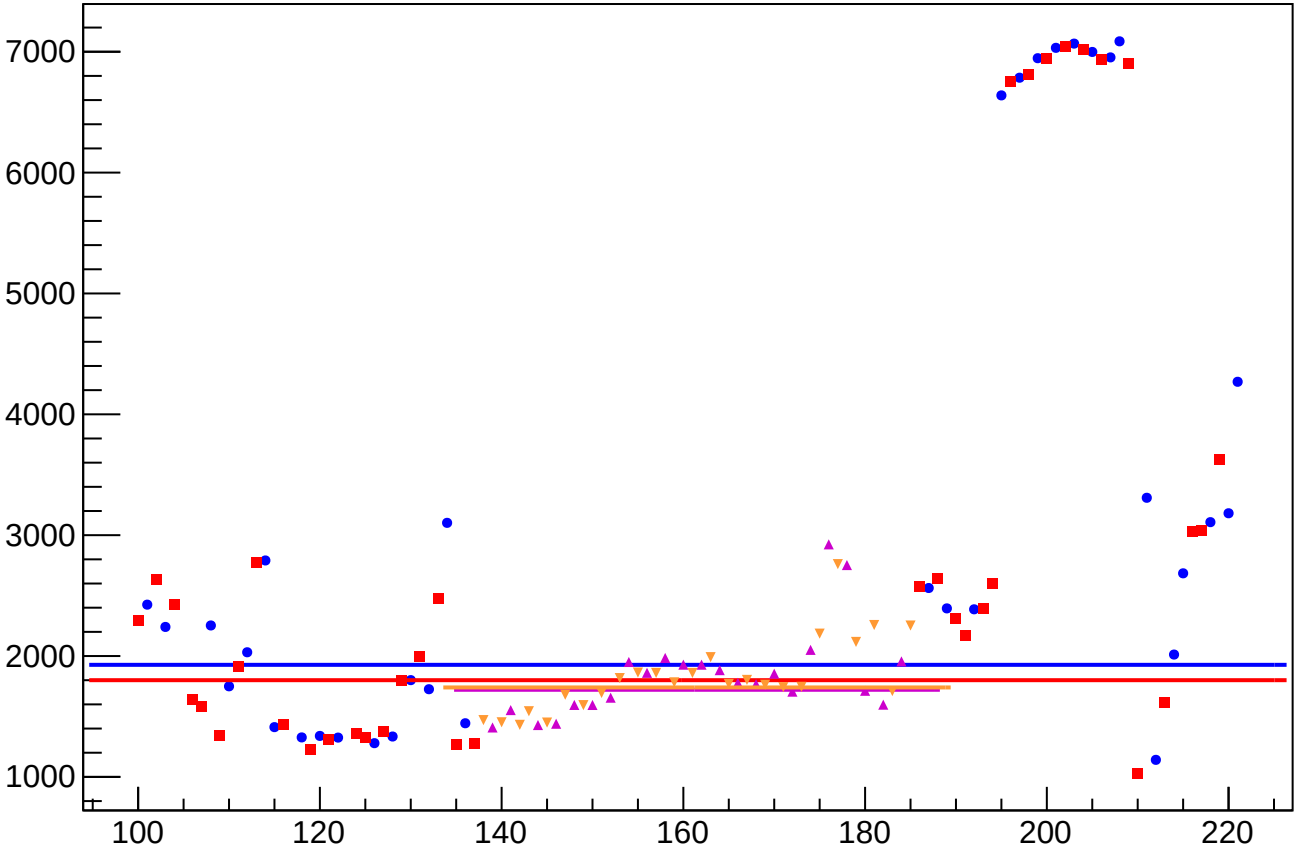
Right: 20.868+/-0.332 χ^2/NDF: 3365.2/70

In: -4.368+/-0.313 χ^2/NDF:8785.3/56

Out: -2.777+/-0.301 χ^2/NDF:4482.9/61

All: -3.544+/-0.217 χ^2/NDF: 13281.6/118

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: 1800.189+/-0.322 χ^2/NDF: 10500152.6/36

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

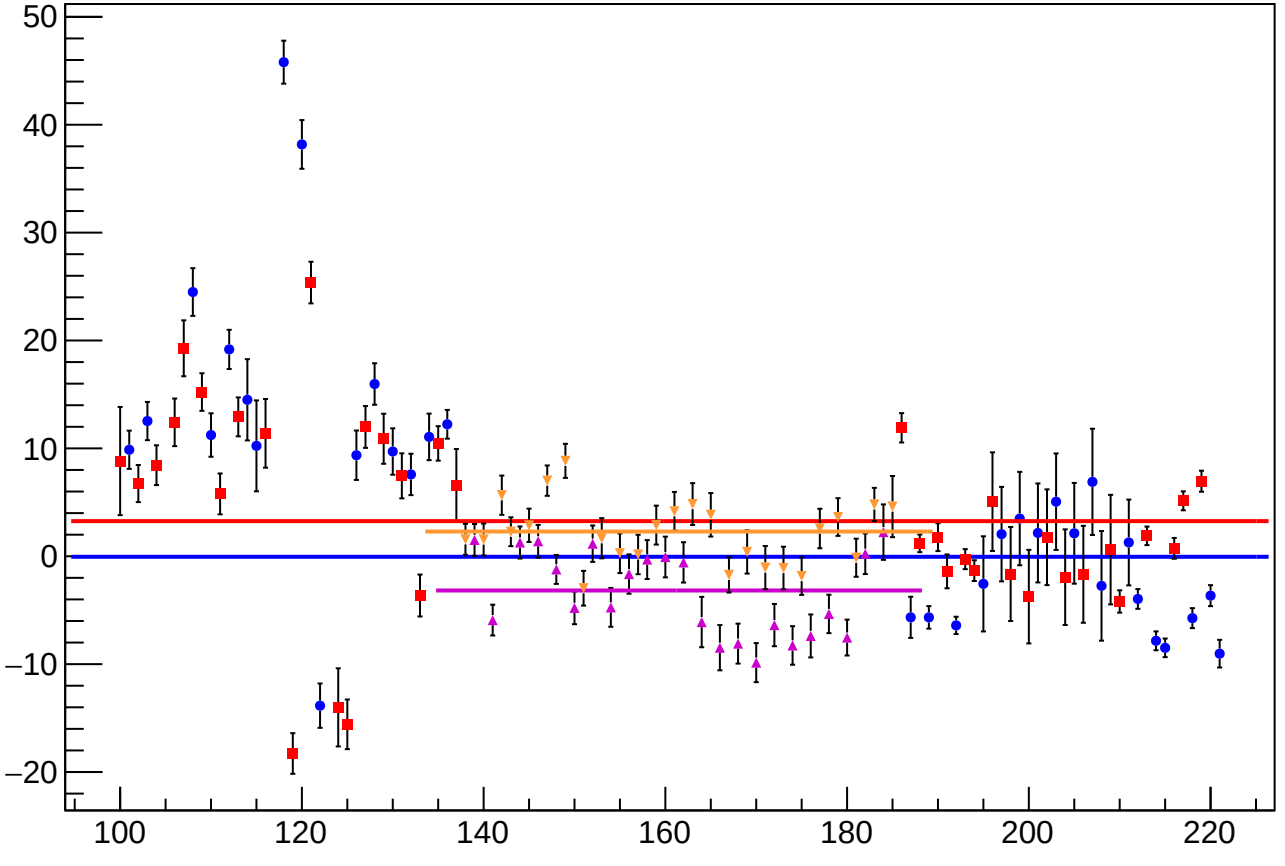
Right: 1859.720+/-0.235 χ^2/NDF: 21495334.6/70

In: 1806.545+/-0.221 χ^2/NDF:12017926.5/56

Out: 1766.394+/-0.213 χ^2/NDF:11273103.1/61

All: 1785.737+/-0.153 χ^2/NDF: 23308128.9/1

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: 3.256+/-0.253 χ^2/NDF: 754.9/36

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

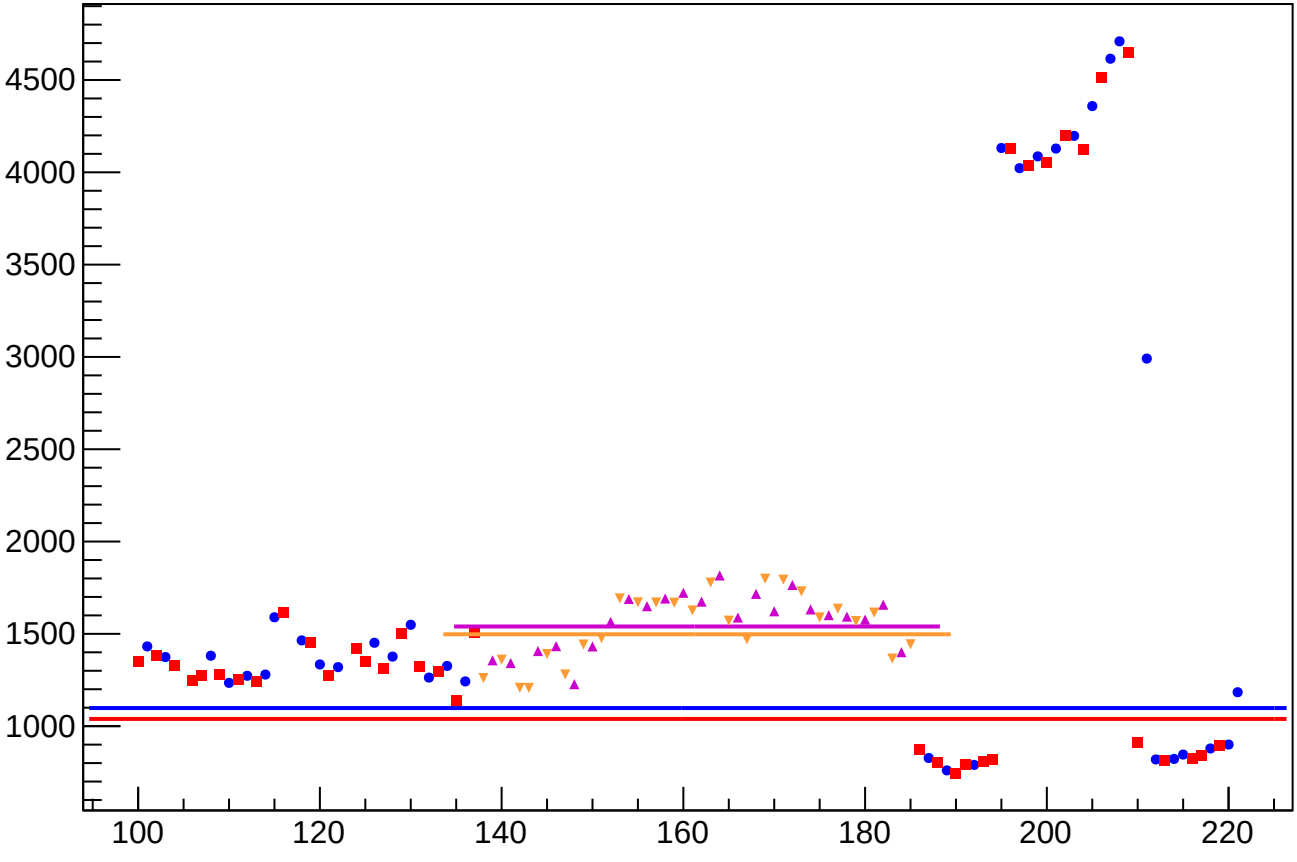
Right: 1.706+/-0.184 χ^2/NDF: 2699.2/70

In: -1.160+/-0.216 χ^2/NDF:2022.5/56

Out: 2.917+/-0.204 χ^2/NDF:833.5/61

All: 0.999+/-0.148 χ^2/NDF: 3044.4/118

diff_bpm0i07Y_rms vs Slug, Sign Corrected



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: 1039.199+/-0.179 χ^2/NDF: 8749312.1/36

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

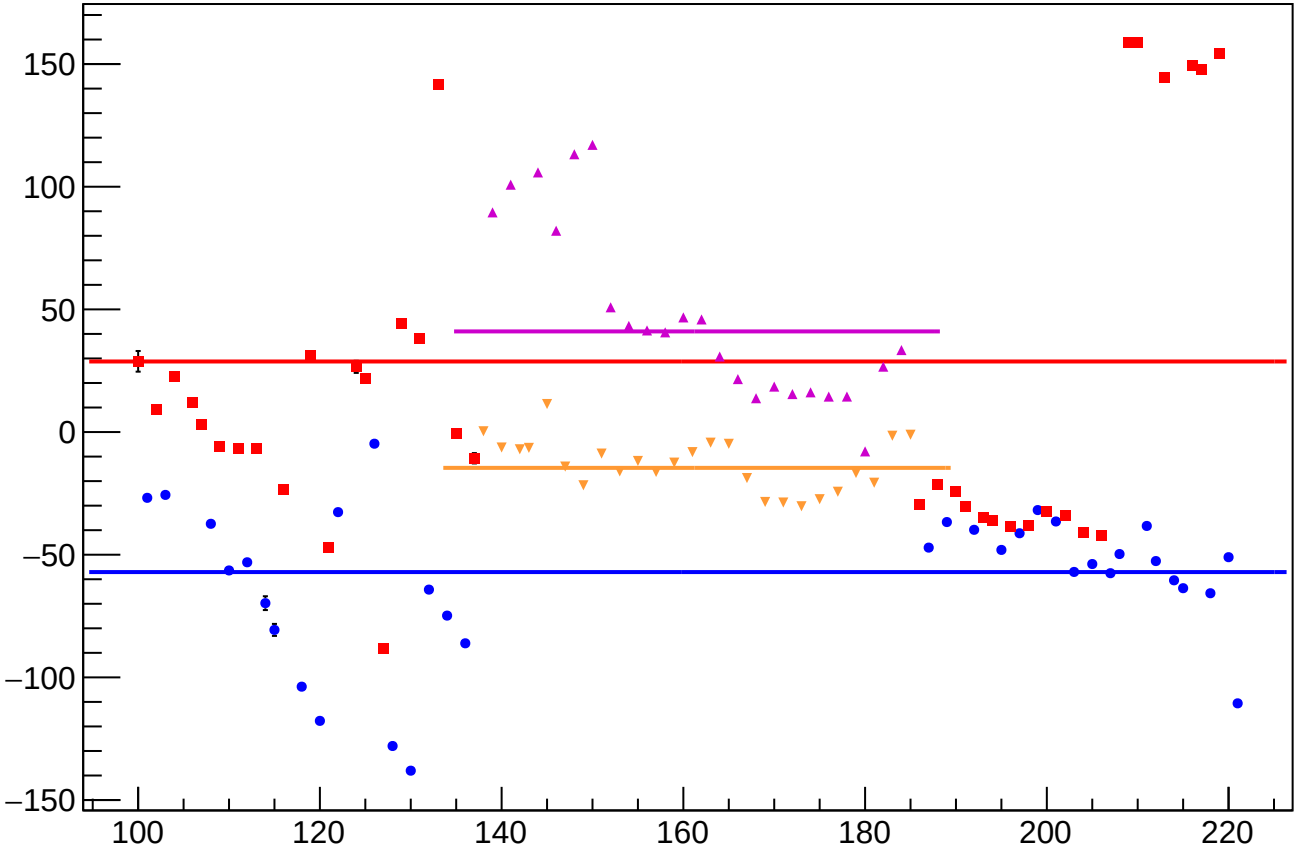
Right: 1066.829+/-0.130 χ^2/NDF: 18745729.2/70

In: 1255.202+/-0.153 χ^2/NDF:12240673.8/56

Out: 1200.483+/-0.144 χ^2/NDF:11628361.9/61

All: 1226.226+/-0.105 χ^2/NDF: 23936925.1/1

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: 28.766+/-0.153 χ^2/NDF: 301233.1/36

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

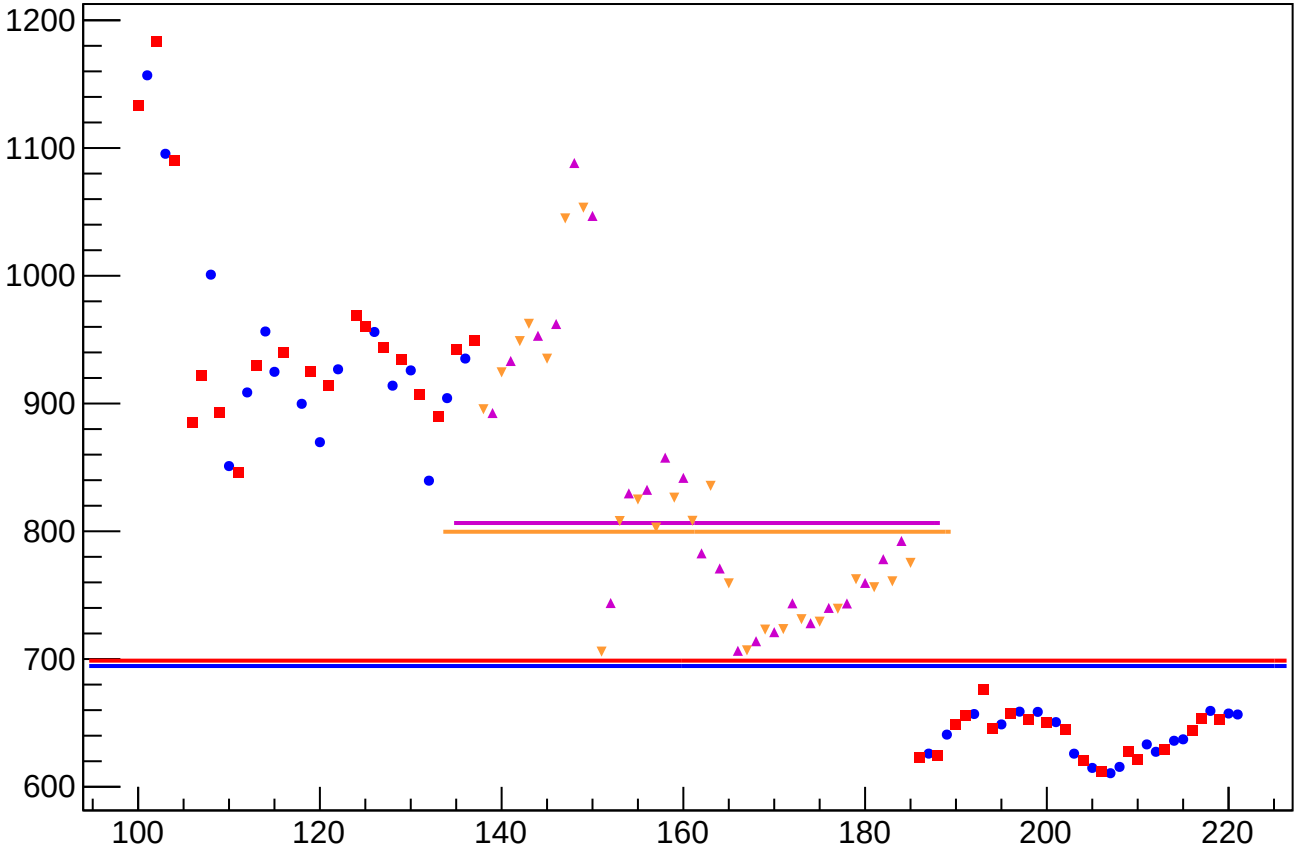
Right: -14.972+/-0.107 χ^2/NDF: 488031.3/70

In: -19.363+/-0.118 χ^2/NDF:221653.2/56

Out: 10.938+/-0.117 χ^2/NDF:337476.7/61

All: -4.165+/-0.083 χ^2/NDF: 592389.2/118

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: 698.749+/-0.108 χ^2/NDF: 1354525.4/36

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

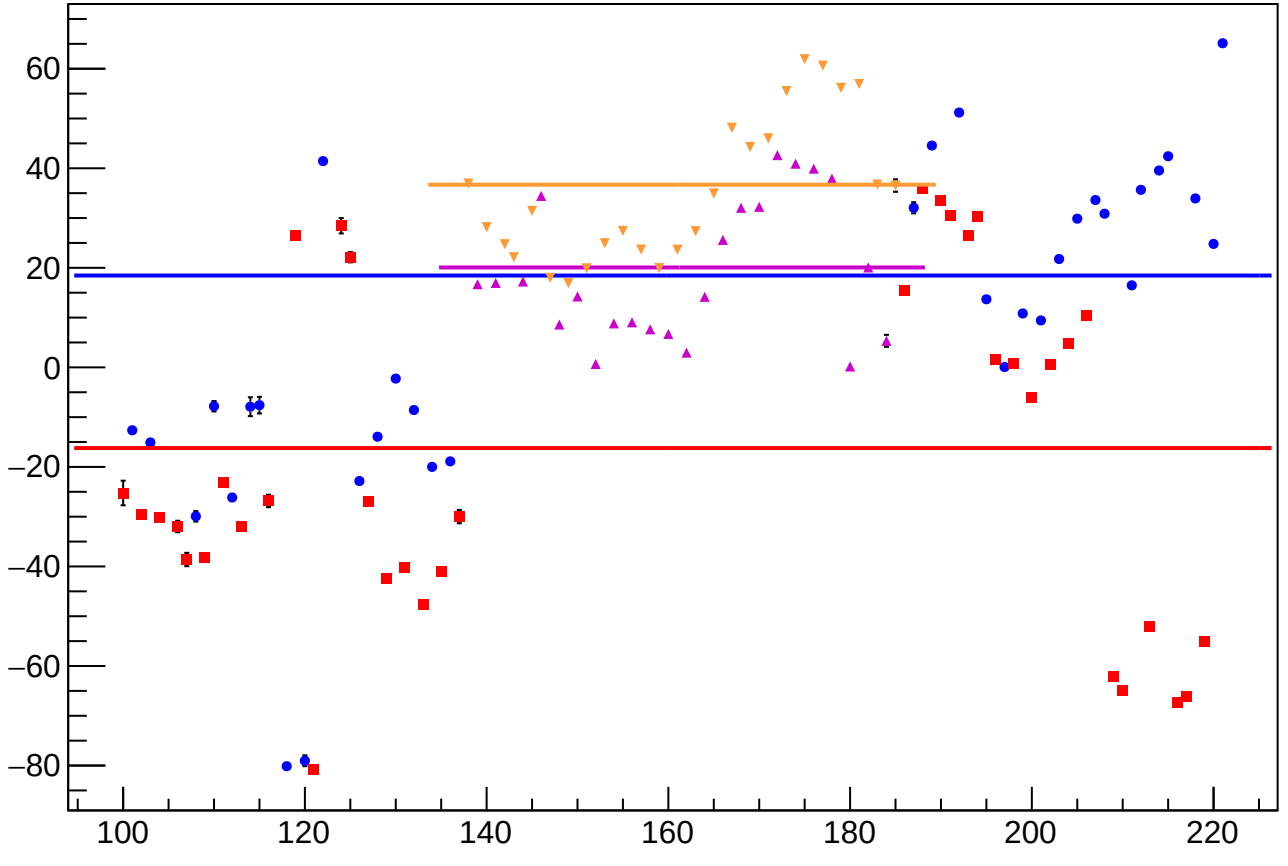
Right: 696.597+/-0.076 χ^2/NDF: 2661887.3/70

In: 737.564+/-0.083 χ^2/NDF:2246298.8/56

Out: 740.228+/-0.083 χ^2/NDF:2210141.5/61

All: 738.900+/-0.059 χ^2/NDF: 4456954.3/118

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: -16.212+/-0.114 χ^2/NDF: 99090.6/36

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

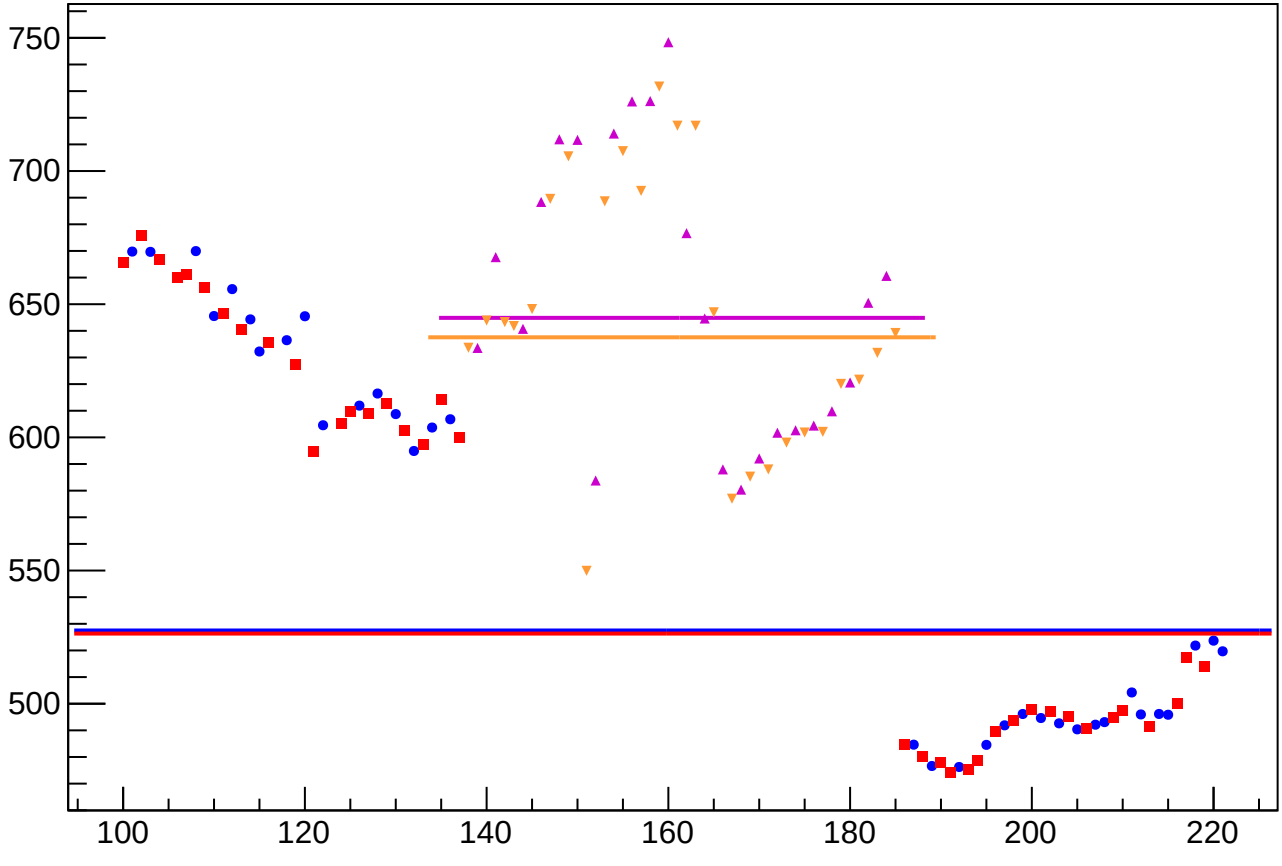
Right: 1.299+/-0.080 χ^2/NDF: 209334.1/70

In: 19.030+/-0.090 χ^2/NDF:72225.6/56

Out: 3.943+/-0.090 χ^2/NDF:191294.9/61

All: 11.426+/-0.064 χ^2/NDF: 277537.2/118

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: 526.338+/-0.081 χ^2/NDF: 575616.6/36

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

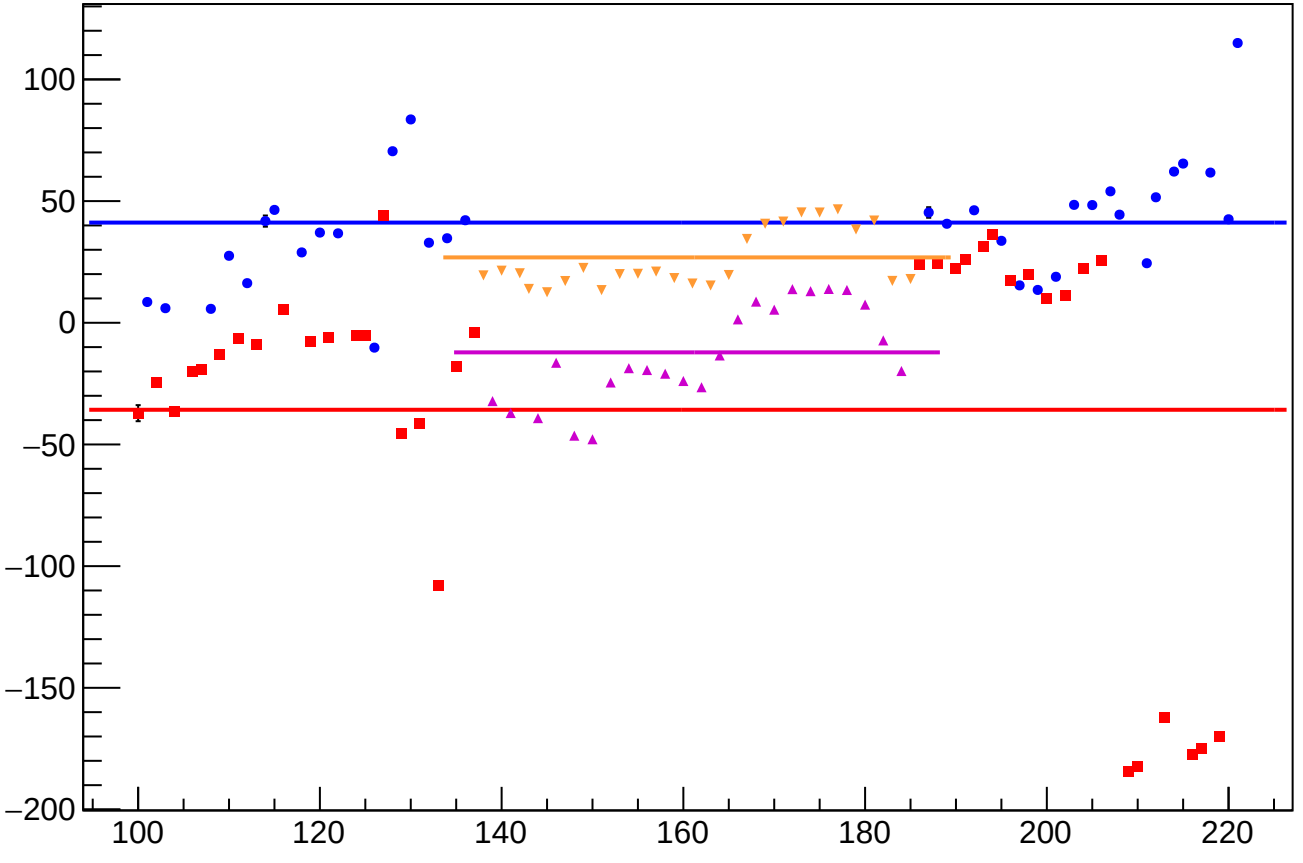
Right: 526.921+/-0.057 χ^2/NDF: 1118459.3/70

In: 569.493+/-0.064 χ^2/NDF:1545995.7/56

Out: 568.704+/-0.063 χ^2/NDF:1536540.1/61

All: 569.096+/-0.045 χ^2/NDF: 3082612.5/118

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: -35.747+/-0.189 χ^2/NDF: 158880.7/36

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

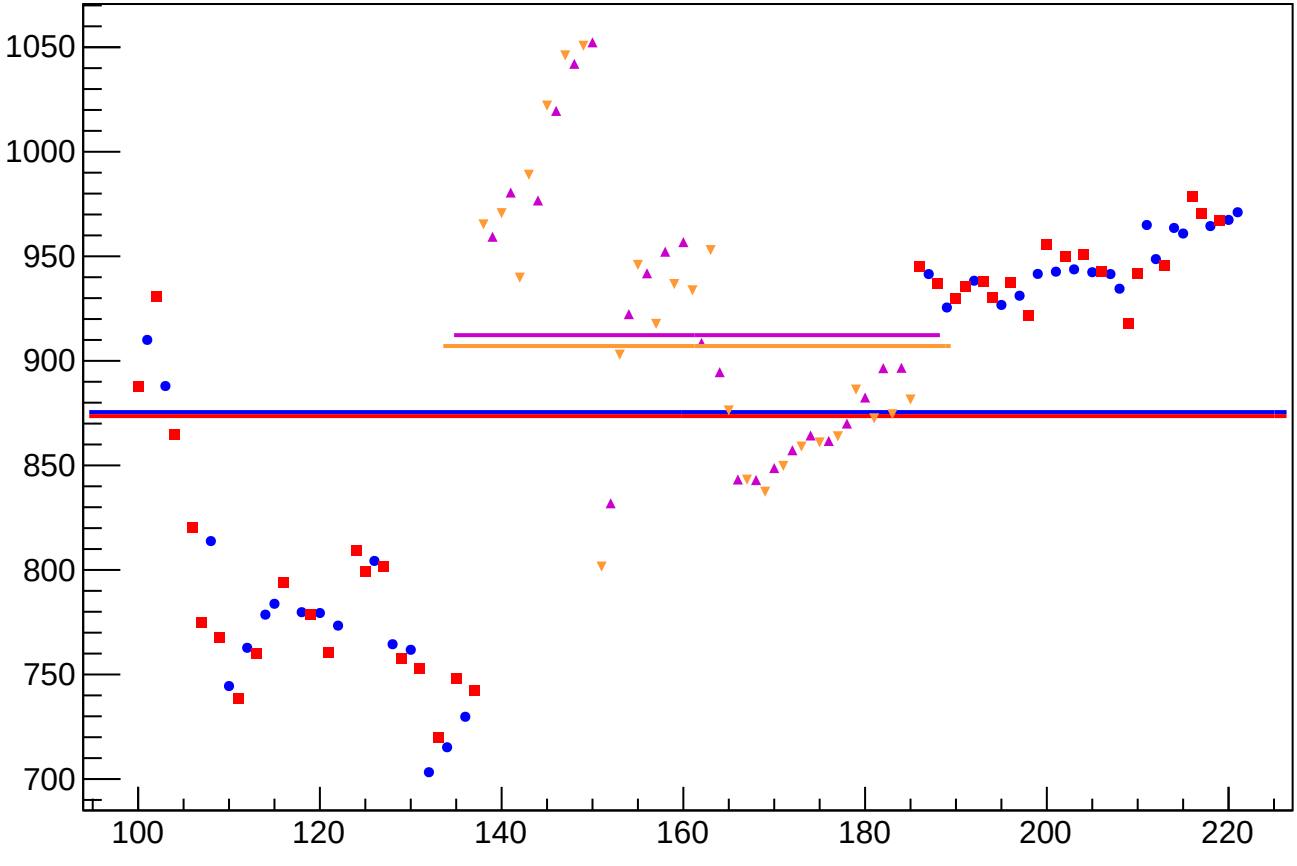
Right: 3.068+/-0.133 χ^2/NDF: 259862.8/70

In: 18.003+/-0.141 χ^2/NDF:61194.8/56

Out: -7.228+/-0.139 χ^2/NDF:212249.6/61

All: 5.265+/-0.099 χ^2/NDF: 289645.9/118

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: 873.580+/-0.134 χ^2/NDF: 433825.4/36

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

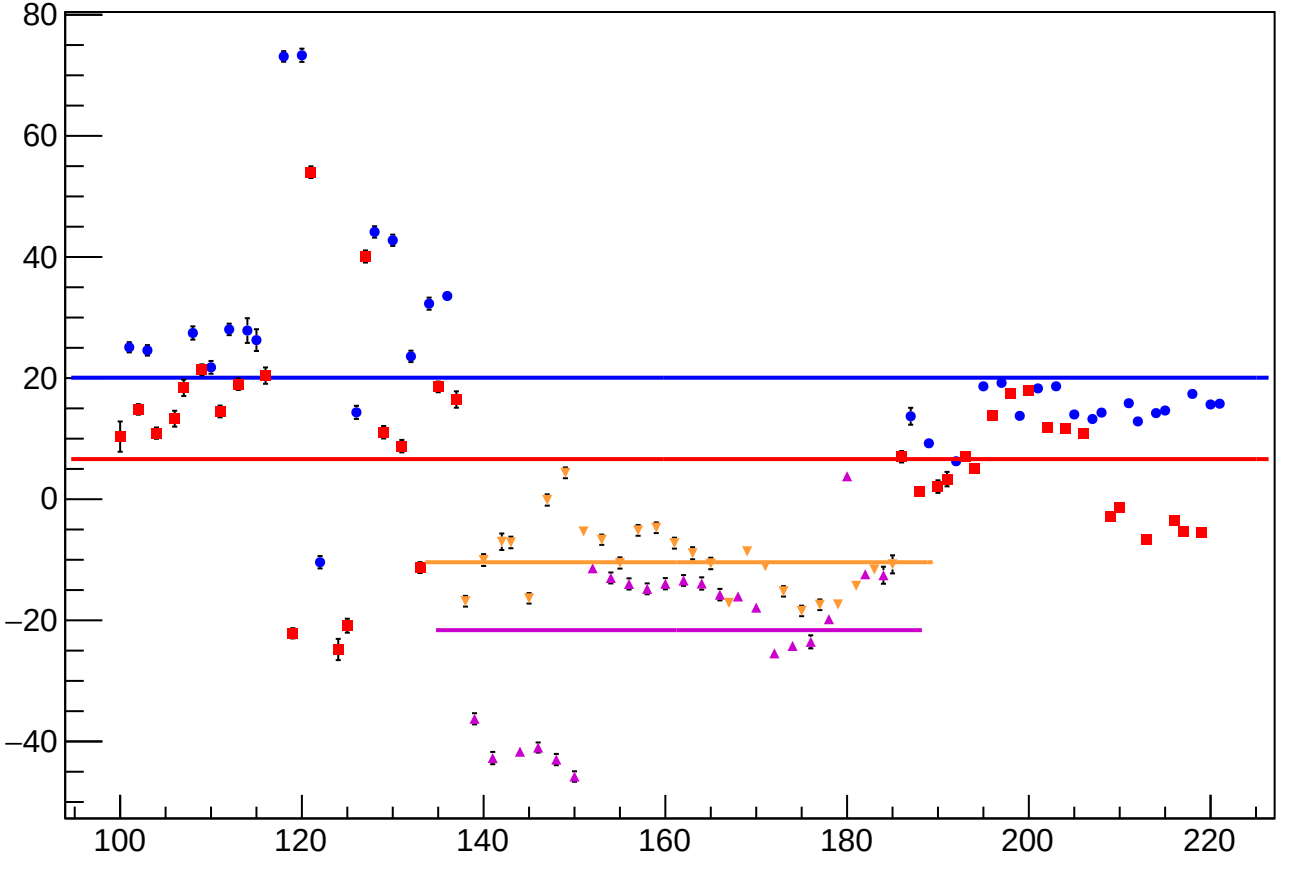
Right: 874.548+/-0.094 χ^2/NDF: 927185.9/70

In: 891.486+/-0.100 χ^2/NDF:701523.8/56

Out: 888.842+/-0.099 χ^2/NDF:657061.5/61

All: 890.152+/-0.070 χ^2/NDF: 1358941.1/118

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: 6.625+/-0.132 χ^2/NDF: 9904.7/36

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

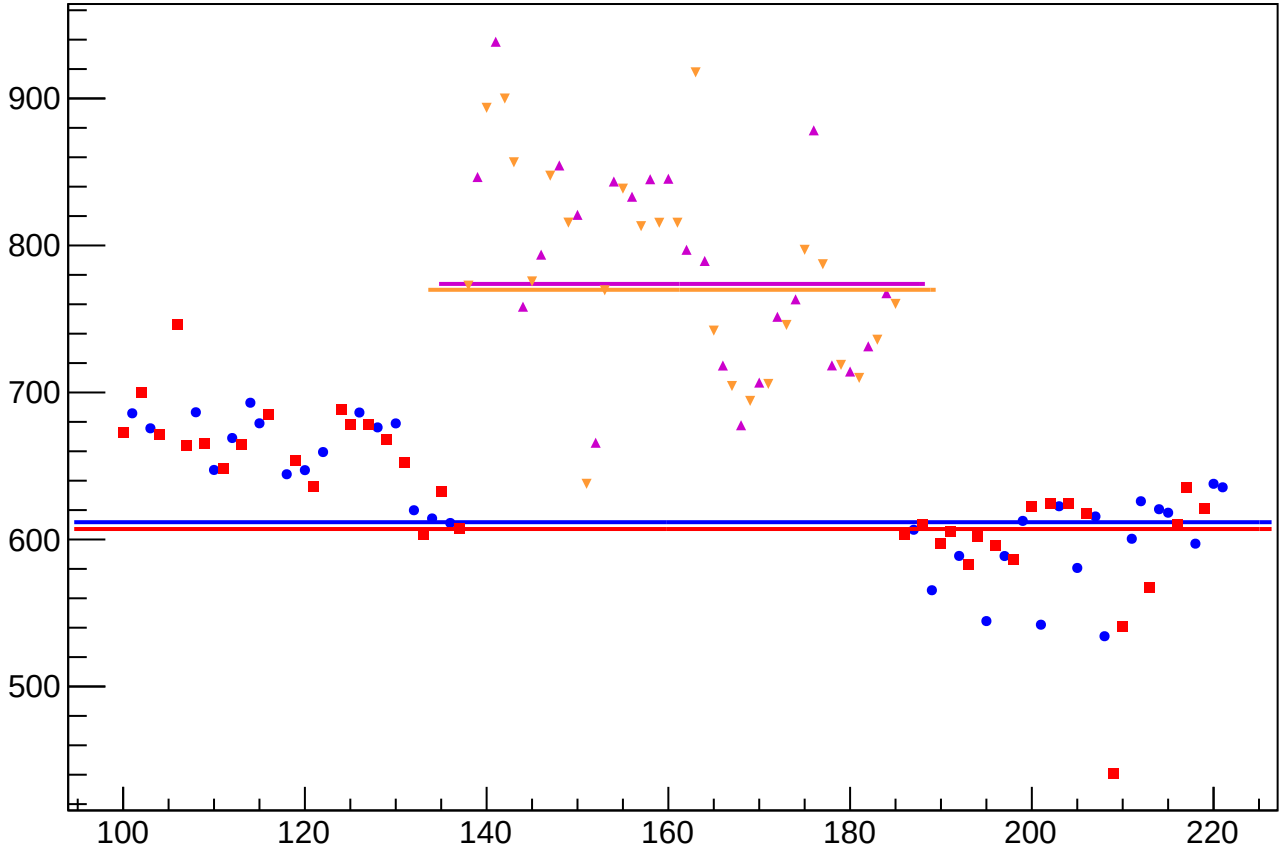
Right: 13.385+/-0.093 χ^2/NDF: 25709.1/70

In: 5.859+/-0.106 χ^2/NDF:50406.9/56

Out: 0.519+/-0.105 χ^2/NDF:16953.5/61

All: 3.168+/-0.075 χ^2/NDF: 68634.0/118

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: 607.123+/-0.093 χ^2/NDF: 413641.7/36

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

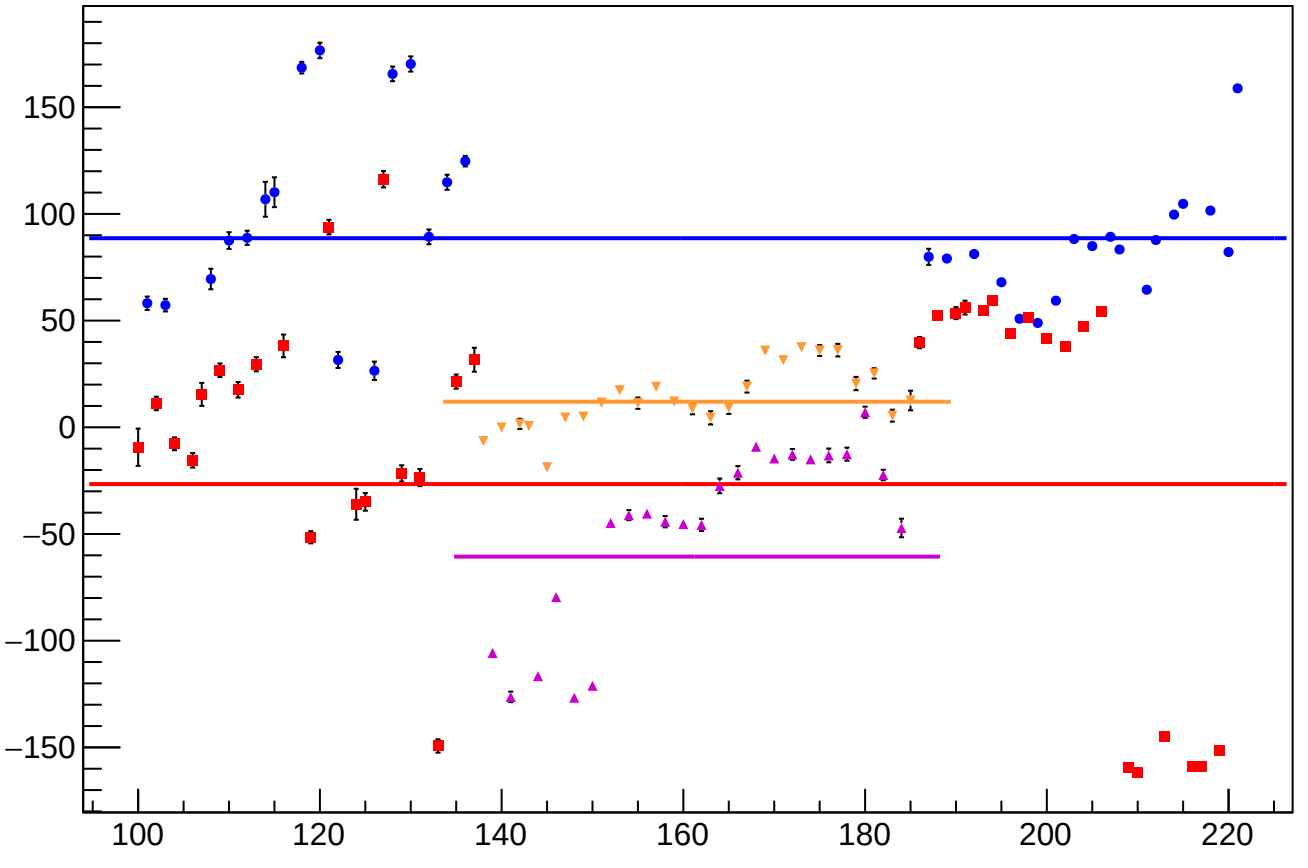
Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

Right: 609.458+/-0.066 χ^2/NDF: 618776.7/70

In: 667.006+/-0.075 χ^2/NDF:1533003.9/56

Out: 665.467+/-0.075 χ^2/NDF:1814872.2/61

All: 666.230+/-0.053 χ^2/NDF: 3348087.7/118



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: -26.615+/-0.388 χ^2/NDF: 59911.7/36

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

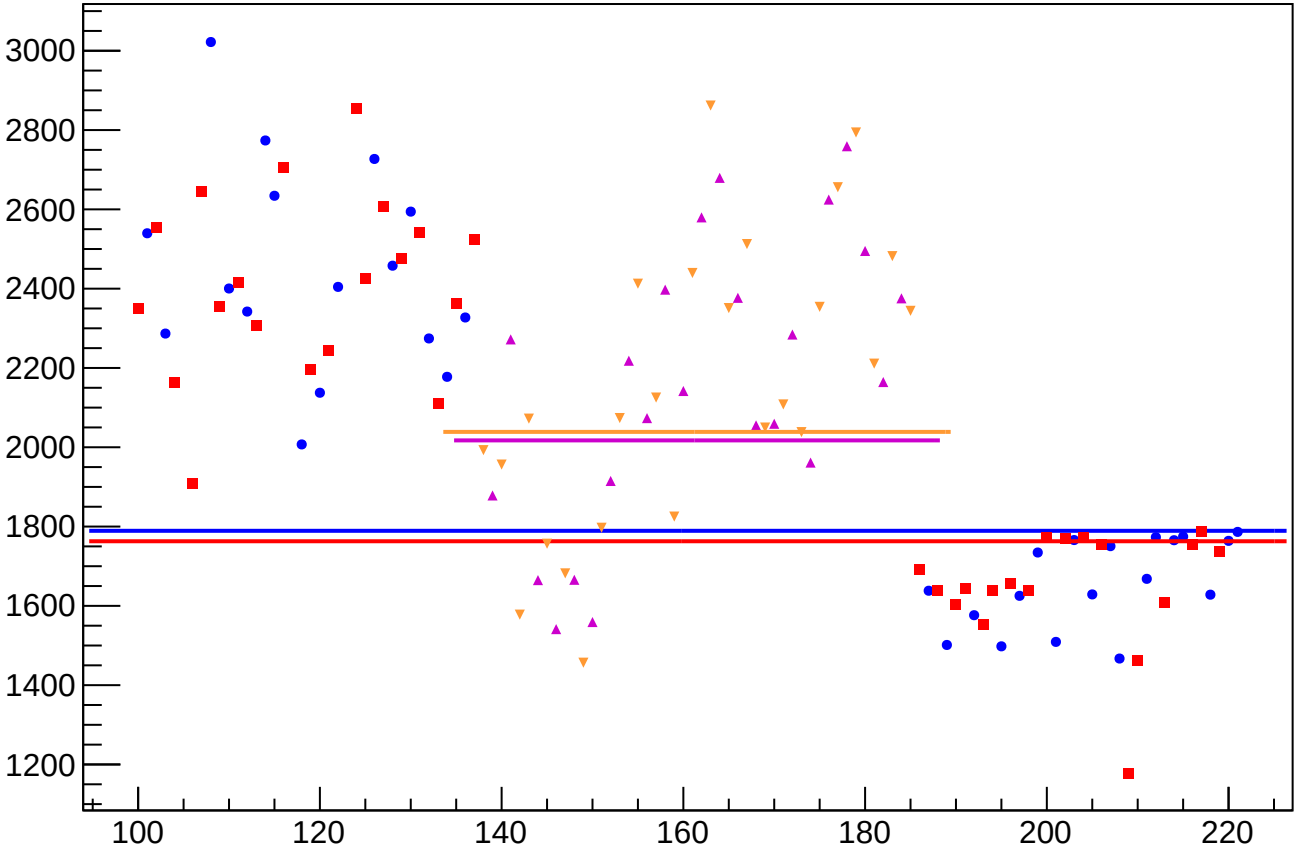
Right: 30.980+/-0.275 χ^2/NDF: 110727.8/70

In: 29.726+/-0.302 χ^2/NDF:73684.4/56

Out: -11.022+/-0.300 χ^2/NDF:64853.9/61

All: 9.188+/-0.213 χ^2/NDF: 147707.2/118

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: 1762.949+/-0.274 χ^2/NDF: 1598710.8/36

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

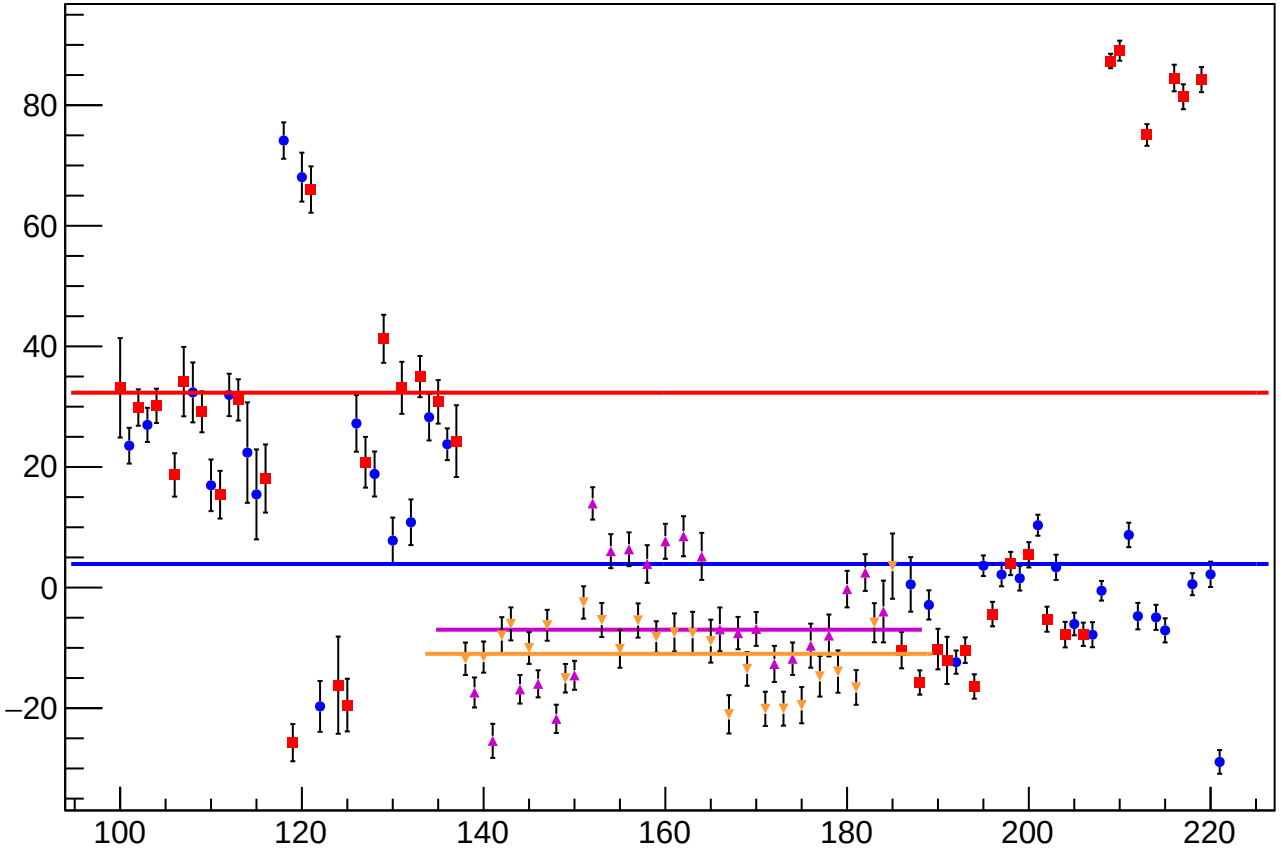
Right: 1776.118+/-0.194 χ^2/NDF: 2920877.5/70

In: 1879.289+/-0.214 χ^2/NDF:2639817.6/56

Out: 1874.368+/-0.212 χ^2/NDF:3130152.9/61

All: 1876.809+/-0.150 χ^2/NDF: 5770238.0/11

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: 32.318+/-0.419 χ^2/NDF: 10121.2/36

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

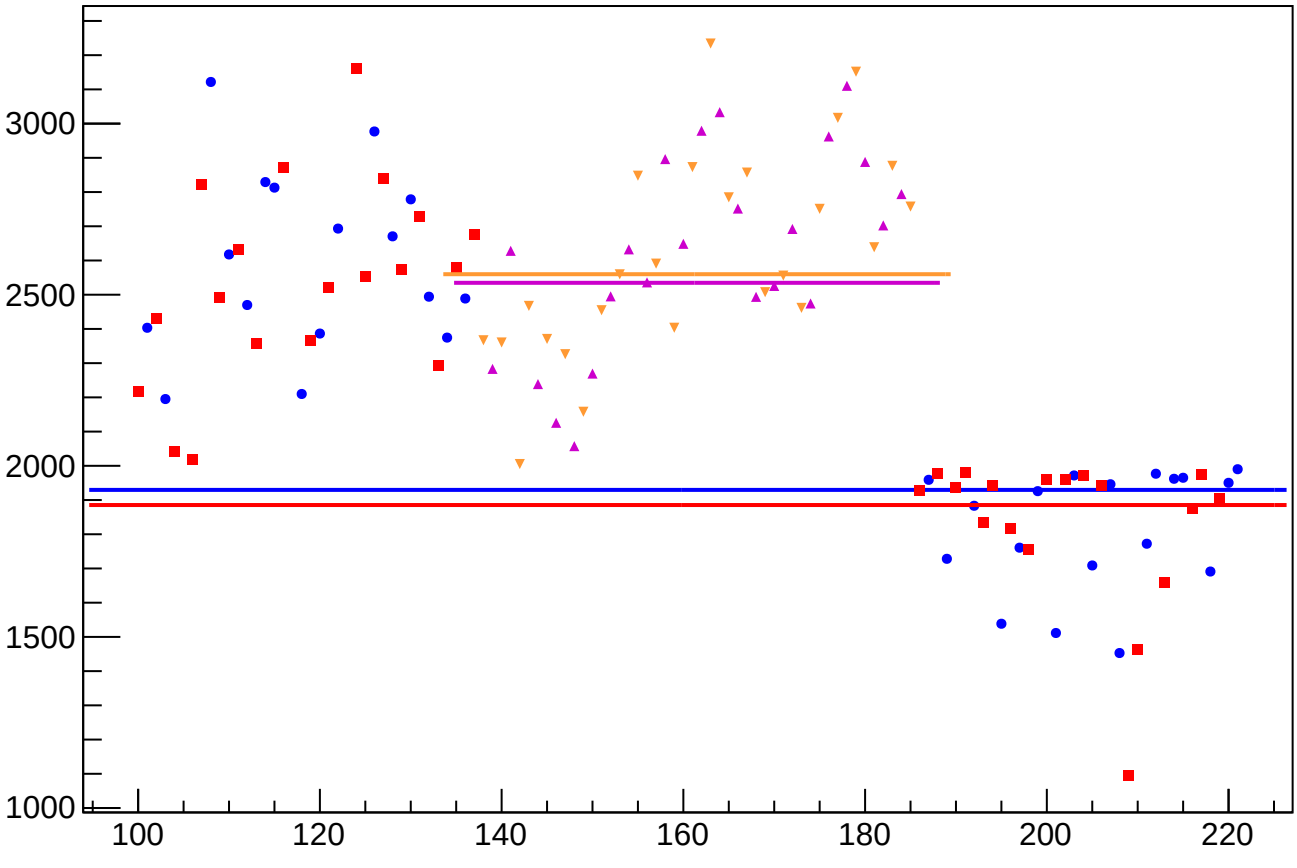
Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

Right: 18.199+/-0.297 χ^2/NDF: 14112.1/70

In: 0.304+/-0.344 χ^2/NDF:2263.6/56

Out: 17.682+/-0.341 χ^2/NDF:13825.3/61

All: 9.089+/-0.242 χ^2/NDF: 17376.0/118



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: 1885.398+/-0.296 χ^2/NDF: 2009979.9/36

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

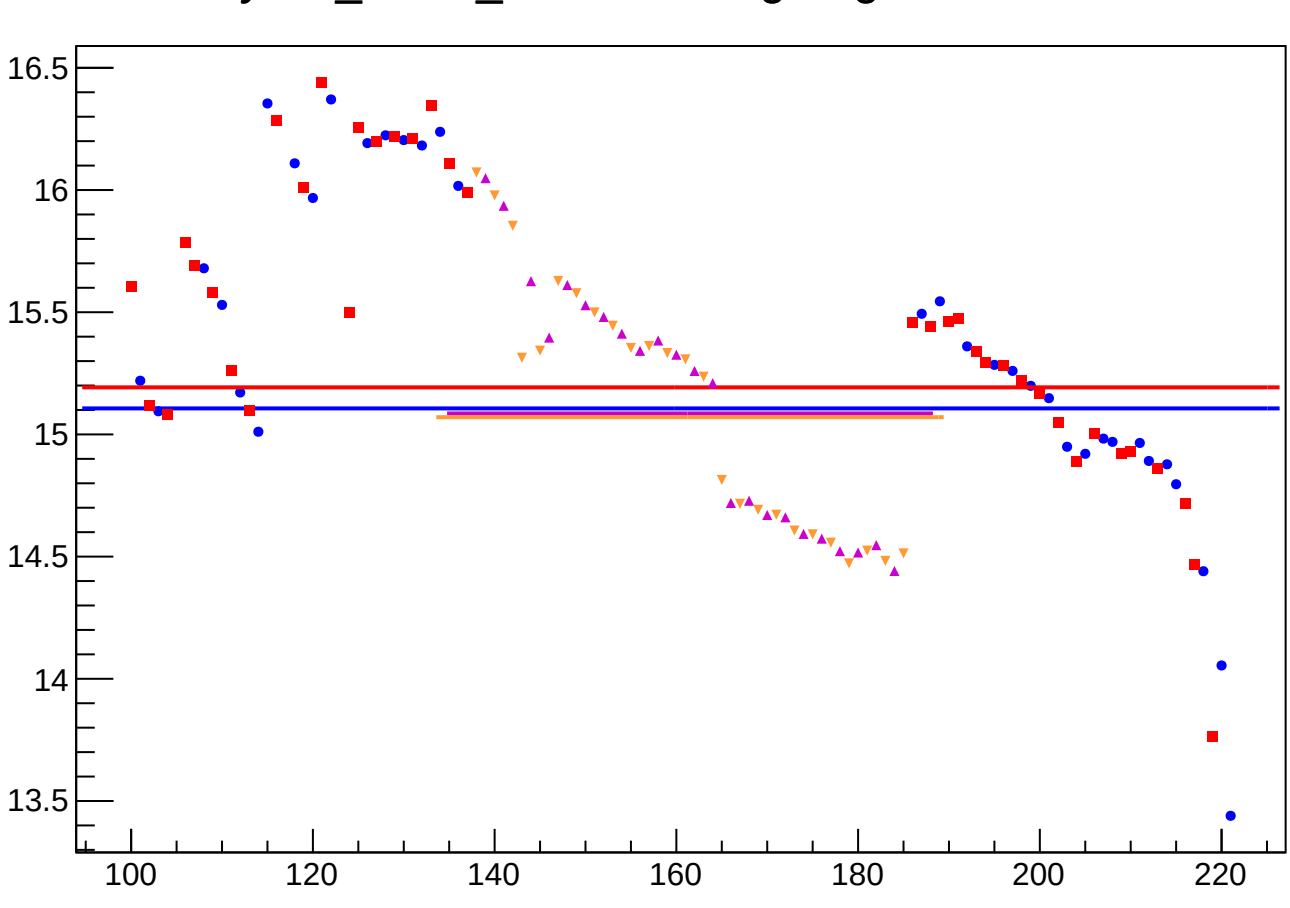
Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

Right: 1907.383+/-0.210 χ^2/NDF: 3401847.1/70

In: 2130.016+/-0.244 χ^2/NDF:3212195.6/56

Out: 2113.383+/-0.241 χ^2/NDF:4215129.6/61

All: 2121.608+/-0.171 χ^2/NDF: 7429683.4/11



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: 15.193+/-0.000 χ^2/NDF: 50772014696.4/36

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

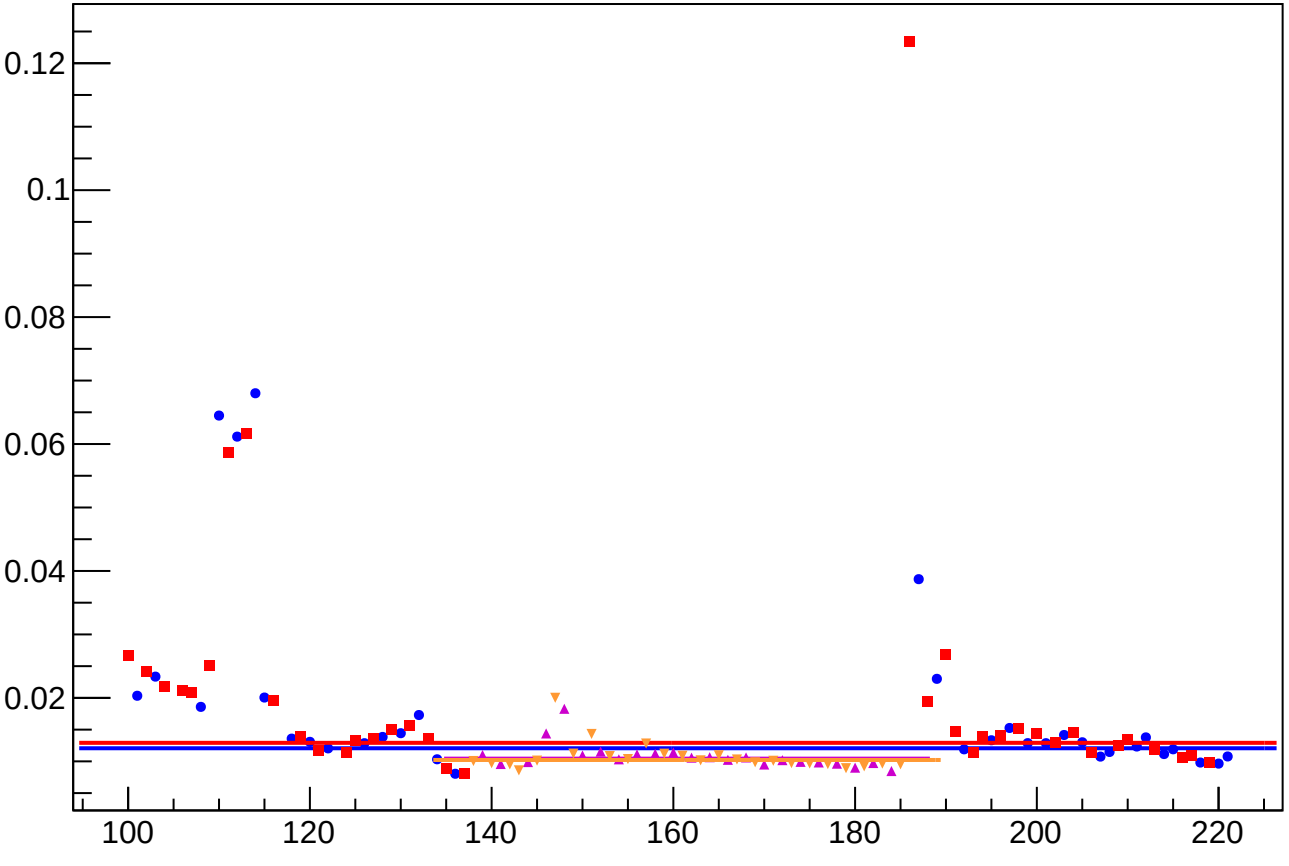
Right: 15.146+/-0.000 χ^2/NDF: 124855705864.8/70

In: 15.095+/-0.000 χ^2/NDF:113170275992.8/56

Out: 15.118+/-0.000 χ^2/NDF:95500148077.3/61

All: 15.106+/-0.000 χ^2/NDF: 208745337077.

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: 3754980.5/36

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

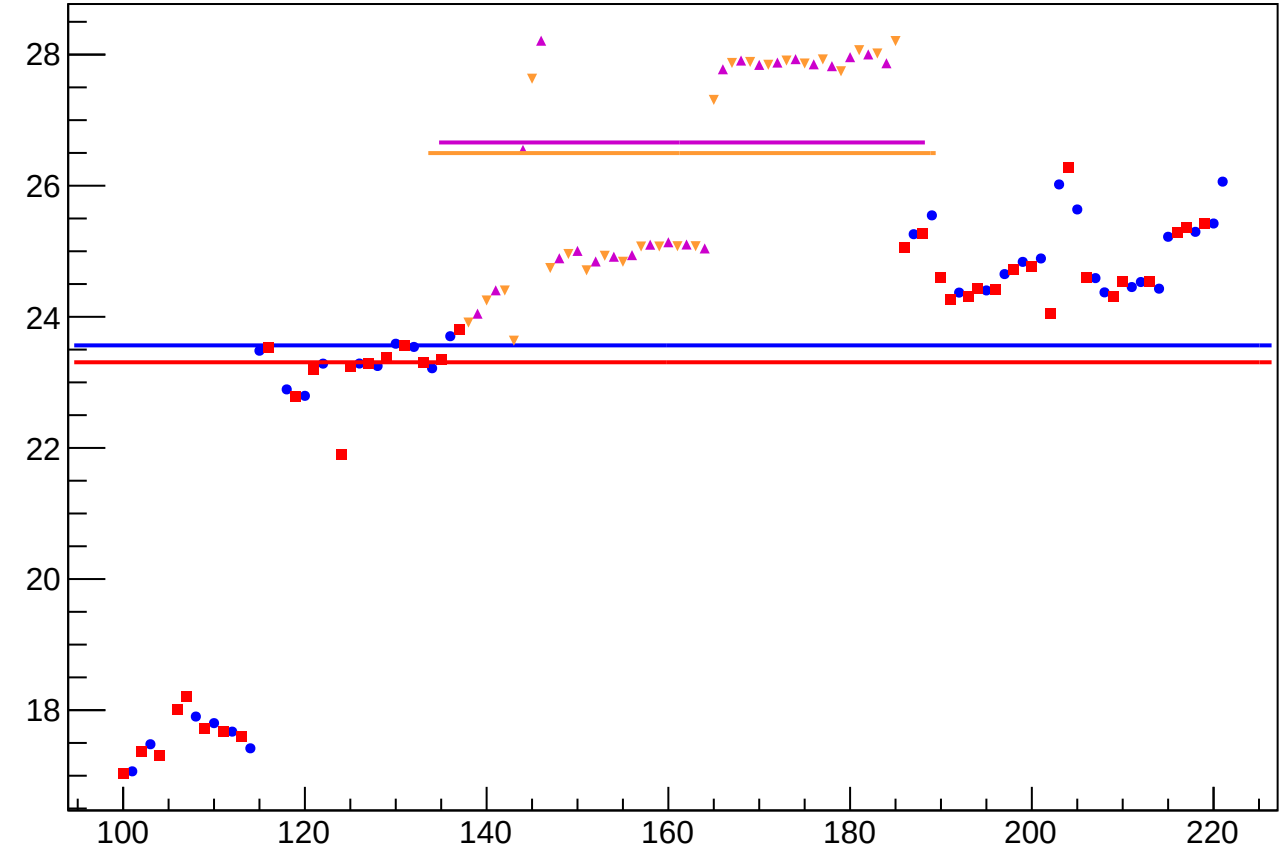
Right: 0.012+/-0.000 χ^2/NDF: 6997327.5/70

In: 0.011+/-0.000 χ^2/NDF:4137091.8/56

Out: 0.011+/-0.000 χ^2/NDF:5503146.8/61

All: 0.011+/-0.000 χ^2/NDF: 9642791.6/118

yield_sam2_mean vs Slug, Sign Corrected



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: 23.307+/-0.000 χ^2/NDF: 1935764835.7/36

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

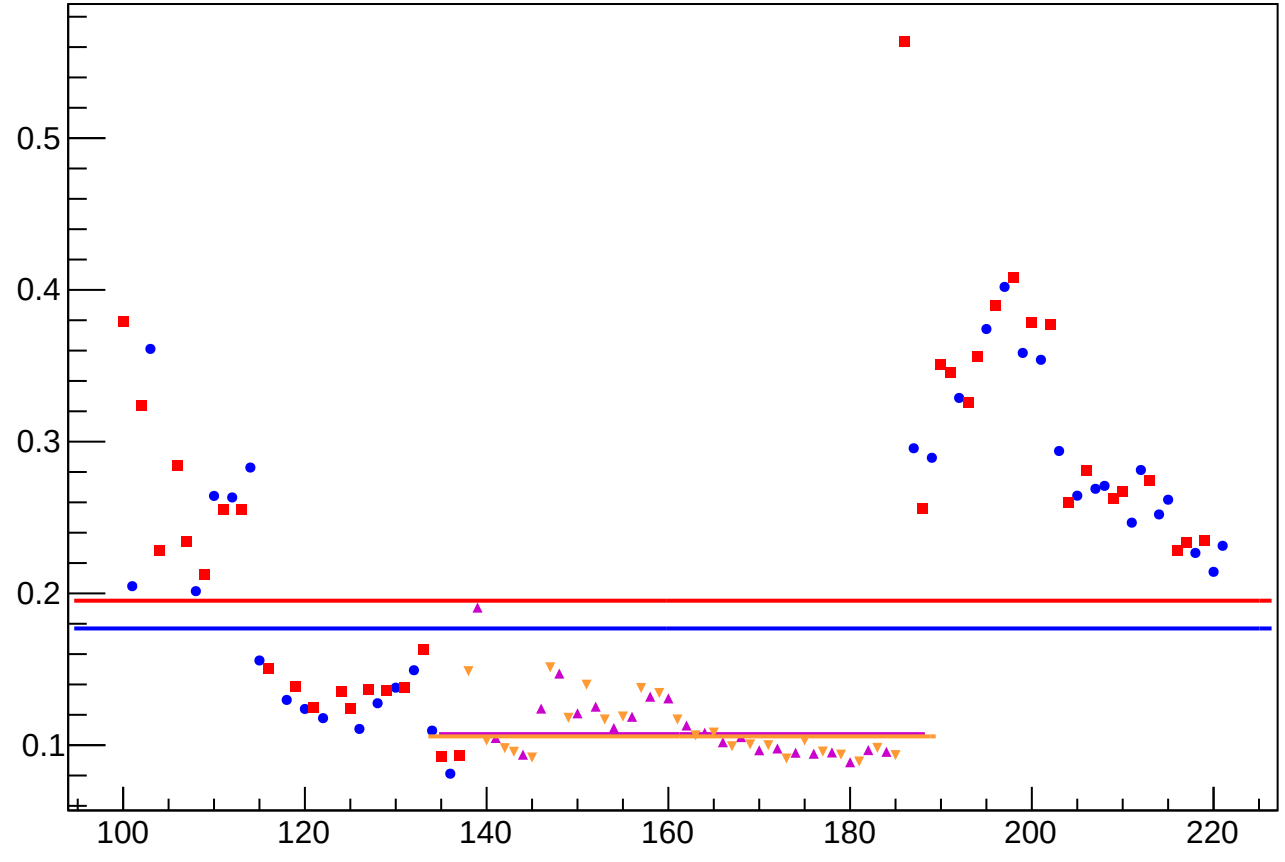
Right: 23.448+/-0.000 χ^2/NDF: 3901621592.7/70

In: 25.788+/-0.000 χ^2/NDF:8504570019.2/56

Out: 25.768+/-0.000 χ^2/NDF:9300215742.8/61

All: 25.778+/-0.000 χ^2/NDF: 17805200391.1

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: 0.195+/-0.000 χ^2/NDF: 6801167.8/36

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

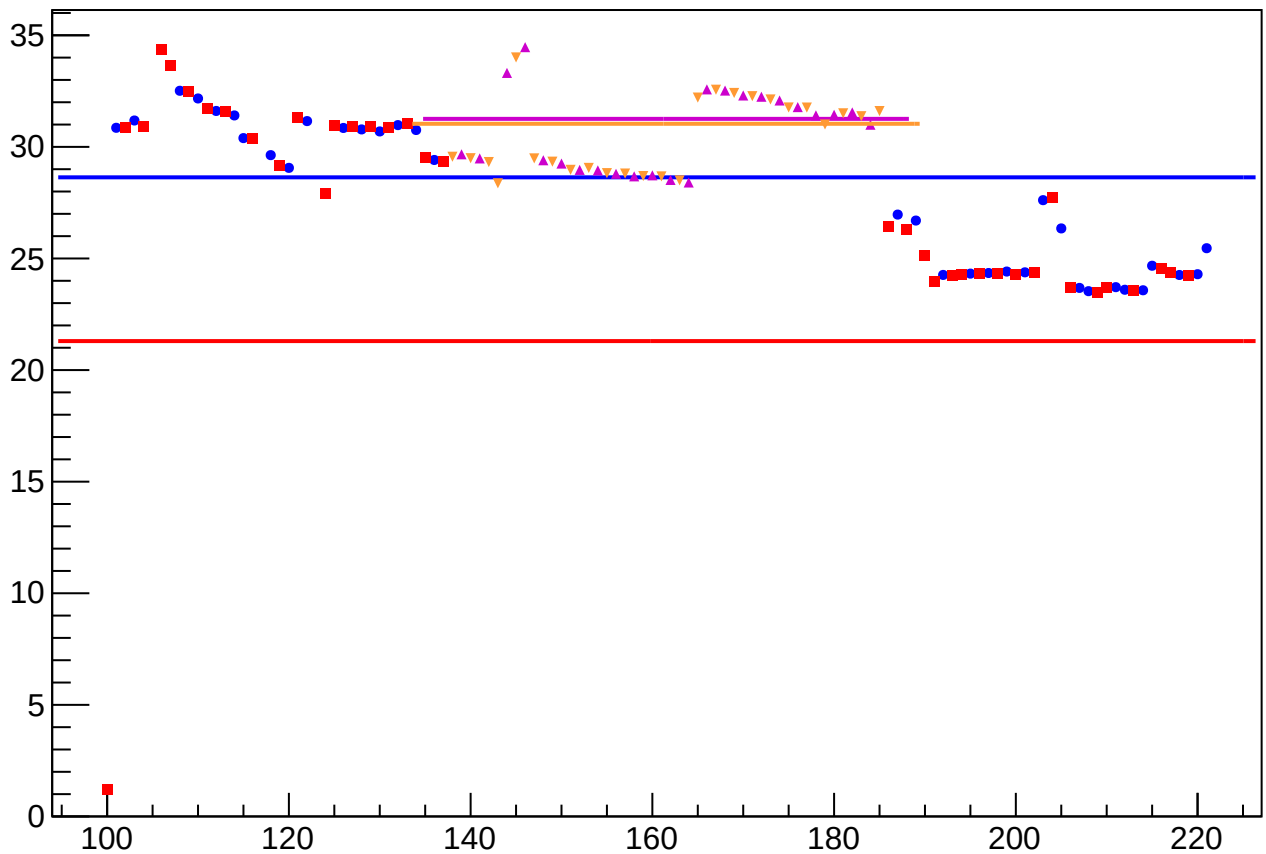
Right: 0.185+/-0.000 χ^2/NDF: 14814727.4/70

In: 0.127+/-0.000 χ^2/NDF:12425026.5/56

Out: 0.126+/-0.000 χ^2/NDF:12982459.7/61

All: 0.127+/-0.000 χ^2/NDF: 25408220.5/118

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: 21.299+/-0.000 χ^2/NDF: 227094085033.1/36

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

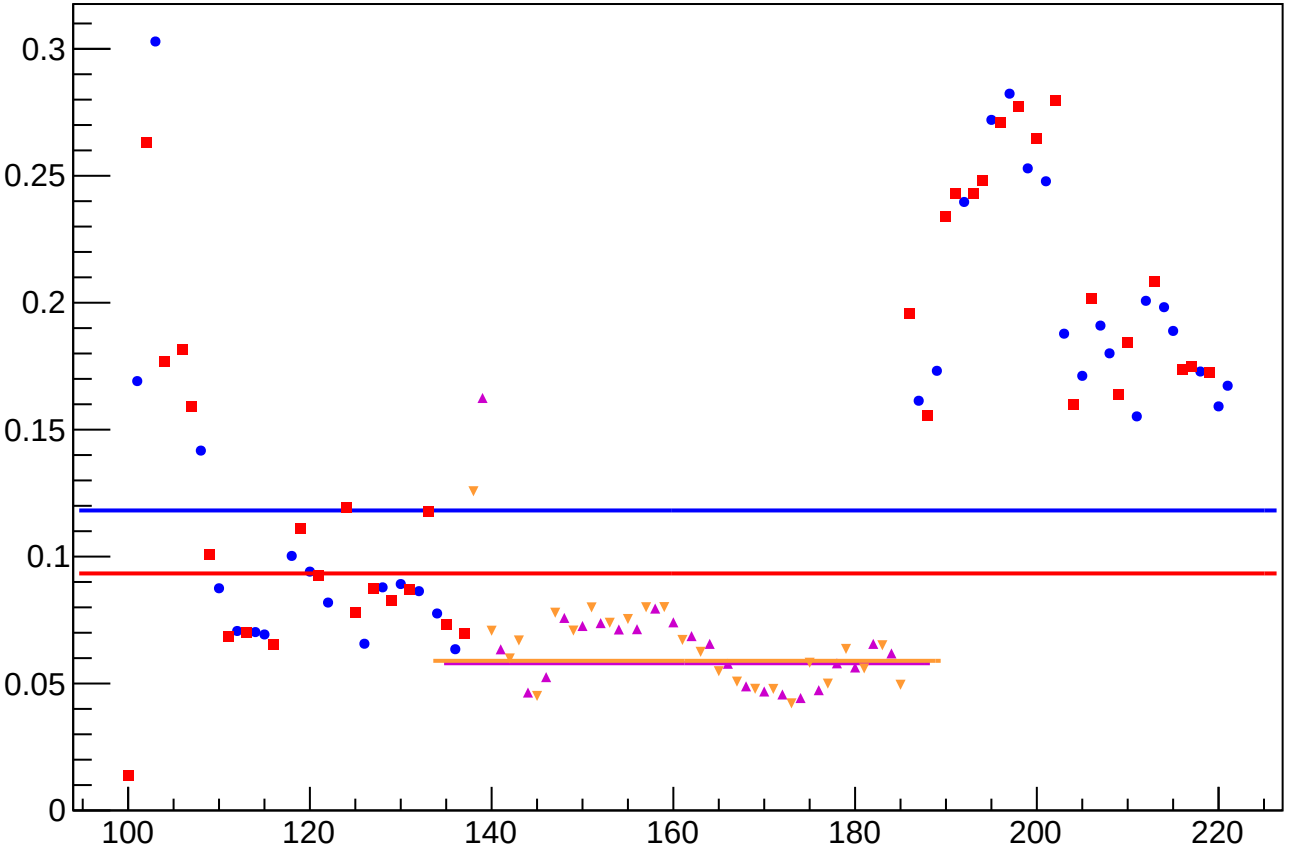
Right: 24.584+/-0.000 χ^2/NDF: 271593574229.0/70

In: 30.681+/-0.000 χ^2/NDF:28853215068.3/56

Out: 28.599+/-0.000 χ^2/NDF:340565173408.0/61

All: 29.600+/-0.000 χ^2/NDF: 381318538662.

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: 0.093+/-0.000 χ^2/NDF: 14482435.3/36

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

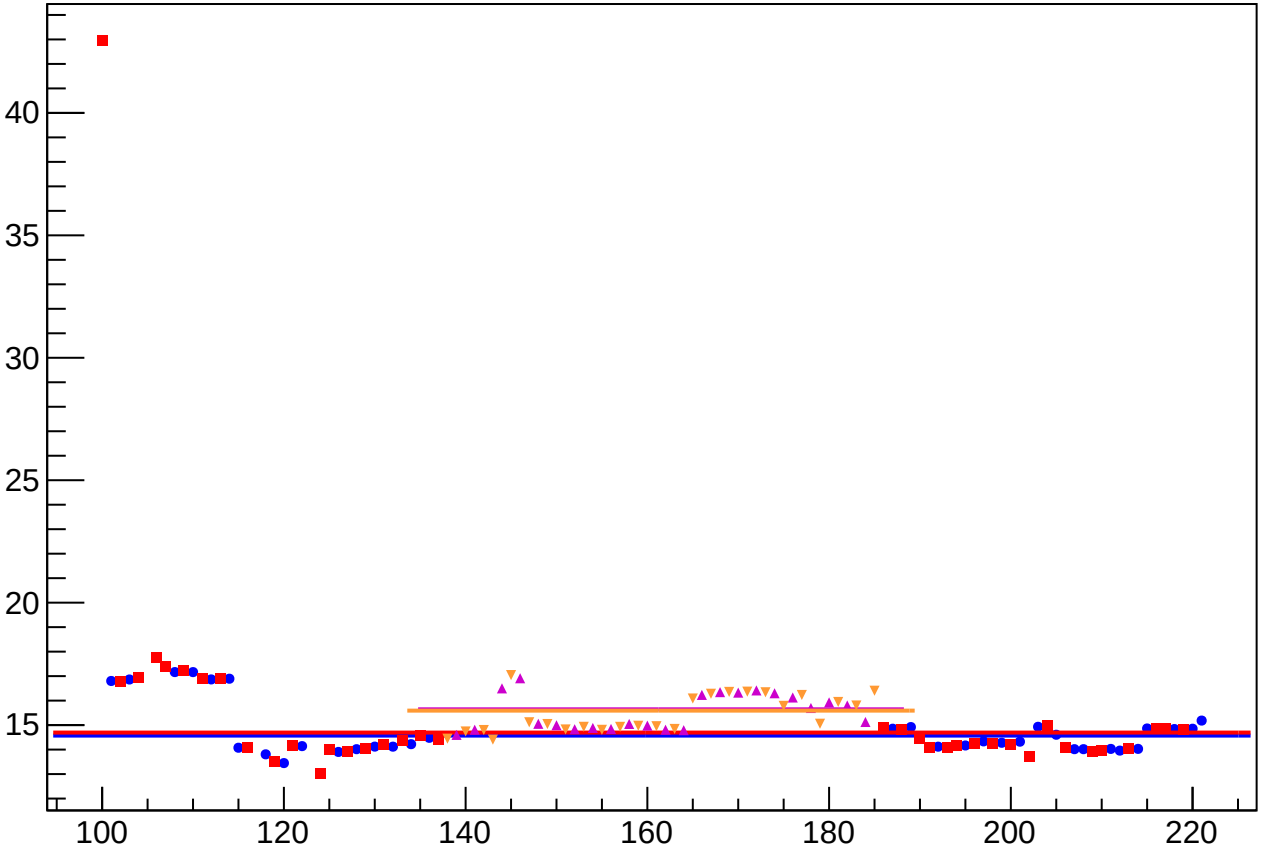
Right: 0.104+/-0.000 χ^2/NDF: 23312951.9/70

In: 0.071+/-0.000 χ^2/NDF:16313900.2/56

Out: 0.068+/-0.000 χ^2/NDF:18557406.7/61

All: 0.069+/-0.000 χ^2/NDF: 34943562.0/118

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: 14.695+/-0.000 χ^2/NDF: 1876362459.9/36

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

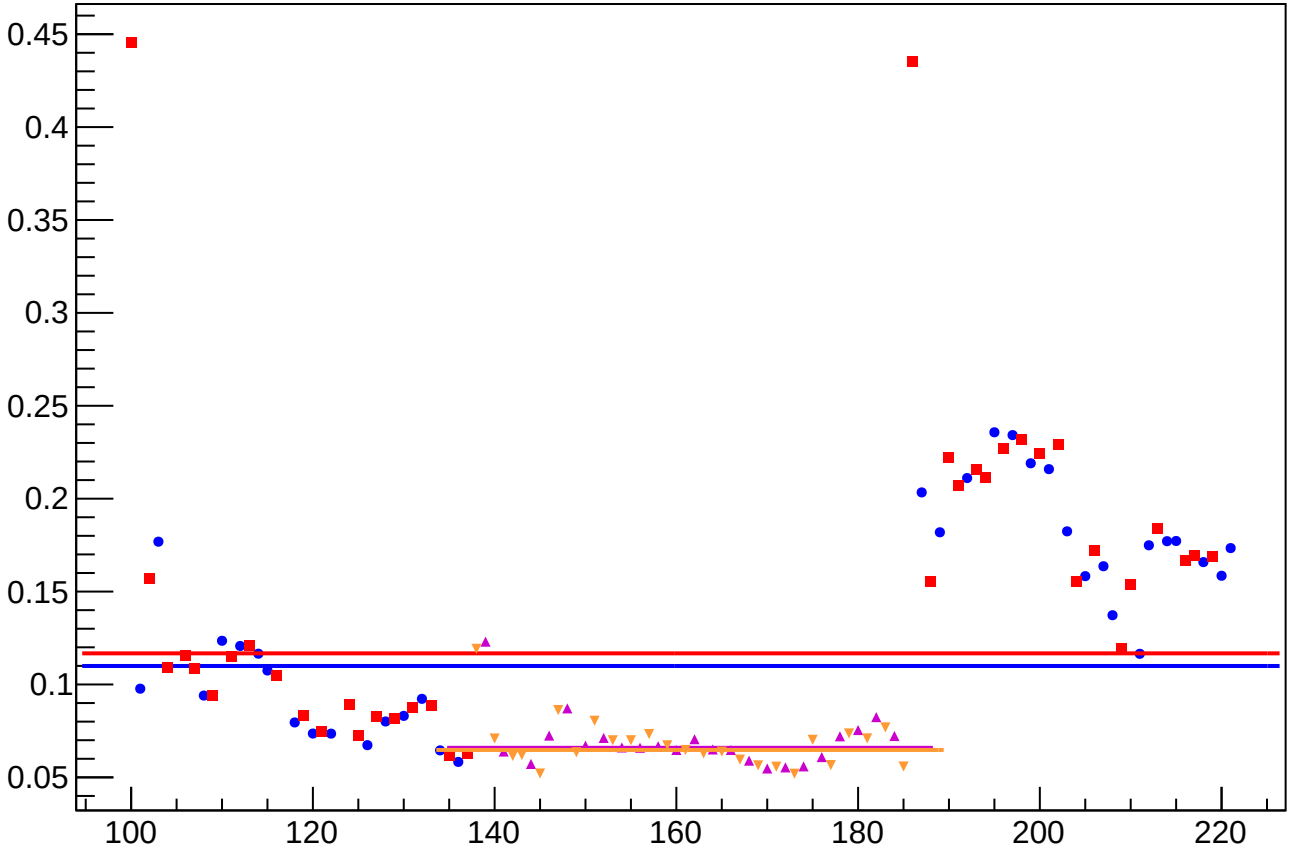
Right: 14.629+/-0.000 χ^2/NDF: 3178534379.0/70

In: 15.340+/-0.000 χ^2/NDF:4319428868.0/56

Out: 15.375+/-0.000 χ^2/NDF:4892314347.3/61

All: 15.358+/-0.000 χ^2/NDF: 9214717182.5/1

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: 0.117+/-0.000 χ^2/NDF: 6435746.8/36

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

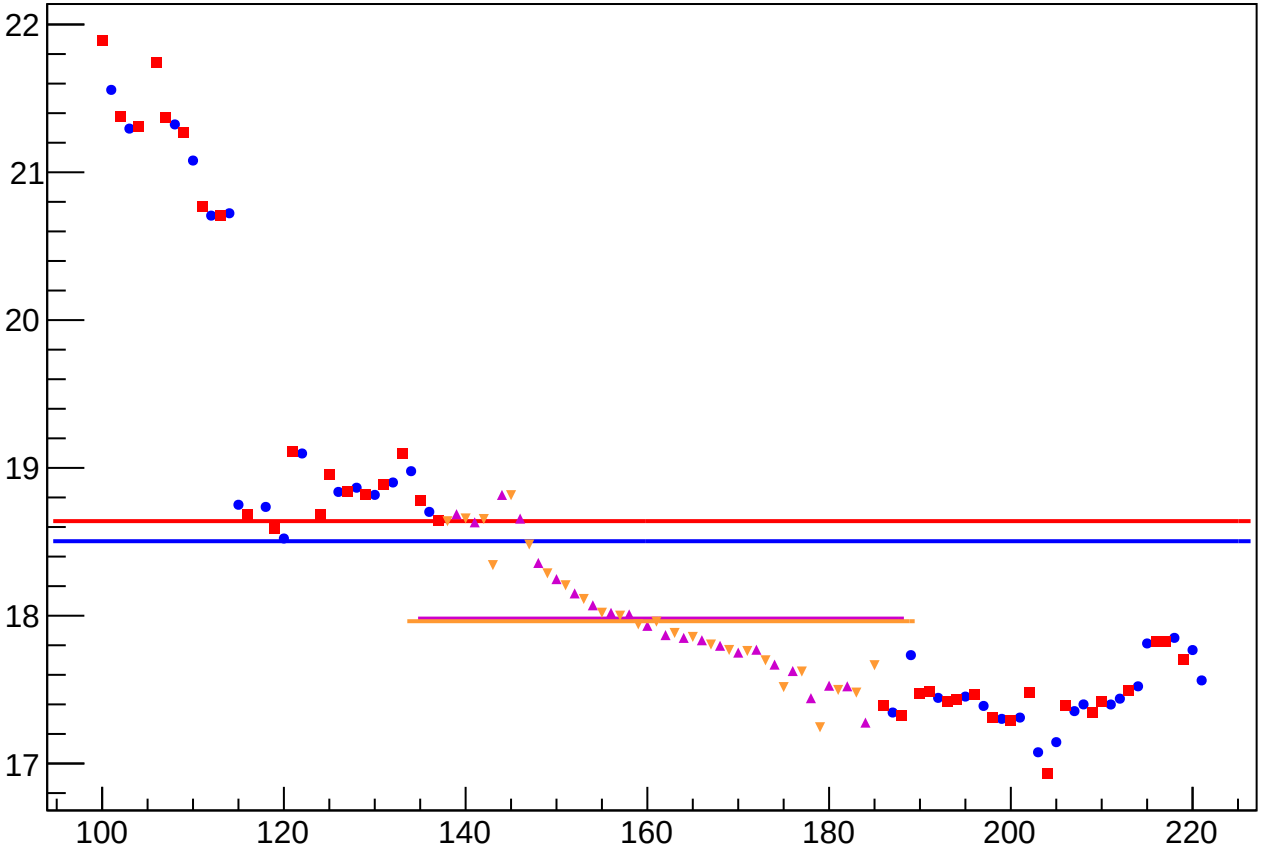
Right: 0.113+/-0.000 χ^2/NDF: 13652085.8/70

In: 0.078+/-0.000 χ^2/NDF:11882805.6/56

Out: 0.077+/-0.000 χ^2/NDF:12396205.5/61

All: 0.078+/-0.000 χ^2/NDF: 24284831.7/118

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: 18.640+/-0.000 χ^2/NDF: 38373745663.1/36

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

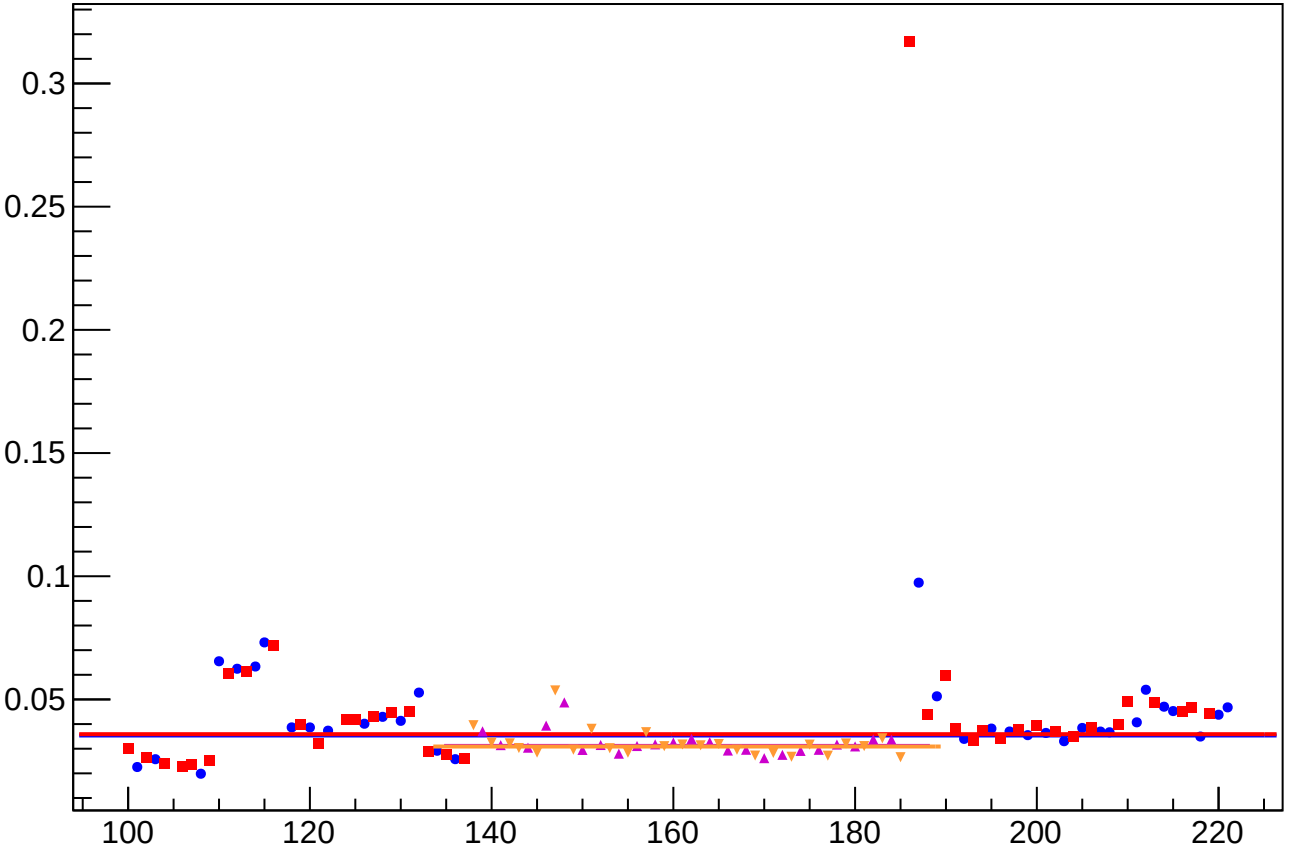
Right: 18.570+/-0.000 χ^2/NDF: 74740036123.1/70

In: 18.225+/-0.000 χ^2/NDF:41232197251.6/56

Out: 18.256+/-0.000 χ^2/NDF:45230403144.2/61

All: 18.241+/-0.000 χ^2/NDF: 86479532009.8

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: 2806822.8/36

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

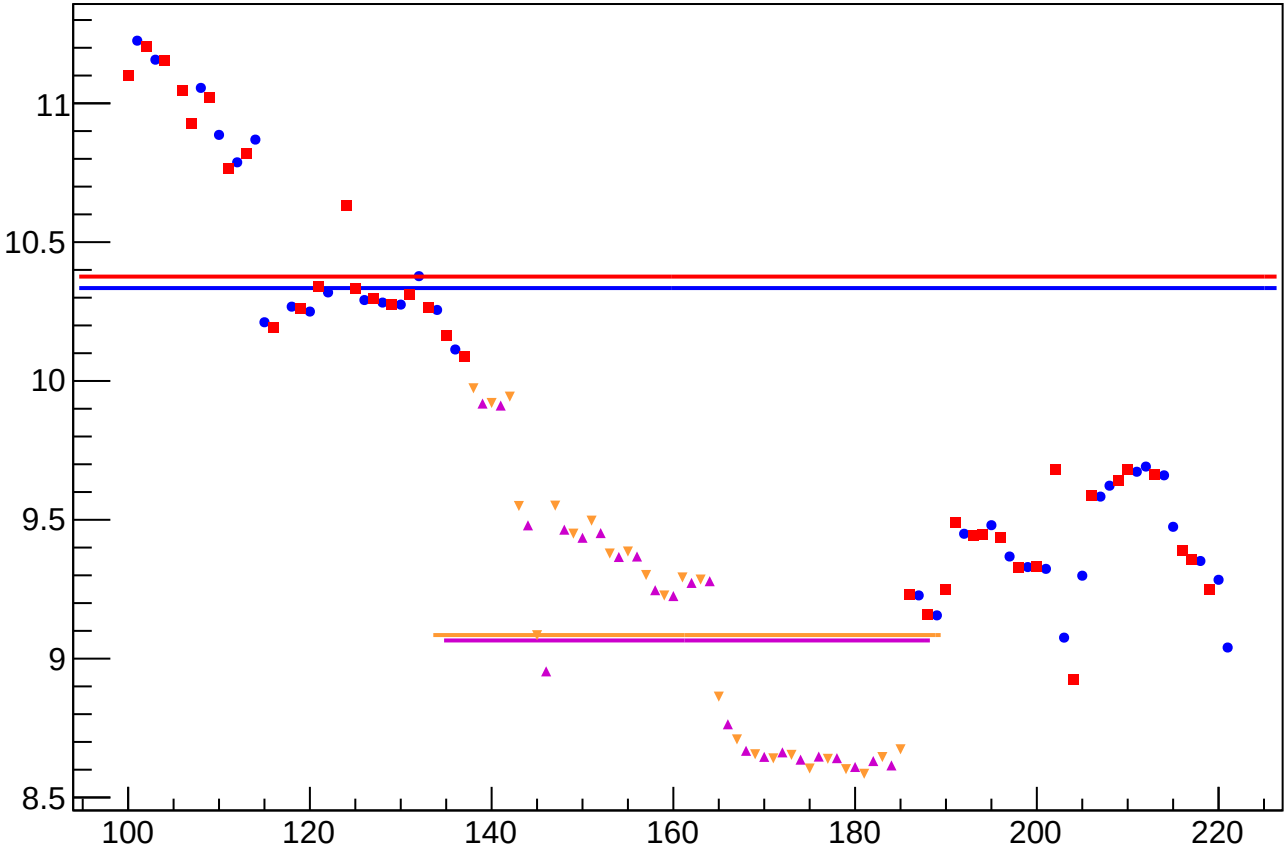
Right: 0.036+/-0.000 χ^2/NDF: 5459967.3/70

In: 0.033+/-0.000 χ^2/NDF:3430530.6/56

Out: 0.033+/-0.000 χ^2/NDF:3857760.4/61

All: 0.033+/-0.000 χ^2/NDF: 7288372.7/118

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: 10.376+/-0.000 χ^2/NDF: 17540532924.1/36

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

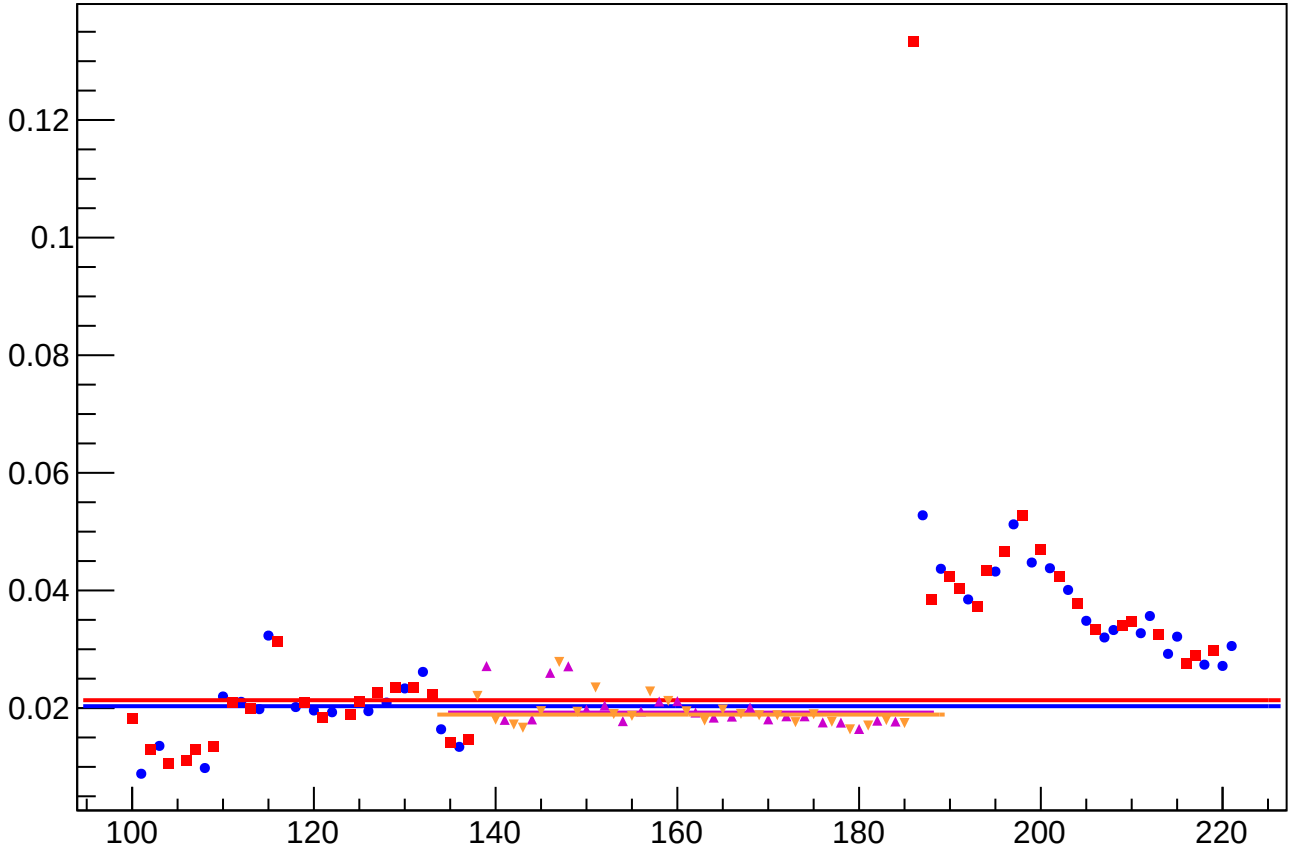
Right: 10.354+/-0.000 χ^2/NDF: 38549749305.6/70

In: 9.661+/-0.000 χ^2/NDF:62882948834.0/56

Out: 9.626+/-0.000 χ^2/NDF:62197232816.4/61

All: 9.644+/-0.000 χ^2/NDF: 125130207915.7

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: 0.021+/-0.000 χ^2/NDF: 8279438.3/36

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

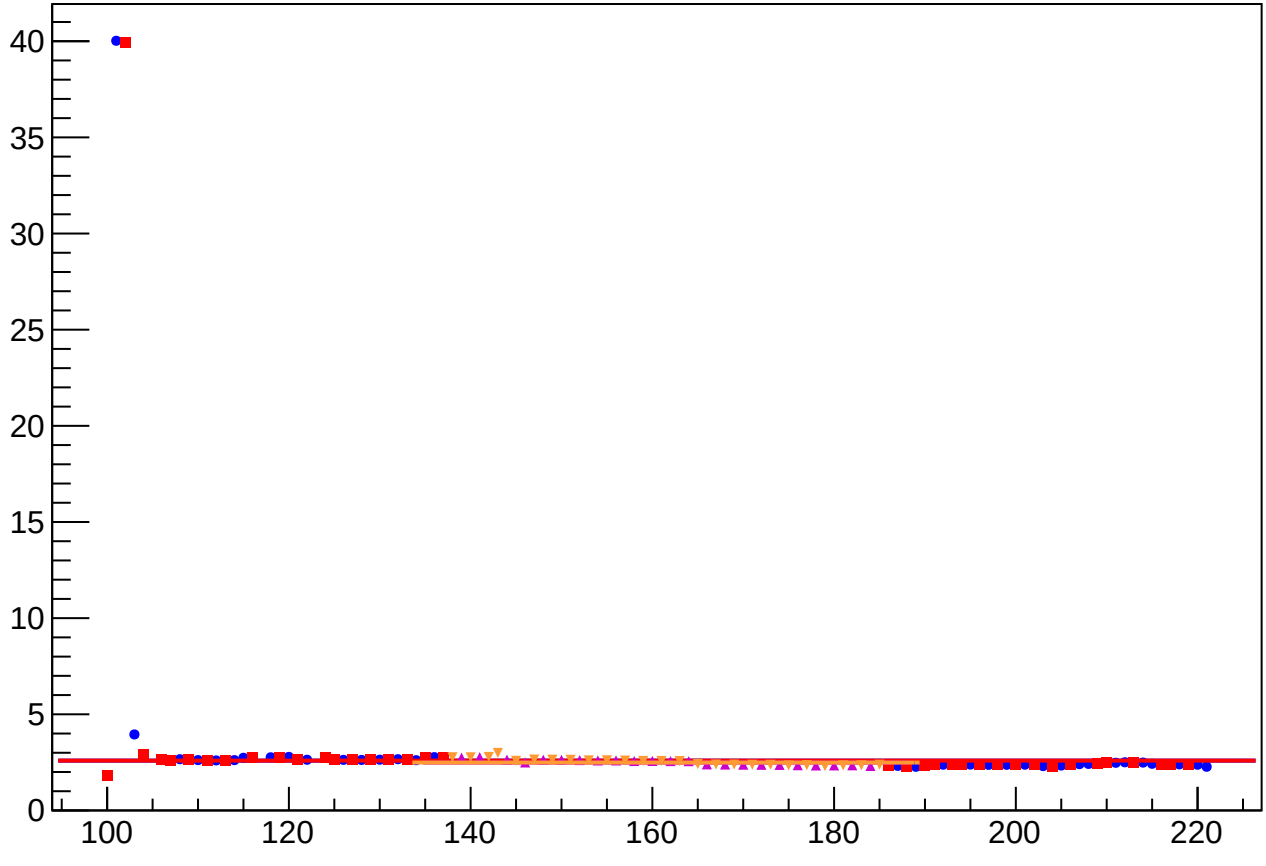
Right: 0.021+/-0.000 χ^2/NDF: 17216522.2/70

In: 0.020+/-0.000 χ^2/NDF:9488764.8/56

Out: 0.020+/-0.000 χ^2/NDF:8967528.4/61

All: 0.020+/-0.000 χ^2/NDF: 18458961.2/118

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: 2.592+/-0.000 χ^2/NDF: 90899825682.1/36

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

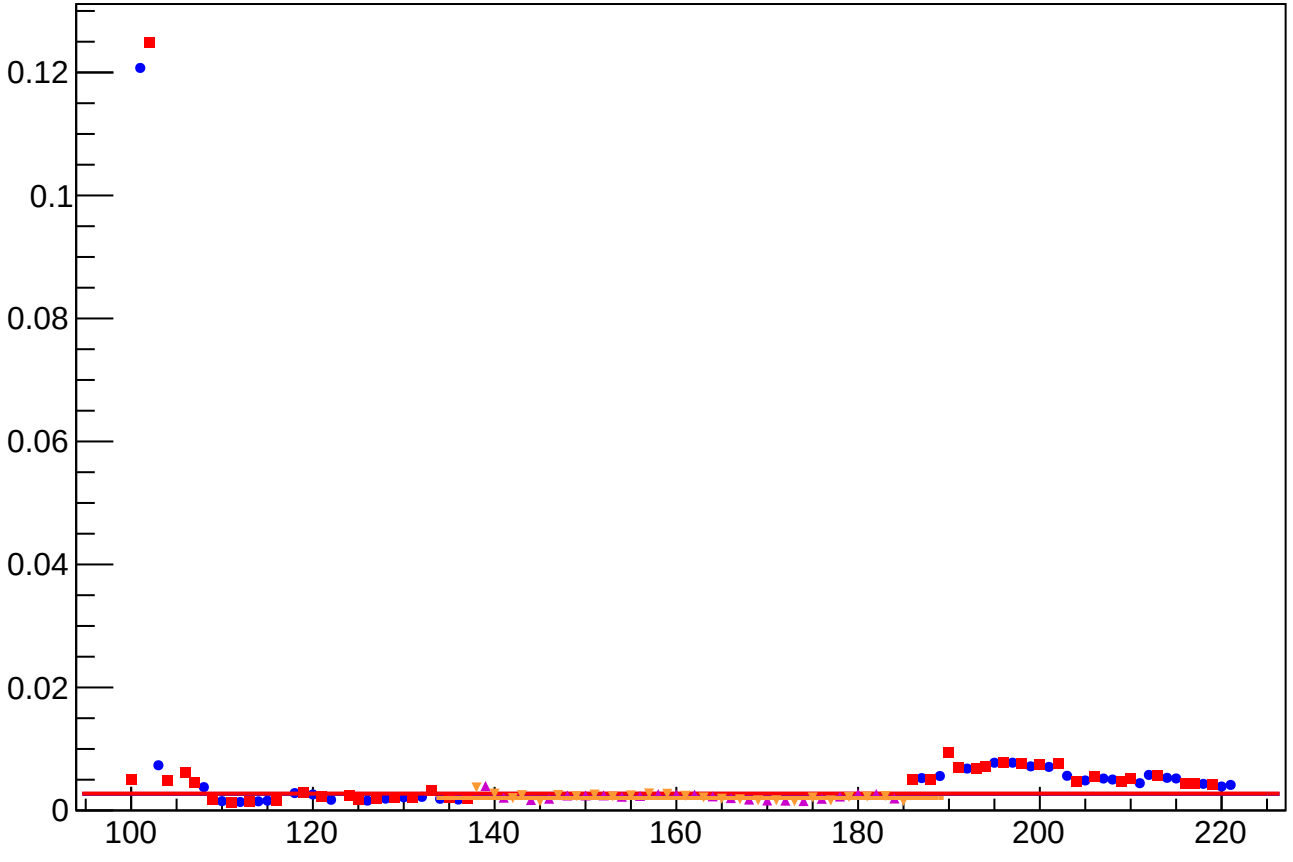
Right: 2.591+/-0.000 χ^2/NDF: 190455841589.7/70

In: 2.526+/-0.000 χ^2/NDF:173766107335.2/56

Out: 2.524+/-0.000 χ^2/NDF:195793490120.6/61

All: 2.525+/-0.000 χ^2/NDF: 369564038717.5

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: 12069593.0/36

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

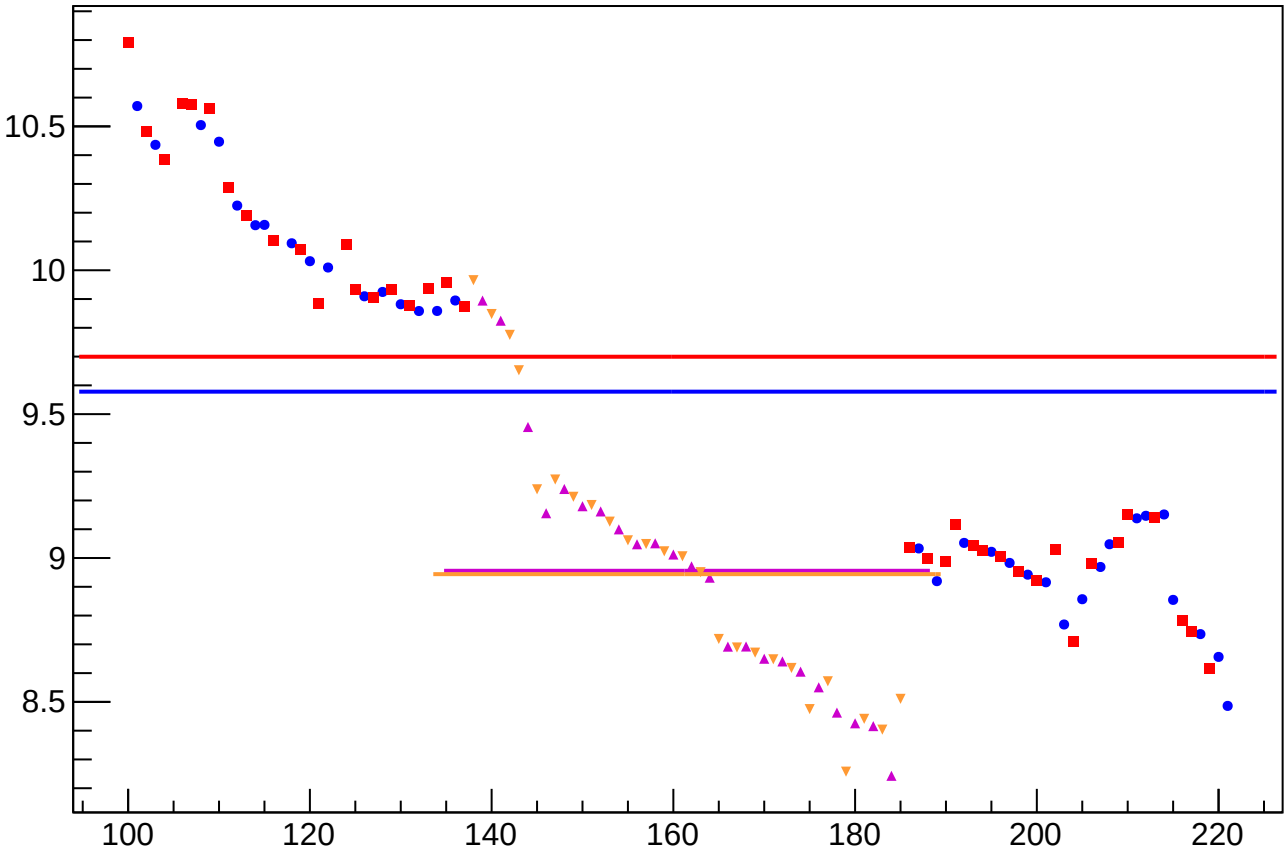
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.003+/-0.000 χ^2/NDF: 23585014.6/70

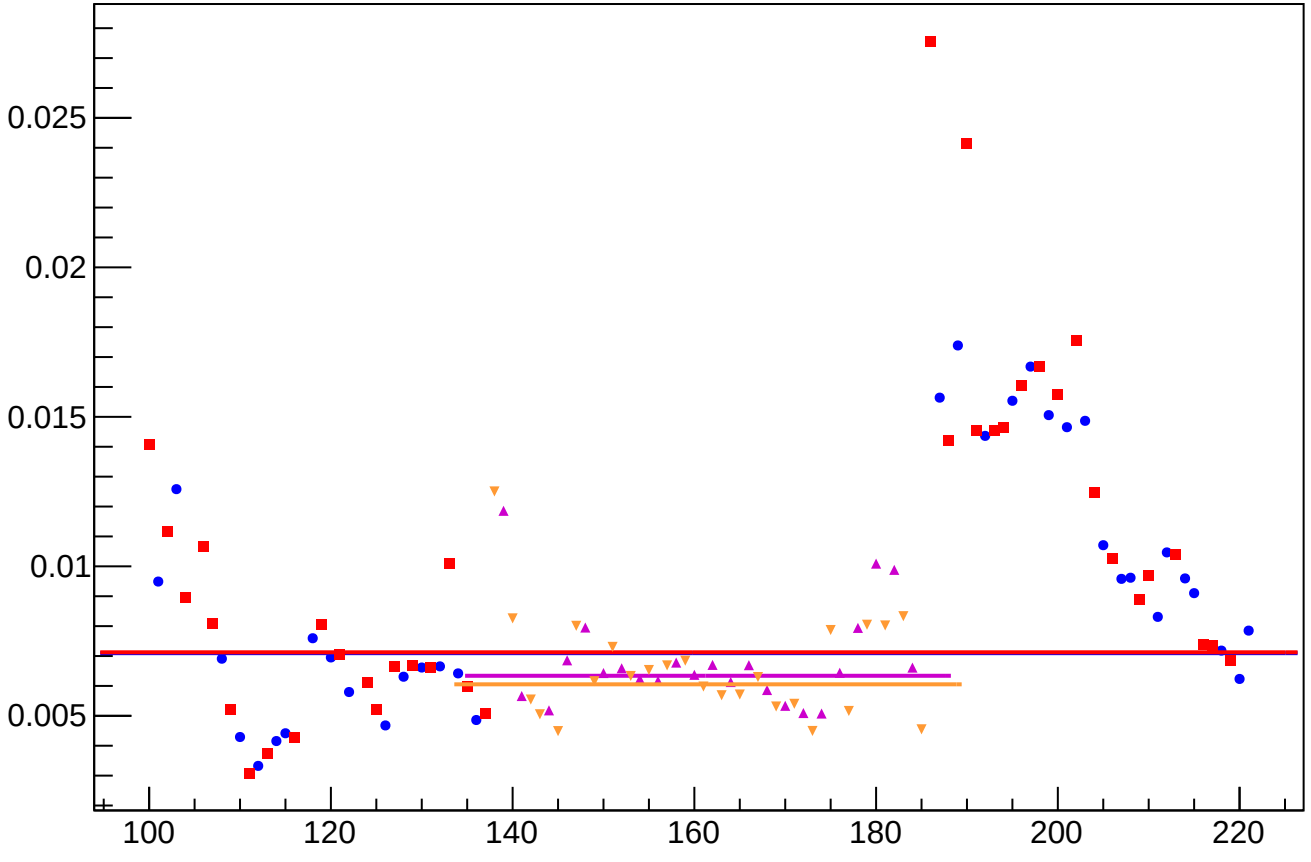
In: 0.002+/-0.000 χ^2/NDF:13897054.7/56

Out: 0.002+/-0.000 χ^2/NDF:14897241.2/61

All: 0.002+/-0.000 χ^2/NDF: 28800845.4/118


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
120
140
160
180
200
220
Right In: 9.578+/-0.000 χ²/NDF: 142510006612.0/33
Left Out: 8.944+/-0.000 χ²/NDF:65887712966.5/24
Right Out: 9.700+/-0.000 χ²/NDF: 131162306869.6/36
Left In: 8.956+/-0.000 χ²/NDF:51572164470.4/22
Left: 8.949+/-0.000 χ²/NDF: 117486228855.1/47
Right: 9.637+/-0.000 χ²/NDF: 276054312478.4/70
In: 9.255+/-0.000 χ²/NDF:261612249465.1/56
Out: 9.267+/-0.000 χ²/NDF:298813505152.8/61
All: 9.261+/-0.000 χ²/NDF: 560478642338.9

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: 8347375.2/36

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

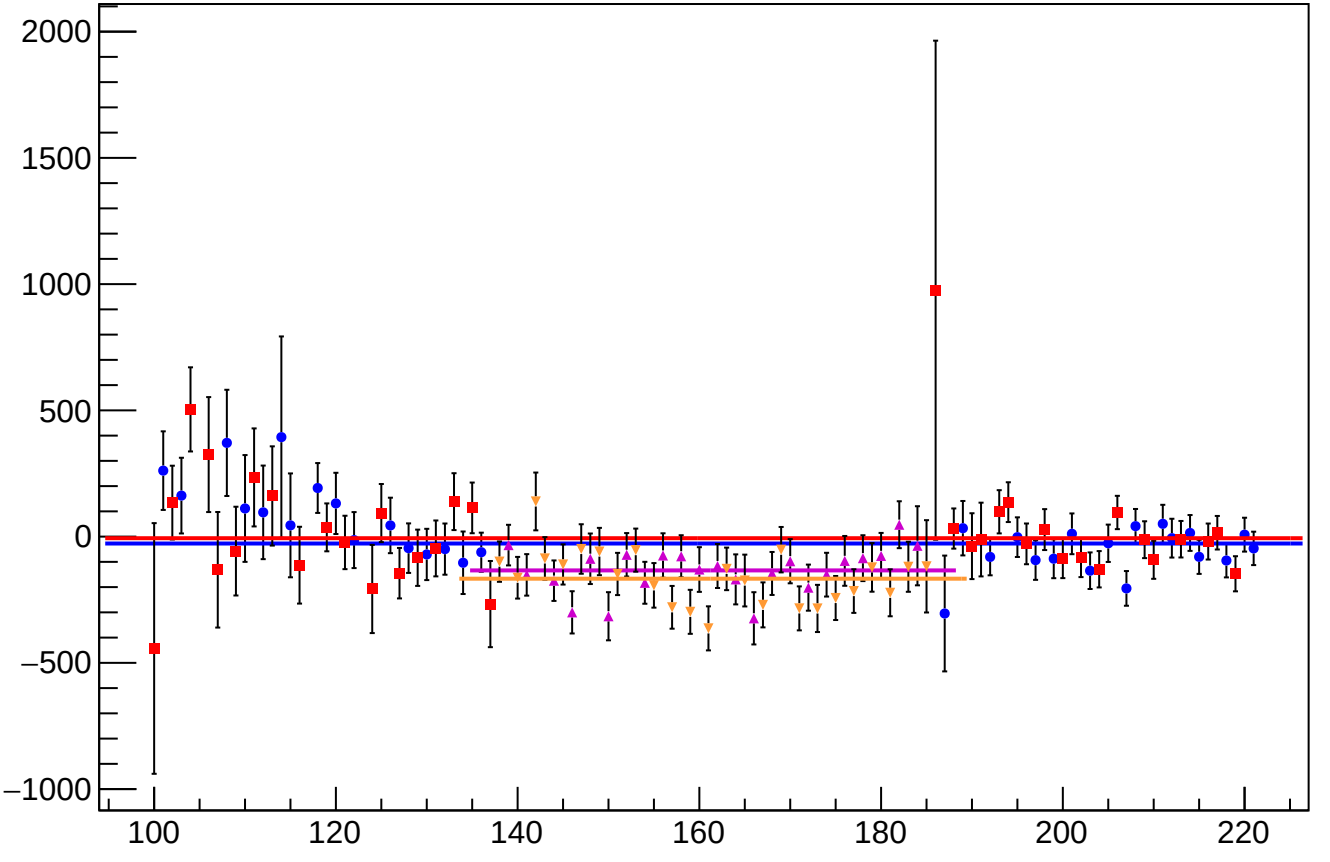
Right: 0.007+/-0.000 χ^2/NDF: 15096999.6/70

In: 0.007+/-0.000 χ^2/NDF:8124032.5/56

Out: 0.007+/-0.000 χ^2/NDF:10217518.0/61

All: 0.007+/-0.000 χ^2/NDF: 18367645.1/118

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: -6.347+/-16.114 χ^2/NDF: 45.9/36

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

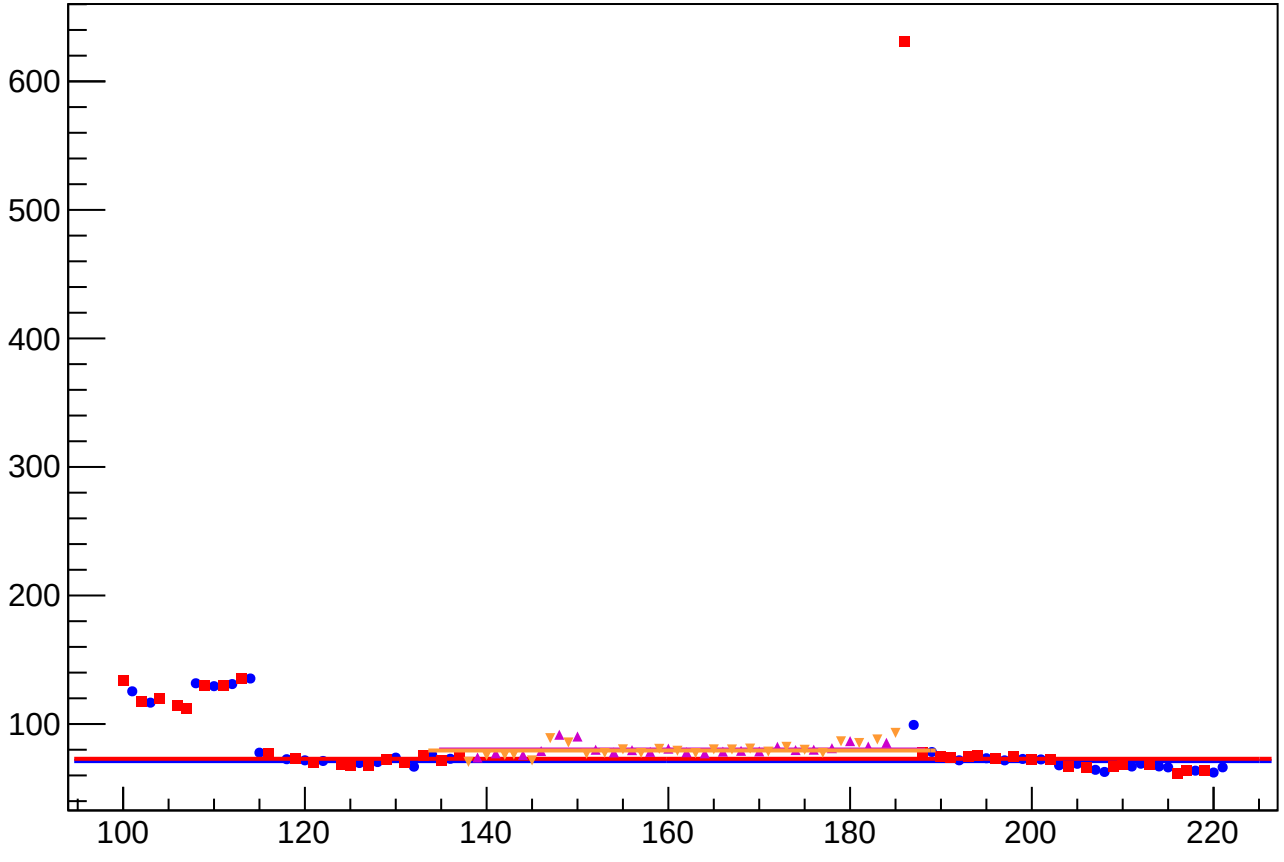
Right: -17.334+/-11.120 χ^2/NDF: 82.8/70

In: -70.103+/-11.886 χ^2/NDF:76.1/56

Out: -77.331+/-12.029 χ^2/NDF:121.3/61

All: -73.673+/-8.455 χ^2/NDF: 197.6/118

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: 72.949+/-0.011 χ^2/NDF: 1940415.5/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

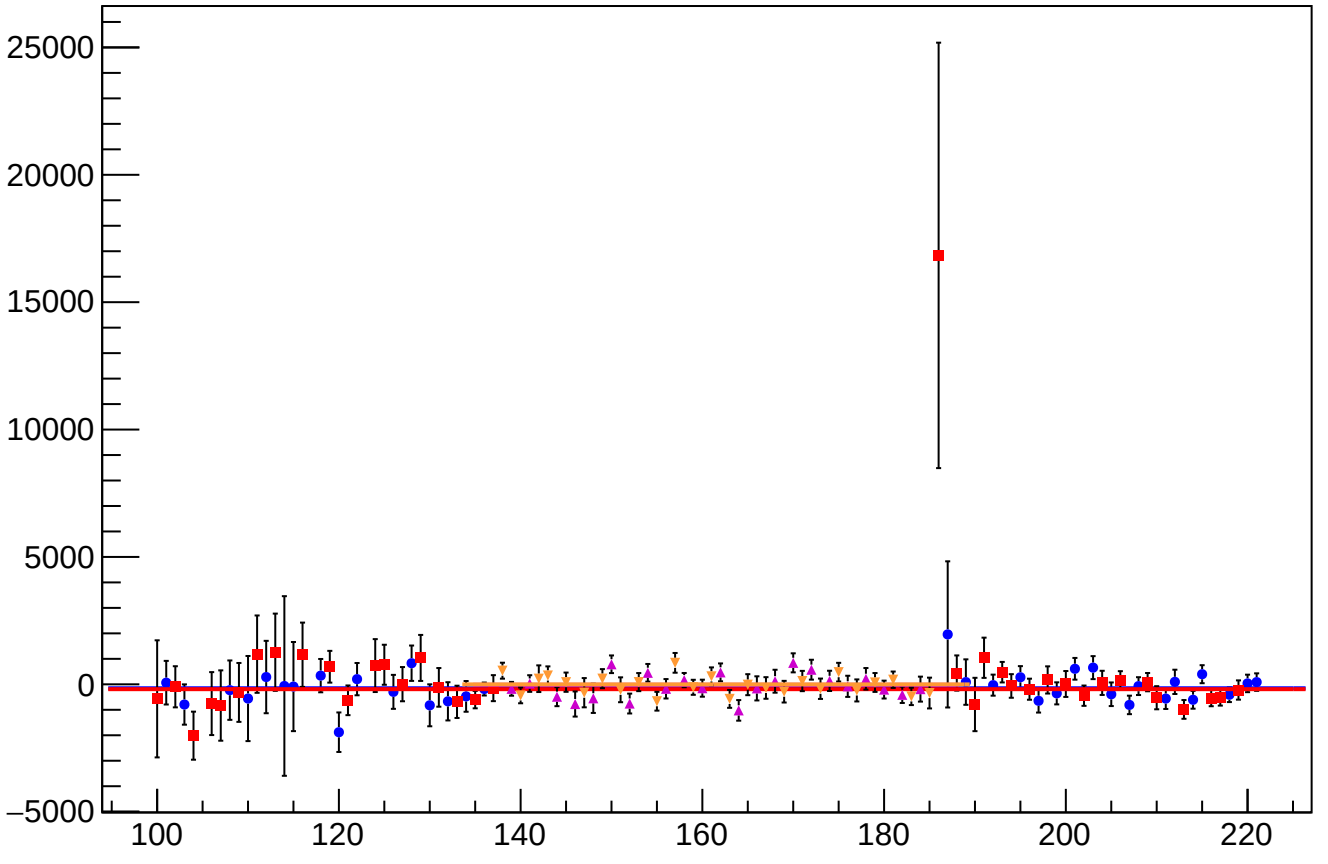
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 71.997+/-0.008 χ^2/NDF: 3165893.6/70

In: 74.757+/-0.008 χ^2/NDF:1580985.5/56

Out: 75.810+/-0.009 χ^2/NDF:2217561.9/61

All: 75.277+/-0.006 χ^2/NDF: 3806300.9/118



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: -190.475+/-88.342 χ^2/NDF: 36.8/36

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

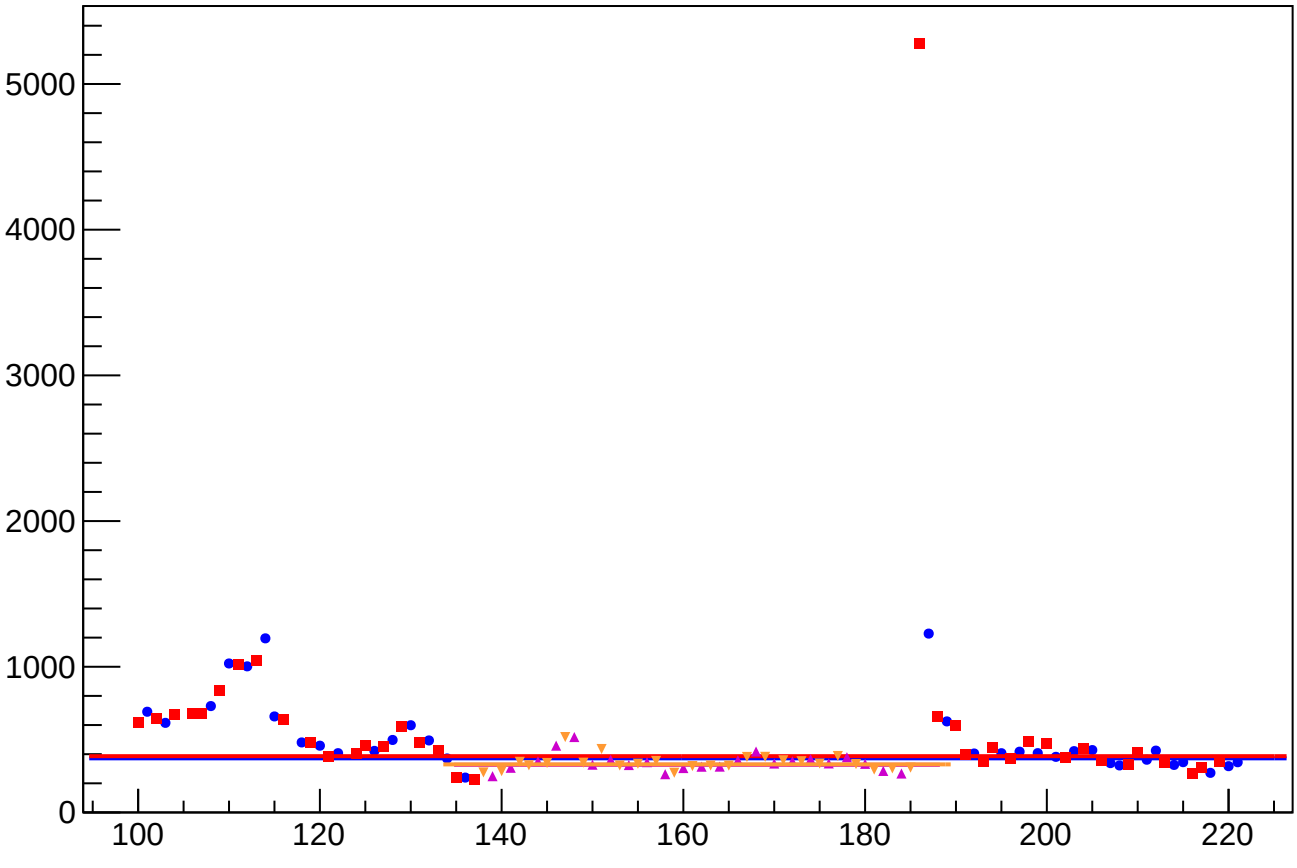
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -171.750+/-60.366 χ^2/NDF: 67.1/70

In: -82.964+/-56.559 χ^2/NDF:66.6/56

Out: -82.844+/-57.554 χ^2/NDF:63.4/61

All: -82.905+/-40.340 χ^2/NDF: 130.1/118



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: 386.306+/-0.062 χ^2/NDF: 4276770.5/36

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

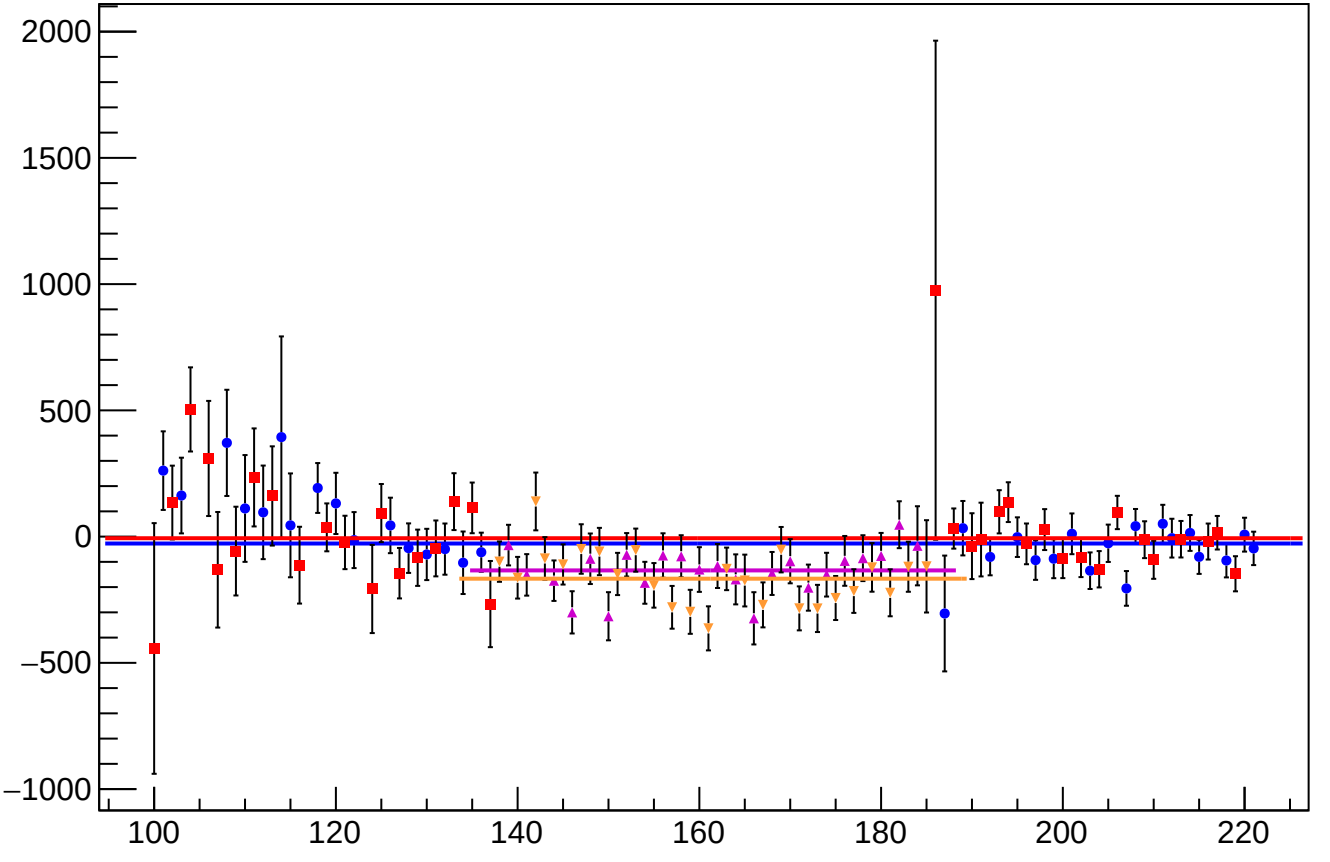
Right: 378.383+/-0.043 χ^2/NDF: 7619323.3/70

In: 347.778+/-0.040 χ^2/NDF:4519684.4/56

Out: 353.880+/-0.041 χ^2/NDF:5404169.4/61

All: 350.776+/-0.029 χ^2/NDF: 9935288.4/118

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: -6.429+/-16.115 χ^2/NDF: 45.7/36

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

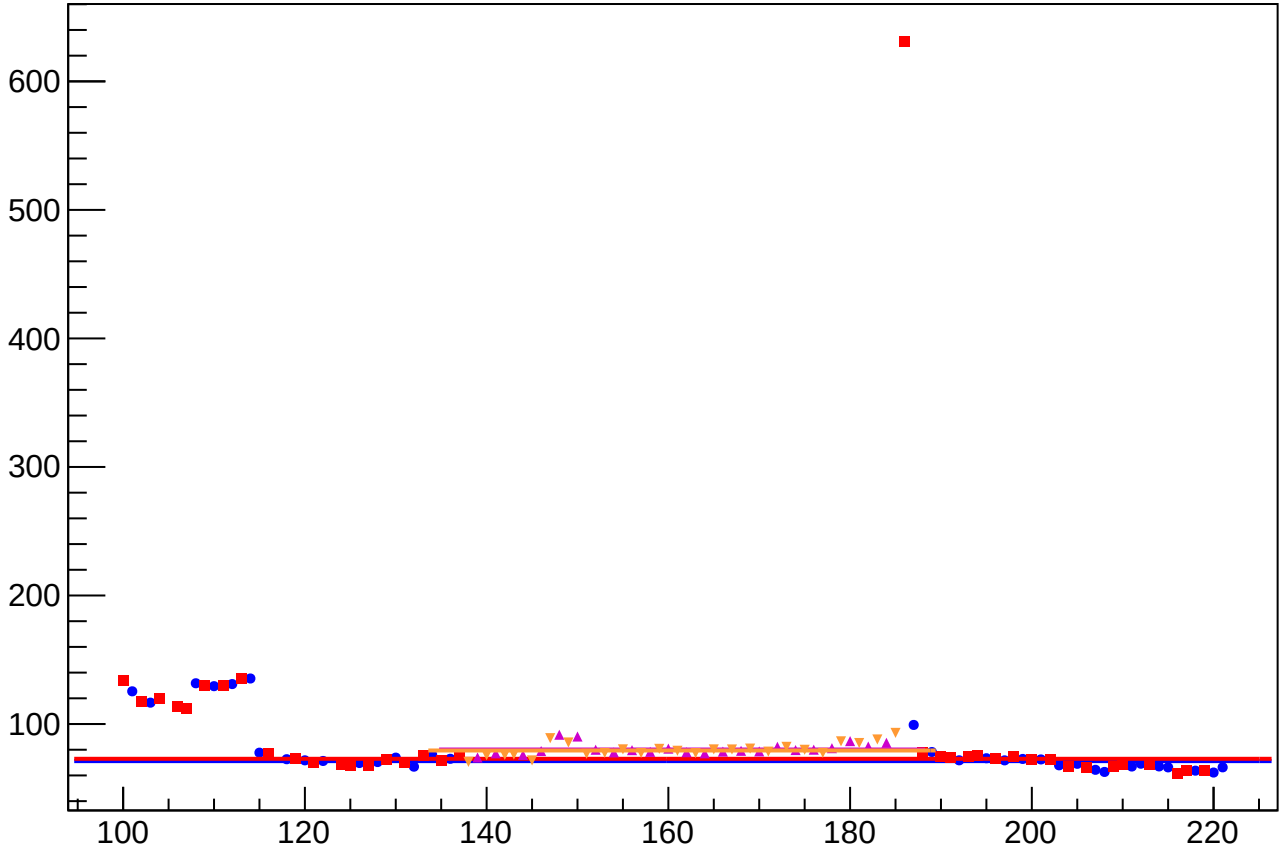
Right: -17.375+/-11.120 χ^2/NDF: 82.6/70

In: -70.107+/-11.886 χ^2/NDF:76.1/56

Out: -77.377+/-12.029 χ^2/NDF:121.1/61

All: -73.698+/-8.455 χ^2/NDF: 197.4/118

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: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

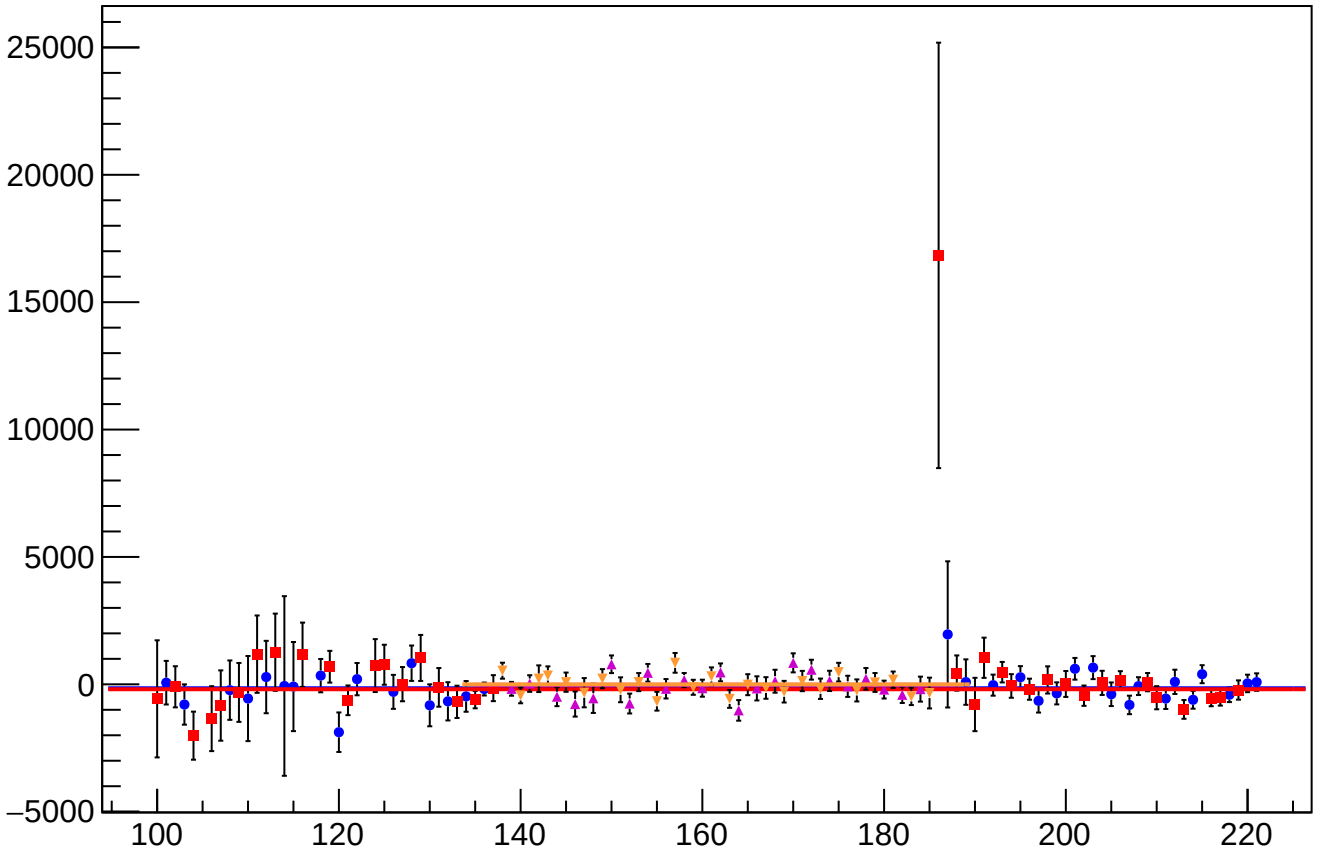
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 71.995+/-0.008 χ^2/NDF: 3163387.6/70

In: 74.757+/-0.008 χ^2/NDF:1580985.8/56

Out: 75.808+/-0.009 χ^2/NDF:2215300.9/61

All: 75.276+/-0.006 χ^2/NDF: 3804006.2/118



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: -193.149+/-88.356 χ^2/NDF: 37.4/36

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

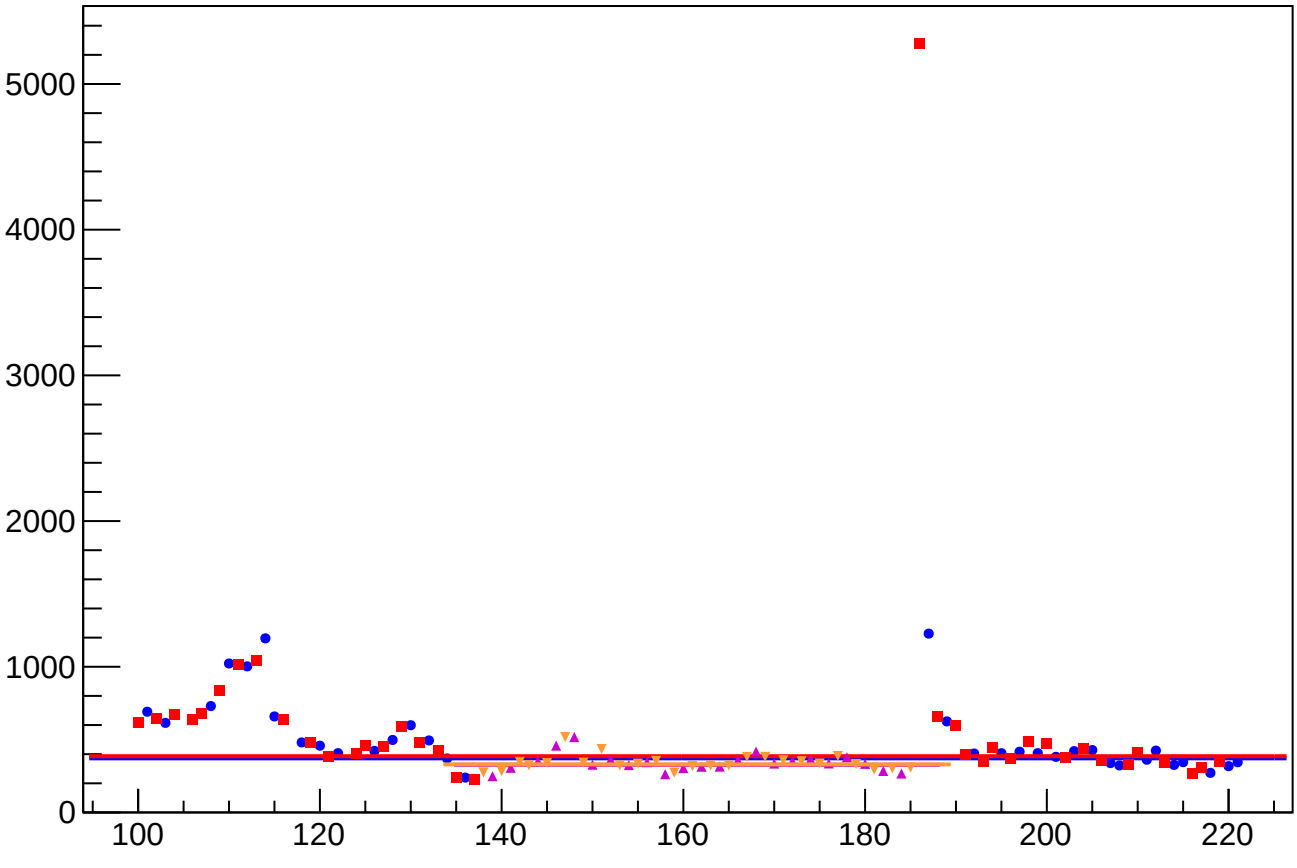
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -173.000+/-60.370 χ^2/NDF: 67.7/70

In: -82.971+/-56.559 χ^2/NDF:66.6/56

Out: -83.965+/-57.558 χ^2/NDF:64.1/61

All: -83.459+/-40.342 χ^2/NDF: 130.8/118



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: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

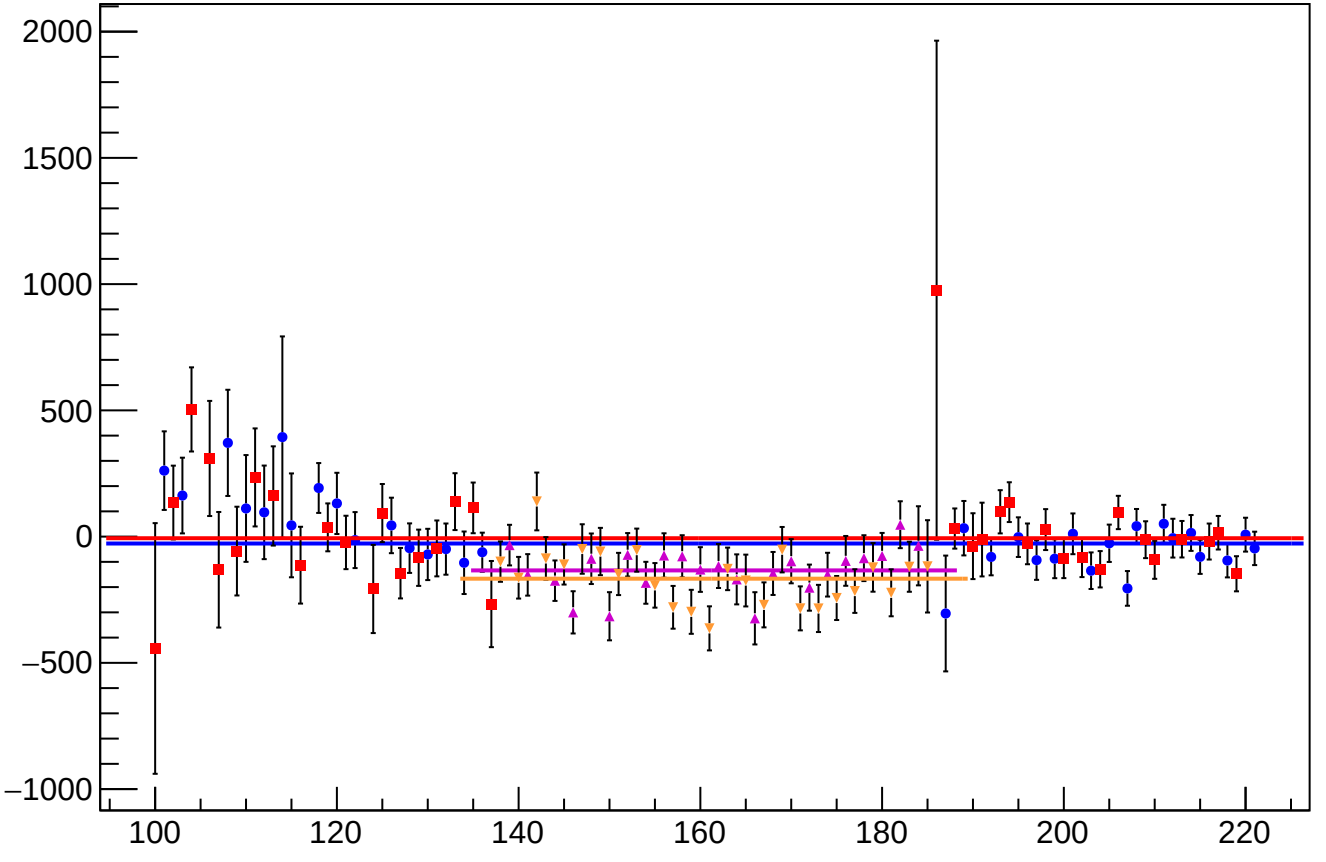
Right: 378.252+/-0.043 χ^2/NDF: 7584939.1/70

In: 347.778+/-0.040 χ^2/NDF:4519688.9/56

Out: 353.757+/-0.041 χ^2/NDF:5366217.8/61

All: 350.715+/-0.029 χ^2/NDF: 9896886.0/118

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: -6.429+/-16.115 χ^2/NDF: 45.7/36

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

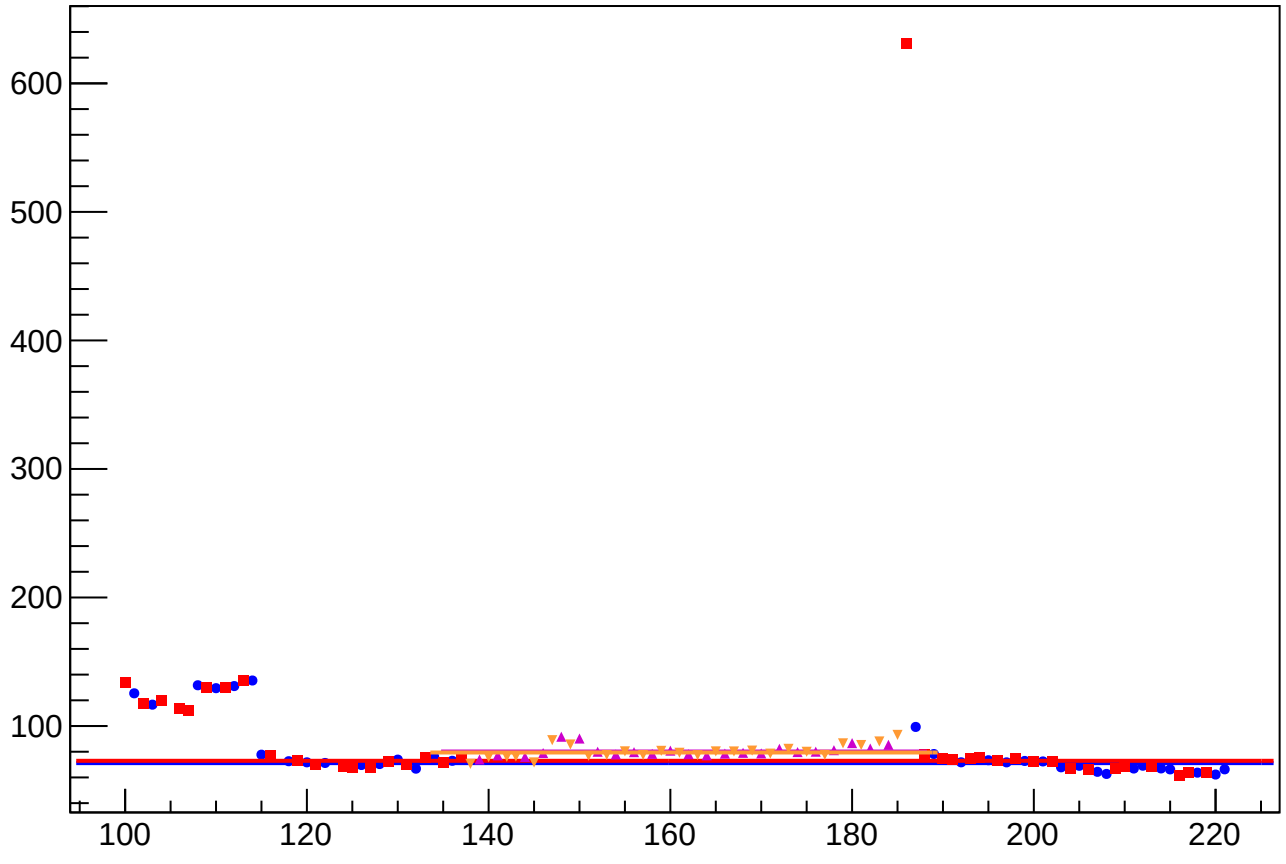
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: -17.375+/-11.120 χ^2/NDF: 82.6/70

In: -70.107+/-11.886 χ^2/NDF:76.1/56

Out: -77.377+/-12.029 χ^2/NDF:121.1/61

All: -73.698+/-8.455 χ^2/NDF: 197.4/118



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: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

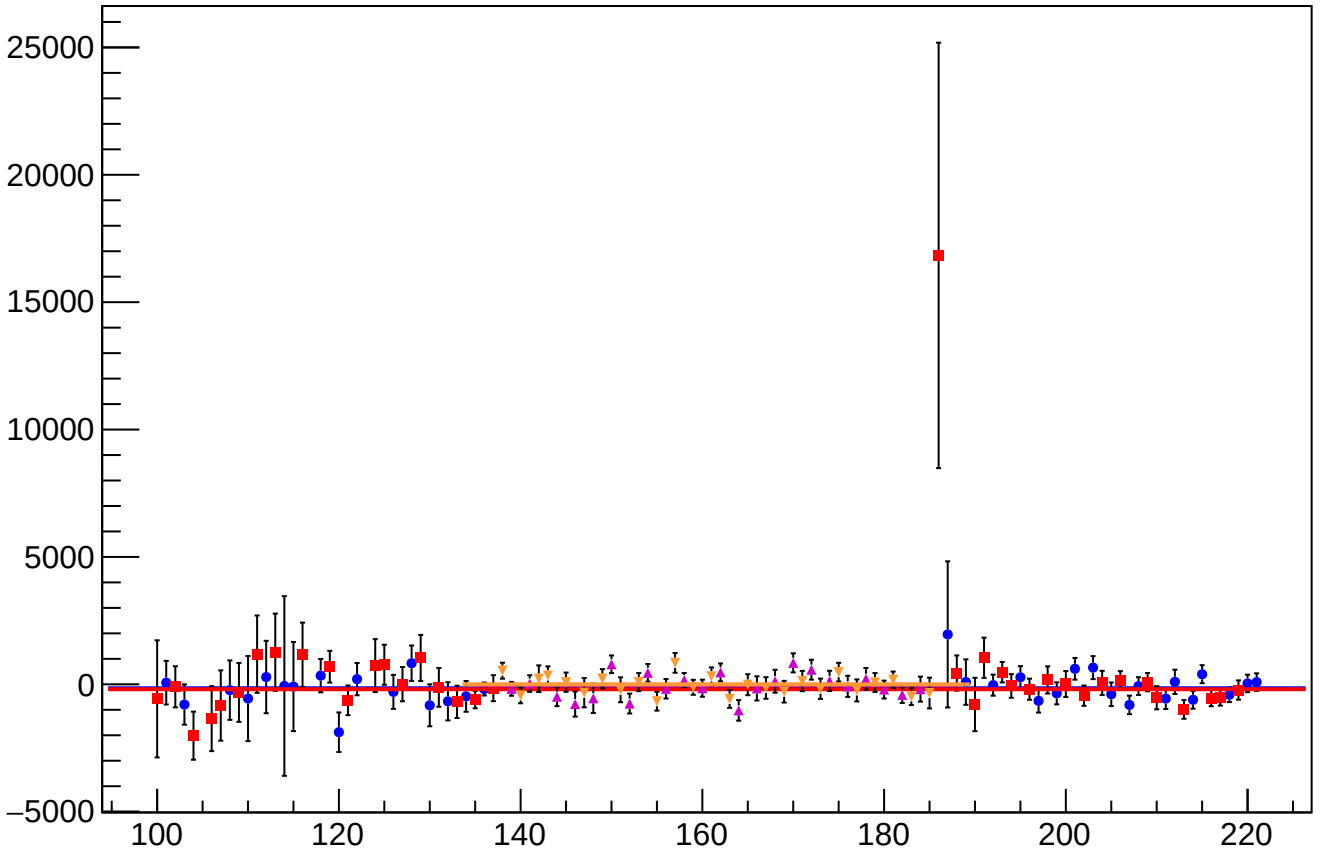
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 71.995+/-0.008 χ^2/NDF: 3163387.6/70

In: 74.757+/-0.008 χ^2/NDF:1580985.8/56

Out: 75.808+/-0.009 χ^2/NDF:2215300.9/61

All: 75.276+/-0.006 χ^2/NDF: 3804006.2/118



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: -193.149+/-88.356 χ^2/NDF: 37.4/36

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

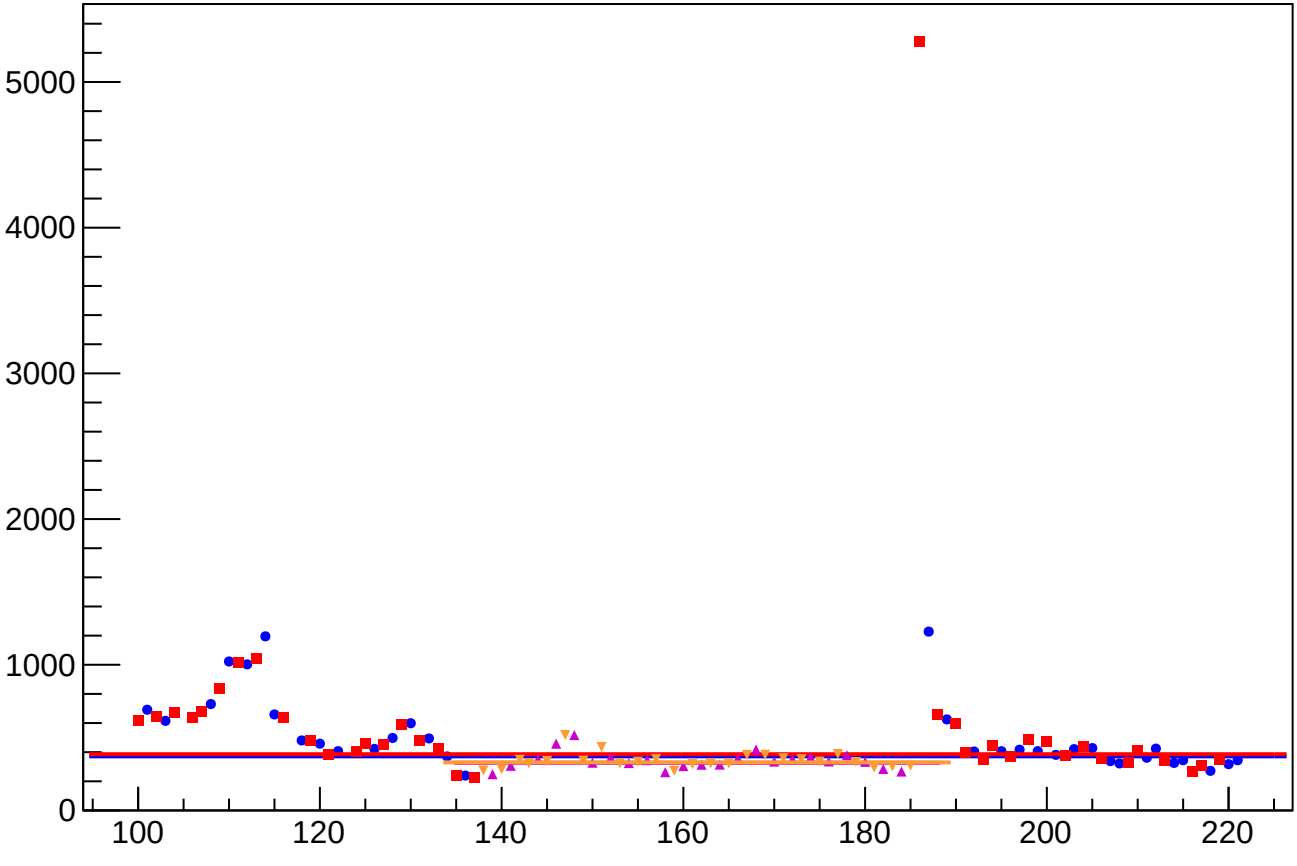
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -173.000+/-60.370 χ^2/NDF: 67.7/70

In: -82.971+/-56.559 χ^2/NDF:66.6/56

Out: -83.965+/-57.558 χ^2/NDF:64.1/61

All: -83.459+/-40.342 χ^2/NDF: 130.8/118



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: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

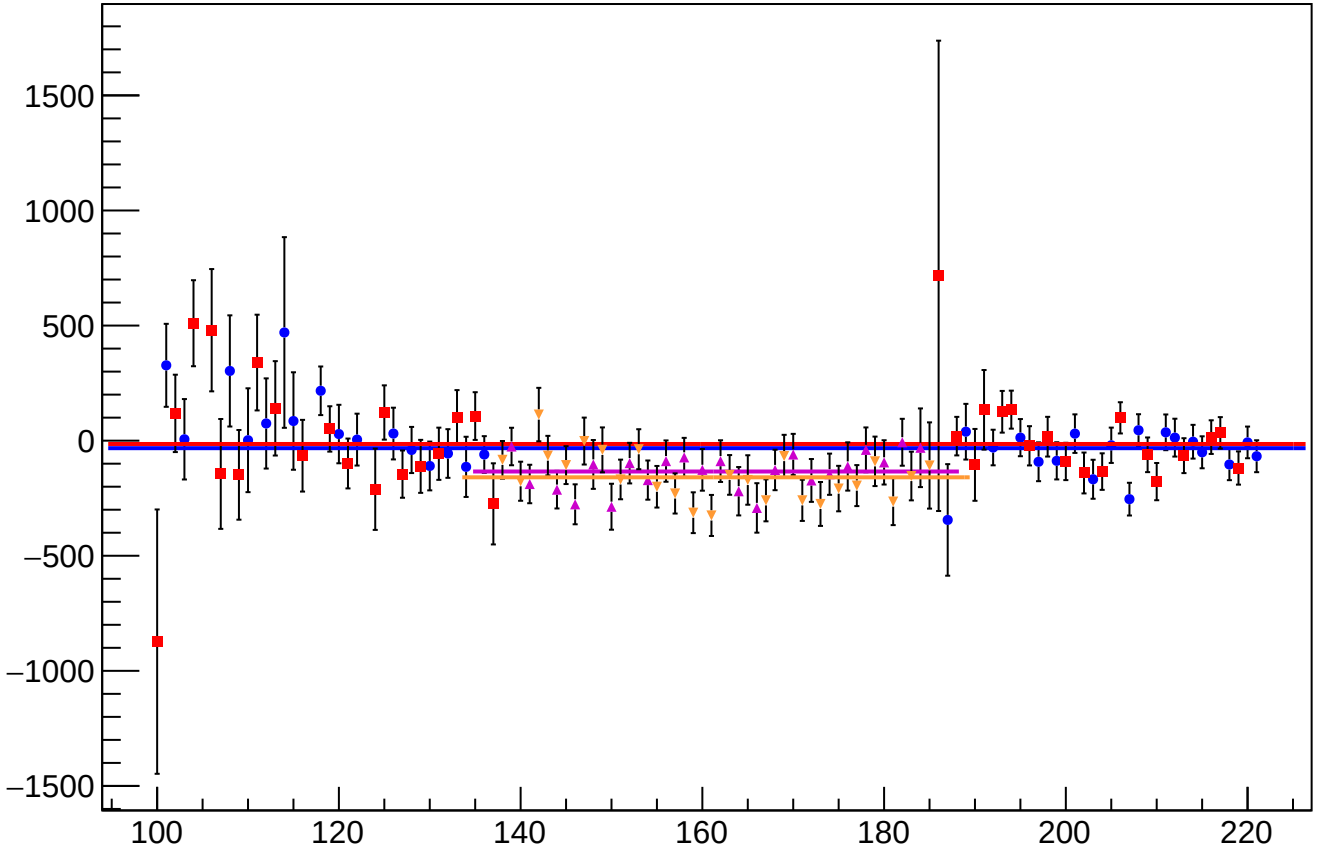
Right: 378.252+/-0.043 χ^2/NDF: 7584939.1/70

In: 347.778+/-0.040 χ^2/NDF:4519688.9/56

Out: 353.757+/-0.041 χ^2/NDF:5366217.8/61

All: 350.715+/-0.029 χ^2/NDF: 9896886.0/118

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: -14.424+/-17.001 χ^2/NDF: 52.4/36

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

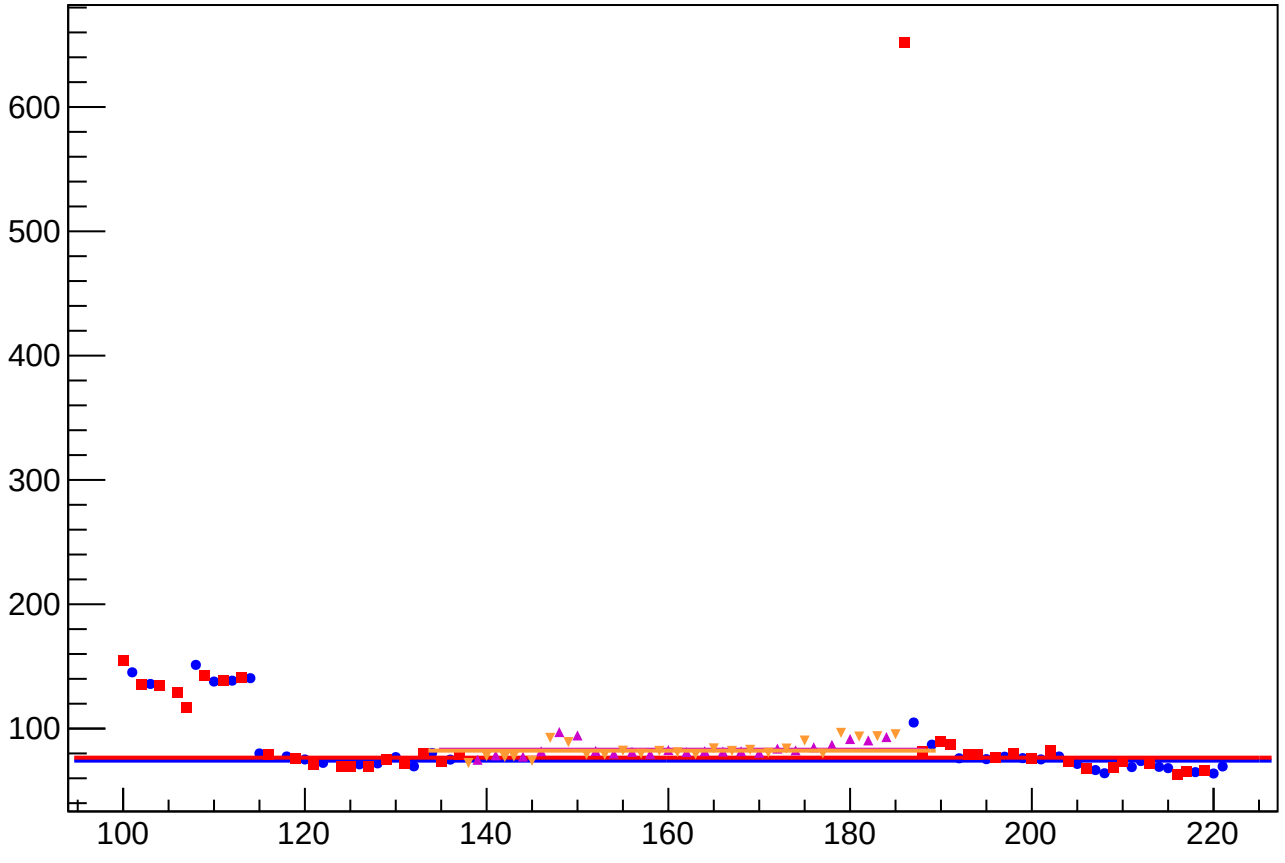
Right: -24.045+/-11.691 χ^2/NDF: 88.5/70

In: -73.909+/-12.401 χ^2/NDF:68.1/56

Out: -79.759+/-12.594 χ^2/NDF:113.3/61

All: -76.788+/-8.836 χ^2/NDF: 181.5/118

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: 76.601+/-0.012 χ^2/NDF: 2162068.4/36

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

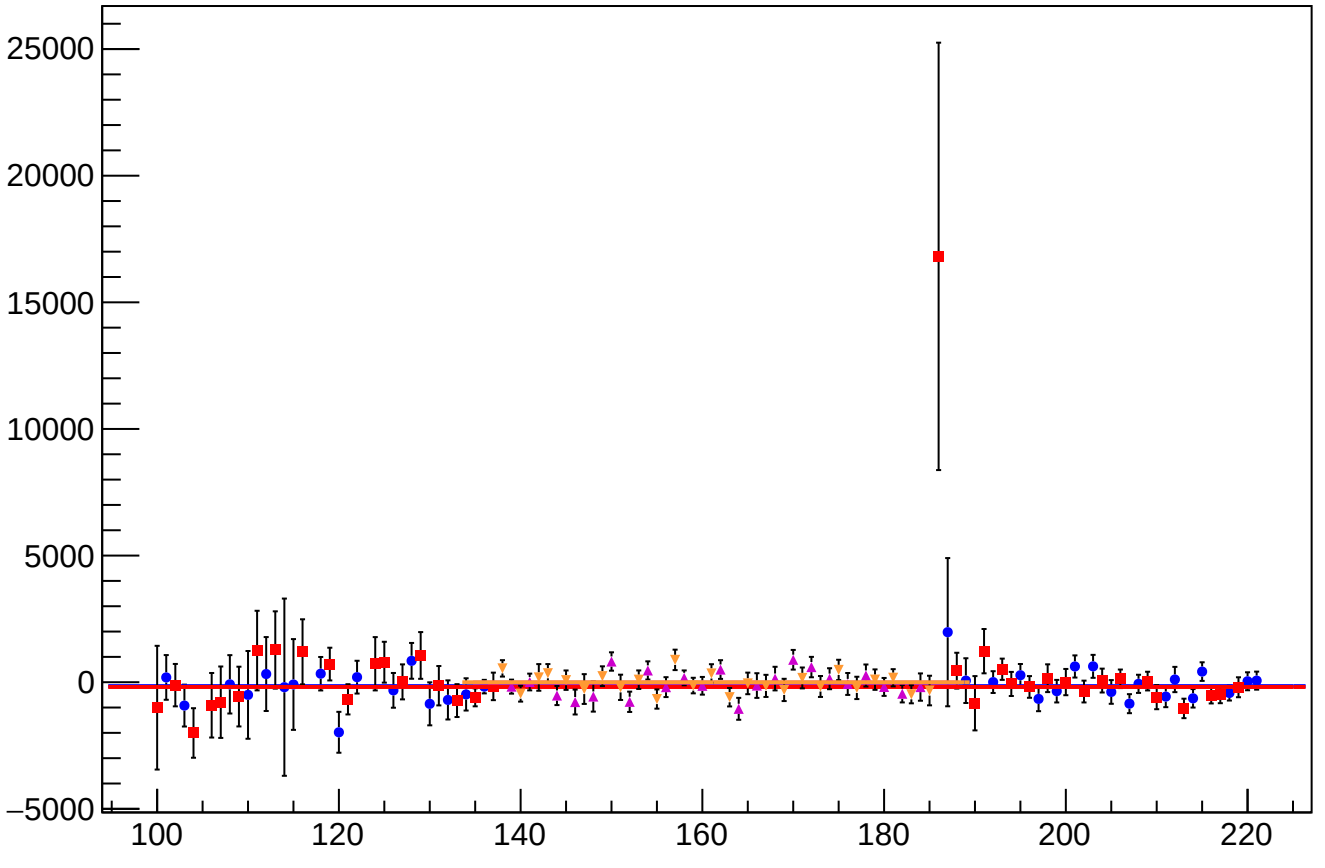
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 75.343+/-0.008 χ^2/NDF: 3644882.9/70

In: 77.786+/-0.009 χ^2/NDF:1849534.6/56

Out: 79.148+/-0.009 χ^2/NDF:2478166.9/61

All: 78.457+/-0.006 χ^2/NDF: 4339580.9/118



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: -188.120+/-91.538 χ^2/NDF: 36.1/36

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

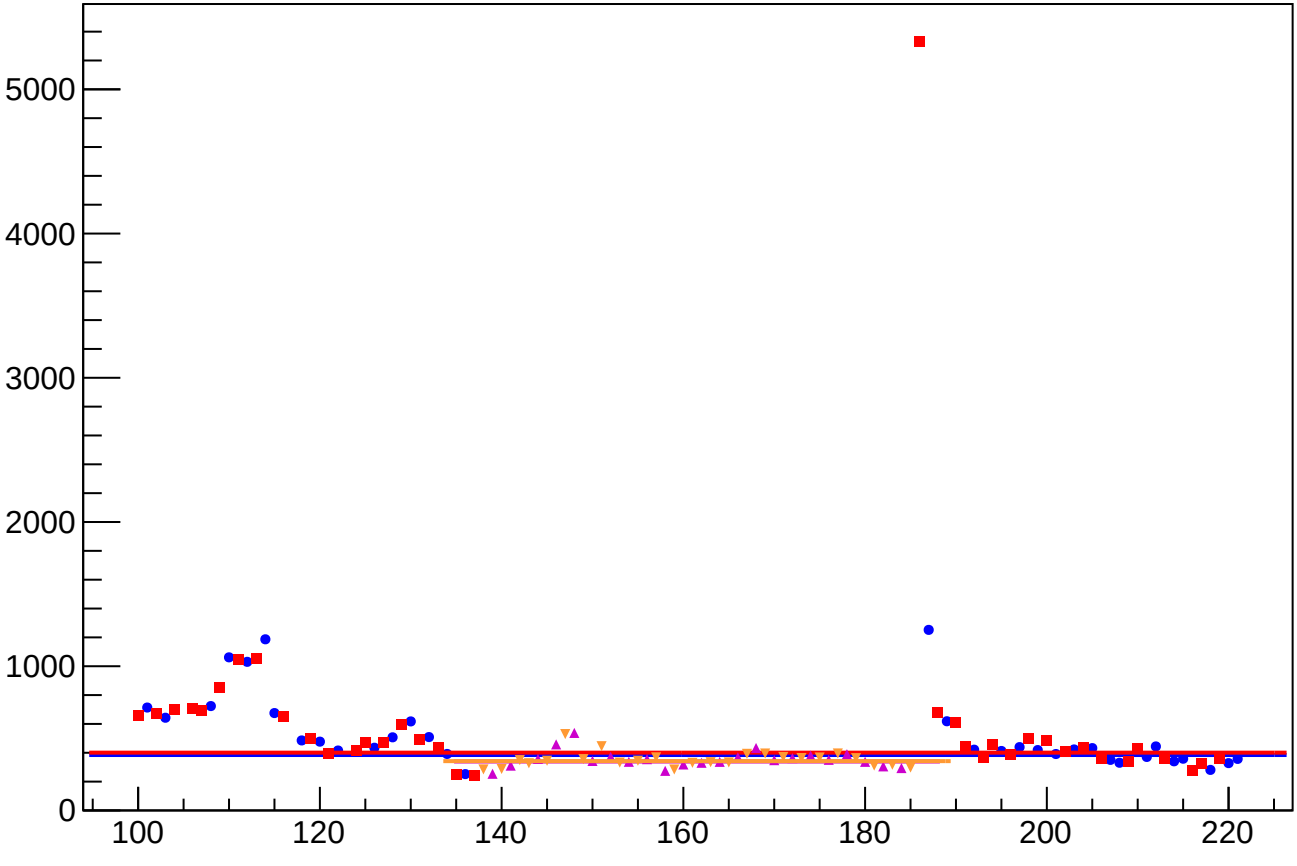
Right: -170.764+/-62.446 χ^2/NDF: 66.5/70

In: -81.900+/-58.544 χ^2/NDF:66.6/56

Out: -81.598+/-59.625 χ^2/NDF:62.0/61

All: -81.751+/-41.774 χ^2/NDF: 128.6/118

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: 400.844+/-0.065 χ^2/NDF: 4166719.3/36

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

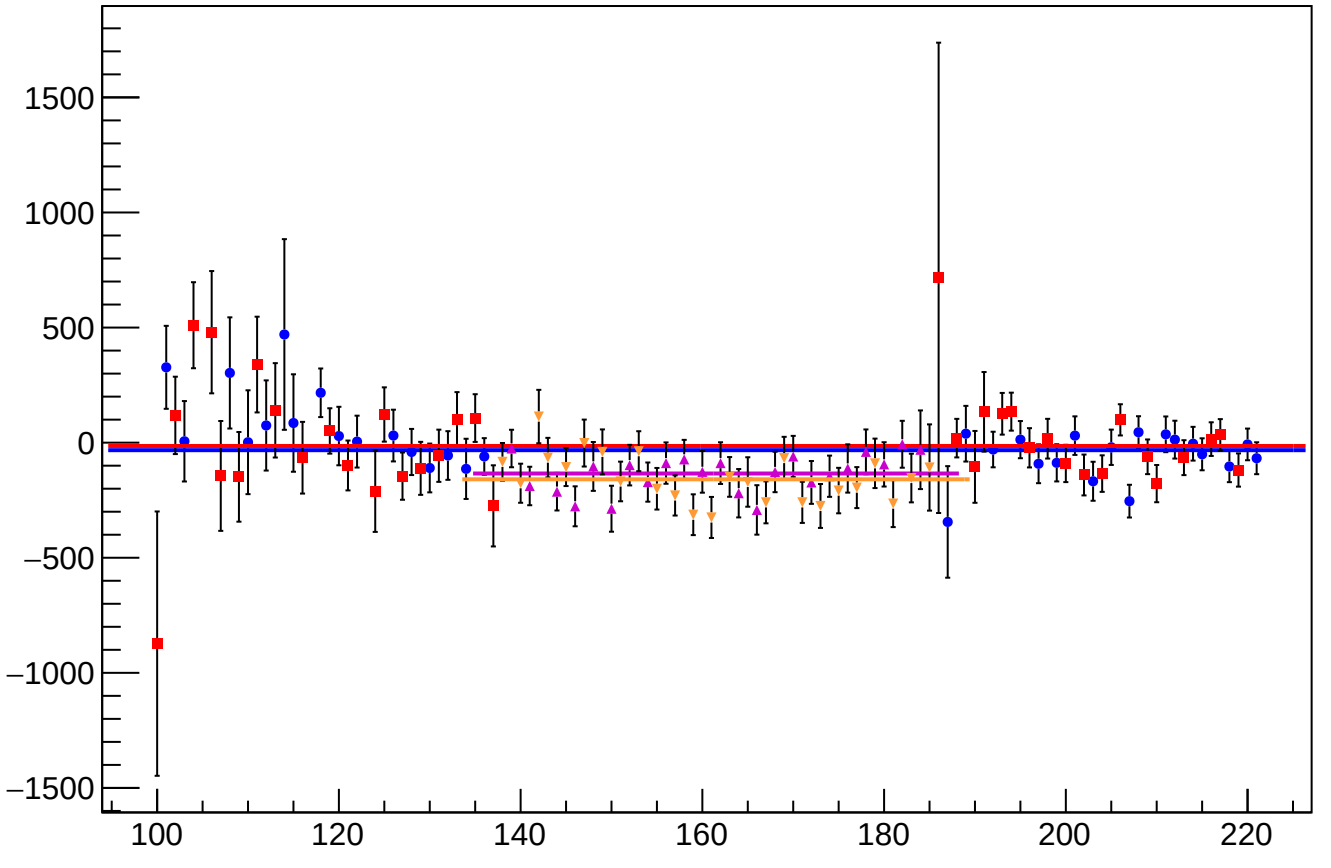
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 392.044+/-0.044 χ^2/NDF: 7389780.9/70

In: 360.554+/-0.041 χ^2/NDF:4328943.6/56

Out: 366.919+/-0.042 χ^2/NDF:5297806.4/61

All: 363.678+/-0.030 χ^2/NDF: 9638354.1/118



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: -14.425+/-17.001 χ^2/NDF: 52.4/36

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

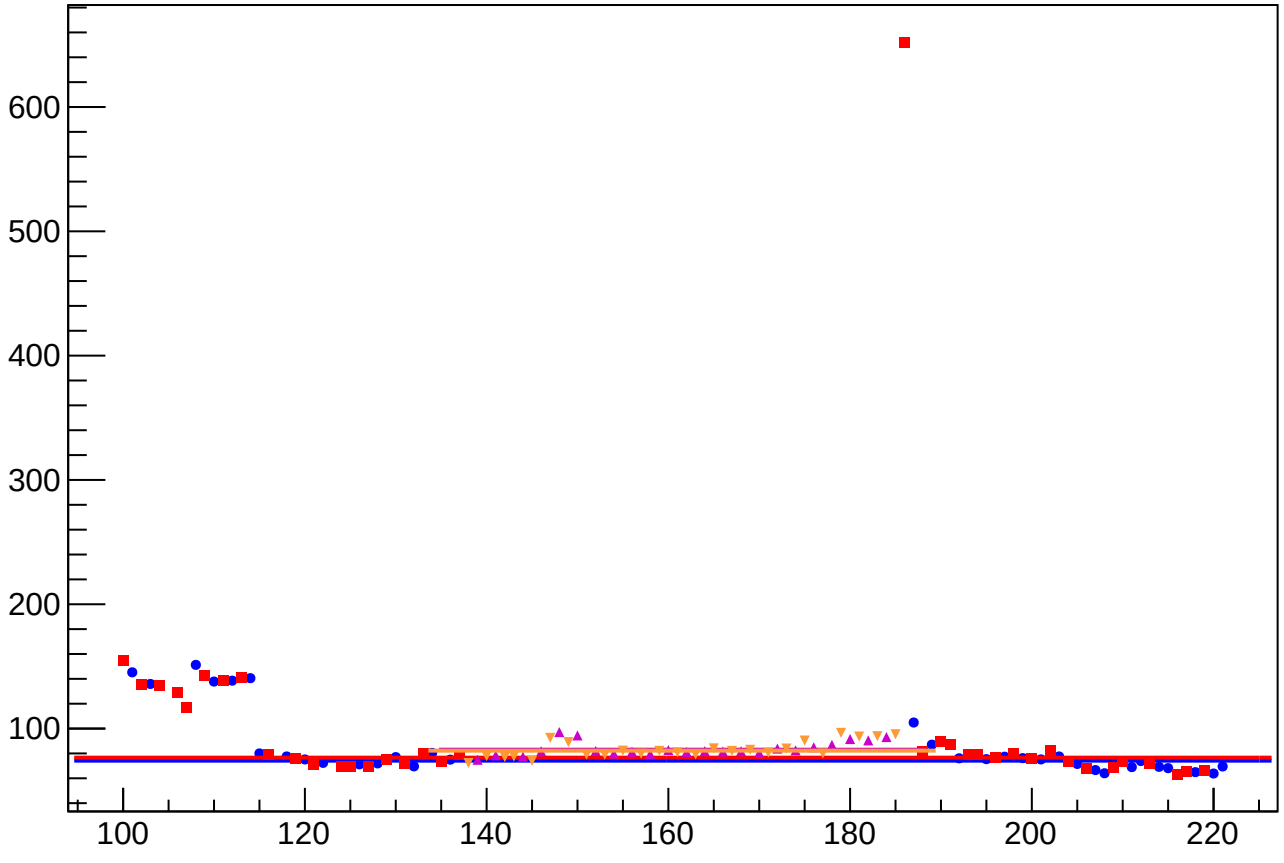
Right: -24.045+/-11.691 χ^2/NDF: 88.5/70

In: -73.908+/-12.401 χ^2/NDF:68.1/56

Out: -79.759+/-12.594 χ^2/NDF:113.3/61

All: -76.788+/-8.836 χ^2/NDF: 181.5/118

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: 76.600+/-0.012 χ^2/NDF: 2162068.8/36

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

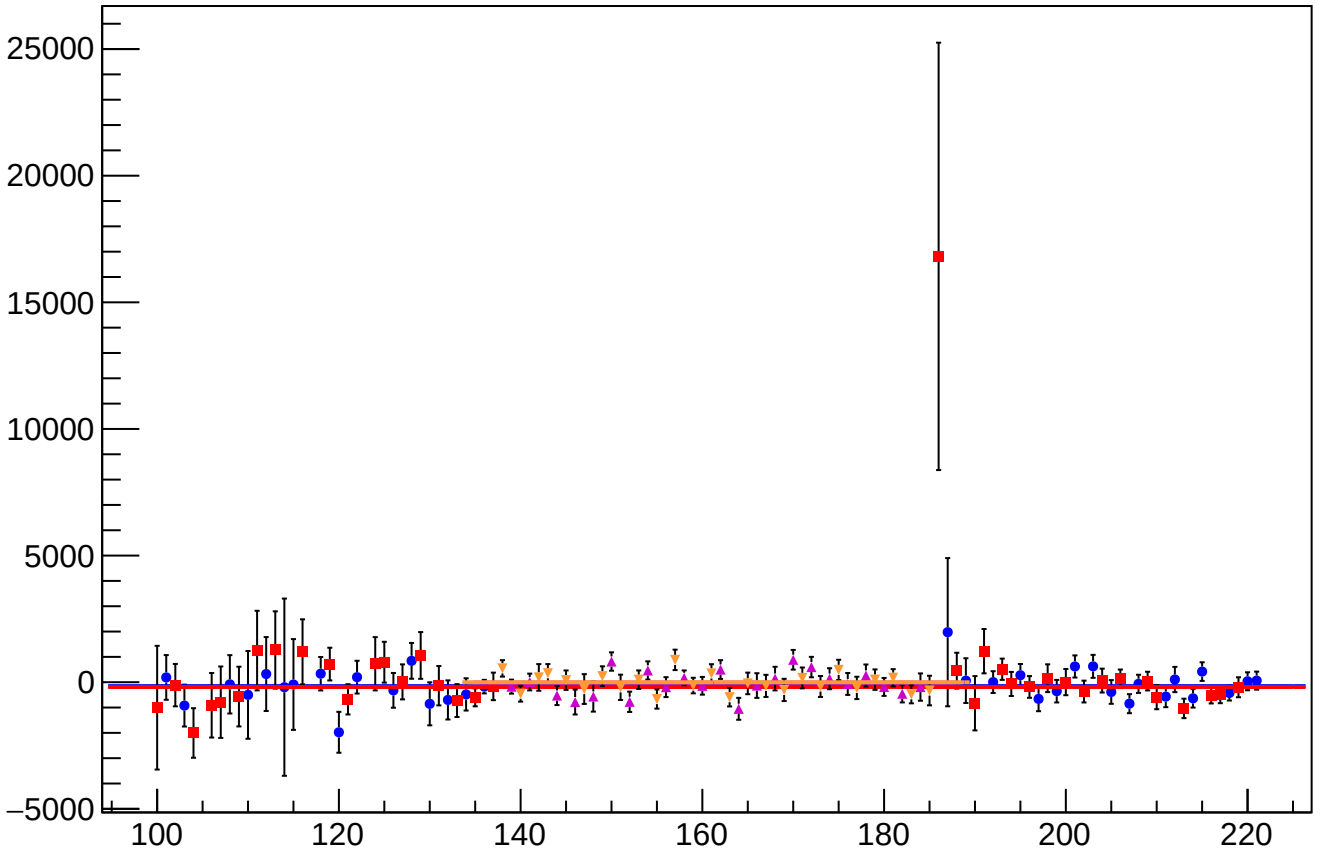
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 75.342+/-0.008 χ^2/NDF: 3644883.7/70

In: 77.786+/-0.009 χ^2/NDF:1849539.6/56

Out: 79.148+/-0.009 χ^2/NDF:2478172.4/61

All: 78.457+/-0.006 χ^2/NDF: 4339591.3/118



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: -188.121+/-91.537 χ^2/NDF: 36.1/36

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

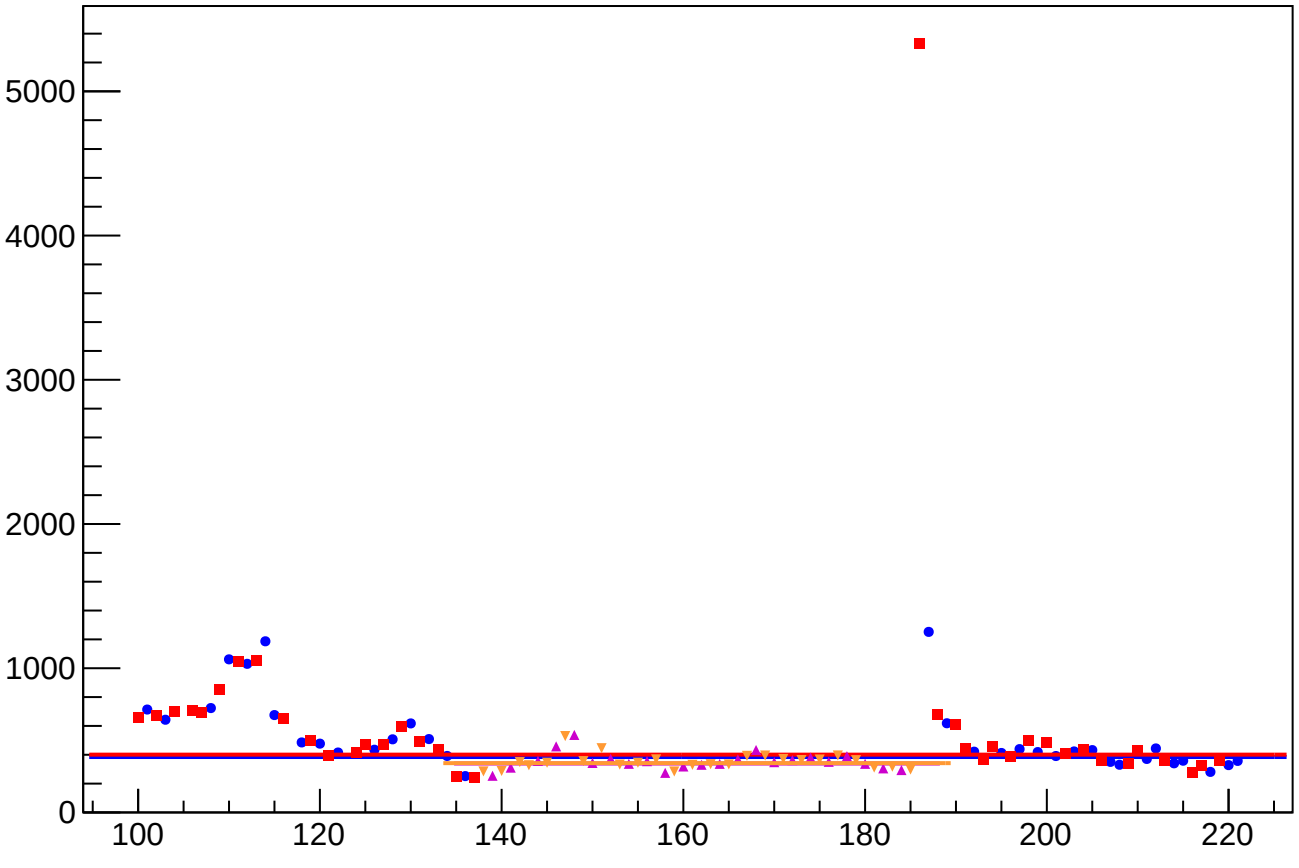
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -170.764+/-62.446 χ^2/NDF: 66.5/70

In: -81.899+/-58.544 χ^2/NDF:66.6/56

Out: -81.598+/-59.625 χ^2/NDF:62.0/61

All: -81.751+/-41.774 χ^2/NDF: 128.6/118



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: 400.843+/-0.065 χ^2/NDF: 4166726.5/36

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

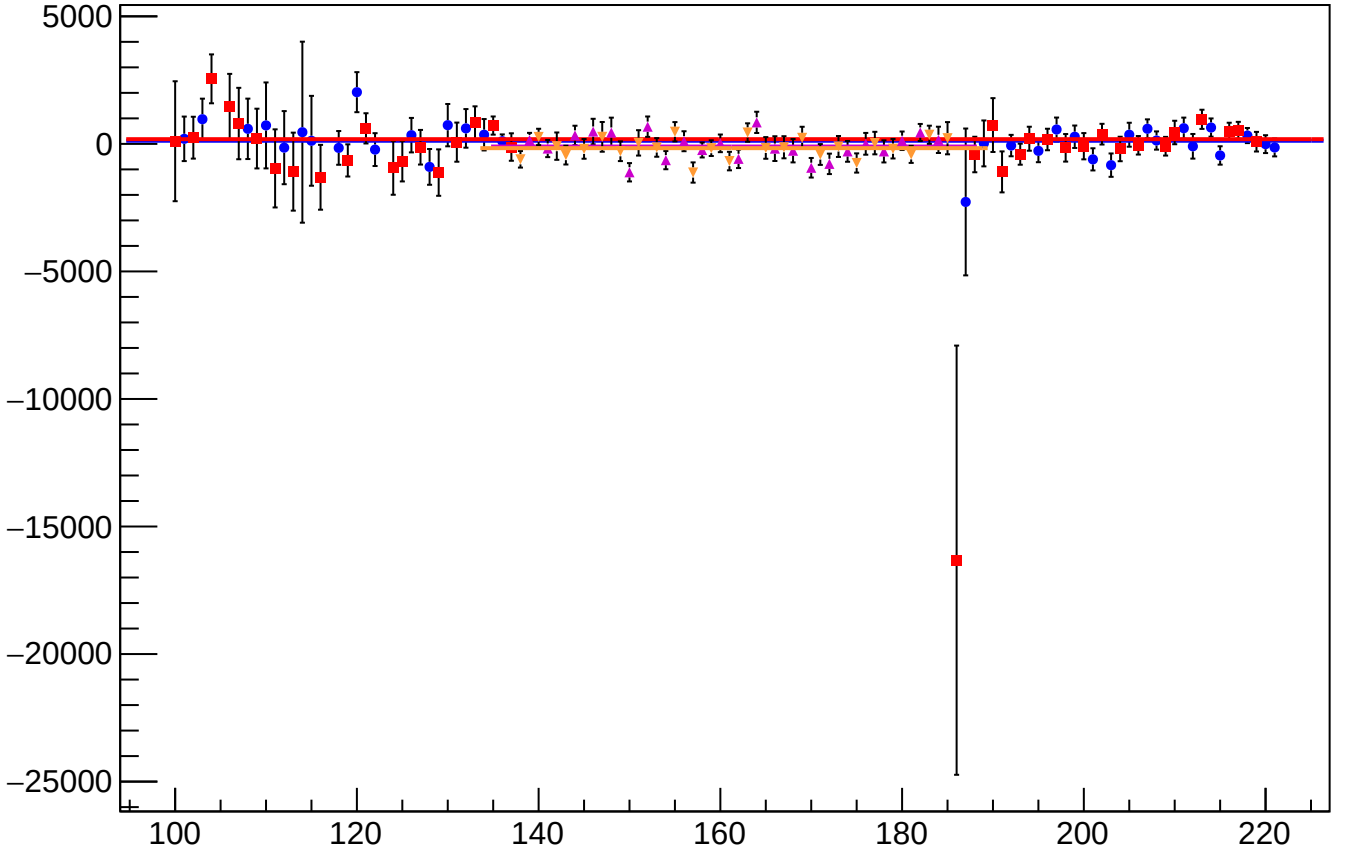
Right: 392.044+/-0.044 χ^2/NDF: 7389791.6/70

In: 360.554+/-0.041 χ^2/NDF:4328942.4/56

Out: 366.919+/-0.042 χ^2/NDF:5297803.0/61

All: 363.678+/-0.030 χ^2/NDF: 9638349.7/118

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: 184.611+/-90.163 χ^2/NDF: 39.1/36

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

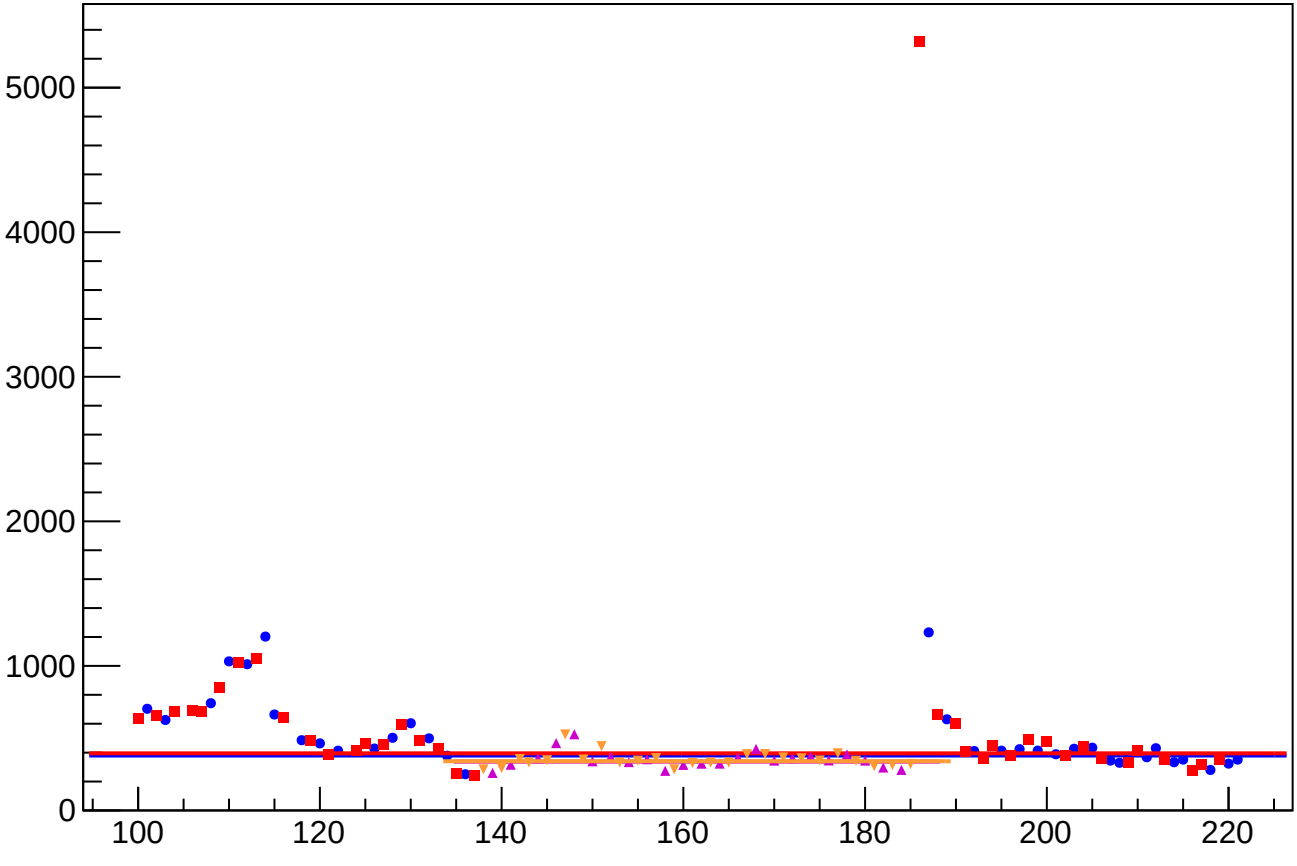
Right: 151.956+/-61.625 χ^2/NDF: 69.8/70

In: 3.539+/-58.067 χ^2/NDF:71.7/56

Out: -16.316+/-59.067 χ^2/NDF:73.4/61

All: -6.219+/-41.409 χ^2/NDF: 145.2/118

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: 395.095+/-0.064 χ^2/NDF: 4119432.6/36

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

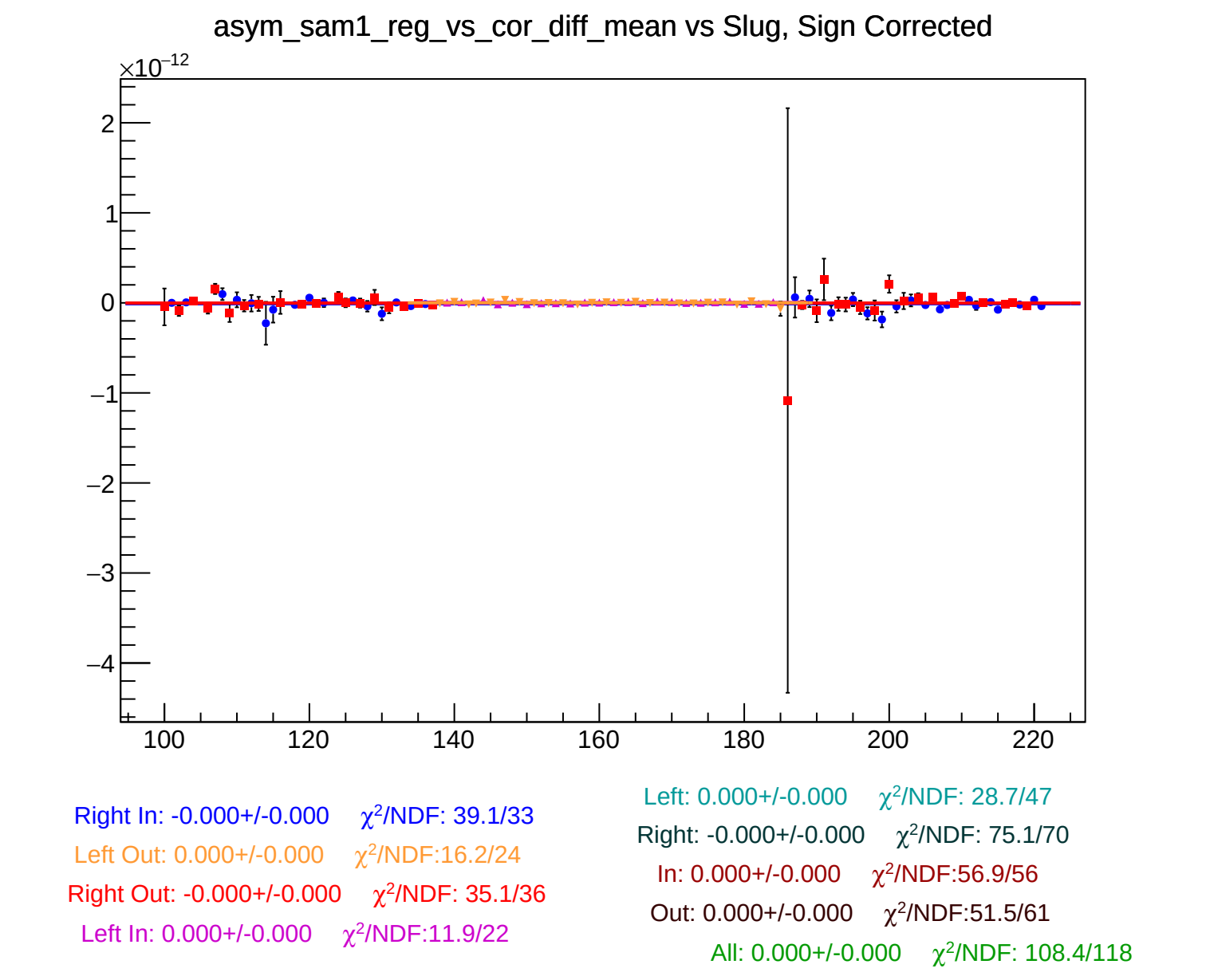
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

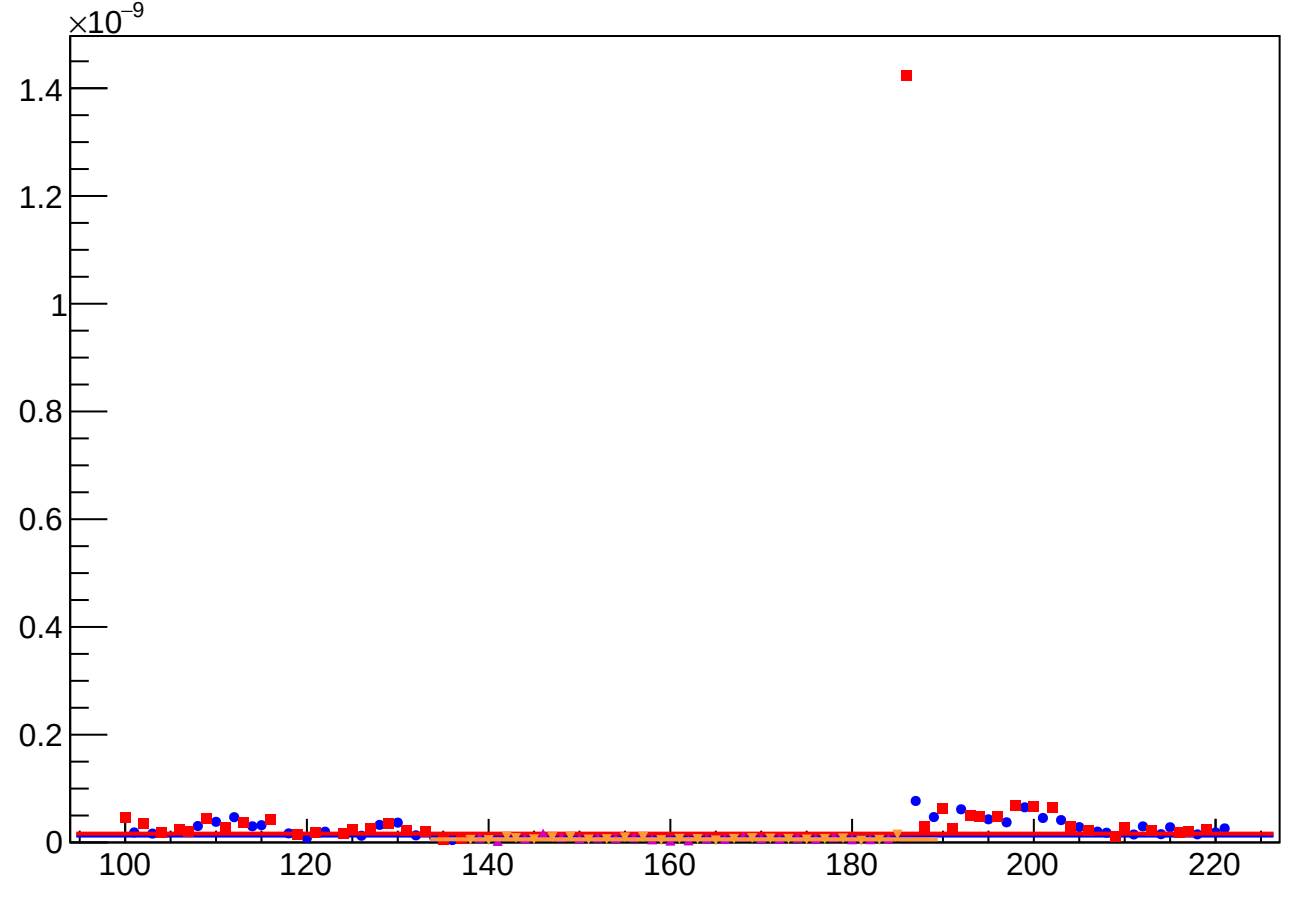
Right: 387.091+/-0.044 χ^2/NDF: 7313288.6/70

In: 357.778+/-0.041 χ^2/NDF:4249694.0/56

Out: 363.869+/-0.042 χ^2/NDF:5143849.0/61

All: 360.771+/-0.029 χ^2/NDF: 9404358.4/118


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 39.1/33
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.1/36
Left In: 0.000+/-0.000 χ²/NDF:11.9/22
Left: 0.000+/-0.000 χ²/NDF: 28.7/47
Right: -0.000+/-0.000 χ²/NDF: 75.1/70
In: 0.000+/-0.000 χ²/NDF:56.9/56
Out: 0.000+/-0.000 χ²/NDF:51.5/61
All: 0.000+/-0.000 χ²/NDF: 108.4/118



Right In: 0.000+/-0.000 χ^2/NDF: 8470607.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7502541.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

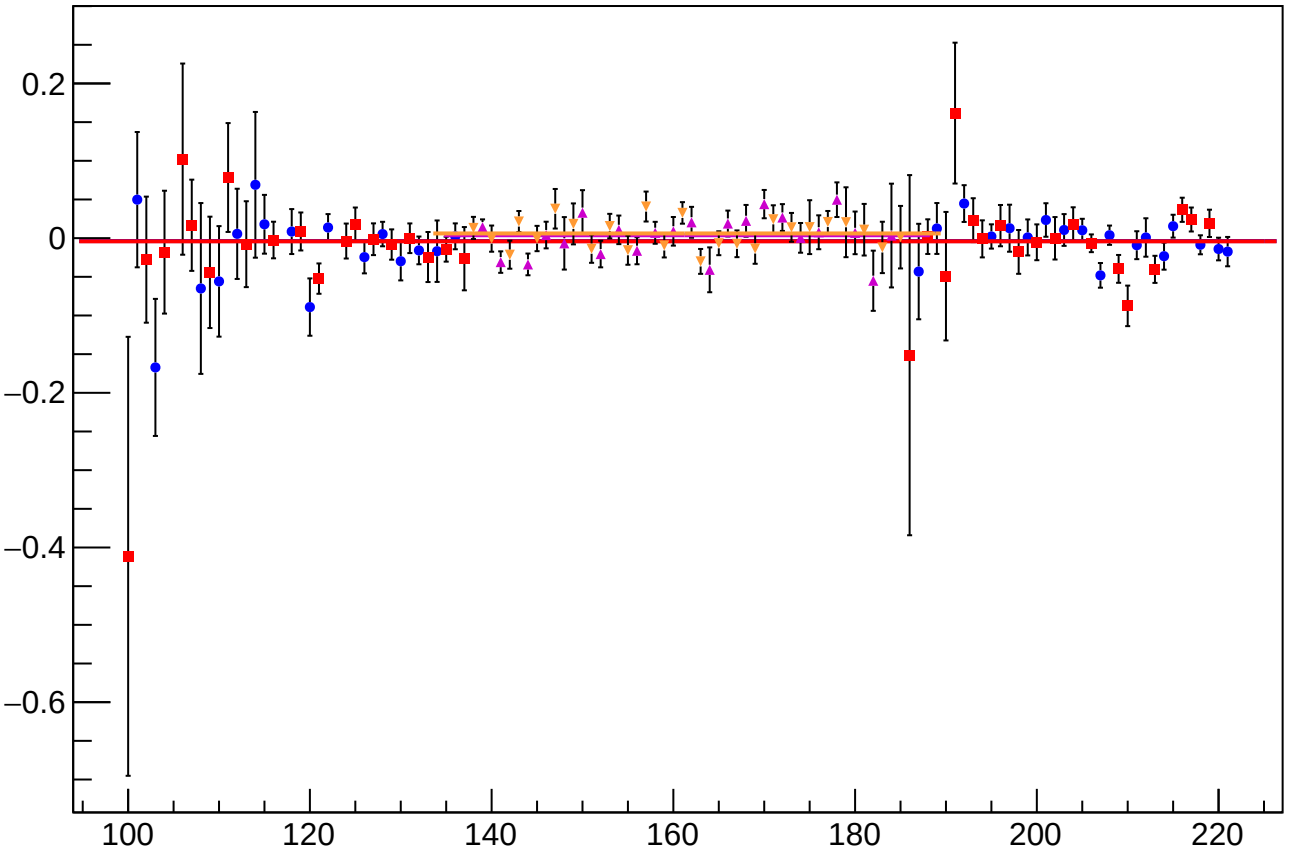
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16372417.5/70

In: 0.000+/-0.000 χ^2/NDF:13051408.2/56

Out: 0.000+/-0.000 χ^2/NDF:13571220.2/61

All: 0.000+/-0.000 χ^2/NDF: 26674970.0/118



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: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

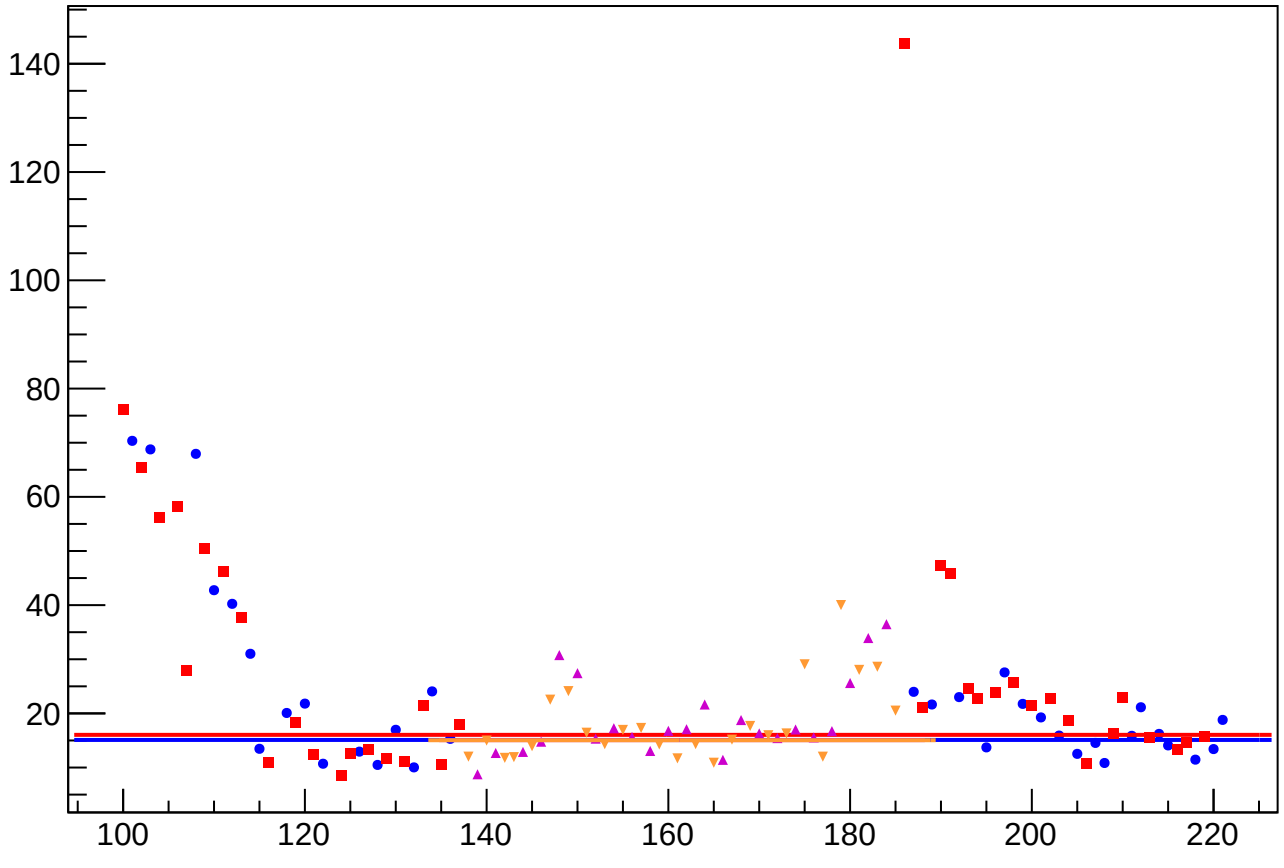
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 86.1/70

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 155.7/118



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: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

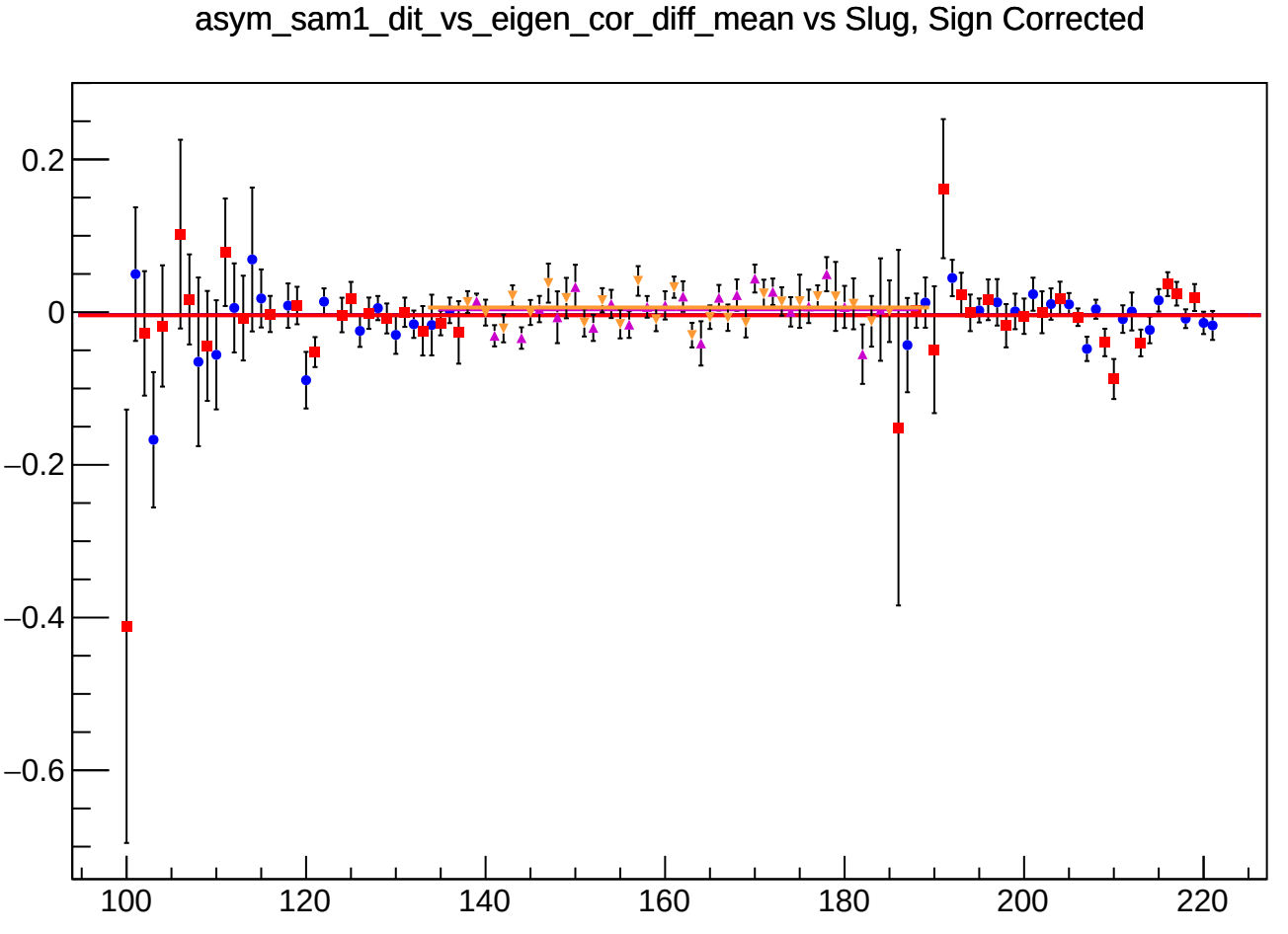
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.524+/-0.002 χ^2/NDF: 11788253.4/70

In: 15.083+/-0.002 χ^2/NDF:8152905.2/56

Out: 15.509+/-0.002 χ^2/NDF:9465295.7/61

All: 15.291+/-0.001 χ^2/NDF: 17643999.2/118



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: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

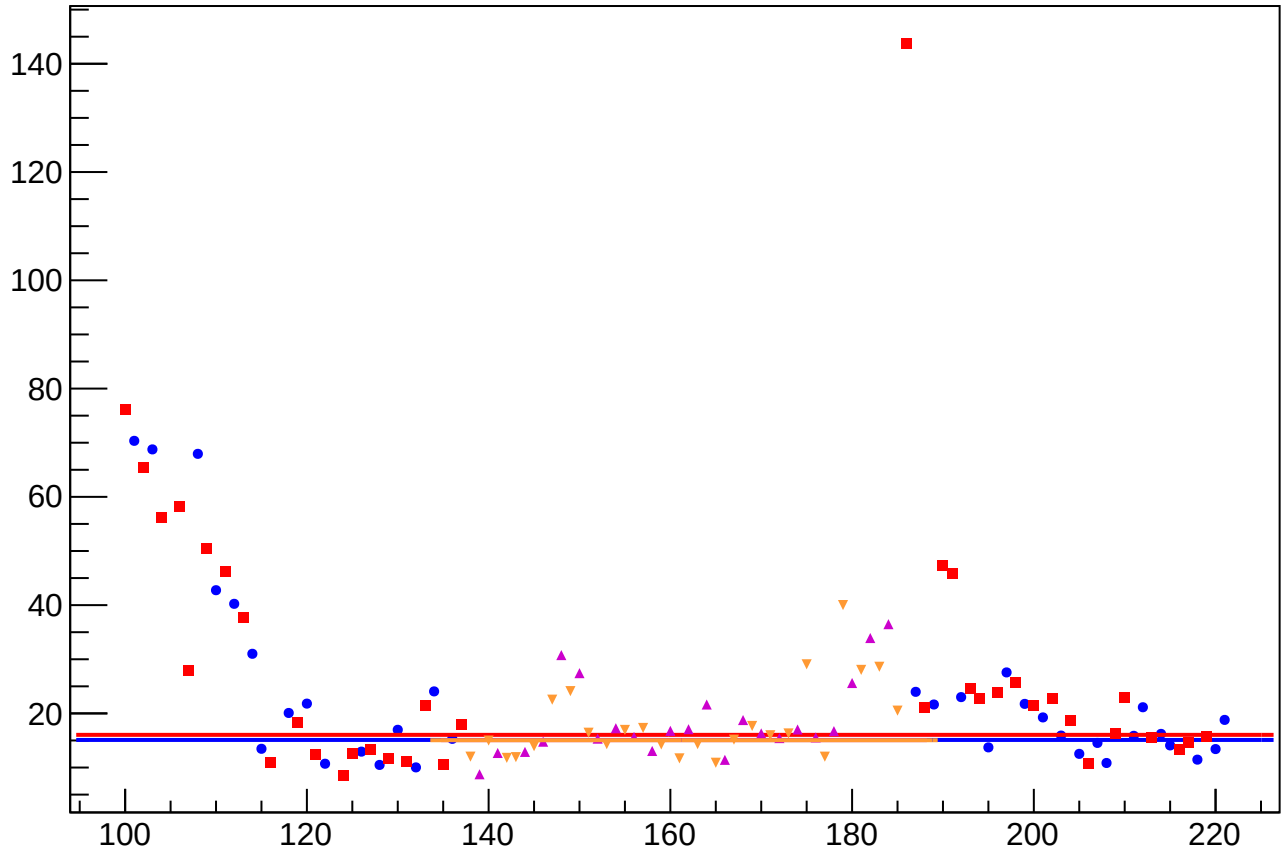
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 86.1/70

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 155.7/118



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: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

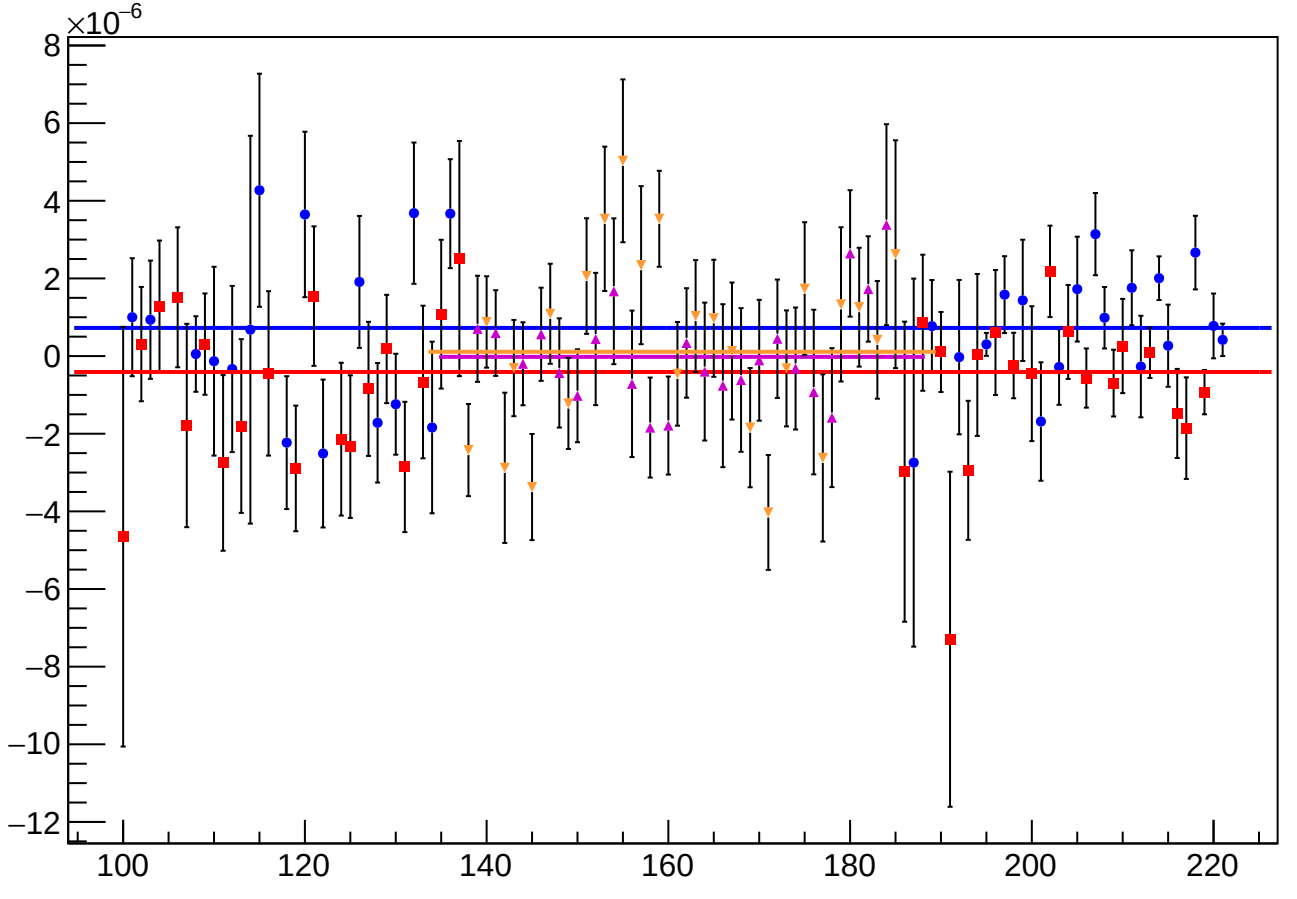
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.524+/-0.002 χ^2/NDF: 11788253.4/70

In: 15.083+/-0.002 χ^2/NDF:8152905.2/56

Out: 15.509+/-0.002 χ^2/NDF:9465295.7/61

All: 15.291+/-0.001 χ^2/NDF: 17643999.2/118



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: 30.1/36

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

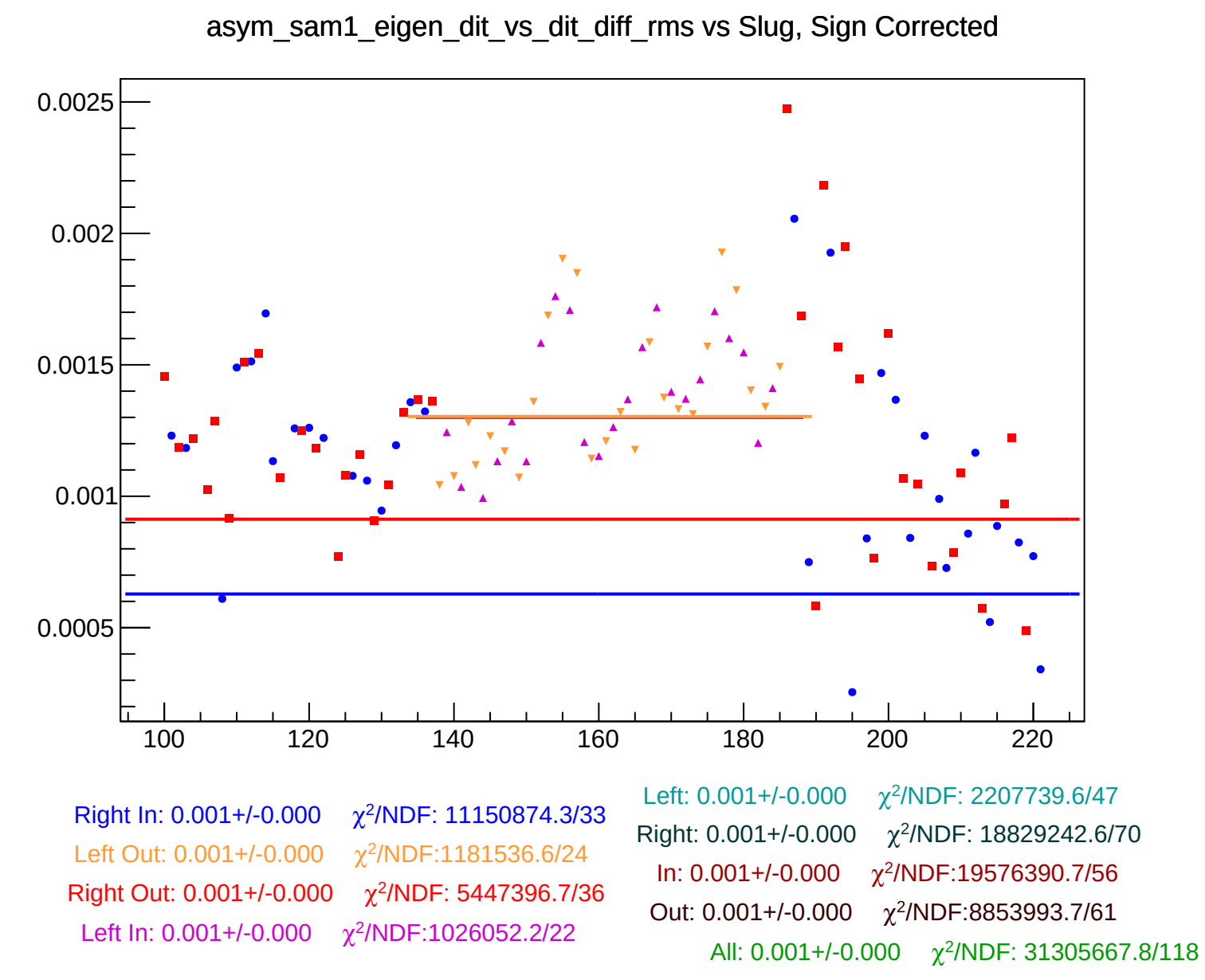
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

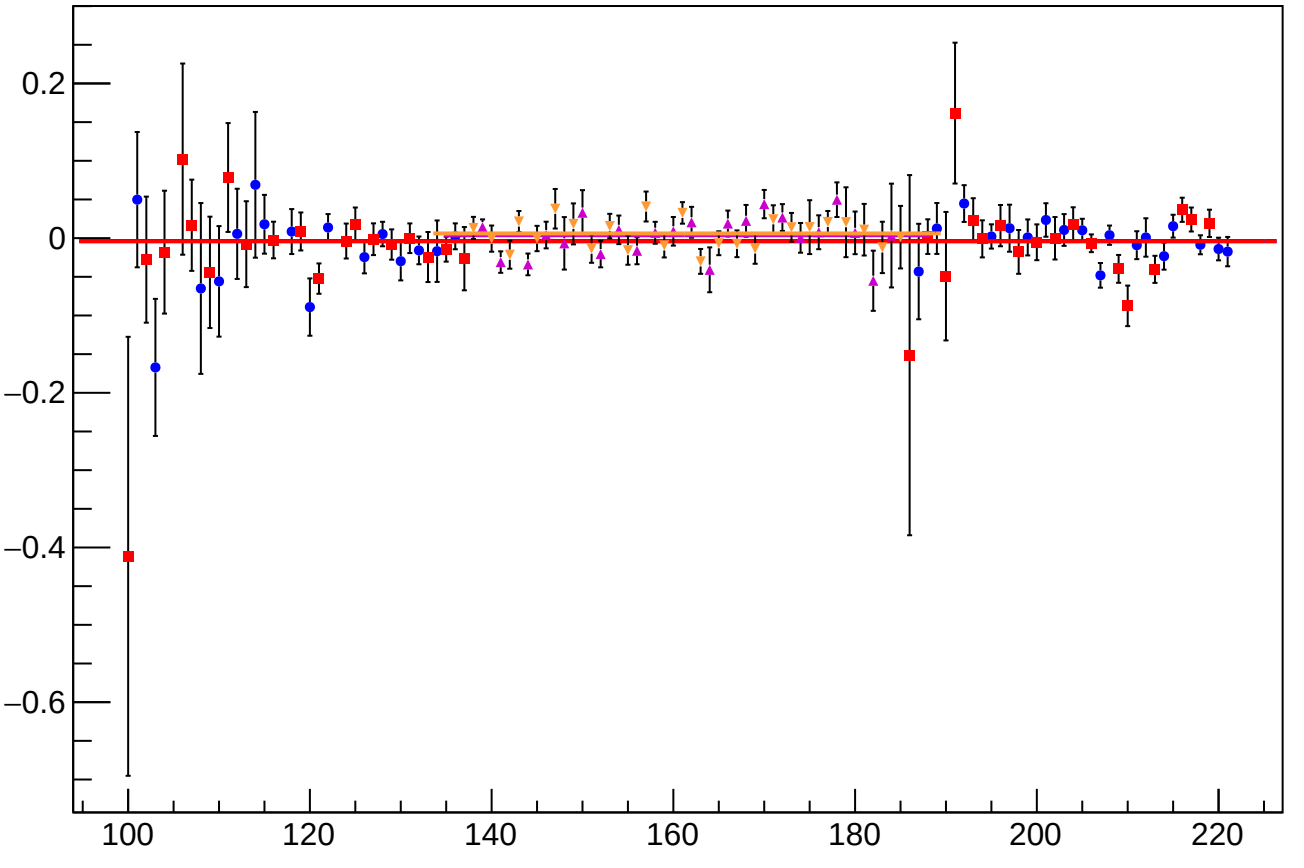
Right: 0.000+/-0.000 χ^2/NDF: 96.5/70

In: 0.000+/-0.000 χ^2/NDF:67.3/56

Out: -0.000+/-0.000 χ^2/NDF:82.1/61

All: 0.000+/-0.000 χ^2/NDF: 161.9/118


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: 5447396.7/36
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: 18829242.6/70
In: 0.001+/-0.000 χ²/NDF:19576390.7/56
Out: 0.001+/-0.000 χ²/NDF:8853993.7/61
All: 0.001+/-0.000 χ²/NDF: 31305667.8/118



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: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

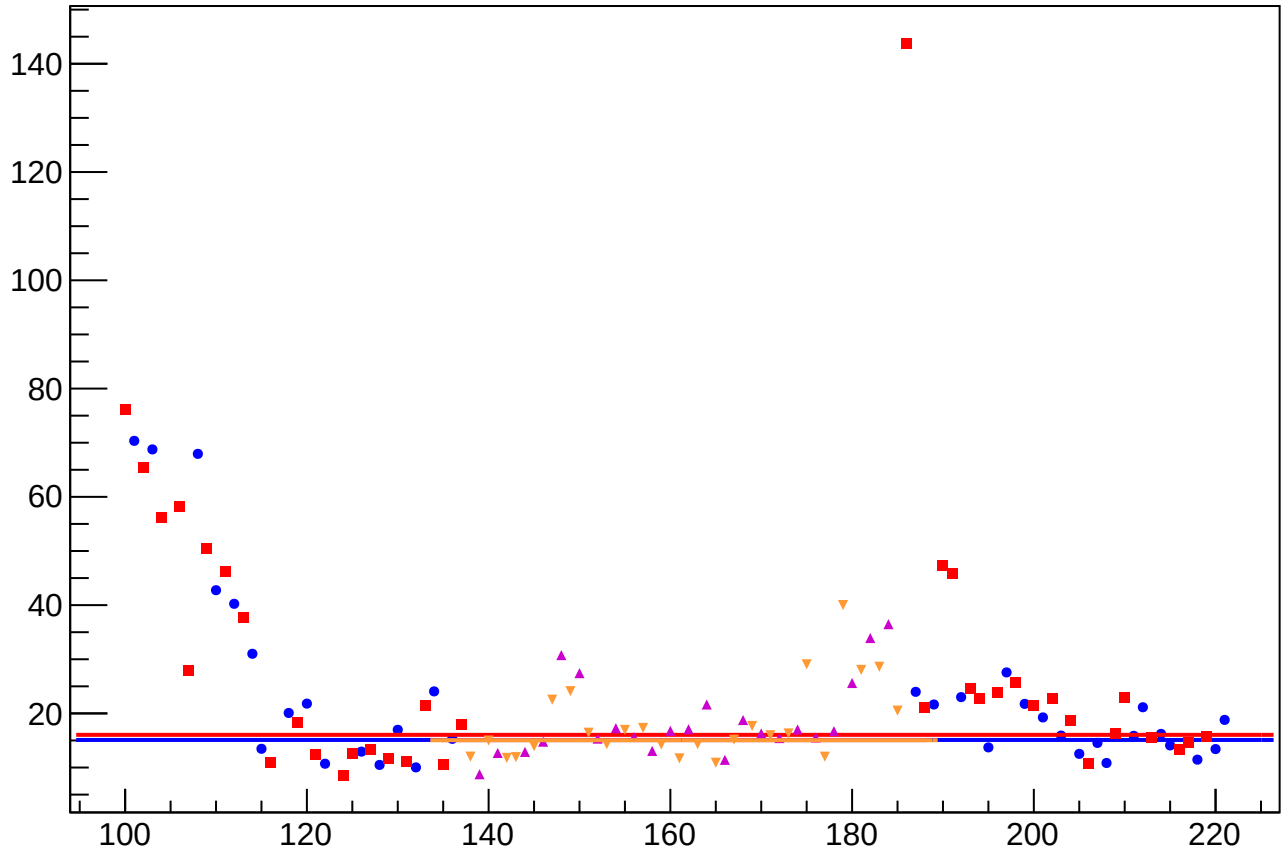
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 86.1/70

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 155.7/118



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: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

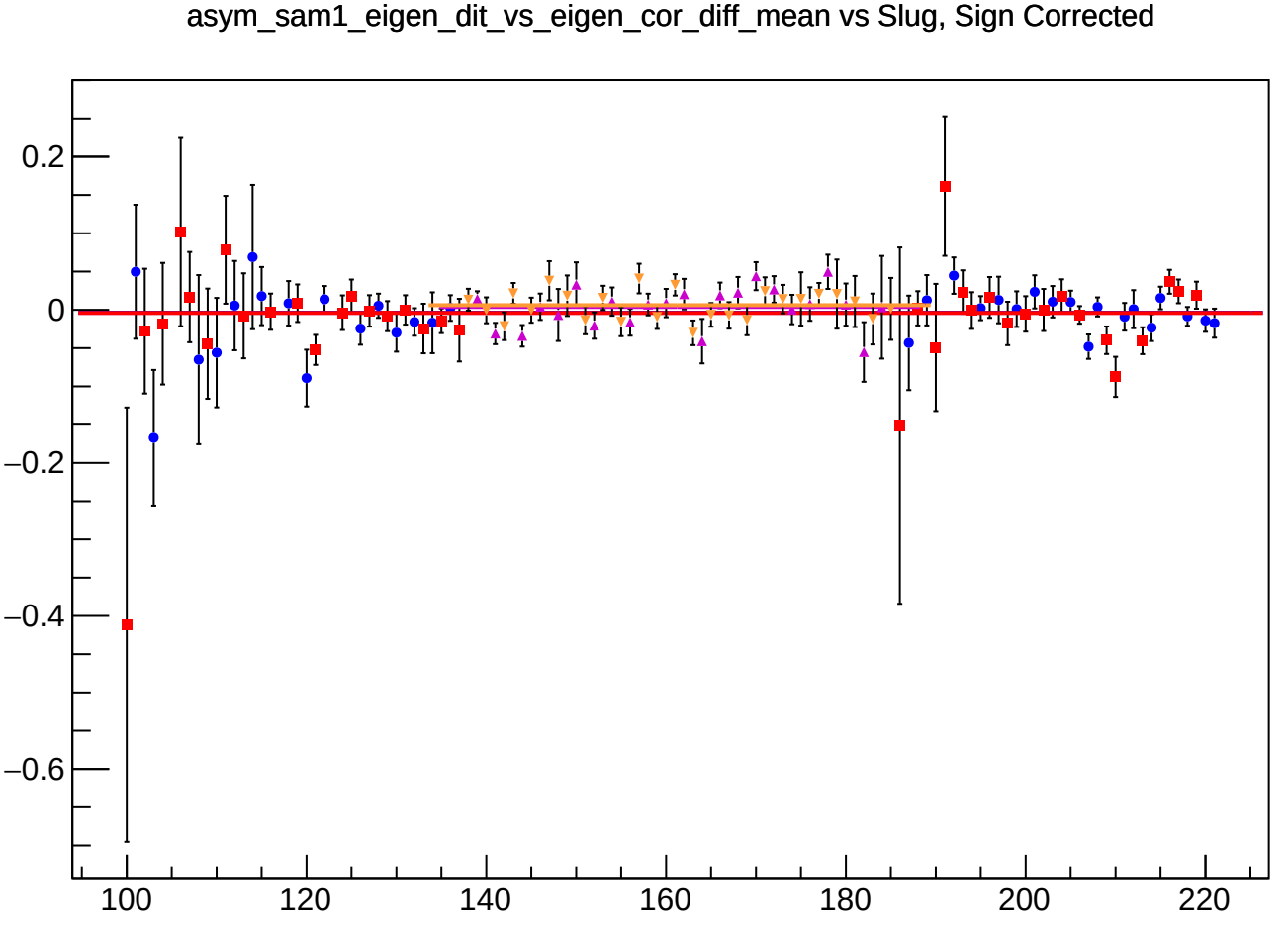
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.523+/-0.002 χ^2/NDF: 11788264.6/70

In: 15.083+/-0.002 χ^2/NDF:8152958.1/56

Out: 15.509+/-0.002 χ^2/NDF:9465493.4/61

All: 15.290+/-0.001 χ^2/NDF: 17644250.4/118



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: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

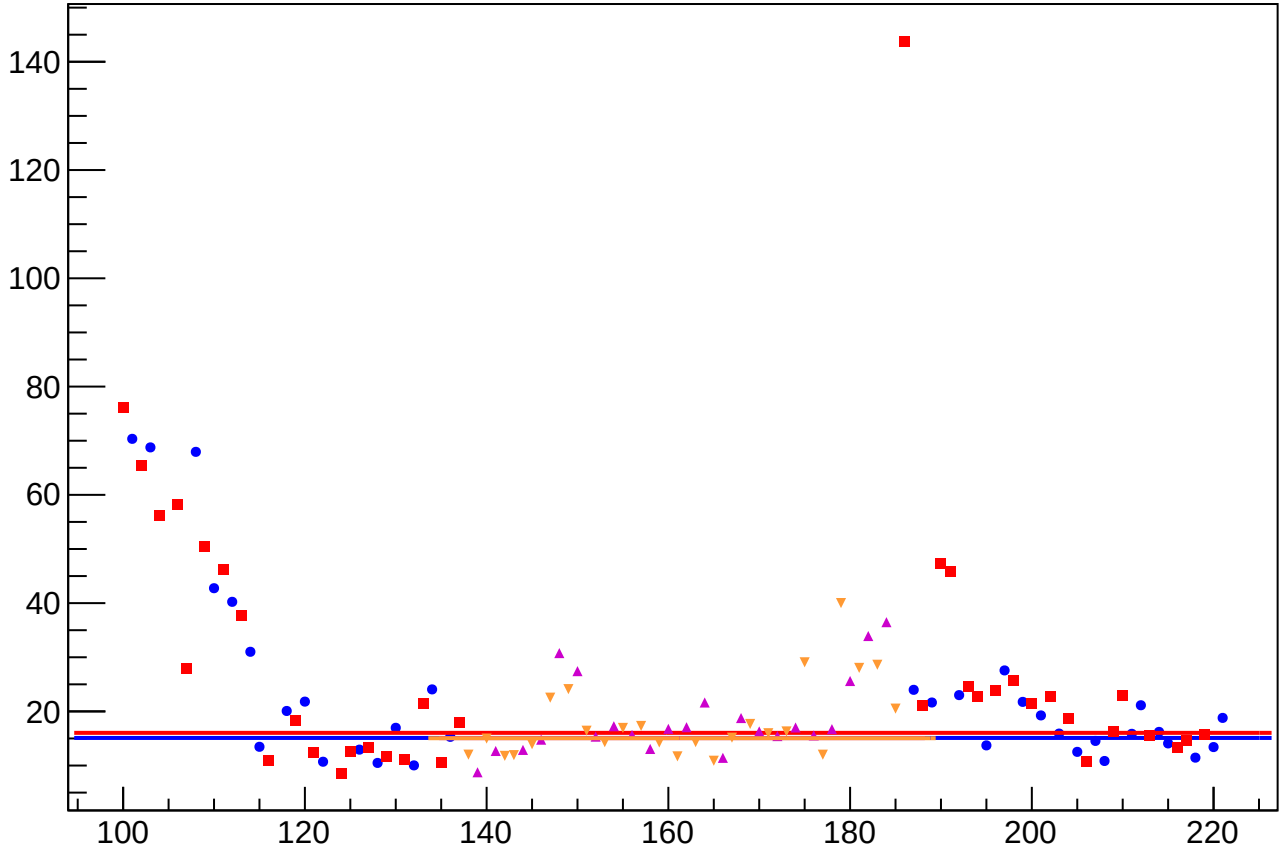
Right: -0.004+/-0.003 χ^2/NDF: 86.1/70

In: -0.000+/-0.003 χ^2/NDF:74.9/56

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 155.7/118

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

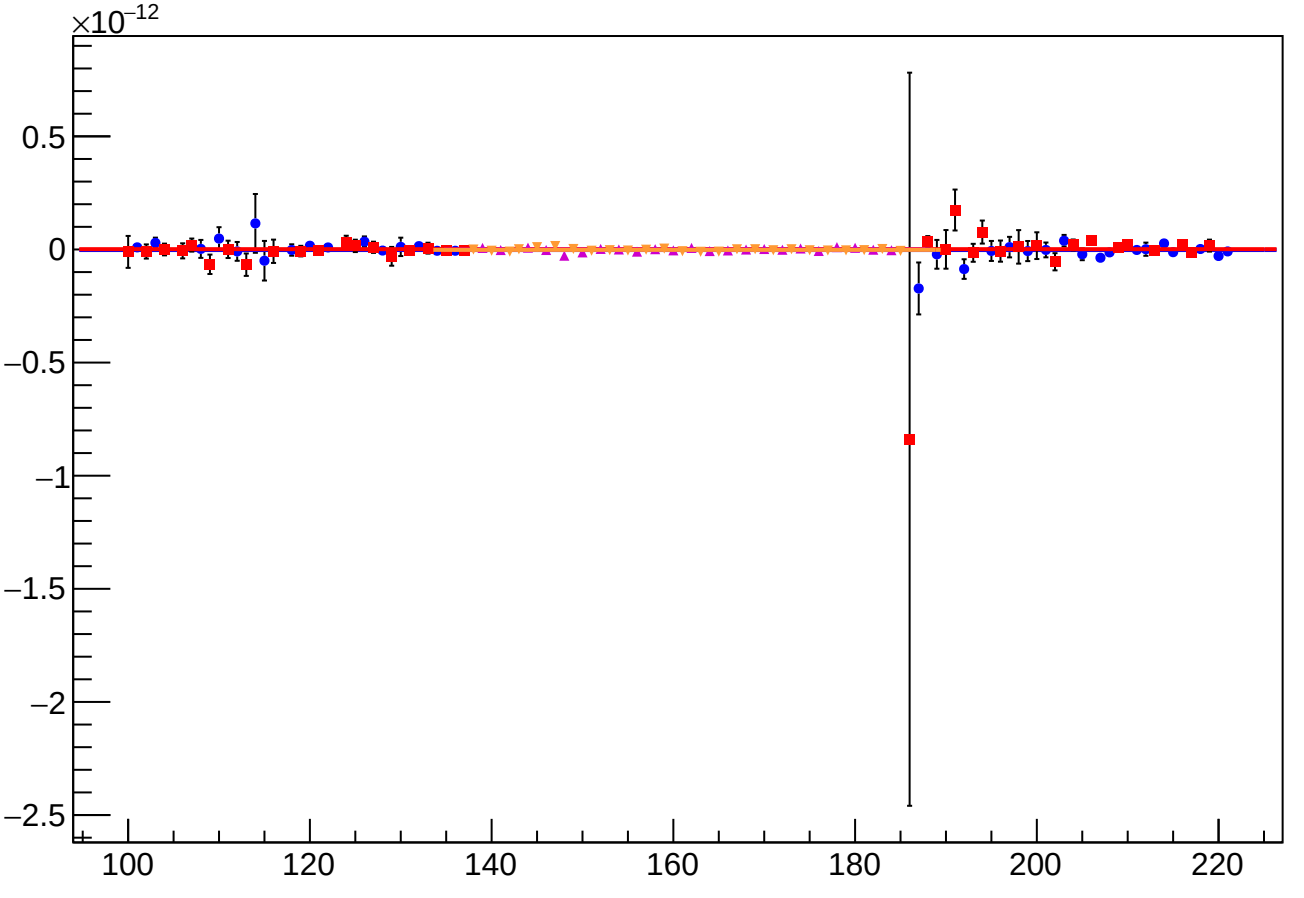
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.523+/-0.002 χ^2/NDF: 11788264.6/70

In: 15.083+/-0.002 χ^2/NDF:8152958.1/56

Out: 15.509+/-0.002 χ^2/NDF:9465493.4/61

All: 15.290+/-0.001 χ^2/NDF: 17644250.4/118



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: 26.9/36

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

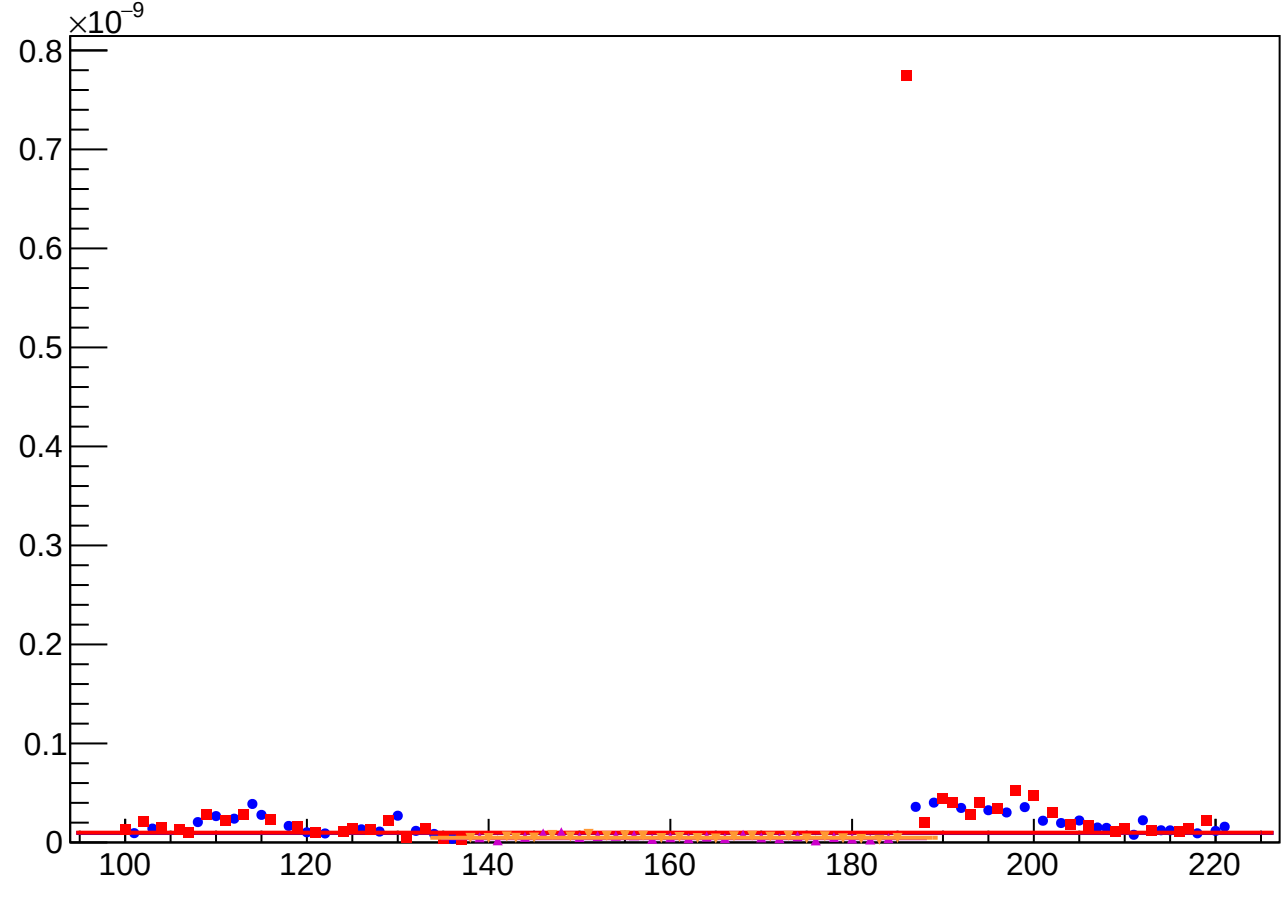
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 57.8/70

In: -0.000+/-0.000 χ^2/NDF:51.8/56

Out: -0.000+/-0.000 χ^2/NDF:42.9/61

All: -0.000+/-0.000 χ^2/NDF: 94.8/118



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: 11744749.0/36

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

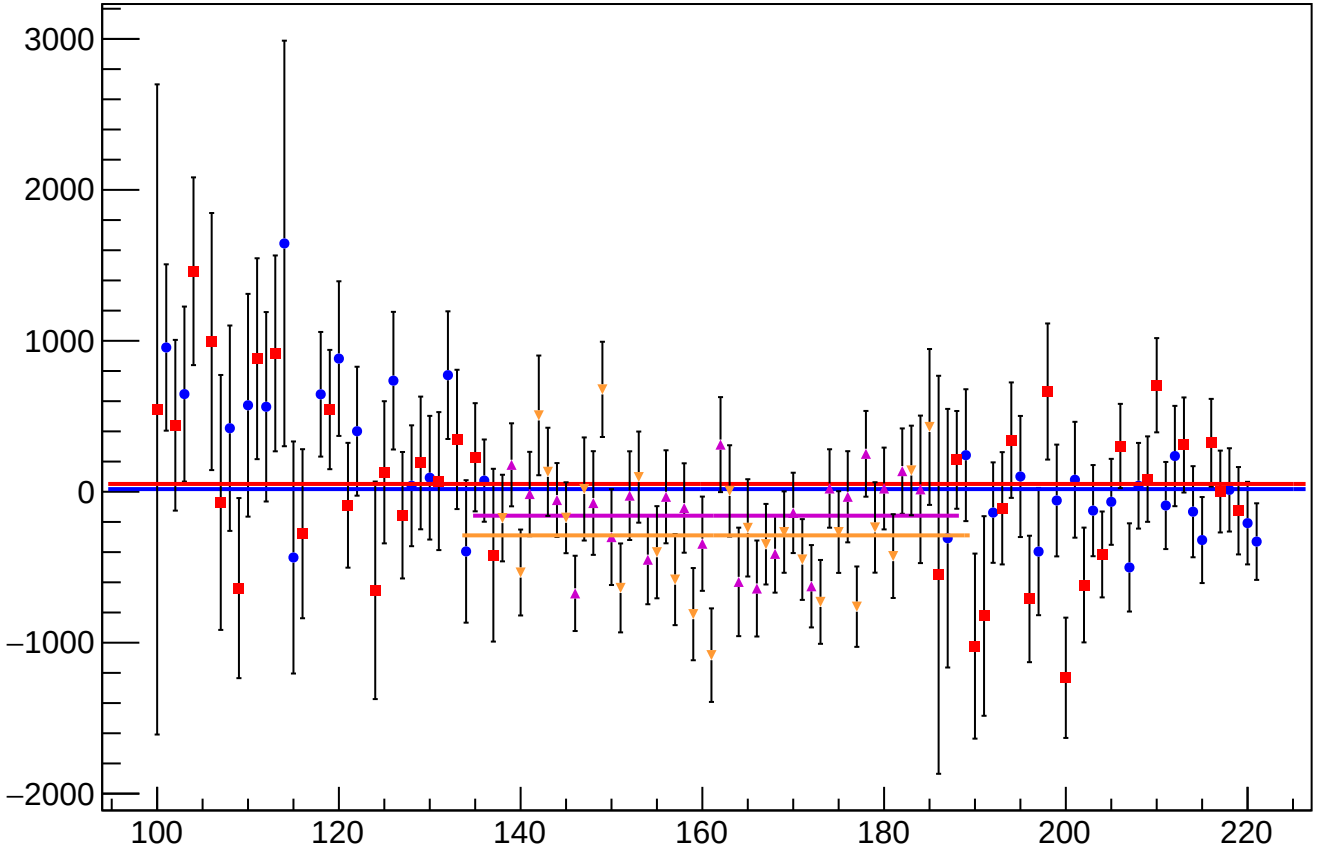
Right: 0.000+/-0.000 χ^2/NDF: 21458383.8/70

In: 0.000+/-0.000 χ^2/NDF:18416353.4/56

Out: 0.000+/-0.000 χ^2/NDF:18001756.8/61

All: 0.000+/-0.000 χ^2/NDF: 36513880.7/118

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: 51.730+/-67.791 χ^2/NDF: 50.8/36

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

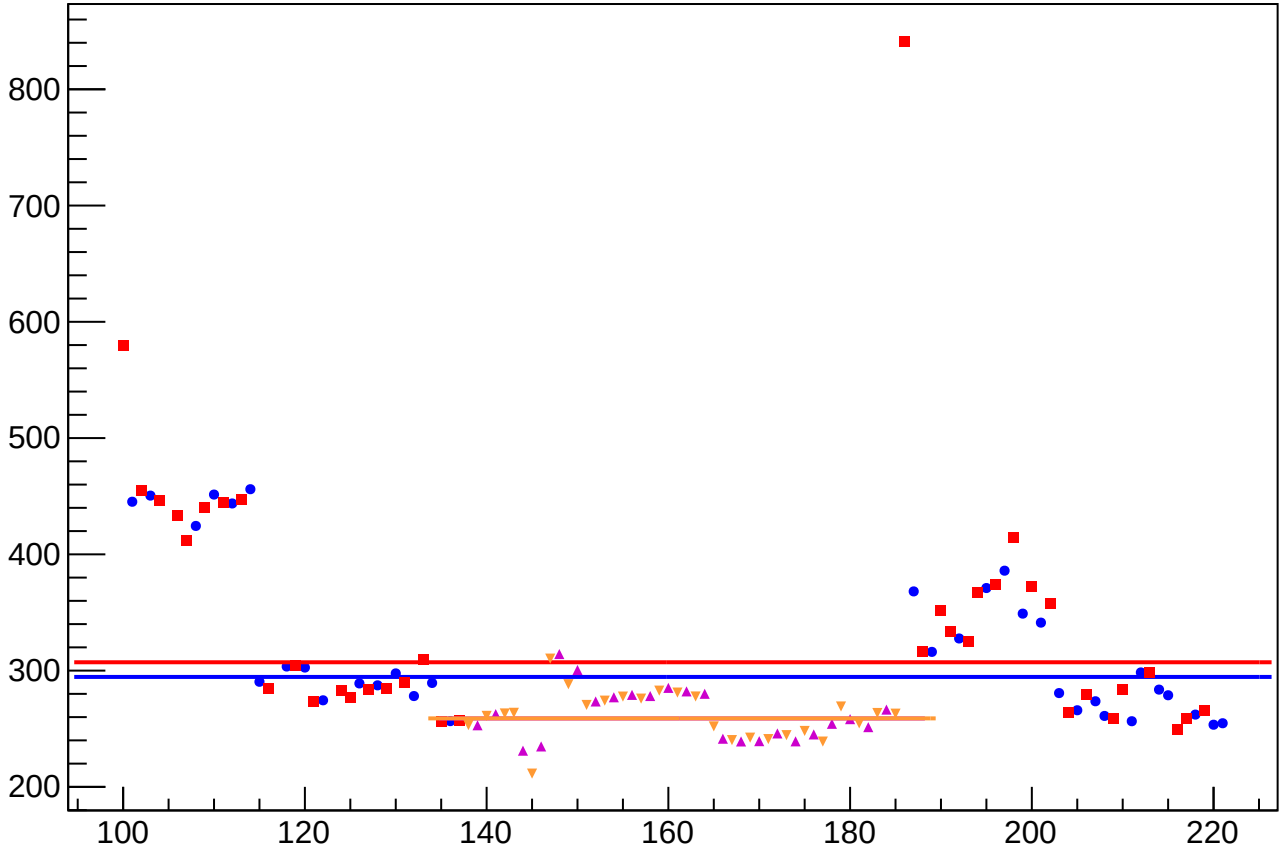
Right: 33.603+/-46.437 χ^2/NDF: 81.0/70

In: -74.800+/-43.959 χ^2/NDF:56.5/56

Out: -142.004+/-44.520 χ^2/NDF:107.6/61

All: -107.976+/-31.280 χ^2/NDF: 165.3/118

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: 307.178+/-0.048 χ^2/NDF: 1690784.5/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

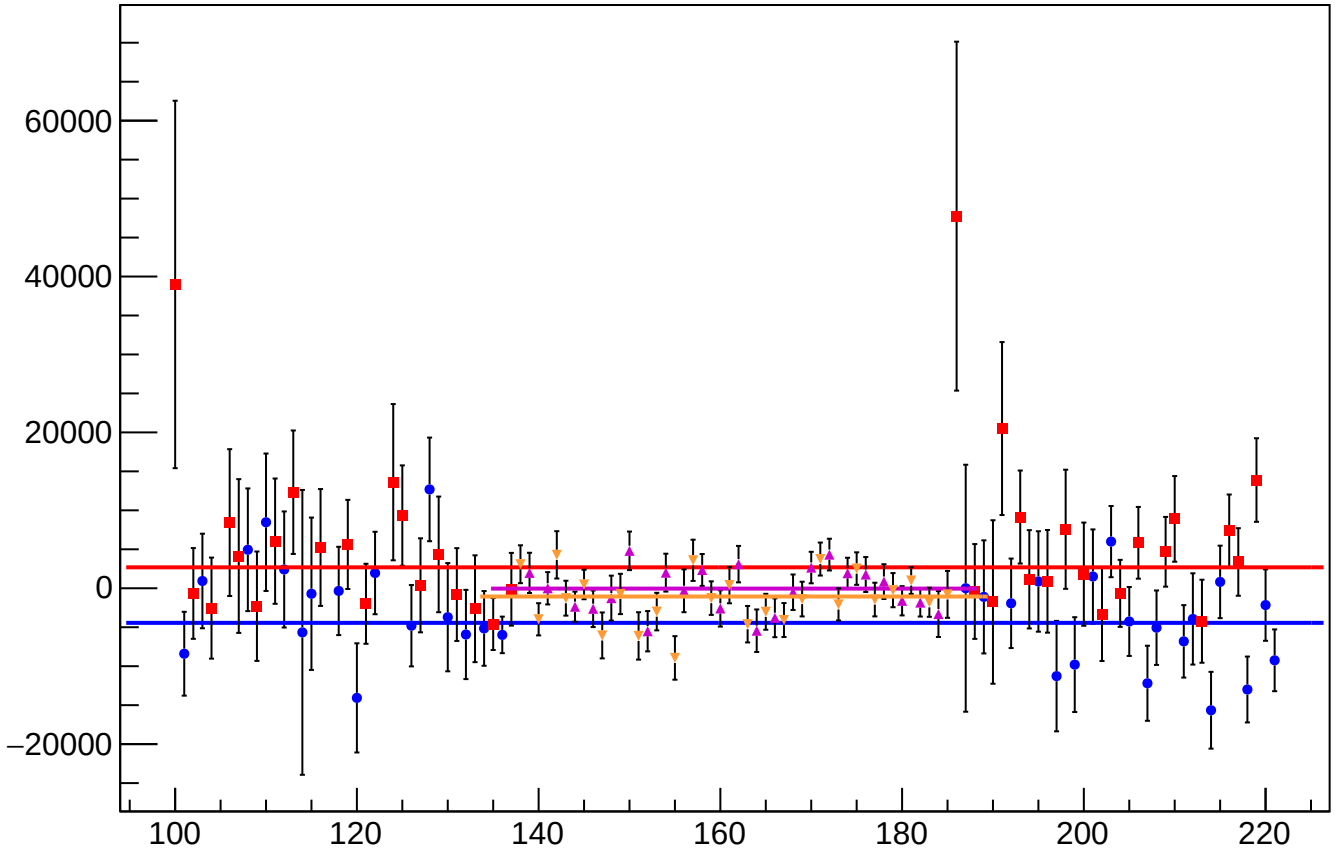
Right: 300.483+/-0.033 χ^2/NDF: 2883655.7/70

In: 275.834+/-0.031 χ^2/NDF:1730453.8/56

Out: 279.729+/-0.031 χ^2/NDF:2516119.9/61

All: 277.757+/-0.022 χ^2/NDF: 4254323.2/118

asym_sam2_reg_correction_mean vs Slug, Sign Corrected



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: 2687.152+/-988.507 χ^2/NDF: 35.1/36

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

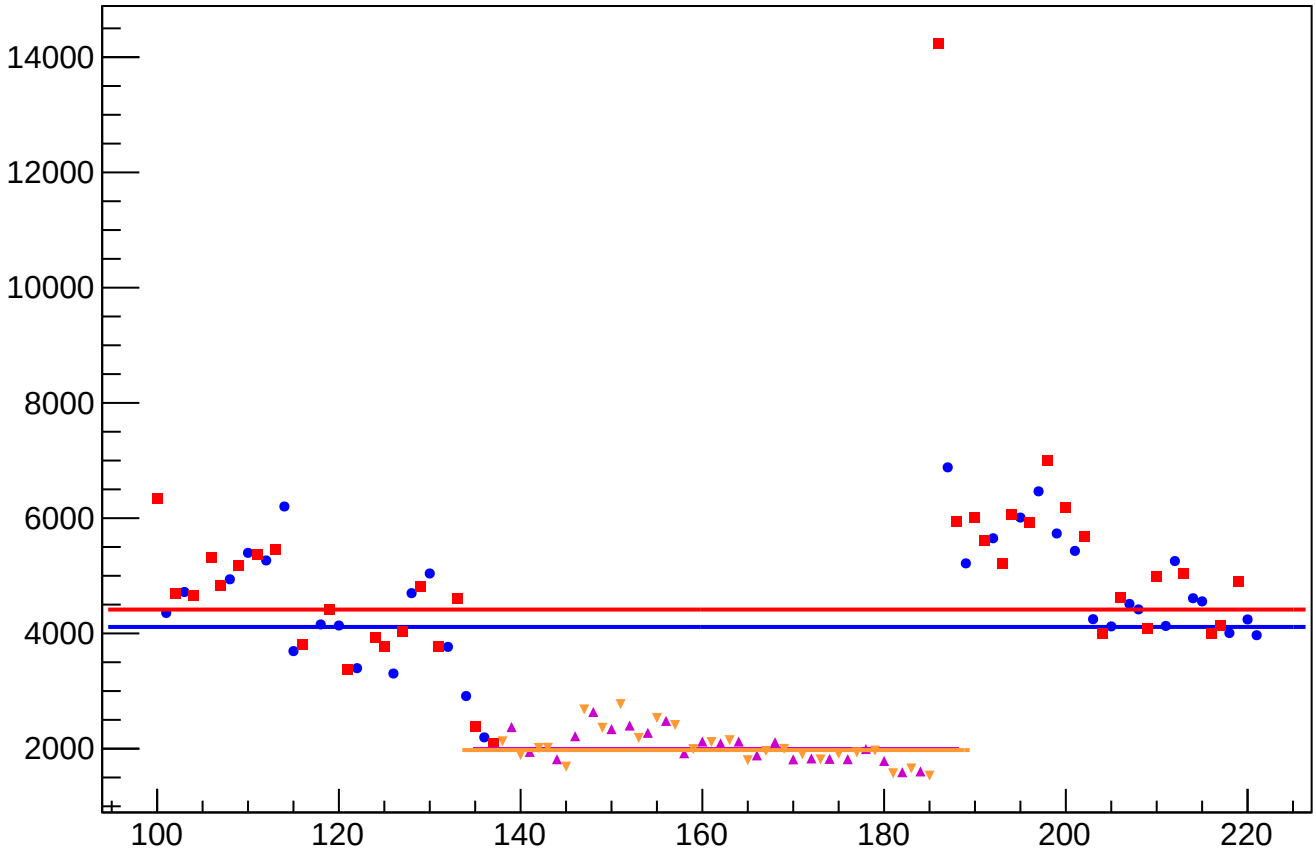
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1177.924+/-668.644 χ^2/NDF: 104.4/70

In: -975.214+/-417.873 χ^2/NDF:93.7/56

Out: -405.086+/-413.057 χ^2/NDF:88.4/61

All: -686.846+/-293.763 χ^2/NDF: 183.1/118



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: 4414.251+/-0.699 χ^2/NDF: 2971293.2/36

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

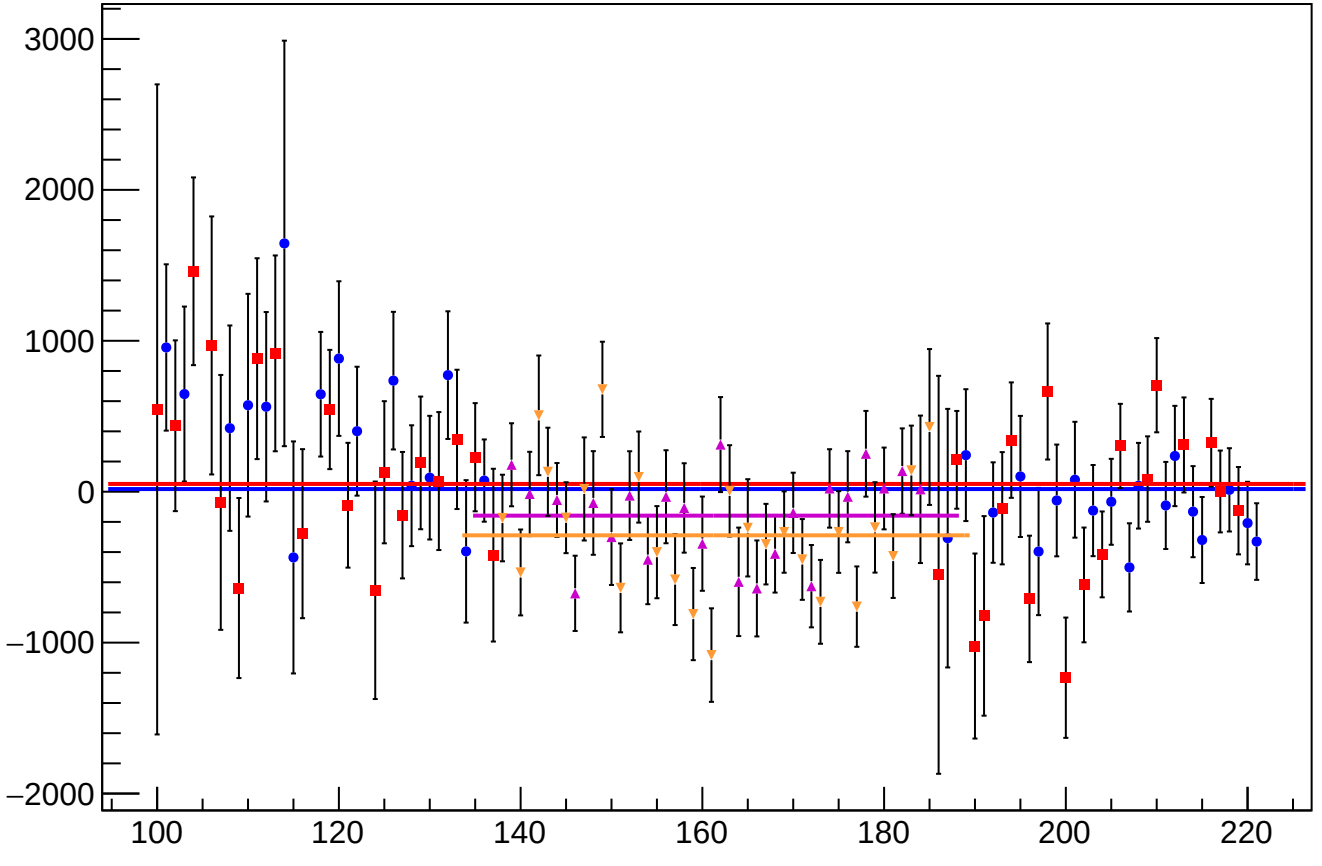
Right: 4250.591+/-0.473 χ^2/NDF: 5870342.0/70

In: 2443.450+/-0.295 χ^2/NDF:11975677.5/56

Out: 2401.708+/-0.292 χ^2/NDF:13778460.0/61

All: 2422.337+/-0.208 χ^2/NDF: 25764231.9/1

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: 51.460+/-67.793 χ^2/NDF: 50.7/36

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

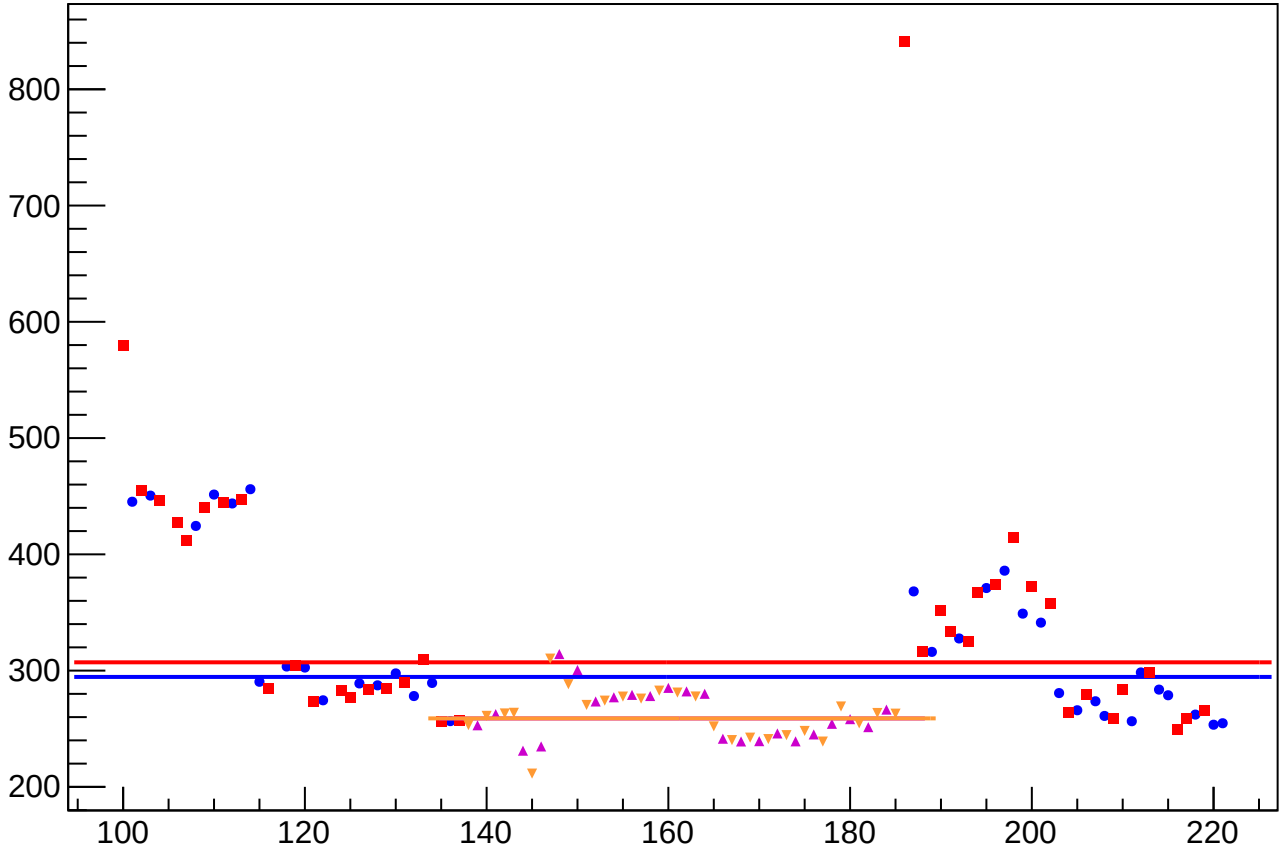
Right: 33.464+/-46.437 χ^2/NDF: 80.9/70

In: -74.816+/-43.959 χ^2/NDF:56.5/56

Out: -142.128+/-44.521 χ^2/NDF:107.5/61

All: -108.045+/-31.280 χ^2/NDF: 165.2/118

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: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

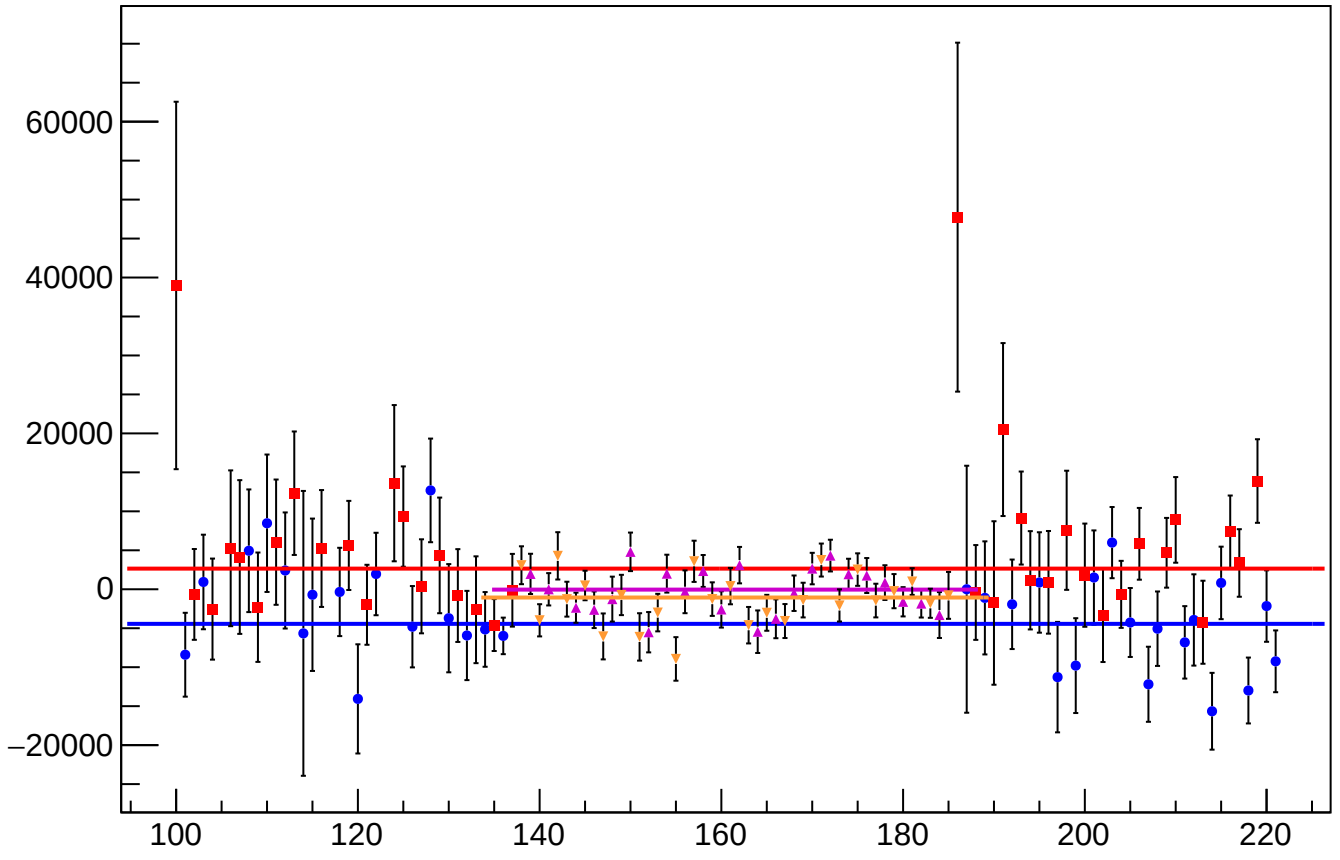
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 300.461+/-0.033 χ^2/NDF: 2878692.3/70

In: 275.834+/-0.031 χ^2/NDF:1730455.4/56

Out: 279.707+/-0.031 χ^2/NDF:2510272.2/61

All: 277.746+/-0.022 χ^2/NDF: 4248392.1/118



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: 2649.385+/-989.130 χ^2/NDF: 34.7/36

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

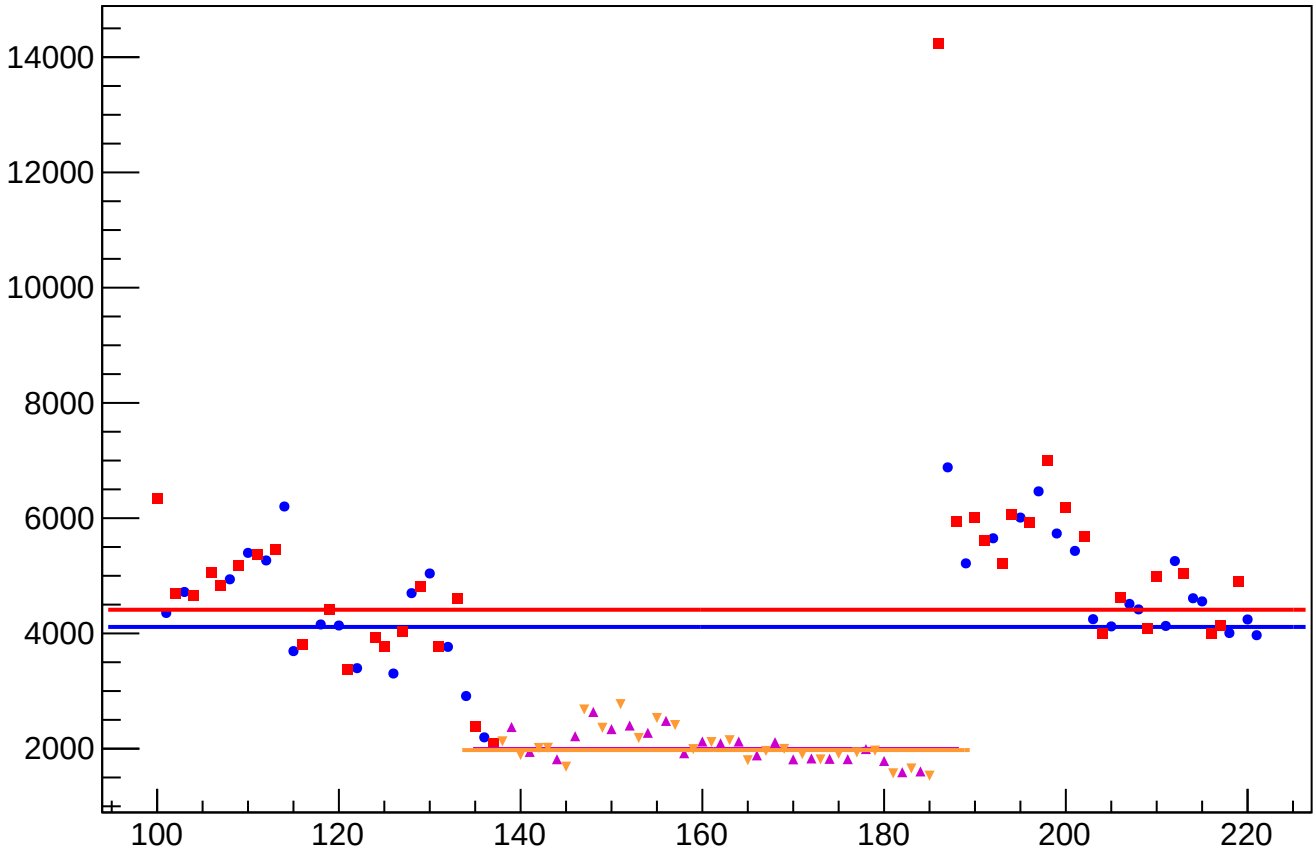
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1197.406+/-668.837 χ^2/NDF: 103.7/70

In: -975.206+/-417.873 χ^2/NDF:93.7/56

Out: -412.356+/-413.103 χ^2/NDF:87.9/61

All: -690.550+/-293.780 χ^2/NDF: 182.5/118



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: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

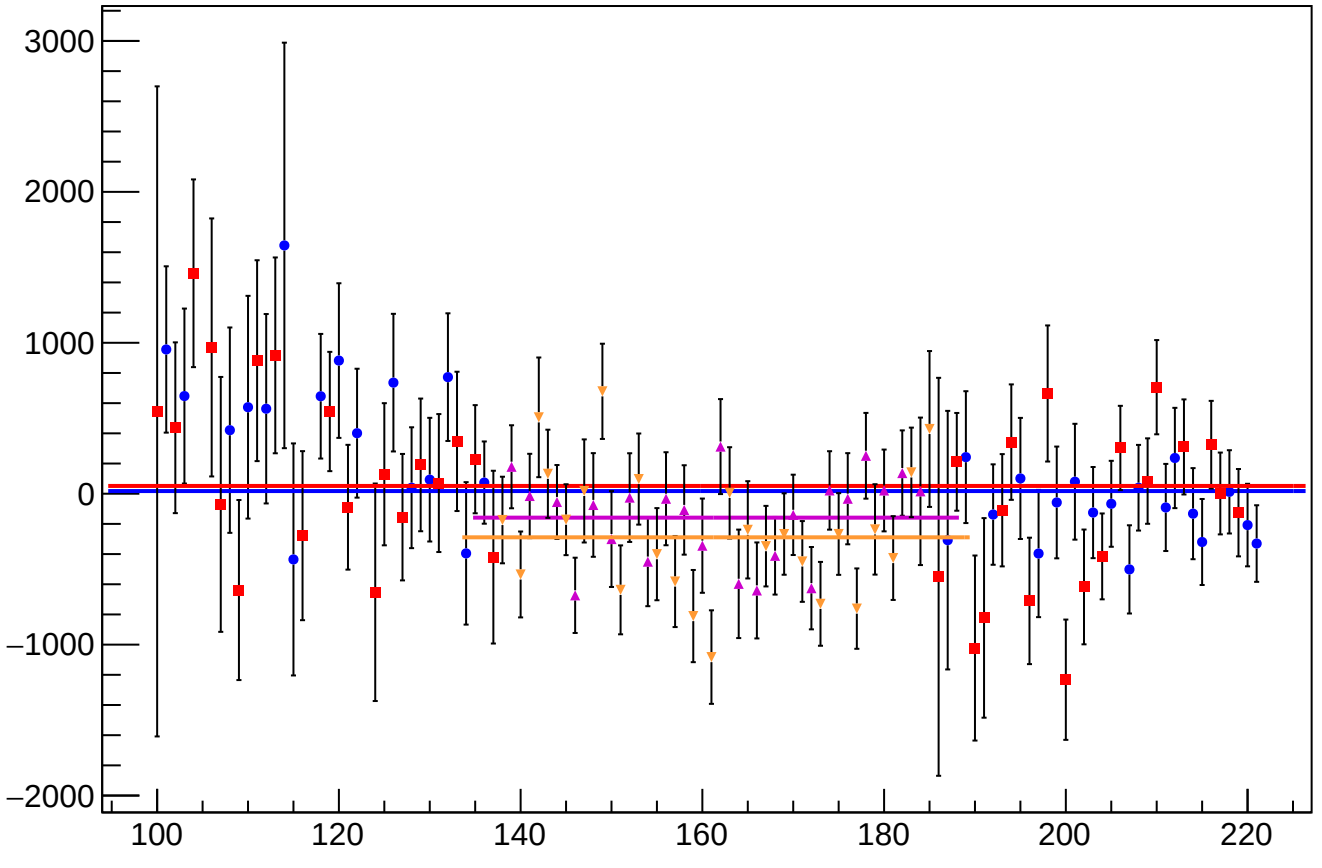
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4248.923+/-0.473 χ^2/NDF: 5858401.8/70

In: 2443.451+/-0.295 χ^2/NDF:11975697.3/56

Out: 2400.665+/-0.292 χ^2/NDF:13730112.6/61

All: 2421.812+/-0.208 χ^2/NDF: 25716413.9/1



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: 51.460+/-67.793 χ^2/NDF: 50.7/36

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

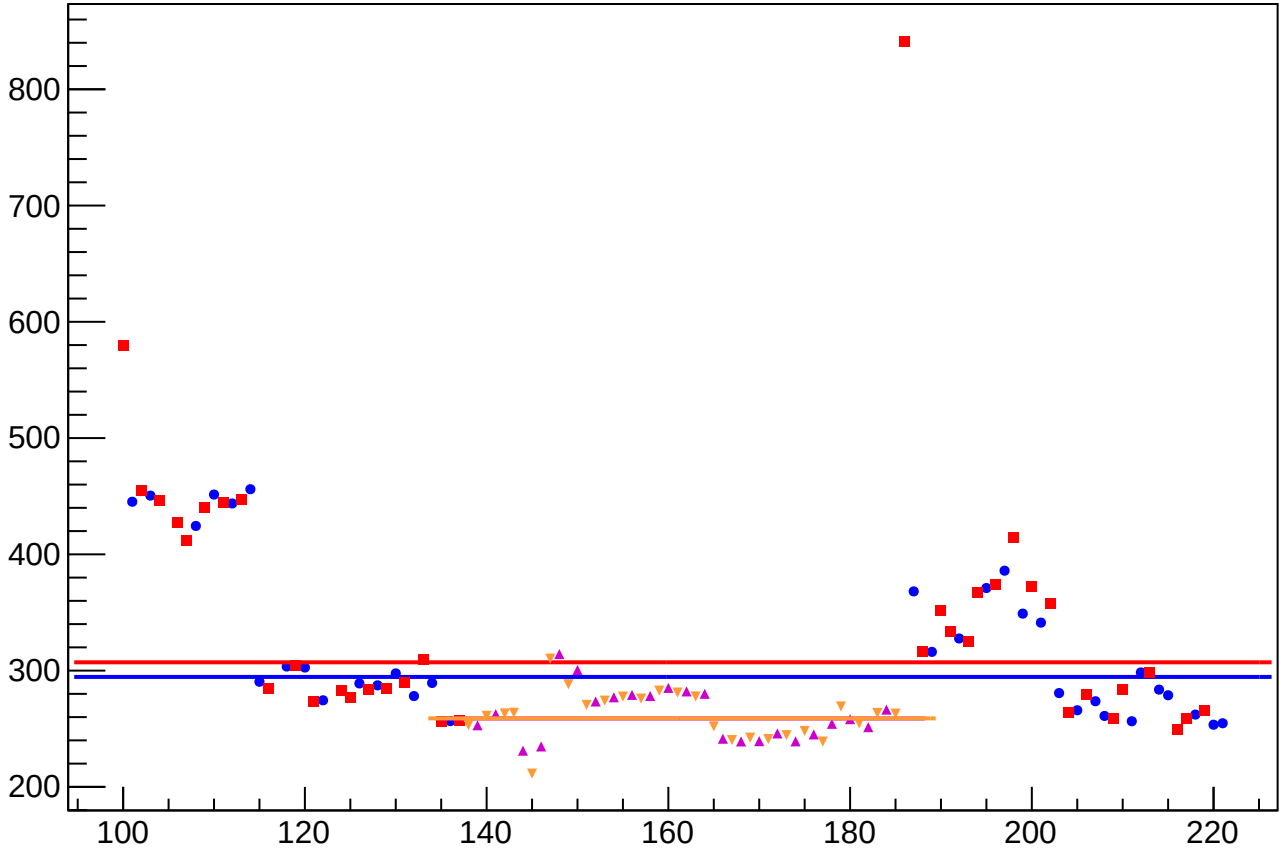
Right: 33.464+/-46.437 χ^2/NDF: 80.9/70

In: -74.816+/-43.959 χ^2/NDF:56.5/56

Out: -142.128+/-44.521 χ^2/NDF:107.5/61

All: -108.045+/-31.280 χ^2/NDF: 165.2/118

eigen_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: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

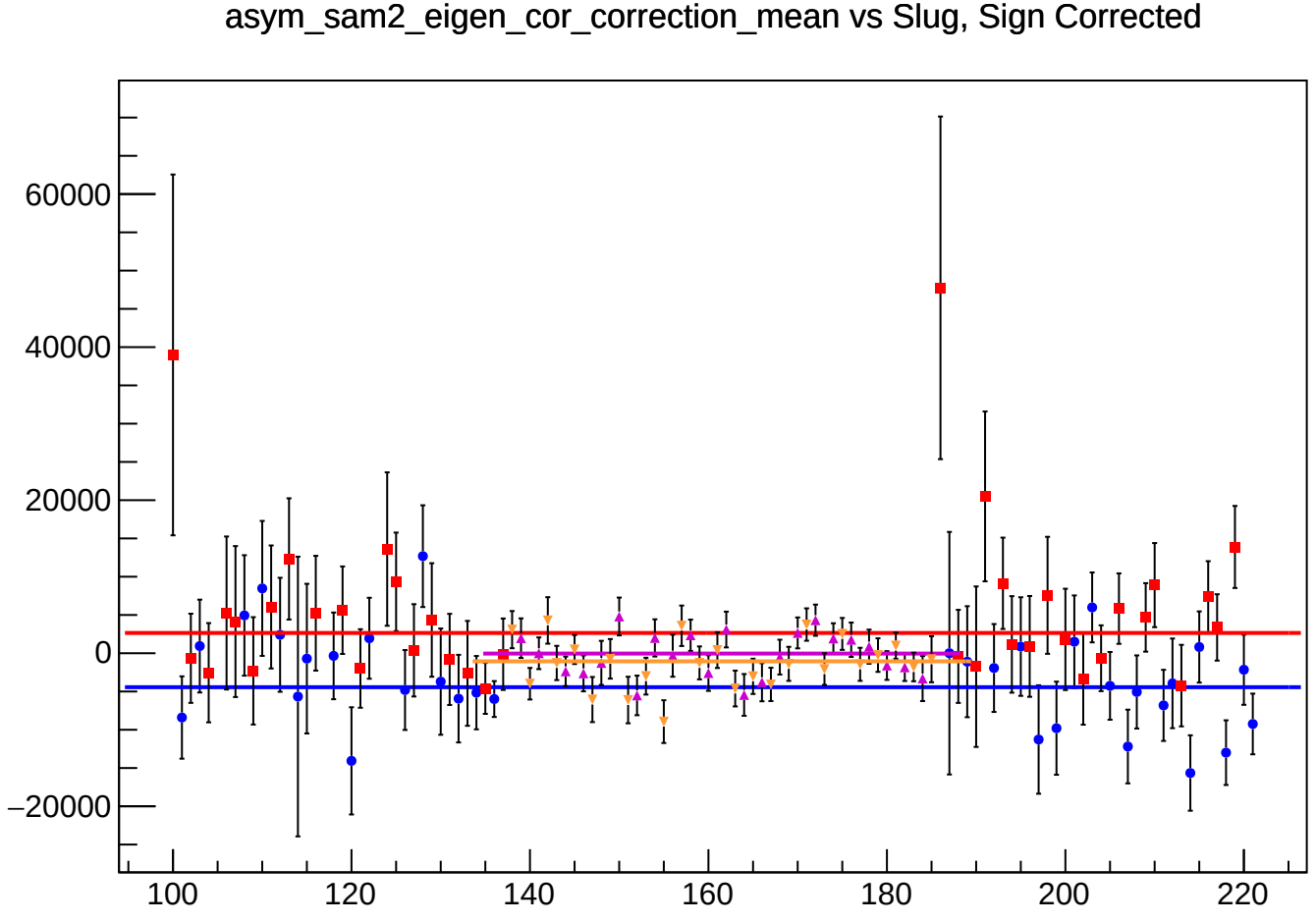
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 300.461+/-0.033 χ^2/NDF: 2878692.3/70

In: 275.834+/-0.031 χ^2/NDF:1730455.4/56

Out: 279.707+/-0.031 χ^2/NDF:2510272.2/61

All: 277.746+/-0.022 χ^2/NDF: 4248392.1/118



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: 2649.385+/-989.130 χ^2/NDF: 34.7/36

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

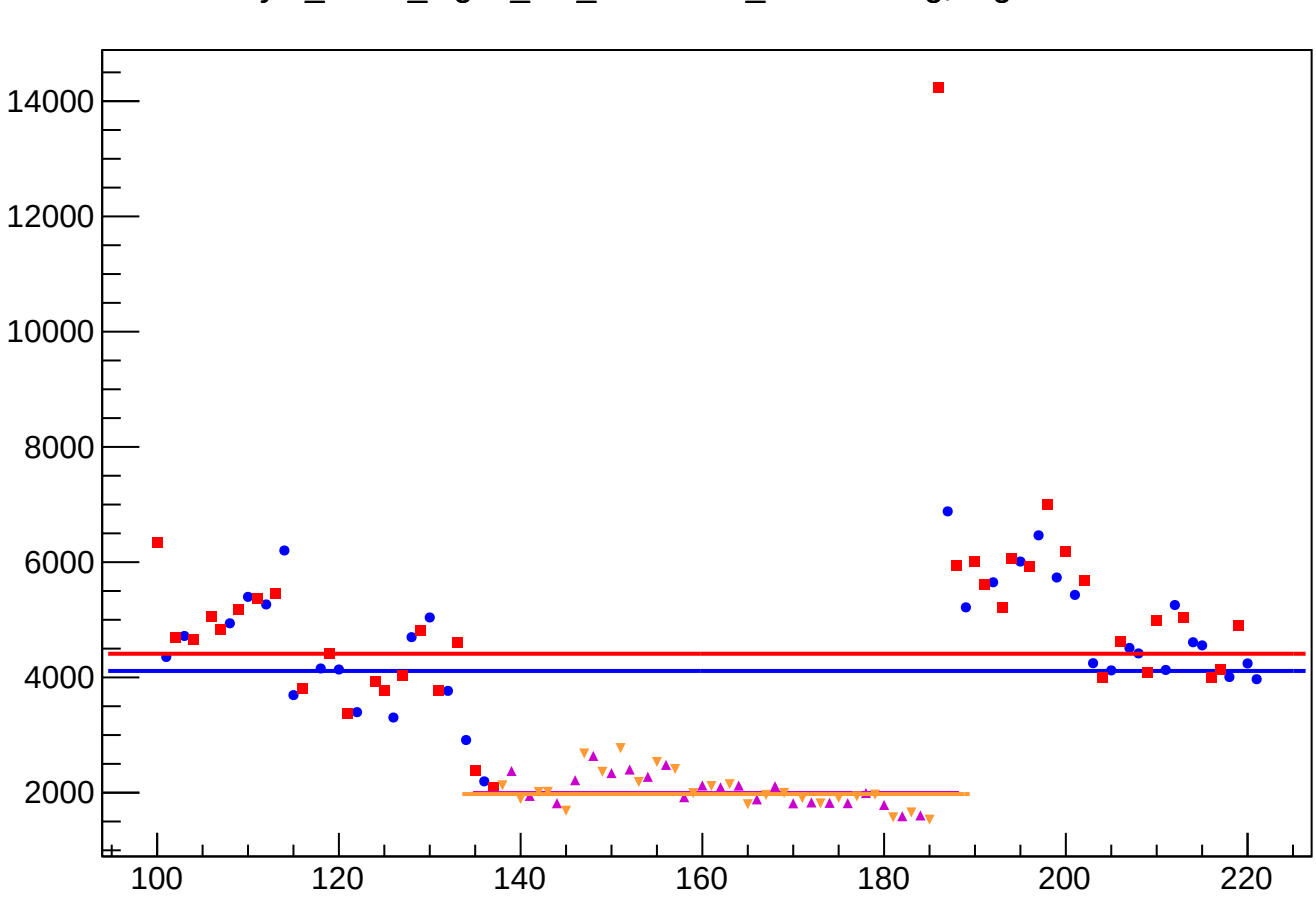
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1197.406+/-668.837 χ^2/NDF: 103.7/70

In: -975.206+/-417.873 χ^2/NDF:93.7/56

Out: -412.356+/-413.103 χ^2/NDF:87.9/61

All: -690.550+/-293.780 χ^2/NDF: 182.5/118



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: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

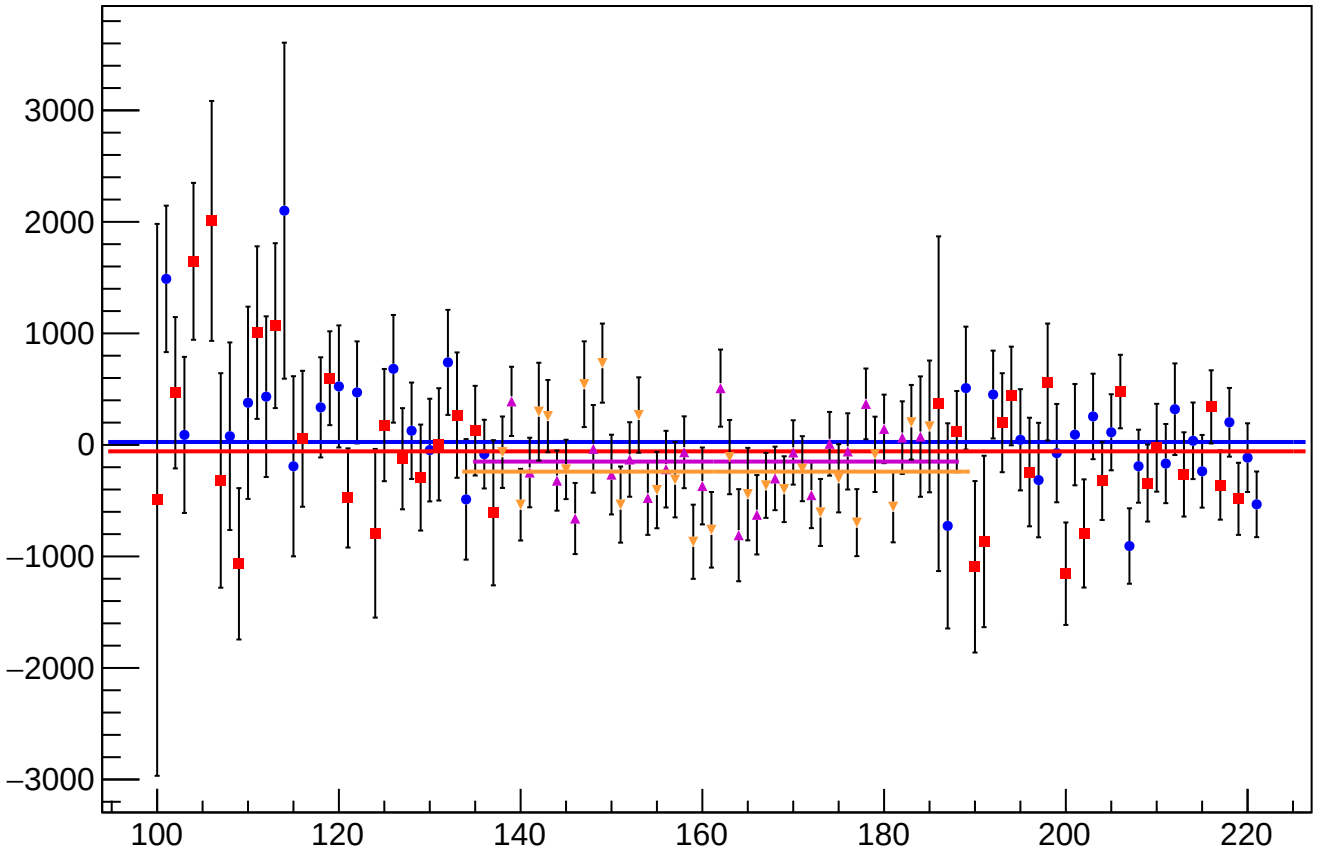
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4248.923+/-0.473 χ^2/NDF: 5858401.8/70

In: 2443.451+/-0.295 χ^2/NDF:11975697.3/56

Out: 2400.665+/-0.292 χ^2/NDF:13730112.6/61

All: 2421.812+/-0.208 χ^2/NDF: 25716413.9/1



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: -57.626+/-78.362 χ^2/NDF: 45.5/36

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

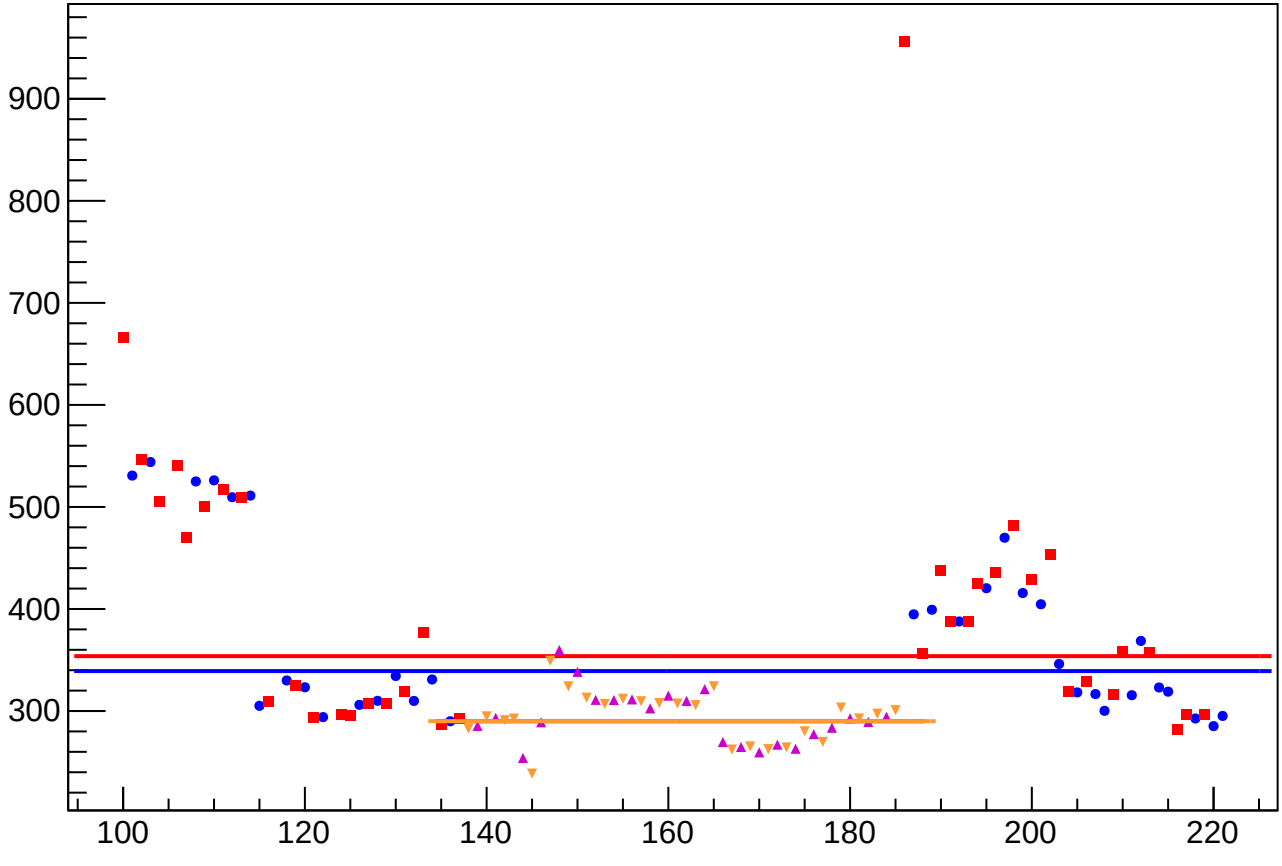
Right: -13.083+/-53.667 χ^2/NDF: 78.2/70

In: -68.422+/-50.024 χ^2/NDF:56.9/56

Out: -163.828+/-50.555 χ^2/NDF:82.7/61

All: -115.622+/-35.559 χ^2/NDF: 141.4/118

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: 353.780+/-0.055 χ^2/NDF: 1874497.7/36

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

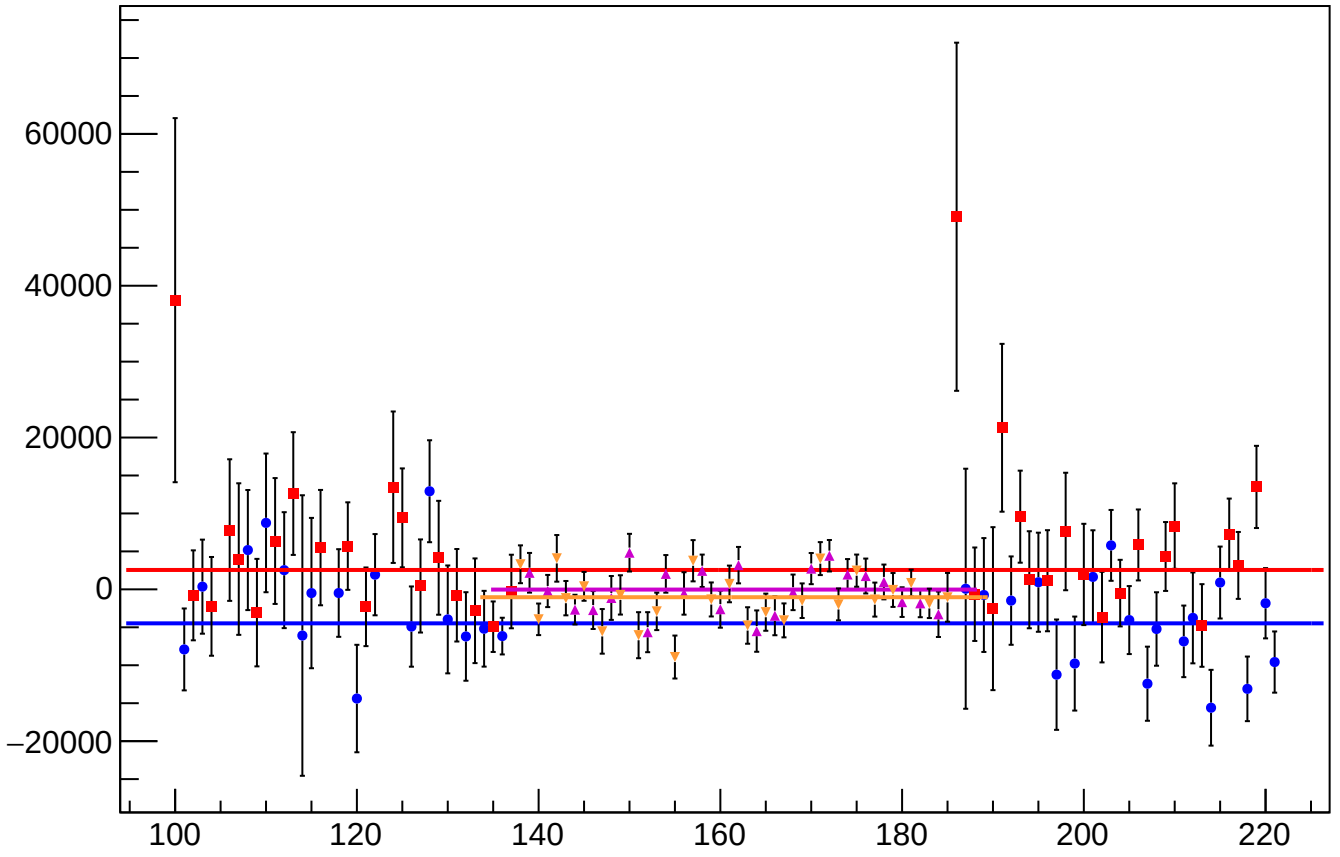
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 346.001+/-0.038 χ^2/NDF: 3271539.1/70

In: 312.634+/-0.035 χ^2/NDF:2110154.9/56

Out: 316.560+/-0.036 χ^2/NDF:2928047.3/61

All: 314.576+/-0.025 χ^2/NDF: 5044295.0/118



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: 2553.592+/-1001.324 χ^2/NDF: 35.4/36

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

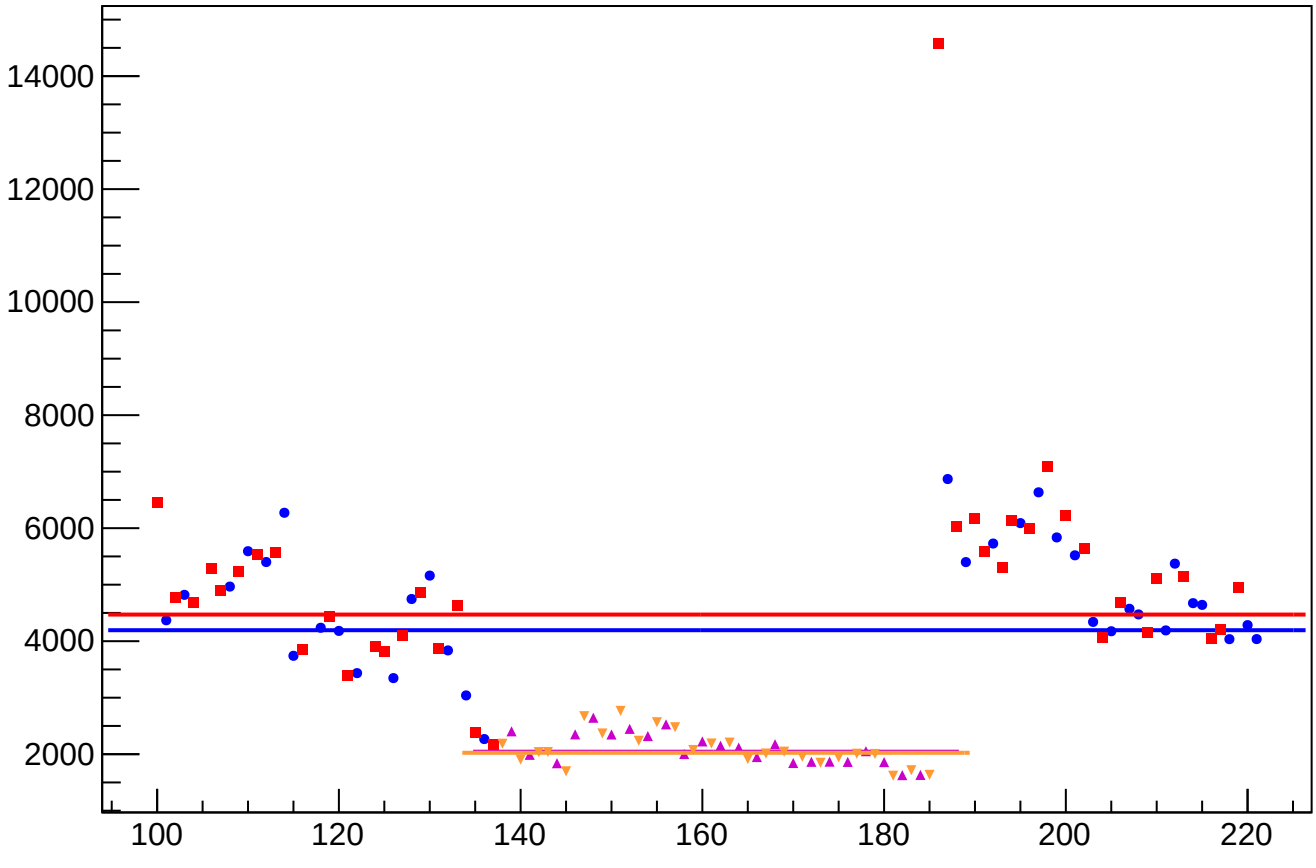
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -1242.119+/-679.327 χ^2/NDF: 102.8/70

In: -981.749+/-427.612 χ^2/NDF:93.1/56

Out: -398.974+/-421.985 χ^2/NDF:86.3/61

All: -686.502+/-300.358 χ^2/NDF: 180.3/118



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: 4471.057+/-0.708 χ^2/NDF: 2965229.9/36

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

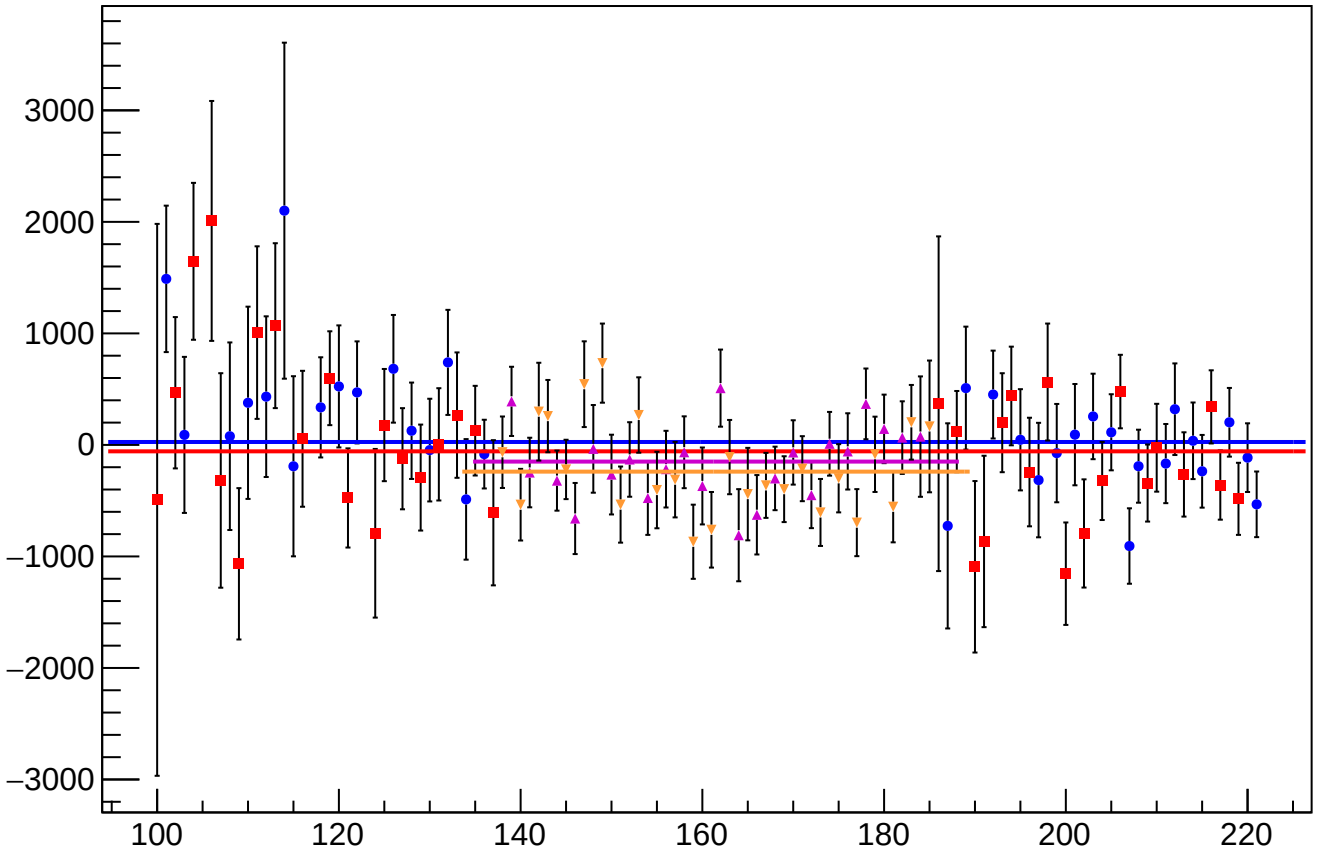
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4321.648+/-0.480 χ^2/NDF: 5758642.2/70

In: 2504.255+/-0.302 χ^2/NDF:11793831.0/56

Out: 2459.490+/-0.298 χ^2/NDF:13480508.8/61

All: 2481.576+/-0.212 χ^2/NDF: 25285443.9/1



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: -57.629+/-78.361 χ^2/NDF: 45.5/36

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

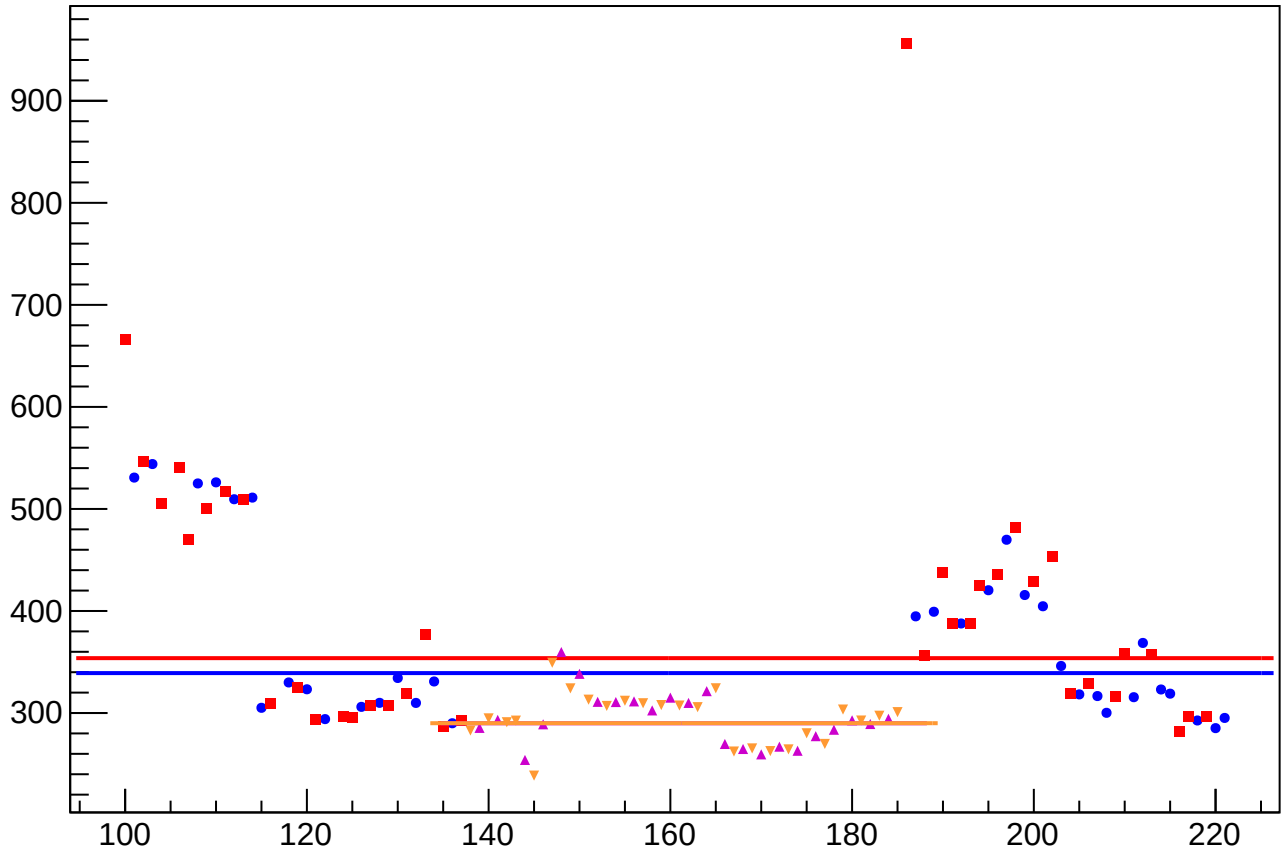
Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

Right: -13.080+/-53.667 χ^2/NDF: 78.2/70

In: -68.418+/-50.024 χ^2/NDF:56.9/56

Out: -163.832+/-50.555 χ^2/NDF:82.7/61

All: -115.621+/-35.559 χ^2/NDF: 141.4/118



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: 353.779+/-0.055 χ^2/NDF: 1874487.8/36

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

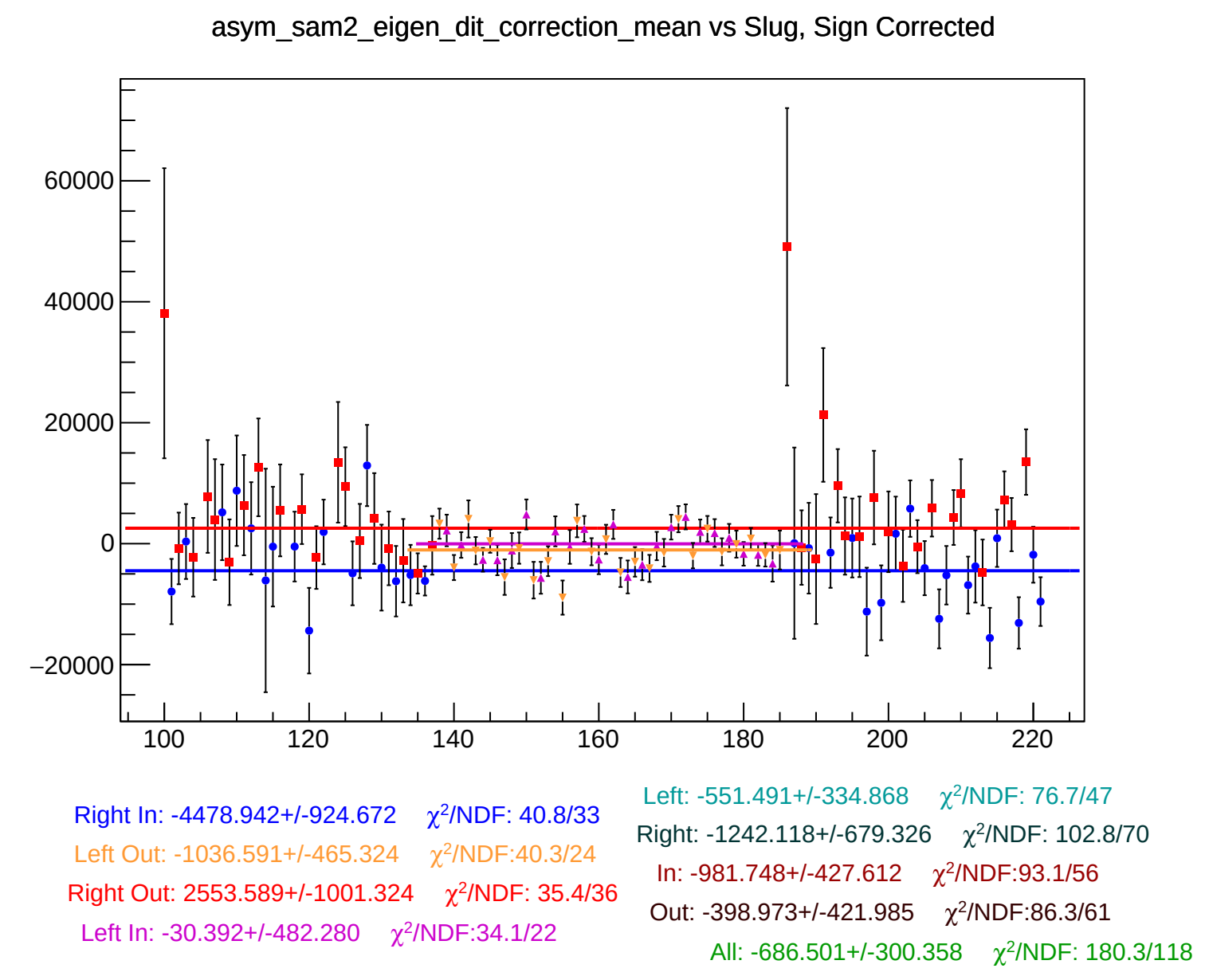
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

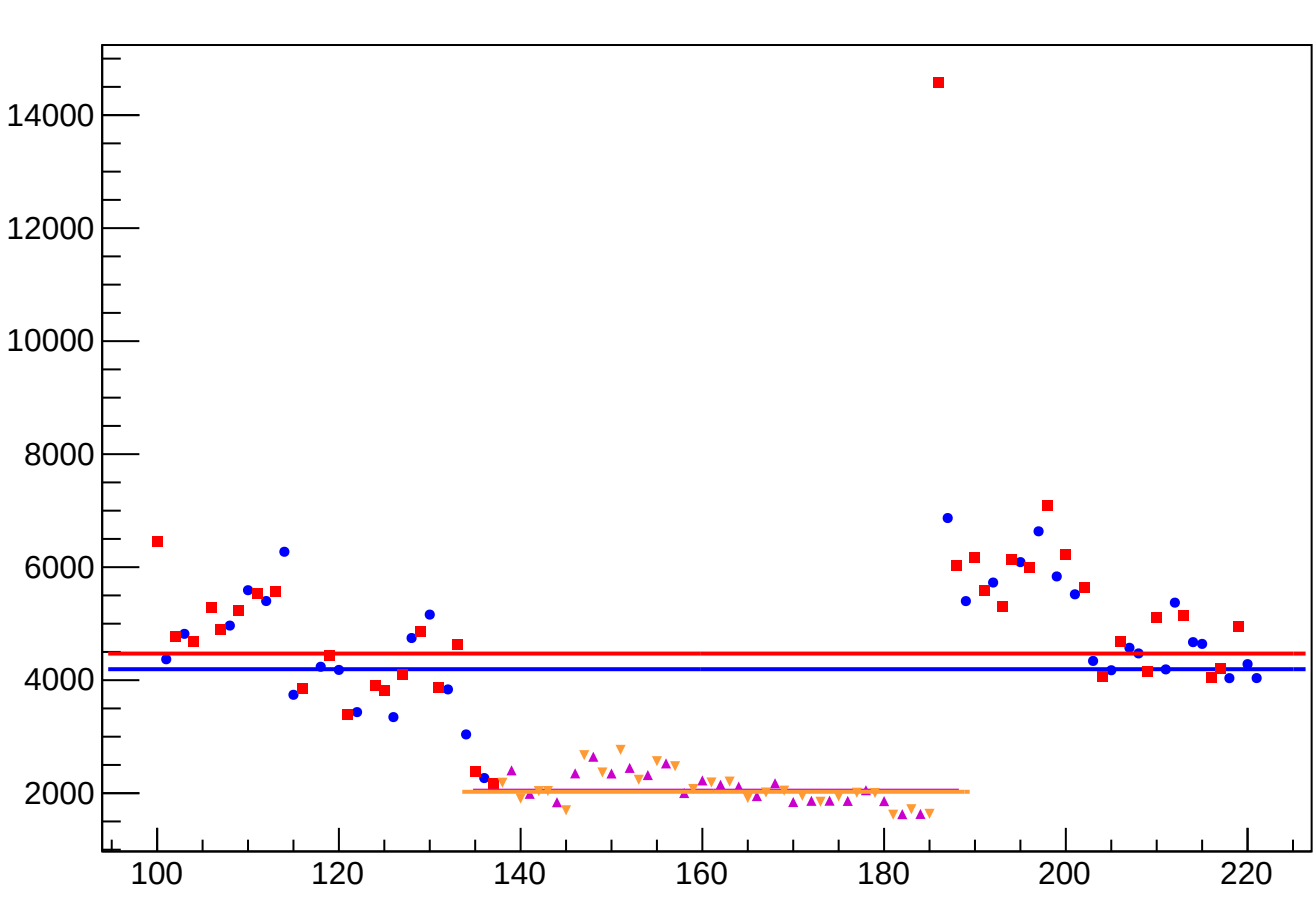
Right: 346.001+/-0.038 χ^2/NDF: 3271530.5/70

In: 312.634+/-0.035 χ^2/NDF:2110142.2/56

Out: 316.560+/-0.036 χ^2/NDF:2928033.4/61

All: 314.576+/-0.025 χ^2/NDF: 5044269.1/118


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
220
Right In: -4478.942+/-924.672 χ²/NDF: 40.8/33
Left Out: -1036.591+/-465.324 χ²/NDF:40.3/24
Right Out: 2553.589+/-1001.324 χ²/NDF: 35.4/36
Left In: -30.392+/-482.280 χ²/NDF:34.1/22
Left: -551.491+/-334.868 χ²/NDF: 76.7/47
Right: -1242.118+/-679.326 χ²/NDF: 102.8/70
In: -981.748+/-427.612 χ²/NDF:93.1/56
Out: -398.973+/-421.985 χ²/NDF:86.3/61
All: -686.501+/-300.358 χ²/NDF: 180.3/118



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: 4471.055+/-0.708 χ^2/NDF: 2965224.4/36

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

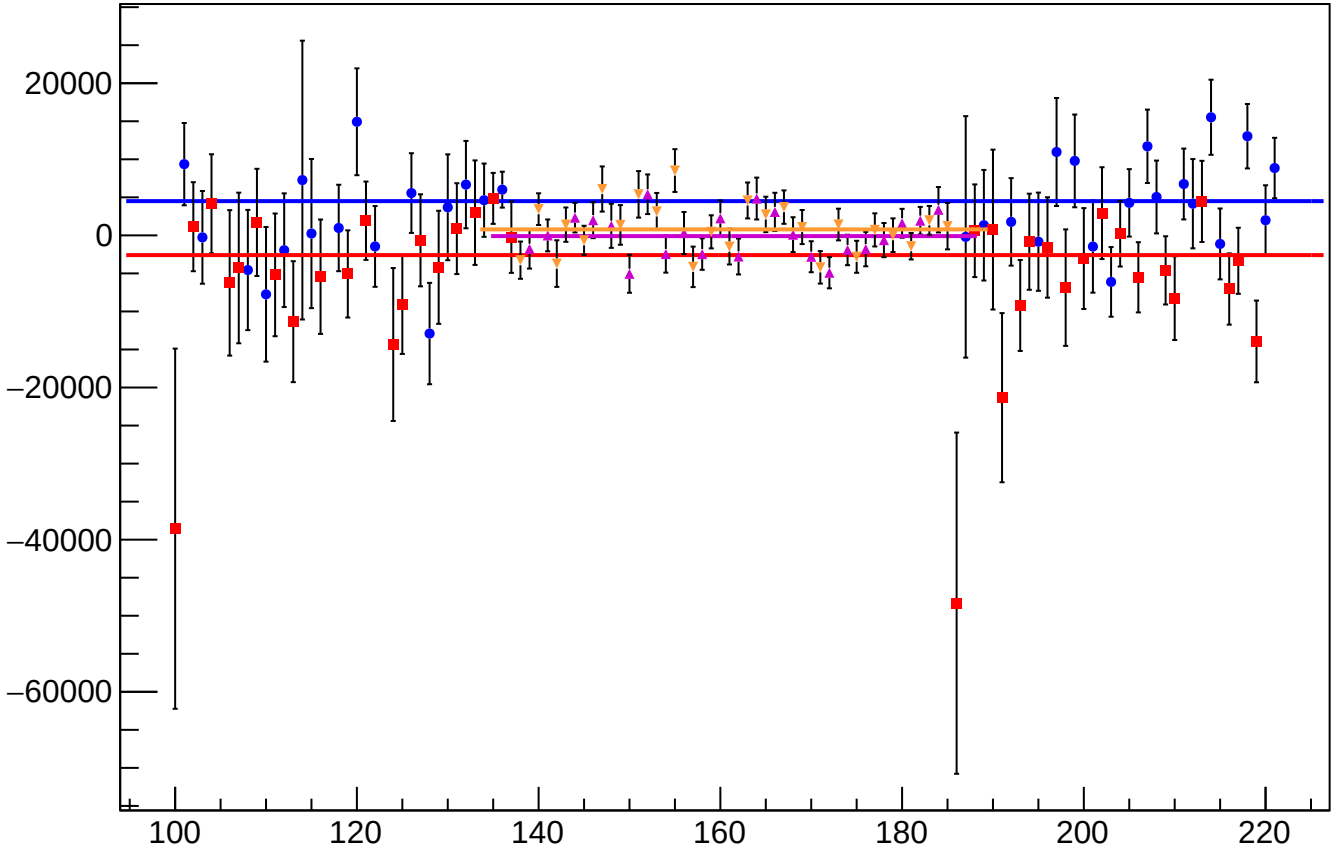
Right: 4321.645+/-0.480 χ^2/NDF: 5758629.9/70

In: 2504.255+/-0.302 χ^2/NDF:11793819.0/56

Out: 2459.491+/-0.298 χ^2/NDF:13480496.5/61

All: 2481.576+/-0.212 χ^2/NDF: 25285419.4/1

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: -2592.196+/-991.542 χ^2/NDF: 34.6/36

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

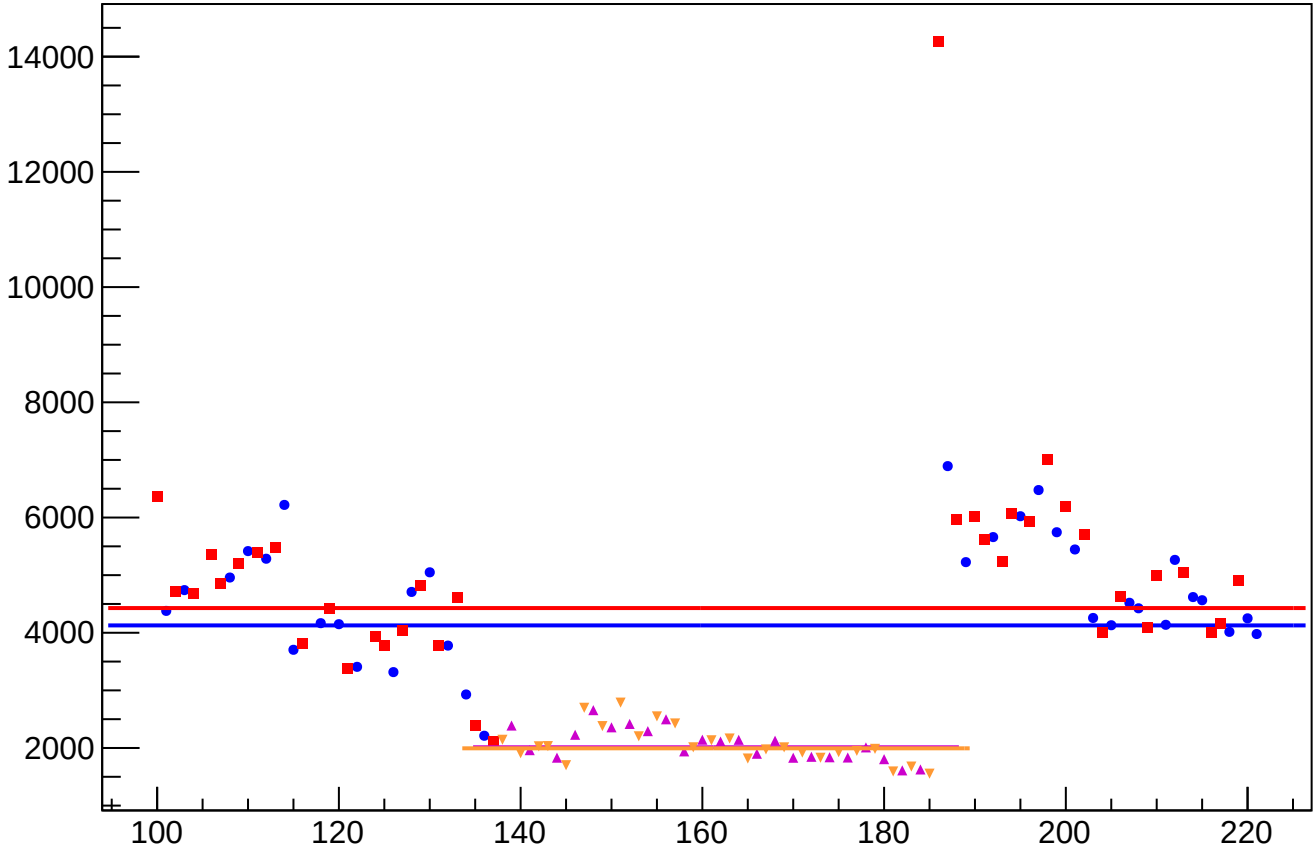
Right: 1255.253+/-670.769 χ^2/NDF: 102.8/70

In: 885.943+/-421.045 χ^2/NDF:93.4/56

Out: 192.335+/-416.330 χ^2/NDF:85.5/61

All: 535.233+/-296.043 χ^2/NDF: 180.2/118

asym_sam2_rms vs Slug, Sign Corrected



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: 4428.747+/-0.701 χ^2/NDF: 2949094.2/36

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

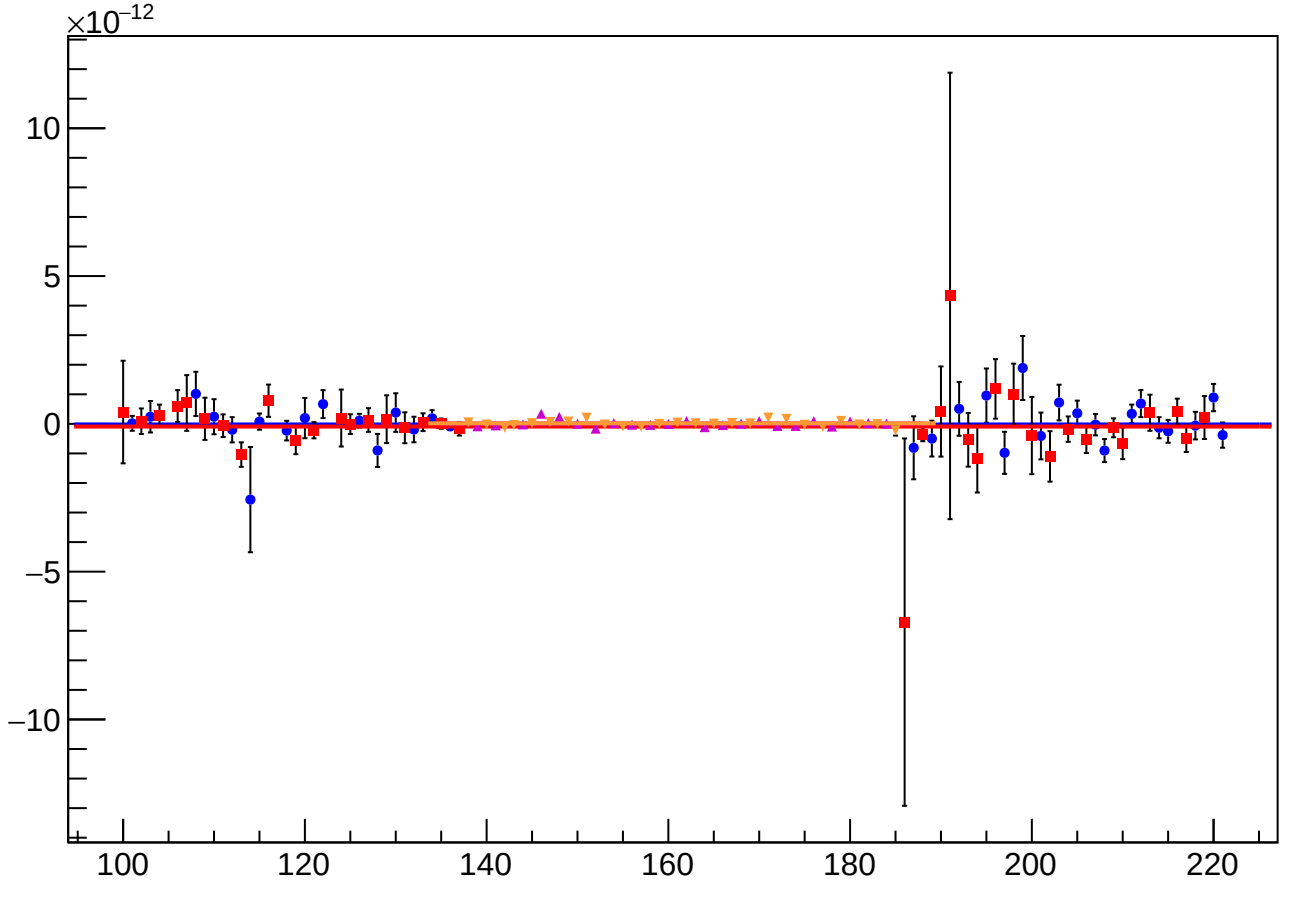
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4265.488+/-0.474 χ^2/NDF: 5814496.0/70

In: 2464.670+/-0.298 χ^2/NDF:11832747.1/56

Out: 2423.449+/-0.294 χ^2/NDF:13626675.9/61

All: 2443.827+/-0.209 χ^2/NDF: 25469115.6/



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: 27.2/36

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

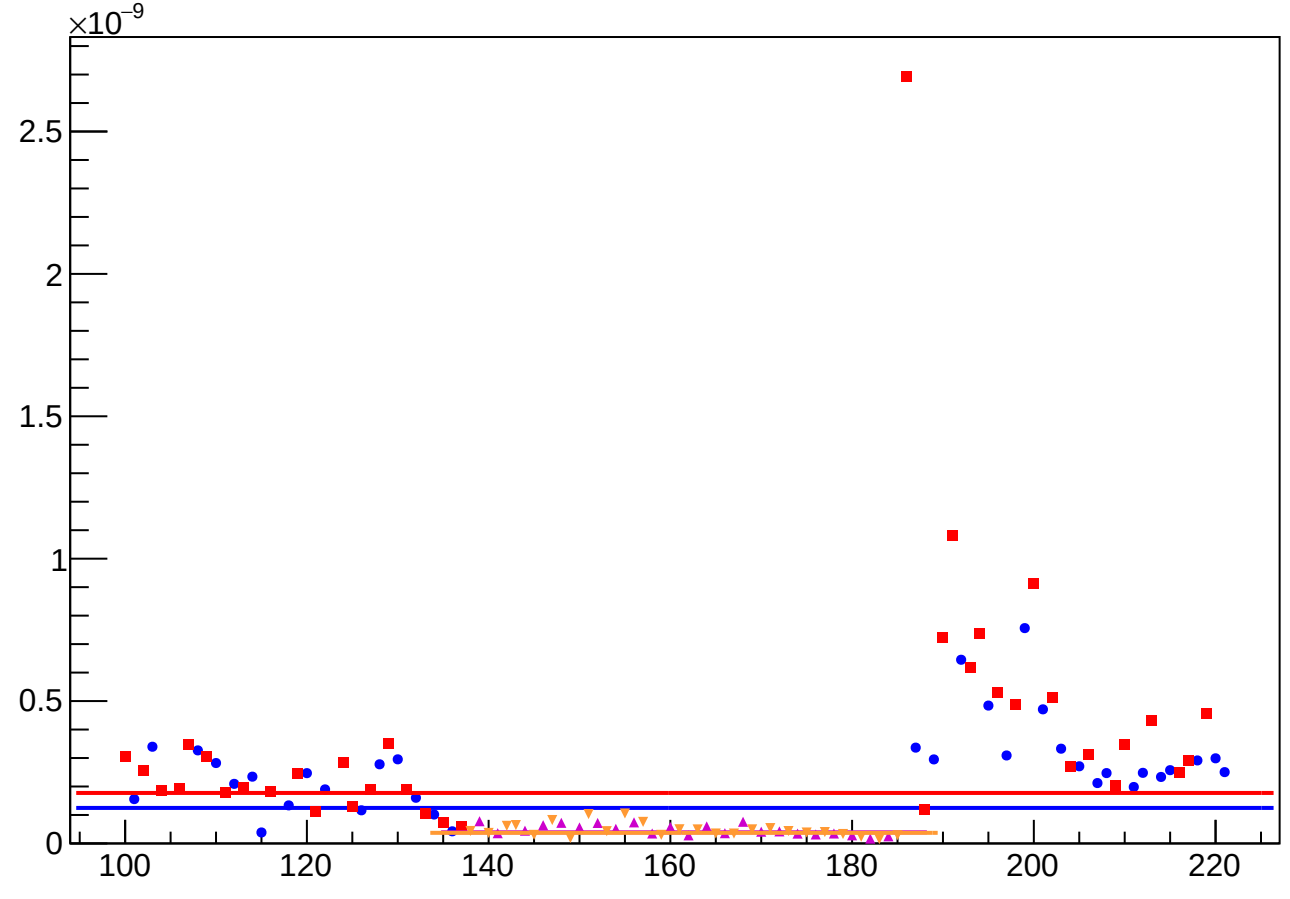
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 63.8/70

In: 0.000+/-0.000 χ^2/NDF:67.0/56

Out: 0.000+/-0.000 χ^2/NDF:50.7/61

All: 0.000+/-0.000 χ^2/NDF: 117.7/118



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: 6258608.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

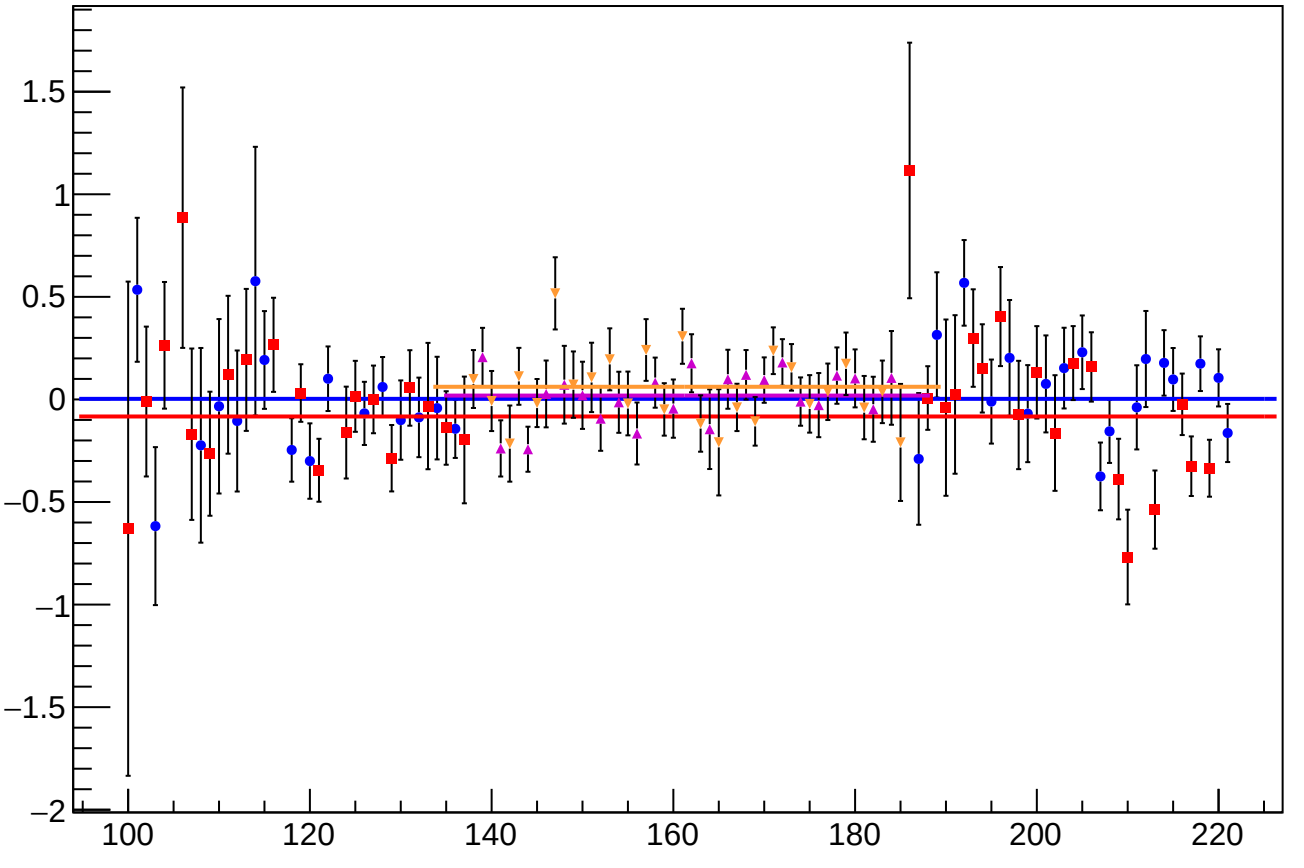
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15187494.3/70

In: 0.000+/-0.000 χ^2/NDF:14829755.4/56

Out: 0.000+/-0.000 χ^2/NDF:16145413.3/61

All: 0.000+/-0.000 χ^2/NDF: 31009176.3/118



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: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

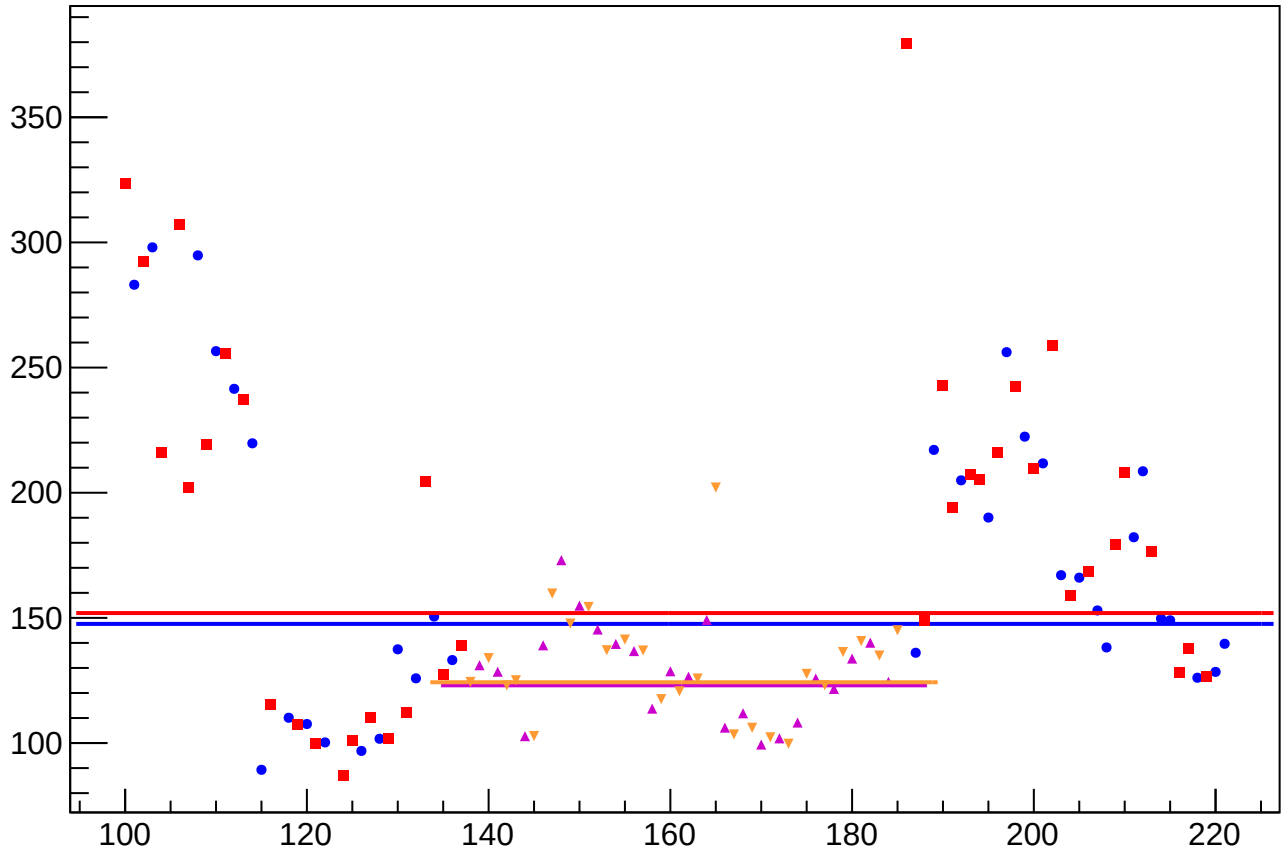
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.038+/-0.024 χ^2/NDF: 96.2/70

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.008+/-0.016 χ^2/NDF: 151.2/118



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: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

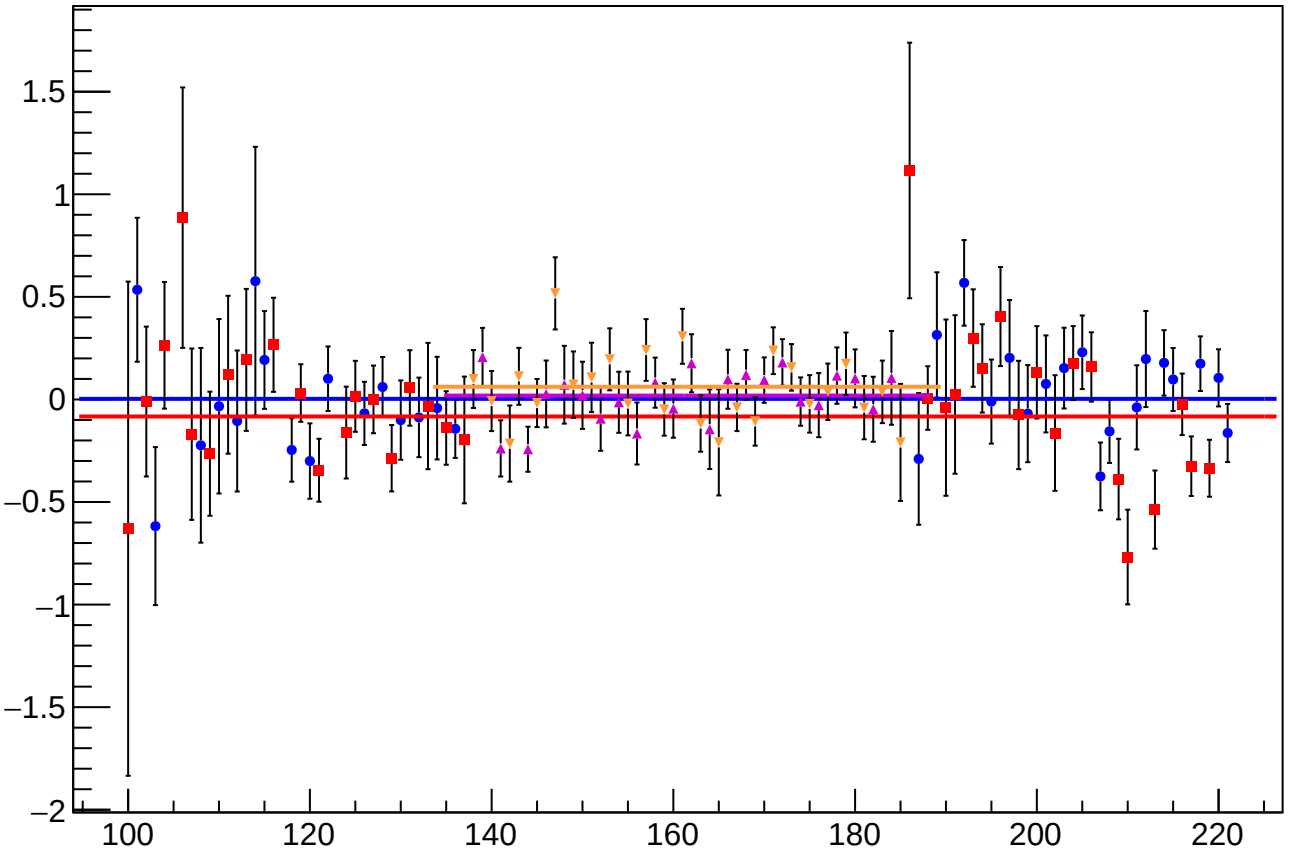
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.655+/-0.017 χ^2/NDF: 7451493.6/70

In: 133.809+/-0.016 χ^2/NDF:4738808.7/56

Out: 135.399+/-0.016 χ^2/NDF:5615957.4/61

All: 134.597+/-0.011 χ^2/NDF: 10359947.2/11



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: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

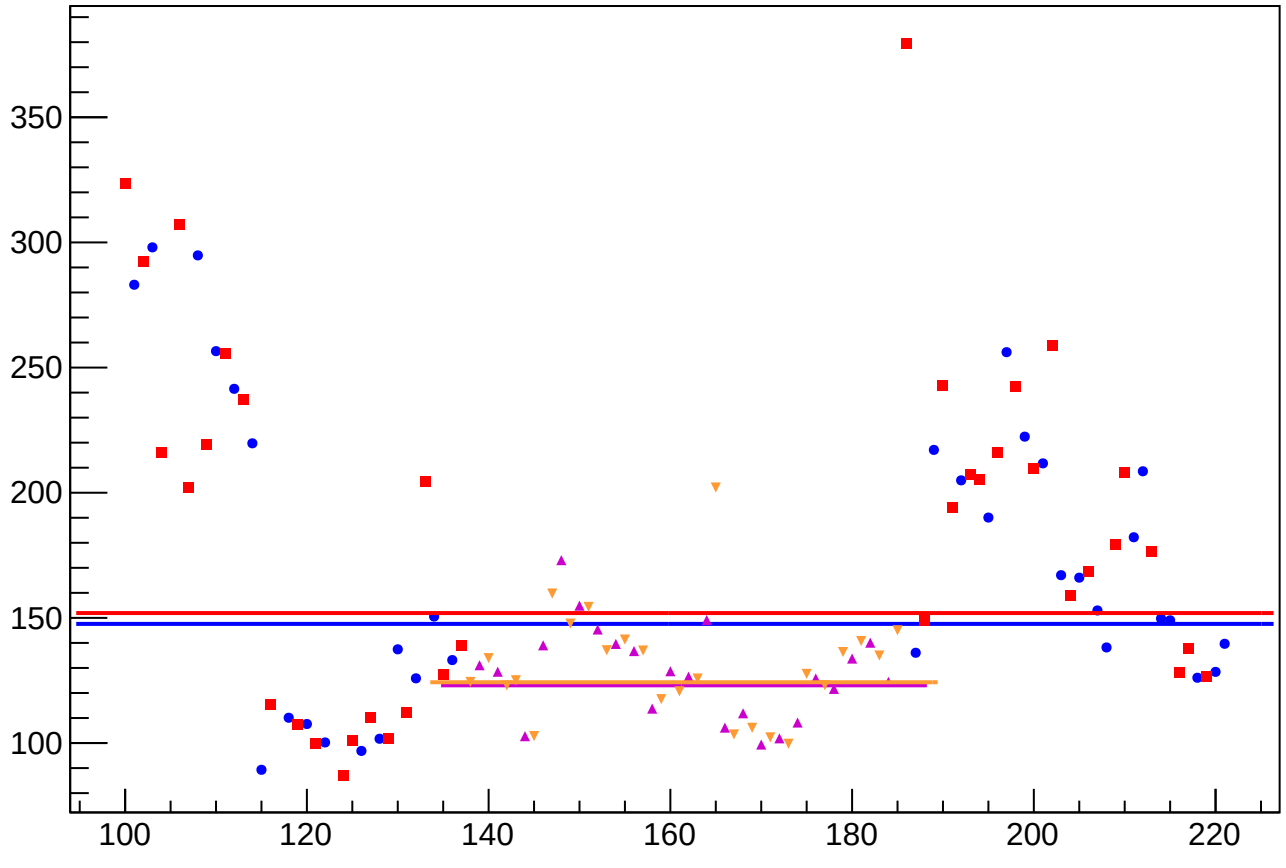
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.038+/-0.024 χ^2/NDF: 96.2/70

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.008+/-0.016 χ^2/NDF: 151.2/118



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: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

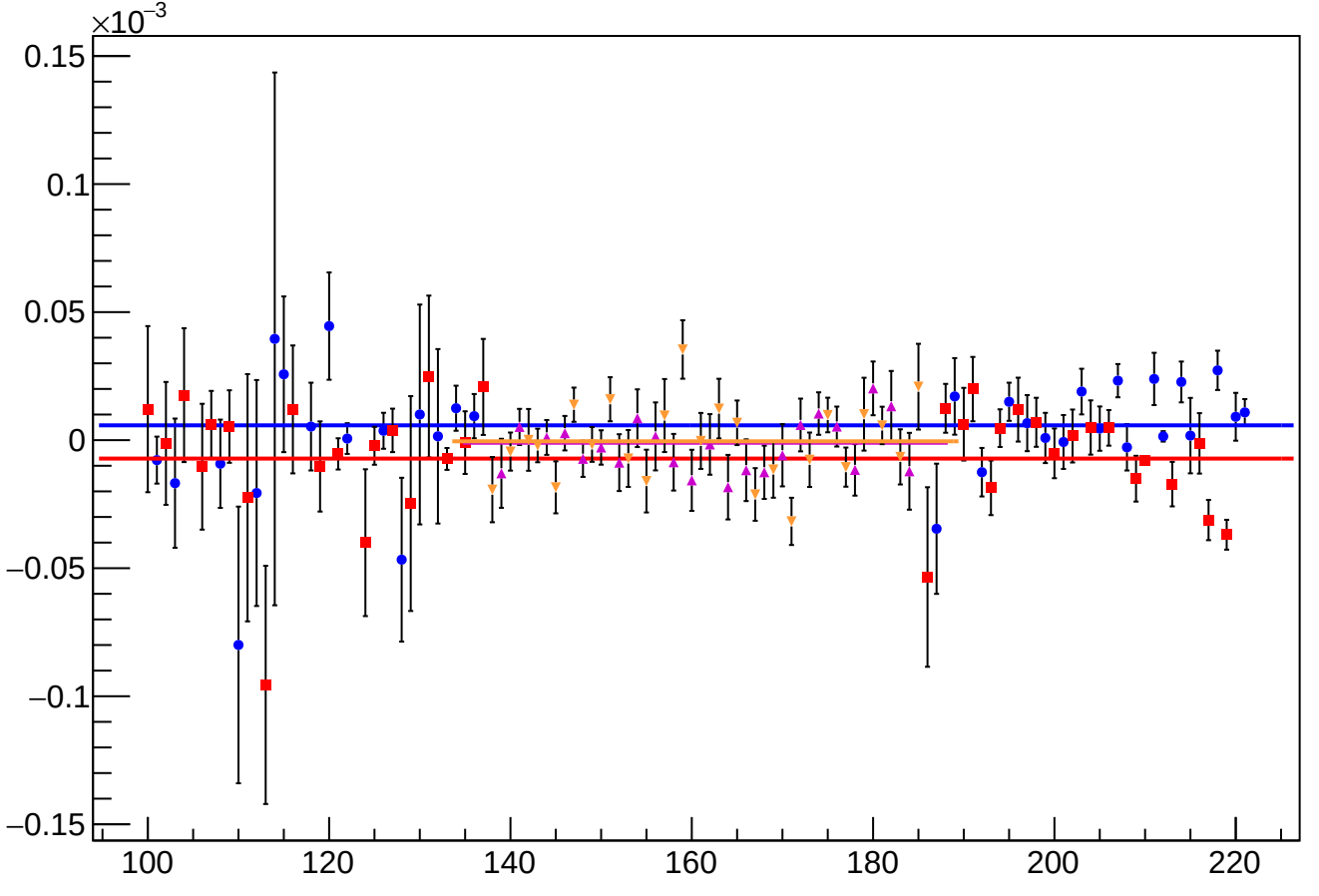
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.655+/-0.017 χ^2/NDF: 7451493.6/70

In: 133.809+/-0.016 χ^2/NDF:4738808.7/56

Out: 135.399+/-0.016 χ^2/NDF:5615957.4/61

All: 134.597+/-0.011 χ^2/NDF: 10359947.2/11



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: 77.6/36

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

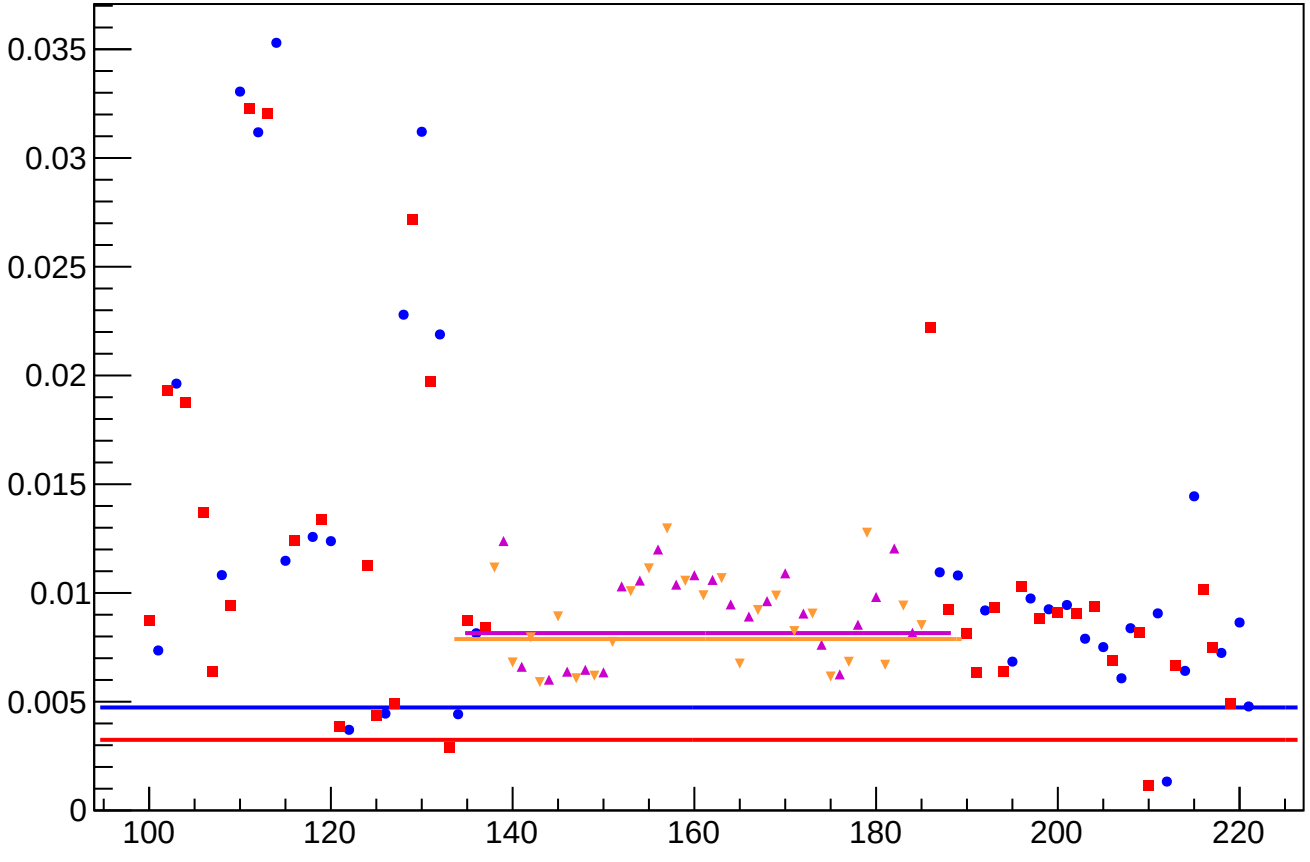
Right: -0.000+/-0.000 χ^2/NDF: 191.5/70

In: 0.000+/-0.000 χ^2/NDF:83.3/56

Out: -0.000+/-0.000 χ^2/NDF:140.1/61

All: -0.000+/-0.000 χ^2/NDF: 264.9/118

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 20964546.1/36

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

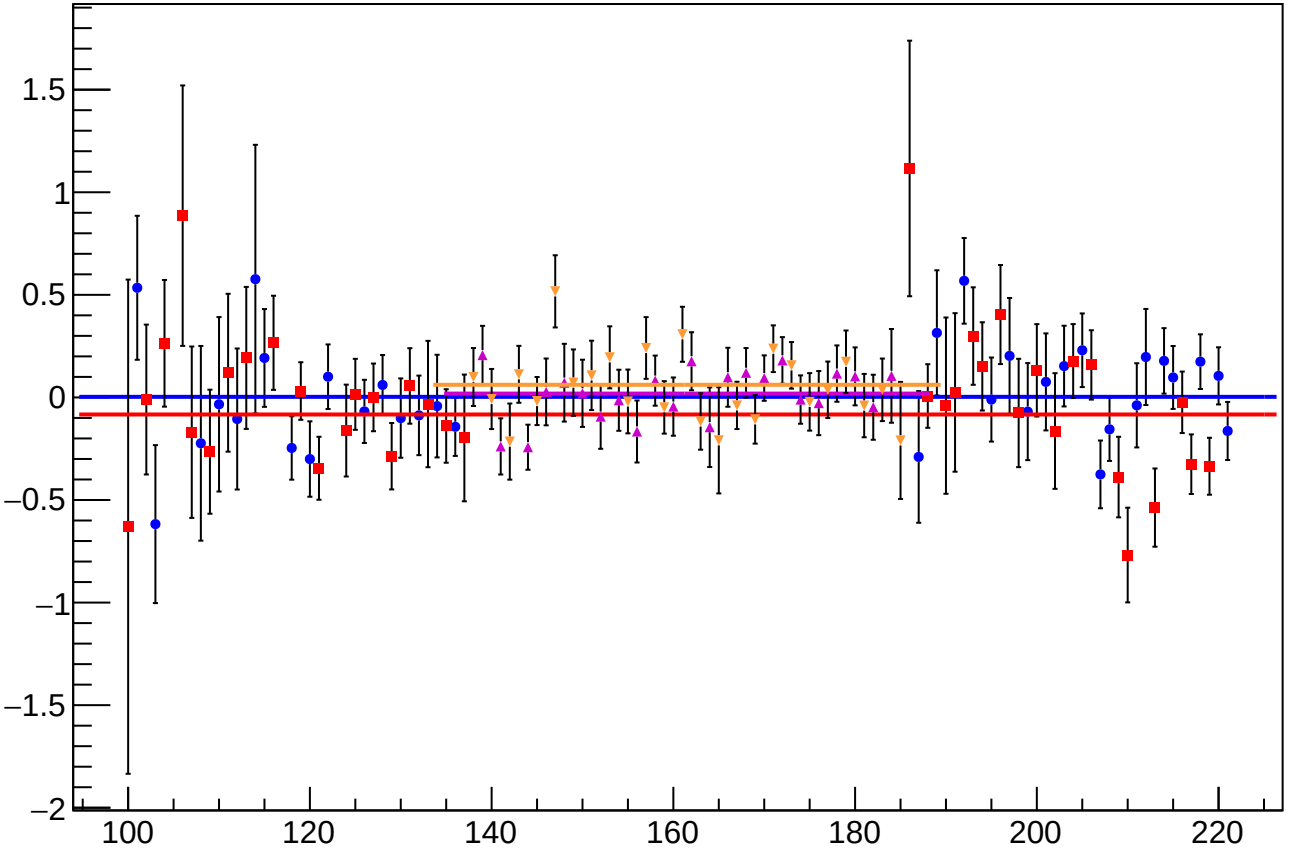
Right: 0.004+/-0.000 χ^2/NDF: 38739857.2/70

In: 0.006+/-0.000 χ^2/NDF:22343575.7/56

Out: 0.004+/-0.000 χ^2/NDF:32527990.6/61

All: 0.005+/-0.000 χ^2/NDF: 56874552.0/118

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

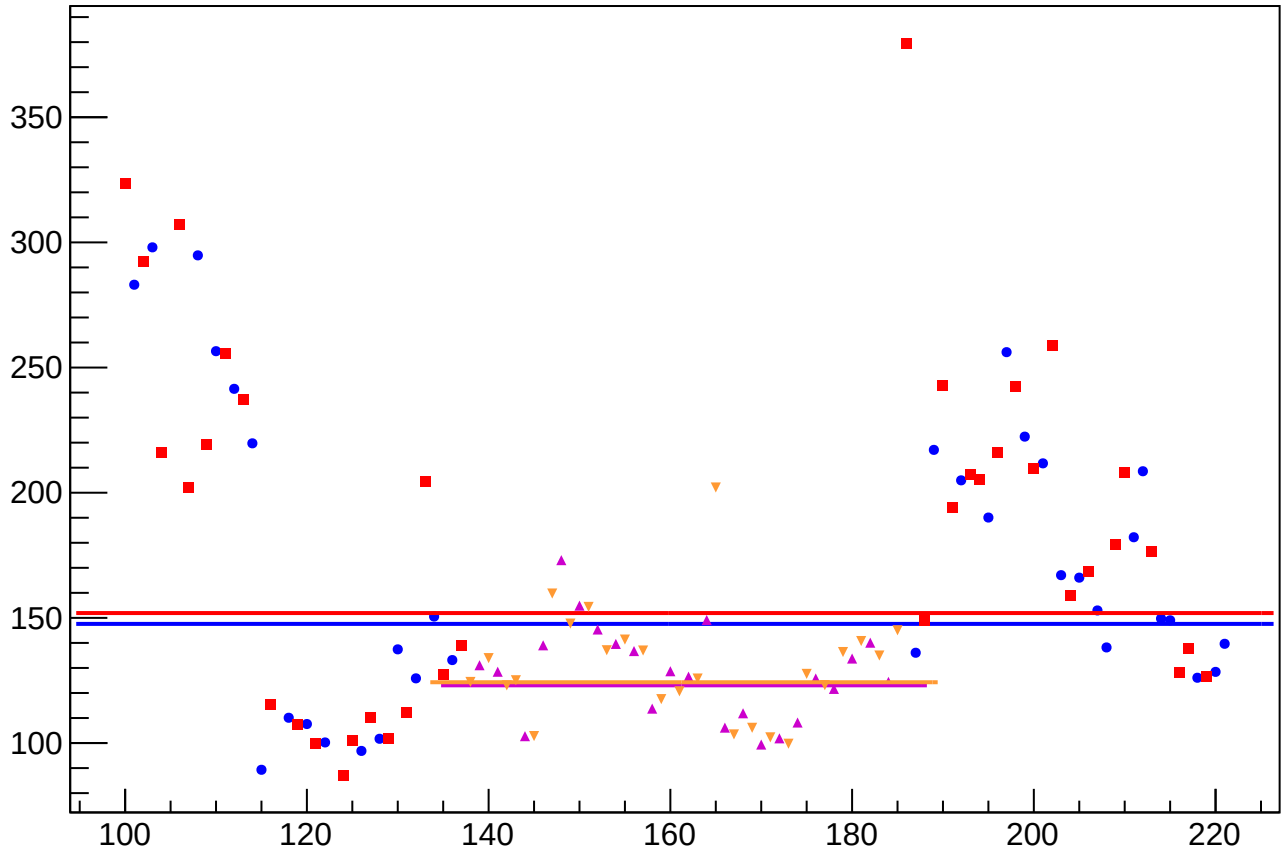
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.038+/-0.024 χ^2/NDF: 96.2/70

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.008+/-0.016 χ^2/NDF: 151.2/118



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: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

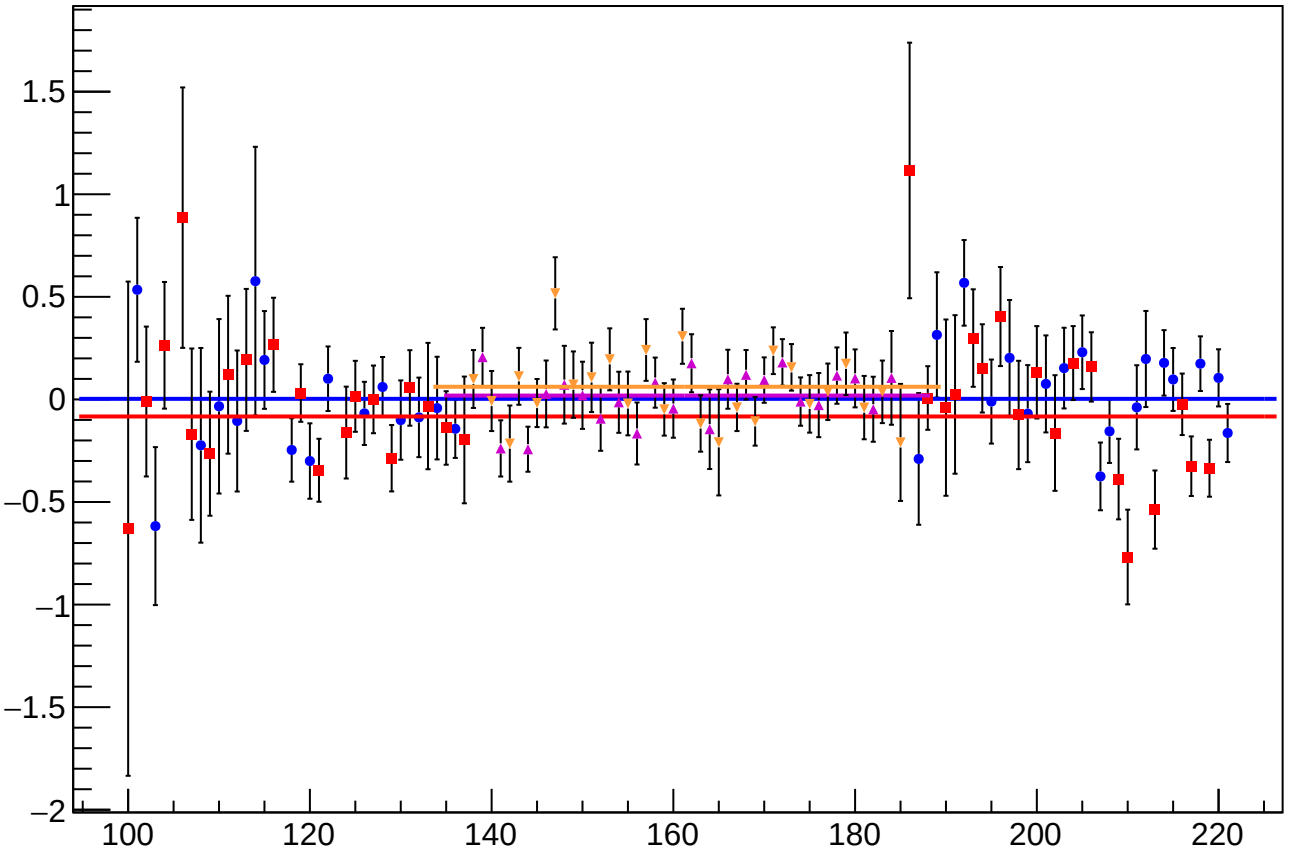
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 149.653+/-0.017 χ^2/NDF: 7451704.4/70

In: 133.809+/-0.016 χ^2/NDF:4738830.6/56

Out: 135.398+/-0.016 χ^2/NDF:5616041.0/61

All: 134.596+/-0.011 χ^2/NDF: 10360053.8/11



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: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

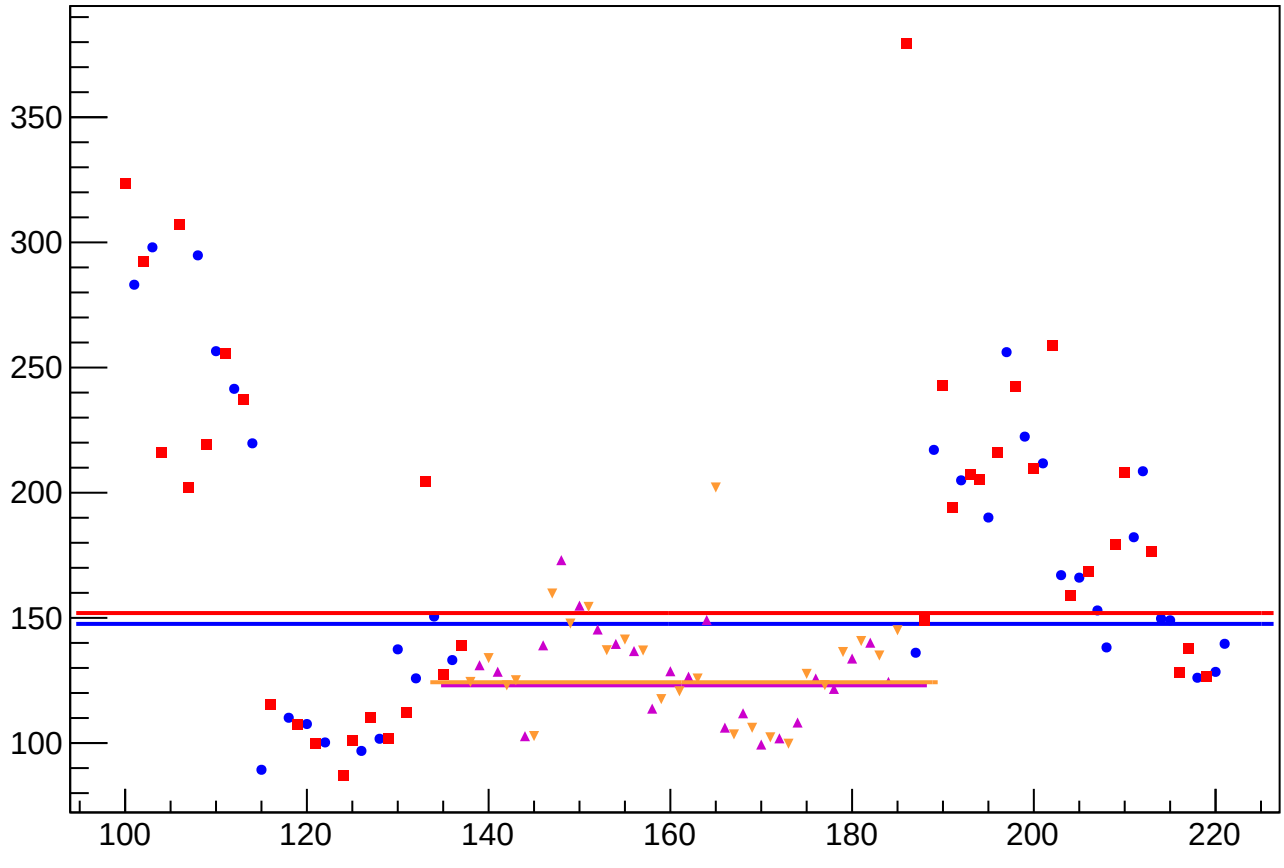
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.038+/-0.024 χ^2/NDF: 96.2/70

In: 0.012+/-0.022 χ^2/NDF:59.0/56

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.008+/-0.016 χ^2/NDF: 151.2/118



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: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

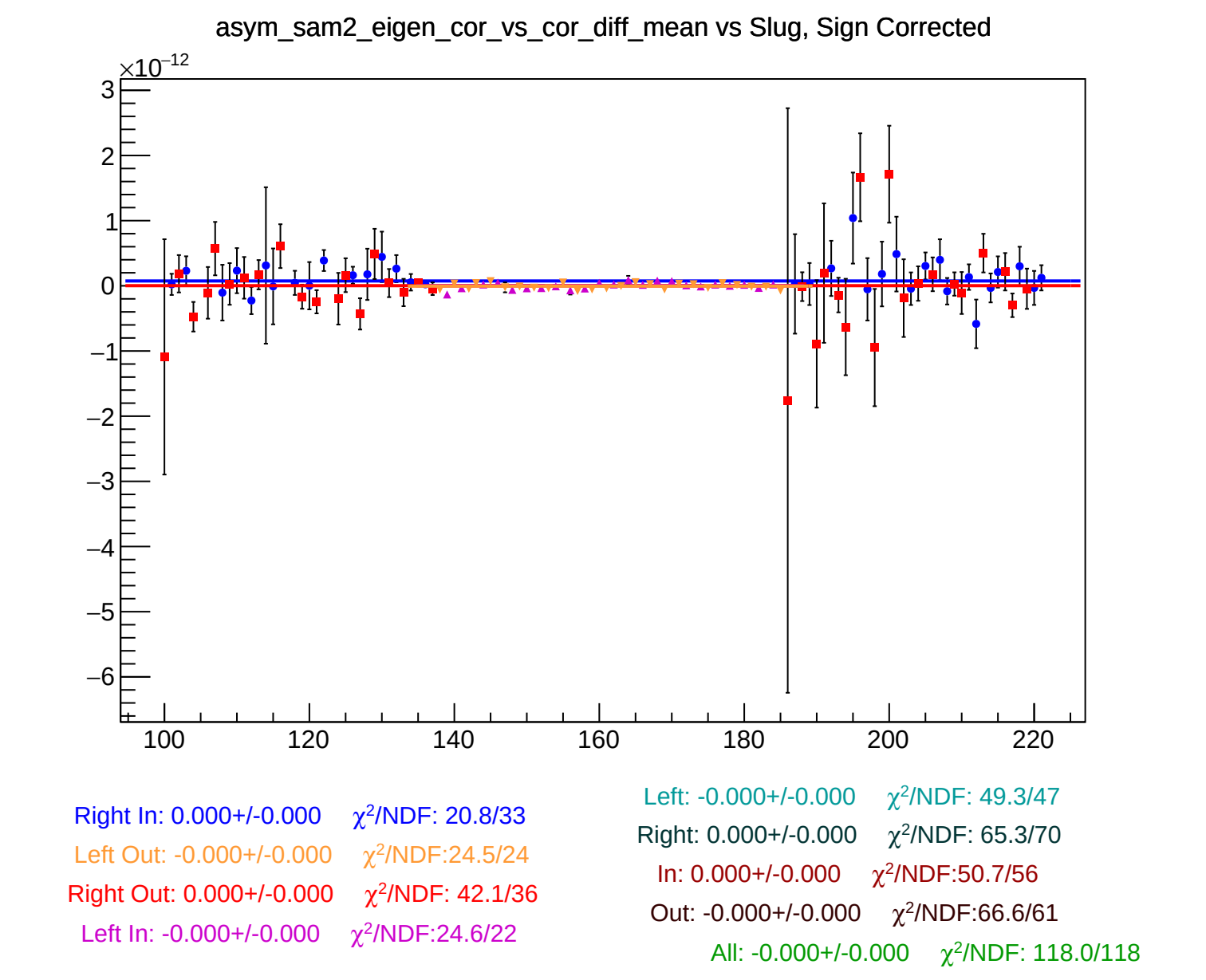
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 149.653+/-0.017 χ^2/NDF: 7451704.4/70

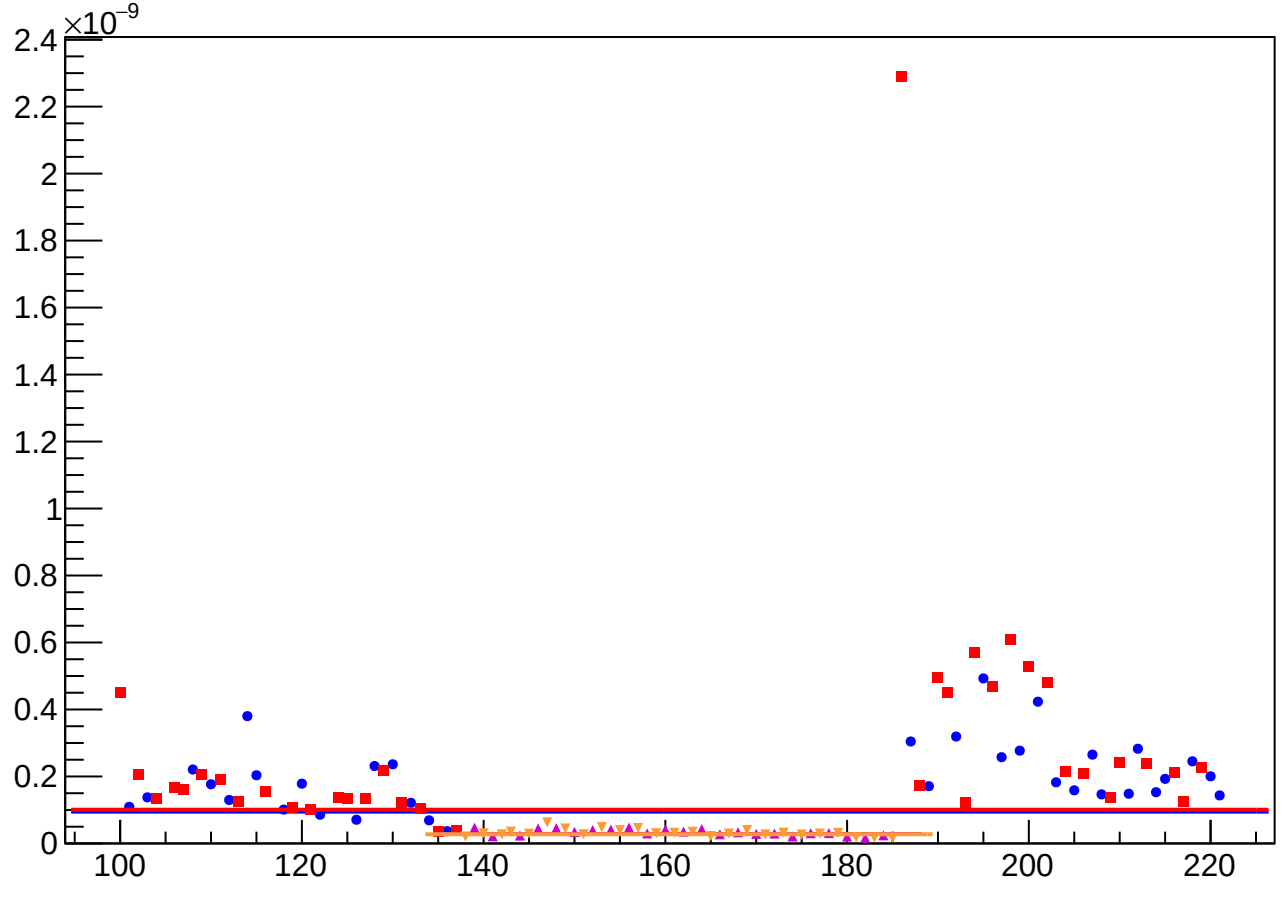
In: 133.809+/-0.016 χ^2/NDF:4738830.6/56

Out: 135.398+/-0.016 χ^2/NDF:5616041.0/61

All: 134.596+/-0.011 χ^2/NDF: 10360053.8/11


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: 42.1/36
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: 65.3/70
In: 0.000+/-0.000 χ²/NDF:50.7/56
Out: -0.000+/-0.000 χ²/NDF:66.6/61
All: -0.000+/-0.000 χ²/NDF: 118.0/118

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 11641702.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

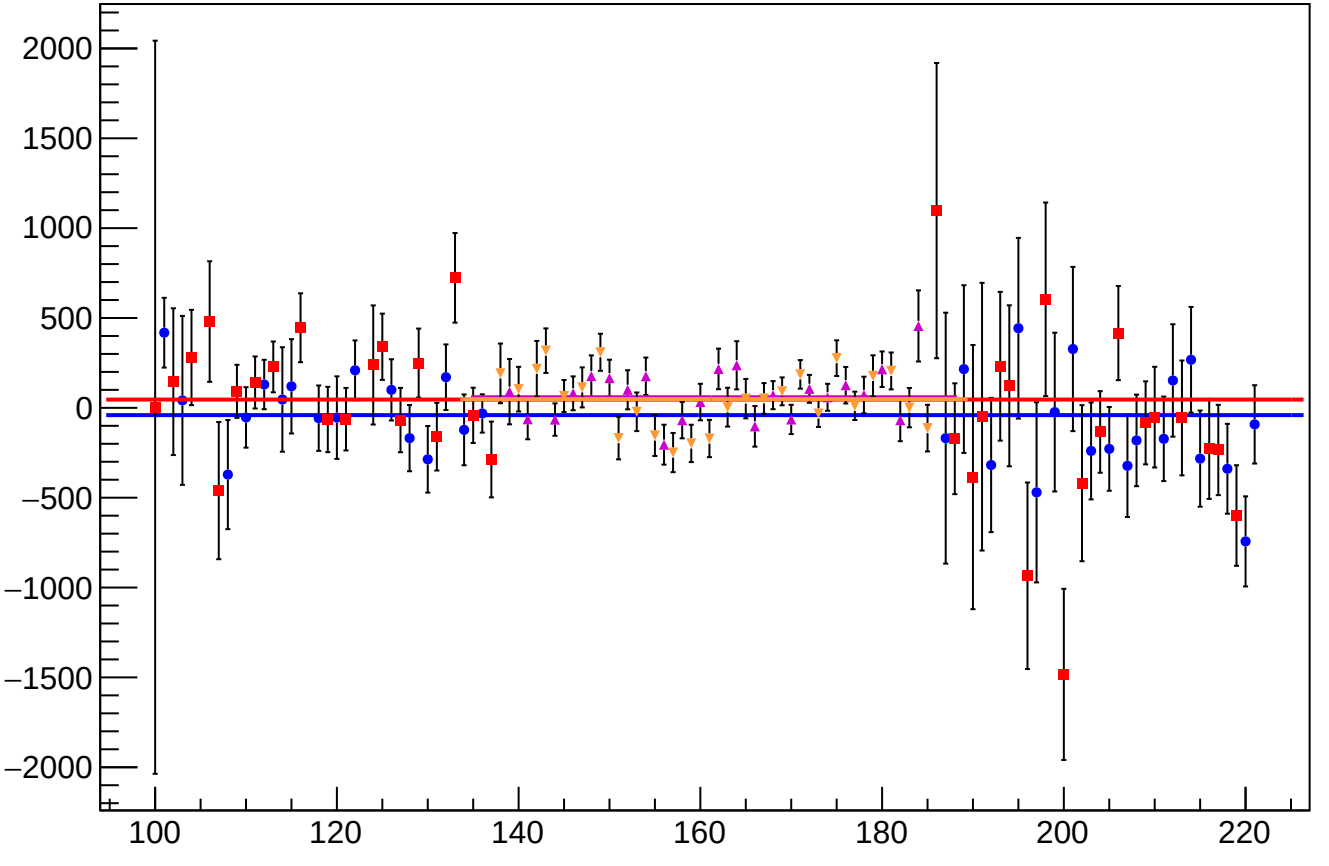
Right: 0.000+/-0.000 χ^2/NDF: 21901851.4/70

In: 0.000+/-0.000 χ^2/NDF:20728826.4/56

Out: 0.000+/-0.000 χ^2/NDF:22468578.2/61

All: 0.000+/-0.000 χ^2/NDF: 43229960.8/118

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: 46.056+/-39.641 χ^2/NDF: 56.9/36

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

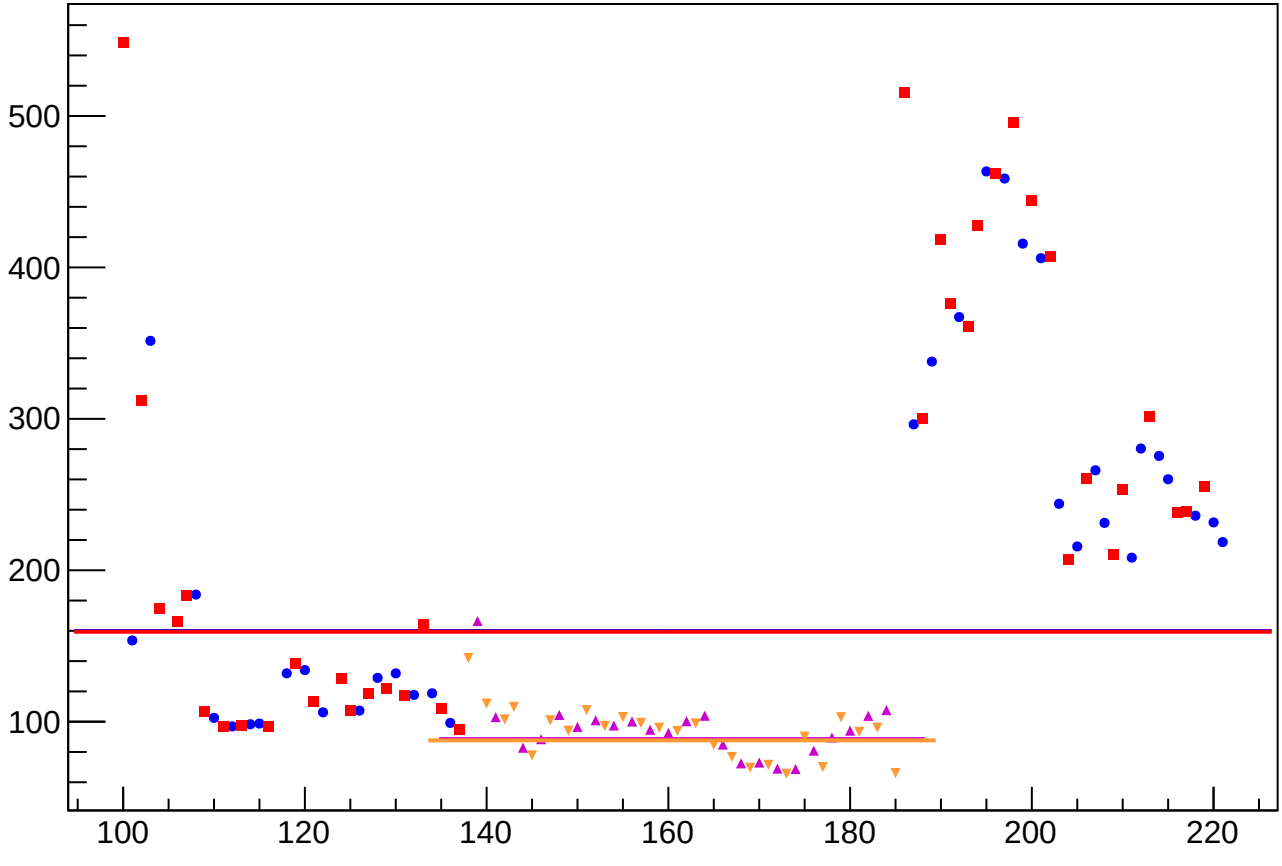
Right: 1.414+/-27.593 χ^2/NDF: 92.5/70

In: 35.860+/-18.533 χ^2/NDF:68.9/56

Out: 47.902+/-18.155 χ^2/NDF:110.5/61

All: 42.005+/-12.969 χ^2/NDF: 179.6/118

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: 159.413+/-0.028 χ^2/NDF: 9546321.5/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

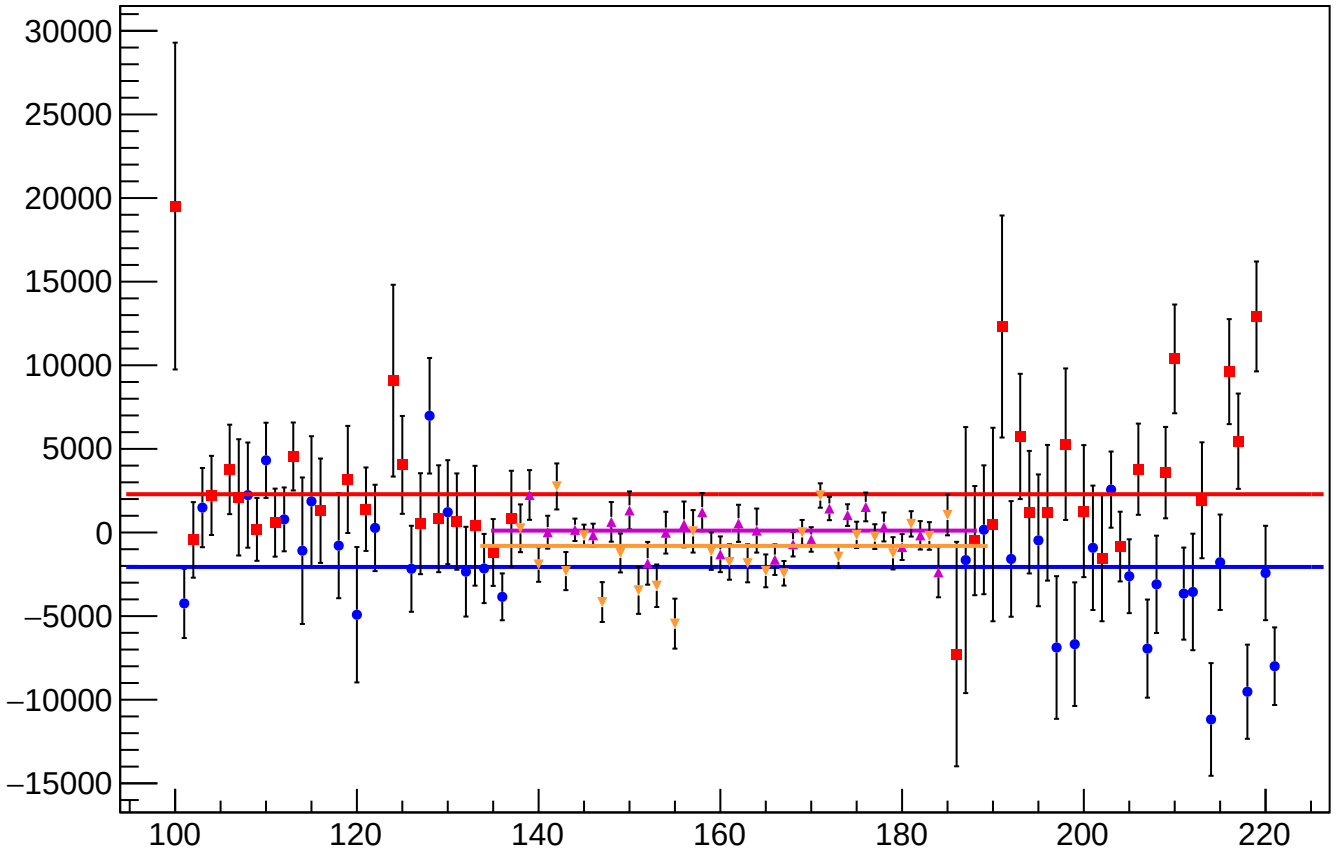
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 159.649+/-0.020 χ^2/NDF: 18043702.4/70

In: 105.084+/-0.013 χ^2/NDF:14868957.4/56

Out: 102.707+/-0.013 χ^2/NDF:15938562.4/61

All: 103.871+/-0.009 χ^2/NDF: 30824308.4/1



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: 2290.275+/-487.243 χ^2/NDF: 48.4/36

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

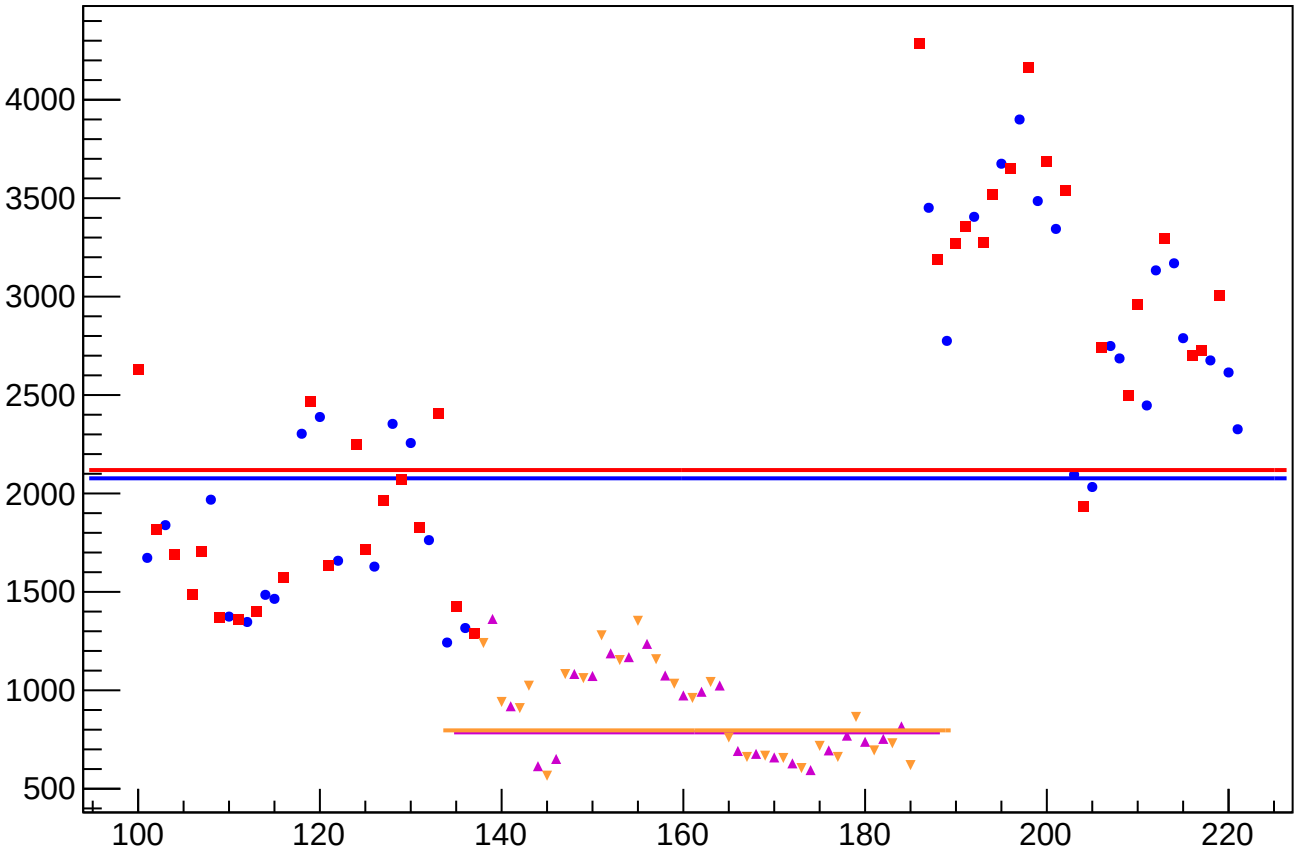
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 28.426+/-337.607 χ^2/NDF: 149.4/70

In: -195.459+/-176.271 χ^2/NDF:105.1/56

Out: -401.769+/-175.198 χ^2/NDF:155.4/61

All: -299.244+/-124.261 χ^2/NDF: 261.2/118



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: 2118.906+/-0.345 χ^2/NDF: 4918095.6/36

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

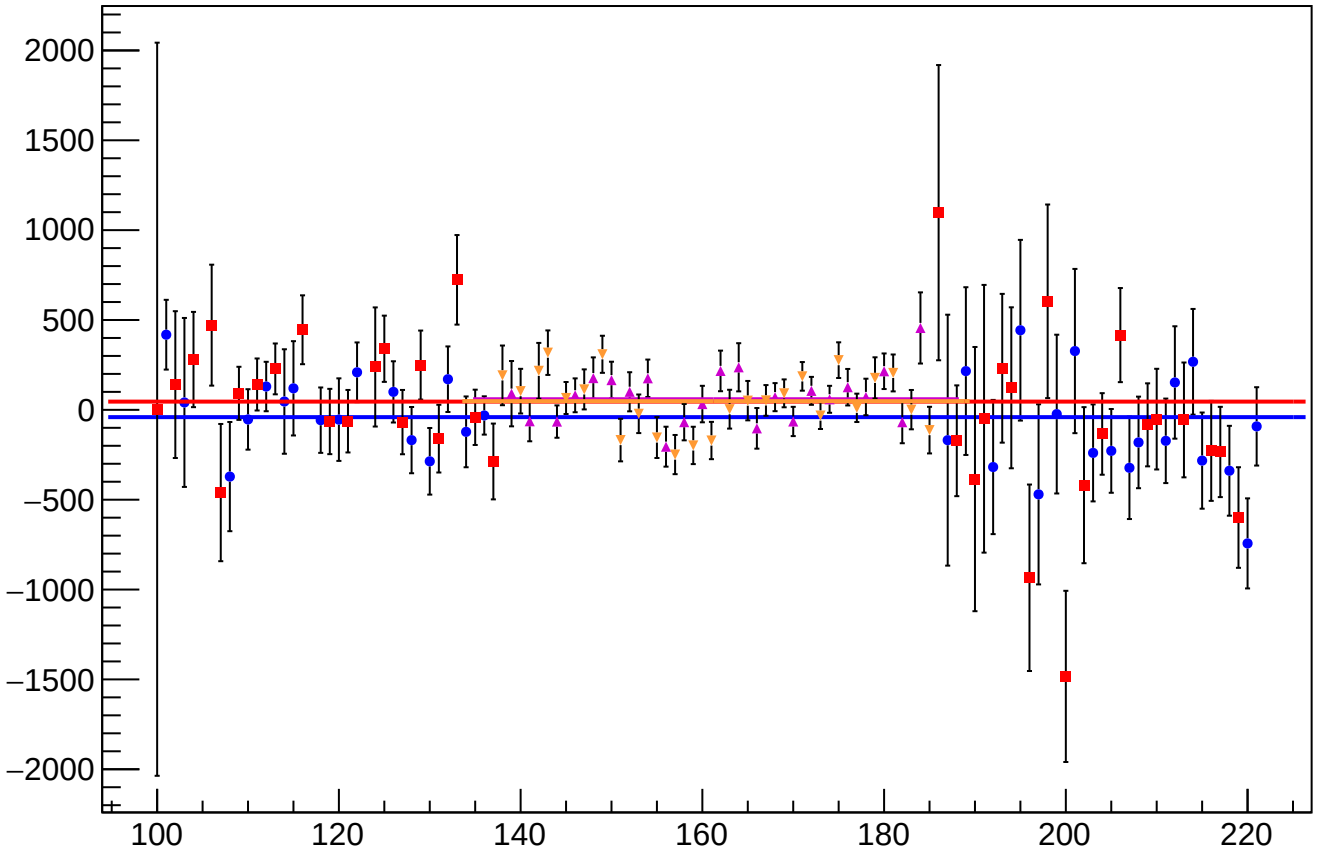
Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

Right: 2097.078+/-0.239 χ^2/NDF: 9266755.4/70

In: 969.250+/-0.125 χ^2/NDF:19538958.4/56

Out: 967.495+/-0.124 χ^2/NDF:20163007.8/61

All: 968.367+/-0.088 χ^2/NDF: 39702065.9/1



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: 45.841+/-39.643 χ^2/NDF: 56.8/36

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

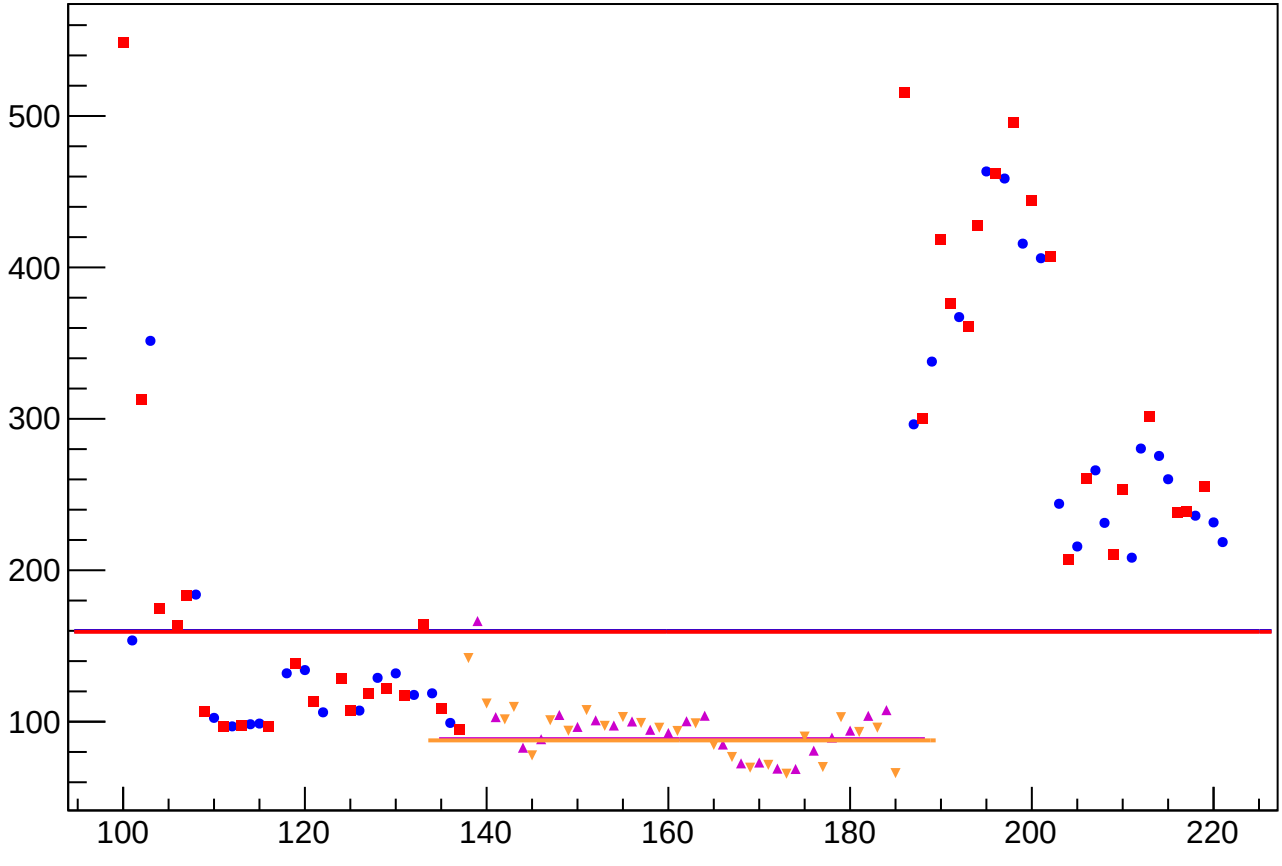
Right: 1.302+/-27.593 χ^2/NDF: 92.4/70

In: 35.859+/-18.533 χ^2/NDF:68.9/56

Out: 47.863+/-18.155 χ^2/NDF:110.4/61

All: 41.985+/-12.969 χ^2/NDF: 179.5/118

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: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

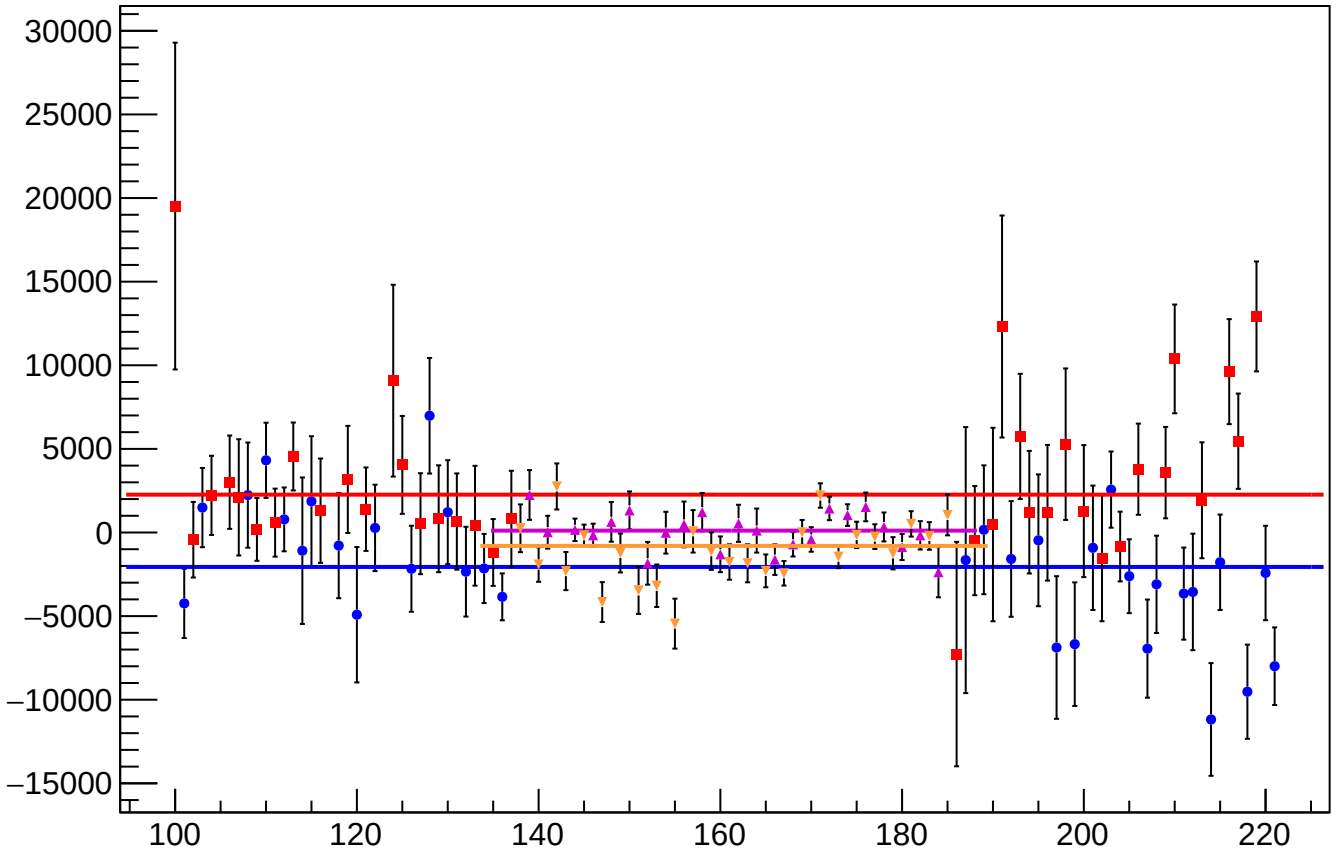
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 159.632+/-0.020 χ^2/NDF: 18043399.3/70

In: 105.085+/-0.013 χ^2/NDF:14868959.2/56

Out: 102.699+/-0.013 χ^2/NDF:15932826.6/61

All: 103.867+/-0.009 χ^2/NDF: 30818693.7/1



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: 2263.820+/-487.918 χ^2/NDF: 48.1/36

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

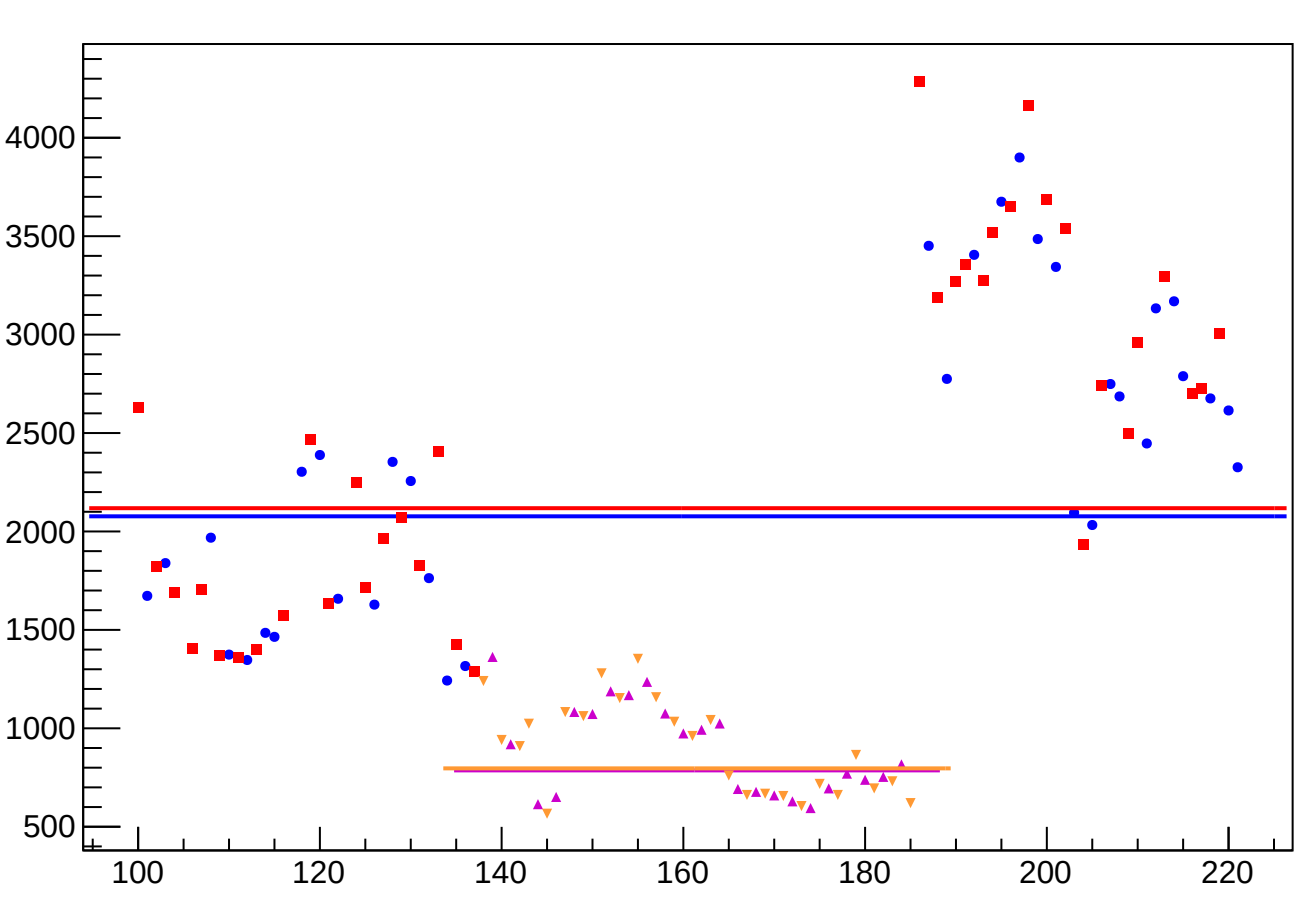
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 12.746+/-337.832 χ^2/NDF: 148.6/70

In: -195.456+/-176.271 χ^2/NDF:105.1/56

Out: -406.137+/-175.229 χ^2/NDF:154.4/61

All: -301.421+/-124.272 χ^2/NDF: 260.3/118



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: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

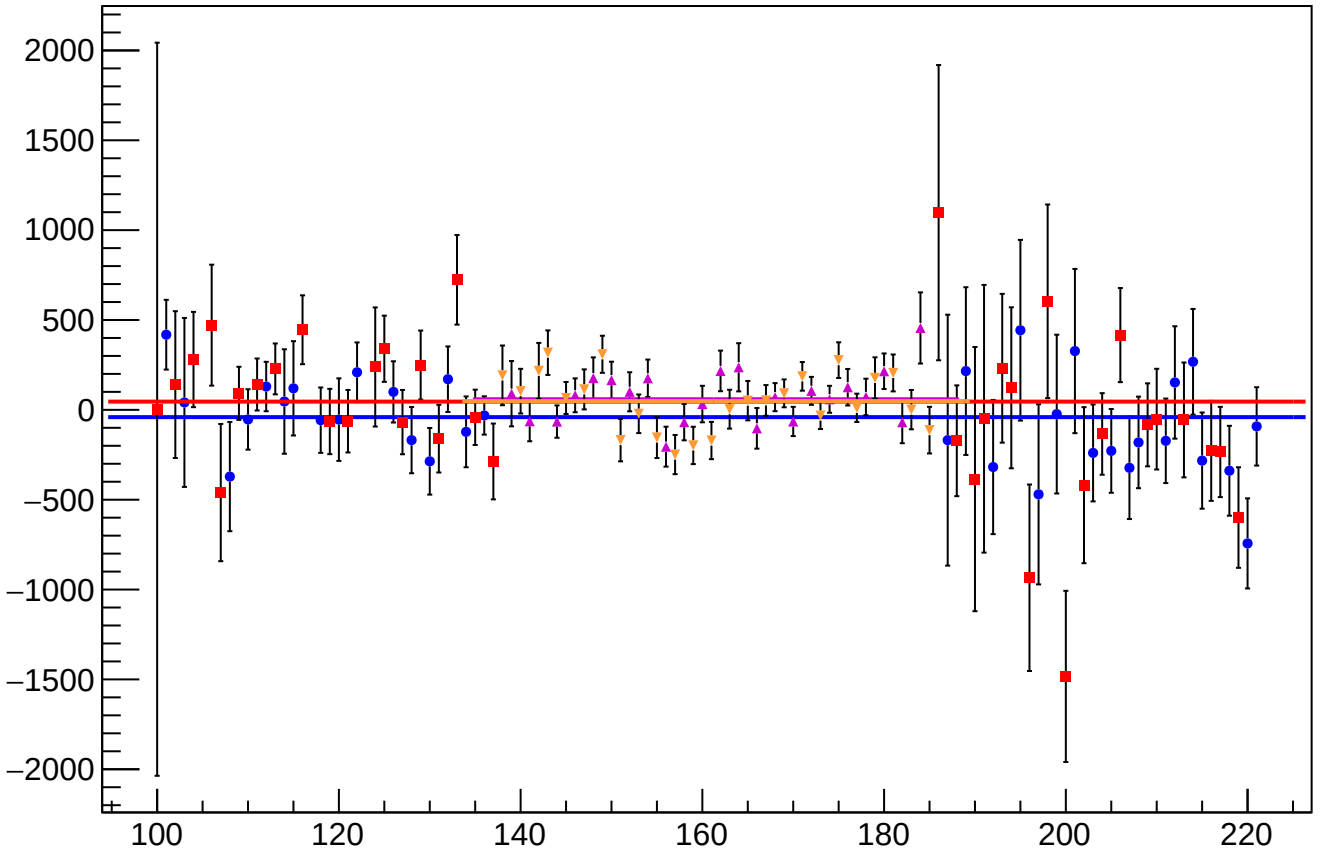
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2096.726+/-0.239 χ^2/NDF: 9285015.2/70

In: 969.250+/-0.125 χ^2/NDF:19539017.2/56

Out: 966.995+/-0.124 χ^2/NDF:20137424.2/61

All: 968.116+/-0.088 χ^2/NDF: 39676606.0/11



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: 45.841+/-39.643 χ^2/NDF: 56.8/36

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

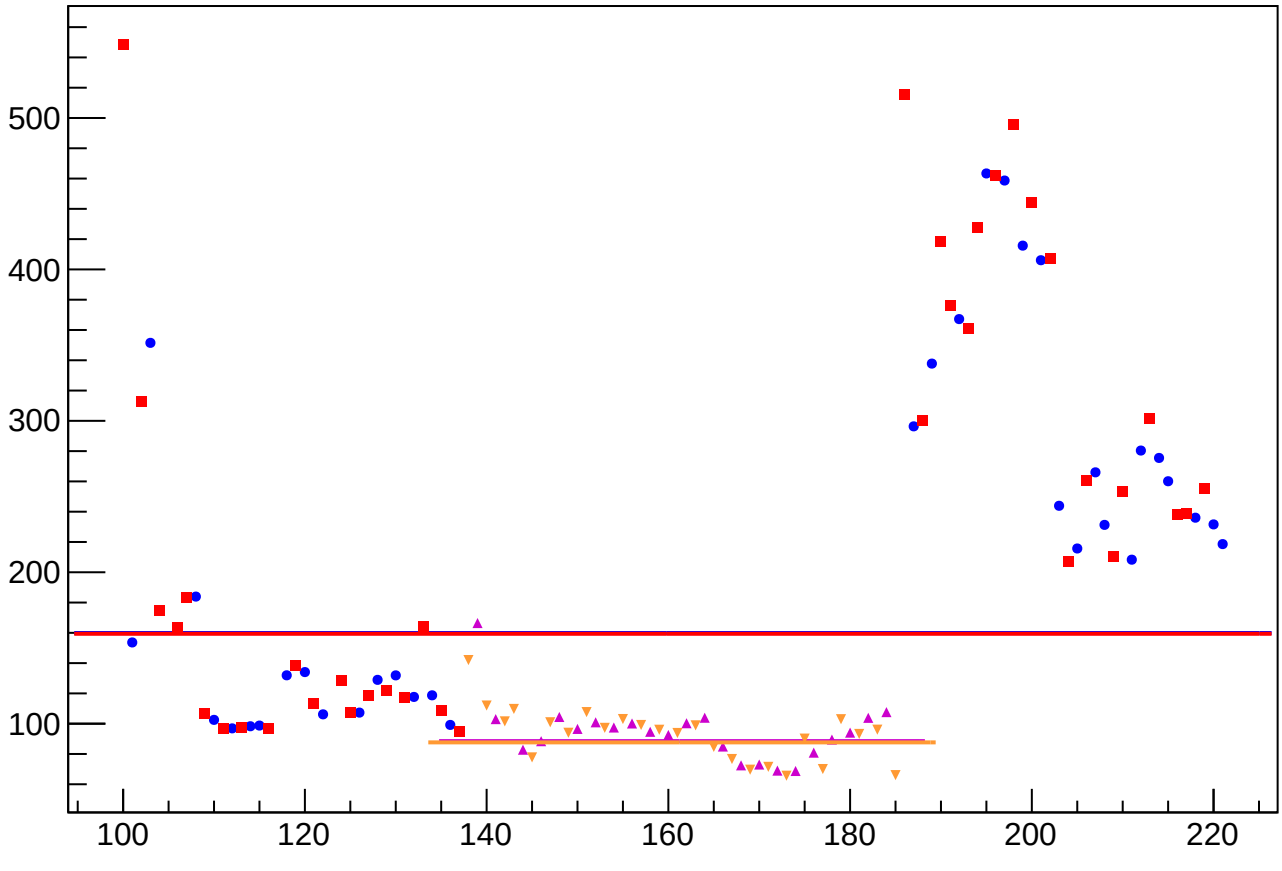
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 1.302+/-27.593 χ^2/NDF: 92.4/70

In: 35.859+/-18.533 χ^2/NDF:68.9/56

Out: 47.863+/-18.155 χ^2/NDF:110.4/61

All: 41.985+/-12.969 χ^2/NDF: 179.5/118



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: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

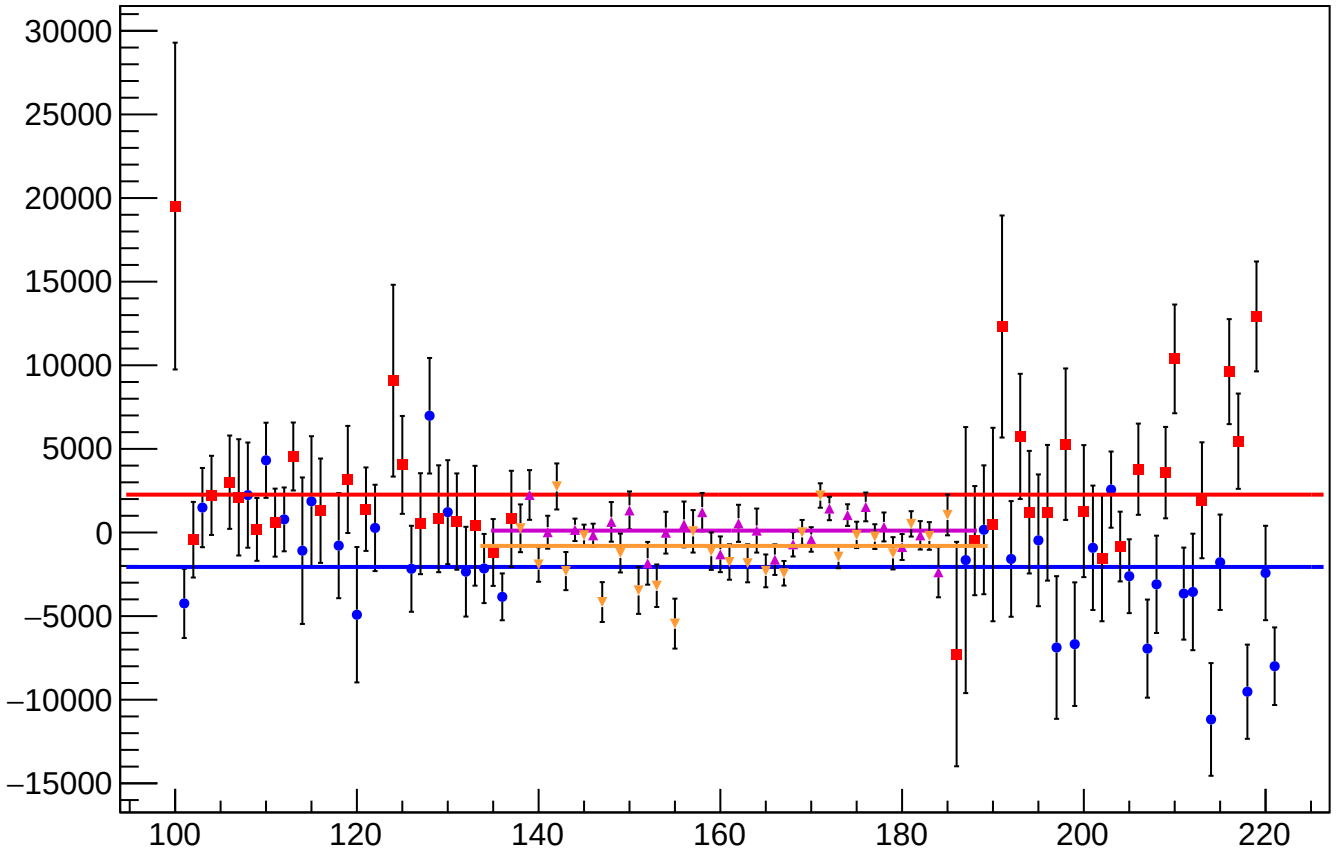
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 159.632+/-0.020 χ^2/NDF: 18043399.3/70

In: 105.085+/-0.013 χ^2/NDF:14868959.2/56

Out: 102.699+/-0.013 χ^2/NDF:15932826.6/61

All: 103.867+/-0.009 χ^2/NDF: 30818693.7/1



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: 2263.820+/-487.918 χ^2/NDF: 48.1/36

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

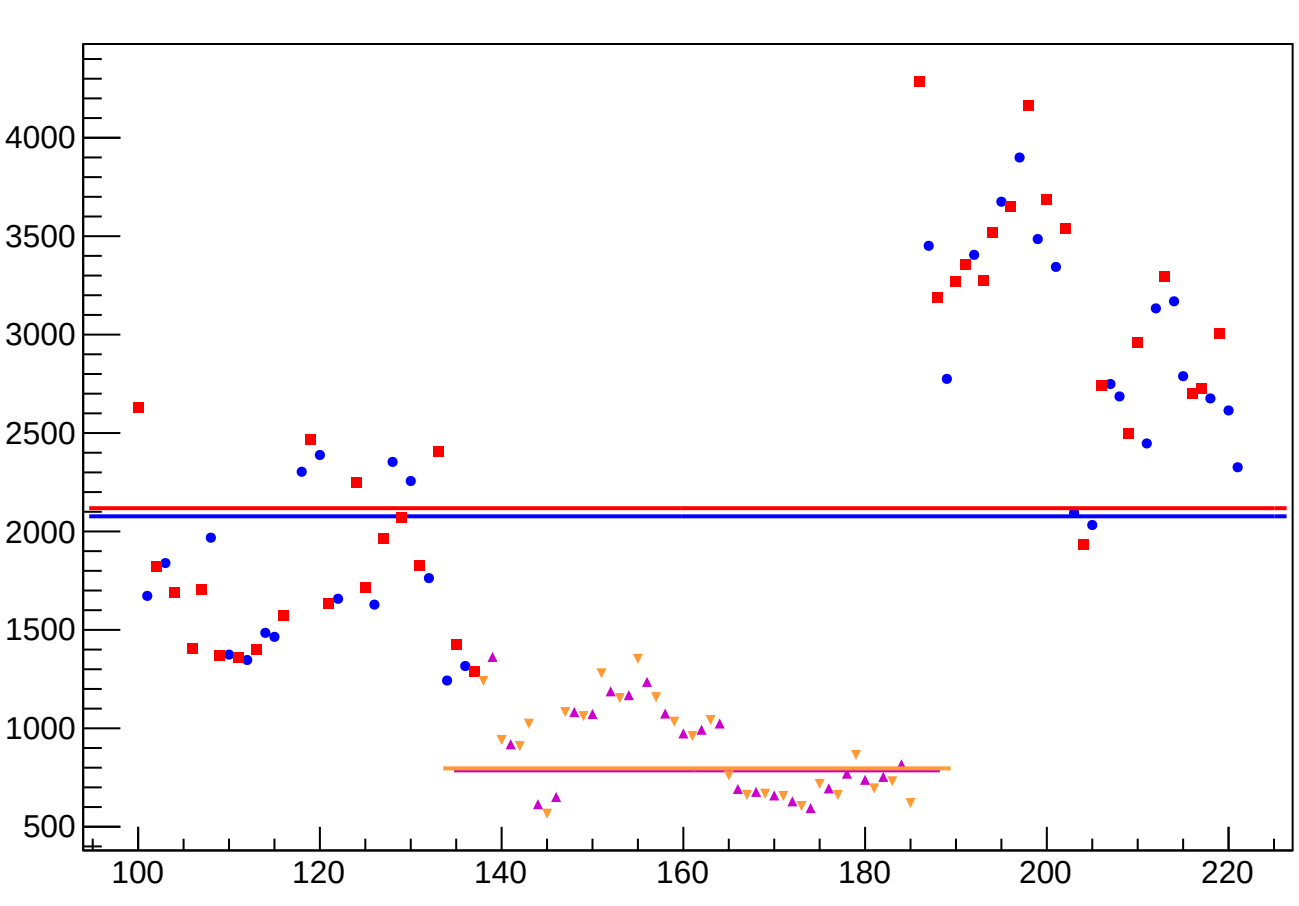
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 12.746+/-337.832 χ^2/NDF: 148.6/70

In: -195.456+/-176.271 χ^2/NDF:105.1/56

Out: -406.137+/-175.229 χ^2/NDF:154.4/61

All: -301.421+/-124.272 χ^2/NDF: 260.3/118



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: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

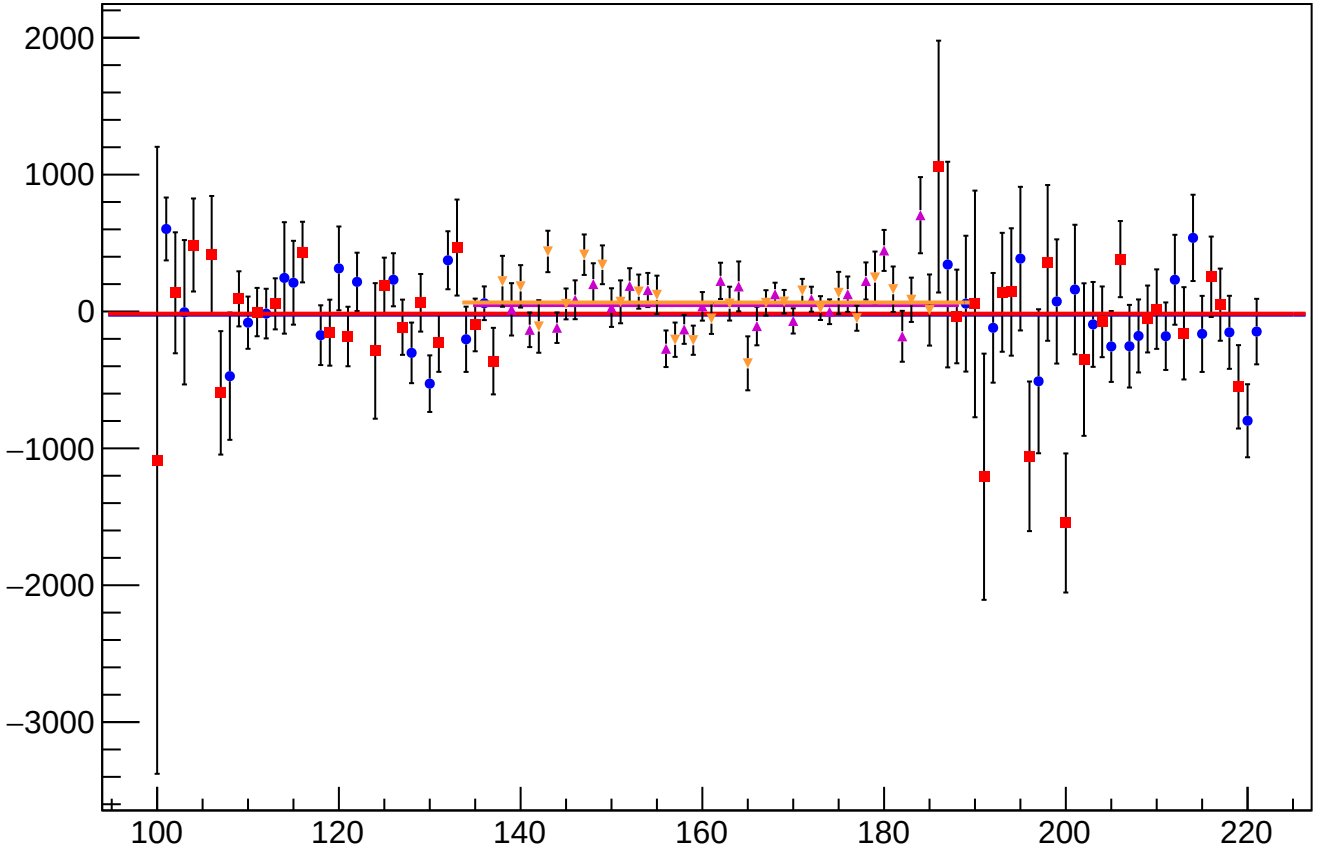
Right: 2096.726+/-0.239 χ^2/NDF: 9285015.2/70

In: 969.250+/-0.125 χ^2/NDF:19539017.2/56

Out: 966.995+/-0.124 χ^2/NDF:20137424.2/61

All: 968.116+/-0.088 χ^2/NDF: 39676606.0/1

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: -23.161+/-44.504 χ^2/NDF: 43.4/33

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -15.945+/-46.840 χ^2/NDF: 40.6/36

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

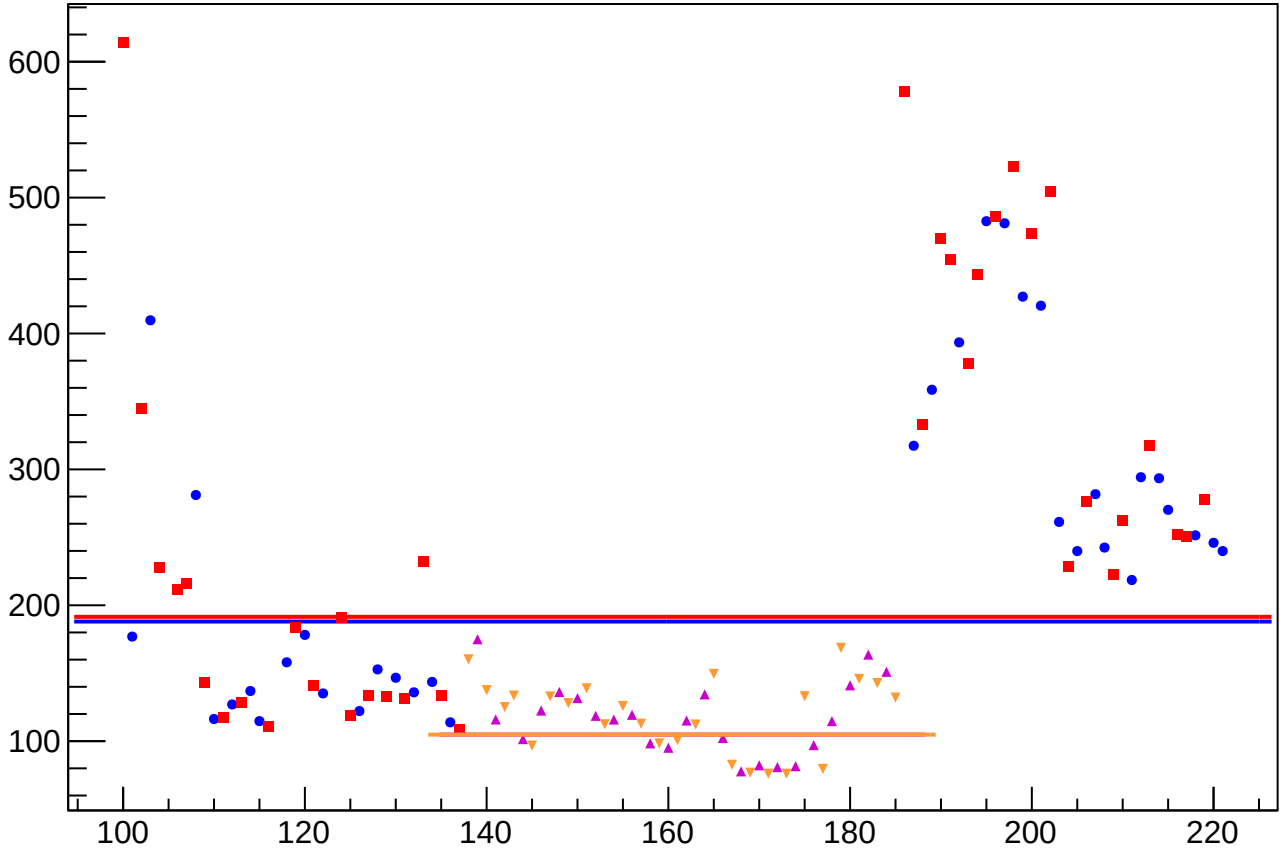
Right: -19.738+/-32.263 χ^2/NDF: 84.0/70

In: 29.487+/-22.253 χ^2/NDF:83.9/56

Out: 47.533+/-22.096 χ^2/NDF:83.0/61

All: 38.574+/-15.679 χ^2/NDF: 167.2/118

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: 191.501+/-0.033 χ^2/NDF: 8141502.5/36

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

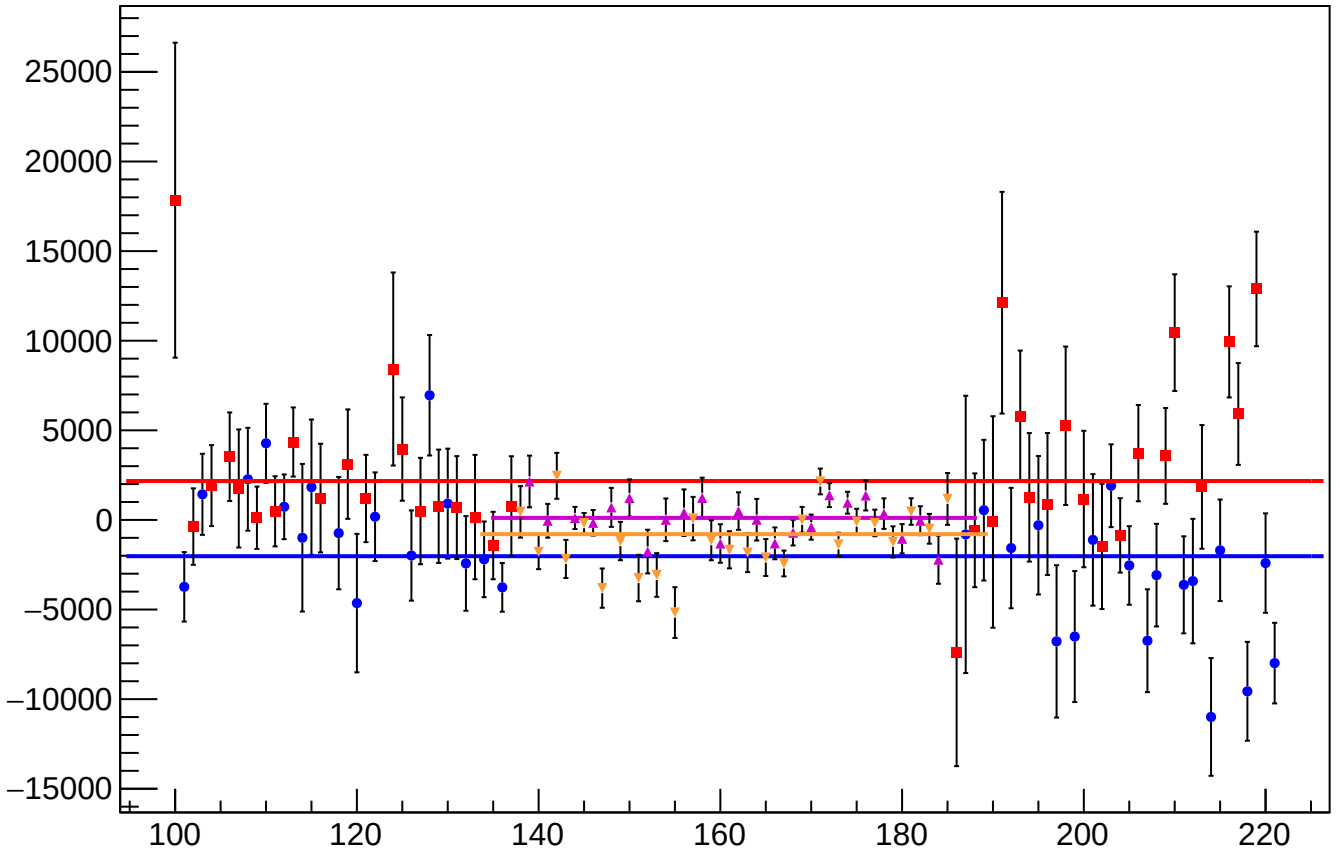
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 189.681+/-0.023 χ^2/NDF: 15199667.0/70

In: 125.638+/-0.016 χ^2/NDF:13909702.4/56

Out: 124.101+/-0.016 χ^2/NDF:15710675.0/61

All: 124.864+/-0.011 χ^2/NDF: 29625177.8/11



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: 2171.305+/-470.088 χ^2/NDF: 52.5/36

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

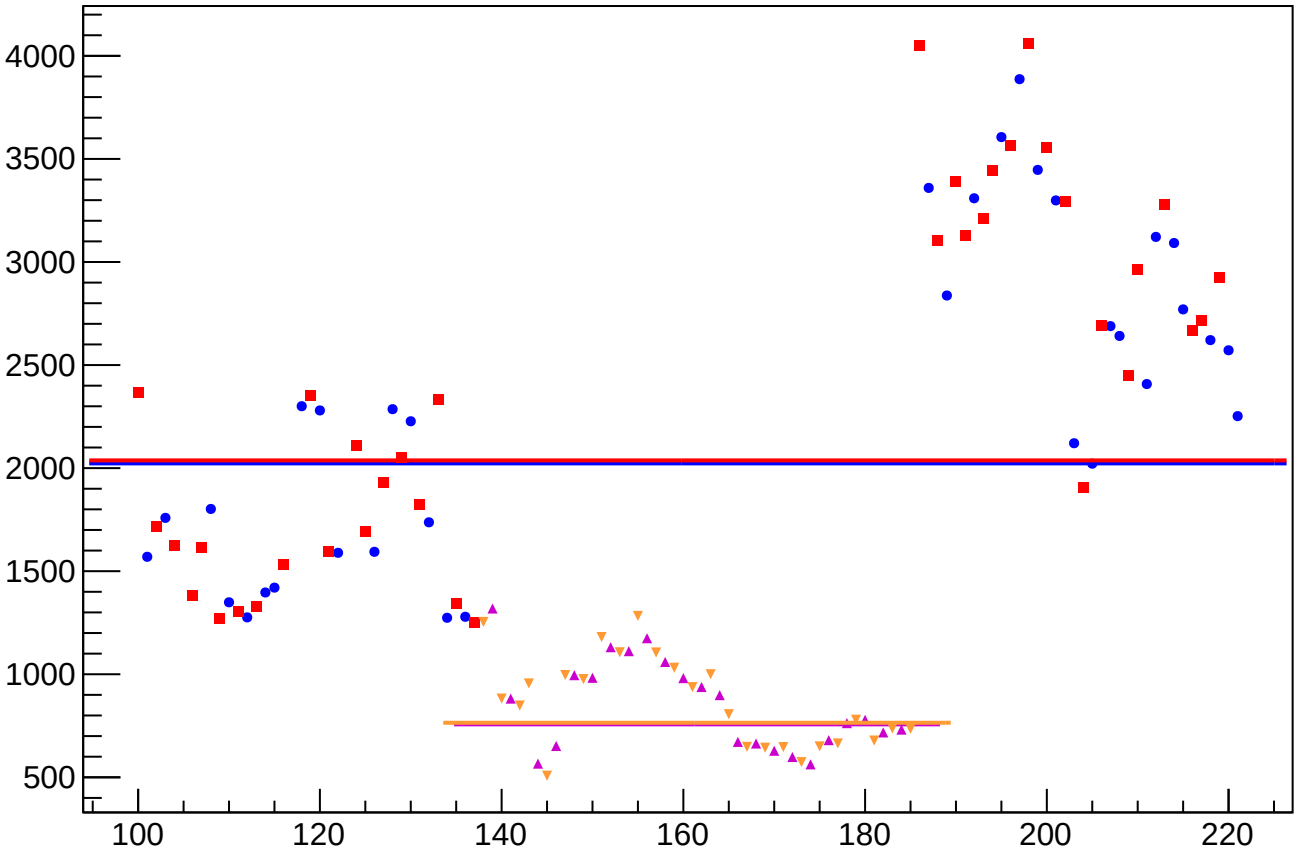
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 13.122+/-327.586 χ^2/NDF: 153.3/70

In: -182.403+/-169.973 χ^2/NDF:105.0/56

Out: -414.396+/-168.014 χ^2/NDF:157.2/61

All: -299.744+/-119.491 χ^2/NDF: 263.2/118



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: 2037.484+/-0.332 χ^2/NDF: 5206312.4/36

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

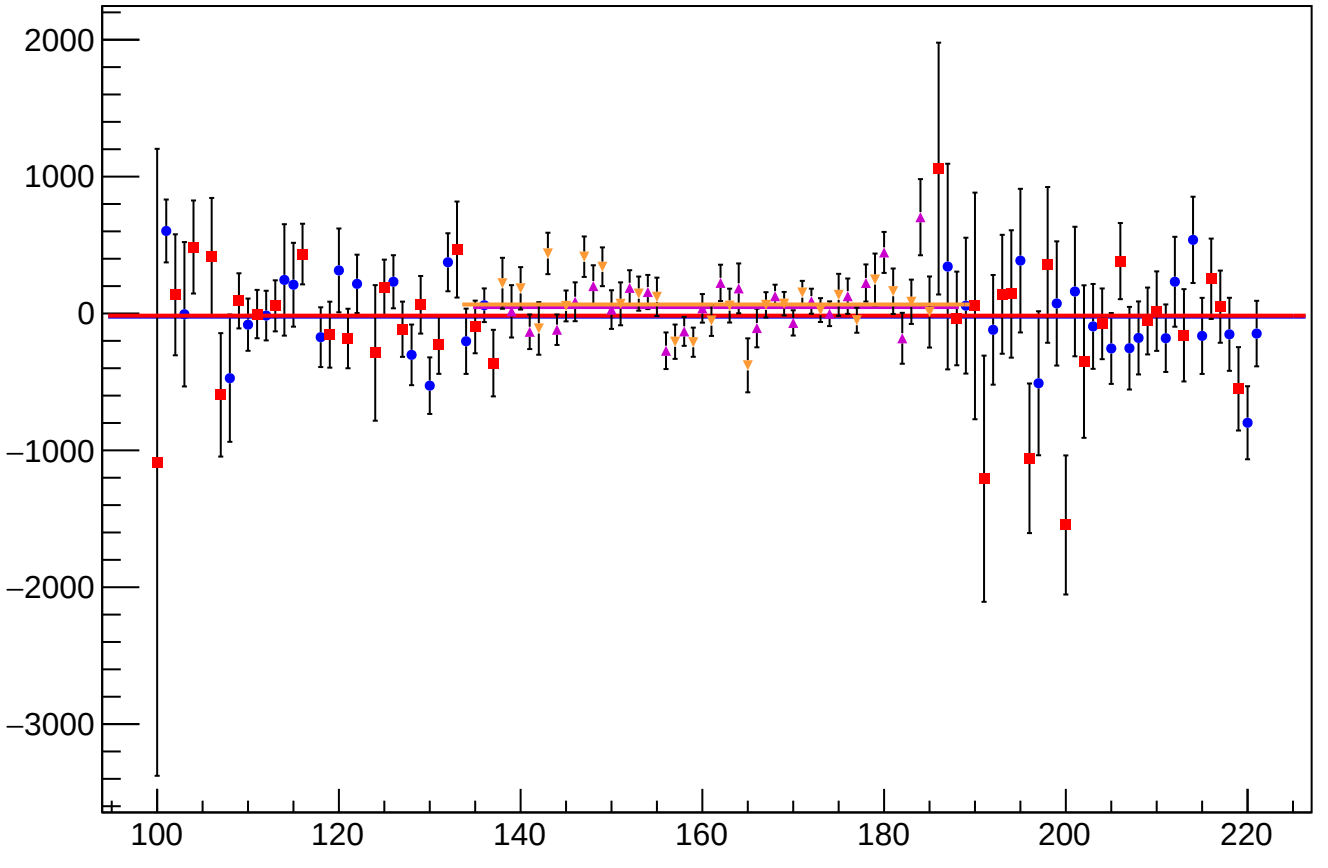
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 2030.034+/-0.232 χ^2/NDF: 9714362.4/70

In: 932.258+/-0.120 χ^2/NDF:19861228.0/56

Out: 927.317+/-0.119 χ^2/NDF:20419878.6/61

All: 929.759+/-0.084 χ^2/NDF: 40281961.4/11



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: -15.950+/-46.840 χ^2/NDF: 40.6/36

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

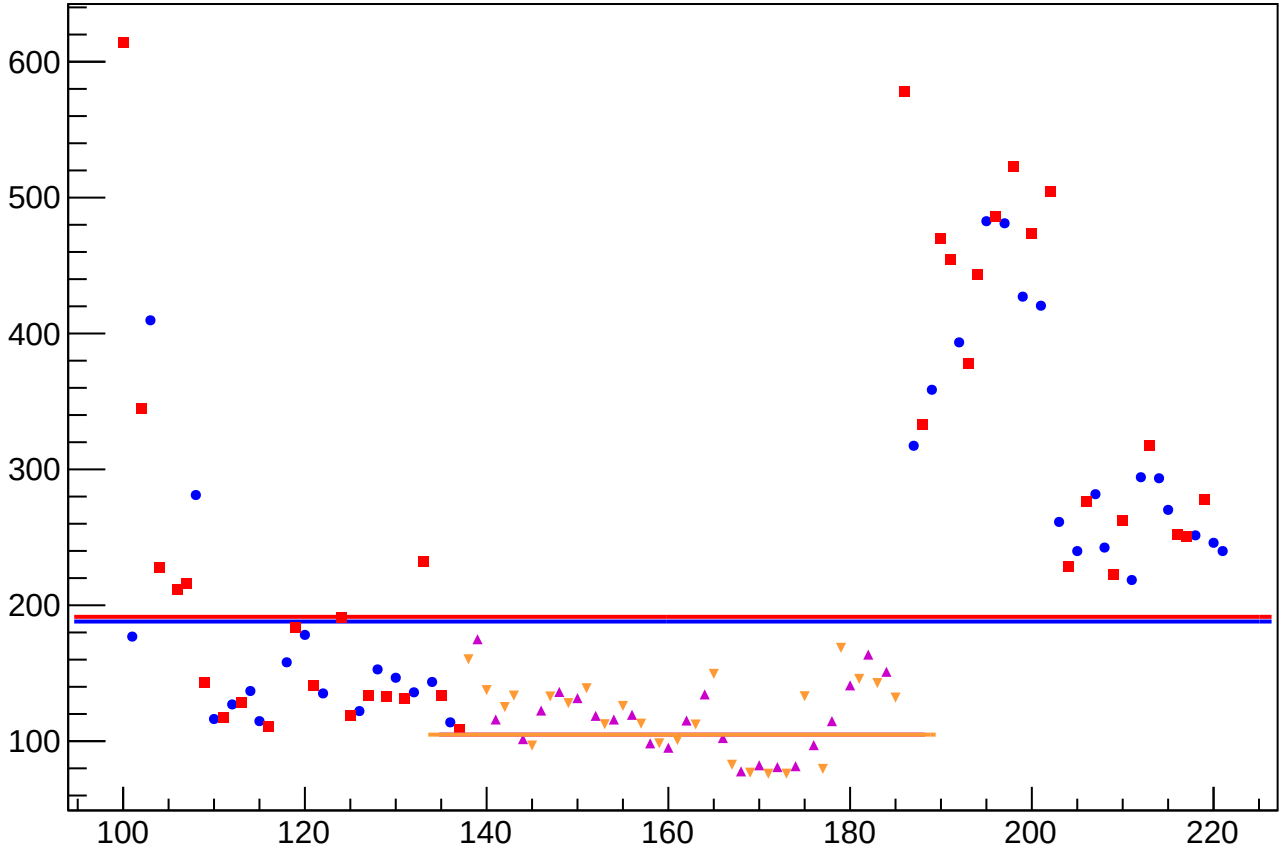
Right: -19.740+/-32.263 χ^2/NDF: 84.0/70

In: 29.486+/-22.253 χ^2/NDF:83.9/56

Out: 47.533+/-22.096 χ^2/NDF:83.0/61

All: 38.573+/-15.679 χ^2/NDF: 167.2/118

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: 191.502+/-0.033 χ^2/NDF: 8141473.1/36

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

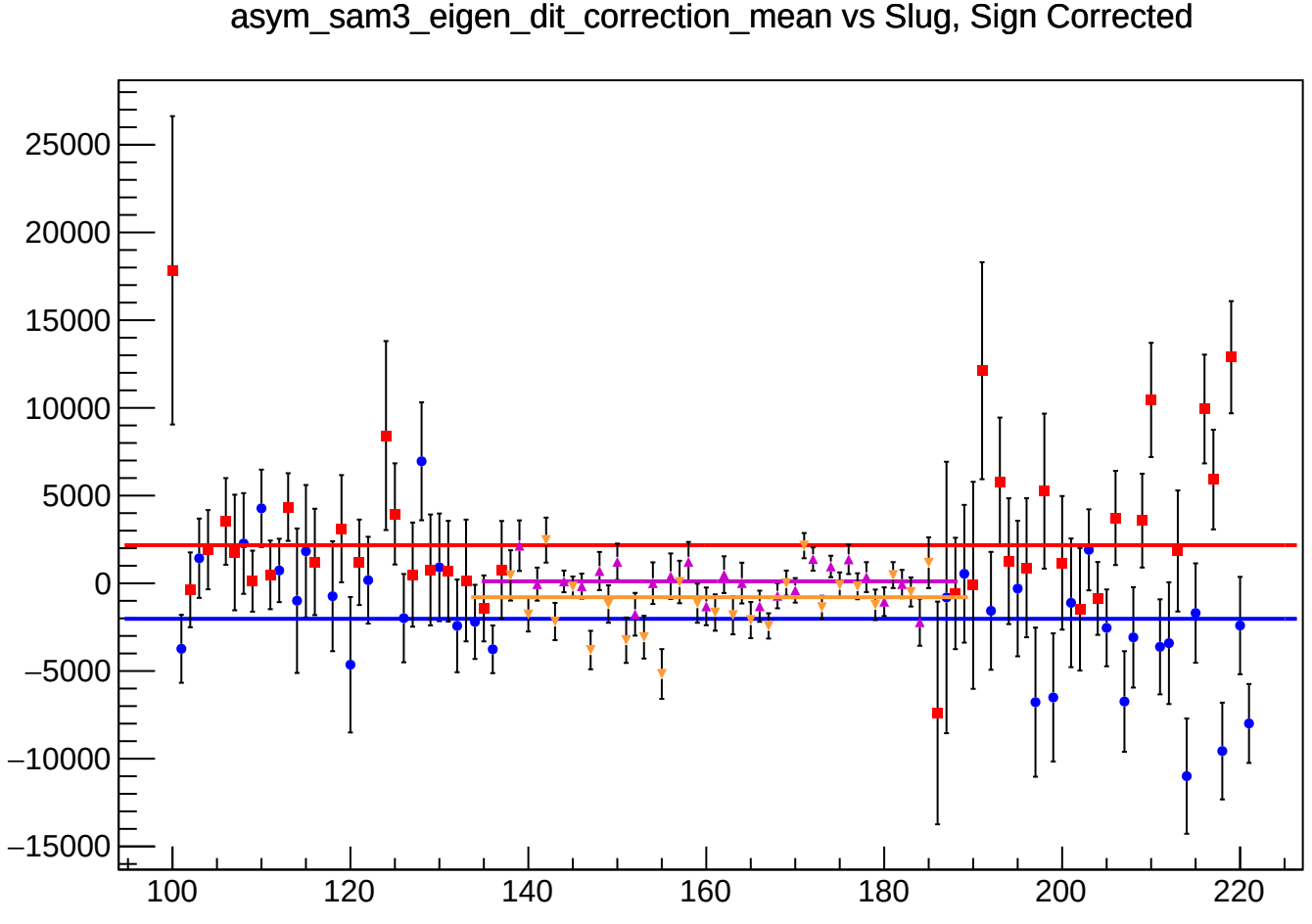
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 189.682+/-0.023 χ^2/NDF: 15199616.9/70

In: 125.638+/-0.016 χ^2/NDF:13909668.8/56

Out: 124.102+/-0.016 χ^2/NDF:15710662.7/61

All: 124.865+/-0.011 χ^2/NDF: 29625131.6/11



Right In: -2024.342+/-456.752 χ^2/NDF: 59.8/33

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 2171.302+/-470.087 χ^2/NDF: 52.5/36

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

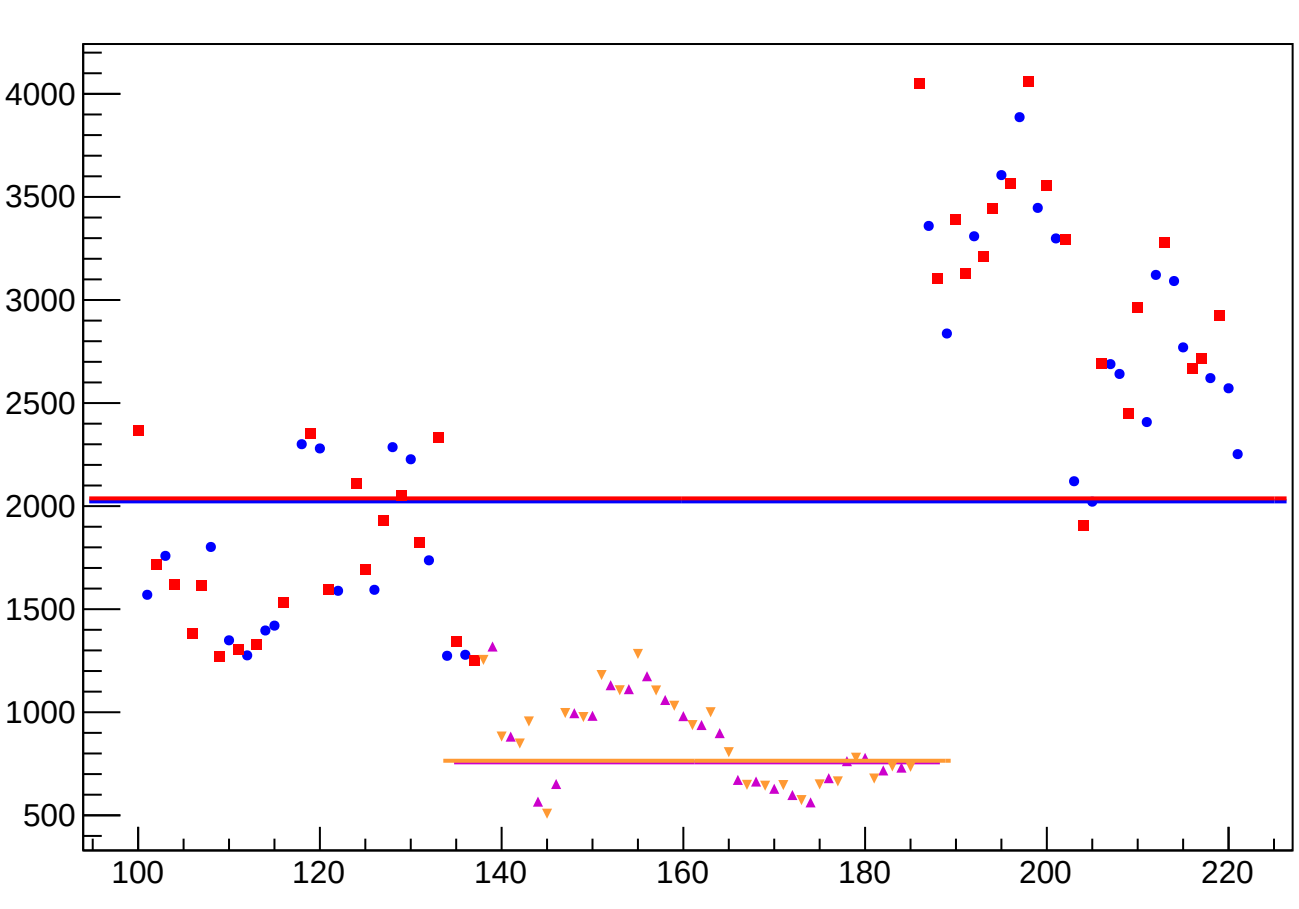
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 13.124+/-327.585 χ^2/NDF: 153.3/70

In: -182.403+/-169.973 χ^2/NDF:105.0/56

Out: -414.397+/-168.014 χ^2/NDF:157.2/61

All: -299.745+/-119.490 χ^2/NDF: 263.2/118



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: 2037.481+/-0.332 χ^2/NDF: 5206315.8/36

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

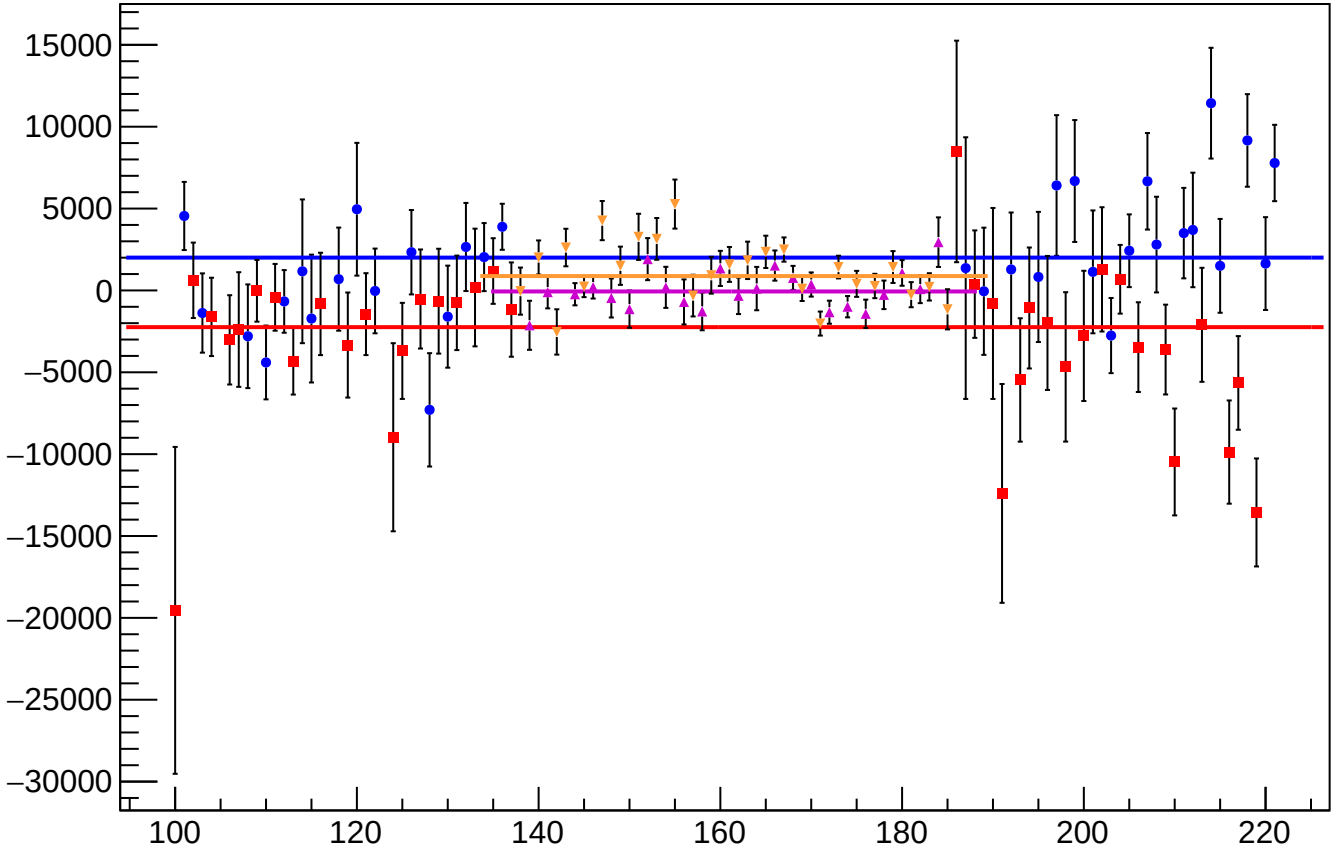
Right: 2030.032+/-0.232 χ^2/NDF: 9714366.8/70

In: 932.257+/-0.120 χ^2/NDF:19861225.8/56

Out: 927.317+/-0.119 χ^2/NDF:20419866.7/61

All: 929.758+/-0.084 χ^2/NDF: 40281947.2/11

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: -2242.993+/-489.903 χ^2/NDF: 49.7/36

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

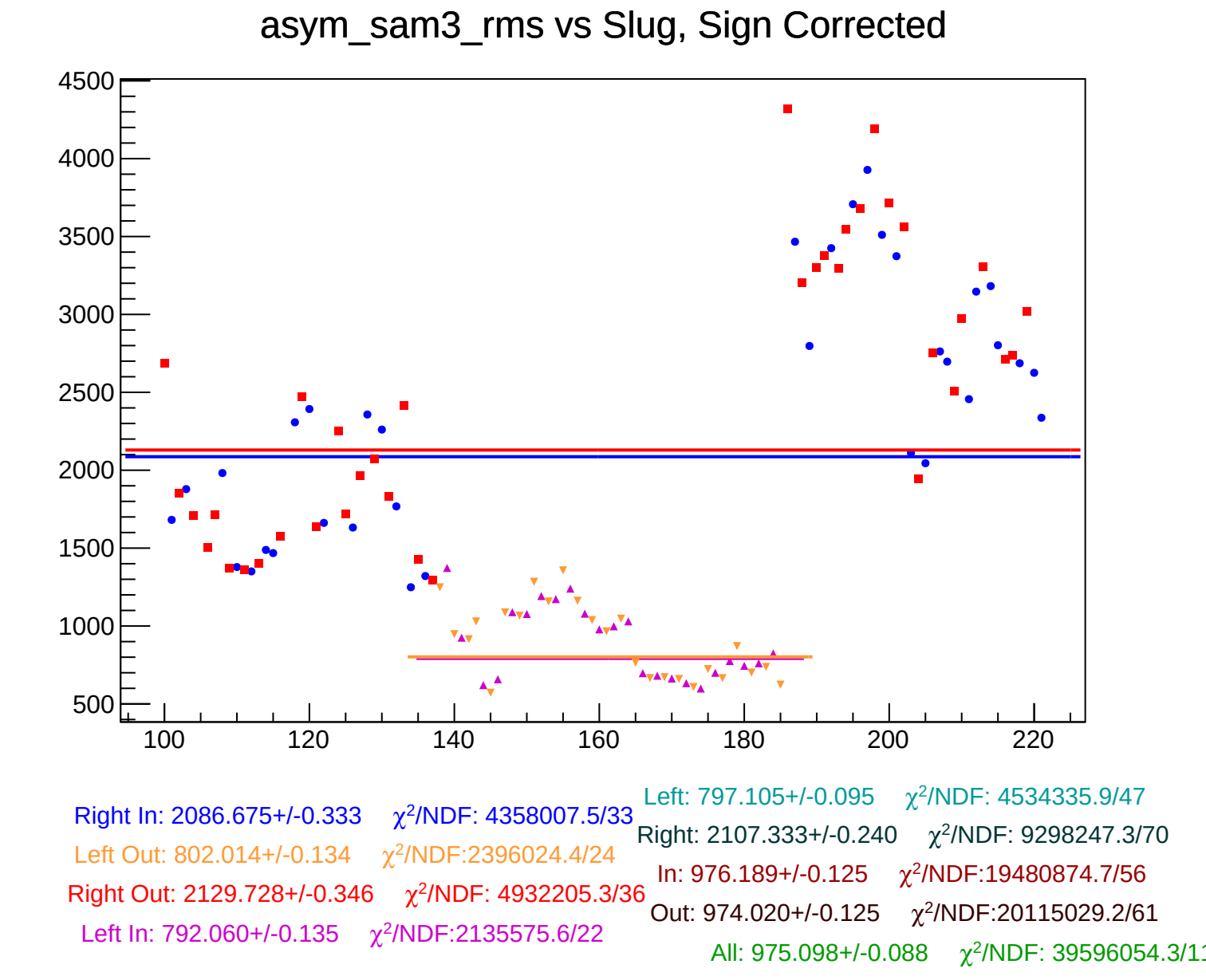
Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

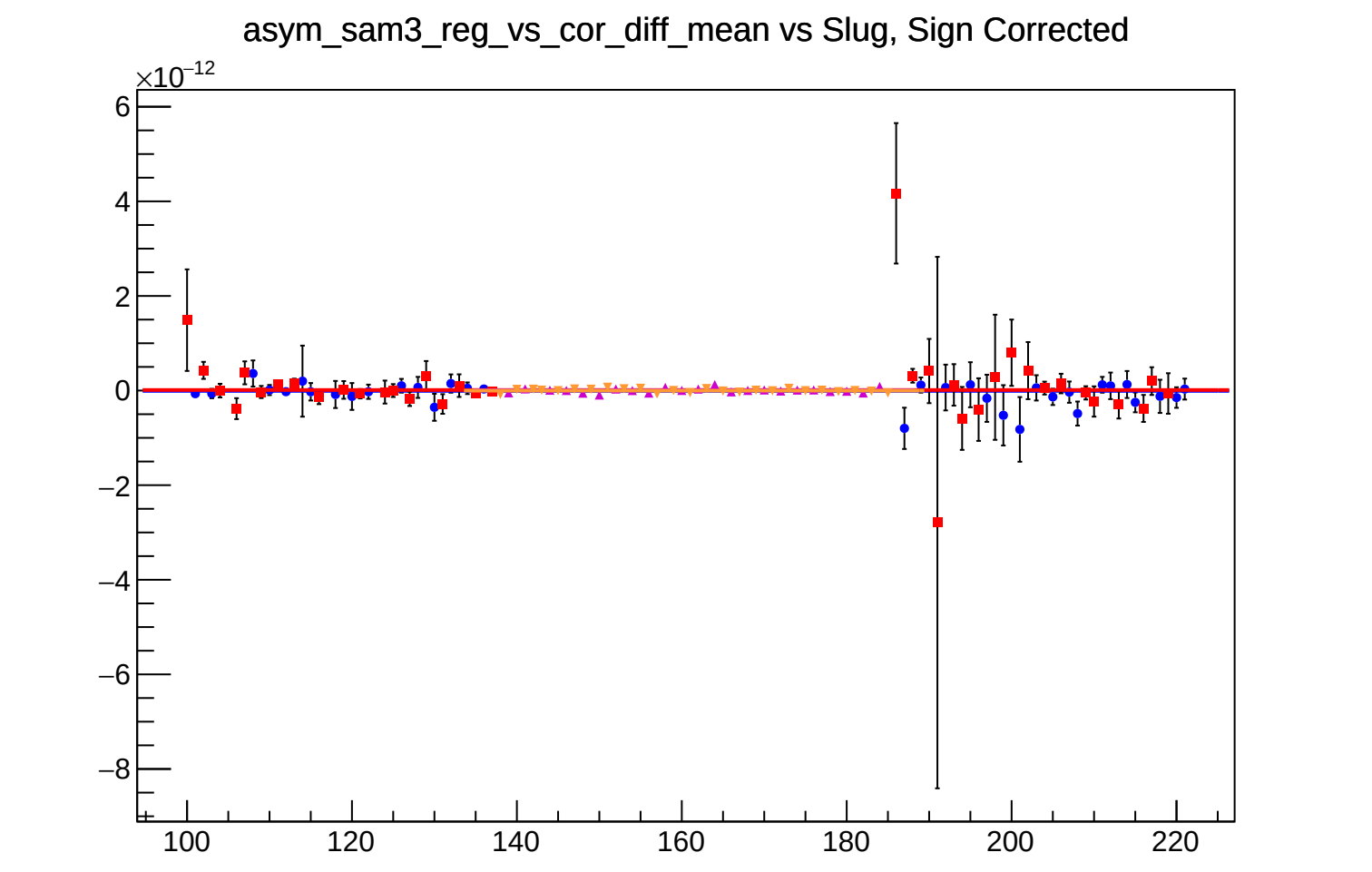
Right: -33.475+/-339.355 χ^2/NDF: 148.1/70

In: 231.294+/-177.449 χ^2/NDF:103.0/56

Out: 472.353+/-176.331 χ^2/NDF:152.2/61

All: 352.585+/-125.078 χ^2/NDF: 256.2/118


asym_sam3_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 2086.675+/-0.333 χ²/NDF: 4358007.5/33
Left Out: 802.014+/-0.134 χ²/NDF:2396024.4/24
Right Out: 2129.728+/-0.346 χ²/NDF: 4932205.3/36
Left In: 792.060+/-0.135 χ²/NDF:2135575.6/22
Left: 797.105+/-0.095 χ²/NDF: 4534335.9/47
Right: 2107.333+/-0.240 χ²/NDF: 9298247.3/70
In: 976.189+/-0.125 χ²/NDF:19480874.7/56
Out: 974.020+/-0.125 χ²/NDF:20115029.2/61
All: 975.098+/-0.088 χ²/NDF: 39596054.3/11



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: 44.0/36

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

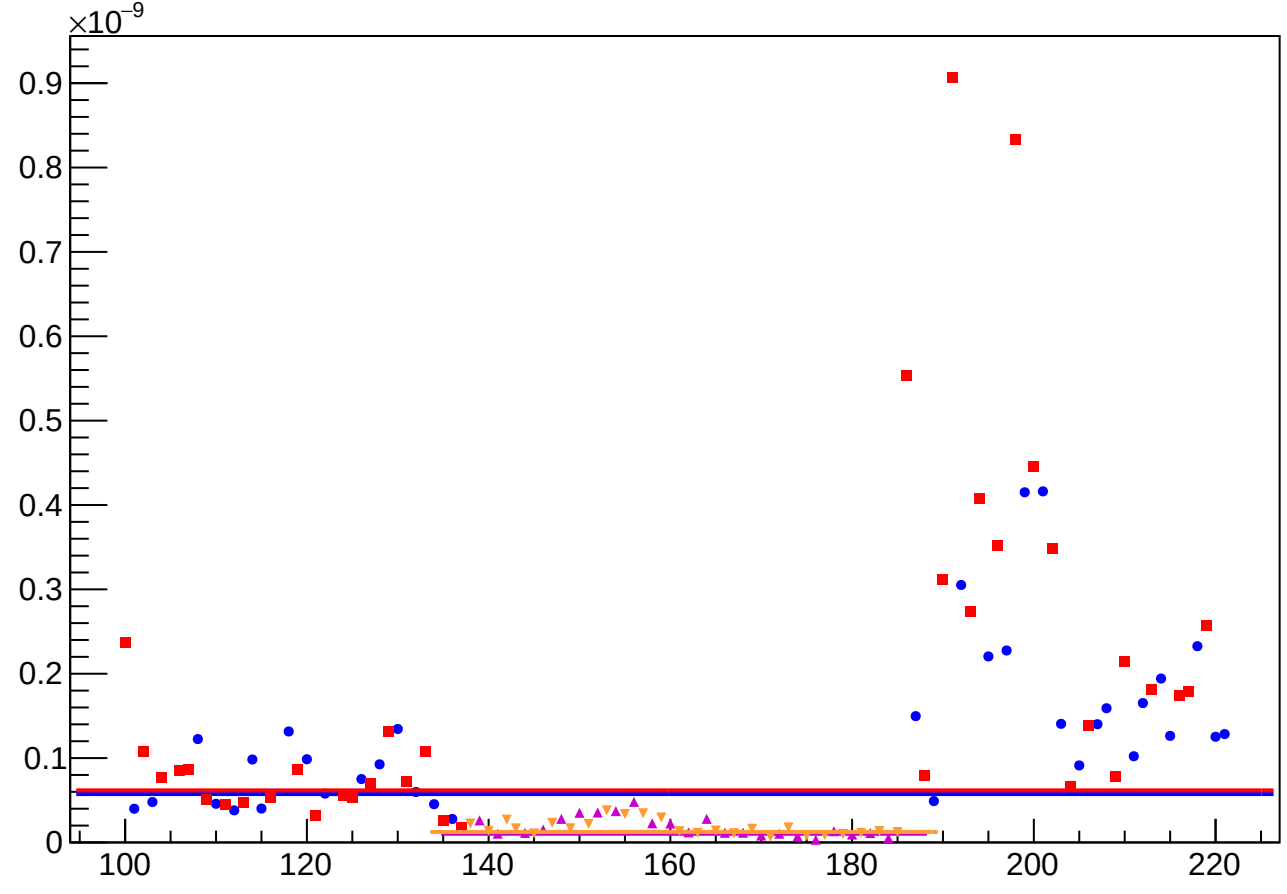
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 64.4/70

In: 0.000+/-0.000 χ^2/NDF:52.0/56

Out: -0.000+/-0.000 χ^2/NDF:68.2/61

All: 0.000+/-0.000 χ^2/NDF: 121.1/118



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: 7698687.9/36

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

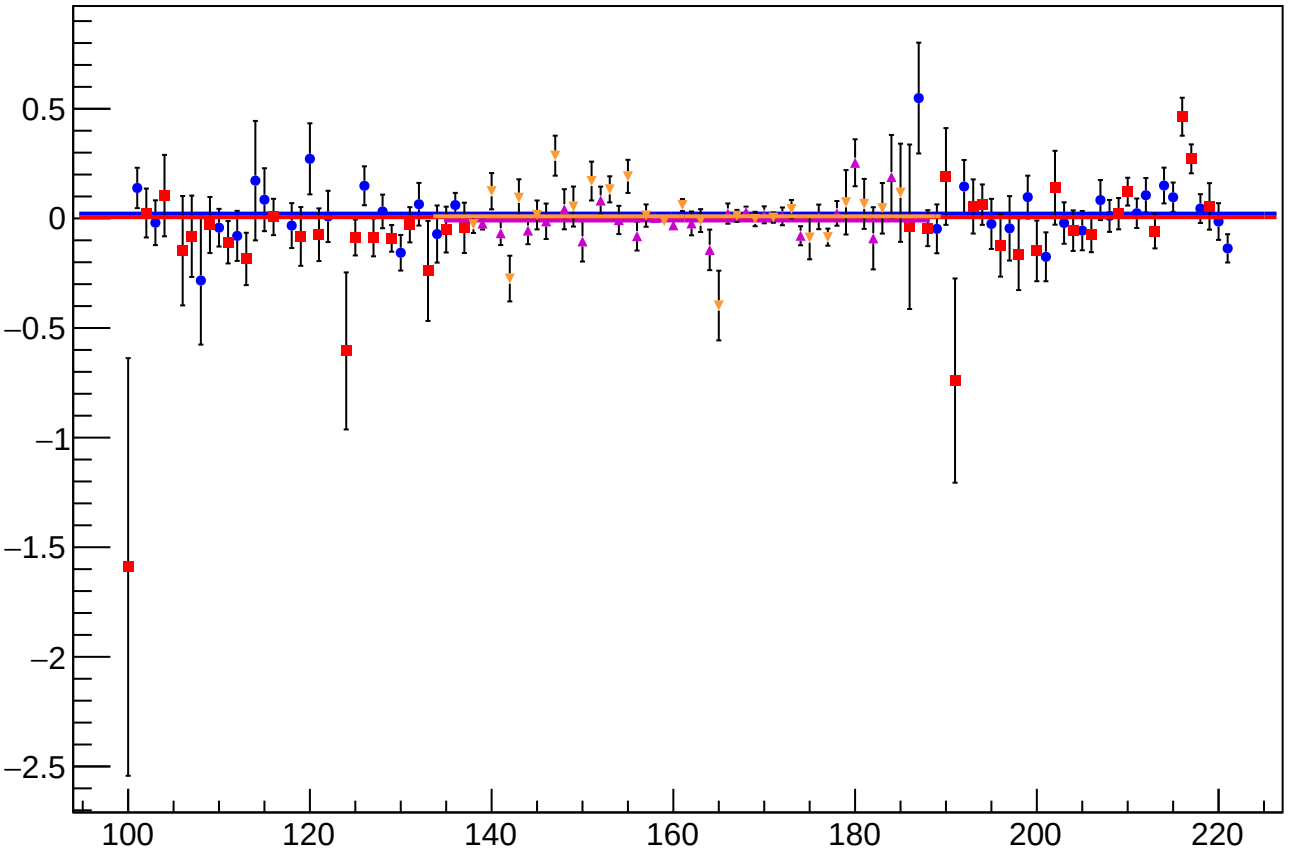
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14637870.5/70

In: 0.000+/-0.000 χ^2/NDF:17504164.0/56

Out: 0.000+/-0.000 χ^2/NDF:16128725.1/61

All: 0.000+/-0.000 χ^2/NDF: 33818968.7/118



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: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

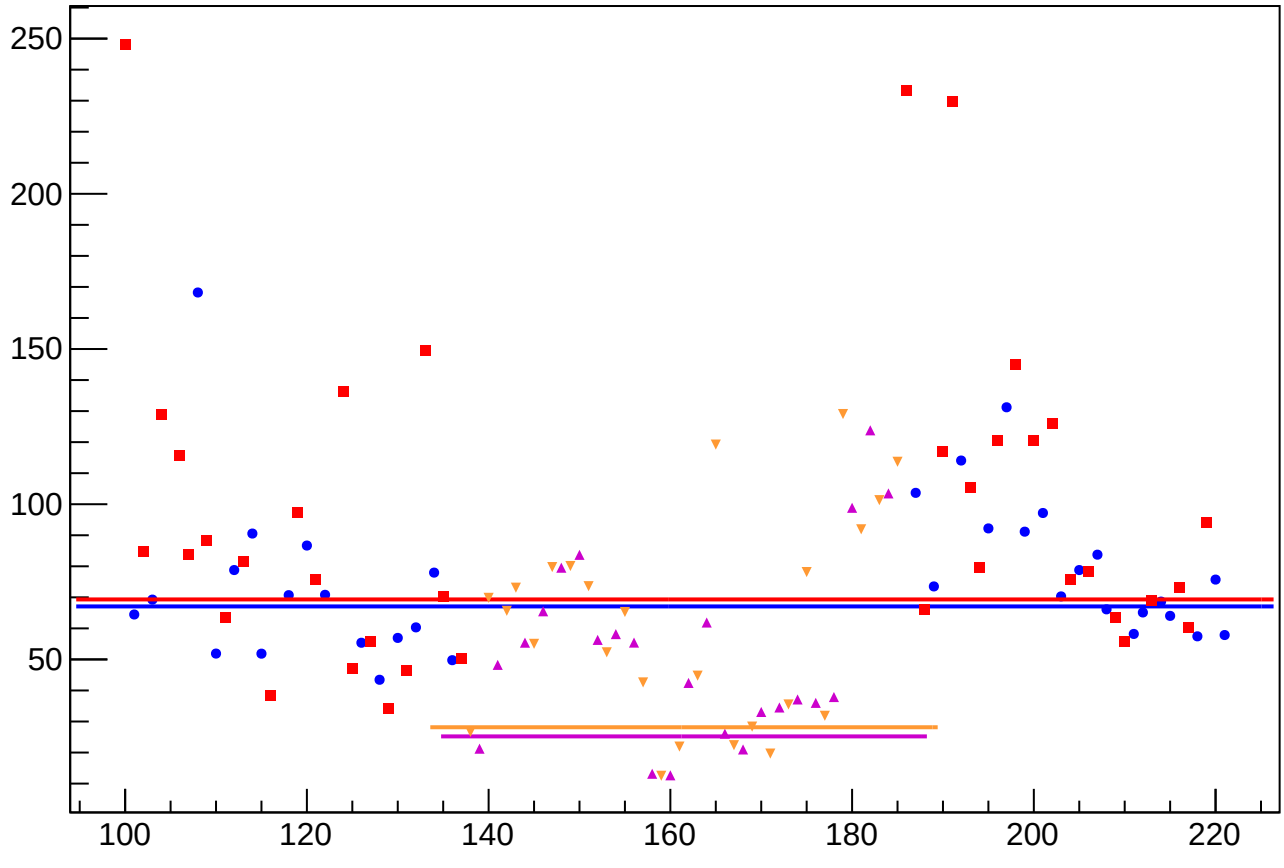
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.014+/-0.012 χ^2/NDF: 114.5/70

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.002+/-0.005 χ^2/NDF: 198.4/118



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: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

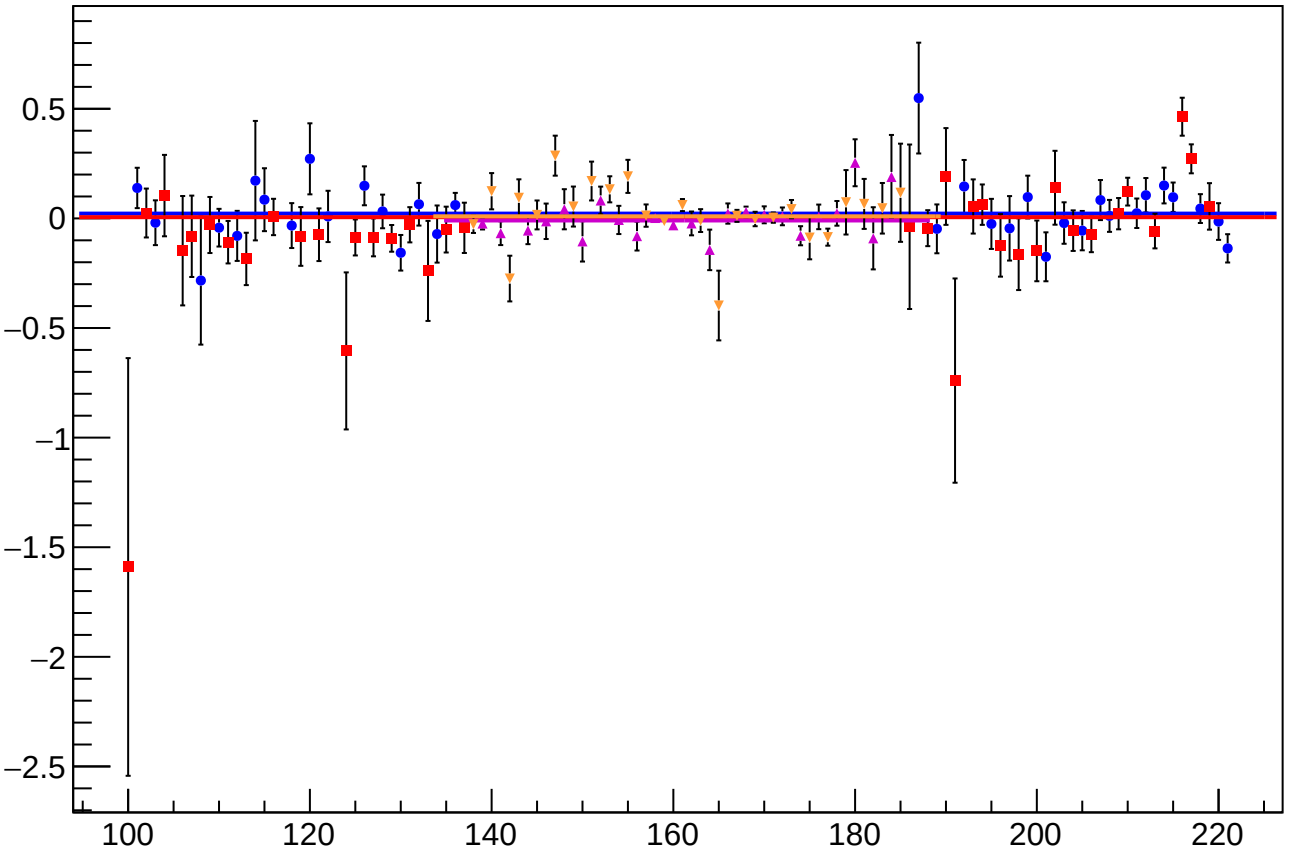
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.113+/-0.008 χ^2/NDF: 6851023.3/70

In: 33.660+/-0.005 χ^2/NDF:23452661.4/56

Out: 36.261+/-0.005 χ^2/NDF:25026536.4/61

All: 34.872+/-0.004 χ^2/NDF: 48605008.3/118



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: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

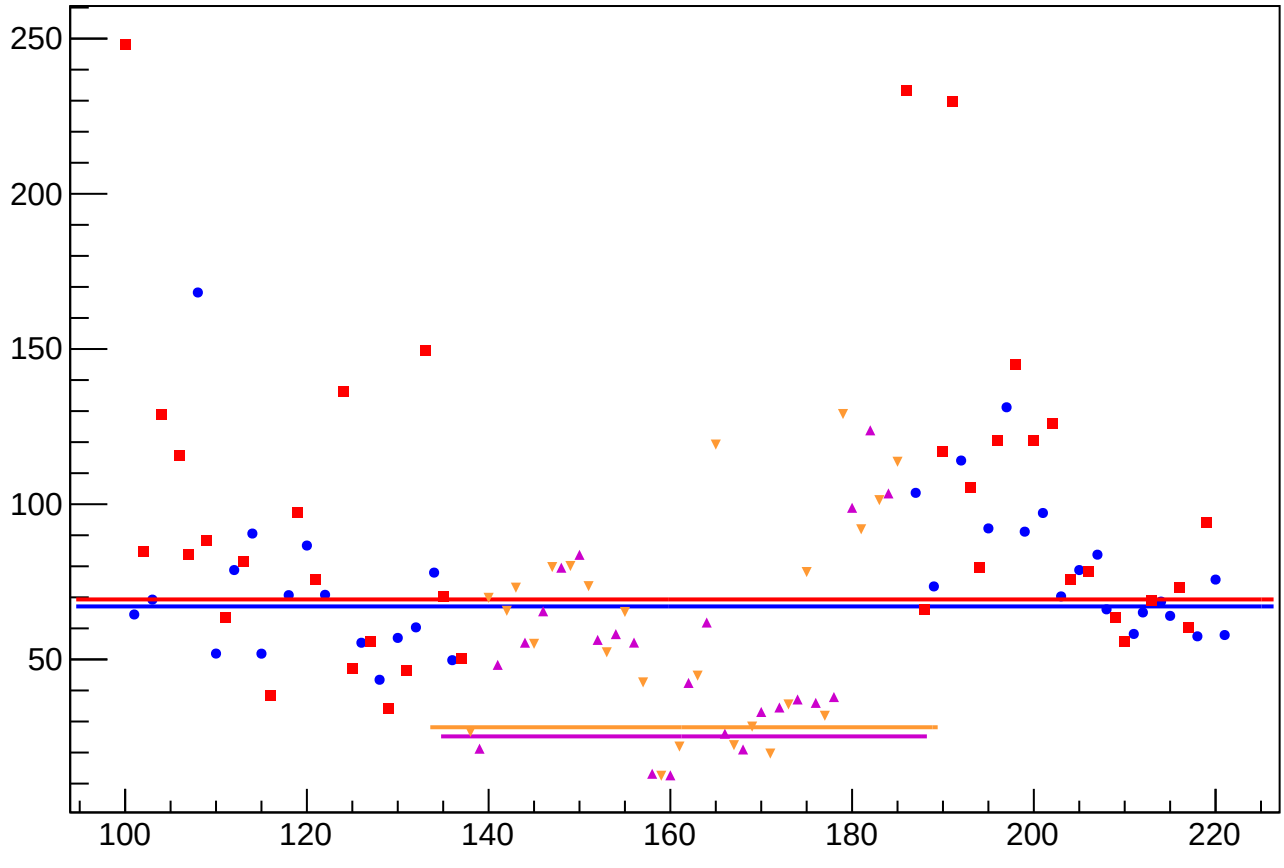
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.014+/-0.012 χ^2/NDF: 114.5/70

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.002+/-0.005 χ^2/NDF: 198.4/118



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: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

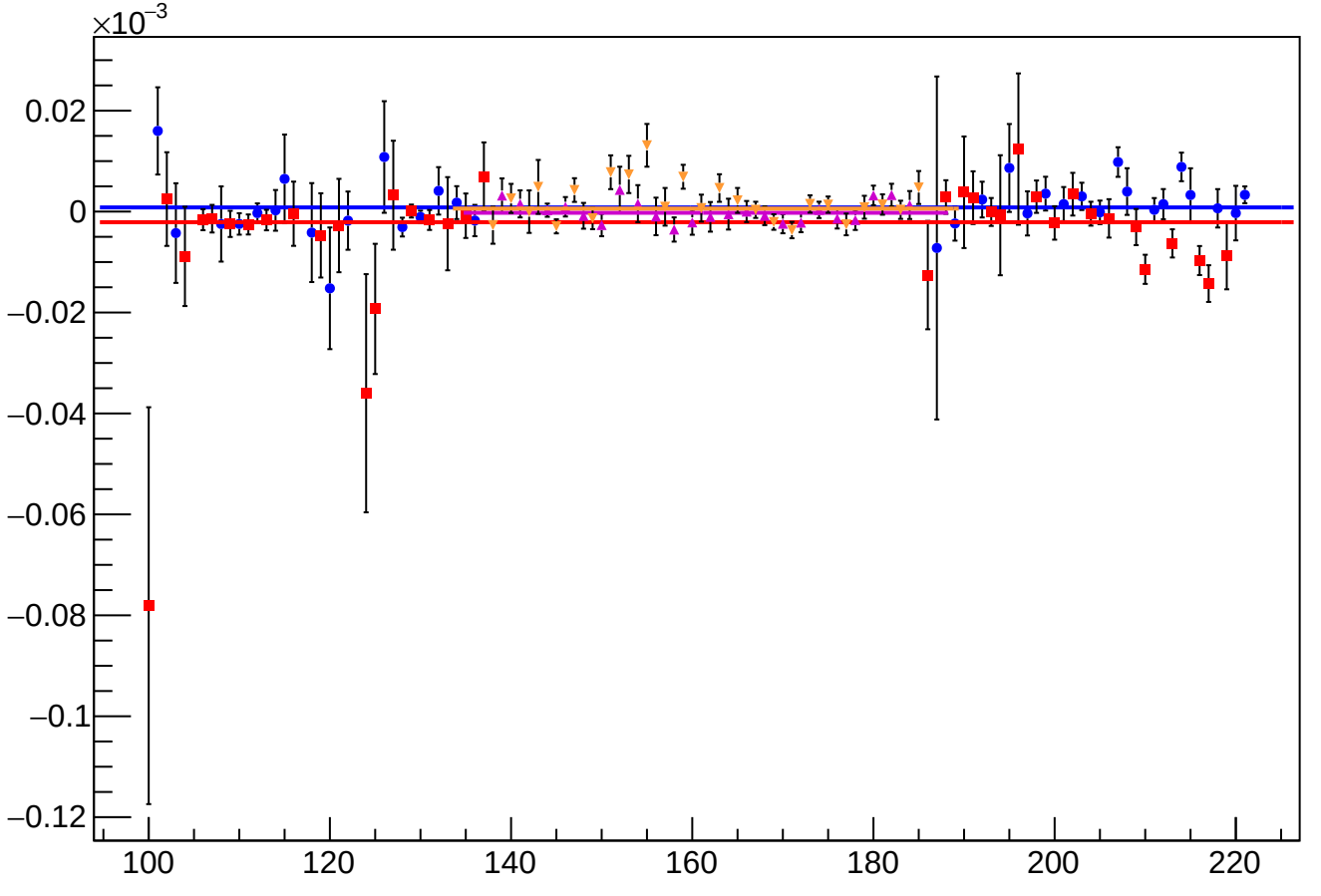
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.113+/-0.008 χ^2/NDF: 6851023.3/70

In: 33.660+/-0.005 χ^2/NDF:23452661.4/56

Out: 36.261+/-0.005 χ^2/NDF:25026536.4/61

All: 34.872+/-0.004 χ^2/NDF: 48605008.3/118



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: 56.4/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

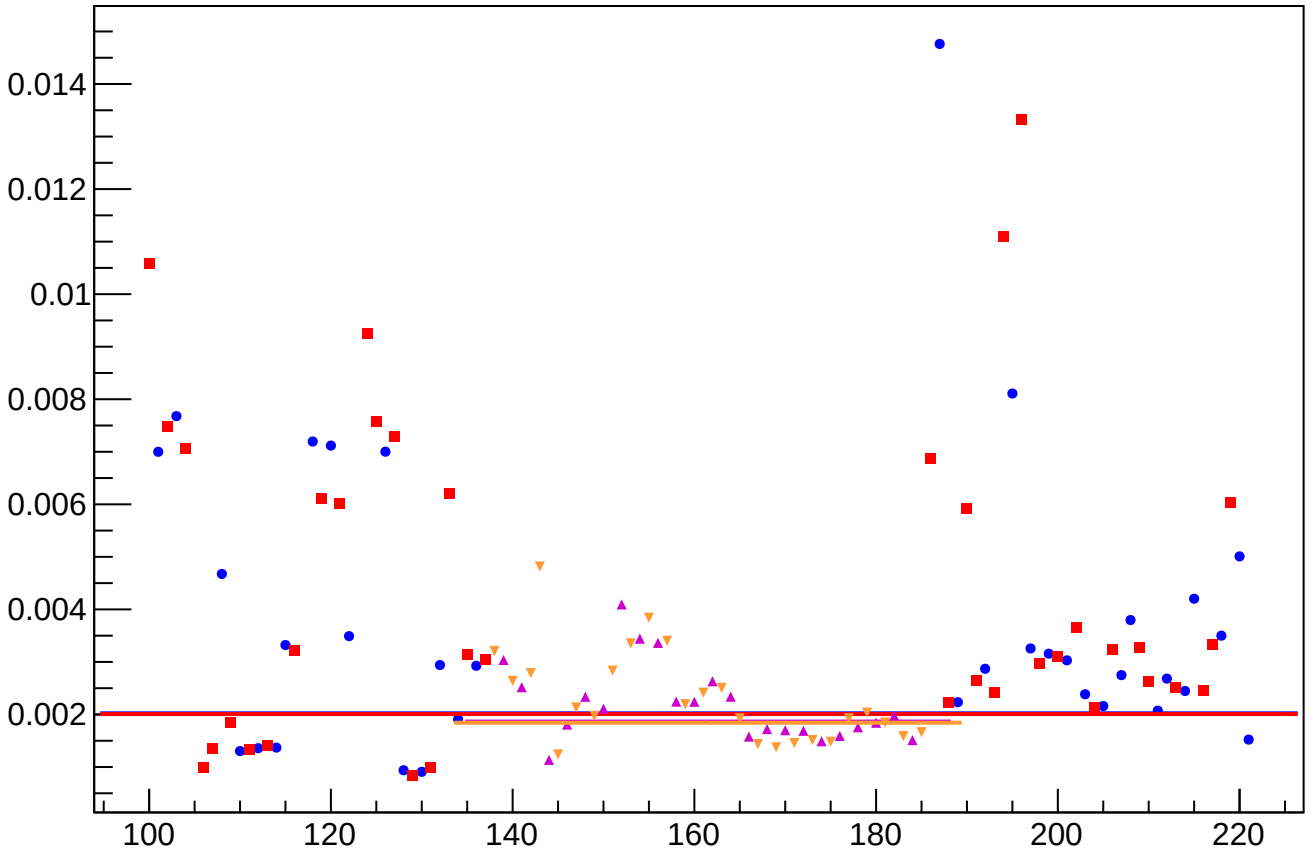
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 113.0/70

In: 0.000+/-0.000 χ^2/NDF:60.5/56

Out: -0.000+/-0.000 χ^2/NDF:123.5/61

All: -0.000+/-0.000 χ^2/NDF: 186.0/118



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: 12532377.1/36

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

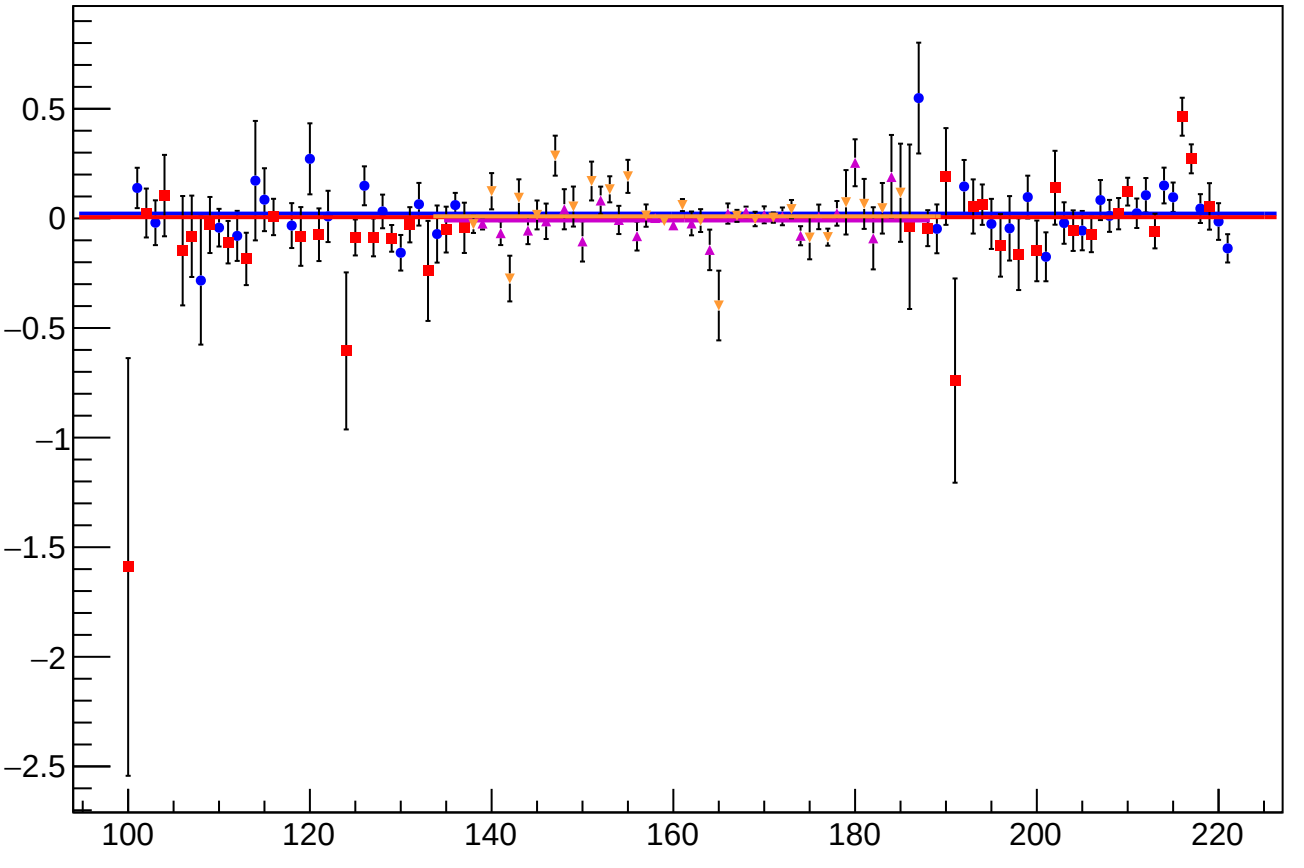
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 22611100.2/70

In: 0.002+/-0.000 χ^2/NDF:12973562.3/56

Out: 0.002+/-0.000 χ^2/NDF:16425742.4/61

All: 0.002+/-0.000 χ^2/NDF: 29404079.9/118



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: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

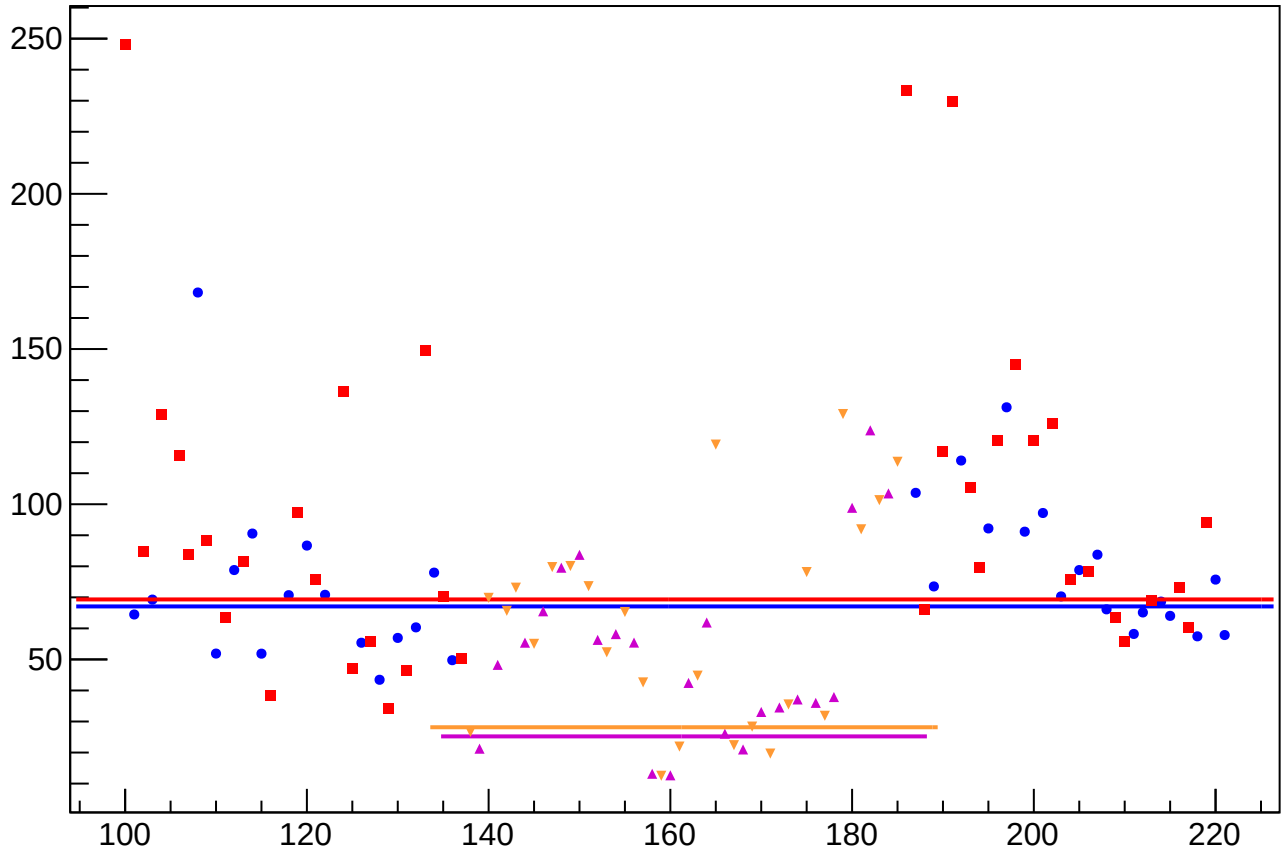
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.014+/-0.012 χ^2/NDF: 114.5/70

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.002+/-0.005 χ^2/NDF: 198.4/118



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: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

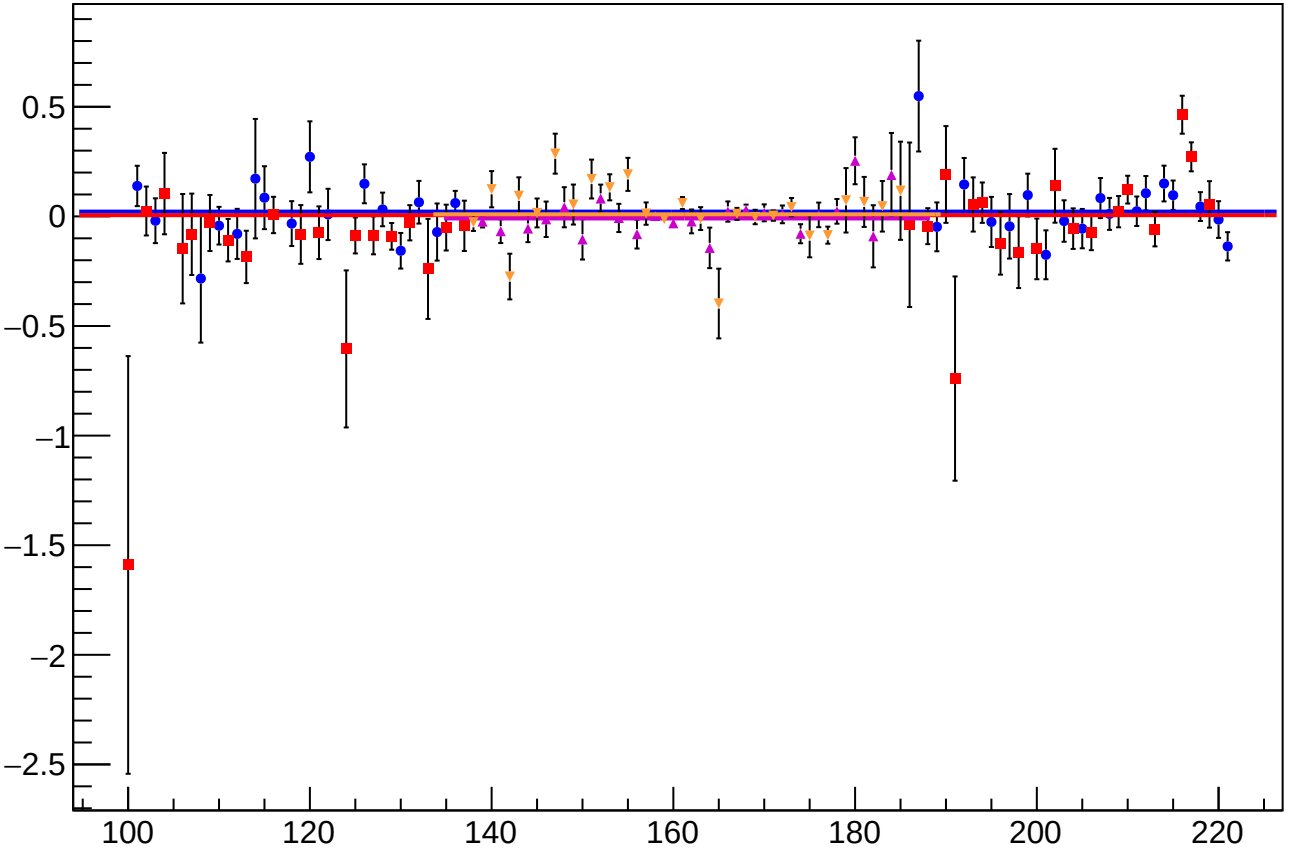
Right: 68.113+/-0.008 χ^2/NDF: 6851083.3/70

In: 33.659+/-0.005 χ^2/NDF:23453438.6/56

Out: 36.260+/-0.005 χ^2/NDF:25028470.2/61

All: 34.871+/-0.004 χ^2/NDF: 48607644.5/118

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

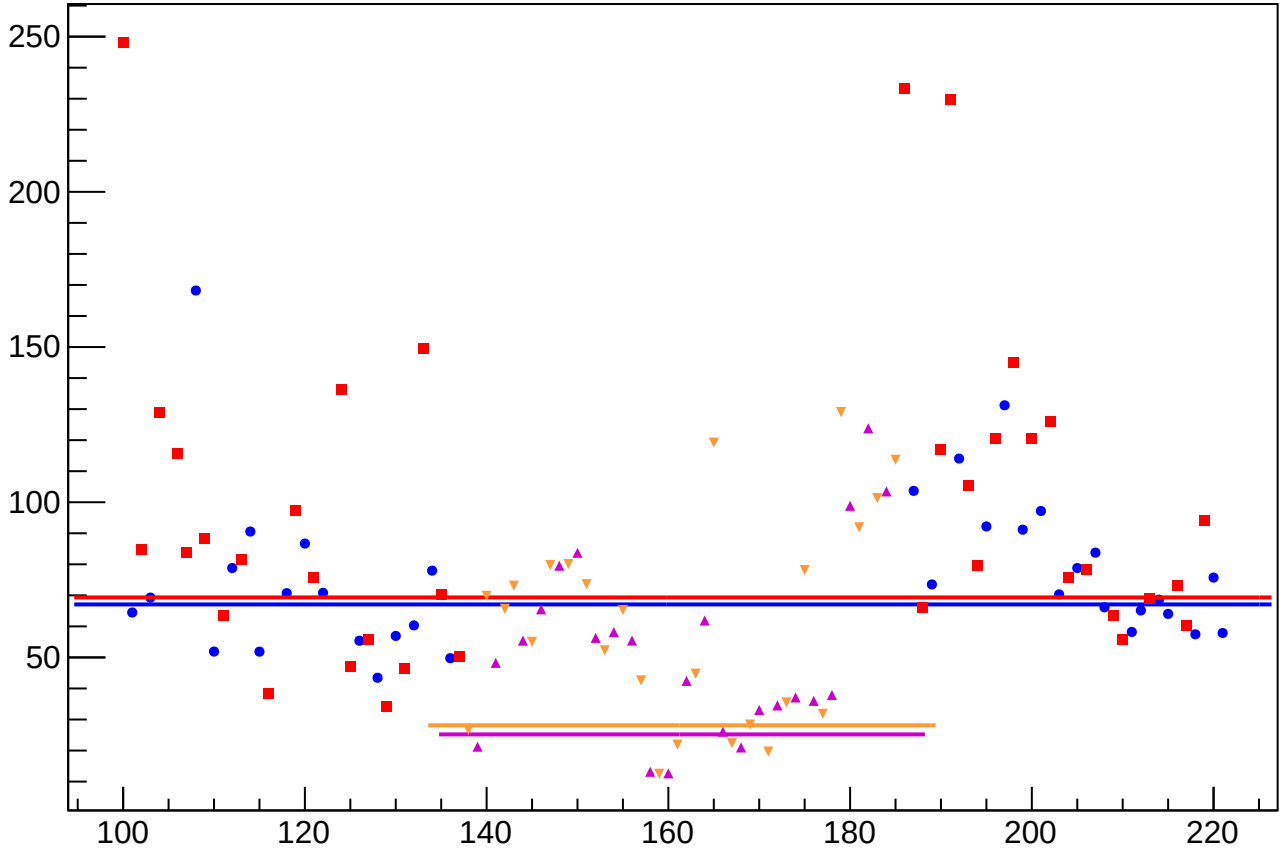
Right: 0.014+/-0.012 χ^2/NDF: 114.5/70

In: -0.003+/-0.007 χ^2/NDF:66.3/56

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.002+/-0.005 χ^2/NDF: 198.4/118

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: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

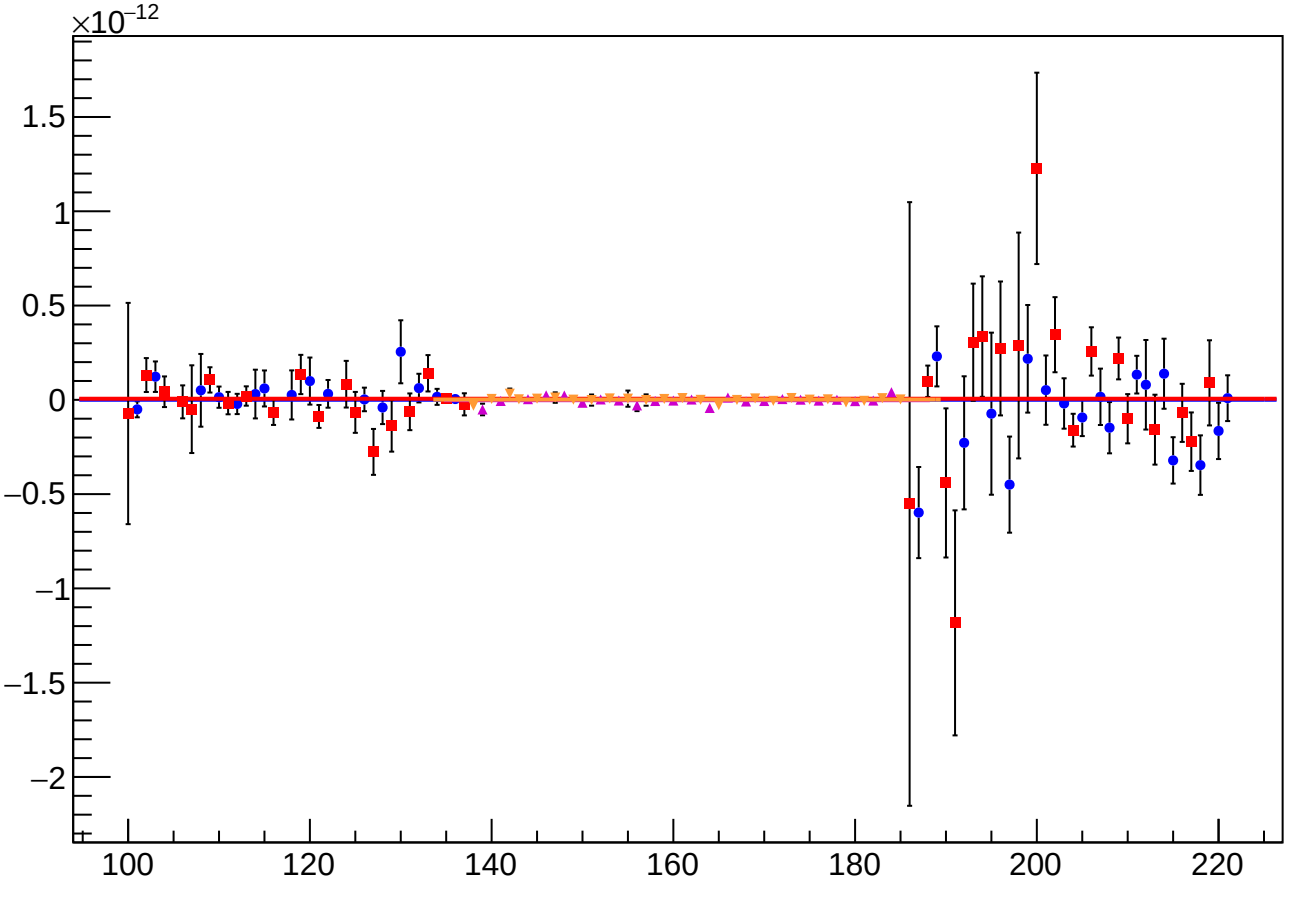
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.113+/-0.008 χ^2/NDF: 6851083.3/70

In: 33.659+/-0.005 χ^2/NDF:23453438.6/56

Out: 36.260+/-0.005 χ^2/NDF:25028470.2/61

All: 34.871+/-0.004 χ^2/NDF: 48607644.5/118



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: 53.0/36

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

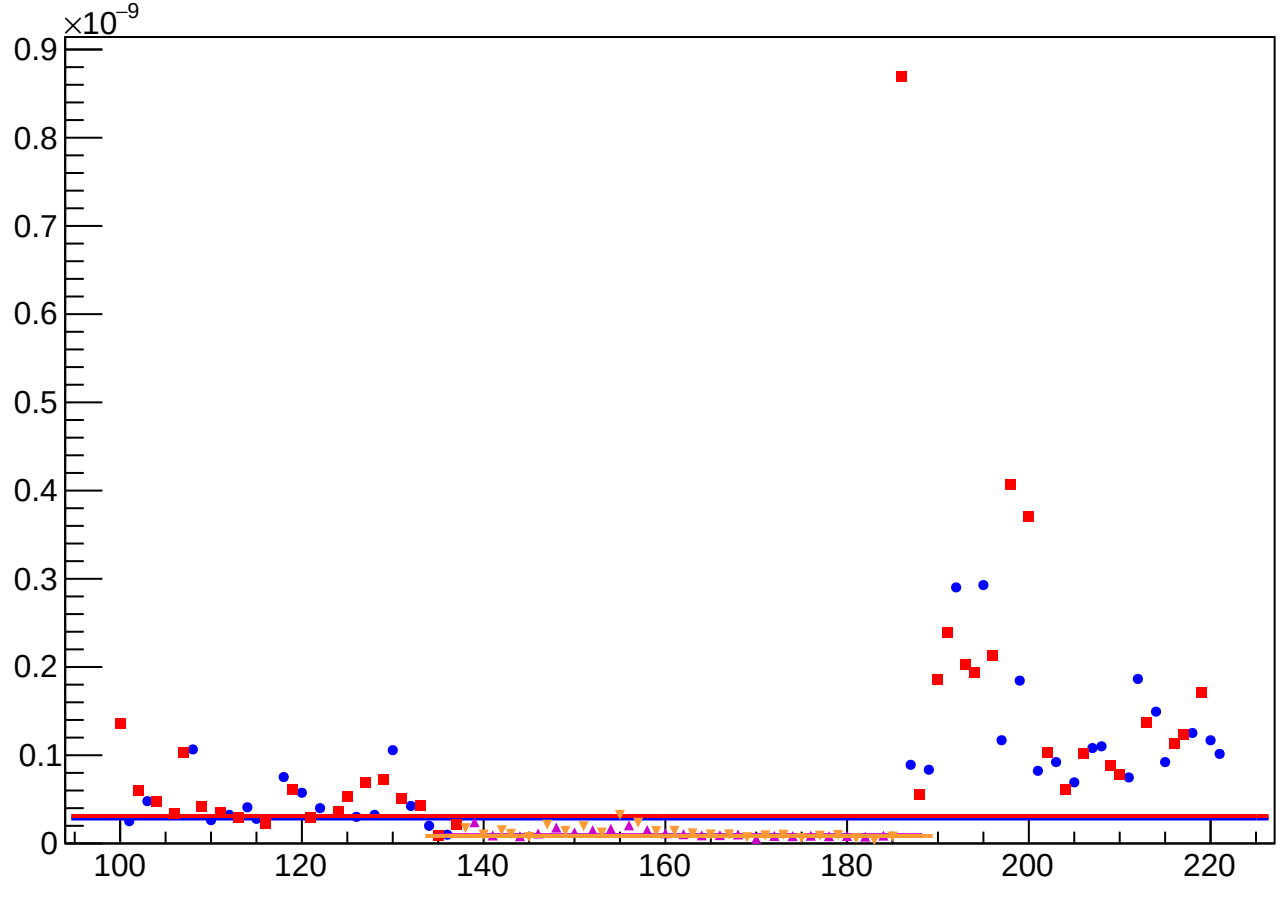
Right: 0.000+/-0.000 χ^2/NDF: 91.7/70

In: -0.000+/-0.000 χ^2/NDF:59.5/56

Out: 0.000+/-0.000 χ^2/NDF:64.4/61

All: 0.000+/-0.000 χ^2/NDF: 124.6/118

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: 13456540.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

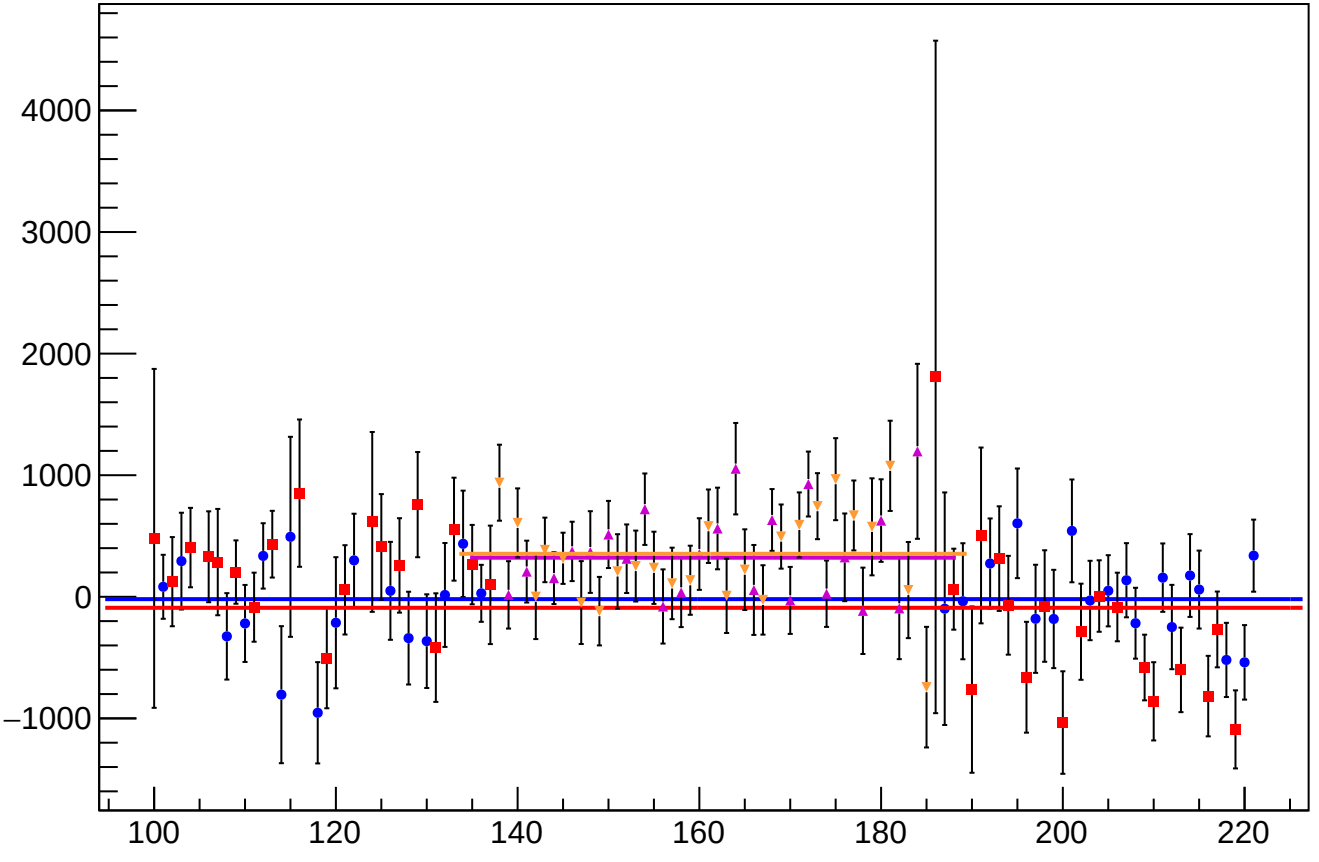
Right: 0.000+/-0.000 χ^2/NDF: 27783338.1/70

In: 0.000+/-0.000 χ^2/NDF:21464758.3/56

Out: 0.000+/-0.000 χ^2/NDF:23822890.3/61

All: 0.000+/-0.000 χ^2/NDF: 45442603.3/118

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: -90.454+/-61.947 χ^2/NDF: 60.6/36

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

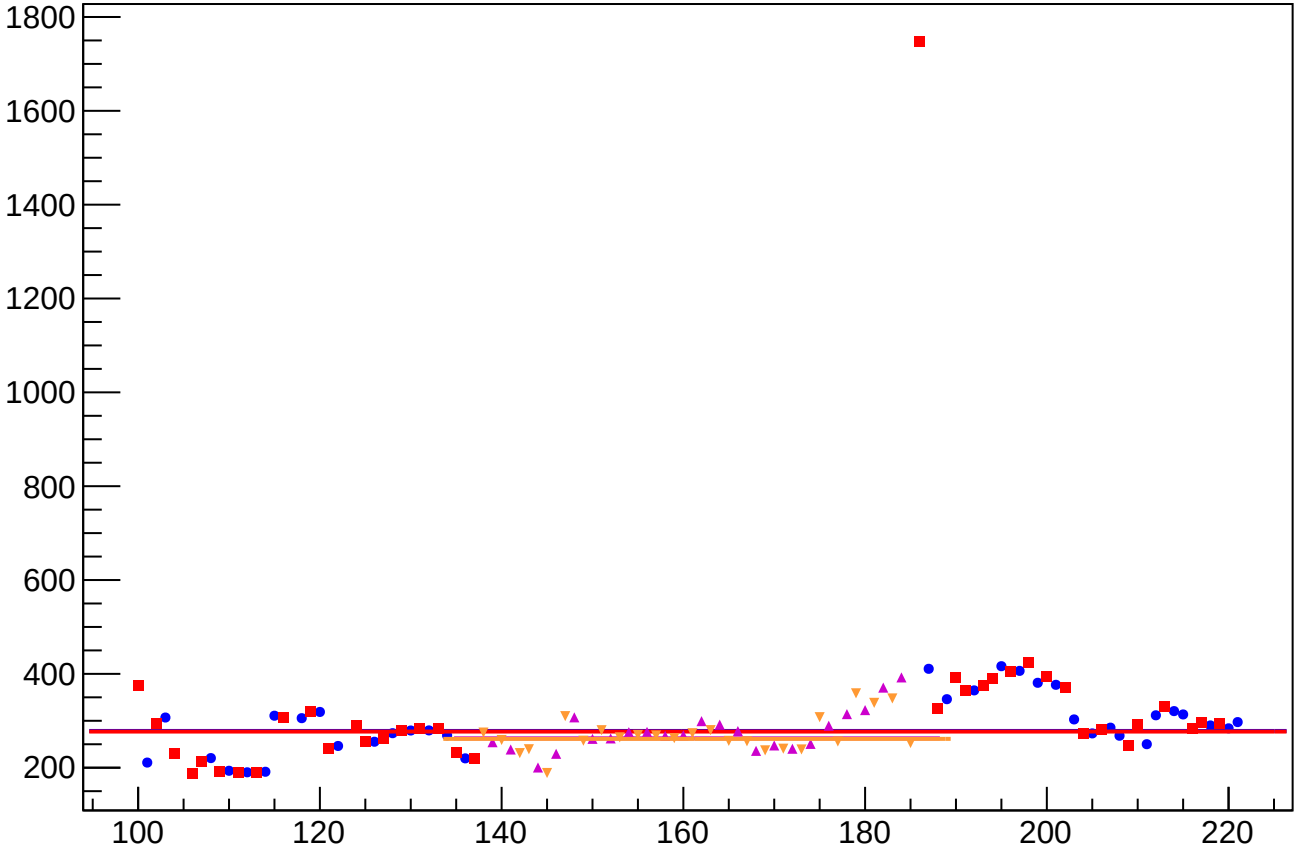
Right: -54.135+/-43.335 χ^2/NDF: 89.4/70

In: 147.012+/-43.392 χ^2/NDF:69.8/56

Out: 138.120+/-43.153 χ^2/NDF:119.4/61

All: 142.542+/-30.598 χ^2/NDF: 189.2/118

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: 277.066+/-0.044 χ^2/NDF: 2616407.1/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

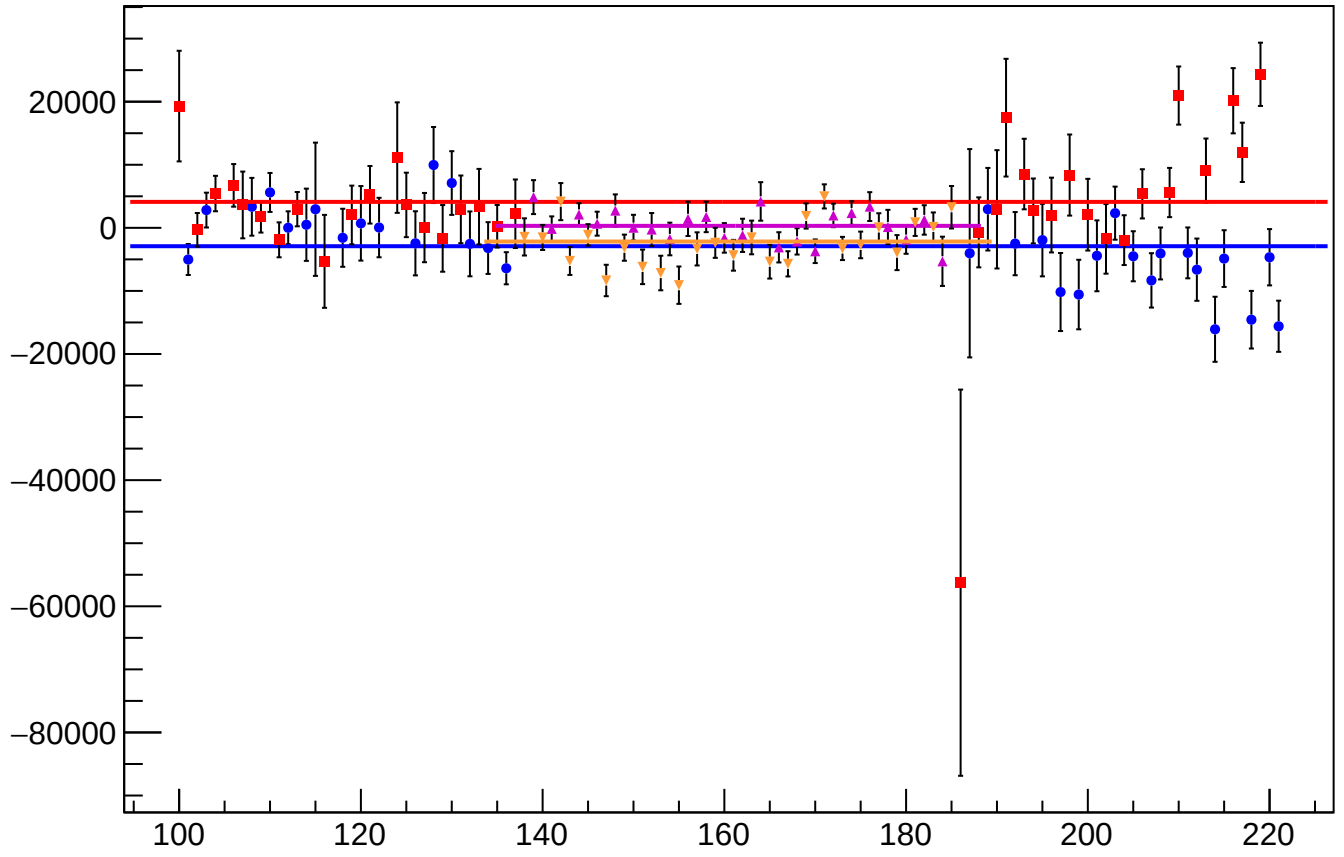
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.708+/-0.031 χ^2/NDF: 4285049.1/70

In: 270.658+/-0.031 χ^2/NDF:2404351.0/56

Out: 269.038+/-0.031 χ^2/NDF:3397130.4/61

All: 269.844+/-0.022 χ^2/NDF: 5802882.4/118



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: 4115.080+/-726.022 χ^2/NDF: 73.1/36

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

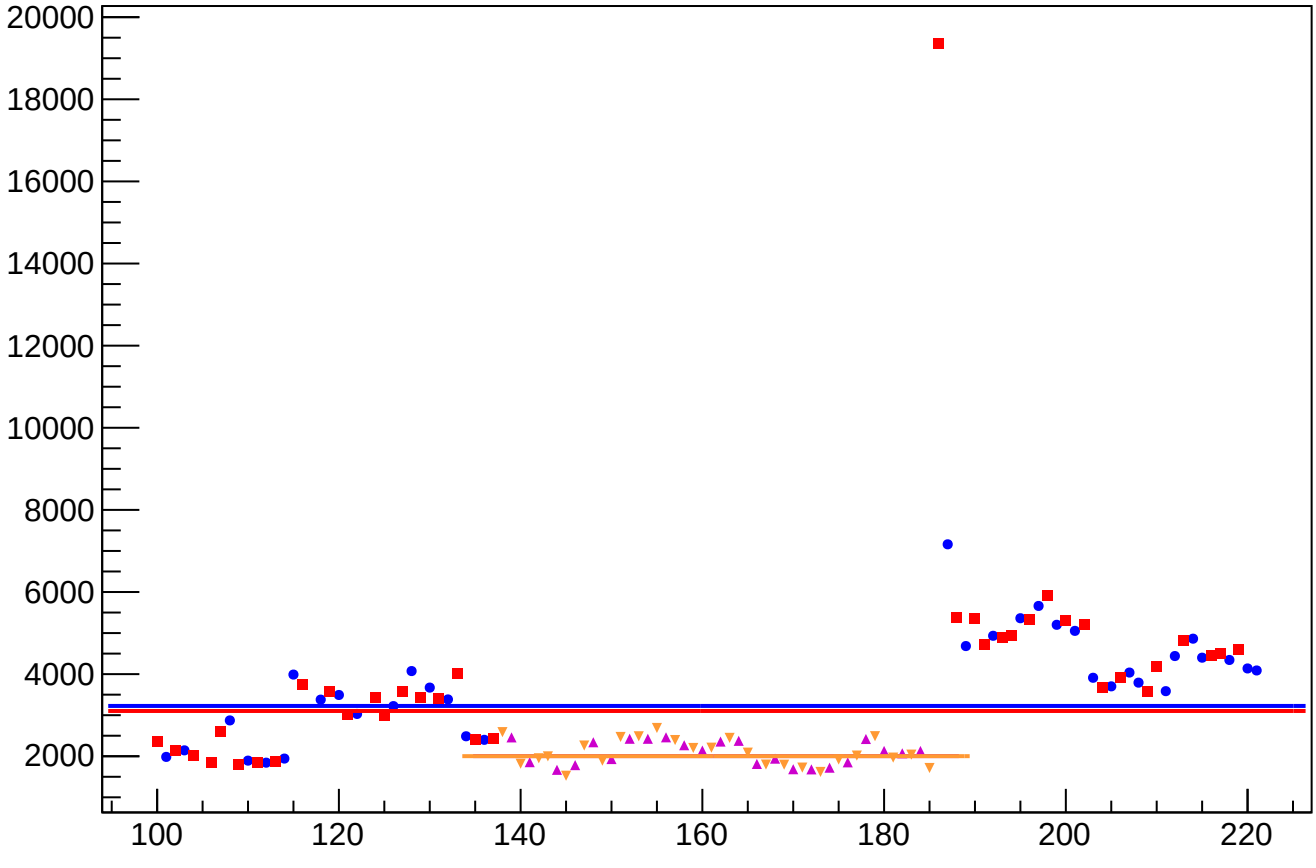
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 613.540+/-514.310 χ^2/NDF: 178.9/70

In: -646.105+/-397.383 χ^2/NDF:96.5/56

Out: -361.766+/-389.564 χ^2/NDF:182.0/61

All: -501.111+/-278.187 χ^2/NDF: 278.8/118



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: 3102.901+/-0.513 χ^2/NDF: 6266191.2/36

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

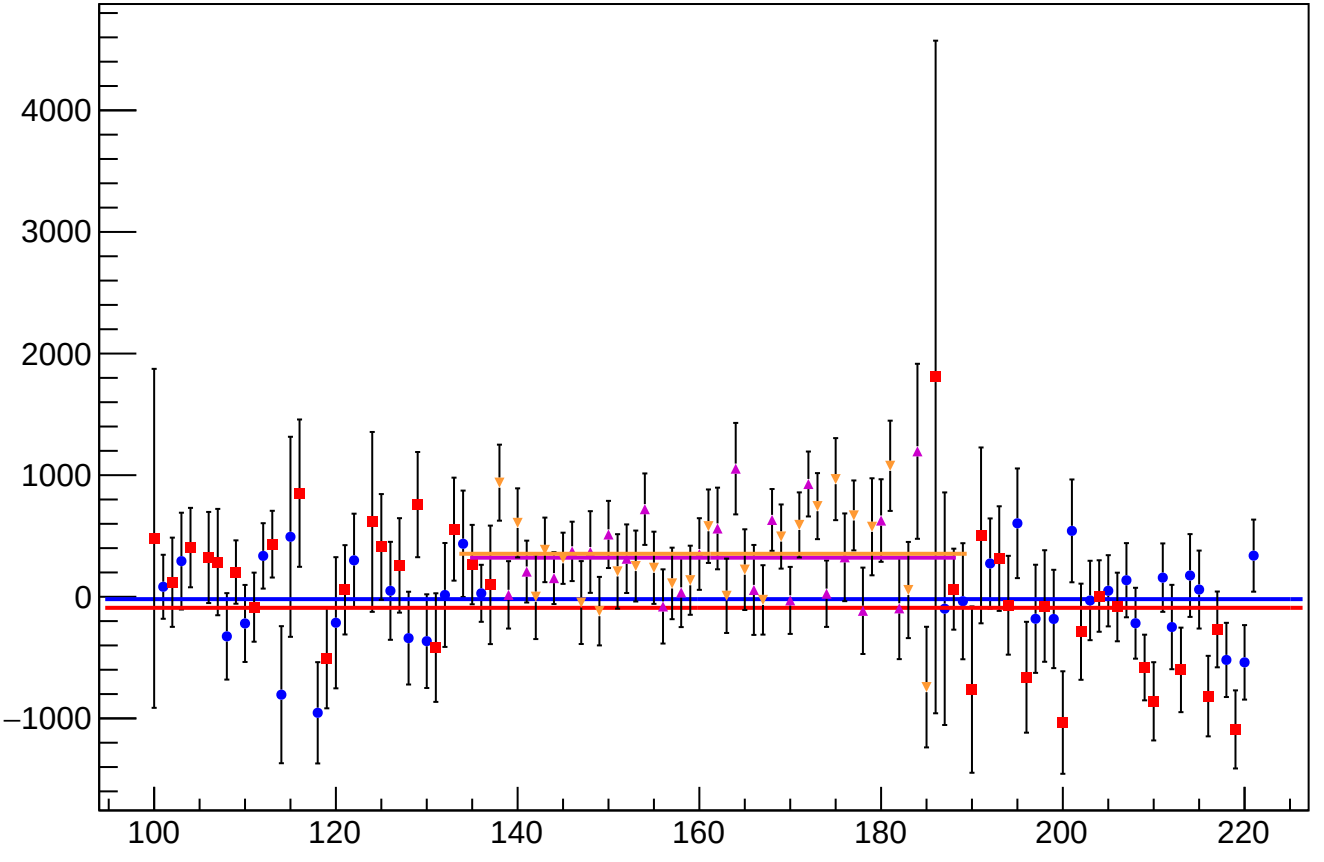
Right: 3163.894+/-0.364 χ^2/NDF: 10973031.2/70

In: 2367.404+/-0.281 χ^2/NDF:9329461.5/56

Out: 2319.125+/-0.275 χ^2/NDF:10432158.3/61

All: 2342.784+/-0.197 χ^2/NDF: 19776673.6/1

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: -90.815+/-61.952 χ^2/NDF: 60.5/36

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

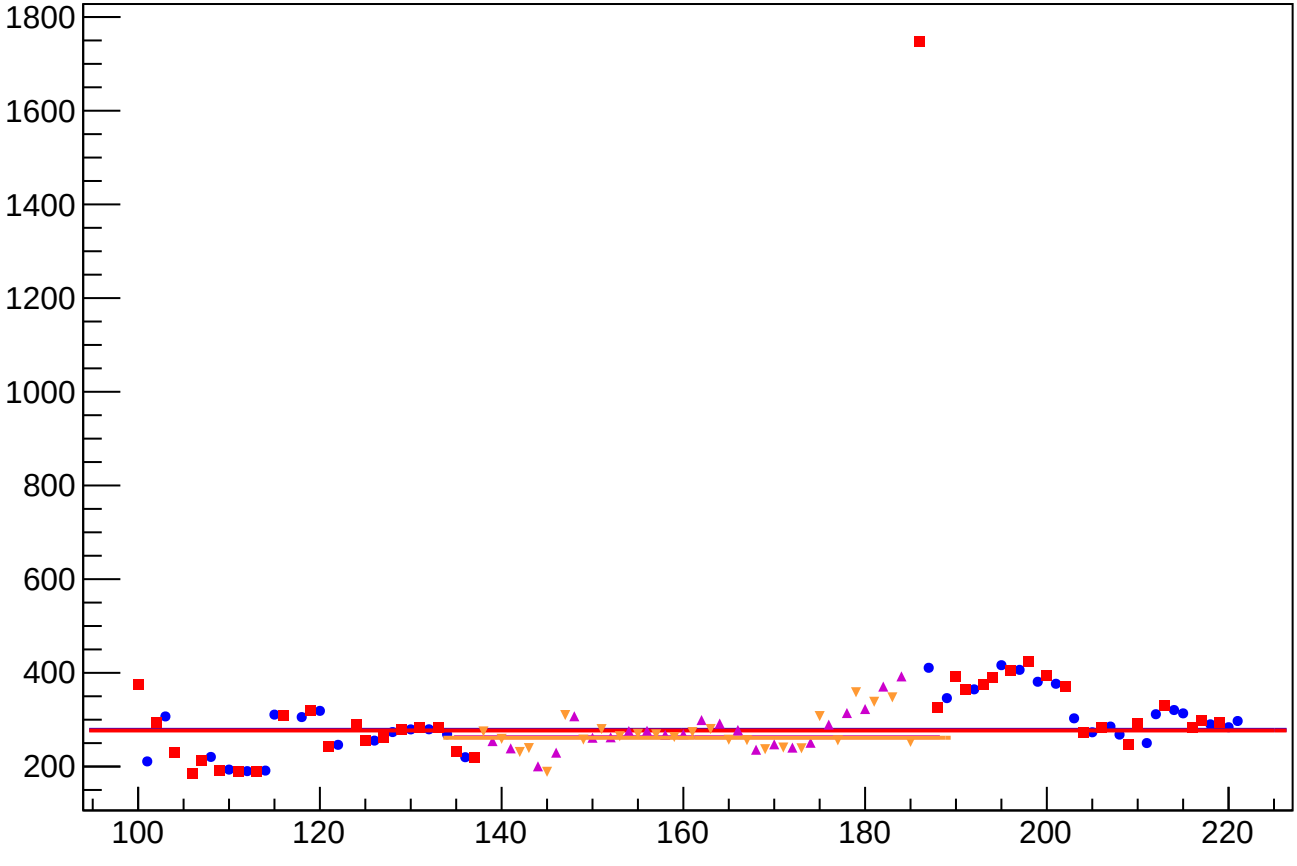
Right: -54.314+/-43.337 χ^2/NDF: 89.3/70

In: 147.009+/-43.392 χ^2/NDF:69.8/56

Out: 137.974+/-43.155 χ^2/NDF:119.3/61

All: 142.467+/-30.599 χ^2/NDF: 189.1/118

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: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

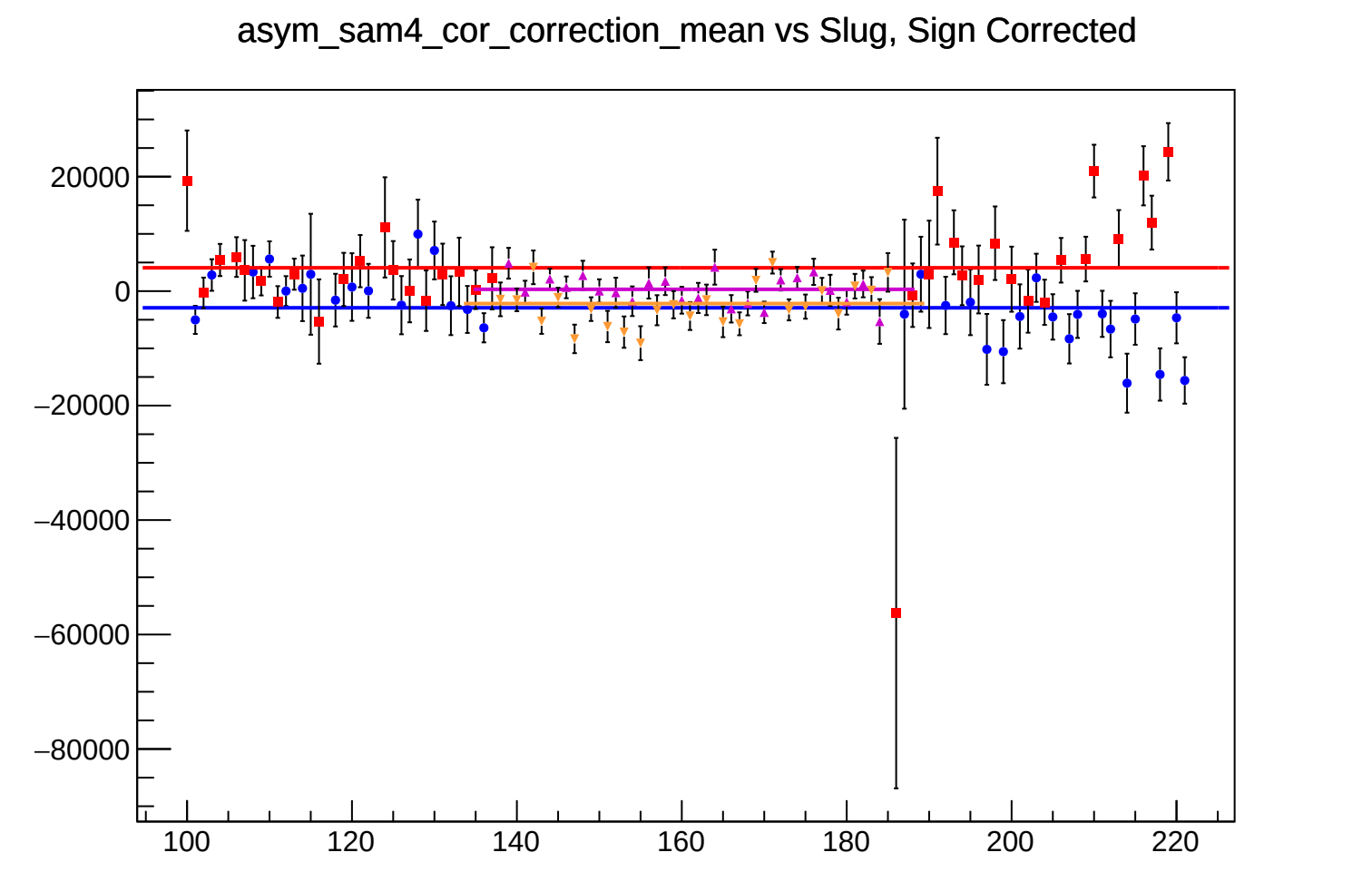
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.682+/-0.031 χ^2/NDF: 4291126.9/70

In: 270.658+/-0.031 χ^2/NDF:2404352.5/56

Out: 269.012+/-0.031 χ^2/NDF:3402715.1/61

All: 269.830+/-0.022 χ^2/NDF: 5808515.2/118



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: 4075.574+/-726.926 χ^2/NDF: 72.7/36

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

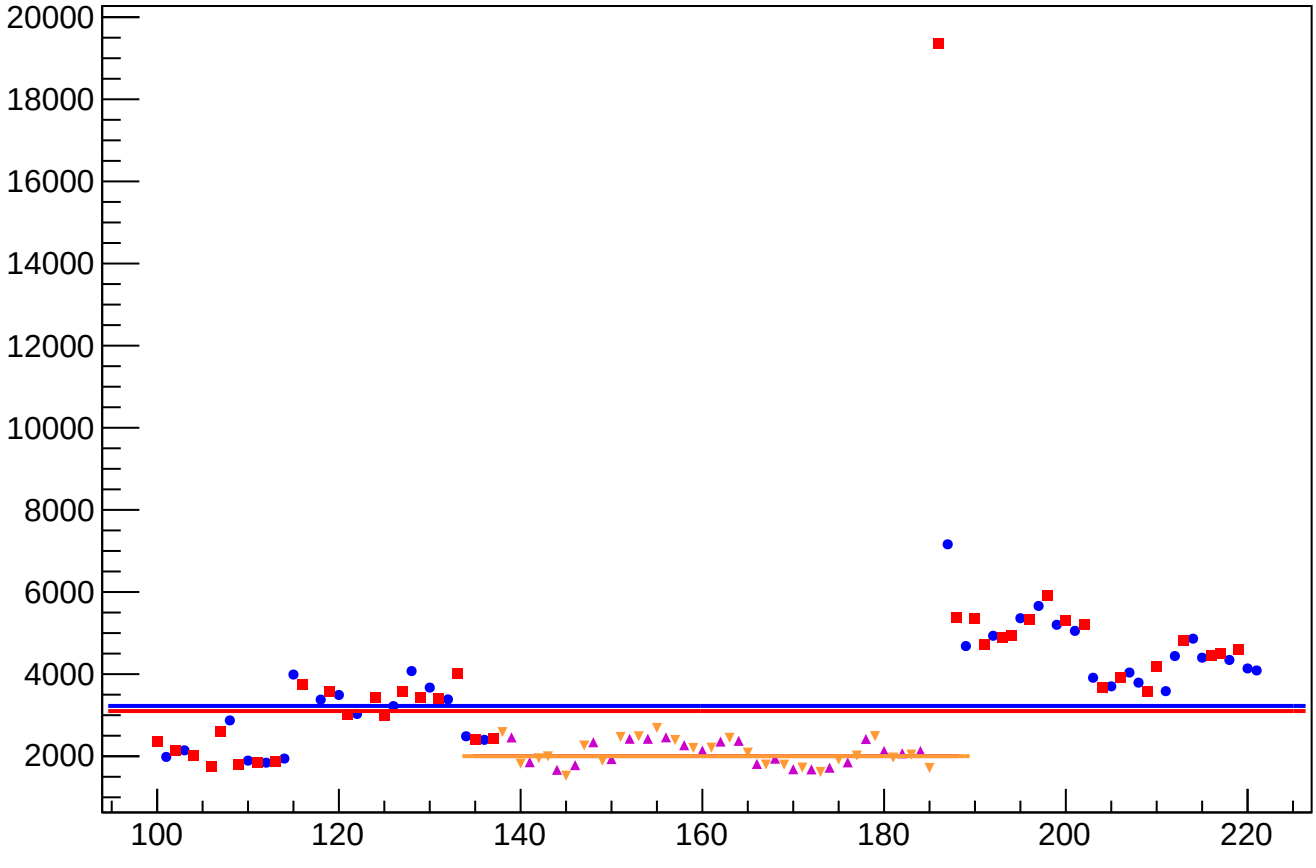
Right: 589.322+/-514.633 χ^2/NDF: 178.0/70

In: -646.130+/-397.384 χ^2/NDF:96.5/56

Out: -376.307+/-389.704 χ^2/NDF:180.9/61

All: -508.586+/-278.238 χ^2/NDF: 277.7/118

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: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

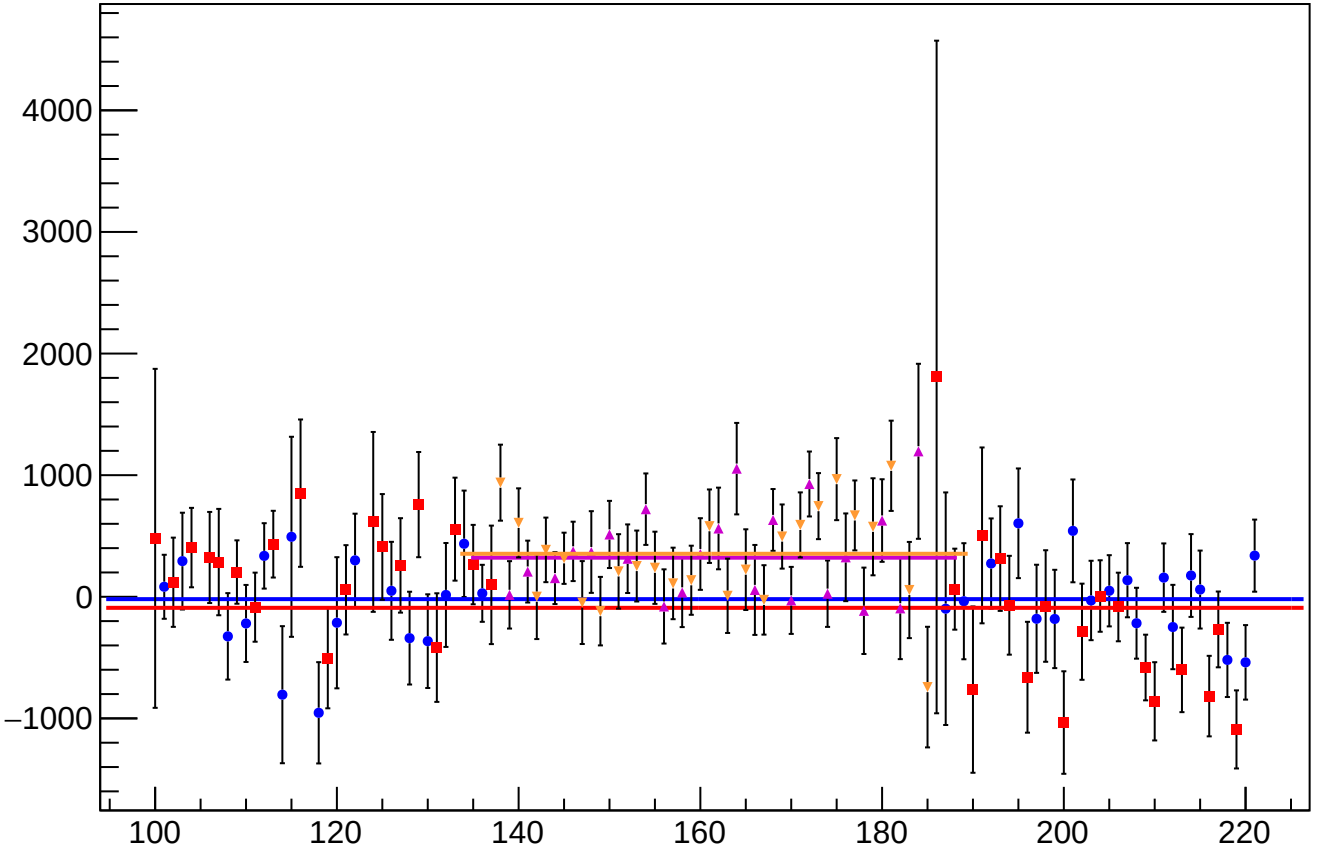
Right: 3163.111+/-0.364 χ^2/NDF: 11006980.8/70

In: 2367.408+/-0.281 χ^2/NDF:9329439.8/56

Out: 2318.064+/-0.276 χ^2/NDF:10449370.8/61

All: 2342.255+/-0.197 χ^2/NDF: 19794530.0/1

eigen_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: -90.815+/-61.952 χ^2/NDF: 60.5/36

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

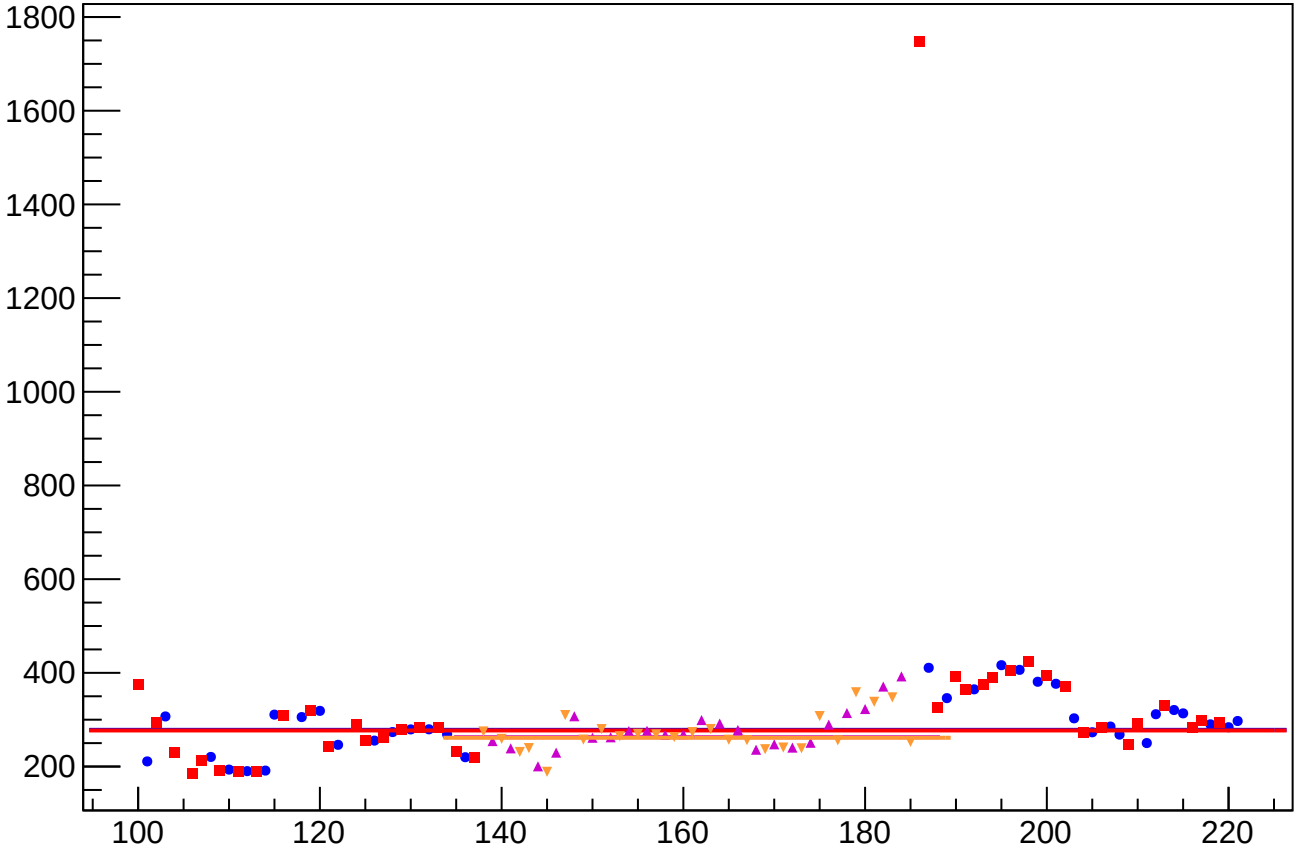
Right: -54.314+/-43.337 χ^2/NDF: 89.3/70

In: 147.009+/-43.392 χ^2/NDF:69.8/56

Out: 137.974+/-43.155 χ^2/NDF:119.3/61

All: 142.467+/-30.599 χ^2/NDF: 189.1/118

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: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

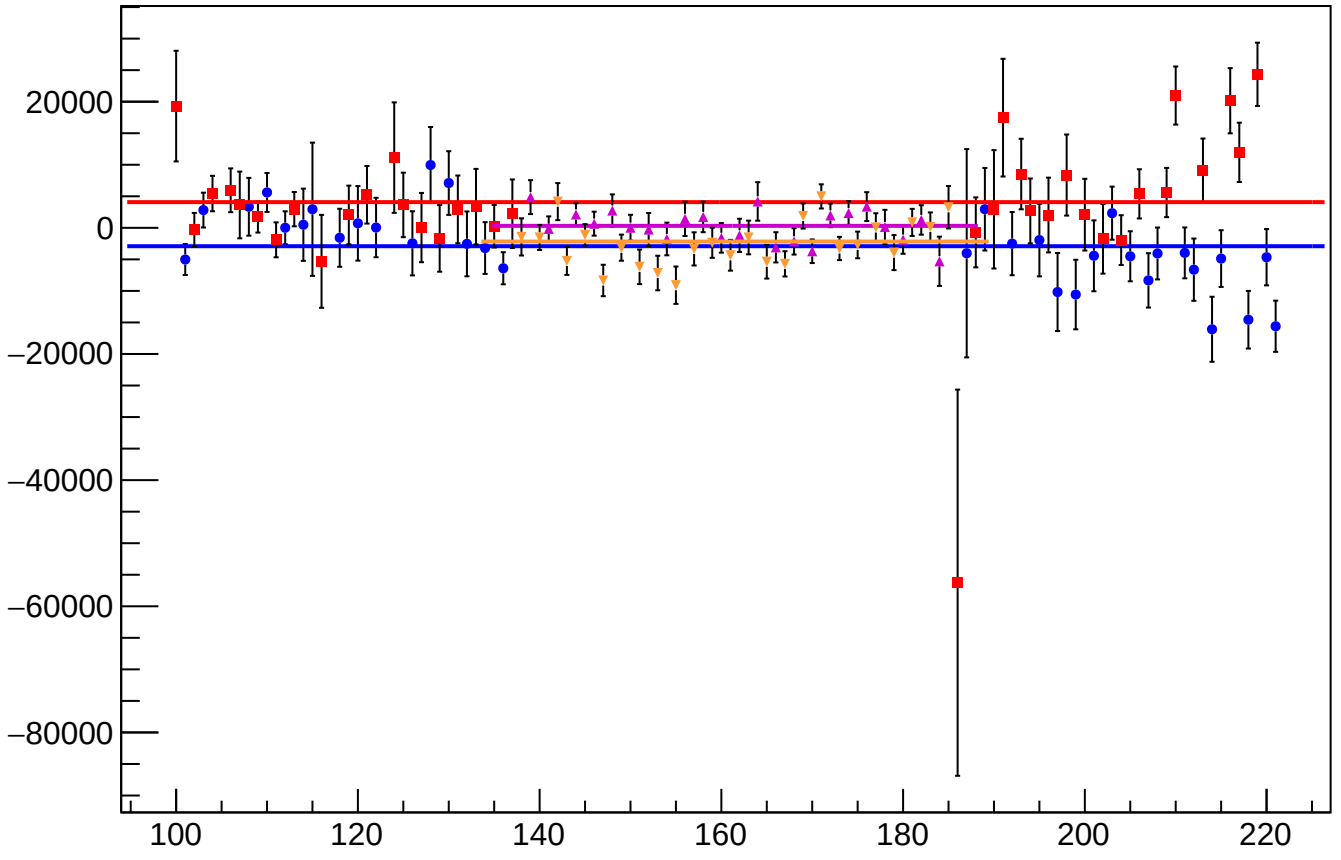
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.682+/-0.031 χ^2/NDF: 4291126.9/70

In: 270.658+/-0.031 χ^2/NDF:2404352.5/56

Out: 269.012+/-0.031 χ^2/NDF:3402715.1/61

All: 269.830+/-0.022 χ^2/NDF: 5808515.2/118



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: 4075.574+/-726.926 χ^2/NDF: 72.7/36

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

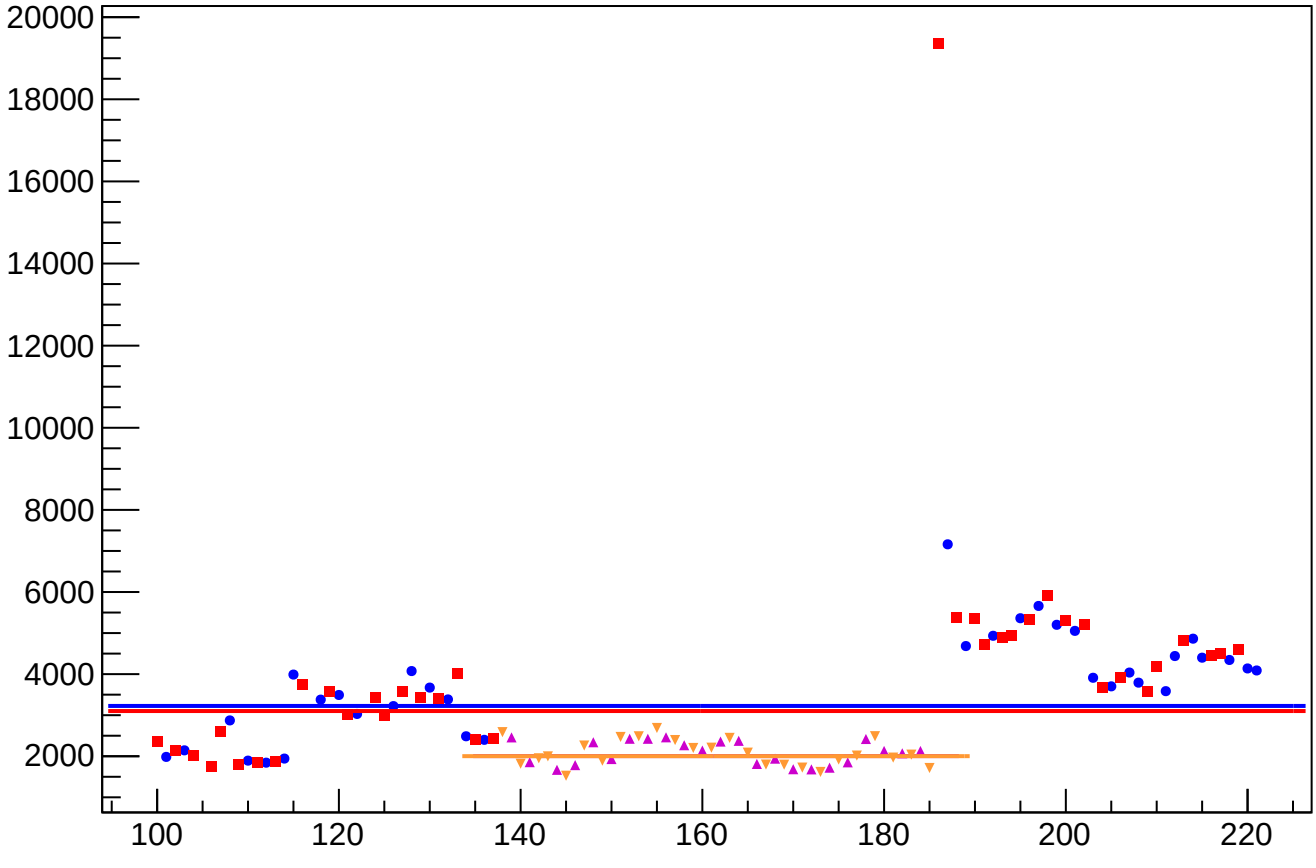
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 589.322+/-514.633 χ^2/NDF: 178.0/70

In: -646.130+/-397.384 χ^2/NDF:96.5/56

Out: -376.307+/-389.704 χ^2/NDF:180.9/61

All: -508.586+/-278.238 χ^2/NDF: 277.7/118



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: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

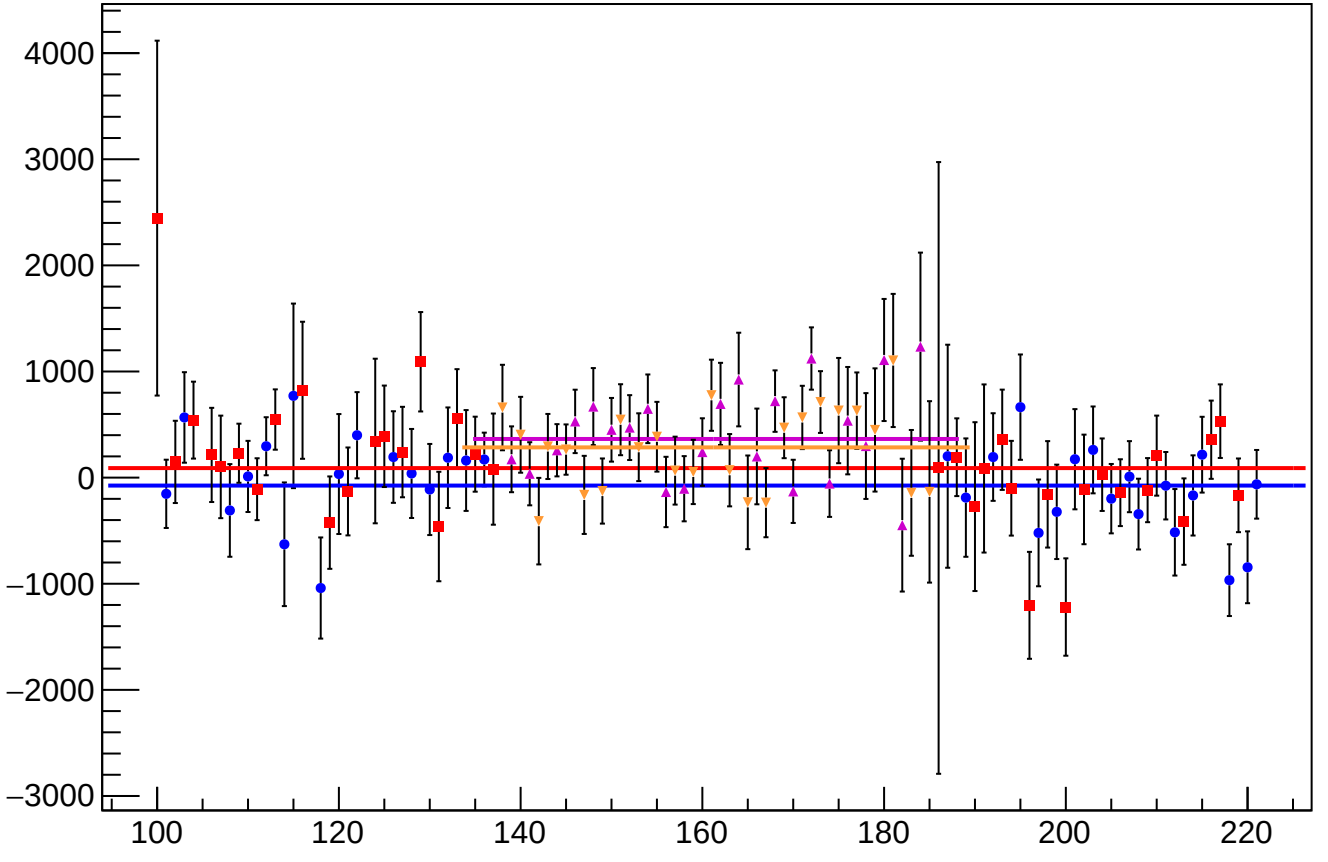
Right: 3163.111+/-0.364 χ^2/NDF: 11006980.8/70

In: 2367.408+/-0.281 χ^2/NDF:9329439.8/56

Out: 2318.064+/-0.276 χ^2/NDF:10449370.8/61

All: 2342.255+/-0.197 χ^2/NDF: 19794530.0/

dit_asym_sam4_mean vs Slug, Sign Corrected



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: 89.703+/-68.361 χ^2/NDF: 38.7/36

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

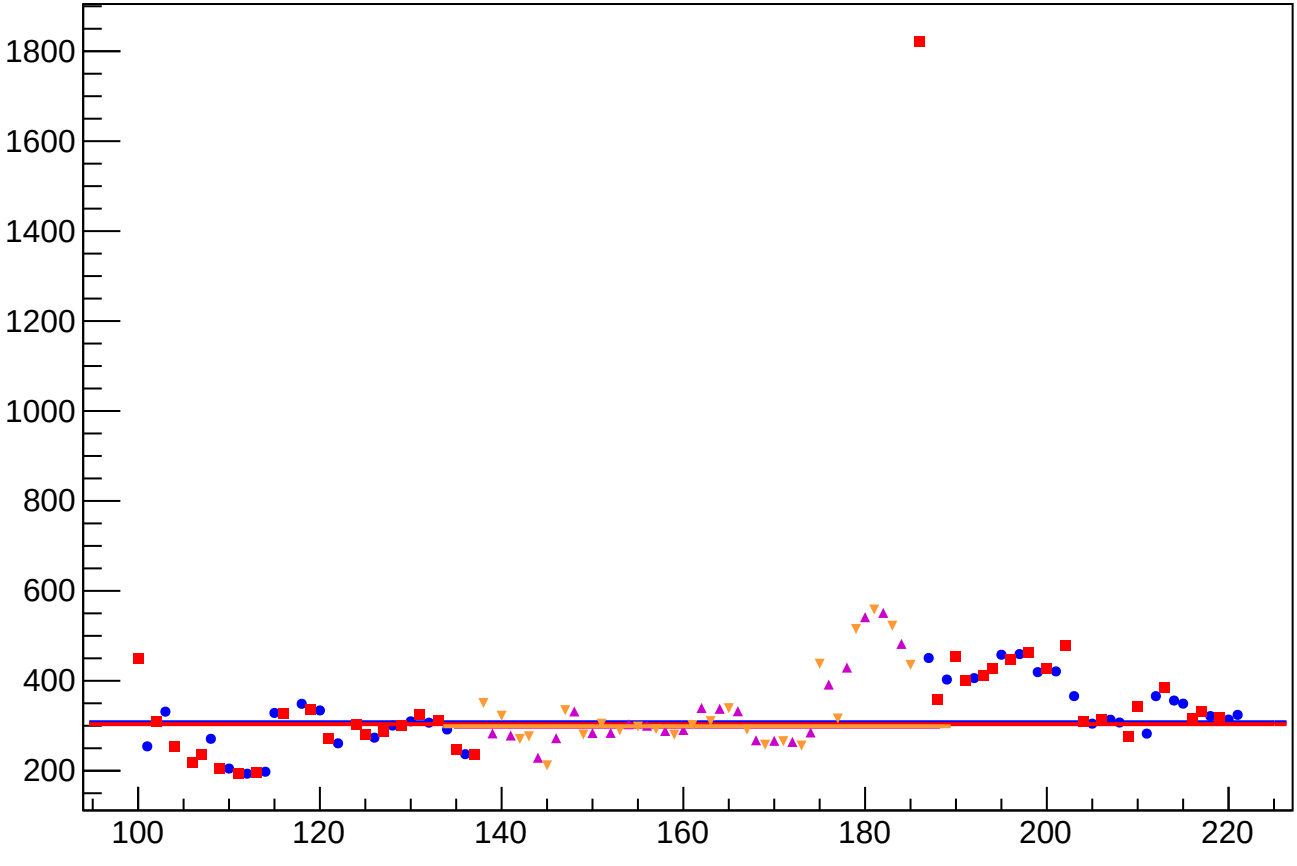
Right: 6.188+/-47.995 χ^2/NDF: 75.1/70

In: 130.976+/-49.113 χ^2/NDF:81.6/56

Out: 184.946+/-48.920 χ^2/NDF:65.5/61

All: 158.067+/-34.660 χ^2/NDF: 147.7/118

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: 303.589+/-0.048 χ^2/NDF: 2955513.3/36

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

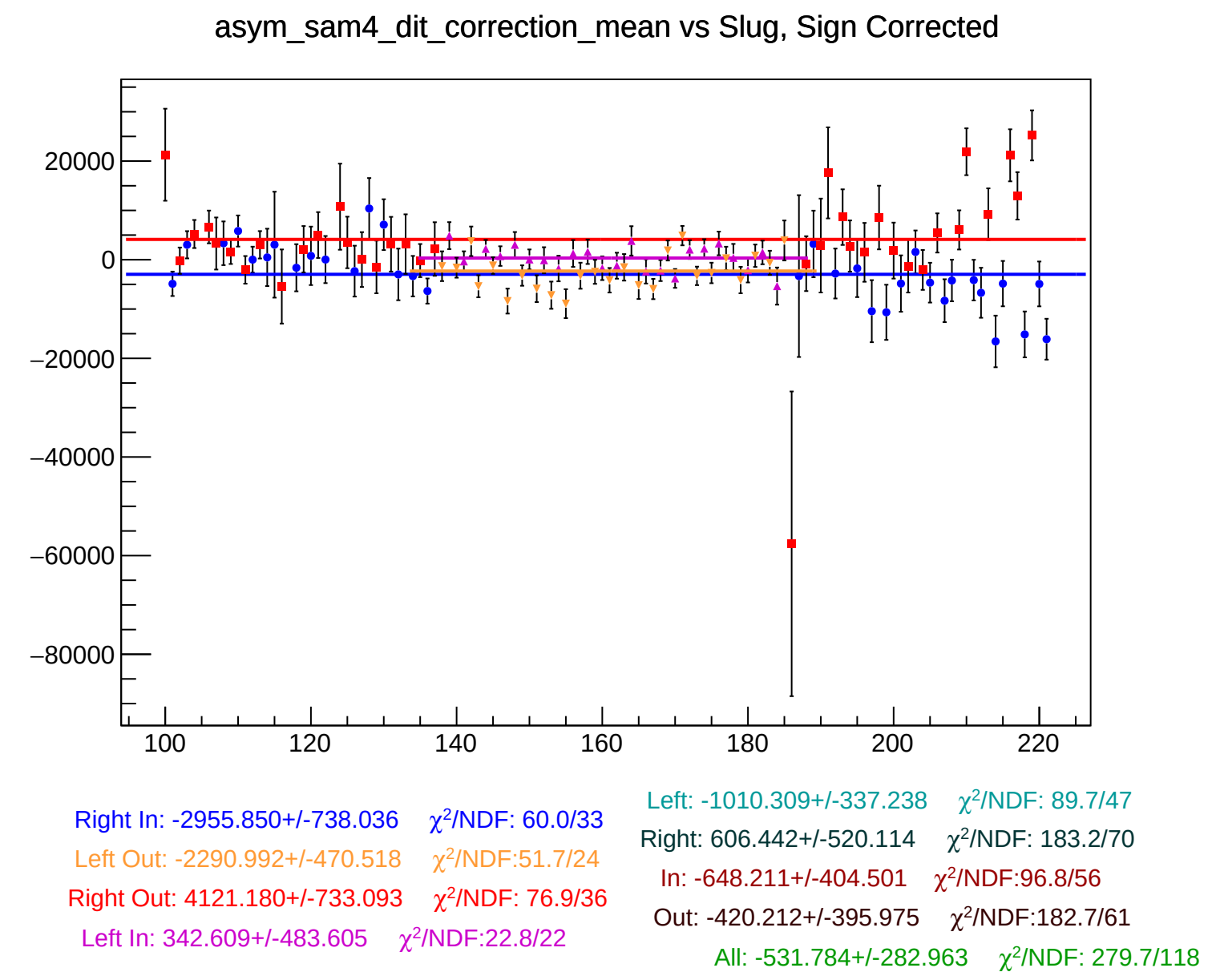
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

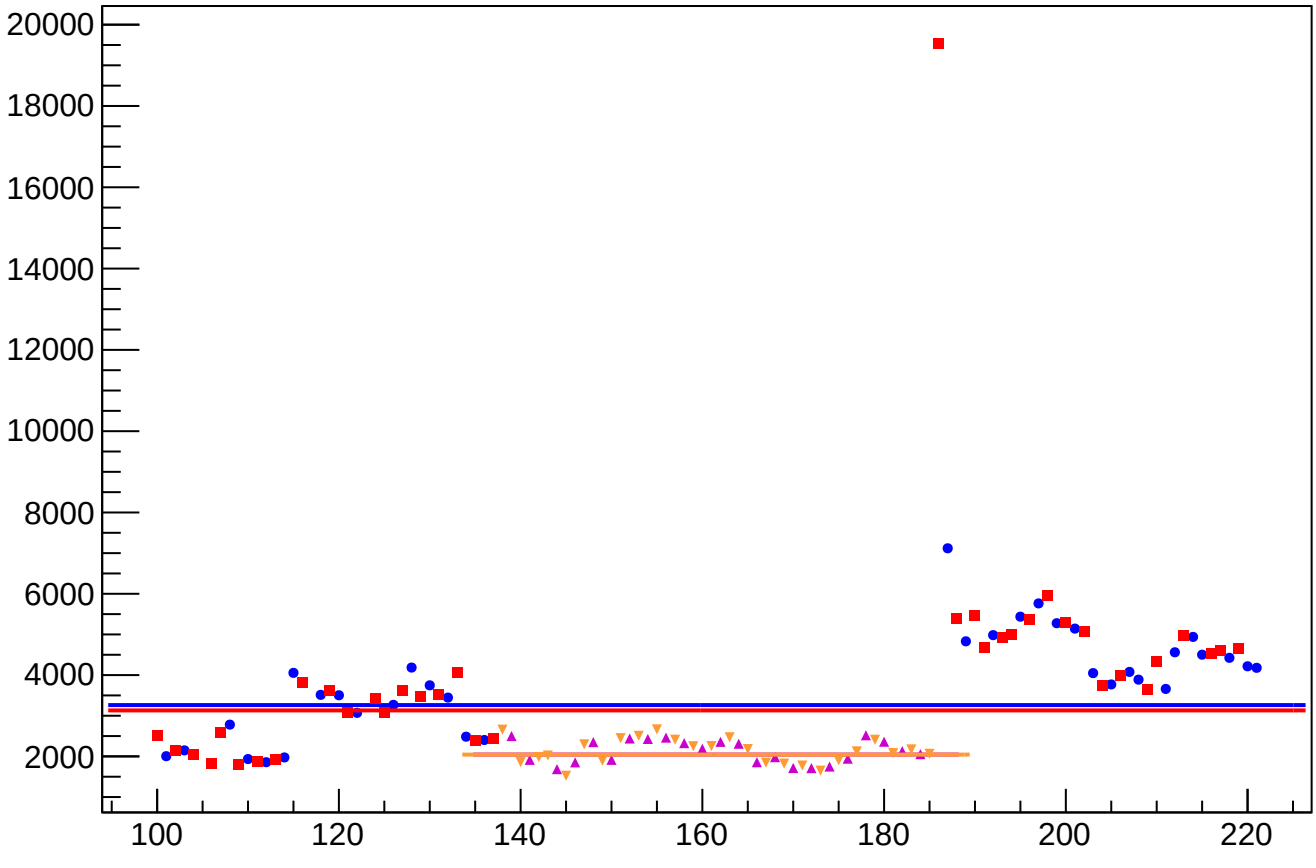
Right: 305.733+/-0.034 χ^2/NDF: 4841935.9/70

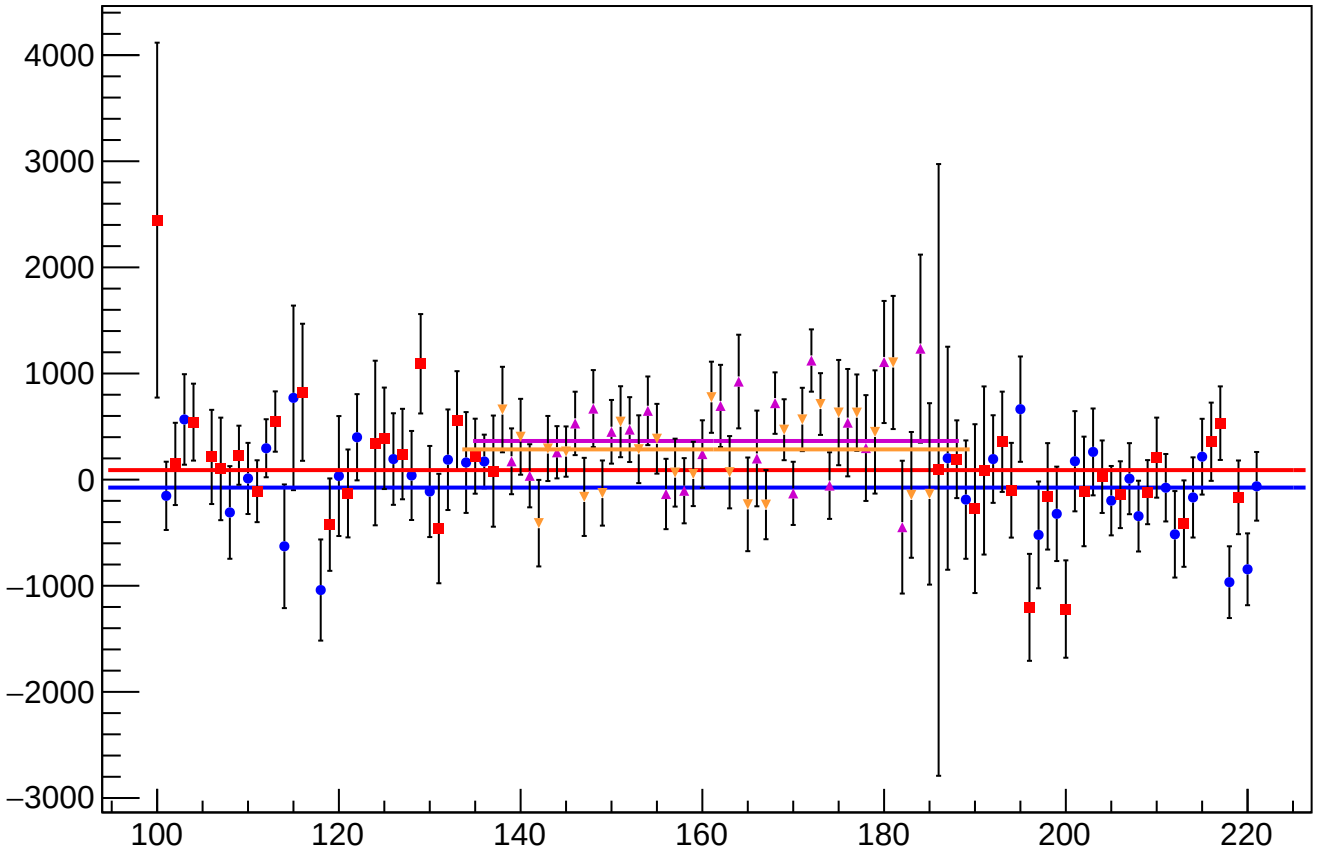
In: 303.159+/-0.035 χ^2/NDF:3221973.2/56

Out: 301.320+/-0.035 χ^2/NDF:4573106.7/61

All: 302.236+/-0.025 χ^2/NDF: 7796488.0/118


asym_sam4_dit_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -2955.850+/-738.036 χ²/NDF: 60.0/33
Left Out: -2290.992+/-470.518 χ²/NDF:51.7/24
Right Out: 4121.180+/-733.093 χ²/NDF: 76.9/36
Left In: 342.609+/-483.605 χ²/NDF:22.8/22
Left: -1010.309+/-337.238 χ²/NDF: 89.7/47
Right: 606.442+/-520.114 χ²/NDF: 183.2/70
In: -648.211+/-404.501 χ²/NDF:96.8/56
Out: -420.212+/-395.975 χ²/NDF:182.7/61
All: -531.784+/-282.963 χ²/NDF: 279.7/118


asym_sam4_dit_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: 3262.103+/-0.522 χ²/NDF: 4818828.8/33
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 3131.322+/-0.518 χ²/NDF: 6323659.8/36
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 3196.273+/-0.368 χ²/NDF: 11174100.2/70
In: 2410.729+/-0.286 χ²/NDF:9313217.7/56
Out: 2361.051+/-0.280 χ²/NDF:10294614.0/61
All: 2385.361+/-0.200 χ²/NDF: 19623236.1/1



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: 89.696+/-68.361 χ^2/NDF: 38.7/36

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

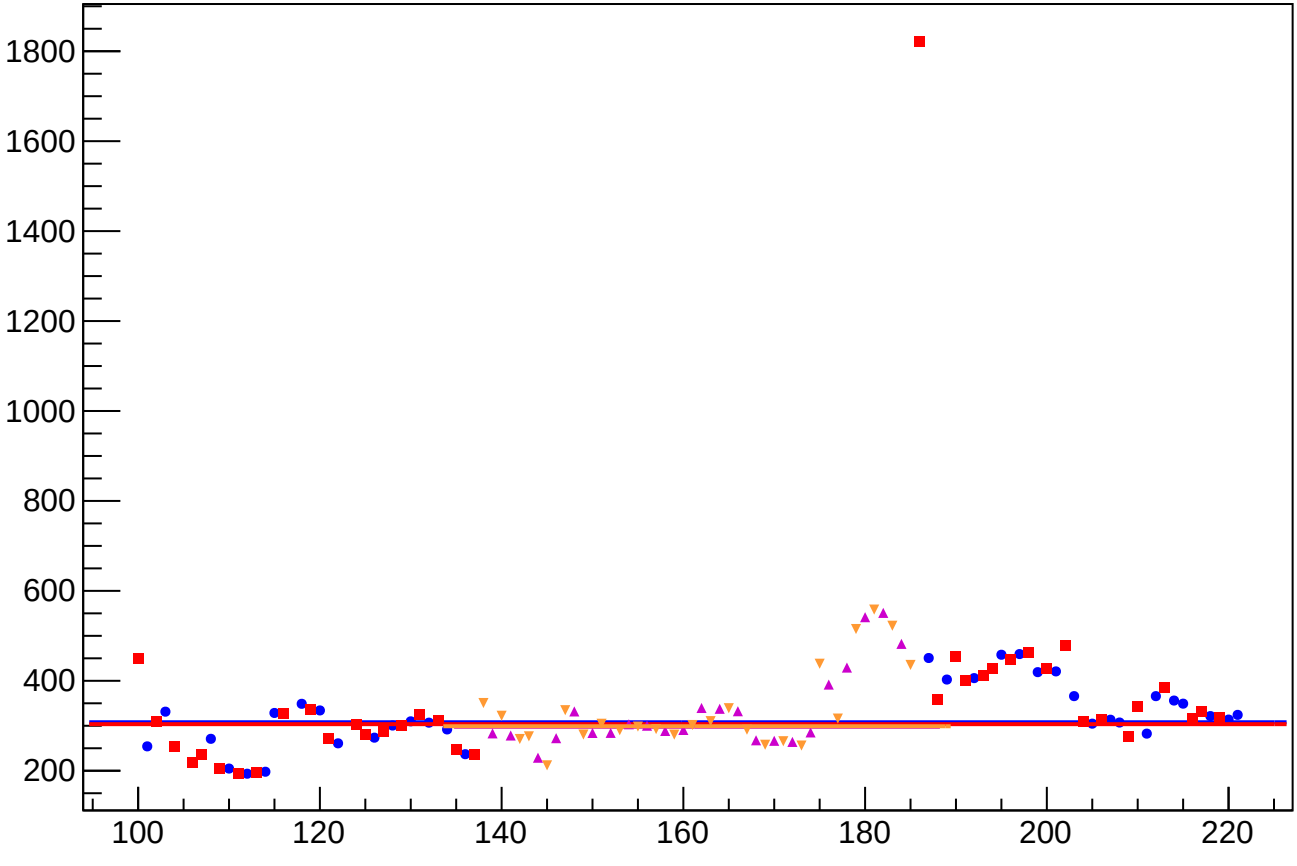
Right: 6.188+/-47.995 χ^2/NDF: 75.1/70

In: 130.980+/-49.113 χ^2/NDF:81.6/56

Out: 184.944+/-48.920 χ^2/NDF:65.5/61

All: 158.068+/-34.660 χ^2/NDF: 147.7/118

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: 303.588+/-0.048 χ^2/NDF: 2955514.0/36

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

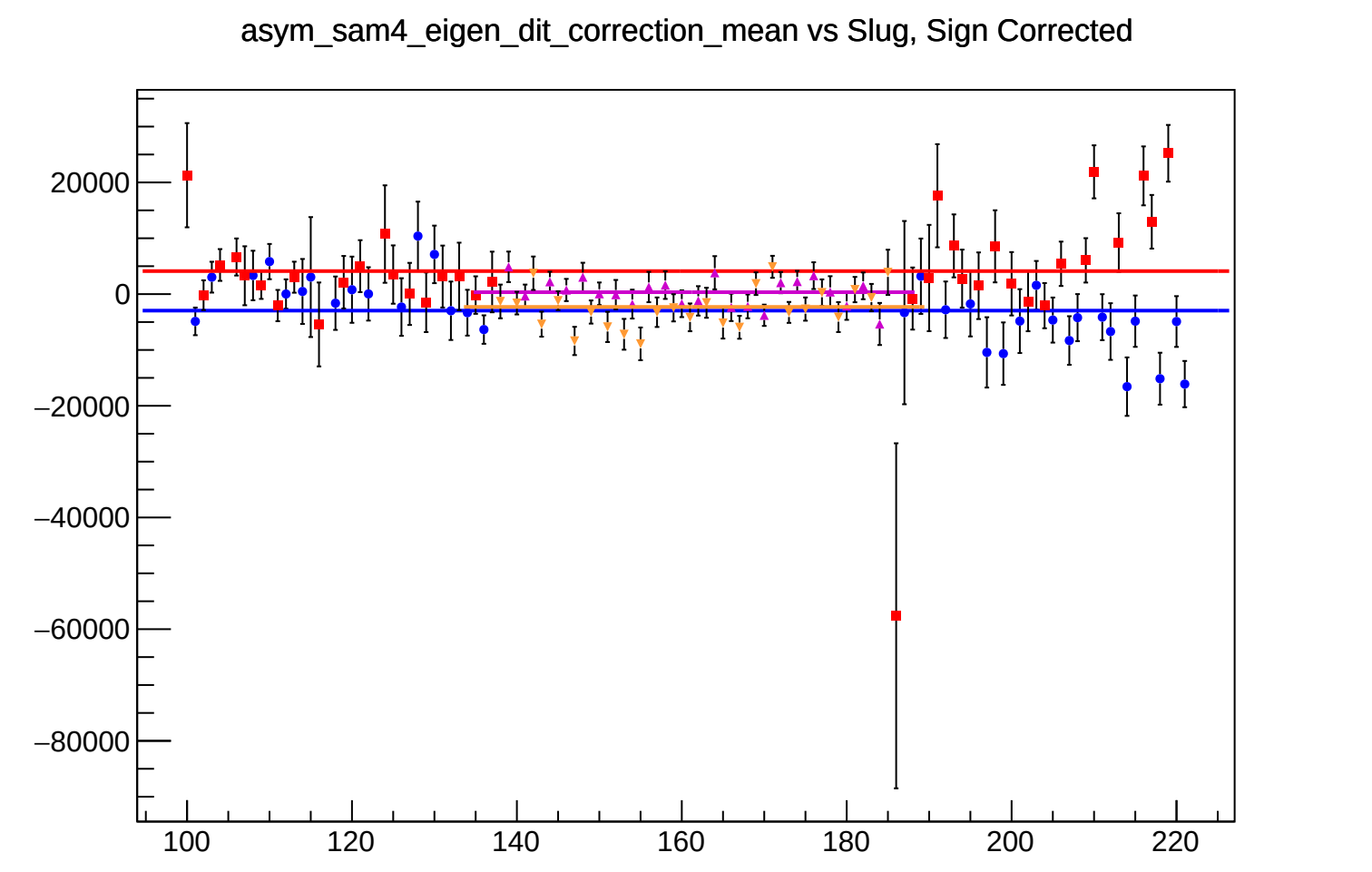
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 305.733+/-0.034 χ^2/NDF: 4841914.6/70

In: 303.159+/-0.035 χ^2/NDF:3221930.9/56

Out: 301.320+/-0.035 χ^2/NDF:4573103.9/61

All: 302.236+/-0.025 χ^2/NDF: 7796442.7/118



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: 4121.175+/-733.092 χ^2/NDF: 76.9/36

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

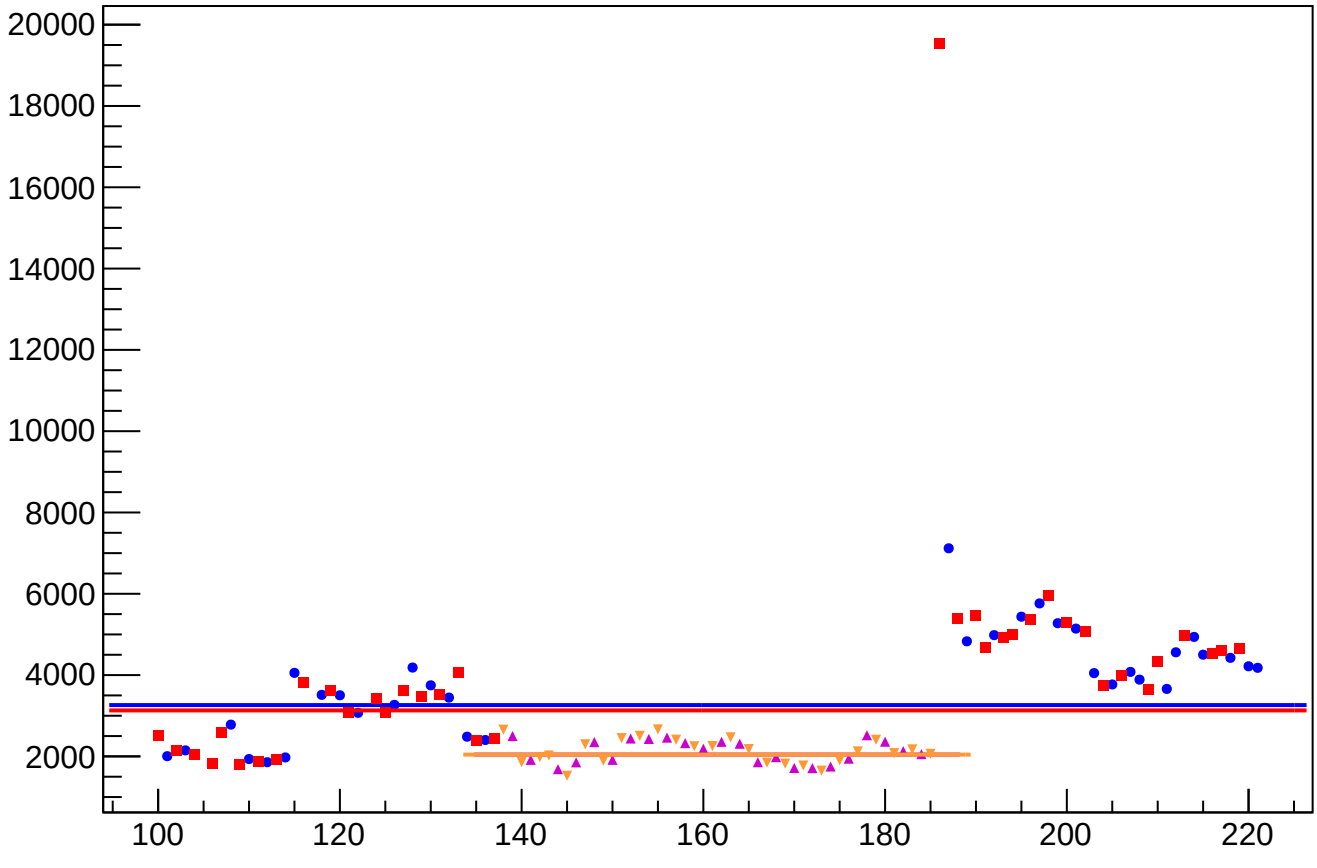
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 606.440+/-520.113 χ^2/NDF: 183.2/70

In: -648.212+/-404.500 χ^2/NDF:96.8/56

Out: -420.212+/-395.974 χ^2/NDF:182.7/61

All: -531.783+/-282.962 χ^2/NDF: 279.7/118



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: 3131.319+/-0.518 χ^2/NDF: 6323654.8/36

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

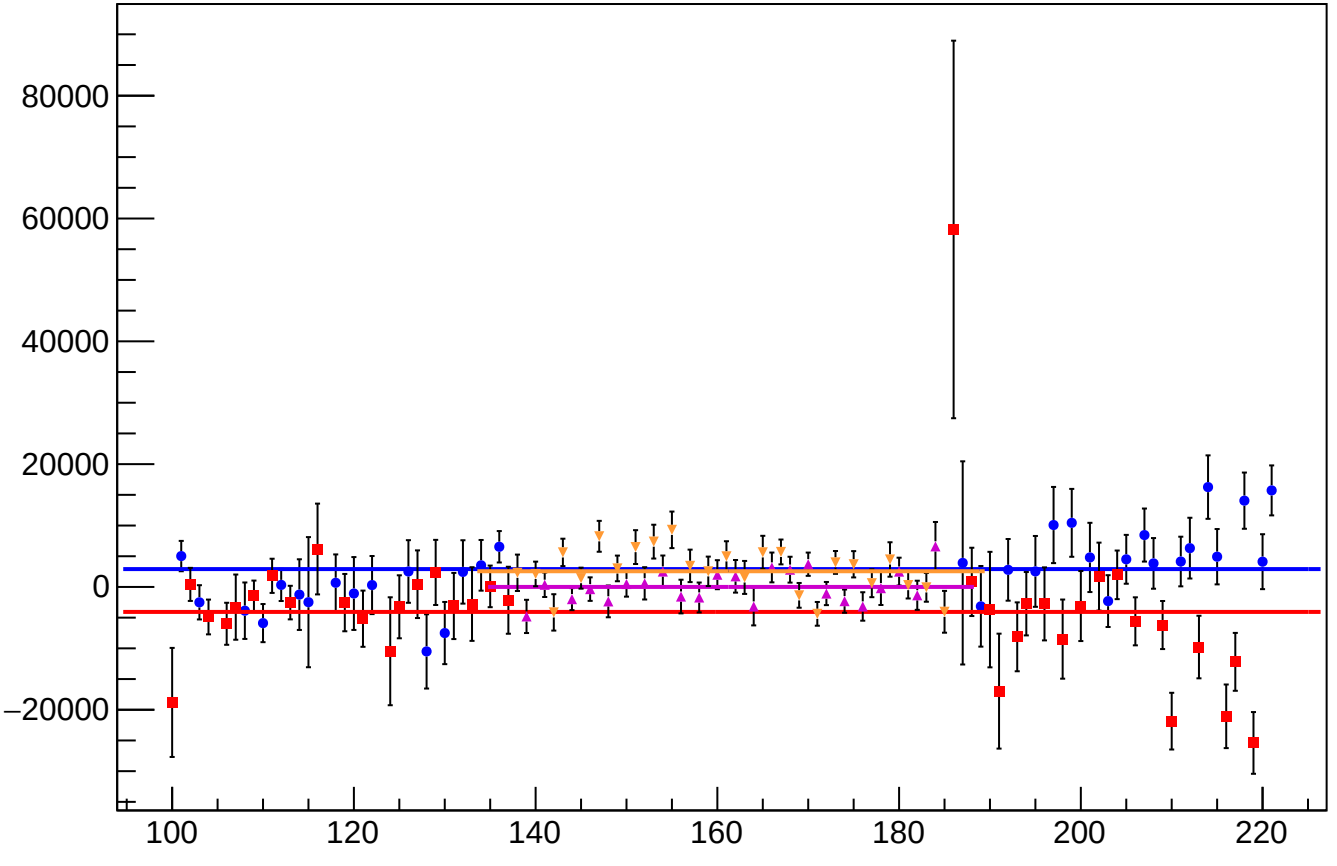
Right: 3196.271+/-0.368 χ^2/NDF: 11174089.7/70

In: 2410.726+/-0.286 χ^2/NDF:9313220.7/56

Out: 2361.048+/-0.280 χ^2/NDF:10294622.1/61

All: 2385.358+/-0.200 χ^2/NDF: 19623247.4/

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: -4066.026+/-729.621 χ^2/NDF: 78.0/36

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

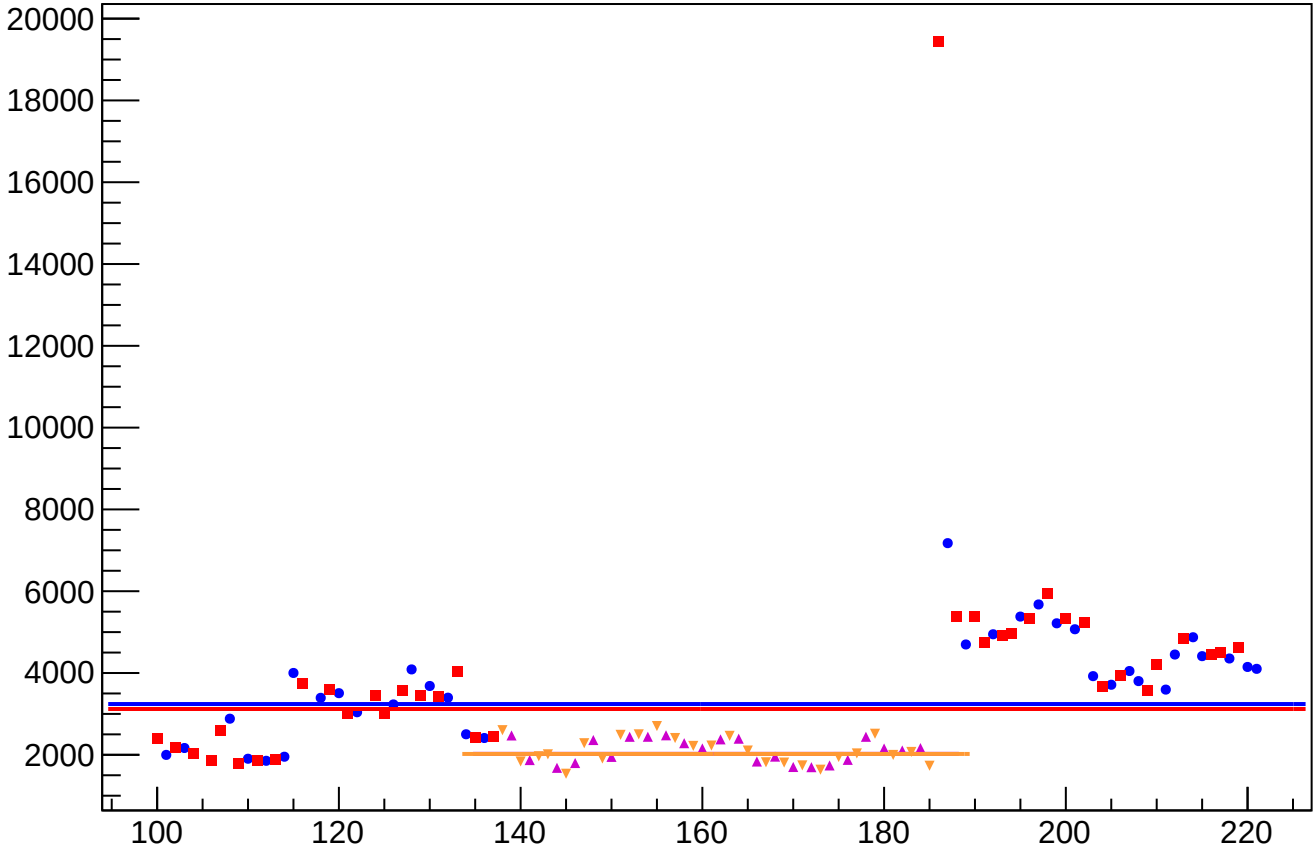
Right: -589.301+/-516.717 χ^2/NDF: 183.1/70

In: 873.564+/-400.507 χ^2/NDF:95.3/56

Out: 639.870+/-392.699 χ^2/NDF:189.2/61

All: 754.417+/-280.400 χ^2/NDF: 284.6/118

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: 3120.108+/-0.516 χ^2/NDF: 6215771.5/36

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

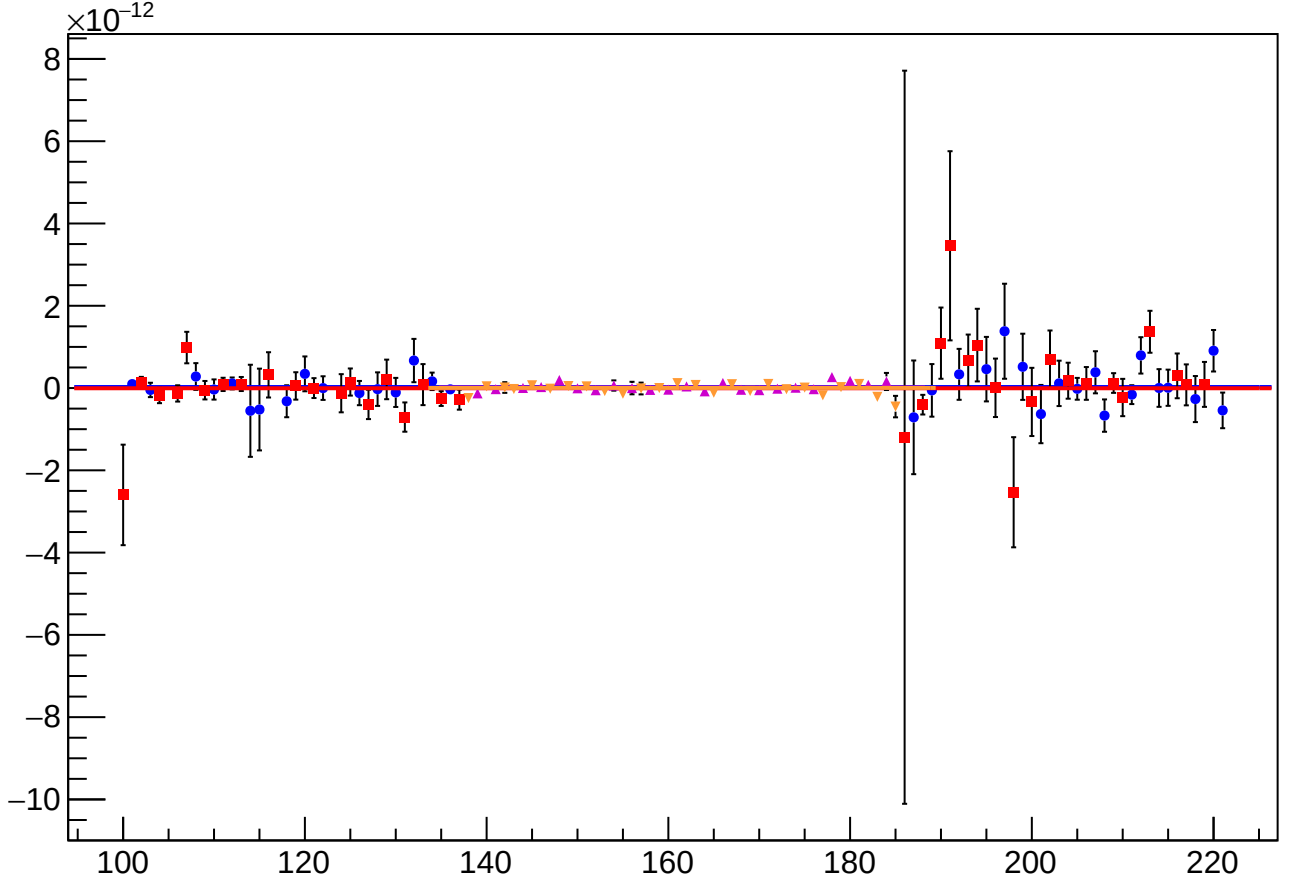
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3180.533+/-0.365 χ^2/NDF: 10879334.1/70

In: 2388.042+/-0.283 χ^2/NDF:9212811.8/56

Out: 2339.583+/-0.278 χ^2/NDF:10319377.9/61

All: 2363.335+/-0.198 χ^2/NDF: 19547117.4/



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: 45.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

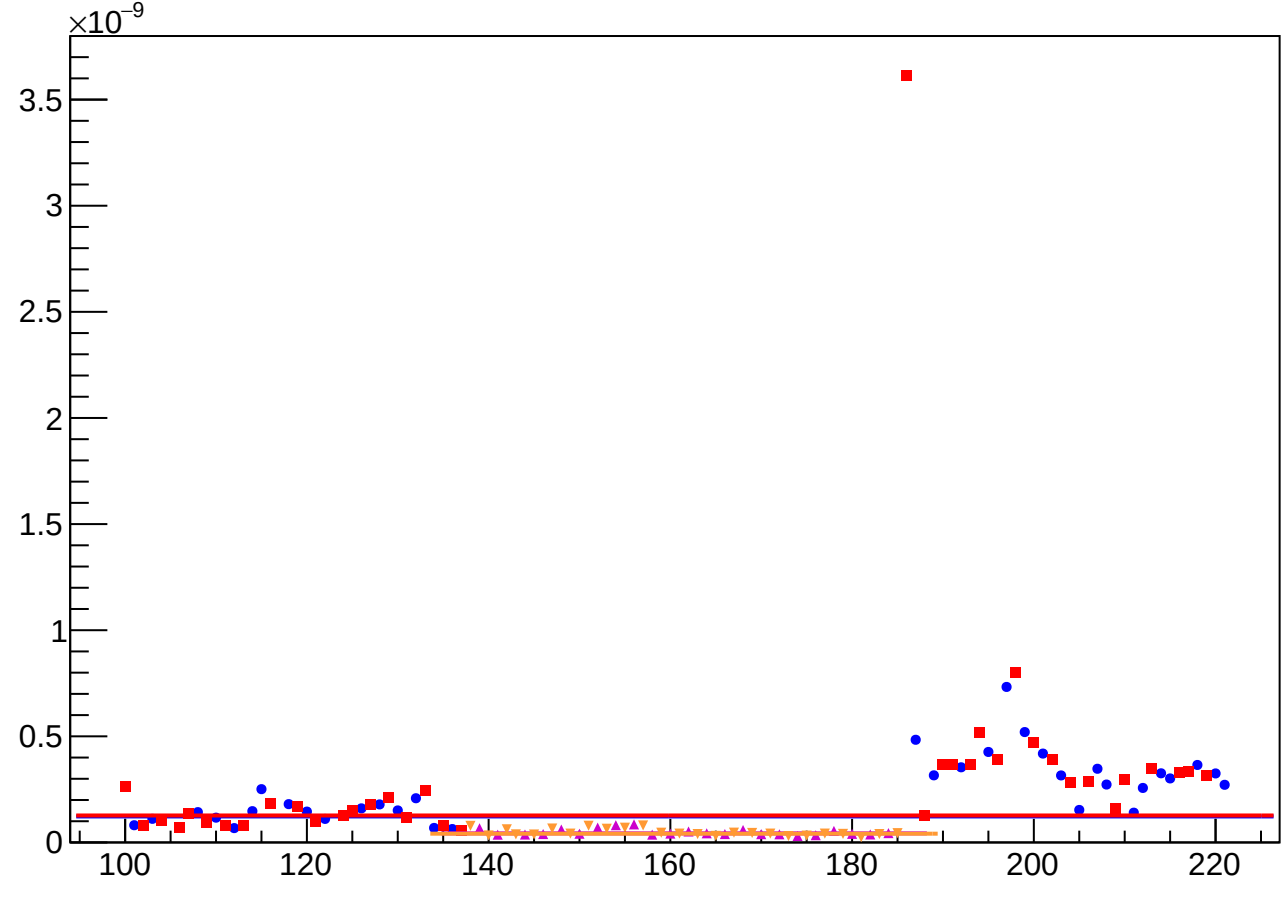
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 67.9/70

In: 0.000+/-0.000 χ^2/NDF:42.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.8/61

All: 0.000+/-0.000 χ^2/NDF: 121.0/118



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: 6155754.5/36

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

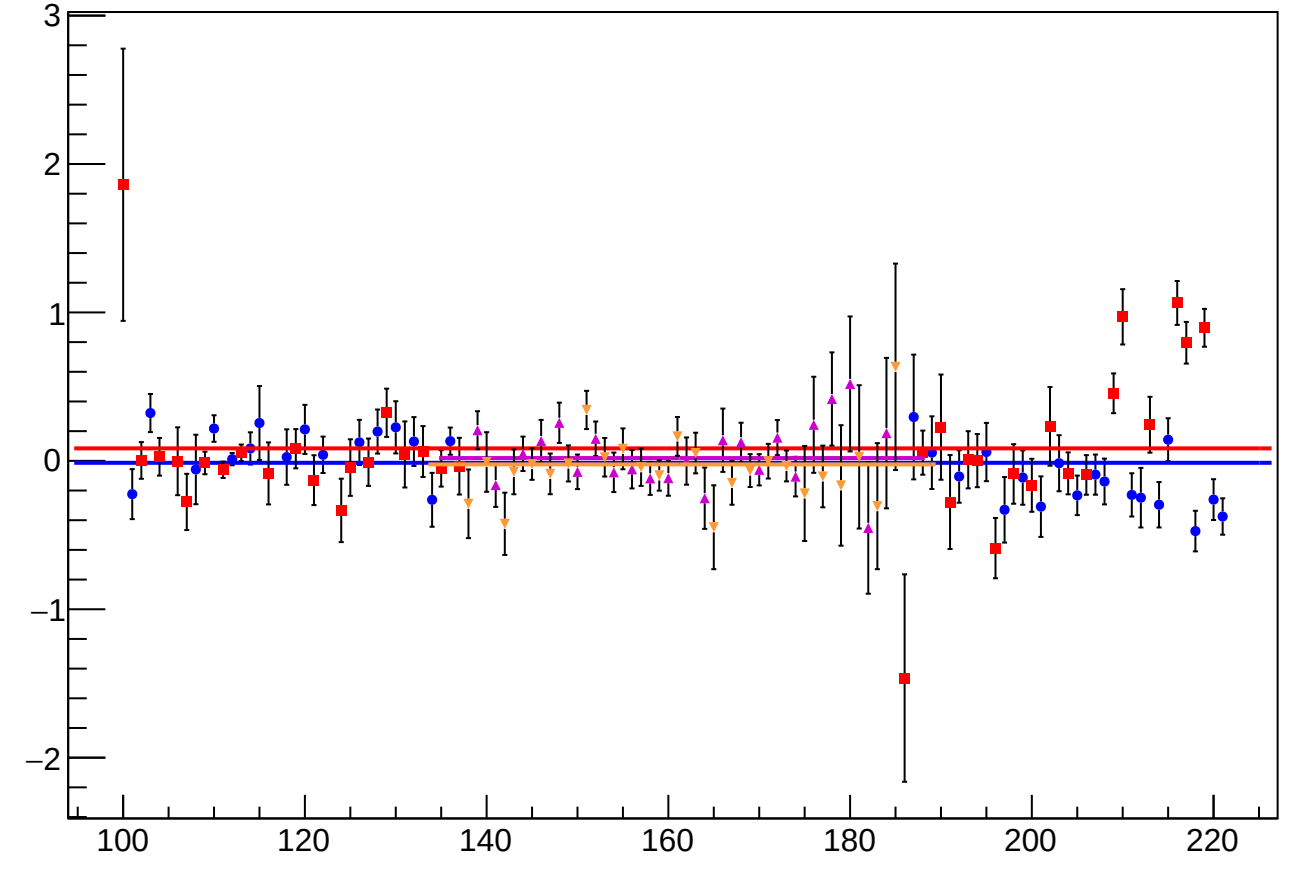
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12941467.7/70

In: 0.000+/-0.000 χ^2/NDF:12735942.3/56

Out: 0.000+/-0.000 χ^2/NDF:12707446.4/61

All: 0.000+/-0.000 χ^2/NDF: 25479608.1/118



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: 0.084+/-0.022 χ^2/NDF: 192.9/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

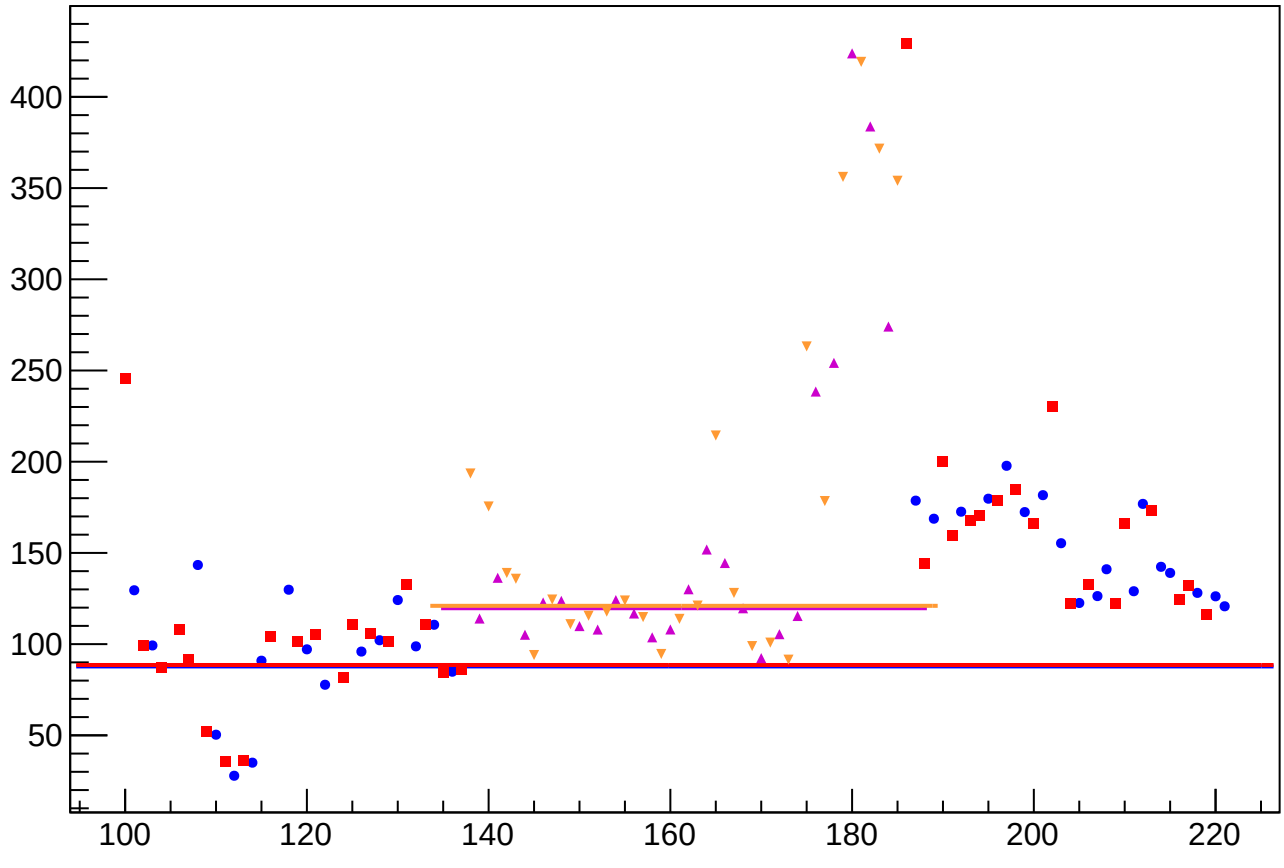
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.035+/-0.016 χ^2/NDF: 272.4/70

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.021+/-0.013 χ^2/NDF: 320.6/118



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: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

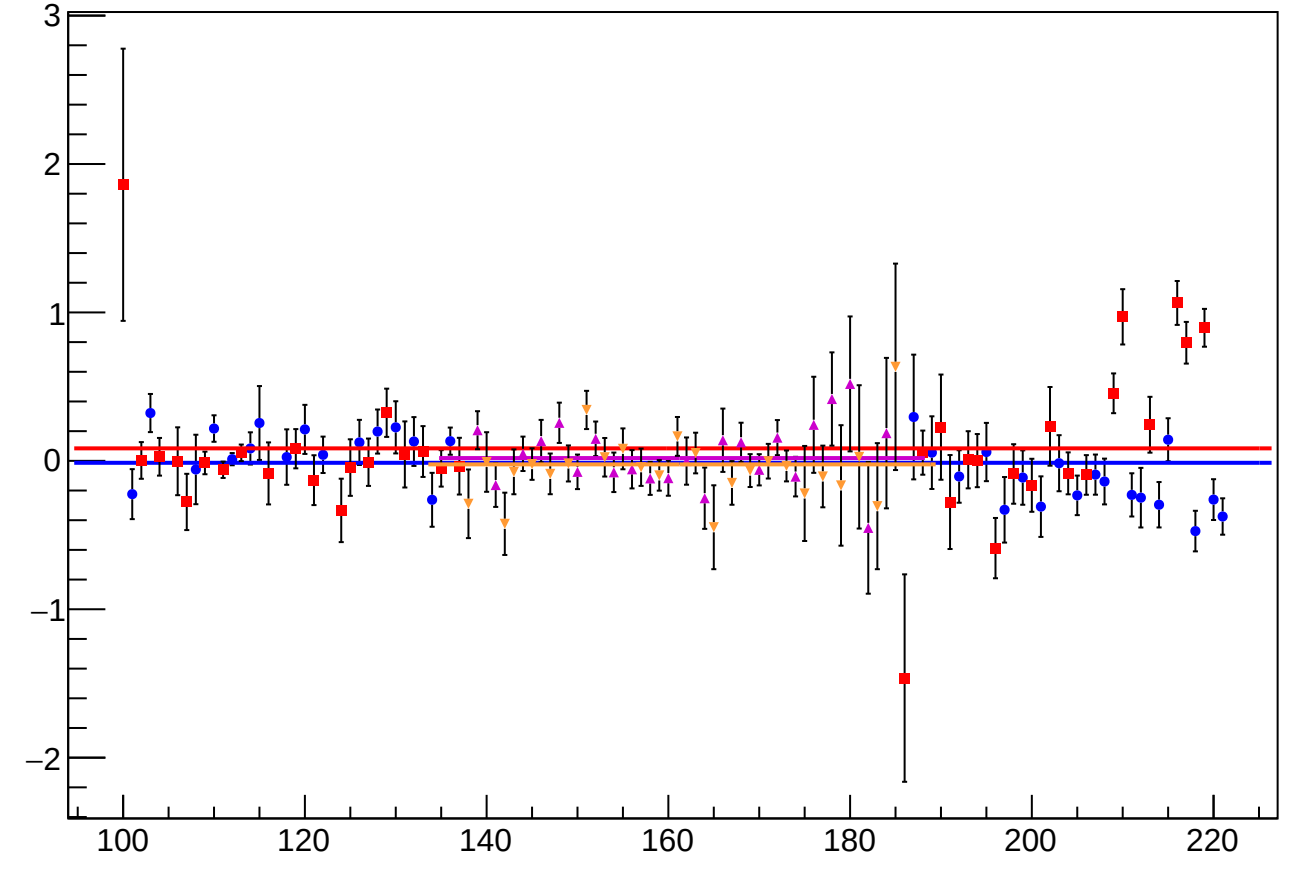
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 88.165+/-0.011 χ^2/NDF: 20100553.2/70

In: 98.911+/-0.013 χ^2/NDF:14766824.7/56

Out: 100.257+/-0.013 χ^2/NDF:15221245.2/61

All: 99.580+/-0.009 χ^2/NDF: 29993725.8/118



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: 0.084+/-0.022 χ^2/NDF: 192.9/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

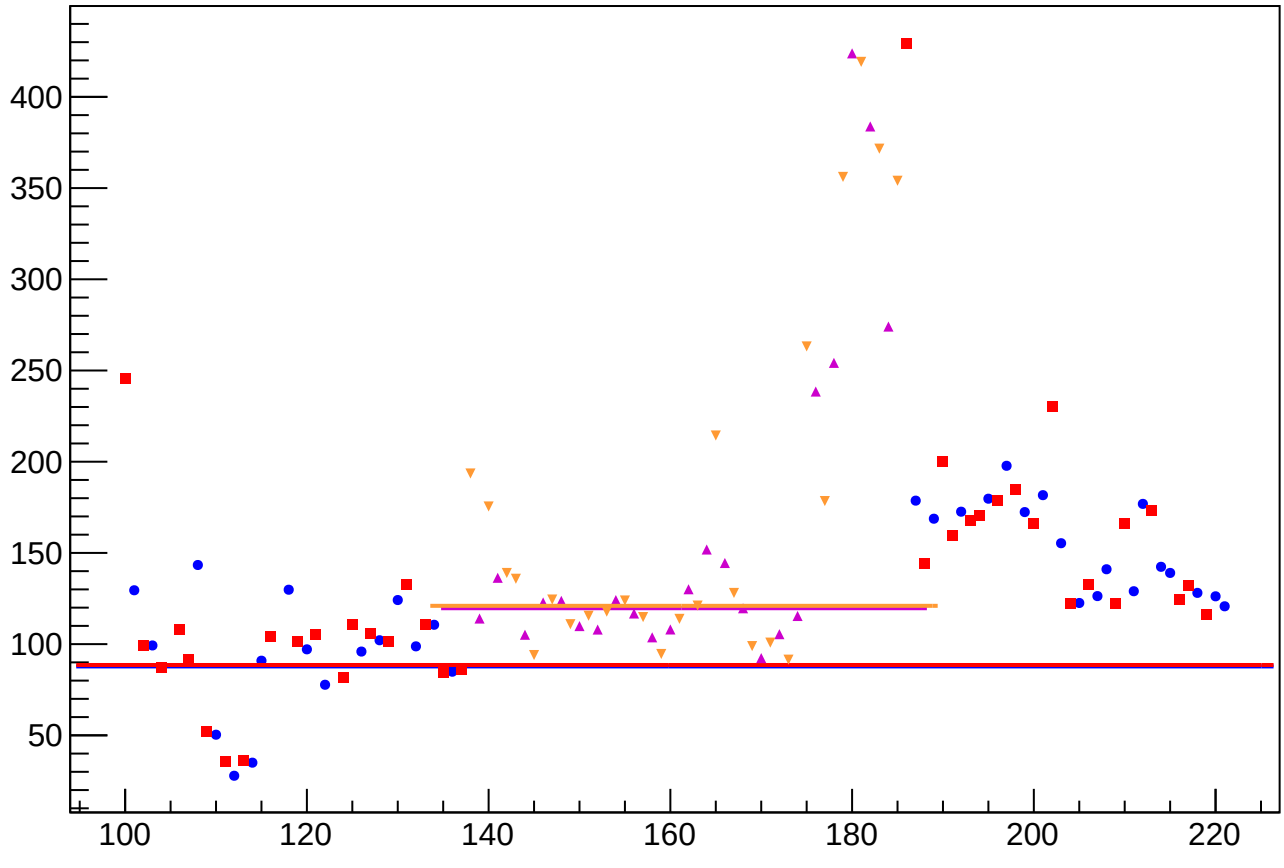
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.035+/-0.016 χ^2/NDF: 272.4/70

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.021+/-0.013 χ^2/NDF: 320.6/118



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: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

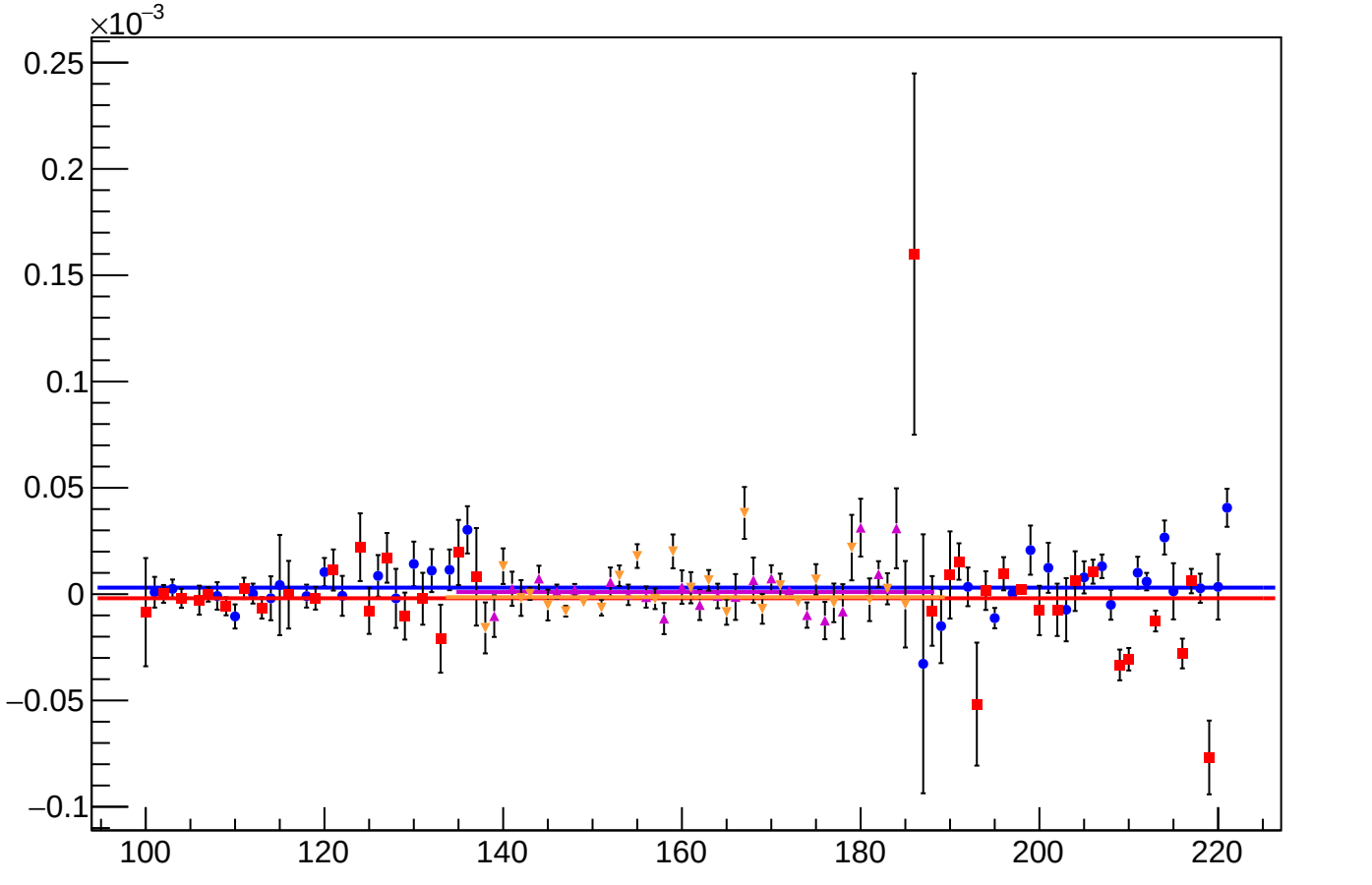
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 88.165+/-0.011 χ^2/NDF: 20100553.2/70

In: 98.911+/-0.013 χ^2/NDF:14766824.7/56

Out: 100.257+/-0.013 χ^2/NDF:15221245.2/61

All: 99.580+/-0.009 χ^2/NDF: 29993725.8/118



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: 127.2/36

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

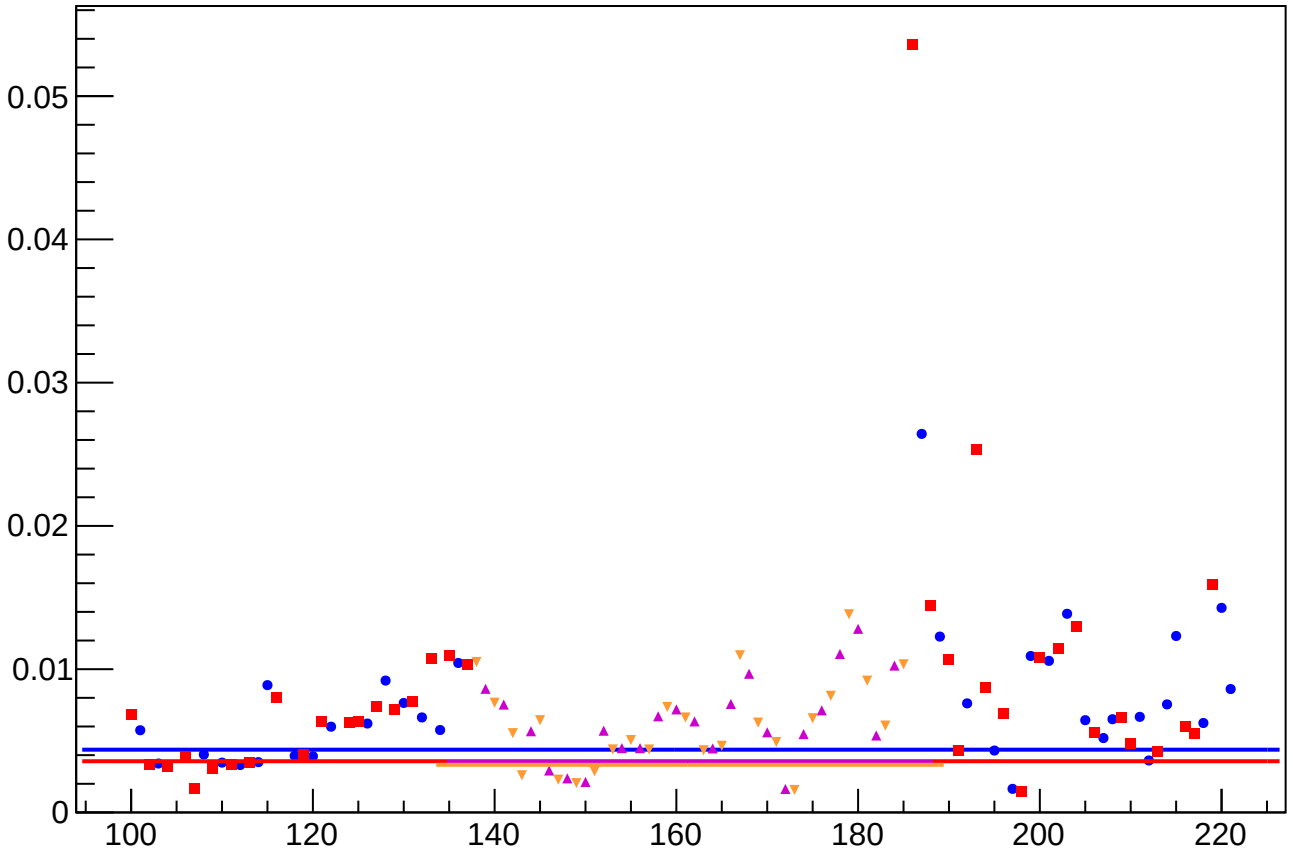
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 204.3/70

In: 0.000+/-0.000 χ^2/NDF:92.1/56

Out: -0.000+/-0.000 χ^2/NDF:187.8/61

All: -0.000+/-0.000 χ^2/NDF: 292.8/118



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: 14817881.3/36

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

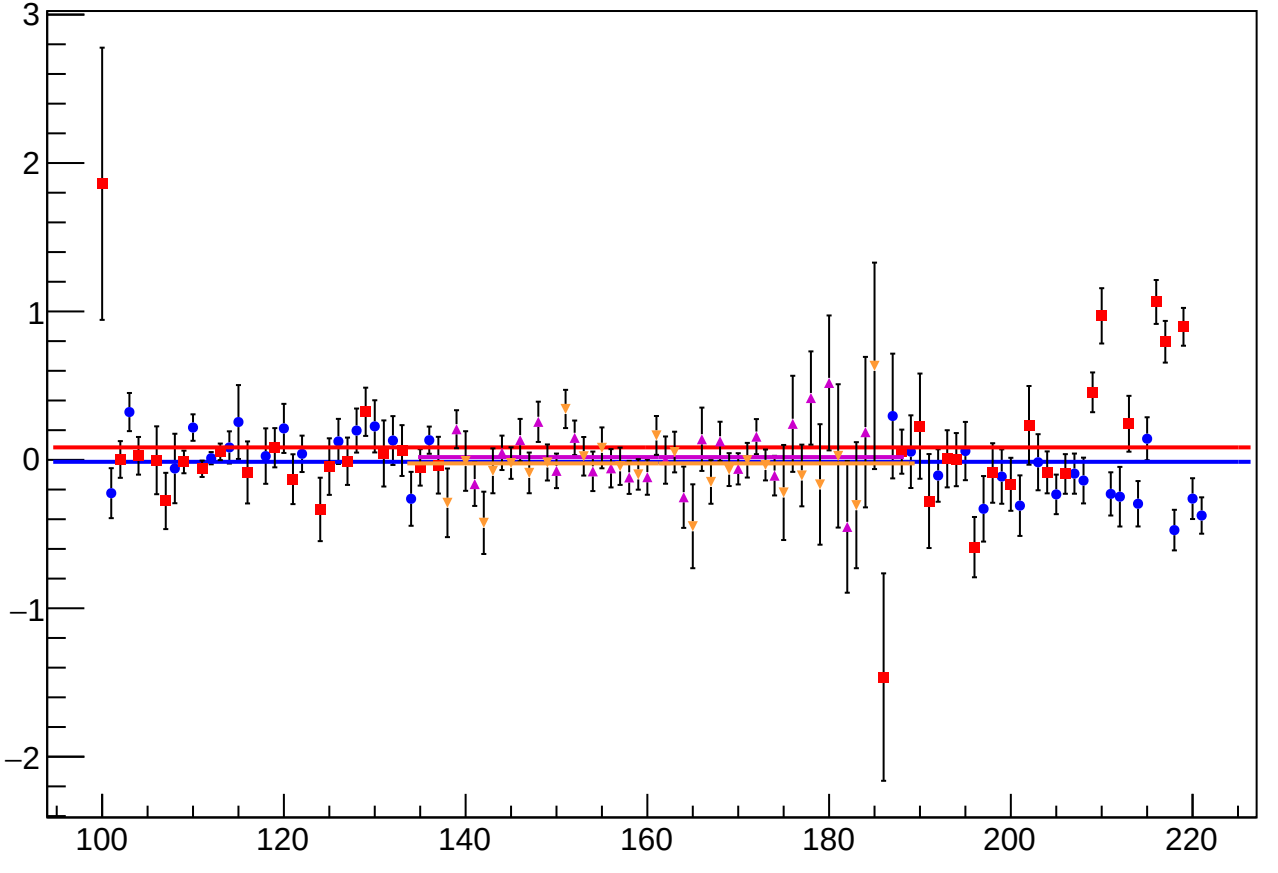
Right: 0.004+/-0.000 χ^2/NDF: 26330719.1/70

In: 0.004+/-0.000 χ^2/NDF:21013788.2/56

Out: 0.003+/-0.000 χ^2/NDF:25374082.6/61

All: 0.004+/-0.000 χ^2/NDF: 46812531.1/118

asym_sam4_eigen_dit_vs_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: 0.084+/-0.022 χ^2/NDF: 192.8/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

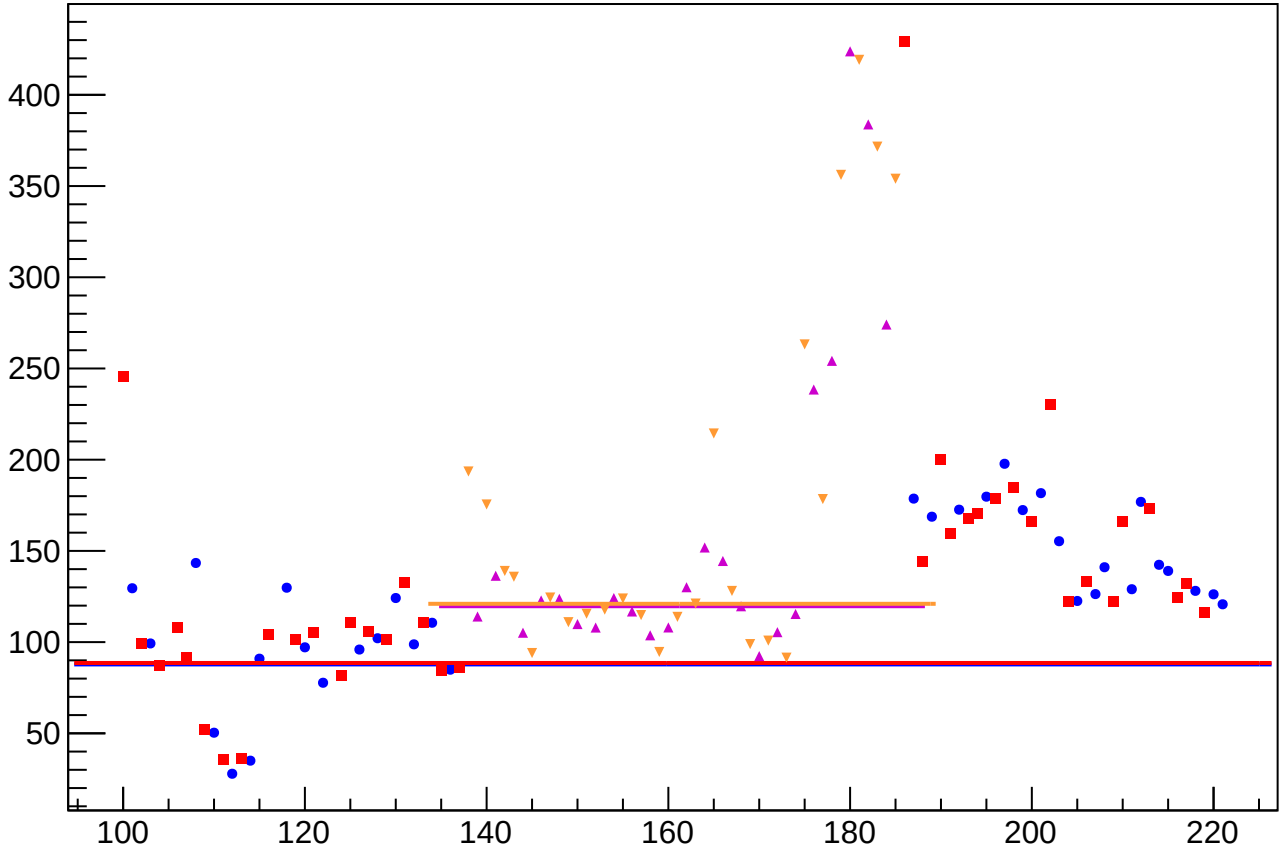
Right: 0.035+/-0.016 χ^2/NDF: 272.4/70

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.021+/-0.013 χ^2/NDF: 320.6/118

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: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

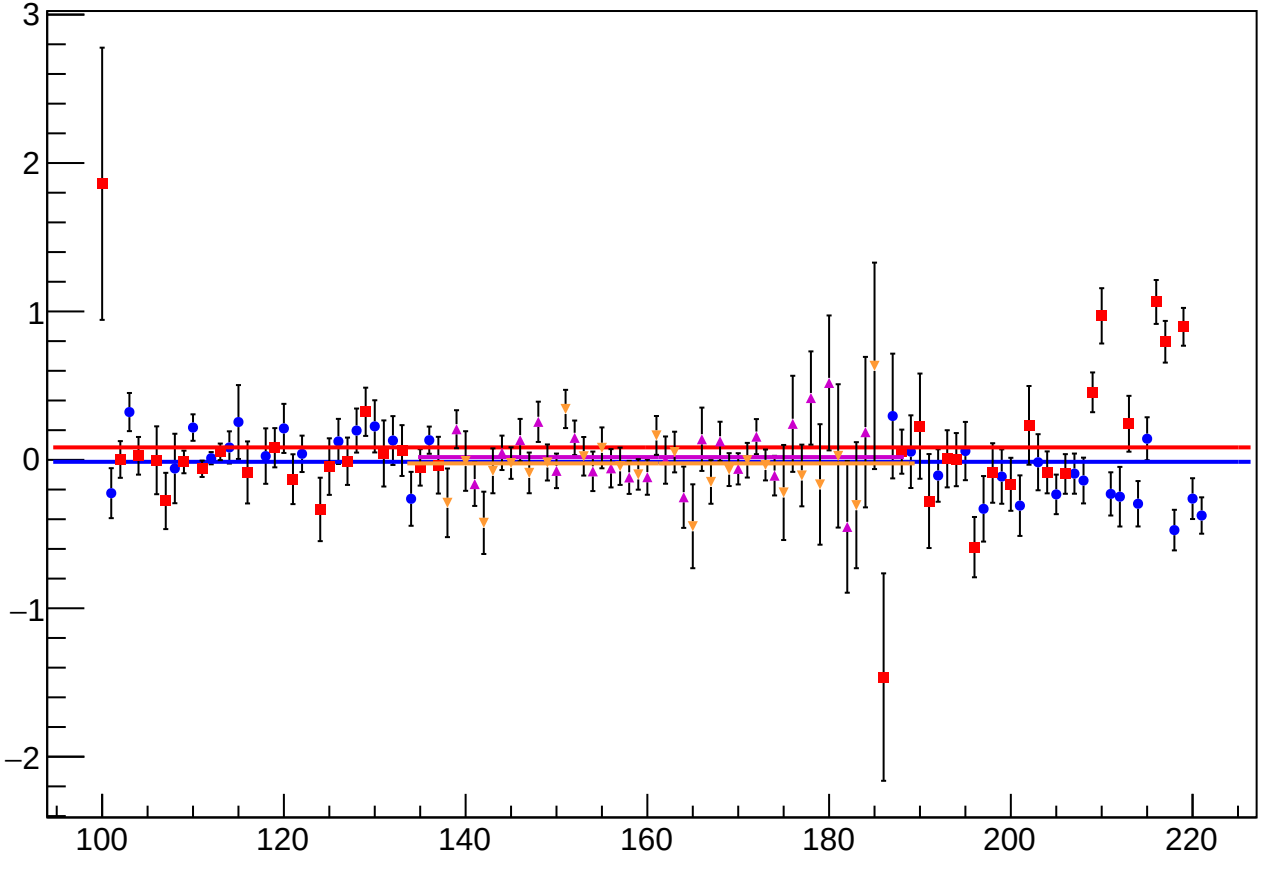
Right: 88.163+/-0.011 χ^2/NDF: 20101630.6/70

In: 98.909+/-0.013 χ^2/NDF:14767589.3/56

Out: 100.256+/-0.013 χ^2/NDF:15222007.7/61

All: 99.579+/-0.009 χ^2/NDF: 29995256.1/118

asym_sam4_eigen_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: 0.084+/-0.022 χ^2/NDF: 192.8/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

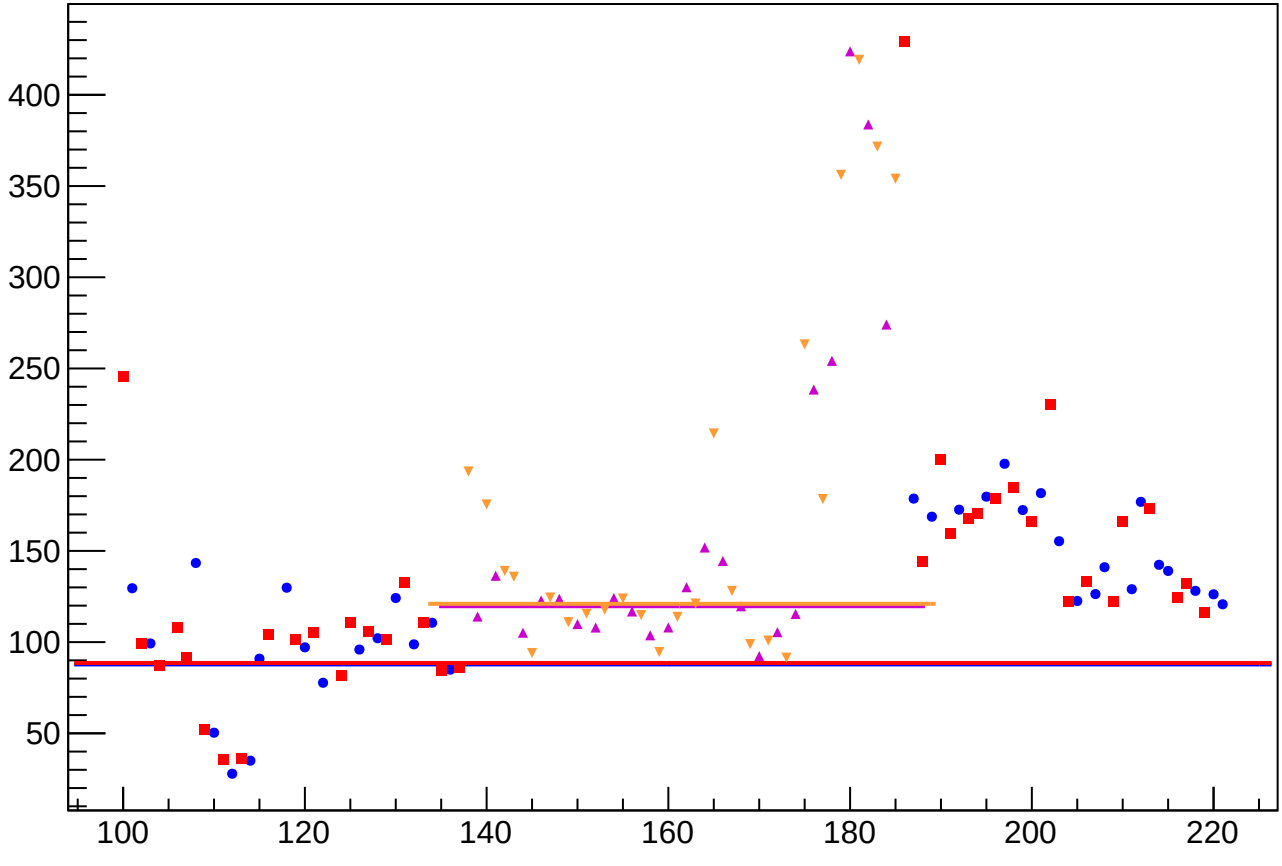
Right: 0.035+/-0.016 χ^2/NDF: 272.4/70

In: -0.002+/-0.018 χ^2/NDF:93.7/56

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.021+/-0.013 χ^2/NDF: 320.6/118

asym_sam4_eigen_dit_vs_eigen_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: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

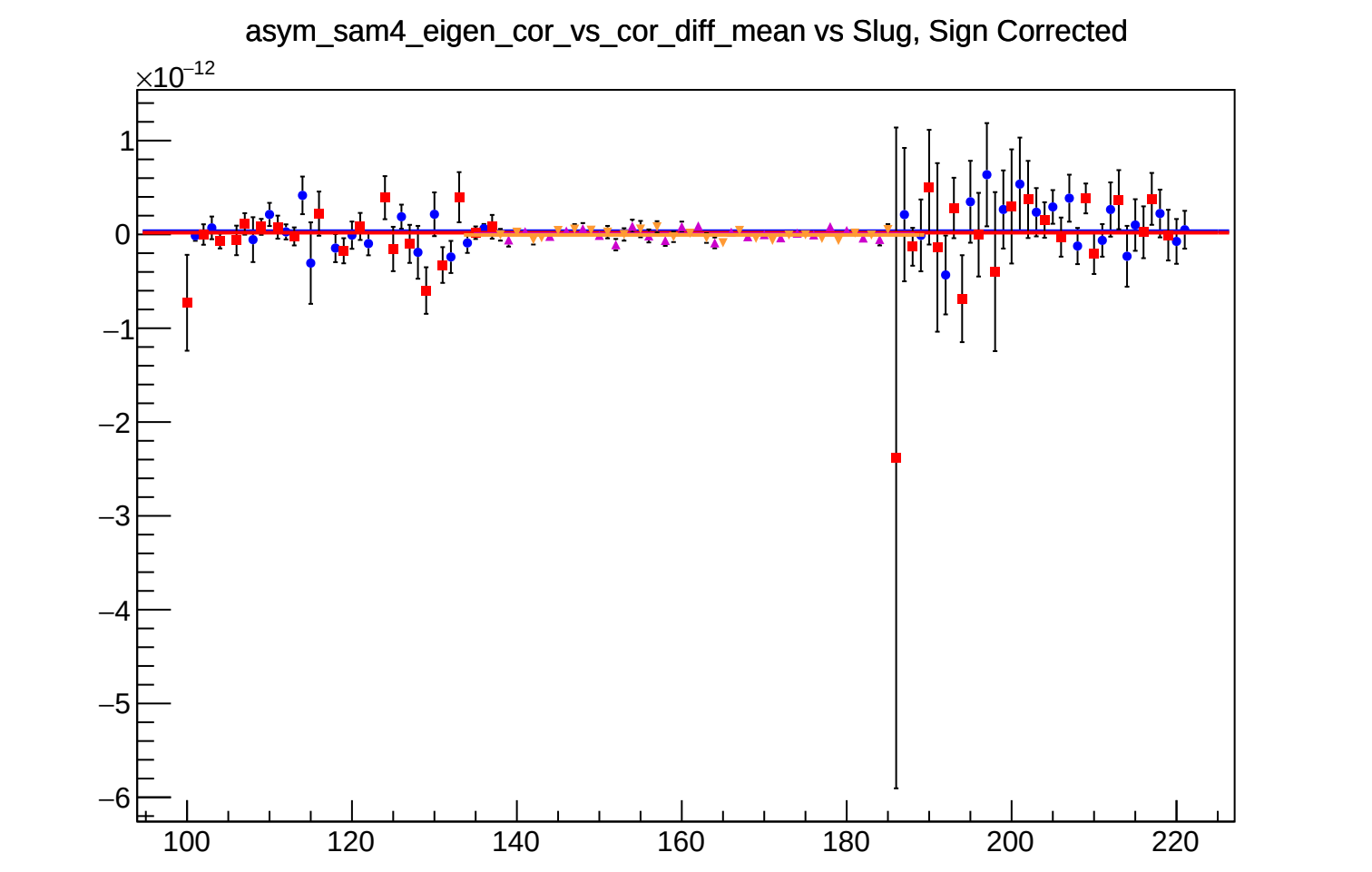
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 88.163+/-0.011 χ^2/NDF: 20101630.6/70

In: 98.909+/-0.013 χ^2/NDF:14767589.3/56

Out: 100.256+/-0.013 χ^2/NDF:15222007.7/61

All: 99.579+/-0.009 χ^2/NDF: 29995256.1/118



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: 39.2/36

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

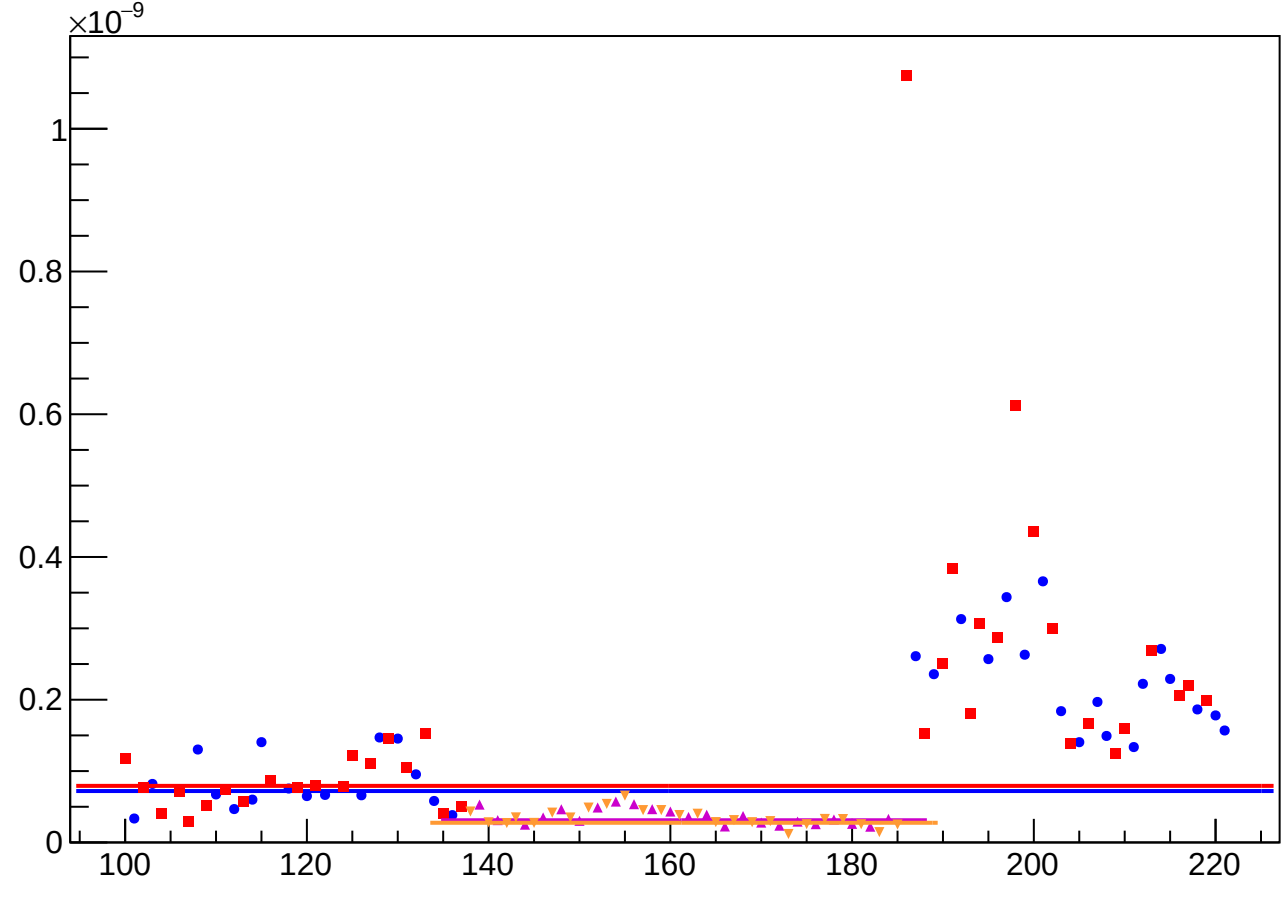
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 68.5/70

In: 0.000+/-0.000 χ^2/NDF:58.2/56

Out: -0.000+/-0.000 χ^2/NDF:62.1/61

All: 0.000+/-0.000 χ^2/NDF: 121.1/118



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: 9442121.5/36

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

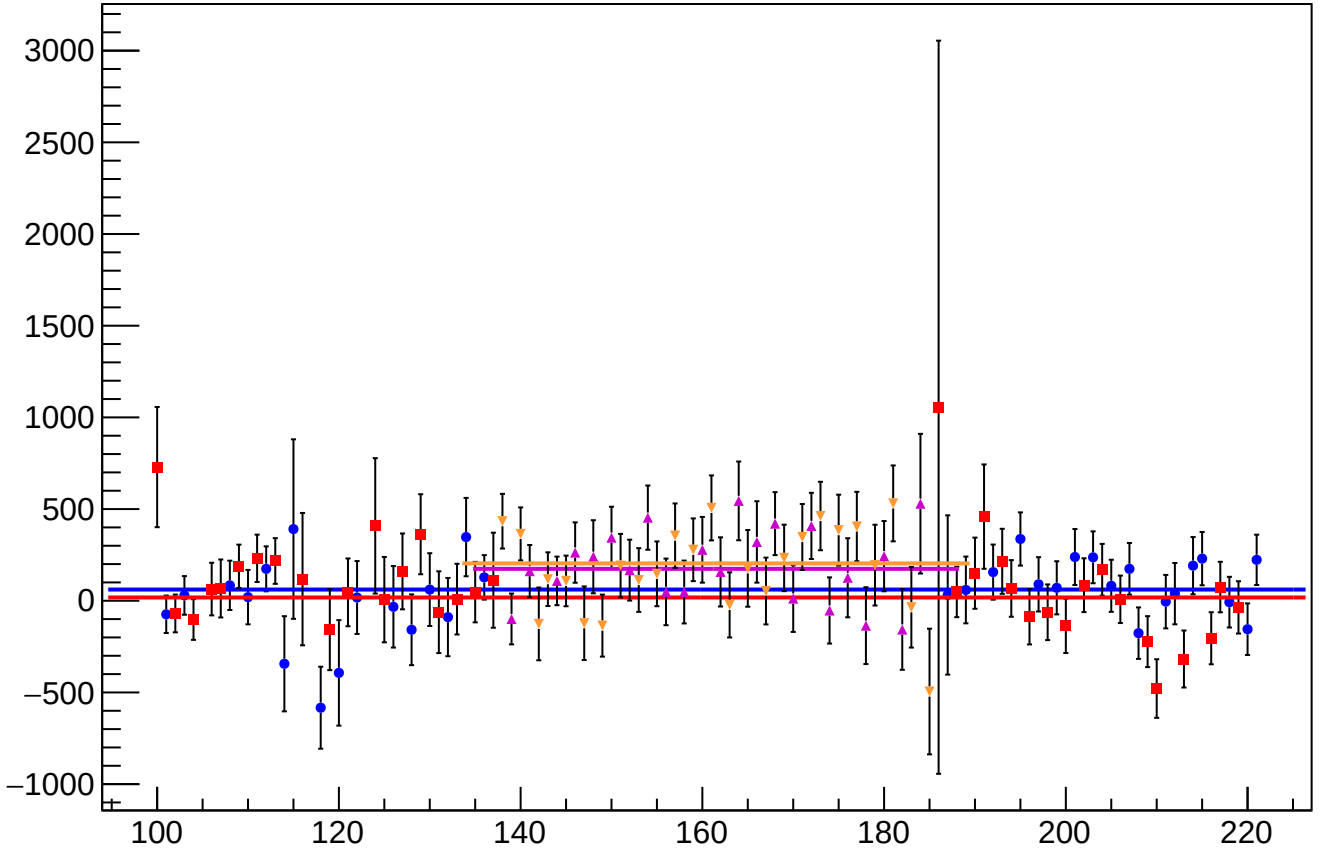
Right: 0.000+/-0.000 χ^2/NDF: 20249299.9/70

In: 0.000+/-0.000 χ^2/NDF:17695230.6/56

Out: 0.000+/-0.000 χ^2/NDF:20084032.5/61

All: 0.000+/-0.000 χ^2/NDF: 38033126.7/118

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: 17.917+/-26.398 χ^2/NDF: 47.1/36

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

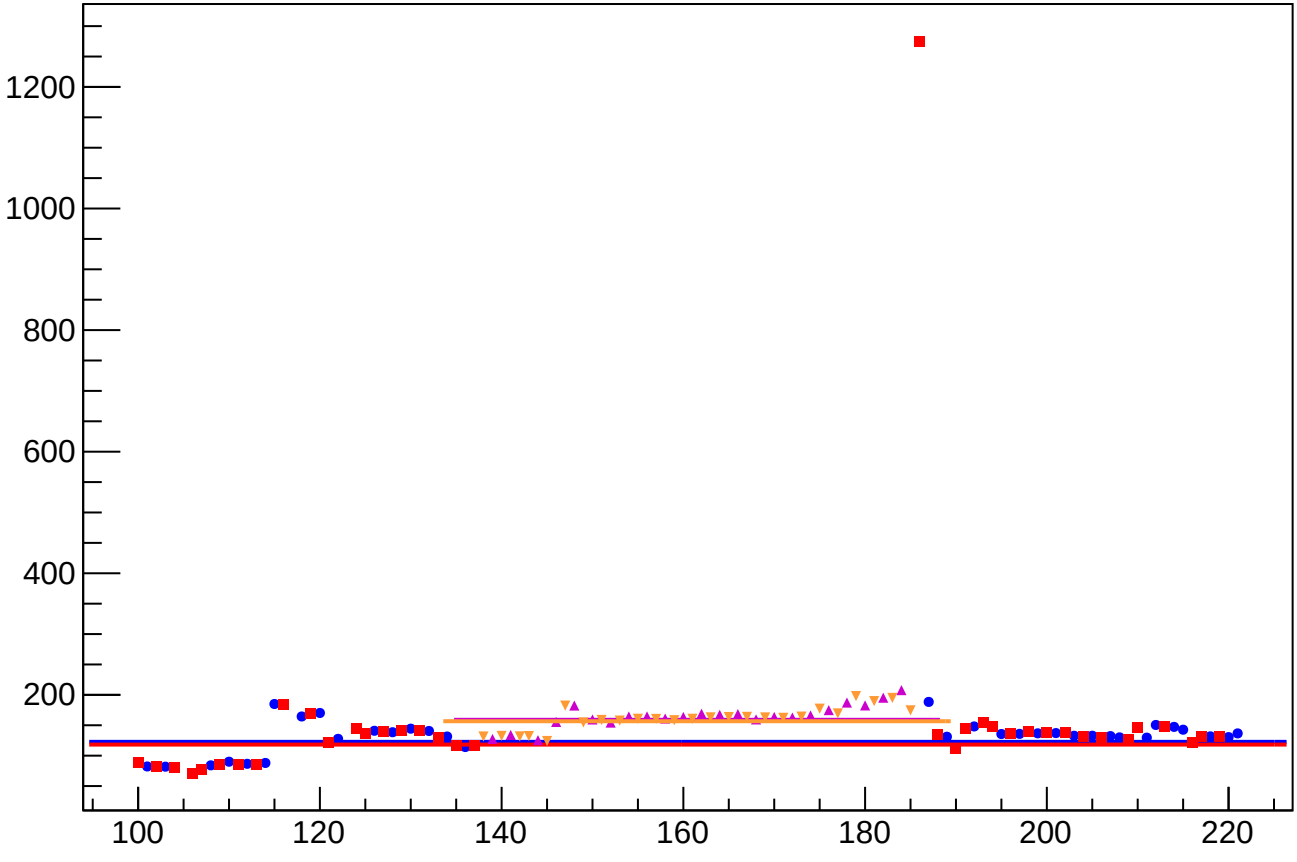
Right: 39.304+/-18.763 χ^2/NDF: 85.8/70

In: 99.176+/-21.718 χ^2/NDF:67.9/56

Out: 83.189+/-21.263 χ^2/NDF:97.4/61

All: 91.014+/-15.193 χ^2/NDF: 165.6/118

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: 118.217+/-0.019 χ^2/NDF: 2763511.6/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

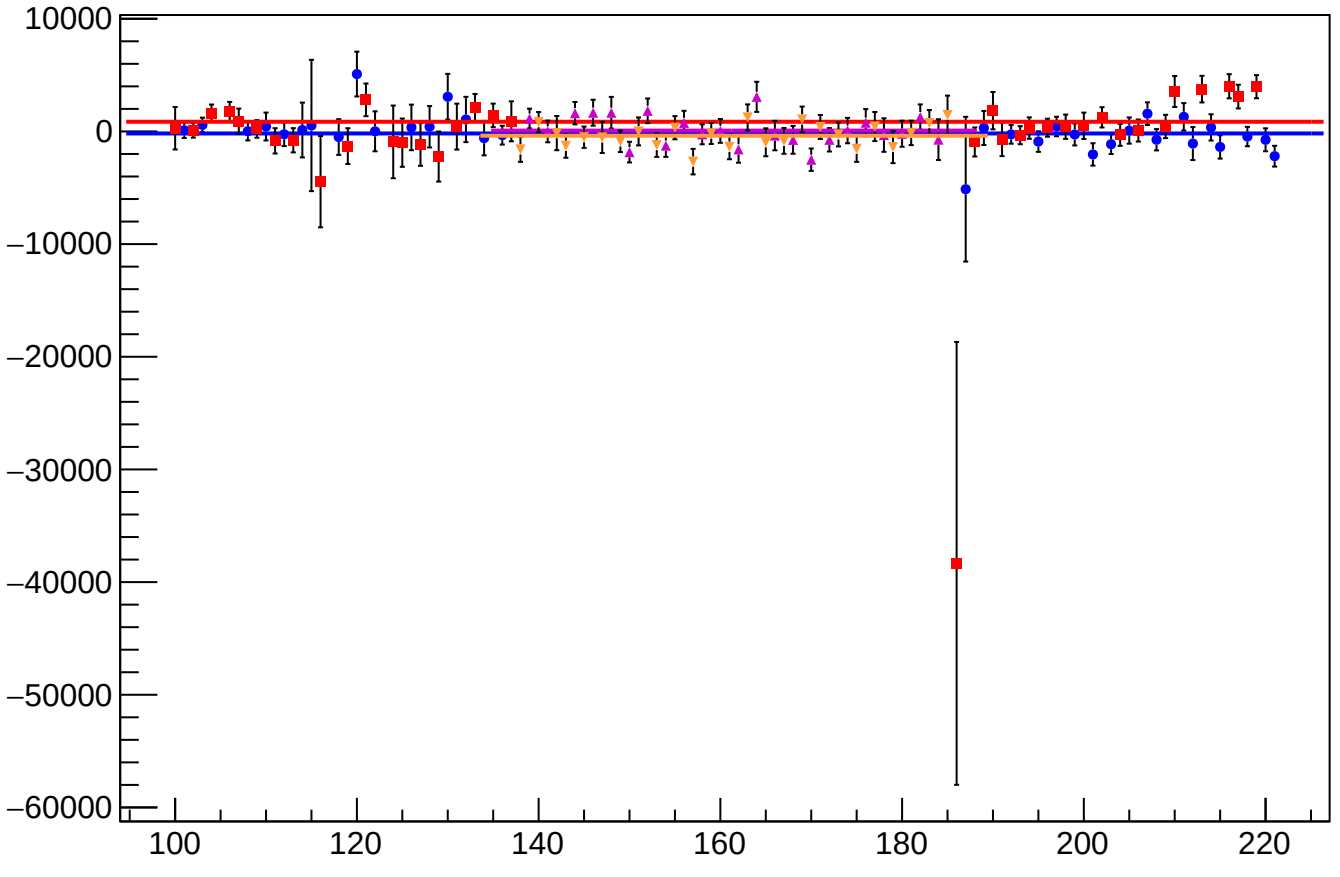
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 120.437+/-0.013 χ^2/NDF: 4506852.0/70

In: 134.924+/-0.015 χ^2/NDF:3471012.0/56

Out: 131.711+/-0.015 χ^2/NDF:4833982.1/61

All: 133.283+/-0.011 χ^2/NDF: 8327339.6/118



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: 858.286+/-184.954 χ^2/NDF: 65.1/36

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

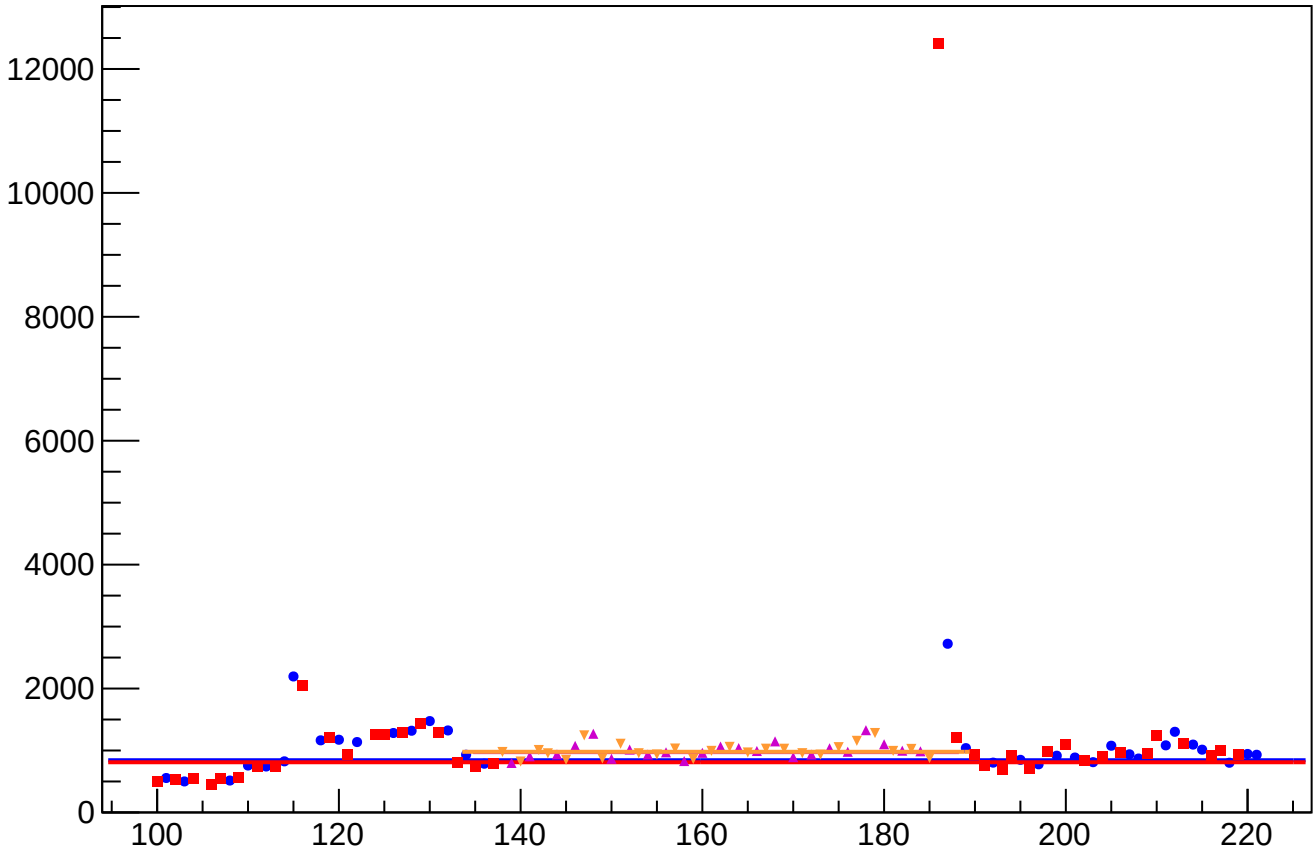
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 344.986+/-131.514 χ^2/NDF: 111.4/70

In: -78.579+/-145.060 χ^2/NDF:64.6/56

Out: 357.498+/-142.763 χ^2/NDF:101.9/61

All: 142.940+/-101.751 χ^2/NDF: 171.1/118



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: 810.289+/-0.131 χ^2/NDF: 3969042.6/36

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

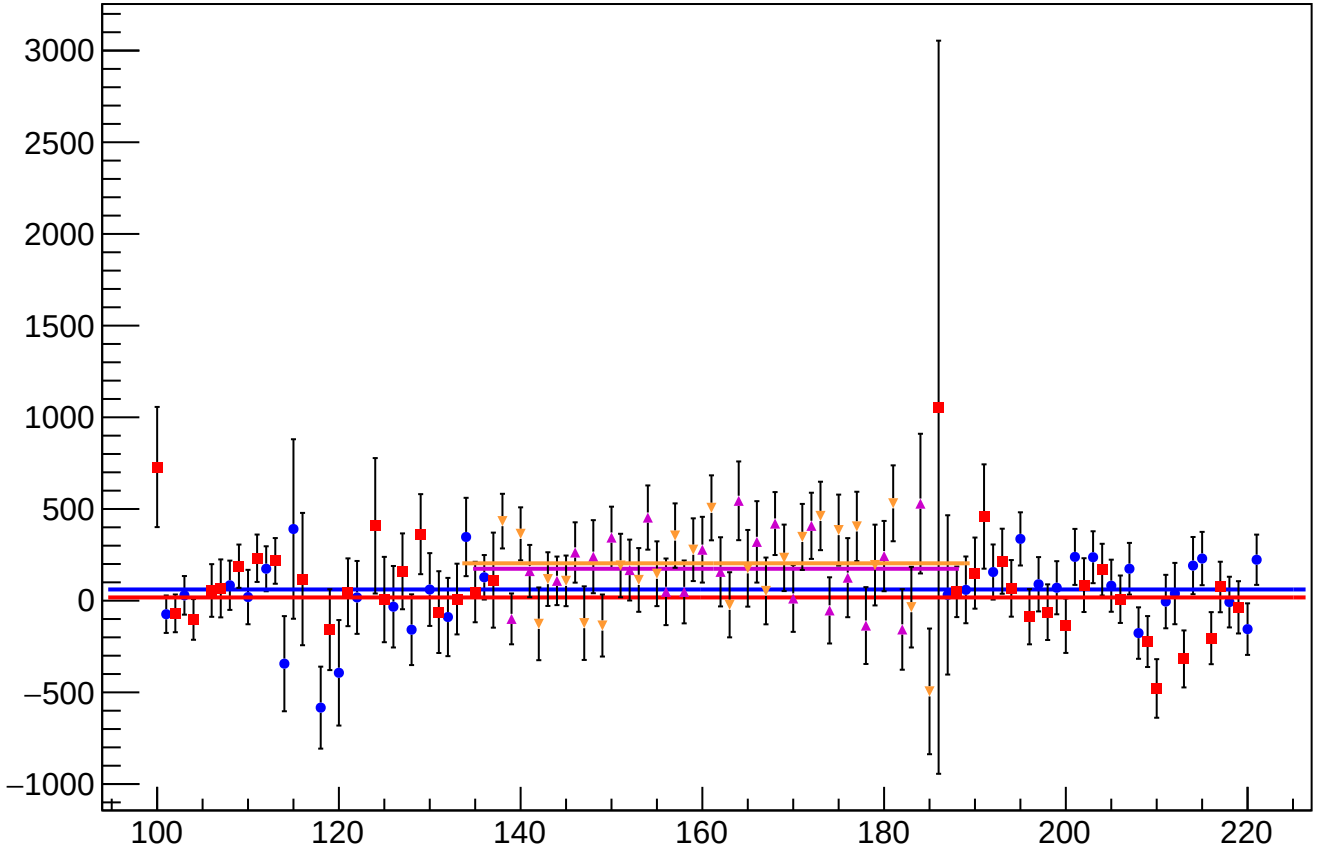
Right: 826.387+/-0.093 χ^2/NDF: 6912542.3/70

In: 895.043+/-0.103 χ^2/NDF:3802237.0/56

Out: 878.526+/-0.101 χ^2/NDF:5072361.1/61

All: 886.653+/-0.072 χ^2/NDF: 8887769.4/118

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: 17.658+/-26.399 χ^2/NDF: 47.1/36

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

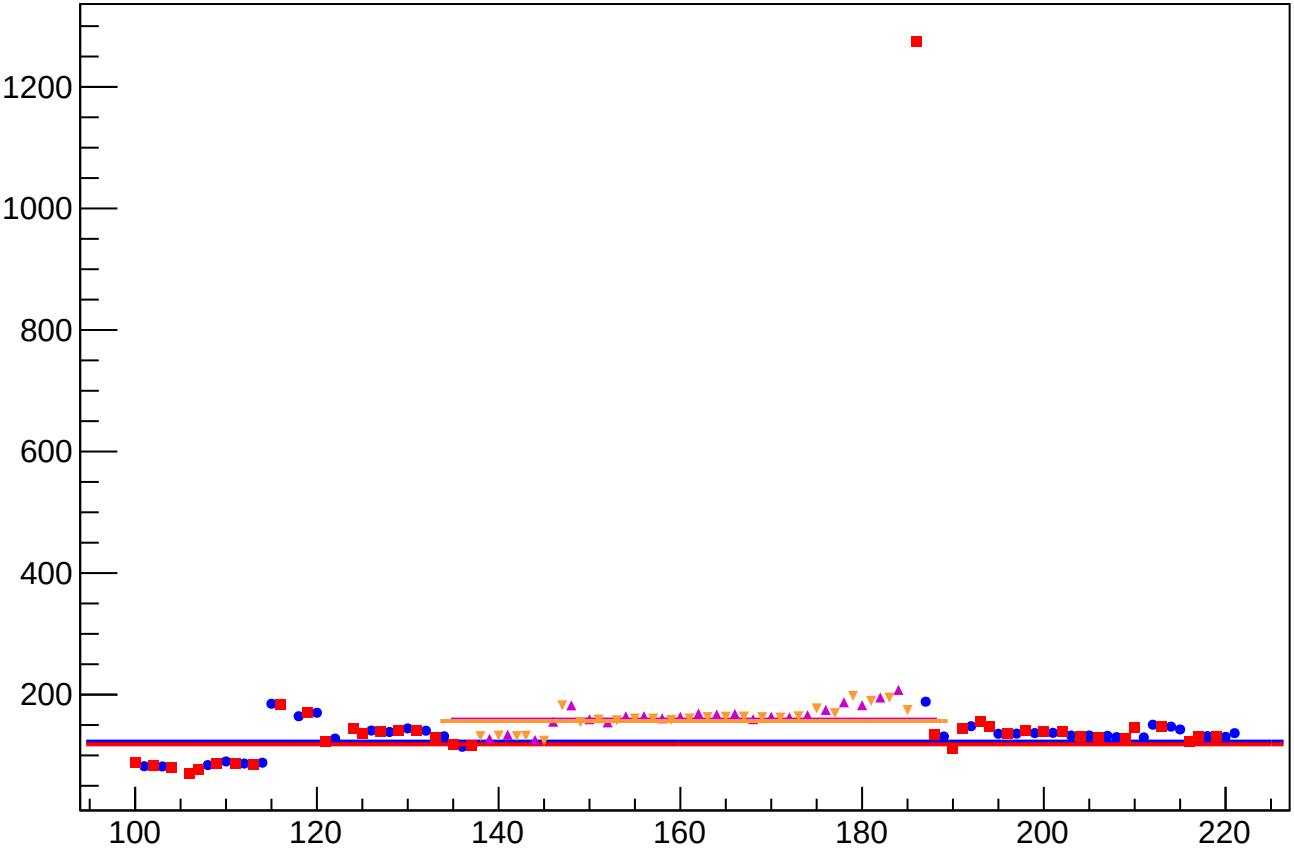
Right: 39.173+/-18.763 χ^2/NDF: 85.8/70

In: 99.178+/-21.718 χ^2/NDF:67.9/56

Out: 83.027+/-21.263 χ^2/NDF:97.4/61

All: 90.931+/-15.193 χ^2/NDF: 165.6/118

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: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

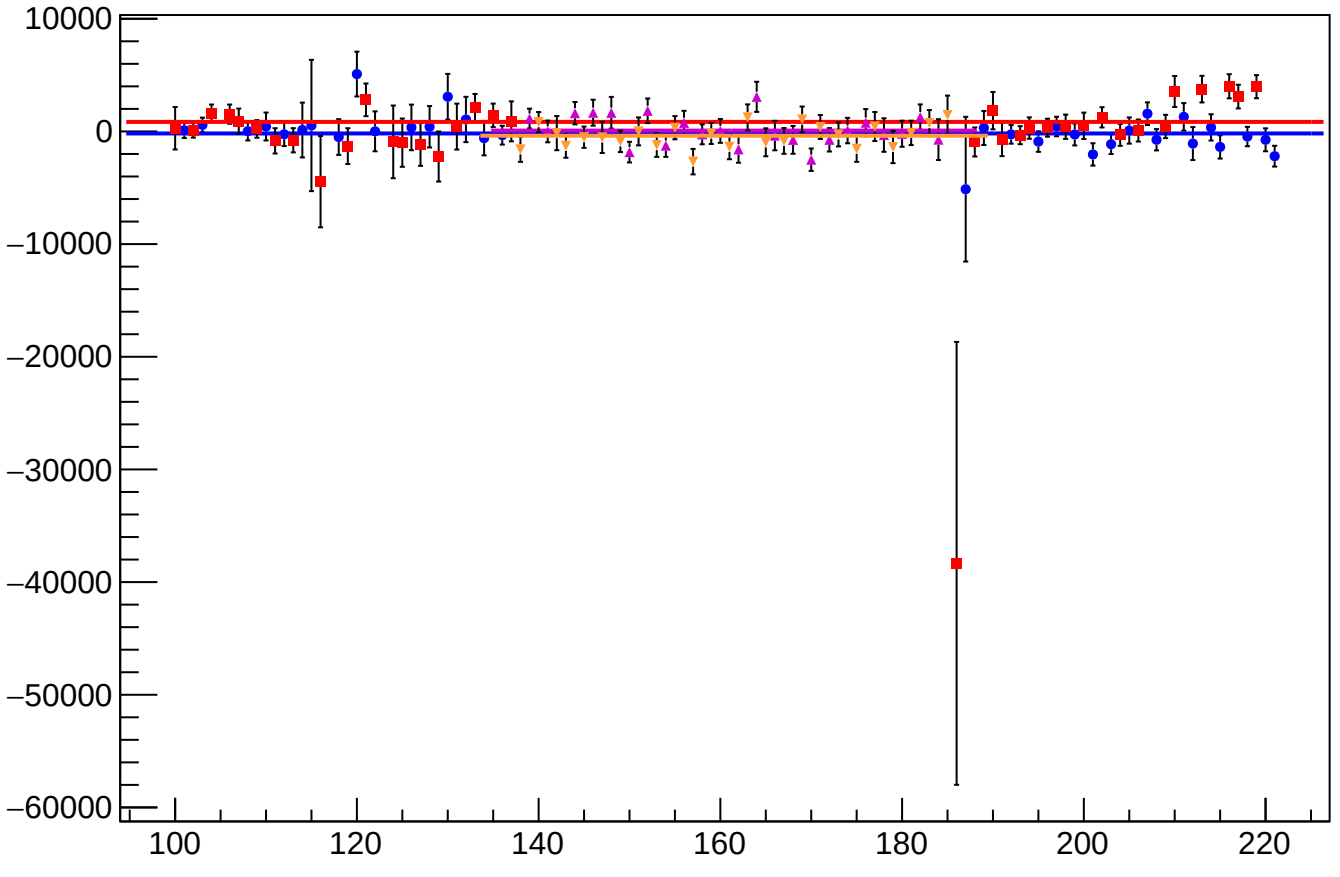
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 120.432+/-0.013 χ^2/NDF: 4510343.5/70

In: 134.924+/-0.015 χ^2/NDF:3471010.0/56

Out: 131.705+/-0.015 χ^2/NDF:4838106.8/61

All: 133.280+/-0.011 χ^2/NDF: 8331546.5/118



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: 846.344+/-185.011 χ^2/NDF: 64.5/36

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

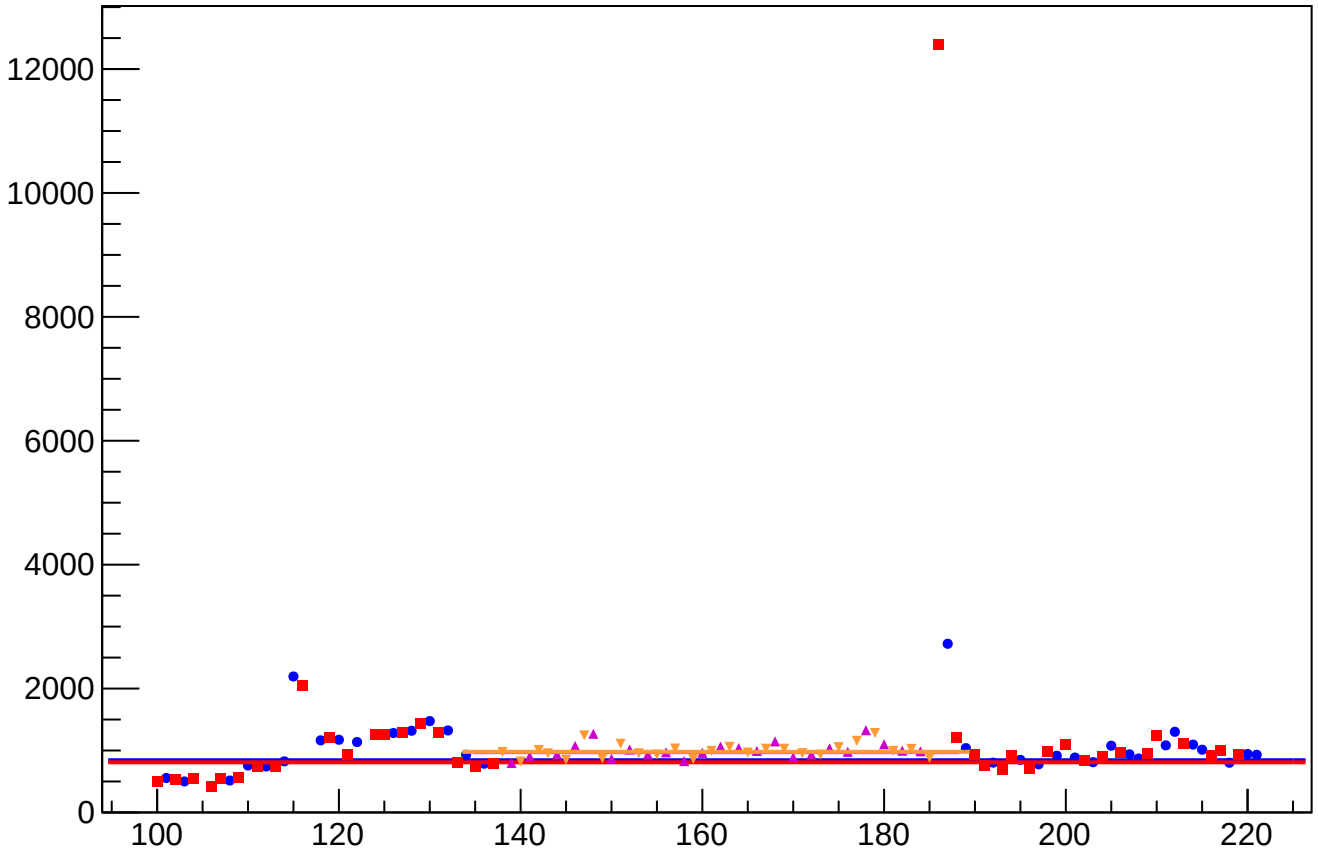
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 338.791+/-131.534 χ^2/NDF: 110.5/70

In: -78.577+/-145.060 χ^2/NDF:64.6/56

Out: 350.205+/-142.789 χ^2/NDF:101.1/61

All: 139.196+/-101.761 χ^2/NDF: 170.0/118



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: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

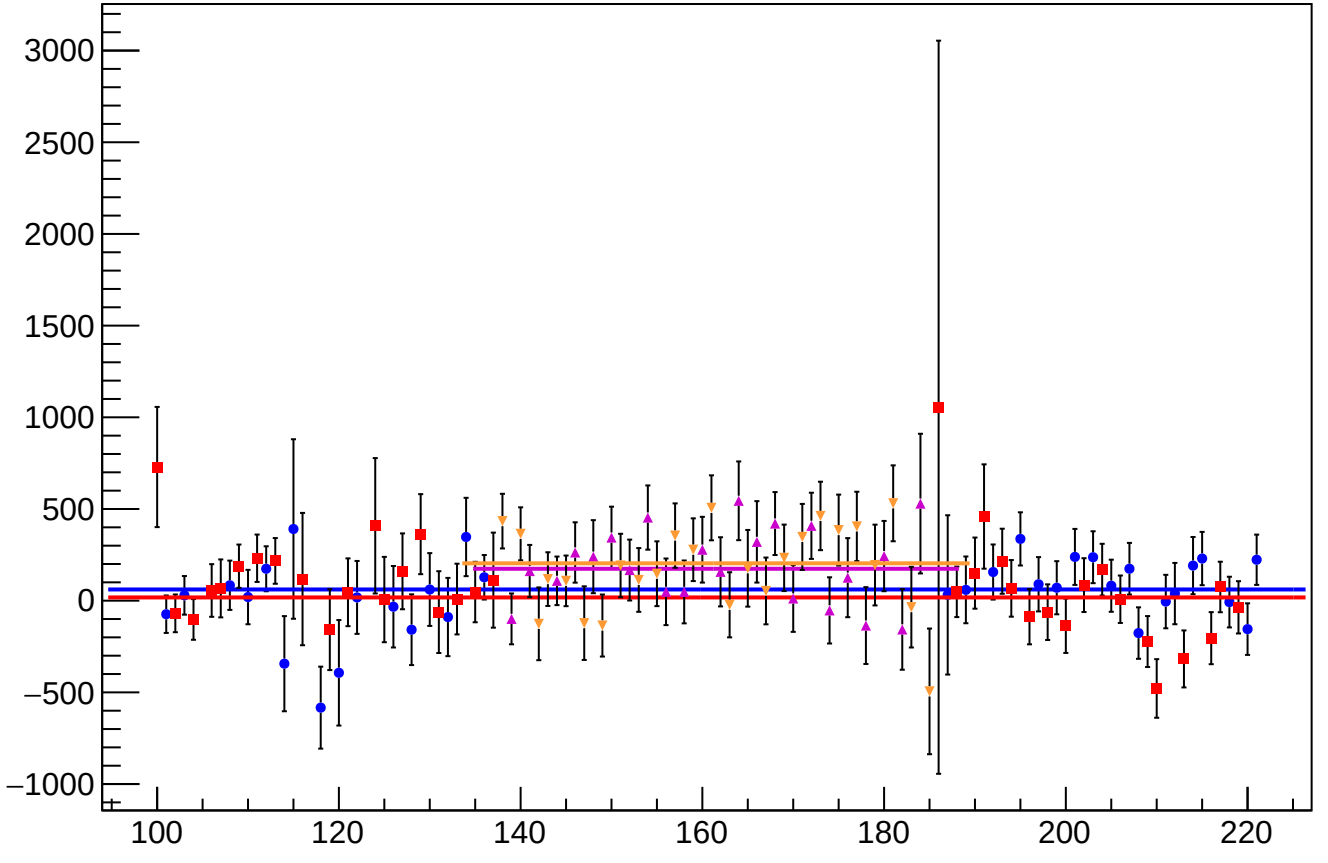
Right: 825.926+/-0.093 χ^2/NDF: 6959538.1/70

In: 895.043+/-0.103 χ^2/NDF:3802244.0/56

Out: 878.002+/-0.101 χ^2/NDF:5124810.7/61

All: 886.388+/-0.072 χ^2/NDF: 8941072.4/118

eigen_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: 17.658+/-26.399 χ^2/NDF: 47.1/36

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

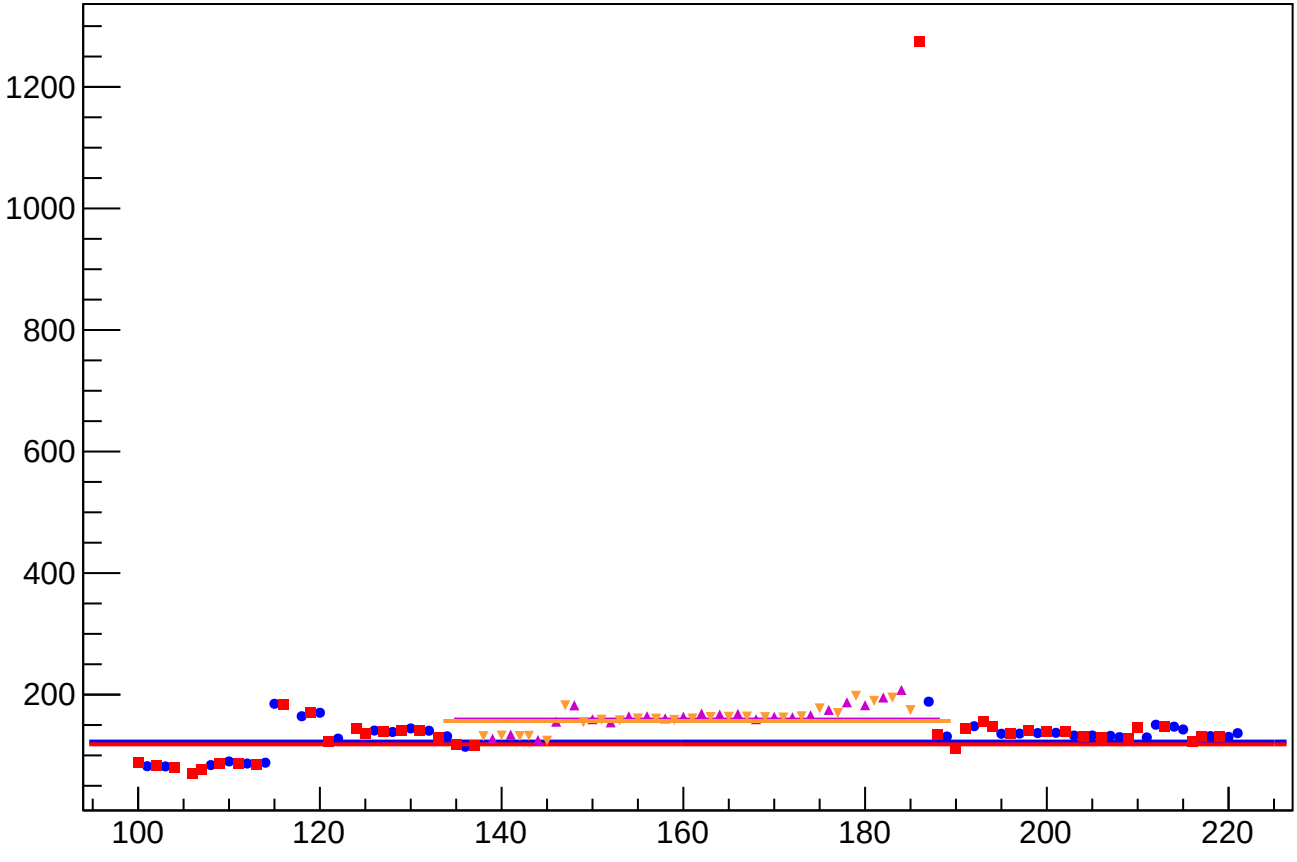
Right: 39.173+/-18.763 χ^2/NDF: 85.8/70

In: 99.178+/-21.718 χ^2/NDF:67.9/56

Out: 83.027+/-21.263 χ^2/NDF:97.4/61

All: 90.931+/-15.193 χ^2/NDF: 165.6/118

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: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

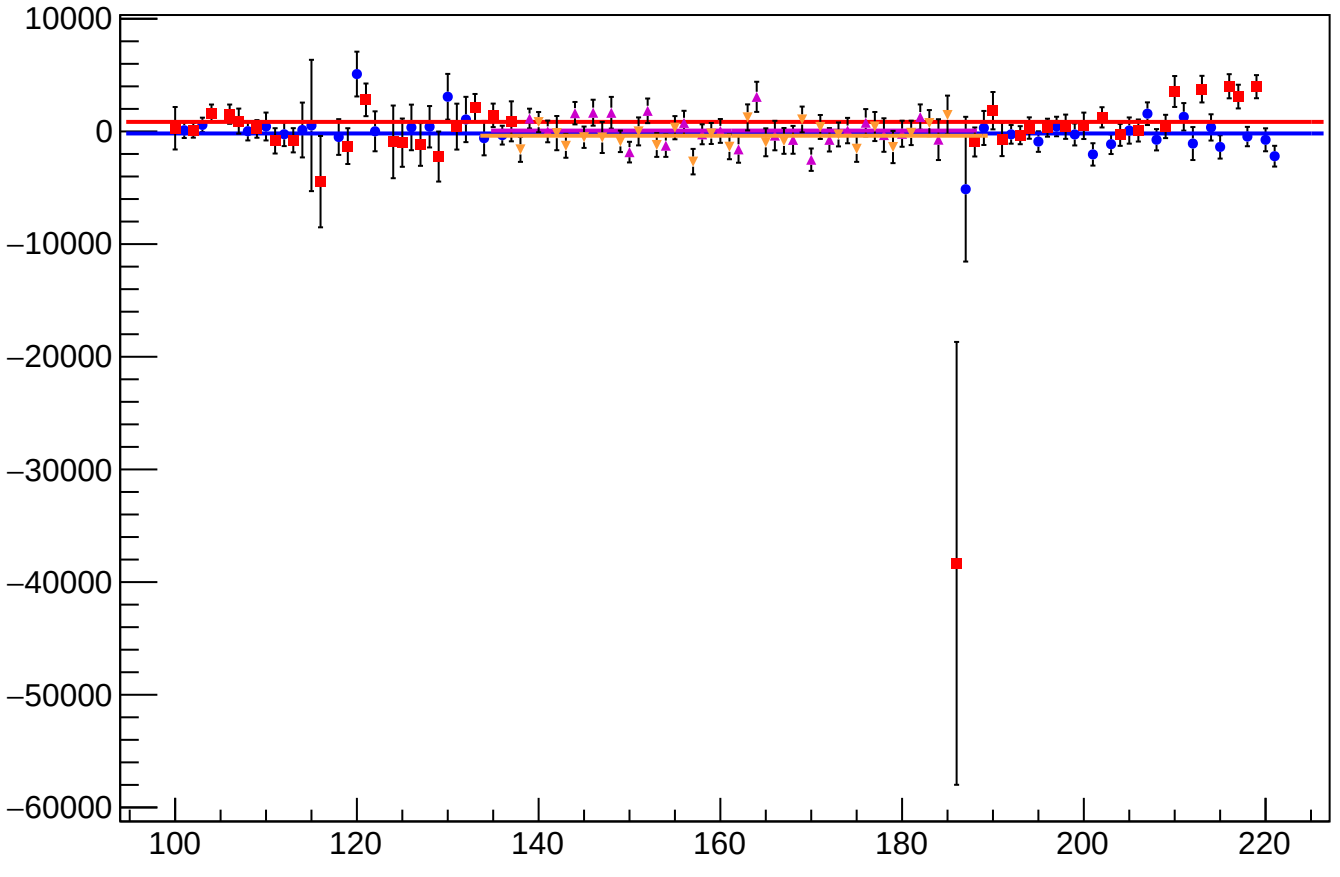
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 120.432+/-0.013 χ^2/NDF: 4510343.5/70

In: 134.924+/-0.015 χ^2/NDF:3471010.0/56

Out: 131.705+/-0.015 χ^2/NDF:4838106.8/61

All: 133.280+/-0.011 χ^2/NDF: 8331546.5/118



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: 846.344+/-185.011 χ^2/NDF: 64.5/36

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

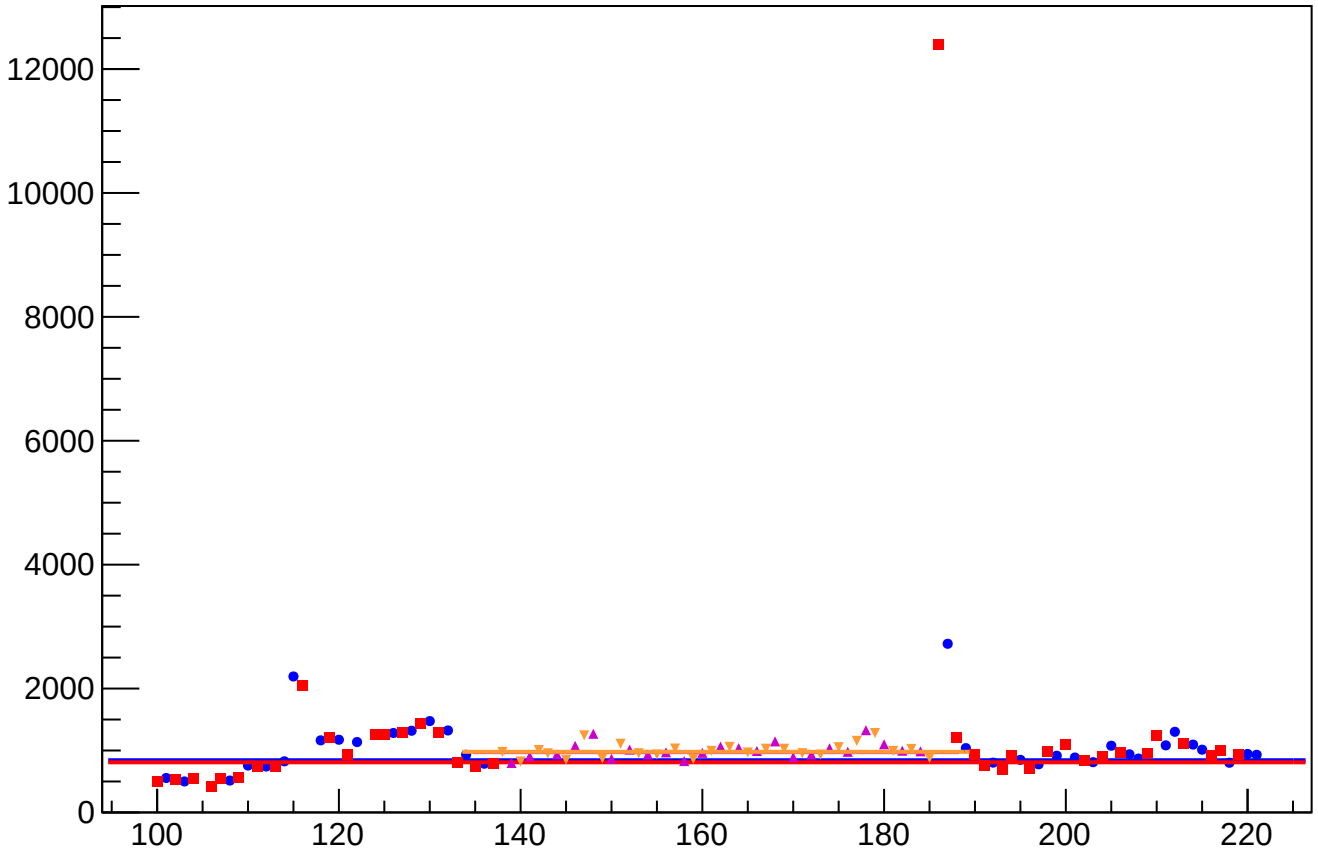
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 338.791+/-131.534 χ^2/NDF: 110.5/70

In: -78.577+/-145.060 χ^2/NDF:64.6/56

Out: 350.205+/-142.789 χ^2/NDF:101.1/61

All: 139.196+/-101.761 χ^2/NDF: 170.0/118



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: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

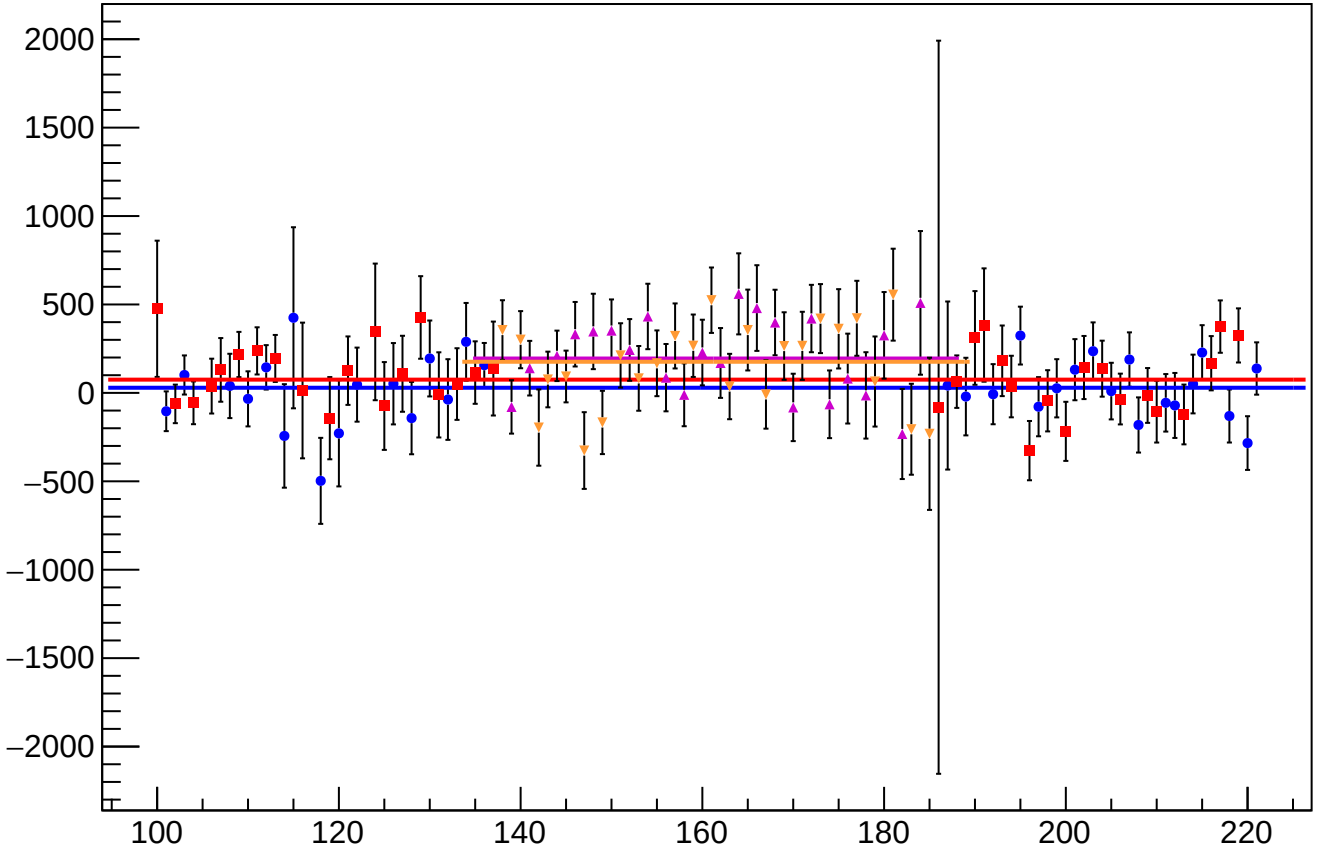
Right: 825.926+/-0.093 χ^2/NDF: 6959538.1/70

In: 895.043+/-0.103 χ^2/NDF:3802244.0/56

Out: 878.002+/-0.101 χ^2/NDF:5124810.7/61

All: 886.388+/-0.072 χ^2/NDF: 8941072.4/118

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: 74.925+/-28.855 χ^2/NDF: 34.0/36

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

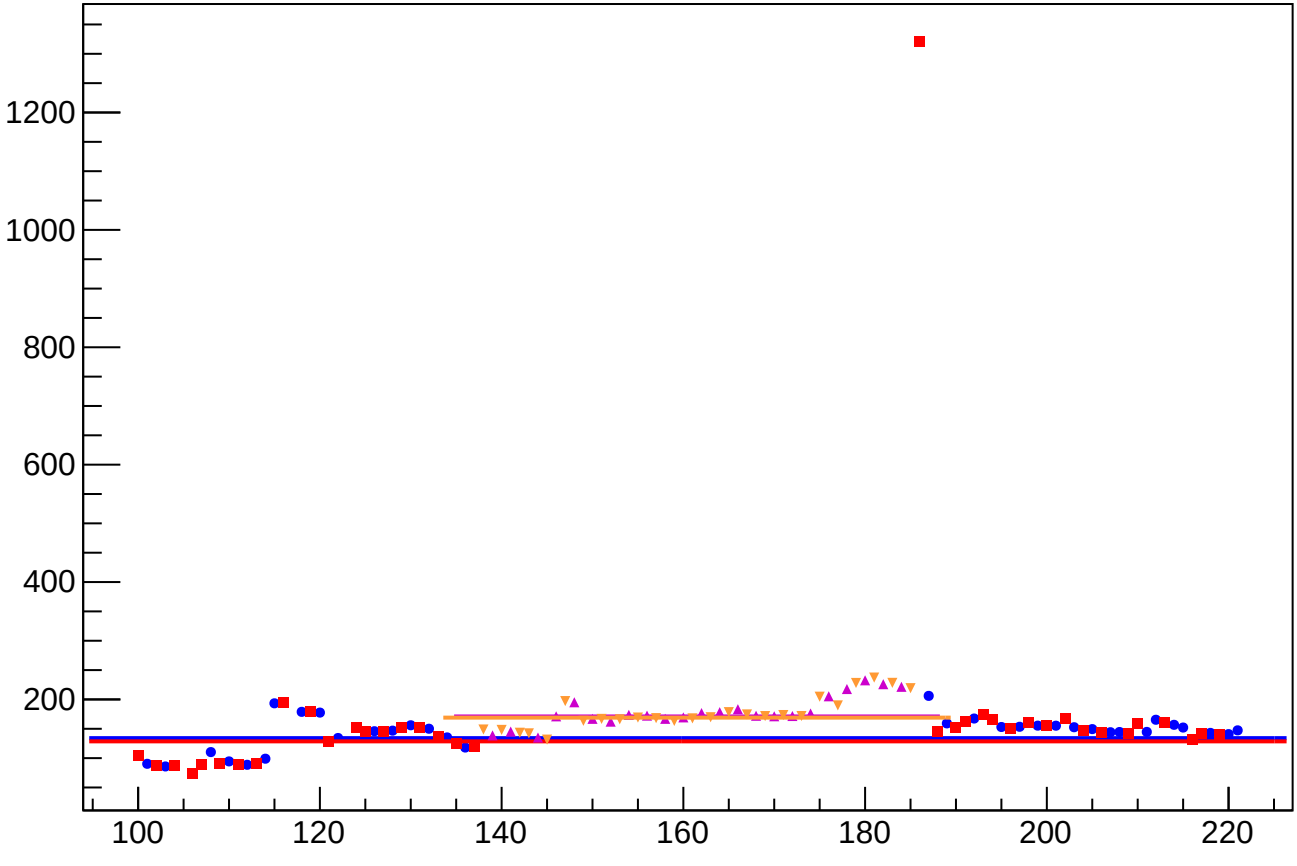
Right: 52.279+/-20.528 χ^2/NDF: 65.6/70

In: 85.831+/-23.667 χ^2/NDF:65.2/56

Out: 110.879+/-23.162 χ^2/NDF:69.1/61

All: 98.625+/-16.554 χ^2/NDF: 134.9/118

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: 128.579+/-0.020 χ^2/NDF: 3025698.8/36

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

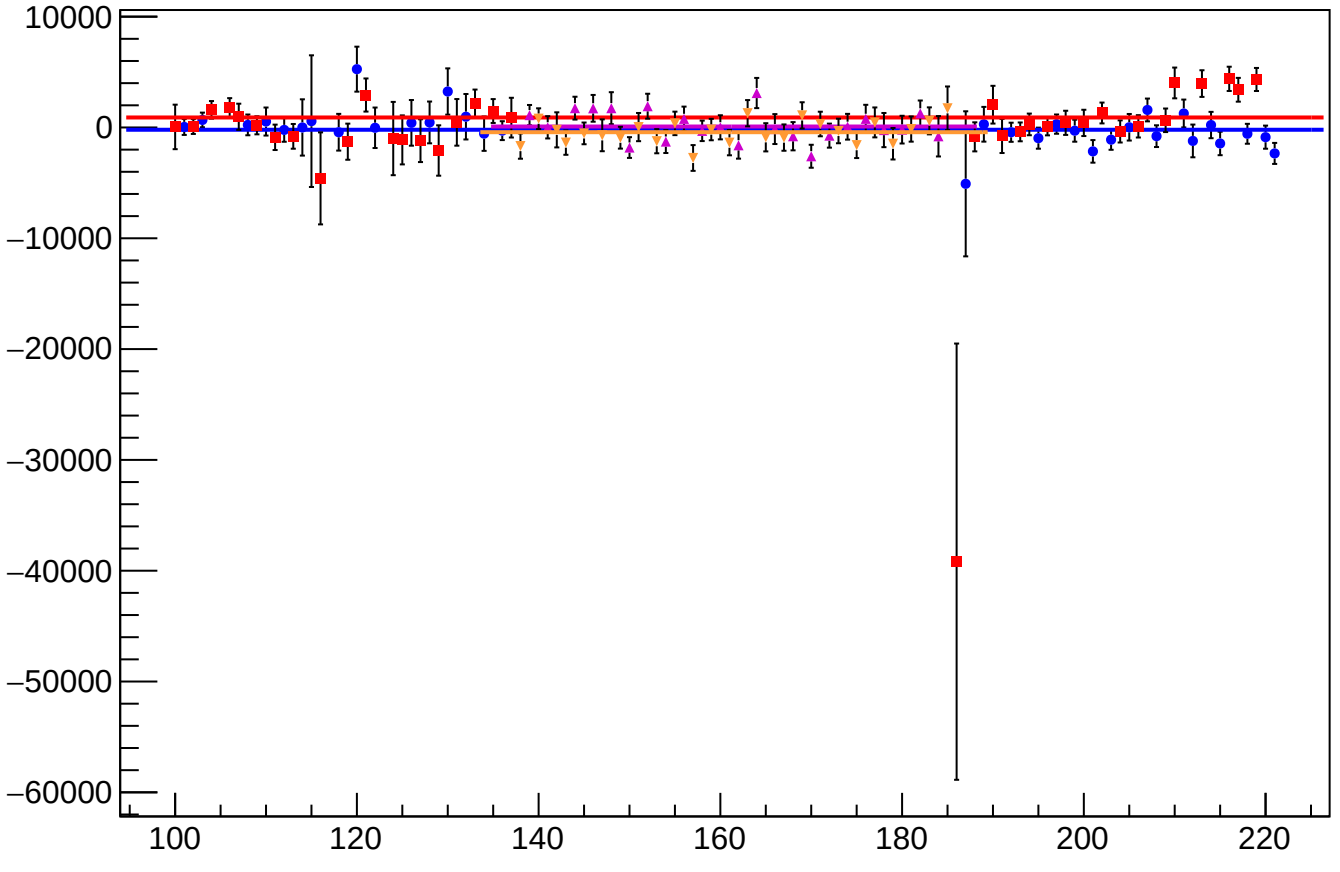
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 131.292+/-0.015 χ^2/NDF: 4898417.1/70

In: 146.763+/-0.017 χ^2/NDF:3614182.3/56

Out: 142.959+/-0.016 χ^2/NDF:5196153.8/61

All: 144.820+/-0.012 χ^2/NDF: 8836730.0/118



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: 902.106+/-190.616 χ^2/NDF: 71.8/36

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

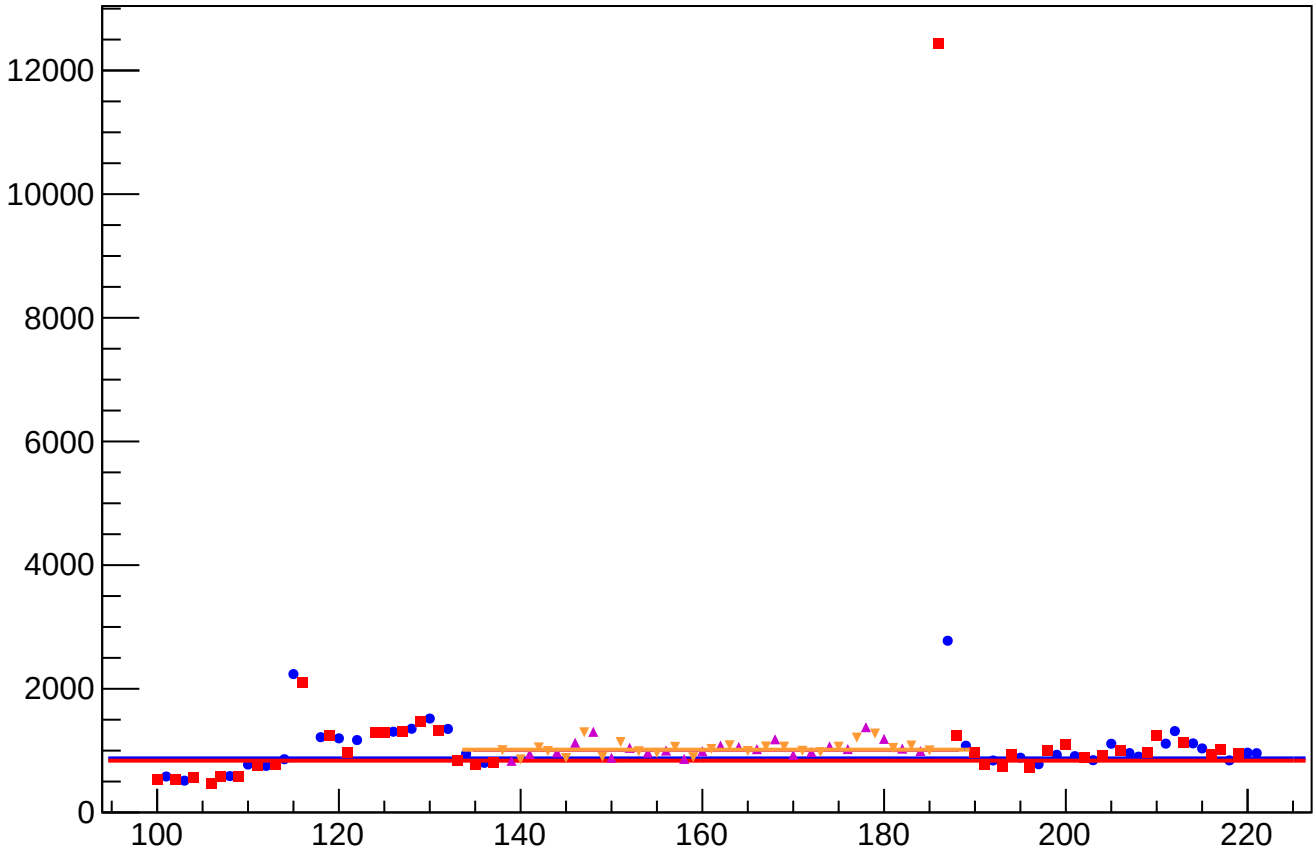
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 355.634+/-135.726 χ^2/NDF: 120.3/70

In: -90.046+/-150.086 χ^2/NDF:65.2/56

Out: 368.484+/-147.423 χ^2/NDF:109.7/61

All: 143.322+/-105.173 χ^2/NDF: 179.6/118



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: 837.681+/-0.135 χ^2/NDF: 3800664.9/36

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

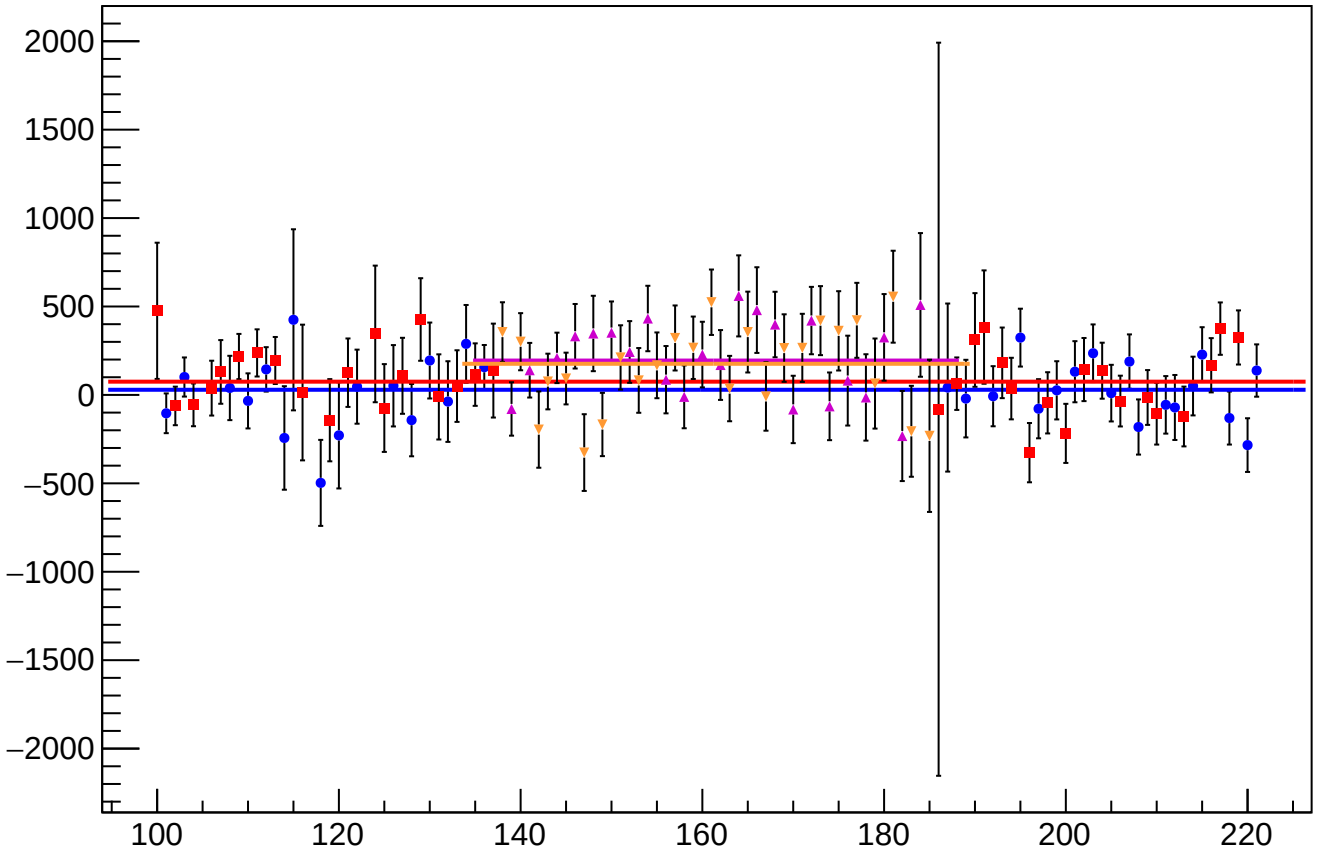
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 855.526+/-0.096 χ^2/NDF: 6561674.8/70

In: 927.809+/-0.106 χ^2/NDF:3616235.0/56

Out: 908.954+/-0.104 χ^2/NDF:4894468.7/61

All: 918.213+/-0.074 χ^2/NDF: 8526767.8/118



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: 74.924+/-28.855 χ^2/NDF: 34.0/36

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

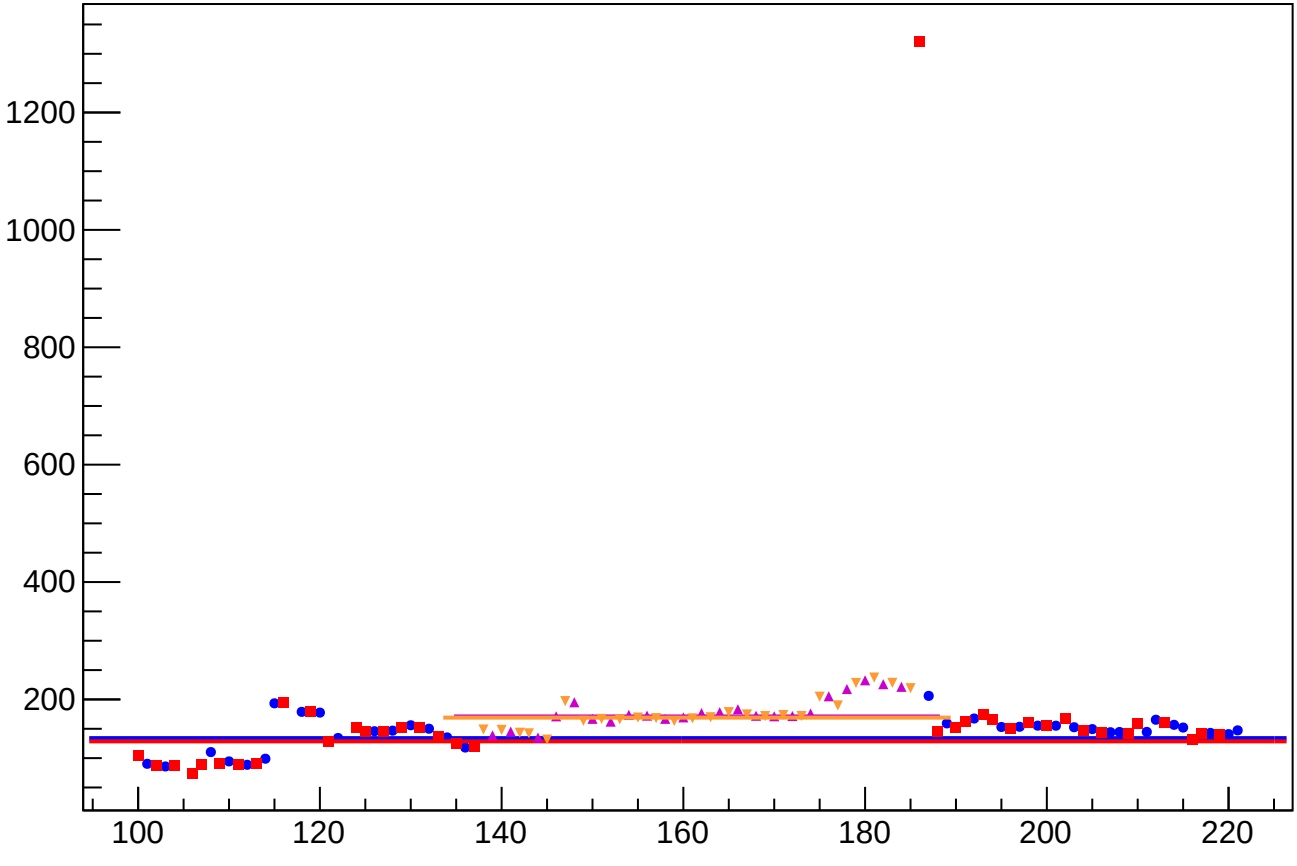
Right: 52.278+/-20.528 χ^2/NDF: 65.6/70

In: 85.831+/-23.667 χ^2/NDF:65.2/56

Out: 110.878+/-23.162 χ^2/NDF:69.1/61

All: 98.624+/-16.554 χ^2/NDF: 134.9/118

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: 128.579+/-0.020 χ^2/NDF: 3025699.8/36

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

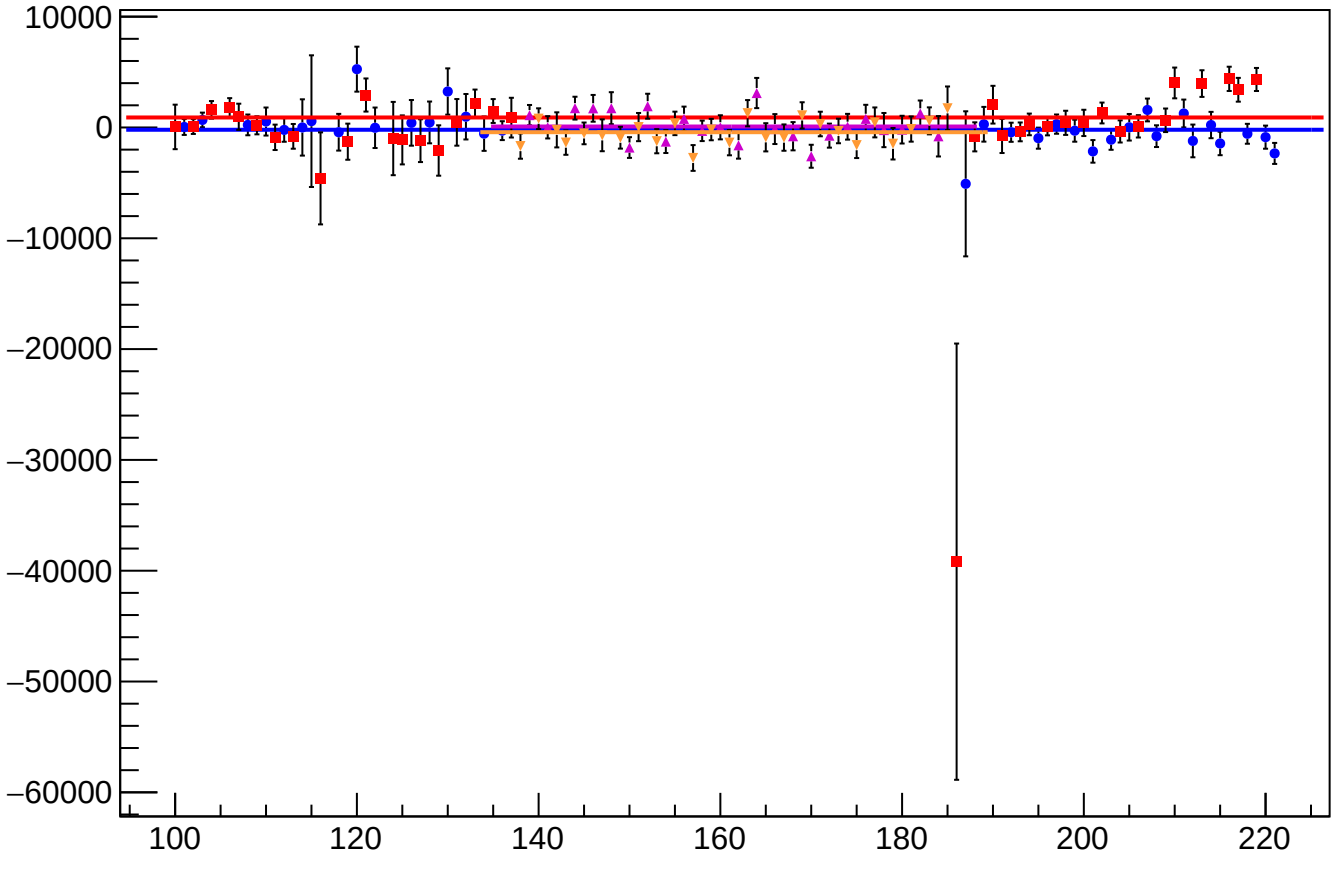
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 131.292+/-0.015 χ^2/NDF: 4898424.9/70

In: 146.763+/-0.017 χ^2/NDF:3614211.0/56

Out: 142.959+/-0.016 χ^2/NDF:5196166.7/61

All: 144.820+/-0.012 χ^2/NDF: 8836771.7/118



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: 902.107+/-190.616 χ^2/NDF: 71.8/36

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

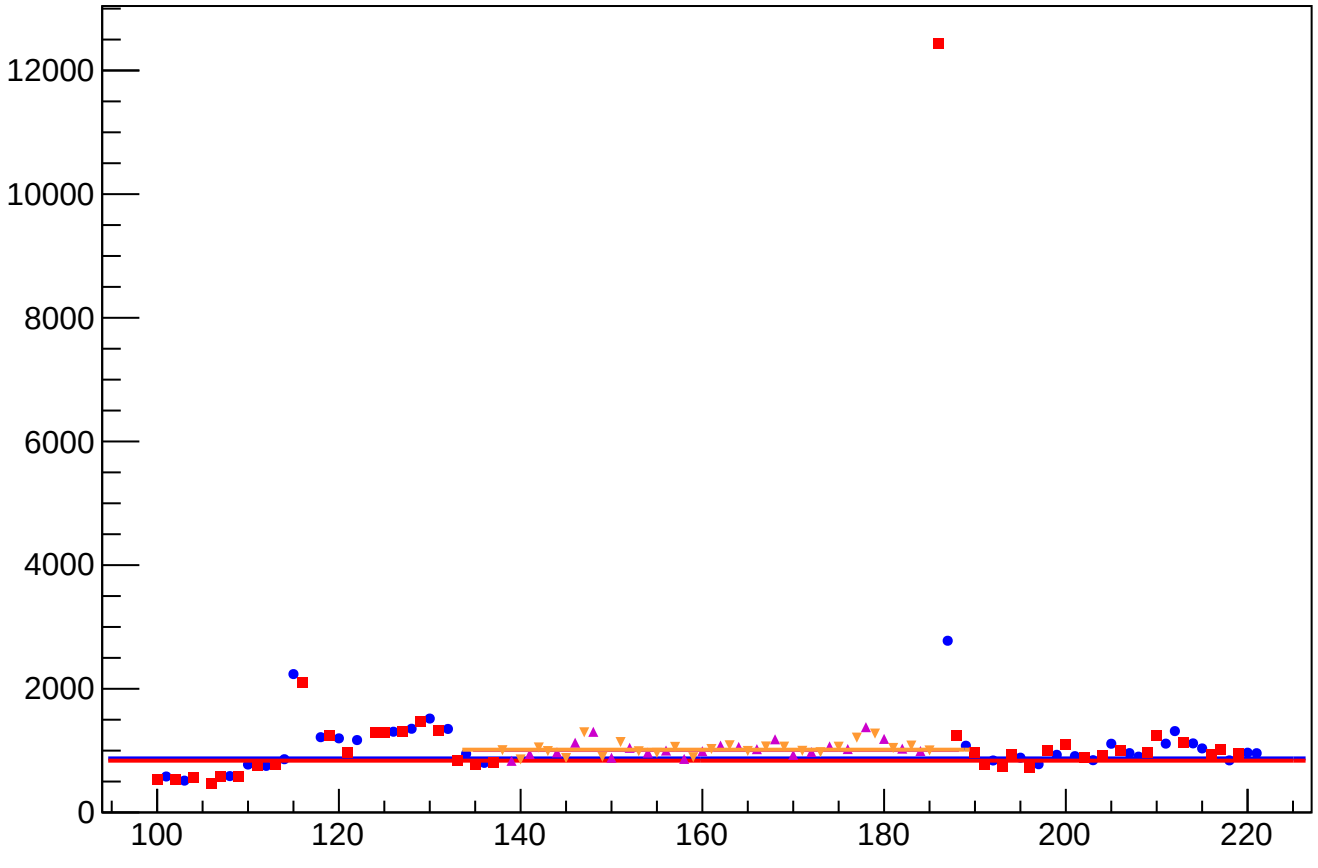
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 355.635+/-135.726 χ^2/NDF: 120.3/70

In: -90.045+/-150.086 χ^2/NDF:65.2/56

Out: 368.486+/-147.423 χ^2/NDF:109.7/61

All: 143.323+/-105.173 χ^2/NDF: 179.6/118



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: 837.680+/-0.135 χ^2/NDF: 3800667.5/36

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

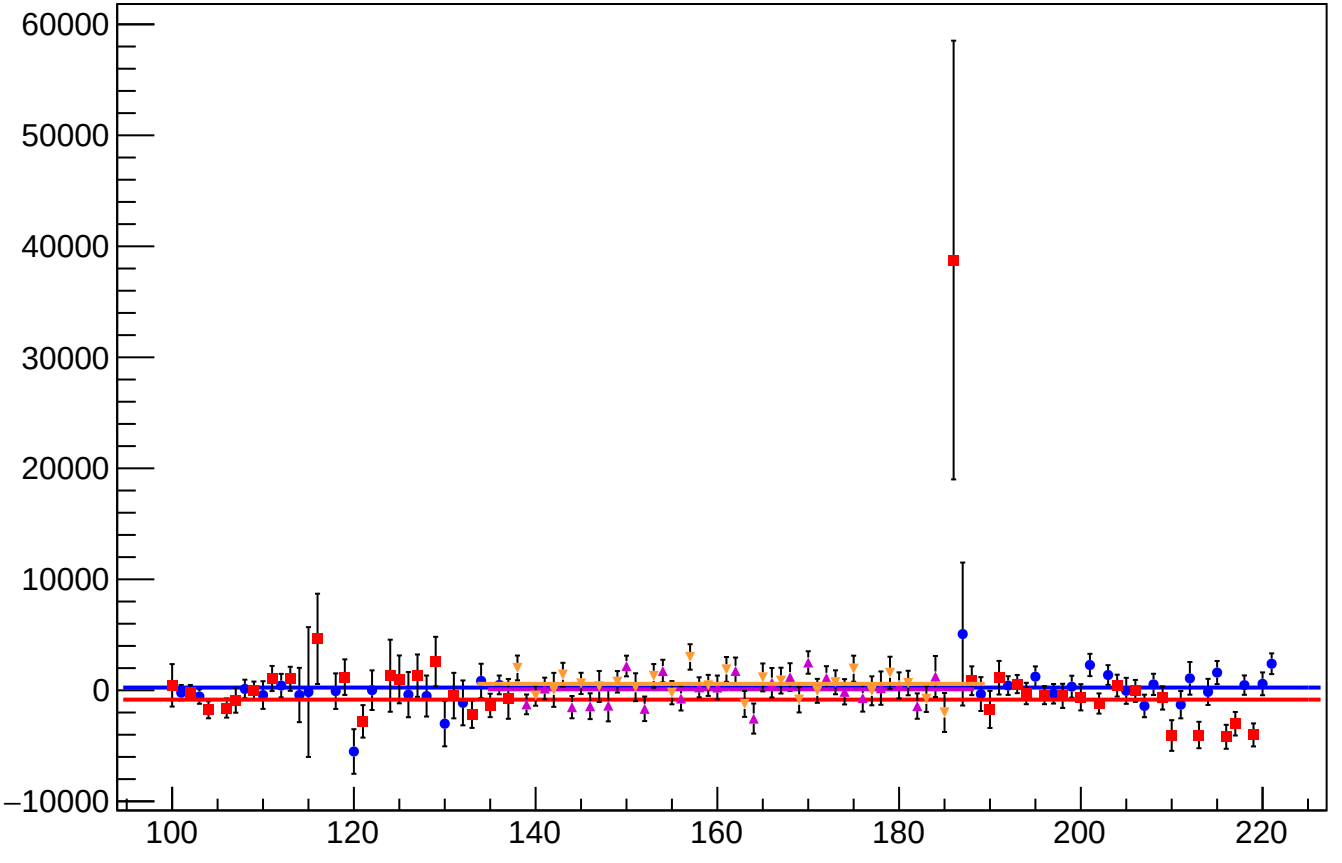
Right: 855.525+/-0.096 χ^2/NDF: 6561676.7/70

In: 927.809+/-0.106 χ^2/NDF:3616245.7/56

Out: 908.954+/-0.104 χ^2/NDF:4894482.8/61

All: 918.213+/-0.074 χ^2/NDF: 8526792.6/118

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: -837.436+/-187.242 χ^2/NDF: 71.6/36

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

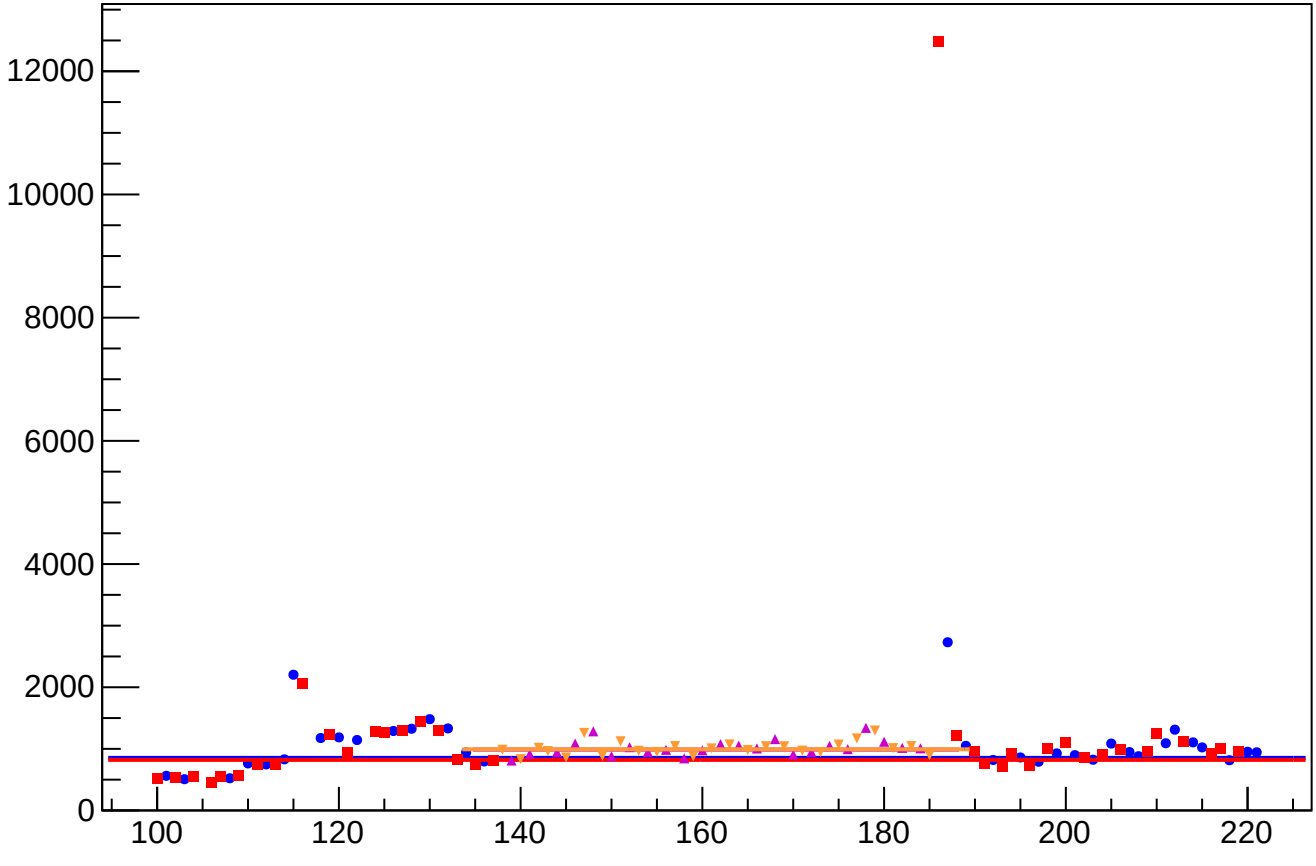
Right: -300.352+/-133.105 χ^2/NDF: 122.3/70

In: 186.465+/-146.905 χ^2/NDF:69.0/56

Out: -262.779+/-144.594 χ^2/NDF:115.7/61

All: -41.717+/-103.051 χ^2/NDF: 189.4/118

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: 820.811+/-0.132 χ^2/NDF: 3925655.8/36

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

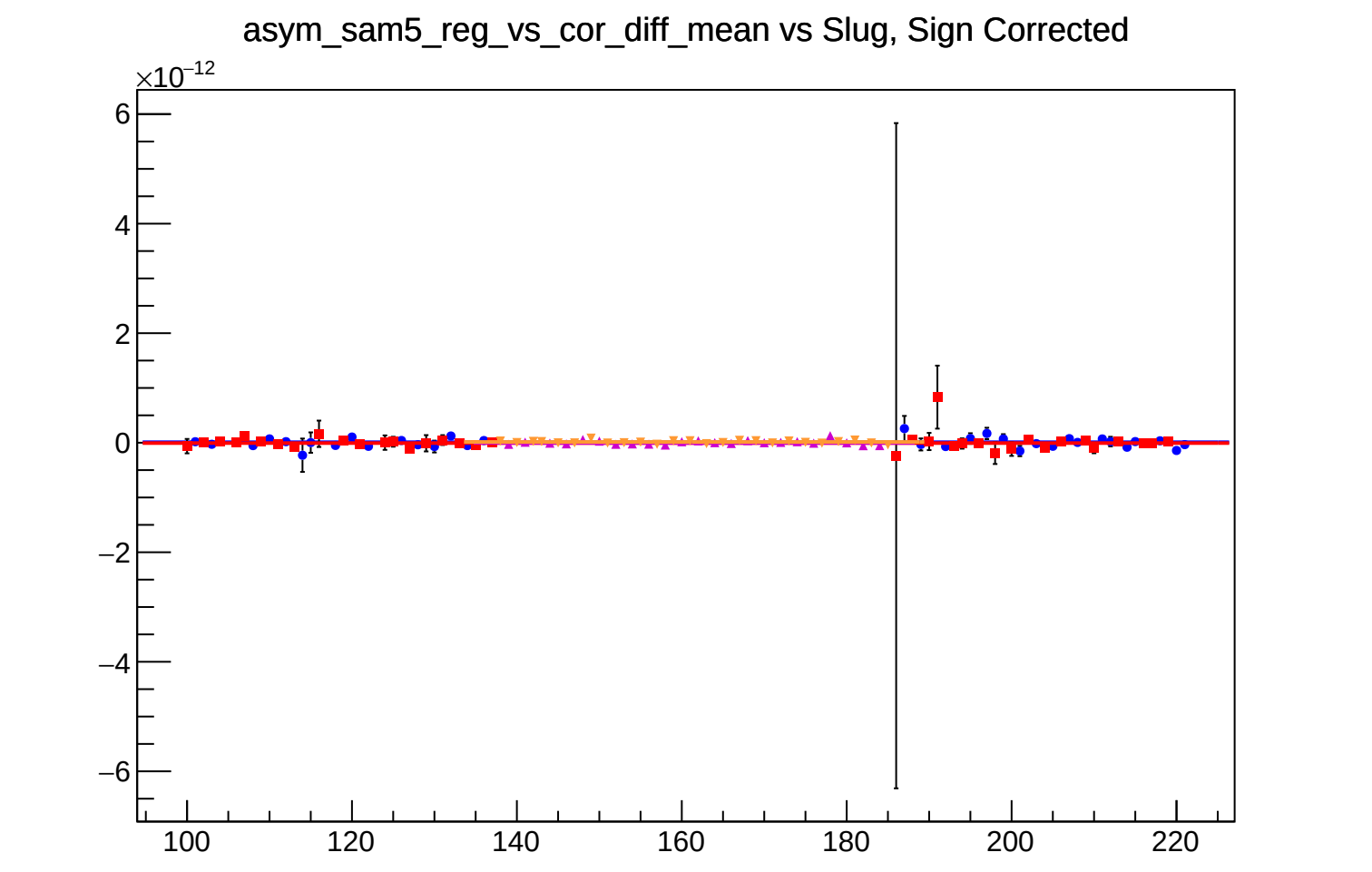
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 836.945+/-0.094 χ^2/NDF: 6830864.2/70

In: 906.828+/-0.104 χ^2/NDF:3763569.2/56

Out: 890.134+/-0.102 χ^2/NDF:5029713.6/61

All: 898.349+/-0.073 χ^2/NDF: 8806399.8/118



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: 25.4/36

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

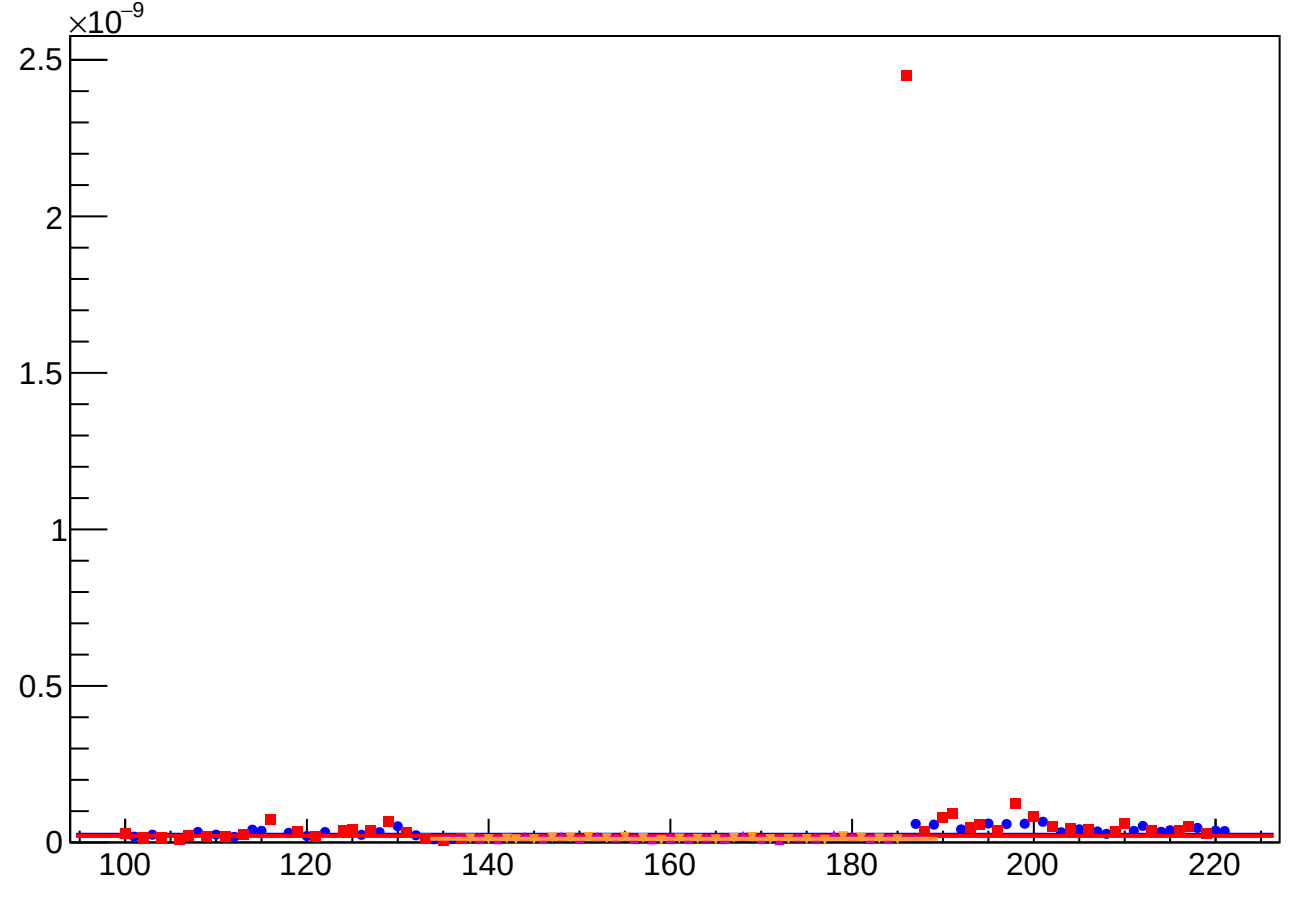
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 68.4/70

In: 0.000+/-0.000 χ^2/NDF:70.7/56

Out: 0.000+/-0.000 χ^2/NDF:53.1/61

All: 0.000+/-0.000 χ^2/NDF: 125.7/118



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: 7090911.6/36

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

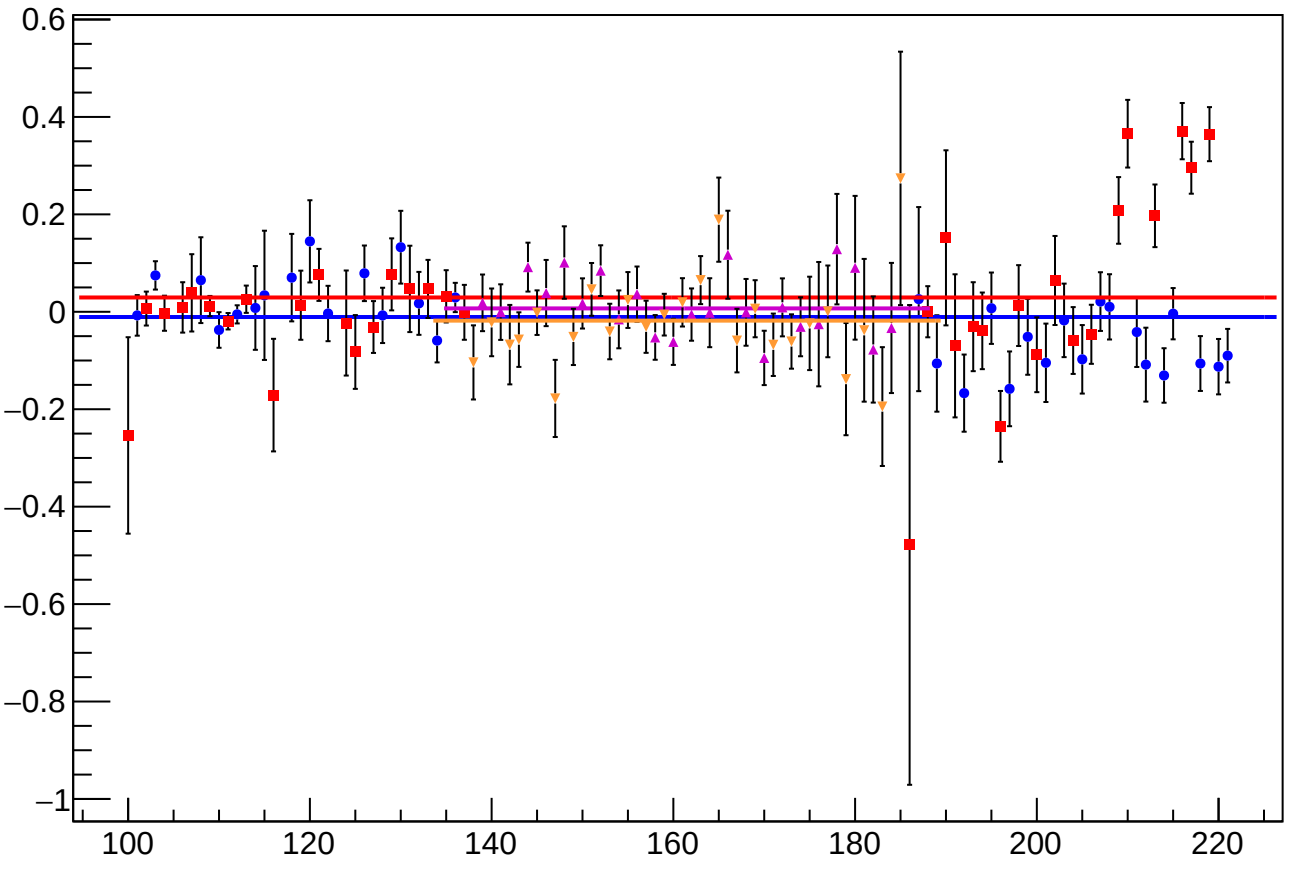
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11987091.5/70

In: 0.000+/-0.000 χ^2/NDF:7902508.2/56

Out: 0.000+/-0.000 χ^2/NDF:9711567.7/61

All: 0.000+/-0.000 χ^2/NDF: 17967908.4/118



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: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

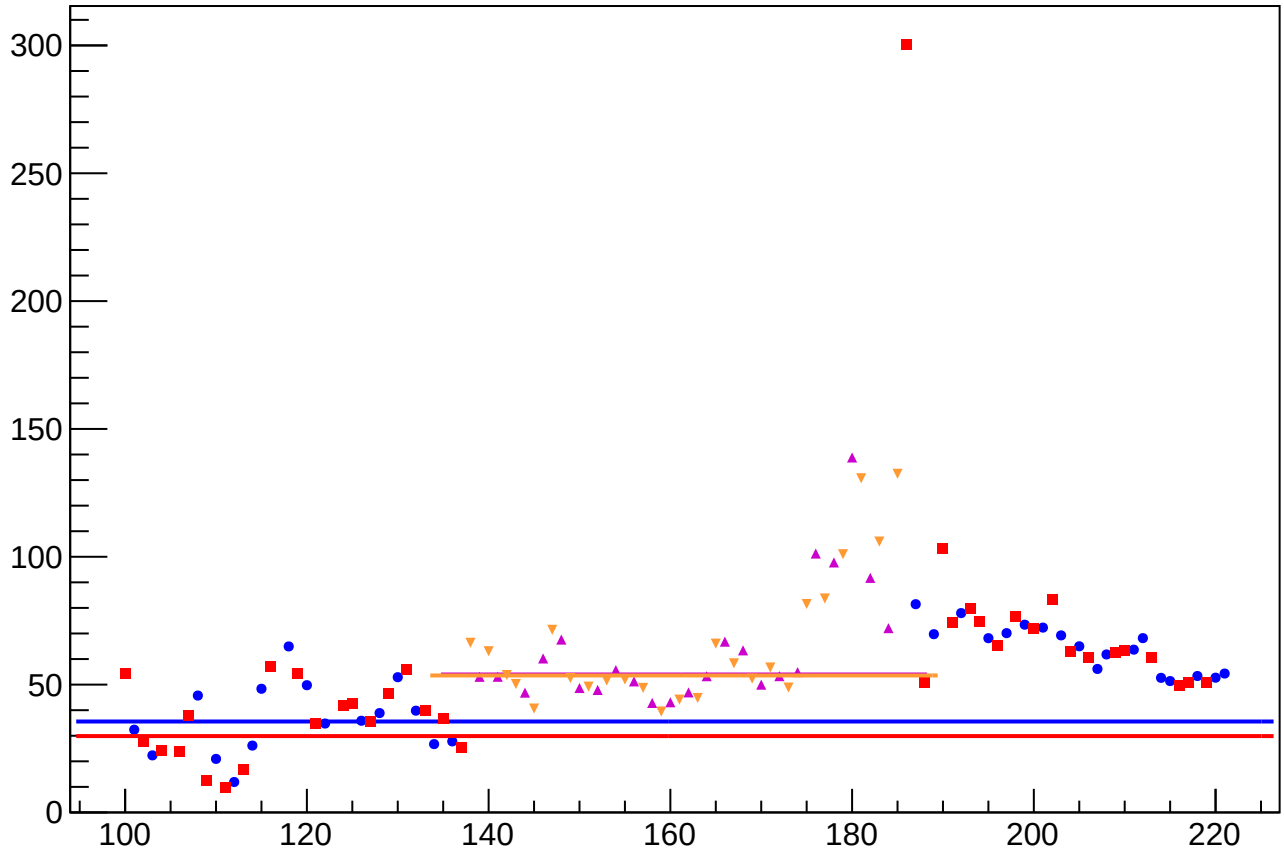
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.011+/-0.006 χ^2/NDF: 238.3/70

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.006+/-0.005 χ^2/NDF: 285.6/118



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: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

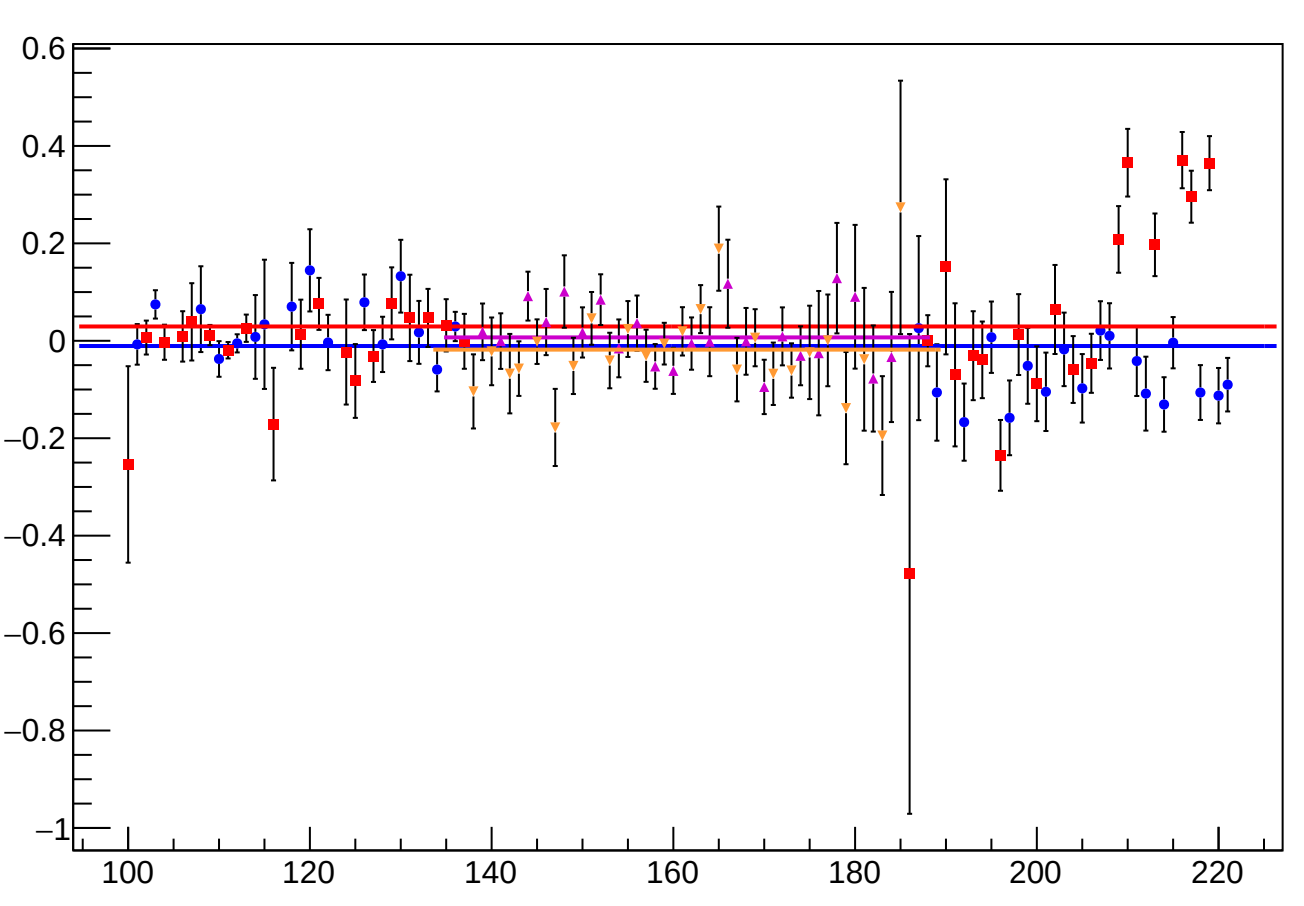
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 32.470+/-0.004 χ^2/NDF: 24587607.2/70

In: 41.279+/-0.005 χ^2/NDF:14931913.8/56

Out: 36.655+/-0.005 χ^2/NDF:21464968.7/61

All: 38.804+/-0.004 χ^2/NDF: 36820589.4/118



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: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

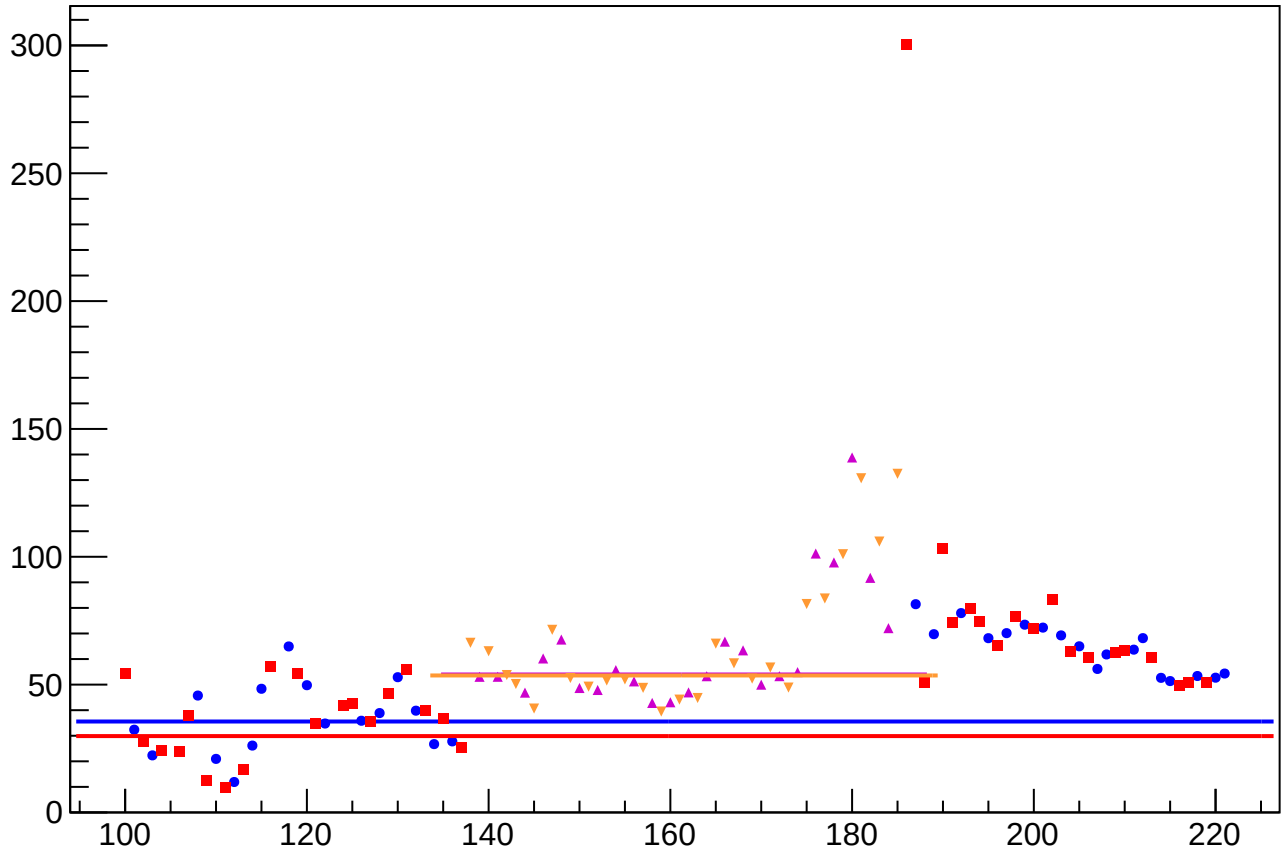
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.011+/-0.006 χ^2/NDF: 238.3/70

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.006+/-0.005 χ^2/NDF: 285.6/118



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: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

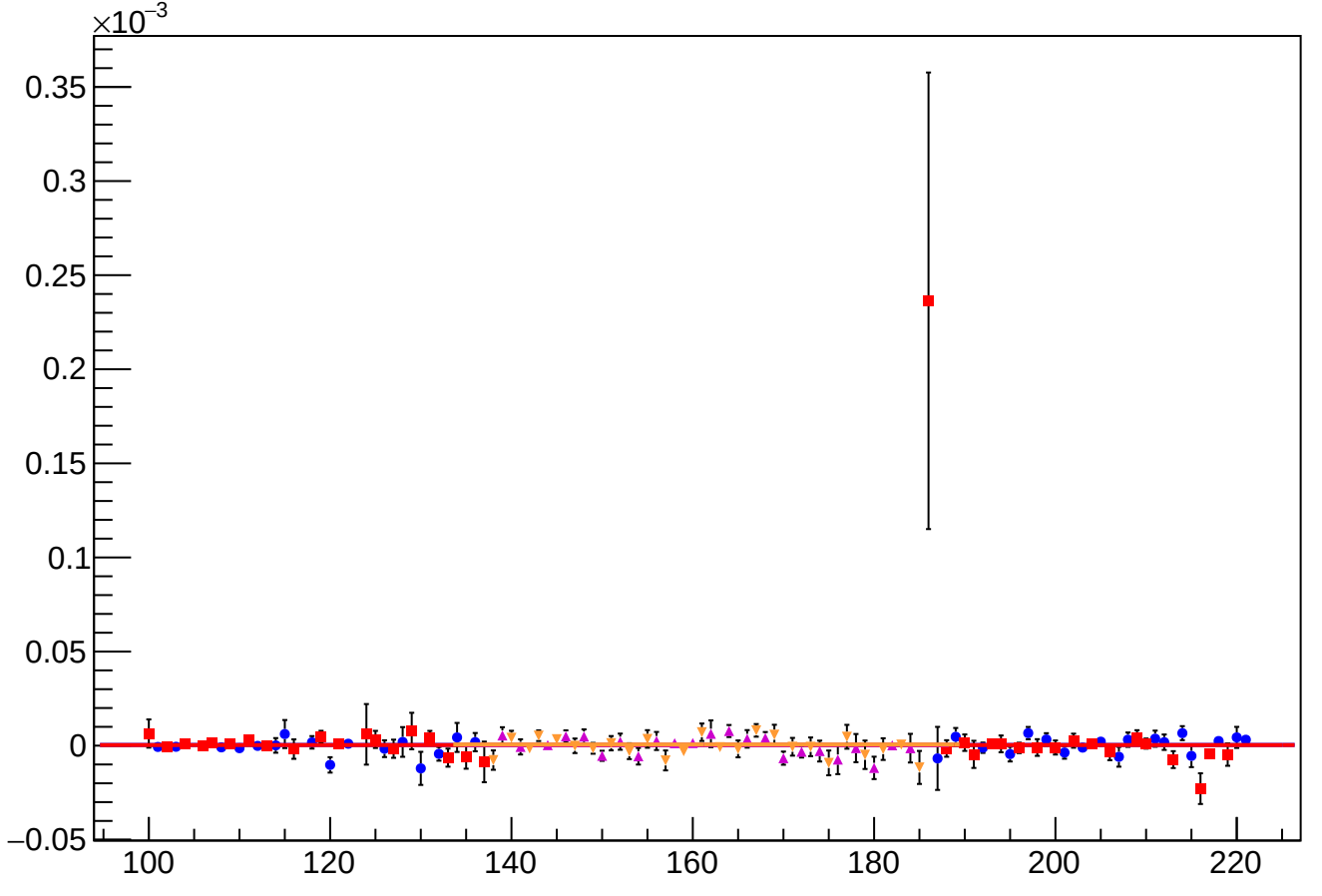
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 32.470+/-0.004 χ^2/NDF: 24587607.2/70

In: 41.279+/-0.005 χ^2/NDF:14931913.8/56

Out: 36.655+/-0.005 χ^2/NDF:21464968.7/61

All: 38.804+/-0.004 χ^2/NDF: 36820589.4/118



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: 37.2/36

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

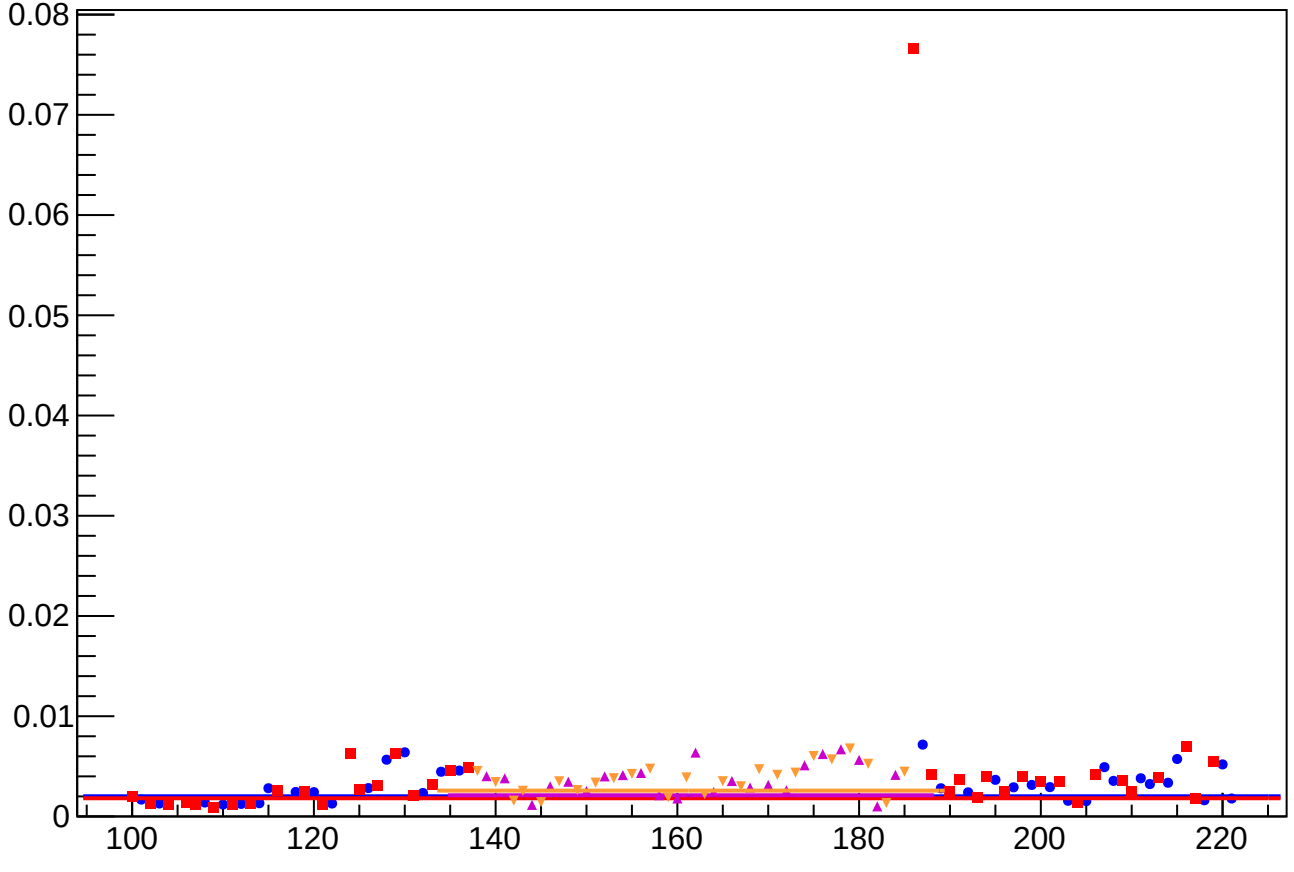
Right: 0.000+/-0.000 χ^2/NDF: 71.5/70

In: 0.000+/-0.000 χ^2/NDF:65.3/56

Out: 0.000+/-0.000 χ^2/NDF:68.3/61

All: 0.000+/-0.000 χ^2/NDF: 133.5/118

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 10599142.3/36

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

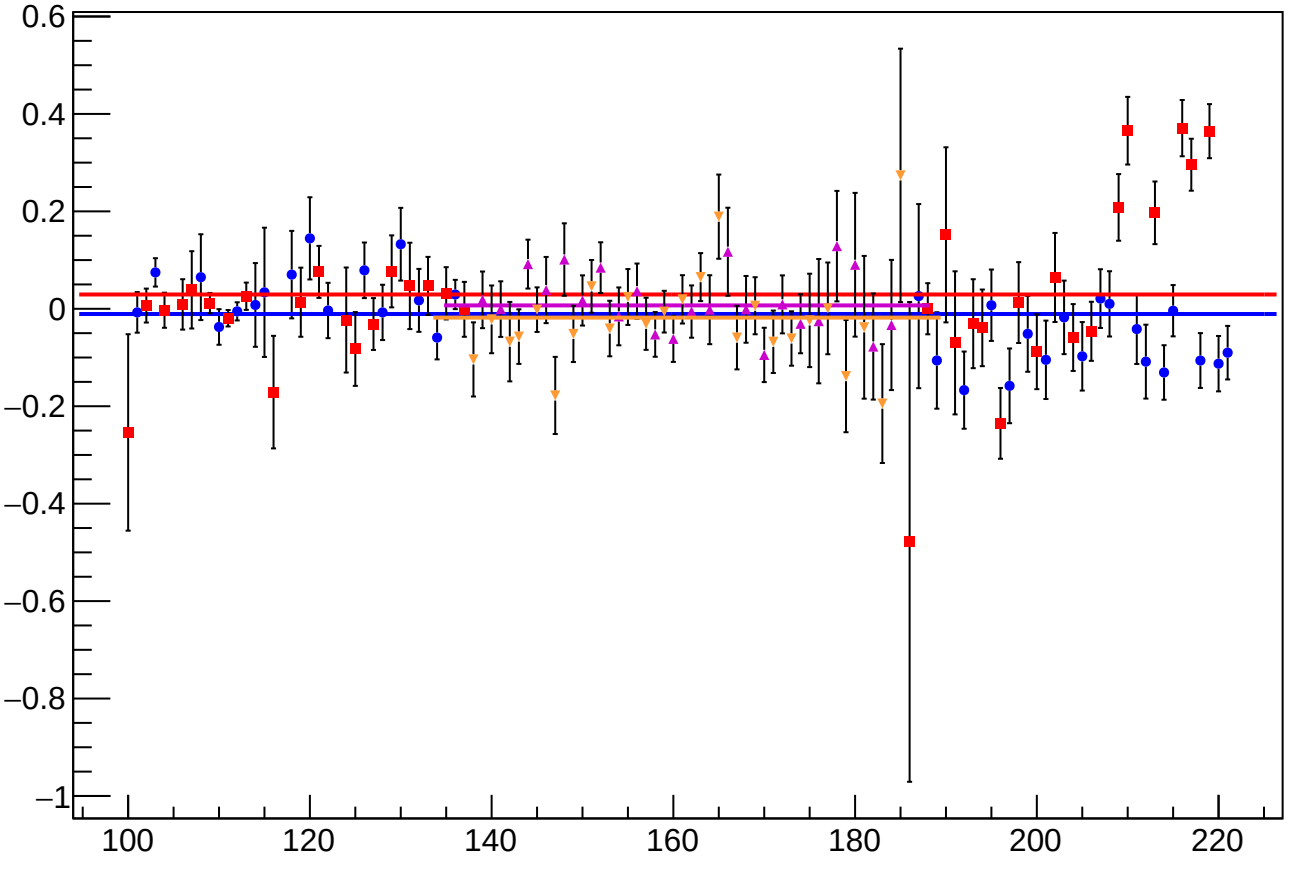
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 18906506.7/70

In: 0.002+/-0.000 χ^2/NDF:17665886.3/56

Out: 0.002+/-0.000 χ^2/NDF:19474484.7/61

All: 0.002+/-0.000 χ^2/NDF: 37141610.0/118



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: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

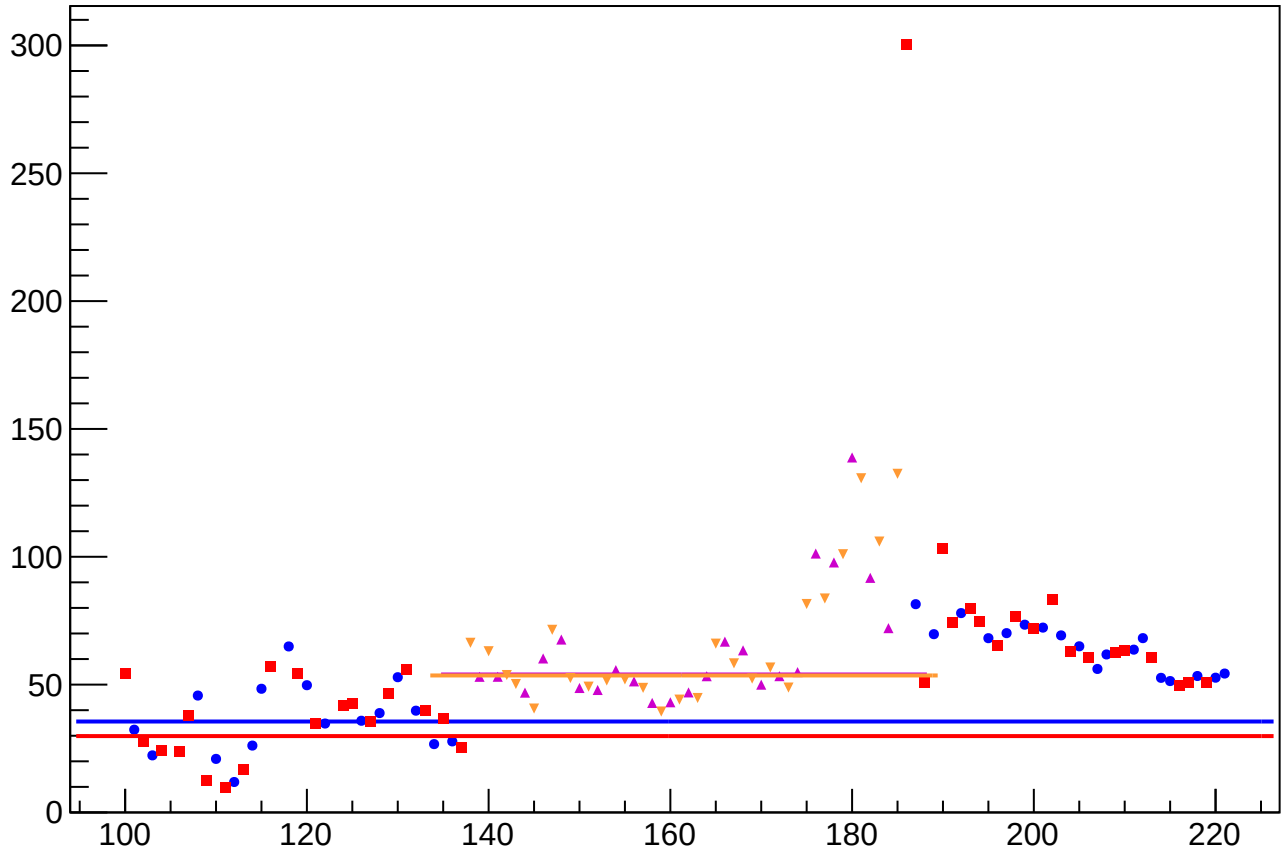
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.011+/-0.006 χ^2/NDF: 238.3/70

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.006+/-0.005 χ^2/NDF: 285.6/118



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: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

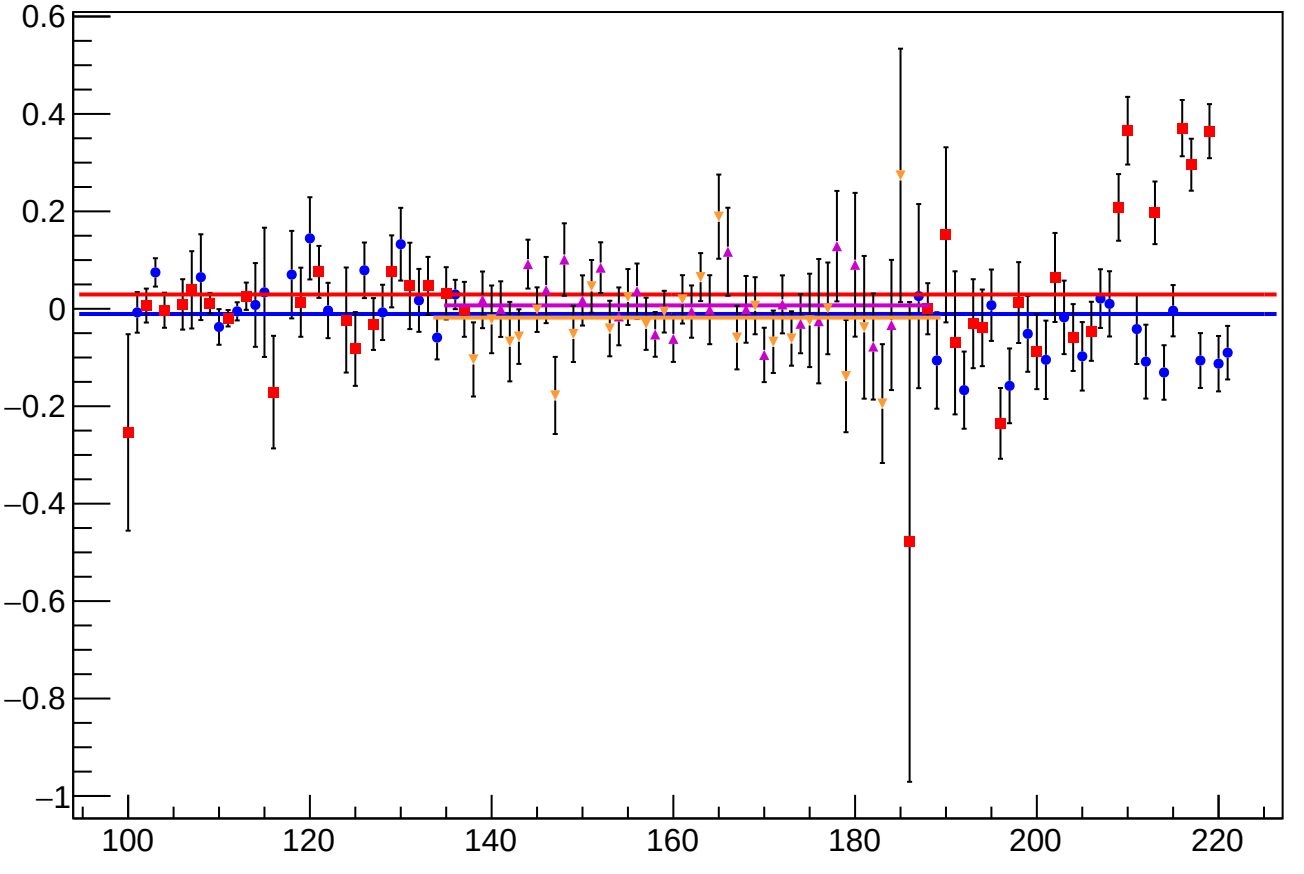
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 32.469+/-0.004 χ^2/NDF: 24588013.6/70

In: 41.278+/-0.005 χ^2/NDF:14932417.1/56

Out: 36.654+/-0.005 χ^2/NDF:21465680.3/61

All: 38.803+/-0.004 χ^2/NDF: 36821833.9/118



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: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

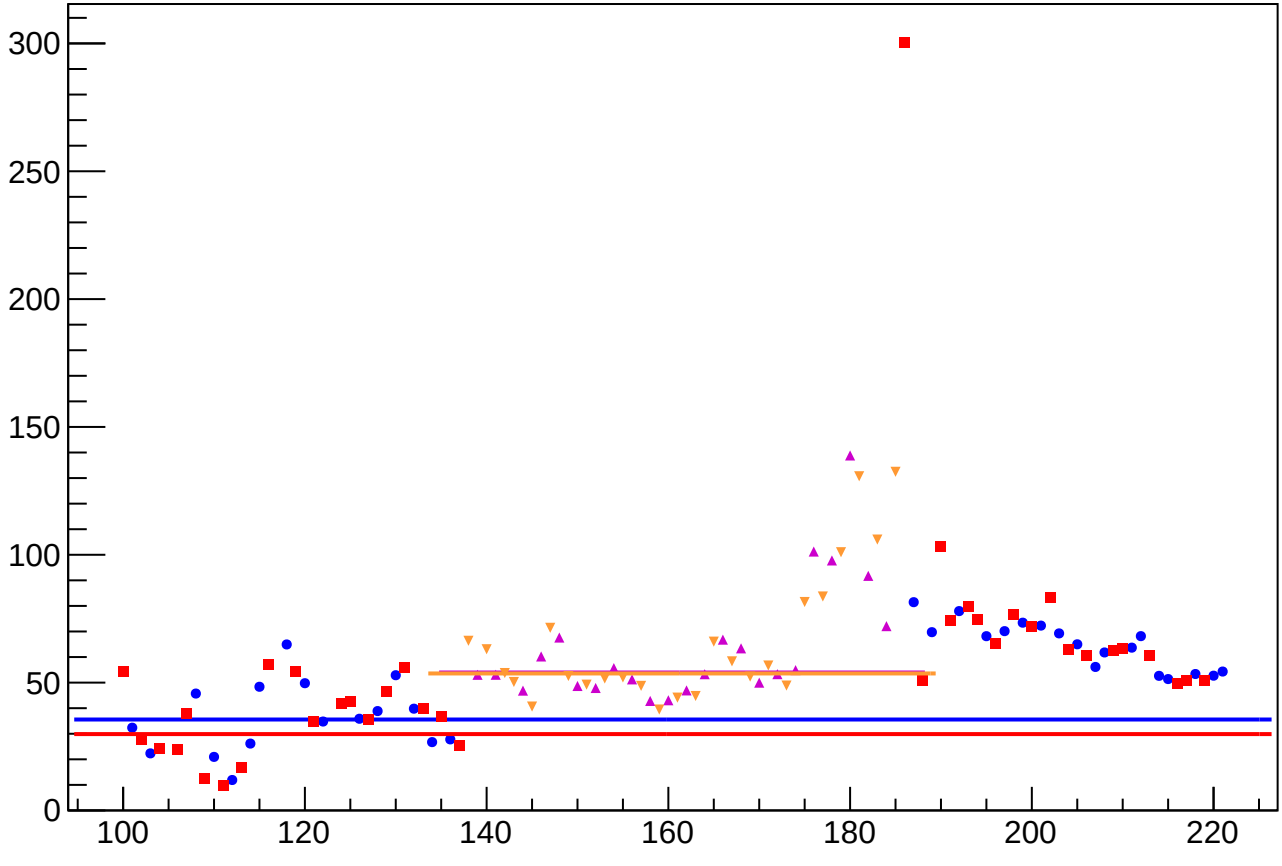
Right: 0.011+/-0.006 χ^2/NDF: 238.3/70

In: -0.005+/-0.007 χ^2/NDF:70.4/56

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.006+/-0.005 χ^2/NDF: 285.6/118

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: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

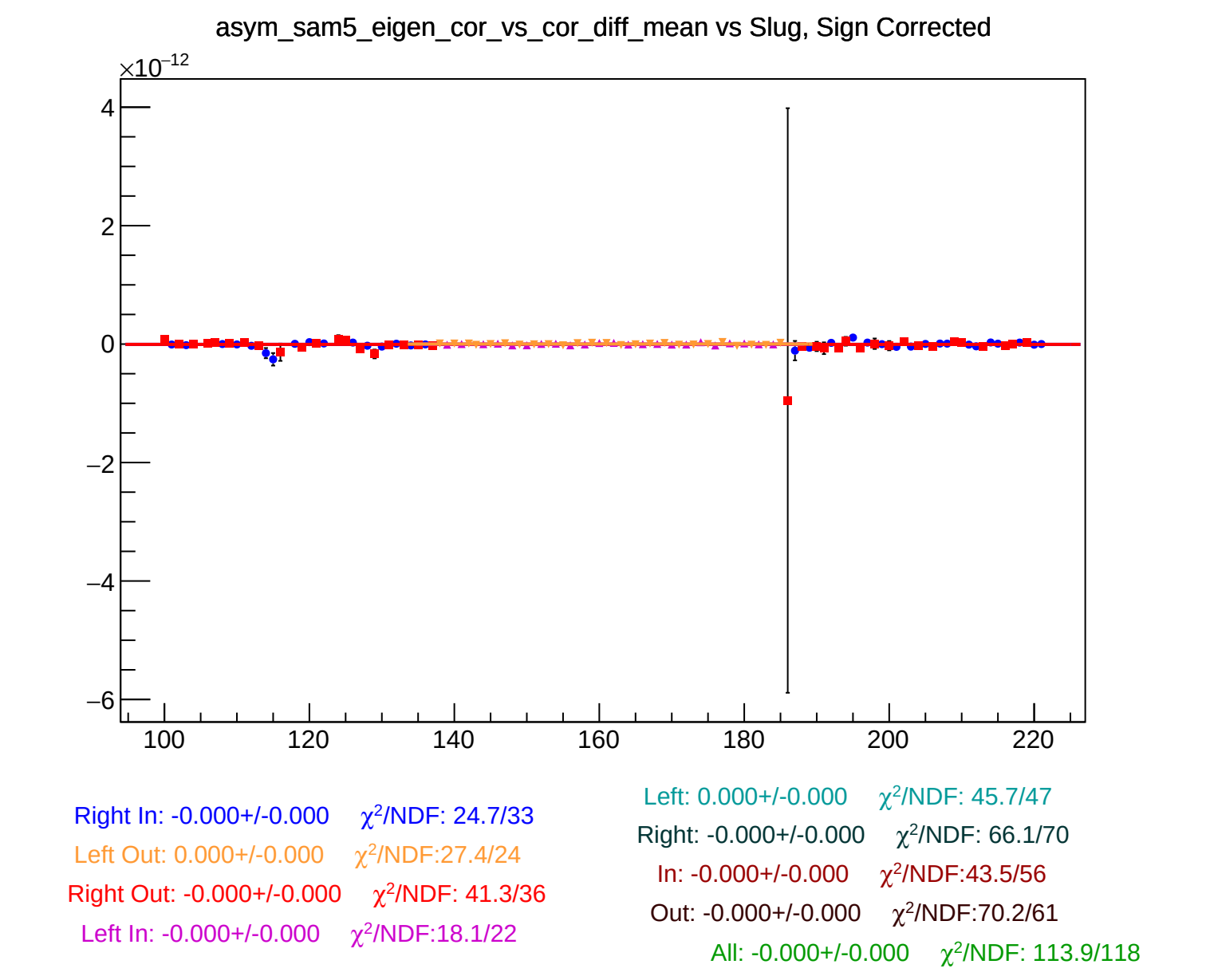
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

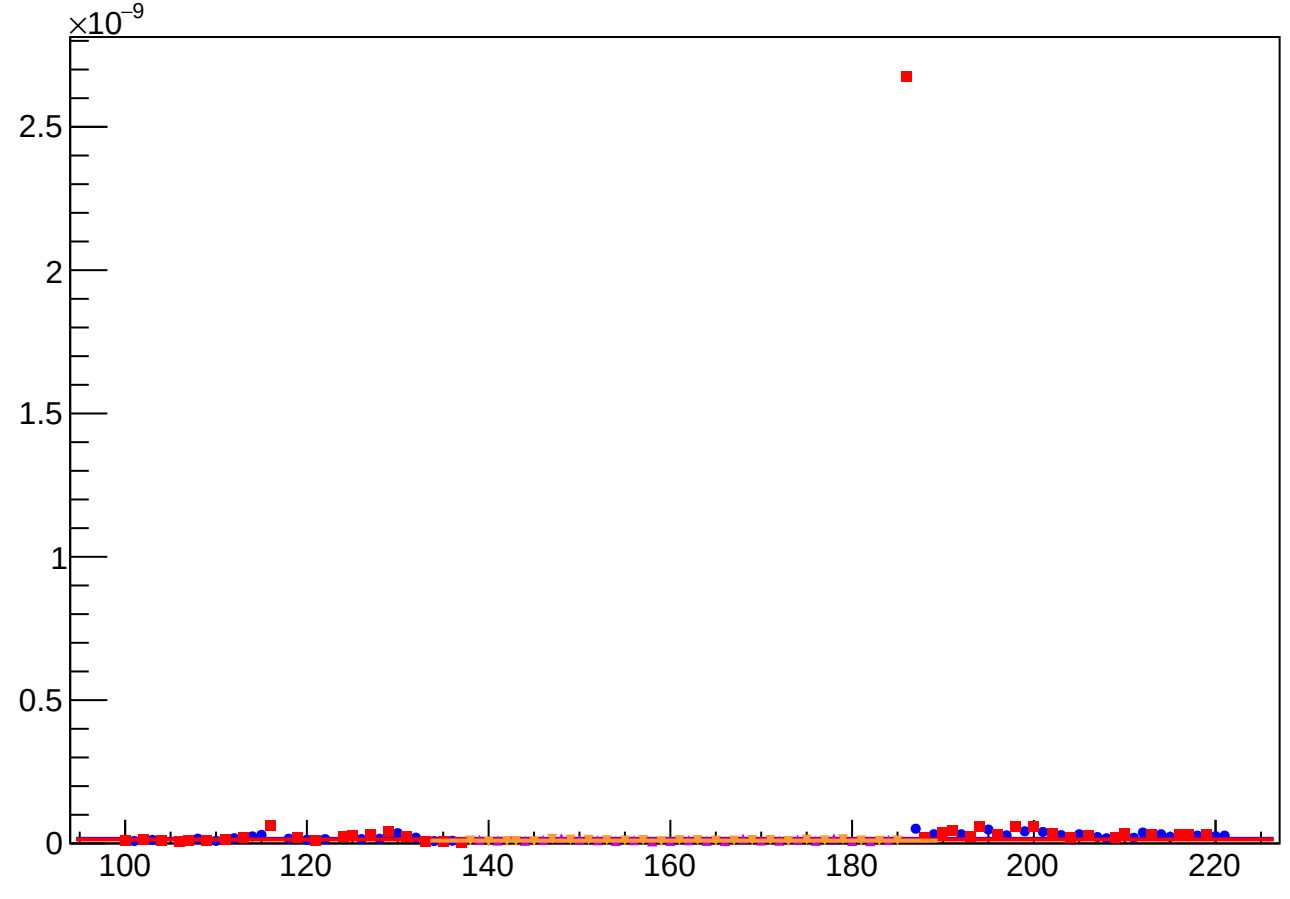
Right: 32.469+/-0.004 χ^2/NDF: 24588013.6/70

In: 41.278+/-0.005 χ^2/NDF:14932417.1/56

Out: 36.654+/-0.005 χ^2/NDF:21465680.3/61

All: 38.803+/-0.004 χ^2/NDF: 36821833.9/118


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 24.7/33
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 41.3/36
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 66.1/70
In: -0.000+/-0.000 χ²/NDF:43.5/56
Out: -0.000+/-0.000 χ²/NDF:70.2/61
All: -0.000+/-0.000 χ²/NDF: 113.9/118



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: 10191052.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

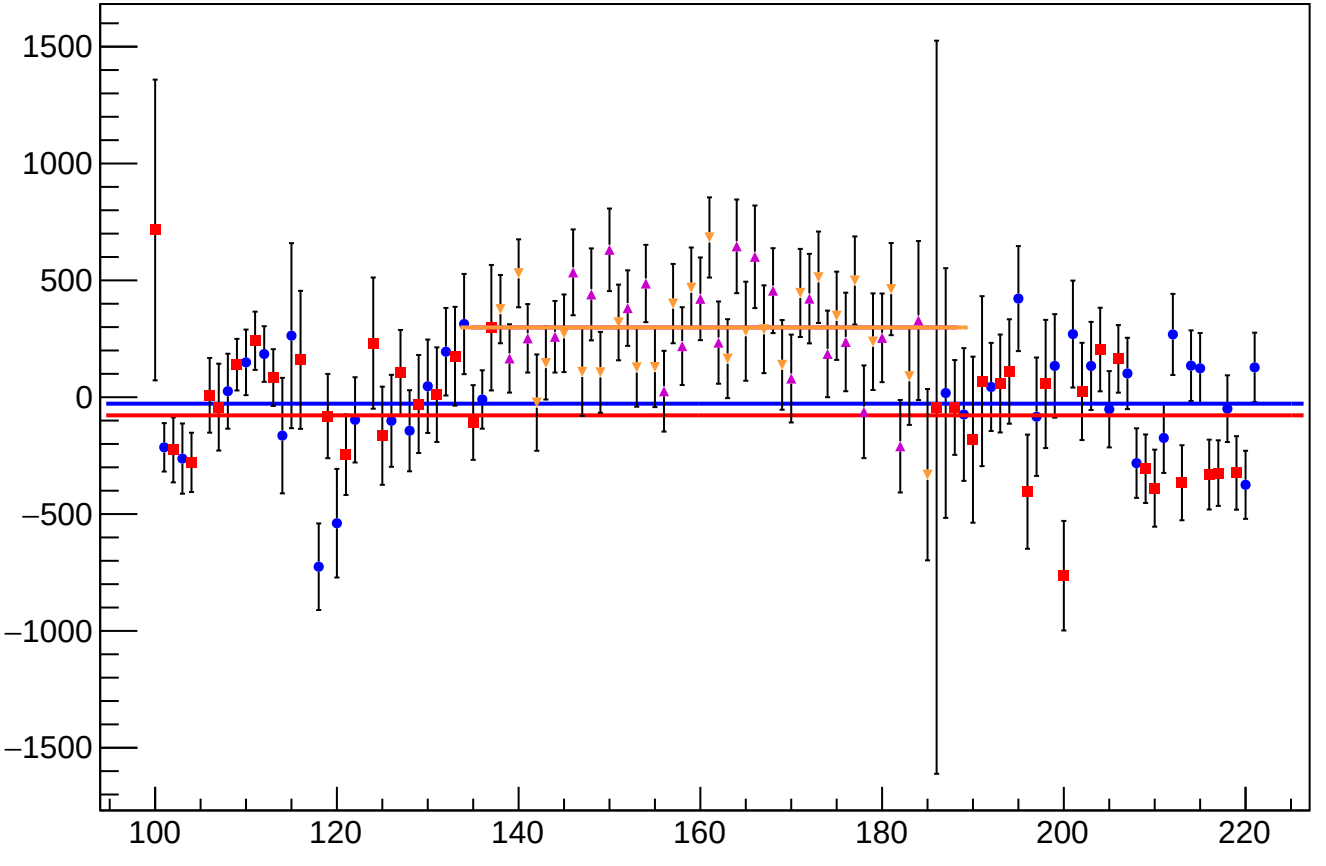
Right: 0.000+/-0.000 χ^2/NDF: 17118367.7/70

In: 0.000+/-0.000 χ^2/NDF:10195424.9/56

Out: 0.000+/-0.000 χ^2/NDF:12489490.1/61

All: 0.000+/-0.000 χ^2/NDF: 22819063.1/118

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: -77.512+/-29.443 χ^2/NDF: 60.5/36

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

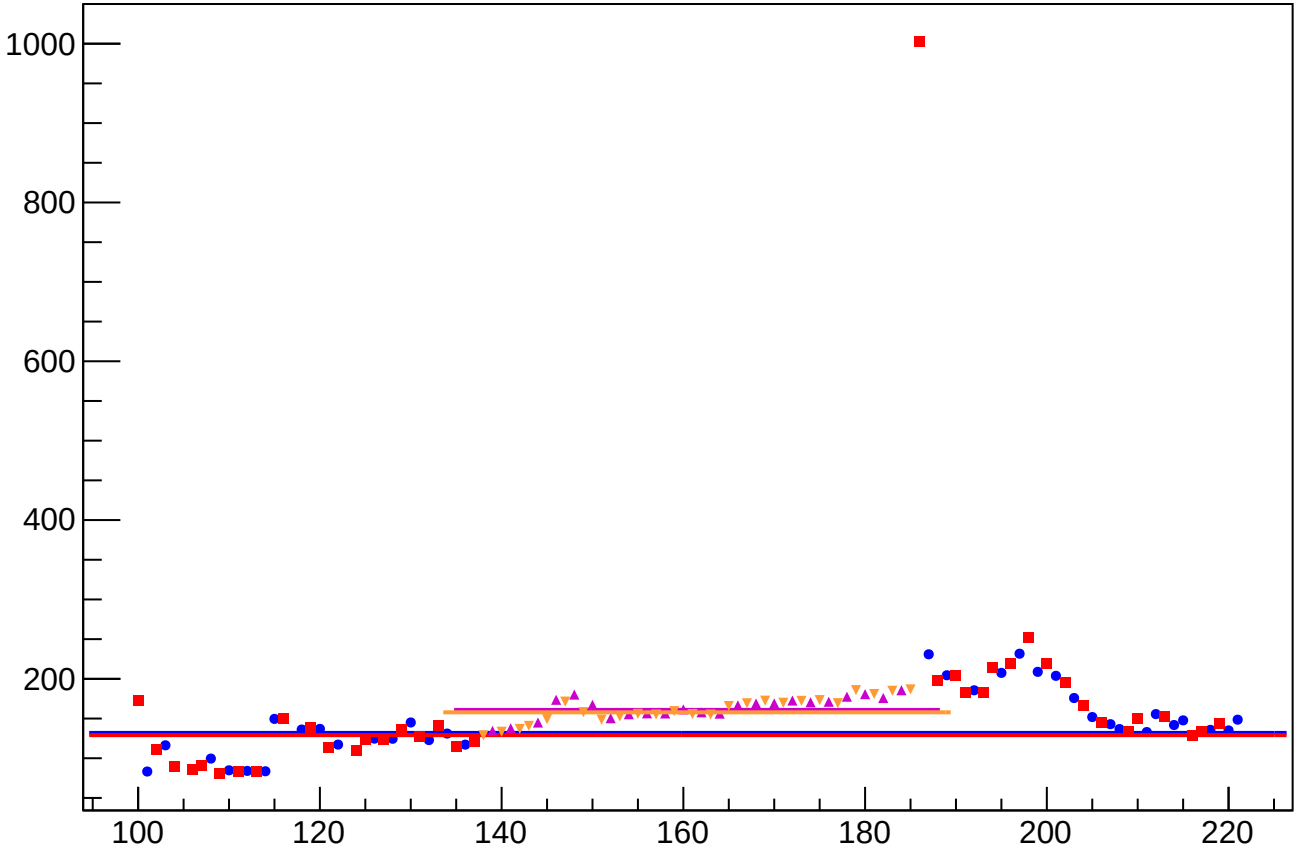
Right: -52.323+/-20.717 χ^2/NDF: 120.9/70

In: 94.385+/-23.069 χ^2/NDF:135.2/56

Out: 72.944+/-22.804 χ^2/NDF:151.7/61

All: 83.541+/-16.218 χ^2/NDF: 287.4/118

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: 129.086+/-0.021 χ^2/NDF: 4268901.9/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

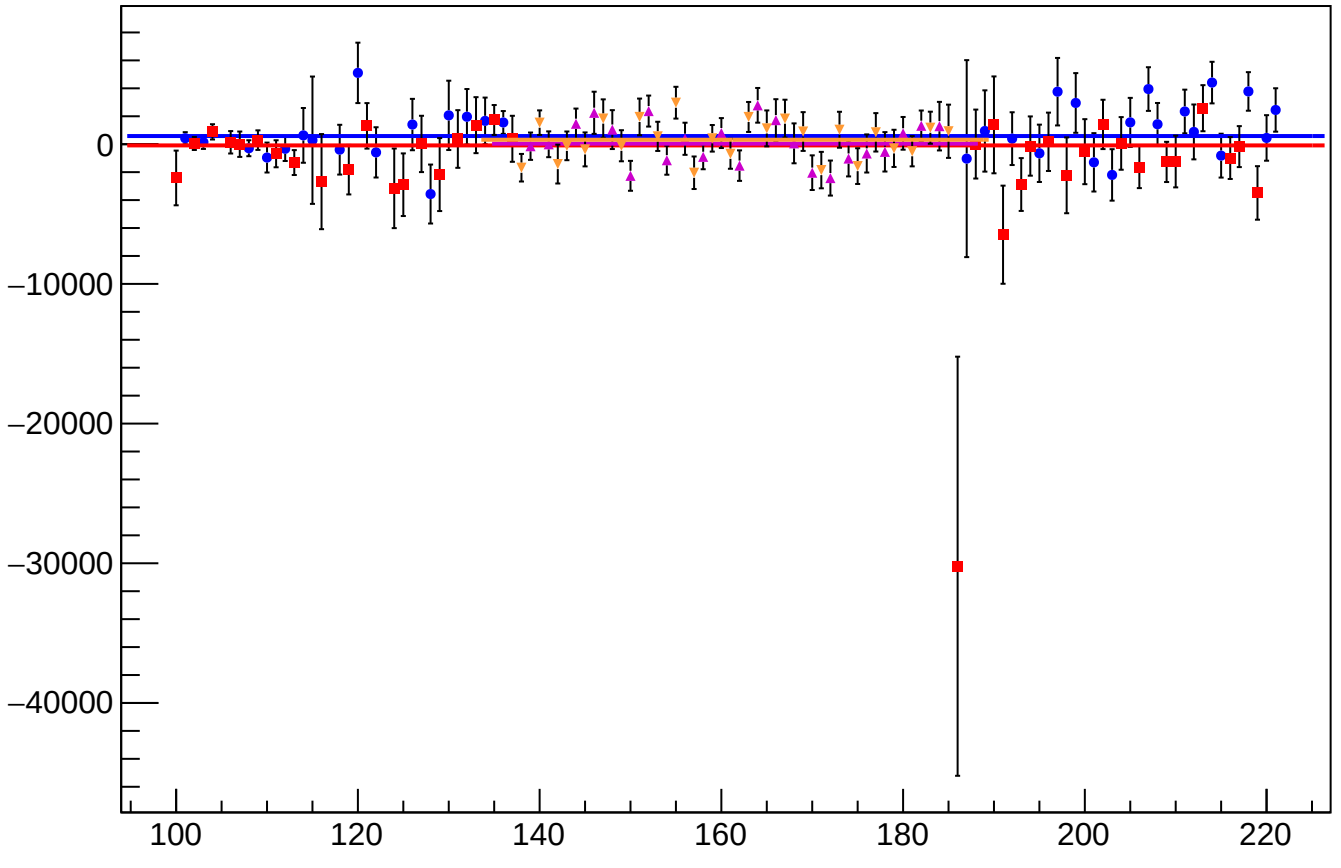
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.511+/-0.015 χ^2/NDF: 7096832.8/70

In: 142.739+/-0.016 χ^2/NDF:3825096.3/56

Out: 140.589+/-0.016 χ^2/NDF:5409180.4/61

All: 141.652+/-0.011 χ^2/NDF: 9243063.5/118



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: -85.696+/-207.149 χ^2/NDF: 35.9/36

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

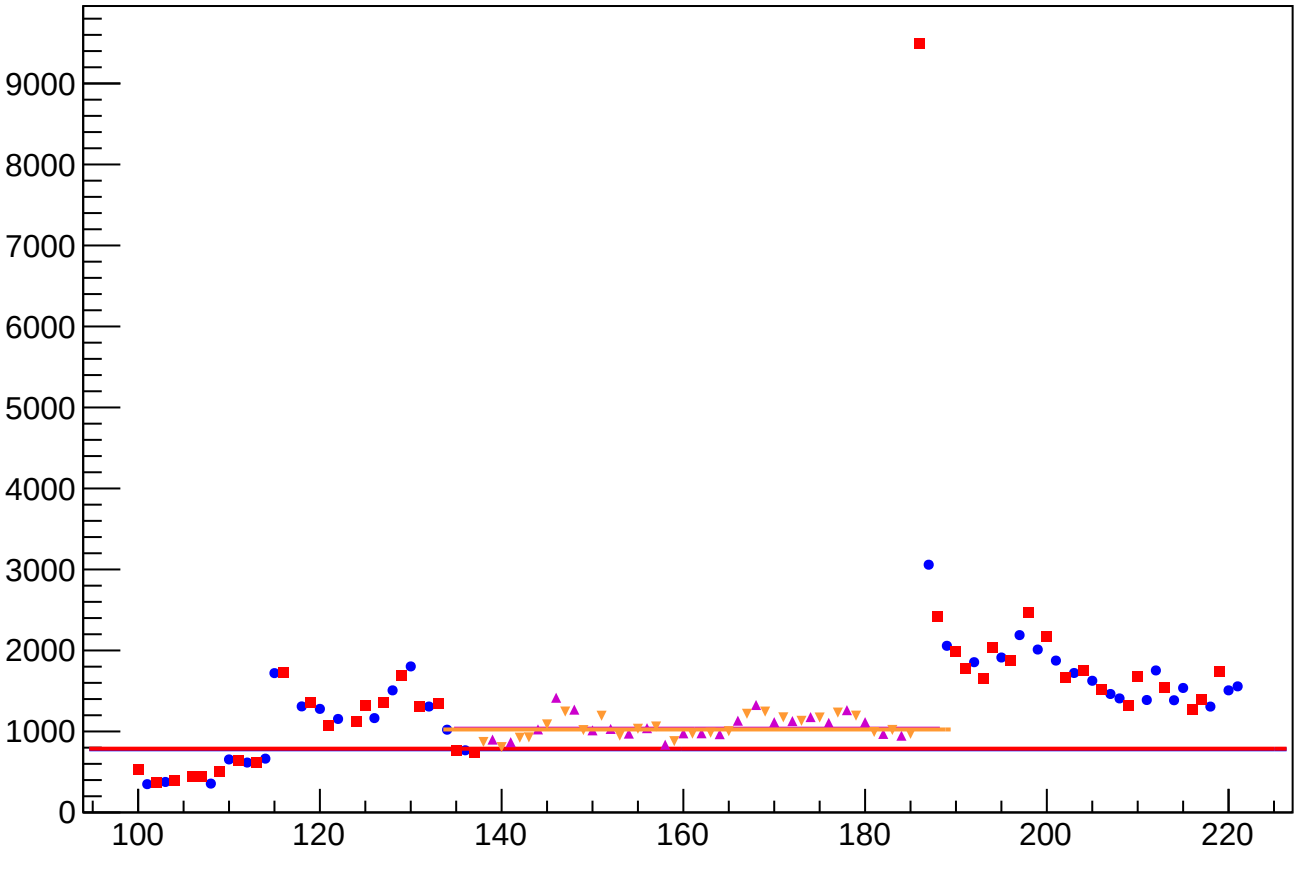
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 257.025+/-144.826 χ^2/NDF: 86.8/70

In: 362.324+/-155.894 χ^2/NDF:83.3/56

Out: 91.603+/-155.419 χ^2/NDF:70.1/61

All: 226.551+/-110.065 χ^2/NDF: 154.9/118



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: 787.279+/-0.146 χ^2/NDF: 13741708.3/36

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

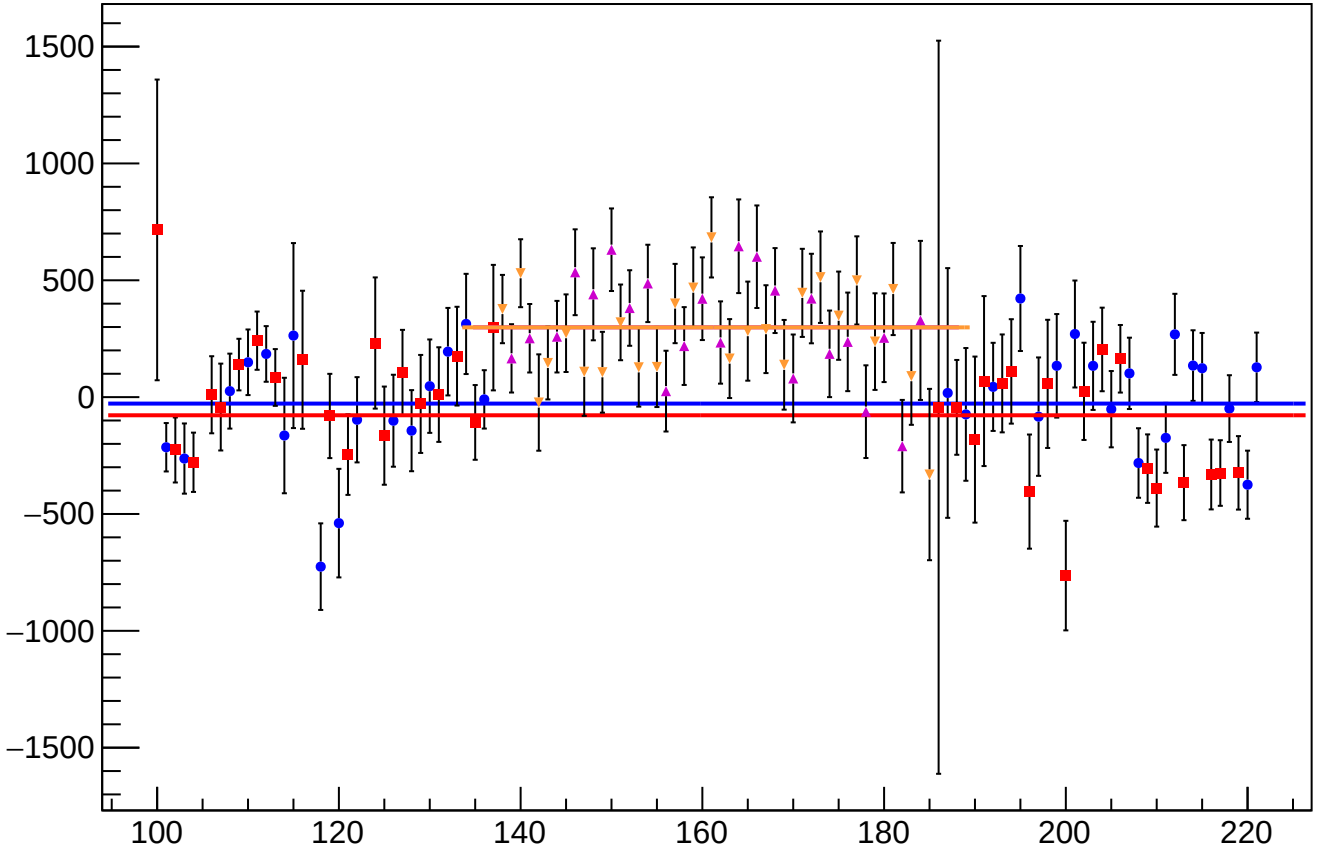
Right: 783.436+/-0.102 χ^2/NDF: 27855856.3/70

In: 883.584+/-0.110 χ^2/NDF:16030099.6/56

Out: 890.961+/-0.110 χ^2/NDF:15485669.7/61

All: 887.284+/-0.078 χ^2/NDF: 31518015.2/11

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: -77.645+/-29.473 χ^2/NDF: 60.5/36

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

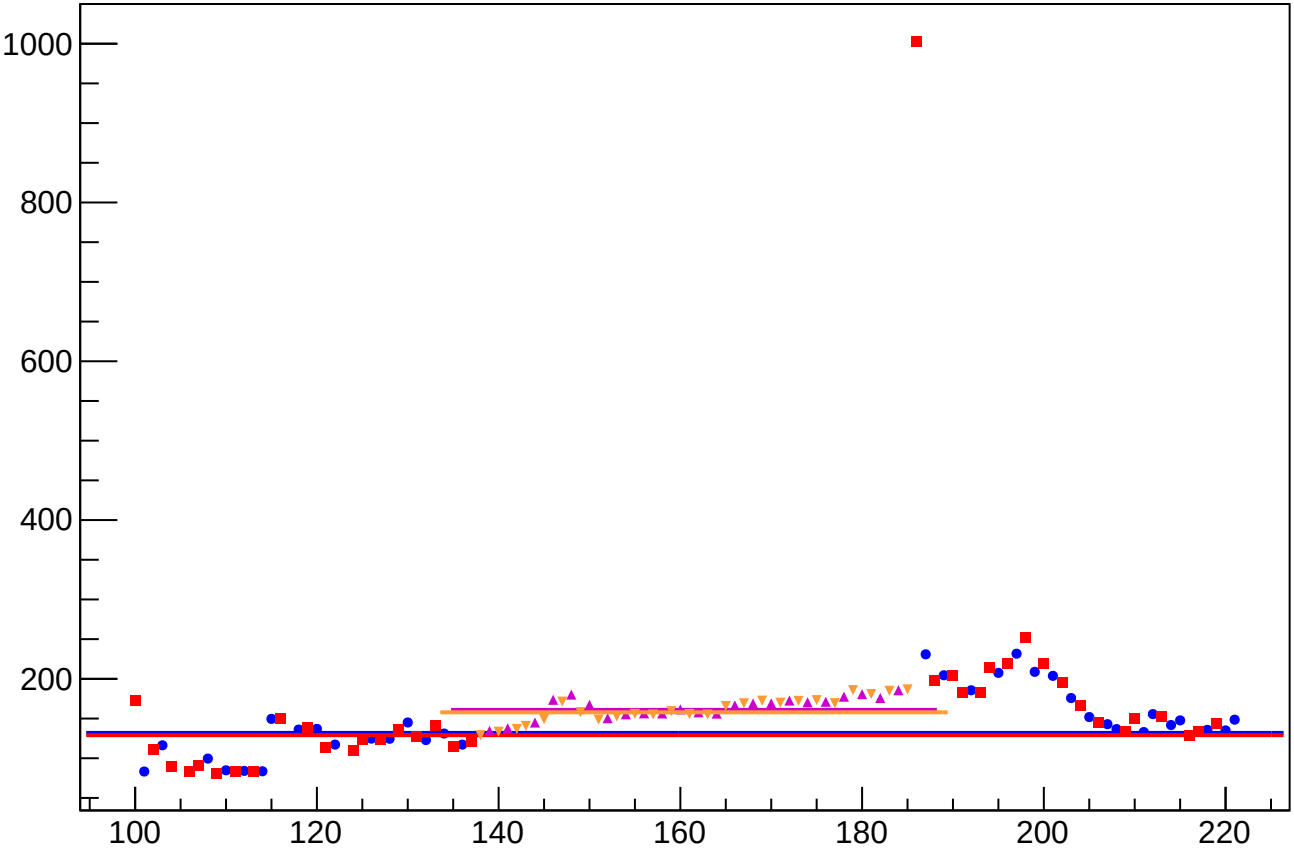
Right: -52.368+/-20.727 χ^2/NDF: 120.9/70

In: 94.381+/-23.069 χ^2/NDF:135.3/56

Out: 73.052+/-22.818 χ^2/NDF:151.7/61

All: 83.600+/-16.223 χ^2/NDF: 287.4/118

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: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

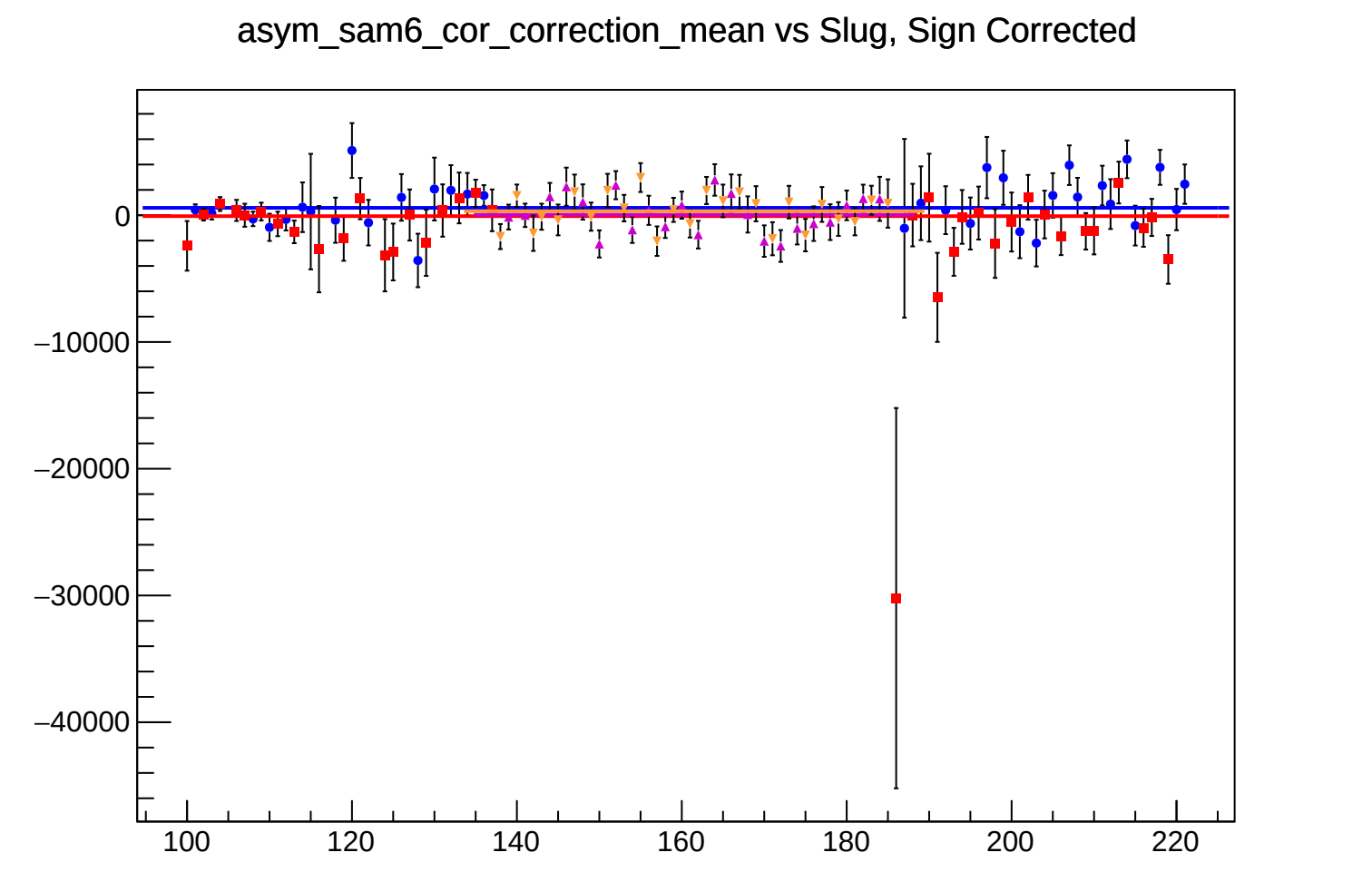
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.507+/-0.015 χ^2/NDF: 7108758.9/70

In: 142.739+/-0.016 χ^2/NDF:3825092.0/56

Out: 140.597+/-0.016 χ^2/NDF:5421014.0/61

All: 141.656+/-0.011 χ^2/NDF: 9254826.8/118



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: -72.289+/-207.593 χ^2/NDF: 36.1/36

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

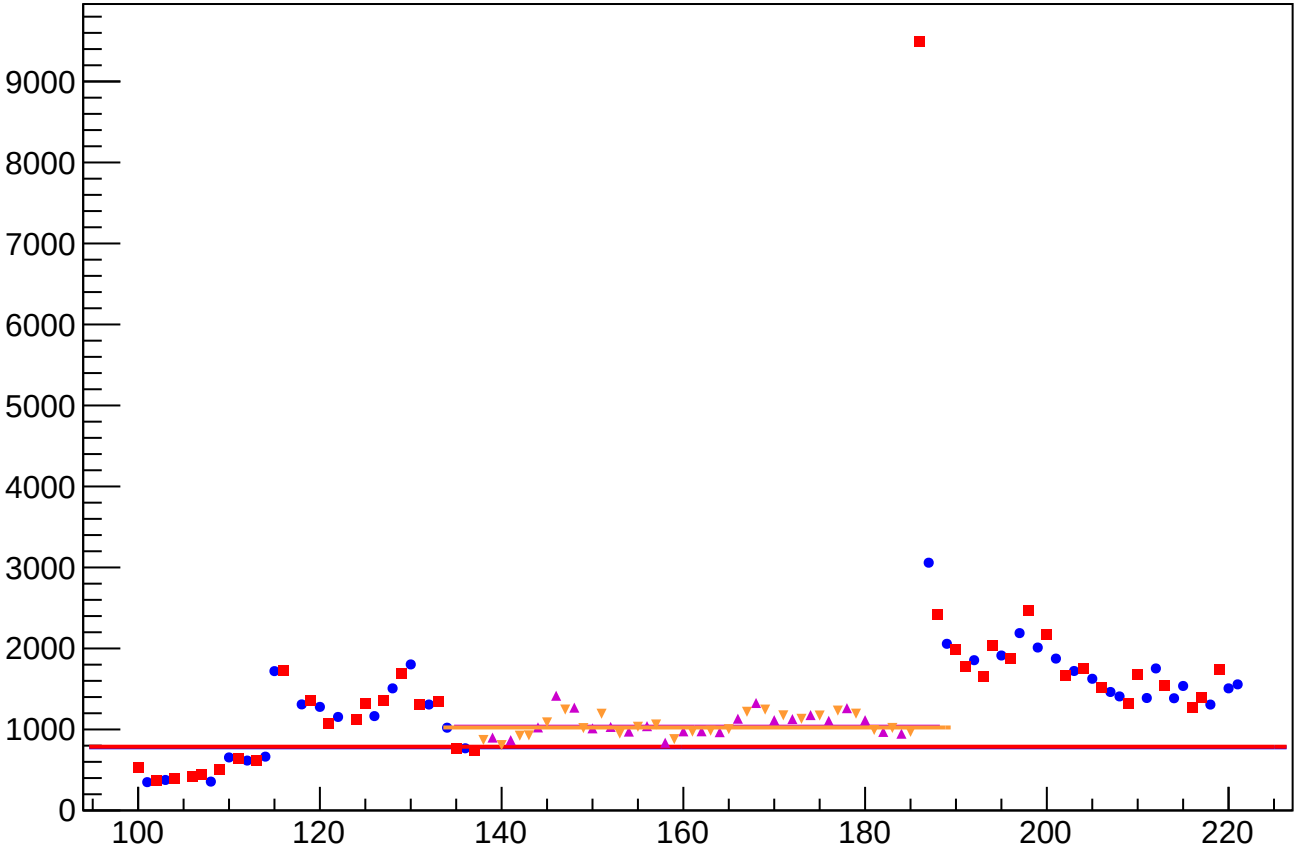
Right: 264.339+/-144.976 χ^2/NDF: 86.8/70

In: 362.387+/-155.892 χ^2/NDF:83.3/56

Out: 99.567+/-155.607 χ^2/NDF:70.2/61

All: 230.736+/-110.131 χ^2/NDF: 154.9/118

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



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: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

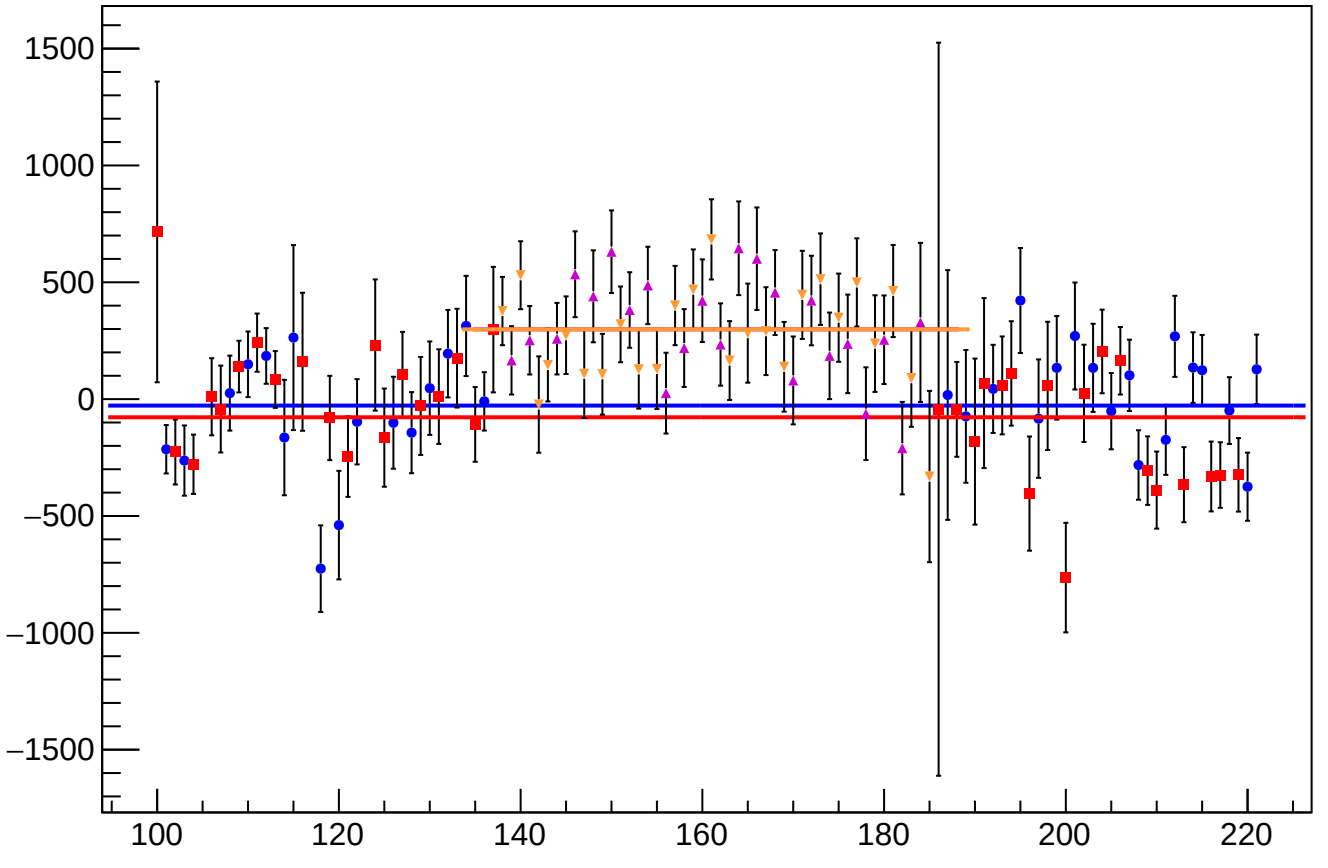
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 783.273+/-0.103 χ^2/NDF: 27892359.6/70

In: 883.565+/-0.110 χ^2/NDF:16031142.6/56

Out: 891.050+/-0.110 χ^2/NDF:15522164.3/61

All: 887.314+/-0.078 χ^2/NDF: 31555616.5/1



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: -77.645+/-29.473 χ^2/NDF: 60.5/36

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

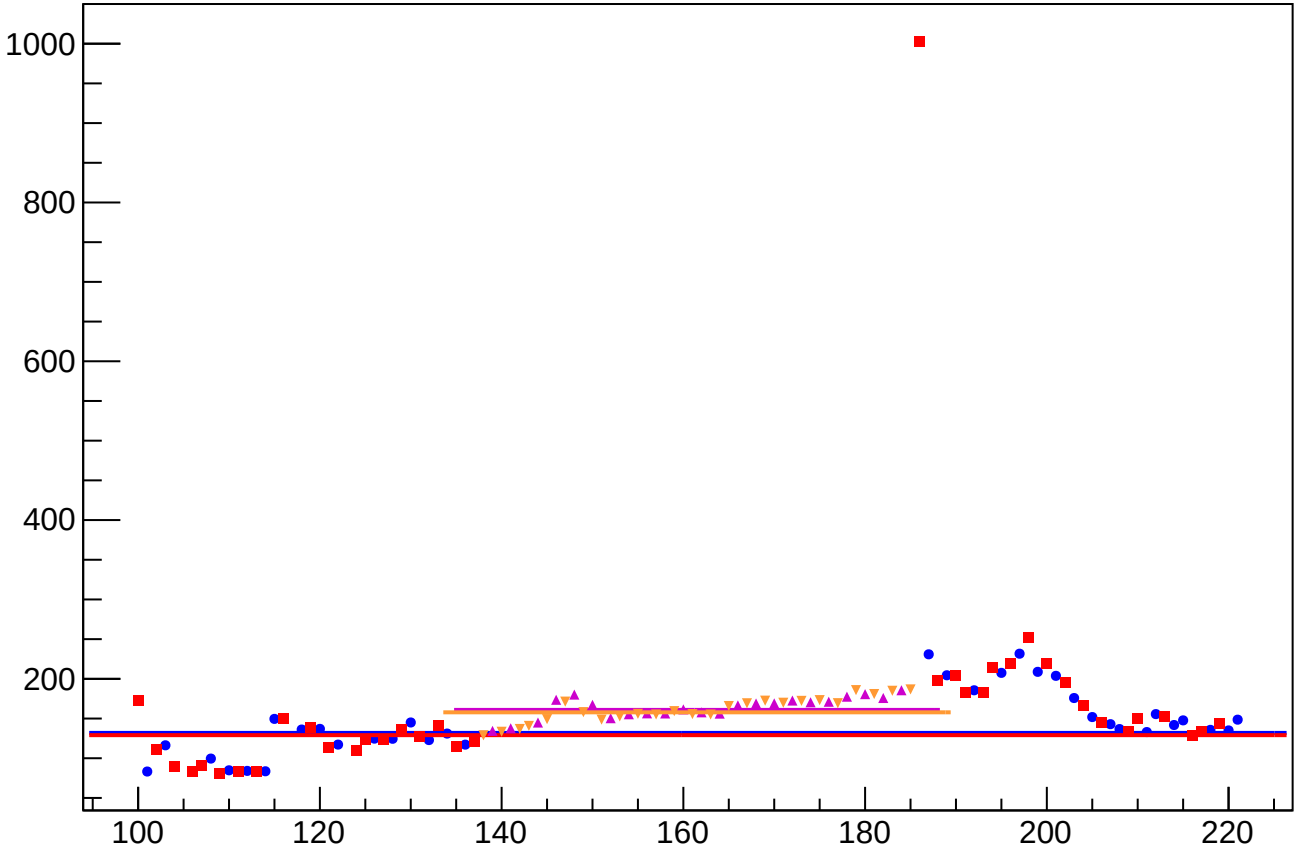
Right: -52.368+/-20.727 χ^2/NDF: 120.9/70

In: 94.381+/-23.069 χ^2/NDF:135.3/56

Out: 73.052+/-22.818 χ^2/NDF:151.7/61

All: 83.600+/-16.223 χ^2/NDF: 287.4/118

eigen_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: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

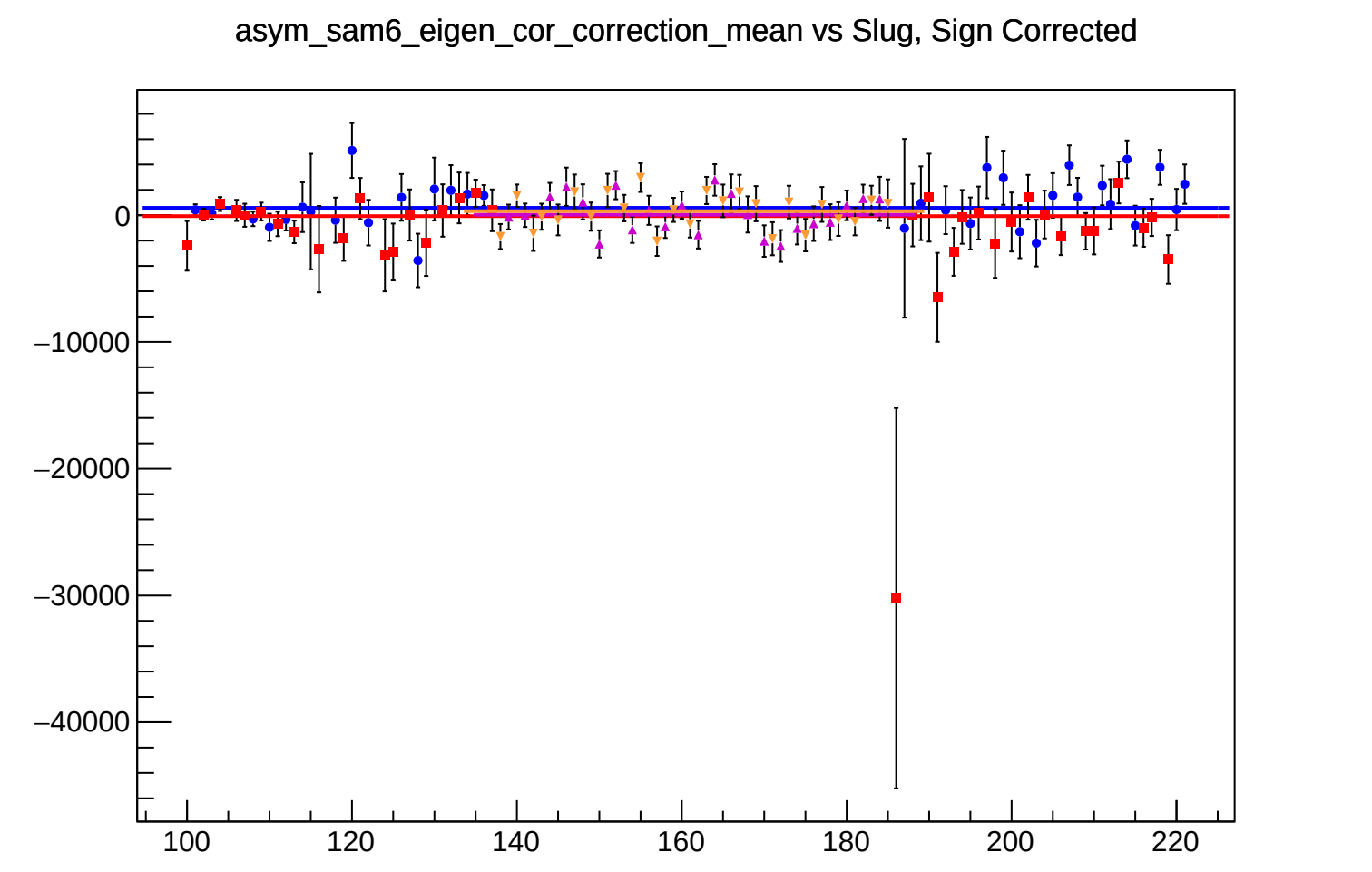
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.507+/-0.015 χ^2/NDF: 7108758.9/70

In: 142.739+/-0.016 χ^2/NDF:3825092.0/56

Out: 140.597+/-0.016 χ^2/NDF:5421014.0/61

All: 141.656+/-0.011 χ^2/NDF: 9254826.8/118



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: -72.289+/-207.593 χ^2/NDF: 36.1/36

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

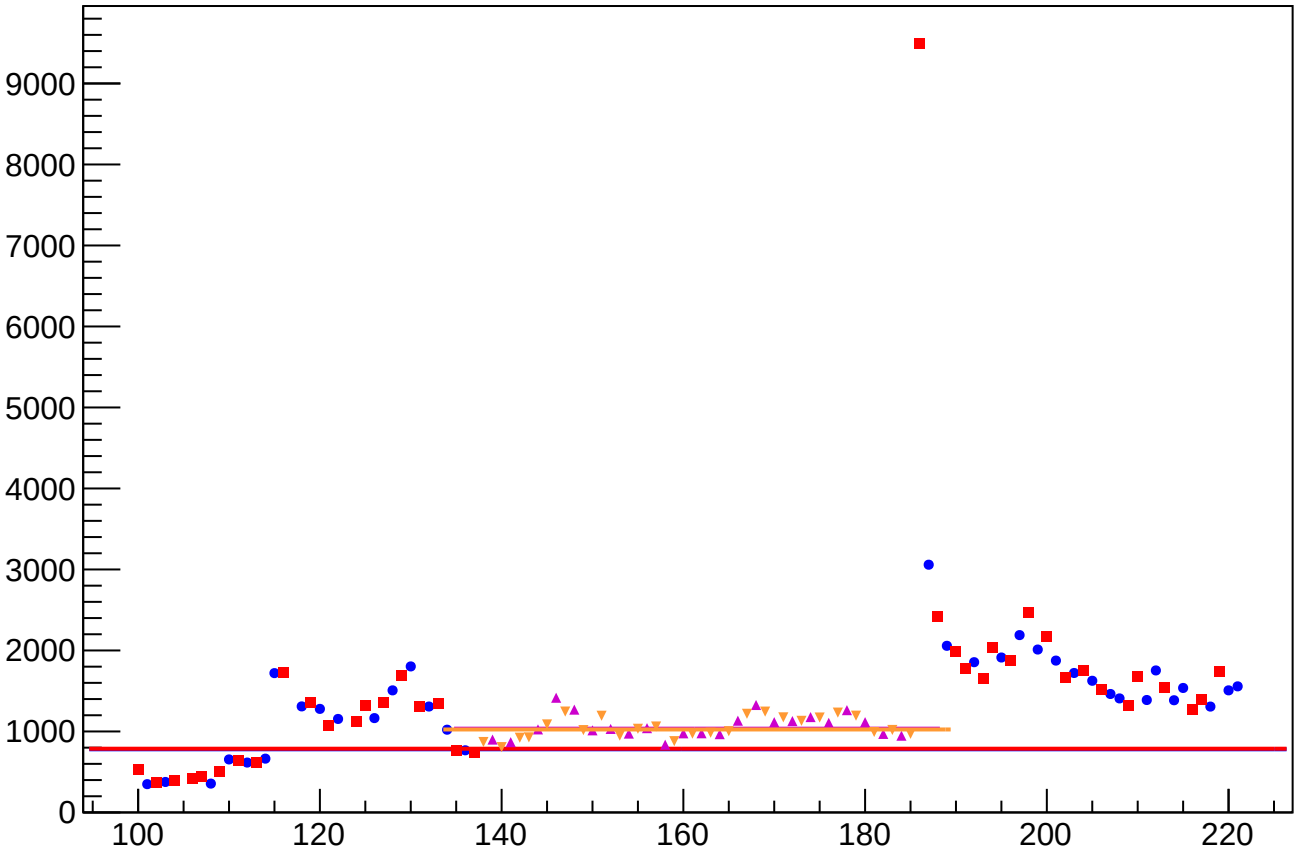
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 264.339+/-144.976 χ^2/NDF: 86.8/70

In: 362.387+/-155.892 χ^2/NDF:83.3/56

Out: 99.567+/-155.607 χ^2/NDF:70.2/61

All: 230.736+/-110.131 χ^2/NDF: 154.9/118



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: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

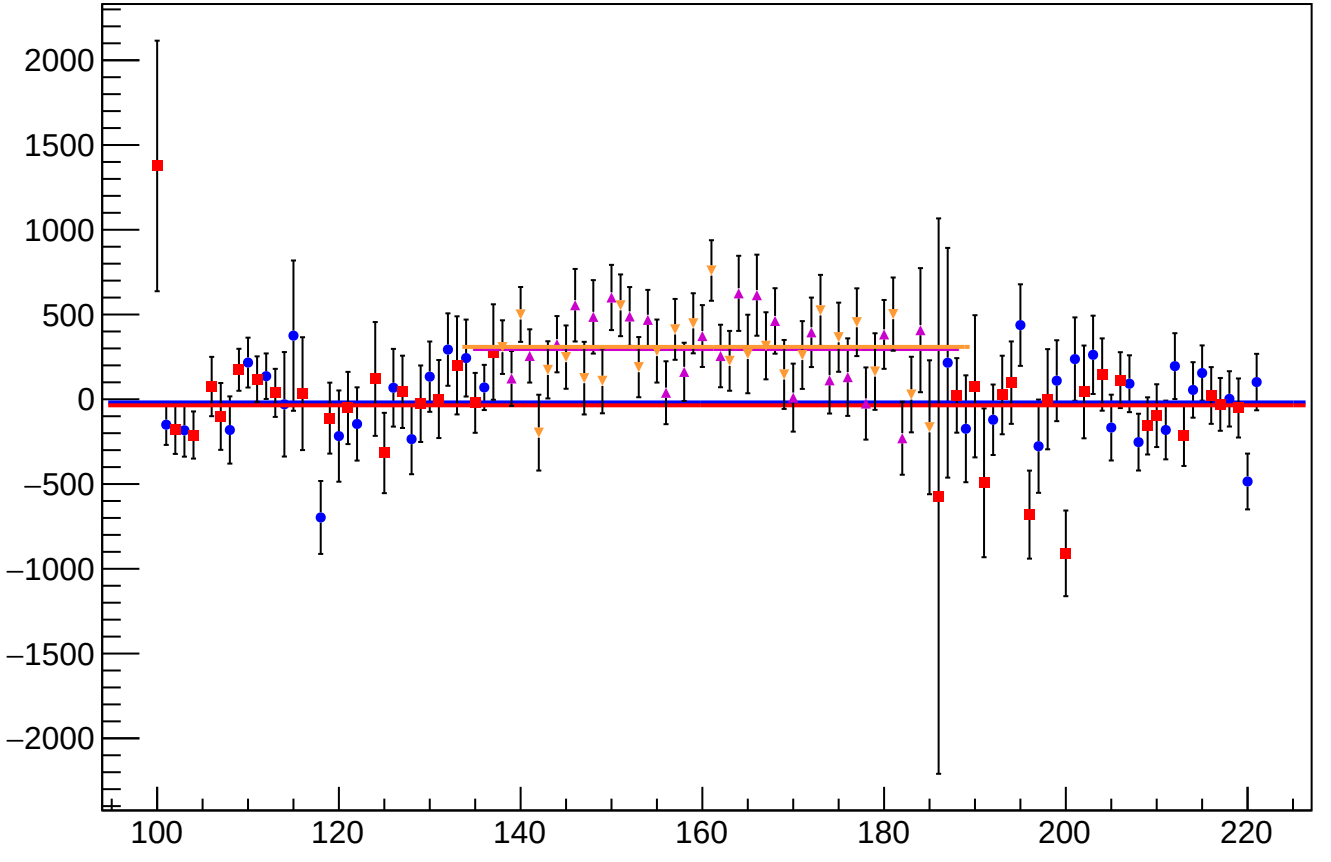
Right: 783.273+/-0.103 χ^2/NDF: 27892359.6/70

In: 883.565+/-0.110 χ^2/NDF:16031142.6/56

Out: 891.050+/-0.110 χ^2/NDF:15522164.3/61

All: 887.314+/-0.078 χ^2/NDF: 31555616.5/11

dit_asym_sam6_mean vs Slug, Sign Corrected



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: -35.620+/-33.069 χ^2/NDF: 38.3/36

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

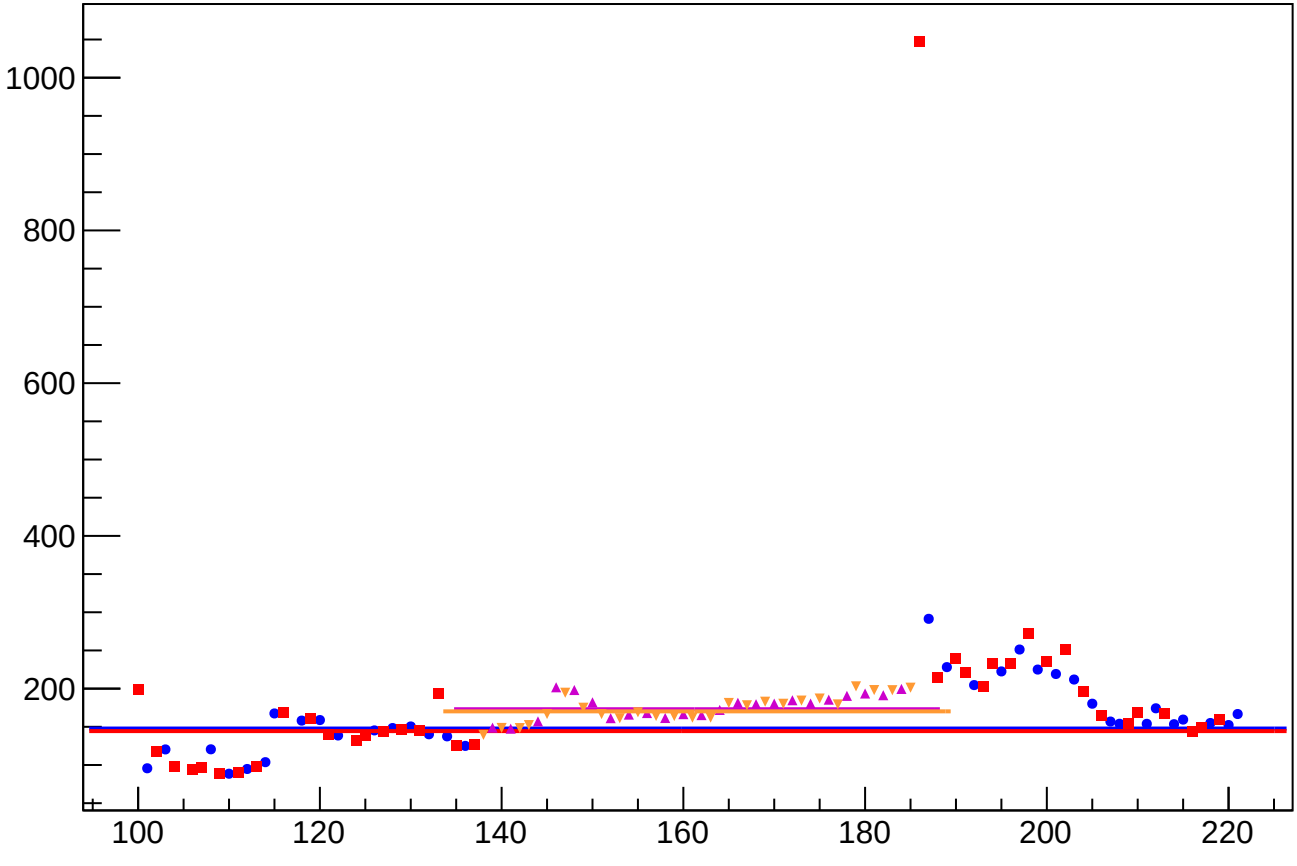
Right: -27.041+/-23.245 χ^2/NDF: 85.5/70

In: 105.227+/-25.459 χ^2/NDF:111.5/56

Out: 108.962+/-25.196 χ^2/NDF:109.4/61

All: 107.114+/-17.909 χ^2/NDF: 220.9/118

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: 144.382+/-0.023 χ^2/NDF: 4439979.5/36

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

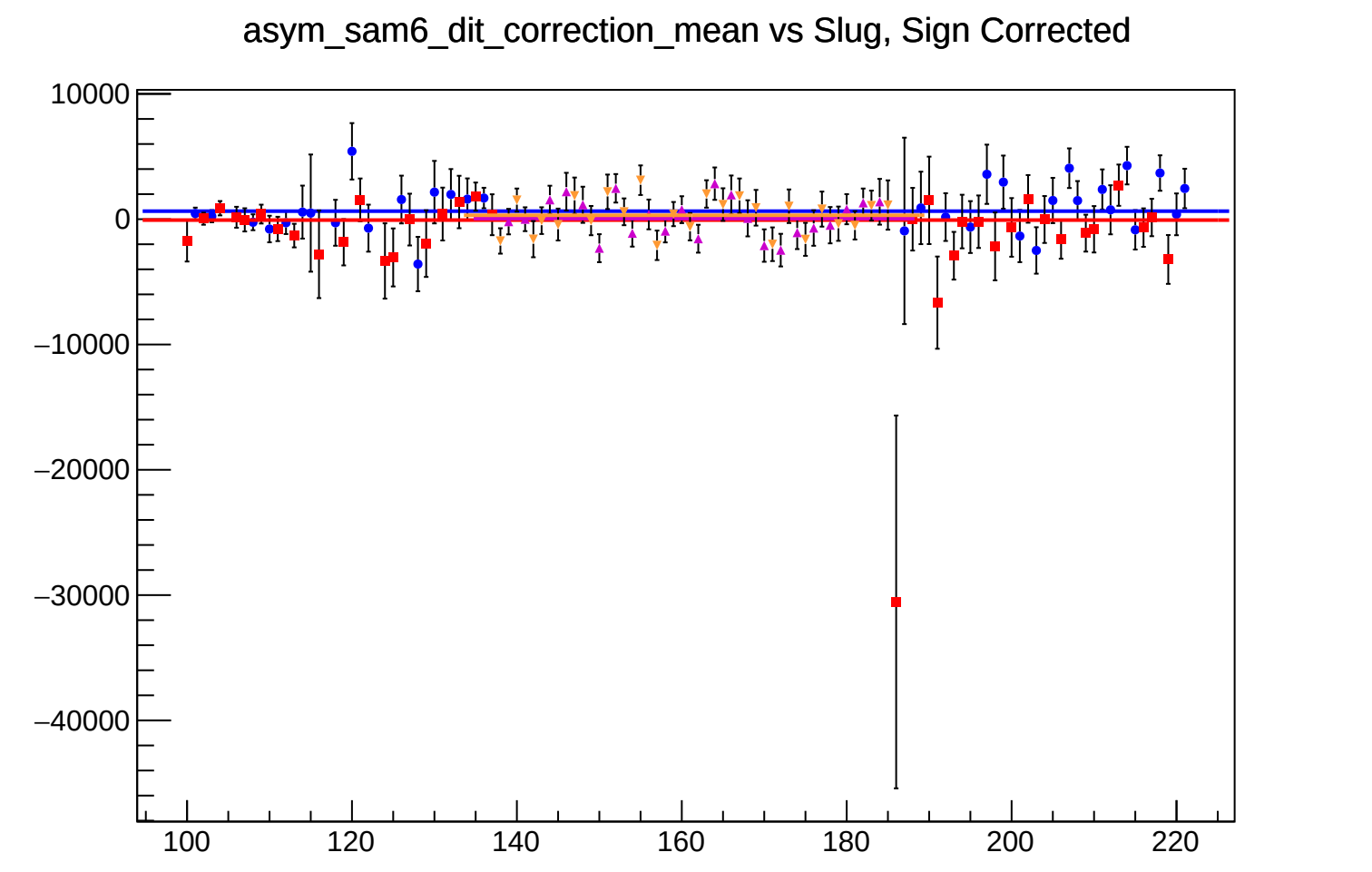
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 146.078+/-0.016 χ^2/NDF: 7214880.5/70

In: 157.676+/-0.018 χ^2/NDF:3528949.9/56

Out: 155.229+/-0.018 χ^2/NDF:5319296.8/61

All: 156.440+/-0.013 χ^2/NDF: 8857578.8/118



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: -71.350+/-213.713 χ^2/NDF: 34.2/36

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

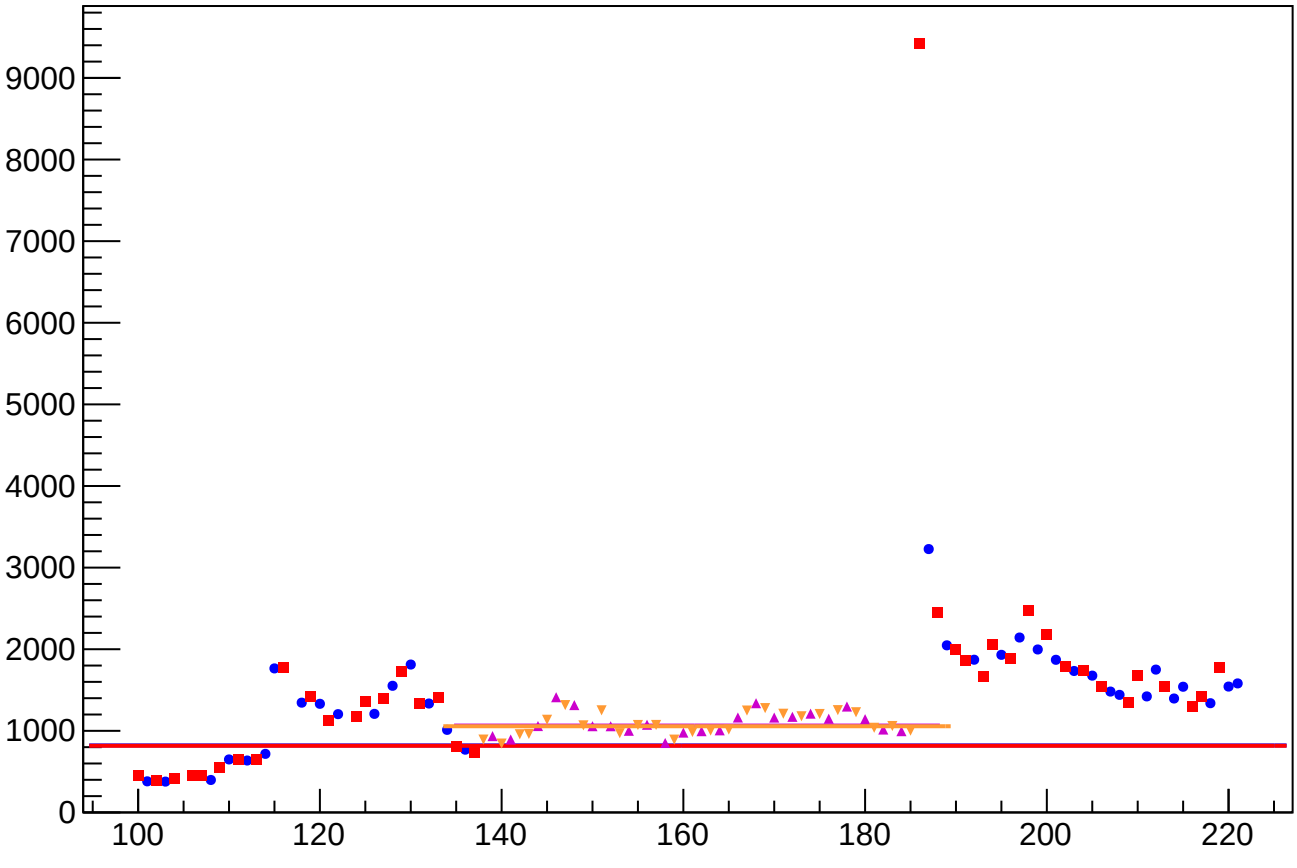
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 290.704+/-149.933 χ^2/NDF: 83.7/70

In: 396.615+/-161.310 χ^2/NDF:81.6/56

Out: 97.025+/-160.306 χ^2/NDF:68.5/61

All: 245.885+/-113.707 χ^2/NDF: 151.8/118



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: 816.931+/-0.151 χ^2/NDF: 13466322.6/36

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

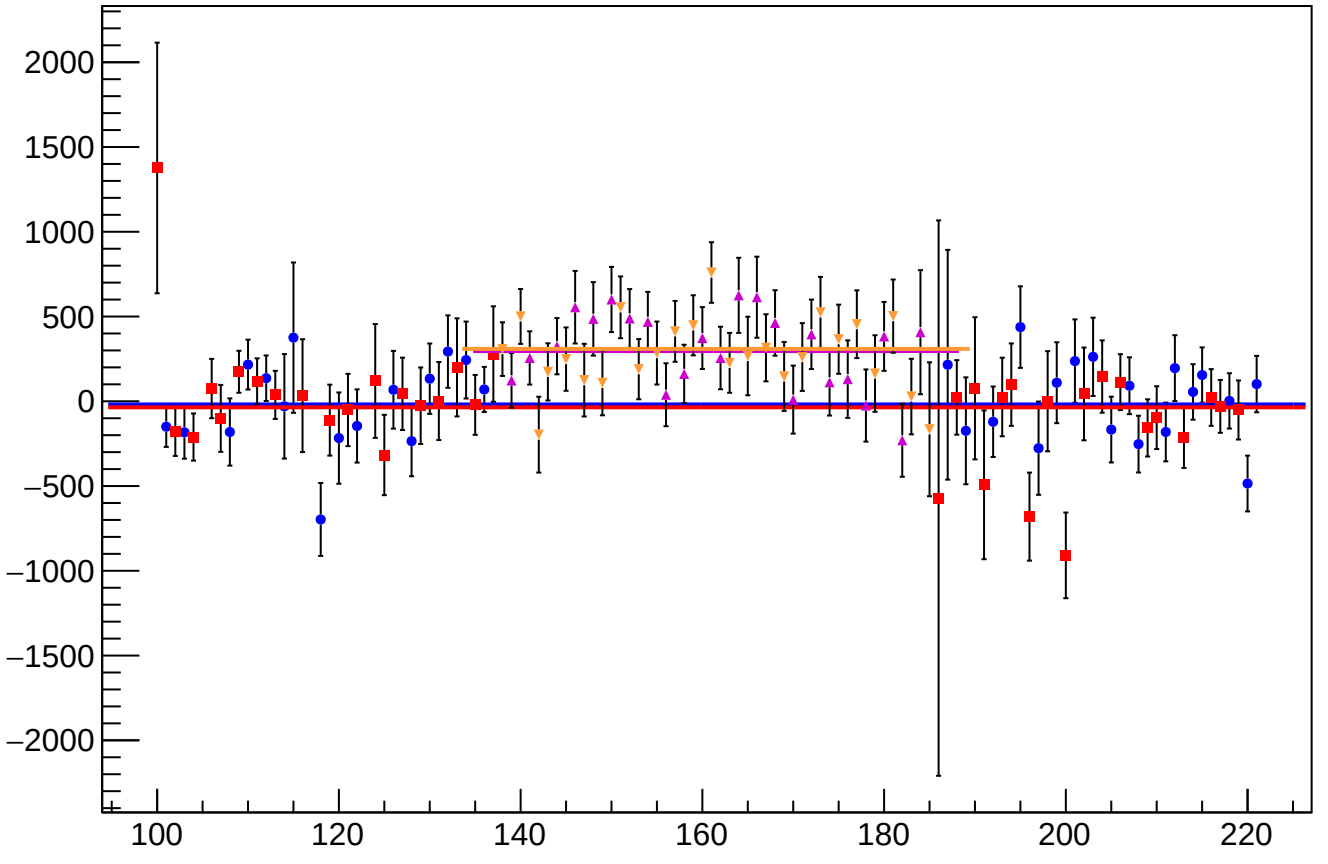
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 819.256+/-0.106 χ^2/NDF: 26768054.4/70

In: 921.748+/-0.114 χ^2/NDF:15013620.2/56

Out: 921.631+/-0.113 χ^2/NDF:15174610.7/61

All: 921.689+/-0.080 χ^2/NDF: 30188231.5/11



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: -35.619+/-33.069 χ^2/NDF: 38.3/36

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

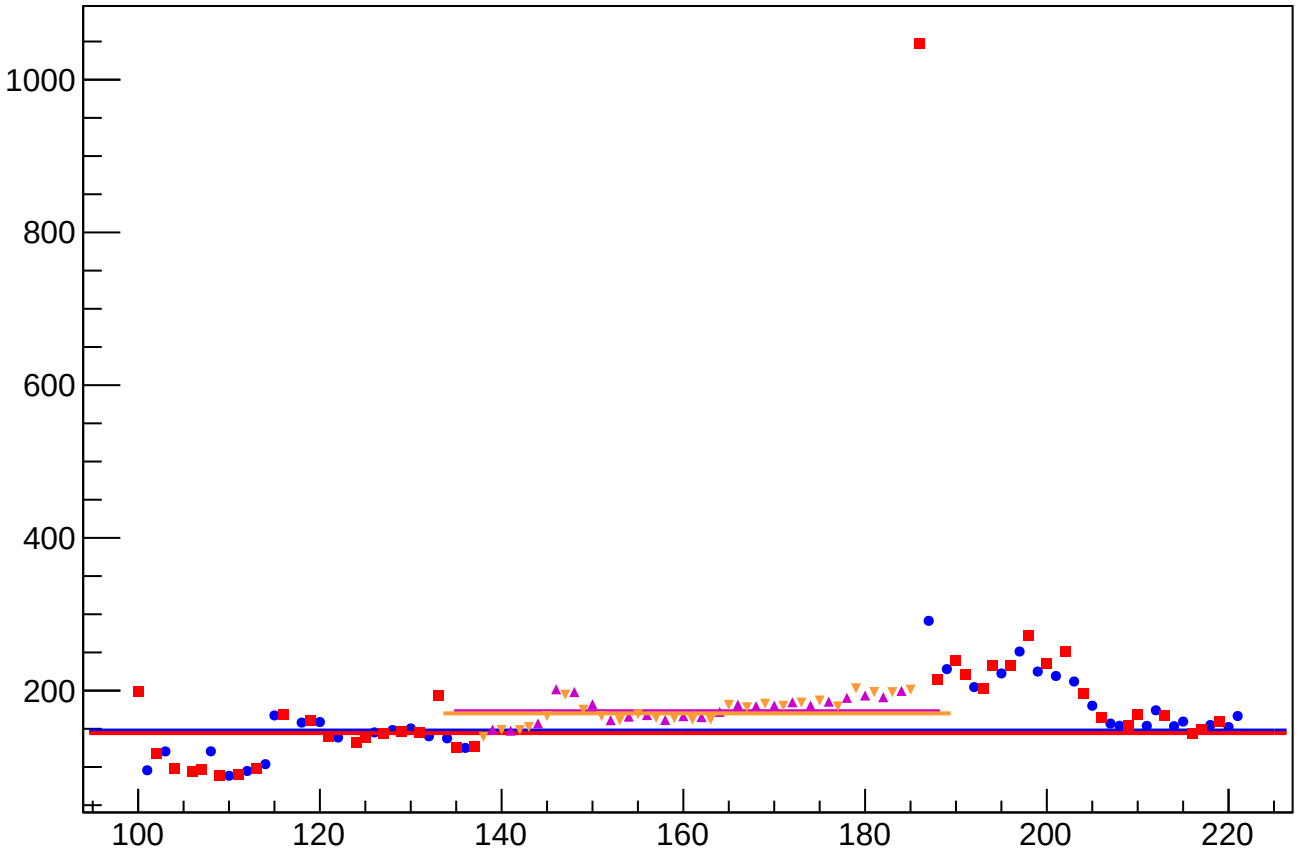
Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

Right: -27.040+/-23.245 χ^2/NDF: 85.5/70

In: 105.227+/-25.459 χ^2/NDF:111.5/56

Out: 108.963+/-25.196 χ^2/NDF:109.4/61

All: 107.114+/-17.908 χ^2/NDF: 220.9/118



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: 144.381+/-0.023 χ^2/NDF: 4439987.8/36

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

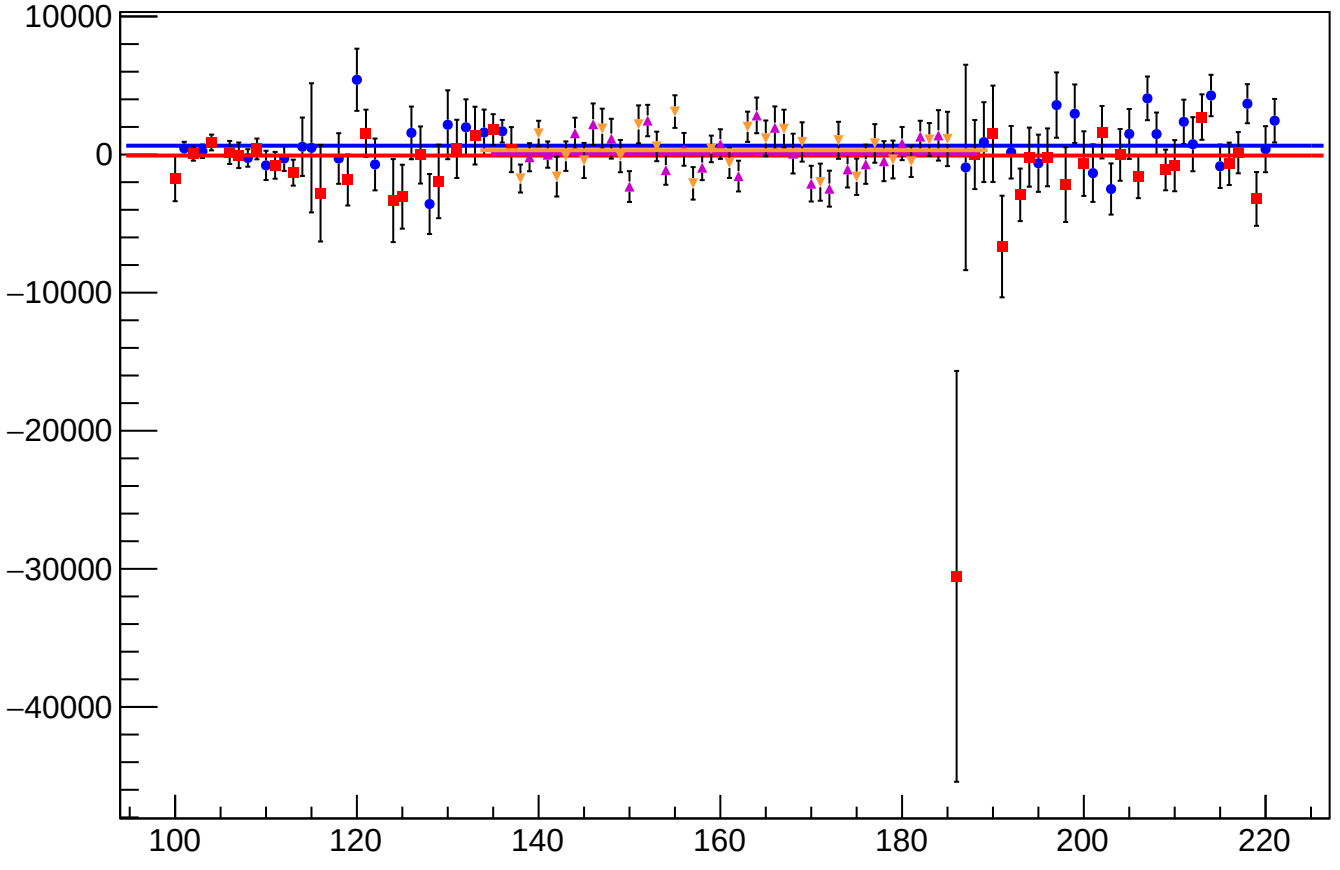
Right: 146.078+/-0.016 χ^2/NDF: 7214910.5/70

In: 157.676+/-0.018 χ^2/NDF:3528972.4/56

Out: 155.229+/-0.018 χ^2/NDF:5319306.1/61

All: 156.440+/-0.013 χ^2/NDF: 8857610.8/118

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 641.621+/-210.400 χ^2/NDF: 43.9/33

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -71.348+/-213.712 χ^2/NDF: 34.2/36

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

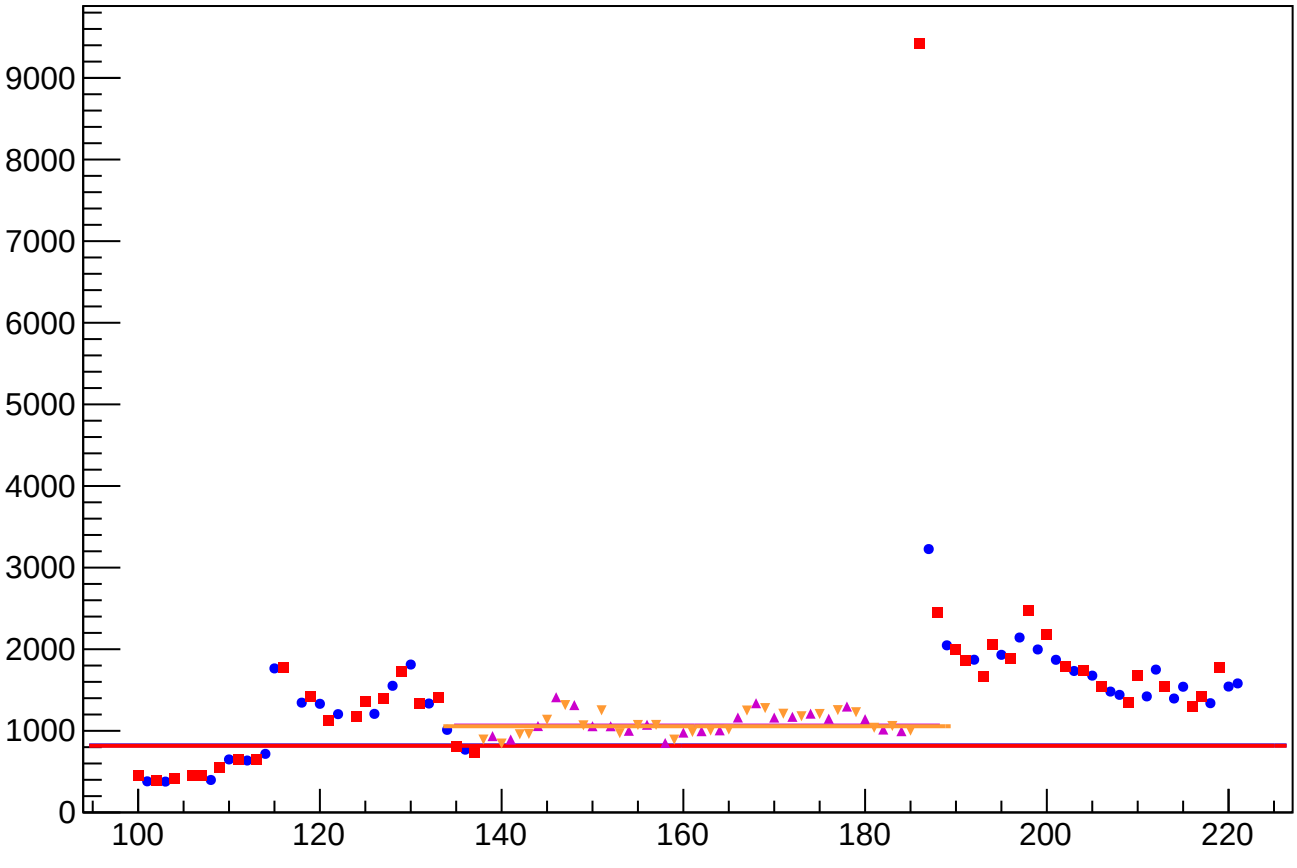
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 290.704+/-149.933 χ^2/NDF: 83.7/70

In: 396.615+/-161.310 χ^2/NDF:81.6/56

Out: 97.026+/-160.306 χ^2/NDF:68.5/61

All: 245.885+/-113.707 χ^2/NDF: 151.8/118



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: 816.930+/-0.151 χ^2/NDF: 13466332.1/36

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

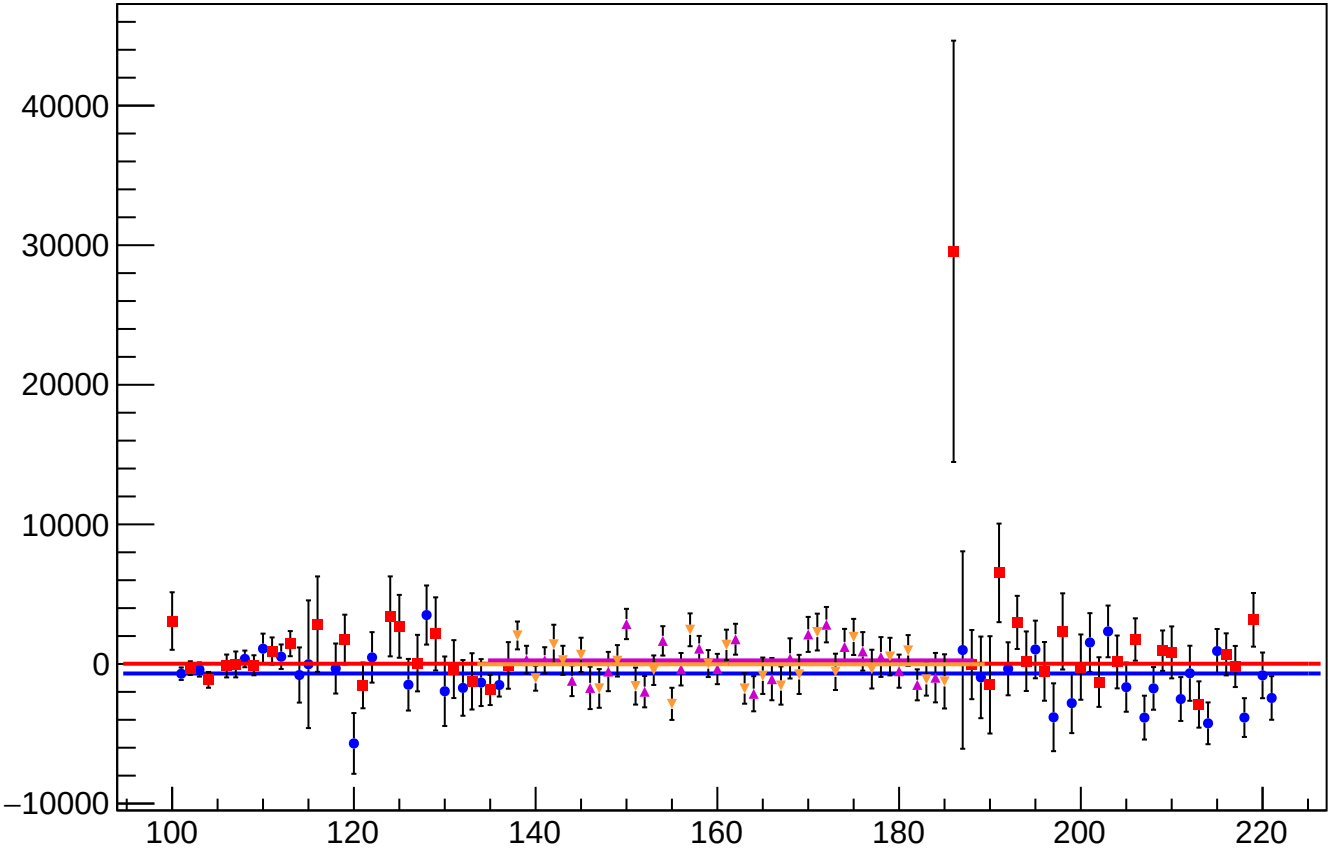
Right: 819.255+/-0.106 χ^2/NDF: 26768085.6/70

In: 921.748+/-0.114 χ^2/NDF:15013655.0/56

Out: 921.630+/-0.113 χ^2/NDF:15174633.8/61

All: 921.689+/-0.080 χ^2/NDF: 30188289.3/11

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: 17.006+/-211.671 χ^2/NDF: 38.9/36

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

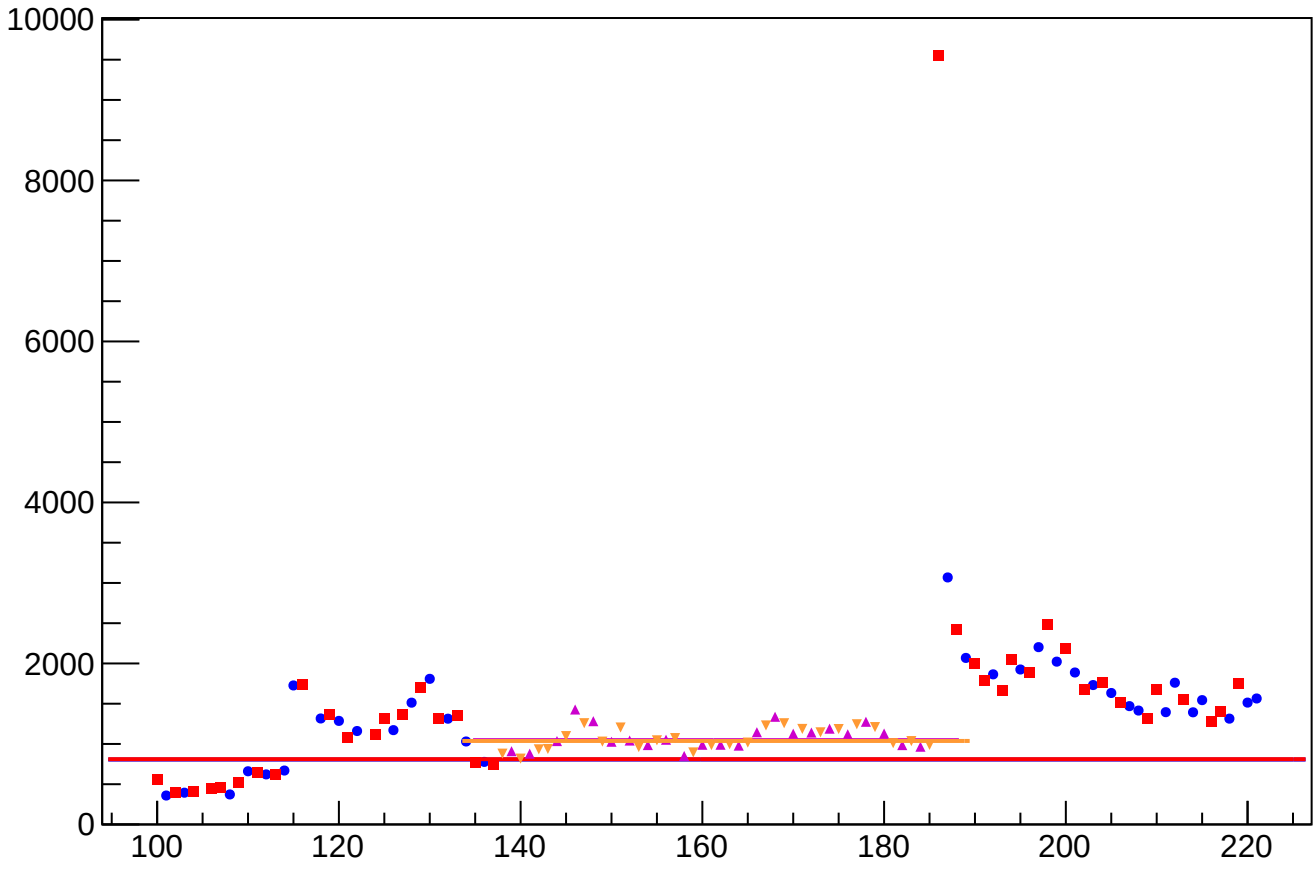
Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

Right: -340.138+/-148.145 χ^2/NDF: 90.5/70

In: -295.343+/-158.891 χ^2/NDF:88.1/56

Out: -0.162+/-158.159 χ^2/NDF:73.4/61

All: -147.070+/-112.093 χ^2/NDF: 163.2/118



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: 810.944+/-0.150 χ^2/NDF: 13290253.7/36

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

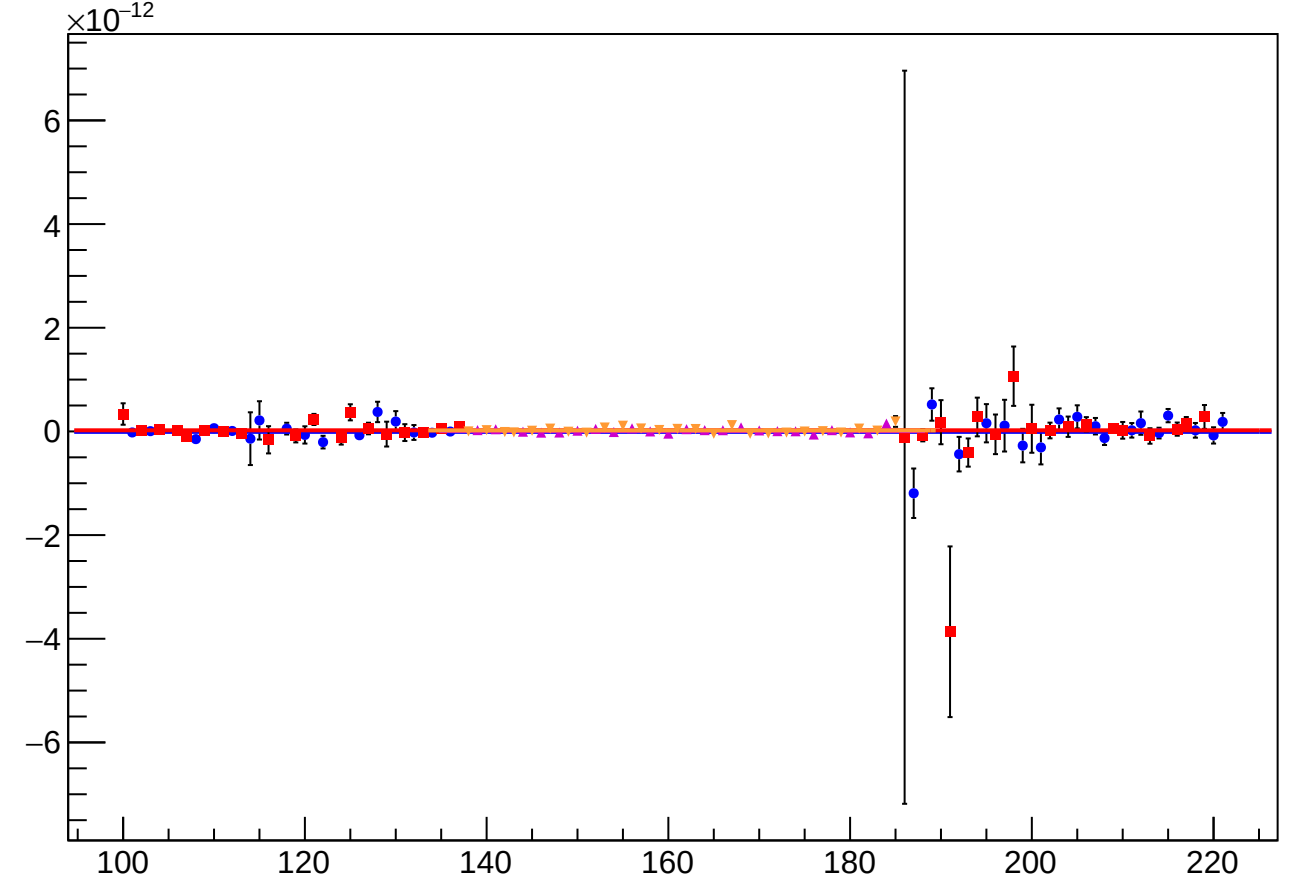
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 808.373+/-0.105 χ^2/NDF: 26843874.9/70

In: 905.769+/-0.112 χ^2/NDF:15288688.4/56

Out: 910.938+/-0.112 χ^2/NDF:14886225.7/61

All: 908.365+/-0.079 χ^2/NDF: 30175977.1/11



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: 36.3/36

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

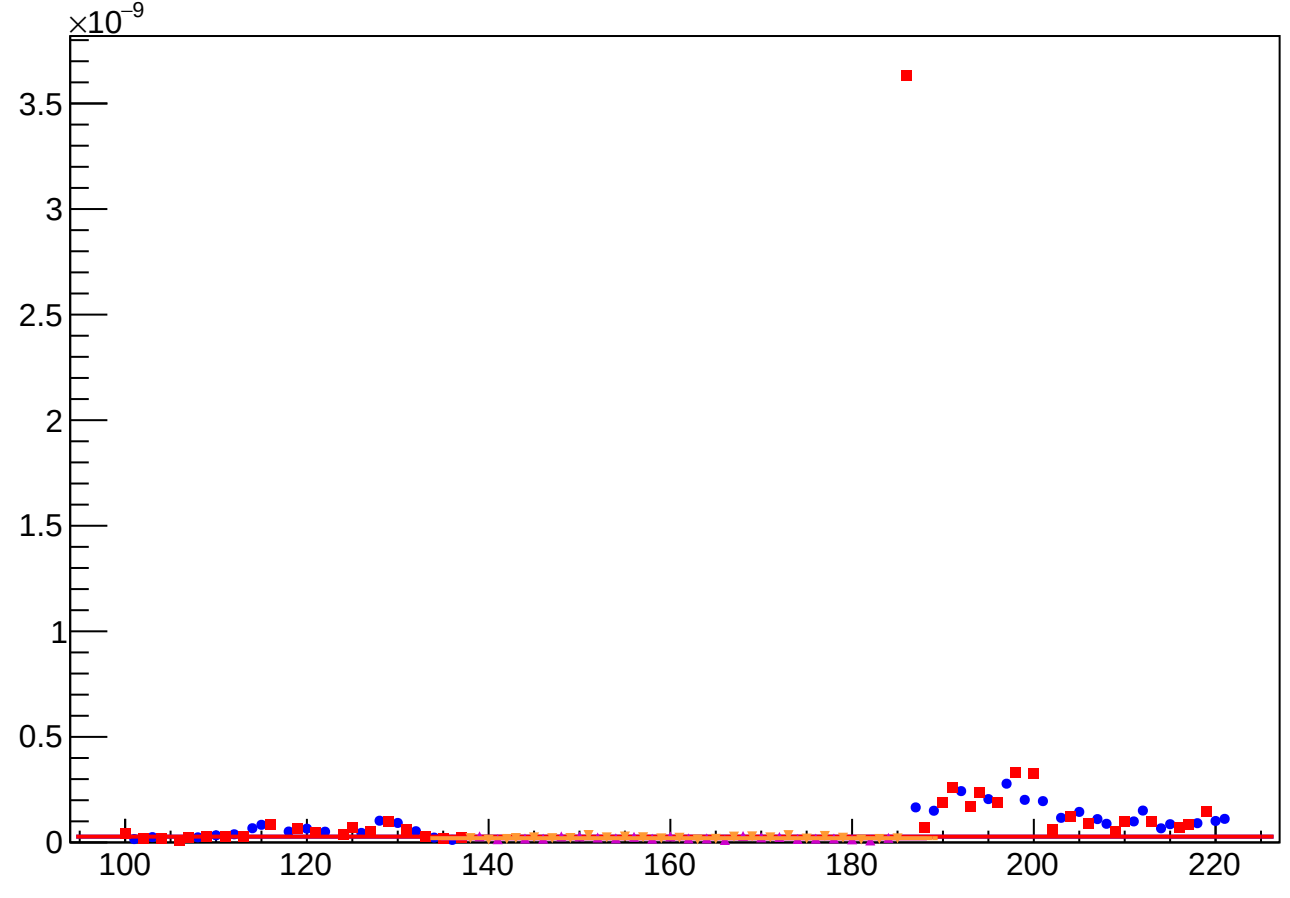
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 79.9/70

In: 0.000+/-0.000 χ^2/NDF:60.4/56

Out: 0.000+/-0.000 χ^2/NDF:66.3/61

All: 0.000+/-0.000 χ^2/NDF: 130.4/118



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: 9559620.3/36

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

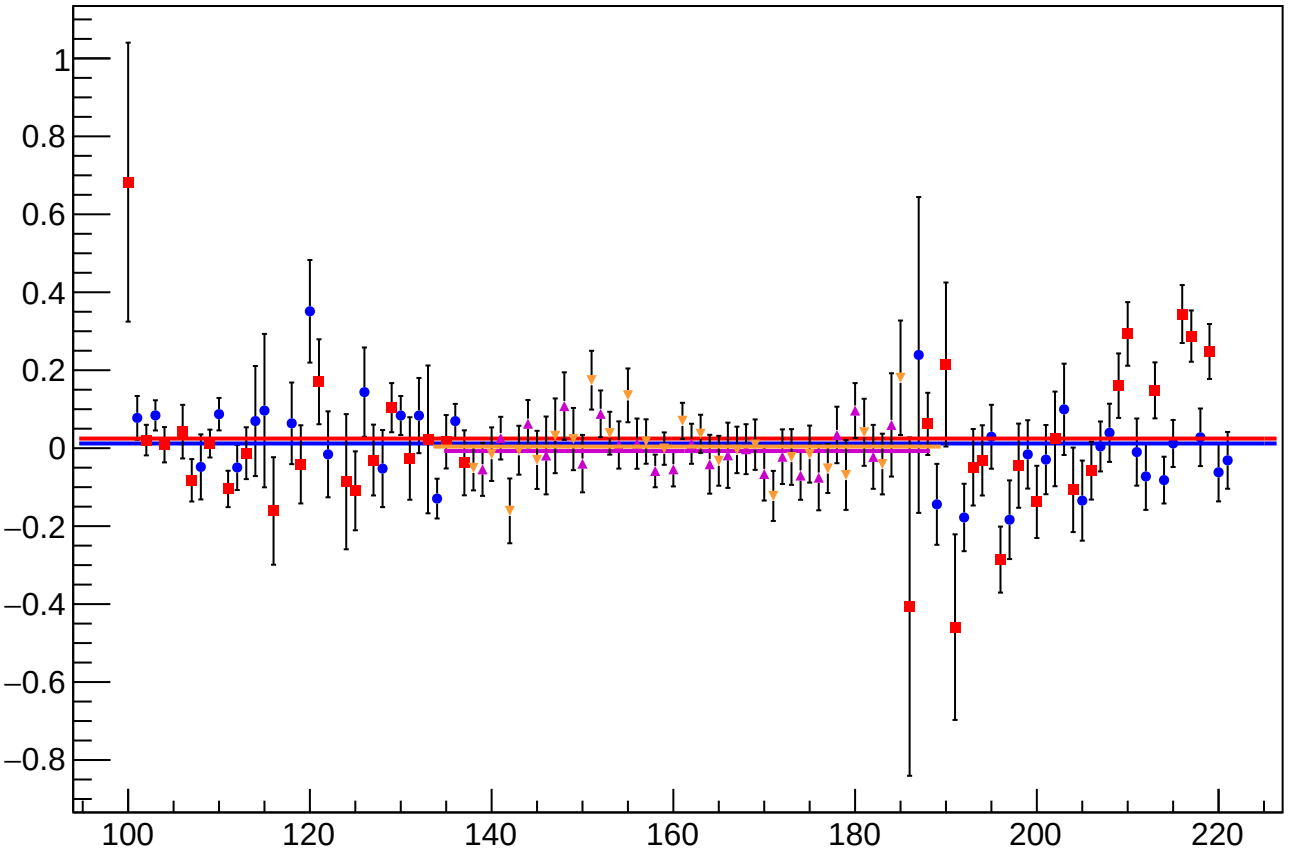
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 20619768.1/70

In: 0.000+/-0.000 χ^2/NDF:12737979.3/56

Out: 0.000+/-0.000 χ^2/NDF:11037544.3/61

All: 0.000+/-0.000 χ^2/NDF: 23782633.0/118



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: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

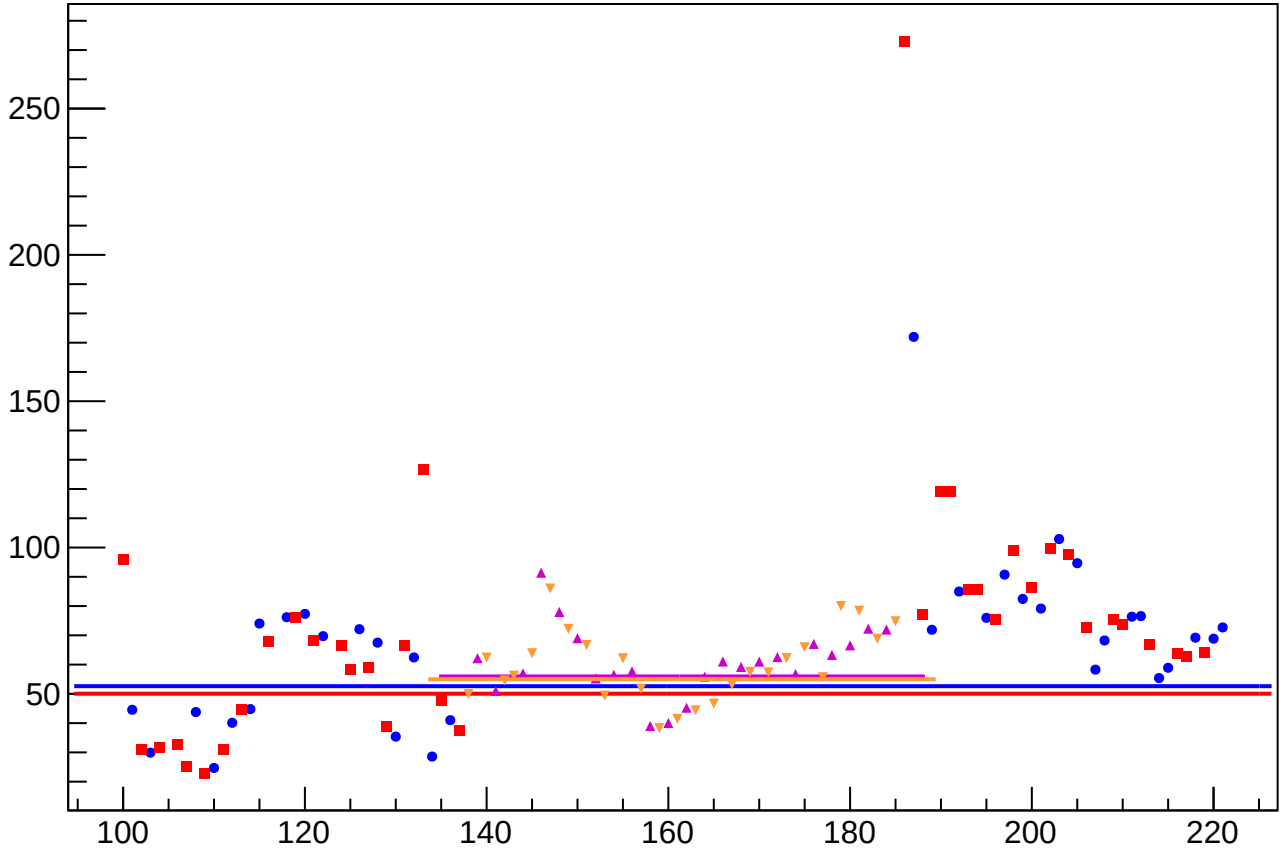
Right: 0.018+/-0.009 χ^2/NDF: 162.7/70

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.009+/-0.006 χ^2/NDF: 205.3/118

asym_sam6_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

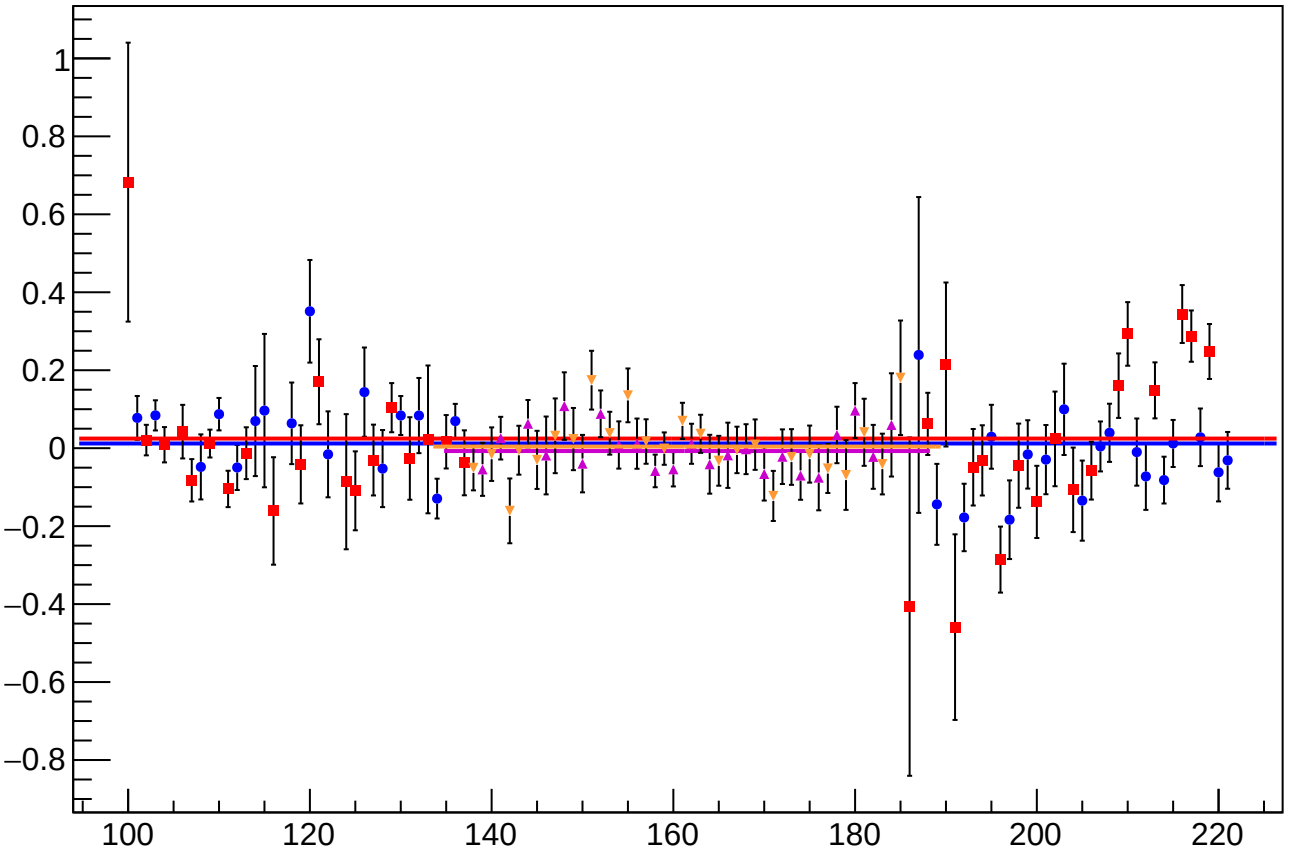
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 51.342+/-0.006 χ^2/NDF: 13713523.2/70

In: 54.137+/-0.006 χ^2/NDF:7280511.8/56

Out: 52.397+/-0.006 χ^2/NDF:9580854.6/61

All: 53.250+/-0.005 χ^2/NDF: 16898596.0/118



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: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

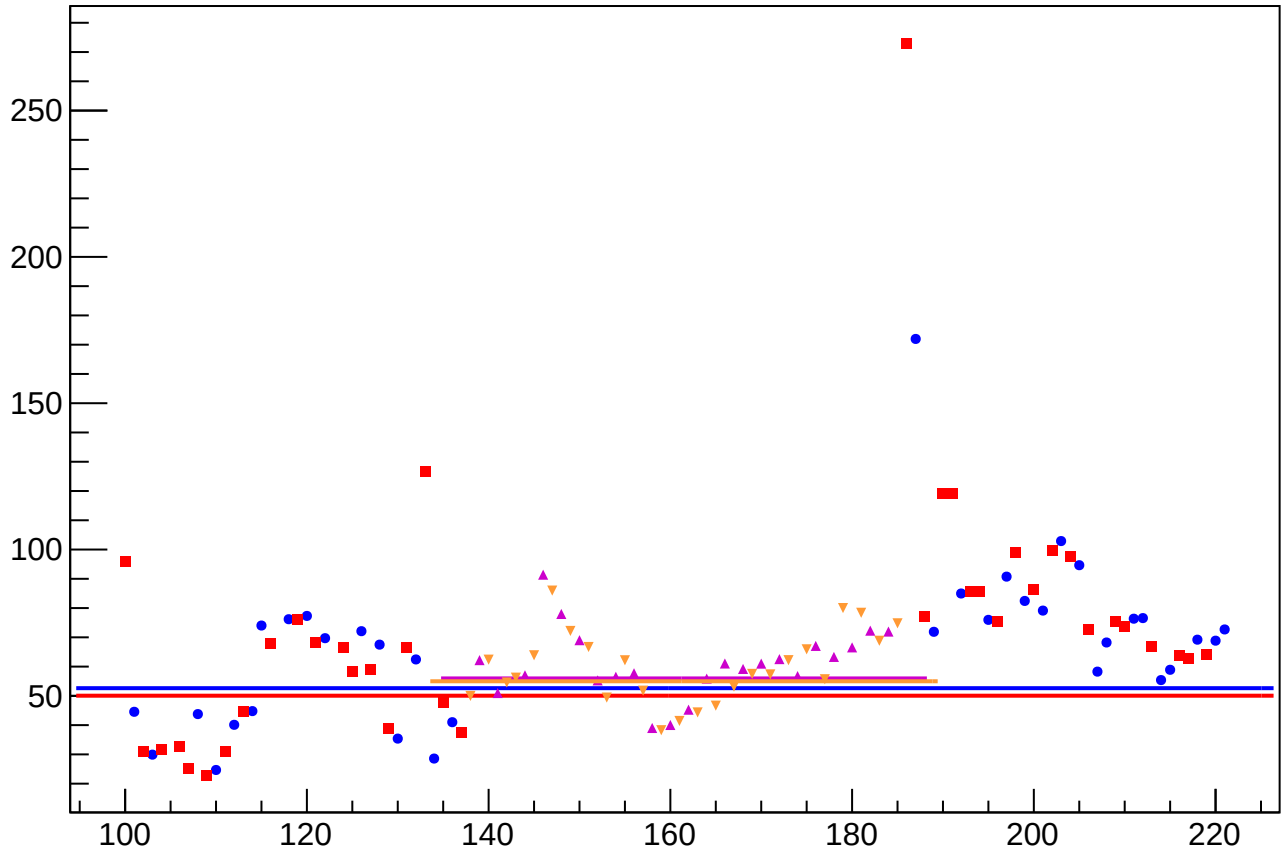
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.009 χ^2/NDF: 162.7/70

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.009+/-0.006 χ^2/NDF: 205.3/118



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: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

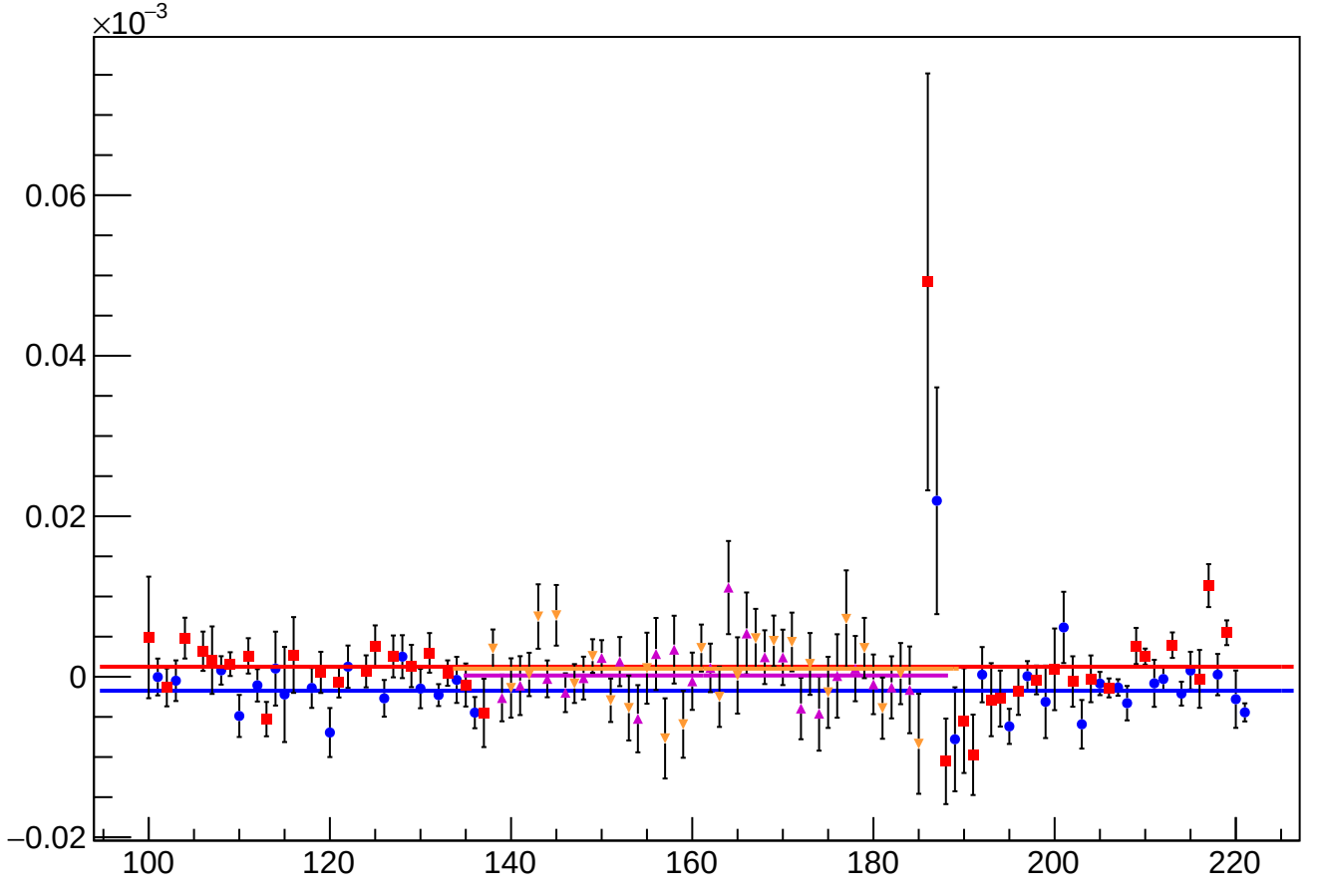
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 51.342+/-0.006 χ^2/NDF: 13713523.2/70

In: 54.137+/-0.006 χ^2/NDF:7280511.8/56

Out: 52.397+/-0.006 χ^2/NDF:9580854.6/61

All: 53.250+/-0.005 χ^2/NDF: 16898596.0/118



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: 71.2/36

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

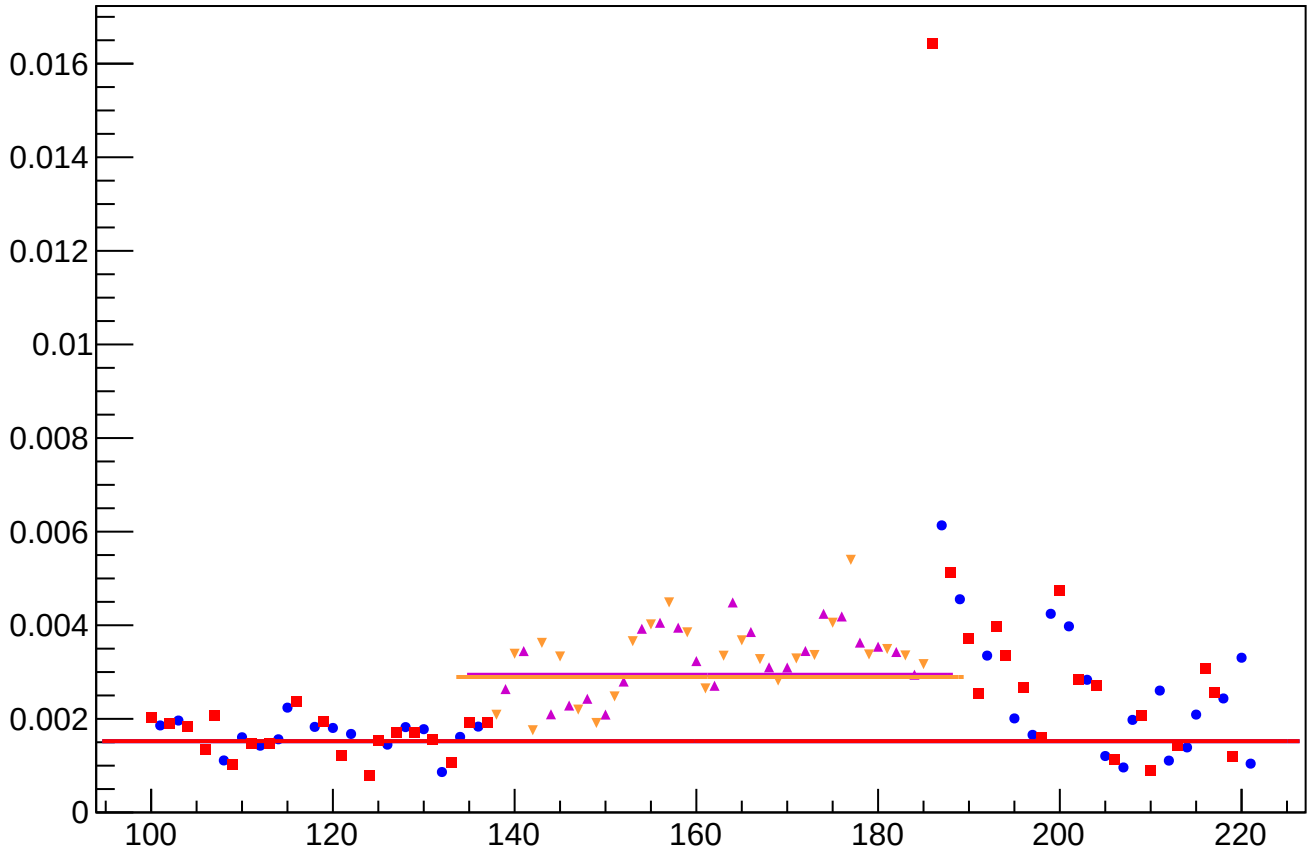
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 142.7/70

In: -0.000+/-0.000 χ^2/NDF:57.8/56

Out: 0.000+/-0.000 χ^2/NDF:99.8/61

All: -0.000+/-0.000 χ^2/NDF: 188.5/118



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: 0.002+/-0.000 χ^2/NDF: 7750951.7/36

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

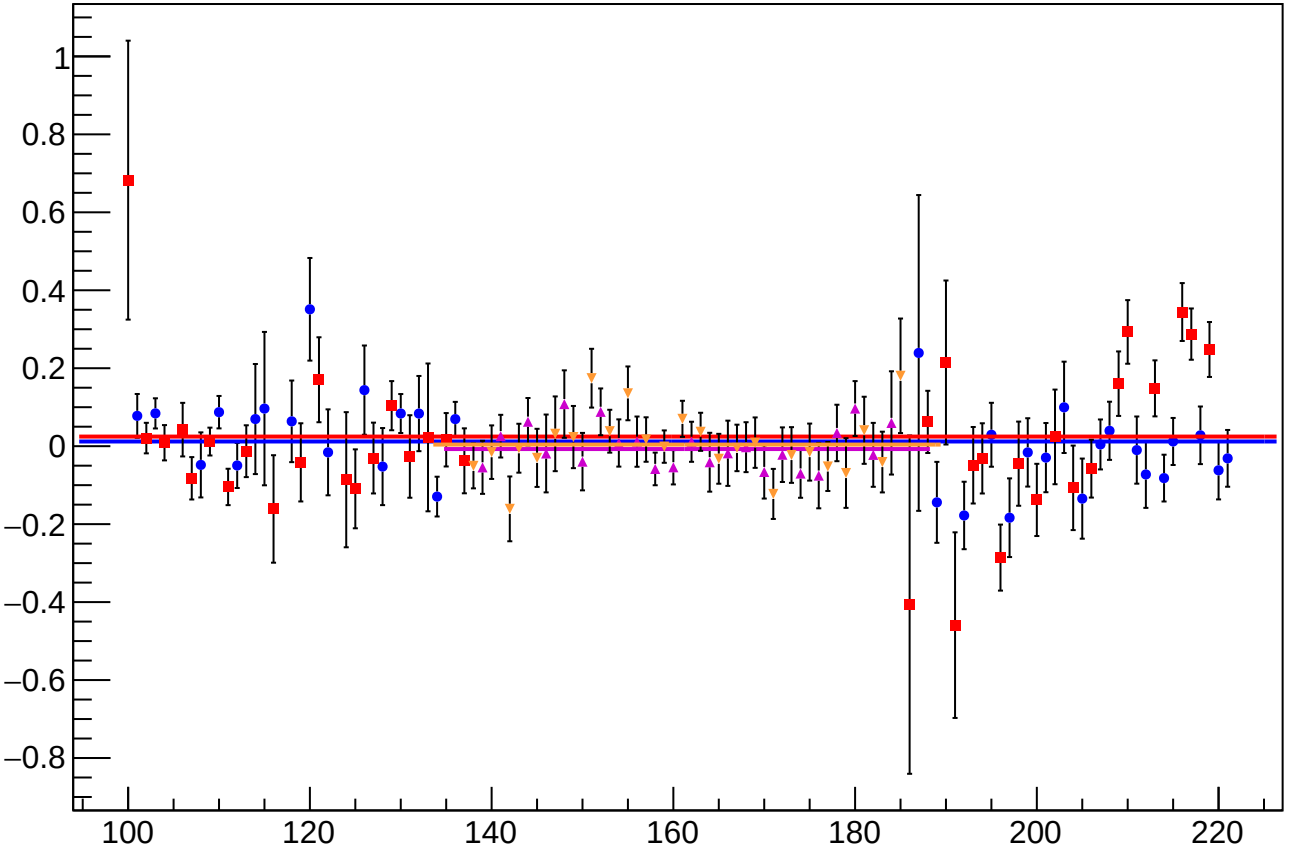
Right: 0.002+/-0.000 χ^2/NDF: 14132568.3/70

In: 0.002+/-0.000 χ^2/NDF:14630554.1/56

Out: 0.002+/-0.000 χ^2/NDF:16567880.5/61

All: 0.002+/-0.000 χ^2/NDF: 31202503.5/118

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

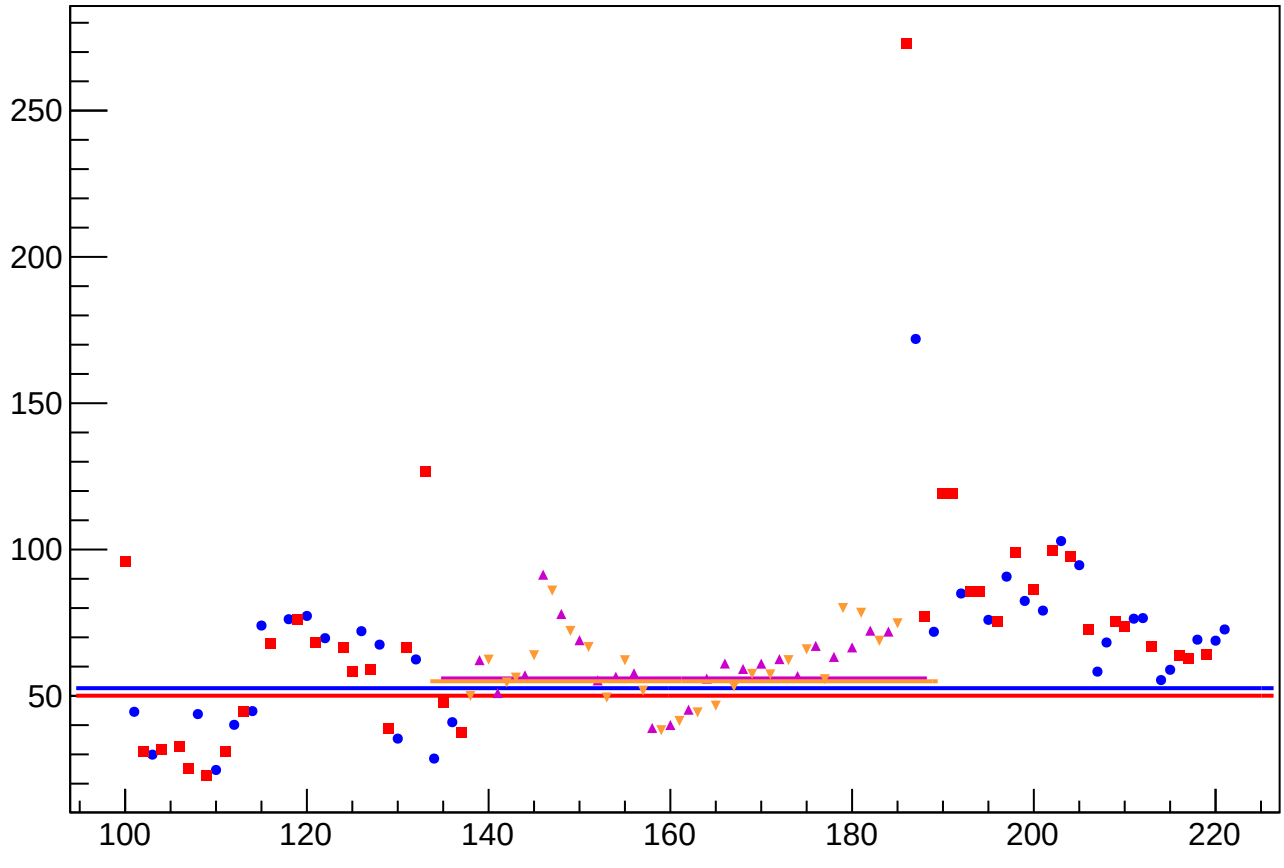
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.009 χ^2/NDF: 162.7/70

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.009+/-0.006 χ^2/NDF: 205.3/118



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: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

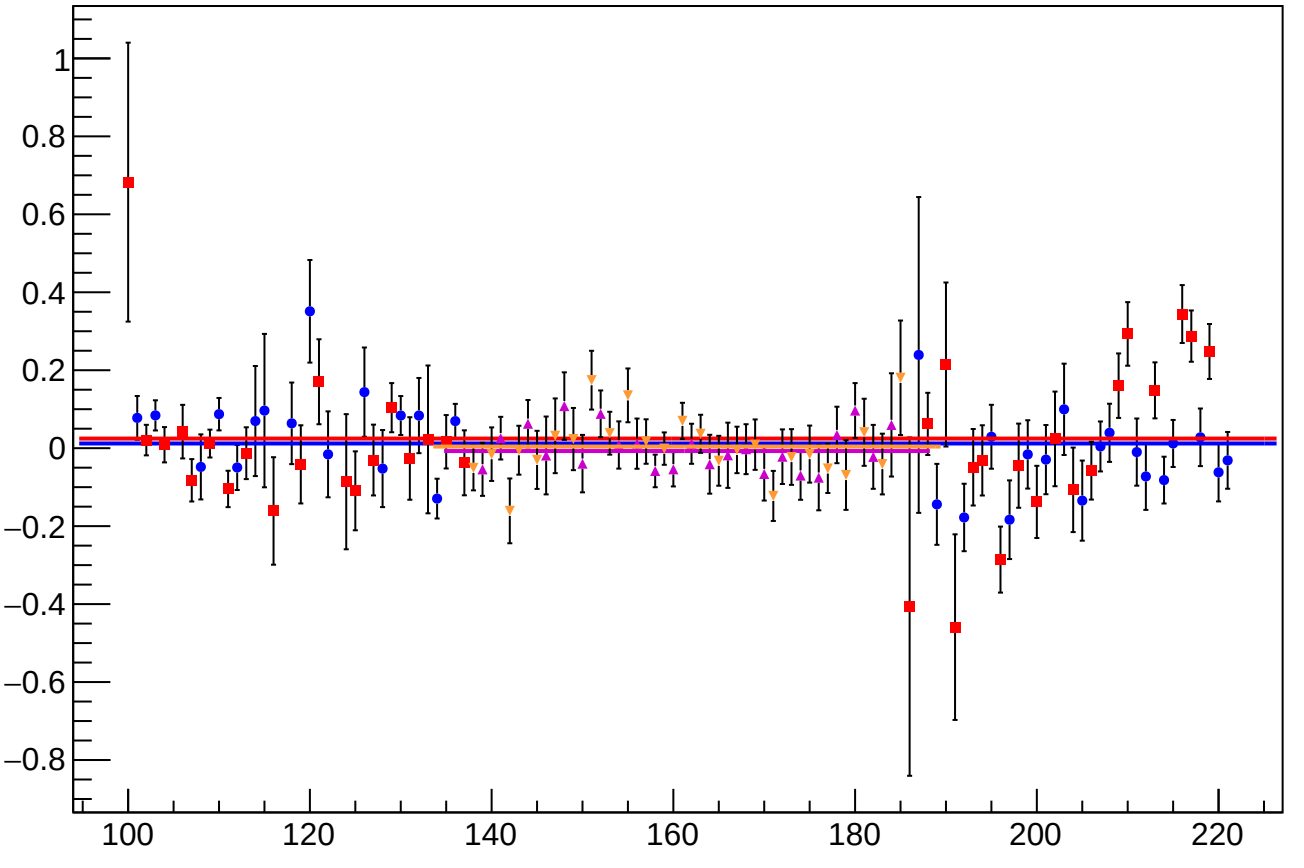
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 51.341+/-0.006 χ^2/NDF: 13713737.0/70

In: 54.136+/-0.006 χ^2/NDF:7280837.5/56

Out: 52.396+/-0.006 χ^2/NDF:9580974.2/61

All: 53.249+/-0.005 χ^2/NDF: 16899034.3/118



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: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

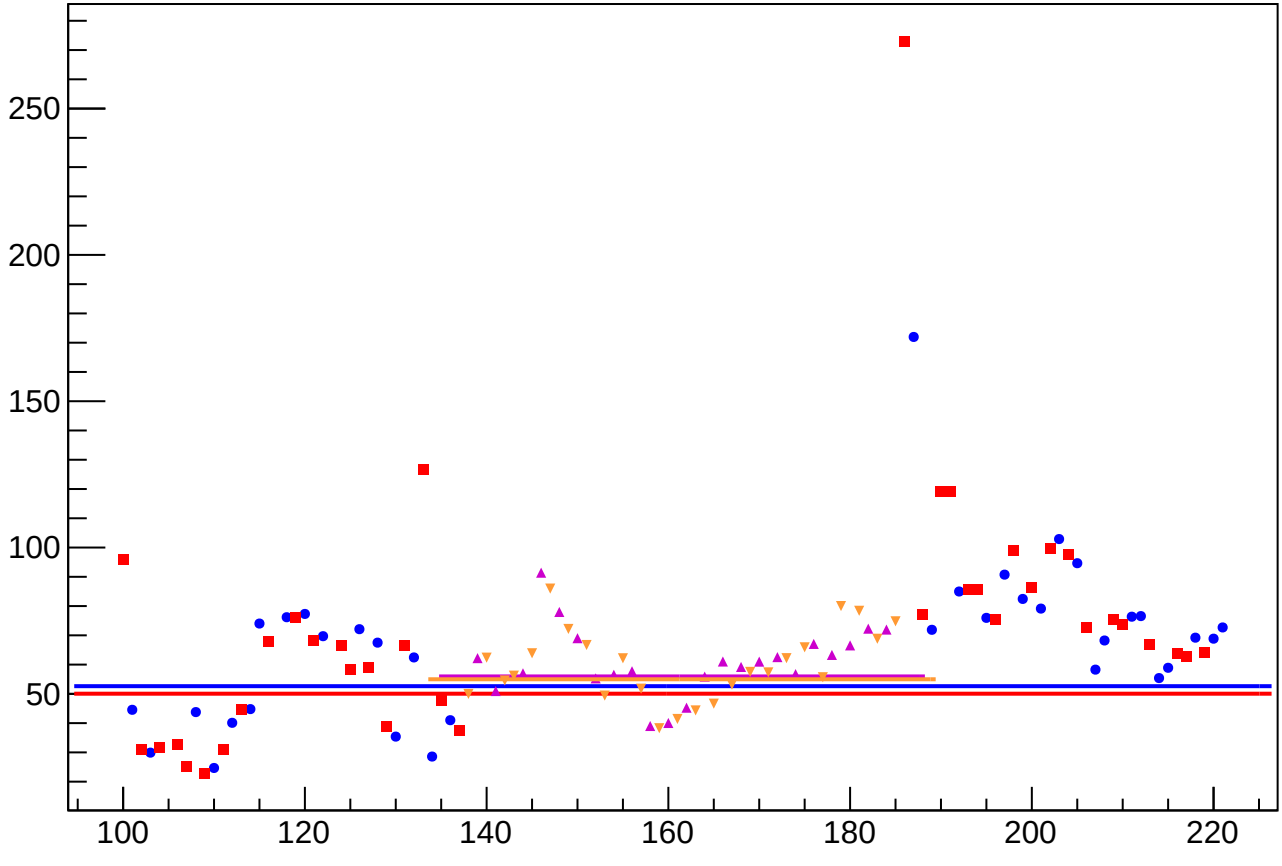
Right: 0.018+/-0.009 χ^2/NDF: 162.7/70

In: 0.003+/-0.009 χ^2/NDF:66.1/56

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.009+/-0.006 χ^2/NDF: 205.3/118

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: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

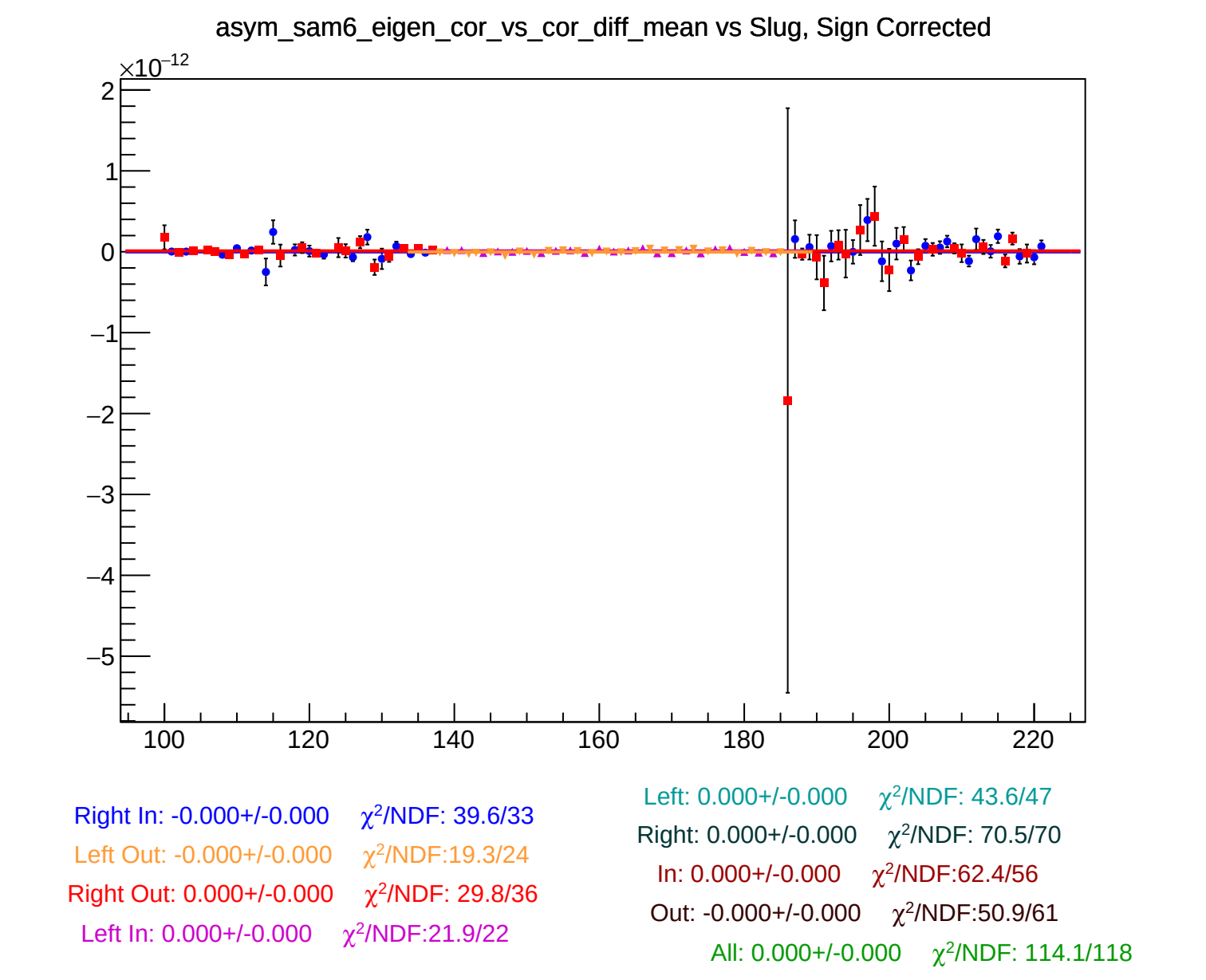
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

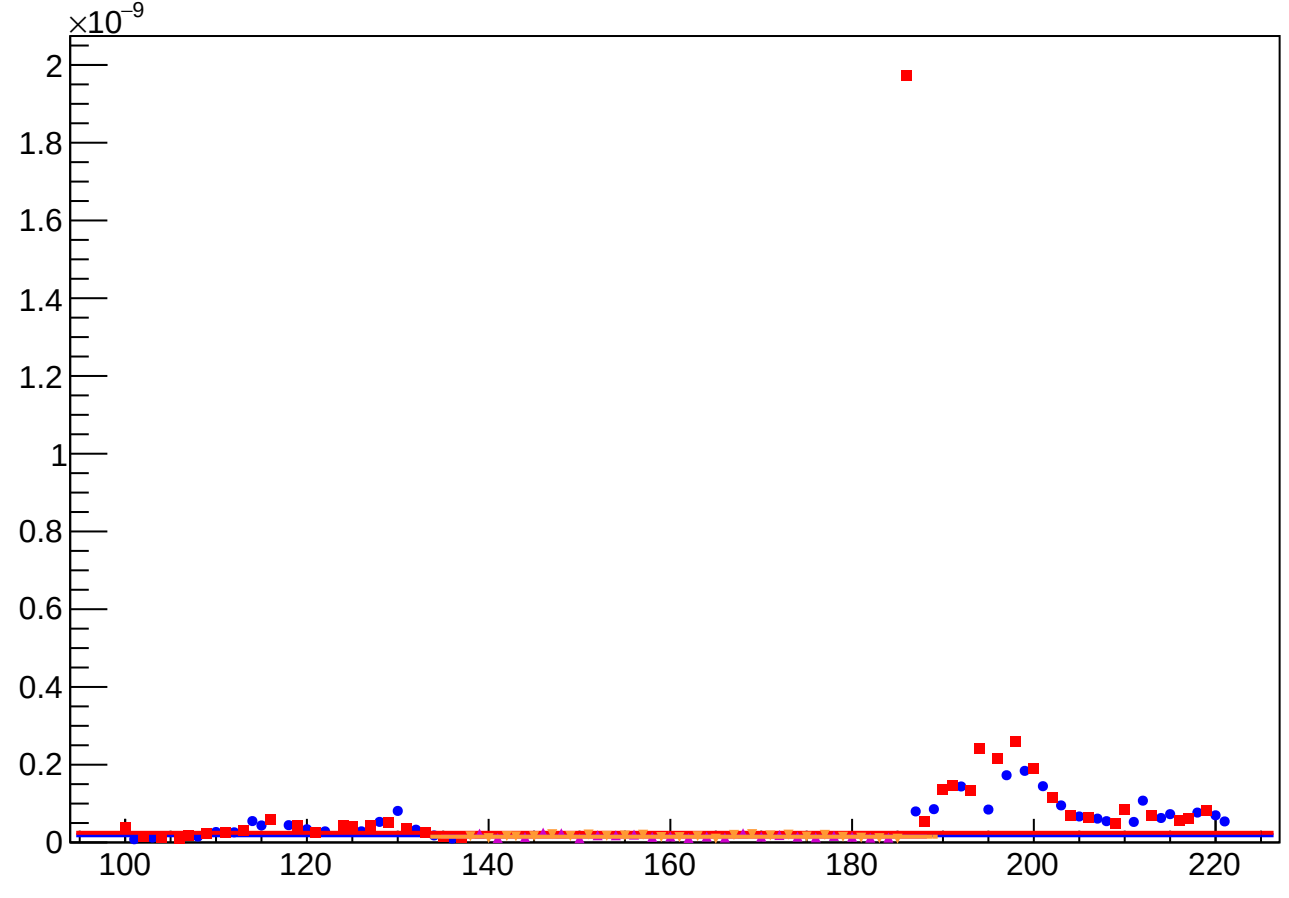
Right: 51.341+/-0.006 χ^2/NDF: 13713737.0/70

In: 54.136+/-0.006 χ^2/NDF:7280837.5/56

Out: 52.396+/-0.006 χ^2/NDF:9580974.2/61

All: 53.249+/-0.005 χ^2/NDF: 16899034.3/118


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: 29.8/36
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: 70.5/70
In: 0.000+/-0.000 χ²/NDF:62.4/56
Out: -0.000+/-0.000 χ²/NDF:50.9/61
All: 0.000+/-0.000 χ²/NDF: 114.1/118



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: 13058384.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

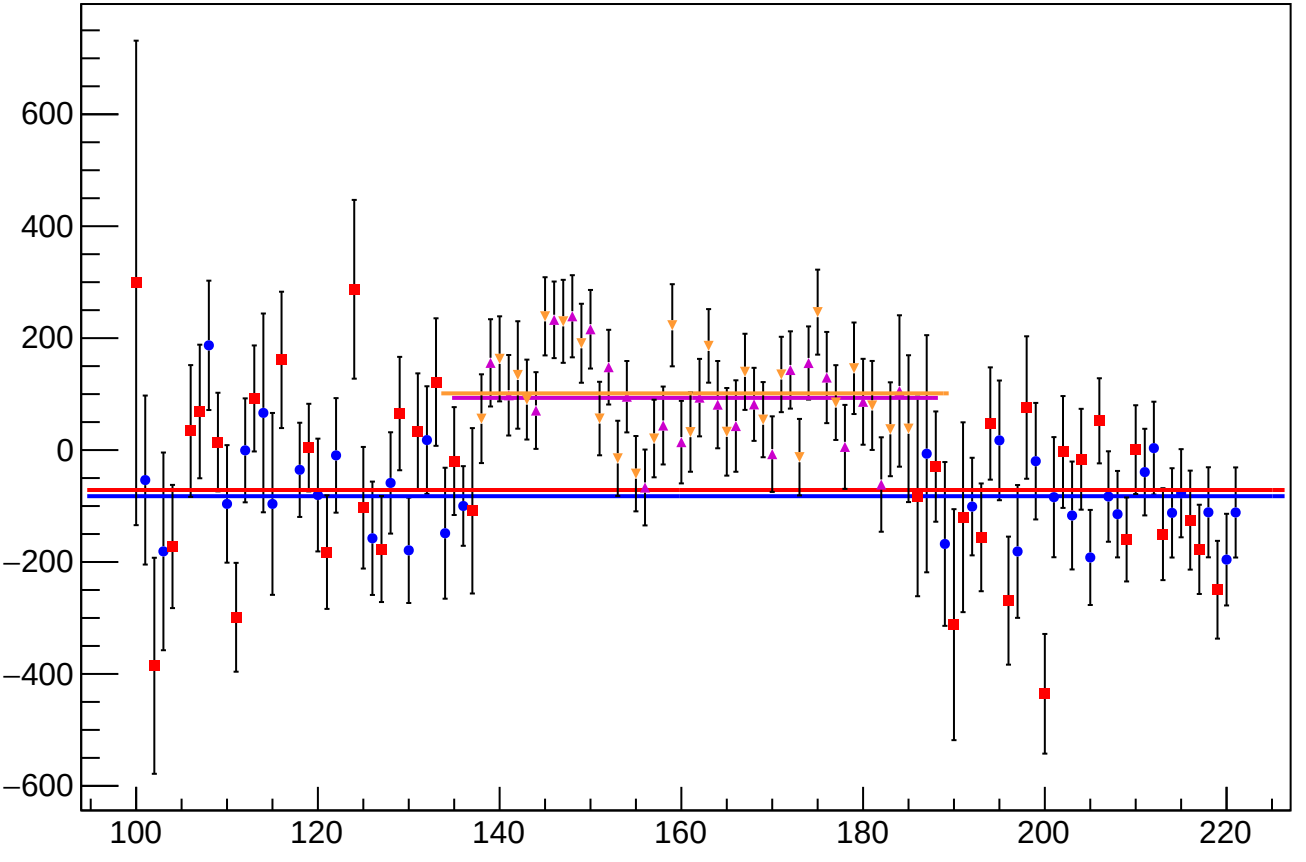
Right: 0.000+/-0.000 χ^2/NDF: 29584749.3/70

In: 0.000+/-0.000 χ^2/NDF:17666252.6/56

Out: 0.000+/-0.000 χ^2/NDF:16691882.4/61

All: 0.000+/-0.000 χ^2/NDF: 34396120.5/118

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: -71.342+/-16.880 χ^2/NDF: 66.6/36

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

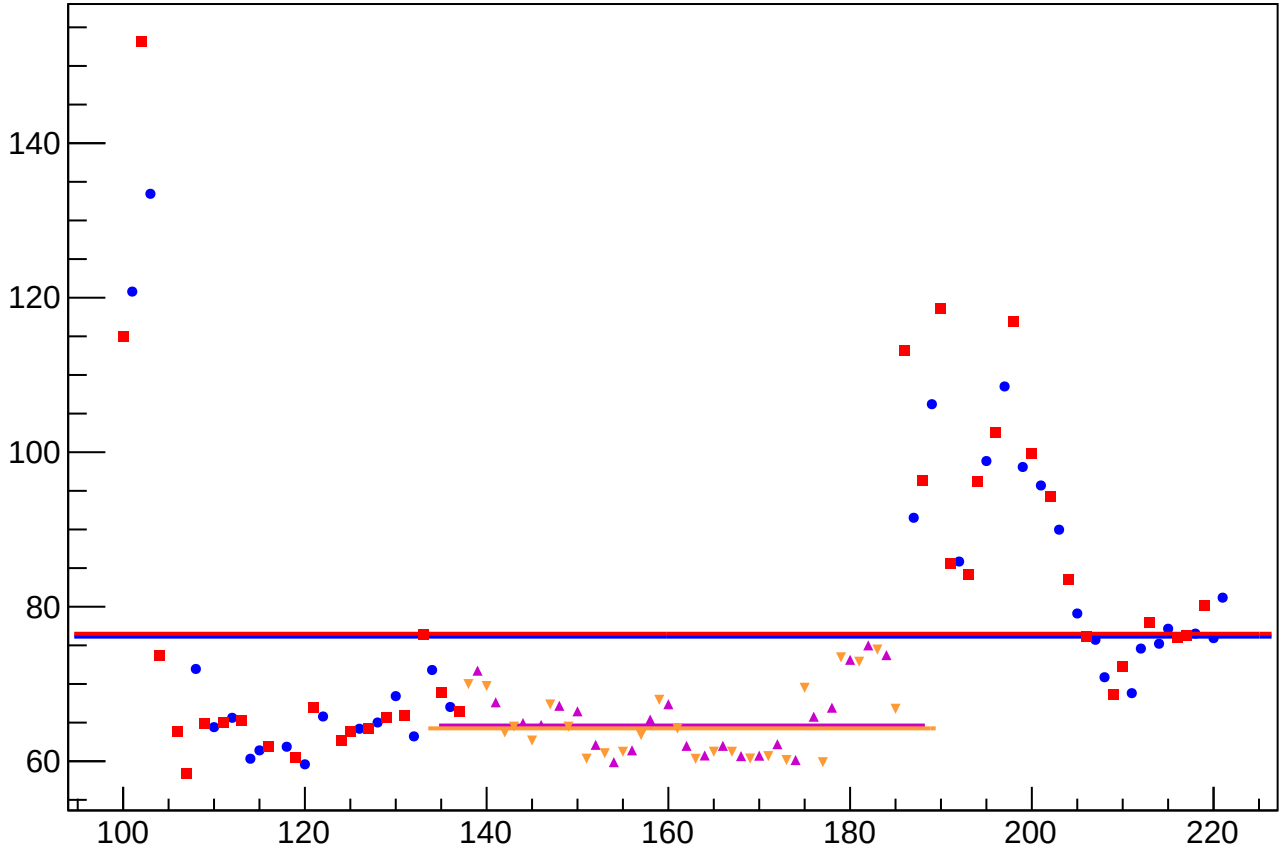
Right: -76.991+/-11.805 χ^2/NDF: 86.2/70

In: 13.049+/-11.159 χ^2/NDF:109.7/56

Out: 27.191+/-11.061 χ^2/NDF:160.2/61

All: 20.183+/-7.855 χ^2/NDF: 270.7/118

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: 76.503+/-0.012 χ^2/NDF: 1615606.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

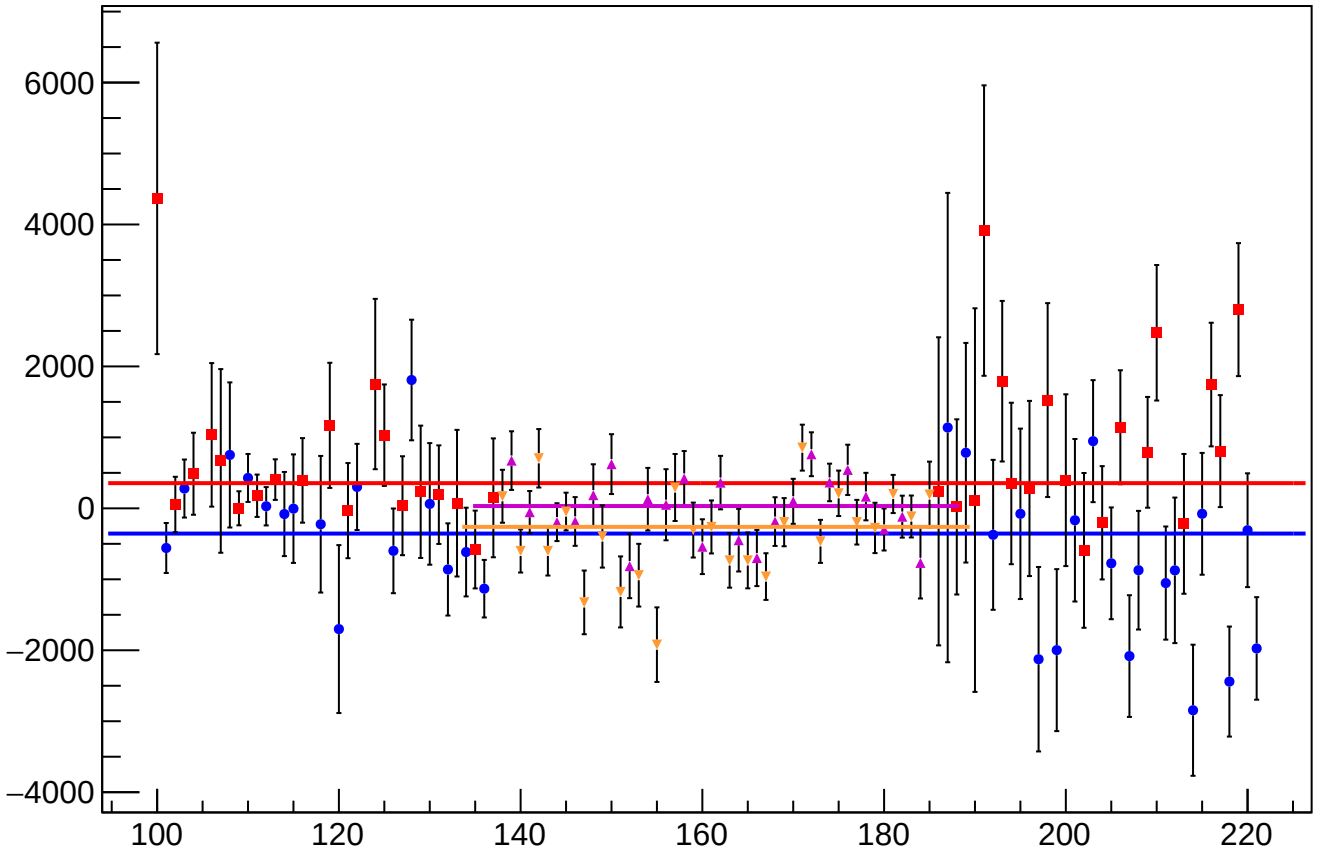
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.312+/-0.008 χ^2/NDF: 2956332.7/70

In: 69.875+/-0.008 χ^2/NDF:2015222.9/56

Out: 69.514+/-0.008 χ^2/NDF:2394154.3/61

All: 69.693+/-0.006 χ^2/NDF: 4410433.8/118



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: 354.968+/-106.269 χ^2/NDF: 36.8/36

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

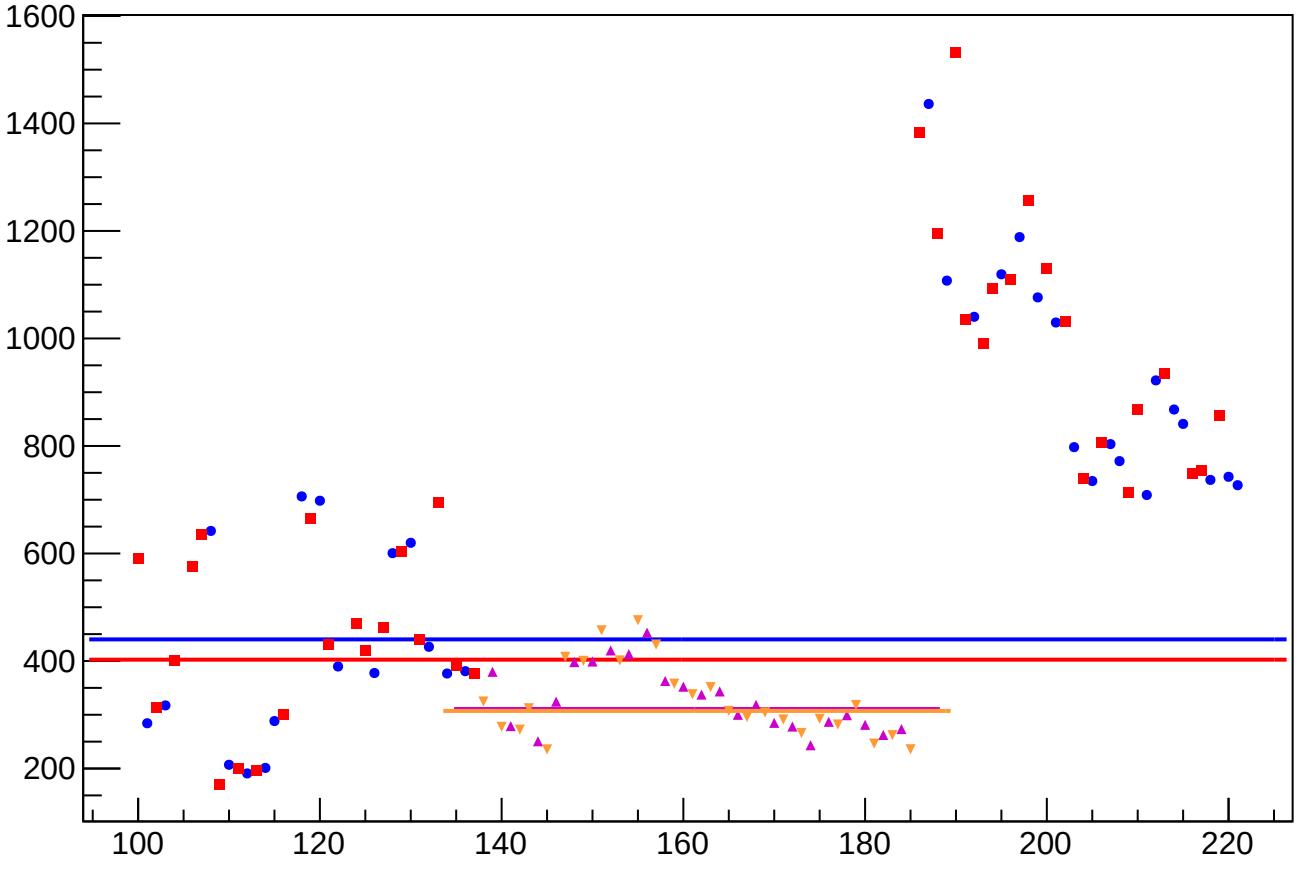
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 10.665+/-76.294 χ^2/NDF: 116.4/70

In: -88.696+/-61.237 χ^2/NDF:98.3/56

Out: -69.995+/-59.190 χ^2/NDF:118.7/61

All: -79.028+/-42.559 χ^2/NDF: 217.1/118



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: 402.495+/-0.075 χ^2/NDF: 13899248.0/36

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

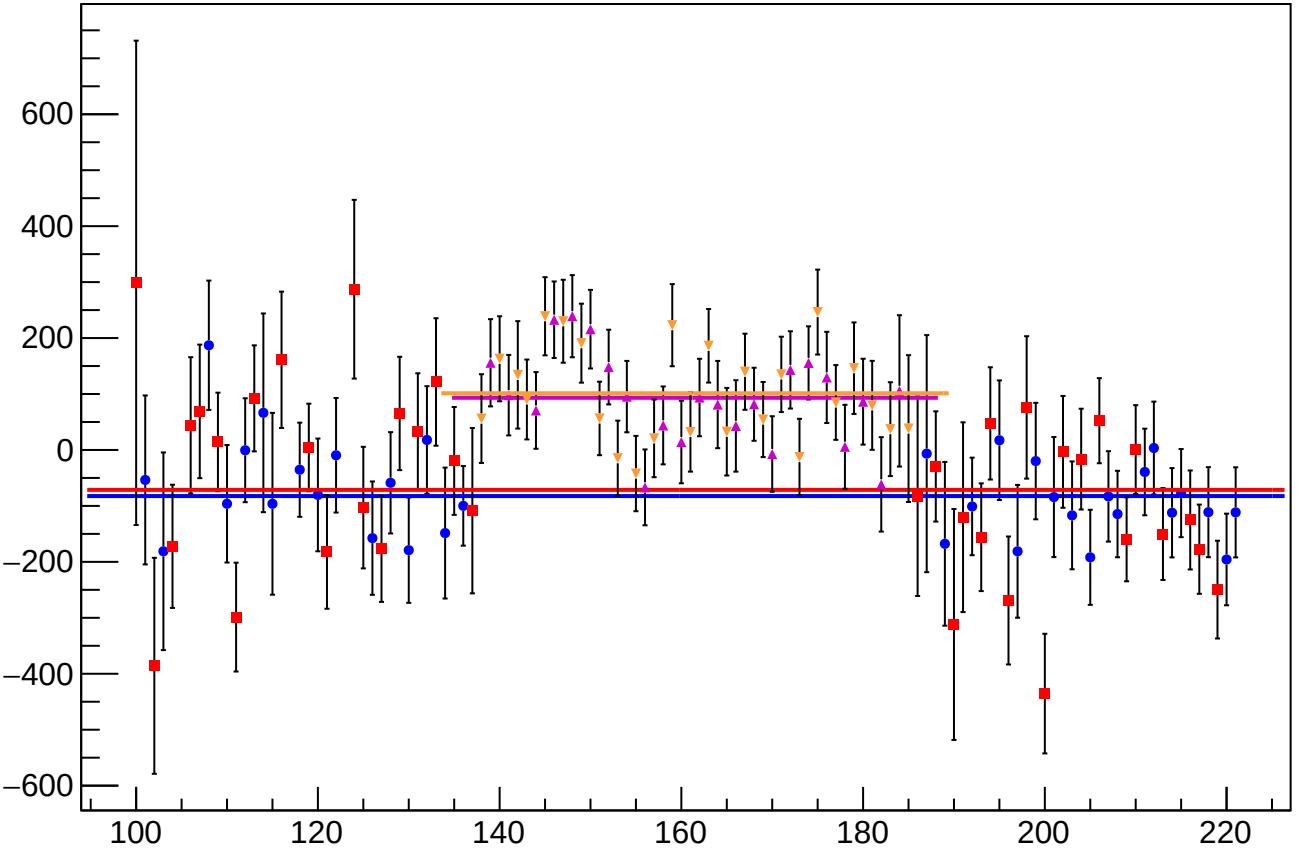
Right: 420.768+/-0.054 χ^2/NDF: 25617327.3/70

In: 351.127+/-0.043 χ^2/NDF:14596248.3/56

Out: 336.724+/-0.042 χ^2/NDF:16330057.6/61

All: 343.681+/-0.030 χ^2/NDF: 30983501.2/11

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: -71.294+/-16.892 χ^2/NDF: 66.7/36

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

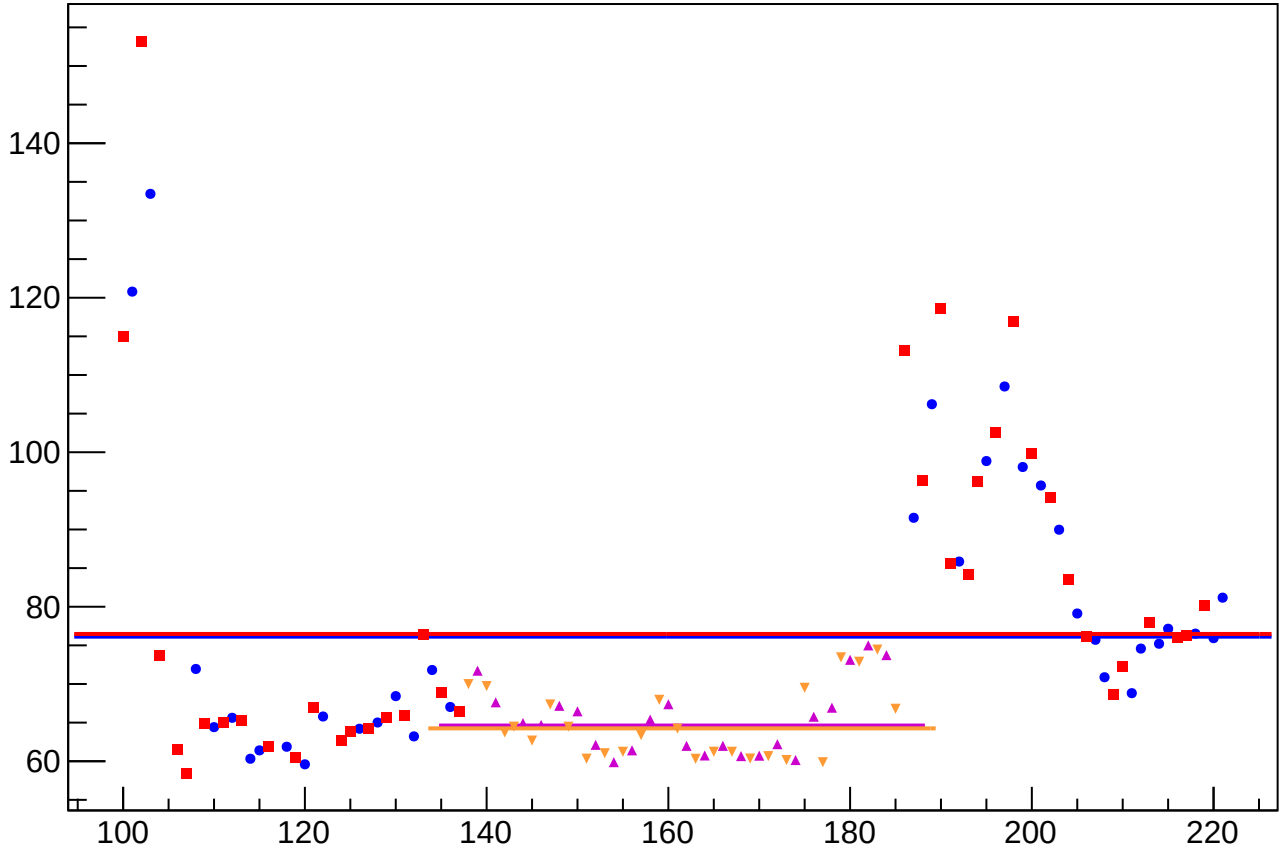
Right: -76.972+/-11.809 χ^2/NDF: 86.3/70

In: 13.048+/-11.159 χ^2/NDF:109.7/56

Out: 27.269+/-11.064 χ^2/NDF:160.2/61

All: 20.219+/-7.857 χ^2/NDF: 270.7/118

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: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

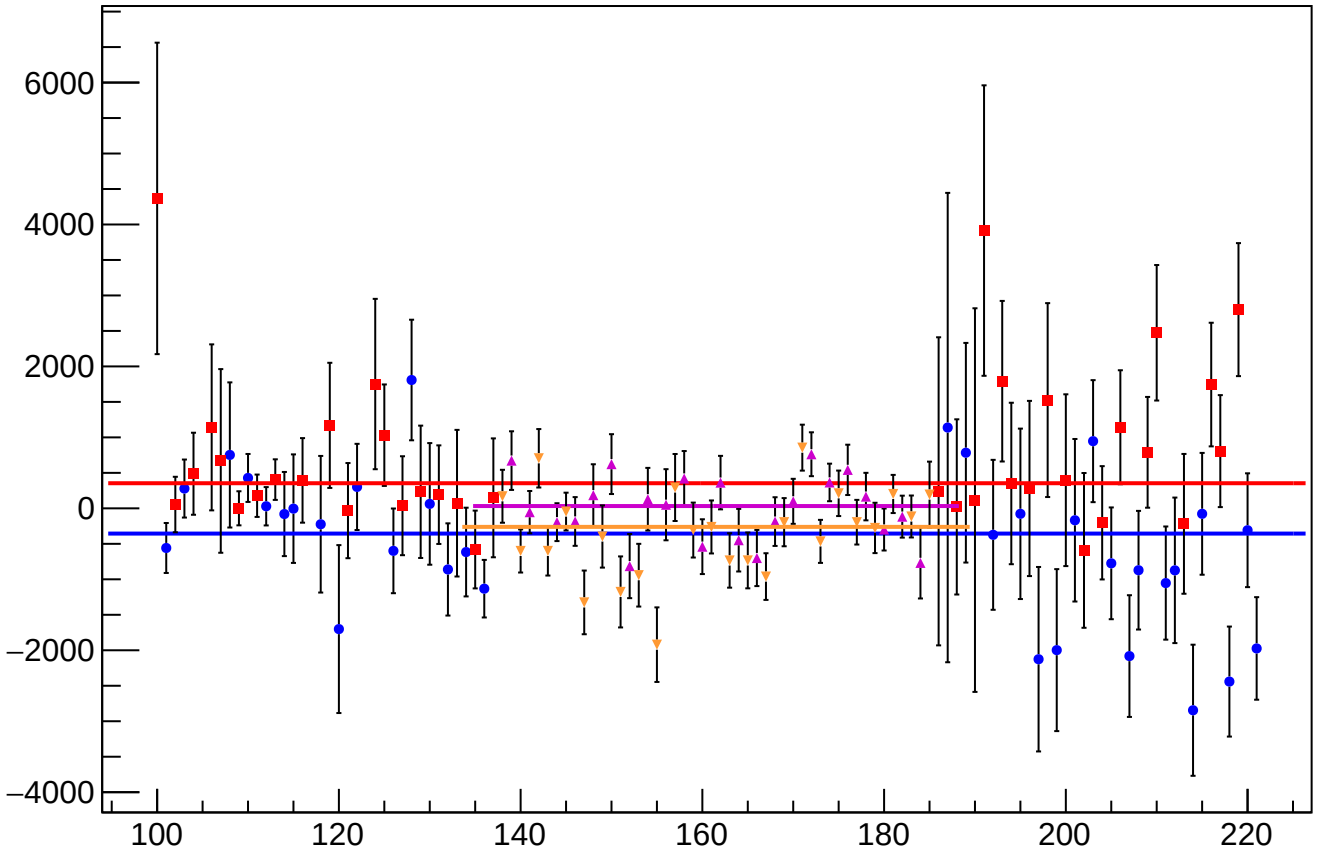
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.298+/-0.008 χ^2/NDF: 2963540.4/70

In: 69.875+/-0.008 χ^2/NDF:2015223.2/56

Out: 69.498+/-0.008 χ^2/NDF:2398192.9/61

All: 69.685+/-0.006 χ^2/NDF: 4414569.5/118



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: 353.960+/-106.421 χ^2/NDF: 36.8/36

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

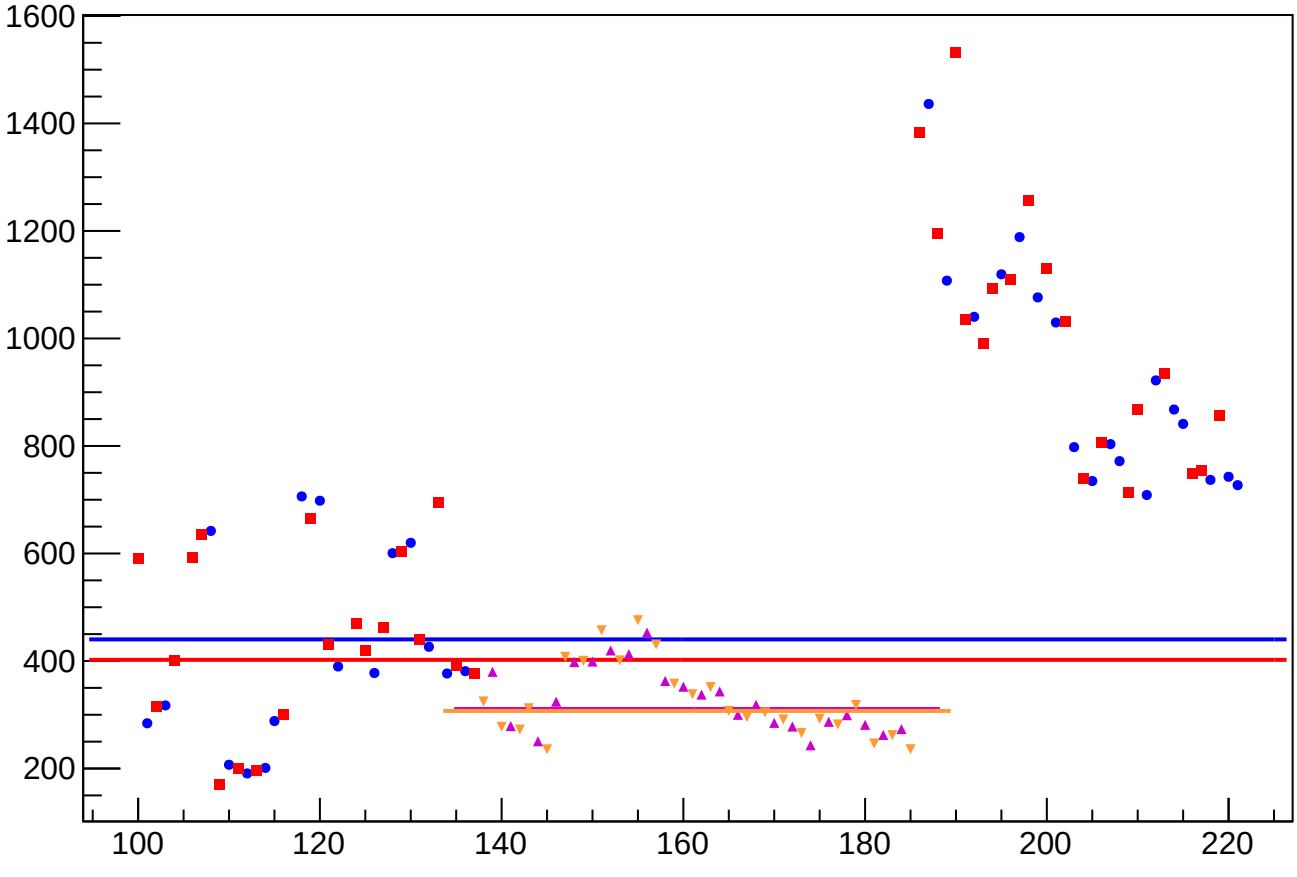
Right: 9.642+/-76.350 χ^2/NDF: 116.3/70

In: -88.697+/-61.237 χ^2/NDF:98.3/56

Out: -70.684+/-59.216 χ^2/NDF:118.6/61

All: -79.388+/-42.569 χ^2/NDF: 217.0/118

asym_sam7_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: 402.178+/-0.075 χ^2/NDF: 13893593.6/36

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

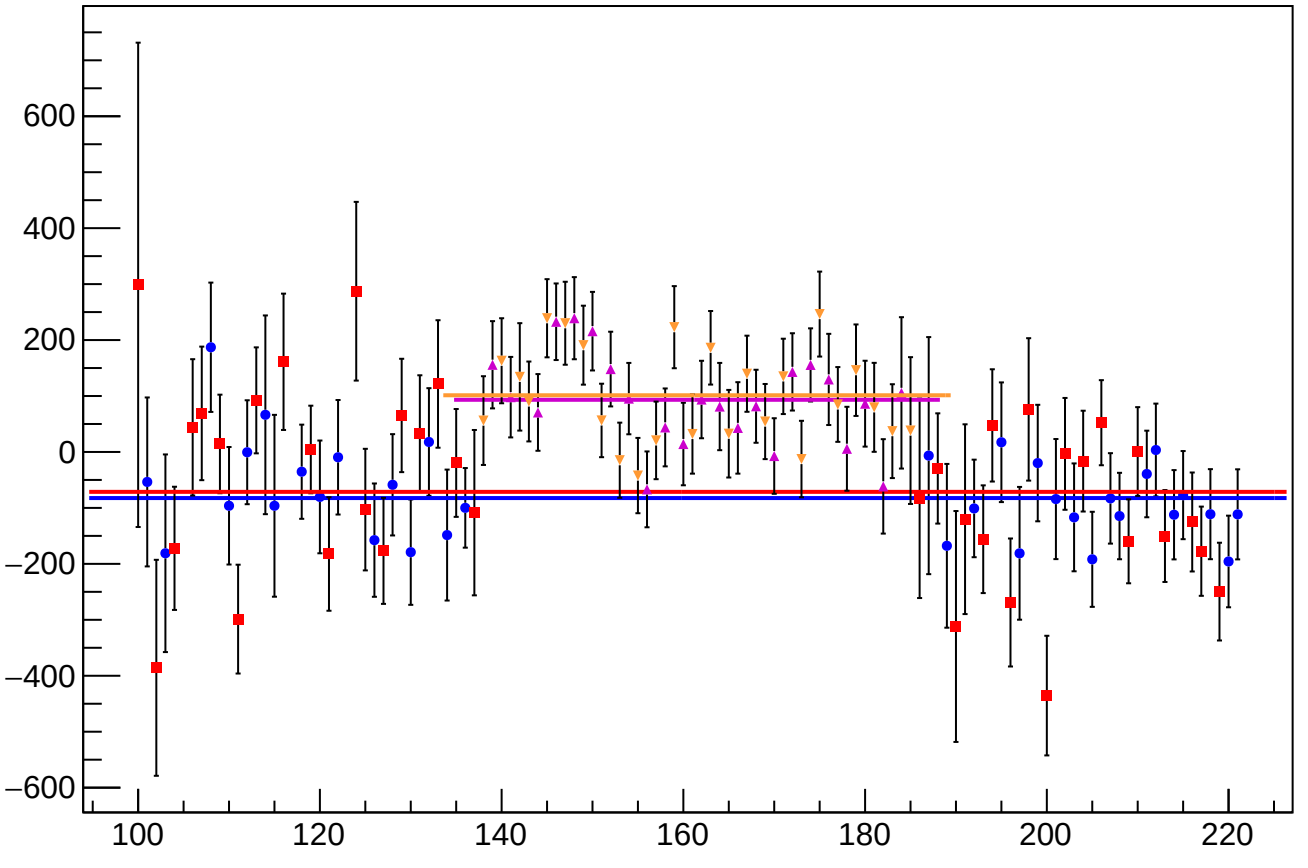
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 420.633+/-0.054 χ^2/NDF: 25613492.4/70

In: 351.127+/-0.043 χ^2/NDF:14596228.8/56

Out: 336.568+/-0.042 χ^2/NDF:16314854.3/61

All: 343.603+/-0.030 χ^2/NDF: 30969508.6/1



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: -71.294+/-16.892 χ^2/NDF: 66.7/36

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

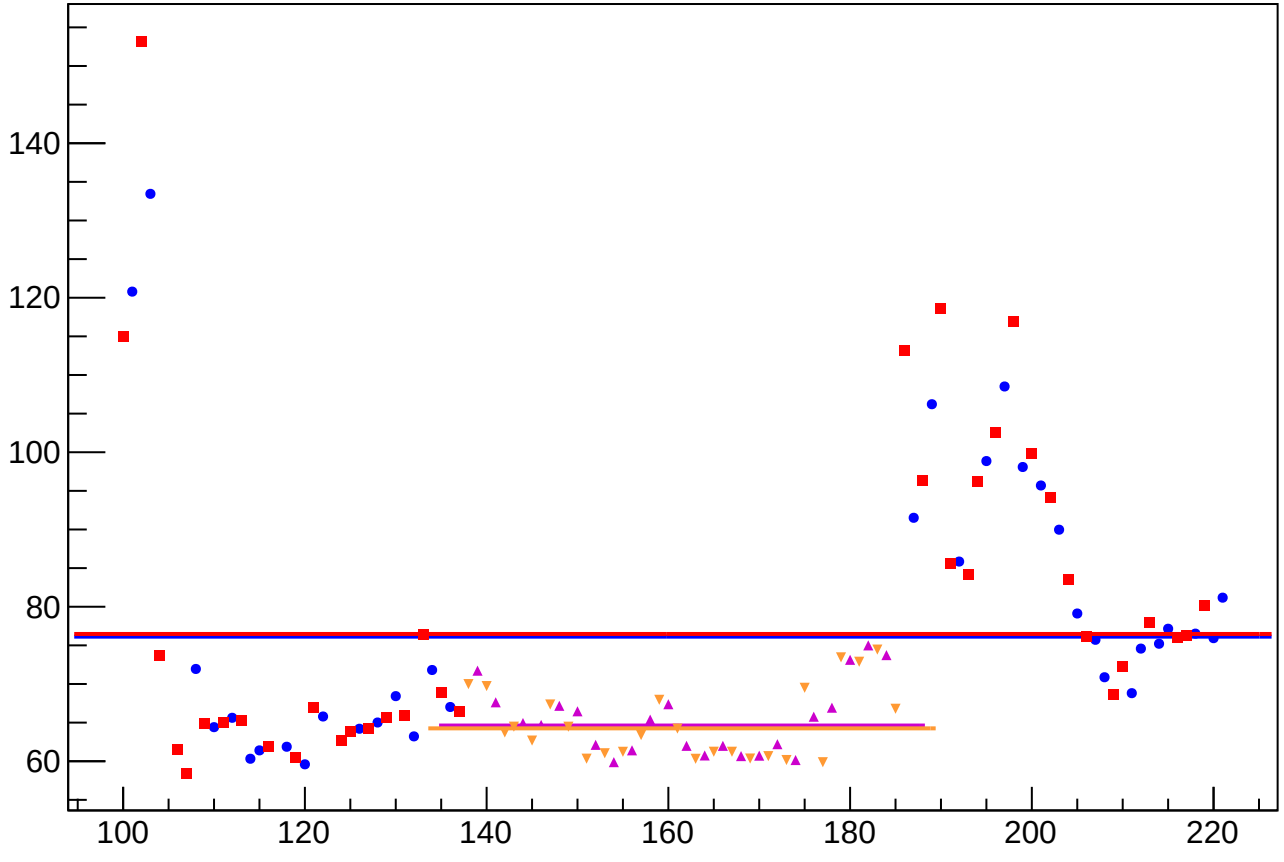
Right: -76.972+/-11.809 χ^2/NDF: 86.3/70

In: 13.048+/-11.159 χ^2/NDF:109.7/56

Out: 27.269+/-11.064 χ^2/NDF:160.2/61

All: 20.219+/-7.857 χ^2/NDF: 270.7/118

eigen_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: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

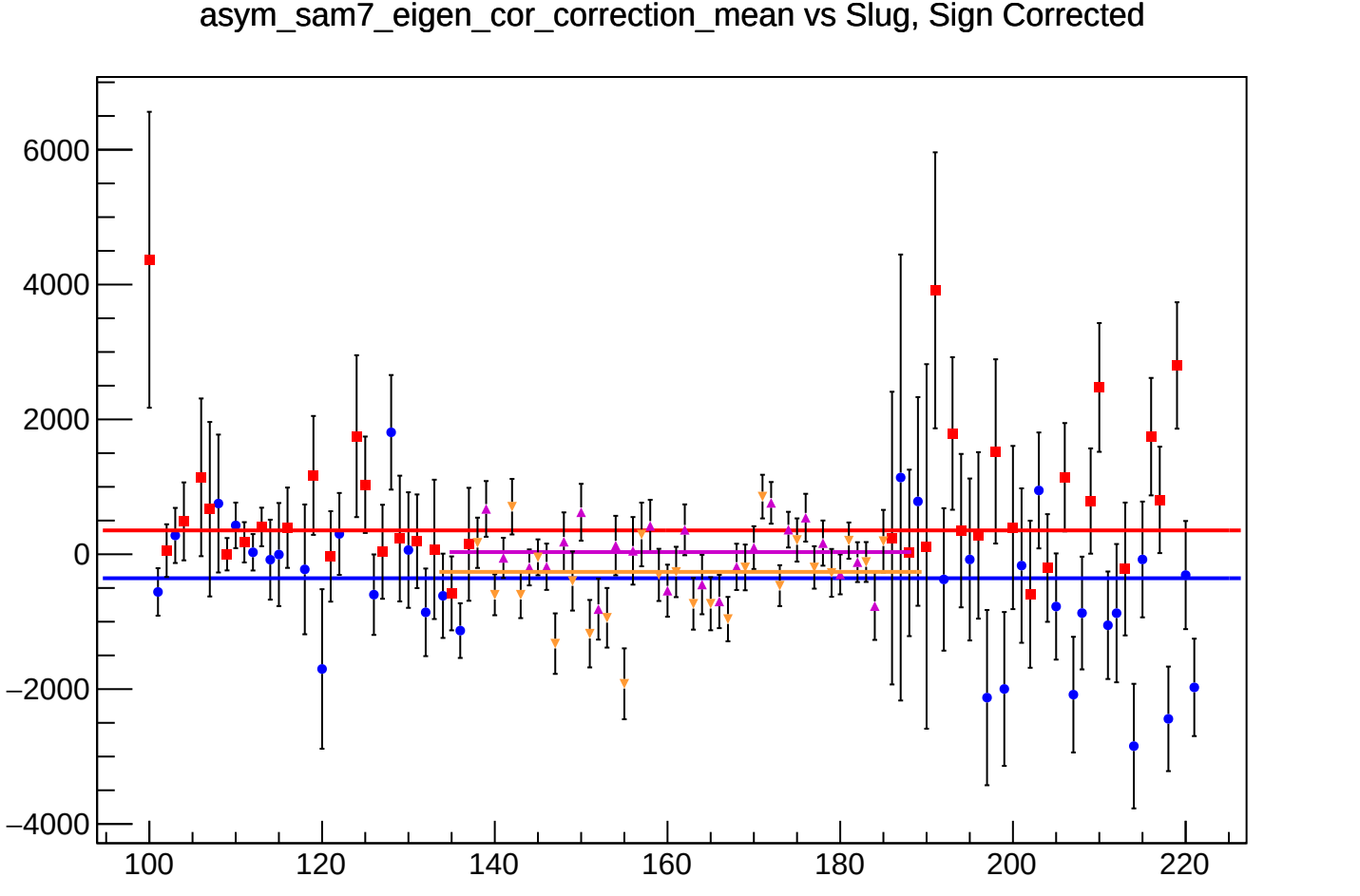
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

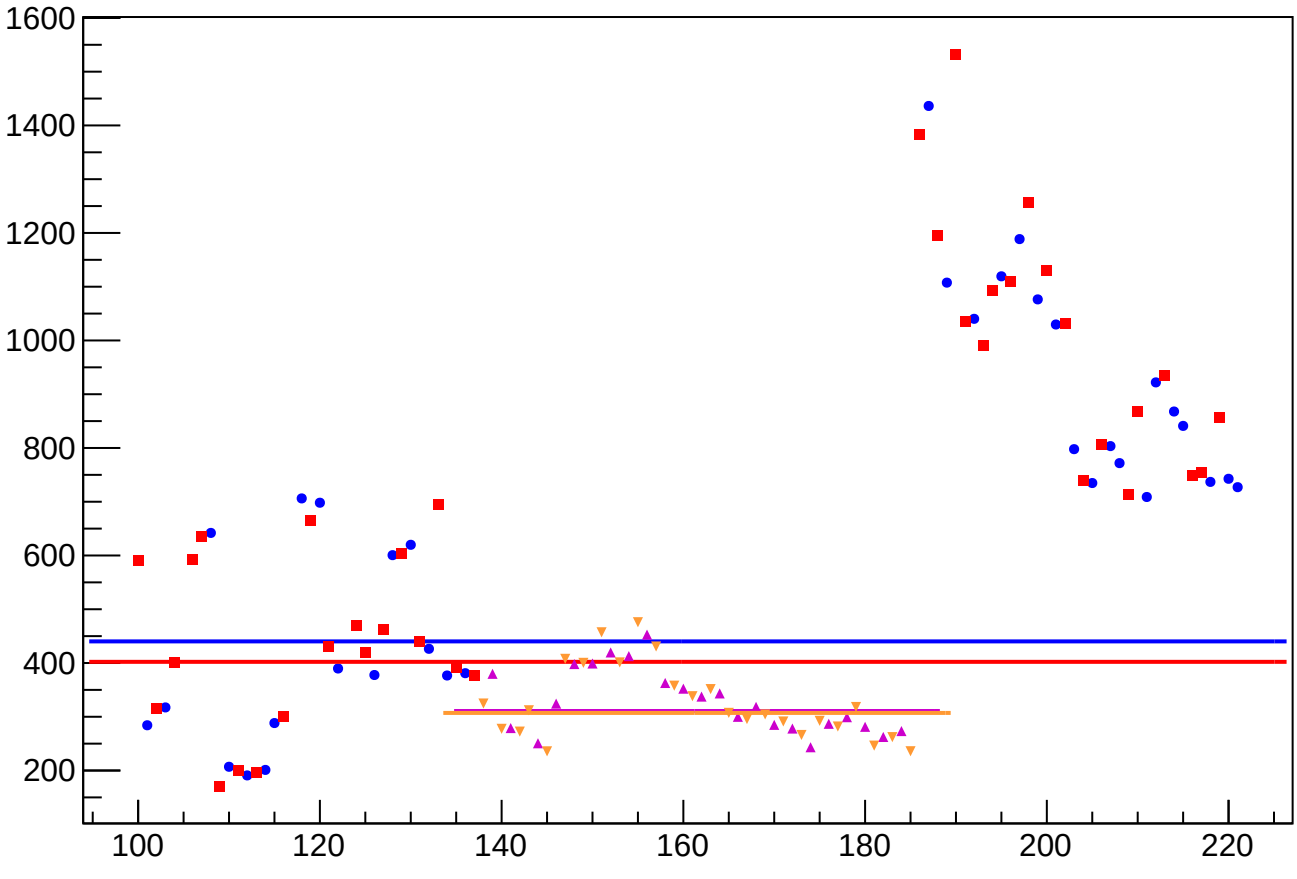
Right: 76.298+/-0.008 χ^2/NDF: 2963540.4/70

In: 69.875+/-0.008 χ^2/NDF:2015223.2/56

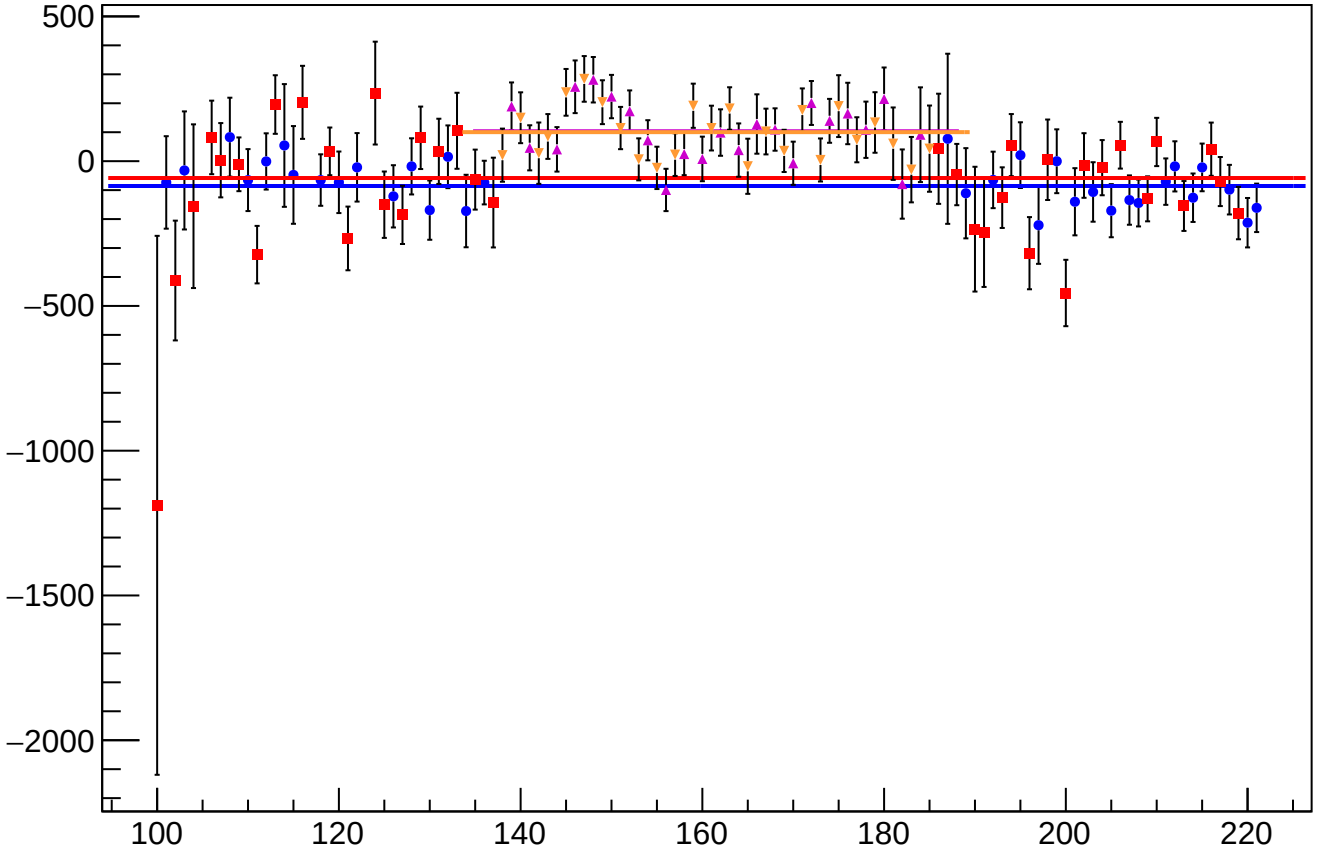
Out: 69.498+/-0.008 χ^2/NDF:2398192.9/61

All: 69.685+/-0.006 χ^2/NDF: 4414569.5/118


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -355.553+/-109.600 χ²/NDF: 58.0/33
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 353.960+/-106.421 χ²/NDF: 36.8/36
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 9.642+/-76.350 χ²/NDF: 116.3/70
In: -88.697+/-61.237 χ²/NDF:98.3/56
Out: -70.684+/-59.216 χ²/NDF:118.6/61
All: -79.388+/-42.569 χ²/NDF: 217.0/118


asym_sam7_eigen_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: 402.178+/-0.075 χ²/NDF: 13893593.6/36
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 420.633+/-0.054 χ²/NDF: 25613492.4/70
In: 351.127+/-0.043 χ²/NDF:14596228.8/56
Out: 336.568+/-0.042 χ²/NDF:16314854.3/61
All: 343.603+/-0.030 χ²/NDF: 30969508.6/1

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: -58.175+/-18.145 χ^2/NDF: 67.6/36

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

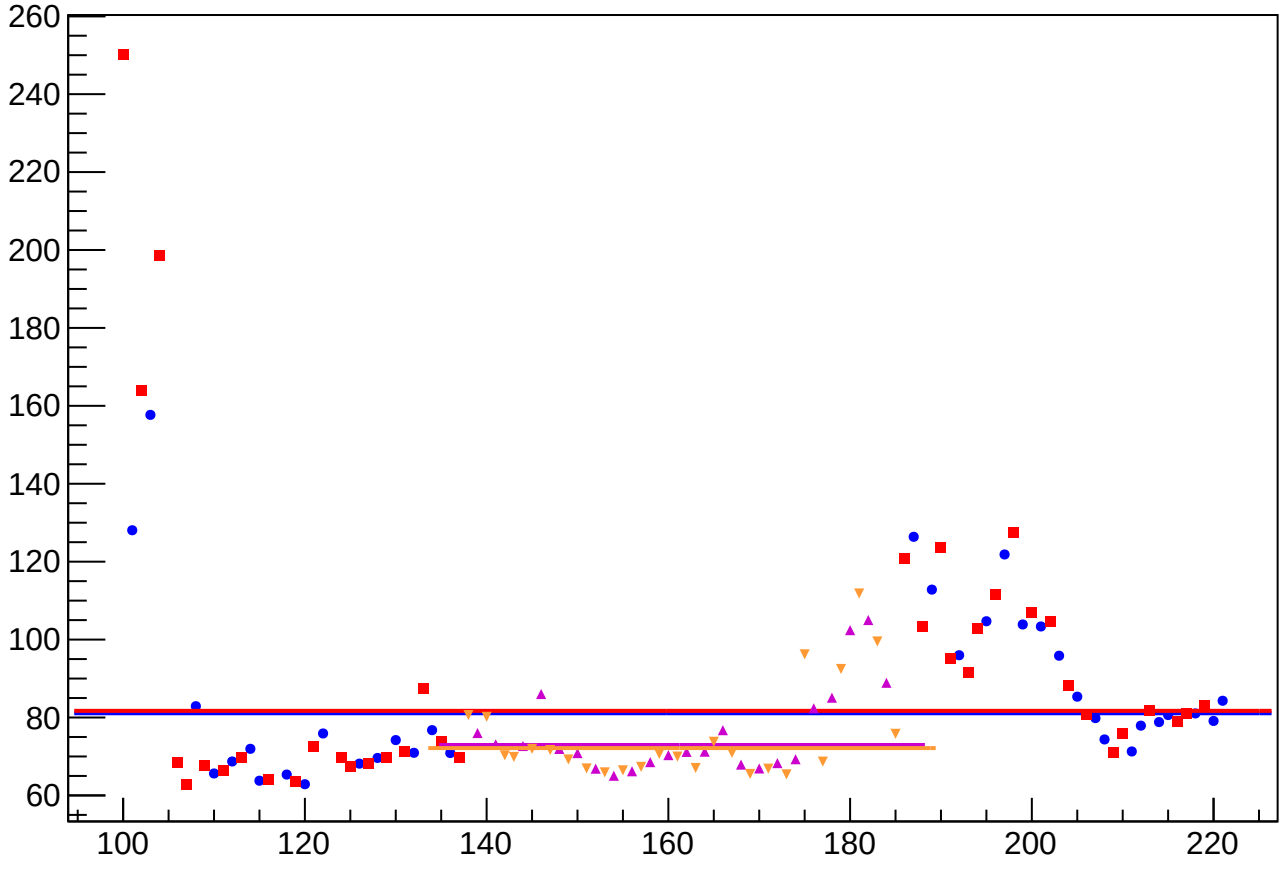
Right: -72.352+/-12.647 χ^2/NDF: 84.0/70

In: 10.848+/-12.336 χ^2/NDF:106.7/56

Out: 27.964+/-12.258 χ^2/NDF:136.7/61

All: 19.460+/-8.695 χ^2/NDF: 244.4/118

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: 81.711+/-0.013 χ^2/NDF: 2129311.2/36

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

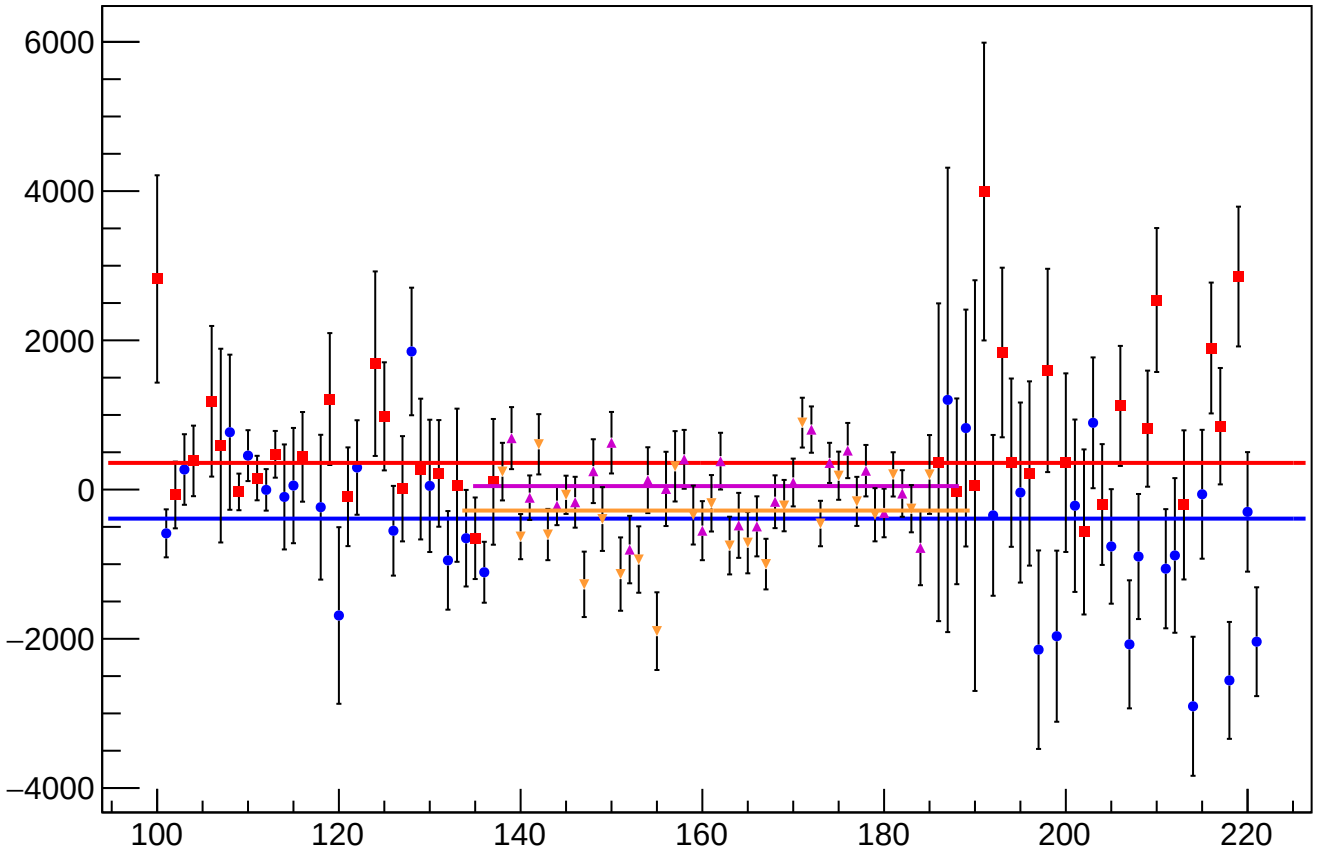
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.392+/-0.009 χ^2/NDF: 3639946.0/70

In: 76.932+/-0.009 χ^2/NDF:2236216.9/56

Out: 76.513+/-0.009 χ^2/NDF:3073151.1/61

All: 76.721+/-0.006 χ^2/NDF: 5310527.8/118



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: 357.432+/-108.017 χ^2/NDF: 39.5/36

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

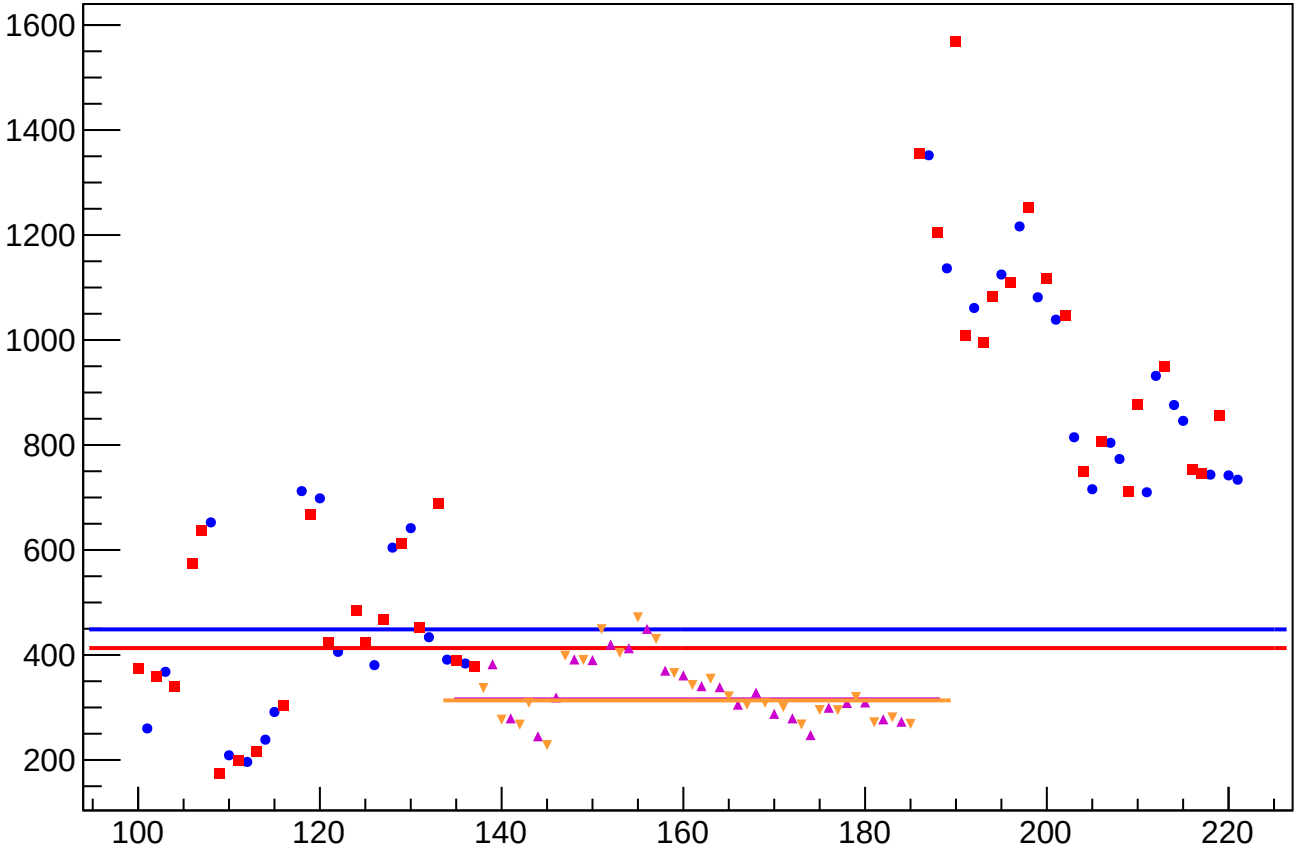
Right: -4.478+/-77.548 χ^2/NDF: 120.7/70

In: -89.153+/-62.155 χ^2/NDF:99.3/56

Out: -82.715+/-60.219 χ^2/NDF:120.4/61

All: -85.832+/-43.250 χ^2/NDF: 219.7/118

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 448.755+/-0.079 χ^2/NDF: 11416472.7/33

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 413.179+/-0.076 χ^2/NDF: 13387406.9/36

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

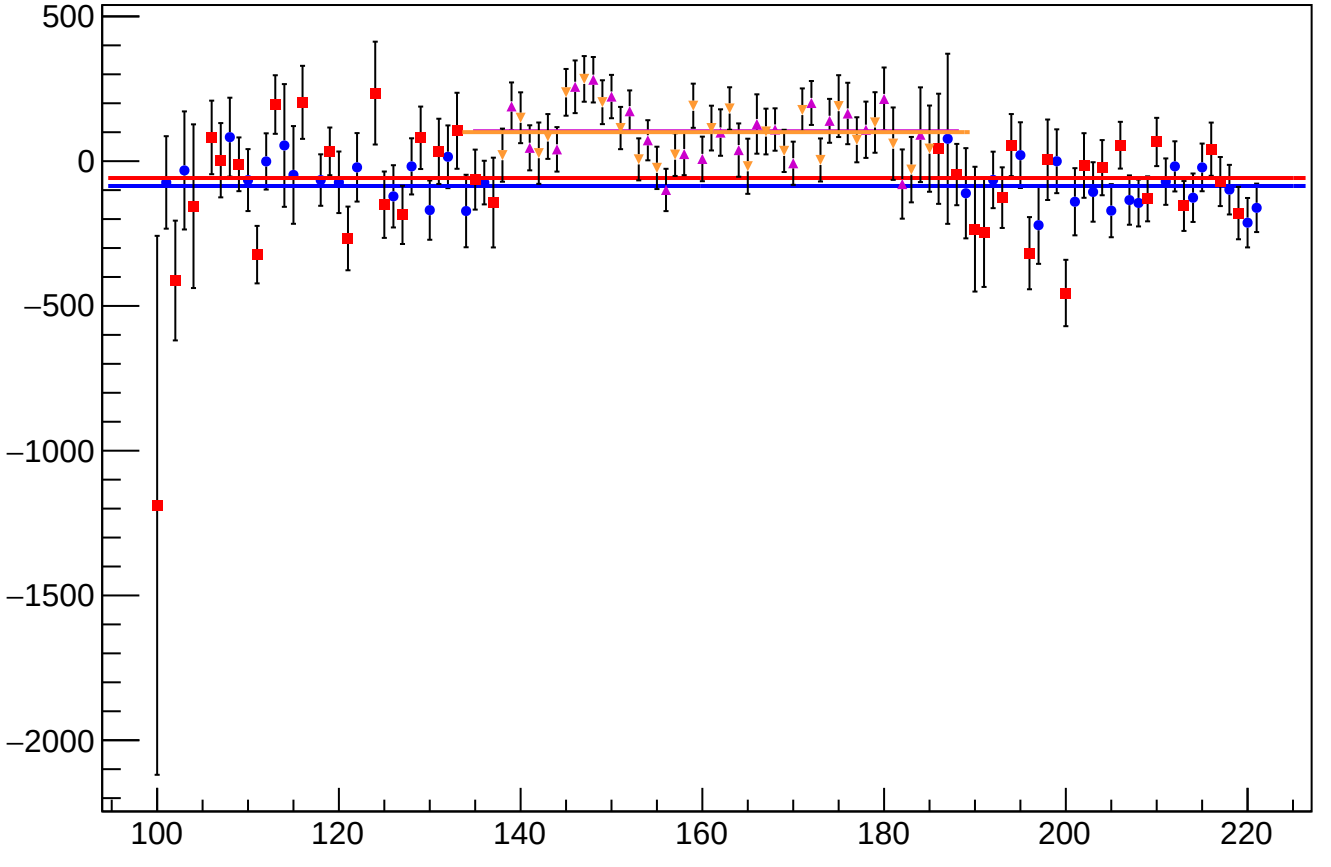
Right: 430.419+/-0.055 χ^2/NDF: 24909012.5/70

In: 356.953+/-0.044 χ^2/NDF:14397206.8/56

Out: 344.481+/-0.043 χ^2/NDF:15736726.5/61

All: 350.520+/-0.031 χ^2/NDF: 30175474.4/11

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



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: -58.177+/-18.145 χ^2/NDF: 67.6/36

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

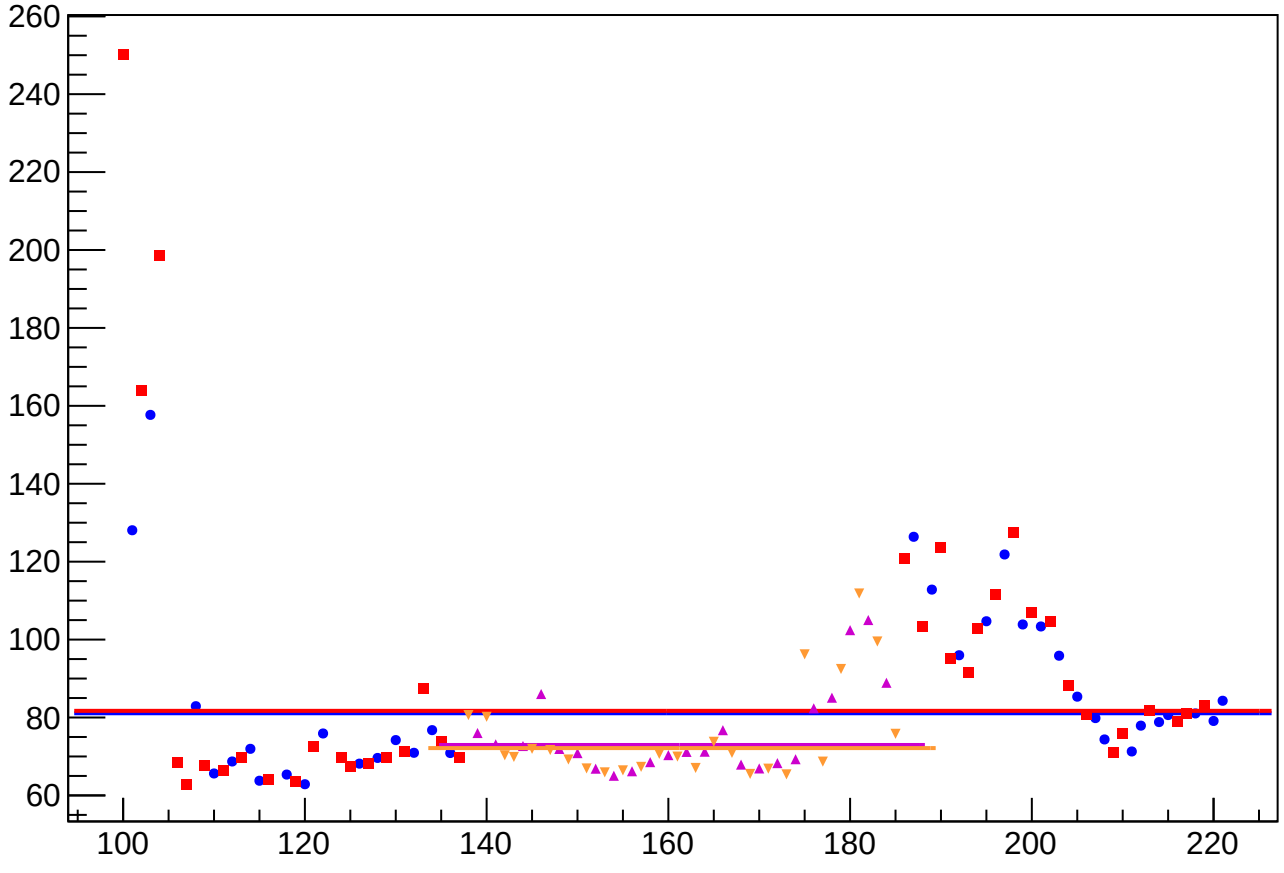
Right: -72.353+/-12.647 χ^2/NDF: 84.0/70

In: 10.848+/-12.336 χ^2/NDF:106.7/56

Out: 27.963+/-12.258 χ^2/NDF:136.7/61

All: 19.460+/-8.695 χ^2/NDF: 244.4/118

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



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: 81.711+/-0.013 χ^2/NDF: 2129312.6/36

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

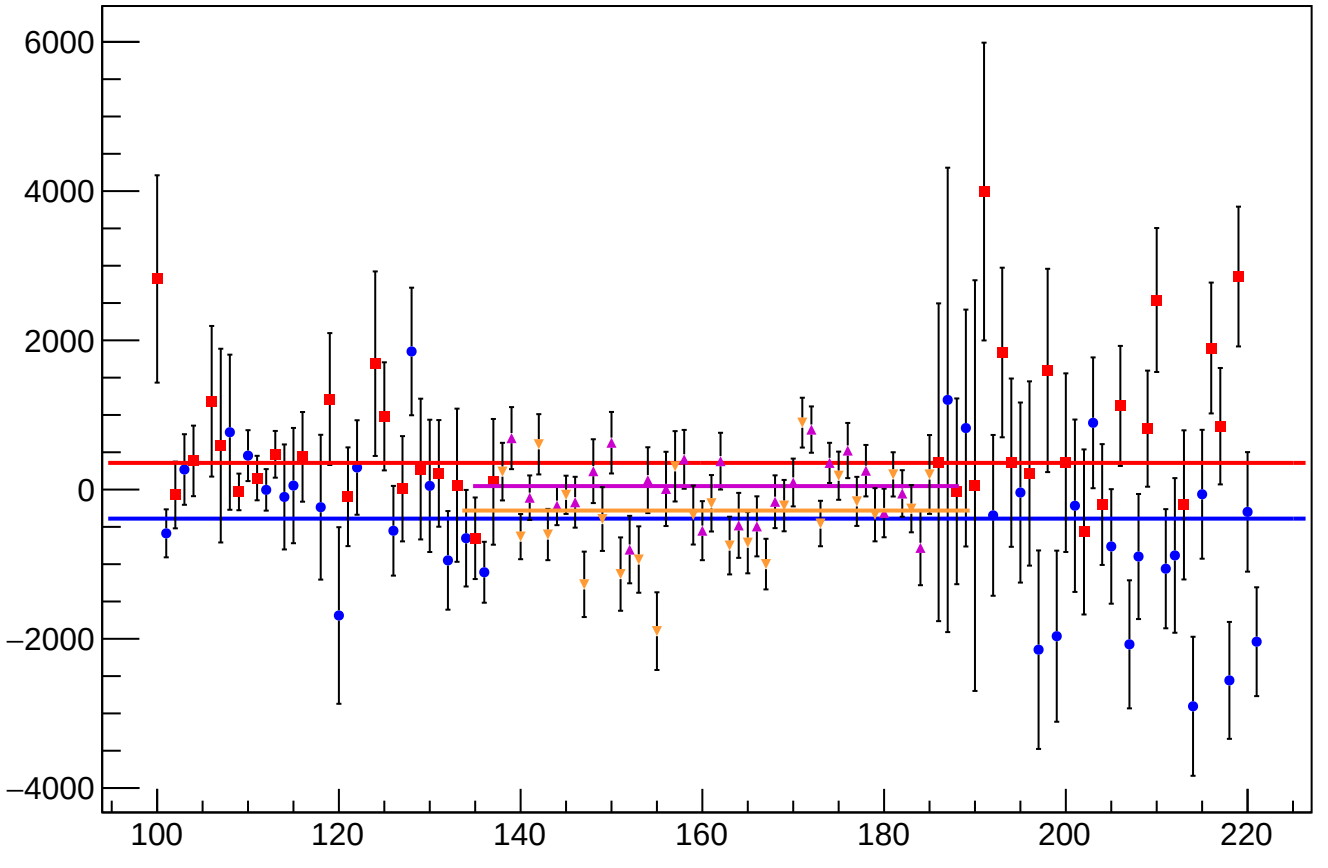
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.392+/-0.009 χ^2/NDF: 3639954.0/70

In: 76.932+/-0.009 χ^2/NDF:2236220.4/56

Out: 76.513+/-0.009 χ^2/NDF:3073143.9/61

All: 76.721+/-0.006 χ^2/NDF: 5310524.2/118



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: 357.430+/-108.017 χ^2/NDF: 39.5/36

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

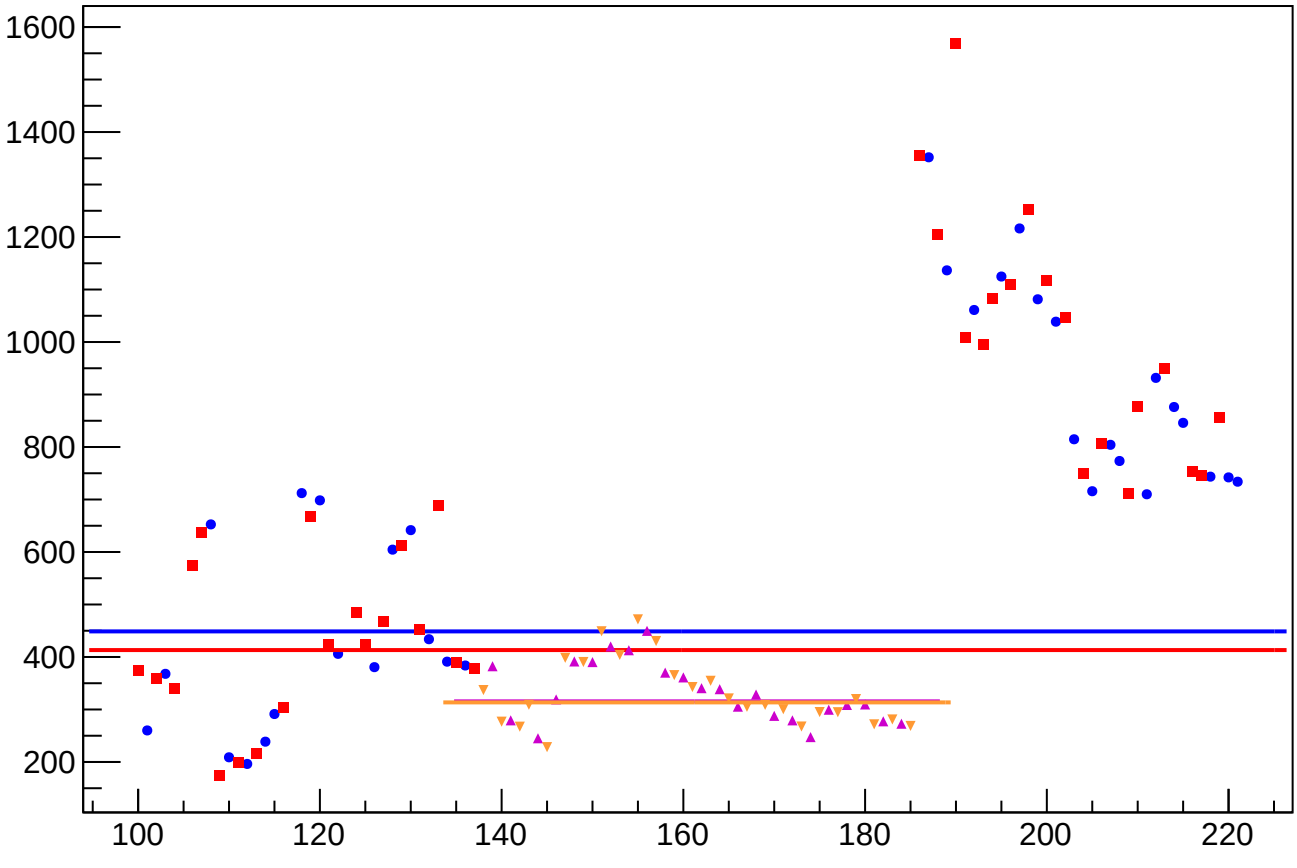
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: -4.478+/-77.547 χ^2/NDF: 120.7/70

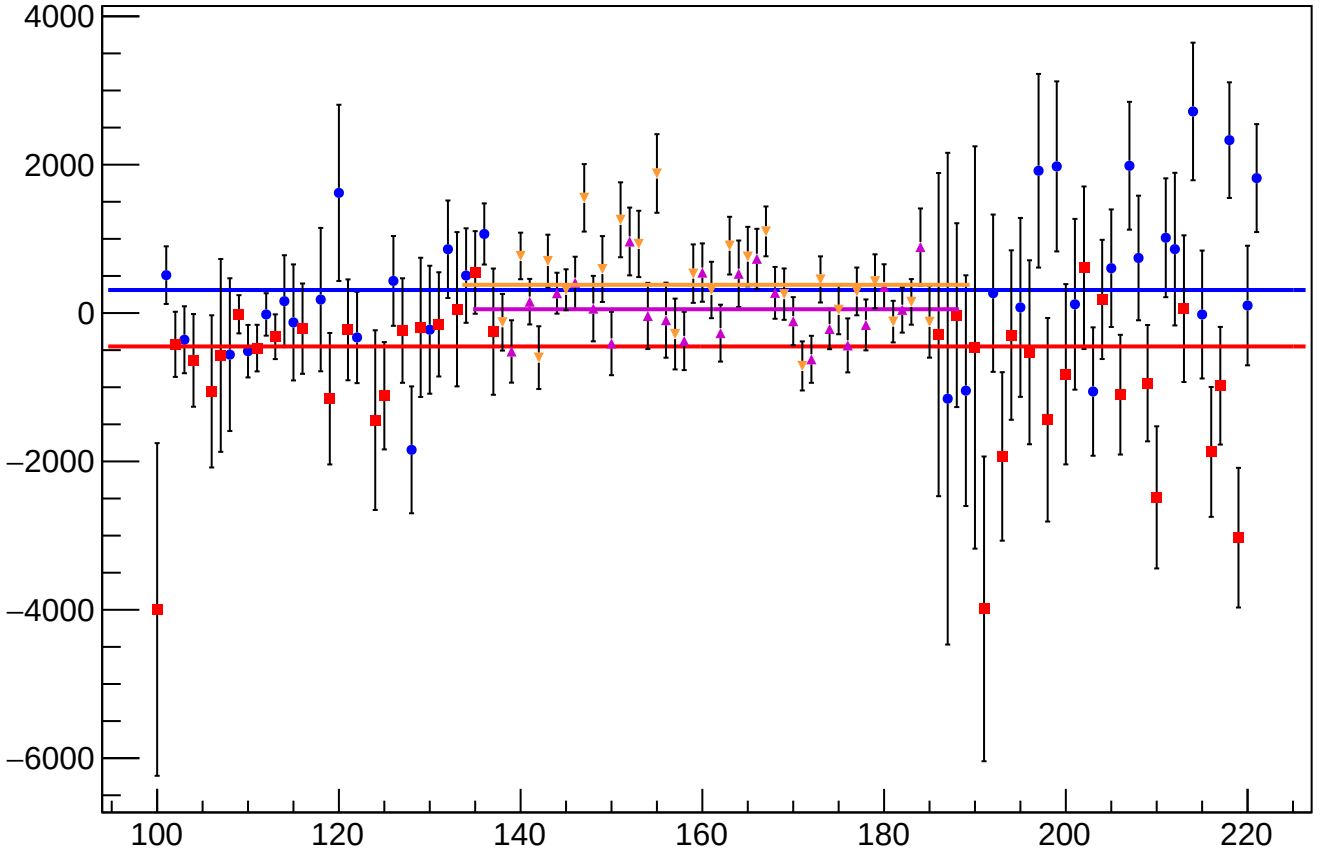
In: -89.153+/-62.155 χ^2/NDF:99.3/56

Out: -82.715+/-60.219 χ^2/NDF:120.4/61

All: -85.832+/-43.250 χ^2/NDF: 219.7/118


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: 413.177+/-0.076 χ²/NDF: 13387486.1/36
Left In: 315.456+/-0.053 χ²/NDF:1008521.8/22
Left: 314.447+/-0.037 χ²/NDF: 2184760.0/47
Right: 430.416+/-0.055 χ²/NDF: 24909231.4/70
In: 356.953+/-0.044 χ²/NDF:14397263.8/56
Out: 344.480+/-0.043 χ²/NDF:15736767.7/61
All: 350.519+/-0.031 χ²/NDF: 30175572.3/11

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: -450.161+/-110.810 χ^2/NDF: 35.6/36

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

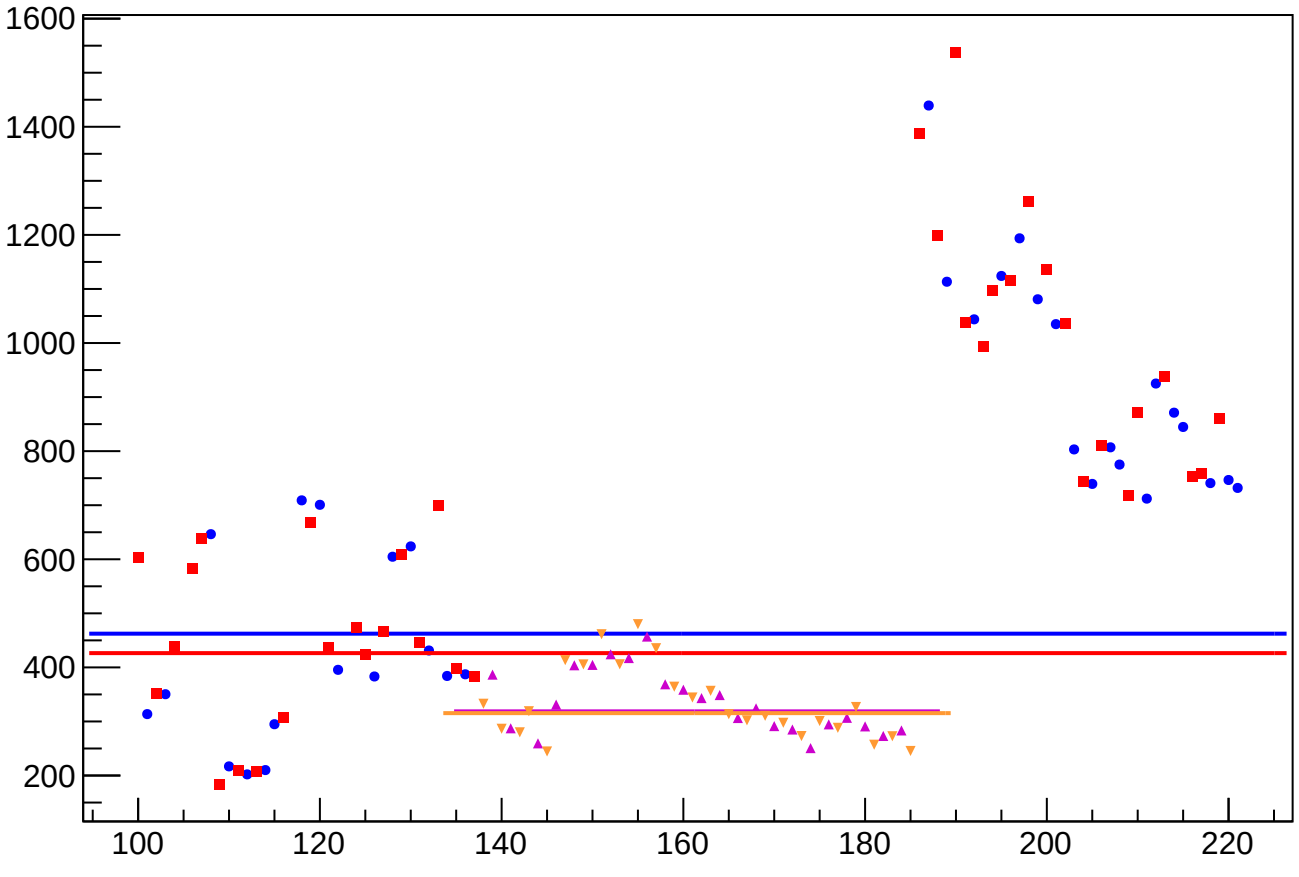
Right: -79.411+/-79.340 χ^2/NDF: 112.5/70

In: 131.000+/-62.962 χ^2/NDF:85.7/56

Out: 128.917+/-60.993 χ^2/NDF:130.2/61

All: 129.926+/-43.808 χ^2/NDF: 215.9/118

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: 426.417+/-0.078 χ^2/NDF: 13007069.0/36

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

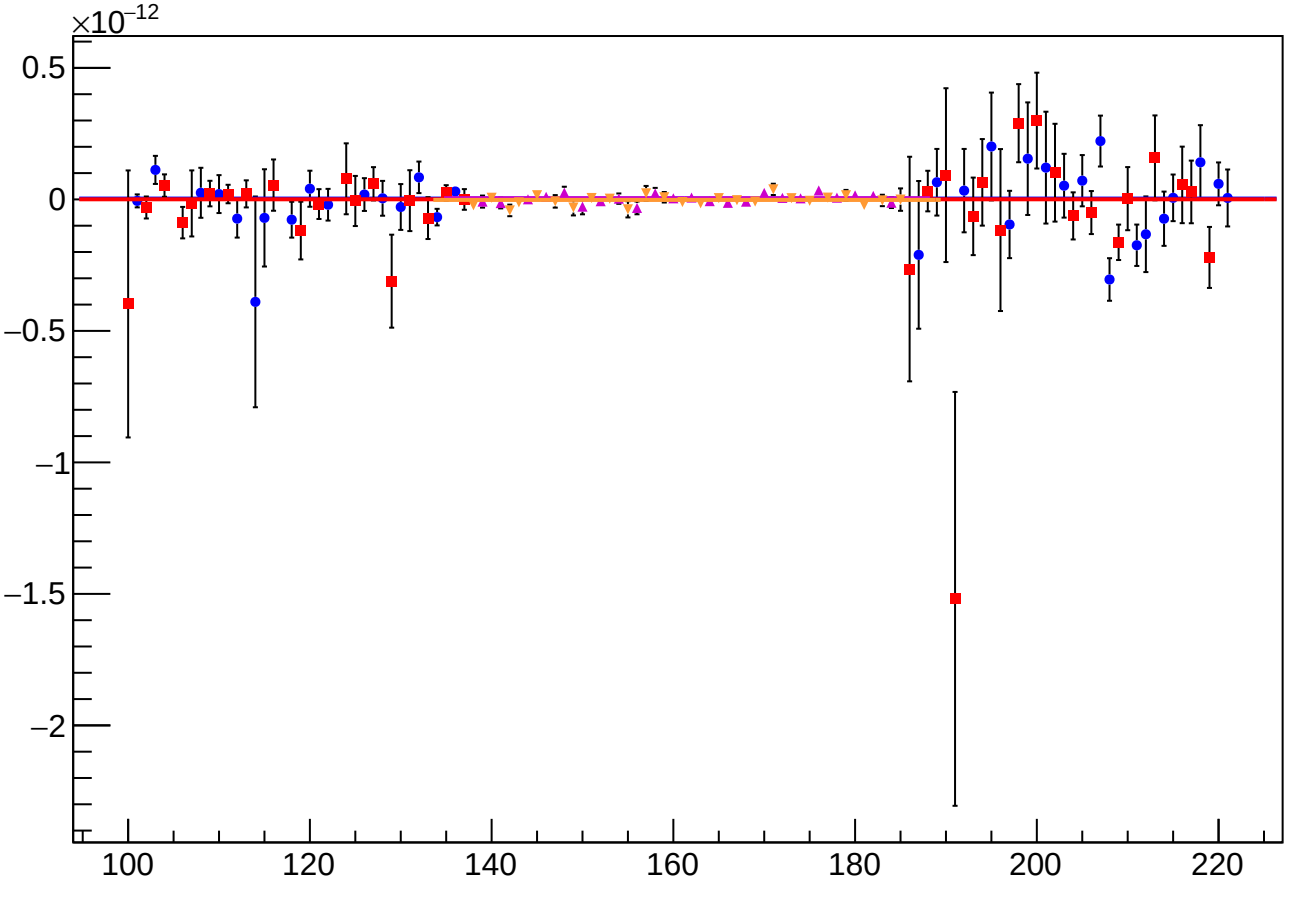
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 443.950+/-0.056 χ^2/NDF: 23872178.3/70

In: 362.794+/-0.045 χ^2/NDF:13970228.6/56

Out: 349.032+/-0.043 χ^2/NDF:15616530.7/61

All: 355.695+/-0.031 χ^2/NDF: 29636053.0/11



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: 36.2/36

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

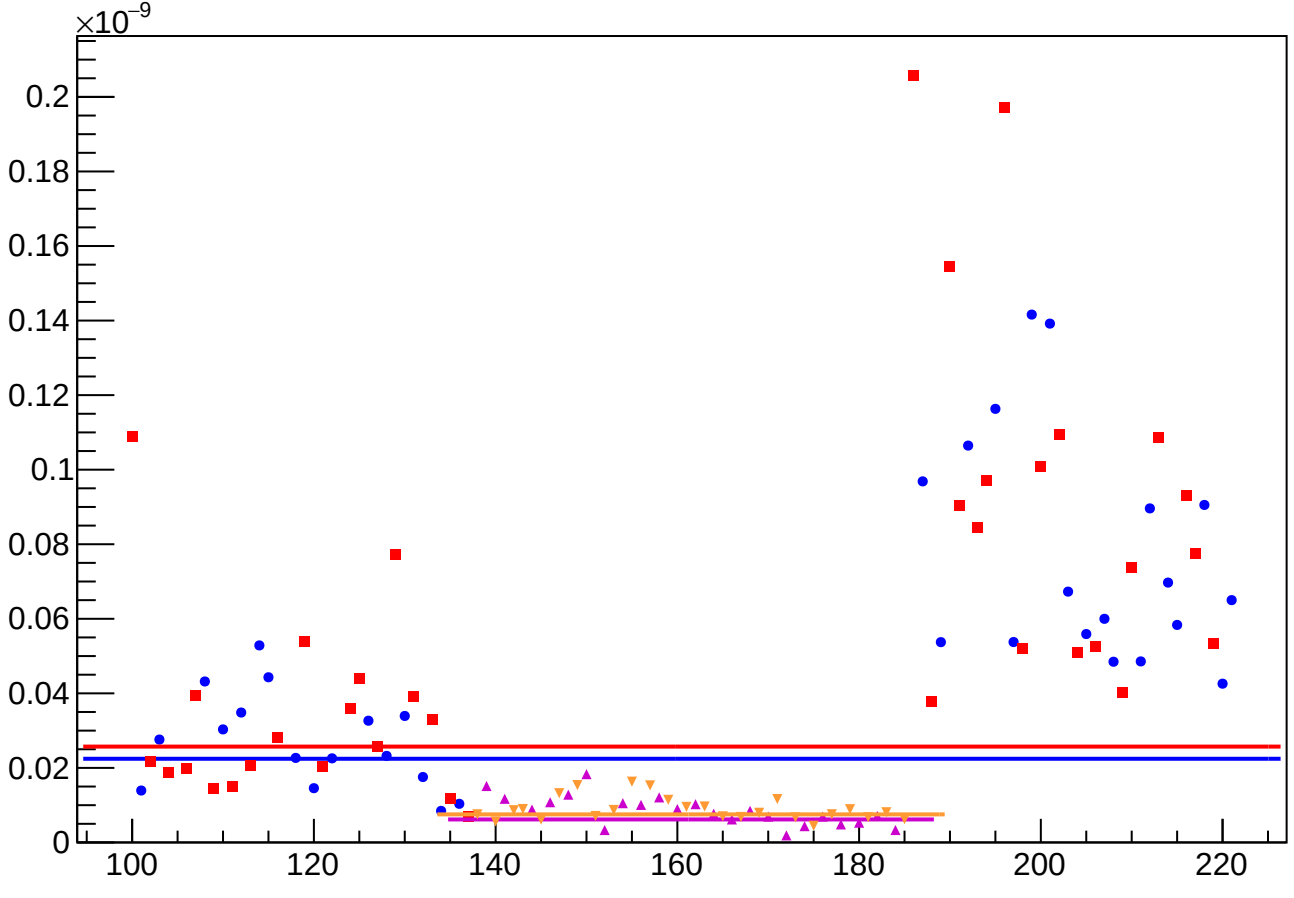
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 85.4/70

In: 0.000+/-0.000 χ^2/NDF:66.9/56

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: 0.000+/-0.000 χ^2/NDF: 124.2/118



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: 6926409.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

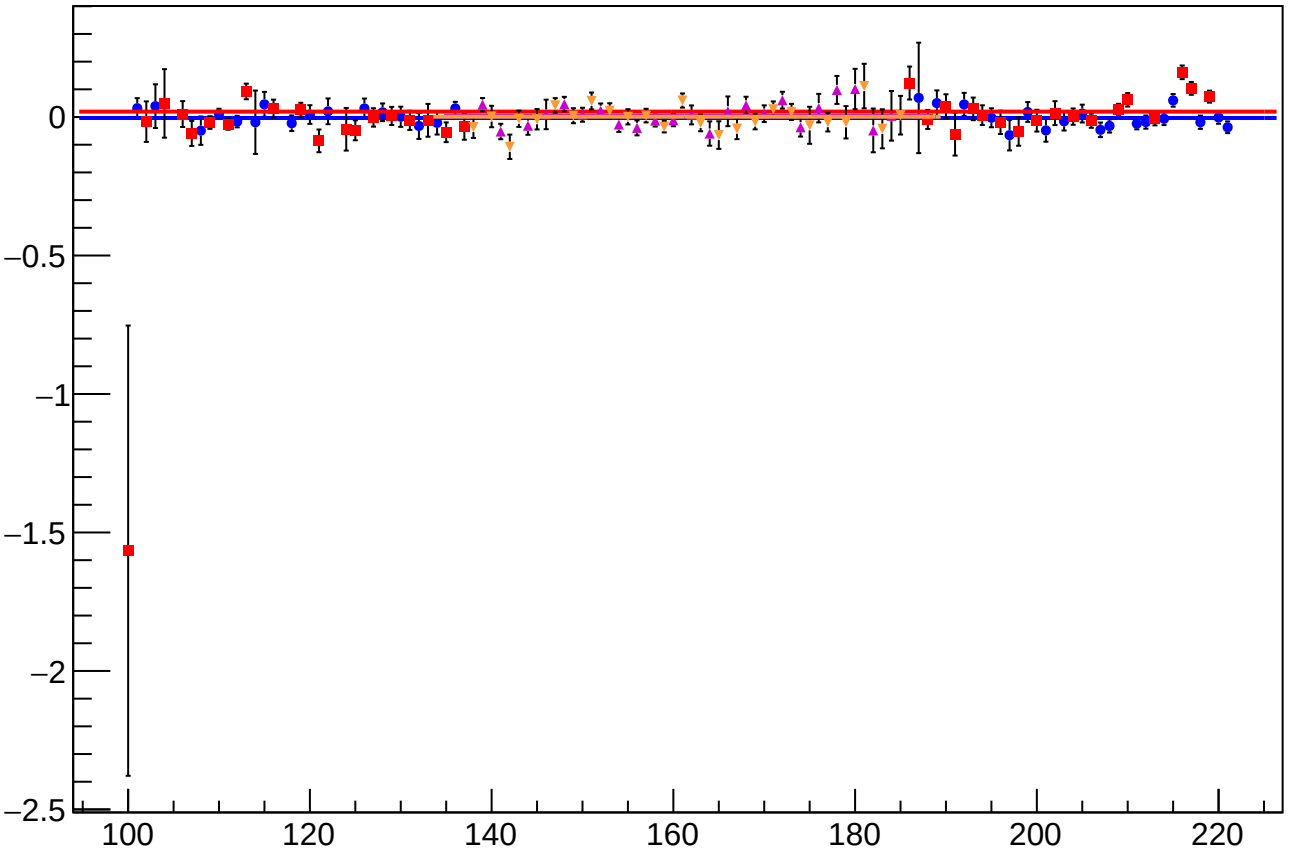
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14853753.0/70

In: 0.000+/-0.000 χ^2/NDF:15361491.5/56

Out: 0.000+/-0.000 χ^2/NDF:12591074.7/61

All: 0.000+/-0.000 χ^2/NDF: 28143679.0/118



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: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

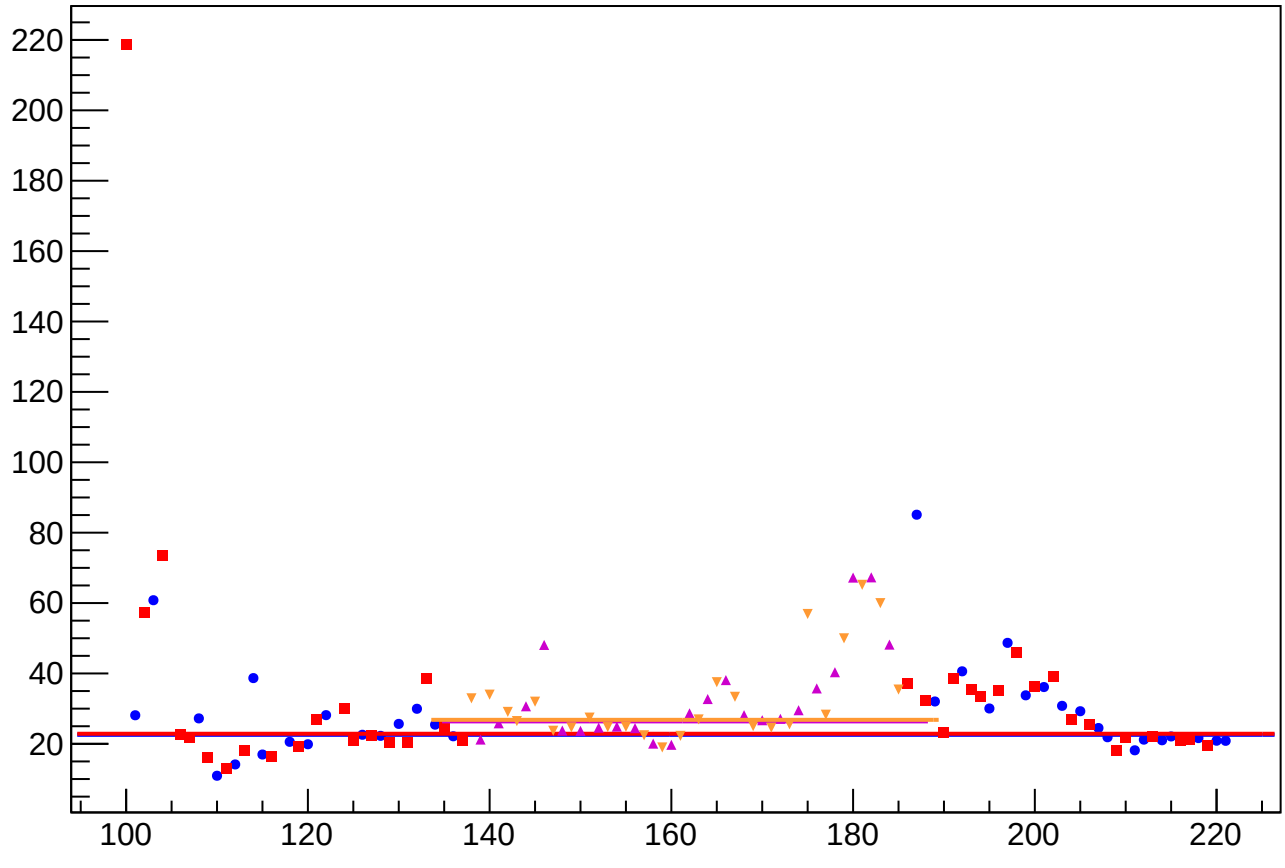
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.008+/-0.004 χ^2/NDF: 149.5/70

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.006+/-0.003 χ^2/NDF: 211.7/118



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: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

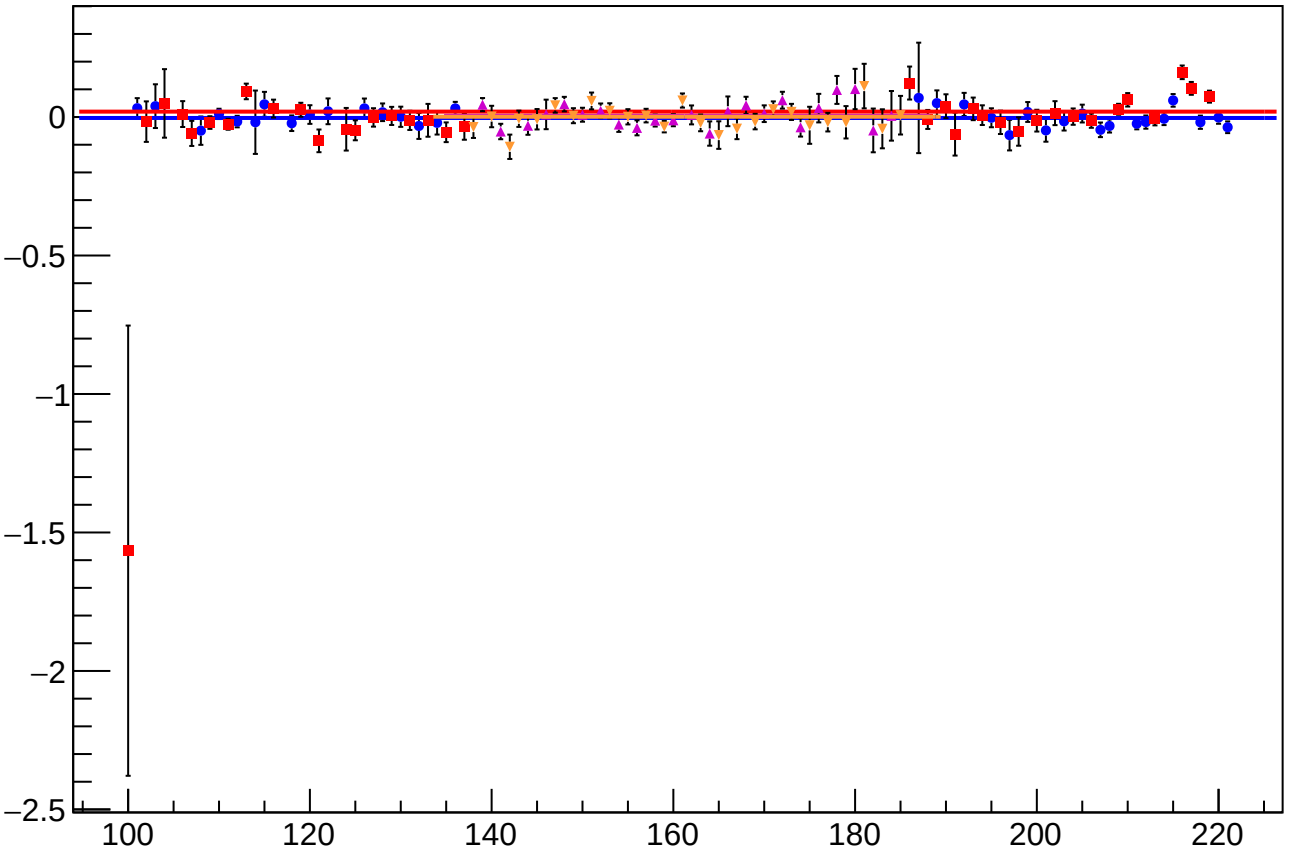
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.706+/-0.003 χ^2/NDF: 7848362.3/70

In: 24.007+/-0.003 χ^2/NDF:6788693.4/56

Out: 24.463+/-0.003 χ^2/NDF:6949629.5/61

All: 24.231+/-0.002 χ^2/NDF: 13750727.5/118



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: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

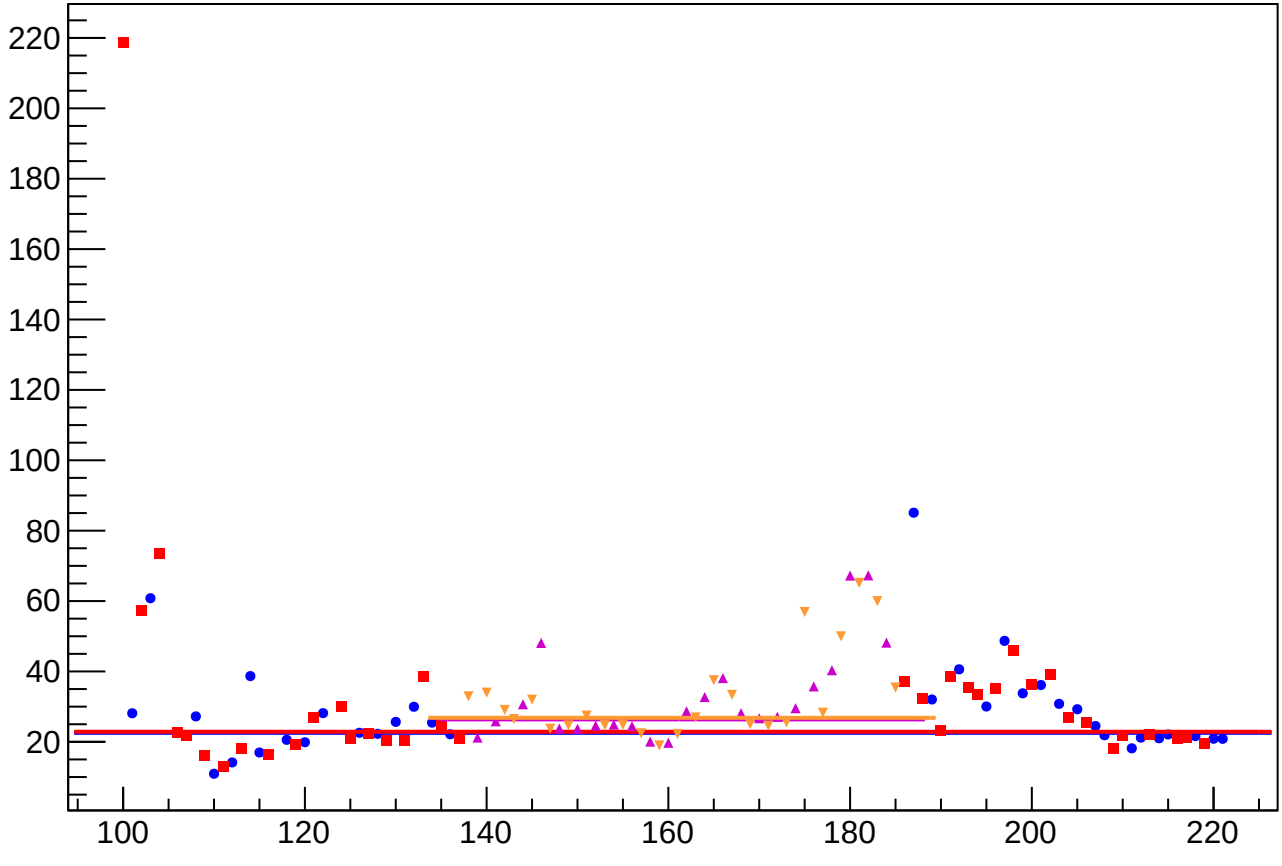
Right: 0.008+/-0.004 χ^2/NDF: 149.5/70

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.006+/-0.003 χ^2/NDF: 211.7/118

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: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

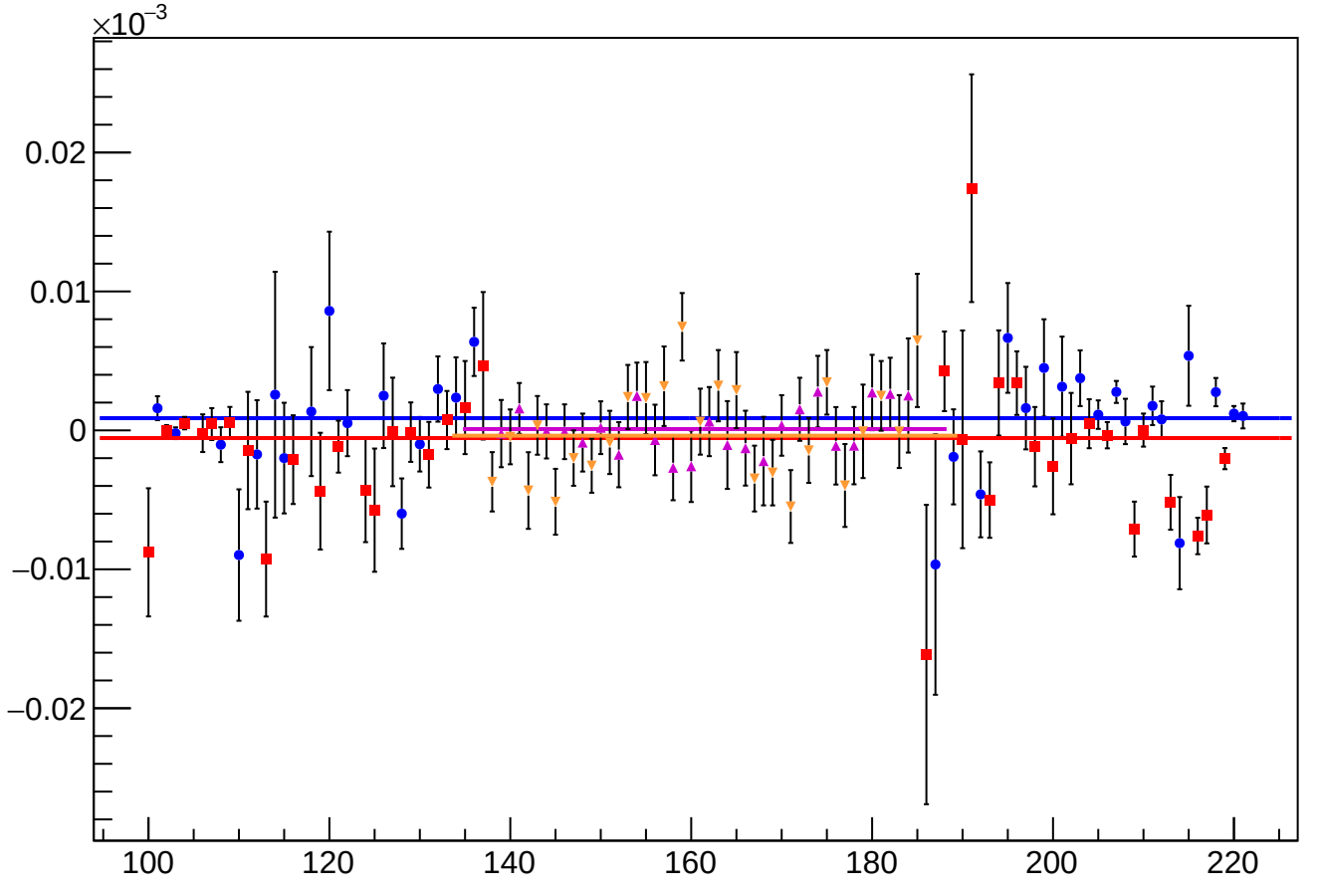
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.706+/-0.003 χ^2/NDF: 7848362.3/70

In: 24.007+/-0.003 χ^2/NDF:6788693.4/56

Out: 24.463+/-0.003 χ^2/NDF:6949629.5/61

All: 24.231+/-0.002 χ^2/NDF: 13750727.5/118



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: 96.7/36

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

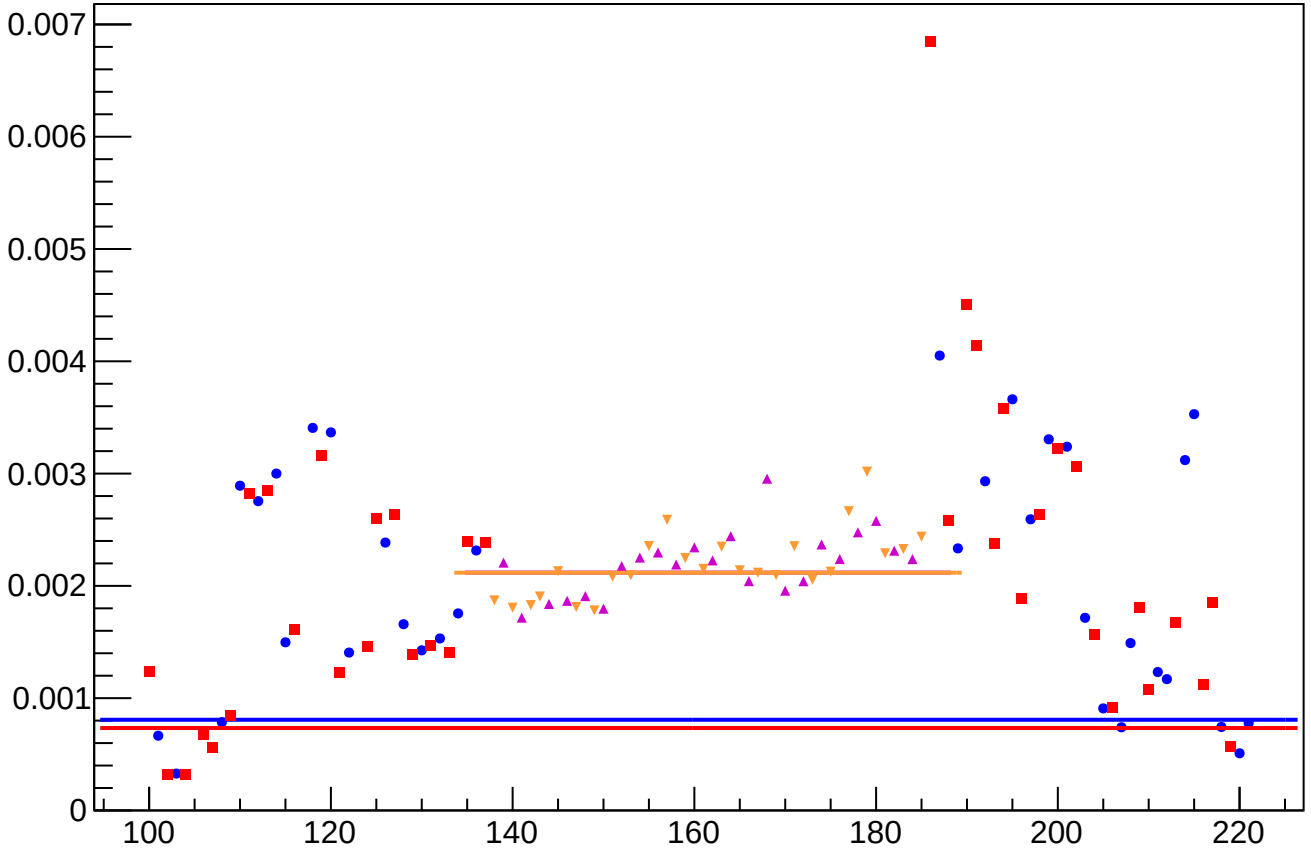
Right: 0.000+/-0.000 χ^2/NDF: 178.3/70

In: 0.000+/-0.000 χ^2/NDF:73.2/56

Out: -0.000+/-0.000 χ^2/NDF:139.9/61

All: 0.000+/-0.000 χ^2/NDF: 232.6/118

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: 18186602.8/36

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

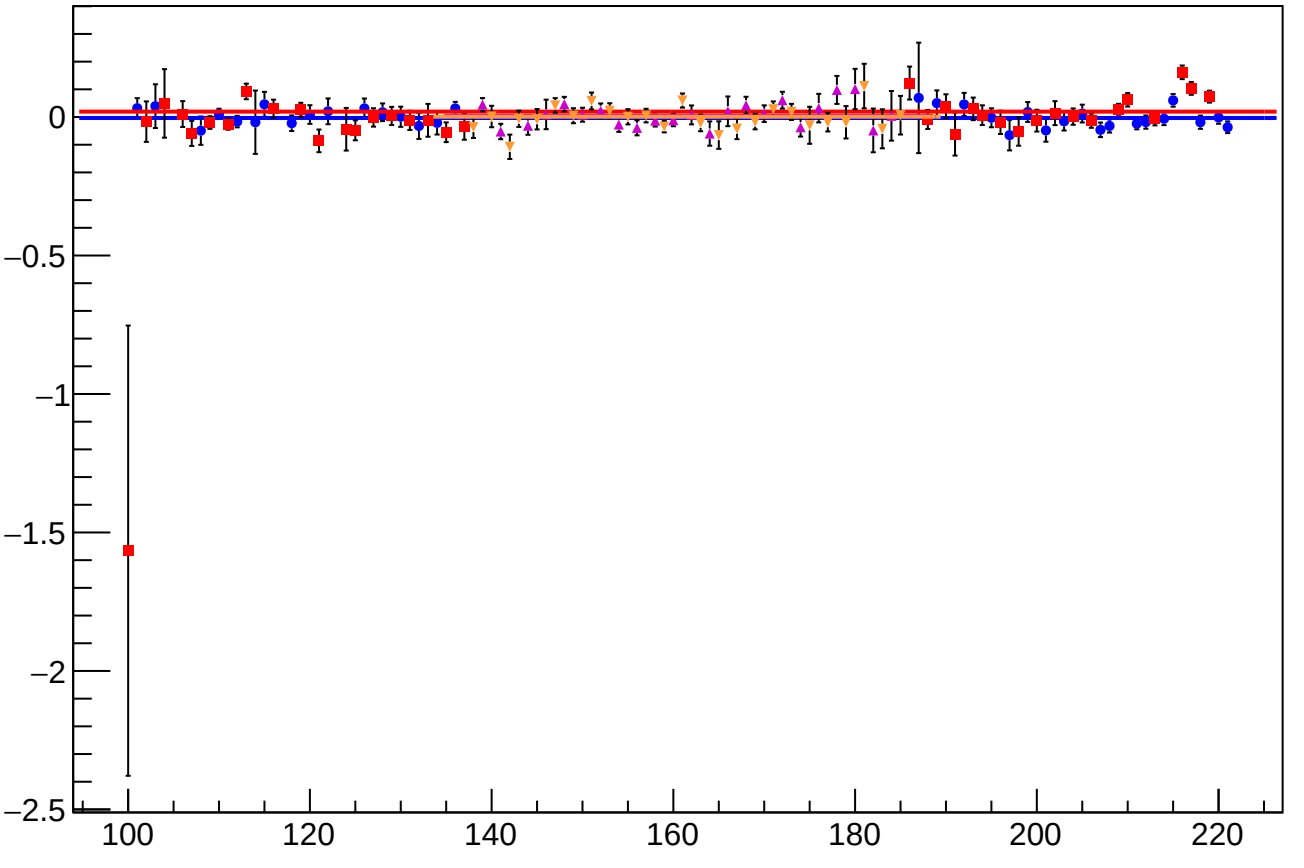
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 34219891.1/70

In: 0.001+/-0.000 χ^2/NDF:27907970.5/56

Out: 0.001+/-0.000 χ^2/NDF:32208902.2/61

All: 0.001+/-0.000 χ^2/NDF: 60213215.5/118



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: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

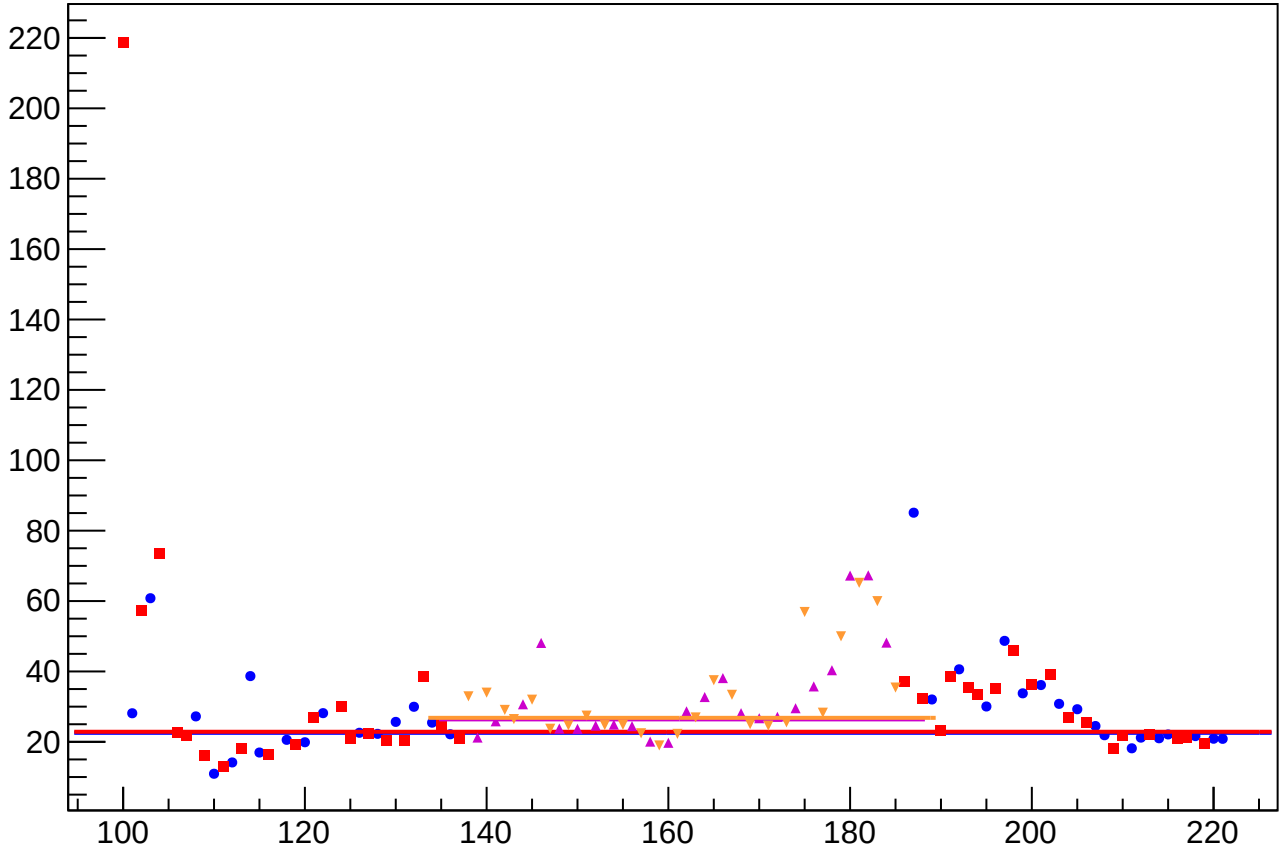
Right: 0.008+/-0.004 χ^2/NDF: 149.5/70

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.006+/-0.003 χ^2/NDF: 211.7/118

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

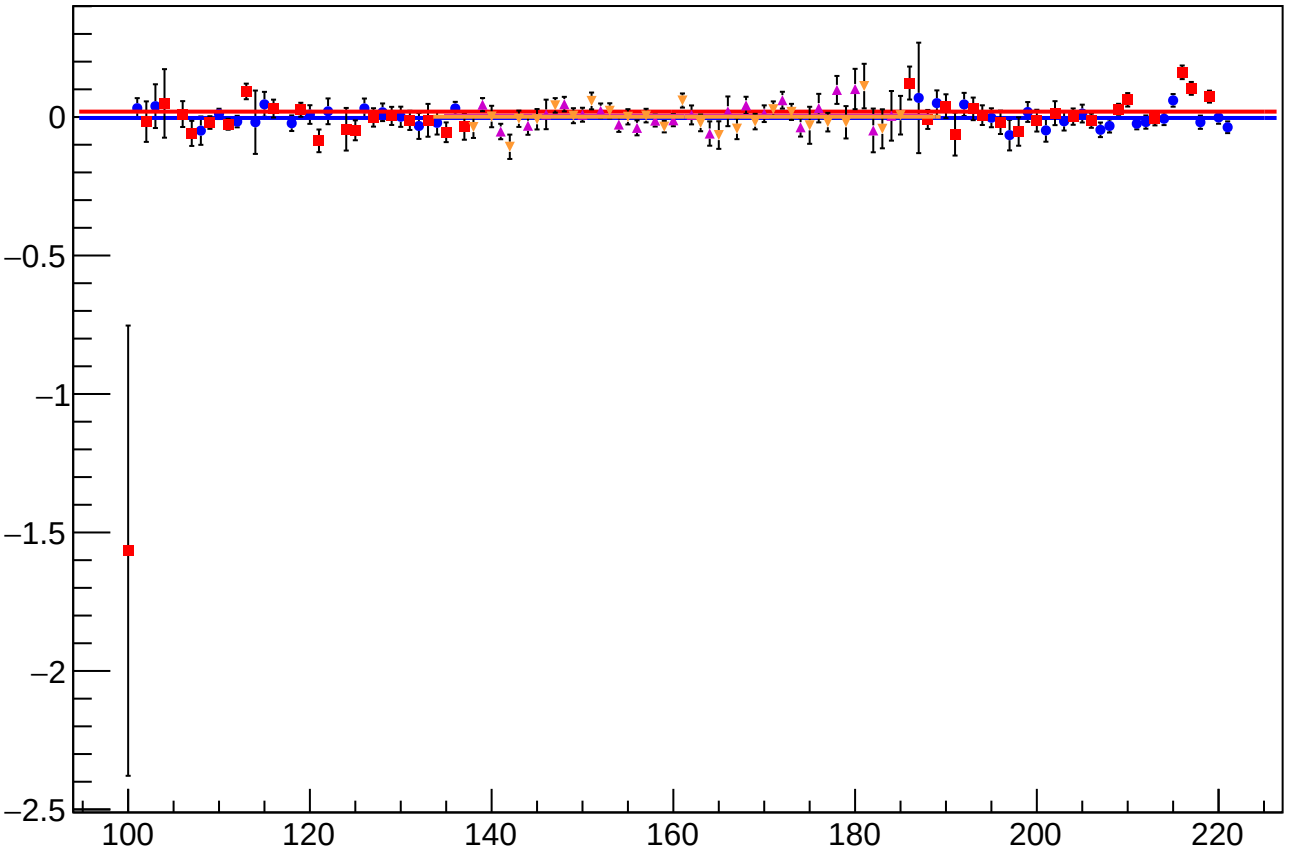
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.706+/-0.003 χ^2/NDF: 7847921.8/70

In: 24.007+/-0.003 χ^2/NDF:6788432.7/56

Out: 24.463+/-0.003 χ^2/NDF:6949501.0/61

All: 24.232+/-0.002 χ^2/NDF: 13750325.5/118



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: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

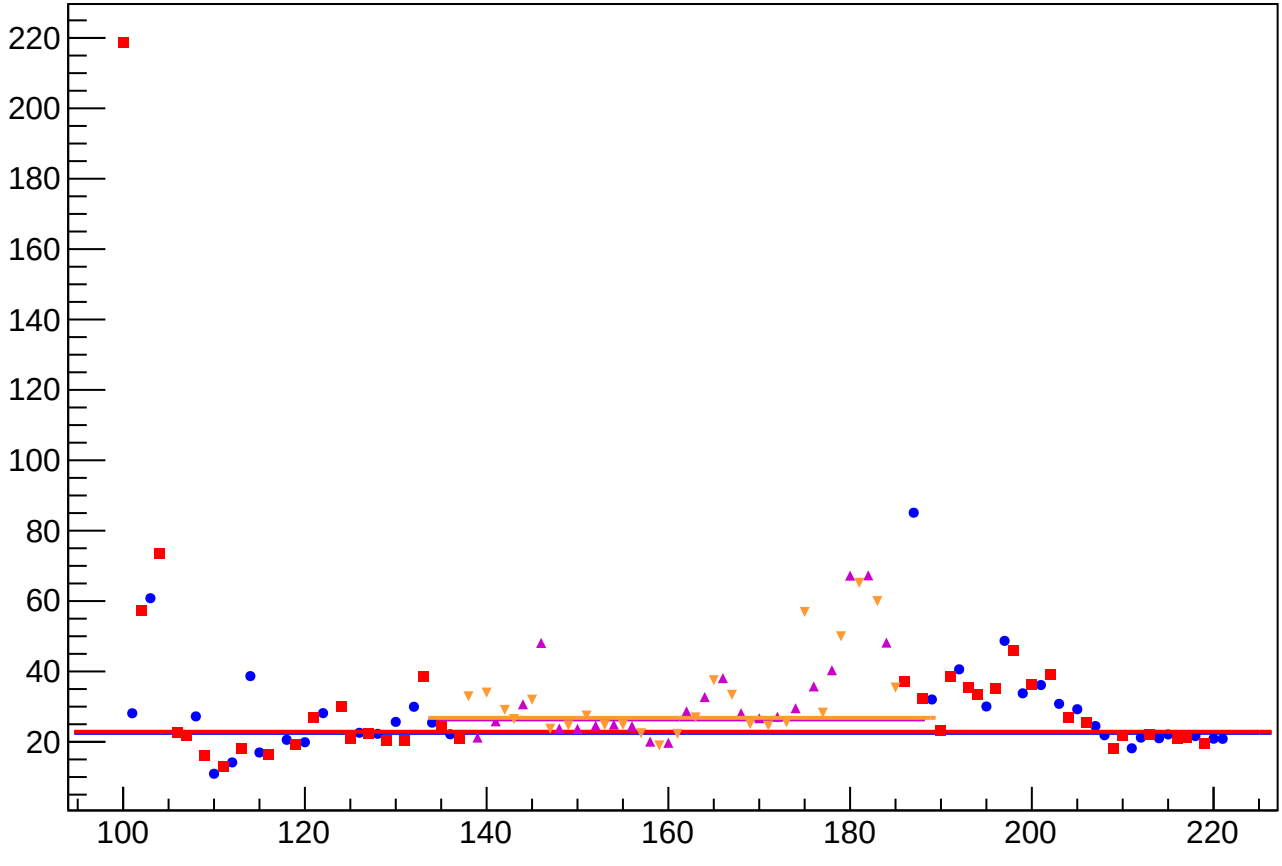
Right: 0.008+/-0.004 χ^2/NDF: 149.5/70

In: -0.001+/-0.004 χ^2/NDF:63.3/56

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.006+/-0.003 χ^2/NDF: 211.7/118

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

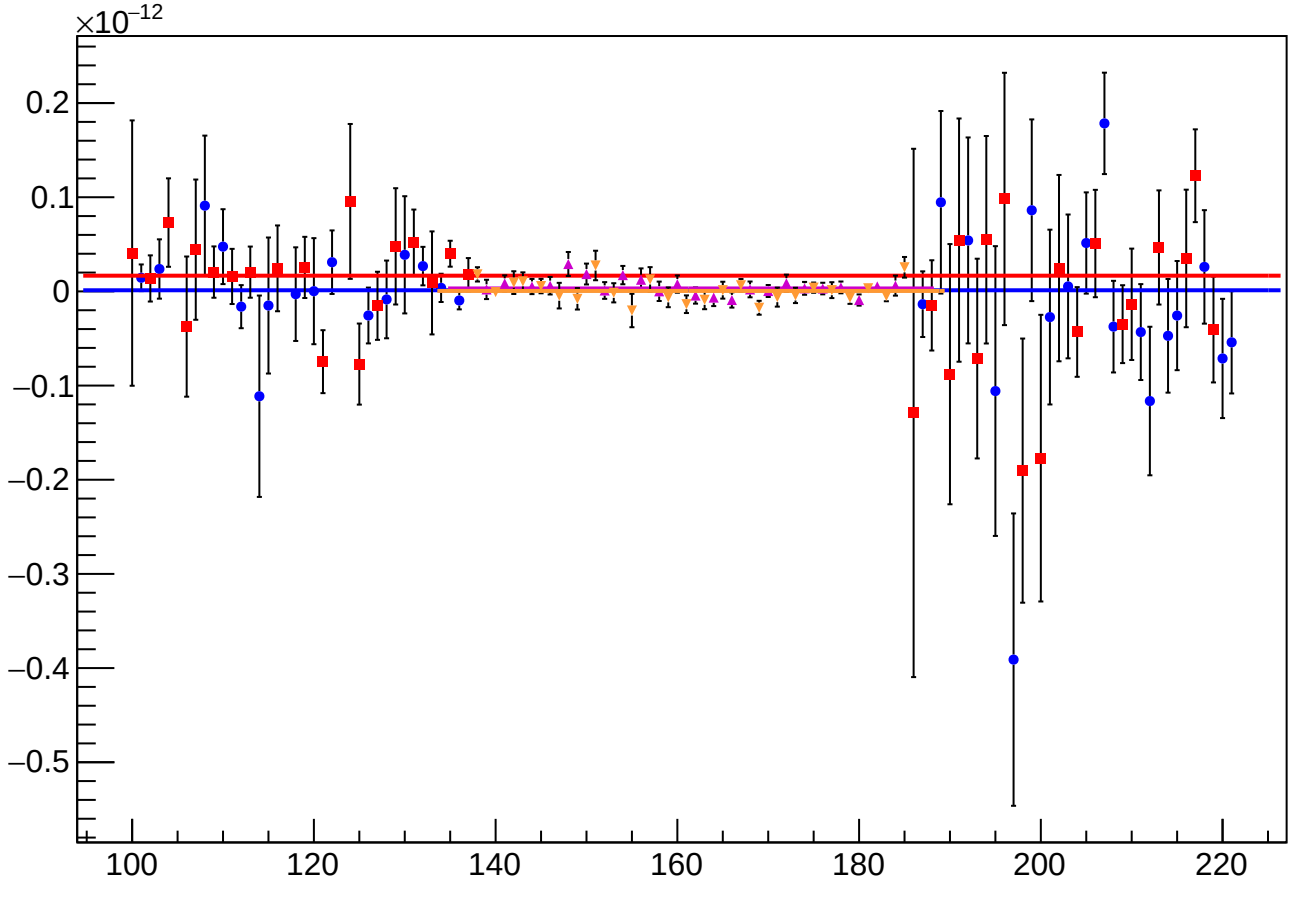
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.706+/-0.003 χ^2/NDF: 7847921.8/70

In: 24.007+/-0.003 χ^2/NDF:6788432.7/56

Out: 24.463+/-0.003 χ^2/NDF:6949501.0/61

All: 24.232+/-0.002 χ^2/NDF: 13750325.5/118



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: 36.5/36

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

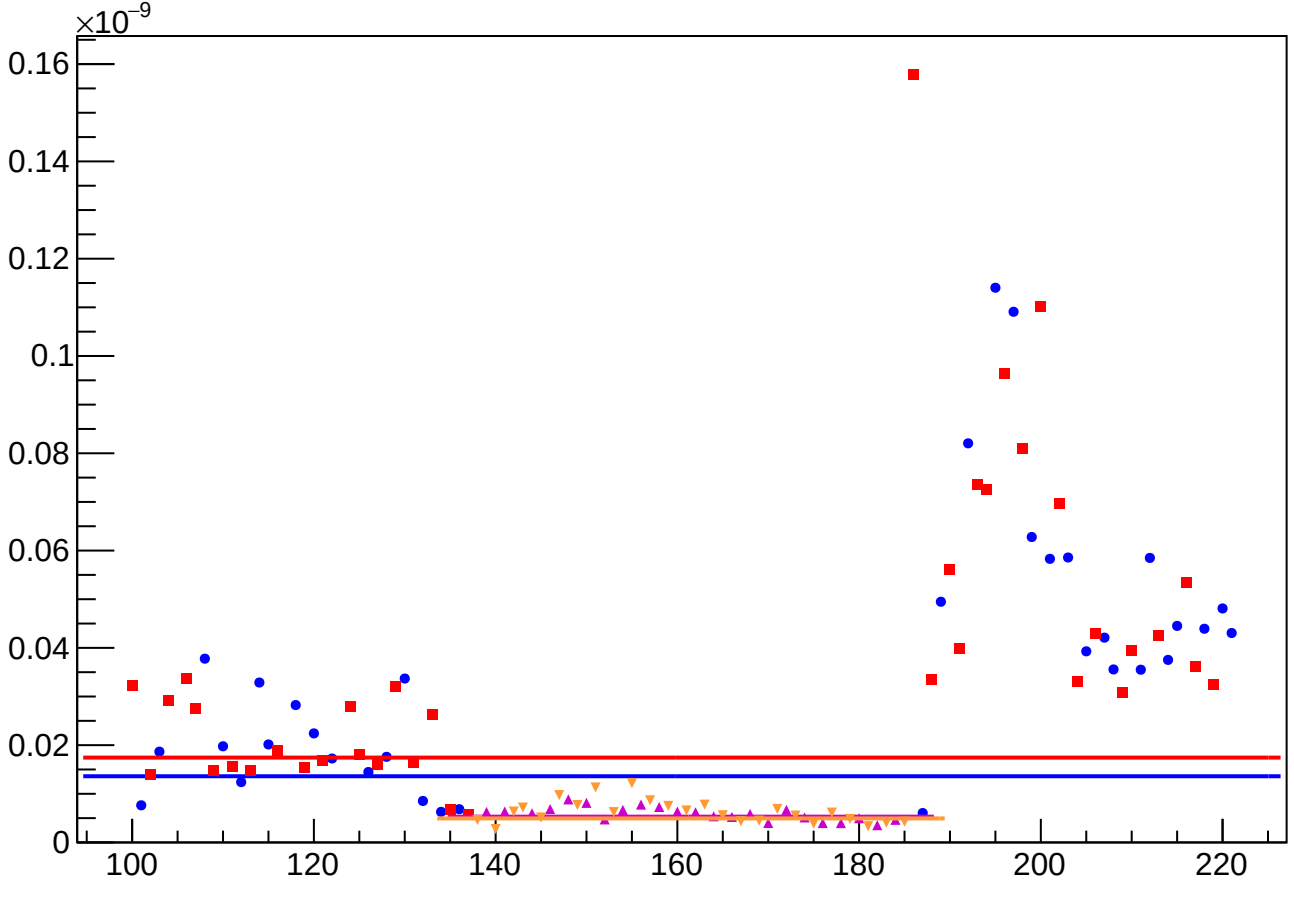
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 78.5/70

In: 0.000+/-0.000 χ^2/NDF:57.9/56

Out: 0.000+/-0.000 χ^2/NDF:75.0/61

All: 0.000+/-0.000 χ^2/NDF: 133.3/118



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: 9438686.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

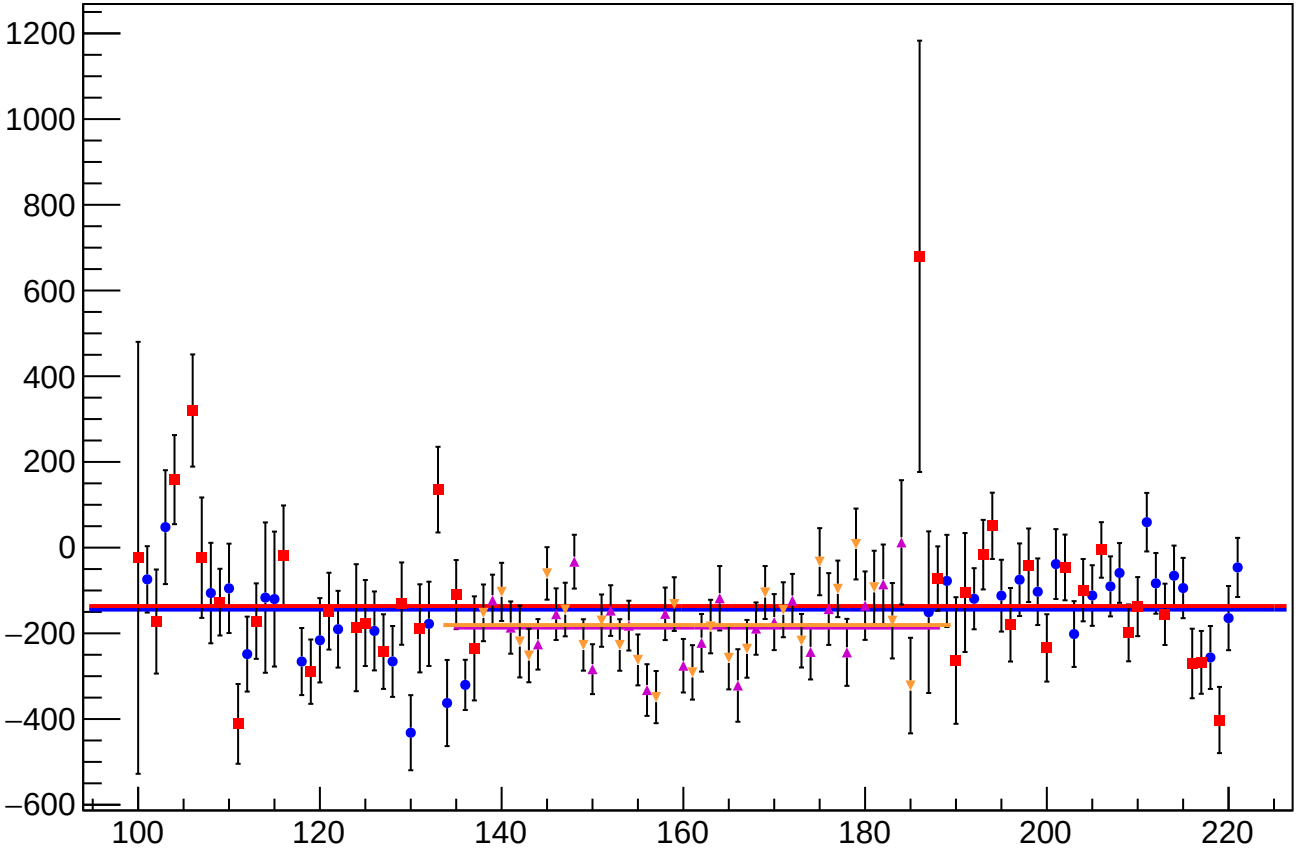
Right: 0.000+/-0.000 χ^2/NDF: 22161660.9/70

In: 0.000+/-0.000 χ^2/NDF:17979962.4/56

Out: 0.000+/-0.000 χ^2/NDF:19235295.8/61

All: 0.000+/-0.000 χ^2/NDF: 37285165.4/118

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: -136.354+/-14.702 χ^2/NDF: 84.9/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

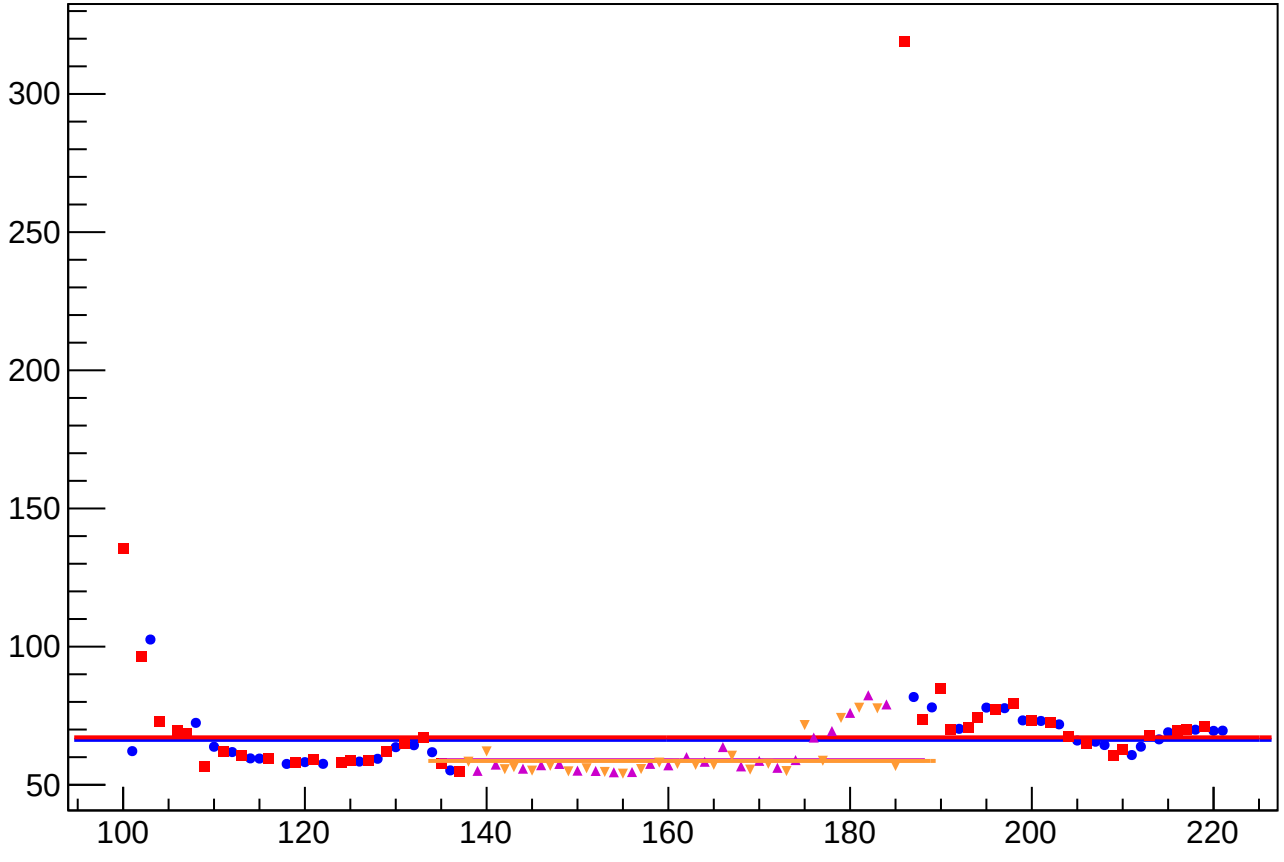
Right: -140.612+/-10.219 χ^2/NDF: 142.1/70

In: -166.108+/-9.923 χ^2/NDF:90.4/56

Out: -160.539+/-9.911 χ^2/NDF:128.5/61

All: -163.320+/-7.012 χ^2/NDF: 219.1/118

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: 67.175+/-0.010 χ^2/NDF: 1058576.1/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

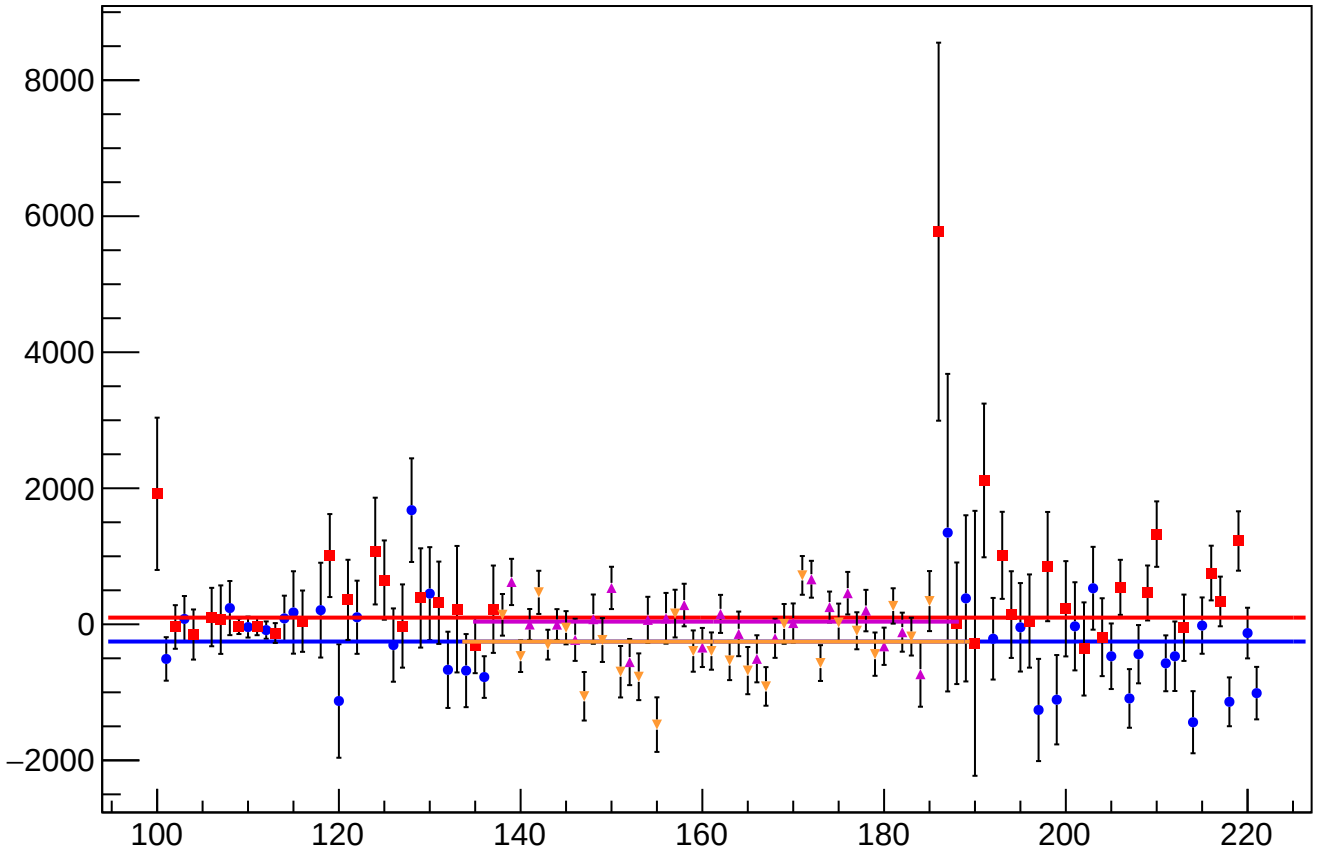
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.706+/-0.007 χ^2/NDF: 1592404.4/70

In: 62.494+/-0.007 χ^2/NDF:1191763.7/56

Out: 62.521+/-0.007 χ^2/NDF:1819789.9/61

All: 62.508+/-0.005 χ^2/NDF: 3011560.6/118



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: 98.432+/-57.488 χ^2/NDF: 43.7/36

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

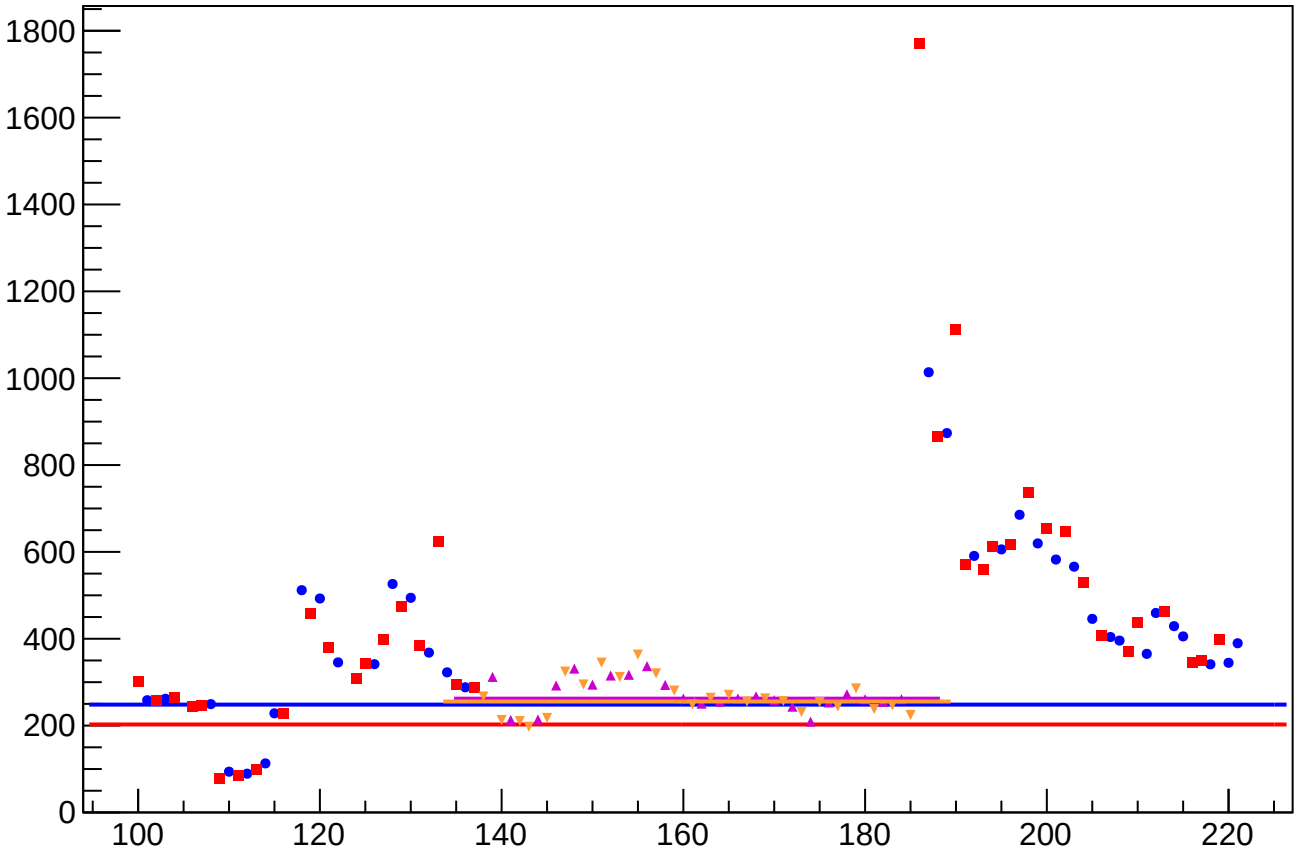
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -58.785+/-42.752 χ^2/NDF: 110.5/70

In: -102.289+/-44.470 χ^2/NDF:89.2/56

Out: -73.886+/-41.132 χ^2/NDF:119.7/61

All: -86.982+/-30.196 χ^2/NDF: 209.2/118



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: 202.574+/-0.041 χ^2/NDF: 17750476.9/36

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

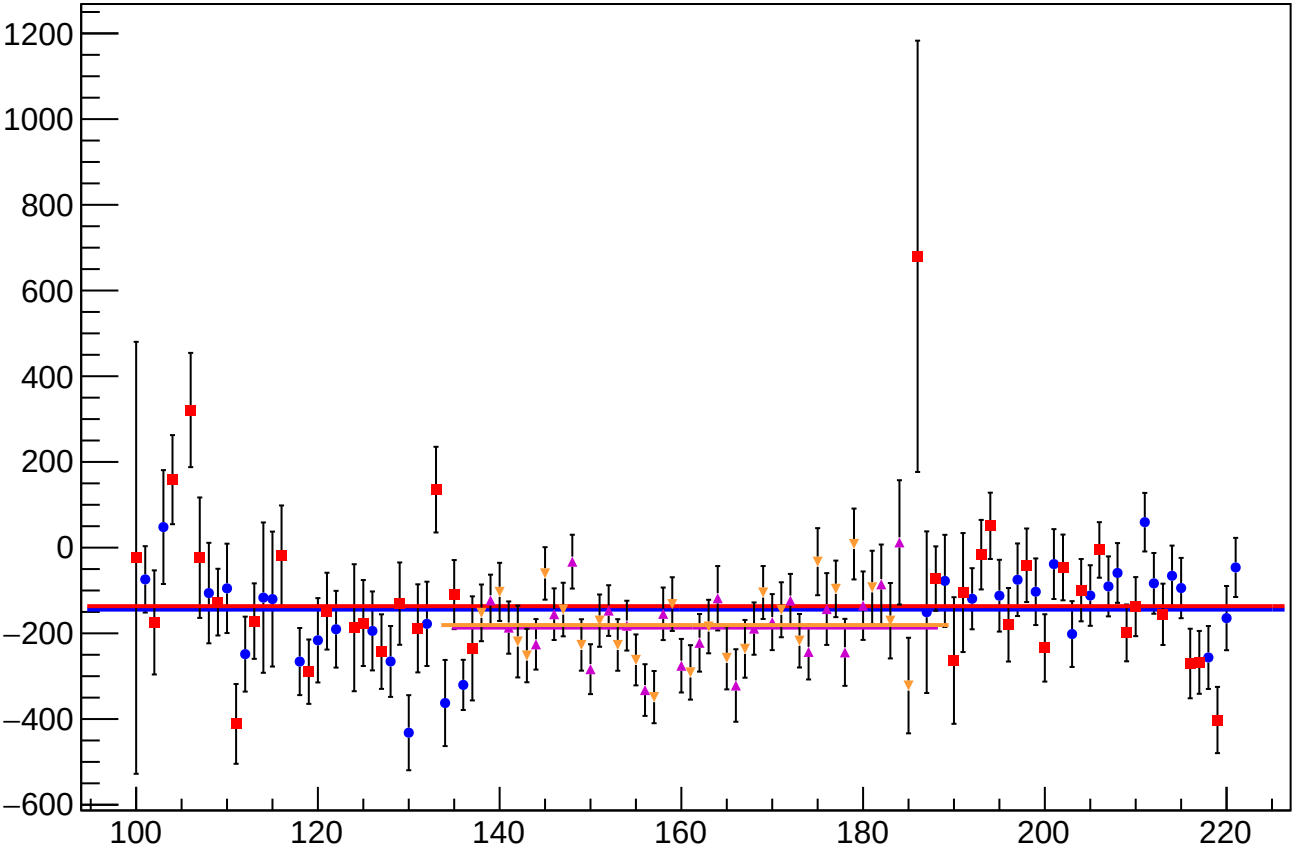
Right: 223.037+/-0.030 χ^2/NDF: 31923587.0/70

In: 255.407+/-0.031 χ^2/NDF:14323779.7/56

Out: 228.391+/-0.029 χ^2/NDF:19440743.5/61

All: 240.847+/-0.021 χ^2/NDF: 34162320.8/11

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: -136.577+/-14.706 χ^2/NDF: 84.6/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

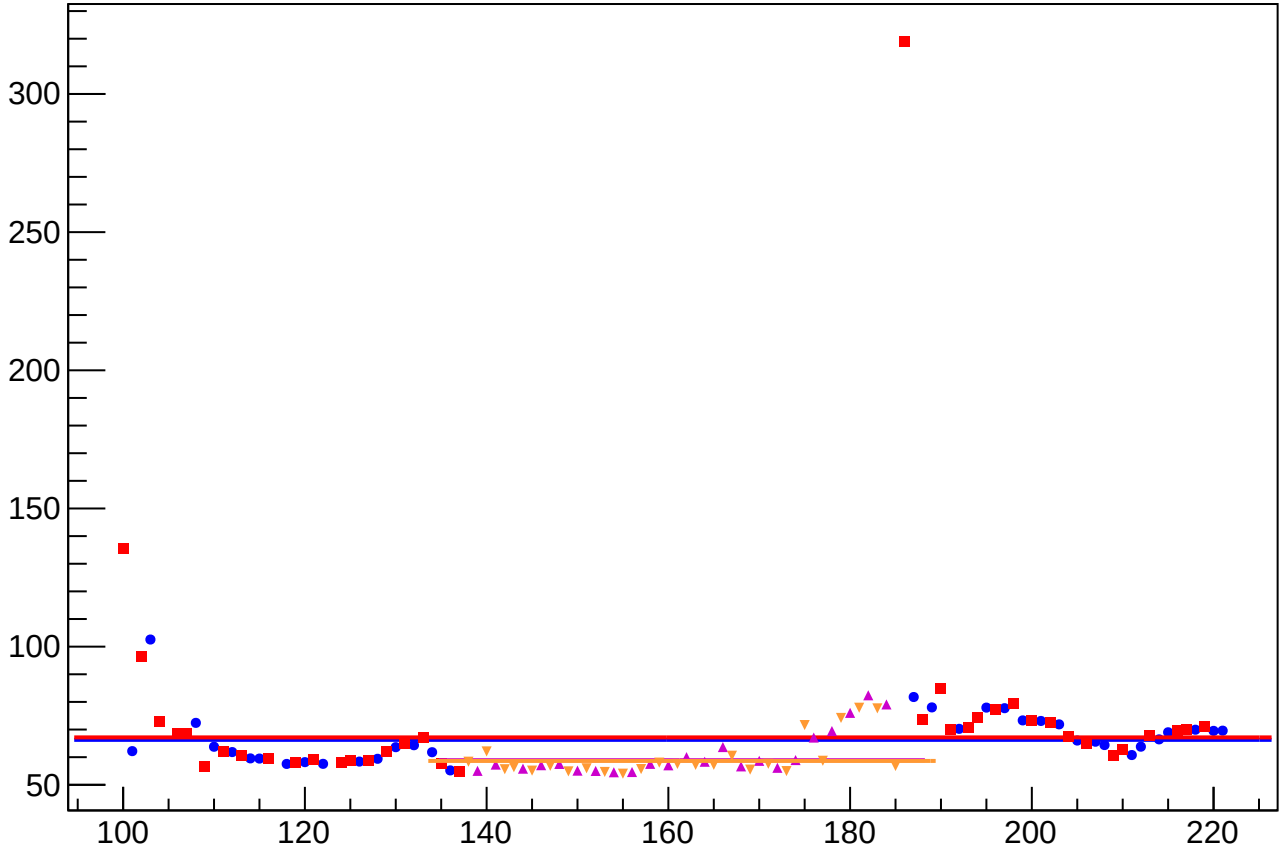
Right: -140.722+/-10.220 χ^2/NDF: 141.7/70

In: -166.109+/-9.923 χ^2/NDF:90.4/56

Out: -160.643+/-9.912 χ^2/NDF:128.1/61

All: -163.373+/-7.013 χ^2/NDF: 218.7/118

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: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

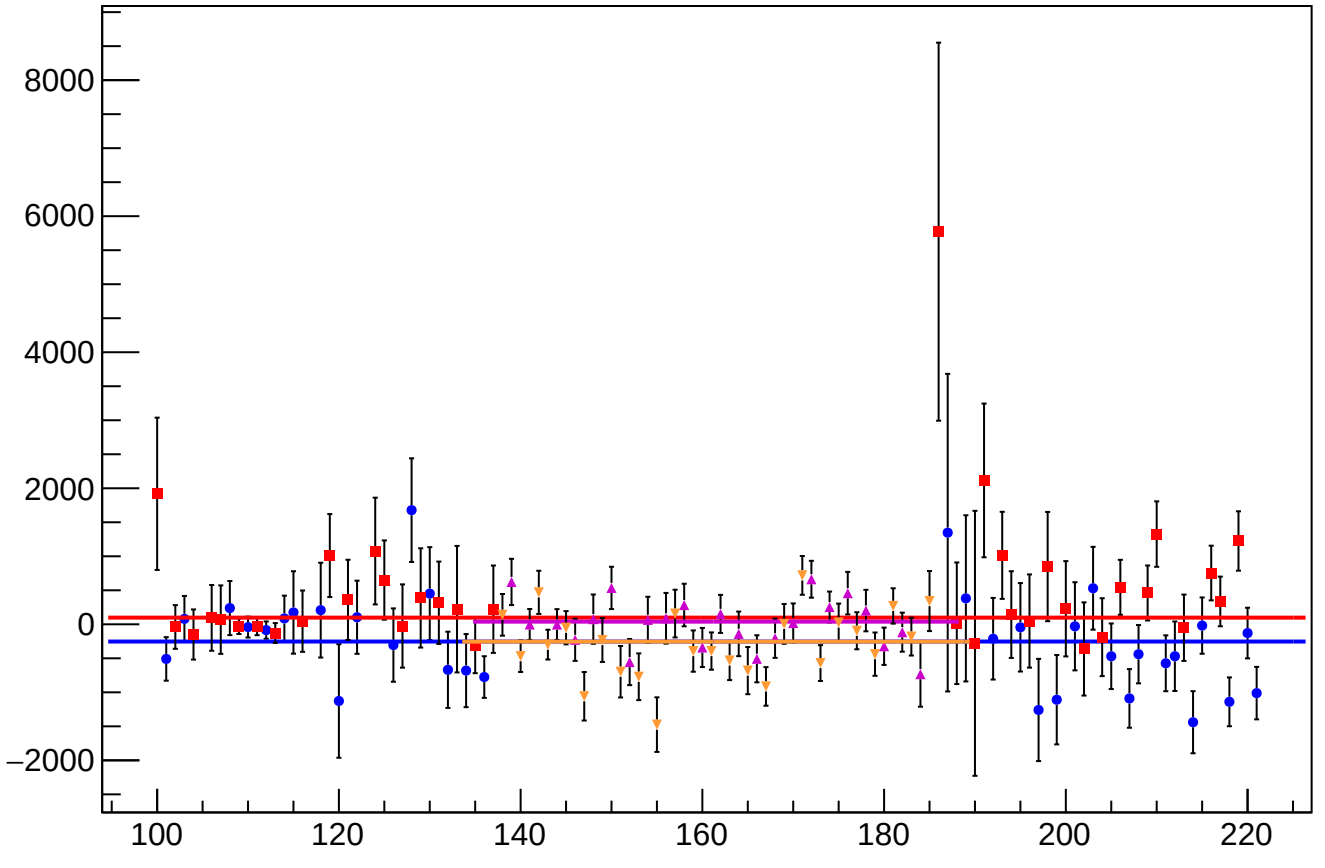
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.699+/-0.007 χ^2/NDF: 1591949.7/70

In: 62.494+/-0.007 χ^2/NDF:1191766.3/56

Out: 62.513+/-0.007 χ^2/NDF:1818070.4/61

All: 62.504+/-0.005 χ^2/NDF: 3009840.0/118



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: 98.246+/-57.599 χ^2/NDF: 43.7/36

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

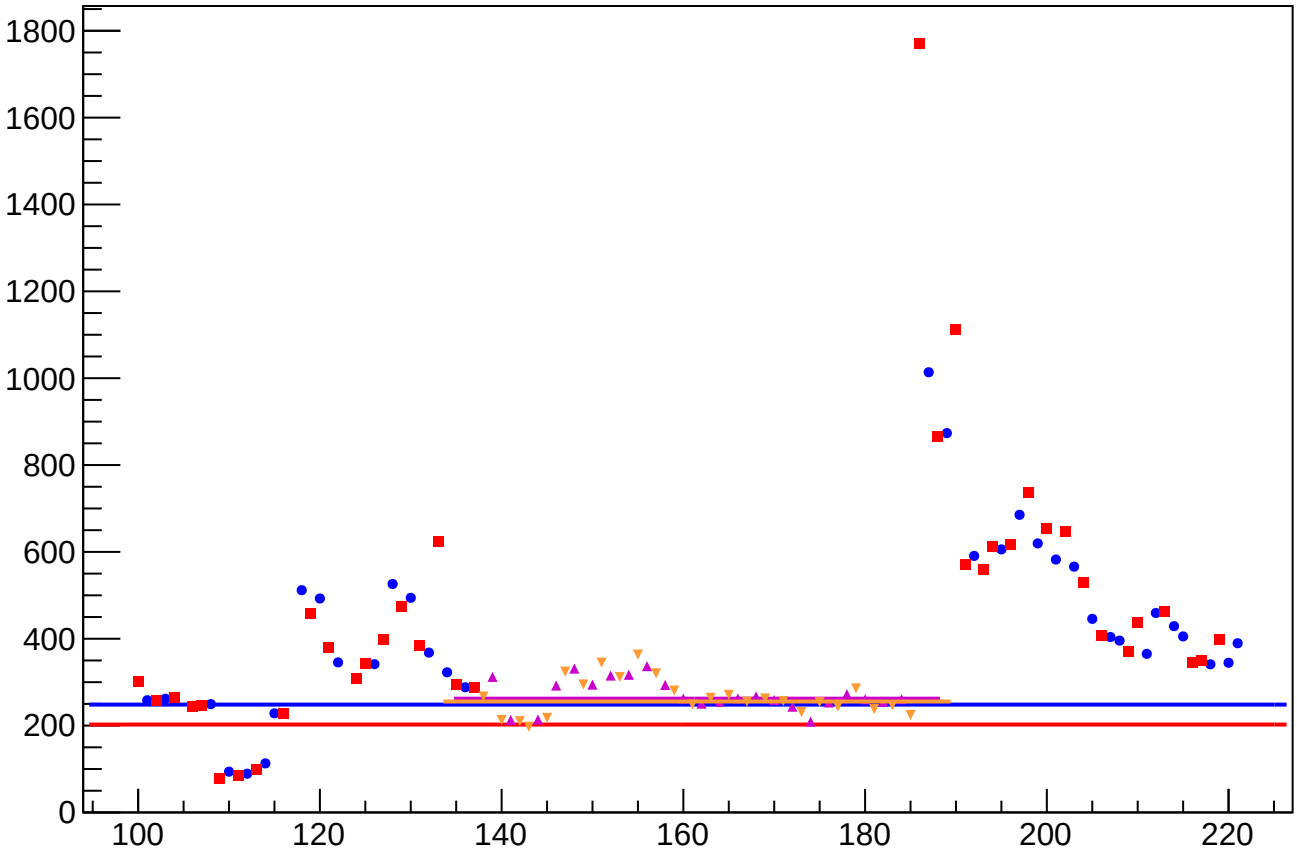
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -59.217+/-42.798 χ^2/NDF: 110.5/70

In: -102.285+/-44.470 χ^2/NDF:89.2/56

Out: -74.319+/-41.173 χ^2/NDF:119.7/61

All: -87.227+/-30.212 χ^2/NDF: 209.1/118



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: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

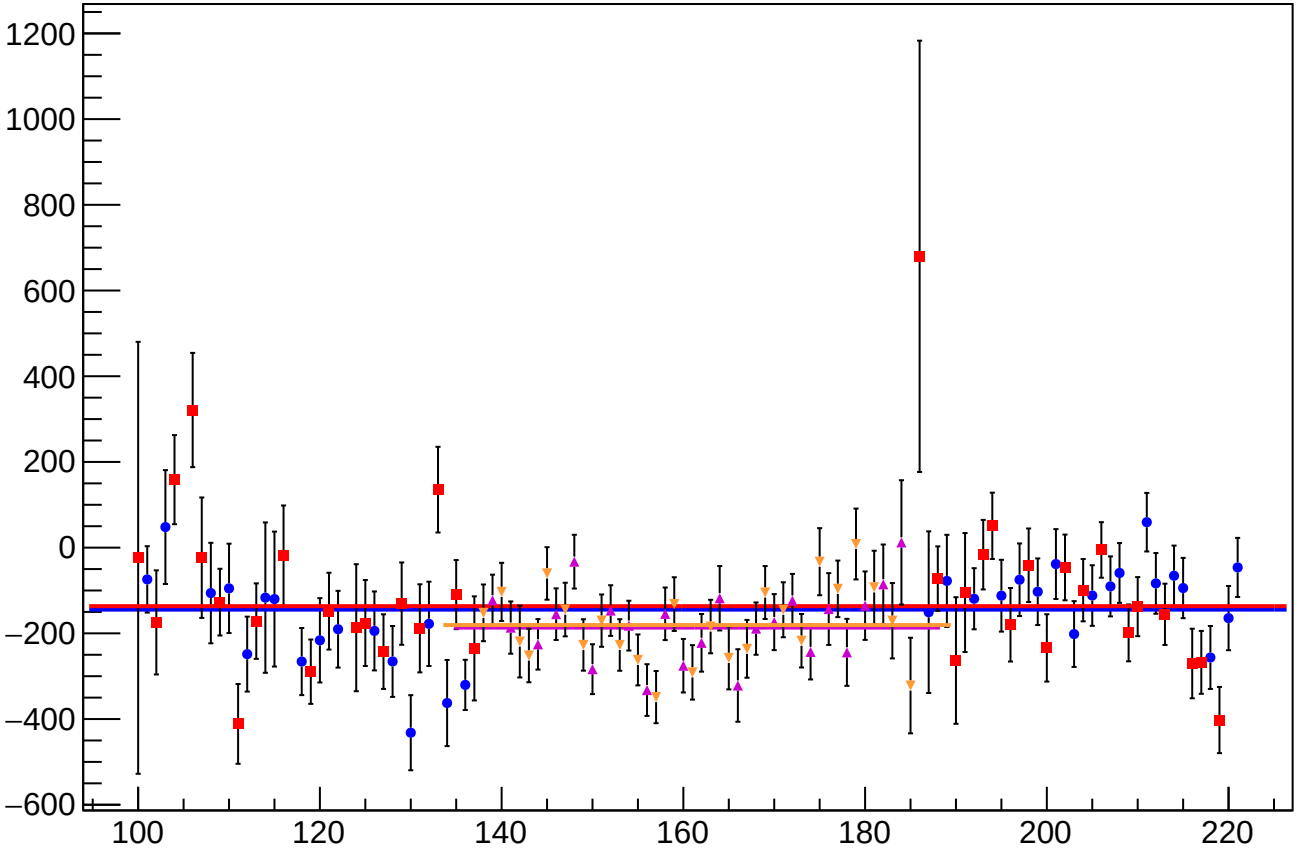
Right: 222.997+/-0.030 χ^2/NDF: 31923163.2/70

In: 255.407+/-0.031 χ^2/NDF:14323789.5/56

Out: 228.364+/-0.029 χ^2/NDF:19440691.3/61

All: 240.846+/-0.021 χ^2/NDF: 34162728.2/11

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: -136.577+/-14.706 χ^2/NDF: 84.6/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

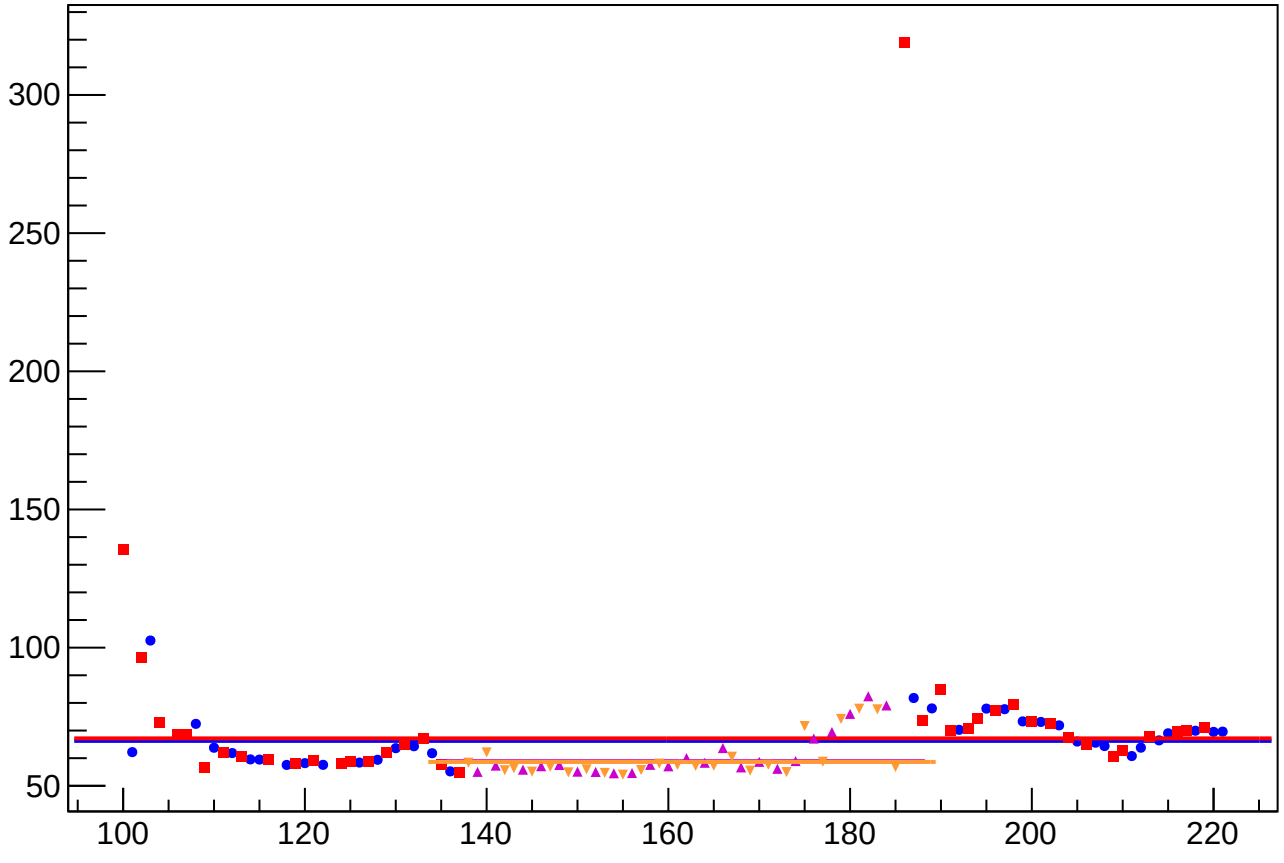
Right: -140.722+/-10.220 χ^2/NDF: 141.7/70

In: -166.109+/-9.923 χ^2/NDF:90.4/56

Out: -160.643+/-9.912 χ^2/NDF:128.1/61

All: -163.373+/-7.013 χ^2/NDF: 218.7/118

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: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

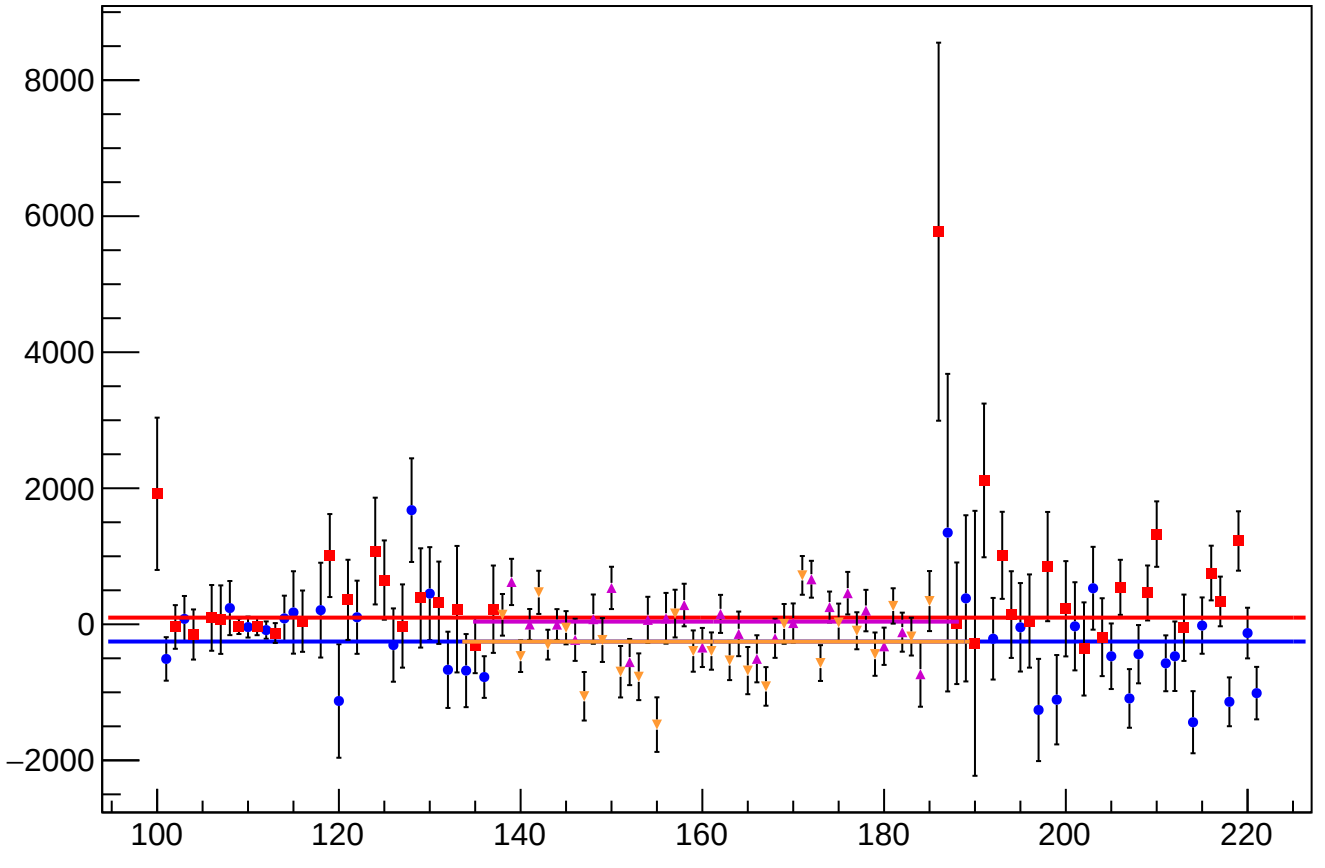
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.699+/-0.007 χ^2/NDF: 1591949.7/70

In: 62.494+/-0.007 χ^2/NDF:1191766.3/56

Out: 62.513+/-0.007 χ^2/NDF:1818070.4/61

All: 62.504+/-0.005 χ^2/NDF: 3009840.0/118



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: 98.246+/-57.599 χ^2/NDF: 43.7/36

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

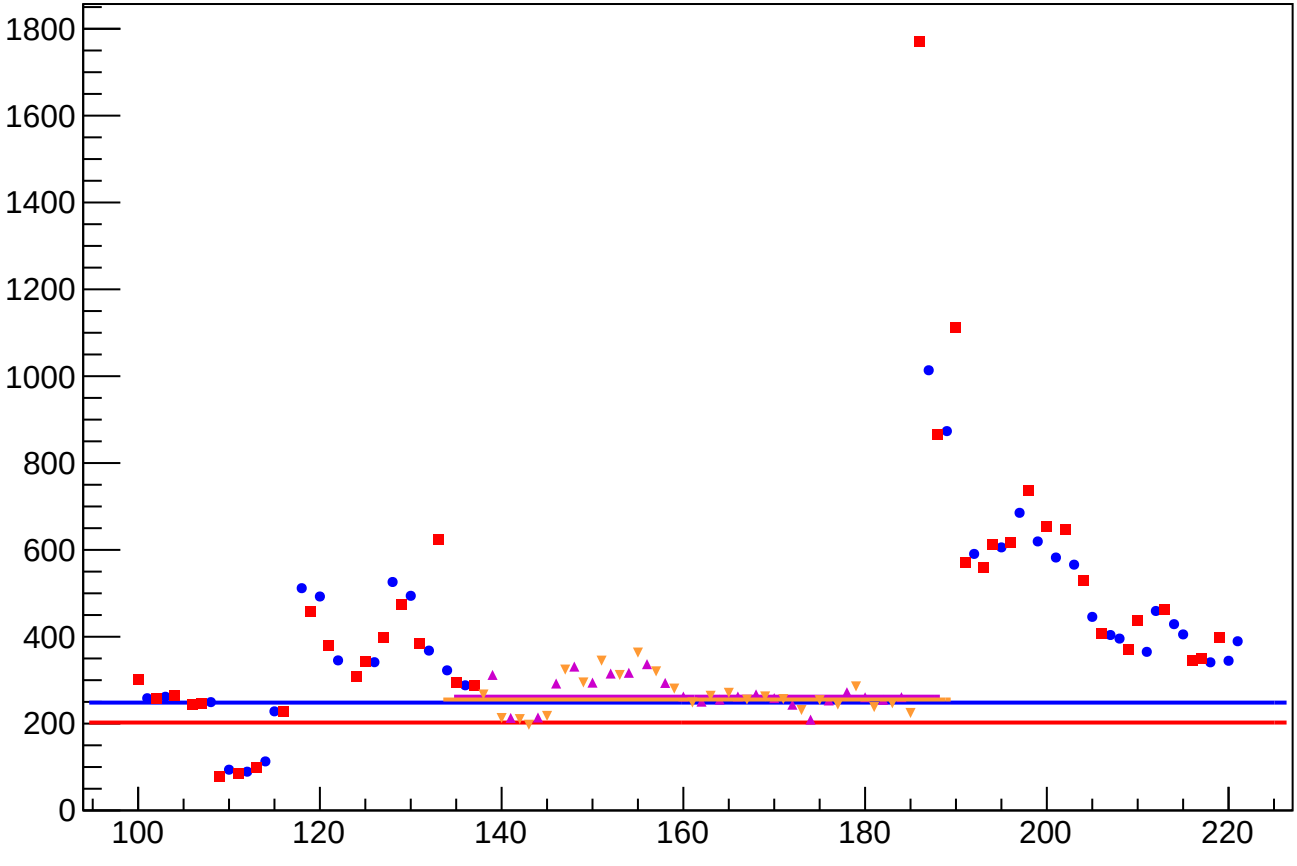
Right: -59.217+/-42.798 χ^2/NDF: 110.5/70

In: -102.285+/-44.470 χ^2/NDF:89.2/56

Out: -74.319+/-41.173 χ^2/NDF:119.7/61

All: -87.227+/-30.212 χ^2/NDF: 209.1/118

asym_sam8_eigen_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: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

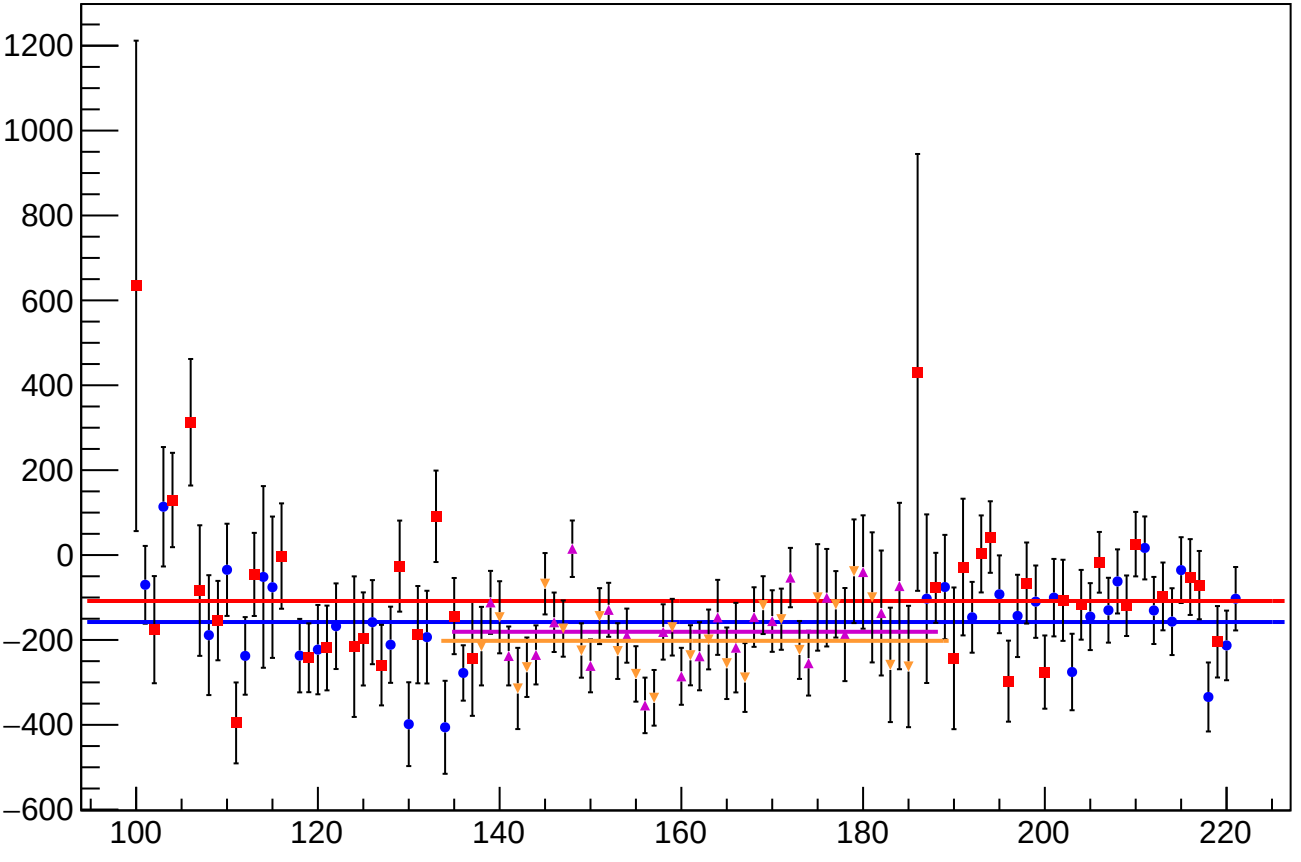
Right: 222.997+/-0.030 χ^2/NDF: 31923163.2/70

In: 255.407+/-0.031 χ^2/NDF:14323789.5/56

Out: 228.364+/-0.029 χ^2/NDF:19440691.3/61

All: 240.846+/-0.021 χ^2/NDF: 34162728.2/11

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: -108.222+/-16.261 χ^2/NDF: 59.7/36

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

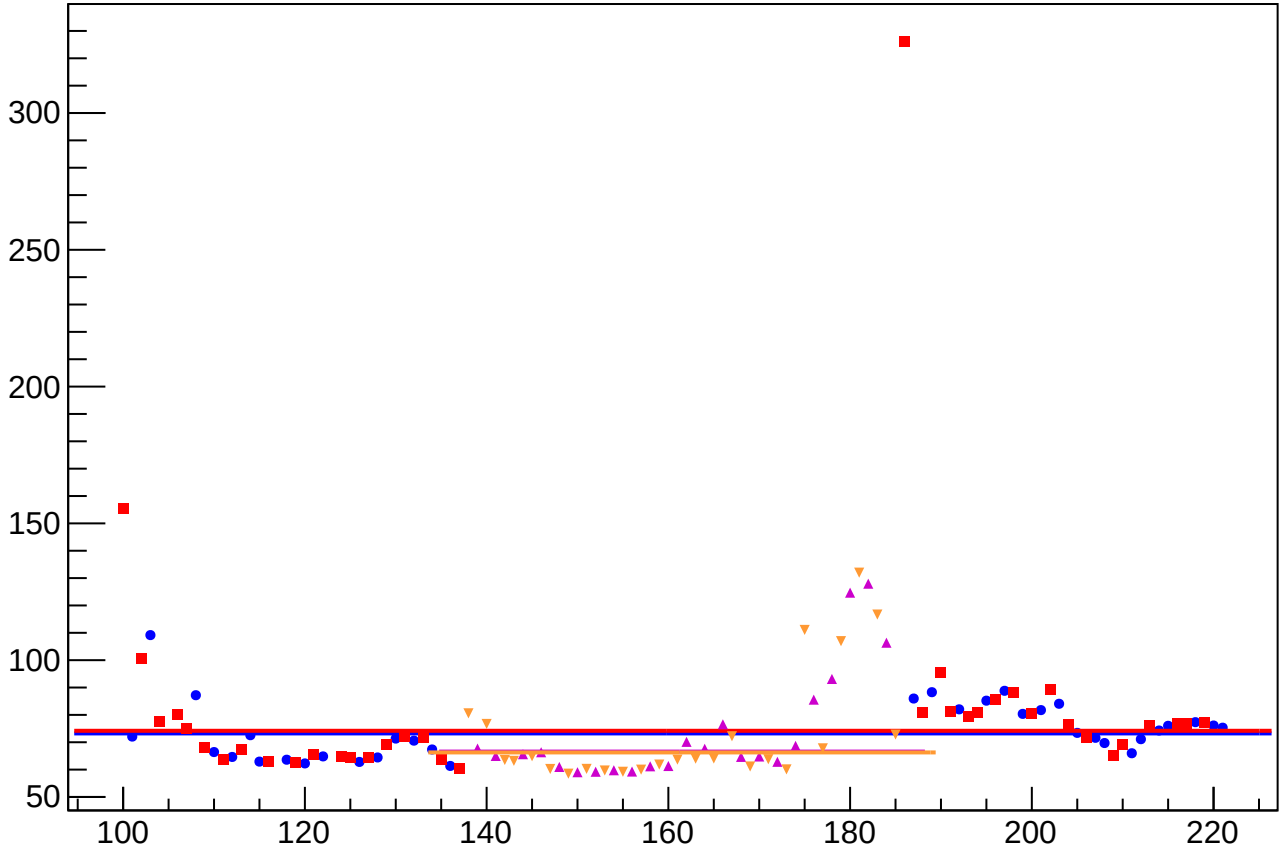
Right: -133.790+/-11.312 χ^2/NDF: 106.9/70

In: -169.077+/-11.229 χ^2/NDF:73.7/56

Out: -157.288+/-11.234 χ^2/NDF:98.6/61

All: -163.185+/-7.942 χ^2/NDF: 172.8/118

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: 74.188+/-0.011 χ^2/NDF: 1076463.1/36

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

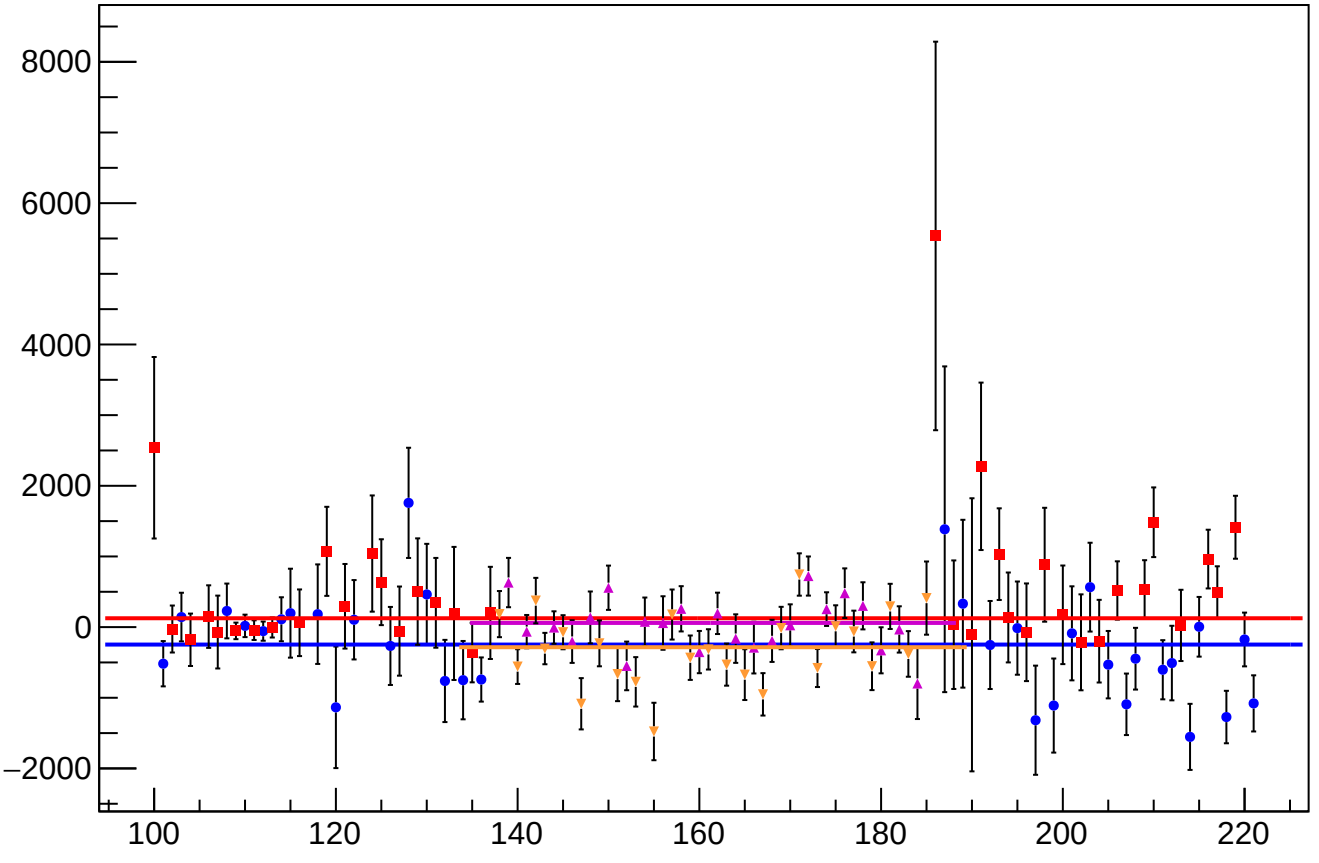
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.691+/-0.008 χ^2/NDF: 1683986.7/70

In: 69.962+/-0.008 χ^2/NDF:1936911.9/56

Out: 70.054+/-0.008 χ^2/NDF:2717662.5/61

All: 70.008+/-0.006 χ^2/NDF: 4654640.7/118



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: 125.365+/-59.100 χ^2/NDF: 49.0/36

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

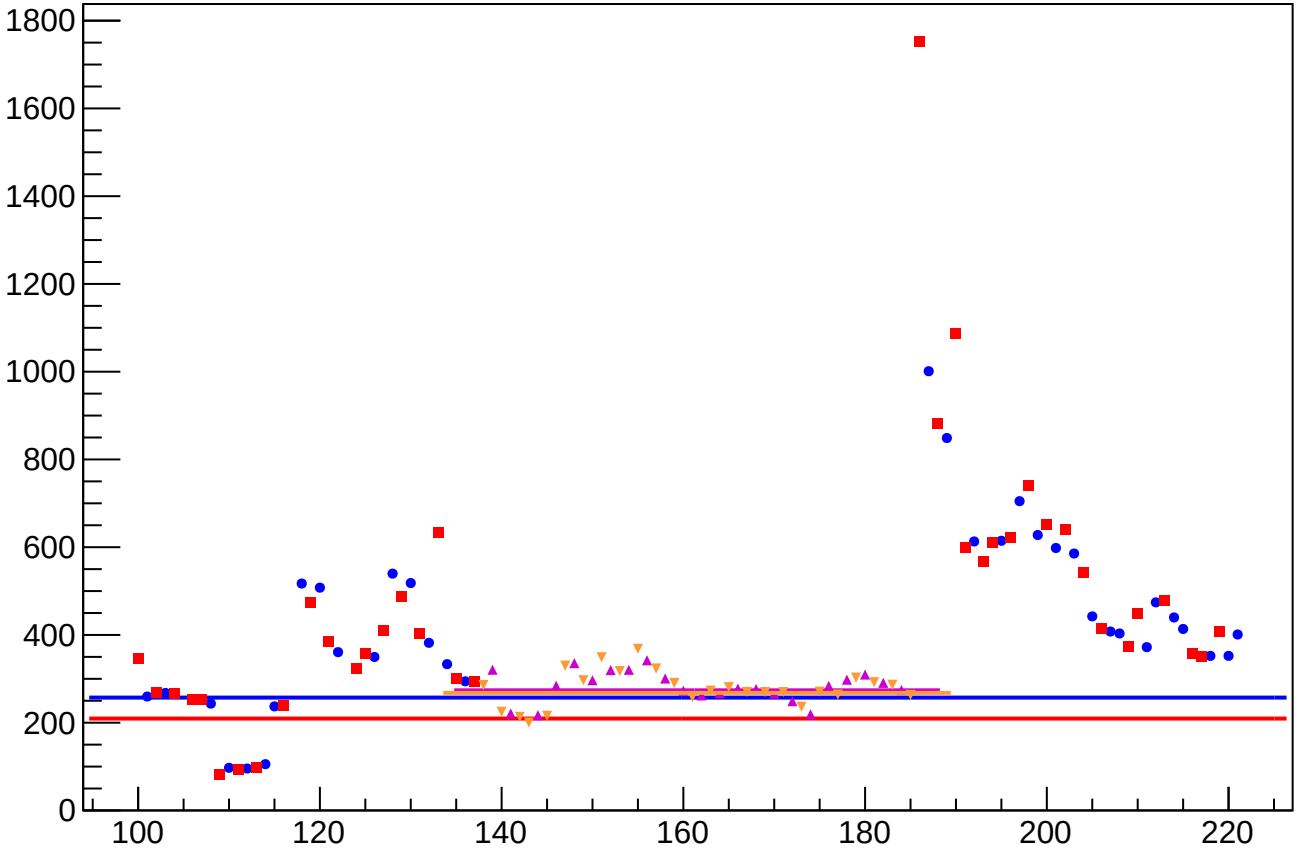
Right: -40.881+/-43.970 χ^2/NDF: 122.0/70

In: -91.169+/-46.112 χ^2/NDF:93.2/56

Out: -70.636+/-42.689 χ^2/NDF:126.6/61

All: -80.112+/-31.326 χ^2/NDF: 219.9/118

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: 209.422+/-0.042 χ^2/NDF: 17478008.5/36

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

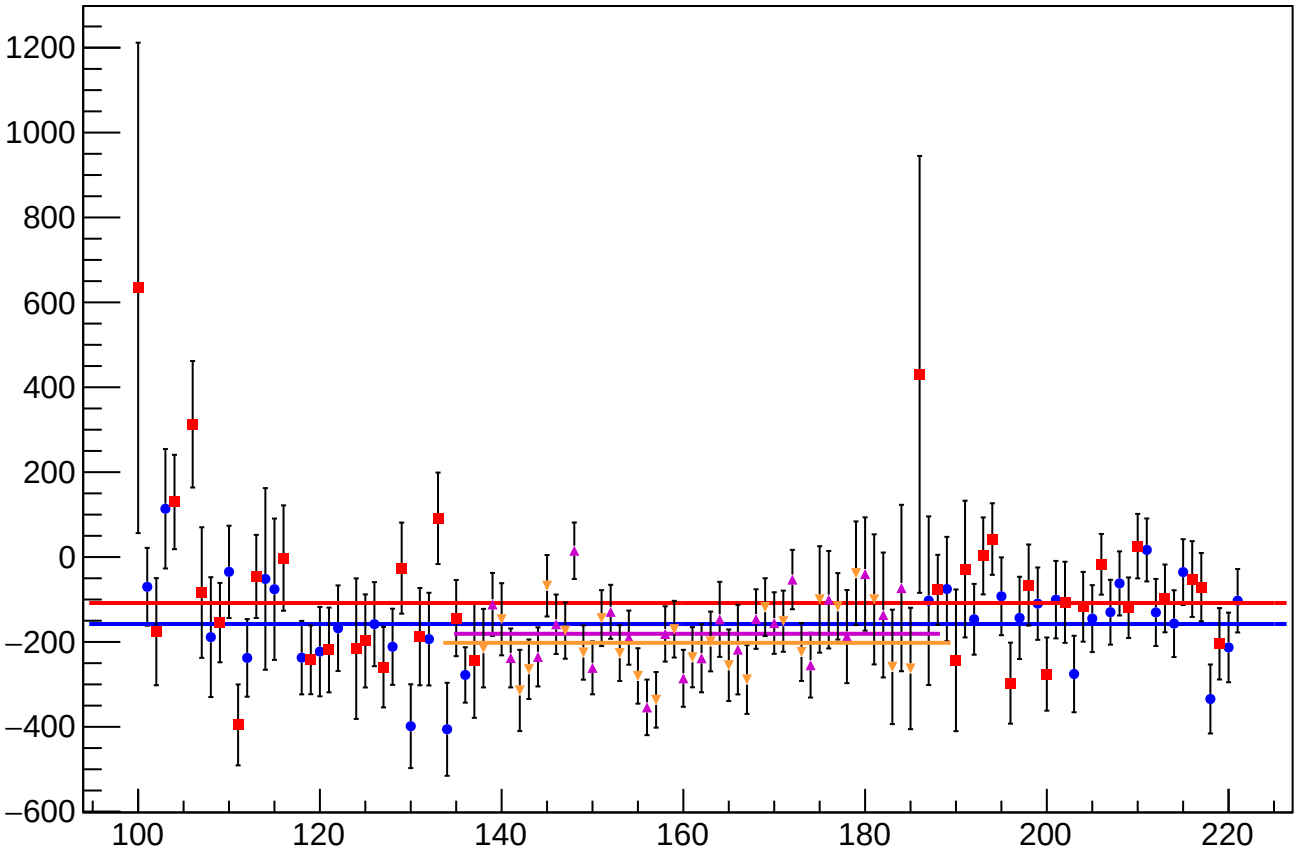
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 230.761+/-0.031 χ^2/NDF: 31328433.1/70

In: 265.631+/-0.033 χ^2/NDF:13981039.9/56

Out: 237.431+/-0.030 χ^2/NDF:19280031.8/61

All: 250.445+/-0.022 χ^2/NDF: 33663855.6/1



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: -108.223+/-16.261 χ^2/NDF: 59.7/36

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

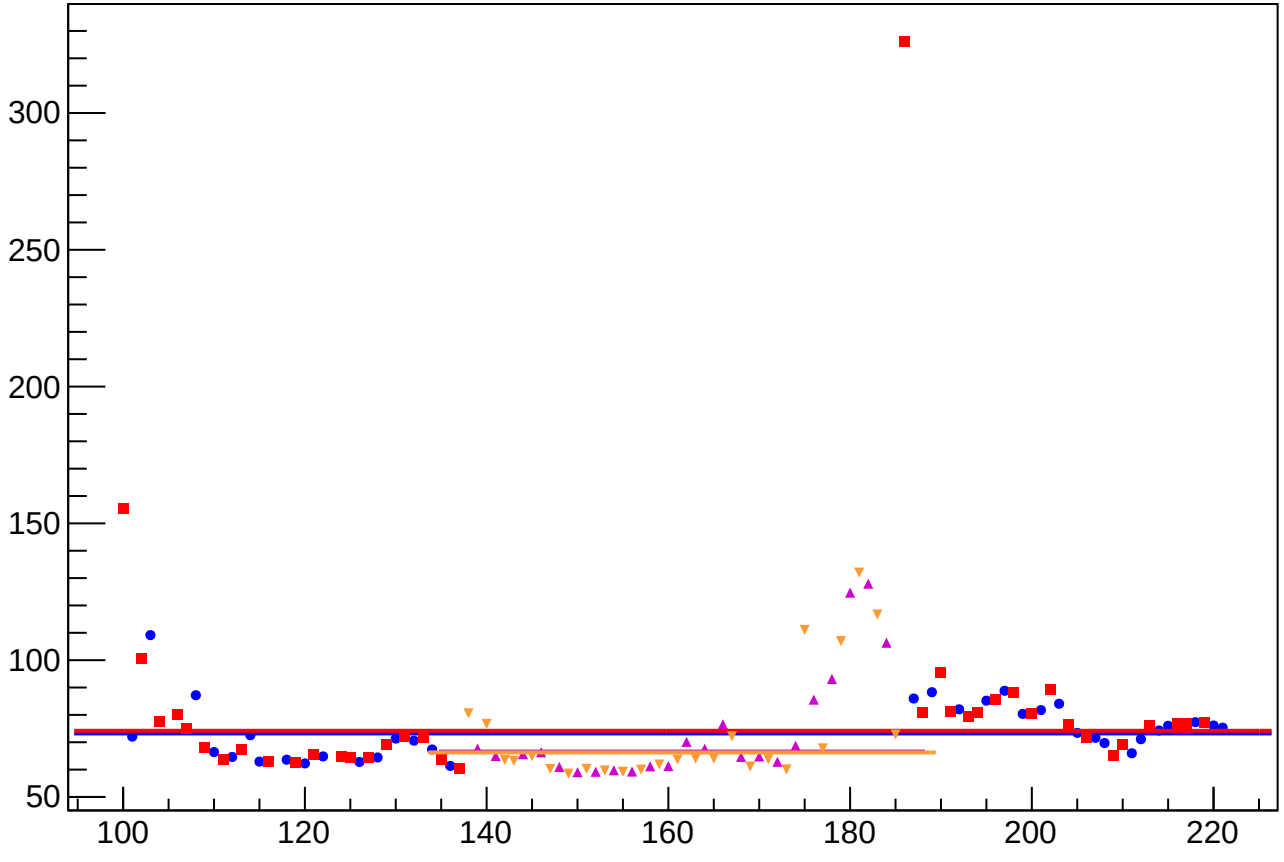
Right: -133.790+/-11.312 χ^2/NDF: 106.9/70

In: -169.077+/-11.229 χ^2/NDF:73.7/56

Out: -157.288+/-11.234 χ^2/NDF:98.6/61

All: -163.185+/-7.942 χ^2/NDF: 172.8/118

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: 74.188+/-0.011 χ^2/NDF: 1076468.0/36

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

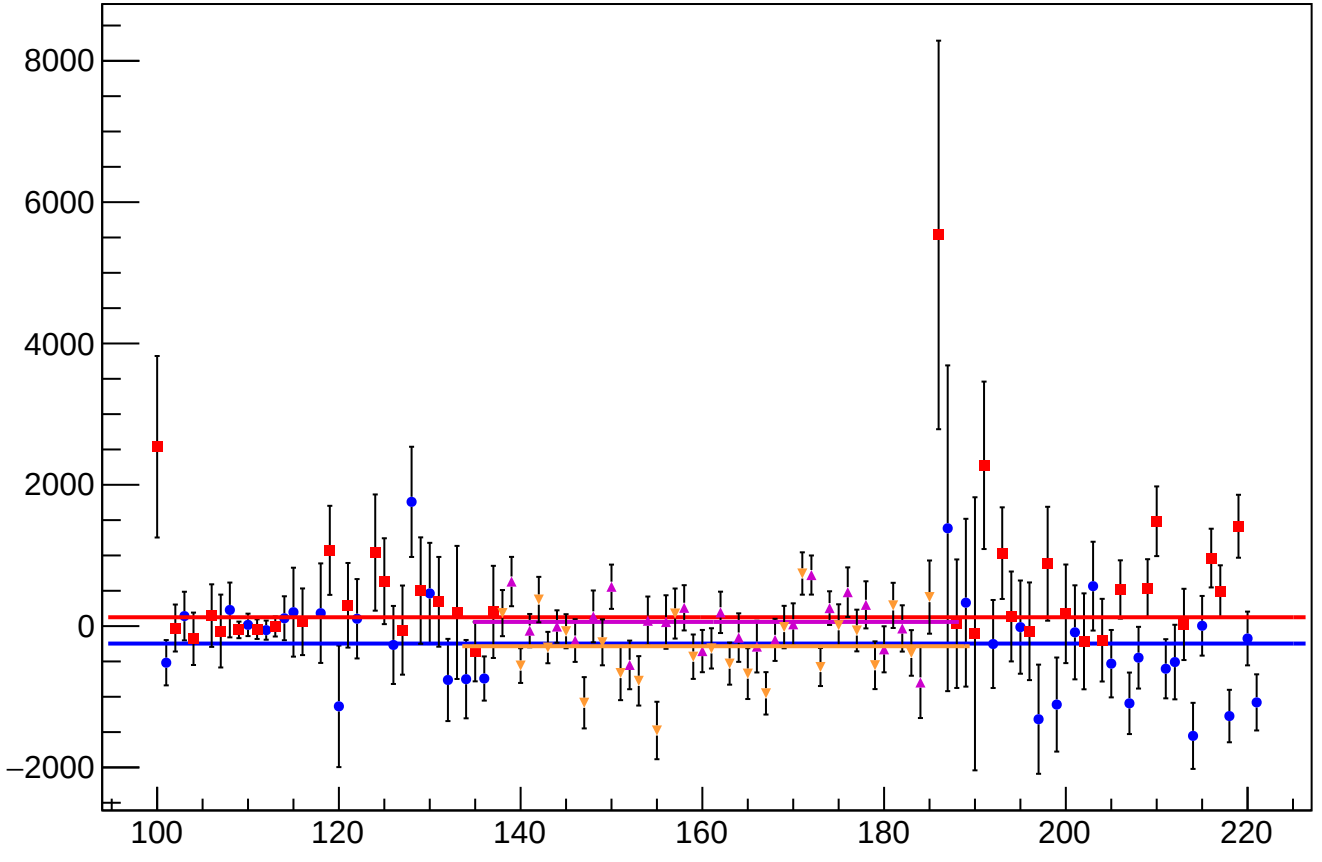
Right: 73.691+/-0.008 χ^2/NDF: 1683995.6/70

In: 69.962+/-0.008 χ^2/NDF:1936900.9/56

Out: 70.054+/-0.008 χ^2/NDF:2717658.3/61

All: 70.008+/-0.006 χ^2/NDF: 4654625.4/118

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: 125.363+/-59.100 χ^2/NDF: 49.0/36

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

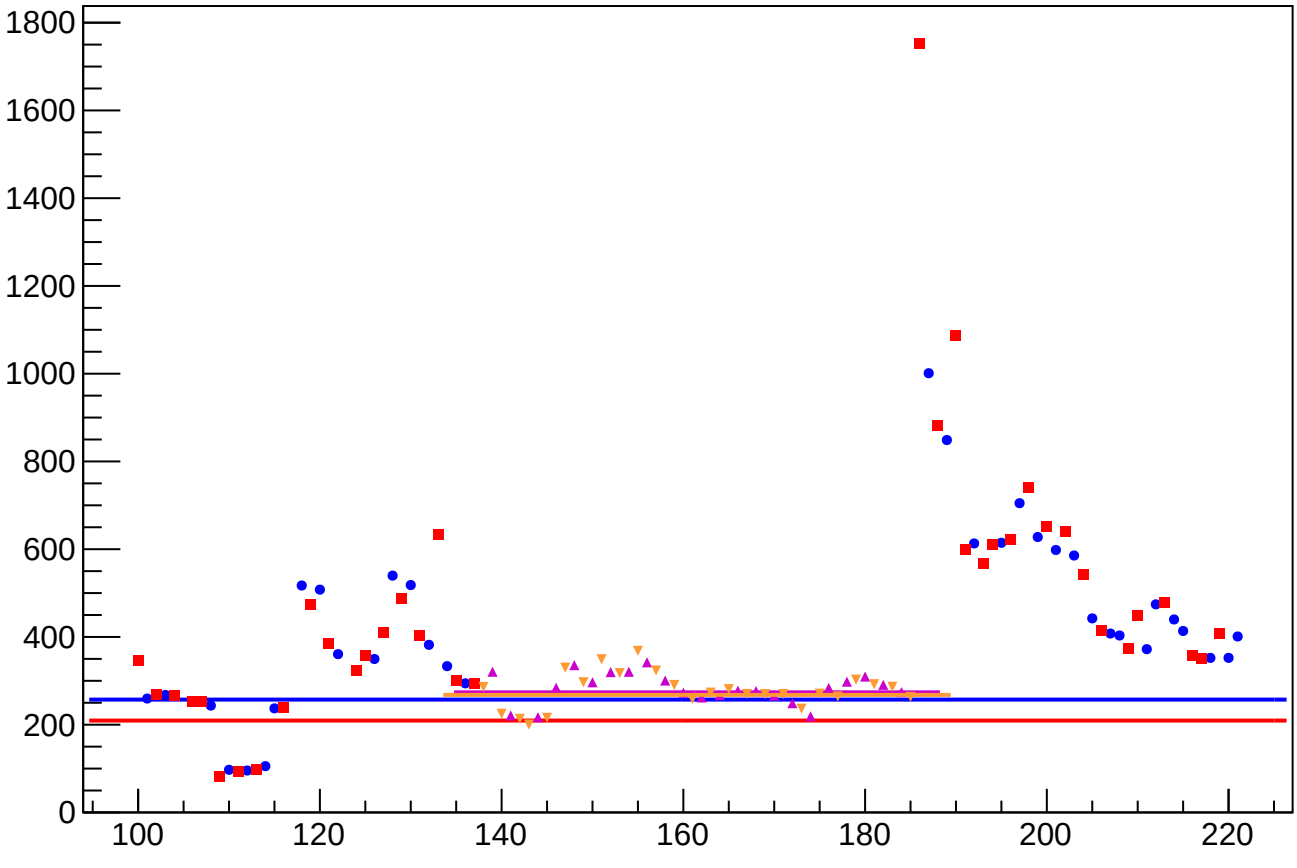
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -40.881+/-43.970 χ^2/NDF: 122.0/70

In: -91.168+/-46.112 χ^2/NDF:93.2/56

Out: -70.637+/-42.689 χ^2/NDF:126.6/61

All: -80.112+/-31.326 χ^2/NDF: 219.9/118



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: 209.421+/-0.042 χ^2/NDF: 17478005.9/36

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

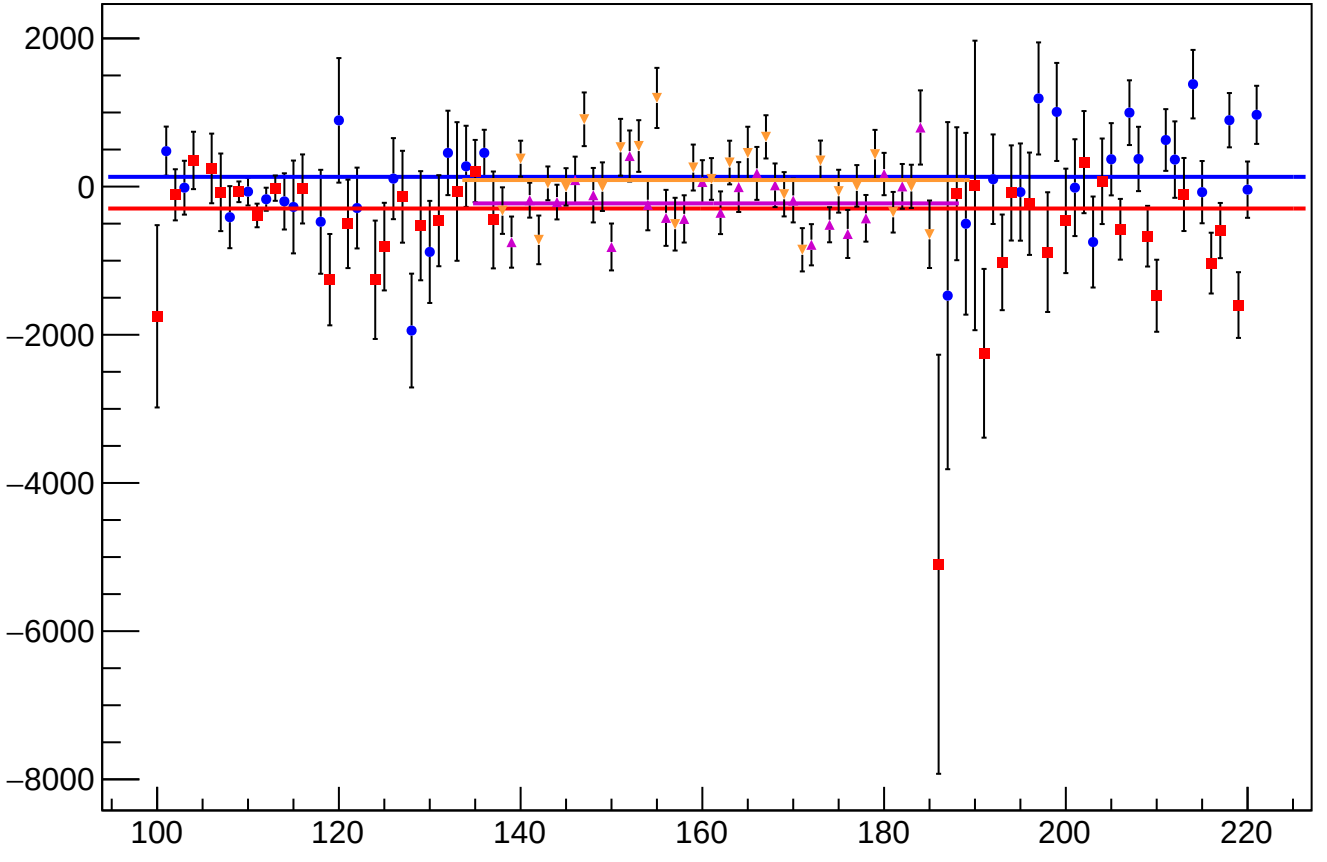
Right: 230.760+/-0.031 χ^2/NDF: 31328509.3/70

In: 265.629+/-0.033 χ^2/NDF:13981155.6/56

Out: 237.430+/-0.030 χ^2/NDF:19280029.8/61

All: 250.444+/-0.022 χ^2/NDF: 33663953.9/11

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: -295.941+/-65.072 χ^2/NDF: 47.3/36

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

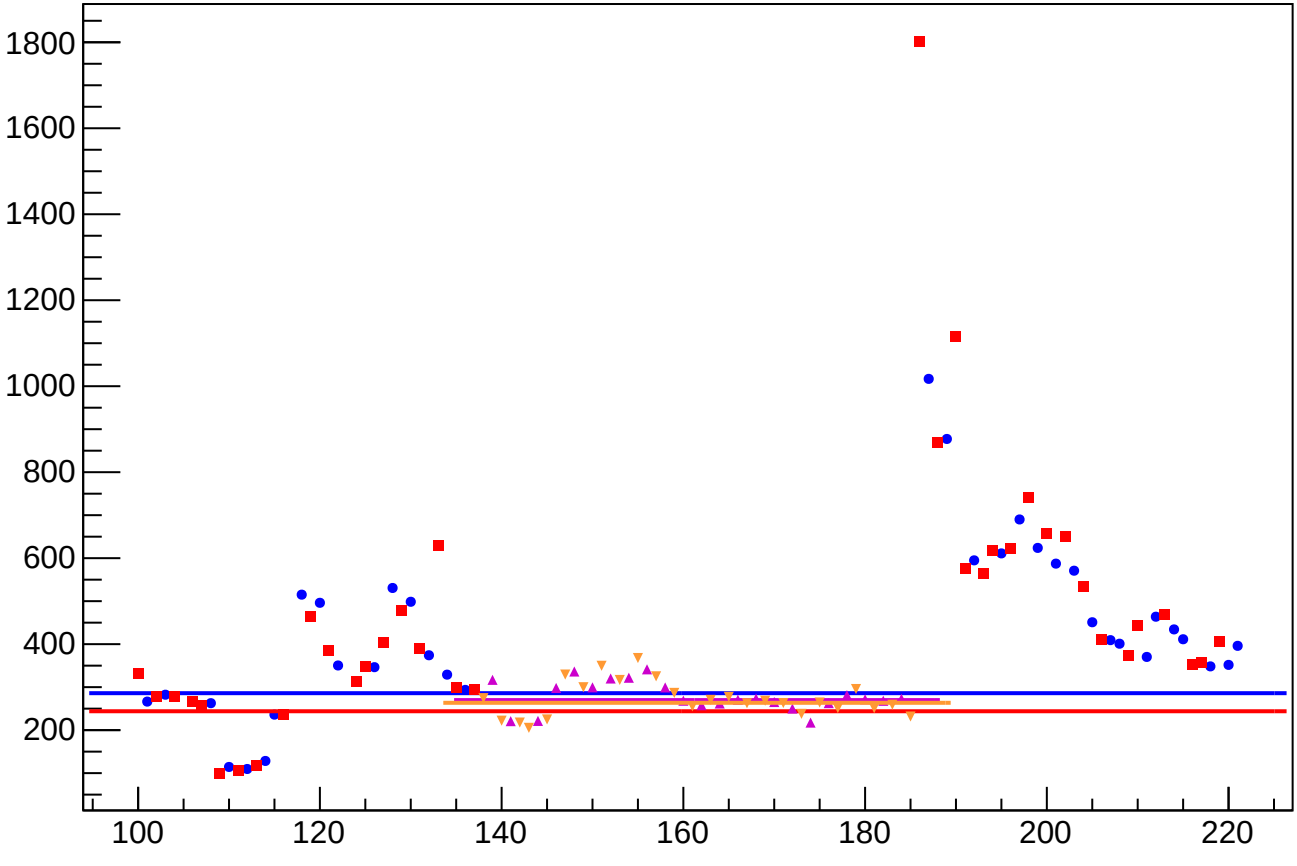
Right: -98.465+/-47.725 χ^2/NDF: 118.8/70

In: -65.162+/-47.166 χ^2/NDF:94.7/56

Out: -90.322+/-44.373 χ^2/NDF:118.2/61

All: -78.509+/-32.319 χ^2/NDF: 213.0/118

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: 243.925+/-0.046 χ^2/NDF: 14530132.1/36

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

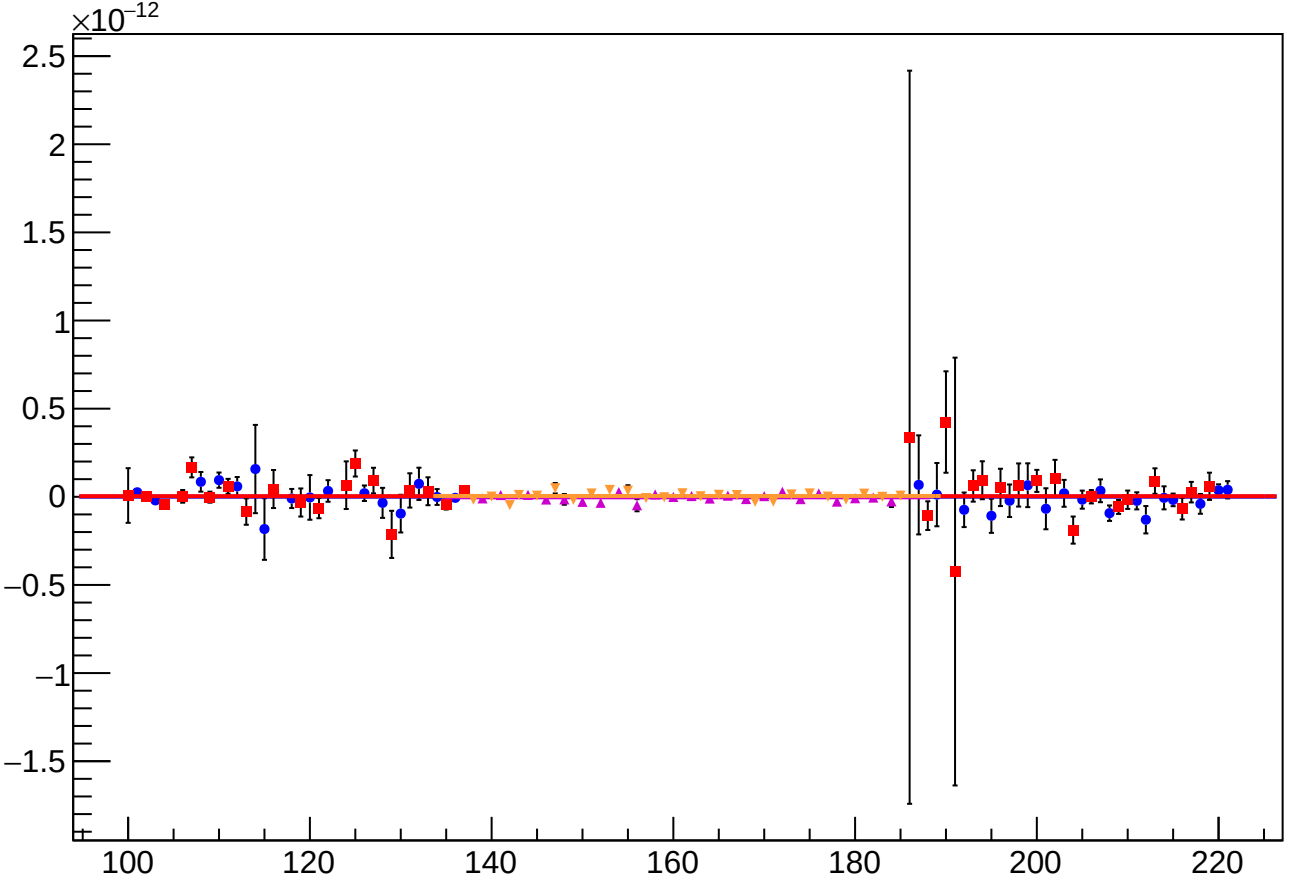
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 263.353+/-0.034 χ^2/NDF: 25518149.4/70

In: 277.151+/-0.033 χ^2/NDF:11261942.4/56

Out: 254.447+/-0.031 χ^2/NDF:15407736.2/61

All: 265.107+/-0.023 χ^2/NDF: 26915515.0/1



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: 51.4/36

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

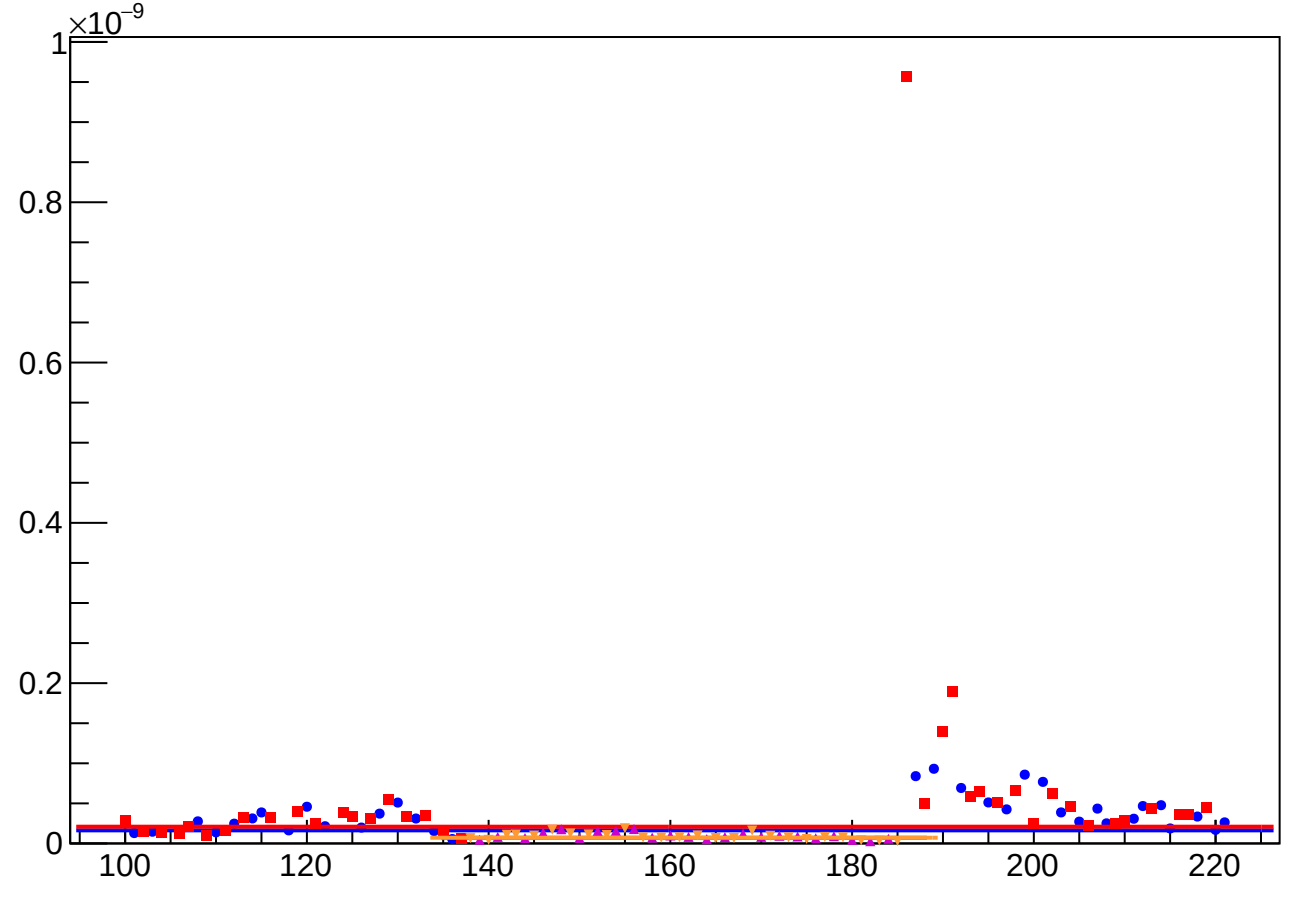
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 78.9/70

In: -0.000+/-0.000 χ^2/NDF:49.2/56

Out: 0.000+/-0.000 χ^2/NDF:79.3/61

All: 0.000+/-0.000 χ^2/NDF: 131.4/118



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: 5411593.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

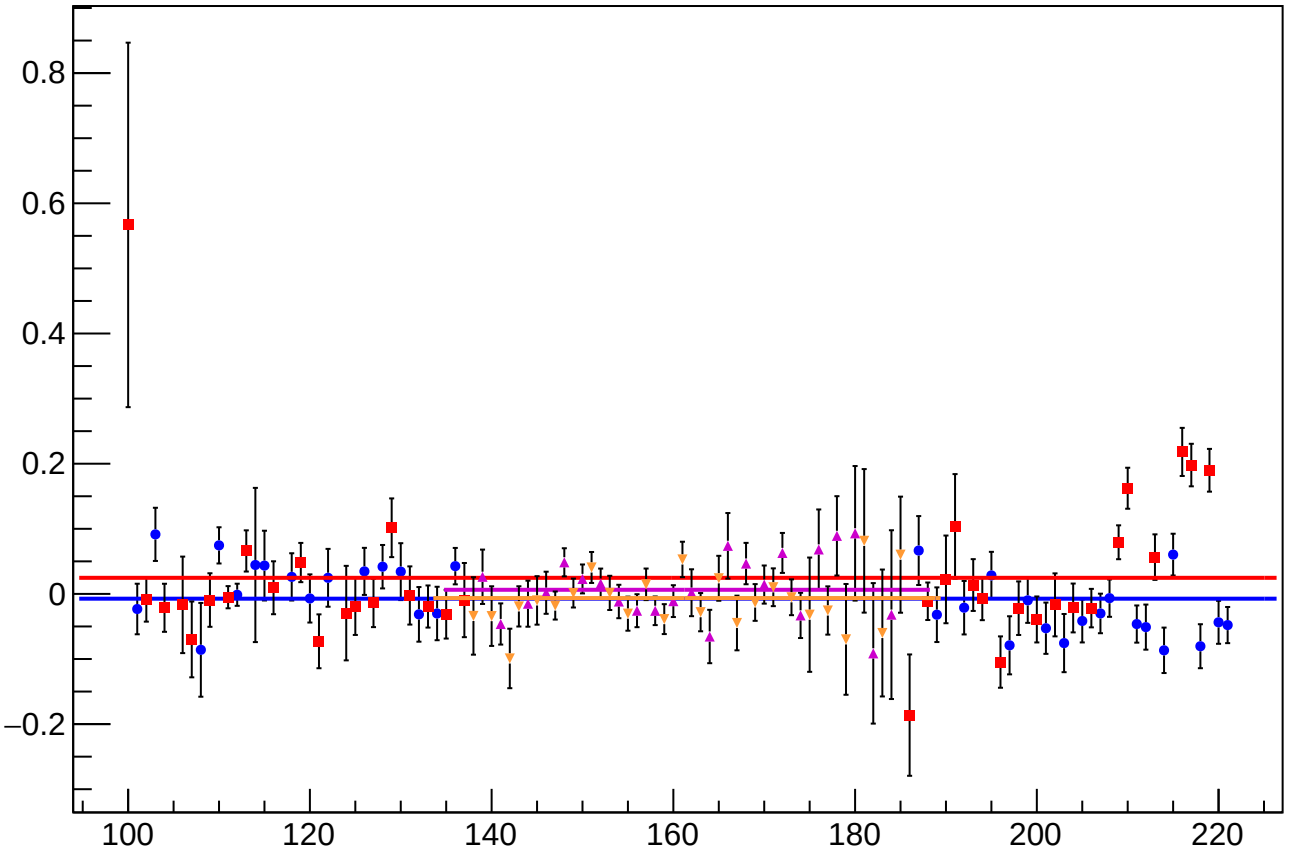
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12844168.8/70

In: 0.000+/-0.000 χ^2/NDF:11989159.5/56

Out: 0.000+/-0.000 χ^2/NDF:11856865.0/61

All: 0.000+/-0.000 χ^2/NDF: 23846132.8/118



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: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

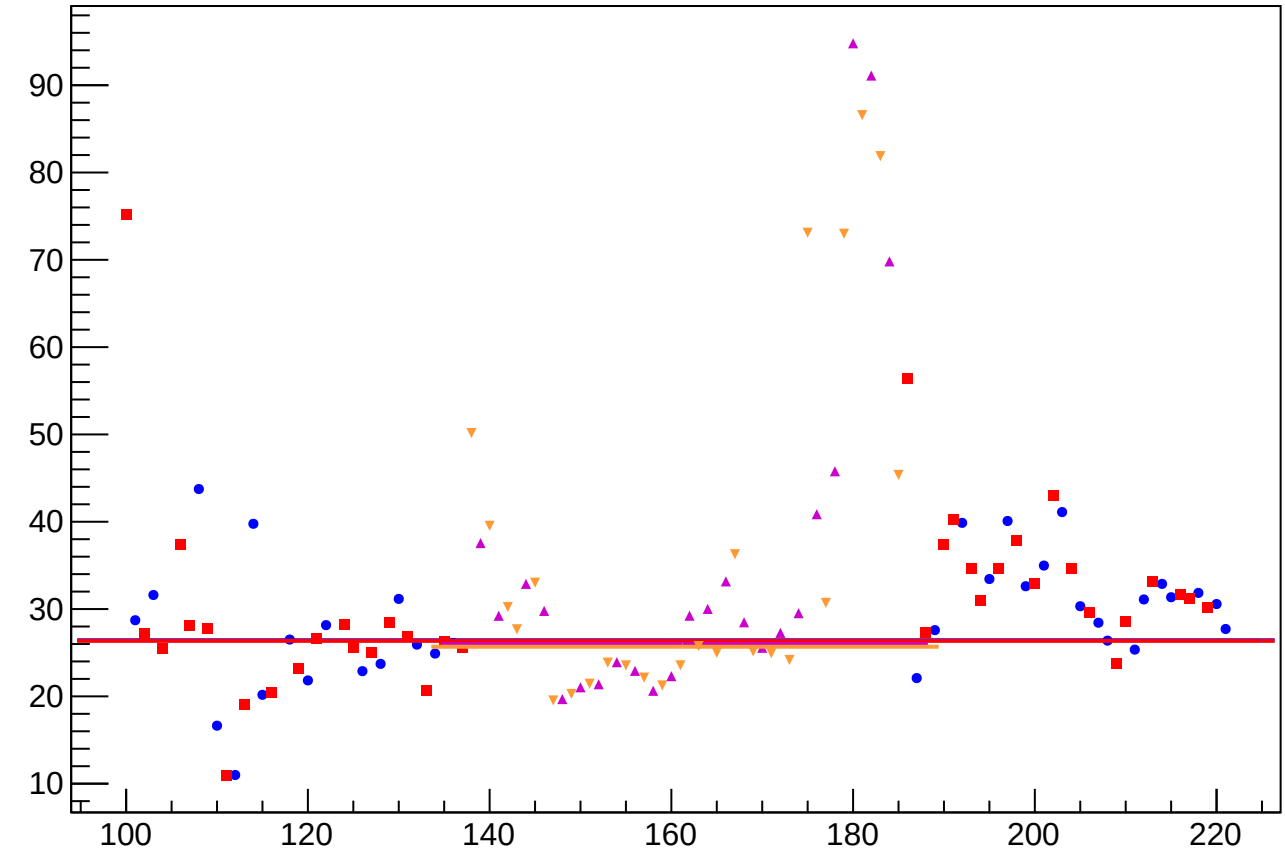
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.004 χ^2/NDF: 238.6/70

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.004+/-0.003 χ^2/NDF: 293.4/118



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: 26.367+/-0.004 χ^2/NDF: 3335014.7/36

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

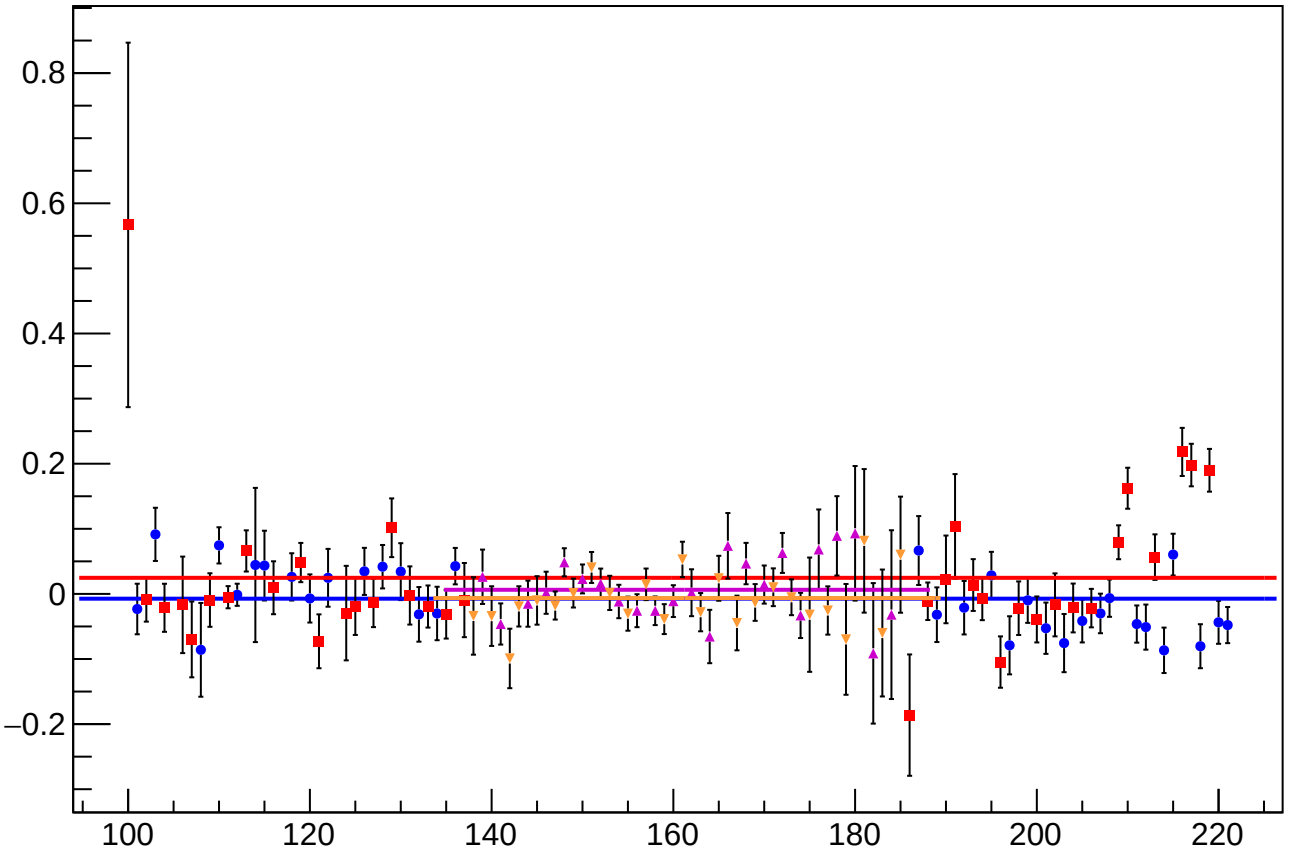
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 26.395+/-0.003 χ^2/NDF: 6679055.5/70

In: 26.221+/-0.003 χ^2/NDF:6467408.8/56

Out: 26.045+/-0.003 χ^2/NDF:7218542.7/61

All: 26.132+/-0.002 χ^2/NDF: 13687548.6/118



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: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

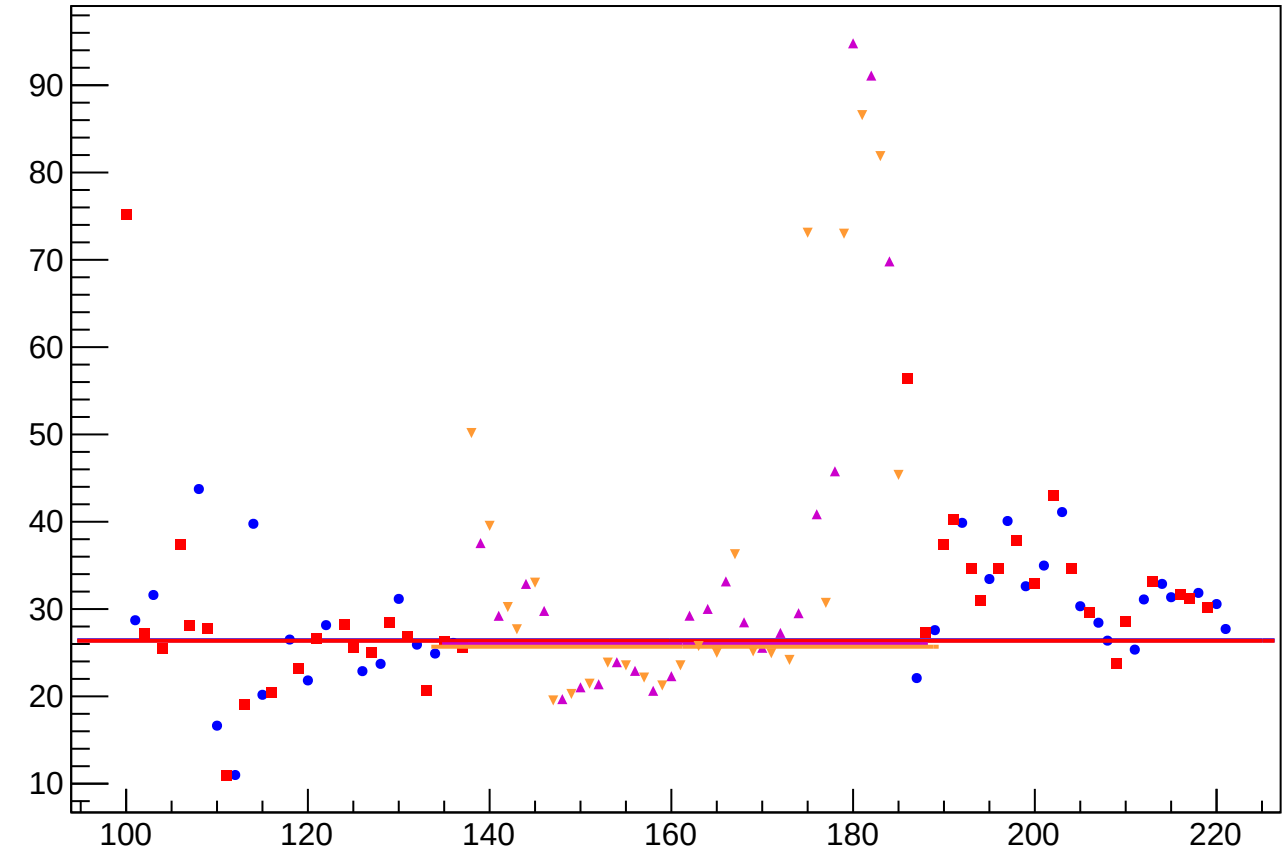
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.004 χ^2/NDF: 238.6/70

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.004+/-0.003 χ^2/NDF: 293.4/118



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: 26.367+/-0.004 χ^2/NDF: 3335014.7/36

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

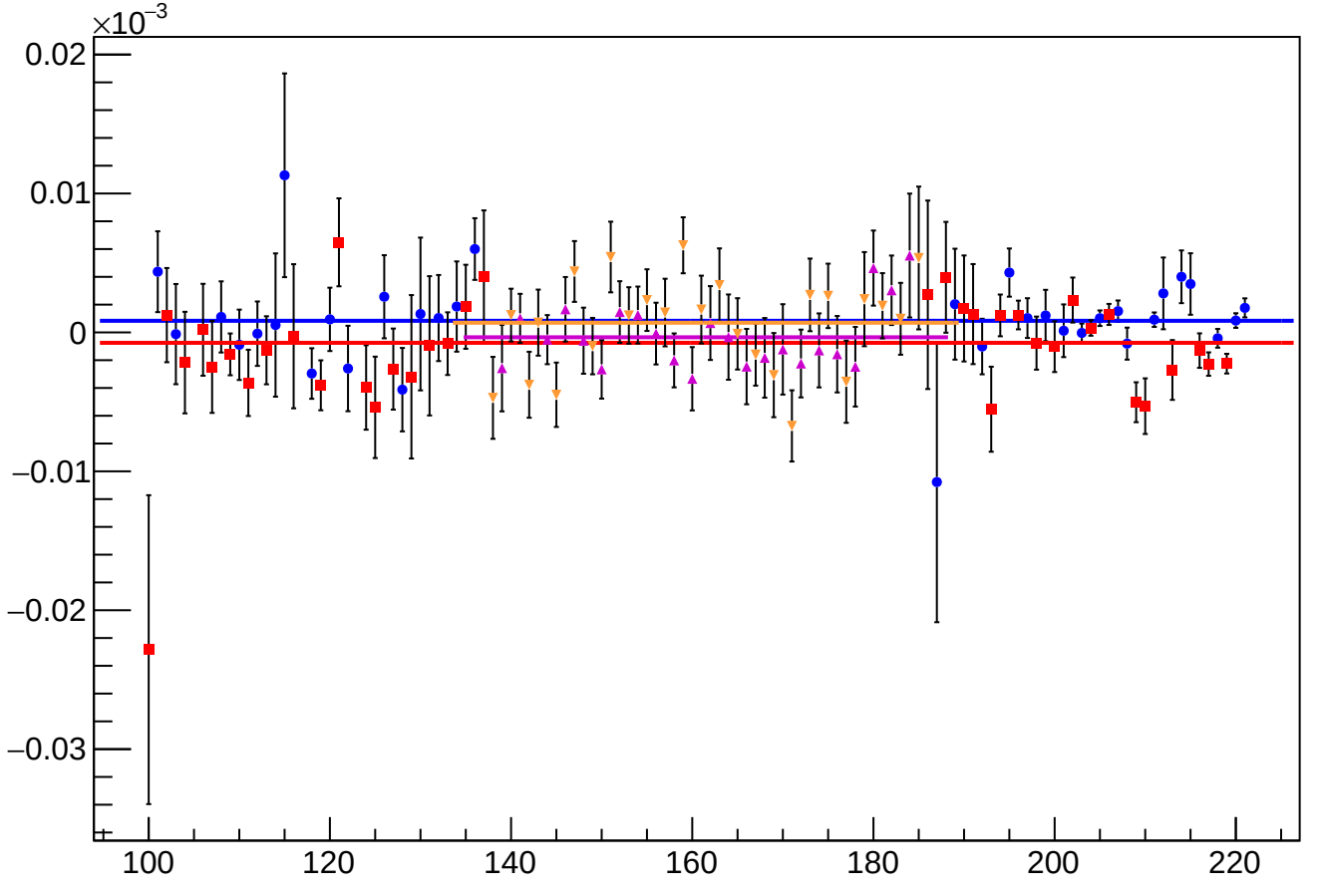
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 26.395+/-0.003 χ^2/NDF: 6679055.5/70

In: 26.221+/-0.003 χ^2/NDF:6467408.8/56

Out: 26.045+/-0.003 χ^2/NDF:7218542.7/61

All: 26.132+/-0.002 χ^2/NDF: 13687548.6/118



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 67.6/36

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

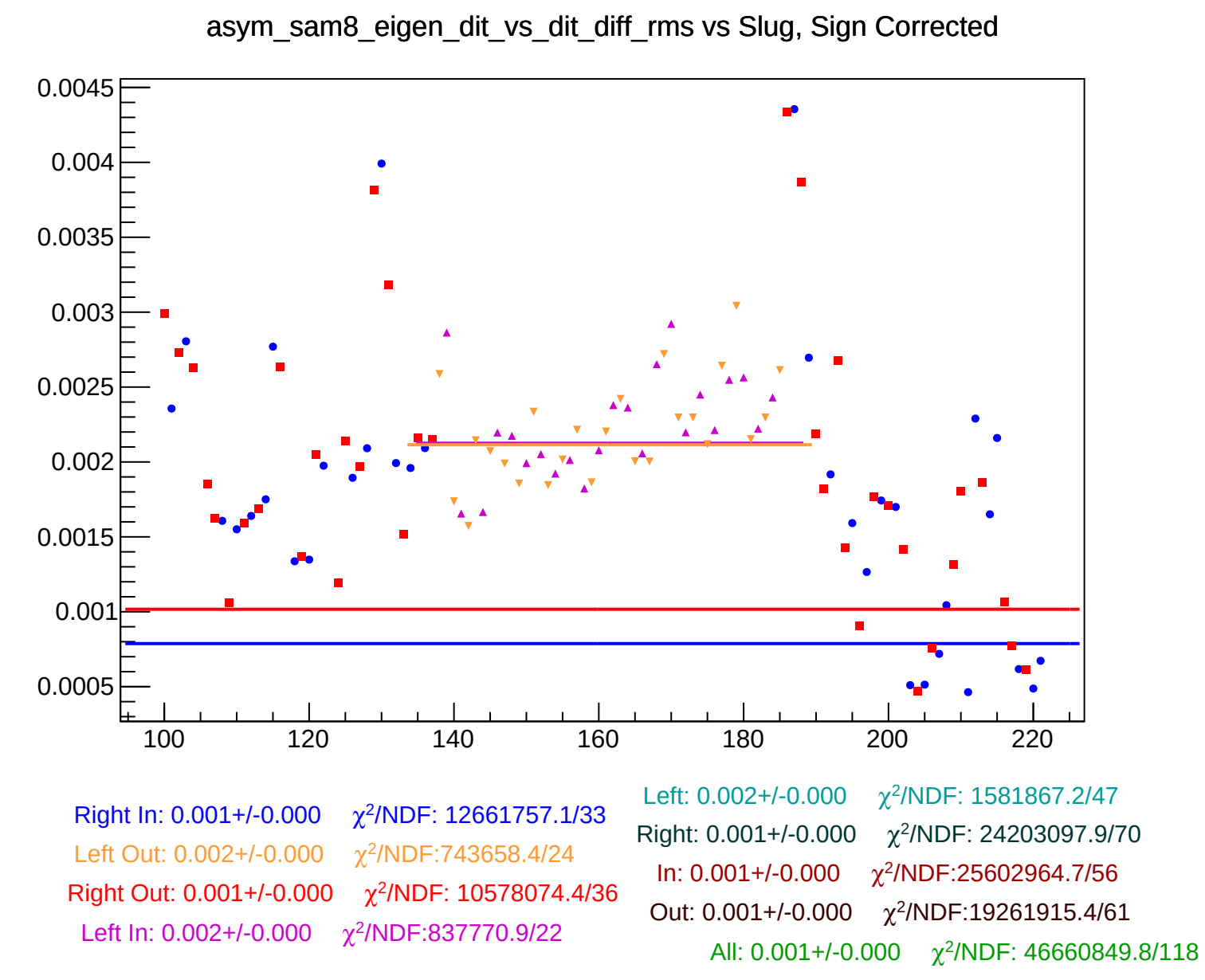
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: 0.000+/-0.000 χ^2/NDF: 130.3/70

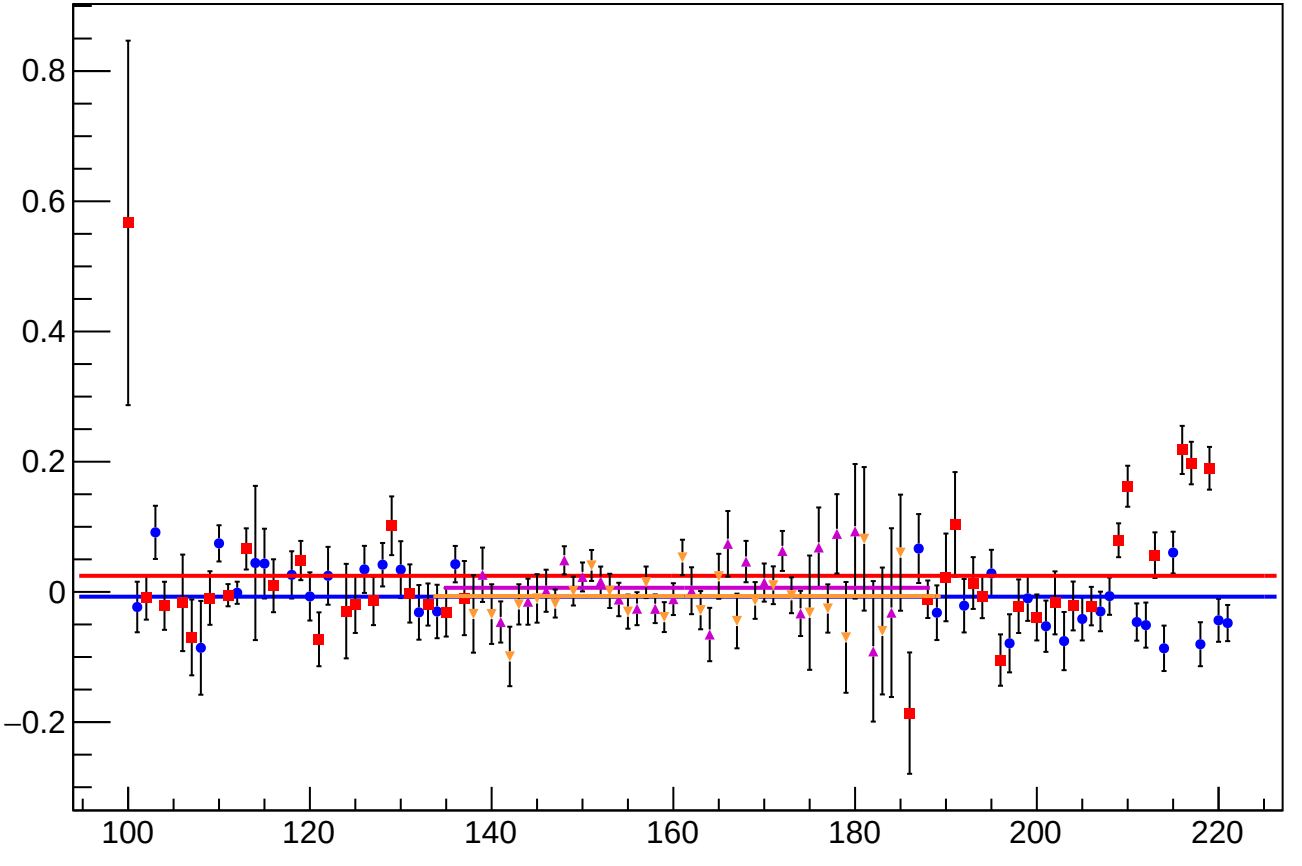
In: 0.000+/-0.000 χ^2/NDF:60.8/56

Out: -0.000+/-0.000 χ^2/NDF:118.8/61

All: 0.000+/-0.000 χ^2/NDF: 193.3/118


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: 10578074.4/36
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: 24203097.9/70
In: 0.001+/-0.000 χ²/NDF:25602964.7/56
Out: 0.001+/-0.000 χ²/NDF:19261915.4/61
All: 0.001+/-0.000 χ²/NDF: 46660849.8/118

asym_sam8_eigen_dit_vs_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: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

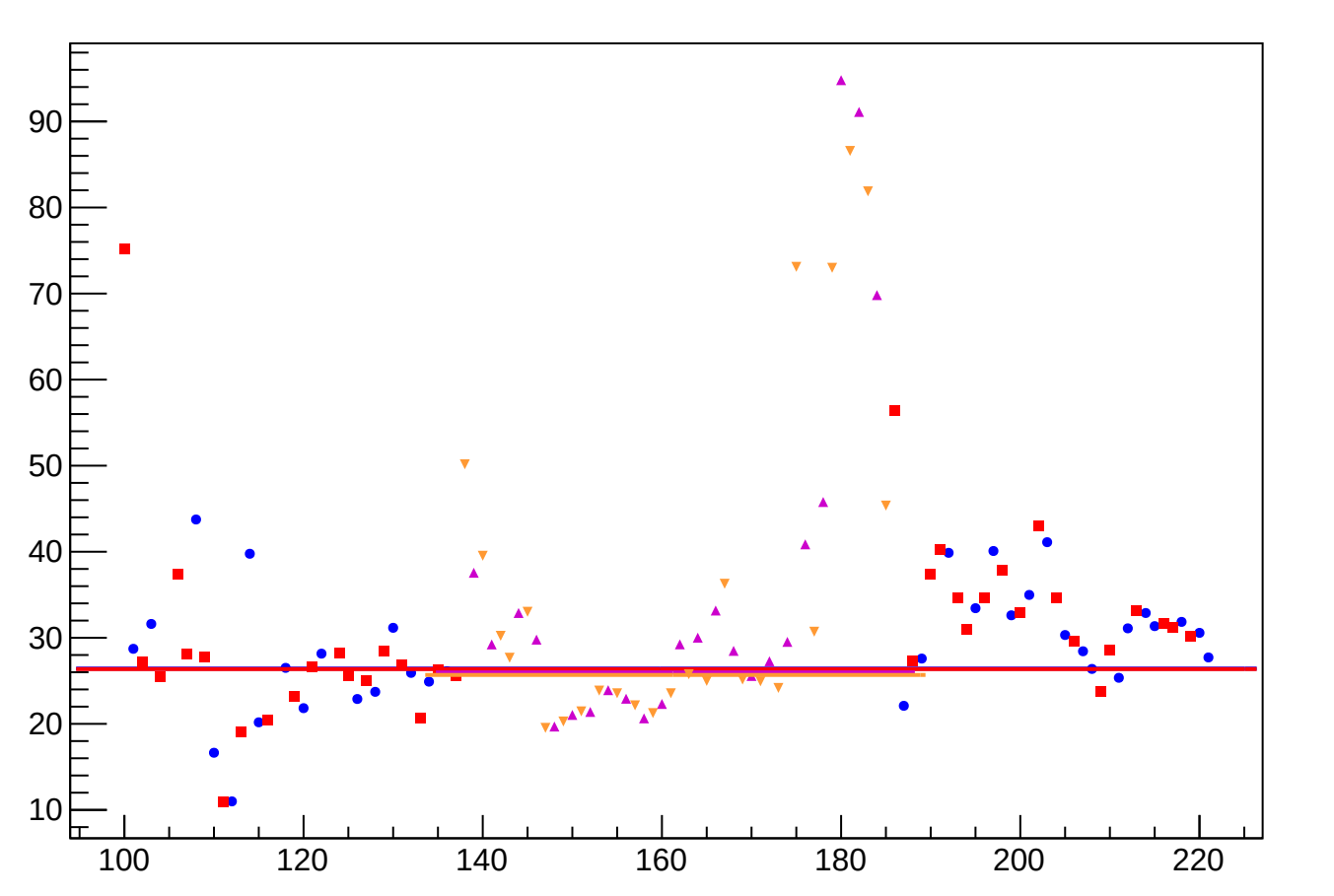
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.004 χ^2/NDF: 238.6/70

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.004+/-0.003 χ^2/NDF: 293.4/118



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: 26.366+/-0.004 χ^2/NDF: 3335317.9/36

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

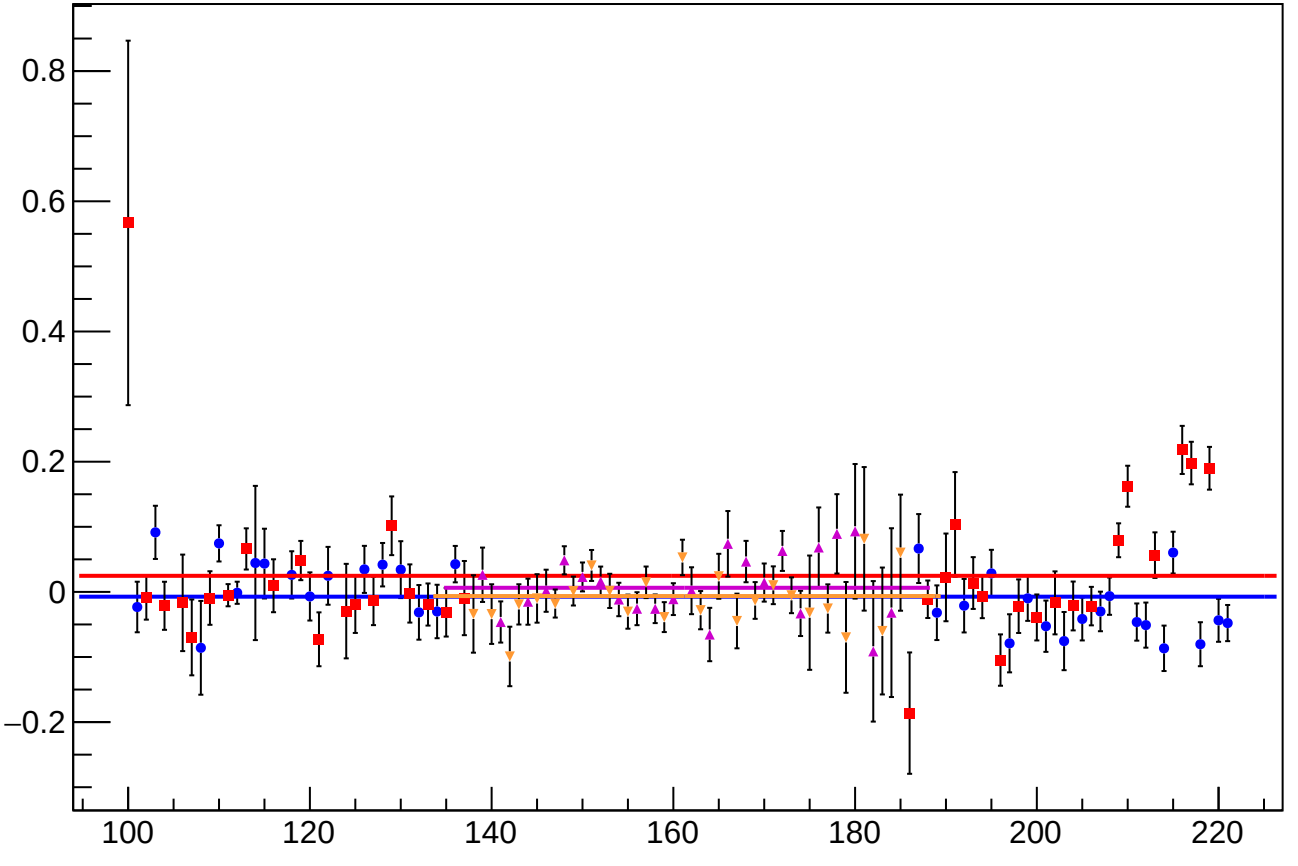
Right: 26.394+/-0.003 χ^2/NDF: 6679658.6/70

In: 26.221+/-0.003 χ^2/NDF:6467675.3/56

Out: 26.044+/-0.003 χ^2/NDF:7218827.6/61

All: 26.132+/-0.002 χ^2/NDF: 13688100.9/118

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: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

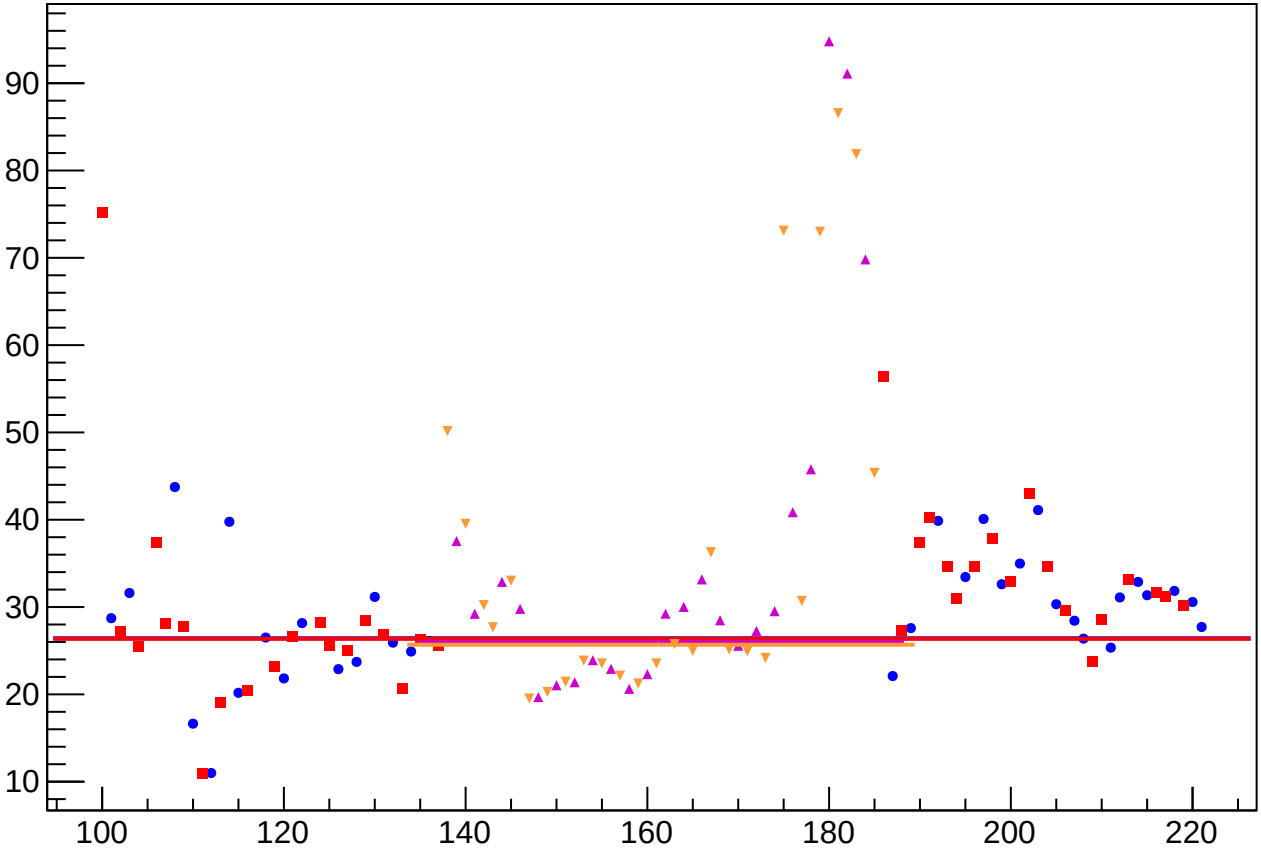
Right: 0.008+/-0.004 χ^2/NDF: 238.6/70

In: -0.001+/-0.004 χ^2/NDF:89.8/56

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.004+/-0.003 χ^2/NDF: 293.4/118

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 26.366+/-0.004 χ^2/NDF: 3335317.9/36

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

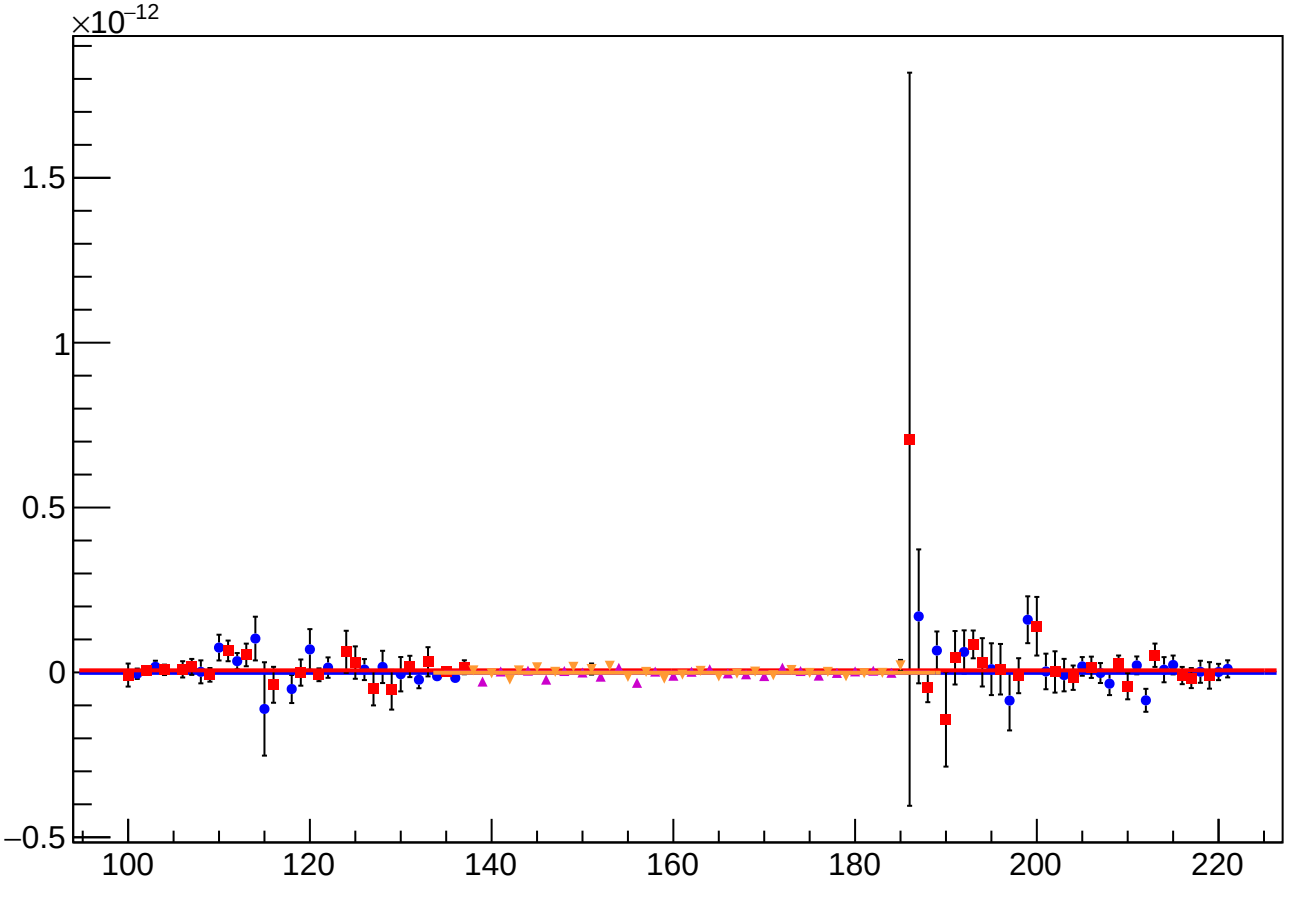
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 26.394+/-0.003 χ^2/NDF: 6679658.6/70

In: 26.221+/-0.003 χ^2/NDF:6467675.3/56

Out: 26.044+/-0.003 χ^2/NDF:7218827.6/61

All: 26.132+/-0.002 χ^2/NDF: 13688100.9/118



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: 25.8/36

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

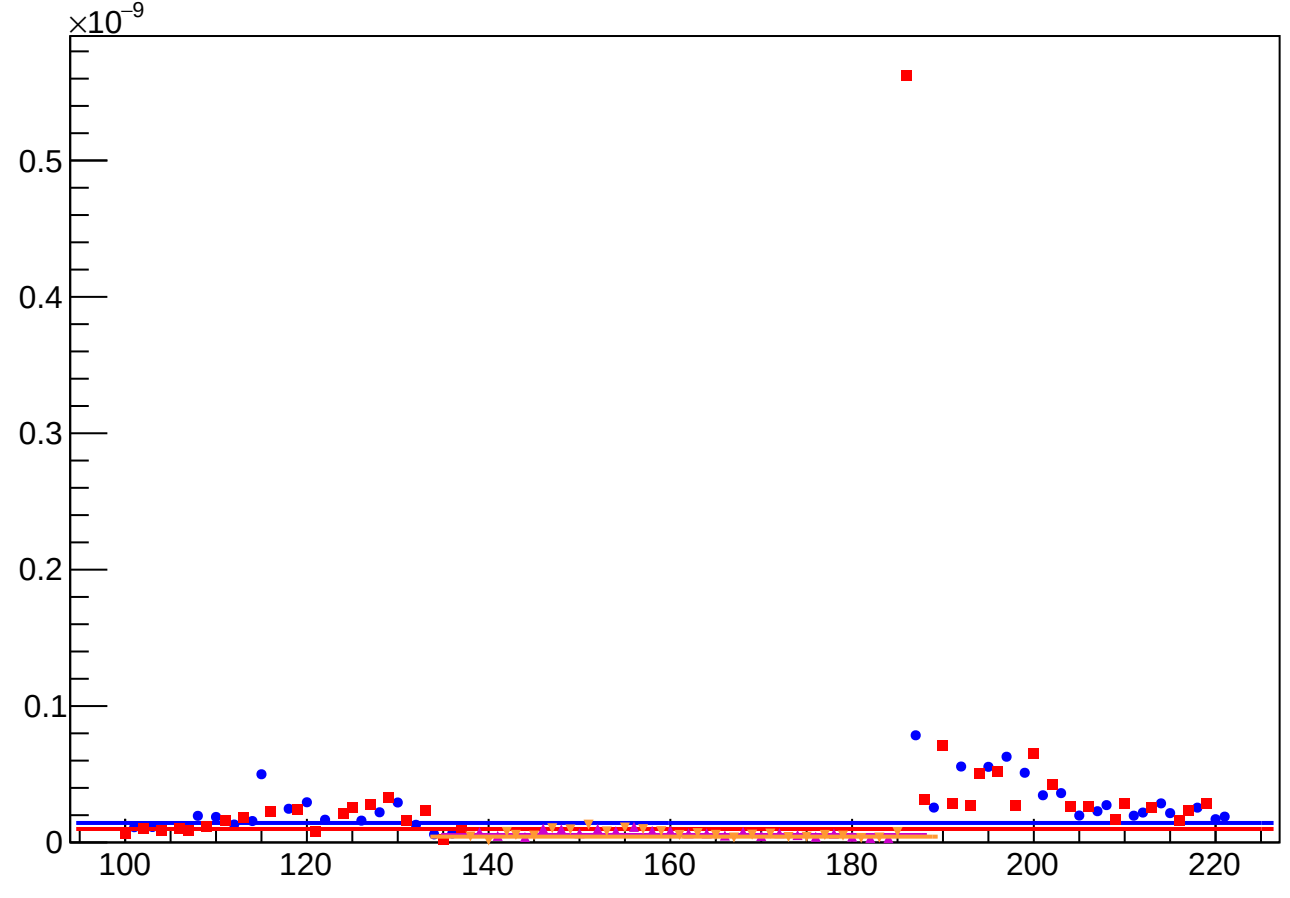
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.6/70

In: -0.000+/-0.000 χ^2/NDF:64.9/56

Out: -0.000+/-0.000 χ^2/NDF:57.6/61

All: -0.000+/-0.000 χ^2/NDF: 122.5/118



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: 12412252.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

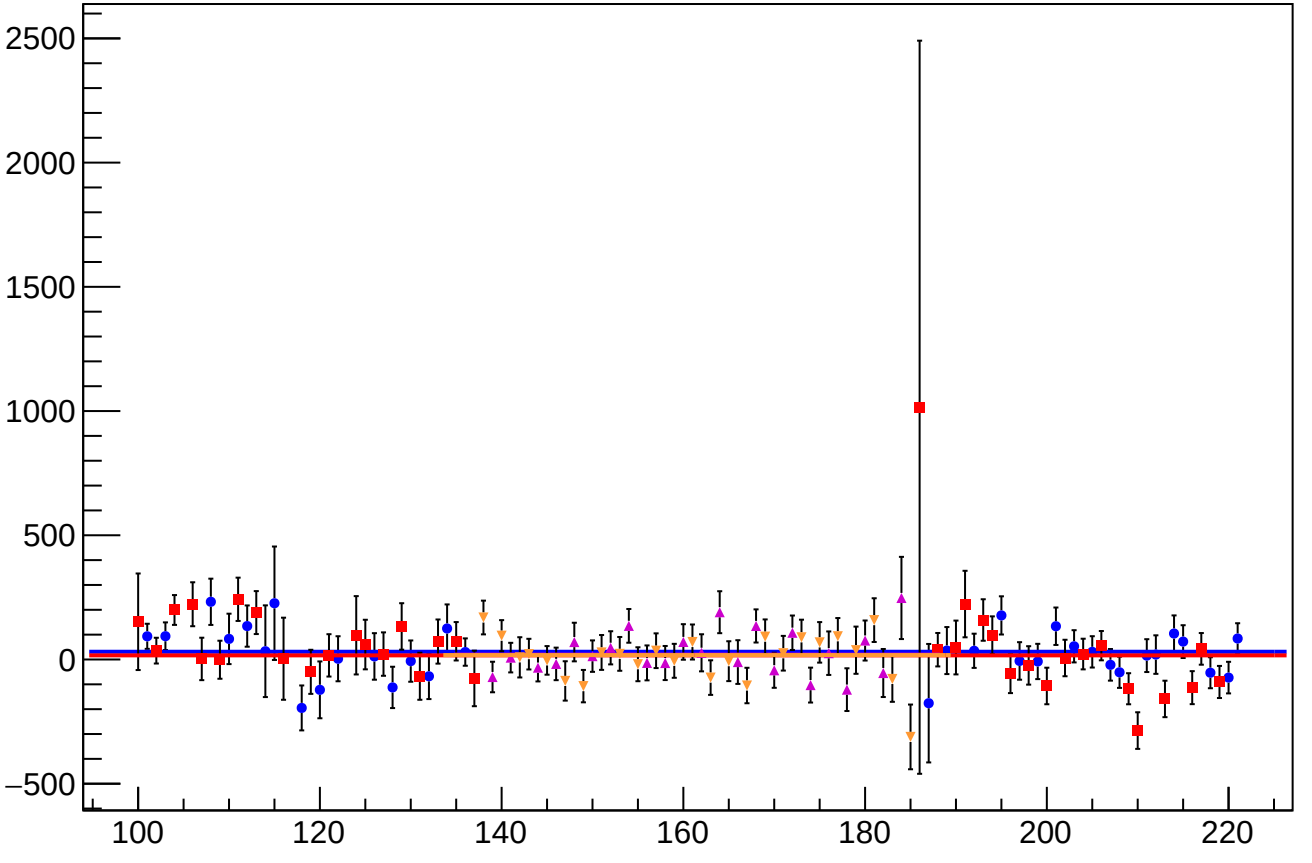
Right: 0.000+/-0.000 χ^2/NDF: 21283368.5/70

In: 0.000+/-0.000 χ^2/NDF:17017625.5/56

Out: 0.000+/-0.000 χ^2/NDF:21390309.6/61

All: 0.000+/-0.000 χ^2/NDF: 39617197.6/118

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: 16.557+/-13.109 χ^2/NDF: 76.5/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

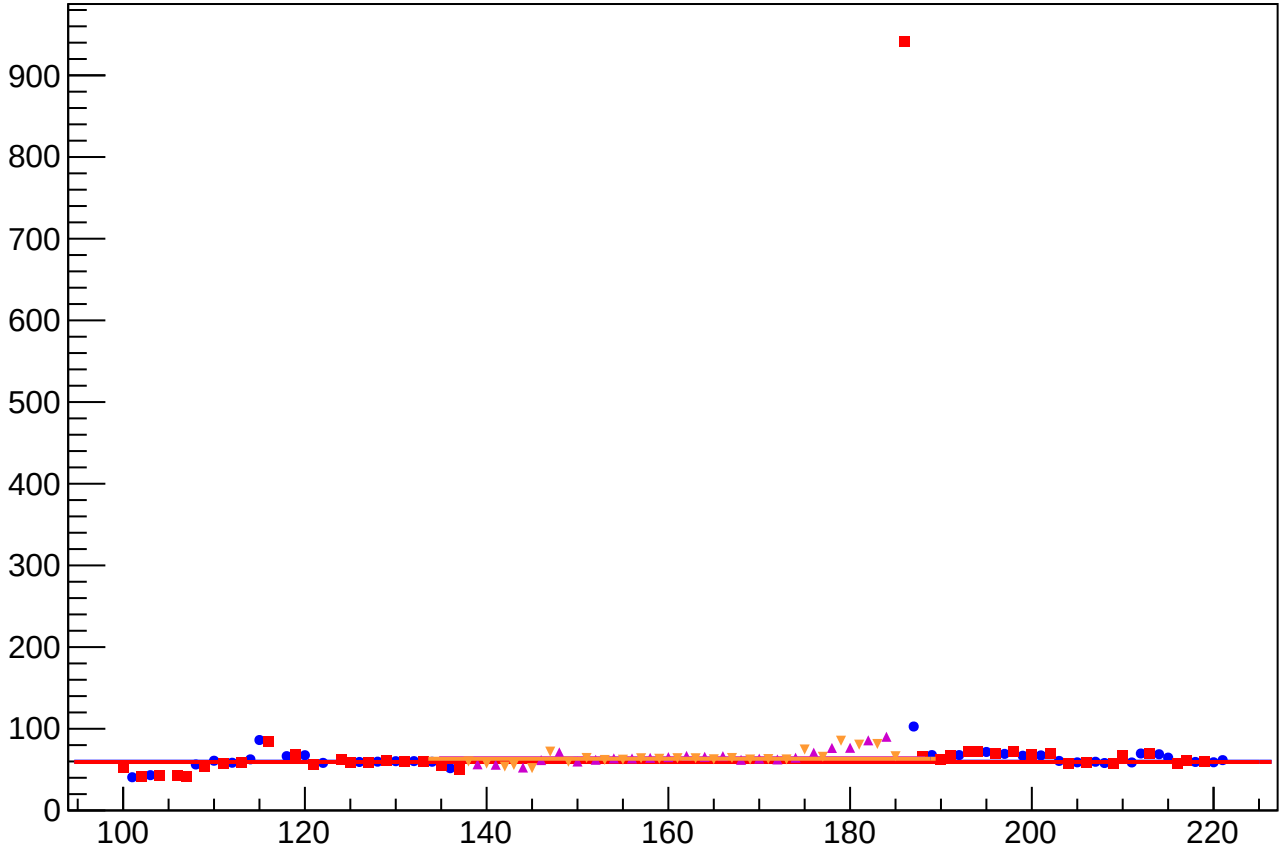
Right: 23.991+/-9.186 χ^2/NDF: 116.6/70

In: 26.290+/-9.782 χ^2/NDF:66.1/56

Out: 17.116+/-9.723 χ^2/NDF:108.1/61

All: 21.676+/-6.896 χ^2/NDF: 174.6/118

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: 59.312+/-0.009 χ^2/NDF: 1719337.9/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

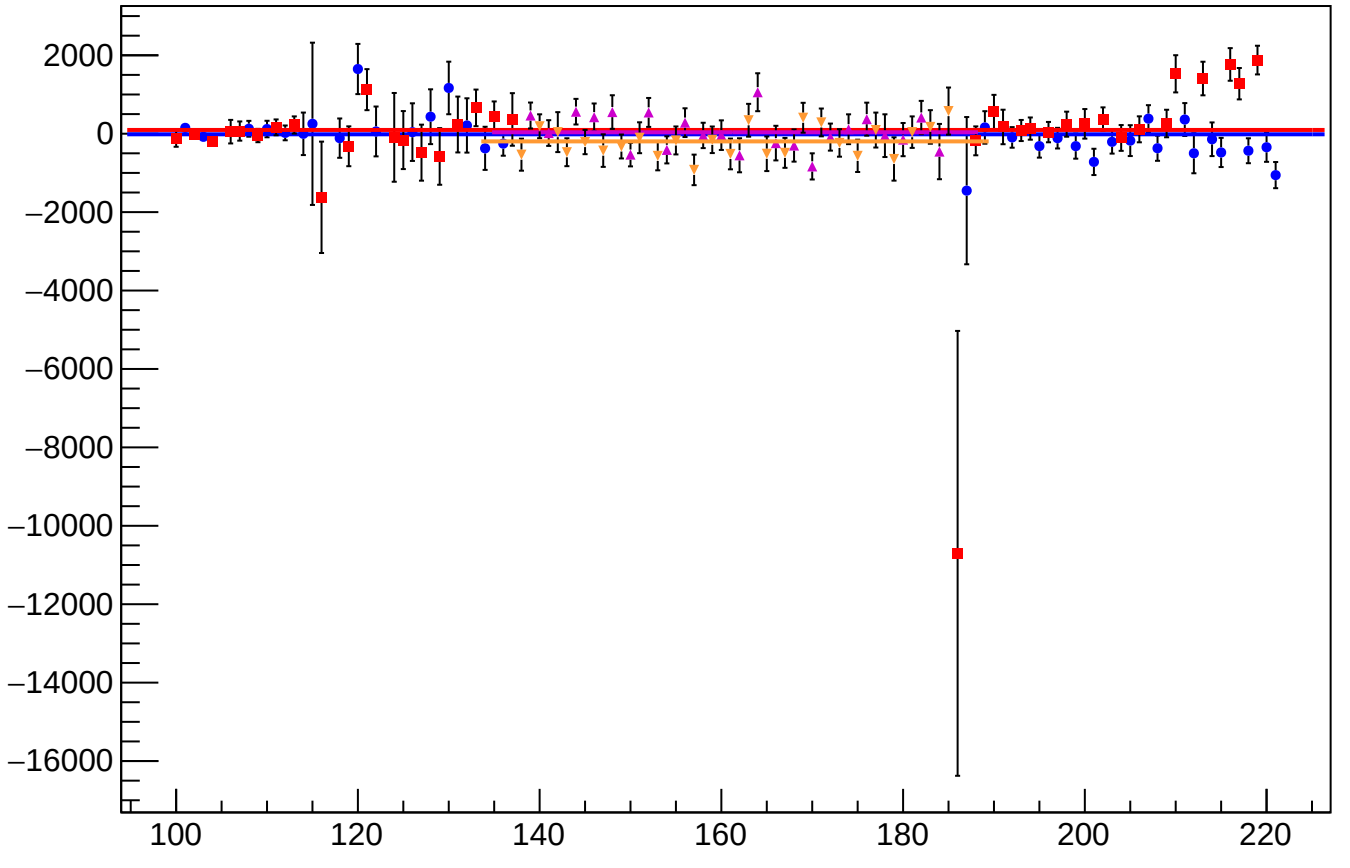
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.521+/-0.006 χ^2/NDF: 2585023.8/70

In: 61.497+/-0.007 χ^2/NDF:1399824.9/56

Out: 61.112+/-0.007 χ^2/NDF:2300564.6/61

All: 61.303+/-0.005 χ^2/NDF: 3701949.6/118



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: 95.748+/-43.111 χ^2/NDF: 98.3/36

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

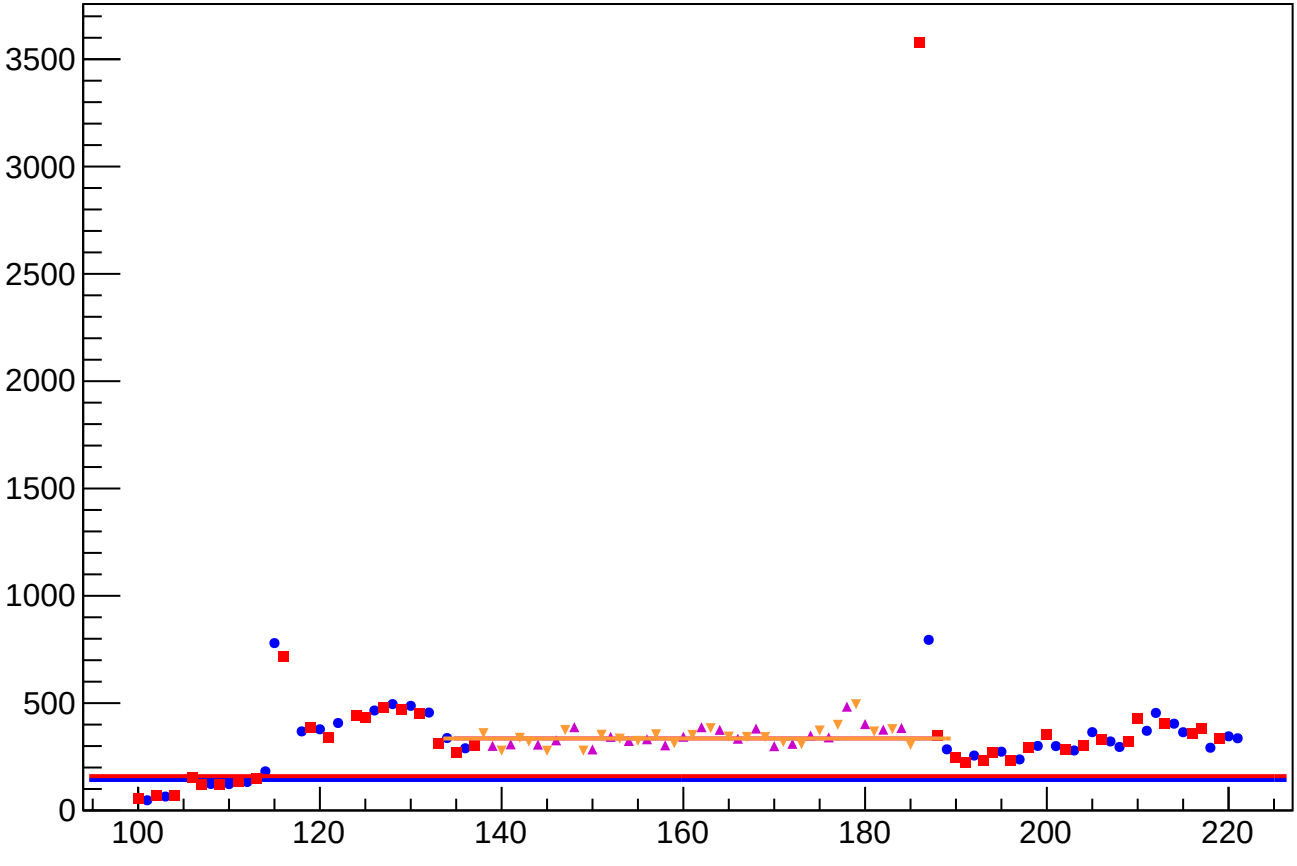
Right: 36.679+/-29.486 χ^2/NDF: 146.6/70

In: -4.568+/-36.001 χ^2/NDF:76.2/56

Out: 26.254+/-37.627 χ^2/NDF:129.8/61

All: 10.163+/-26.012 χ^2/NDF: 206.4/118

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



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: 159.890+/-0.030 χ^2/NDF: 14813115.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

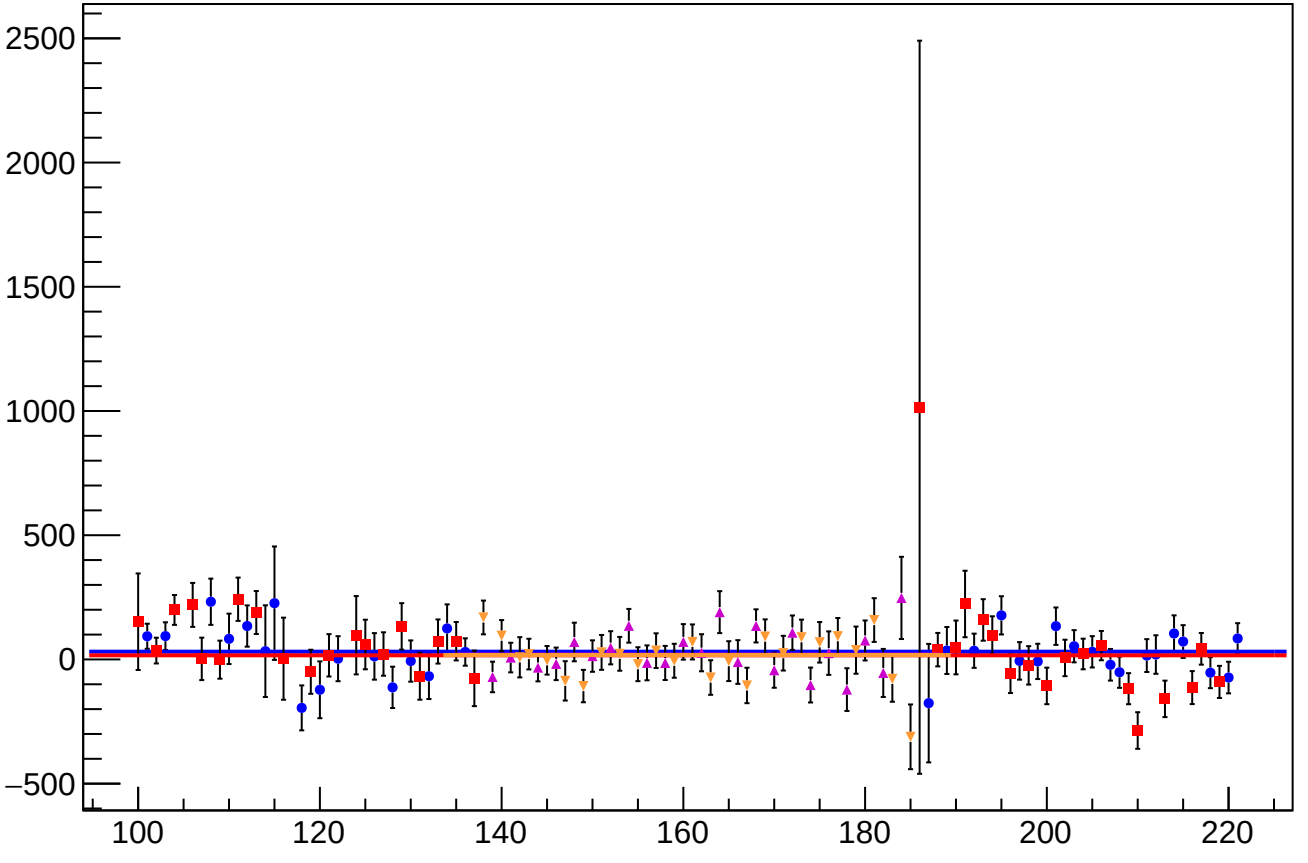
Right: 150.402+/-0.021 χ^2/NDF: 33326542.4/70

In: 182.028+/-0.025 χ^2/NDF:28292690.5/56

Out: 201.673+/-0.027 χ^2/NDF:23262539.7/61

All: 191.417+/-0.018 χ^2/NDF: 51839862.1/11

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: 16.495+/-13.109 χ^2/NDF: 76.3/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

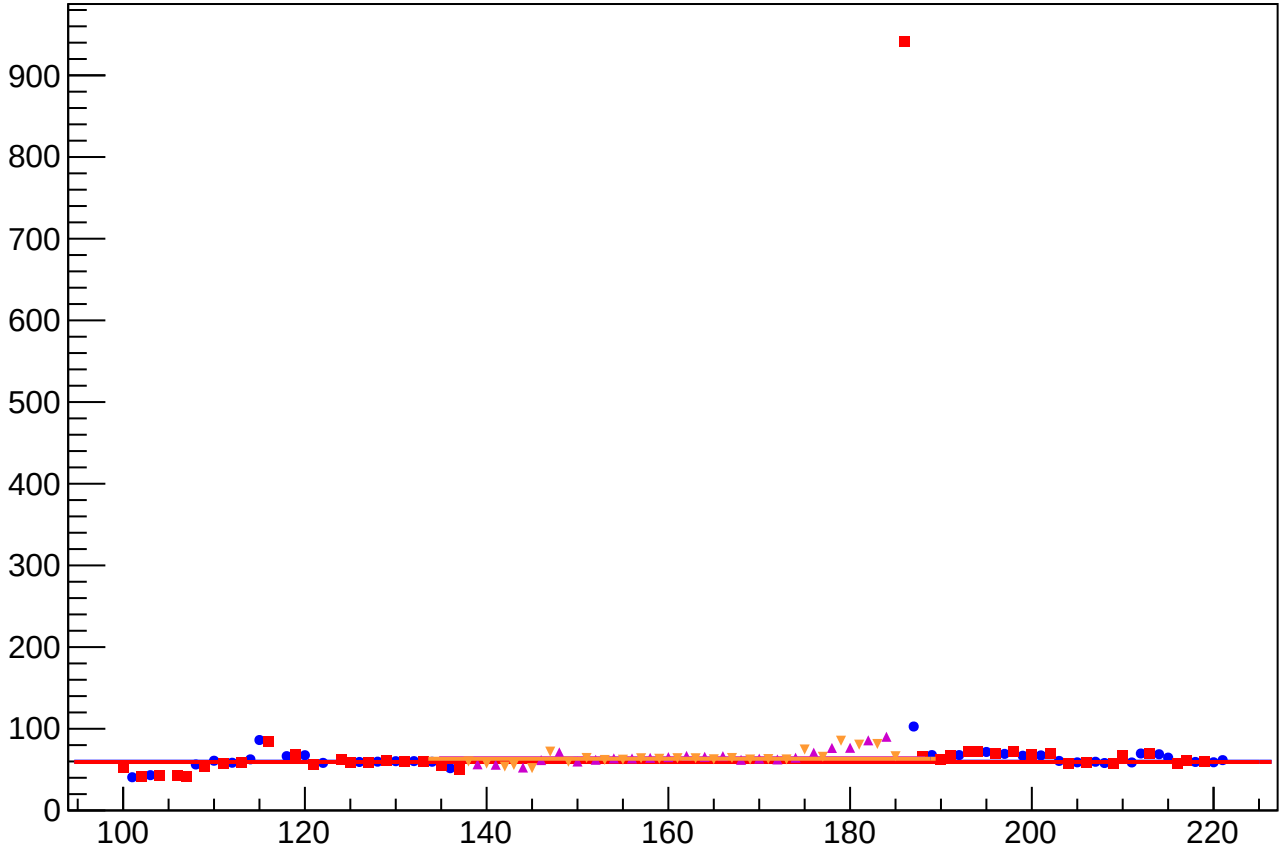
Right: 23.963+/-9.186 χ^2/NDF: 116.5/70

In: 26.293+/-9.782 χ^2/NDF:66.1/56

Out: 17.084+/-9.723 χ^2/NDF:107.9/61

All: 21.661+/-6.896 χ^2/NDF: 174.4/118

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: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

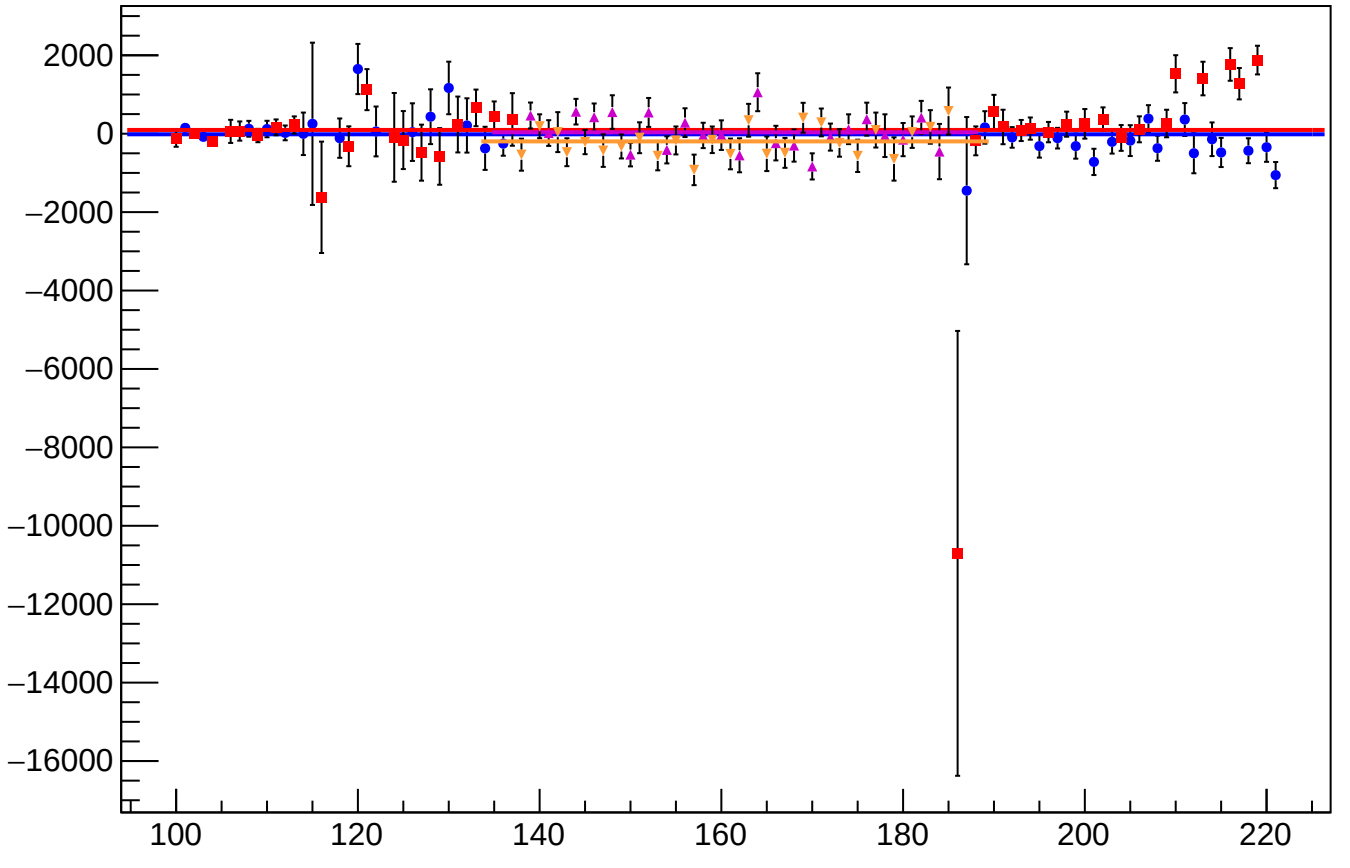
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.520+/-0.006 χ^2/NDF: 2585450.5/70

In: 61.497+/-0.007 χ^2/NDF:1399823.8/56

Out: 61.112+/-0.007 χ^2/NDF:2301011.9/61

All: 61.303+/-0.005 χ^2/NDF: 3702397.8/118



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: 95.920+/-43.084 χ^2/NDF: 98.2/36

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

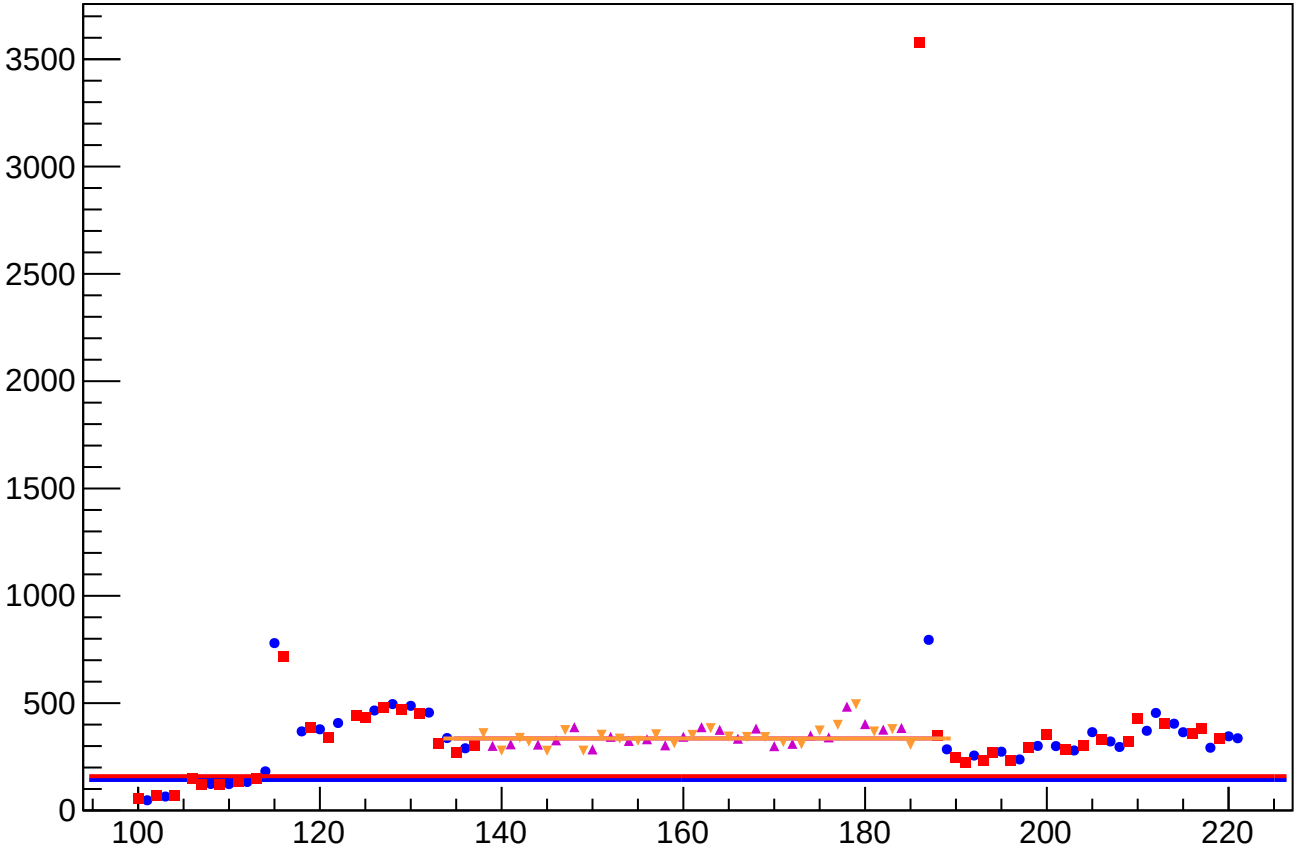
Right: 36.796+/-29.477 χ^2/NDF: 146.6/70

In: -4.564+/-36.001 χ^2/NDF:76.2/56

Out: 26.452+/-37.609 χ^2/NDF:129.8/61

All: 10.267+/-26.006 χ^2/NDF: 206.4/118

asym_sam_15_avg_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: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

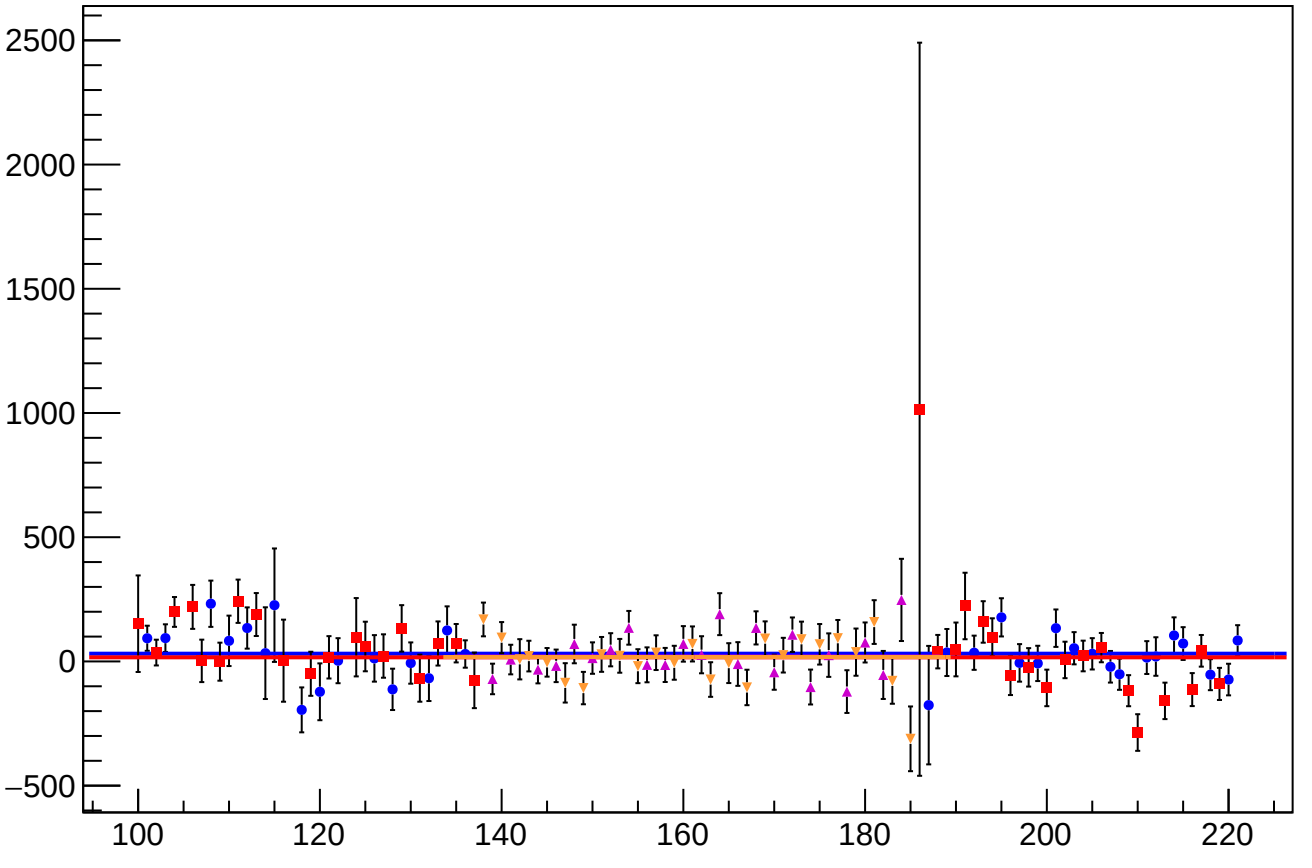
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 150.314+/-0.021 χ^2/NDF: 33333357.7/70

In: 182.024+/-0.025 χ^2/NDF:28293567.6/56

Out: 201.484+/-0.027 χ^2/NDF:23292643.5/61

All: 191.329+/-0.018 χ^2/NDF: 51865652.5/11



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: 16.495+/-13.109 χ^2/NDF: 76.3/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

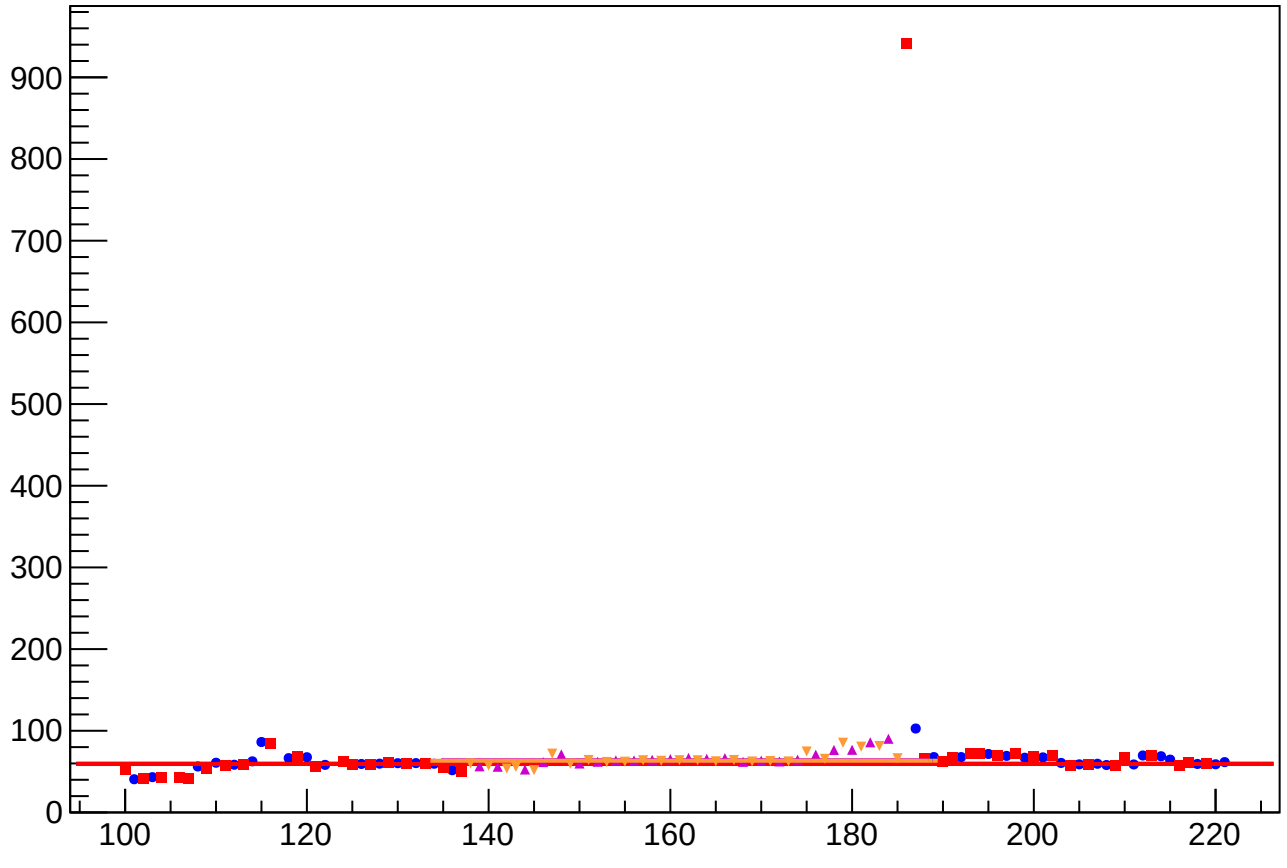
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 23.963+/-9.186 χ^2/NDF: 116.5/70

In: 26.293+/-9.782 χ^2/NDF:66.1/56

Out: 17.084+/-9.723 χ^2/NDF:107.9/61

All: 21.661+/-6.896 χ^2/NDF: 174.4/118



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: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

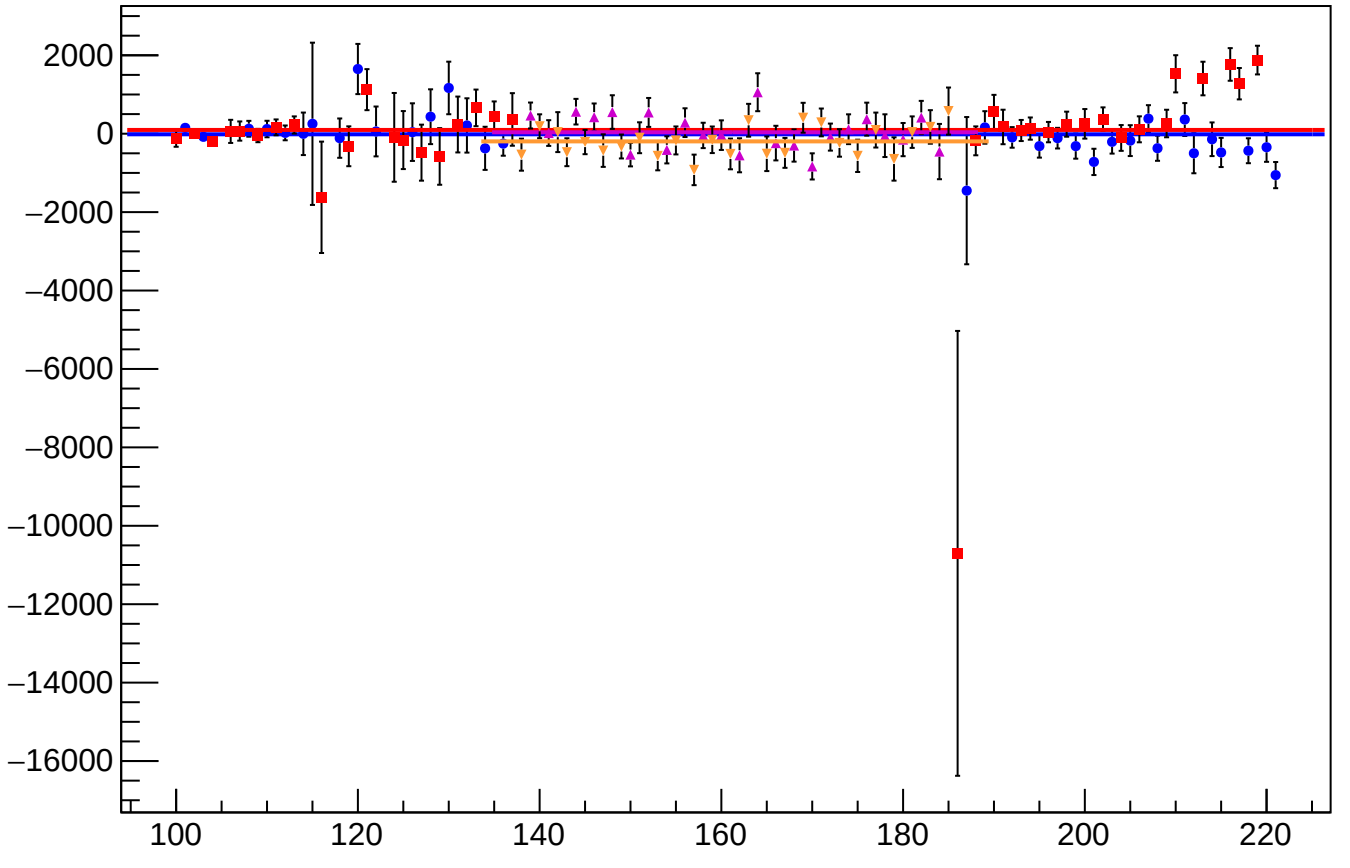
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.520+/-0.006 χ^2/NDF: 2585450.5/70

In: 61.497+/-0.007 χ^2/NDF:1399823.8/56

Out: 61.112+/-0.007 χ^2/NDF:2301011.9/61

All: 61.303+/-0.005 χ^2/NDF: 3702397.8/118



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: 95.920+/-43.084 χ^2/NDF: 98.2/36

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

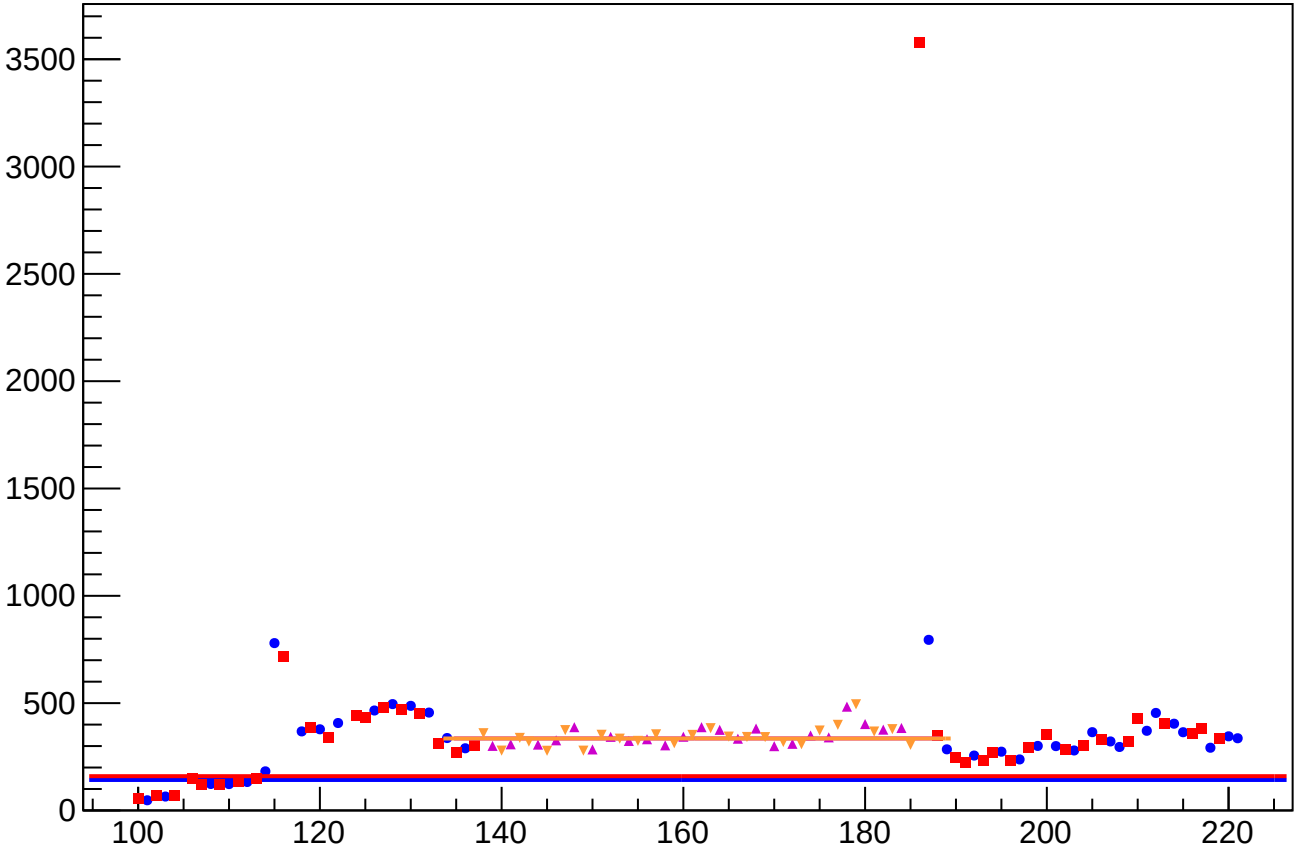
Right: 36.796+/-29.477 χ^2/NDF: 146.6/70

In: -4.564+/-36.001 χ^2/NDF:76.2/56

Out: 26.452+/-37.609 χ^2/NDF:129.8/61

All: 10.267+/-26.006 χ^2/NDF: 206.4/118

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: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

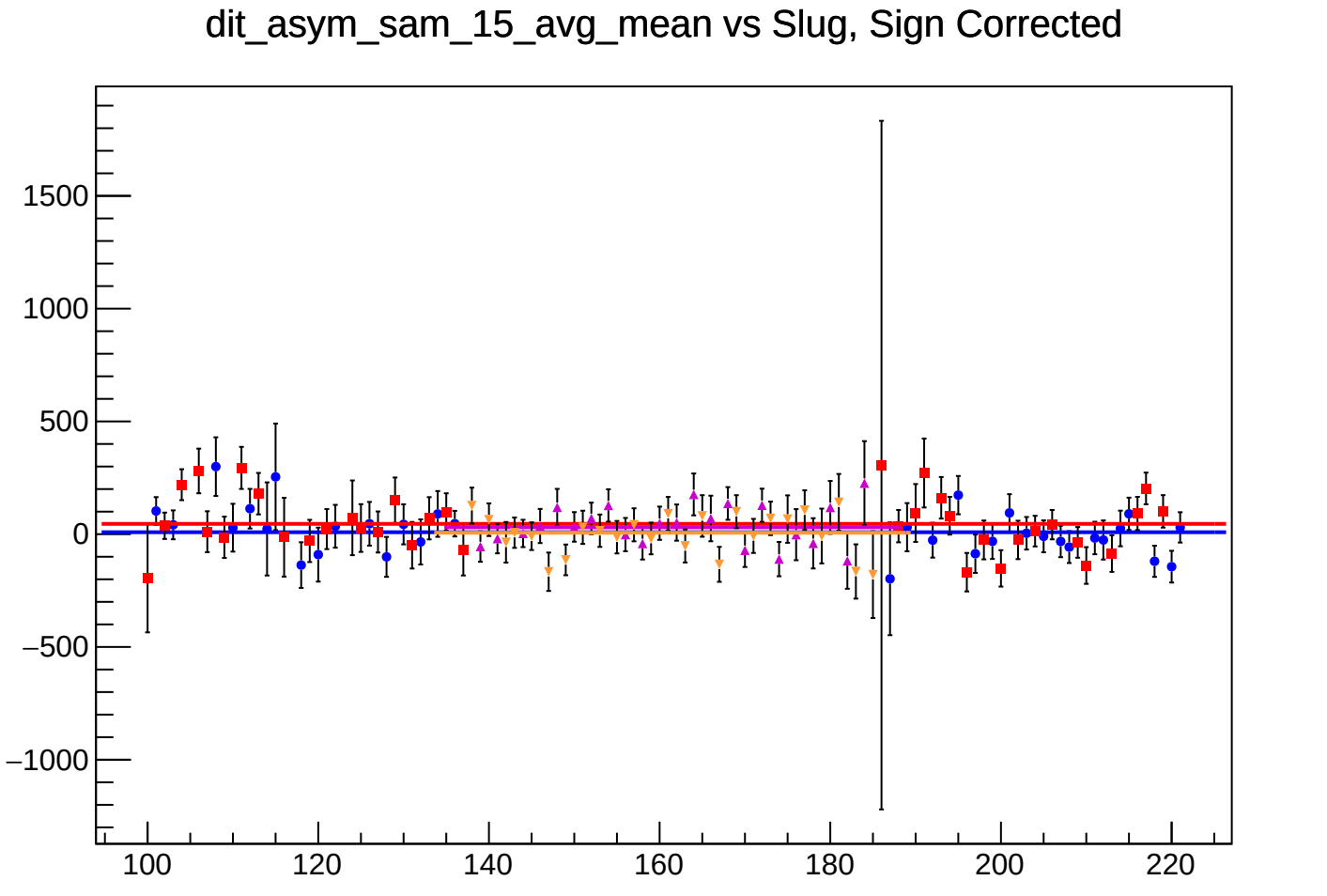
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 150.314+/-0.021 χ^2/NDF: 33333357.7/70

In: 182.024+/-0.025 χ^2/NDF:28293567.6/56

Out: 201.484+/-0.027 χ^2/NDF:23292643.5/61

All: 191.329+/-0.018 χ^2/NDF: 51865652.5/11



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: 45.785+/-14.398 χ^2/NDF: 60.5/36

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

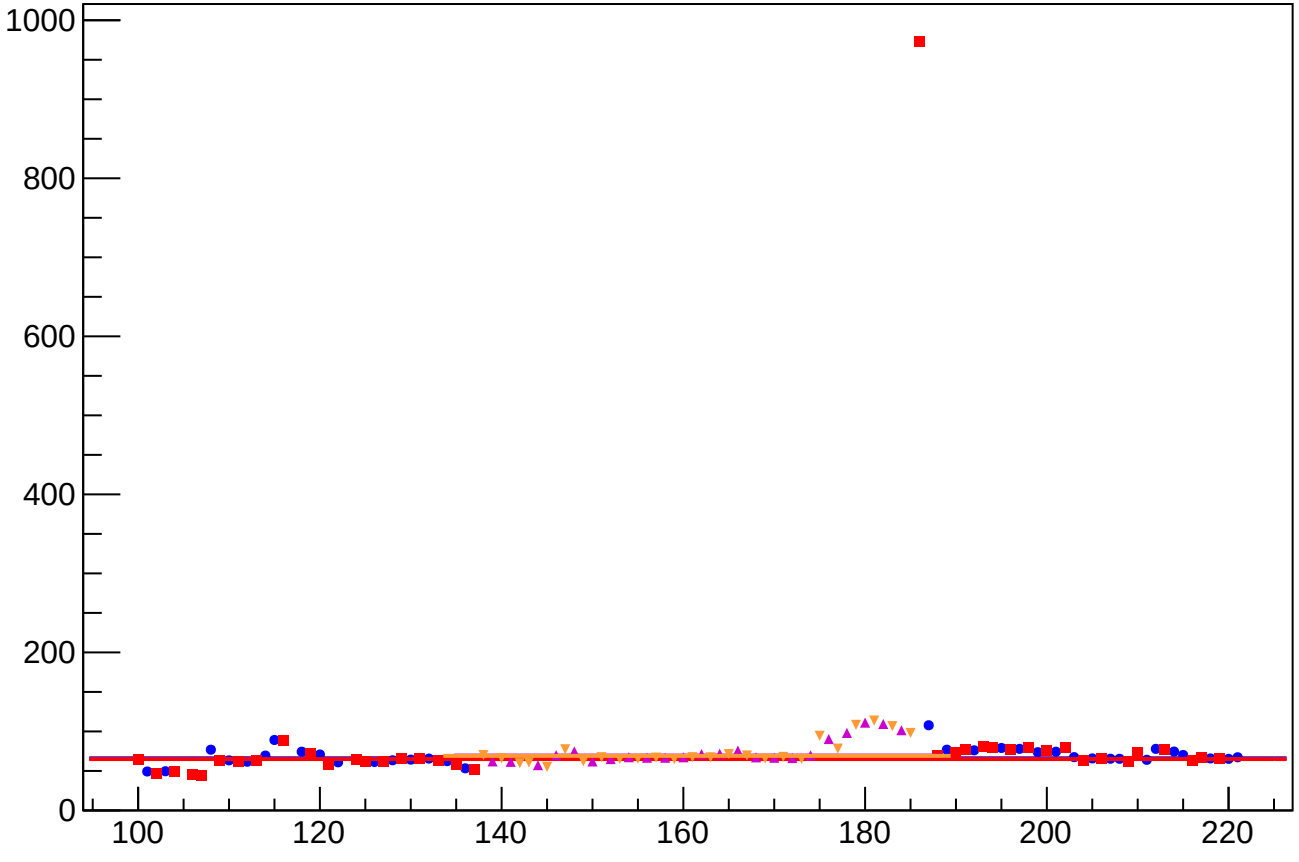
Right: 27.016+/-10.120 χ^2/NDF: 98.4/70

In: 18.057+/-10.776 χ^2/NDF:58.0/56

Out: 28.166+/-10.696 χ^2/NDF:88.9/61

All: 23.149+/-7.591 χ^2/NDF: 147.4/118

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 65.045+/-0.010 χ^2/NDF: 1712576.2/36

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

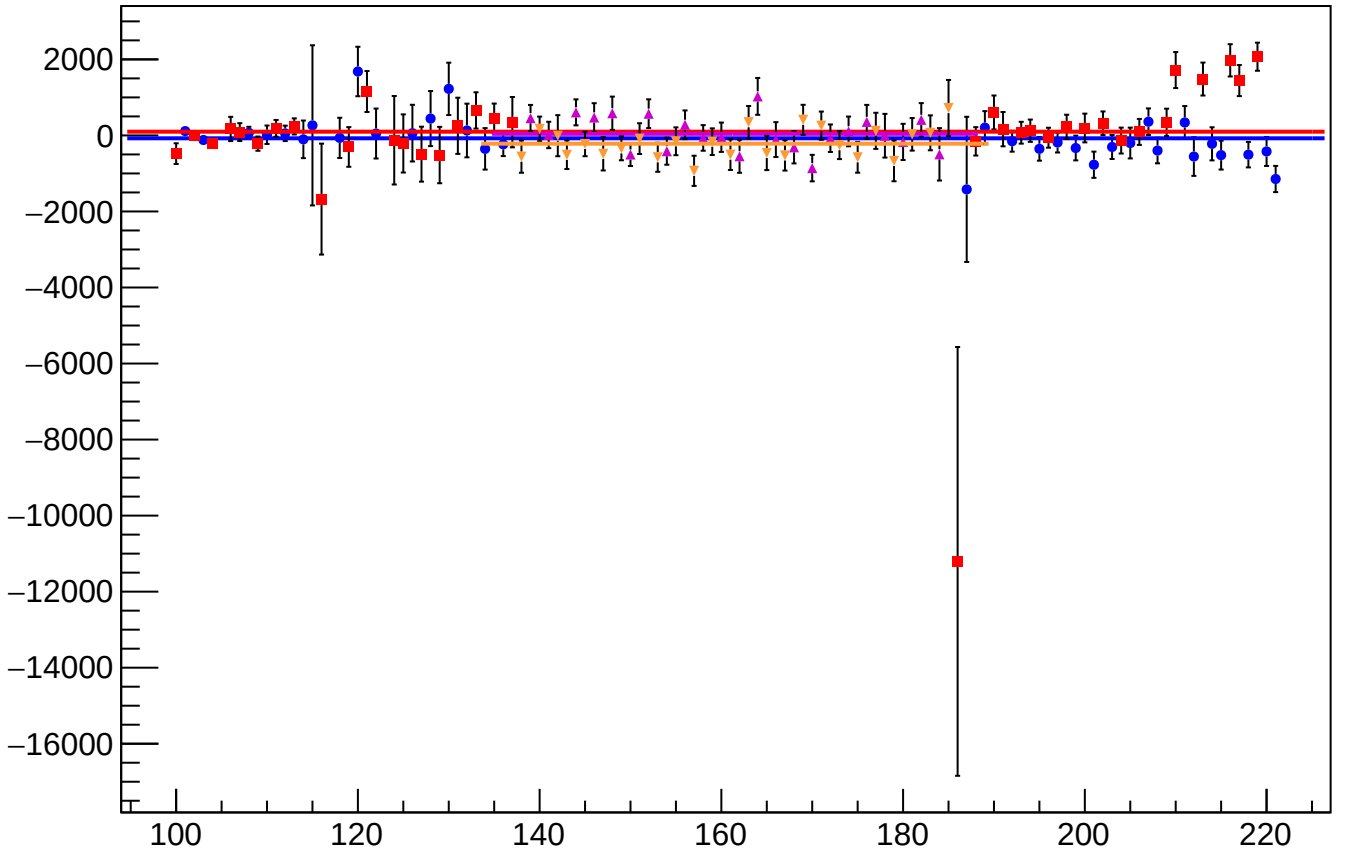
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 65.526+/-0.007 χ^2/NDF: 2475625.6/70

In: 67.462+/-0.008 χ^2/NDF:1733128.5/56

Out: 66.853+/-0.008 χ^2/NDF:2856917.5/61

All: 67.155+/-0.005 χ^2/NDF: 4593271.5/118



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: 98.234+/-45.203 χ^2/NDF: 117.3/36

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

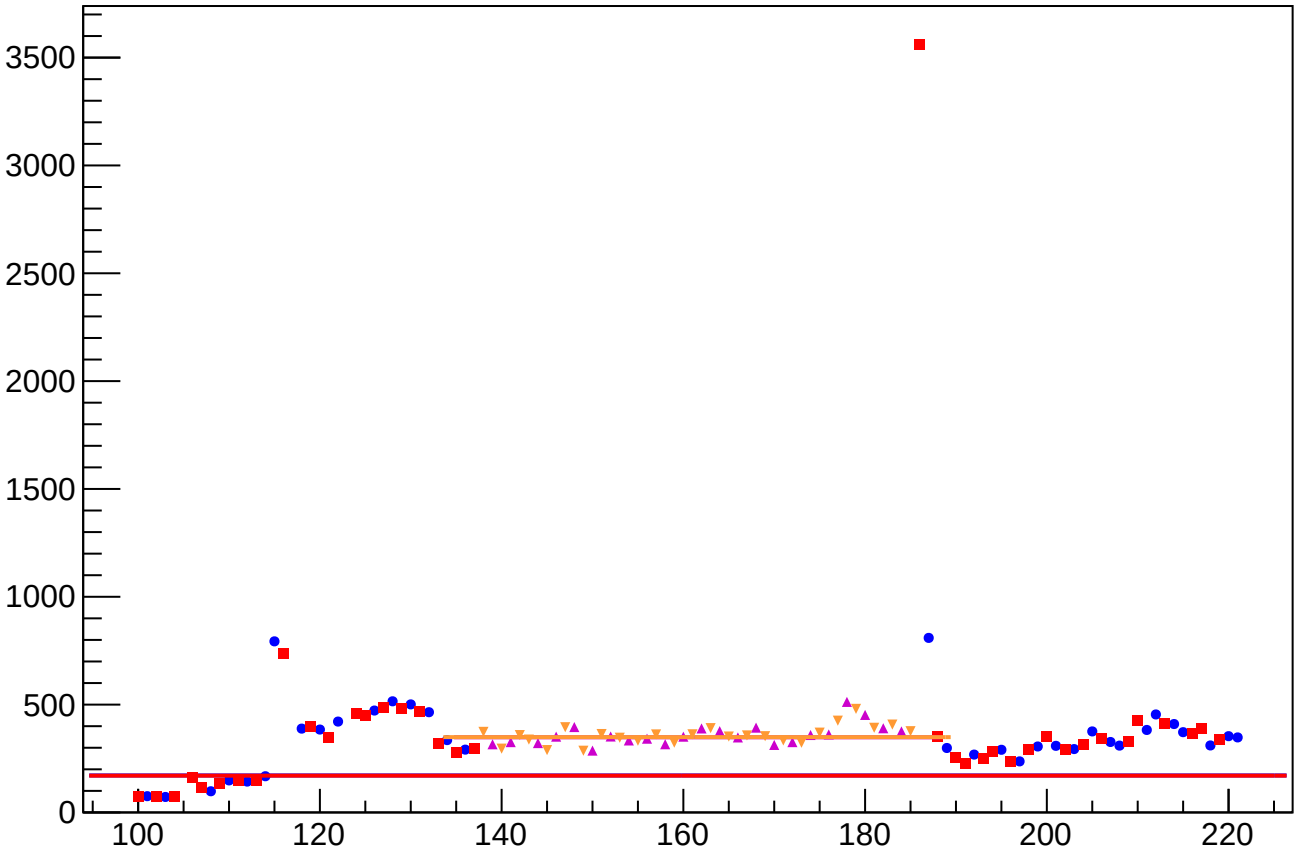
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: 11.314+/-31.976 χ^2/NDF: 167.7/70

In: -48.514+/-39.639 χ^2/NDF:74.5/56

Out: 22.055+/-39.371 χ^2/NDF:148.4/61

All: -12.990+/-27.934 χ^2/NDF: 224.5/118



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: 170.638+/-0.032 χ^2/NDF: 13987283.1/36

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

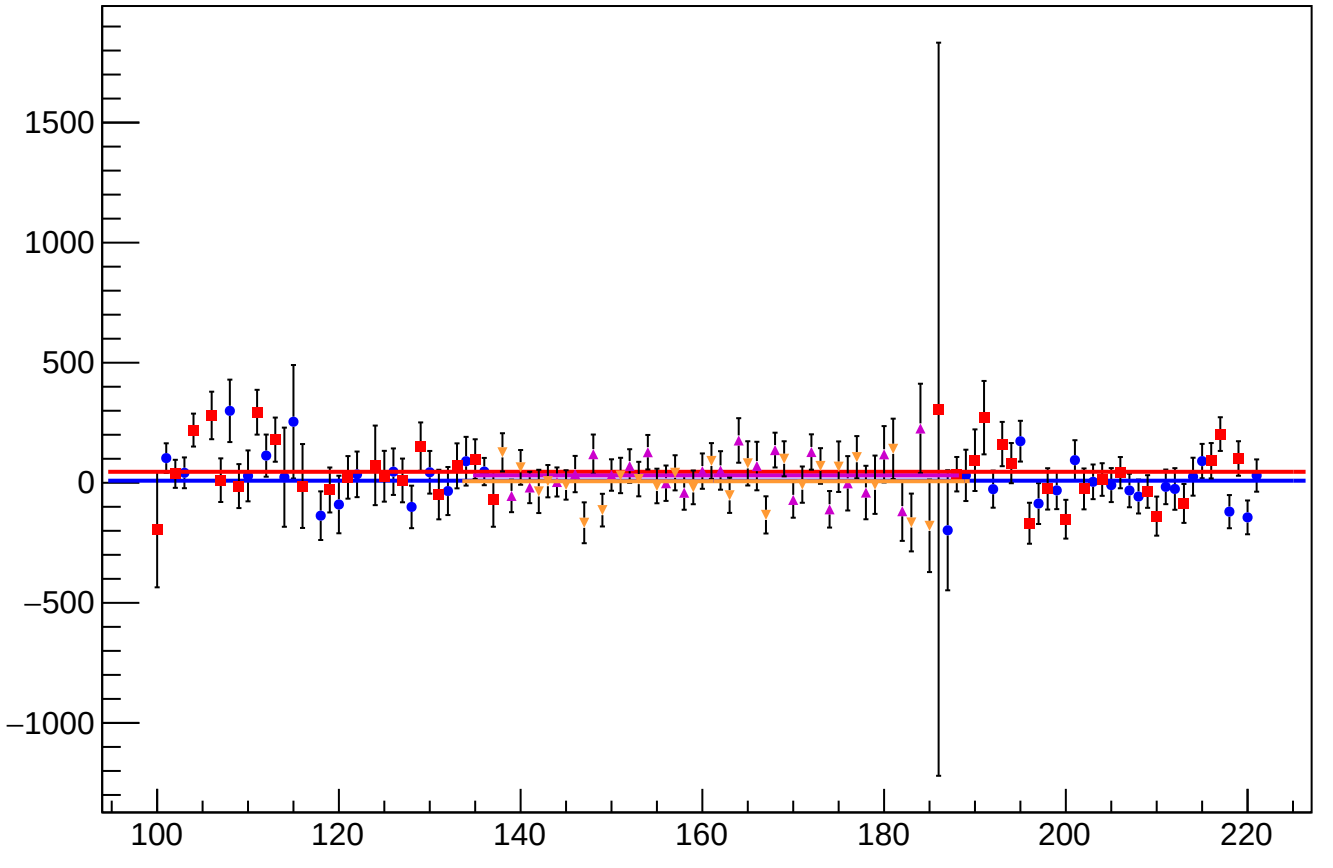
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 171.139+/-0.023 χ^2/NDF: 28840246.5/70

In: 212.726+/-0.028 χ^2/NDF:22481789.7/56

Out: 213.735+/-0.028 χ^2/NDF:22042978.6/61

All: 213.234+/-0.020 χ^2/NDF: 44525421.4/11



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: 45.784+/-14.398 χ^2/NDF: 60.5/36

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

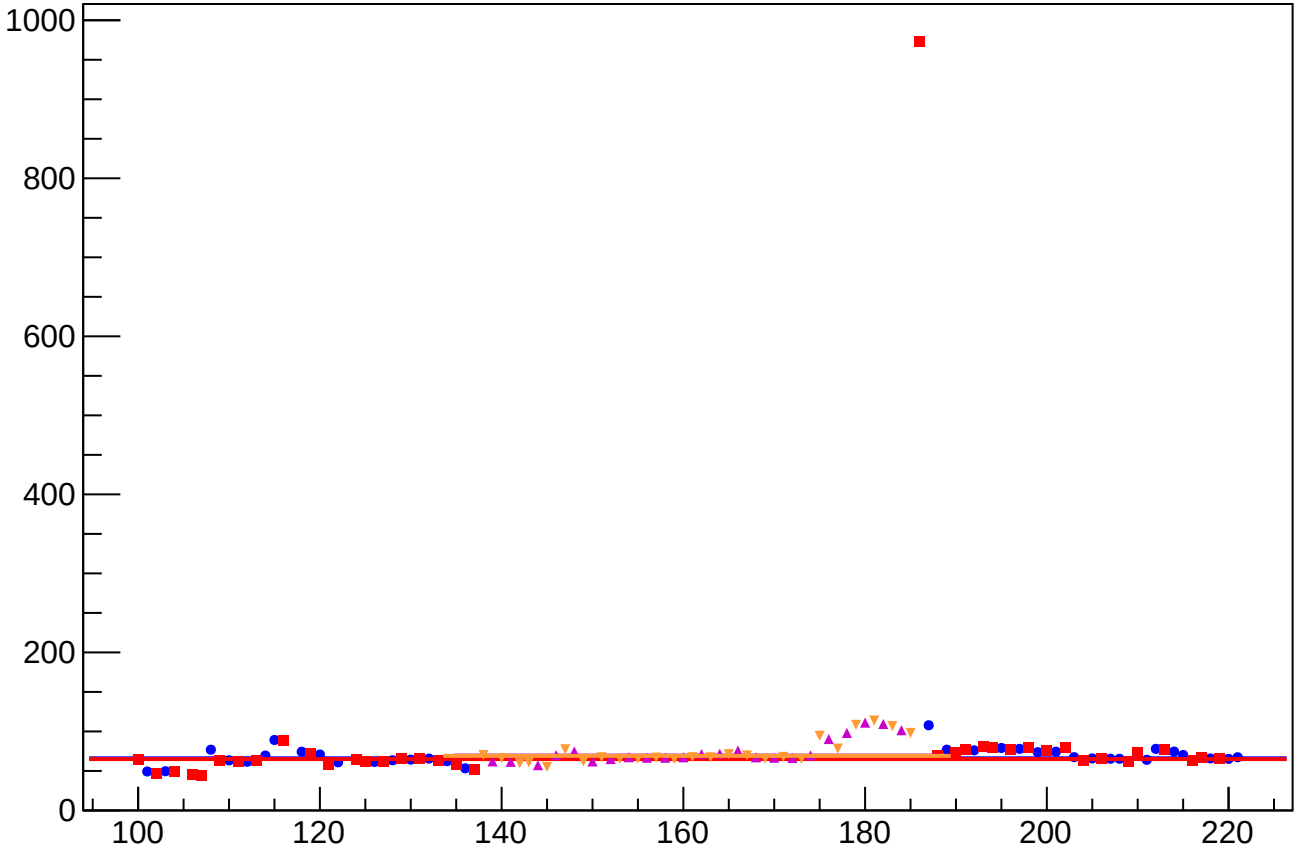
Right: 27.015+/-10.120 χ^2/NDF: 98.4/70

In: 18.057+/-10.776 χ^2/NDF:58.0/56

Out: 28.165+/-10.696 χ^2/NDF:88.9/61

All: 23.149+/-7.591 χ^2/NDF: 147.4/118

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: 65.045+/-0.010 χ^2/NDF: 1712574.7/36

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

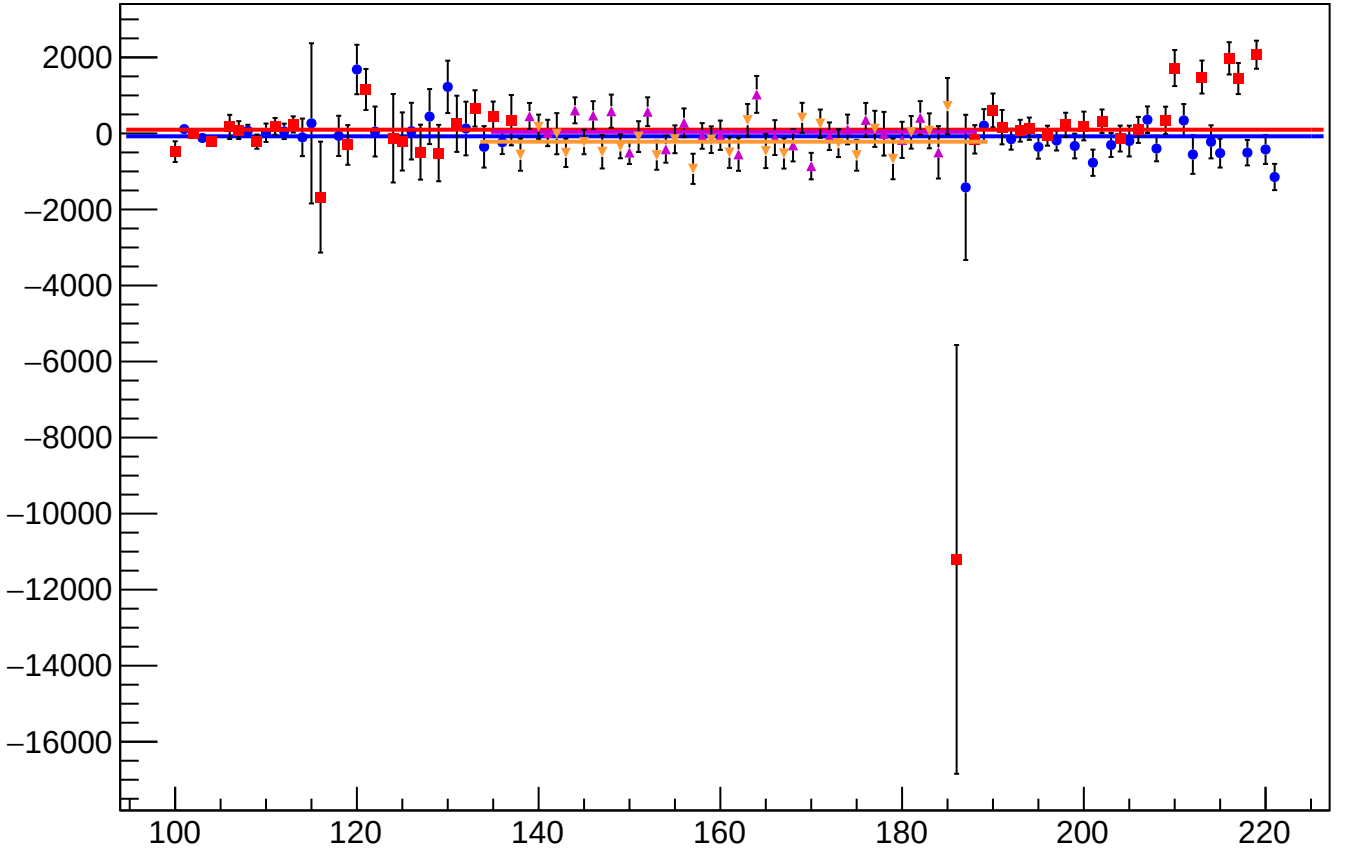
Right: 65.526+/-0.007 χ^2/NDF: 2475622.3/70

In: 67.462+/-0.008 χ^2/NDF:1733117.7/56

Out: 66.853+/-0.008 χ^2/NDF:2856904.5/61

All: 67.155+/-0.005 χ^2/NDF: 4593248.0/118

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: 98.233+/-45.203 χ^2/NDF: 117.3/36

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

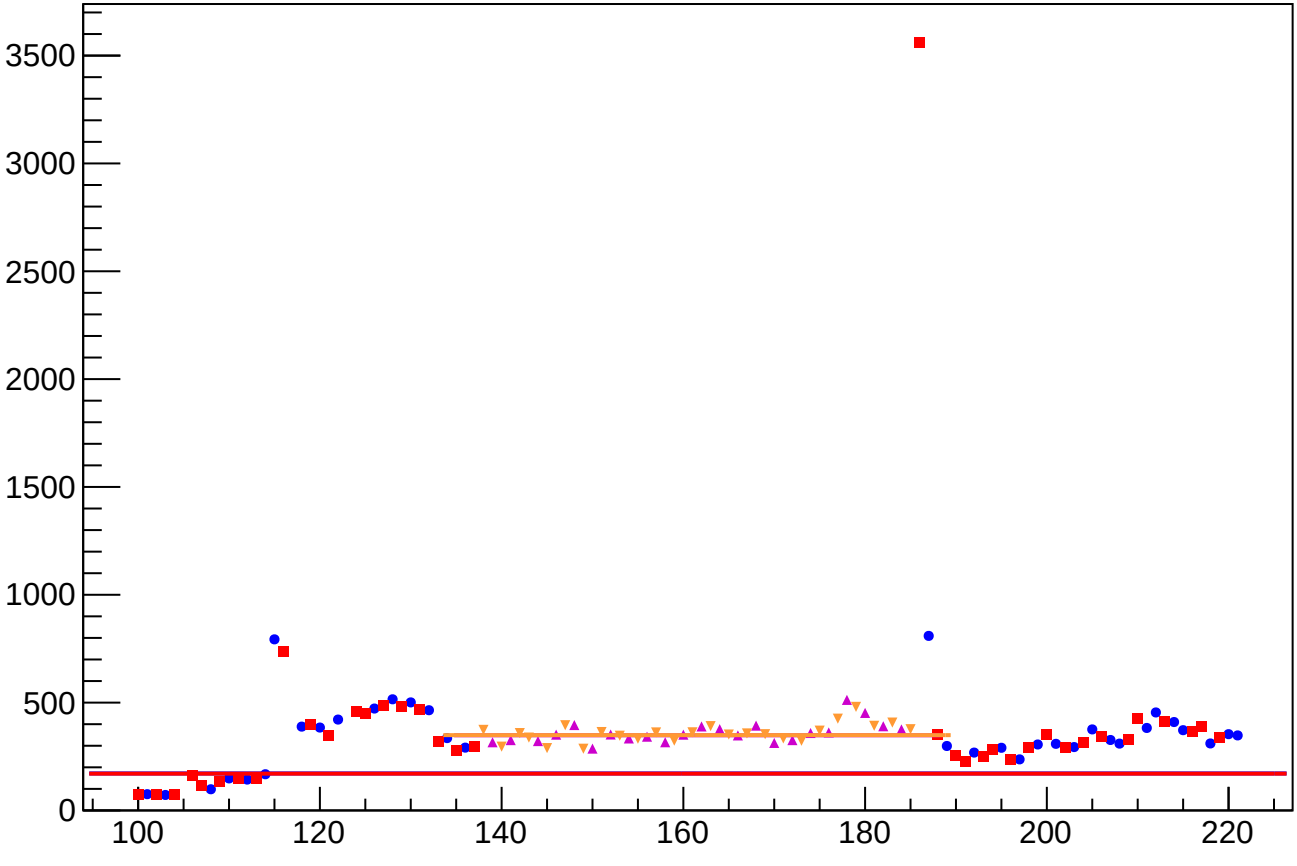
Right: 11.314+/-31.976 χ^2/NDF: 167.7/70

In: -48.514+/-39.639 χ^2/NDF:74.5/56

Out: 22.055+/-39.371 χ^2/NDF:148.4/61

All: -12.989+/-27.934 χ^2/NDF: 224.5/118

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: 170.637+/-0.032 χ^2/NDF: 13987325.6/36

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

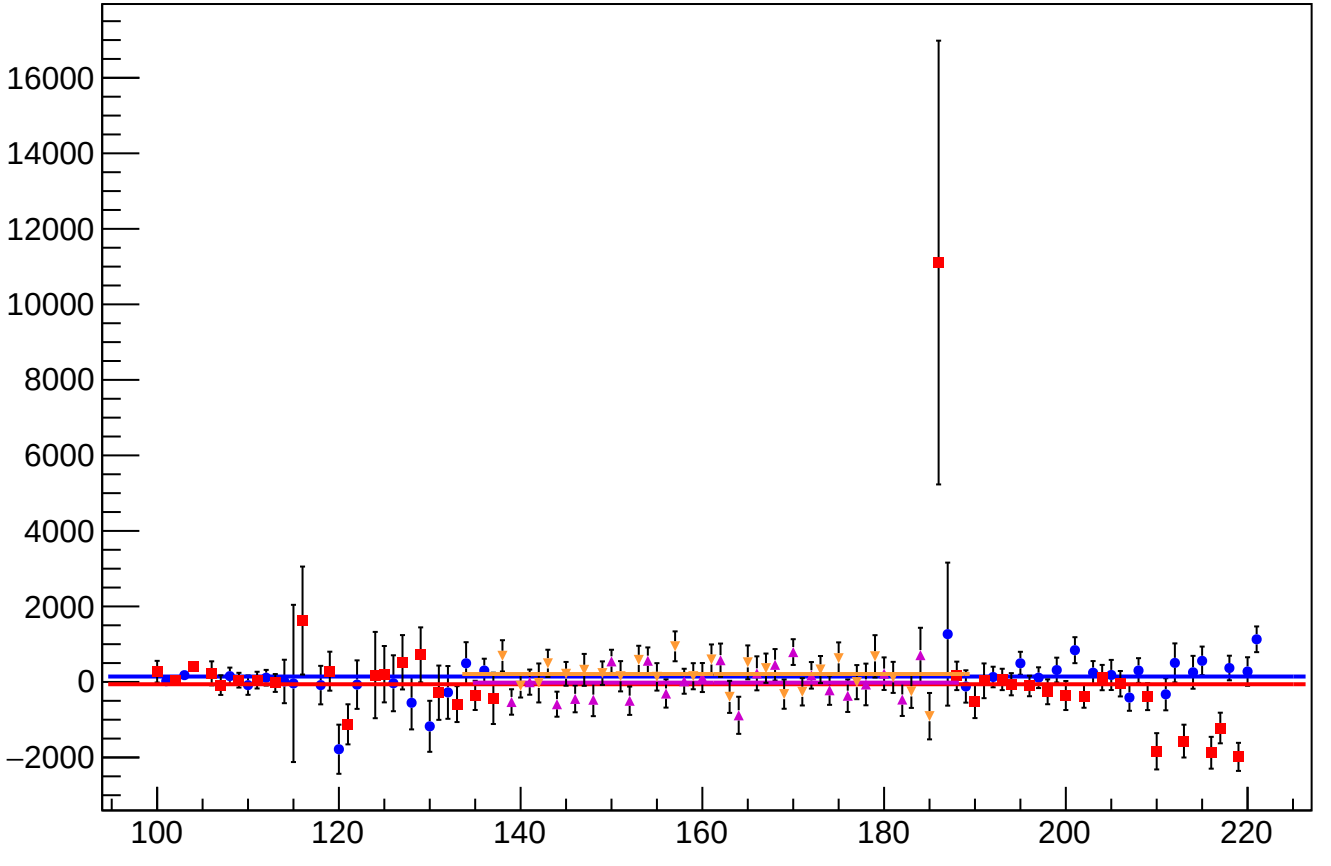
Right: 171.138+/-0.023 χ^2/NDF: 28840303.3/70

In: 212.726+/-0.028 χ^2/NDF:22481859.4/56

Out: 213.735+/-0.028 χ^2/NDF:22043085.9/61

All: 213.234+/-0.020 χ^2/NDF: 44525598.2/11

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: -60.918+/-48.068 χ^2/NDF: 118.3/36

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

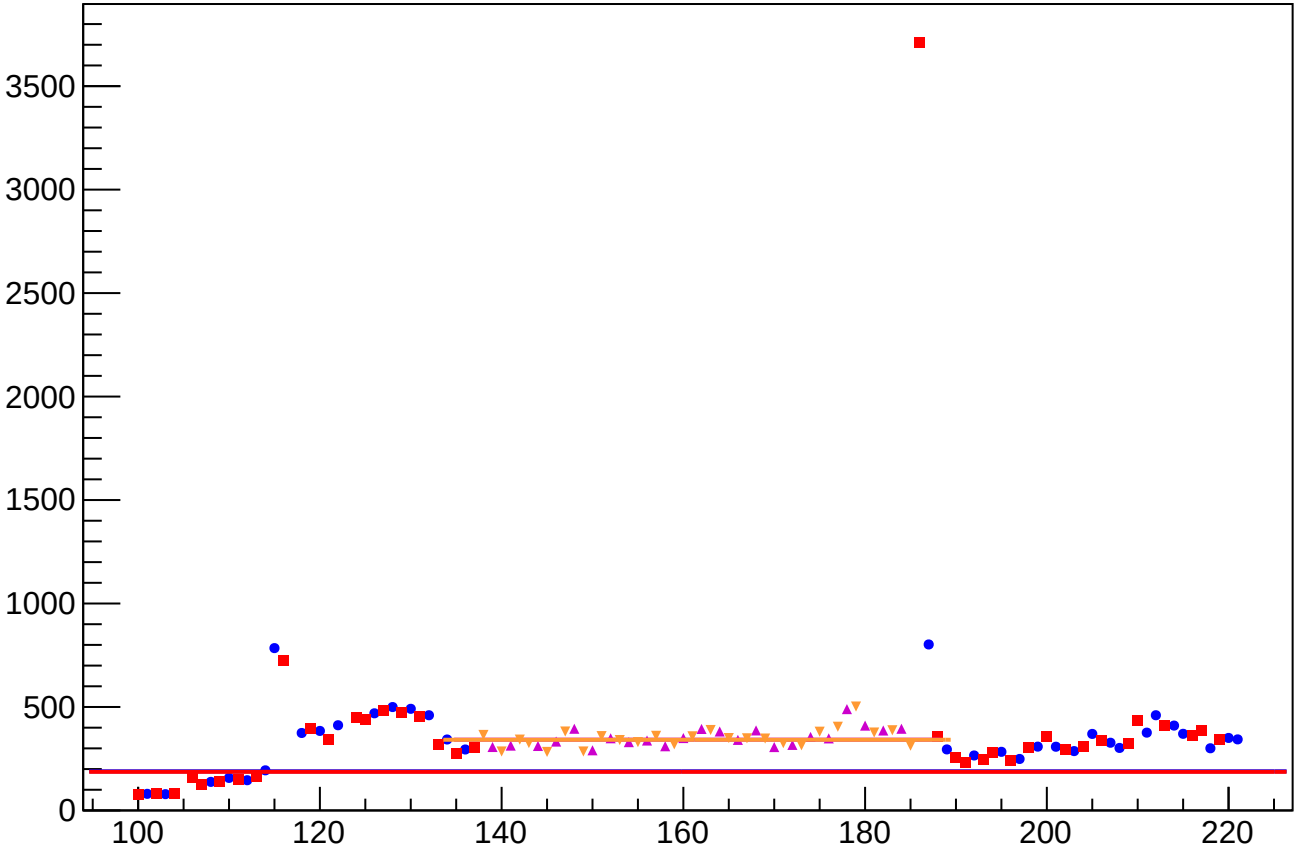
Right: 40.651+/-34.093 χ^2/NDF: 166.0/70

In: 100.603+/-41.483 χ^2/NDF:73.7/56

Out: 12.898+/-40.995 χ^2/NDF:148.4/61

All: 56.232+/-29.159 χ^2/NDF: 224.4/118

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: 186.674+/-0.034 χ^2/NDF: 12239118.8/36

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

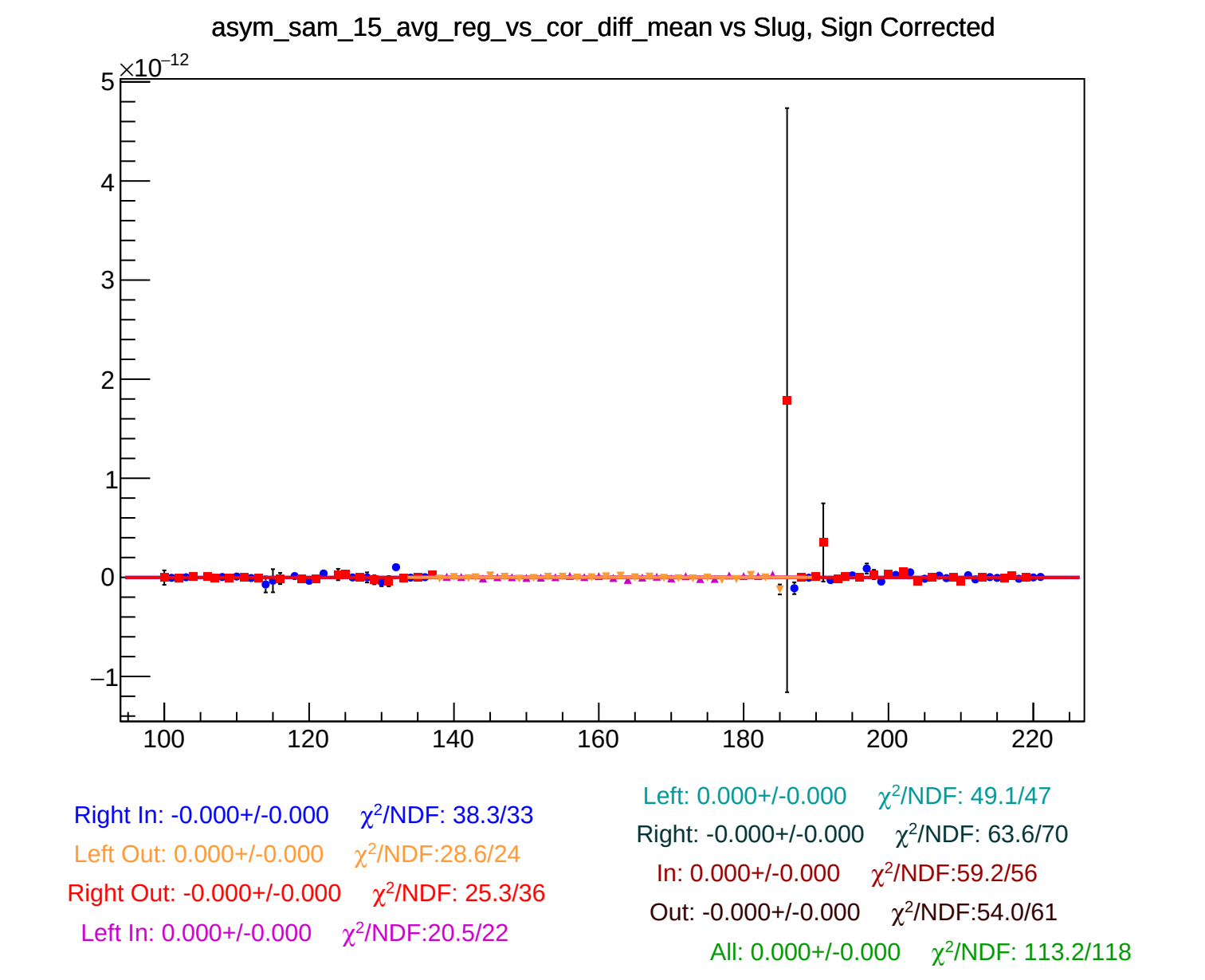
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 187.954+/-0.024 χ^2/NDF: 25087888.7/70

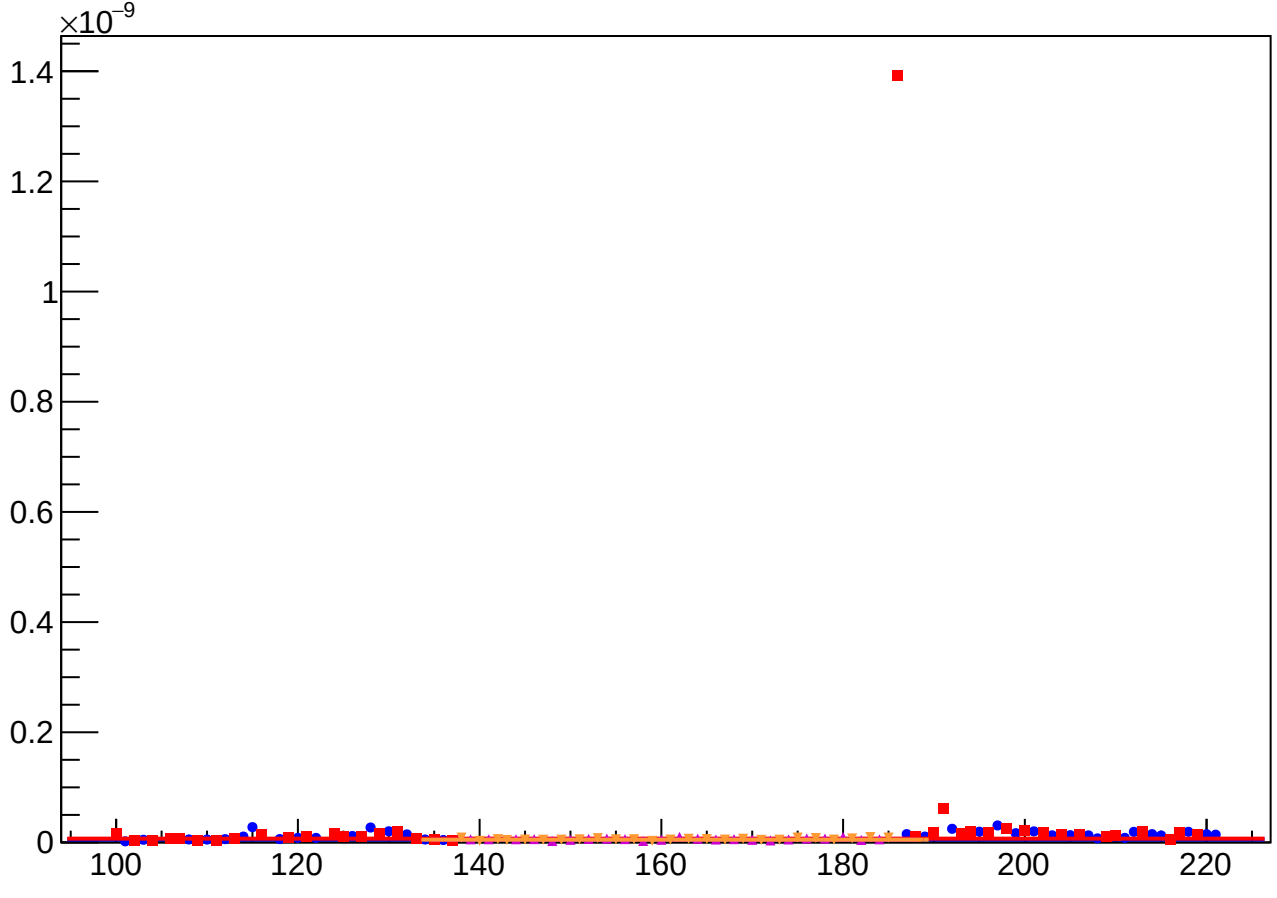
In: 229.598+/-0.029 χ^2/NDF:18599677.6/56

Out: 228.910+/-0.029 χ^2/NDF:18456741.1/61

All: 229.250+/-0.021 χ^2/NDF: 37056696.8/11


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 38.3/33
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.3/36
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 63.6/70
In: 0.000+/-0.000 χ²/NDF:59.2/56
Out: -0.000+/-0.000 χ²/NDF:54.0/61
All: 0.000+/-0.000 χ²/NDF: 113.2/118

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: 6203560.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

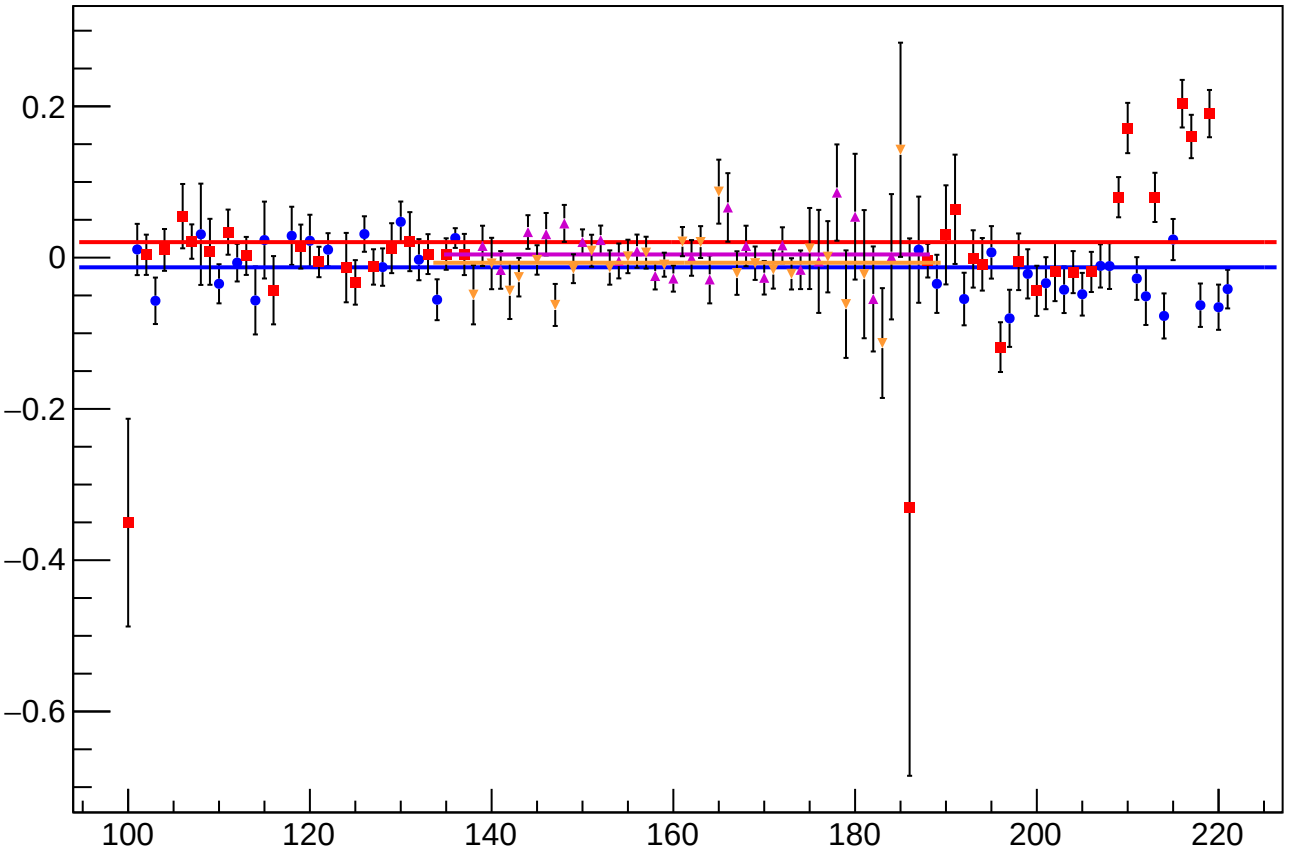
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15122810.2/70

In: 0.000+/-0.000 χ^2/NDF:9818164.3/56

Out: 0.000+/-0.000 χ^2/NDF:8104252.1/61

All: 0.000+/-0.000 χ^2/NDF: 18025994.7/118



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: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

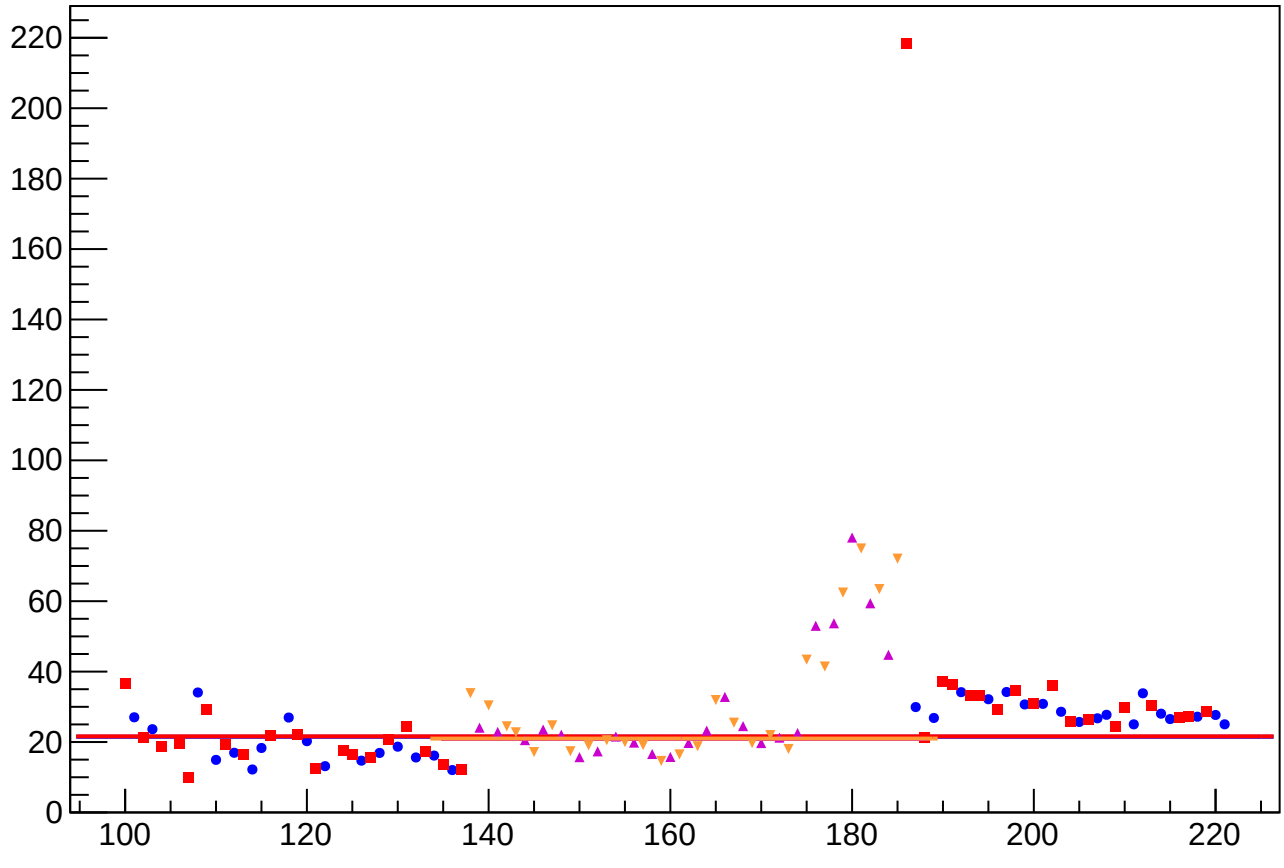
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.003+/-0.004 χ^2/NDF: 241.5/70

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.001+/-0.003 χ^2/NDF: 289.5/118



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: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

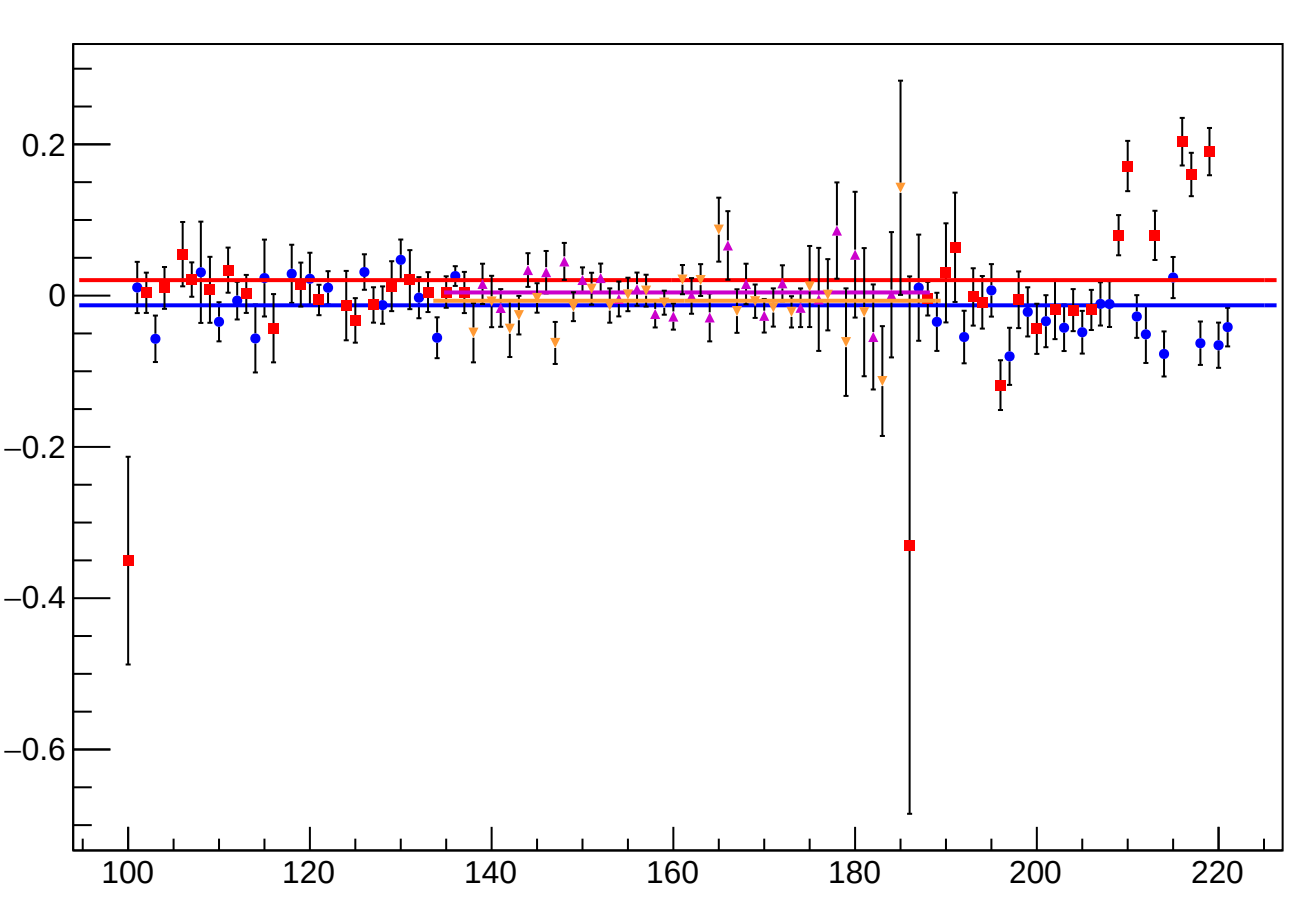
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.555+/-0.002 χ^2/NDF: 8781790.4/70

In: 21.205+/-0.003 χ^2/NDF:7756948.7/56

Out: 21.307+/-0.003 χ^2/NDF:9056664.6/61

All: 21.256+/-0.002 χ^2/NDF: 16814402.5/118



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: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

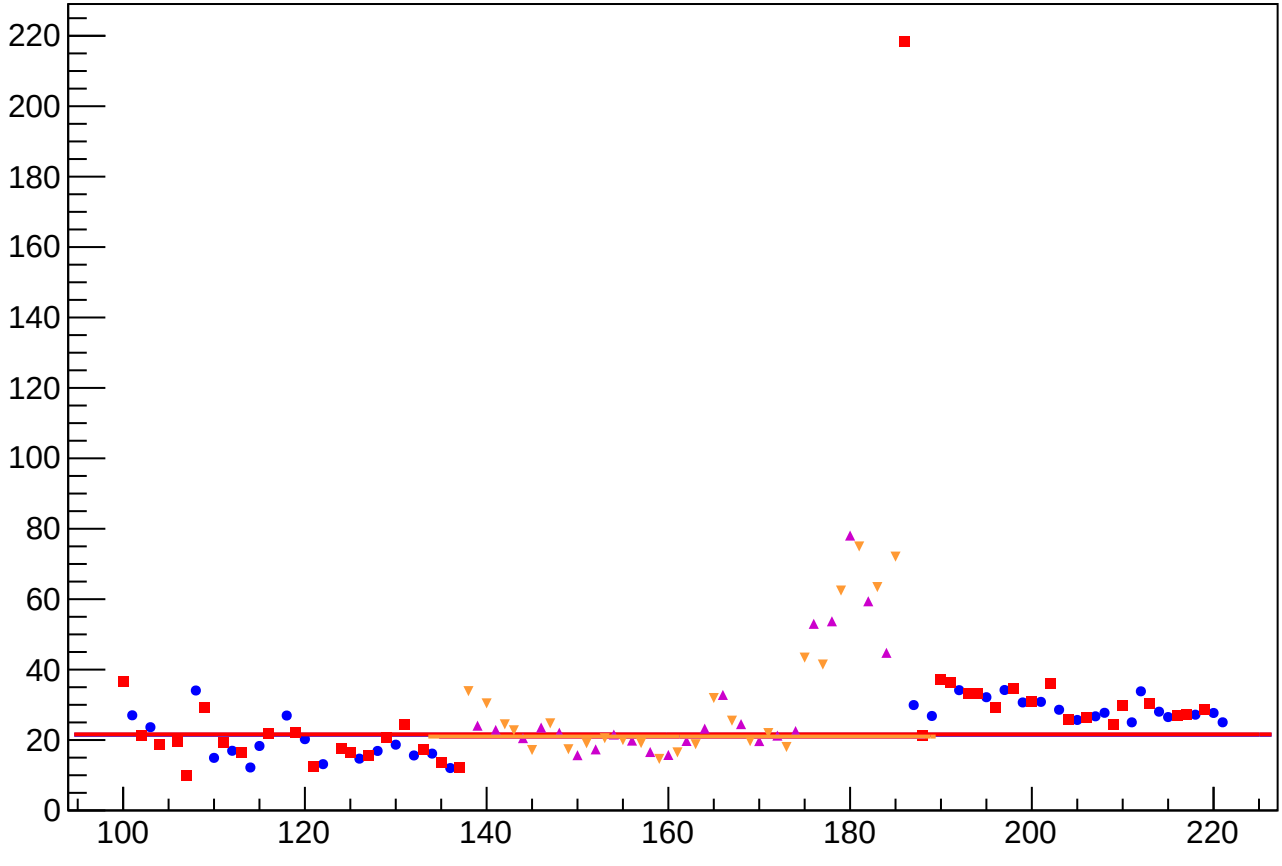
Right: 0.003+/-0.004 χ^2/NDF: 241.5/70

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.001+/-0.003 χ^2/NDF: 289.5/118

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: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

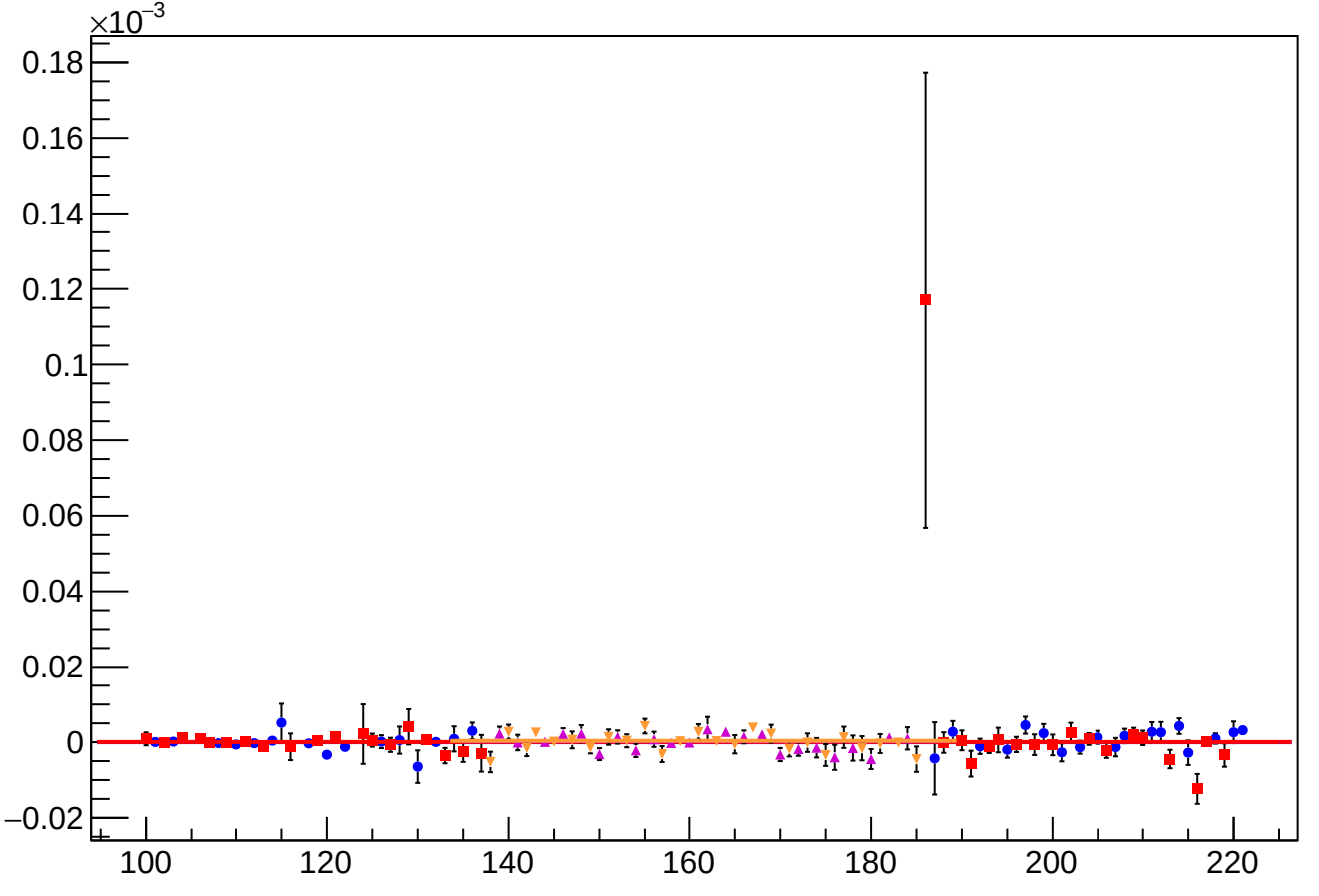
Right: 21.555+/-0.002 χ^2/NDF: 8781790.4/70

In: 21.205+/-0.003 χ^2/NDF:7756948.7/56

Out: 21.307+/-0.003 χ^2/NDF:9056664.6/61

All: 21.256+/-0.002 χ^2/NDF: 16814402.5/118

asym_sam_15_avg_eigen_dit_vs_dit_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:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

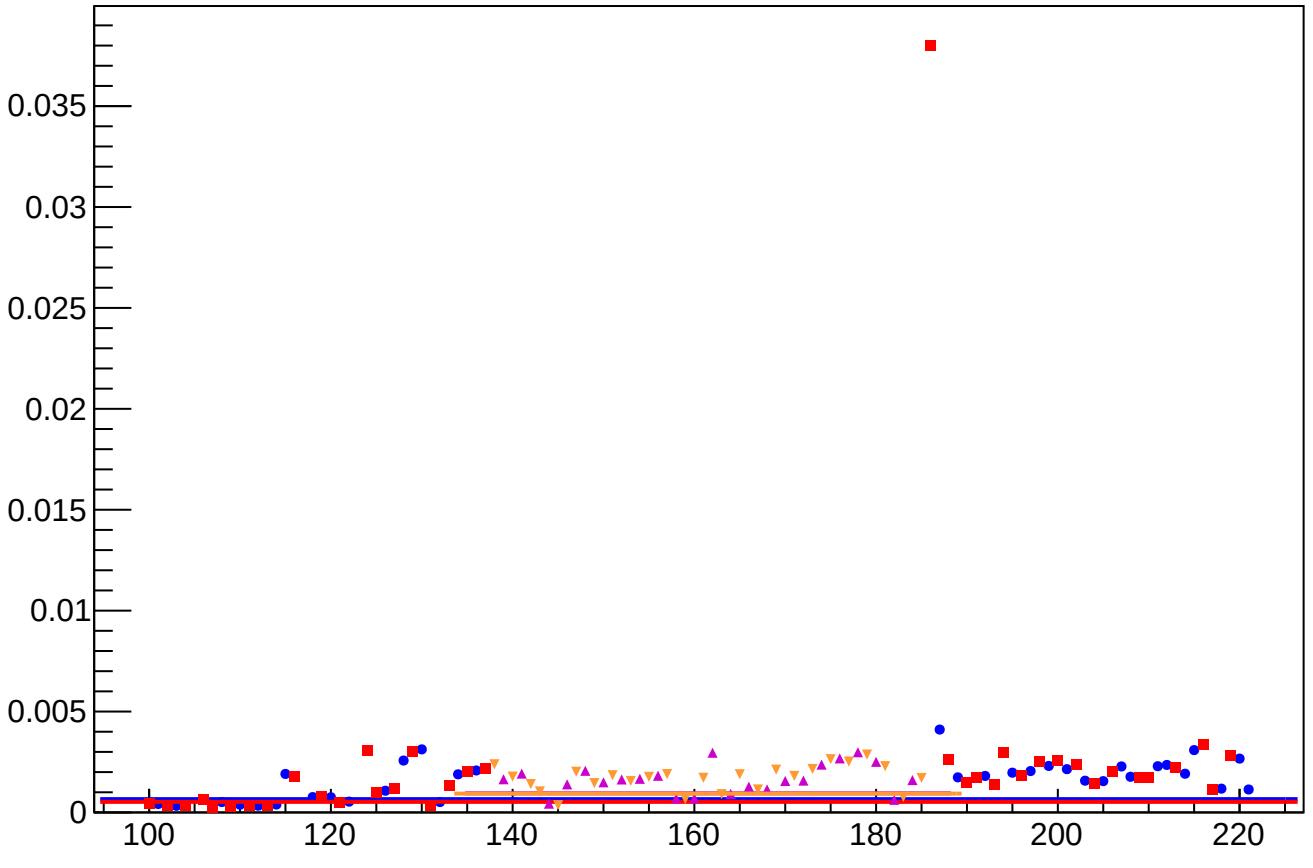
Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

Right: 0.000+/-0.000 χ^2/NDF: 87.7/70

In: 0.000+/-0.000 χ^2/NDF:73.7/56

Out: 0.000+/-0.000 χ^2/NDF:81.4/61

All: 0.000+/-0.000 χ^2/NDF: 155.2/118



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: 20615922.5/36

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

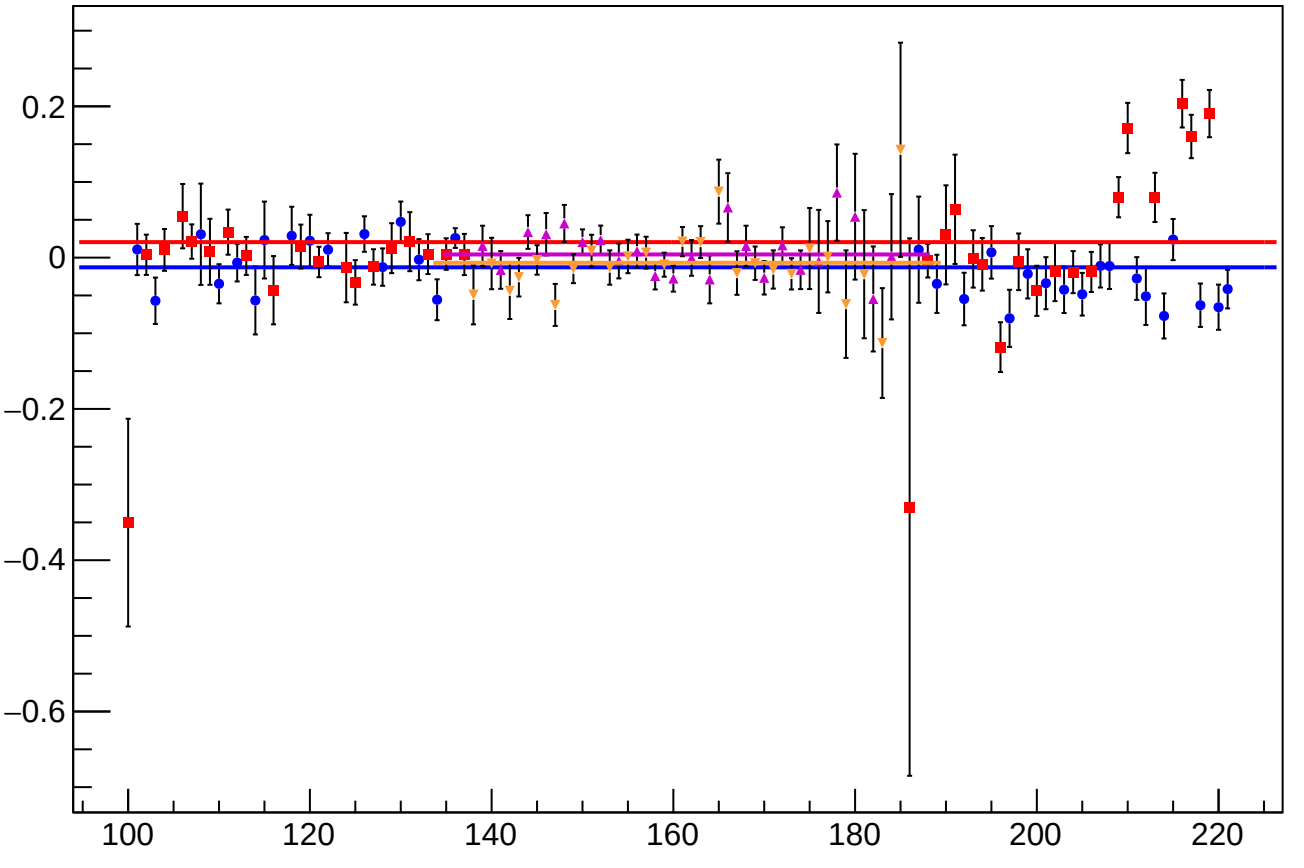
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 39065707.5/70

In: 0.001+/-0.000 χ^2/NDF:28913475.4/56

Out: 0.001+/-0.000 χ^2/NDF:36111147.2/61

All: 0.001+/-0.000 χ^2/NDF: 65682532.6/118



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: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

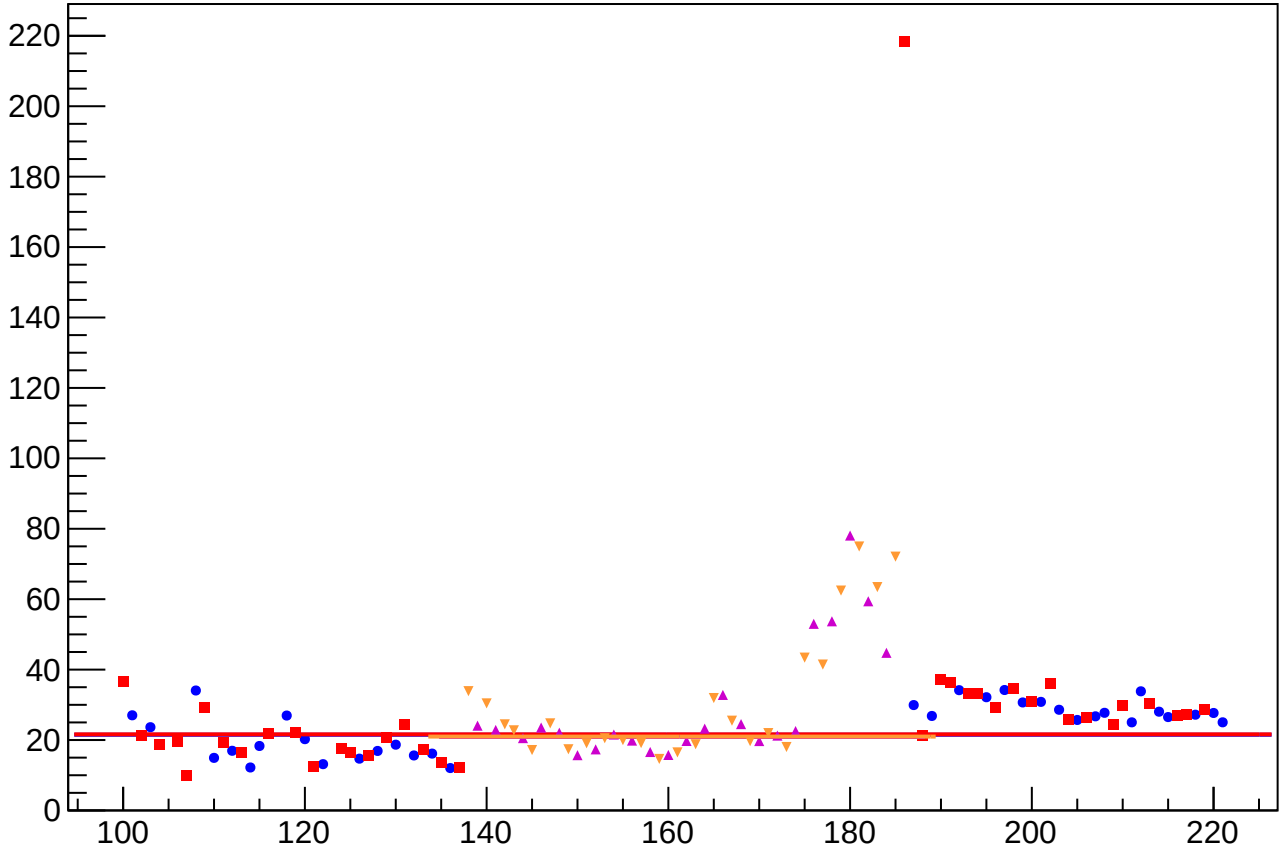
Right: 0.003+/-0.004 χ^2/NDF: 241.5/70

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.001+/-0.003 χ^2/NDF: 289.5/118

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: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

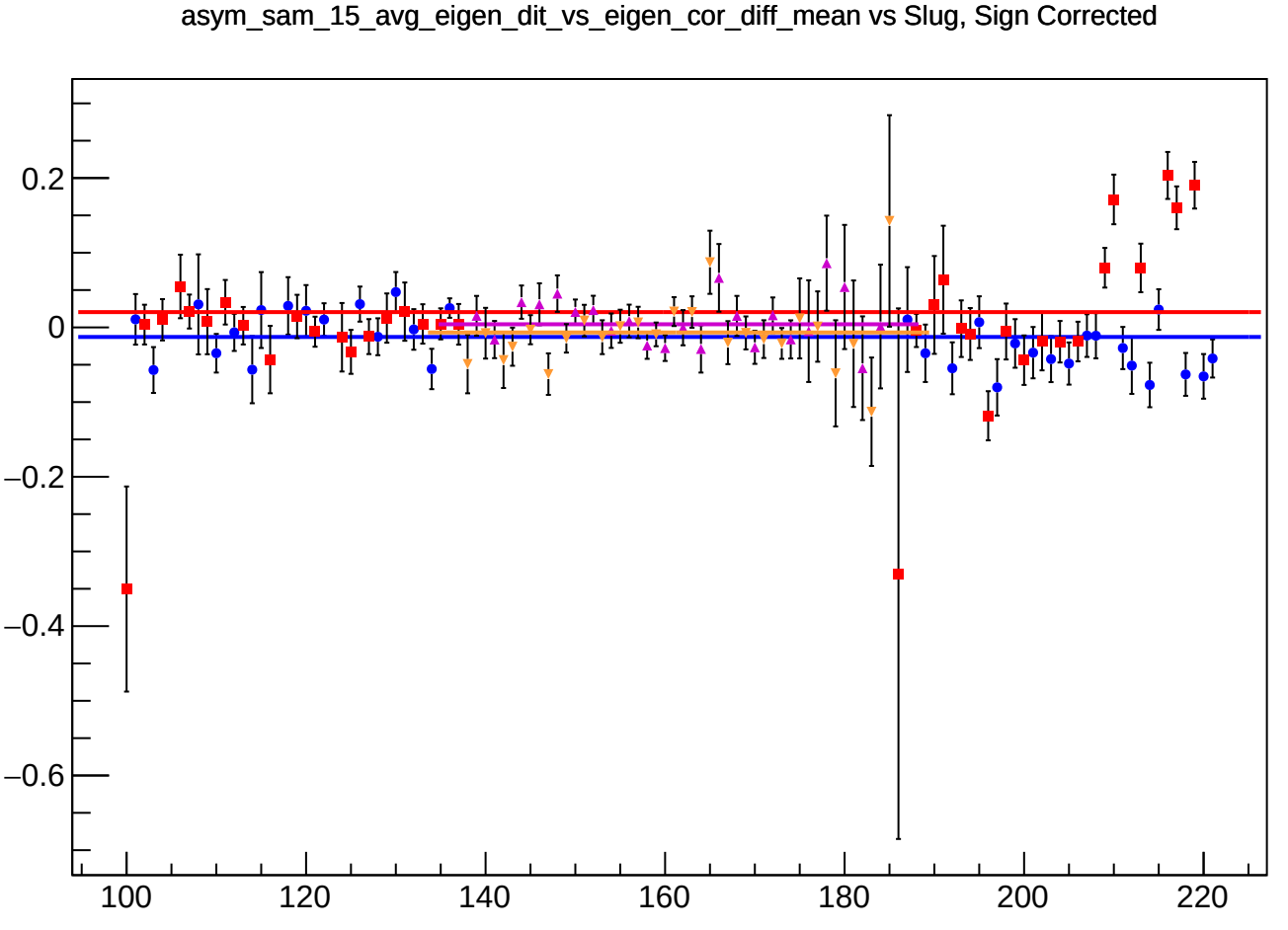
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.555+/-0.002 χ^2/NDF: 8781776.1/70

In: 21.205+/-0.003 χ^2/NDF:7756962.3/56

Out: 21.307+/-0.003 χ^2/NDF:9056622.1/61

All: 21.256+/-0.002 χ^2/NDF: 16814373.7/118



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: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

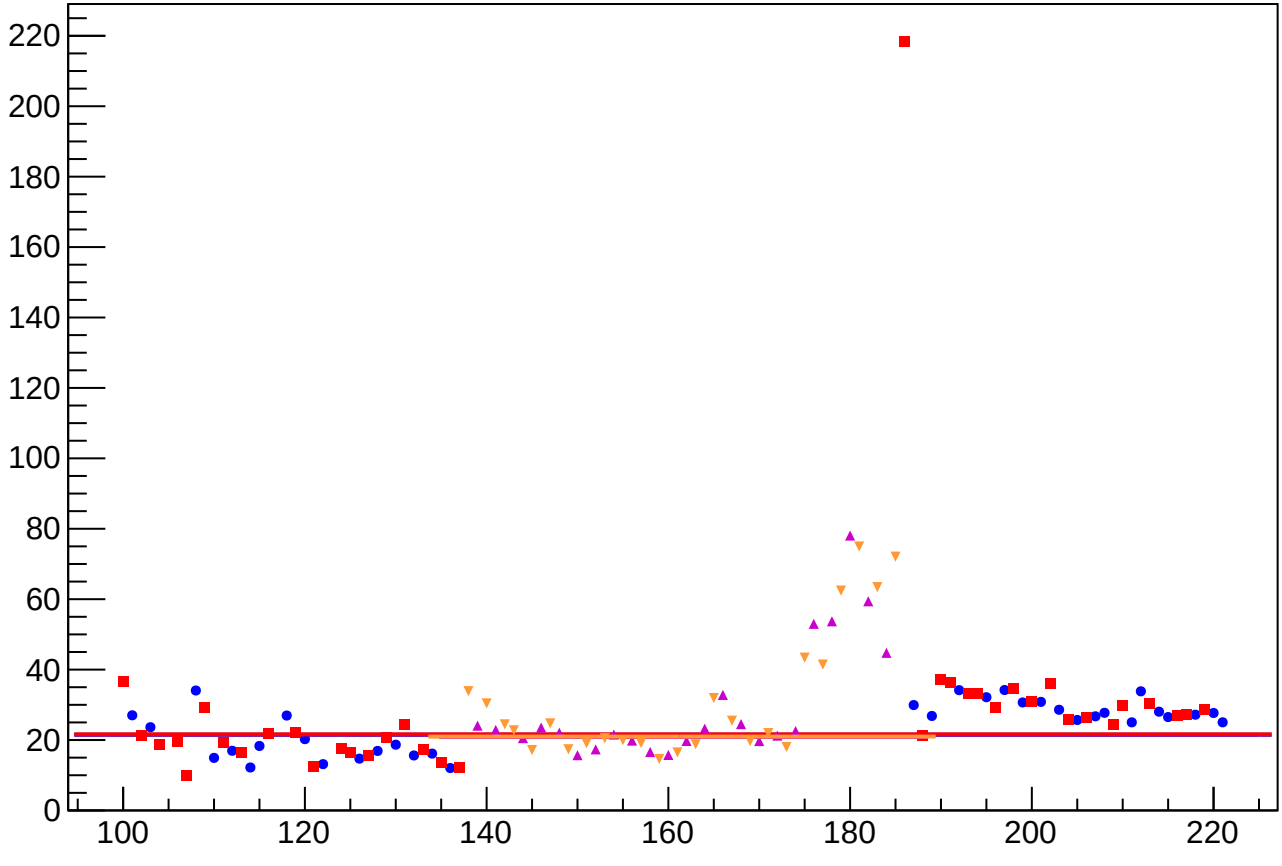
Right: 0.003+/-0.004 χ^2/NDF: 241.5/70

In: -0.005+/-0.004 χ^2/NDF:80.8/56

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.001+/-0.003 χ^2/NDF: 289.5/118

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: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

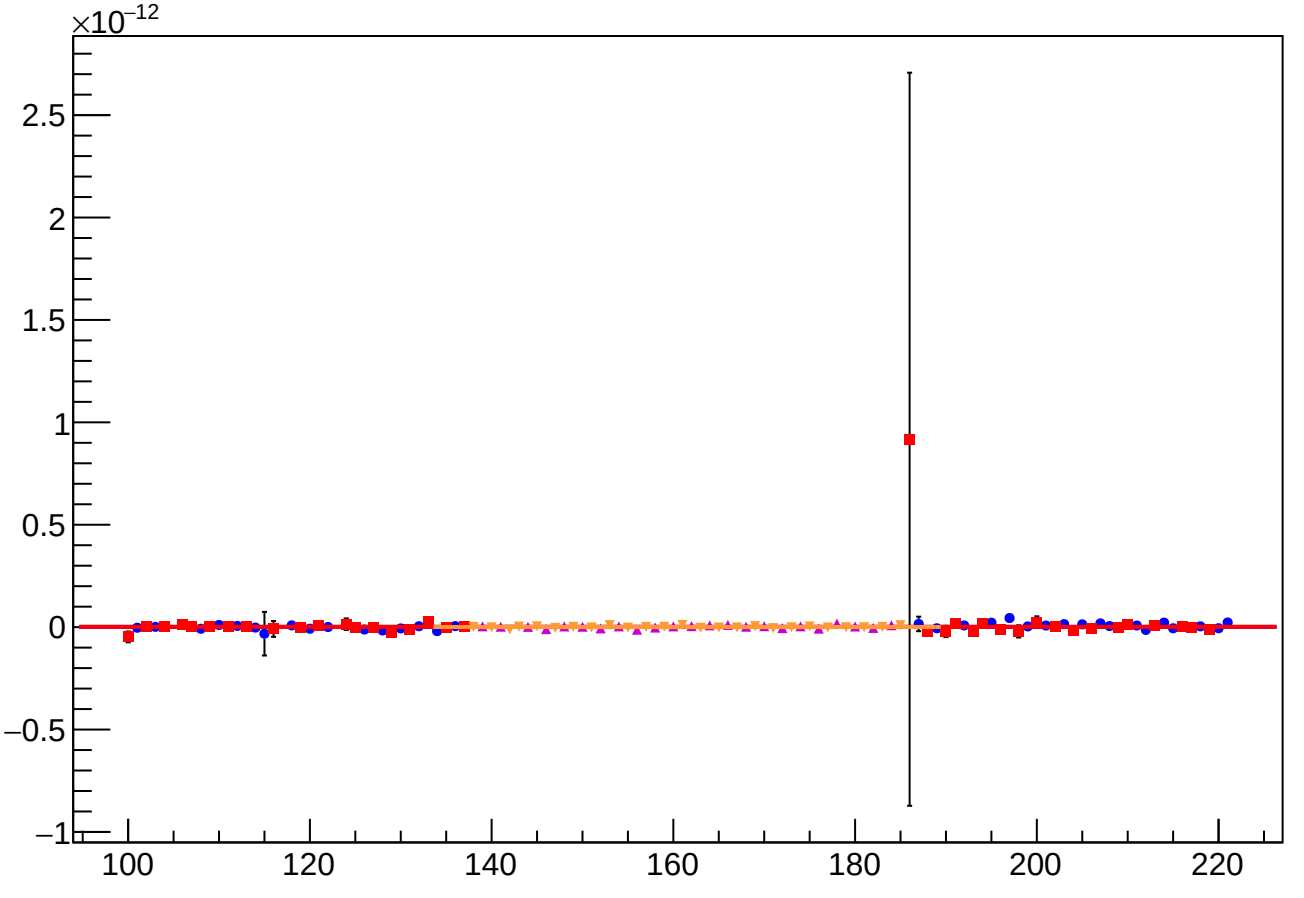
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.555+/-0.002 χ^2/NDF: 8781776.1/70

In: 21.205+/-0.003 χ^2/NDF:7756962.3/56

Out: 21.307+/-0.003 χ^2/NDF:9056622.1/61

All: 21.256+/-0.002 χ^2/NDF: 16814373.7/118



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: 27.9/36

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

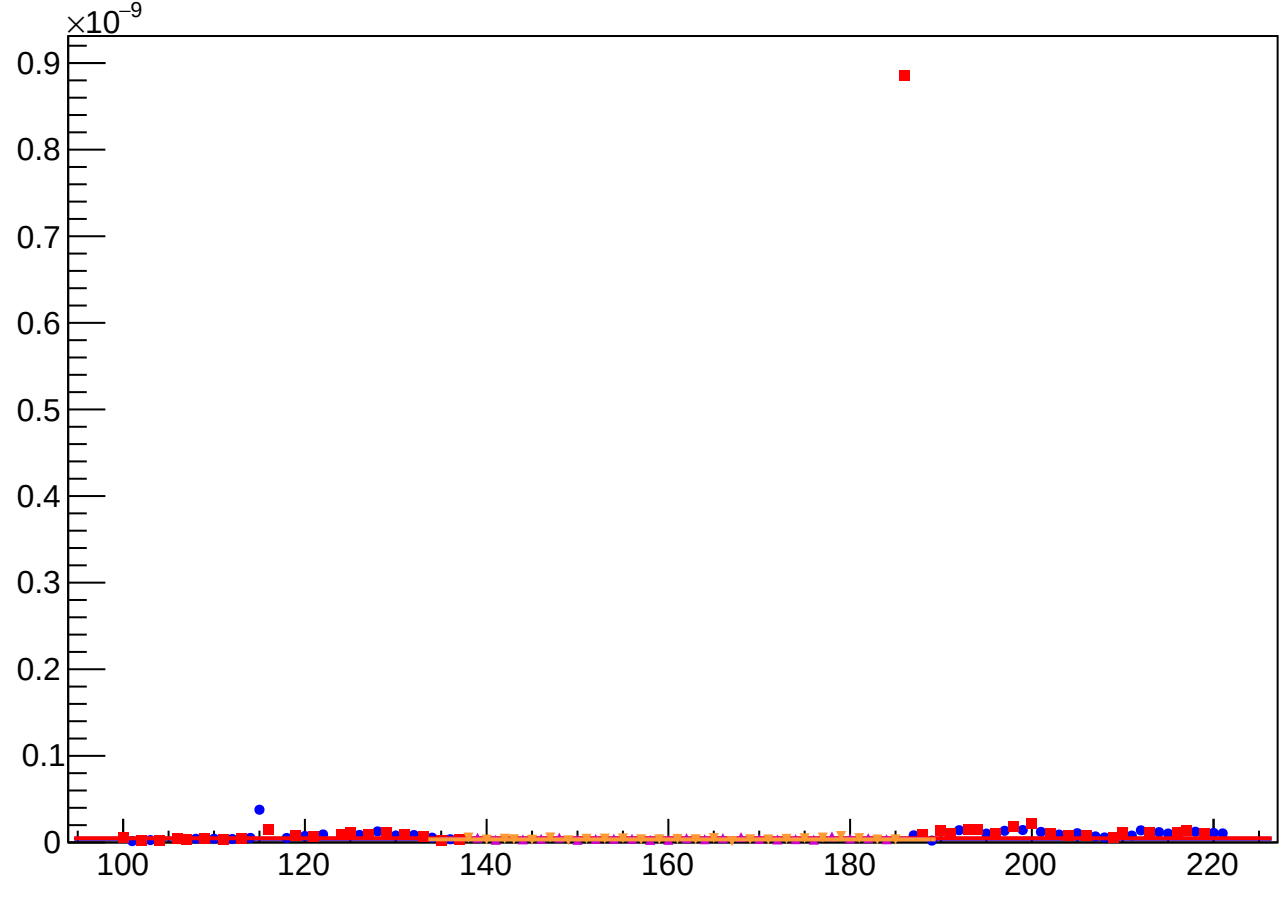
Right: 0.000+/-0.000 χ^2/NDF: 60.2/70

In: 0.000+/-0.000 χ^2/NDF:58.9/56

Out: 0.000+/-0.000 χ^2/NDF:42.7/61

All: 0.000+/-0.000 χ^2/NDF: 101.6/118

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: 9796801.5/36

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

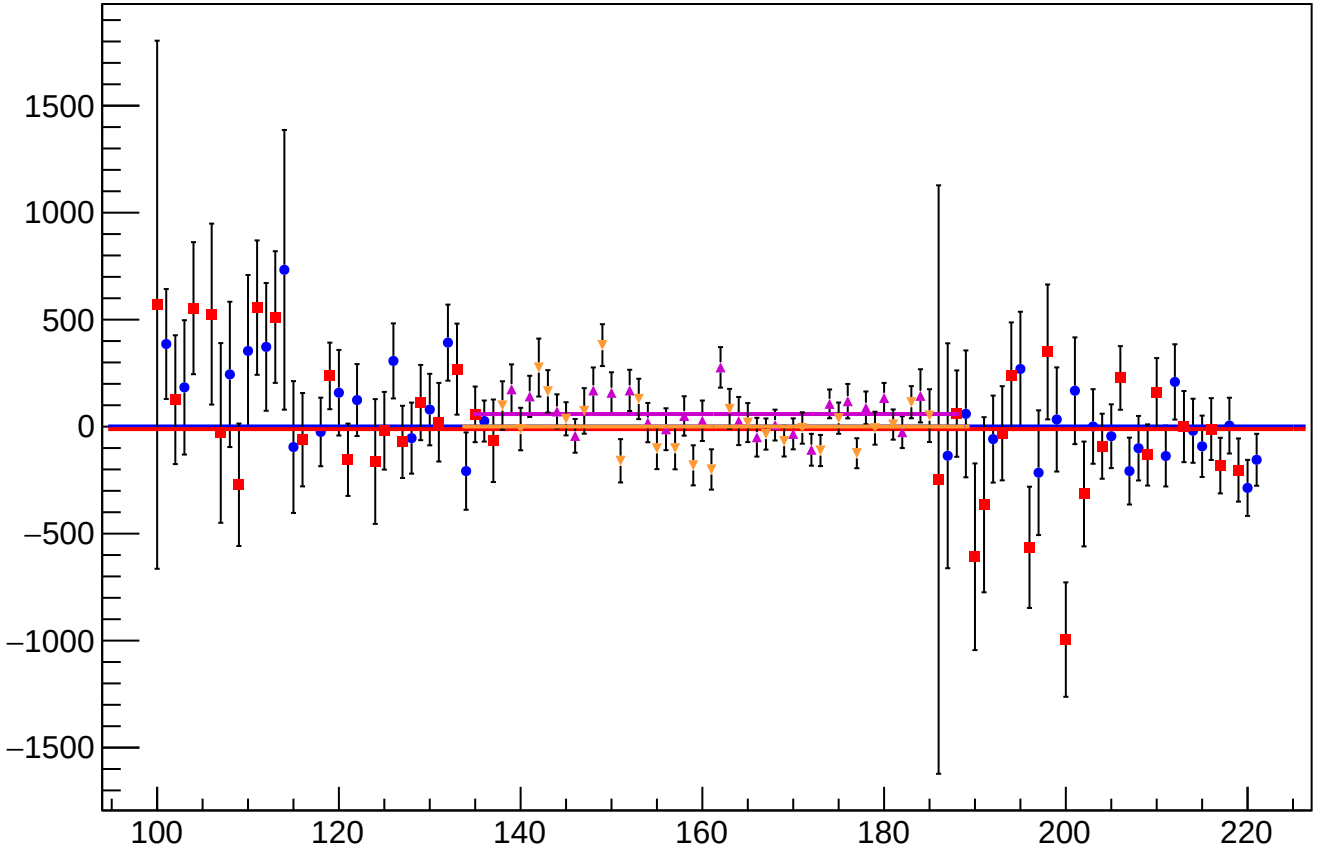
Right: 0.000+/-0.000 χ^2/NDF: 20750321.6/70

In: 0.000+/-0.000 χ^2/NDF:12094910.0/56

Out: 0.000+/-0.000 χ^2/NDF:13250454.4/61

All: 0.000+/-0.000 χ^2/NDF: 25362048.5/118

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: -11.481+/-33.304 χ^2/NDF: 50.8/36

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

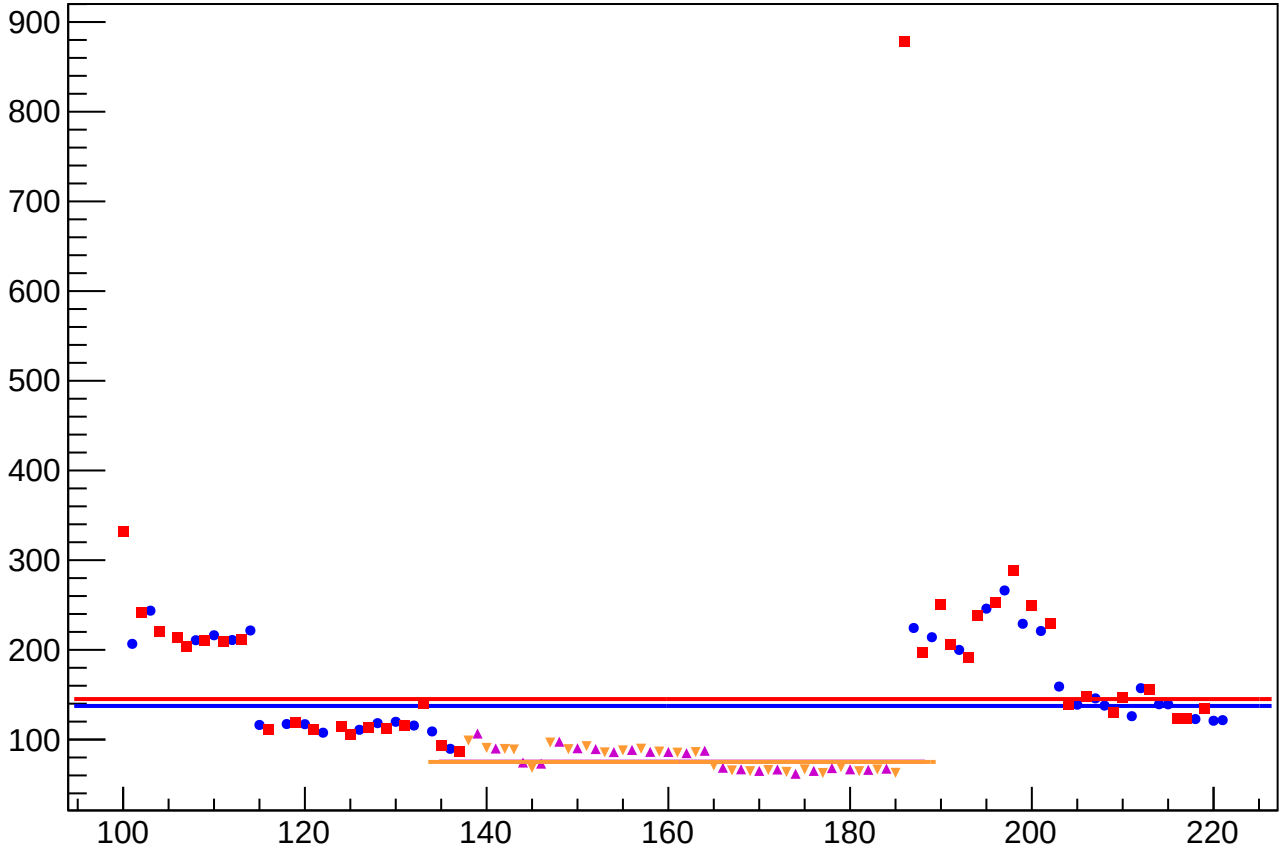
Right: -4.865+/-22.571 χ^2/NDF: 82.4/70

In: 44.175+/-15.449 χ^2/NDF:60.1/56

Out: -1.973+/-15.366 χ^2/NDF:99.5/61

All: 20.976+/-10.895 χ^2/NDF: 164.0/118

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: 145.145+/-0.024 χ^2/NDF: 4360480.6/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

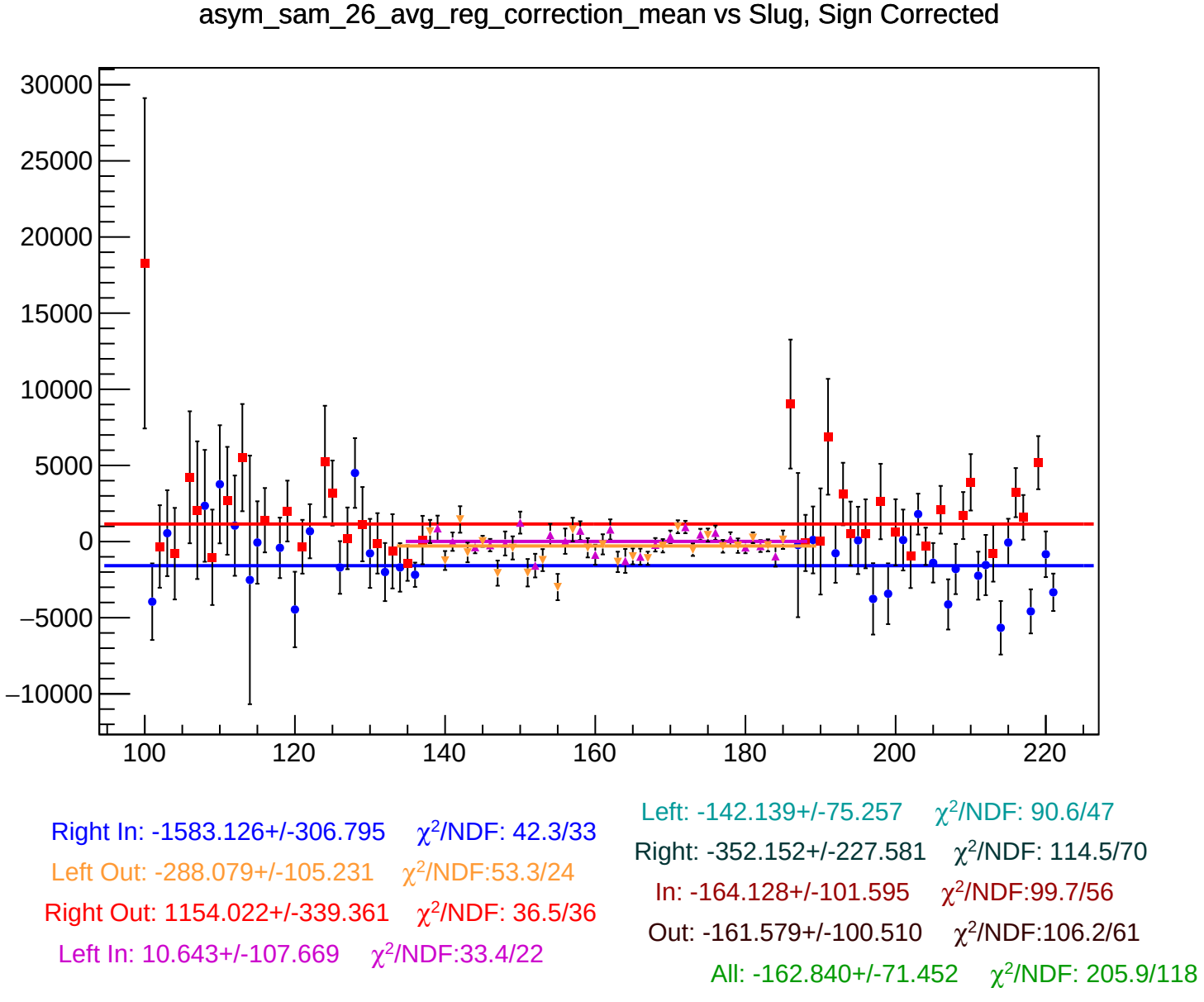
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 140.990+/-0.016 χ^2/NDF: 7705070.6/70

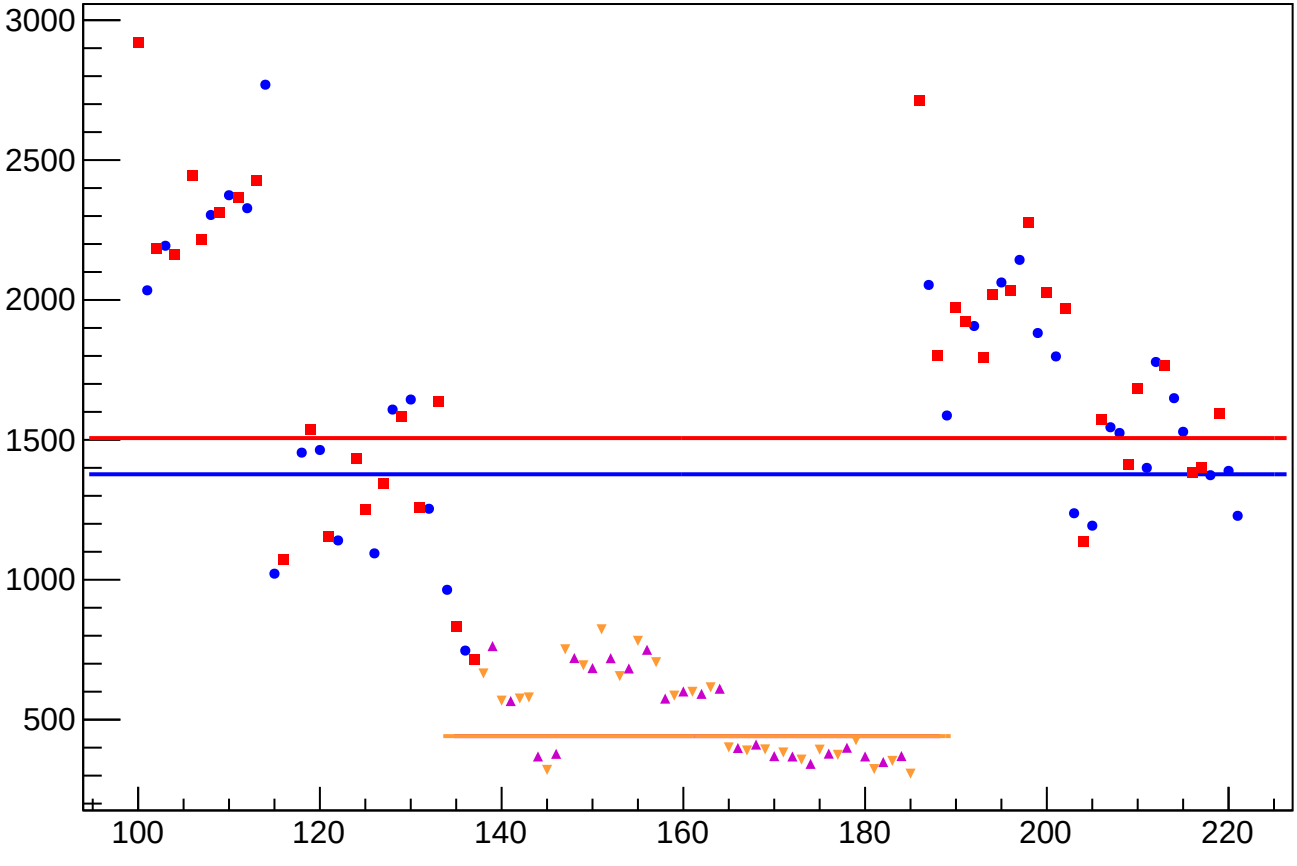
In: 91.086+/-0.011 χ^2/NDF:10238855.7/56

Out: 89.964+/-0.011 χ^2/NDF:12263865.1/61

All: 90.522+/-0.008 χ^2/NDF: 22508026.4/118


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: 1154.022+/-339.361 χ²/NDF: 36.5/36
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -352.152+/-227.581 χ²/NDF: 114.5/70
In: -164.128+/-101.595 χ²/NDF:99.7/56
Out: -161.579+/-100.510 χ²/NDF:106.2/61
All: -162.840+/-71.452 χ²/NDF: 205.9/118

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1506.369+/-0.240 χ^2/NDF: 3412906.3/36

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

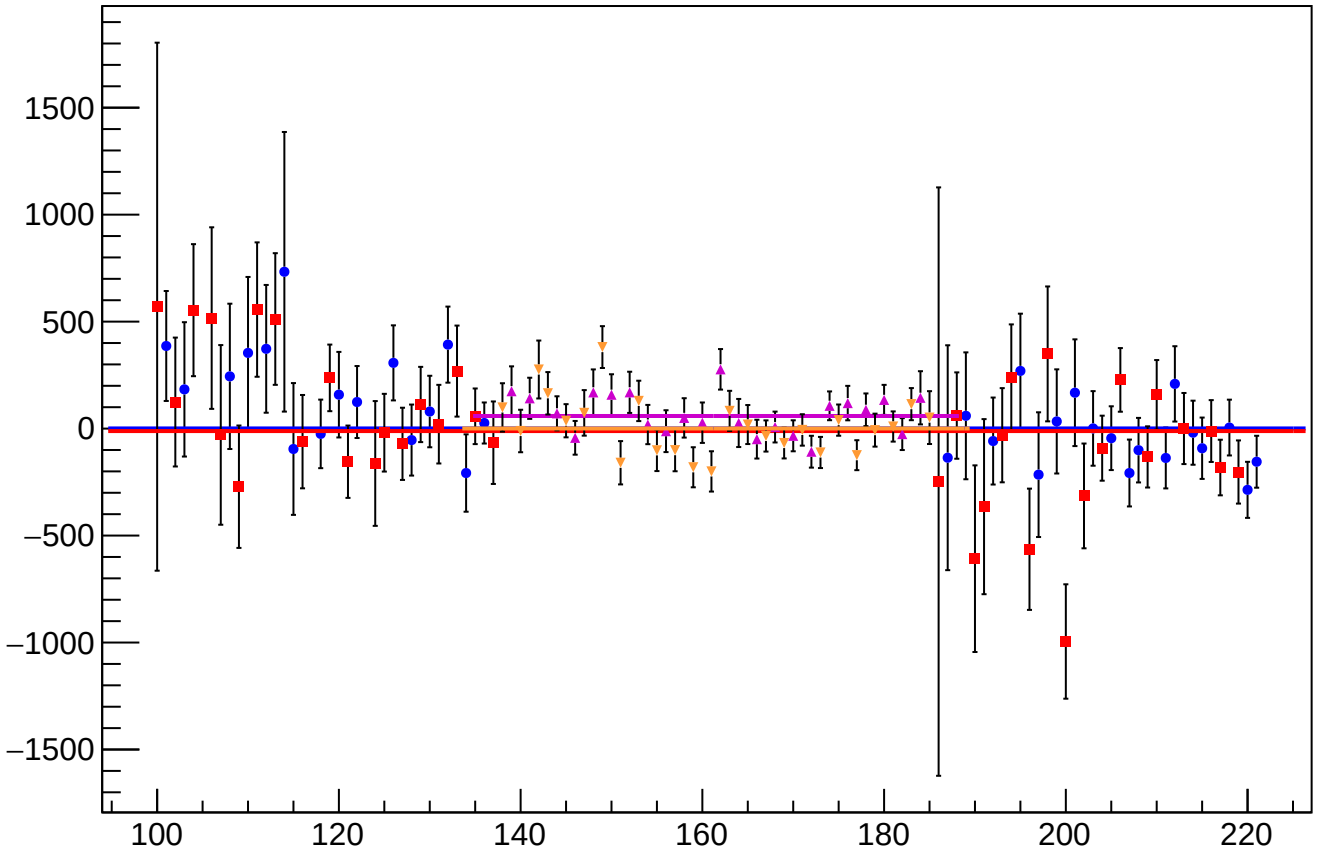
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1435.192+/-0.161 χ^2/NDF: 7037645.0/70

In: 543.817+/-0.072 χ^2/NDF:22715201.6/56

Out: 534.570+/-0.071 χ^2/NDF:24625085.7/61

All: 539.144+/-0.051 χ^2/NDF: 47348660.7/11



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: -11.587+/-33.305 χ^2/NDF: 50.7/36

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

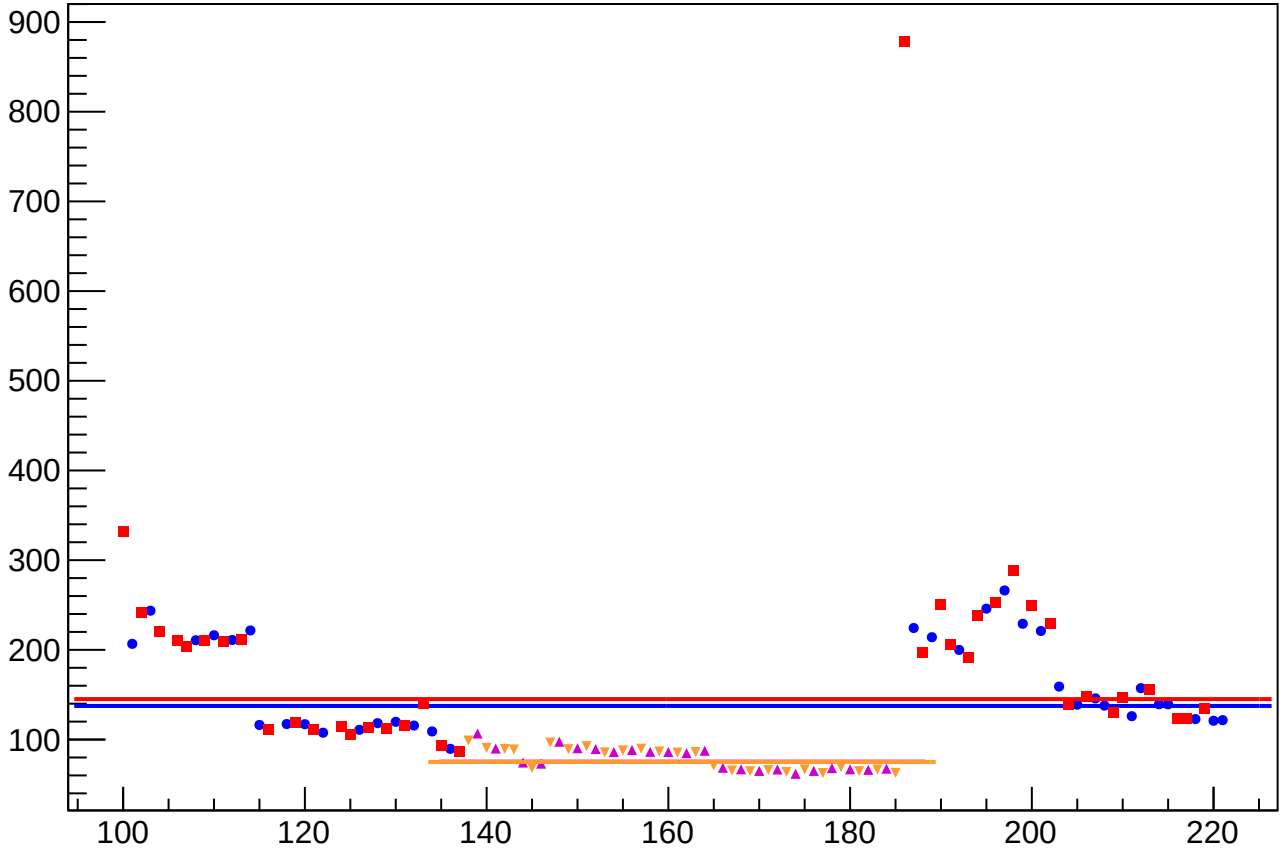
Right: -4.919+/-22.571 χ^2/NDF: 82.3/70

In: 44.170+/-15.449 χ^2/NDF:60.1/56

Out: -1.996+/-15.366 χ^2/NDF:99.4/61

All: 20.962+/-10.895 χ^2/NDF: 164.0/118

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: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

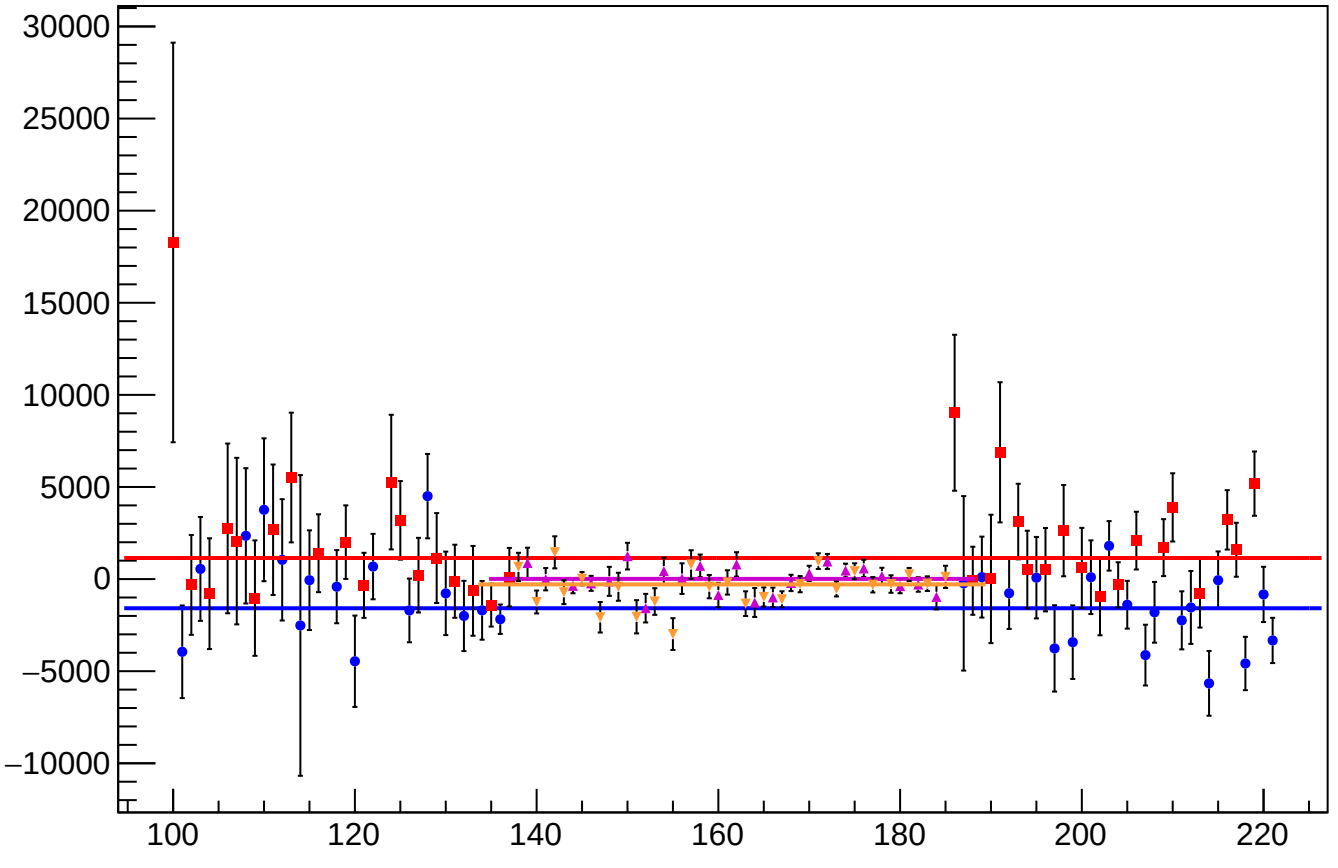
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 140.980+/-0.016 χ^2/NDF: 7700095.5/70

In: 91.086+/-0.011 χ^2/NDF:10238857.7/56

Out: 89.959+/-0.011 χ^2/NDF:12254572.6/61

All: 90.520+/-0.008 χ^2/NDF: 22498786.2/118



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: 1143.985+/-339.484 χ^2/NDF: 36.1/36

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

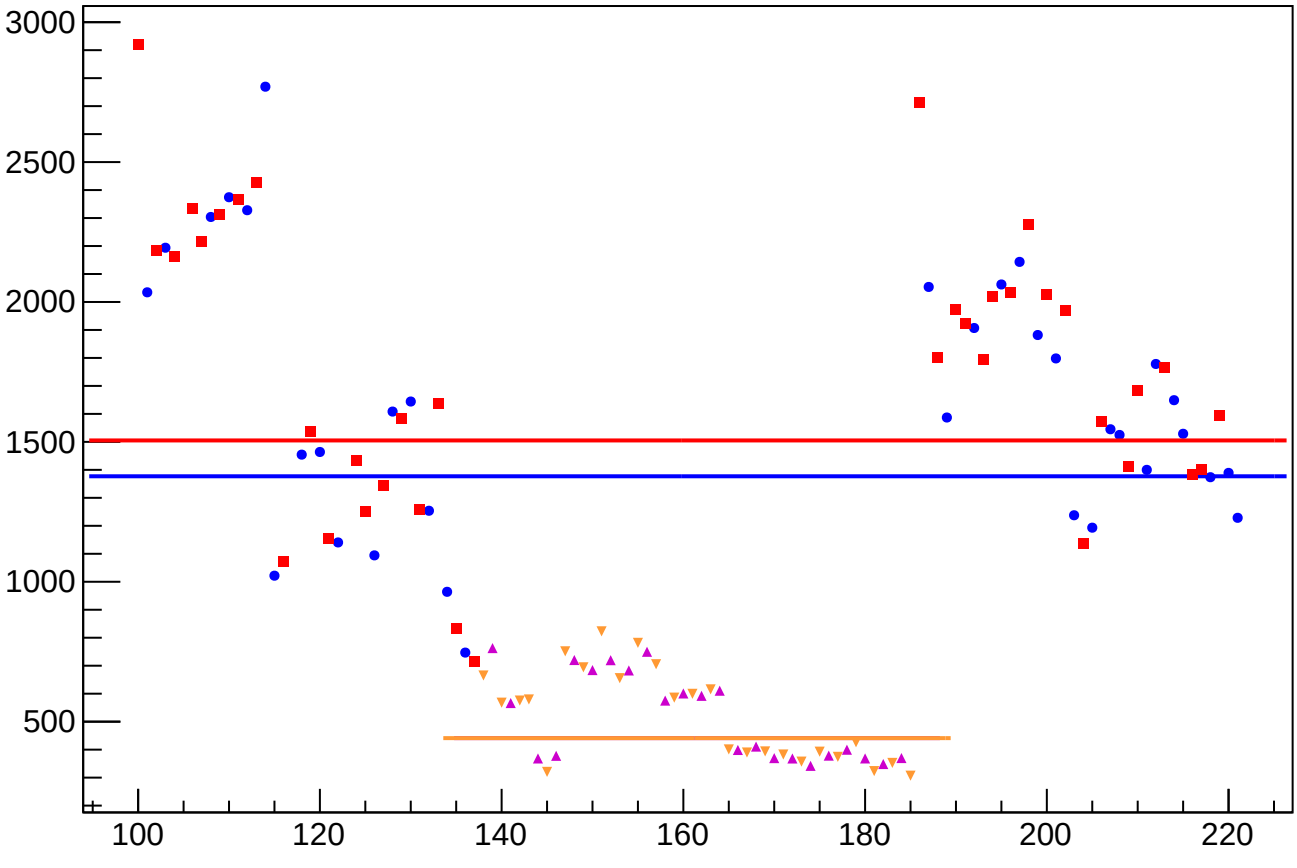
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -357.153+/-227.619 χ^2/NDF: 113.9/70

In: -164.127+/-101.595 χ^2/NDF:99.7/56

Out: -162.542+/-100.513 χ^2/NDF:105.6/61

All: -163.326+/-71.453 χ^2/NDF: 205.3/118



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: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

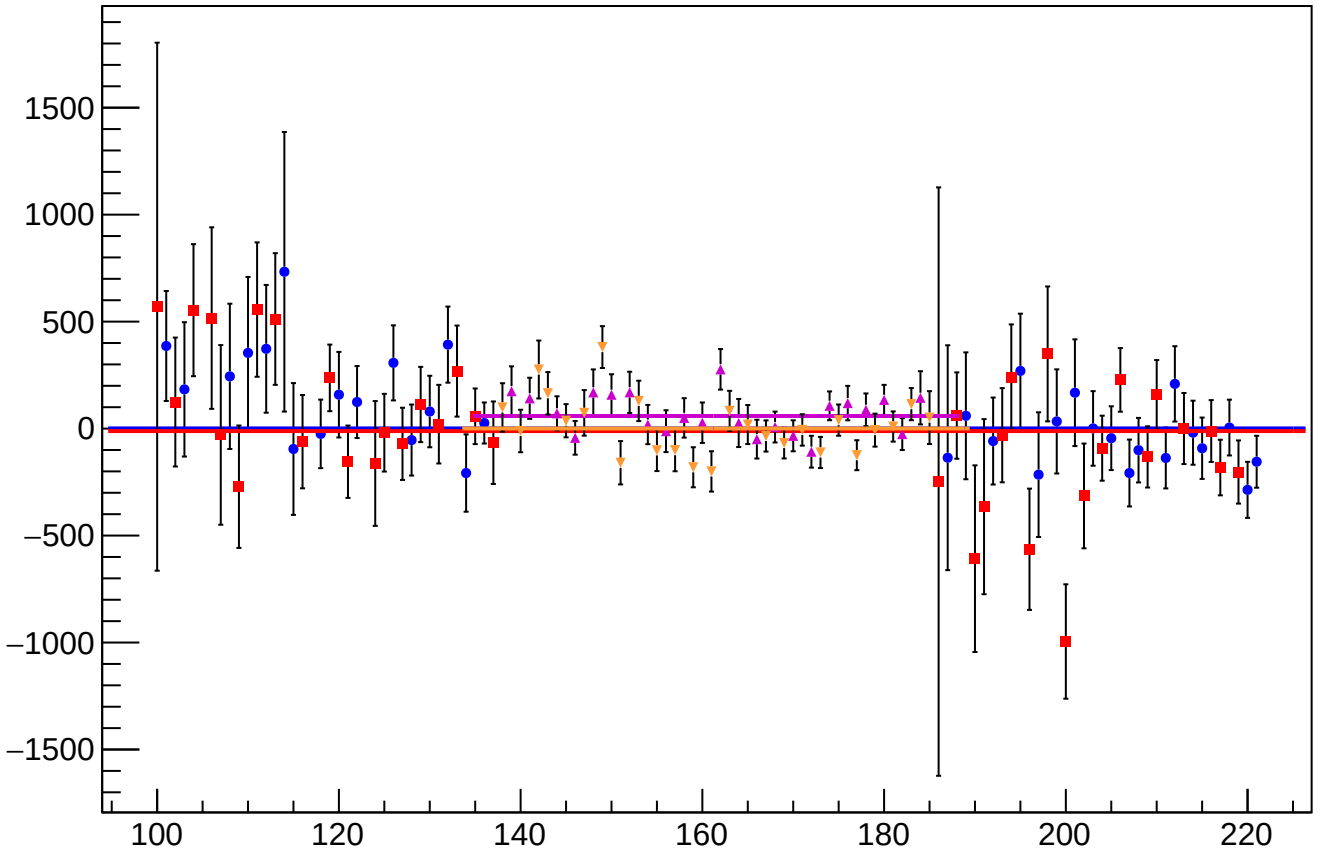
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1434.609+/-0.161 χ^2/NDF: 7005894.4/70

In: 543.818+/-0.072 χ^2/NDF:22715212.1/56

Out: 534.400+/-0.071 χ^2/NDF:24542543.9/61

All: 539.058+/-0.051 χ^2/NDF: 47266441.8/11



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: -11.587+/-33.305 χ^2/NDF: 50.7/36

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

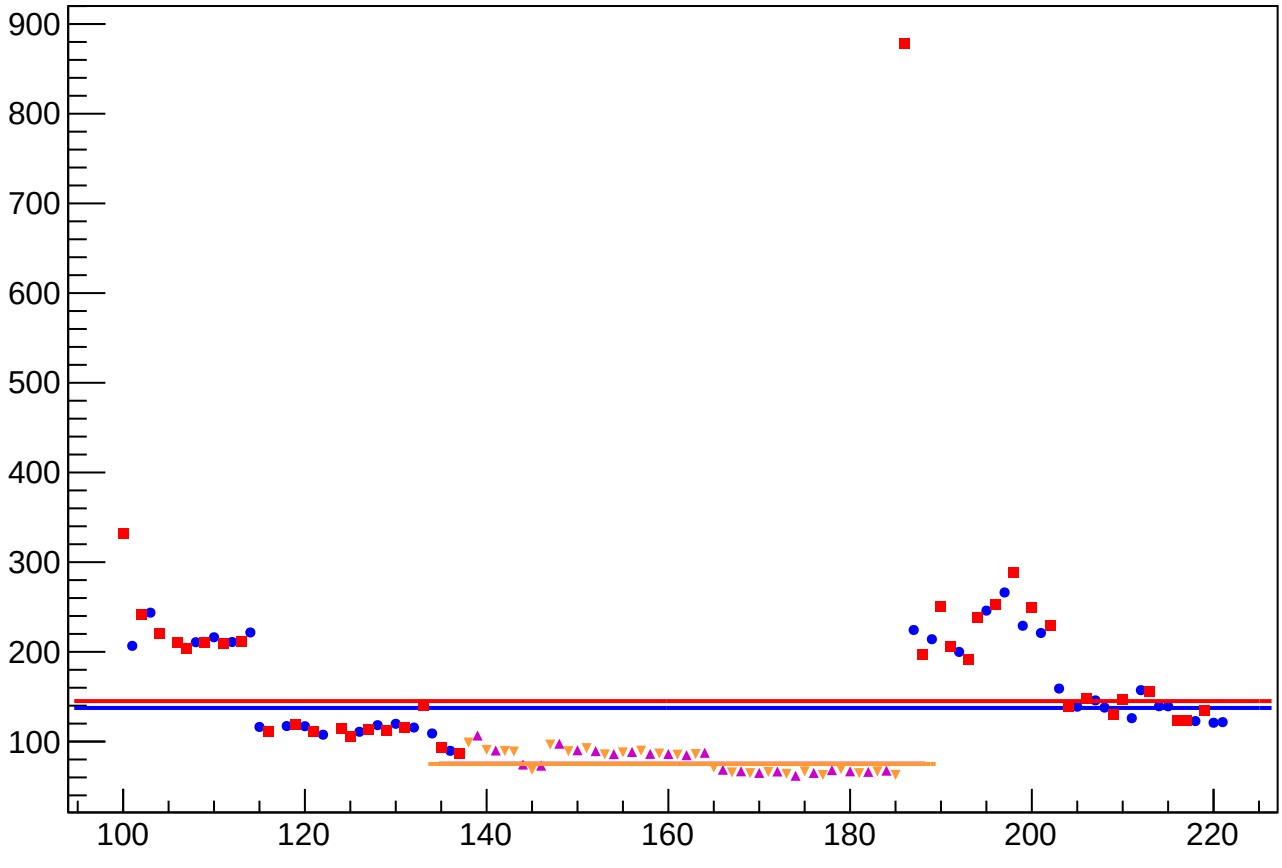
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: -4.919+/-22.571 χ^2/NDF: 82.3/70

In: 44.170+/-15.449 χ^2/NDF:60.1/56

Out: -1.996+/-15.366 χ^2/NDF:99.4/61

All: 20.962+/-10.895 χ^2/NDF: 164.0/118



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: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

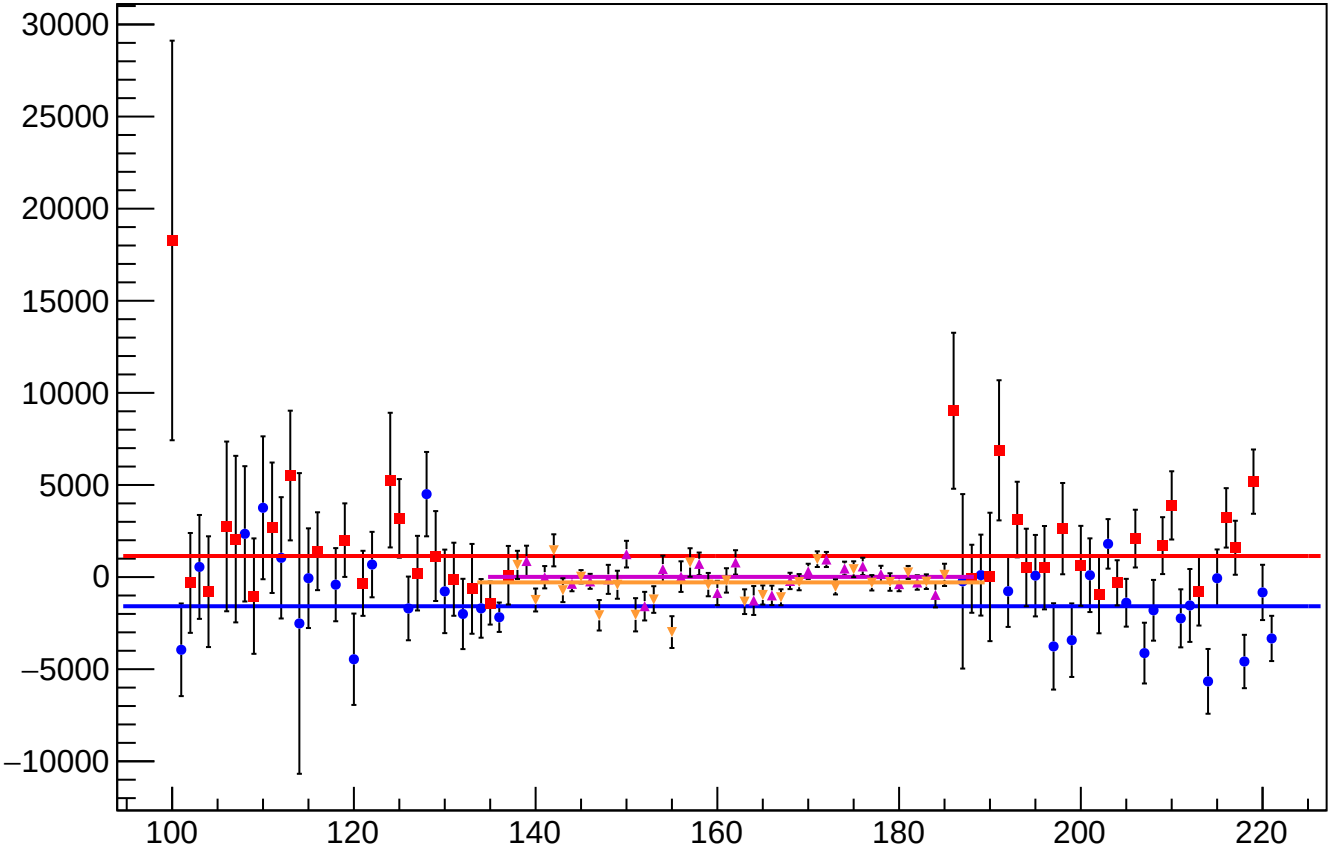
Right: 140.980+/-0.016 χ^2/NDF: 7700095.5/70

In: 91.086+/-0.011 χ^2/NDF:10238857.7/56

Out: 89.959+/-0.011 χ^2/NDF:12254572.6/61

All: 90.520+/-0.008 χ^2/NDF: 22498786.2/118

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1143.985+/-339.484 χ^2/NDF: 36.1/36

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

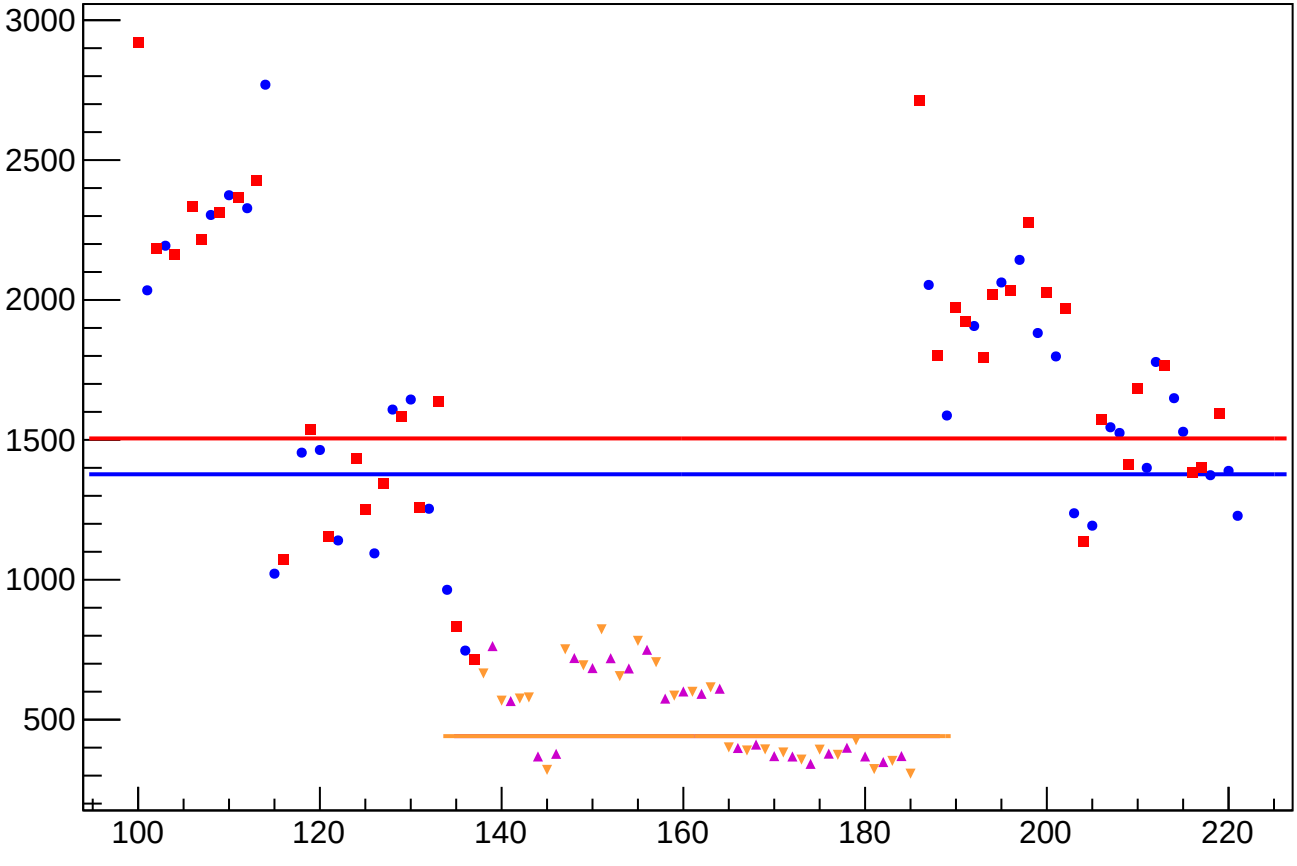
Right: -357.153+/-227.619 χ^2/NDF: 113.9/70

In: -164.127+/-101.595 χ^2/NDF:99.7/56

Out: -162.542+/-100.513 χ^2/NDF:105.6/61

All: -163.326+/-71.453 χ^2/NDF: 205.3/118

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

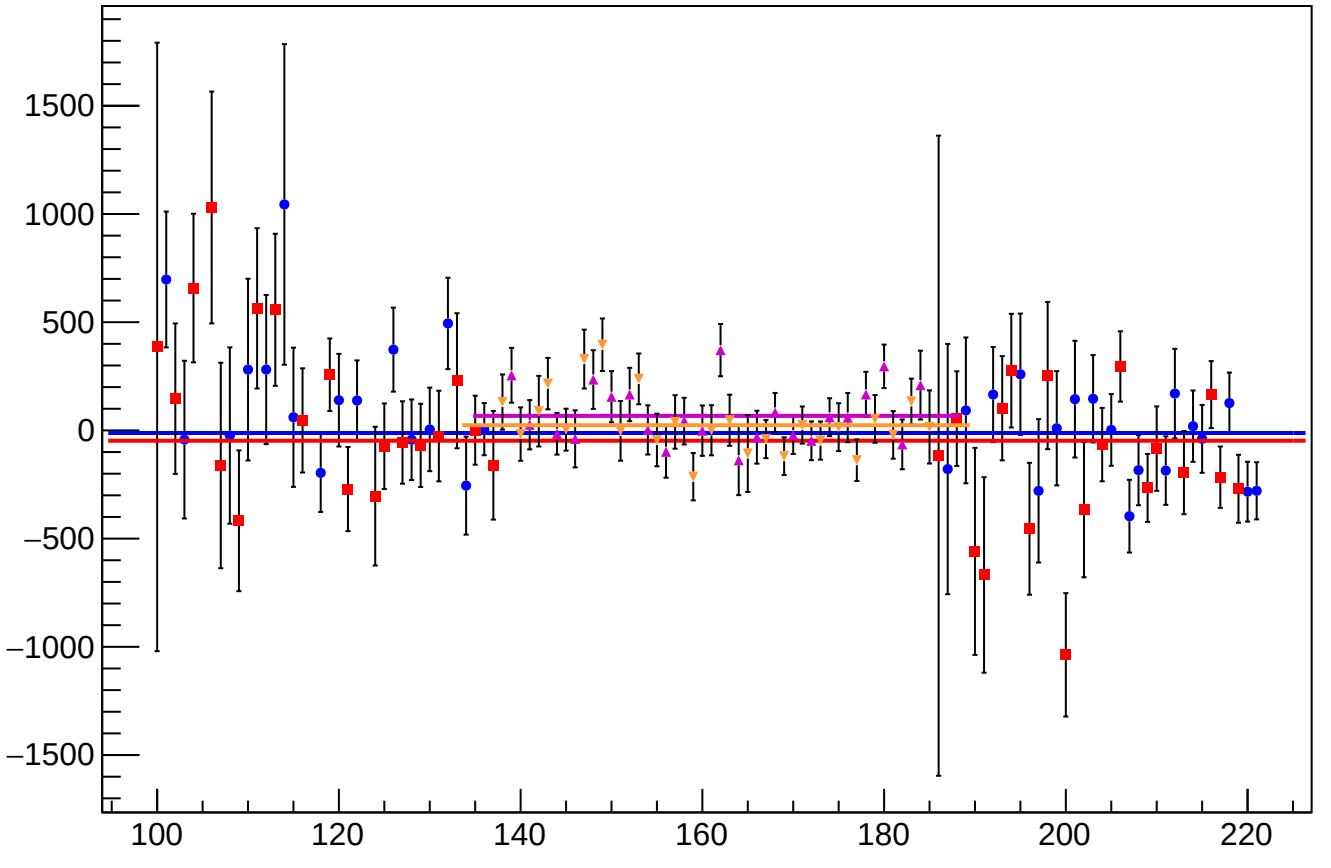
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1434.609+/-0.161 χ^2/NDF: 7005894.4/70

In: 543.818+/-0.072 χ^2/NDF:22715212.1/56

Out: 534.400+/-0.071 χ^2/NDF:24542543.9/61

All: 539.058+/-0.051 χ^2/NDF: 47266441.8/11



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: -47.656+/-37.518 χ^2/NDF: 55.4/36

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

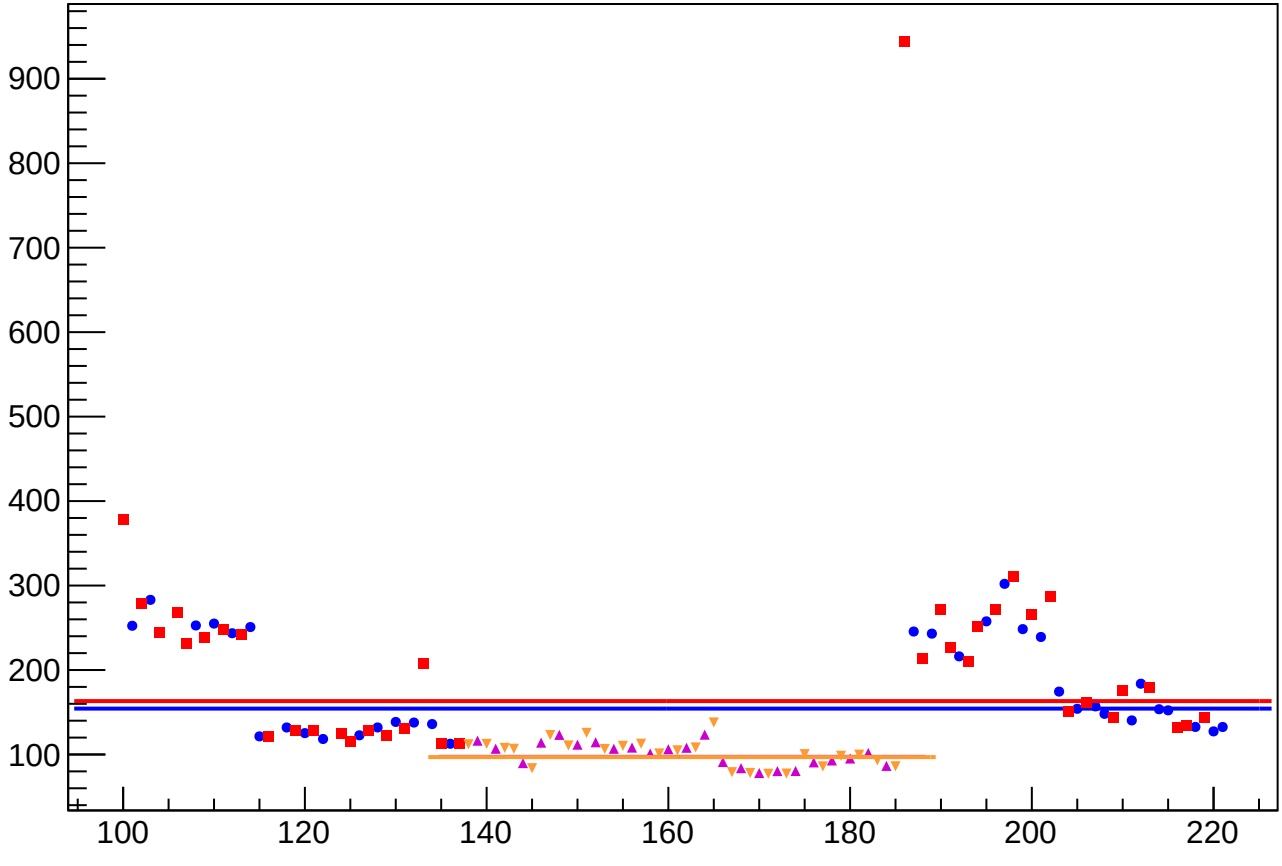
Right: -28.307+/-25.384 χ^2/NDF: 98.1/70

In: 42.555+/-19.202 χ^2/NDF:74.5/56

Out: 5.059+/-19.242 χ^2/NDF:93.3/61

All: 23.846+/-13.592 χ^2/NDF: 169.6/118

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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: 163.222+/-0.027 χ^2/NDF: 4250780.7/36

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

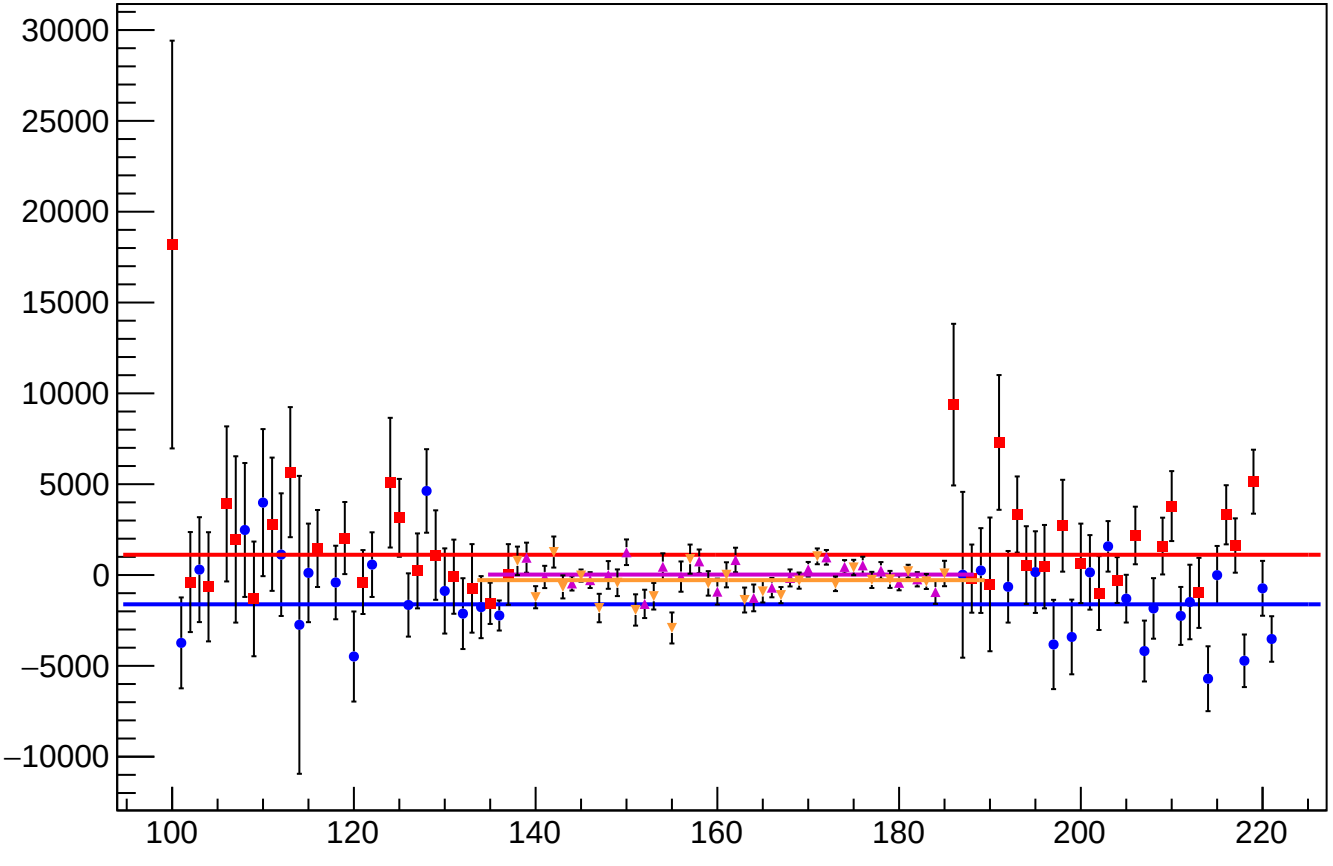
Right: 158.395+/-0.018 χ^2/NDF: 7404241.0/70

In: 114.901+/-0.014 χ^2/NDF:7558821.6/56

Out: 114.350+/-0.014 χ^2/NDF:9789647.6/61

All: 114.626+/-0.010 χ^2/NDF: 17349290.0/11

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: 1115.318+/-343.151 χ^2/NDF: 37.8/36

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

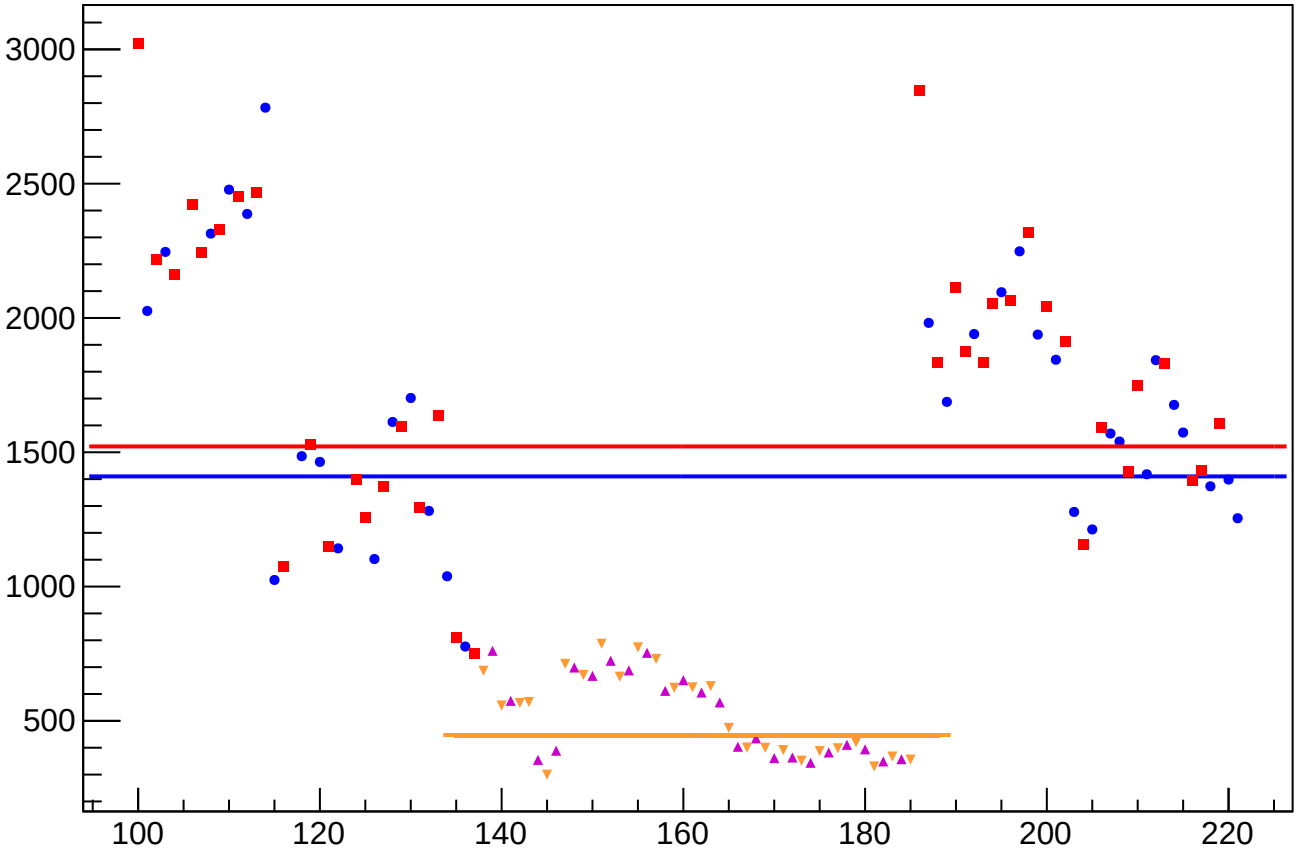
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -370.604+/-231.519 χ^2/NDF: 114.2/70

In: -151.396+/-102.862 χ^2/NDF:99.2/56

Out: -159.840+/-101.622 χ^2/NDF:103.3/61

All: -155.669+/-72.292 χ^2/NDF: 202.6/118



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: 1521.678+/-0.243 χ^2/NDF: 3504199.7/36

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

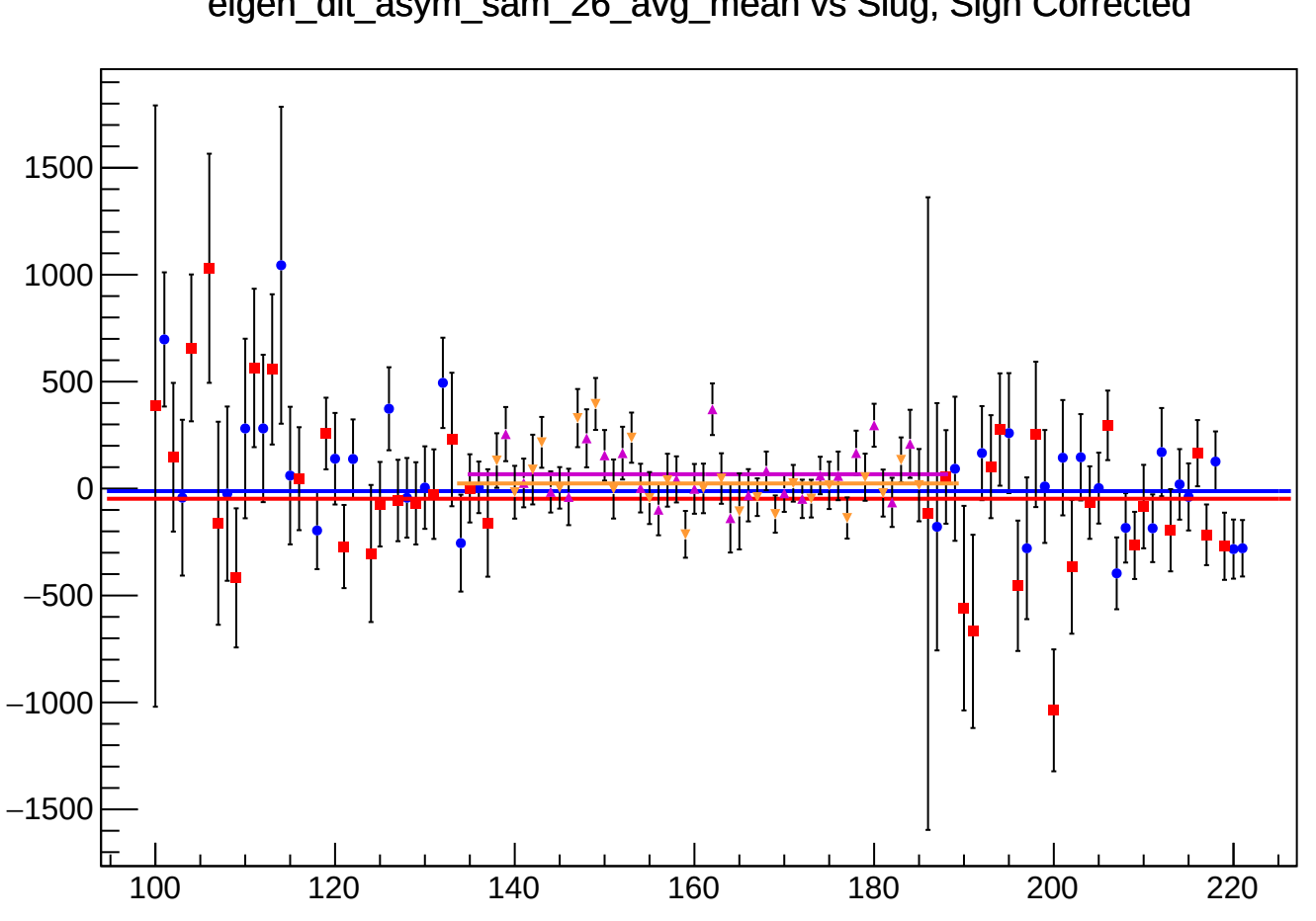
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1460.917+/-0.164 χ^2/NDF: 6988786.6/70

In: 549.232+/-0.073 χ^2/NDF:22964979.0/56

Out: 541.602+/-0.072 χ^2/NDF:24585037.3/61

All: 545.371+/-0.051 χ^2/NDF: 47555585.9/11



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: -47.657+/-37.518 χ^2/NDF: 55.4/36

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

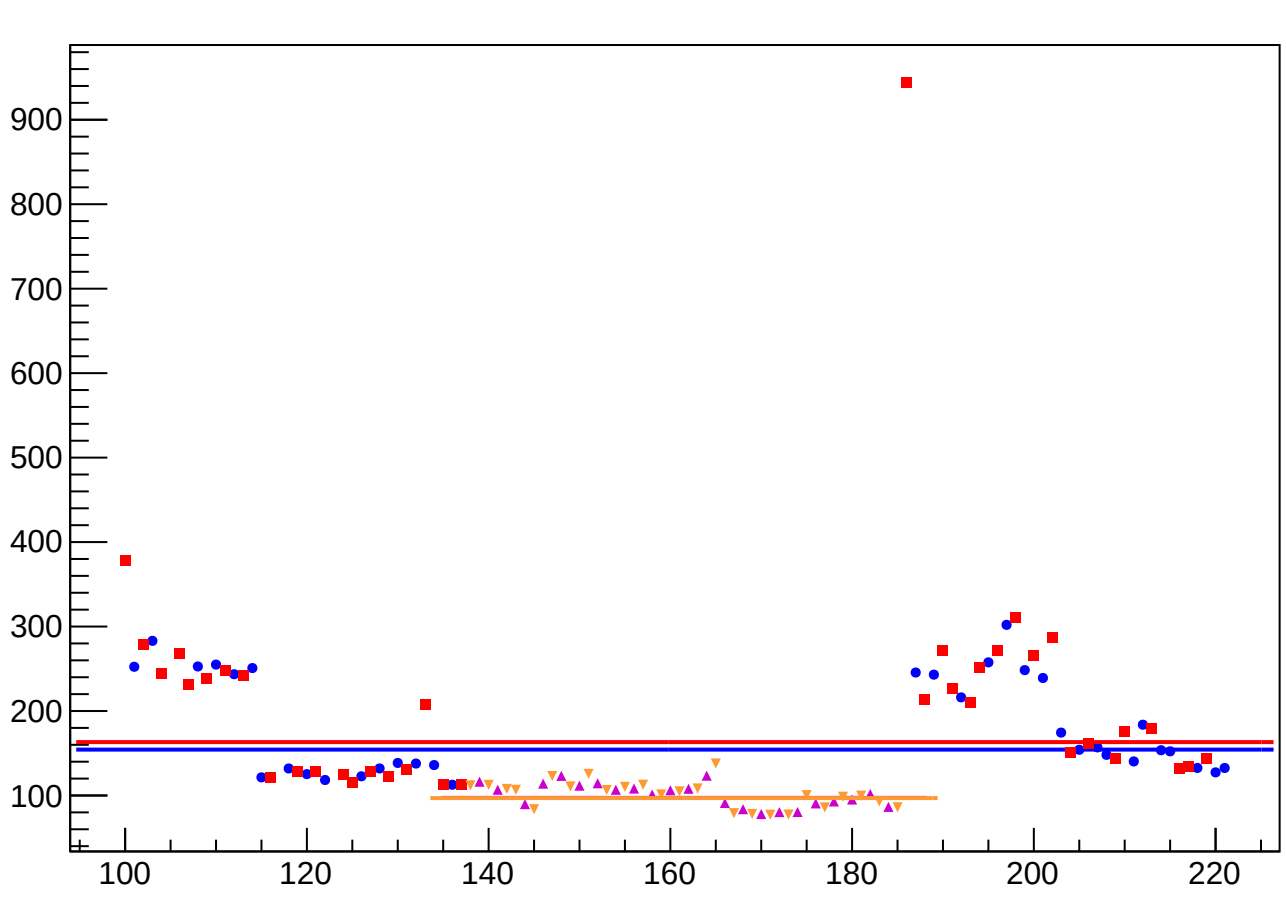
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -28.305+/-25.384 χ^2/NDF: 98.1/70

In: 42.556+/-19.202 χ^2/NDF:74.5/56

Out: 5.057+/-19.242 χ^2/NDF:93.3/61

All: 23.845+/-13.592 χ^2/NDF: 169.6/118



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: 163.221+/-0.027 χ^2/NDF: 4250784.4/36

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

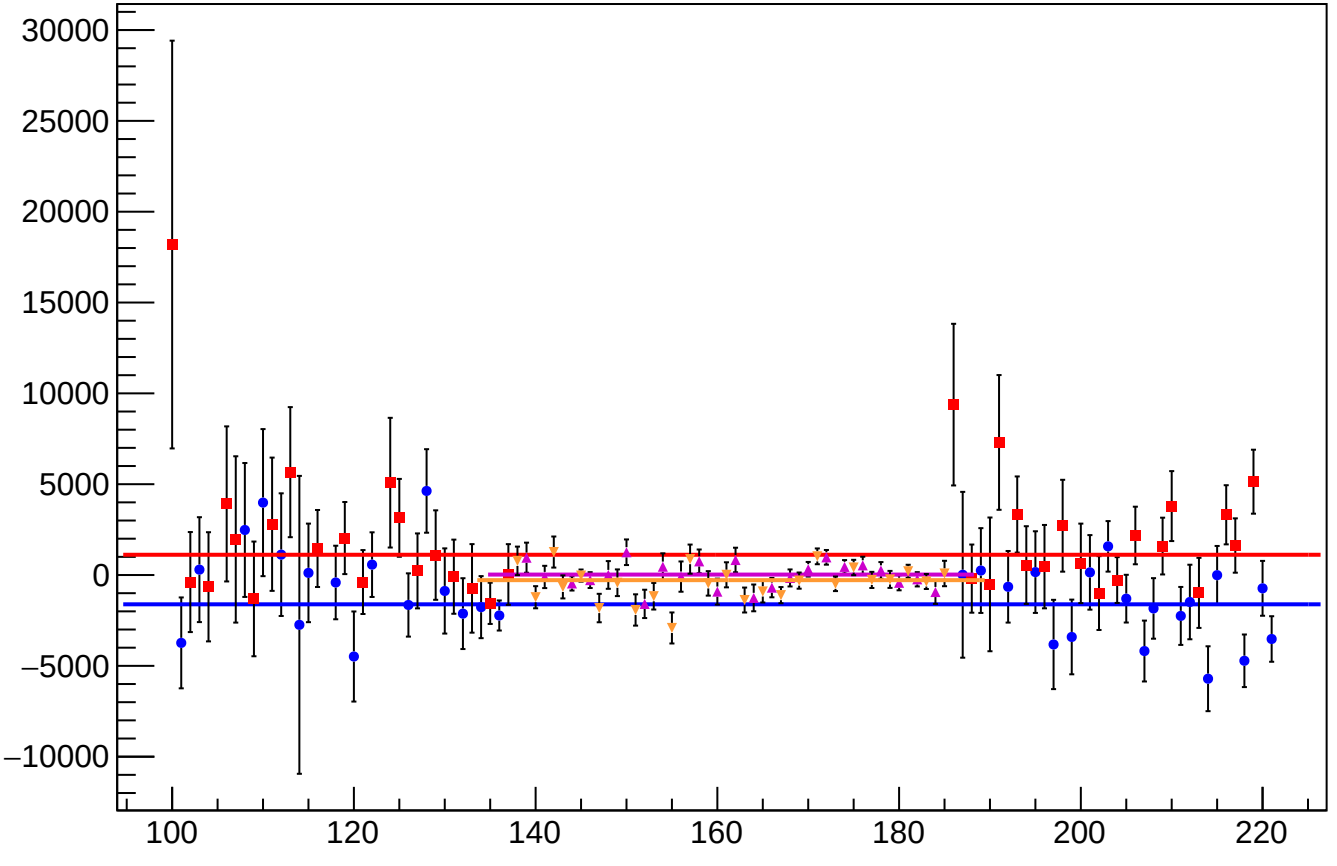
Right: 158.394+/-0.018 χ^2/NDF: 7404254.4/70

In: 114.901+/-0.014 χ^2/NDF:7558726.6/56

Out: 114.350+/-0.014 χ^2/NDF:9789580.6/61

All: 114.626+/-0.010 χ^2/NDF: 17349128.2/11

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: 1115.318+/-343.151 χ^2/NDF: 37.8/36

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

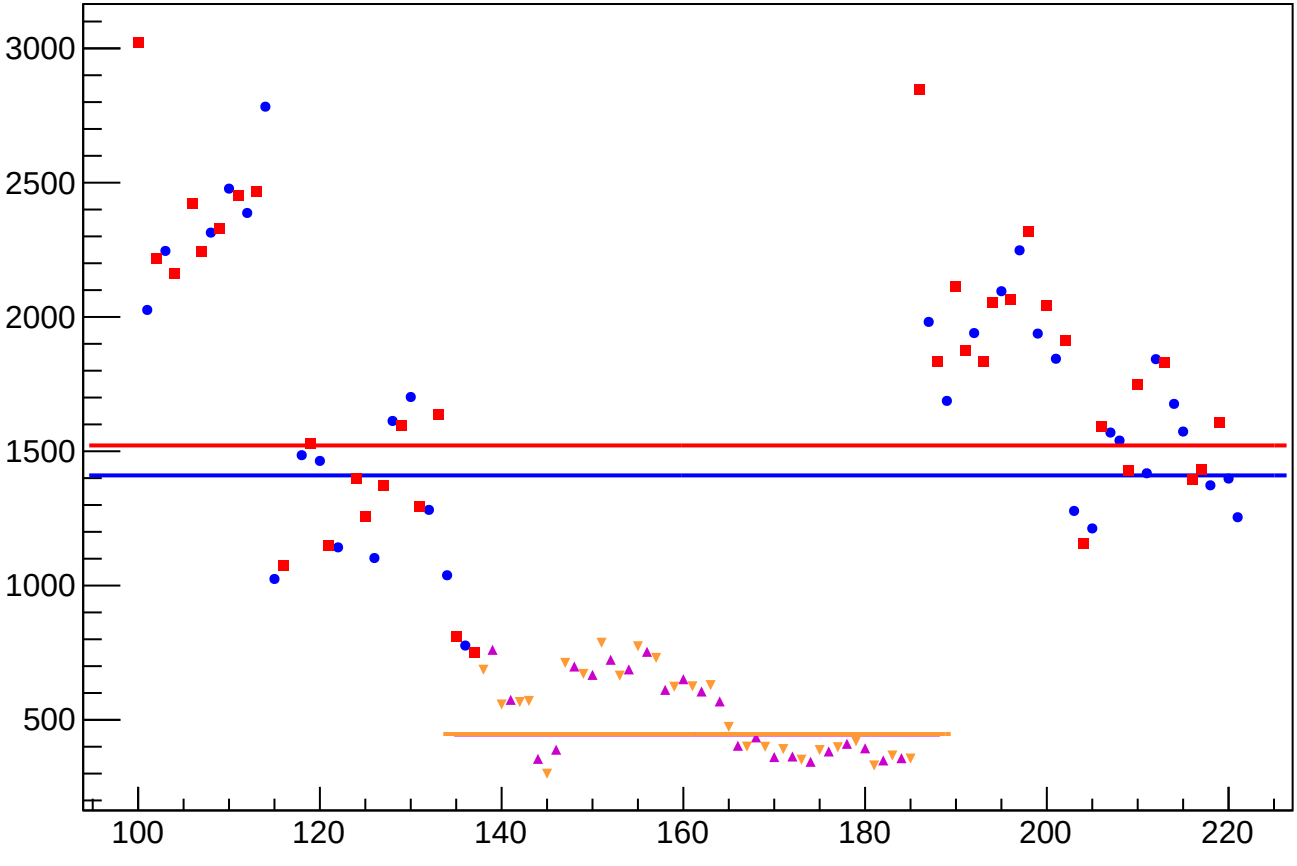
Right: -370.603+/-231.519 χ^2/NDF: 114.2/70

In: -151.395+/-102.862 χ^2/NDF:99.2/56

Out: -159.839+/-101.622 χ^2/NDF:103.3/61

All: -155.668+/-72.292 χ^2/NDF: 202.6/118

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1521.678+/-0.243 χ^2/NDF: 3504181.0/36

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

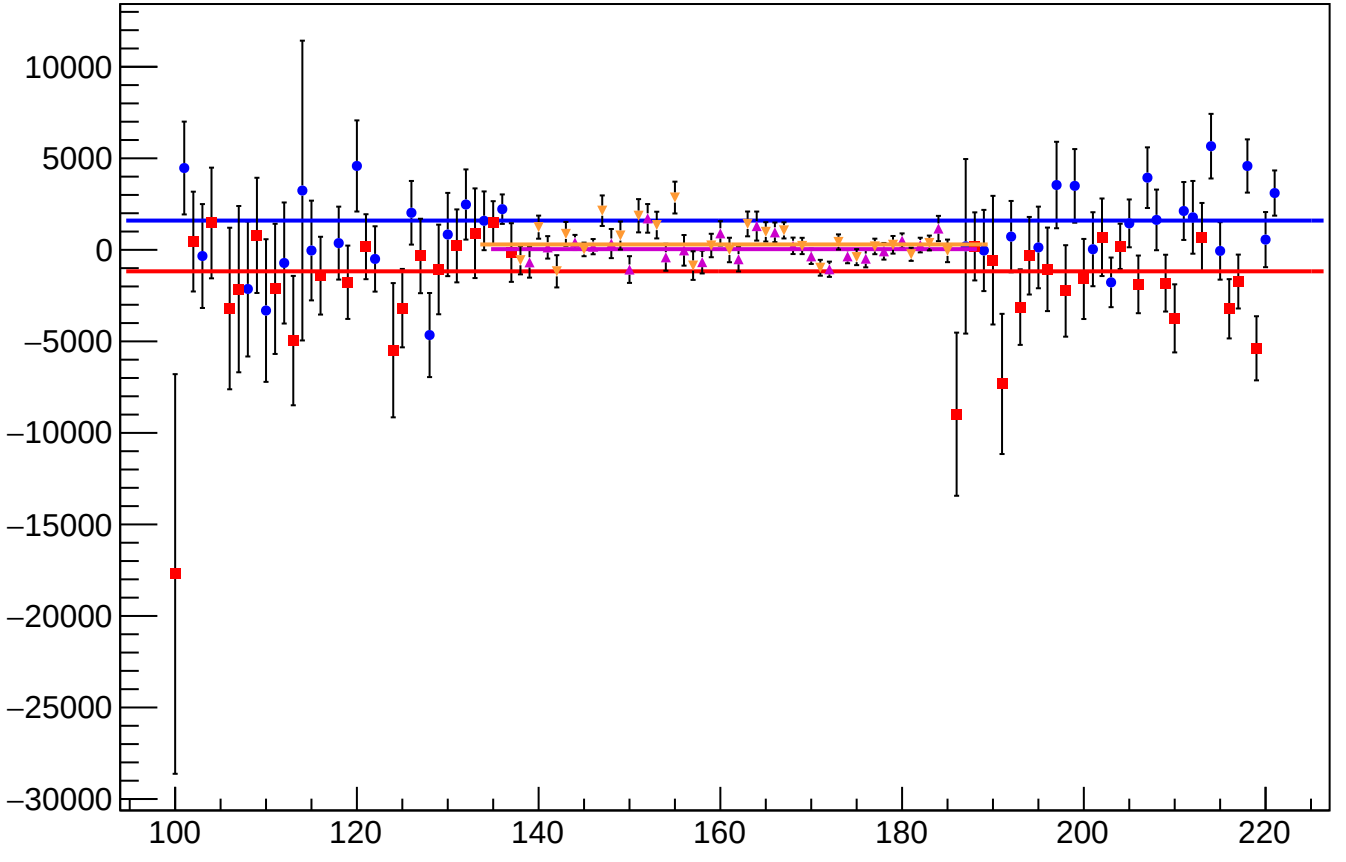
Right: 1460.916+/-0.164 χ^2/NDF: 6988750.0/70

In: 549.232+/-0.073 χ^2/NDF:22964987.7/56

Out: 541.601+/-0.072 χ^2/NDF:24585068.7/61

All: 545.370+/-0.051 χ^2/NDF: 47555626.2/11

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: -1173.079+/-341.367 χ^2/NDF: 35.4/36

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

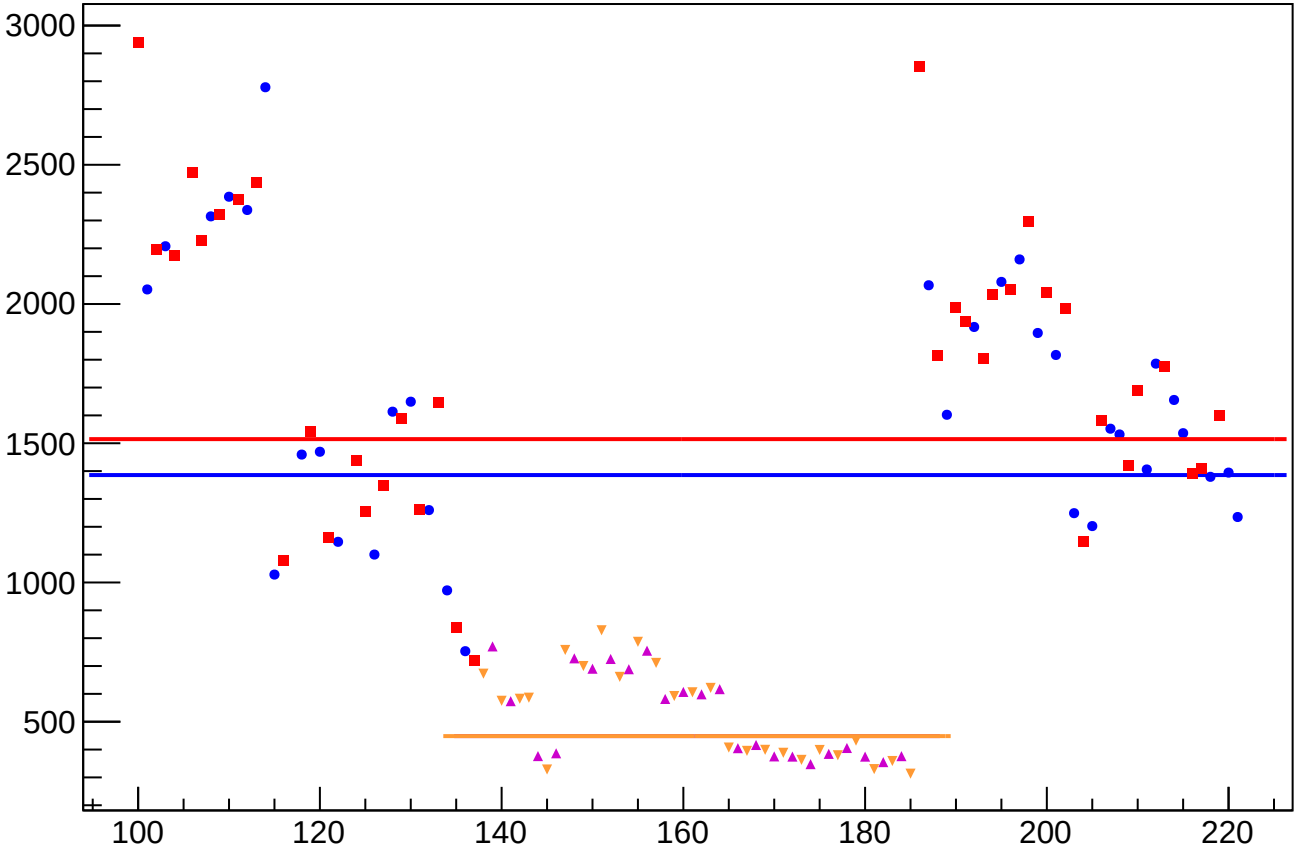
Right: 352.031+/-228.953 χ^2/NDF: 112.9/70

In: 212.056+/-103.044 χ^2/NDF:96.8/56

Out: 164.098+/-101.937 χ^2/NDF:102.7/61

All: 187.818+/-72.469 χ^2/NDF: 199.7/118

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: 1514.806+/-0.241 χ^2/NDF: 3431858.9/36

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

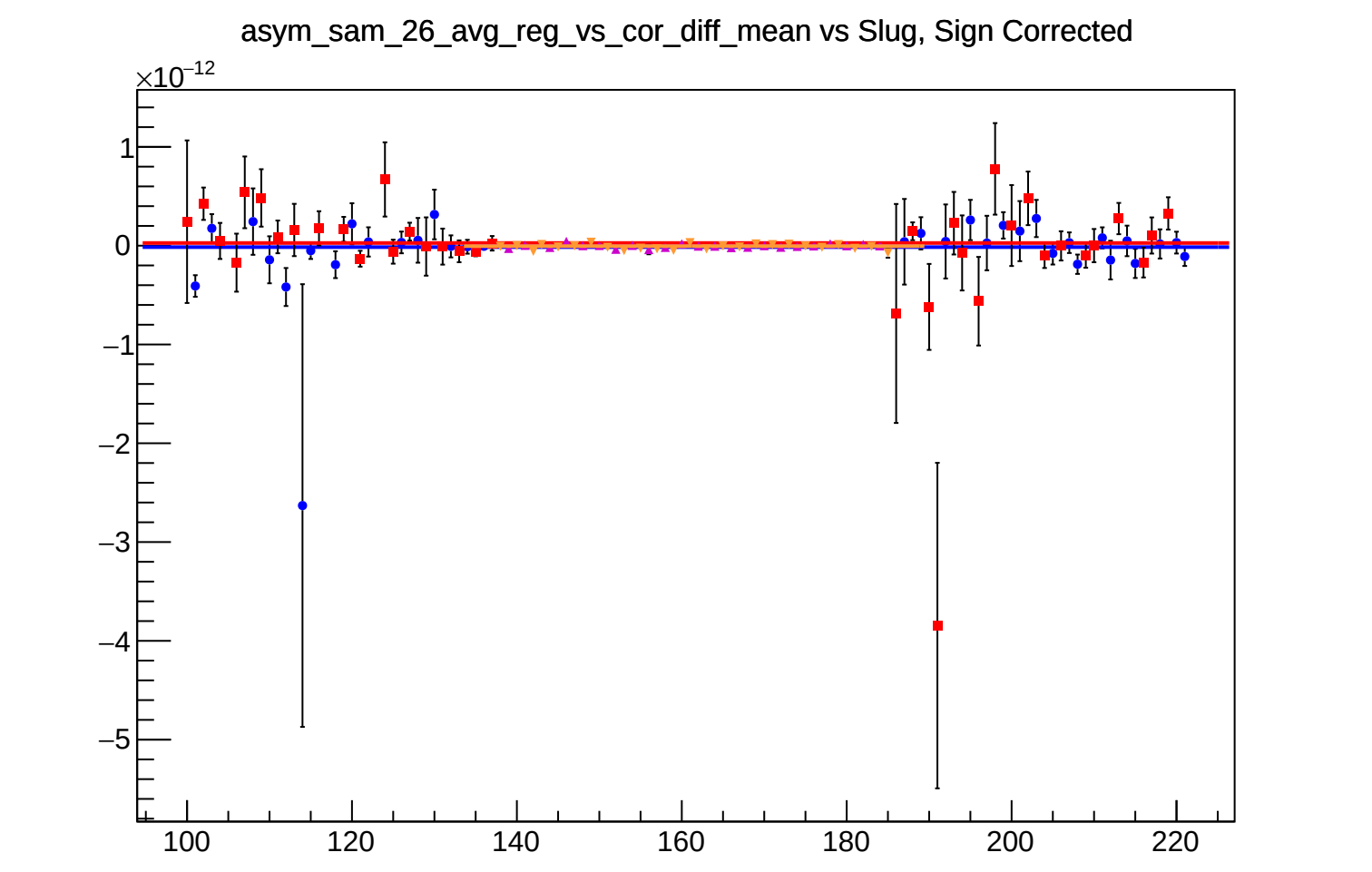
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1443.806+/-0.162 χ^2/NDF: 7038914.7/70

In: 552.858+/-0.073 χ^2/NDF:22458645.7/56

Out: 543.380+/-0.072 χ^2/NDF:24370222.5/61

All: 548.068+/-0.051 χ^2/NDF: 46837421.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.1/36

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

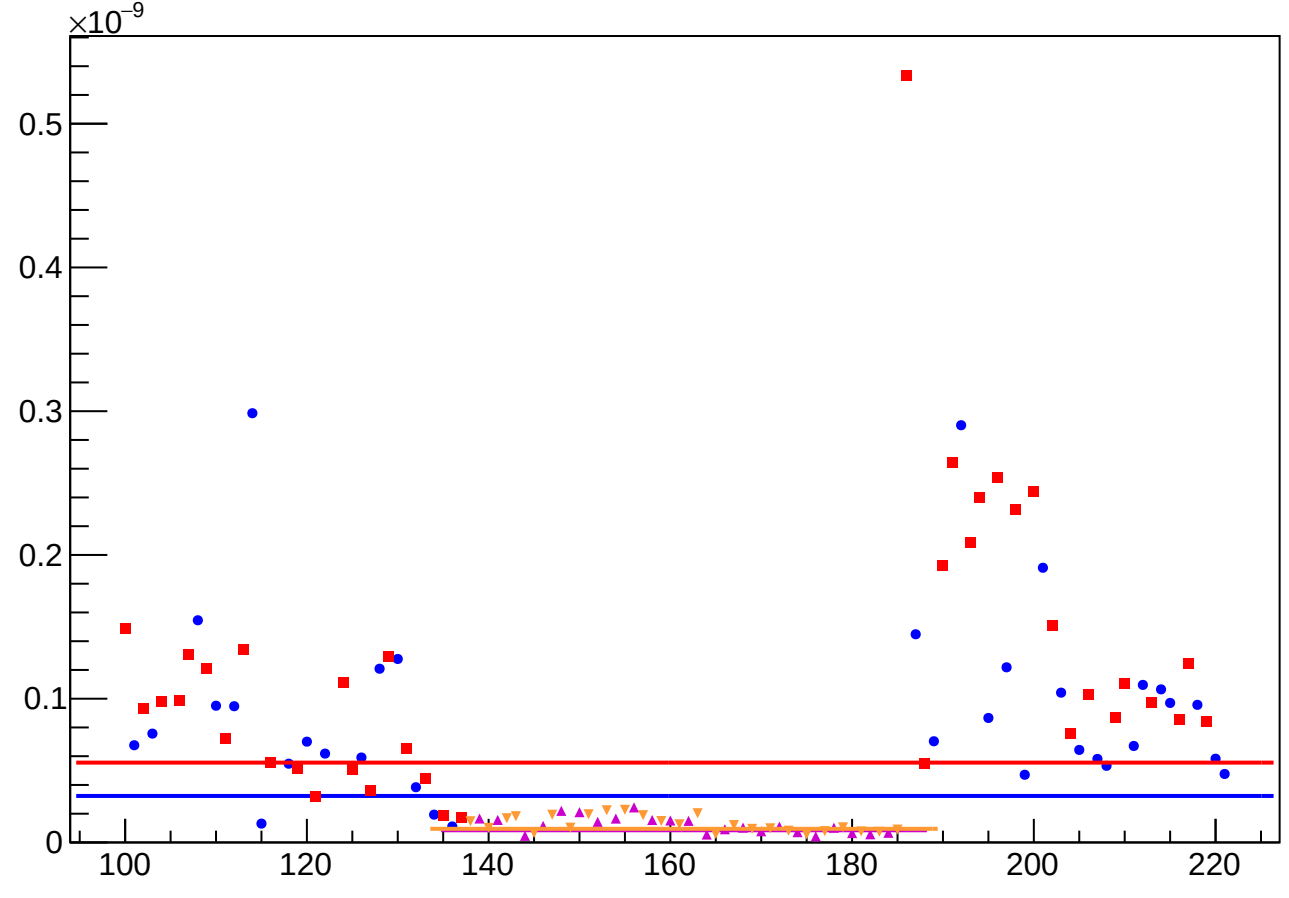
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 97.6/70

In: -0.000+/-0.000 χ^2/NDF:59.5/56

Out: -0.000+/-0.000 χ^2/NDF:78.1/61

All: -0.000+/-0.000 χ^2/NDF: 137.6/118



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: 6843317.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

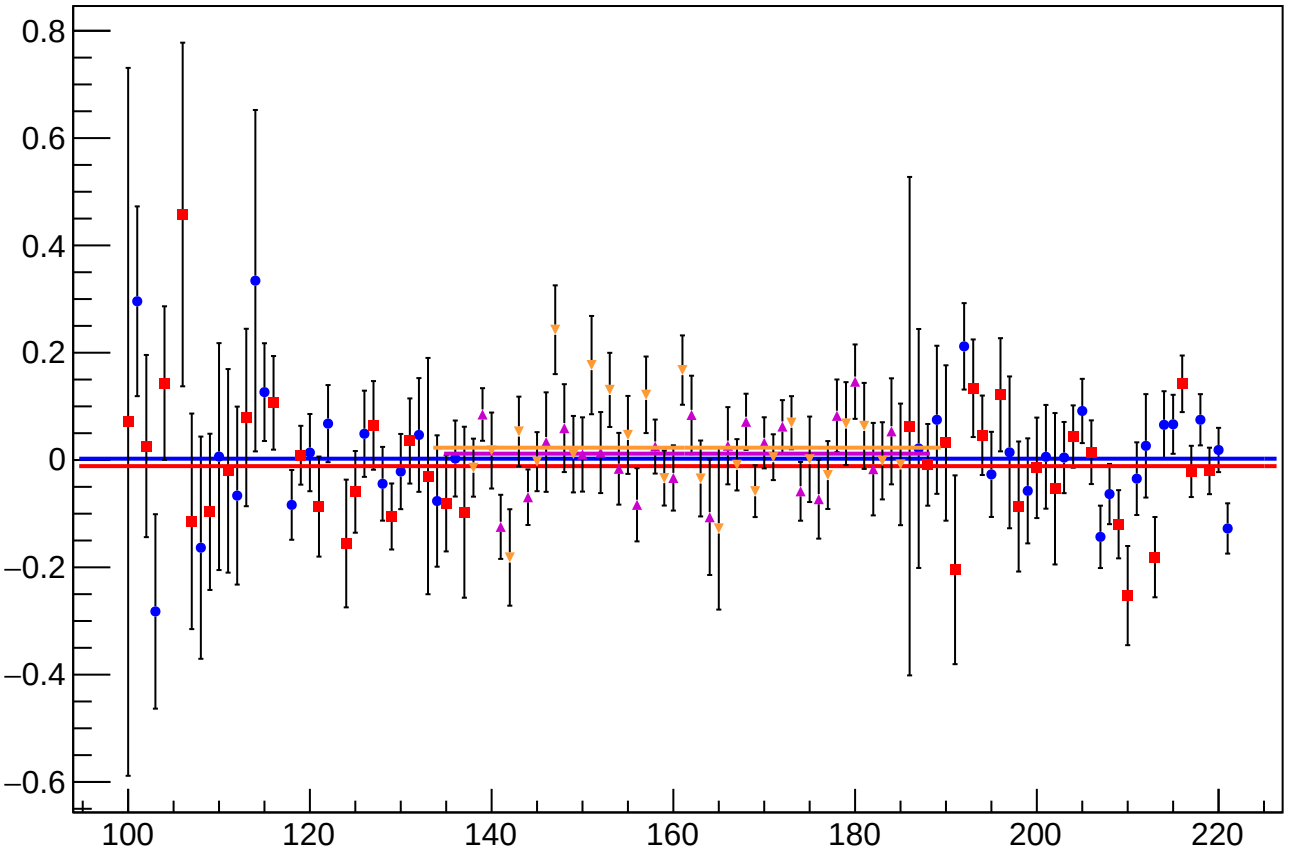
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 17080470.9/70

In: 0.000+/-0.000 χ^2/NDF:15978164.7/56

Out: 0.000+/-0.000 χ^2/NDF:16880230.9/61

All: 0.000+/-0.000 χ^2/NDF: 32924729.7/118



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: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

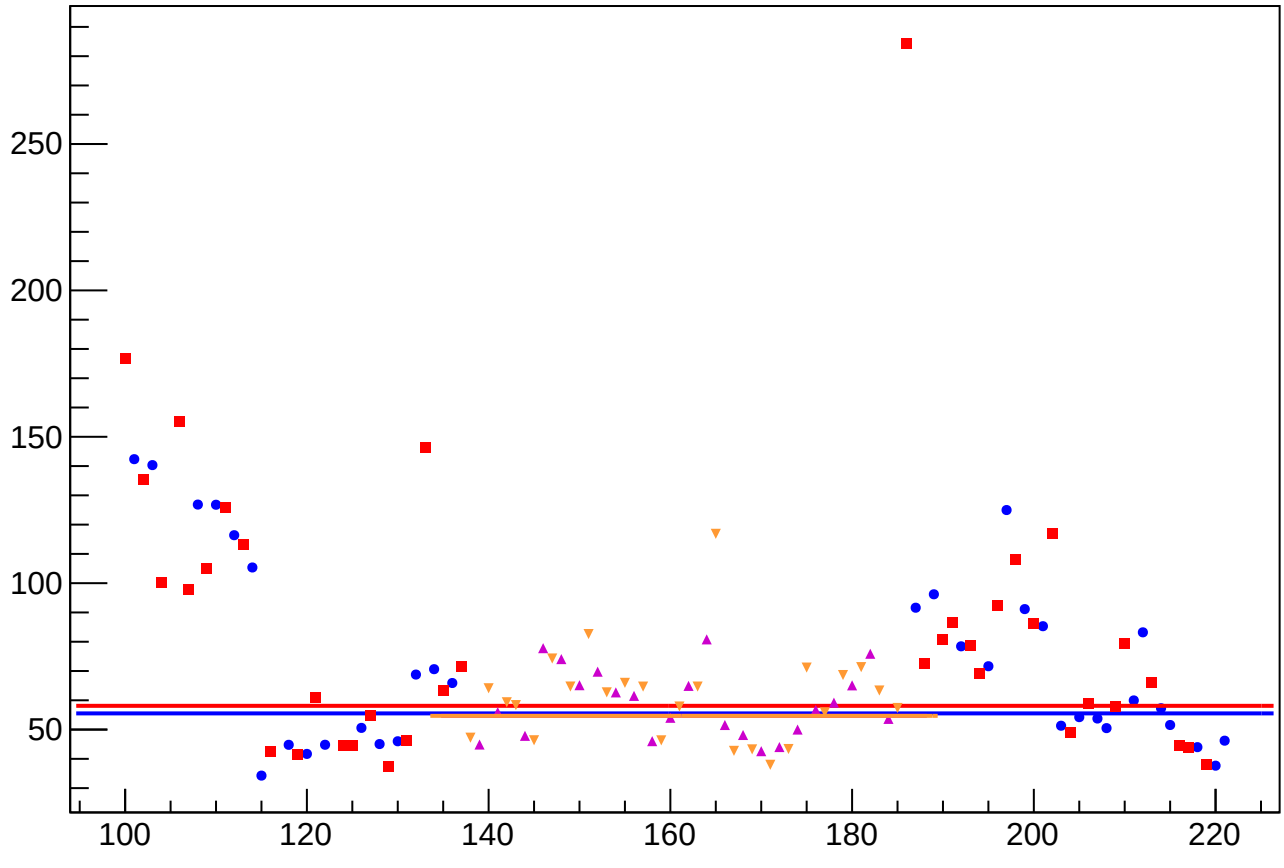
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.004+/-0.009 χ^2/NDF: 88.2/70

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.007+/-0.007 χ^2/NDF: 151.2/118



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: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

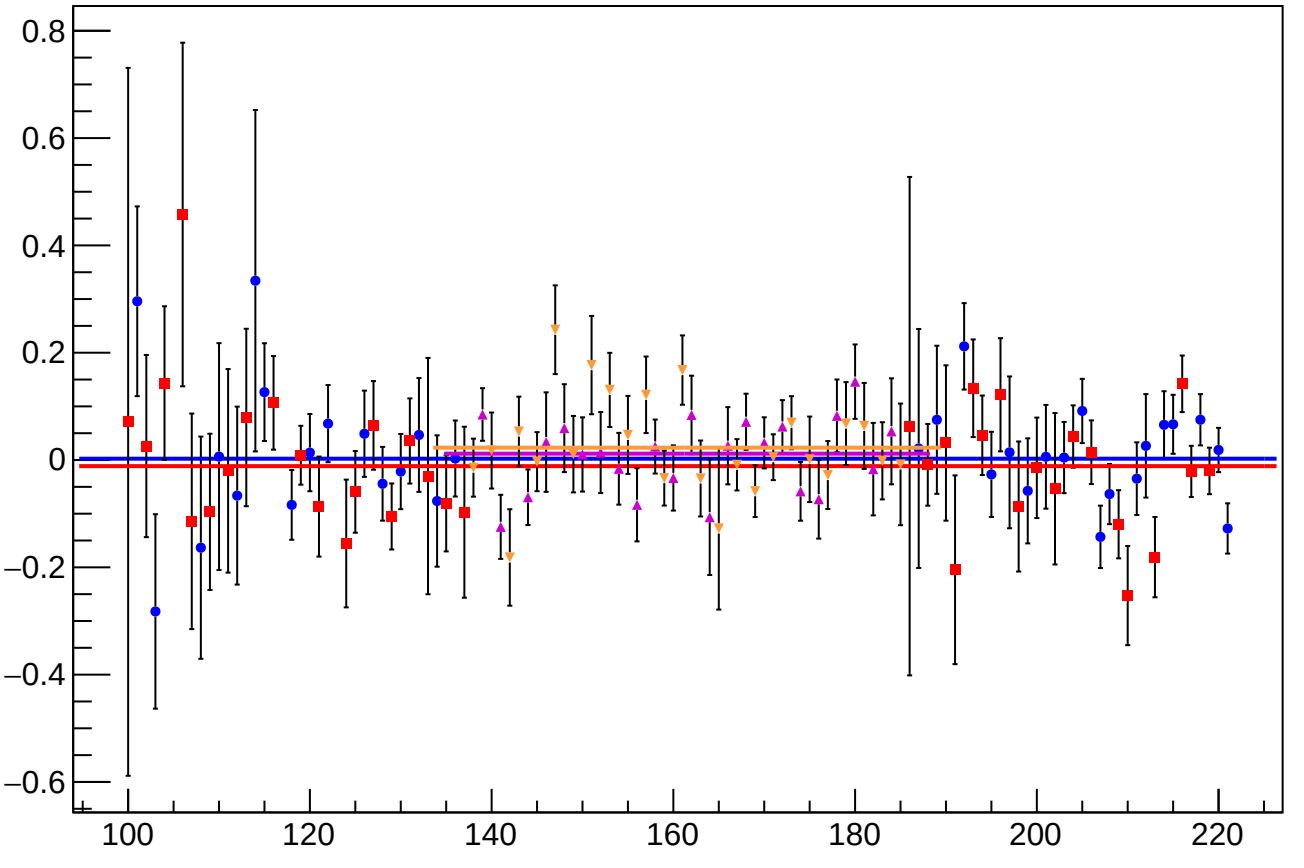
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 56.719+/-0.007 χ^2/NDF: 9751241.6/70

In: 55.116+/-0.007 χ^2/NDF:5565501.1/56

Out: 56.268+/-0.007 χ^2/NDF:7344992.0/61

All: 55.679+/-0.005 χ^2/NDF: 12925610.6/118



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: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

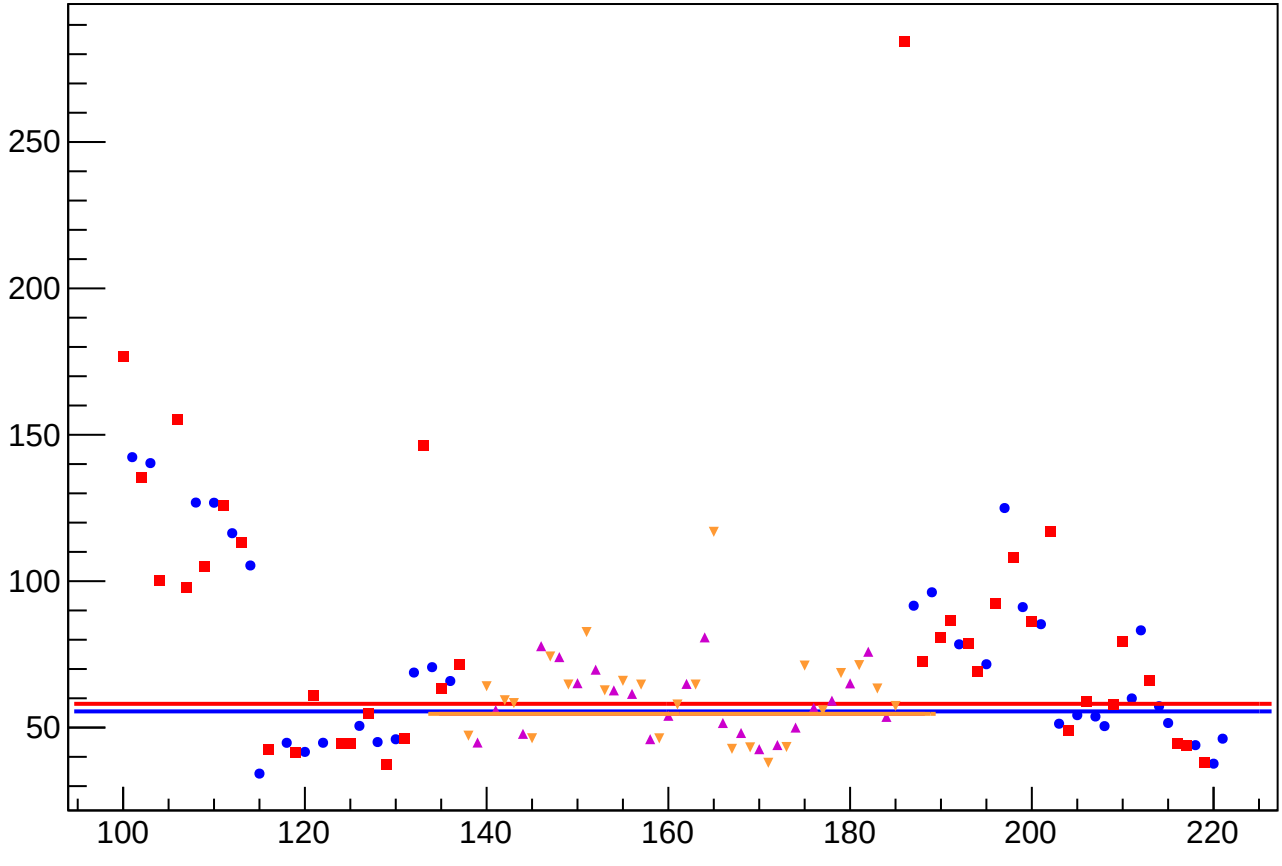
Right: -0.004+/-0.009 χ^2/NDF: 88.2/70

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.007+/-0.007 χ^2/NDF: 151.2/118

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

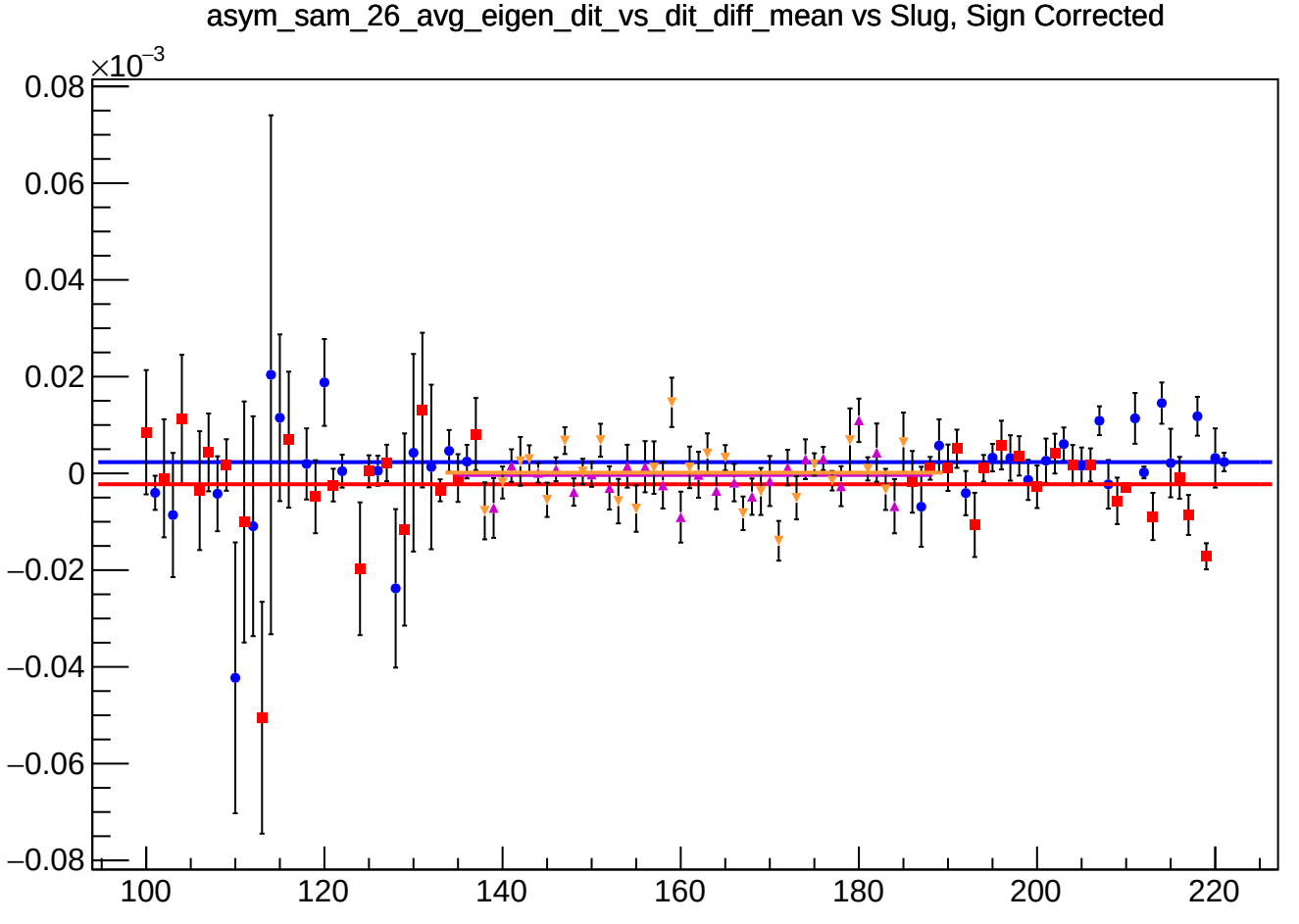
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 56.719+/-0.007 χ^2/NDF: 9751241.6/70

In: 55.116+/-0.007 χ^2/NDF:5565501.1/56

Out: 56.268+/-0.007 χ^2/NDF:7344992.0/61

All: 55.679+/-0.005 χ^2/NDF: 12925610.6/118



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: 68.9/36

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

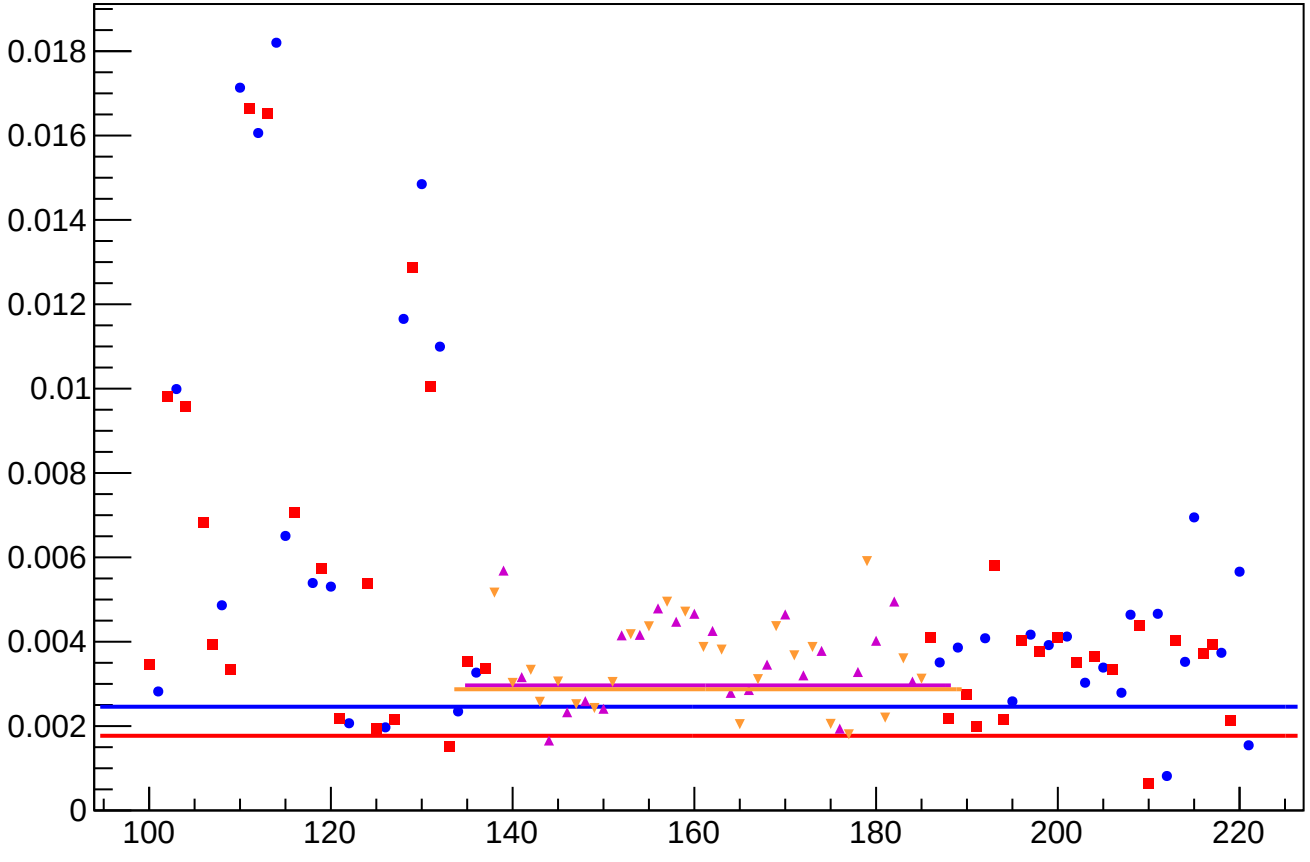
Right: -0.000+/-0.000 χ^2/NDF: 147.7/70

In: 0.000+/-0.000 χ^2/NDF:77.1/56

Out: -0.000+/-0.000 χ^2/NDF:130.2/61

All: -0.000+/-0.000 χ^2/NDF: 222.8/118

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: 16794861.6/36

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

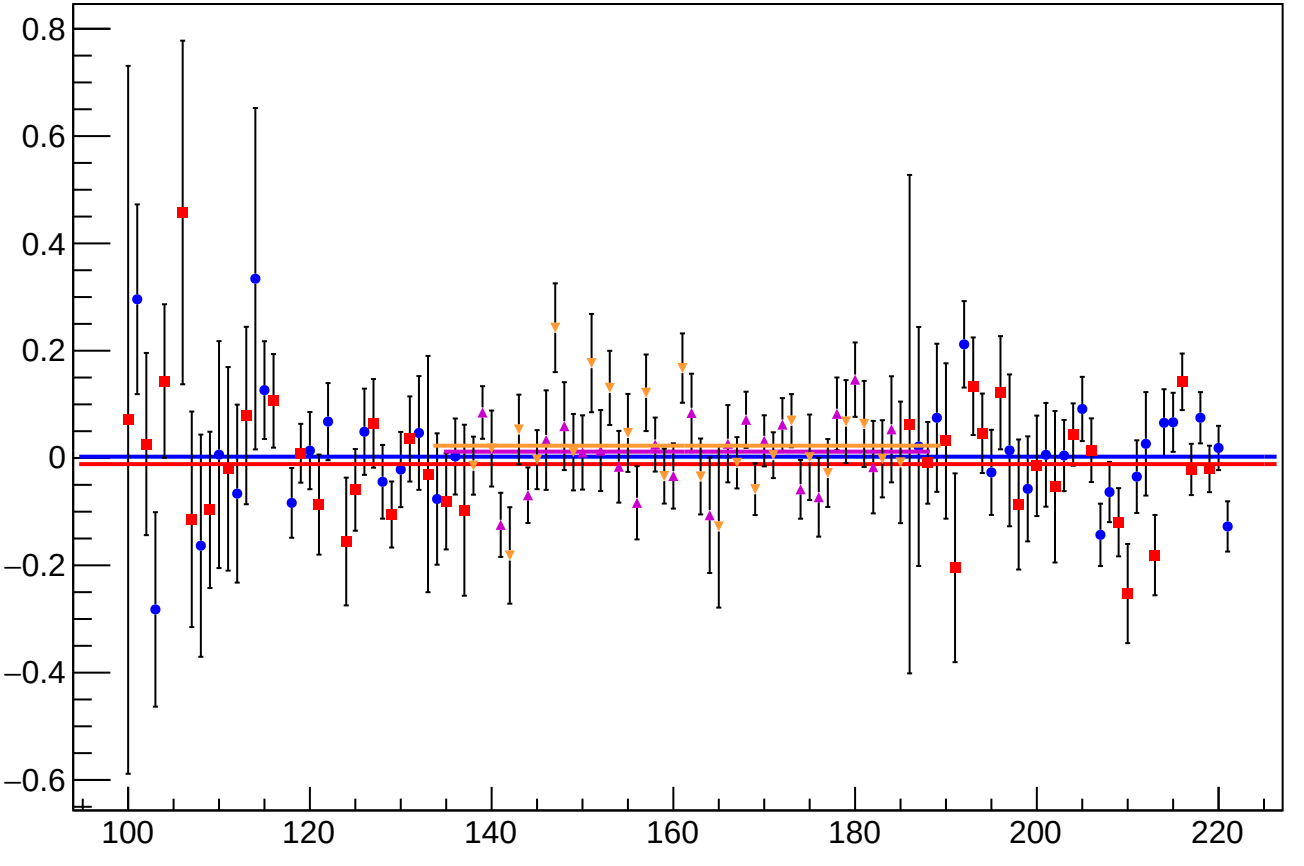
Right: 0.002+/-0.000 χ^2/NDF: 31073221.4/70

In: 0.003+/-0.000 χ^2/NDF:17072047.4/56

Out: 0.002+/-0.000 χ^2/NDF:23621396.3/61

All: 0.002+/-0.000 χ^2/NDF: 41909648.8/118

asym_sam_26_avg_eigen_dit_vs_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: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

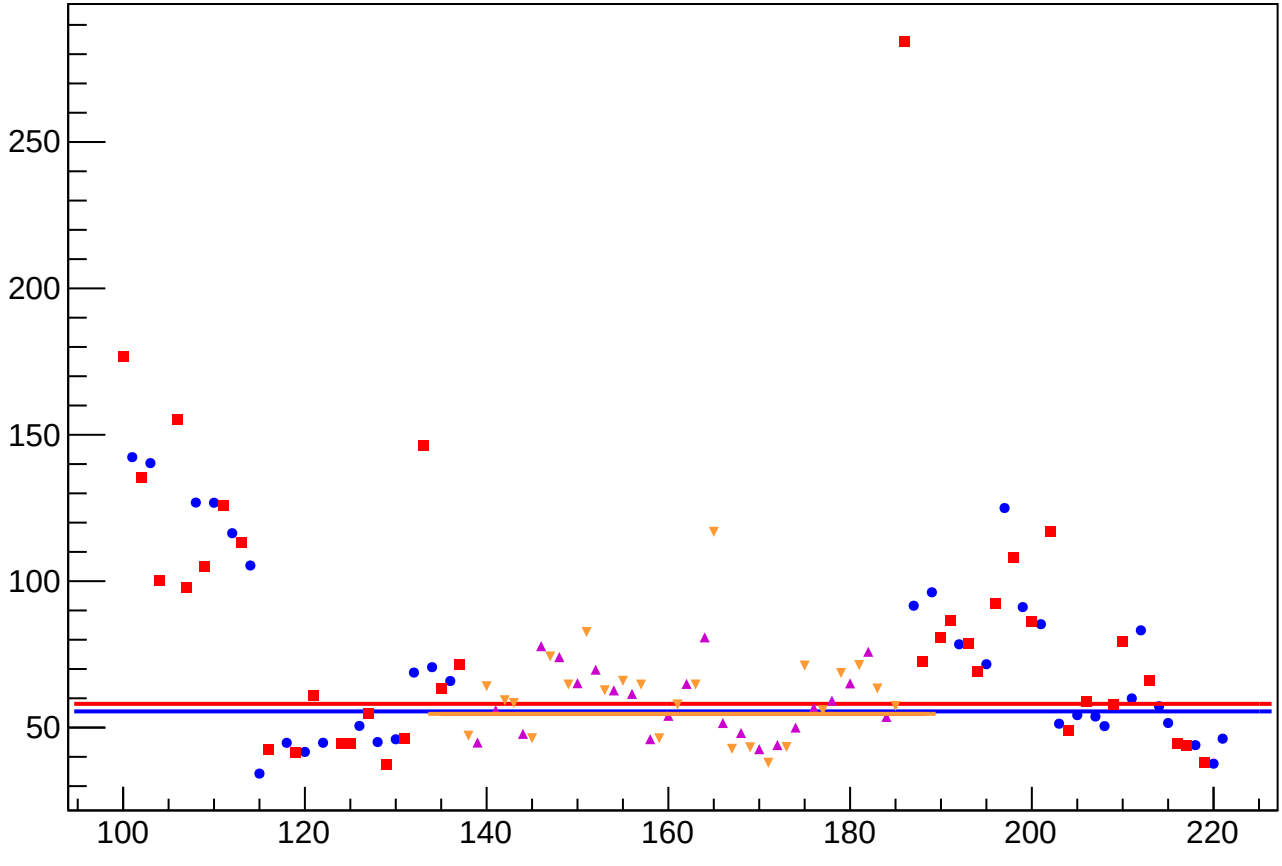
Right: -0.004+/-0.009 χ^2/NDF: 88.2/70

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.007+/-0.007 χ^2/NDF: 151.2/118

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: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

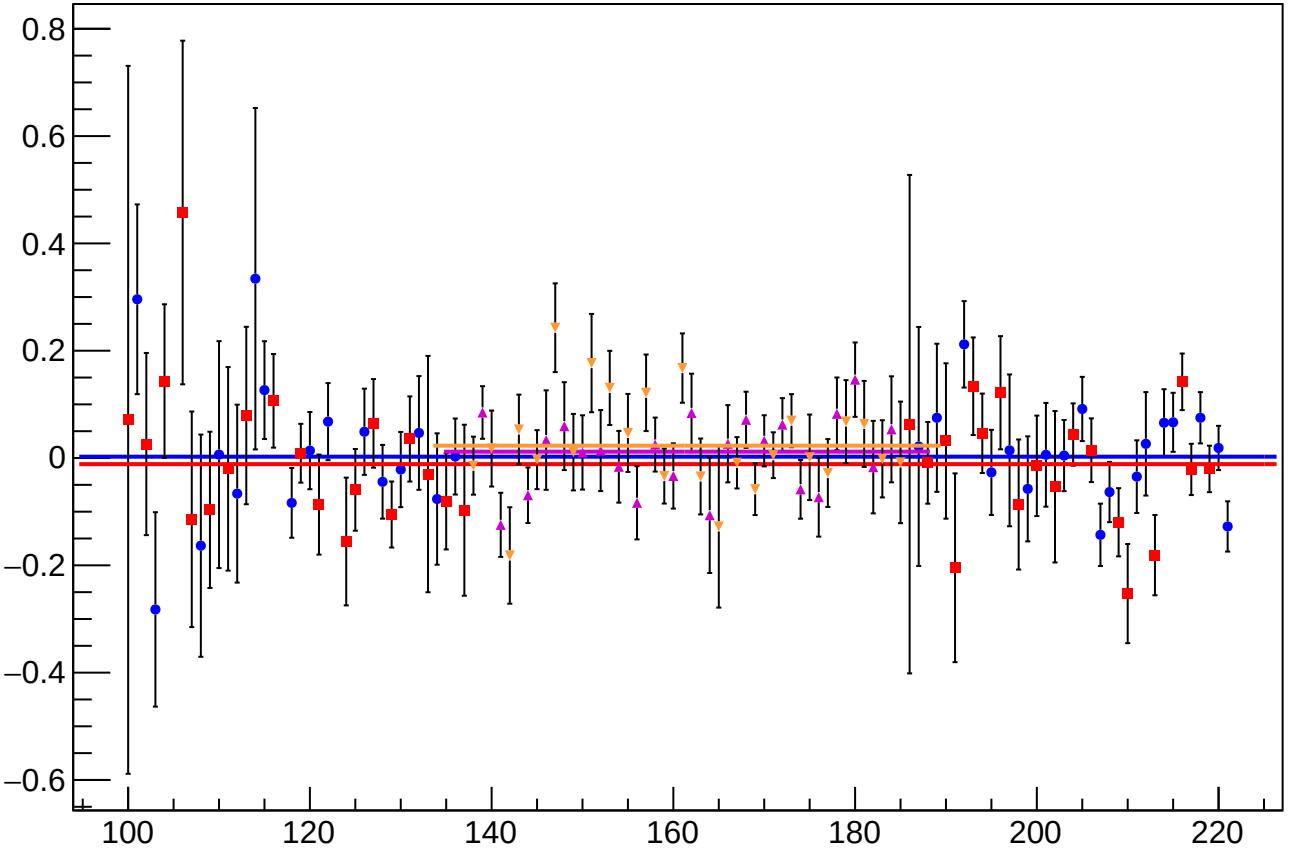
Right: 56.718+/-0.007 χ^2/NDF: 9751341.7/70

In: 55.117+/-0.007 χ^2/NDF:5565496.1/56

Out: 56.268+/-0.007 χ^2/NDF:7345020.8/61

All: 55.679+/-0.005 χ^2/NDF: 12925632.5/118

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: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

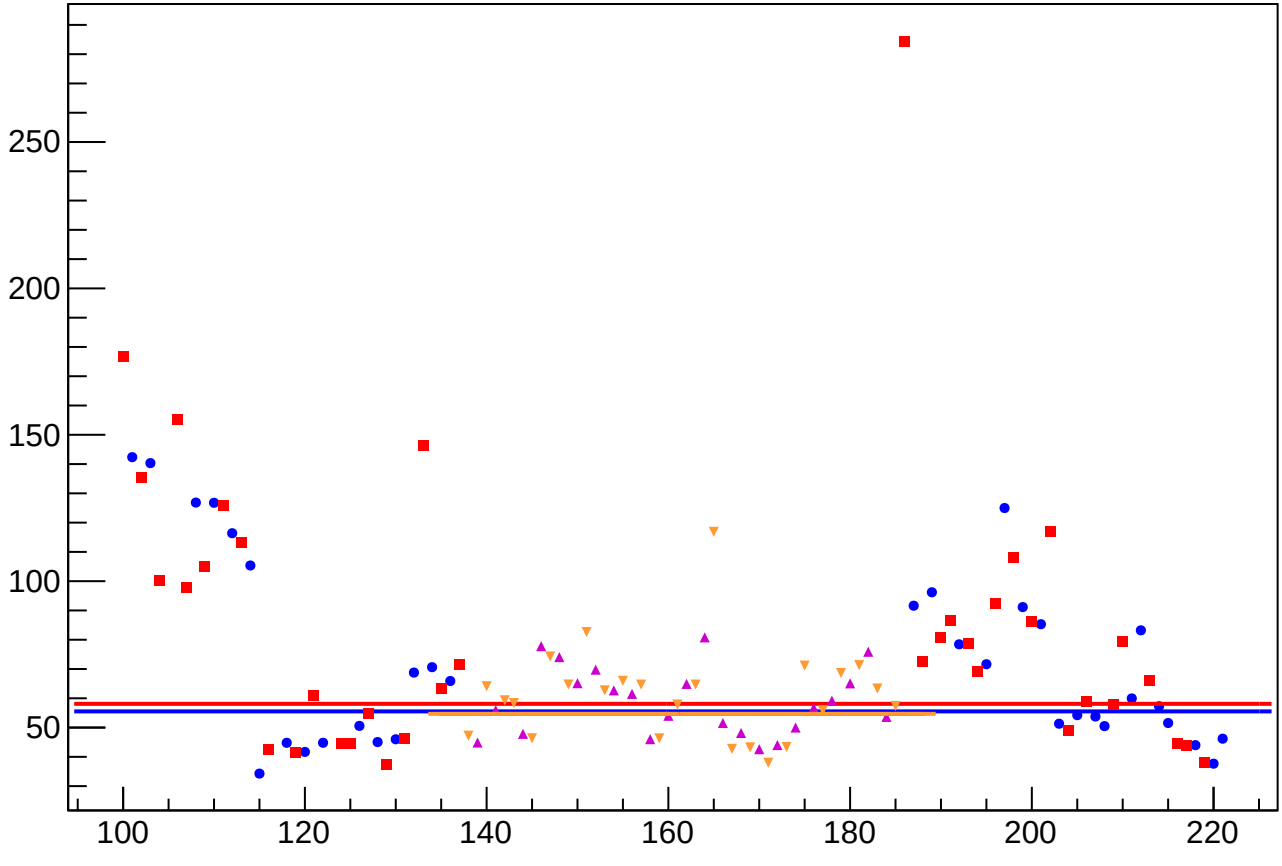
Right: -0.004+/-0.009 χ^2/NDF: 88.2/70

In: 0.007+/-0.009 χ^2/NDF:69.6/56

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.007+/-0.007 χ^2/NDF: 151.2/118

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: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

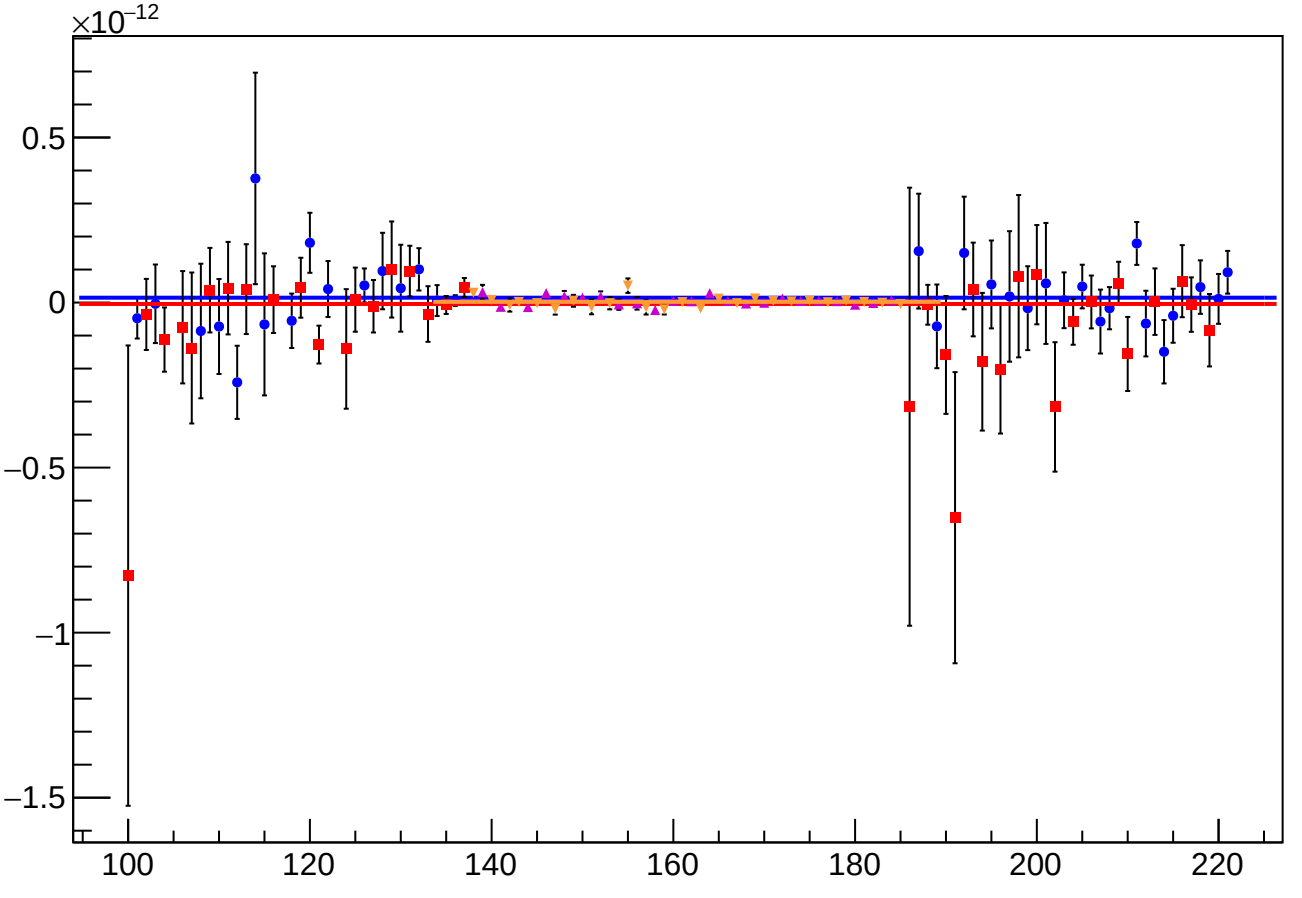
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 56.718+/-0.007 χ^2/NDF: 9751341.7/70

In: 55.117+/-0.007 χ^2/NDF:5565496.1/56

Out: 56.268+/-0.007 χ^2/NDF:7345020.8/61

All: 55.679+/-0.005 χ^2/NDF: 12925632.5/118



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: 26.7/36

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

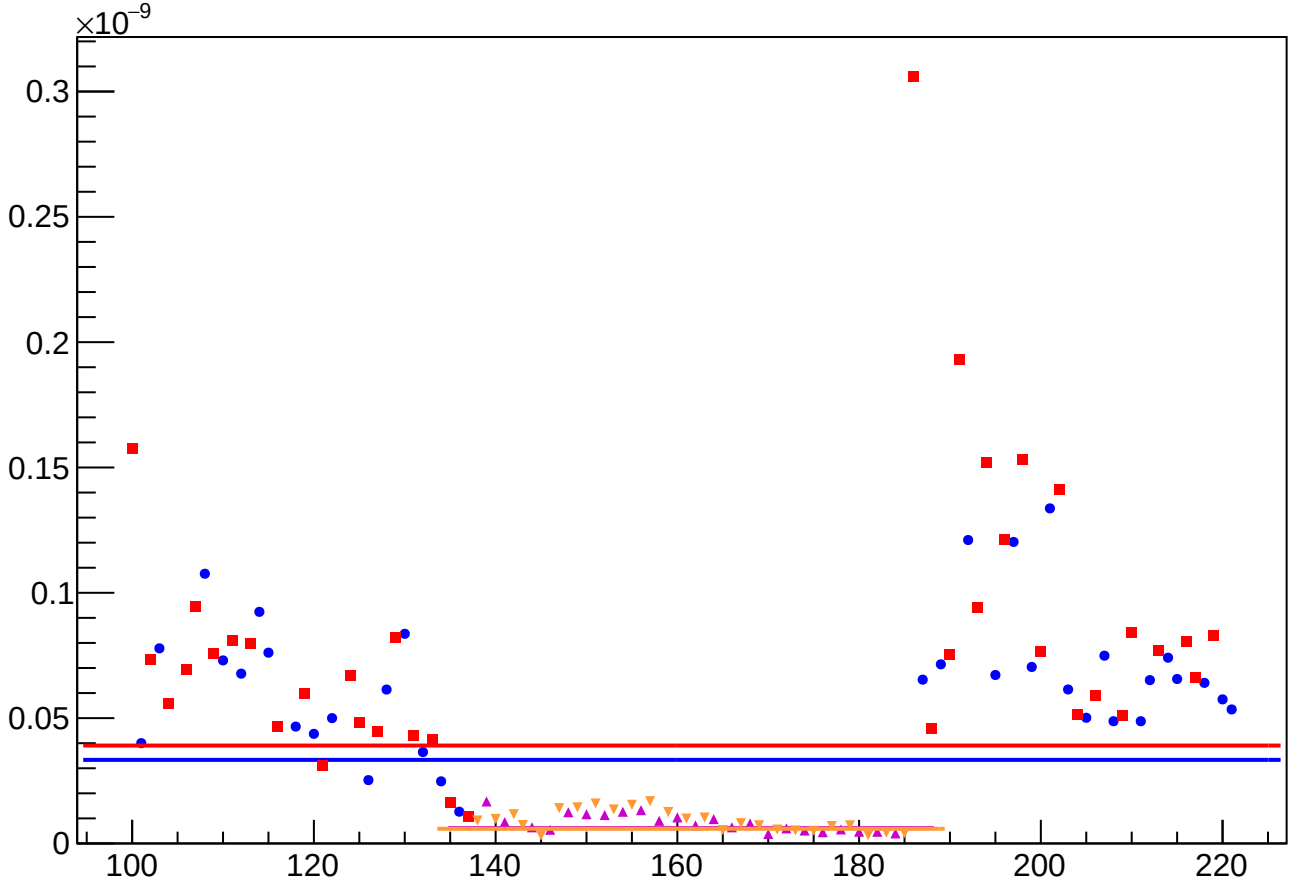
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 58.7/70

In: 0.000+/-0.000 χ^2/NDF:65.0/56

Out: 0.000+/-0.000 χ^2/NDF:47.7/61

All: 0.000+/-0.000 χ^2/NDF: 112.8/118



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: 9505834.6/36

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

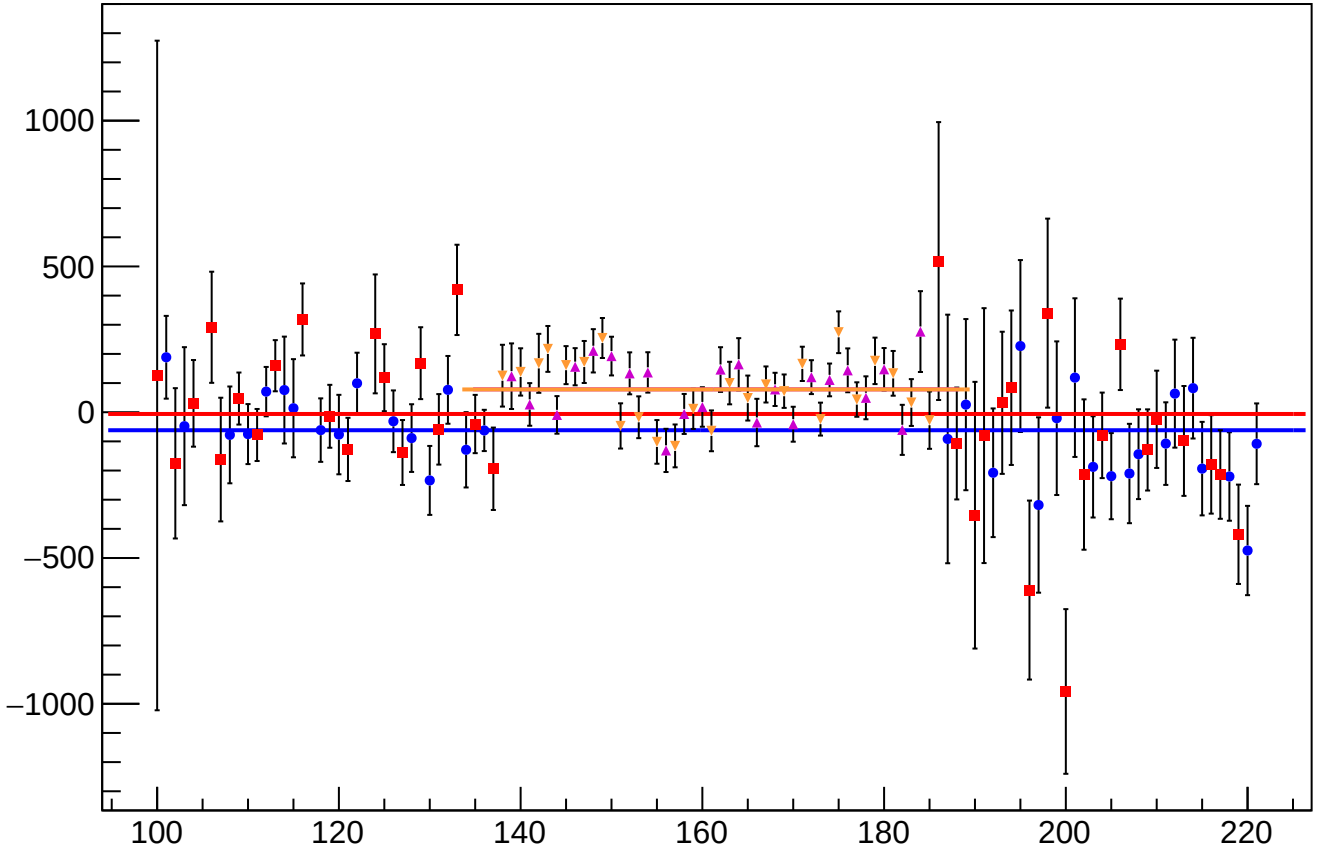
Right: 0.000+/-0.000 χ^2/NDF: 19311763.2/70

In: 0.000+/-0.000 χ^2/NDF:24610360.7/56

Out: 0.000+/-0.000 χ^2/NDF:27492802.2/61

All: 0.000+/-0.000 χ^2/NDF: 52152902.5/118

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: -5.983+/-24.461 χ^2/NDF: 63.9/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

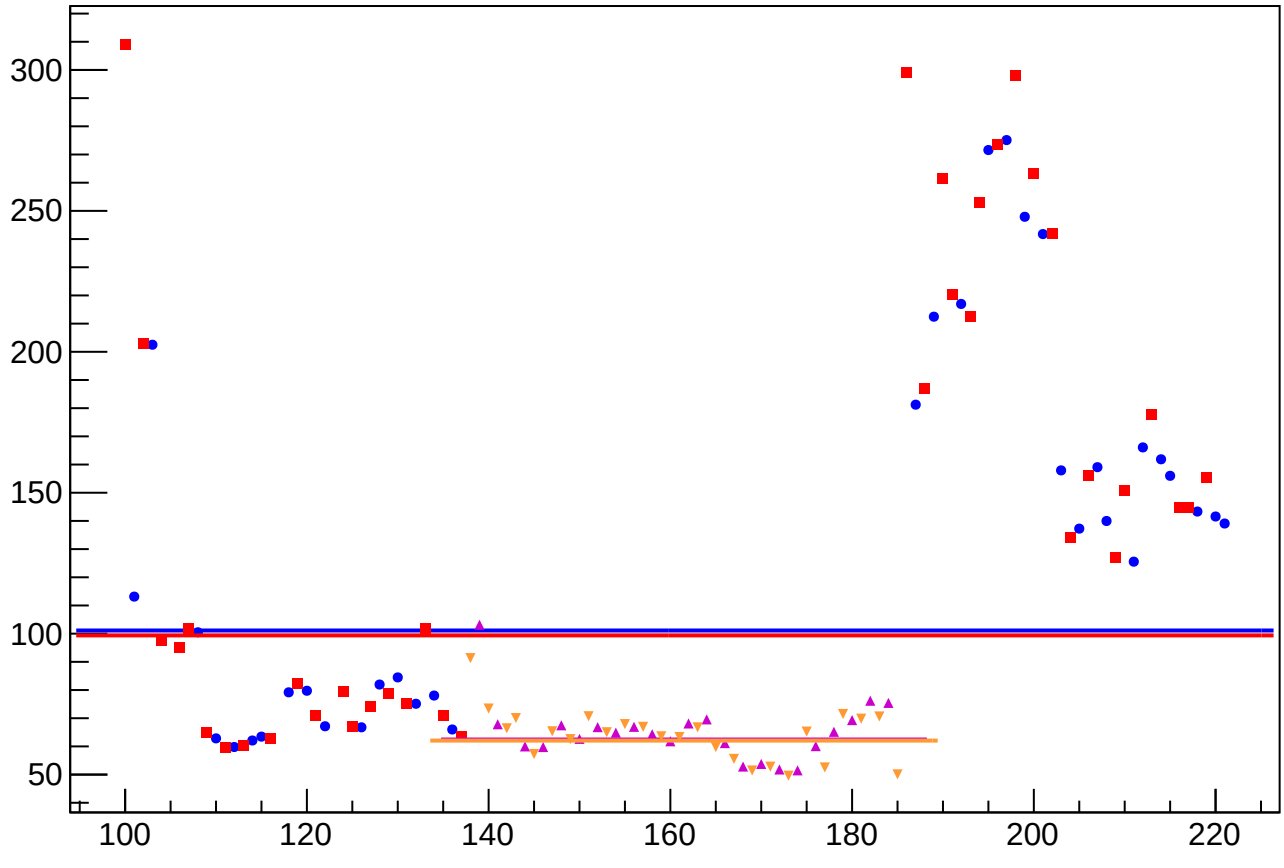
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -34.345+/-17.148 χ^2/NDF: 95.0/70

In: 39.926+/-12.611 χ^2/NDF:89.8/56

Out: 56.670+/-12.362 χ^2/NDF:126.6/61

All: 48.465+/-8.828 χ^2/NDF: 217.2/118



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: 99.386+/-0.017 χ^2/NDF: 9029995.2/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

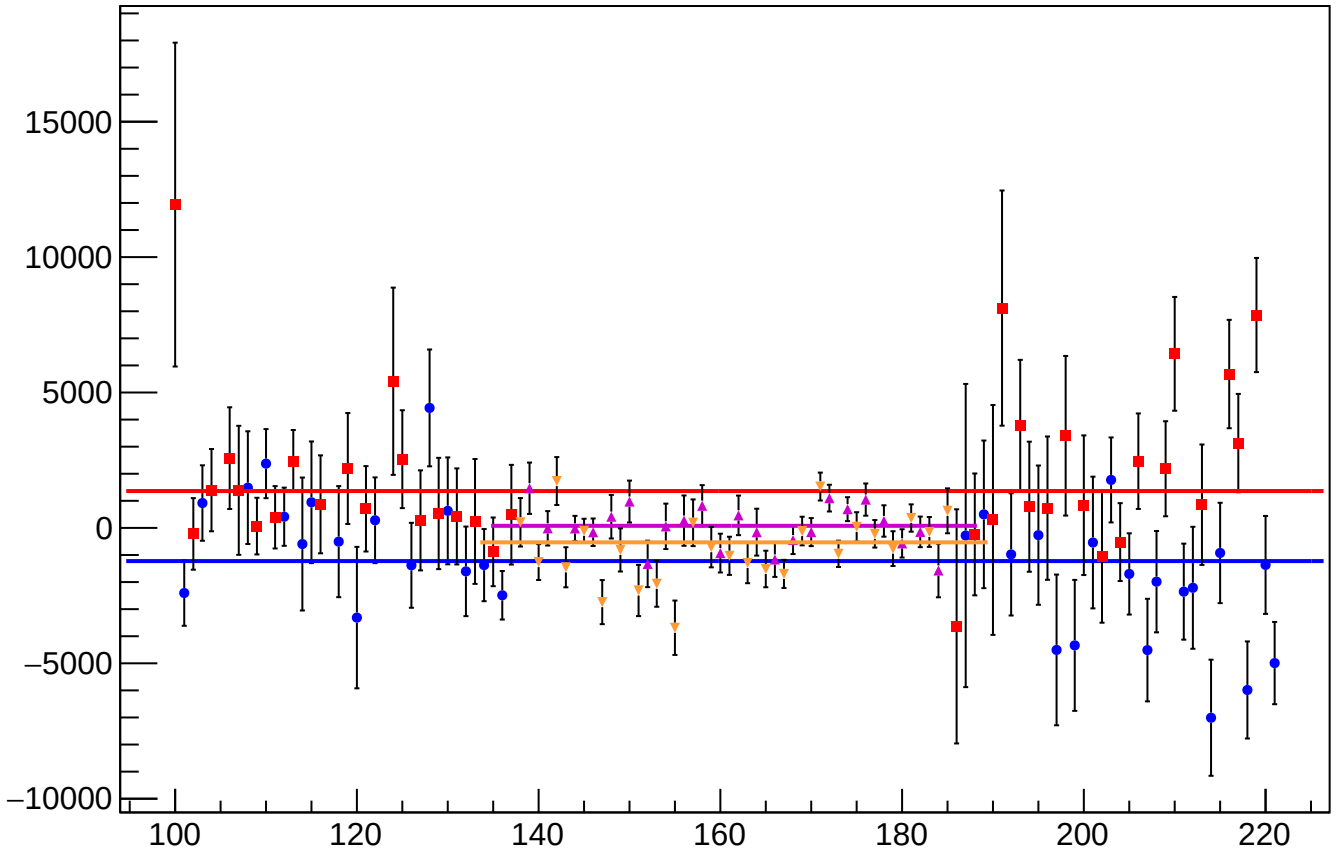
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 100.270+/-0.012 χ^2/NDF: 16902809.9/70

In: 73.085+/-0.009 χ^2/NDF:12284112.4/56

Out: 71.594+/-0.009 χ^2/NDF:13183564.5/61

All: 72.325+/-0.006 χ^2/NDF: 25481919.3/118



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: 1361.830+/-303.844 χ^2/NDF: 45.0/36

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

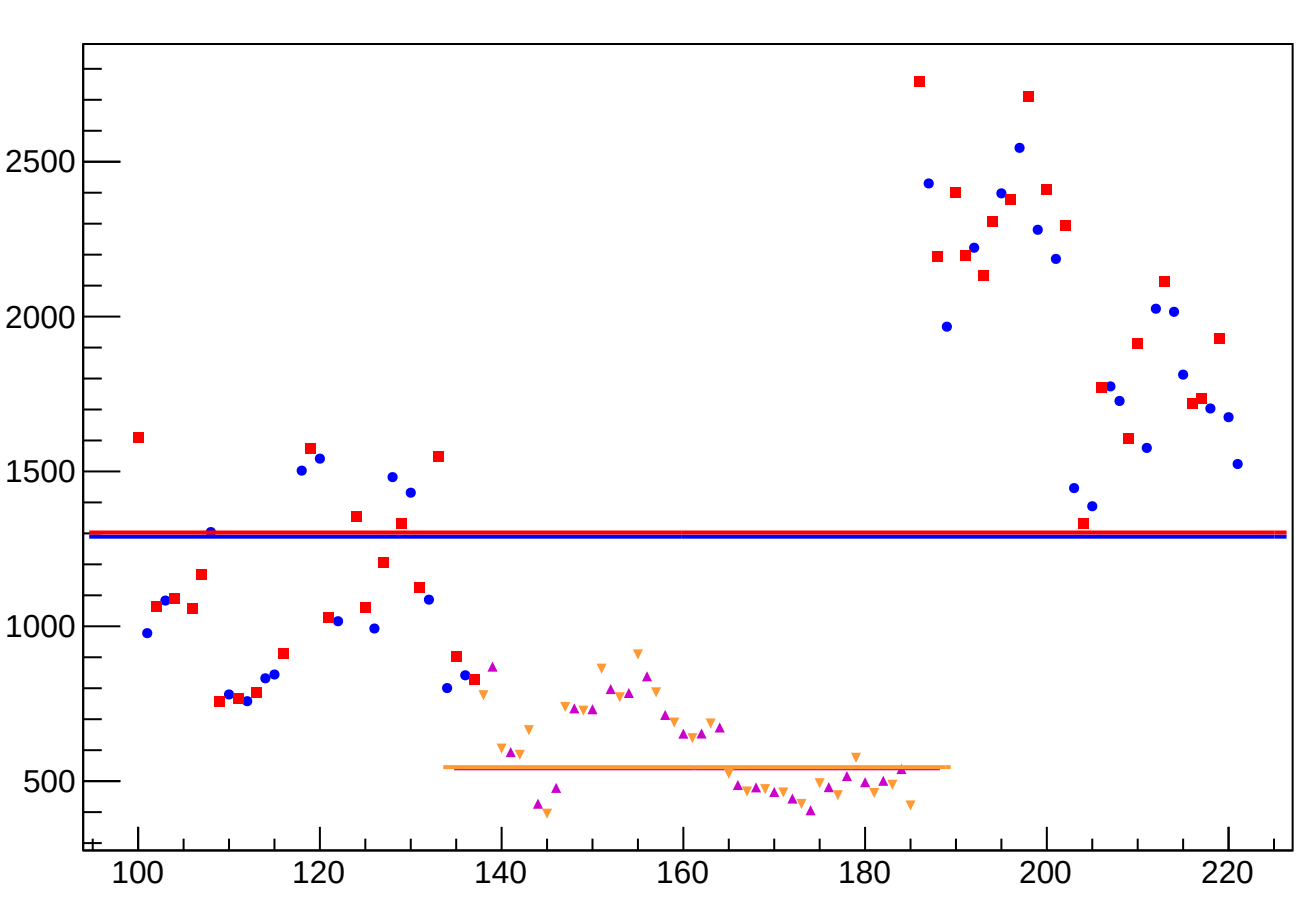
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 25.102+/-211.221 χ^2/NDF: 142.0/70

In: -136.677+/-119.127 χ^2/NDF:104.3/56

Out: -247.503+/-117.903 χ^2/NDF:147.1/61

All: -192.662+/-83.799 χ^2/NDF: 251.9/118



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: 1302.917+/-0.215 χ^2/NDF: 5979414.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

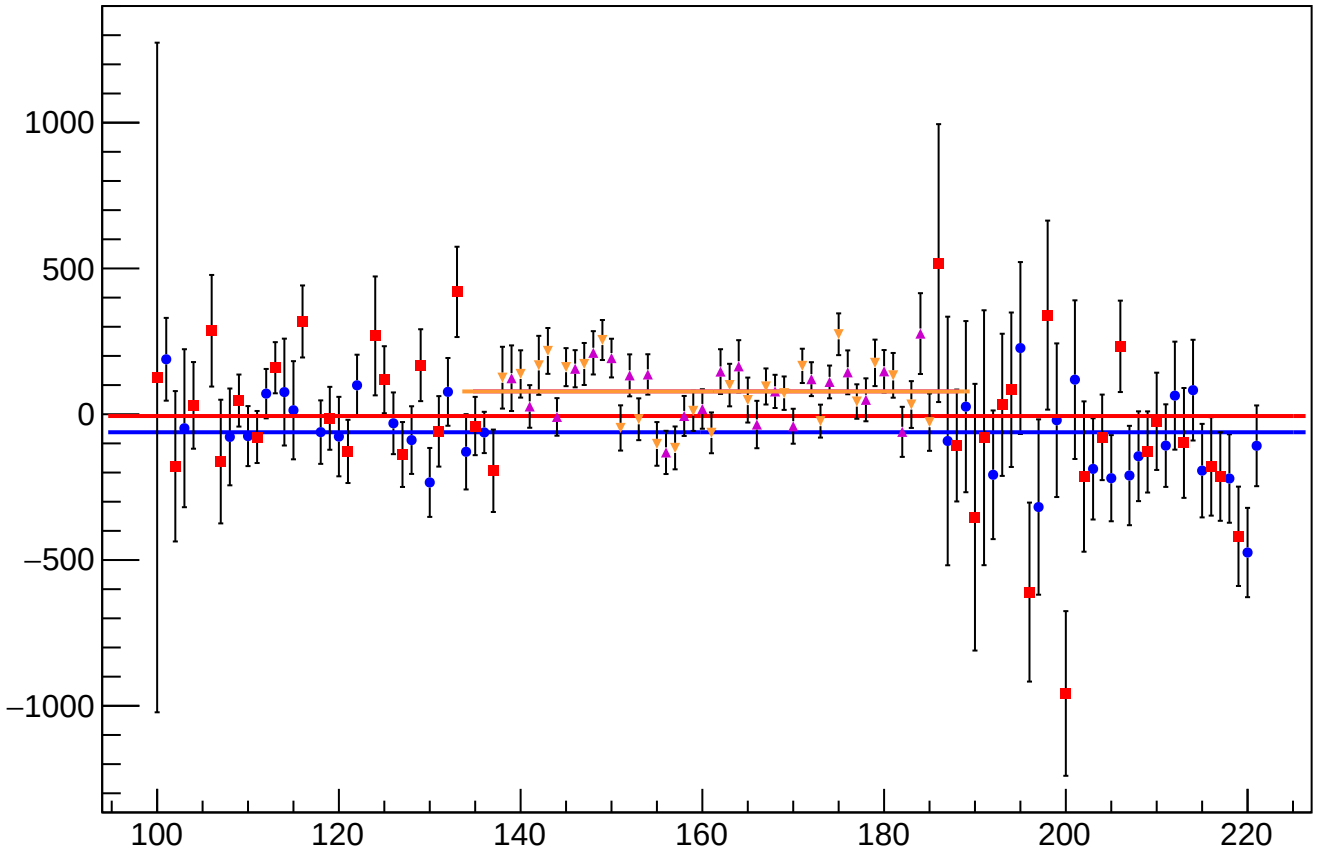
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1295.960+/-0.149 χ^2/NDF: 11214571.4/70

In: 664.407+/-0.084 χ^2/NDF:17904004.0/56

Out: 659.380+/-0.083 χ^2/NDF:18625163.0/61

All: 661.867+/-0.059 χ^2/NDF: 36530966.1/11



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: -6.136+/-24.463 χ^2/NDF: 63.8/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

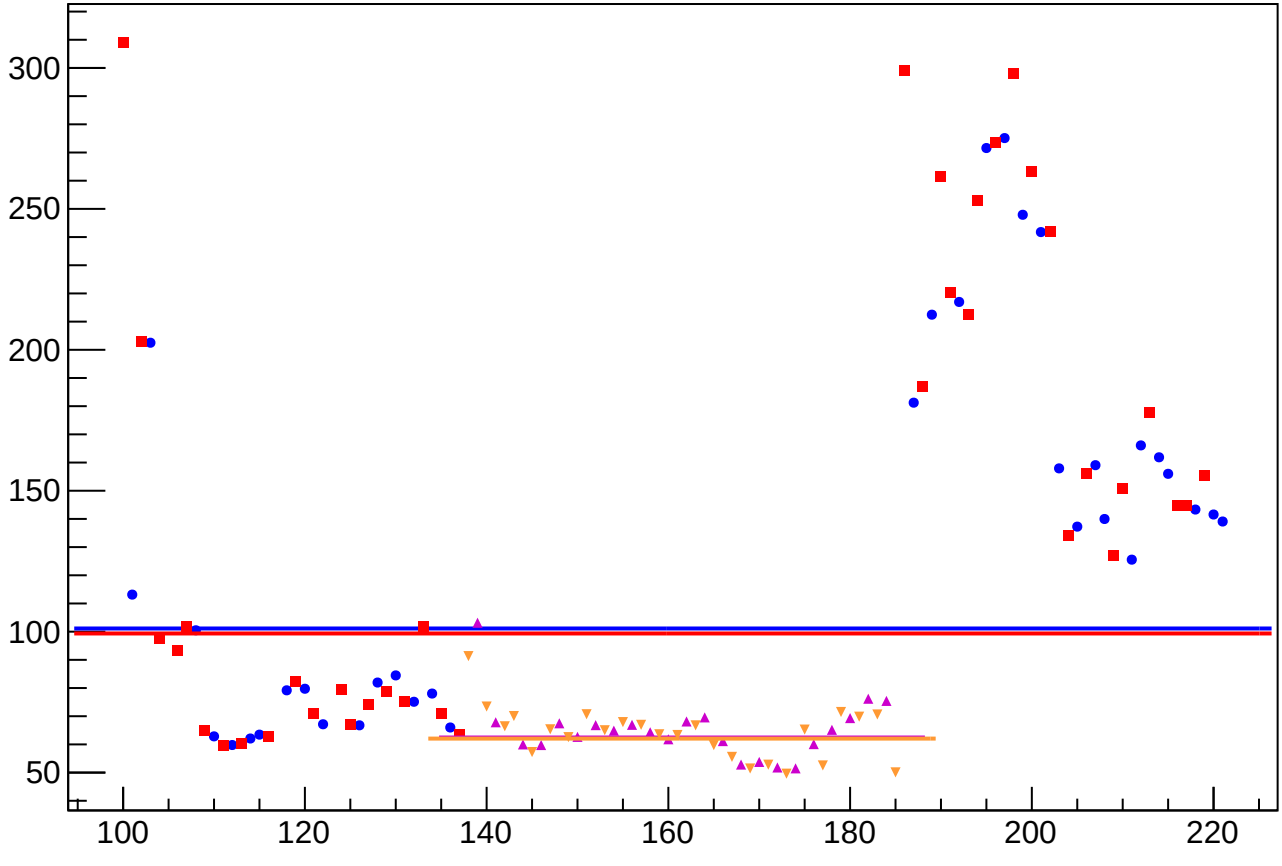
Right: -34.426+/-17.148 χ^2/NDF: 94.9/70

In: 39.924+/-12.611 χ^2/NDF:89.8/56

Out: 56.636+/-12.362 χ^2/NDF:126.5/61

All: 48.447+/-8.828 χ^2/NDF: 217.2/118

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: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

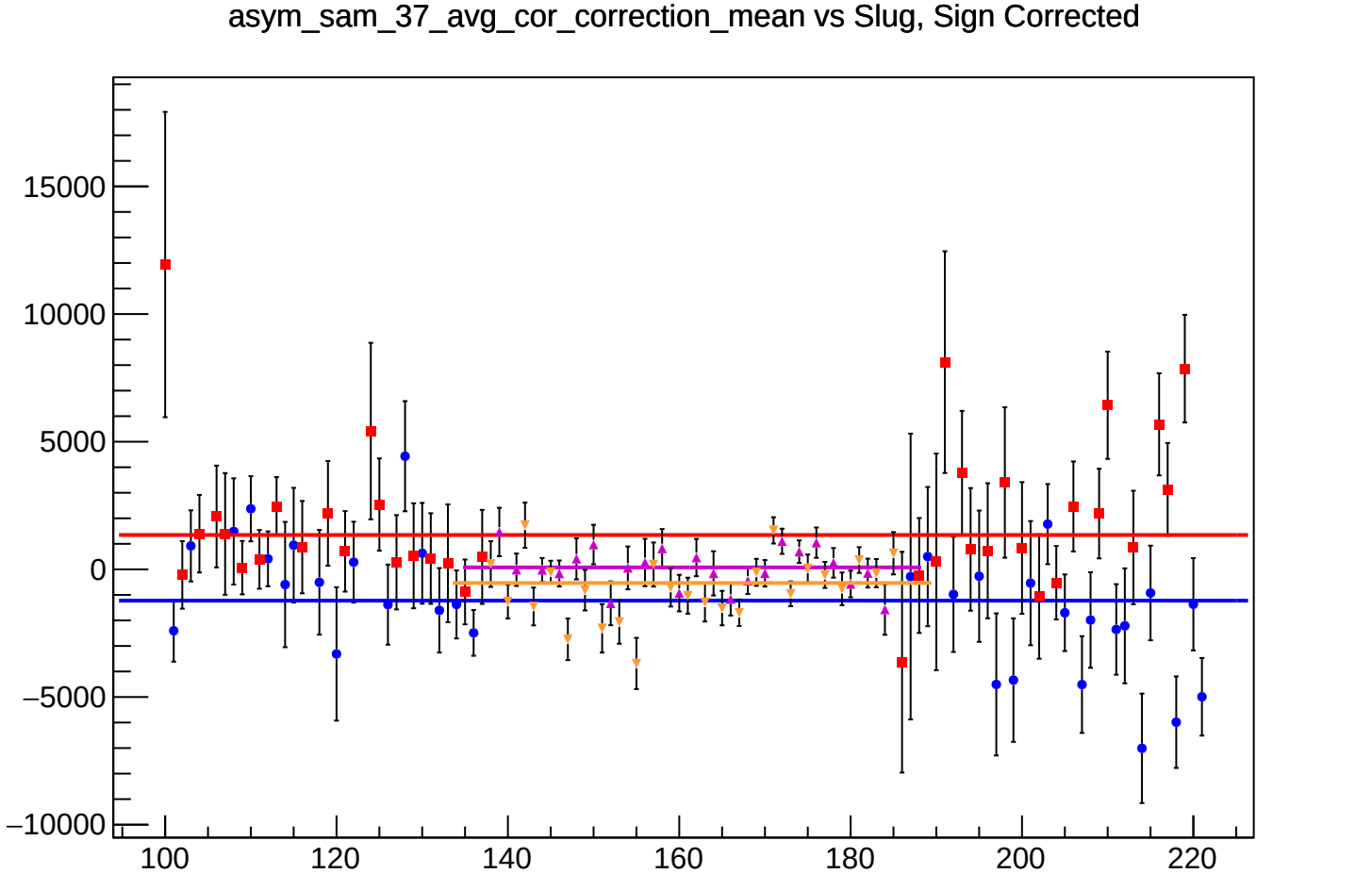
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 100.257+/-0.012 χ^2/NDF: 16904151.8/70

In: 73.085+/-0.009 χ^2/NDF:12284114.4/56

Out: 71.586+/-0.009 χ^2/NDF:13179321.2/61

All: 72.321+/-0.006 χ^2/NDF: 25477830.7/118



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: 1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

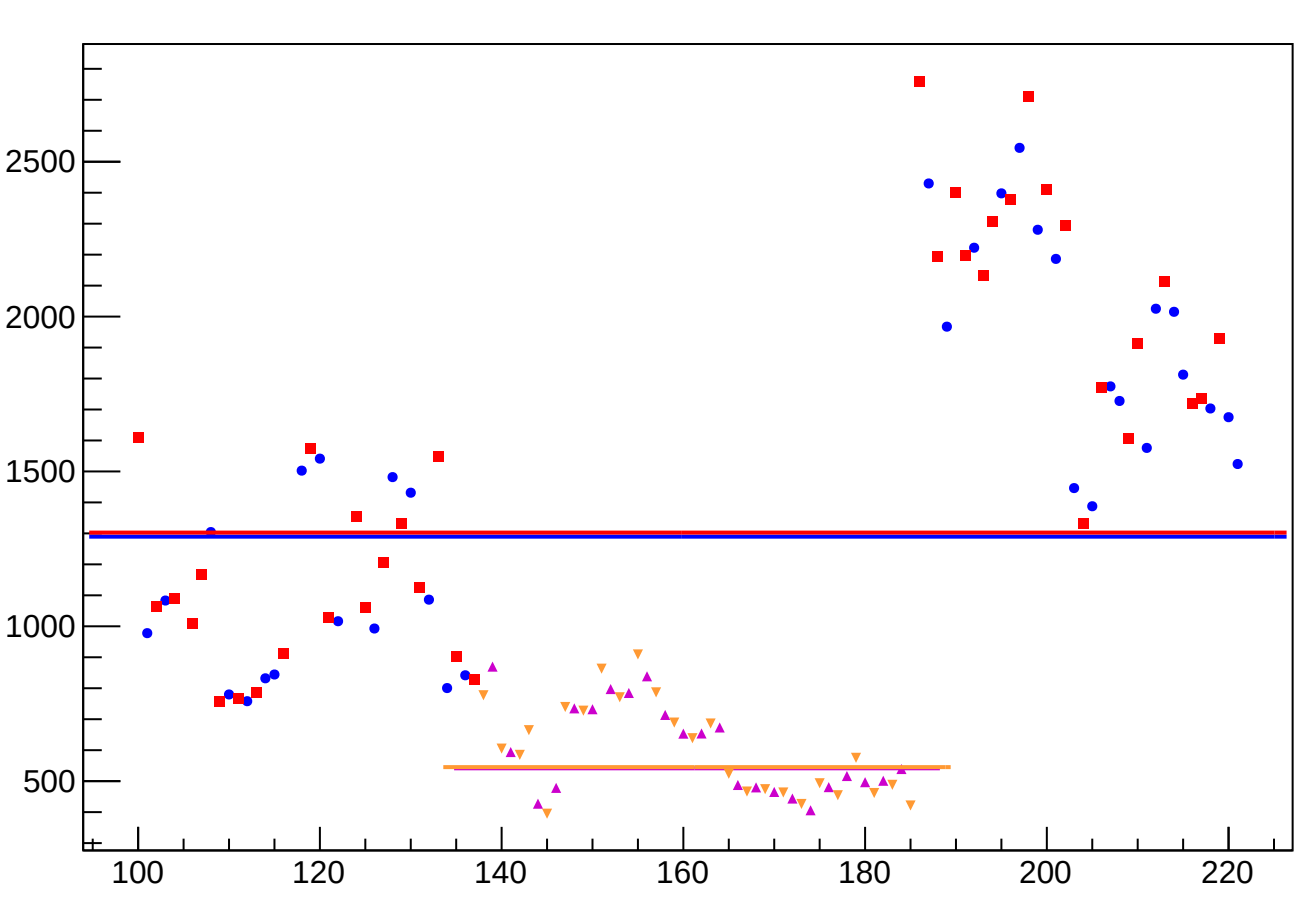
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 15.963+/-211.377 χ^2/NDF: 141.2/70

In: -136.676+/-119.127 χ^2/NDF:104.3/56

Out: -250.473+/-117.930 χ^2/NDF:146.2/61

All: -194.149+/-83.809 χ^2/NDF: 251.0/118



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: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

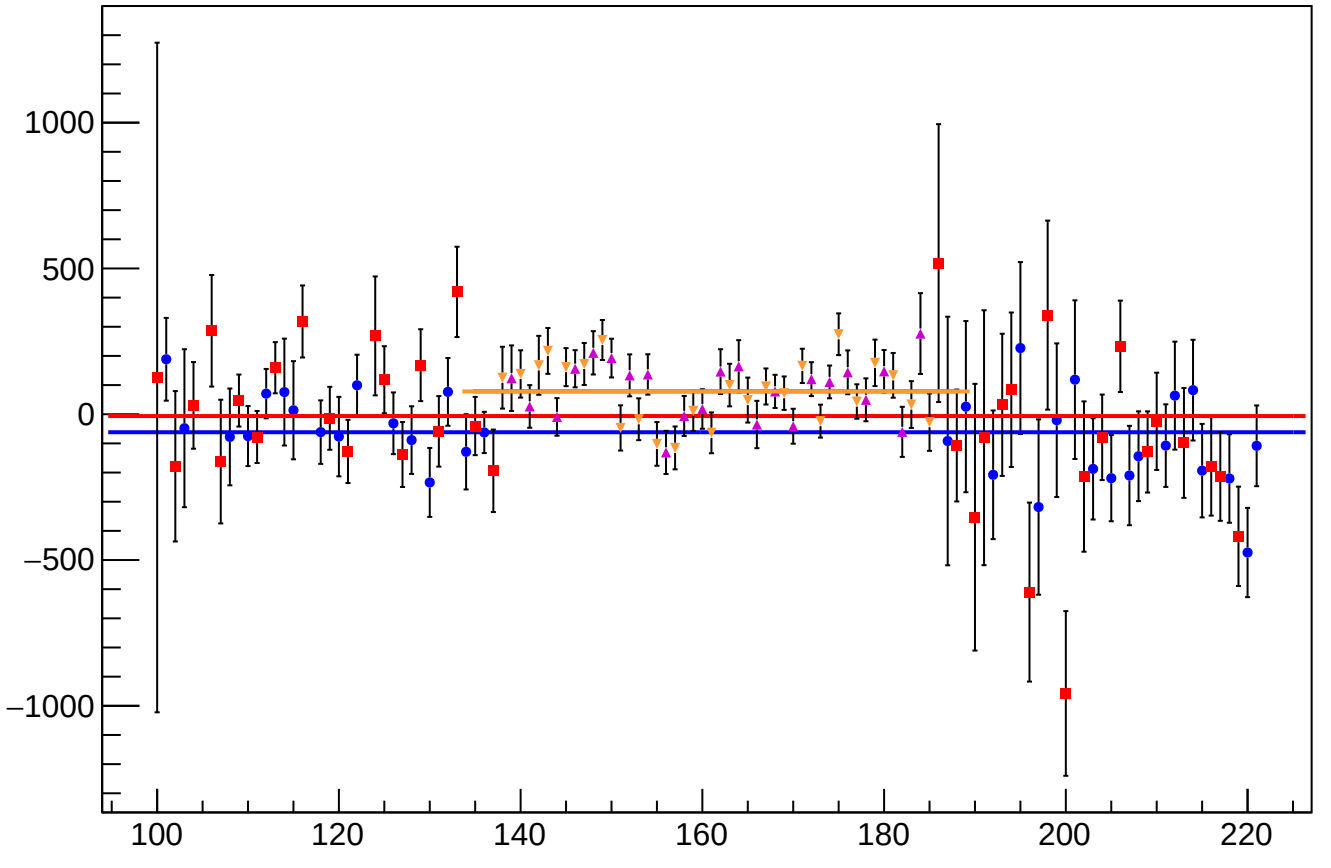
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1295.793+/-0.149 χ^2/NDF: 11223082.5/70

In: 664.407+/-0.084 χ^2/NDF:17904059.8/56

Out: 659.035+/-0.083 χ^2/NDF:18597291.7/61

All: 661.694+/-0.059 χ^2/NDF: 36503405.7/1



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: -6.136+/-24.463 χ^2/NDF: 63.8/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

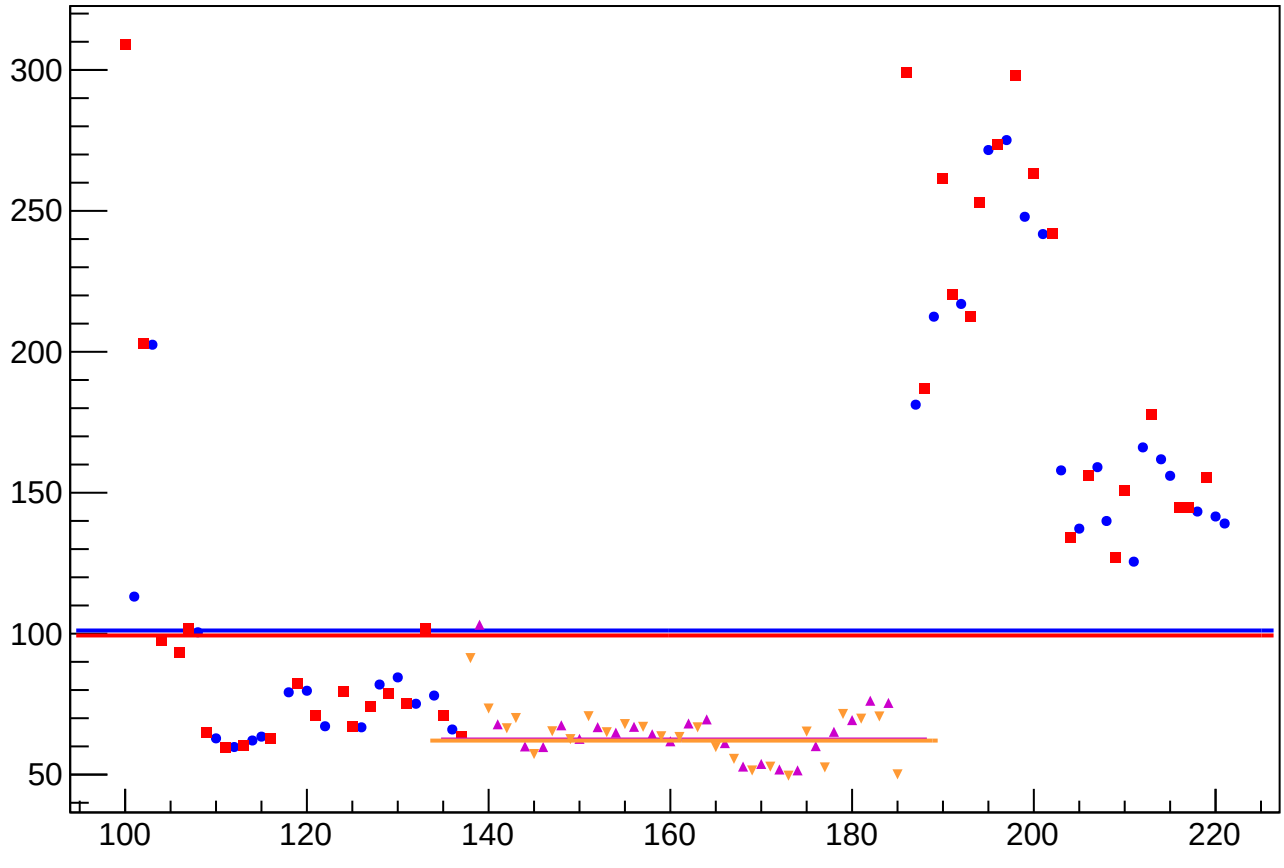
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -34.426+/-17.148 χ^2/NDF: 94.9/70

In: 39.924+/-12.611 χ^2/NDF:89.8/56

Out: 56.636+/-12.362 χ^2/NDF:126.5/61

All: 48.447+/-8.828 χ^2/NDF: 217.2/118



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: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

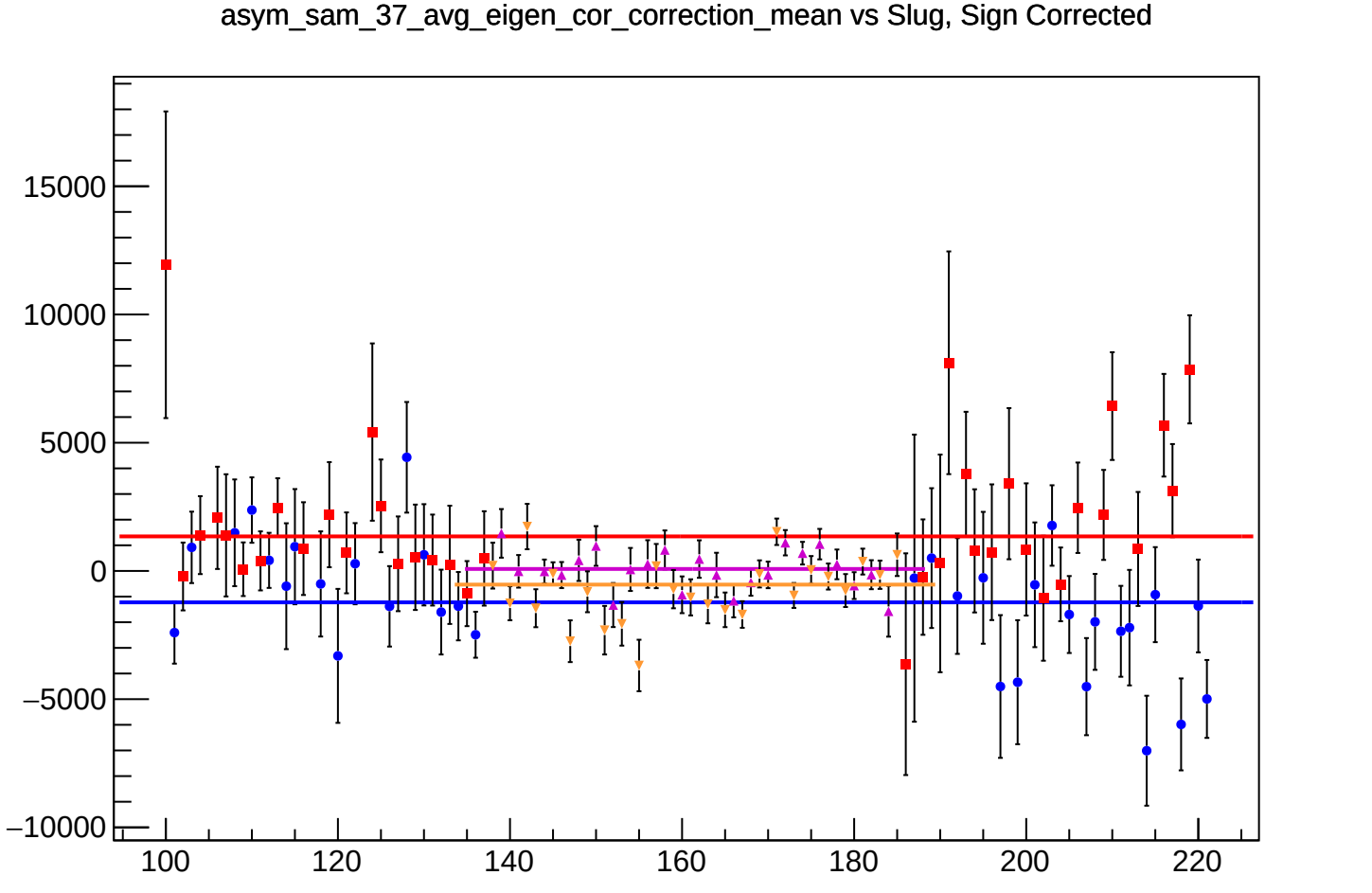
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 100.257+/-0.012 χ^2/NDF: 16904151.8/70

In: 73.085+/-0.009 χ^2/NDF:12284114.4/56

Out: 71.586+/-0.009 χ^2/NDF:13179321.2/61

All: 72.321+/-0.006 χ^2/NDF: 25477830.7/118



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: 1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

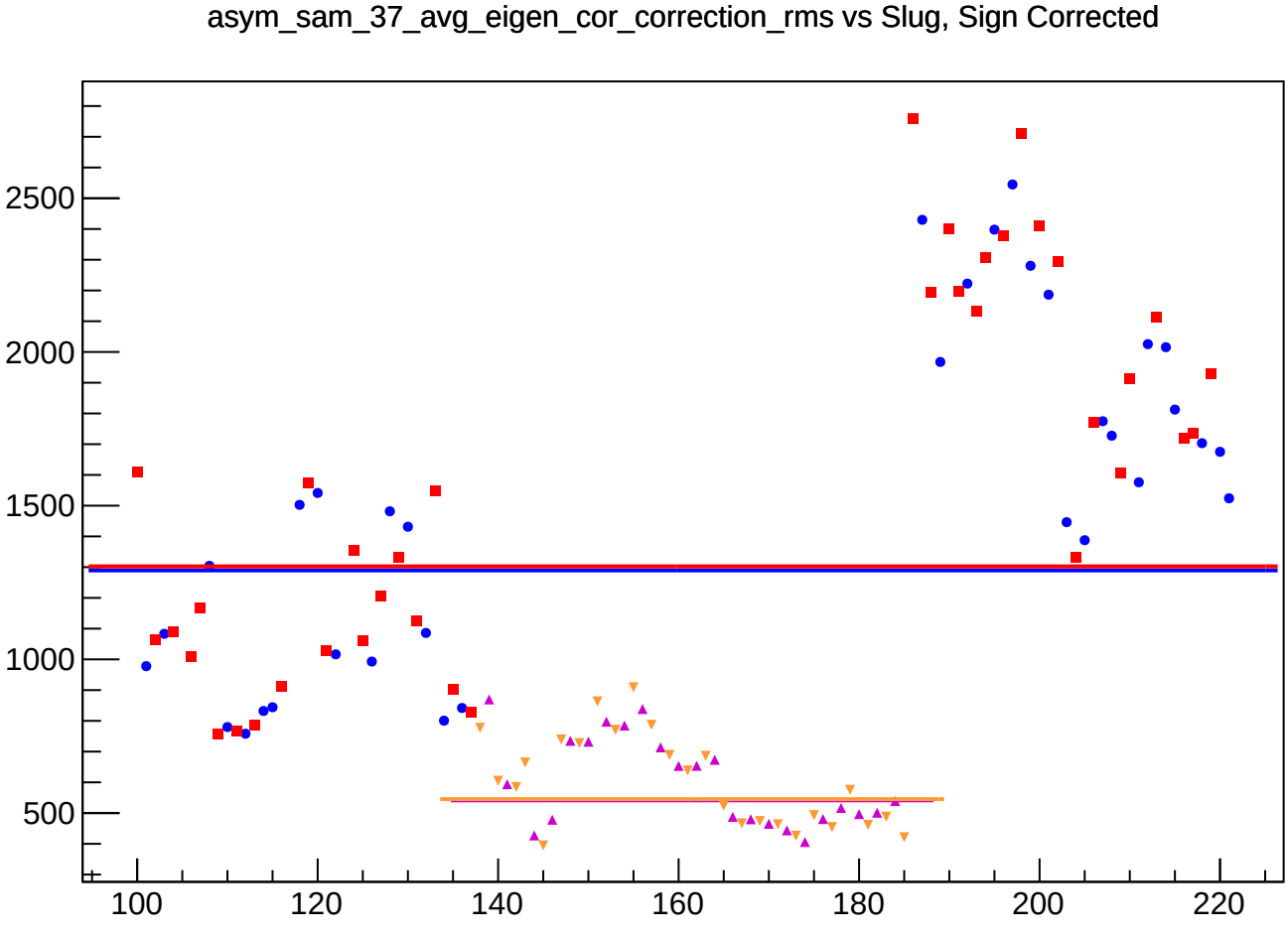
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 15.963+/-211.377 χ^2/NDF: 141.2/70

In: -136.676+/-119.127 χ^2/NDF:104.3/56

Out: -250.473+/-117.930 χ^2/NDF:146.2/61

All: -194.149+/-83.809 χ^2/NDF: 251.0/118



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: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

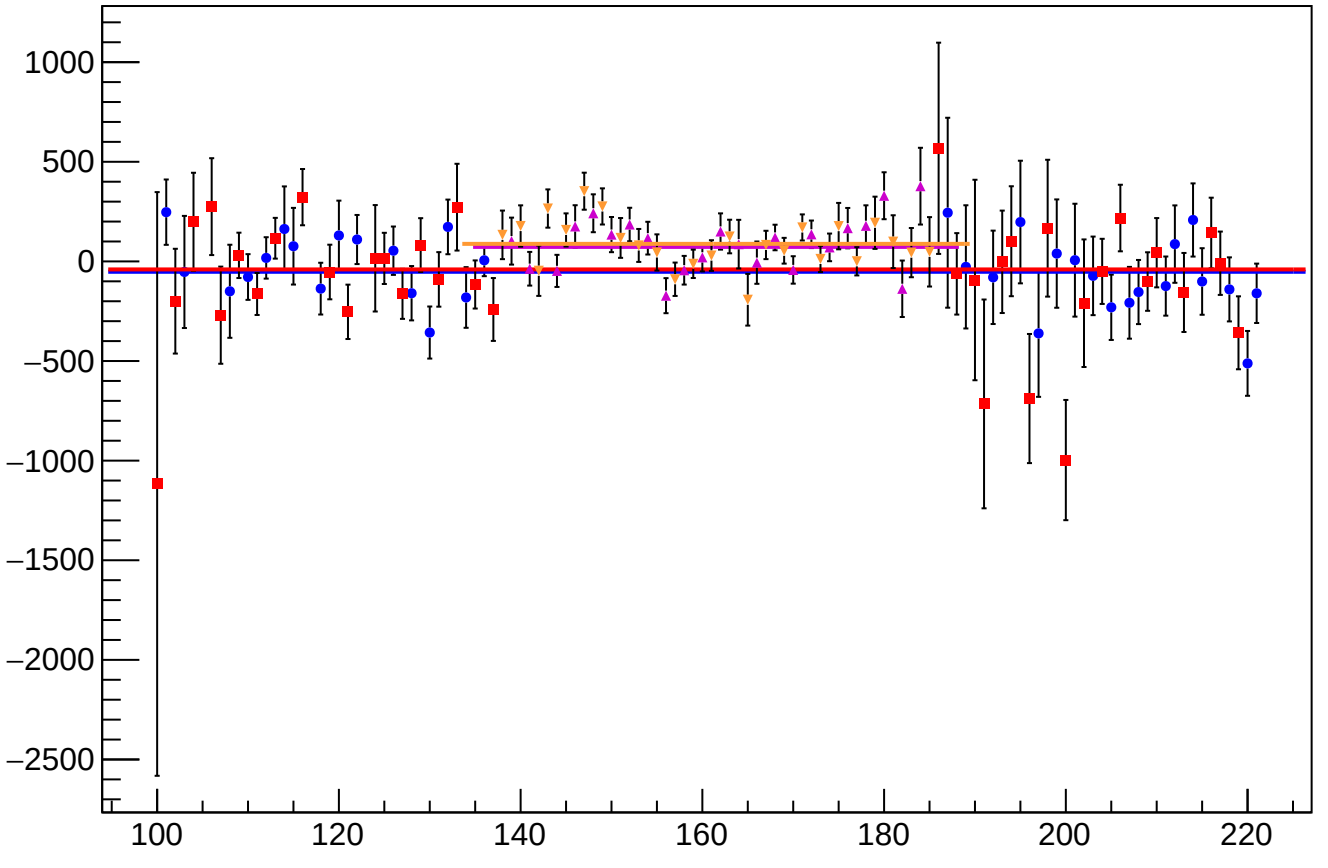
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1295.793+/-0.149 χ^2/NDF: 11223082.5/70

In: 664.407+/-0.084 χ^2/NDF:17904059.8/56

Out: 659.035+/-0.083 χ^2/NDF:18597291.7/61

All: 661.694+/-0.059 χ^2/NDF: 36503405.7/1



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: -40.256+/-28.366 χ^2/NDF: 49.0/36

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

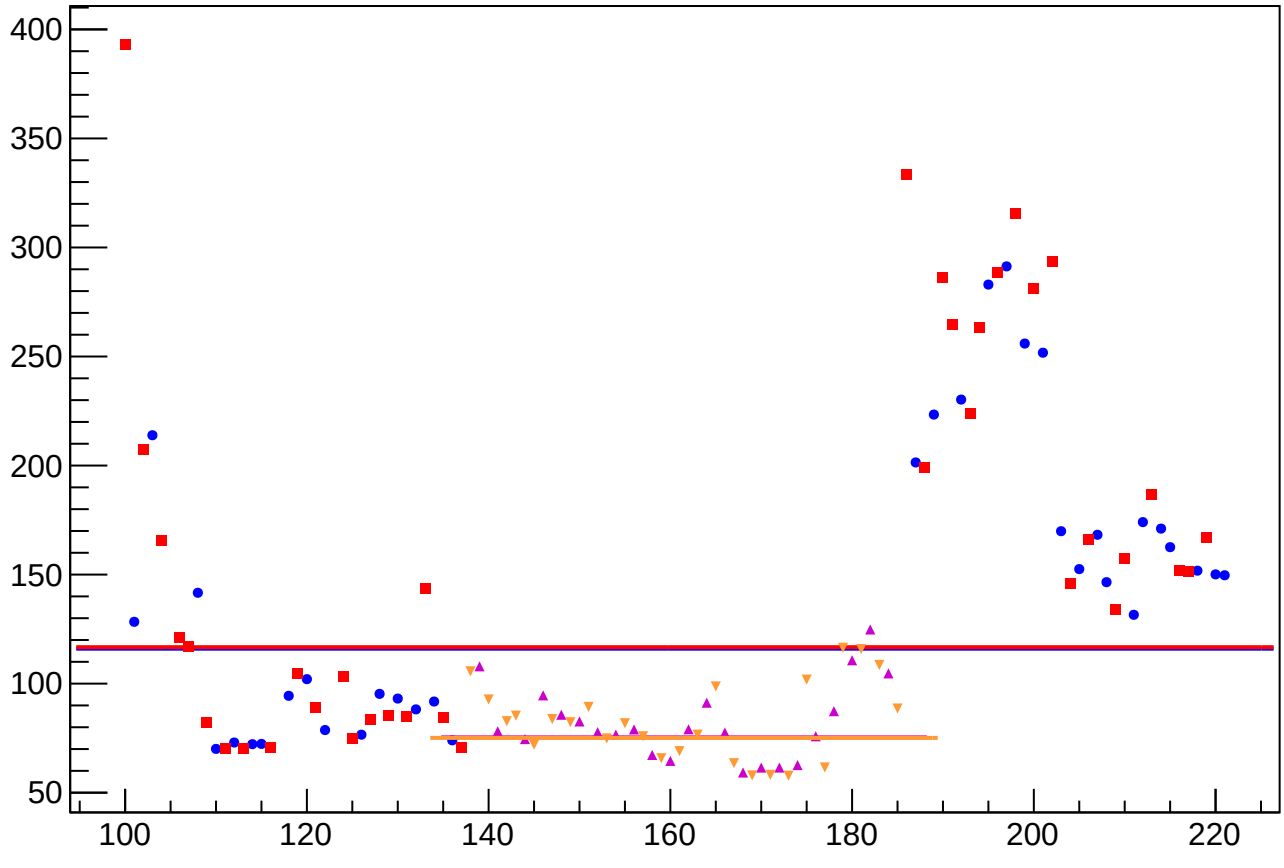
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -46.387+/-19.646 χ^2/NDF: 84.7/70

In: 34.076+/-15.176 χ^2/NDF:88.5/56

Out: 51.955+/-15.044 χ^2/NDF:100.6/61

All: 43.094+/-10.684 χ^2/NDF: 189.9/118



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: 116.711+/-0.020 χ^2/NDF: 7931983.8/36

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

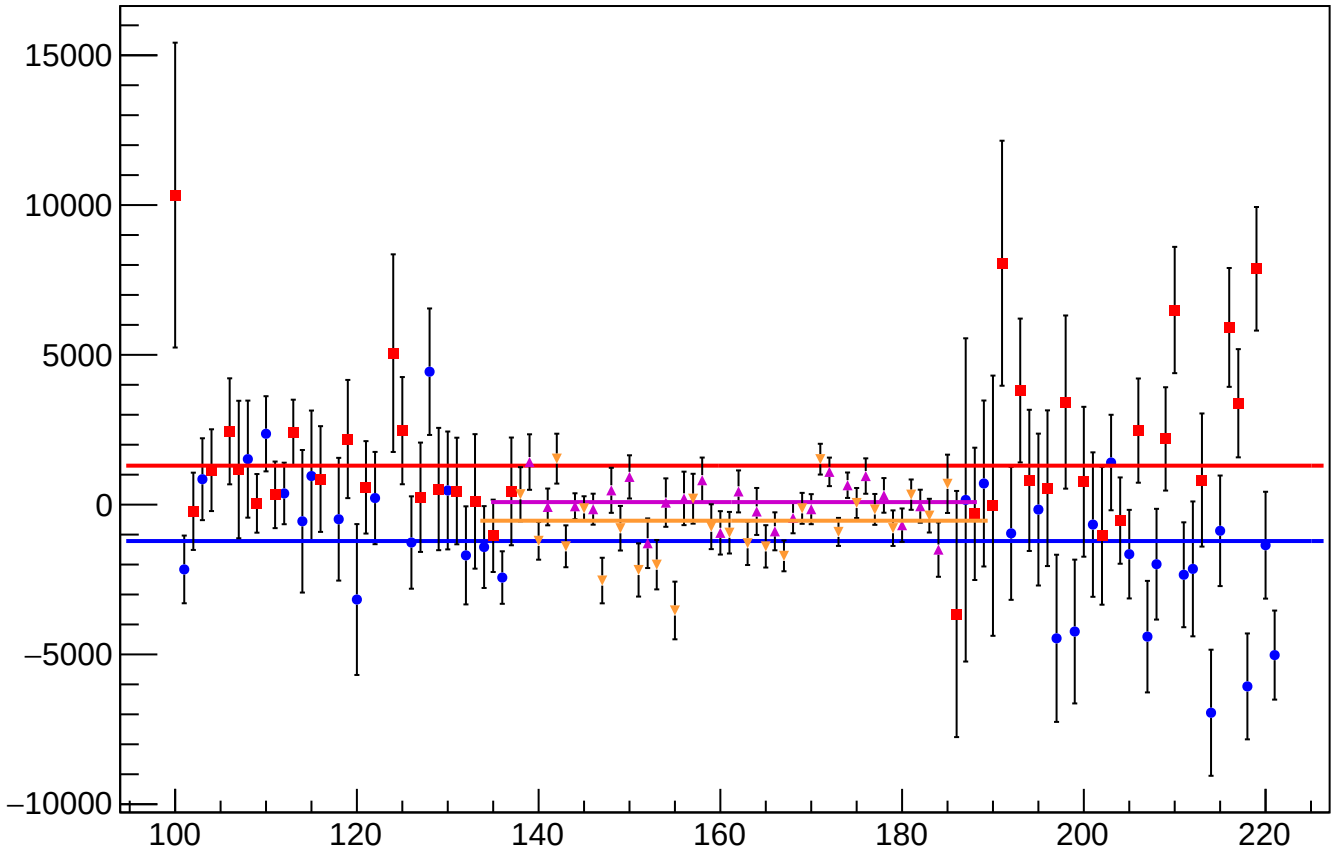
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 116.354+/-0.014 χ^2/NDF: 14595453.2/70

In: 87.987+/-0.011 χ^2/NDF:10961724.0/56

Out: 86.824+/-0.011 χ^2/NDF:12622606.7/61

All: 87.400+/-0.008 χ^2/NDF: 23590253.9/118



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: 1300.944+/-294.531 χ^2/NDF: 48.6/36

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

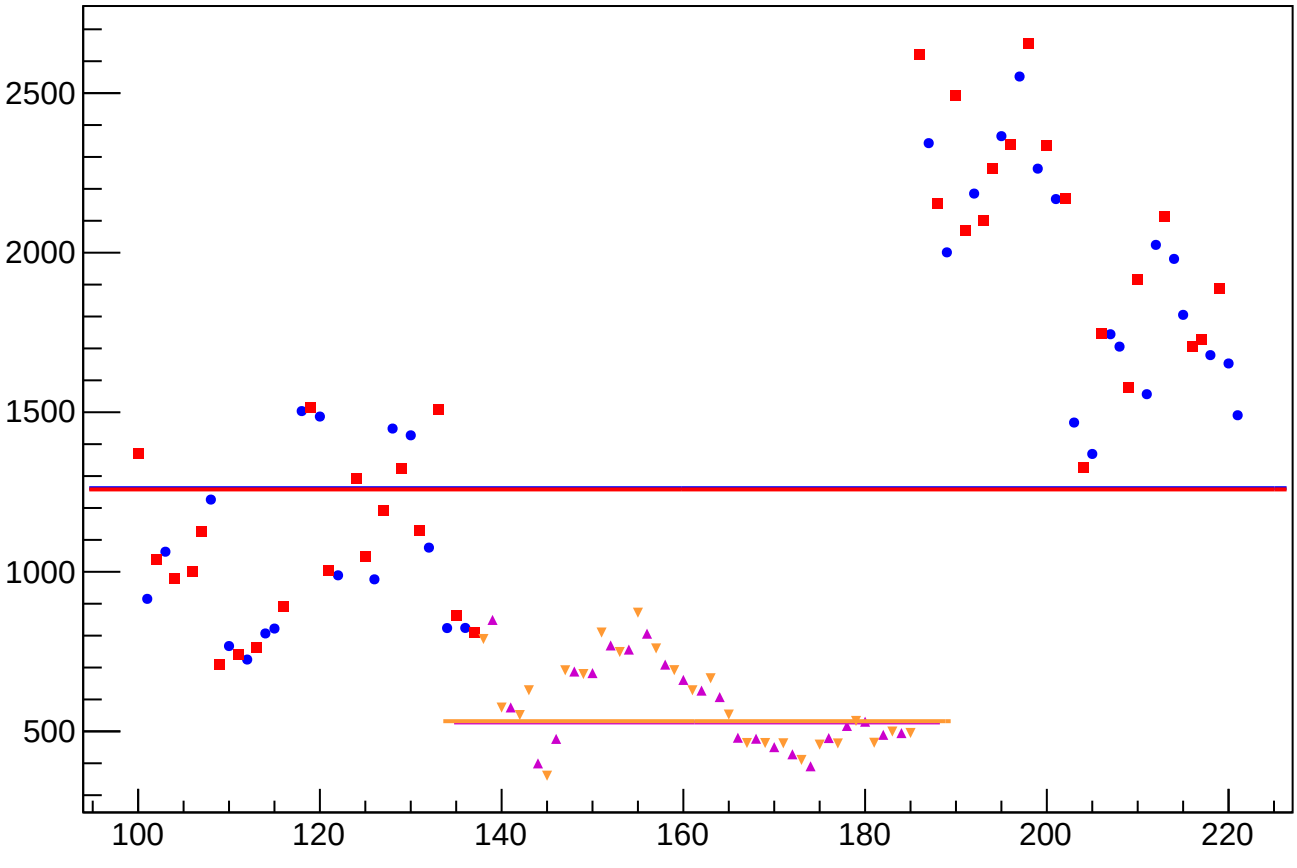
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 15.440+/-205.983 χ^2/NDF: 145.7/70

In: -126.841+/-116.245 χ^2/NDF:104.4/56

Out: -258.310+/-114.653 χ^2/NDF:148.7/61

All: -193.482+/-81.629 χ^2/NDF: 253.7/118



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: 1258.125+/-0.208 χ^2/NDF: 6282286.4/36

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

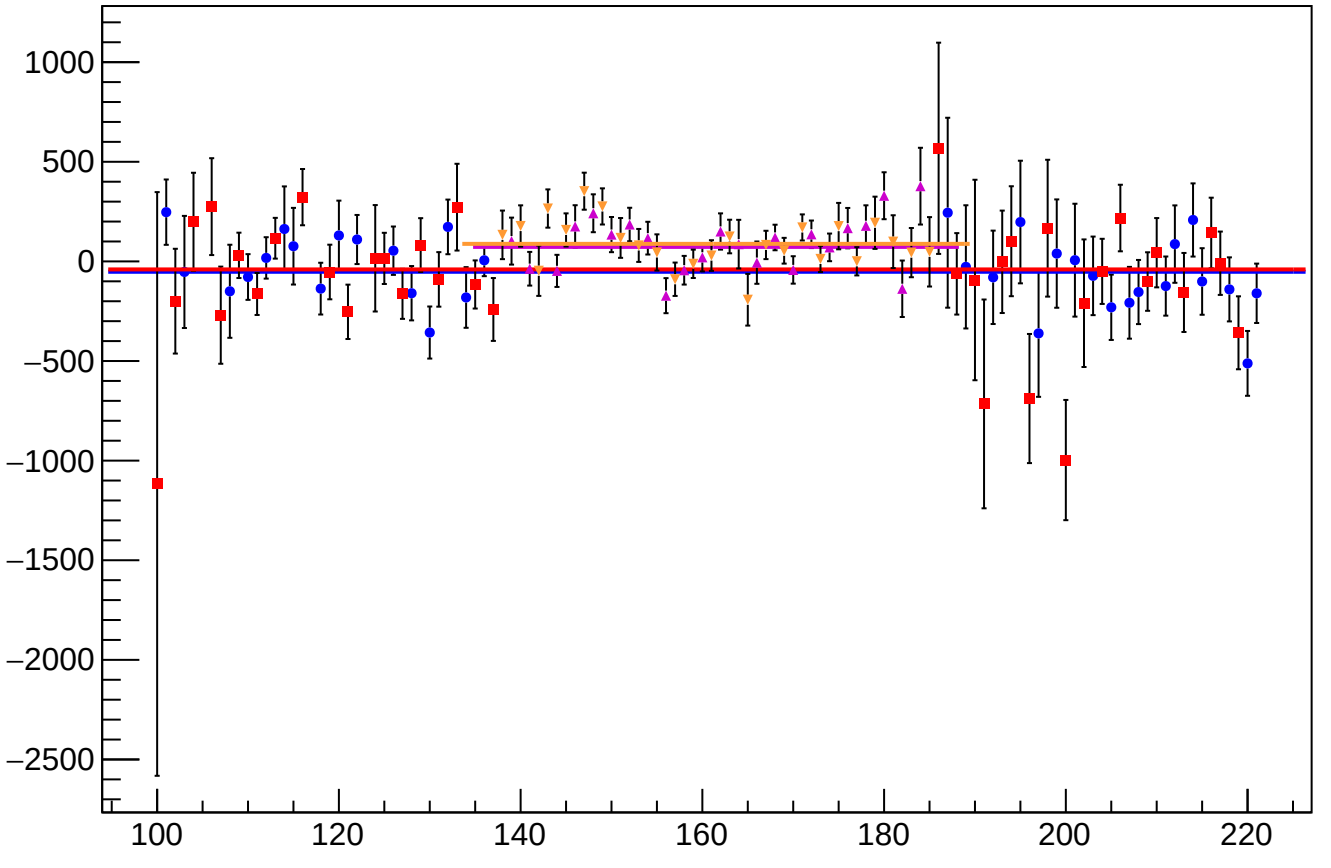
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1260.116+/-0.146 χ^2/NDF: 11707962.0/70

In: 647.424+/-0.082 χ^2/NDF:18090548.3/56

Out: 641.924+/-0.081 χ^2/NDF:18637605.0/61

All: 644.636+/-0.058 χ^2/NDF: 36730422.2/11



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: -40.259+/-28.366 χ^2/NDF: 49.0/36

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

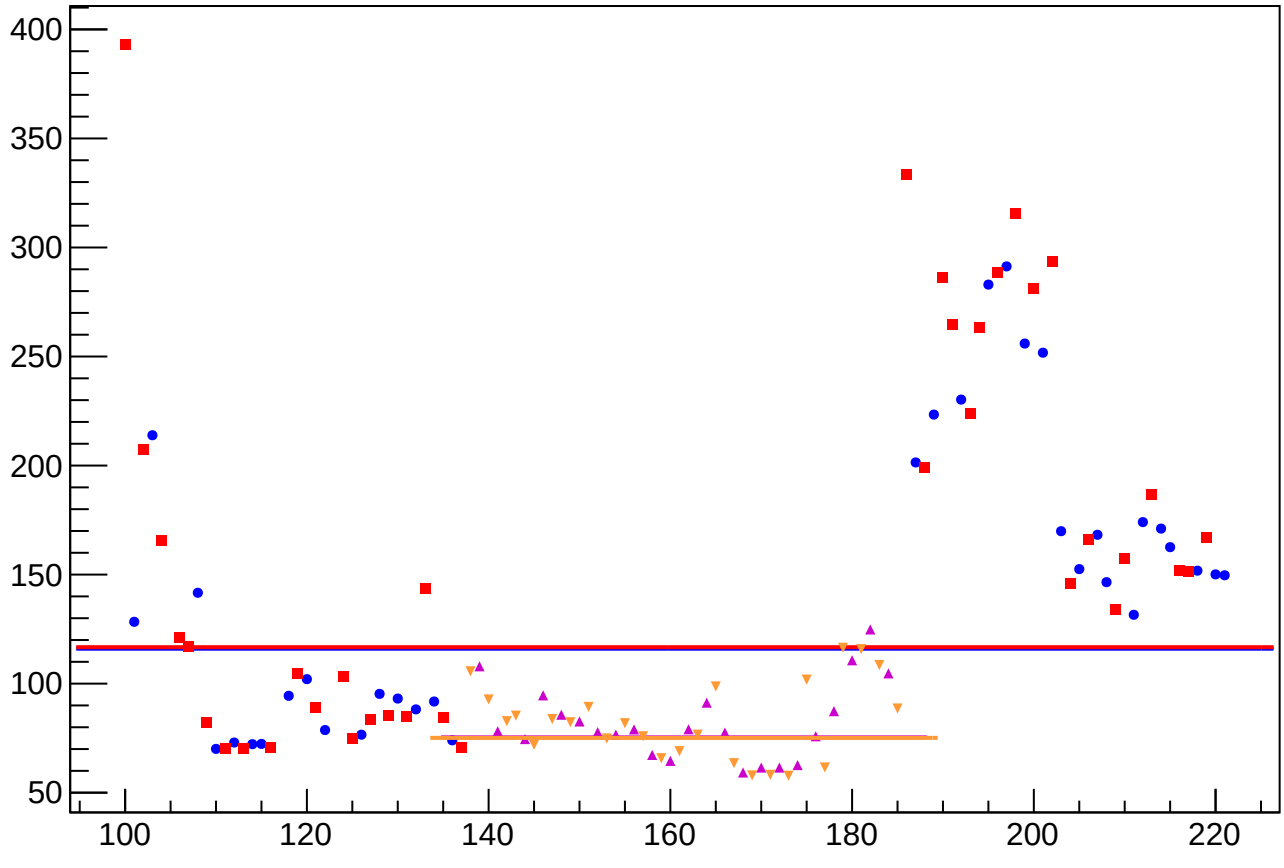
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -46.389+/-19.646 χ^2/NDF: 84.7/70

In: 34.076+/-15.176 χ^2/NDF:88.5/56

Out: 51.955+/-15.044 χ^2/NDF:100.6/61

All: 43.094+/-10.684 χ^2/NDF: 189.9/118



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: 116.711+/-0.020 χ^2/NDF: 7931929.1/36

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

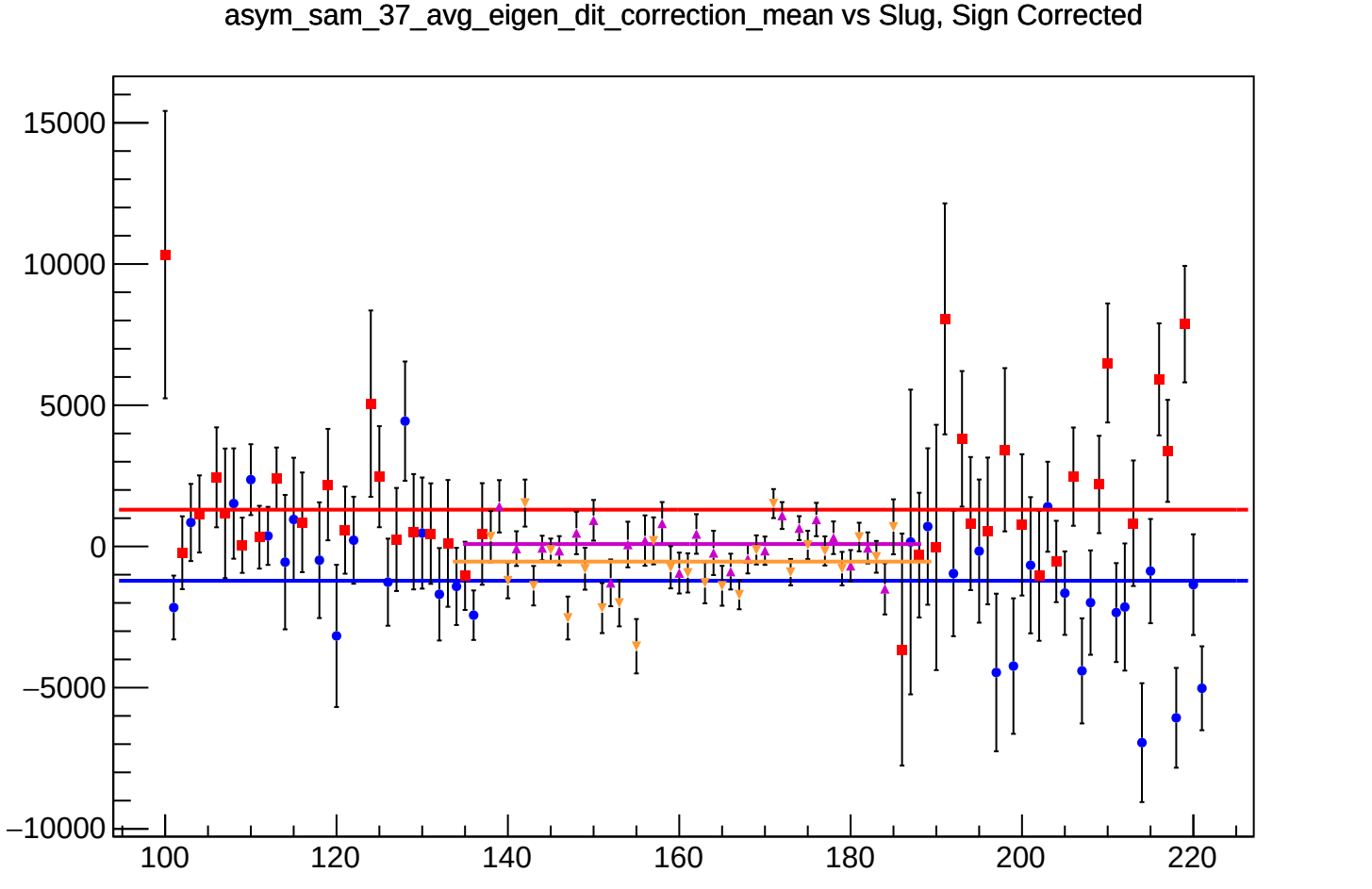
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 116.354+/-0.014 χ^2/NDF: 14595340.3/70

In: 87.987+/-0.011 χ^2/NDF:10961674.4/56

Out: 86.824+/-0.011 χ^2/NDF:12622569.2/61

All: 87.400+/-0.008 χ^2/NDF: 23590166.3/118


asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1215.212+/-288.179 χ²/NDF: 59.9/33
Left Out: -536.790+/-124.471 χ²/NDF:67.0/24
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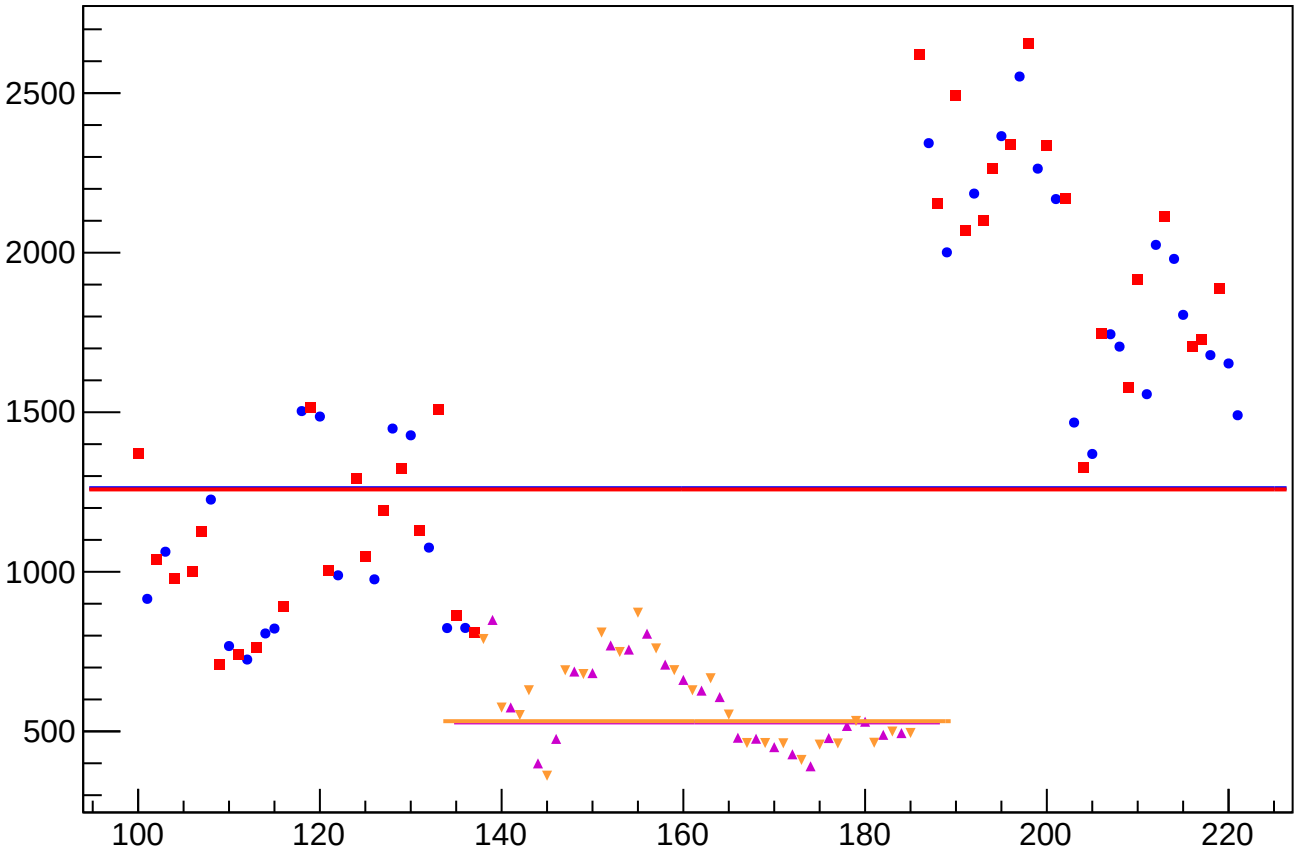
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 15.441+/-205.982 χ²/NDF: 145.7/70
In: -126.841+/-116.245 χ²/NDF:104.4/56
Out: -258.310+/-114.653 χ²/NDF:148.7/61
All: -193.482+/-81.629 χ²/NDF: 253.7/118



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: 1258.123+/-0.208 χ^2/NDF: 6282301.8/36

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

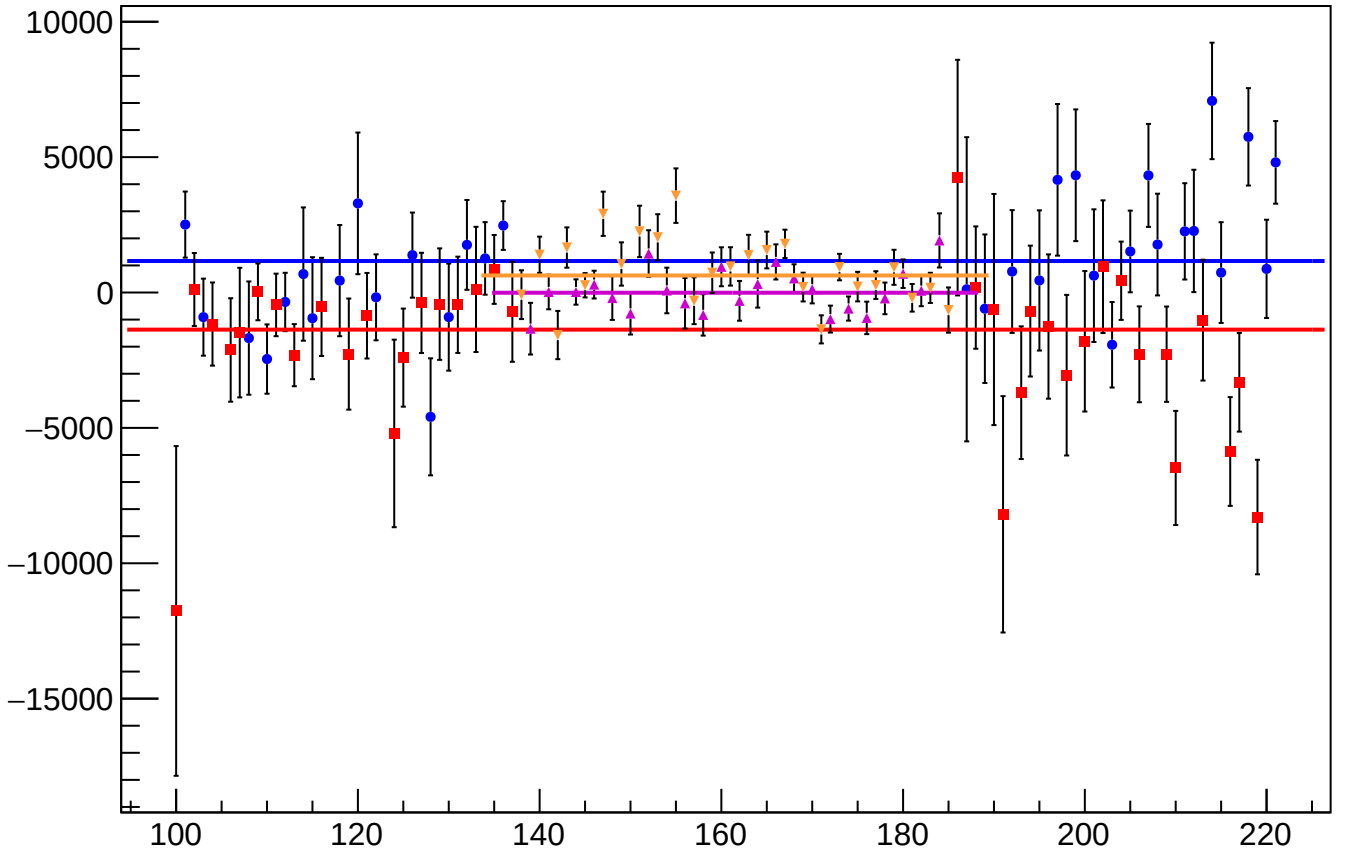
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 1260.114+/-0.146 χ^2/NDF: 11707996.6/70

In: 647.423+/-0.082 χ^2/NDF:18090538.3/56

Out: 641.924+/-0.081 χ^2/NDF:18637592.3/61

All: 644.636+/-0.058 χ^2/NDF: 36730399.4/11



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: -1370.987+/-305.406 χ^2/NDF: 45.5/36

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

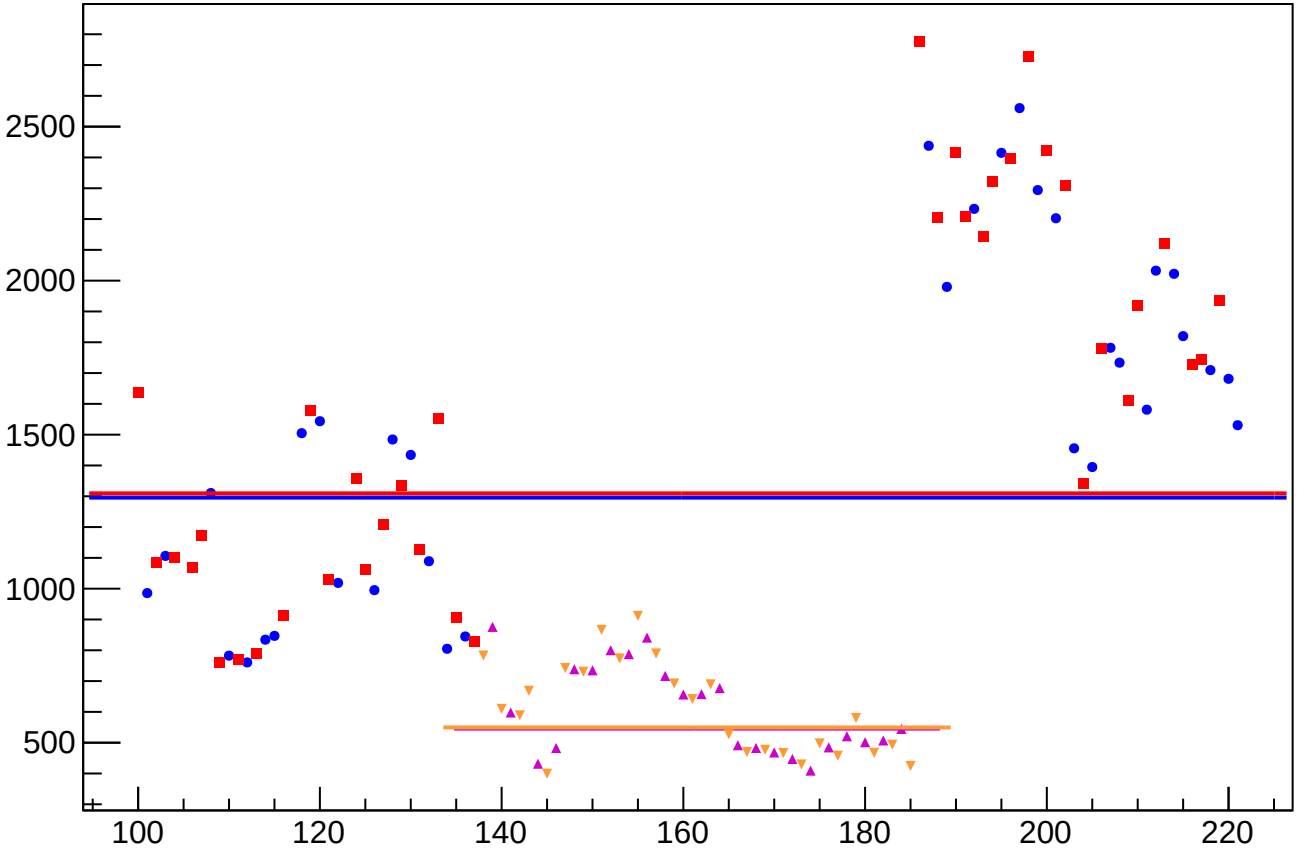
Right: -61.290+/-212.272 χ^2/NDF: 139.8/70

In: 184.893+/-119.963 χ^2/NDF:99.2/56

Out: 327.107+/-118.719 χ^2/NDF:146.8/61

All: 256.741+/-84.384 χ^2/NDF: 246.7/118

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: 1309.431+/-0.216 χ^2/NDF: 5982284.8/36

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

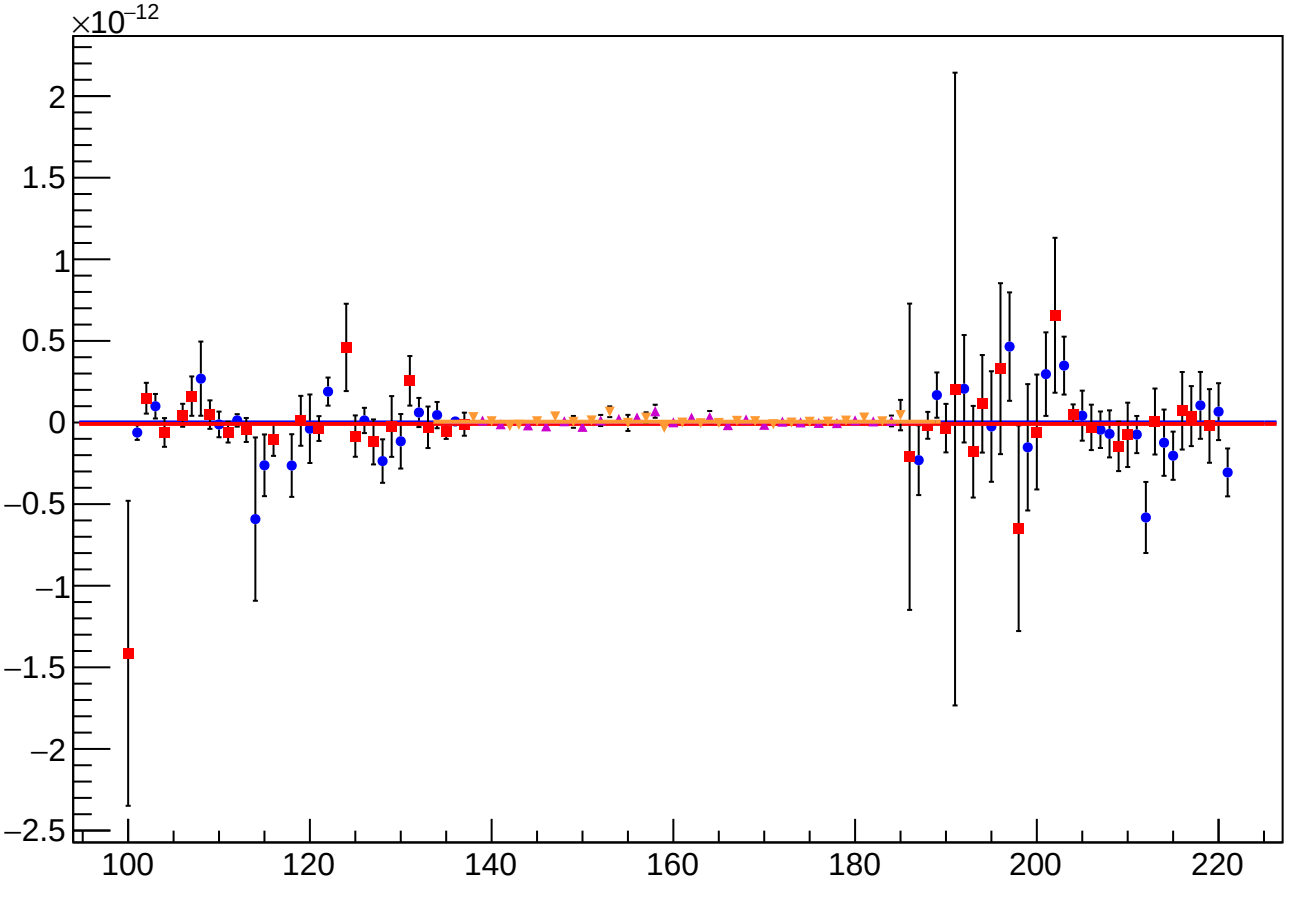
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1302.315+/-0.150 χ^2/NDF: 11218408.9/70

In: 669.519+/-0.085 χ^2/NDF:17822323.6/56

Out: 664.310+/-0.084 χ^2/NDF:18548658.9/61

All: 666.888+/-0.060 χ^2/NDF: 36372887.6/11



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: 24.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

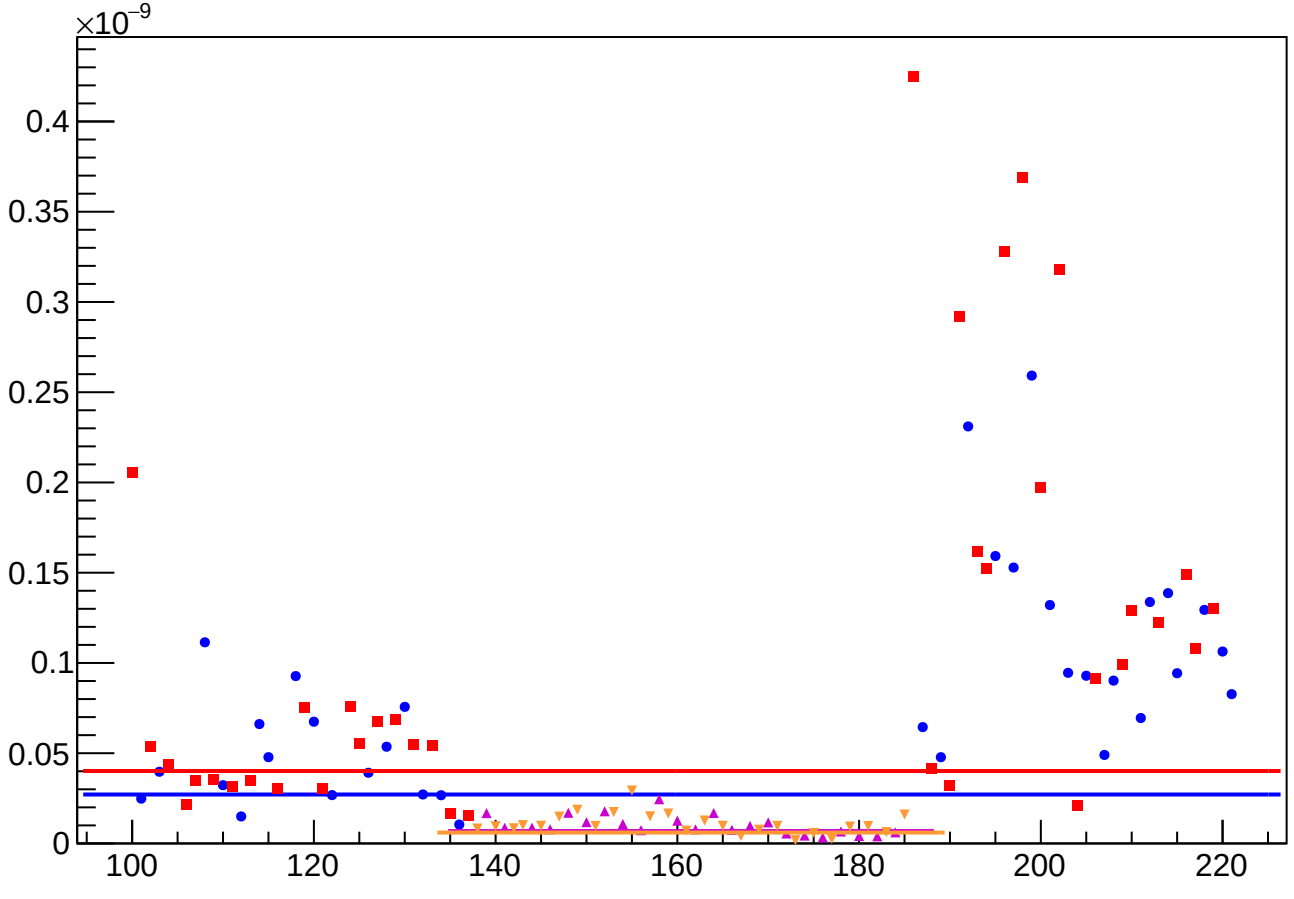
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 70.1/70

In: 0.000+/-0.000 χ^2/NDF:65.2/56

Out: 0.000+/-0.000 χ^2/NDF:40.9/61

All: 0.000+/-0.000 χ^2/NDF: 106.3/118



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: 7236751.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

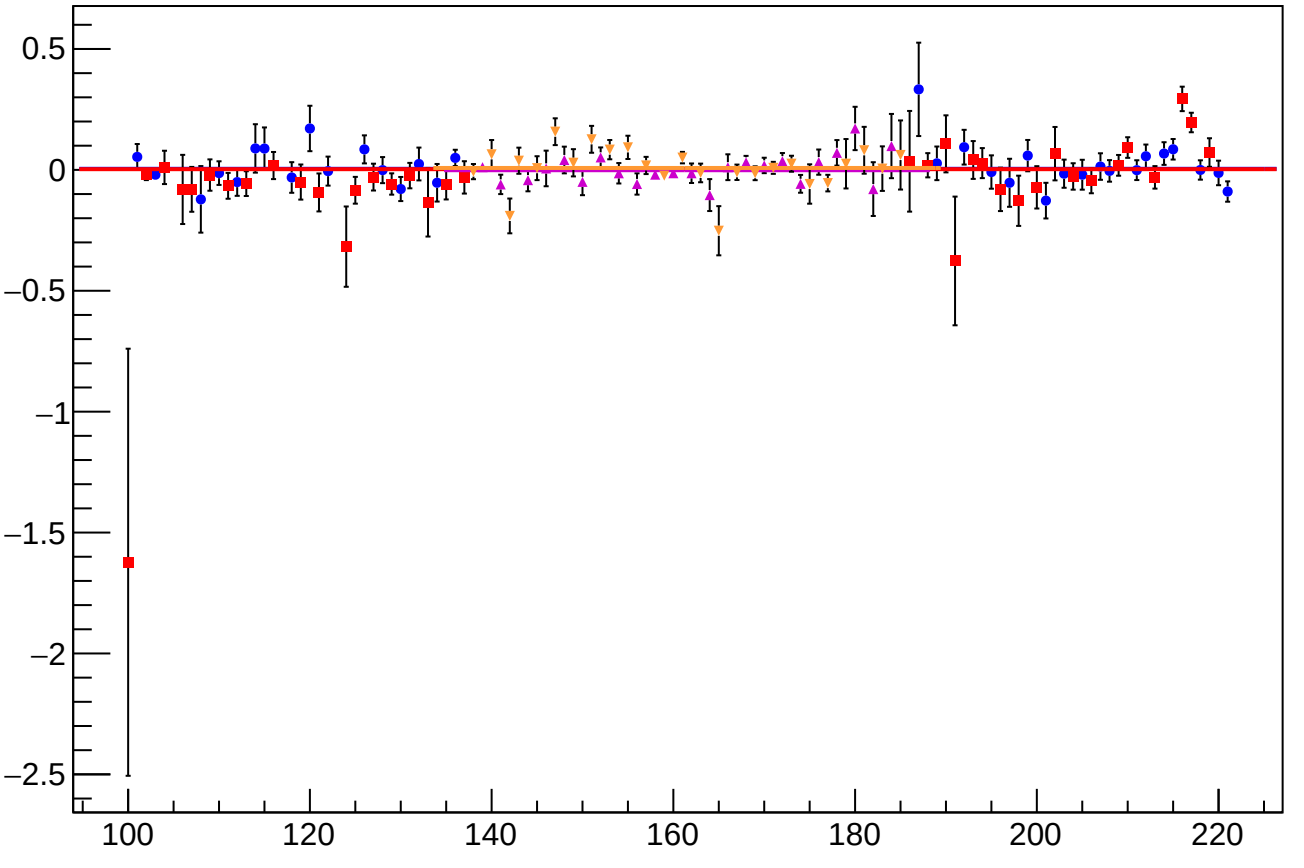
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17084666.9/70

In: 0.000+/-0.000 χ^2/NDF:15774404.7/56

Out: 0.000+/-0.000 χ^2/NDF:17772058.9/61

All: 0.000+/-0.000 χ^2/NDF: 33655204.1/118



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: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

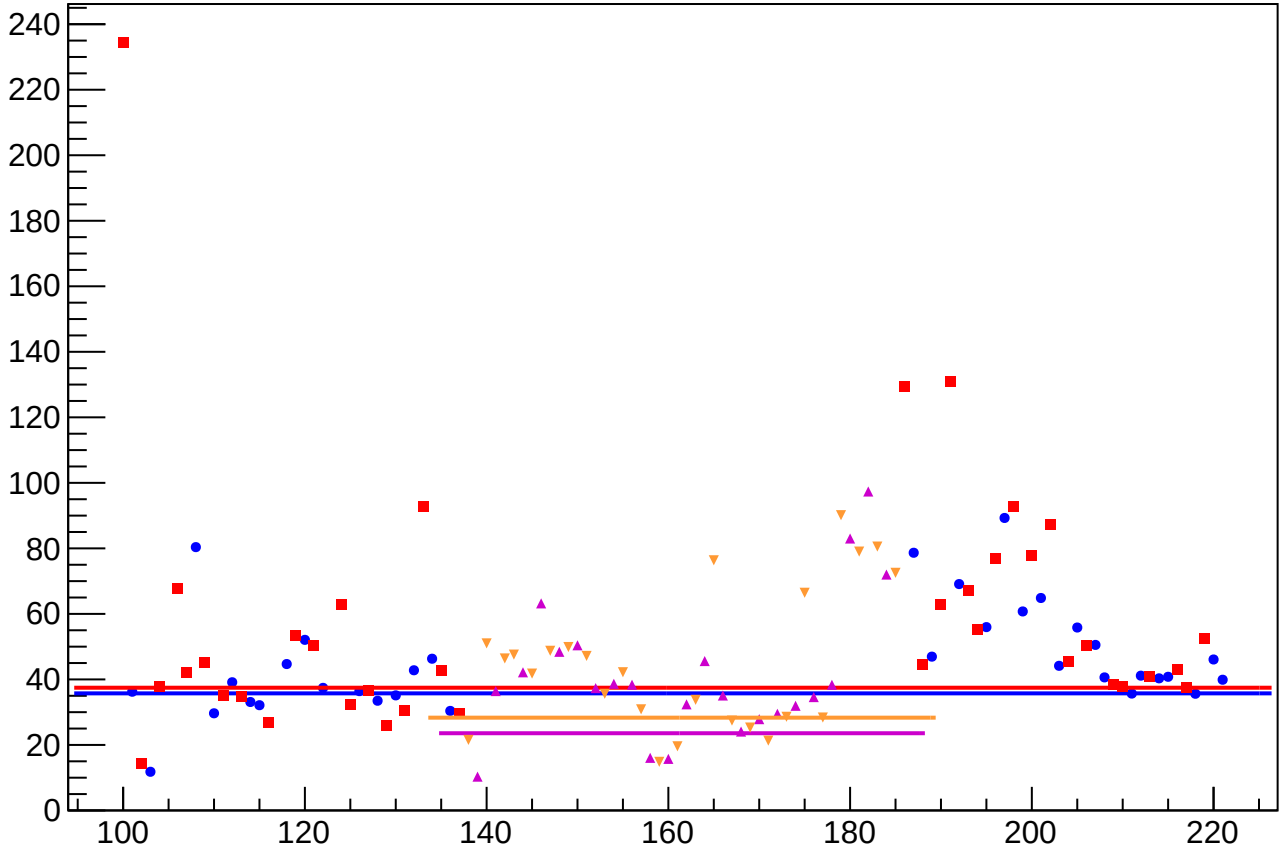
Right: 0.004+/-0.006 χ^2/NDF: 129.8/70

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.003+/-0.004 χ^2/NDF: 203.4/118

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: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

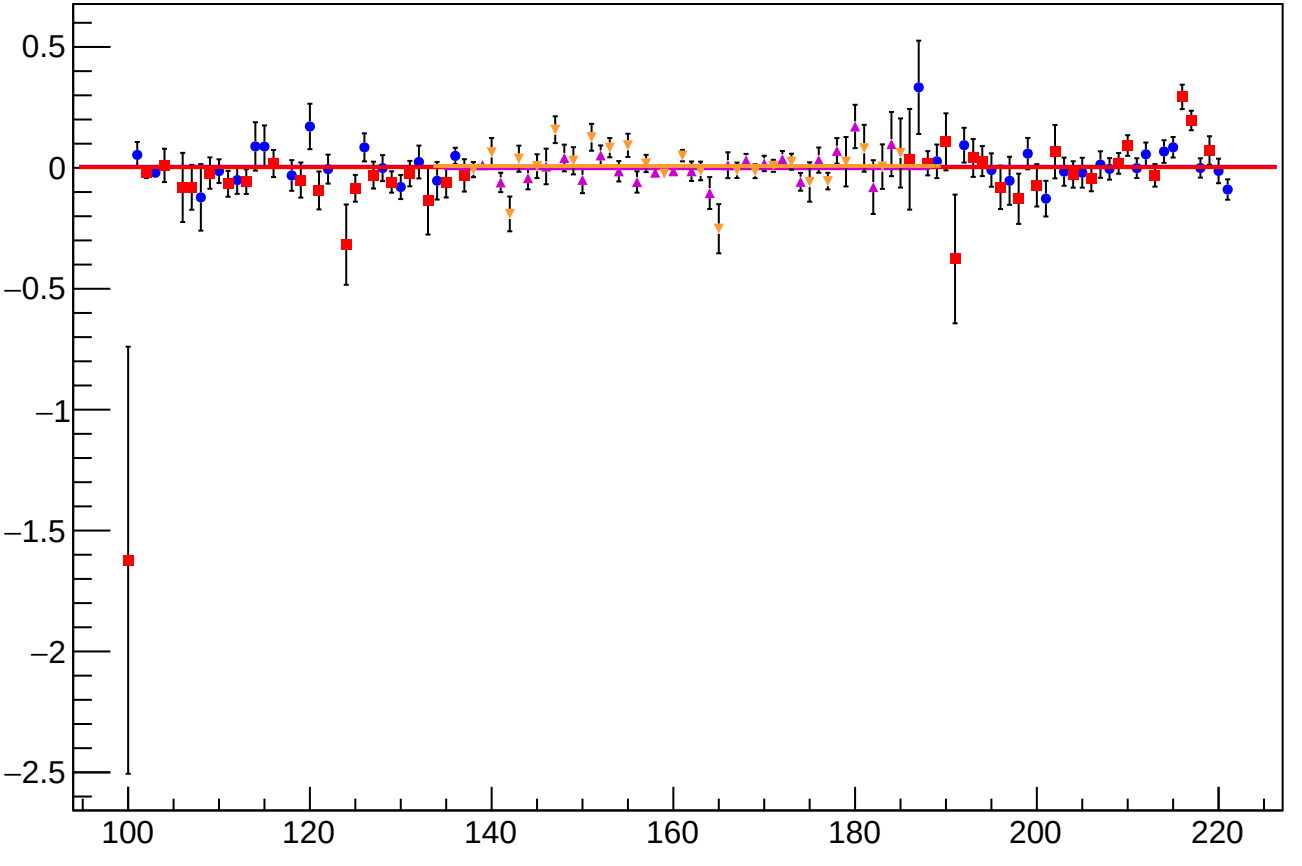
Right: 36.536+/-0.005 χ^2/NDF: 12713453.5/70

In: 28.162+/-0.004 χ^2/NDF:16658492.7/56

Out: 31.898+/-0.004 χ^2/NDF:14620544.4/61

All: 29.851+/-0.003 χ^2/NDF: 31716354.3/118

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: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

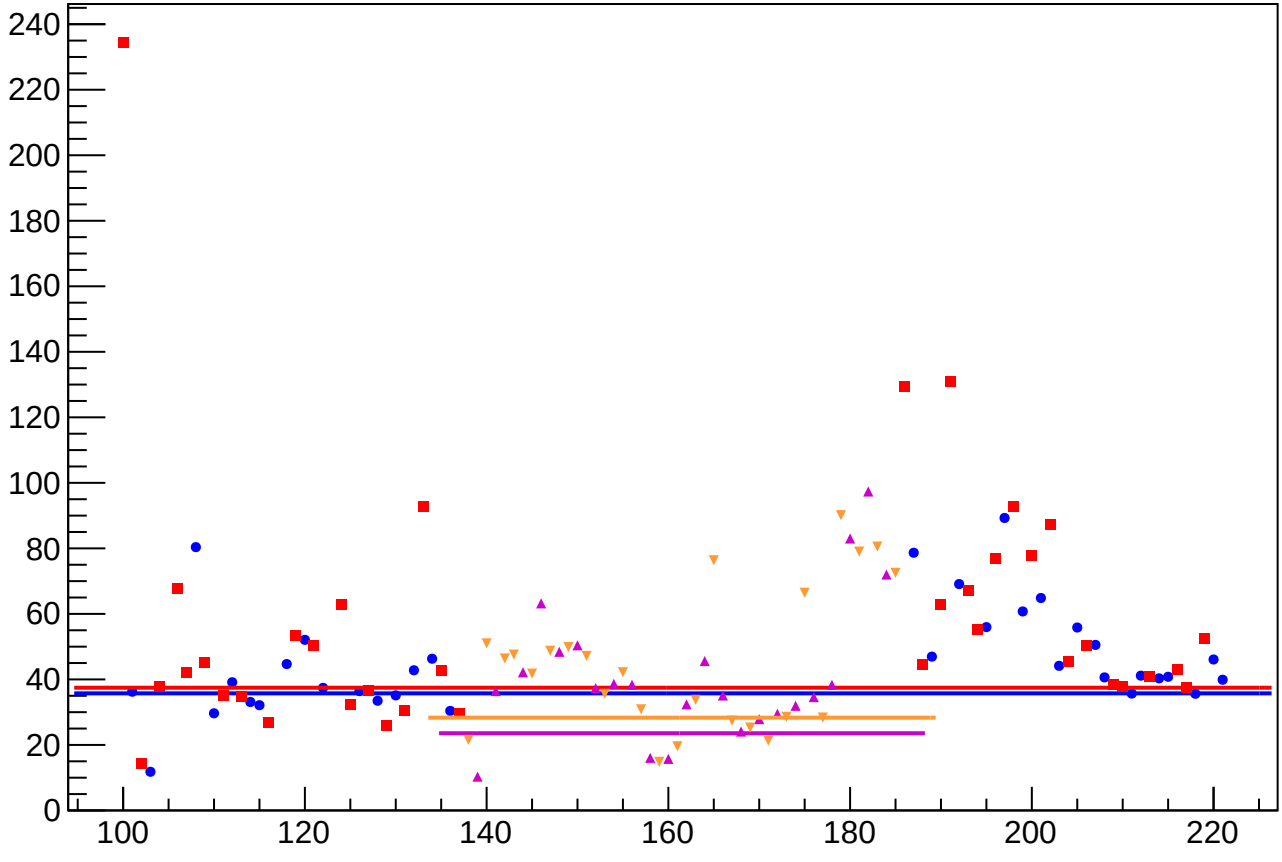
Right: 0.004+/-0.006 χ^2/NDF: 129.8/70

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.003+/-0.004 χ^2/NDF: 203.4/118

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: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

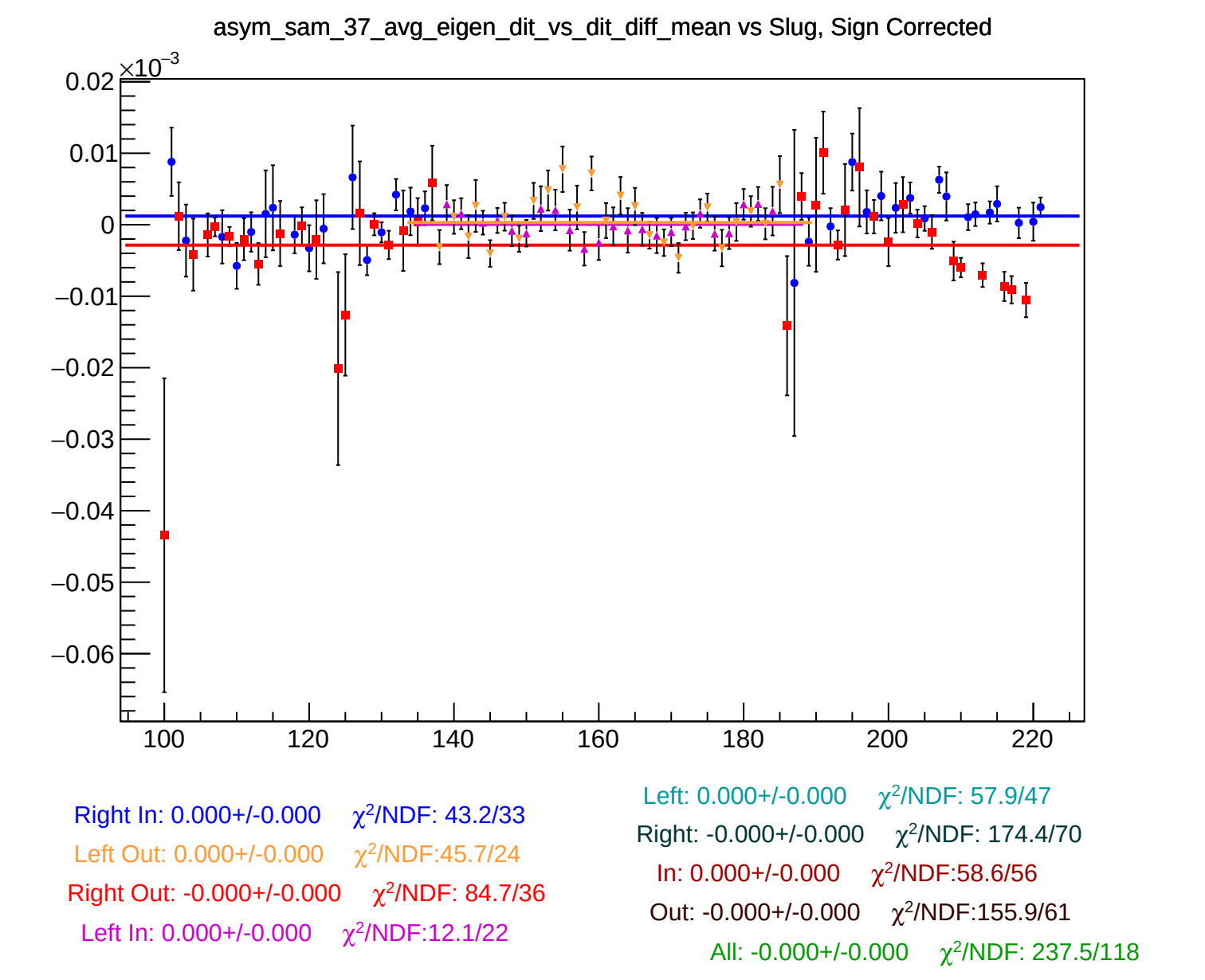
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

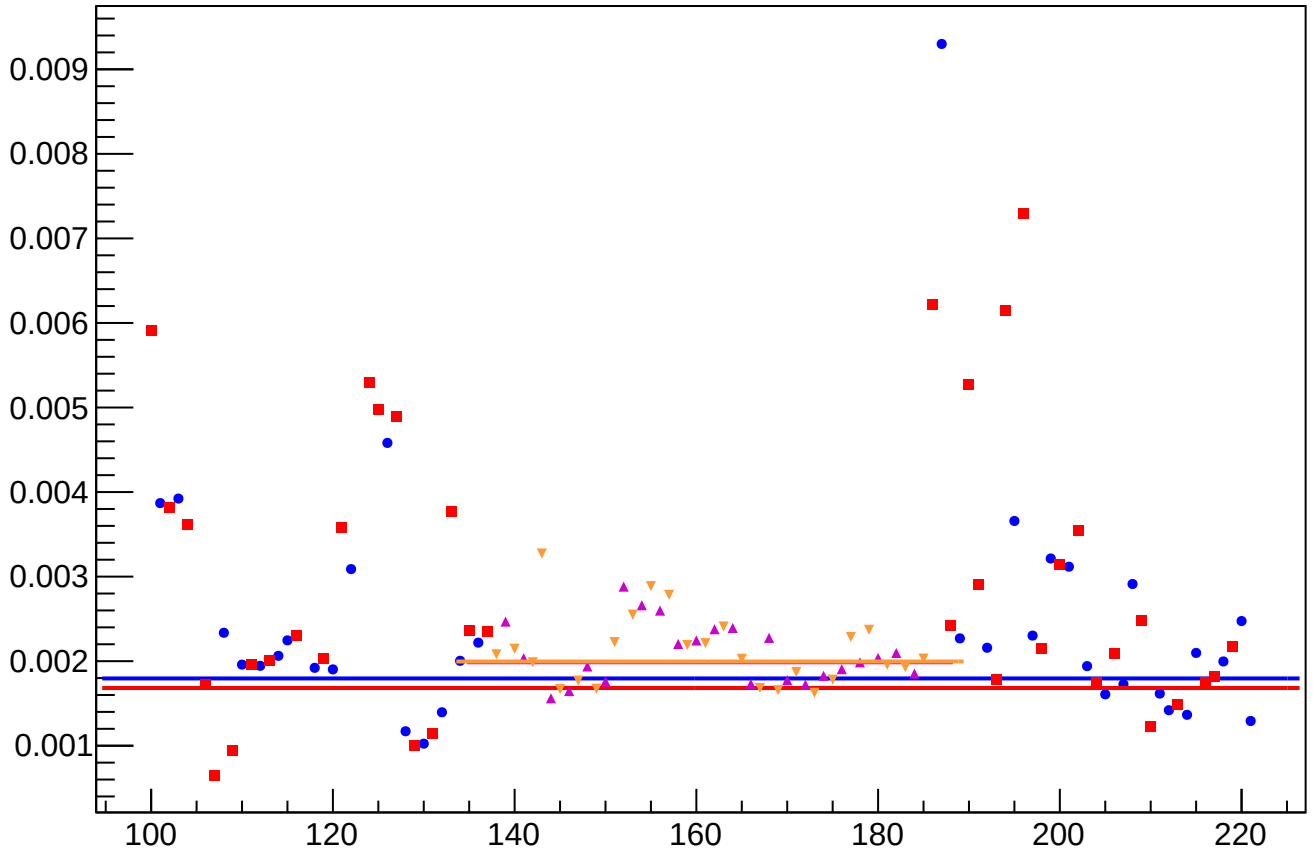
Right: 36.536+/-0.005 χ^2/NDF: 12713453.5/70

In: 28.162+/-0.004 χ^2/NDF:16658492.7/56

Out: 31.898+/-0.004 χ^2/NDF:14620544.4/61

All: 29.851+/-0.003 χ^2/NDF: 31716354.3/118


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: 84.7/36
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: 174.4/70
In: 0.000+/-0.000 χ²/NDF:58.6/56
Out: -0.000+/-0.000 χ²/NDF:155.9/61
All: -0.000+/-0.000 χ²/NDF: 237.5/118



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: 9077334.7/36

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

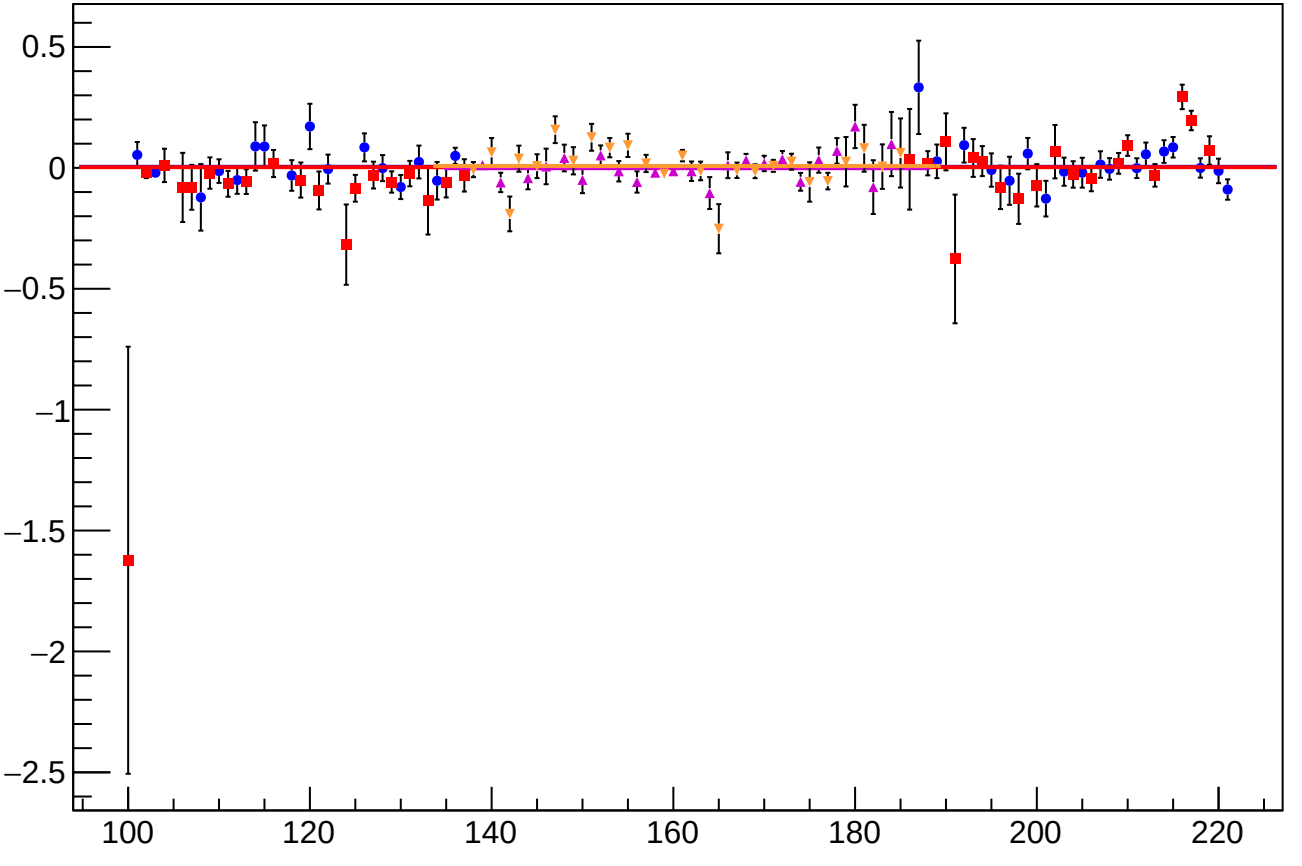
Right: 0.002+/-0.000 χ^2/NDF: 13747192.0/70

In: 0.002+/-0.000 χ^2/NDF:5704780.9/56

Out: 0.002+/-0.000 χ^2/NDF:10751245.5/61

All: 0.002+/-0.000 χ^2/NDF: 16487557.2/118

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: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

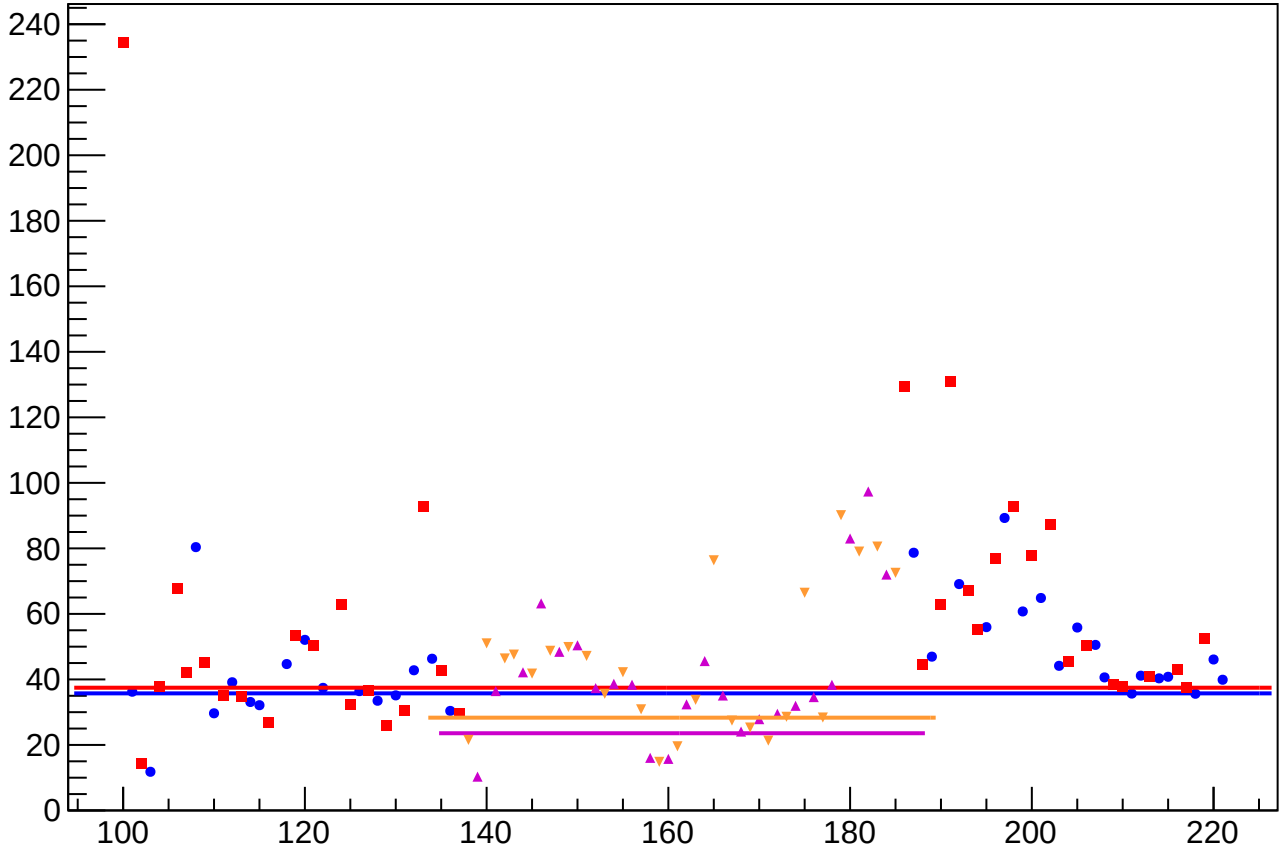
Right: 0.004+/-0.006 χ^2/NDF: 129.8/70

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.003+/-0.004 χ^2/NDF: 203.4/118

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: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

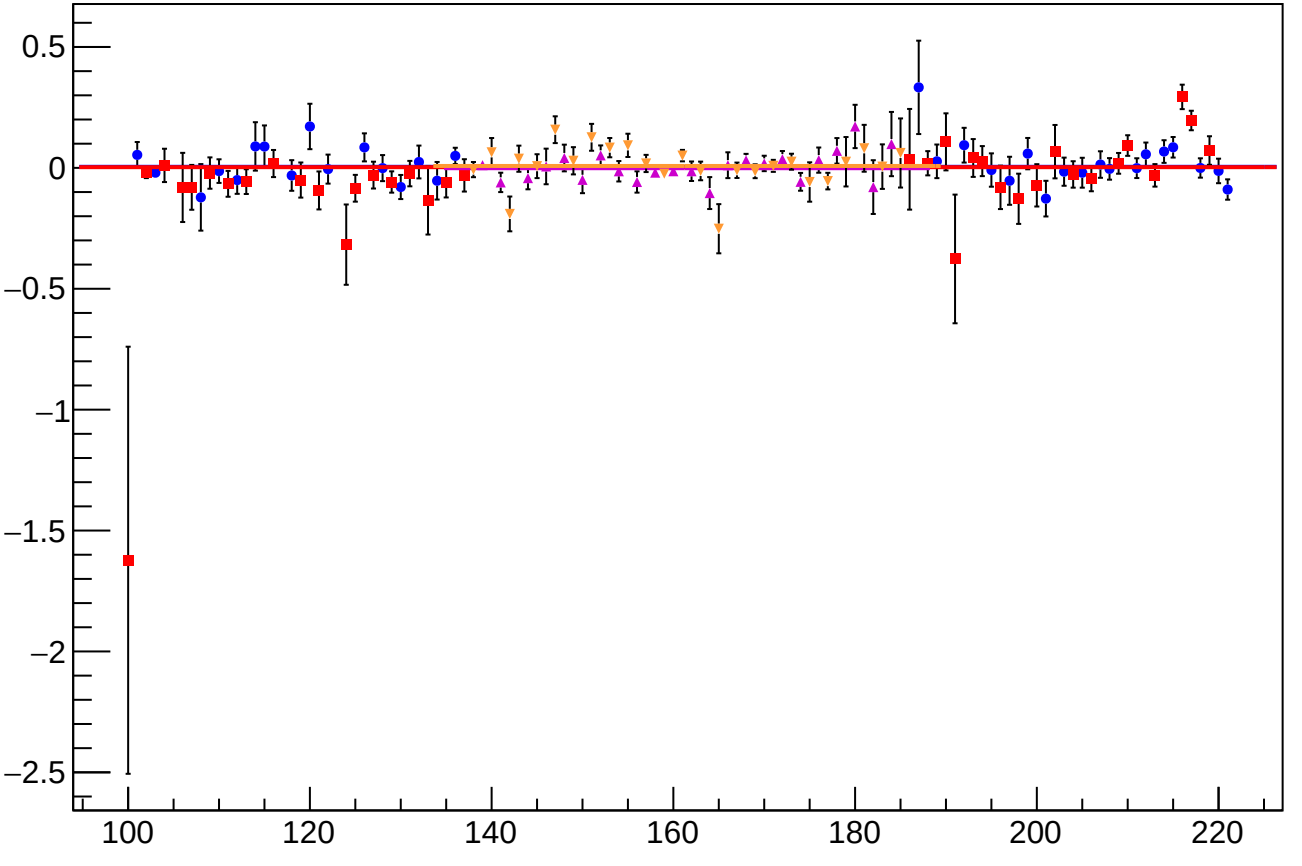
Right: 36.537+/-0.005 χ^2/NDF: 12712726.4/70

In: 28.161+/-0.004 χ^2/NDF:16660274.9/56

Out: 31.899+/-0.004 χ^2/NDF:14620292.9/61

All: 29.851+/-0.003 χ^2/NDF: 31718231.1/118

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: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

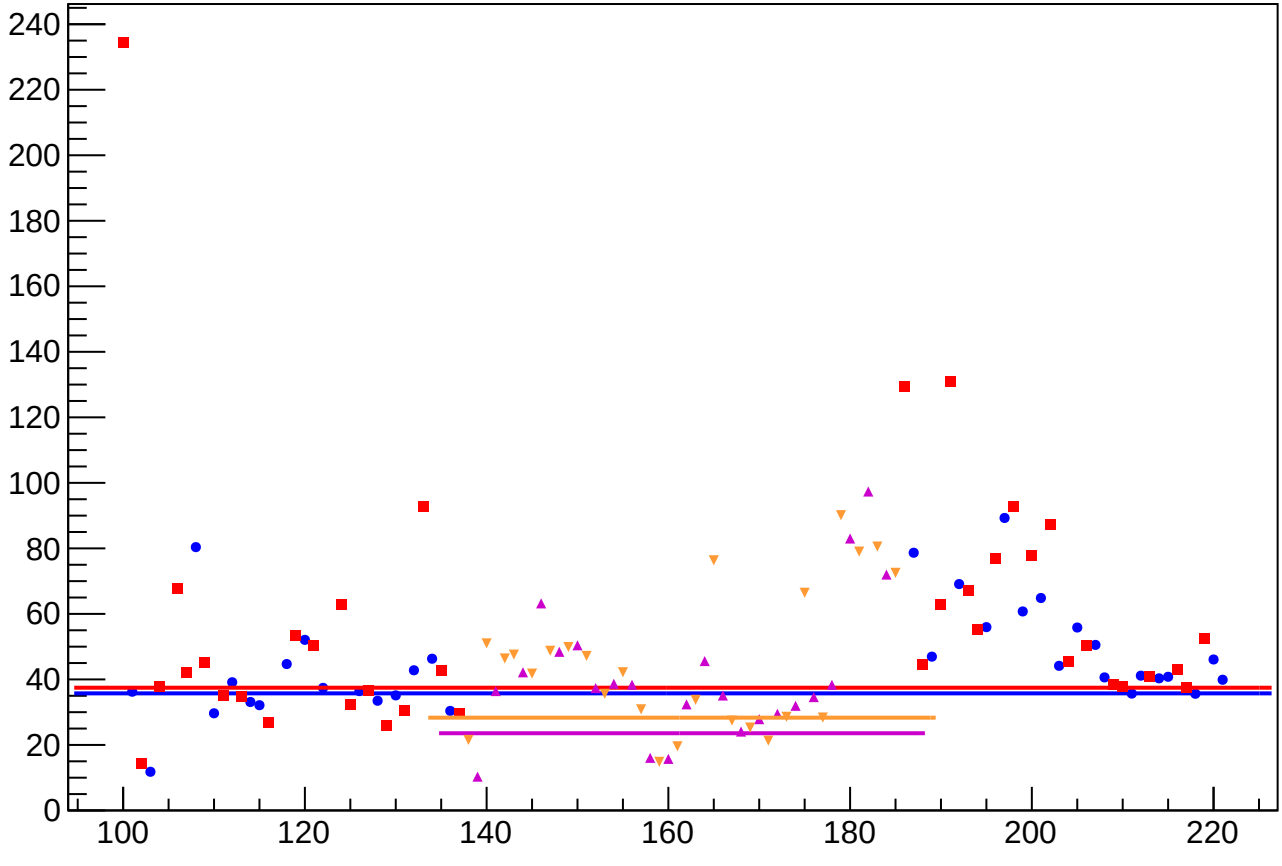
Right: 0.004+/-0.006 χ^2/NDF: 129.8/70

In: 0.001+/-0.005 χ^2/NDF:62.9/56

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.003+/-0.004 χ^2/NDF: 203.4/118

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: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

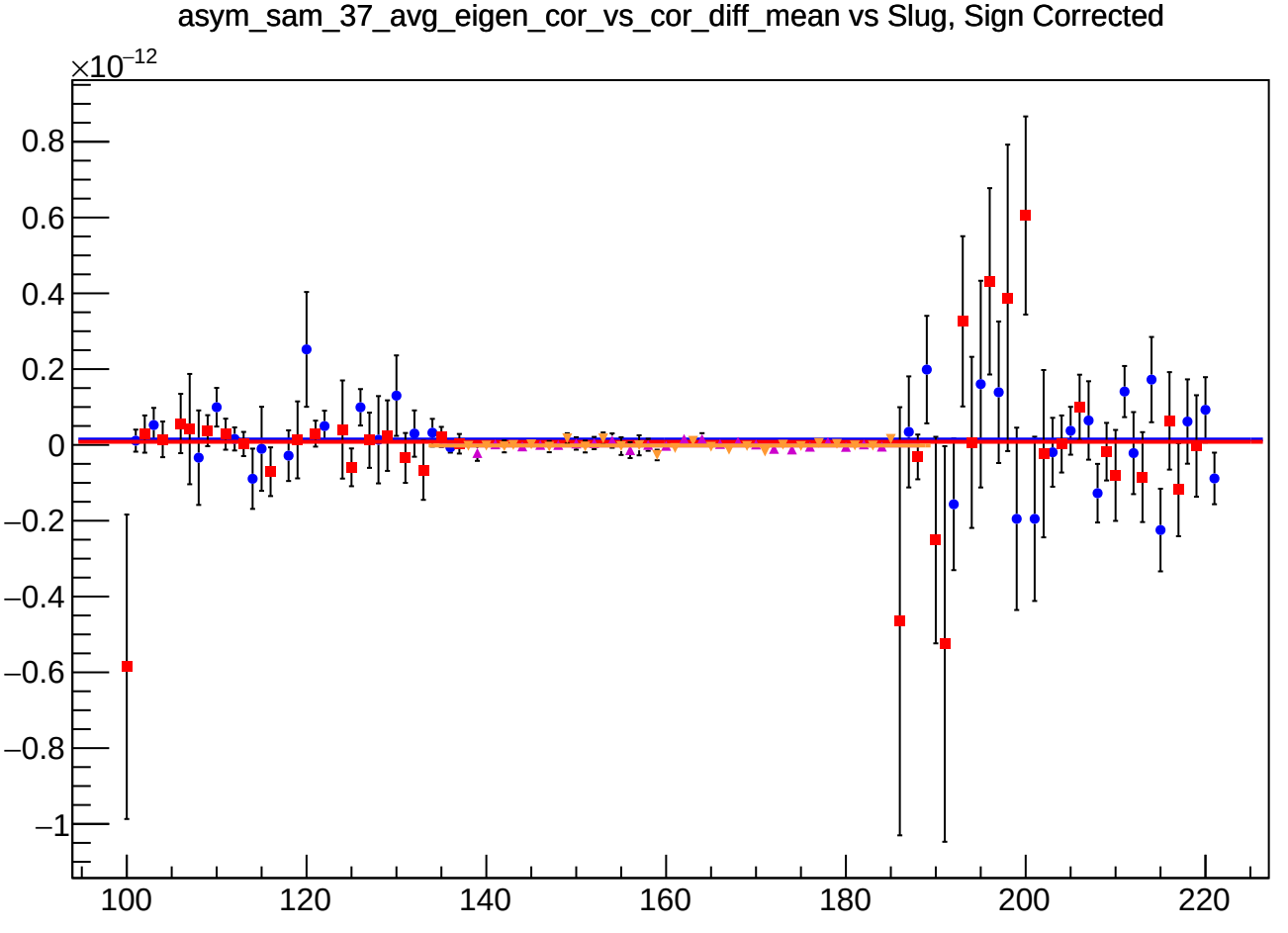
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.537+/-0.005 χ^2/NDF: 12712726.4/70

In: 28.161+/-0.004 χ^2/NDF:16660274.9/56

Out: 31.899+/-0.004 χ^2/NDF:14620292.9/61

All: 29.851+/-0.003 χ^2/NDF: 31718231.1/118



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: 26.9/36

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

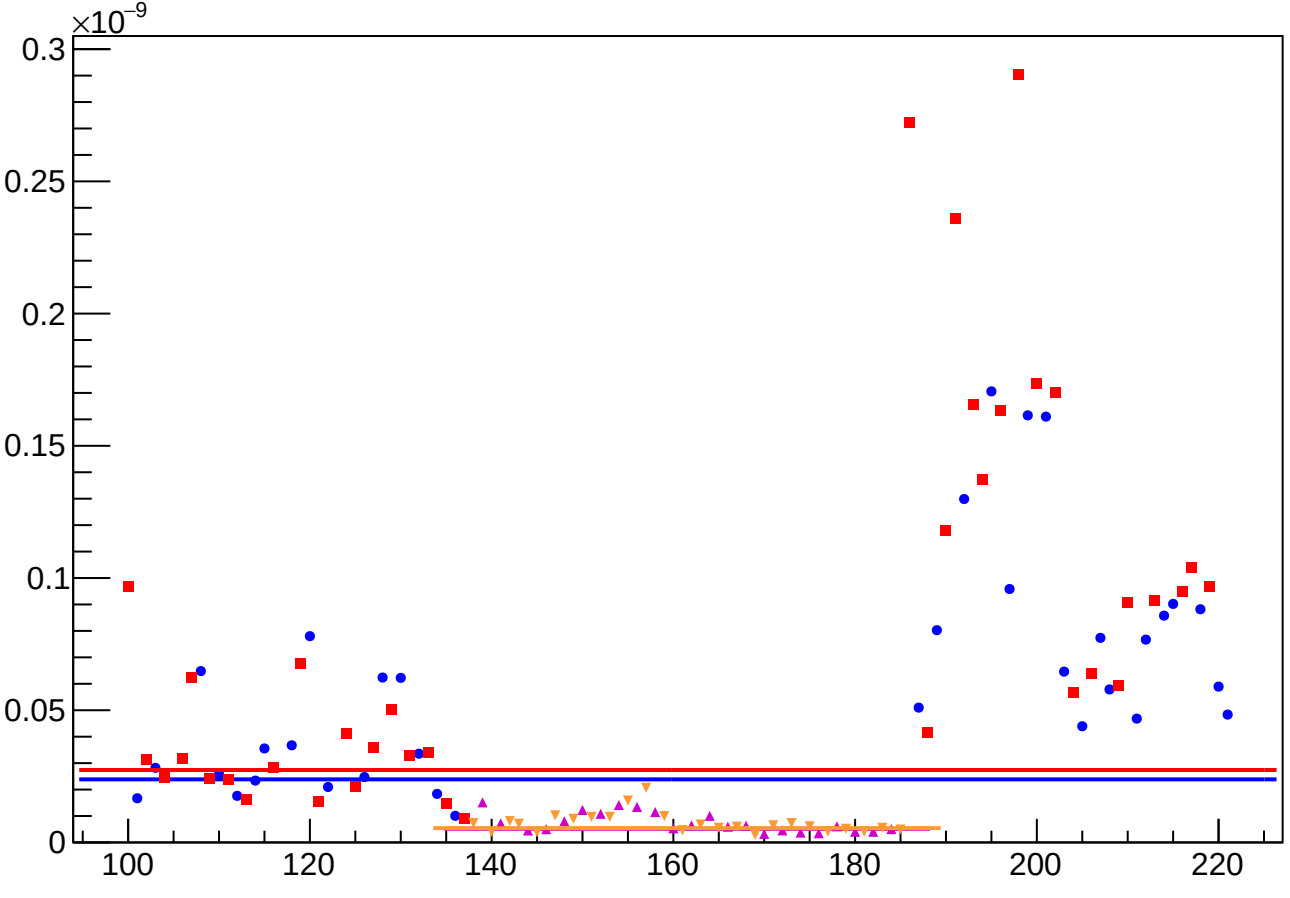
Right: 0.000+/-0.000 χ^2/NDF: 65.7/70

In: -0.000+/-0.000 χ^2/NDF:57.5/56

Out: -0.000+/-0.000 χ^2/NDF:45.3/61

All: -0.000+/-0.000 χ^2/NDF: 102.9/118

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 11934531.6/36

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

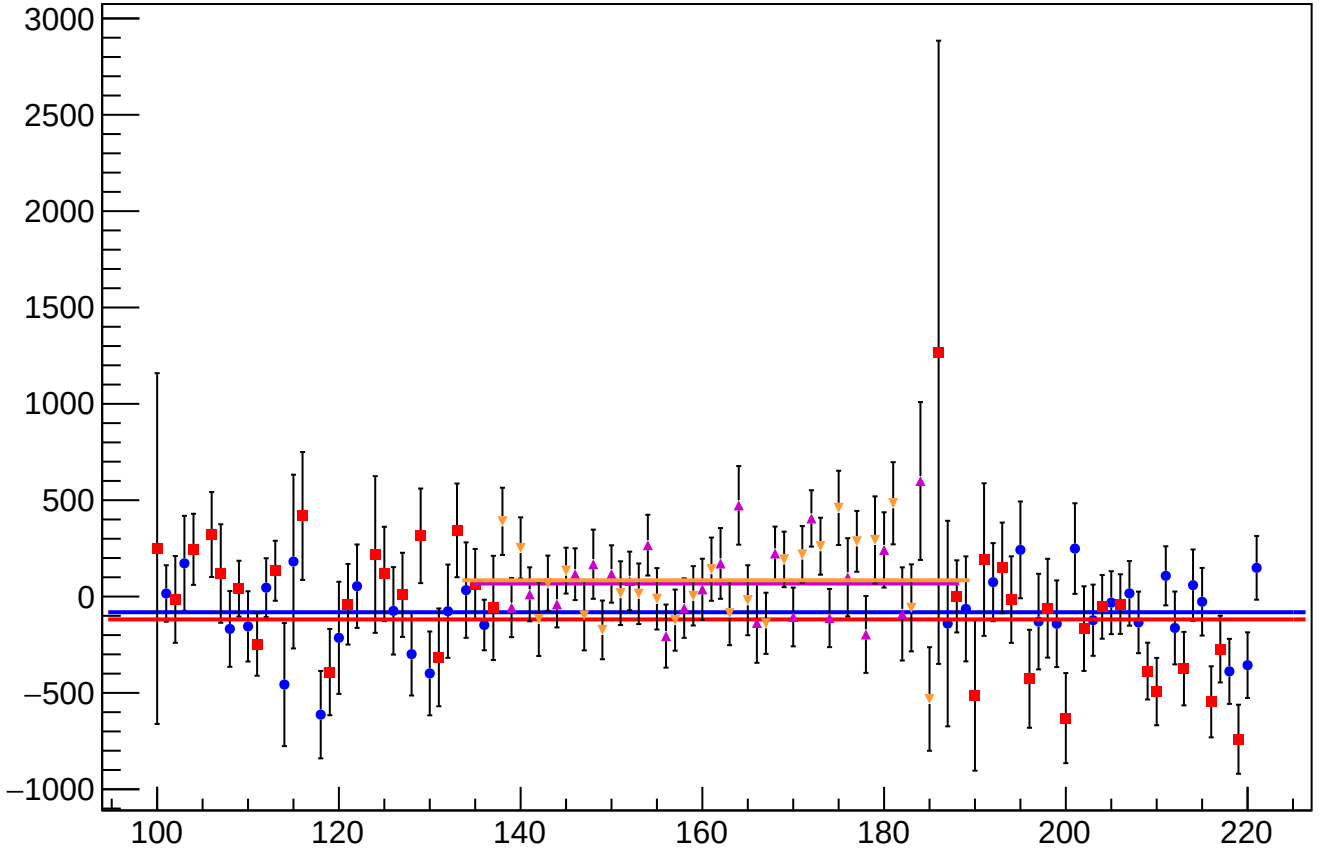
Right: 0.000+/-0.000 χ^2/NDF: 23765849.1/70

In: 0.000+/-0.000 χ^2/NDF:23784815.9/56

Out: 0.000+/-0.000 χ^2/NDF:24141594.0/61

All: 0.000+/-0.000 χ^2/NDF: 47938141.3/118

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



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: -118.602+/-34.720 χ^2/NDF: 67.2/36

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

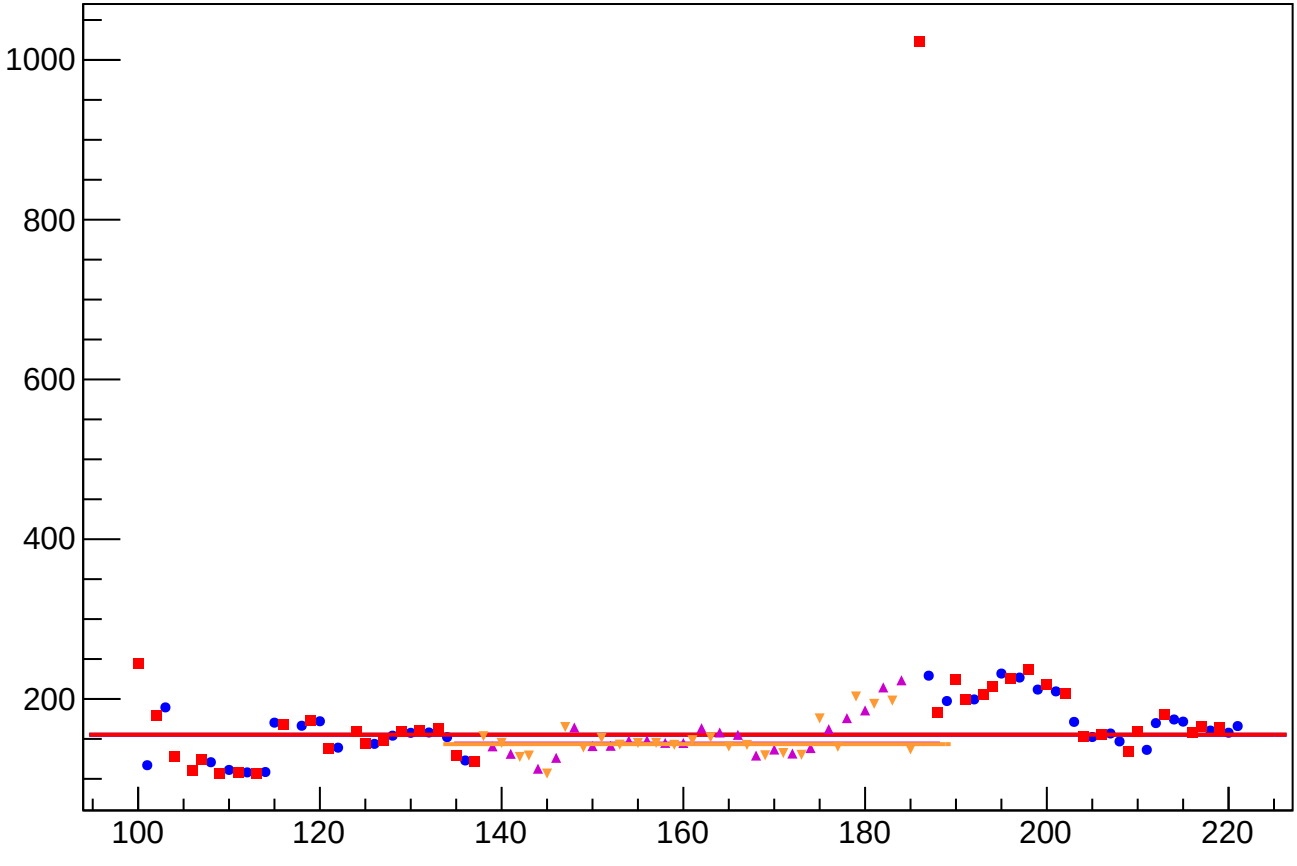
Right: -99.509+/-24.227 χ^2/NDF: 96.9/70

In: -7.565+/-24.026 χ^2/NDF:65.3/56

Out: -12.097+/-23.933 χ^2/NDF:118.9/61

All: -9.840+/-16.956 χ^2/NDF: 184.3/118

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 155.326+/-0.025 χ^2/NDF: 2530510.5/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

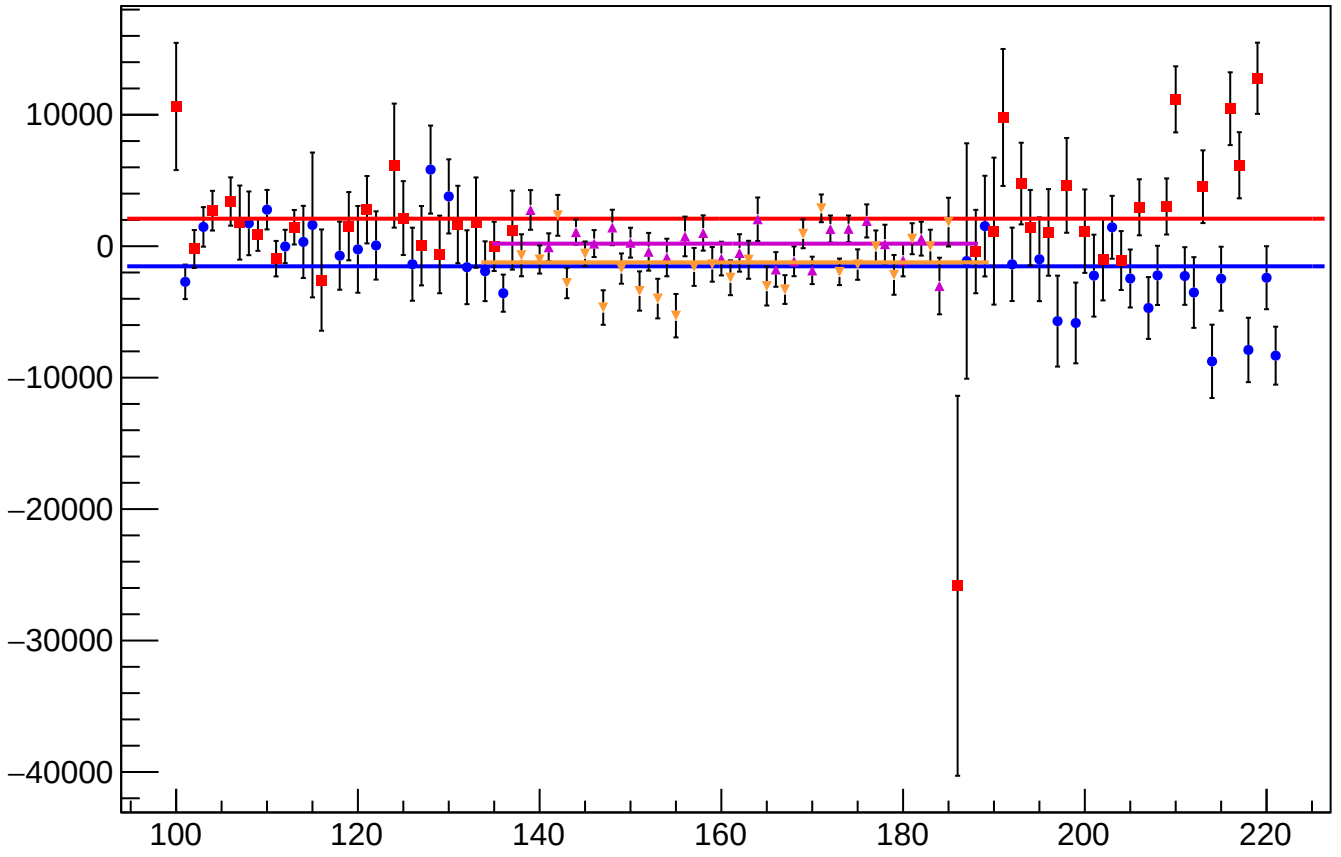
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 155.275+/-0.017 χ^2/NDF: 4148313.1/70

In: 149.750+/-0.017 χ^2/NDF:2426386.2/56

Out: 149.089+/-0.017 χ^2/NDF:3400495.9/61

All: 149.418+/-0.012 χ^2/NDF: 5827641.0/118



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: 2094.482+/-386.865 χ^2/NDF: 70.3/36

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

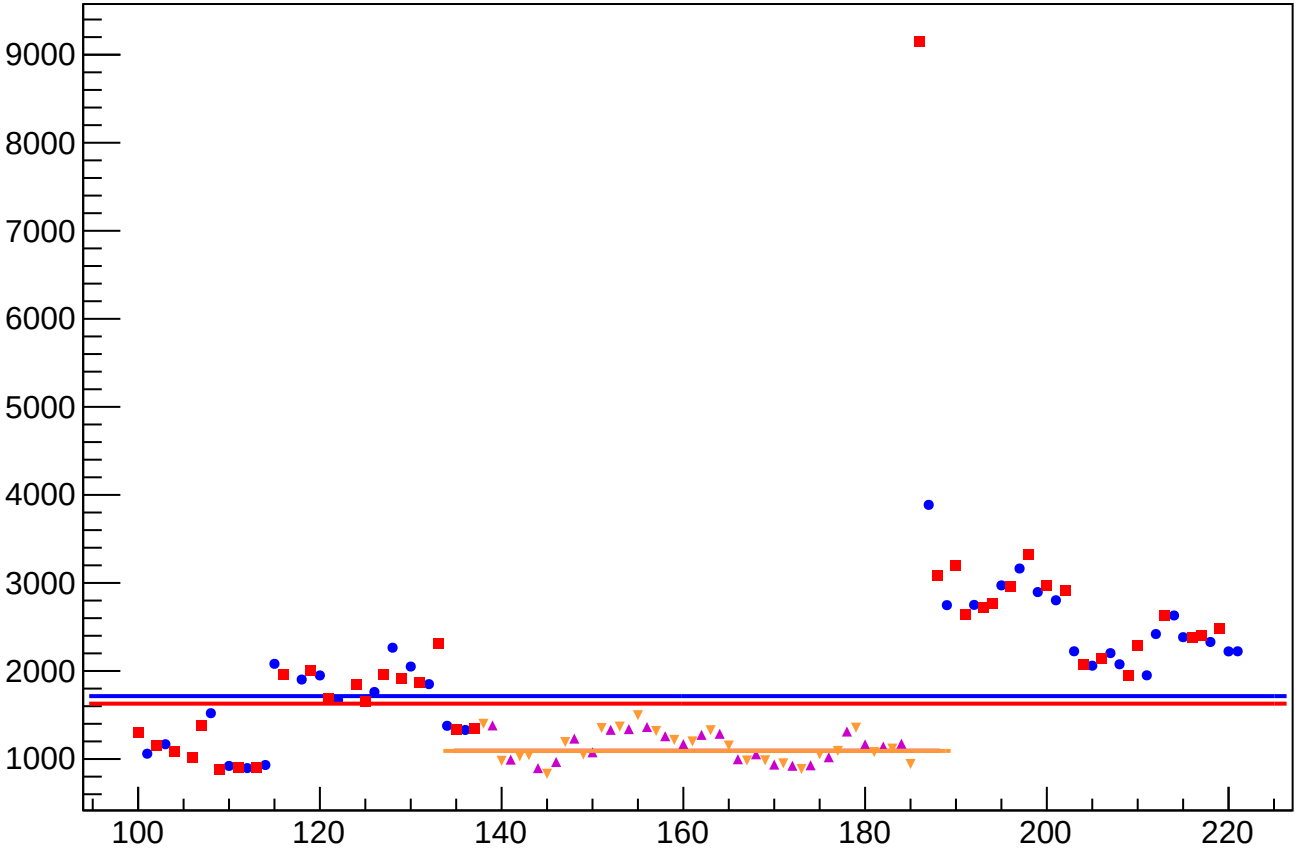
Right: 303.938+/-275.166 χ^2/NDF: 173.5/70

In: -330.633+/-215.957 χ^2/NDF:96.6/56

Out: -237.427+/-211.017 χ^2/NDF:181.3/61

All: -282.952+/-150.928 χ^2/NDF: 278.0/118

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1628.862+/-0.274 χ^2/NDF: 7348458.5/36

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

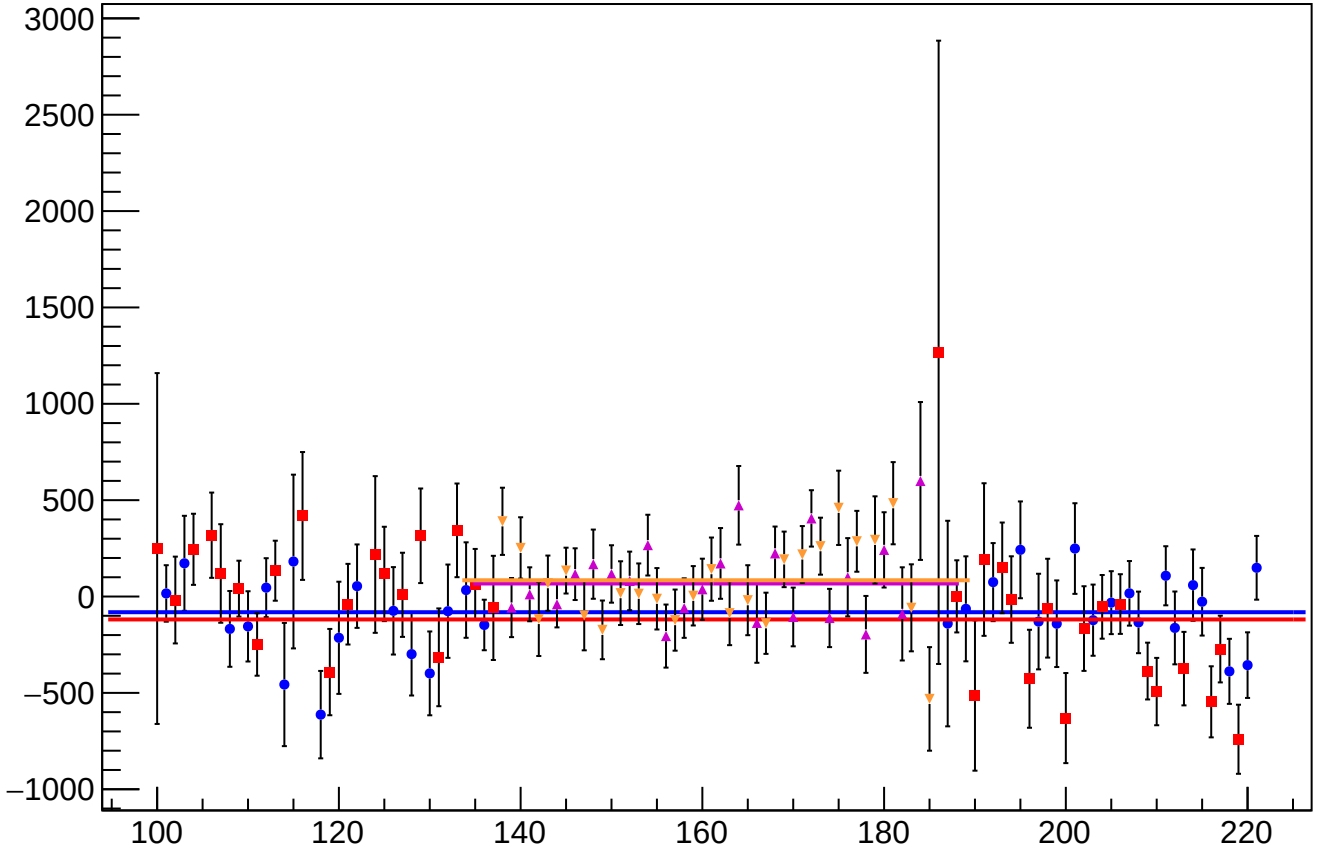
Right: 1671.163+/-0.195 χ^2/NDF: 12899825.6/70

In: 1283.167+/-0.153 χ^2/NDF:9725965.3/56

Out: 1251.712+/-0.149 χ^2/NDF:10946754.2/61

All: 1267.075+/-0.107 χ^2/NDF: 20694425.3/1

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



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: -118.837+/-34.723 χ^2/NDF: 67.1/36

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

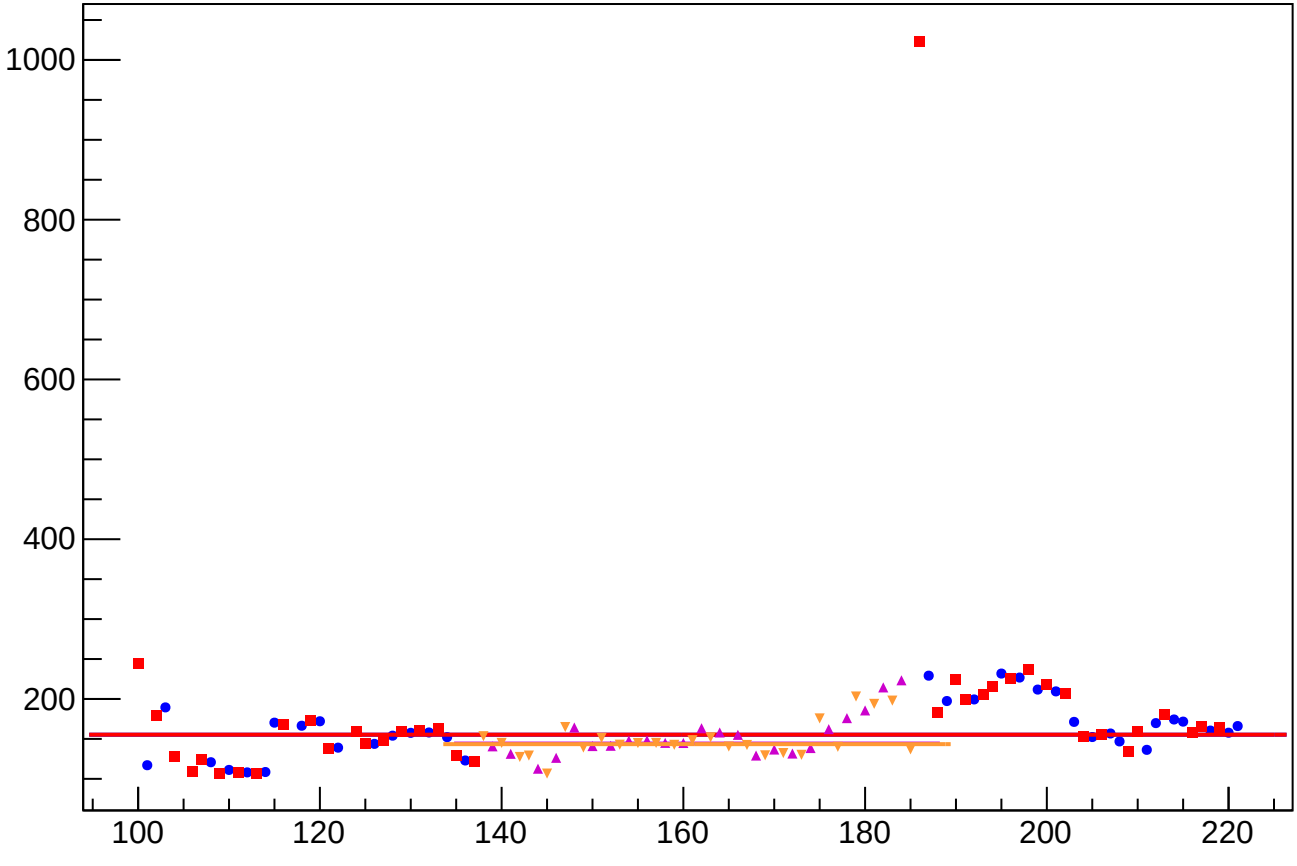
Right: -99.625+/-24.228 χ^2/NDF: 96.8/70

In: -7.567+/-24.026 χ^2/NDF:65.3/56

Out: -12.192+/-23.934 χ^2/NDF:118.9/61

All: -9.889+/-16.956 χ^2/NDF: 184.2/118

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

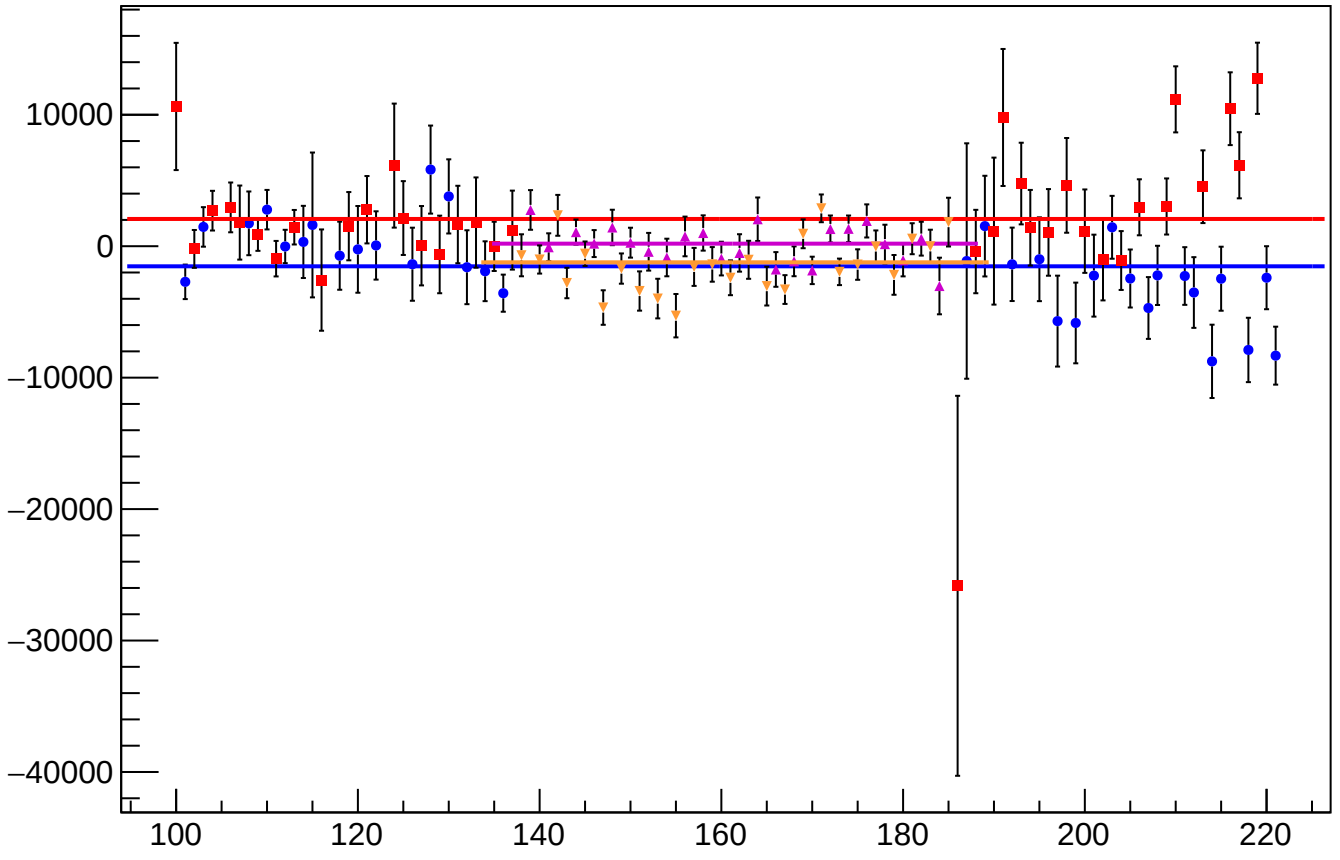
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 155.260+/-0.017 χ^2/NDF: 4153892.6/70

In: 149.750+/-0.017 χ^2/NDF:2426388.7/56

Out: 149.074+/-0.017 χ^2/NDF:3405424.1/61

All: 149.411+/-0.012 χ^2/NDF: 5832607.3/118



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: 2073.038+/-387.385 χ^2/NDF: 70.0/36

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

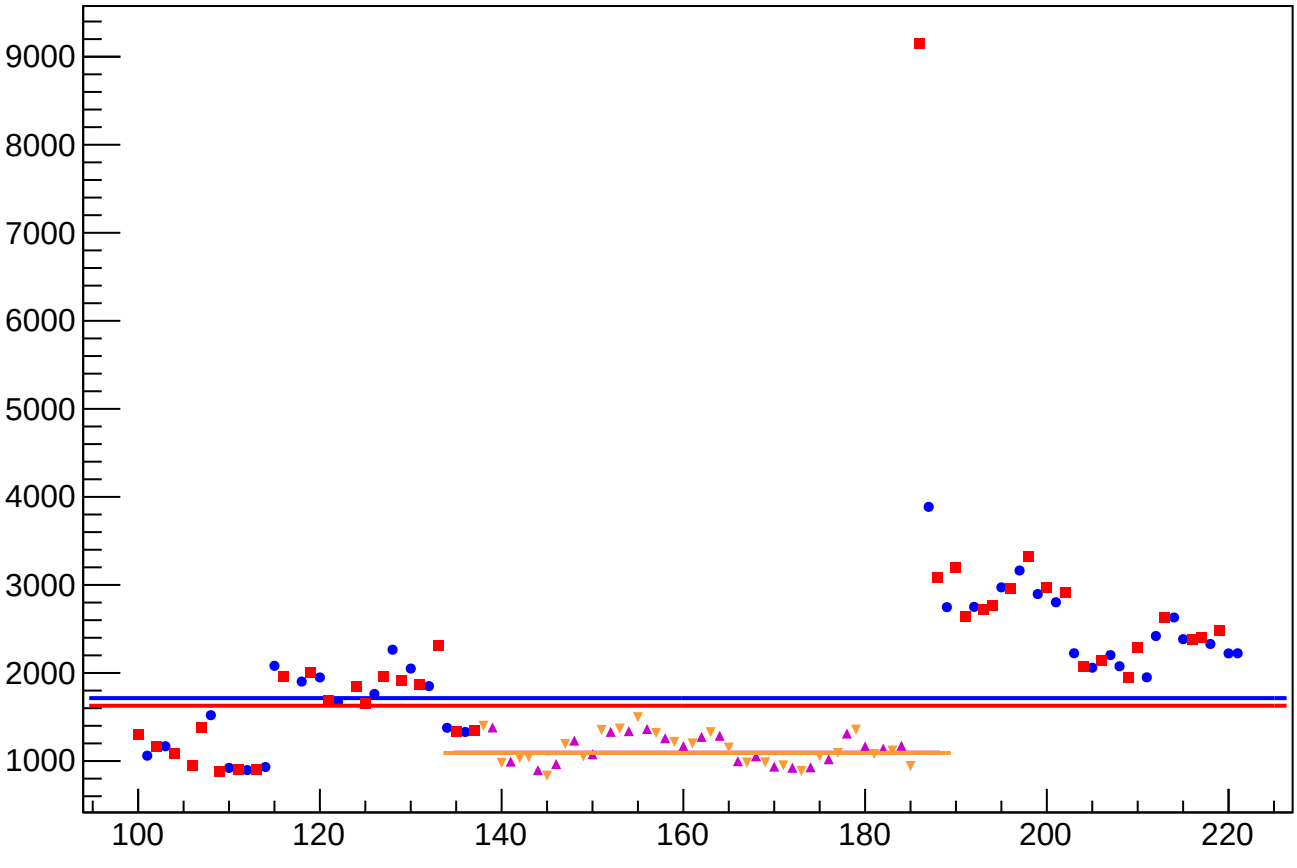
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 290.654+/-275.353 χ^2/NDF: 172.6/70

In: -330.644+/-215.958 χ^2/NDF:96.6/56

Out: -245.646+/-211.101 χ^2/NDF:180.2/61

All: -287.178+/-150.959 χ^2/NDF: 276.9/118



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: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

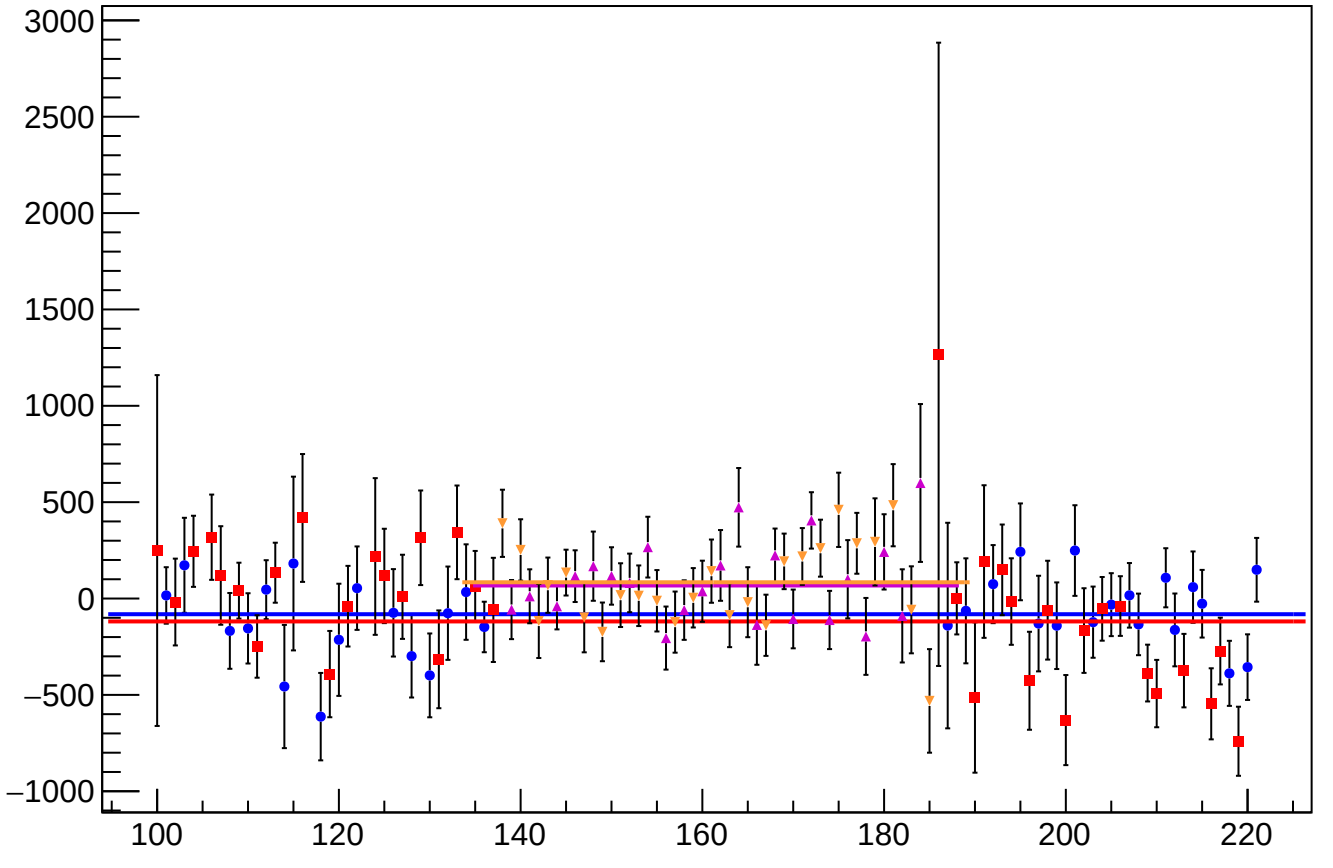
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1670.769+/-0.195 χ^2/NDF: 12931183.6/70

In: 1283.170+/-0.153 χ^2/NDF:9725941.2/56

Out: 1251.142+/-0.149 χ^2/NDF:10963075.7/61

All: 1266.792+/-0.107 χ^2/NDF: 20711511.6/



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: -118.837+/-34.723 χ^2/NDF: 67.1/36

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

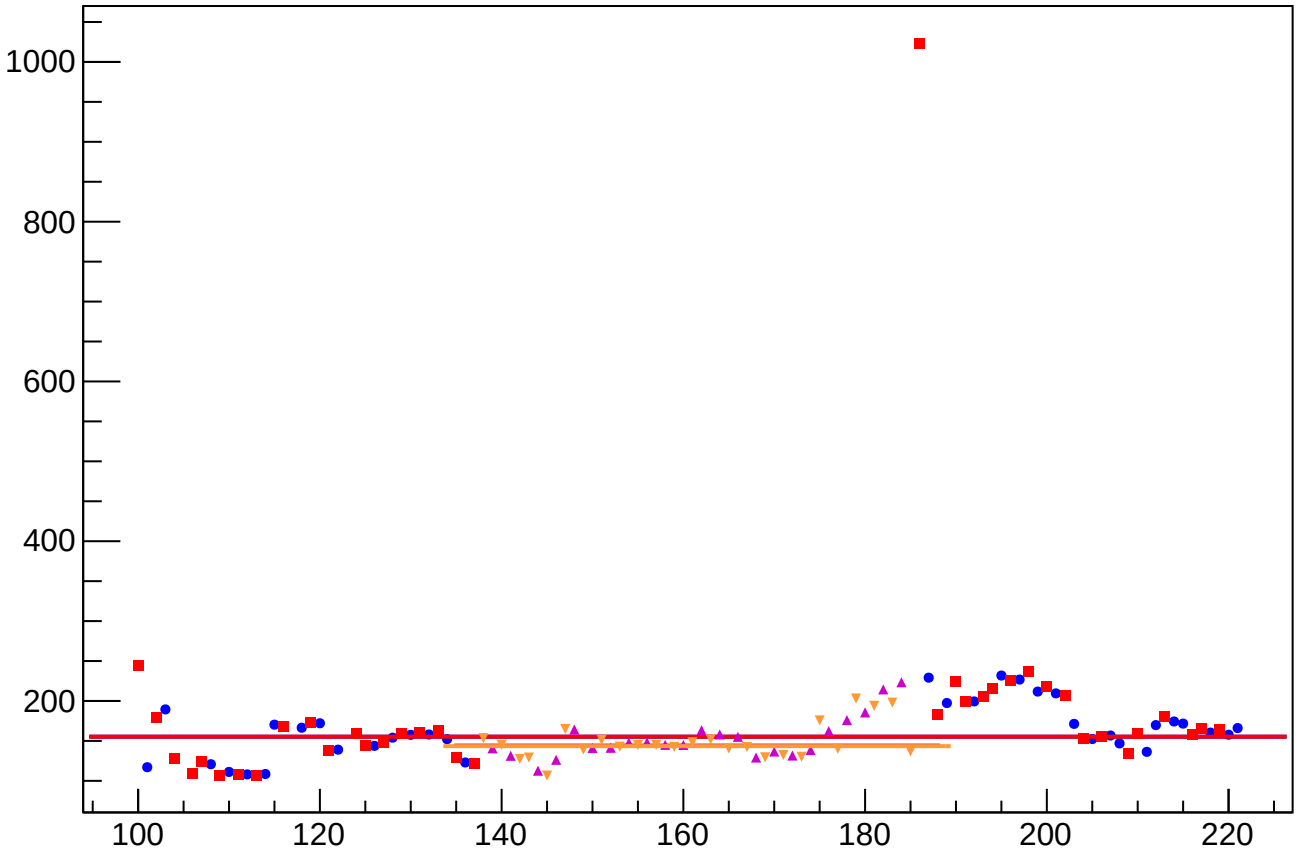
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -99.625+/-24.228 χ^2/NDF: 96.8/70

In: -7.567+/-24.026 χ^2/NDF:65.3/56

Out: -12.192+/-23.934 χ^2/NDF:118.9/61

All: -9.889+/-16.956 χ^2/NDF: 184.2/118



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: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

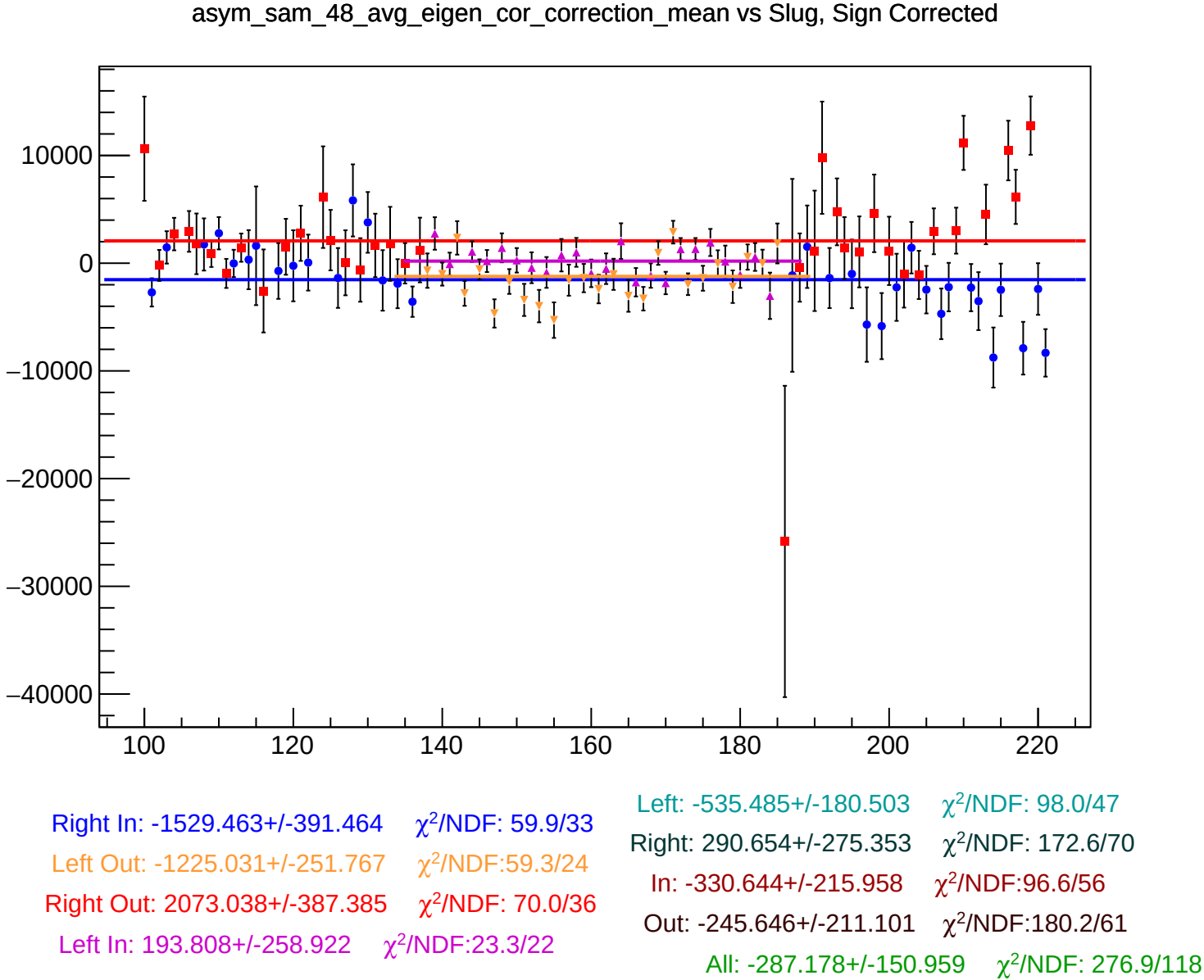
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 155.260+/-0.017 χ^2/NDF: 4153892.6/70

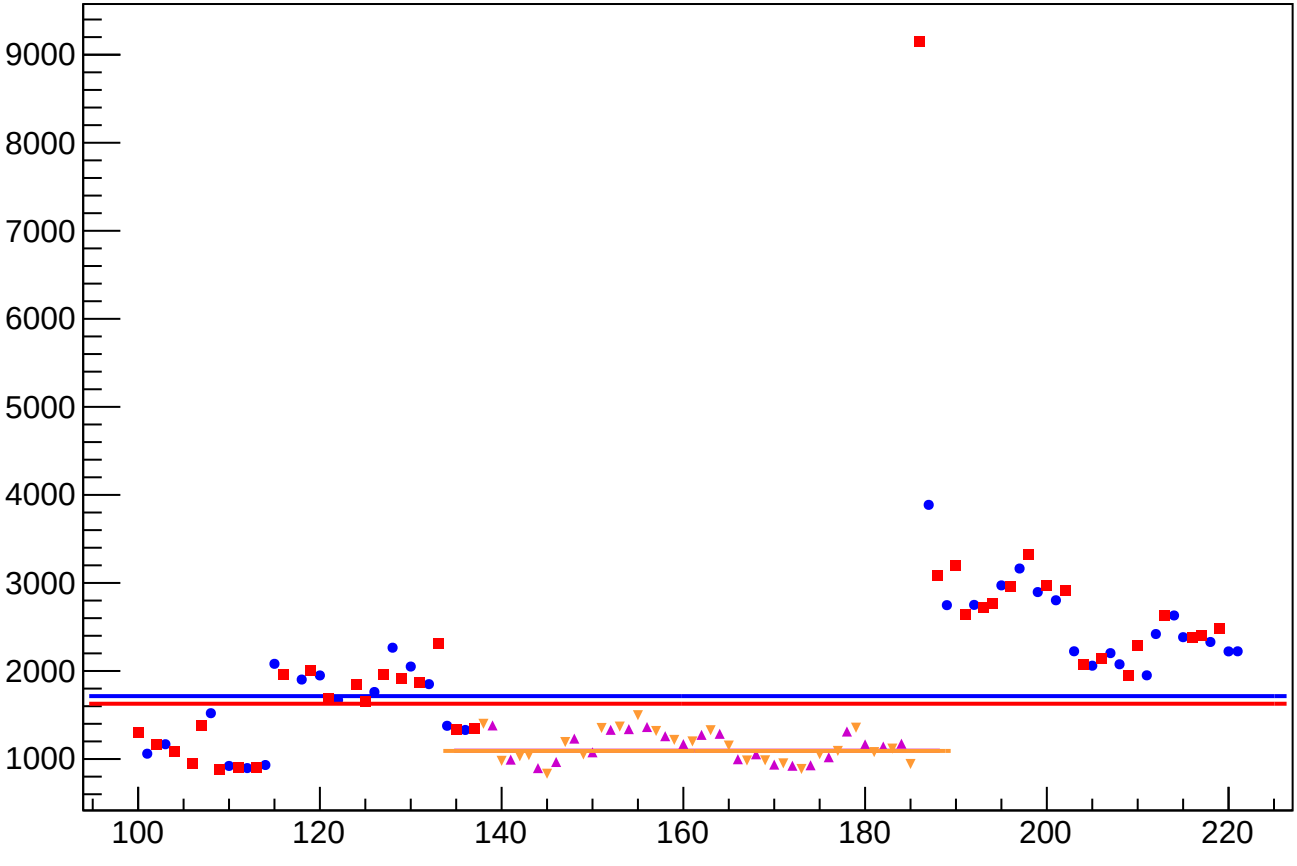
In: 149.750+/-0.017 χ^2/NDF:2426388.7/56

Out: 149.074+/-0.017 χ^2/NDF:3405424.1/61

All: 149.411+/-0.012 χ^2/NDF: 5832607.3/118


asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -1529.463+/-391.464 χ²/NDF: 59.9/33
Left Out: -1225.031+/-251.767 χ²/NDF:59.3/24
Right Out: 2073.038+/-387.385 χ²/NDF: 70.0/36
Left In: 193.808+/-258.922 χ²/NDF:23.3/22
Left: -535.485+/-180.503 χ²/NDF: 98.0/47
Right: 290.654+/-275.353 χ²/NDF: 172.6/70
In: -330.644+/-215.958 χ²/NDF:96.6/56
Out: -245.646+/-211.101 χ²/NDF:180.2/61
All: -287.178+/-150.959 χ²/NDF: 276.9/118

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: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

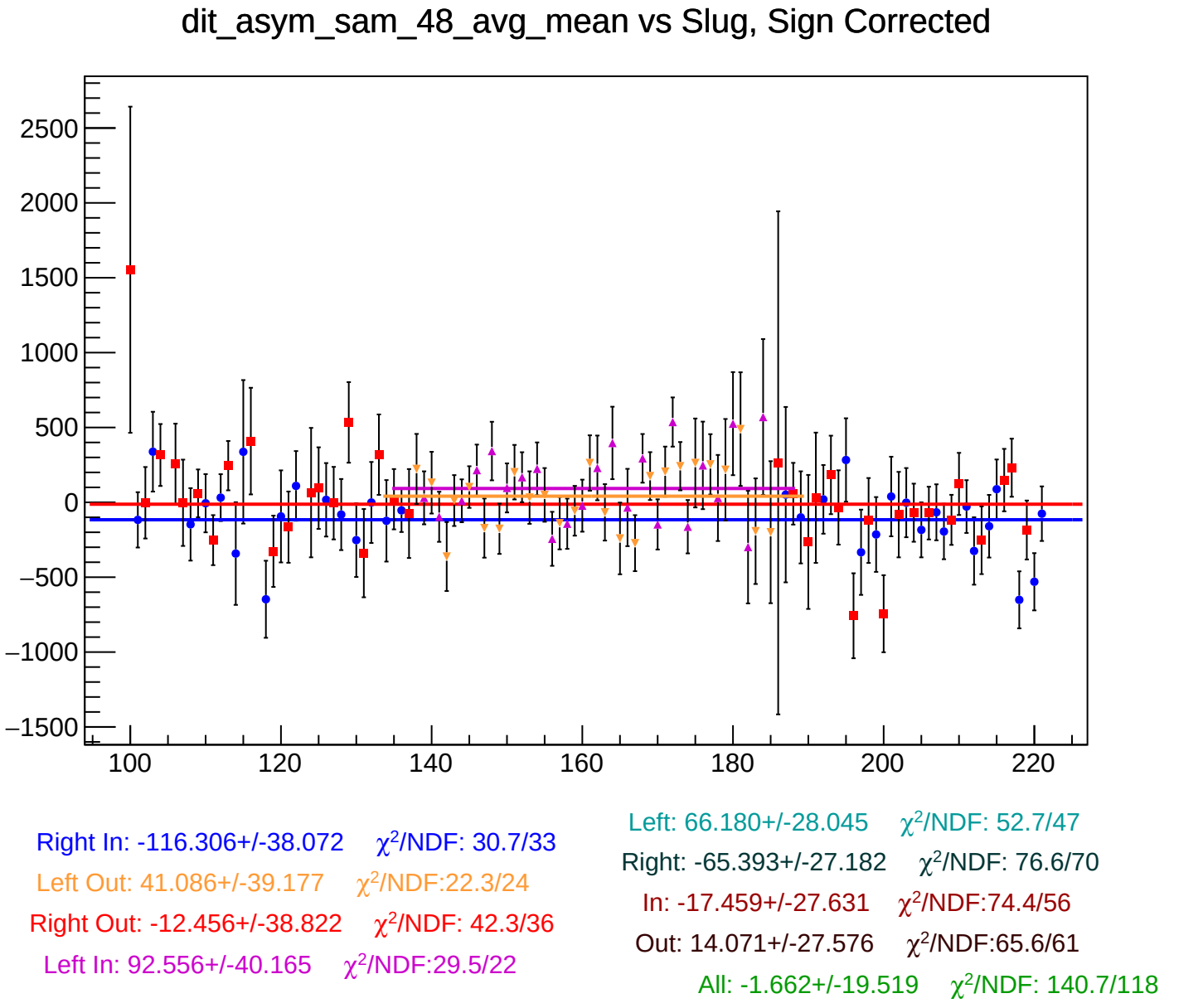
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1670.769+/-0.195 χ^2/NDF: 12931183.6/70

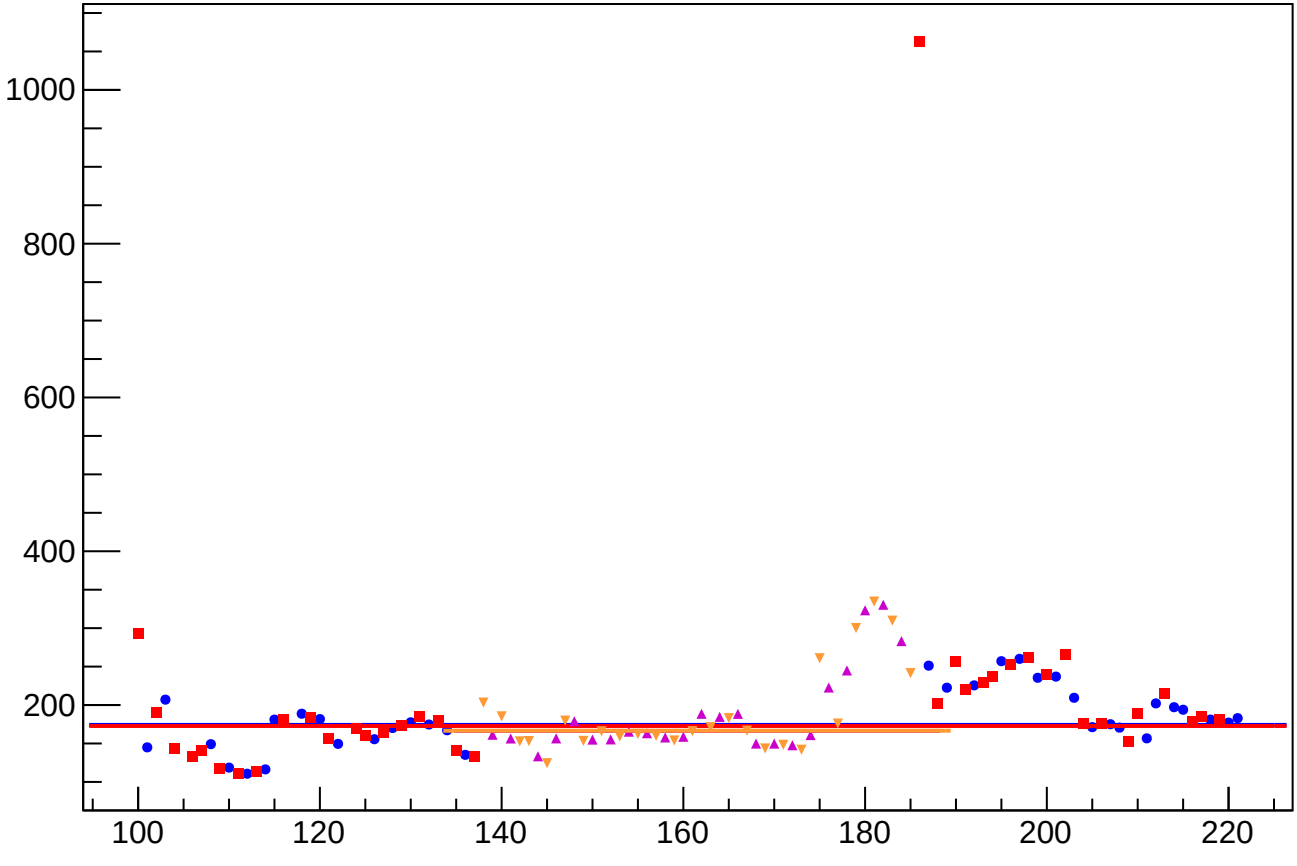
In: 1283.170+/-0.153 χ^2/NDF:9725941.2/56

Out: 1251.142+/-0.149 χ^2/NDF:10963075.7/61

All: 1266.792+/-0.107 χ^2/NDF: 20711511.6/


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -116.306+/-38.072 χ²/NDF: 30.7/33
Left Out: 41.086+/-39.177 χ²/NDF:22.3/24
Right Out: -12.456+/-38.822 χ²/NDF: 42.3/36
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.180+/-28.045 χ²/NDF: 52.7/47
Right: -65.393+/-27.182 χ²/NDF: 76.6/70
In: -17.459+/-27.631 χ²/NDF:74.4/56
Out: 14.071+/-27.576 χ²/NDF:65.6/61
All: -1.662+/-19.519 χ²/NDF: 140.7/118

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: 172.777+/-0.027 χ^2/NDF: 2772327.1/36

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

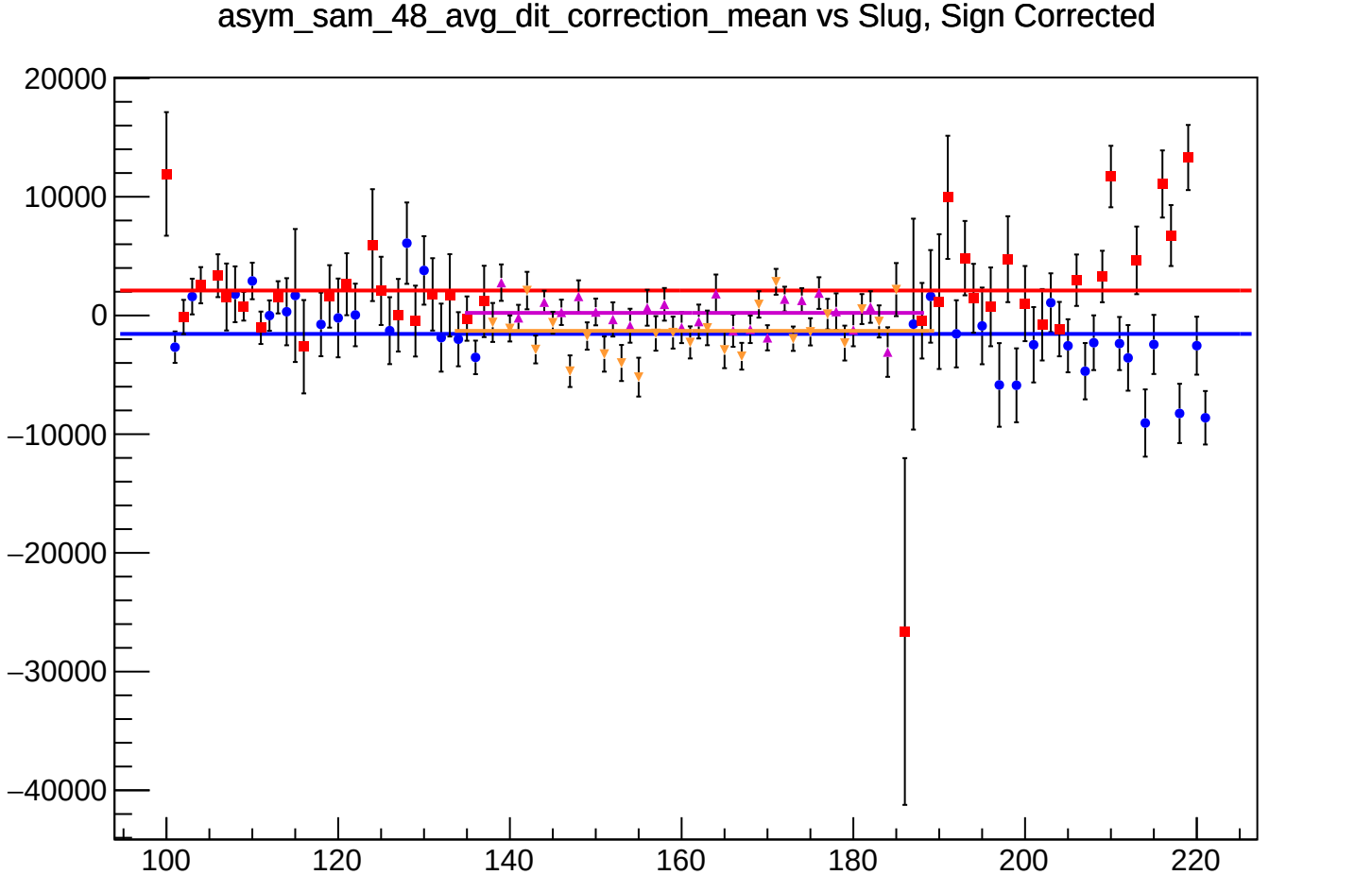
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 173.472+/-0.019 χ^2/NDF: 4540059.8/70

In: 170.433+/-0.020 χ^2/NDF:3198997.0/56

Out: 169.716+/-0.019 χ^2/NDF:4517260.1/61

All: 170.074+/-0.014 χ^2/NDF: 7716932.9/118



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: 2102.488+/-391.014 χ^2/NDF: 74.7/36

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

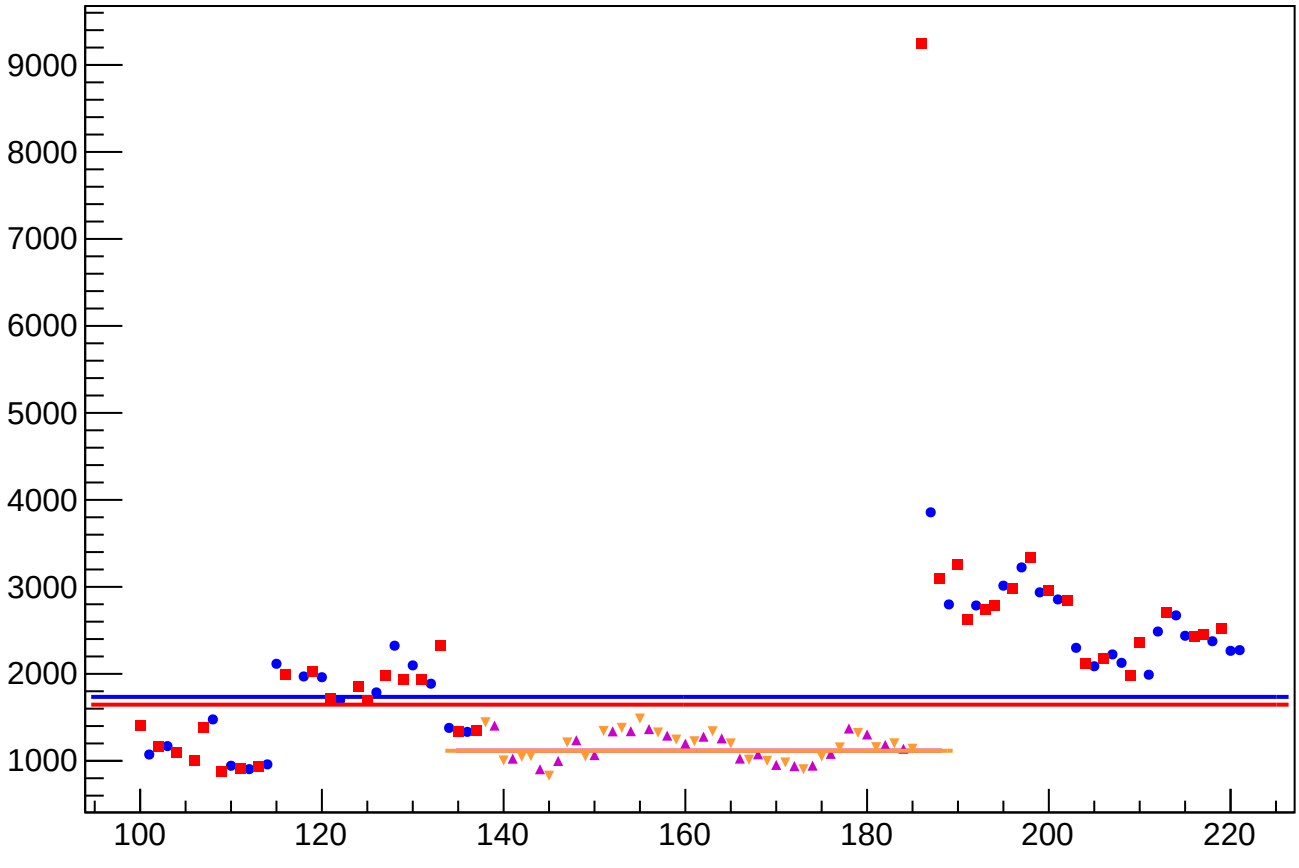
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 300.271+/-278.464 χ^2/NDF: 179.0/70

In: -327.692+/-219.998 χ^2/NDF:97.3/56

Out: -272.606+/-214.742 χ^2/NDF:182.6/61

All: -299.483+/-153.670 χ^2/NDF: 279.9/118



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: 1646.075+/-0.276 χ^2/NDF: 7382094.9/36

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

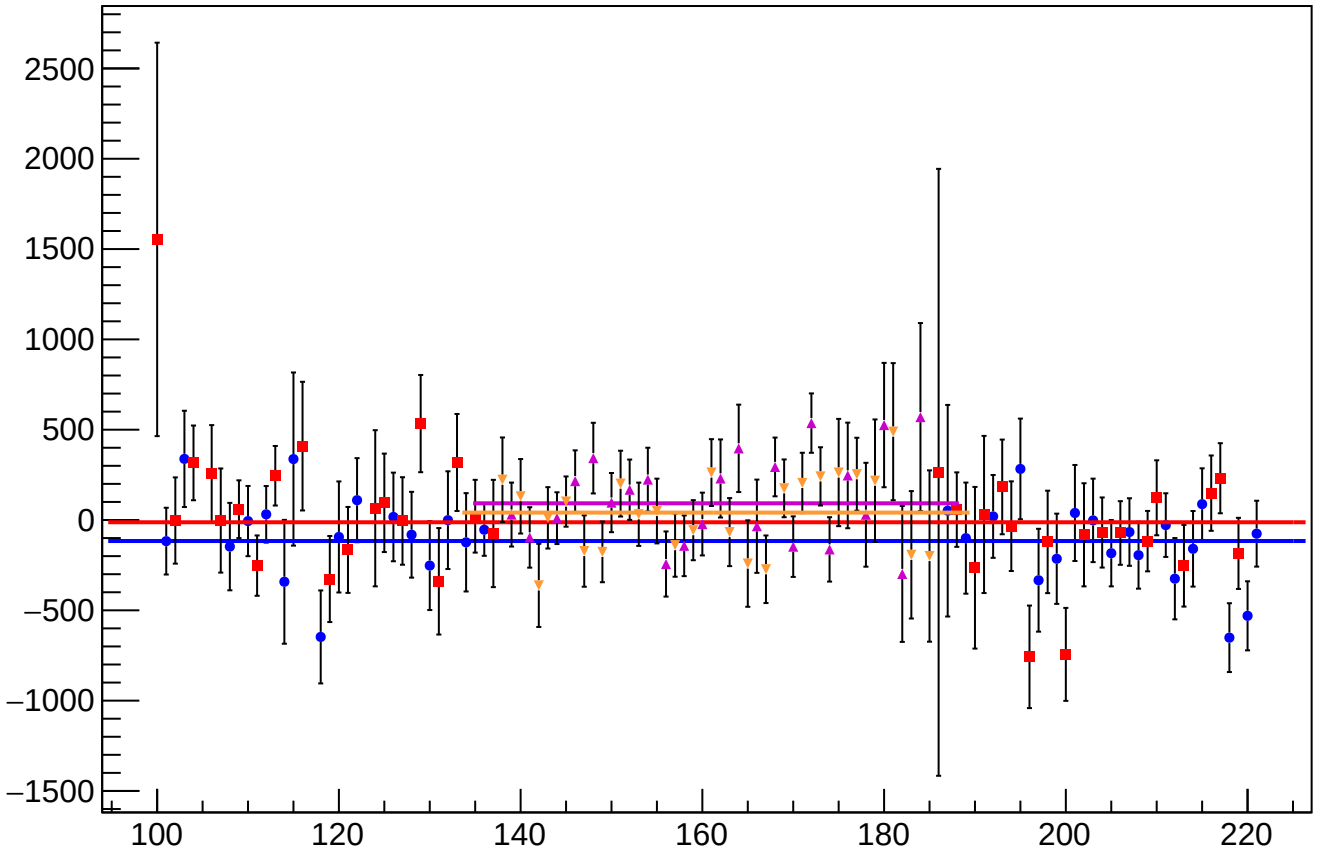
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1690.045+/-0.197 χ^2/NDF: 13049264.5/70

In: 1307.767+/-0.156 χ^2/NDF:9700793.7/56

Out: 1275.900+/-0.152 χ^2/NDF:10816202.8/61

All: 1291.448+/-0.109 χ^2/NDF: 20538485.6/



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: -12.460+/-38.822 χ^2/NDF: 42.3/36

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

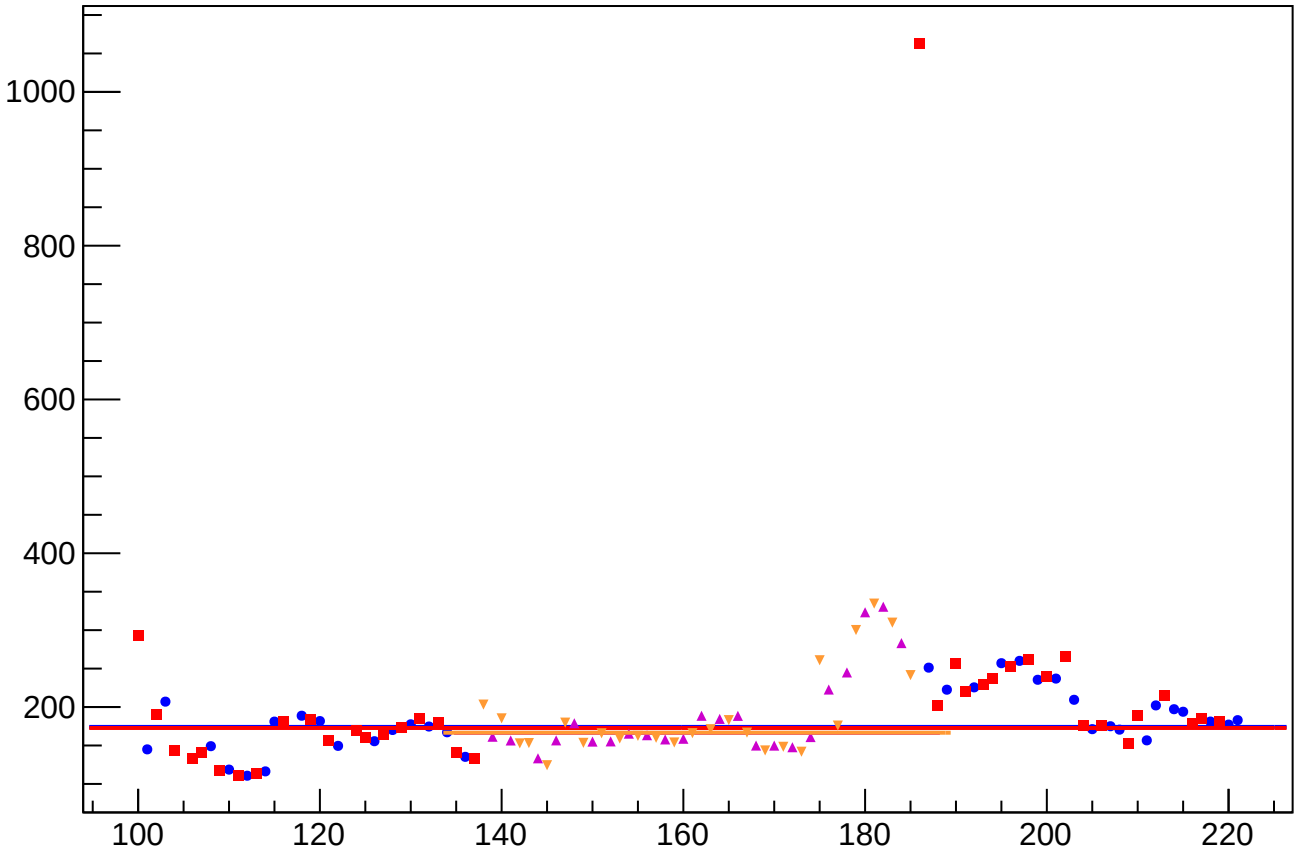
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -65.393+/-27.182 χ^2/NDF: 76.6/70

In: -17.457+/-27.631 χ^2/NDF:74.4/56

Out: 14.070+/-27.576 χ^2/NDF:65.6/61

All: -1.662+/-19.519 χ^2/NDF: 140.7/118



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: 172.777+/-0.027 χ^2/NDF: 2772328.2/36

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

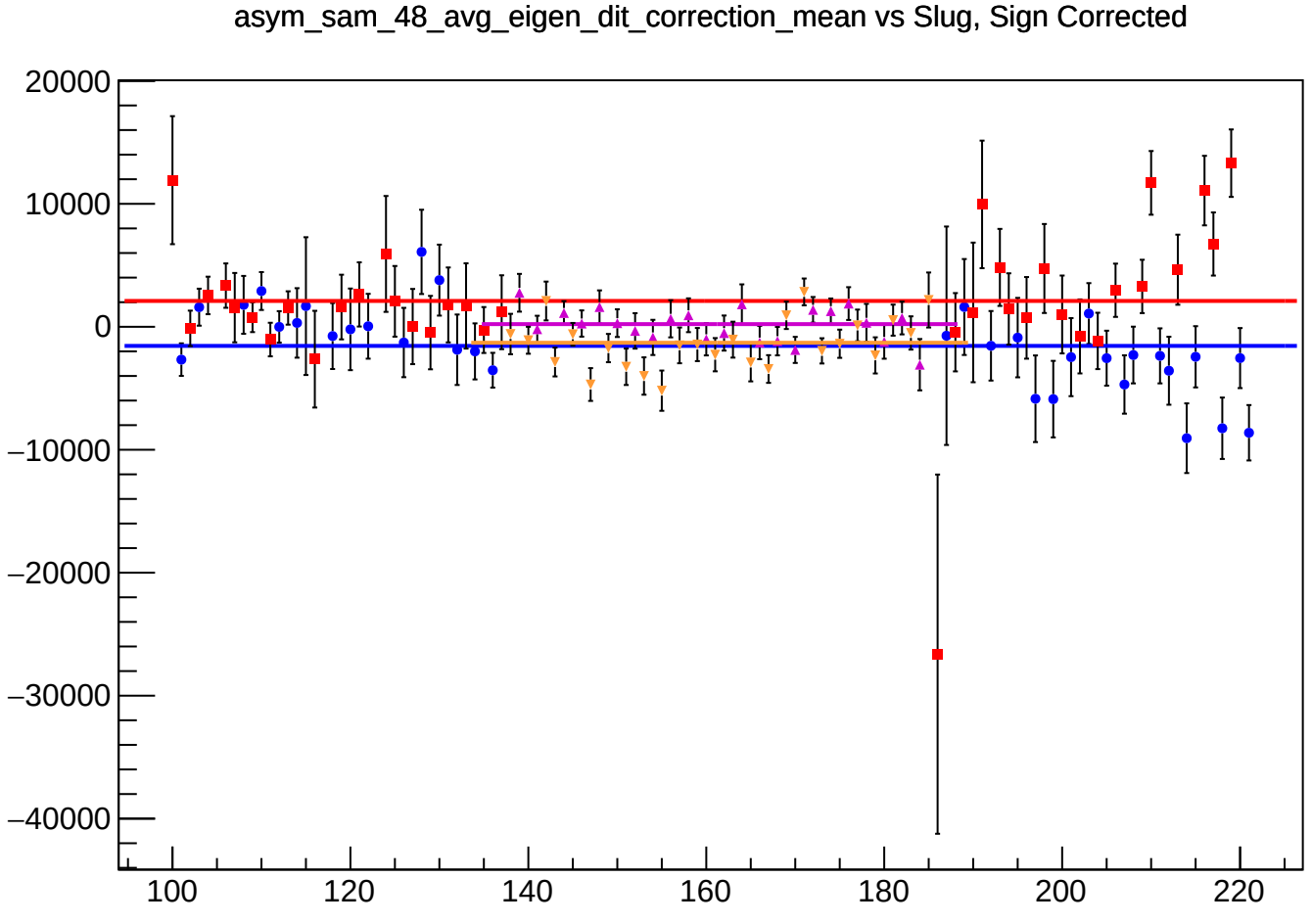
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 173.472+/-0.019 χ^2/NDF: 4540039.8/70

In: 170.433+/-0.020 χ^2/NDF:3198951.5/56

Out: 169.716+/-0.019 χ^2/NDF:4517252.1/61

All: 170.074+/-0.014 χ^2/NDF: 7716879.3/118



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: 2102.485+/-391.014 χ^2/NDF: 74.7/36

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

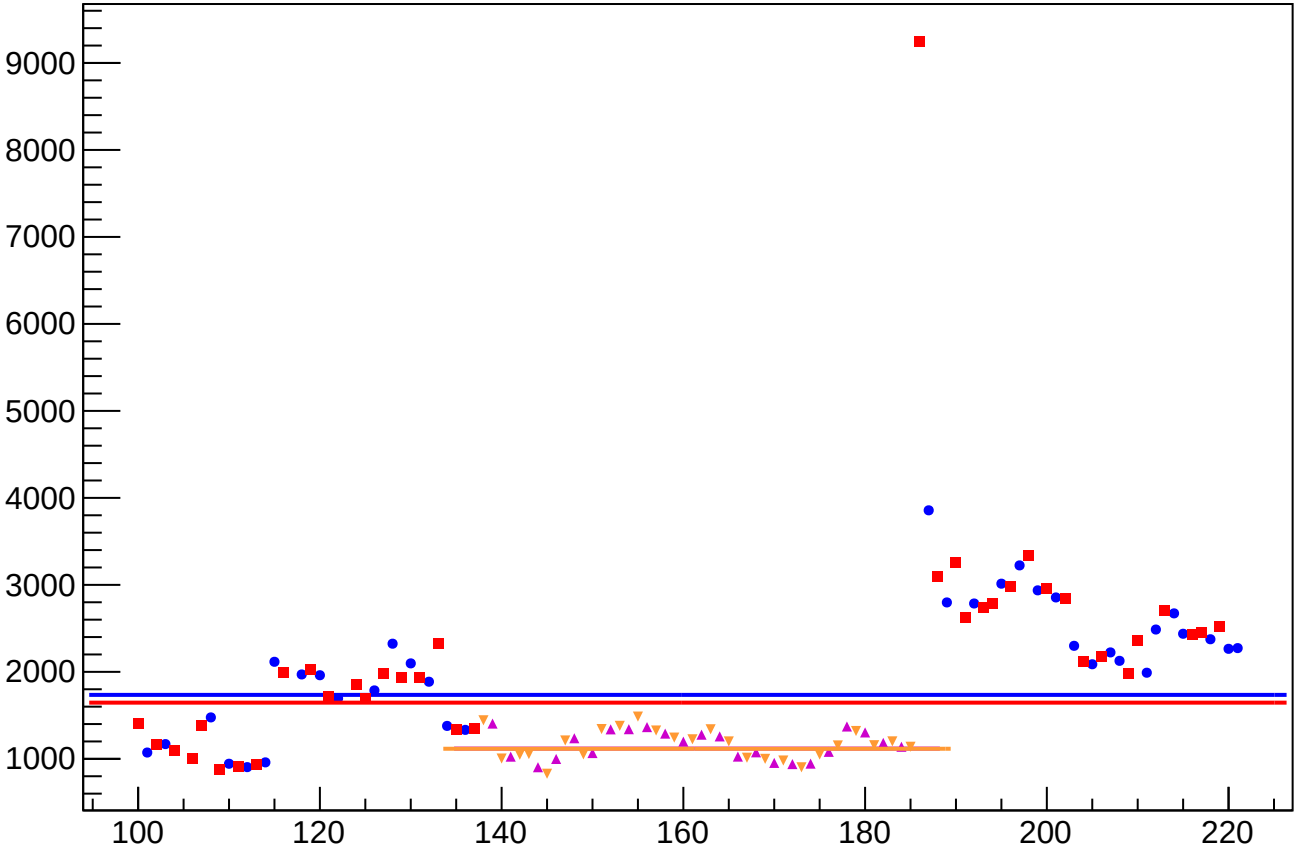
Right: 300.271+/-278.464 χ^2/NDF: 179.0/70

In: -327.692+/-219.997 χ^2/NDF:97.3/56

Out: -272.607+/-214.741 χ^2/NDF:182.6/61

All: -299.483+/-153.670 χ^2/NDF: 279.9/118

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: 1646.073+/-0.276 χ^2/NDF: 7382094.6/36

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

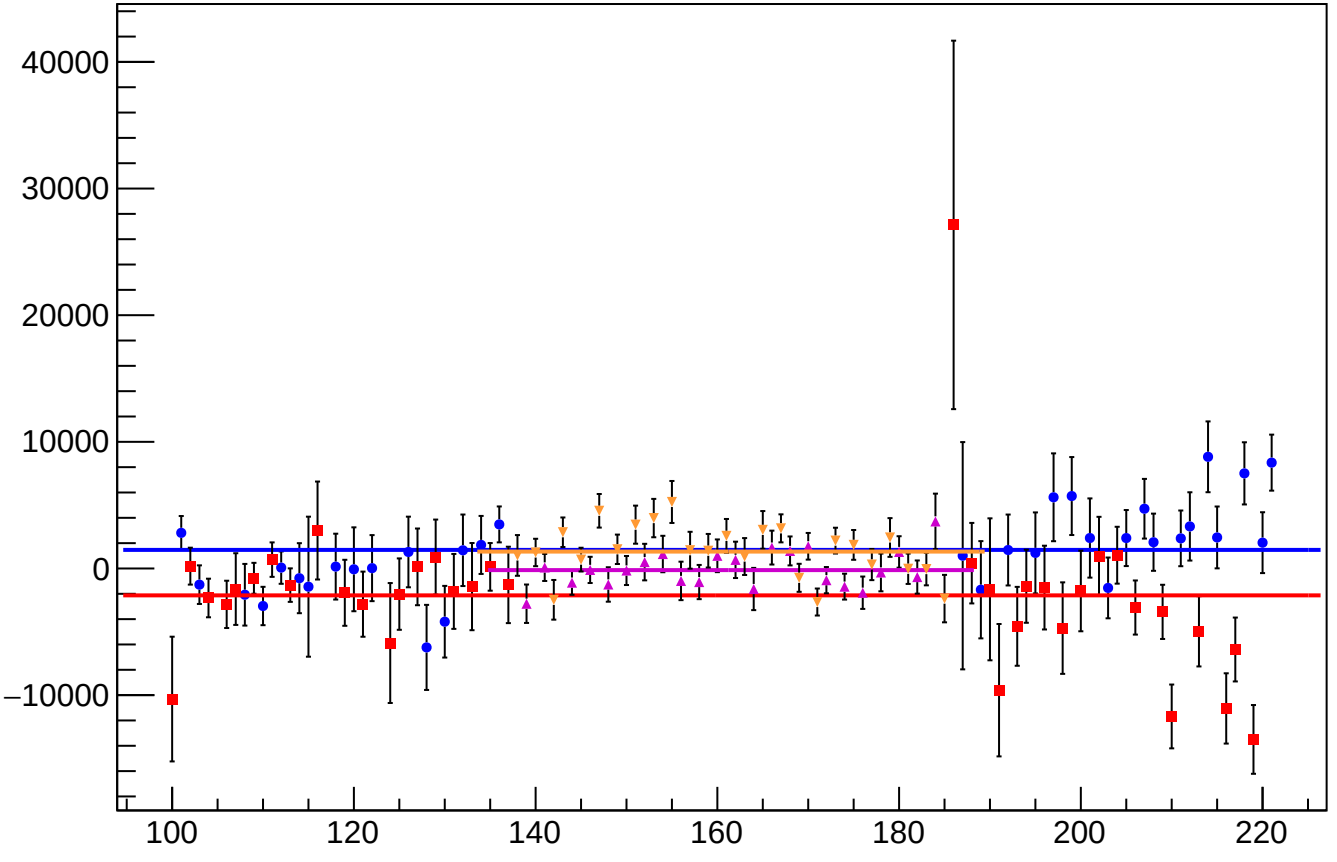
Right: 1690.043+/-0.197 χ^2/NDF: 13049264.0/70

In: 1307.765+/-0.156 χ^2/NDF:9700801.7/56

Out: 1275.898+/-0.152 χ^2/NDF:10816213.6/61

All: 1291.446+/-0.109 χ^2/NDF: 20538504.6/

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: -2123.015+/-389.216 χ^2/NDF: 74.8/36

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

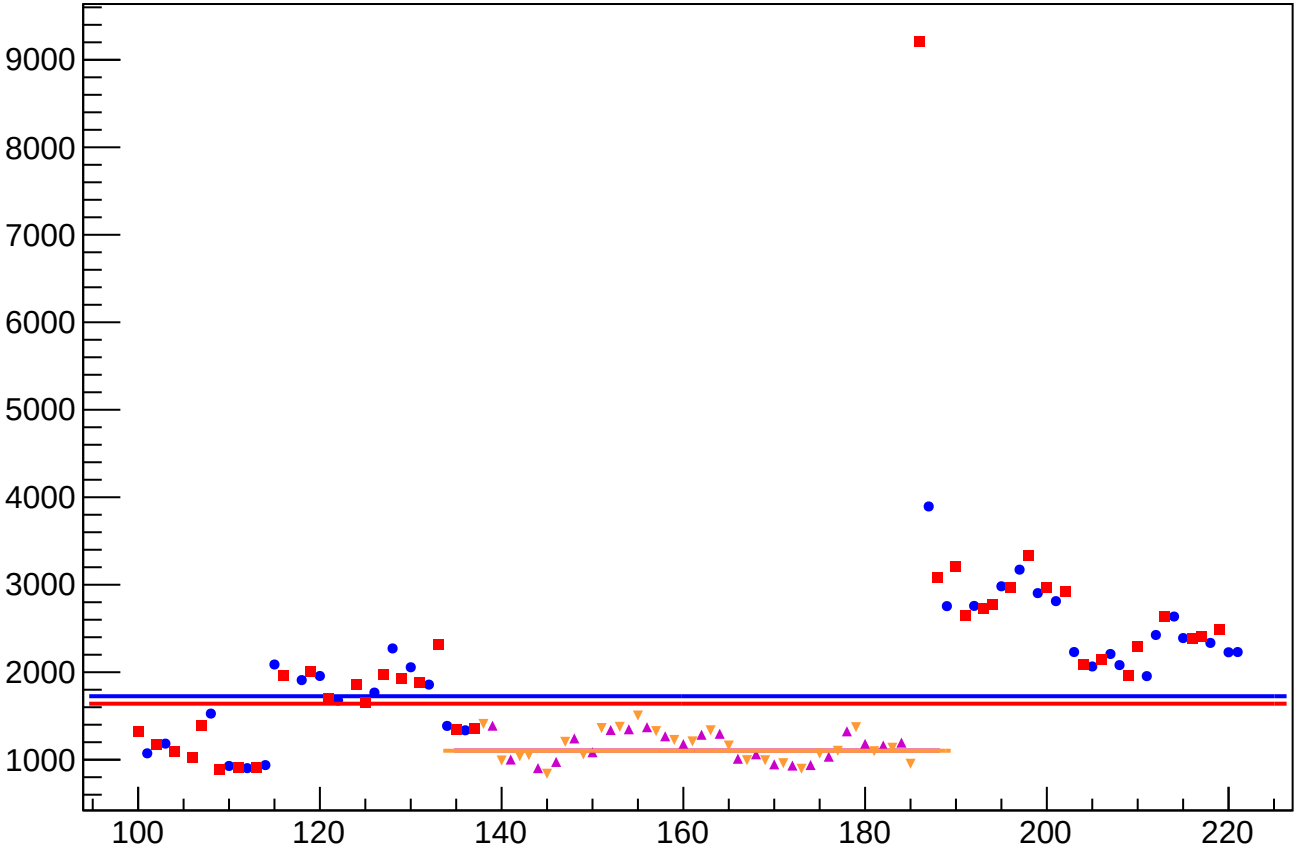
Right: -348.178+/-276.770 χ^2/NDF: 177.4/70

In: 359.972+/-217.769 χ^2/NDF:95.9/56

Out: 300.892+/-212.822 χ^2/NDF:185.8/61

All: 329.753+/-152.207 χ^2/NDF: 281.7/118

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: 1640.362+/-0.275 χ^2/NDF: 7270447.8/36

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

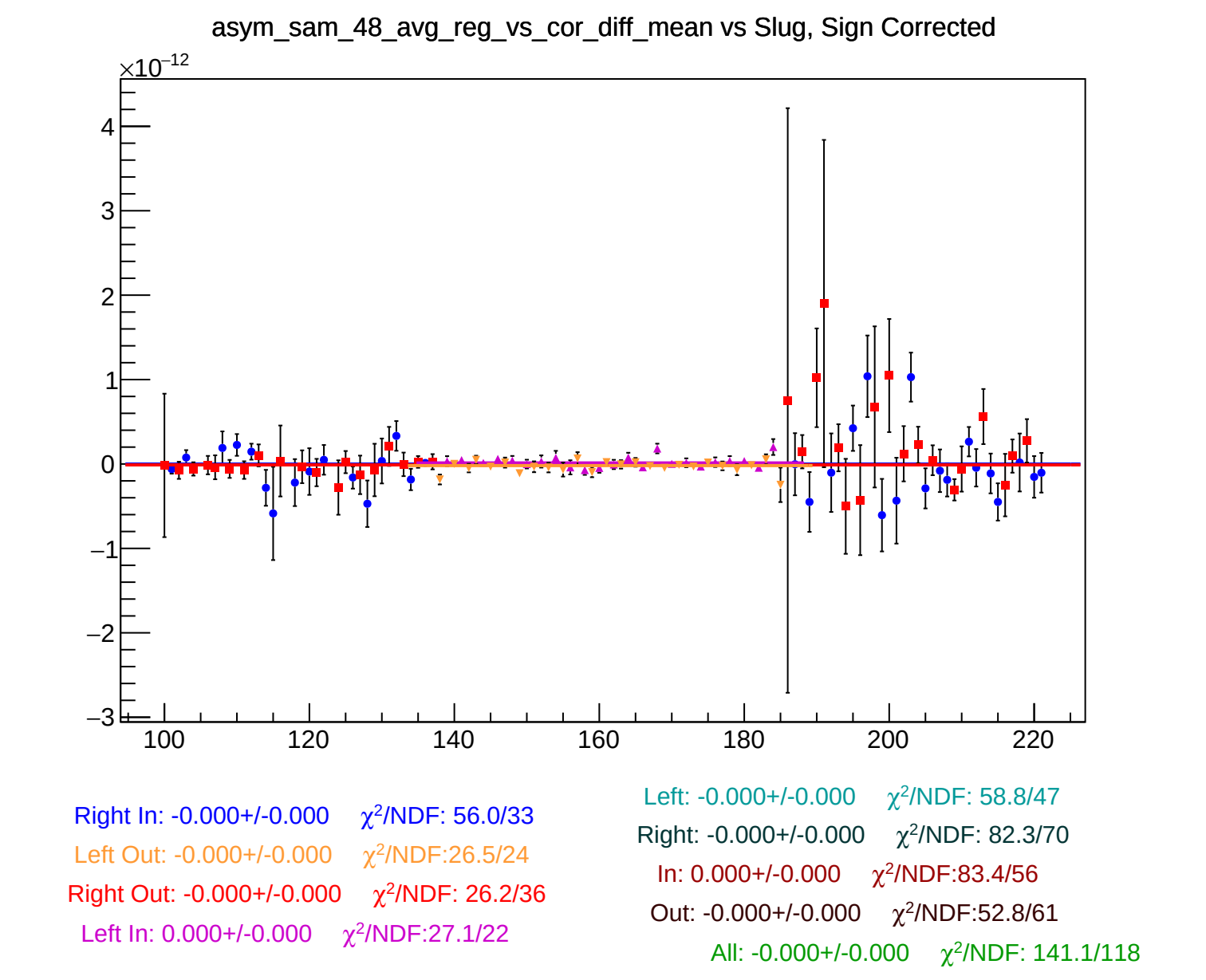
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

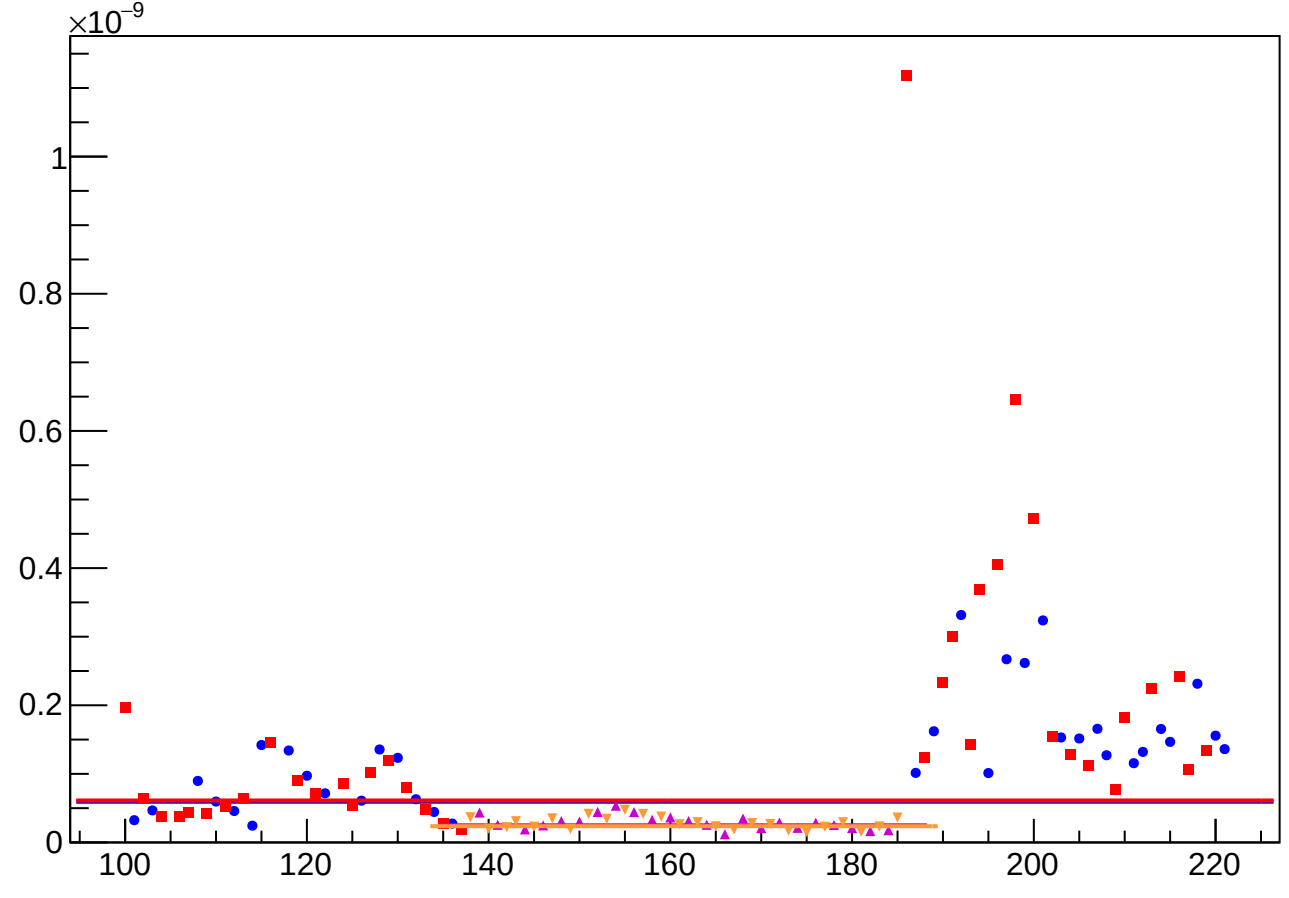
Right: 1682.566+/-0.196 χ^2/NDF: 12745293.0/70

In: 1295.111+/-0.154 χ^2/NDF:9599523.9/56

Out: 1263.454+/-0.150 χ^2/NDF:10826347.2/61

All: 1278.919+/-0.108 χ^2/NDF: 20447489.1/1


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: 26.2/36
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: 82.3/70
In: 0.000+/-0.000 χ²/NDF:83.4/56
Out: -0.000+/-0.000 χ²/NDF:52.8/61
All: -0.000+/-0.000 χ²/NDF: 141.1/118



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: 7288118.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

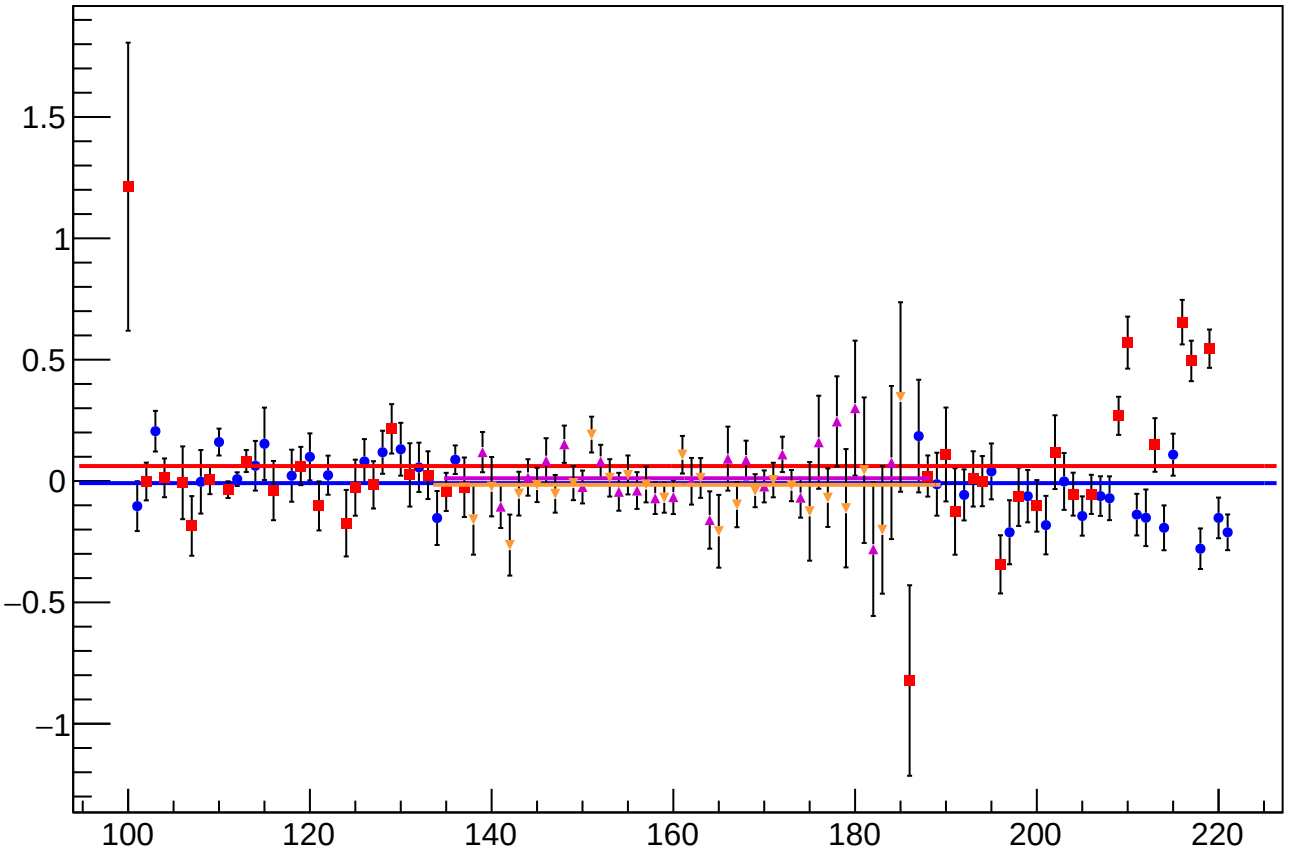
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14978221.1/70

In: 0.000+/-0.000 χ^2/NDF:12547801.9/56

Out: 0.000+/-0.000 χ^2/NDF:12355527.0/61

All: 0.000+/-0.000 χ^2/NDF: 24964524.6/118



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: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

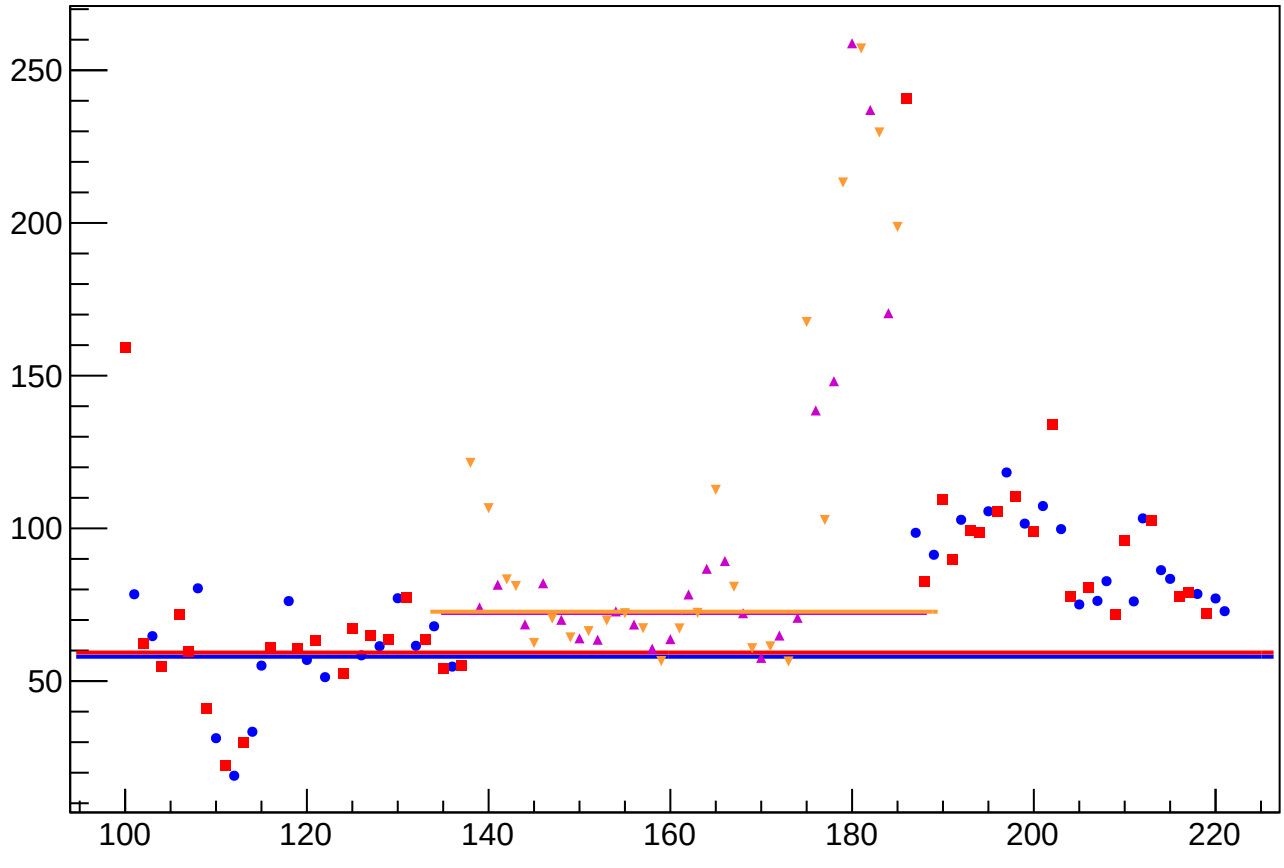
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.010 χ^2/NDF: 274.6/70

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.015+/-0.008 χ^2/NDF: 323.6/118



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: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

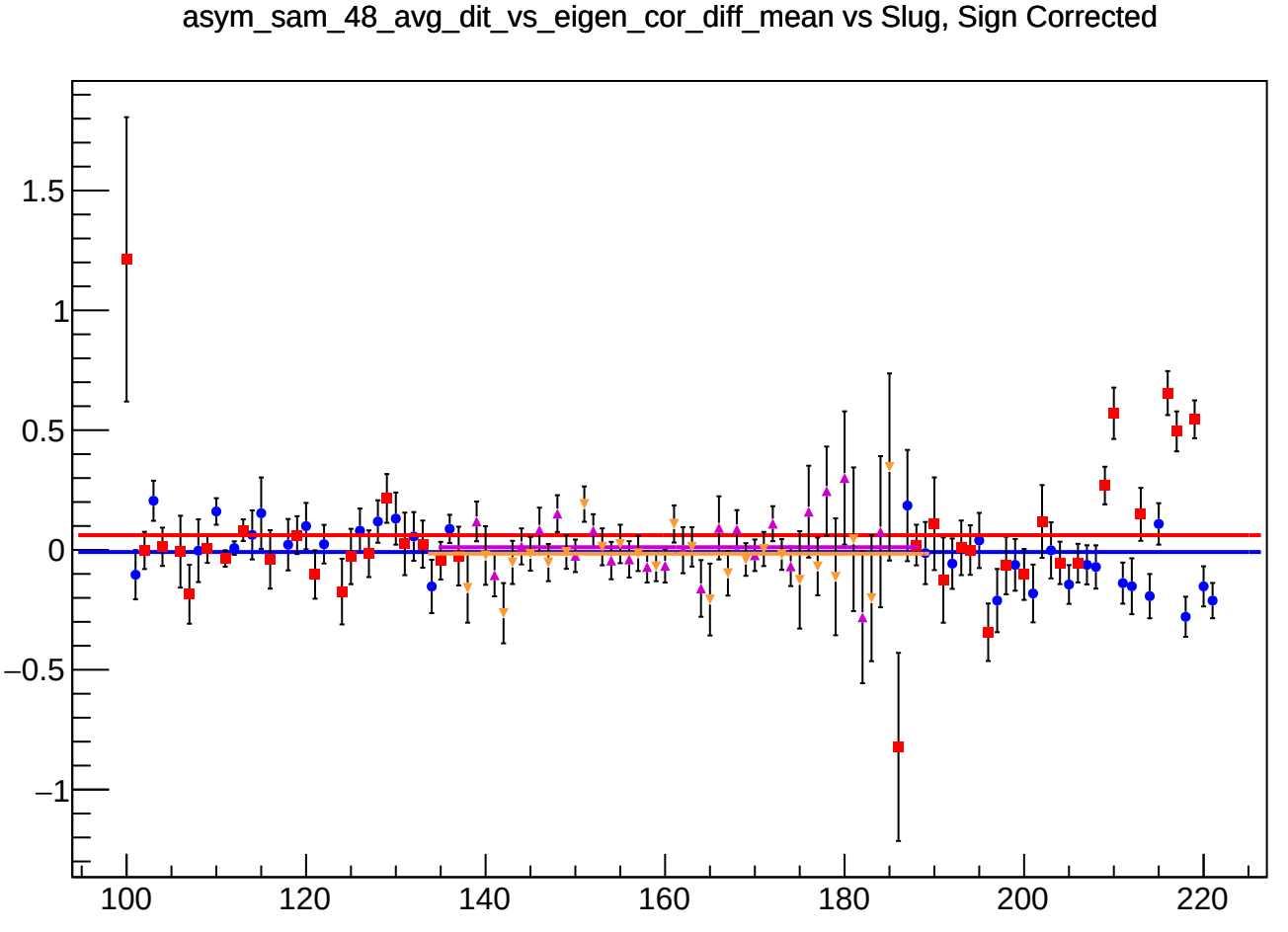
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 58.644+/-0.007 χ^2/NDF: 15698628.9/70

In: 63.313+/-0.008 χ^2/NDF:11920113.3/56

Out: 64.599+/-0.008 χ^2/NDF:11965401.5/61

All: 63.950+/-0.006 χ^2/NDF: 23898711.5/118



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: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

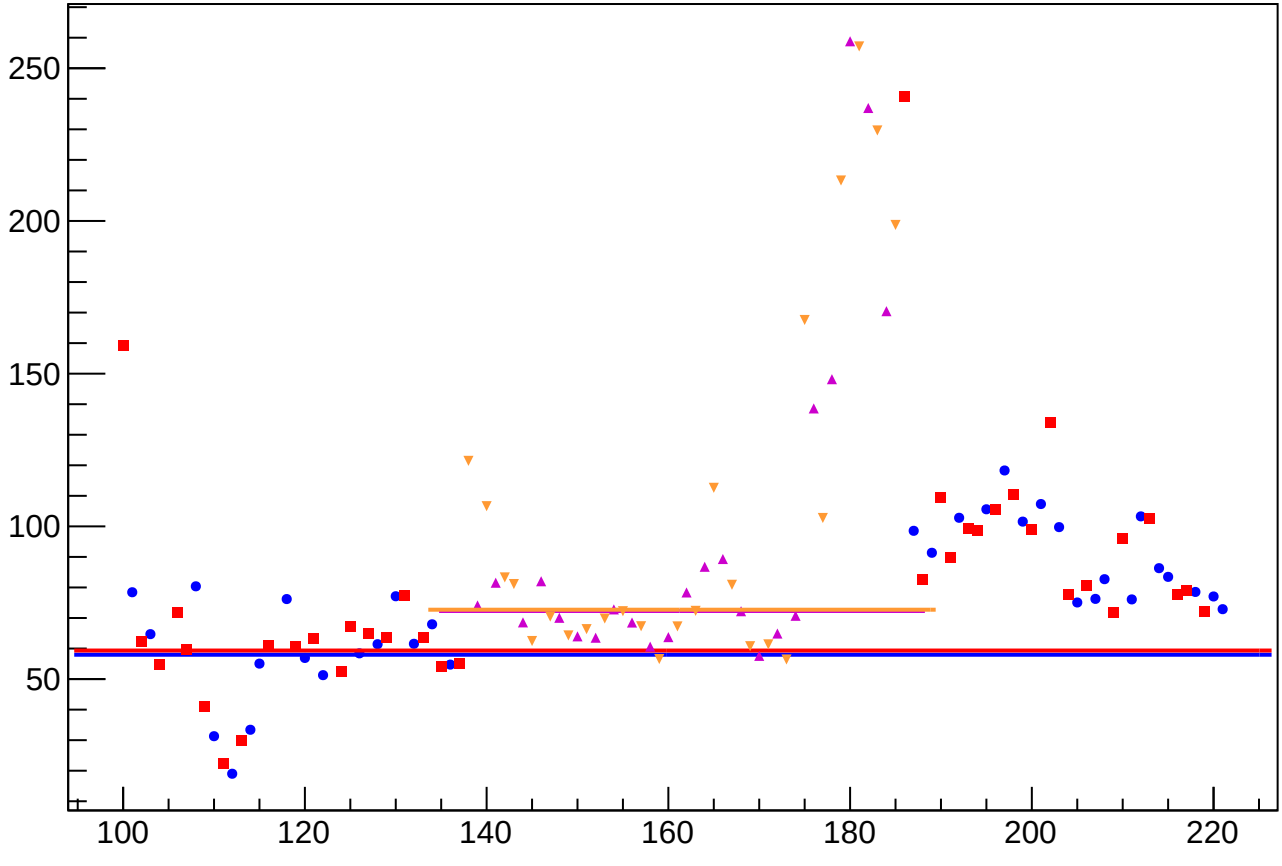
Right: 0.026+/-0.010 χ^2/NDF: 274.6/70

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.015+/-0.008 χ^2/NDF: 323.6/118

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

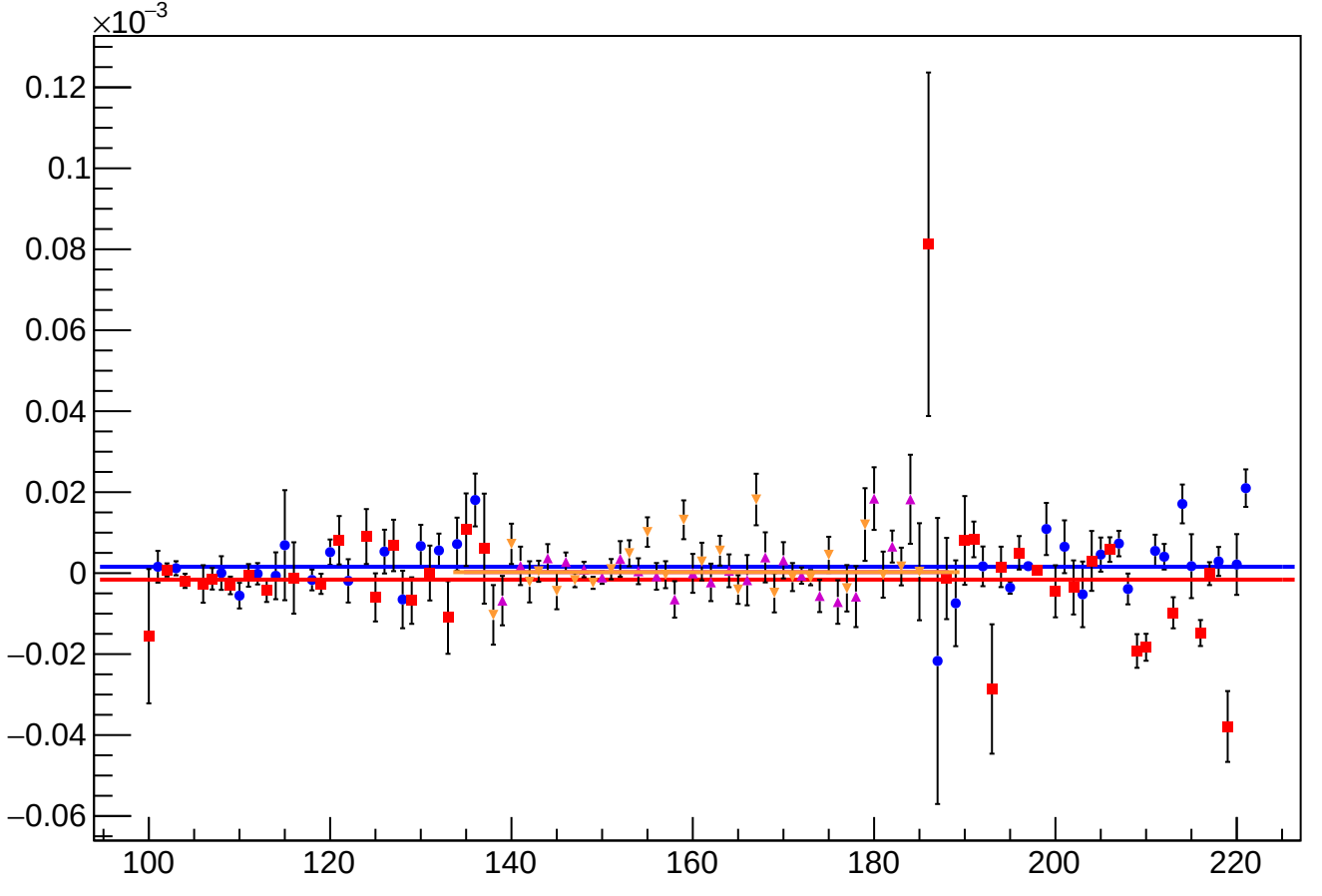
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 58.644+/-0.007 χ^2/NDF: 15698628.9/70

In: 63.313+/-0.008 χ^2/NDF:11920113.3/56

Out: 64.599+/-0.008 χ^2/NDF:11965401.5/61

All: 63.950+/-0.006 χ^2/NDF: 23898711.5/118



Right In: 0.000+/-0.000 χ^2/NDF: 72.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 125.4/36

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

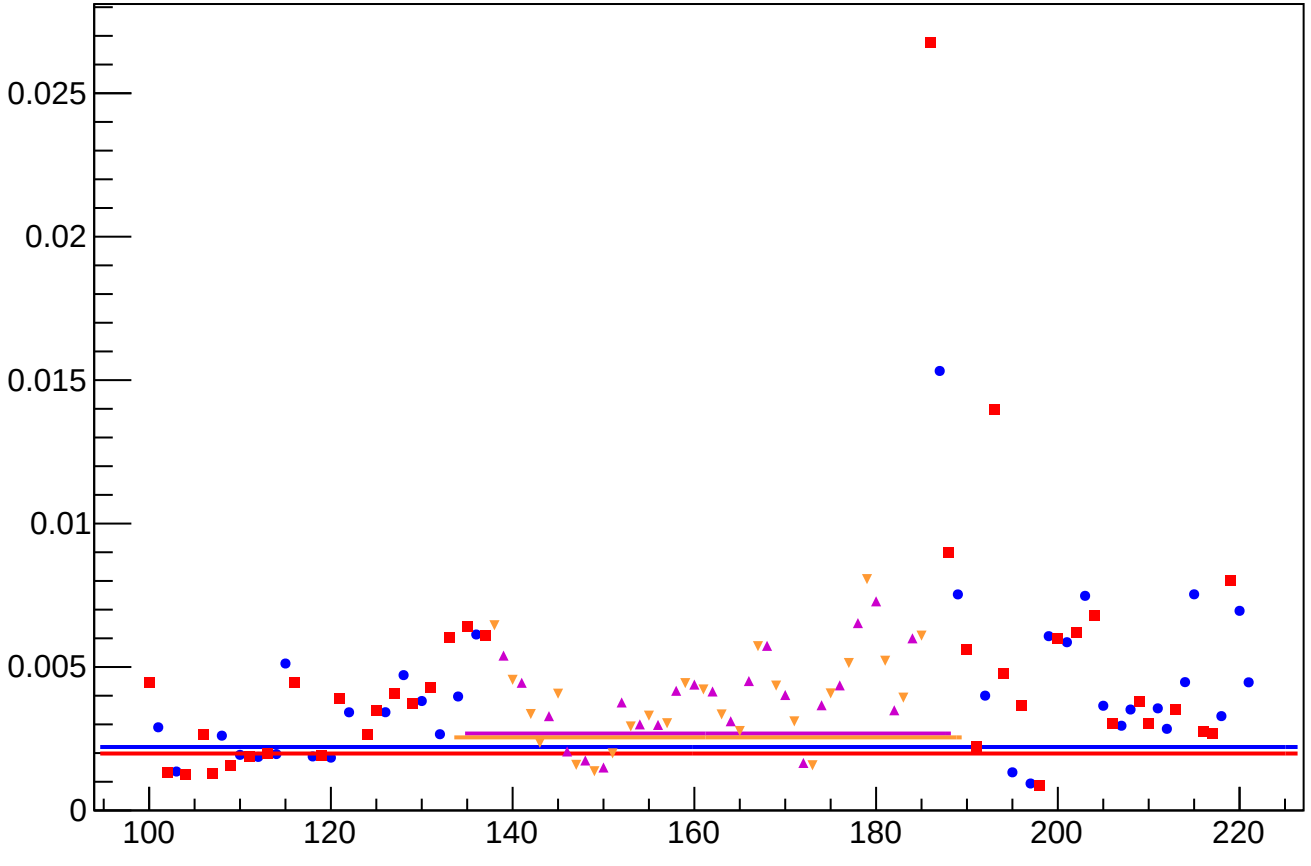
Right: -0.000+/-0.000 χ^2/NDF: 213.6/70

In: 0.000+/-0.000 χ^2/NDF:98.1/56

Out: -0.000+/-0.000 χ^2/NDF:173.5/61

All: 0.000+/-0.000 χ^2/NDF: 281.5/118

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: 14339868.5/36

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

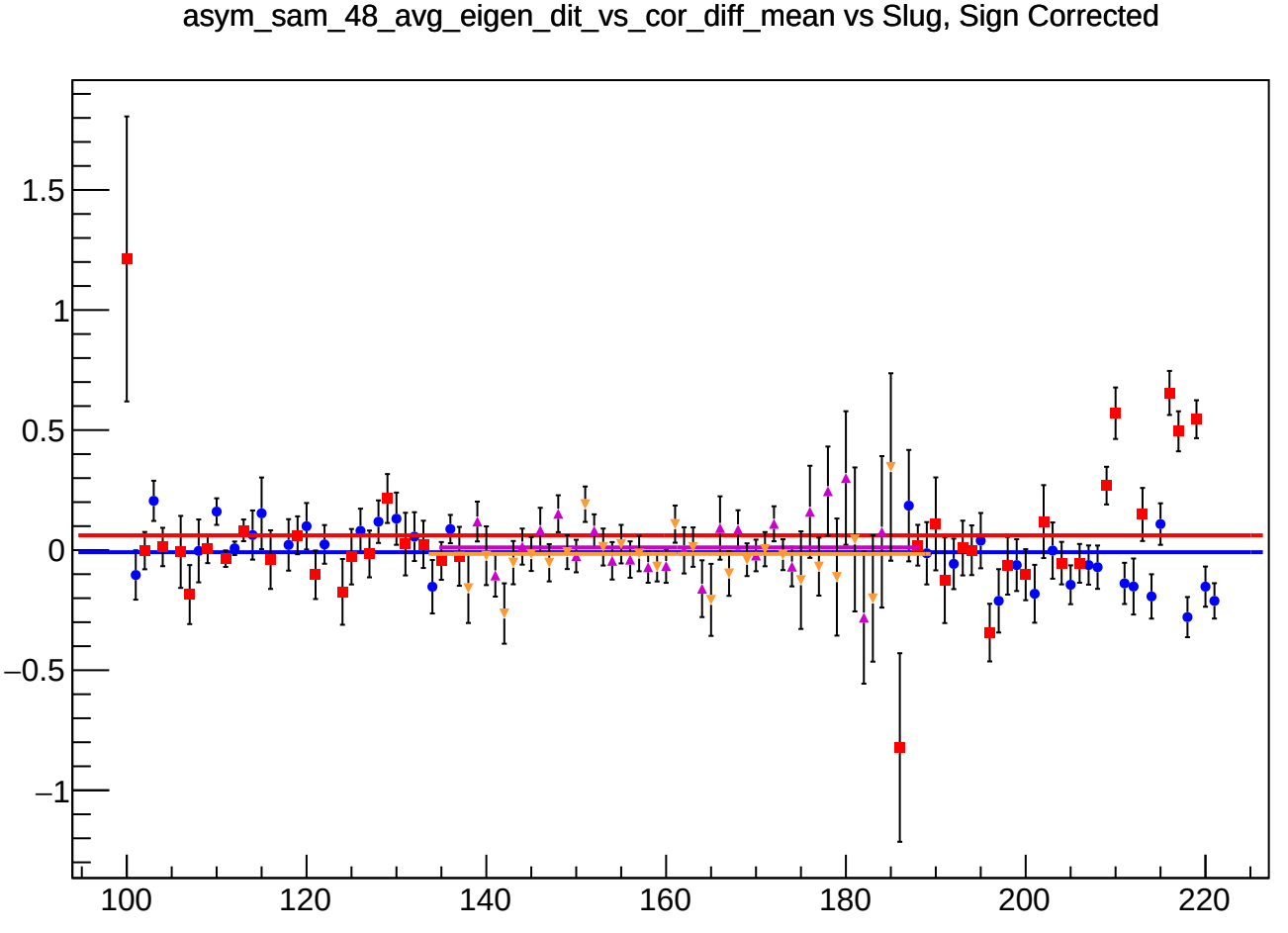
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 26546157.2/70

In: 0.002+/-0.000 χ^2/NDF:19075140.8/56

Out: 0.002+/-0.000 χ^2/NDF:22725516.1/61

All: 0.002+/-0.000 χ^2/NDF: 41992116.4/118



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: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

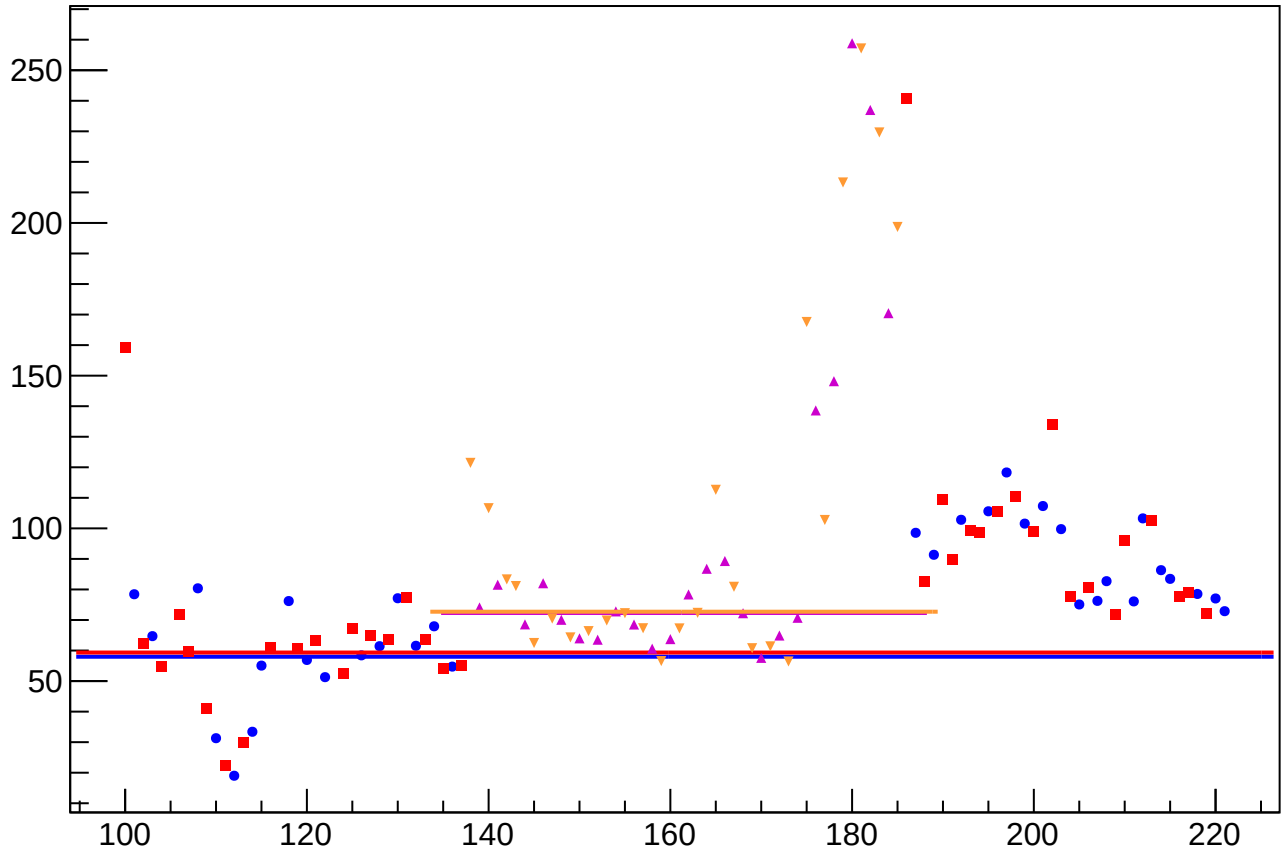
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.010 χ^2/NDF: 274.6/70

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.015+/-0.008 χ^2/NDF: 323.5/118



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: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

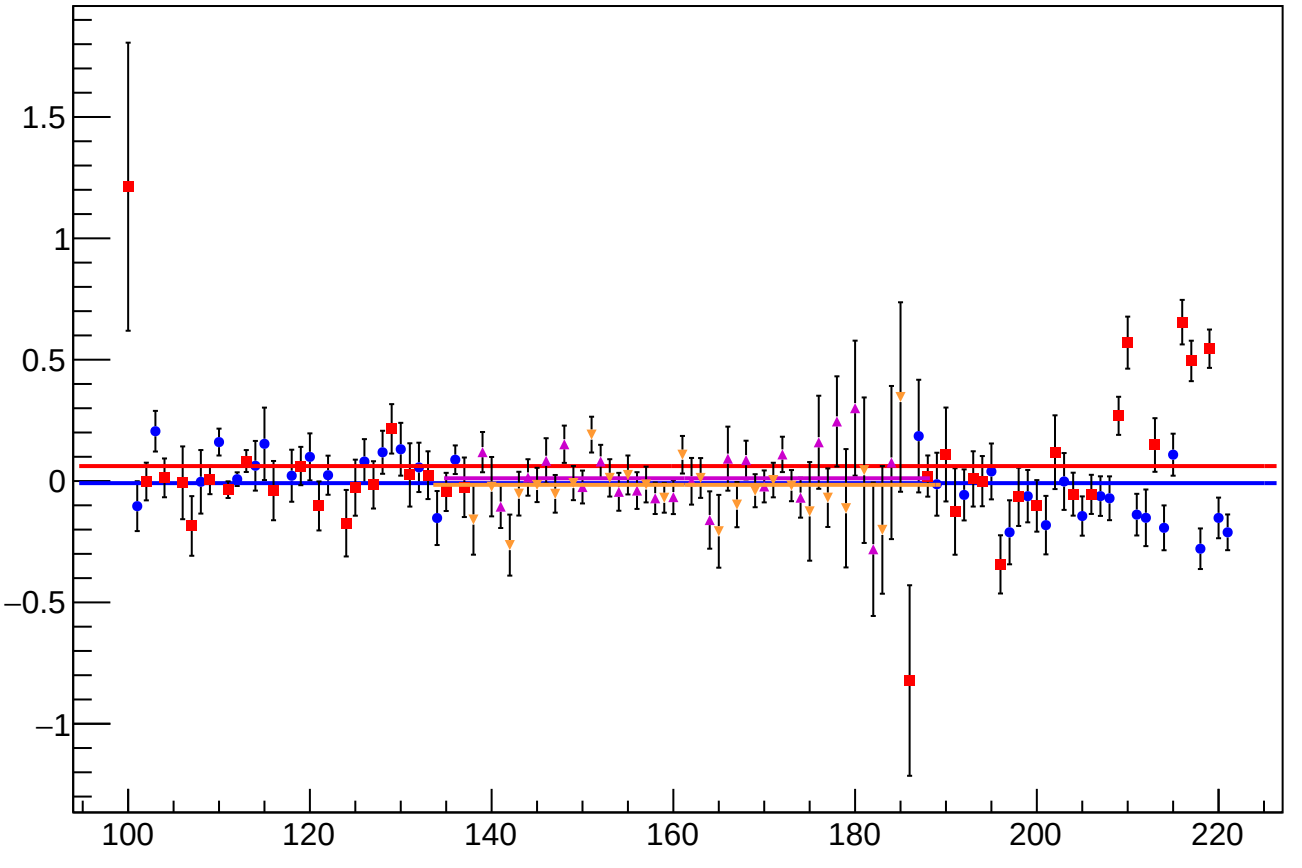
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 58.643+/-0.007 χ^2/NDF: 15699245.0/70

In: 63.312+/-0.008 χ^2/NDF:11920495.7/56

Out: 64.599+/-0.008 χ^2/NDF:11965832.9/61

All: 63.949+/-0.006 χ^2/NDF: 23899528.0/118



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: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

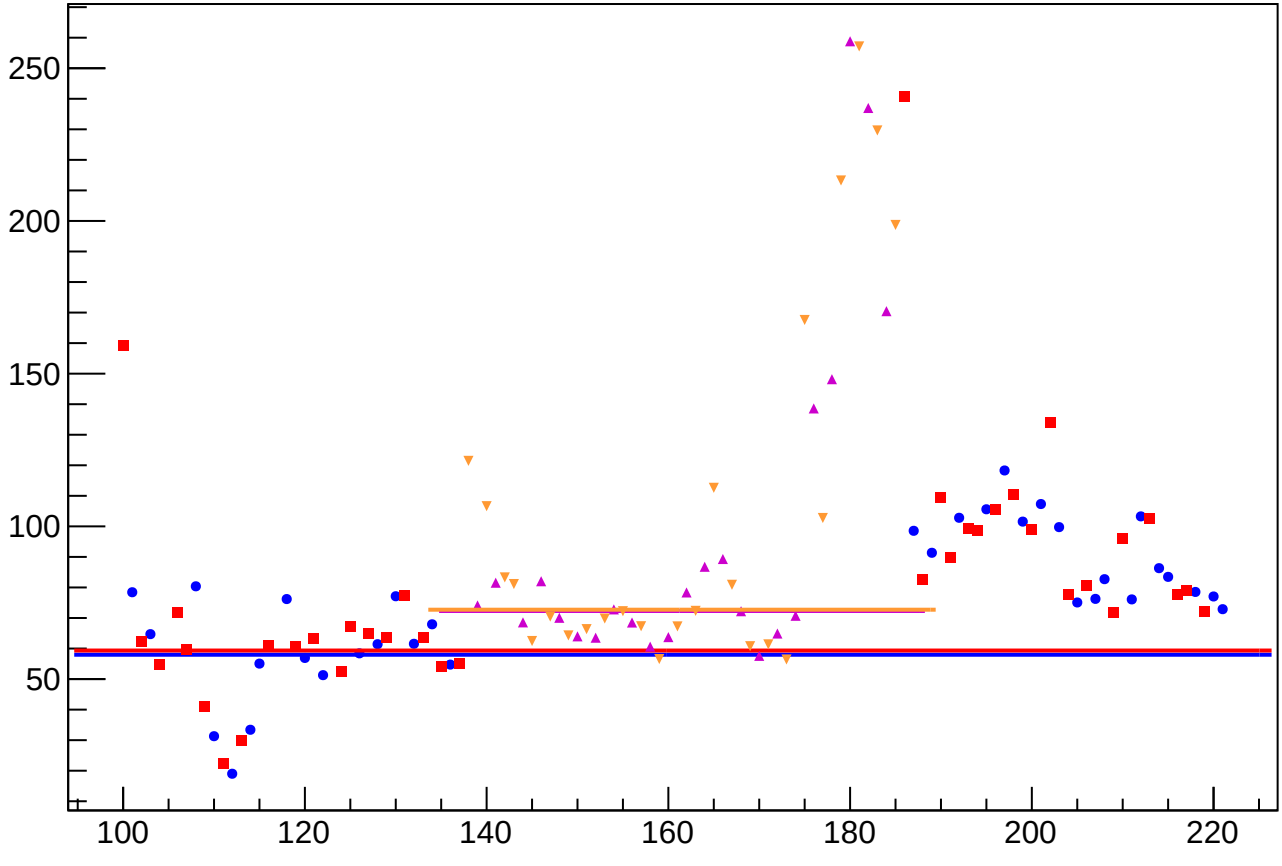
Right: 0.026+/-0.010 χ^2/NDF: 274.6/70

In: -0.001+/-0.011 χ^2/NDF:93.7/56

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.015+/-0.008 χ^2/NDF: 323.5/118

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: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

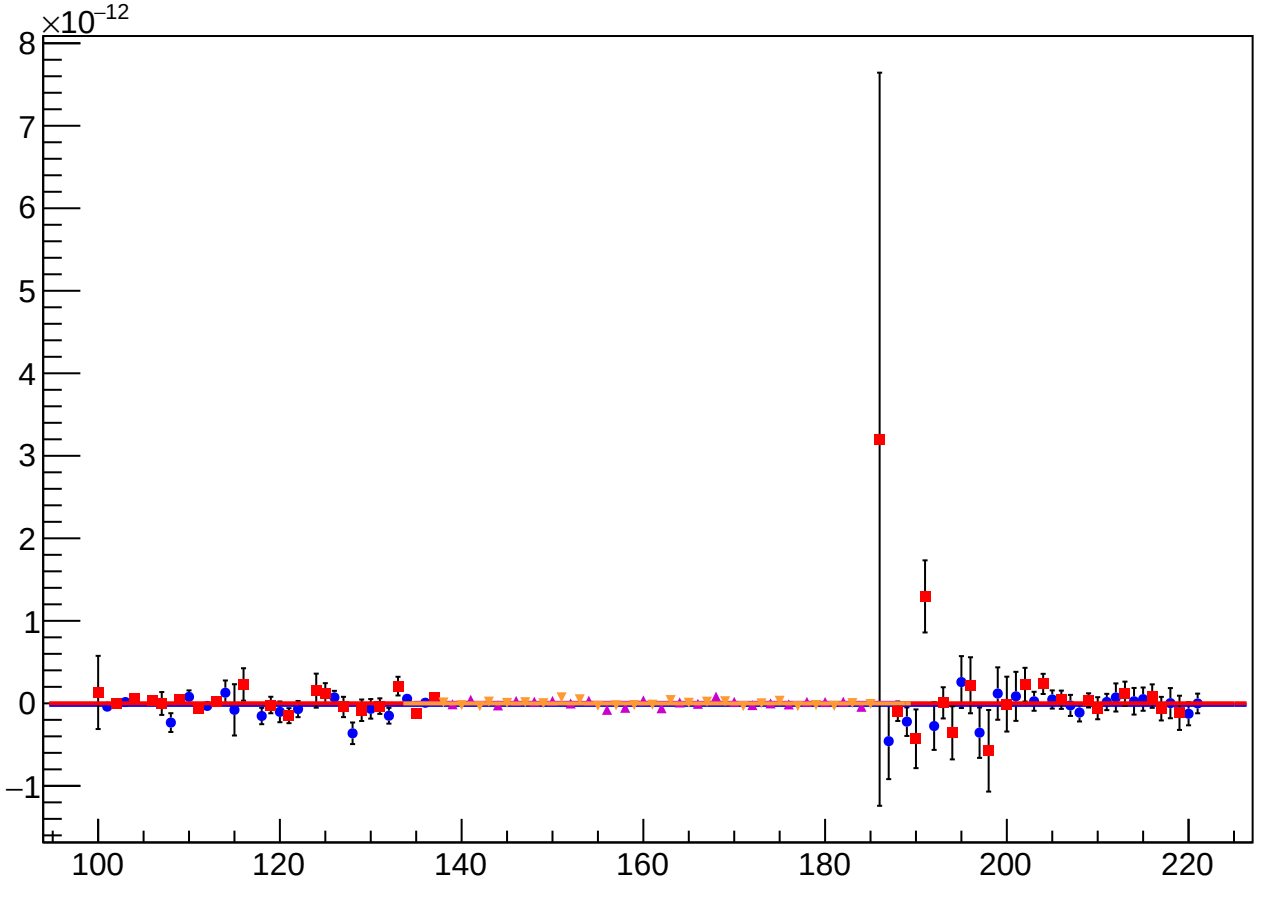
Right: 58.643+/-0.007 χ^2/NDF: 15699245.0/70

In: 63.312+/-0.008 χ^2/NDF:11920495.7/56

Out: 64.599+/-0.008 χ^2/NDF:11965832.9/61

All: 63.949+/-0.006 χ^2/NDF: 23899528.0/118

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: 44.8/36

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

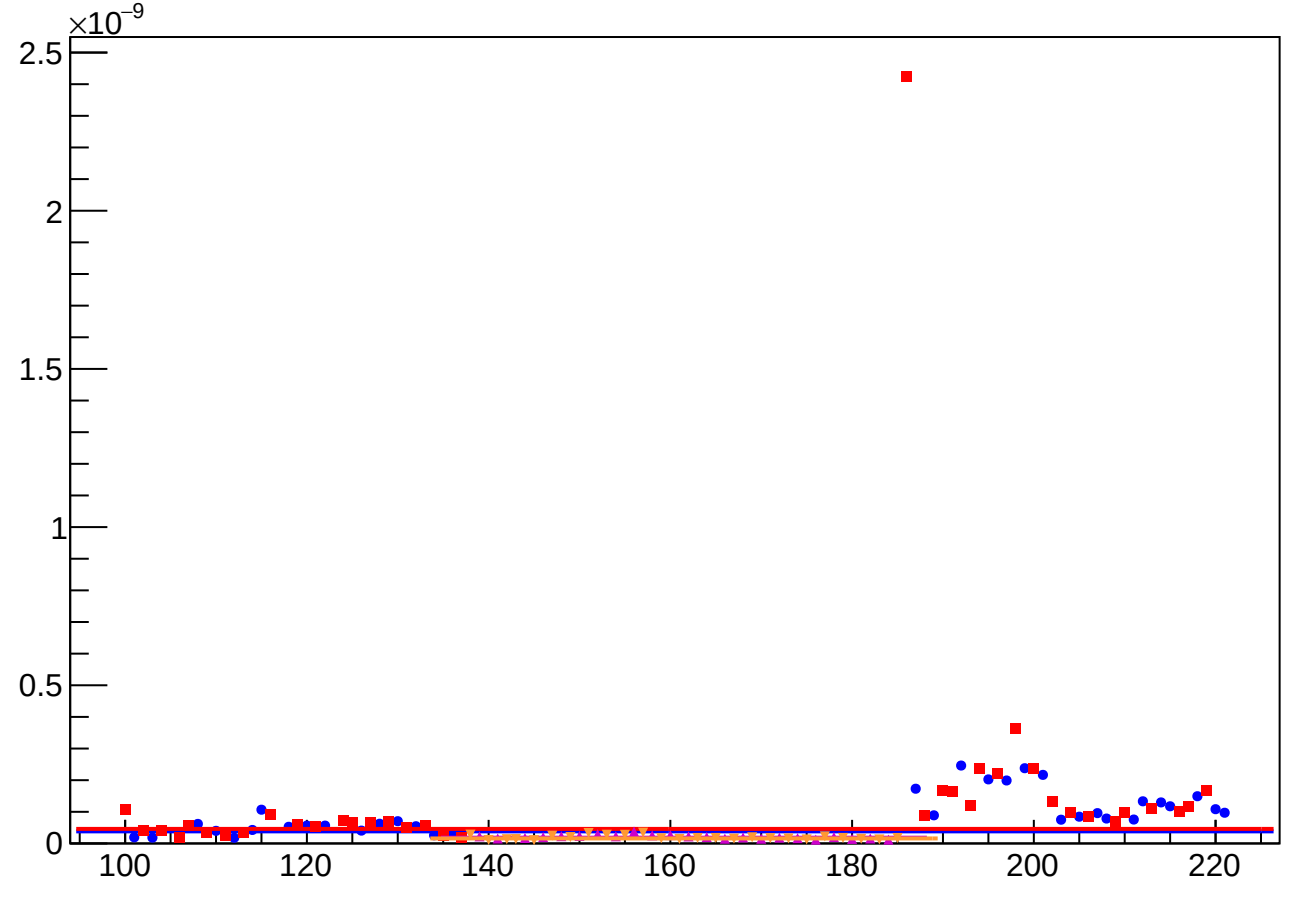
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 76.7/70

In: 0.000+/-0.000 χ^2/NDF:72.2/56

Out: -0.000+/-0.000 χ^2/NDF:72.7/61

All: 0.000+/-0.000 χ^2/NDF: 145.3/118



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: 10103801.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

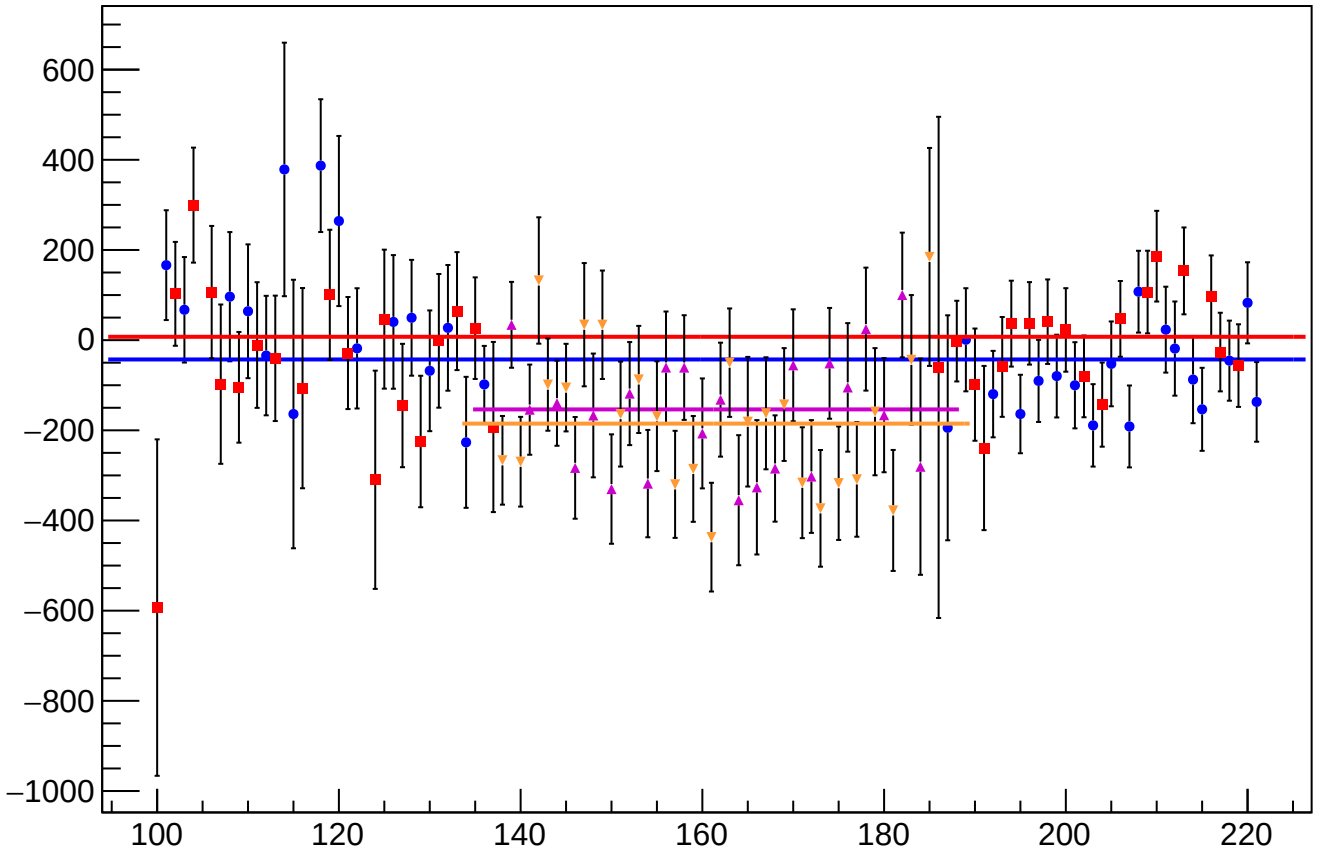
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 22452952.6/70

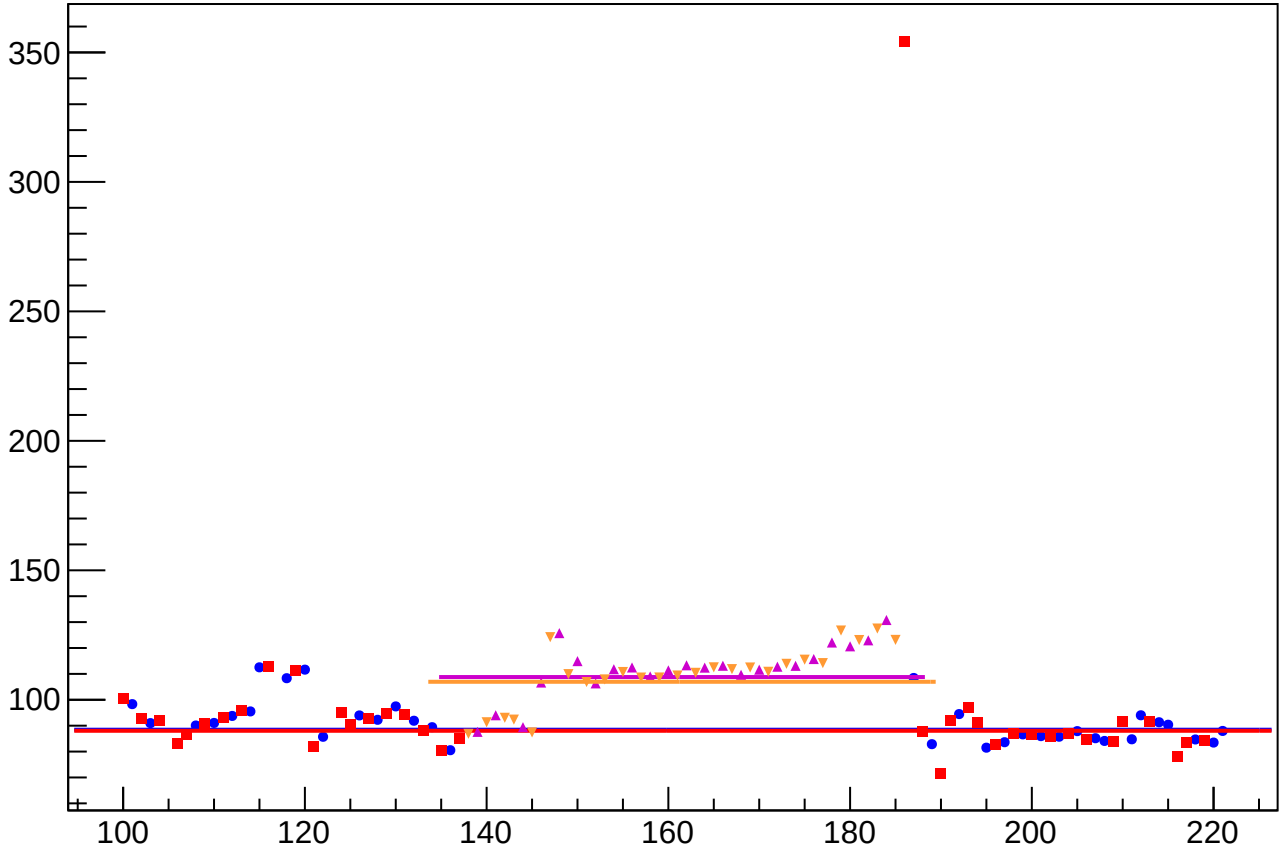
In: 0.000+/-0.000 χ^2/NDF:17576989.7/56

Out: 0.000+/-0.000 χ^2/NDF:19551722.3/61

All: 0.000+/-0.000 χ^2/NDF: 37410144.7/118


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: -42.825+/-18.877 χ²/NDF: 39.2/33
Left Out: -185.146+/-24.452 χ²/NDF:33.1/24
Right Out: 7.447+/-19.117 χ²/NDF: 33.3/36
Left In: -153.627+/-25.538 χ²/NDF:23.5/22
Left: -170.071+/-17.662 χ²/NDF: 57.4/47
Right: -18.007+/-13.432 χ²/NDF: 76.0/70
In: -81.973+/-15.180 χ²/NDF:74.9/56
Out: -65.614+/-15.061 χ²/NDF:104.8/61
All: -73.729+/-10.691 χ²/NDF: 180.3/118

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: 88.032+/-0.014 χ^2/NDF: 690796.6/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

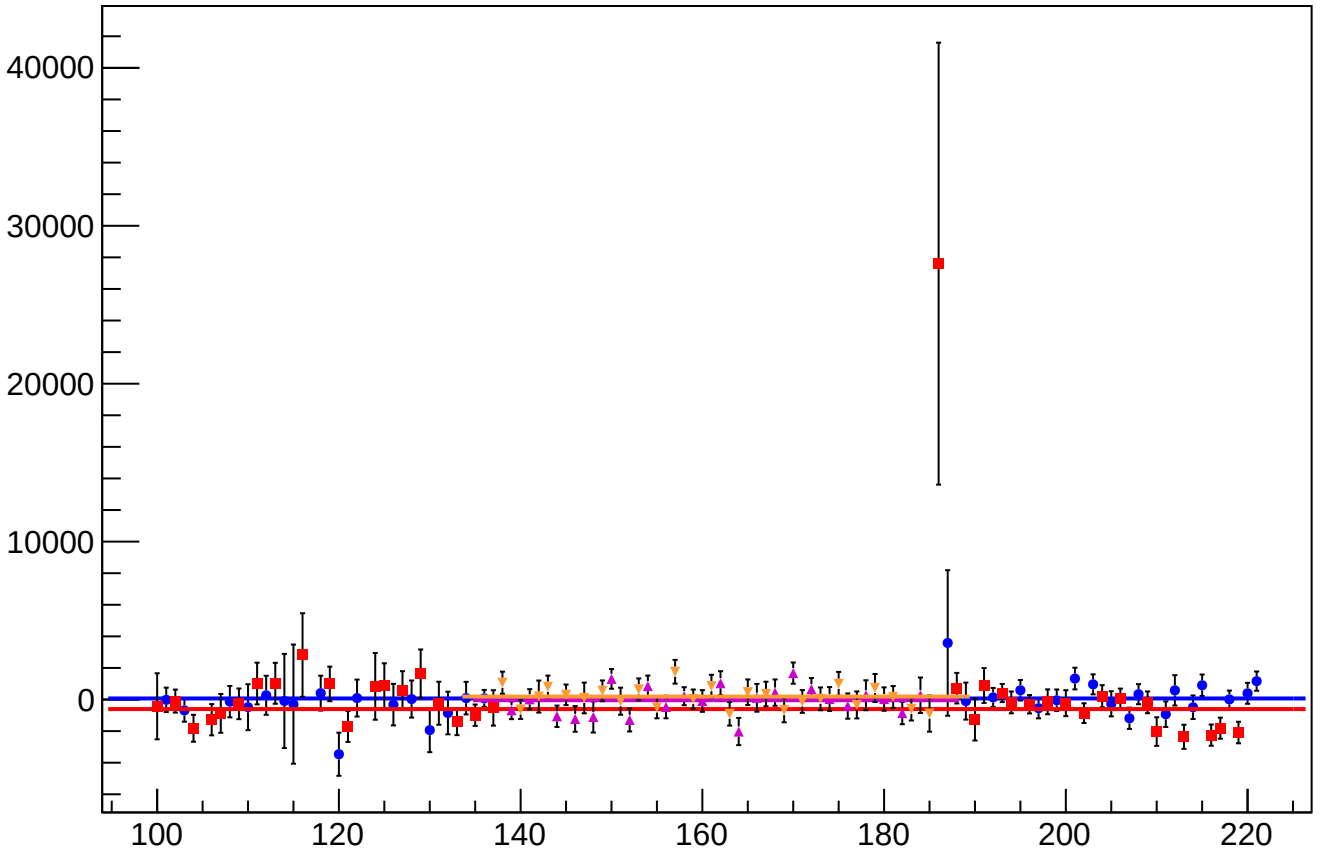
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.240+/-0.009 χ^2/NDF: 899559.5/70

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 95.210+/-0.011 χ^2/NDF:1898373.7/61

All: 95.418+/-0.008 χ^2/NDF: 3286130.1/118



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: -604.065+/-143.734 χ^2/NDF: 54.3/36

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

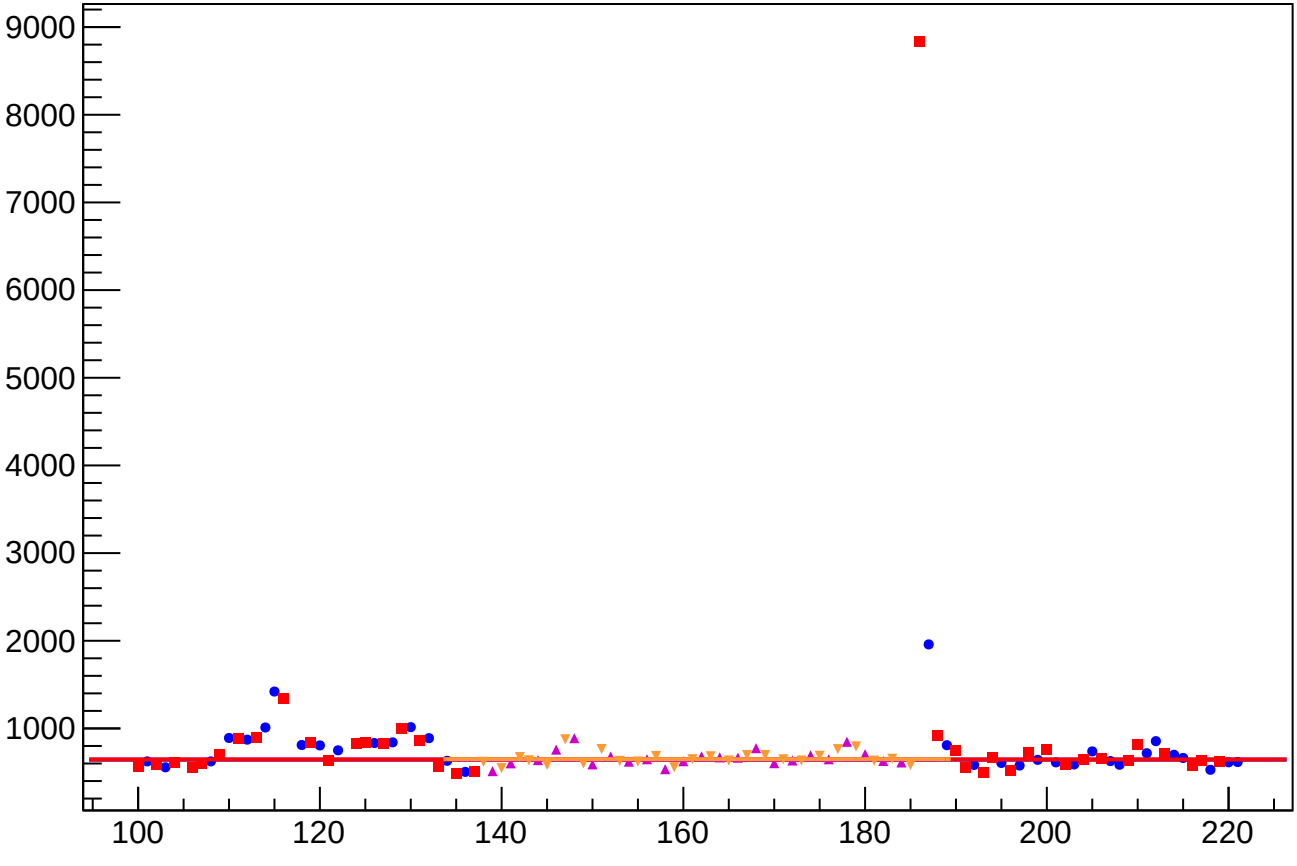
Right: -260.123+/-100.358 χ^2/NDF: 95.0/70

In: 16.377+/-103.069 χ^2/NDF:63.5/56

Out: -222.542+/-103.386 χ^2/NDF:88.0/61

All: -102.716+/-72.993 χ^2/NDF: 154.1/118

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: 645.766+/-0.102 χ^2/NDF: 2082612.6/36

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

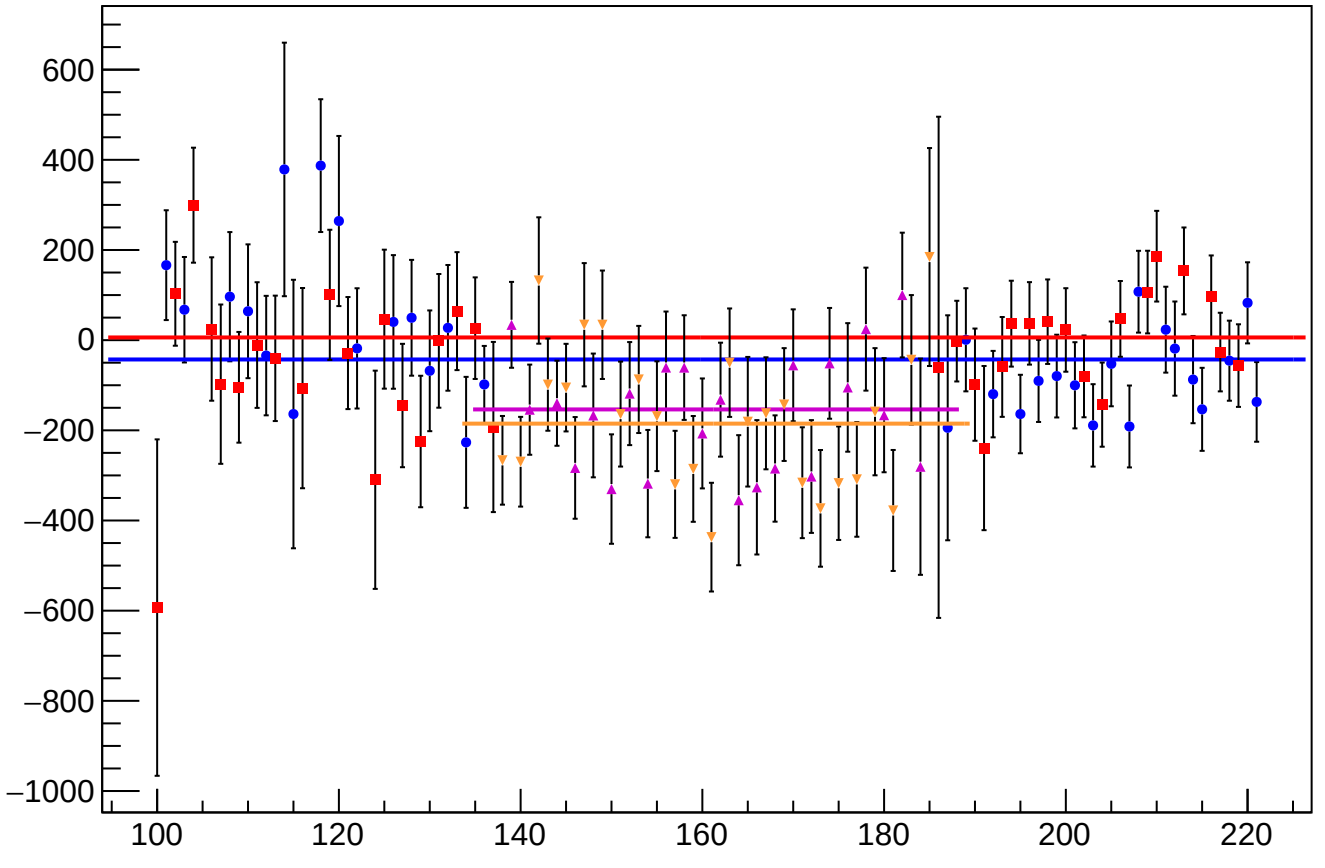
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 645.063+/-0.071 χ^2/NDF: 3421056.2/70

In: 644.246+/-0.073 χ^2/NDF:1897474.7/56

Out: 647.418+/-0.073 χ^2/NDF:2501524.6/61

All: 645.827+/-0.052 χ^2/NDF: 4399943.8/118



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: 6.012+/-19.141 χ^2/NDF: 32.8/36

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

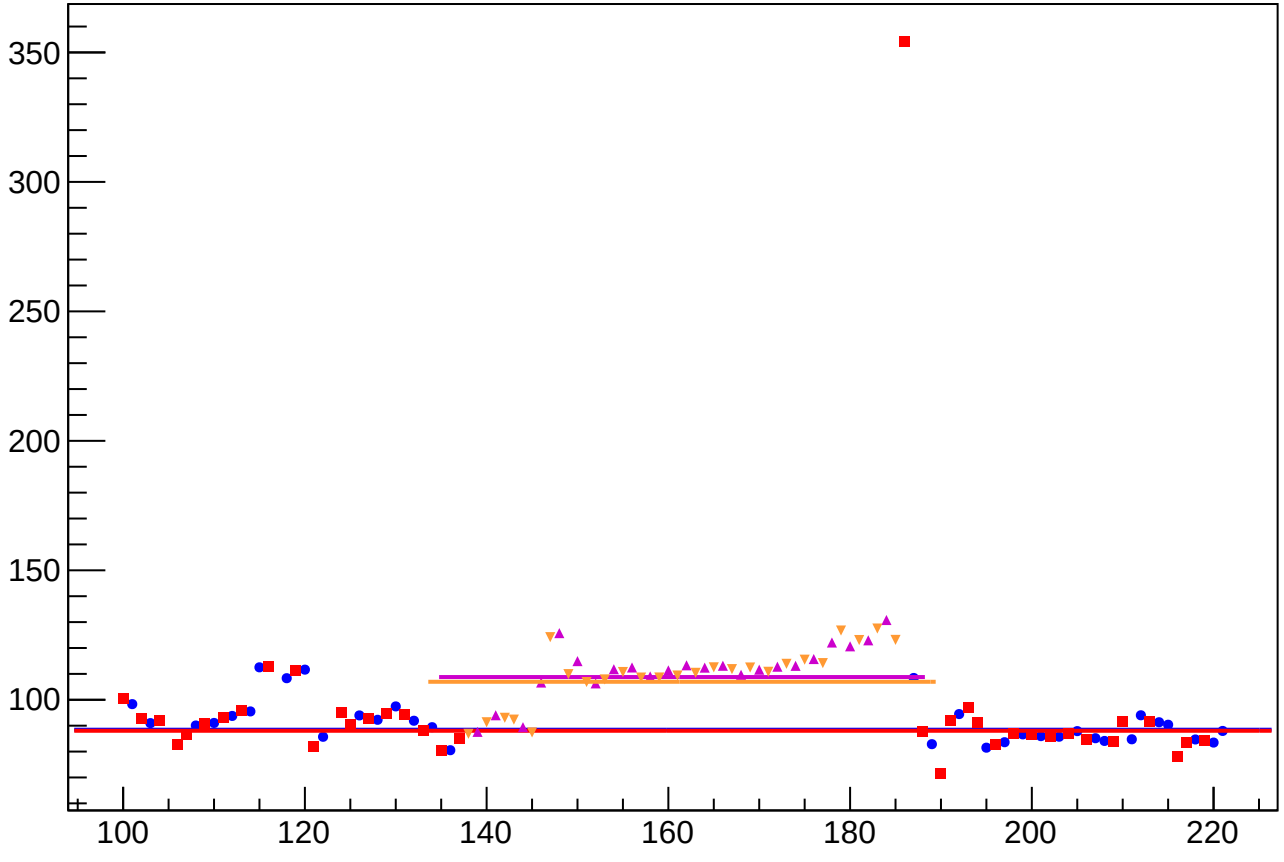
Right: -18.747+/-13.440 χ^2/NDF: 75.4/70

In: -81.975+/-15.180 χ^2/NDF:74.9/56

Out: -66.618+/-15.072 χ^2/NDF:103.8/61

All: -74.242+/-10.696 χ^2/NDF: 179.2/118

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: 88.036+/-0.014 χ^2/NDF: 690919.2/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

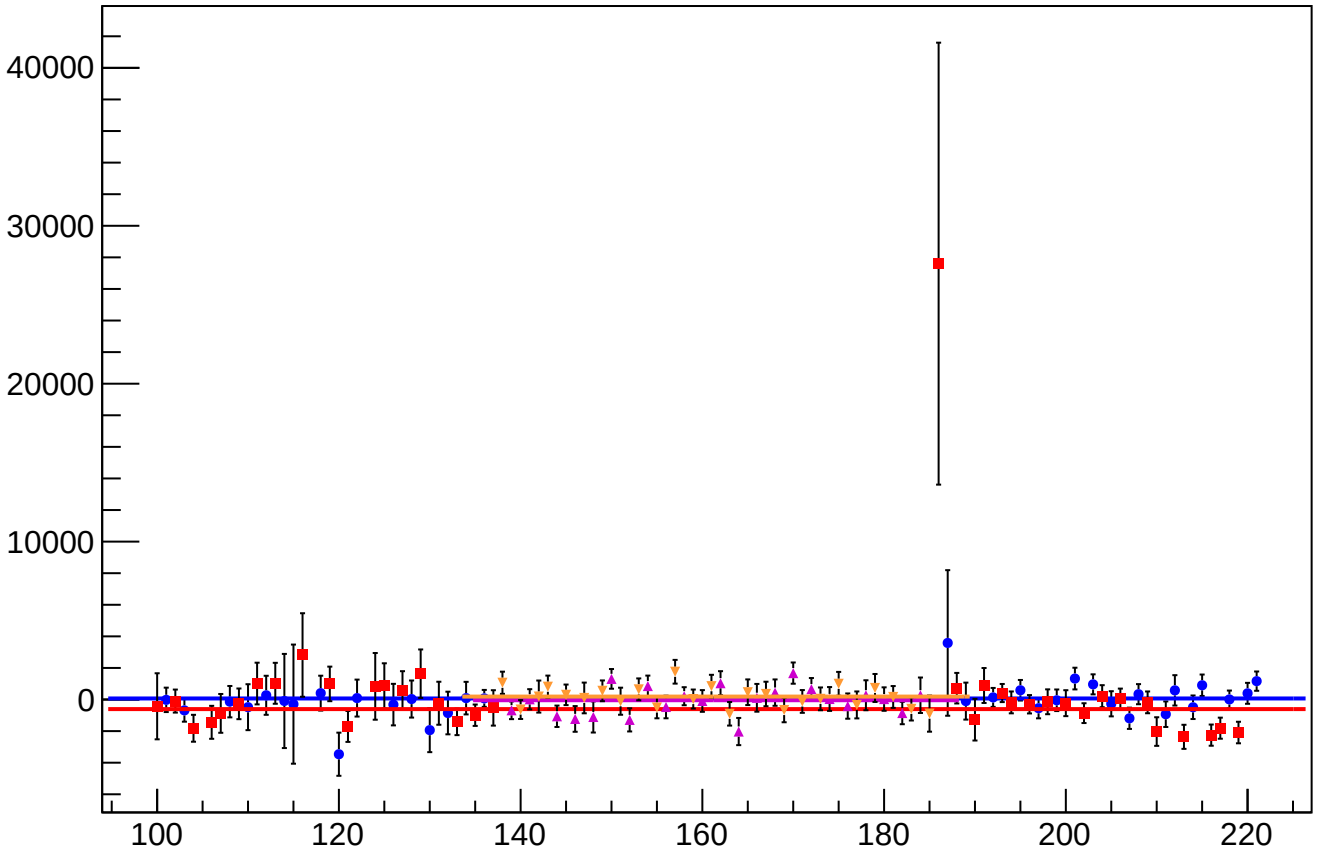
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.242+/-0.010 χ^2/NDF: 899671.8/70

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 95.224+/-0.011 χ^2/NDF:1897452.7/61

All: 95.425+/-0.008 χ^2/NDF: 3285158.8/118



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: -605.642+/-143.893 χ^2/NDF: 54.5/36

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

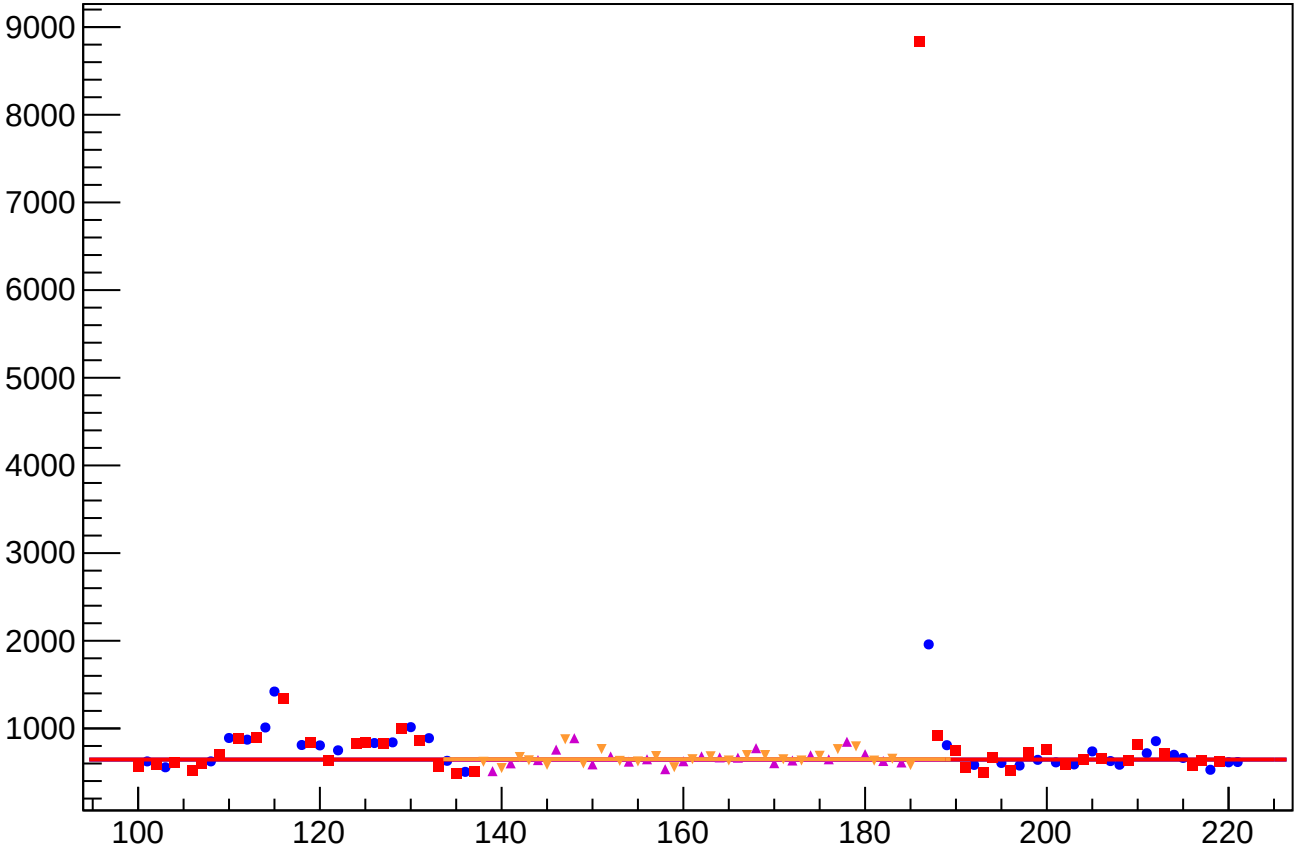
Right: -260.522+/-100.412 χ^2/NDF: 95.2/70

In: 16.374+/-103.069 χ^2/NDF:63.5/56

Out: -222.924+/-103.445 χ^2/NDF:88.2/61

All: -102.839+/-73.014 χ^2/NDF: 154.4/118

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: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

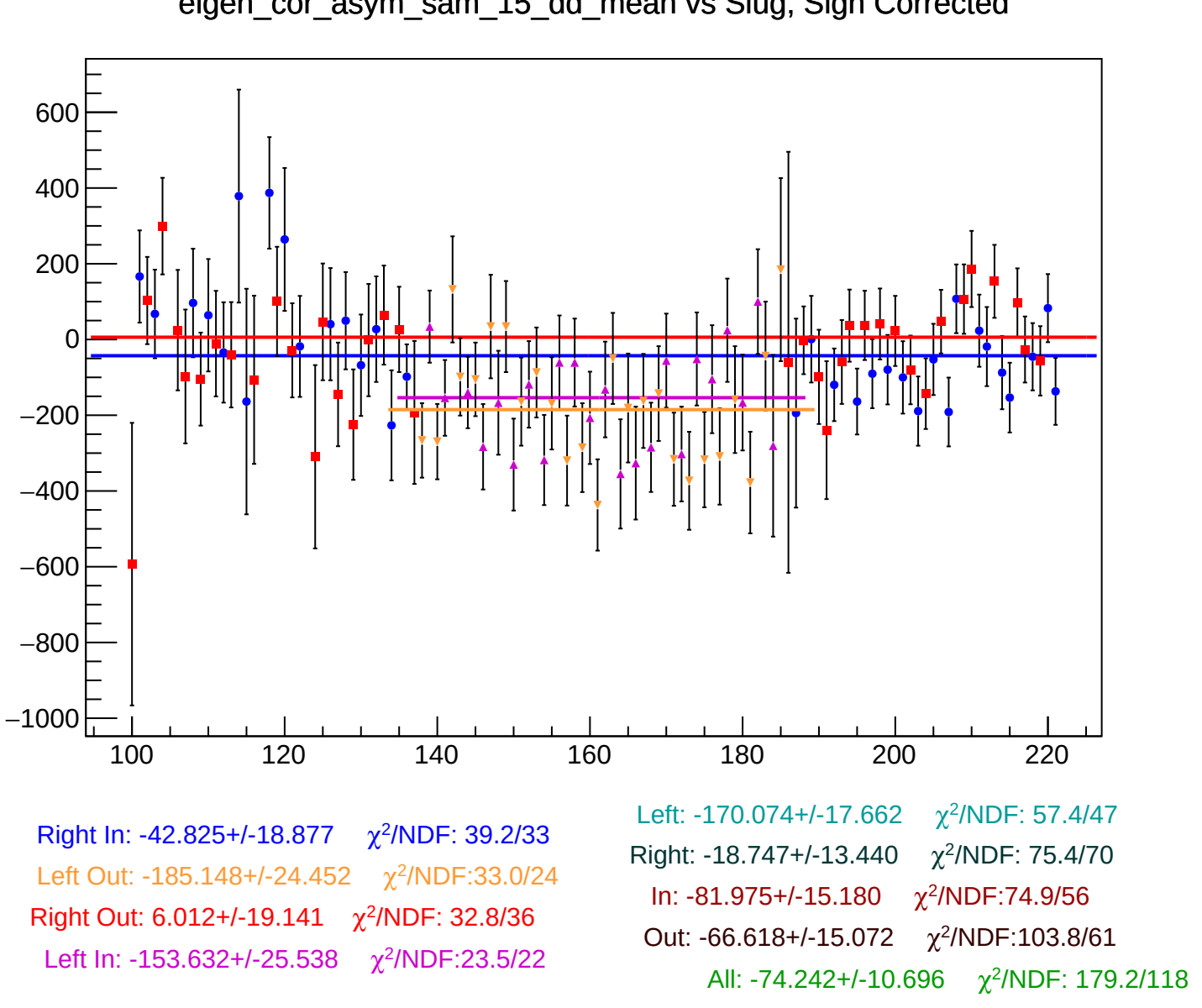
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 644.906+/-0.071 χ^2/NDF: 3430263.1/70

In: 644.246+/-0.073 χ^2/NDF:1897474.8/56

Out: 647.255+/-0.073 χ^2/NDF:2510878.0/61

All: 645.745+/-0.052 χ^2/NDF: 4409202.2/118


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
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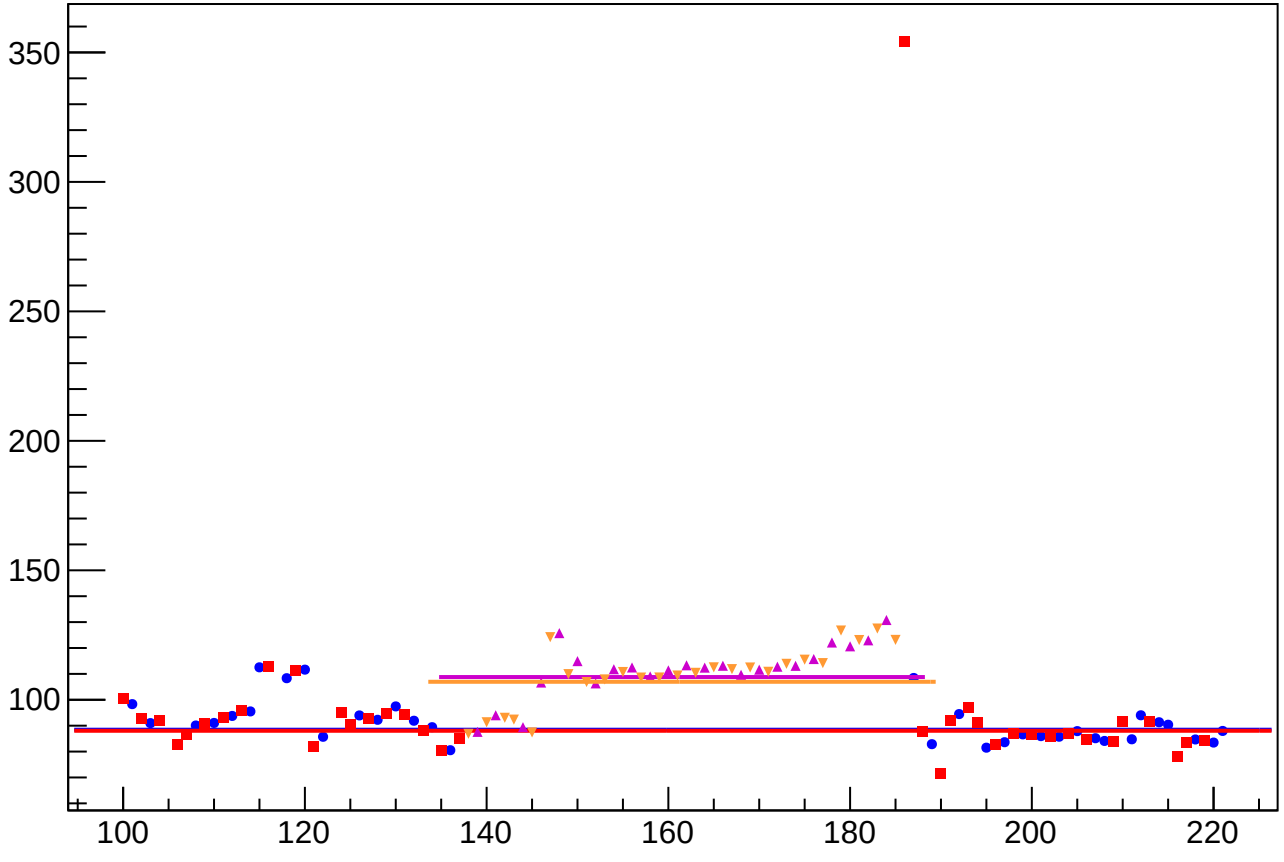
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: -42.825+/-18.877 χ²/NDF: 39.2/33
Left Out: -185.148+/-24.452 χ²/NDF:33.0/24
Right Out: 6.012+/-19.141 χ²/NDF: 32.8/36
Left In: -153.632+/-25.538 χ²/NDF:23.5/22
Left: -170.074+/-17.662 χ²/NDF: 57.4/47
Right: -18.747+/-13.440 χ²/NDF: 75.4/70
In: -81.975+/-15.180 χ²/NDF:74.9/56
Out: -66.618+/-15.072 χ²/NDF:103.8/61
All: -74.242+/-10.696 χ²/NDF: 179.2/118

eigen_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: 88.036+/-0.014 χ^2/NDF: 690919.2/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

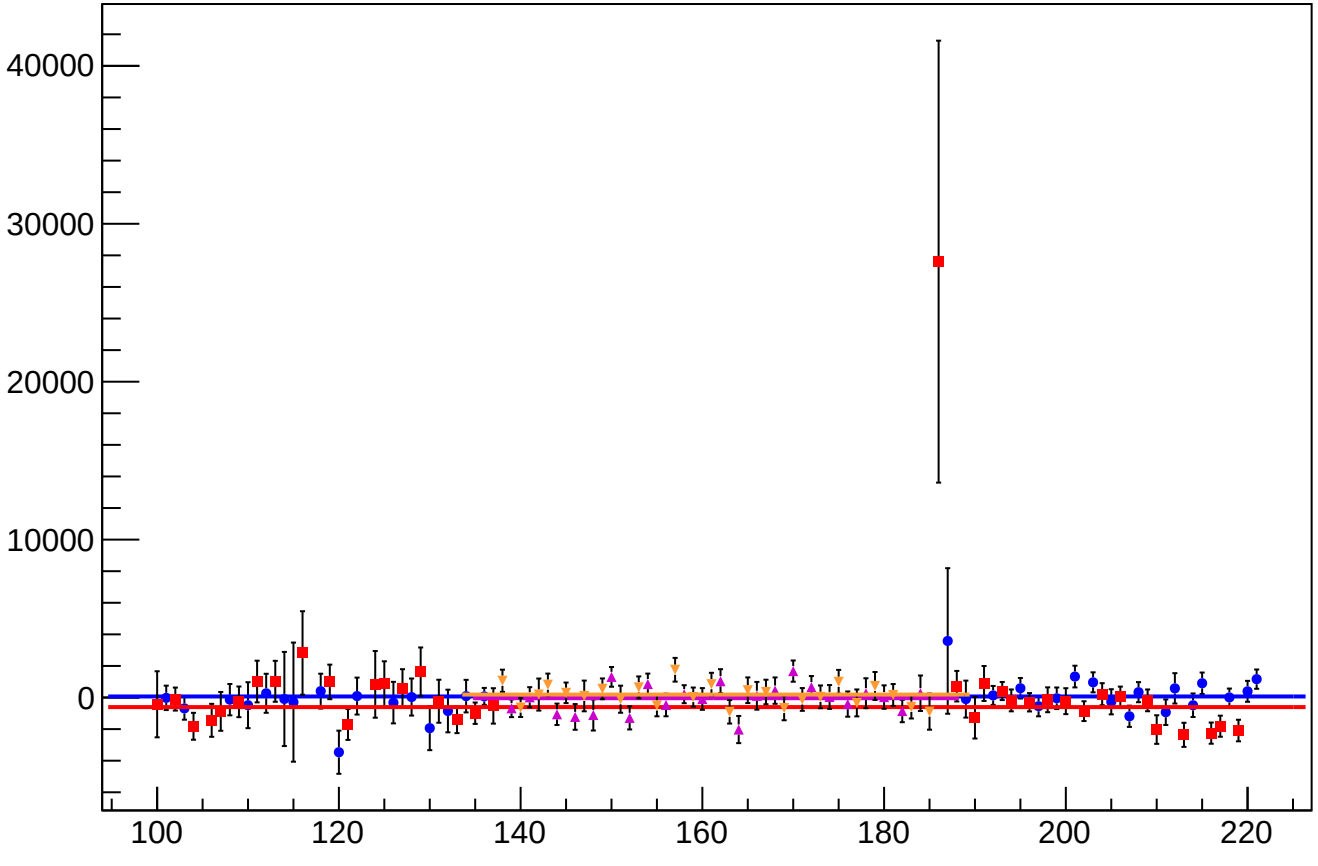
Right: 88.242+/-0.010 χ^2/NDF: 899671.8/70

In: 95.629+/-0.011 χ^2/NDF:1386990.6/56

Out: 95.224+/-0.011 χ^2/NDF:1897452.7/61

All: 95.425+/-0.008 χ^2/NDF: 3285158.8/118

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -605.642+/-143.893 χ^2/NDF: 54.5/36

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

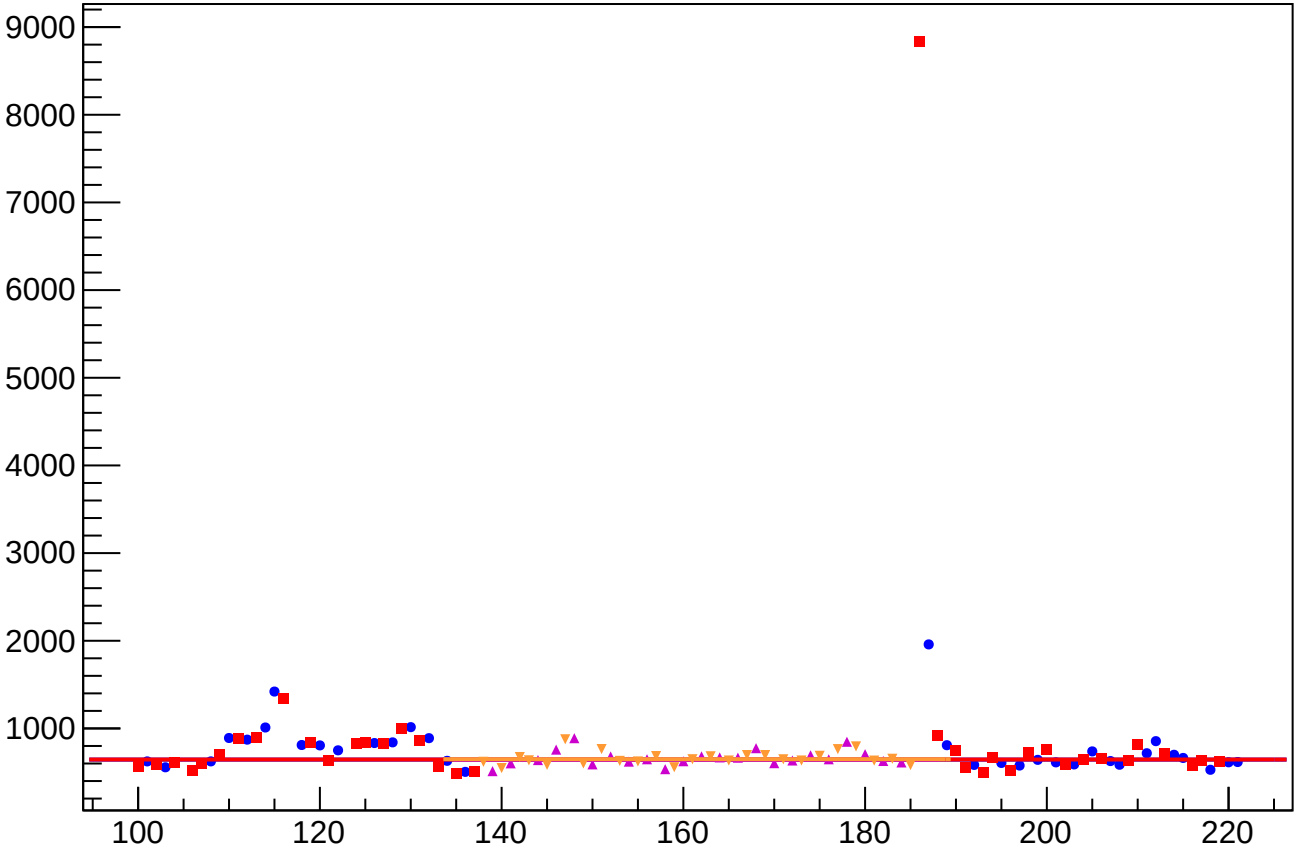
Right: -260.522+/-100.412 χ^2/NDF: 95.2/70

In: 16.374+/-103.069 χ^2/NDF:63.5/56

Out: -222.924+/-103.445 χ^2/NDF:88.2/61

All: -102.839+/-73.014 χ^2/NDF: 154.4/118

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: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

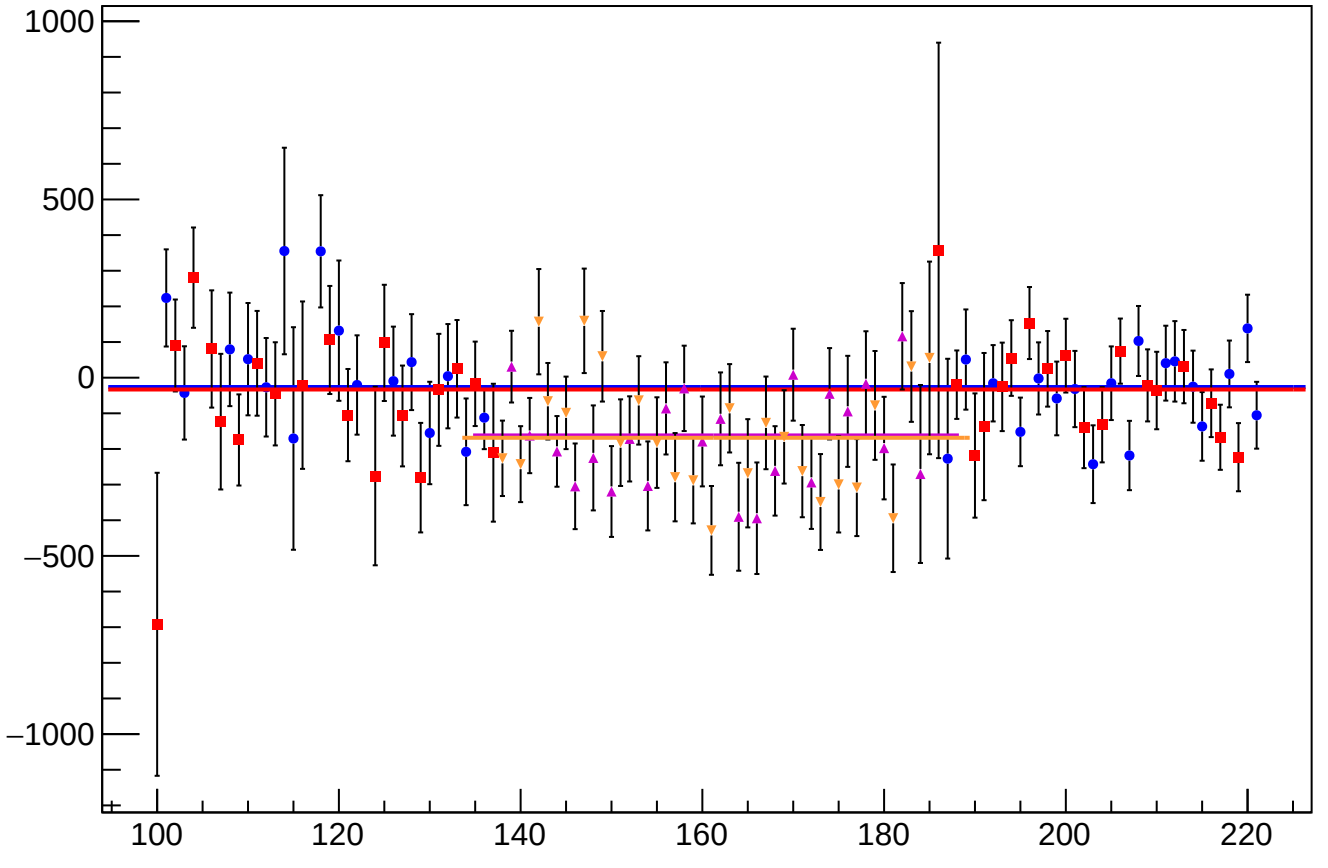
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 644.906+/-0.071 χ^2/NDF: 3430263.1/70

In: 644.246+/-0.073 χ^2/NDF:1897474.8/56

Out: 647.255+/-0.073 χ^2/NDF:2510878.0/61

All: 645.745+/-0.052 χ^2/NDF: 4409202.2/118



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: -33.175+/-20.846 χ^2/NDF: 34.0/36

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

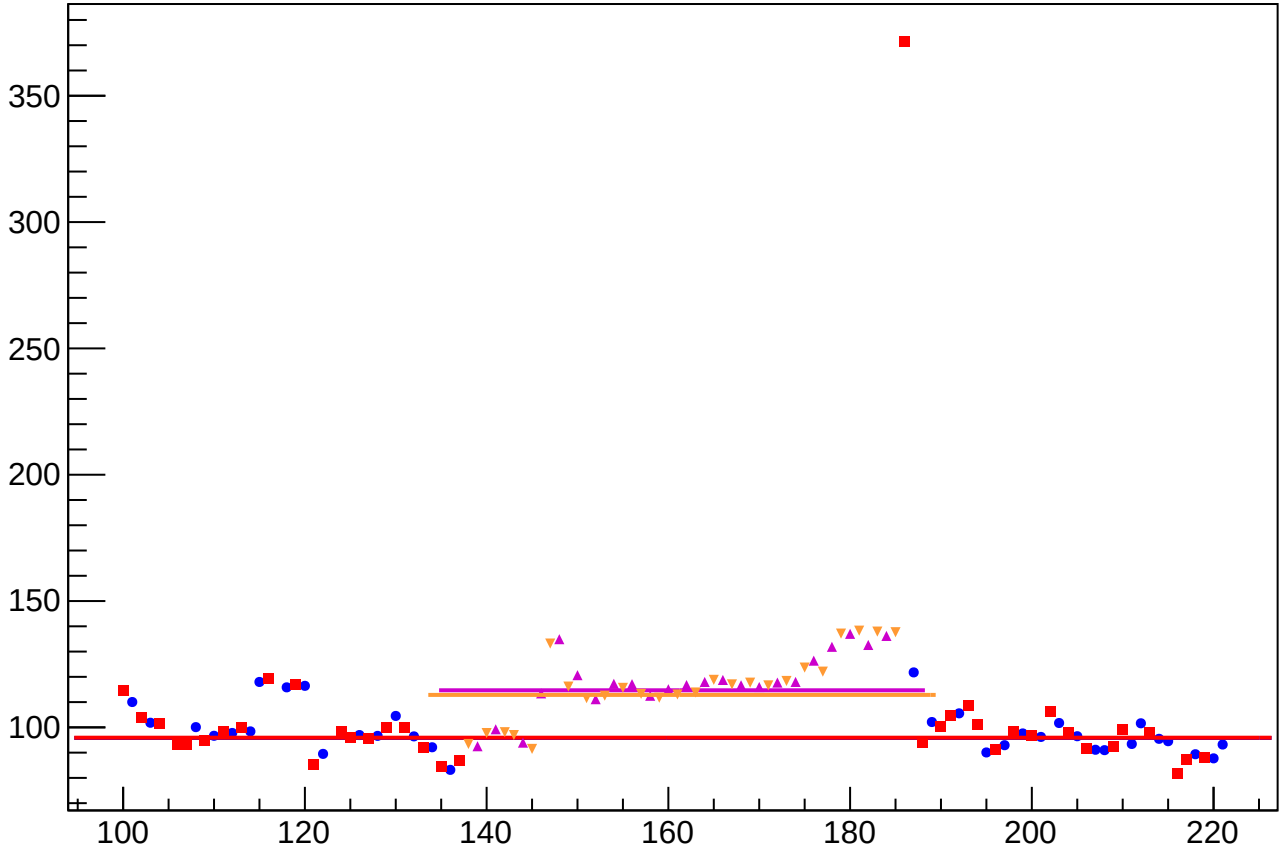
Right: -29.630+/-14.602 χ^2/NDF: 68.5/70

In: -75.877+/-16.295 χ^2/NDF:74.1/56

Out: -86.630+/-16.219 χ^2/NDF:83.1/61

All: -81.278+/-11.496 χ^2/NDF: 157.3/118

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: 95.909+/-0.015 χ^2/NDF: 703818.3/36

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

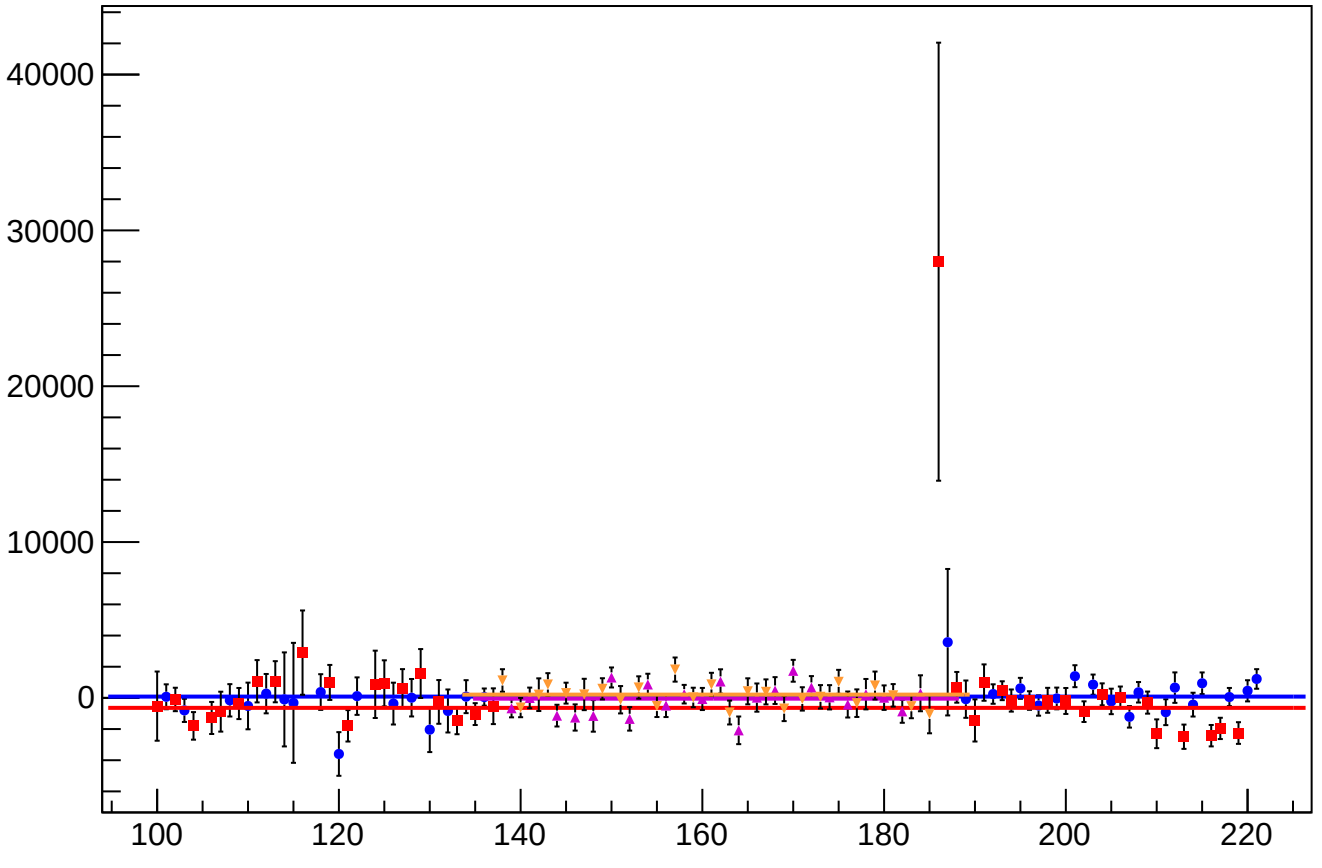
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 95.851+/-0.010 χ^2/NDF: 944945.7/70

In: 102.699+/-0.012 χ^2/NDF:1273941.7/56

Out: 102.594+/-0.011 χ^2/NDF:1737269.0/61

All: 102.647+/-0.008 χ^2/NDF: 3011252.3/118



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: -640.043+/-147.985 χ^2/NDF: 57.9/36

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

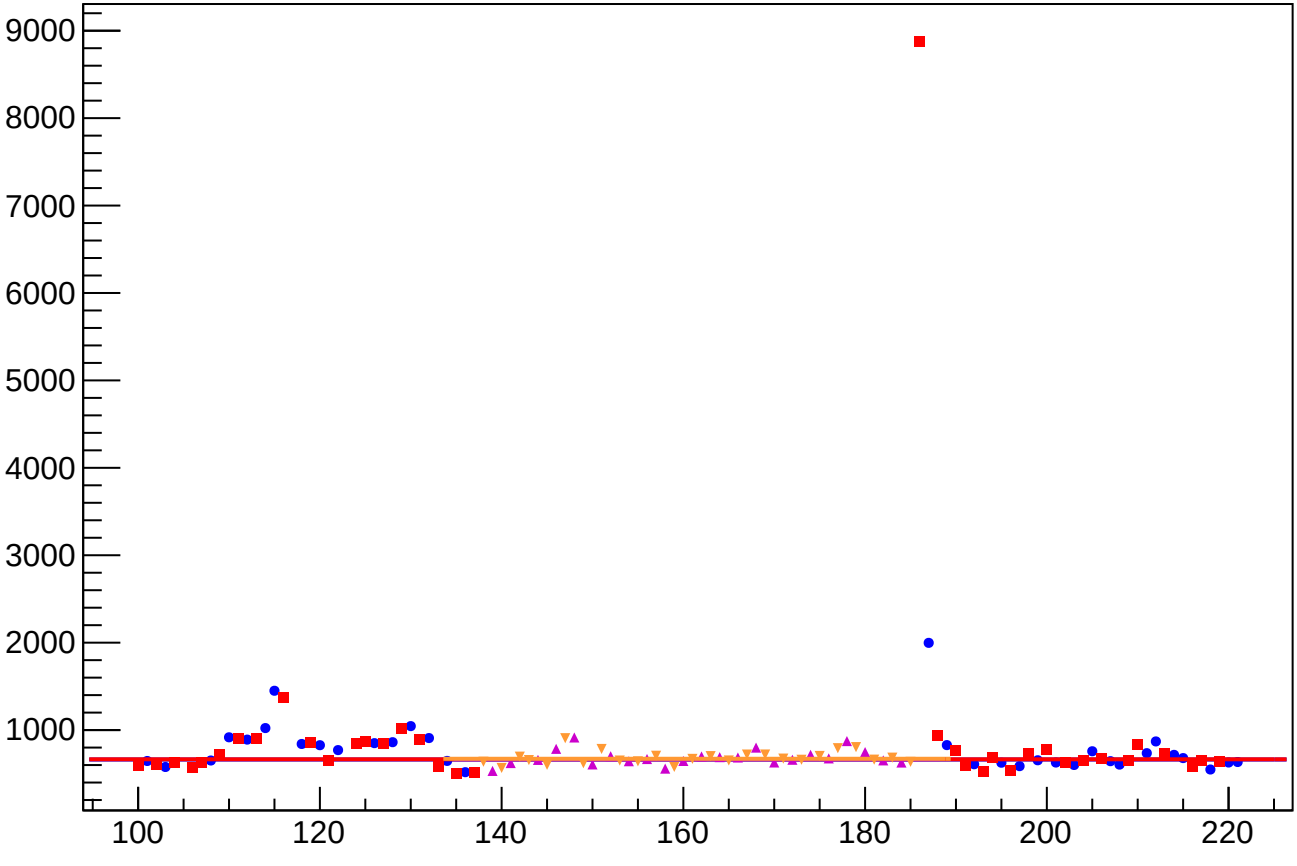
Right: -268.716+/-103.251 χ^2/NDF: 99.6/70

In: 22.534+/-106.323 χ^2/NDF:63.2/56

Out: -232.039+/-106.680 χ^2/NDF:92.6/61

All: -104.327+/-75.308 χ^2/NDF: 158.7/118

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: 665.783+/-0.105 χ^2/NDF: 2001479.3/36

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

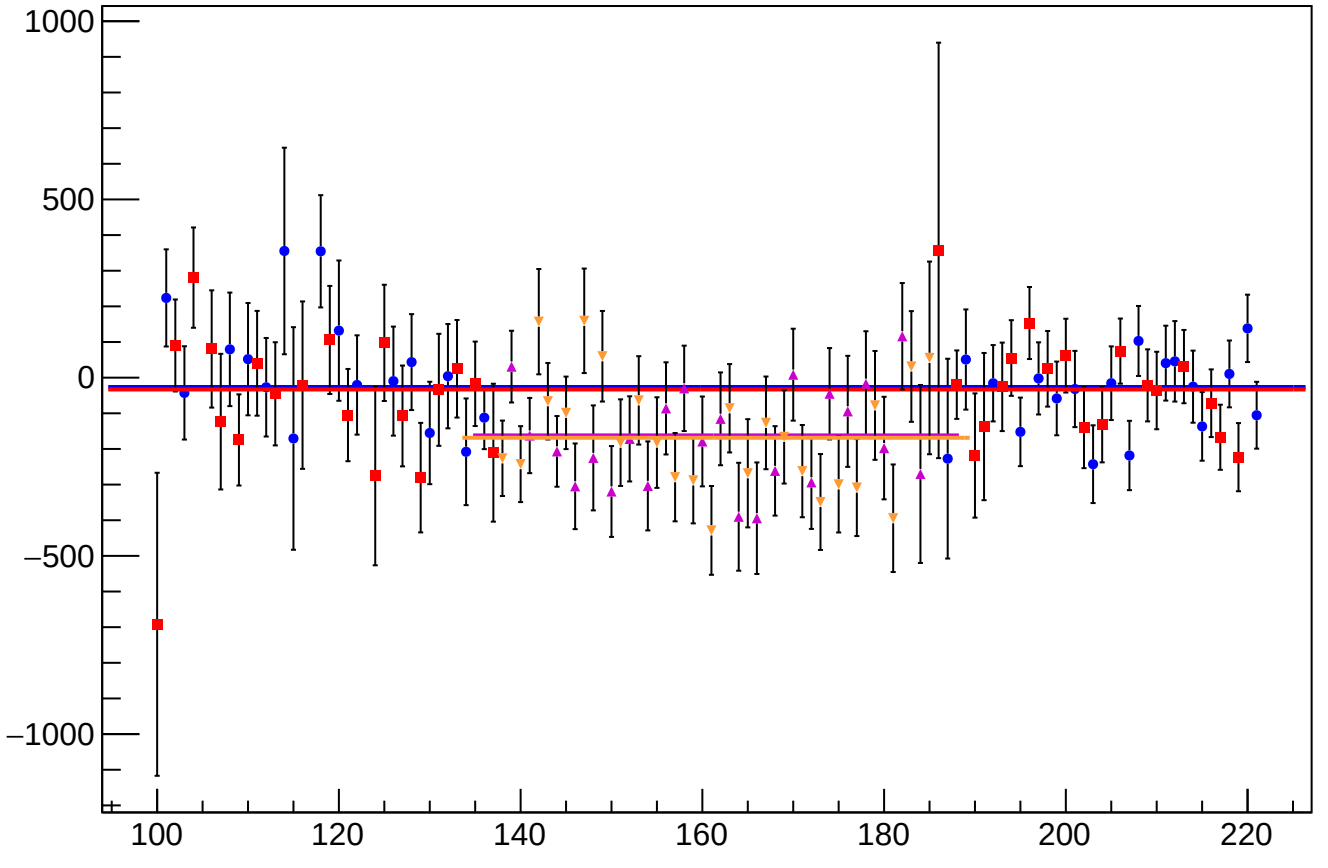
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 664.362+/-0.073 χ^2/NDF: 3309843.4/70

In: 664.986+/-0.075 χ^2/NDF:1855730.2/56

Out: 668.697+/-0.075 χ^2/NDF:2402252.9/61

All: 666.835+/-0.053 χ^2/NDF: 4259197.2/118



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: -33.174+/-20.846 χ^2/NDF: 34.0/36

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

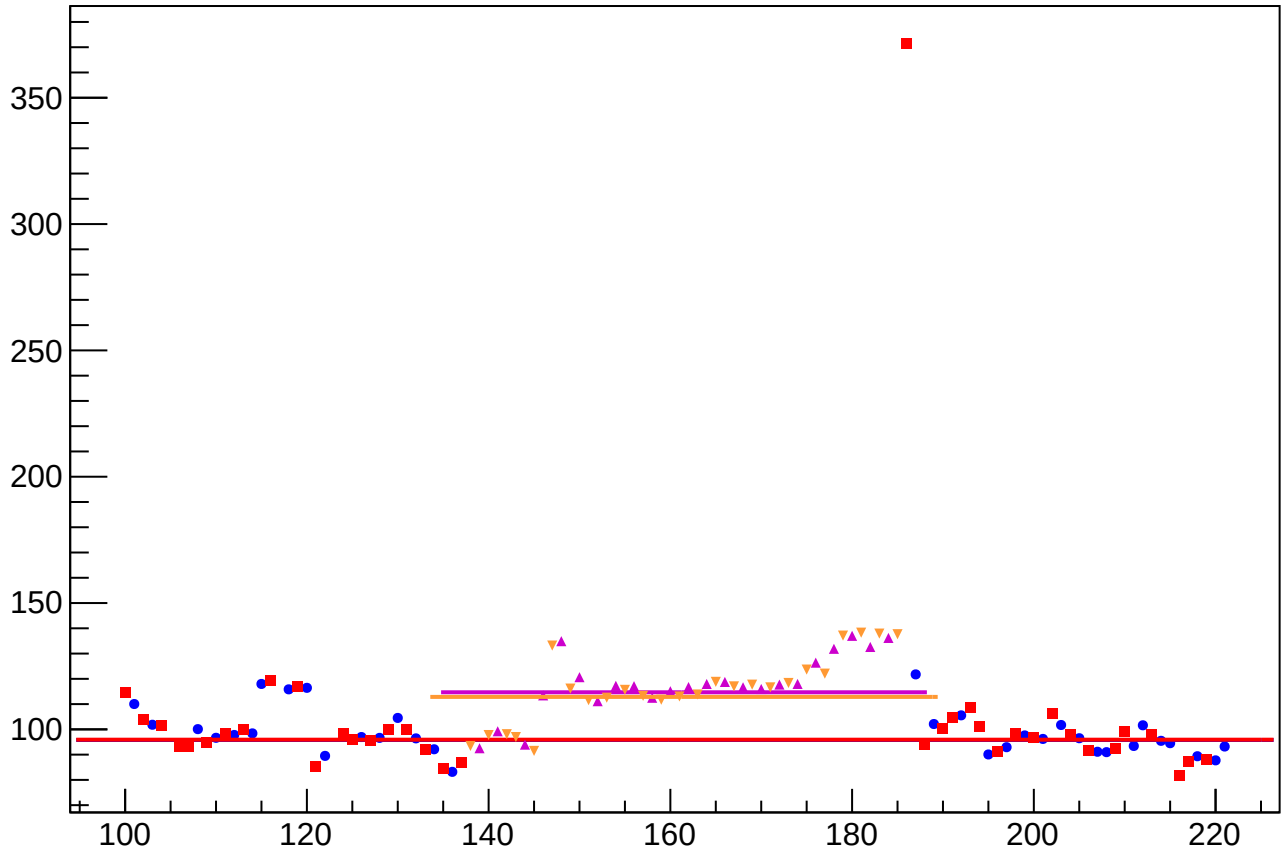
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -29.630+/-14.602 χ^2/NDF: 68.5/70

In: -75.877+/-16.295 χ^2/NDF:74.1/56

Out: -86.630+/-16.219 χ^2/NDF:83.1/61

All: -81.278+/-11.496 χ^2/NDF: 157.3/118



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: 95.909+/-0.015 χ^2/NDF: 703822.7/36

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

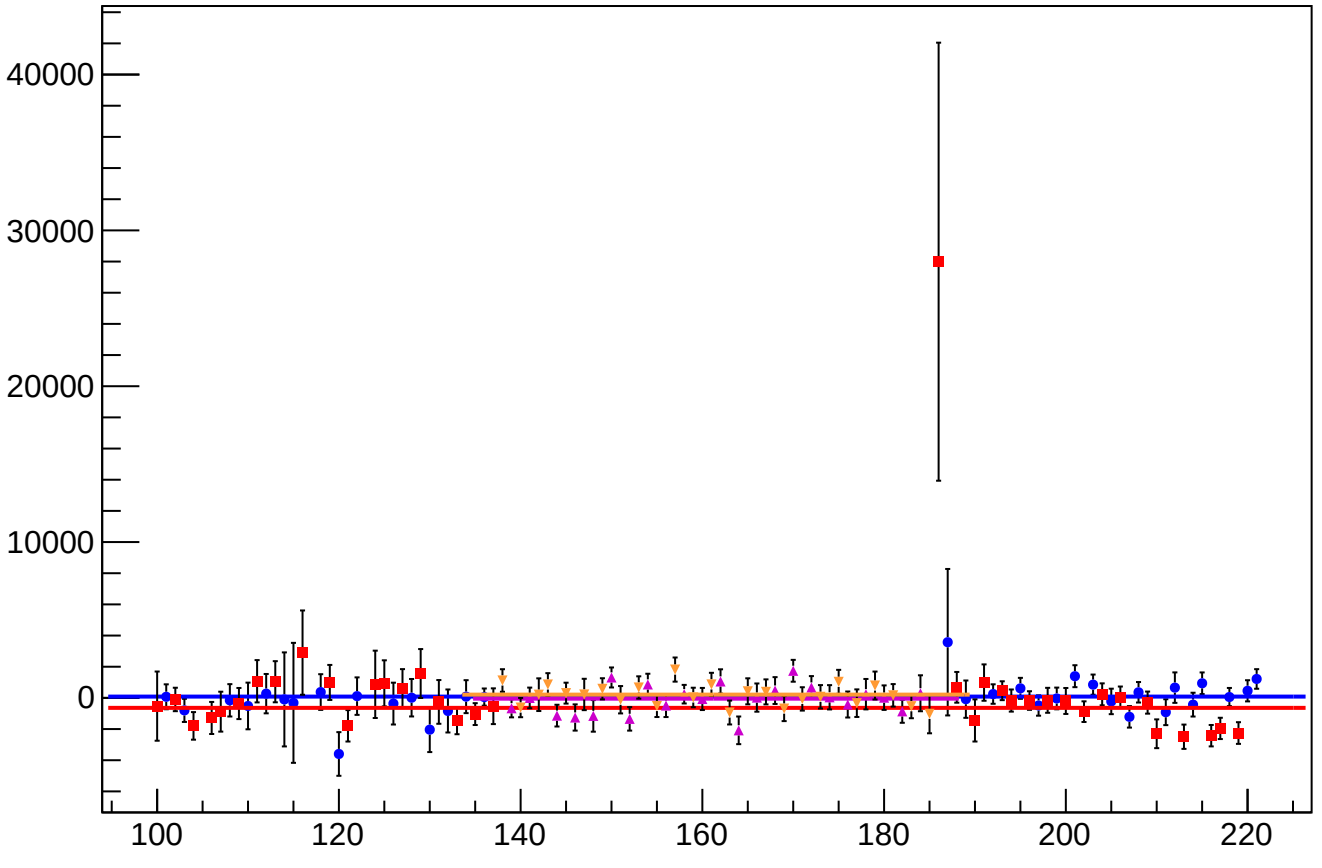
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 95.851+/-0.010 χ^2/NDF: 944954.8/70

In: 102.699+/-0.012 χ^2/NDF:1273959.8/56

Out: 102.594+/-0.011 χ^2/NDF:1737279.6/61

All: 102.646+/-0.008 χ^2/NDF: 3011281.0/118



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: -640.044+/-147.985 χ^2/NDF: 57.9/36

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

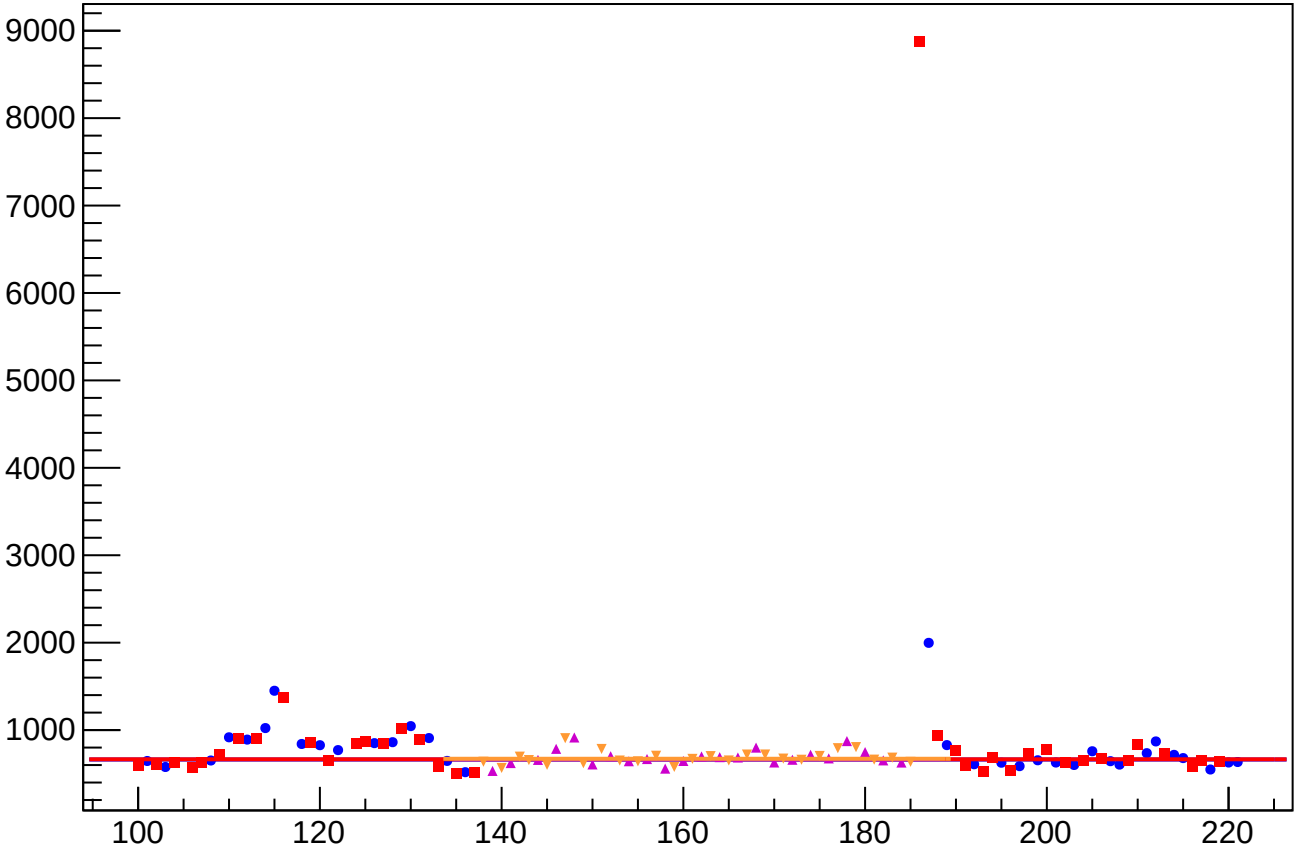
Right: -268.717+/-103.251 χ^2/NDF: 99.6/70

In: 22.534+/-106.323 χ^2/NDF:63.2/56

Out: -232.040+/-106.680 χ^2/NDF:92.6/61

All: -104.327+/-75.308 χ^2/NDF: 158.7/118

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: 665.783+/-0.105 χ^2/NDF: 2001485.6/36

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

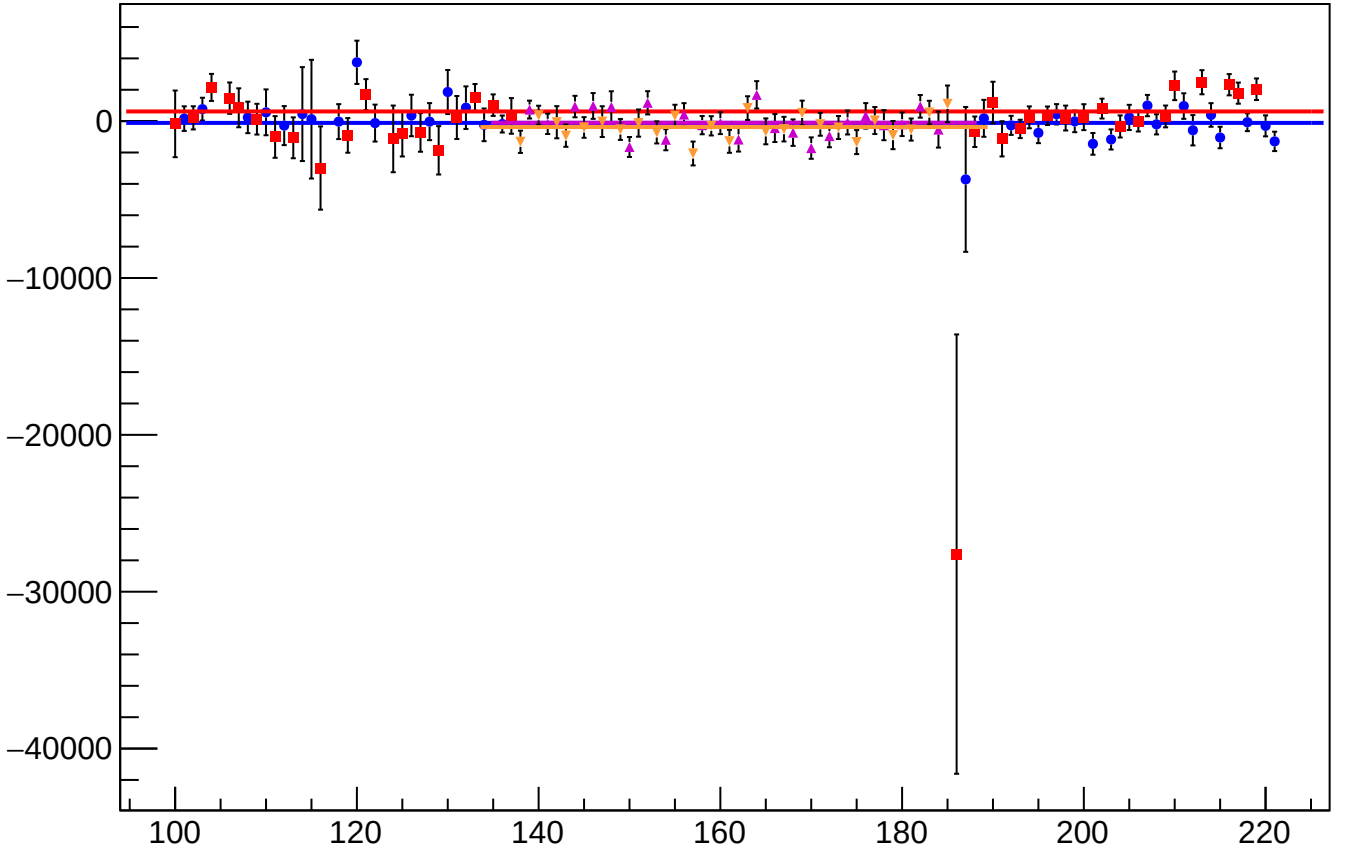
Right: 664.361+/-0.073 χ^2/NDF: 3309849.8/70

In: 664.986+/-0.075 χ^2/NDF:1855732.9/56

Out: 668.697+/-0.075 χ^2/NDF:2402260.3/61

All: 666.835+/-0.053 χ^2/NDF: 4259207.3/118

asym_sam_15_dd_mean vs Slug, Sign Corrected



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: 617.047+/-145.216 χ^2/NDF: 58.4/36

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

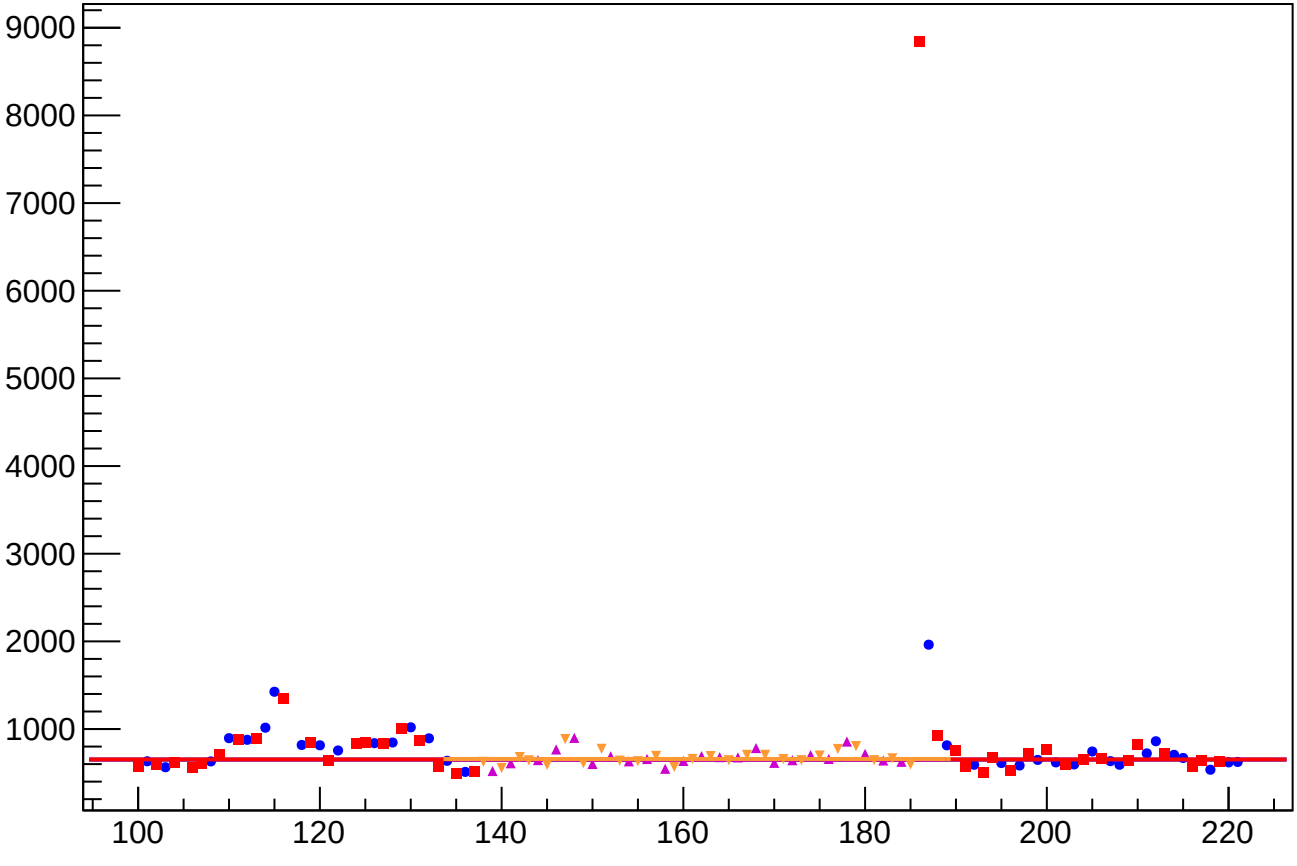
Right: 243.211+/-101.390 χ^2/NDF: 103.5/70

In: -108.234+/-104.349 χ^2/NDF:67.7/56

Out: 139.161+/-104.652 χ^2/NDF:102.4/61

All: 15.105+/-73.893 χ^2/NDF: 172.9/118

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: 652.907+/-0.103 χ^2/NDF: 2041485.4/36

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

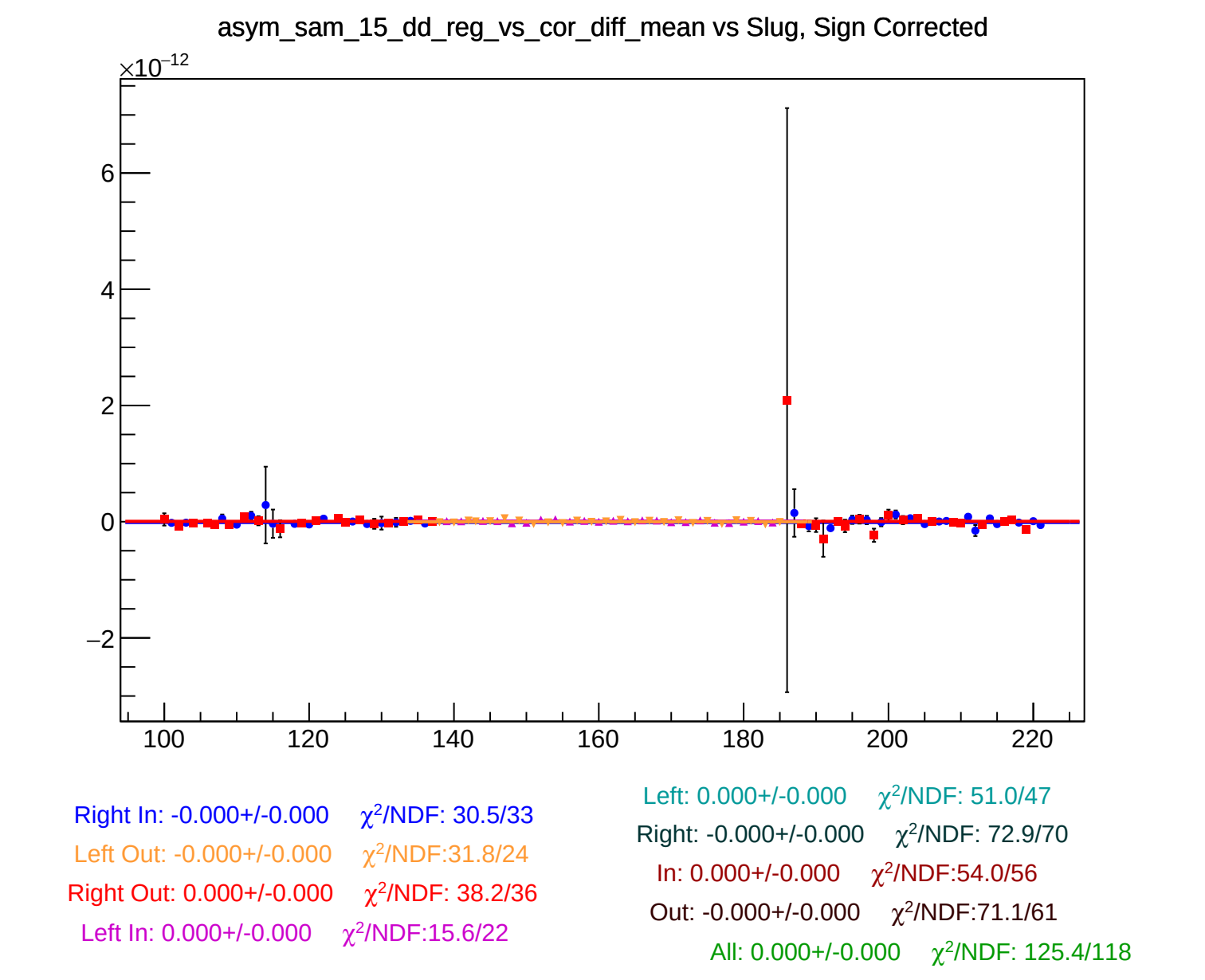
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

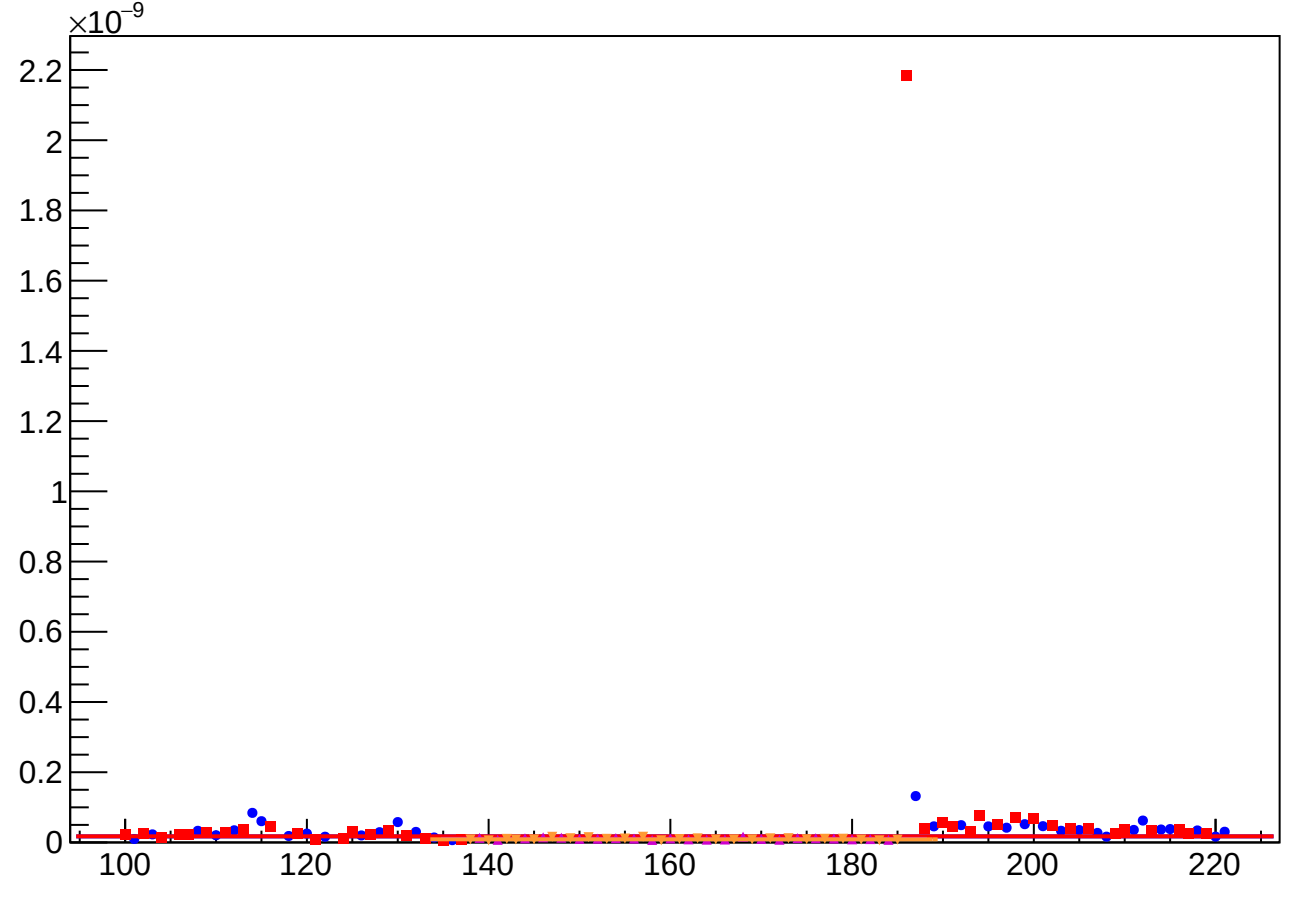
Right: 652.123+/-0.072 χ^2/NDF: 3348916.8/70

In: 652.553+/-0.074 χ^2/NDF:1849697.6/56

Out: 655.678+/-0.074 χ^2/NDF:2452684.6/61

All: 654.111+/-0.052 χ^2/NDF: 4303276.7/118


asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 30.5/33
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.2/36
Left In: 0.000+/-0.000 χ²/NDF:15.6/22
Left: 0.000+/-0.000 χ²/NDF: 51.0/47
Right: -0.000+/-0.000 χ²/NDF: 72.9/70
In: 0.000+/-0.000 χ²/NDF:54.0/56
Out: -0.000+/-0.000 χ²/NDF:71.1/61
All: 0.000+/-0.000 χ²/NDF: 125.4/118



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: 8176186.8/36

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

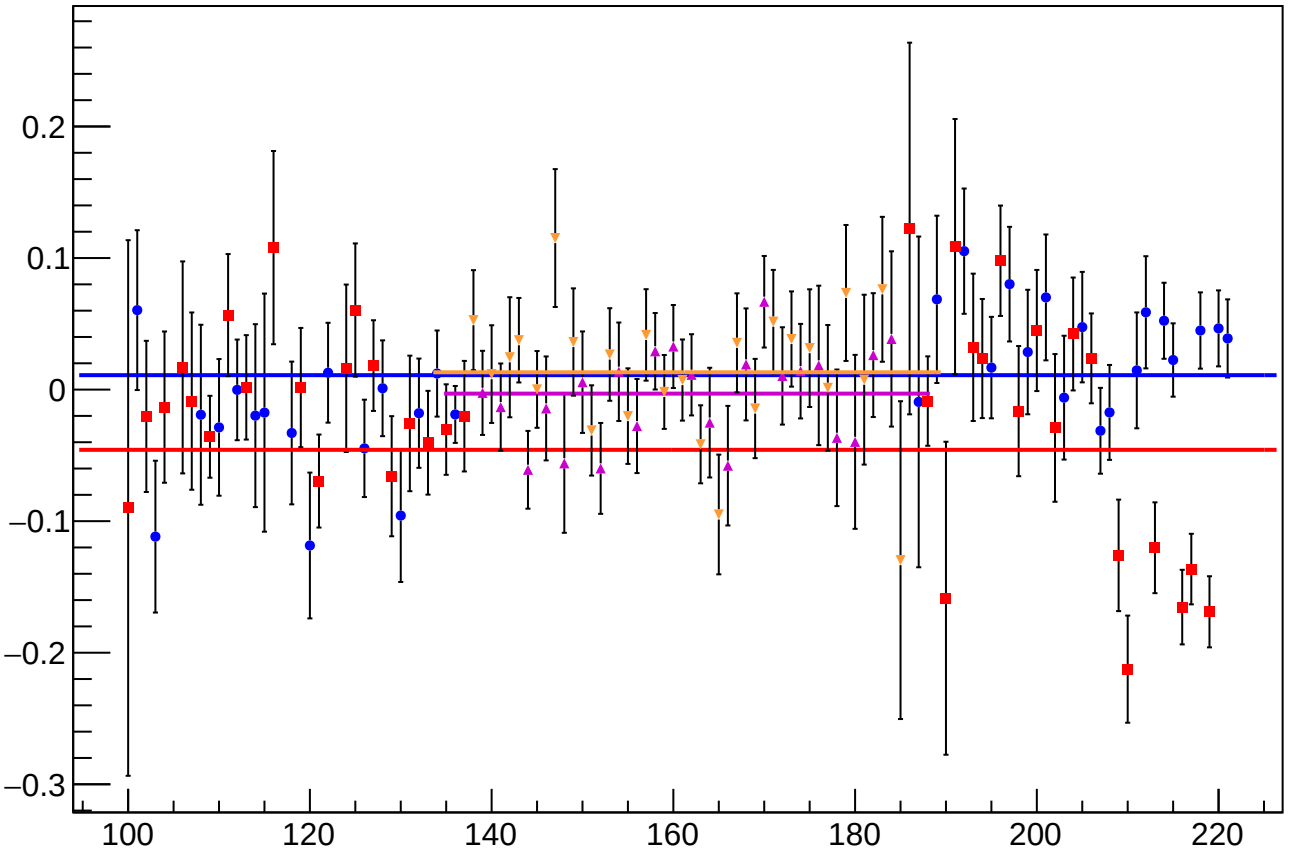
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15718007.0/70

In: 0.000+/-0.000 χ^2/NDF:9900359.7/56

Out: 0.000+/-0.000 χ^2/NDF:11665421.3/61

All: 0.000+/-0.000 χ^2/NDF: 21749708.0/118



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: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

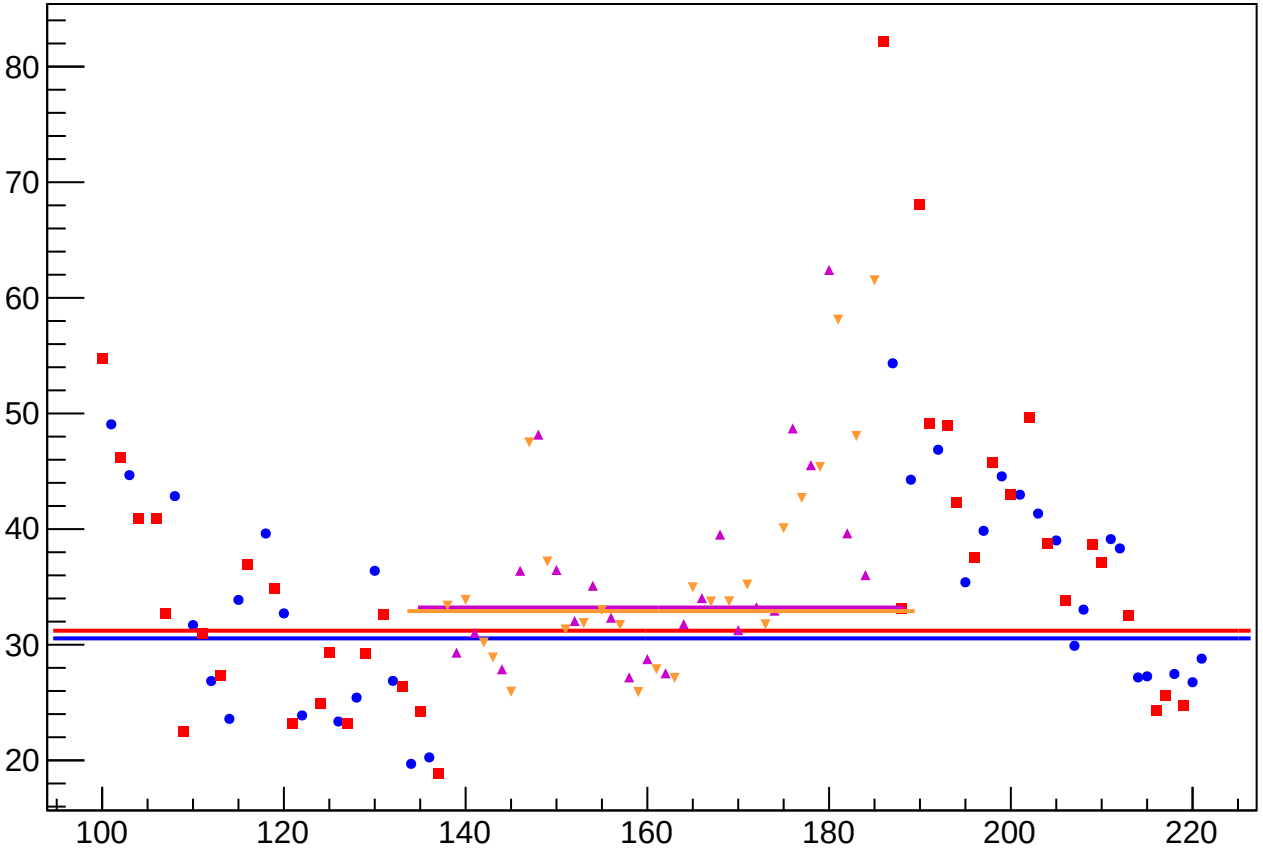
Right: -0.016+/-0.005 χ^2/NDF: 207.9/70

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.007+/-0.004 χ^2/NDF: 263.2/118

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

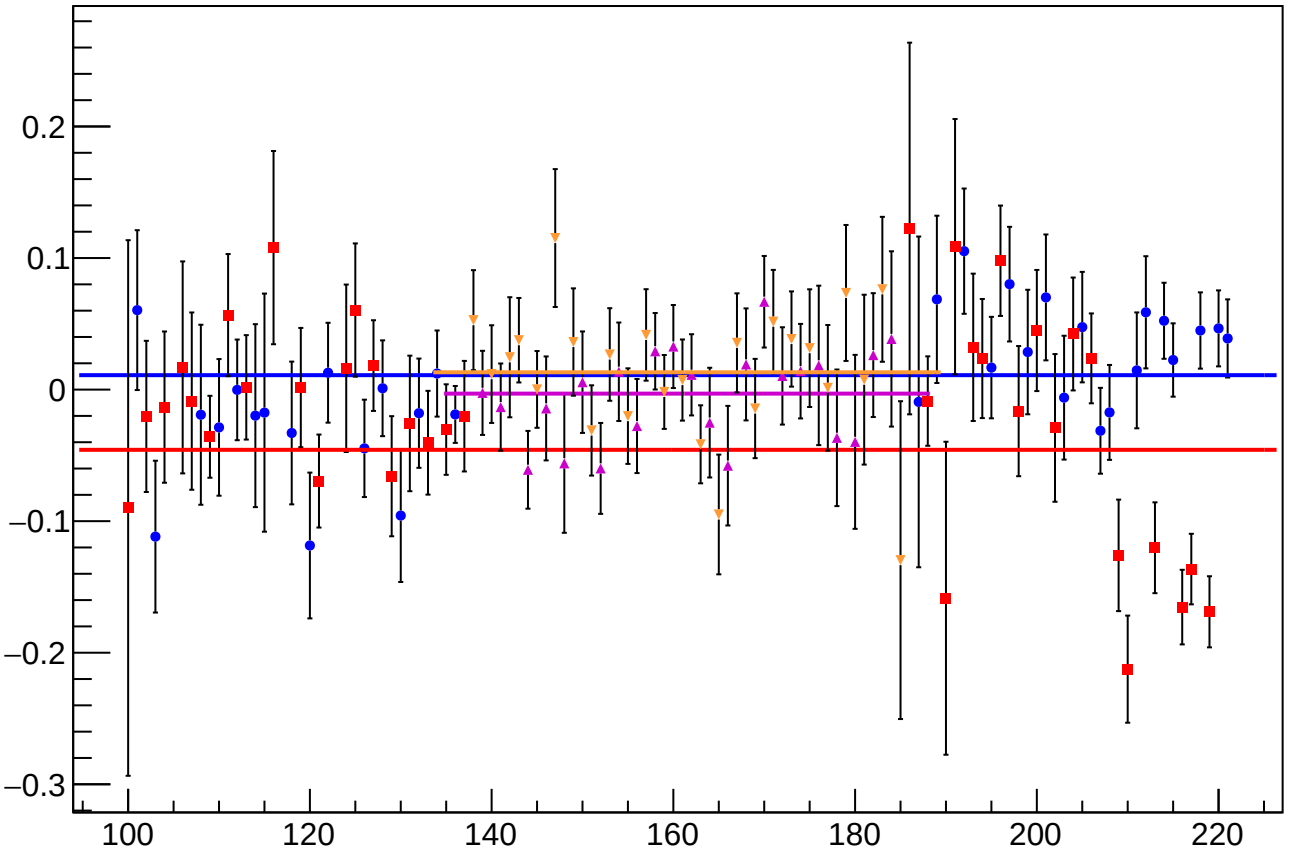
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.869+/-0.003 χ^2/NDF: 5549220.9/70

In: 31.672+/-0.004 χ^2/NDF:4006252.6/56

Out: 31.990+/-0.004 χ^2/NDF:4365791.8/61

All: 31.830+/-0.003 χ^2/NDF: 8375807.1/118



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: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

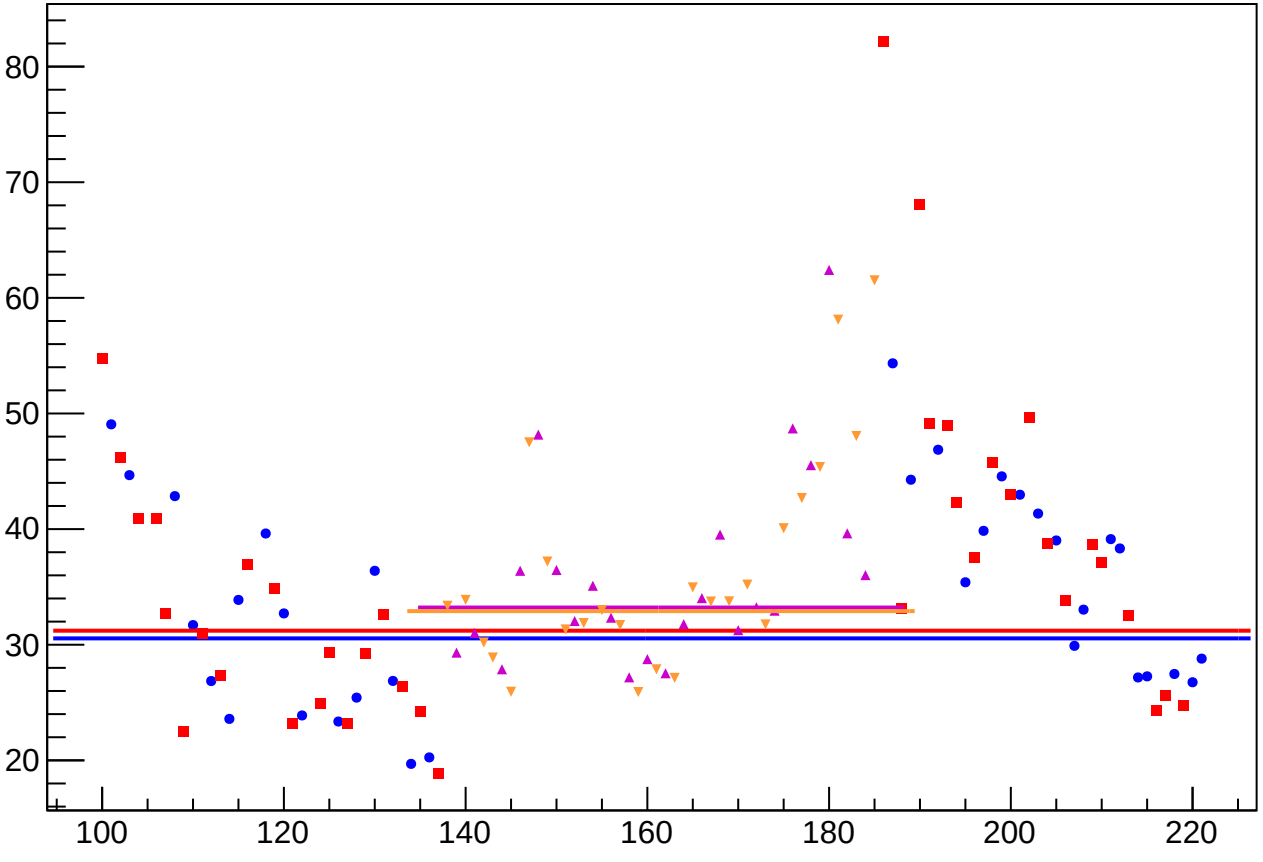
Right: -0.016+/-0.005 χ^2/NDF: 207.9/70

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.007+/-0.004 χ^2/NDF: 263.2/118

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

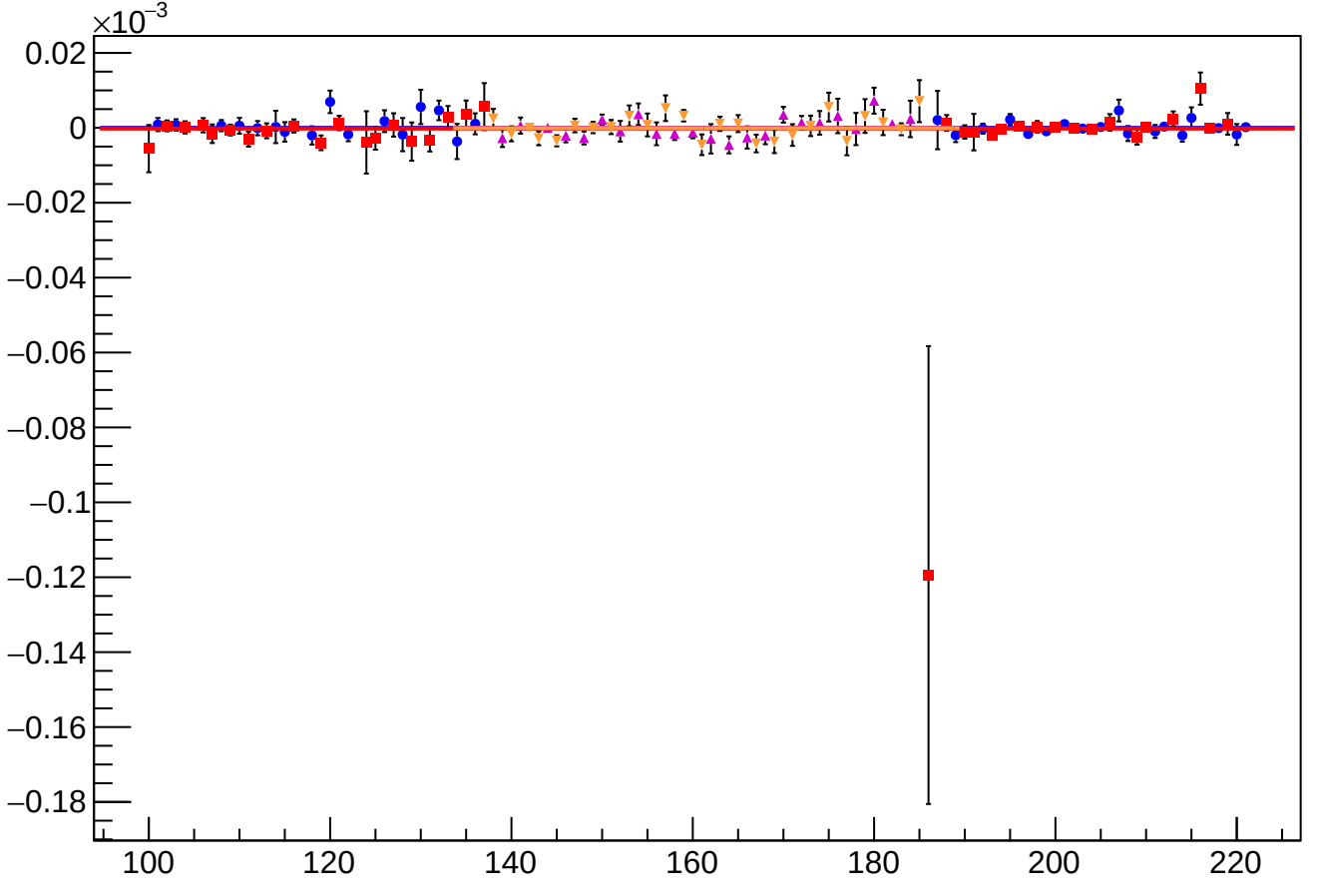
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.869+/-0.003 χ^2/NDF: 5549220.9/70

In: 31.672+/-0.004 χ^2/NDF:4006252.6/56

Out: 31.990+/-0.004 χ^2/NDF:4365791.8/61

All: 31.830+/-0.003 χ^2/NDF: 8375807.1/118



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: 31.3/36

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

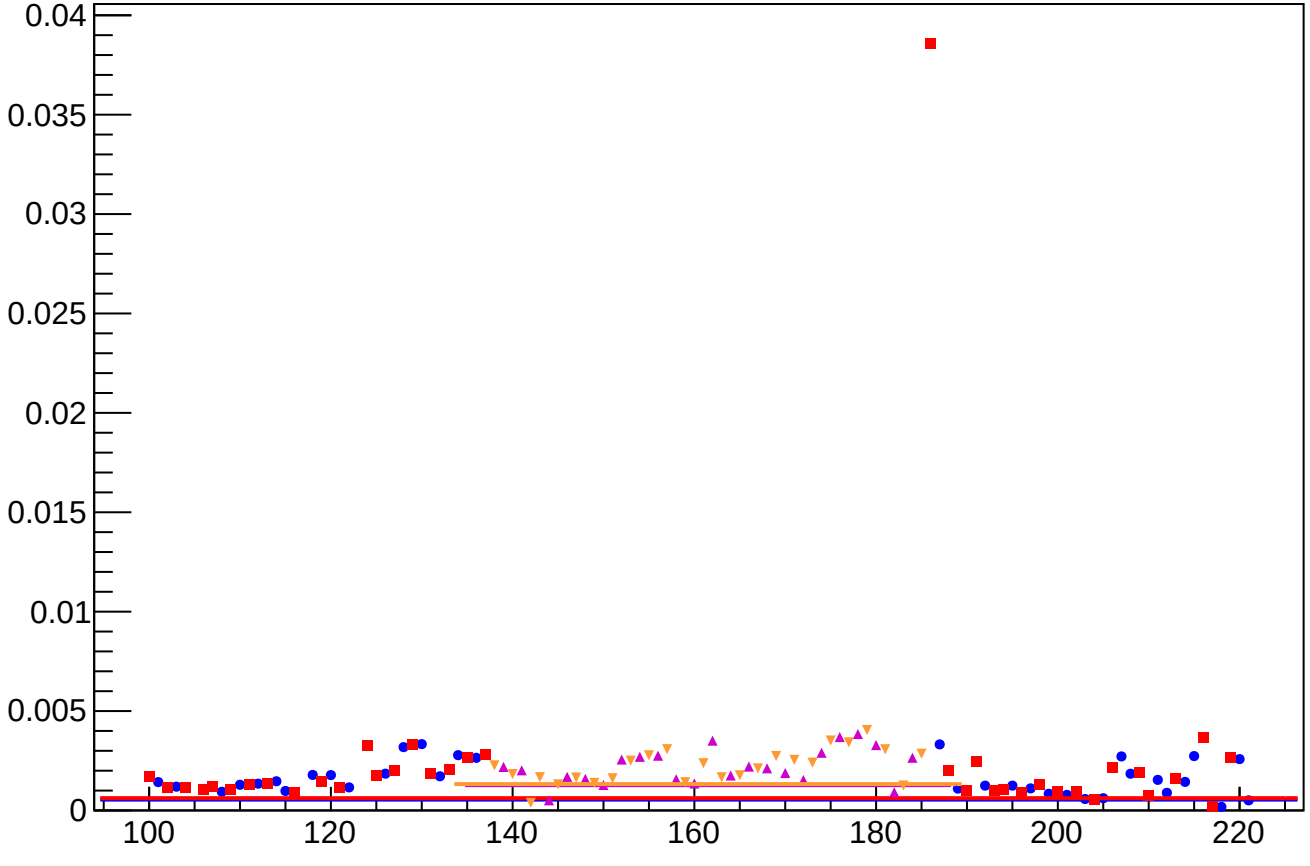
Right: -0.000+/-0.000 χ^2/NDF: 59.6/70

In: -0.000+/-0.000 χ^2/NDF:54.9/56

Out: -0.000+/-0.000 χ^2/NDF:62.3/61

All: -0.000+/-0.000 χ^2/NDF: 117.6/118

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: 18252686.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

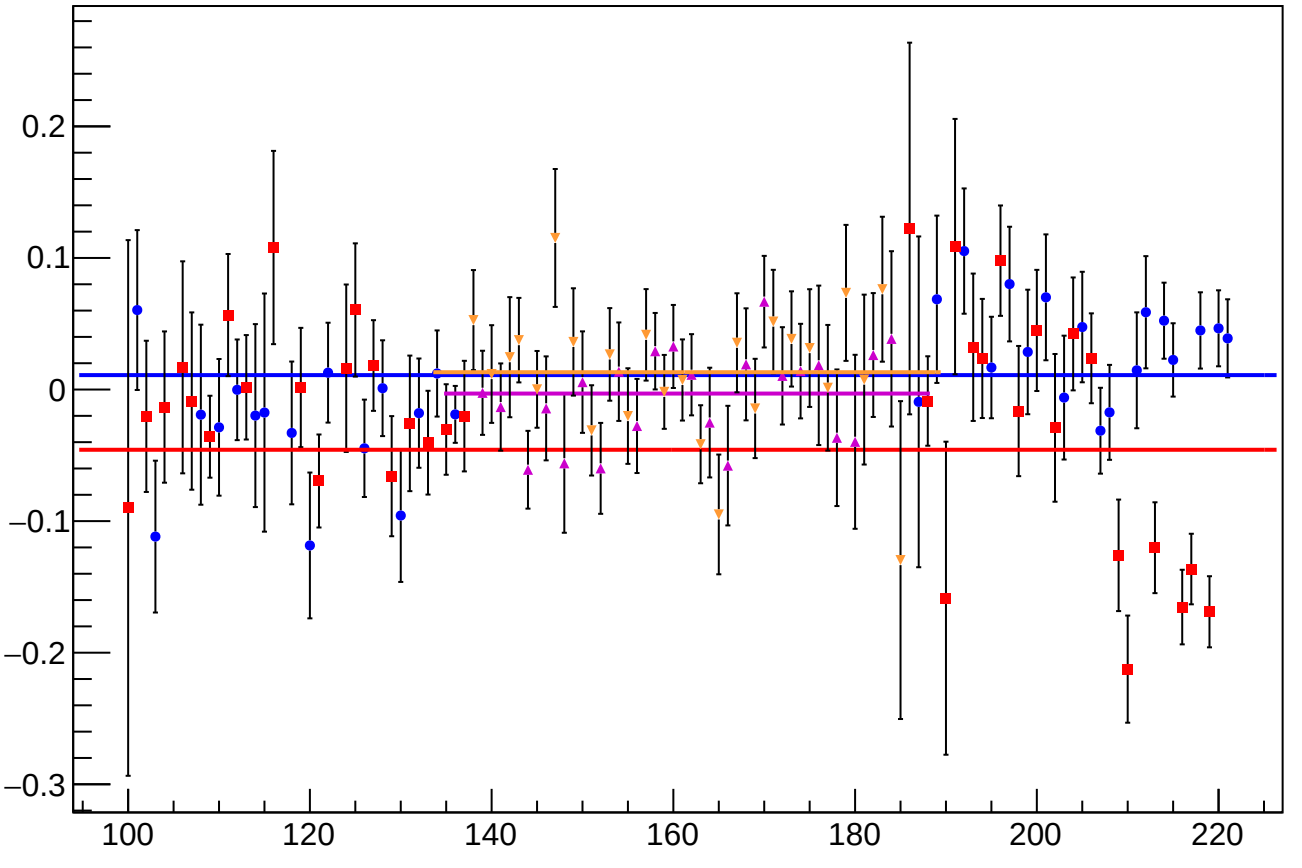
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 37797816.8/70

In: 0.001+/-0.000 χ^2/NDF:36128139.2/56

Out: 0.001+/-0.000 χ^2/NDF:35353344.7/61

All: 0.001+/-0.000 χ^2/NDF: 71740671.6/118



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: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

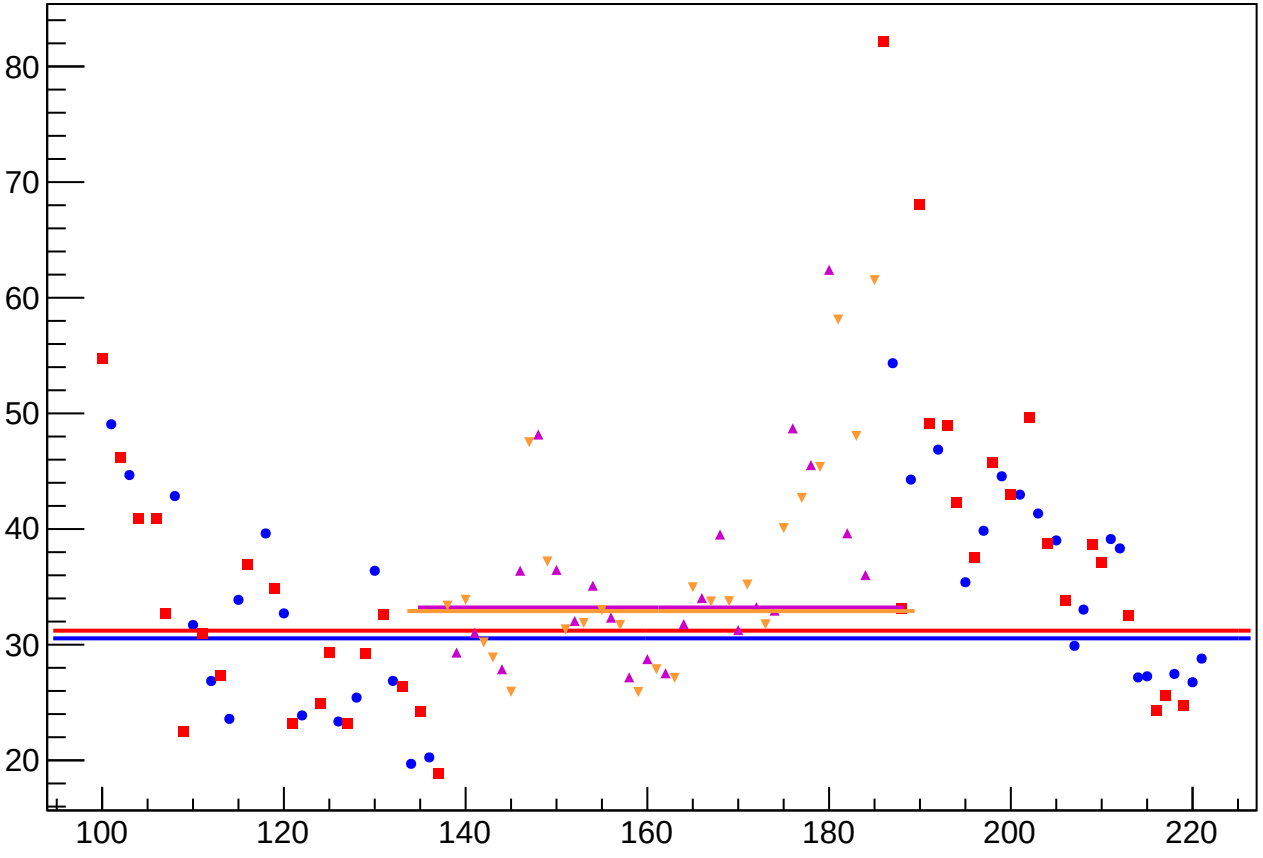
Right: -0.016+/-0.005 χ^2/NDF: 207.9/70

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.007+/-0.004 χ^2/NDF: 263.2/118

asym_sam_15_dd_eigen_dit_vs_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: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

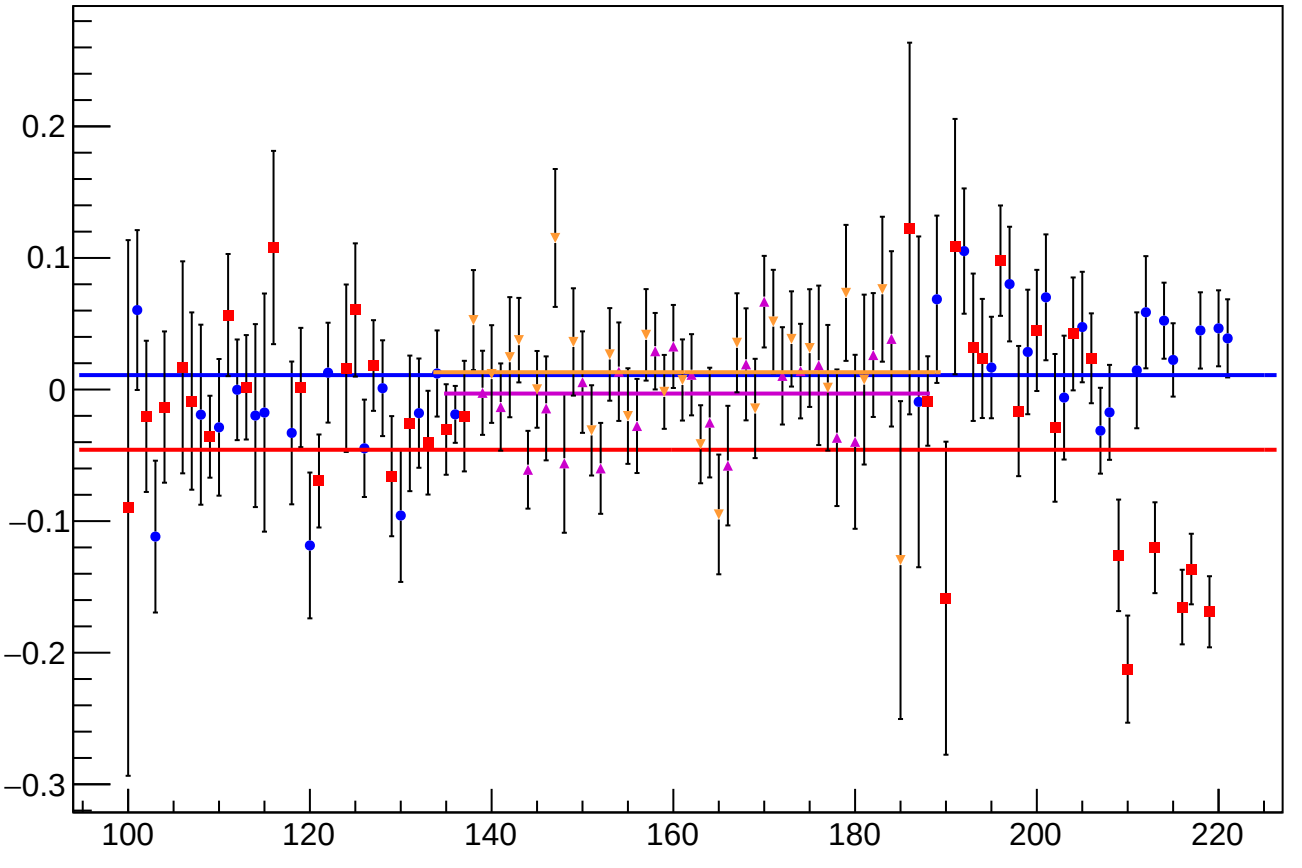
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.868+/-0.003 χ^2/NDF: 5549735.2/70

In: 31.671+/-0.004 χ^2/NDF:4006583.4/56

Out: 31.989+/-0.004 χ^2/NDF:4366253.7/61

All: 31.829+/-0.003 χ^2/NDF: 8376595.5/118



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: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

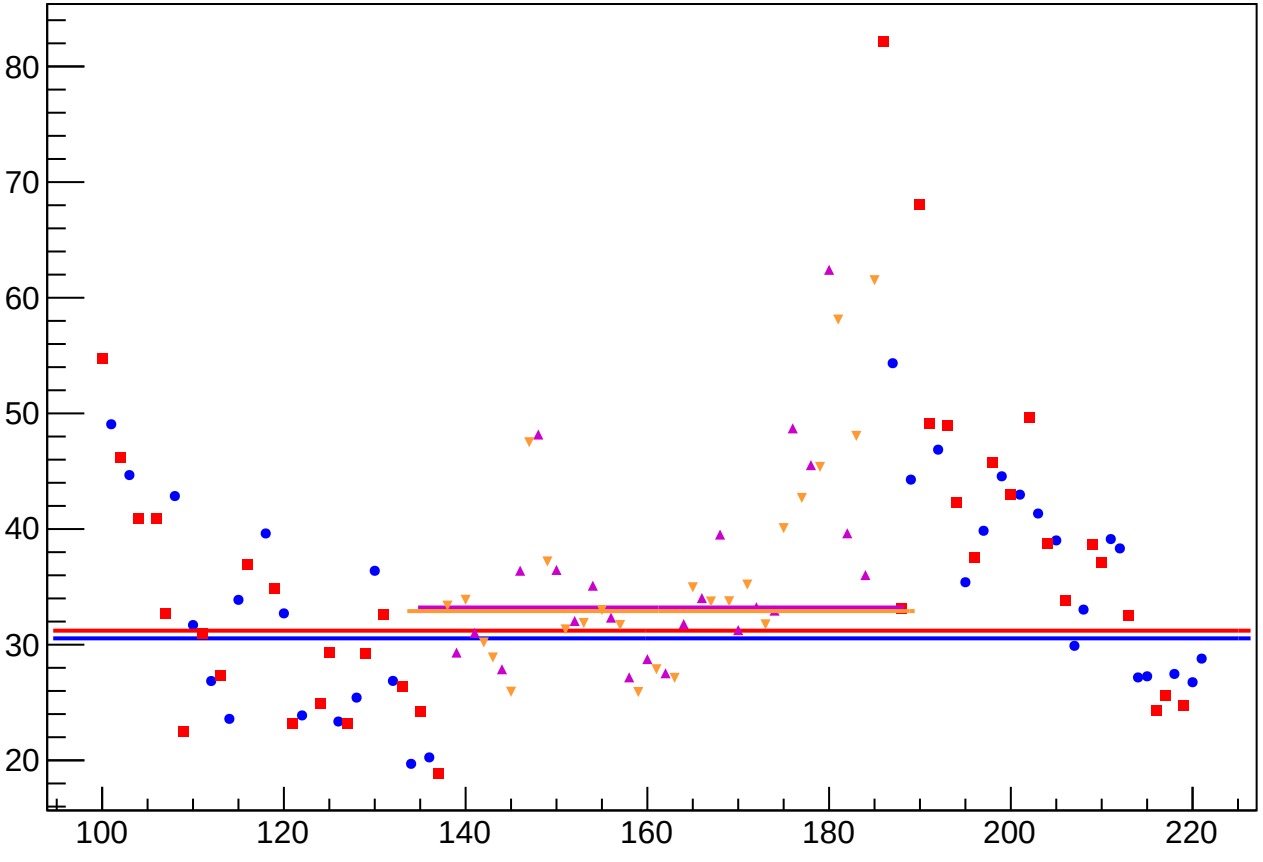
Right: -0.016+/-0.005 χ^2/NDF: 207.9/70

In: 0.005+/-0.005 χ^2/NDF:62.1/56

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.007+/-0.004 χ^2/NDF: 263.2/118

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: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

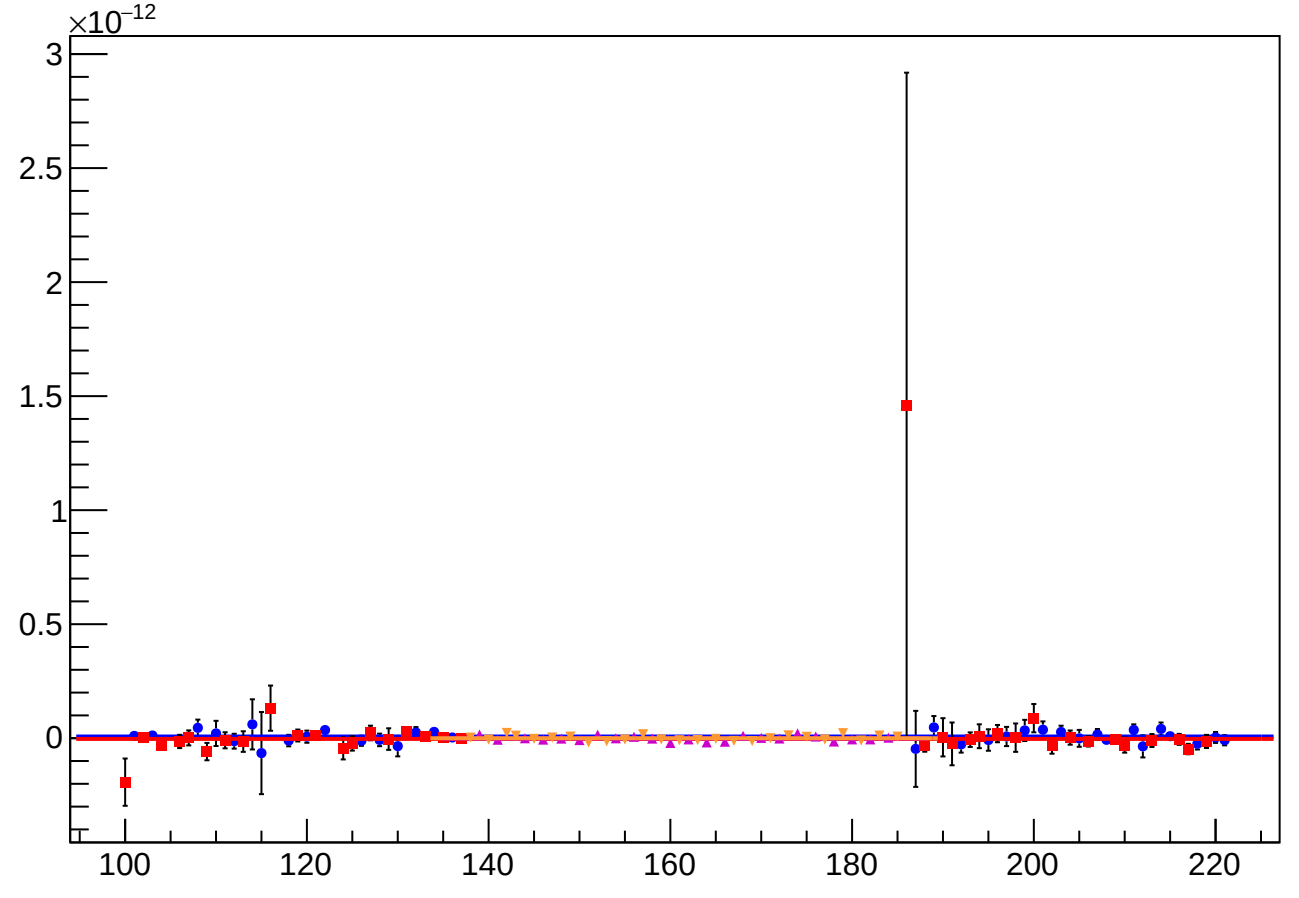
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.868+/-0.003 χ^2/NDF: 5549735.2/70

In: 31.671+/-0.004 χ^2/NDF:4006583.4/56

Out: 31.989+/-0.004 χ^2/NDF:4366253.7/61

All: 31.829+/-0.003 χ^2/NDF: 8376595.5/118



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: 26.7/36

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

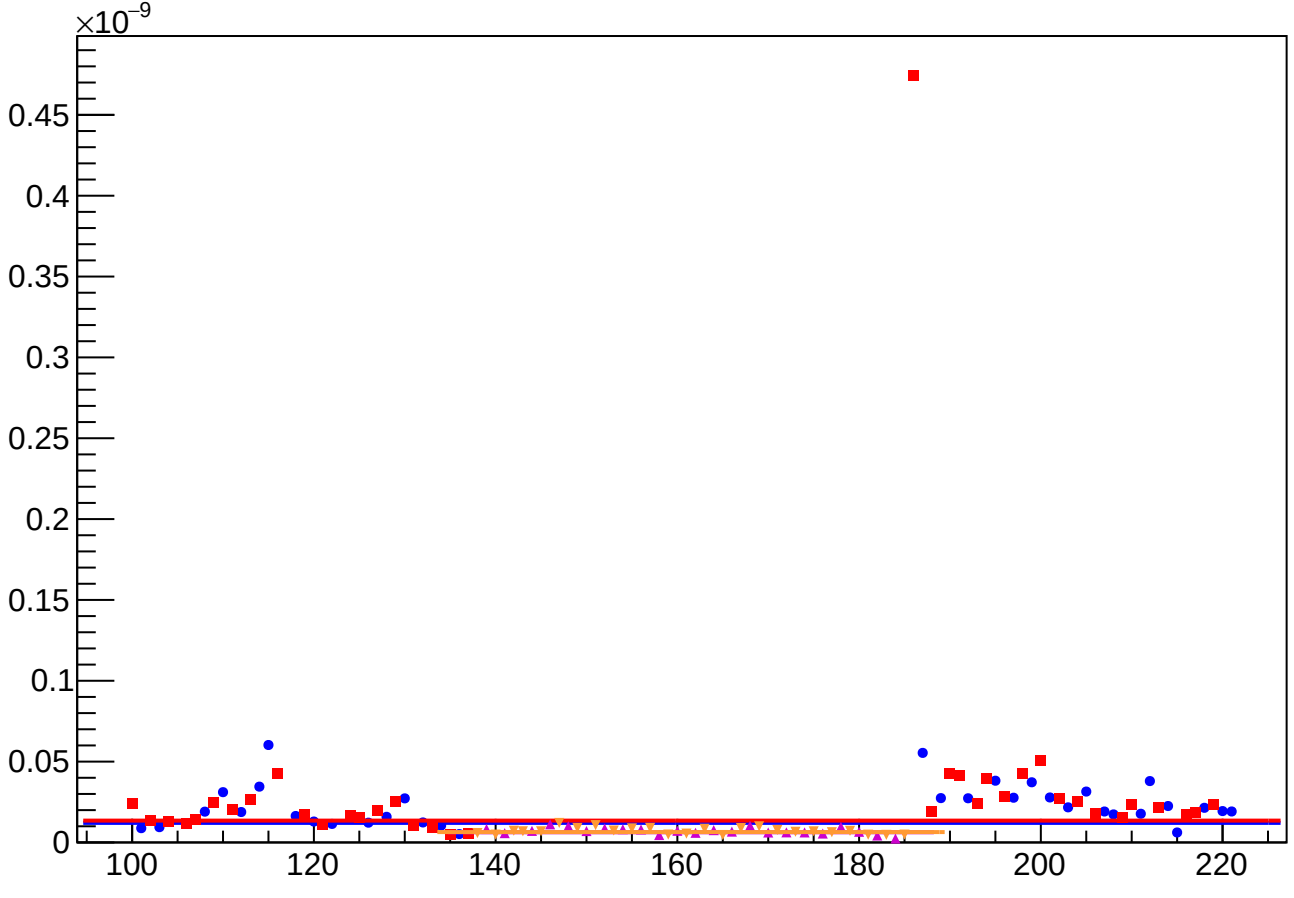
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.3/70

In: 0.000+/-0.000 χ^2/NDF:47.5/56

Out: -0.000+/-0.000 χ^2/NDF:58.2/61

All: -0.000+/-0.000 χ^2/NDF: 105.9/118



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: 8021040.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

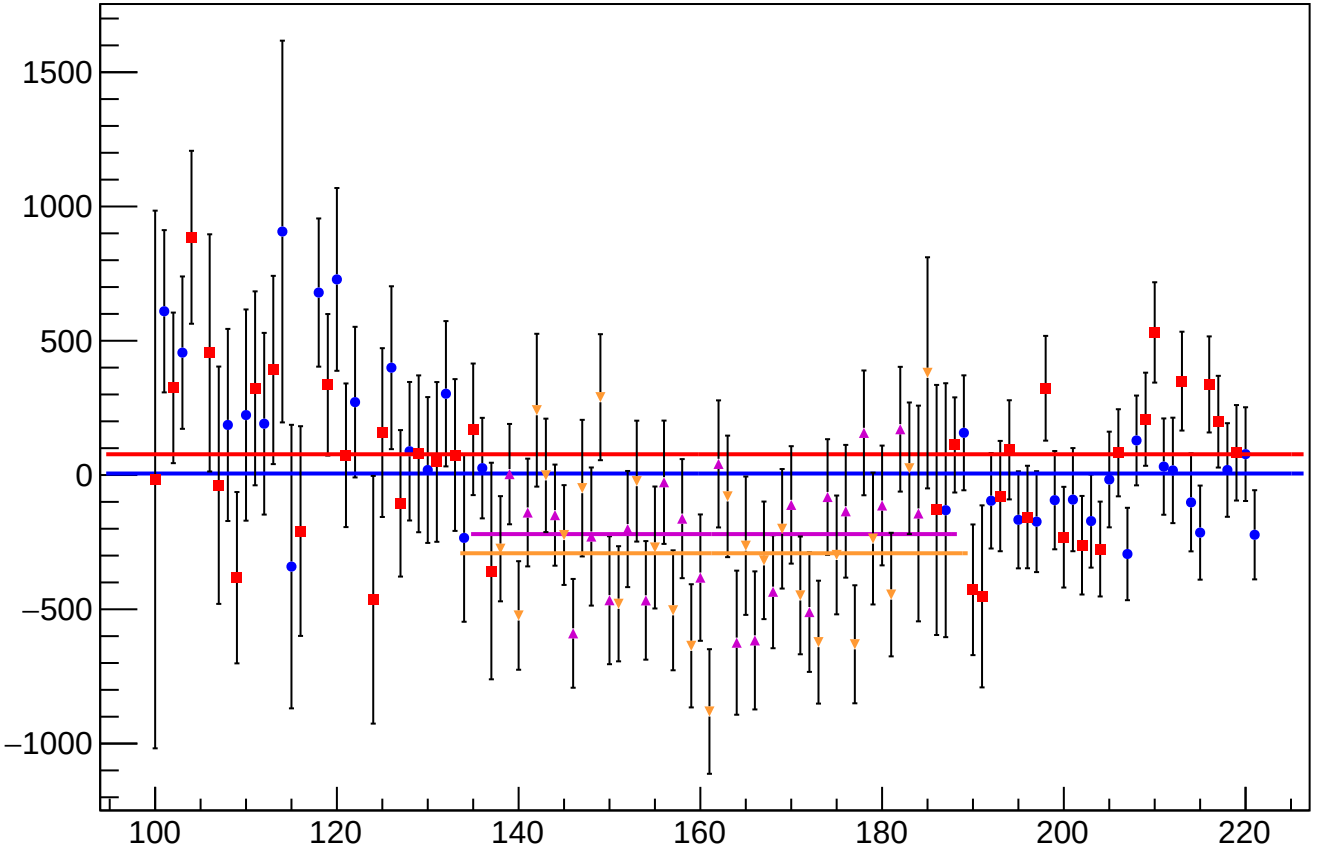
Right: 0.000+/-0.000 χ^2/NDF: 17169685.4/70

In: 0.000+/-0.000 χ^2/NDF:15019872.5/56

Out: 0.000+/-0.000 χ^2/NDF:14859014.4/61

All: 0.000+/-0.000 χ^2/NDF: 29881131.5/118

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: 77.343+/-38.736 χ^2/NDF: 48.0/36

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

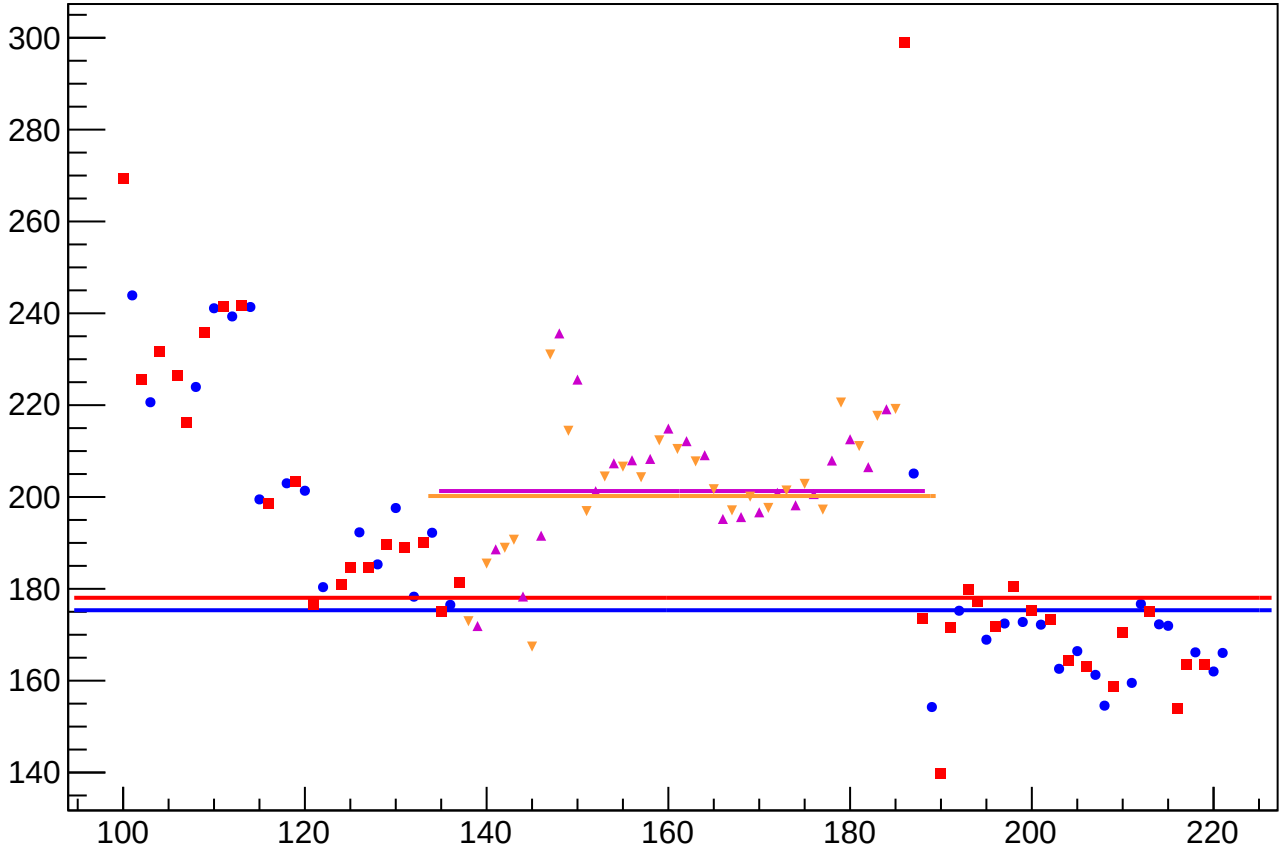
Right: 40.390+/-26.972 χ^2/NDF: 86.1/70

In: -82.024+/-29.386 χ^2/NDF:74.1/56

Out: -77.126+/-29.526 χ^2/NDF:122.3/61

All: -79.587+/-20.828 χ^2/NDF: 196.3/118

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: 178.050+/-0.027 χ^2/NDF: 711348.8/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

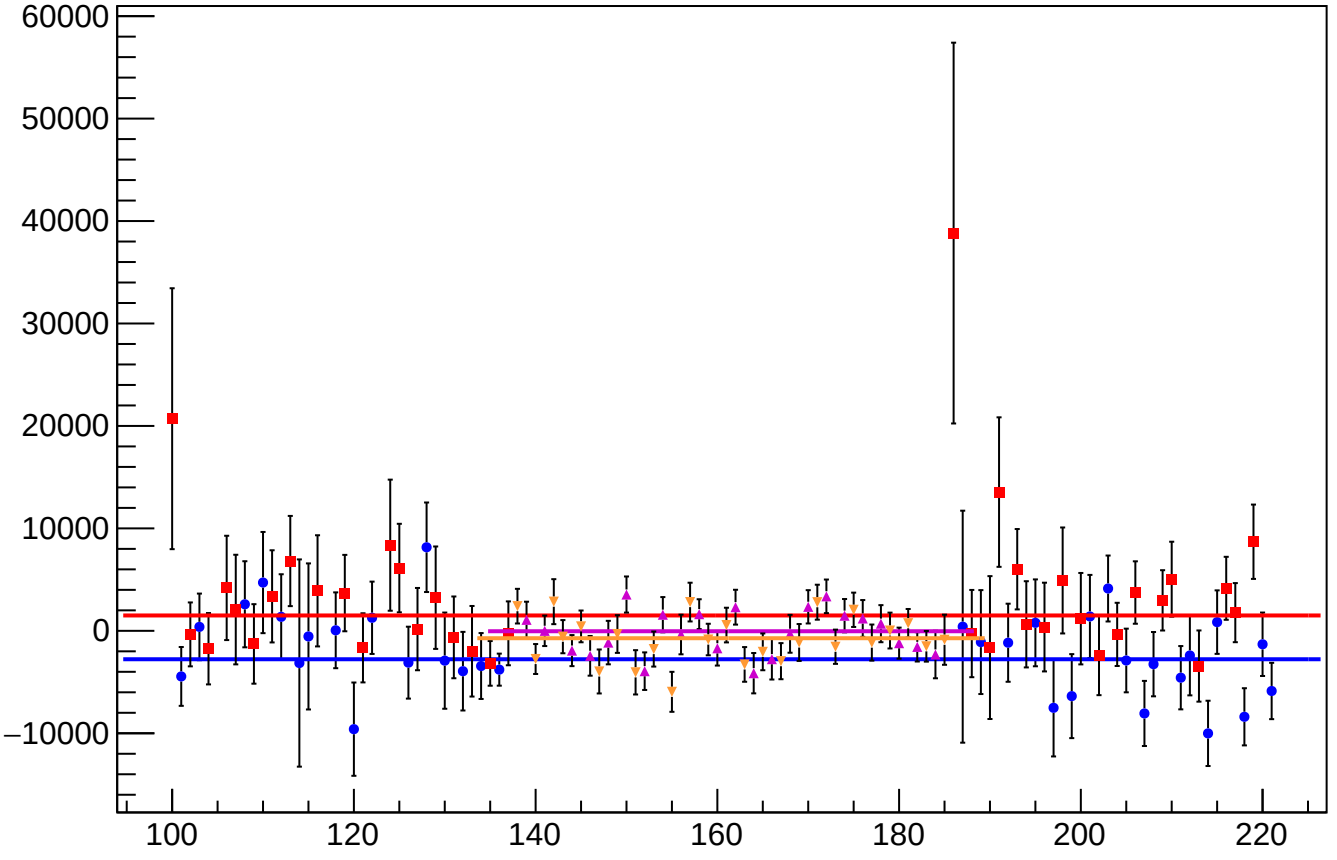
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.654+/-0.019 χ^2/NDF: 1249275.7/70

In: 185.424+/-0.021 χ^2/NDF:1085288.4/56

Out: 187.335+/-0.021 χ^2/NDF:1189982.3/61

All: 186.375+/-0.015 χ^2/NDF: 2279482.3/118



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: 1500.558+/-639.312 χ^2/NDF: 34.5/36

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

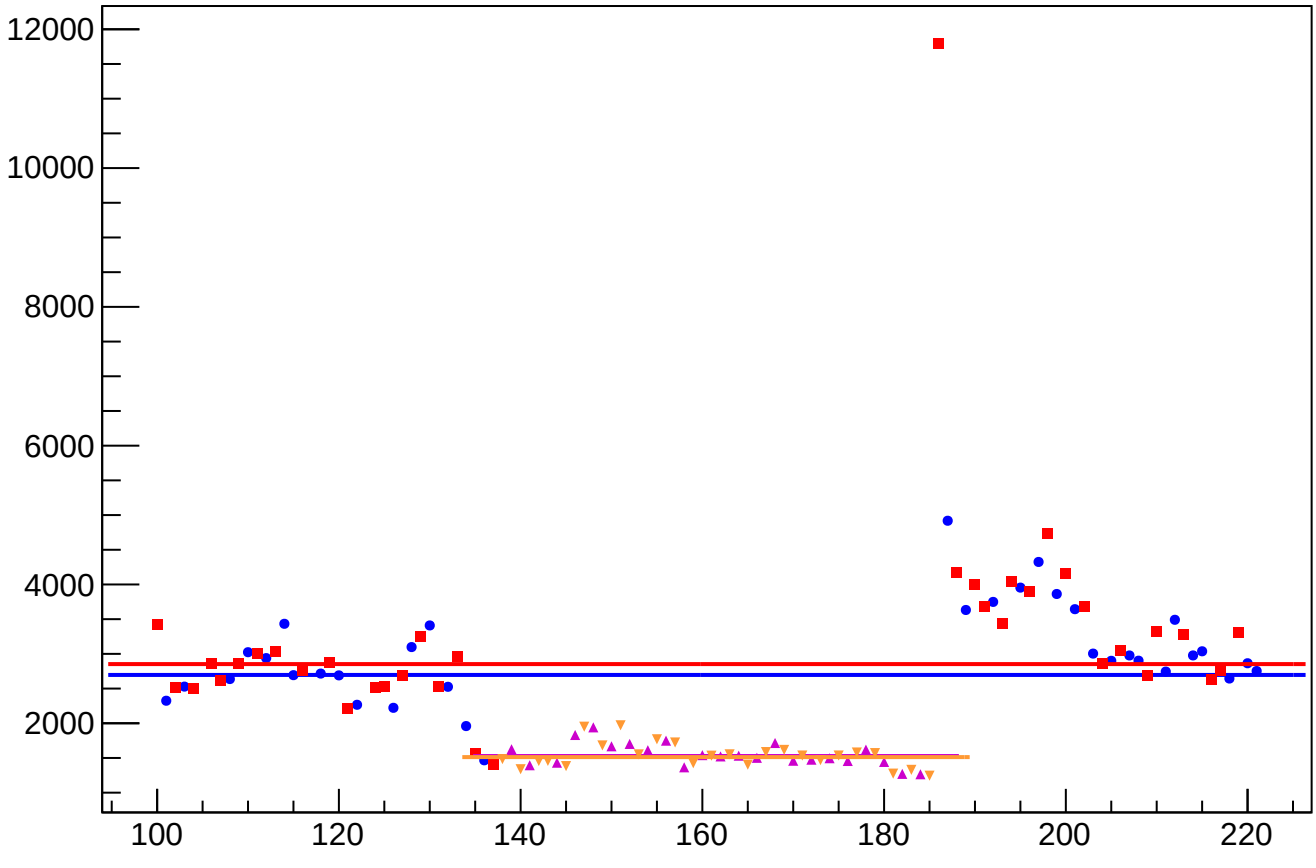
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -791.686+/-435.337 χ^2/NDF: 99.4/70

In: -770.788+/-307.474 χ^2/NDF:90.9/56

Out: -216.633+/-304.549 χ^2/NDF:82.1/61

All: -491.062+/-216.375 χ^2/NDF: 174.6/118



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: 2852.728+/-0.452 χ^2/NDF: 3018171.4/36

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

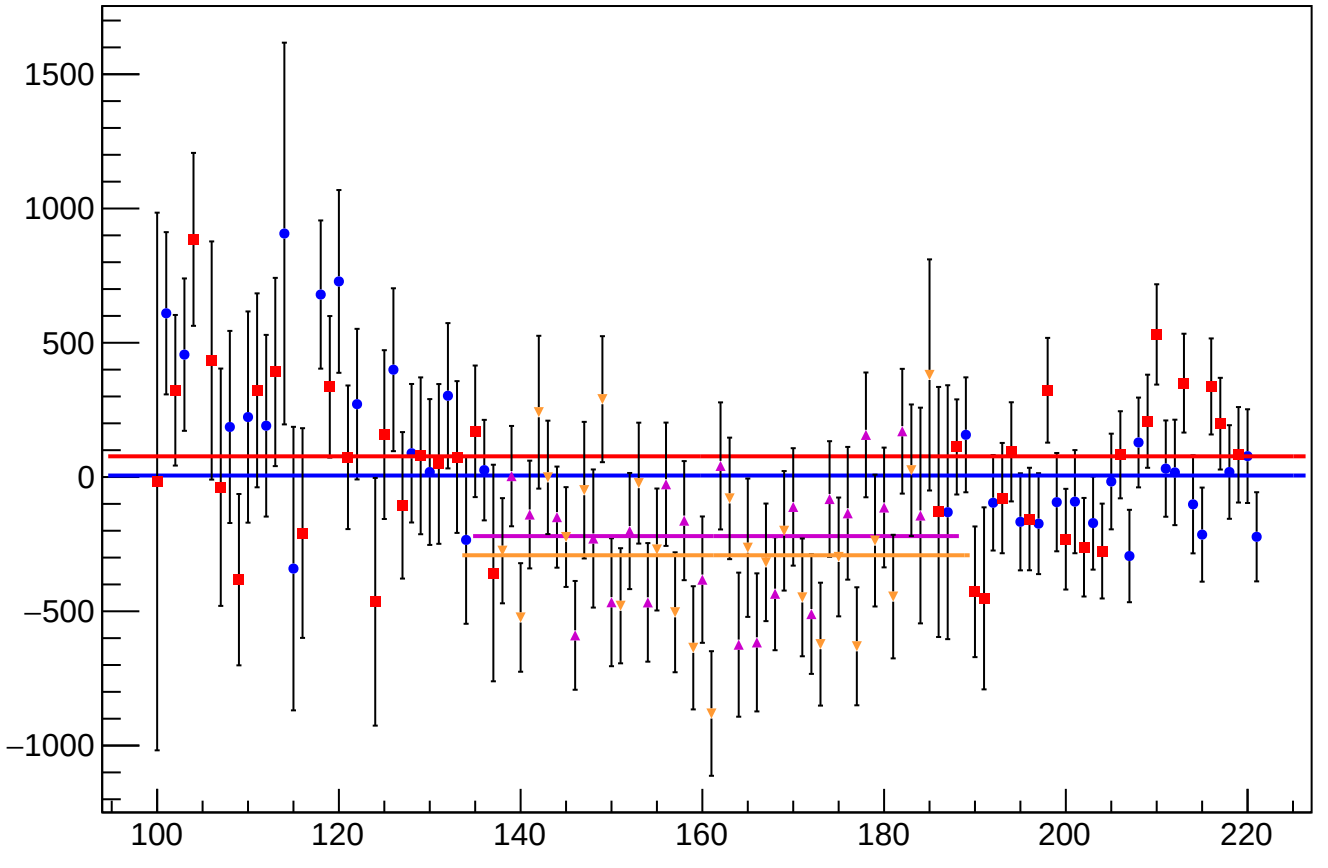
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2768.861+/-0.308 χ^2/NDF: 5785789.6/70

In: 1840.549+/-0.217 χ^2/NDF:8736492.2/56

Out: 1816.531+/-0.215 χ^2/NDF:10256974.3/61

All: 1828.426+/-0.153 χ^2/NDF: 18999626.5/1



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: 77.121+/-38.738 χ^2/NDF: 47.9/36

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

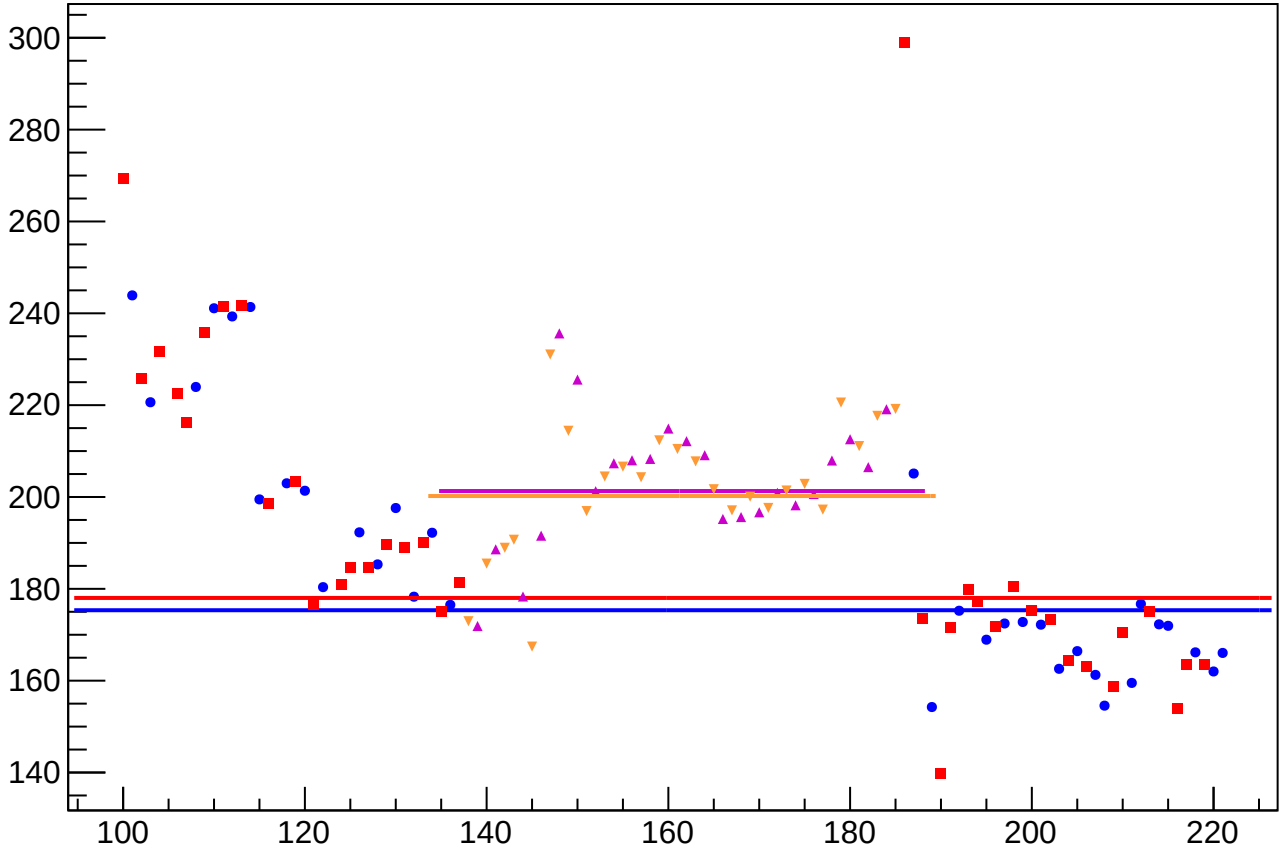
Right: 40.277+/-26.972 χ^2/NDF: 85.9/70

In: -82.033+/-29.386 χ^2/NDF:74.1/56

Out: -77.263+/-29.527 χ^2/NDF:122.1/61

All: -79.659+/-20.828 χ^2/NDF: 196.2/118

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: 178.018+/-0.027 χ^2/NDF: 707560.0/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

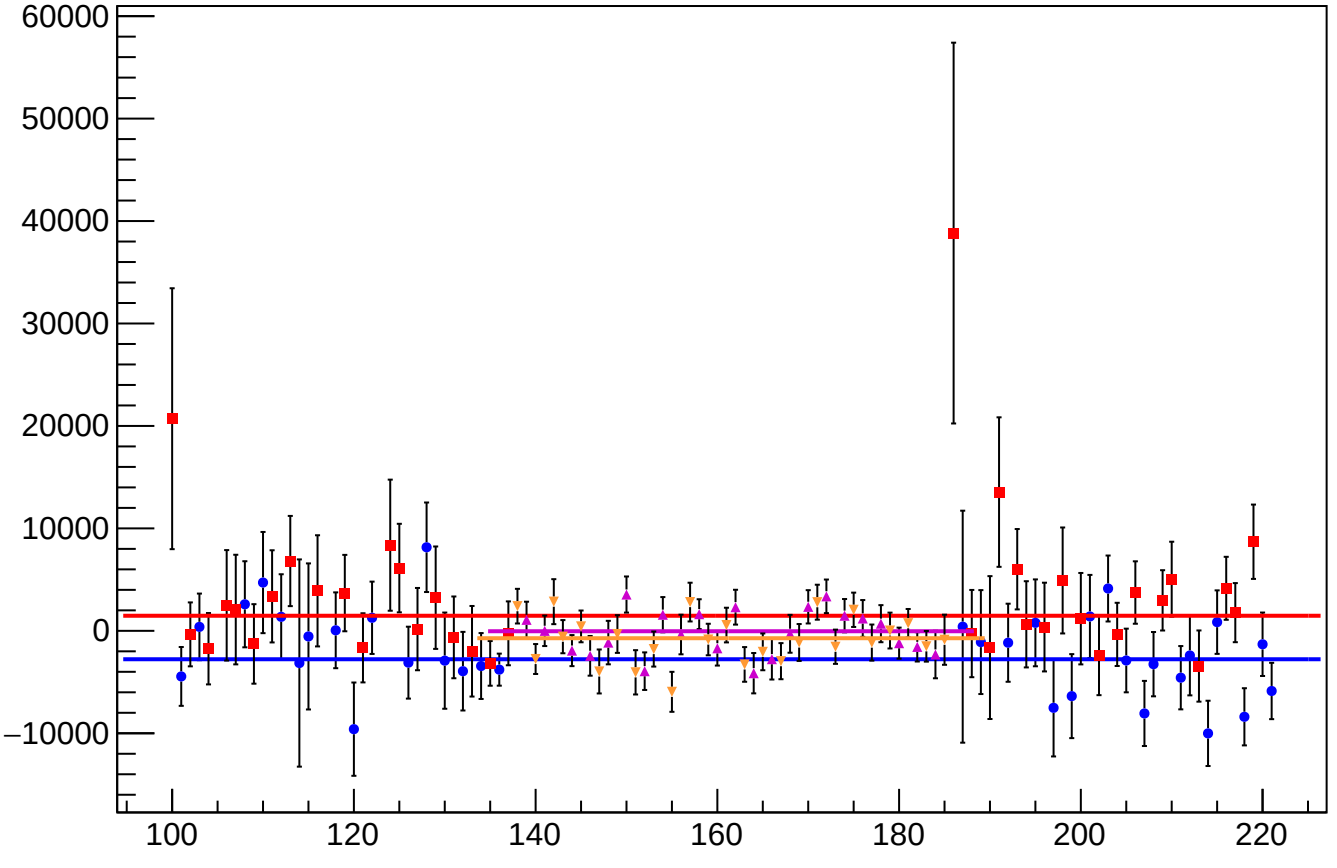
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.638+/-0.019 χ^2/NDF: 1245367.7/70

In: 185.424+/-0.021 χ^2/NDF:1085289.0/56

Out: 187.317+/-0.021 χ^2/NDF:1186986.1/61

All: 186.366+/-0.015 χ^2/NDF: 2276405.9/118



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: 1472.157+/-639.870 χ^2/NDF: 34.2/36

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

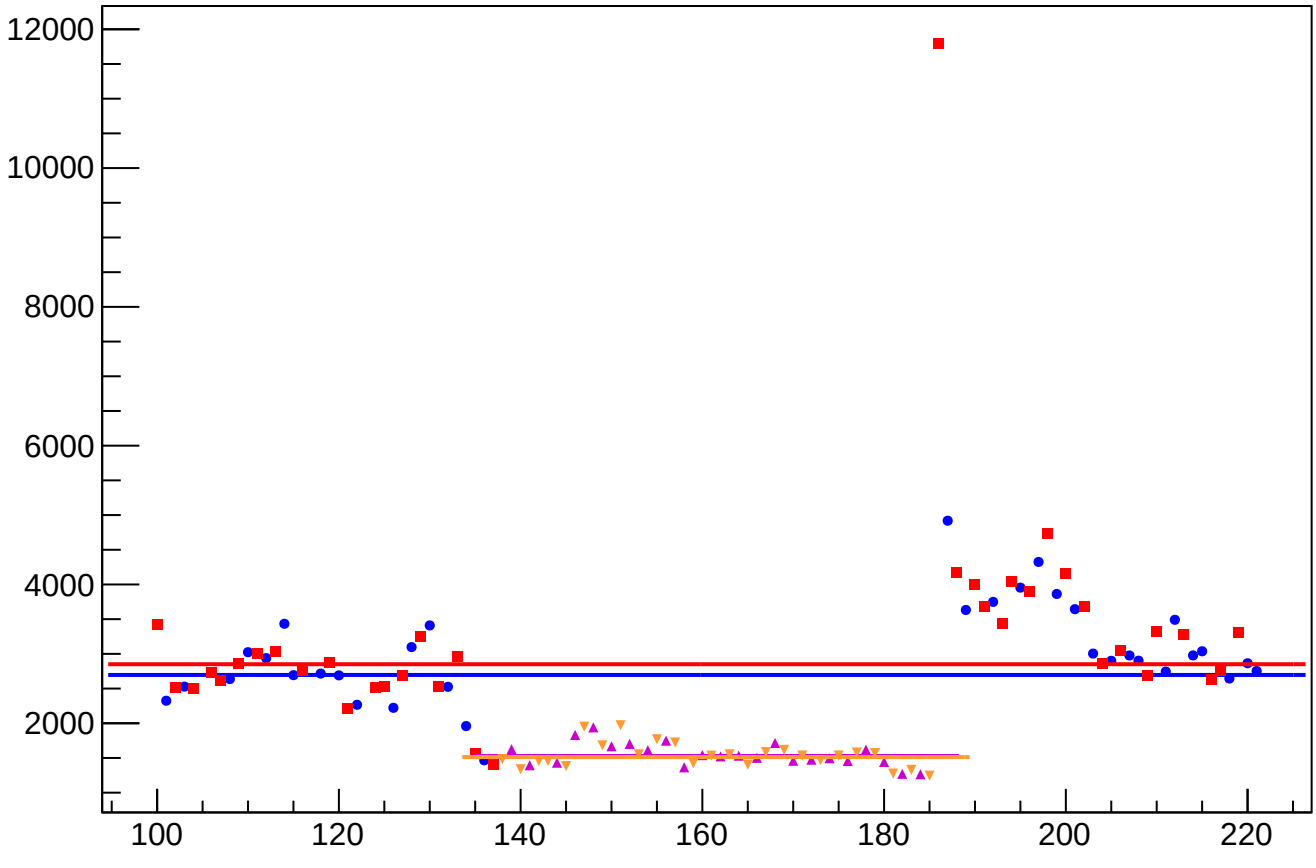
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -806.693+/-435.514 χ^2/NDF: 98.9/70

In: -770.783+/-307.474 χ^2/NDF:90.9/56

Out: -223.753+/-304.610 χ^2/NDF:81.6/61

All: -494.708+/-216.397 χ^2/NDF: 174.1/118



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: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

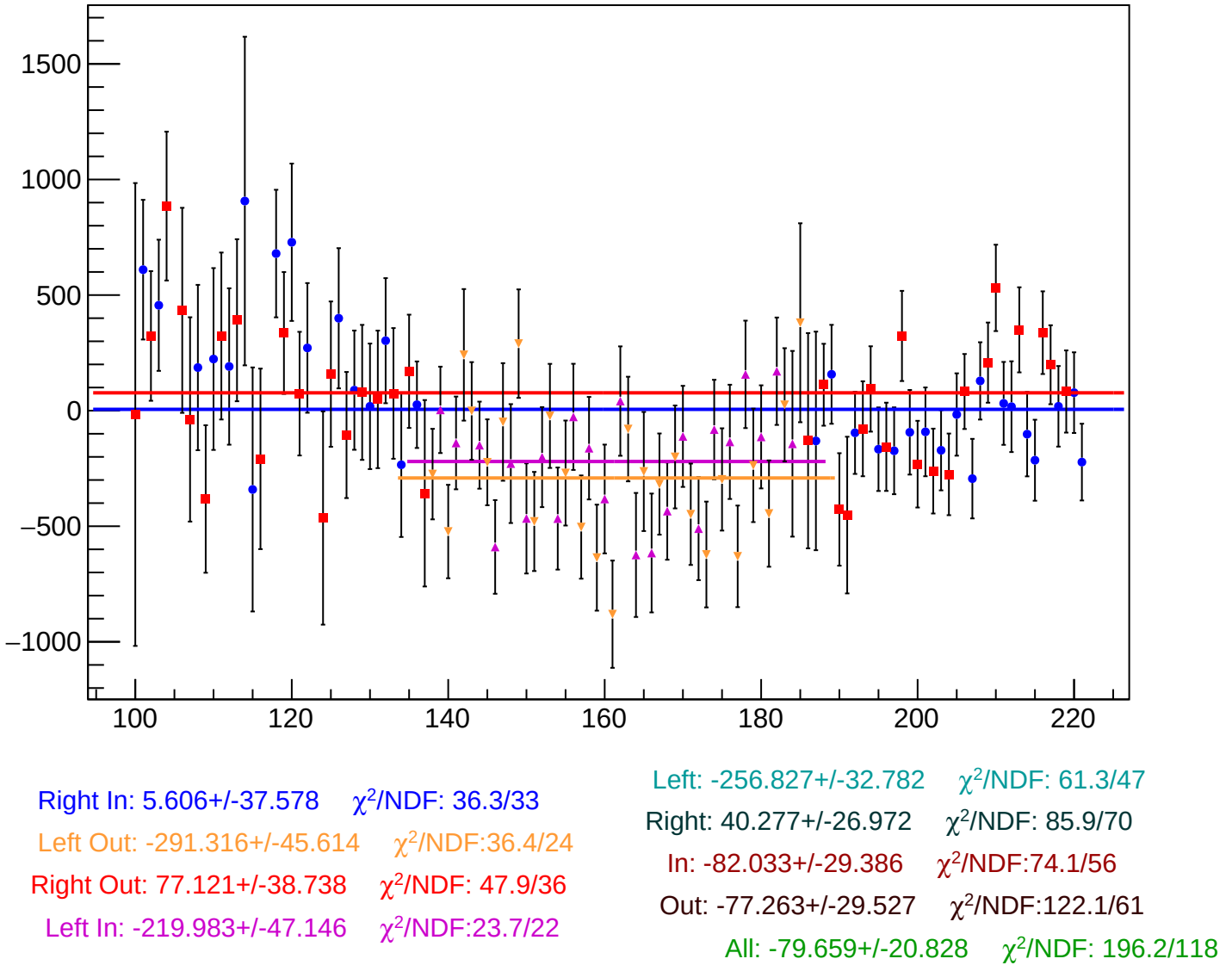
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2767.918+/-0.308 χ^2/NDF: 5785019.6/70

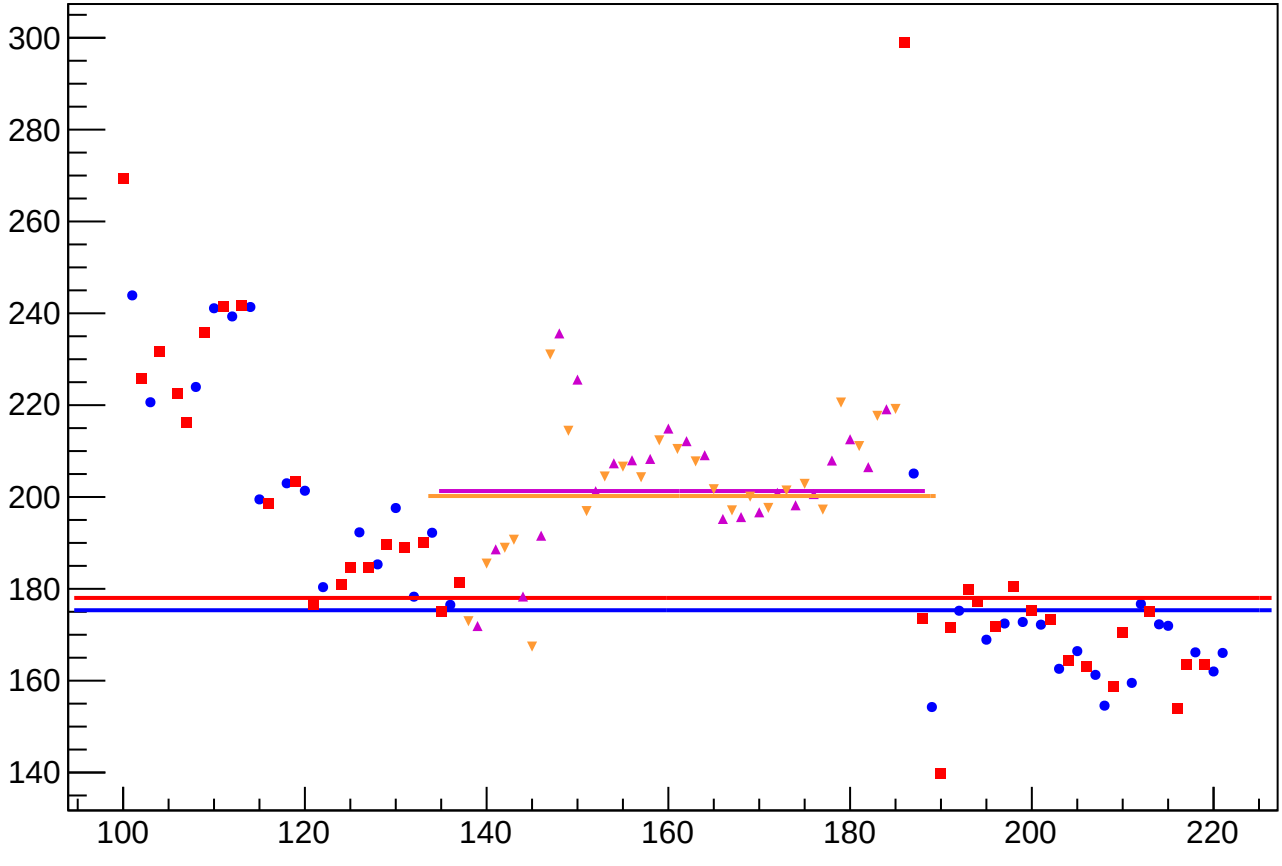
In: 1840.550+/-0.217 χ^2/NDF:8736500.8/56

Out: 1815.692+/-0.215 χ^2/NDF:10229484.4/61

All: 1828.005+/-0.153 χ^2/NDF: 18972582.4/1


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: 77.121+/-38.738 χ²/NDF: 47.9/36
Left In: -219.983+/-47.146 χ²/NDF:23.7/22
Left: -256.827+/-32.782 χ²/NDF: 61.3/47
Right: 40.277+/-26.972 χ²/NDF: 85.9/70
In: -82.033+/-29.386 χ²/NDF:74.1/56
Out: -77.263+/-29.527 χ²/NDF:122.1/61
All: -79.659+/-20.828 χ²/NDF: 196.2/118

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: 178.018+/-0.027 χ^2/NDF: 707560.0/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

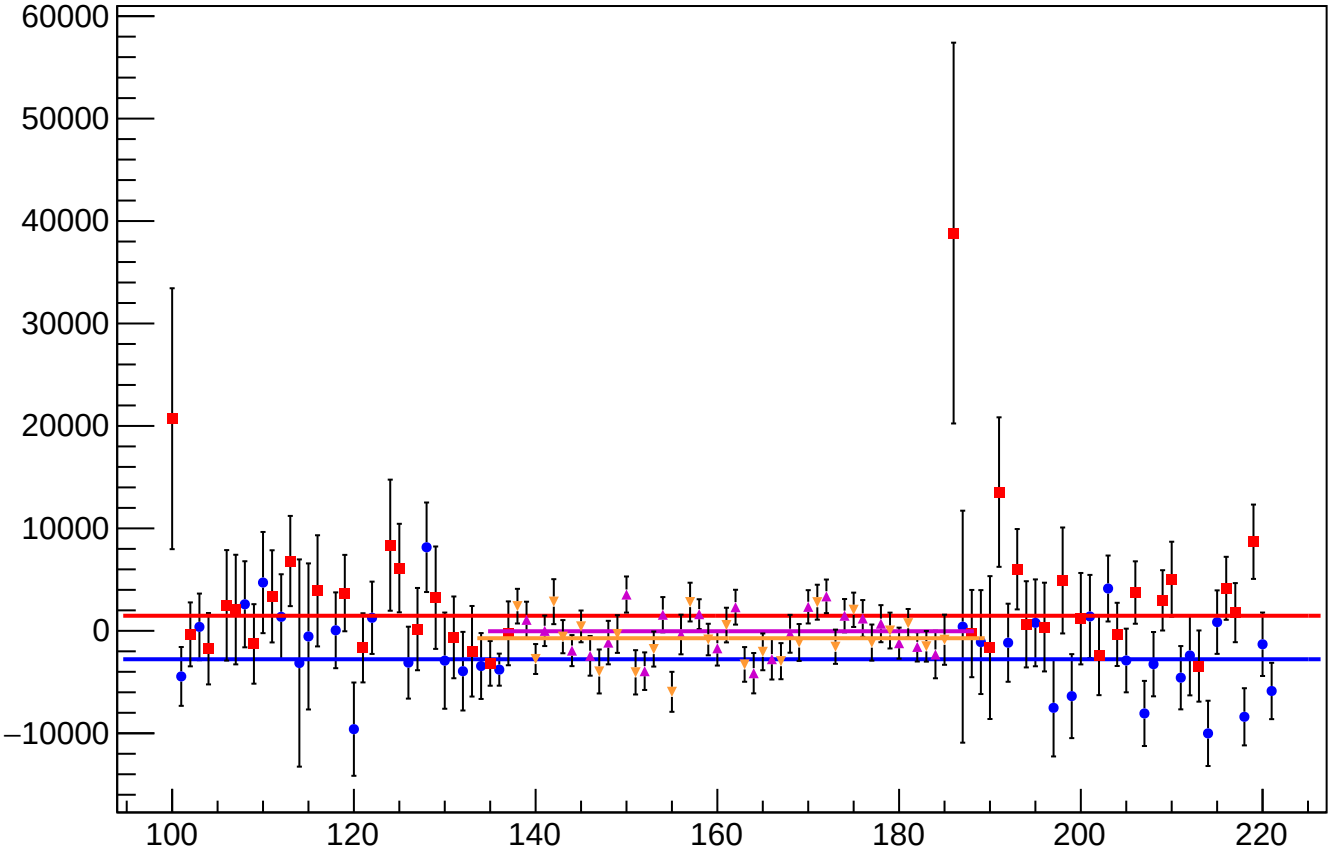
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.638+/-0.019 χ^2/NDF: 1245367.7/70

In: 185.424+/-0.021 χ^2/NDF:1085289.0/56

Out: 187.317+/-0.021 χ^2/NDF:1186986.1/61

All: 186.366+/-0.015 χ^2/NDF: 2276405.9/118



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: 1472.157+/-639.870 χ^2/NDF: 34.2/36

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

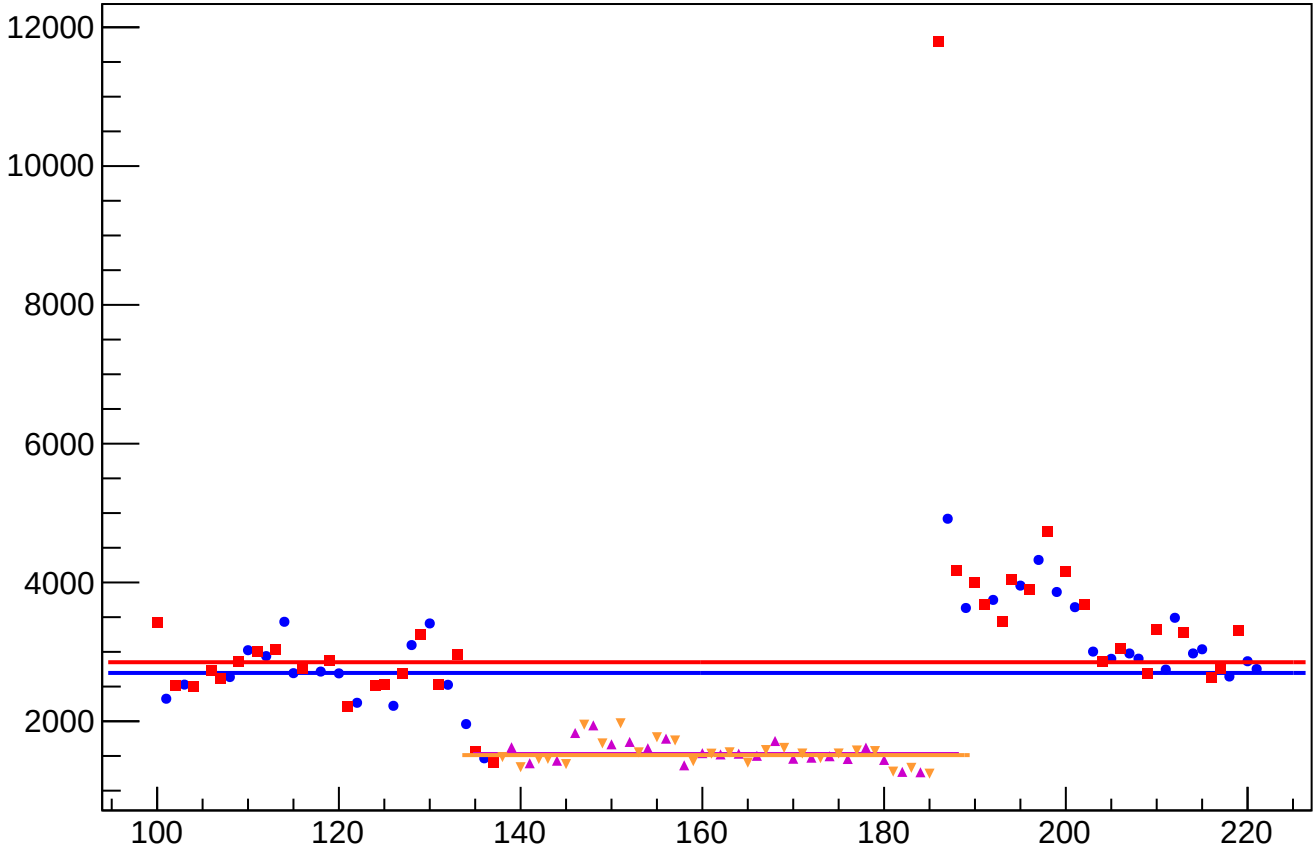
Right: -806.693+/-435.514 χ^2/NDF: 98.9/70

In: -770.783+/-307.474 χ^2/NDF:90.9/56

Out: -223.753+/-304.610 χ^2/NDF:81.6/61

All: -494.708+/-216.397 χ^2/NDF: 174.1/118

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

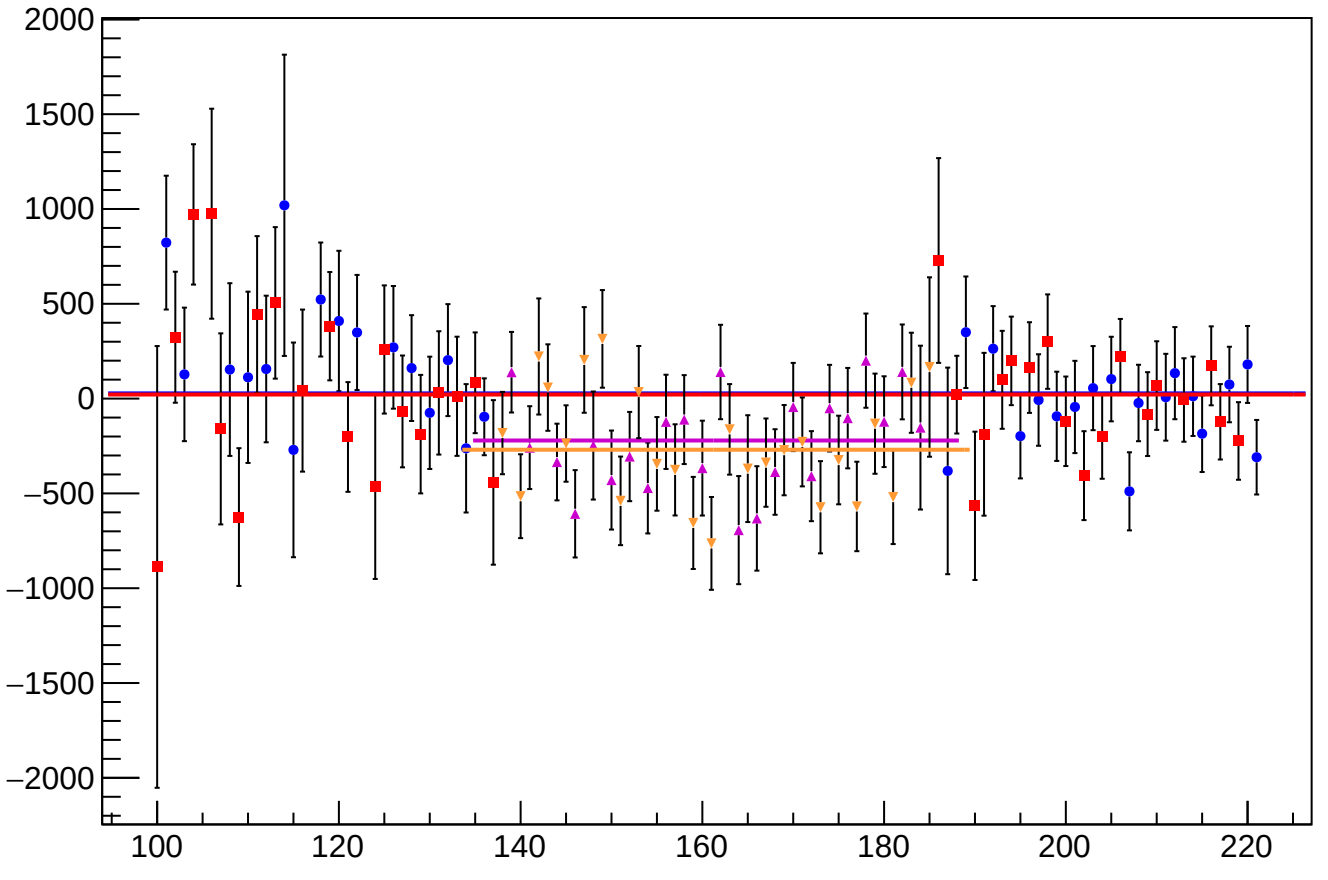
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2767.918+/-0.308 χ^2/NDF: 5785019.6/70

In: 1840.550+/-0.217 χ^2/NDF:8736500.8/56

Out: 1815.692+/-0.215 χ^2/NDF:10229484.4/61

All: 1828.005+/-0.153 χ^2/NDF: 18972582.4/1



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: 21.498+/-46.334 χ^2/NDF: 37.1/36

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

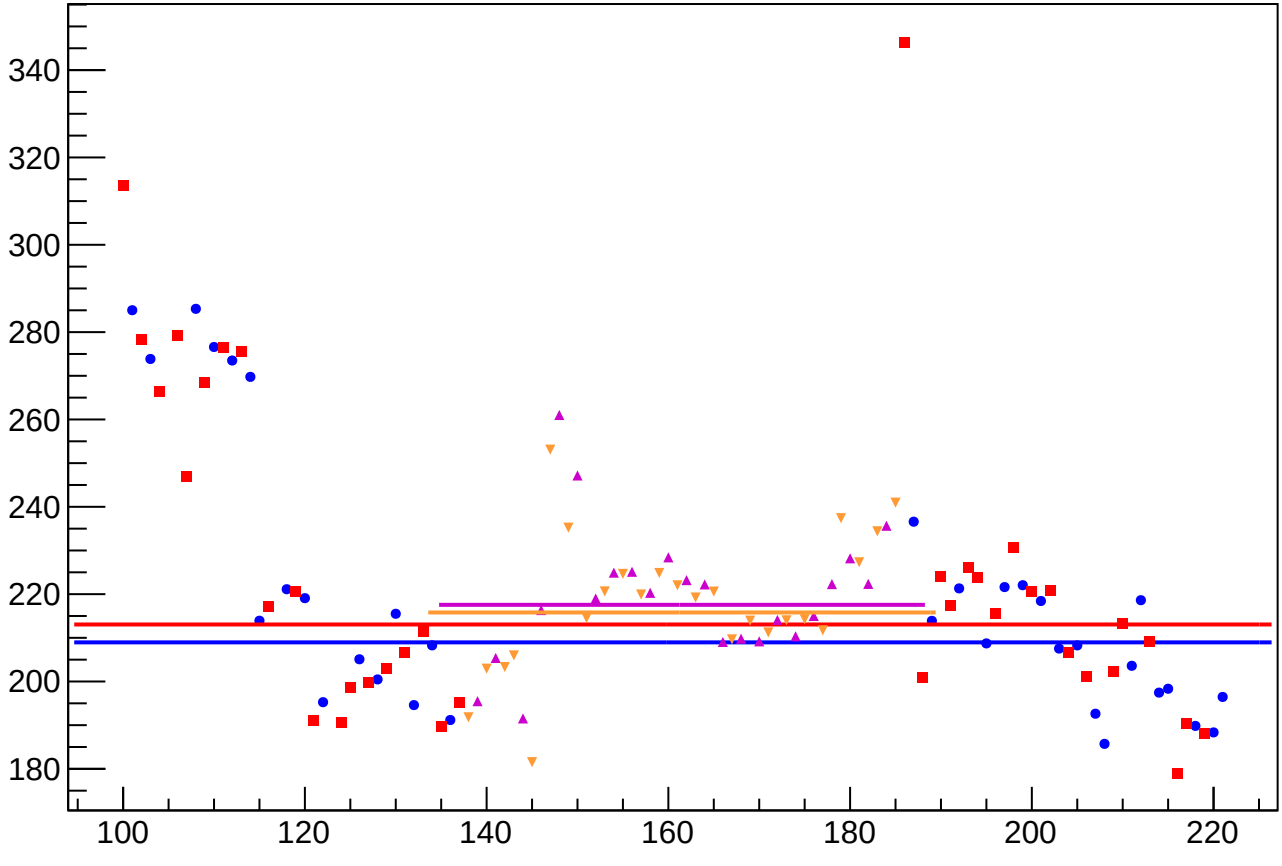
Right: 24.604+/-32.193 χ^2/NDF: 67.2/70

In: -80.708+/-33.630 χ^2/NDF:66.9/56

Out: -115.487+/-33.717 χ^2/NDF:87.1/61

All: -98.052+/-23.811 χ^2/NDF: 154.5/118

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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: 213.055+/-0.033 χ^2/NDF: 631983.6/36

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

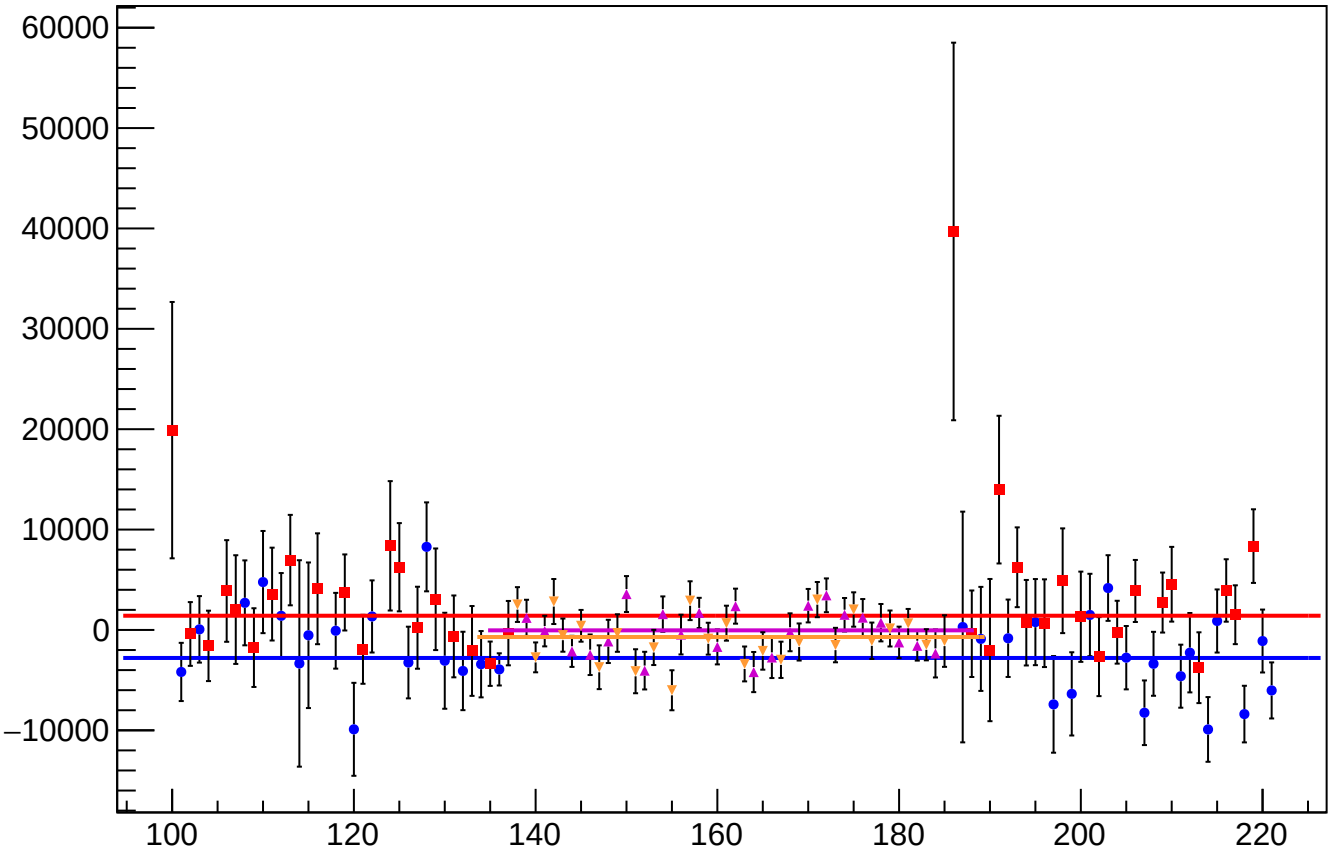
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

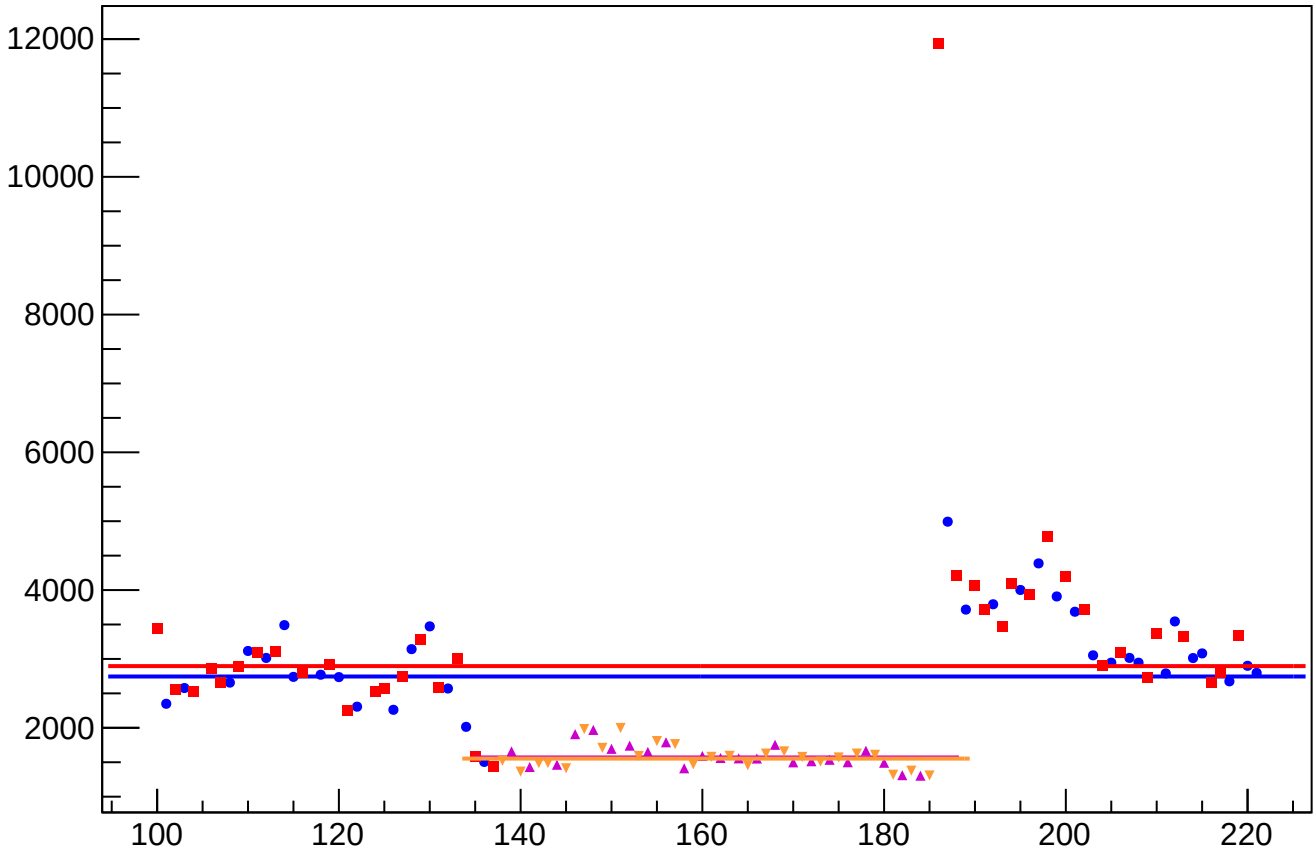
Right: 210.936+/-0.023 χ^2/NDF: 1130476.5/70

In: 212.703+/-0.024 χ^2/NDF:683601.7/56

Out: 214.349+/-0.024 χ^2/NDF:824001.9/61

All: 213.524+/-0.017 χ^2/NDF: 1509994.6/118


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2791.211+/-604.565 χ²/NDF: 40.6/33
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 1416.346+/-648.612 χ²/NDF: 34.5/36
Left In: -39.658+/-368.873 χ²/NDF:34.3/22
Left: -384.132+/-255.960 χ²/NDF: 73.6/47
Right: -835.137+/-442.245 χ²/NDF: 97.6/70
In: -786.114+/-314.888 χ²/NDF:90.0/56
Out: -214.269+/-311.720 χ²/NDF:80.3/61
All: -497.300+/-221.531 χ²/NDF: 172.0/118



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: 2895.823+/-0.459 χ^2/NDF: 2976730.2/36

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

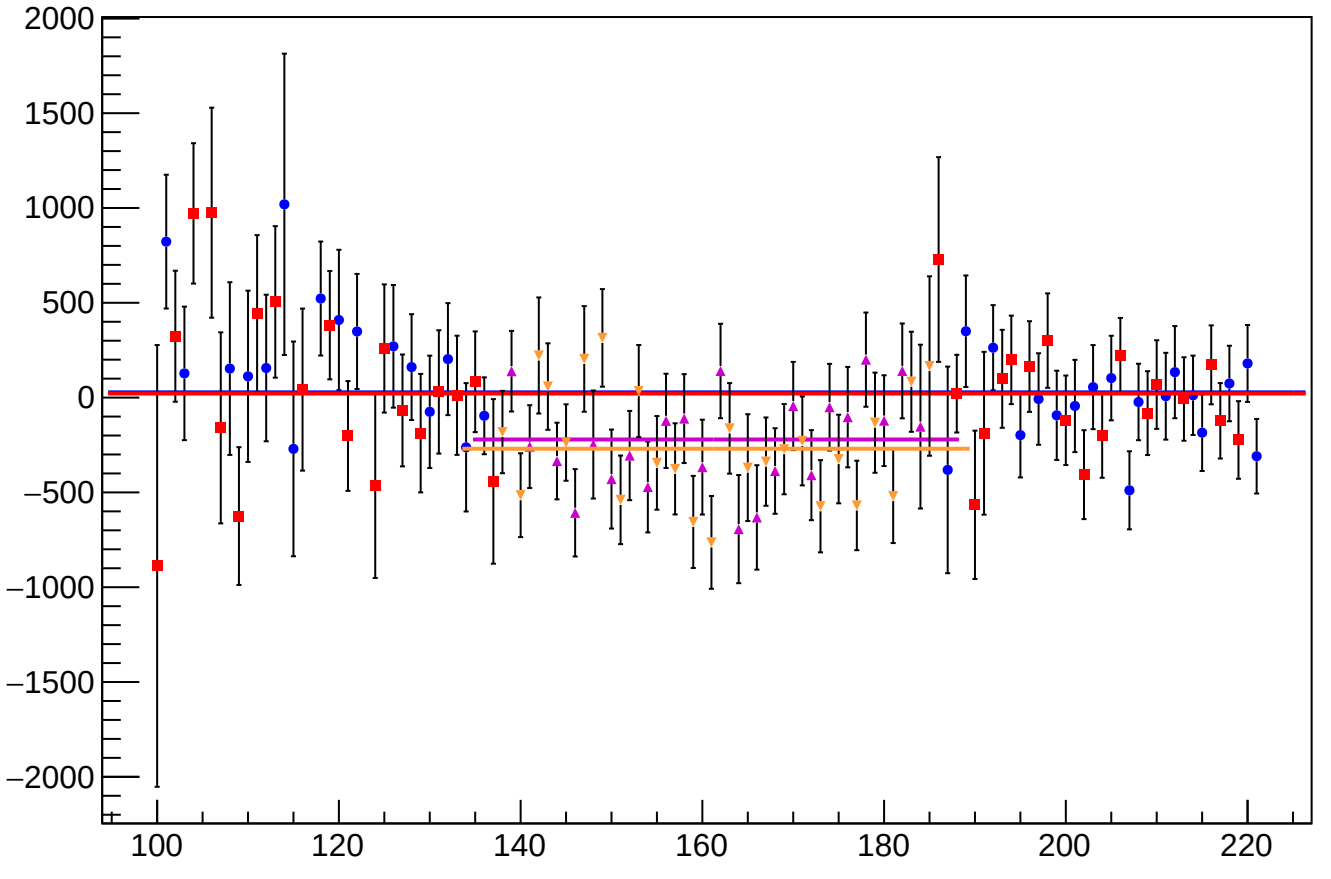
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2815.126+/-0.313 χ^2/NDF: 5668521.9/70

In: 1888.315+/-0.223 χ^2/NDF:8502615.1/56

Out: 1863.169+/-0.220 χ^2/NDF:9978820.5/61

All: 1875.615+/-0.157 χ^2/NDF: 18487877.5/1



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: 21.496+/-46.334 χ^2/NDF: 37.1/36

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

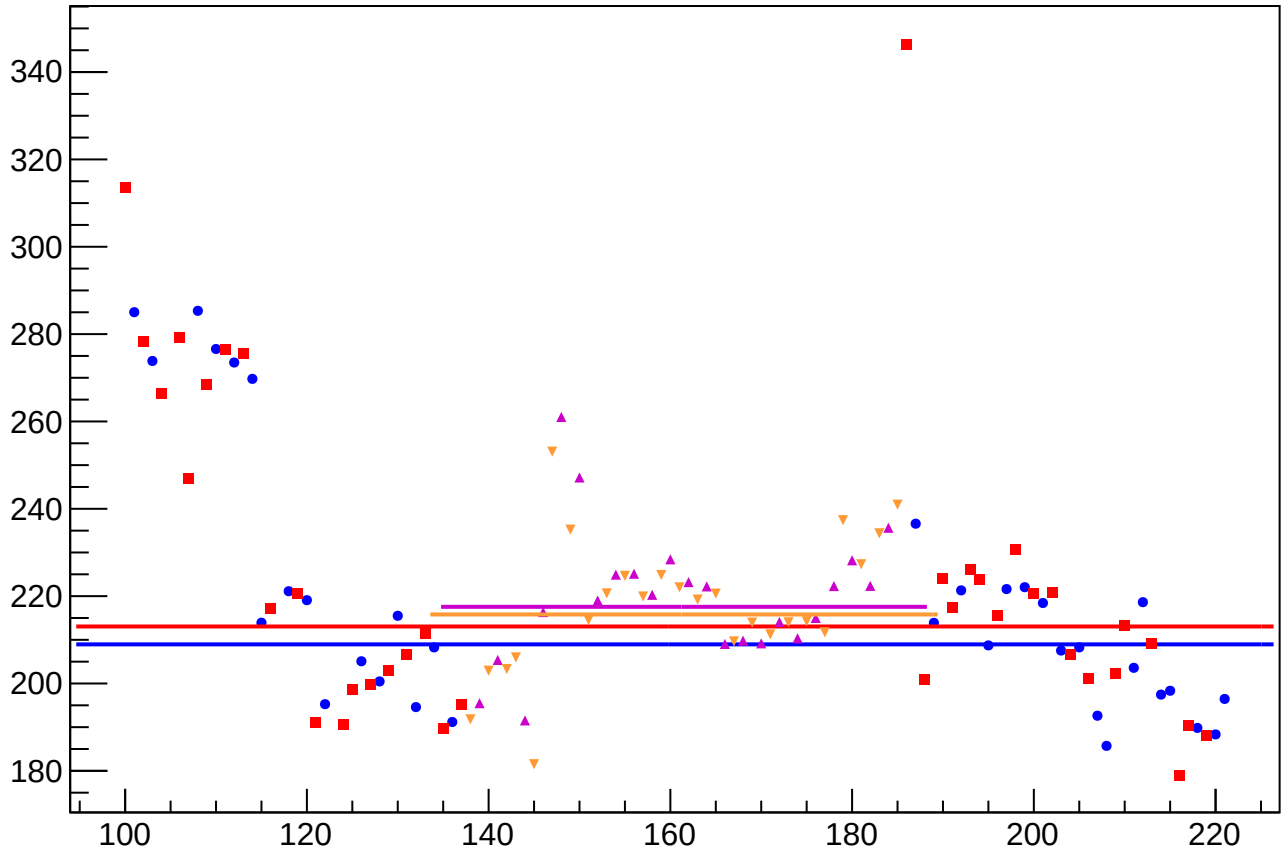
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 24.605+/-32.193 χ^2/NDF: 67.2/70

In: -80.705+/-33.630 χ^2/NDF:66.9/56

Out: -115.489+/-33.717 χ^2/NDF:87.1/61

All: -98.052+/-23.811 χ^2/NDF: 154.5/118



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: 213.054+/-0.033 χ^2/NDF: 631962.2/36

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

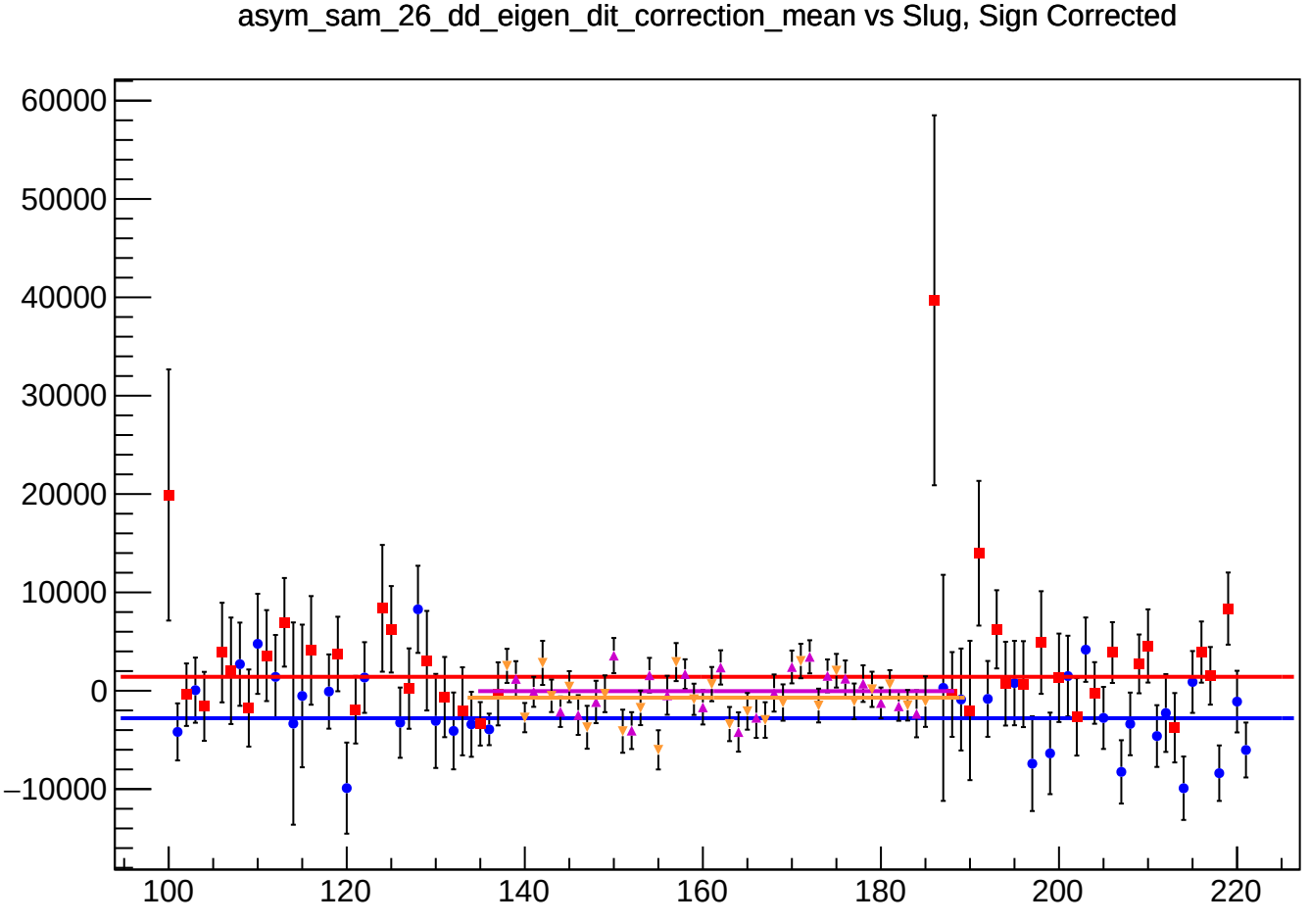
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 210.936+/-0.023 χ^2/NDF: 1130446.4/70

In: 212.702+/-0.024 χ^2/NDF:683596.5/56

Out: 214.349+/-0.024 χ^2/NDF:823985.1/61

All: 213.524+/-0.017 χ^2/NDF: 1509973.0/118



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: 1416.343+/-648.611 χ^2/NDF: 34.5/36

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

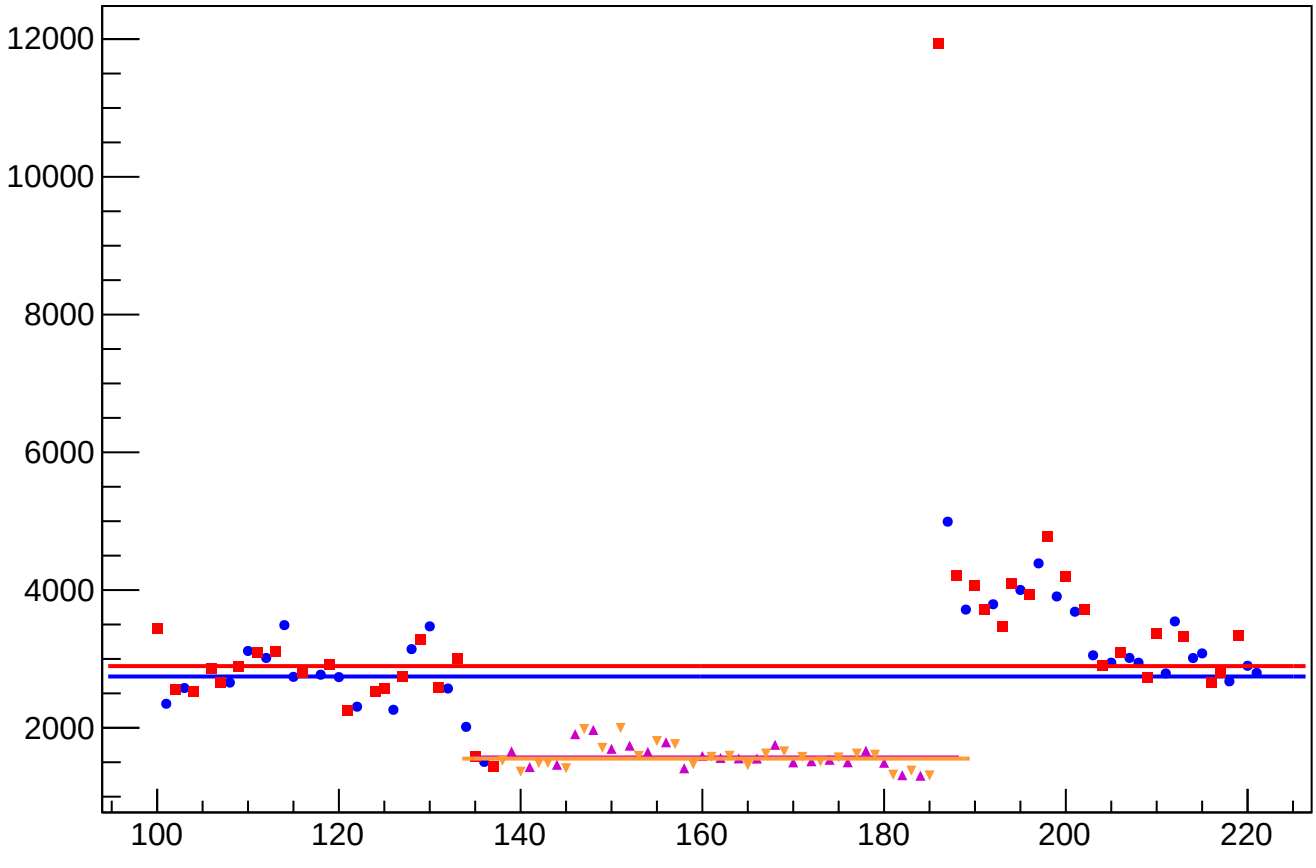
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -835.136+/-442.244 χ^2/NDF: 97.6/70

In: -786.113+/-314.888 χ^2/NDF:90.0/56

Out: -214.269+/-311.720 χ^2/NDF:80.3/61

All: -497.300+/-221.531 χ^2/NDF: 172.0/118



Right In: 2745.015+/-0.427 χ^2/NDF: 2633937.0/33

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2895.820+/-0.459 χ^2/NDF: 2976732.5/36

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

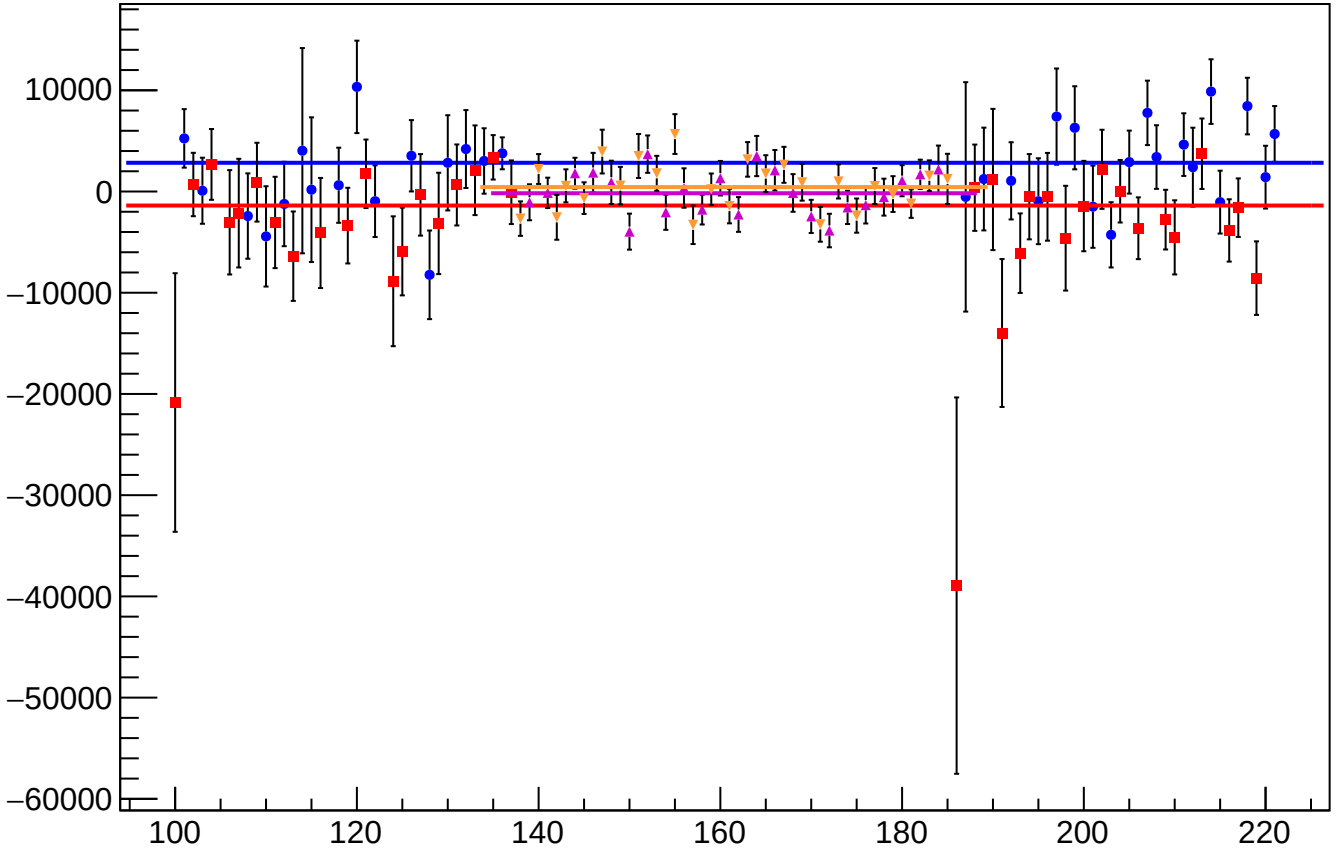
Right: 2815.124+/-0.313 χ^2/NDF: 5668523.2/70

In: 1888.315+/-0.223 χ^2/NDF:8502603.1/56

Out: 1863.169+/-0.220 χ^2/NDF:9978807.1/61

All: 1875.615+/-0.157 χ^2/NDF: 18487851.8/1

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: -1384.795+/-641.169 χ^2/NDF: 34.3/36

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

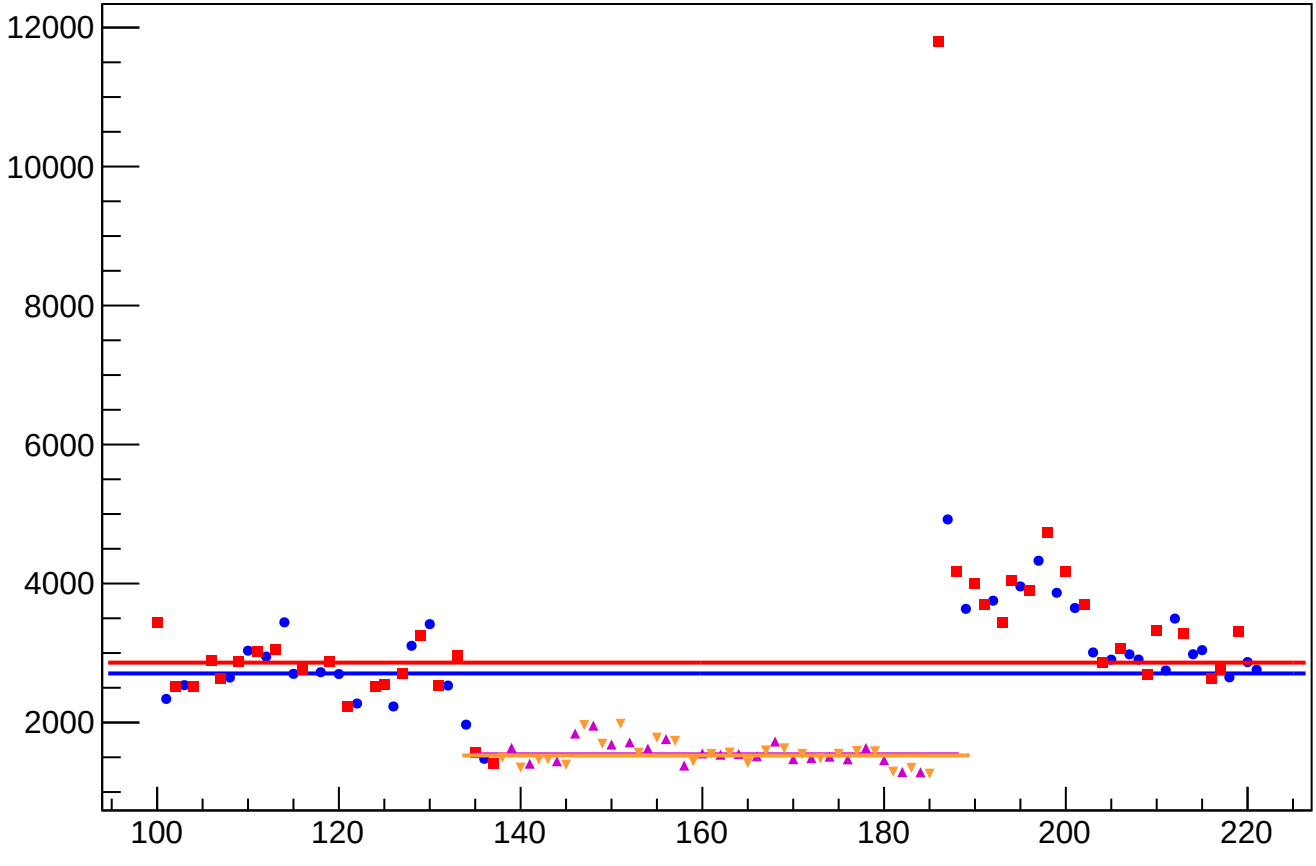
Right: 879.855+/-436.656 χ^2/NDF: 98.3/70

In: 642.133+/-309.788 χ^2/NDF:92.3/56

Out: 19.938+/-306.925 χ^2/NDF:79.4/61

All: 328.147+/-218.034 χ^2/NDF: 173.7/118

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: 2862.087+/-0.453 χ^2/NDF: 2984715.5/36

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

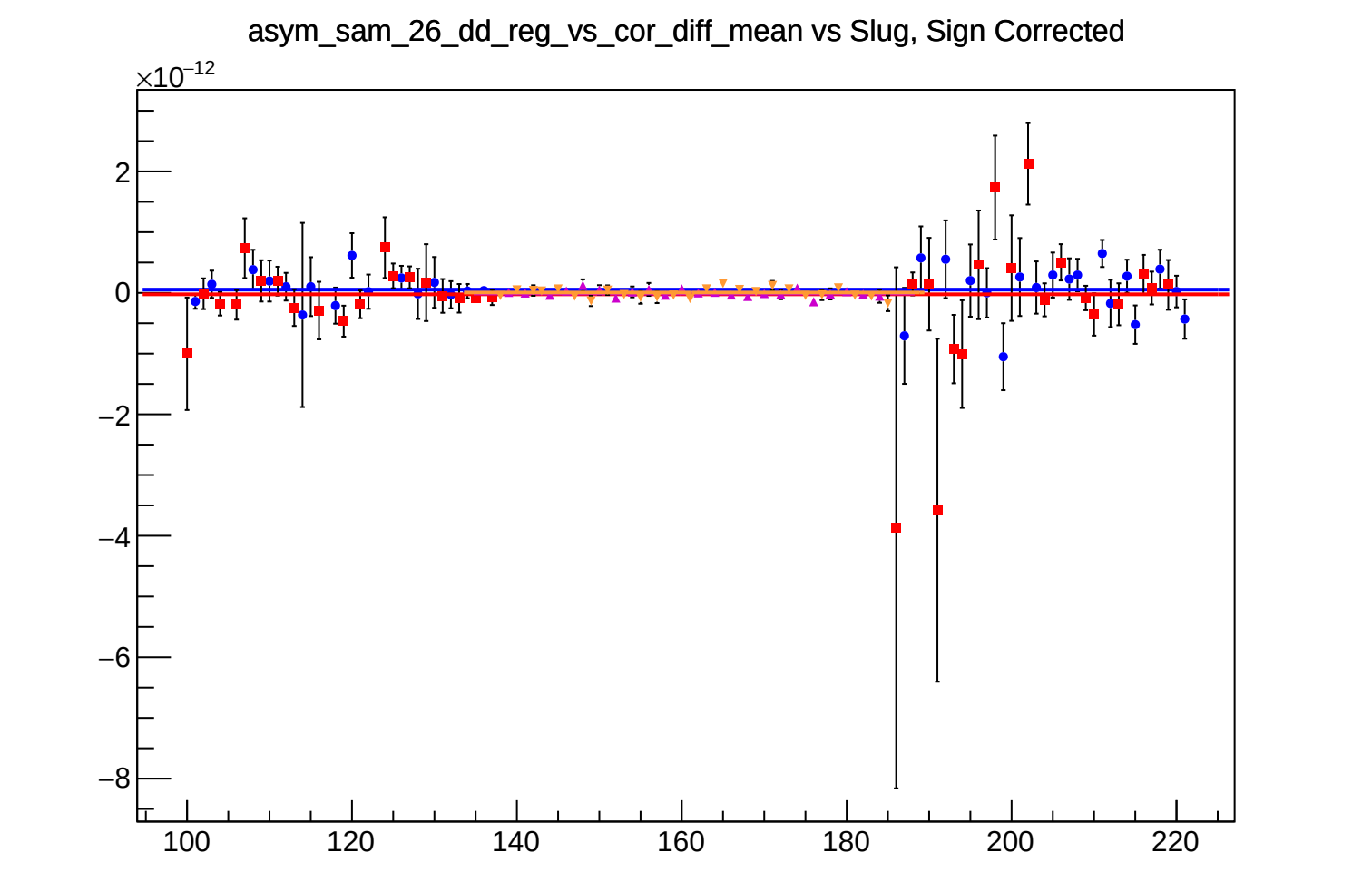
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2778.546+/-0.309 χ^2/NDF: 5709176.0/70

In: 1856.411+/-0.219 χ^2/NDF:8587466.9/56

Out: 1832.724+/-0.217 χ^2/NDF:10101498.6/61

All: 1844.457+/-0.154 χ^2/NDF: 18694865.8/1



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: 46.3/36

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

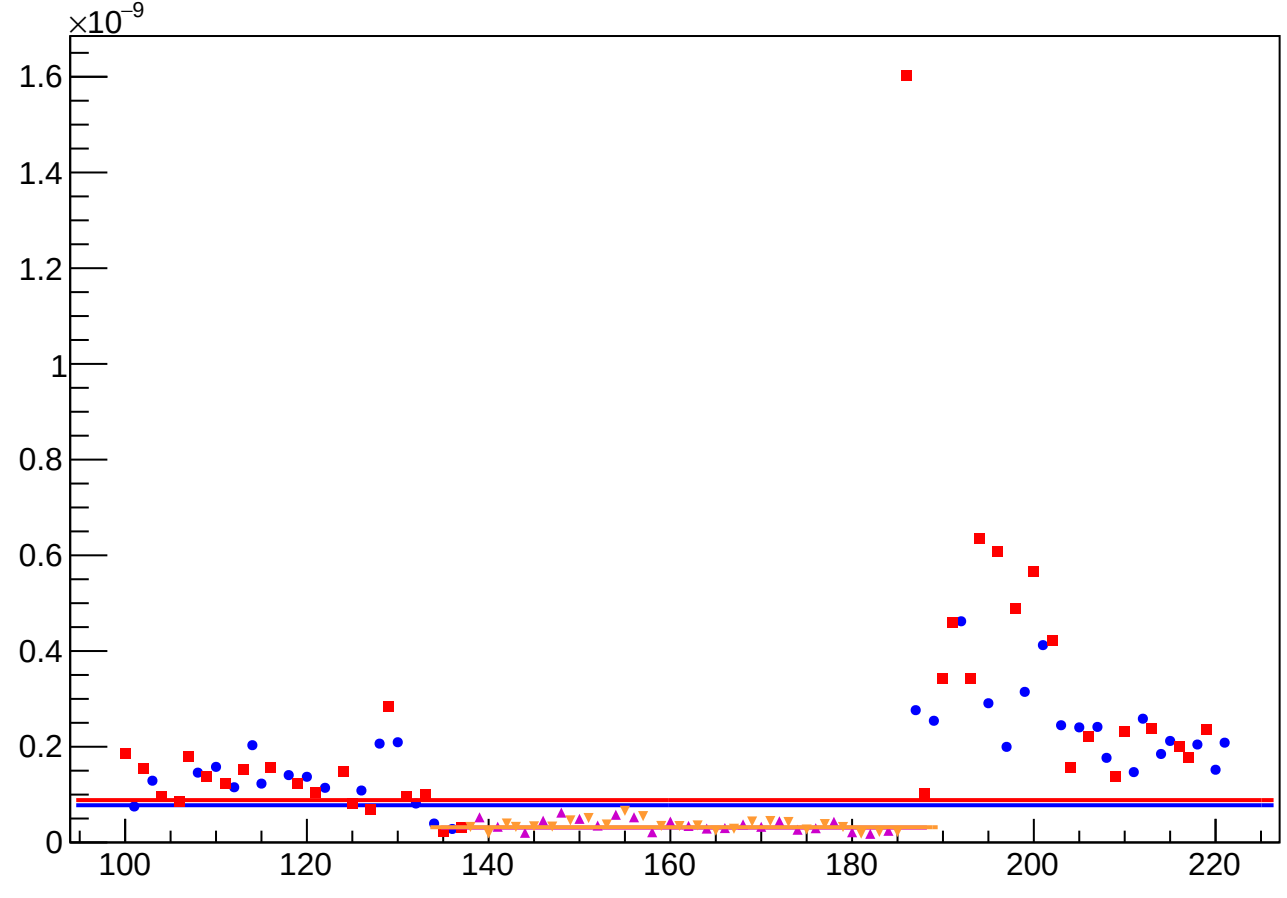
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 80.3/70

In: -0.000+/-0.000 χ^2/NDF:51.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.6/61

All: 0.000+/-0.000 χ^2/NDF: 129.6/118



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: 9125633.5/36

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

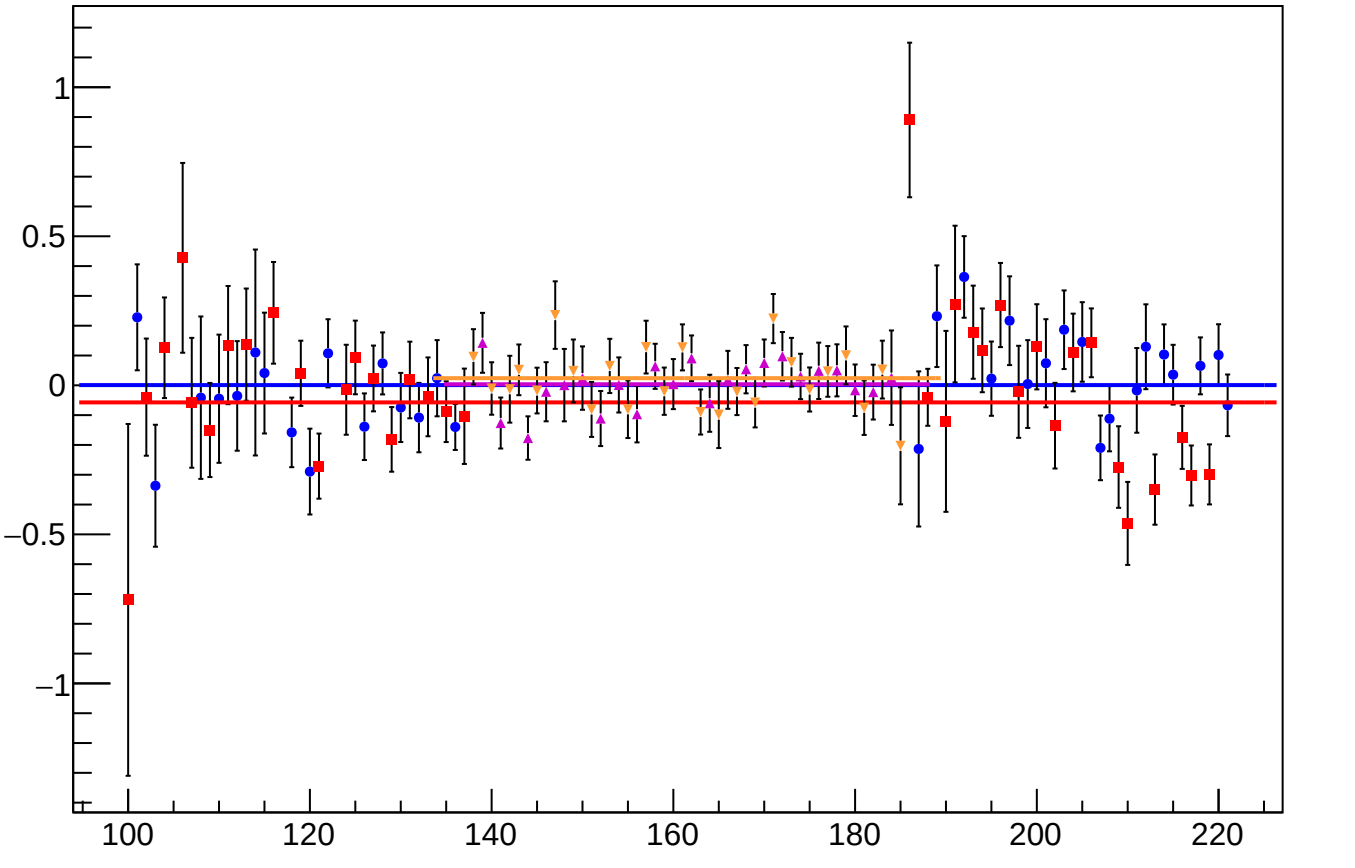
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18663826.3/70

In: 0.000+/-0.000 χ^2/NDF:14481470.2/56

Out: 0.000+/-0.000 χ^2/NDF:14260825.8/61

All: 0.000+/-0.000 χ^2/NDF: 28742320.4/118



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: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

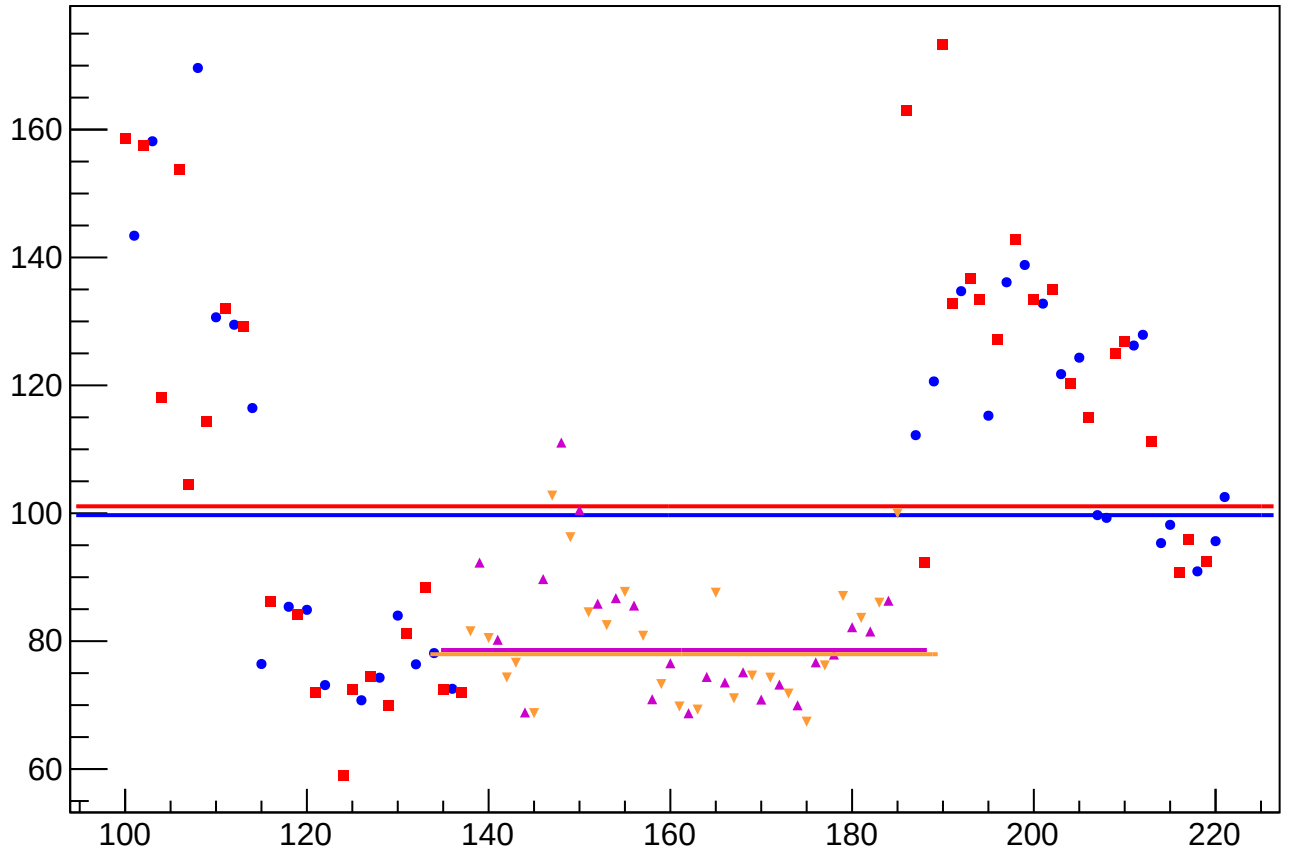
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.027+/-0.016 χ^2/NDF: 125.0/70

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.002+/-0.010 χ^2/NDF: 174.1/118



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: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

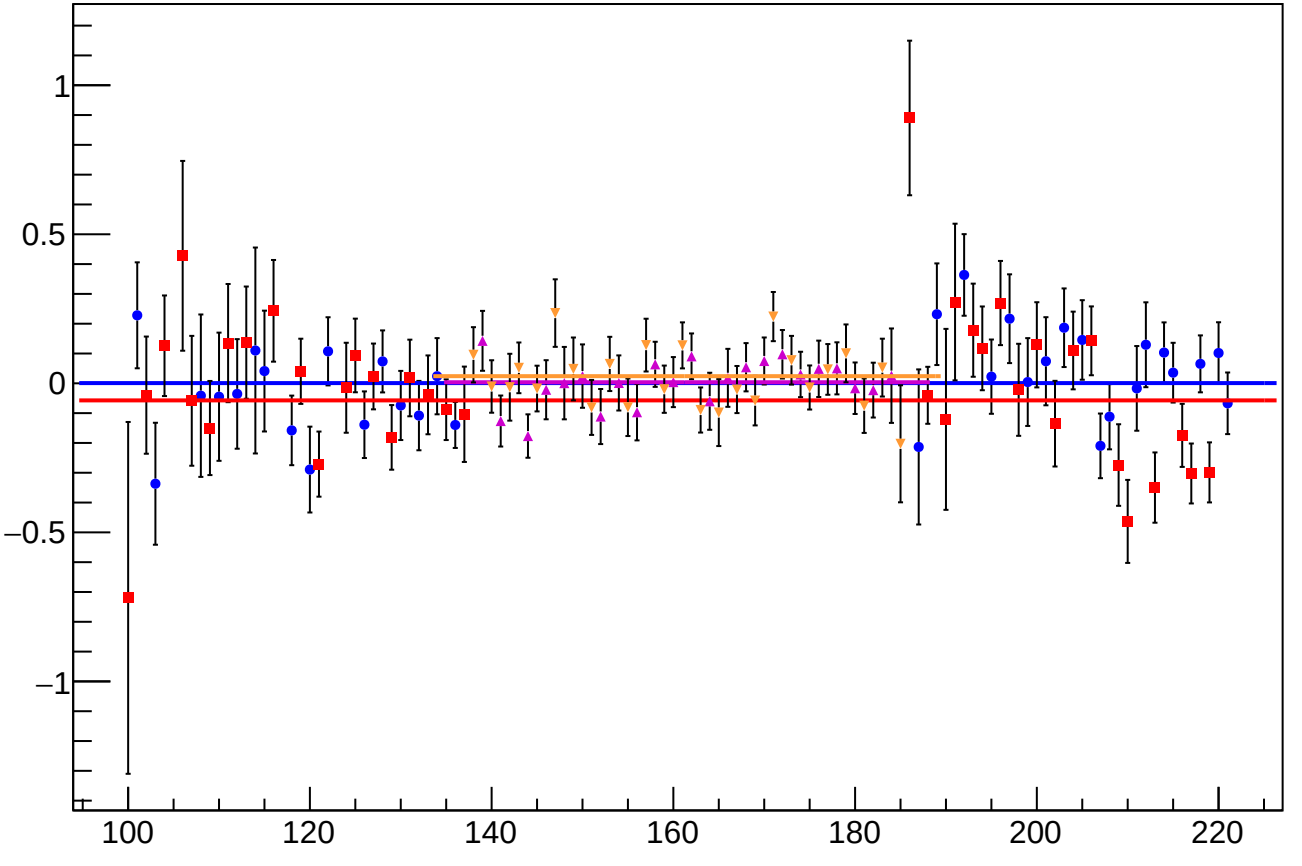
Right: 100.373+/-0.011 χ^2/NDF: 4809455.7/70

In: 87.422+/-0.010 χ^2/NDF:3807643.2/56

Out: 86.822+/-0.010 χ^2/NDF:4299448.2/61

All: 87.119+/-0.007 χ^2/NDF: 8108904.6/118

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

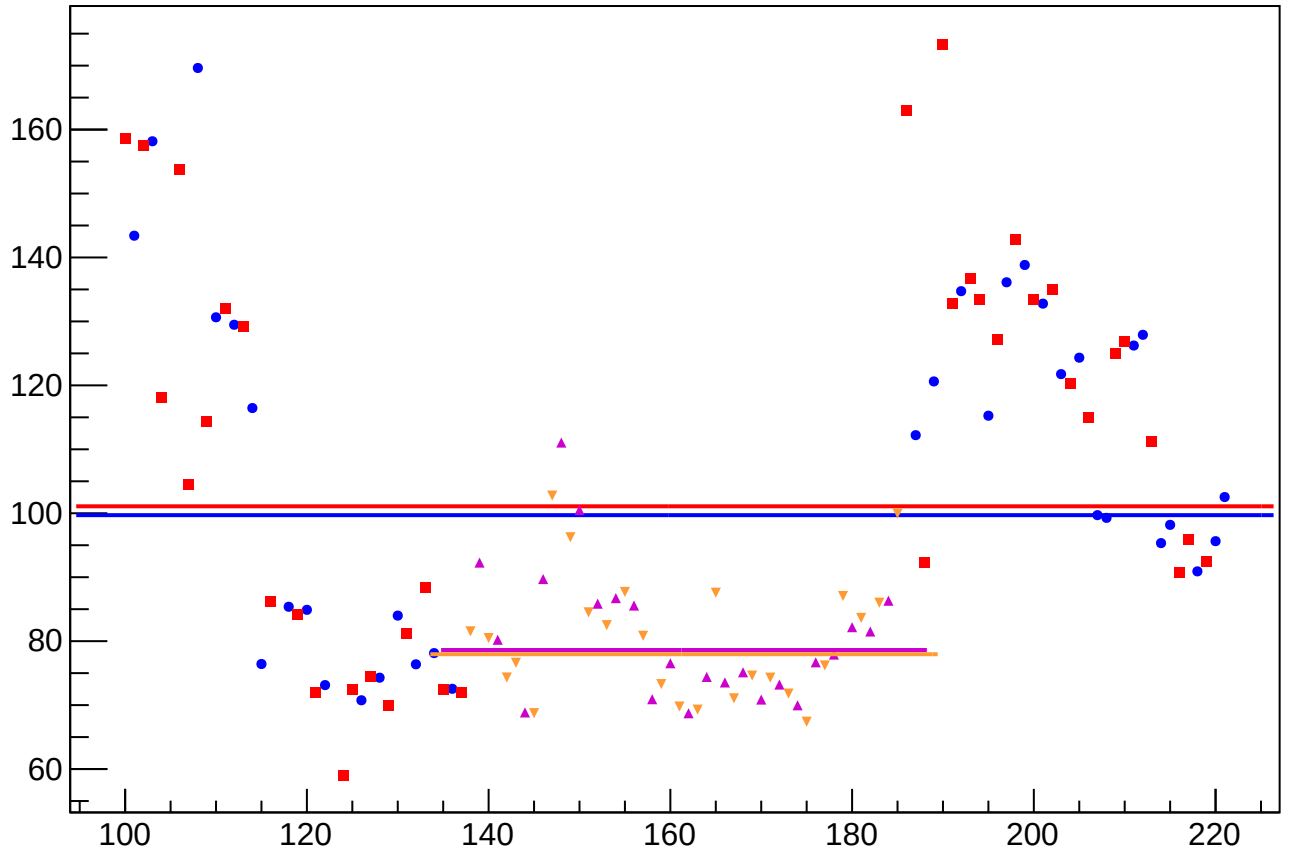
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.027+/-0.016 χ^2/NDF: 125.0/70

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.002+/-0.010 χ^2/NDF: 174.1/118



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: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

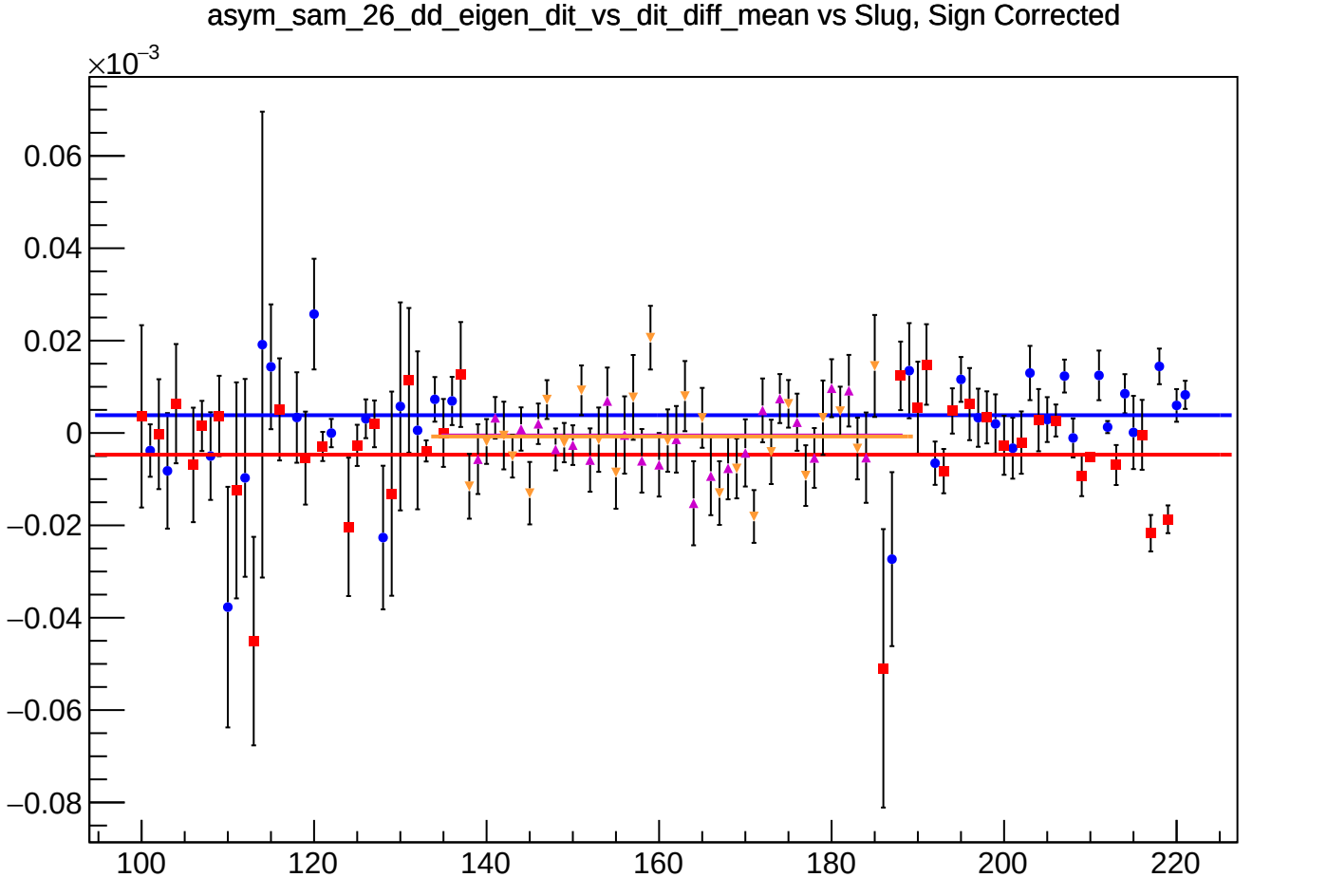
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

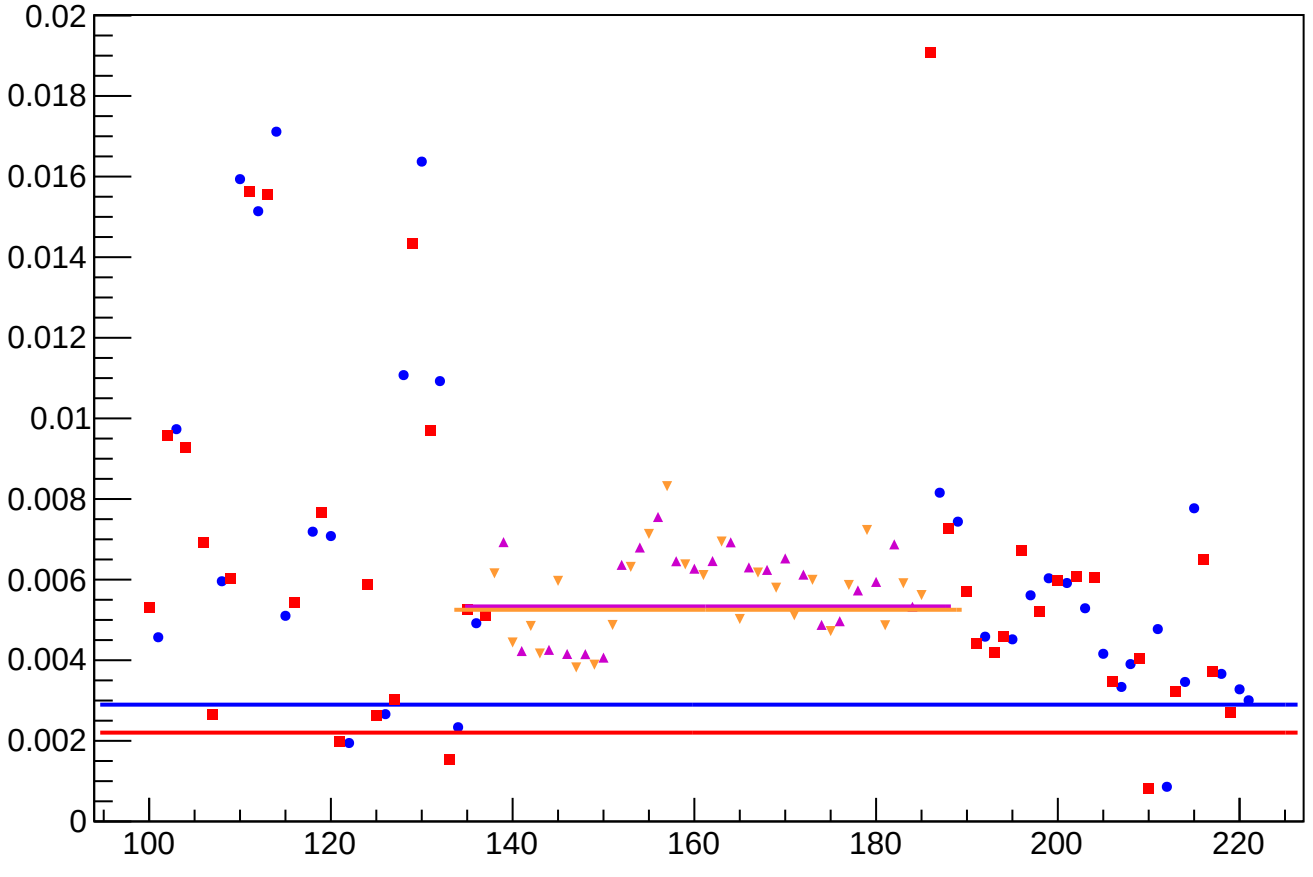
Right: 100.373+/-0.011 χ^2/NDF: 4809455.7/70

In: 87.422+/-0.010 χ^2/NDF:3807643.2/56

Out: 86.822+/-0.010 χ^2/NDF:4299448.2/61

All: 87.119+/-0.007 χ^2/NDF: 8108904.6/118


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: 85.1/36
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: 211.2/70
In: 0.000+/-0.000 χ²/NDF:82.9/56
Out: -0.000+/-0.000 χ²/NDF:140.7/61
All: -0.000+/-0.000 χ²/NDF: 277.6/118



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: 18466965.3/36

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

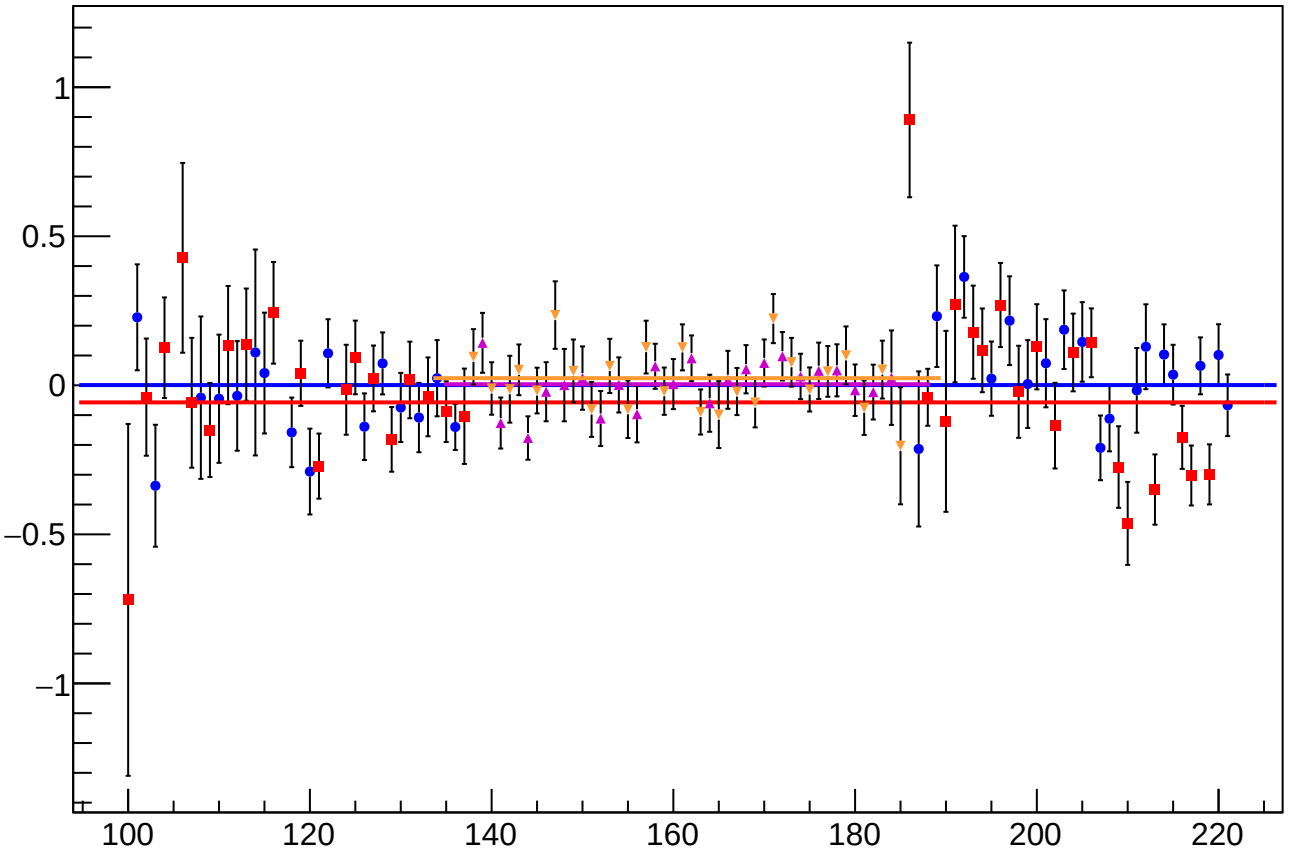
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.002+/-0.000 χ^2/NDF: 33491620.5/70

In: 0.004+/-0.000 χ^2/NDF:20889270.6/56

Out: 0.003+/-0.000 χ^2/NDF:29612664.9/61

All: 0.003+/-0.000 χ^2/NDF: 51658371.2/118



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: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

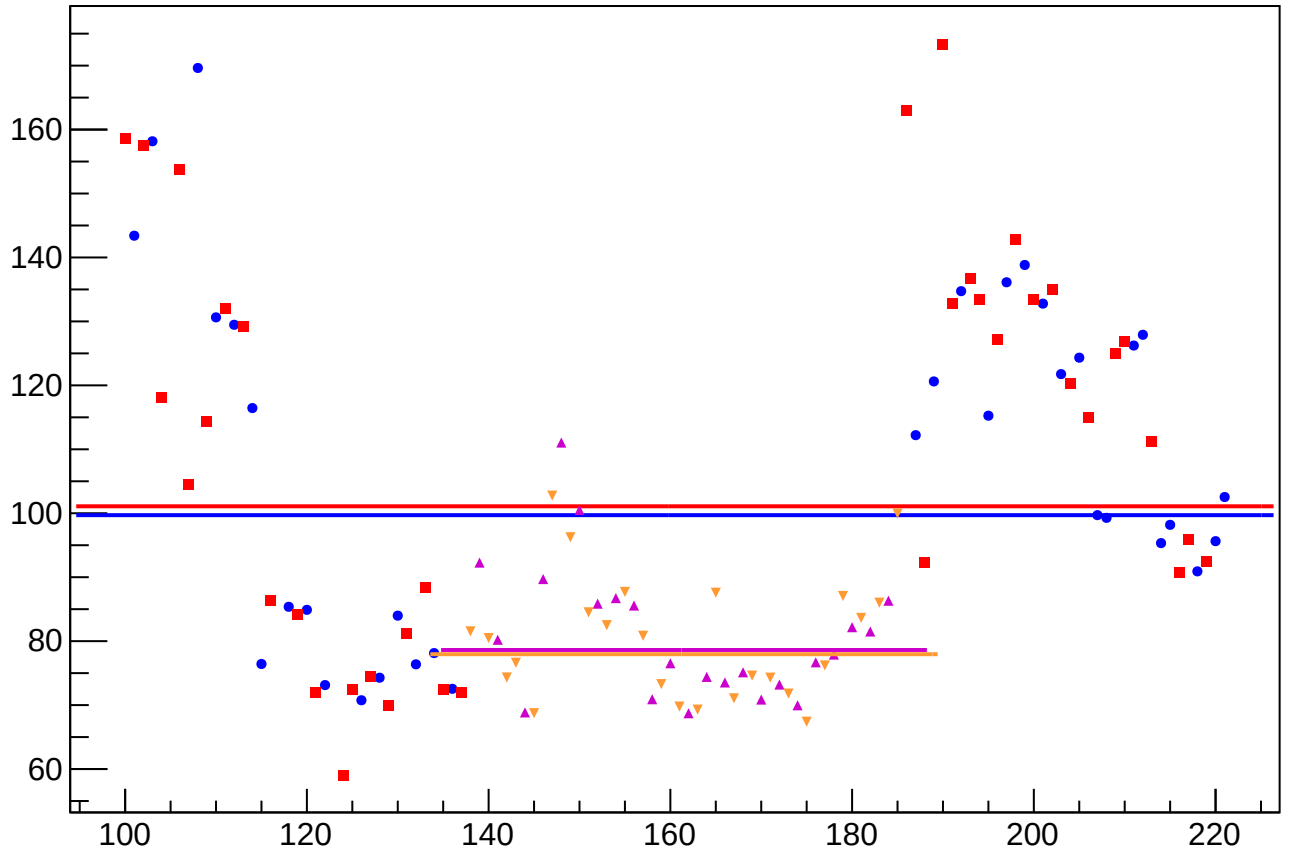
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.027+/-0.016 χ^2/NDF: 125.0/70

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.002+/-0.010 χ^2/NDF: 174.2/118



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: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

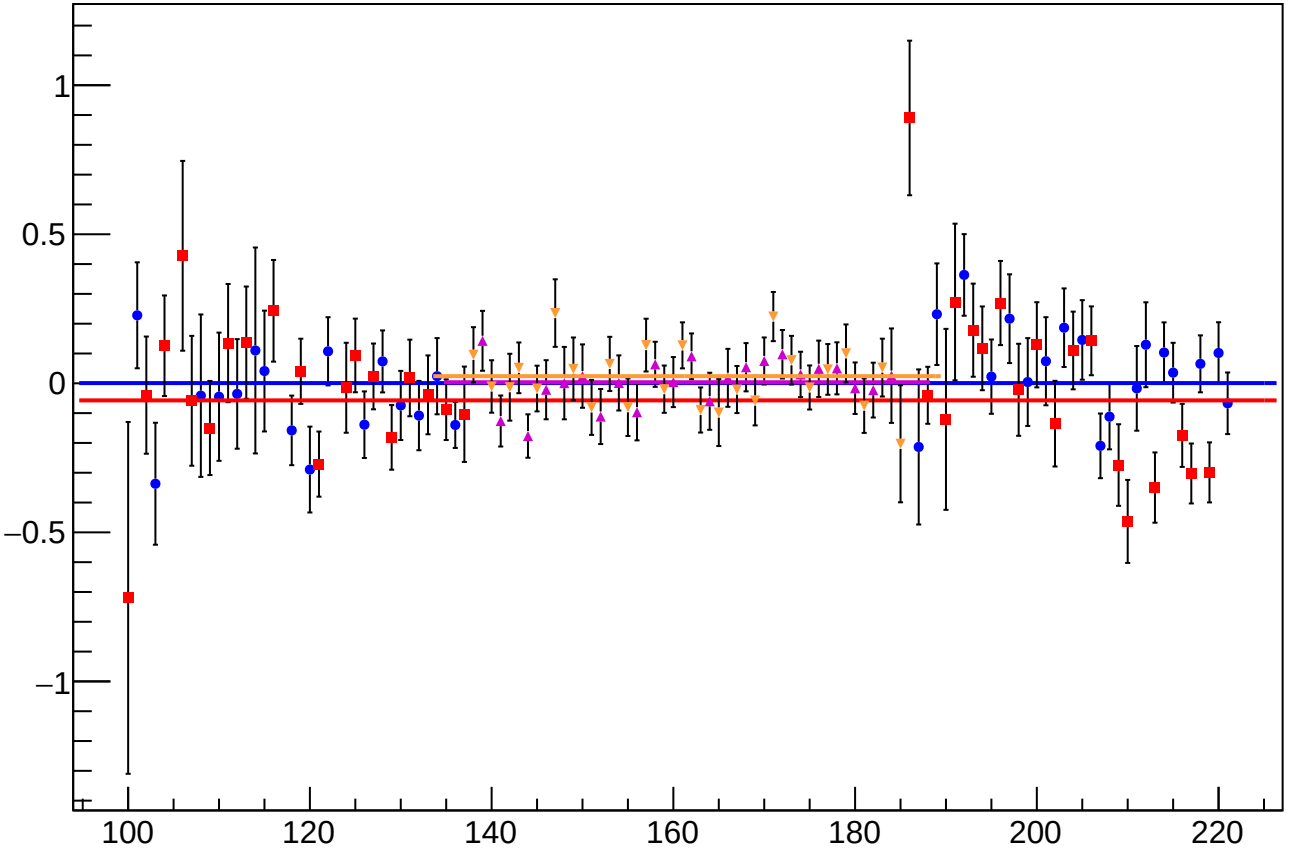
Right: 100.372+/-0.011 χ^2/NDF: 4809699.8/70

In: 87.421+/-0.010 χ^2/NDF:3807745.5/56

Out: 86.821+/-0.010 χ^2/NDF:4299504.8/61

All: 87.118+/-0.007 χ^2/NDF: 8109061.6/118

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

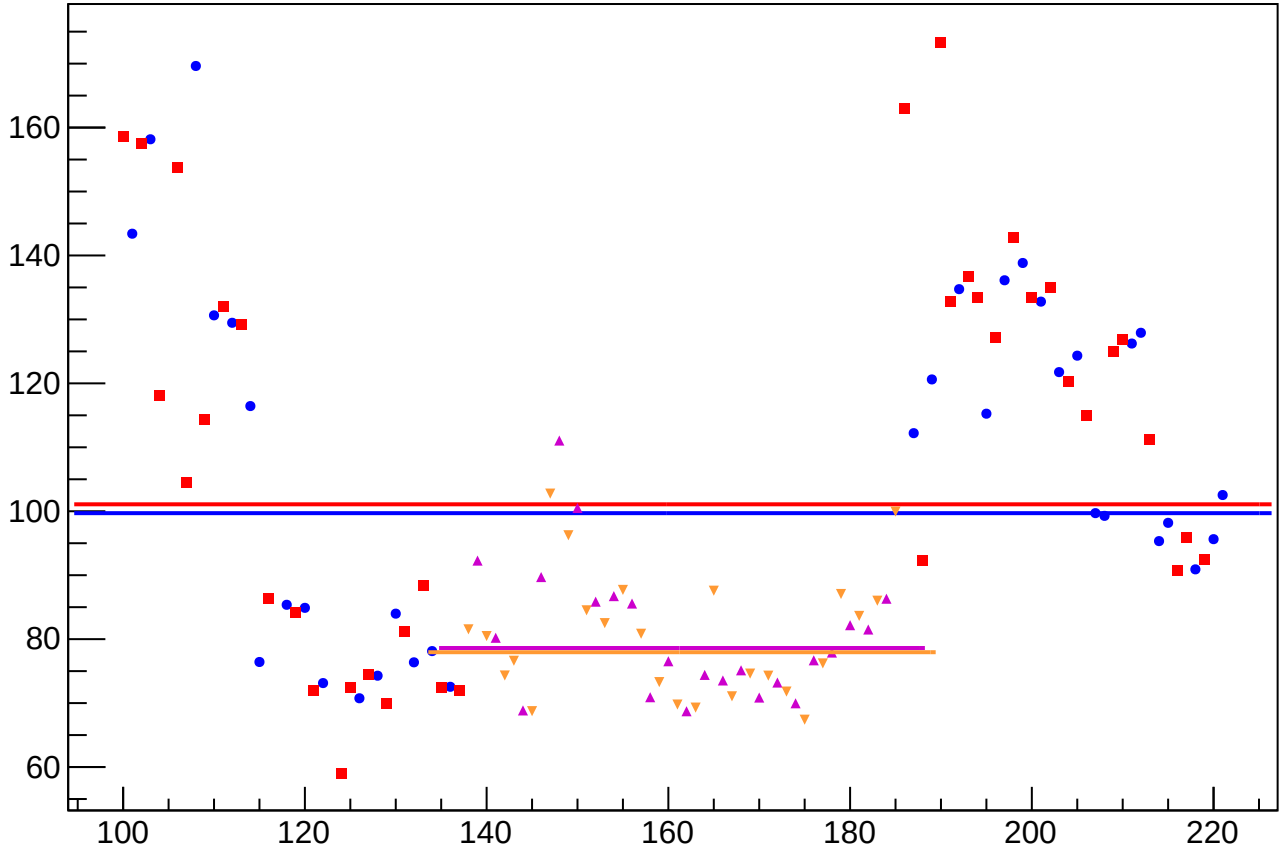
Right: -0.027+/-0.016 χ^2/NDF: 125.0/70

In: 0.002+/-0.014 χ^2/NDF:60.7/56

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.002+/-0.010 χ^2/NDF: 174.2/118

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: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

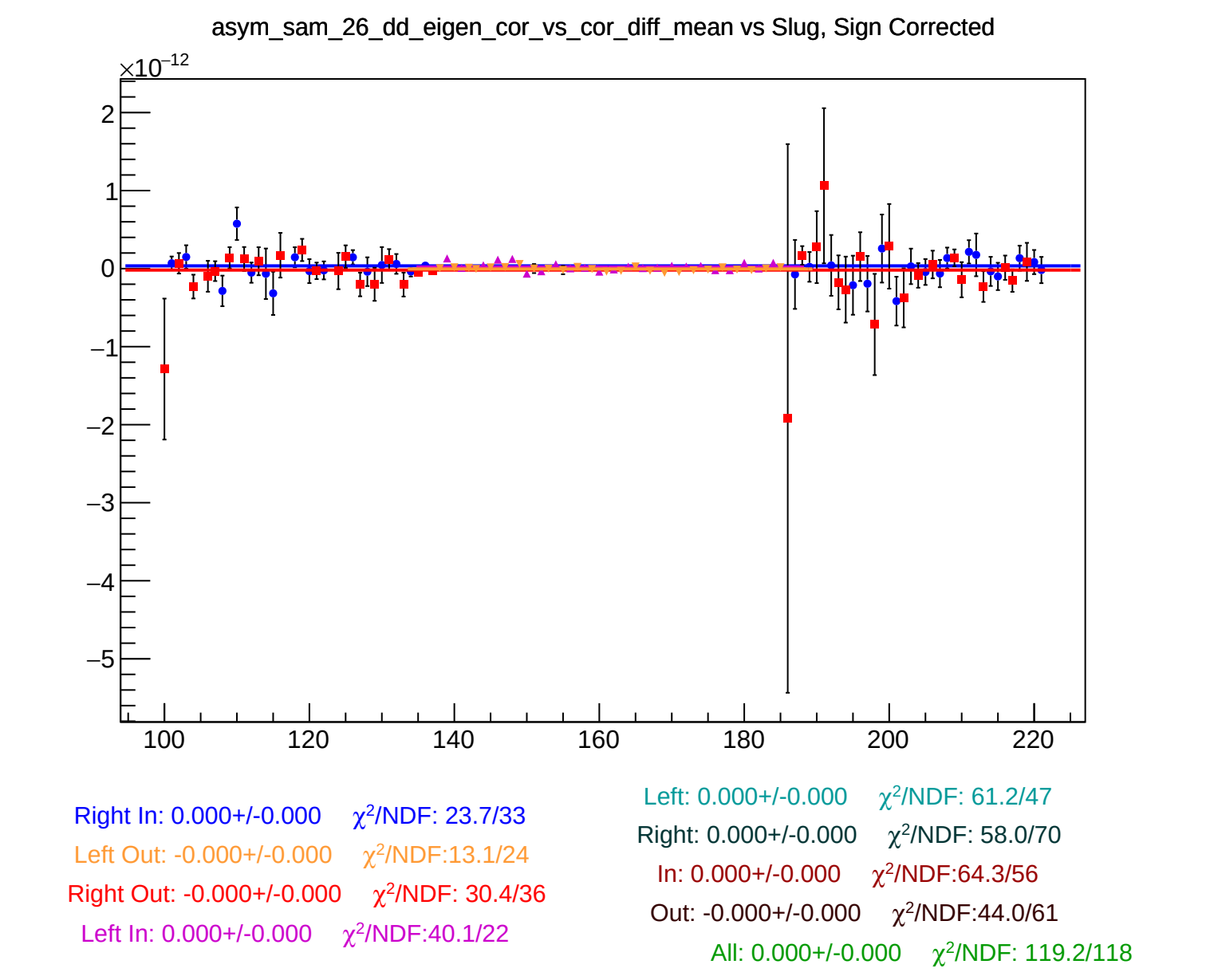
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

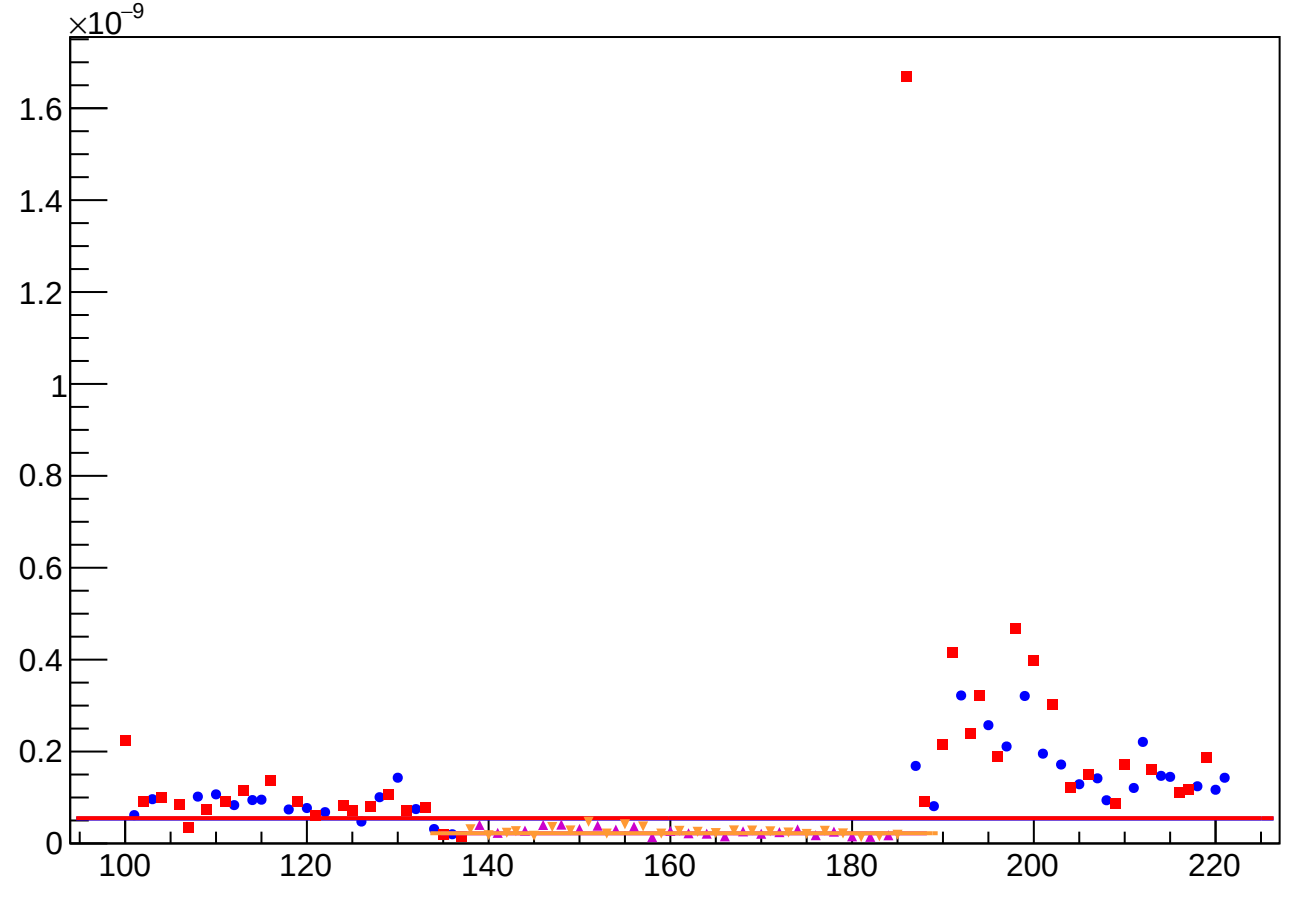
Right: 100.372+/-0.011 χ^2/NDF: 4809699.8/70

In: 87.421+/-0.010 χ^2/NDF:3807745.5/56

Out: 86.821+/-0.010 χ^2/NDF:4299504.8/61

All: 87.118+/-0.007 χ^2/NDF: 8109061.6/118


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: 30.4/36
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: 58.0/70
In: 0.000+/-0.000 χ²/NDF:64.3/56
Out: -0.000+/-0.000 χ²/NDF:44.0/61
All: 0.000+/-0.000 χ²/NDF: 119.2/118



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: 13975907.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

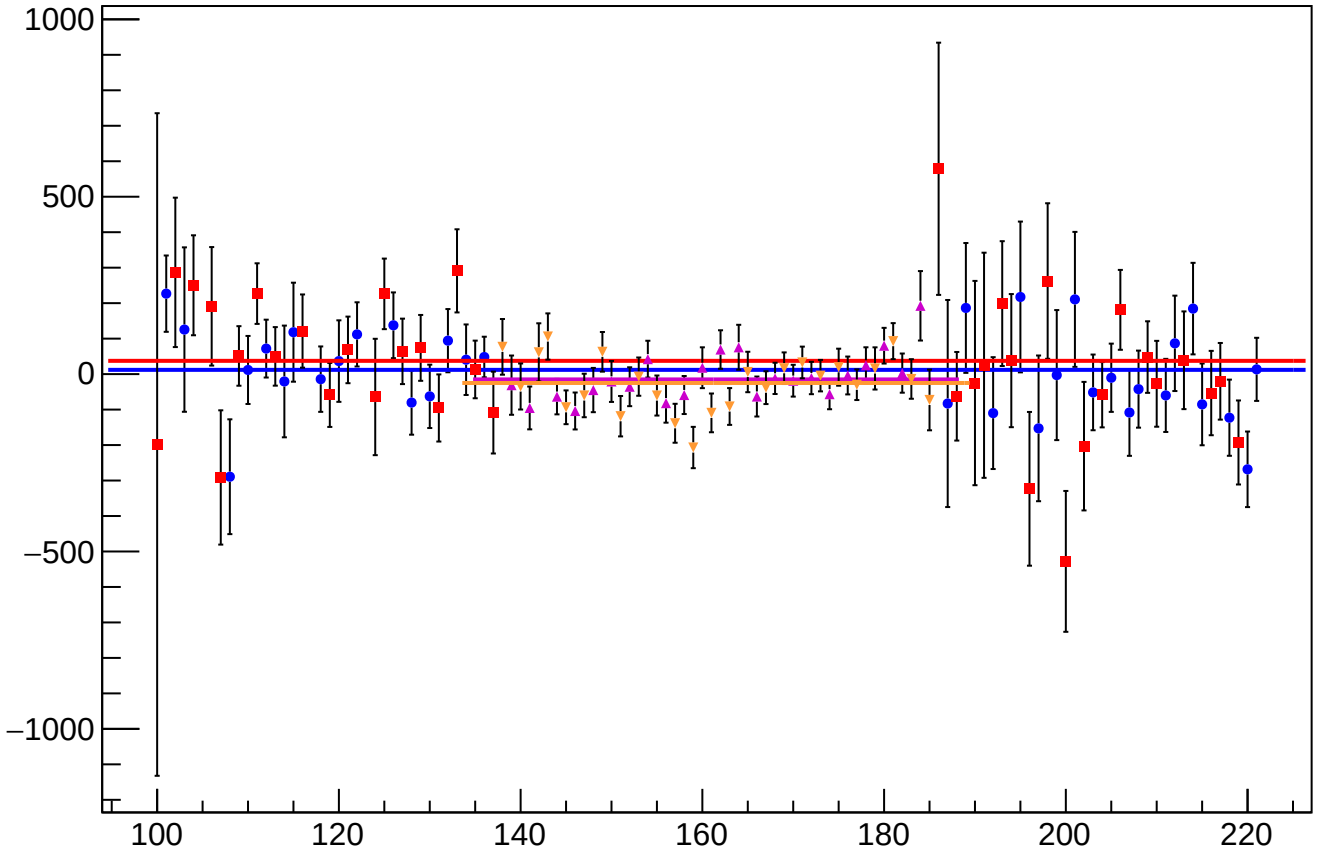
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 26980642.5/70

In: 0.000+/-0.000 χ^2/NDF:20952304.8/56

Out: 0.000+/-0.000 χ^2/NDF:21110666.0/61

All: 0.000+/-0.000 χ^2/NDF: 42064747.5/118



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: 37.390+/-19.711 χ^2/NDF: 52.3/36

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

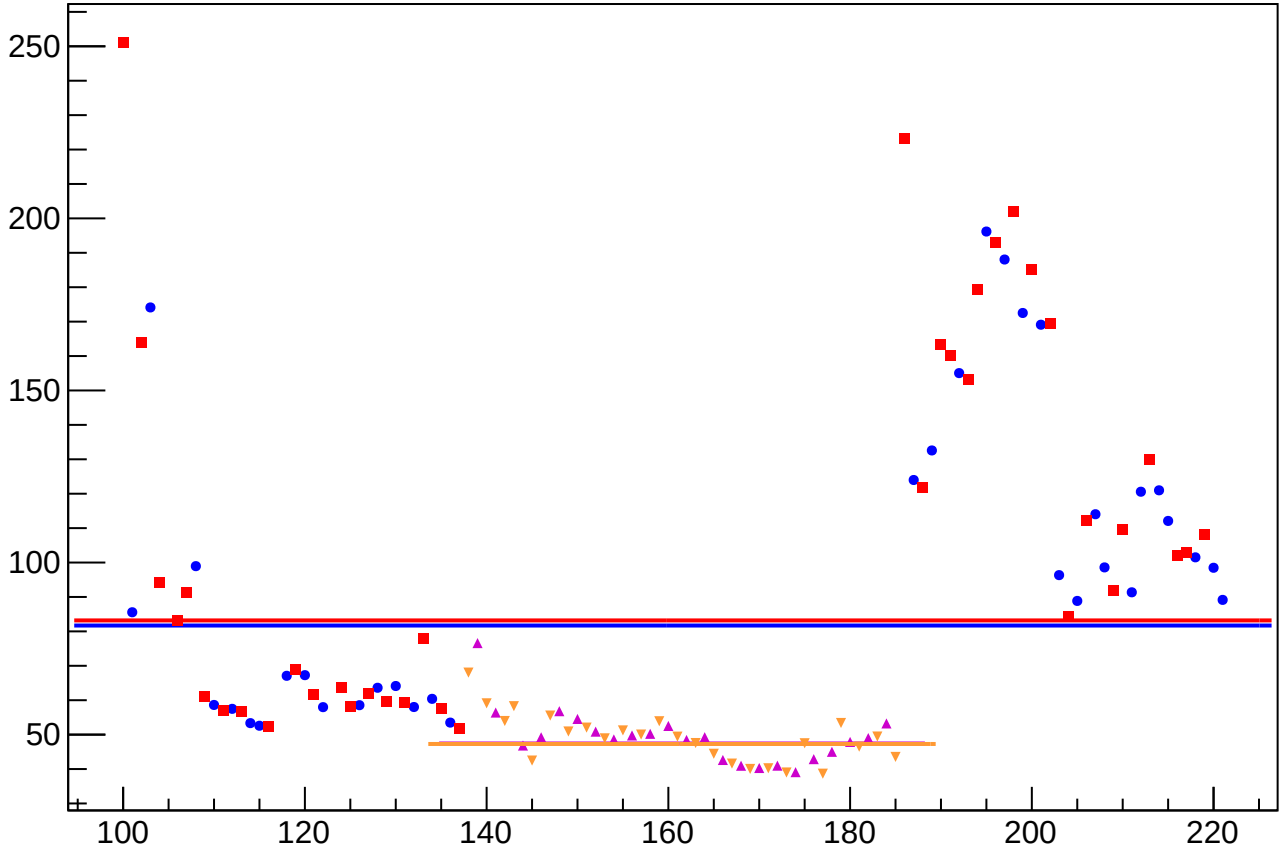
Right: 24.089+/-13.609 χ^2/NDF: 86.0/70

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -10.405+/-9.530 χ^2/NDF:103.0/61

All: -9.176+/-6.776 χ^2/NDF: 162.2/118

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: 83.185+/-0.014 χ^2/NDF: 6483406.5/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

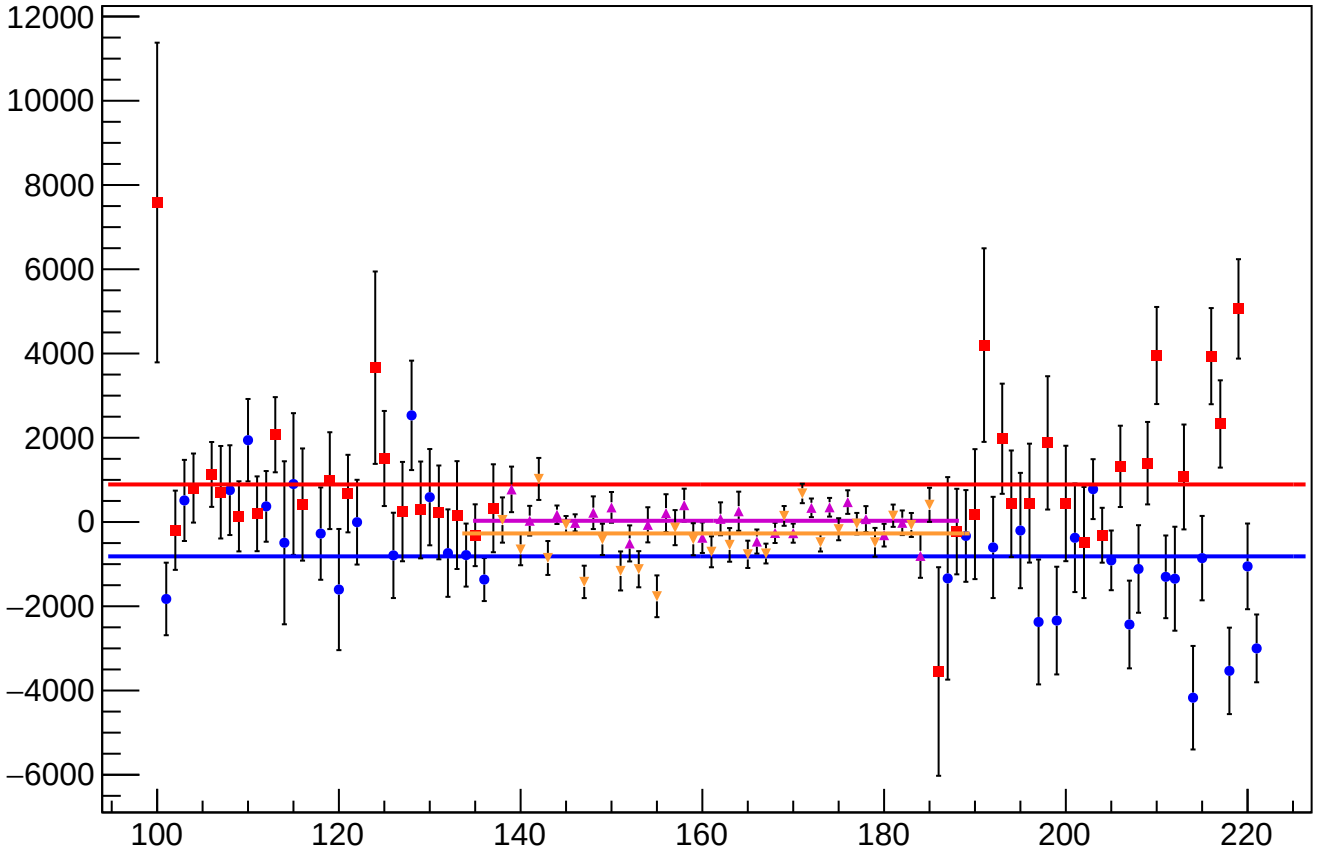
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 82.407+/-0.010 χ^2/NDF: 12035470.1/70

In: 56.415+/-0.007 χ^2/NDF:11099045.2/56

Out: 55.677+/-0.007 χ^2/NDF:12284537.7/61

All: 56.042+/-0.005 χ^2/NDF: 23389529.0/118



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: 891.850+/-177.972 χ^2/NDF: 55.7/36

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

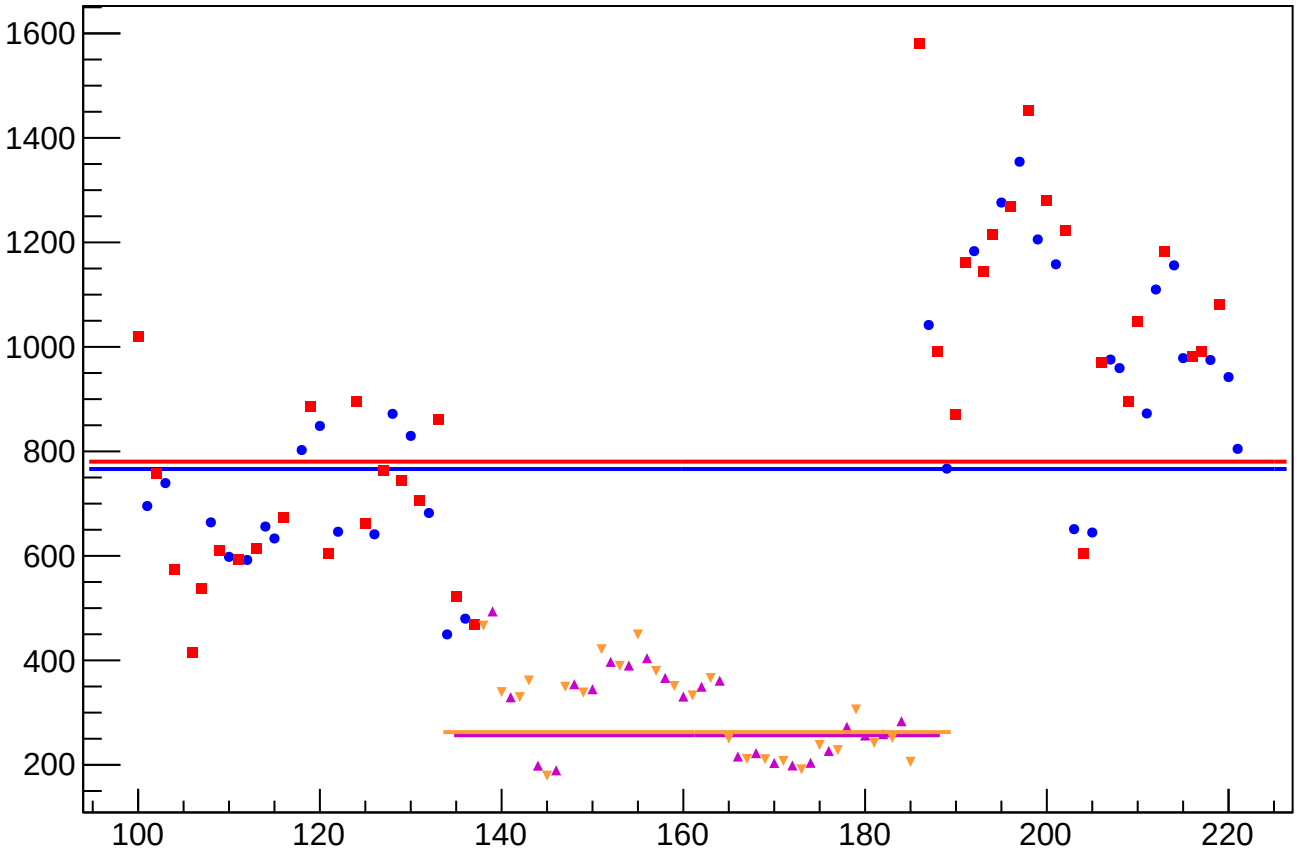
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 4.964+/-123.372 χ^2/NDF: 163.5/70

In: -70.640+/-58.850 χ^2/NDF:105.9/56

Out: -143.923+/-58.840 χ^2/NDF:167.6/61

All: -107.288+/-41.610 χ^2/NDF: 274.2/118



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: 780.352+/-0.126 χ^2/NDF: 4184974.1/36

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

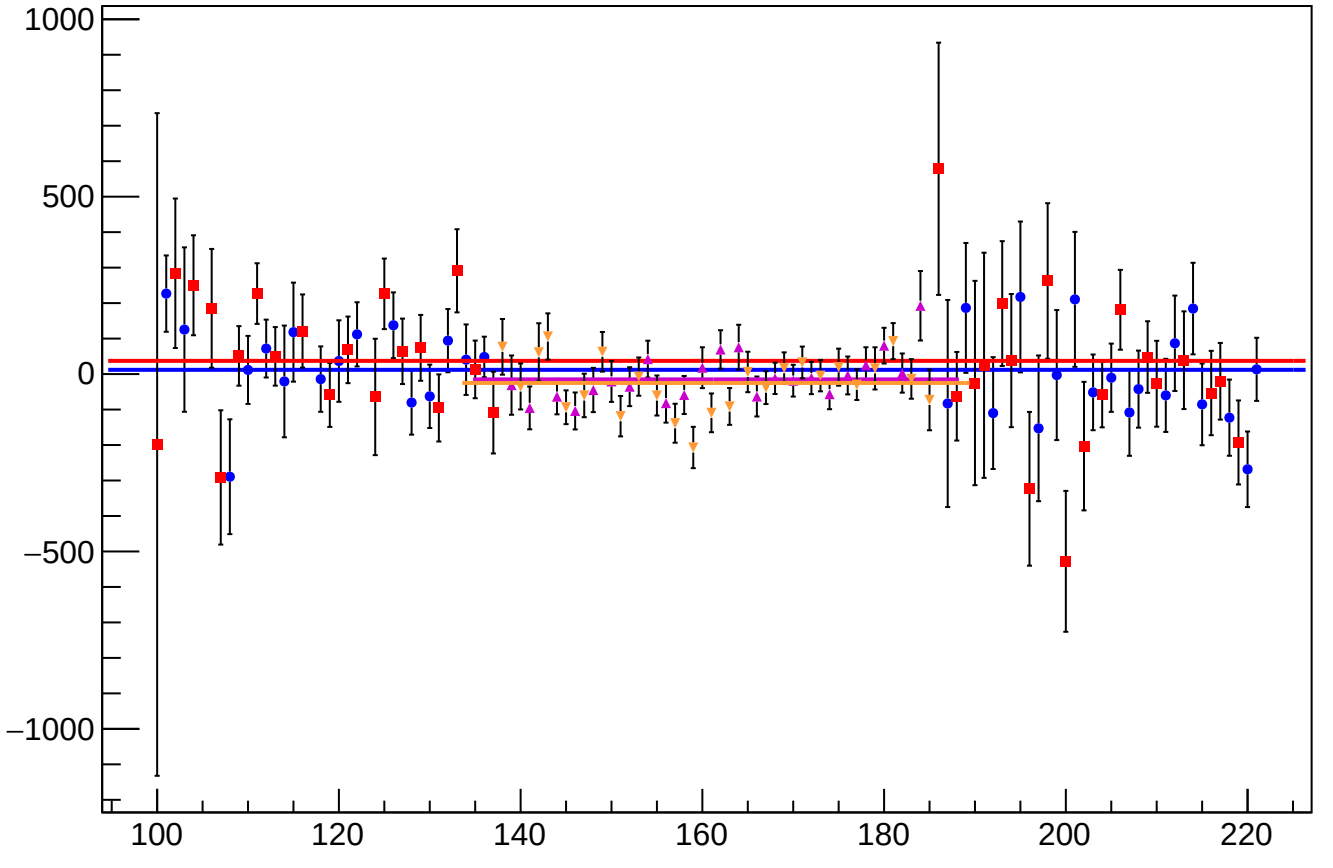
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 773.054+/-0.087 χ^2/NDF: 7635698.8/70

In: 317.060+/-0.042 χ^2/NDF:21705444.5/56

Out: 319.263+/-0.042 χ^2/NDF:22150068.2/61

All: 318.162+/-0.029 χ^2/NDF: 43856914.6/11



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: 37.271+/-19.712 χ^2/NDF: 52.2/36

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

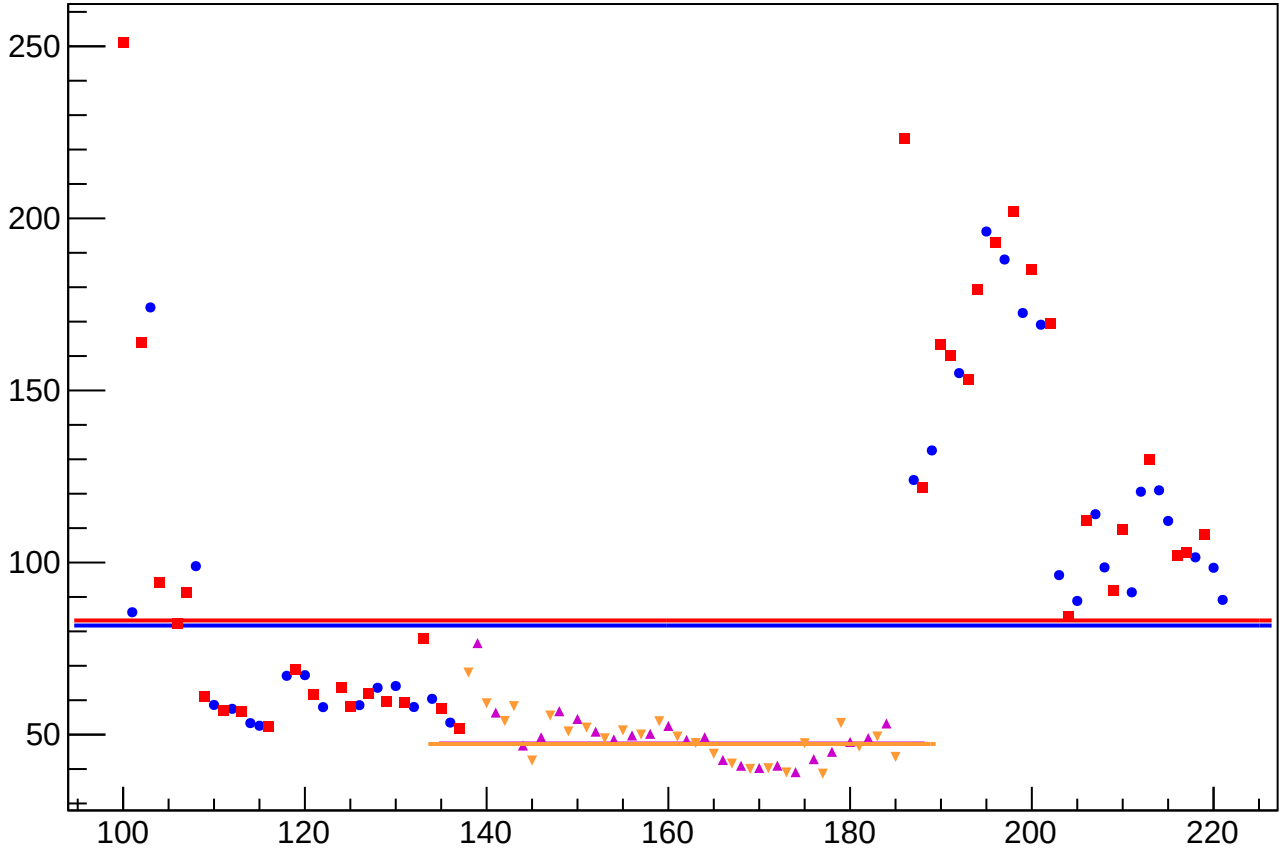
Right: 24.028+/-13.609 χ^2/NDF: 85.9/70

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -10.432+/-9.530 χ^2/NDF:102.9/61

All: -9.190+/-6.776 χ^2/NDF: 162.0/118

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: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

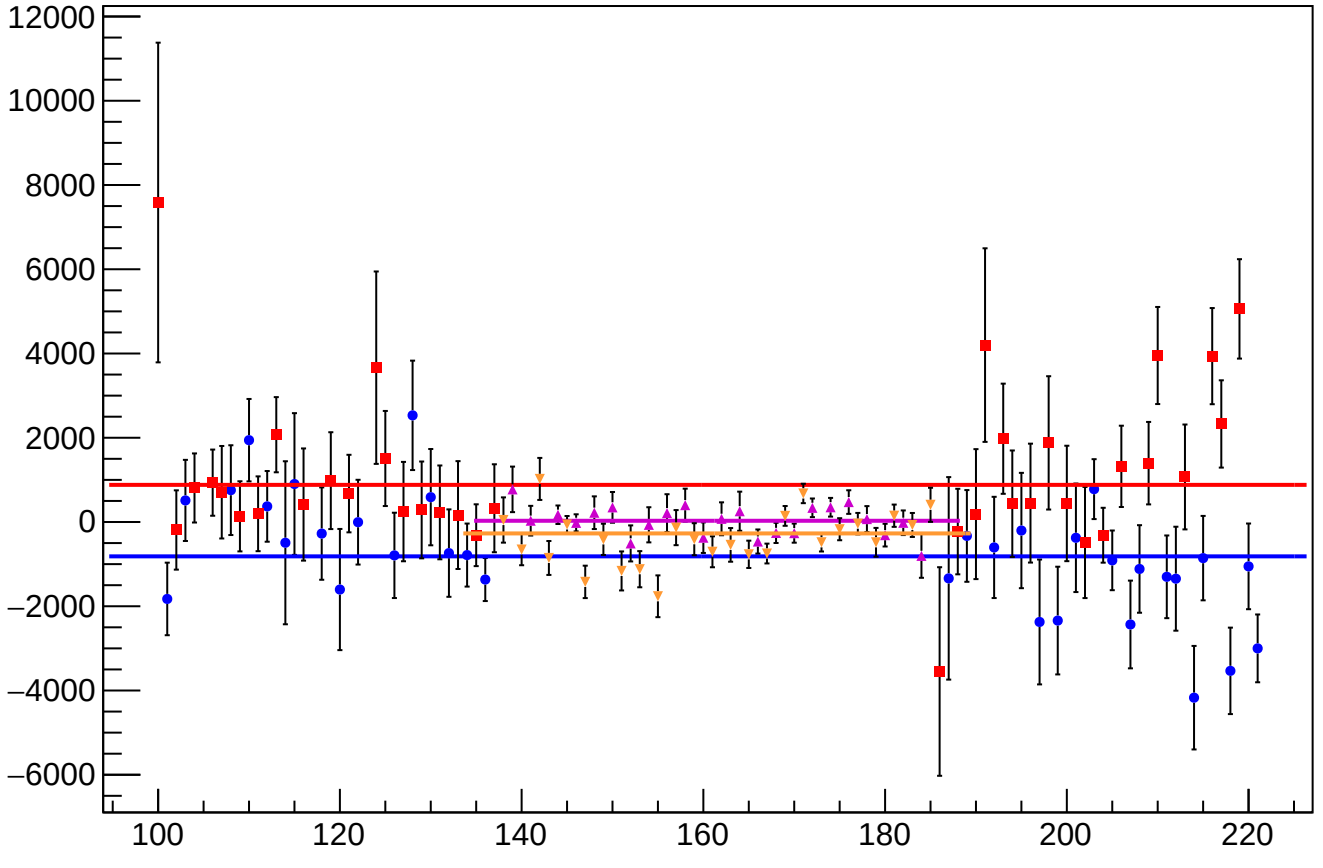
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 82.401+/-0.010 χ^2/NDF: 12035612.1/70

In: 56.415+/-0.007 χ^2/NDF:11099047.1/56

Out: 55.673+/-0.007 χ^2/NDF:12280466.1/61

All: 56.040+/-0.005 χ^2/NDF: 23385521.0/118



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: 881.676+/-178.165 χ^2/NDF: 55.6/36

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

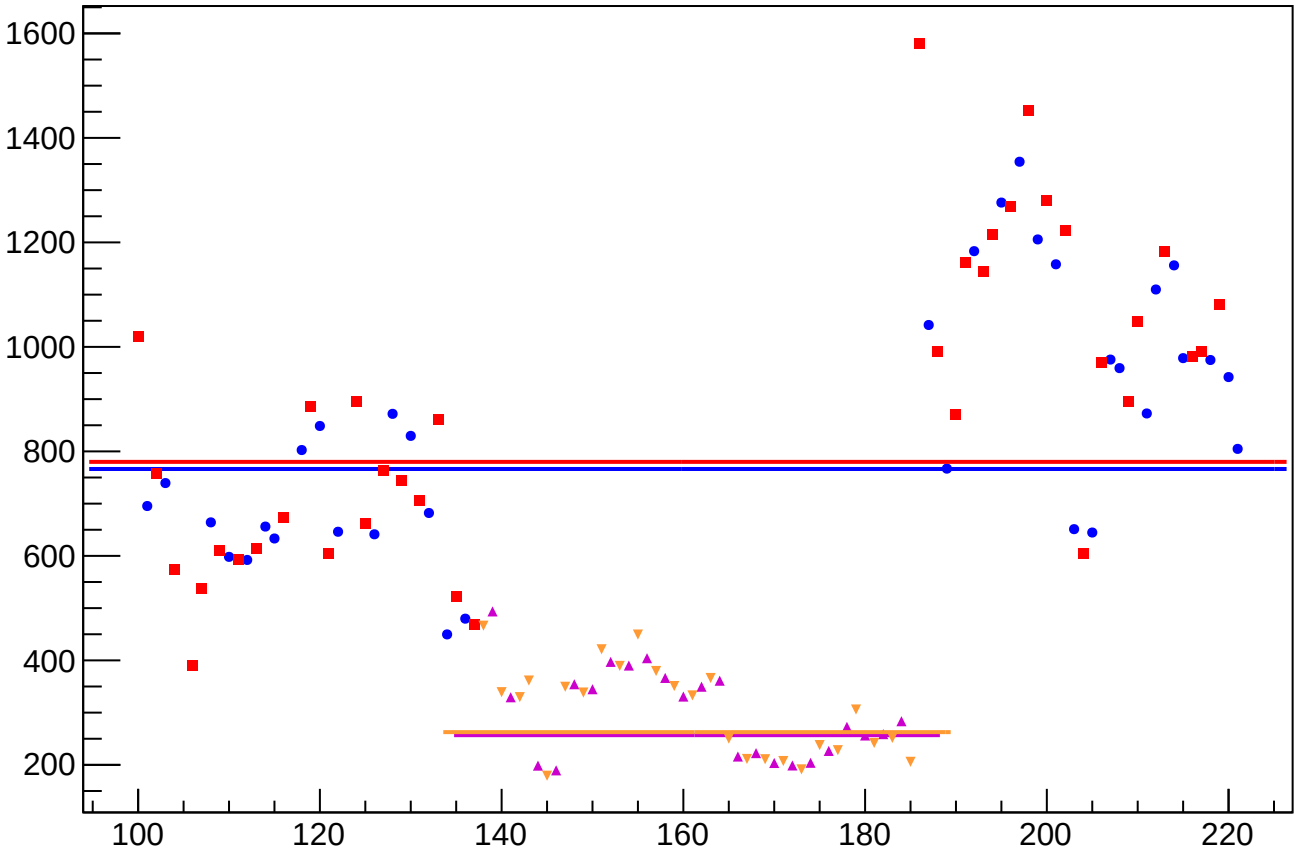
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: -0.841+/-123.437 χ^2/NDF: 162.7/70

In: -70.638+/-58.850 χ^2/NDF:105.9/56

Out: -145.273+/-58.847 χ^2/NDF:166.8/61

All: -107.958+/-41.612 χ^2/NDF: 273.4/118



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: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

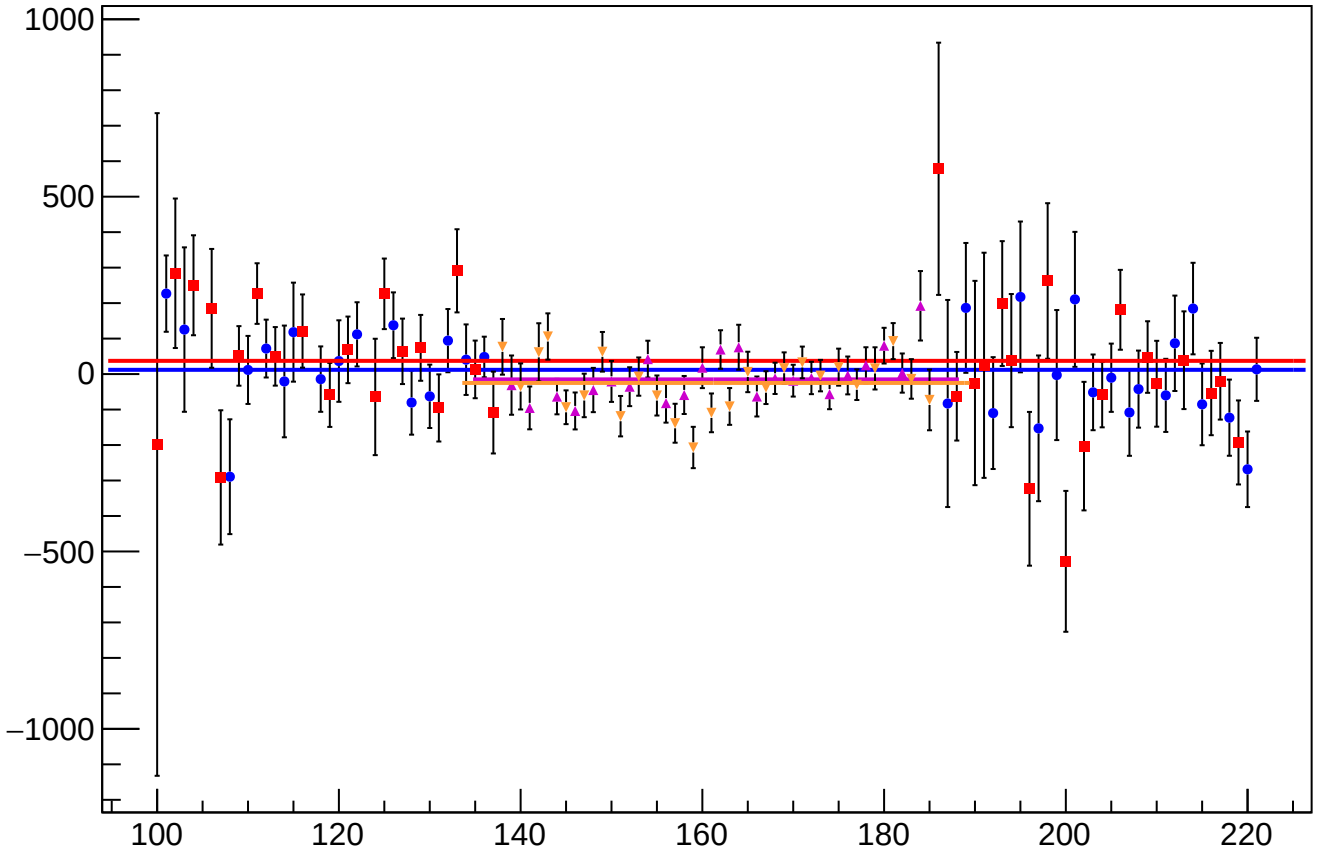
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 772.851+/-0.087 χ^2/NDF: 7674912.7/70

In: 317.060+/-0.042 χ^2/NDF:21705494.1/56

Out: 319.109+/-0.042 χ^2/NDF:22136767.0/61

All: 318.085+/-0.029 χ^2/NDF: 43843473.8/1



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: 37.271+/-19.712 χ^2/NDF: 52.2/36

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

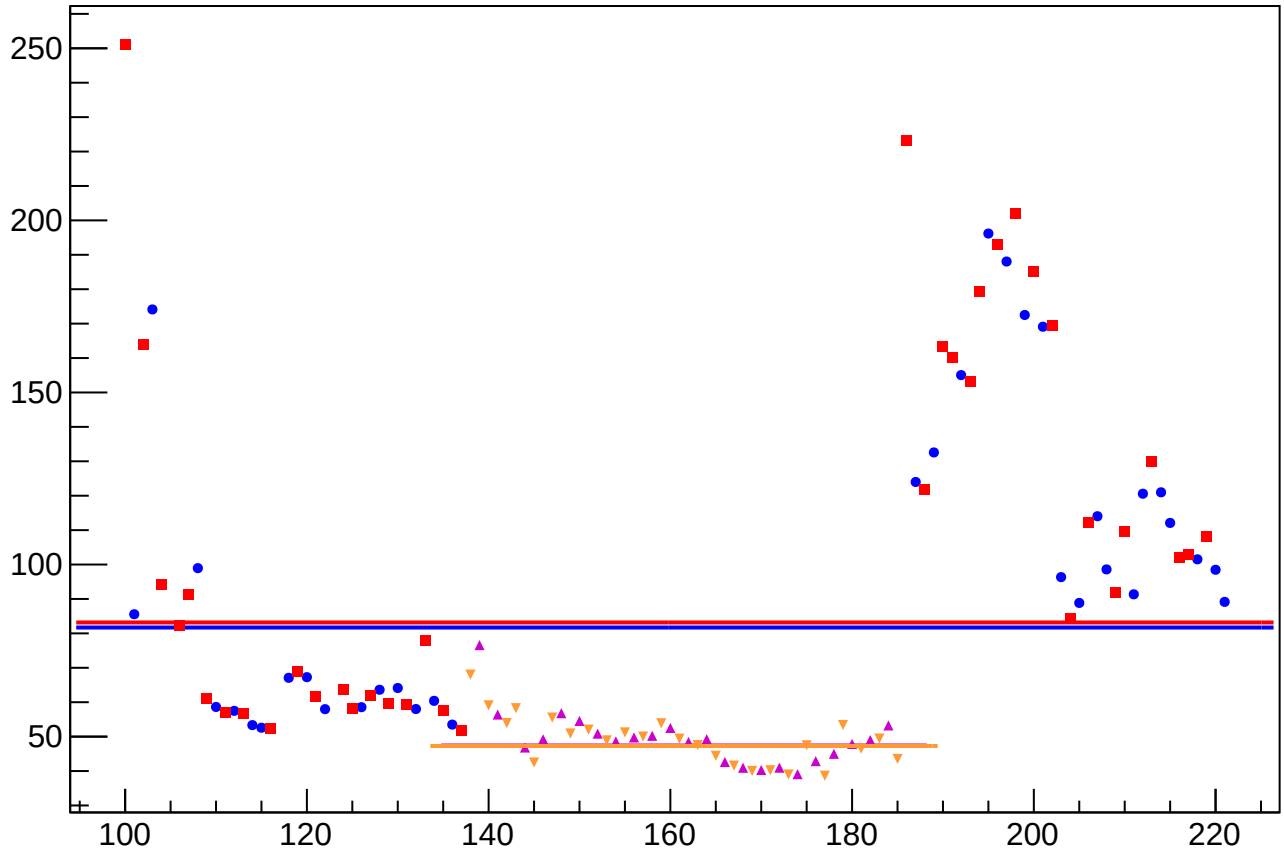
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 24.028+/-13.609 χ^2/NDF: 85.9/70

In: -7.920+/-9.635 χ^2/NDF:59.1/56

Out: -10.432+/-9.530 χ^2/NDF:102.9/61

All: -9.190+/-6.776 χ^2/NDF: 162.0/118



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: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

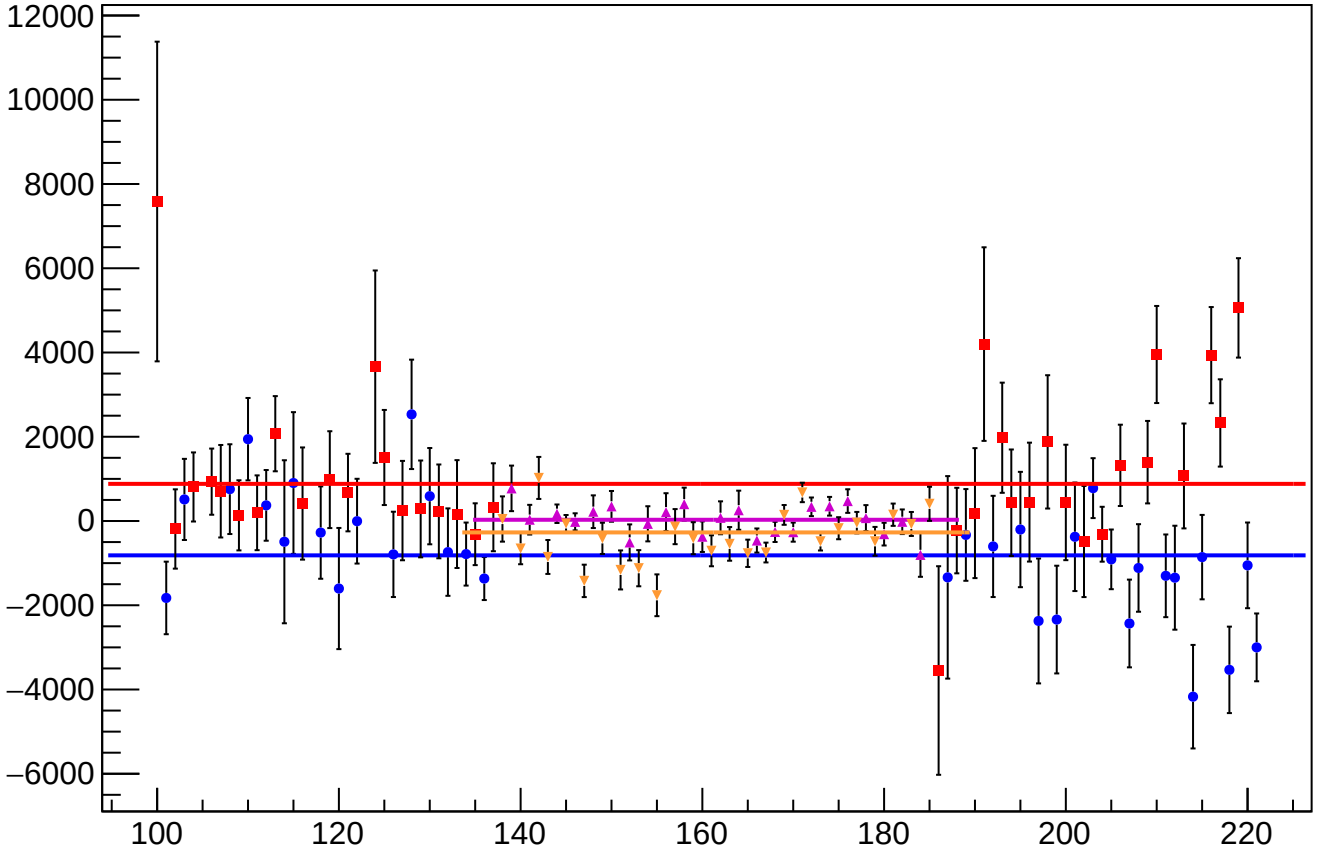
Right: 82.401+/-0.010 χ^2/NDF: 12035612.1/70

In: 56.415+/-0.007 χ^2/NDF:11099047.1/56

Out: 55.673+/-0.007 χ^2/NDF:12280466.1/61

All: 56.040+/-0.005 χ^2/NDF: 23385521.0/118

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: 881.676+/-178.165 χ^2/NDF: 55.6/36

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

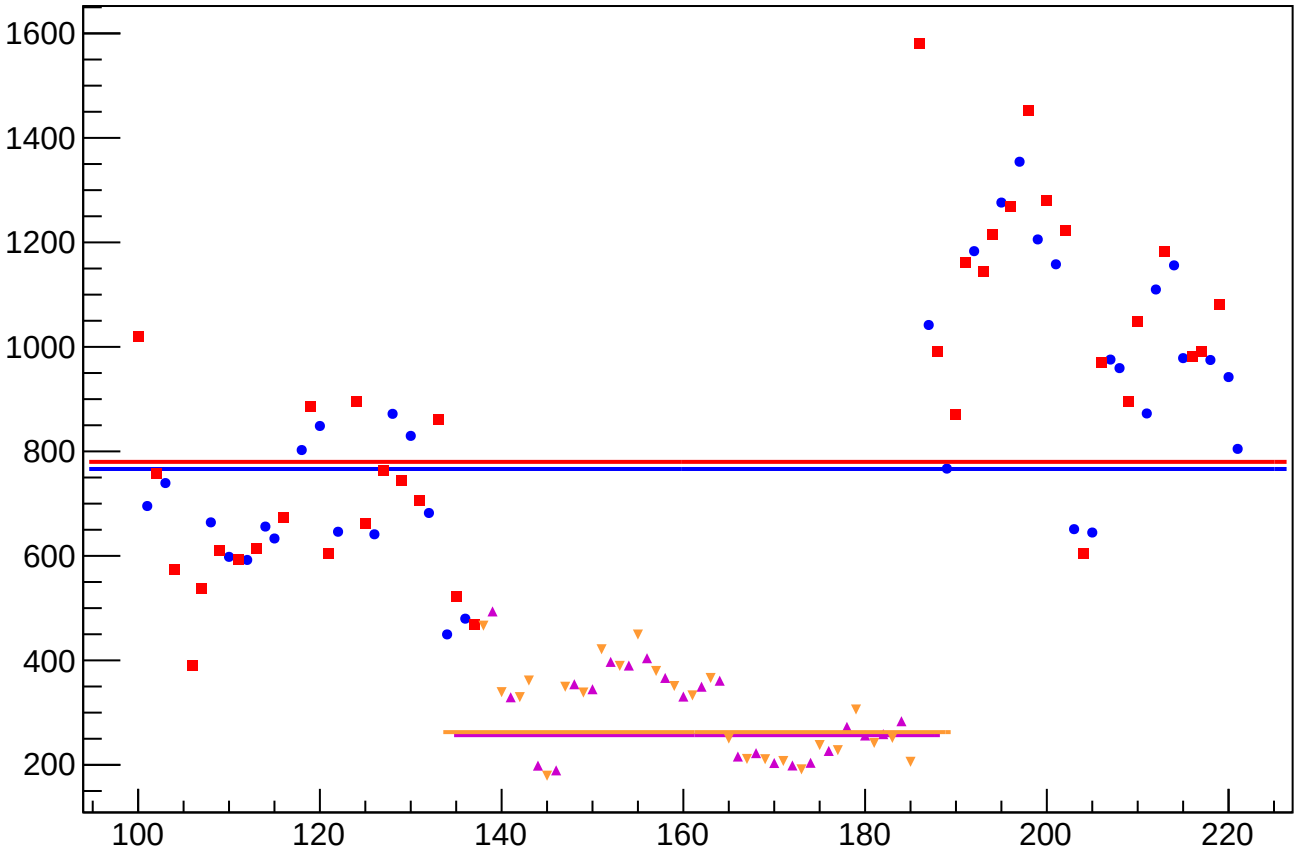
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: -0.841+/-123.437 χ^2/NDF: 162.7/70

In: -70.638+/-58.850 χ^2/NDF:105.9/56

Out: -145.273+/-58.847 χ^2/NDF:166.8/61

All: -107.958+/-41.612 χ^2/NDF: 273.4/118



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: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

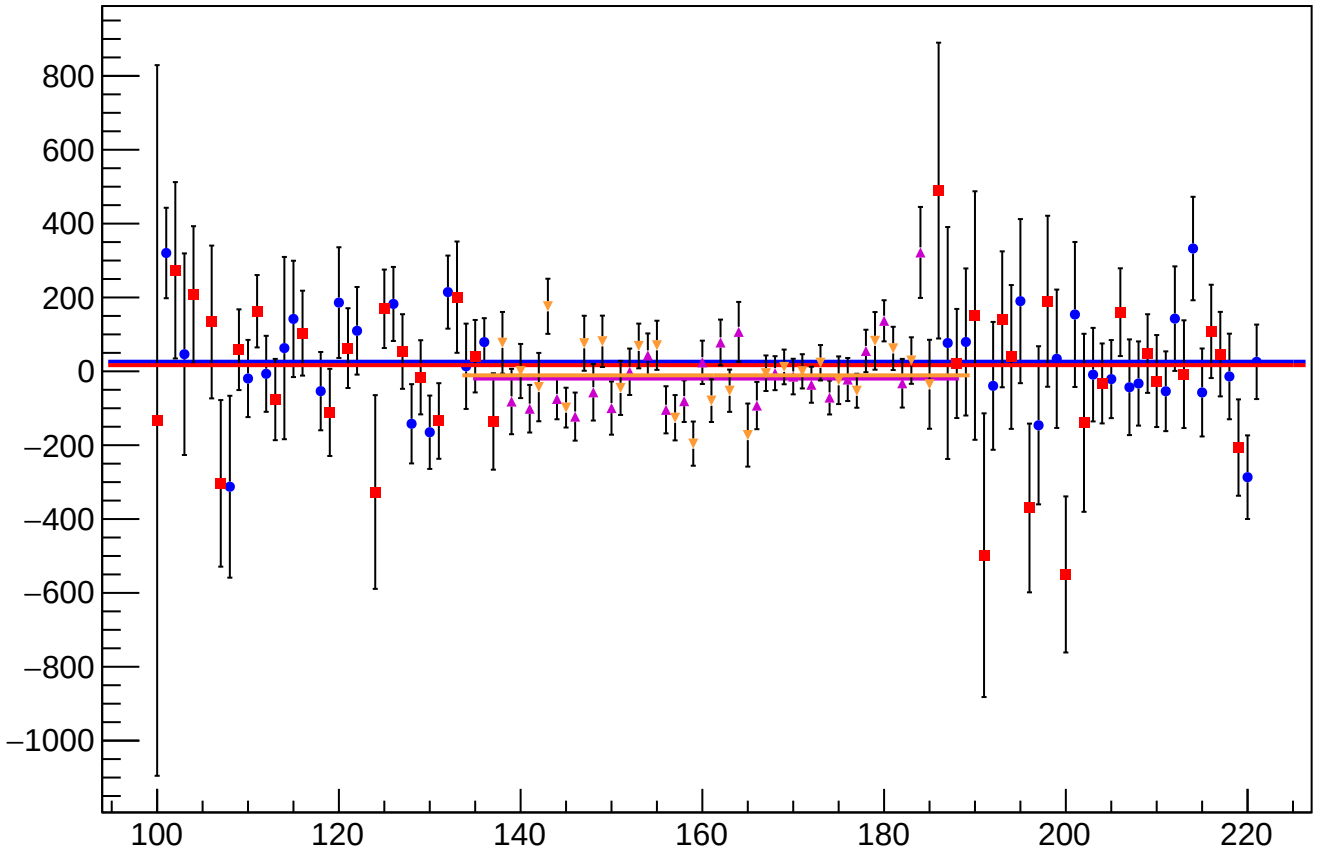
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 772.851+/-0.087 χ^2/NDF: 7674912.7/70

In: 317.060+/-0.042 χ^2/NDF:21705494.1/56

Out: 319.109+/-0.042 χ^2/NDF:22136767.0/61

All: 318.085+/-0.029 χ^2/NDF: 43843473.8/1



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: 16.699+/-22.640 χ^2/NDF: 39.0/36

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

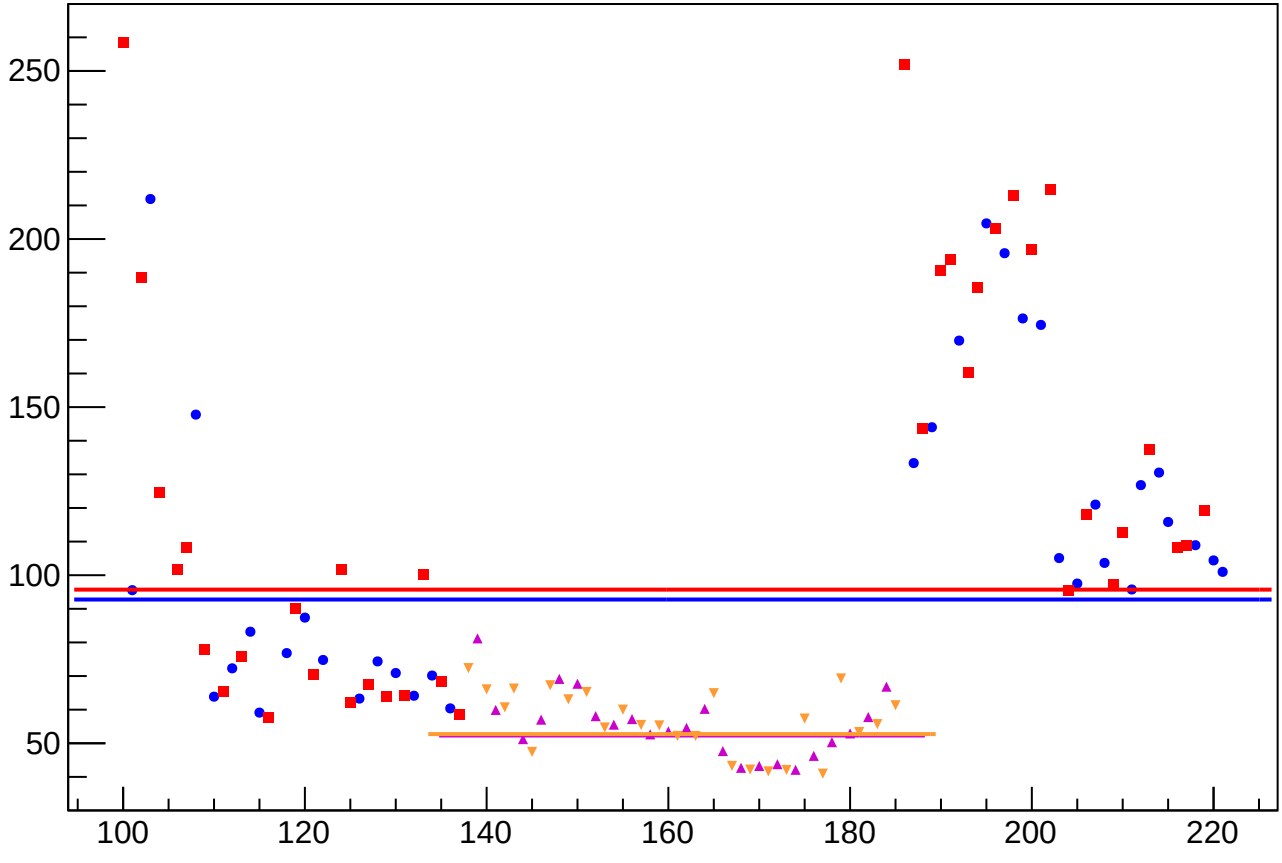
Right: 21.654+/-15.505 χ^2/NDF: 79.6/70

In: -7.827+/-10.807 χ^2/NDF:80.7/56

Out: -4.546+/-10.812 χ^2/NDF:80.5/61

All: -6.187+/-7.644 χ^2/NDF: 161.3/118

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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: 95.707+/-0.016 χ^2/NDF: 5892279.3/36

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

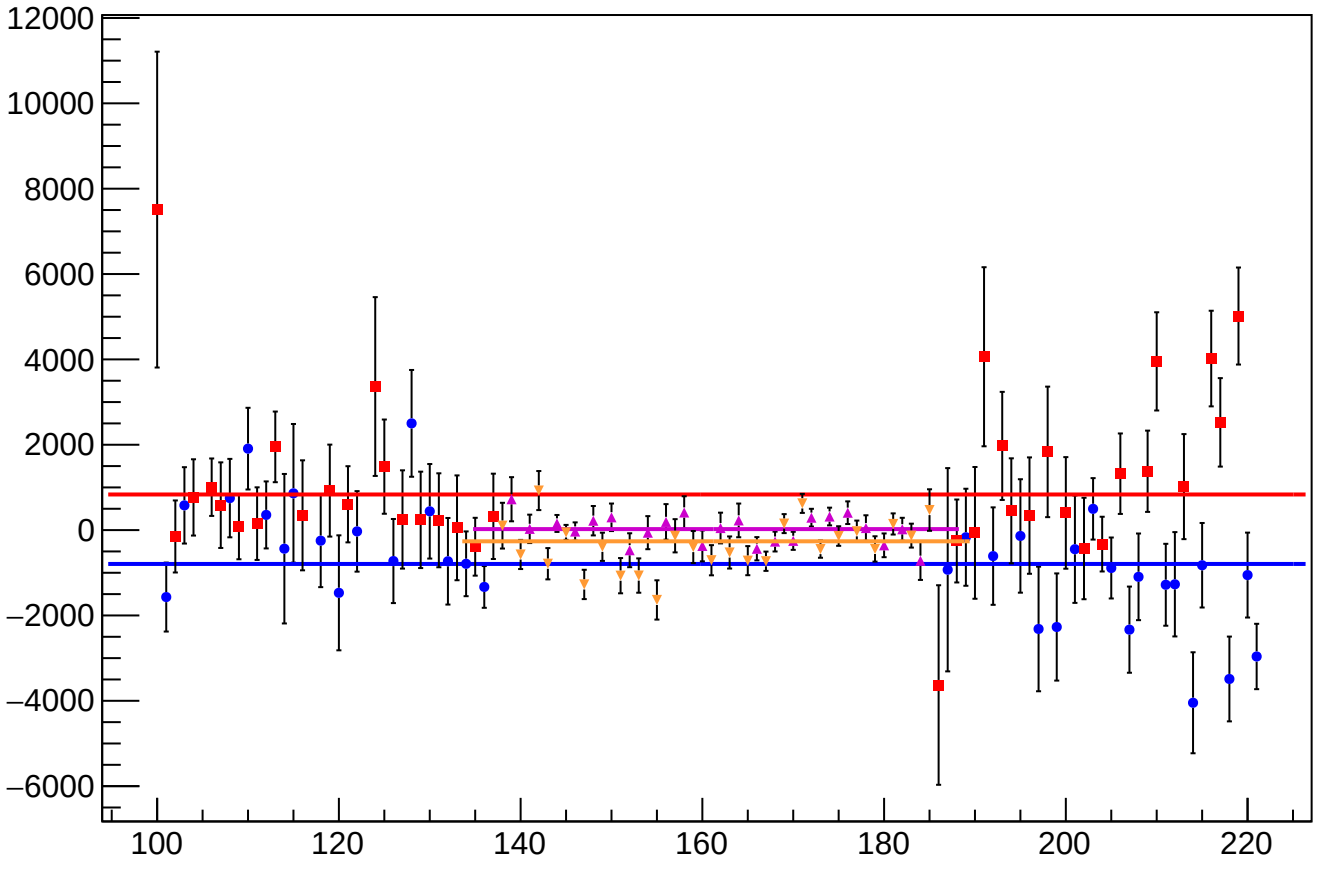
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 94.145+/-0.011 χ^2/NDF: 10708689.7/70

In: 62.749+/-0.008 χ^2/NDF:11054020.5/56

Out: 62.533+/-0.008 χ^2/NDF:12622766.1/61

All: 62.641+/-0.005 χ^2/NDF: 23677185.6/118



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: 834.631+/-170.250 χ^2/NDF: 60.8/36

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

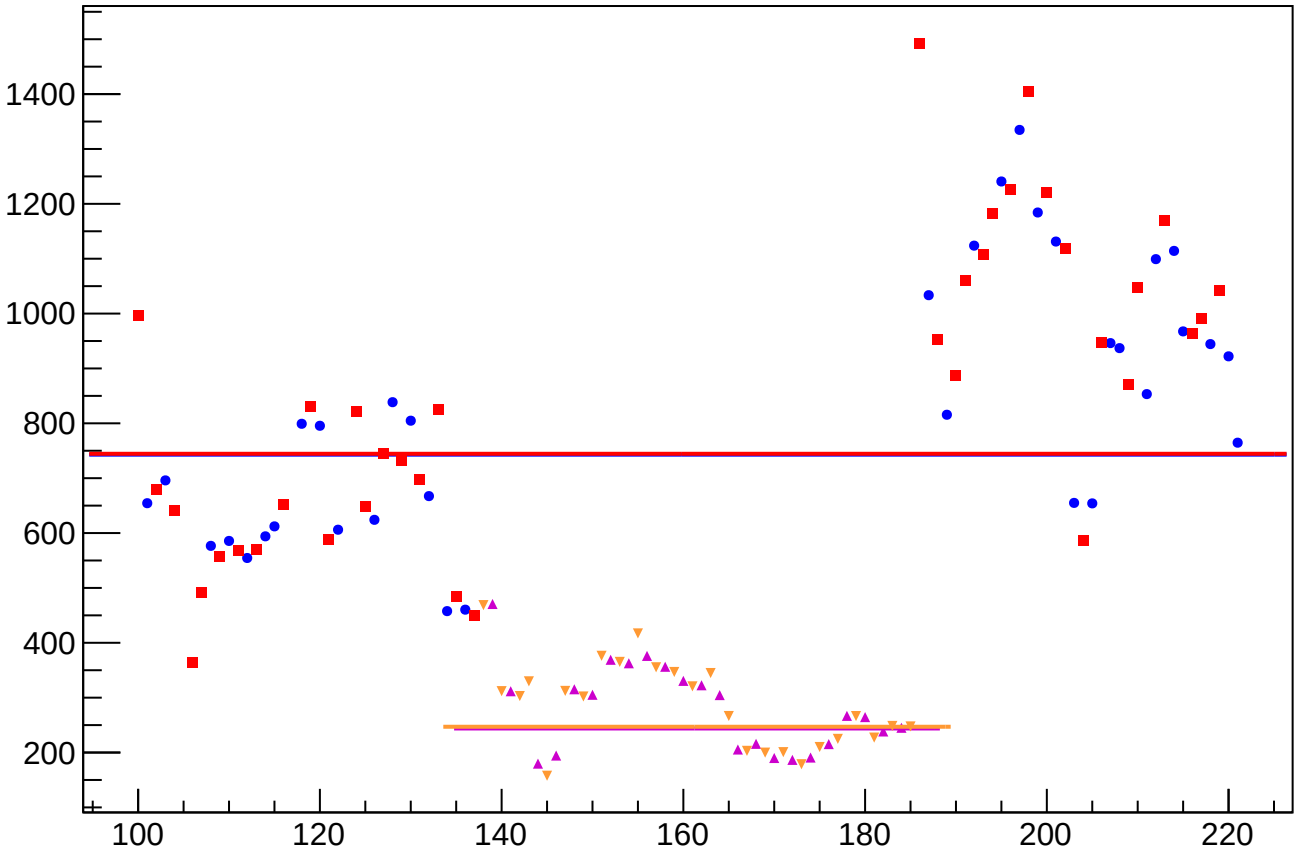
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: -0.545+/-118.804 χ^2/NDF: 167.8/70

In: -69.361+/-55.919 χ^2/NDF:105.7/56

Out: -146.712+/-55.326 χ^2/NDF:170.2/61

All: -108.449+/-39.329 χ^2/NDF: 276.9/118



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: 744.462+/-0.120 χ^2/NDF: 4515458.2/36

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

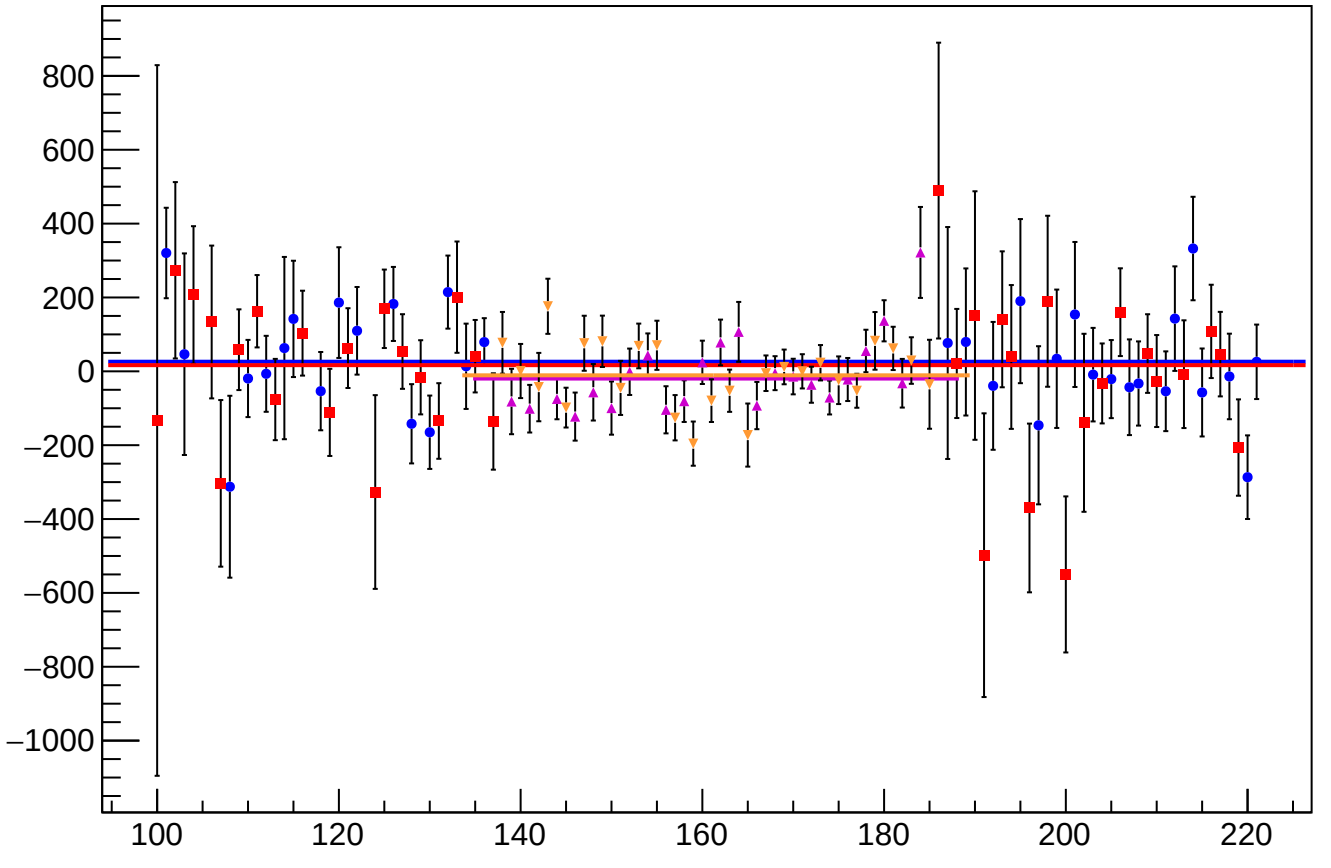
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 743.663+/-0.084 χ^2/NDF: 8032484.3/70

In: 300.551+/-0.040 χ^2/NDF:22056917.3/56

Out: 299.530+/-0.039 χ^2/NDF:22713714.0/61

All: 300.035+/-0.028 χ^2/NDF: 44770968.7/11



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: 16.698+/-22.640 χ^2/NDF: 39.0/36

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

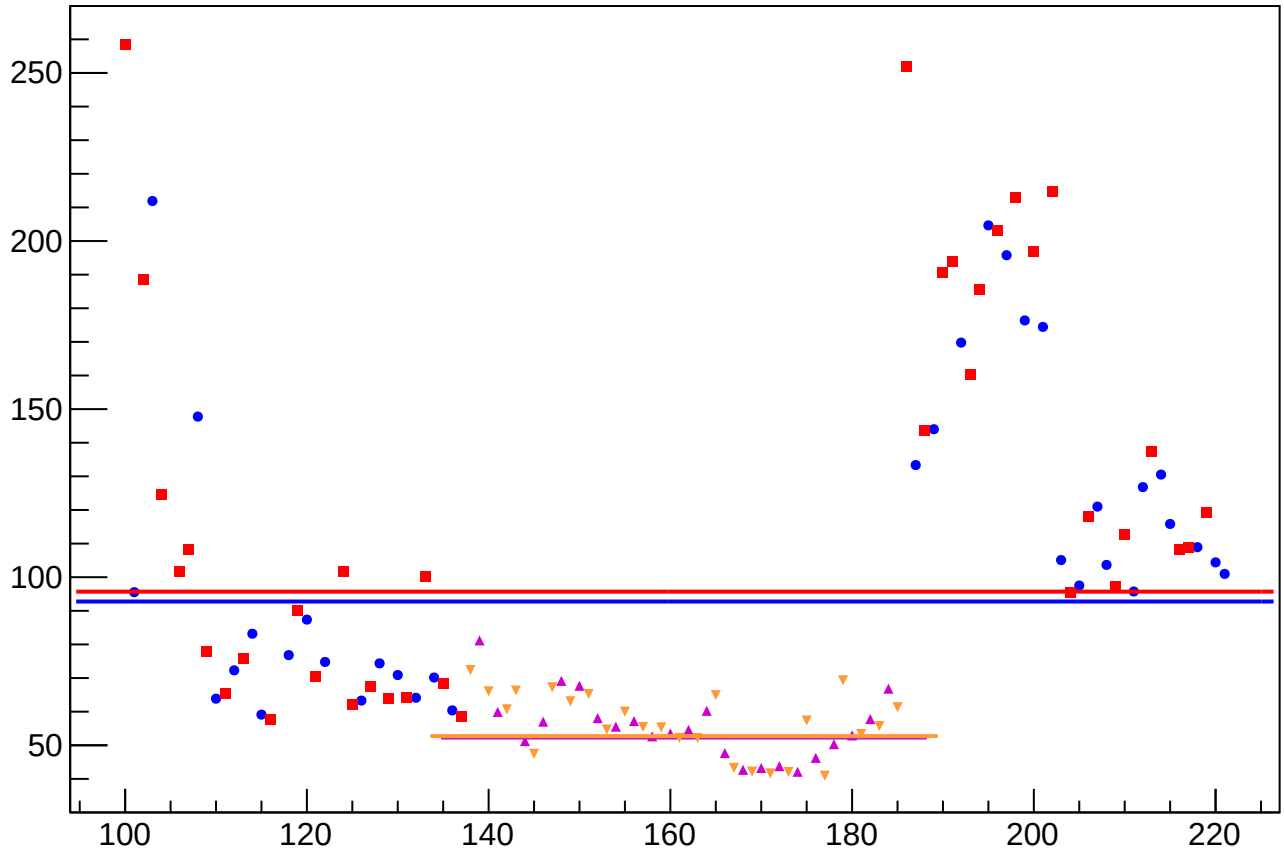
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 21.654+/-15.505 χ^2/NDF: 79.6/70

In: -7.827+/-10.807 χ^2/NDF:80.7/56

Out: -4.546+/-10.812 χ^2/NDF:80.5/61

All: -6.187+/-7.644 χ^2/NDF: 161.3/118



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: 95.707+/-0.016 χ^2/NDF: 5892283.4/36

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

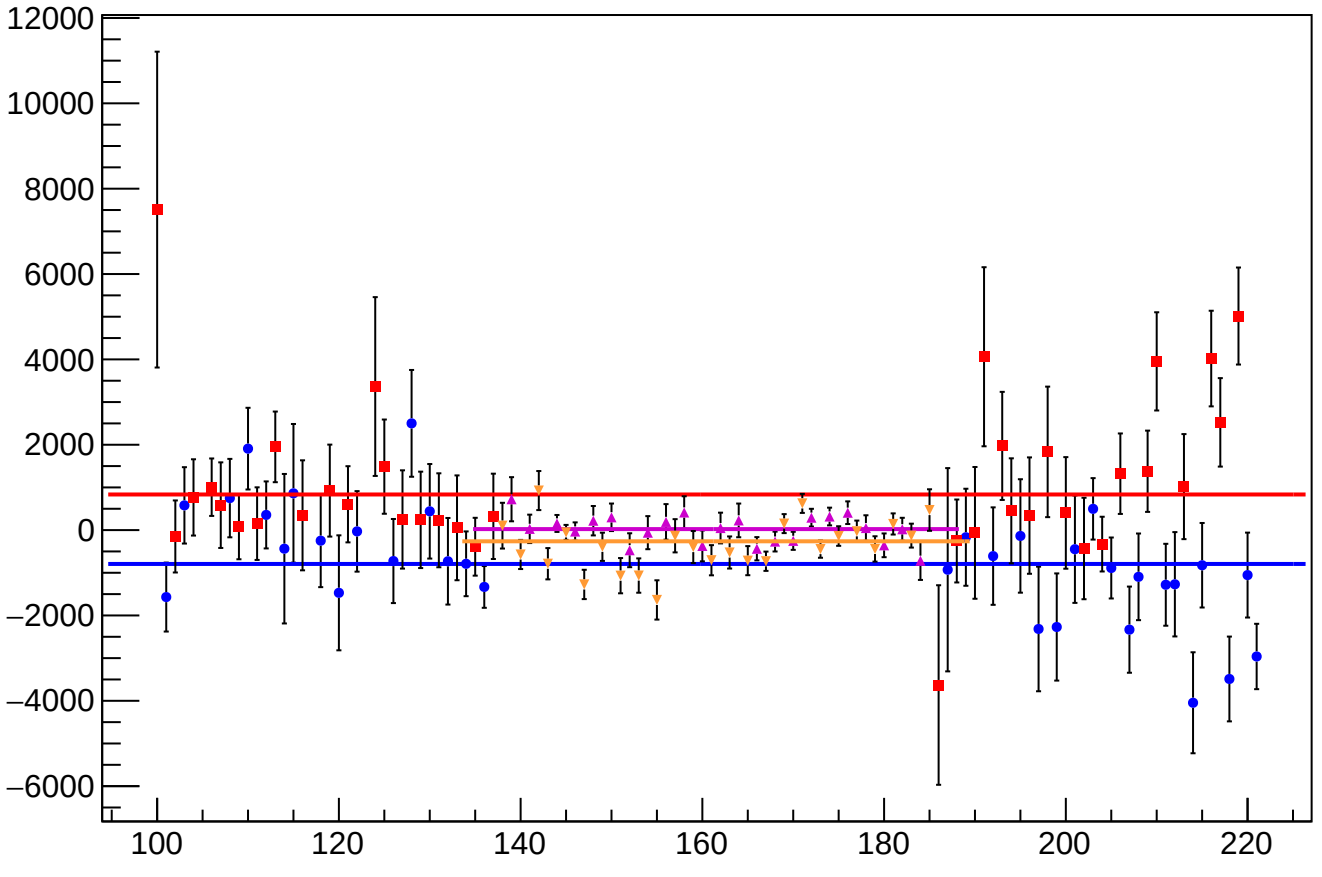
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 94.145+/-0.011 χ^2/NDF: 10708728.1/70

In: 62.749+/-0.008 χ^2/NDF:11054015.1/56

Out: 62.533+/-0.008 χ^2/NDF:12622759.8/61

All: 62.641+/-0.005 χ^2/NDF: 23677173.8/118



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: 834.631+/-170.250 χ^2/NDF: 60.8/36

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

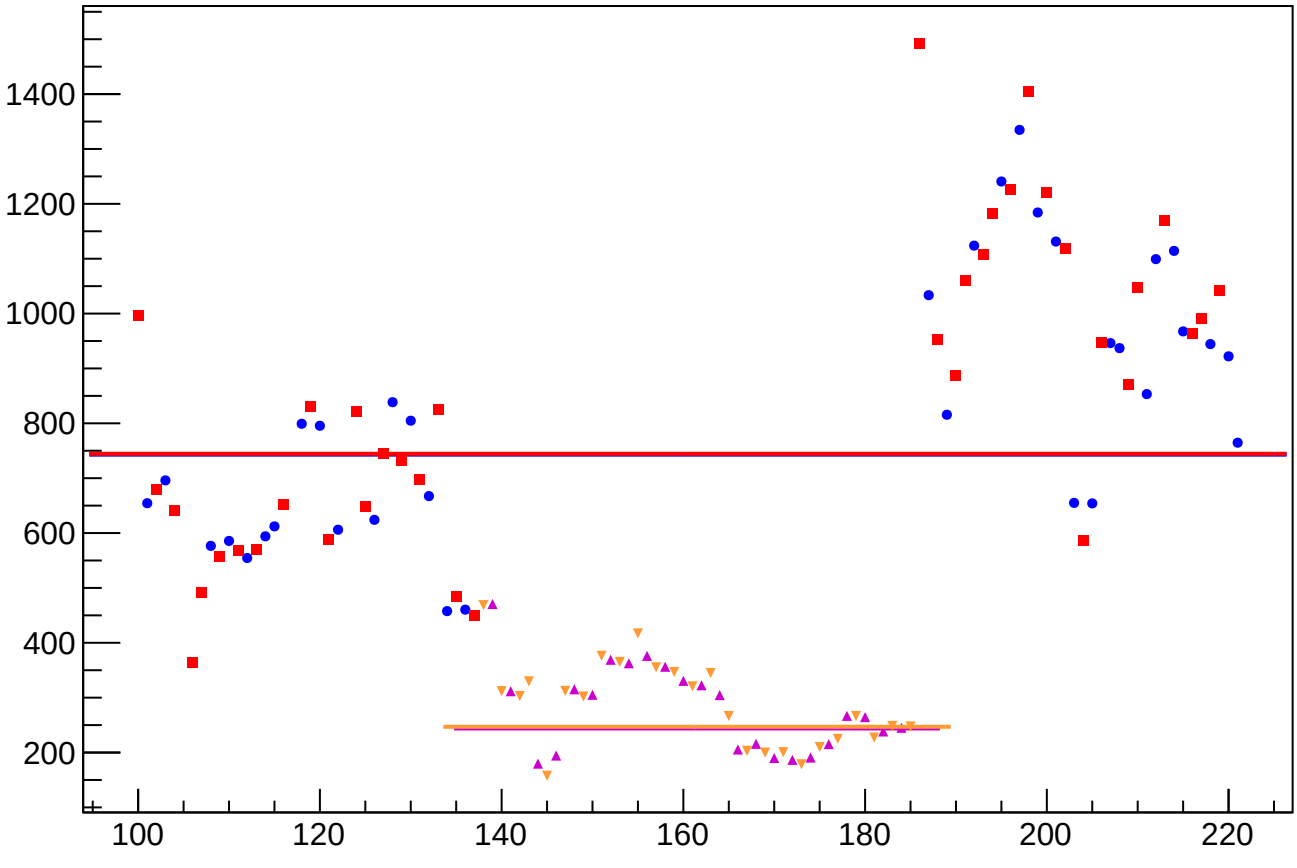
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: -0.545+/-118.804 χ^2/NDF: 167.8/70

In: -69.361+/-55.919 χ^2/NDF:105.7/56

Out: -146.712+/-55.326 χ^2/NDF:170.2/61

All: -108.449+/-39.329 χ^2/NDF: 276.9/118



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: 744.461+/-0.120 χ^2/NDF: 4515448.2/36

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

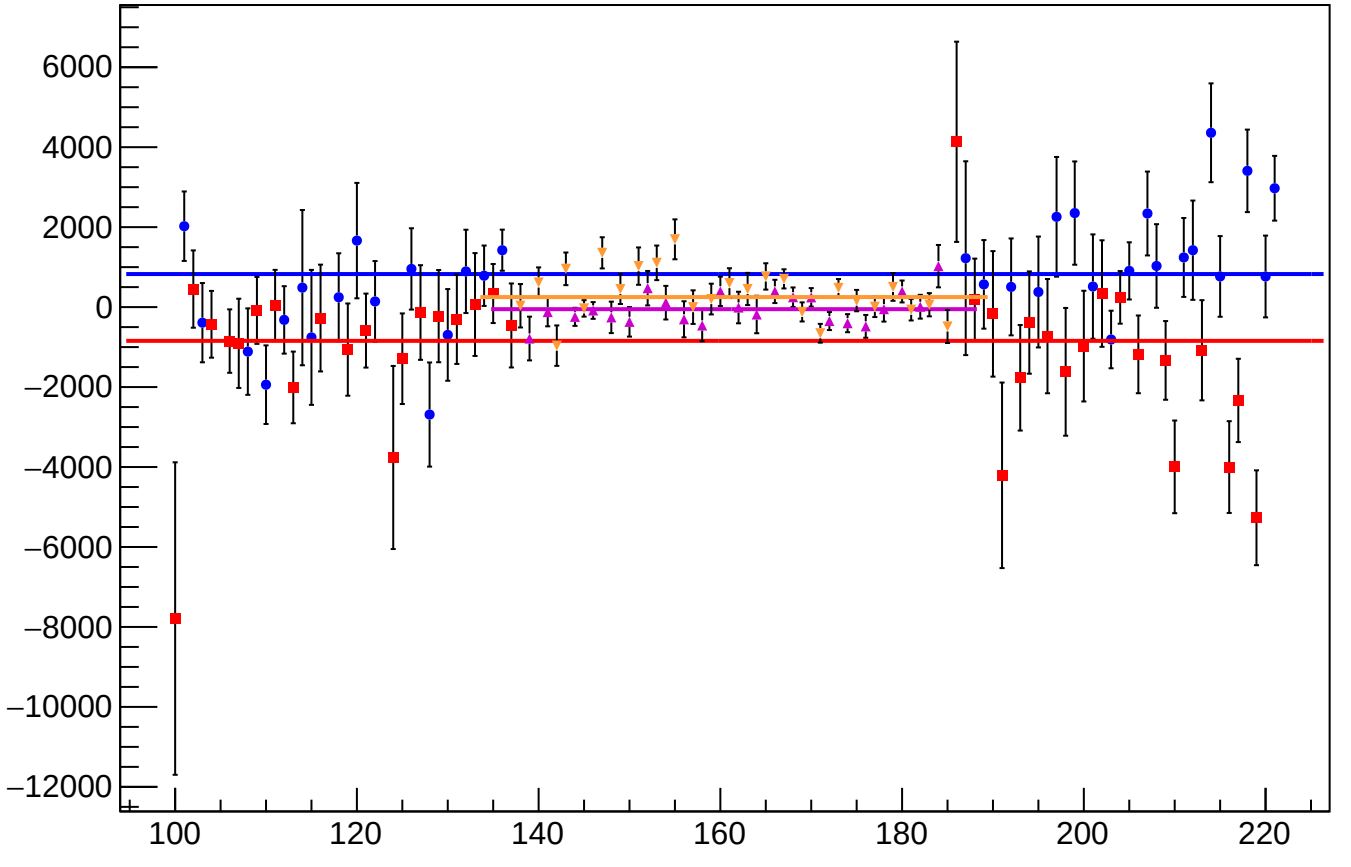
Right: 743.663+/-0.084 χ^2/NDF: 8032454.0/70

In: 300.551+/-0.040 χ^2/NDF:22056917.5/56

Out: 299.530+/-0.039 χ^2/NDF:22713693.3/61

All: 300.035+/-0.028 χ^2/NDF: 44770948.0/11

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: -843.927+/-179.666 χ^2/NDF: 57.8/36

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

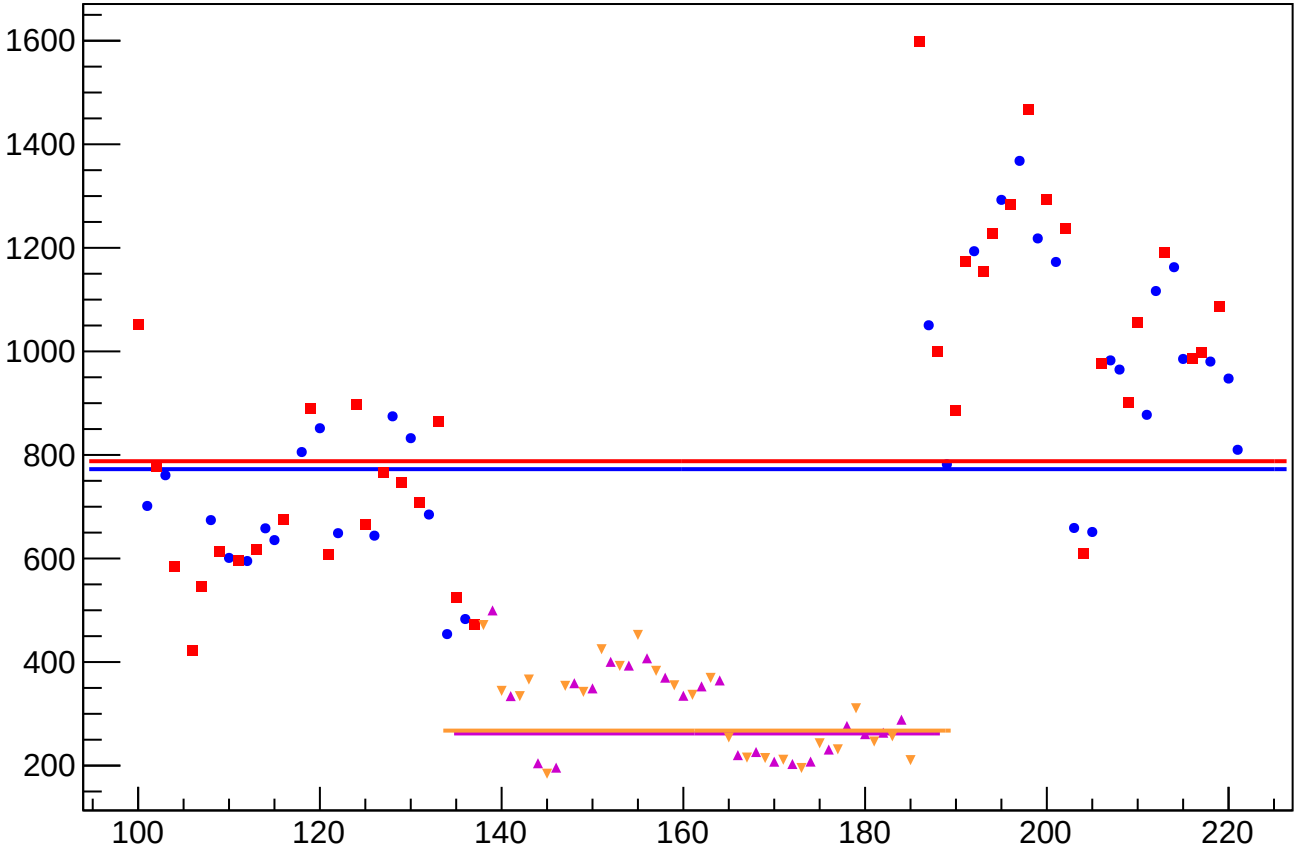
Right: 24.965+/-124.459 χ^2/NDF: 163.4/70

In: 54.030+/-59.877 χ^2/NDF:110.2/56

Out: 129.772+/-59.807 χ^2/NDF:158.4/61

All: 91.945+/-42.315 χ^2/NDF: 269.4/118

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: 787.902+/-0.127 χ^2/NDF: 4159107.7/36

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

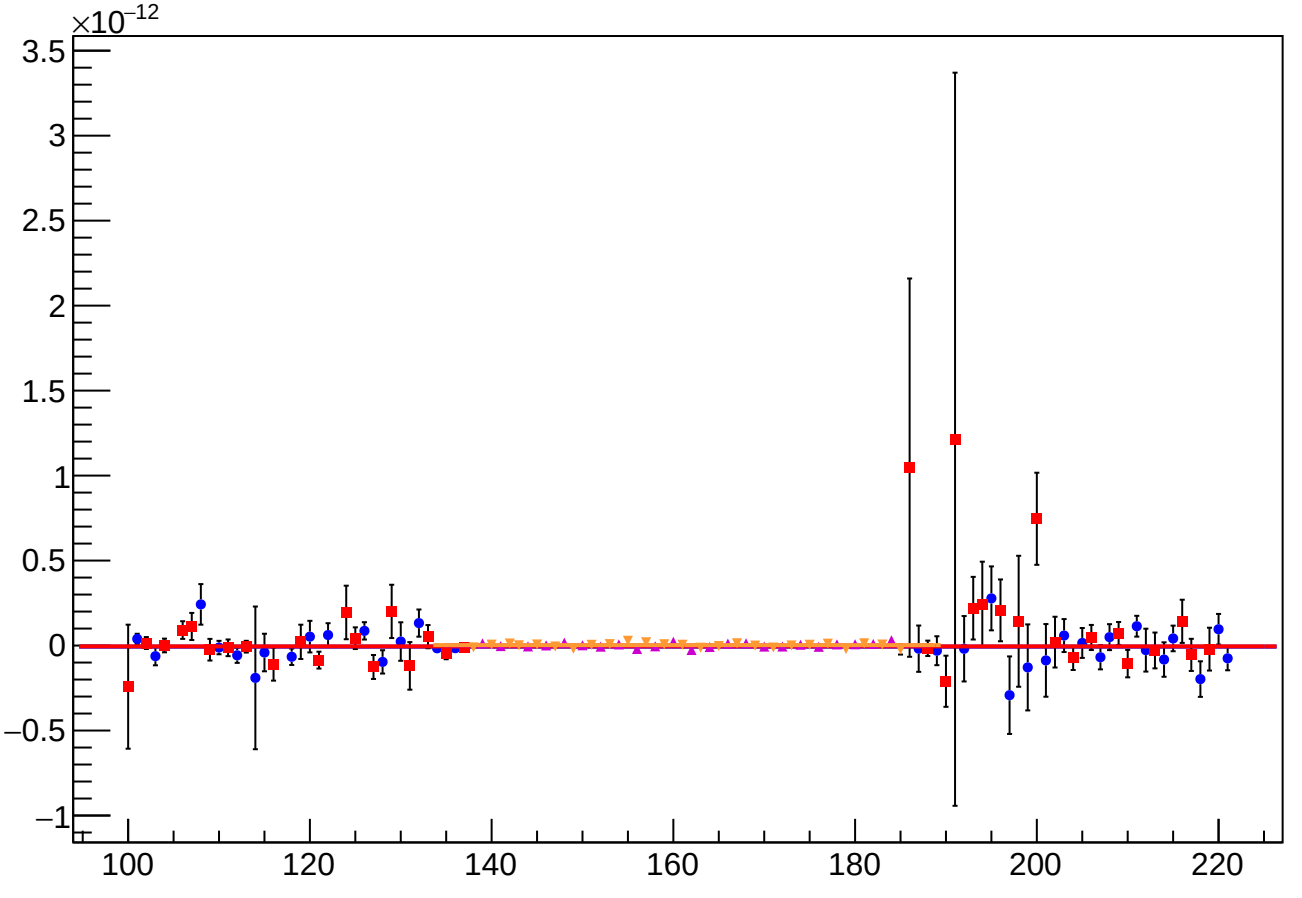
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 779.922+/-0.088 χ^2/NDF: 7613714.8/70

In: 323.546+/-0.042 χ^2/NDF:21377340.5/56

Out: 325.243+/-0.042 χ^2/NDF:21875624.7/61

All: 324.396+/-0.030 χ^2/NDF: 43253769.5/12



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: 40.8/36

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

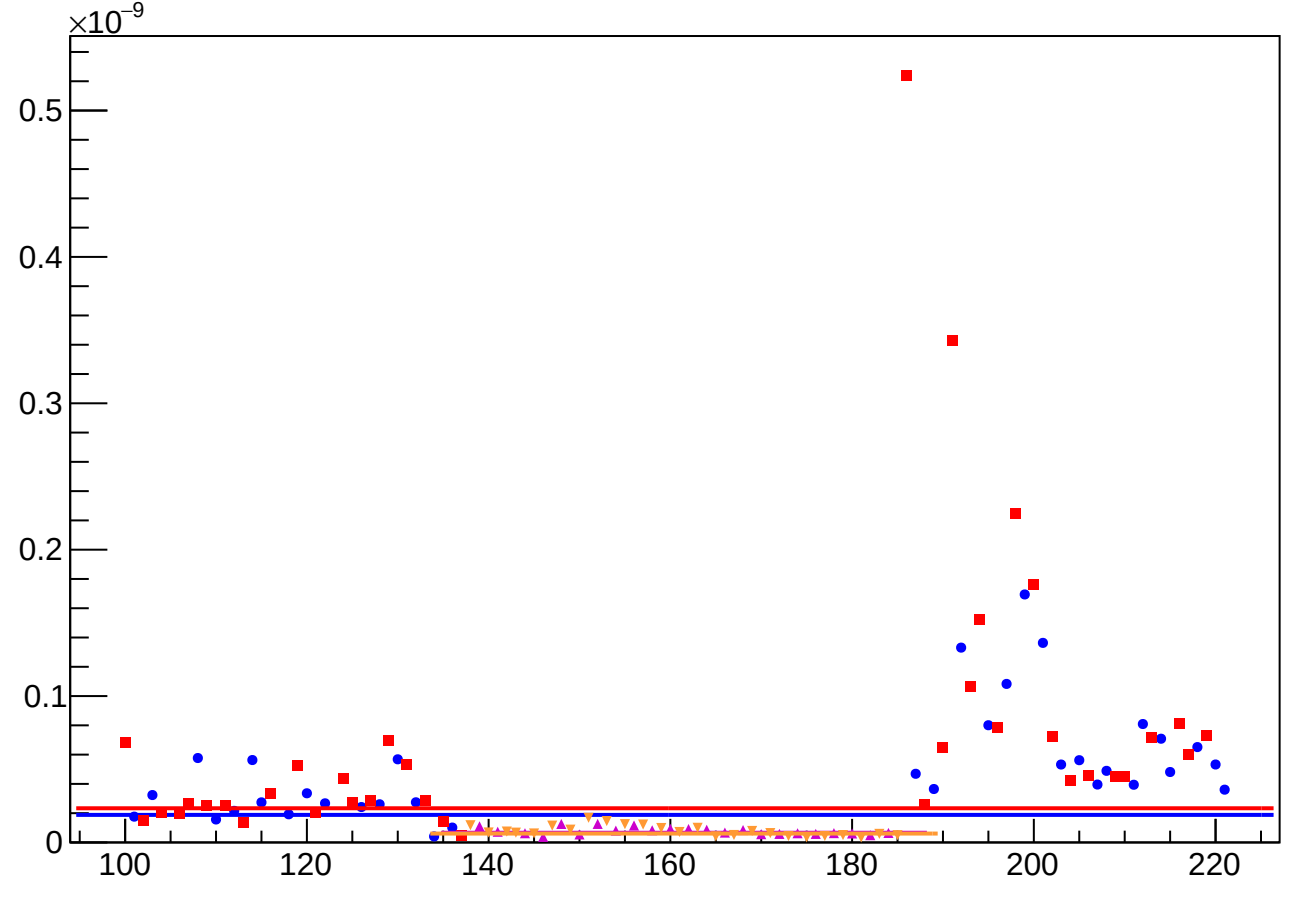
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 78.3/70

In: 0.000+/-0.000 χ^2/NDF:50.5/56

Out: 0.000+/-0.000 χ^2/NDF:56.5/61

All: 0.000+/-0.000 χ^2/NDF: 107.2/118



Right In: 0.000+/-0.000 χ^2/NDF: 8962224.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7483465.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

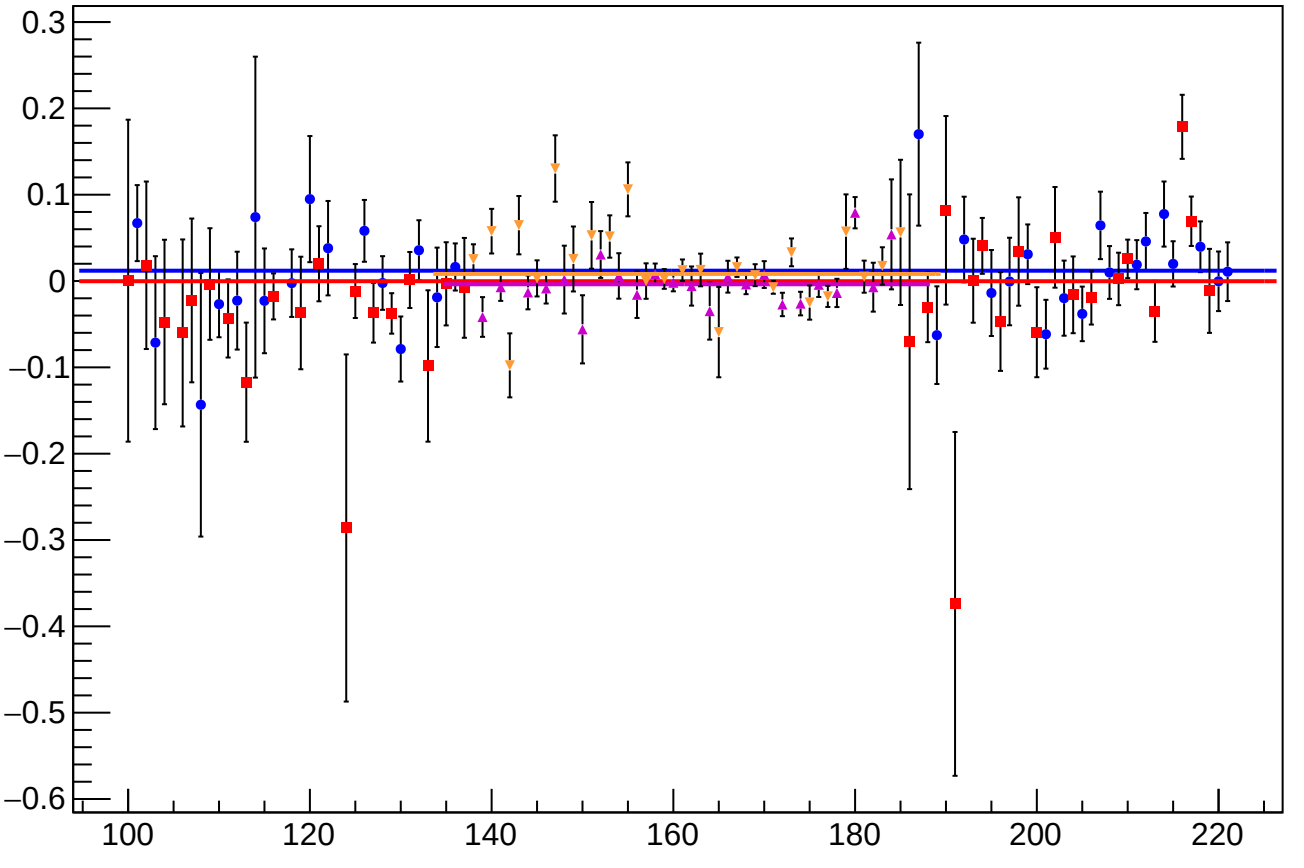
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16669328.2/70

In: 0.000+/-0.000 χ^2/NDF:13754972.4/56

Out: 0.000+/-0.000 χ^2/NDF:15138113.2/61

All: 0.000+/-0.000 χ^2/NDF: 28973941.9/118



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: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

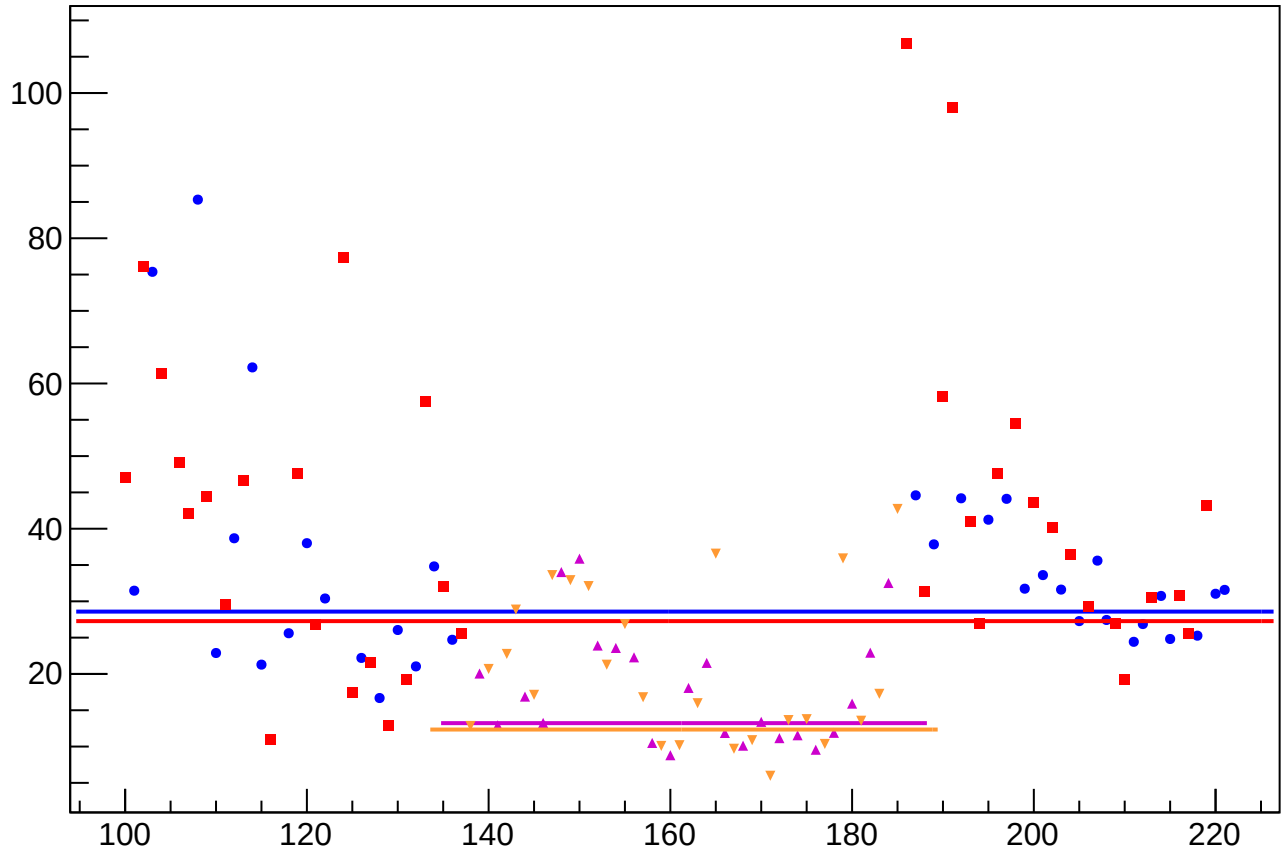
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.006+/-0.005 χ^2/NDF: 89.4/70

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.5/118



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: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

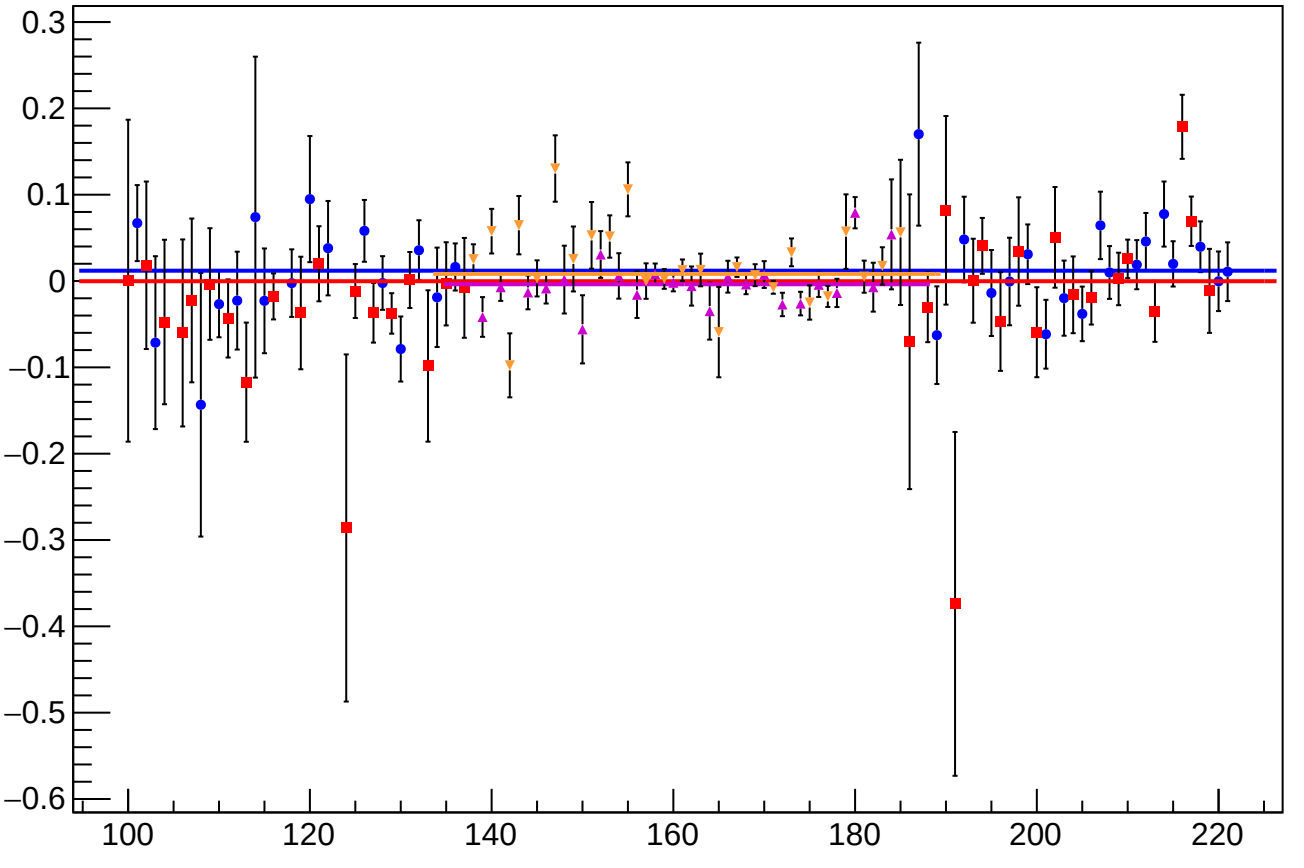
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.951+/-0.003 χ^2/NDF: 8652514.3/70

In: 16.635+/-0.002 χ^2/NDF:14188573.6/56

Out: 15.247+/-0.002 χ^2/NDF:20244214.8/61

All: 15.918+/-0.002 χ^2/NDF: 34626531.7/118



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: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

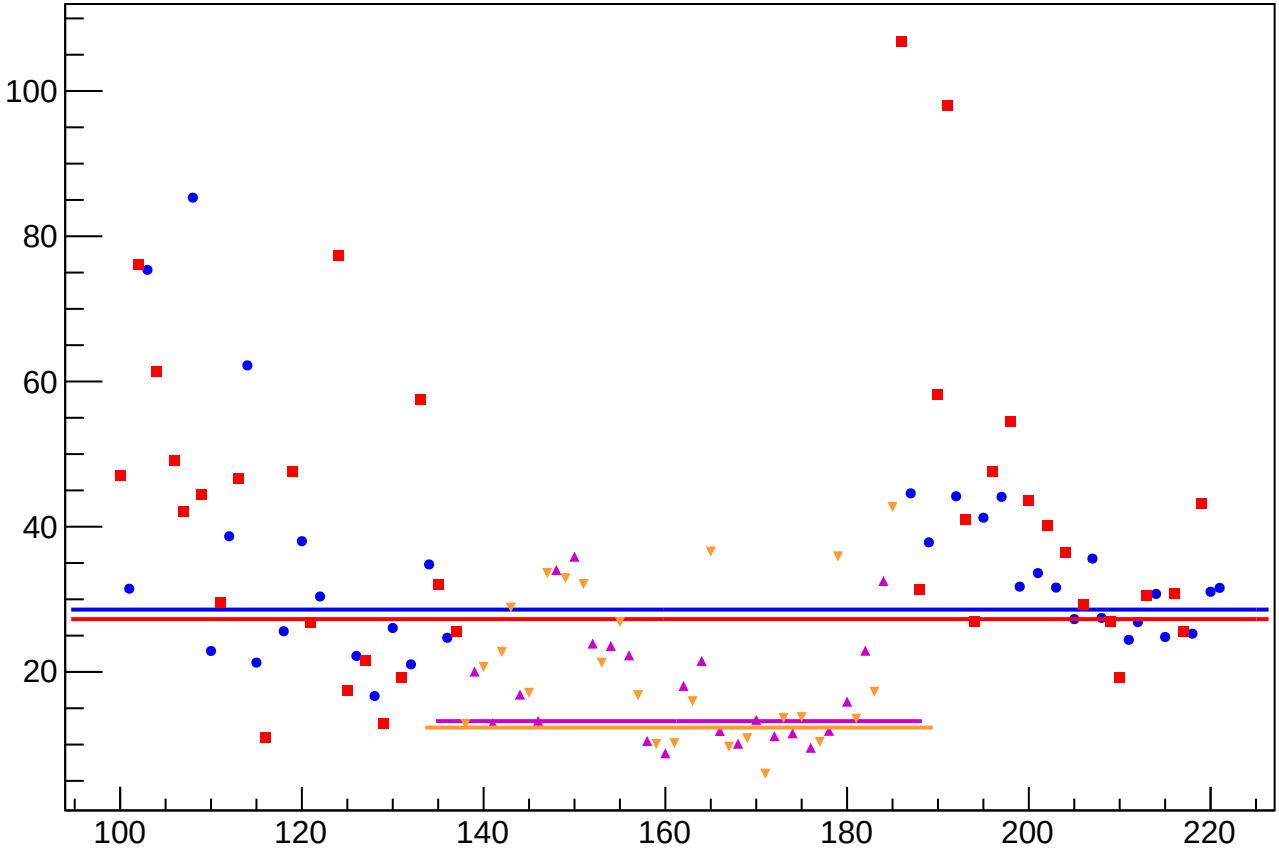
Right: 0.006+/-0.005 χ^2/NDF: 89.4/70

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.5/118

asym_sam_37_dd_dit_vs_eigen_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: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

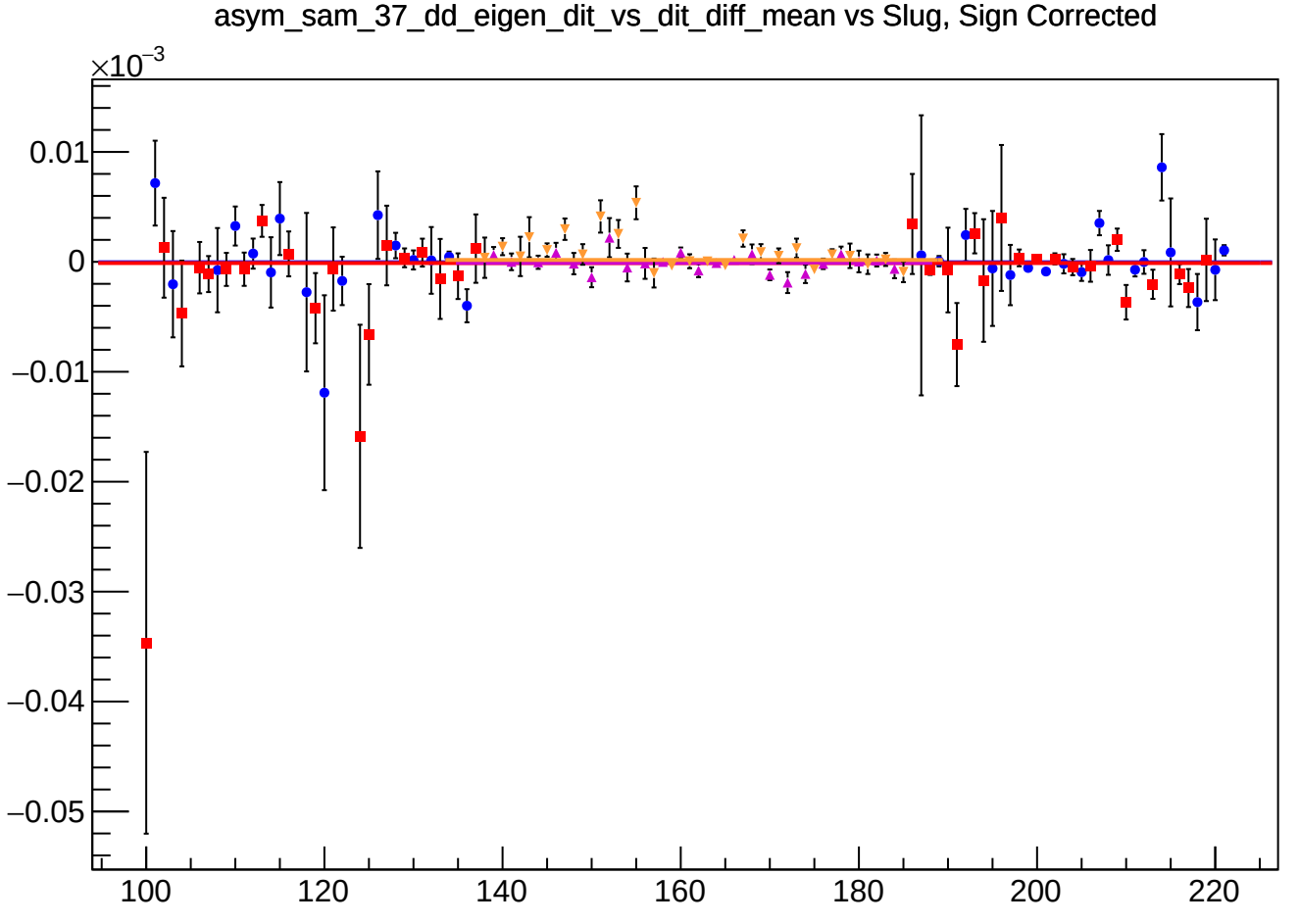
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.951+/-0.003 χ^2/NDF: 8652514.3/70

In: 16.635+/-0.002 χ^2/NDF:14188573.6/56

Out: 15.247+/-0.002 χ^2/NDF:20244214.8/61

All: 15.918+/-0.002 χ^2/NDF: 34626531.7/118



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: 46.2/36

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

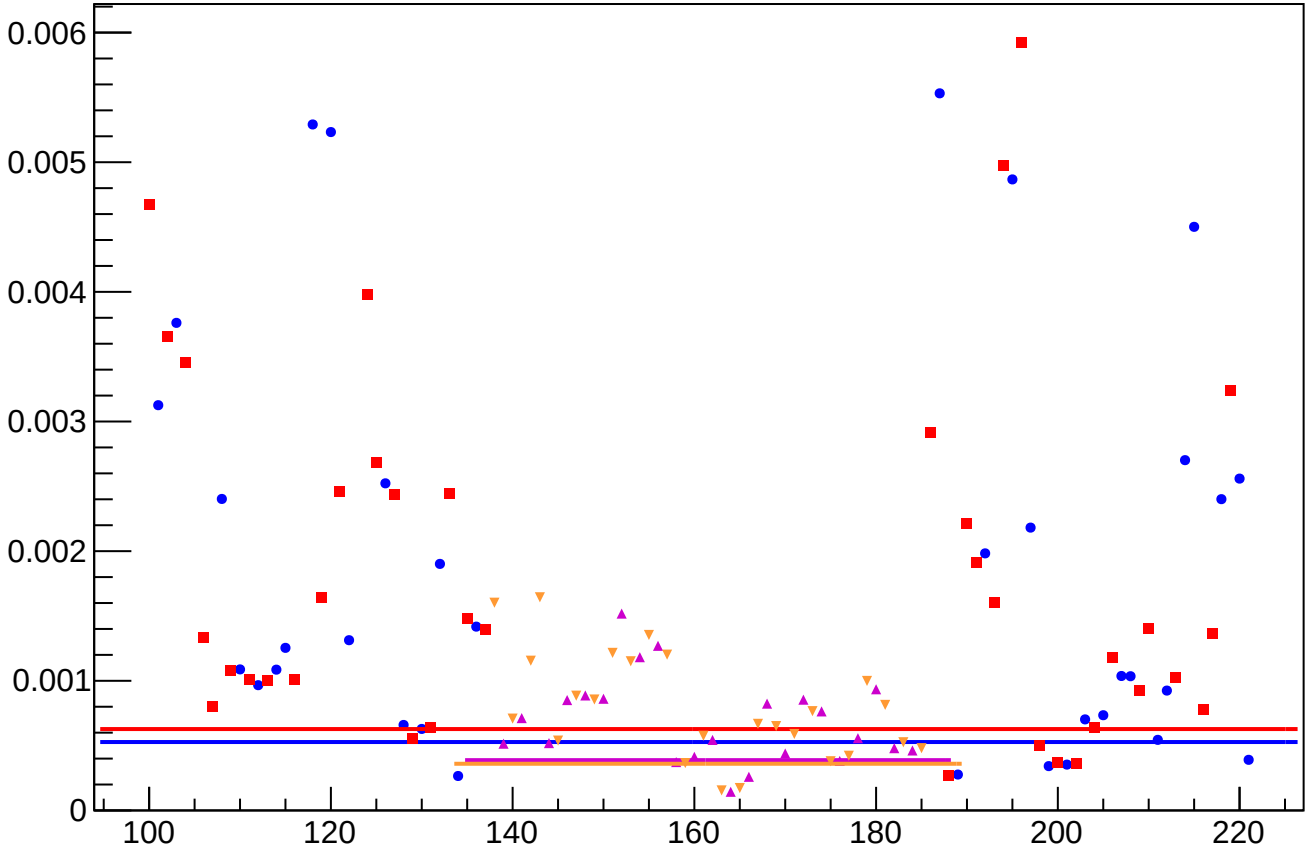
Right: -0.000+/-0.000 χ^2/NDF: 105.2/70

In: -0.000+/-0.000 χ^2/NDF:83.4/56

Out: 0.000+/-0.000 χ^2/NDF:109.3/61

All: 0.000+/-0.000 χ^2/NDF: 194.6/118

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: 14453562.7/36

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

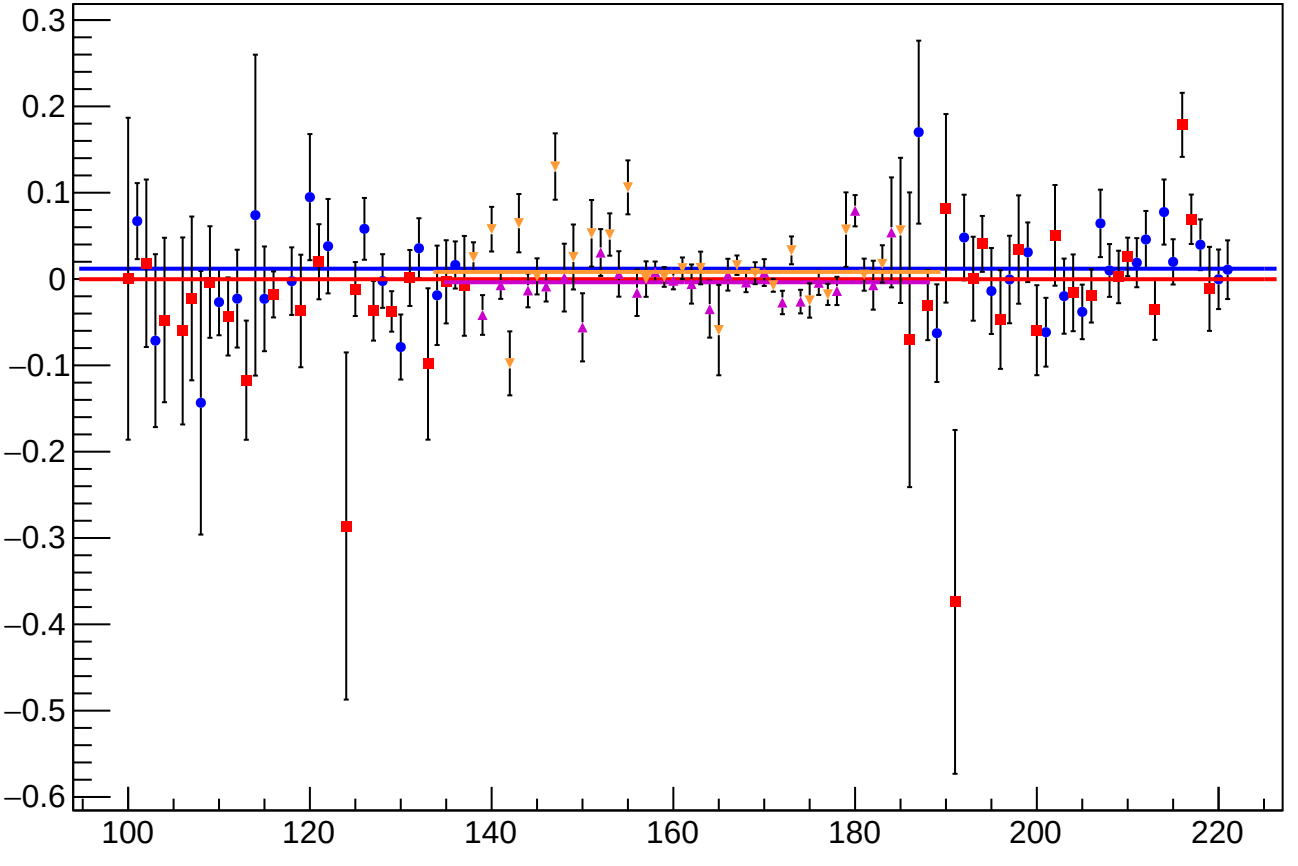
Right: 0.001+/-0.000 χ^2/NDF: 32097190.0/70

In: 0.000+/-0.000 χ^2/NDF:28814807.8/56

Out: 0.000+/-0.000 χ^2/NDF:31540601.9/61

All: 0.000+/-0.000 χ^2/NDF: 60372559.0/118

asym_sam_37_dd_eigen_dit_vs_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: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

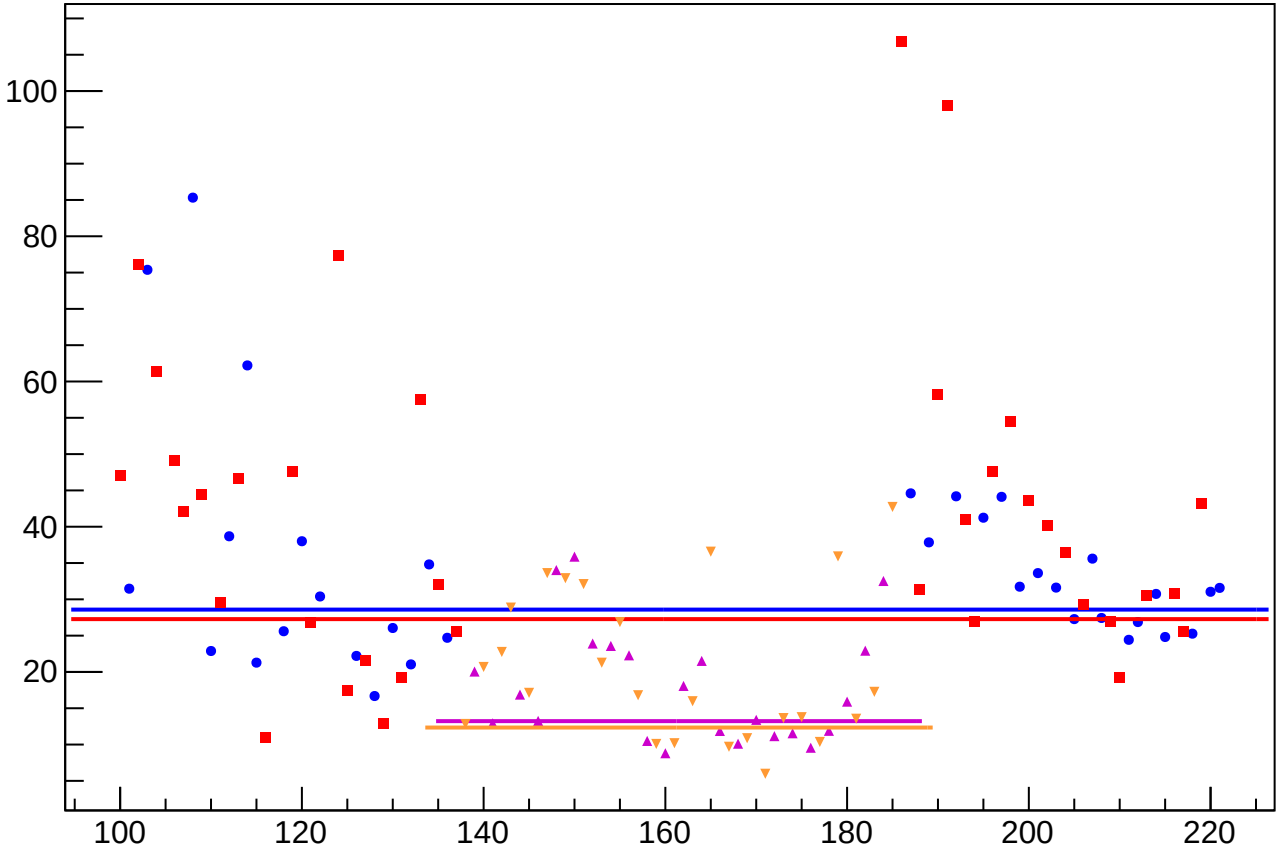
Right: 0.006+/-0.005 χ^2/NDF: 89.3/70

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.5/118

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: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

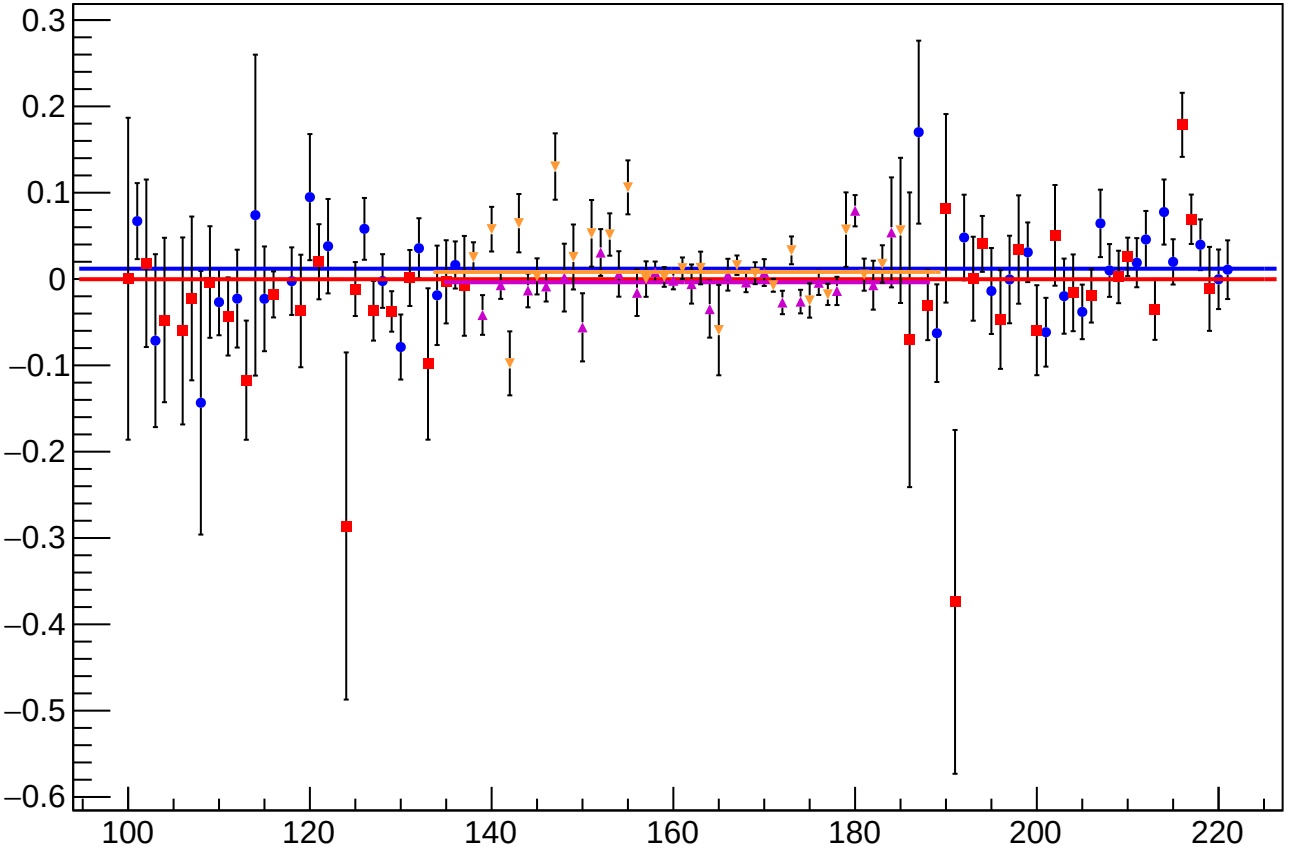
Right: 27.952+/-0.003 χ^2/NDF: 8652077.1/70

In: 16.635+/-0.002 χ^2/NDF:14188852.2/56

Out: 15.247+/-0.002 χ^2/NDF:20244388.0/61

All: 15.918+/-0.002 χ^2/NDF: 34626967.3/118

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: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

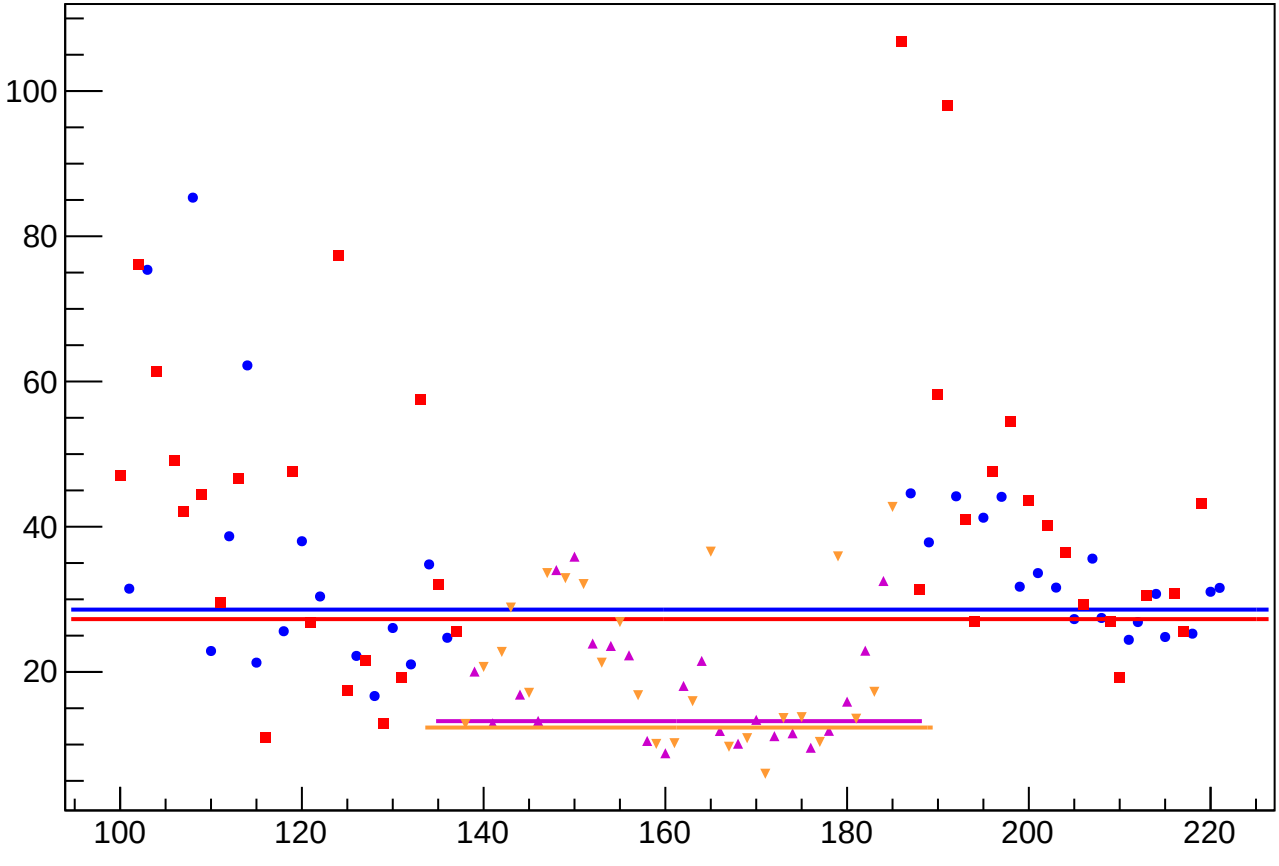
Right: 0.006+/-0.005 χ^2/NDF: 89.3/70

In: -0.000+/-0.003 χ^2/NDF:75.2/56

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.5/118

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: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

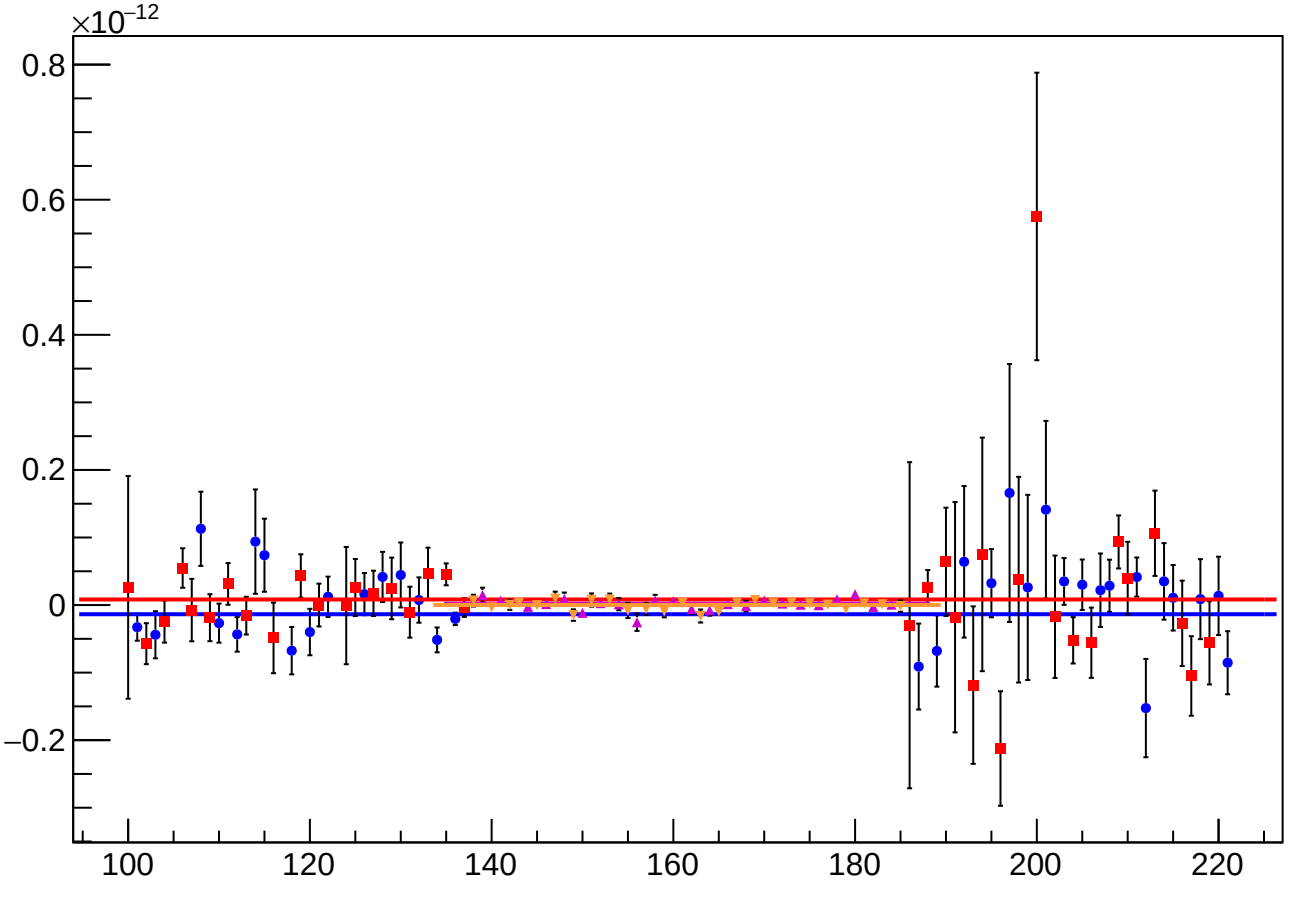
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.952+/-0.003 χ^2/NDF: 8652077.1/70

In: 16.635+/-0.002 χ^2/NDF:14188852.2/56

Out: 15.247+/-0.002 χ^2/NDF:20244388.0/61

All: 15.918+/-0.002 χ^2/NDF: 34626967.3/118



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: 53.9/36

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

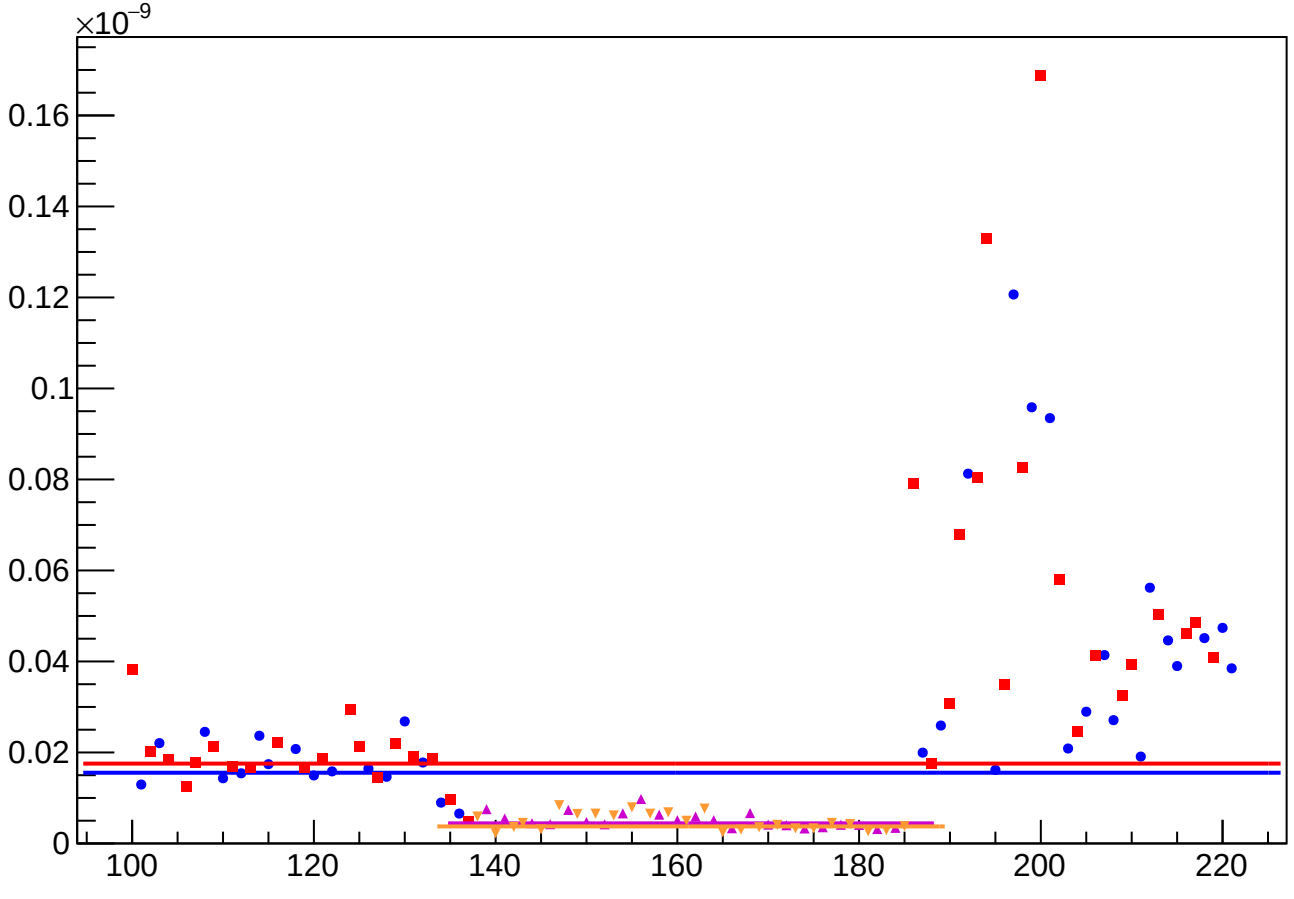
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 109.9/70

In: 0.000+/-0.000 χ^2/NDF:81.9/56

Out: 0.000+/-0.000 χ^2/NDF:77.2/61

All: 0.000+/-0.000 χ^2/NDF: 159.2/118



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: 9005481.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

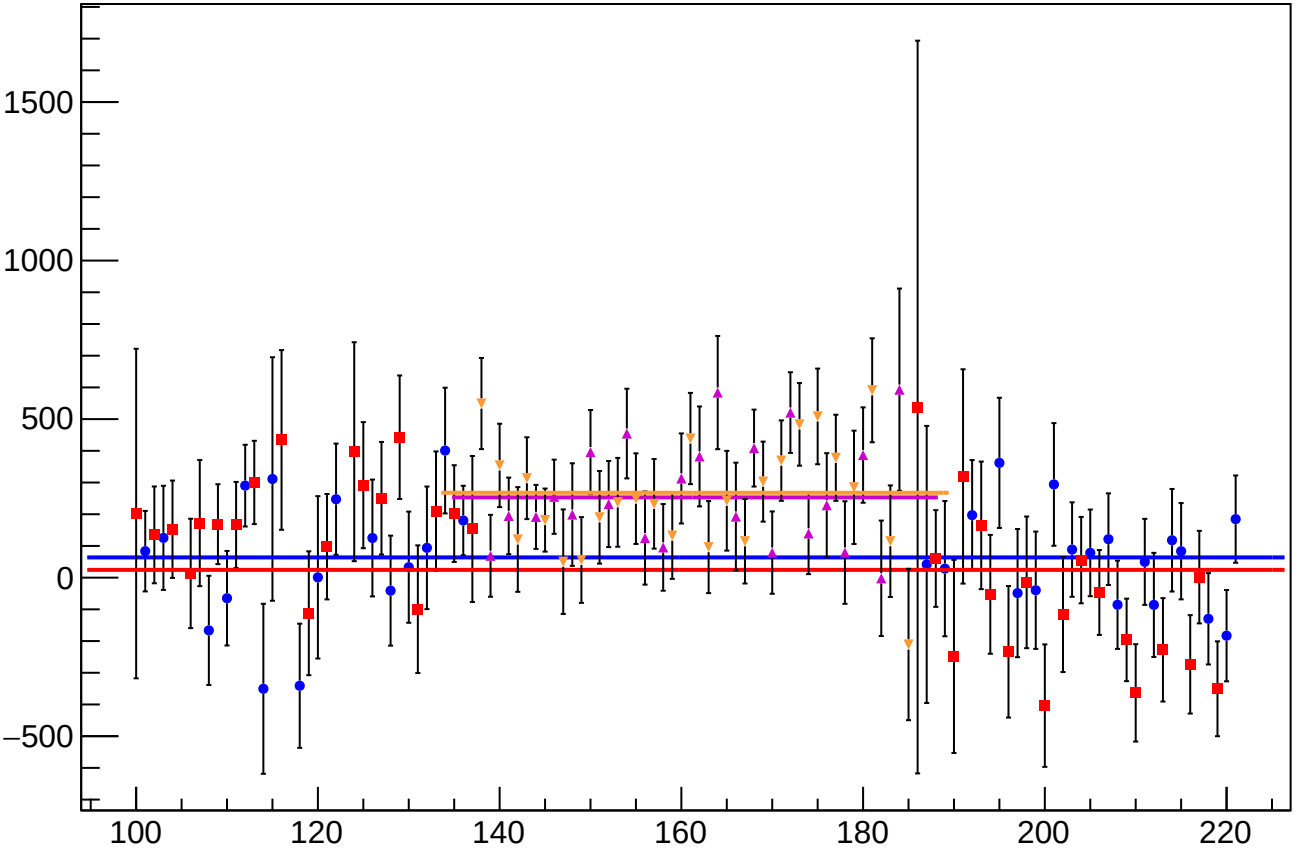
Right: 0.000+/-0.000 χ^2/NDF: 18580022.1/70

In: 0.000+/-0.000 χ^2/NDF:19234272.7/56

Out: 0.000+/-0.000 χ^2/NDF:22089823.3/61

All: 0.000+/-0.000 χ^2/NDF: 41771814.2/118

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



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: 24.559+/-28.789 χ^2/NDF: 55.3/36

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

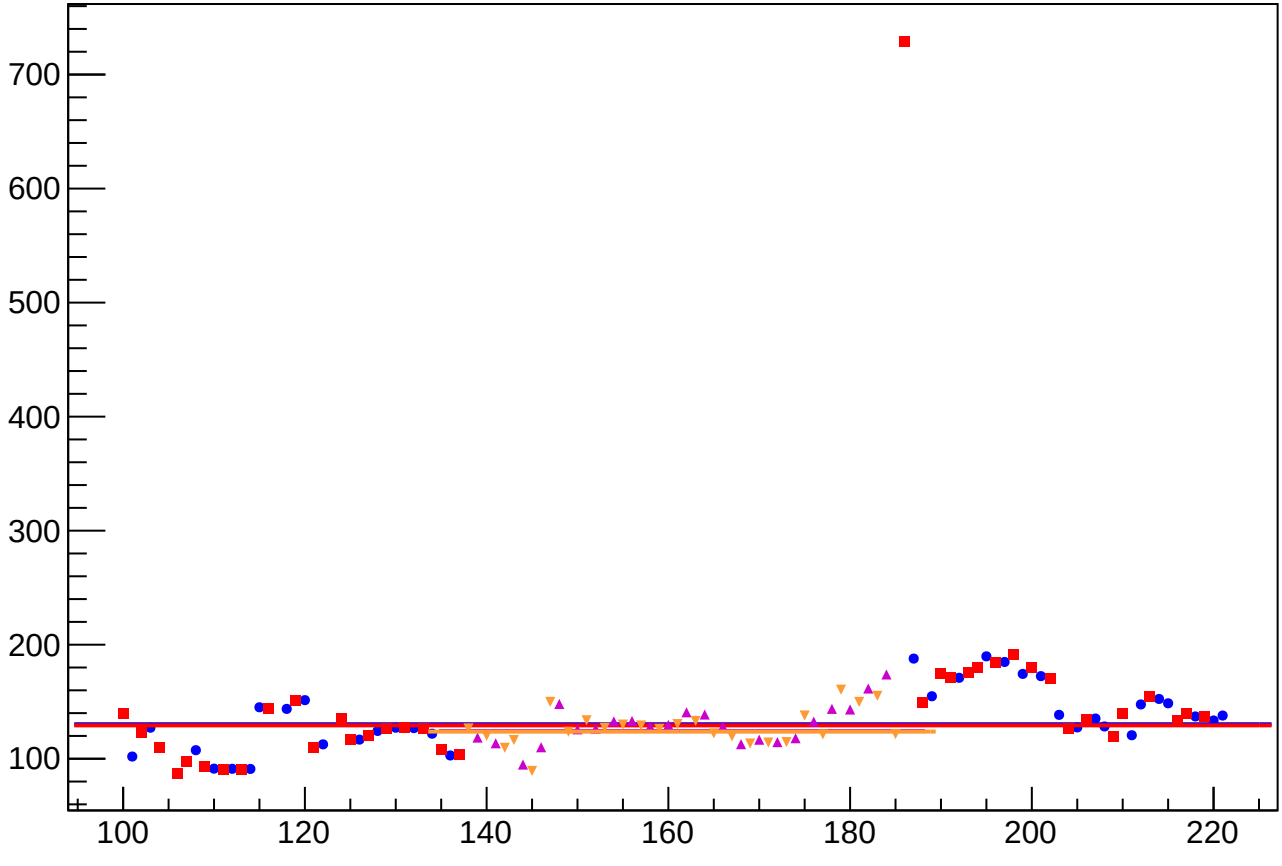
Right: 44.521+/-20.183 χ^2/NDF: 87.4/70

In: 155.117+/-20.361 χ^2/NDF:78.9/56

Out: 147.792+/-20.221 χ^2/NDF:122.4/61

All: 151.429+/-14.348 χ^2/NDF: 201.4/118

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: 129.257+/-0.020 χ^2/NDF: 2404627.4/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

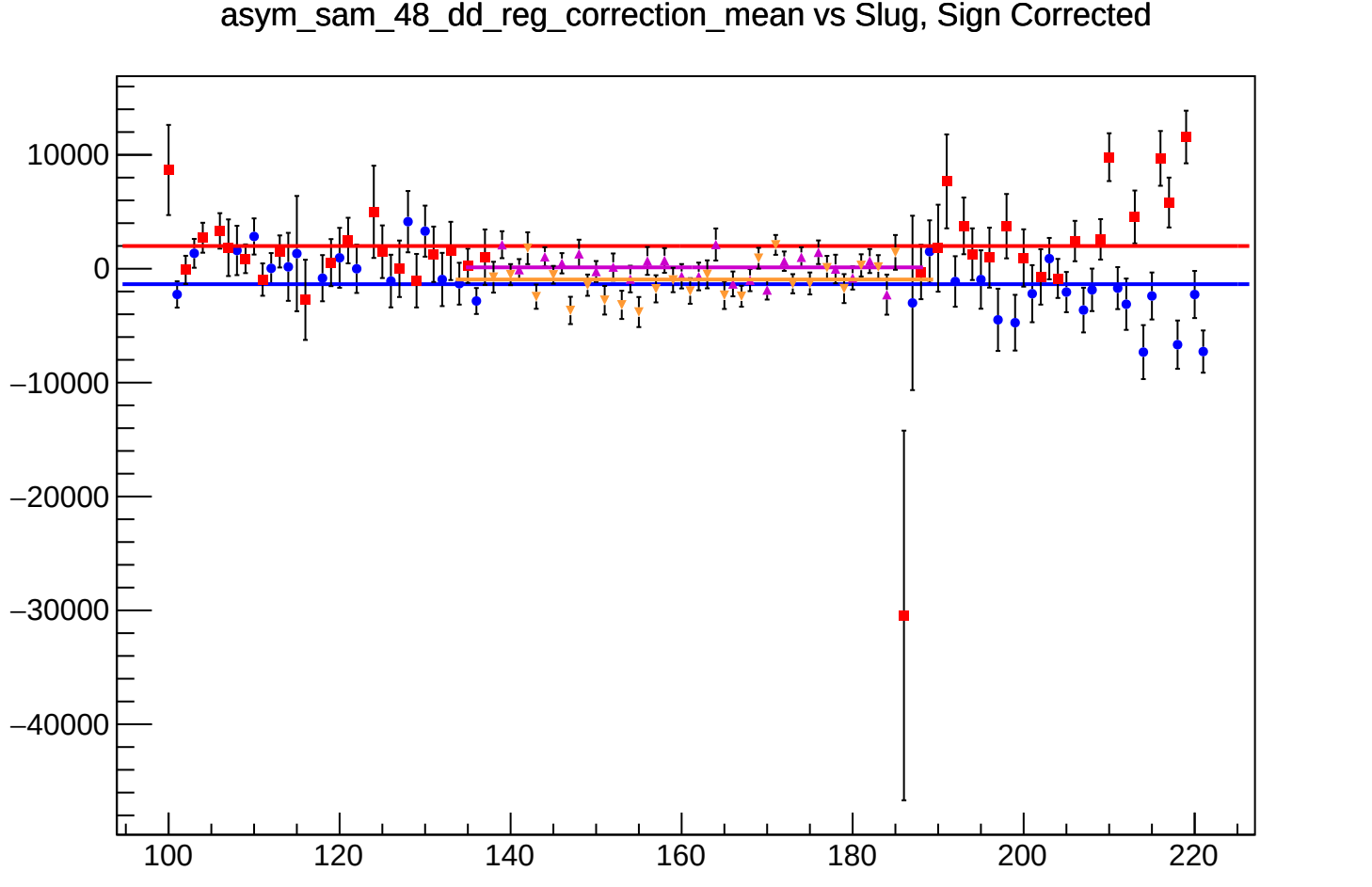
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 129.769+/-0.014 χ^2/NDF: 3908159.1/70

In: 127.366+/-0.014 χ^2/NDF:2102937.5/56

Out: 126.496+/-0.014 χ^2/NDF:3039380.1/61

All: 126.928+/-0.010 χ^2/NDF: 5144159.0/118



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: 1993.346+/-337.041 χ^2/NDF: 76.6/36

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

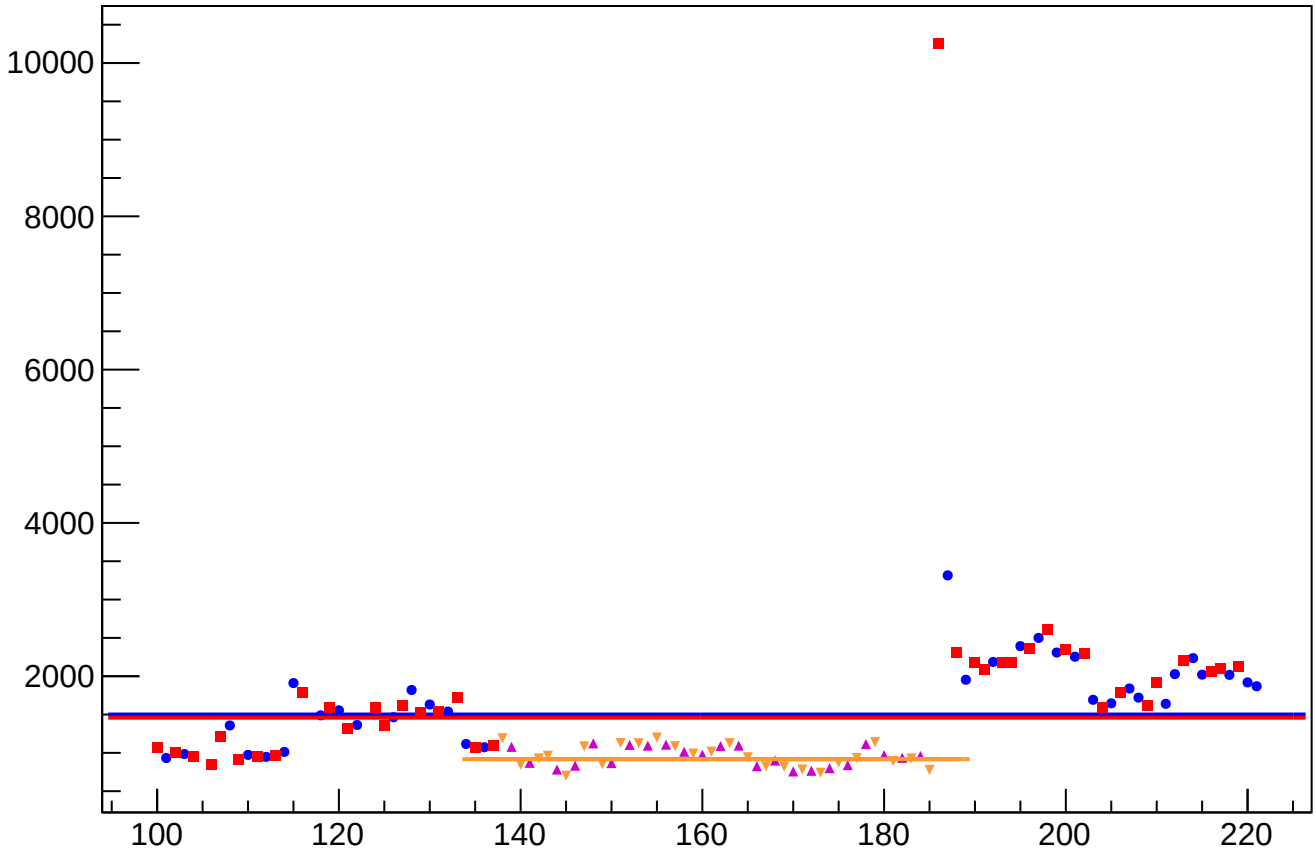
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 312.834+/-237.953 χ^2/NDF: 184.7/70

In: -316.391+/-182.386 χ^2/NDF:96.5/56

Out: -115.132+/-179.327 χ^2/NDF:181.5/61

All: -214.060+/-127.871 χ^2/NDF: 278.6/118



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: 1459.192+/-0.238 χ^2/NDF: 5294077.0/36

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

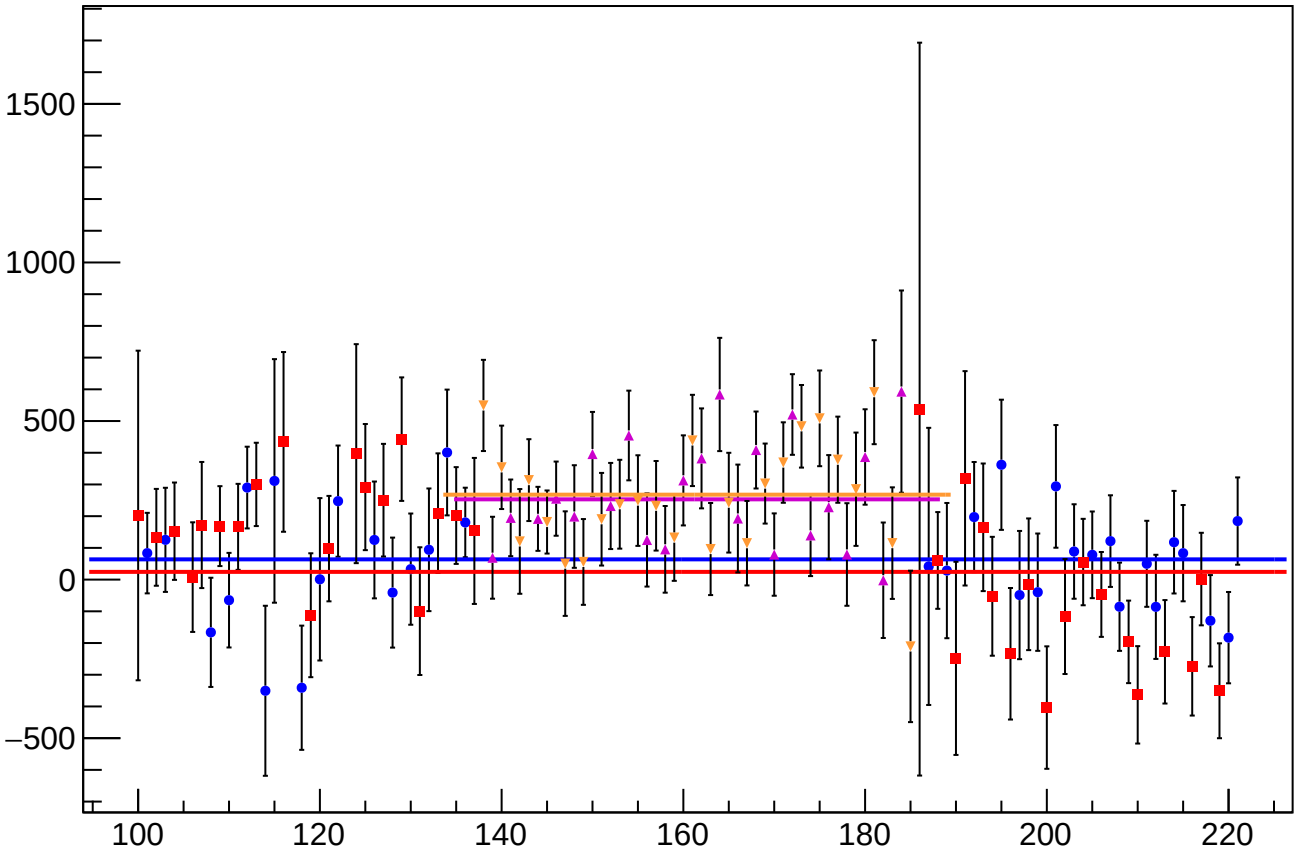
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1479.836+/-0.168 χ^2/NDF: 9282077.2/70

In: 1089.745+/-0.129 χ^2/NDF:8873953.3/56

Out: 1071.566+/-0.127 χ^2/NDF:9871906.5/61

All: 1080.502+/-0.090 χ^2/NDF: 18755963.3/1



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: 24.349+/-28.791 χ^2/NDF: 55.2/36

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

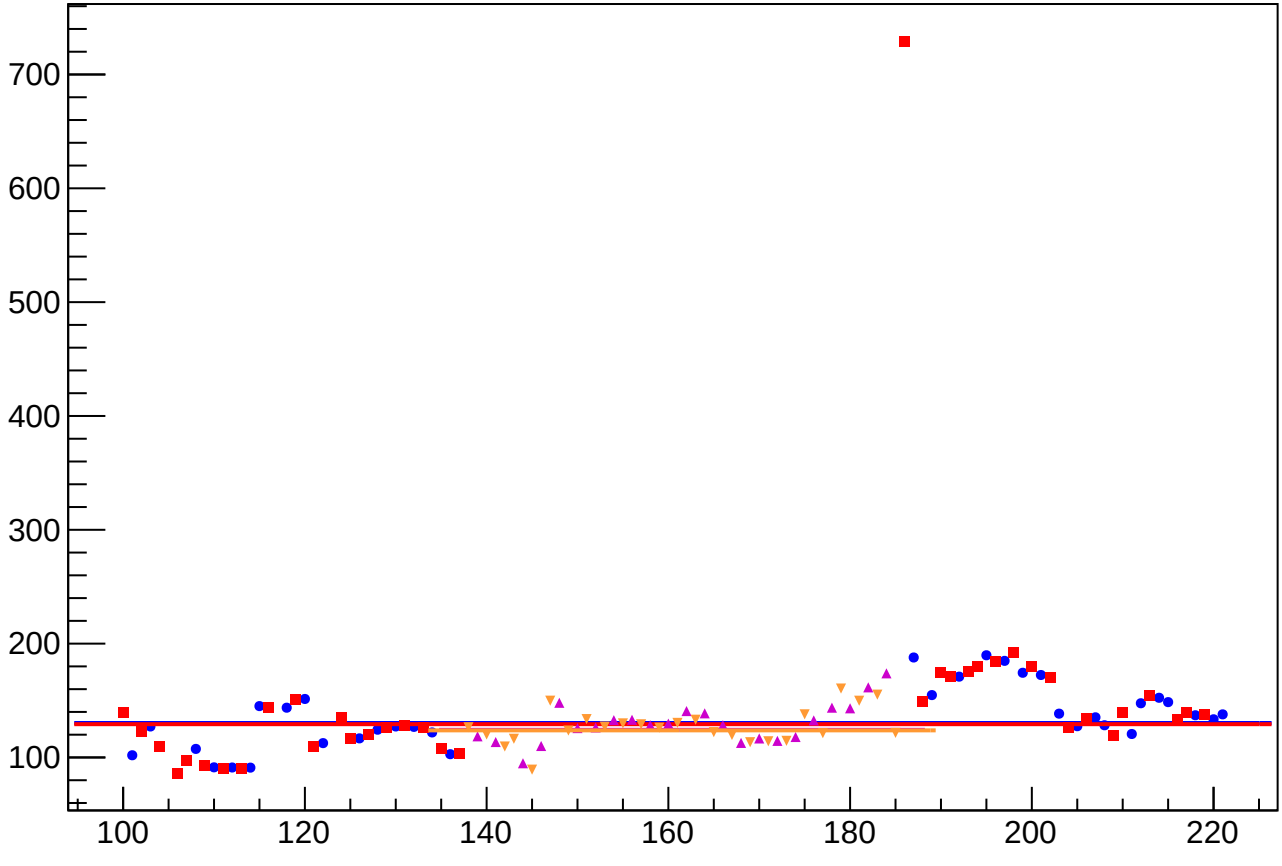
Right: 44.416+/-20.184 χ^2/NDF: 87.4/70

In: 155.116+/-20.361 χ^2/NDF:78.9/56

Out: 147.701+/-20.221 χ^2/NDF:122.5/61

All: 151.383+/-14.348 χ^2/NDF: 201.4/118

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: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

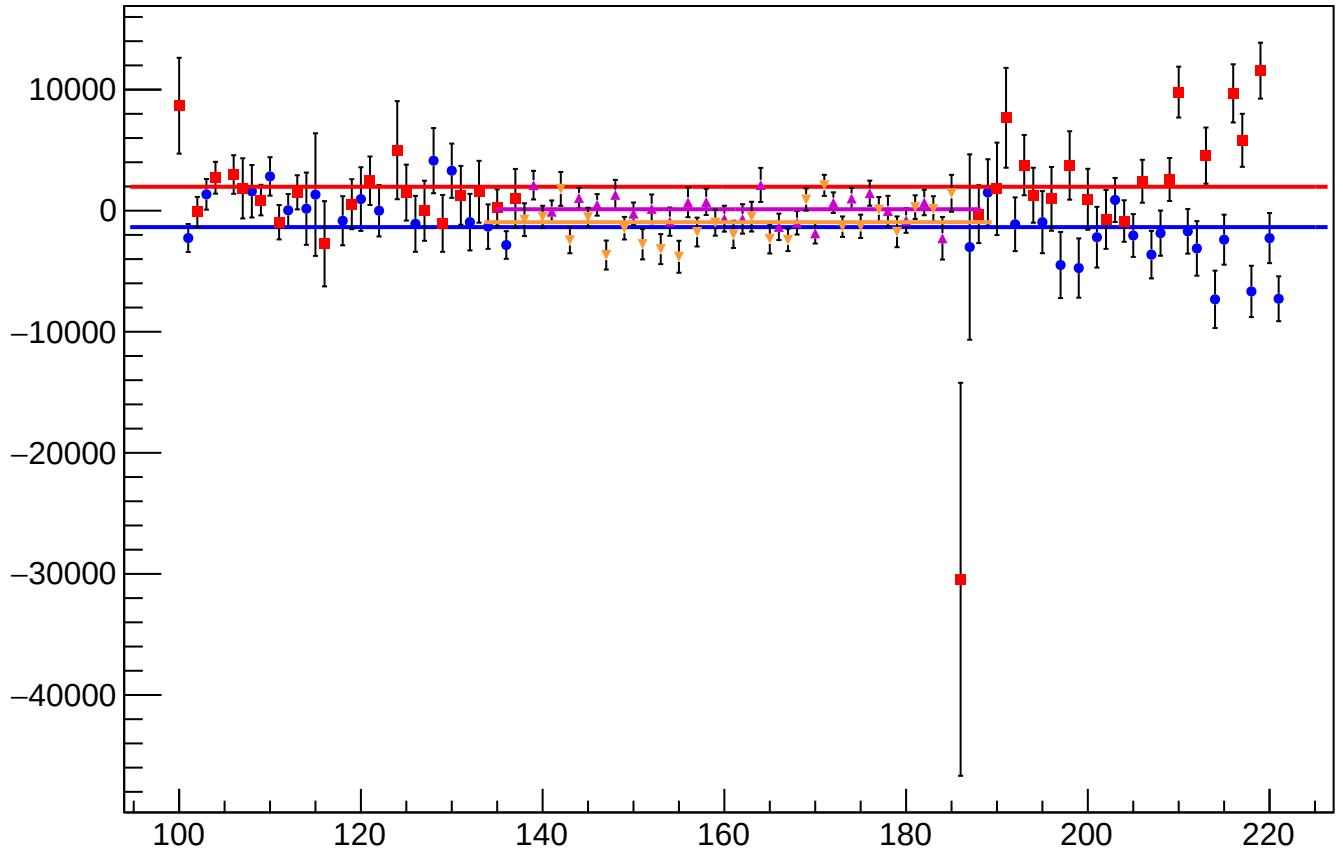
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.756+/-0.014 χ^2/NDF: 3914288.8/70

In: 127.366+/-0.014 χ^2/NDF:2102937.6/56

Out: 126.483+/-0.014 χ^2/NDF:3045106.0/61

All: 126.922+/-0.010 χ^2/NDF: 5149939.1/118



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: 1975.788+/-337.412 χ^2/NDF: 76.2/36

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

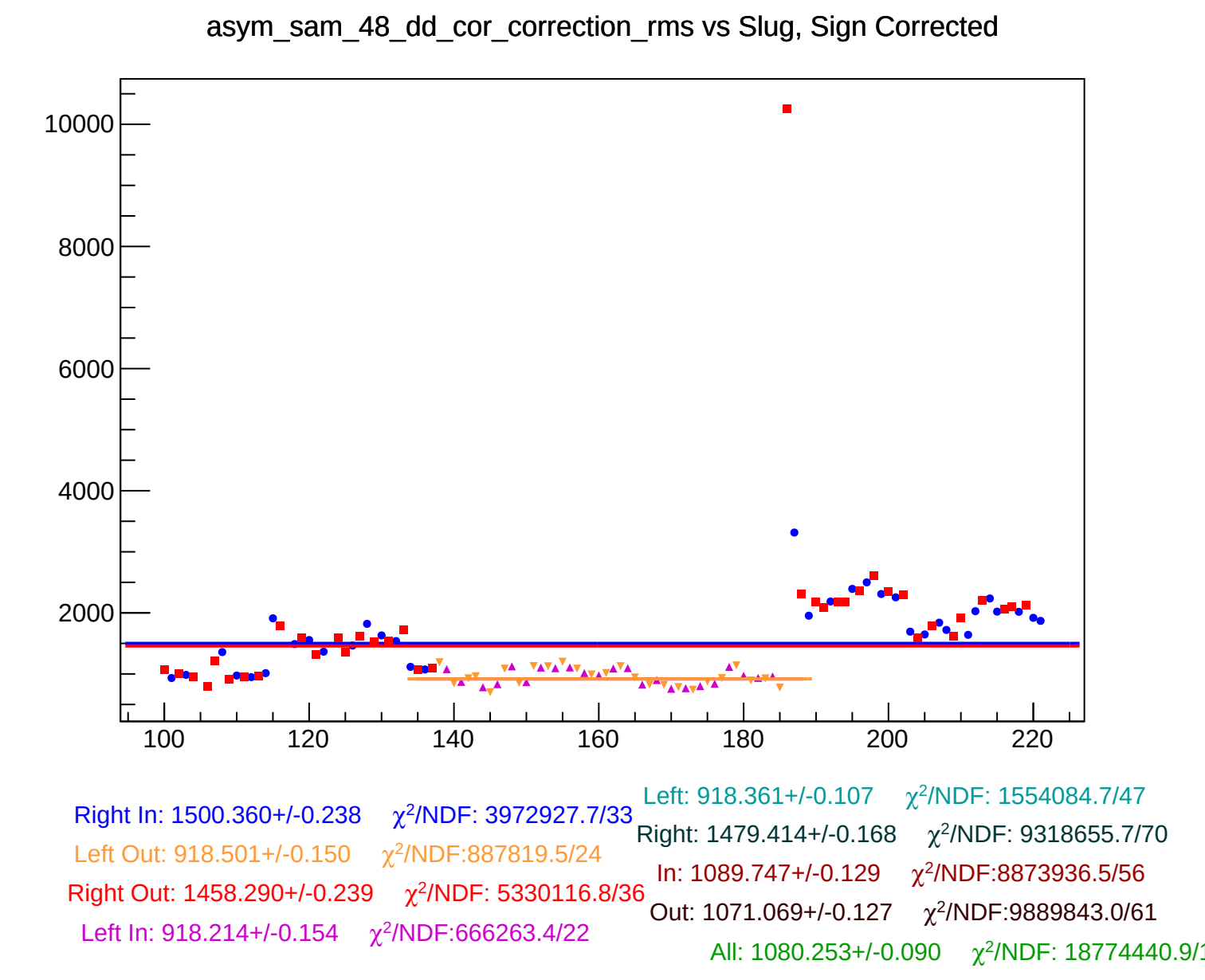
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

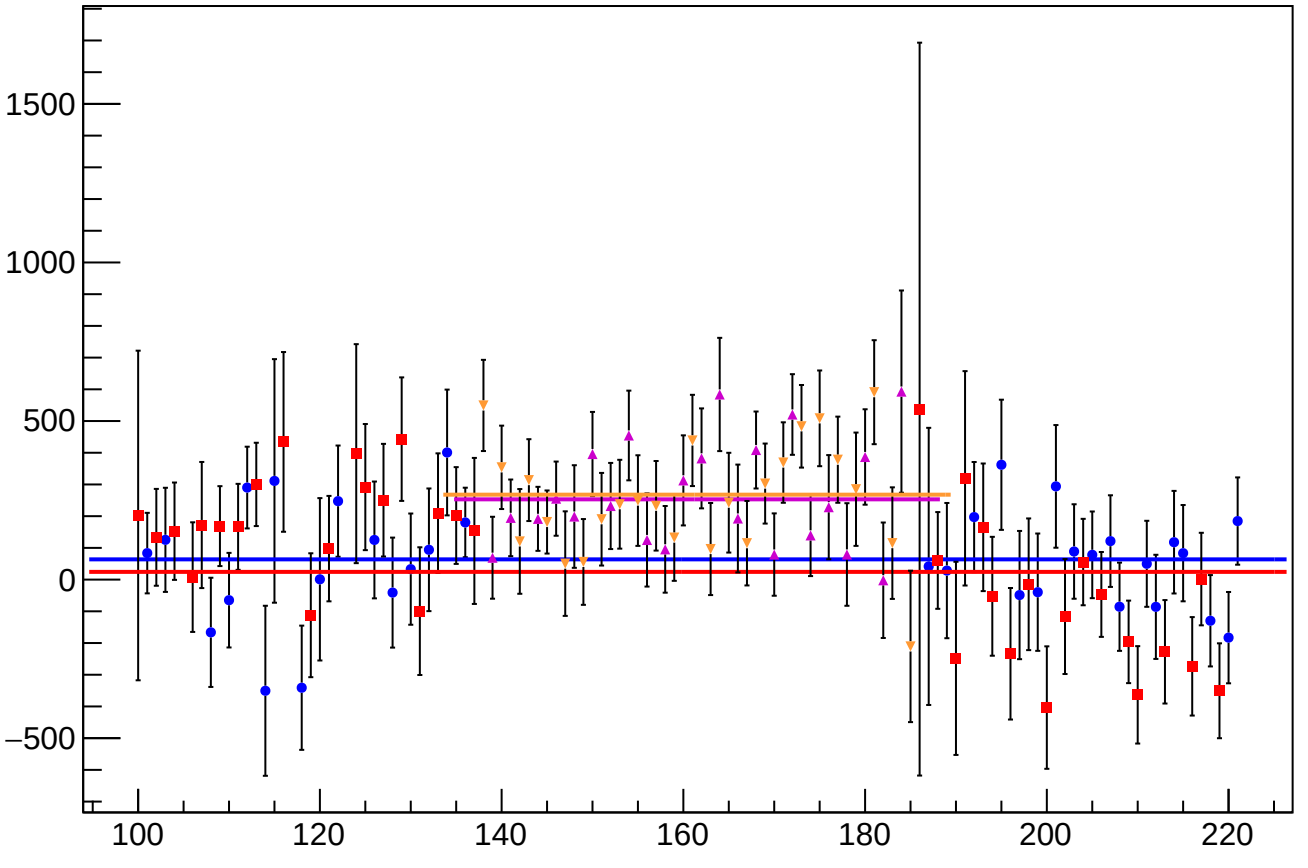
Right: 302.224+/-238.084 χ^2/NDF: 183.8/70

In: -316.404+/-182.386 χ^2/NDF:96.5/56

Out: -121.401+/-179.383 χ^2/NDF:180.4/61

All: -217.284+/-127.891 χ^2/NDF: 277.5/118


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: 1458.290+/-0.239 χ²/NDF: 5330116.8/36
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1479.414+/-0.168 χ²/NDF: 9318655.7/70
In: 1089.747+/-0.129 χ²/NDF:8873936.5/56
Out: 1071.069+/-0.127 χ²/NDF:9889843.0/61
All: 1080.253+/-0.090 χ²/NDF: 18774440.9/1



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: 24.349+/-28.791 χ^2/NDF: 55.2/36

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

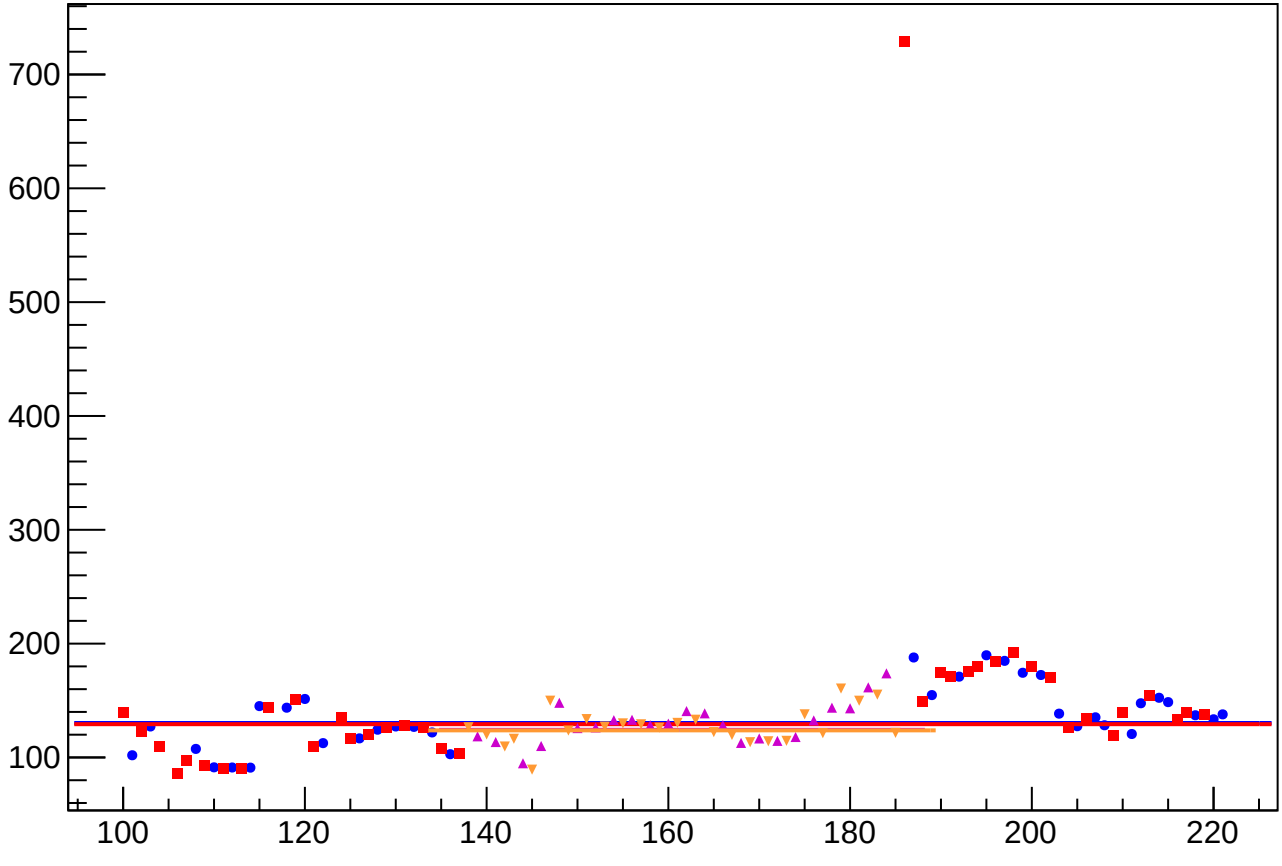
Right: 44.416+/-20.184 χ^2/NDF: 87.4/70

In: 155.116+/-20.361 χ^2/NDF:78.9/56

Out: 147.701+/-20.221 χ^2/NDF:122.5/61

All: 151.383+/-14.348 χ^2/NDF: 201.4/118

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: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

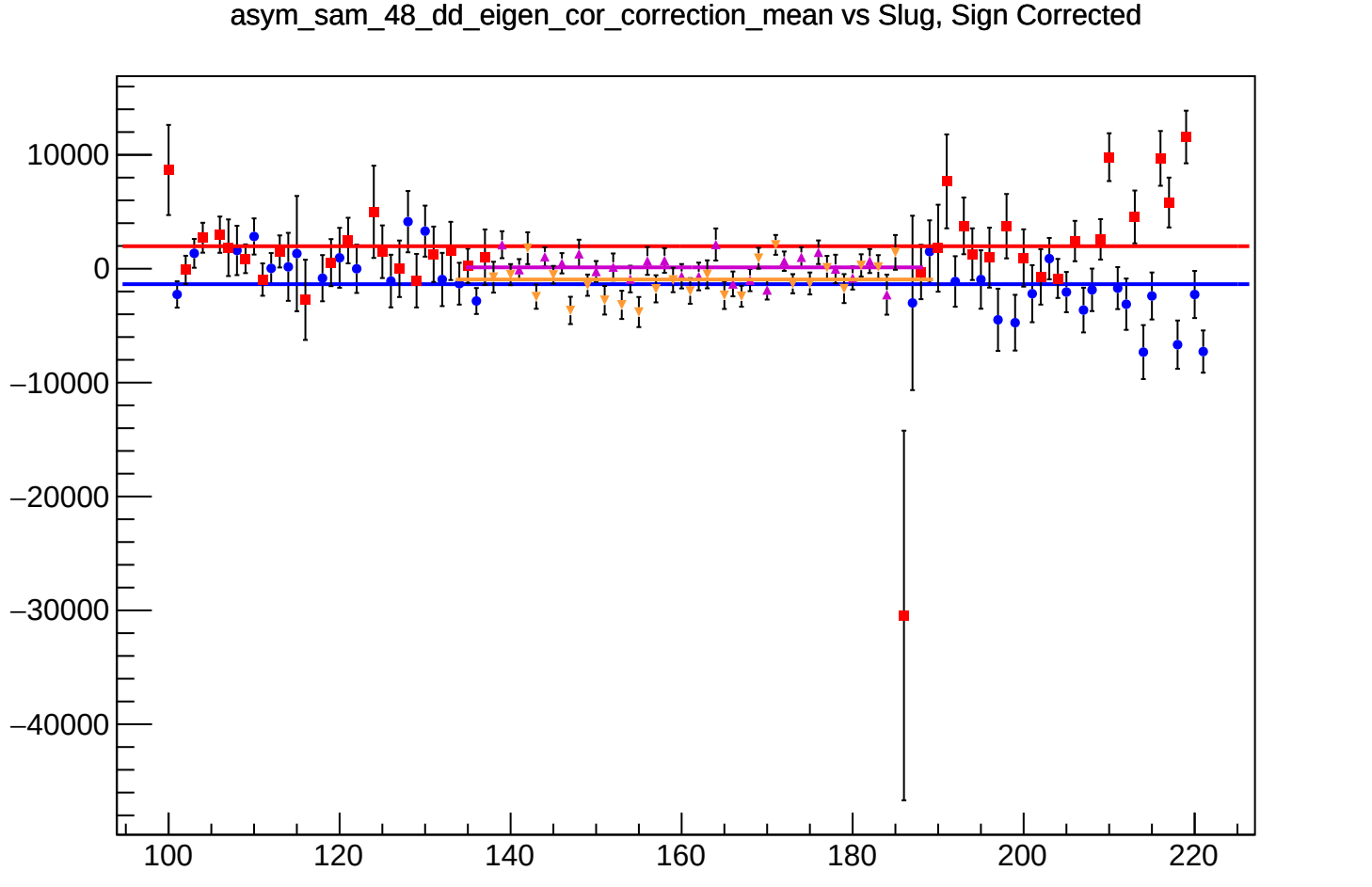
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.756+/-0.014 χ^2/NDF: 3914288.8/70

In: 127.366+/-0.014 χ^2/NDF:2102937.6/56

Out: 126.483+/-0.014 χ^2/NDF:3045106.0/61

All: 126.922+/-0.010 χ^2/NDF: 5149939.1/118



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: 1975.788+/-337.412 χ^2/NDF: 76.2/36

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

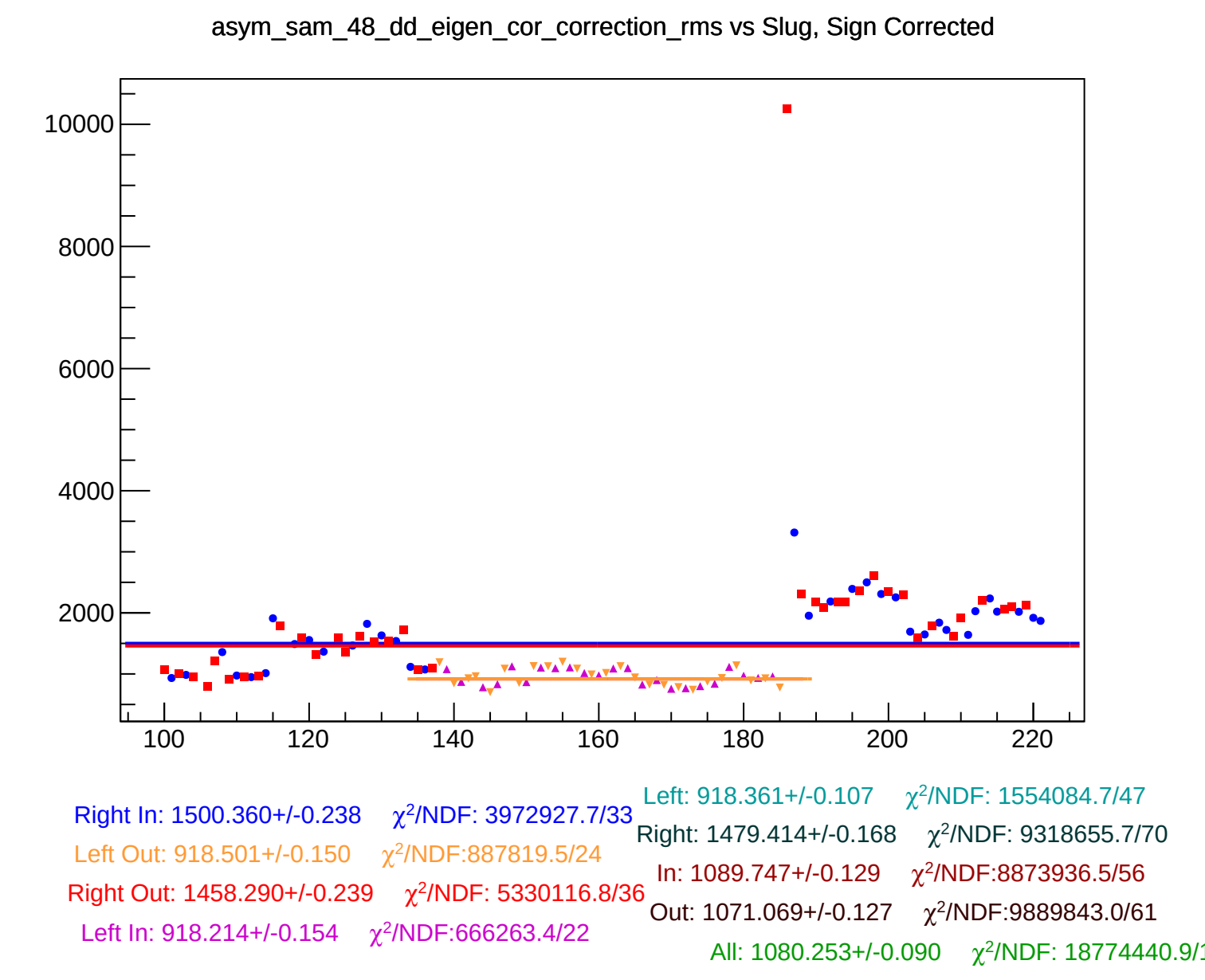
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 302.224+/-238.084 χ^2/NDF: 183.8/70

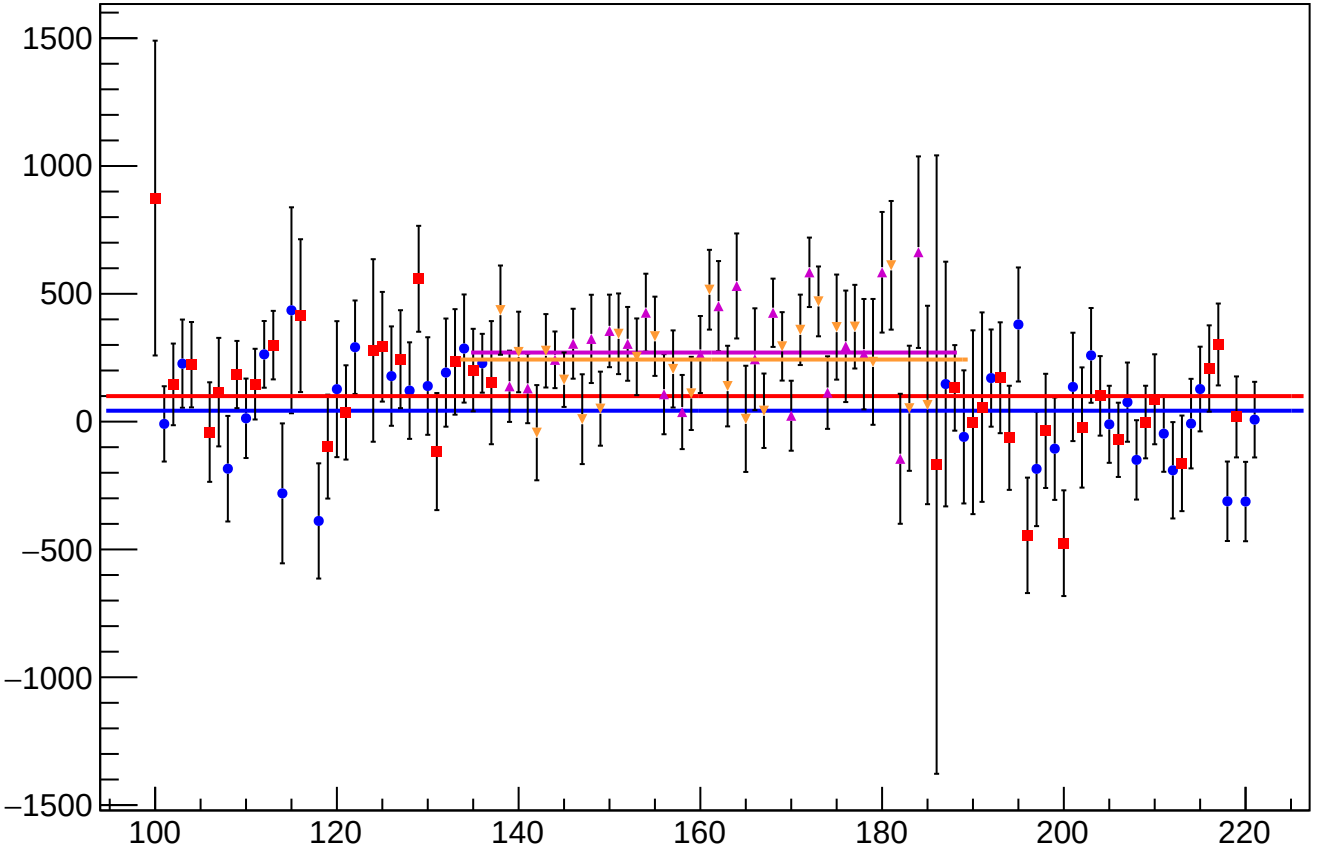
In: -316.404+/-182.386 χ^2/NDF:96.5/56

Out: -121.401+/-179.383 χ^2/NDF:180.4/61

All: -217.284+/-127.891 χ^2/NDF: 277.5/118


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: 1458.290+/-0.239 χ²/NDF: 5330116.8/36
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1479.414+/-0.168 χ²/NDF: 9318655.7/70
In: 1089.747+/-0.129 χ²/NDF:8873936.5/56
Out: 1071.069+/-0.127 χ²/NDF:9889843.0/61
All: 1080.253+/-0.090 χ²/NDF: 18774440.9/1

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: 99.835+/-31.215 χ^2/NDF: 37.2/36

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

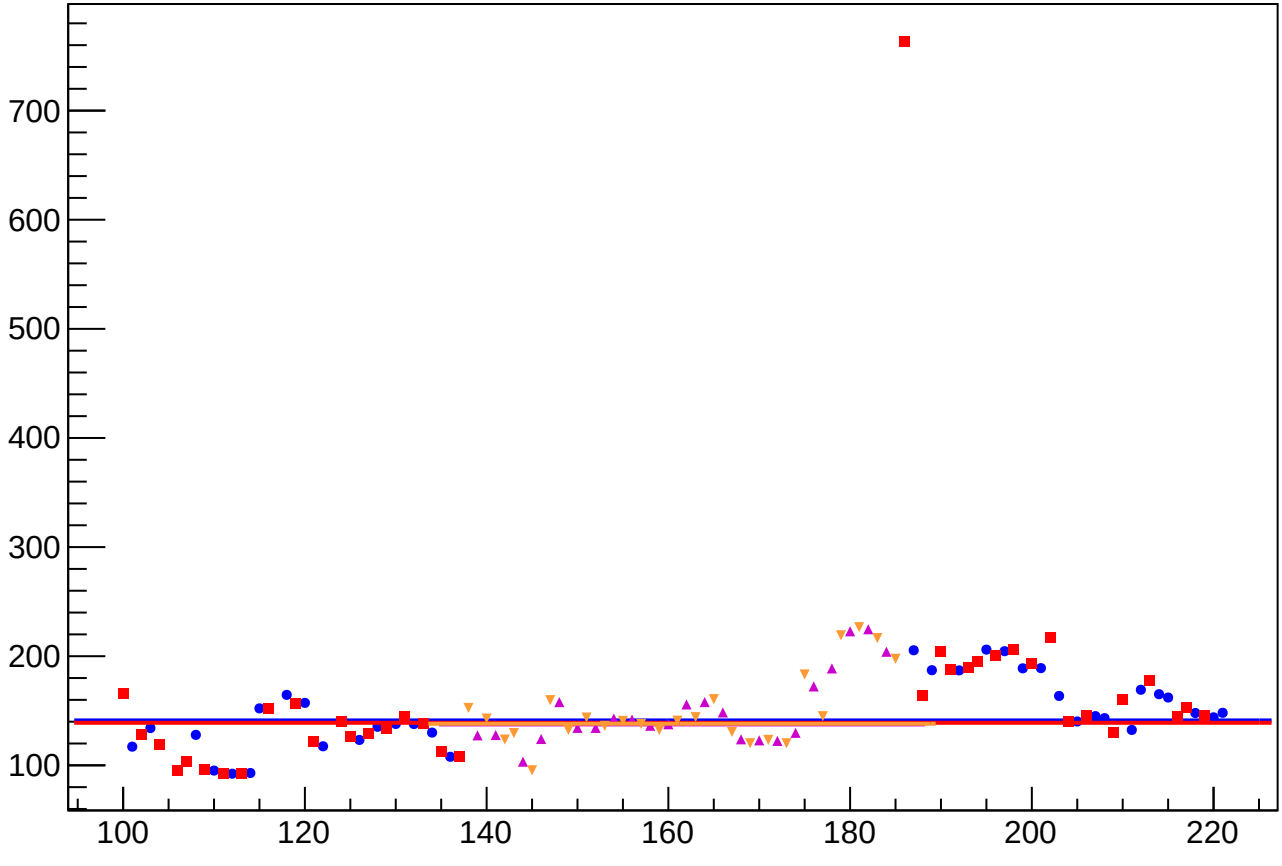
Right: 70.932+/-21.948 χ^2/NDF: 78.1/70

In: 149.227+/-22.508 χ^2/NDF:91.3/56

Out: 169.278+/-22.392 χ^2/NDF:71.1/61

All: 159.304+/-15.874 χ^2/NDF: 162.8/118

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: 138.994+/-0.022 χ^2/NDF: 2784652.0/36

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

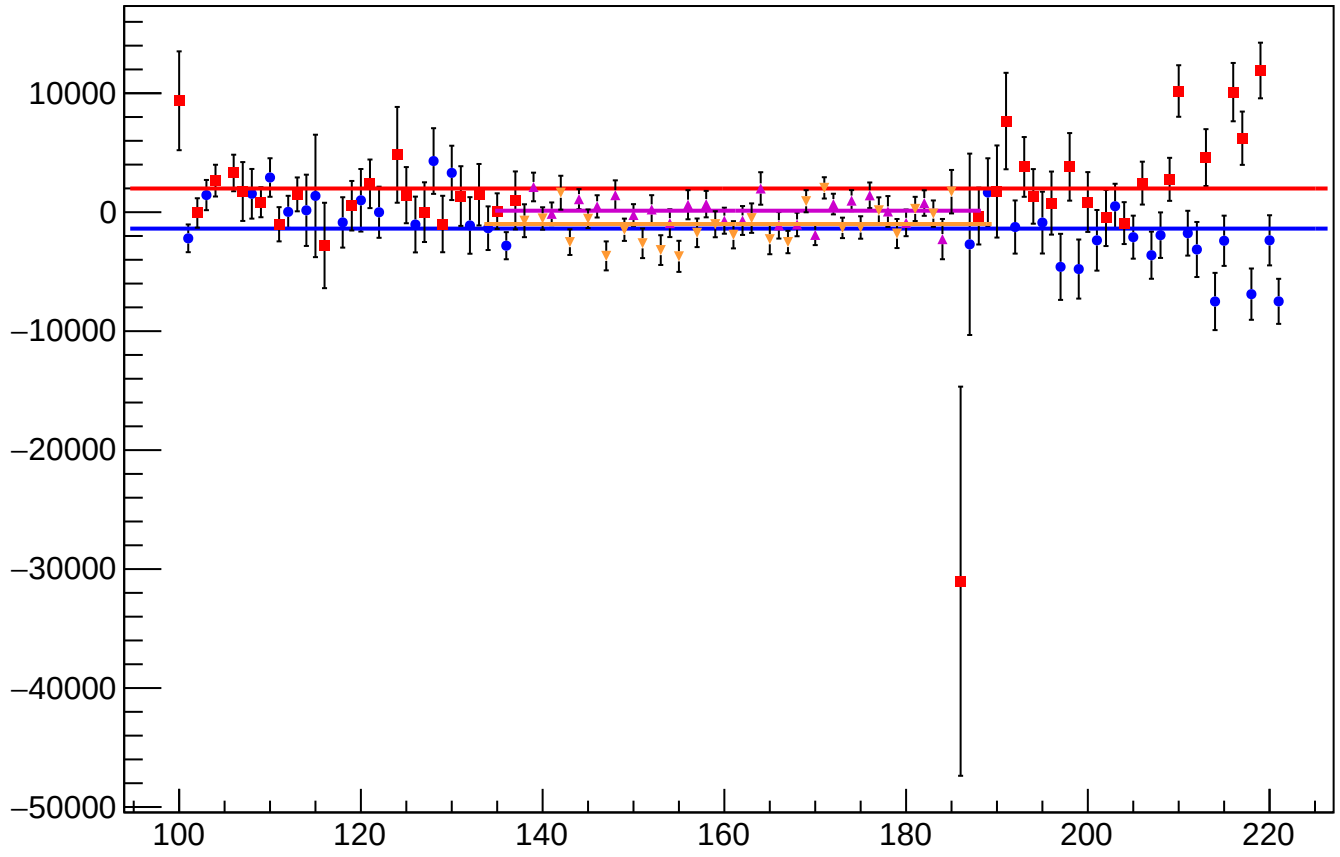
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 140.084+/-0.016 χ^2/NDF: 4549754.4/70

In: 139.437+/-0.016 χ^2/NDF:2882769.8/56

Out: 138.573+/-0.016 χ^2/NDF:4123709.0/61

All: 139.003+/-0.011 χ^2/NDF: 7007958.4/118



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: 1991.627+/-340.145 χ^2/NDF: 79.6/36

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

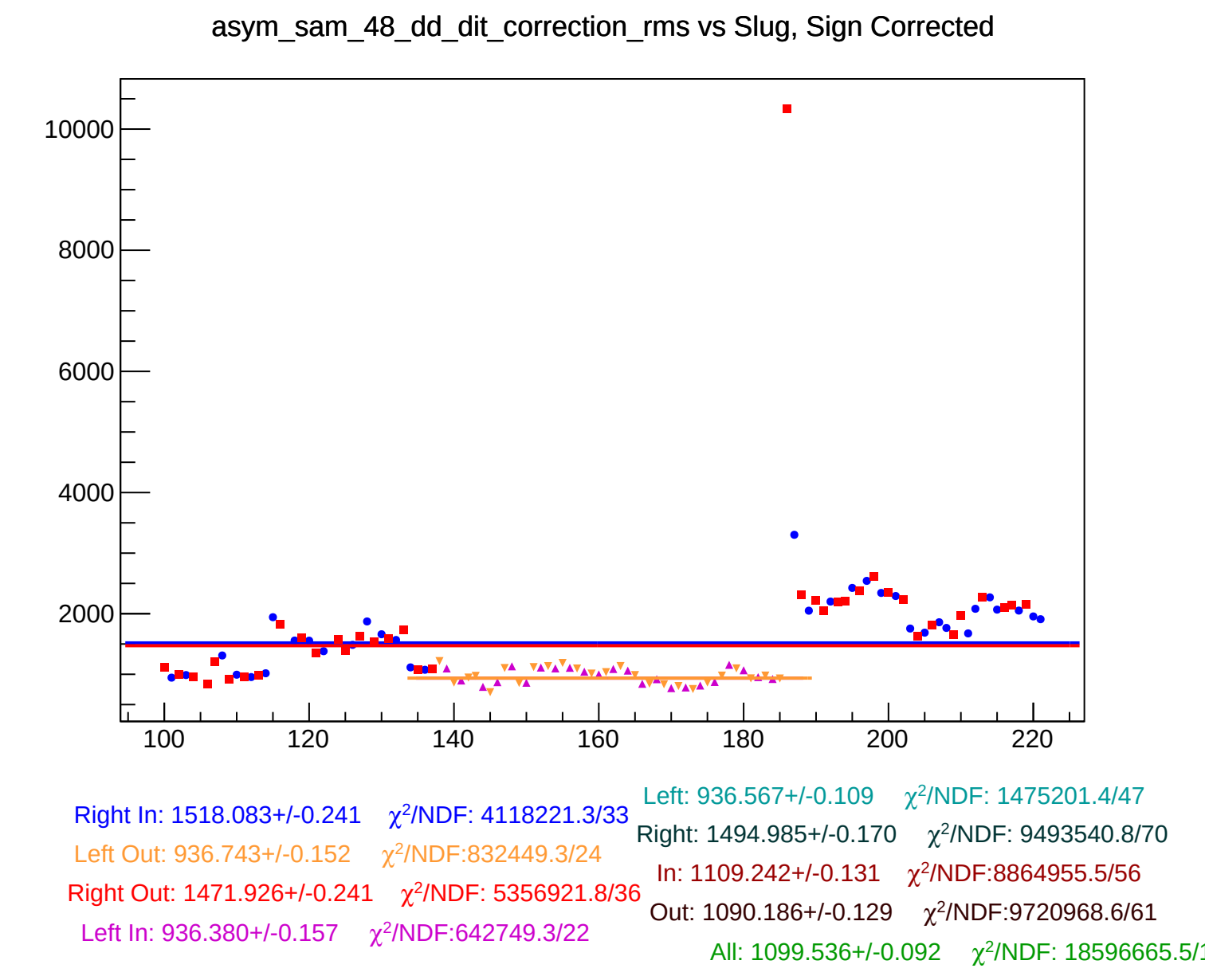
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

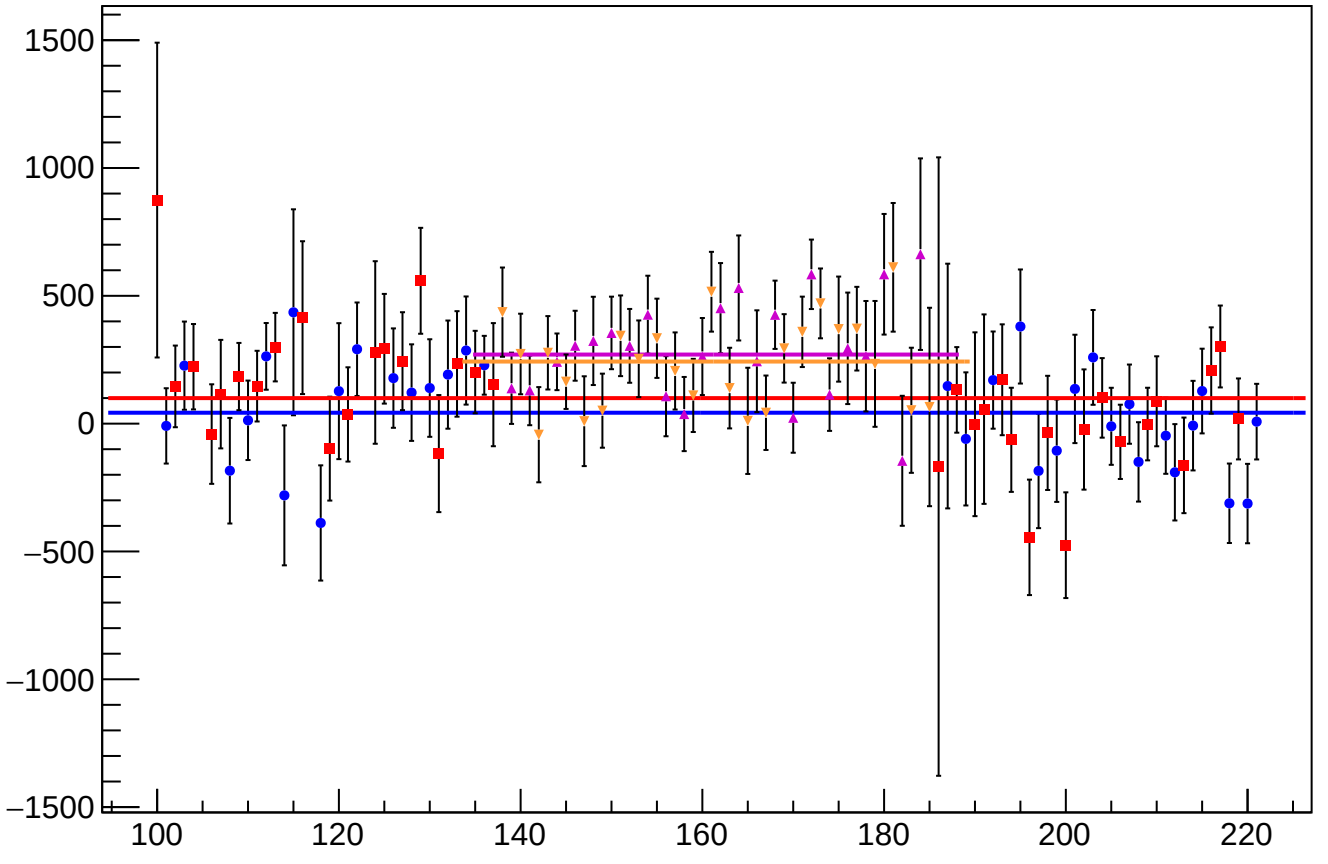
Right: 307.457+/-240.623 χ^2/NDF: 187.6/70

In: -322.224+/-185.583 χ^2/NDF:96.6/56

Out: -137.443+/-182.132 χ^2/NDF:181.5/61

All: -228.099+/-129.990 χ^2/NDF: 278.5/118


asym_sam_48_dd_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1518.083+/-0.241 χ2/NDF: 4118221.3/33
Left Out: 936.743+/-0.152 χ2/NDF:832449.3/24
Right Out: 1471.926+/-0.241 χ2/NDF: 5356921.8/36
Left In: 936.380+/-0.157 χ2/NDF:642749.3/22
Left: 936.567+/-0.109 χ2/NDF: 1475201.4/47
Right: 1494.985+/-0.170 χ2/NDF: 9493540.8/70
In: 1109.242+/-0.131 χ2/NDF:8864955.5/56
Out: 1090.186+/-0.129 χ2/NDF:9720968.6/61
All: 1099.536+/-0.092 χ2/NDF: 18596665.5/1



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: 99.833+/-31.215 χ^2/NDF: 37.2/36

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

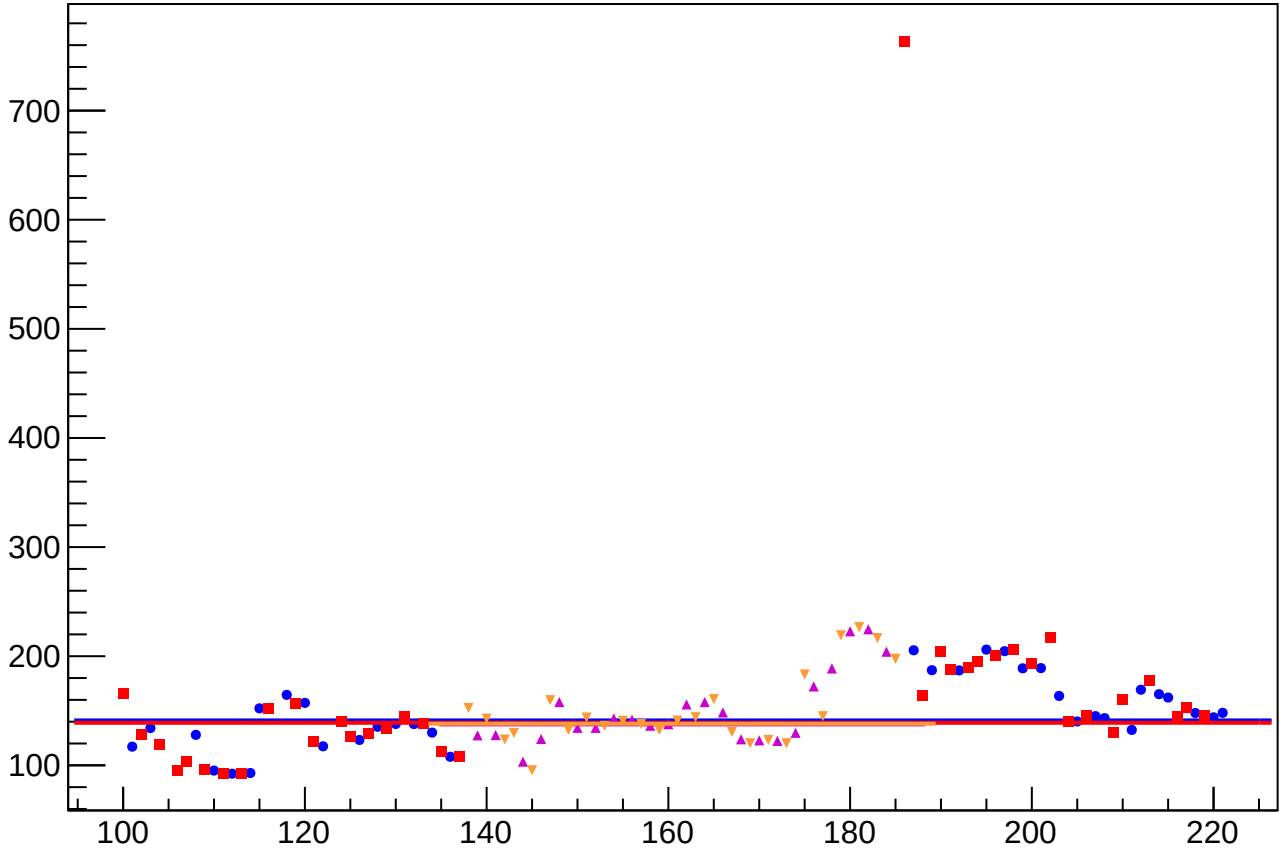
Right: 70.932+/-21.948 χ^2/NDF: 78.1/70

In: 149.229+/-22.508 χ^2/NDF:91.3/56

Out: 169.278+/-22.392 χ^2/NDF:71.1/61

All: 159.305+/-15.874 χ^2/NDF: 162.8/118

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: 138.994+/-0.022 χ^2/NDF: 2784655.2/36

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

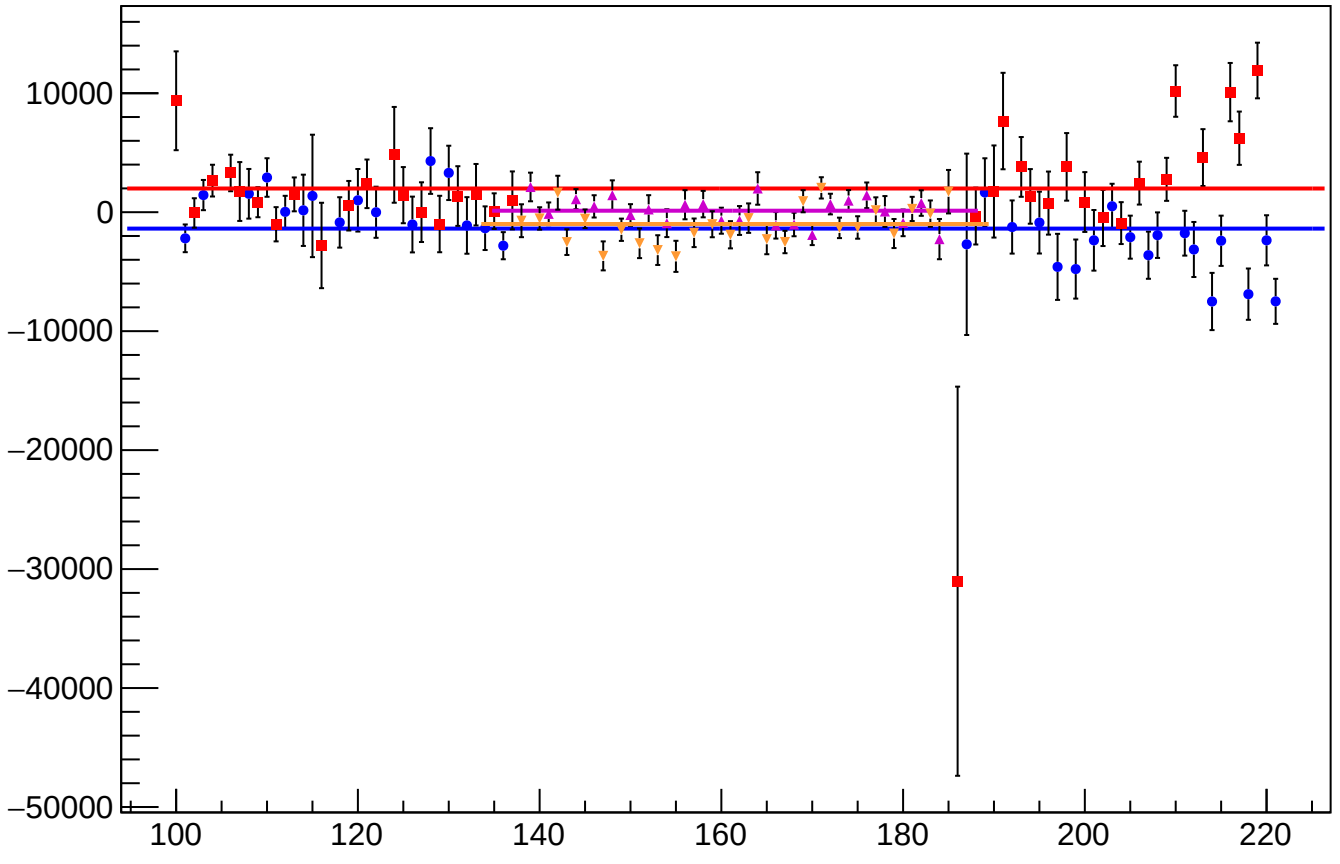
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 140.084+/-0.016 χ^2/NDF: 4549737.4/70

In: 139.437+/-0.016 χ^2/NDF:2882735.4/56

Out: 138.573+/-0.016 χ^2/NDF:4123715.2/61

All: 139.003+/-0.011 χ^2/NDF: 7007930.0/118



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: 1991.626+/-340.145 χ^2/NDF: 79.6/36

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

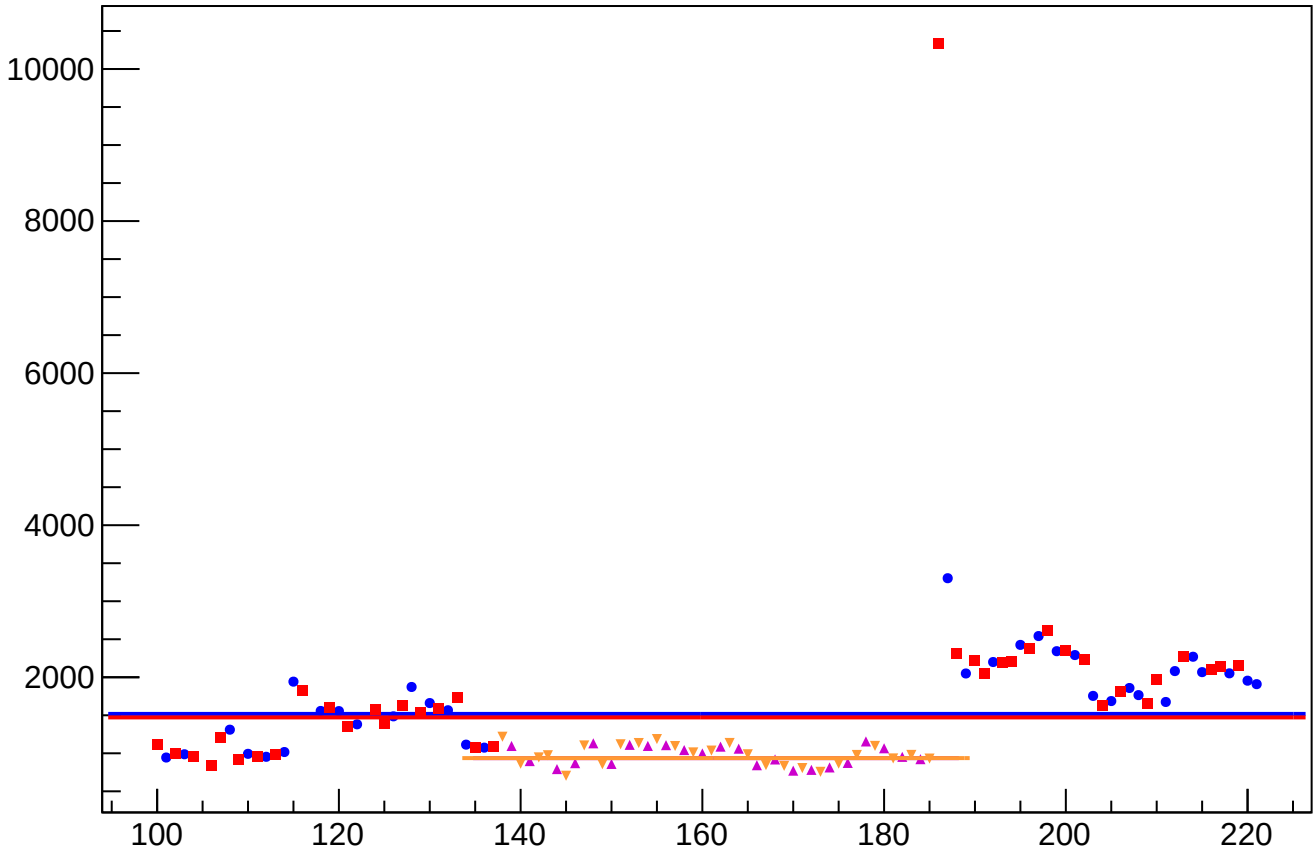
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 307.457+/-240.623 χ^2/NDF: 187.6/70

In: -322.224+/-185.583 χ^2/NDF:96.6/56

Out: -137.443+/-182.132 χ^2/NDF:181.5/61

All: -228.099+/-129.990 χ^2/NDF: 278.5/118



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: 1471.926+/-0.241 χ^2/NDF: 5356912.2/36

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

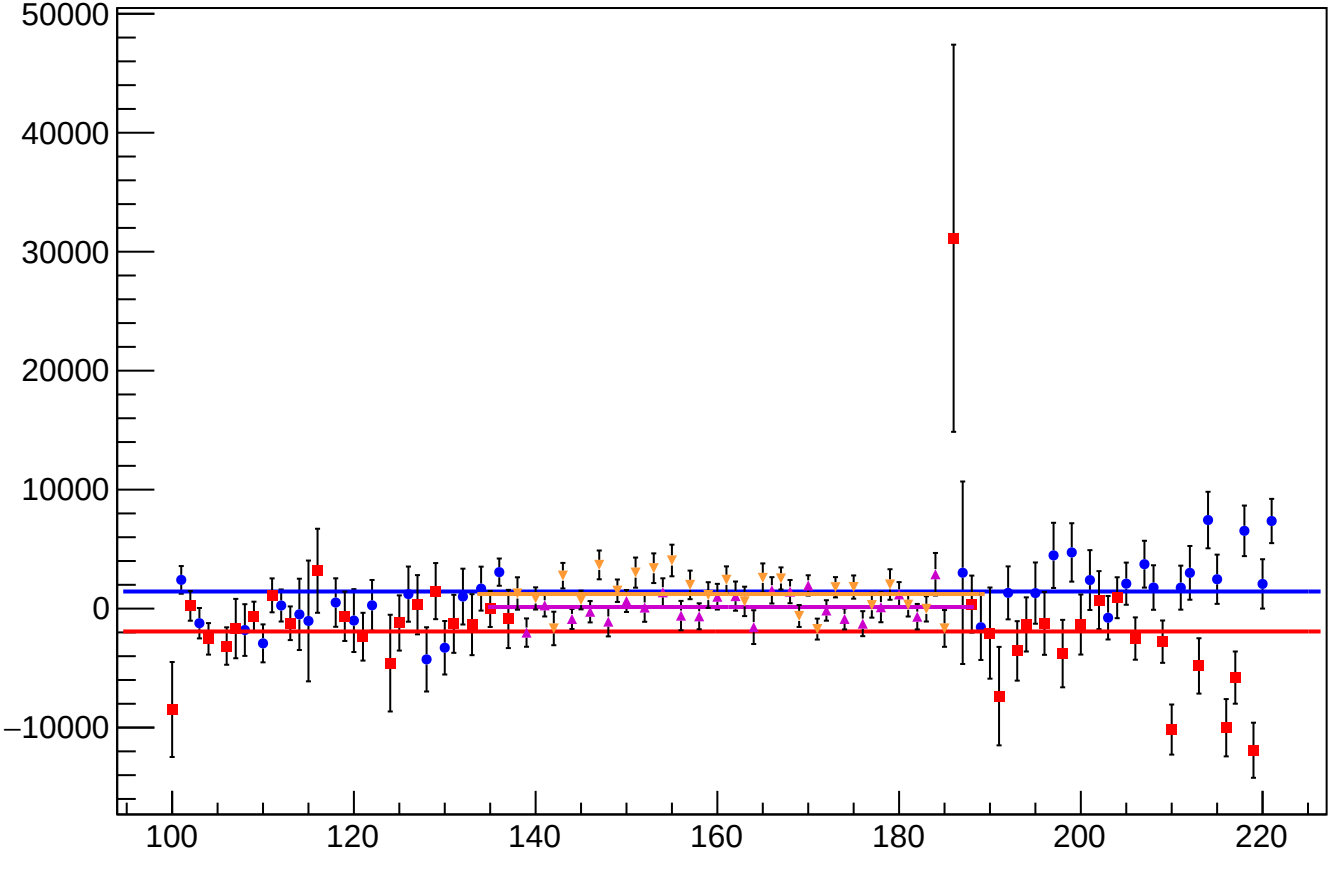
Right: 1494.984+/-0.170 χ^2/NDF: 9493520.3/70

In: 1109.241+/-0.131 χ^2/NDF:8864953.4/56

Out: 1090.185+/-0.129 χ^2/NDF:9720973.6/61

All: 1099.534+/-0.092 χ^2/NDF: 18596668.7/1

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: -1921.986+/-338.583 χ^2/NDF: 81.9/36

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

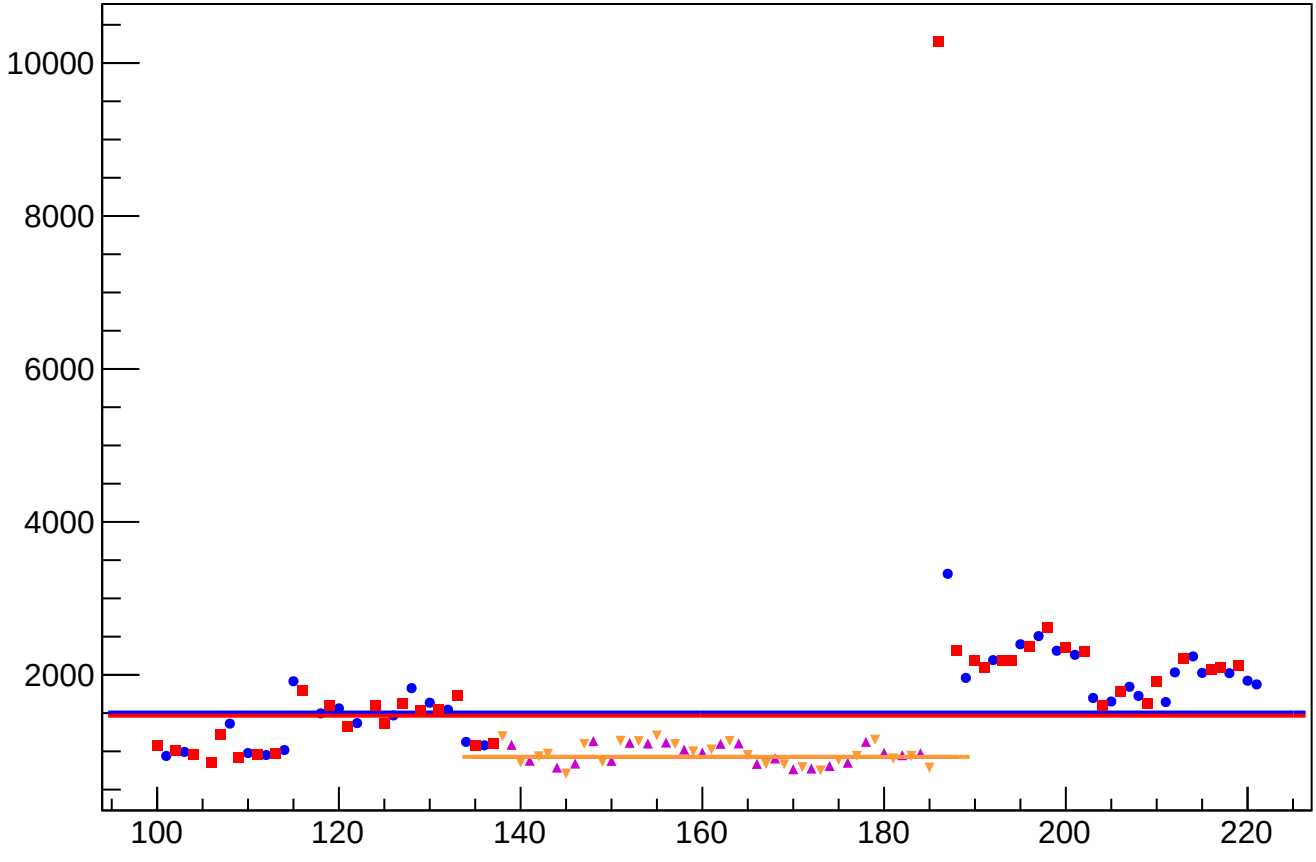
Right: -236.723+/-239.010 χ^2/NDF: 190.3/70

In: 520.098+/-183.867 χ^2/NDF:95.4/56

Out: 328.007+/-180.802 χ^2/NDF:192.2/61

All: 422.438+/-128.916 χ^2/NDF: 288.1/118

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: 1466.464+/-0.239 χ^2/NDF: 5257398.8/36

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

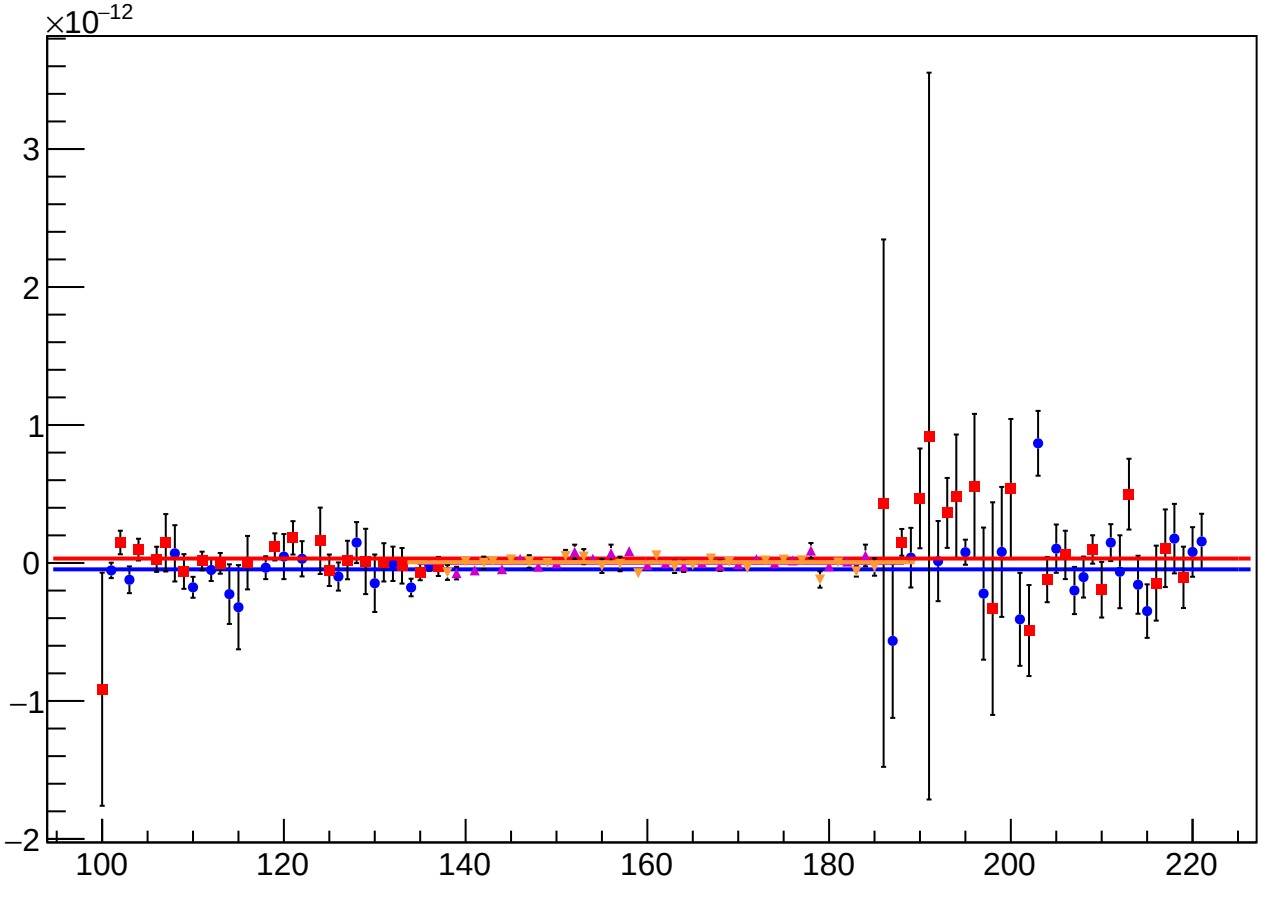
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1487.035+/-0.169 χ^2/NDF: 9211315.2/70

In: 1099.567+/-0.130 χ^2/NDF:8752229.1/56

Out: 1081.264+/-0.128 χ^2/NDF:9753760.4/61

All: 1090.262+/-0.091 χ^2/NDF: 18516064.6/1



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: 29.0/36

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

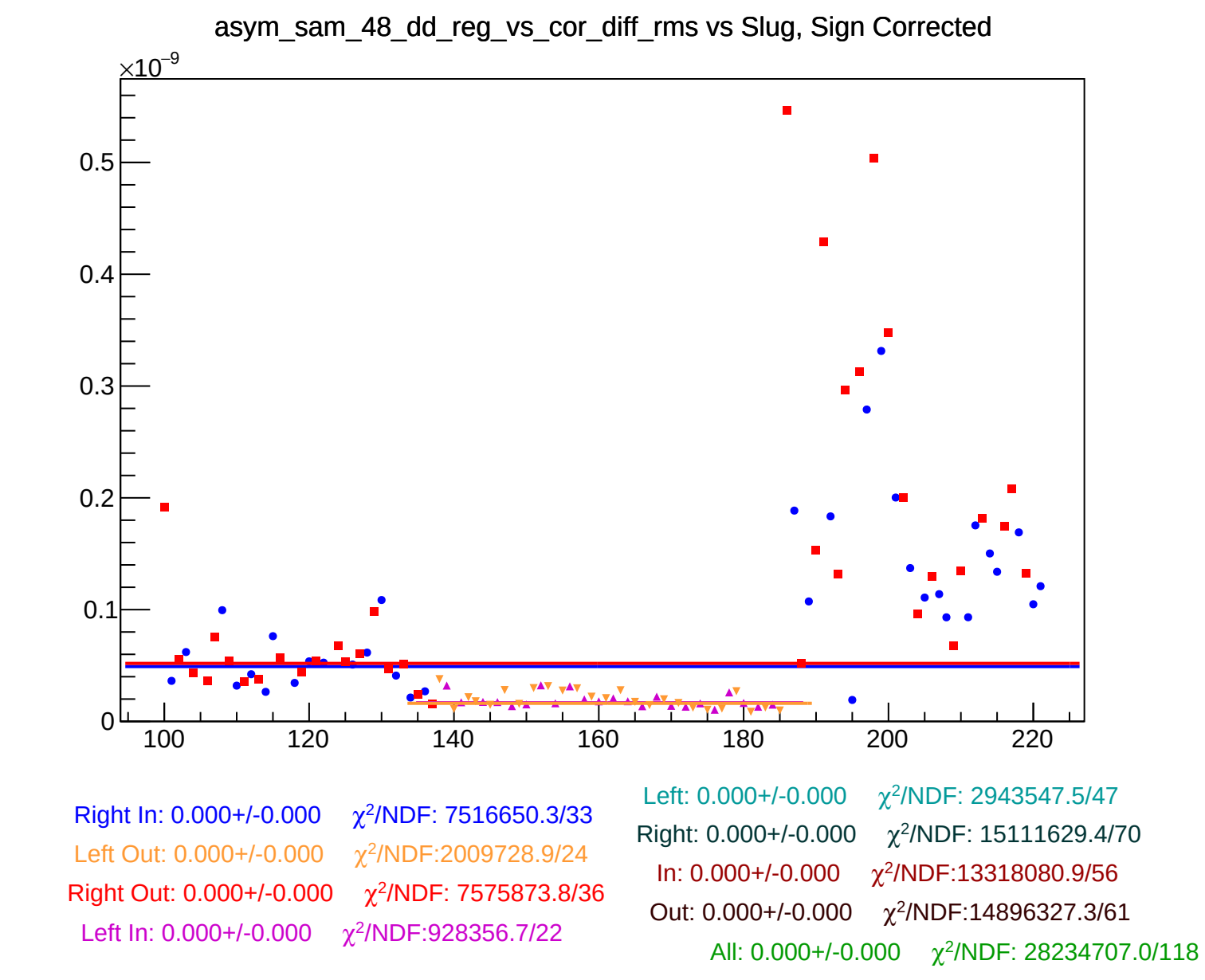
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 77.8/70

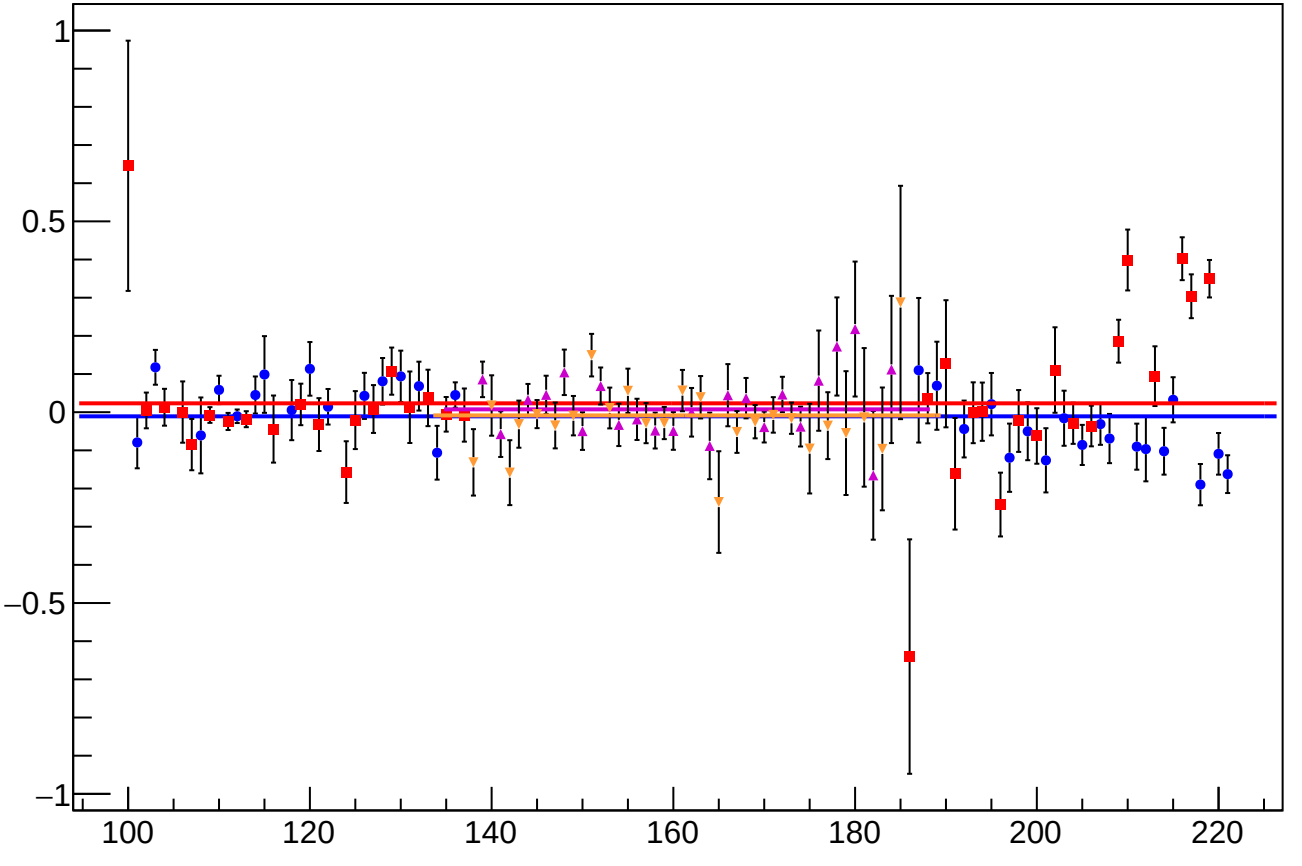
In: -0.000+/-0.000 χ^2/NDF:74.3/56

Out: 0.000+/-0.000 χ^2/NDF:55.9/61

All: 0.000+/-0.000 χ^2/NDF: 131.8/118


asym_sam_48_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: 7516650.3/33
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7575873.8/36
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
Left: 0.000+/-0.000 χ²/NDF: 2943547.5/47
Right: 0.000+/-0.000 χ²/NDF: 15111629.4/70
In: 0.000+/-0.000 χ²/NDF:13318080.9/56
Out: 0.000+/-0.000 χ²/NDF:14896327.3/61
All: 0.000+/-0.000 χ²/NDF: 28234707.0/118

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: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

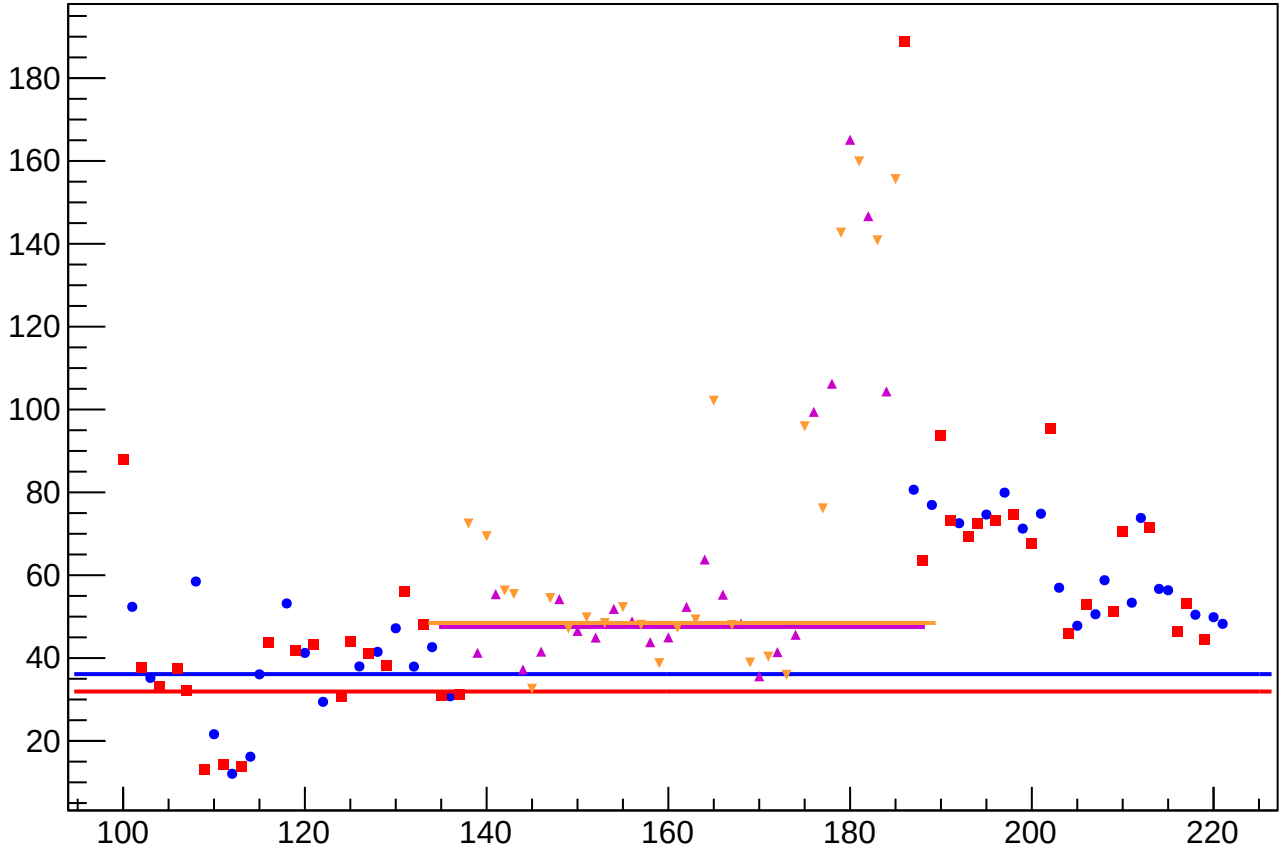
Right: 0.007+/-0.006 χ^2/NDF: 267.5/70

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.005+/-0.005 χ^2/NDF: 315.3/118

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

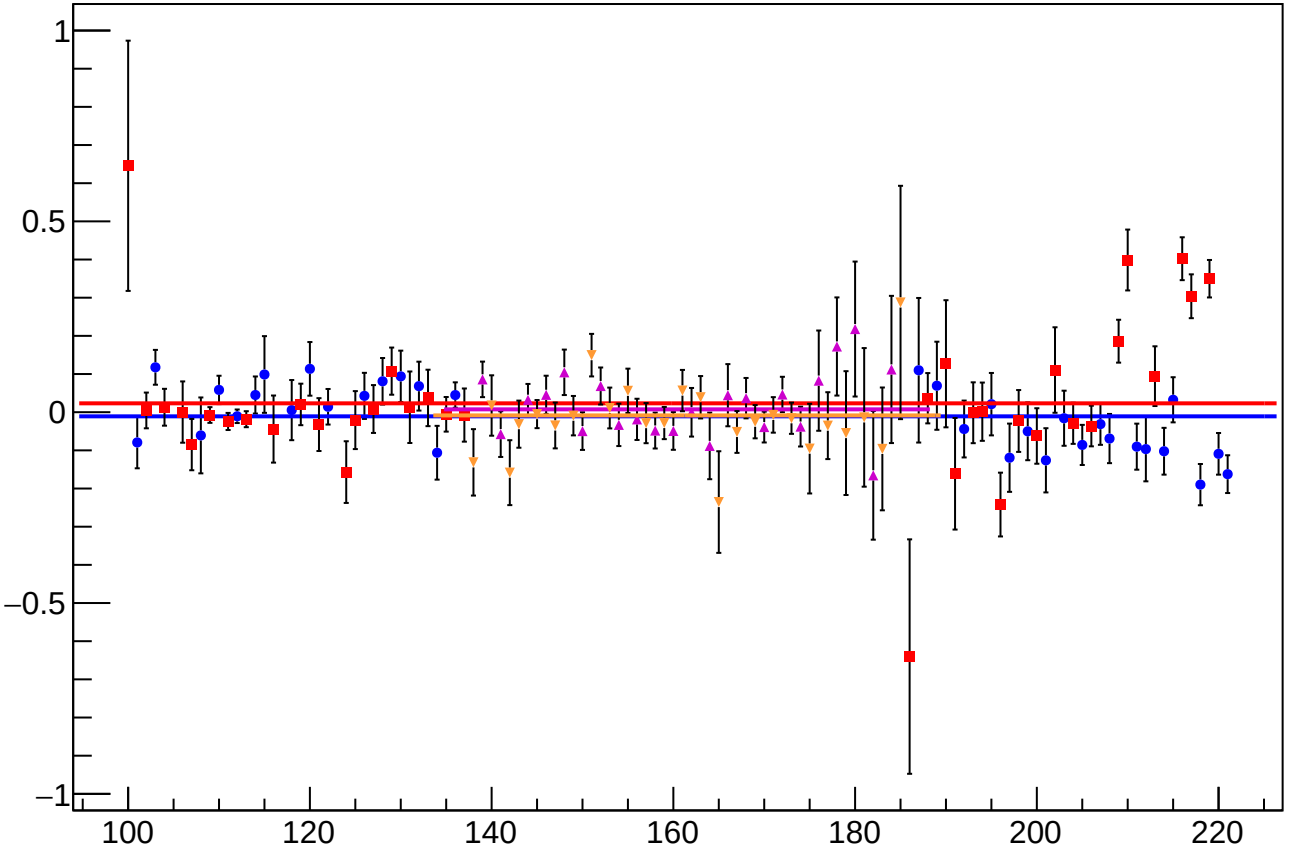
Right: 33.881+/-0.004 χ^2/NDF: 21489585.0/70

In: 40.233+/-0.005 χ^2/NDF:13725531.7/56

Out: 37.406+/-0.005 χ^2/NDF:18666237.9/61

All: 38.756+/-0.004 χ^2/NDF: 32551534.7/118

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: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

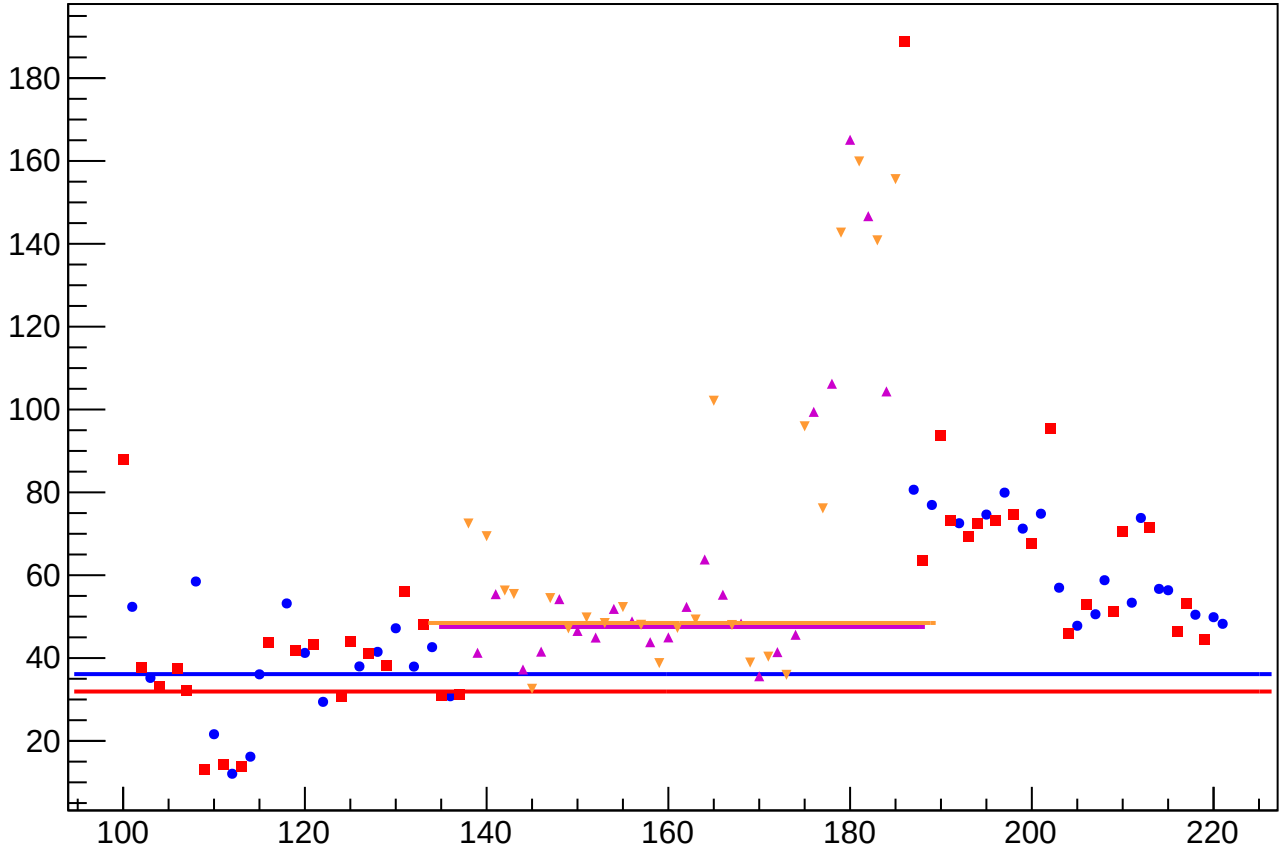
Right: 0.007+/-0.006 χ^2/NDF: 267.5/70

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.005+/-0.005 χ^2/NDF: 315.3/118

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

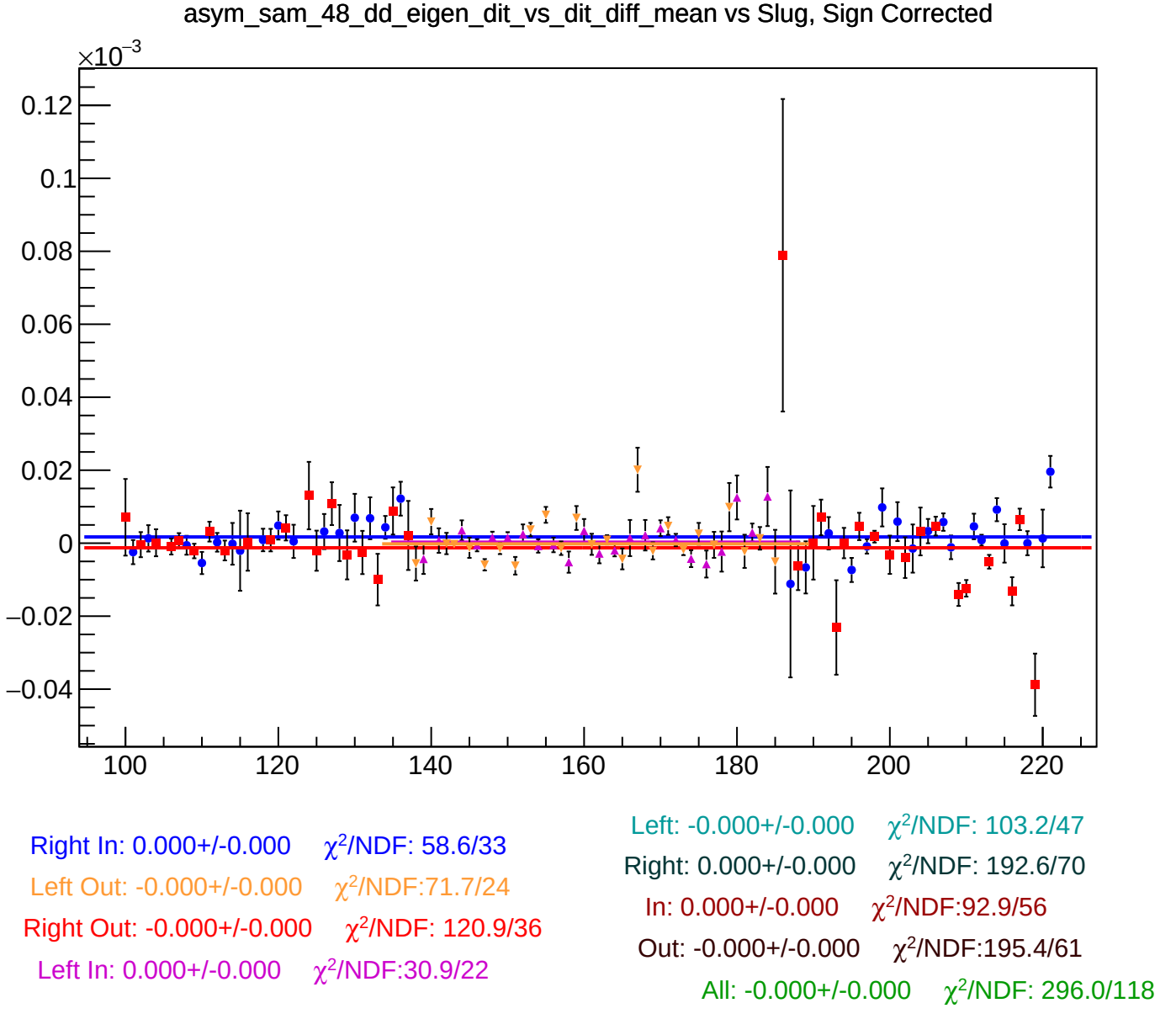
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

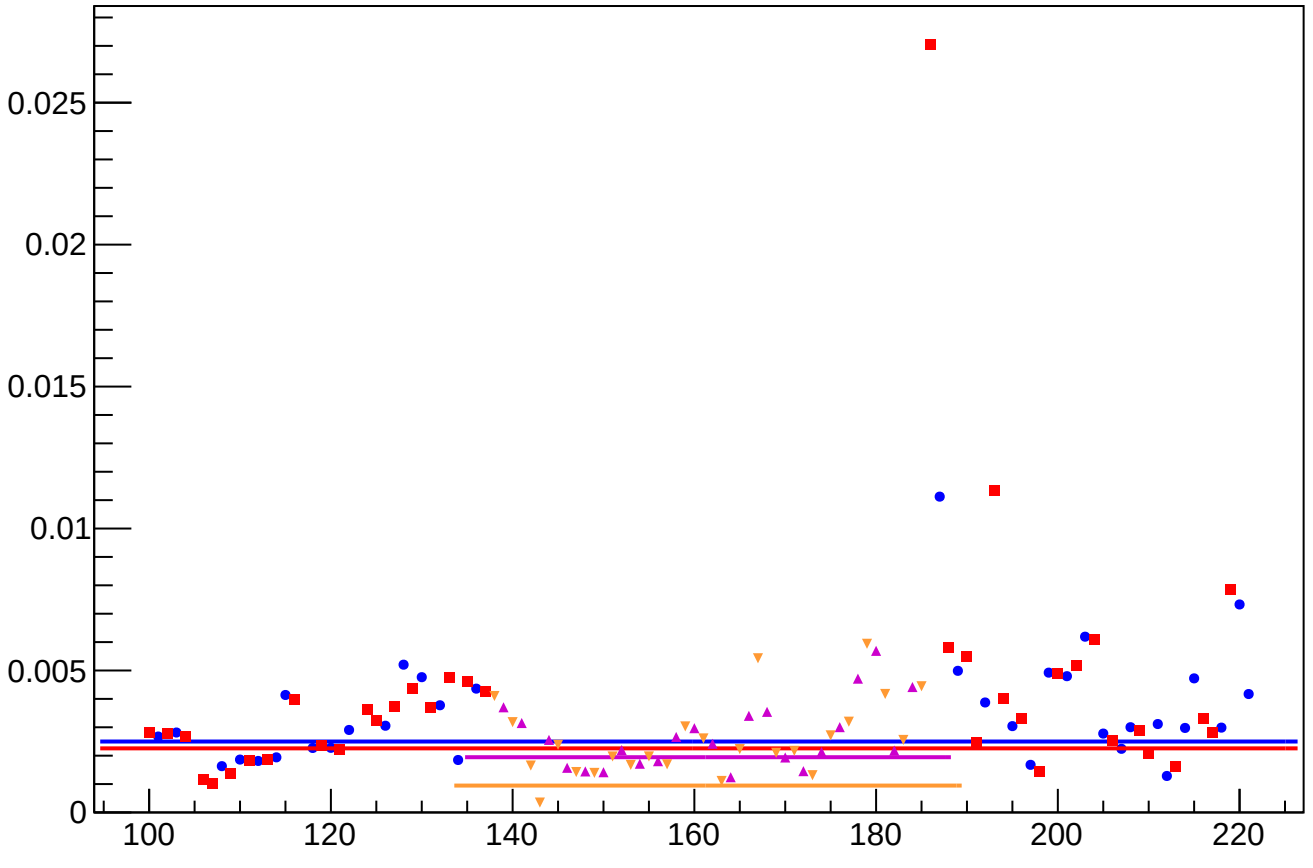
Right: 33.881+/-0.004 χ^2/NDF: 21489585.0/70

In: 40.233+/-0.005 χ^2/NDF:13725531.7/56

Out: 37.406+/-0.005 χ^2/NDF:18666237.9/61

All: 38.756+/-0.004 χ^2/NDF: 32551534.7/118


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: 120.9/36
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: 192.6/70
In: 0.000+/-0.000 χ²/NDF:92.9/56
Out: -0.000+/-0.000 χ²/NDF:195.4/61
All: -0.000+/-0.000 χ²/NDF: 296.0/118



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: 9641937.4/36

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

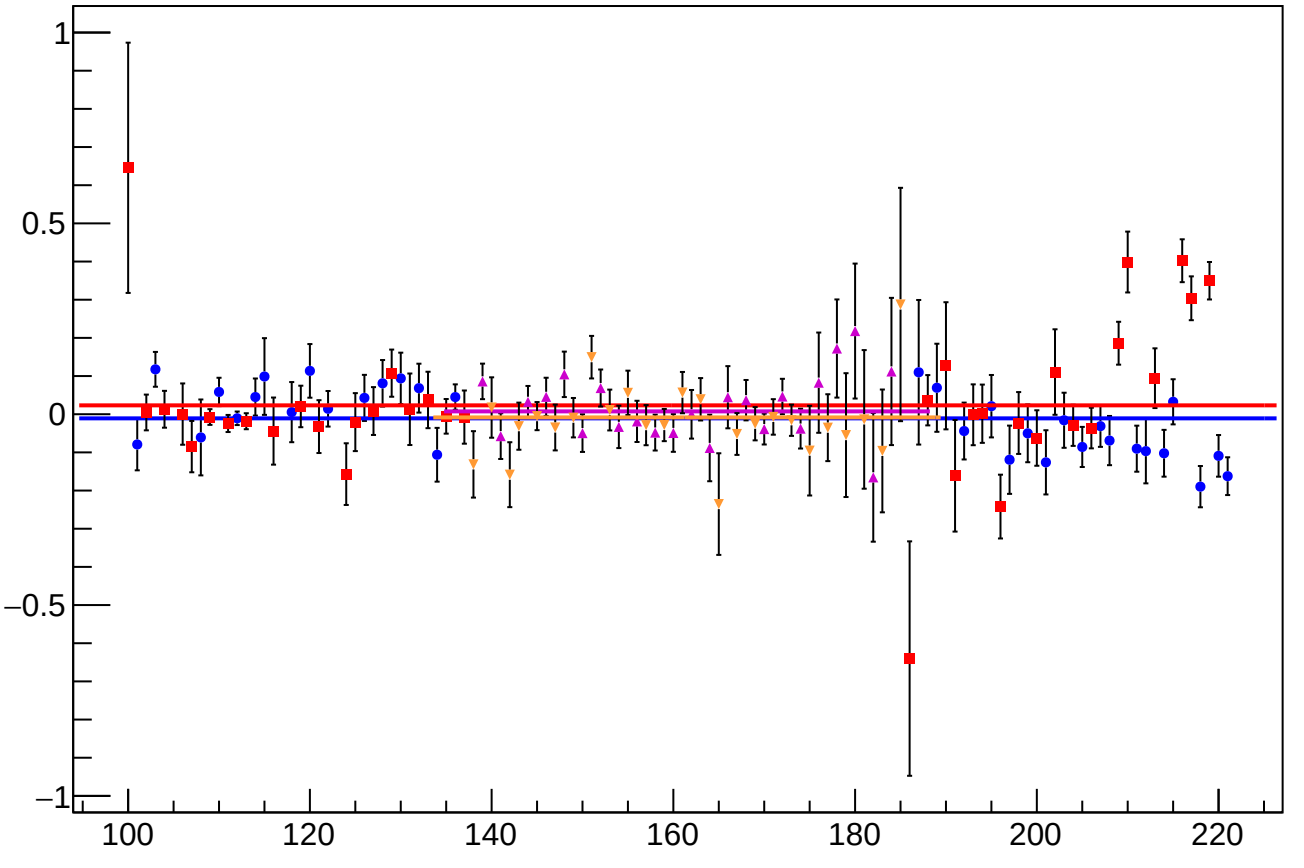
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 16845169.7/70

In: 0.002+/-0.000 χ^2/NDF:12404148.4/56

Out: 0.001+/-0.000 χ^2/NDF:35600016.1/61

All: 0.002+/-0.000 χ^2/NDF: 56079195.7/118



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: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

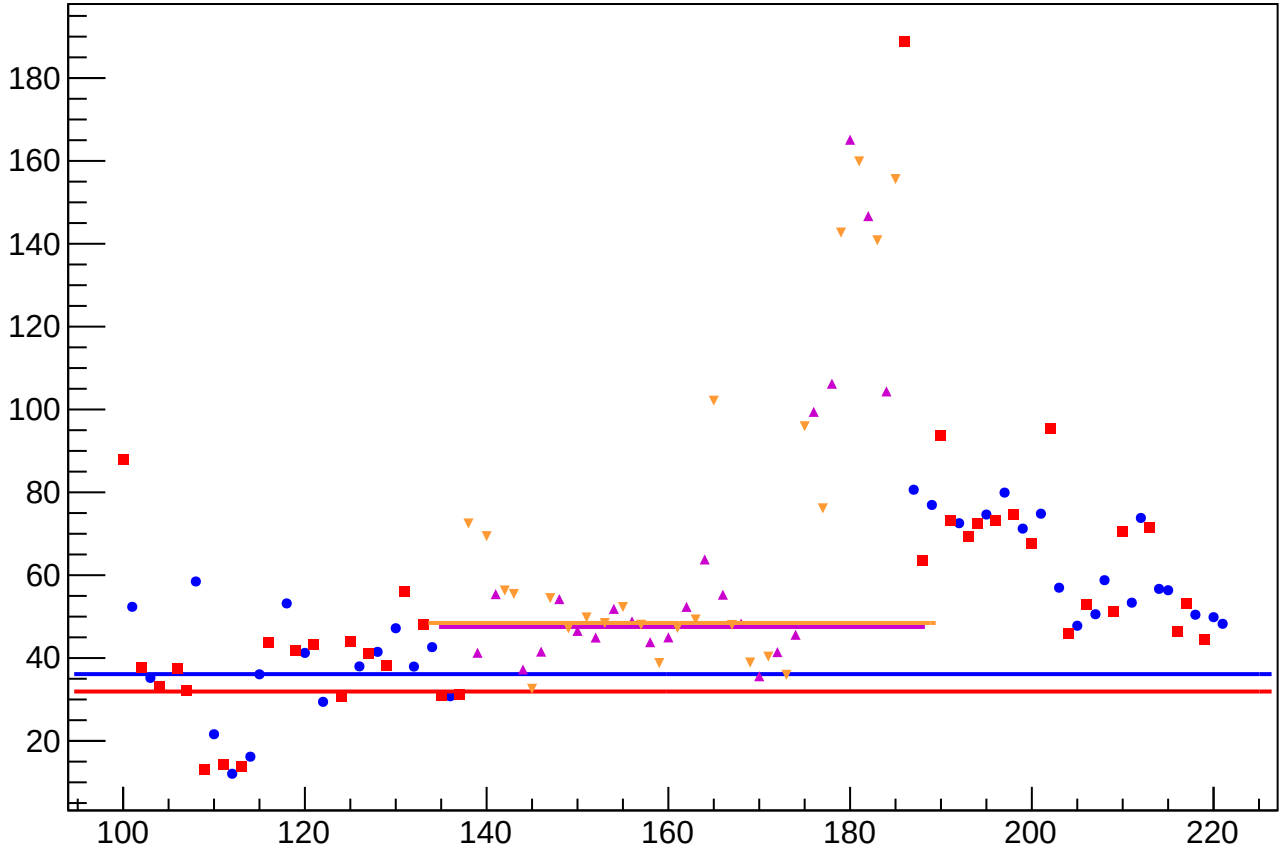
Right: 0.007+/-0.006 χ^2/NDF: 267.5/70

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.005+/-0.005 χ^2/NDF: 315.3/118

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: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

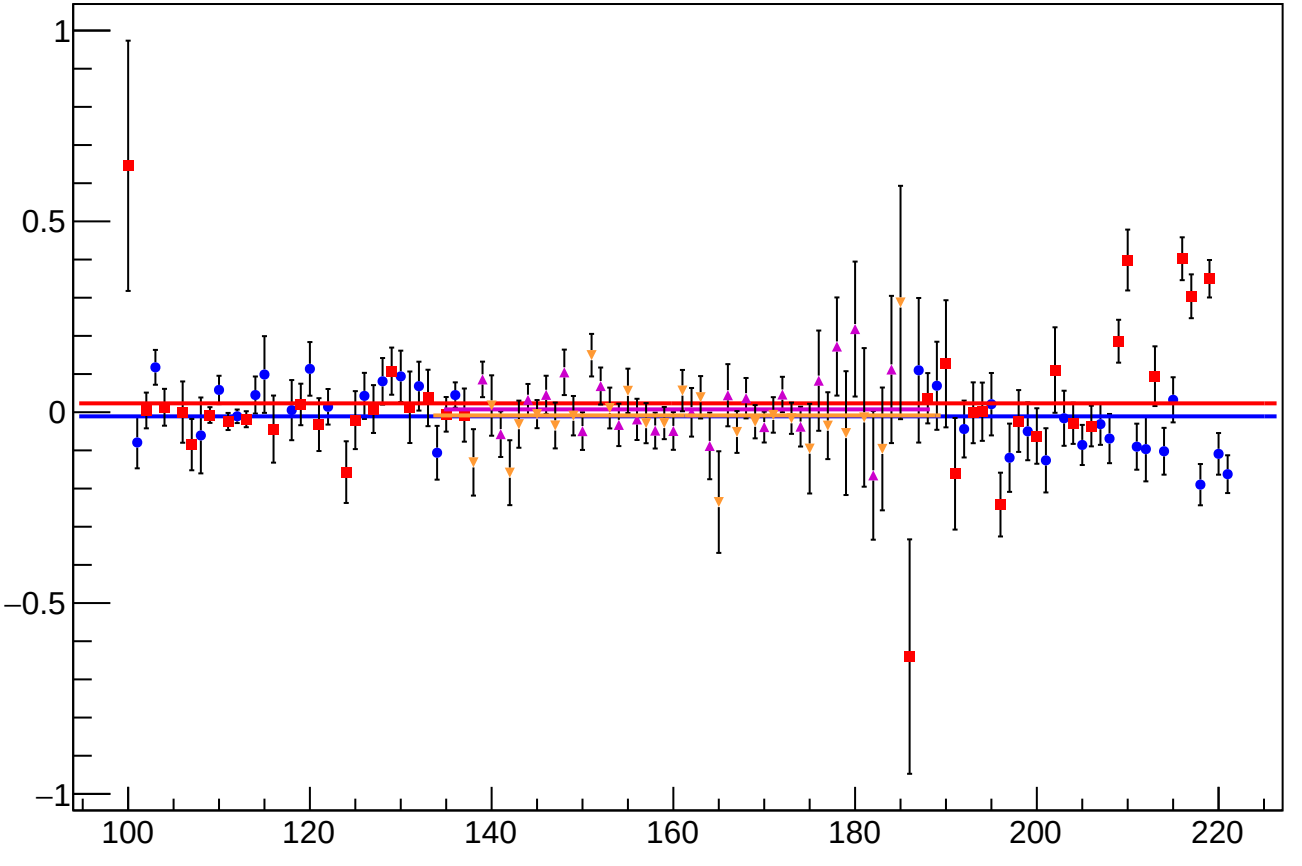
Right: 33.880+/-0.004 χ^2/NDF: 21490654.2/70

In: 40.232+/-0.005 χ^2/NDF:13726703.1/56

Out: 37.406+/-0.005 χ^2/NDF:18666691.2/61

All: 38.756+/-0.004 χ^2/NDF: 32553081.1/118

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: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

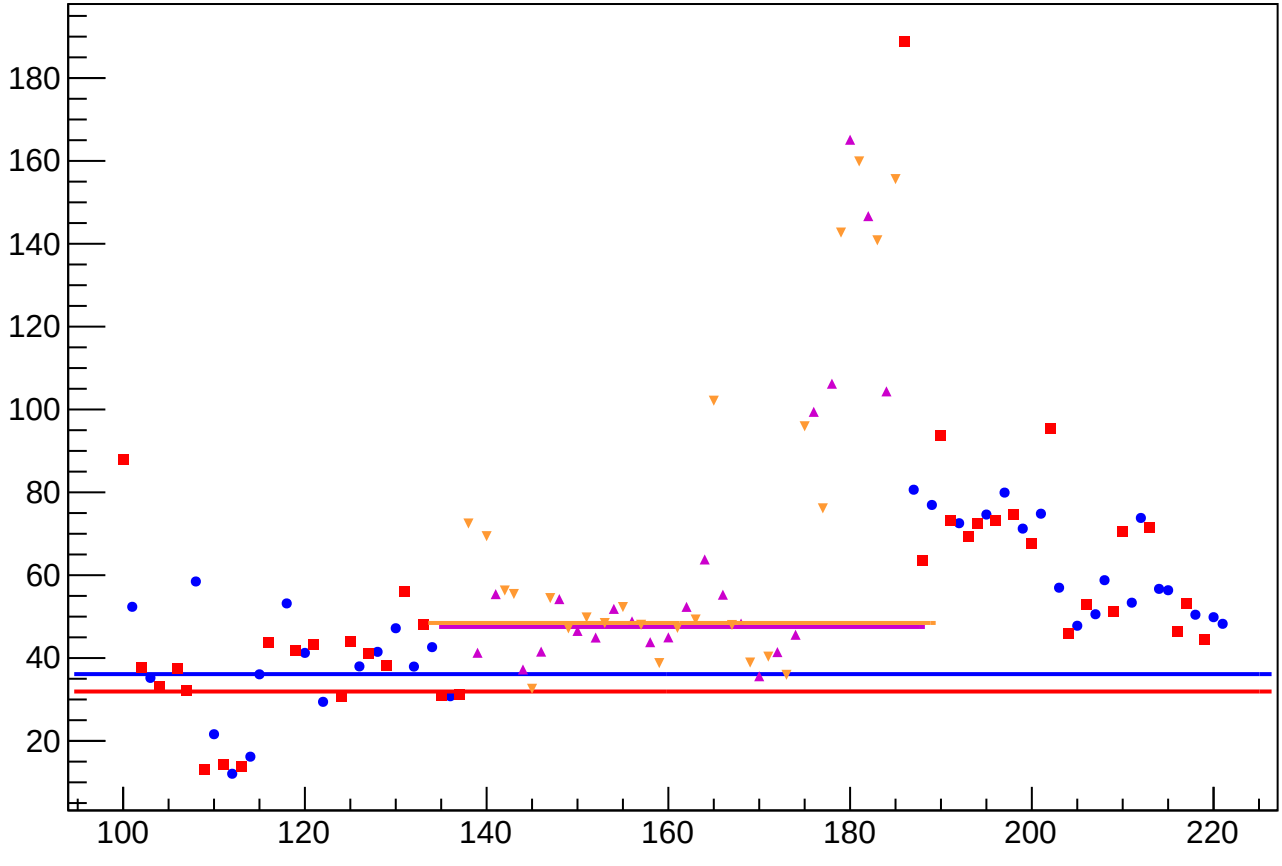
Right: 0.007+/-0.006 χ^2/NDF: 267.5/70

In: -0.004+/-0.007 χ^2/NDF:92.0/56

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.005+/-0.005 χ^2/NDF: 315.3/118

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: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

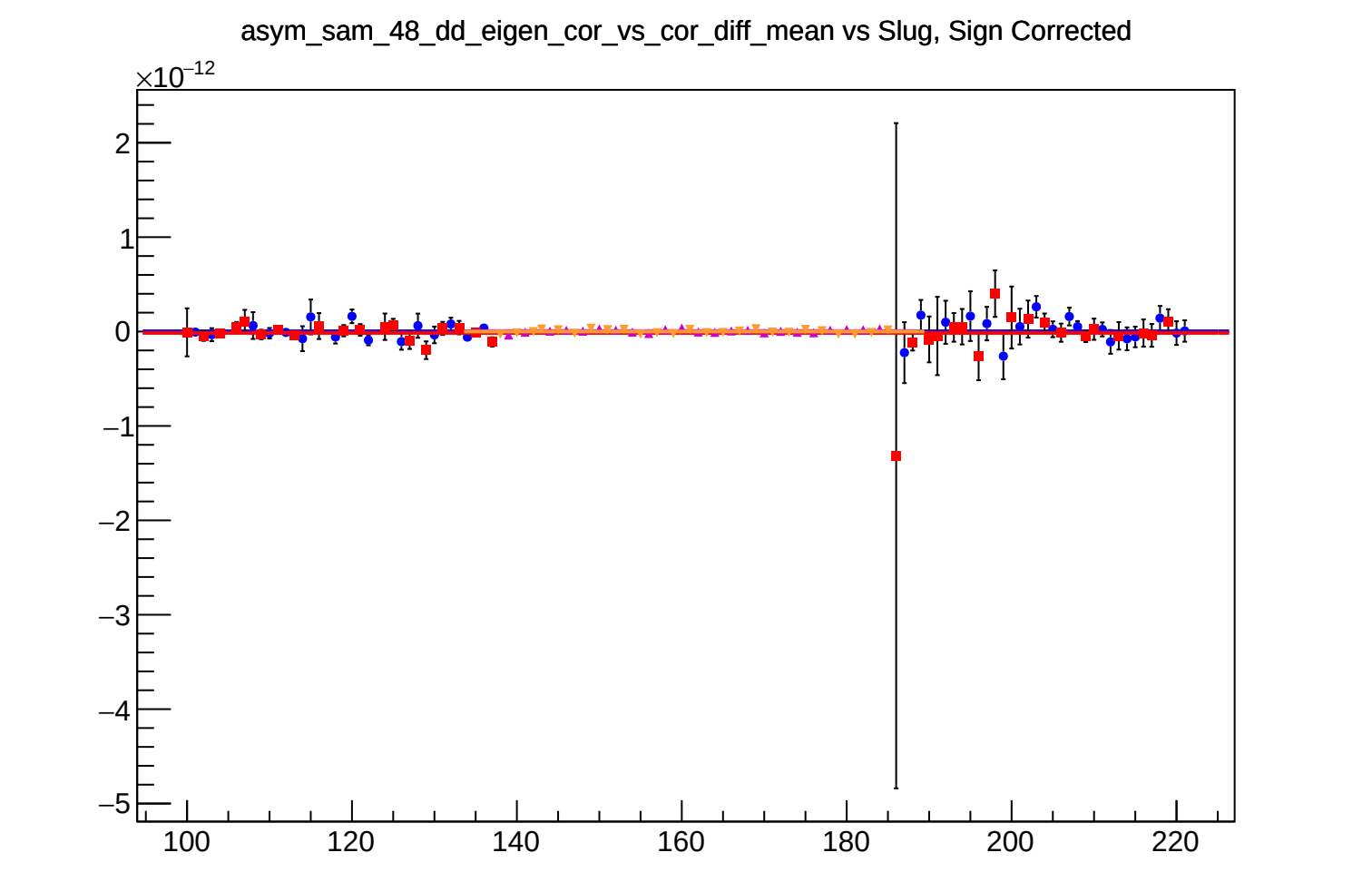
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 33.880+/-0.004 χ^2/NDF: 21490654.2/70

In: 40.232+/-0.005 χ^2/NDF:13726703.1/56

Out: 37.406+/-0.005 χ^2/NDF:18666691.2/61

All: 38.756+/-0.004 χ^2/NDF: 32553081.1/118



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: 24.2/36

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

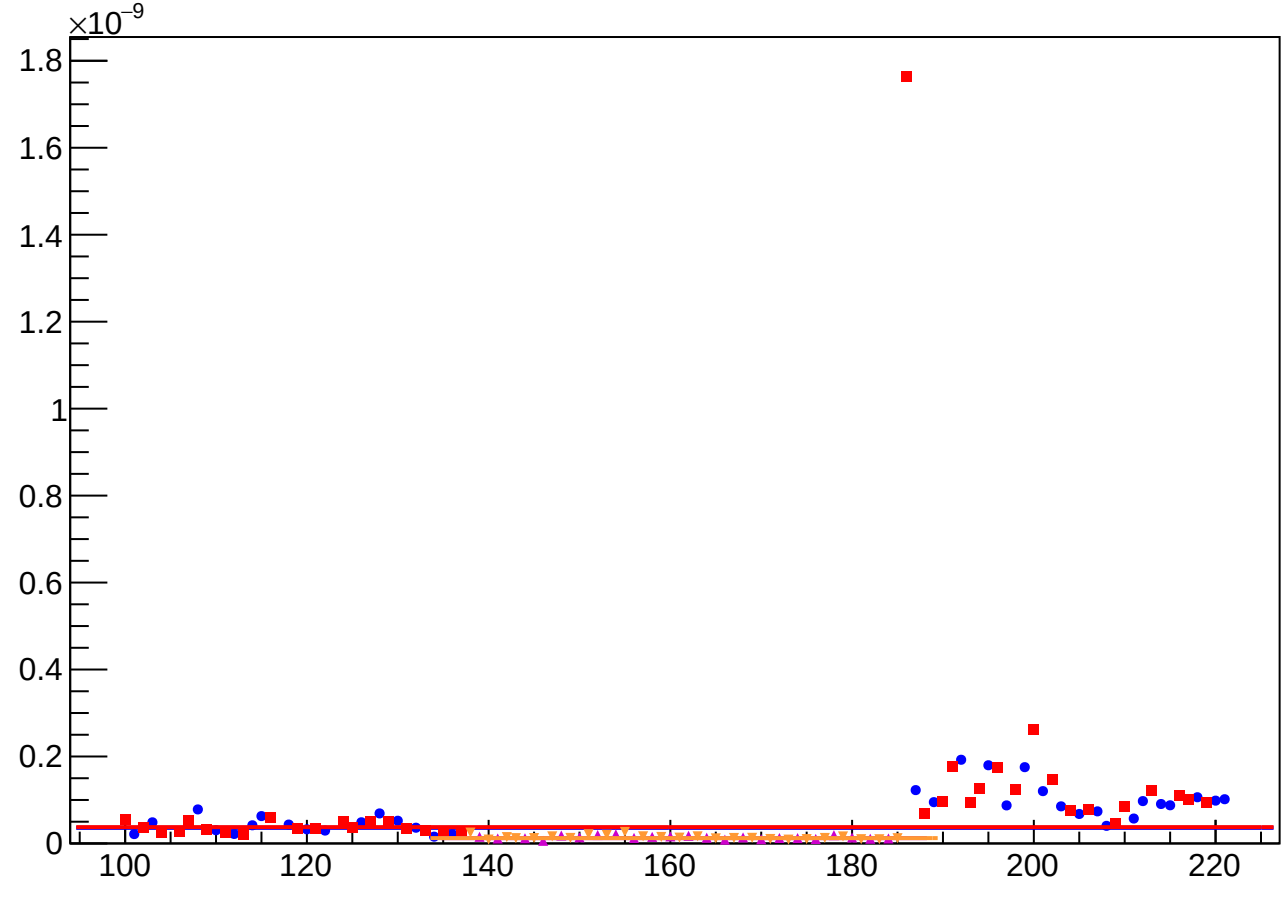
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 59.6/70

In: 0.000+/-0.000 χ^2/NDF:53.5/56

Out: -0.000+/-0.000 χ^2/NDF:57.0/61

All: 0.000+/-0.000 χ^2/NDF: 112.1/118



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: 9100477.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

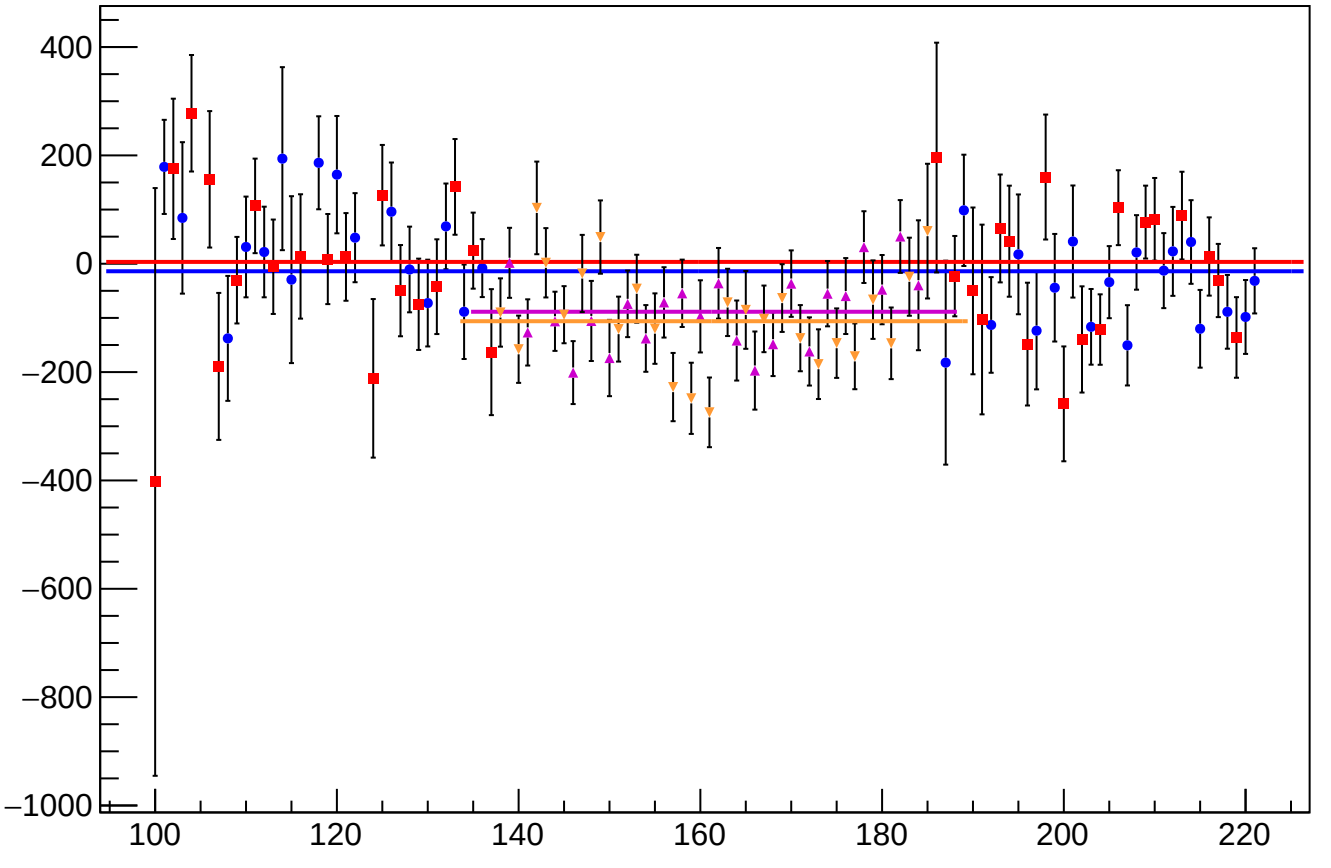
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19320676.0/70

In: 0.000+/-0.000 χ^2/NDF:19815757.8/56

Out: 0.000+/-0.000 χ^2/NDF:18990667.4/61

All: 0.000+/-0.000 χ^2/NDF: 38808050.1/118



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: 3.392+/-15.000 χ^2/NDF: 50.8/36

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

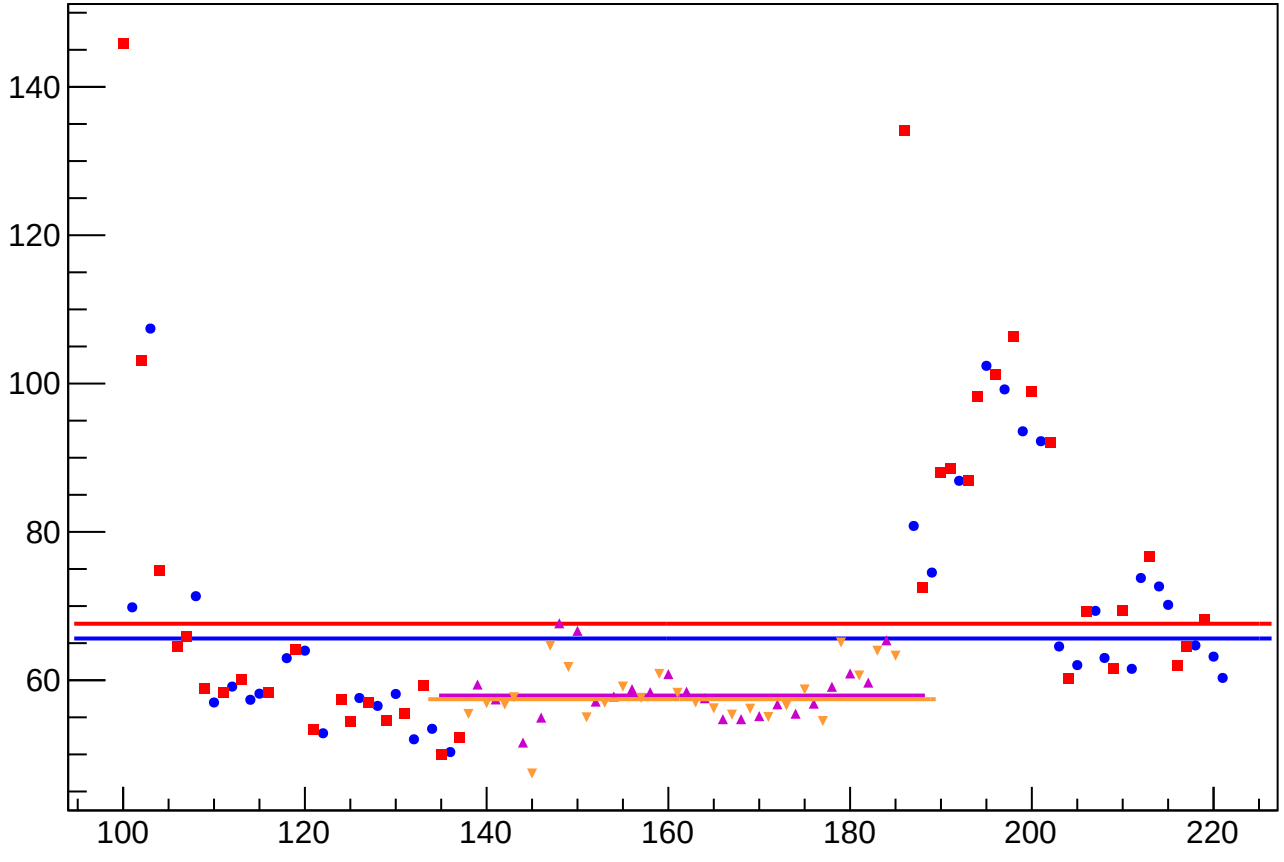
Right: -5.664+/-10.342 χ^2/NDF: 88.9/70

In: -53.156+/-9.835 χ^2/NDF:75.7/56

Out: -58.769+/-9.862 χ^2/NDF:121.7/61

All: -55.955+/-6.964 χ^2/NDF: 197.6/118

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: 67.619+/-0.011 χ^2/NDF: 1998500.8/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

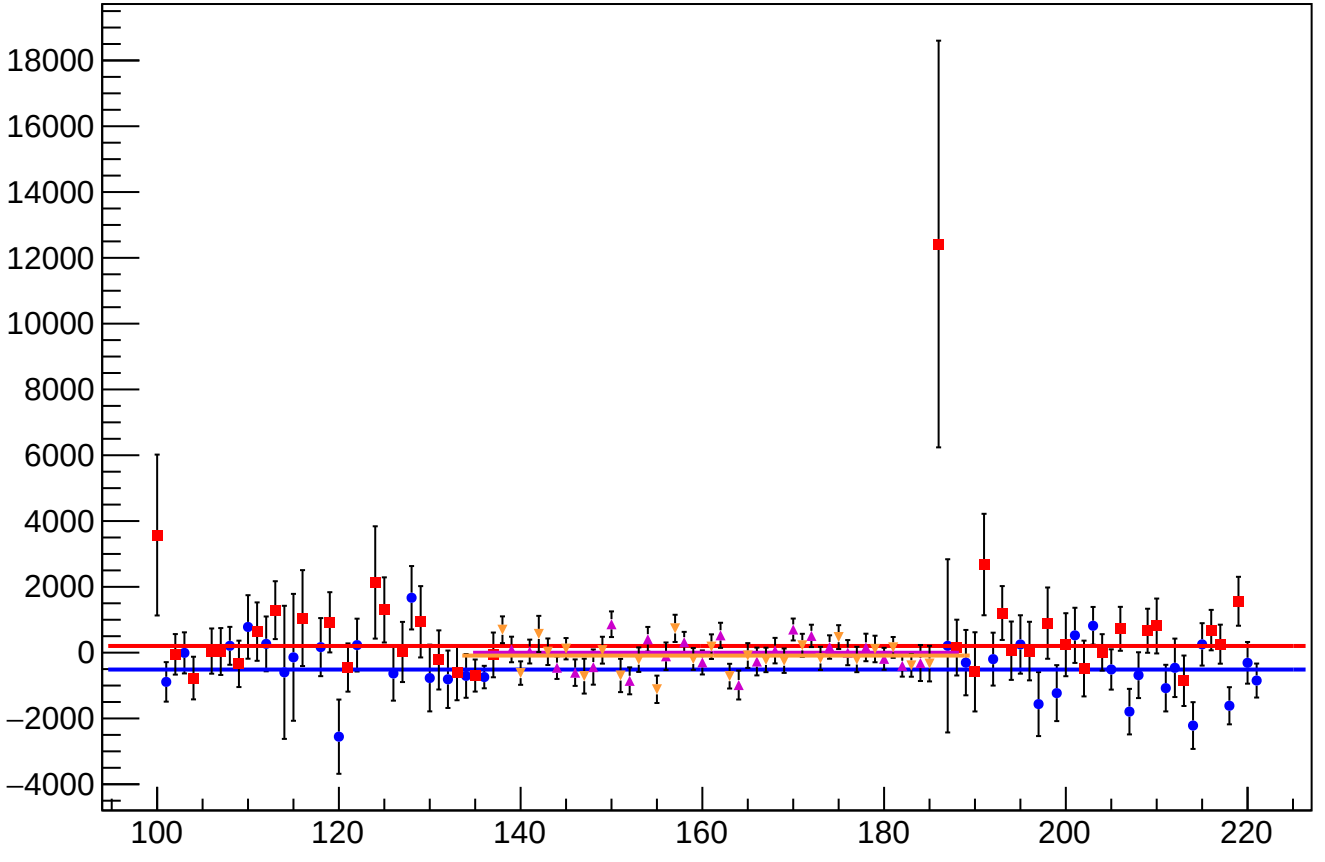
Right: 66.574+/-0.007 χ^2/NDF: 3547978.6/70

In: 61.584+/-0.007 χ^2/NDF:1972218.8/56

Out: 61.840+/-0.007 χ^2/NDF:2695855.1/61

All: 61.712+/-0.005 χ^2/NDF: 4668752.0/118

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



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: 202.962+/-131.429 χ^2/NDF: 33.5/36

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

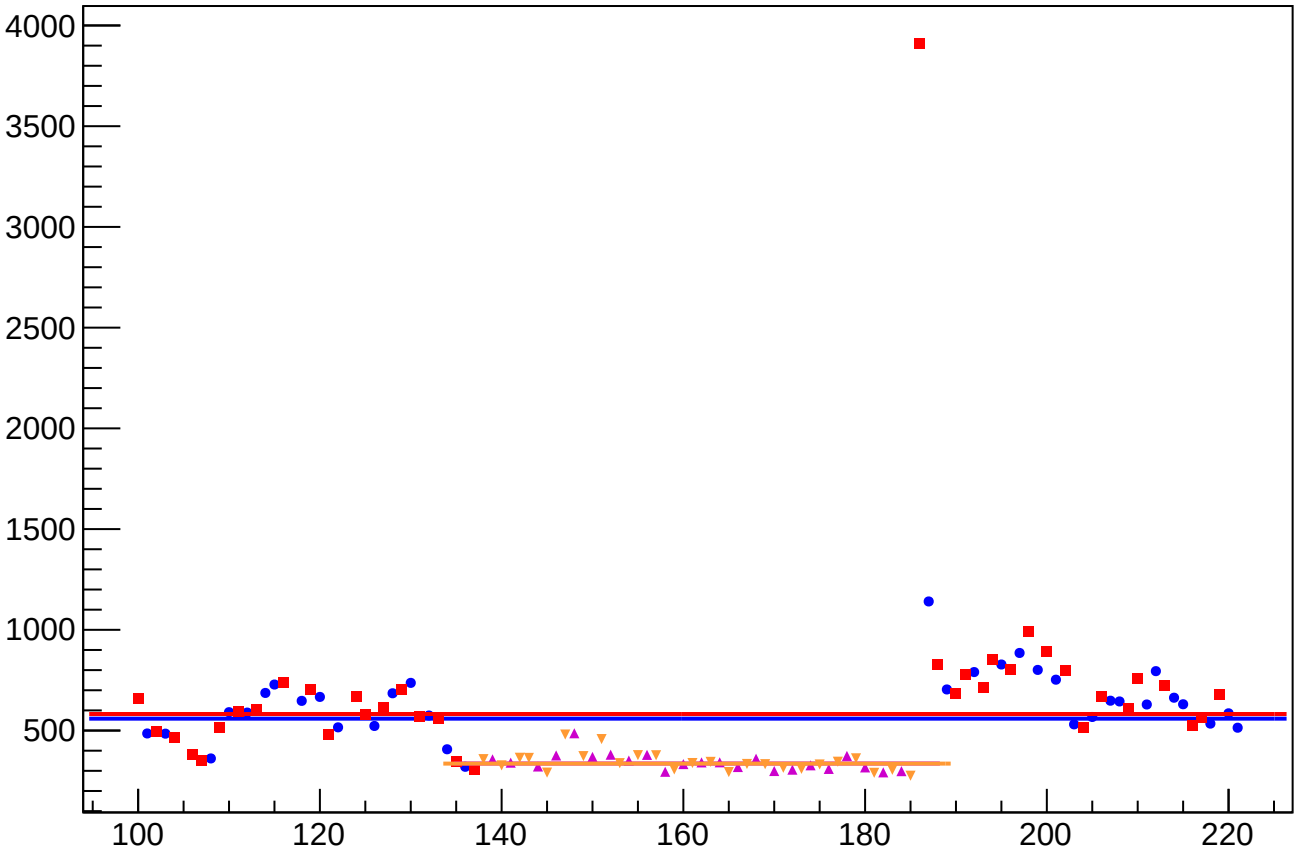
Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

Right: -177.129+/-90.064 χ^2/NDF: 90.6/70

In: -151.540+/-66.690 χ^2/NDF:87.0/56

Out: -14.422+/-66.445 χ^2/NDF:67.0/61

All: -82.728+/-47.070 χ^2/NDF: 156.2/118



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: 582.069+/-0.093 χ^2/NDF: 3491071.4/36

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

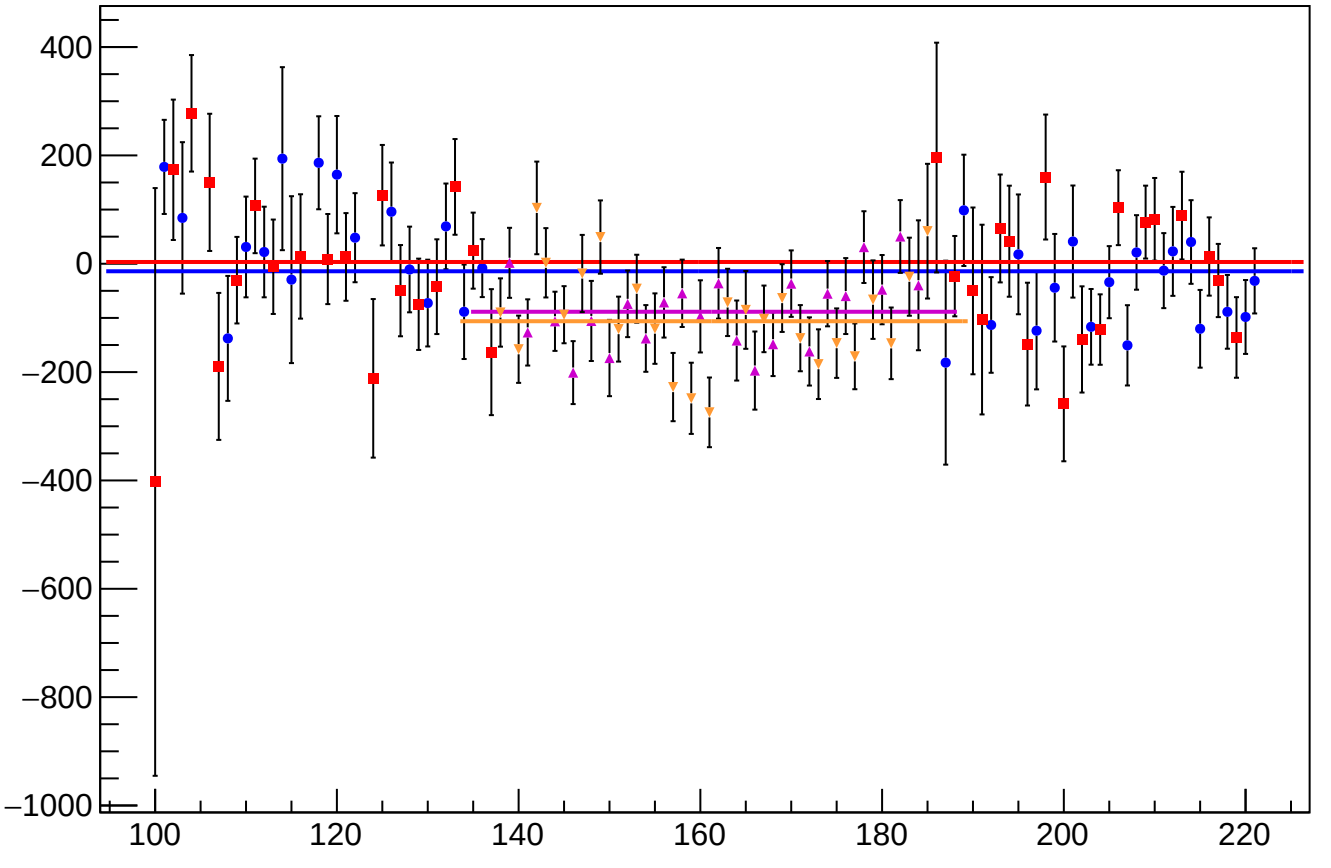
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 569.853+/-0.064 χ^2/NDF: 6374227.0/70

In: 401.110+/-0.047 χ^2/NDF:7864335.7/56

Out: 398.813+/-0.047 χ^2/NDF:9248232.7/61

All: 399.957+/-0.033 χ^2/NDF: 17113758.9/1



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: 3.264+/-15.002 χ^2/NDF: 50.6/36

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

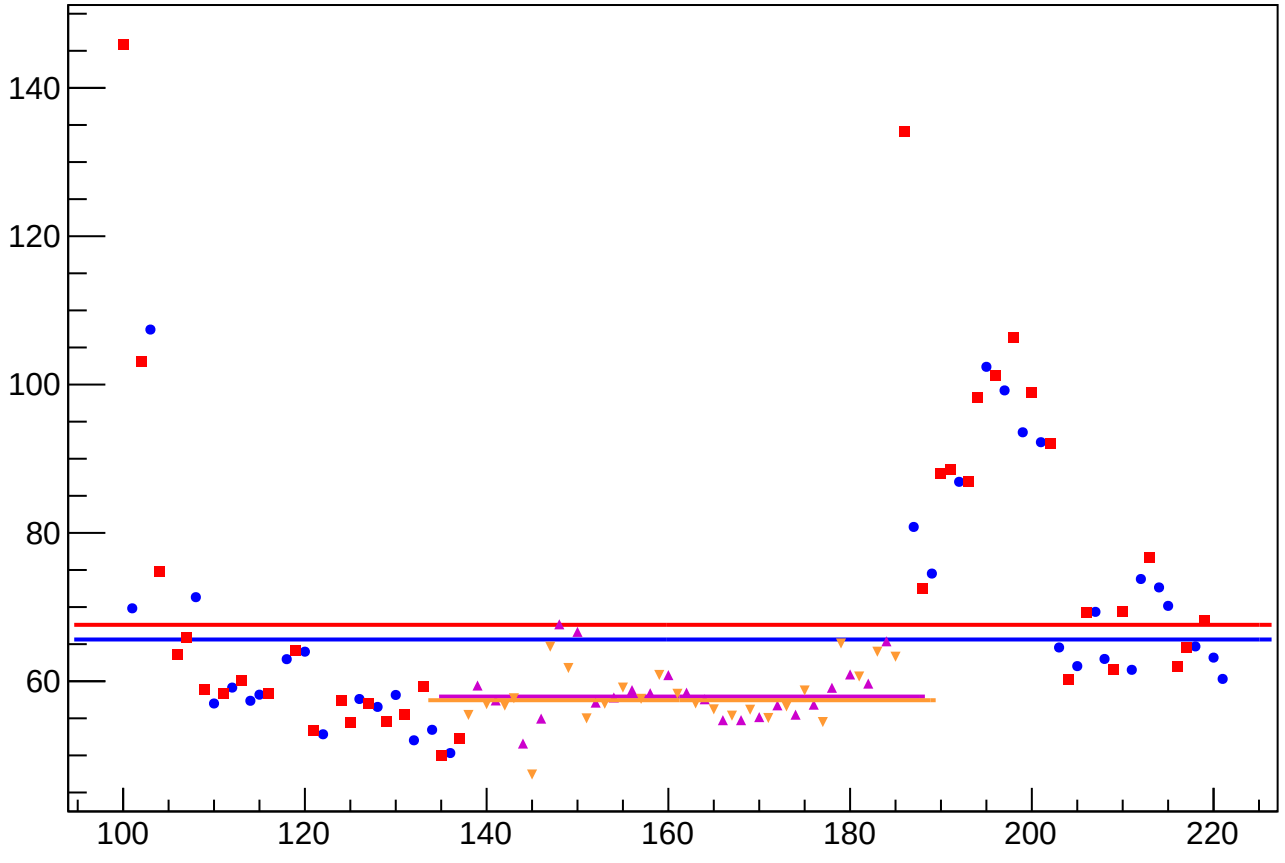
Right: -5.728+/-10.343 χ^2/NDF: 88.7/70

In: -53.159+/-9.835 χ^2/NDF:75.7/56

Out: -58.830+/-9.863 χ^2/NDF:121.5/61

All: -55.986+/-6.964 χ^2/NDF: 197.4/118

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

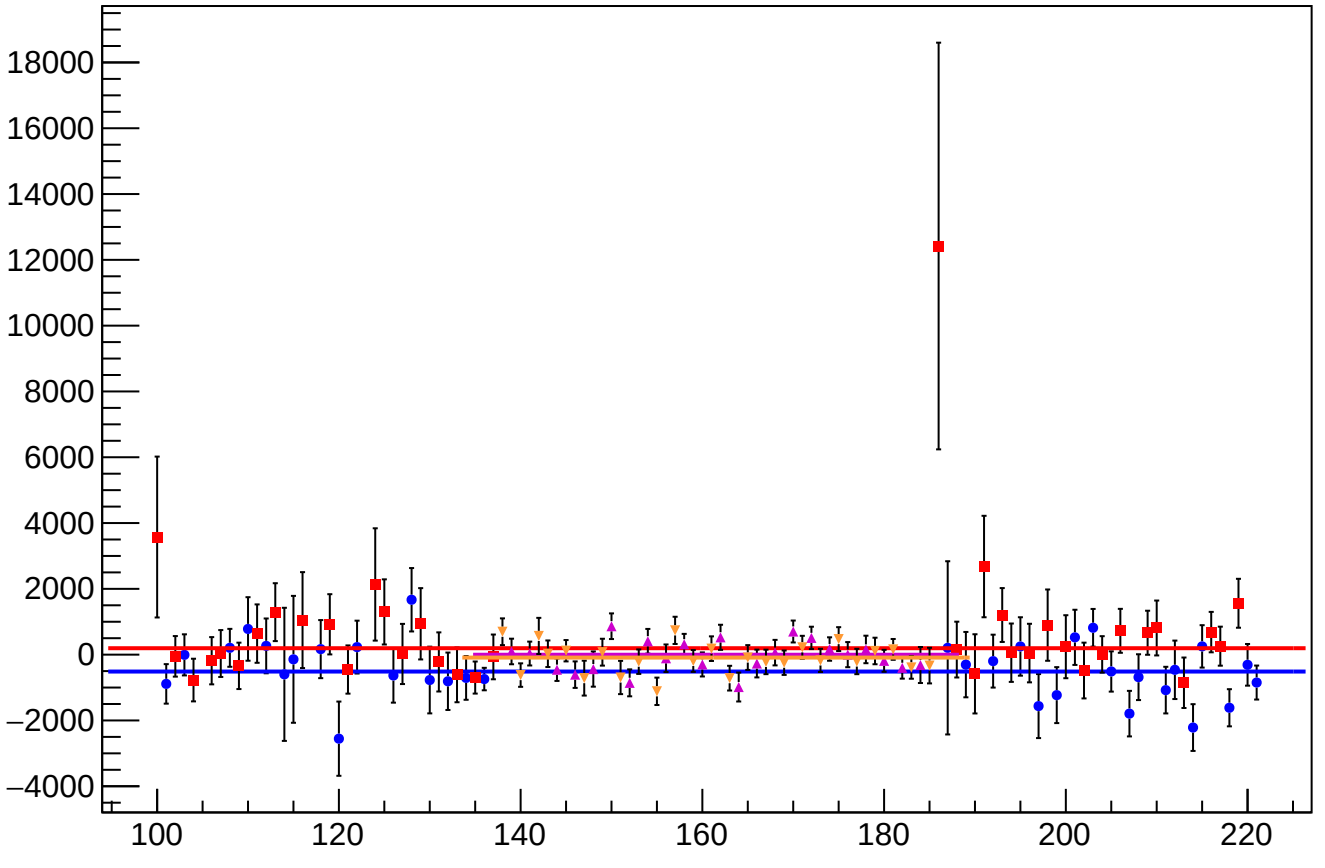
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.568+/-0.007 χ^2/NDF: 3548799.6/70

In: 61.584+/-0.007 χ^2/NDF:1972220.8/56

Out: 61.834+/-0.007 χ^2/NDF:2695513.3/61

All: 61.708+/-0.005 χ^2/NDF: 4668380.1/118



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: 195.639+/-131.638 χ^2/NDF: 33.7/36

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

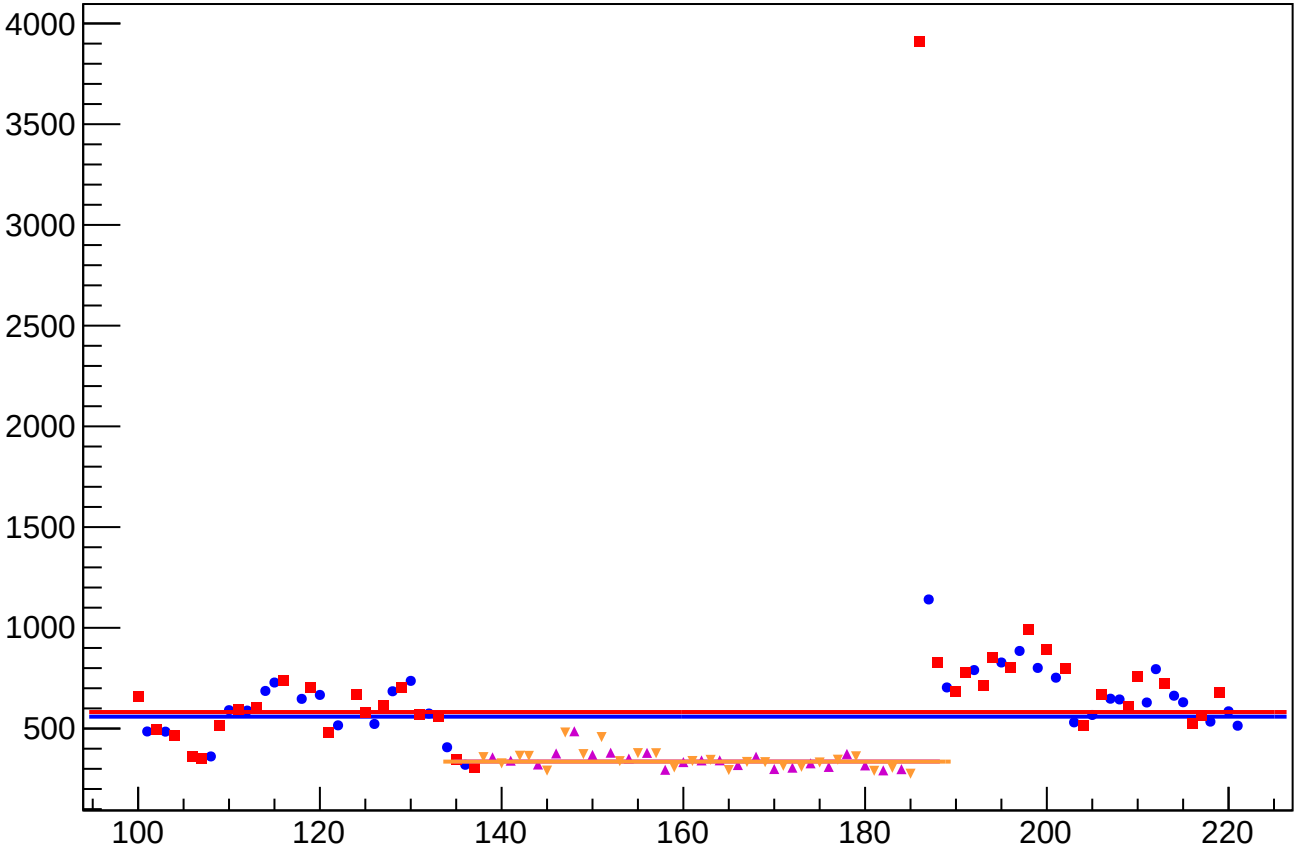
Right: -181.121+/-90.131 χ^2/NDF: 90.4/70

In: -151.537+/-66.690 χ^2/NDF:87.0/56

Out: -16.468+/-66.472 χ^2/NDF:67.1/61

All: -83.780+/-47.080 χ^2/NDF: 156.1/118

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: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

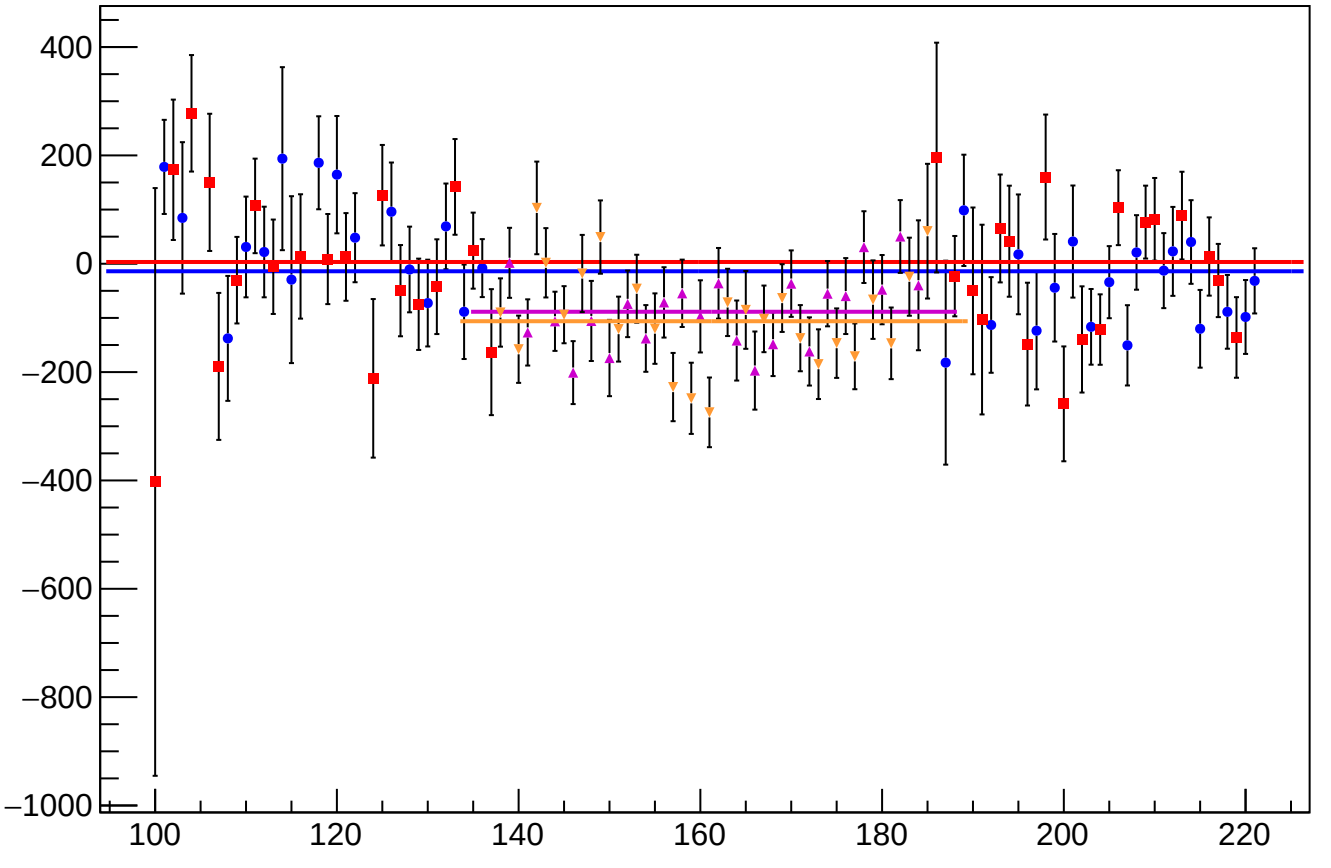
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 569.810+/-0.064 χ^2/NDF: 6393396.2/70

In: 401.110+/-0.047 χ^2/NDF:7864364.3/56

Out: 398.650+/-0.047 χ^2/NDF:9252986.1/61

All: 399.876+/-0.033 χ^2/NDF: 17118715.0/11



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: 3.264+/-15.002 χ^2/NDF: 50.6/36

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

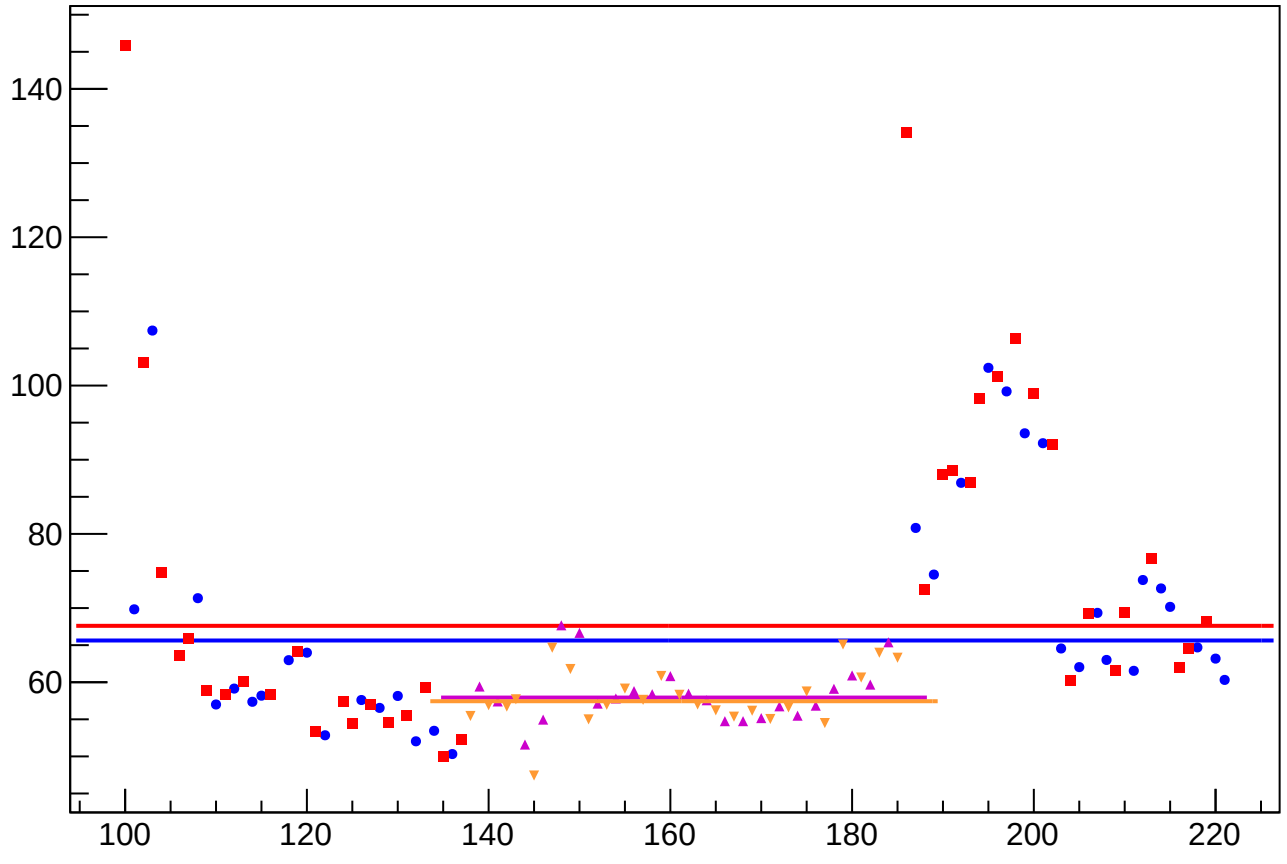
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -5.728+/-10.343 χ^2/NDF: 88.7/70

In: -53.159+/-9.835 χ^2/NDF:75.7/56

Out: -58.830+/-9.863 χ^2/NDF:121.5/61

All: -55.986+/-6.964 χ^2/NDF: 197.4/118



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: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

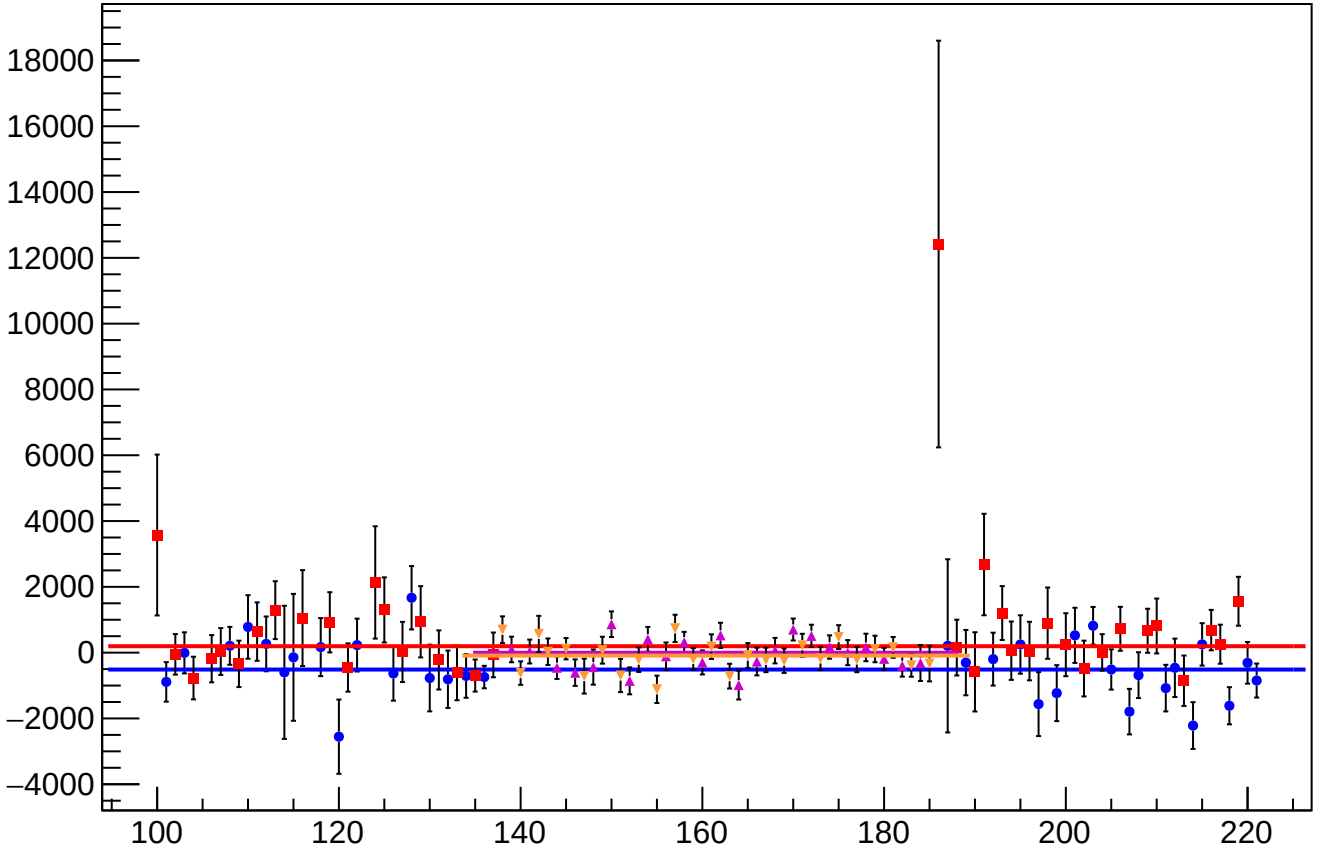
Right: 66.568+/-0.007 χ^2/NDF: 3548799.6/70

In: 61.584+/-0.007 χ^2/NDF:1972220.8/56

Out: 61.834+/-0.007 χ^2/NDF:2695513.3/61

All: 61.708+/-0.005 χ^2/NDF: 4668380.1/118

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 195.639+/-131.638 χ^2/NDF: 33.7/36

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

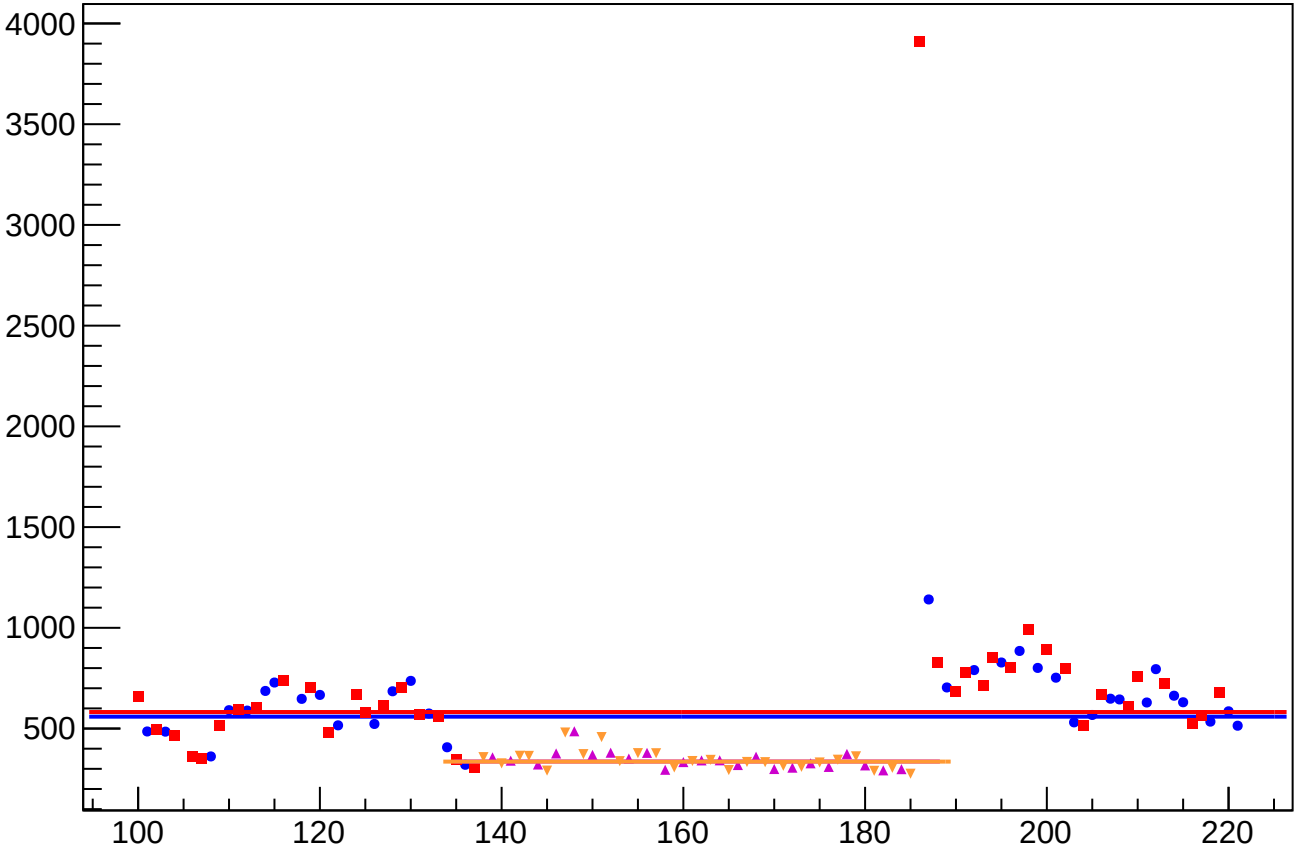
Right: -181.121+/-90.131 χ^2/NDF: 90.4/70

In: -151.537+/-66.690 χ^2/NDF:87.0/56

Out: -16.468+/-66.472 χ^2/NDF:67.1/61

All: -83.780+/-47.080 χ^2/NDF: 156.1/118

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: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

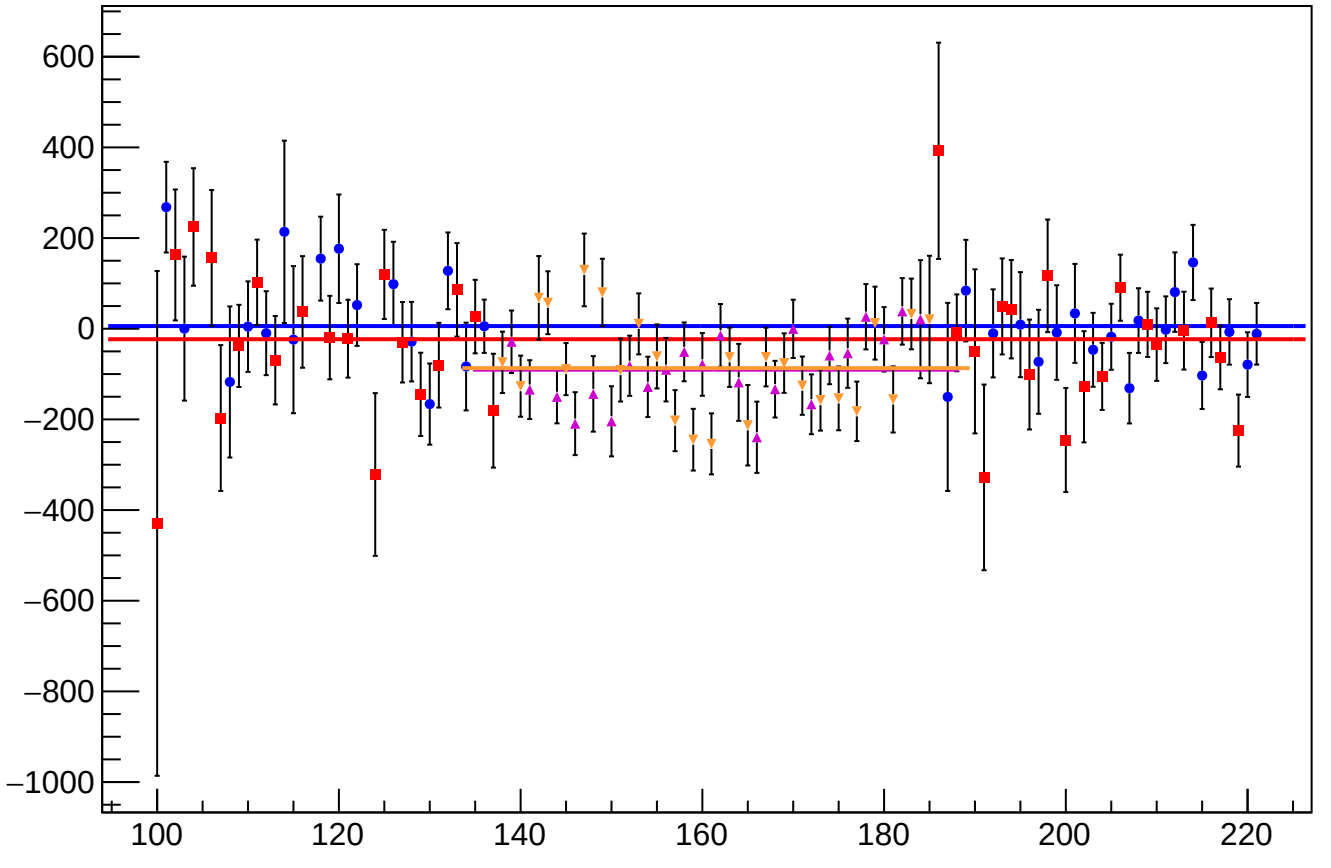
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 569.810+/-0.064 χ^2/NDF: 6393396.2/70

In: 401.110+/-0.047 χ^2/NDF:7864364.3/56

Out: 398.650+/-0.047 χ^2/NDF:9252986.1/61

All: 399.876+/-0.033 χ^2/NDF: 17118715.0/1



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: -23.135+/-16.418 χ^2/NDF: 44.0/36

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

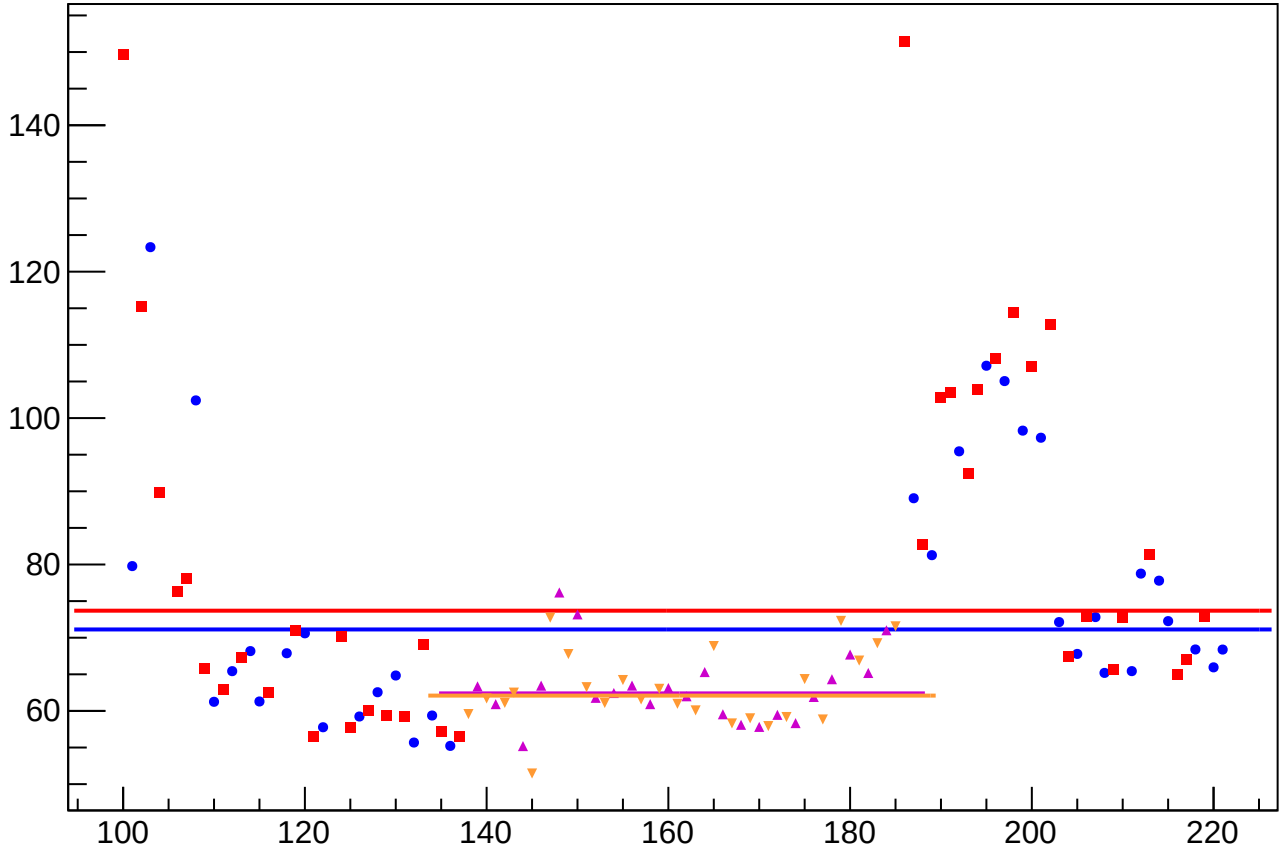
Right: -7.817+/-11.277 χ^2/NDF: 79.4/70

In: -44.988+/-10.654 χ^2/NDF:79.1/56

Out: -59.701+/-10.729 χ^2/NDF:101.5/61

All: -52.293+/-7.560 χ^2/NDF: 181.6/118

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: 73.692+/-0.012 χ^2/NDF: 2103615.4/36

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

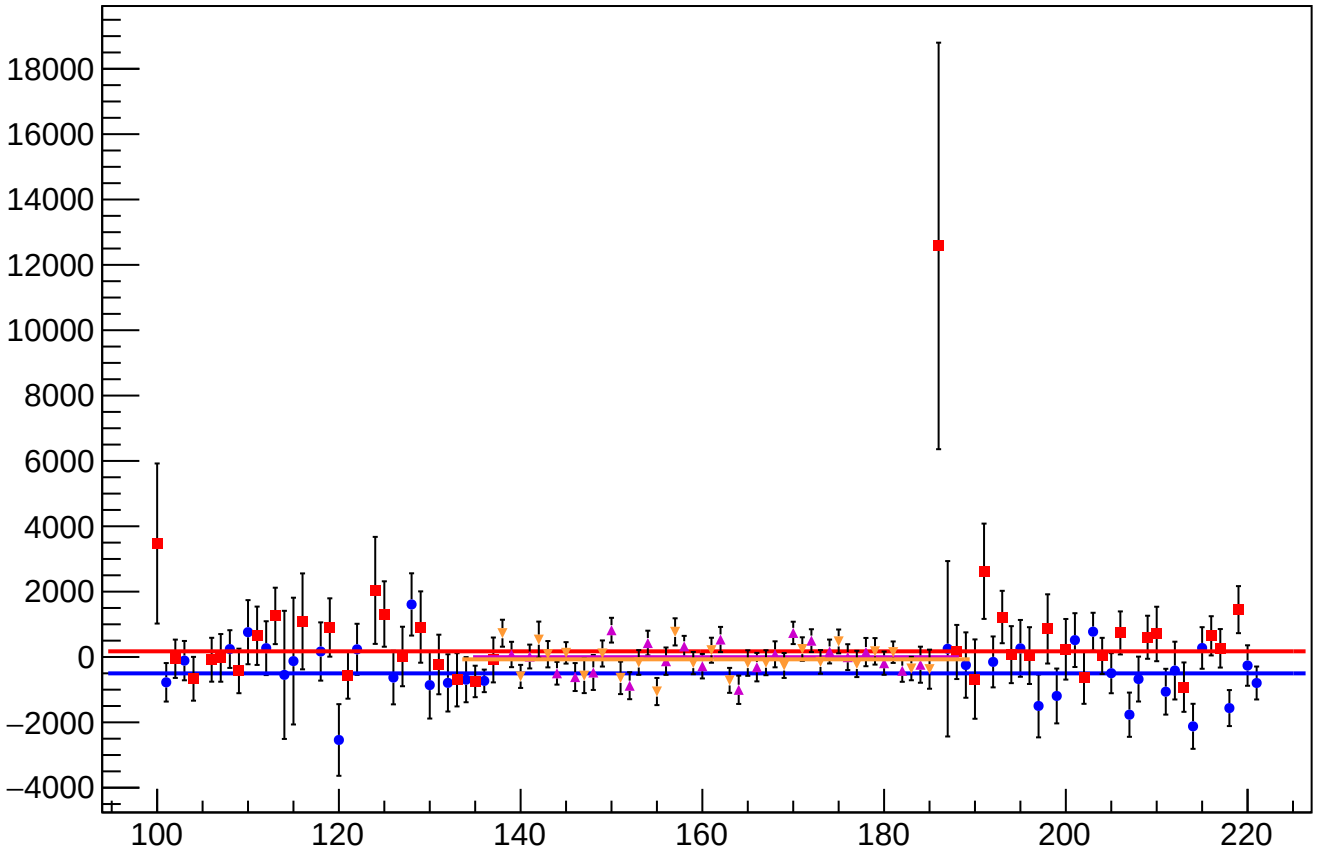
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.338+/-0.008 χ^2/NDF: 3668546.4/70

In: 66.513+/-0.008 χ^2/NDF:2062816.4/56

Out: 67.047+/-0.008 χ^2/NDF:2908881.1/61

All: 66.778+/-0.005 χ^2/NDF: 4974187.7/118



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: 173.537+/-129.686 χ^2/NDF: 34.7/36

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

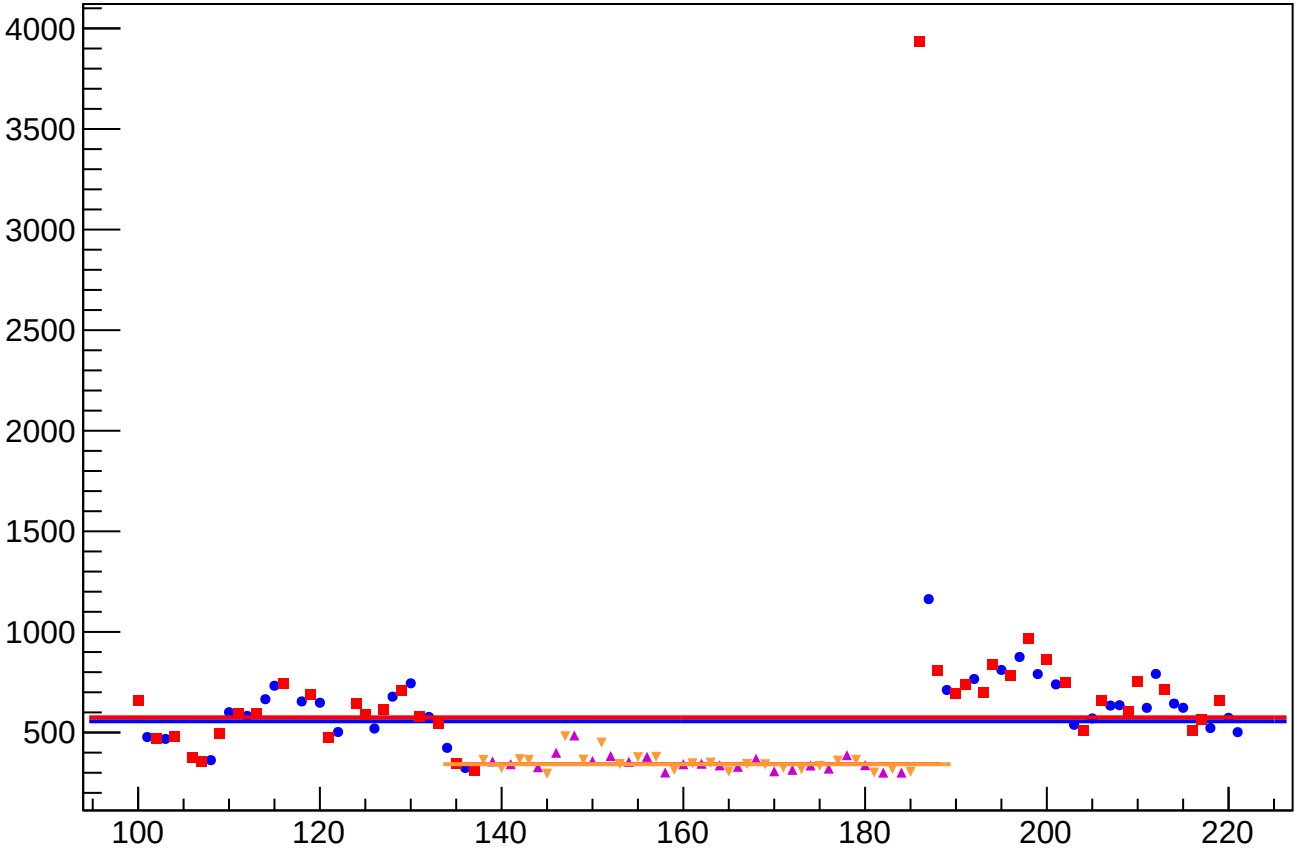
Right: -182.772+/-89.103 χ^2/NDF: 89.2/70

In: -155.946+/-67.447 χ^2/NDF:85.5/56

Out: -5.788+/-67.092 χ^2/NDF:65.9/61

All: -80.471+/-47.567 χ^2/NDF: 153.9/118

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



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: 575.457+/-0.092 χ^2/NDF: 3350192.5/36

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

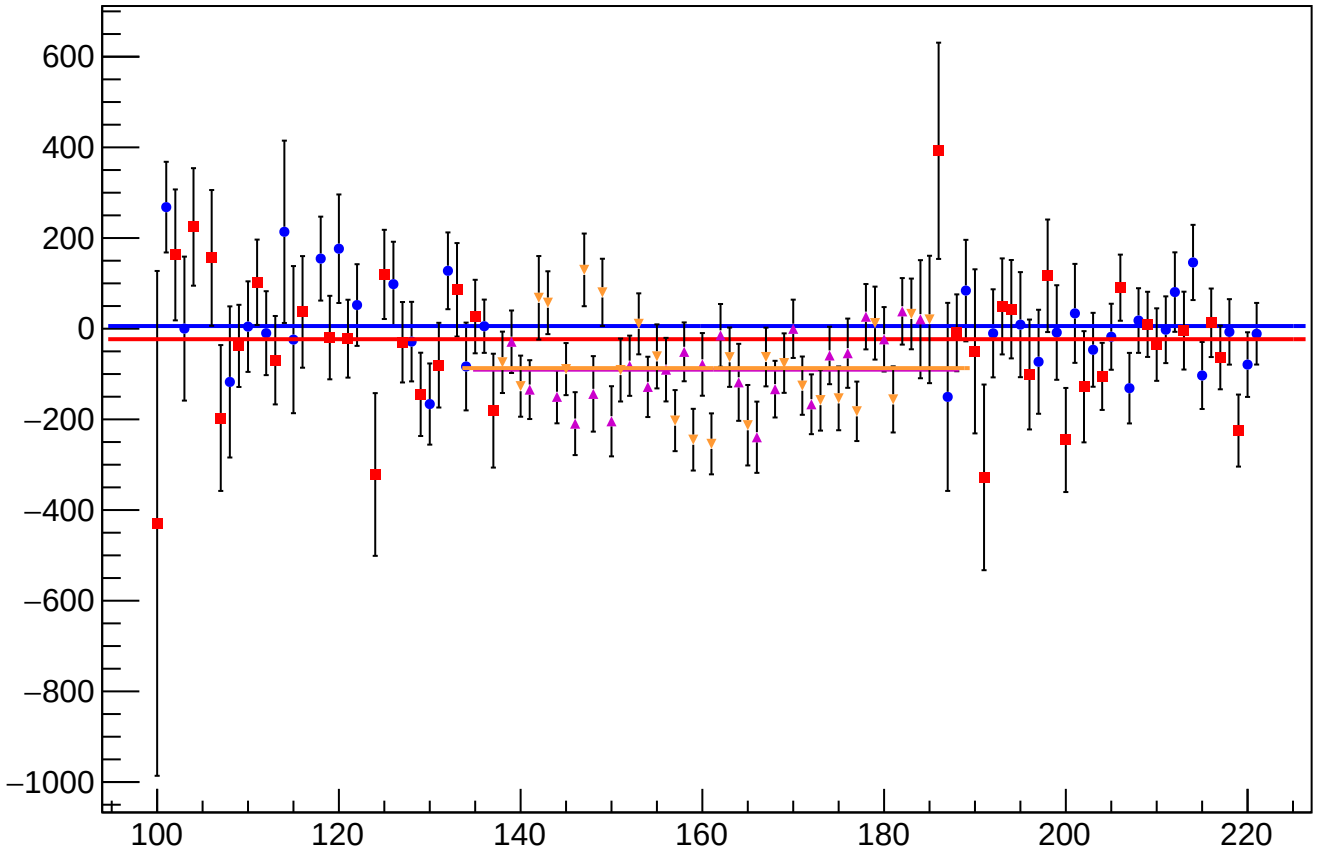
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 565.077+/-0.063 χ^2/NDF: 6087042.2/70

In: 407.543+/-0.048 χ^2/NDF:7276415.3/56

Out: 404.852+/-0.047 χ^2/NDF:8510559.4/61

All: 406.190+/-0.034 χ^2/NDF: 15788575.3/11



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: -23.135+/-16.418 χ^2/NDF: 44.0/36

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

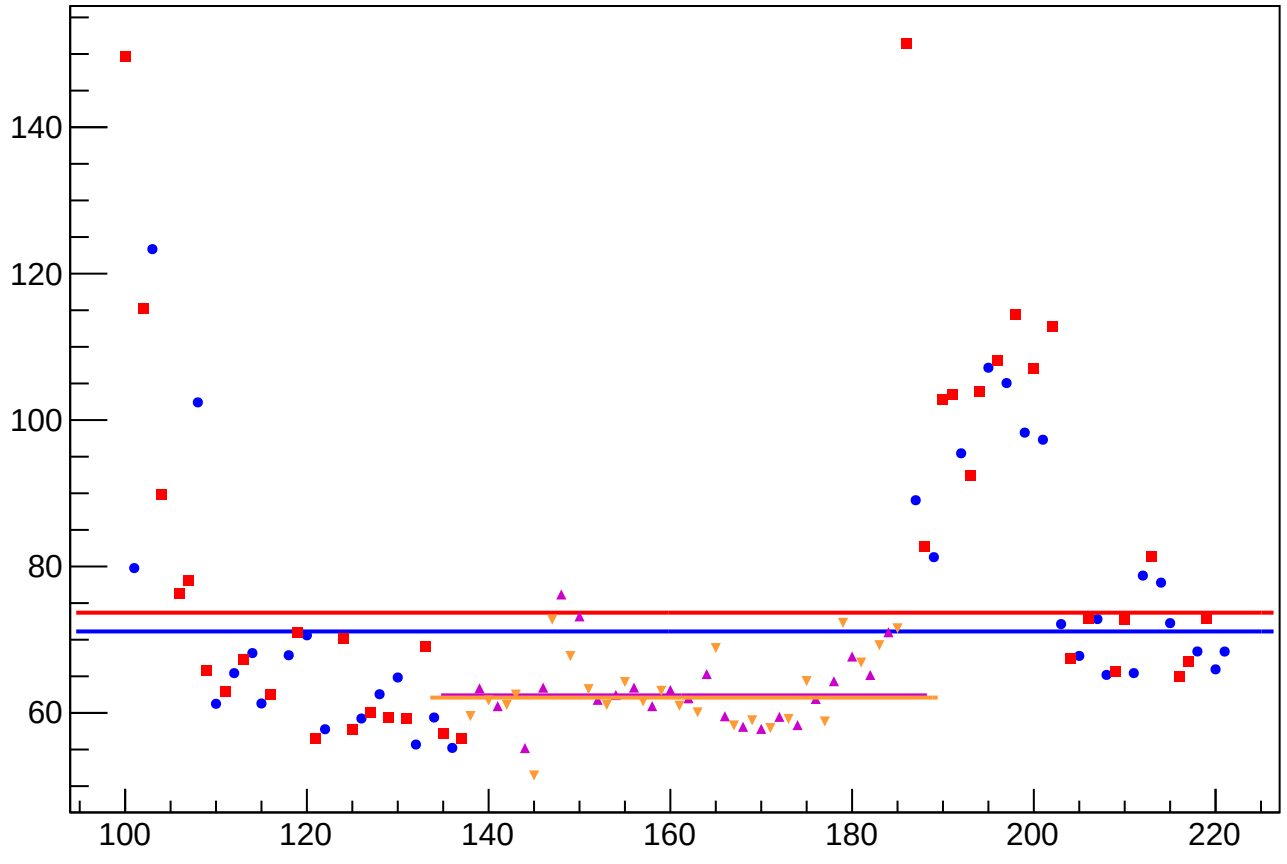
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -7.817+/-11.277 χ^2/NDF: 79.4/70

In: -44.987+/-10.654 χ^2/NDF:79.1/56

Out: -59.700+/-10.729 χ^2/NDF:101.5/61

All: -52.293+/-7.560 χ^2/NDF: 181.6/118



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: 73.692+/-0.012 χ^2/NDF: 2103619.3/36

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

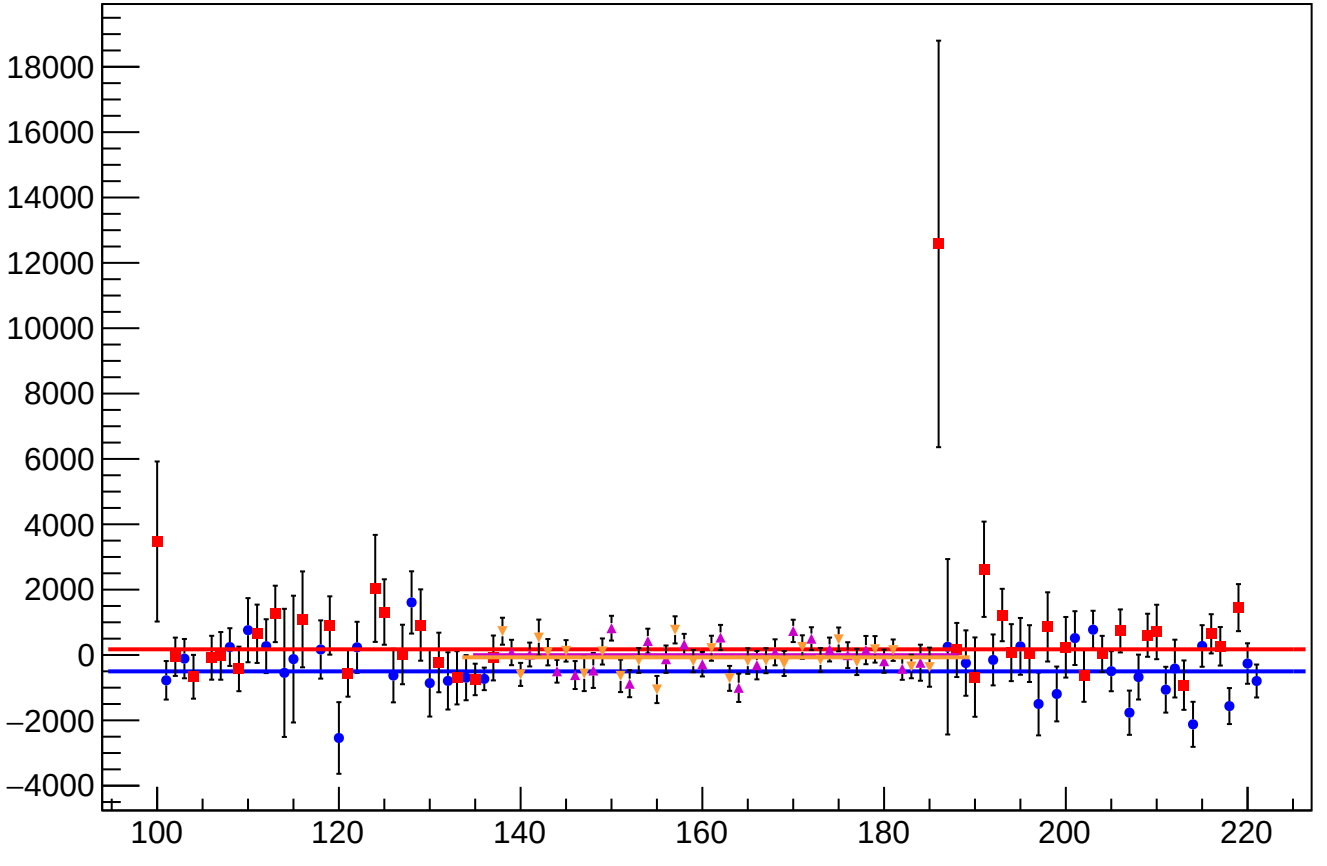
Right: 72.338+/-0.008 χ^2/NDF: 3668573.6/70

In: 66.513+/-0.008 χ^2/NDF:2062838.1/56

Out: 67.047+/-0.008 χ^2/NDF:2908884.4/61

All: 66.778+/-0.005 χ^2/NDF: 4974212.5/118

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 173.537+/-129.685 χ^2/NDF: 34.7/36

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

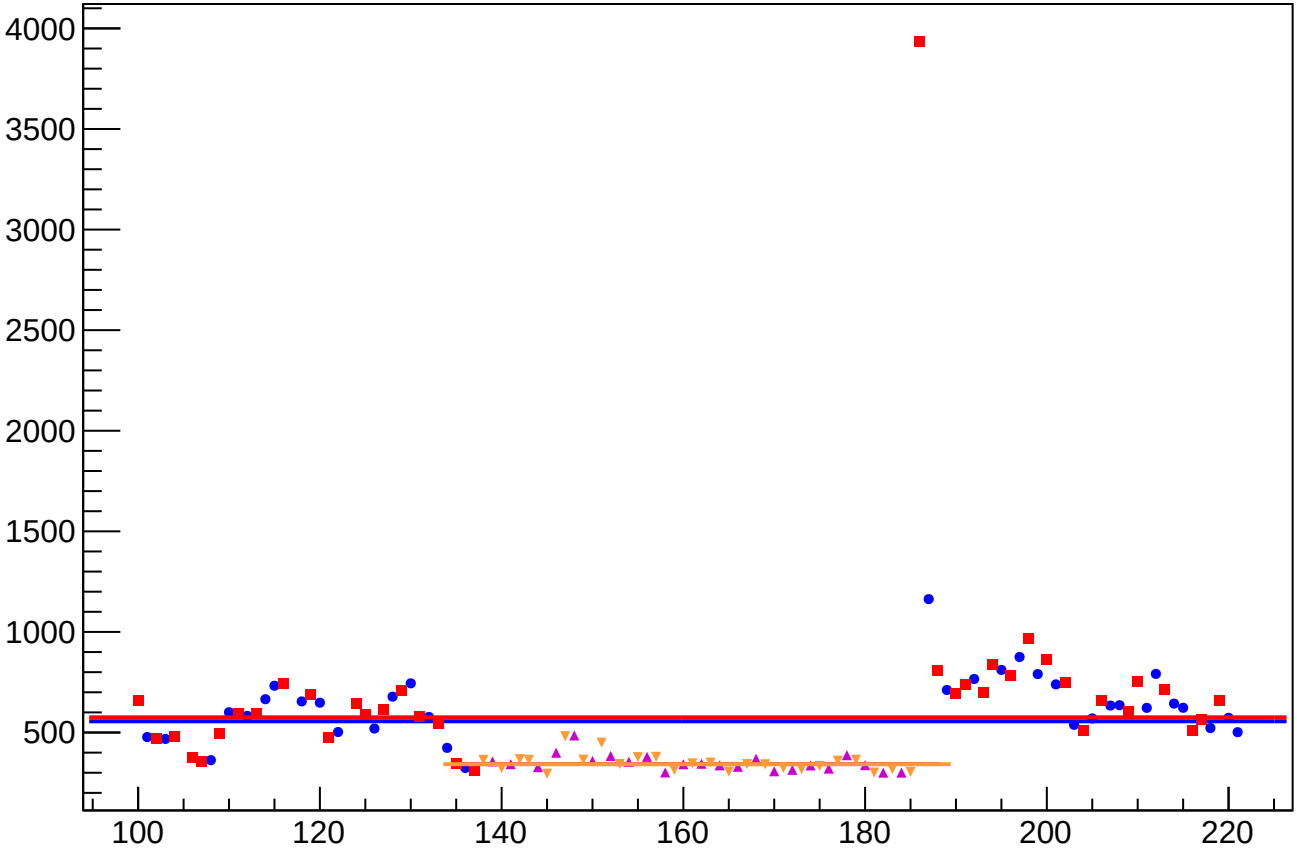
Right: -182.772+/-89.103 χ^2/NDF: 89.2/70

In: -155.946+/-67.447 χ^2/NDF:85.5/56

Out: -5.788+/-67.092 χ^2/NDF:65.9/61

All: -80.471+/-47.566 χ^2/NDF: 153.9/118

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: 575.456+/-0.092 χ^2/NDF: 3350198.7/36

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

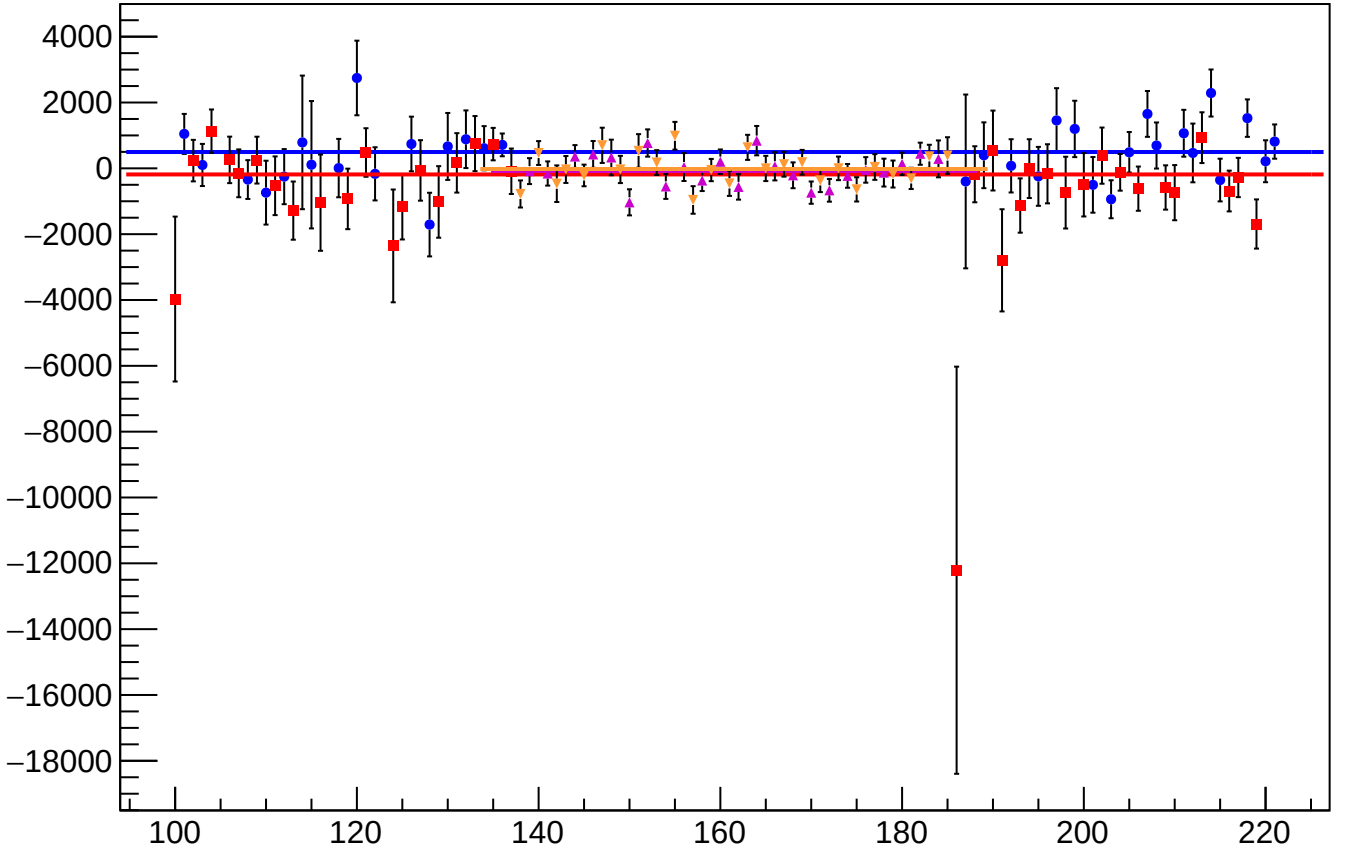
Right: 565.076+/-0.063 χ^2/NDF: 6087051.0/70

In: 407.543+/-0.048 χ^2/NDF:7276398.6/56

Out: 404.852+/-0.047 χ^2/NDF:8510546.2/61

All: 406.190+/-0.034 χ^2/NDF: 15788545.5/1

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: -185.307+/-132.636 χ^2/NDF: 36.3/36

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

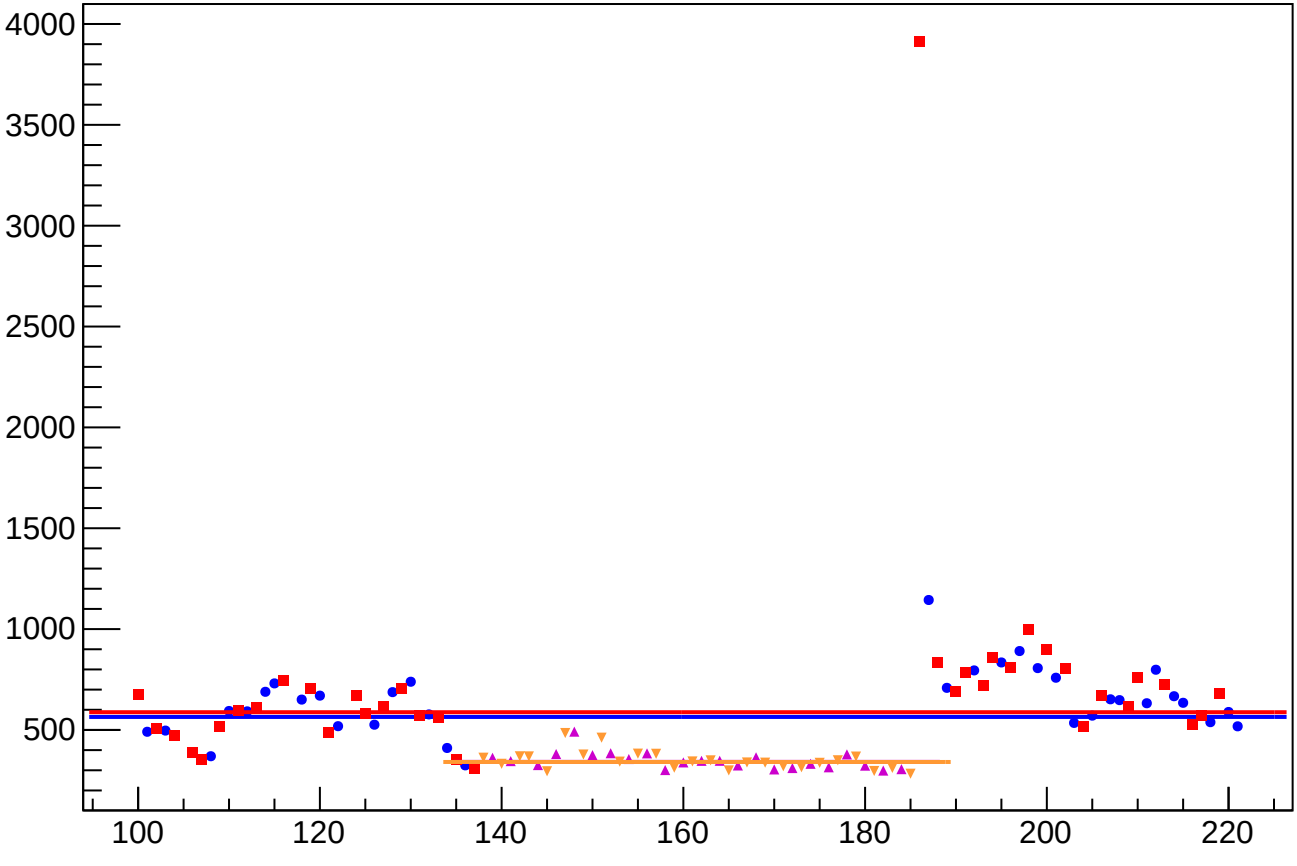
Right: 176.269+/-90.873 χ^2/NDF: 92.4/70

In: 90.009+/-67.587 χ^2/NDF:90.1/56

Out: -62.839+/-67.361 χ^2/NDF:68.9/61

All: 13.329+/-47.711 χ^2/NDF: 161.5/118

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: 587.896+/-0.094 χ^2/NDF: 3421506.0/36

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

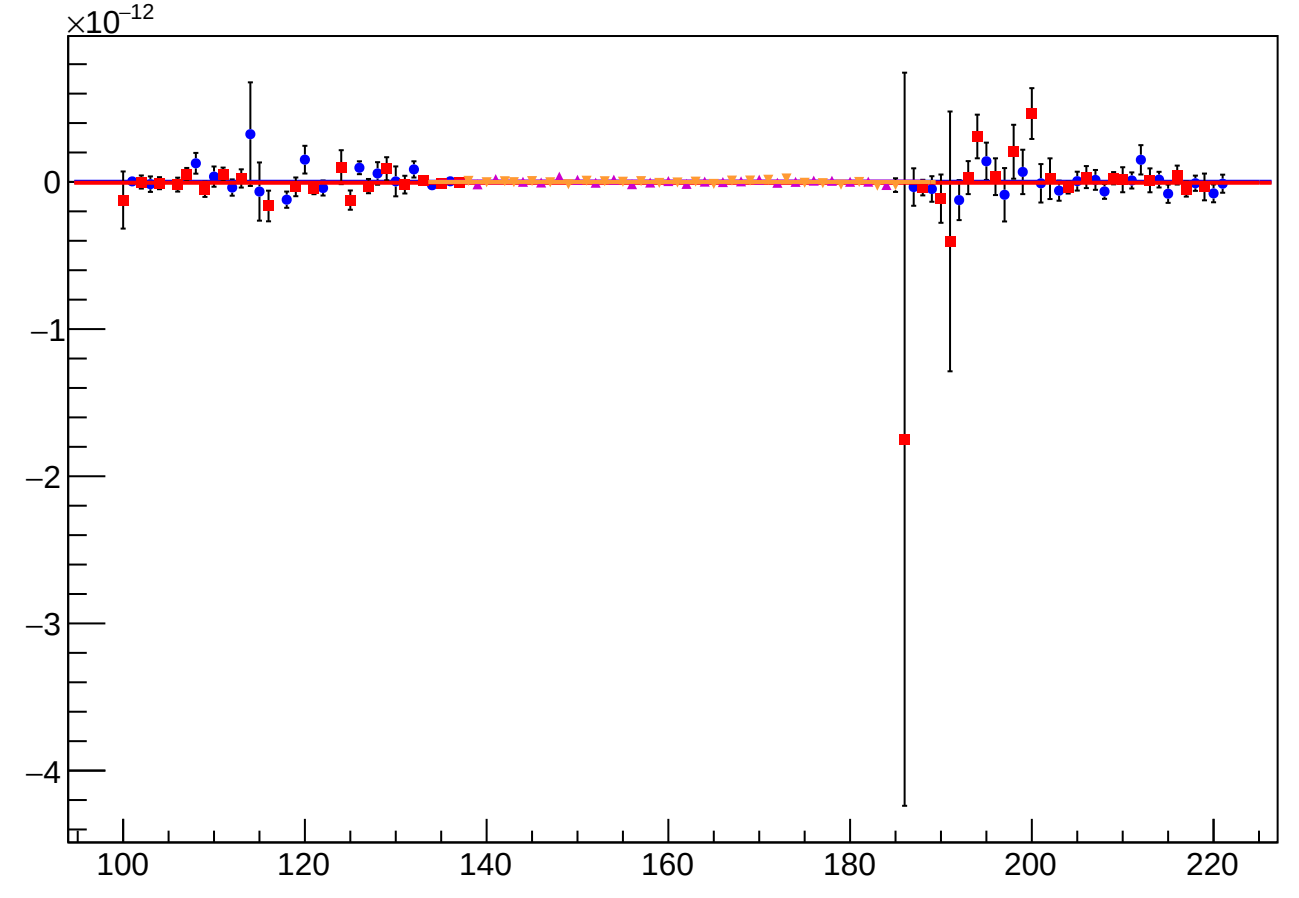
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 575.464+/-0.064 χ^2/NDF: 6237736.9/70

In: 407.030+/-0.048 χ^2/NDF:7688517.6/56

Out: 404.829+/-0.048 χ^2/NDF:9066646.7/61

All: 405.925+/-0.034 χ^2/NDF: 16756228.3/11



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: 32.1/36

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

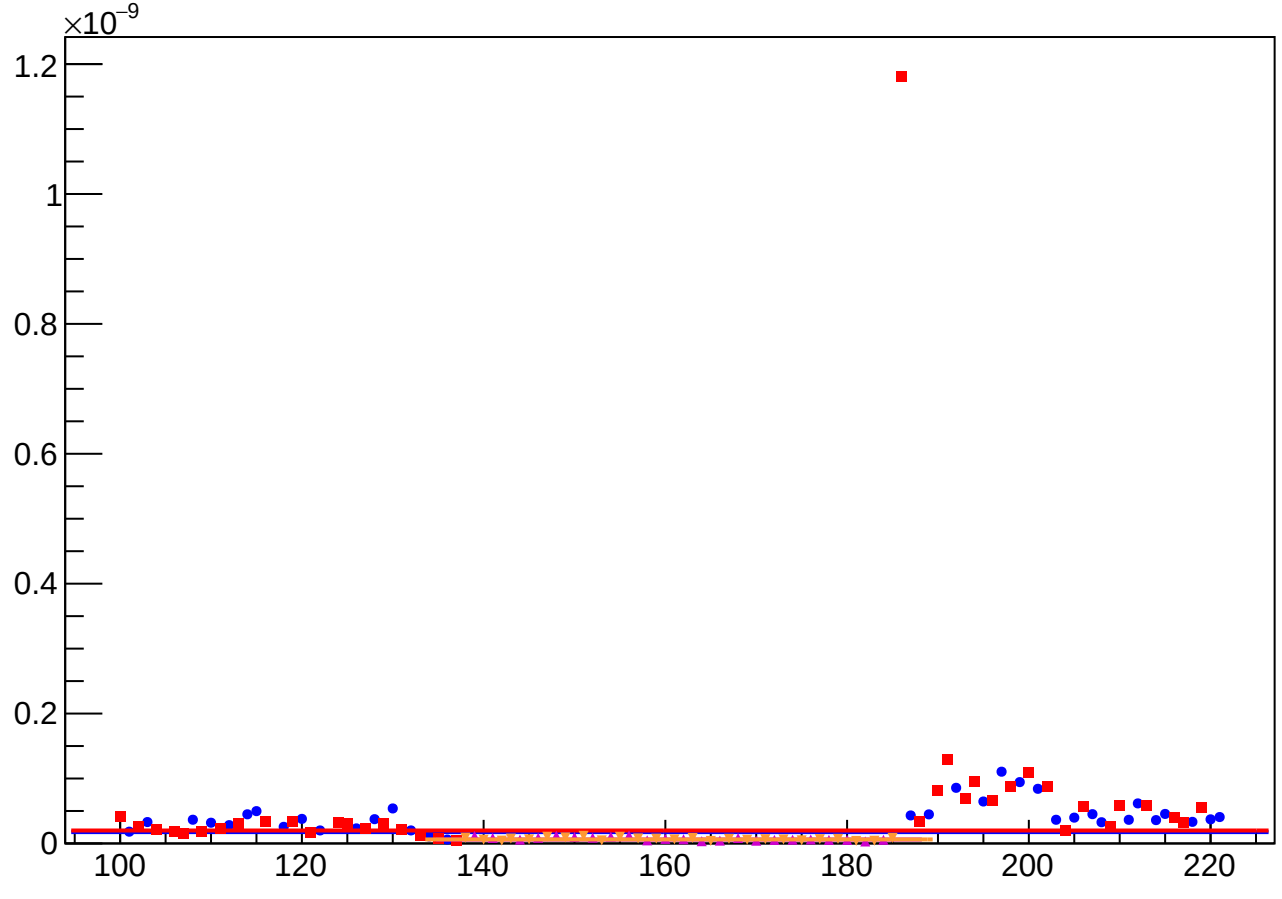
Right: -0.000+/-0.000 χ^2/NDF: 65.2/70

In: 0.000+/-0.000 χ^2/NDF:47.1/56

Out: -0.000+/-0.000 χ^2/NDF:51.7/61

All: 0.000+/-0.000 χ^2/NDF: 99.6/118

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: 7830209.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

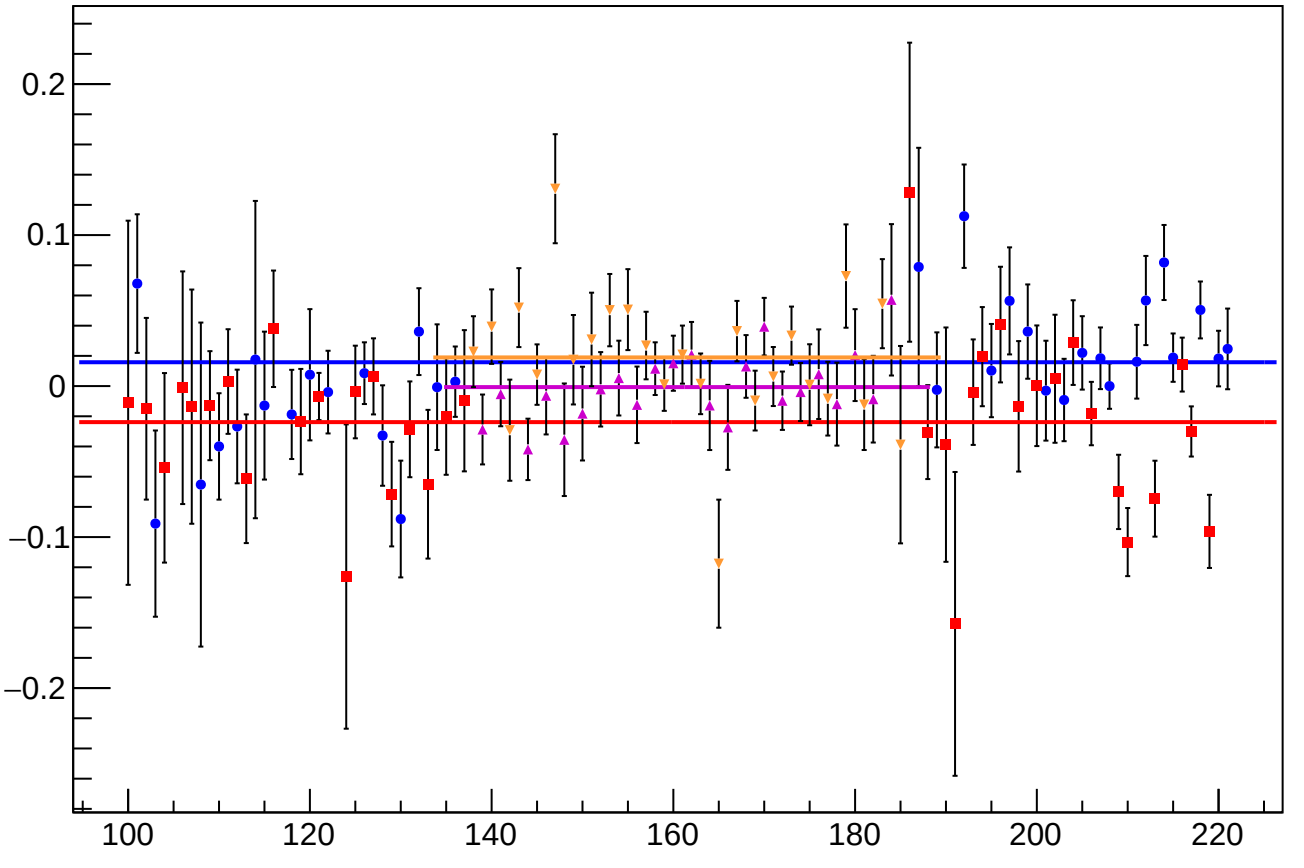
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17242698.4/70

In: 0.000+/-0.000 χ^2/NDF:15365899.2/56

Out: 0.000+/-0.000 χ^2/NDF:14128312.1/61

All: 0.000+/-0.000 χ^2/NDF: 29494662.4/118



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: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

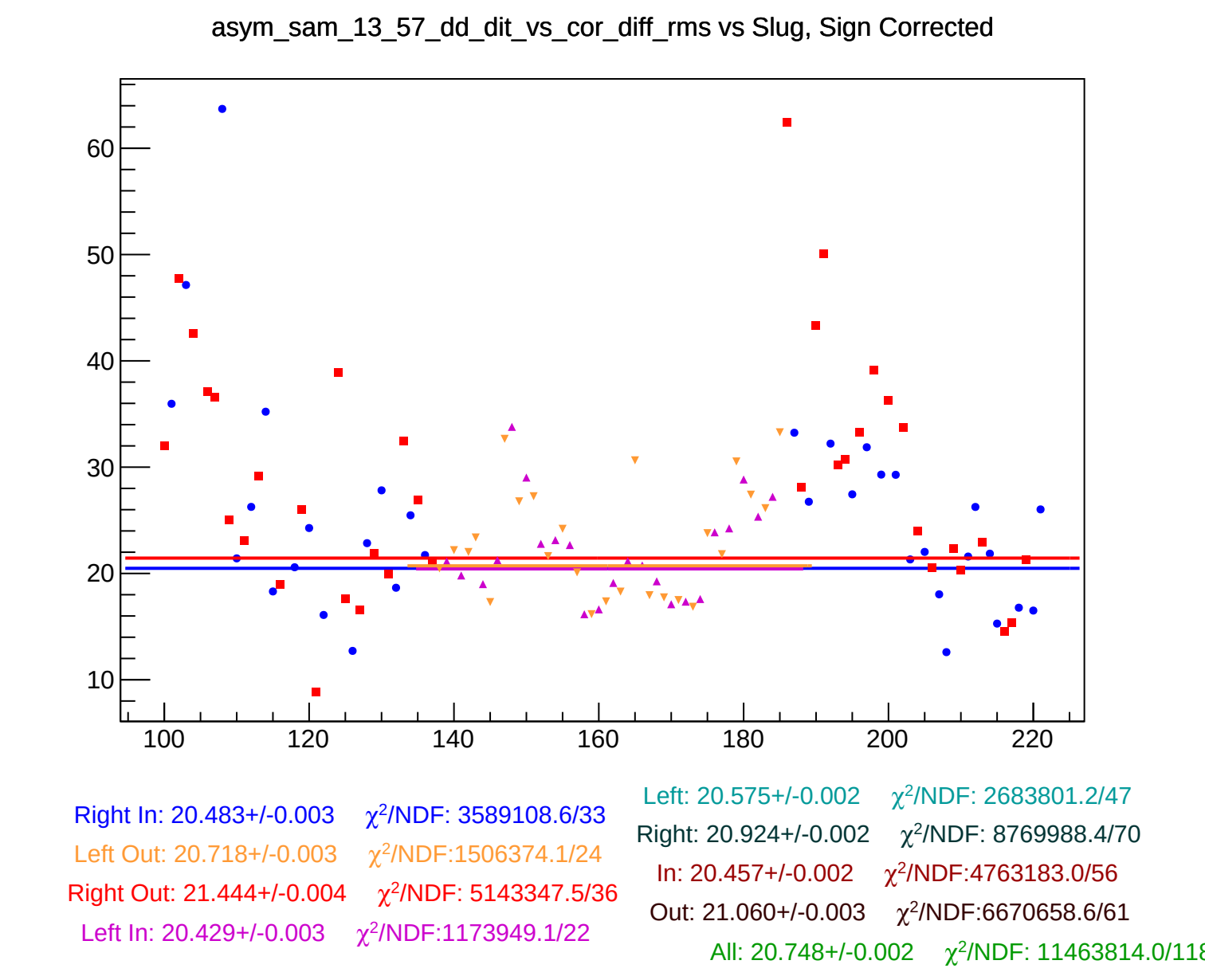
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

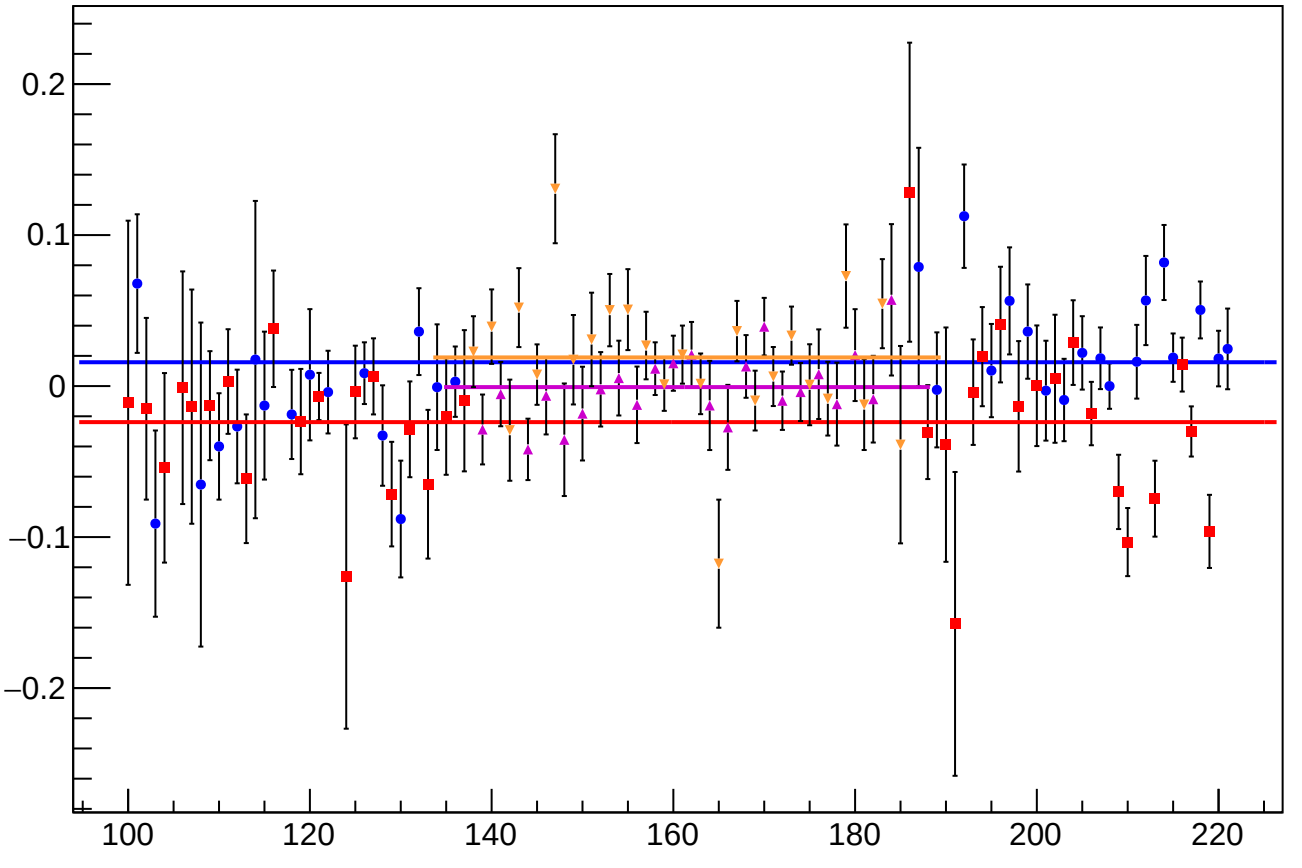
Right: -0.002+/-0.003 χ^2/NDF: 137.2/70

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 209.7/118


asym_sam_13_57_dd_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: 3589108.6/33
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 21.444+/-0.004 χ²/NDF: 5143347.5/36
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
Left: 20.575+/-0.002 χ²/NDF: 2683801.2/47
Right: 20.924+/-0.002 χ²/NDF: 8769988.4/70
In: 20.457+/-0.002 χ²/NDF:4763183.0/56
Out: 21.060+/-0.003 χ²/NDF:6670658.6/61
All: 20.748+/-0.002 χ²/NDF: 11463814.0/118



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: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

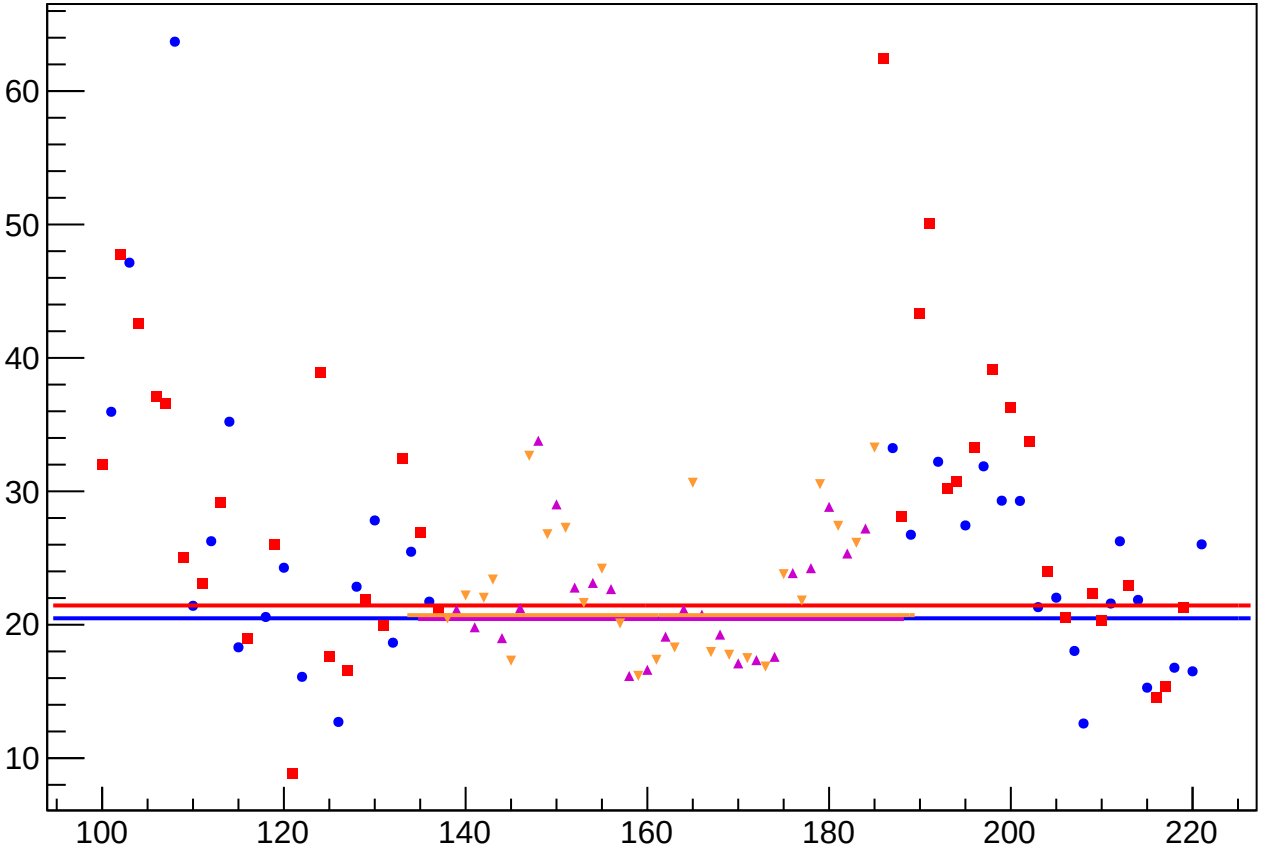
Right: -0.002+/-0.003 χ^2/NDF: 137.2/70

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 209.7/118

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: 21.444+/-0.004 χ^2/NDF: 5143347.5/36

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

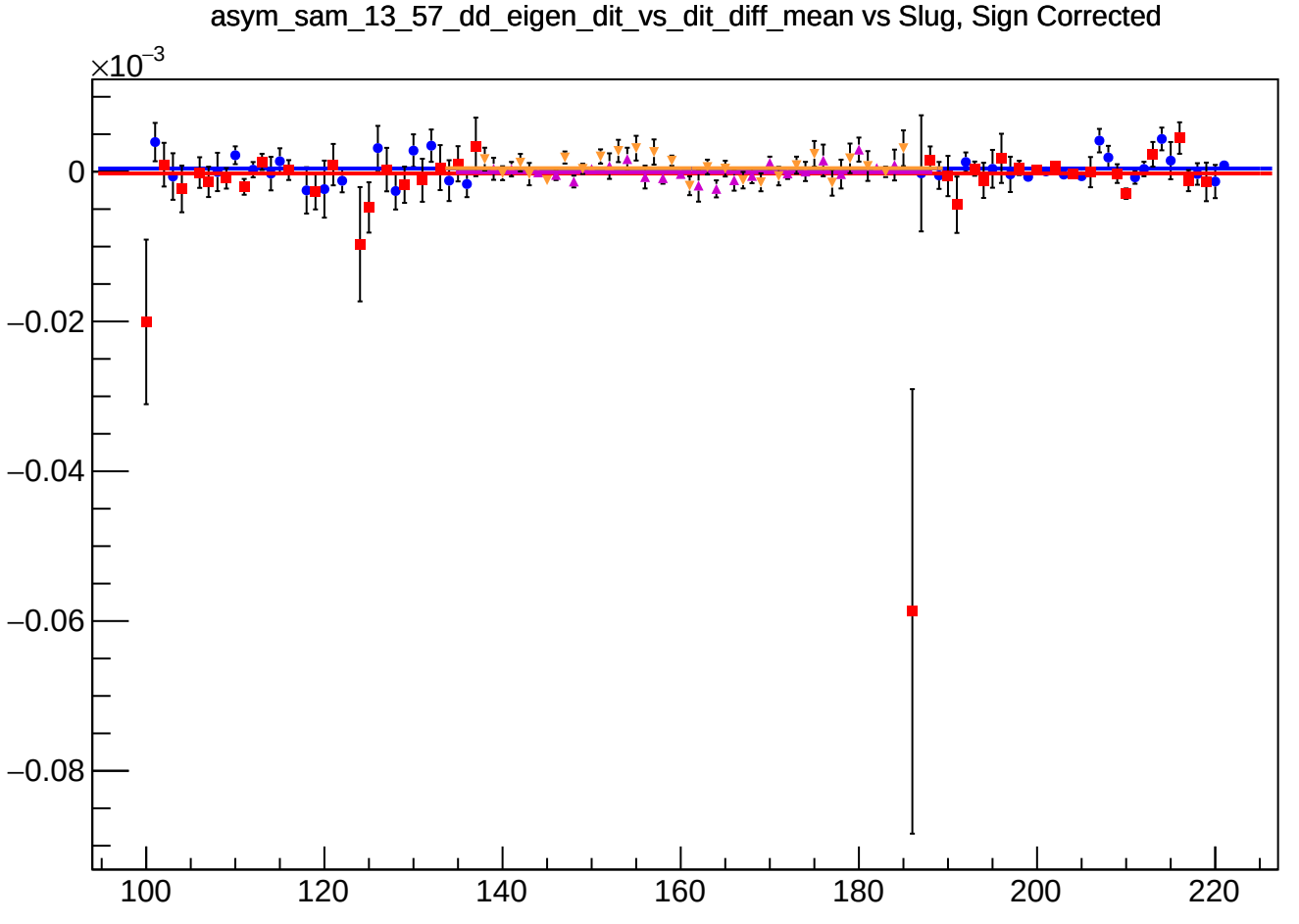
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.924+/-0.002 χ^2/NDF: 8769988.4/70

In: 20.457+/-0.002 χ^2/NDF:4763183.0/56

Out: 21.060+/-0.003 χ^2/NDF:6670658.6/61

All: 20.748+/-0.002 χ^2/NDF: 11463814.0/118



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: 50.2/36

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

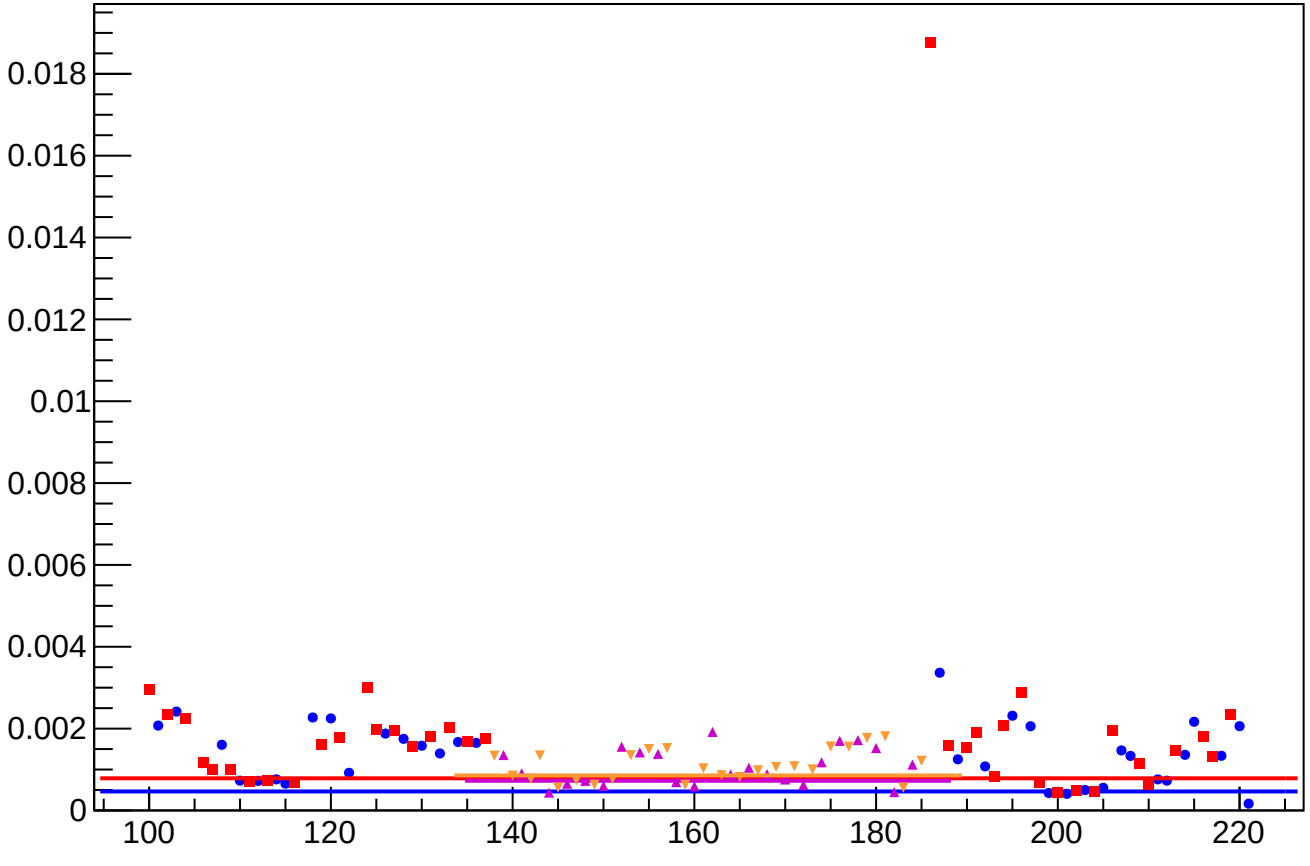
Right: 0.000+/-0.000 χ^2/NDF: 103.8/70

In: 0.000+/-0.000 χ^2/NDF:70.9/56

Out: 0.000+/-0.000 χ^2/NDF:92.5/61

All: 0.000+/-0.000 χ^2/NDF: 163.8/118

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.001+/-0.000 χ^2/NDF: 11740080.9/36

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

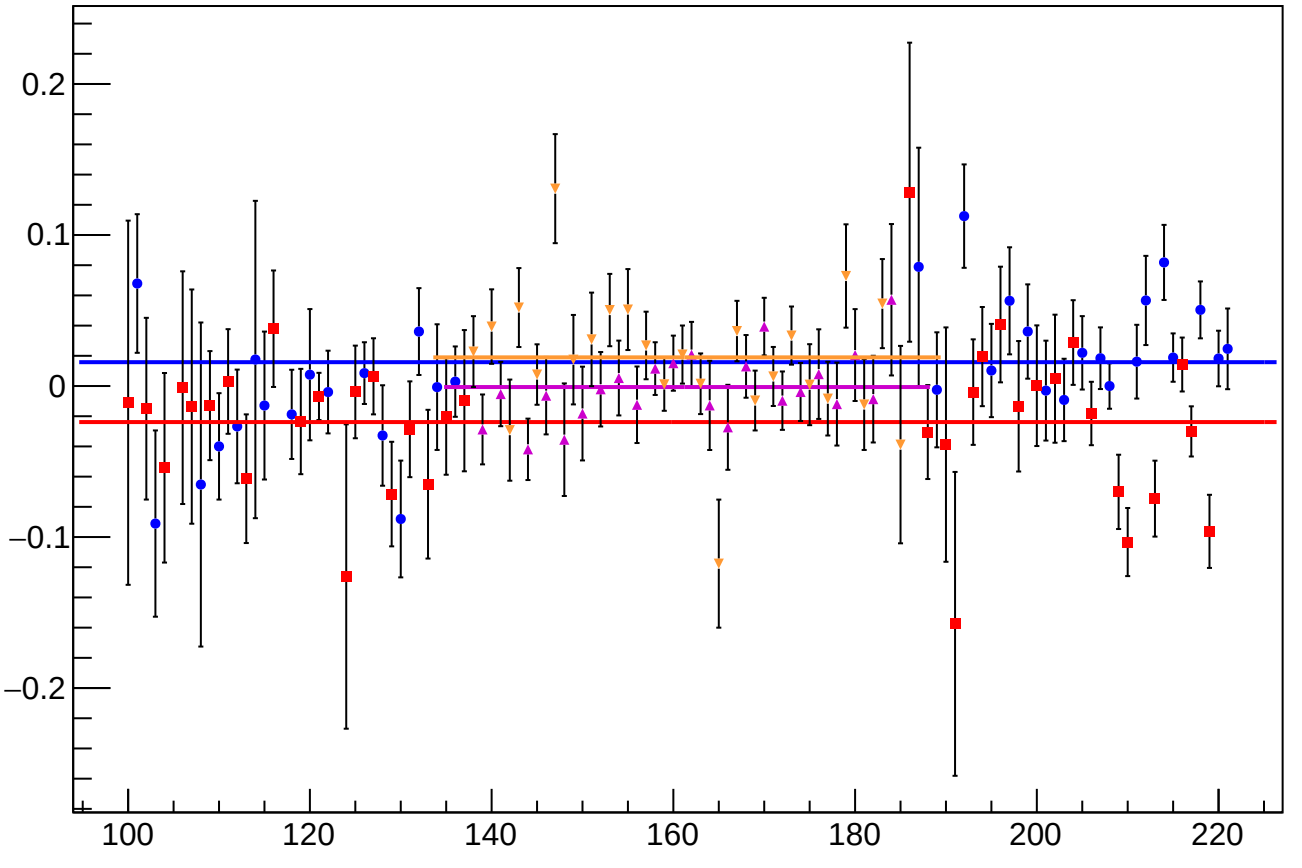
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 34331167.5/70

In: 0.001+/-0.000 χ^2/NDF:27620611.5/56

Out: 0.001+/-0.000 χ^2/NDF:16291940.0/61

All: 0.001+/-0.000 χ^2/NDF: 47773129.7/118



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: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

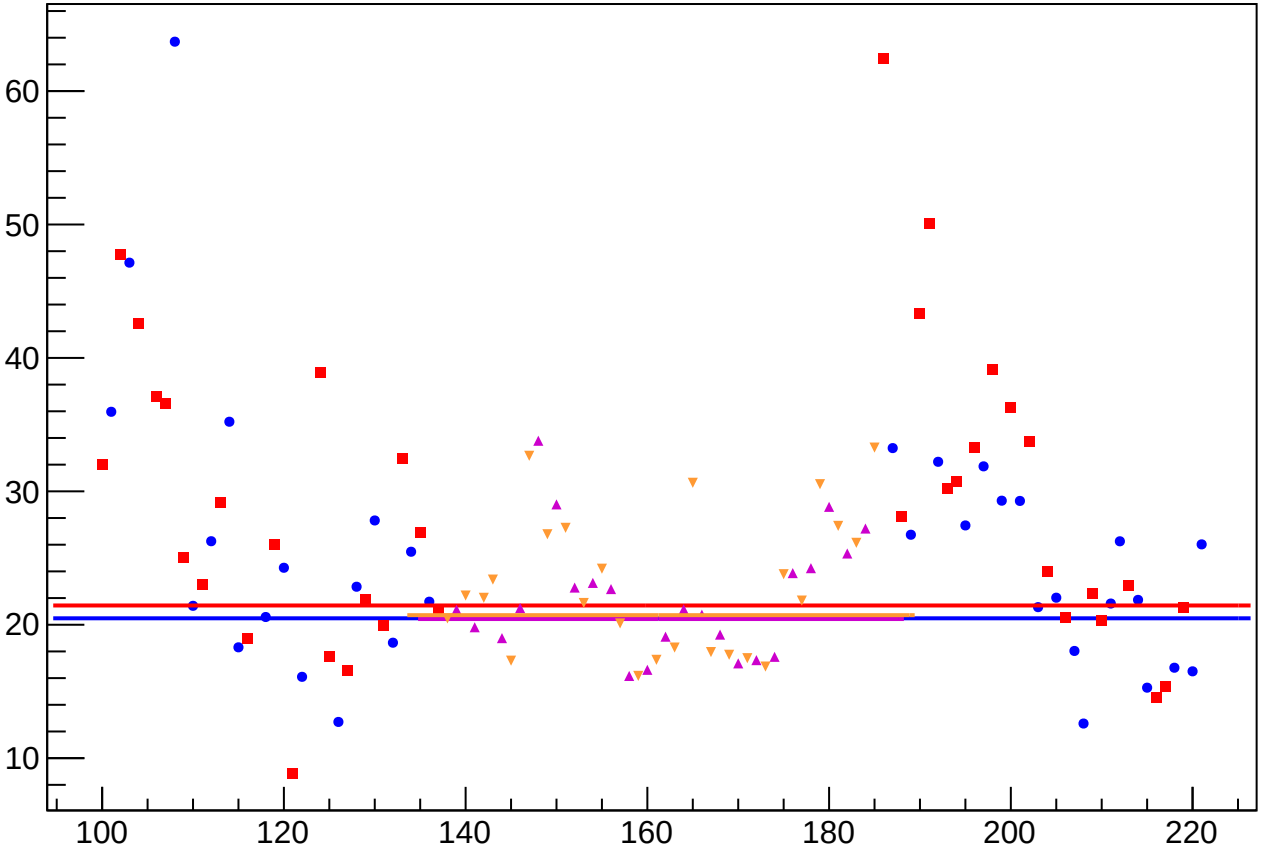
Right: -0.002+/-0.003 χ^2/NDF: 137.2/70

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 209.7/118

asym_sam_13_57_dd_eigen_dit_vs_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: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

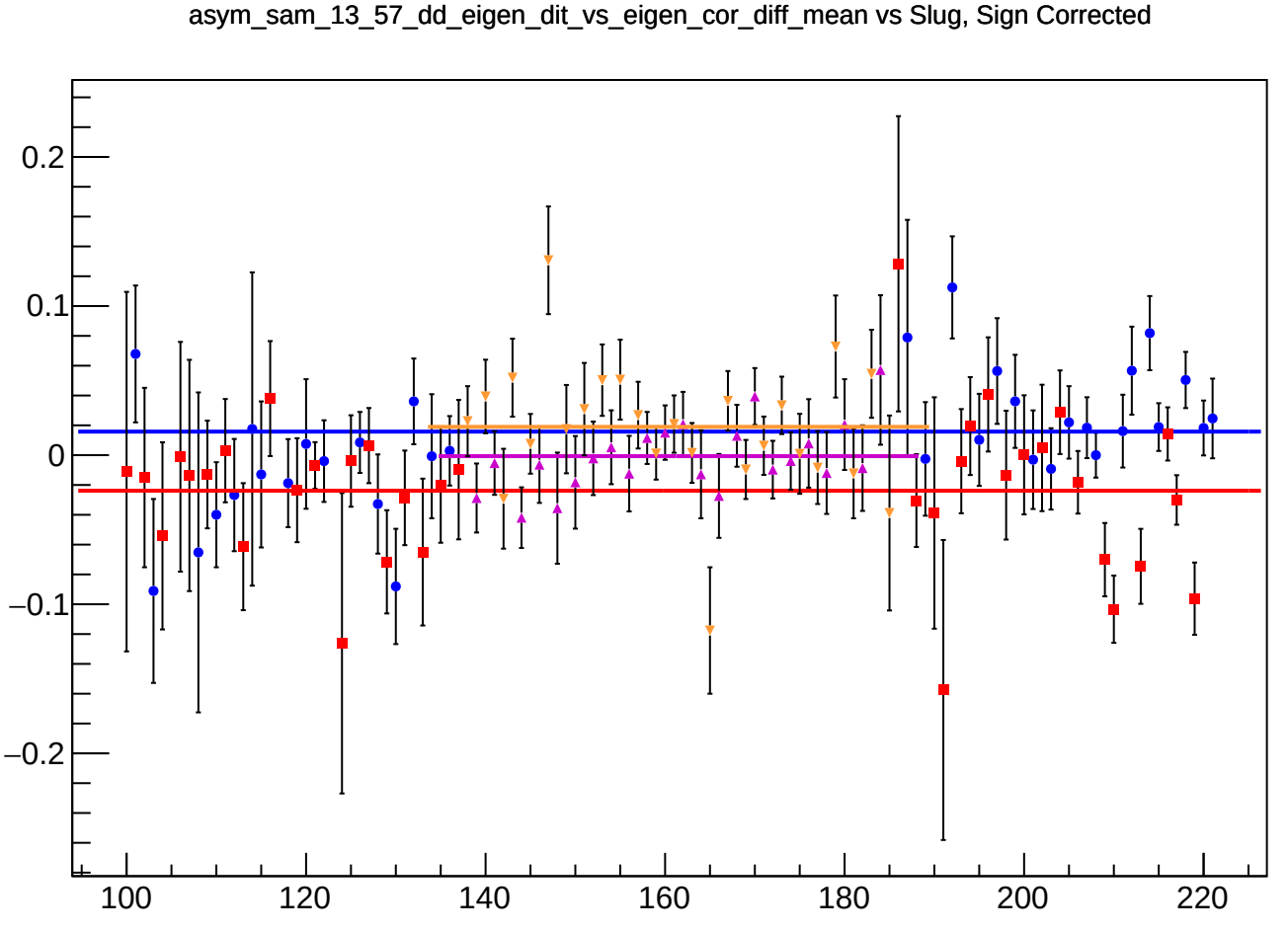
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 20.924+/-0.002 χ^2/NDF: 8769385.6/70

In: 20.457+/-0.002 χ^2/NDF:4763127.2/56

Out: 21.060+/-0.003 χ^2/NDF:6670268.3/61

All: 20.748+/-0.002 χ^2/NDF: 11463373.2/118



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: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

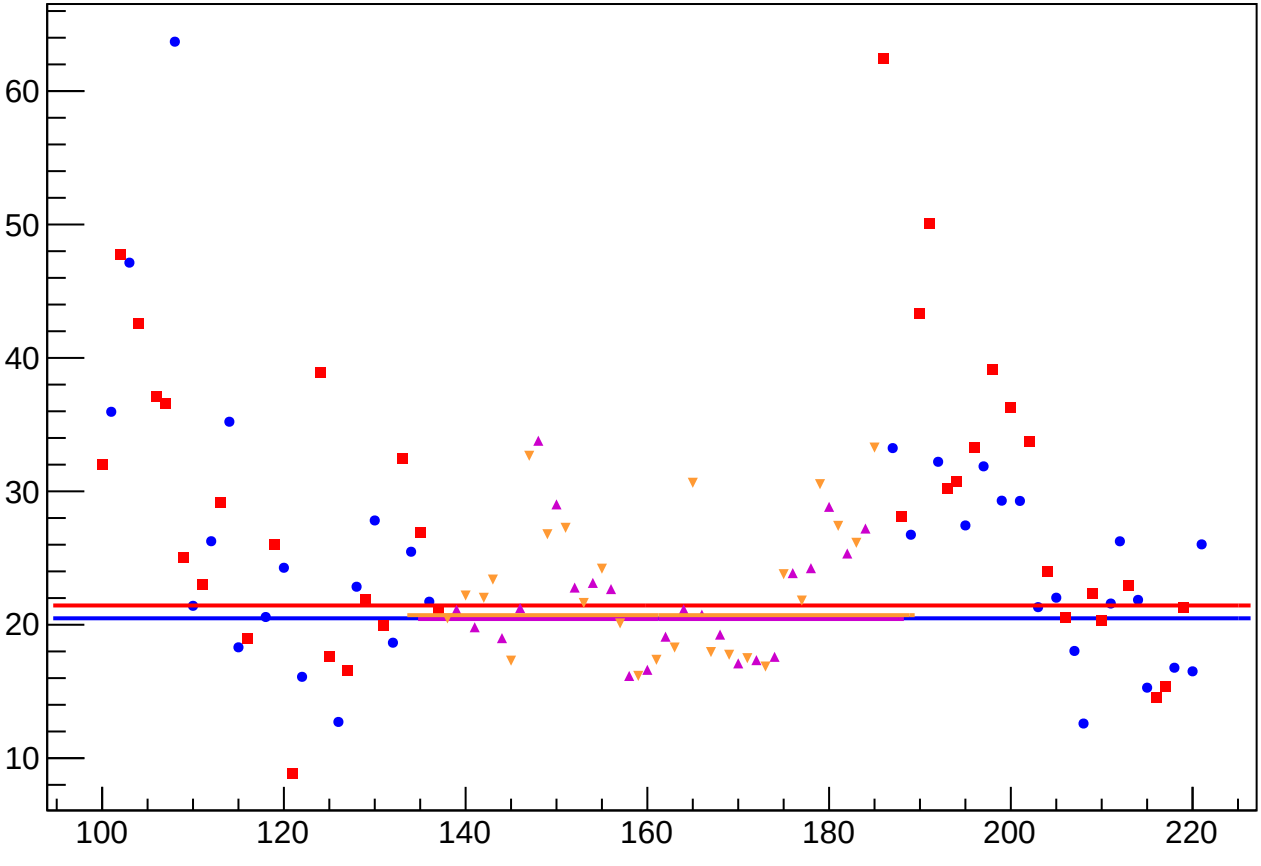
Right: -0.002+/-0.003 χ^2/NDF: 137.2/70

In: 0.008+/-0.003 χ^2/NDF:70.3/56

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 209.7/118

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: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

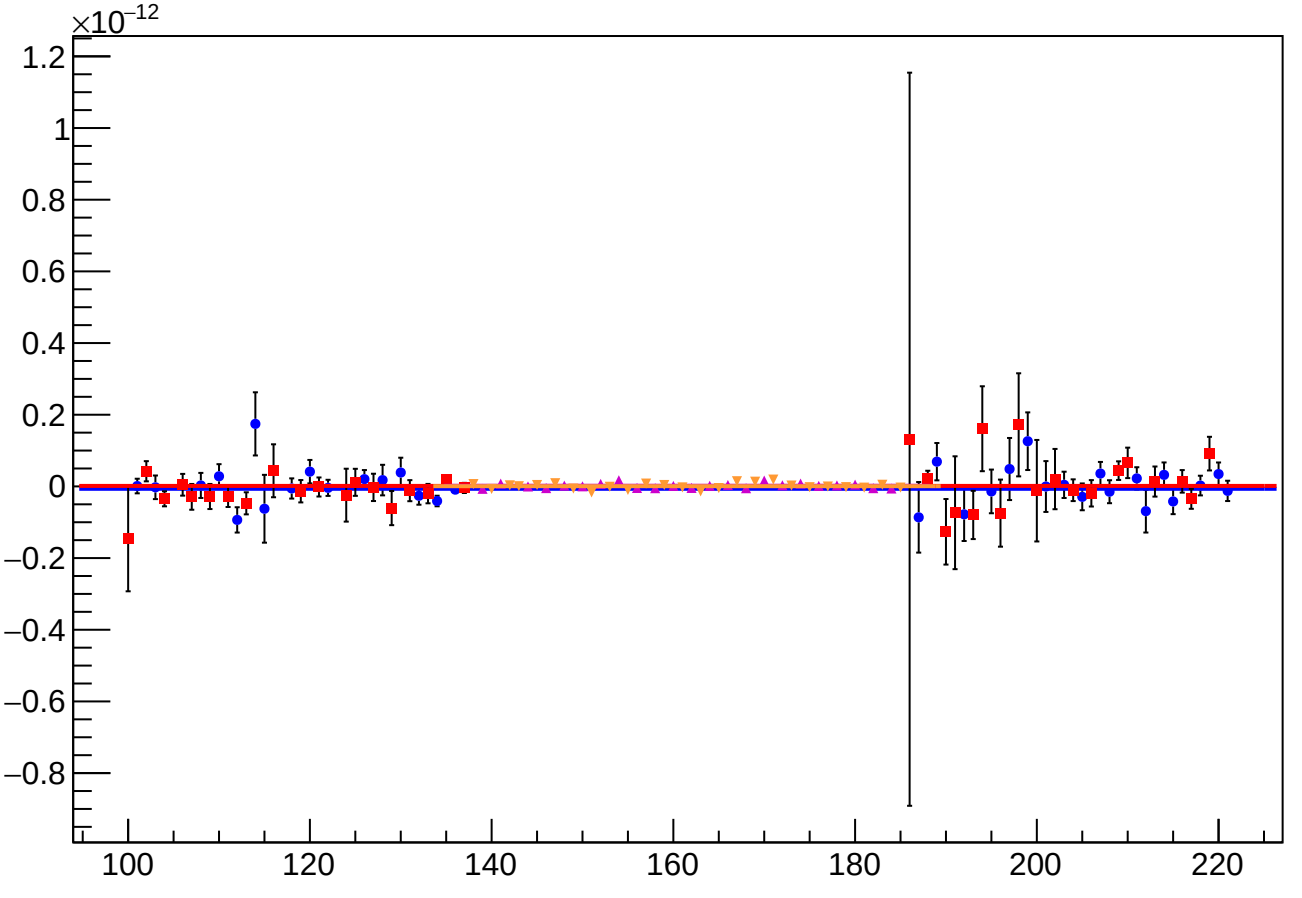
Right: 20.924+/-0.002 χ^2/NDF: 8769385.6/70

In: 20.457+/-0.002 χ^2/NDF:4763127.2/56

Out: 21.060+/-0.003 χ^2/NDF:6670268.3/61

All: 20.748+/-0.002 χ^2/NDF: 11463373.2/118

asym_sam_13_57_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:29.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

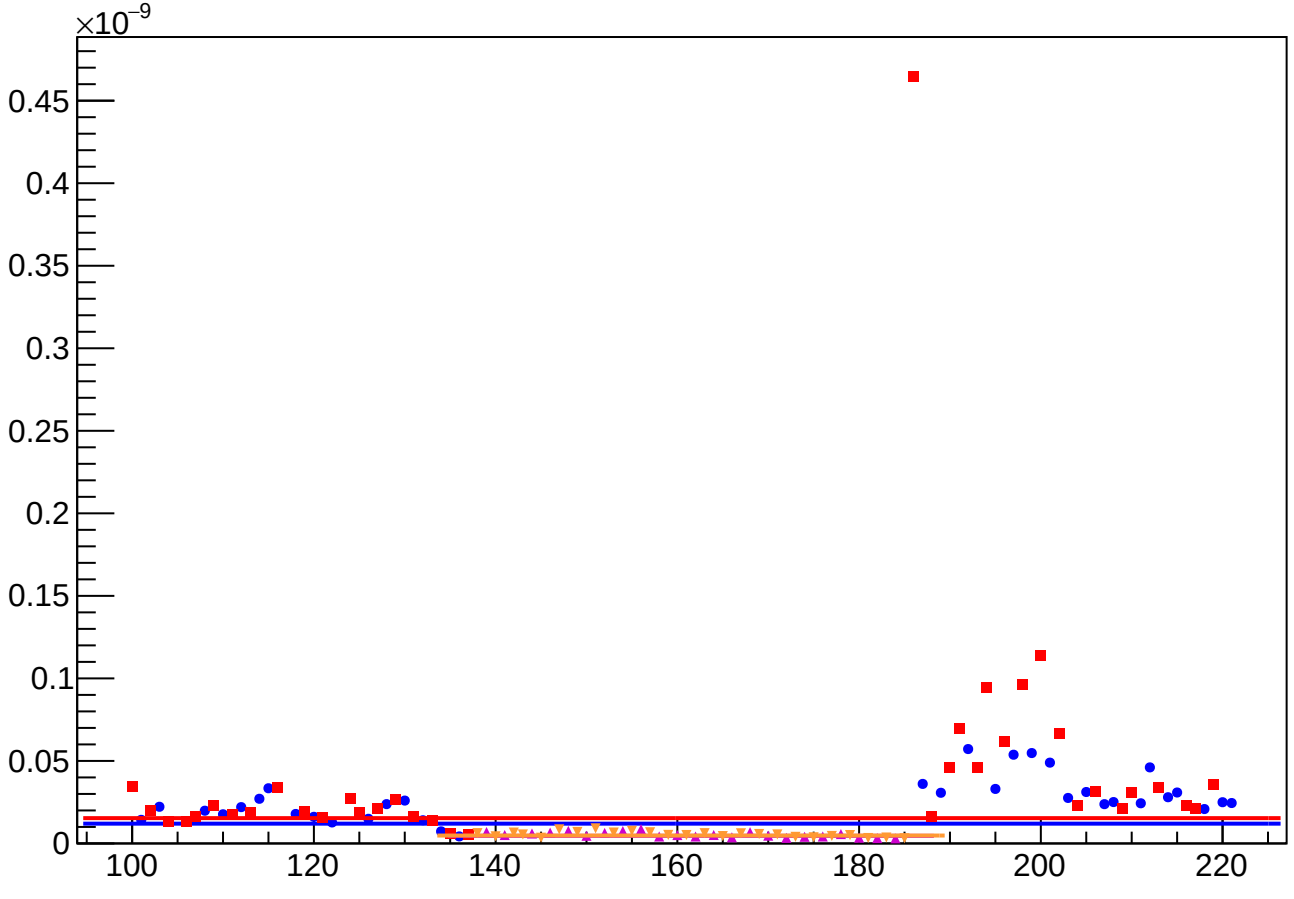
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 76.2/70

In: 0.000+/-0.000 χ^2/NDF:62.3/56

Out: 0.000+/-0.000 χ^2/NDF:65.7/61

All: 0.000+/-0.000 χ^2/NDF: 128.0/118



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: 10320674.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

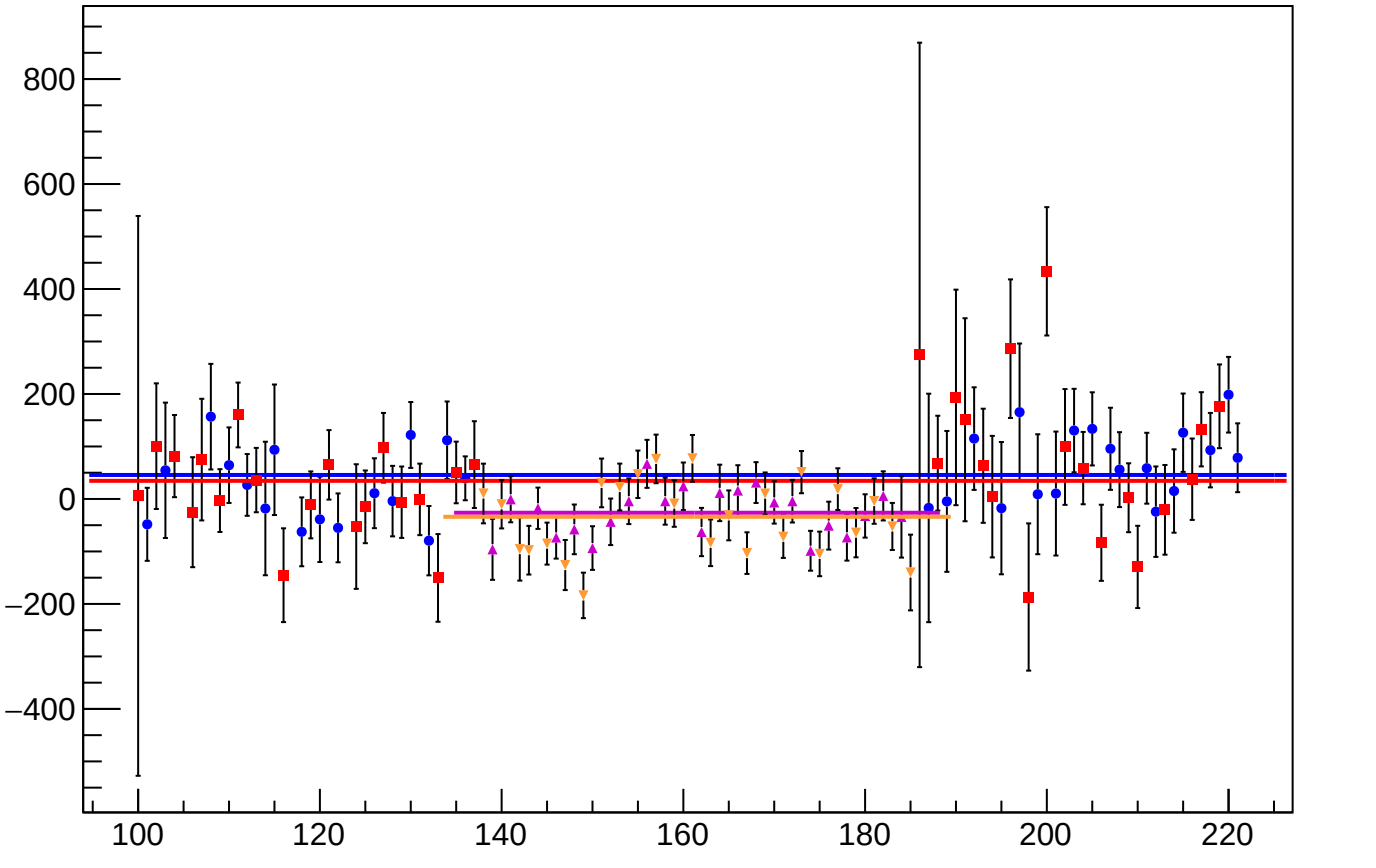
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 23235698.3/70

In: 0.000+/-0.000 χ^2/NDF:20266360.6/56

Out: 0.000+/-0.000 χ^2/NDF:20915998.3/61

All: 0.000+/-0.000 χ^2/NDF: 41198889.8/118


reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
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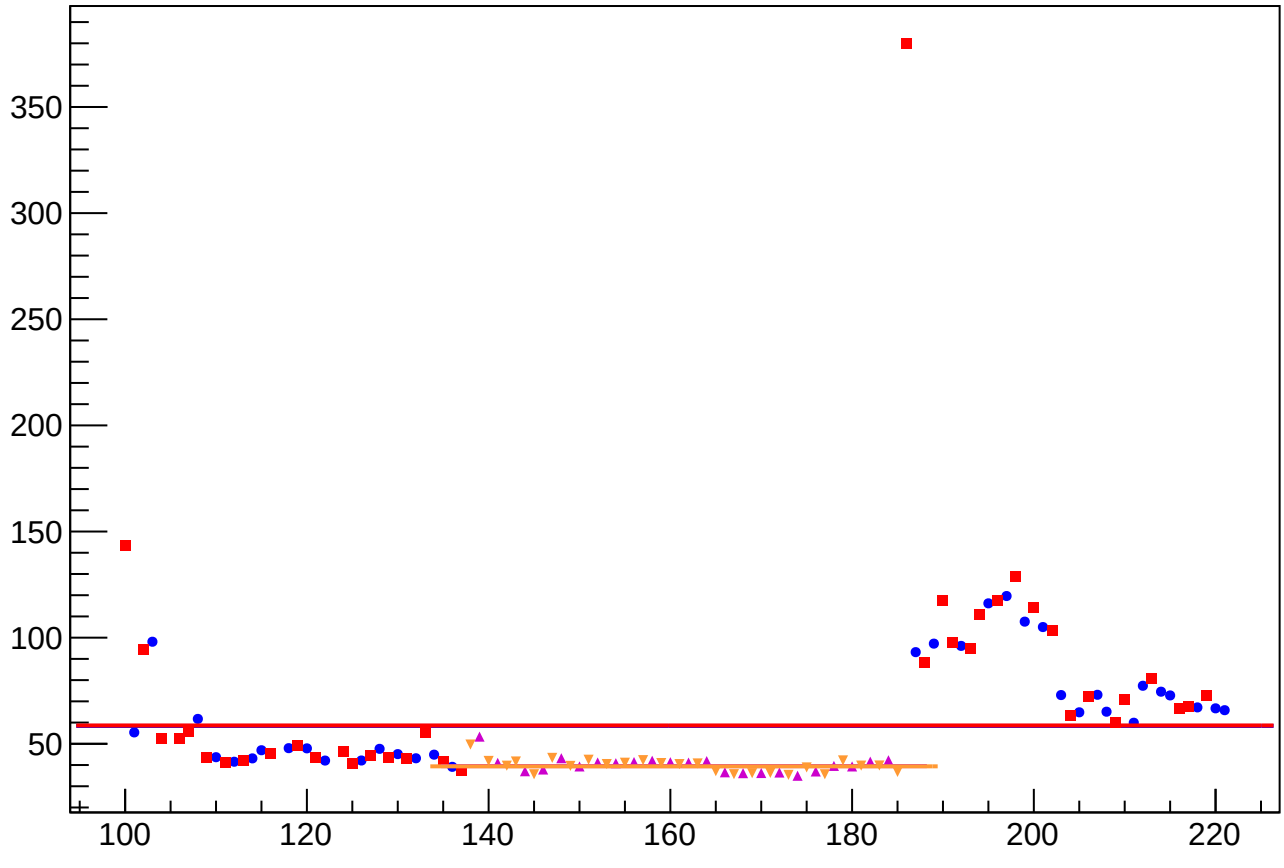
−200
−400
100
120
140
160
180
200
220
Right In: 45.721+/-13.168 χ²/NDF: 28.9/33
Left Out: -33.956+/-8.993 χ²/NDF:58.7/24
Right Out: 34.568+/-13.639 χ²/NDF: 49.6/36
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 40.341+/-9.473 χ²/NDF: 78.8/70
In: -2.406+/-7.581 χ²/NDF:71.3/56
Out: -13.191+/-7.508 χ²/NDF:125.9/61
All: -7.851+/-5.335 χ²/NDF: 198.2/118



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: 58.632+/-0.010 χ^2/NDF: 5322235.3/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

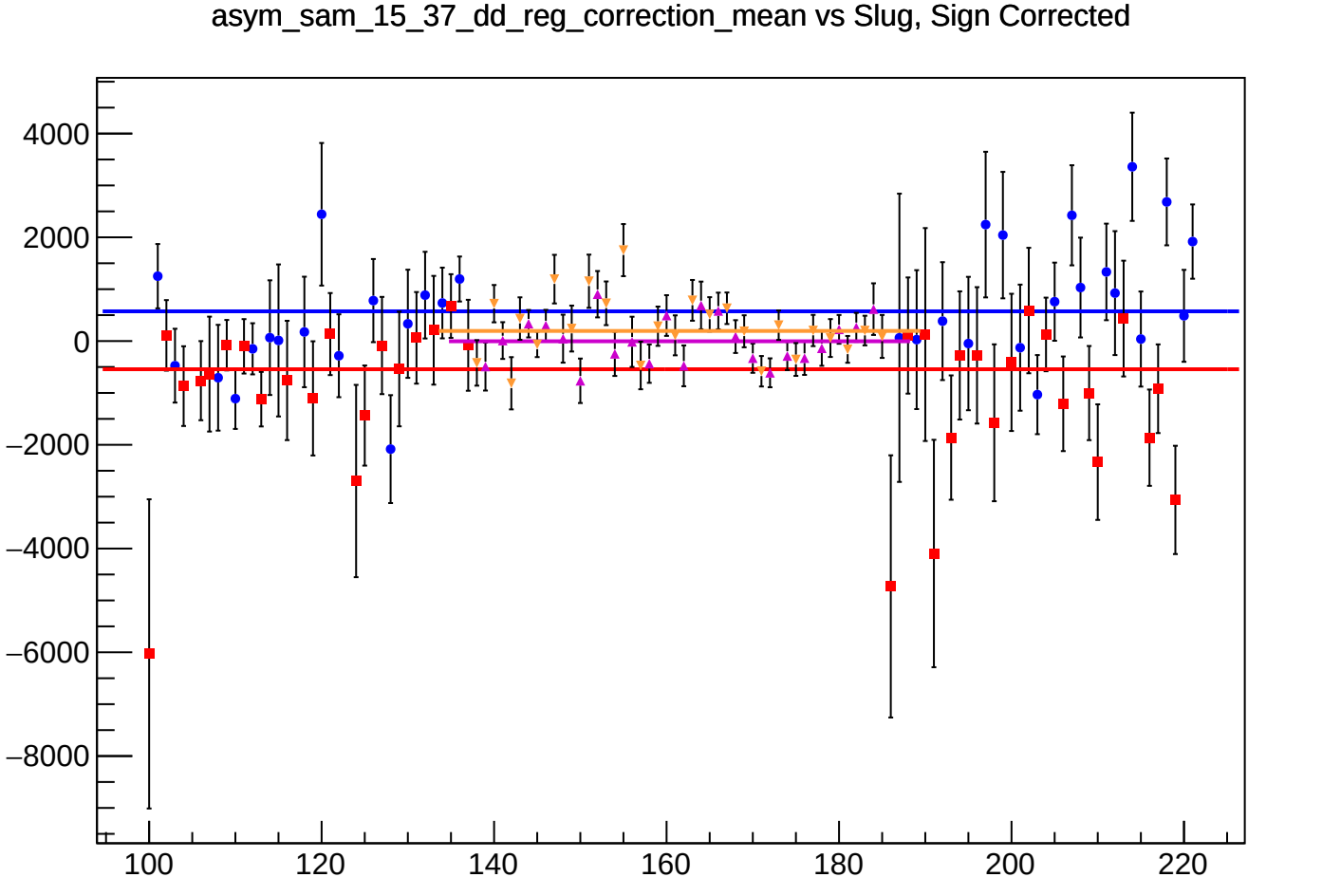
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.520+/-0.007 χ^2/NDF: 9442957.0/70

In: 45.763+/-0.005 χ^2/NDF:7134101.9/56

Out: 45.216+/-0.005 χ^2/NDF:8327608.3/61

All: 45.487+/-0.004 χ^2/NDF: 15466978.3/118



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: -543.055+/-148.885 χ^2/NDF: 37.6/36

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

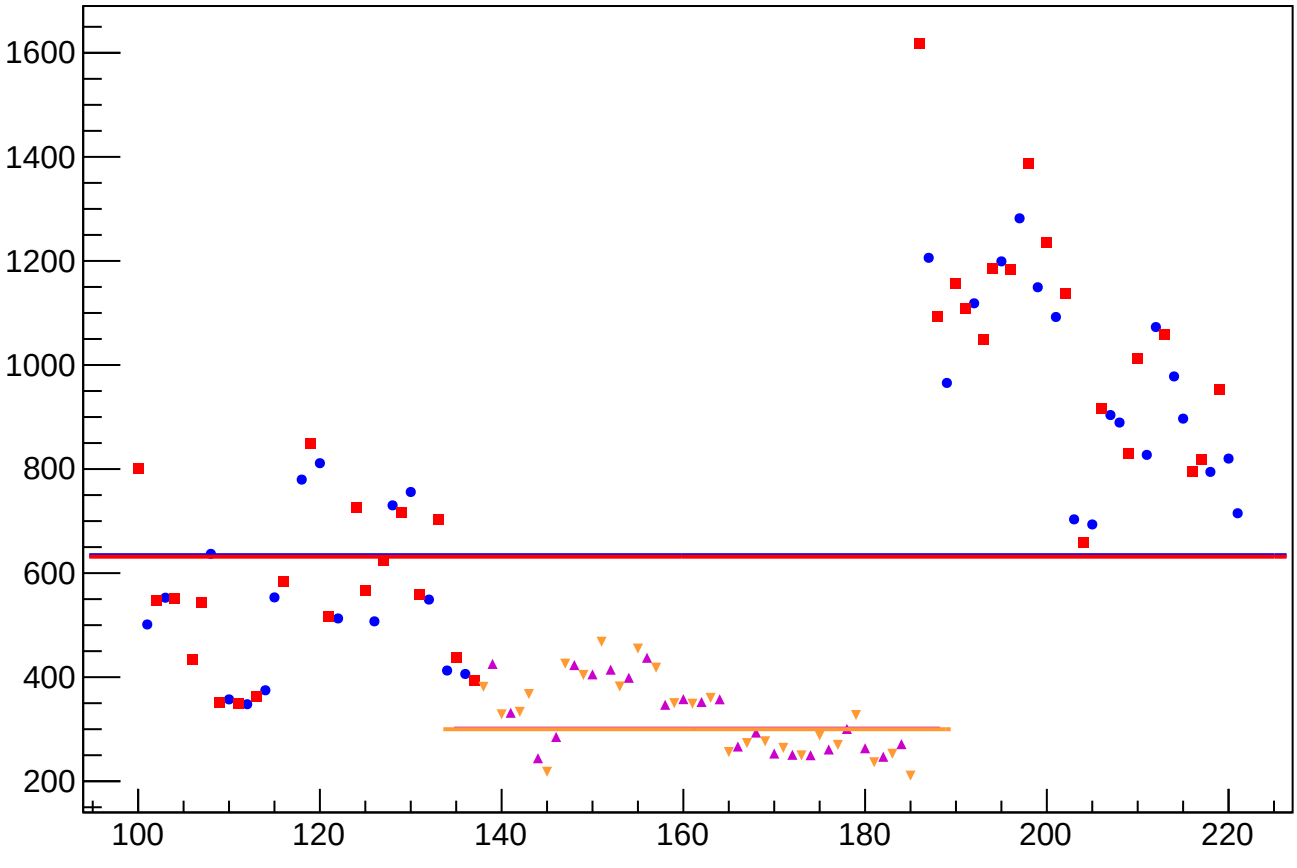
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 28.604+/-104.009 χ^2/NDF: 124.4/70

In: 109.716+/-64.505 χ^2/NDF:103.0/56

Out: 61.120+/-63.416 χ^2/NDF:106.3/61

All: 85.004+/-45.222 χ^2/NDF: 209.6/118



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: 631.584+/-0.105 χ^2/NDF: 6788872.5/36

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

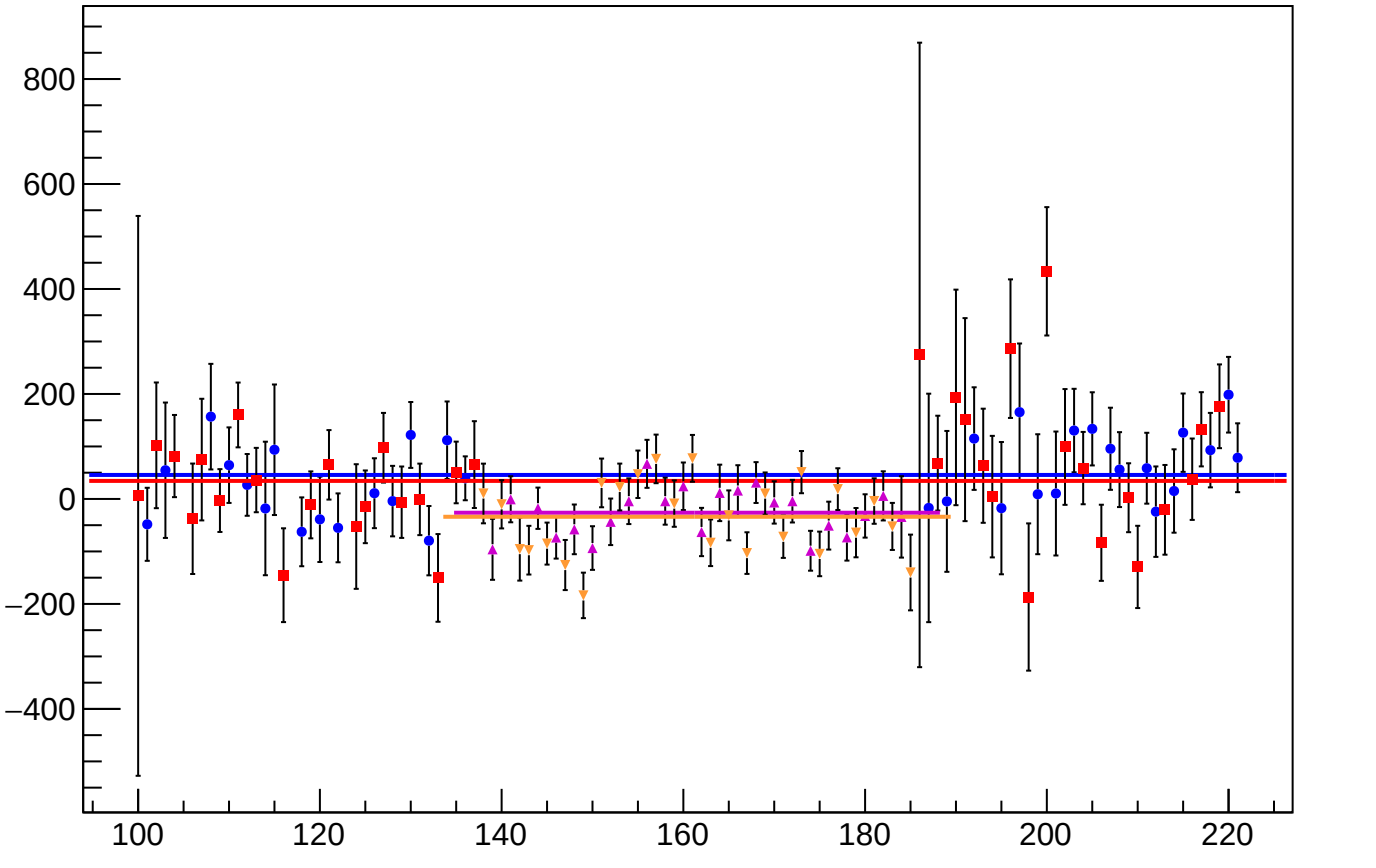
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

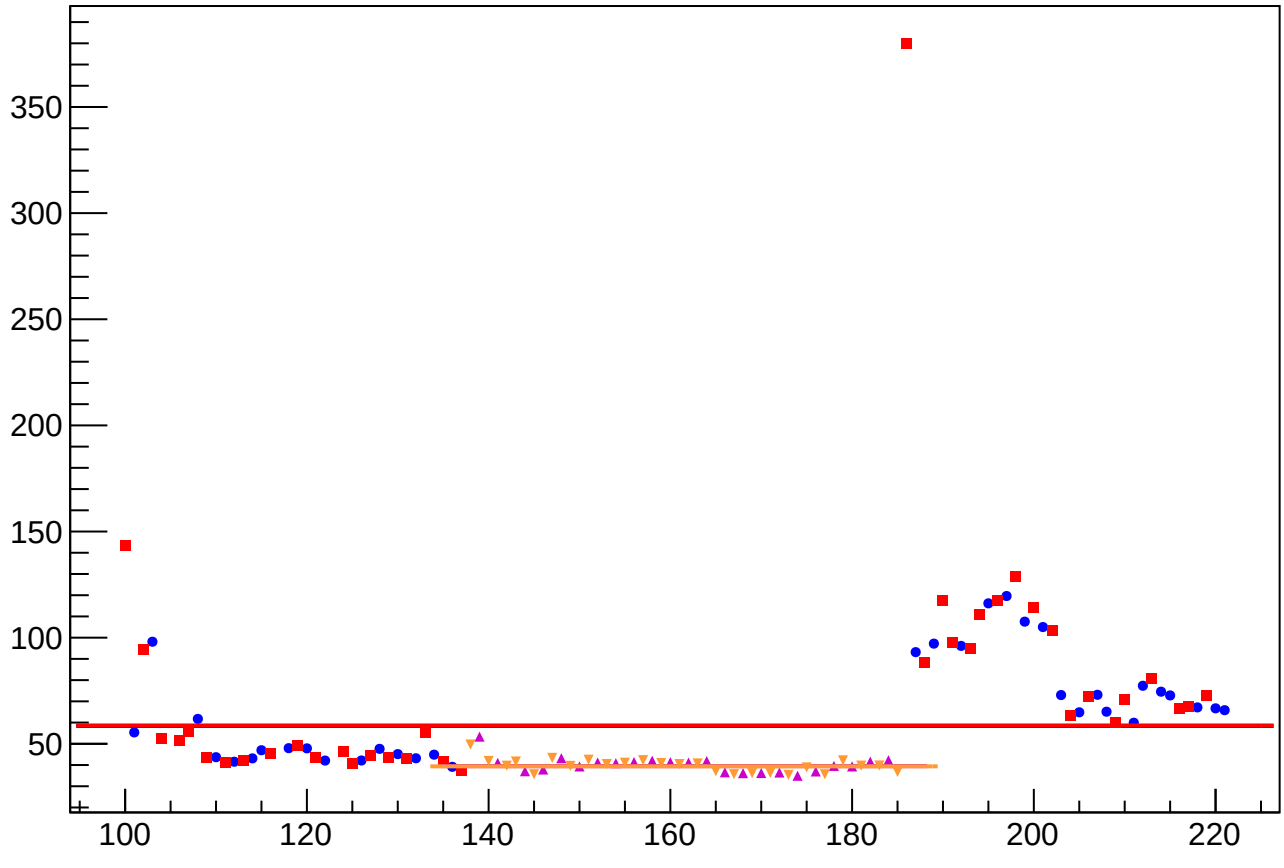
Right: 633.062+/-0.074 χ^2/NDF: 12416827.0/70

In: 366.668+/-0.046 χ^2/NDF:15487773.7/56

Out: 360.139+/-0.045 χ^2/NDF:16718804.5/61

All: 363.348+/-0.032 χ^2/NDF: 32216997.9/11


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: 34.386+/-13.640 χ²/NDF: 49.7/36
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 40.255+/-9.474 χ²/NDF: 78.9/70
In: -2.405+/-7.581 χ²/NDF:71.3/56
Out: -13.248+/-7.508 χ²/NDF:125.9/61
All: -7.879+/-5.335 χ²/NDF: 198.3/118



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: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

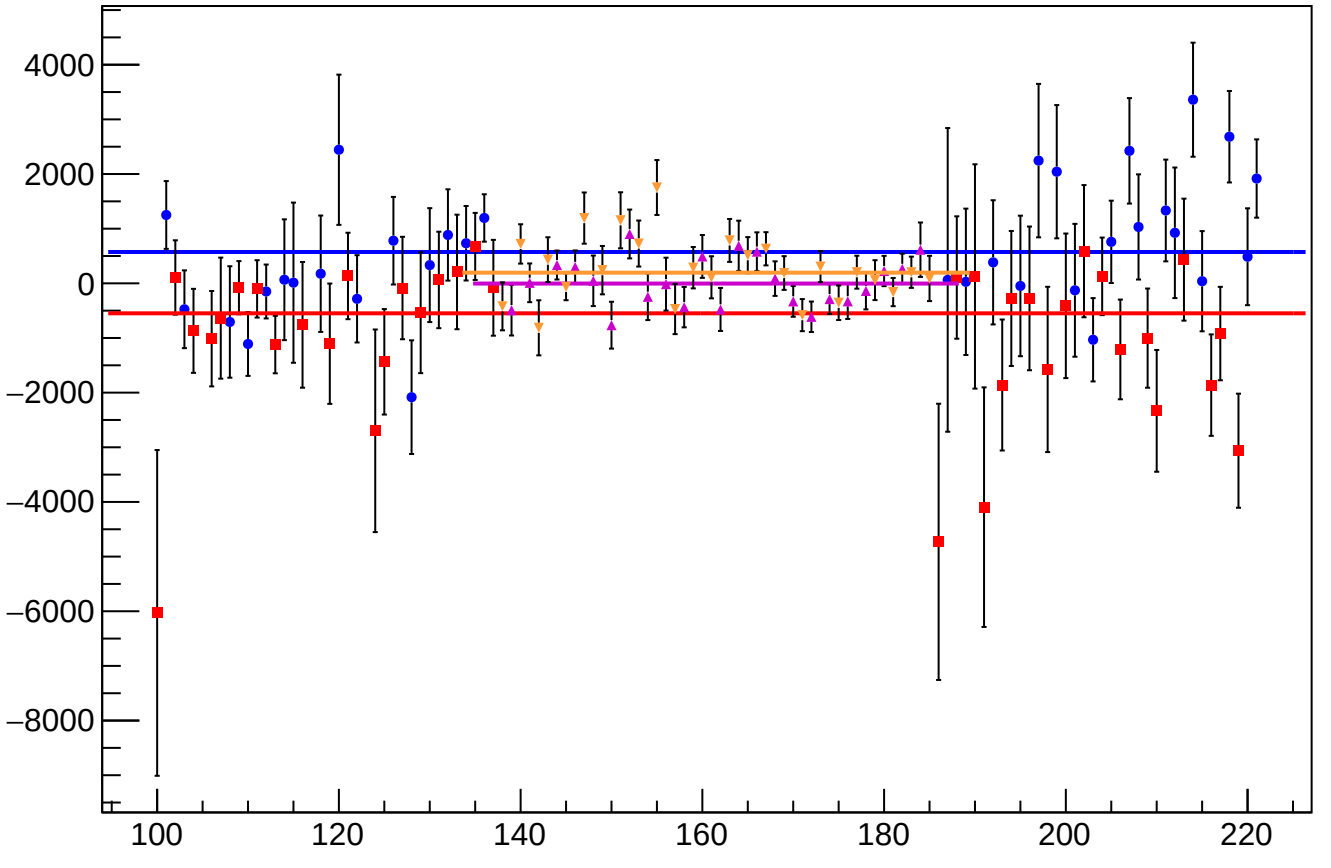
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.514+/-0.007 χ^2/NDF: 9445022.0/70

In: 45.763+/-0.005 χ^2/NDF:7134104.9/56

Out: 45.211+/-0.005 χ^2/NDF:8325723.4/61

All: 45.485+/-0.004 χ^2/NDF: 15465183.3/118



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: -548.571+/-149.566 χ^2/NDF: 37.8/36

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

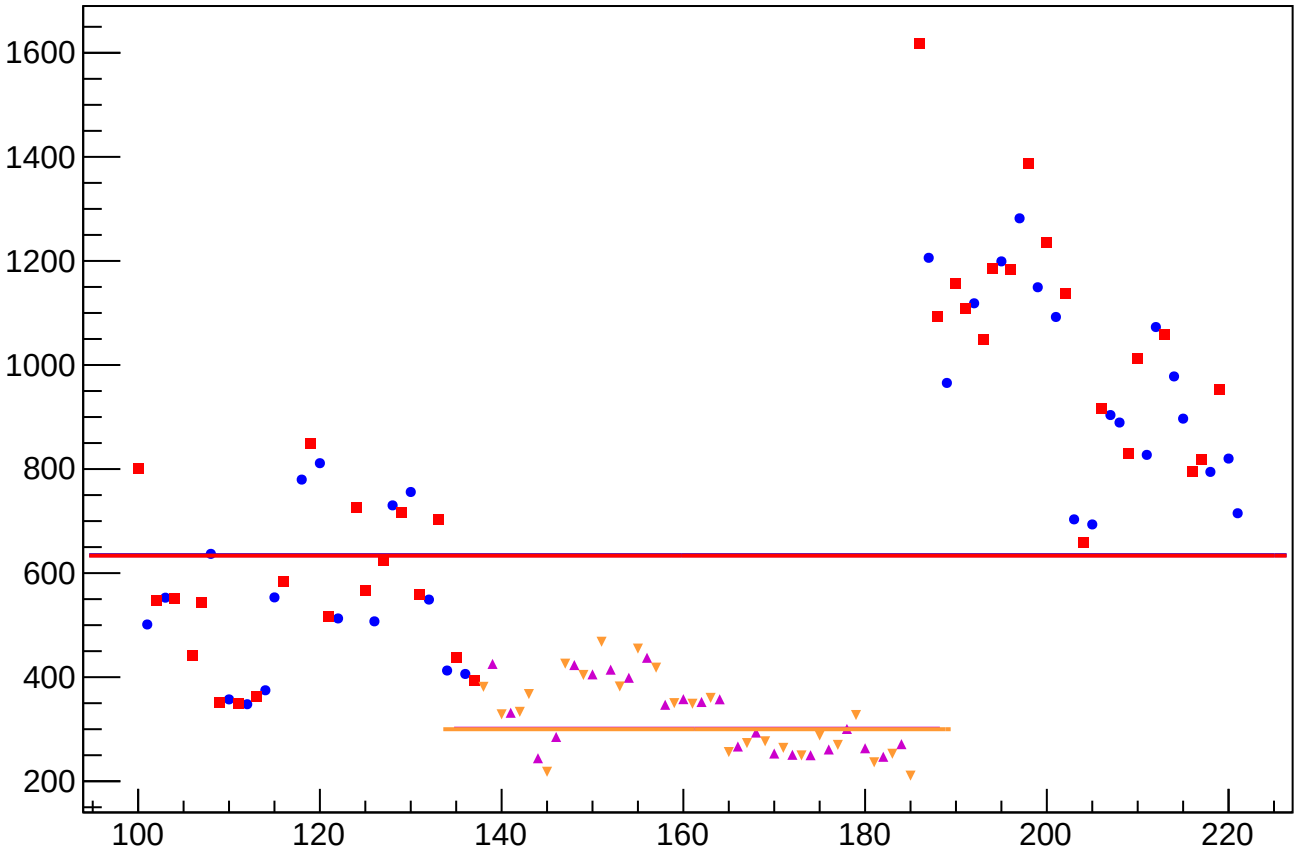
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 28.470+/-104.240 χ^2/NDF: 124.7/70

In: 109.716+/-64.505 χ^2/NDF:103.0/56

Out: 61.123+/-63.469 χ^2/NDF:106.7/61

All: 85.026+/-45.241 χ^2/NDF: 210.0/118



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: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

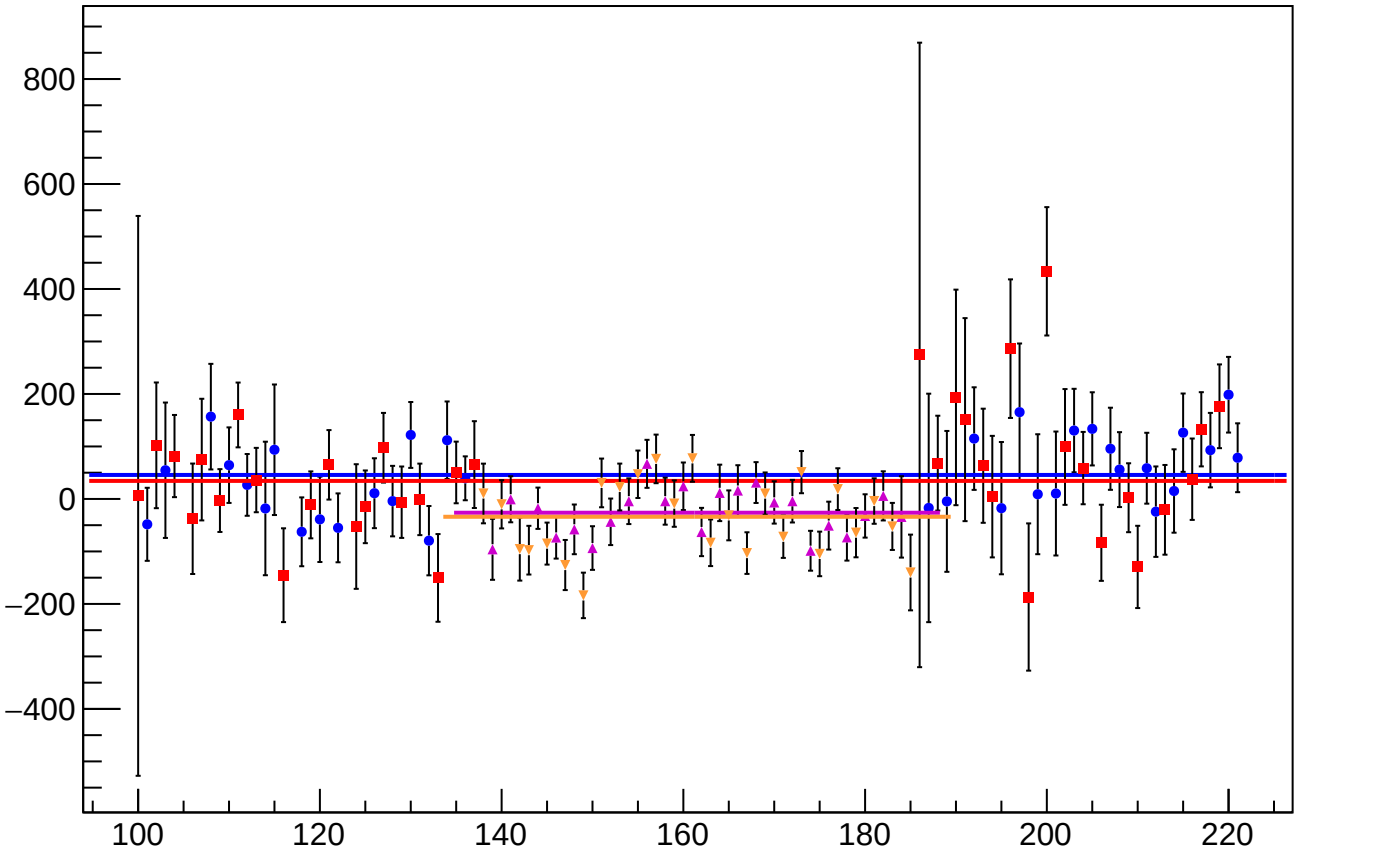
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

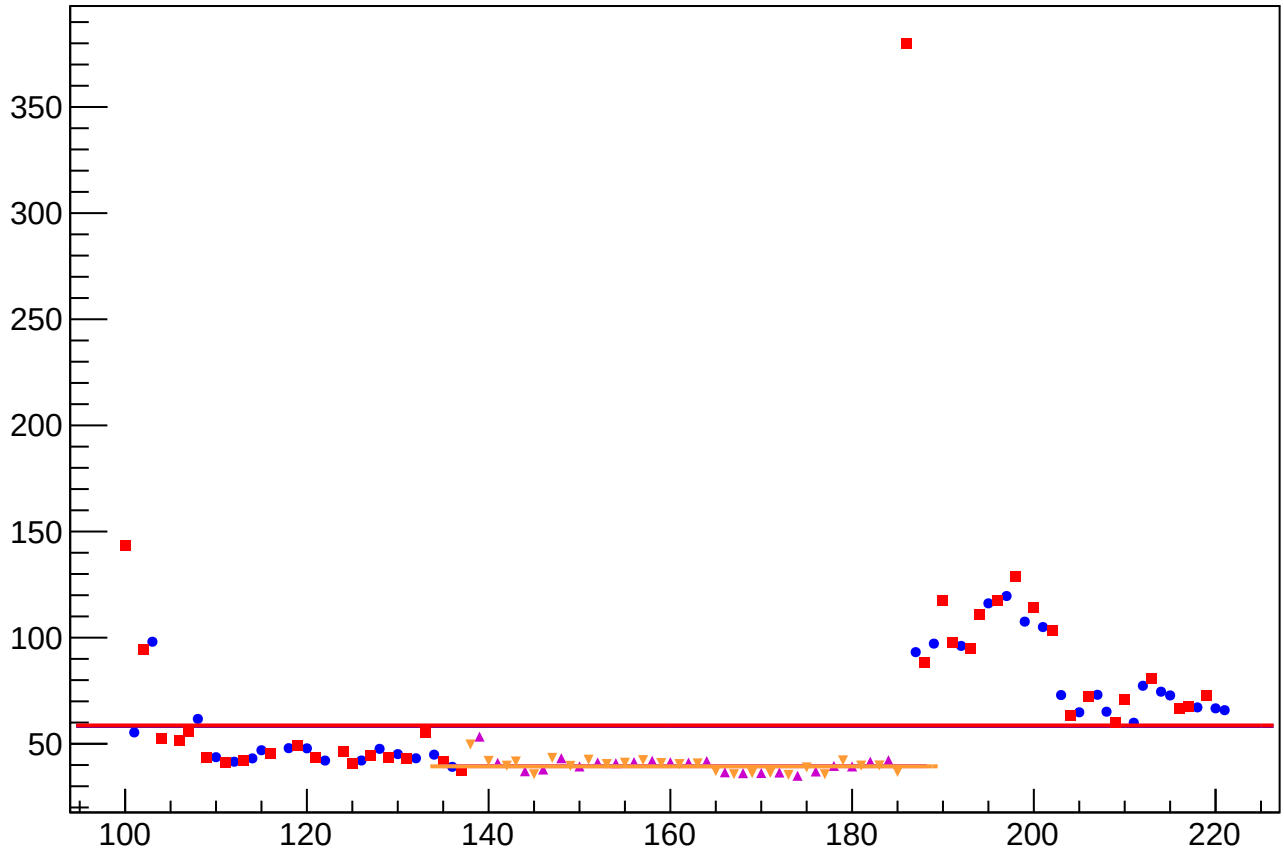
Right: 634.058+/-0.074 χ^2/NDF: 12376618.0/70

In: 366.668+/-0.046 χ^2/NDF:15487836.3/56

Out: 360.058+/-0.045 χ^2/NDF:16717735.3/61

All: 363.309+/-0.032 χ^2/NDF: 32216244.2/11


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: 34.386+/-13.640 χ²/NDF: 49.7/36
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 40.255+/-9.474 χ²/NDF: 78.9/70
In: -2.405+/-7.581 χ²/NDF:71.3/56
Out: -13.248+/-7.508 χ²/NDF:125.9/61
All: -7.879+/-5.335 χ²/NDF: 198.3/118



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: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

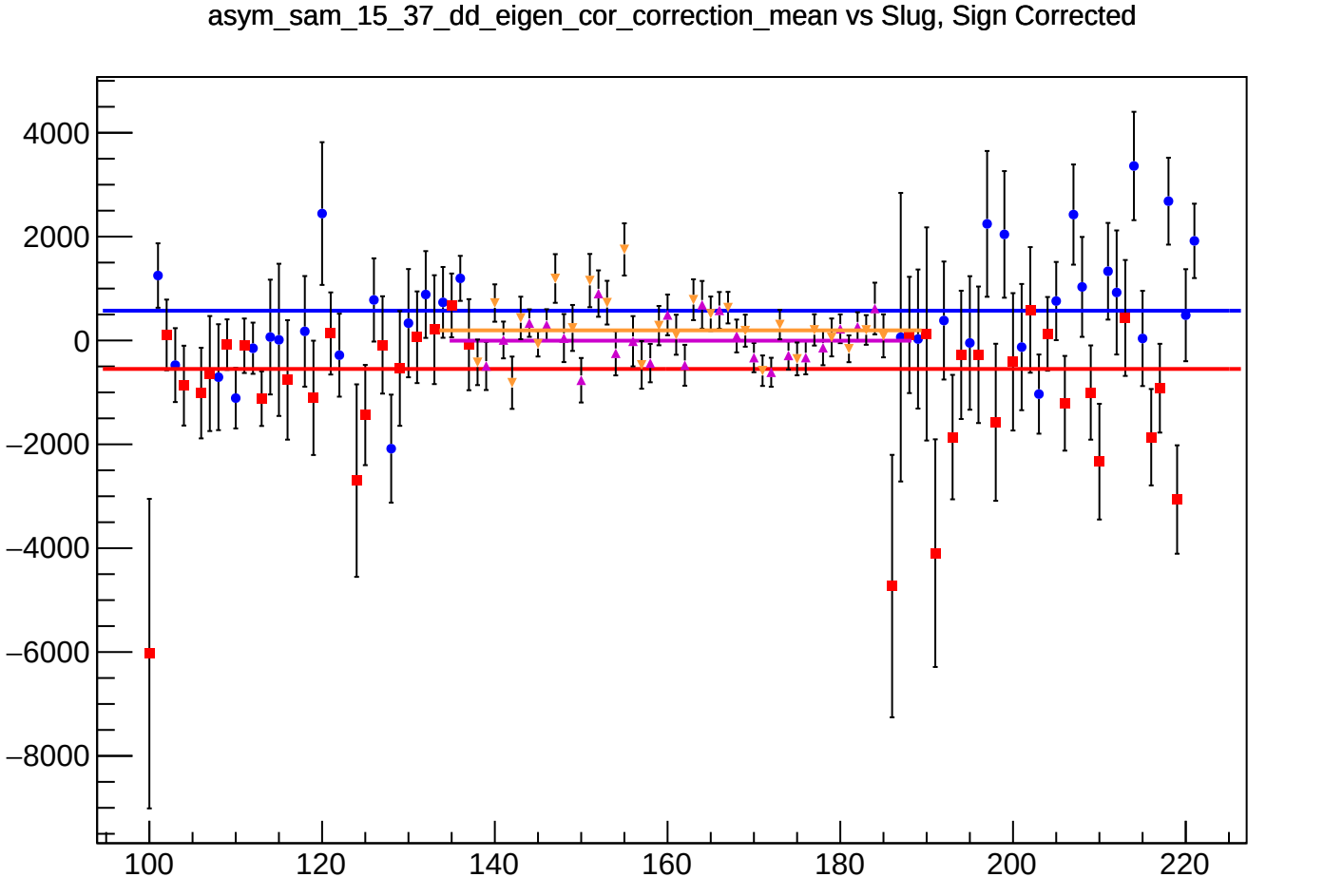
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.514+/-0.007 χ^2/NDF: 9445022.0/70

In: 45.763+/-0.005 χ^2/NDF:7134104.9/56

Out: 45.211+/-0.005 χ^2/NDF:8325723.4/61

All: 45.485+/-0.004 χ^2/NDF: 15465183.3/118



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: -548.571+/-149.566 χ^2/NDF: 37.8/36

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

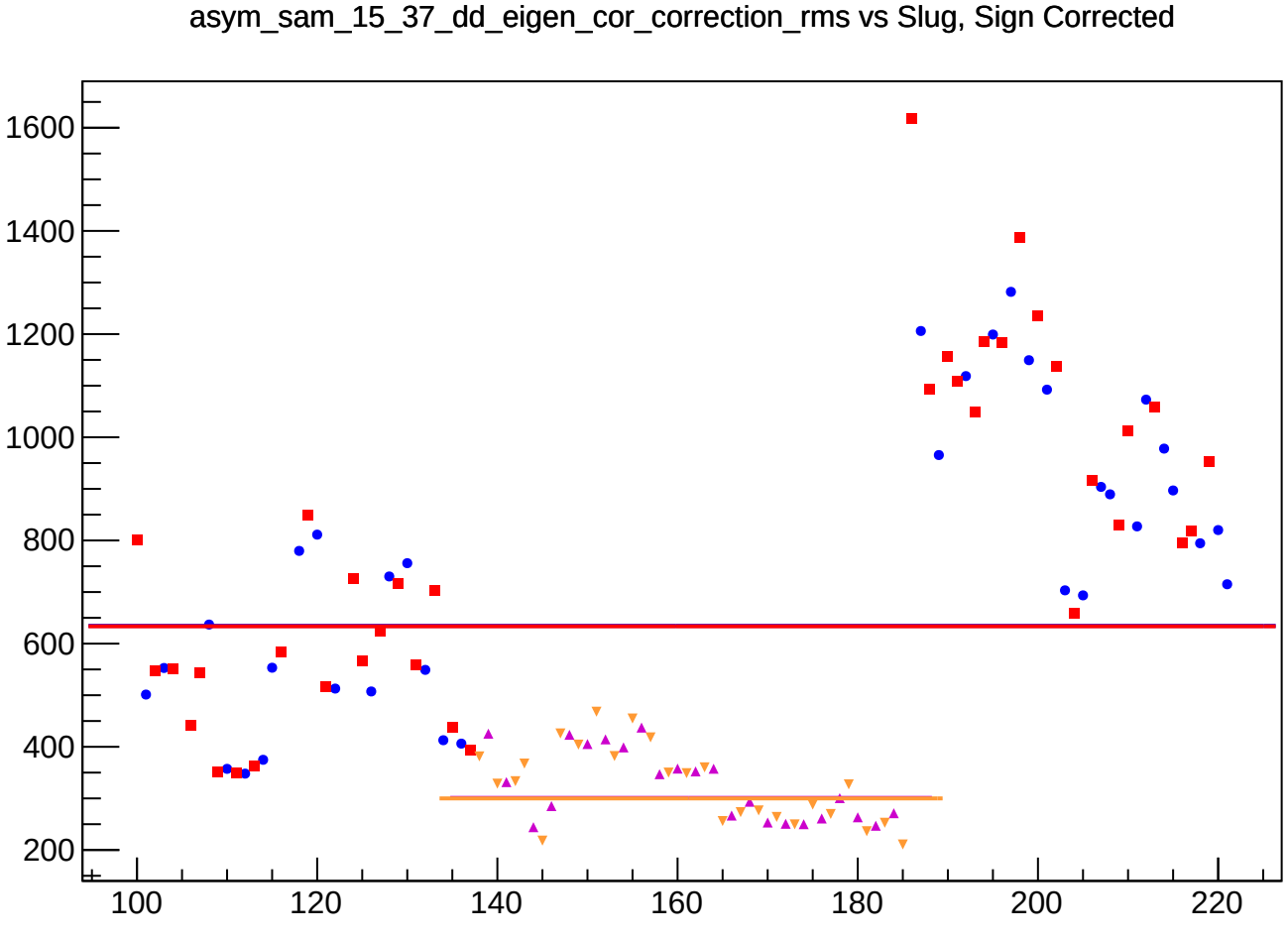
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 28.470+/-104.240 χ^2/NDF: 124.7/70

In: 109.716+/-64.505 χ^2/NDF:103.0/56

Out: 61.123+/-63.469 χ^2/NDF:106.7/61

All: 85.026+/-45.241 χ^2/NDF: 210.0/118



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: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

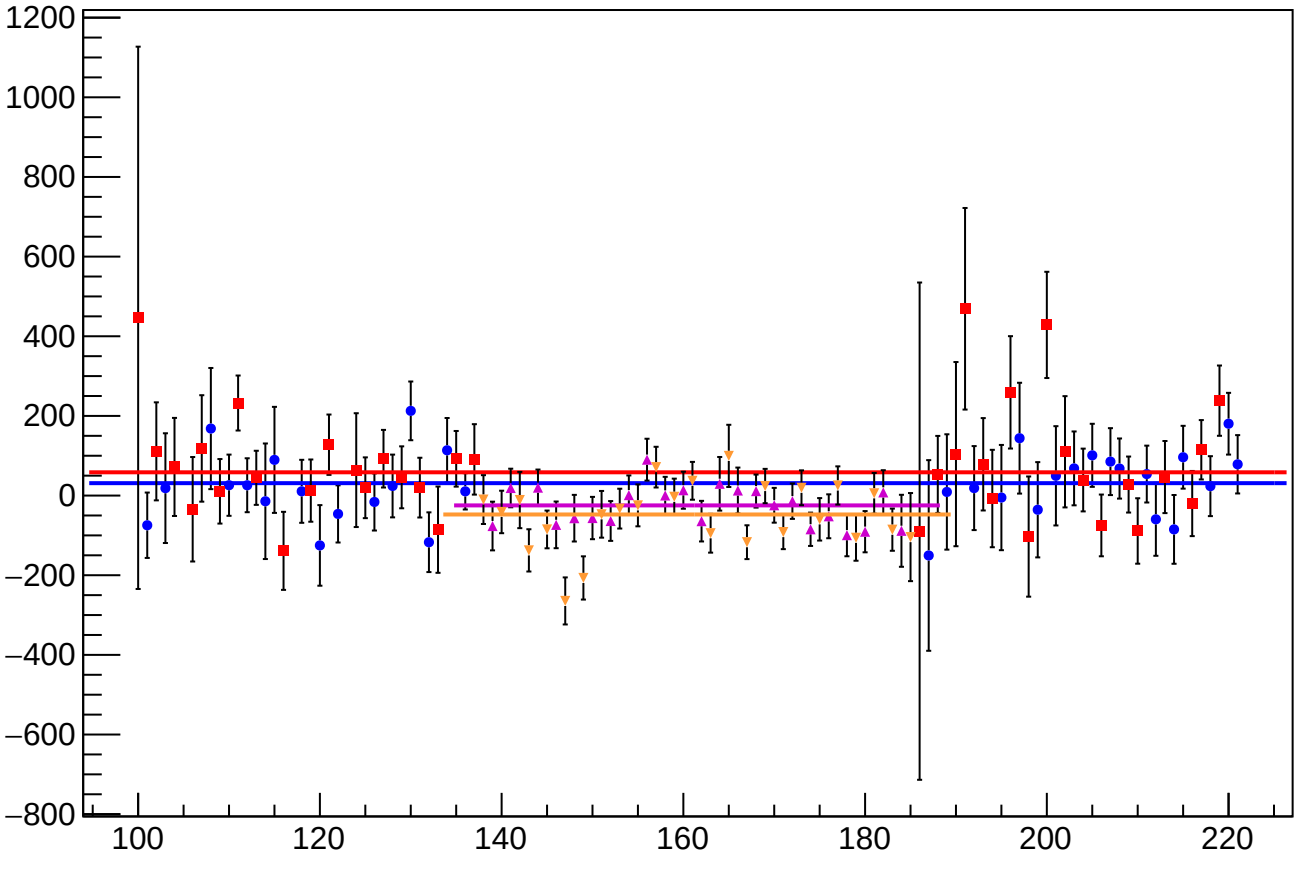
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 634.058+/-0.074 χ^2/NDF: 12376618.0/70

In: 366.668+/-0.046 χ^2/NDF:15487836.3/56

Out: 360.058+/-0.045 χ^2/NDF:16717735.3/61

All: 363.309+/-0.032 χ^2/NDF: 32216244.2/11



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: 58.420+/-15.454 χ^2/NDF: 42.3/36

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

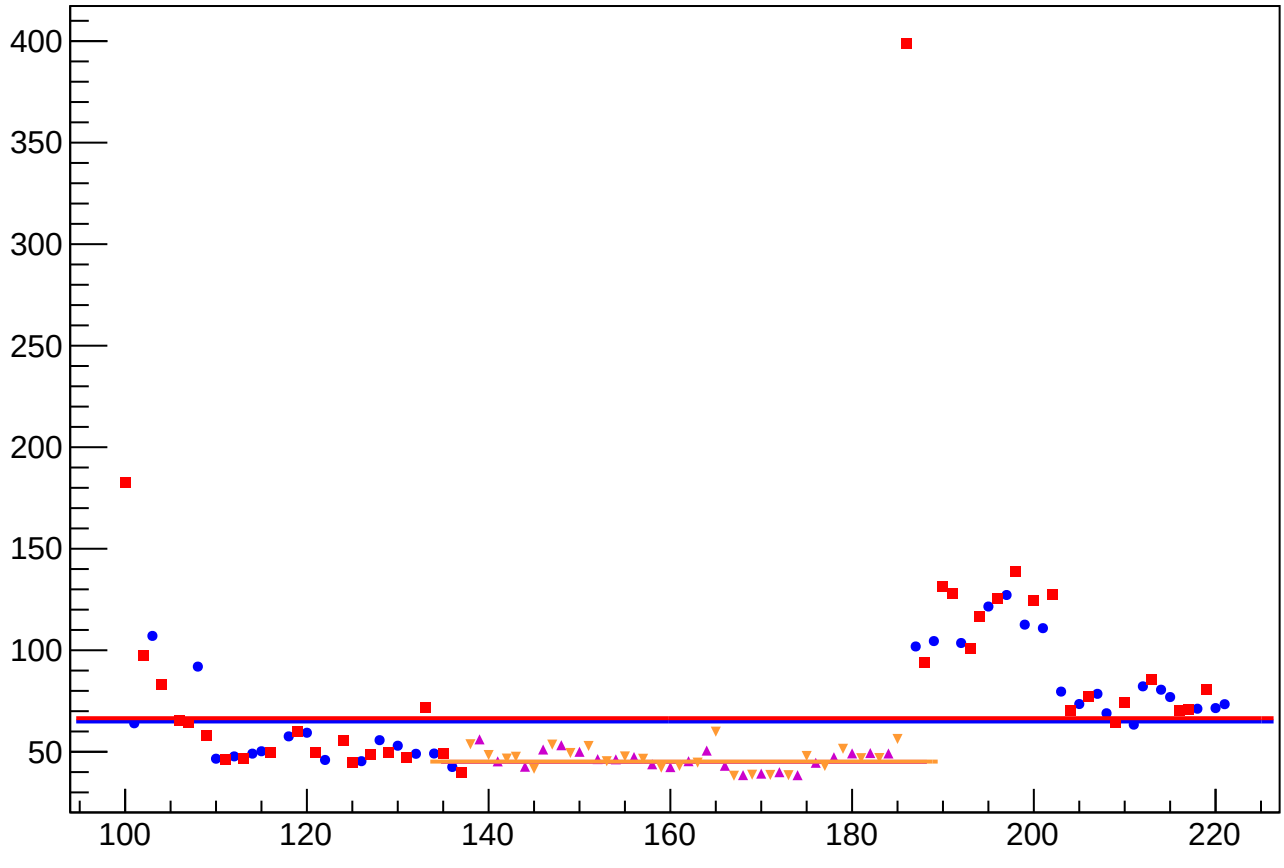
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 44.051+/-10.626 χ^2/NDF: 72.9/70

In: -5.326+/-8.616 χ^2/NDF:58.2/56

Out: -14.505+/-8.624 χ^2/NDF:129.3/61

All: -9.911+/-6.095 χ^2/NDF: 188.1/118



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: 66.535+/-0.011 χ^2/NDF: 4895241.5/36

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

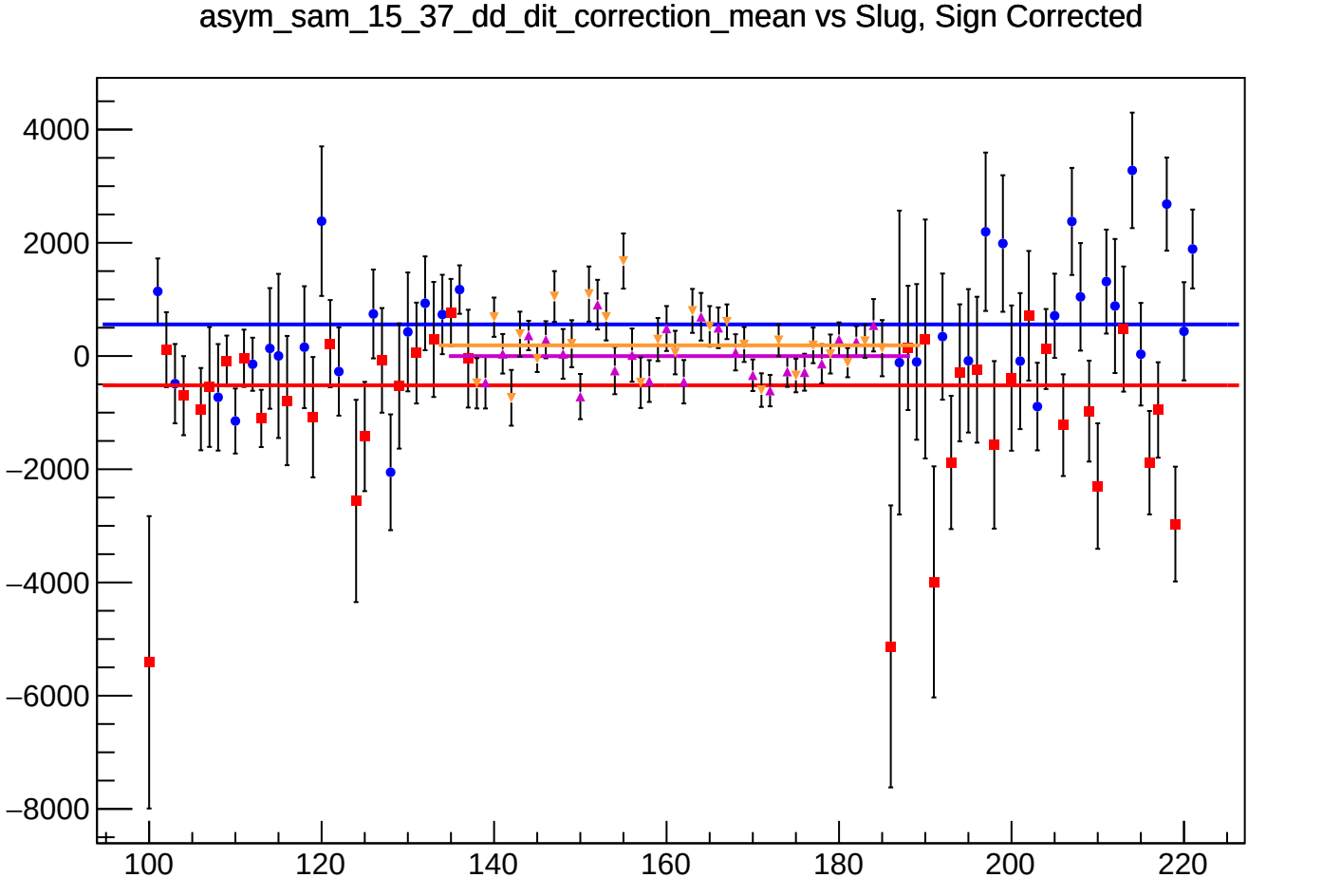
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 65.688+/-0.008 χ^2/NDF: 8684251.5/70

In: 51.919+/-0.006 χ^2/NDF:6569064.9/56

Out: 51.826+/-0.006 χ^2/NDF:8016185.1/61

All: 51.873+/-0.004 χ^2/NDF: 14585366.9/118



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: -517.048+/-144.080 χ^2/NDF: 41.1/36

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

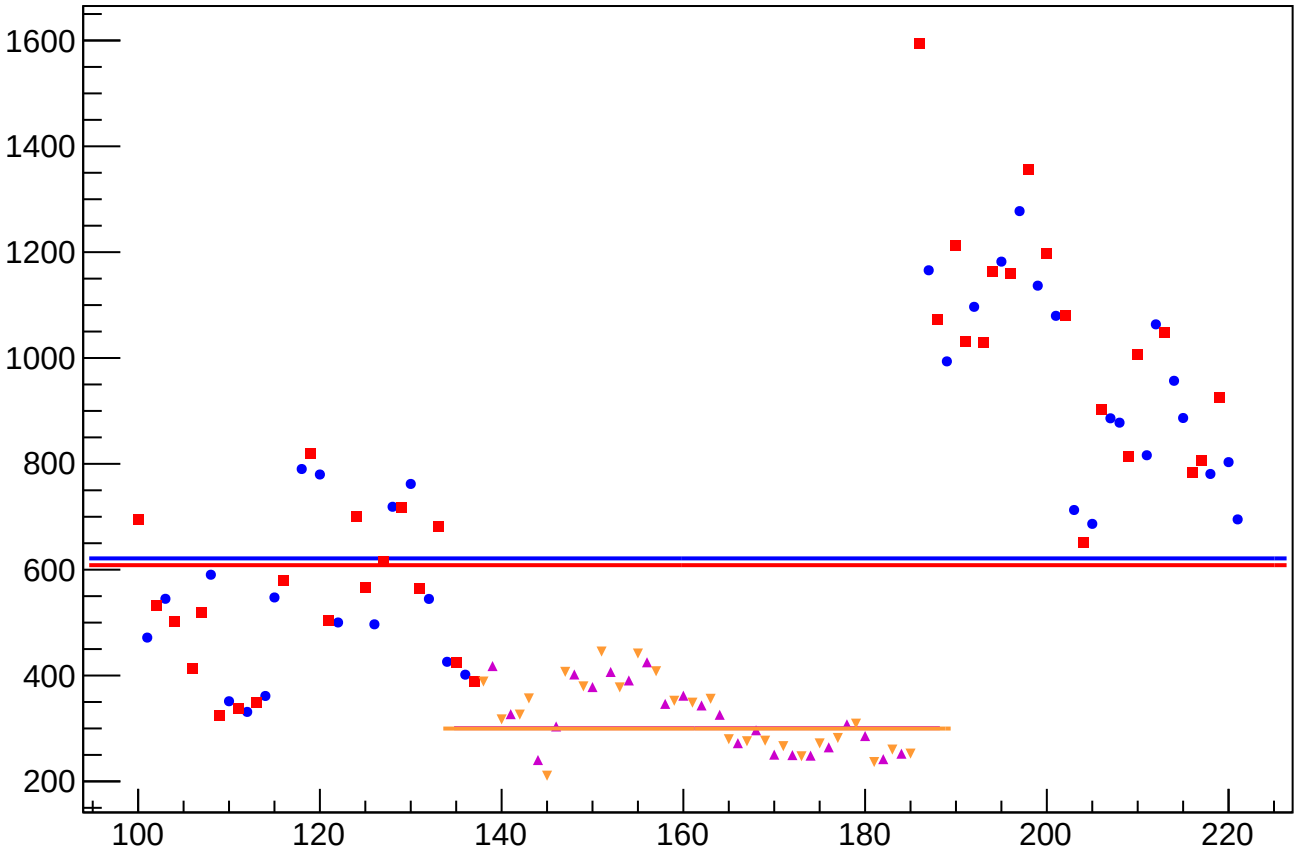
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: 26.276+/-101.336 χ^2/NDF: 127.6/70

In: 111.401+/-64.063 χ^2/NDF:102.9/56

Out: 54.909+/-62.754 χ^2/NDF:107.3/61

All: 82.572+/-44.829 χ^2/NDF: 210.6/118



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: 608.525+/-0.102 χ^2/NDF: 7131841.3/36

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

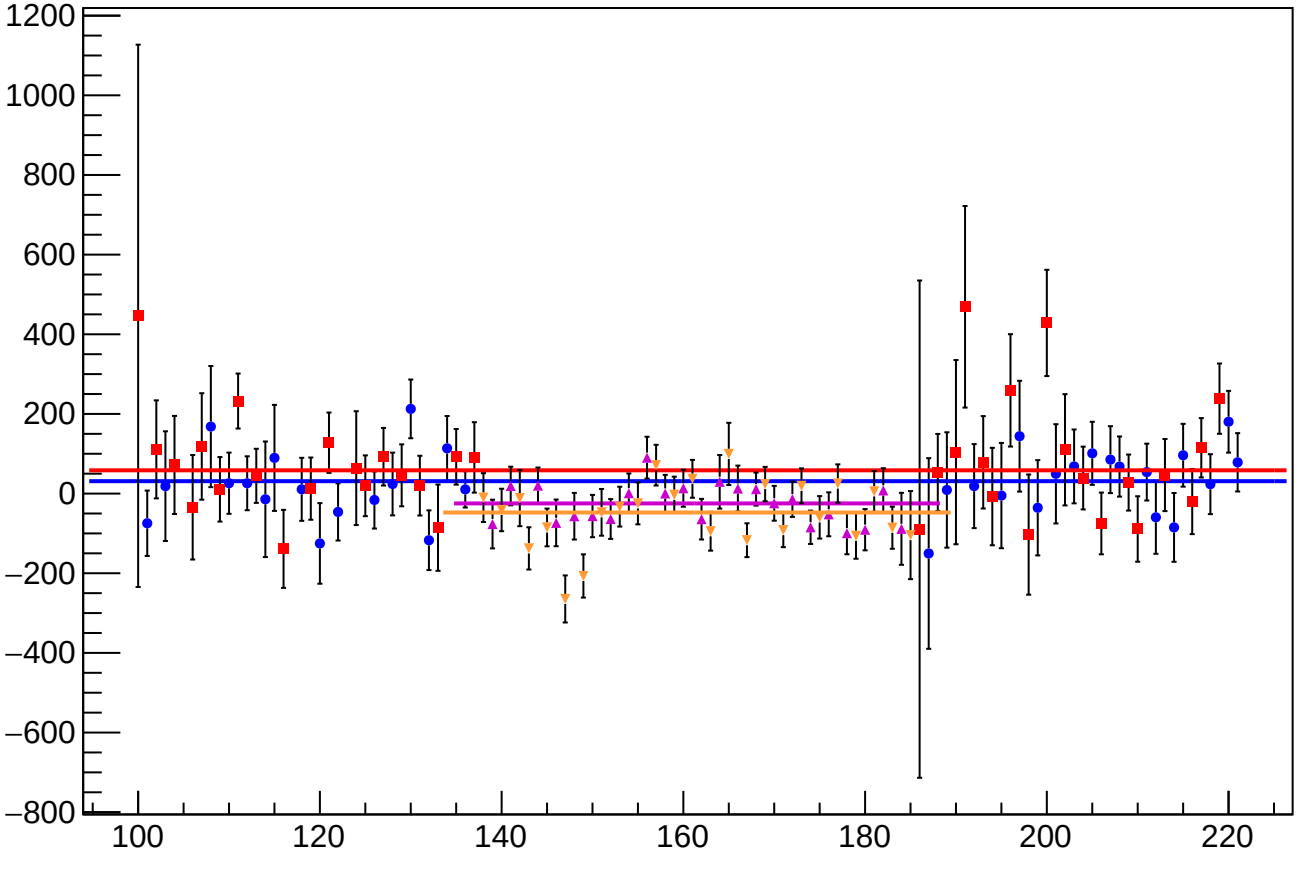
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 615.001+/-0.072 χ^2/NDF: 12929002.3/70

In: 365.331+/-0.045 χ^2/NDF:15131211.0/56

Out: 358.364+/-0.044 χ^2/NDF:16149992.7/61

All: 361.776+/-0.032 χ^2/NDF: 31293275.1/11



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: 58.421+/-15.454 χ^2/NDF: 42.3/36

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

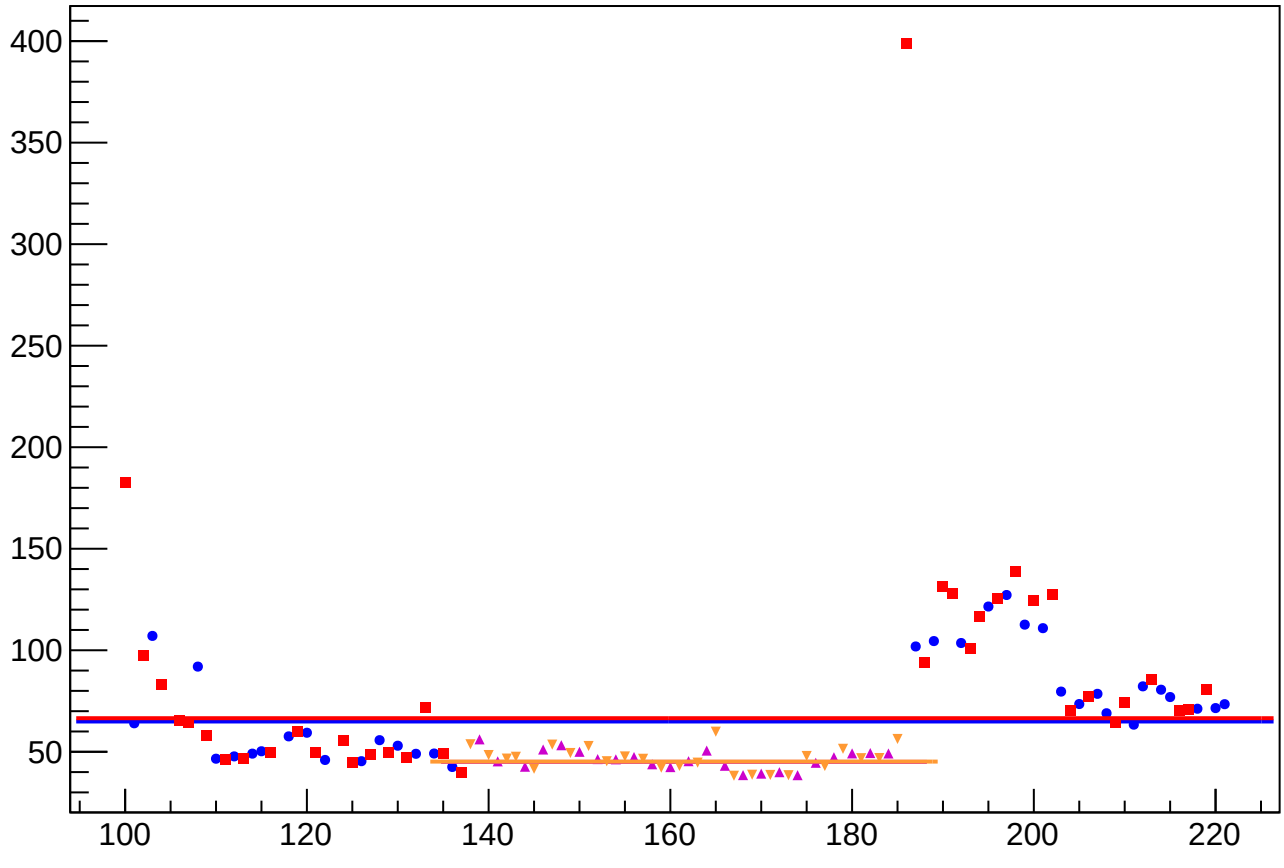
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 44.051+/-10.626 χ^2/NDF: 72.9/70

In: -5.326+/-8.616 χ^2/NDF:58.2/56

Out: -14.505+/-8.624 χ^2/NDF:129.3/61

All: -9.911+/-6.095 χ^2/NDF: 188.1/118



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: 66.535+/-0.011 χ^2/NDF: 4895242.7/36

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

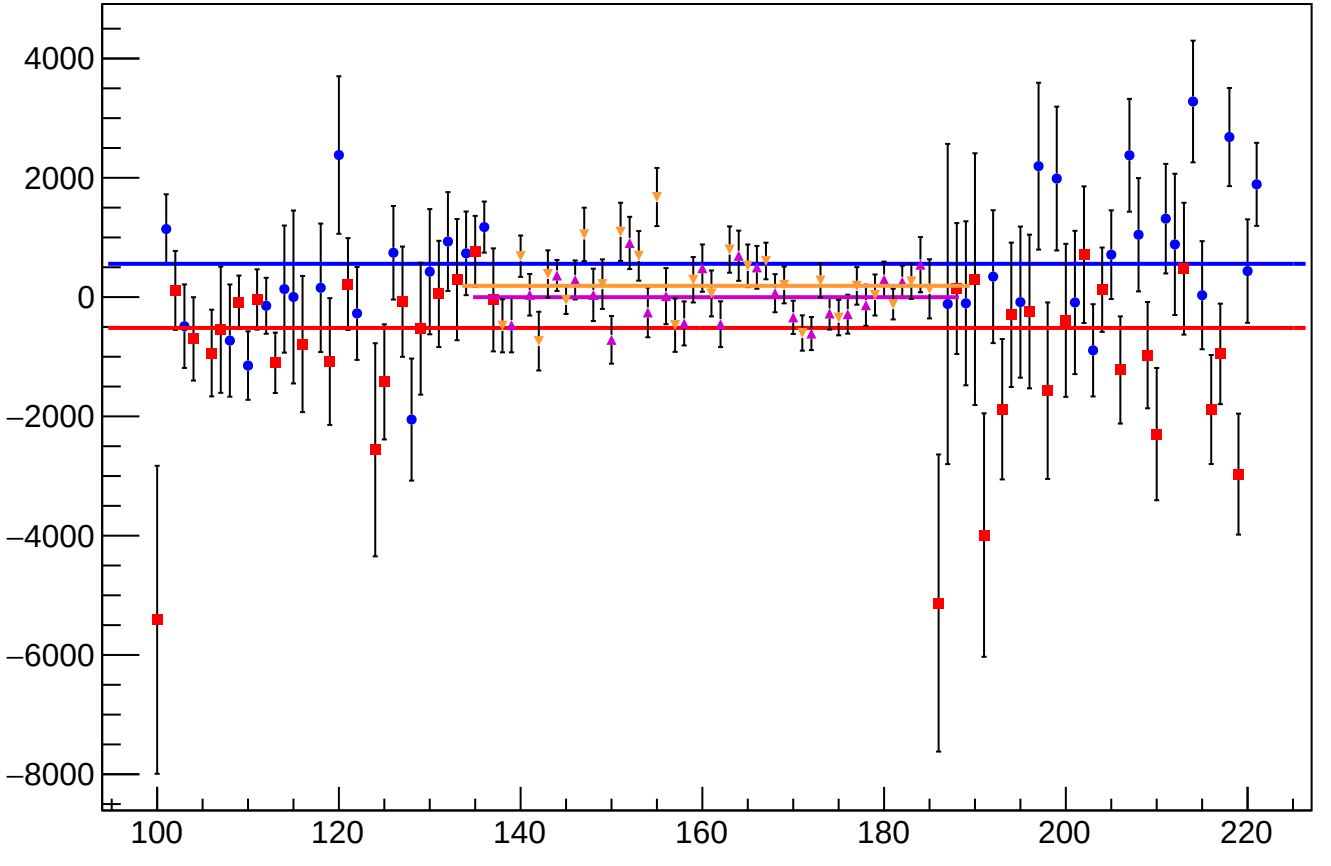
Right: 65.688+/-0.008 χ^2/NDF: 8684254.3/70

In: 51.919+/-0.006 χ^2/NDF:6569052.8/56

Out: 51.826+/-0.006 χ^2/NDF:8016191.7/61

All: 51.873+/-0.004 χ^2/NDF: 14585361.6/118

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 558.139+/-142.553 χ^2/NDF: 58.3/33

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -517.048+/-144.080 χ^2/NDF: 41.1/36

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

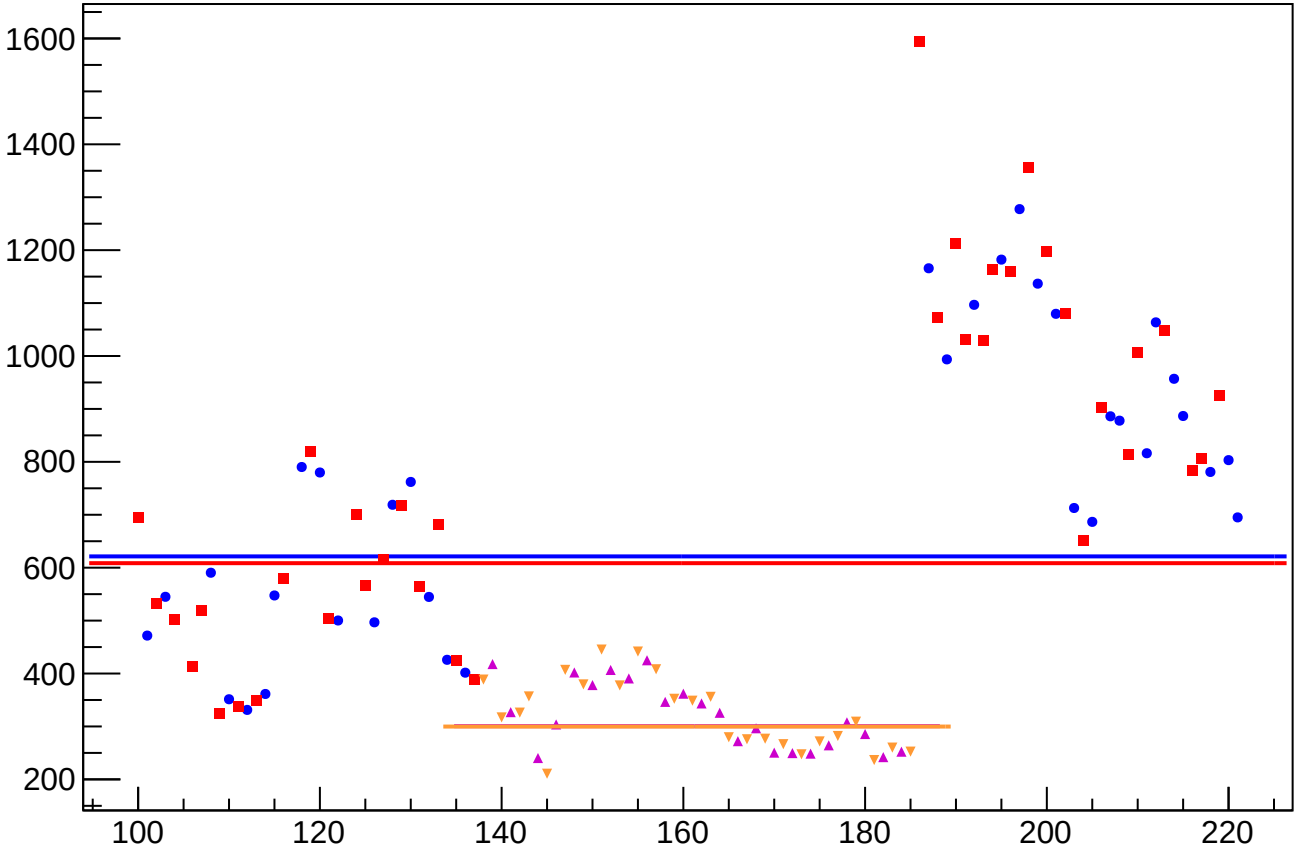
Right: 26.275+/-101.336 χ^2/NDF: 127.6/70

In: 111.401+/-64.063 χ^2/NDF:102.9/56

Out: 54.909+/-62.754 χ^2/NDF:107.3/61

All: 82.572+/-44.829 χ^2/NDF: 210.6/118

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: 608.524+/-0.102 χ^2/NDF: 7131858.8/36

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

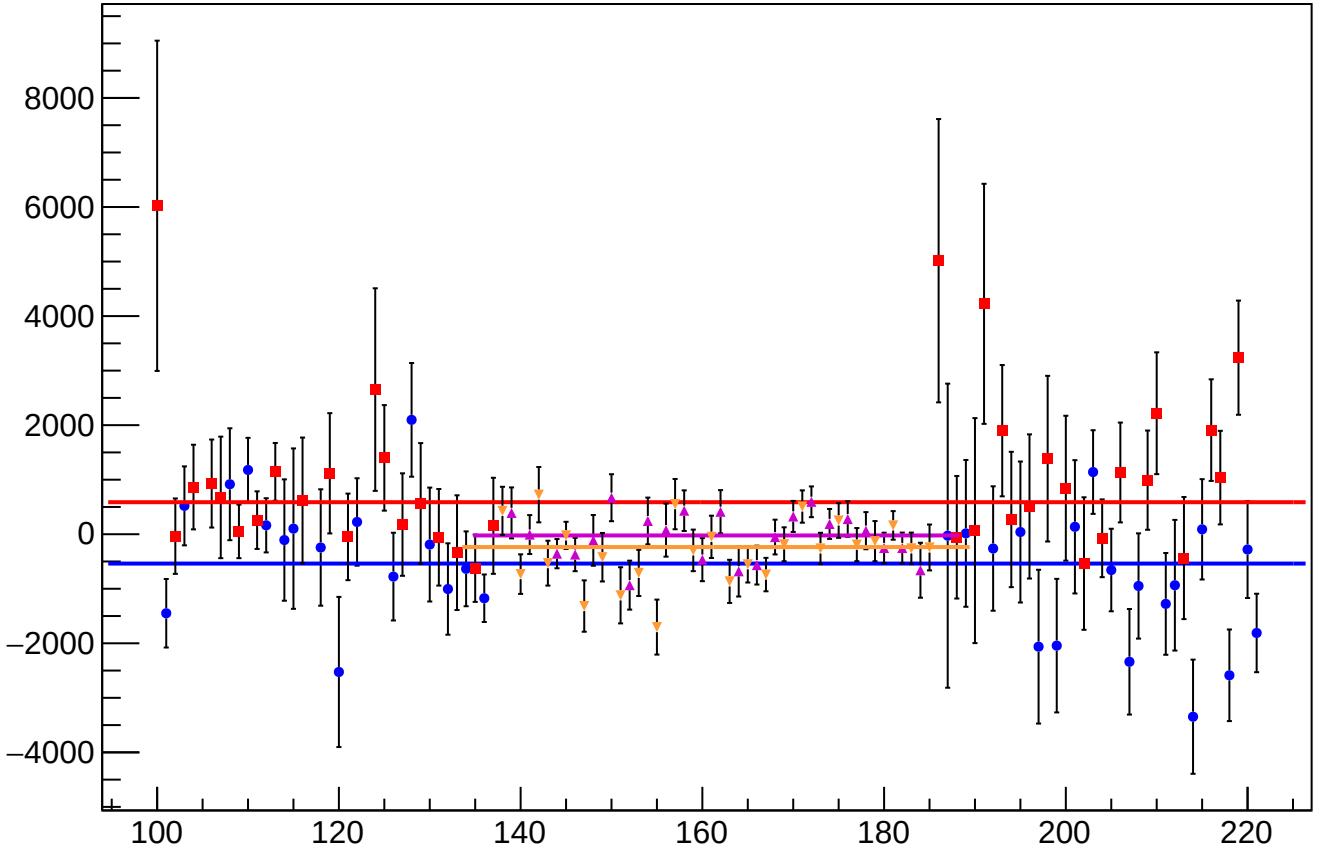
Right: 615.000+/-0.072 χ^2/NDF: 12929044.5/70

In: 365.332+/-0.045 χ^2/NDF:15131181.9/56

Out: 358.365+/-0.044 χ^2/NDF:16149972.7/61

All: 361.776+/-0.032 χ^2/NDF: 31293226.7/11

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: 587.327+/-150.019 χ^2/NDF: 37.0/36

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

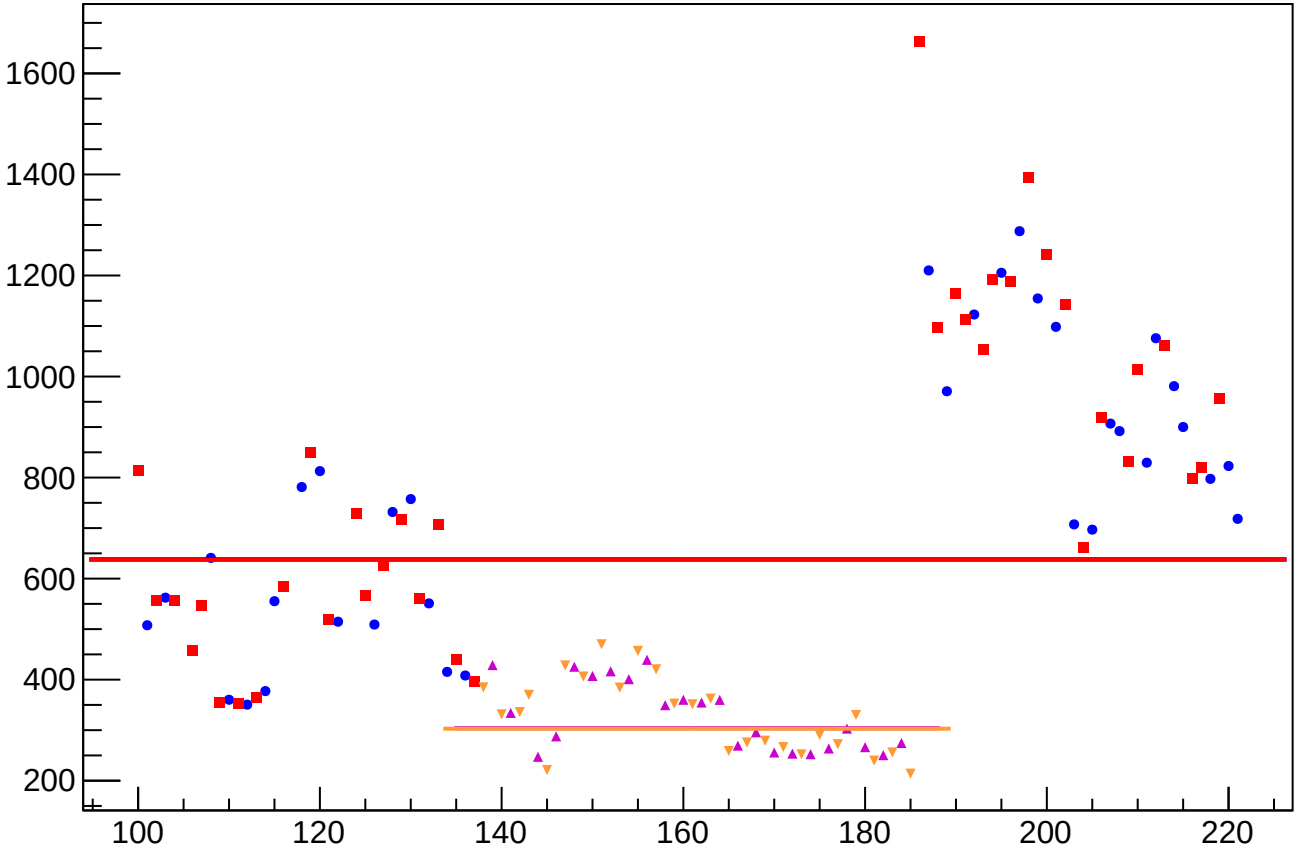
Right: 10.116+/-104.699 χ^2/NDF: 124.5/70

In: -124.711+/-65.054 χ^2/NDF:98.5/56

Out: -85.548+/-63.984 χ^2/NDF:109.0/61

All: -104.805+/-45.617 χ^2/NDF: 207.7/118

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: 636.984+/-0.106 χ^2/NDF: 6718371.6/36

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

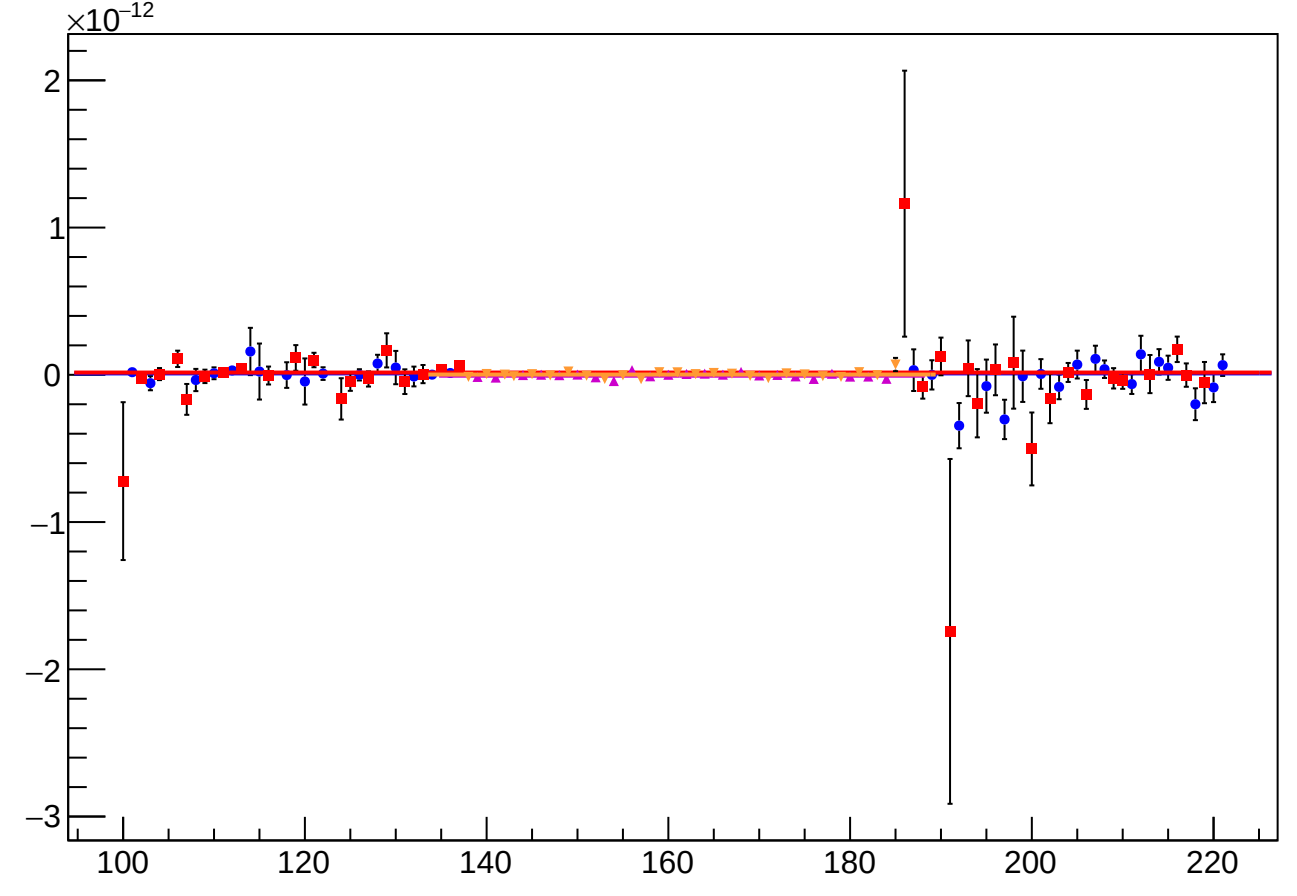
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 637.726+/-0.074 χ^2/NDF: 12306415.8/70

In: 370.162+/-0.046 χ^2/NDF:15362119.5/56

Out: 363.709+/-0.045 χ^2/NDF:16596649.6/61

All: 366.882+/-0.032 χ^2/NDF: 31968772.2/11



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: 43.3/36

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

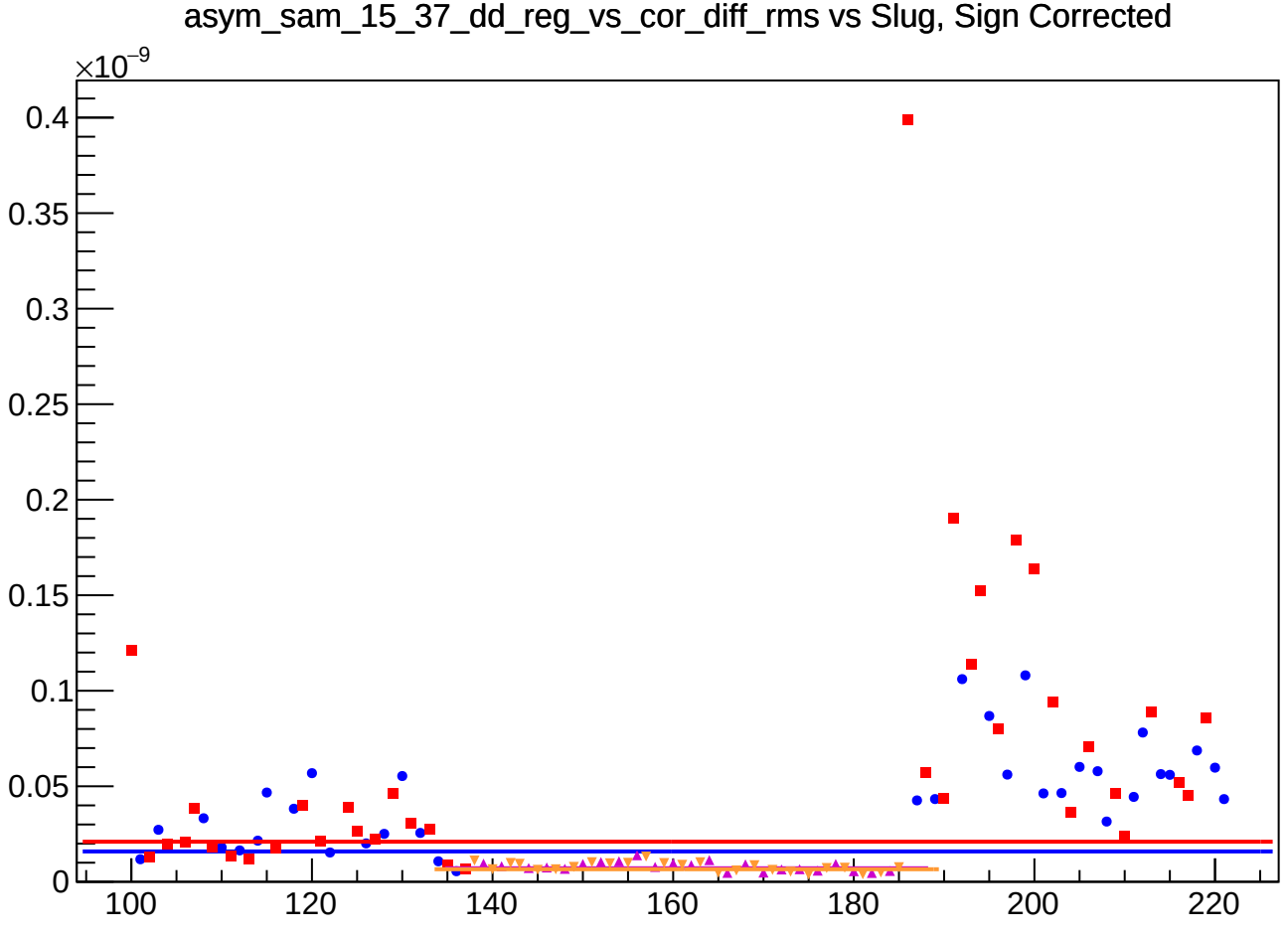
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 71.7/70

In: -0.000+/-0.000 χ^2/NDF:50.0/56

Out: 0.000+/-0.000 χ^2/NDF:68.1/61

All: -0.000+/-0.000 χ^2/NDF: 121.8/118



Right In: 0.000+/-0.000 χ^2/NDF: 9123394.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7801747.6/36

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

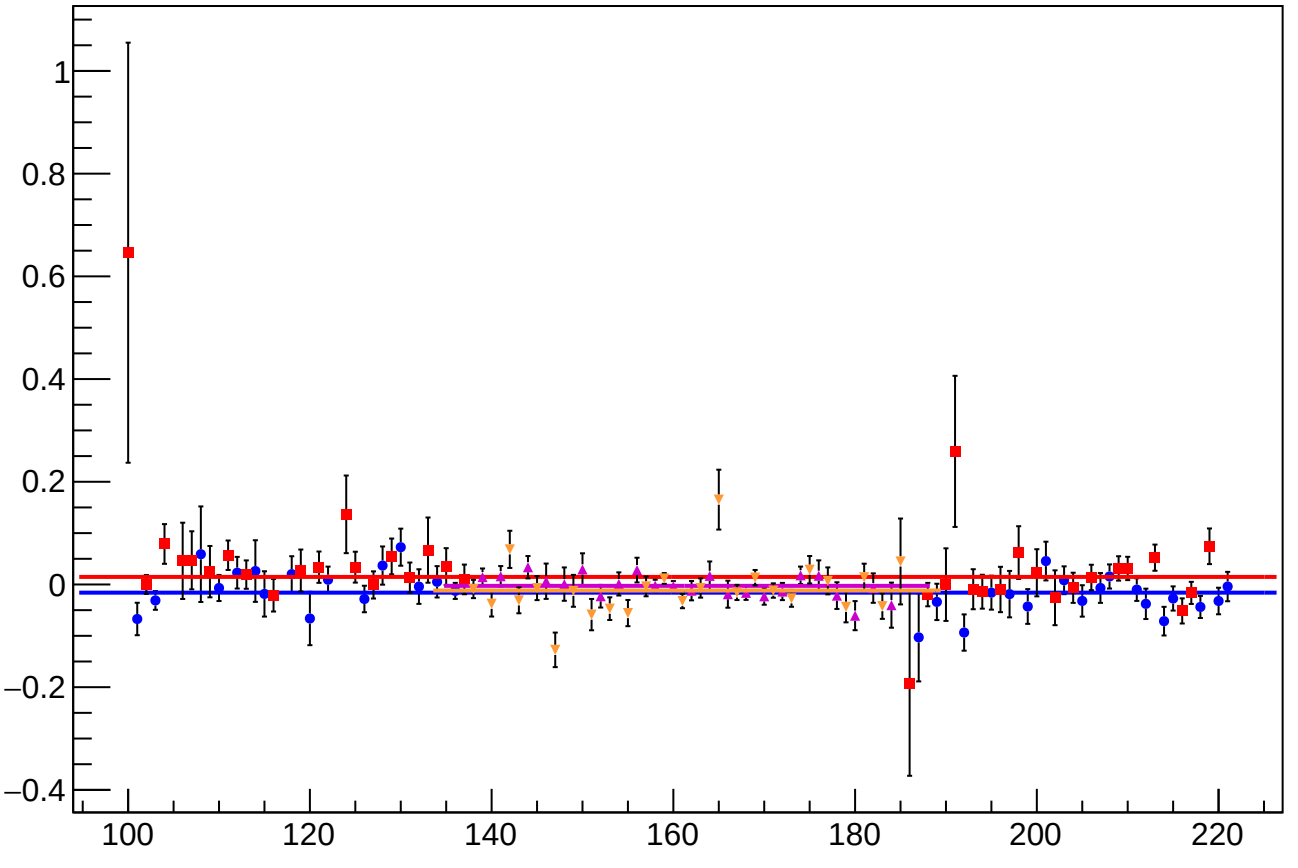
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17279664.2/70

In: 0.000+/-0.000 χ^2/NDF:12497947.5/56

Out: 0.000+/-0.000 χ^2/NDF:13570845.5/61

All: 0.000+/-0.000 χ^2/NDF: 26120475.5/118



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: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

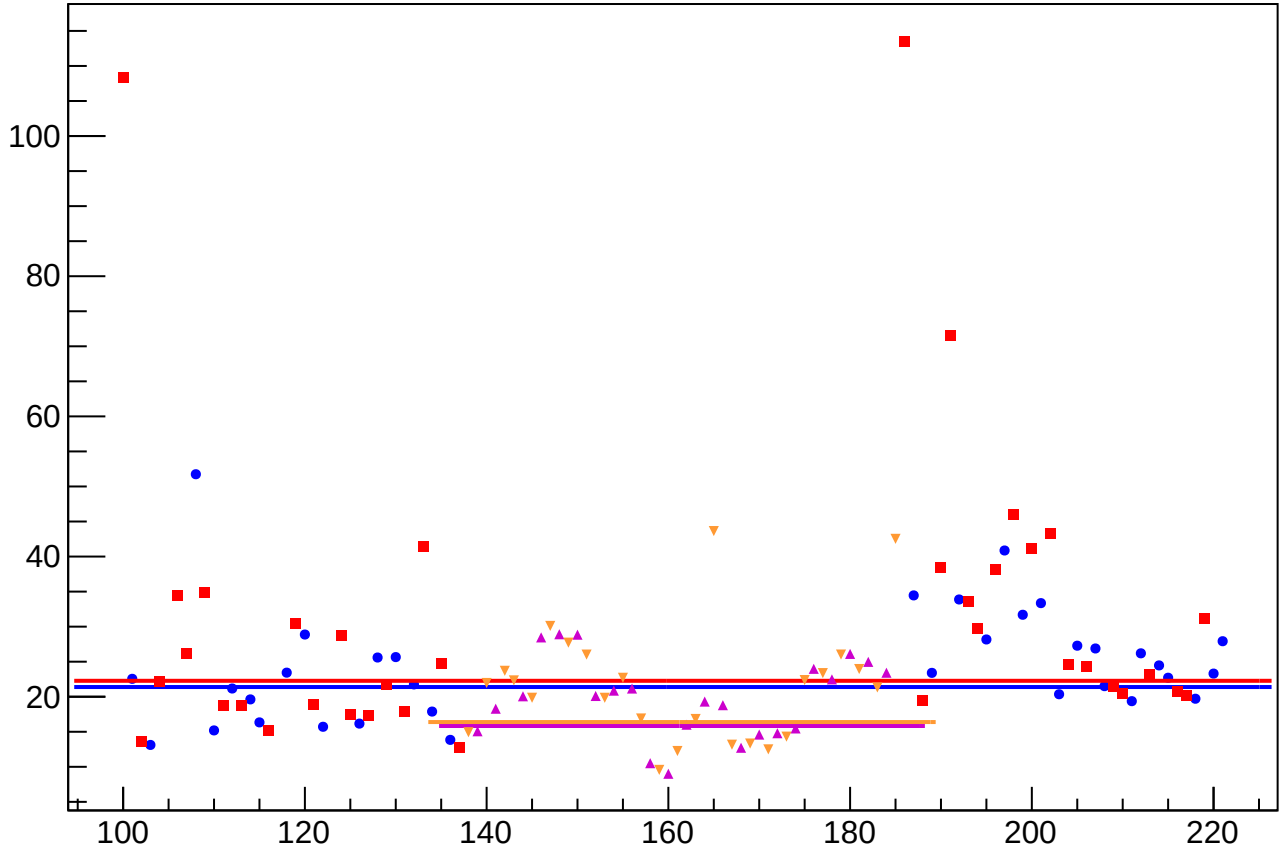
Right: -0.002+/-0.004 χ^2/NDF: 96.5/70

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 173.6/118

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: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

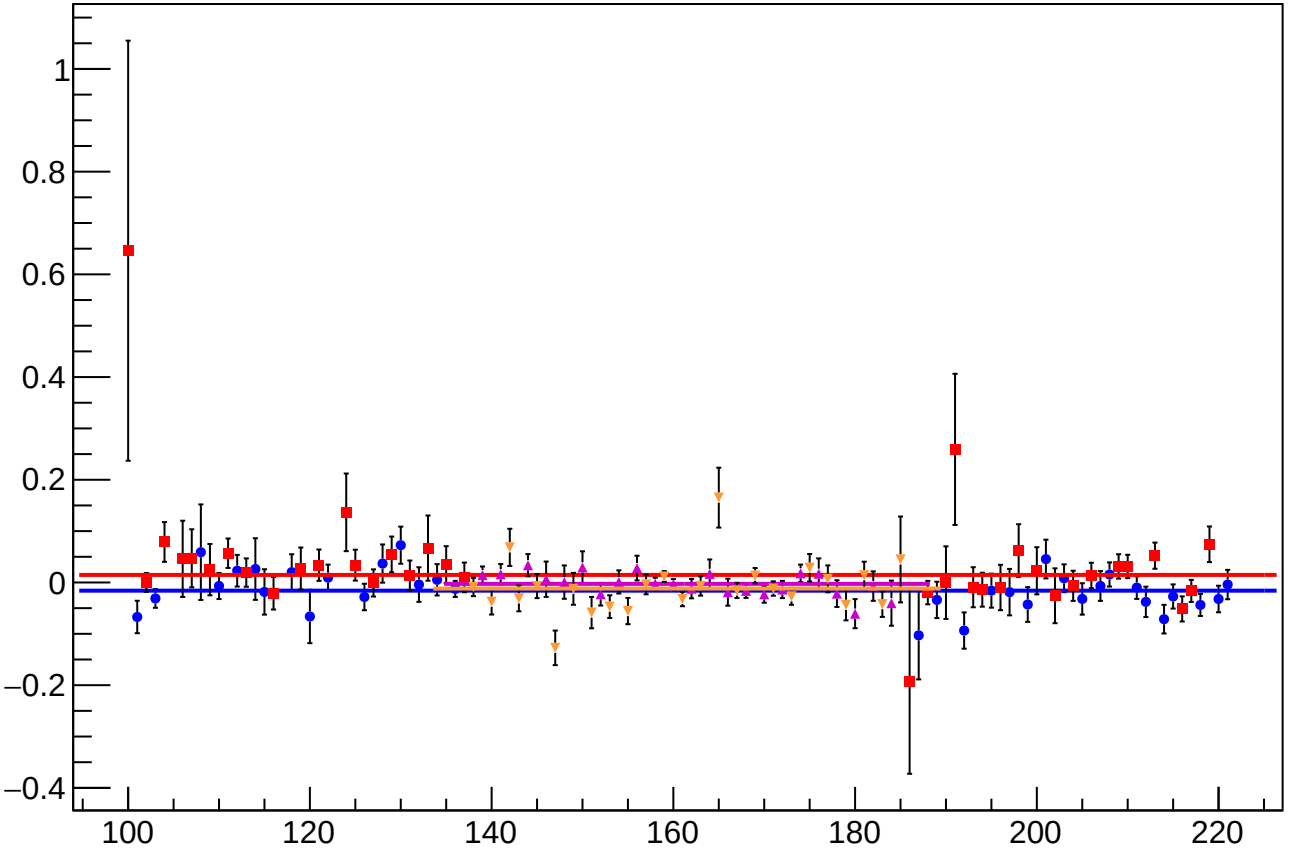
Right: 21.795+/-0.003 χ^2/NDF: 7372551.5/70

In: 18.040+/-0.002 χ^2/NDF:8235145.2/56

Out: 18.540+/-0.002 χ^2/NDF:9834718.5/61

All: 18.282+/-0.002 χ^2/NDF: 18094529.2/118

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

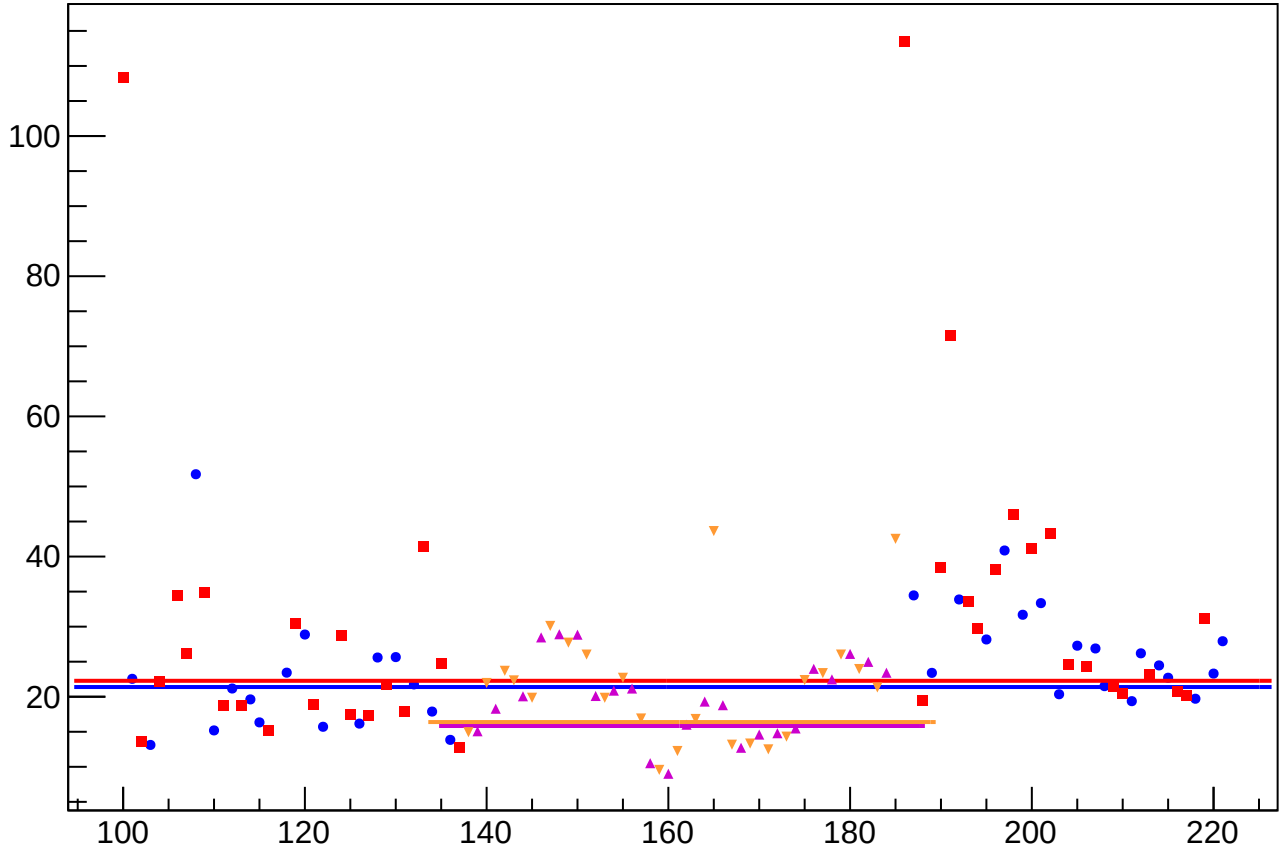
Right: -0.002+/-0.004 χ^2/NDF: 96.5/70

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 173.6/118

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: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

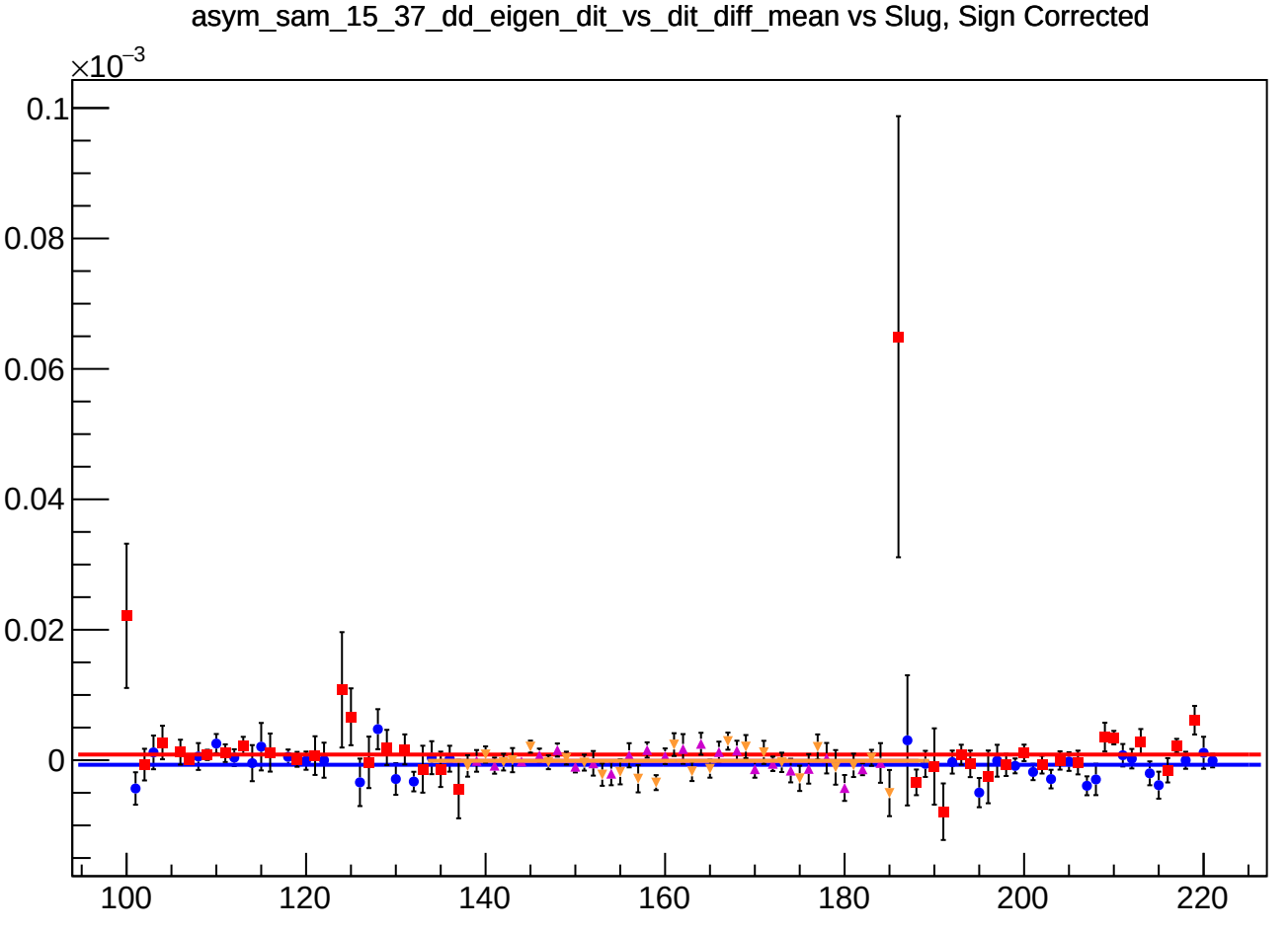
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.795+/-0.003 χ^2/NDF: 7372551.5/70

In: 18.040+/-0.002 χ^2/NDF:8235145.2/56

Out: 18.540+/-0.002 χ^2/NDF:9834718.5/61

All: 18.282+/-0.002 χ^2/NDF: 18094529.2/118



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: 47.7/36

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

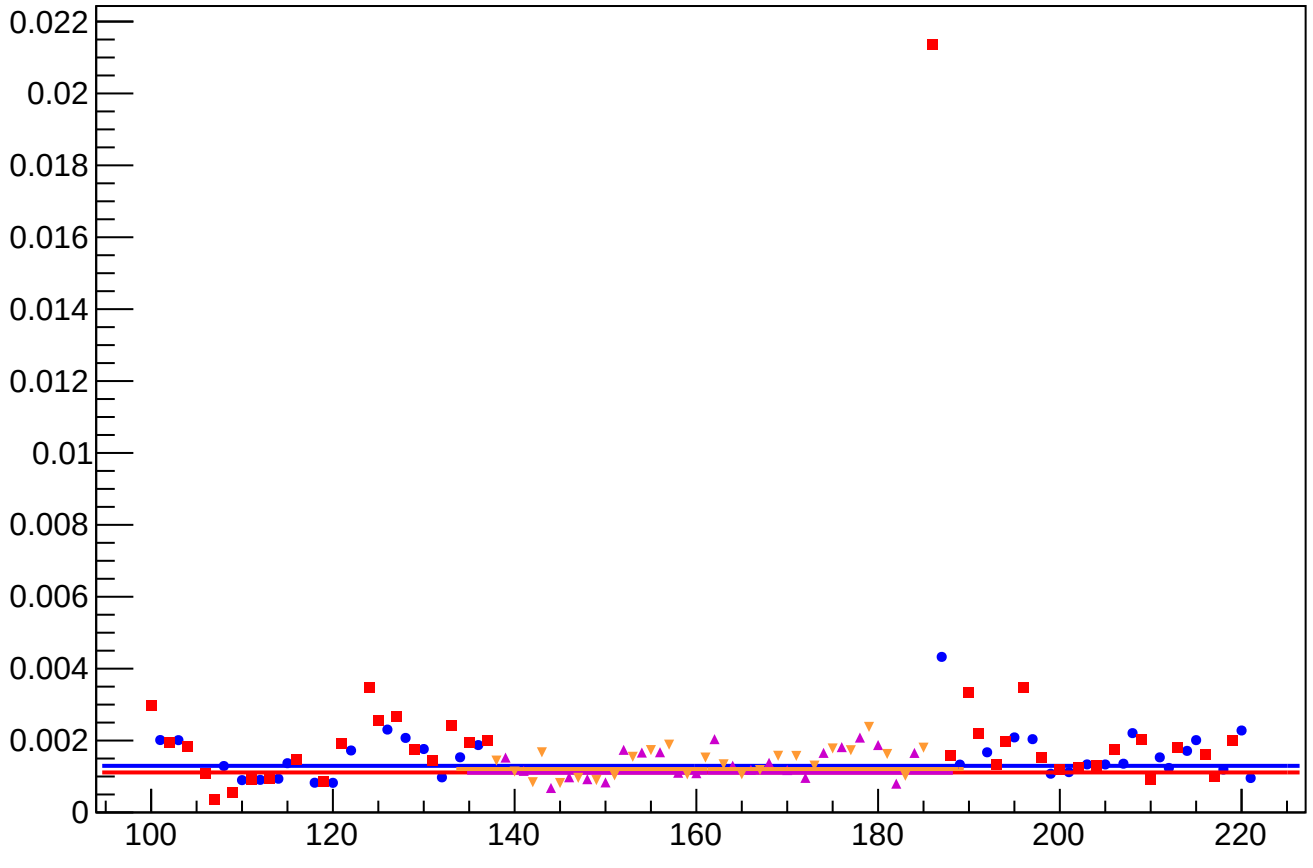
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: 0.000+/-0.000 χ^2/NDF: 99.4/70

In: -0.000+/-0.000 χ^2/NDF:60.9/56

Out: 0.000+/-0.000 χ^2/NDF:89.5/61

All: 0.000+/-0.000 χ^2/NDF: 158.1/118



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: 9148848.1/36

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

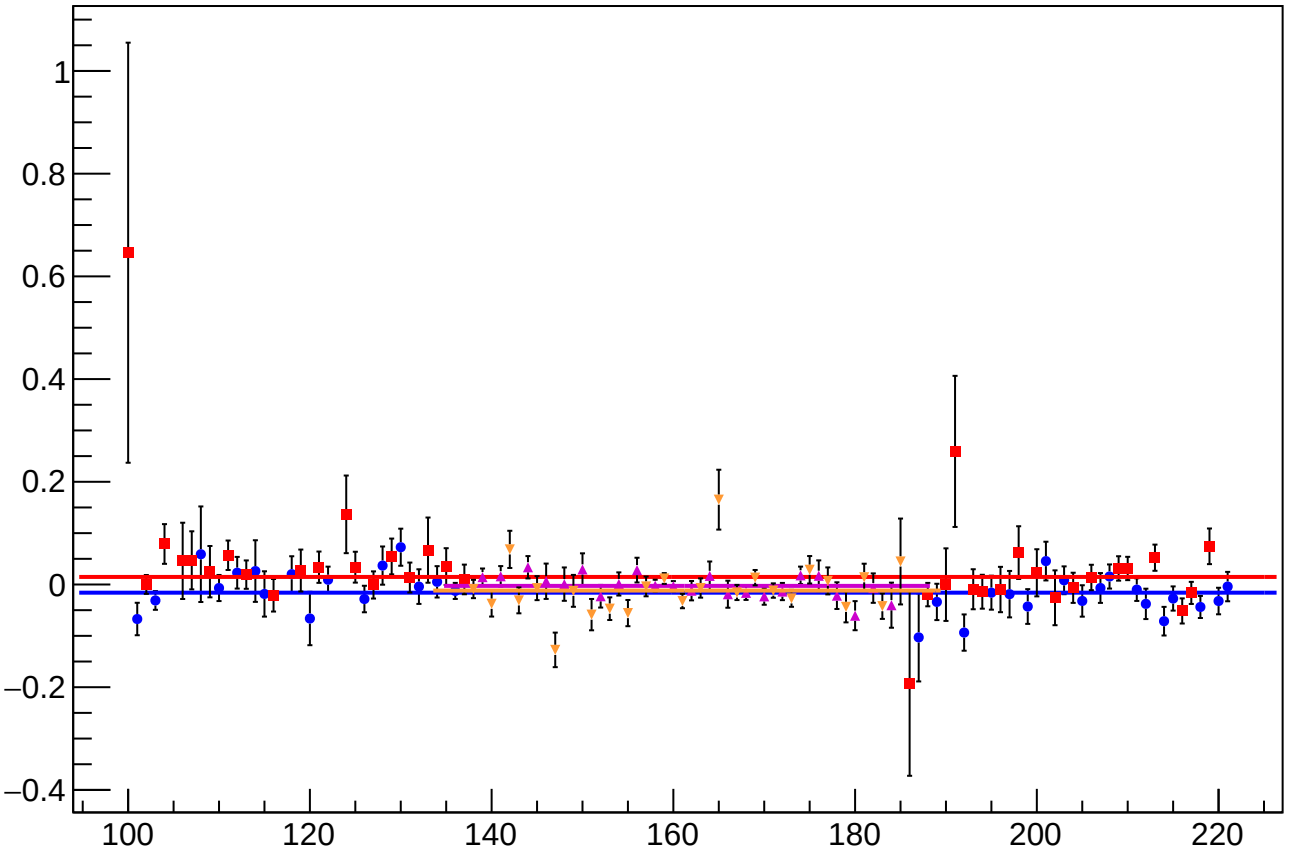
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 13554507.4/70

In: 0.001+/-0.000 χ^2/NDF:7946137.1/56

Out: 0.001+/-0.000 χ^2/NDF:11982854.3/61

All: 0.001+/-0.000 χ^2/NDF: 19958583.6/118



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: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

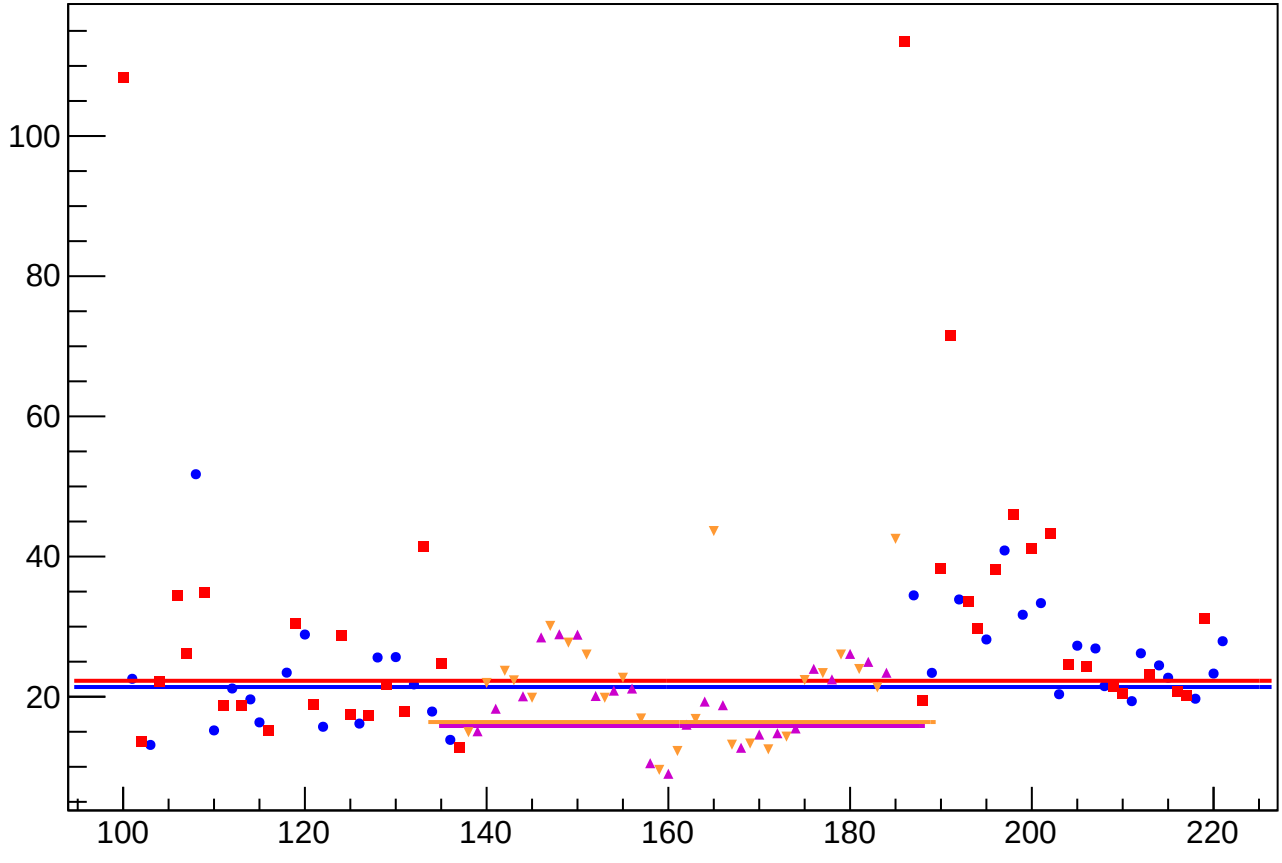
Right: -0.002+/-0.004 χ^2/NDF: 96.5/70

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 173.6/118

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: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

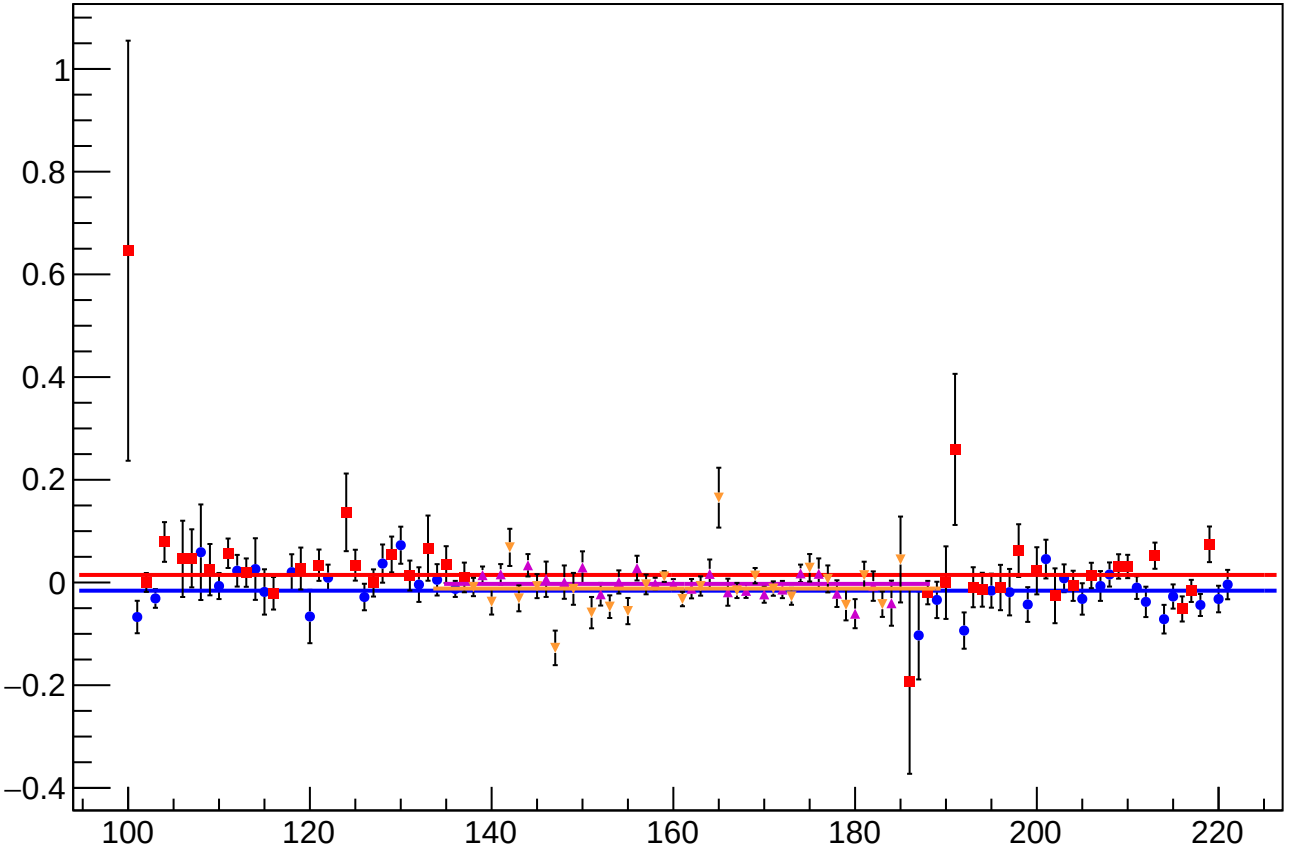
Right: 21.795+/-0.003 χ^2/NDF: 7372317.4/70

In: 18.040+/-0.002 χ^2/NDF:8235641.8/56

Out: 18.540+/-0.002 χ^2/NDF:9834956.8/61

All: 18.282+/-0.002 χ^2/NDF: 18095277.8/118

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

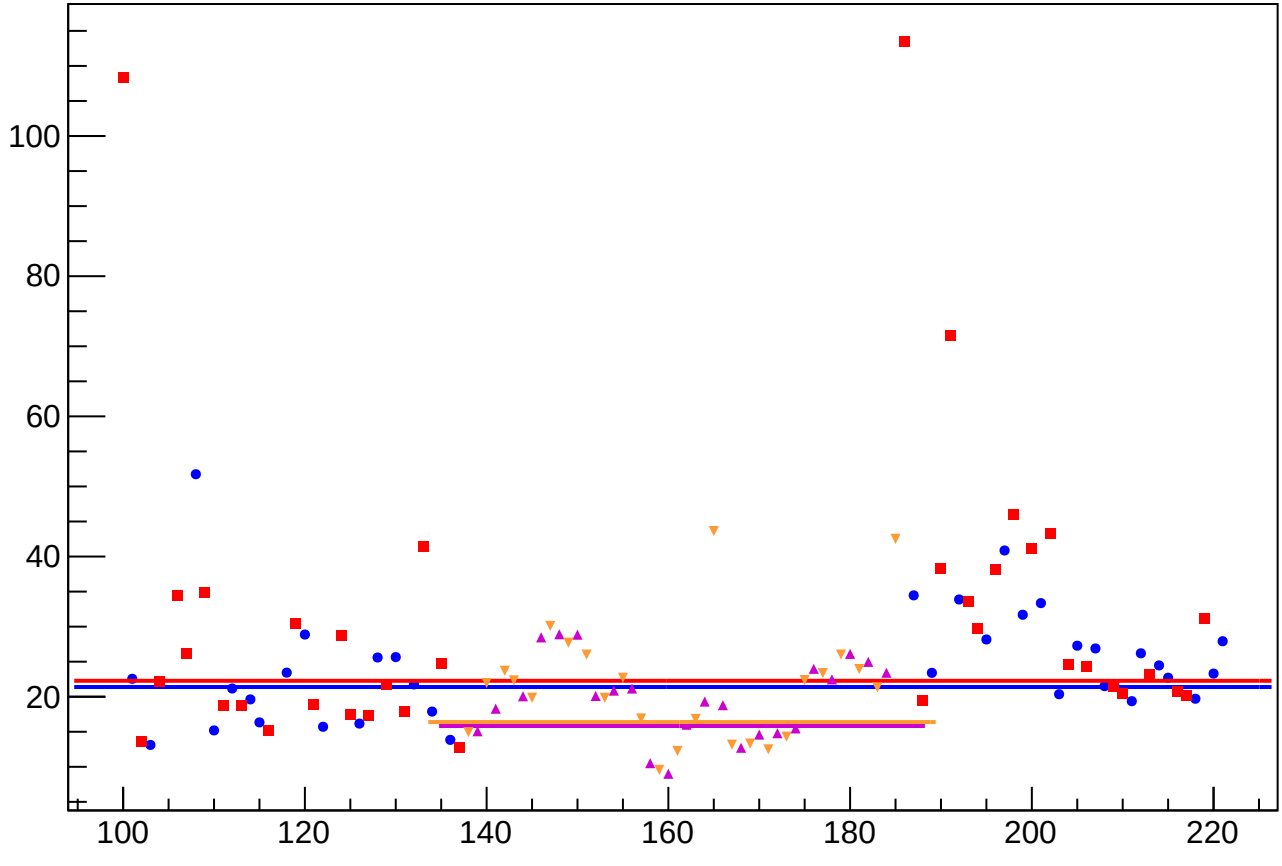
Right: -0.002+/-0.004 χ^2/NDF: 96.5/70

In: -0.008+/-0.003 χ^2/NDF:61.5/56

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 173.6/118

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: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

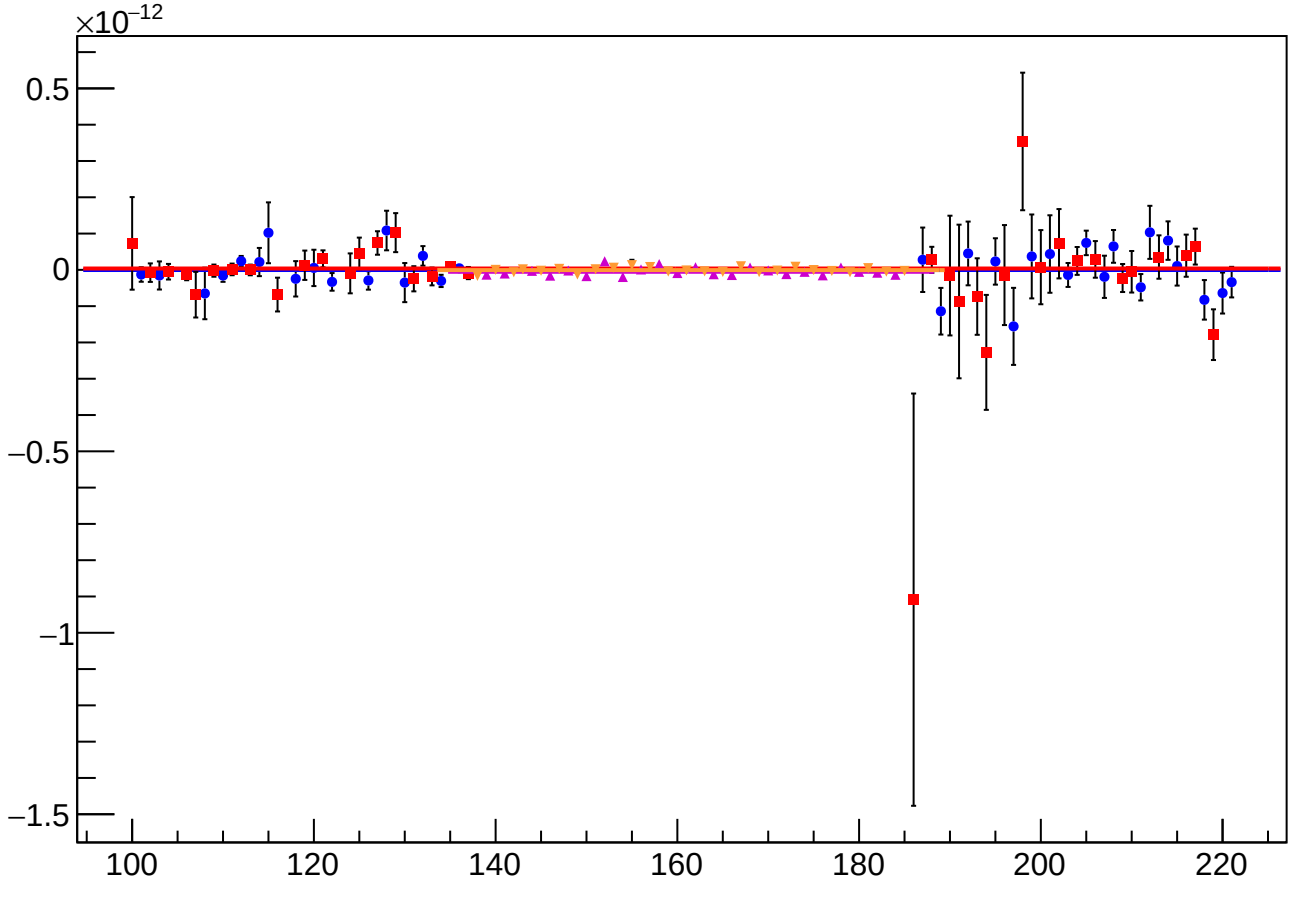
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.795+/-0.003 χ^2/NDF: 7372317.4/70

In: 18.040+/-0.002 χ^2/NDF:8235641.8/56

Out: 18.540+/-0.002 χ^2/NDF:9834956.8/61

All: 18.282+/-0.002 χ^2/NDF: 18095277.8/118



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: 39.0/36

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

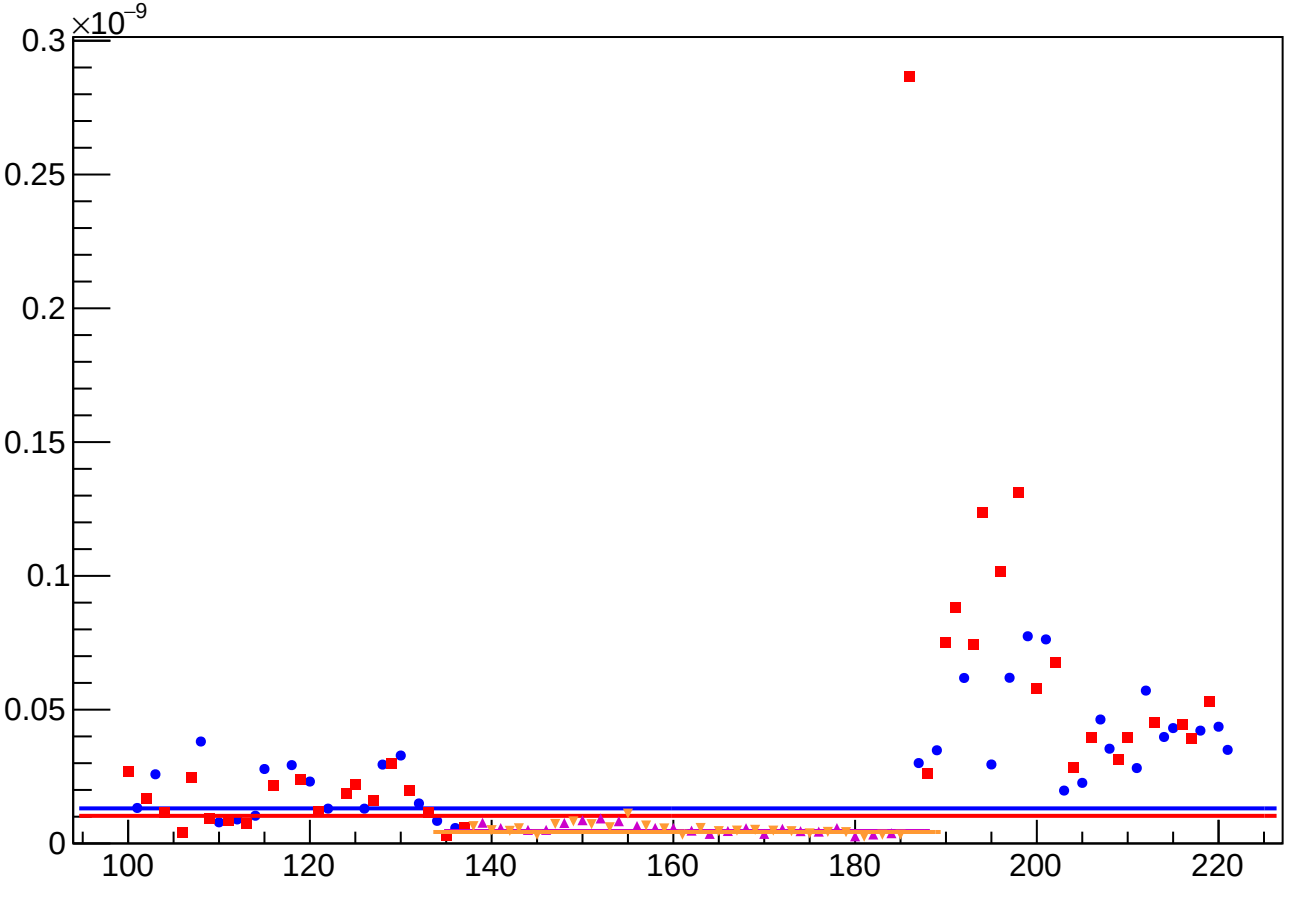
Right: 0.000+/-0.000 χ^2/NDF: 83.2/70

In: -0.000+/-0.000 χ^2/NDF:82.7/56

Out: -0.000+/-0.000 χ^2/NDF:59.1/61

All: -0.000+/-0.000 χ^2/NDF: 148.2/118

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: 14887511.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

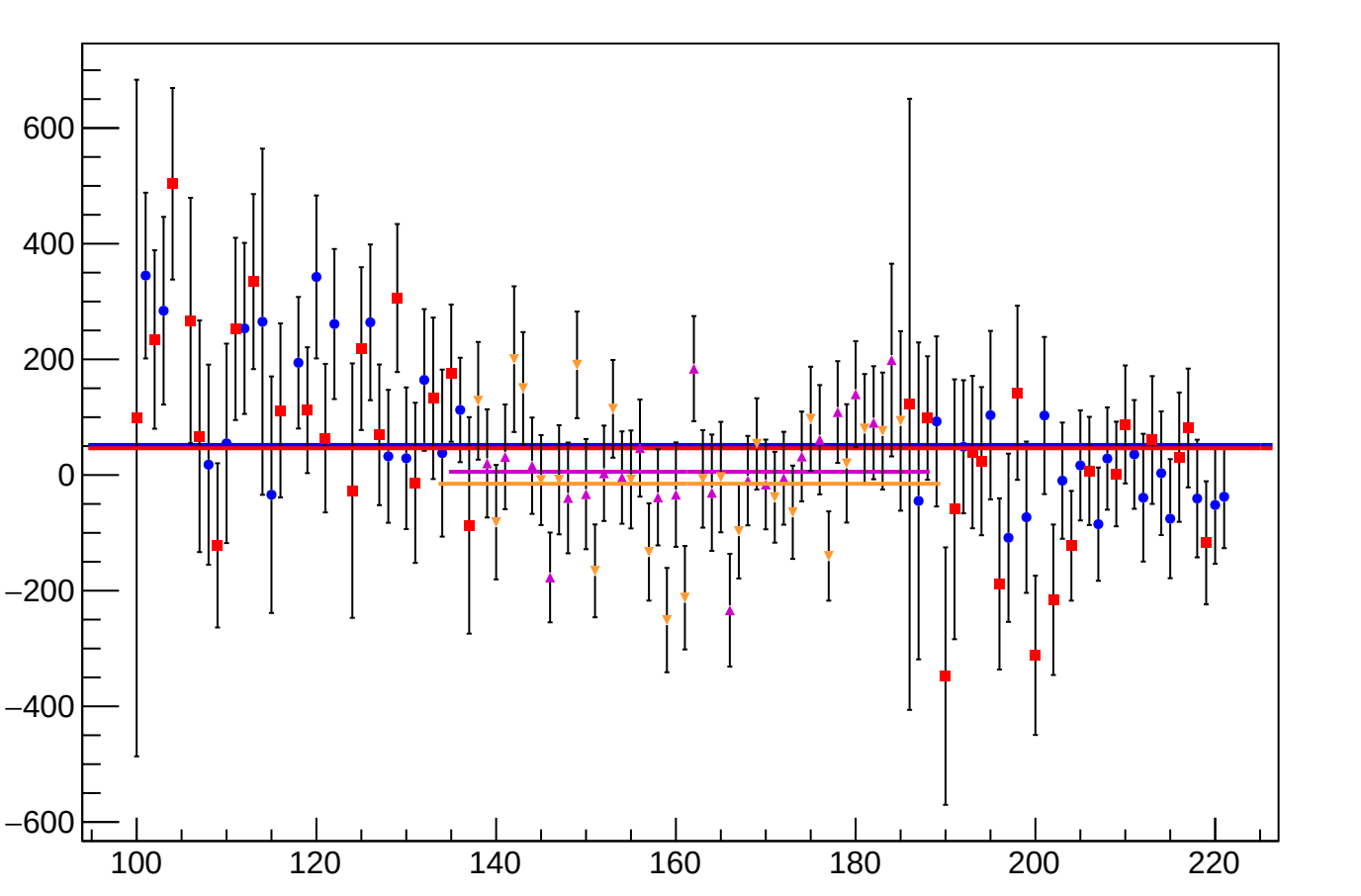
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 26955259.4/70

In: 0.000+/-0.000 χ^2/NDF:20156431.0/56

Out: 0.000+/-0.000 χ^2/NDF:21098397.7/61

All: 0.000+/-0.000 χ^2/NDF: 41450592.3/118



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: 46.249+/-21.851 χ^2/NDF: 49.2/36

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

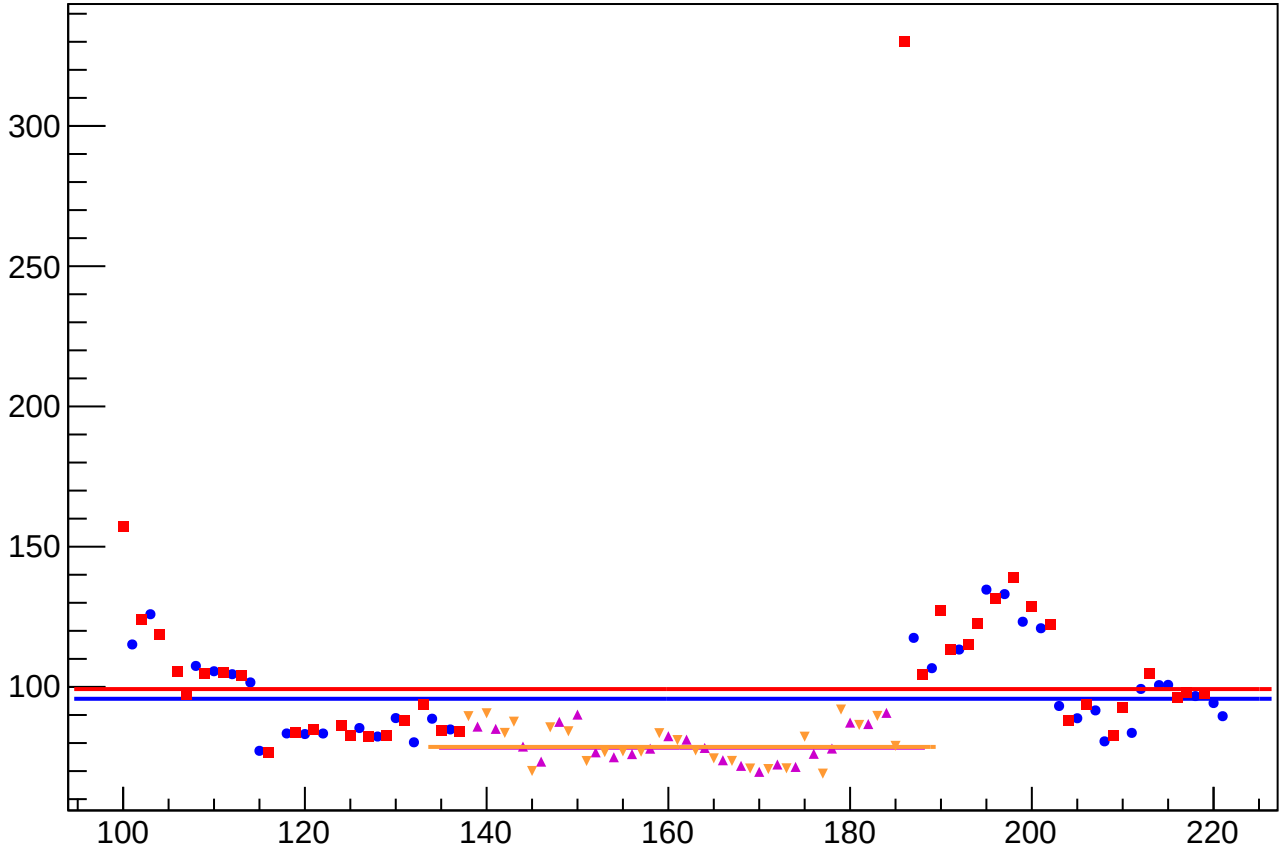
Right: 49.269+/-15.023 χ^2/NDF: 80.8/70

In: 26.076+/-13.741 χ^2/NDF:57.3/56

Out: 9.630+/-13.873 χ^2/NDF:95.6/61

All: 17.932+/-9.763 χ^2/NDF: 153.6/118

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: 99.240+/-0.015 χ^2/NDF: 1413972.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

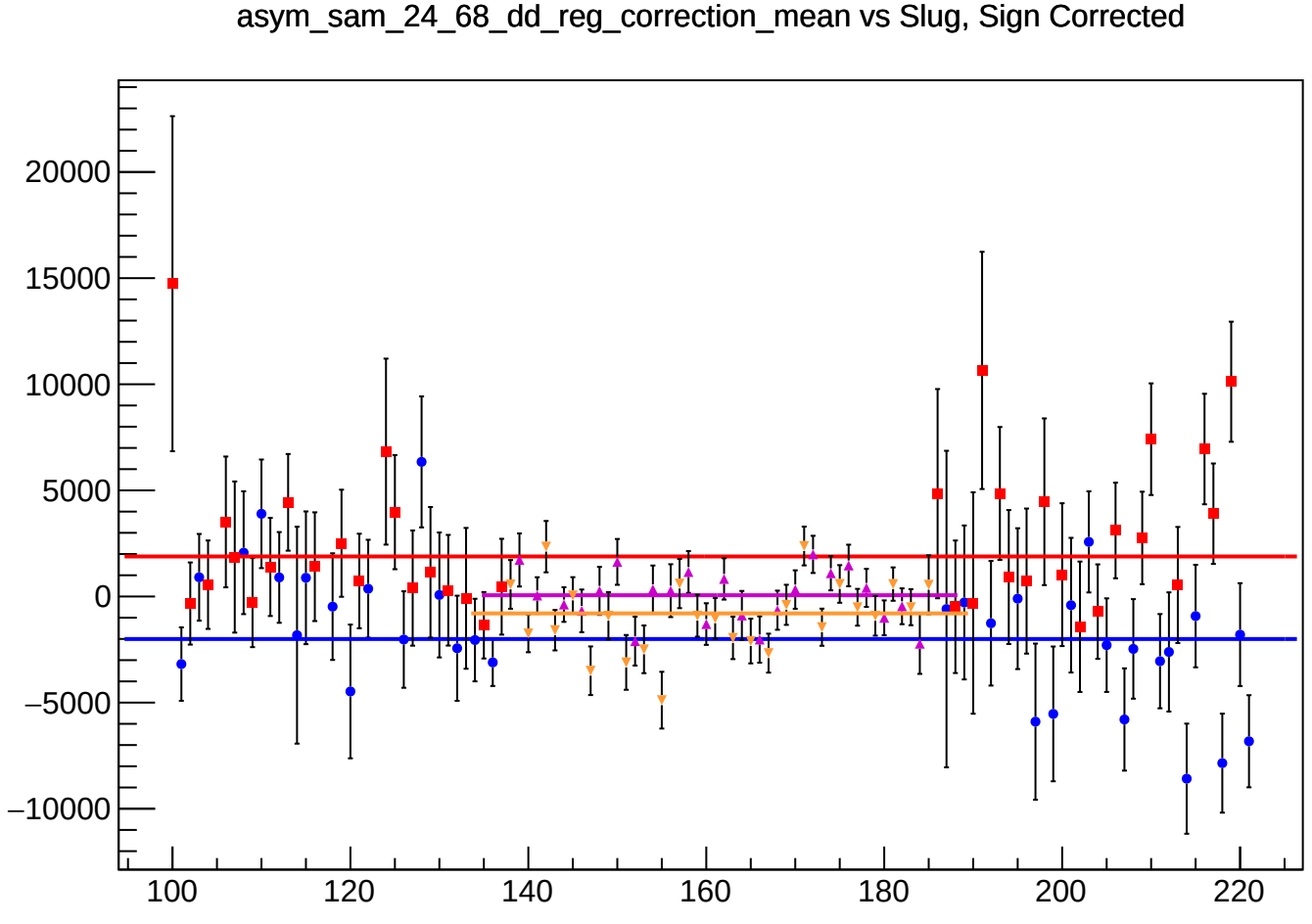
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.414+/-0.011 χ^2/NDF: 2385655.9/70

In: 86.030+/-0.010 χ^2/NDF:1948921.3/56

Out: 86.931+/-0.010 χ^2/NDF:2784420.7/61

All: 86.476+/-0.007 χ^2/NDF: 4737599.5/118



Right In: -2003.508+/-414.230 χ^2/NDF: 51.0/33

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1886.231+/-439.071 χ^2/NDF: 40.8/36

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

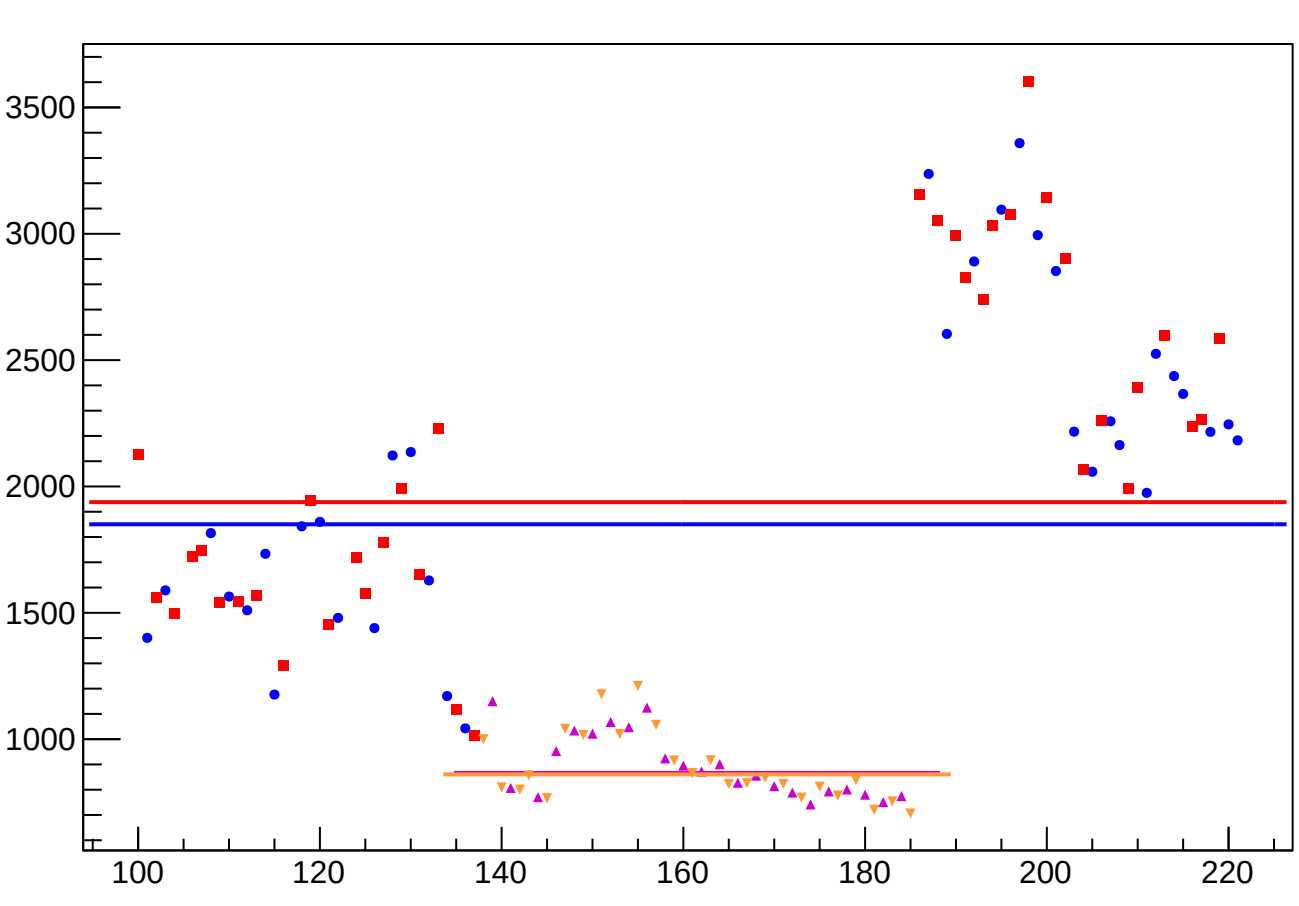
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -171.782+/-301.304 χ^2/NDF: 133.3/70

In: -344.582+/-183.325 χ^2/NDF:101.4/56

Out: -343.998+/-180.408 χ^2/NDF:131.3/61

All: -344.285+/-128.587 χ^2/NDF: 232.7/118



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: 1938.067+/-0.310 χ^2/NDF: 3871029.5/36

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

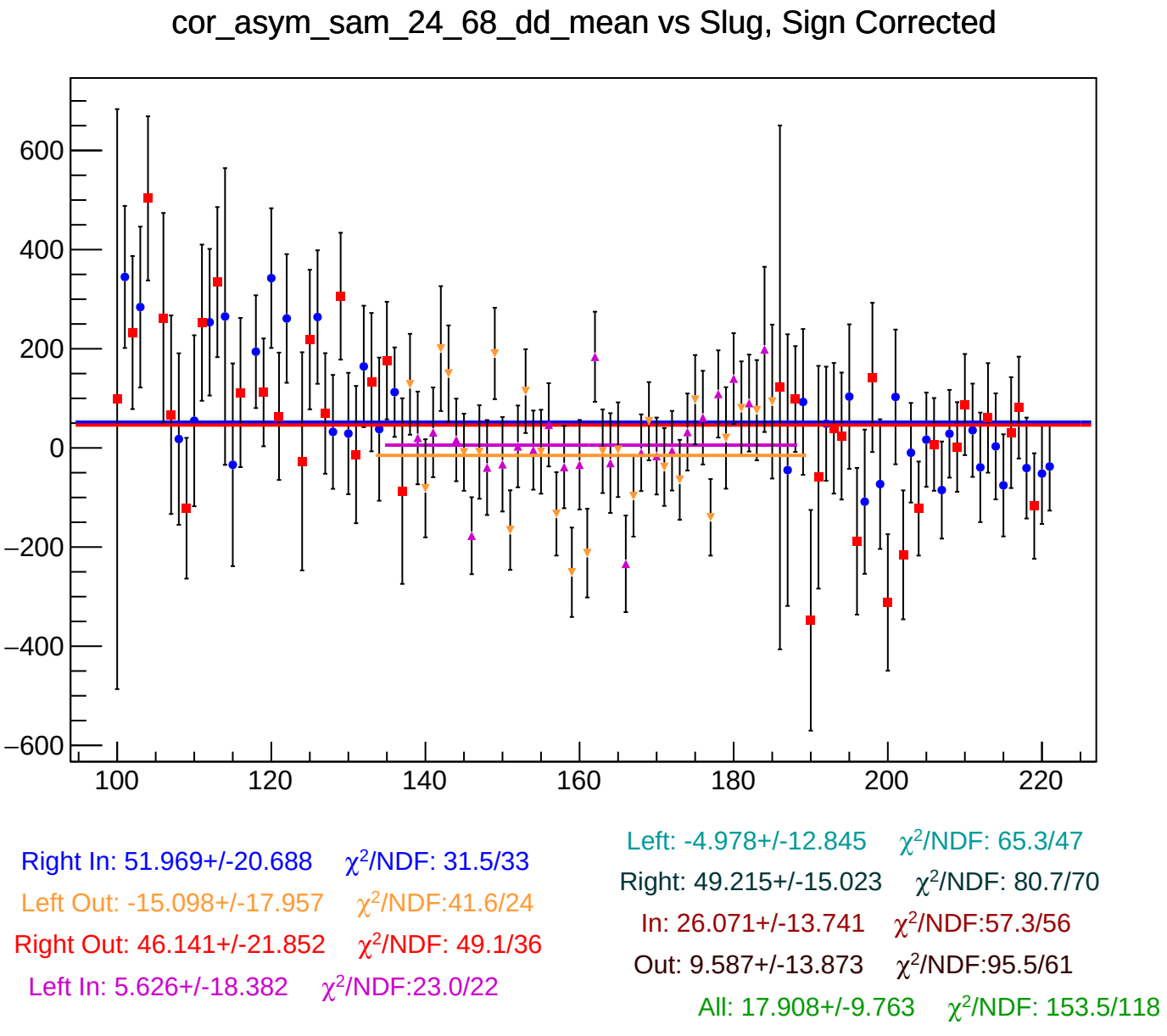
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

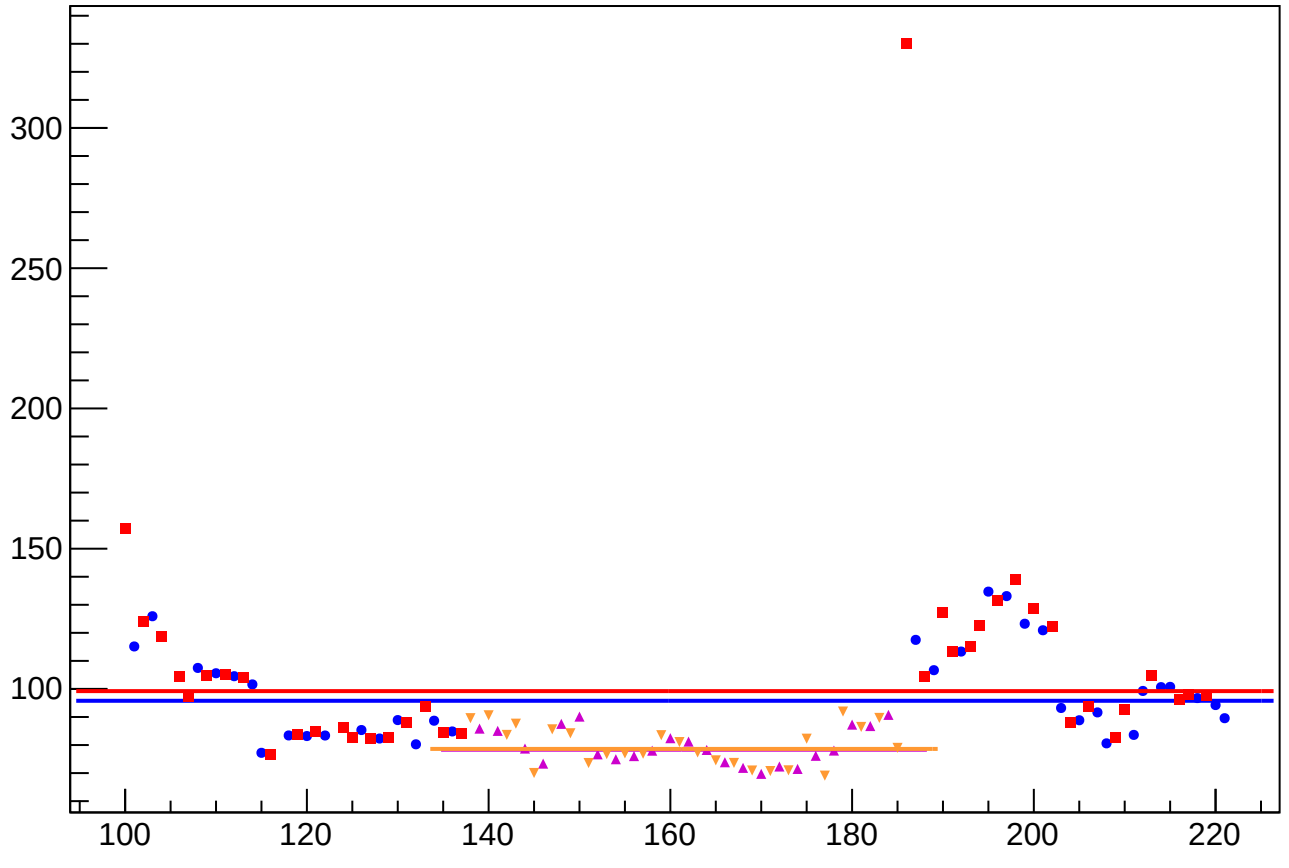
Right: 1891.661+/-0.213 χ^2/NDF: 7825269.2/70

In: 1059.087+/-0.130 χ^2/NDF:13600760.7/56

Out: 1042.416+/-0.128 χ^2/NDF:14582877.3/61

All: 1050.618+/-0.091 χ^2/NDF: 28192039.5/1


cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
100
120
140
160
180
200
220
Right In: 51.969+/-20.688 χ²/NDF: 31.5/33
Left Out: -15.098+/-17.957 χ²/NDF:41.6/24
Right Out: 46.141+/-21.852 χ²/NDF: 49.1/36
Left In: 5.626+/-18.382 χ²/NDF:23.0/22
Left: -4.978+/-12.845 χ²/NDF: 65.3/47
Right: 49.215+/-15.023 χ²/NDF: 80.7/70
In: 26.071+/-13.741 χ²/NDF:57.3/56
Out: 9.587+/-13.873 χ²/NDF:95.5/61
All: 17.908+/-9.763 χ²/NDF: 153.5/118



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: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

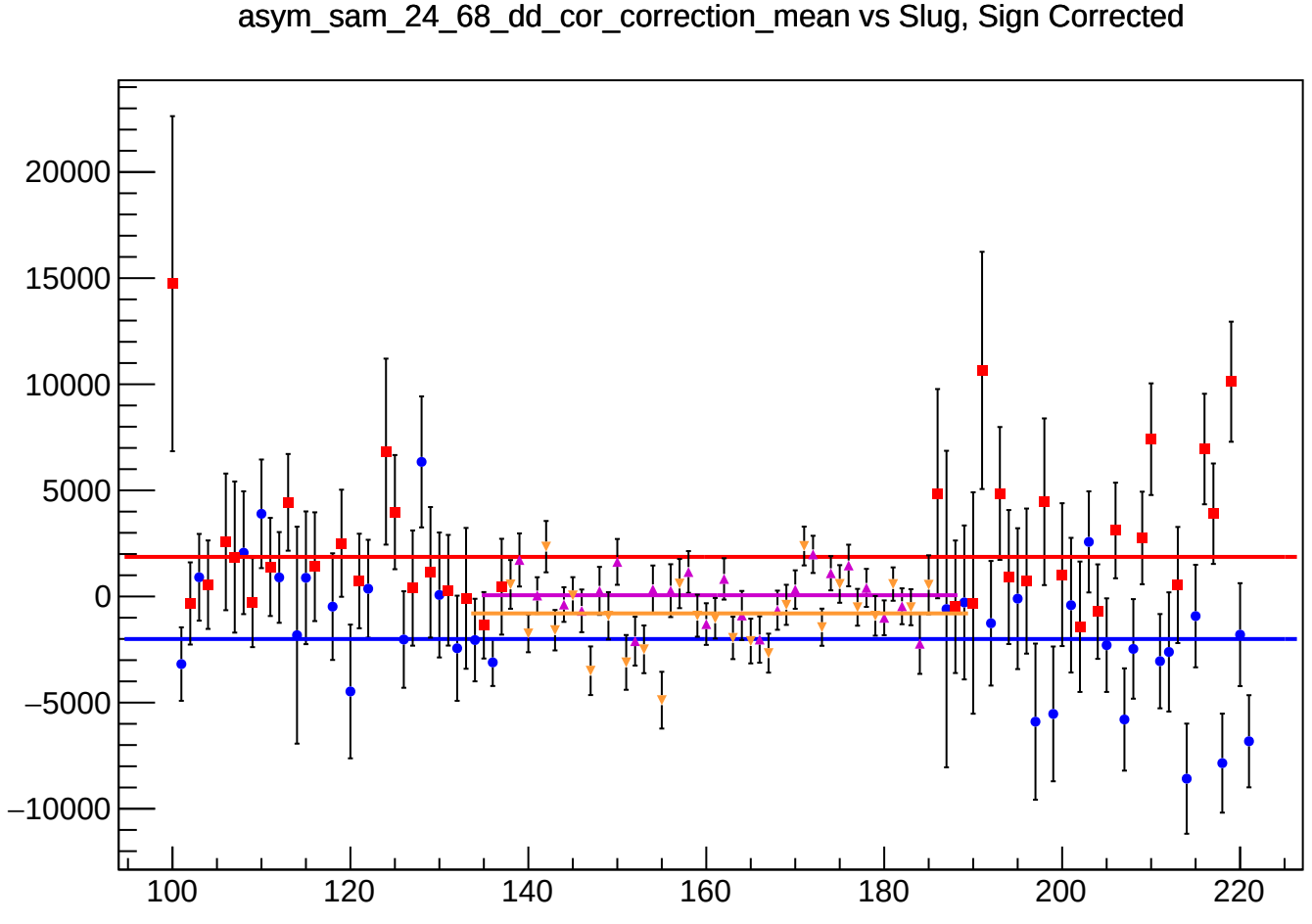
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.408+/-0.011 χ^2/NDF: 2384984.5/70

In: 86.030+/-0.010 χ^2/NDF:1948923.2/56

Out: 86.925+/-0.010 χ^2/NDF:2782563.1/61

All: 86.473+/-0.007 χ^2/NDF: 4735691.5/118



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: 1866.204+/-439.456 χ^2/NDF: 40.6/36

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

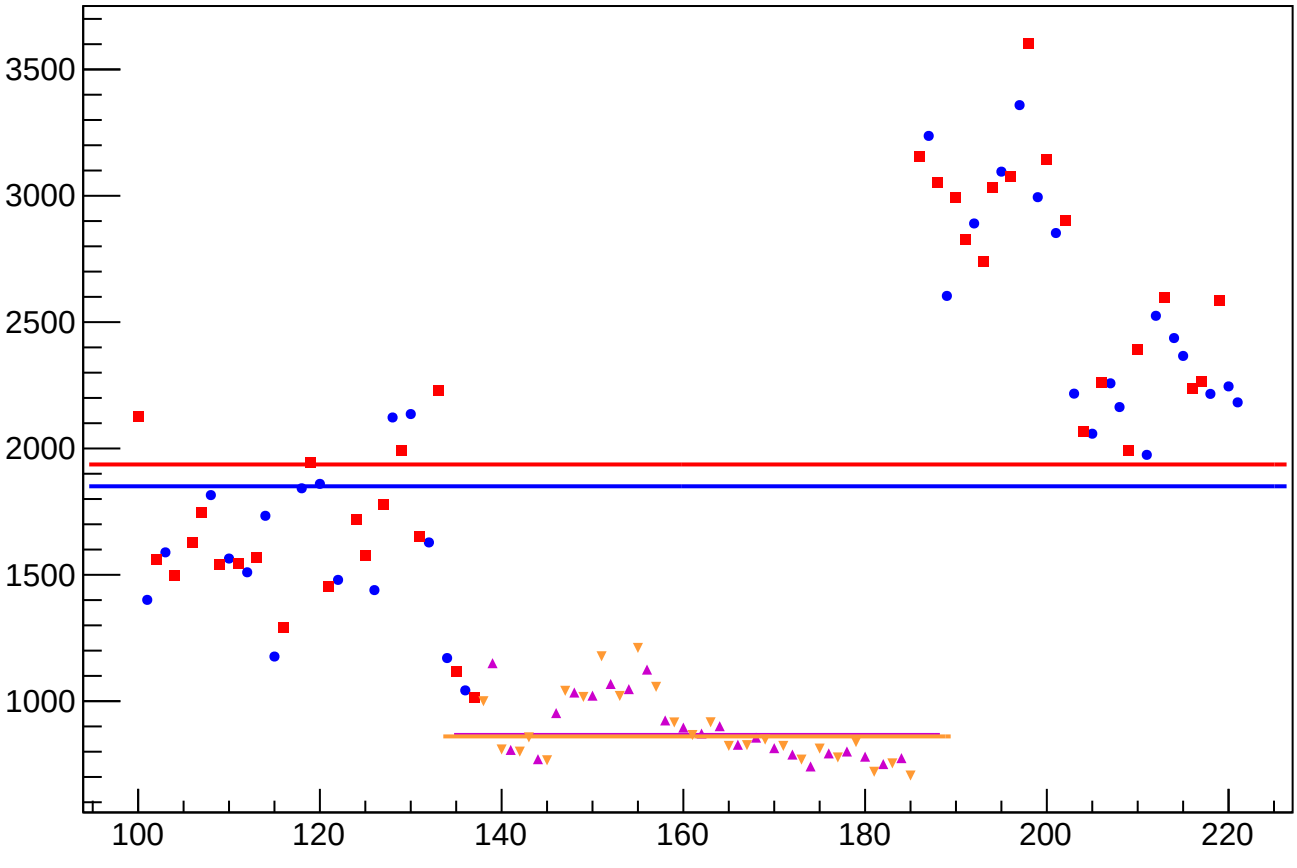
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -182.894+/-301.428 χ^2/NDF: 132.6/70

In: -344.579+/-183.326 χ^2/NDF:101.4/56

Out: -348.033+/-180.435 χ^2/NDF:130.6/61

All: -346.333+/-128.597 χ^2/NDF: 231.9/118



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: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

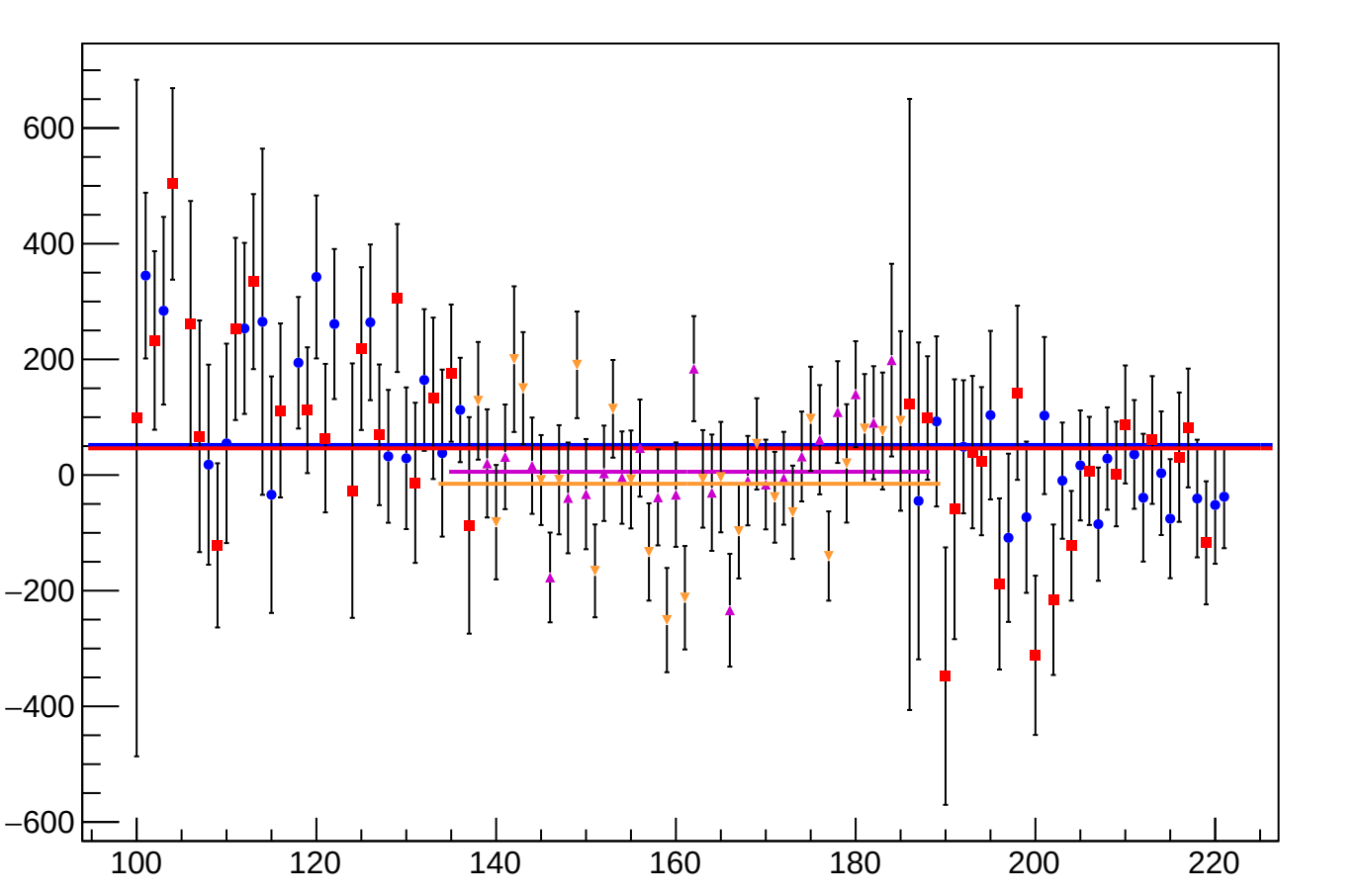
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1890.997+/-0.213 χ^2/NDF: 7832300.3/70

In: 1059.087+/-0.130 χ^2/NDF:13600773.4/56

Out: 1041.927+/-0.128 χ^2/NDF:14551938.6/61

All: 1050.370+/-0.091 χ^2/NDF: 28161613.5/1



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: 46.141+/-21.852 χ^2/NDF: 49.1/36

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

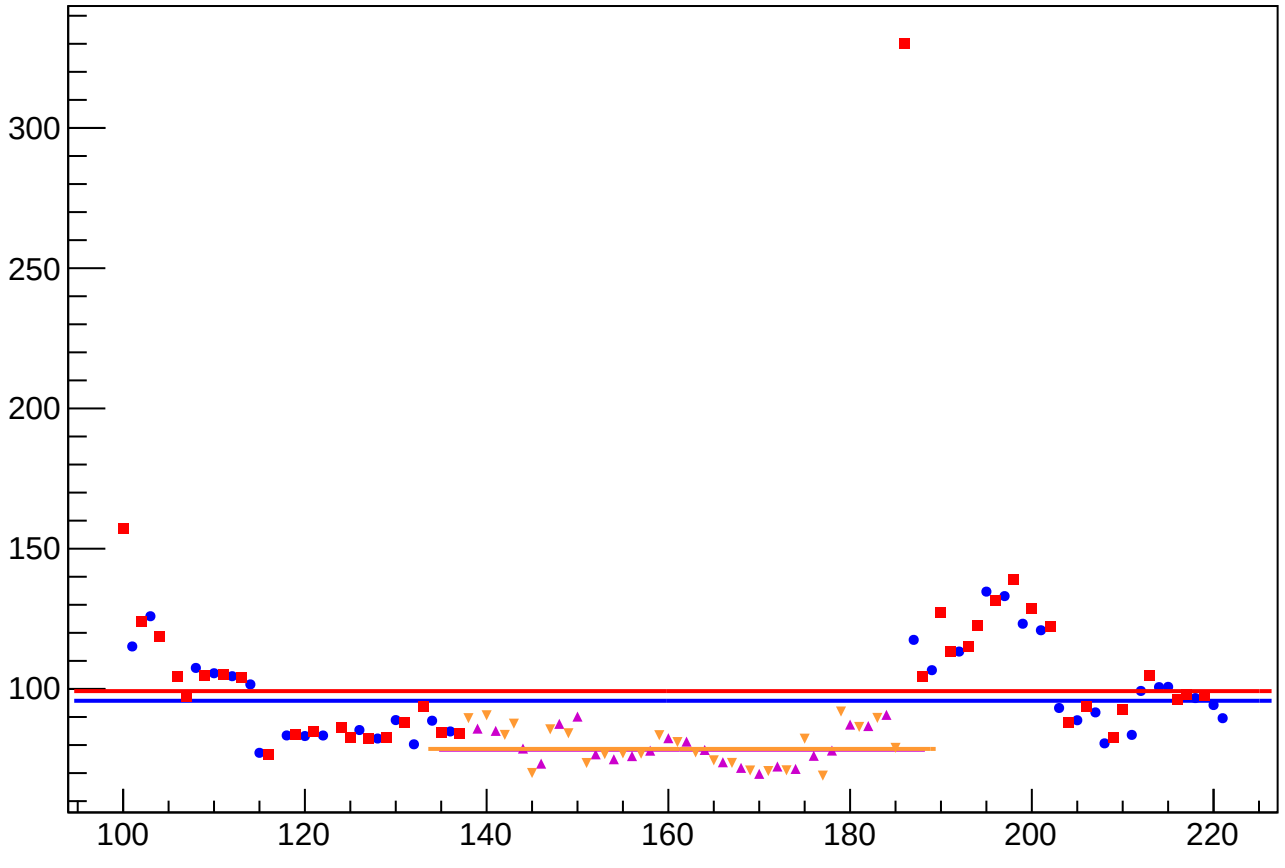
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 49.215+/-15.023 χ^2/NDF: 80.7/70

In: 26.071+/-13.741 χ^2/NDF:57.3/56

Out: 9.587+/-13.873 χ^2/NDF:95.5/61

All: 17.908+/-9.763 χ^2/NDF: 153.5/118



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: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

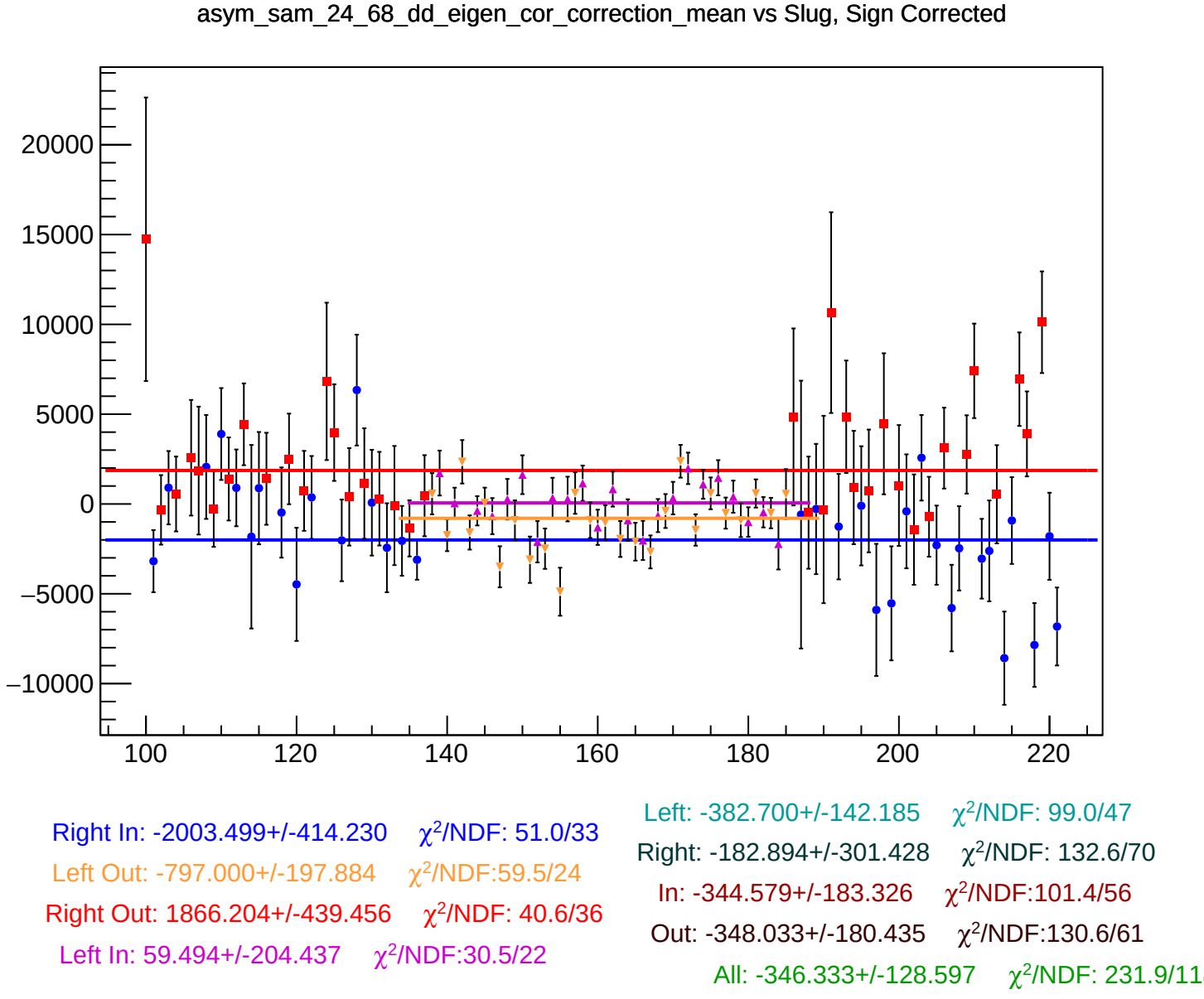
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

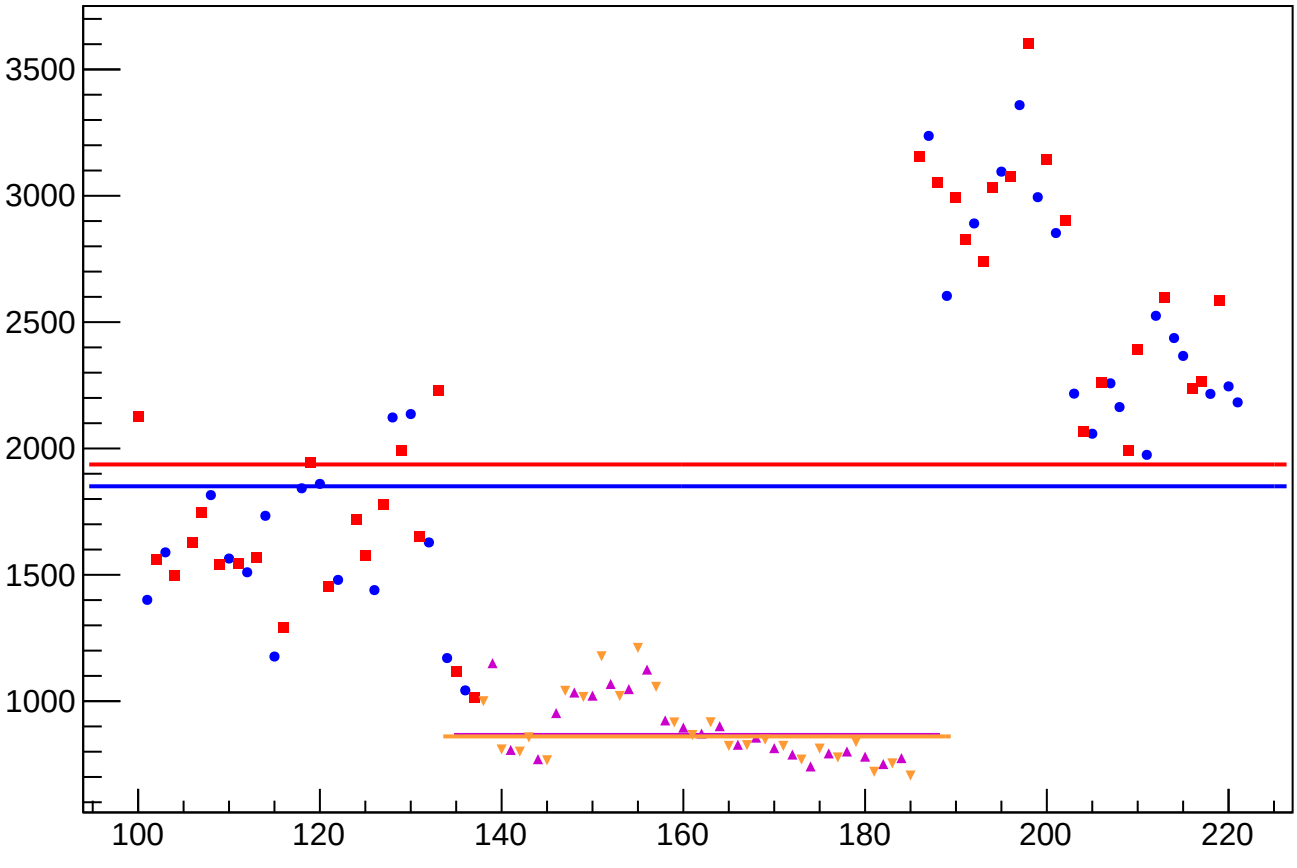
Right: 97.408+/-0.011 χ^2/NDF: 2384984.5/70

In: 86.030+/-0.010 χ^2/NDF:1948923.2/56

Out: 86.925+/-0.010 χ^2/NDF:2782563.1/61

All: 86.473+/-0.007 χ^2/NDF: 4735691.5/118


asym_sam_24_68_dd_eigen_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: 1866.204+/-439.456 χ²/NDF: 40.6/36
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -182.894+/-301.428 χ²/NDF: 132.6/70
In: -344.579+/-183.326 χ²/NDF:101.4/56
Out: -348.033+/-180.435 χ²/NDF:130.6/61
All: -346.333+/-128.597 χ²/NDF: 231.9/118



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: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

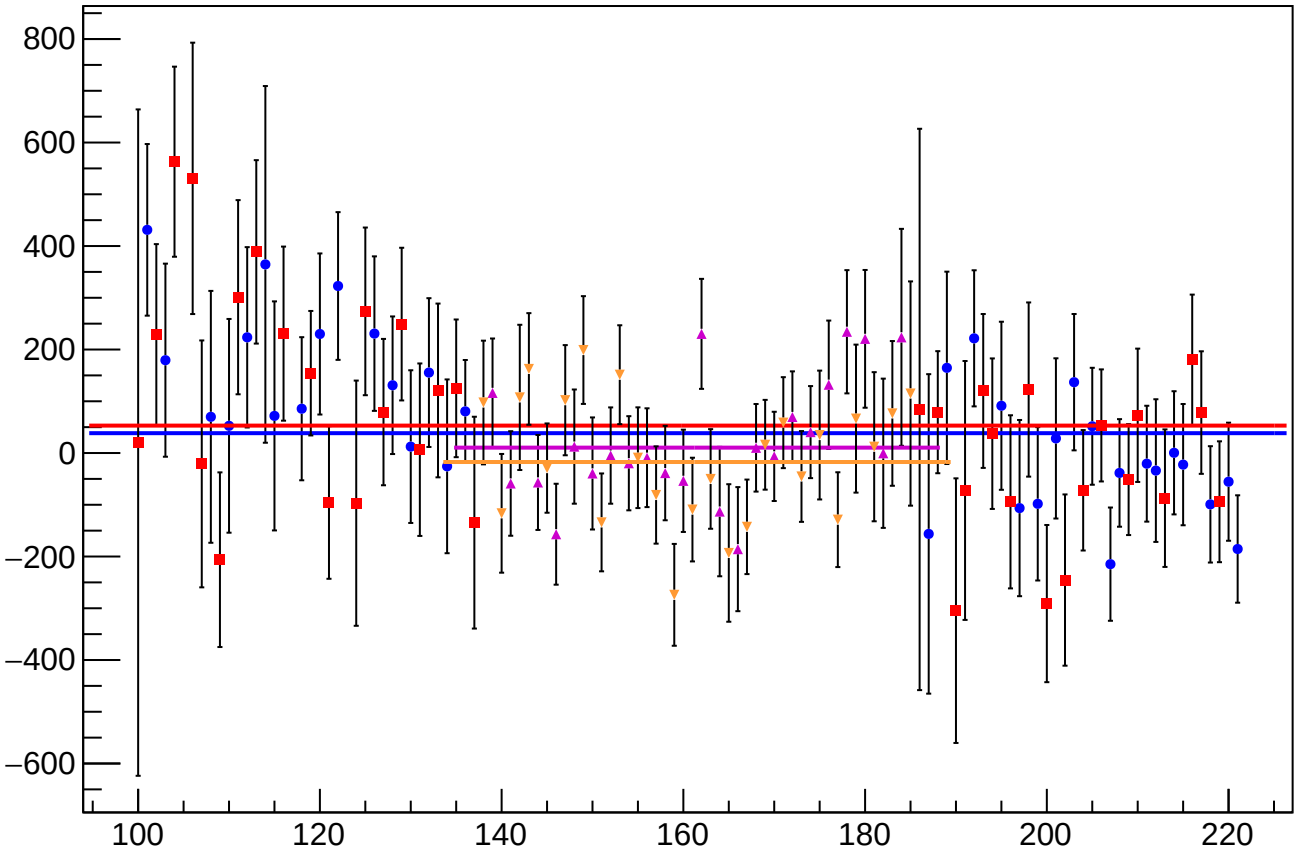
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1890.997+/-0.213 χ^2/NDF: 7832300.3/70

In: 1059.087+/-0.130 χ^2/NDF:13600773.4/56

Out: 1041.927+/-0.128 χ^2/NDF:14551938.6/61

All: 1050.370+/-0.091 χ^2/NDF: 28161613.5/1



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: 52.986+/-25.264 χ^2/NDF: 45.8/36

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

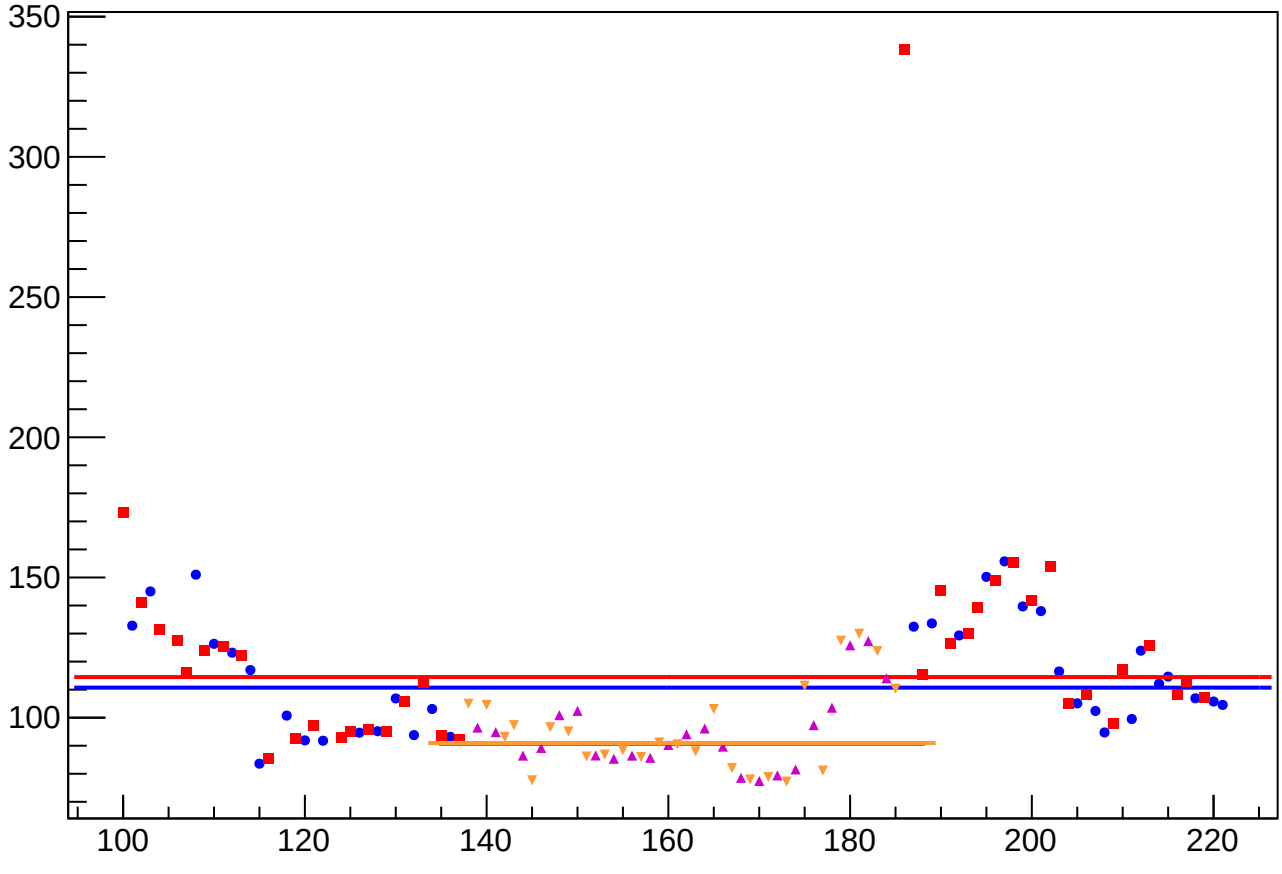
Right: 45.298+/-17.400 χ^2/NDF: 81.7/70

In: 22.858+/-16.015 χ^2/NDF:59.1/56

Out: 11.364+/-16.143 χ^2/NDF:81.6/61

All: 17.157+/-11.369 χ^2/NDF: 140.9/118

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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: 114.482+/-0.018 χ^2/NDF: 1377595.8/36

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

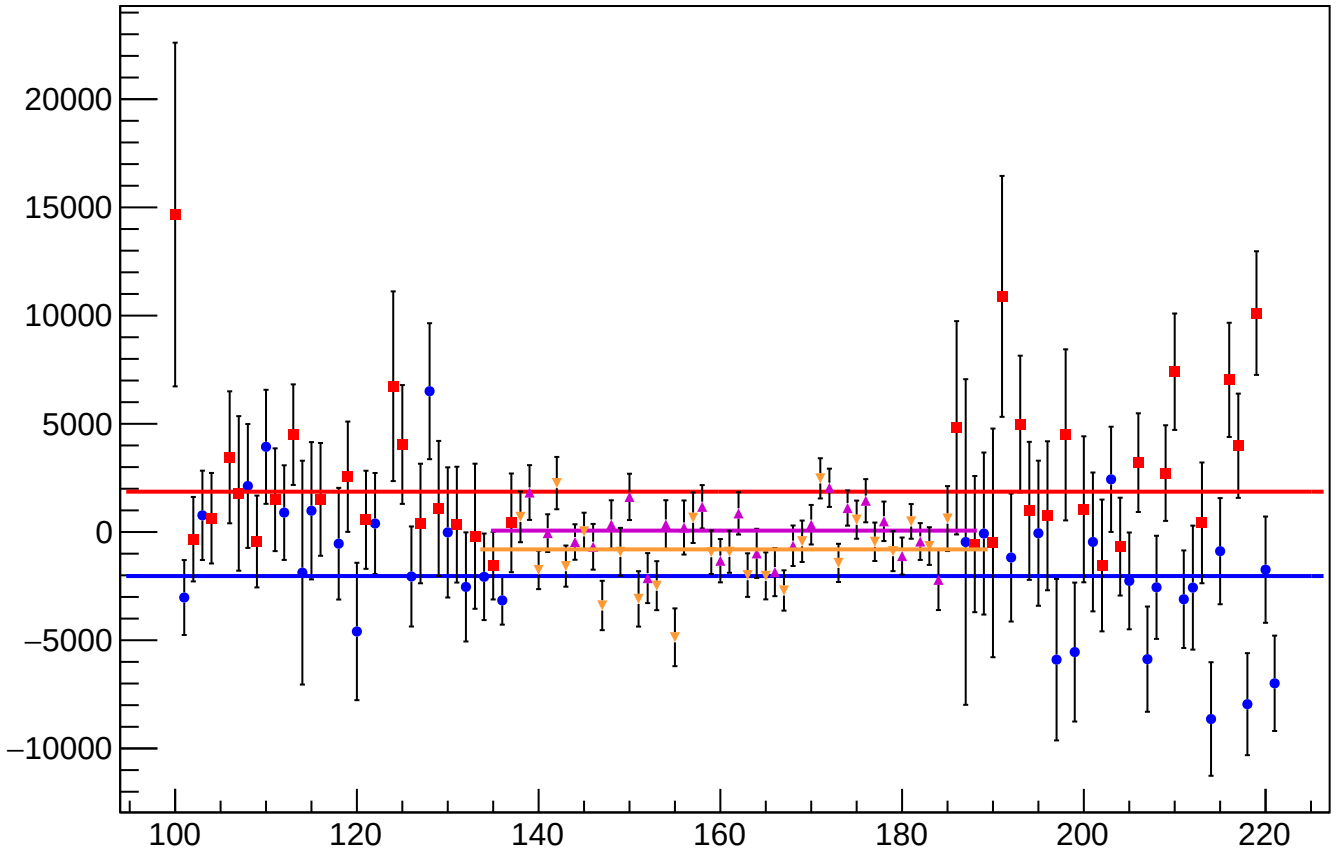
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 112.501+/-0.012 χ^2/NDF: 2431000.3/70

In: 99.607+/-0.011 χ^2/NDF:2348188.4/56

Out: 100.568+/-0.011 χ^2/NDF:3187349.6/61

All: 100.083+/-0.008 χ^2/NDF: 5539114.2/118



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: 1863.935+/-443.898 χ^2/NDF: 41.4/36

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

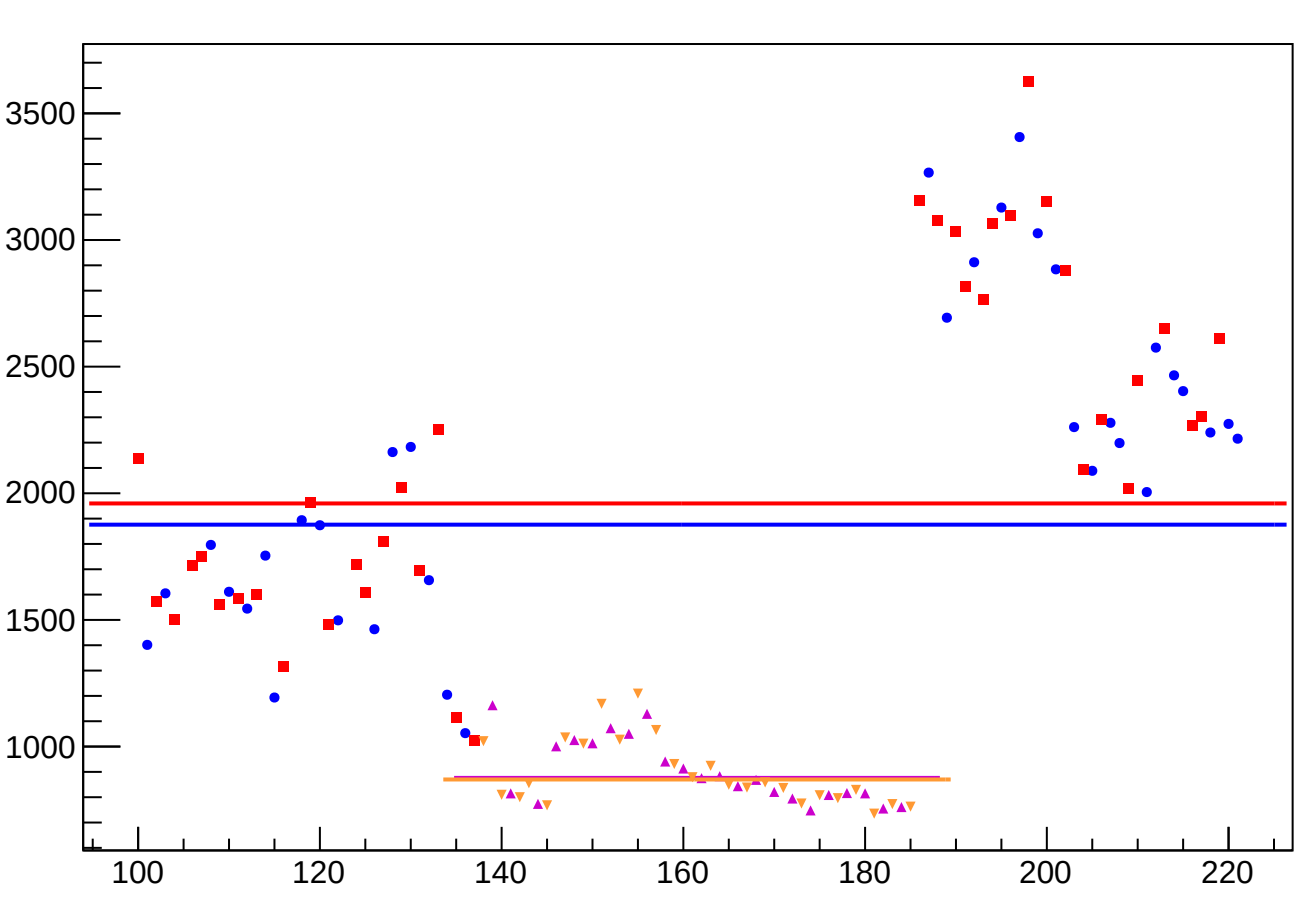
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -193.139+/-305.061 χ^2/NDF: 132.6/70

In: -344.140+/-185.436 χ^2/NDF:101.3/56

Out: -353.138+/-182.233 χ^2/NDF:129.8/61

All: -348.717+/-129.976 χ^2/NDF: 231.1/118



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: 1959.867+/-0.314 χ^2/NDF: 3861827.9/36

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

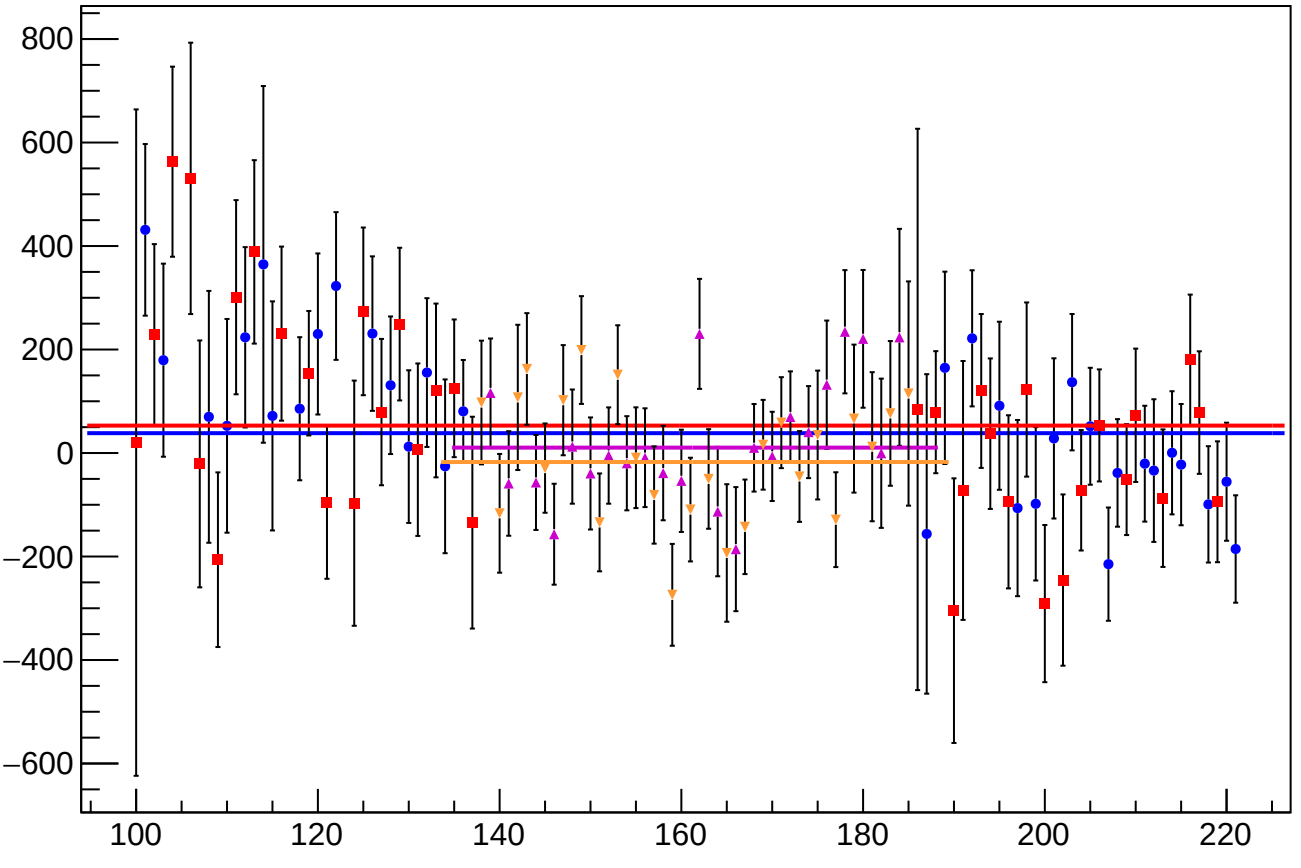
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1915.668+/-0.216 χ^2/NDF: 7822933.0/70

In: 1071.230+/-0.131 χ^2/NDF:13647403.5/56

Out: 1053.688+/-0.129 χ^2/NDF:14533267.7/61

All: 1062.306+/-0.092 χ^2/NDF: 28189775.7/1



Right In: 38.365+/-23.999 χ^2/NDF: 35.7/33

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 52.983+/-25.264 χ^2/NDF: 45.8/36

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

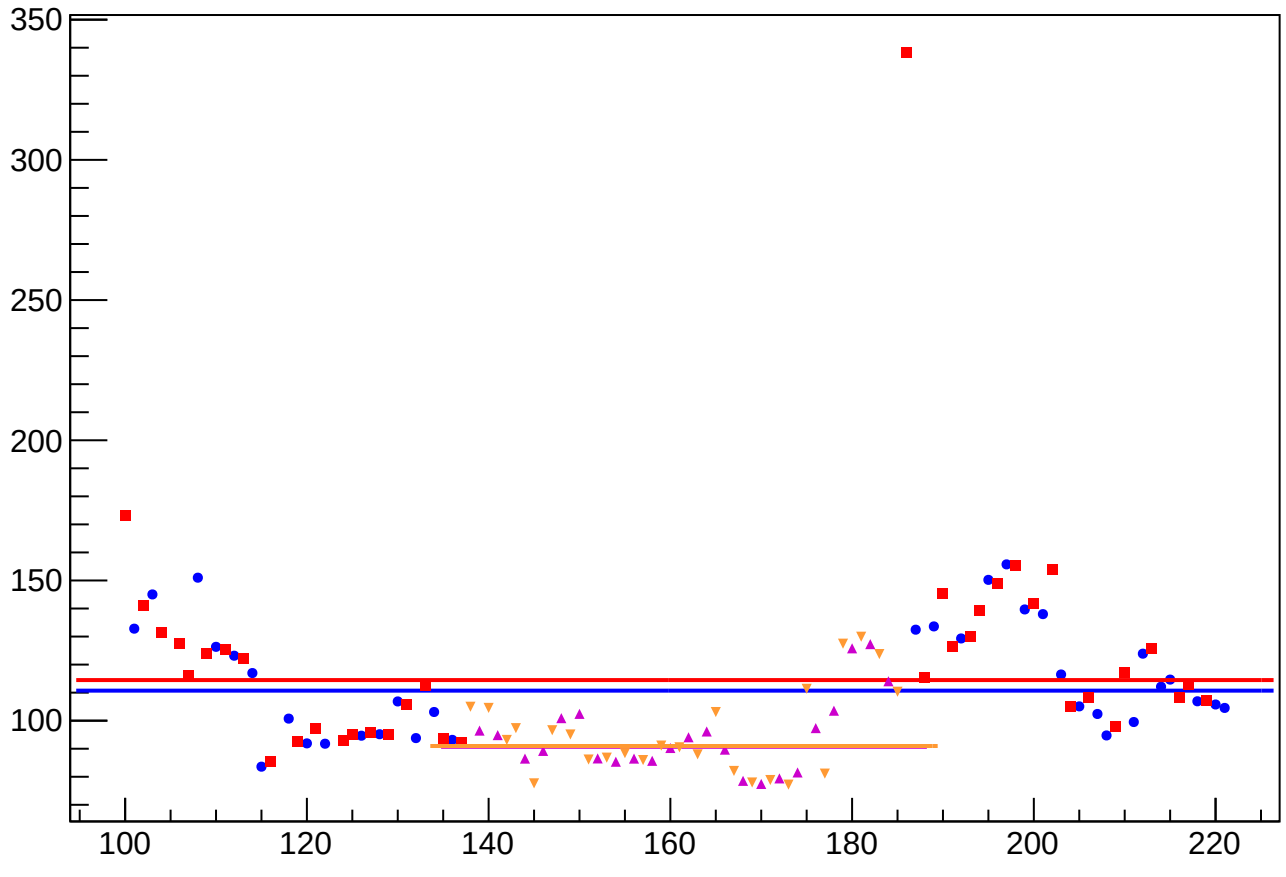
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 45.299+/-17.400 χ^2/NDF: 81.7/70

In: 22.860+/-16.015 χ^2/NDF:59.1/56

Out: 11.363+/-16.143 χ^2/NDF:81.6/61

All: 17.158+/-11.369 χ^2/NDF: 140.9/118



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: 114.482+/-0.018 χ^2/NDF: 1377614.9/36

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

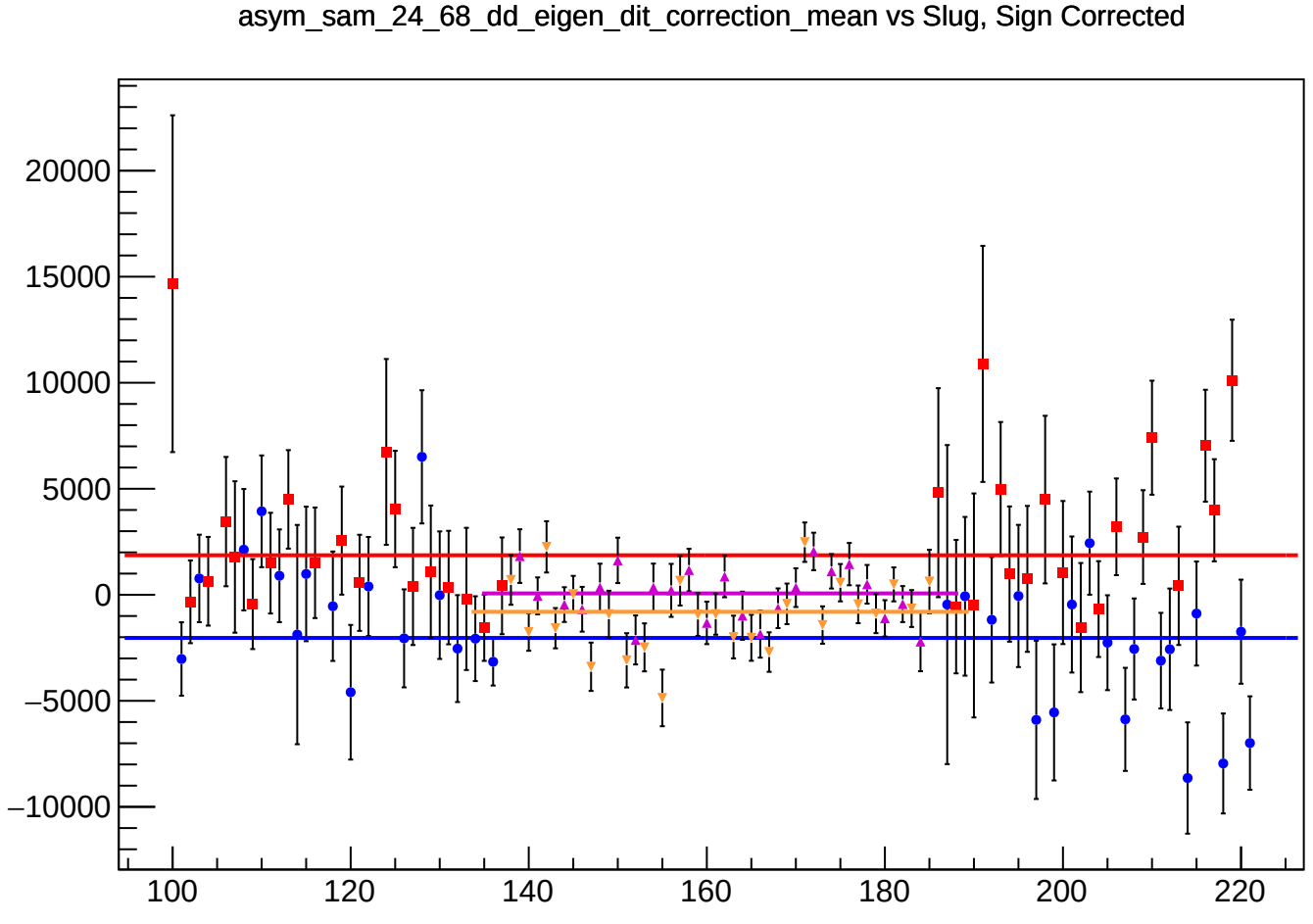
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

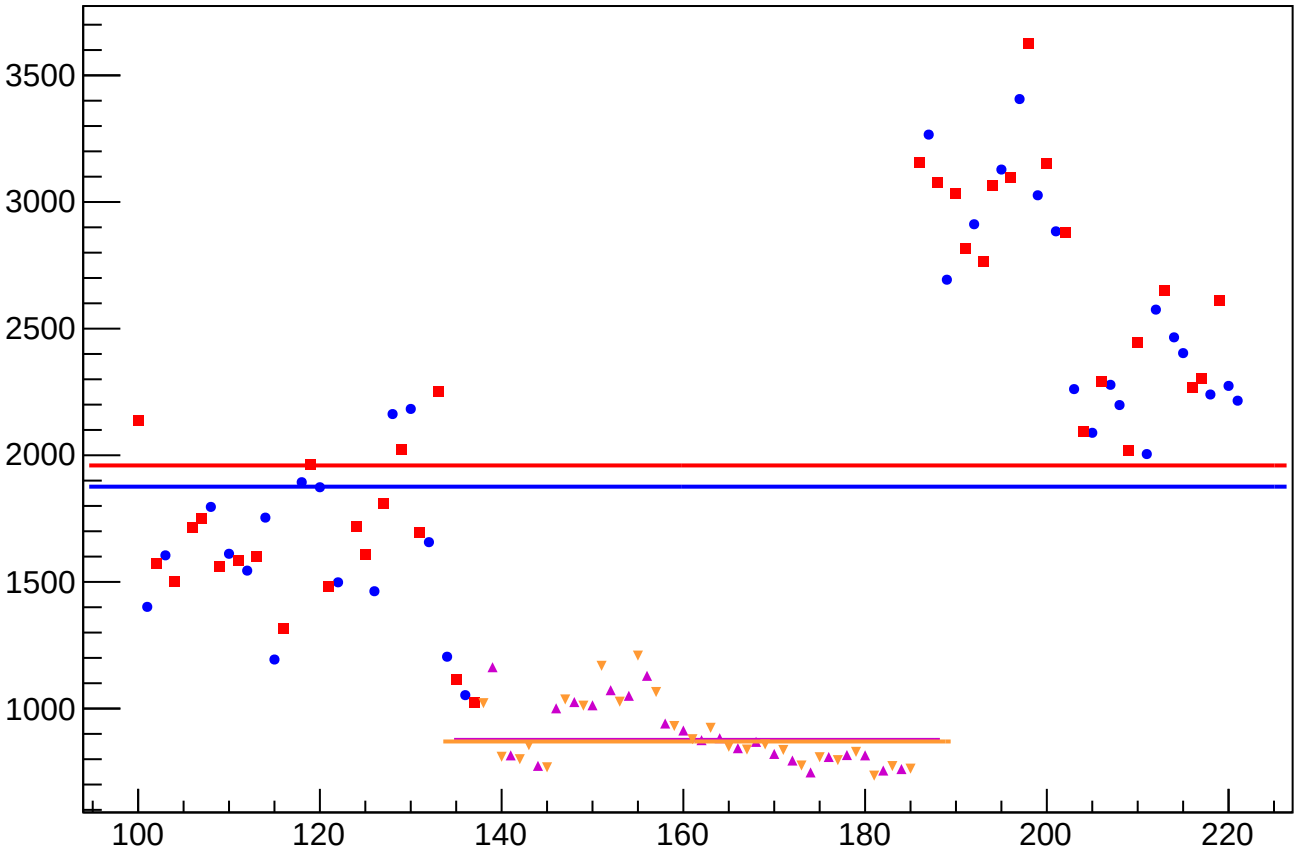
Right: 112.500+/-0.012 χ^2/NDF: 2431037.7/70

In: 99.606+/-0.011 χ^2/NDF:2348157.2/56

Out: 100.568+/-0.011 χ^2/NDF:3187333.7/61

All: 100.083+/-0.008 χ^2/NDF: 5539068.4/118


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -2034.171+/-419.941 χ²/NDF: 50.5/33
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1863.931+/-443.897 χ²/NDF: 41.4/36
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -193.138+/-305.061 χ²/NDF: 132.6/70
In: -344.139+/-185.436 χ²/NDF:101.3/56
Out: -353.138+/-182.233 χ²/NDF:129.8/61
All: -348.717+/-129.976 χ²/NDF: 231.1/118



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: 1959.864+/-0.314 χ^2/NDF: 3861842.1/36

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

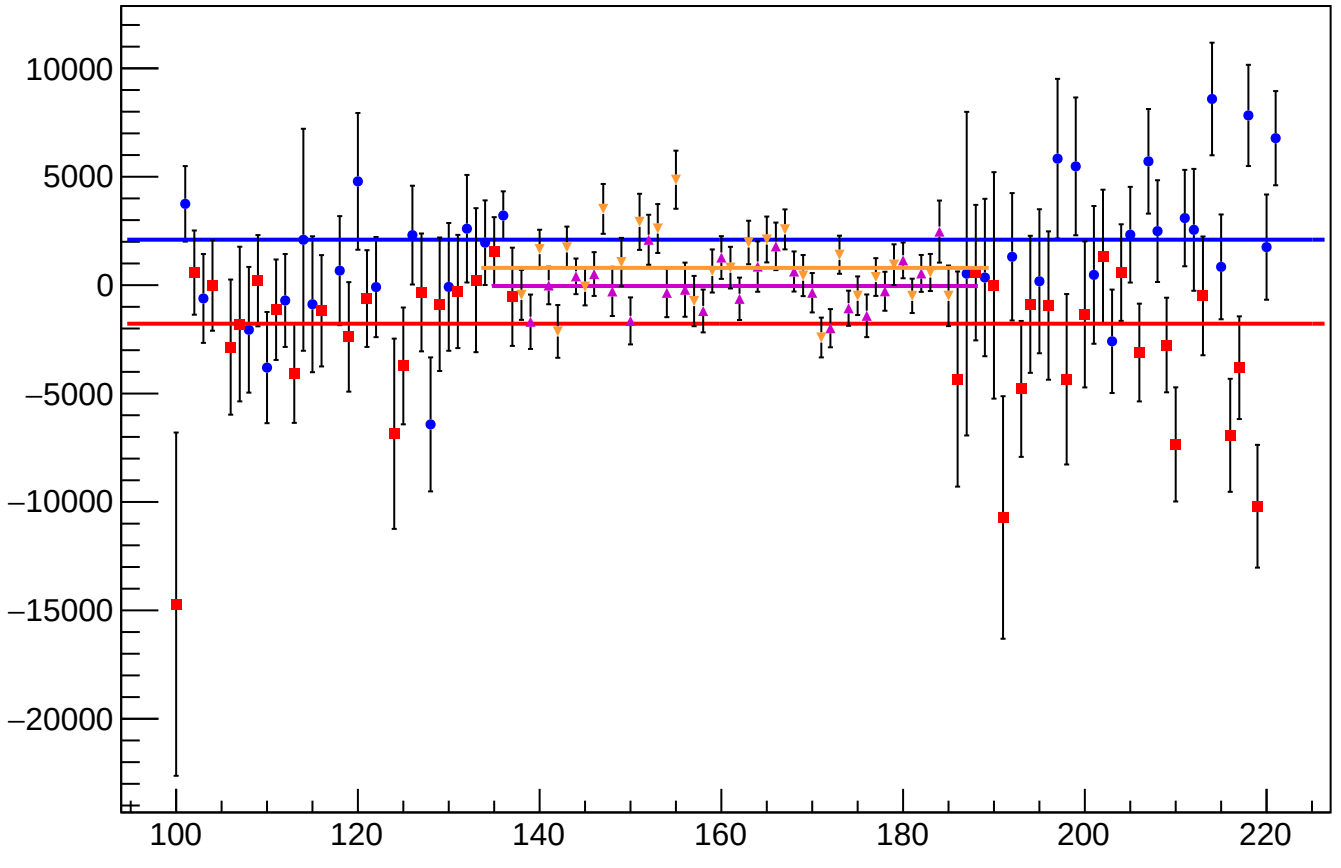
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1915.665+/-0.216 χ^2/NDF: 7822956.7/70

In: 1071.229+/-0.131 χ^2/NDF:13647402.8/56

Out: 1053.687+/-0.129 χ^2/NDF:14533268.6/61

All: 1062.305+/-0.092 χ^2/NDF: 28189775.9/1



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: -1777.859+/-439.914 χ^2/NDF: 40.9/36

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

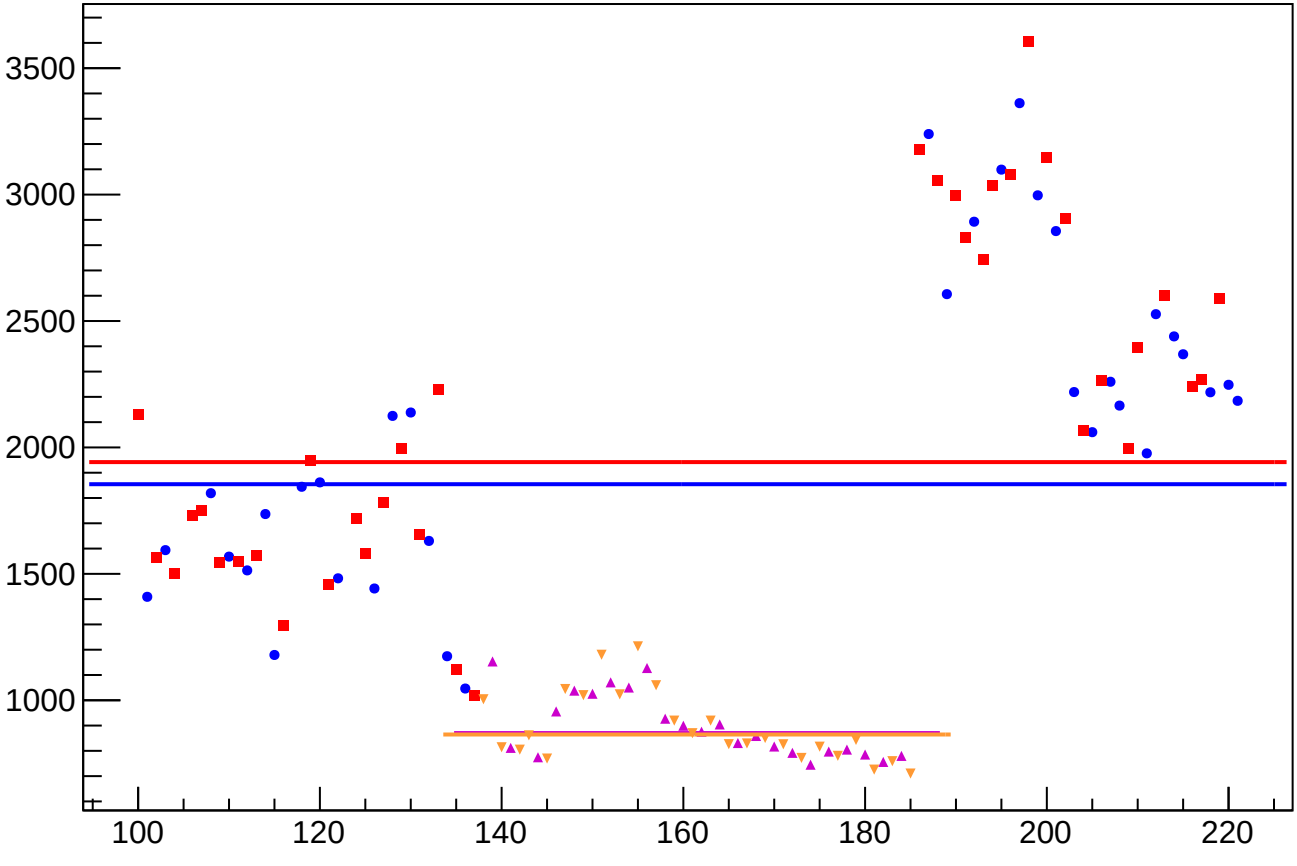
Right: 272.245+/-301.888 χ^2/NDF: 132.4/70

In: 380.471+/-184.053 χ^2/NDF:101.5/56

Out: 359.739+/-181.162 χ^2/NDF:126.6/61

All: 369.941+/-129.111 χ^2/NDF: 228.0/118

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: 1942.032+/-0.311 χ^2/NDF: 3854609.0/36

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

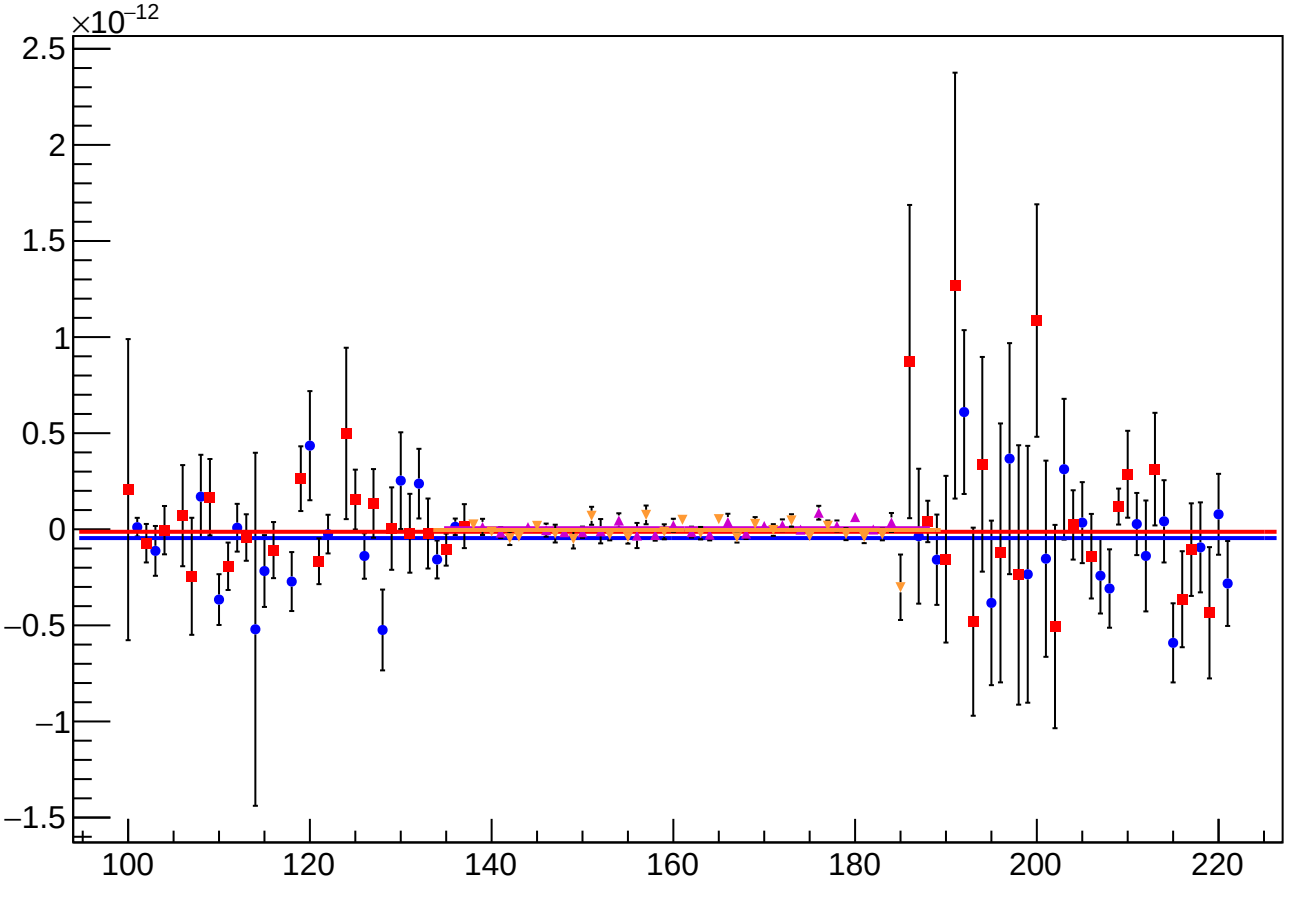
Right: 1895.770+/-0.213 χ^2/NDF: 7782891.0/70

In: 1063.906+/-0.130 χ^2/NDF:13526696.2/56

Out: 1047.351+/-0.128 χ^2/NDF:14505340.3/61

All: 1055.498+/-0.091 χ^2/NDF: 28040254.3/1

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 30.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

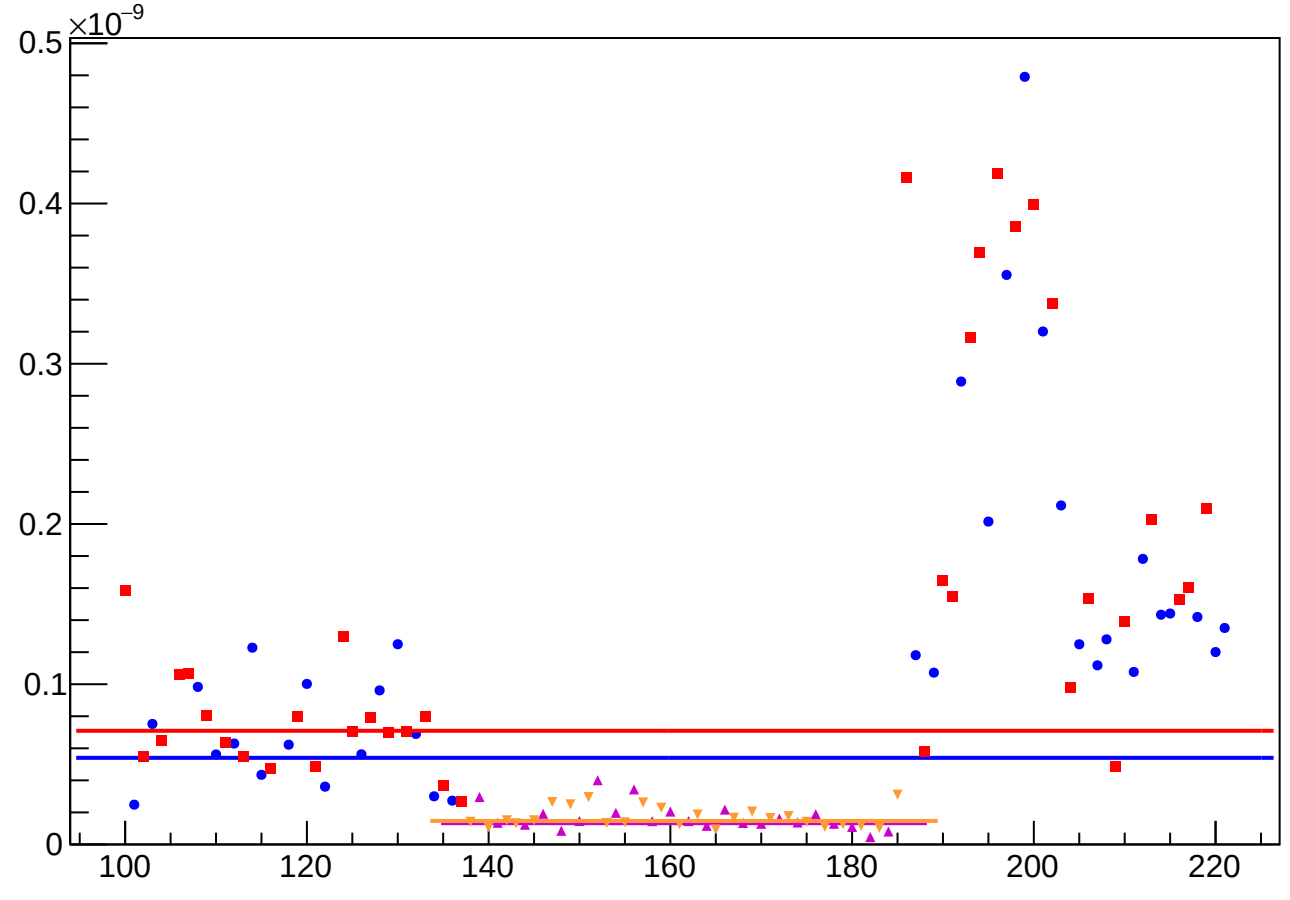
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 75.8/70

In: 0.000+/-0.000 χ^2/NDF:69.5/56

Out: -0.000+/-0.000 χ^2/NDF:69.7/61

All: -0.000+/-0.000 χ^2/NDF: 139.8/118



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: 6480825.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

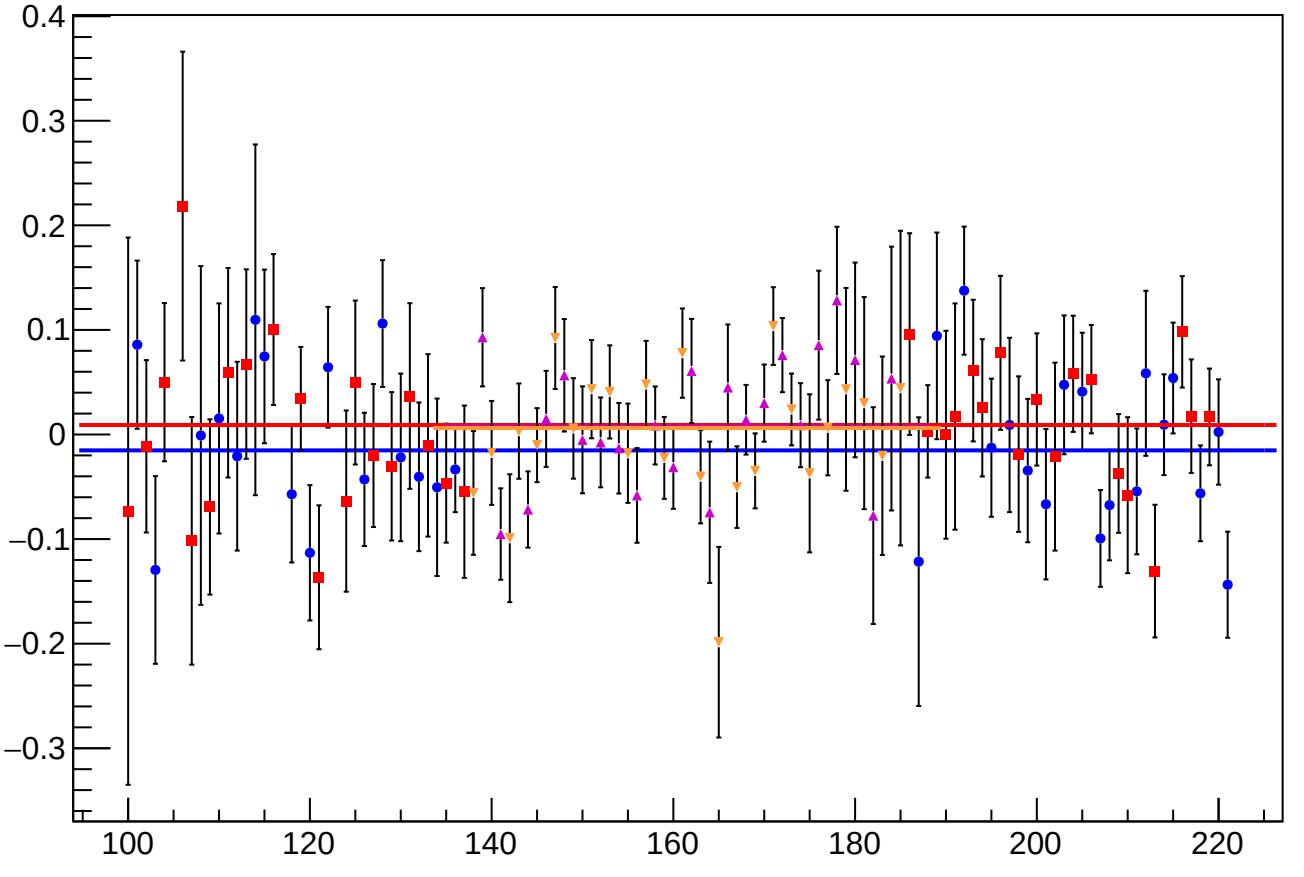
Right: 0.000+/-0.000 χ^2/NDF: 15027032.4/70

In: 0.000+/-0.000 χ^2/NDF:15945442.8/56

Out: 0.000+/-0.000 χ^2/NDF:14994066.3/61

All: 0.000+/-0.000 χ^2/NDF: 30981181.0/118

asym_sam_24_68_dd_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: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

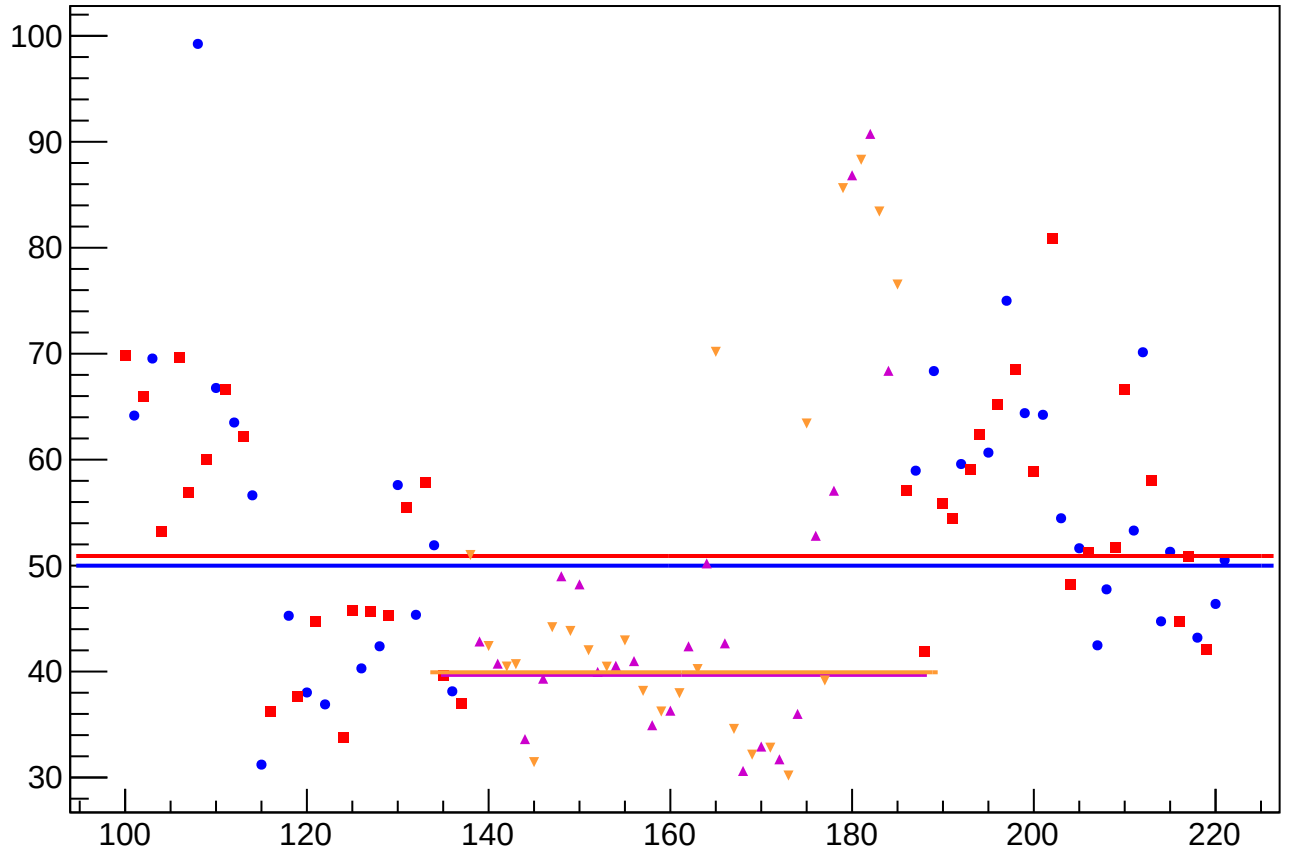
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.003+/-0.008 χ^2/NDF: 70.0/70

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.002+/-0.005 χ^2/NDF: 132.2/118



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: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

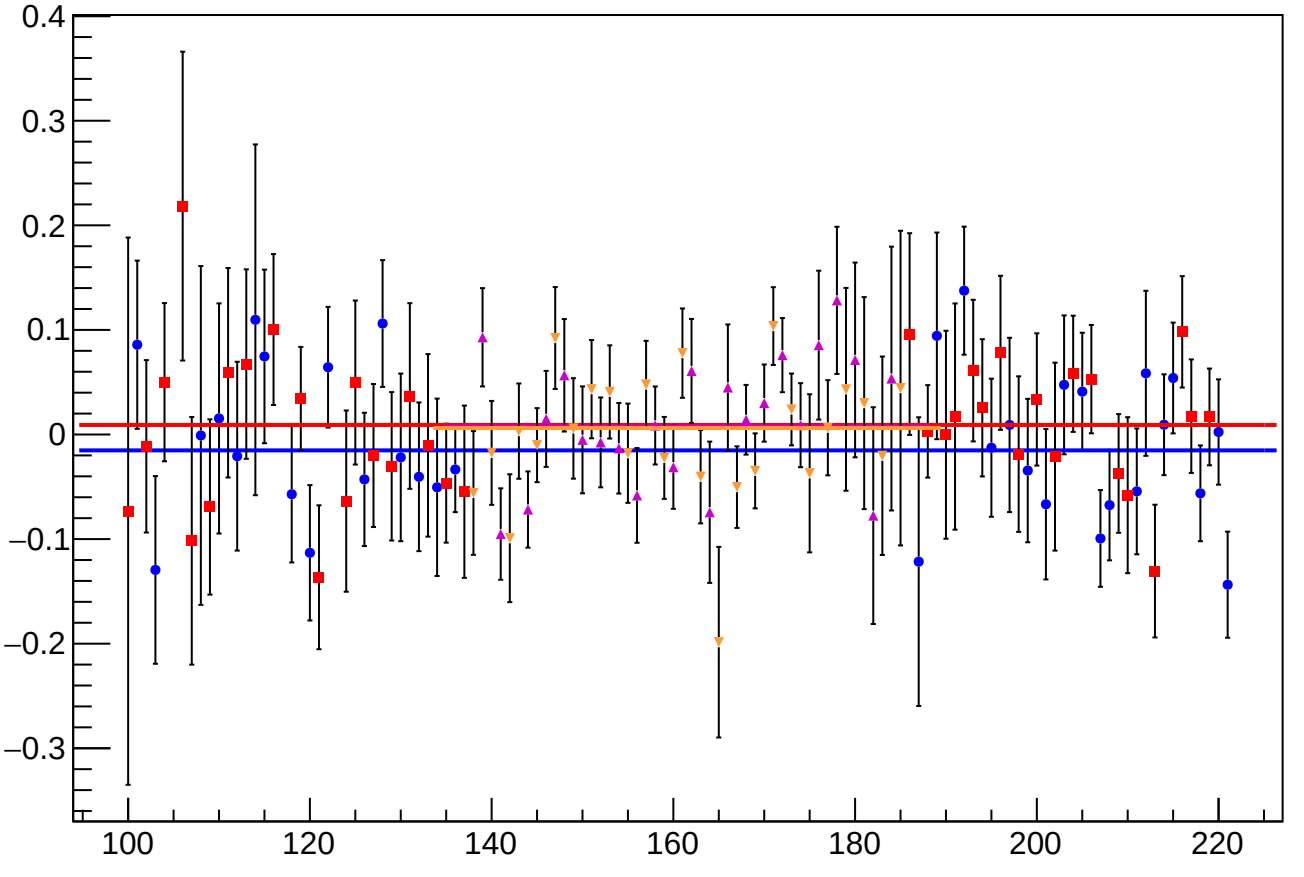
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.435+/-0.006 χ^2/NDF: 3385886.5/70

In: 44.196+/-0.005 χ^2/NDF:4692501.8/56

Out: 44.452+/-0.005 χ^2/NDF:5134574.4/61

All: 44.323+/-0.004 χ^2/NDF: 9828295.2/118



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: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

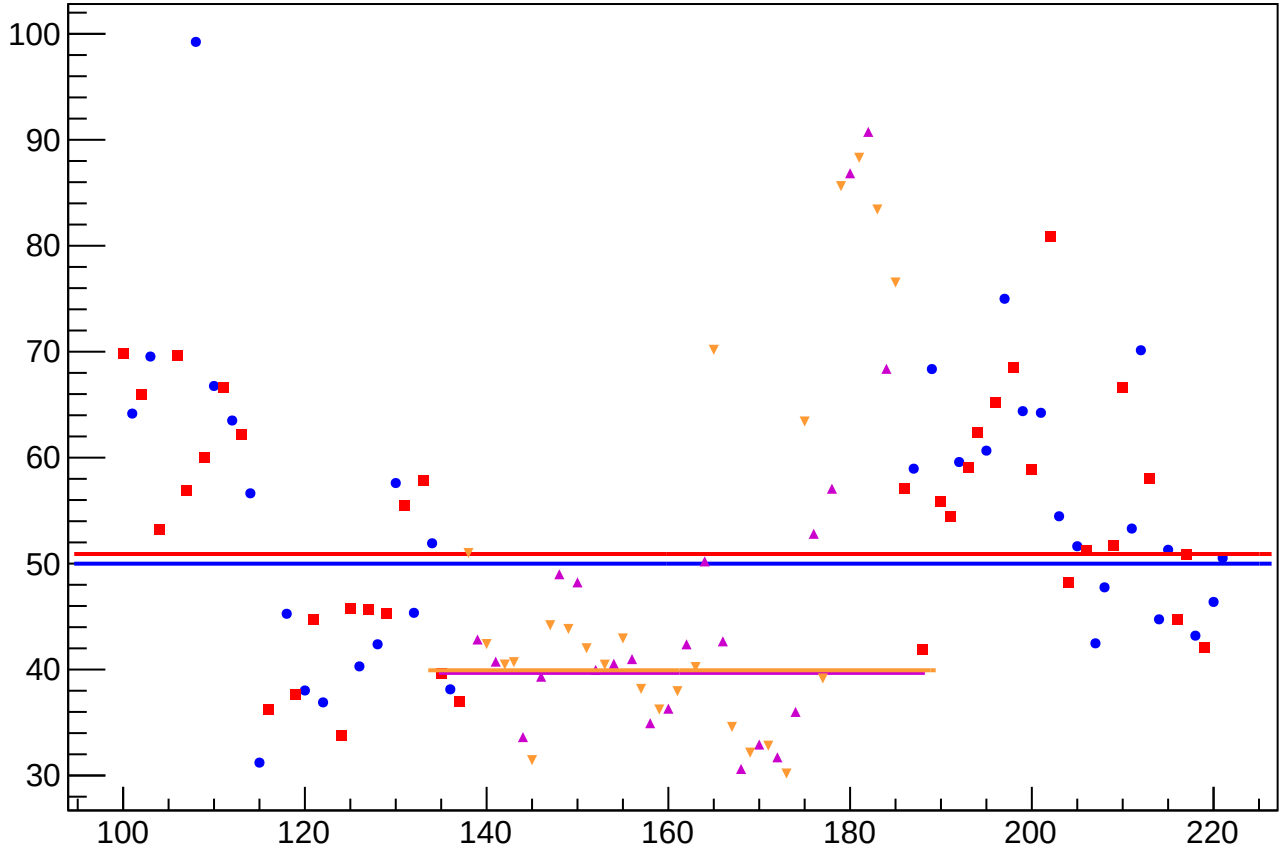
Right: -0.003+/-0.008 χ^2/NDF: 70.0/70

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.002+/-0.005 χ^2/NDF: 132.2/118

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: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

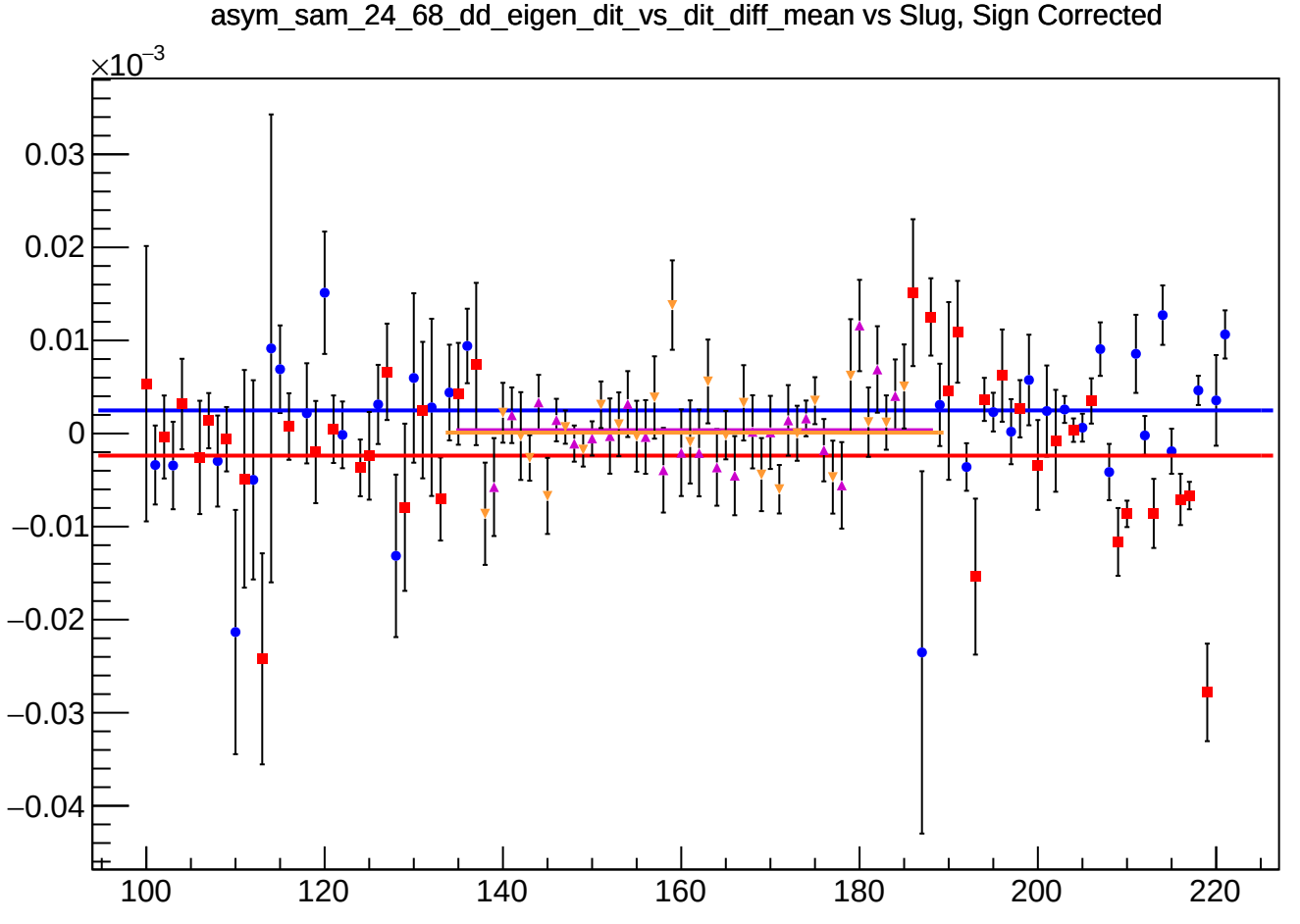
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.435+/-0.006 χ^2/NDF: 3385886.5/70

In: 44.196+/-0.005 χ^2/NDF:4692501.8/56

Out: 44.452+/-0.005 χ^2/NDF:5134574.4/61

All: 44.323+/-0.004 χ^2/NDF: 9828295.2/118



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: 130.2/36

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

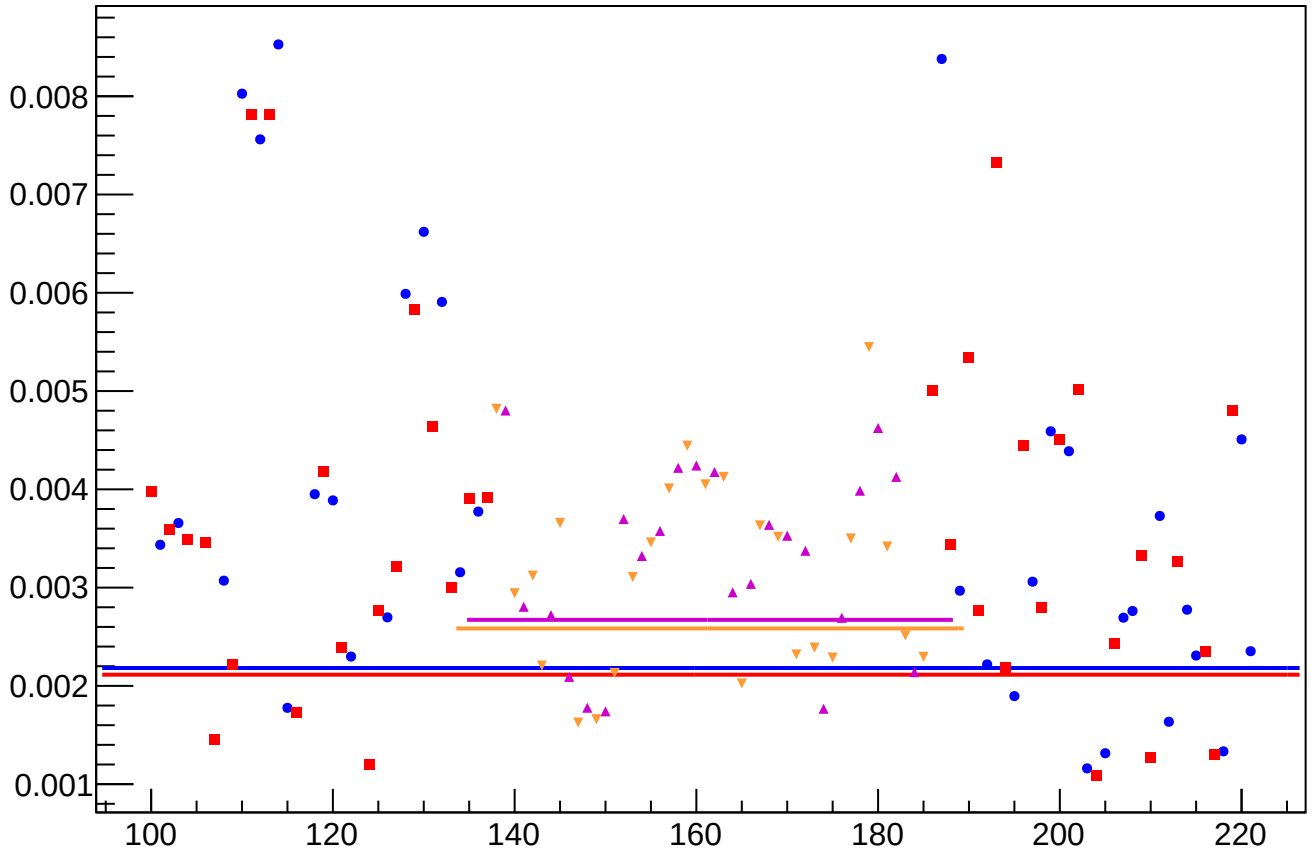
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 240.2/70

In: 0.000+/-0.000 χ^2/NDF:94.2/56

Out: -0.000+/-0.000 χ^2/NDF:172.4/61

All: 0.000+/-0.000 χ^2/NDF: 292.2/118



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: 9929386.7/36

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

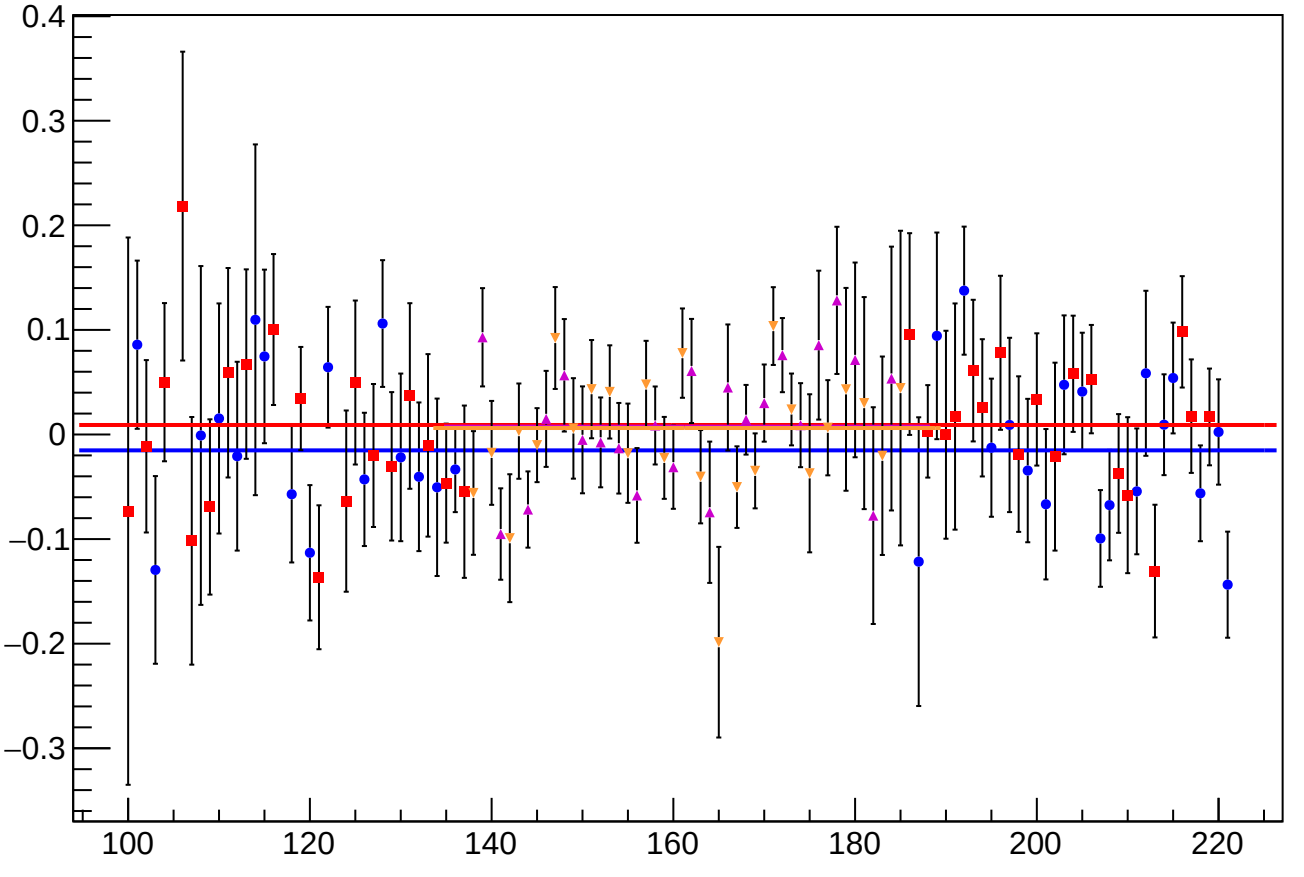
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.002+/-0.000 χ^2/NDF: 18023933.5/70

In: 0.002+/-0.000 χ^2/NDF:12554360.4/56

Out: 0.002+/-0.000 χ^2/NDF:14471774.5/61

All: 0.002+/-0.000 χ^2/NDF: 27048026.0/118



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: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

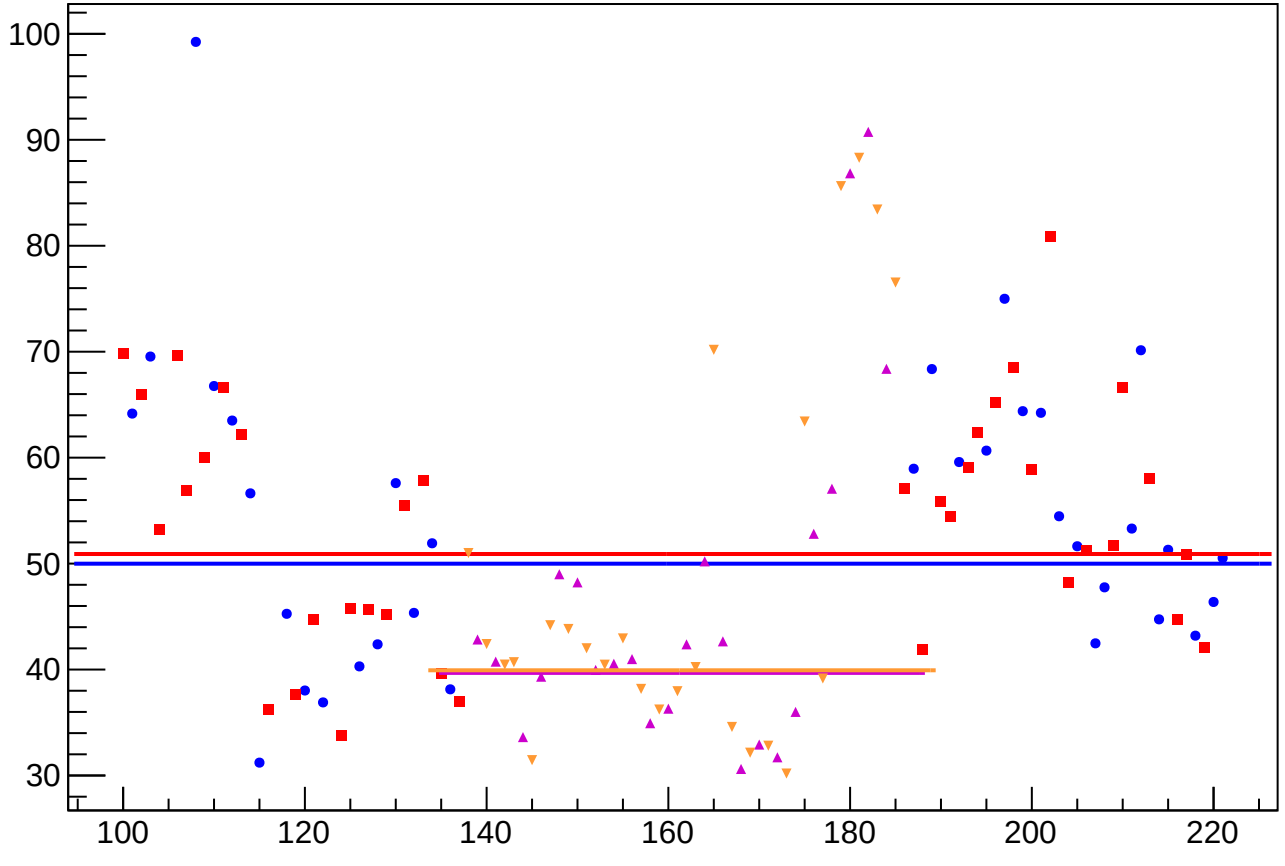
Right: -0.003+/-0.008 χ^2/NDF: 70.0/70

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.002+/-0.005 χ^2/NDF: 132.2/118

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: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

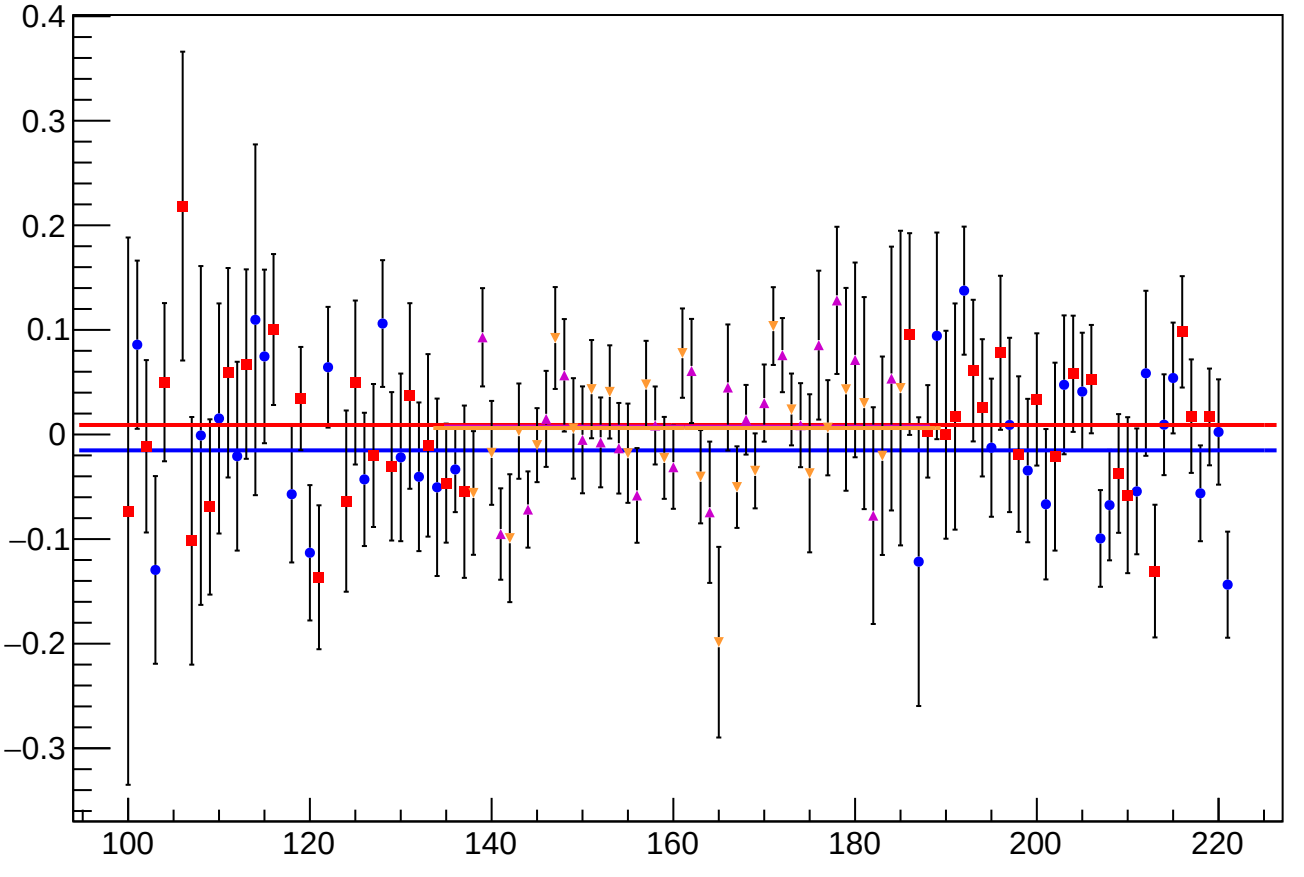
Right: 50.434+/-0.006 χ^2/NDF: 3386047.3/70

In: 44.195+/-0.005 χ^2/NDF:4692453.3/56

Out: 44.451+/-0.005 χ^2/NDF:5134531.2/61

All: 44.323+/-0.004 χ^2/NDF: 9828207.0/118

asym_sam_24_68_dd_eigen_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: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

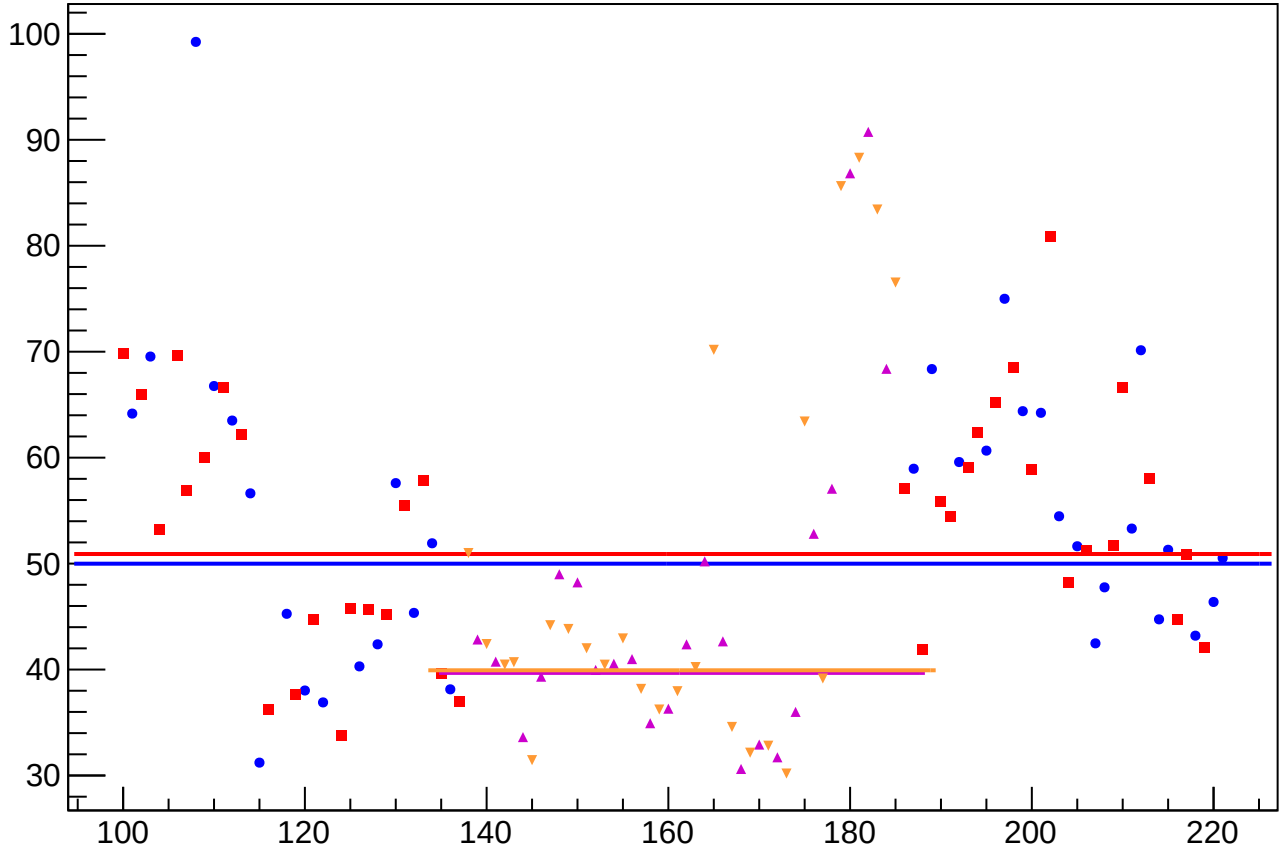
Right: -0.003+/-0.008 χ^2/NDF: 70.0/70

In: -0.002+/-0.007 χ^2/NDF:72.6/56

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.002+/-0.005 χ^2/NDF: 132.2/118

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: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

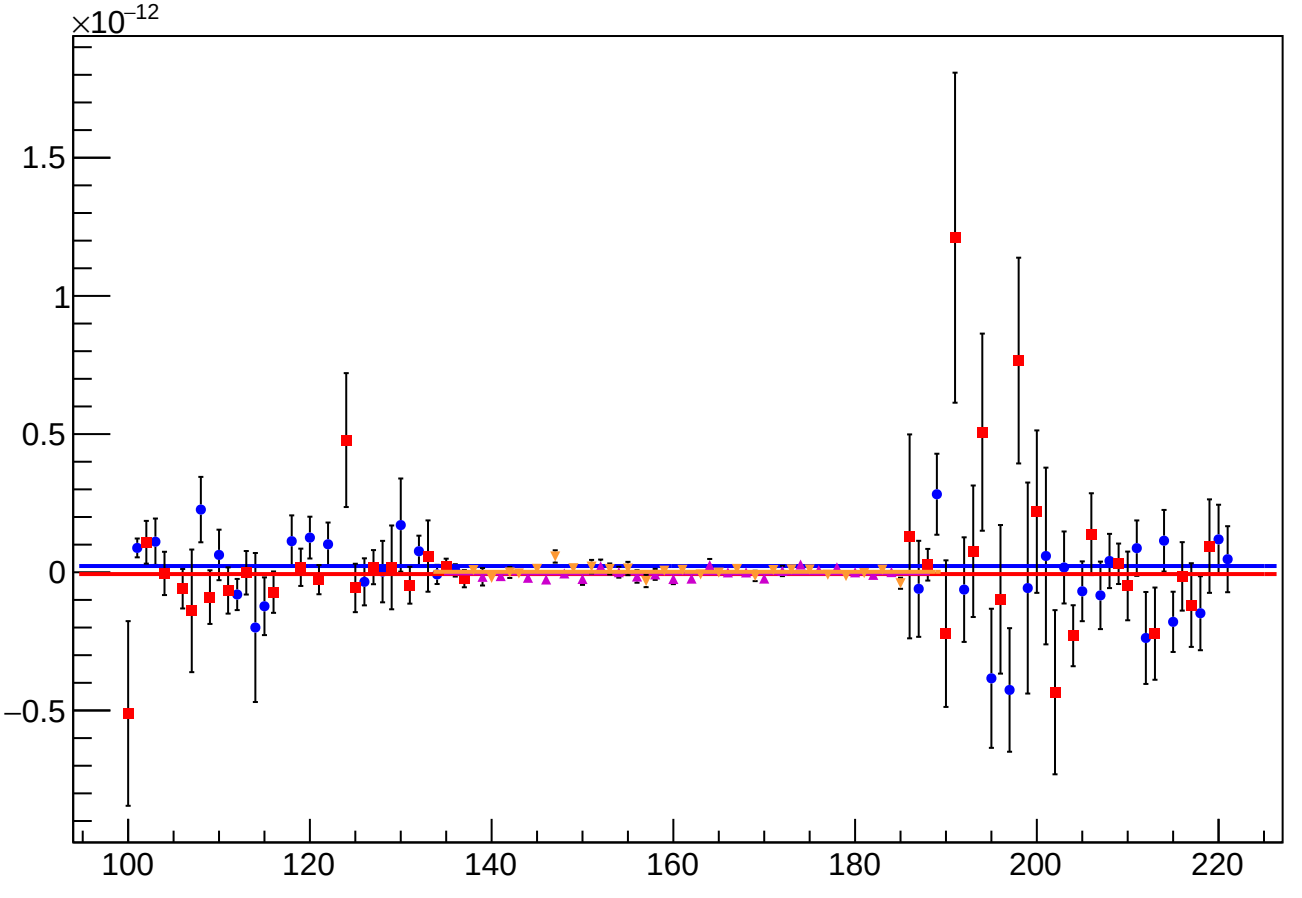
Right: 50.434+/-0.006 χ^2/NDF: 3386047.3/70

In: 44.195+/-0.005 χ^2/NDF:4692453.3/56

Out: 44.451+/-0.005 χ^2/NDF:5134531.2/61

All: 44.323+/-0.004 χ^2/NDF: 9828207.0/118

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 36.8/36

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

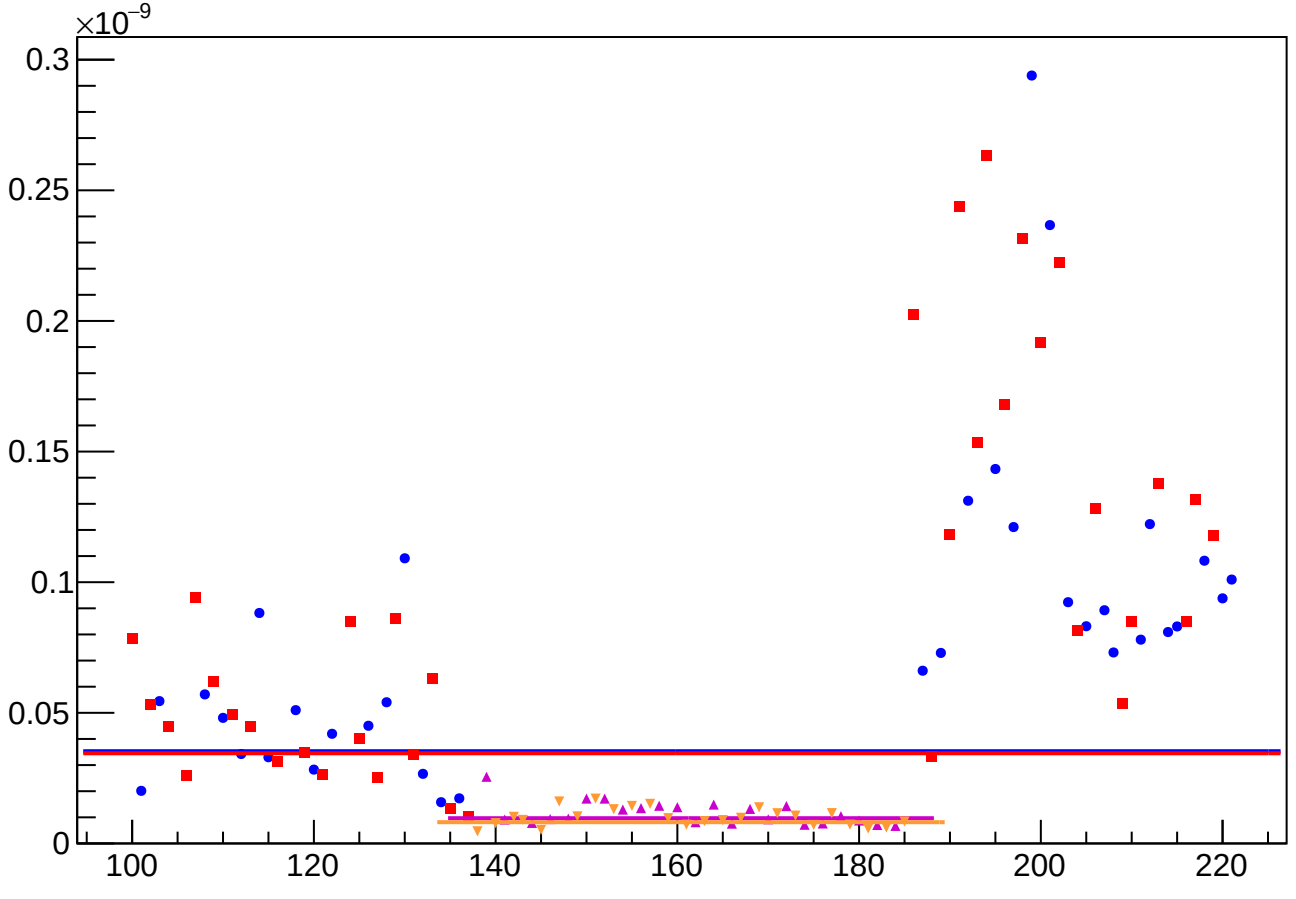
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 81.6/70

In: -0.000+/-0.000 χ^2/NDF:73.9/56

Out: 0.000+/-0.000 χ^2/NDF:65.2/61

All: -0.000+/-0.000 χ^2/NDF: 140.1/118



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: 12193763.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

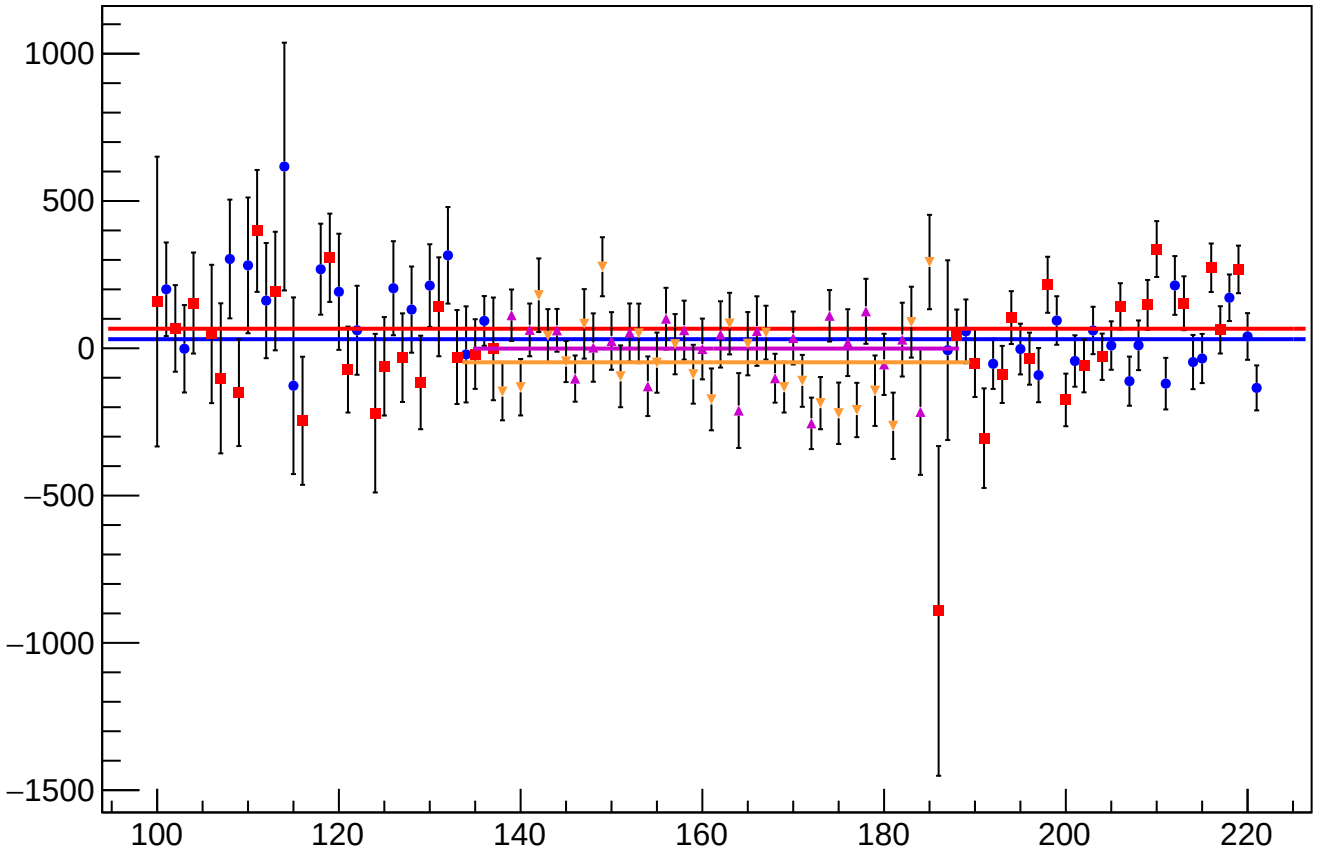
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 23231099.8/70

In: 0.000+/-0.000 χ^2/NDF:21123874.4/56

Out: 0.000+/-0.000 χ^2/NDF:22340971.6/61

All: 0.000+/-0.000 χ^2/NDF: 43983190.4/118



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: 66.373+/-19.145 χ^2/NDF: 65.0/36

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

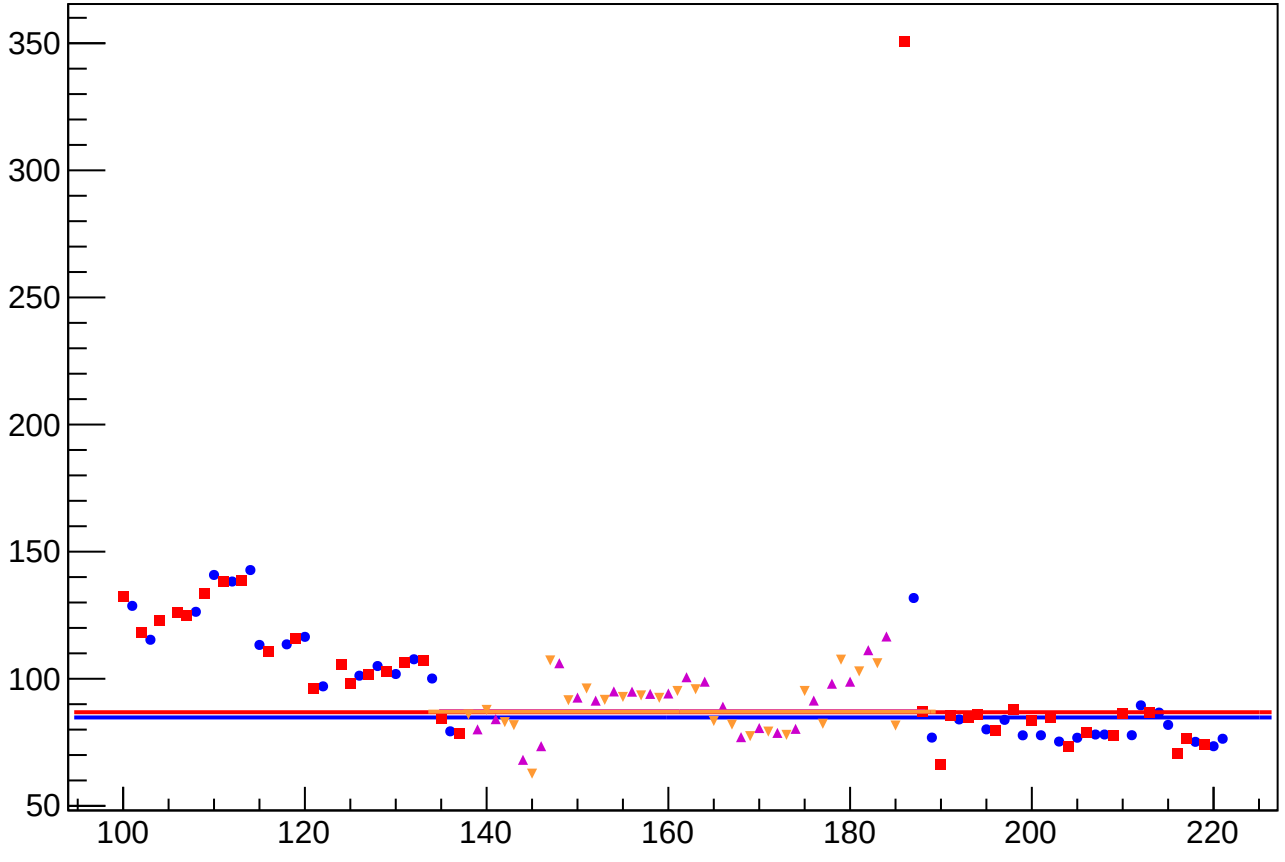
Right: 47.879+/-13.247 χ^2/NDF: 106.6/70

In: 16.792+/-13.703 χ^2/NDF:66.7/56

Out: 11.862+/-13.824 χ^2/NDF:125.9/61

All: 14.349+/-9.732 χ^2/NDF: 192.6/118

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: 86.836+/-0.014 χ^2/NDF: 1709950.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

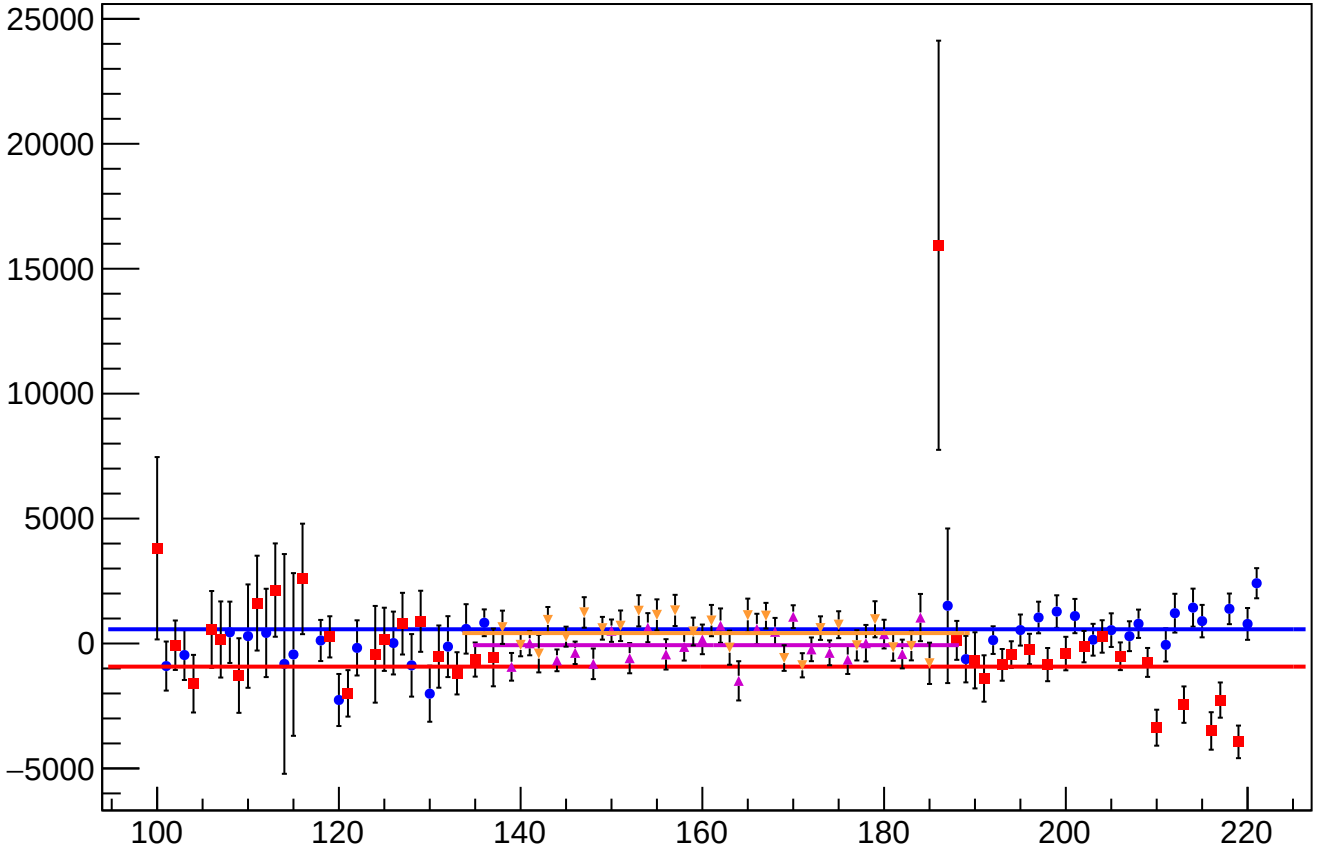
Right: 85.765+/-0.009 χ^2/NDF: 2936094.4/70

In: 85.876+/-0.010 χ^2/NDF:1826027.7/56

Out: 86.949+/-0.010 χ^2/NDF:2330721.7/61

All: 86.408+/-0.007 χ^2/NDF: 4162831.1/118

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



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: -925.851+/-139.154 χ^2/NDF: 87.6/36

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

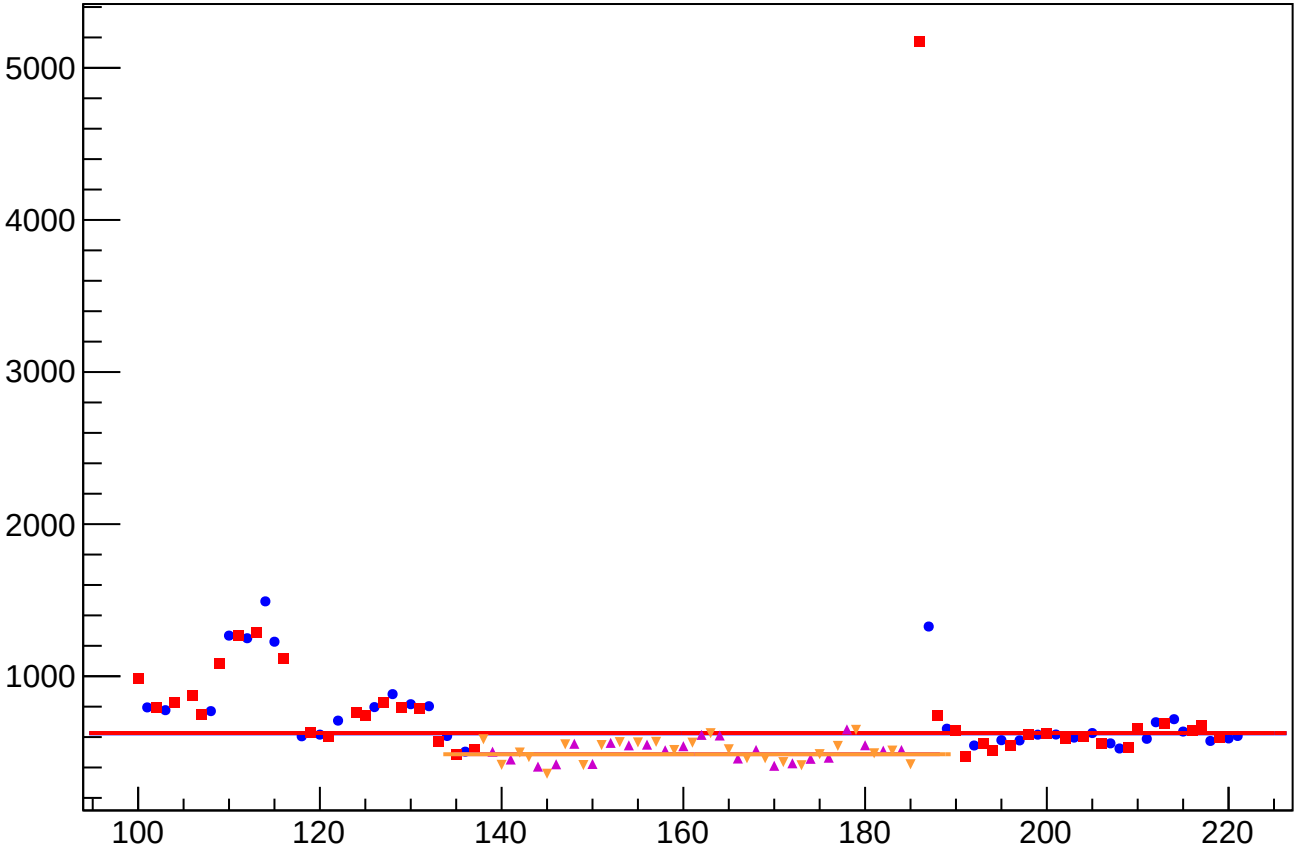
Right: -158.527+/-97.096 χ^2/NDF: 185.8/70

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -113.185+/-87.409 χ^2/NDF:176.4/61

All: 42.931+/-61.972 χ^2/NDF: 262.0/118

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



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: 626.599+/-0.098 χ^2/NDF: 2237492.4/36

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

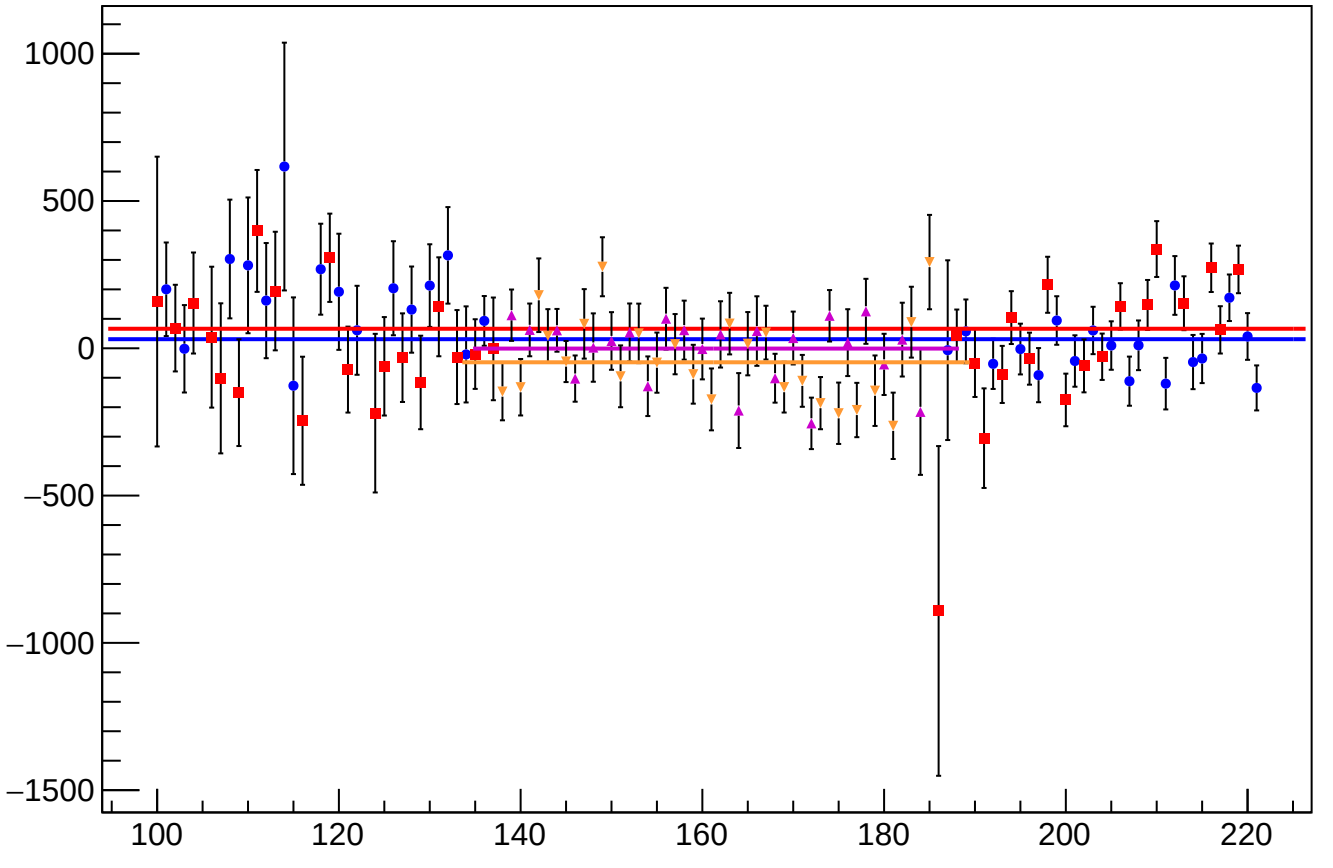
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 625.544+/-0.069 χ^2/NDF: 3633919.5/70

In: 545.351+/-0.062 χ^2/NDF:3208193.7/56

Out: 542.129+/-0.062 χ^2/NDF:4275970.3/61

All: 543.732+/-0.044 χ^2/NDF: 7485515.8/118



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: 66.325+/-19.148 χ^2/NDF: 65.0/36

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

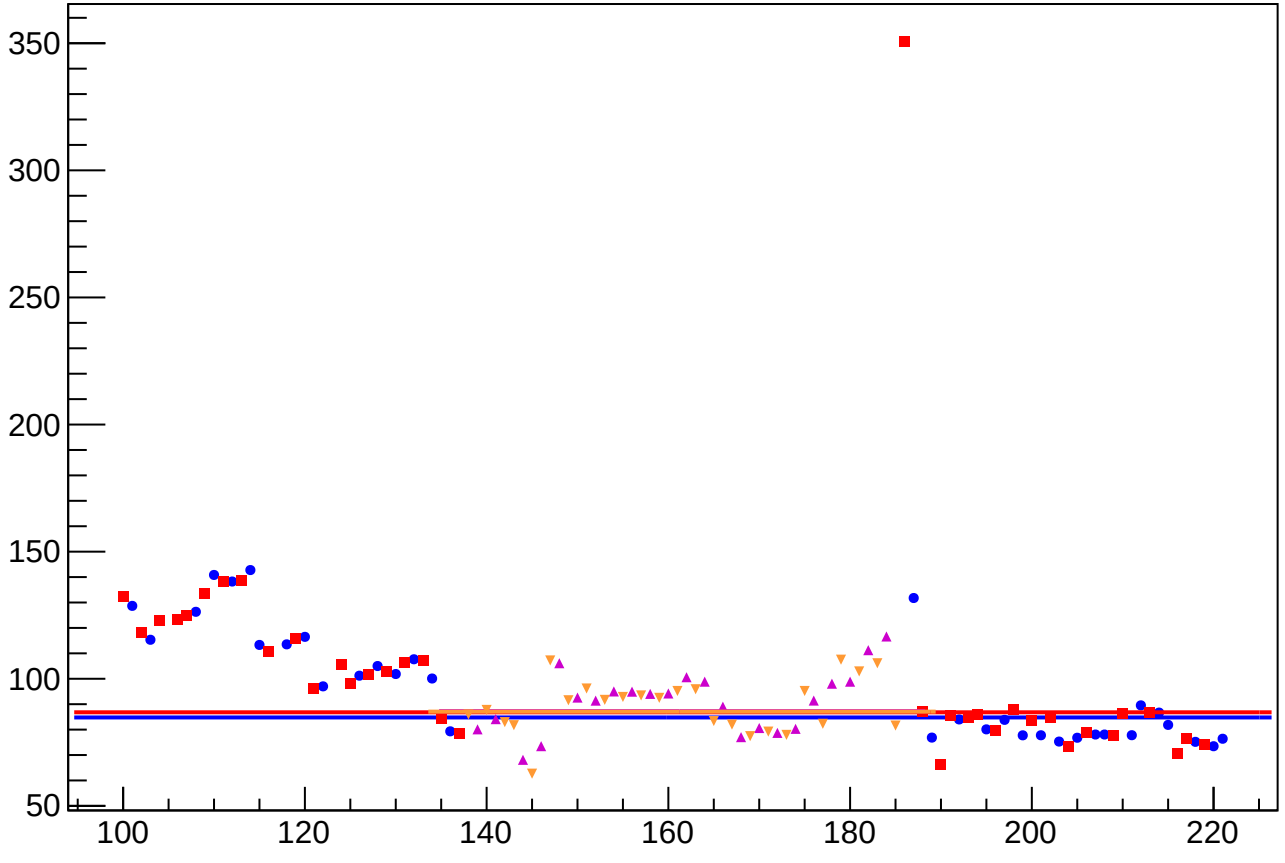
Right: 47.851+/-13.248 χ^2/NDF: 106.7/70

In: 16.788+/-13.703 χ^2/NDF:66.7/56

Out: 11.826+/-13.825 χ^2/NDF:125.9/61

All: 14.329+/-9.732 χ^2/NDF: 192.6/118

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: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

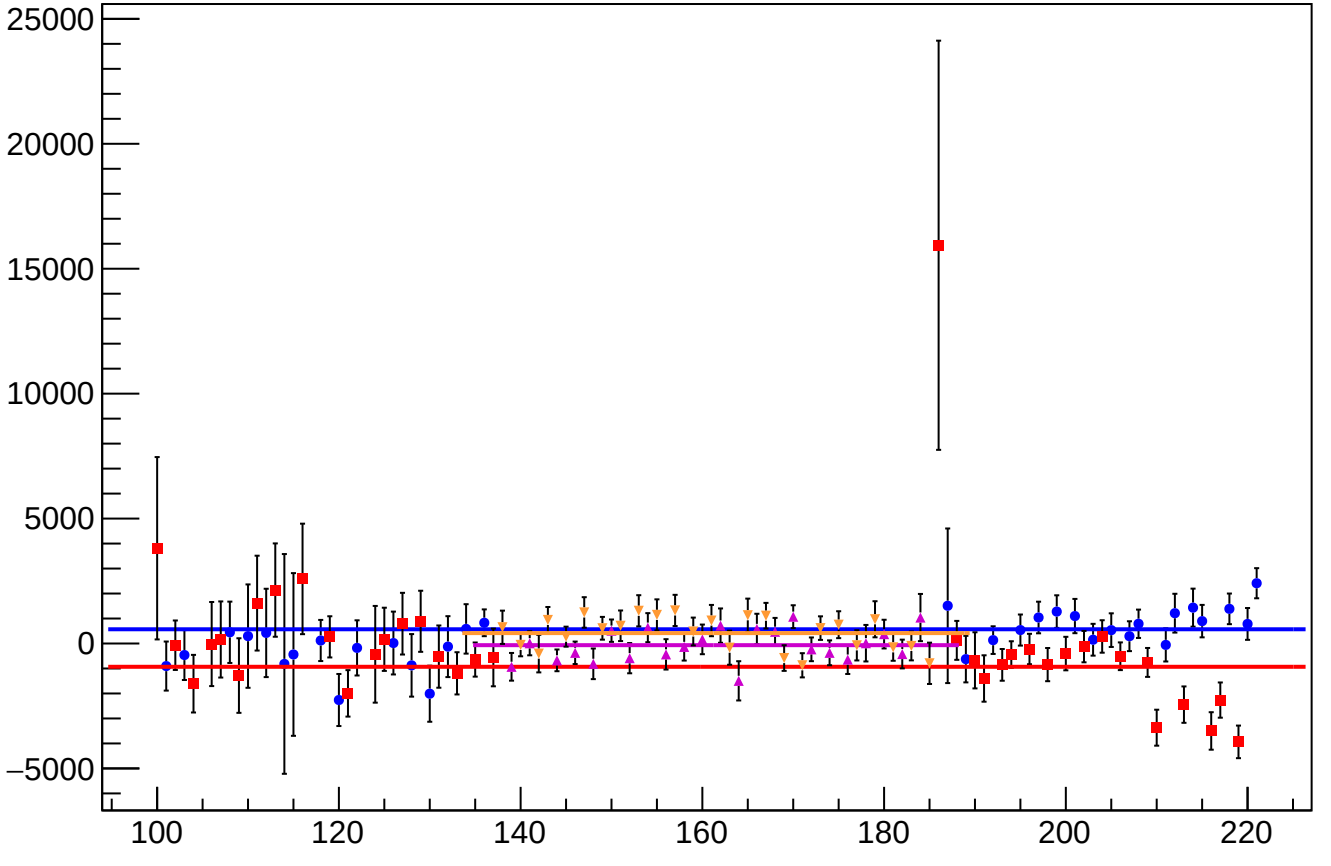
Right: 85.751+/-0.009 χ^2/NDF: 2926417.9/70

In: 85.876+/-0.010 χ^2/NDF:1826028.1/56

Out: 86.935+/-0.010 χ^2/NDF:2321399.4/61

All: 86.400+/-0.007 χ^2/NDF: 4153348.6/118

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: -931.885+/-139.250 χ^2/NDF: 87.0/36

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

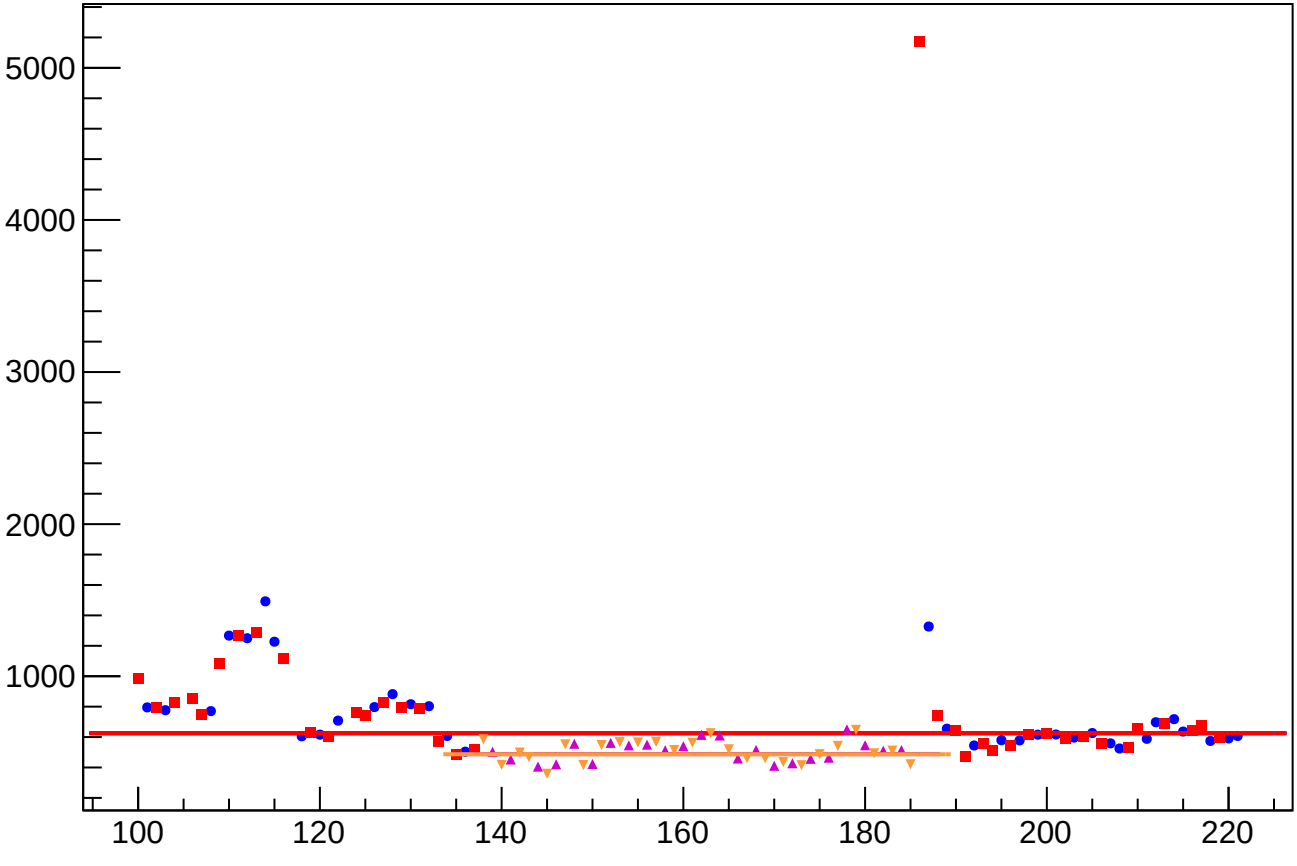
Right: -160.948+/-97.128 χ^2/NDF: 185.6/70

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -115.127+/-87.432 χ^2/NDF:176.2/61

All: 41.998+/-61.980 χ^2/NDF: 261.9/118

asym_sam_26_48_dd_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: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

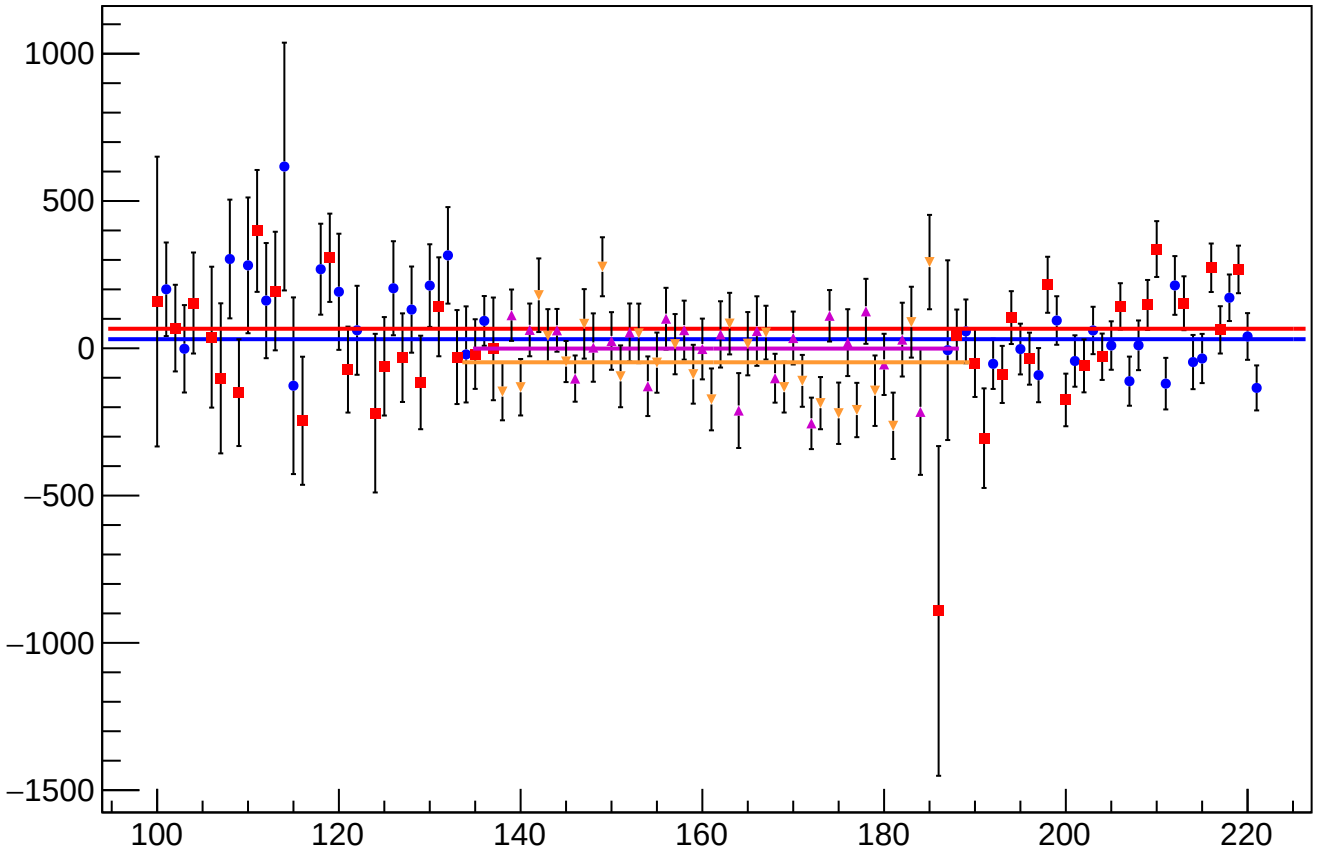
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 625.315+/-0.069 χ^2/NDF: 3618671.1/70

In: 545.351+/-0.062 χ^2/NDF:3208210.4/56

Out: 541.898+/-0.062 χ^2/NDF:4251585.9/61

All: 543.616+/-0.044 χ^2/NDF: 7461348.8/118



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: 66.325+/-19.148 χ^2/NDF: 65.0/36

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

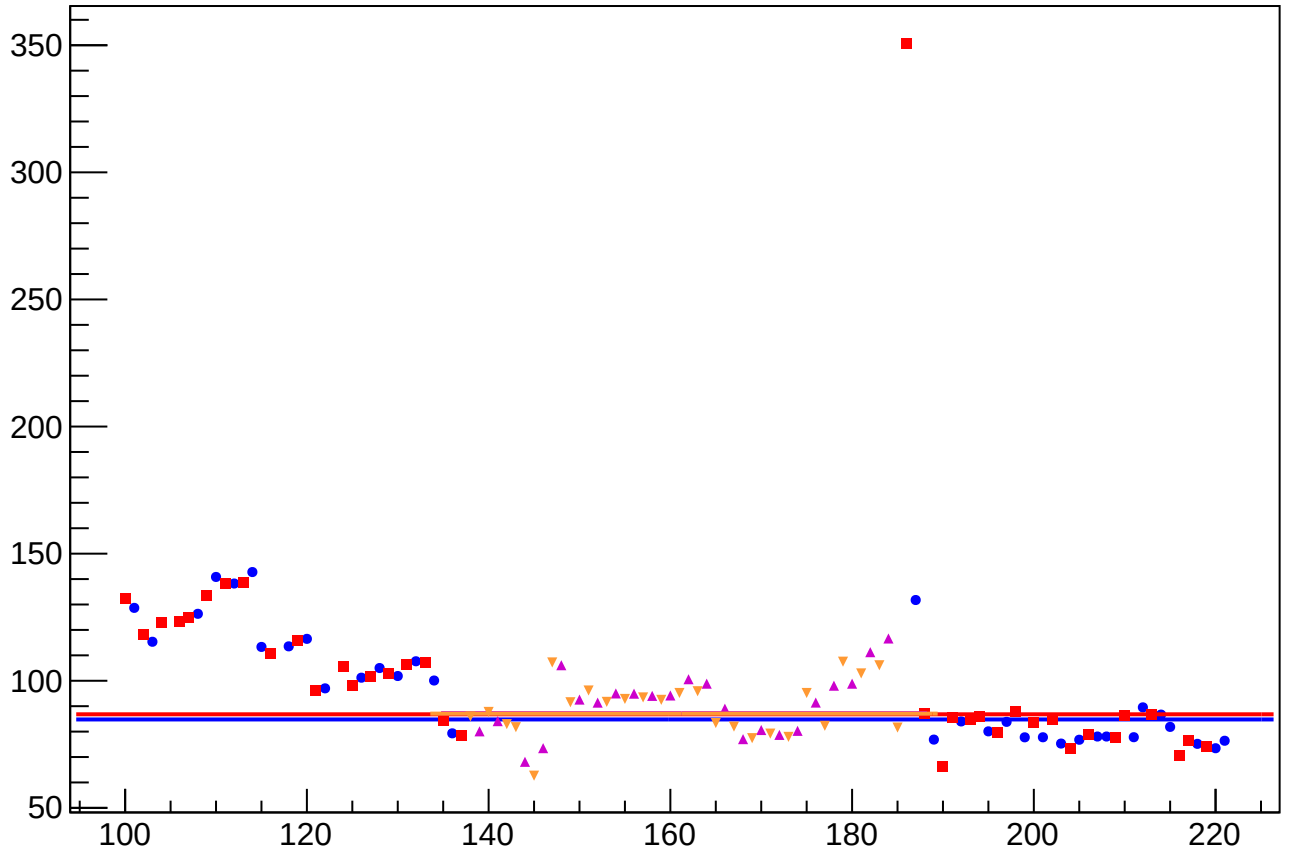
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 47.851+/-13.248 χ^2/NDF: 106.7/70

In: 16.788+/-13.703 χ^2/NDF:66.7/56

Out: 11.826+/-13.825 χ^2/NDF:125.9/61

All: 14.329+/-9.732 χ^2/NDF: 192.6/118



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: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

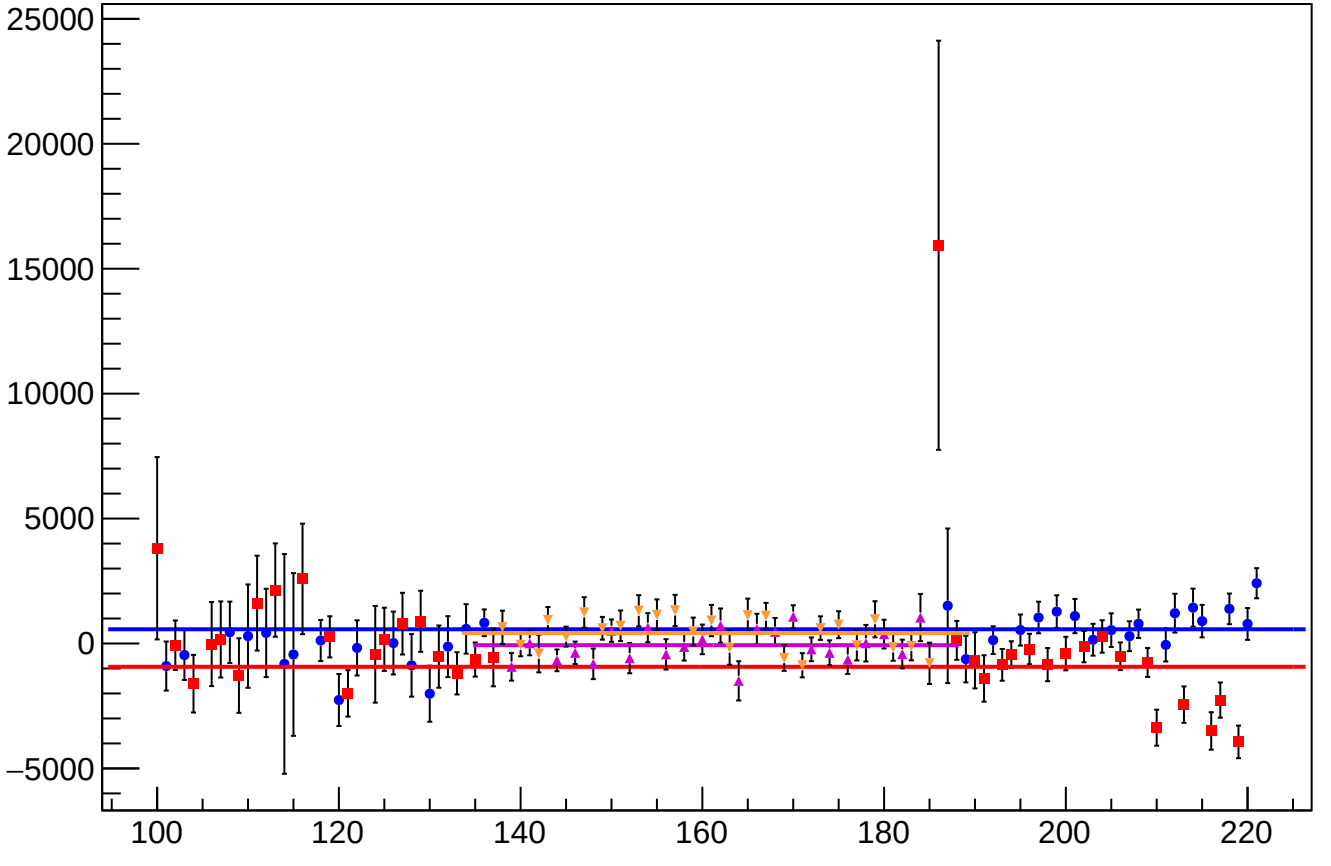
Right: 85.751+/-0.009 χ^2/NDF: 2926417.9/70

In: 85.876+/-0.010 χ^2/NDF:1826028.1/56

Out: 86.935+/-0.010 χ^2/NDF:2321399.4/61

All: 86.400+/-0.007 χ^2/NDF: 4153348.6/118

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: -931.885+/-139.250 χ^2/NDF: 87.0/36

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

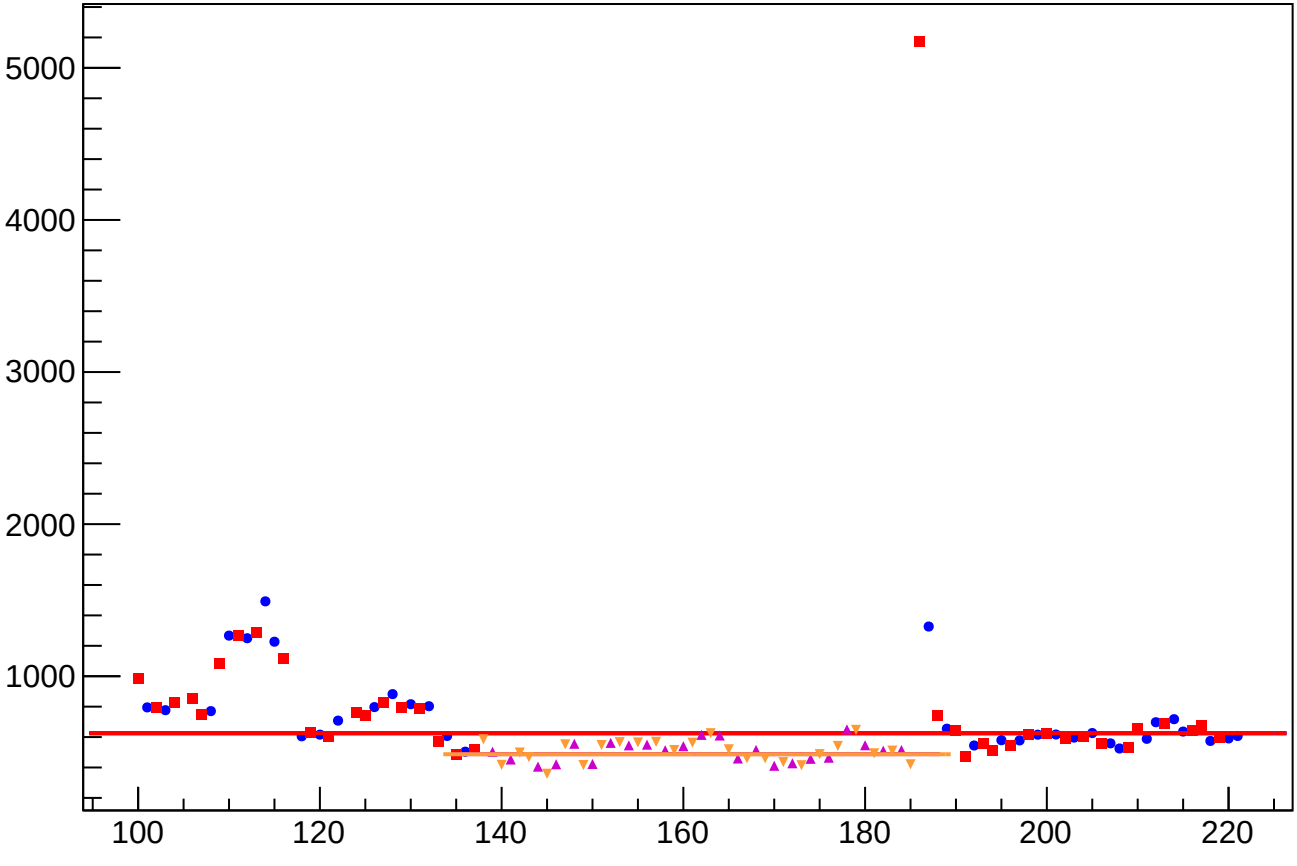
Right: -160.948+/-97.128 χ^2/NDF: 185.6/70

In: 200.724+/-87.876 χ^2/NDF:79.2/56

Out: -115.127+/-87.432 χ^2/NDF:176.2/61

All: 41.998+/-61.980 χ^2/NDF: 261.9/118

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: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

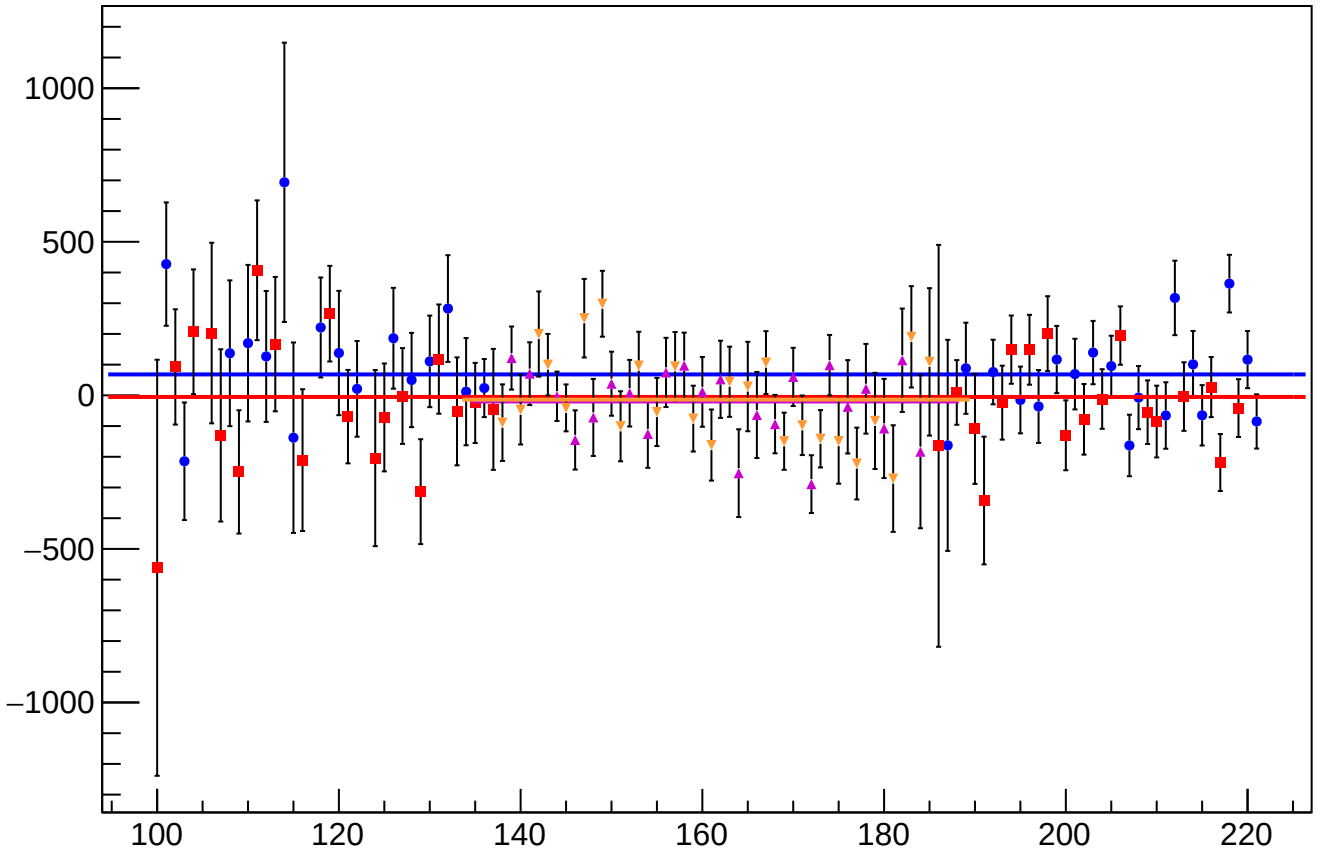
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 625.315+/-0.069 χ^2/NDF: 3618671.1/70

In: 545.351+/-0.062 χ^2/NDF:3208210.4/56

Out: 541.898+/-0.062 χ^2/NDF:4251585.9/61

All: 543.616+/-0.044 χ^2/NDF: 7461348.8/118



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: -5.223+/-22.899 χ^2/NDF: 38.6/36

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

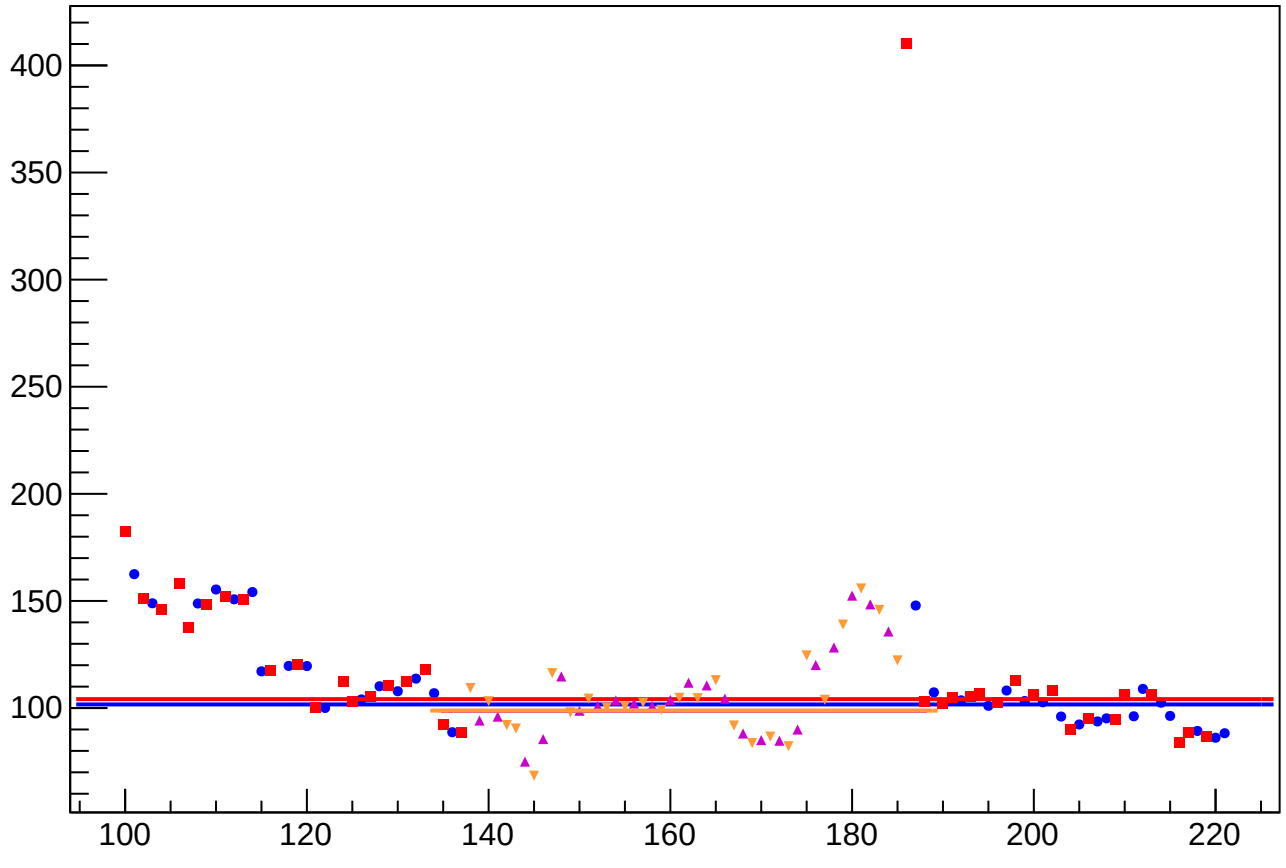
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 33.056+/-15.842 χ^2/NDF: 84.9/70

In: 27.346+/-16.060 χ^2/NDF:71.7/56

Out: -9.560+/-16.198 χ^2/NDF:75.0/61

All: 9.051+/-11.405 χ^2/NDF: 149.4/118



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: 104.166+/-0.016 χ^2/NDF: 1430031.0/36

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

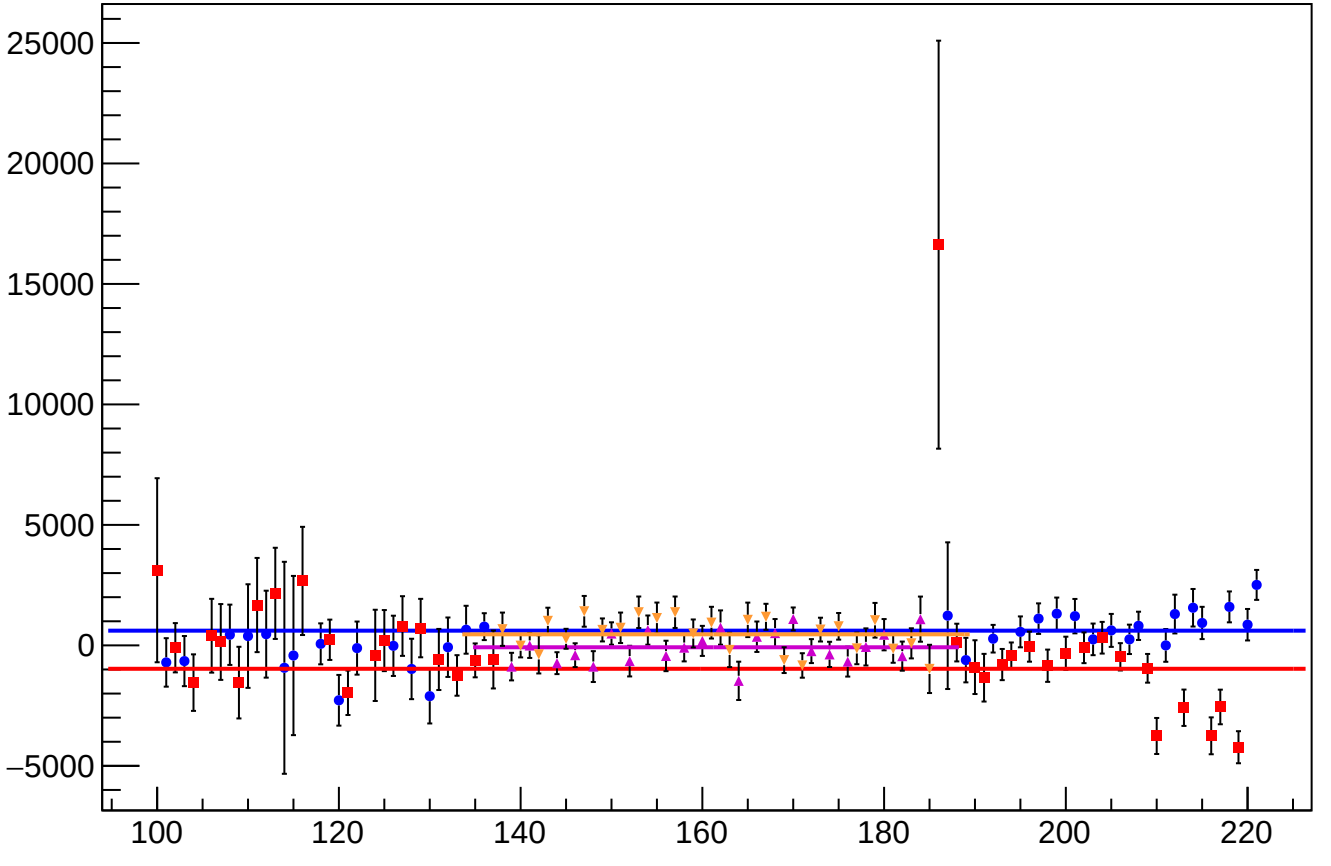
Right: 102.874+/-0.011 χ^2/NDF: 2398160.6/70

In: 100.288+/-0.011 χ^2/NDF:1961263.9/56

Out: 101.484+/-0.011 χ^2/NDF:2670736.0/61

All: 100.881+/-0.008 χ^2/NDF: 4637500.1/118

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: -971.672+/-141.953 χ^2/NDF: 97.0/36

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

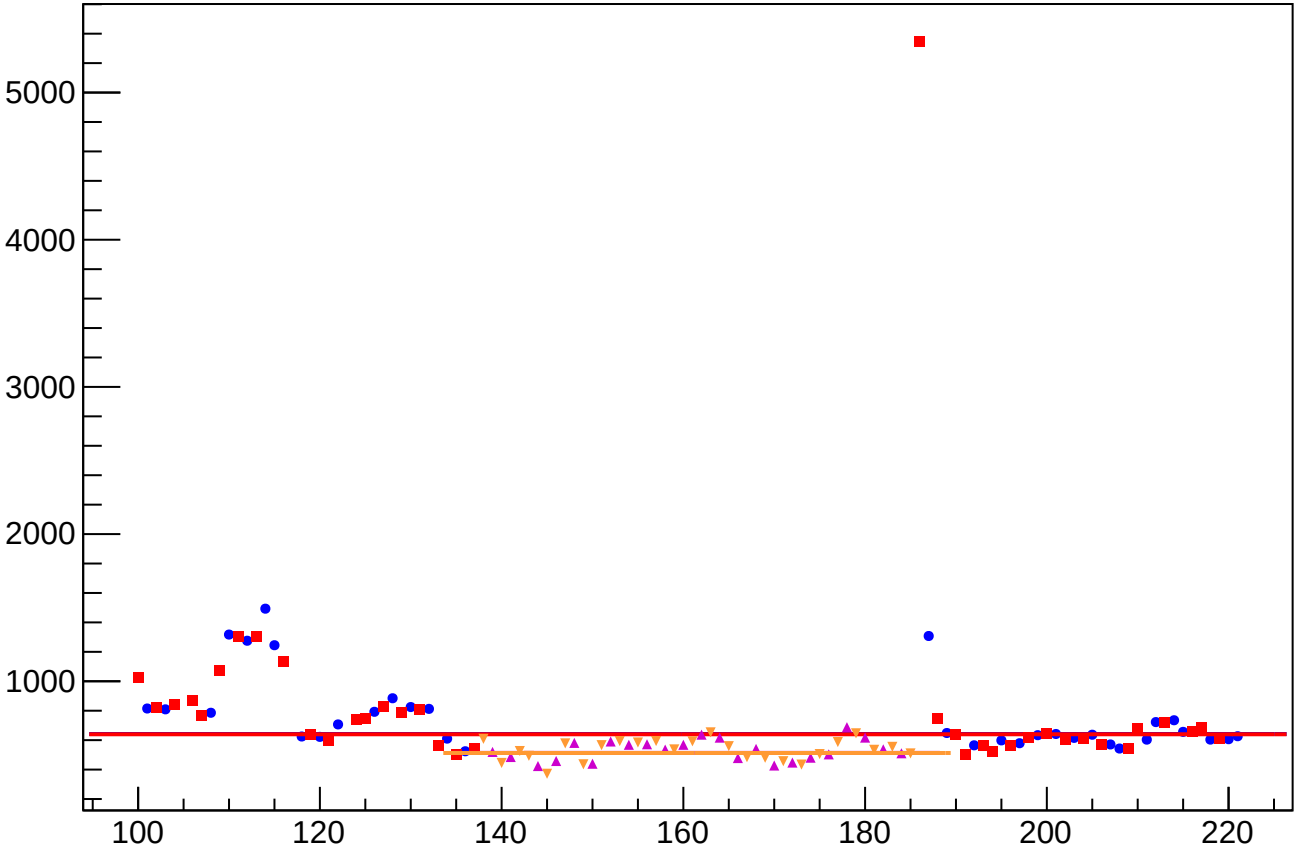
Right: -164.594+/-99.351 χ^2/NDF: 200.7/70

In: 219.280+/-91.480 χ^2/NDF:80.4/56

Out: -126.218+/-90.793 χ^2/NDF:187.9/61

All: 45.229+/-64.442 χ^2/NDF: 275.5/118

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: 639.929+/-0.100 χ^2/NDF: 2170663.7/36

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

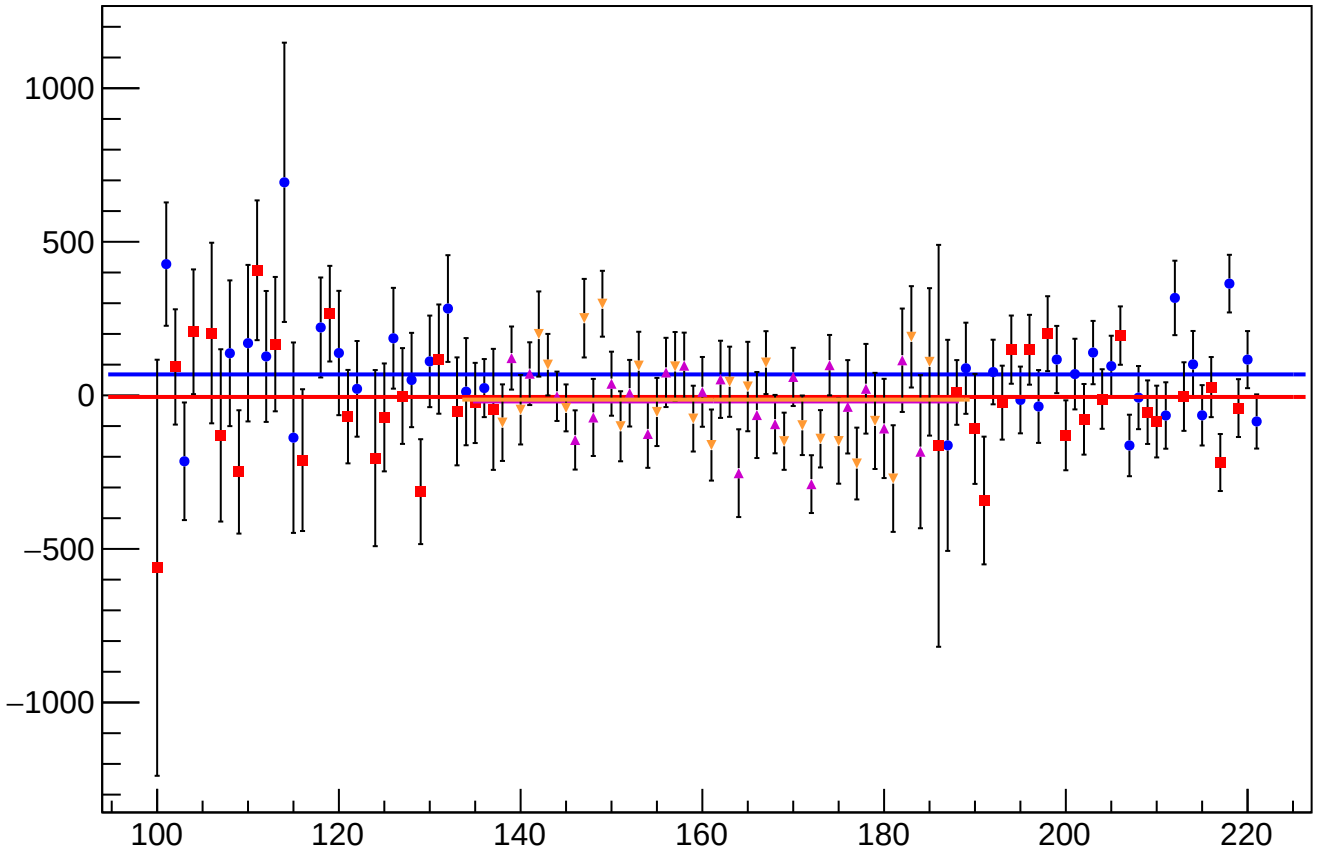
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 640.852+/-0.070 χ^2/NDF: 3506303.5/70

In: 568.894+/-0.065 χ^2/NDF:2936001.4/56

Out: 564.789+/-0.064 χ^2/NDF:3918259.6/61

All: 566.826+/-0.046 χ^2/NDF: 6856289.9/118



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: -5.220+/-22.899 χ^2/NDF: 38.6/36

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

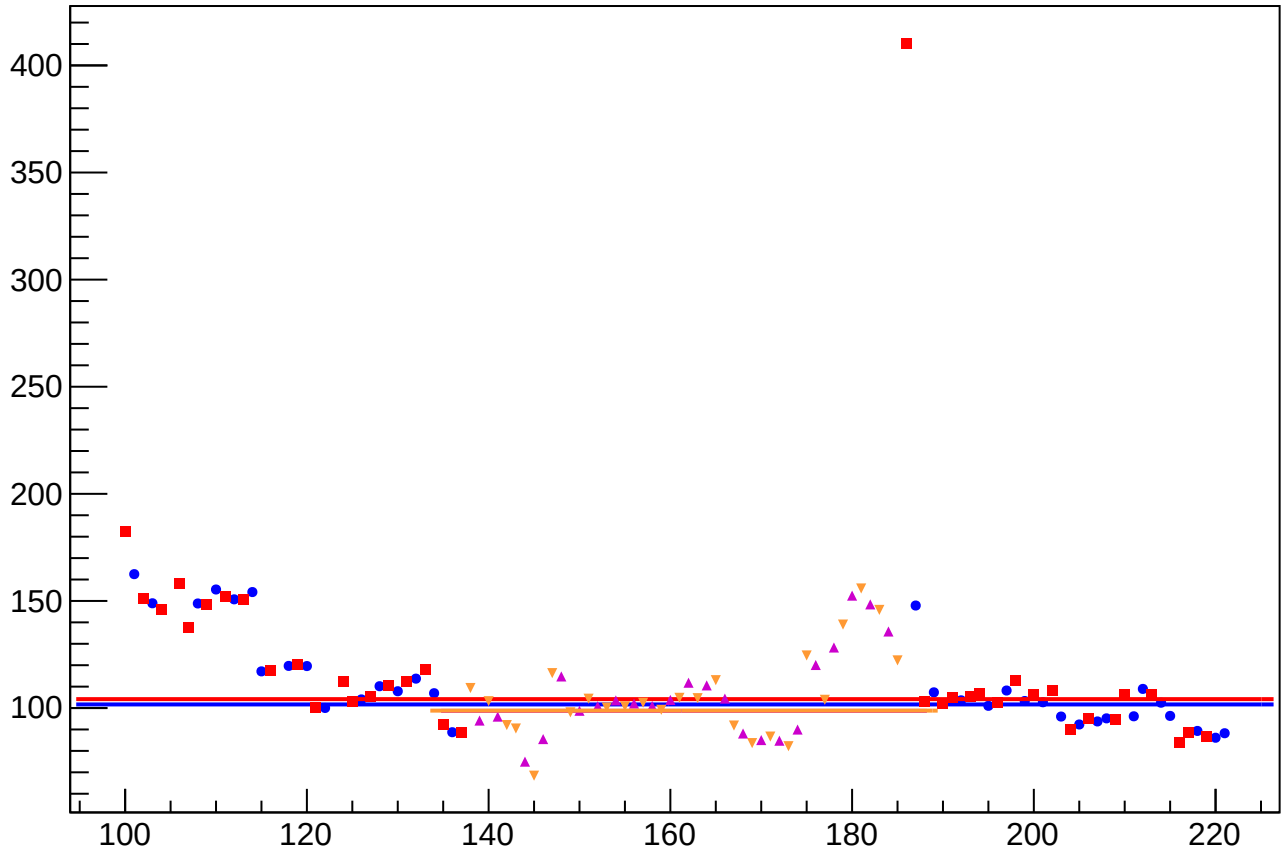
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 33.057+/-15.842 χ^2/NDF: 84.9/70

In: 27.345+/-16.060 χ^2/NDF:71.7/56

Out: -9.560+/-16.198 χ^2/NDF:75.0/61

All: 9.051+/-11.405 χ^2/NDF: 149.4/118



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: 104.166+/-0.016 χ^2/NDF: 1430026.2/36

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

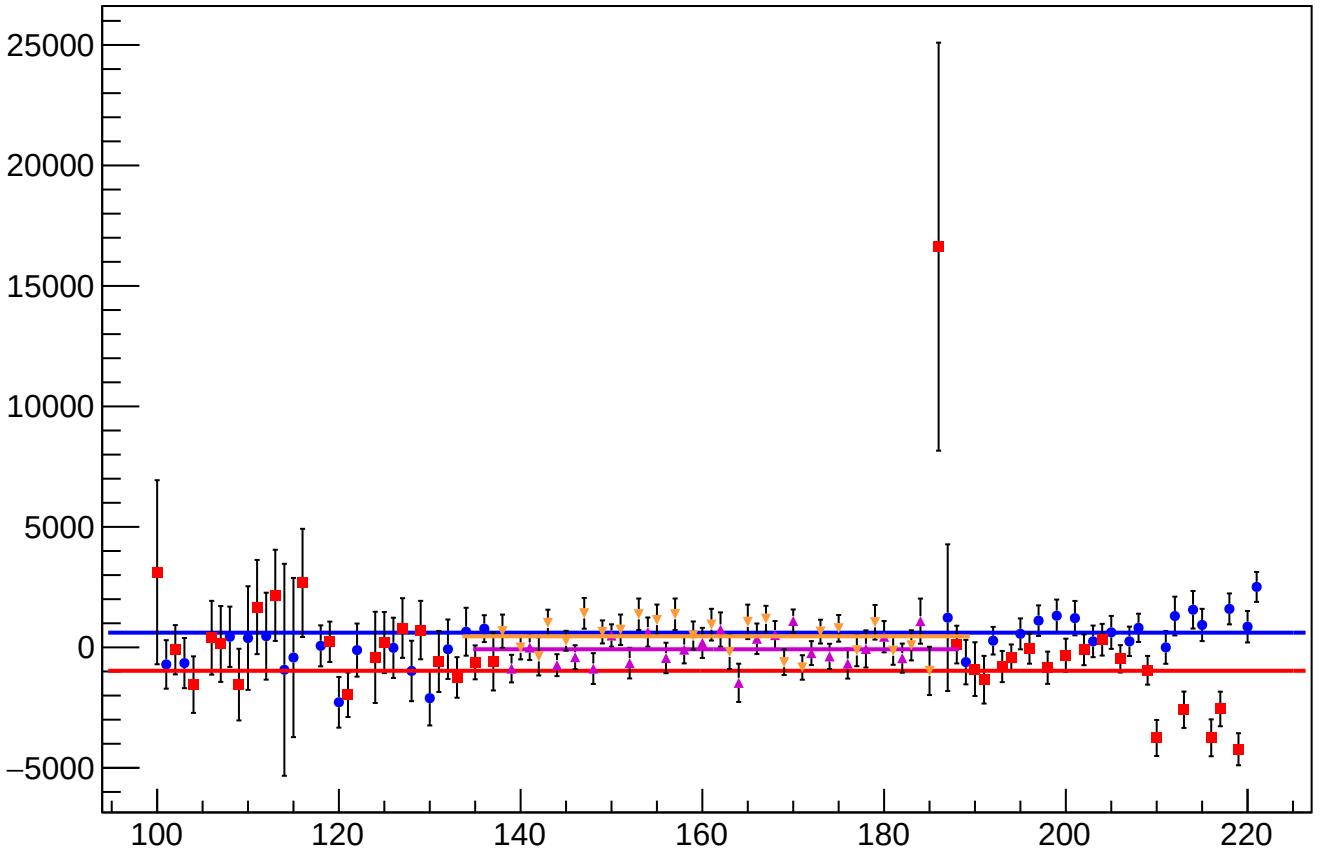
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 102.874+/-0.011 χ^2/NDF: 2398151.7/70

In: 100.288+/-0.011 χ^2/NDF:1961251.3/56

Out: 101.484+/-0.011 χ^2/NDF:2670736.6/61

All: 100.881+/-0.008 χ^2/NDF: 4637487.9/118



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: -971.670+/-141.952 χ^2/NDF: 97.0/36

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

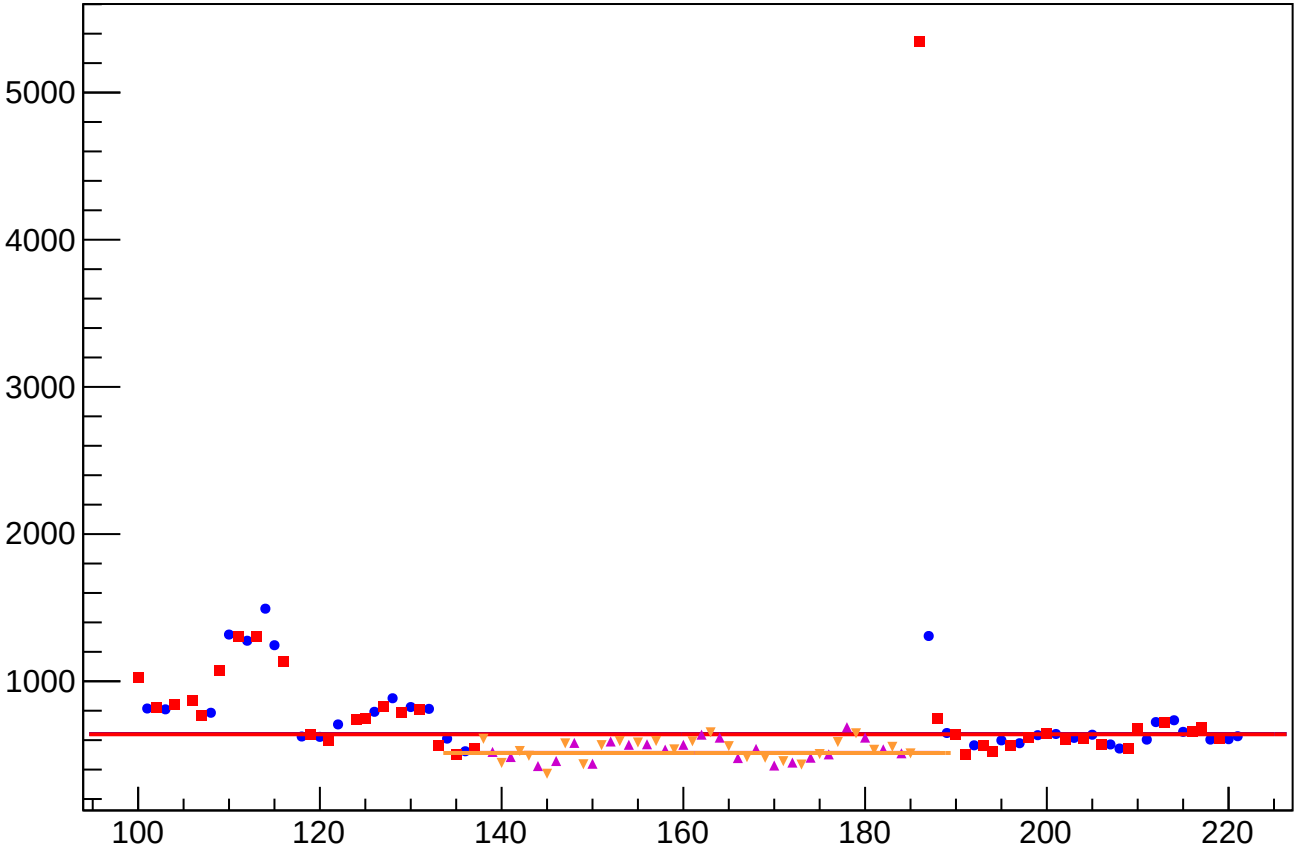
Right: -164.593+/-99.351 χ^2/NDF: 200.7/70

In: 219.280+/-91.480 χ^2/NDF:80.4/56

Out: -126.219+/-90.793 χ^2/NDF:187.9/61

All: 45.229+/-64.442 χ^2/NDF: 275.5/118

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: 639.928+/-0.100 χ^2/NDF: 2170661.0/36

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

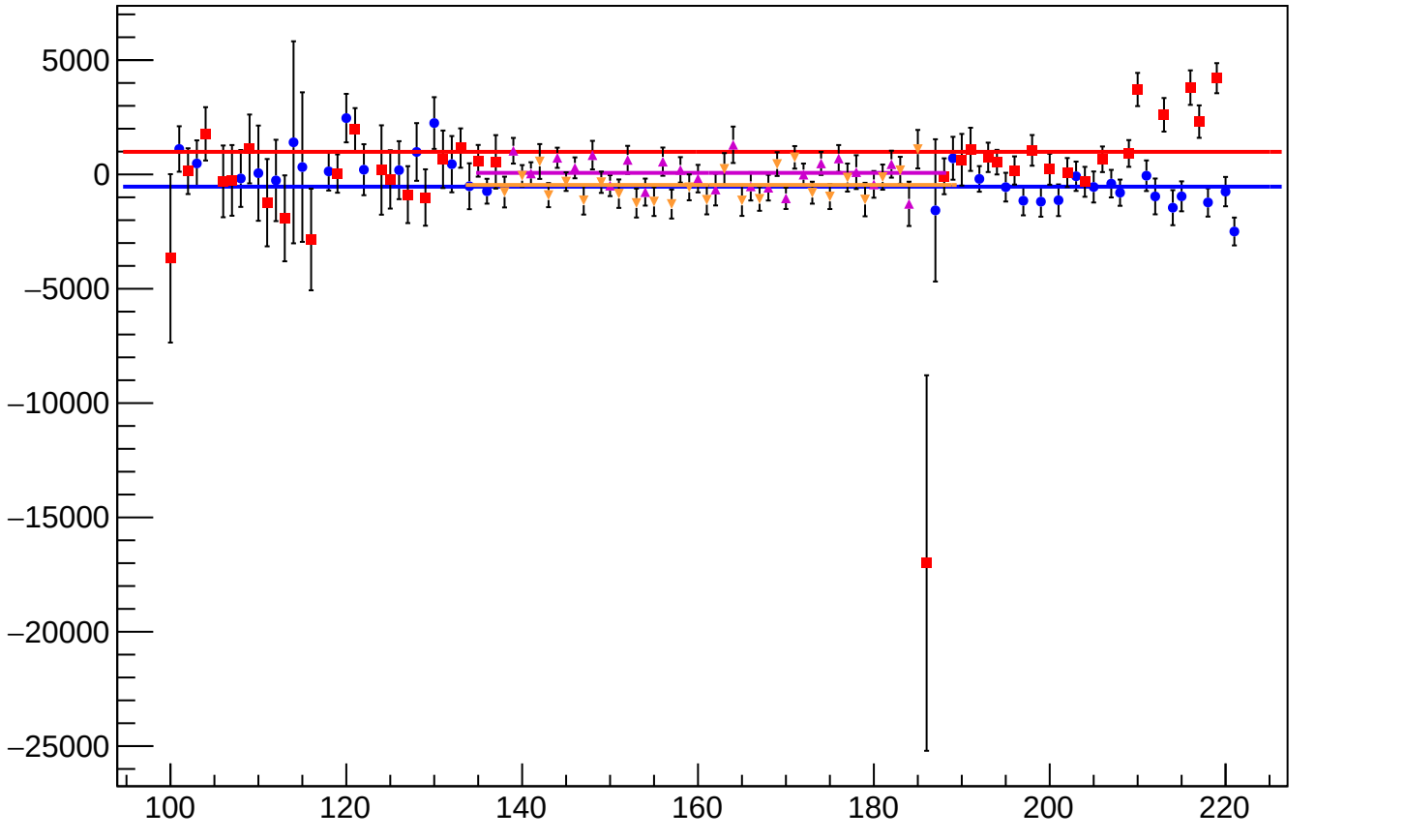
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 640.851+/-0.070 χ^2/NDF: 3506297.5/70

In: 568.893+/-0.065 χ^2/NDF:2935986.3/56

Out: 564.788+/-0.064 χ^2/NDF:3918245.8/61

All: 566.825+/-0.046 χ^2/NDF: 6856261.2/118



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: 988.619+/-140.643 χ^2/NDF: 97.0/36

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

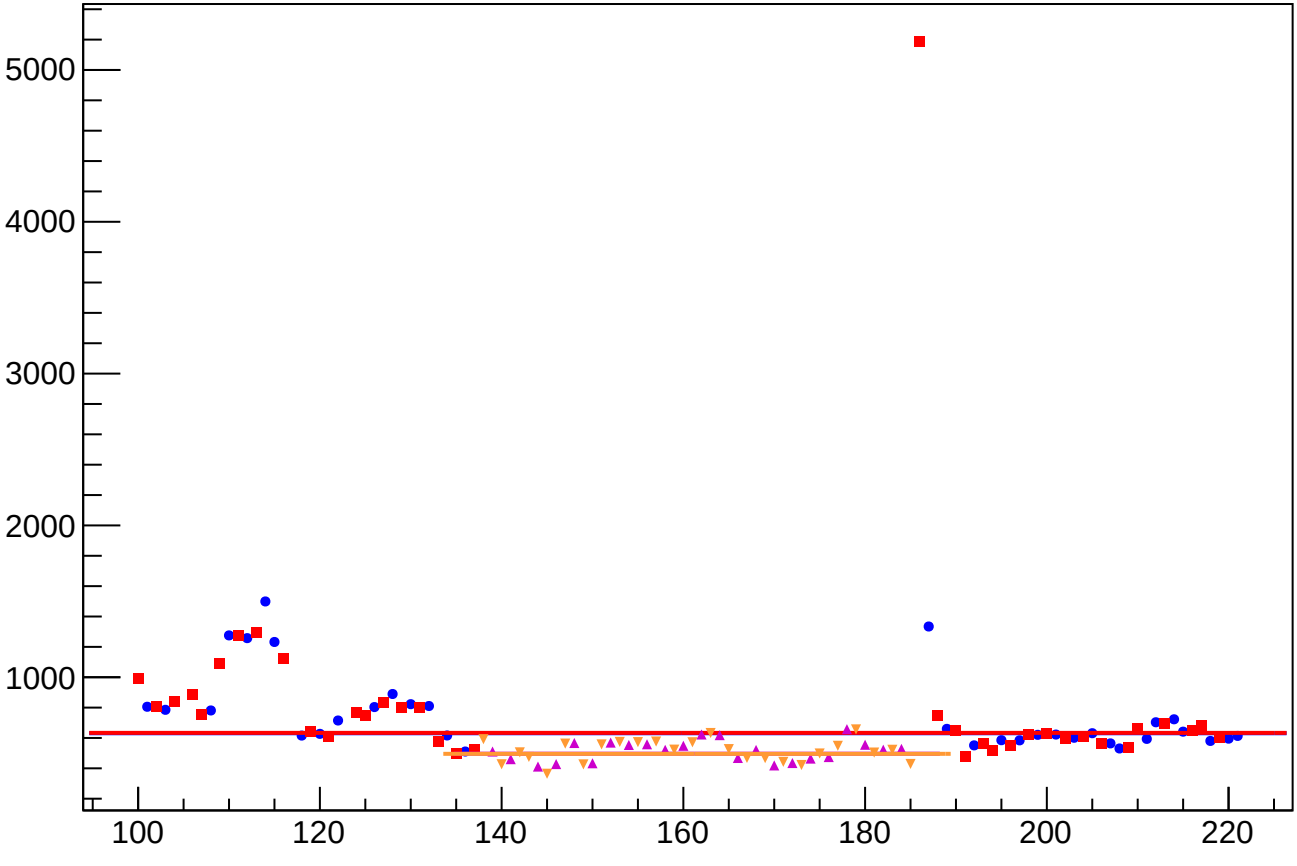
Right: 206.634+/-98.107 χ^2/NDF: 199.1/70

In: -187.172+/-89.110 χ^2/NDF:81.7/56

Out: 115.882+/-88.670 χ^2/NDF:191.7/61

All: -34.896+/-62.854 χ^2/NDF: 279.2/118

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: 633.517+/-0.099 χ^2/NDF: 2214877.5/36

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

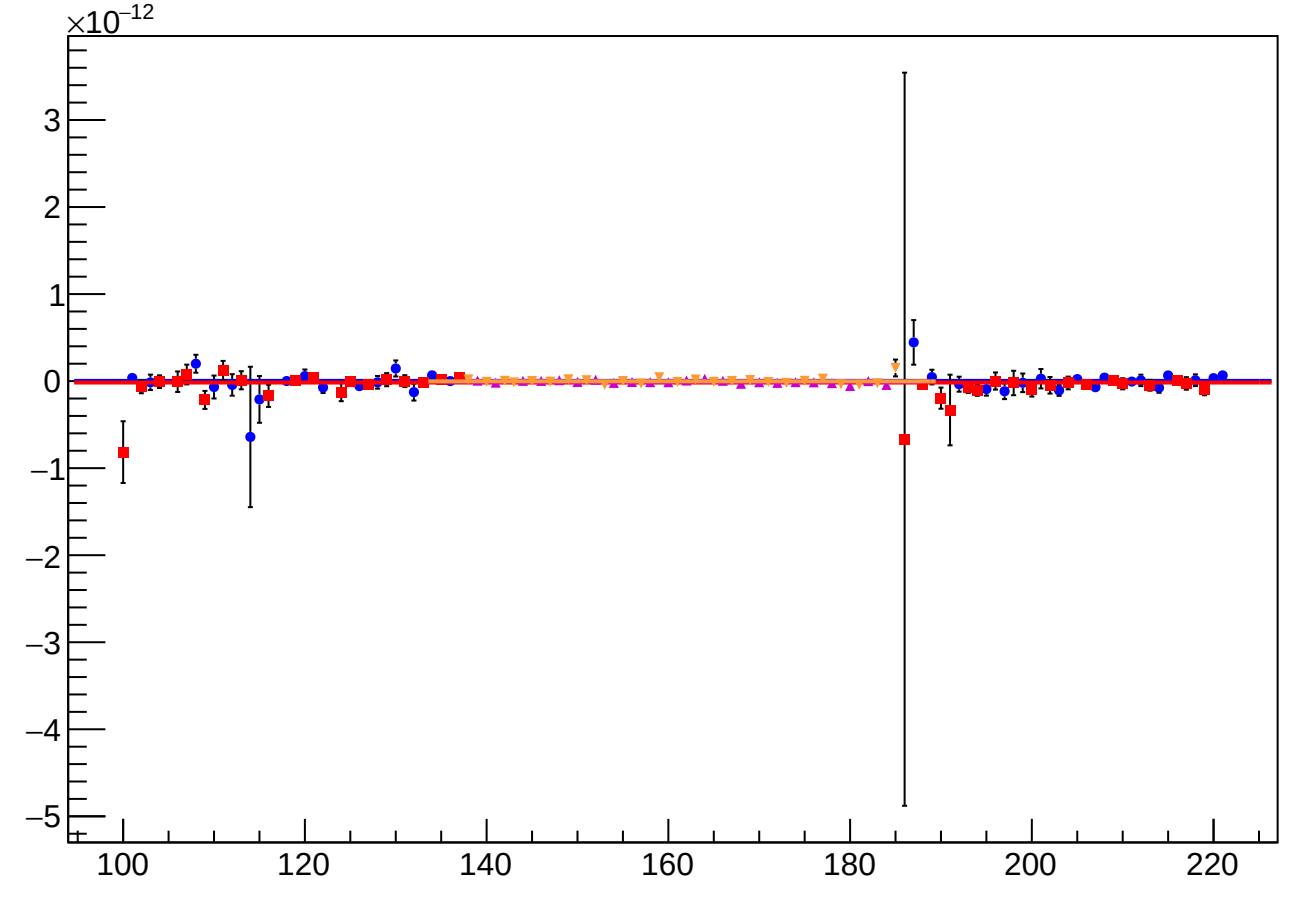
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 632.249+/-0.069 χ^2/NDF: 3599091.1/70

In: 553.376+/-0.063 χ^2/NDF:3122694.9/56

Out: 550.368+/-0.063 χ^2/NDF:4179759.5/61

All: 551.864+/-0.044 χ^2/NDF: 7303599.7/118



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/36

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

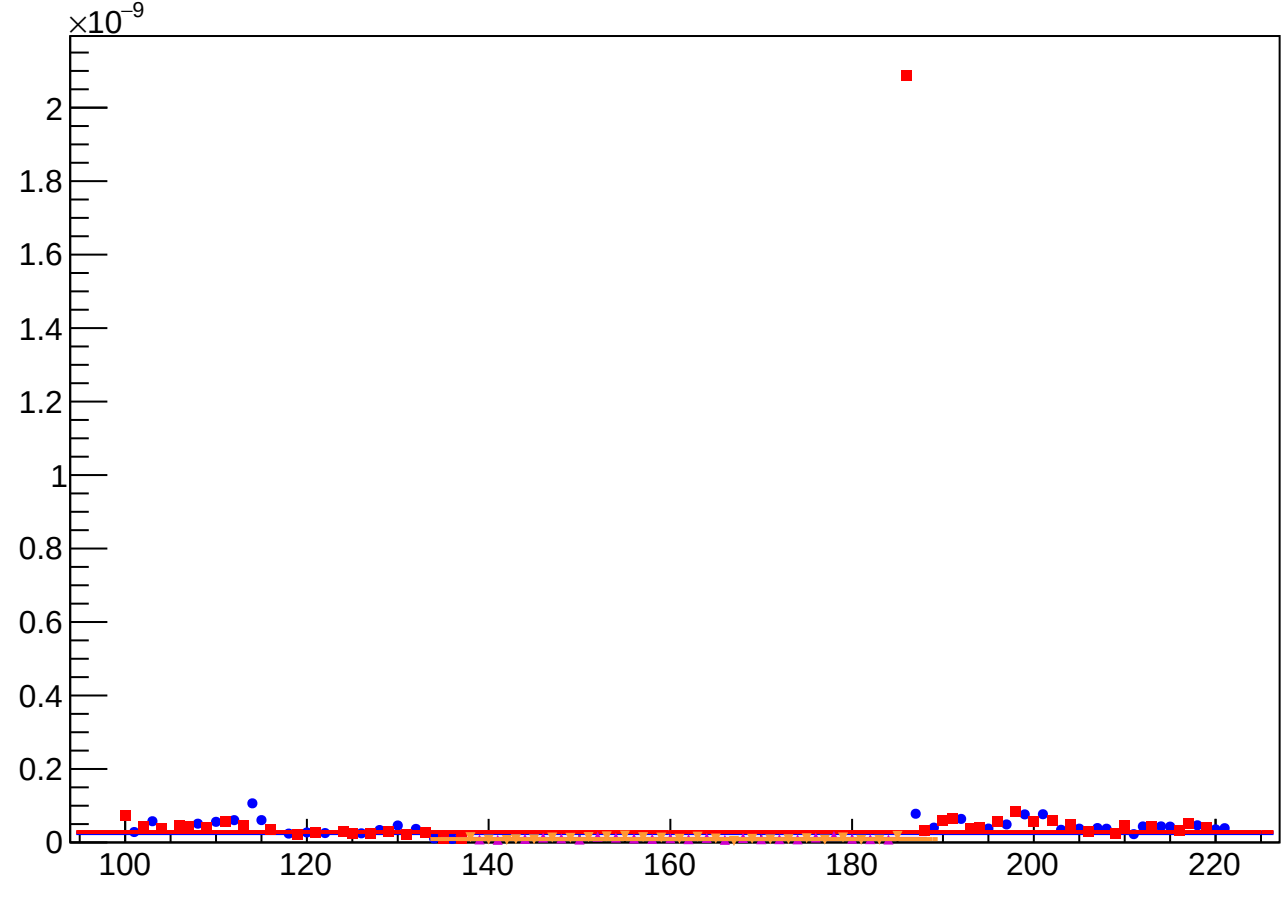
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 64.7/70

In: -0.000+/-0.000 χ^2/NDF:51.1/56

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: -0.000+/-0.000 χ^2/NDF: 106.5/118



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: 4707532.0/36

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

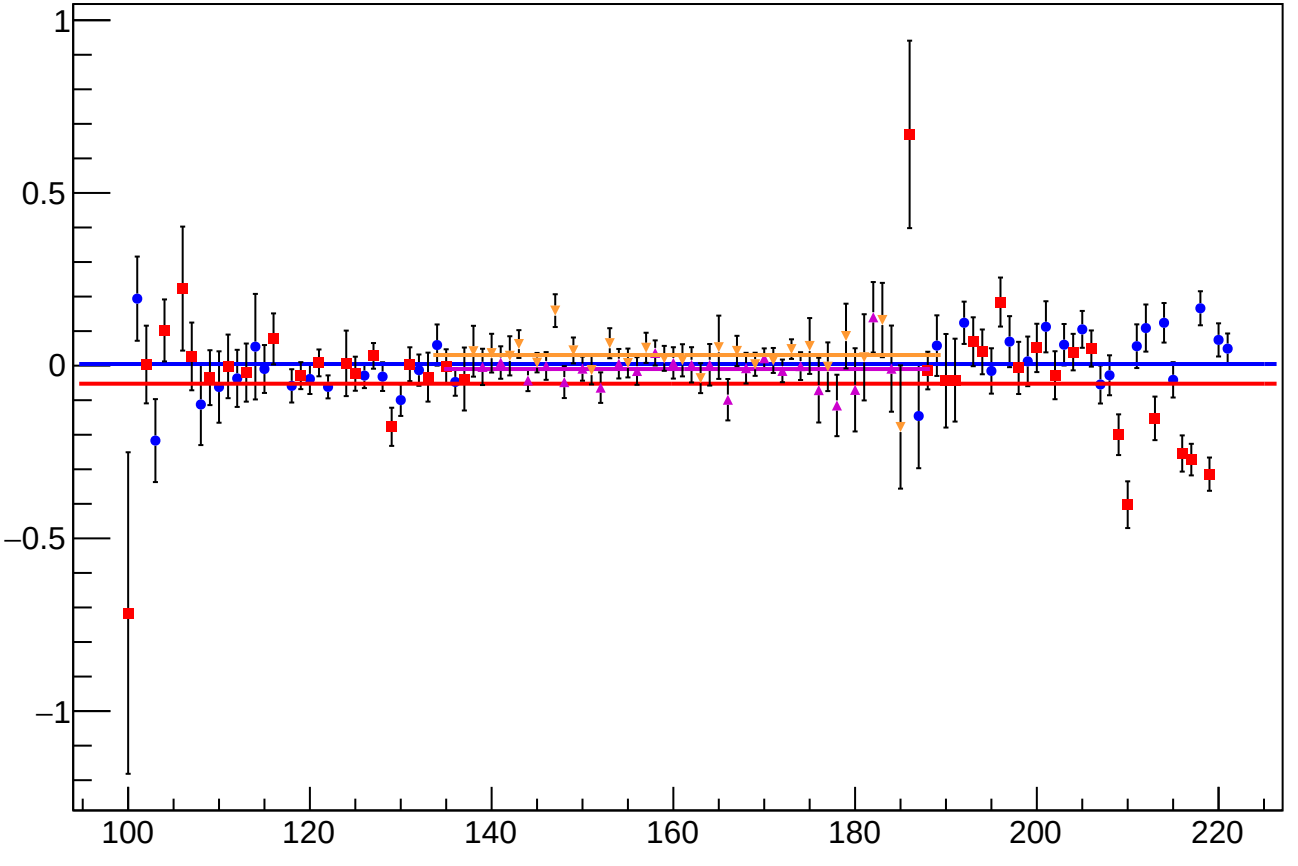
Right: 0.000+/-0.000 χ^2/NDF: 11078575.4/70

In: 0.000+/-0.000 χ^2/NDF:11889816.0/56

Out: 0.000+/-0.000 χ^2/NDF:12884592.7/61

All: 0.000+/-0.000 χ^2/NDF: 24821239.1/118

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: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

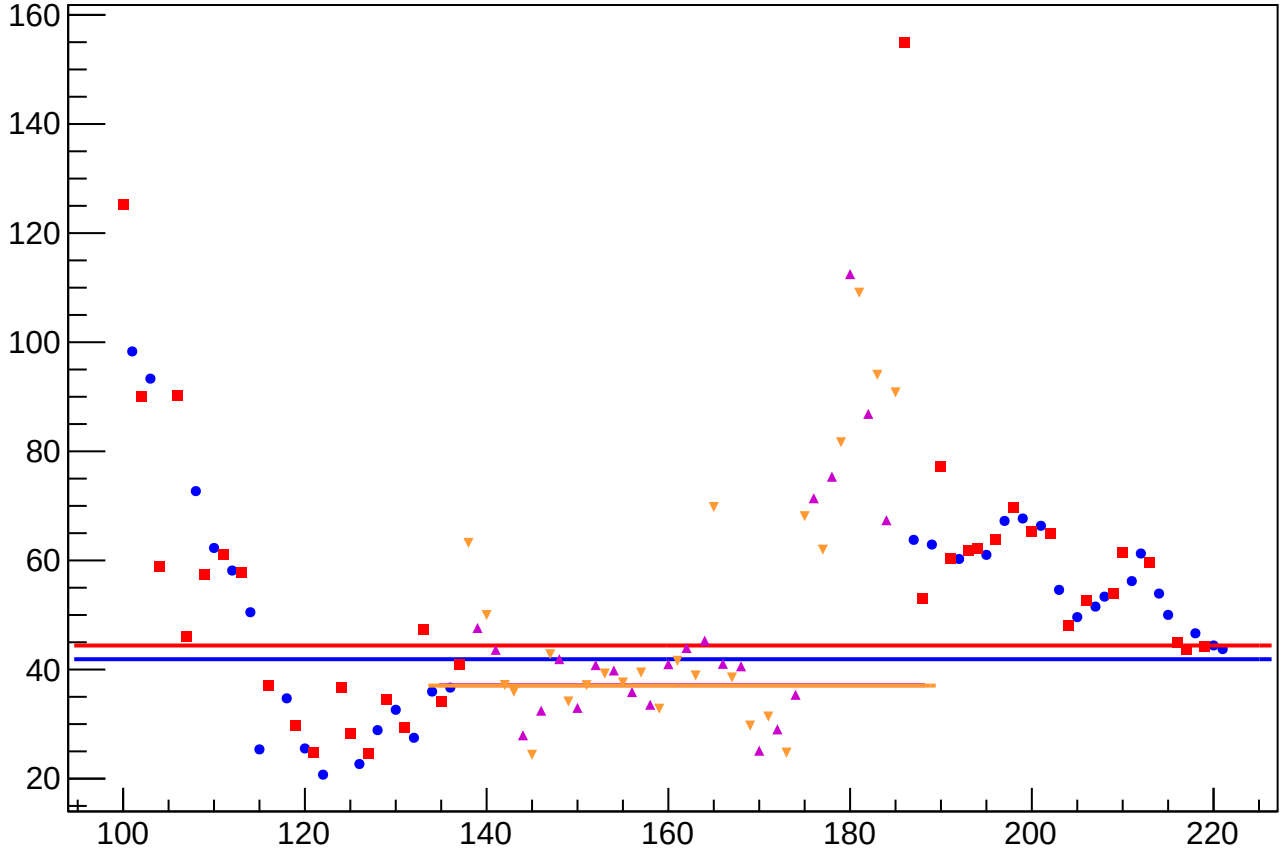
Right: -0.022+/-0.007 χ^2/NDF: 240.0/70

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.004+/-0.005 χ^2/NDF: 292.4/118

asym_sam_26_48_dd_dit_vs_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: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

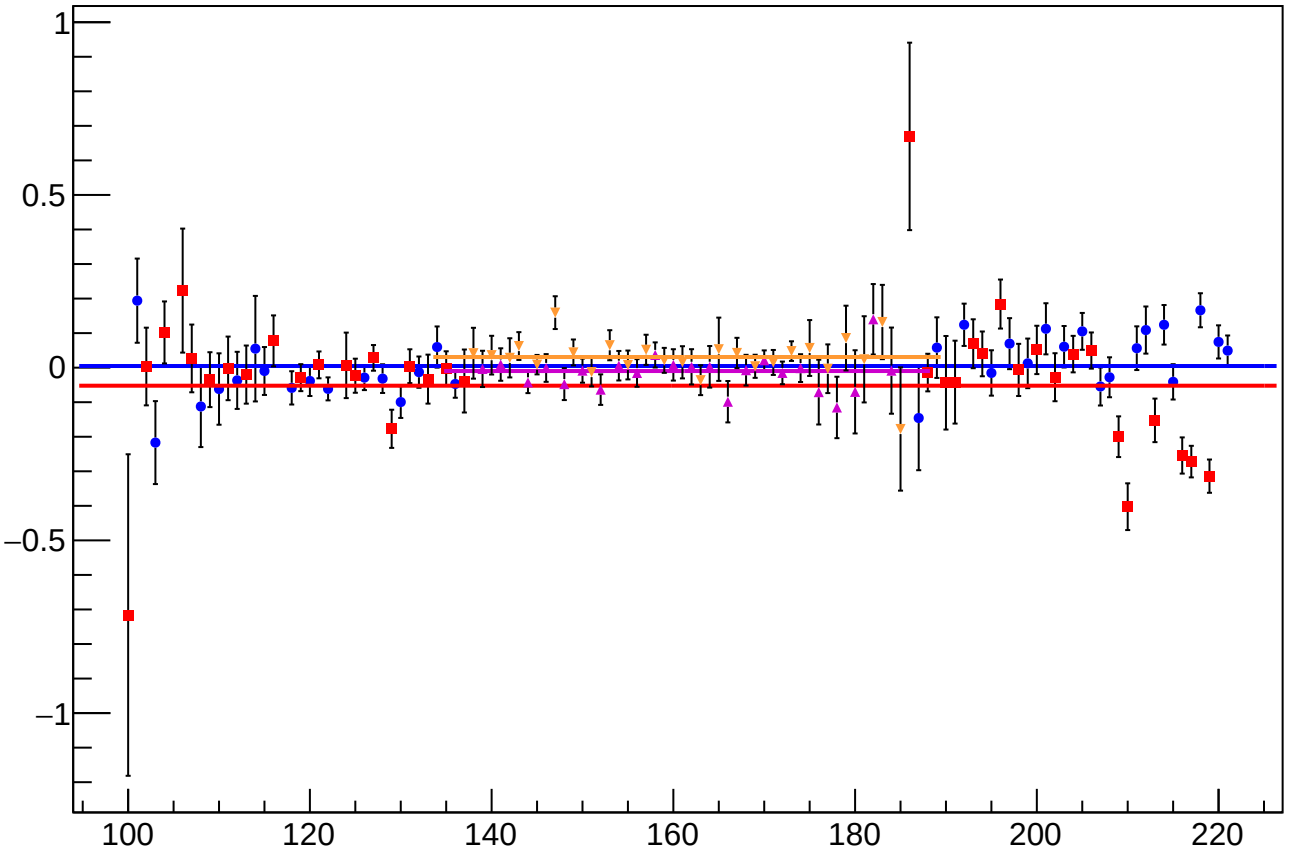
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.067+/-0.005 χ^2/NDF: 10010480.9/70

In: 39.446+/-0.005 χ^2/NDF:8623929.5/56

Out: 40.292+/-0.005 χ^2/NDF:9211932.1/61

All: 39.862+/-0.003 χ^2/NDF: 17851468.1/118



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: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

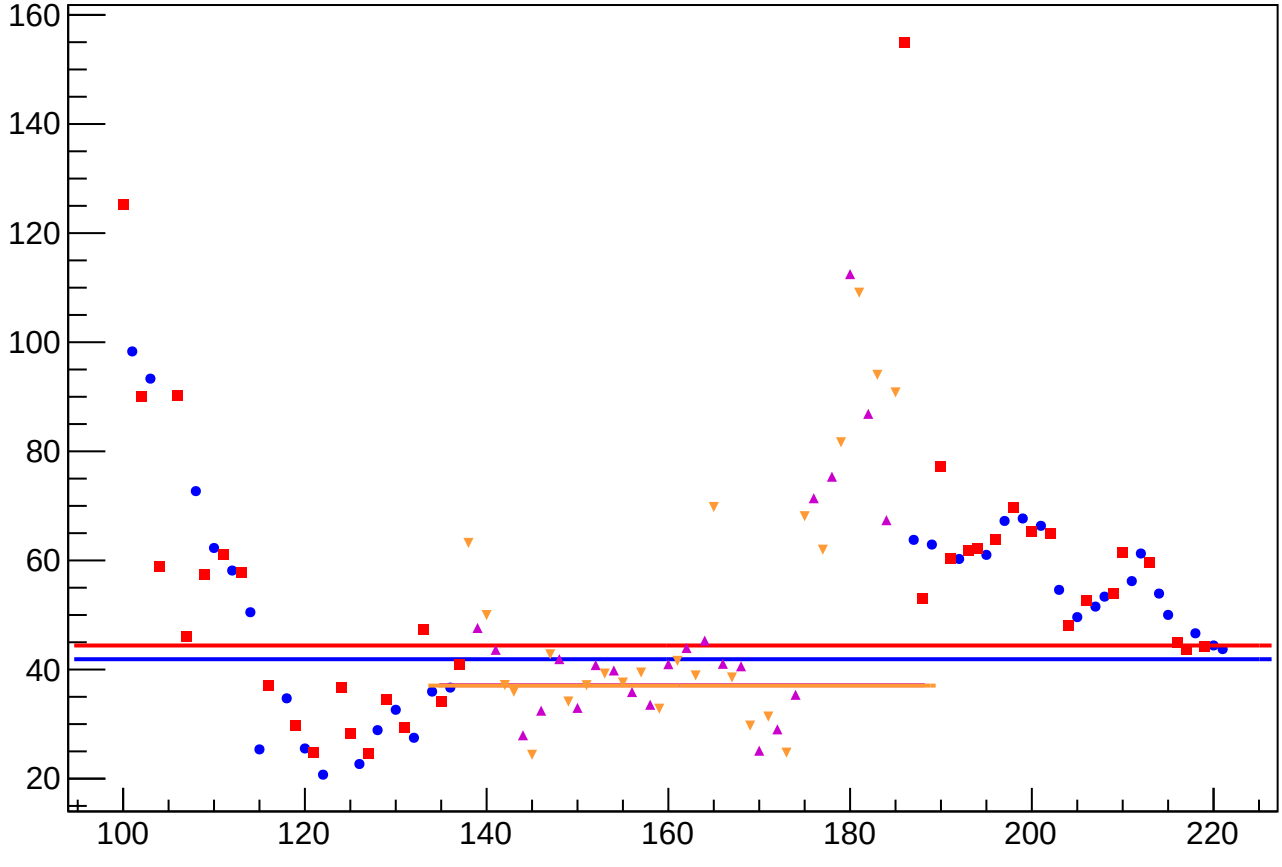
Right: -0.022+/-0.007 χ^2/NDF: 240.0/70

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.004+/-0.005 χ^2/NDF: 292.4/118

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: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

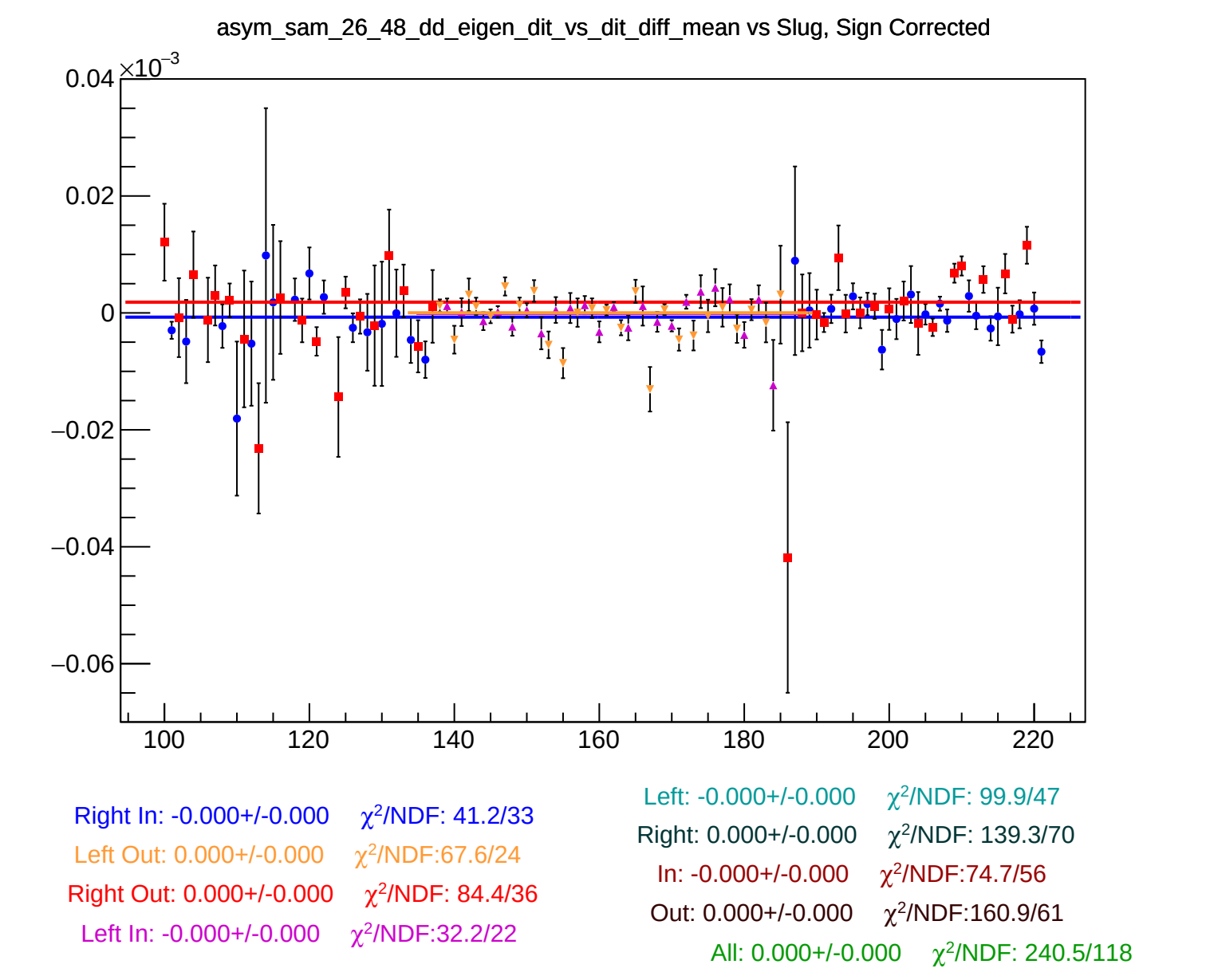
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.067+/-0.005 χ^2/NDF: 10010480.9/70

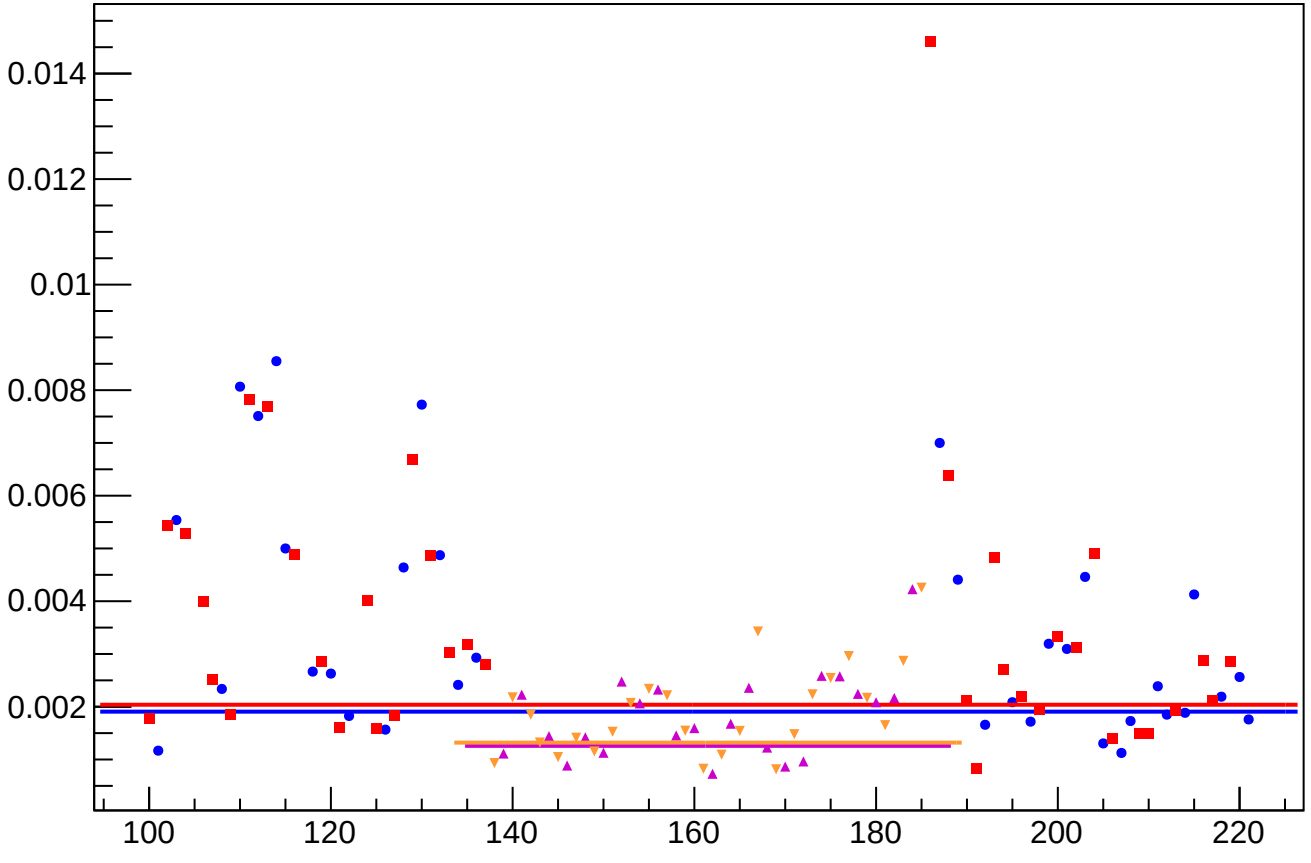
In: 39.446+/-0.005 χ^2/NDF:8623929.5/56

Out: 40.292+/-0.005 χ^2/NDF:9211932.1/61

All: 39.862+/-0.003 χ^2/NDF: 17851468.1/118


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: 84.4/36
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: 139.3/70
In: -0.000+/-0.000 χ²/NDF:74.7/56
Out: 0.000+/-0.000 χ²/NDF:160.9/61
All: 0.000+/-0.000 χ²/NDF: 240.5/118

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: 8782952.8/36

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

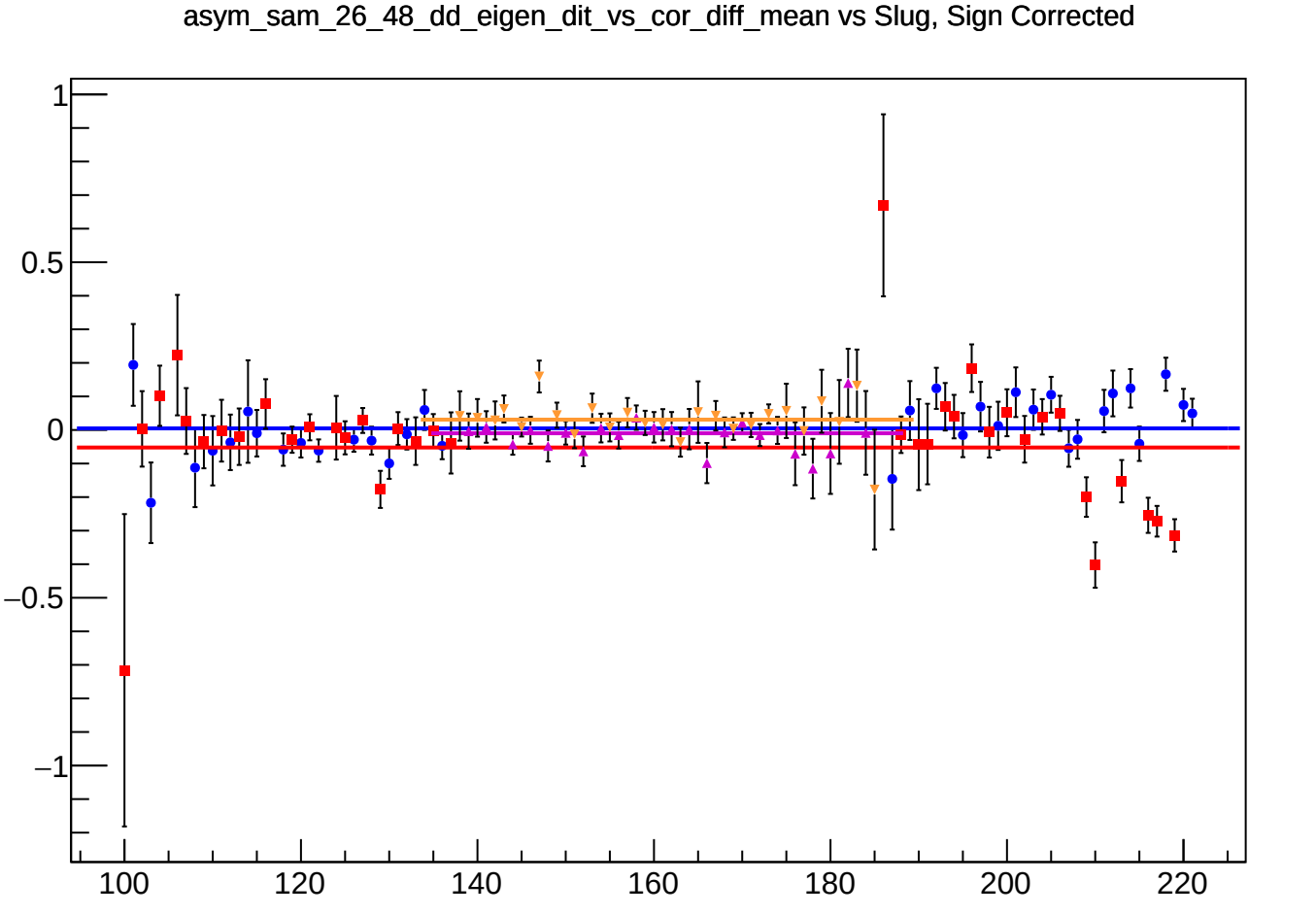
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 16207781.7/70

In: 0.001+/-0.000 χ^2/NDF:15290477.2/56

Out: 0.002+/-0.000 χ^2/NDF:17197245.3/61

All: 0.002+/-0.000 χ^2/NDF: 32537731.8/118



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: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

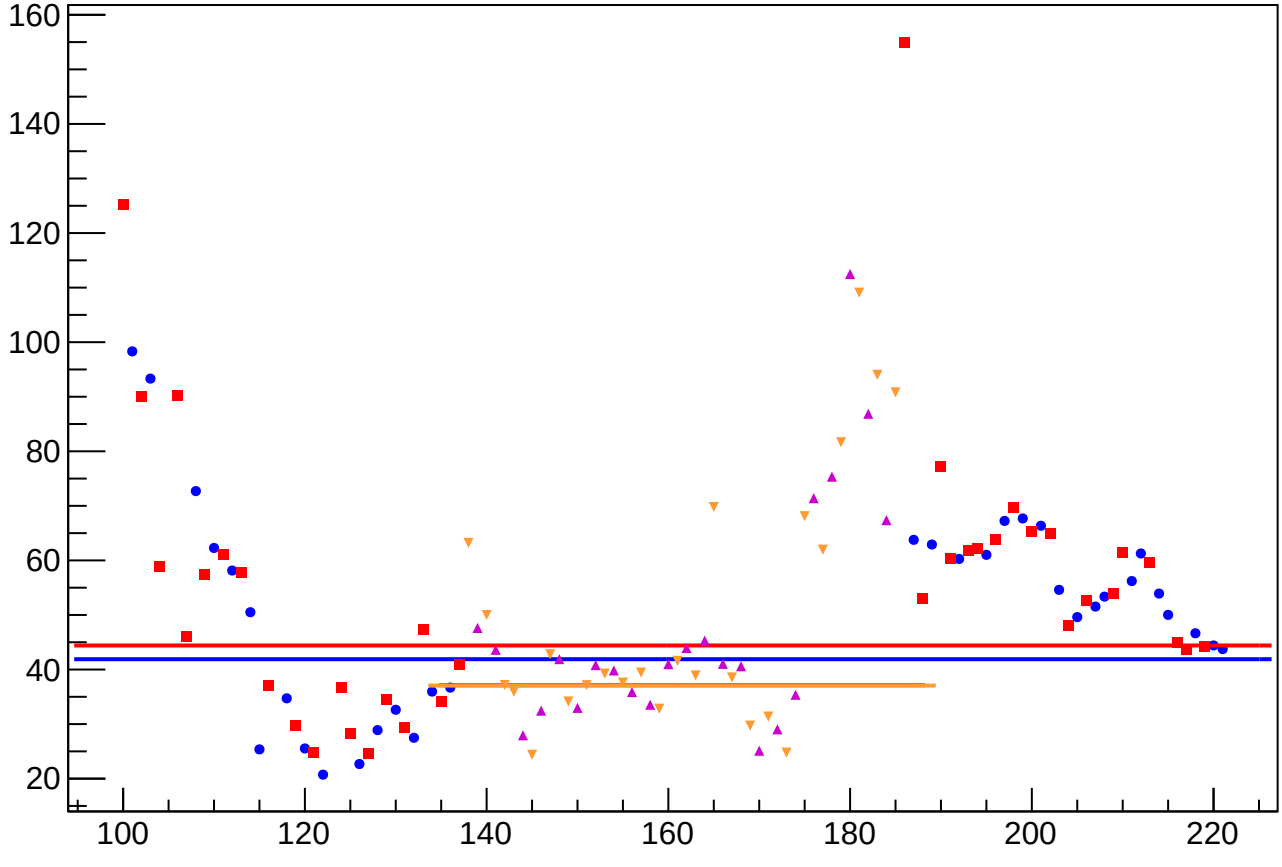
Right: -0.022+/-0.007 χ^2/NDF: 240.0/70

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.004+/-0.005 χ^2/NDF: 292.4/118

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: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

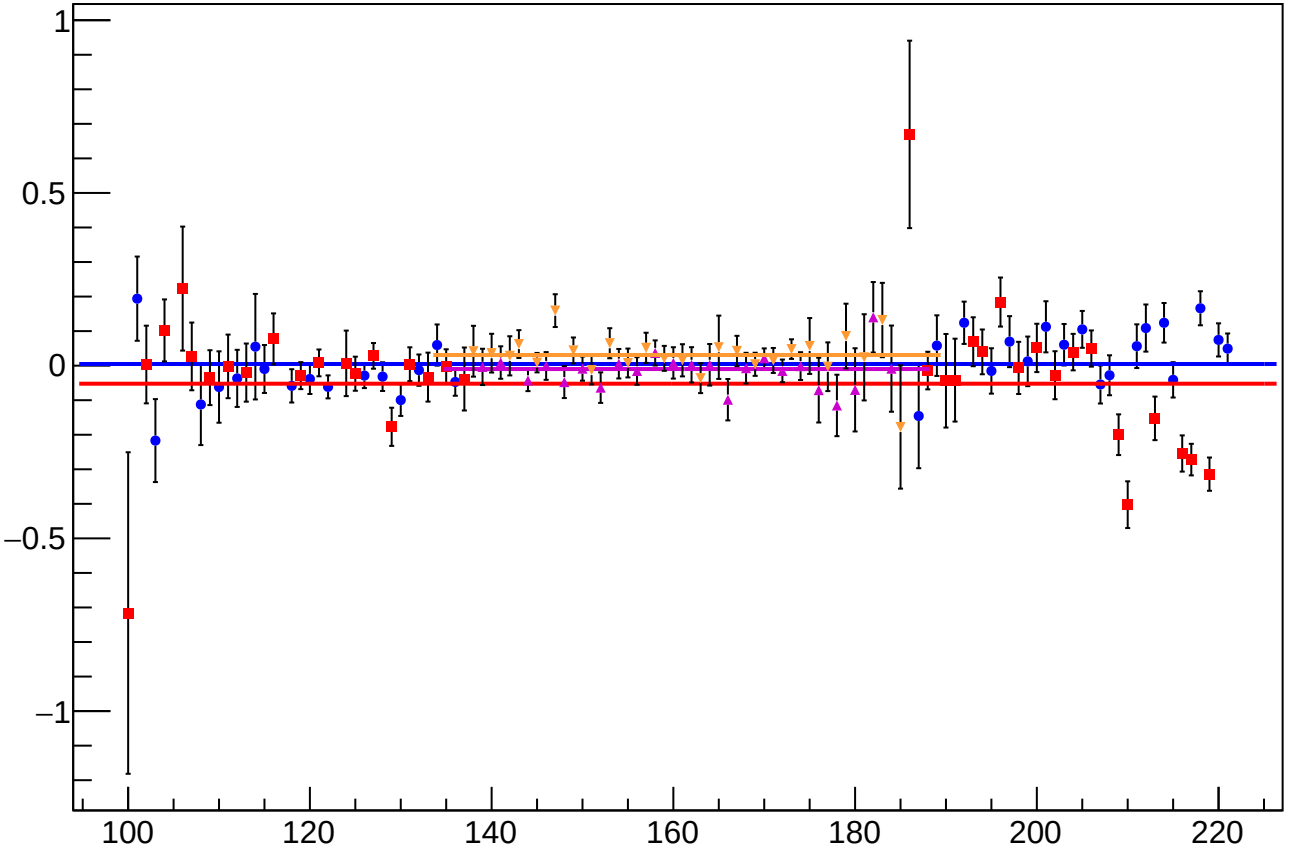
Right: 43.068+/-0.005 χ^2/NDF: 10010126.1/70

In: 39.446+/-0.005 χ^2/NDF:8623793.0/56

Out: 40.292+/-0.005 χ^2/NDF:9211772.5/61

All: 39.862+/-0.003 χ^2/NDF: 17851172.6/118

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: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

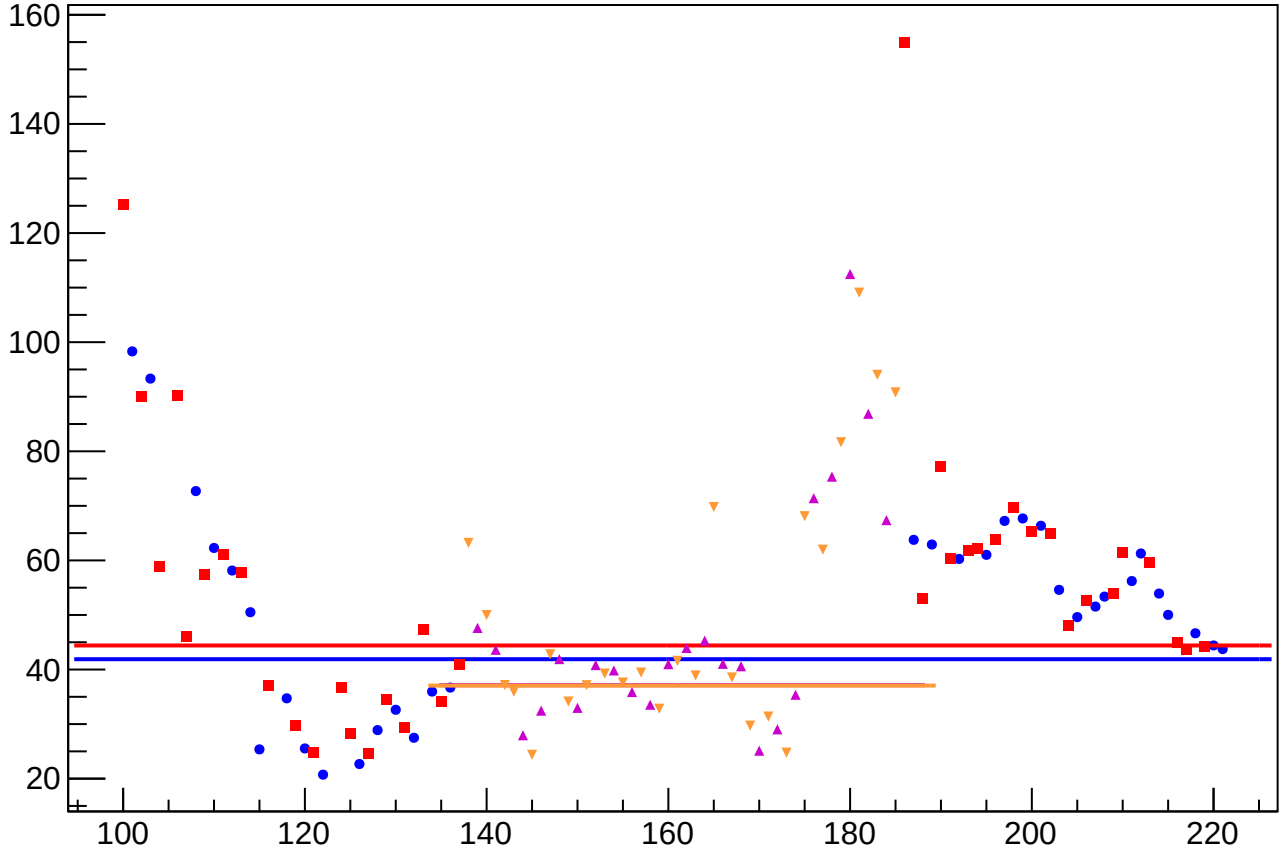
Right: -0.022+/-0.007 χ^2/NDF: 240.0/70

In: -0.003+/-0.007 χ^2/NDF:74.2/56

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.004+/-0.005 χ^2/NDF: 292.4/118

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: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

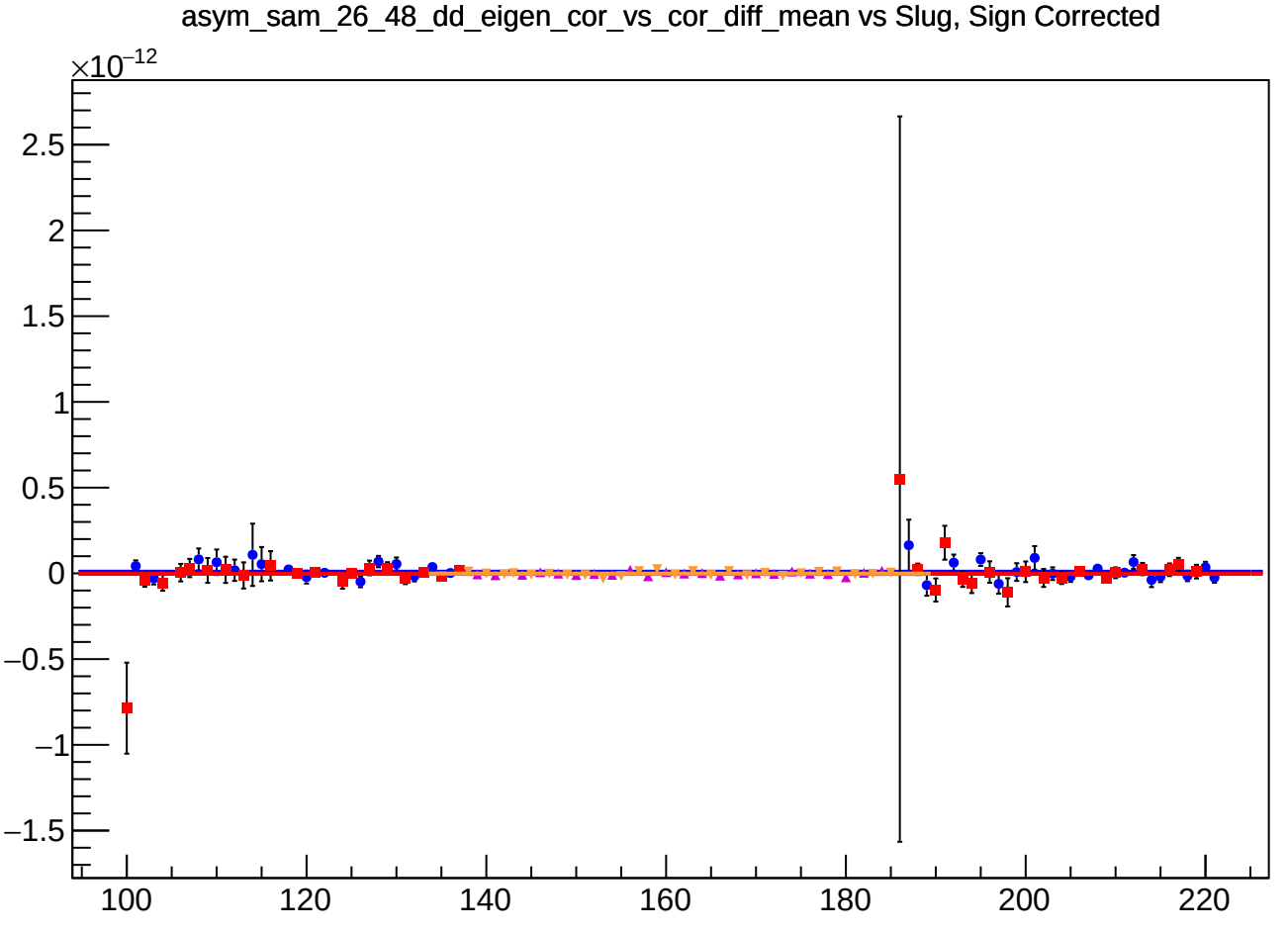
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 43.068+/-0.005 χ^2/NDF: 10010126.1/70

In: 39.446+/-0.005 χ^2/NDF:8623793.0/56

Out: 40.292+/-0.005 χ^2/NDF:9211772.5/61

All: 39.862+/-0.003 χ^2/NDF: 17851172.6/118



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: 32.5/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

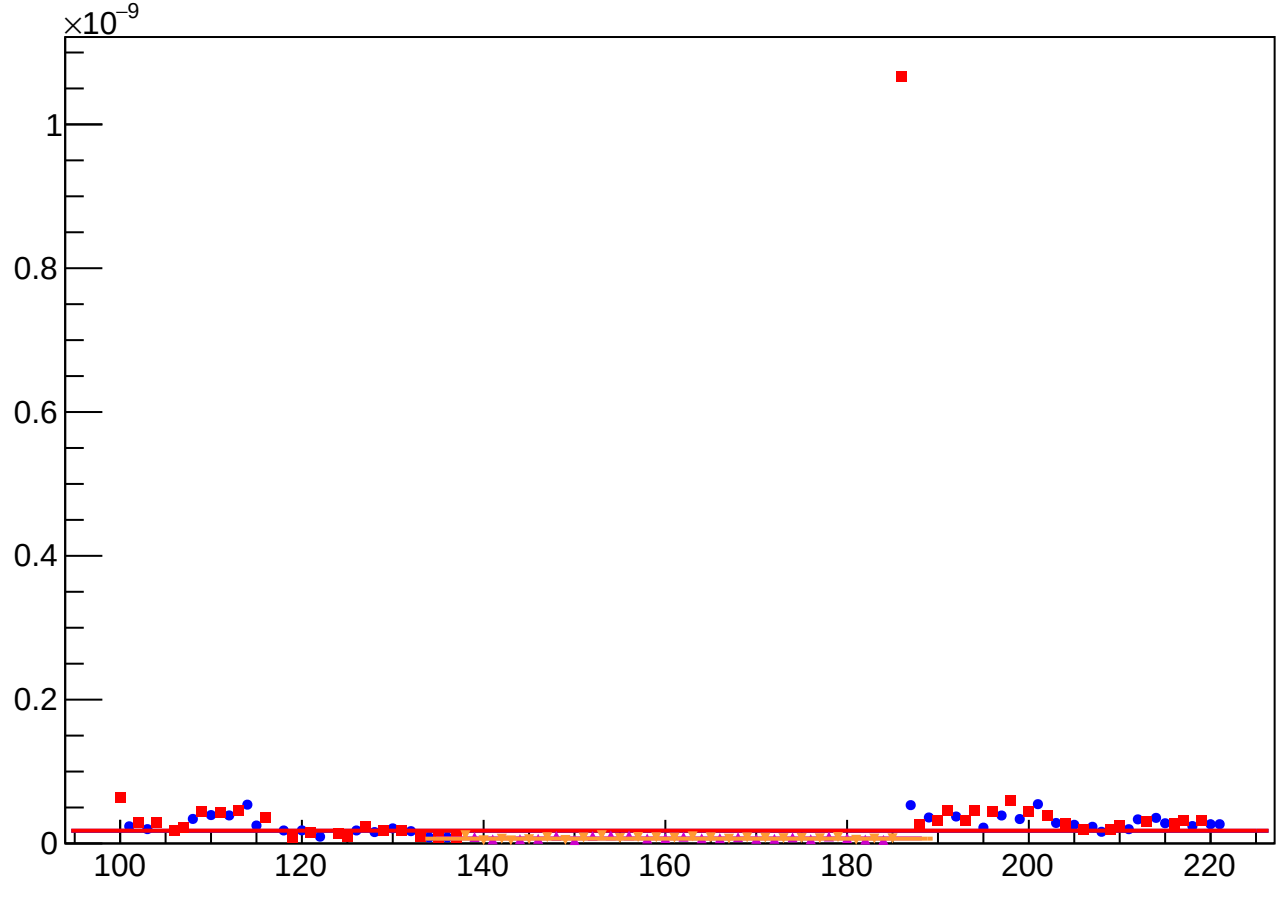
Right: 0.000+/-0.000 χ^2/NDF: 71.6/70

In: -0.000+/-0.000 χ^2/NDF:62.3/56

Out: -0.000+/-0.000 χ^2/NDF:58.5/61

All: -0.000+/-0.000 χ^2/NDF: 120.8/118

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: 8388985.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

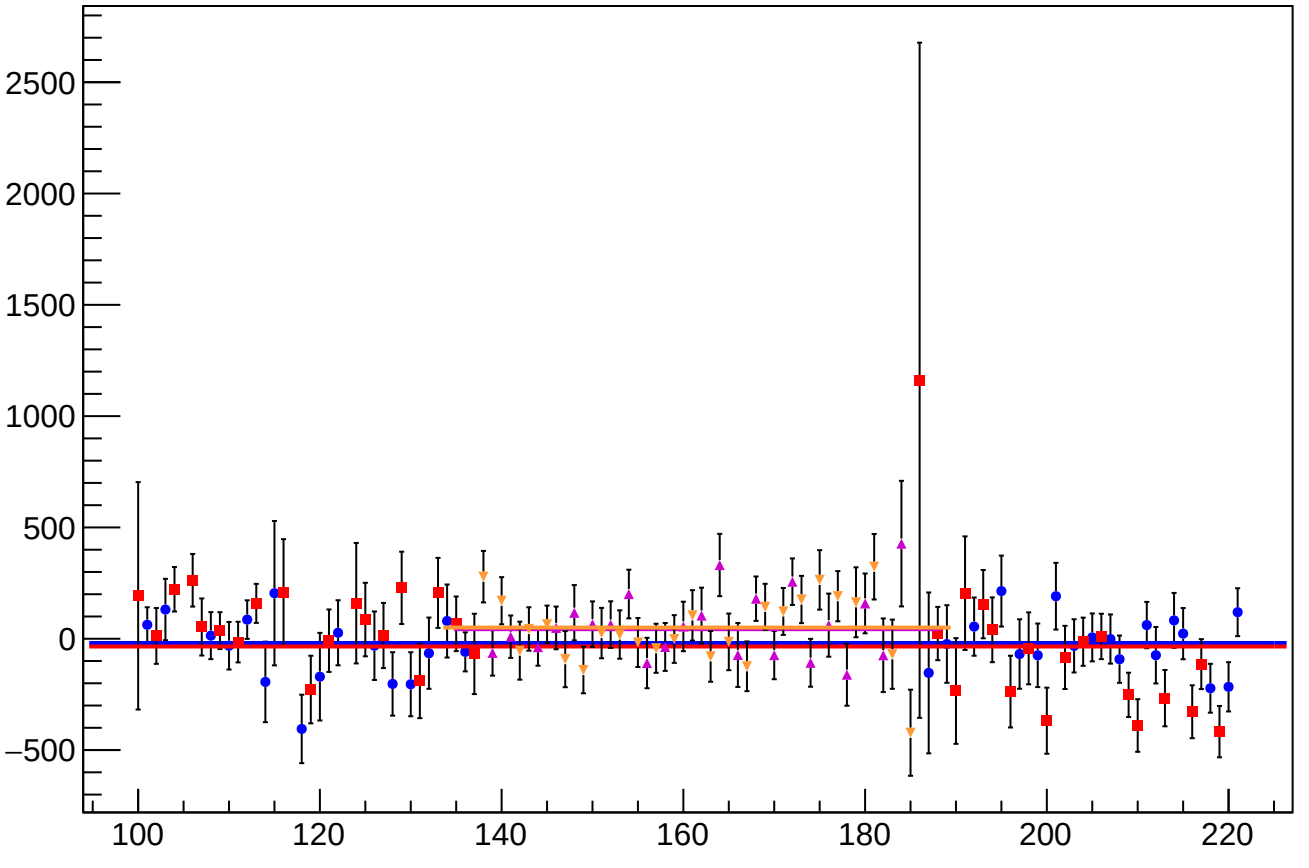
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15268432.7/70

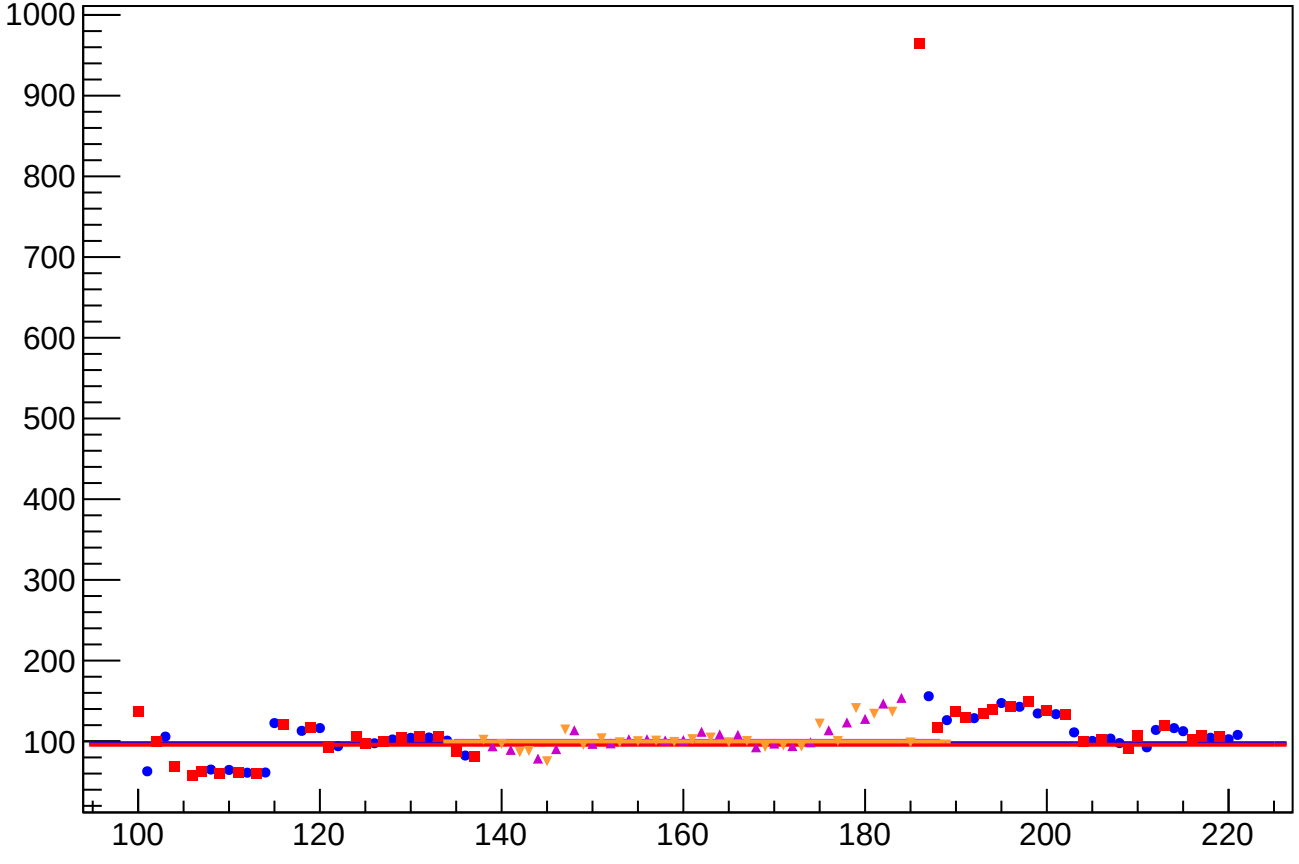
In: 0.000+/-0.000 χ^2/NDF:15541151.5/56

Out: 0.000+/-0.000 χ^2/NDF:17831837.4/61

All: 0.000+/-0.000 χ^2/NDF: 33491161.3/118


reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
100
120
140
160
180
200
220
Right In: -19.112+/-21.455 χ²/NDF: 31.5/33
Left Out: 50.314+/-22.958 χ²/NDF:33.5/24
Right Out: -34.788+/-21.704 χ²/NDF: 75.8/36
Left In: 43.026+/-23.758 χ²/NDF:26.6/22
Left: 46.795+/-16.509 χ²/NDF: 60.1/47
Right: -26.859+/-15.258 χ²/NDF: 107.6/70
In: 8.800+/-15.923 χ²/NDF:61.8/56
Out: 5.376+/-15.771 χ²/NDF:116.5/61
All: 7.071+/-11.205 χ²/NDF: 178.4/118

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: 95.758+/-0.015 χ^2/NDF: 3584528.3/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

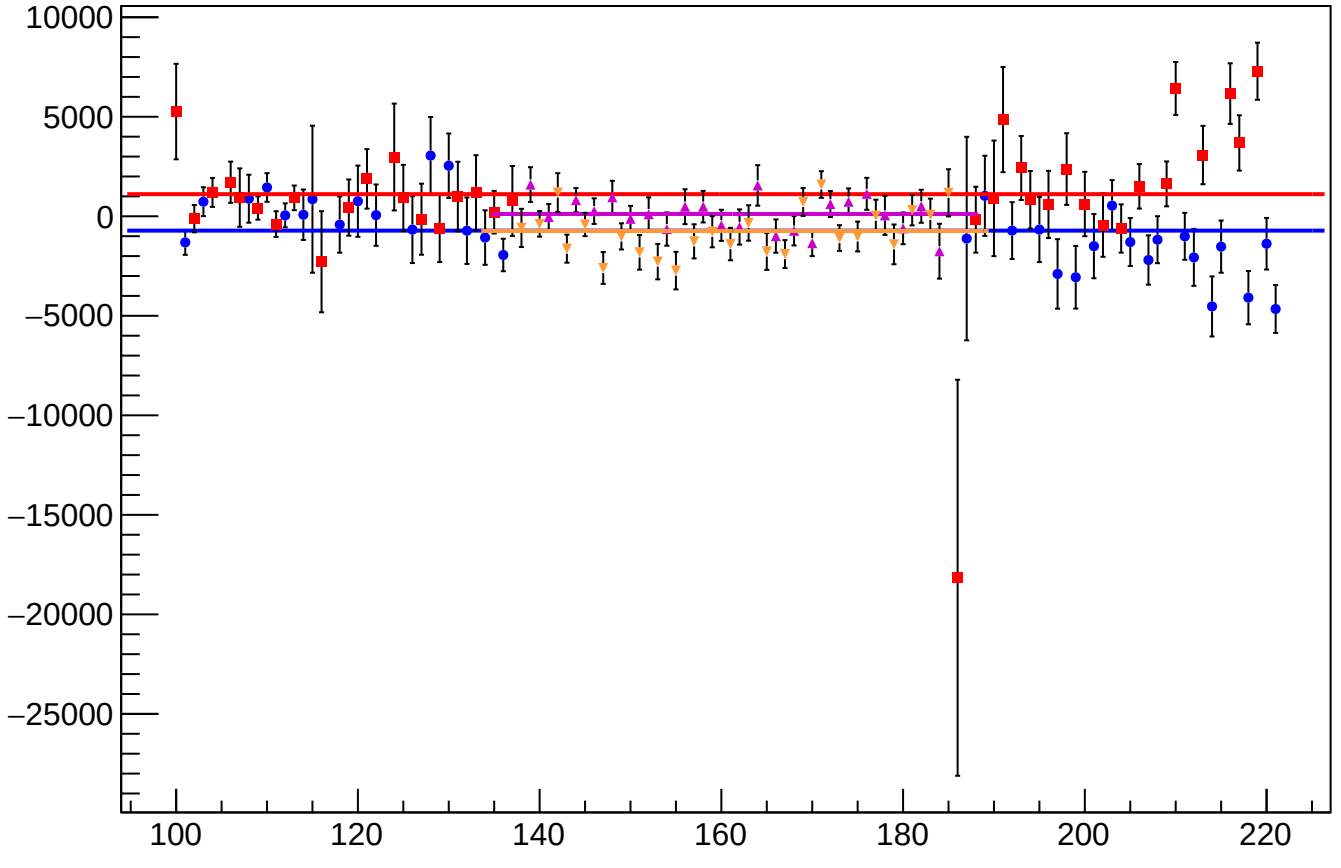
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 96.709+/-0.011 χ^2/NDF: 5942190.2/70

In: 98.923+/-0.011 χ^2/NDF:3022876.8/56

Out: 97.684+/-0.011 χ^2/NDF:4315661.1/61

All: 98.298+/-0.008 χ^2/NDF: 7344648.5/118



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: 1111.304+/-199.015 χ^2/NDF: 80.3/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

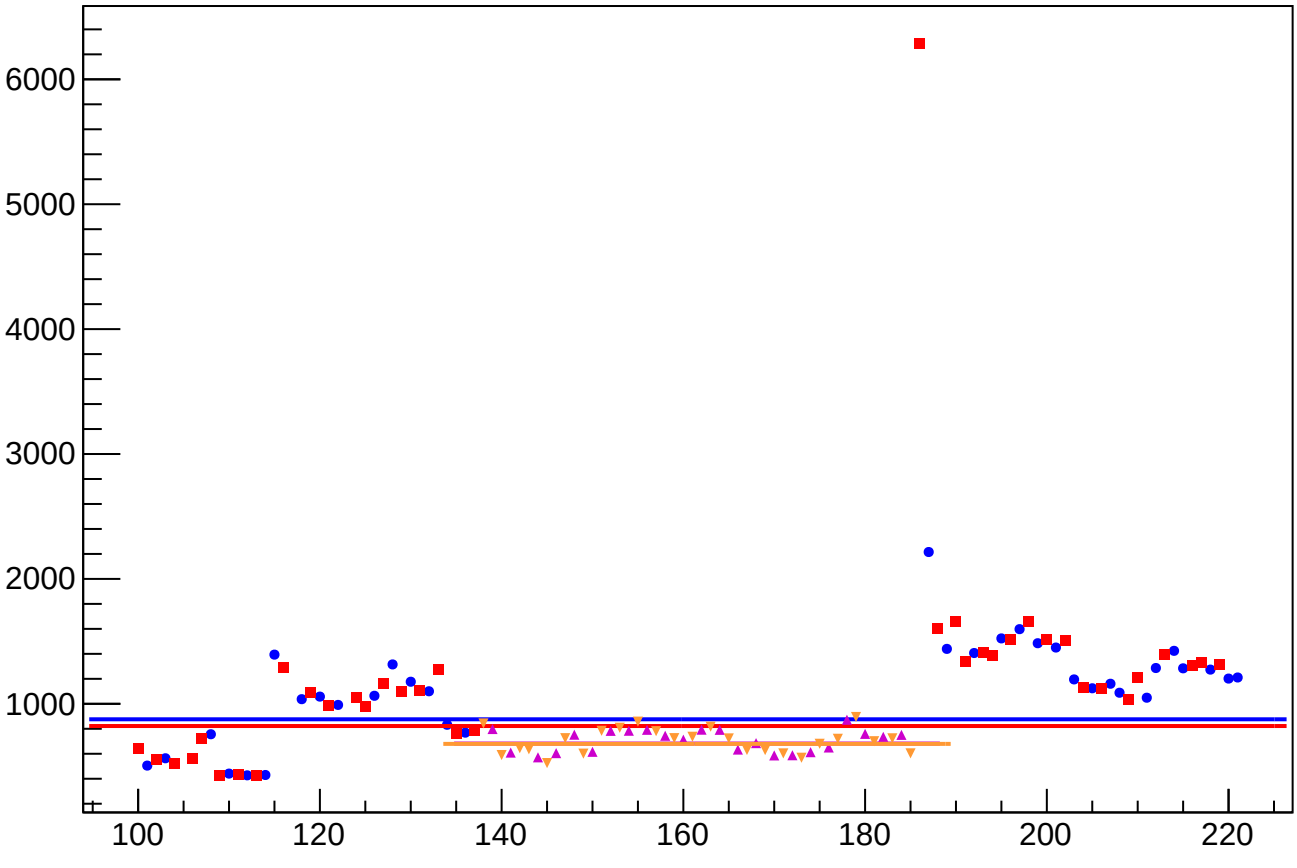
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 215.743+/-142.284 χ^2/NDF: 183.3/70

In: -206.272+/-126.258 χ^2/NDF:95.8/56

Out: -32.664+/-122.928 χ^2/NDF:183.3/61

All: -117.148+/-88.077 χ^2/NDF: 280.1/118



Right In: 876.025+/-0.144 χ^2/NDF: 6822995.2/33

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 822.098+/-0.141 χ^2/NDF: 8656813.9/36

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

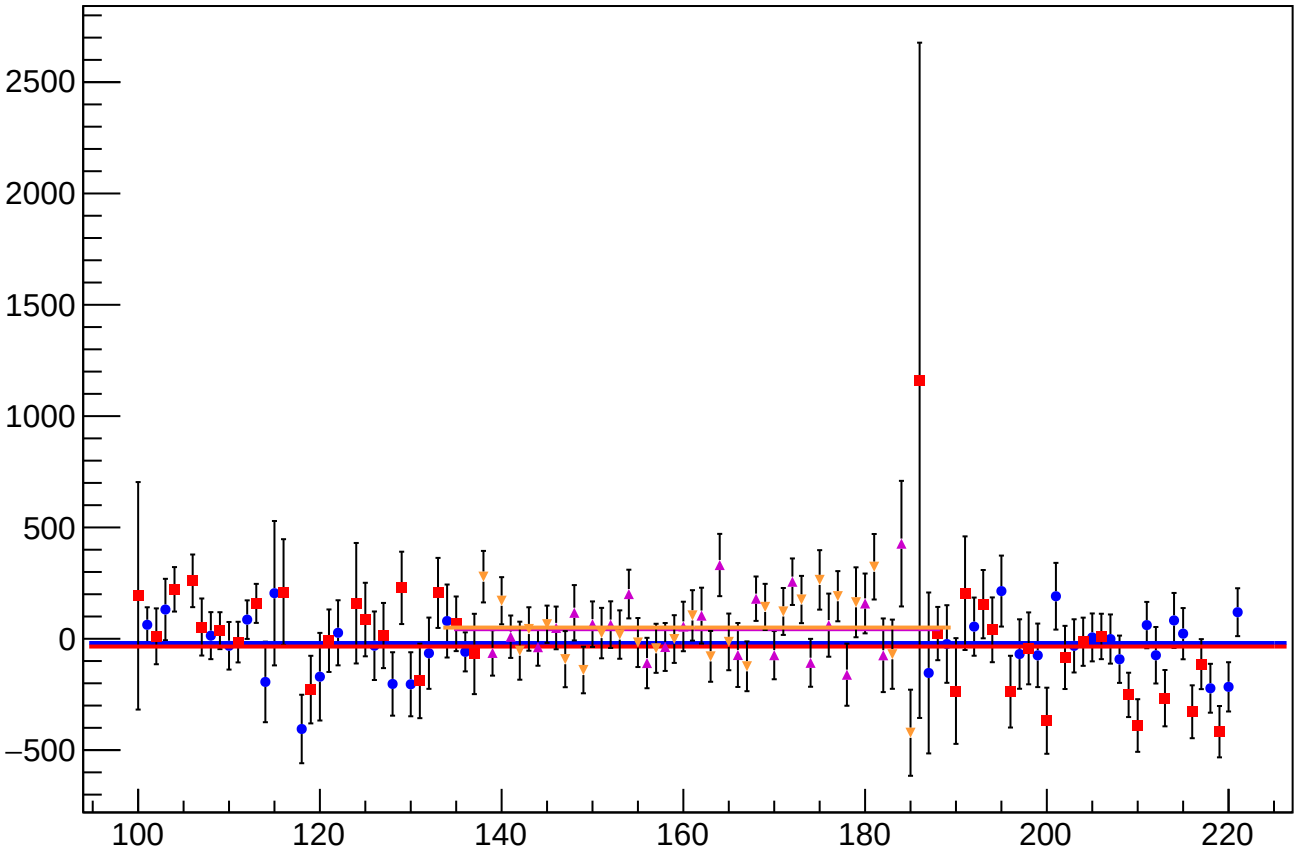
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 848.461+/-0.101 χ^2/NDF: 15551598.1/70

In: 756.622+/-0.089 χ^2/NDF:8516293.0/56

Out: 733.686+/-0.087 χ^2/NDF:10032433.9/61

All: 744.848+/-0.062 χ^2/NDF: 18582608.0/11



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: -34.931+/-21.704 χ^2/NDF: 75.7/36

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

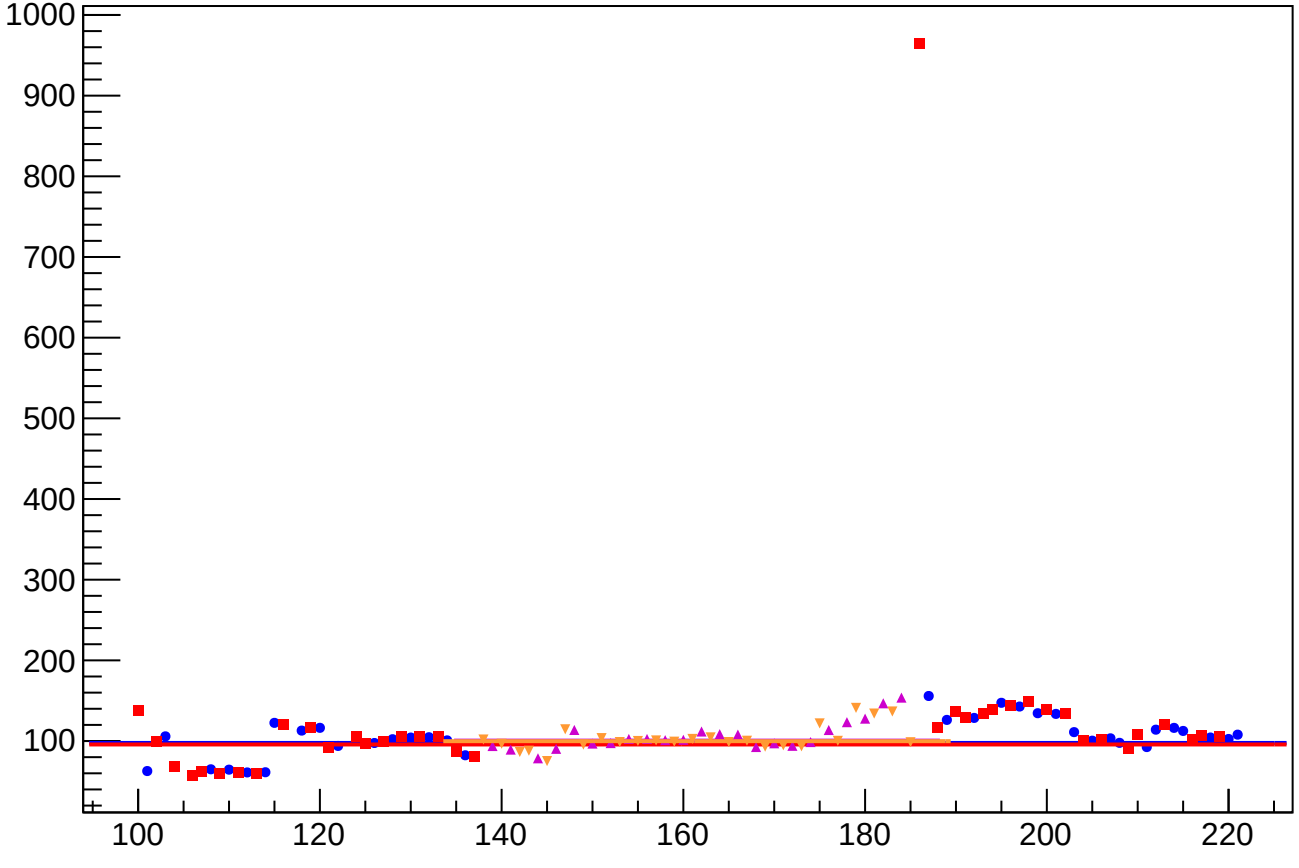
Right: -26.931+/-15.258 χ^2/NDF: 107.4/70

In: 8.799+/-15.923 χ^2/NDF:61.8/56

Out: 5.305+/-15.772 χ^2/NDF:116.4/61

All: 7.035+/-11.205 χ^2/NDF: 178.3/118

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: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

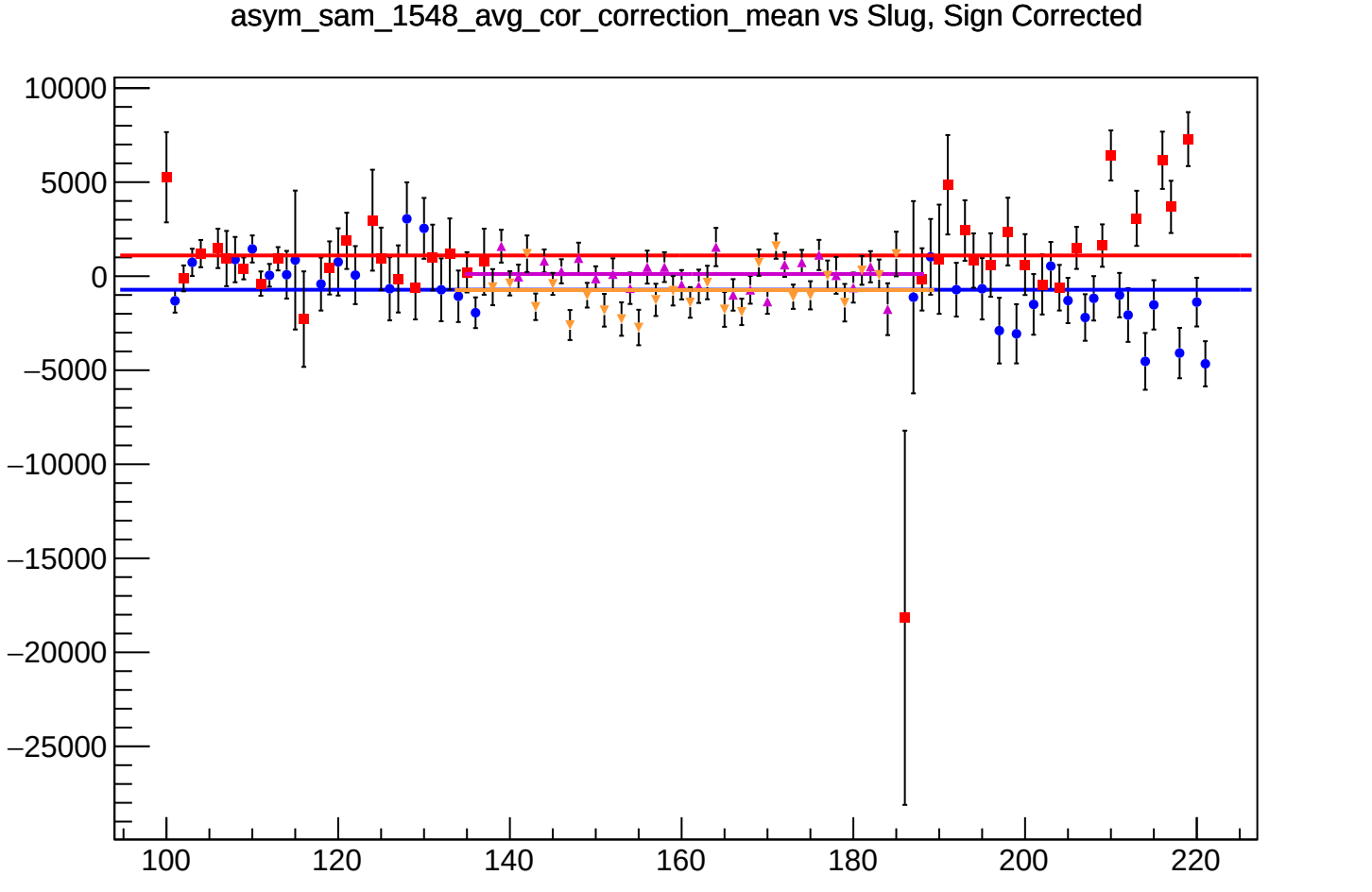
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.705+/-0.011 χ^2/NDF: 5945769.4/70

In: 98.923+/-0.011 χ^2/NDF:3022877.6/56

Out: 97.680+/-0.011 χ^2/NDF:4319310.2/61

All: 98.295+/-0.008 χ^2/NDF: 7348343.1/118



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: 1102.768+/-199.101 χ^2/NDF: 80.0/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

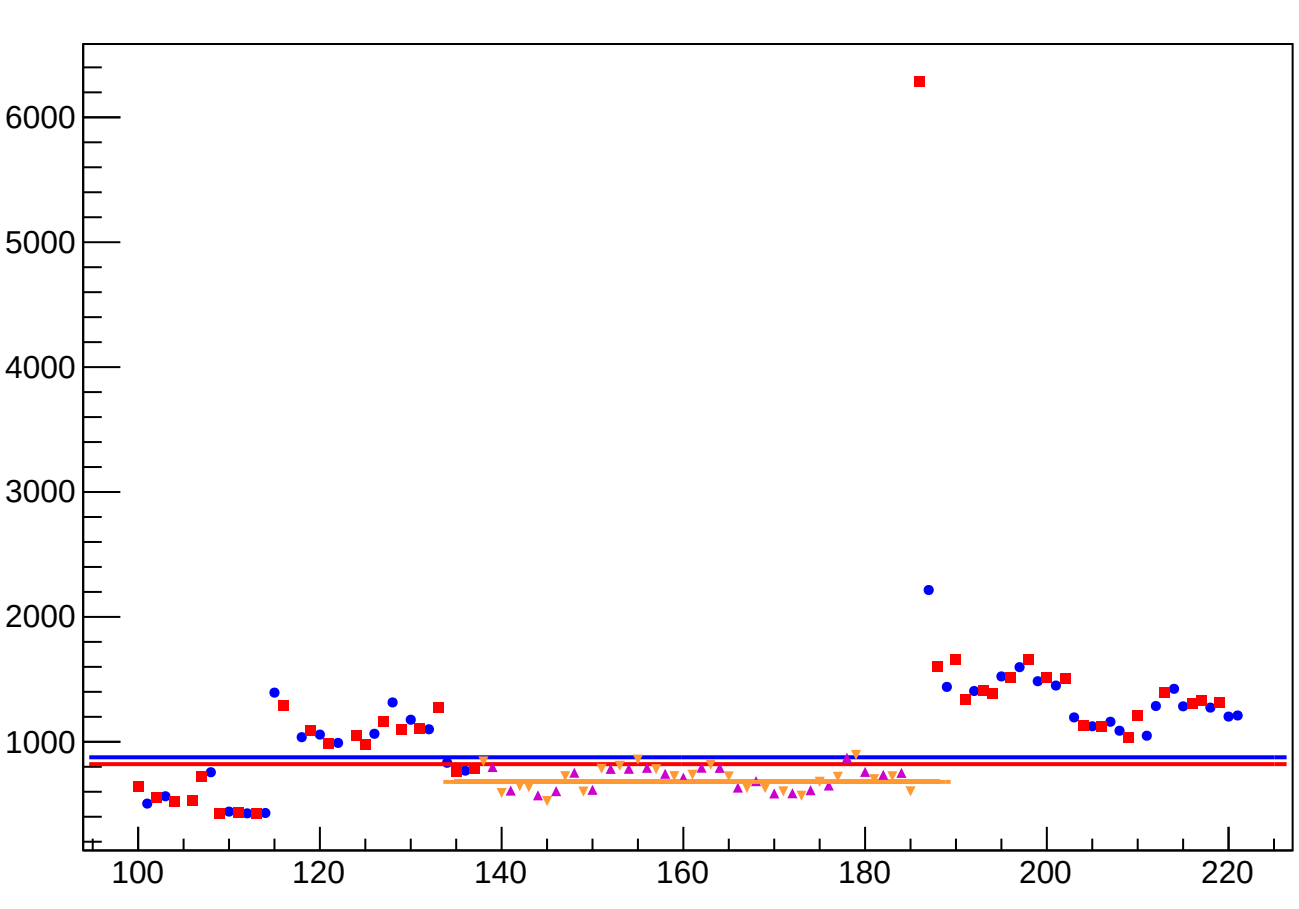
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 210.980+/-142.316 χ^2/NDF: 182.7/70

In: -206.279+/-126.258 χ^2/NDF:95.8/56

Out: -36.288+/-122.948 χ^2/NDF:182.6/61

All: -119.026+/-88.084 χ^2/NDF: 279.3/118



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: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

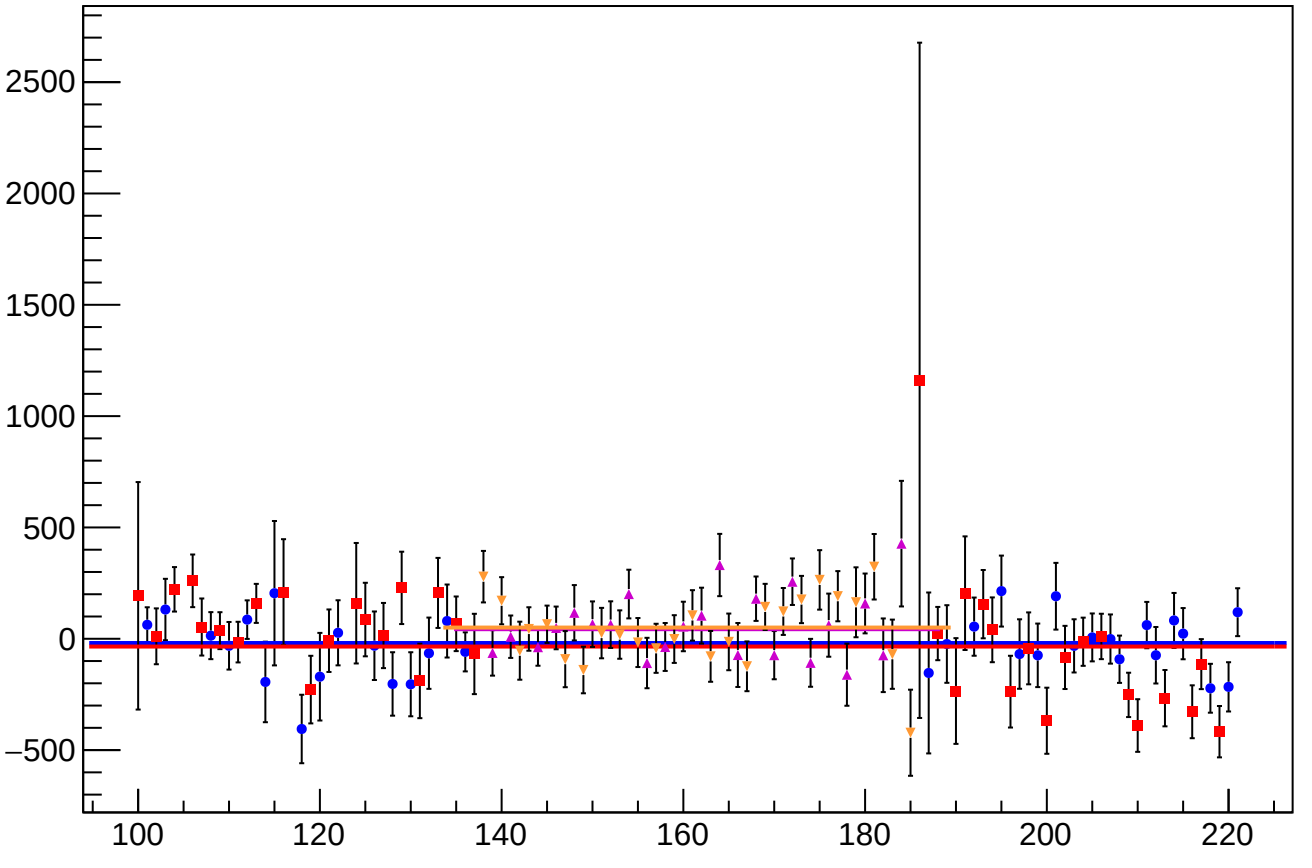
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 847.977+/-0.101 χ^2/NDF: 15584752.8/70

In: 756.625+/-0.089 χ^2/NDF:8516183.7/56

Out: 733.284+/-0.087 χ^2/NDF:10054128.0/61

All: 744.645+/-0.062 χ^2/NDF: 18605394.7/11



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: -34.931+/-21.704 χ^2/NDF: 75.7/36

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

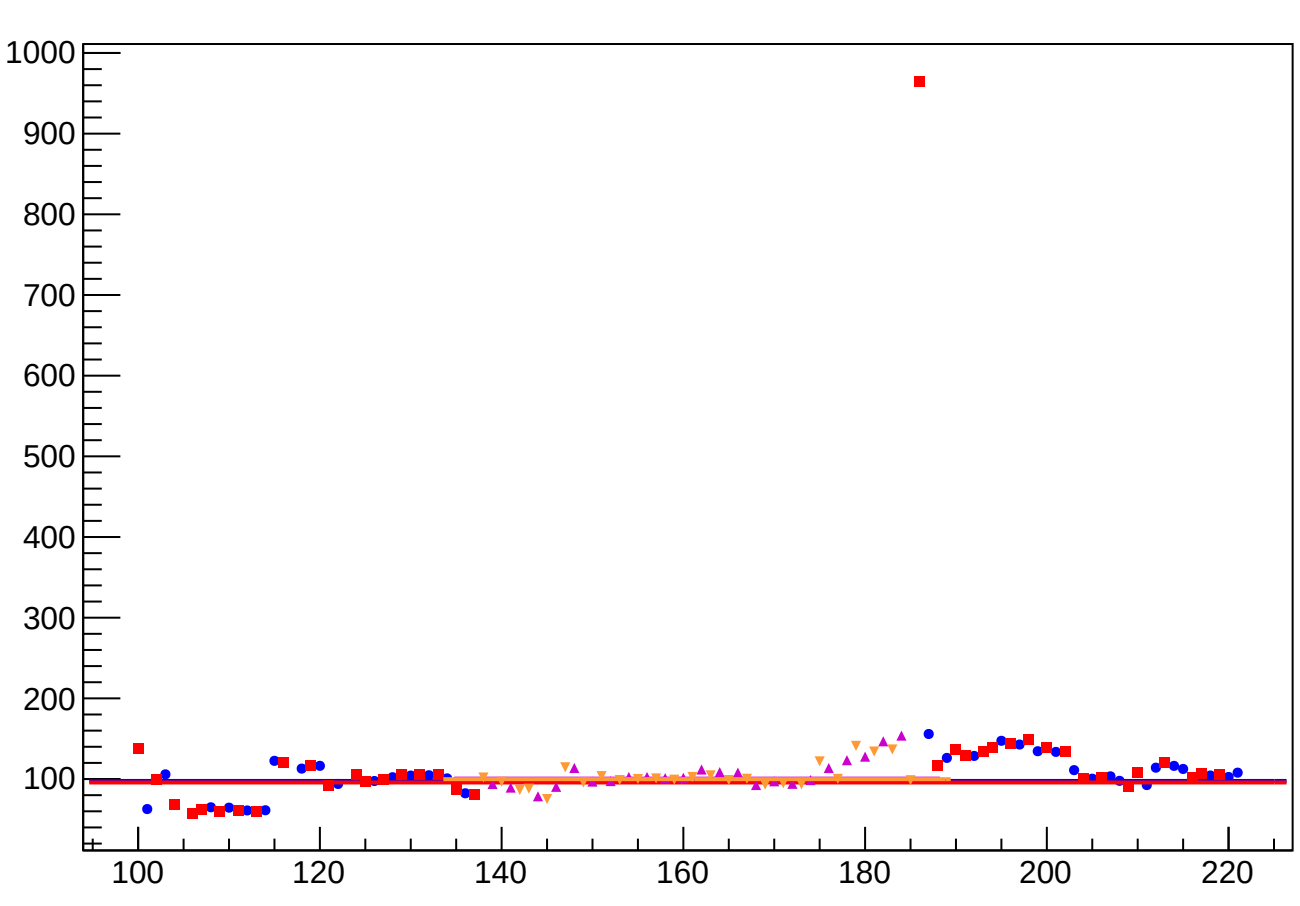
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -26.931+/-15.258 χ^2/NDF: 107.4/70

In: 8.799+/-15.923 χ^2/NDF:61.8/56

Out: 5.305+/-15.772 χ^2/NDF:116.4/61

All: 7.035+/-11.205 χ^2/NDF: 178.3/118



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: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

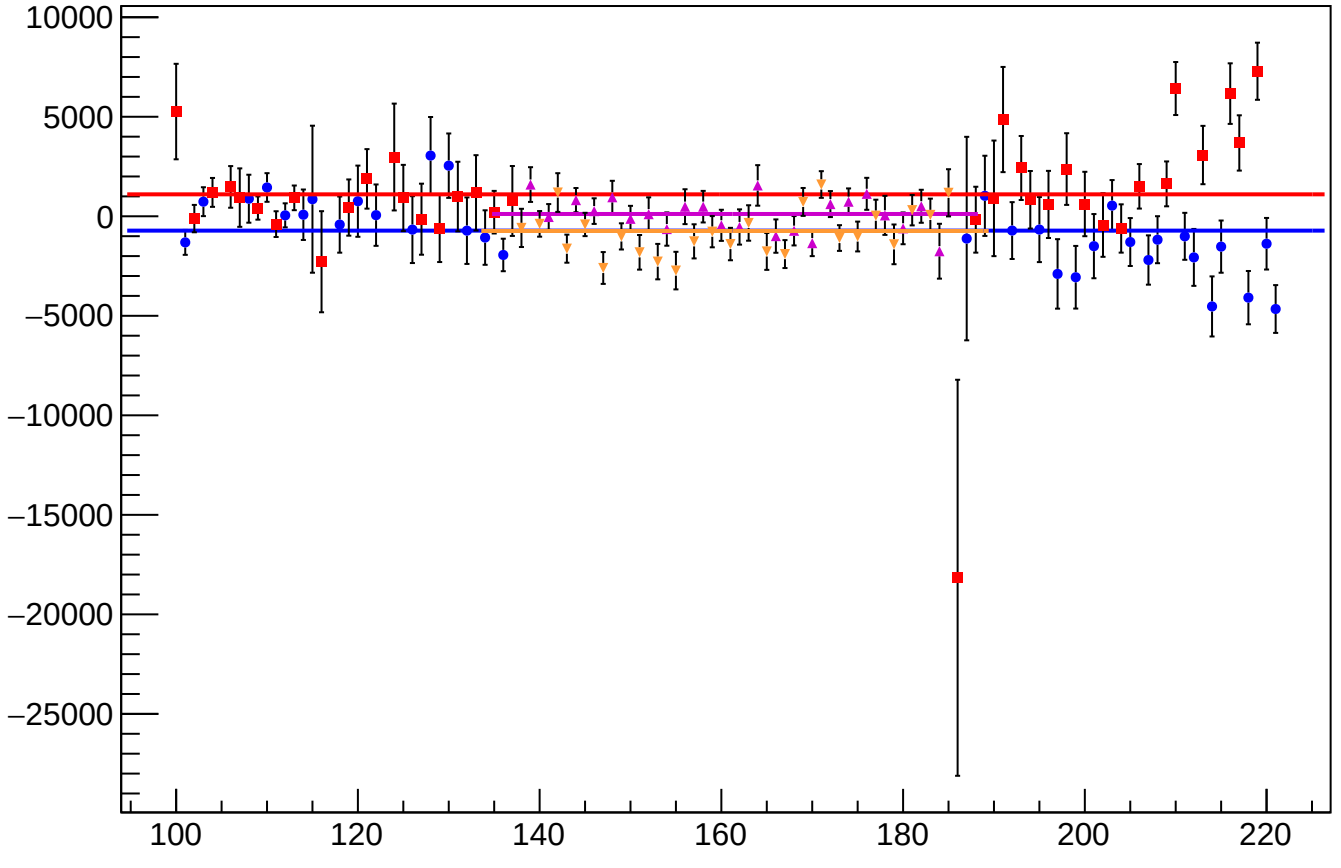
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.705+/-0.011 χ^2/NDF: 5945769.4/70

In: 98.923+/-0.011 χ^2/NDF:3022877.6/56

Out: 97.680+/-0.011 χ^2/NDF:4319310.2/61

All: 98.295+/-0.008 χ^2/NDF: 7348343.1/118



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: 1102.768+/-199.101 χ^2/NDF: 80.0/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

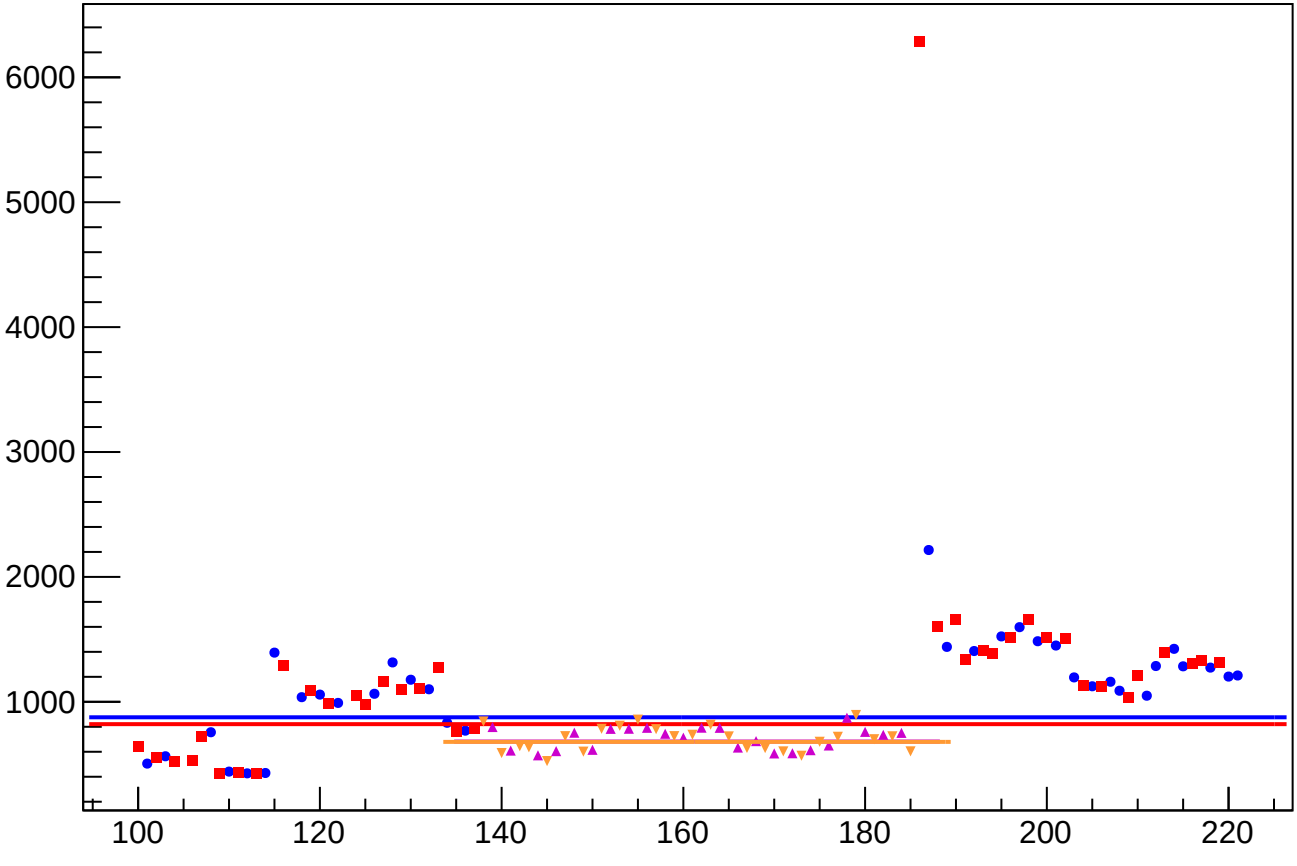
Right: 210.980+/-142.316 χ^2/NDF: 182.7/70

In: -206.279+/-126.258 χ^2/NDF:95.8/56

Out: -36.288+/-122.948 χ^2/NDF:182.6/61

All: -119.026+/-88.084 χ^2/NDF: 279.3/118

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: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

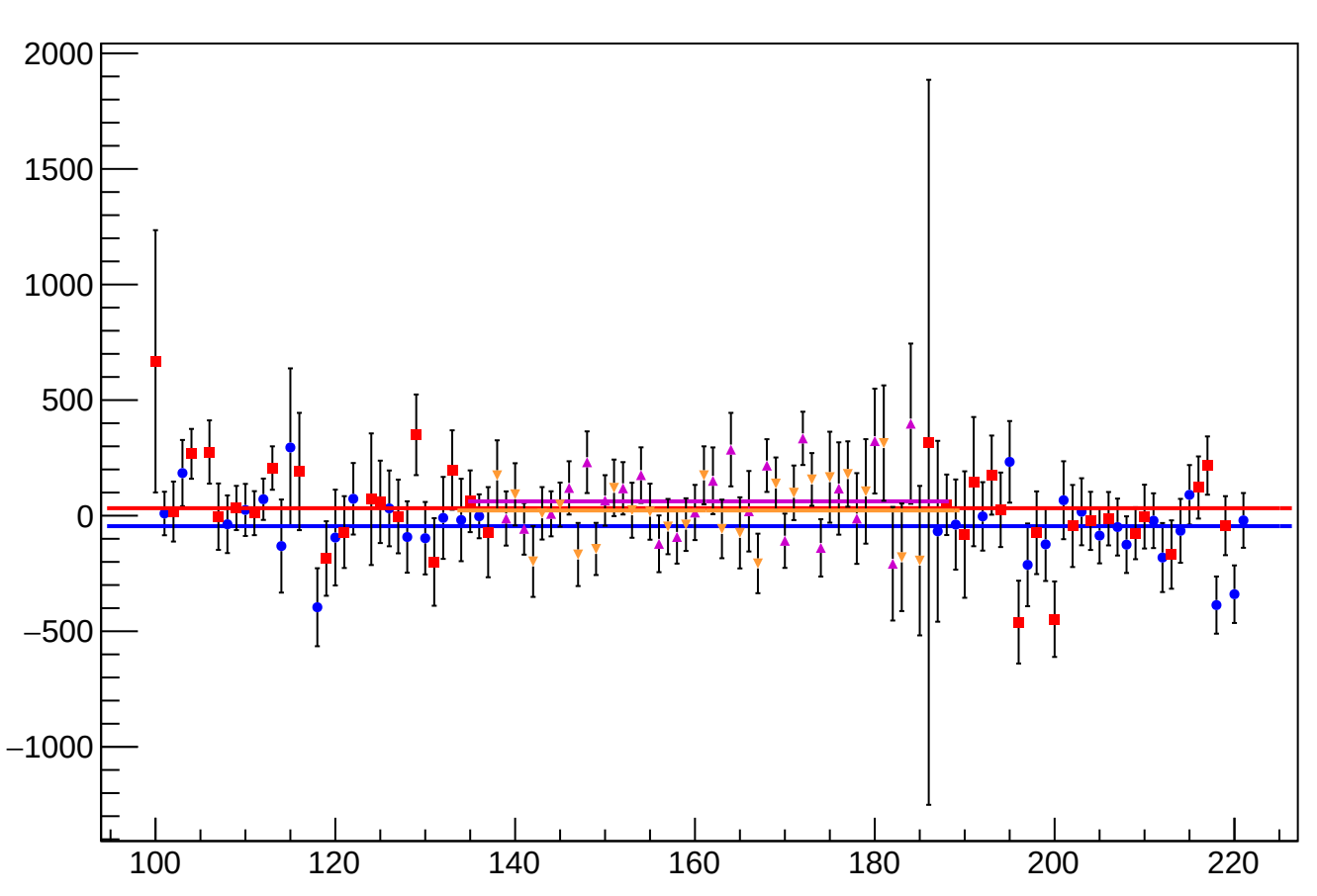
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 847.977+/-0.101 χ^2/NDF: 15584752.8/70

In: 756.625+/-0.089 χ^2/NDF:8516183.7/56

Out: 733.284+/-0.087 χ^2/NDF:10054128.0/61

All: 744.645+/-0.062 χ^2/NDF: 18605394.7/1



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: 32.365+/-24.088 χ^2/NDF: 45.5/36

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

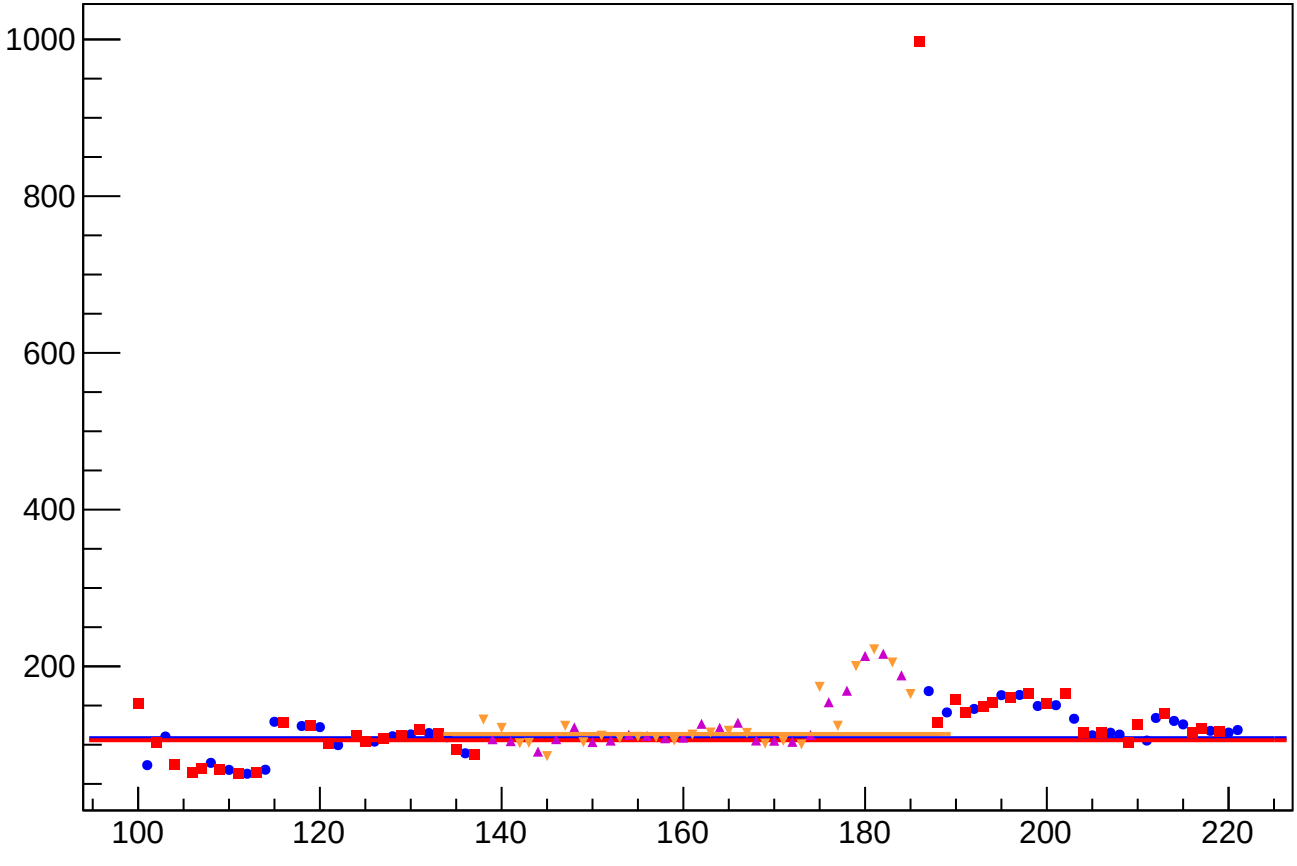
Right: -6.837+/-16.959 χ^2/NDF: 82.7/70

In: 1.173+/-17.985 χ^2/NDF:68.0/56

Out: 27.947+/-17.868 χ^2/NDF:67.2/61

All: 14.647+/-12.676 χ^2/NDF: 136.3/118

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: 105.740+/-0.017 χ^2/NDF: 3821603.0/36

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

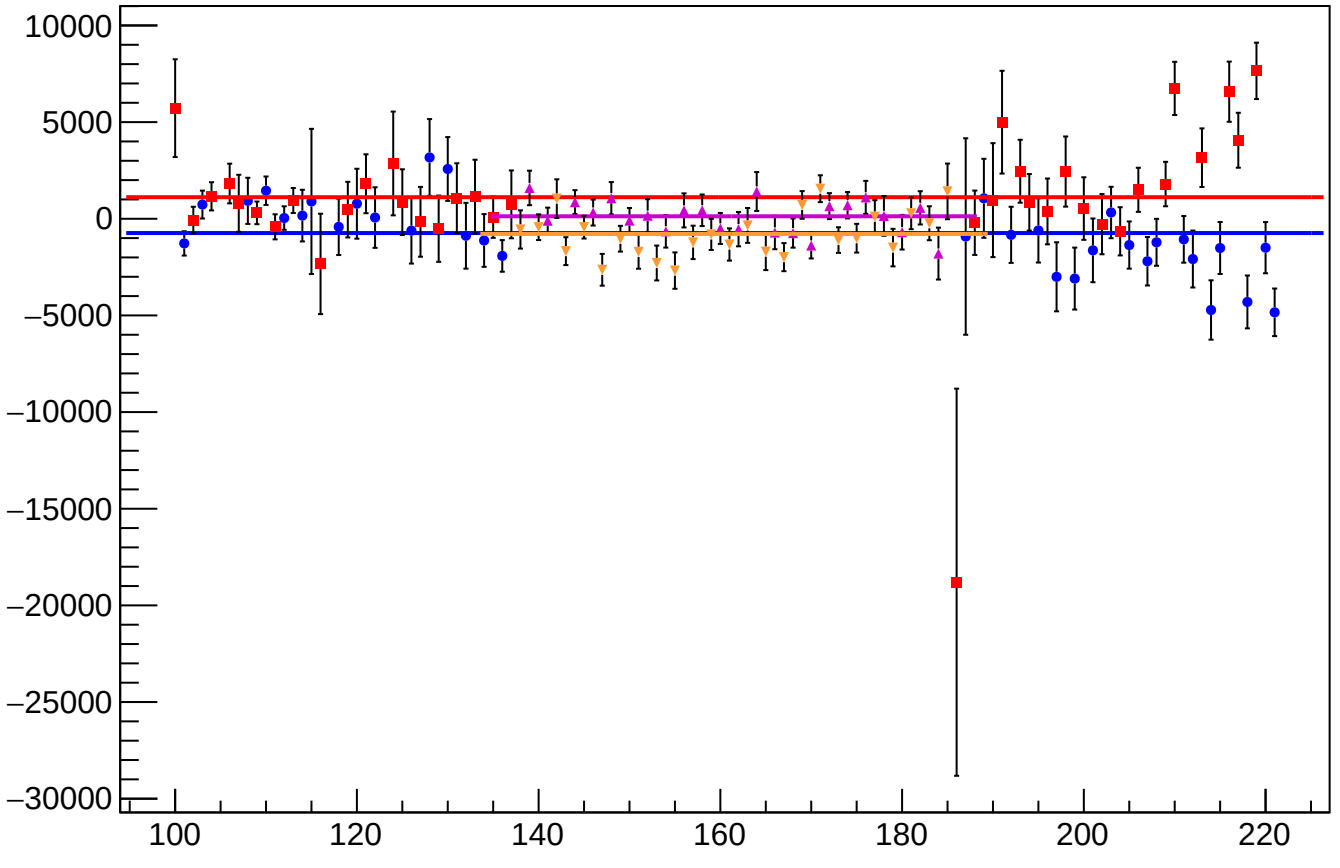
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 107.051+/-0.012 χ^2/NDF: 6338627.4/70

In: 110.650+/-0.013 χ^2/NDF:3864544.3/56

Out: 109.350+/-0.013 χ^2/NDF:5501396.2/61

All: 109.995+/-0.009 χ^2/NDF: 9371199.0/118



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: 1116.177+/-201.581 χ^2/NDF: 86.1/36

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

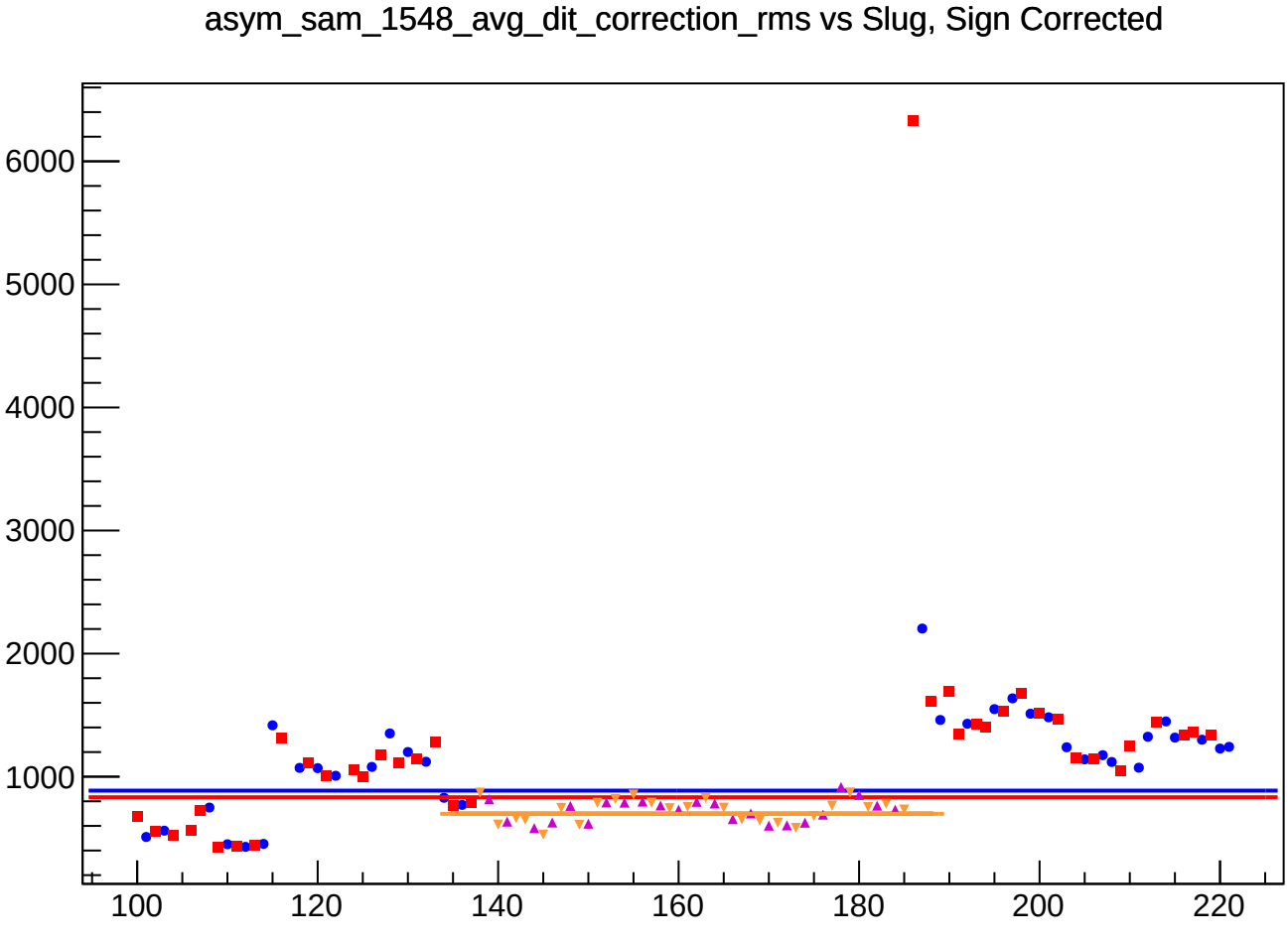
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 210.198+/-144.191 χ^2/NDF: 190.0/70

In: -210.725+/-128.986 χ^2/NDF:96.0/56

Out: -47.038+/-125.553 χ^2/NDF:185.9/61

All: -126.674+/-89.968 χ^2/NDF: 282.8/118



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: 832.752+/-0.143 χ^2/NDF: 8683270.9/36

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

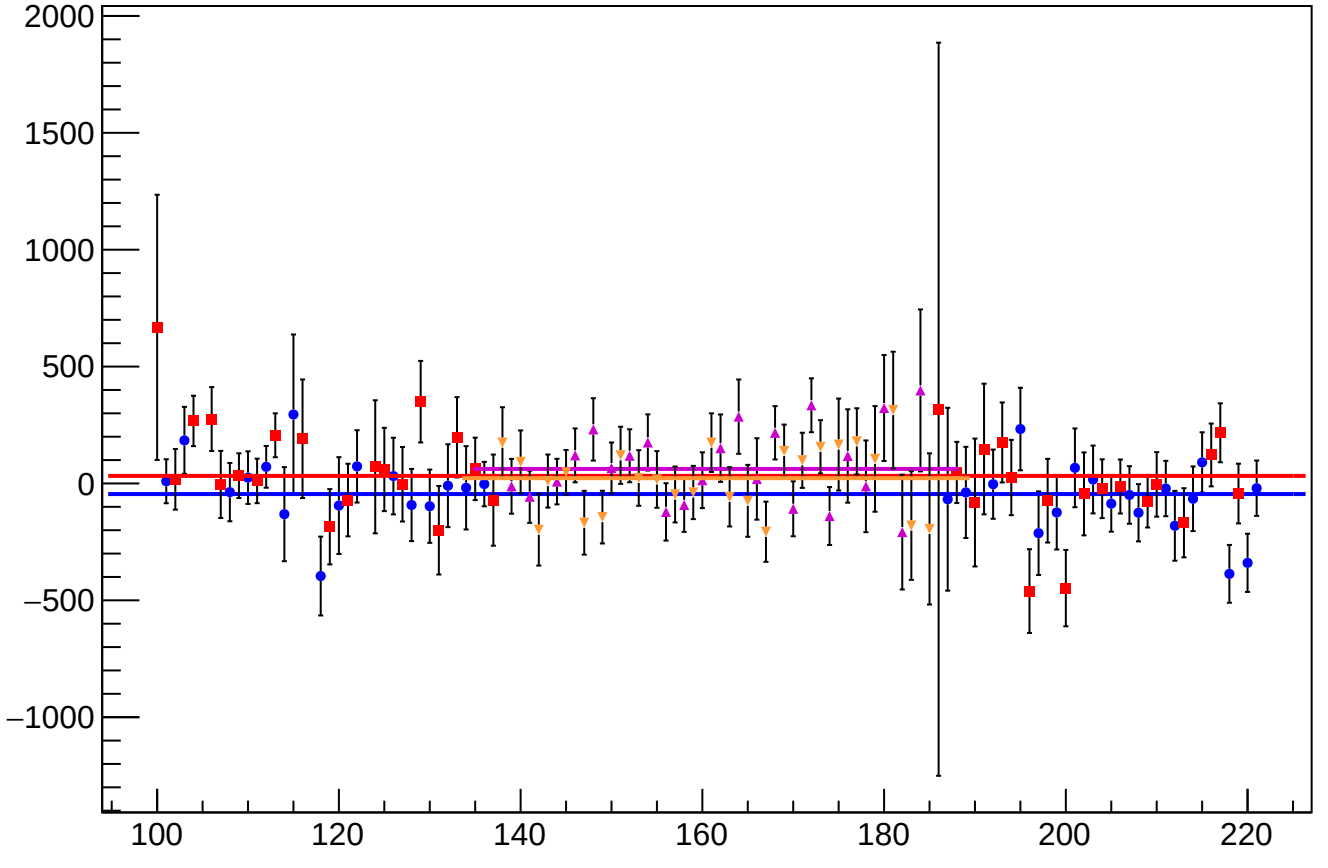
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 859.078+/-0.102 χ^2/NDF: 15734327.5/70

In: 772.992+/-0.091 χ^2/NDF:8561829.6/56

Out: 750.420+/-0.089 χ^2/NDF:9943058.2/61

All: 761.401+/-0.064 χ^2/NDF: 18536337.7/1



Right In: -45.362+/-23.880 χ^2/NDF: 31.9/33

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 32.362+/-24.088 χ^2/NDF: 45.5/36

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

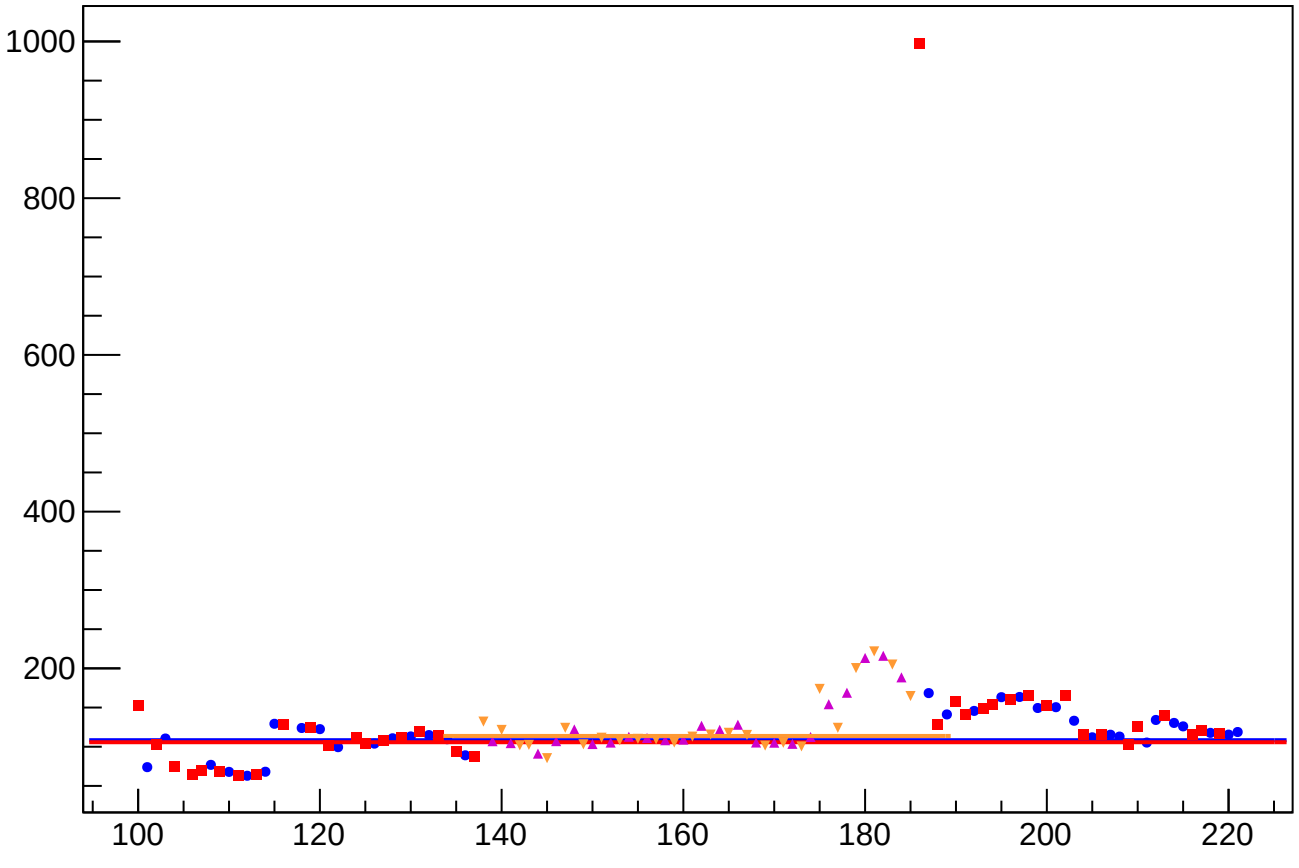
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: -6.837+/-16.959 χ^2/NDF: 82.7/70

In: 1.174+/-17.985 χ^2/NDF:68.0/56

Out: 27.946+/-17.868 χ^2/NDF:67.2/61

All: 14.647+/-12.676 χ^2/NDF: 136.3/118



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: 105.740+/-0.017 χ^2/NDF: 3821599.0/36

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

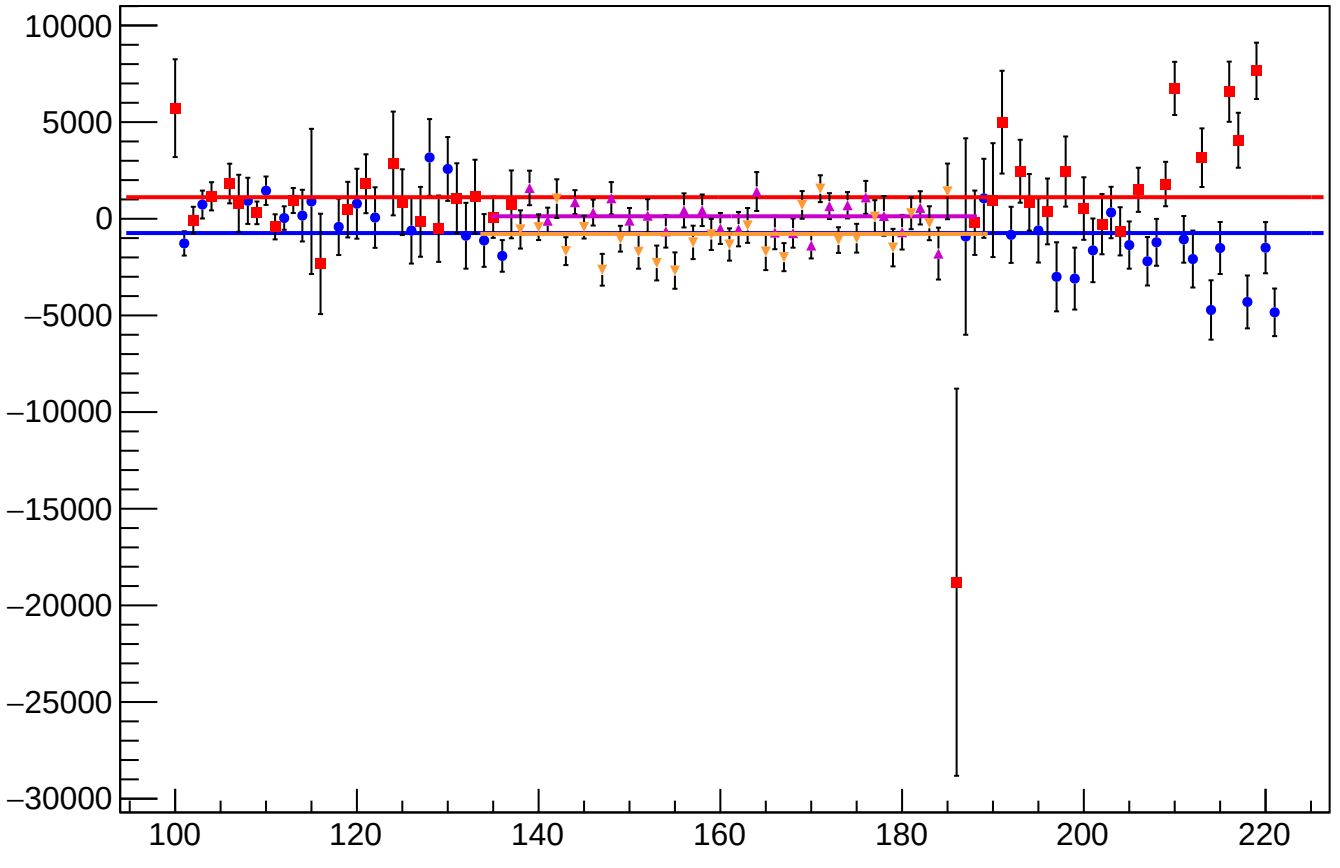
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 107.051+/-0.012 χ^2/NDF: 6338599.5/70

In: 110.650+/-0.013 χ^2/NDF:3864504.4/56

Out: 109.350+/-0.013 χ^2/NDF:5501388.3/61

All: 109.995+/-0.009 χ^2/NDF: 9371151.2/118



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: 1116.175+/-201.580 χ^2/NDF: 86.1/36

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

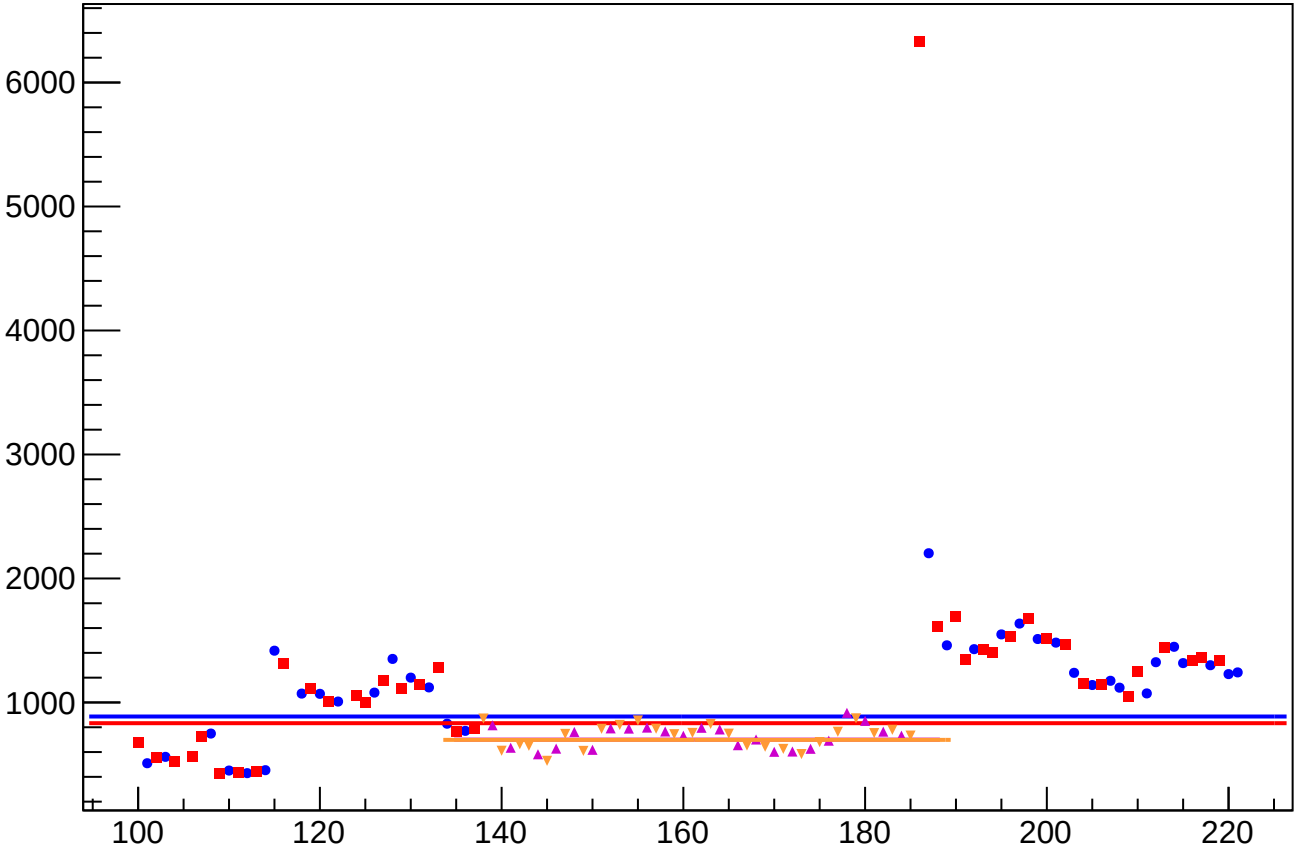
Right: 210.198+/-144.191 χ^2/NDF: 190.0/70

In: -210.725+/-128.986 χ^2/NDF:96.0/56

Out: -47.037+/-125.553 χ^2/NDF:185.9/61

All: -126.674+/-89.968 χ^2/NDF: 282.8/118

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 832.752+/-0.143 χ^2/NDF: 8683265.5/36

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

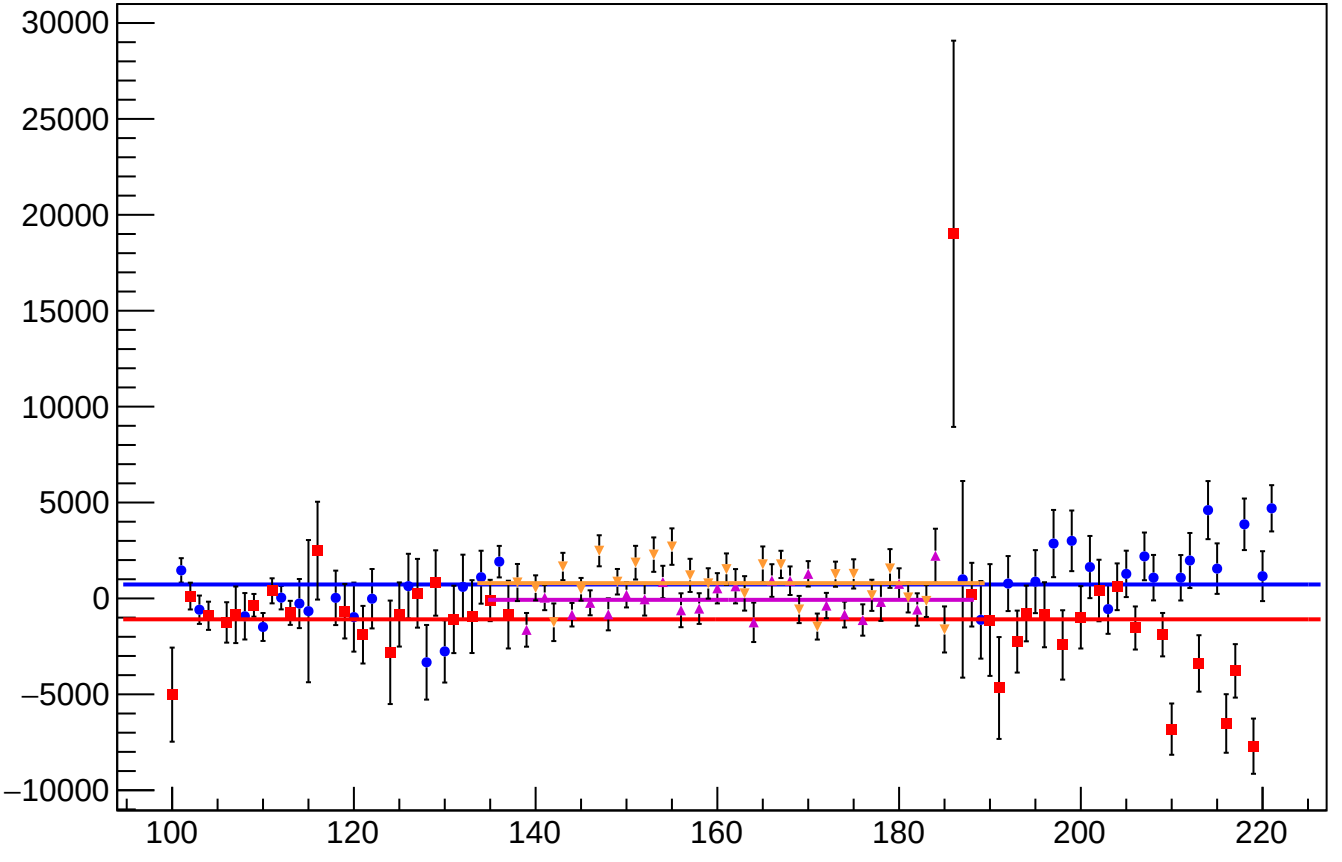
Right: 859.077+/-0.102 χ^2/NDF: 15734319.6/70

In: 772.991+/-0.091 χ^2/NDF:8561820.3/56

Out: 750.419+/-0.089 χ^2/NDF:9943051.2/61

All: 761.401+/-0.064 χ^2/NDF: 18536321.6/1

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: -1089.444+/-200.780 χ^2/NDF: 87.4/36

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

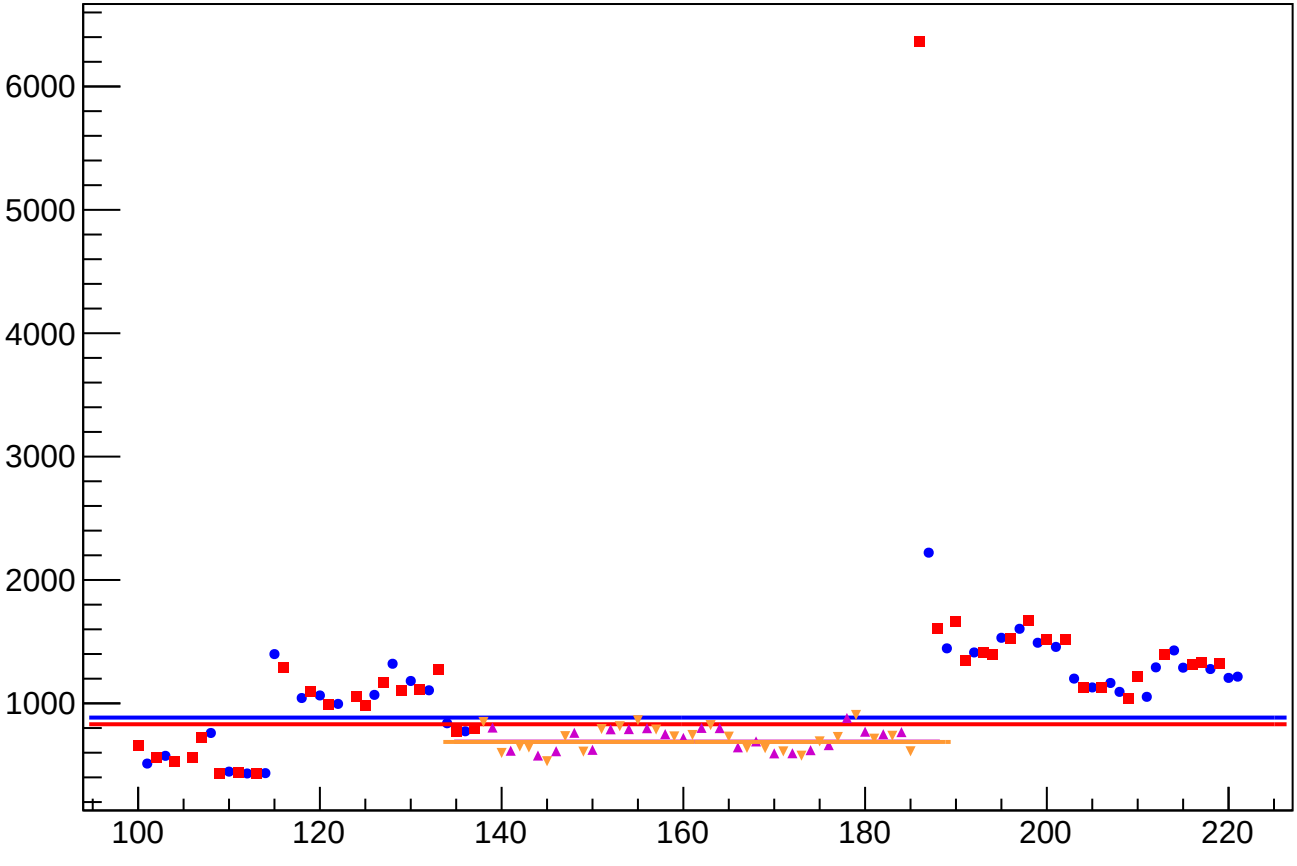
Right: -200.678+/-143.508 χ^2/NDF: 189.2/70

In: 236.153+/-127.574 χ^2/NDF:96.0/56

Out: 74.702+/-124.234 χ^2/NDF:188.2/61

All: 153.286+/-89.004 χ^2/NDF: 285.1/118

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: 830.605+/-0.142 χ^2/NDF: 8540808.5/36

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

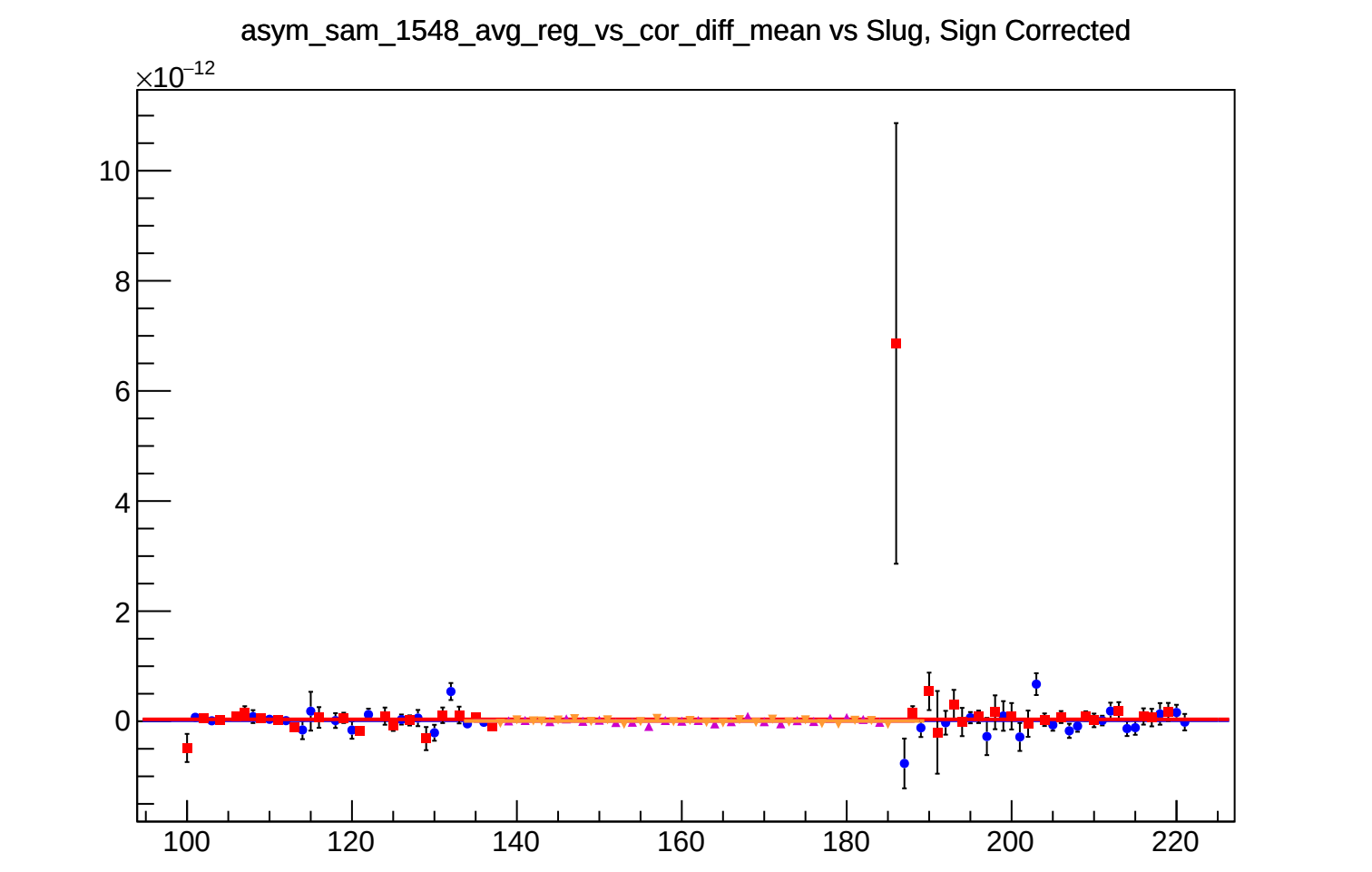
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 857.068+/-0.101 χ^2/NDF: 15314113.6/70

In: 765.259+/-0.090 χ^2/NDF:8374114.9/56

Out: 742.130+/-0.088 χ^2/NDF:9898083.1/61

All: 753.388+/-0.063 χ^2/NDF: 18305938.7/1



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: 36.7/36

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

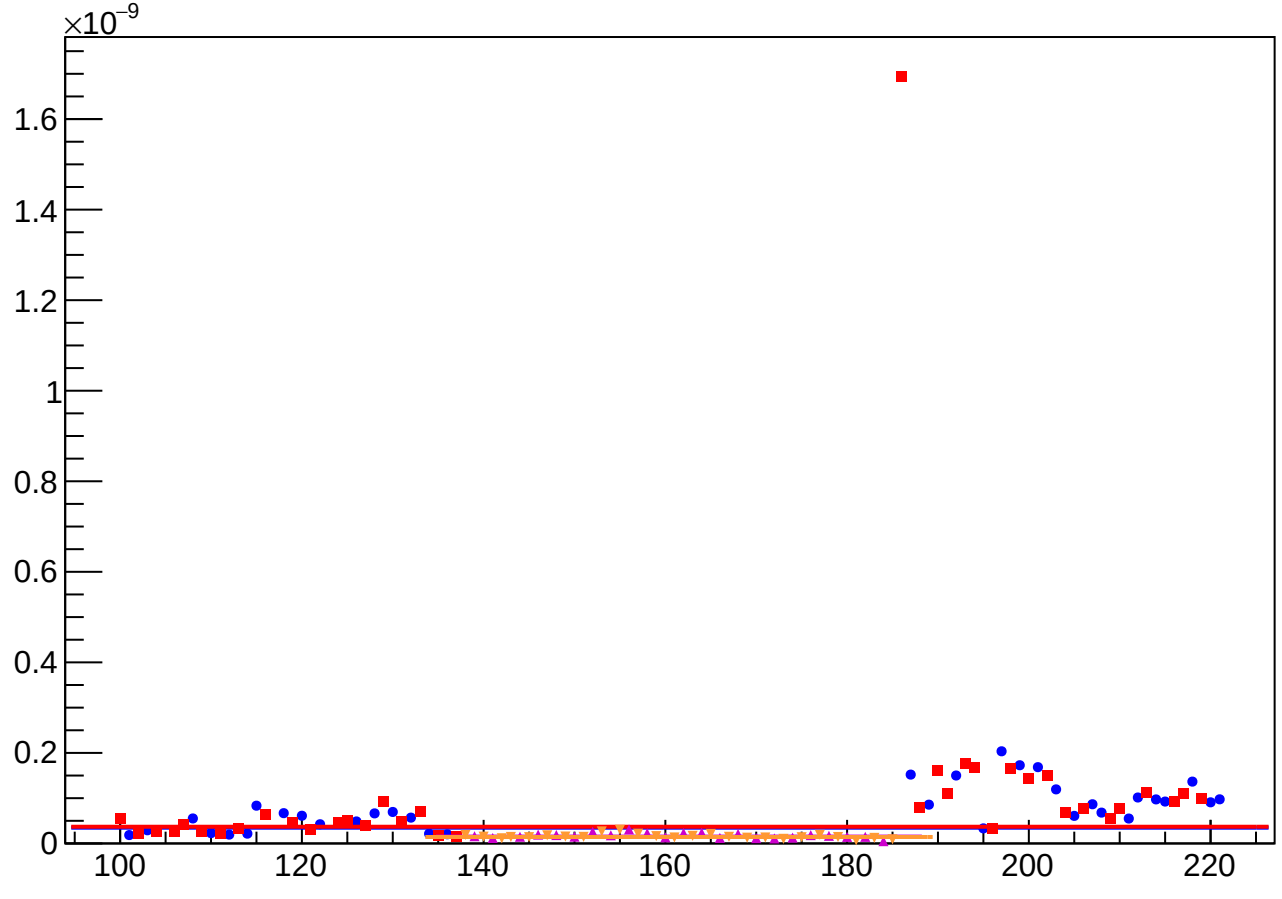
Right: 0.000+/-0.000 χ^2/NDF: 87.3/70

In: 0.000+/-0.000 χ^2/NDF:77.0/56

Out: 0.000+/-0.000 χ^2/NDF:62.2/61

All: 0.000+/-0.000 χ^2/NDF: 139.2/118

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: 6944469.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

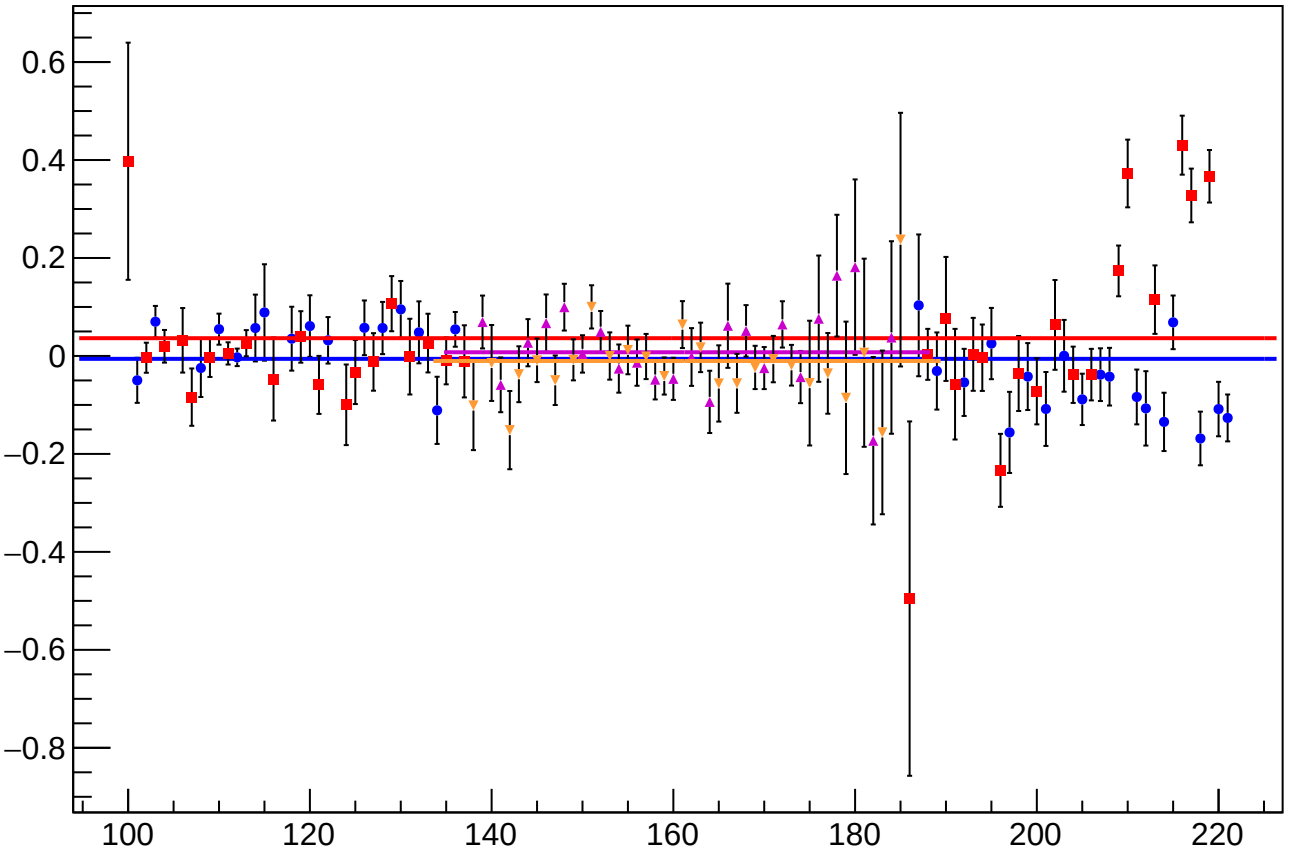
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15096636.8/70

In: 0.000+/-0.000 χ^2/NDF:12623103.4/56

Out: 0.000+/-0.000 χ^2/NDF:11988525.1/61

All: 0.000+/-0.000 χ^2/NDF: 24663172.4/118



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: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

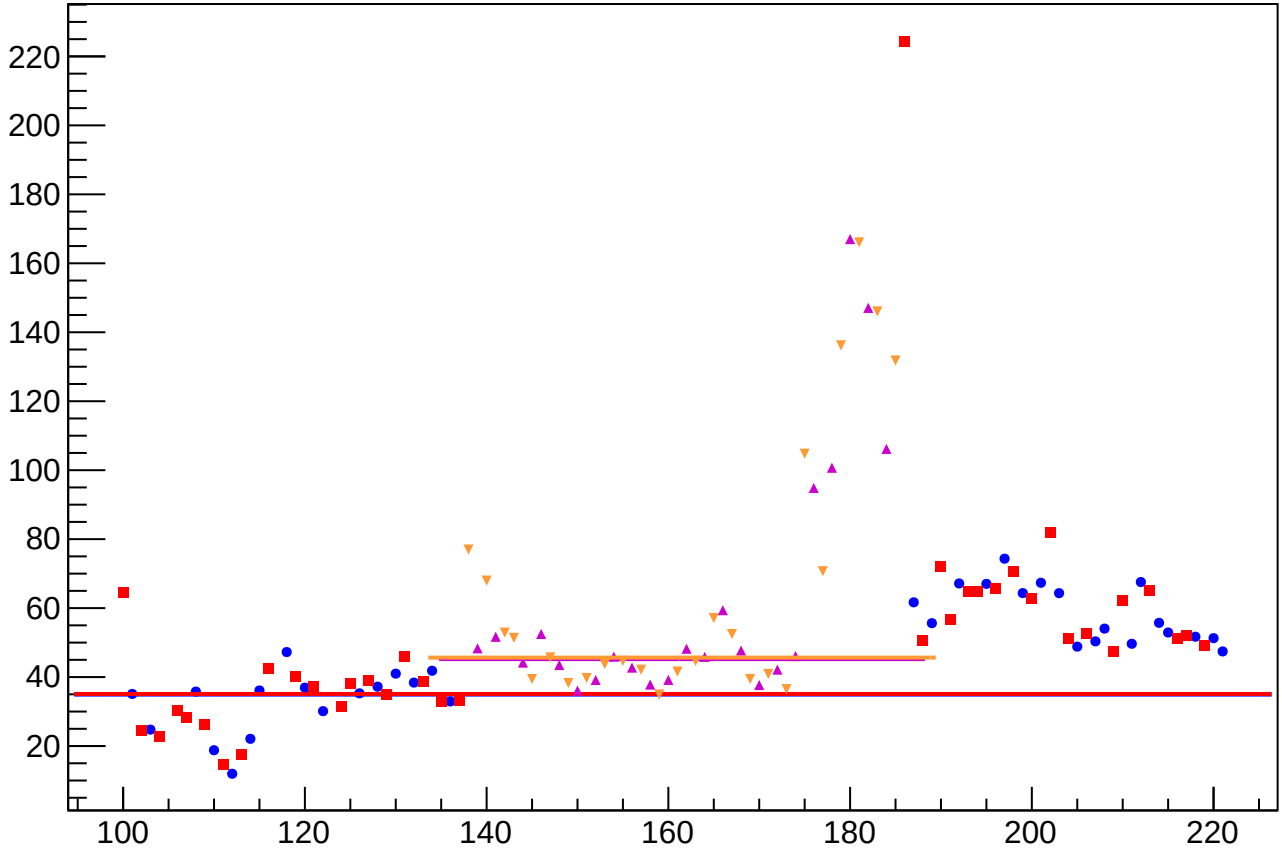
Right: 0.015+/-0.006 χ^2/NDF: 264.7/70

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.009+/-0.005 χ^2/NDF: 309.9/118

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: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

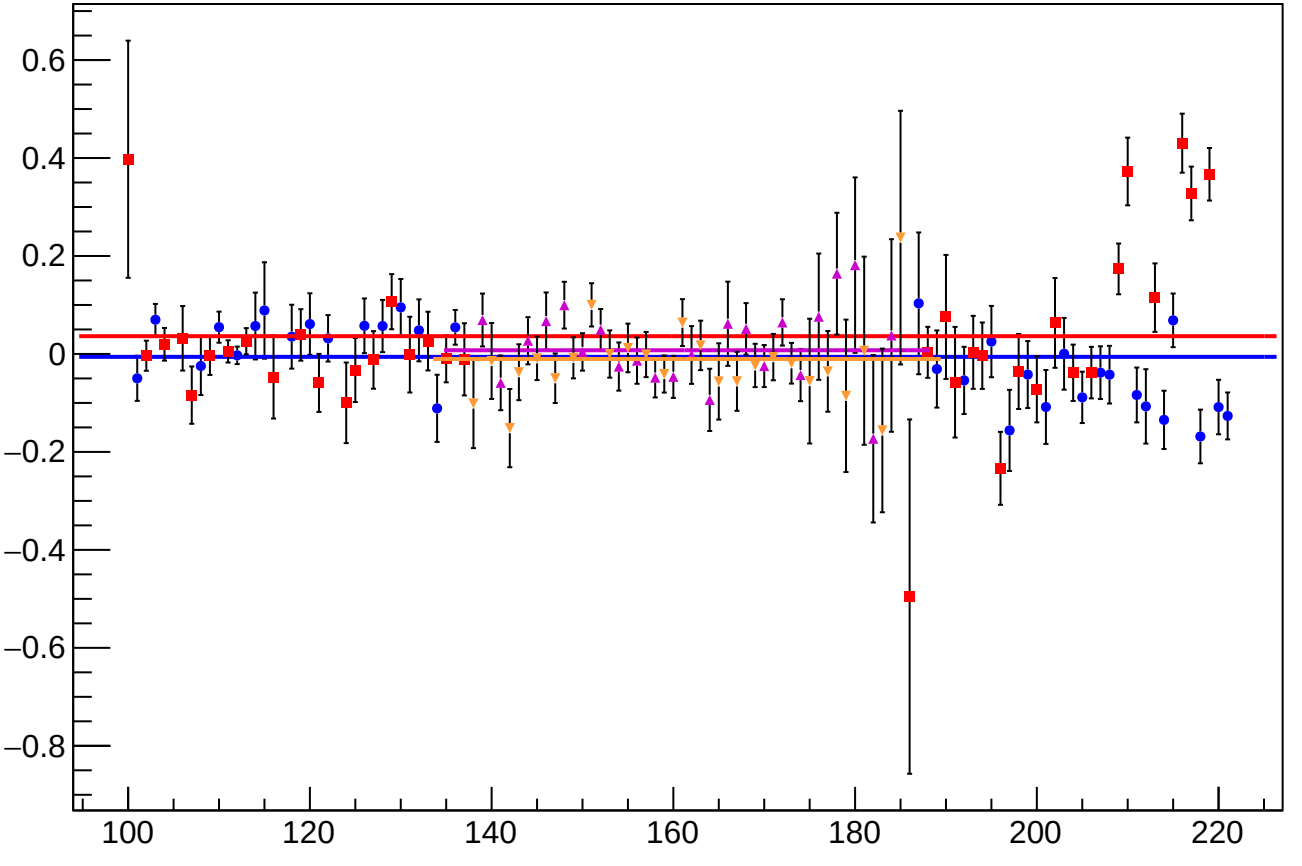
Right: 35.015+/-0.004 χ^2/NDF: 17009339.4/70

In: 38.596+/-0.005 χ^2/NDF:12814551.2/56

Out: 39.014+/-0.005 χ^2/NDF:13348629.9/61

All: 38.803+/-0.003 χ^2/NDF: 26166919.4/118

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

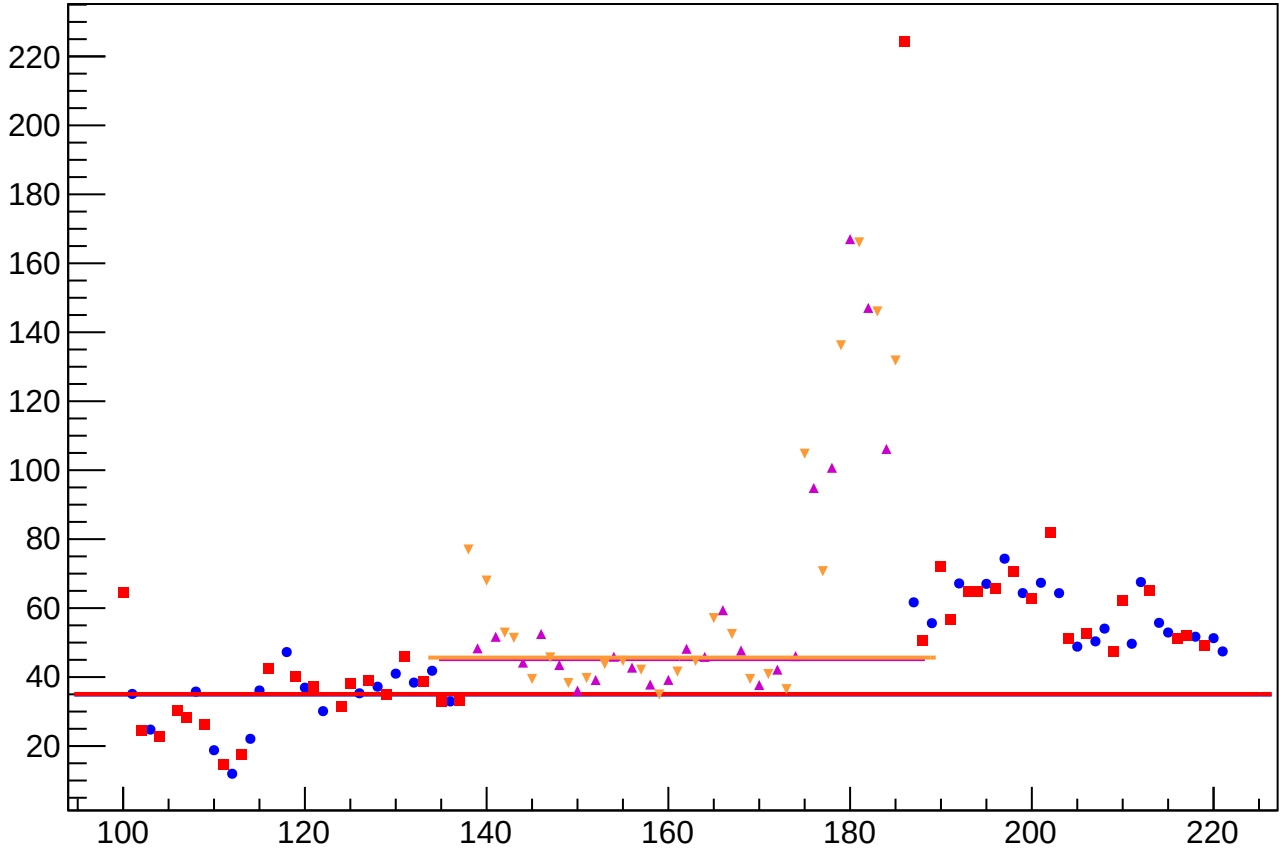
Right: 0.015+/-0.006 χ^2/NDF: 264.7/70

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.009+/-0.005 χ^2/NDF: 309.9/118

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: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

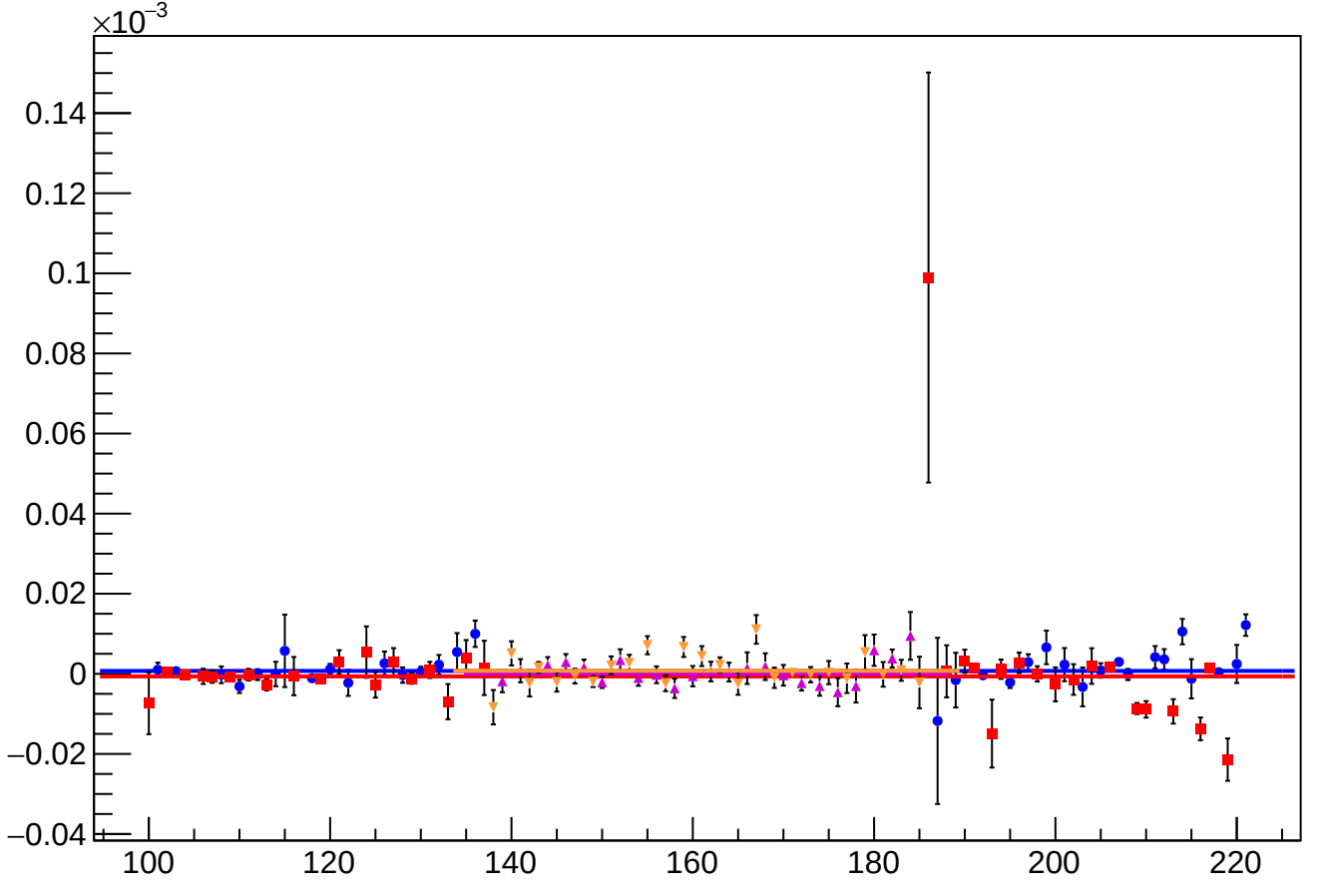
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 35.015+/-0.004 χ^2/NDF: 17009339.4/70

In: 38.596+/-0.005 χ^2/NDF:12814551.2/56

Out: 39.014+/-0.005 χ^2/NDF:13348629.9/61

All: 38.803+/-0.003 χ^2/NDF: 26166919.4/118



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: 131.5/36

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

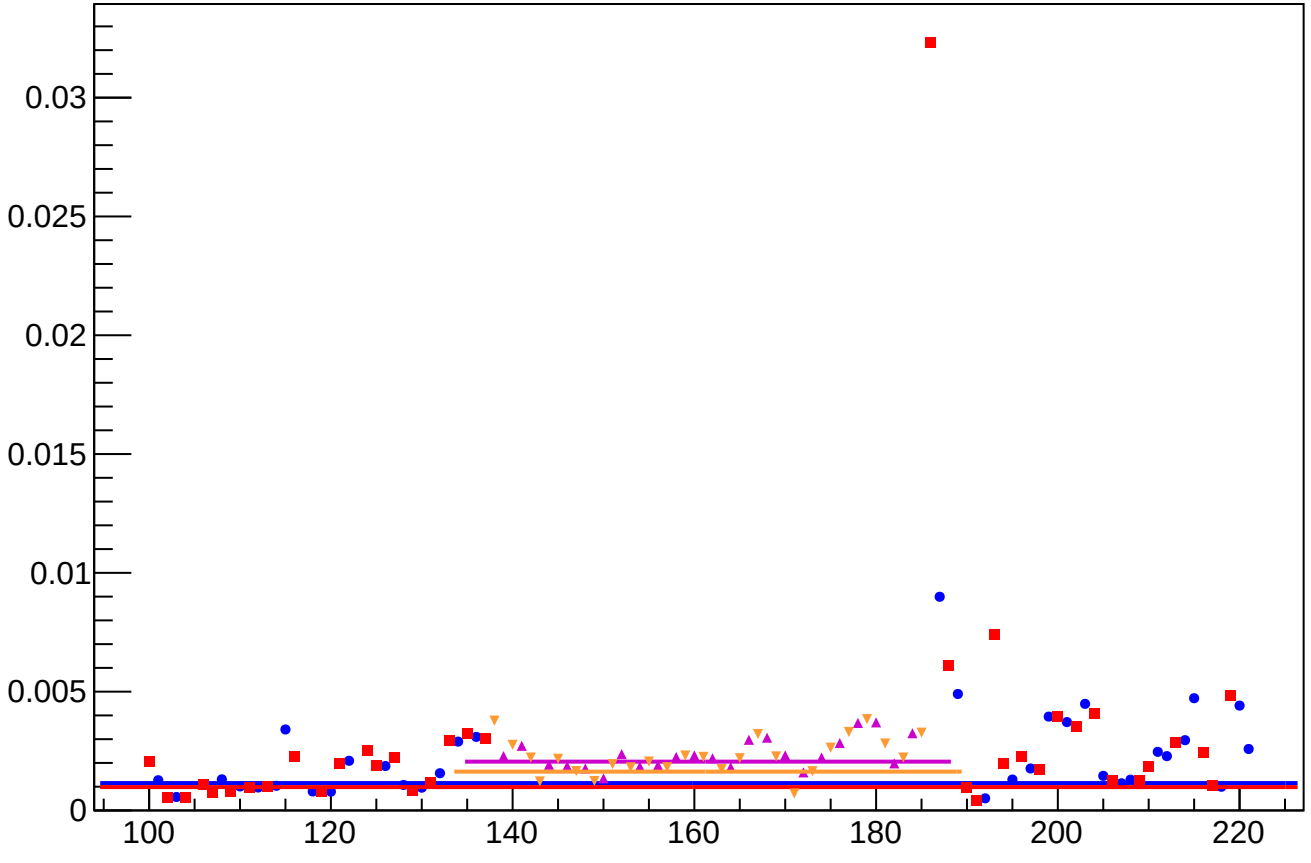
Right: -0.000+/-0.000 χ^2/NDF: 207.3/70

In: 0.000+/-0.000 χ^2/NDF:90.5/56

Out: -0.000+/-0.000 χ^2/NDF:185.8/61

All: 0.000+/-0.000 χ^2/NDF: 281.1/118

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: 14856527.4/36

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

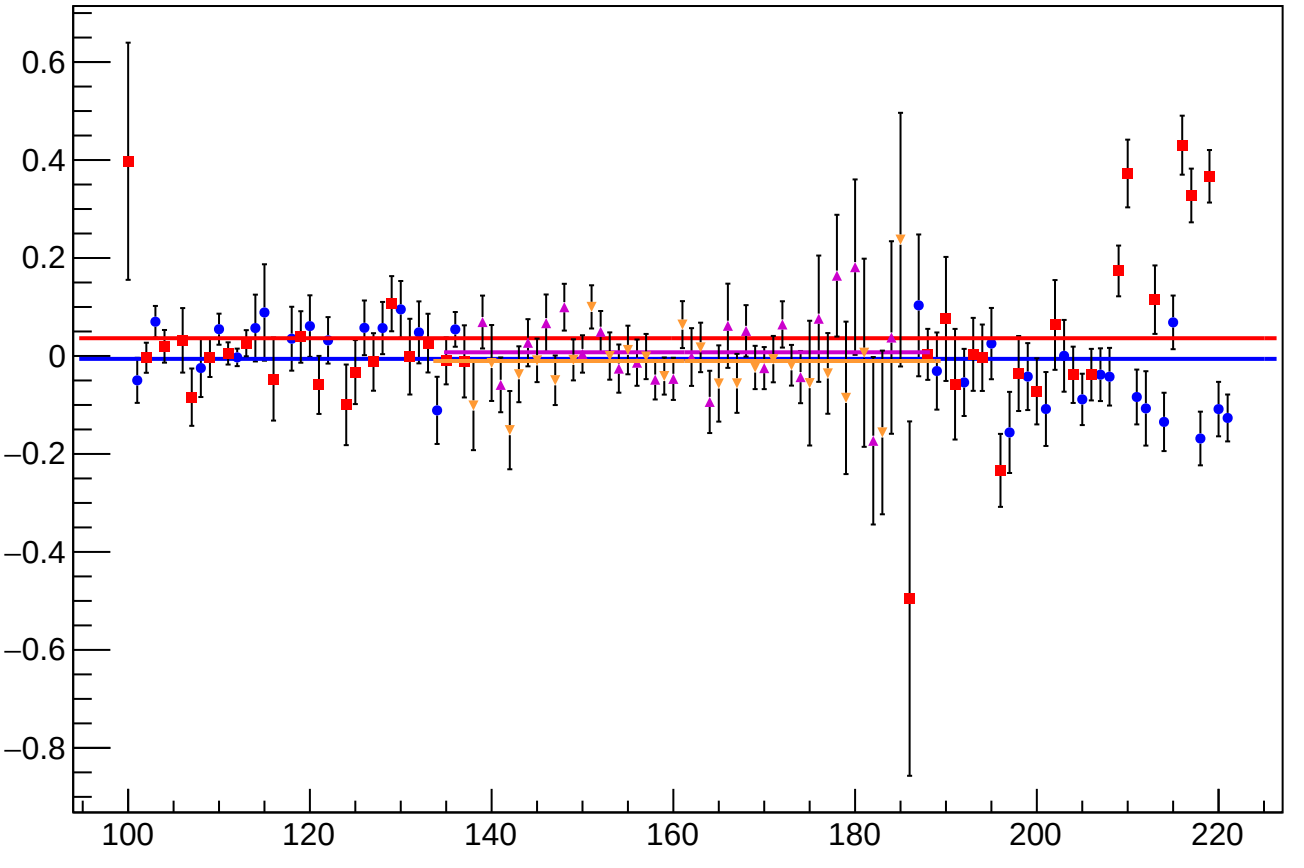
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 26972027.8/70

In: 0.001+/-0.000 χ^2/NDF:18603330.5/56

Out: 0.001+/-0.000 χ^2/NDF:24835189.7/61

All: 0.001+/-0.000 χ^2/NDF: 44211778.0/118



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: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

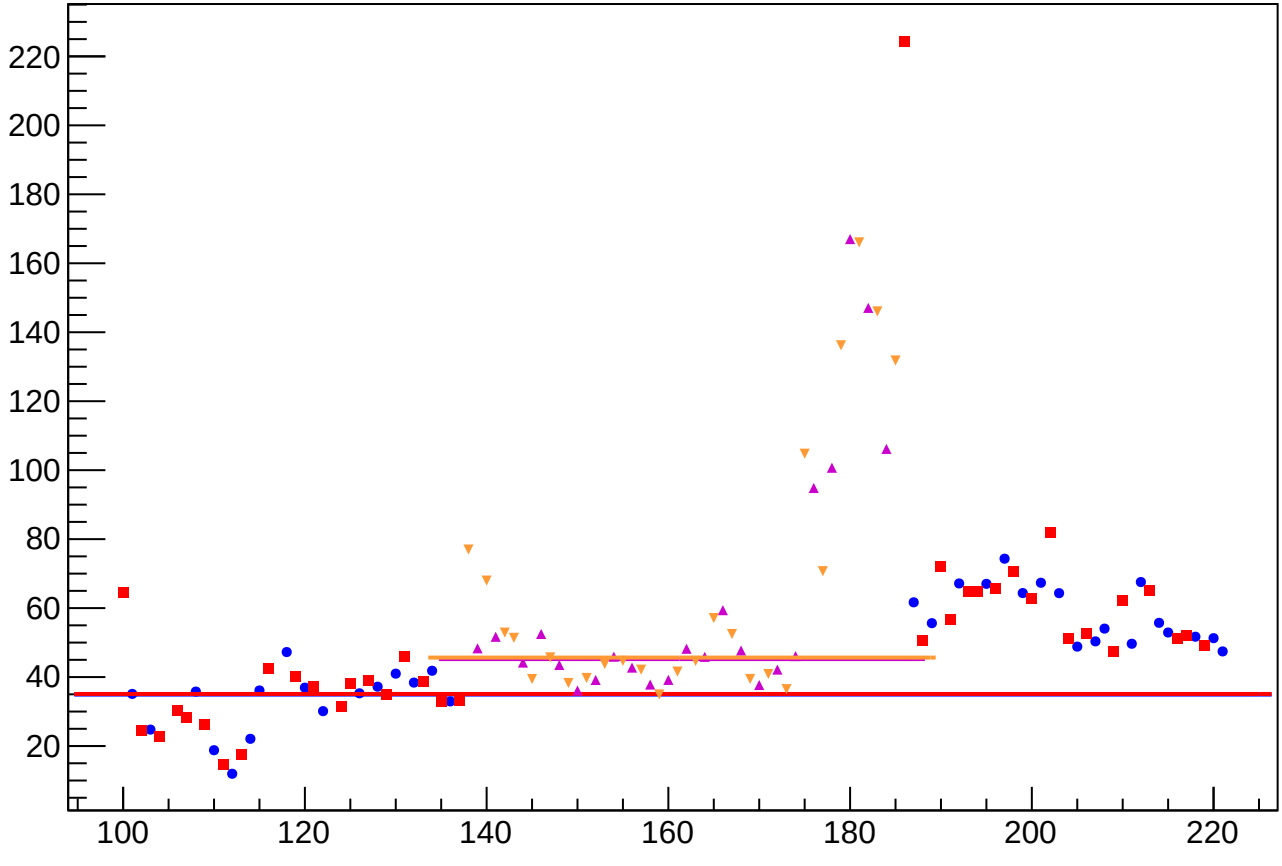
Right: 0.015+/-0.006 χ^2/NDF: 264.7/70

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.009+/-0.005 χ^2/NDF: 309.9/118

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: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

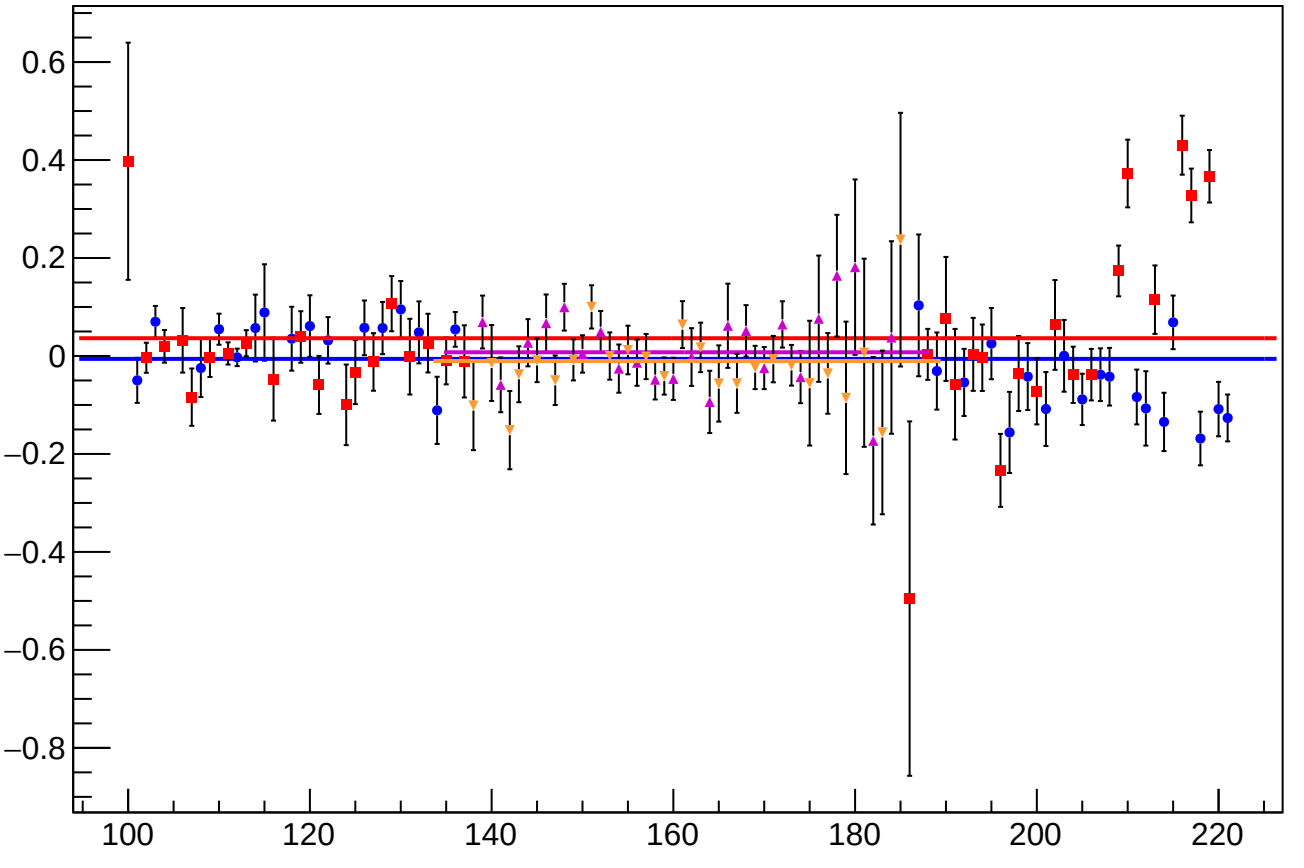
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 35.014+/-0.004 χ^2/NDF: 17009864.7/70

In: 38.595+/-0.005 χ^2/NDF:12814966.0/56

Out: 39.014+/-0.005 χ^2/NDF:13348970.7/61

All: 38.803+/-0.003 χ^2/NDF: 26167677.5/118



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: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

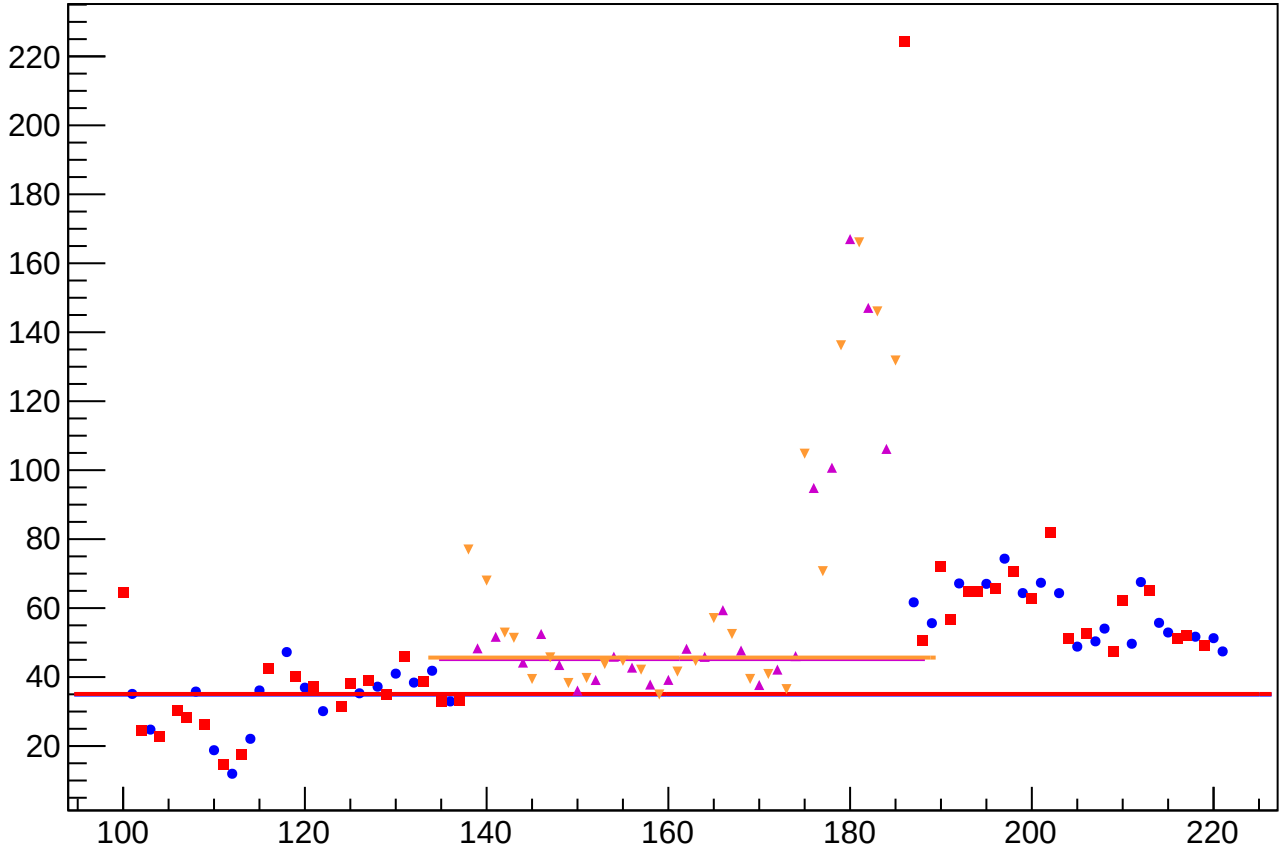
Right: 0.015+/-0.006 χ^2/NDF: 264.7/70

In: -0.001+/-0.007 χ^2/NDF:88.8/56

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.009+/-0.005 χ^2/NDF: 309.9/118

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: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

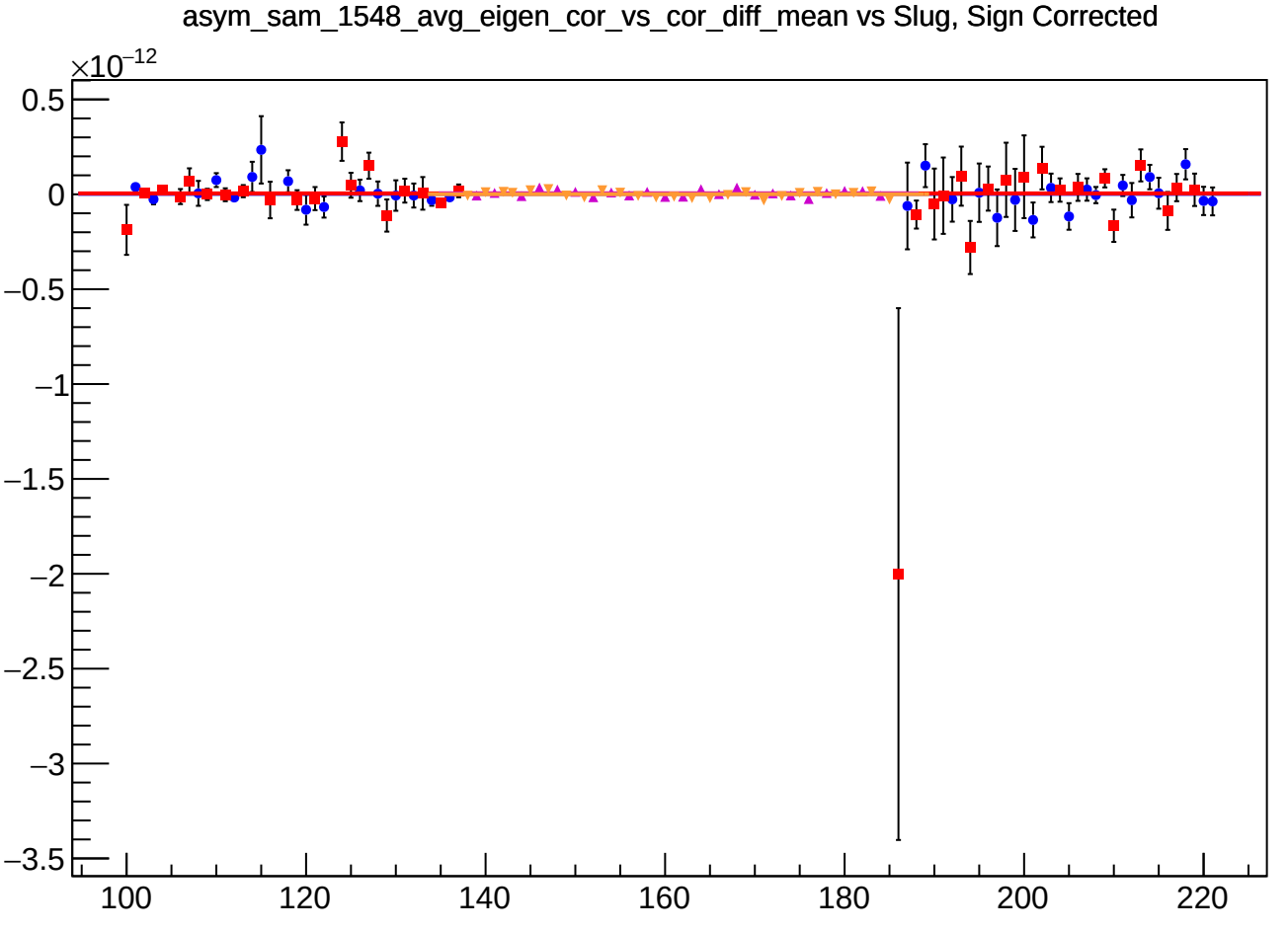
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 35.014+/-0.004 χ^2/NDF: 17009864.7/70

In: 38.595+/-0.005 χ^2/NDF:12814966.0/56

Out: 39.014+/-0.005 χ^2/NDF:13348970.7/61

All: 38.803+/-0.003 χ^2/NDF: 26167677.5/118



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: 45.4/36

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

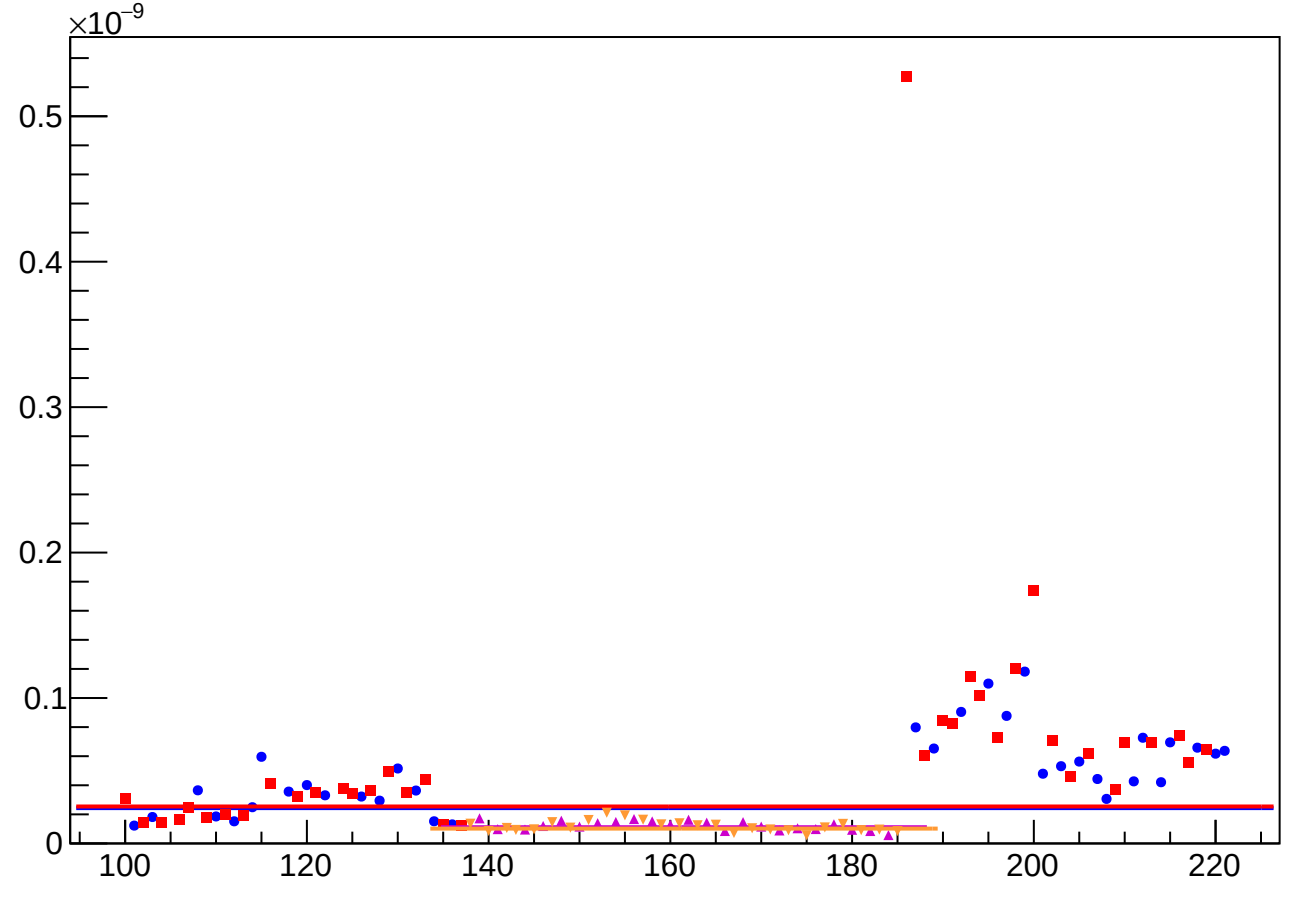
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 79.3/70

In: 0.000+/-0.000 χ^2/NDF:57.6/56

Out: 0.000+/-0.000 χ^2/NDF:71.0/61

All: 0.000+/-0.000 χ^2/NDF: 129.3/118



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: 10174736.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

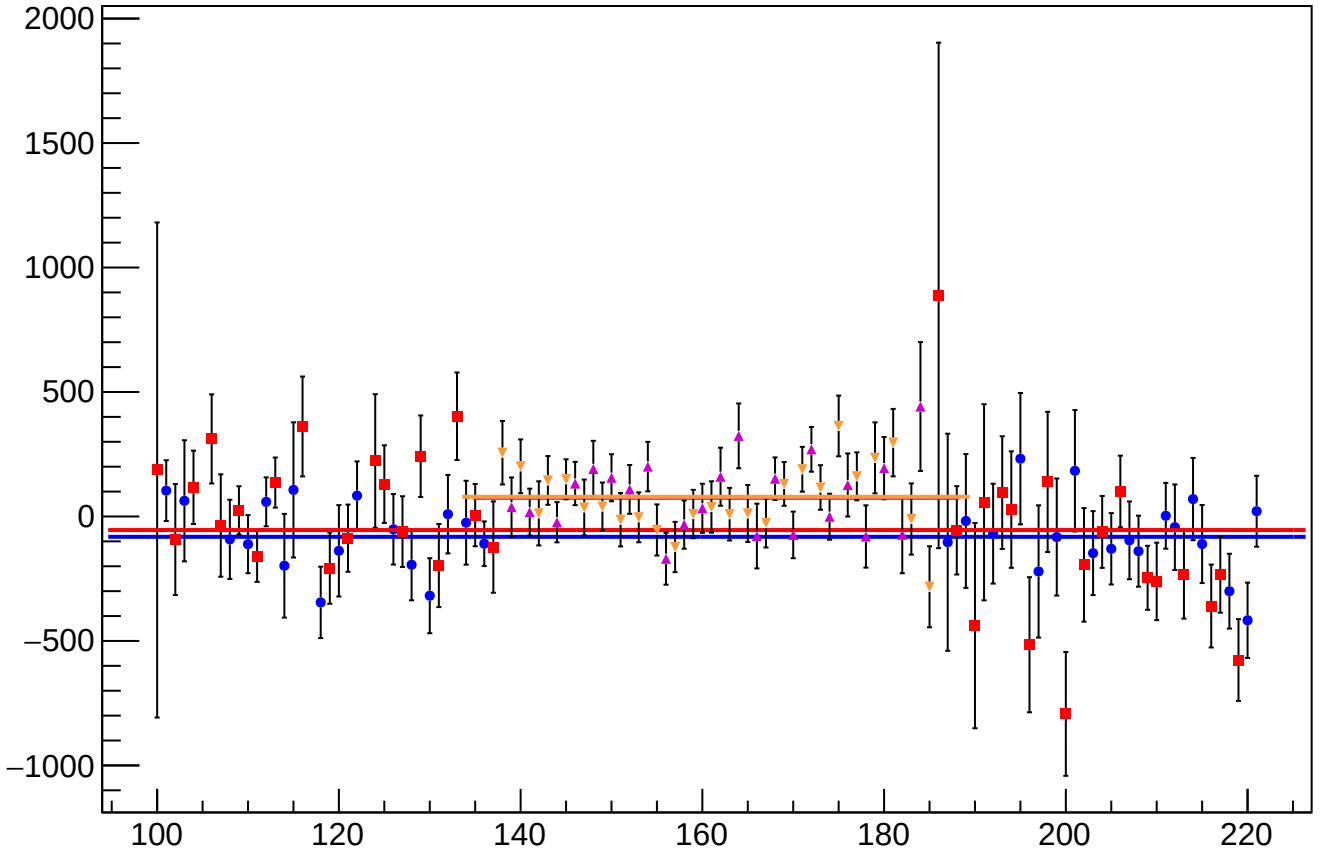
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 20127774.9/70

In: 0.000+/-0.000 χ^2/NDF:16299056.4/56

Out: 0.000+/-0.000 χ^2/NDF:18267198.2/61

All: 0.000+/-0.000 χ^2/NDF: 34738023.8/118



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: -54.486+/-27.280 χ^2/NDF: 66.0/36

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

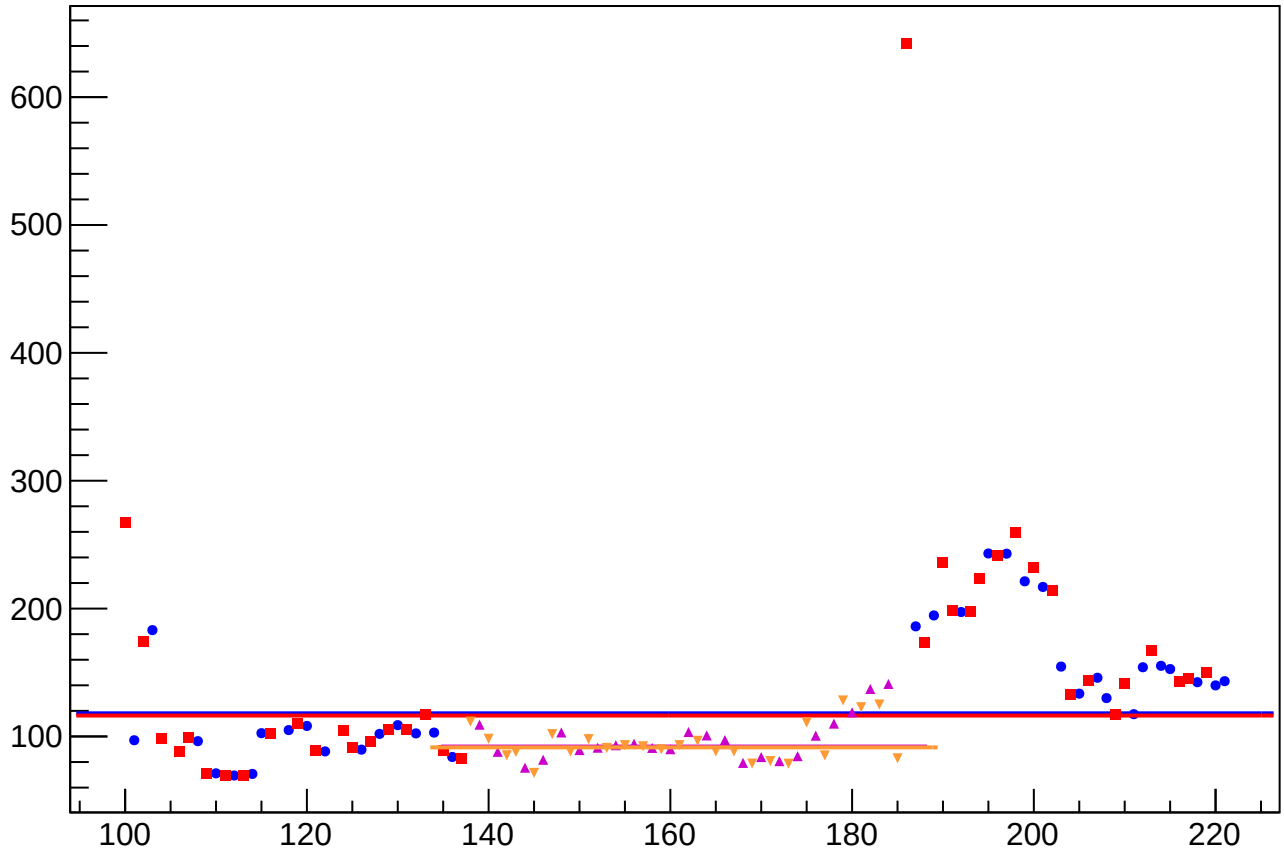
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -68.371+/-19.099 χ^2/NDF: 92.9/70

In: 12.350+/-16.916 χ^2/NDF:79.6/56

Out: 29.089+/-16.691 χ^2/NDF:113.0/61

All: 20.831+/-11.881 χ^2/NDF: 193.1/118



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: 116.347+/-0.019 χ^2/NDF: 5877136.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

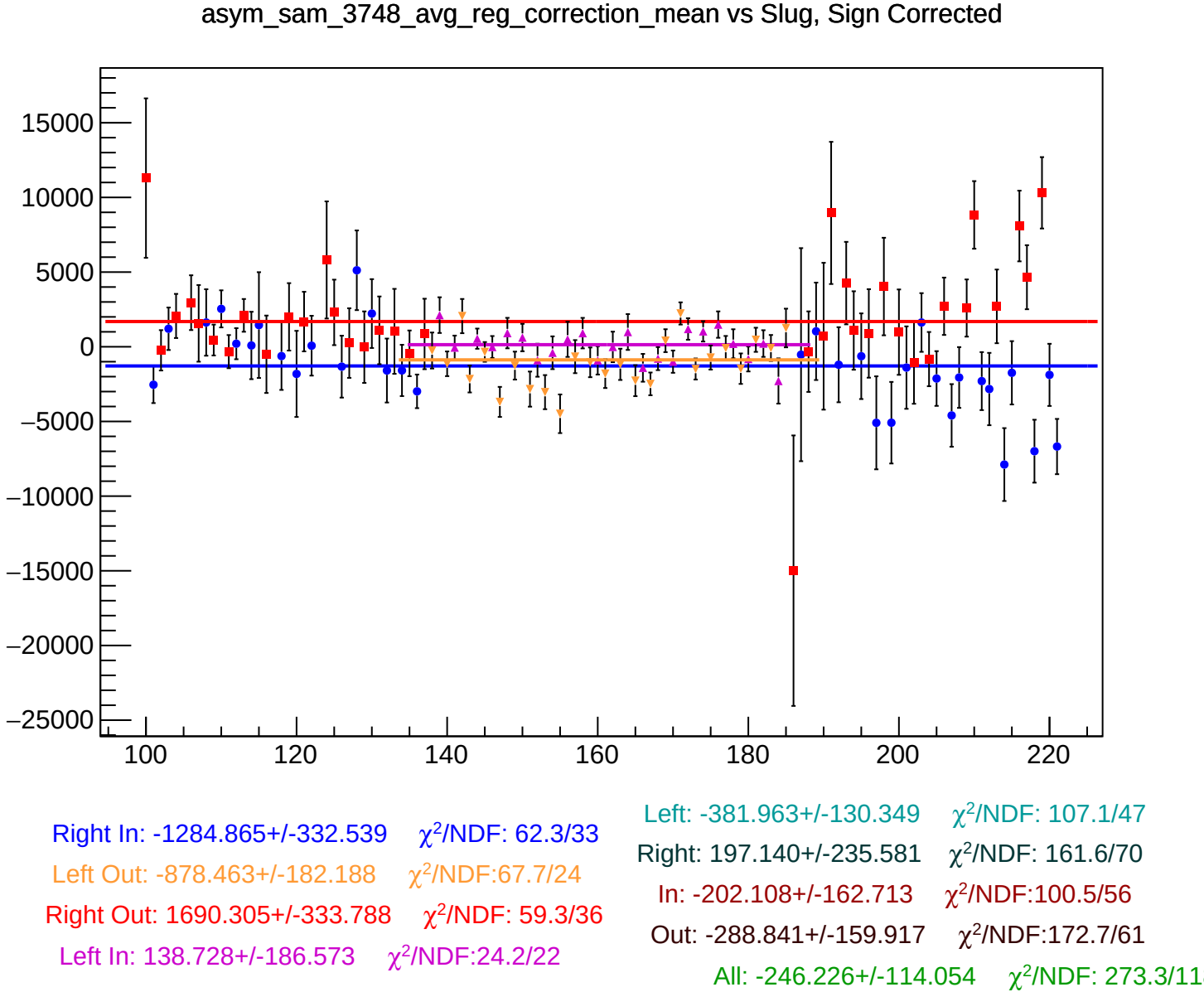
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

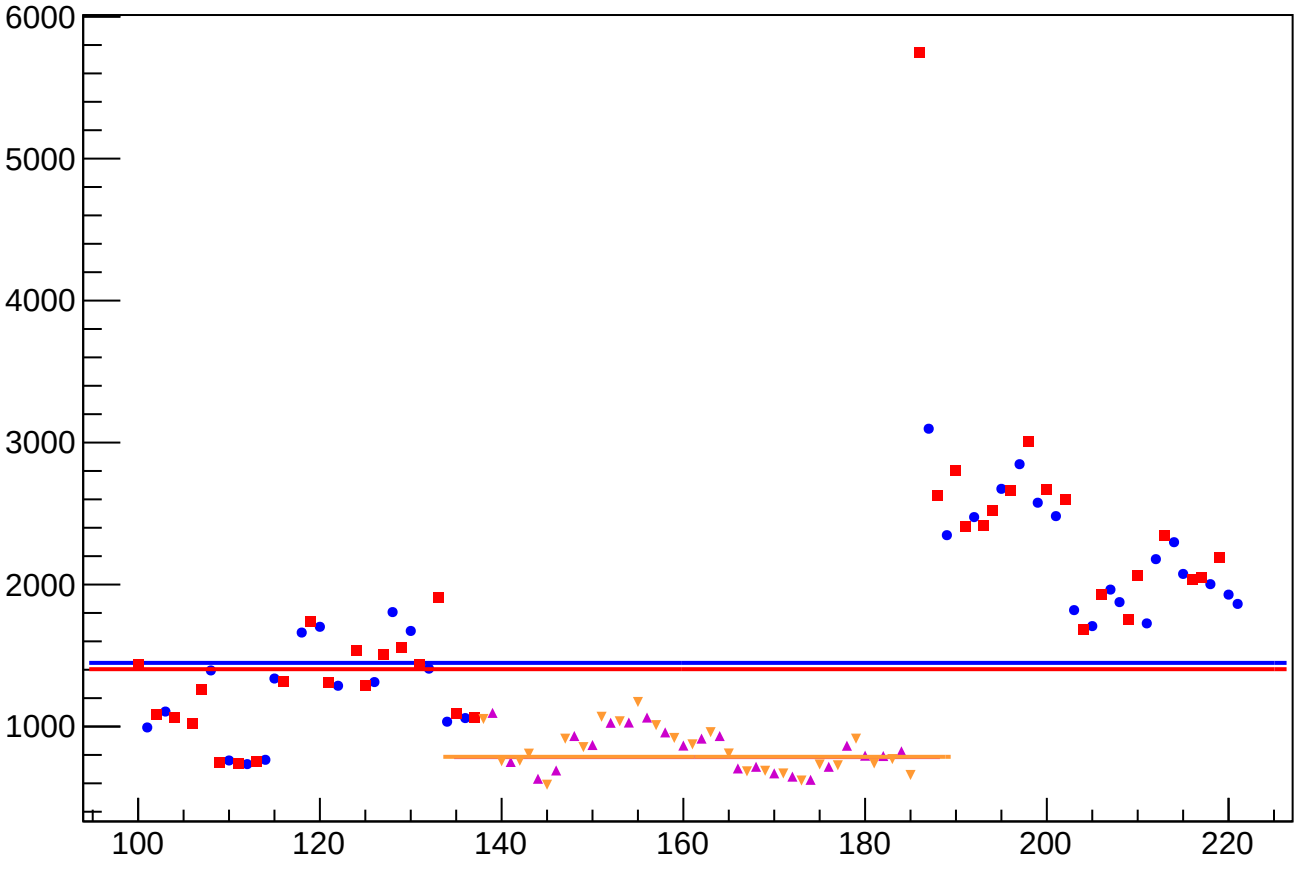
Right: 117.235+/-0.014 χ^2/NDF: 10364126.4/70

In: 102.494+/-0.012 χ^2/NDF:6315343.5/56

Out: 100.778+/-0.012 χ^2/NDF:7669613.6/61

All: 101.625+/-0.008 χ^2/NDF: 13995391.6/1


asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -1284.865+/-332.539 χ²/NDF: 62.3/33
Left Out: -878.463+/-182.188 χ²/NDF:67.7/24
Right Out: 1690.305+/-333.788 χ²/NDF: 59.3/36
Left In: 138.728+/-186.573 χ²/NDF:24.2/22
Left: -381.963+/-130.349 χ²/NDF: 107.1/47
Right: 197.140+/-235.581 χ²/NDF: 161.6/70
In: -202.108+/-162.713 χ²/NDF:100.5/56
Out: -288.841+/-159.917 χ²/NDF:172.7/61
All: -246.226+/-114.054 χ²/NDF: 273.3/118



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: 1403.939+/-0.236 χ^2/NDF: 7414426.0/36

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

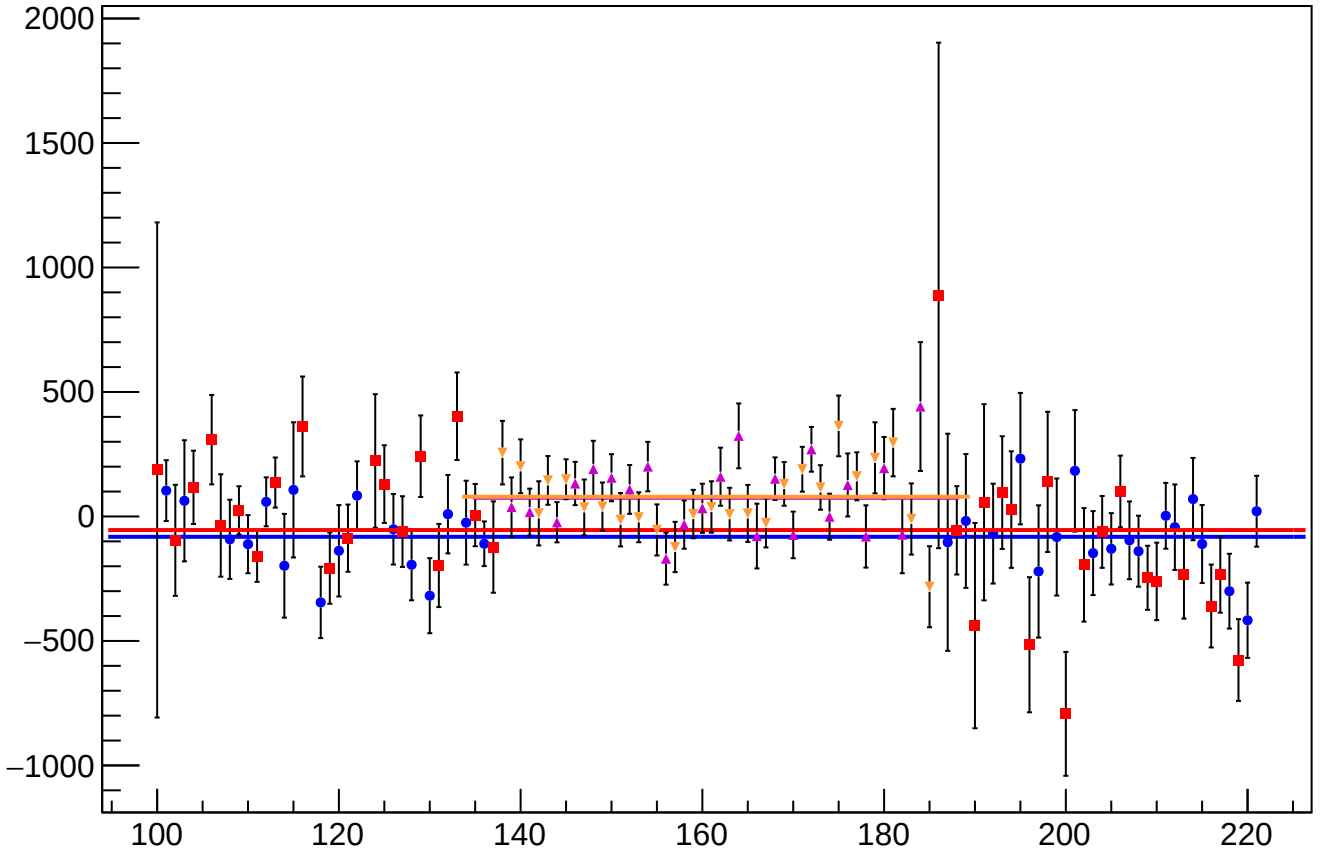
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1426.222+/-0.167 χ^2/NDF: 13318763.3/70

In: 943.690+/-0.115 χ^2/NDF:13006249.9/56

Out: 928.423+/-0.113 χ^2/NDF:13893545.8/61

All: 935.924+/-0.081 χ^2/NDF: 26908751.8/11



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: -54.656+/-27.282 χ^2/NDF: 65.9/36

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

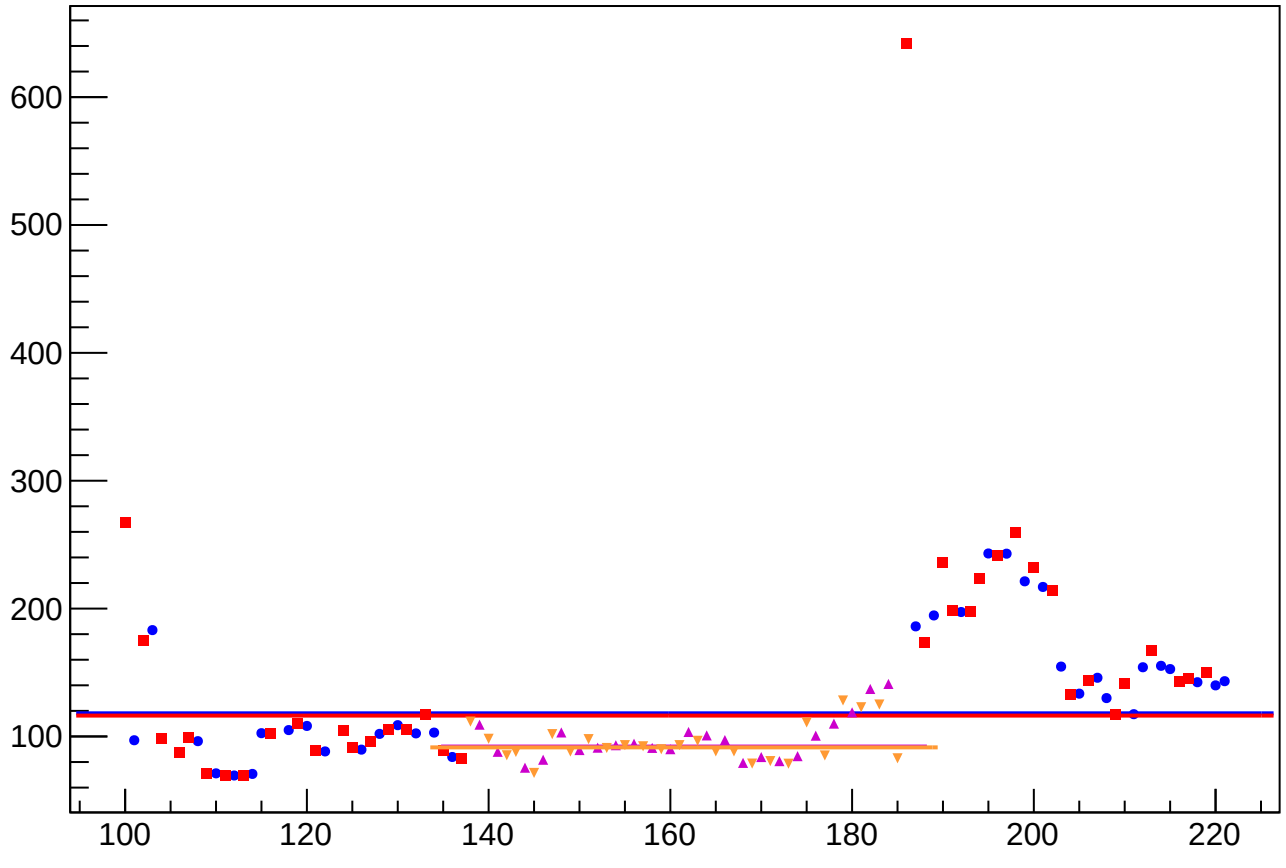
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -68.459+/-19.100 χ^2/NDF: 92.8/70

In: 12.347+/-16.916 χ^2/NDF:79.6/56

Out: 29.036+/-16.692 χ^2/NDF:112.9/61

All: 20.803+/-11.881 χ^2/NDF: 193.0/118



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: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

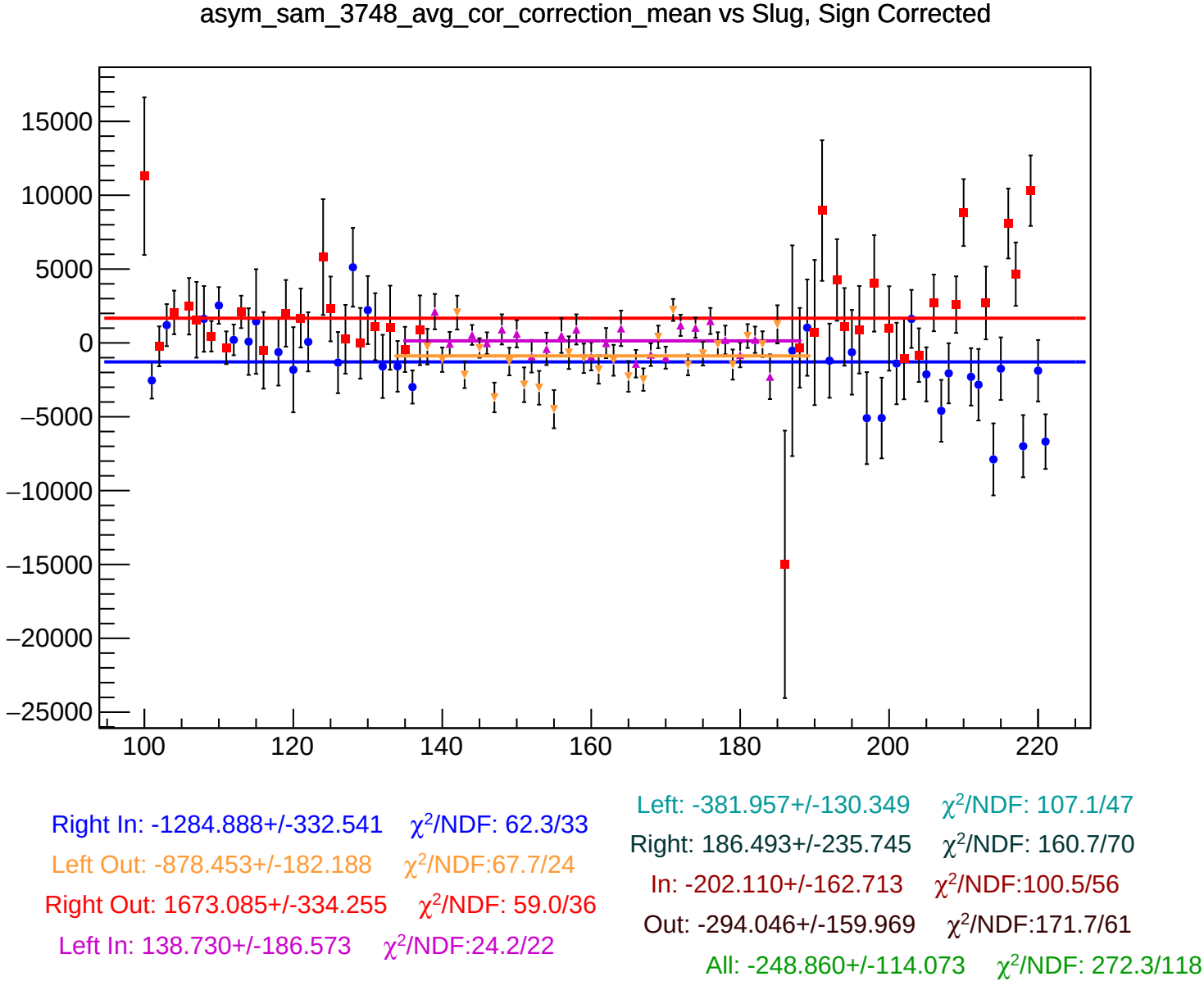
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

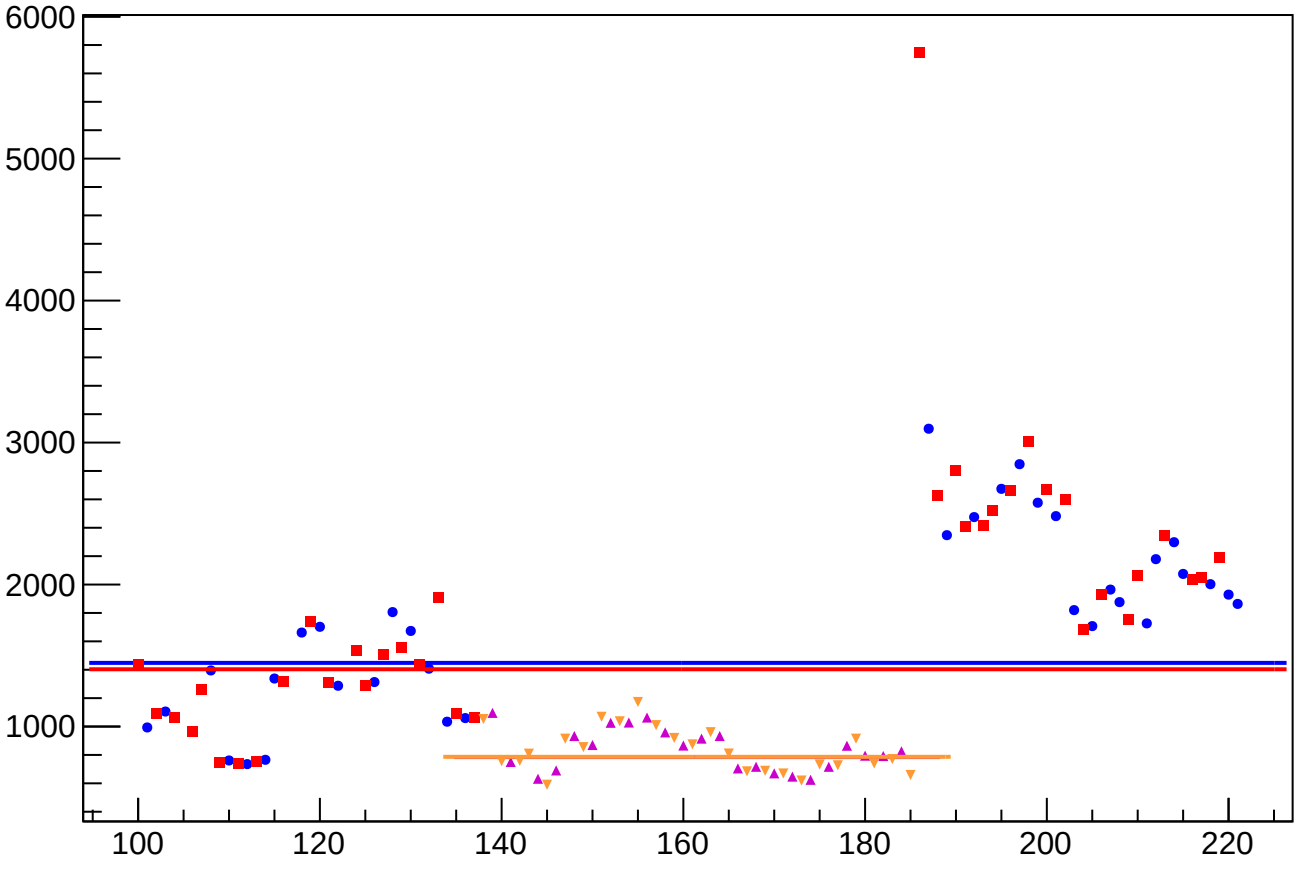
Right: 117.222+/-0.014 χ^2/NDF: 10368799.2/70

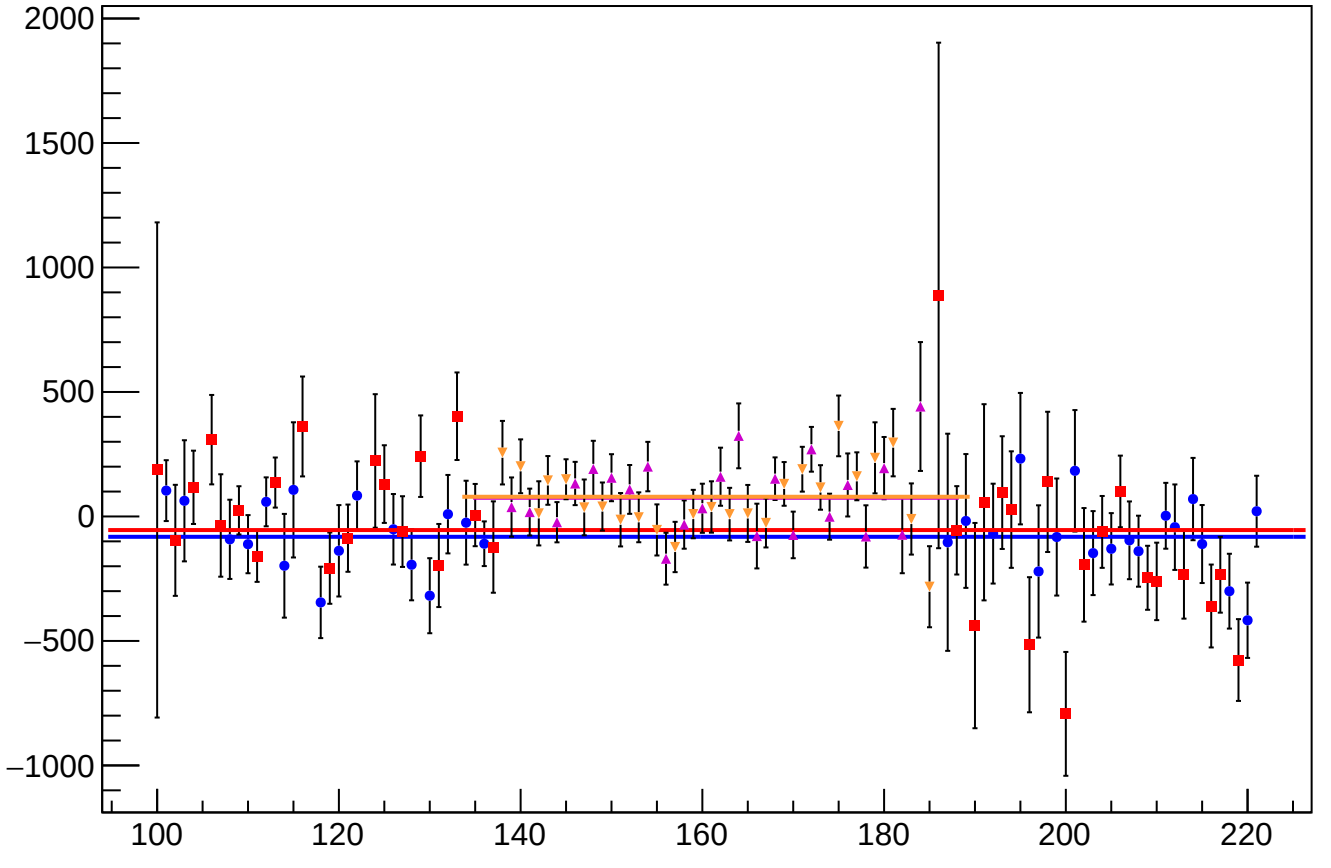
In: 102.494+/-0.012 χ^2/NDF:6315346.6/56

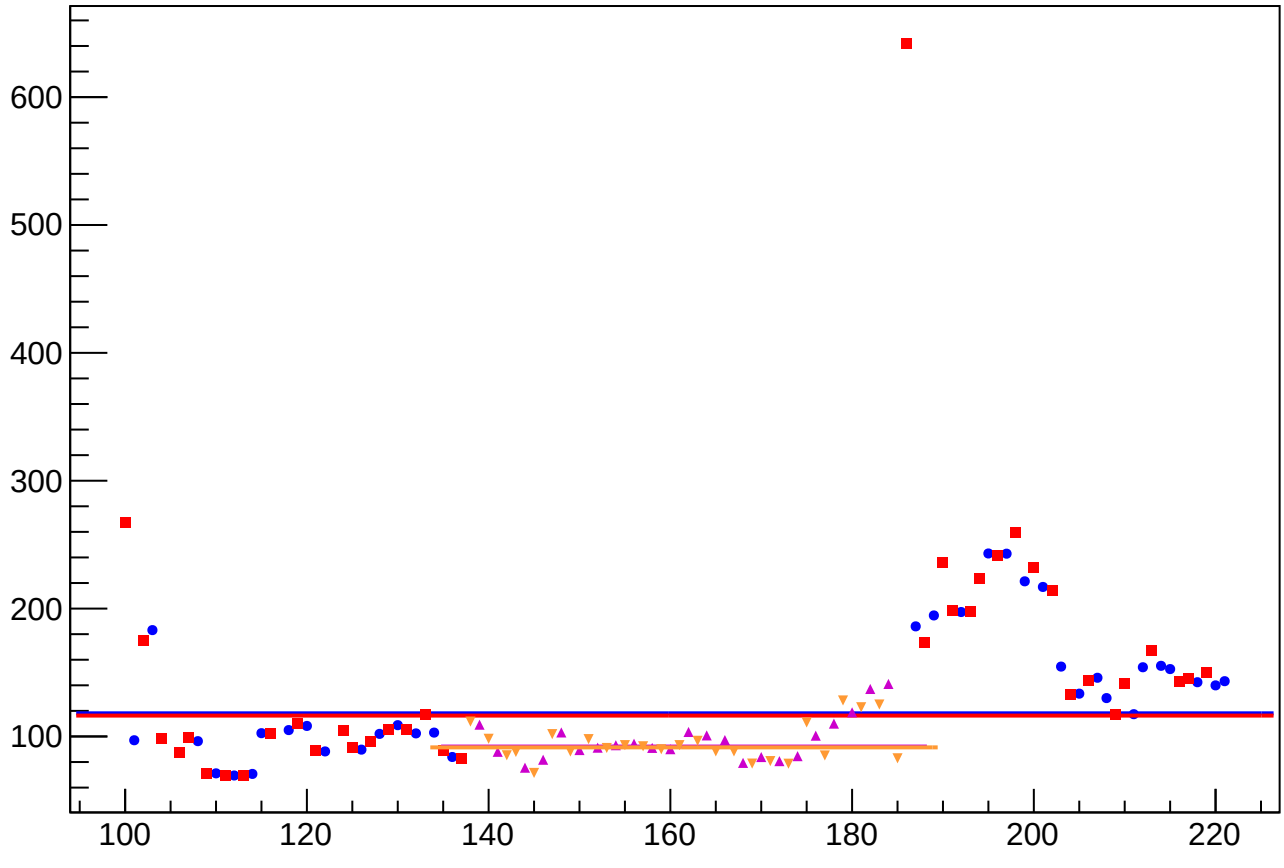
Out: 100.767+/-0.012 χ^2/NDF:7671879.6/61

All: 101.619+/-0.008 χ^2/NDF: 13997790.3/11


asym_sam_3748_avg_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: 1673.085+/-334.255 χ²/NDF: 59.0/36
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 186.493+/-235.745 χ²/NDF: 160.7/70
In: -202.110+/-162.713 χ²/NDF:100.5/56
Out: -294.046+/-159.969 χ²/NDF:171.7/61
All: -248.860+/-114.073 χ²/NDF: 272.3/118


asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1448.349+/-0.235 χ²/NDF: 5886487.2/33
Left Out: 786.758+/-0.129 χ²/NDF:1210893.0/24
Right Out: 1403.308+/-0.236 χ²/NDF: 7432093.4/36
Left In: 784.833+/-0.132 χ²/NDF:1063746.9/22
Left: 785.819+/-0.092 χ²/NDF: 2274748.8/47
Right: 1425.944+/-0.167 χ²/NDF: 13336831.1/70
In: 943.691+/-0.115 χ²/NDF:13006278.7/56
Out: 927.974+/-0.113 χ²/NDF:13889156.7/61
All: 935.698+/-0.081 χ²/NDF: 26904924.5/11


eigen_cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -81.727+/-26.748 χ²/NDF: 26.4/33
Left Out: 79.106+/-21.102 χ²/NDF:32.0/24
Right Out: -54.656+/-27.282 χ²/NDF: 65.9/36
Left In: 75.049+/-21.837 χ²/NDF:32.6/22
Left: 77.147+/-15.175 χ²/NDF: 64.6/47
Right: -68.459+/-19.100 χ²/NDF: 92.8/70
In: 12.347+/-16.916 χ²/NDF:79.6/56
Out: 29.036+/-16.692 χ²/NDF:112.9/61
All: 20.803+/-11.881 χ²/NDF: 193.0/118



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: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

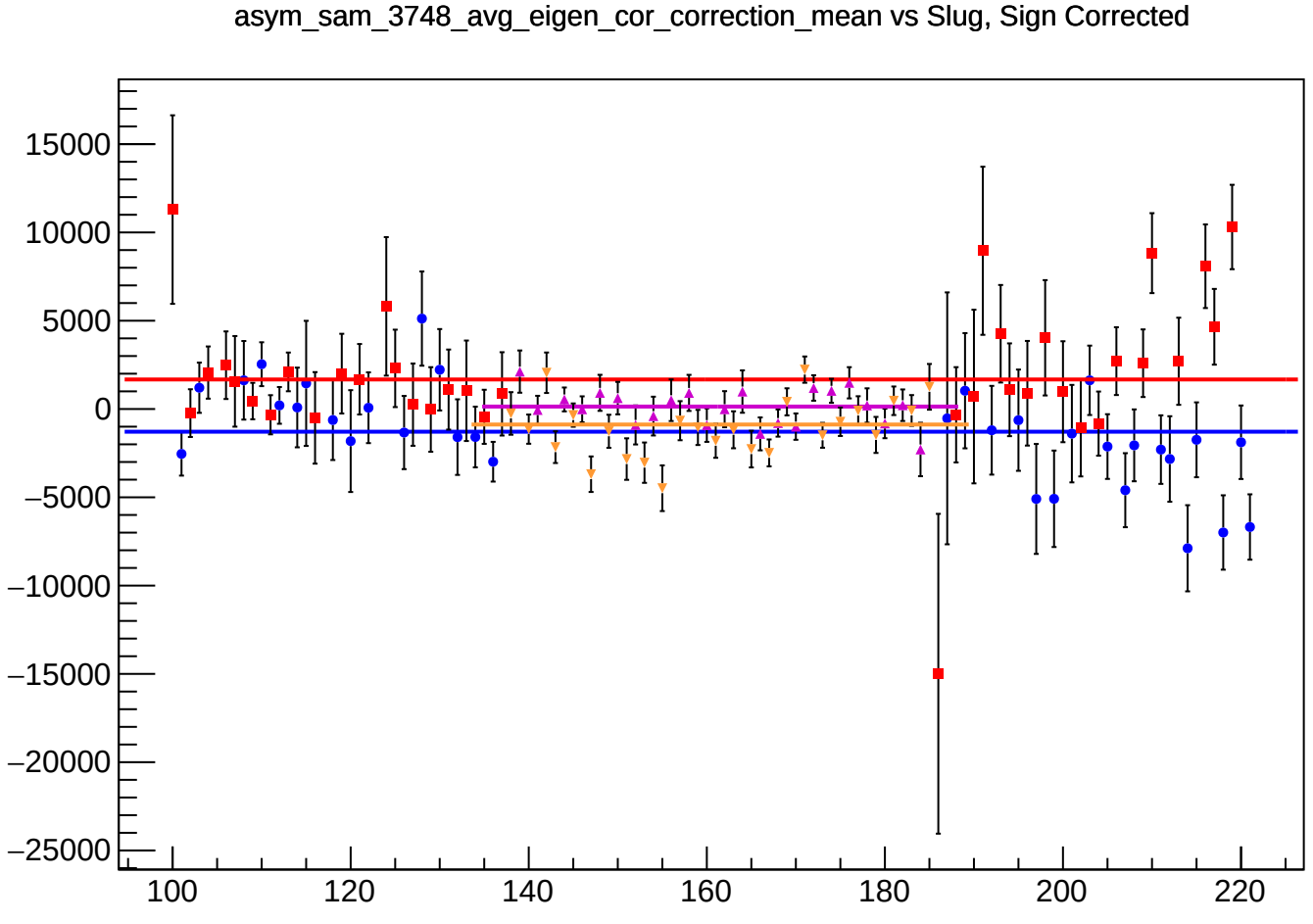
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 117.222+/-0.014 χ^2/NDF: 10368799.2/70

In: 102.494+/-0.012 χ^2/NDF:6315346.6/56

Out: 100.767+/-0.012 χ^2/NDF:7671879.6/61

All: 101.619+/-0.008 χ^2/NDF: 13997790.3/11



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: 1673.085+/-334.255 χ^2/NDF: 59.0/36

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

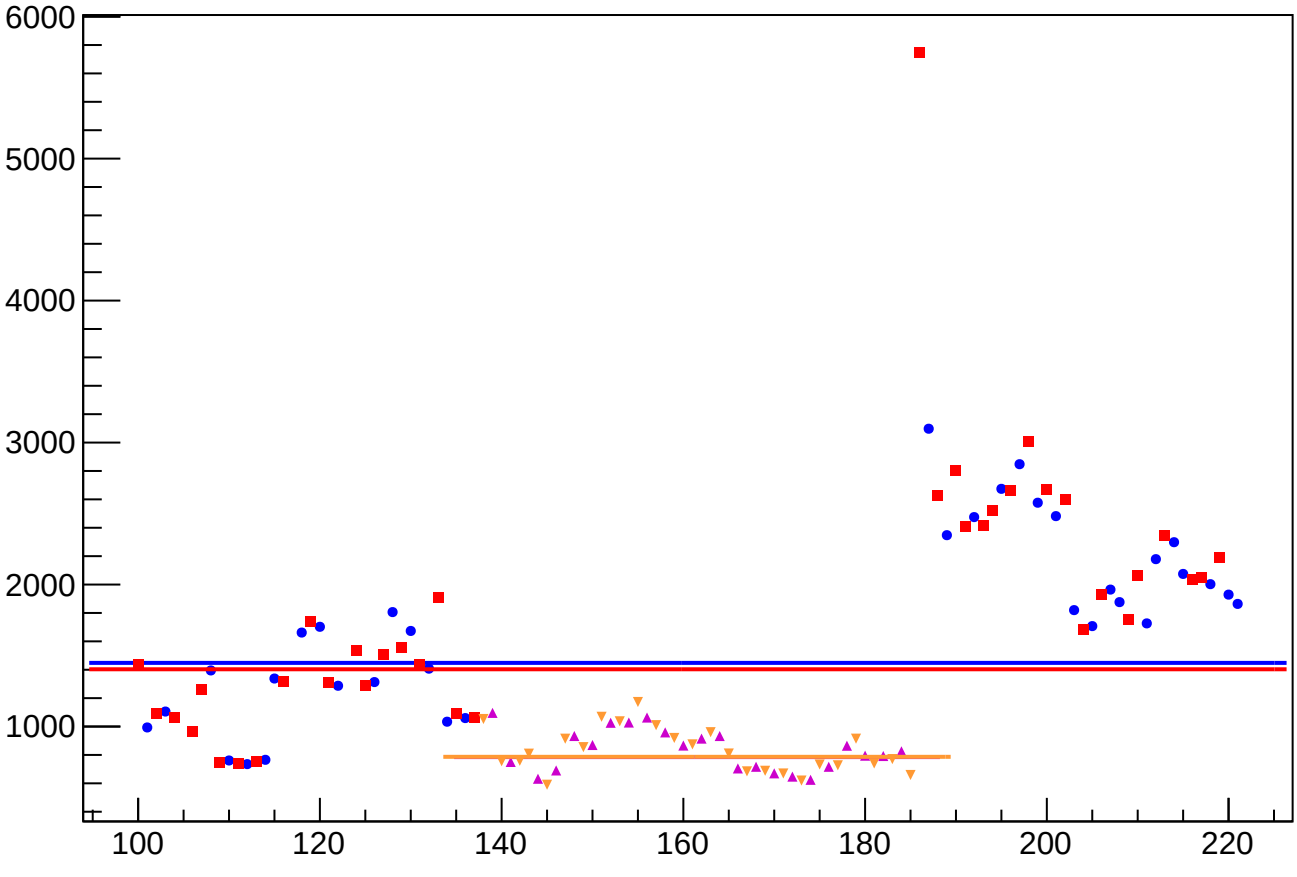
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 186.493+/-235.745 χ^2/NDF: 160.7/70

In: -202.110+/-162.713 χ^2/NDF:100.5/56

Out: -294.046+/-159.969 χ^2/NDF:171.7/61

All: -248.860+/-114.073 χ^2/NDF: 272.3/118



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: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

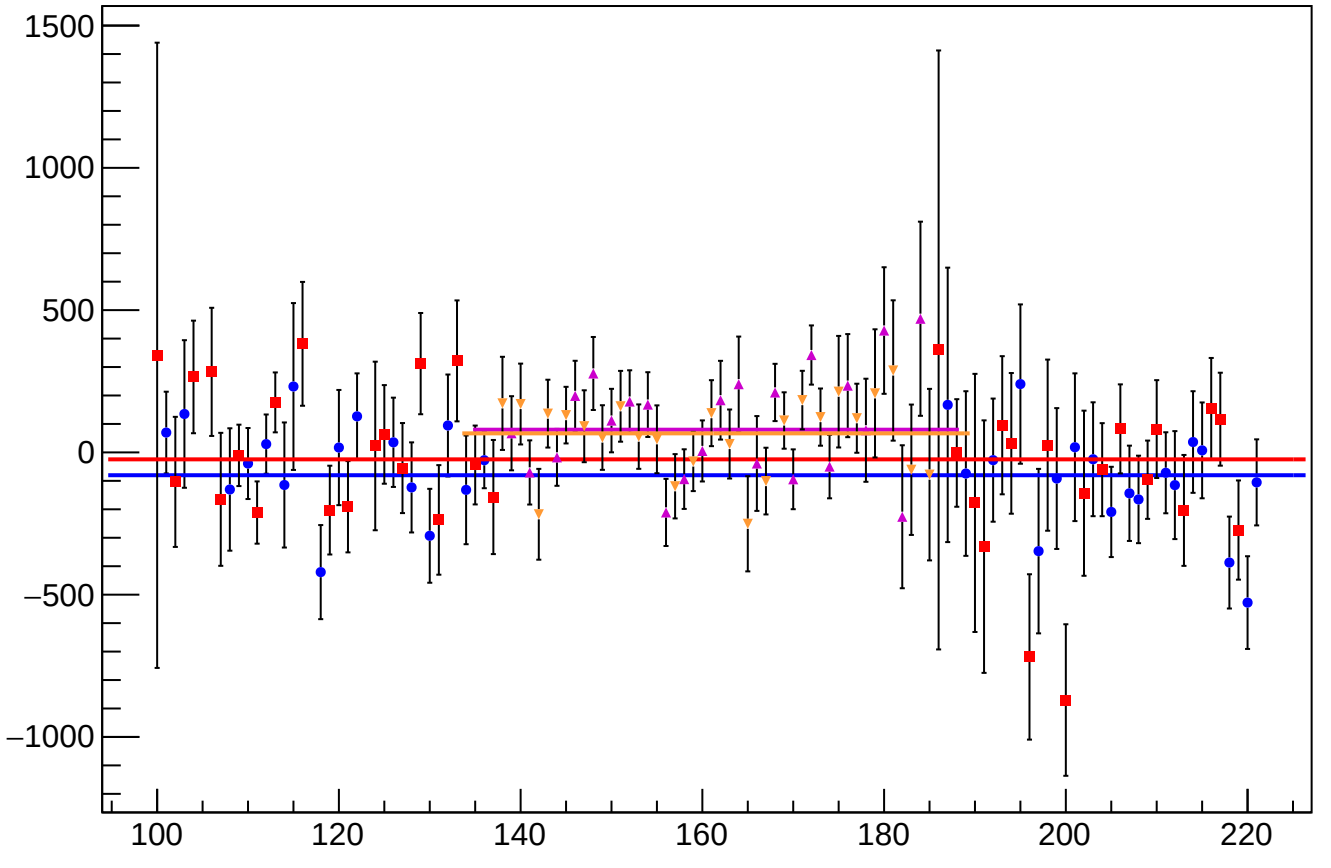
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1425.944+/-0.167 χ^2/NDF: 13336831.1/70

In: 943.691+/-0.115 χ^2/NDF:13006278.7/56

Out: 927.974+/-0.113 χ^2/NDF:13889156.7/61

All: 935.698+/-0.081 χ^2/NDF: 26904924.5/11



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: -24.437+/-30.140 χ^2/NDF: 48.1/36

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

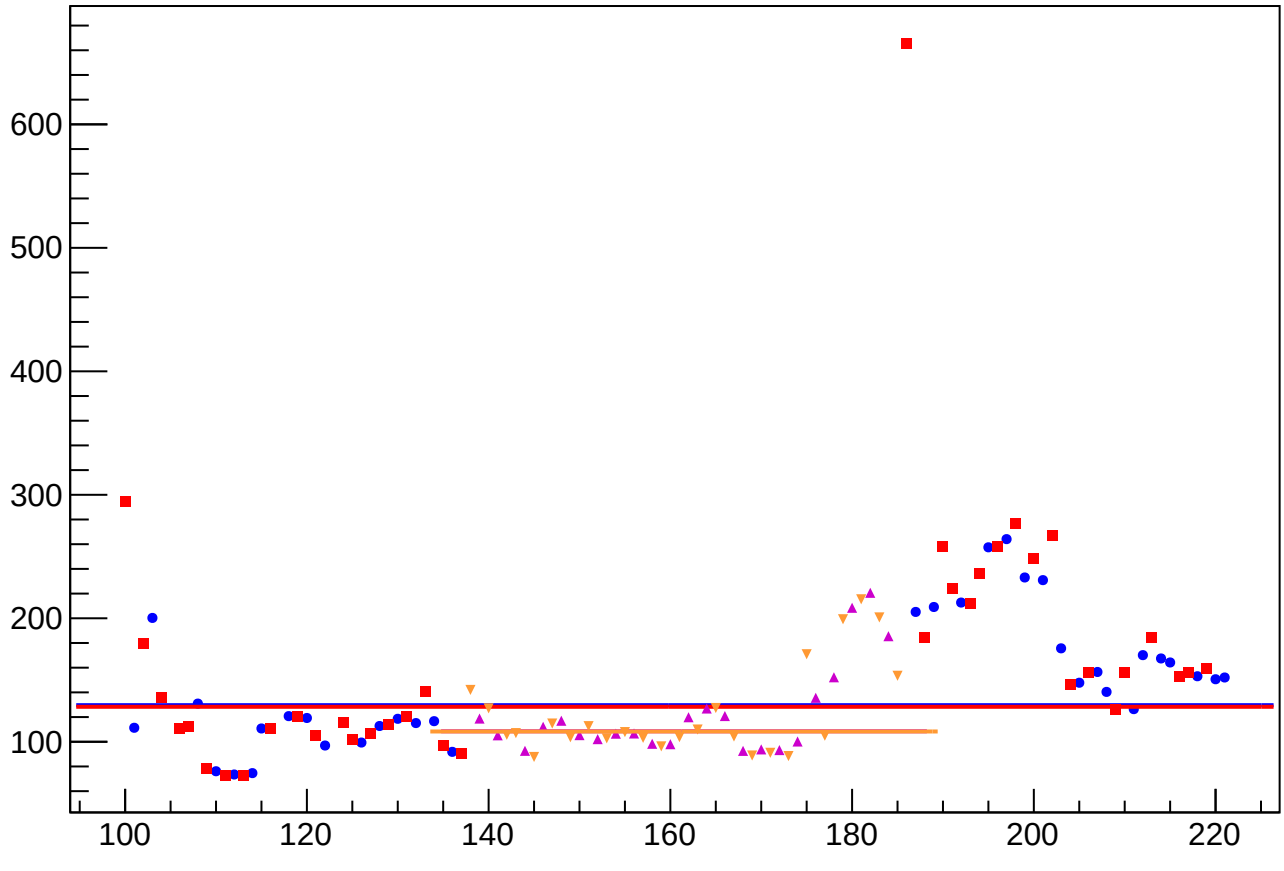
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -53.023+/-21.043 χ^2/NDF: 79.7/70

In: 8.640+/-19.599 χ^2/NDF:83.3/56

Out: 28.648+/-19.505 χ^2/NDF:73.0/61

All: 18.692+/-13.825 χ^2/NDF: 156.8/118



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: 128.331+/-0.021 χ^2/NDF: 5799416.1/36

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

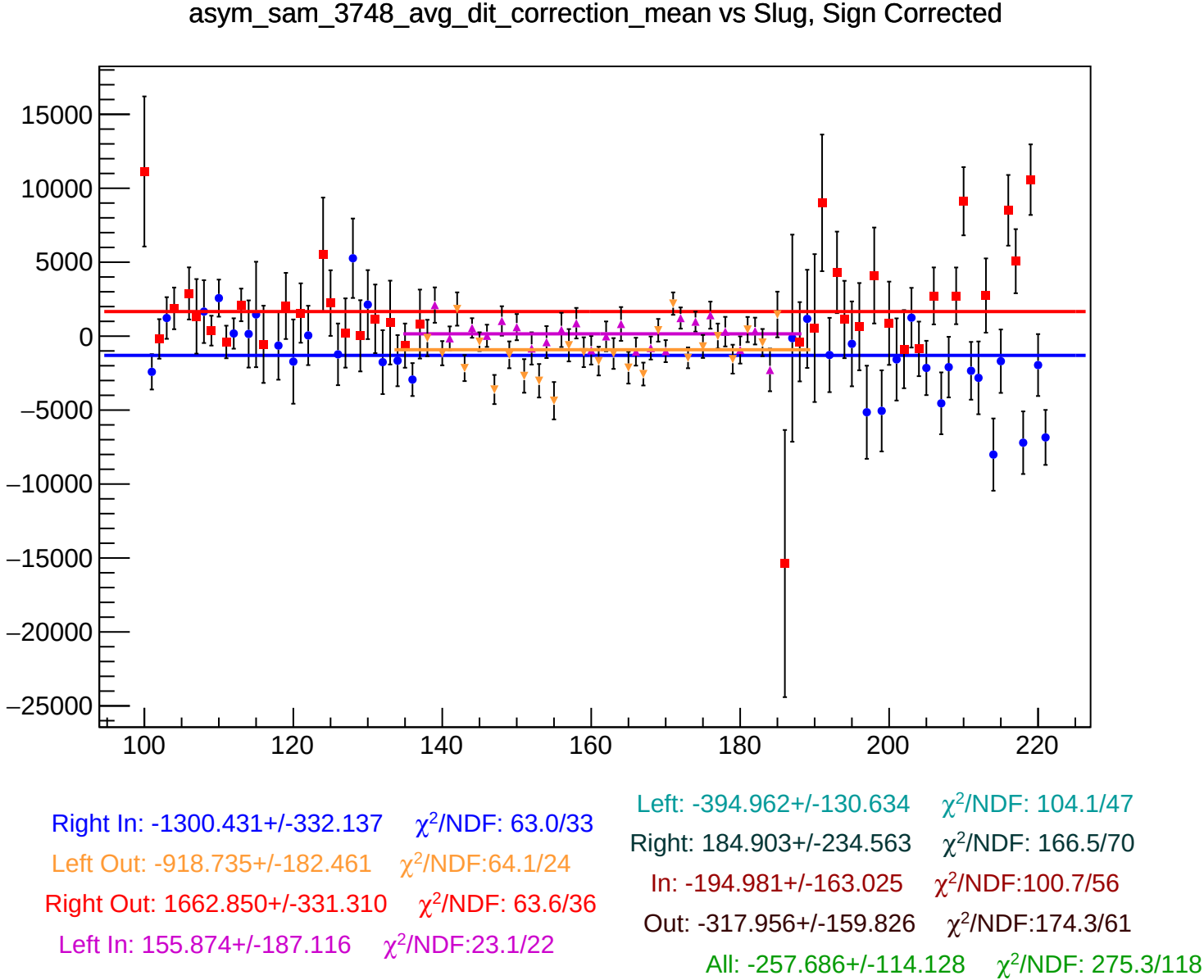
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

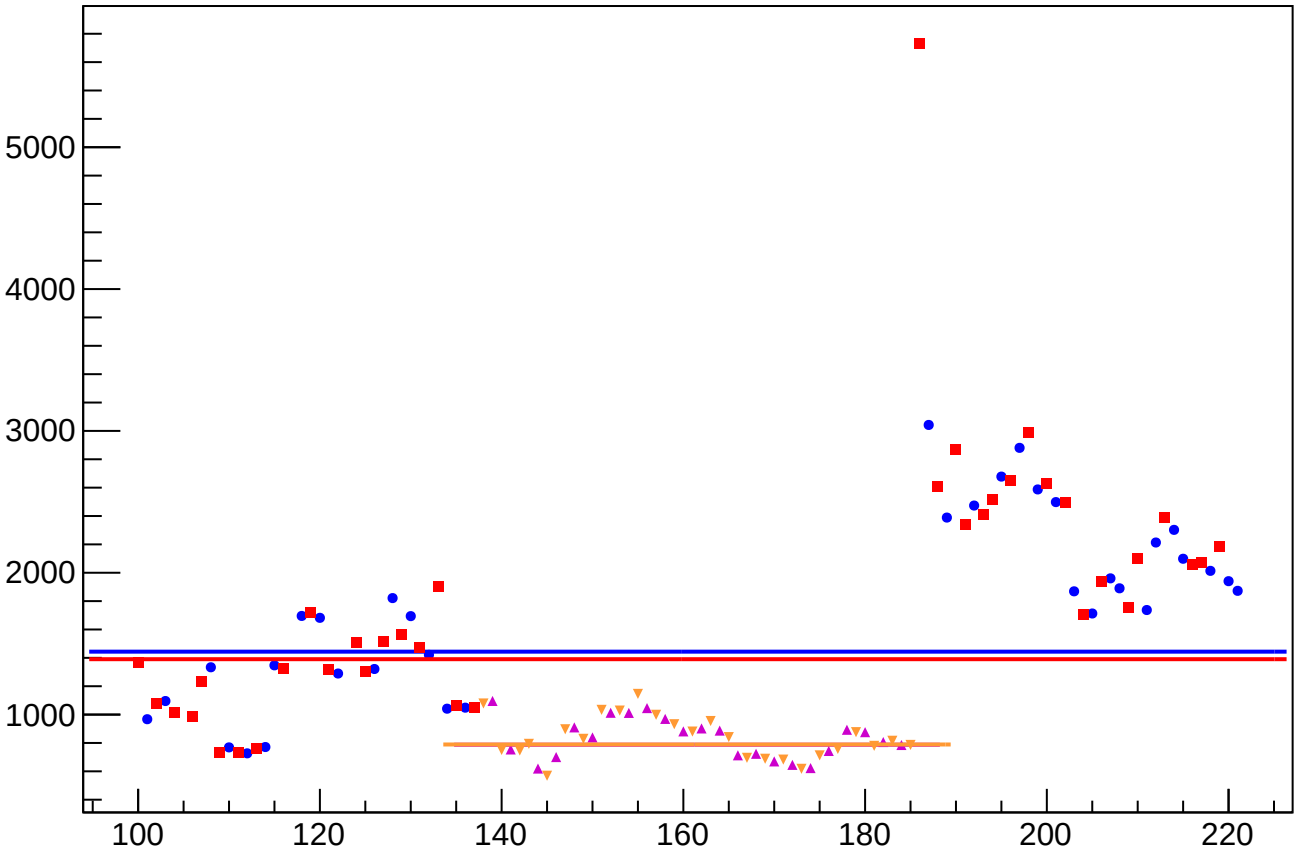
Right: 128.997+/-0.015 χ^2/NDF: 10171369.5/70

In: 117.891+/-0.014 χ^2/NDF:6323939.9/56

Out: 116.706+/-0.014 χ^2/NDF:8085914.3/61

All: 117.296+/-0.010 χ^2/NDF: 14413525.0/11


asym_sam_3748_avg_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: -1300.431+/-332.137 χ²/NDF: 63.0/33
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 1662.850+/-331.310 χ²/NDF: 63.6/36
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 184.903+/-234.563 χ²/NDF: 166.5/70
In: -194.981+/-163.025 χ²/NDF:100.7/56
Out: -317.956+/-159.826 χ²/NDF:174.3/61
All: -257.686+/-114.128 χ²/NDF: 275.3/118



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: 1390.589+/-0.234 χ^2/NDF: 7581802.5/36

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

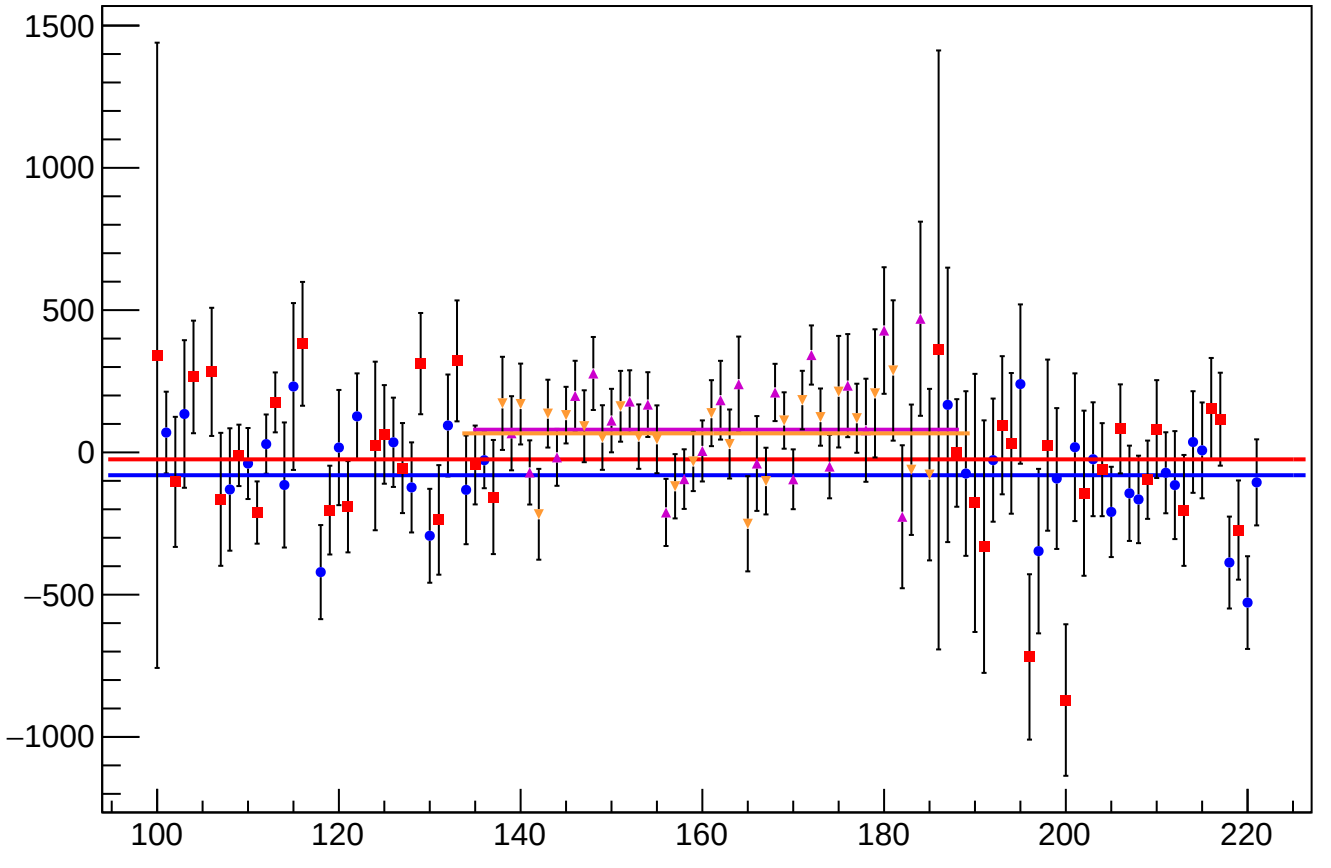
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1417.087+/-0.166 χ^2/NDF: 13673216.0/70

In: 945.512+/-0.115 χ^2/NDF:13035365.9/56

Out: 929.192+/-0.113 χ^2/NDF:13814014.2/61

All: 937.190+/-0.081 χ^2/NDF: 26859601.2/11



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: -24.440+/-30.140 χ^2/NDF: 48.1/36

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

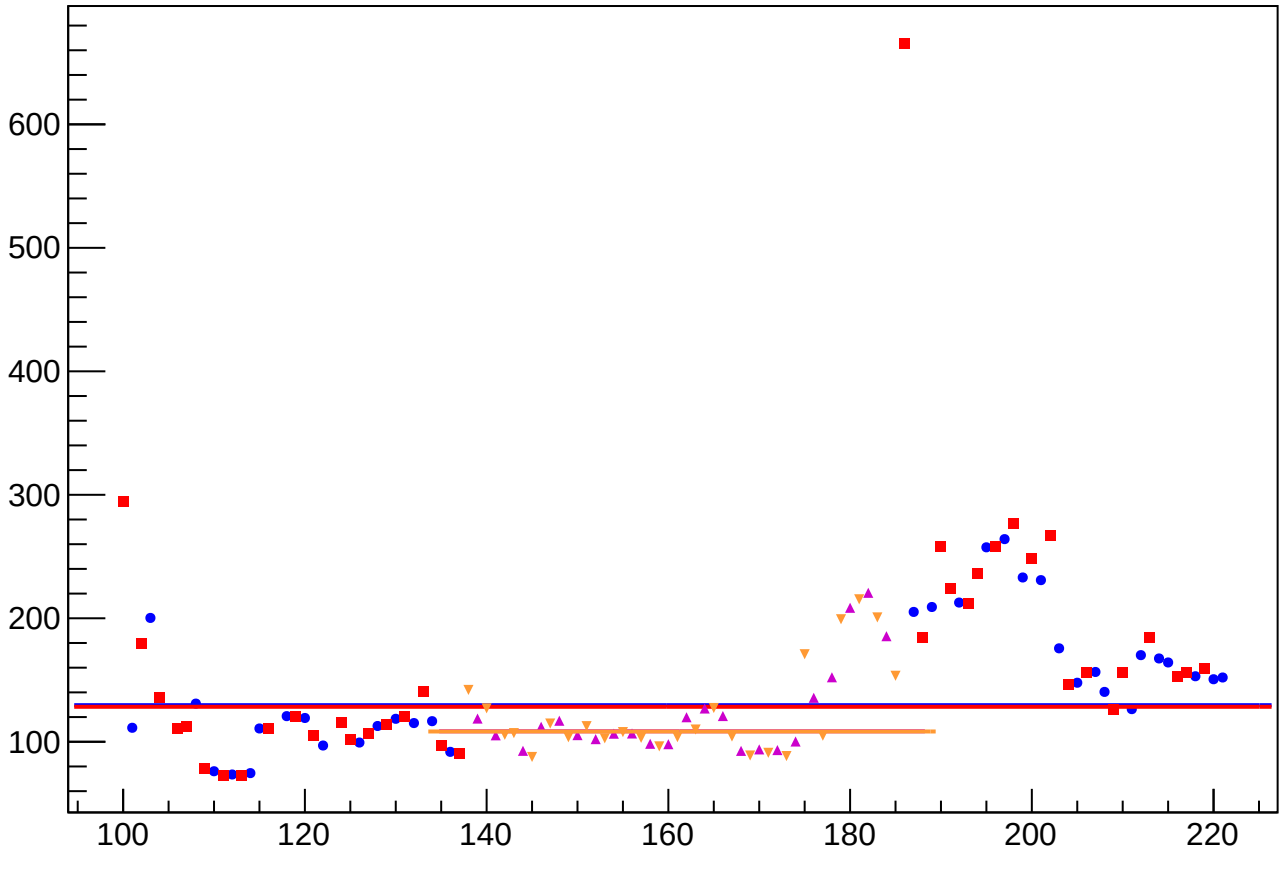
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -53.024+/-21.043 χ^2/NDF: 79.7/70

In: 8.641+/-19.599 χ^2/NDF:83.3/56

Out: 28.647+/-19.505 χ^2/NDF:73.0/61

All: 18.692+/-13.825 χ^2/NDF: 156.8/118



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: 128.331+/-0.021 χ^2/NDF: 5799413.5/36

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

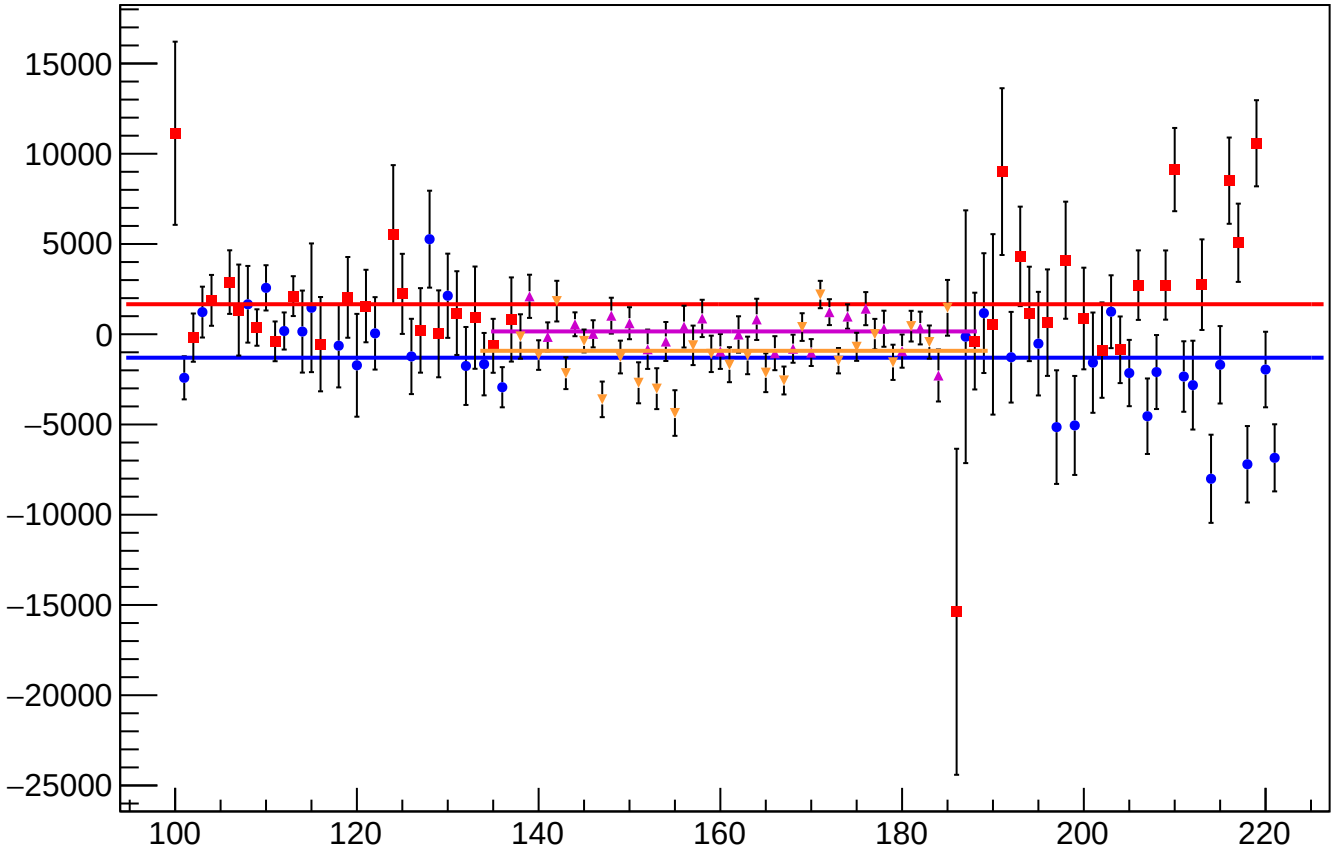
Right: 128.997+/-0.015 χ^2/NDF: 10171347.6/70

In: 117.891+/-0.014 χ^2/NDF:6323889.6/56

Out: 116.706+/-0.014 χ^2/NDF:8085895.7/61

All: 117.296+/-0.010 χ^2/NDF: 14413456.1/11

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1300.428+/-332.136 χ^2/NDF: 63.0/33

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 1662.847+/-331.309 χ^2/NDF: 63.6/36

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

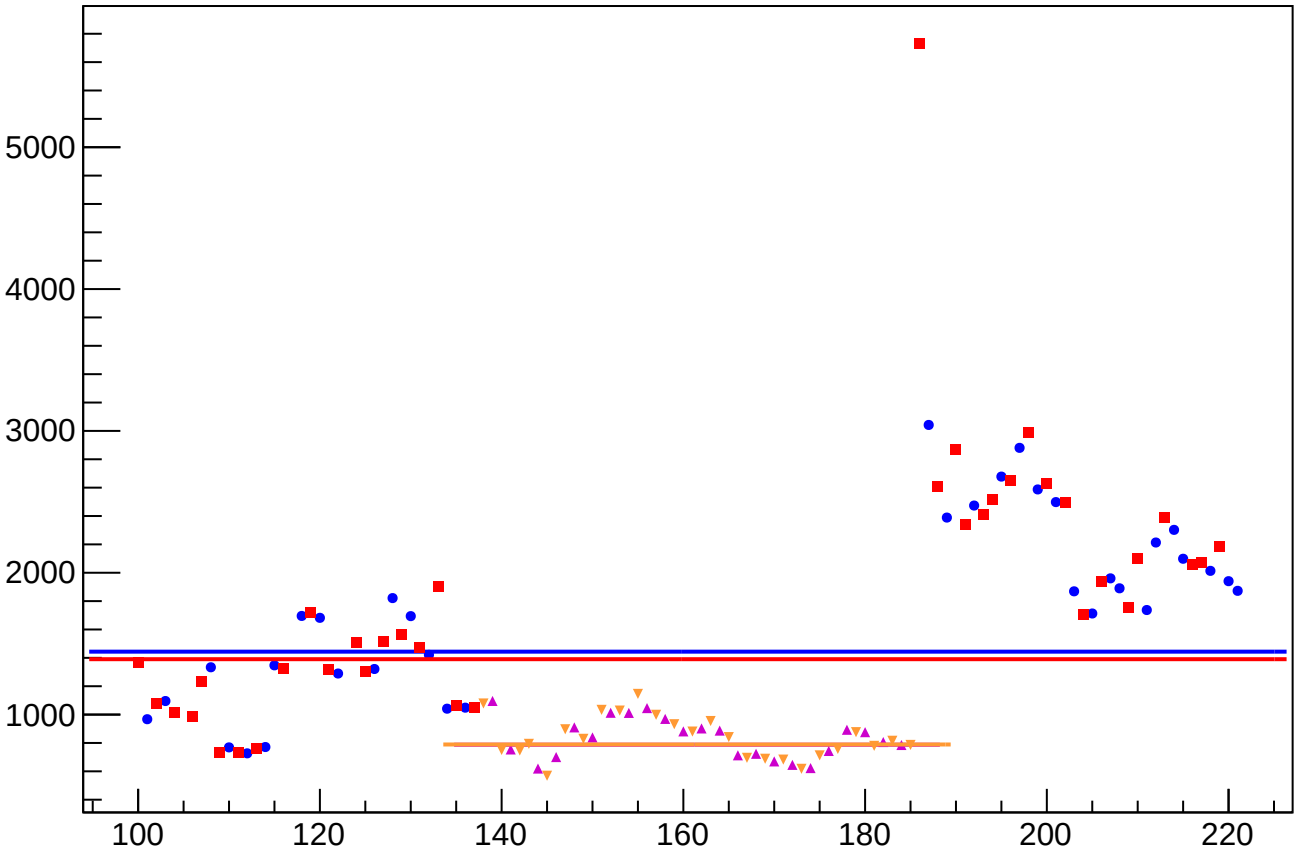
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 184.903+/-234.563 χ^2/NDF: 166.5/70

In: -194.980+/-163.025 χ^2/NDF:100.7/56

Out: -317.956+/-159.826 χ^2/NDF:174.3/61

All: -257.686+/-114.128 χ^2/NDF: 275.3/118



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: 1390.587+/-0.234 χ^2/NDF: 7581812.0/36

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

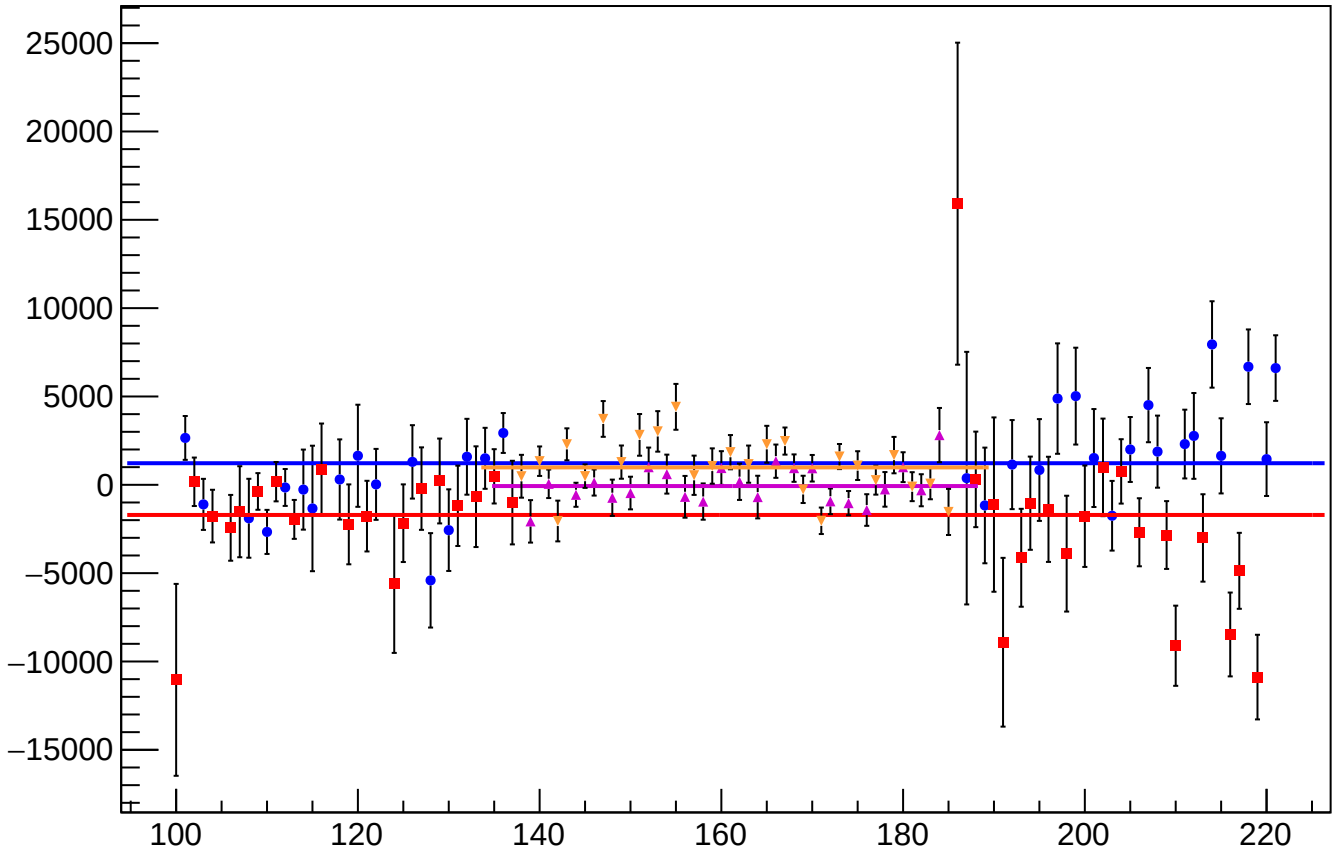
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1417.085+/-0.166 χ^2/NDF: 13673240.2/70

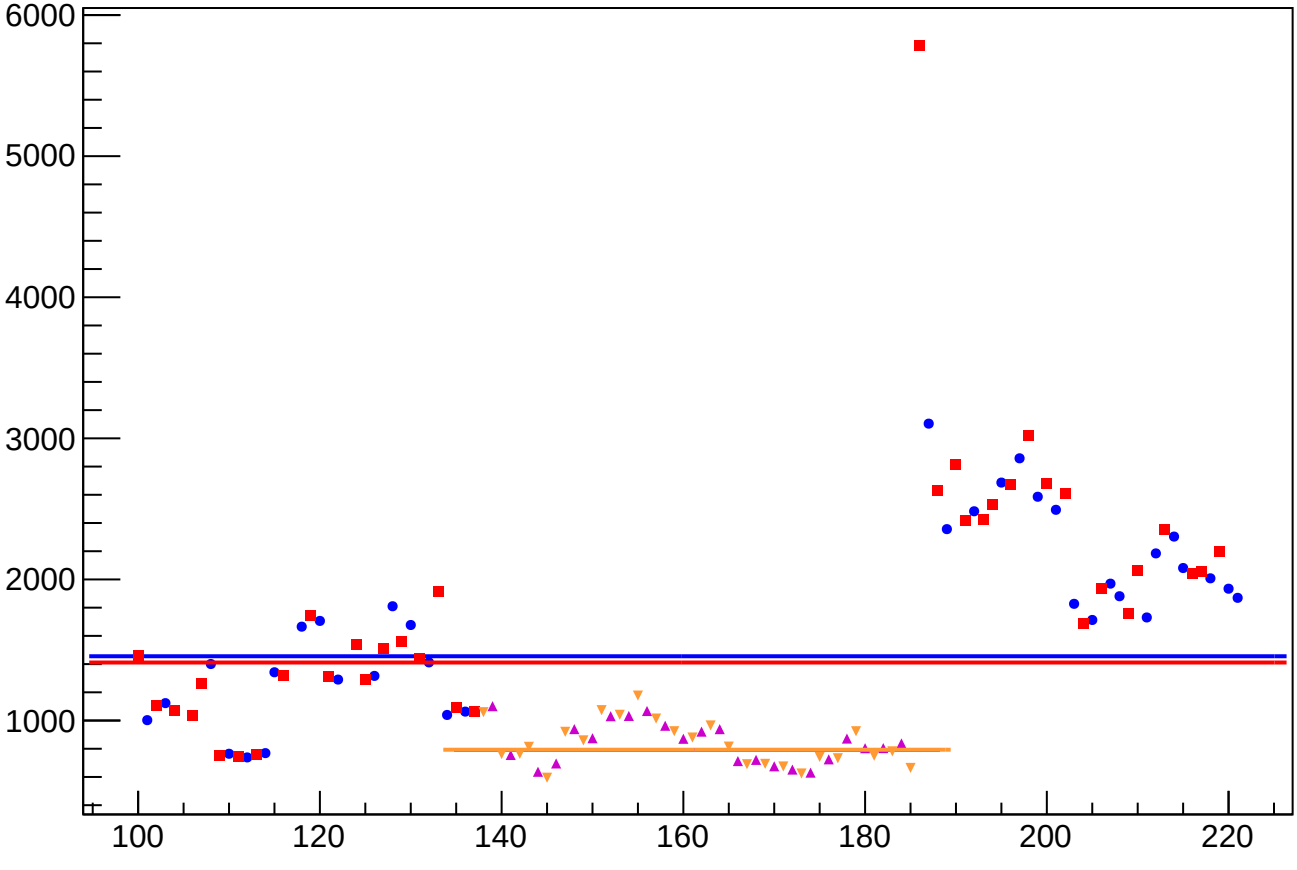
In: 945.511+/-0.115 χ^2/NDF:13035382.6/56

Out: 929.190+/-0.113 χ^2/NDF:13814030.5/61

All: 937.189+/-0.081 χ^2/NDF: 26859634.2/11


asym_sam_3748_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1222.699+/-334.046 χ²/NDF: 62.3/33
Left Out: 985.656+/-183.601 χ²/NDF:63.7/24
Right Out: -1705.802+/-335.416 χ²/NDF: 62.1/36
Left In: -70.089+/-188.036 χ²/NDF:24.4/22
Left: 470.380+/-131.365 χ²/NDF: 104.3/47
Right: -235.559+/-236.689 χ²/NDF: 162.7/70
In: 240.979+/-163.859 χ²/NDF:98.1/56
Out: 365.144+/-161.052 χ²/NDF:175.3/61
All: 304.134+/-114.860 χ²/NDF: 273.8/118

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: 1411.249+/-0.237 χ^2/NDF: 7382228.7/36

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

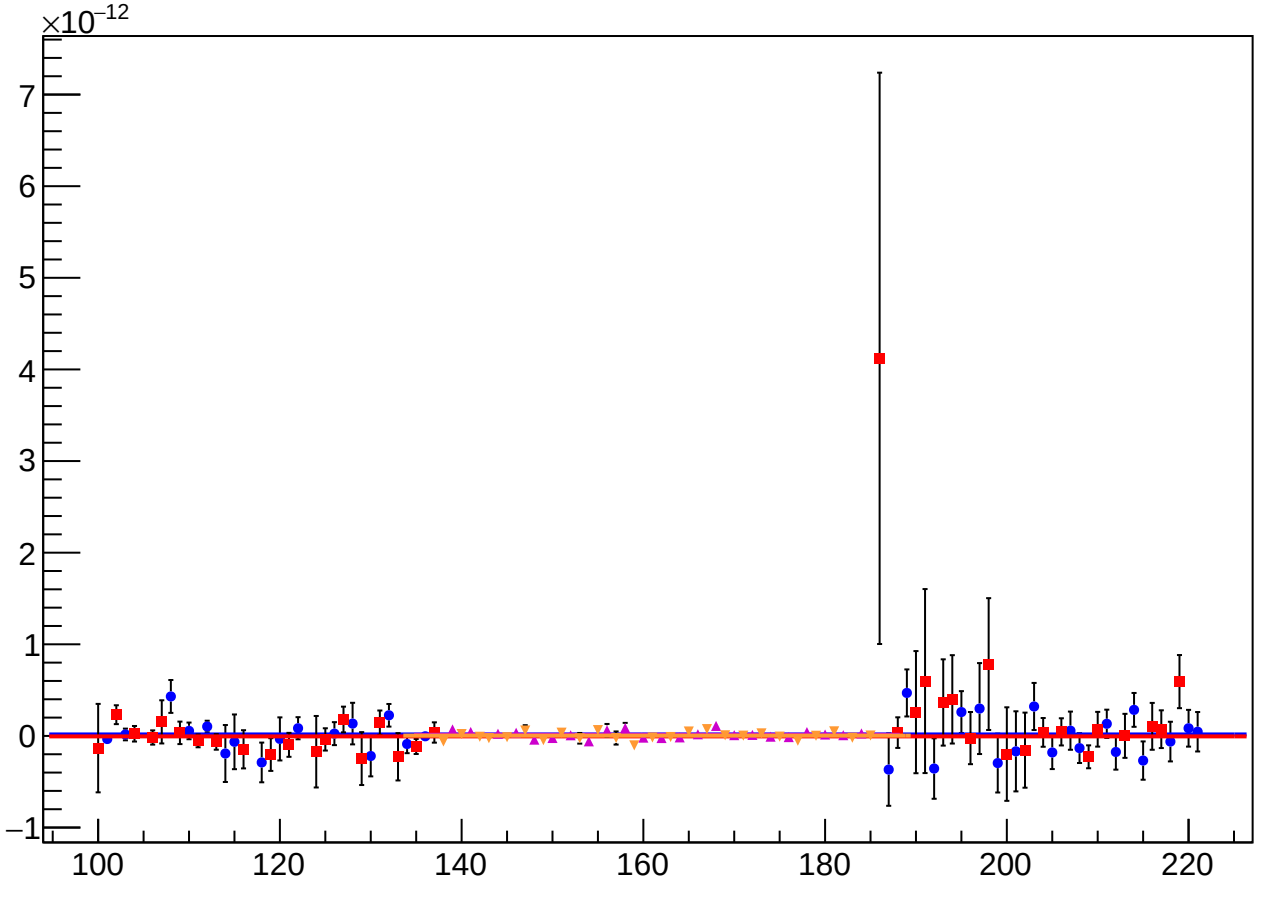
Right: 1433.502+/-0.167 χ^2/NDF: 13252359.6/70

In: 951.026+/-0.116 χ^2/NDF:12910112.8/56

Out: 935.576+/-0.114 χ^2/NDF:13803753.7/61

All: 943.168+/-0.081 χ^2/NDF: 26722910.4/11

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: 29.1/36

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

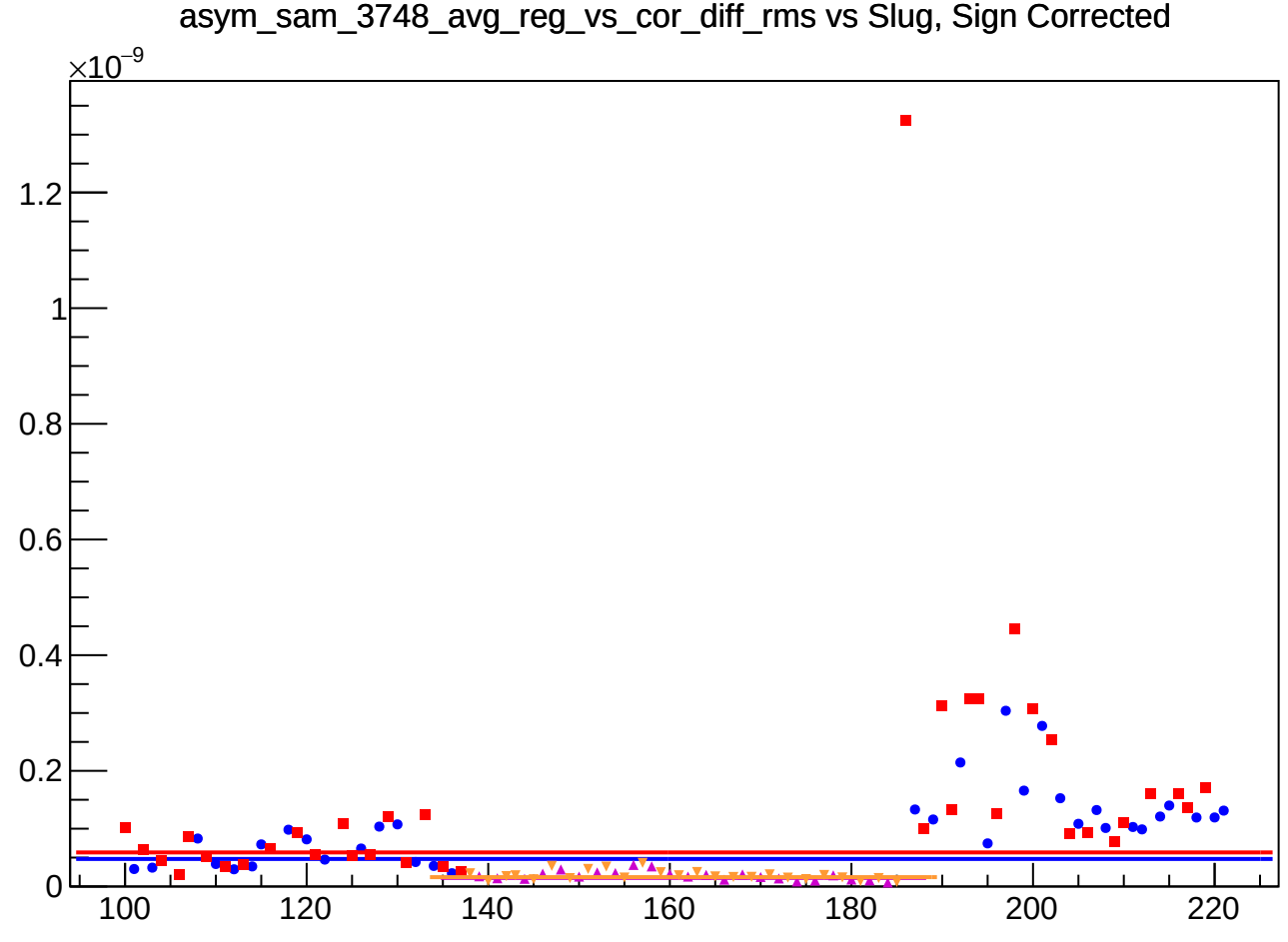
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 63.6/70

In: 0.000+/-0.000 χ^2/NDF:59.4/56

Out: 0.000+/-0.000 χ^2/NDF:63.2/61

All: 0.000+/-0.000 χ^2/NDF: 123.8/118



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: 6918844.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

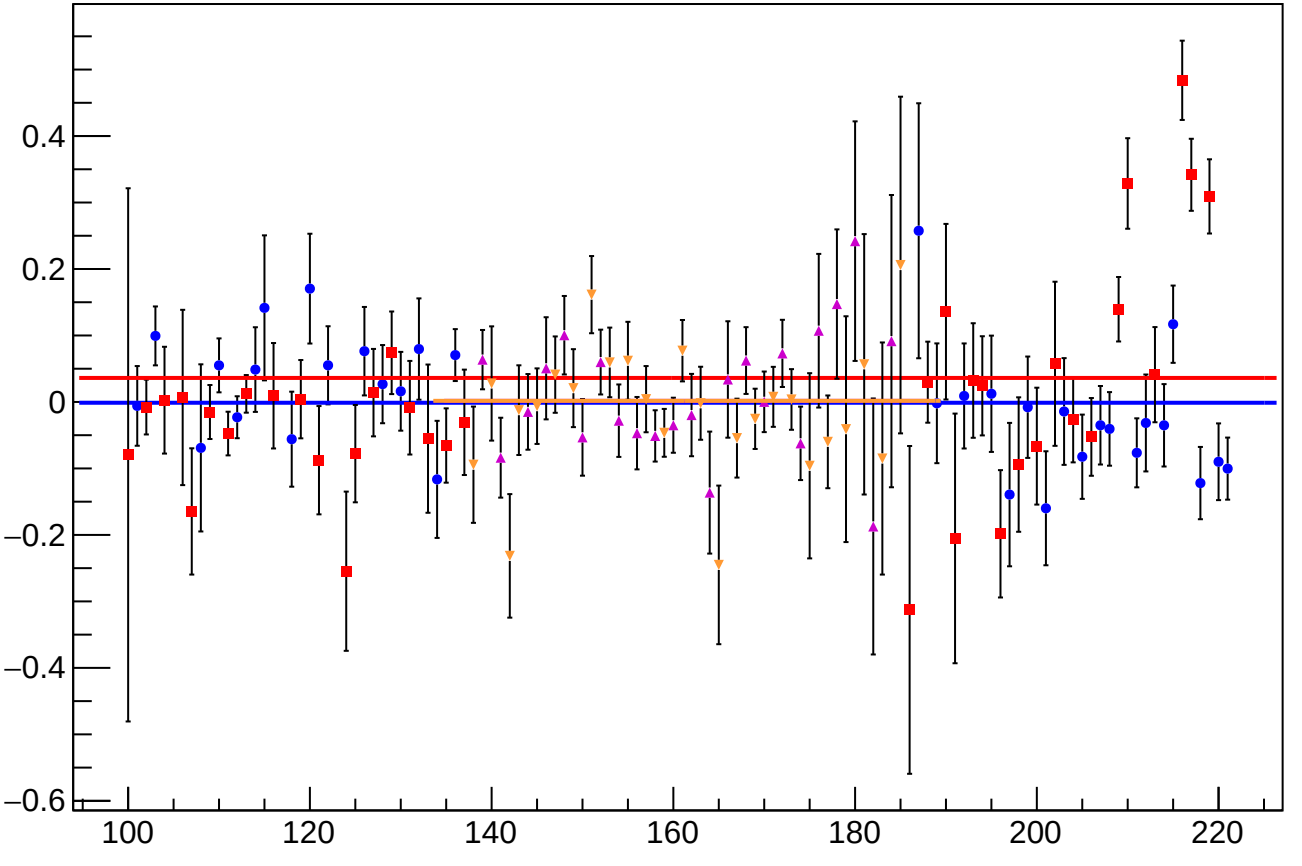
Right: 0.000+/-0.000 χ^2/NDF: 14198192.8/70

In: 0.000+/-0.000 χ^2/NDF:13497865.0/56

Out: 0.000+/-0.000 χ^2/NDF:14442849.6/61

All: 0.000+/-0.000 χ^2/NDF: 27976728.9/118

asym_sam_3748_avg_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: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

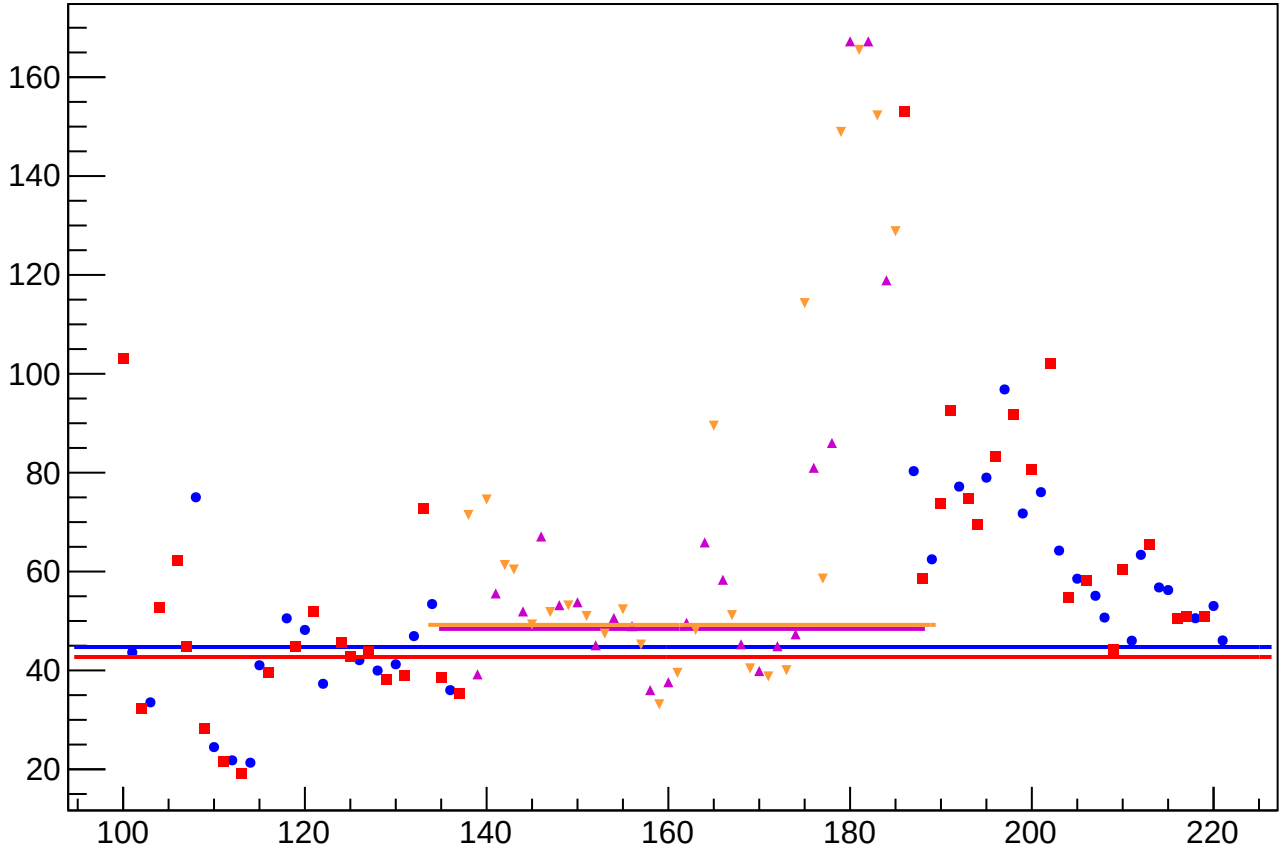
Right: 0.017+/-0.007 χ^2/NDF: 241.3/70

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.011+/-0.006 χ^2/NDF: 299.7/118

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: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

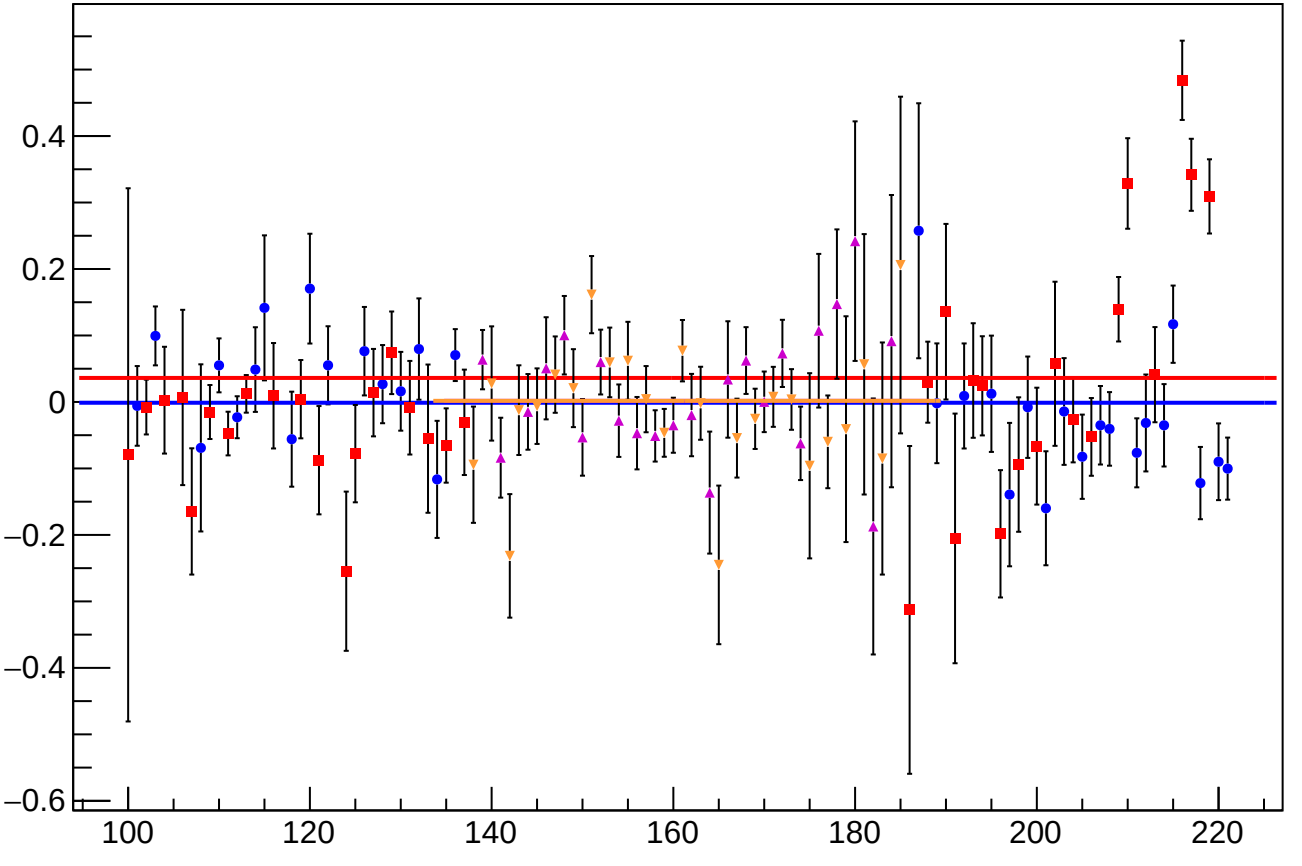
Right: 43.728+/-0.005 χ^2/NDF: 11331943.7/70

In: 46.249+/-0.006 χ^2/NDF:7824870.8/56

Out: 45.433+/-0.006 χ^2/NDF:11102083.4/61

All: 45.840+/-0.004 χ^2/NDF: 18937488.1/118

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: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

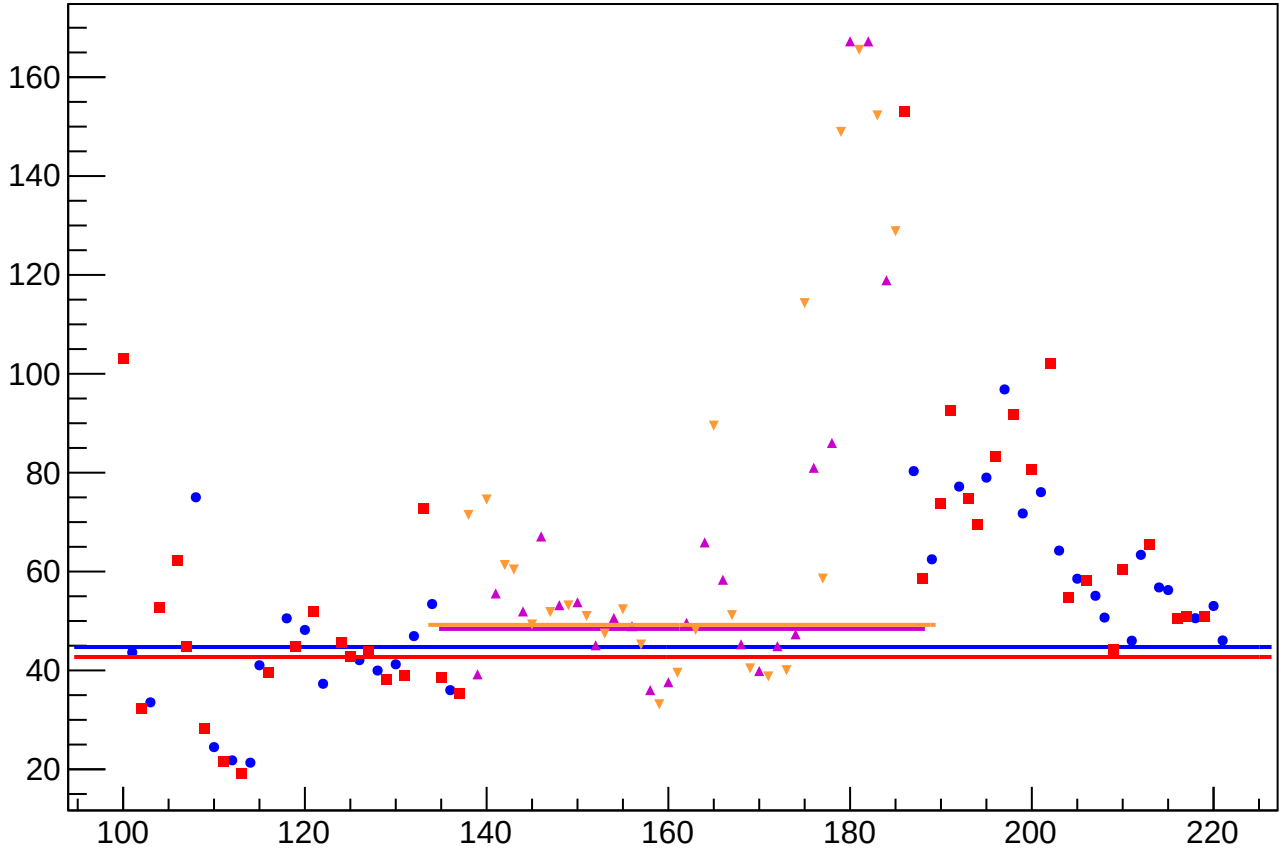
Right: 0.017+/-0.007 χ^2/NDF: 241.3/70

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.011+/-0.006 χ^2/NDF: 299.7/118

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: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

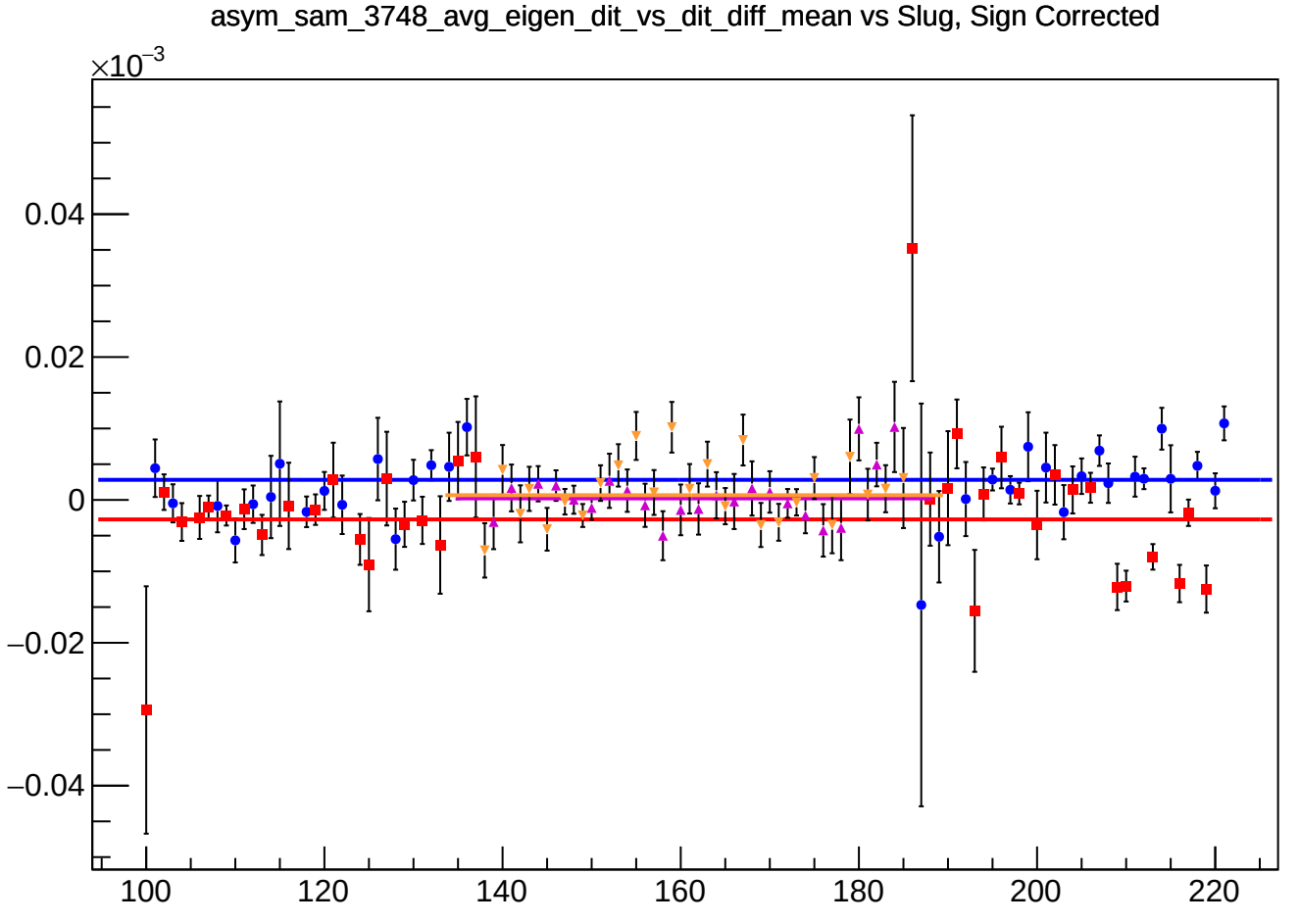
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.728+/-0.005 χ^2/NDF: 11331943.7/70

In: 46.249+/-0.006 χ^2/NDF:7824870.8/56

Out: 45.433+/-0.006 χ^2/NDF:11102083.4/61

All: 45.840+/-0.004 χ^2/NDF: 18937488.1/118



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: 103.1/36

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

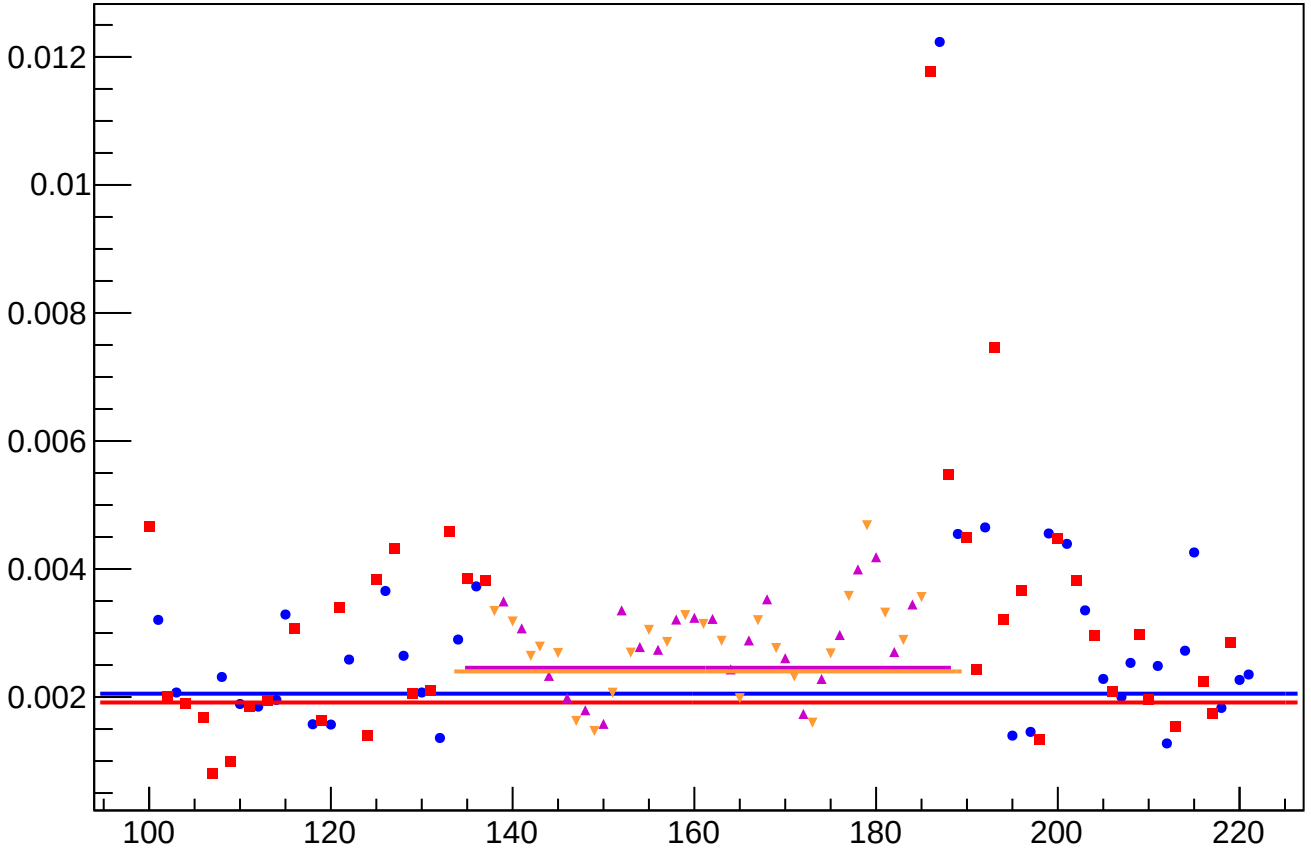
Right: 0.000+/-0.000 χ^2/NDF: 224.1/70

In: 0.000+/-0.000 χ^2/NDF:84.8/56

Out: -0.000+/-0.000 χ^2/NDF:165.5/61

All: 0.000+/-0.000 χ^2/NDF: 286.5/118

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: 8091961.3/36

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

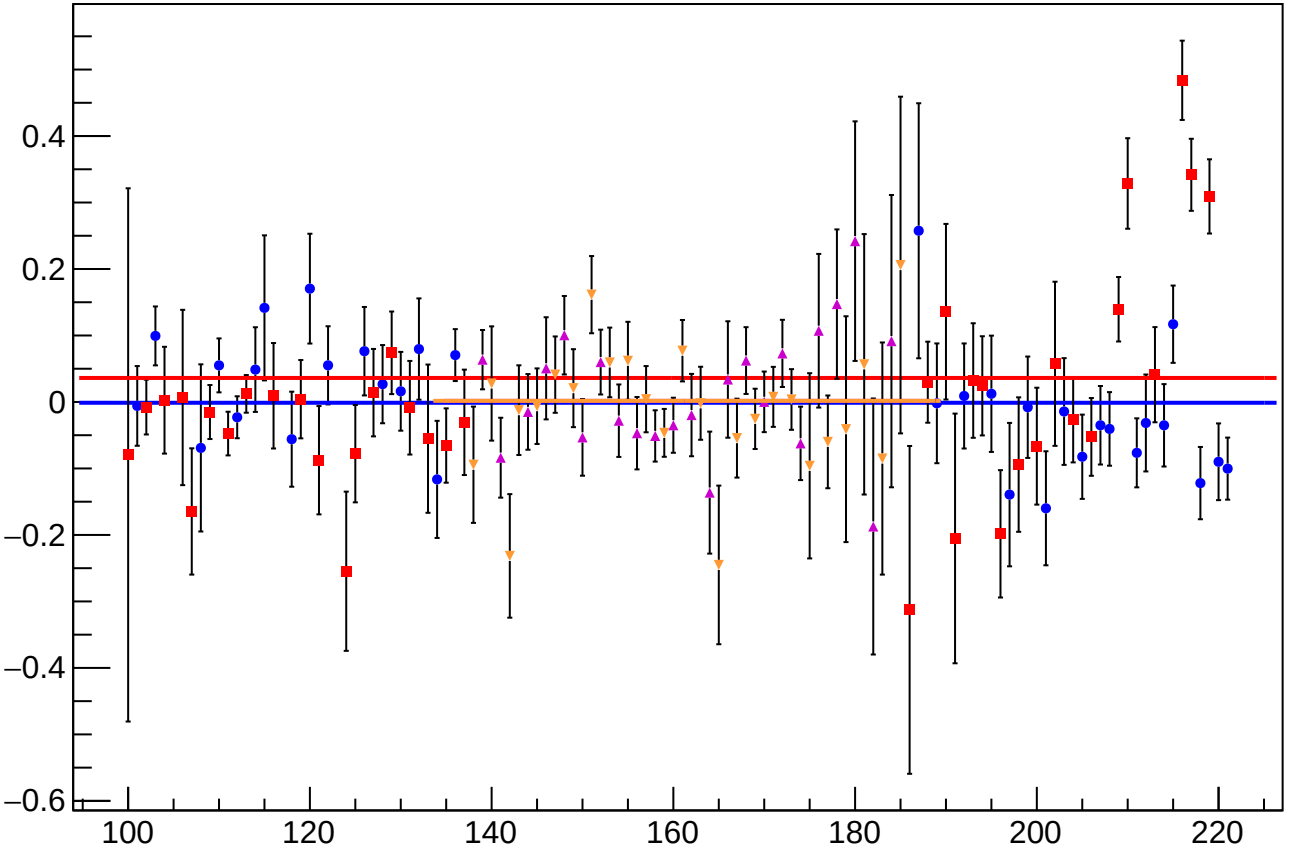
Right: 0.002+/-0.000 χ^2/NDF: 13612656.0/70

In: 0.002+/-0.000 χ^2/NDF:8618794.1/56

Out: 0.002+/-0.000 χ^2/NDF:12068437.4/61

All: 0.002+/-0.000 χ^2/NDF: 20757622.0/118

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: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

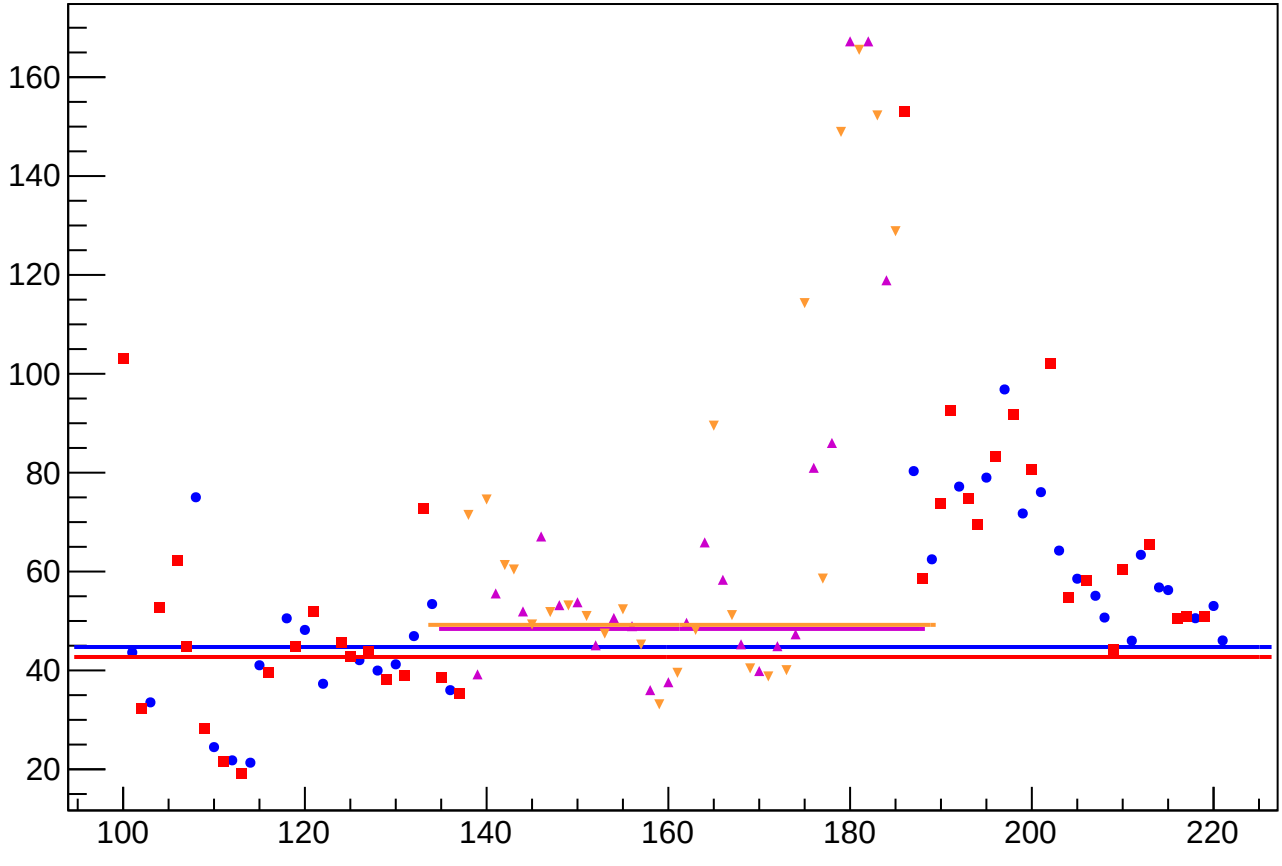
Right: 0.017+/-0.007 χ^2/NDF: 241.3/70

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.011+/-0.006 χ^2/NDF: 299.7/118

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: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

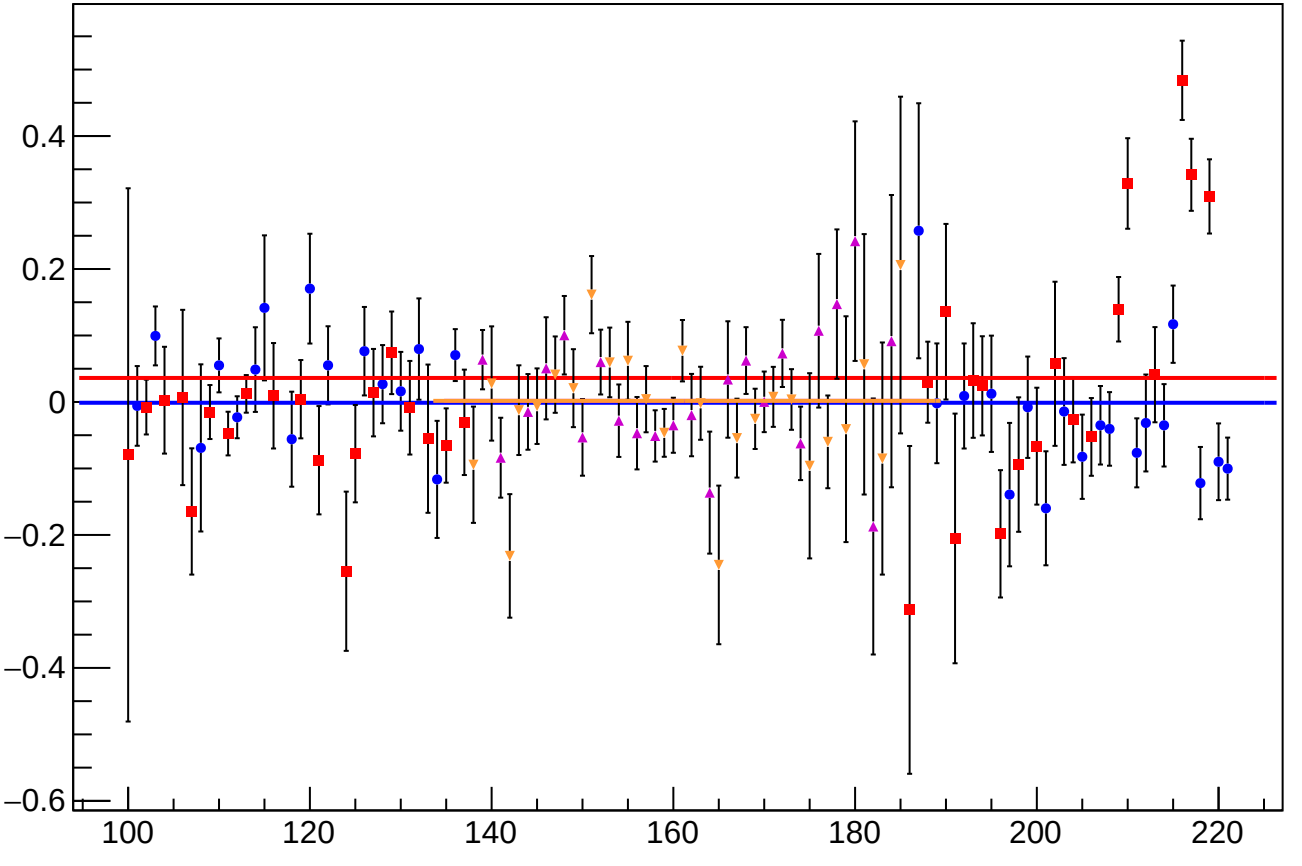
Right: 43.728+/-0.005 χ^2/NDF: 11331671.8/70

In: 46.249+/-0.006 χ^2/NDF:7824694.5/56

Out: 45.433+/-0.006 χ^2/NDF:11101959.5/61

All: 45.841+/-0.004 χ^2/NDF: 18937185.4/118

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: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

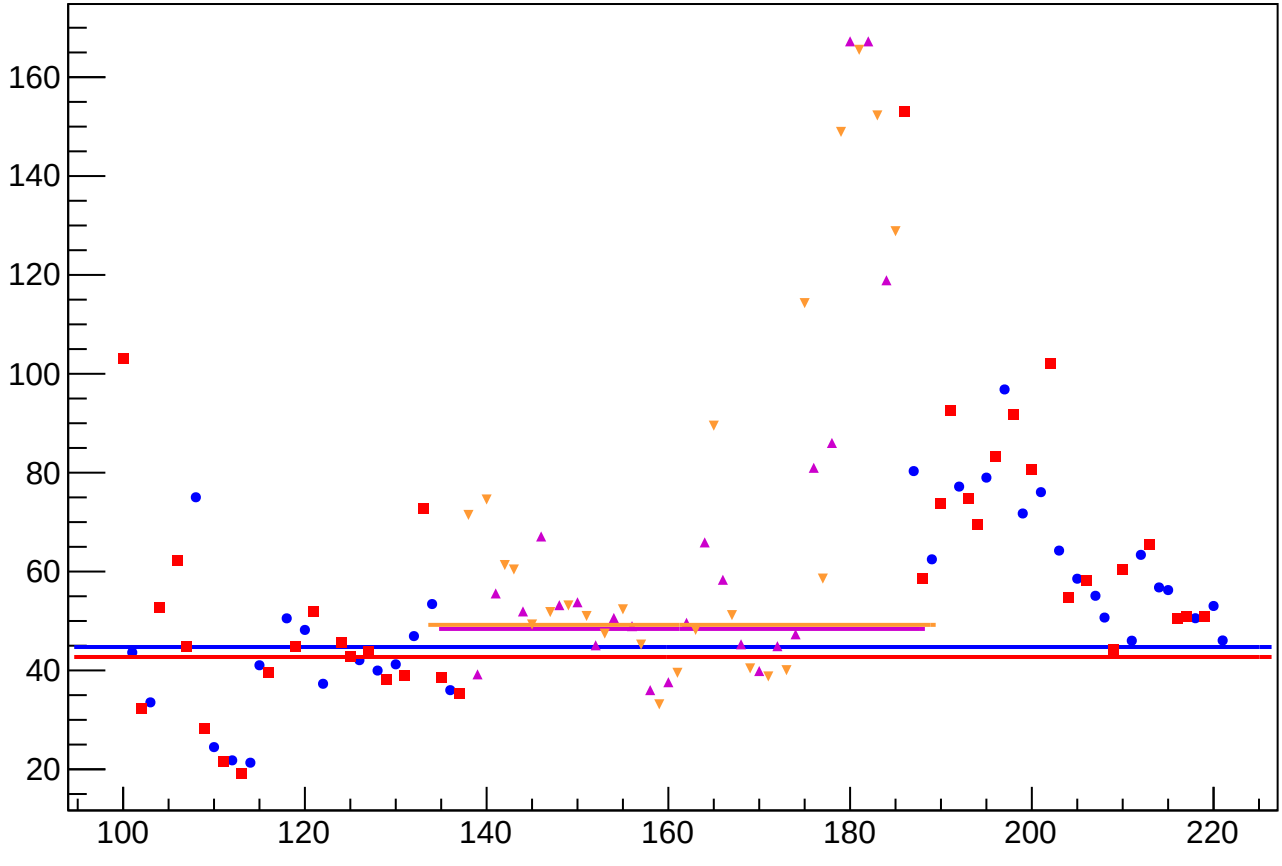
Right: 0.017+/-0.007 χ^2/NDF: 241.3/70

In: -0.000+/-0.008 χ^2/NDF:77.9/56

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.011+/-0.006 χ^2/NDF: 299.7/118

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: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

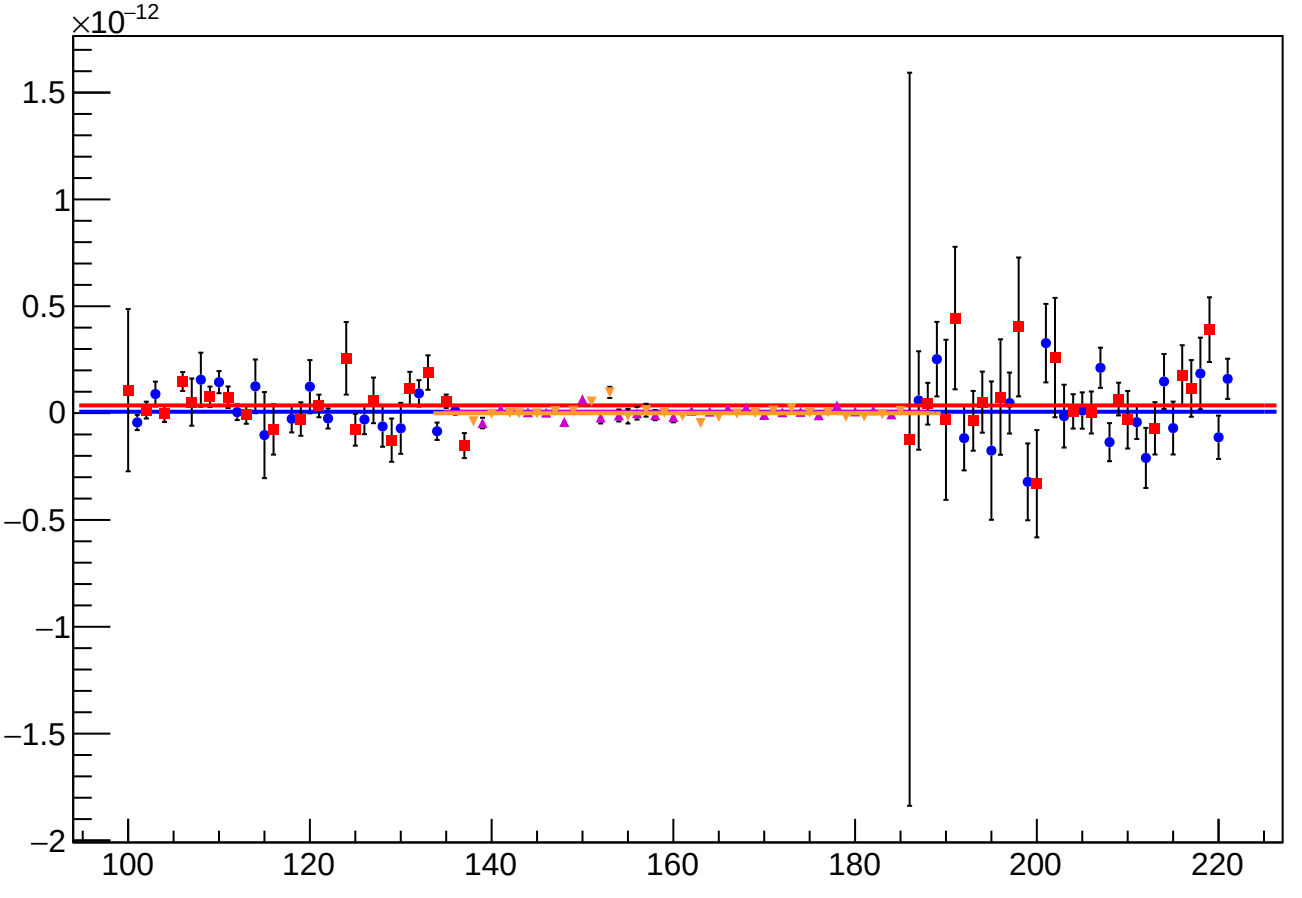
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.728+/-0.005 χ^2/NDF: 11331671.8/70

In: 46.249+/-0.006 χ^2/NDF:7824694.5/56

Out: 45.433+/-0.006 χ^2/NDF:11101959.5/61

All: 45.841+/-0.004 χ^2/NDF: 18937185.4/118



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: 47.7/36

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

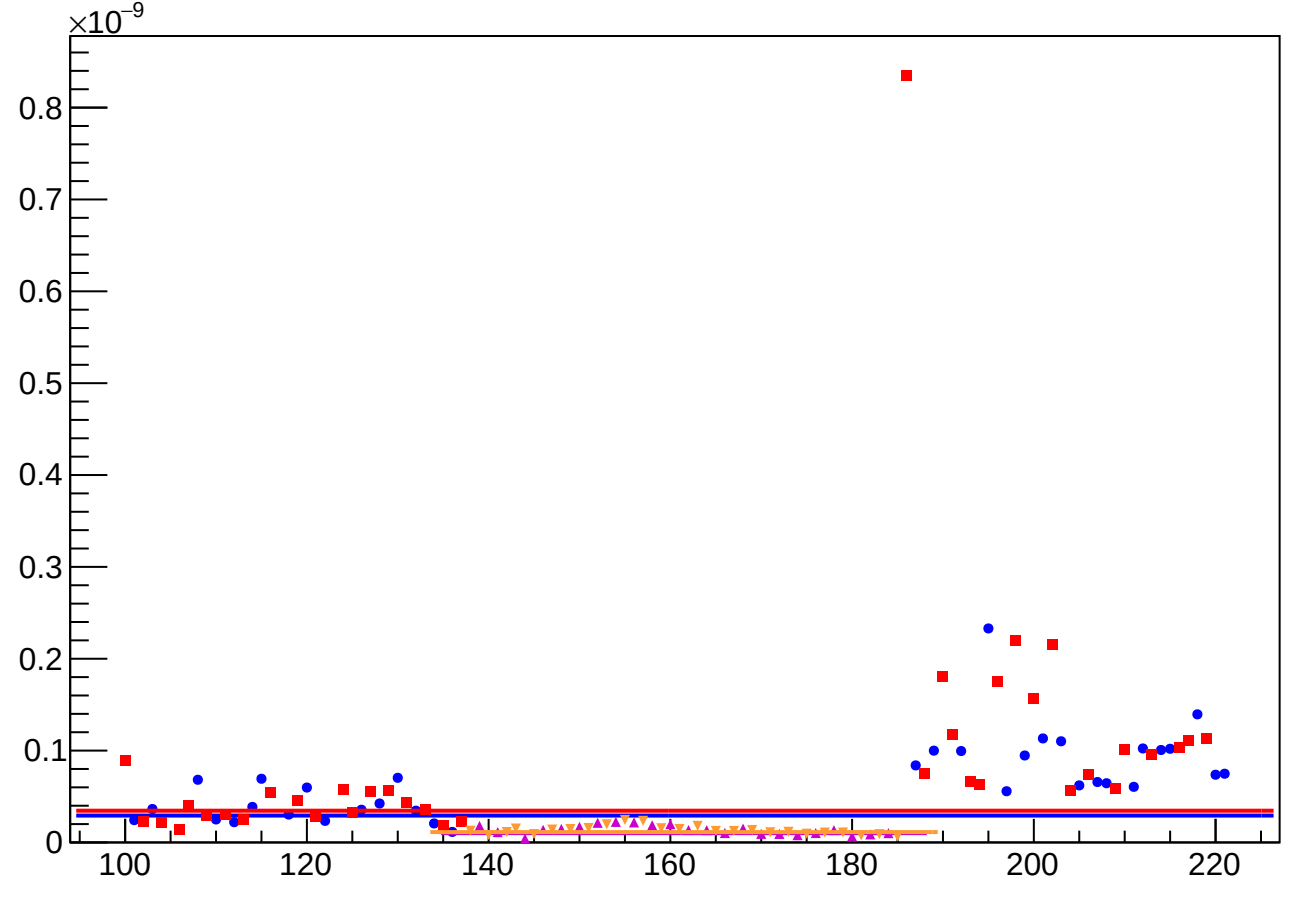
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 101.0/70

In: 0.000+/-0.000 χ^2/NDF:78.4/56

Out: 0.000+/-0.000 χ^2/NDF:93.2/61

All: 0.000+/-0.000 χ^2/NDF: 172.3/118



Right In: 0.000+/-0.000 χ^2/NDF: 10898420.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9231722.2/36

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

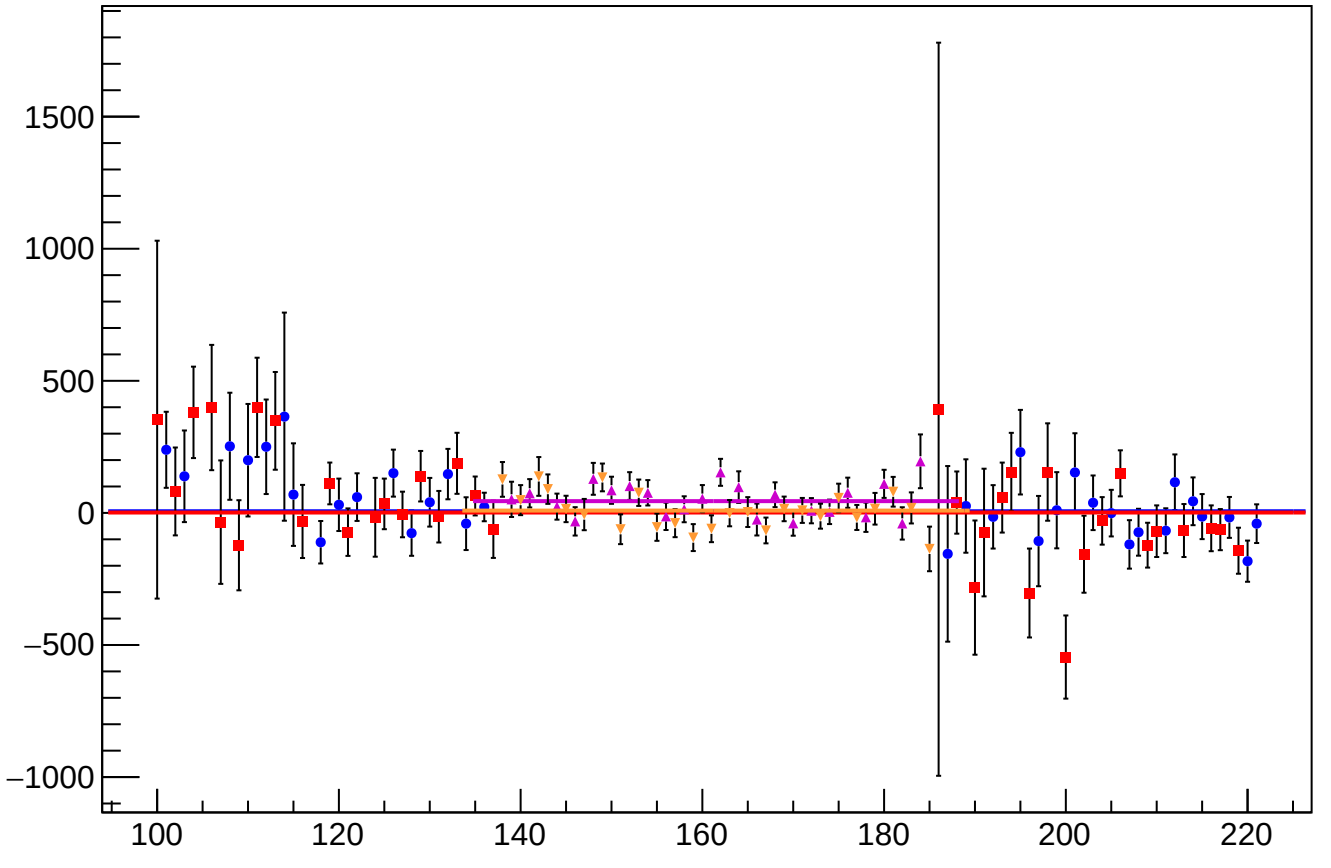
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 20348092.9/70

In: 0.000+/-0.000 χ^2/NDF:20895257.3/56

Out: 0.000+/-0.000 χ^2/NDF:18359216.6/61

All: 0.000+/-0.000 χ^2/NDF: 39395169.9/118



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: 1.447+/-18.998 χ^2/NDF: 55.3/36

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

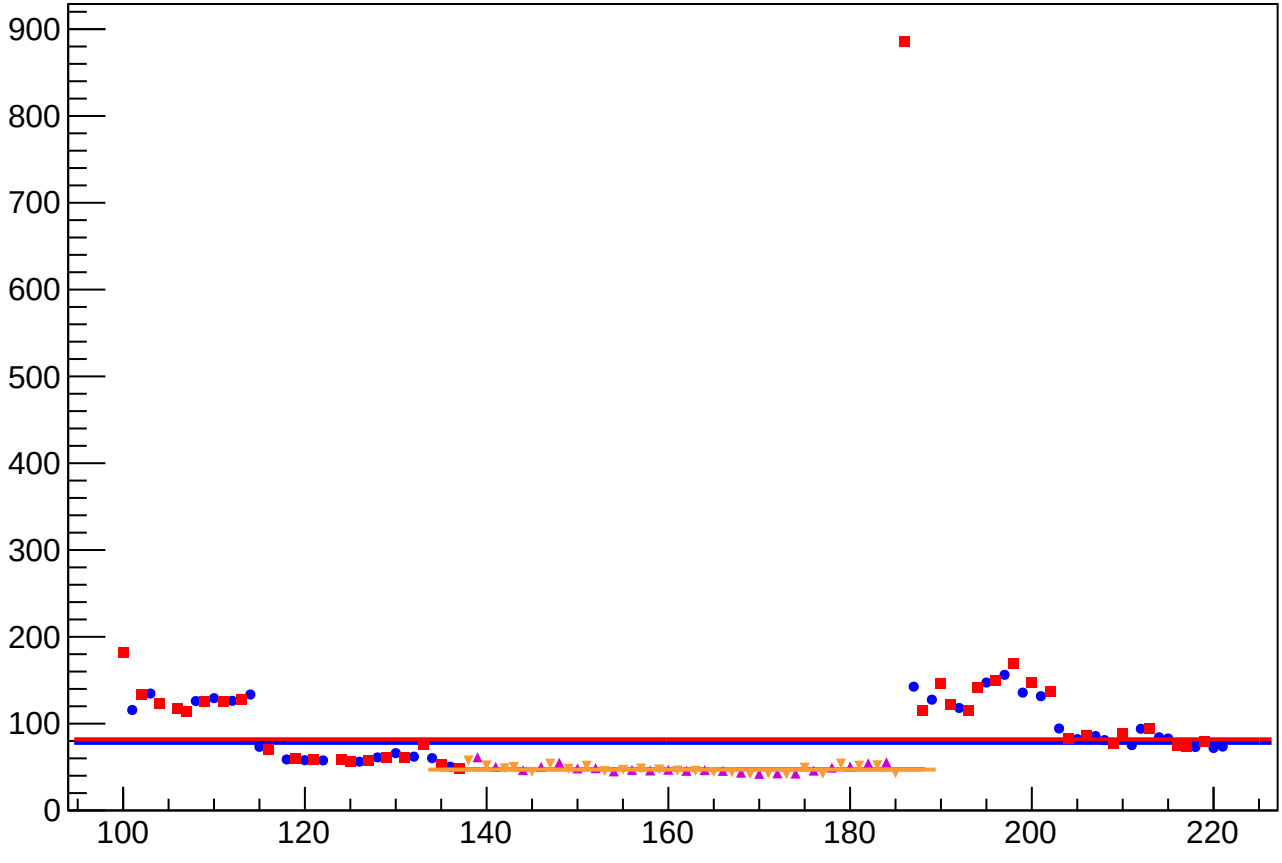
Right: 4.036+/-12.881 χ^2/NDF: 87.2/70

In: 33.507+/-9.407 χ^2/NDF:62.3/56

Out: 6.978+/-9.369 χ^2/NDF:90.0/61

All: 20.189+/-6.638 χ^2/NDF: 156.3/118

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: 81.989+/-0.013 χ^2/NDF: 5072428.3/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

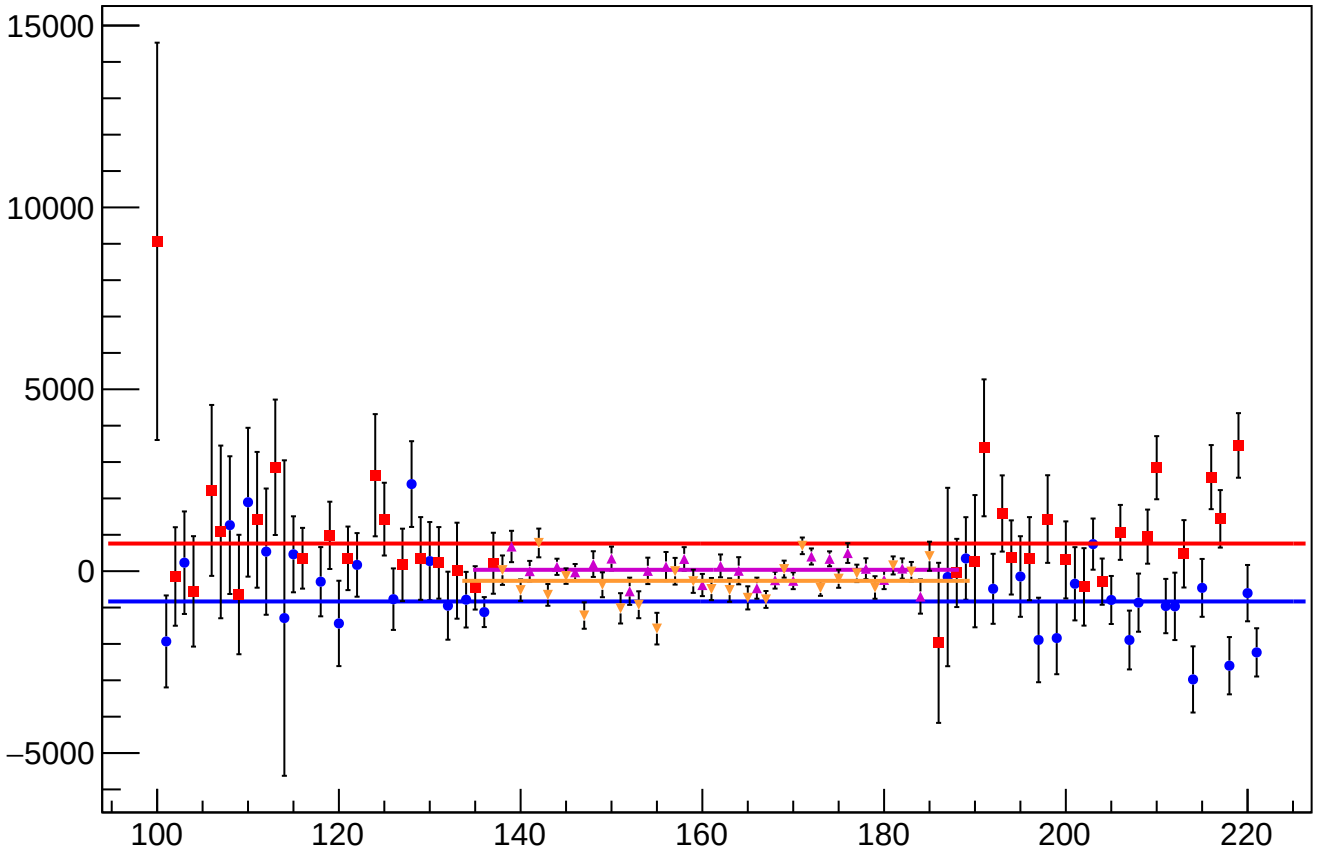
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.759+/-0.009 χ^2/NDF: 9056786.0/70

In: 56.164+/-0.007 χ^2/NDF:8510730.5/56

Out: 55.558+/-0.007 χ^2/NDF:10475397.8/61

All: 55.860+/-0.005 χ^2/NDF: 18990298.6/118



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: 759.249+/-169.195 χ^2/NDF: 44.0/36

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

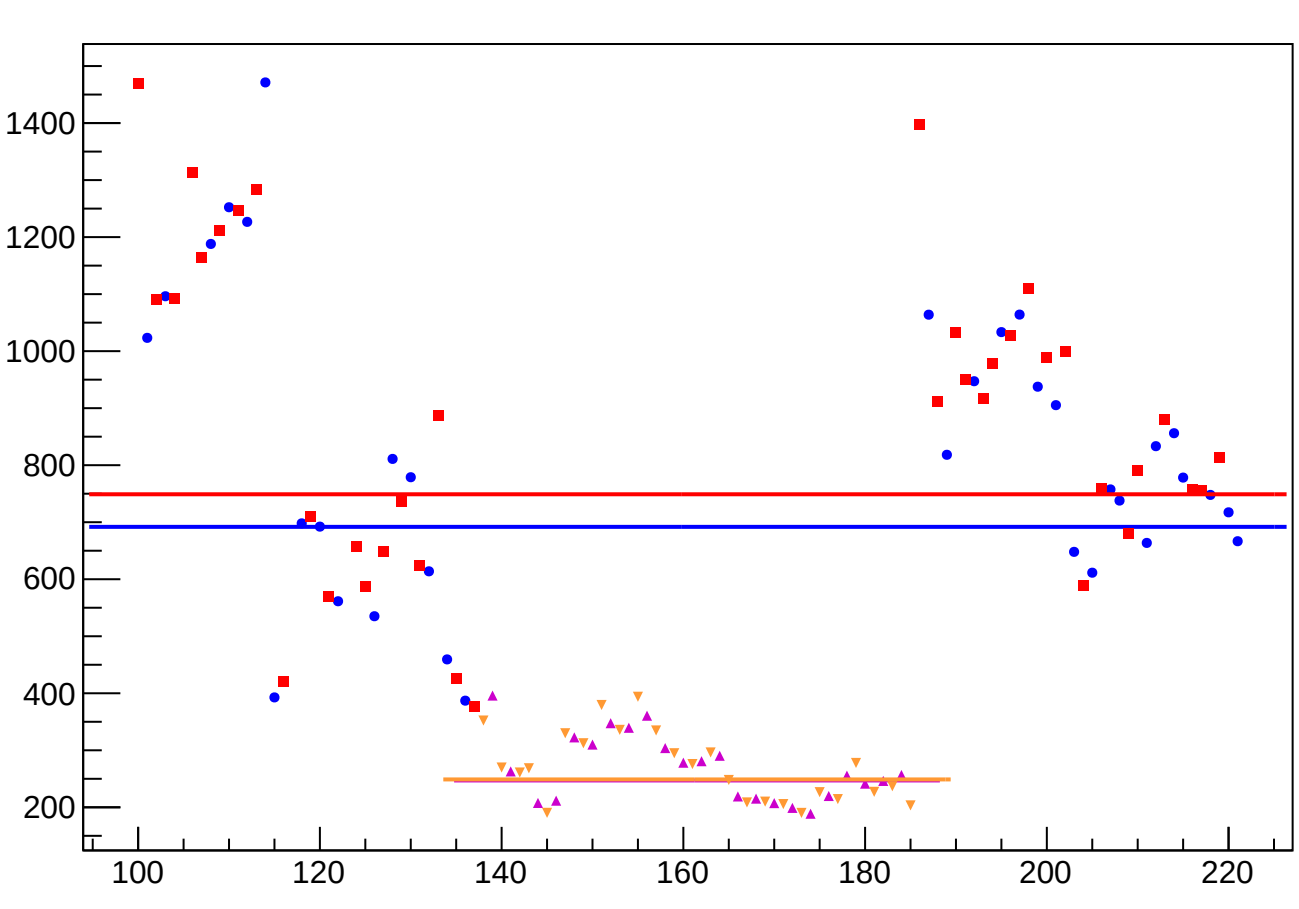
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -110.778+/-113.935 χ^2/NDF: 135.8/70

In: -74.224+/-55.230 χ^2/NDF:97.8/56

Out: -157.803+/-54.892 χ^2/NDF:146.6/61

All: -116.270+/-38.934 χ^2/NDF: 245.6/118



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: 748.997+/-0.120 χ^2/NDF: 3588043.1/36

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

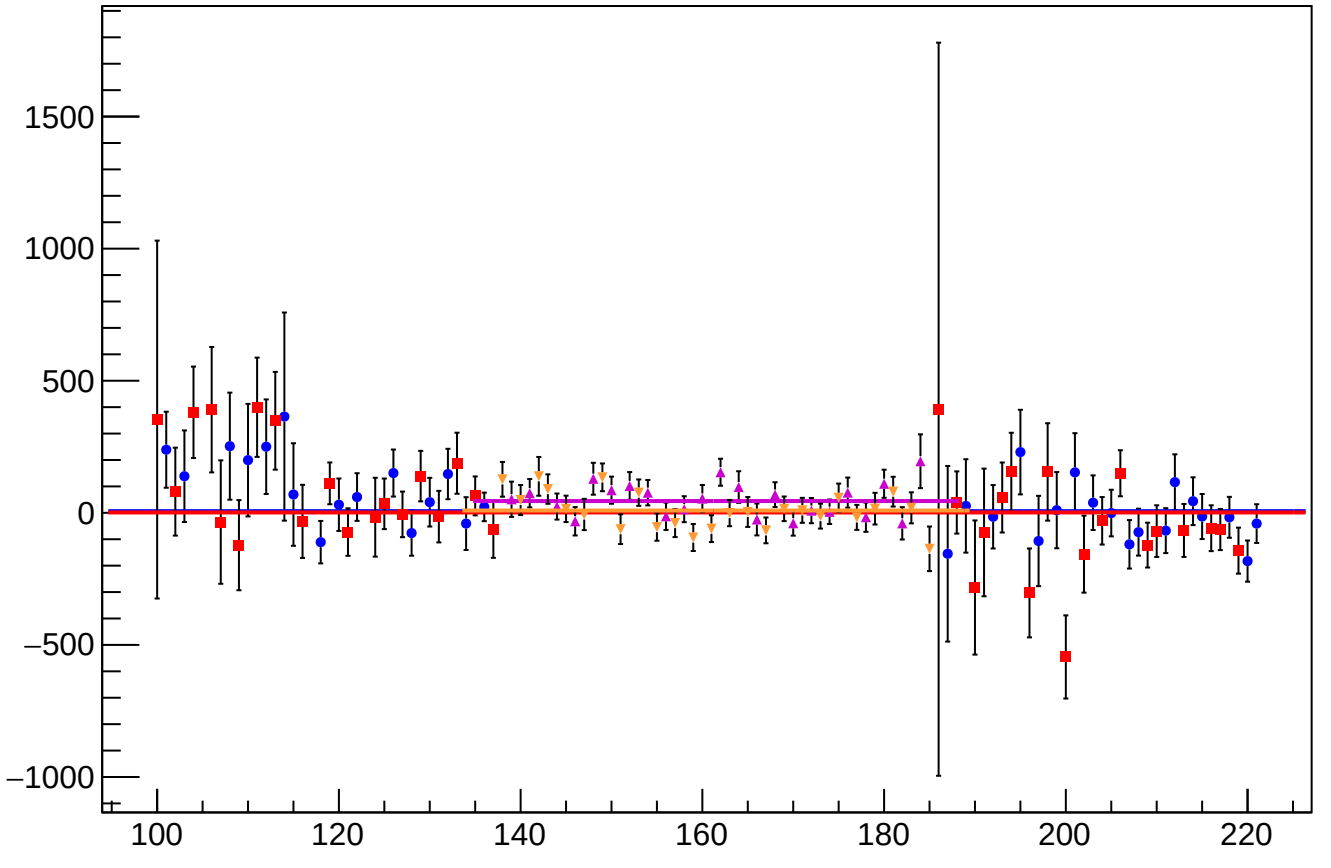
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 717.768+/-0.081 χ^2/NDF: 7190326.4/70

In: 304.228+/-0.039 χ^2/NDF:19478993.1/56

Out: 301.530+/-0.039 χ^2/NDF:20886056.2/61

All: 302.871+/-0.028 χ^2/NDF: 40367450.0/11



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: 1.372+/-18.998 χ^2/NDF: 55.2/36

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

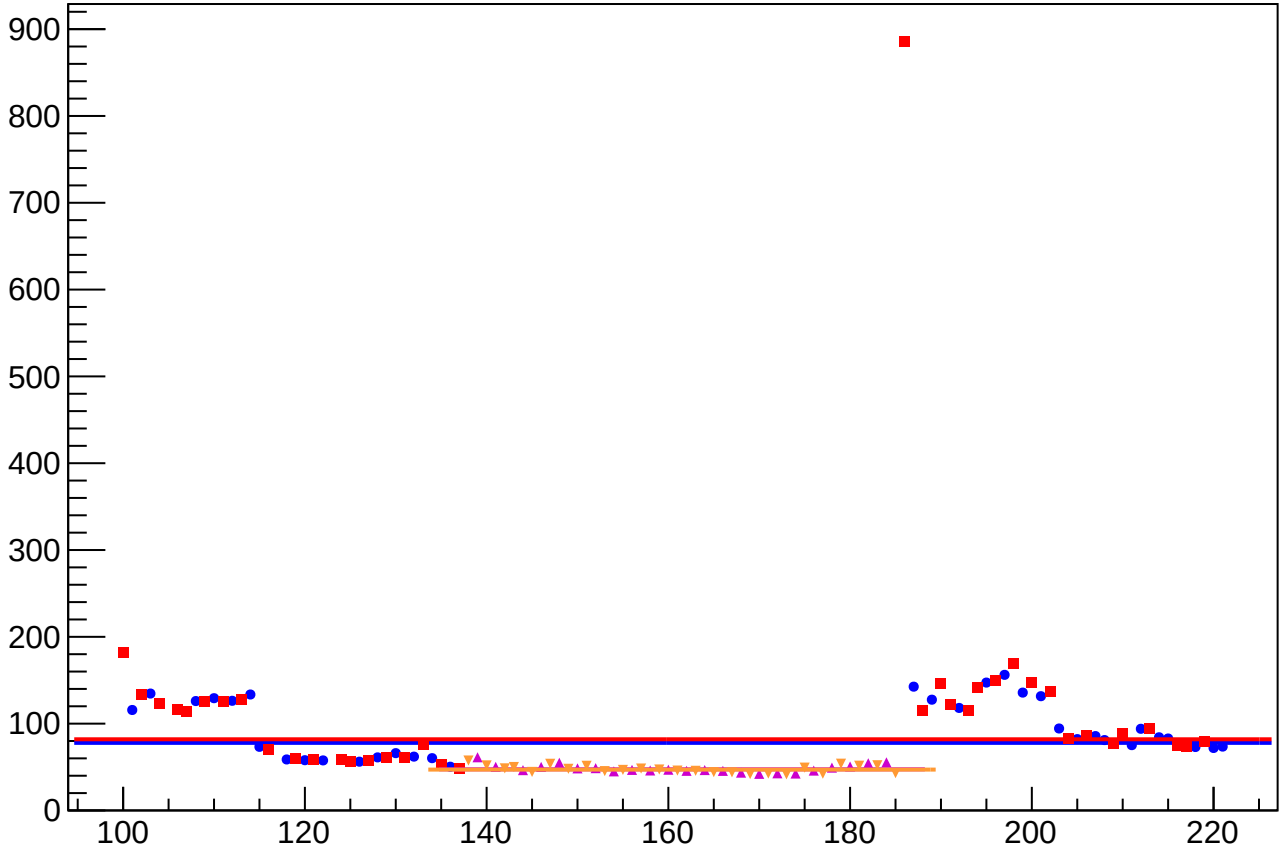
Right: 3.998+/-12.882 χ^2/NDF: 87.1/70

In: 33.504+/-9.407 χ^2/NDF:62.3/56

Out: 6.961+/-9.369 χ^2/NDF:89.9/61

All: 20.180+/-6.638 χ^2/NDF: 156.2/118

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: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

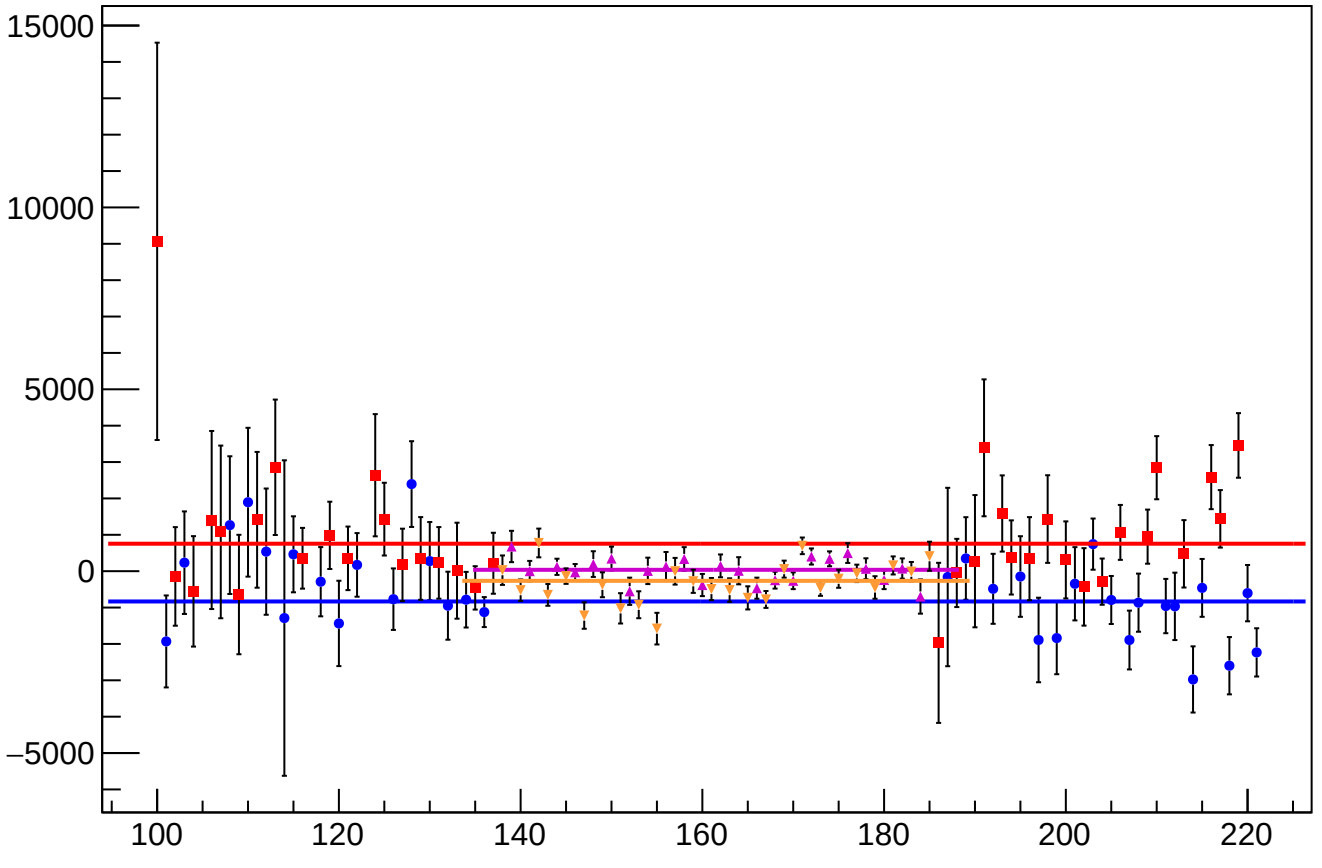
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.756+/-0.009 χ^2/NDF: 9054312.2/70

In: 56.164+/-0.007 χ^2/NDF:8510732.6/56

Out: 55.556+/-0.007 χ^2/NDF:10470984.3/61

All: 55.859+/-0.005 χ^2/NDF: 18985912.6/118



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: 754.821+/-169.231 χ^2/NDF: 43.6/36

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

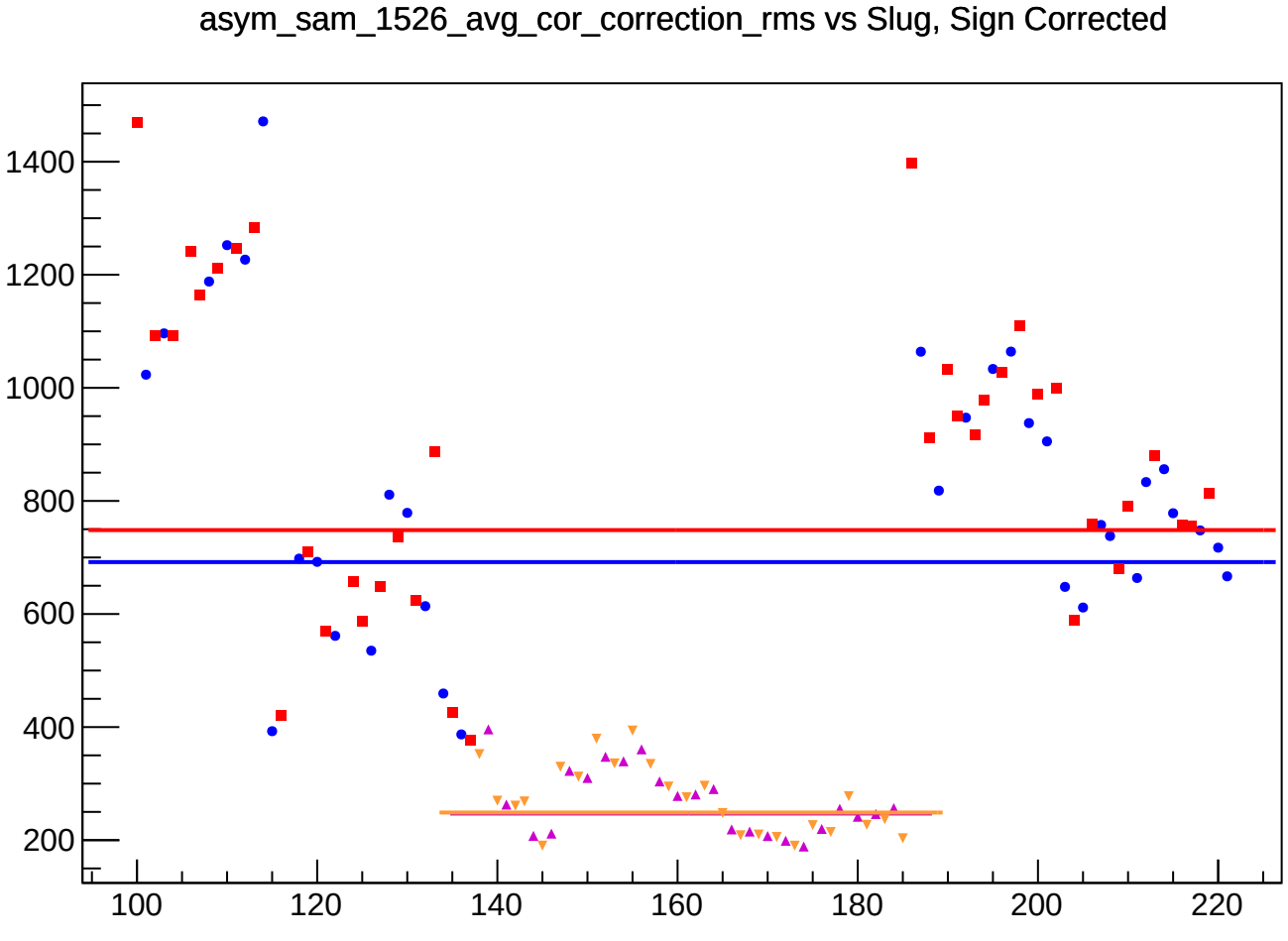
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -112.952+/-113.946 χ^2/NDF: 135.2/70

In: -74.226+/-55.230 χ^2/NDF:97.8/56

Out: -158.308+/-54.893 χ^2/NDF:146.0/61

All: -116.524+/-38.934 χ^2/NDF: 245.0/118



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: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

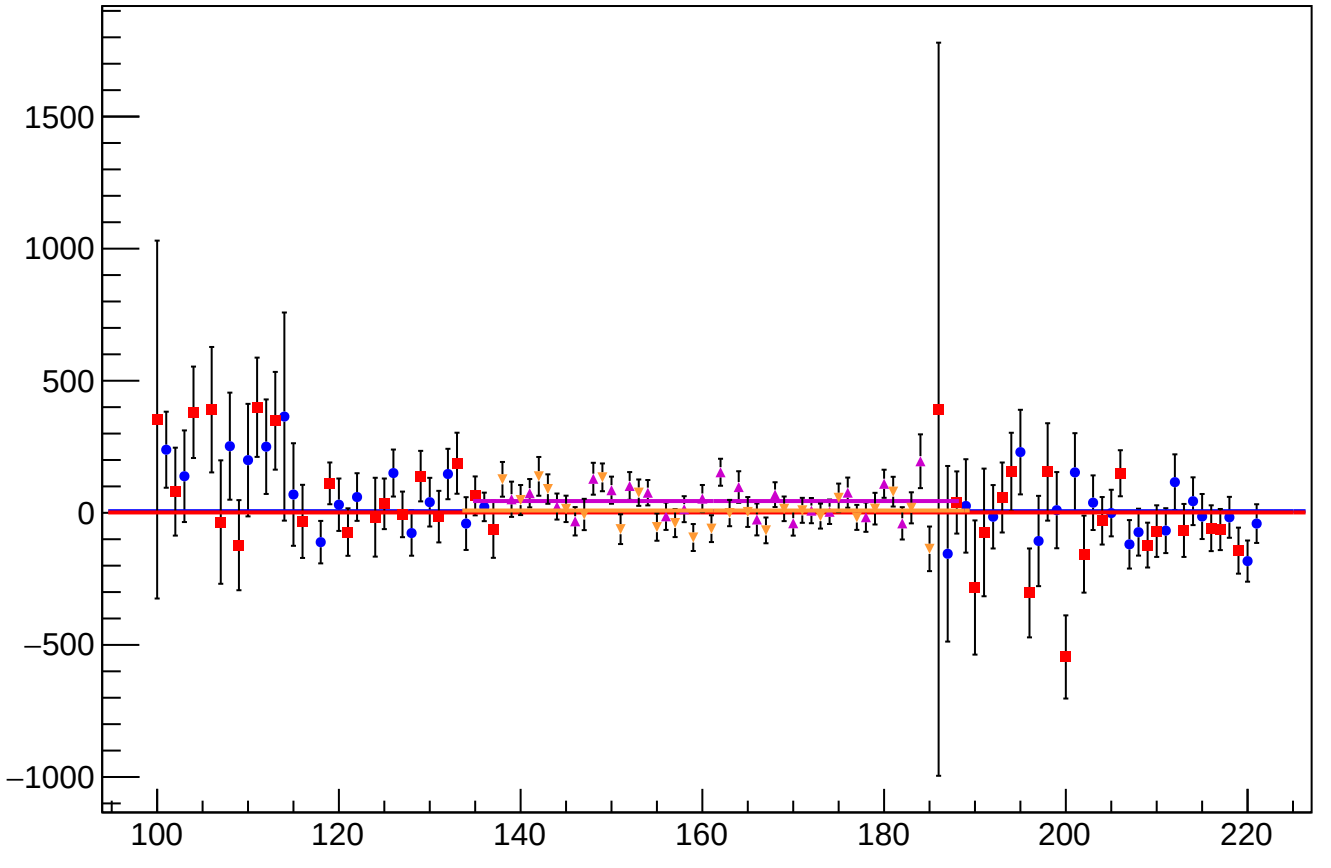
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 717.504+/-0.081 χ^2/NDF: 7153806.4/70

In: 304.228+/-0.039 χ^2/NDF:19479007.4/56

Out: 301.450+/-0.039 χ^2/NDF:20810439.2/61

All: 302.830+/-0.028 χ^2/NDF: 40291992.5/11



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: 1.372+/-18.998 χ^2/NDF: 55.2/36

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

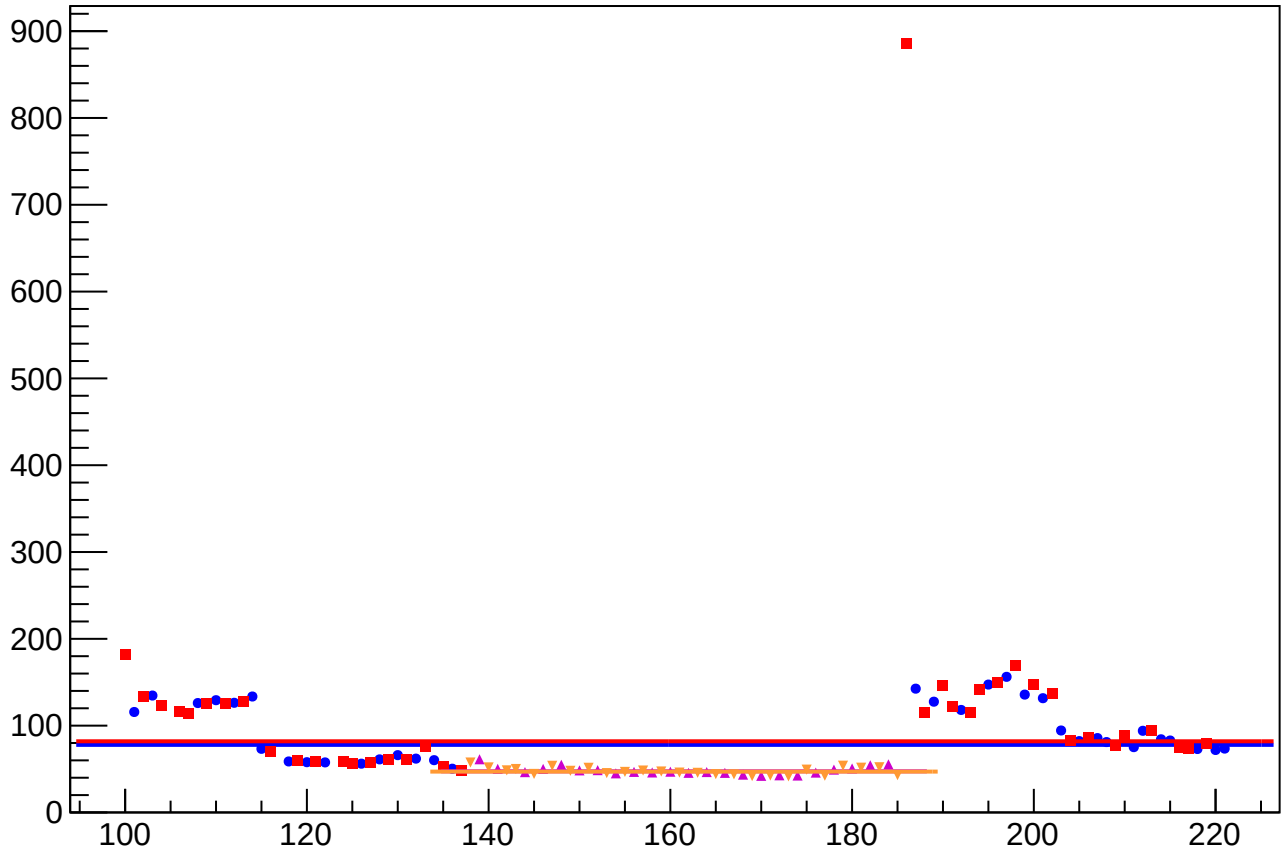
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 3.998+/-12.882 χ^2/NDF: 87.1/70

In: 33.504+/-9.407 χ^2/NDF:62.3/56

Out: 6.961+/-9.369 χ^2/NDF:89.9/61

All: 20.180+/-6.638 χ^2/NDF: 156.2/118



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: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

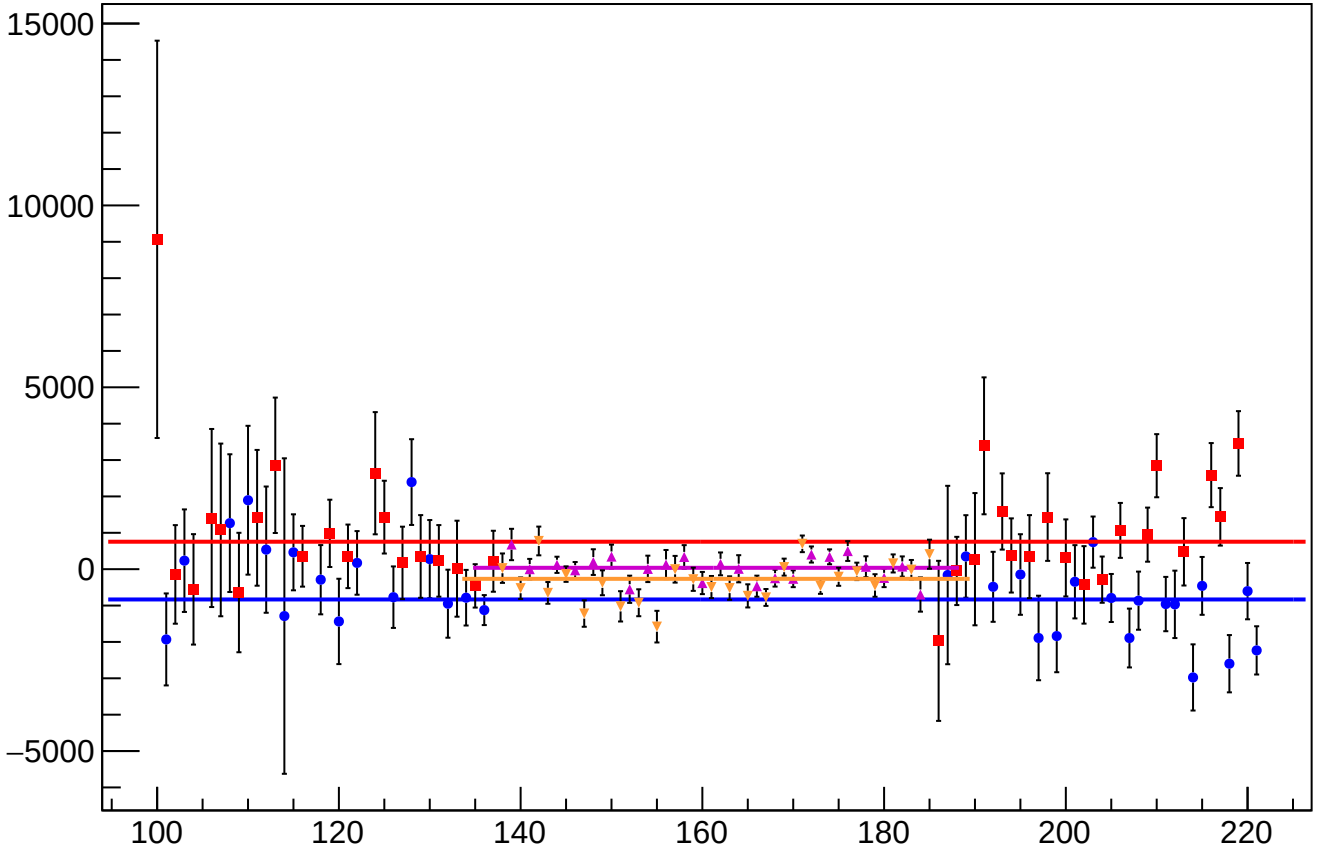
Right: 79.756+/-0.009 χ^2/NDF: 9054312.2/70

In: 56.164+/-0.007 χ^2/NDF:8510732.6/56

Out: 55.556+/-0.007 χ^2/NDF:10470984.3/61

All: 55.859+/-0.005 χ^2/NDF: 18985912.6/118

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: 754.821+/-169.231 χ^2/NDF: 43.6/36

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

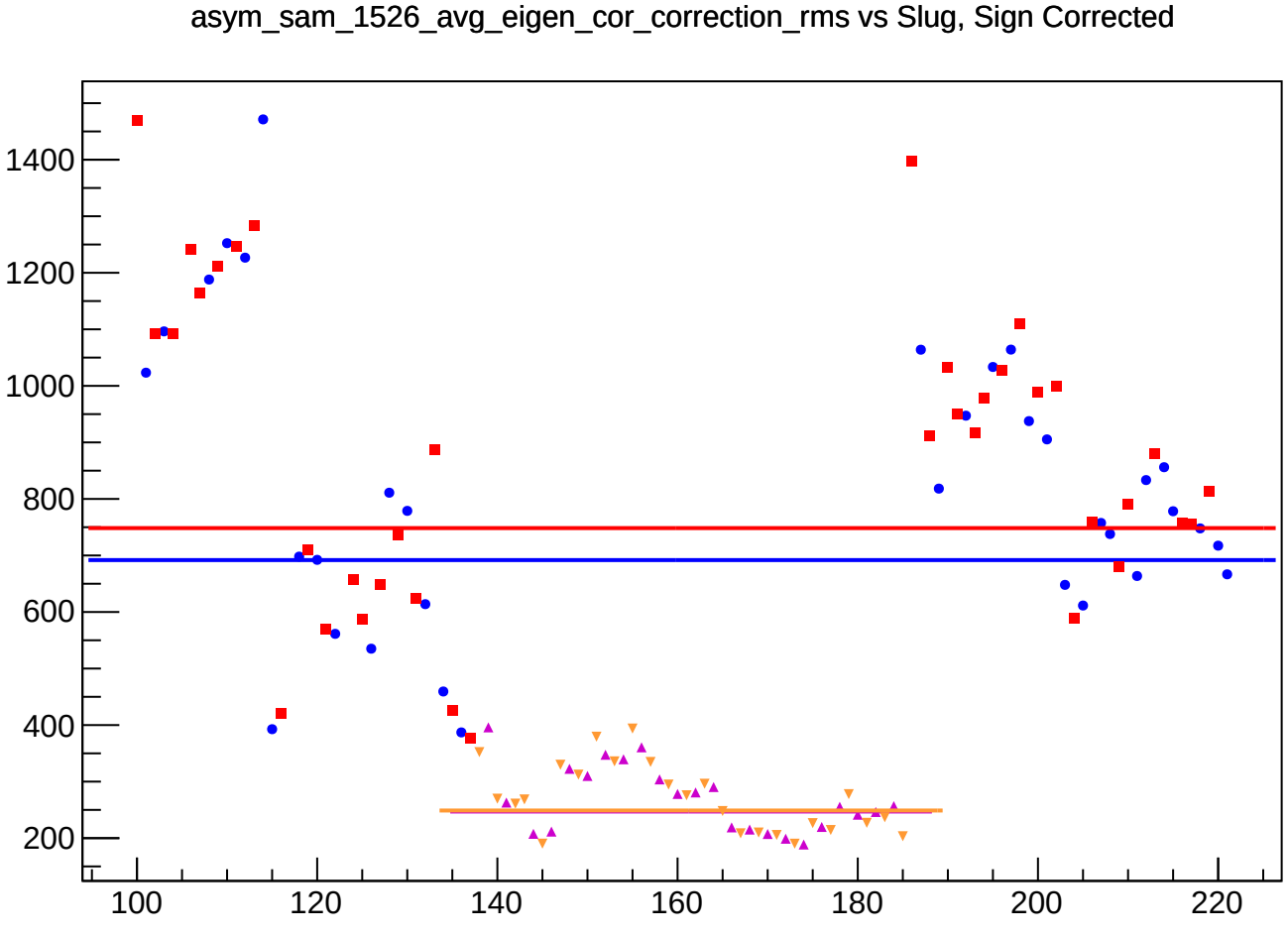
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -112.952+/-113.946 χ^2/NDF: 135.2/70

In: -74.226+/-55.230 χ^2/NDF:97.8/56

Out: -158.308+/-54.893 χ^2/NDF:146.0/61

All: -116.524+/-38.934 χ^2/NDF: 245.0/118



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: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

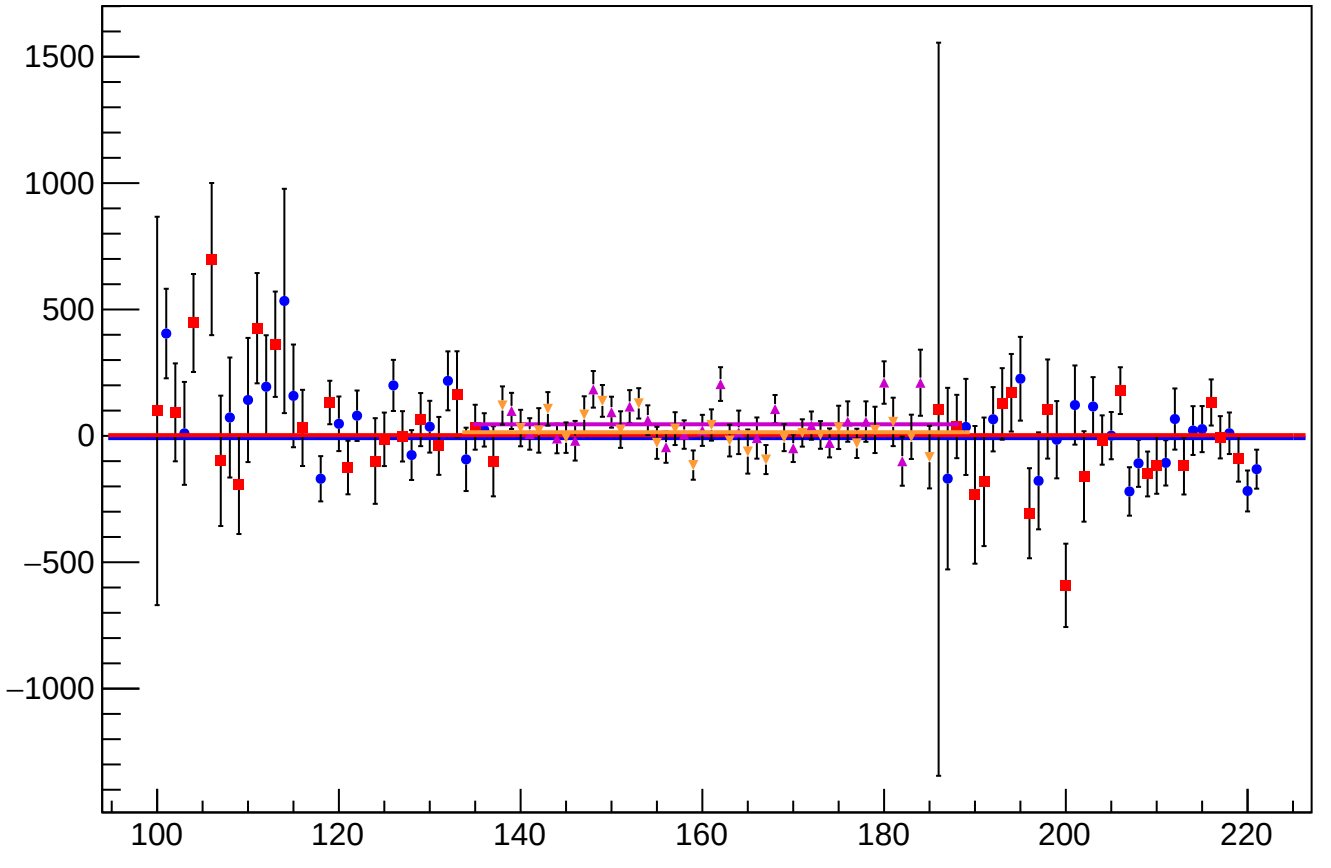
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 717.504+/-0.081 χ^2/NDF: 7153806.4/70

In: 304.228+/-0.039 χ^2/NDF:19479007.4/56

Out: 301.450+/-0.039 χ^2/NDF:20810439.2/61

All: 302.830+/-0.028 χ^2/NDF: 40291992.5/11



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: 2.903+/-21.213 χ^2/NDF: 57.3/36

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

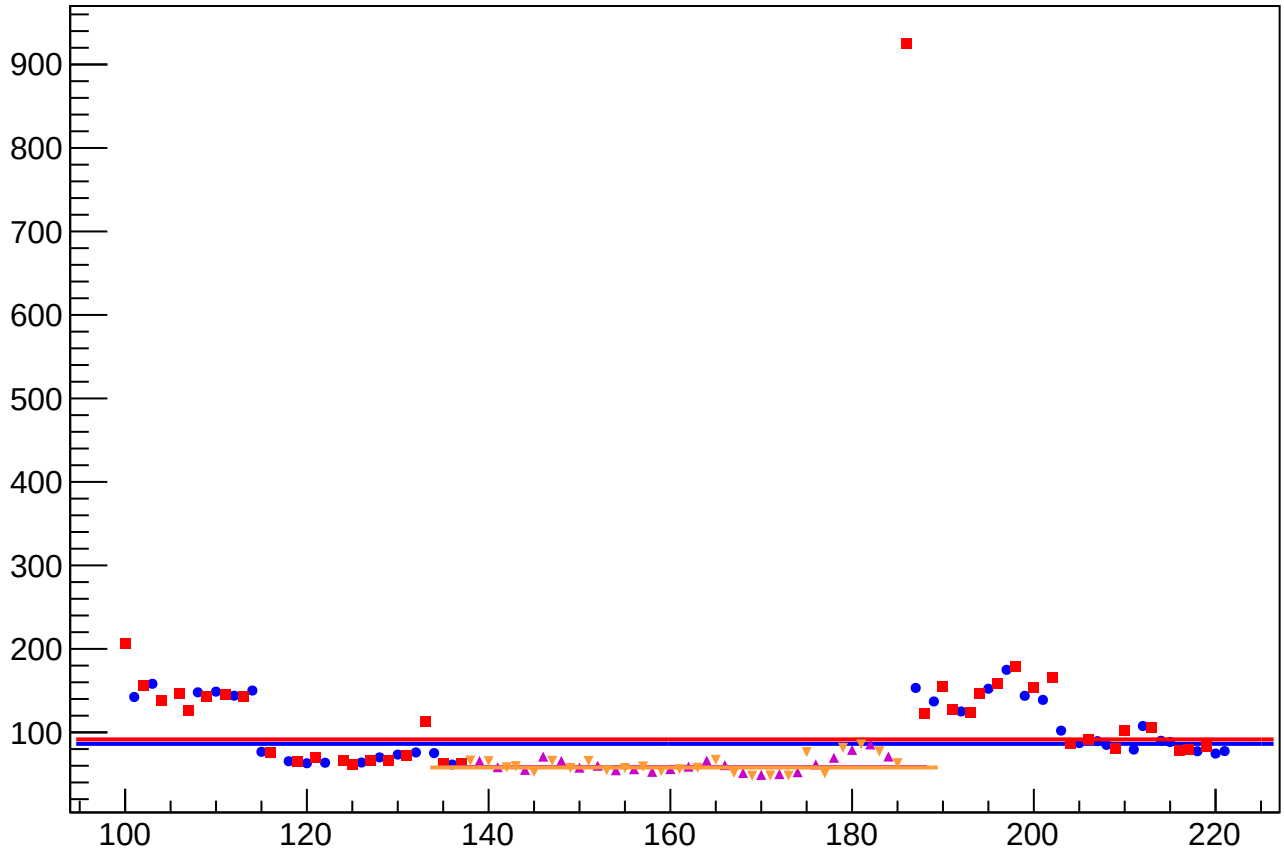
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: -3.552+/-14.306 χ^2/NDF: 102.6/70

In: 27.150+/-11.311 χ^2/NDF:81.1/56

Out: 11.172+/-11.362 χ^2/NDF:82.0/61

All: 19.197+/-8.016 χ^2/NDF: 164.1/118



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: 91.596+/-0.015 χ^2/NDF: 4757846.4/36

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

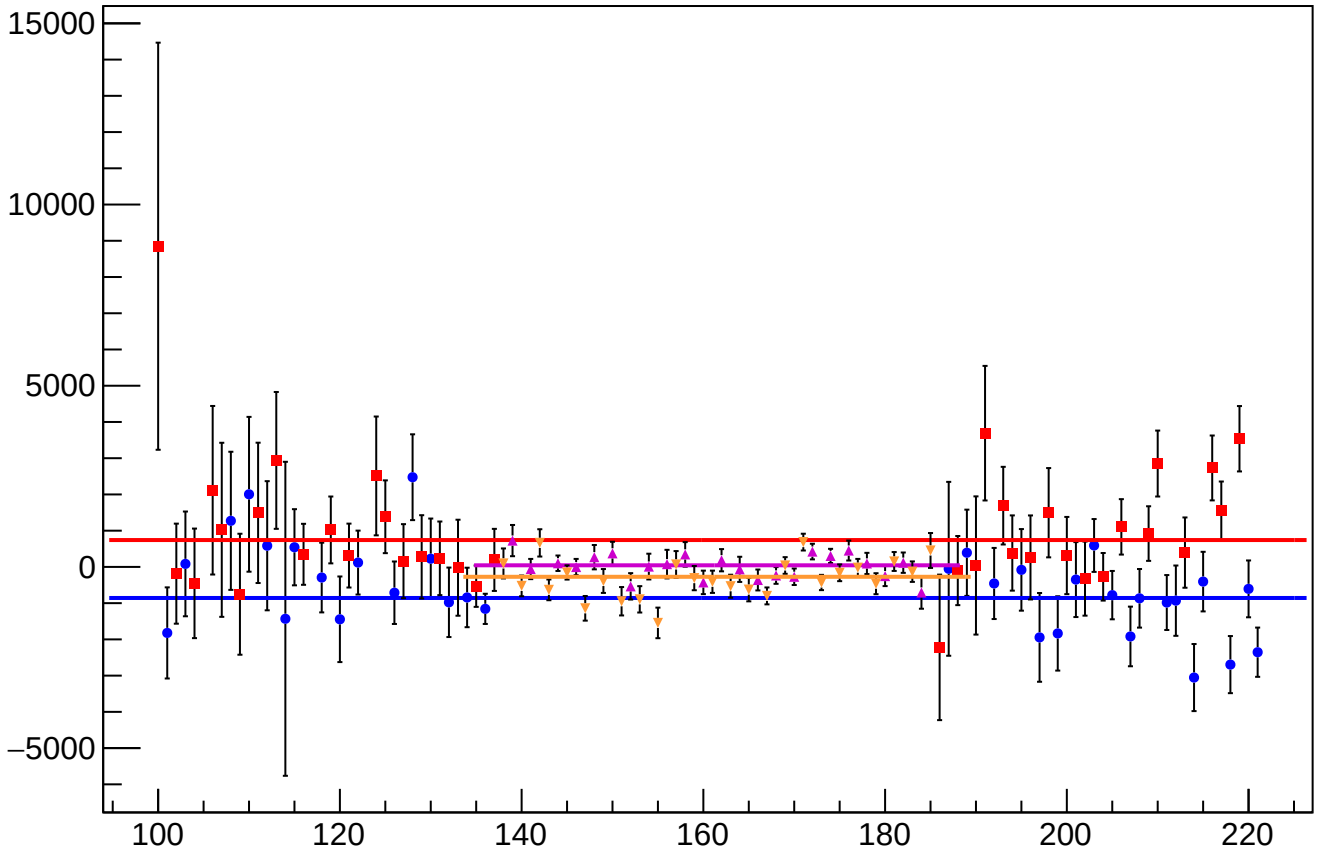
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 88.681+/-0.010 χ^2/NDF: 8408979.5/70

In: 67.943+/-0.008 χ^2/NDF:6939999.0/56

Out: 67.613+/-0.008 χ^2/NDF:9239584.1/61

All: 67.778+/-0.006 χ^2/NDF: 16180428.7/118



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: 741.427+/-171.008 χ^2/NDF: 46.4/36

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

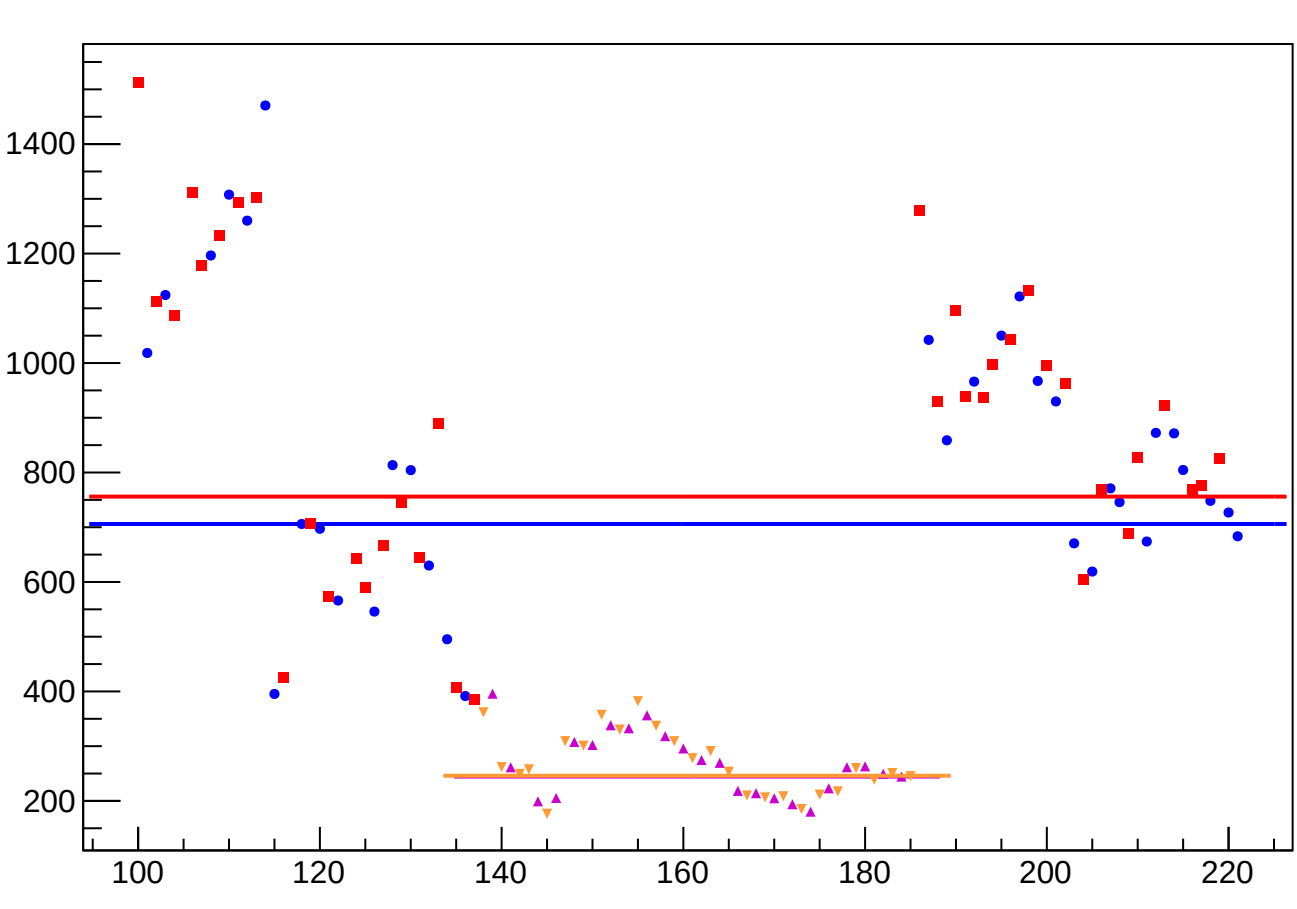
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -124.488+/-115.770 χ^2/NDF: 137.3/70

In: -65.384+/-54.925 χ^2/NDF:98.9/56

Out: -170.249+/-54.309 χ^2/NDF:143.8/61

All: -118.408+/-38.618 χ^2/NDF: 244.5/118



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: 755.980+/-0.121 χ^2/NDF: 3722352.2/36

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

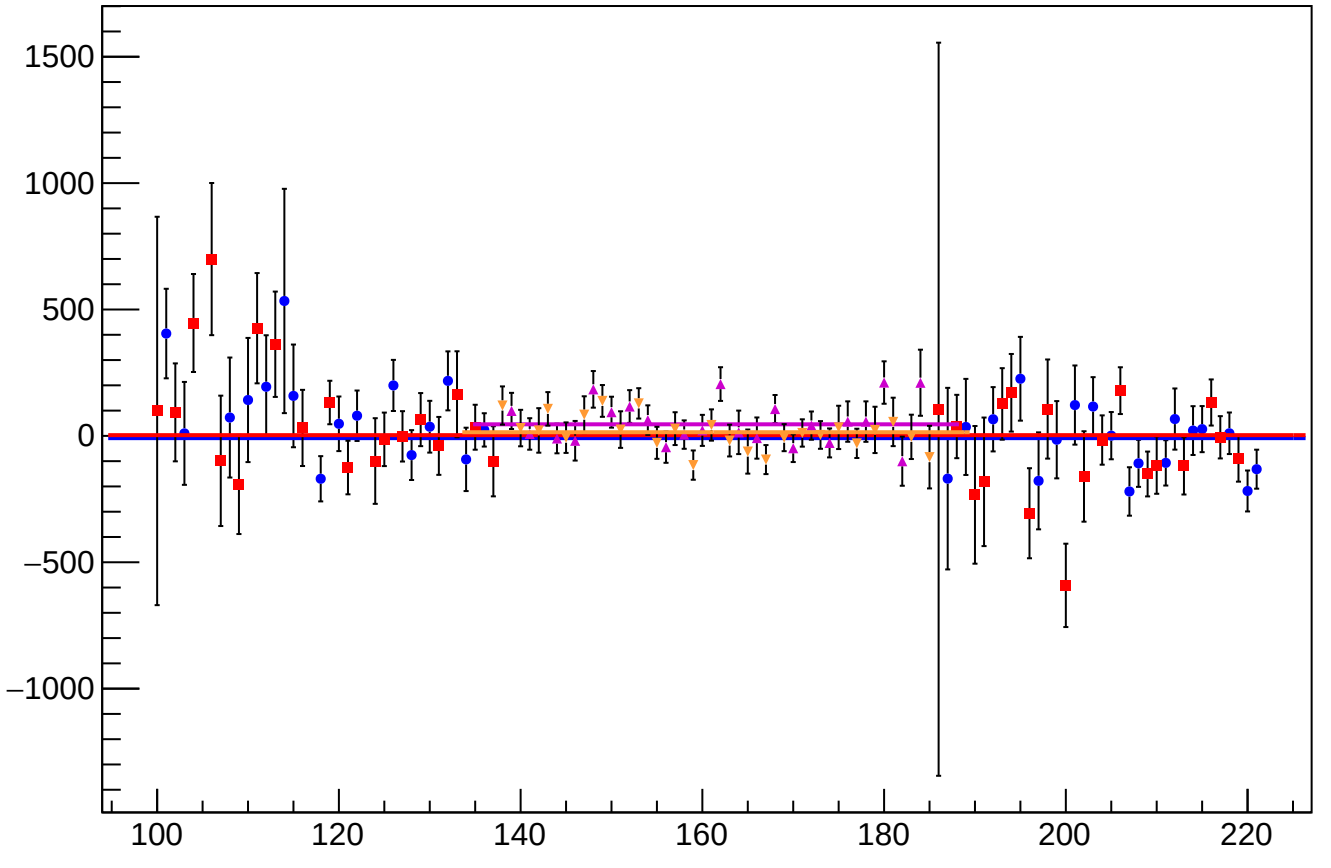
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 728.872+/-0.082 χ^2/NDF: 7337335.4/70

In: 300.718+/-0.039 χ^2/NDF:20235549.0/56

Out: 297.451+/-0.038 χ^2/NDF:21394904.7/61

All: 299.066+/-0.027 χ^2/NDF: 41634032.9/11



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: 2.902+/-21.213 χ^2/NDF: 57.3/36

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

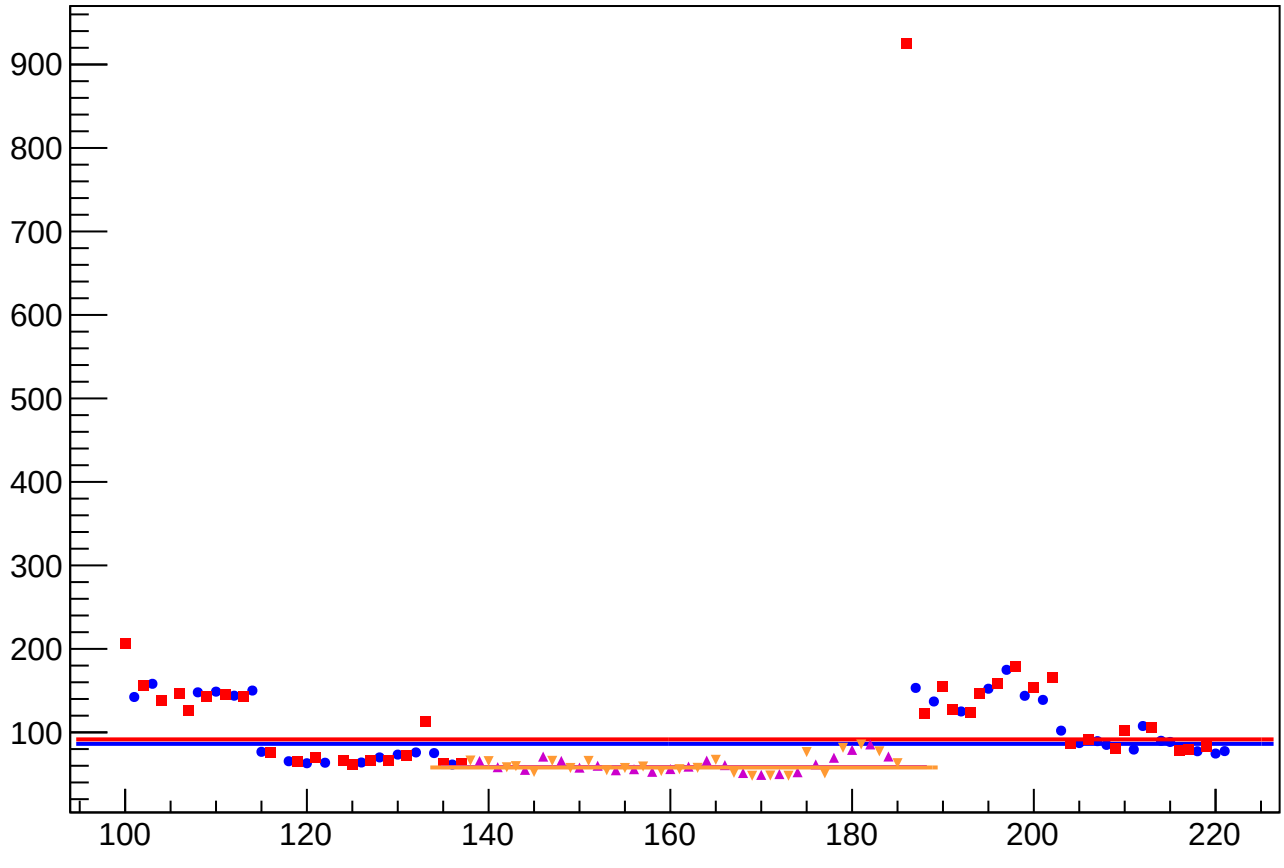
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: -3.552+/-14.306 χ^2/NDF: 102.6/70

In: 27.150+/-11.311 χ^2/NDF:81.1/56

Out: 11.171+/-11.362 χ^2/NDF:82.0/61

All: 19.197+/-8.016 χ^2/NDF: 164.1/118



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: 91.596+/-0.015 χ^2/NDF: 4757860.3/36

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

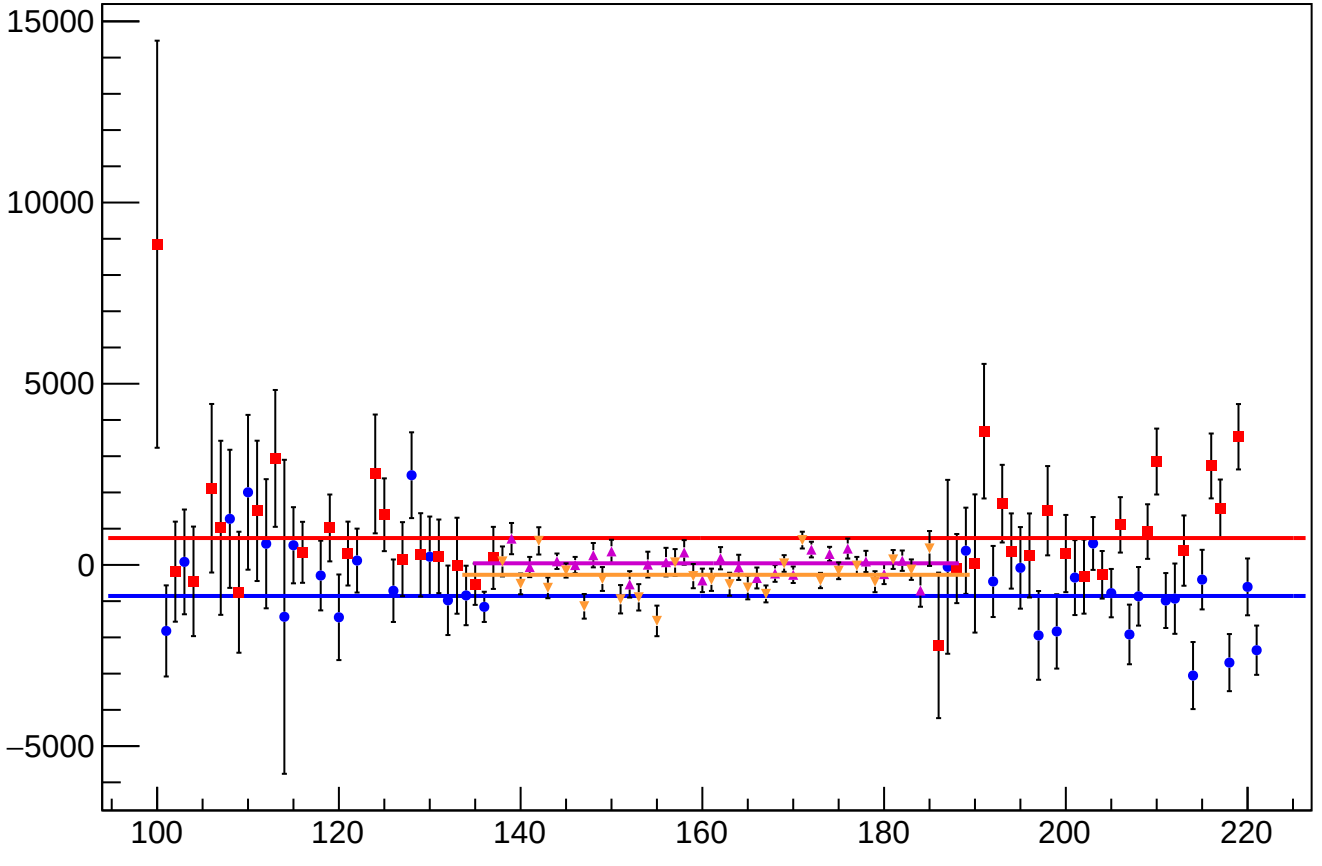
Right: 88.681+/-0.010 χ^2/NDF: 8408998.7/70

In: 67.943+/-0.008 χ^2/NDF:6939918.9/56

Out: 67.613+/-0.008 χ^2/NDF:9239535.5/61

All: 67.779+/-0.006 χ^2/NDF: 16180300.2/118

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: 741.427+/-171.008 χ^2/NDF: 46.4/36

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

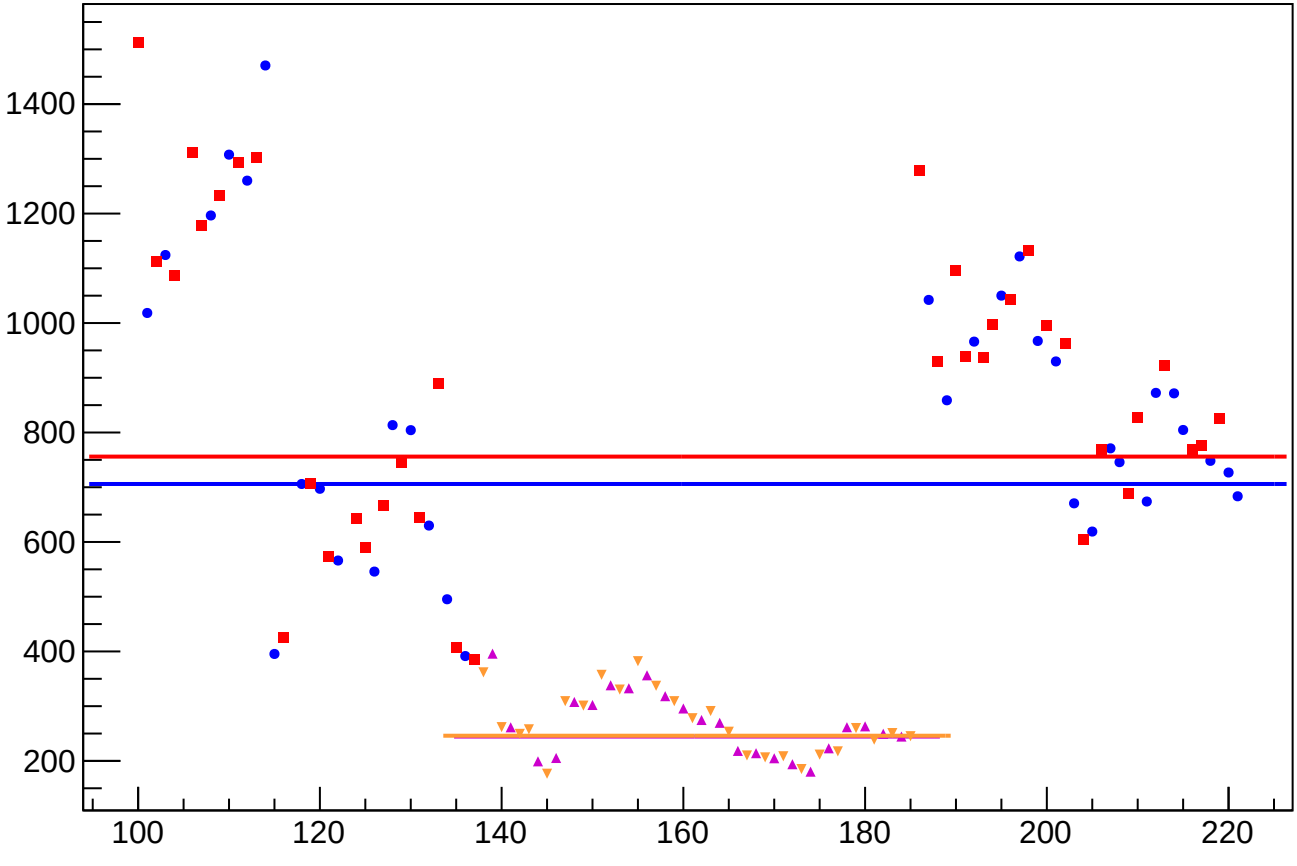
Right: -124.488+/-115.769 χ^2/NDF: 137.3/70

In: -65.384+/-54.925 χ^2/NDF:98.9/56

Out: -170.249+/-54.309 χ^2/NDF:143.8/61

All: -118.408+/-38.618 χ^2/NDF: 244.5/118

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 755.979+/-0.121 χ^2/NDF: 3722331.0/36

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

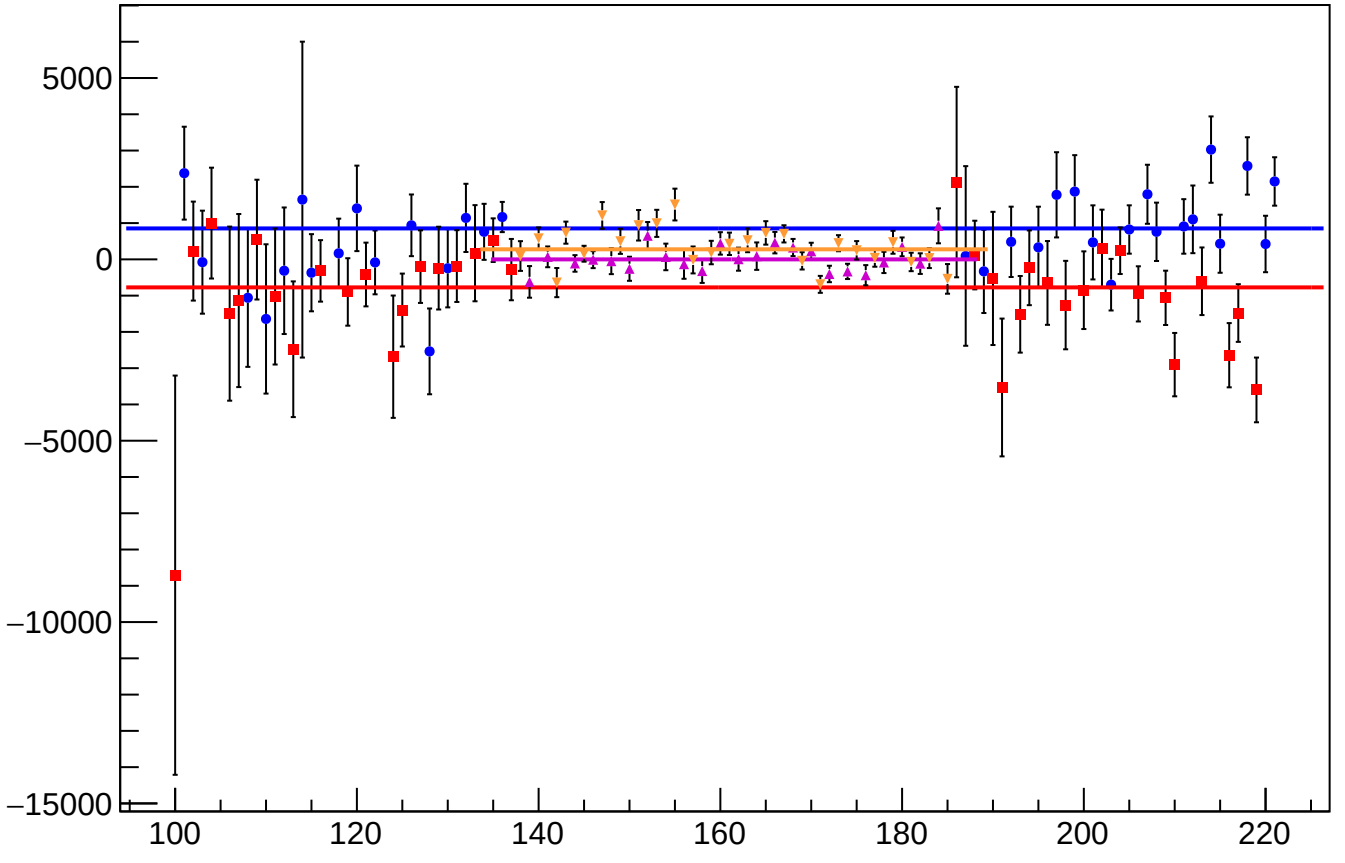
Right: 728.872+/-0.082 χ^2/NDF: 7337298.0/70

In: 300.718+/-0.039 χ^2/NDF:20235534.0/56

Out: 297.450+/-0.038 χ^2/NDF:21394917.3/61

All: 299.066+/-0.027 χ^2/NDF: 41634031.0/11

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: -772.683+/-170.644 χ^2/NDF: 44.2/36

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

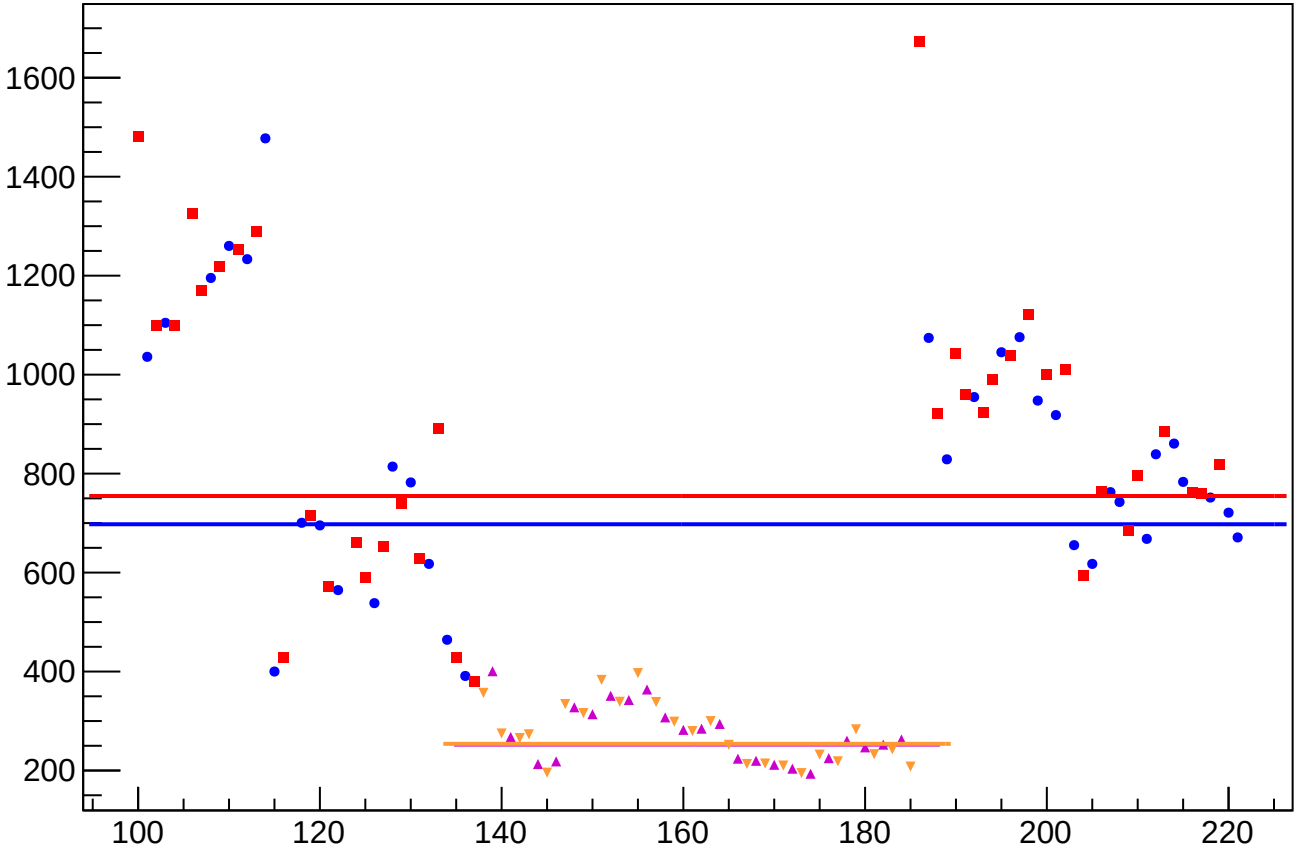
Right: 116.146+/-114.886 χ^2/NDF: 136.0/70

In: 111.360+/-56.261 χ^2/NDF:96.5/56

Out: 164.481+/-55.887 χ^2/NDF:142.1/61

All: 138.098+/-39.649 χ^2/NDF: 239.1/118

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: 754.713+/-0.121 χ^2/NDF: 3654276.0/36

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

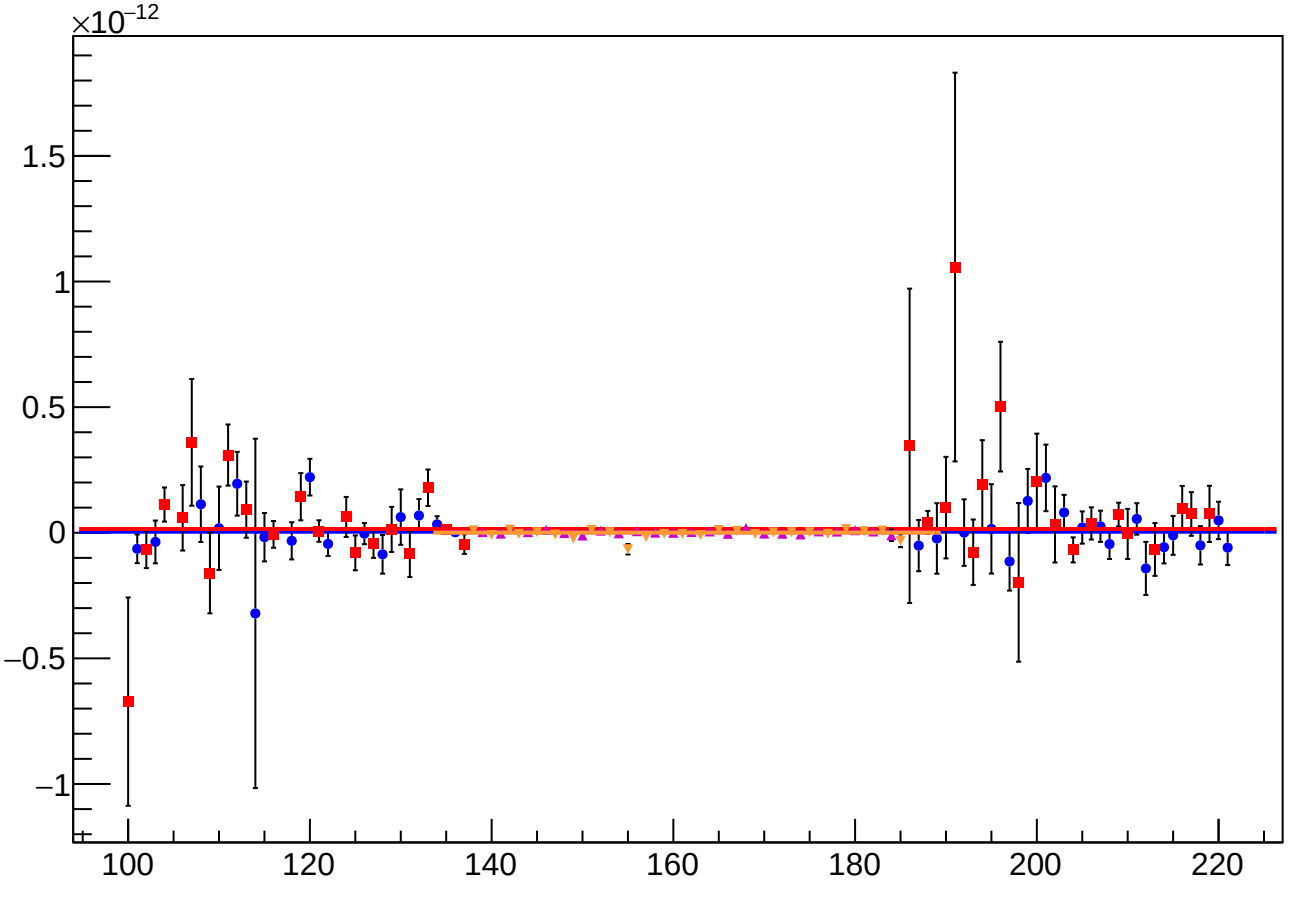
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 723.524+/-0.081 χ^2/NDF: 7237791.0/70

In: 310.771+/-0.040 χ^2/NDF:19145671.8/56

Out: 307.664+/-0.040 χ^2/NDF:20620700.5/61

All: 309.207+/-0.028 χ^2/NDF: 39769442.6/1



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: 45.4/36

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

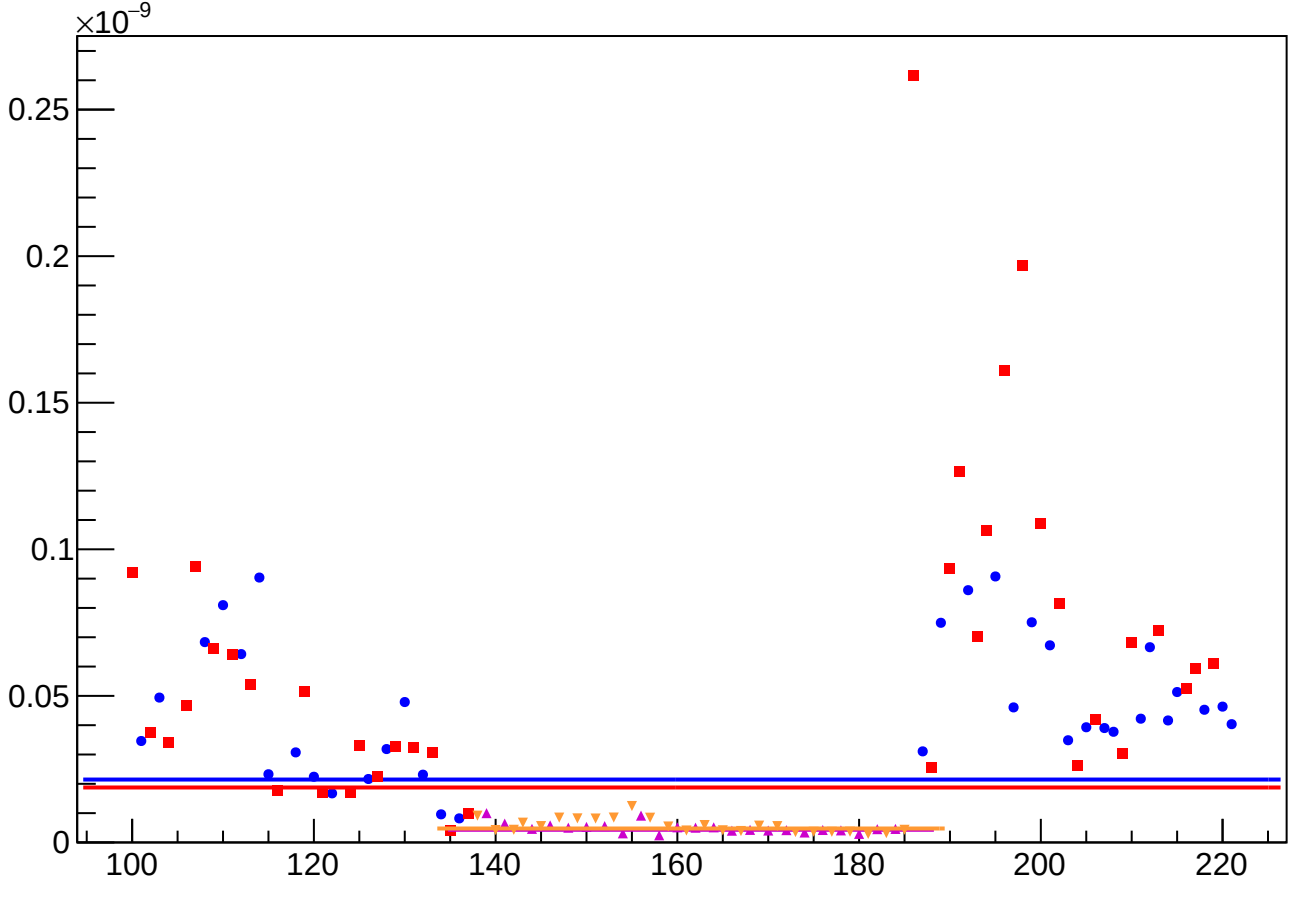
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 76.6/70

In: 0.000+/-0.000 χ^2/NDF:44.5/56

Out: 0.000+/-0.000 χ^2/NDF:74.6/61

All: 0.000+/-0.000 χ^2/NDF: 119.2/118



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: 10164027.8/36

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

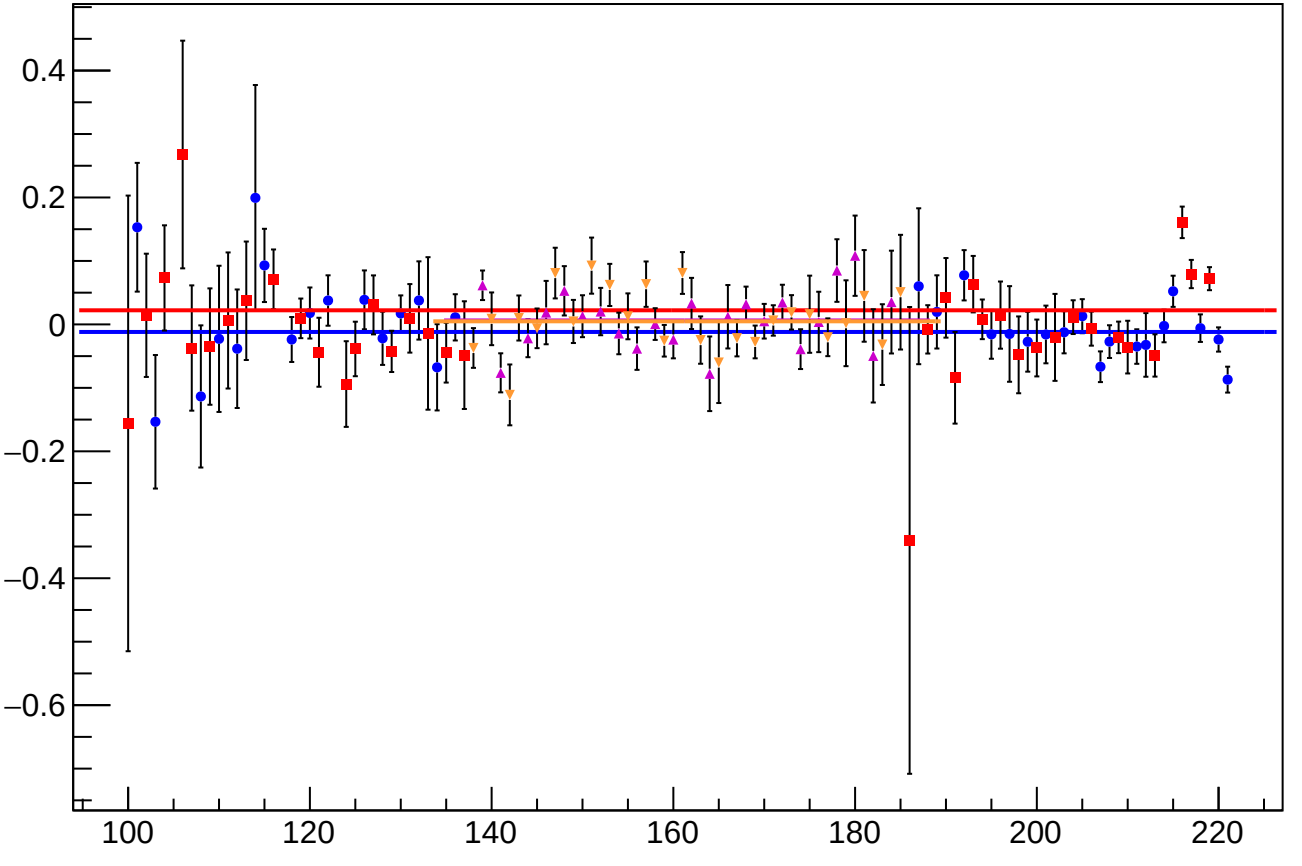
Right: 0.000+/-0.000 χ^2/NDF: 17637309.0/70

In: 0.000+/-0.000 χ^2/NDF:15010400.9/56

Out: 0.000+/-0.000 χ^2/NDF:16031885.3/61

All: 0.000+/-0.000 χ^2/NDF: 31072662.3/118

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: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

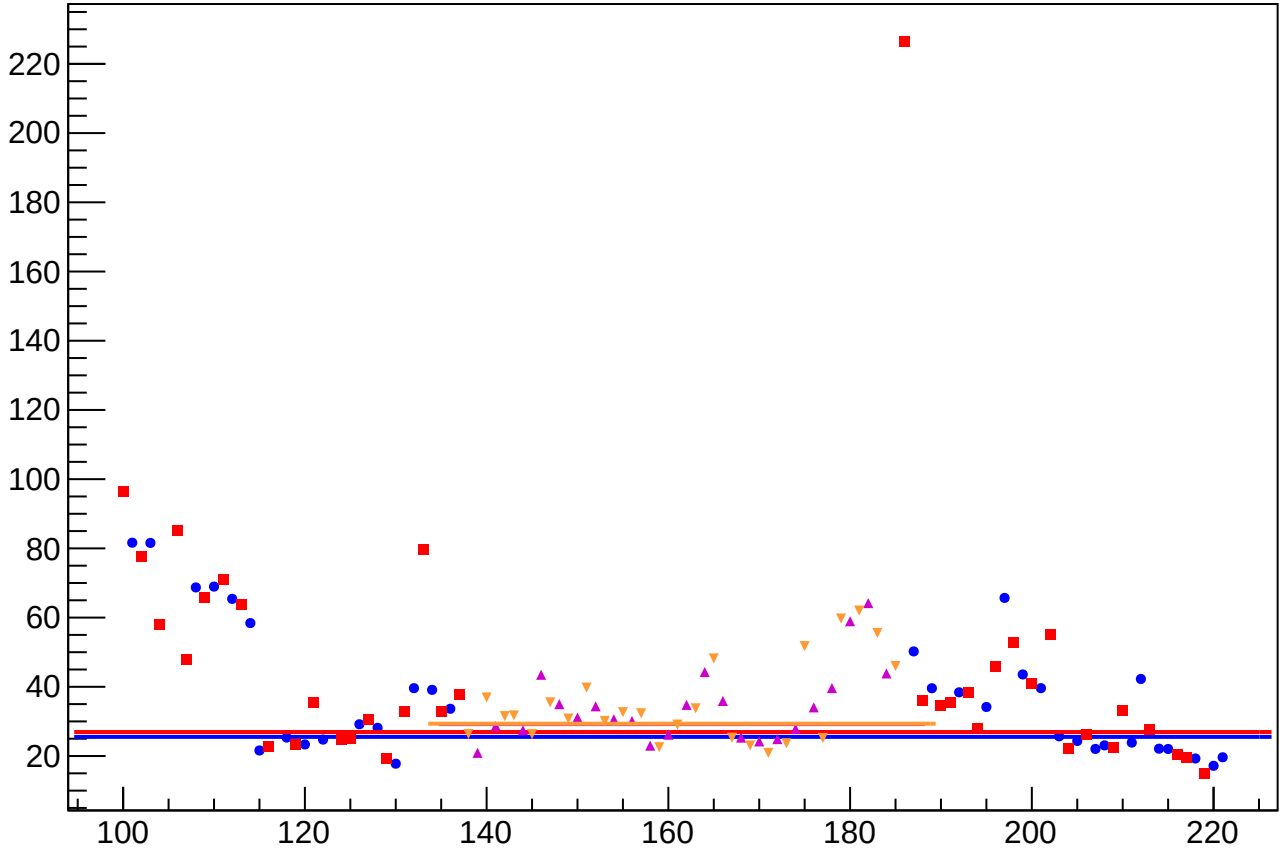
Right: 0.004+/-0.005 χ^2/NDF: 146.9/70

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.004+/-0.003 χ^2/NDF: 211.9/118

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: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

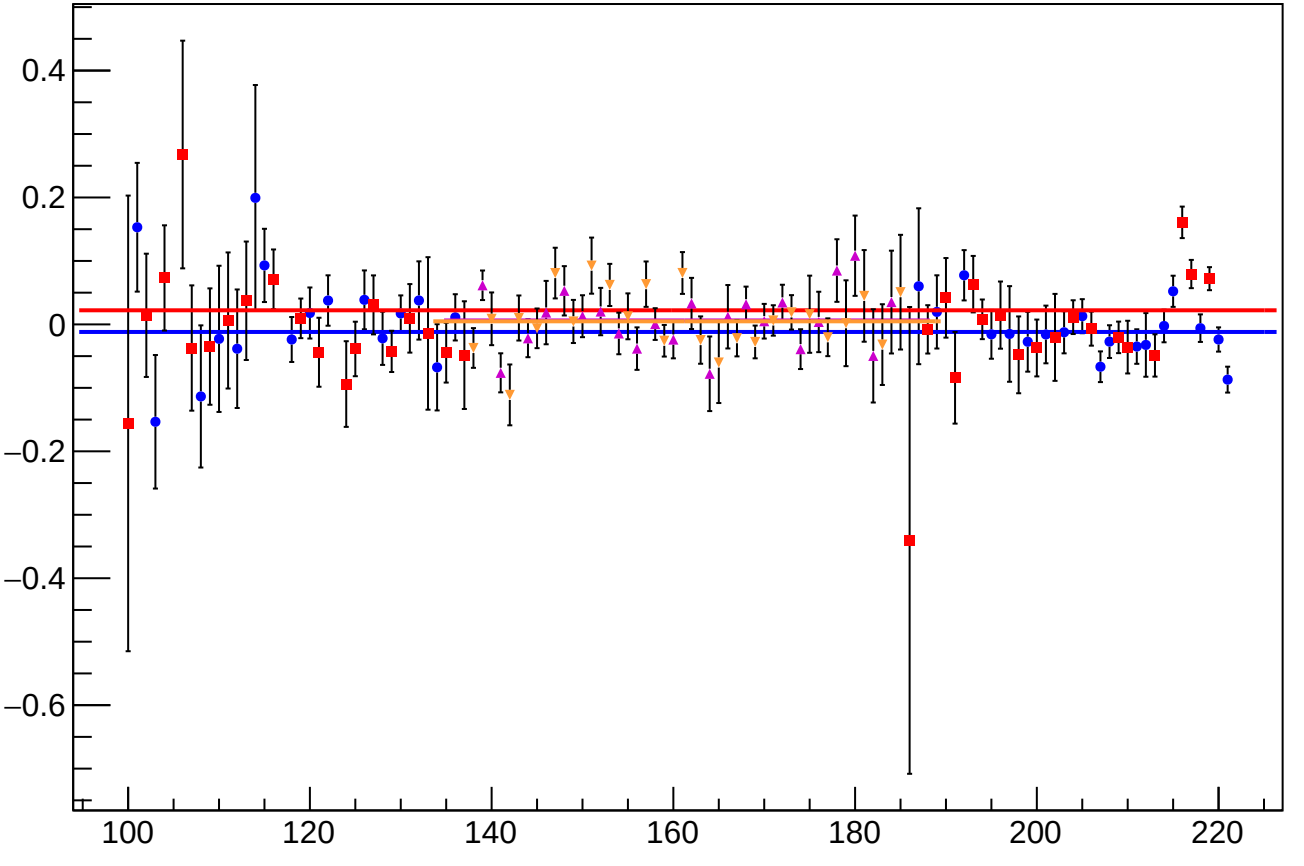
Right: 26.168+/-0.003 χ^2/NDF: 11710501.6/70

In: 27.061+/-0.003 χ^2/NDF:7711733.2/56

Out: 28.066+/-0.003 χ^2/NDF:9159956.3/61

All: 27.542+/-0.002 χ^2/NDF: 16915979.8/118

asym_sam_1526_avg_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: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

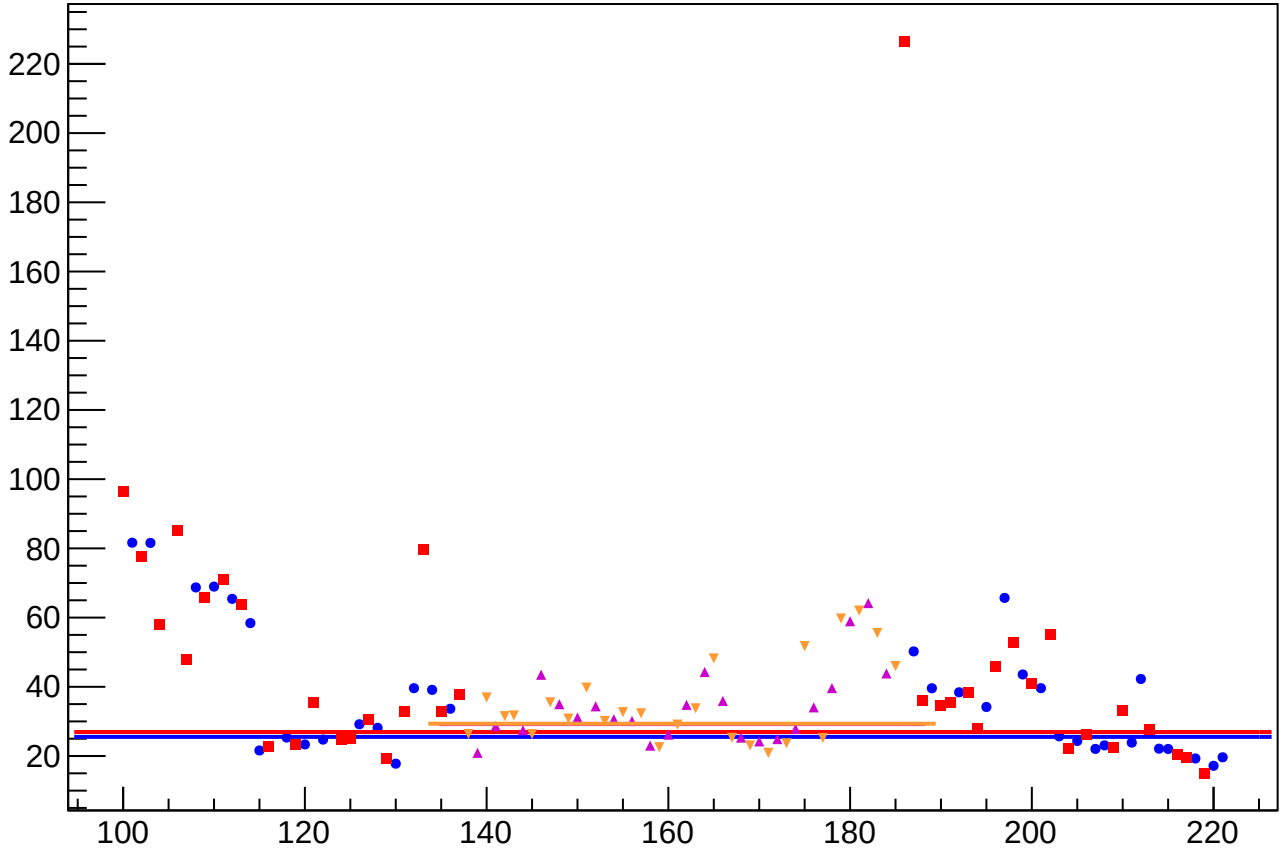
Right: 0.004+/-0.005 χ^2/NDF: 146.9/70

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.004+/-0.003 χ^2/NDF: 211.9/118

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: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

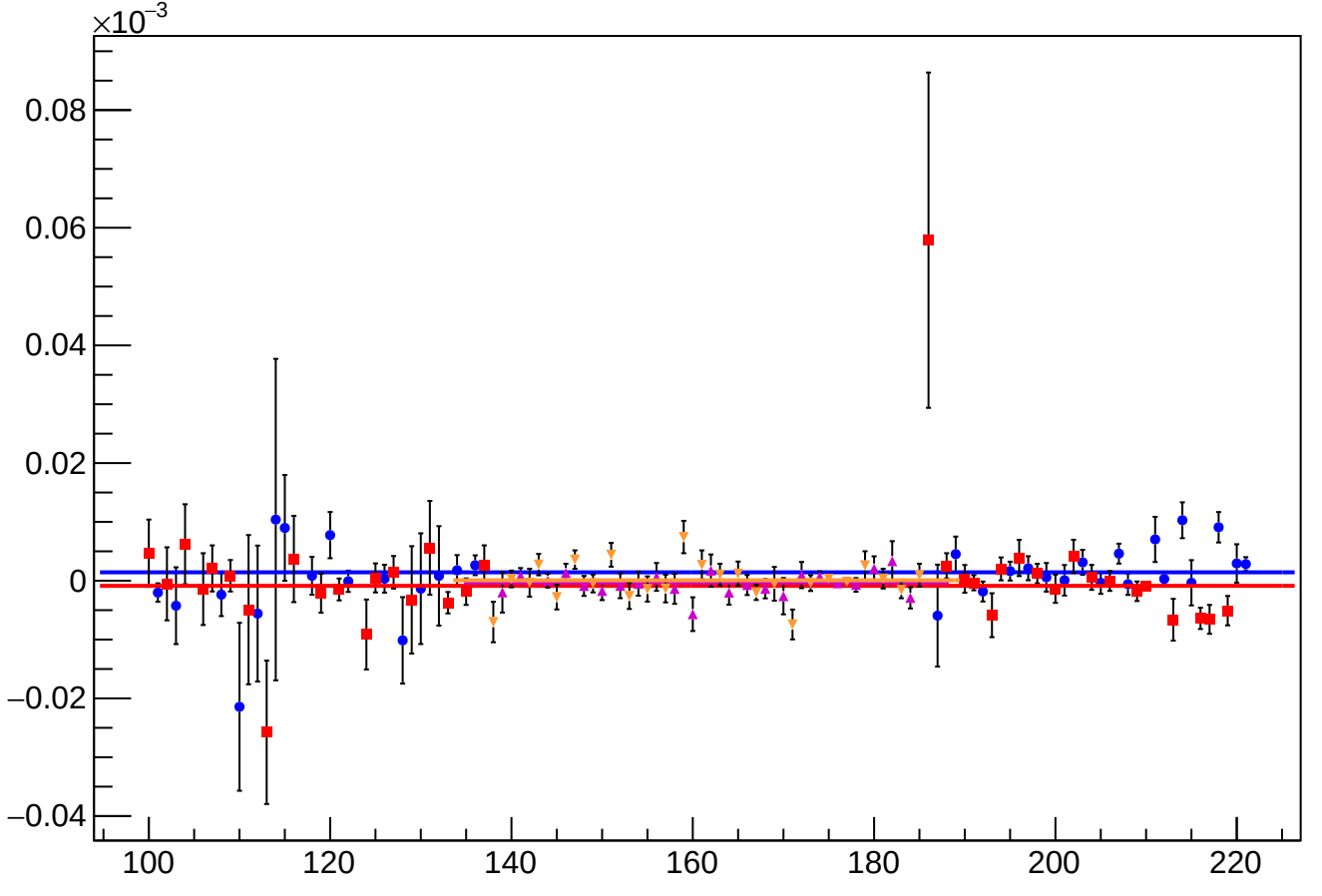
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 26.168+/-0.003 χ^2/NDF: 11710501.6/70

In: 27.061+/-0.003 χ^2/NDF:7711733.2/56

Out: 28.066+/-0.003 χ^2/NDF:9159956.3/61

All: 27.542+/-0.002 χ^2/NDF: 16915979.8/118



Right In: 0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 54.9/36

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

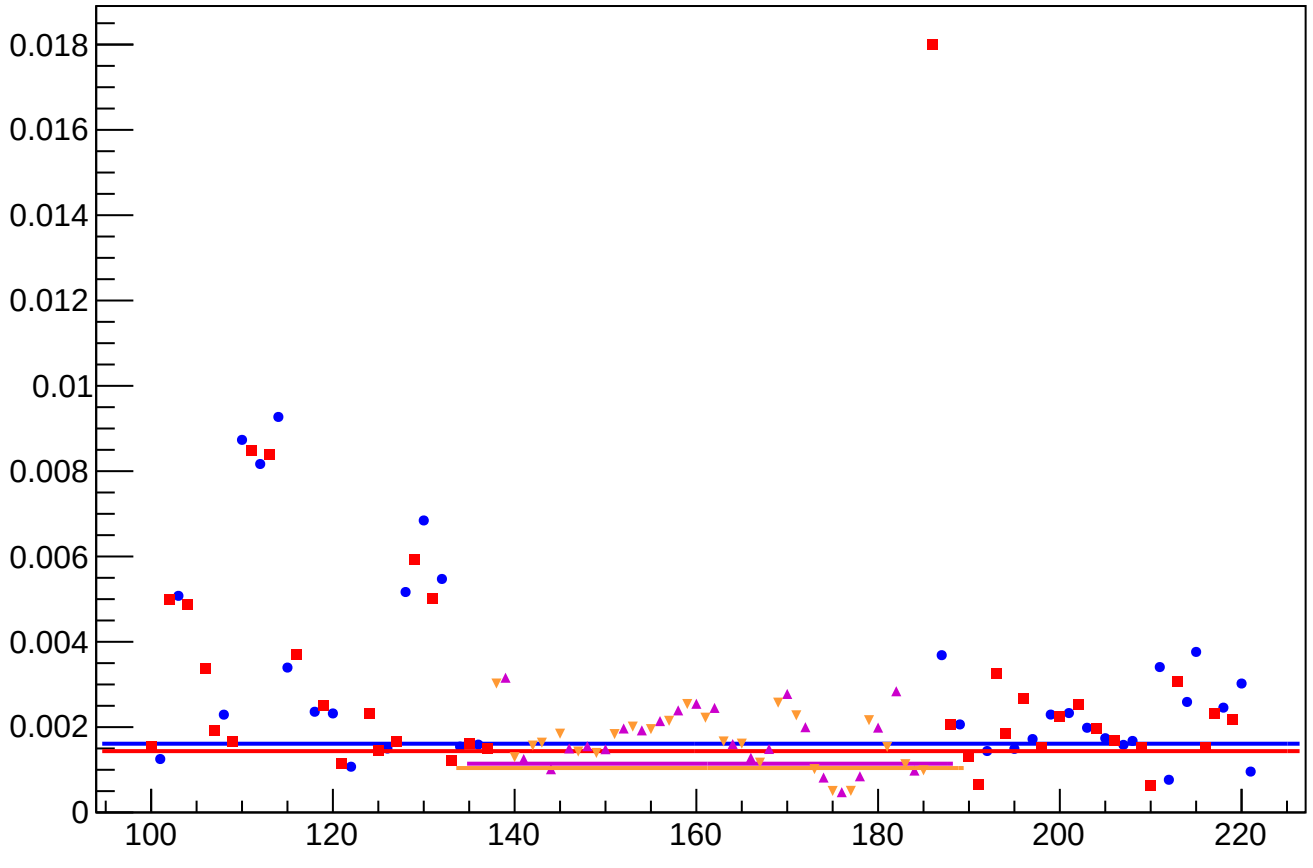
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 124.5/70

In: 0.000+/-0.000 χ^2/NDF:79.1/56

Out: -0.000+/-0.000 χ^2/NDF:102.8/61

All: 0.000+/-0.000 χ^2/NDF: 185.4/118



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: 10699137.8/36

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

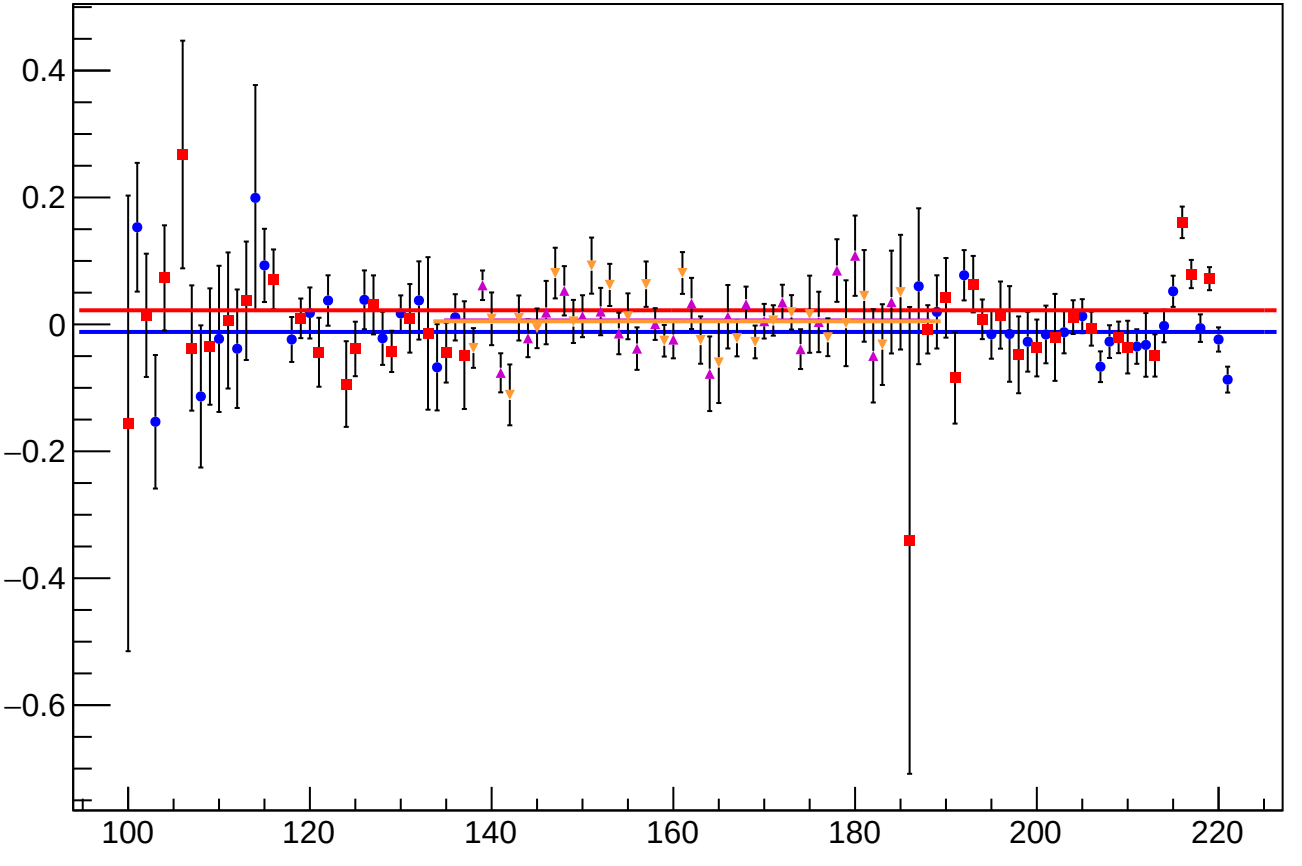
Right: 0.002+/-0.000 χ^2/NDF: 19136213.2/70

In: 0.001+/-0.000 χ^2/NDF:18246652.0/56

Out: 0.001+/-0.000 χ^2/NDF:21998339.8/61

All: 0.001+/-0.000 χ^2/NDF: 40579905.4/118

asym_sam_1526_avg_eigen_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: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

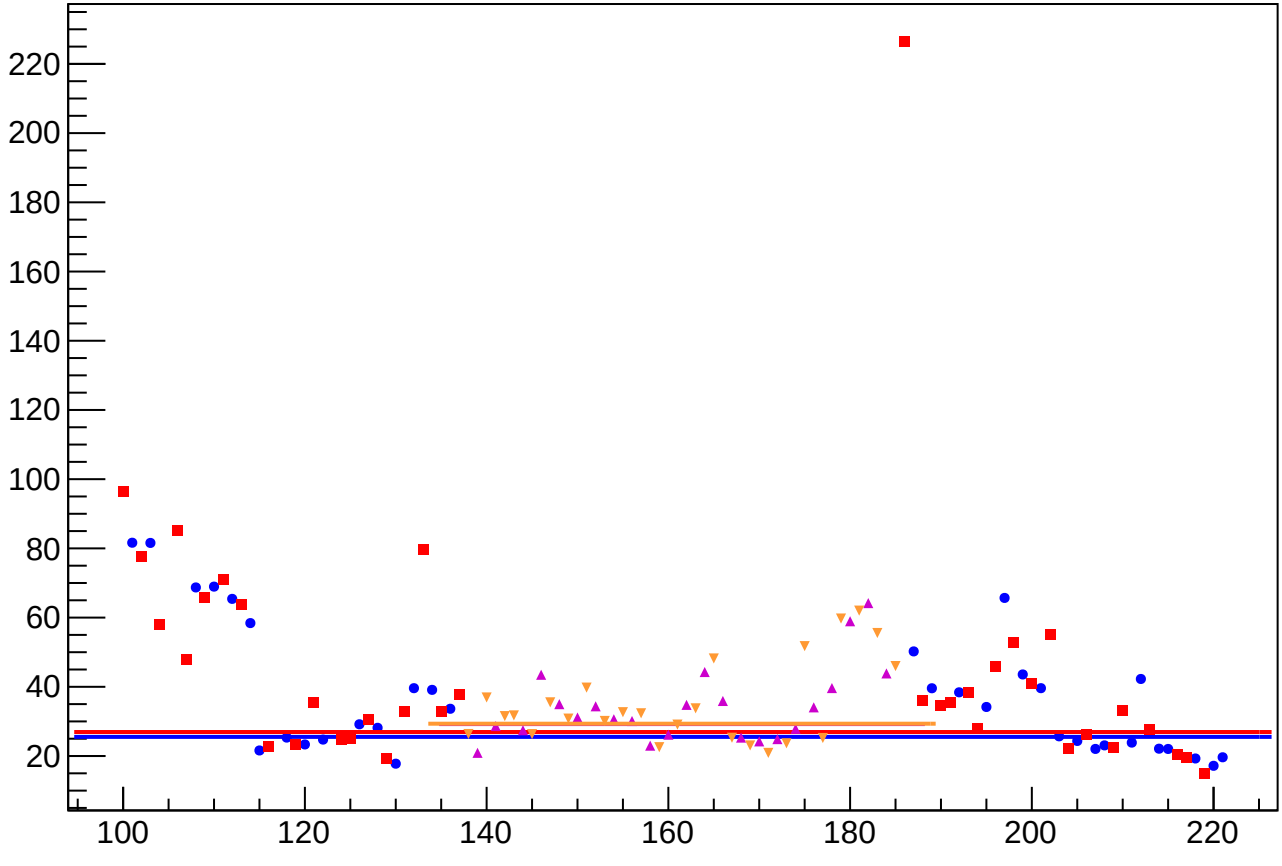
Right: 0.004+/-0.005 χ^2/NDF: 146.9/70

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.004+/-0.003 χ^2/NDF: 211.9/118

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: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

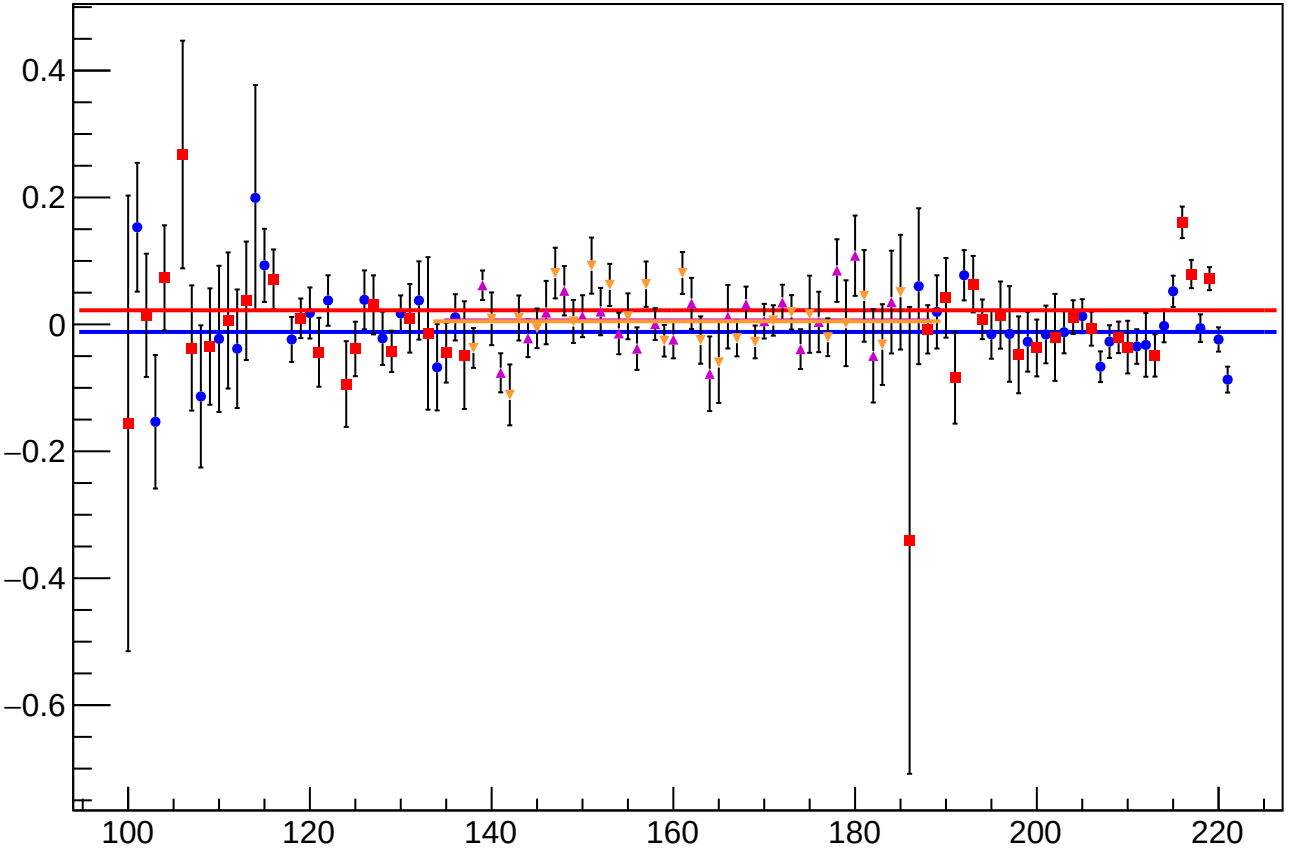
Right: 26.168+/-0.003 χ^2/NDF: 11711199.9/70

In: 27.061+/-0.003 χ^2/NDF:7712277.8/56

Out: 28.066+/-0.003 χ^2/NDF:9160396.5/61

All: 27.542+/-0.002 χ^2/NDF: 16916963.2/118

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: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

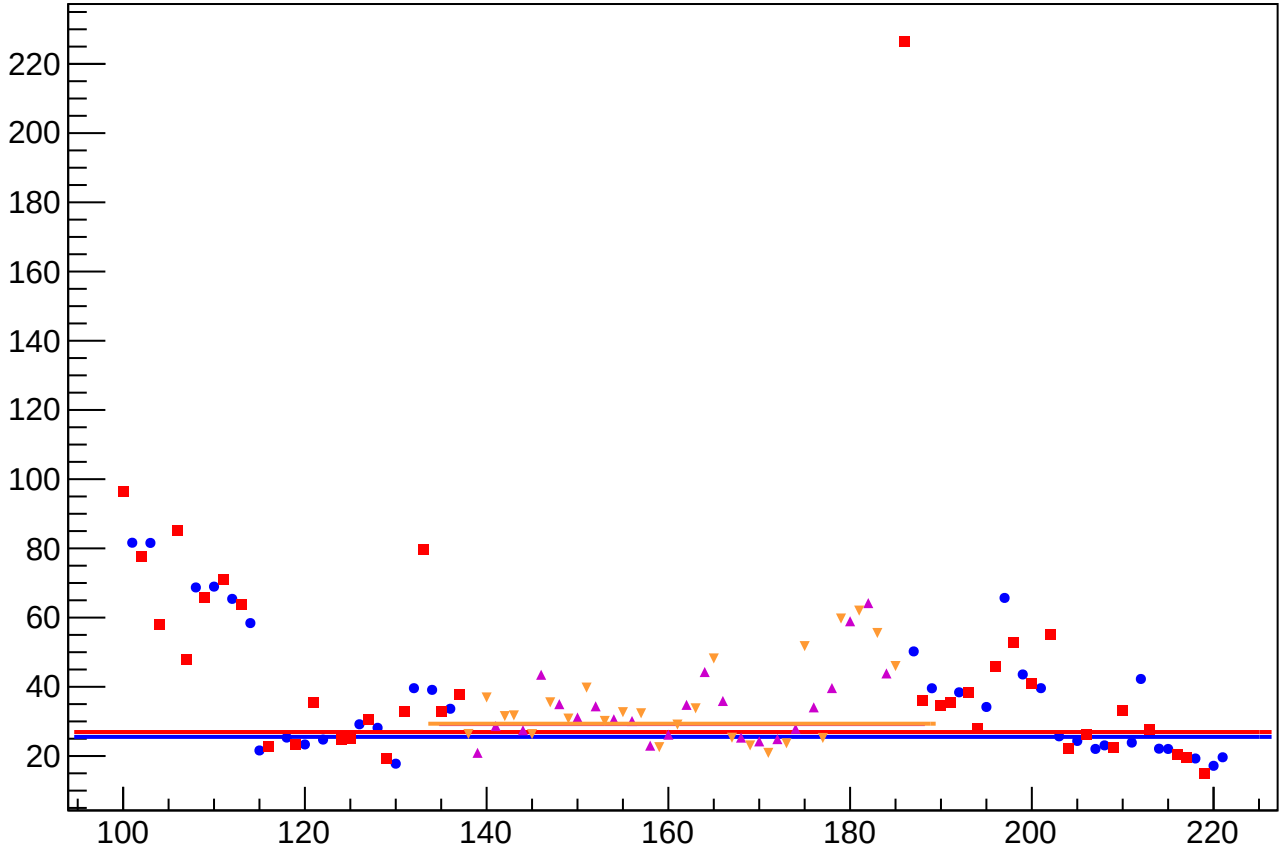
Right: 0.004+/-0.005 χ^2/NDF: 146.9/70

In: -0.004+/-0.005 χ^2/NDF:85.0/56

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.004+/-0.003 χ^2/NDF: 211.9/118

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: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

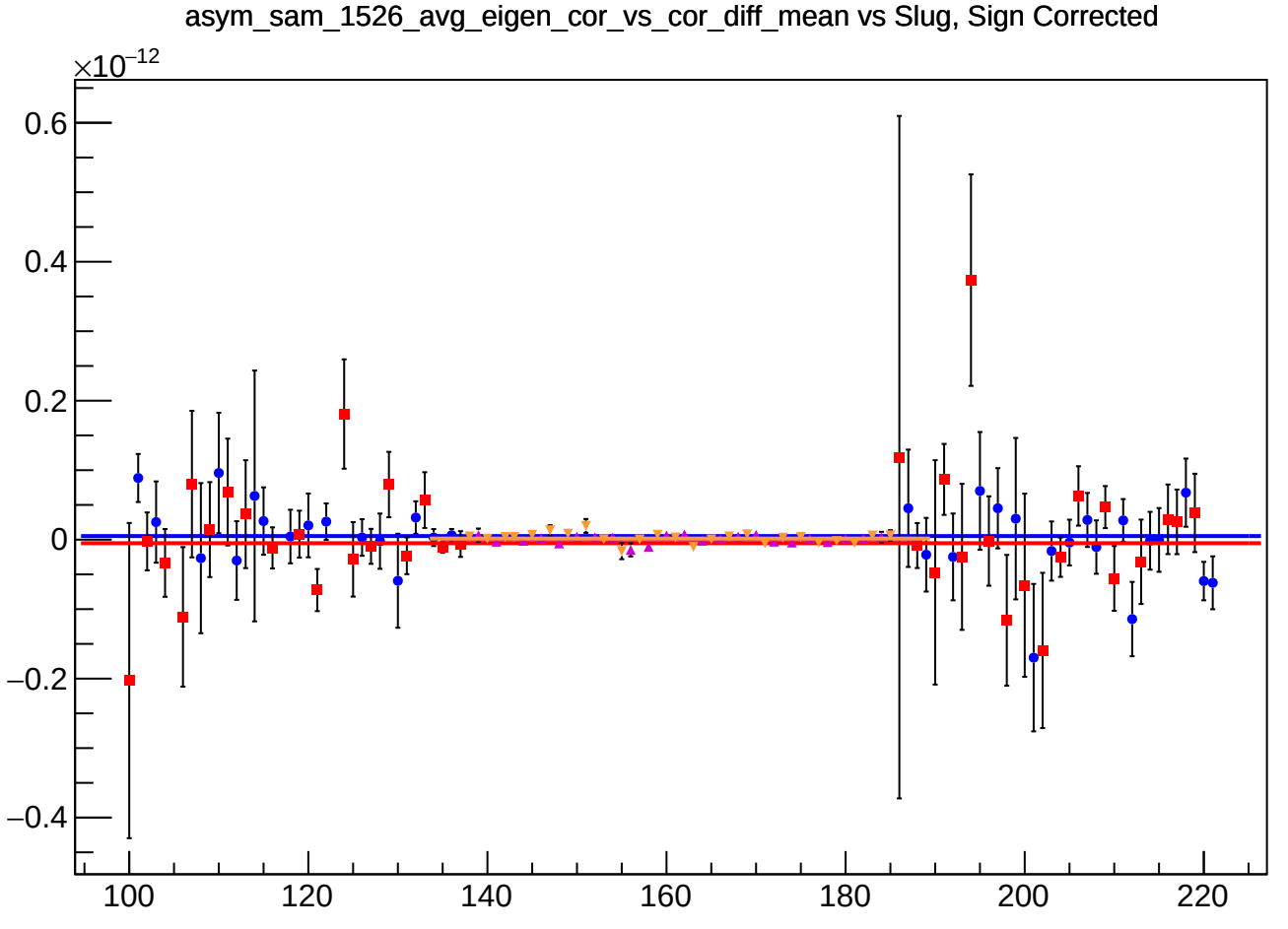
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 26.168+/-0.003 χ^2/NDF: 11711199.9/70

In: 27.061+/-0.003 χ^2/NDF:7712277.8/56

Out: 28.066+/-0.003 χ^2/NDF:9160396.5/61

All: 27.542+/-0.002 χ^2/NDF: 16916963.2/118



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: 43.7/36

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

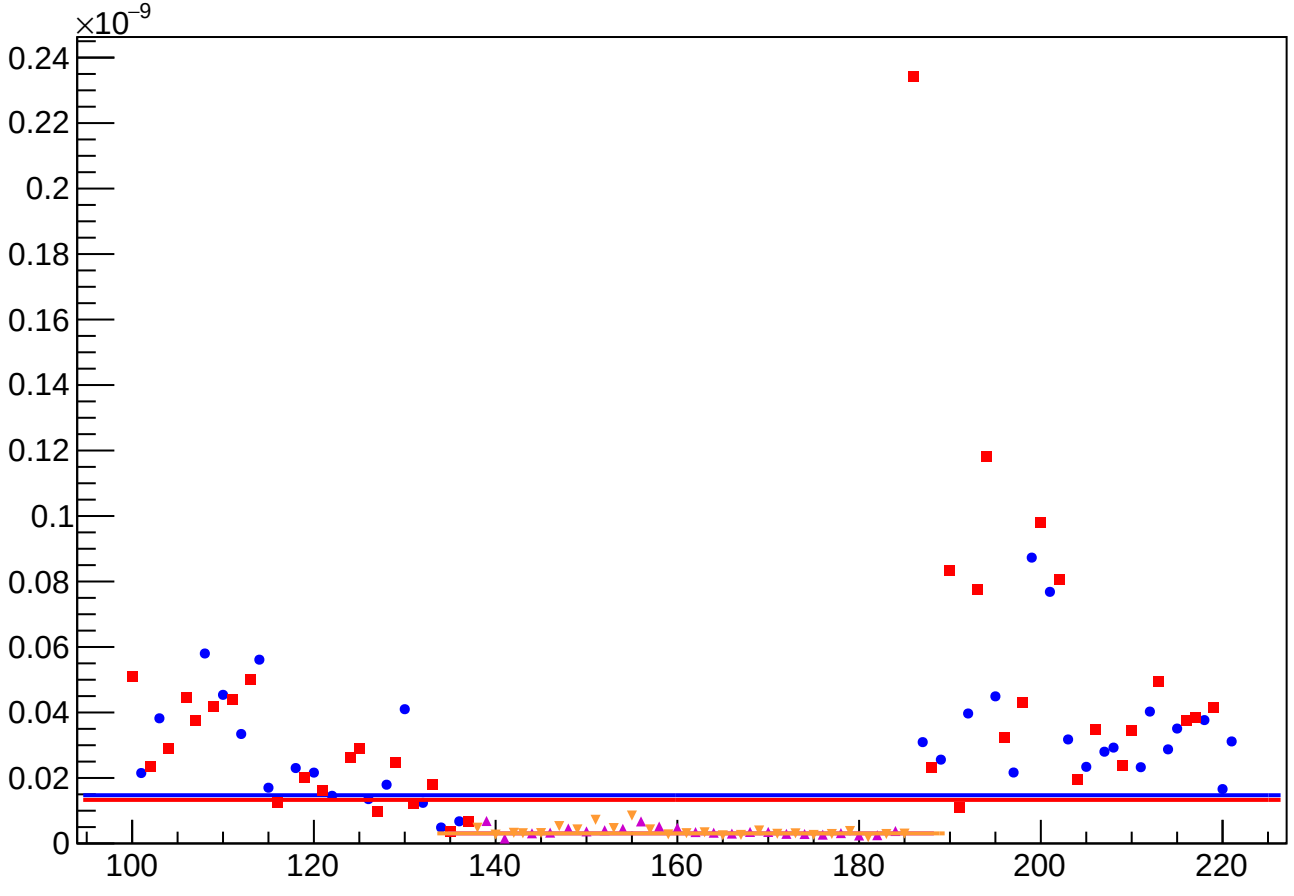
Right: 0.000+/-0.000 χ^2/NDF: 77.7/70

In: 0.000+/-0.000 χ^2/NDF:51.5/56

Out: 0.000+/-0.000 χ^2/NDF:80.2/61

All: 0.000+/-0.000 χ^2/NDF: 132.3/118

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: 13674526.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

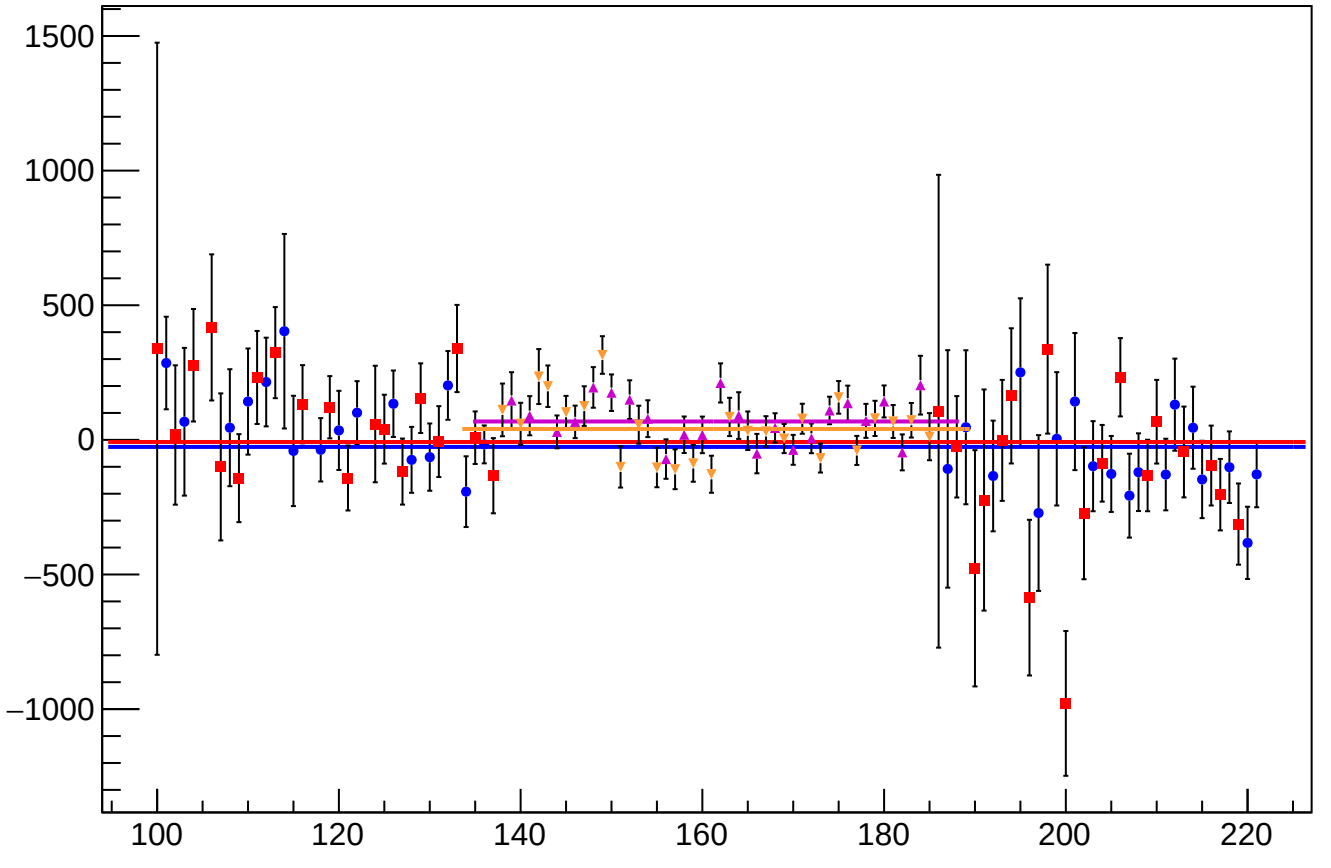
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 23637048.8/70

In: 0.000+/-0.000 χ^2/NDF:21716279.6/56

Out: 0.000+/-0.000 χ^2/NDF:22866057.8/61

All: 0.000+/-0.000 χ^2/NDF: 44589875.2/118



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: -7.870+/-27.437 χ^2/NDF: 54.6/36

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

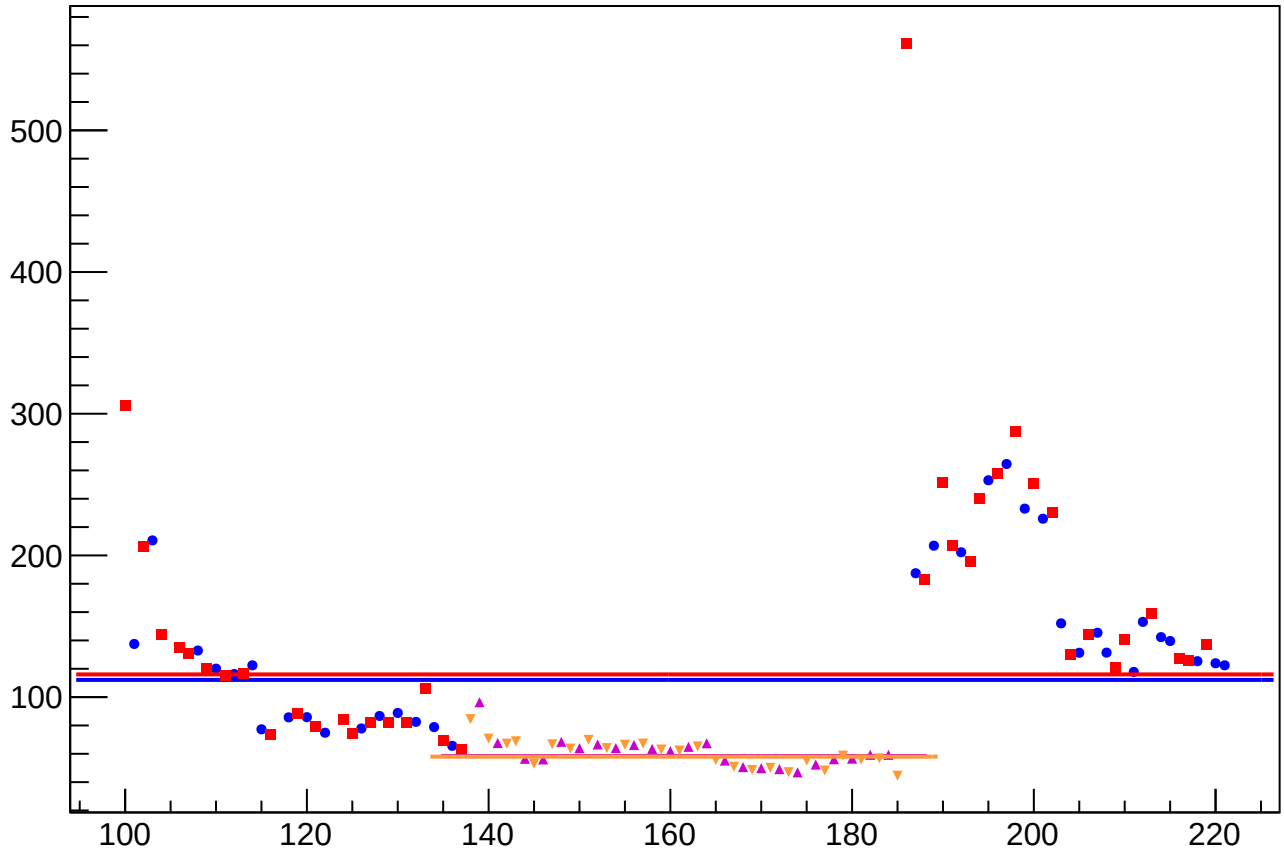
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: -17.614+/-18.784 χ^2/NDF: 86.2/70

In: 47.115+/-12.211 χ^2/NDF:73.6/56

Out: 31.055+/-12.042 χ^2/NDF:116.5/61

All: 38.974+/-8.574 χ^2/NDF: 190.9/118



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: 116.033+/-0.019 χ^2/NDF: 6400208.7/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

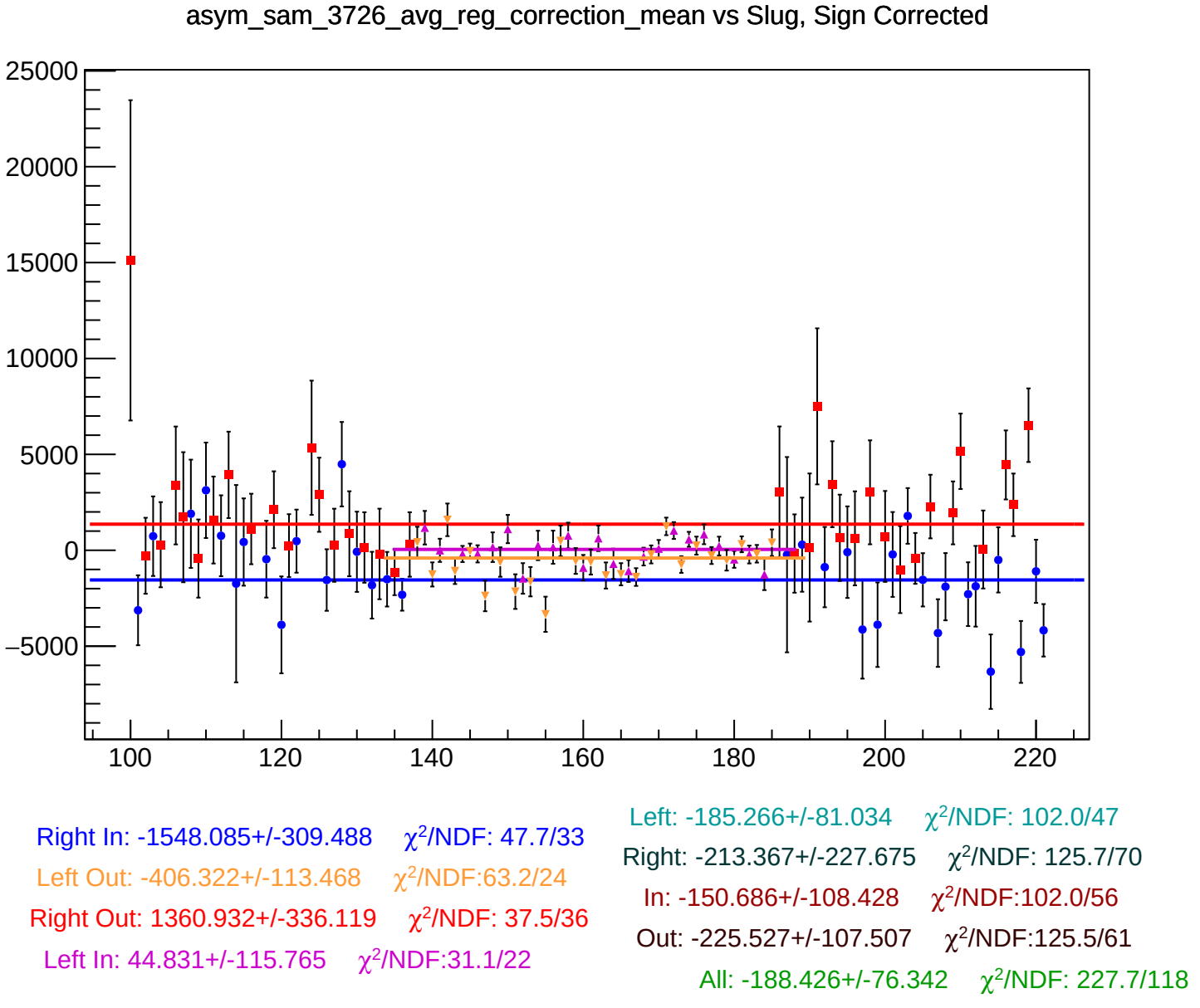
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

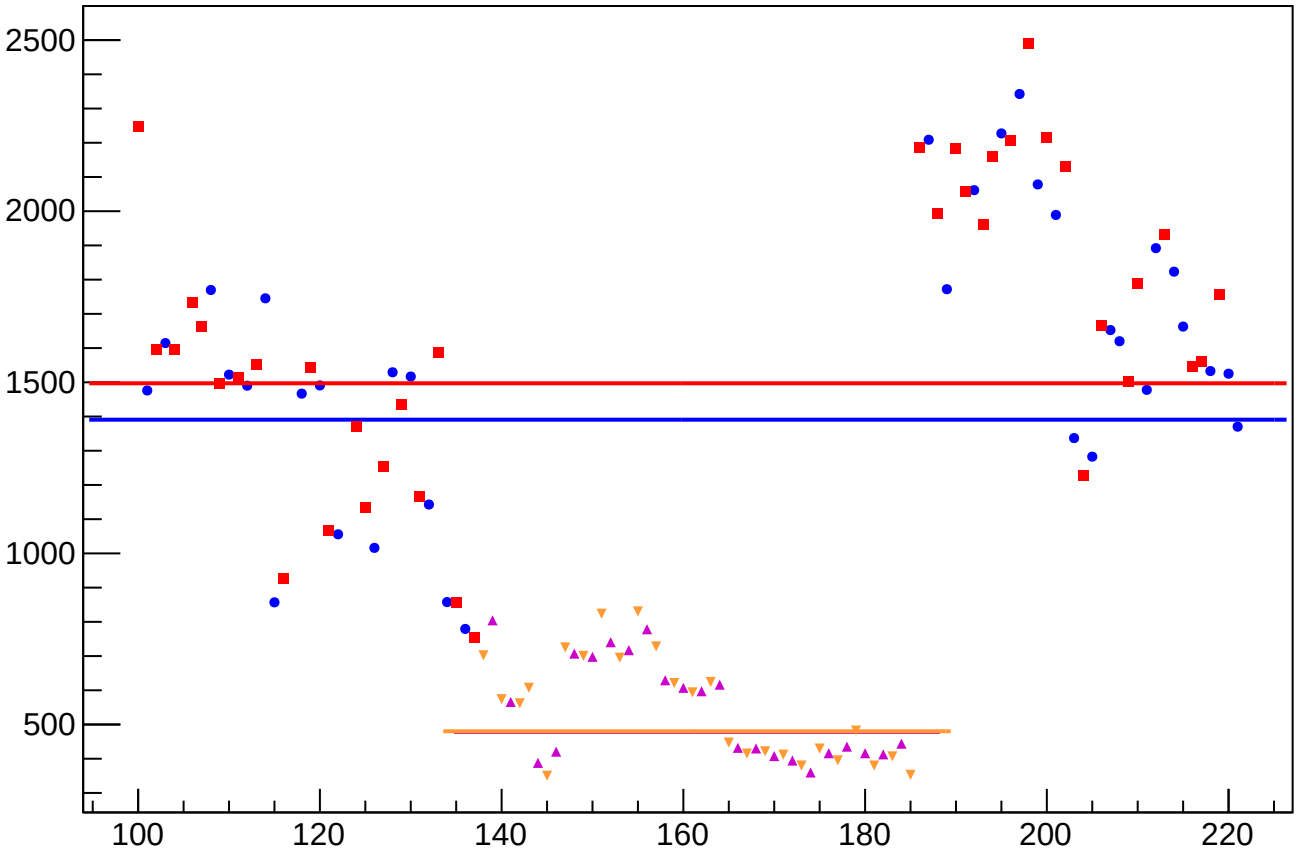
Right: 113.973+/-0.013 χ^2/NDF: 11805181.7/70

In: 70.466+/-0.009 χ^2/NDF:12868035.4/56

Out: 69.175+/-0.009 χ^2/NDF:14432920.2/61

All: 69.812+/-0.006 χ^2/NDF: 27312286.3/118


asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -1548.085+/-309.488 χ²/NDF: 47.7/33
Left Out: -406.322+/-113.468 χ²/NDF:63.2/24
Right Out: 1360.932+/-336.119 χ²/NDF: 37.5/36
Left In: 44.831+/-115.765 χ²/NDF:31.1/22
Left: -185.266+/-81.034 χ²/NDF: 102.0/47
Right: -213.367+/-227.675 χ²/NDF: 125.7/70
In: -150.686+/-108.428 χ²/NDF:102.0/56
Out: -225.527+/-107.507 χ²/NDF:125.5/61
All: -188.426+/-76.342 χ²/NDF: 227.7/118



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: 1497.122+/-0.238 χ^2/NDF: 3124182.0/36

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

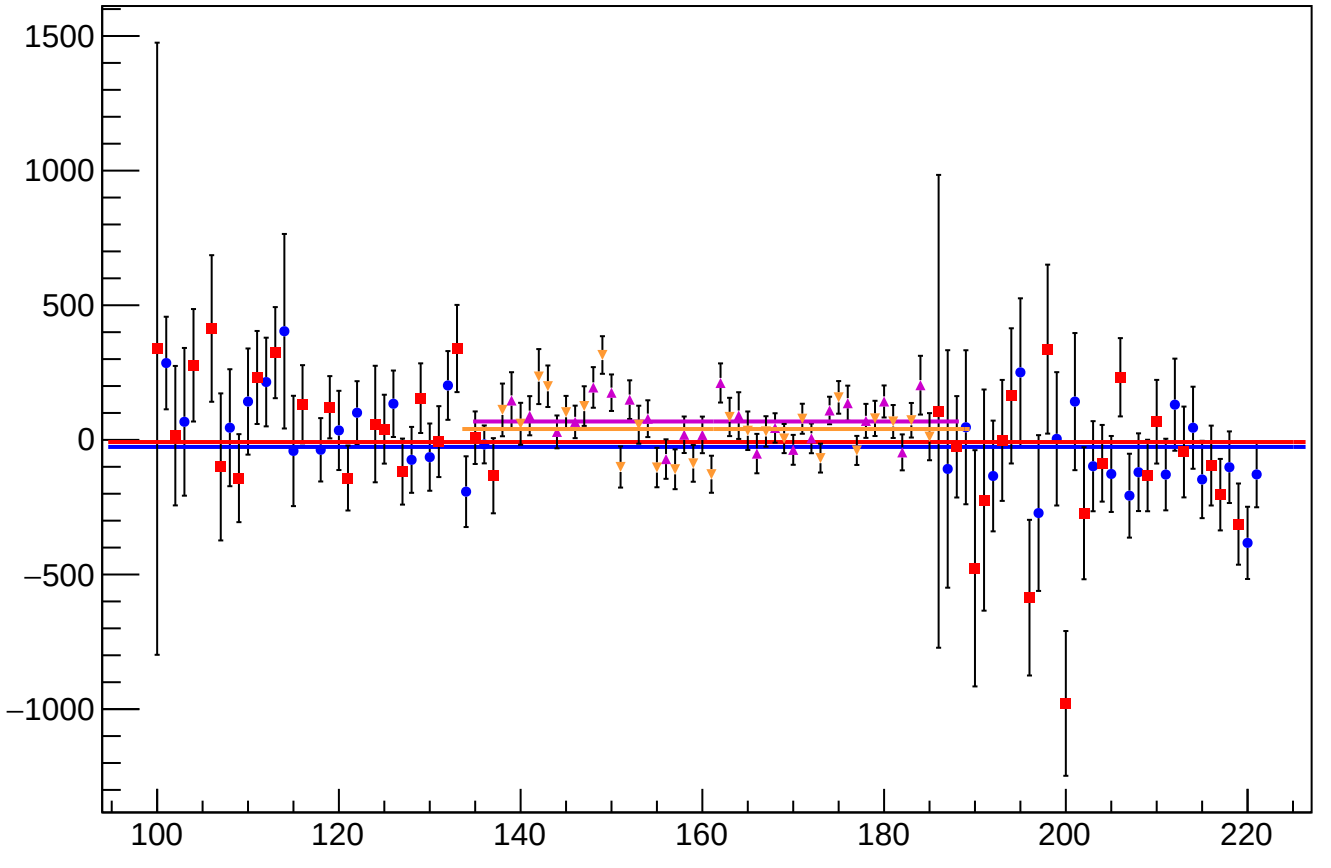
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1439.561+/-0.161 χ^2/NDF: 6601515.9/70

In: 590.107+/-0.077 χ^2/NDF:20842618.2/56

Out: 584.199+/-0.076 χ^2/NDF:22141811.7/61

All: 587.128+/-0.054 χ^2/NDF: 42987423.8/1



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: -7.964+/-27.438 χ^2/NDF: 54.5/36

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

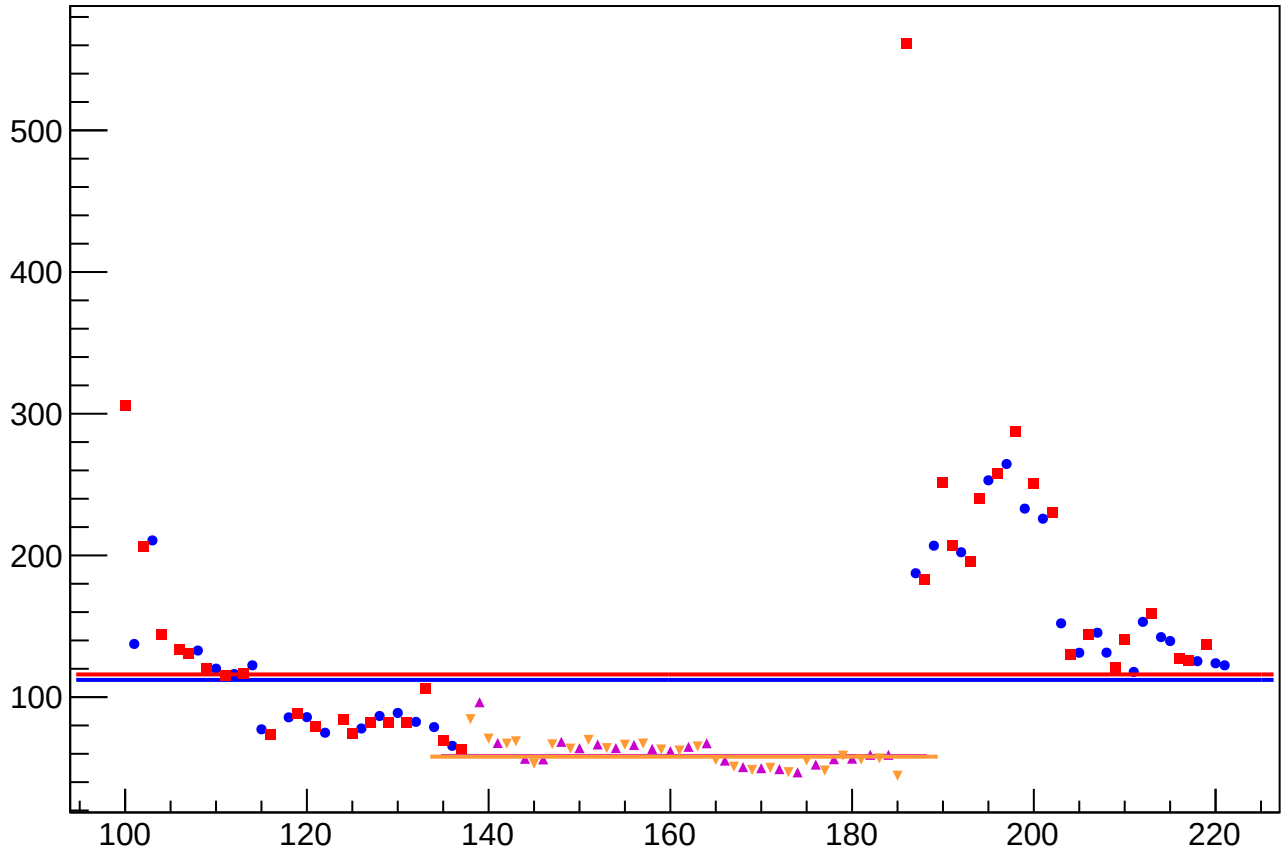
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -17.663+/-18.784 χ^2/NDF: 86.1/70

In: 47.113+/-12.211 χ^2/NDF:73.6/56

Out: 31.039+/-12.042 χ^2/NDF:116.4/61

All: 38.964+/-8.574 χ^2/NDF: 190.9/118



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: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

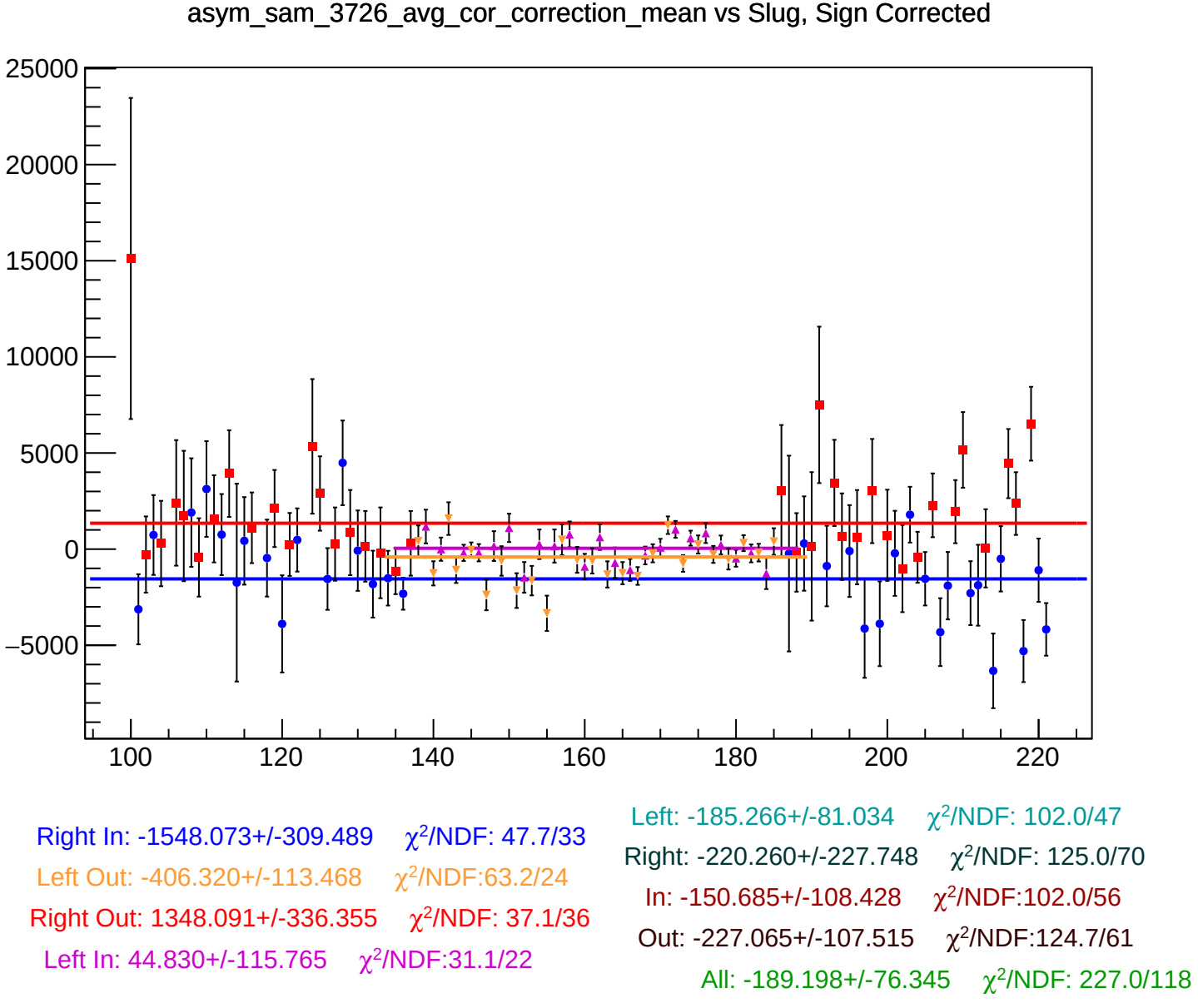
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

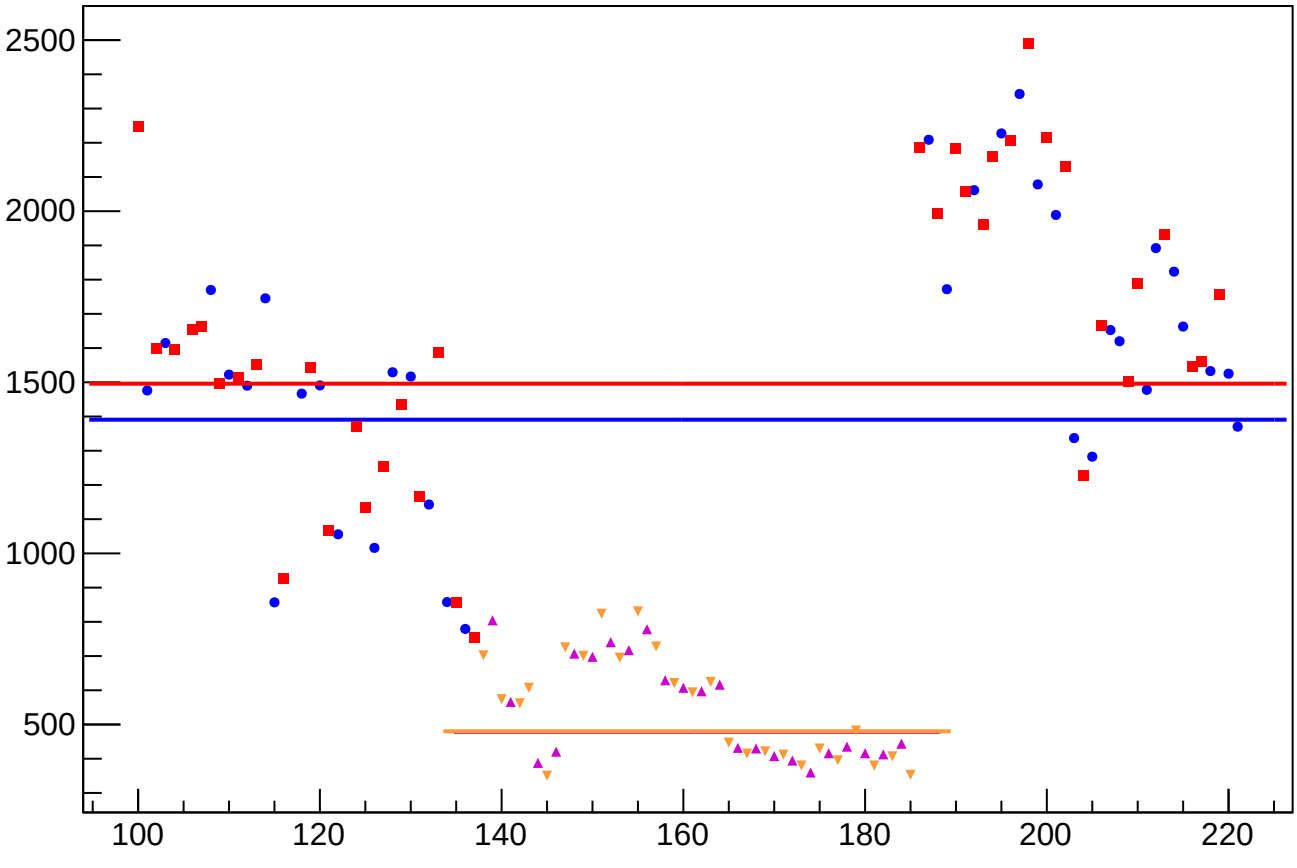
Right: 113.963+/-0.013 χ^2/NDF: 11803286.4/70

In: 70.466+/-0.009 χ^2/NDF:12868037.8/56

Out: 69.171+/-0.009 χ^2/NDF:14425578.2/61

All: 69.809+/-0.006 χ^2/NDF: 27305029.8/118


asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -1548.073+/-309.489 χ²/NDF: 47.7/33
Left Out: -406.320+/-113.468 χ²/NDF:63.2/24
Right Out: 1348.091+/-336.355 χ²/NDF: 37.1/36
Left In: 44.830+/-115.765 χ²/NDF:31.1/22
Left: -185.266+/-81.034 χ²/NDF: 102.0/47
Right: -220.260+/-227.748 χ²/NDF: 125.0/70
In: -150.685+/-108.428 χ²/NDF:102.0/56
Out: -227.065+/-107.515 χ²/NDF:124.7/61
All: -189.198+/-76.345 χ²/NDF: 227.0/118



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: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

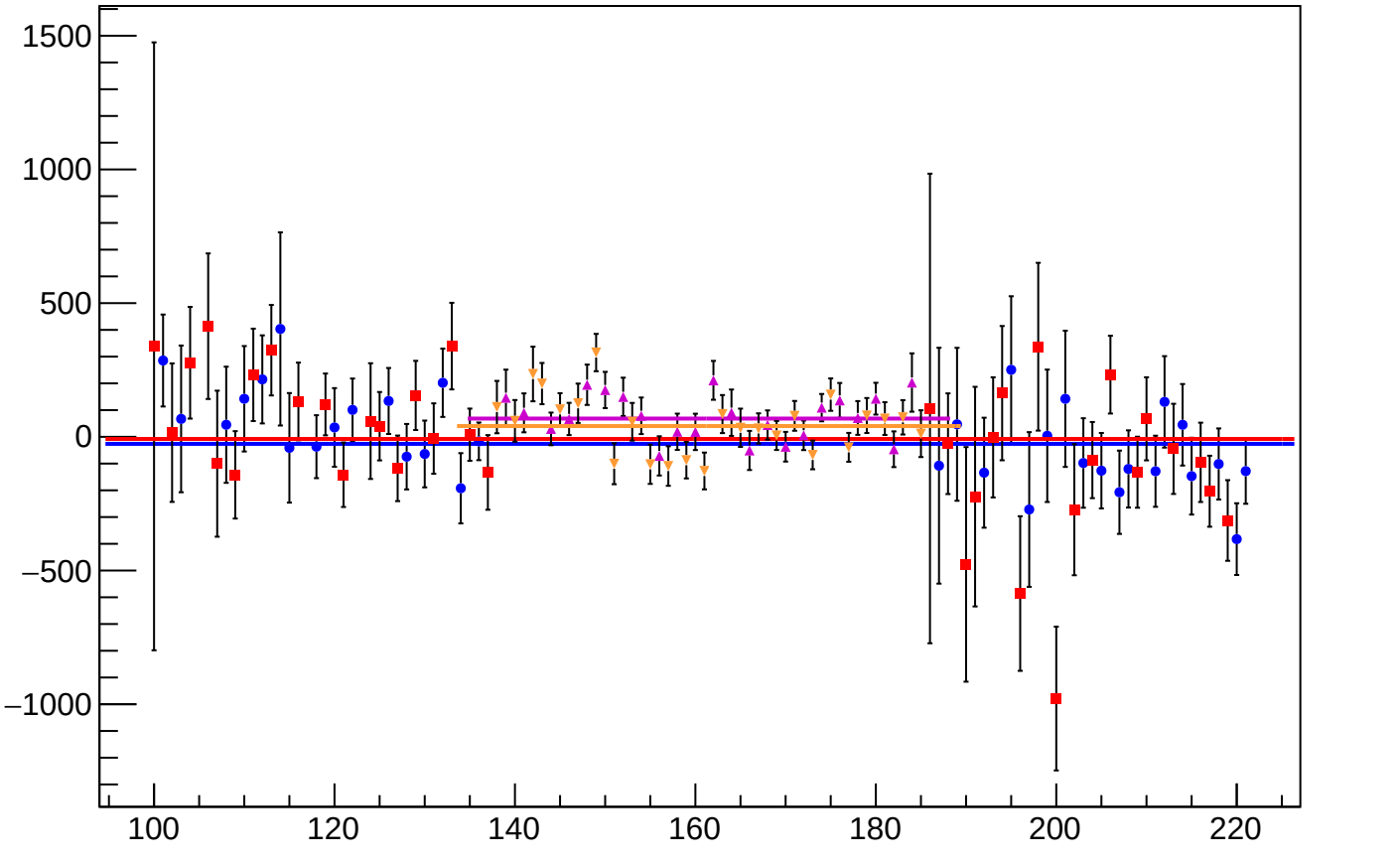
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1439.011+/-0.161 χ^2/NDF: 6592150.9/70

In: 590.107+/-0.077 χ^2/NDF:20842646.7/56

Out: 583.954+/-0.076 χ^2/NDF:22077906.1/61

All: 587.005+/-0.054 χ^2/NDF: 42923800.7/1



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: -7.964+/-27.438 χ^2/NDF: 54.5/36

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

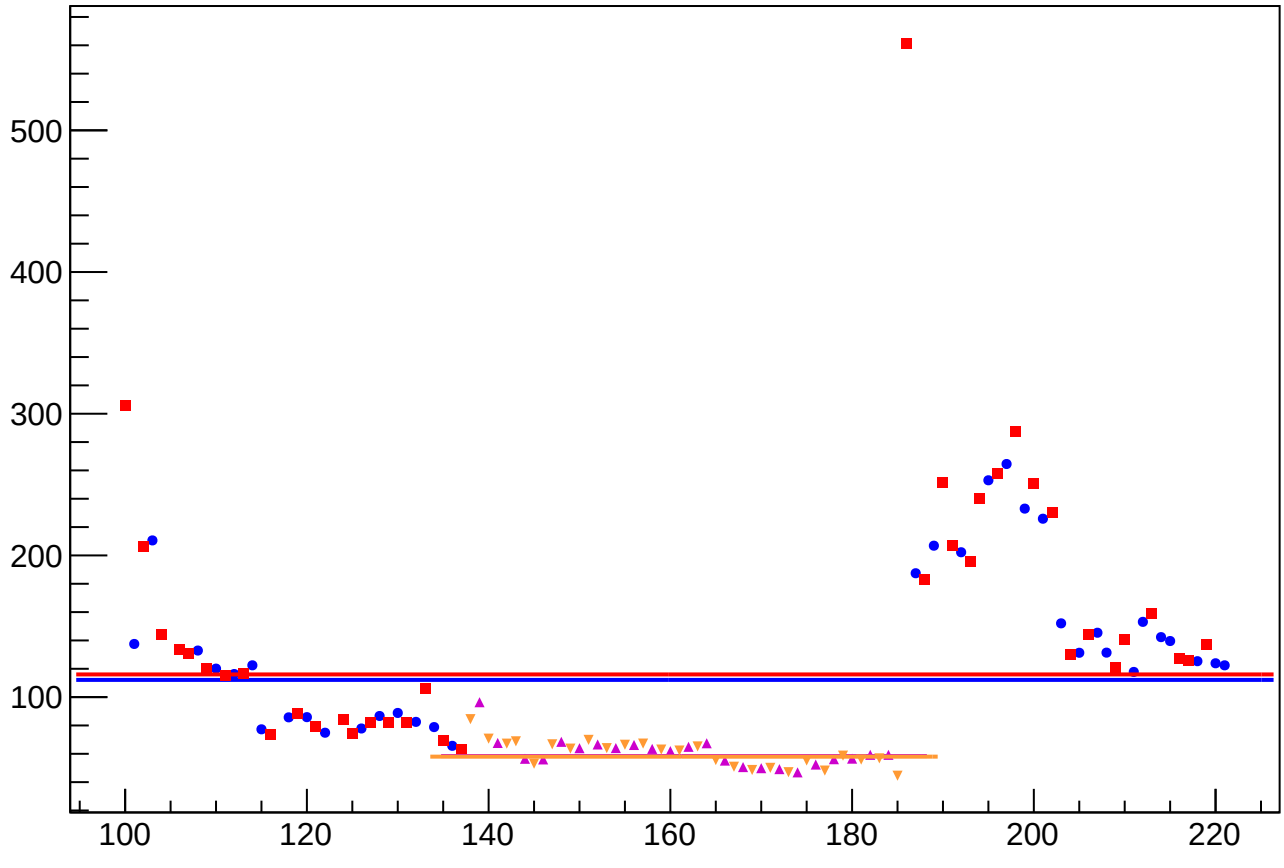
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -17.663+/-18.784 χ^2/NDF: 86.1/70

In: 47.113+/-12.211 χ^2/NDF:73.6/56

Out: 31.039+/-12.042 χ^2/NDF:116.4/61

All: 38.964+/-8.574 χ^2/NDF: 190.9/118



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: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

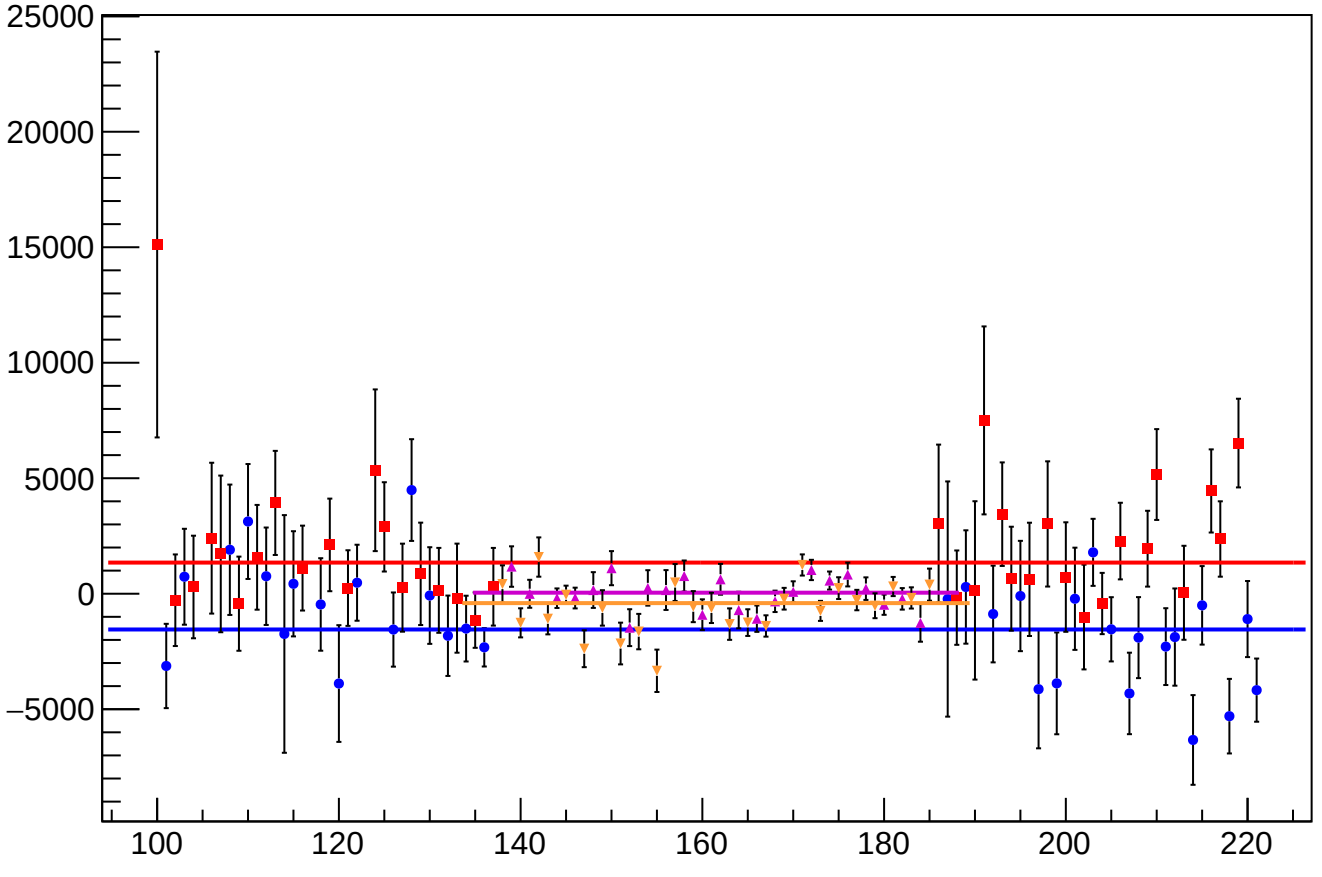
Right: 113.963+/-0.013 χ^2/NDF: 11803286.4/70

In: 70.466+/-0.009 χ^2/NDF:12868037.8/56

Out: 69.171+/-0.009 χ^2/NDF:14425578.2/61

All: 69.809+/-0.006 χ^2/NDF: 27305029.8/118

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: 1348.091+/-336.355 χ^2/NDF: 37.1/36

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

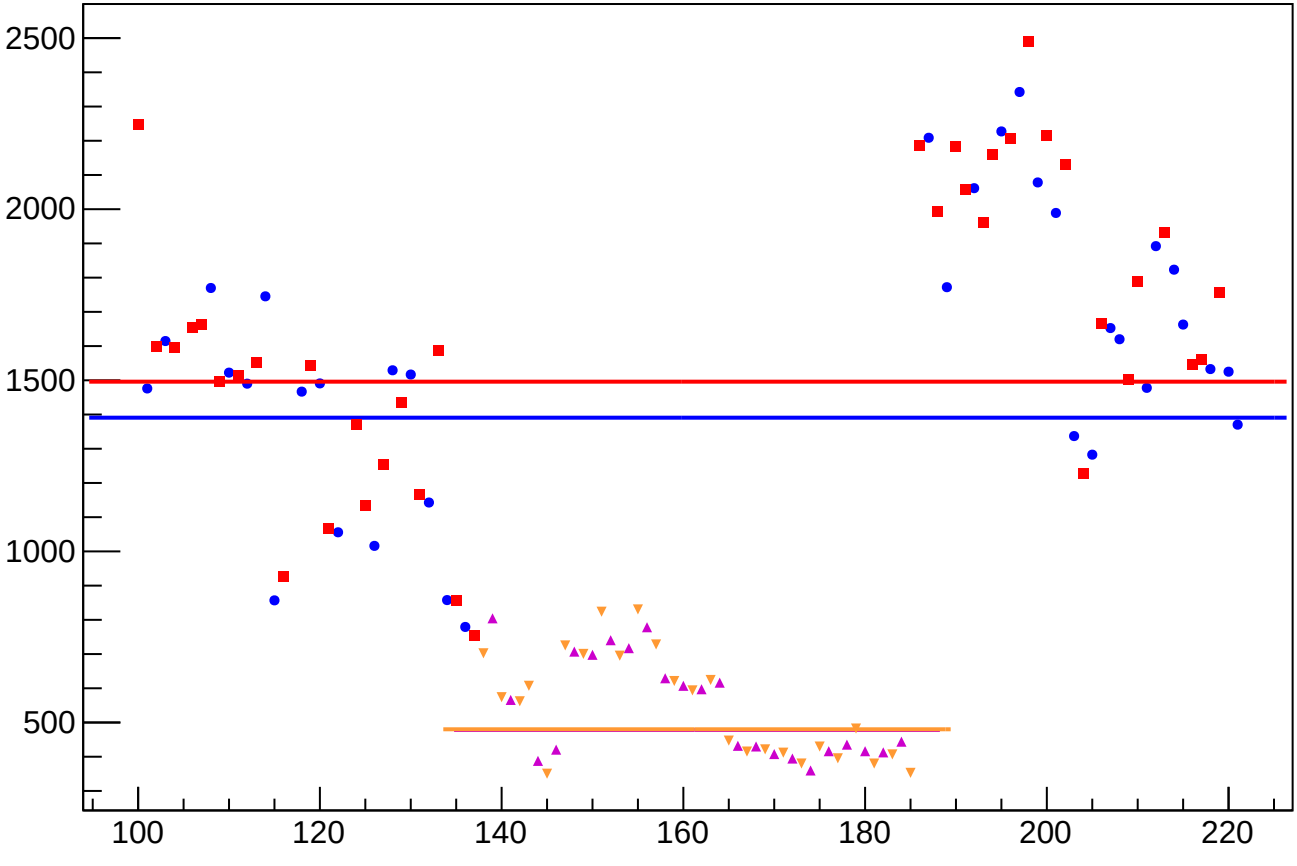
Right: -220.260+/-227.748 χ^2/NDF: 125.0/70

In: -150.685+/-108.428 χ^2/NDF:102.0/56

Out: -227.065+/-107.515 χ^2/NDF:124.7/61

All: -189.198+/-76.345 χ^2/NDF: 227.0/118

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

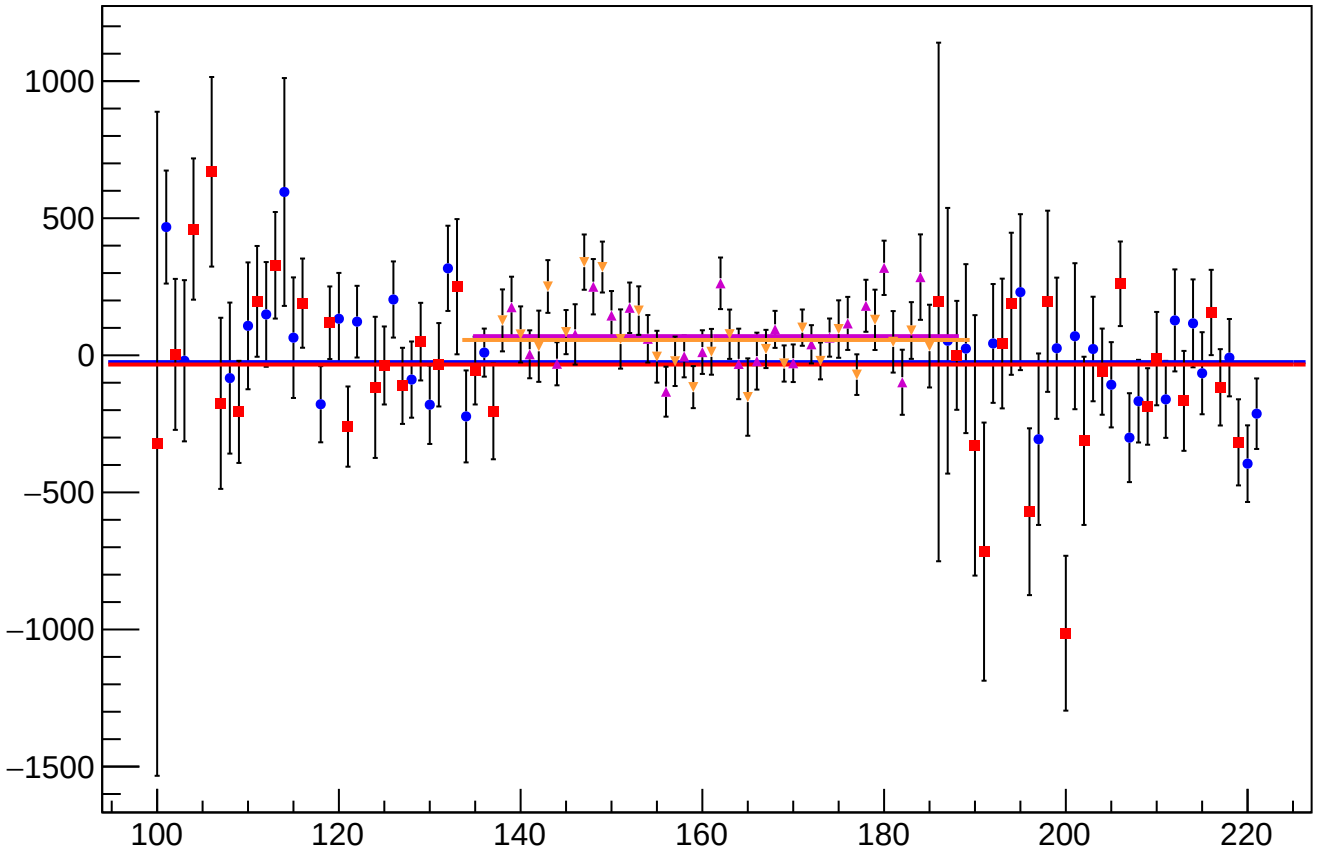
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1439.011+/-0.161 χ^2/NDF: 6592150.9/70

In: 590.107+/-0.077 χ^2/NDF:20842646.7/56

Out: 583.954+/-0.076 χ^2/NDF:22077906.1/61

All: 587.005+/-0.054 χ^2/NDF: 42923800.7/1



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: -33.630+/-31.062 χ^2/NDF: 52.8/36

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

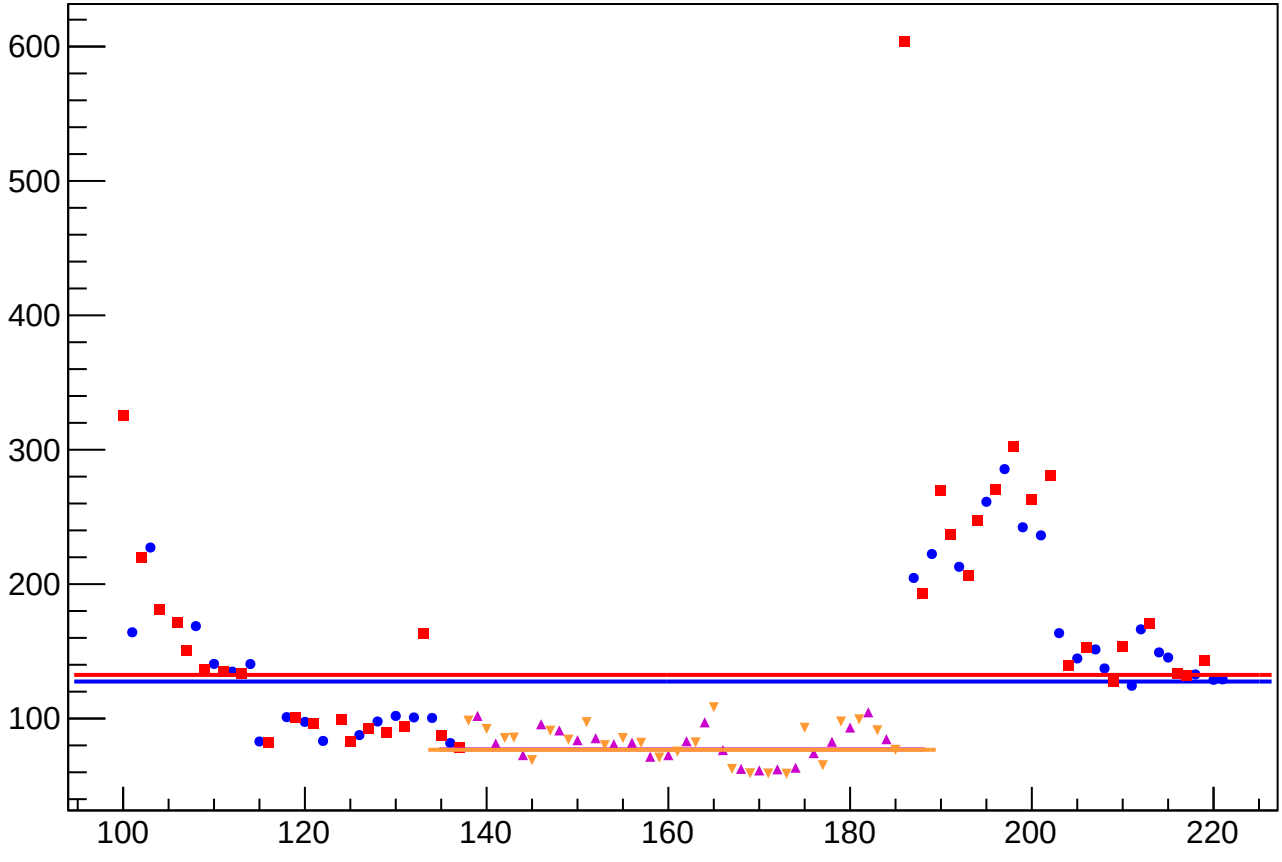
Right: -28.941+/-21.191 χ^2/NDF: 93.7/70

In: 42.435+/-15.592 χ^2/NDF:83.0/56

Out: 33.525+/-15.541 χ^2/NDF:97.4/61

All: 37.965+/-11.007 χ^2/NDF: 180.5/118

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: 132.460+/-0.022 χ^2/NDF: 5570721.0/36

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

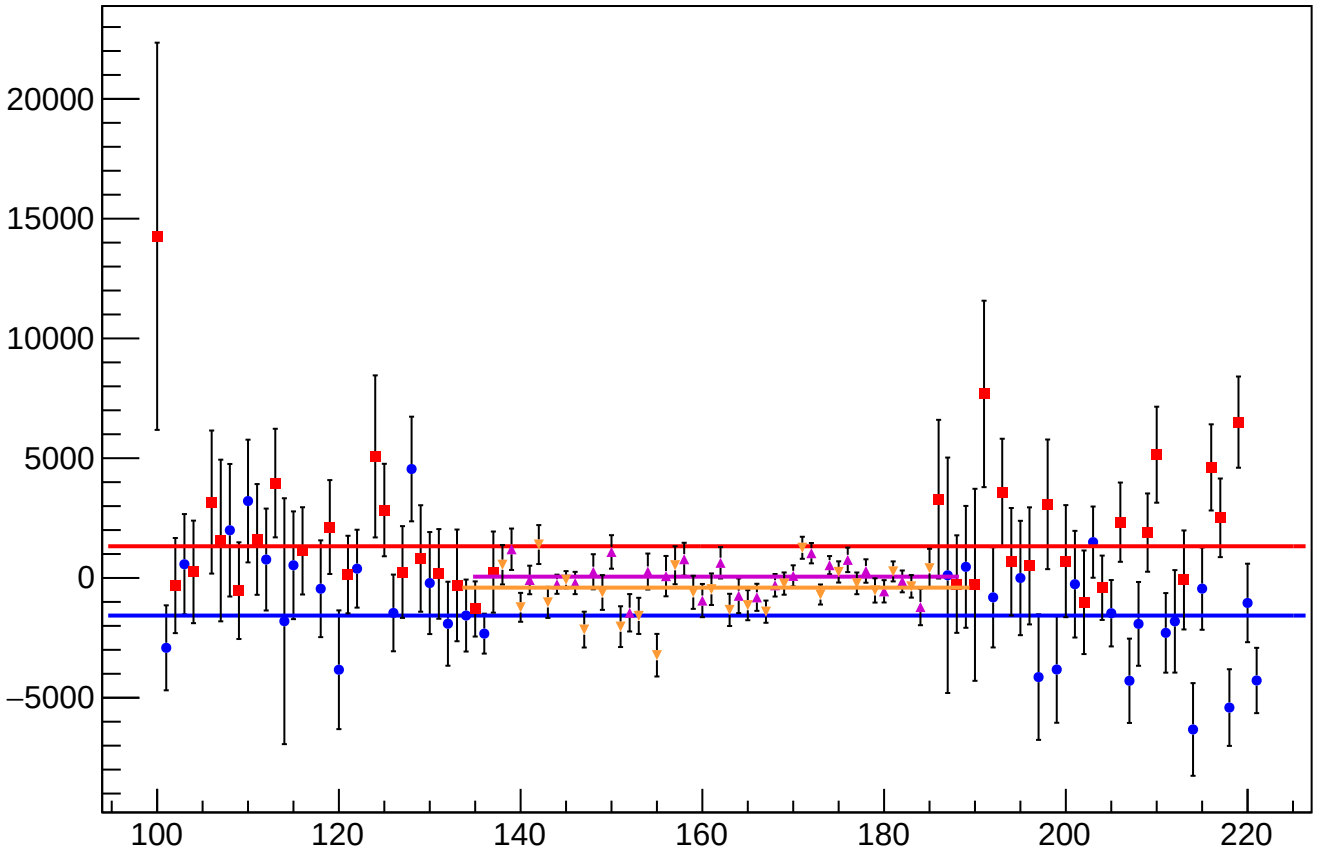
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 129.821+/-0.015 χ^2/NDF: 9911881.5/70

In: 91.635+/-0.011 χ^2/NDF:9488528.0/56

Out: 90.691+/-0.011 χ^2/NDF:11629425.6/61

All: 91.161+/-0.008 χ^2/NDF: 21121630.4/118



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: 1323.769+/-334.213 χ^2/NDF: 39.6/36

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

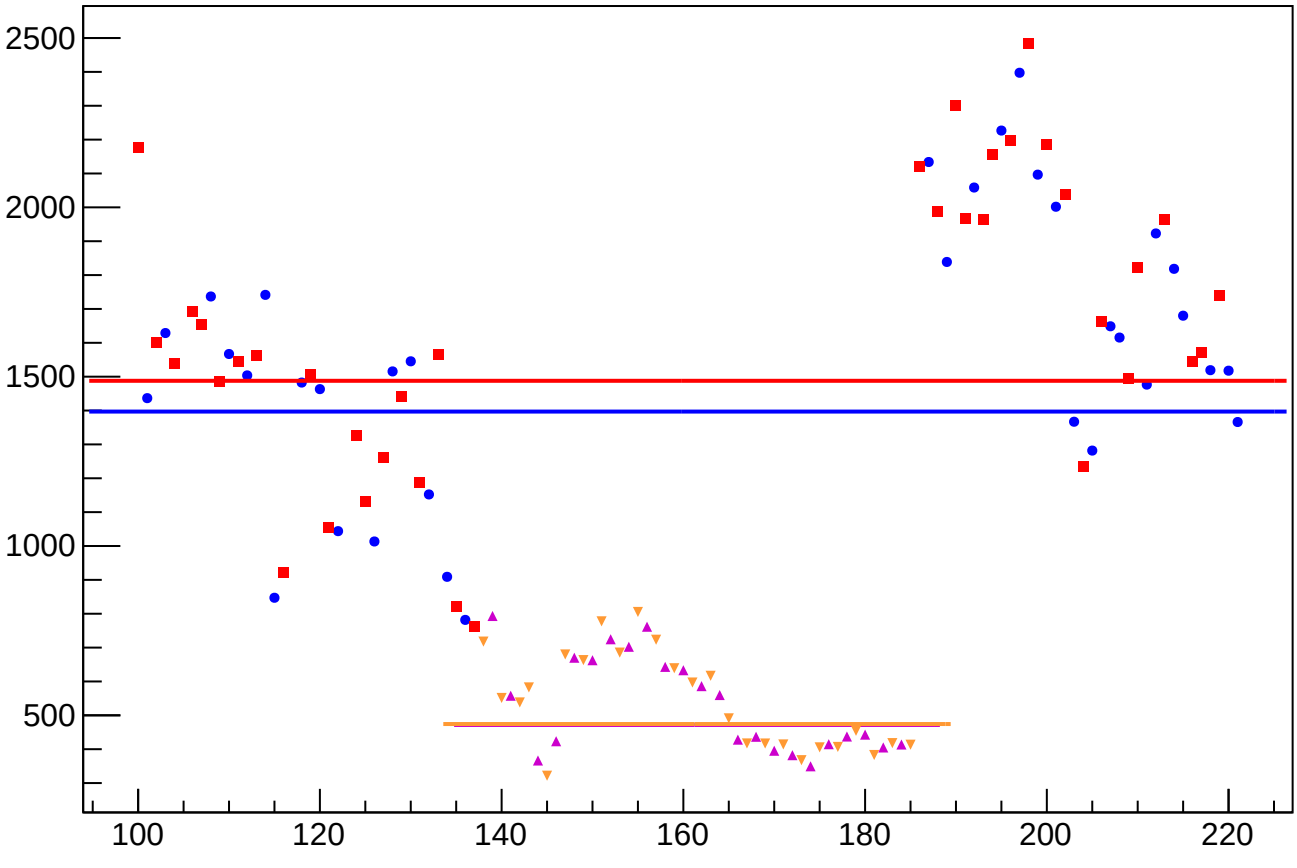
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -228.558+/-227.533 χ^2/NDF: 127.2/70

In: -139.209+/-107.206 χ^2/NDF:102.1/56

Out: -229.630+/-106.002 χ^2/NDF:124.4/61

All: -184.930+/-75.377 χ^2/NDF: 226.9/118



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: 1487.817+/-0.236 χ^2/NDF: 3185737.0/36

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

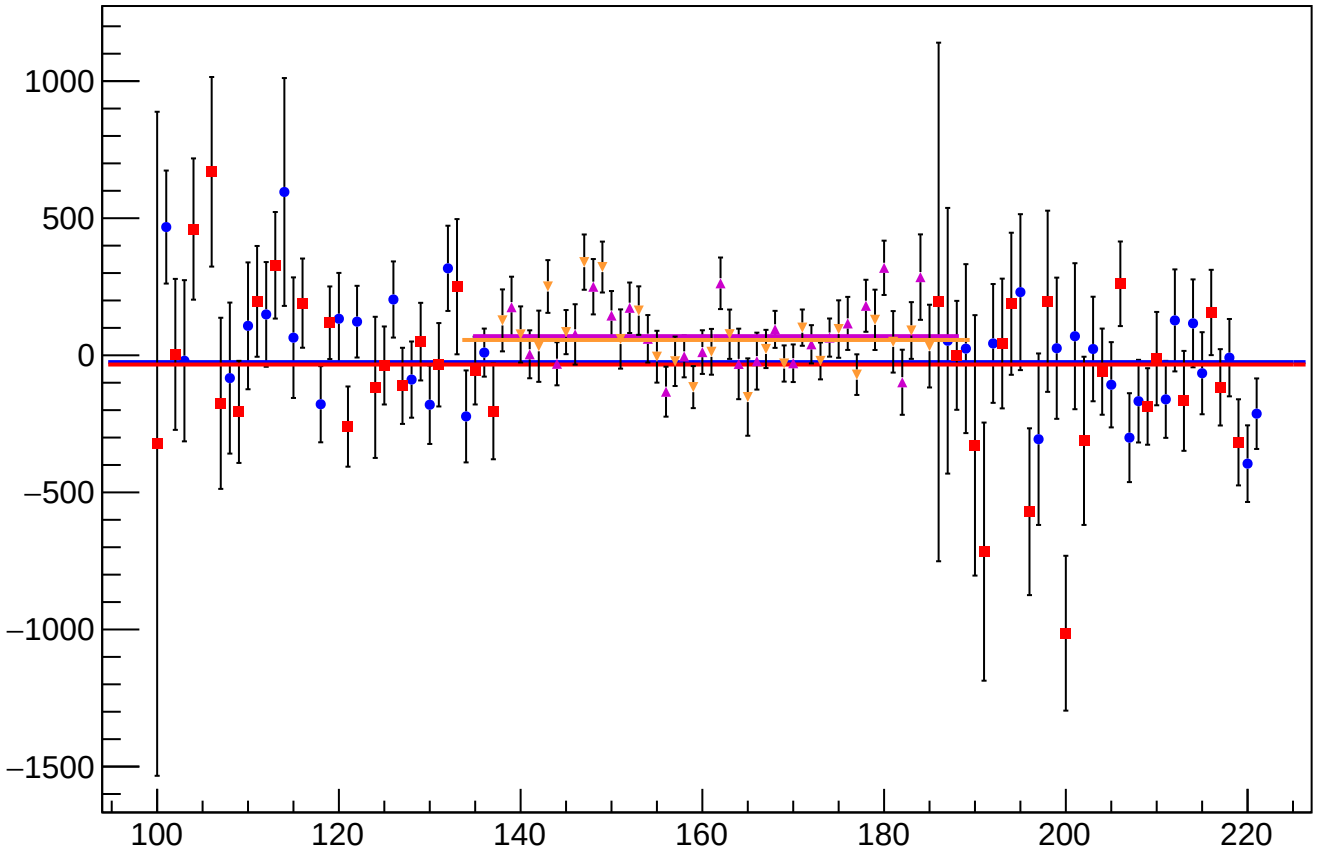
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1439.073+/-0.161 χ^2/NDF: 6603502.0/70

In: 581.687+/-0.076 χ^2/NDF:21186646.6/56

Out: 576.251+/-0.075 χ^2/NDF:22267407.5/61

All: 578.938+/-0.053 χ^2/NDF: 43456654.2/11



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: -33.633+/-31.062 χ^2/NDF: 52.8/36

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

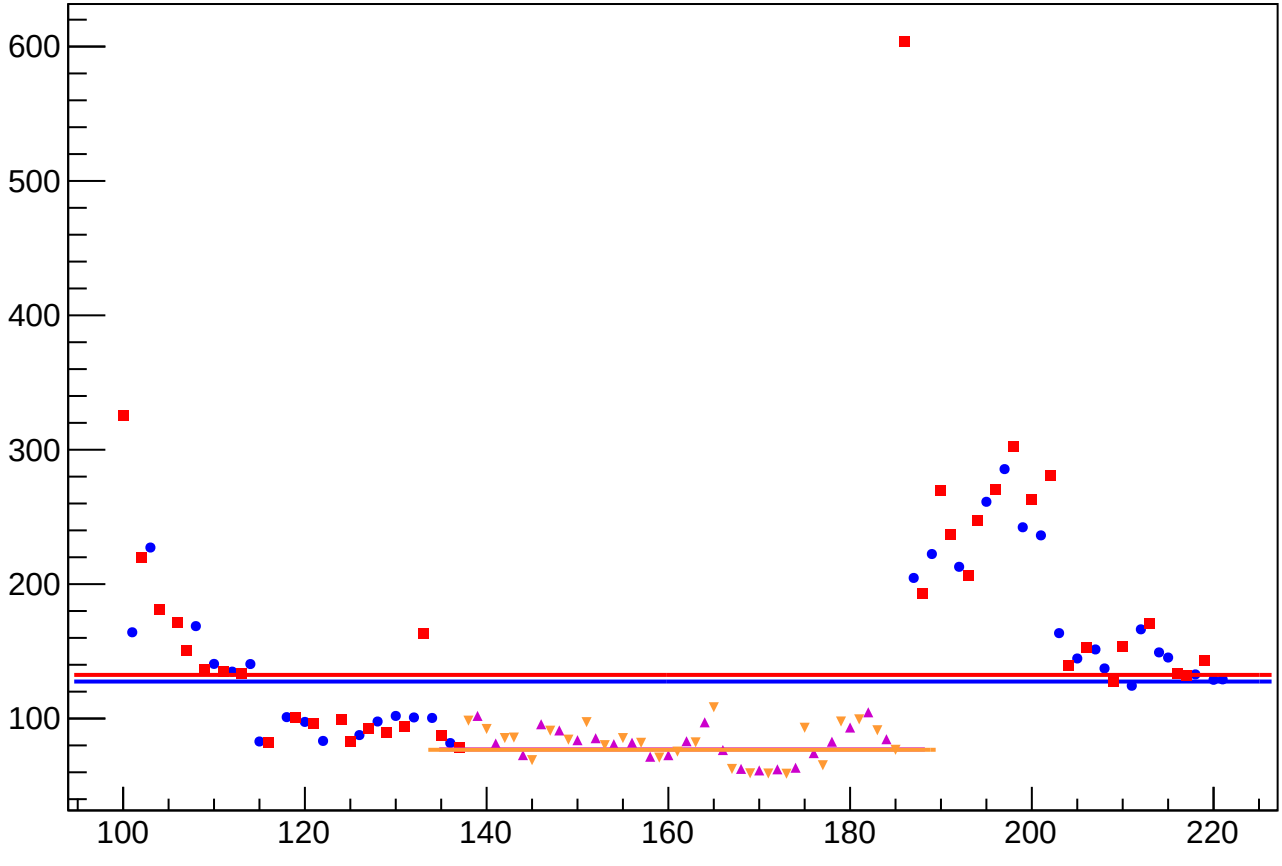
Right: -28.941+/-21.191 χ^2/NDF: 93.7/70

In: 42.435+/-15.592 χ^2/NDF:83.0/56

Out: 33.523+/-15.541 χ^2/NDF:97.4/61

All: 37.965+/-11.007 χ^2/NDF: 180.5/118

eigen_dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 132.460+/-0.022 χ^2/NDF: 5570732.2/36

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

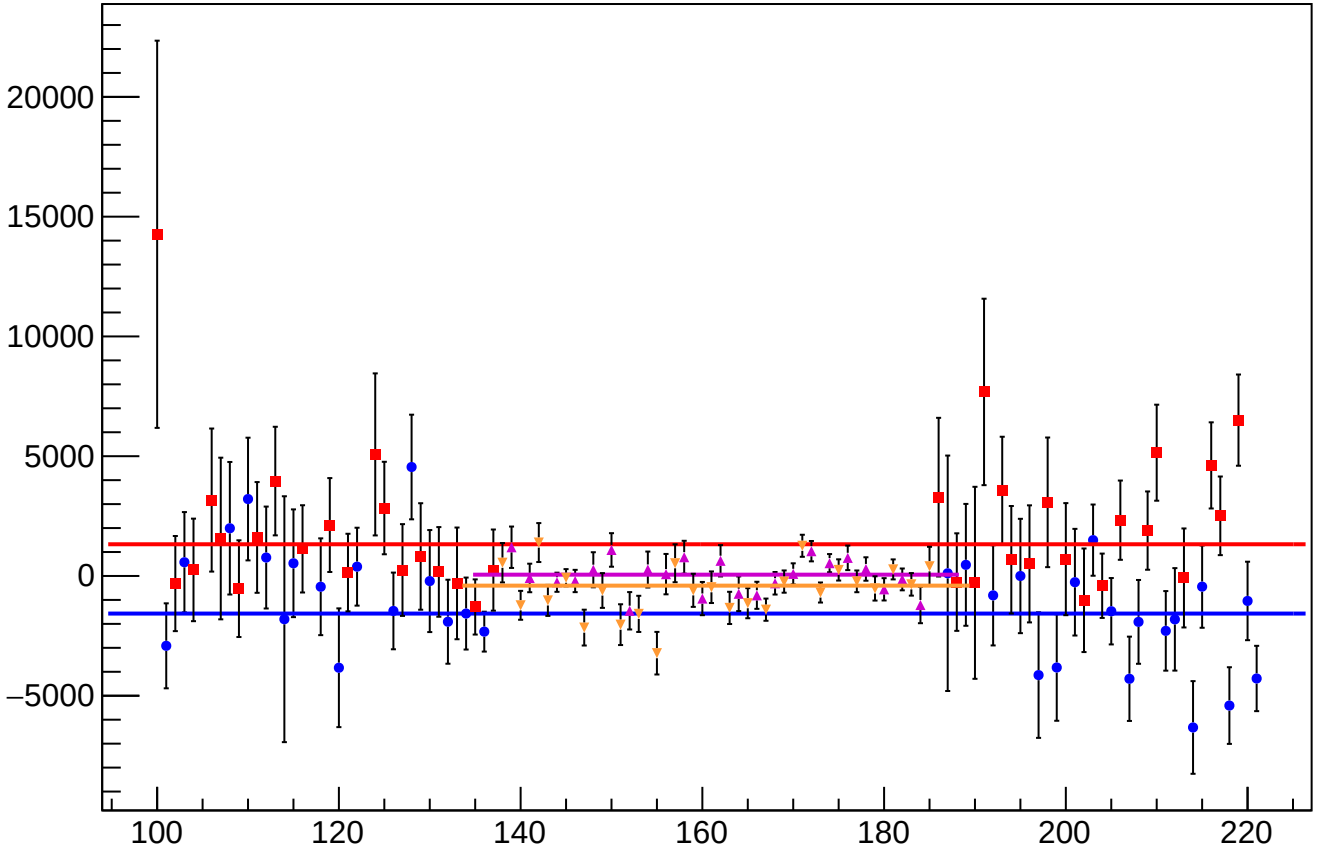
Right: 129.820+/-0.015 χ^2/NDF: 9911907.1/70

In: 91.635+/-0.011 χ^2/NDF:9488452.8/56

Out: 90.691+/-0.011 χ^2/NDF:11629369.7/61

All: 91.162+/-0.008 χ^2/NDF: 21121499.3/118

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1569.615+/-310.638 χ^2/NDF: 47.4/33

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 1323.768+/-334.212 χ^2/NDF: 39.6/36

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

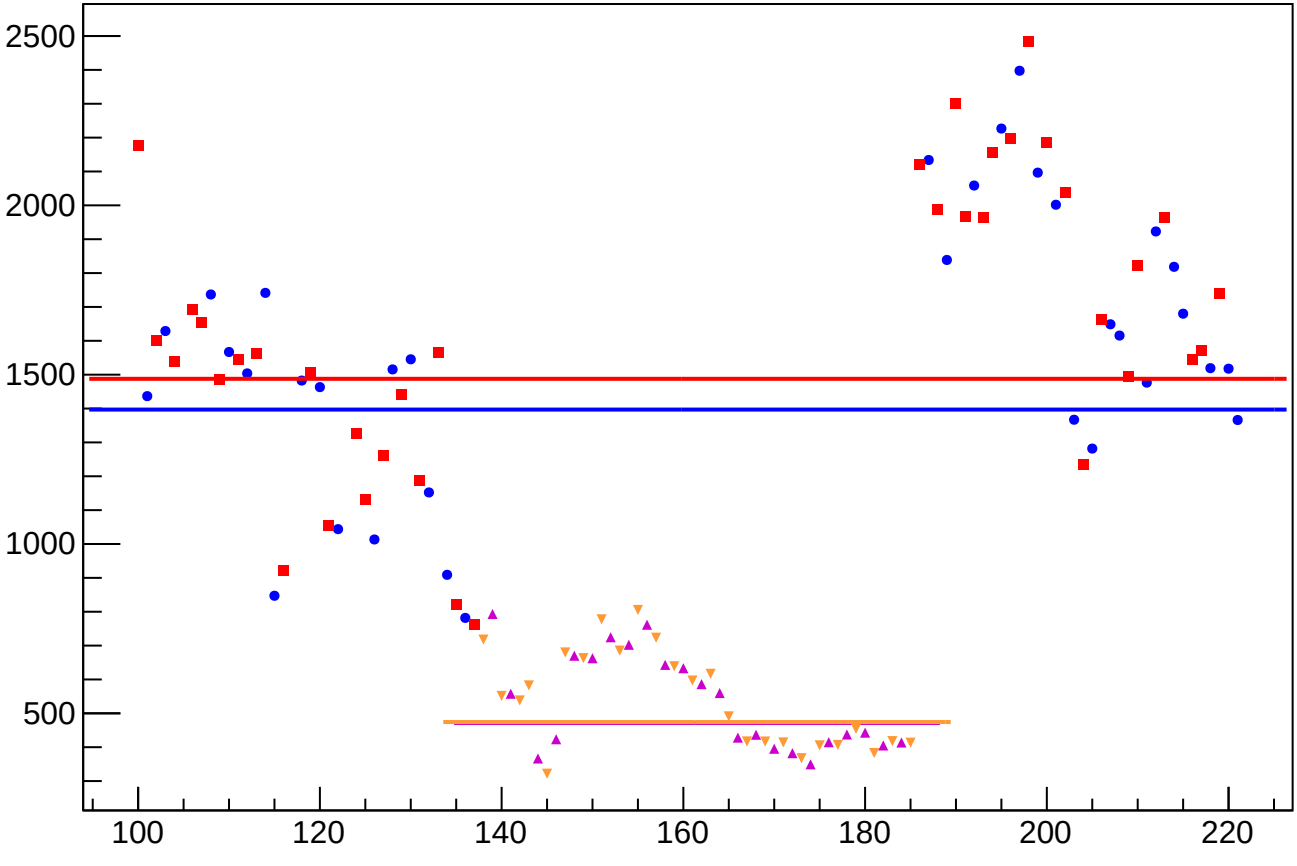
Right: -228.557+/-227.533 χ^2/NDF: 127.2/70

In: -139.209+/-107.205 χ^2/NDF:102.1/56

Out: -229.630+/-106.002 χ^2/NDF:124.4/61

All: -184.930+/-75.377 χ^2/NDF: 226.9/118

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: 1487.816+/-0.236 χ^2/NDF: 3185733.6/36

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

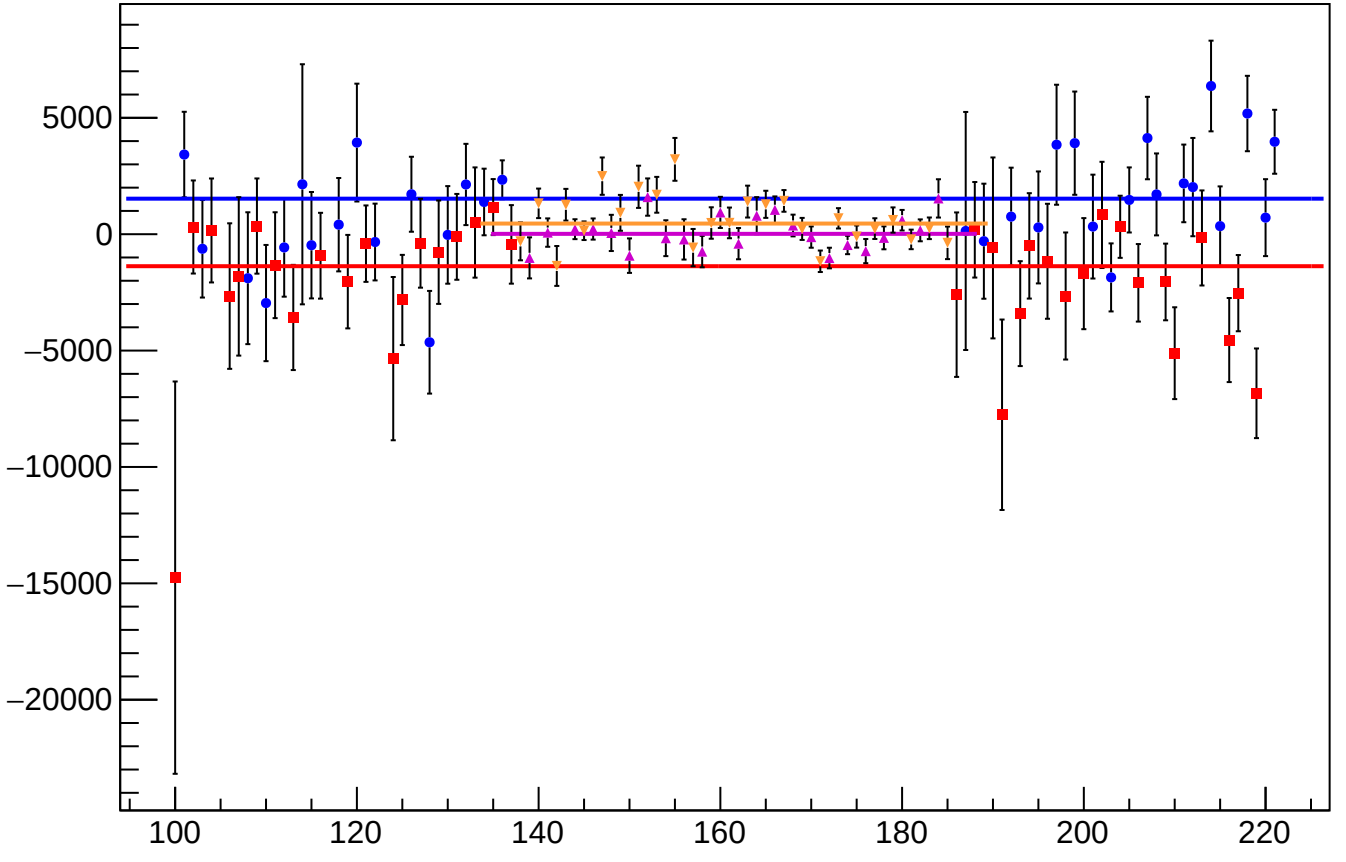
Right: 1439.072+/-0.161 χ^2/NDF: 6603490.4/70

In: 581.687+/-0.076 χ^2/NDF:21186632.3/56

Out: 576.251+/-0.075 χ^2/NDF:22267406.7/61

All: 578.938+/-0.053 χ^2/NDF: 43456639.2/11

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 1526.387+/-310.849 χ^2/NDF: 46.7/33

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -1374.589+/-337.641 χ^2/NDF: 37.0/36

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

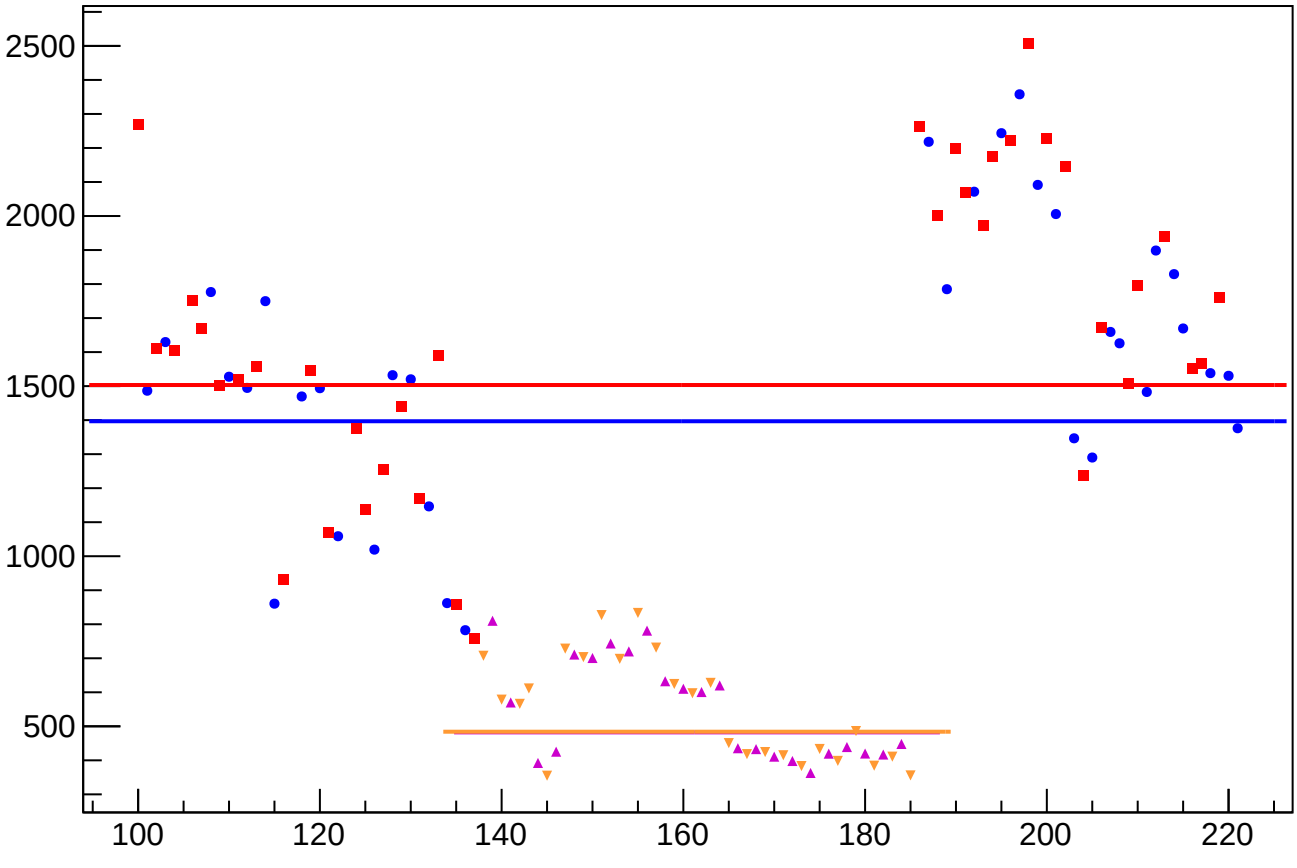
Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

Right: 195.547+/-228.690 χ^2/NDF: 123.6/70

In: 201.785+/-109.255 χ^2/NDF:97.7/56

Out: 268.788+/-108.308 χ^2/NDF:122.8/61

All: 235.578+/-76.918 χ^2/NDF: 220.6/118



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: 1503.225+/-0.239 χ^2/NDF: 3153572.1/36

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

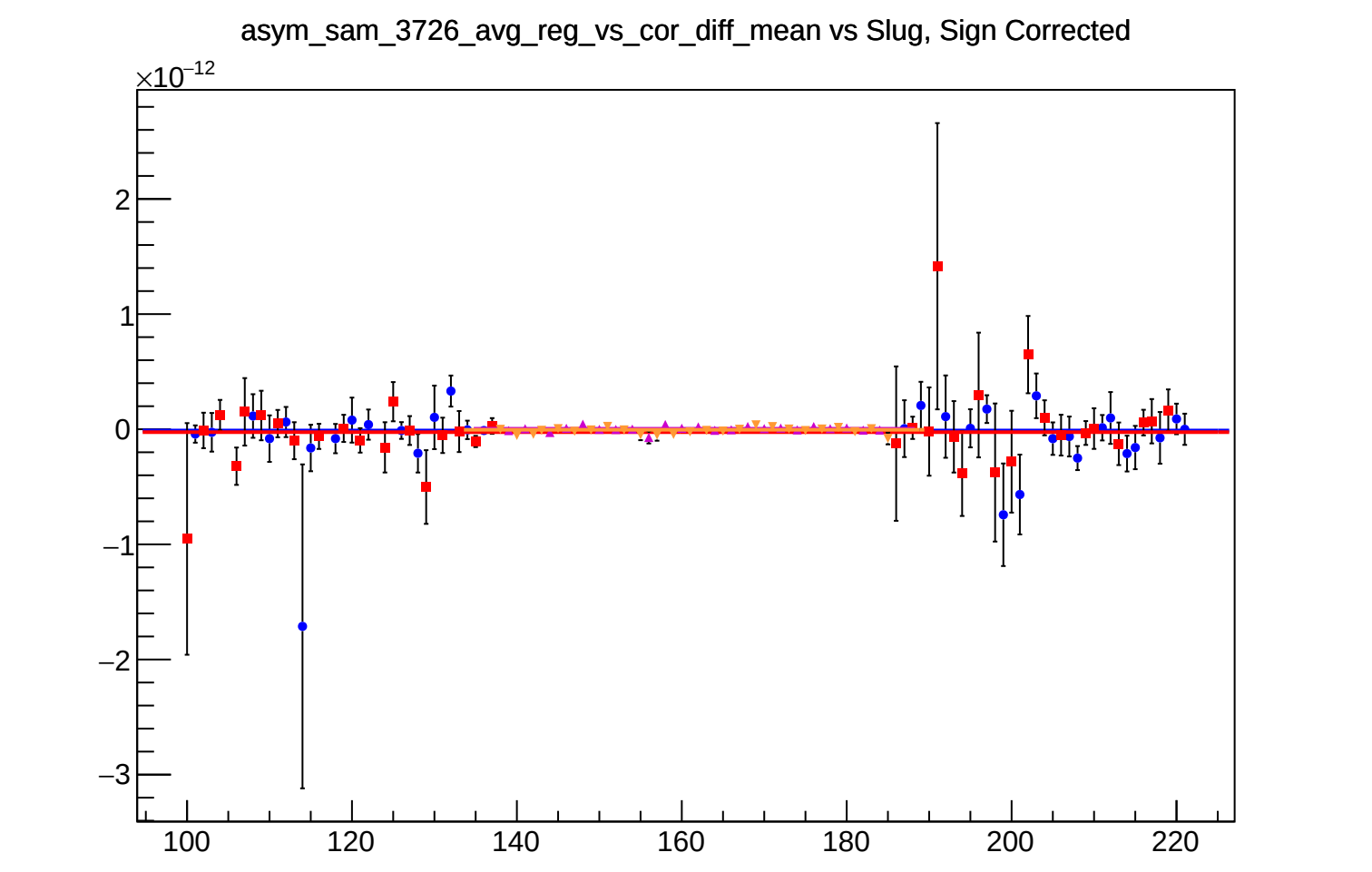
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1445.594+/-0.162 χ^2/NDF: 6638766.0/70

In: 595.141+/-0.077 χ^2/NDF:20738740.0/56

Out: 588.992+/-0.077 χ^2/NDF:22047266.7/61

All: 592.040+/-0.054 χ^2/NDF: 42789201.9/1



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: 26.4/36

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

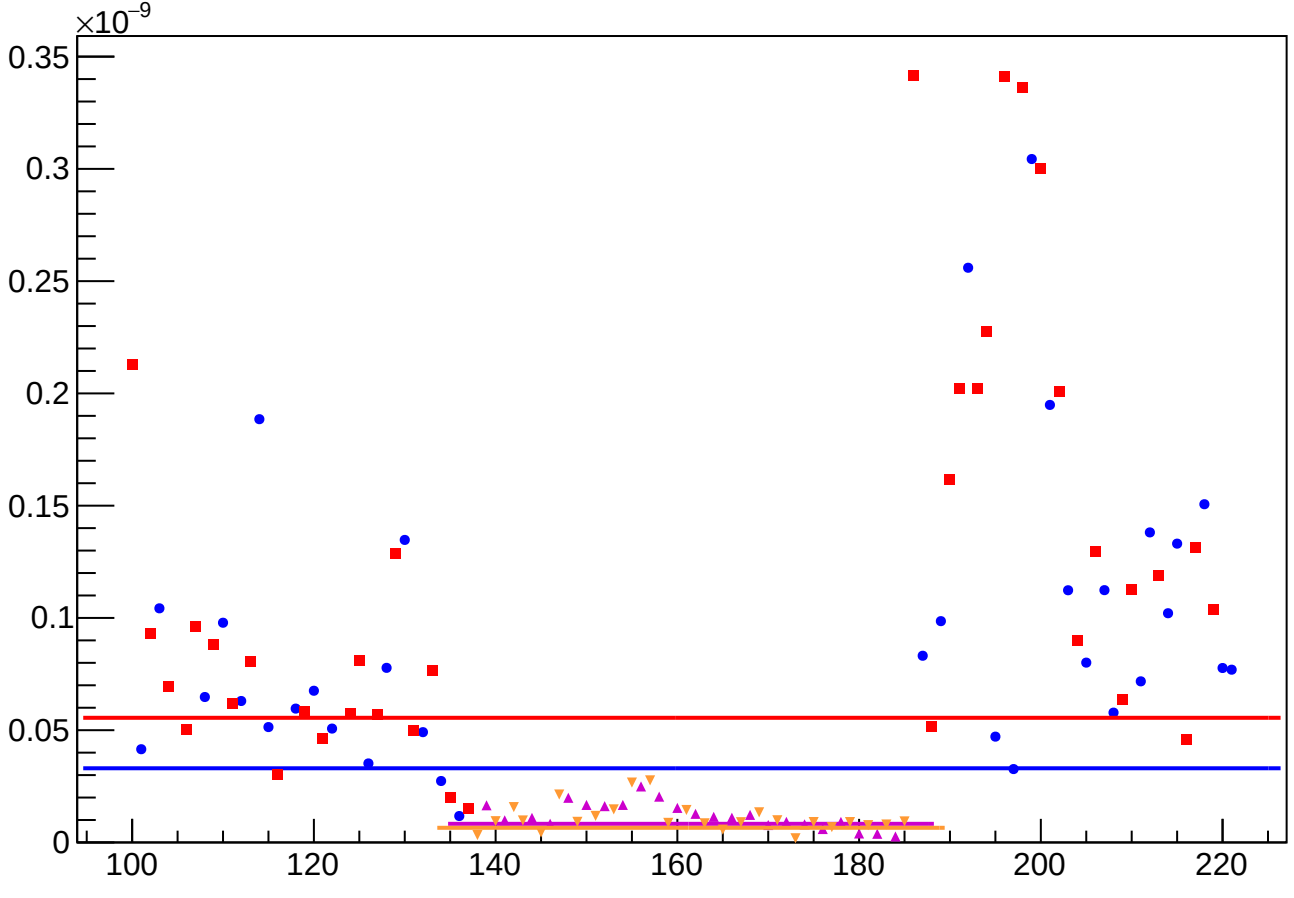
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.6/70

In: 0.000+/-0.000 χ^2/NDF:47.8/56

Out: -0.000+/-0.000 χ^2/NDF:58.3/61

All: -0.000+/-0.000 χ^2/NDF: 109.1/118



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: 7180253.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

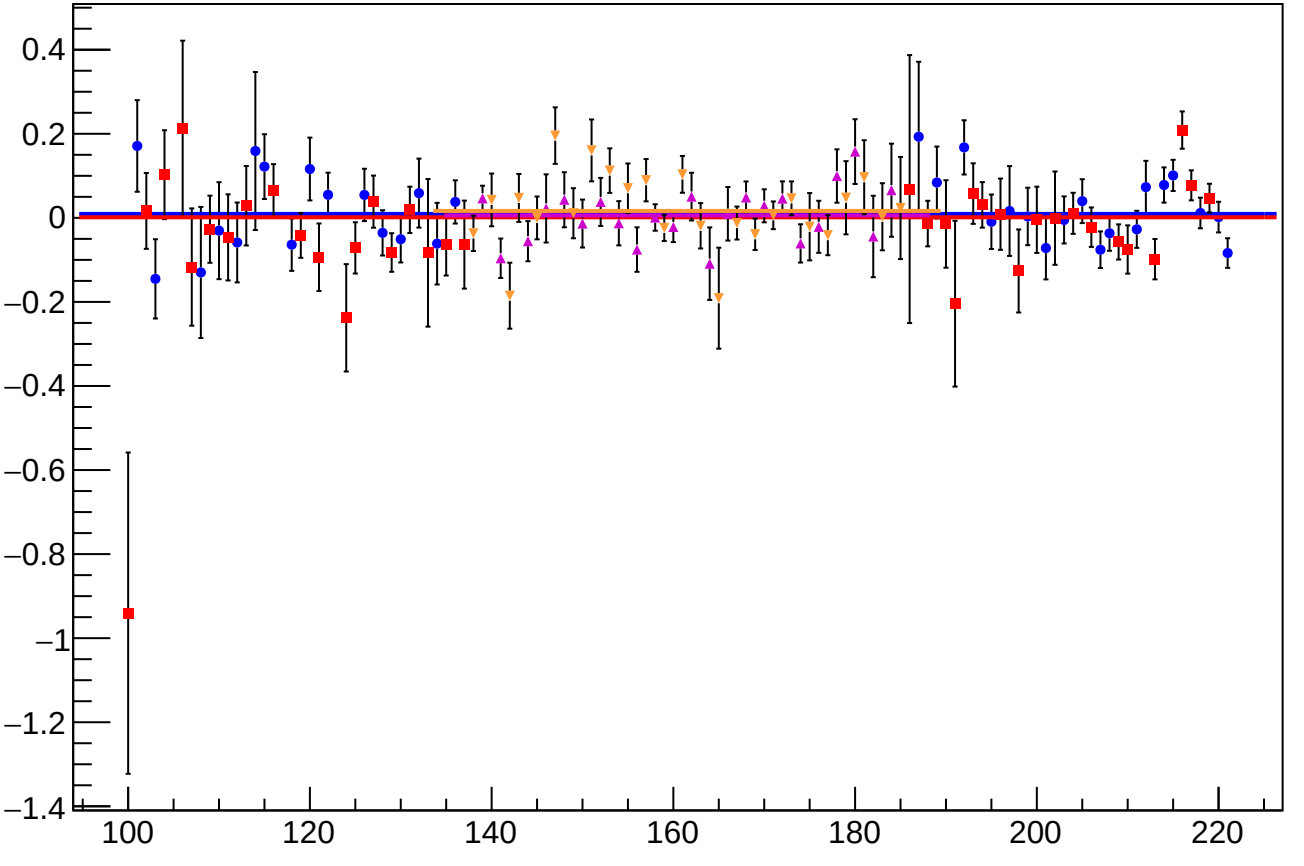
Right: 0.000+/-0.000 χ^2/NDF: 18033177.7/70

In: 0.000+/-0.000 χ^2/NDF:16982407.3/56

Out: 0.000+/-0.000 χ^2/NDF:19810196.0/61

All: 0.000+/-0.000 χ^2/NDF: 37206169.0/118

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: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

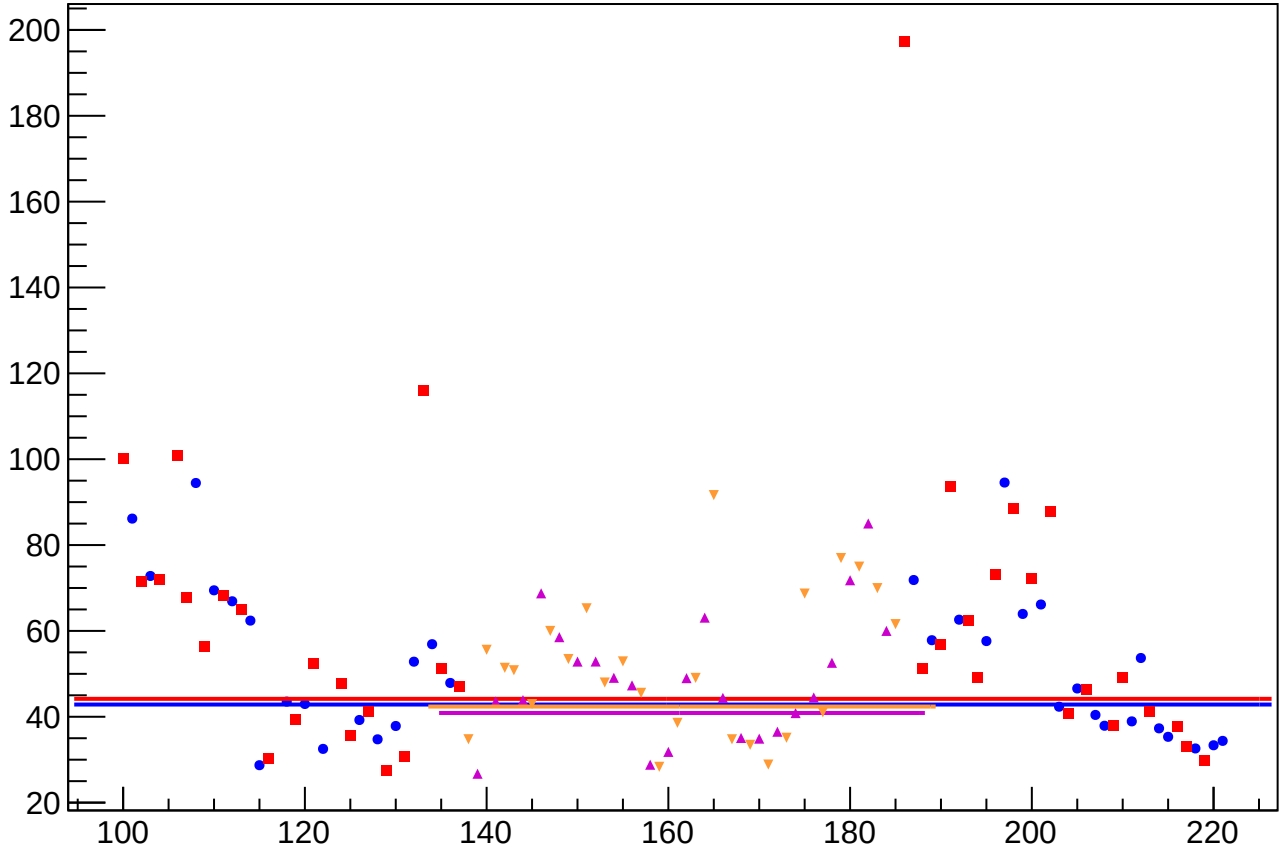
Right: 0.006+/-0.007 χ^2/NDF: 112.1/70

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.008+/-0.005 χ^2/NDF: 180.0/118

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: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

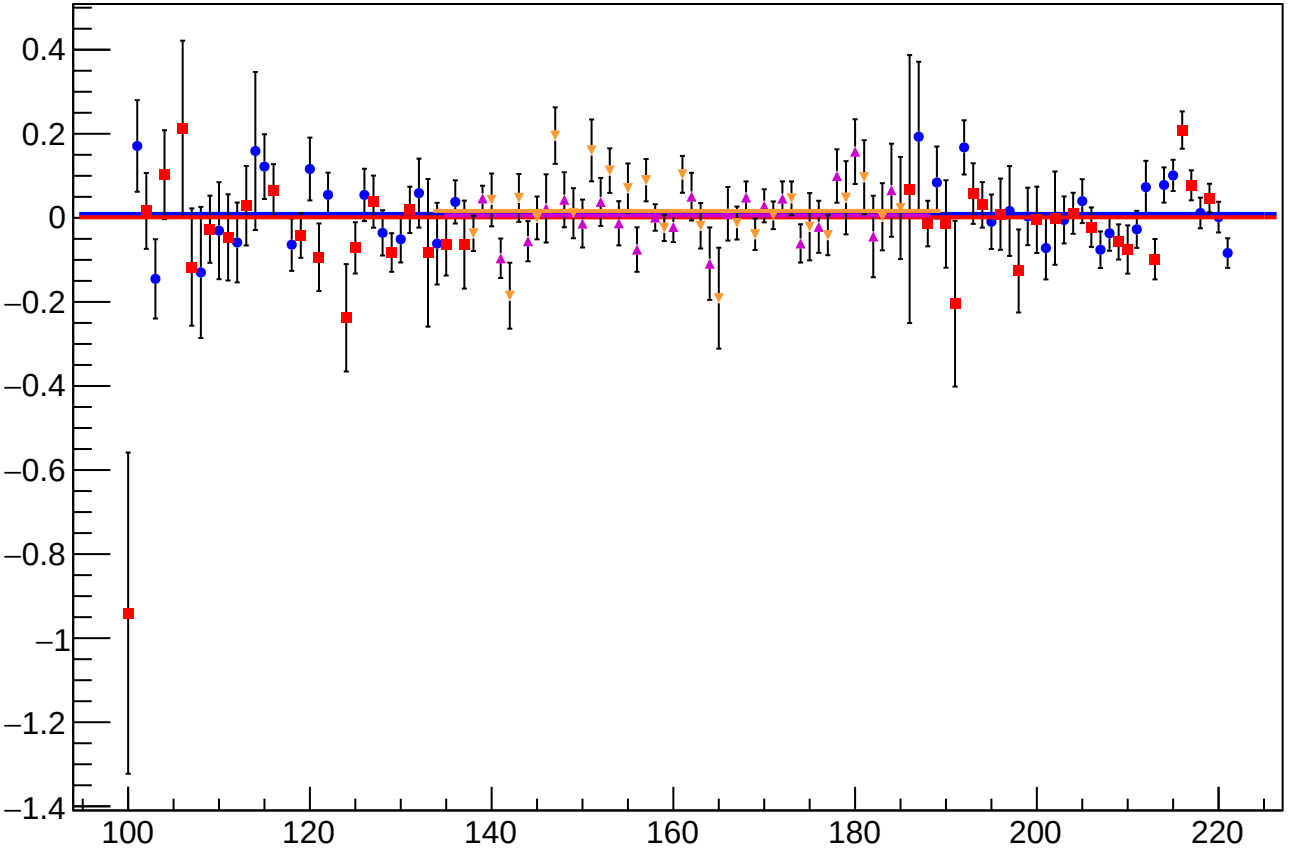
Right: 43.467+/-0.005 χ^2/NDF: 7623040.8/70

In: 41.905+/-0.005 χ^2/NDF:5918915.4/56

Out: 43.257+/-0.005 χ^2/NDF:7624349.2/61

All: 42.555+/-0.004 χ^2/NDF: 13577943.0/118

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: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

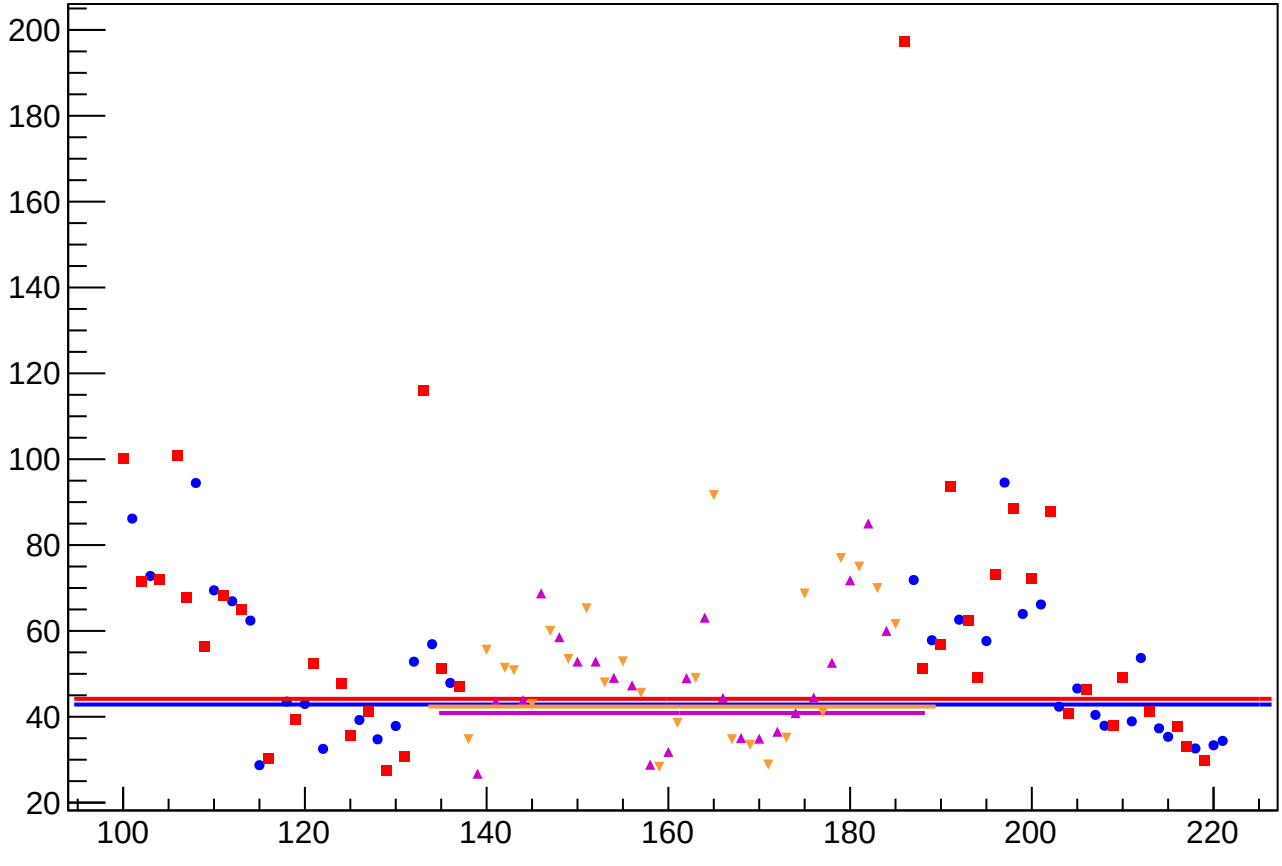
Right: 0.006+/-0.007 χ^2/NDF: 112.1/70

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.008+/-0.005 χ^2/NDF: 180.0/118

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: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

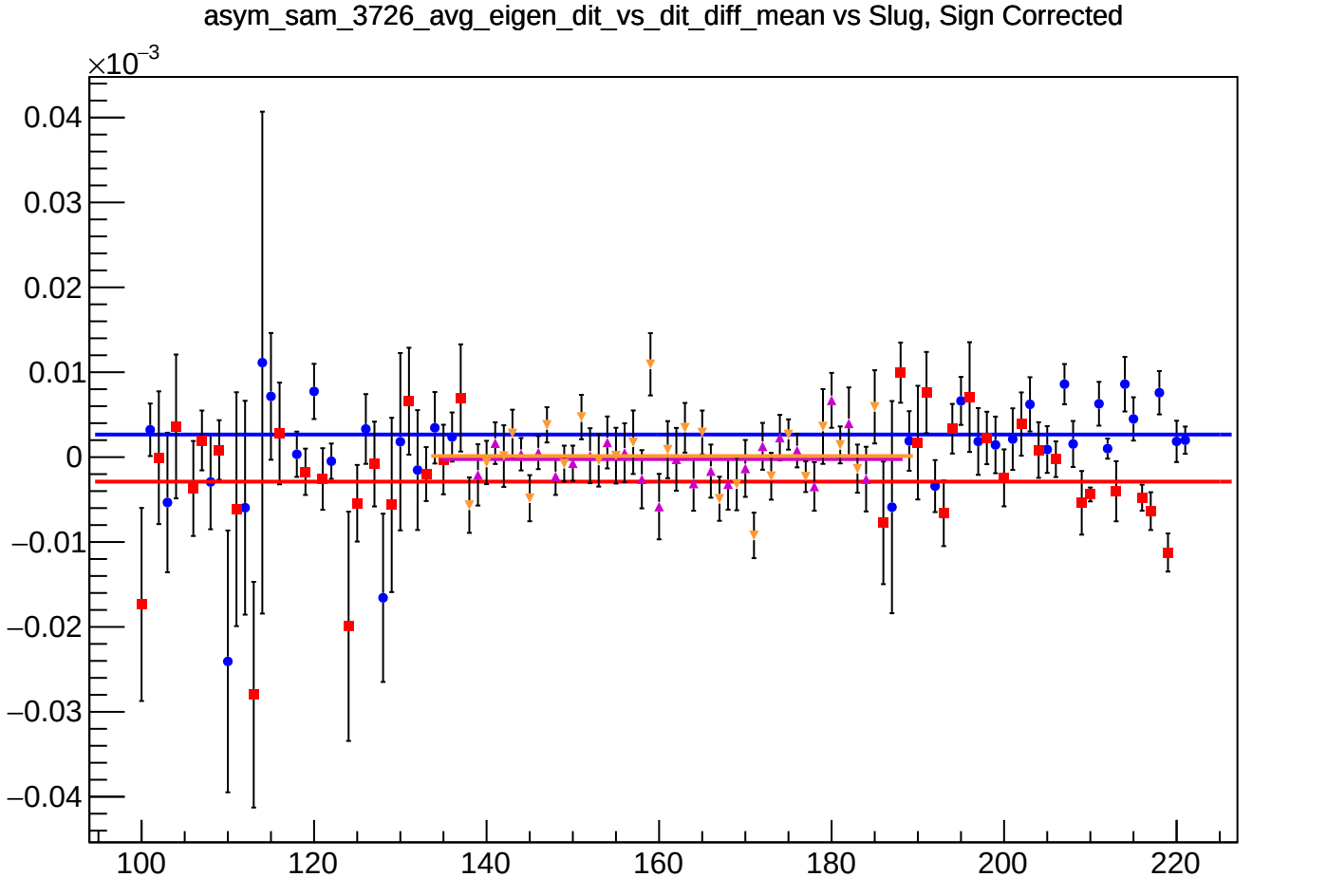
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 43.467+/-0.005 χ^2/NDF: 7623040.8/70

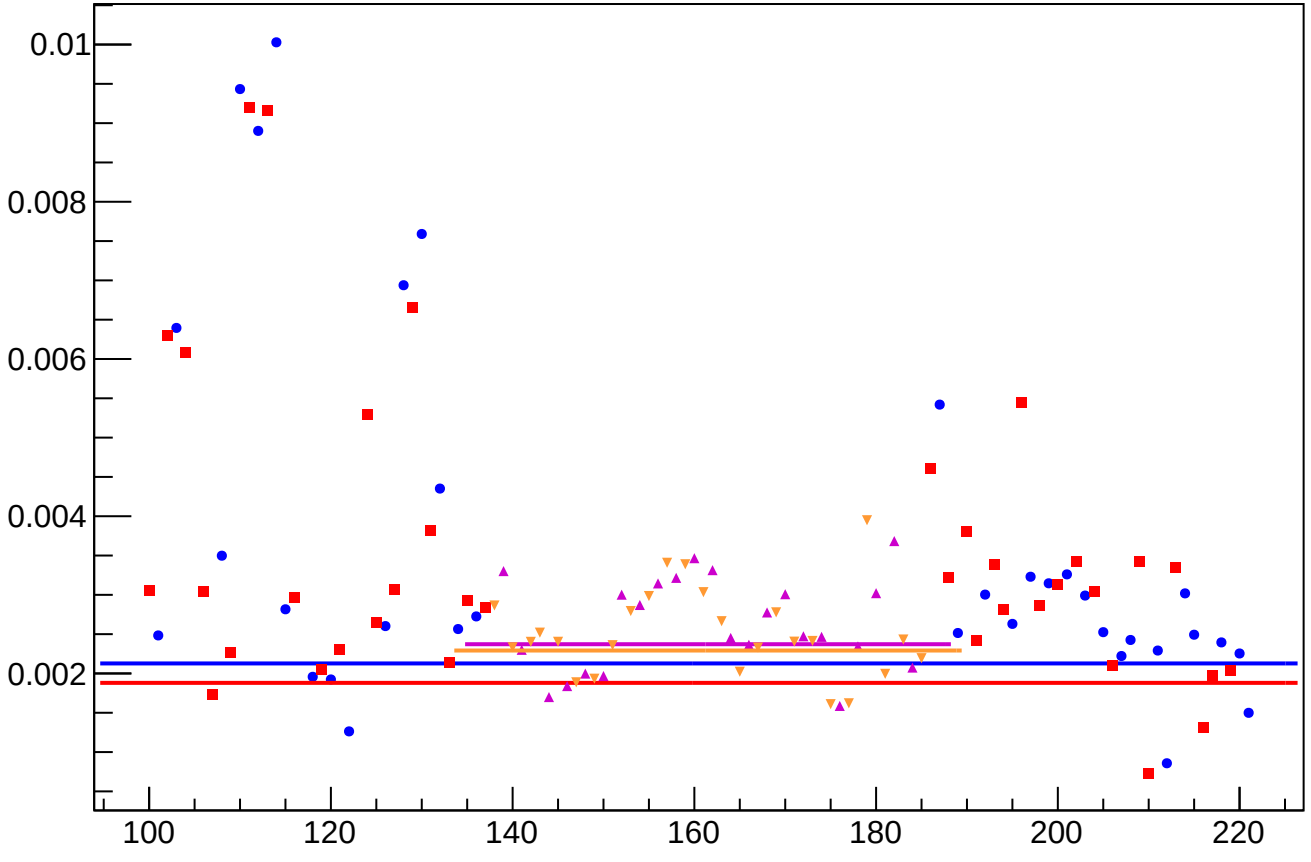
In: 41.905+/-0.005 χ^2/NDF:5918915.4/56

Out: 43.257+/-0.005 χ^2/NDF:7624349.2/61

All: 42.555+/-0.004 χ^2/NDF: 13577943.0/118


asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.03
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: 42.1/33
Left Out: 0.000+/-0.000 χ²/NDF:49.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 74.8/36
Left In: -0.000+/-0.000 χ²/NDF:15.8/22
Left: -0.000+/-0.000 χ²/NDF: 66.0/47
Right: -0.000+/-0.000 χ²/NDF: 178.7/70
In: 0.000+/-0.000 χ²/NDF:72.0/56
Out: -0.000+/-0.000 χ²/NDF:142.0/61
All: -0.000+/-0.000 χ²/NDF: 244.8/118

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: 11554085.0/36

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

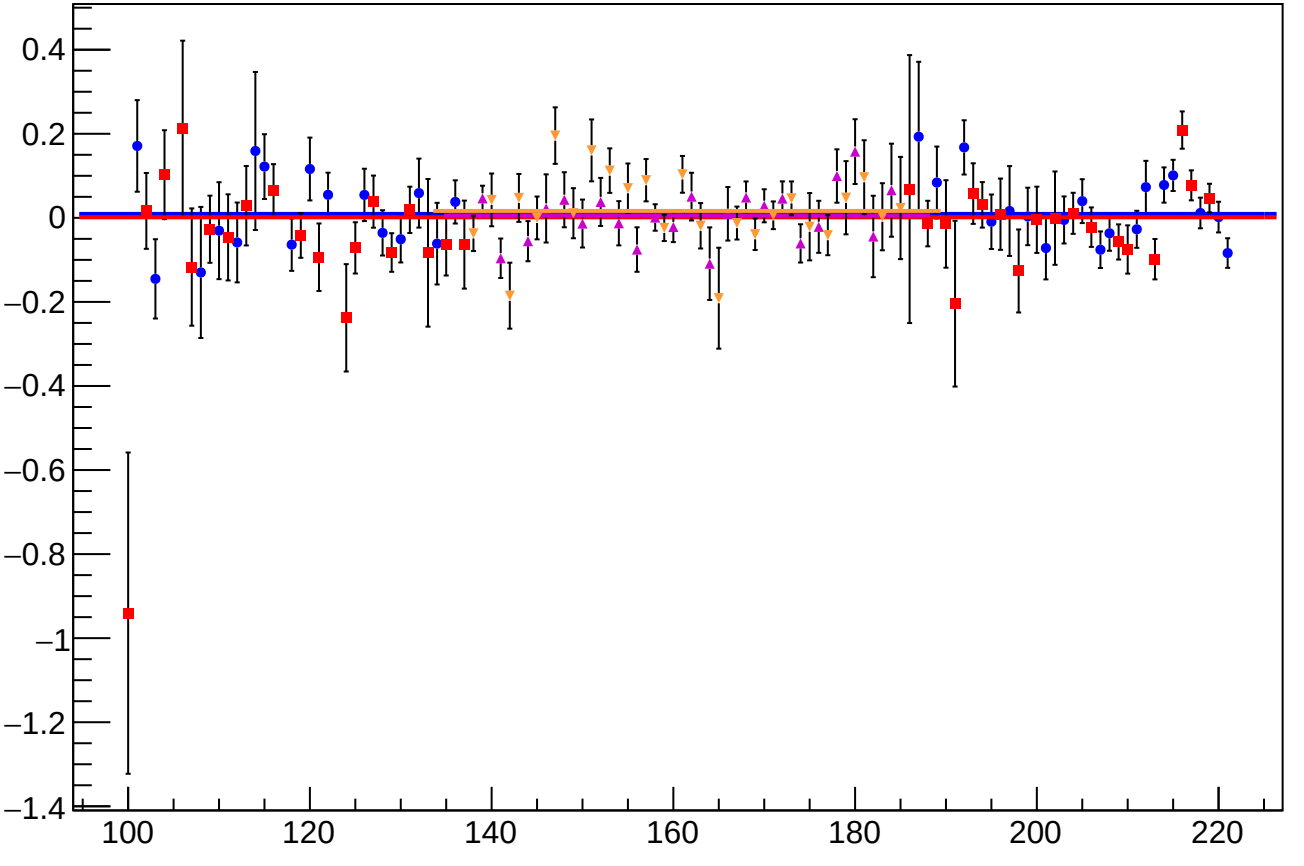
Right: 0.002+/-0.000 χ^2/NDF: 19357180.1/70

In: 0.002+/-0.000 χ^2/NDF:9779453.4/56

Out: 0.002+/-0.000 χ^2/NDF:14017006.8/61

All: 0.002+/-0.000 χ^2/NDF: 24002039.2/118

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: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

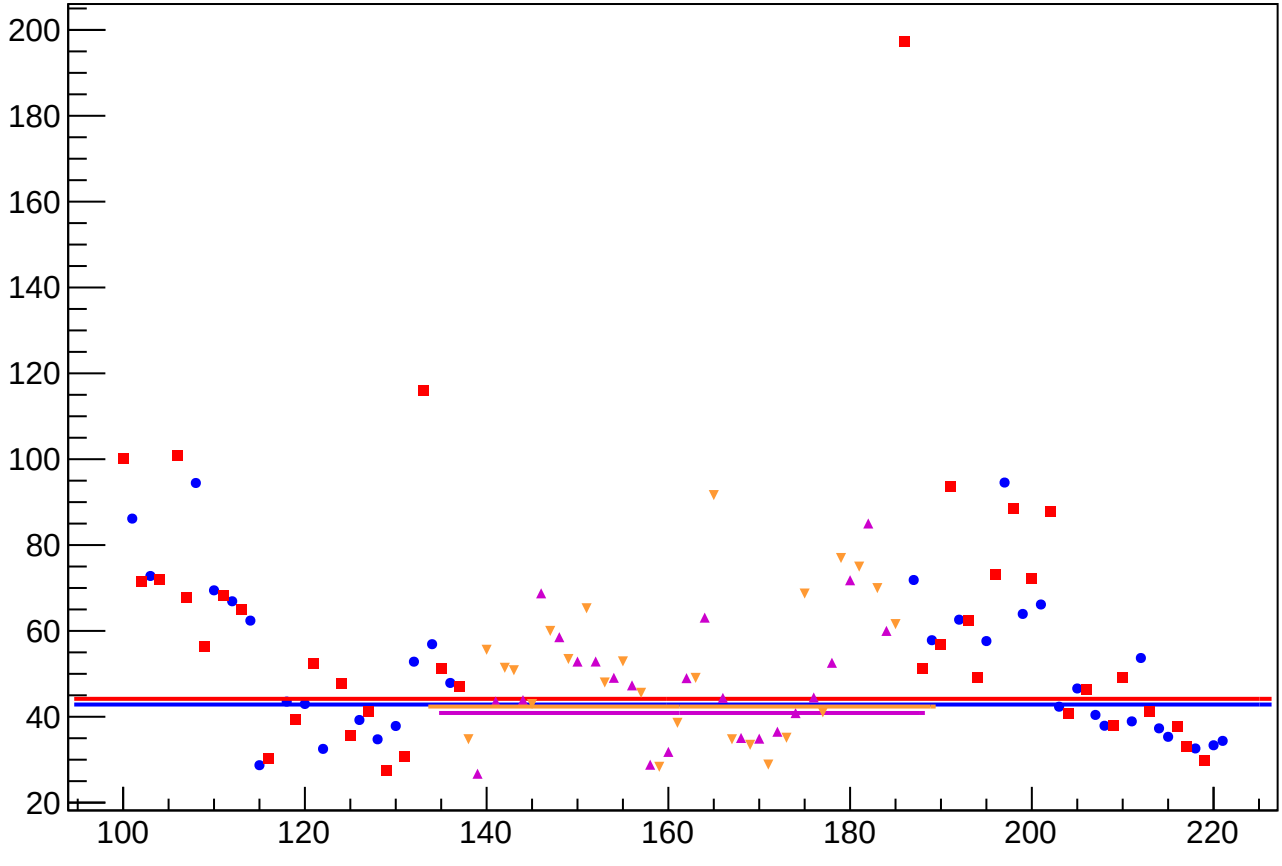
Right: 0.006+/-0.007 χ^2/NDF: 112.1/70

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.008+/-0.005 χ^2/NDF: 180.0/118

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: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

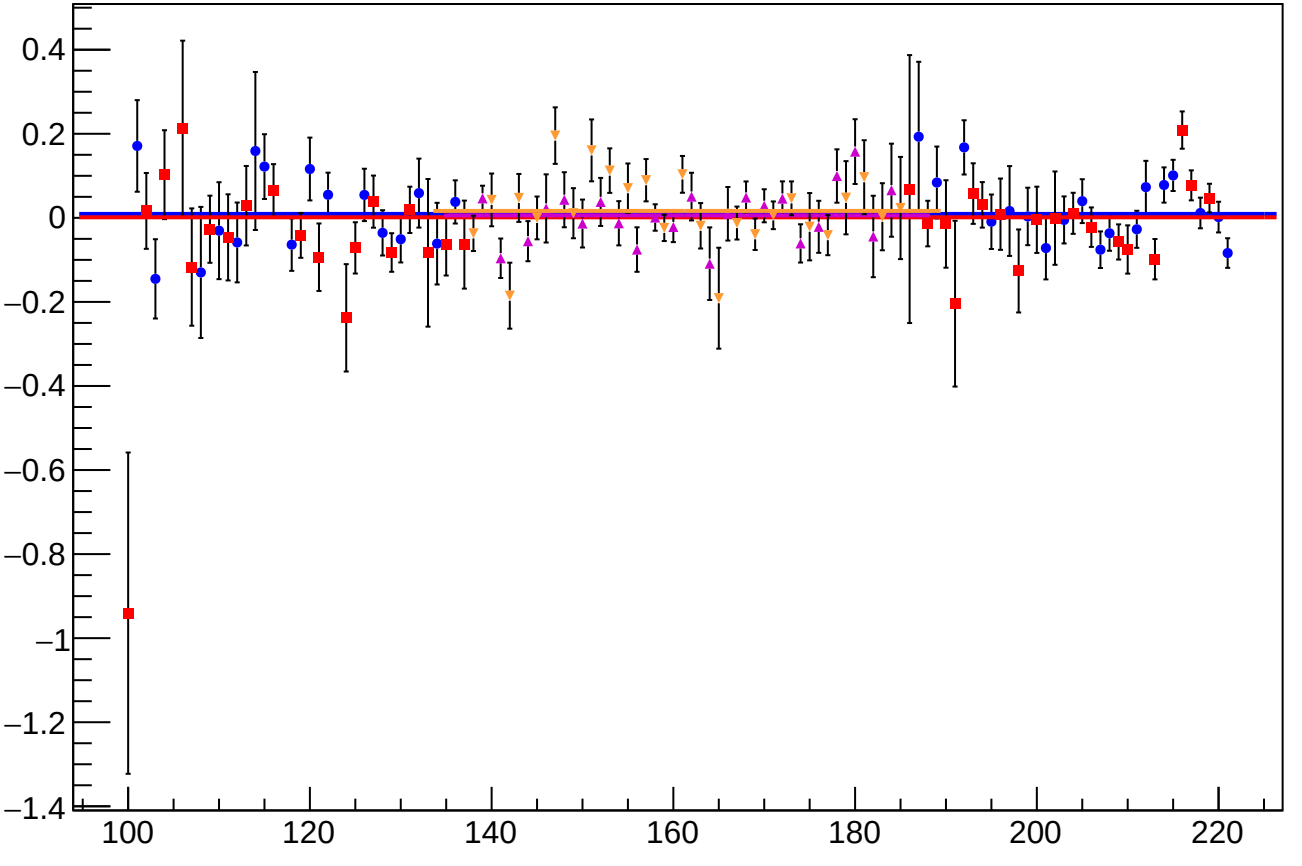
Right: 43.467+/-0.005 χ^2/NDF: 7622927.9/70

In: 41.905+/-0.005 χ^2/NDF:5918859.0/56

Out: 43.257+/-0.005 χ^2/NDF:7624316.6/61

All: 42.555+/-0.004 χ^2/NDF: 13577851.1/118

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: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

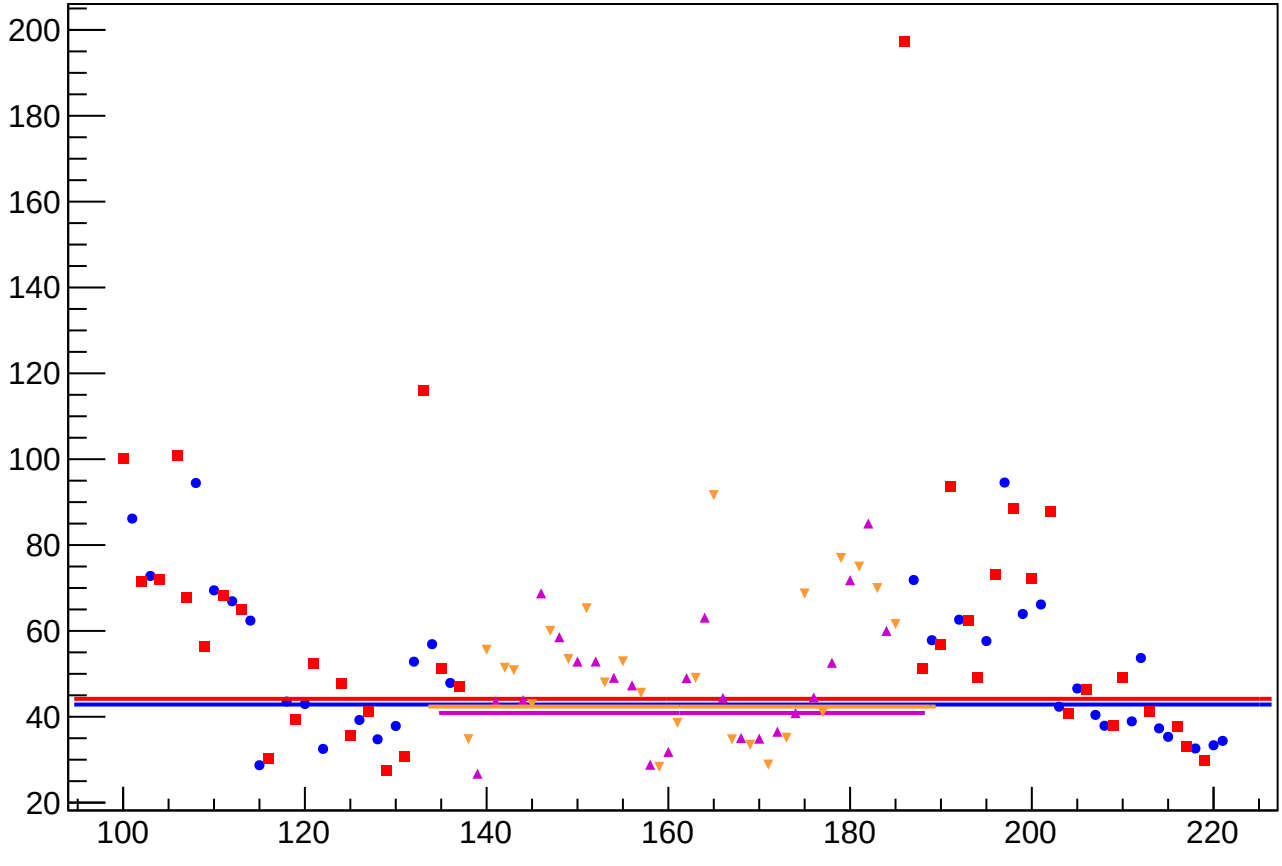
Right: 0.006+/-0.007 χ^2/NDF: 112.1/70

In: 0.008+/-0.007 χ^2/NDF:75.0/56

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.008+/-0.005 χ^2/NDF: 180.0/118

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: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

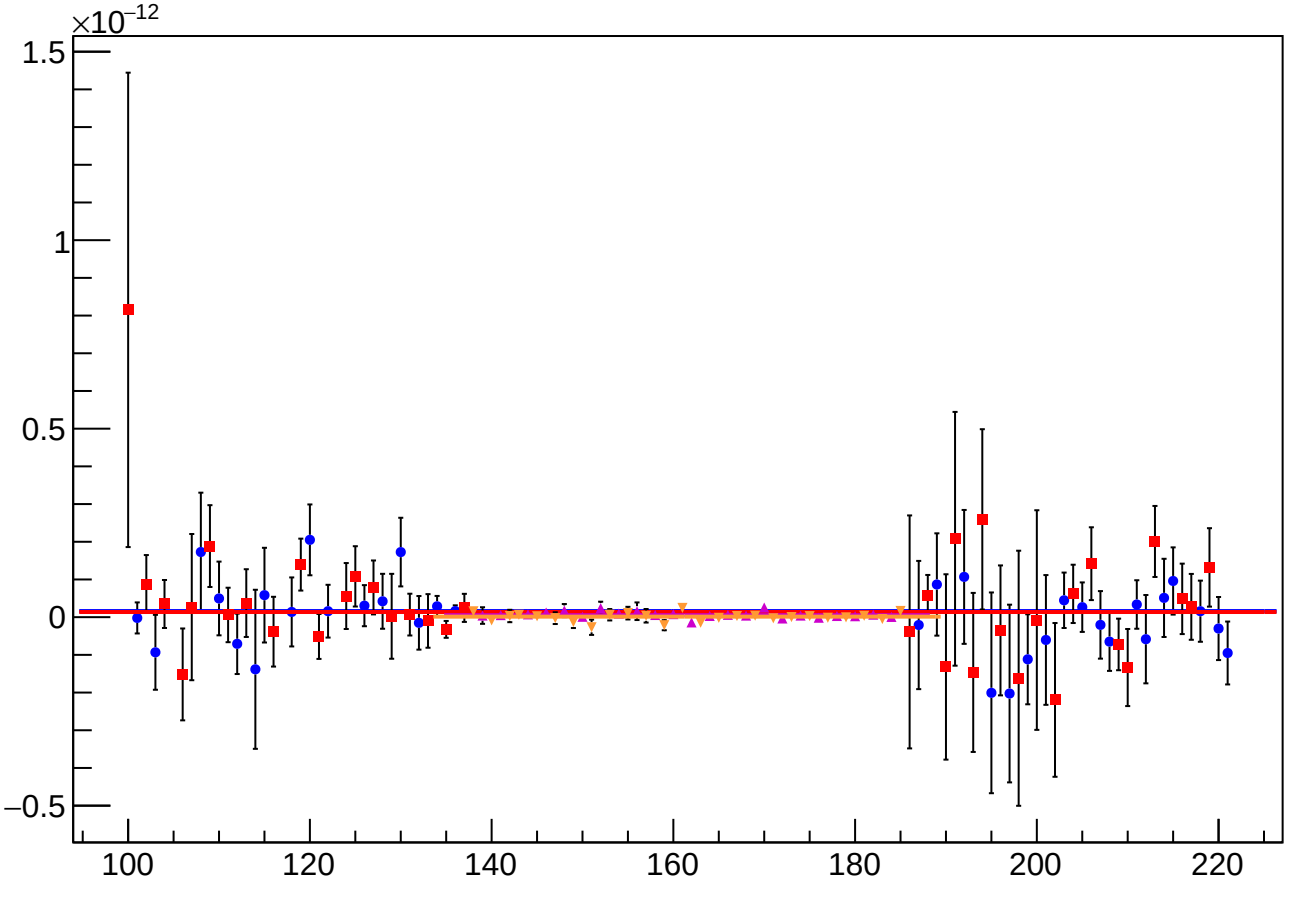
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 43.467+/-0.005 χ^2/NDF: 7622927.9/70

In: 41.905+/-0.005 χ^2/NDF:5918859.0/56

Out: 43.257+/-0.005 χ^2/NDF:7624316.6/61

All: 42.555+/-0.004 χ^2/NDF: 13577851.1/118



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: 34.8/36

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

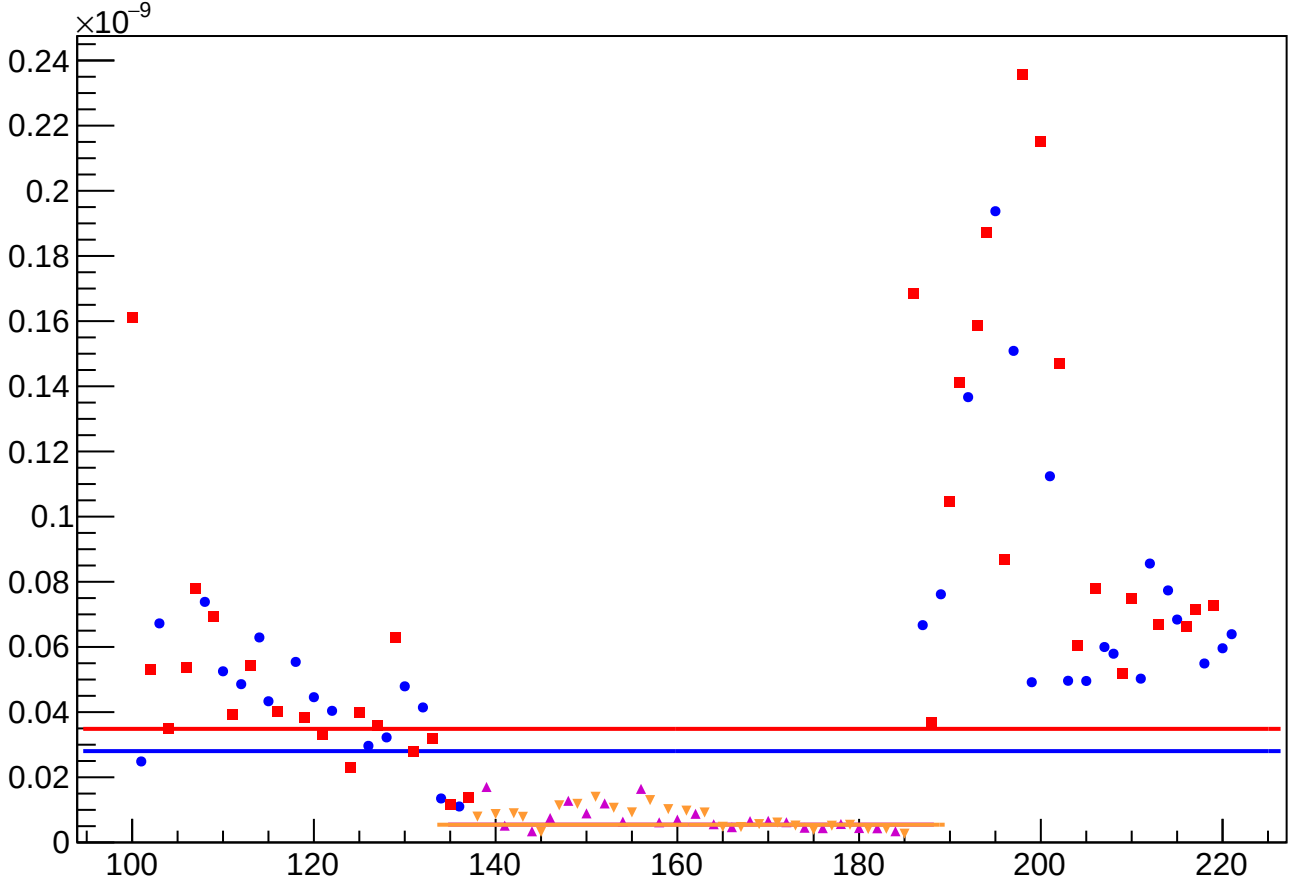
Right: 0.000+/-0.000 χ^2/NDF: 55.1/70

In: 0.000+/-0.000 χ^2/NDF:34.6/56

Out: 0.000+/-0.000 χ^2/NDF:55.5/61

All: 0.000+/-0.000 χ^2/NDF: 92.5/118

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: 10251397.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

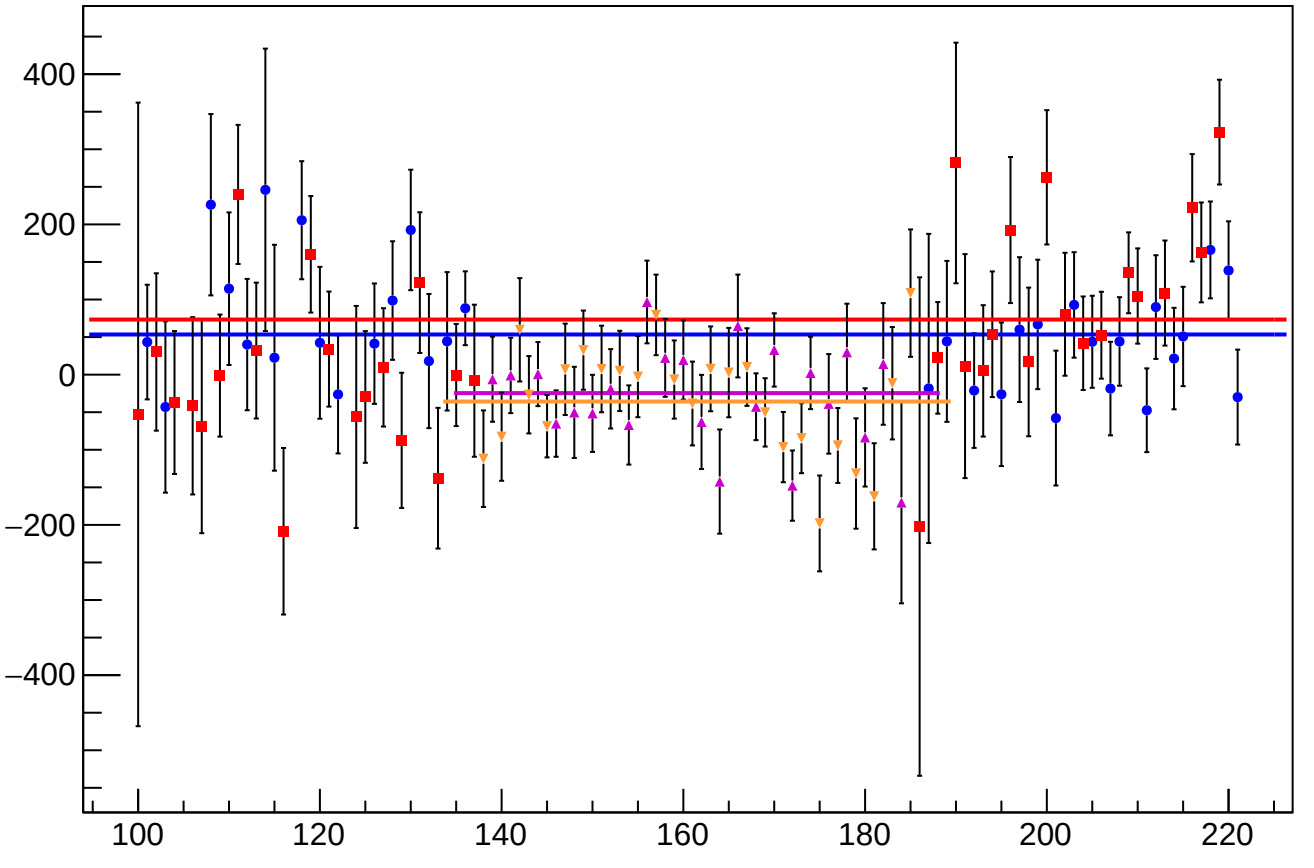
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 21361309.4/70

In: 0.000+/-0.000 χ^2/NDF:23332844.1/56

Out: 0.000+/-0.000 χ^2/NDF:25647909.7/61

All: 0.000+/-0.000 χ^2/NDF: 48986996.8/118



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: 73.359+/-13.930 χ^2/NDF: 60.2/36

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

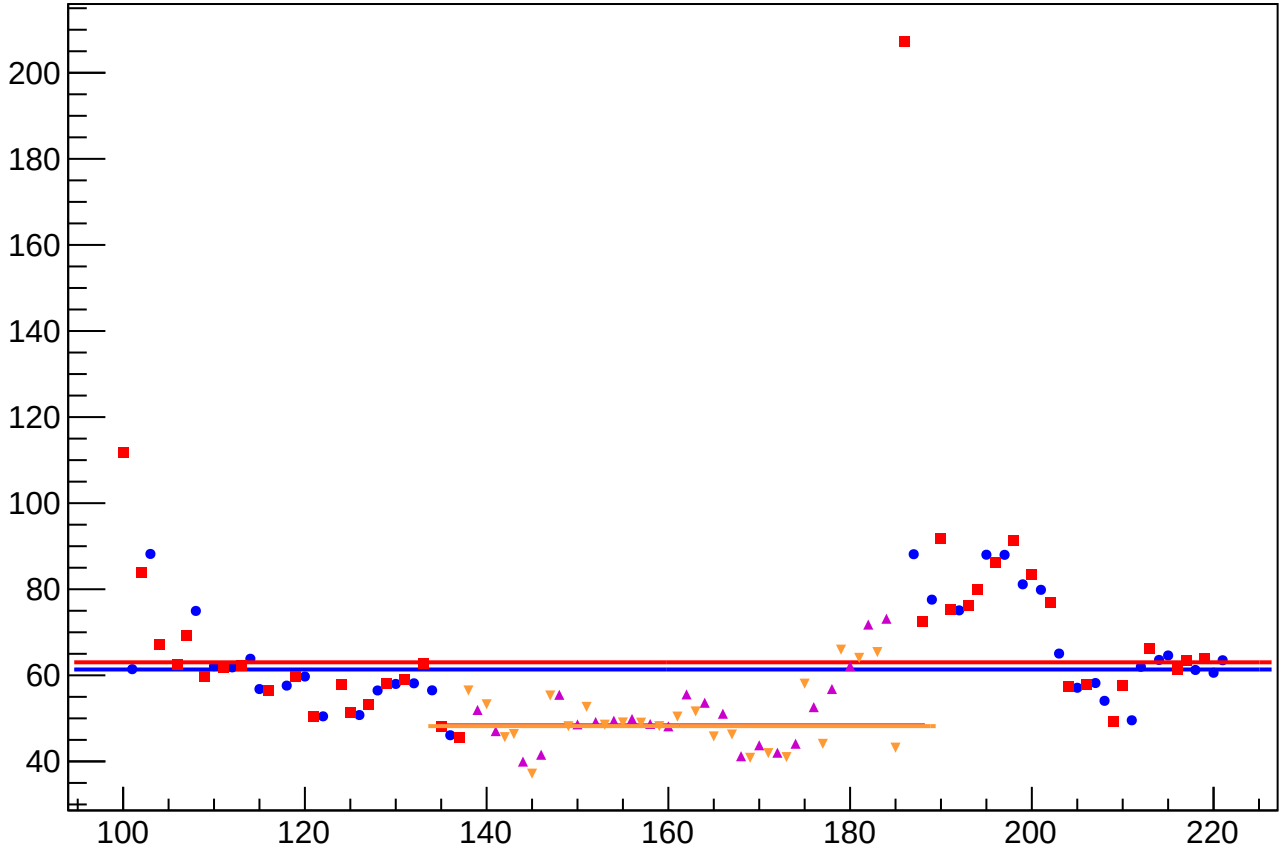
Right: 62.961+/-9.623 χ^2/NDF: 89.6/70

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 6.691+/-8.690 χ^2/NDF:131.4/61

All: 7.694+/-6.144 χ^2/NDF: 205.3/118

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: 63.024+/-0.010 χ^2/NDF: 1654260.4/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

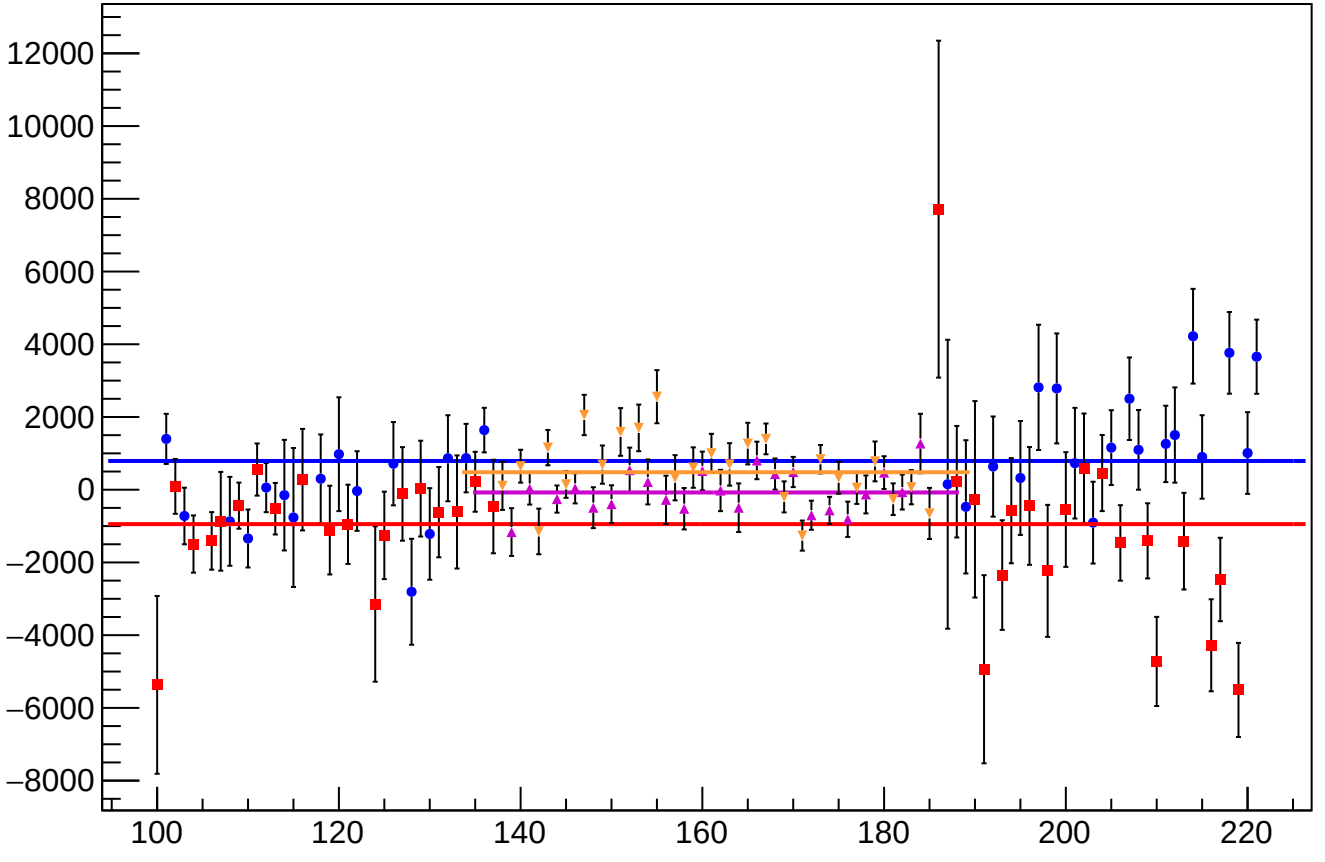
Right: 62.152+/-0.007 χ^2/NDF: 2892653.8/70

In: 53.912+/-0.006 χ^2/NDF:3009805.0/56

Out: 53.968+/-0.006 χ^2/NDF:3818253.5/61

All: 53.940+/-0.004 χ^2/NDF: 6828100.3/118

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: -946.209+/-187.108 χ^2/NDF: 58.6/36

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

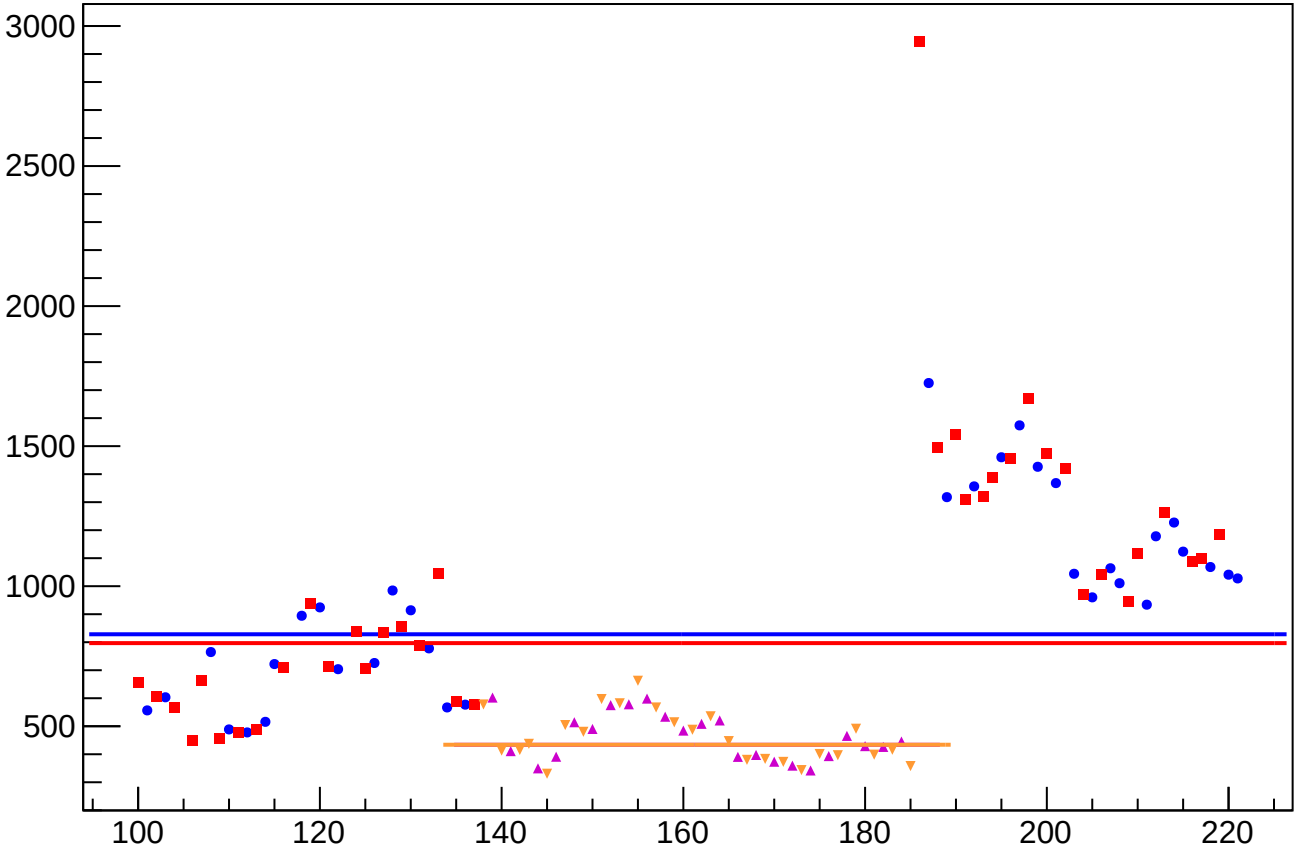
Right: -80.335+/-132.477 χ^2/NDF: 159.5/70

In: 125.248+/-90.372 χ^2/NDF:98.8/56

Out: 160.707+/-88.554 χ^2/NDF:173.0/61

All: 143.338+/-63.250 χ^2/NDF: 271.8/118

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: 796.771+/-0.132 χ^2/NDF: 6537990.6/36

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

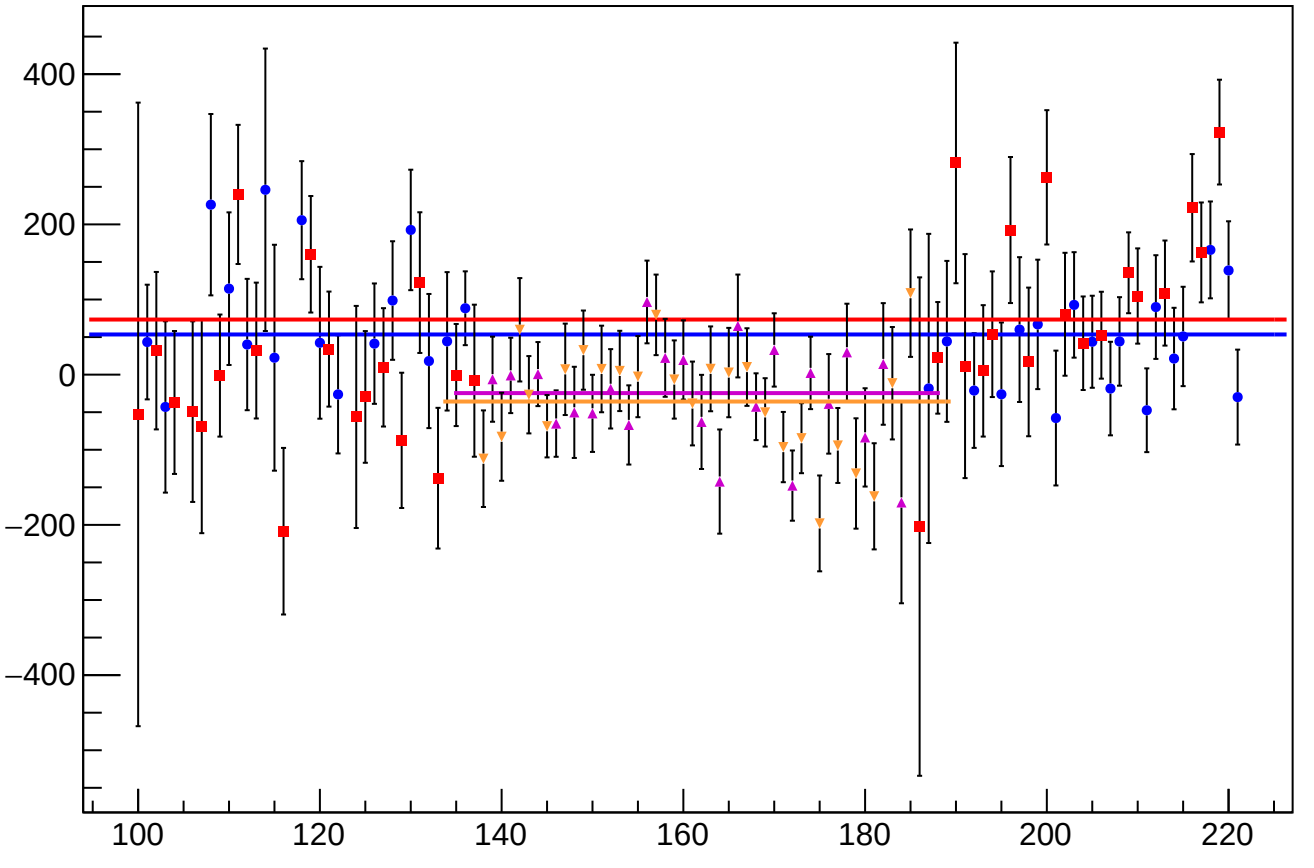
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 812.516+/-0.094 χ^2/NDF: 11397900.3/70

In: 525.305+/-0.064 χ^2/NDF:12722562.4/56

Out: 515.215+/-0.063 χ^2/NDF:13617571.0/61

All: 520.158+/-0.045 χ^2/NDF: 26352850.9/1



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: 73.343+/-13.934 χ^2/NDF: 60.3/36

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

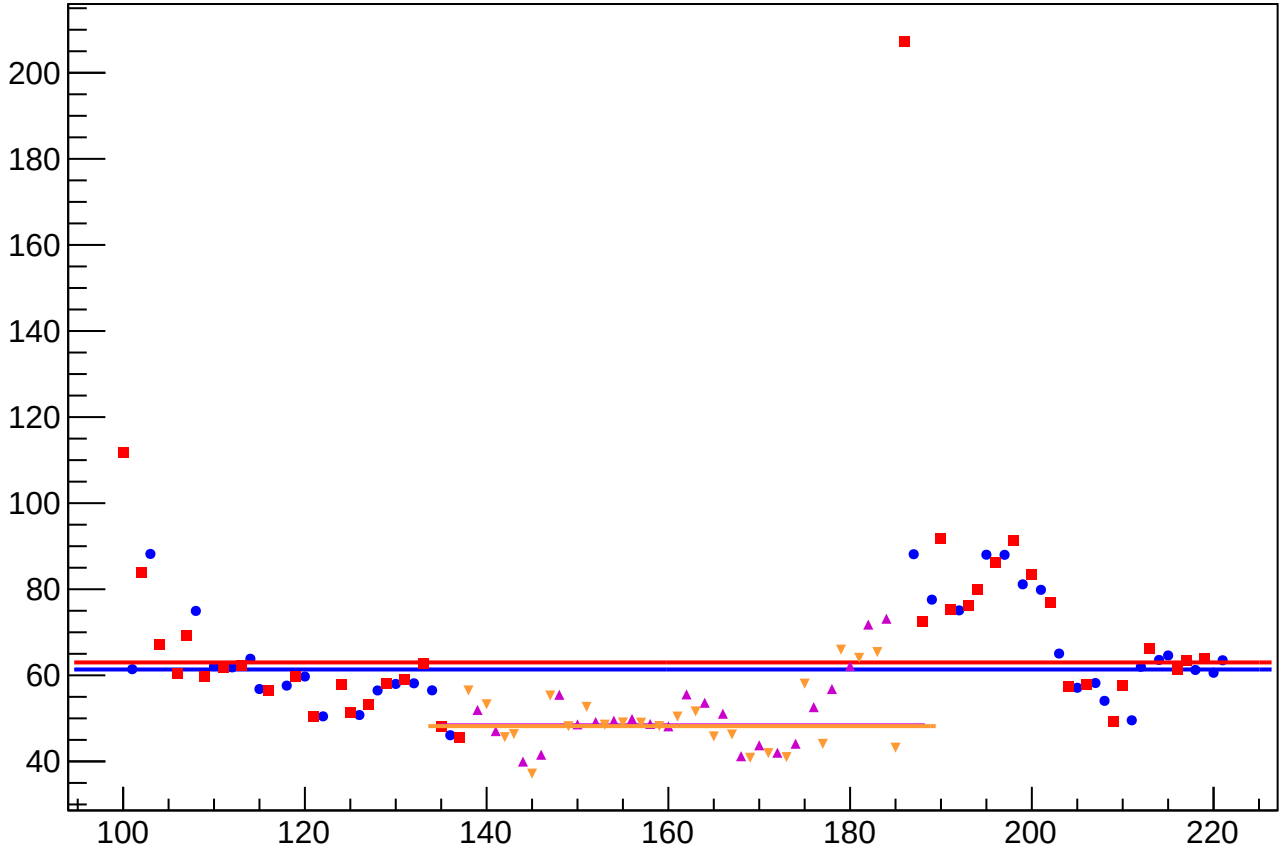
Right: 62.952+/-9.624 χ^2/NDF: 89.7/70

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 6.668+/-8.691 χ^2/NDF:131.4/61

All: 7.682+/-6.145 χ^2/NDF: 205.3/118

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: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

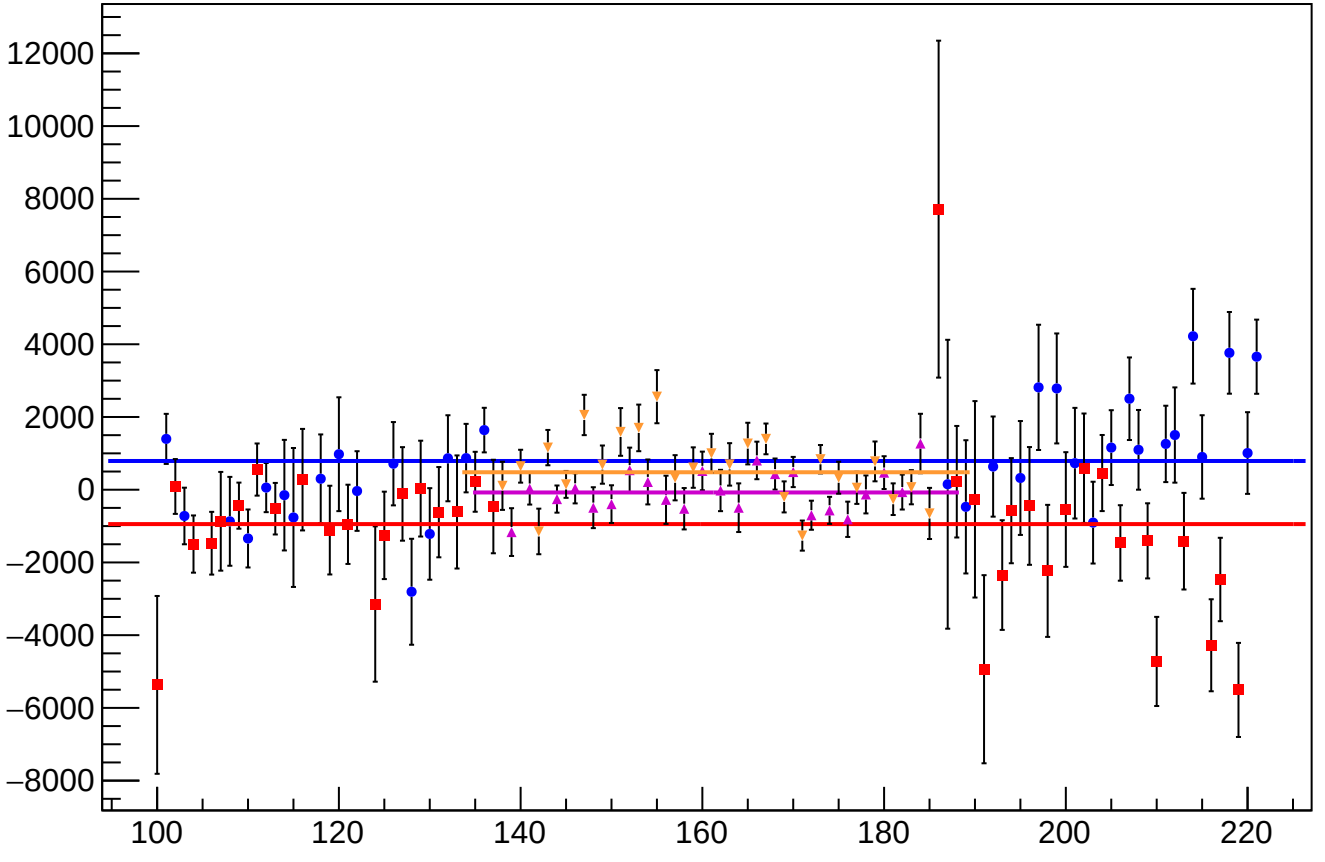
Right: 62.139+/-0.007 χ^2/NDF: 2893268.7/70

In: 53.912+/-0.006 χ^2/NDF:3009808.9/56

Out: 53.956+/-0.006 χ^2/NDF:3813906.2/61

All: 53.934+/-0.004 χ^2/NDF: 6823740.6/118

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: -945.335+/-187.949 χ^2/NDF: 58.7/36

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

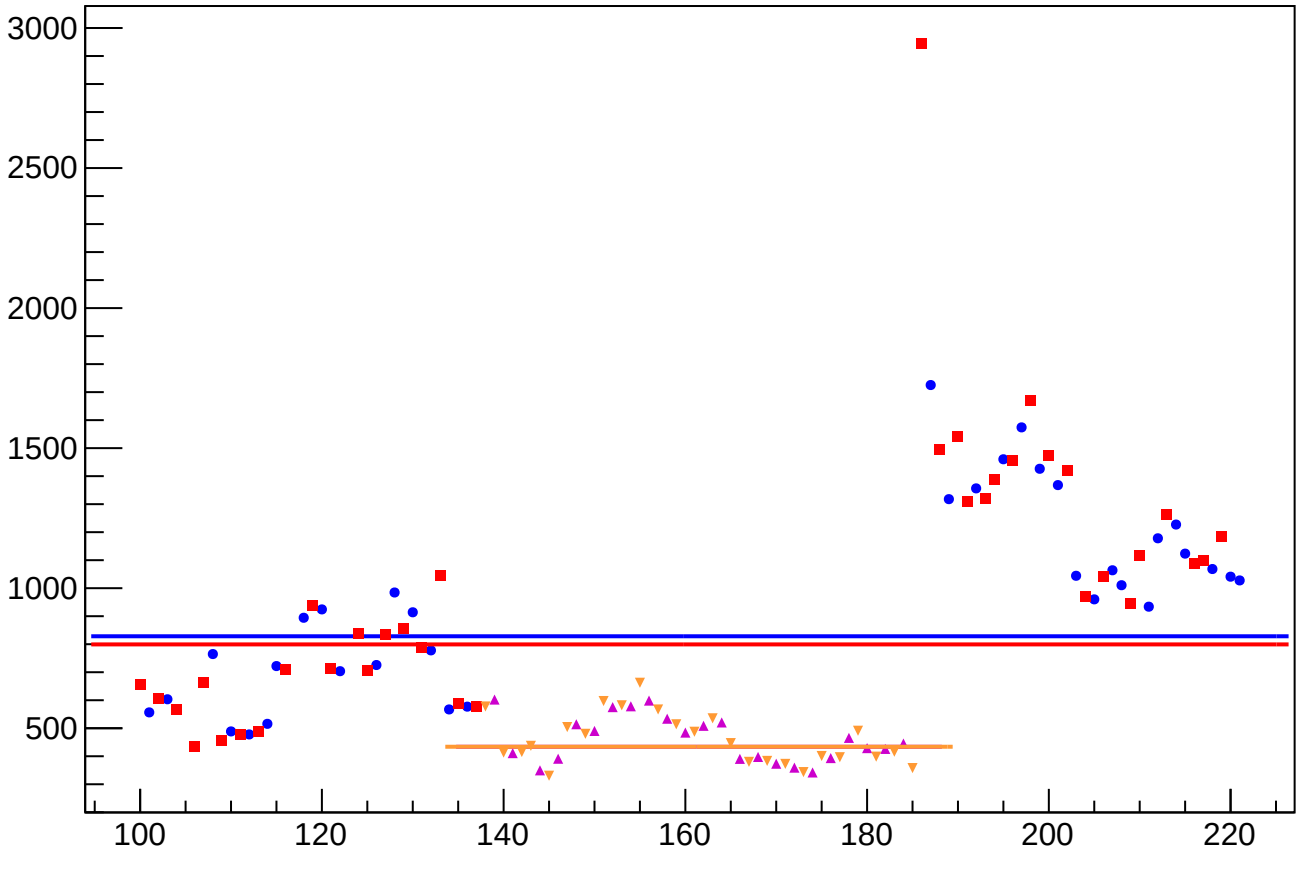
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -75.996+/-132.775 χ^2/NDF: 159.3/70

In: 125.251+/-90.373 χ^2/NDF:98.8/56

Out: 163.116+/-88.643 χ^2/NDF:172.6/61

All: 144.549+/-63.283 χ^2/NDF: 271.5/118



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: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

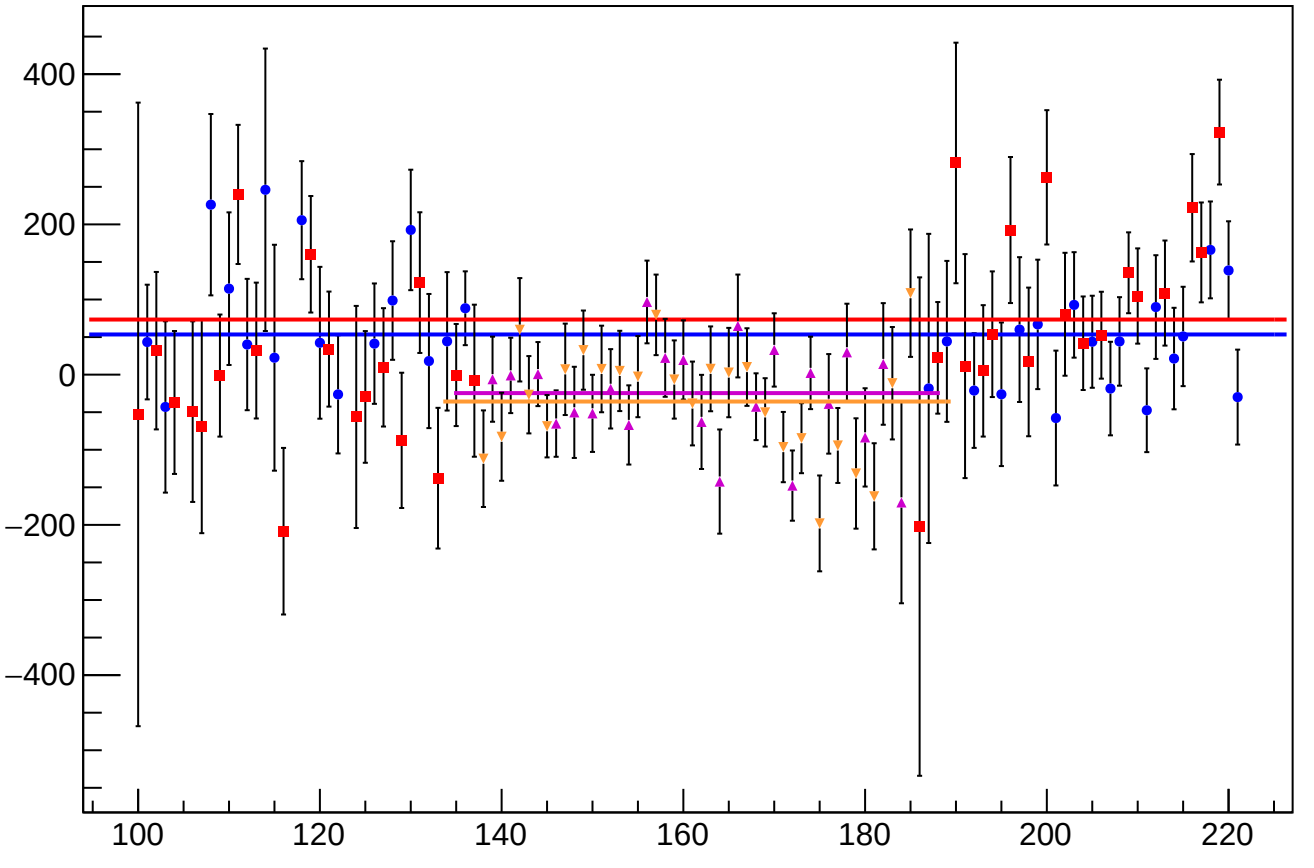
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 813.851+/-0.094 χ^2/NDF: 11355914.2/70

In: 525.305+/-0.064 χ^2/NDF:12722578.2/56

Out: 515.214+/-0.063 χ^2/NDF:13620683.1/61

All: 520.162+/-0.045 χ^2/NDF: 26355972.4/1



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: 73.343+/-13.934 χ^2/NDF: 60.3/36

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

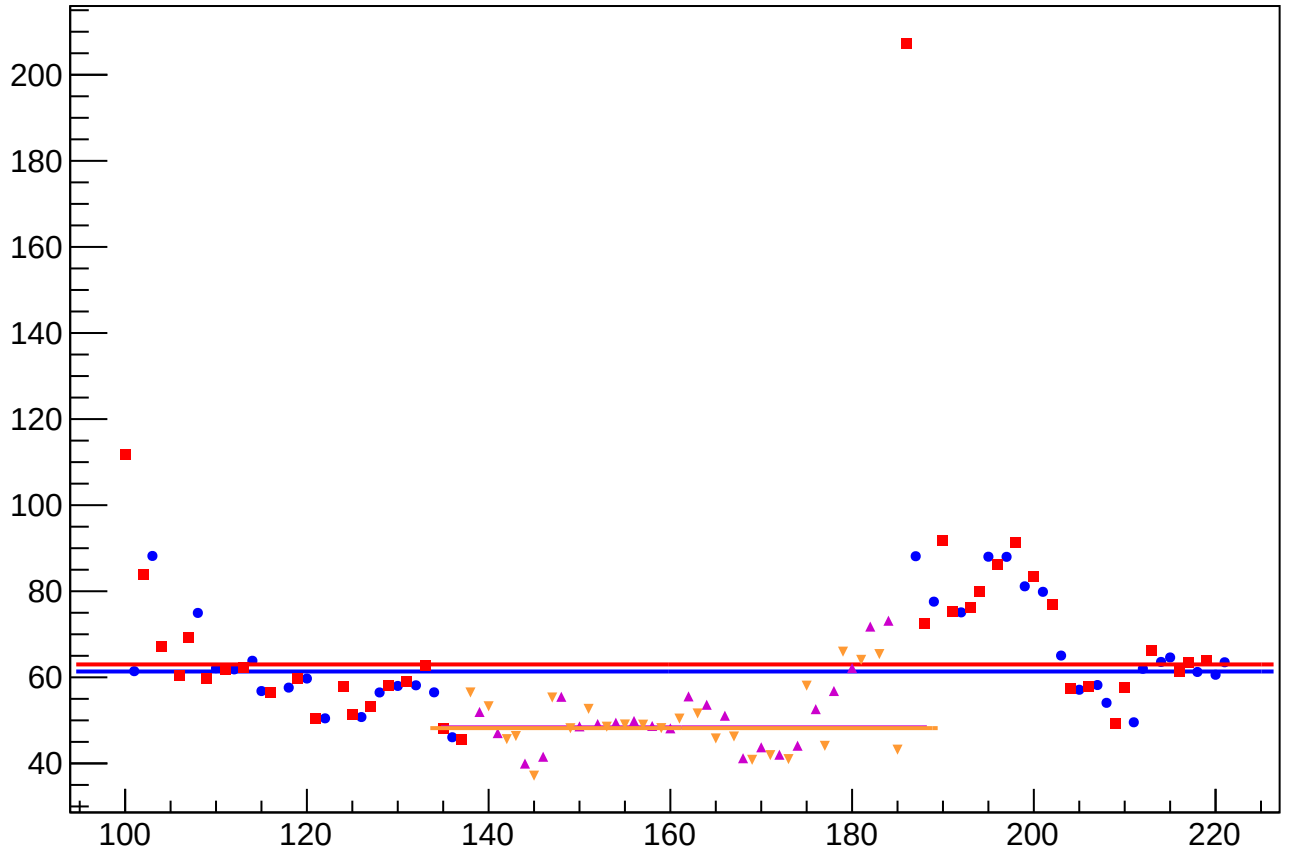
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 62.952+/-9.624 χ^2/NDF: 89.7/70

In: 8.696+/-8.689 χ^2/NDF:73.9/56

Out: 6.668+/-8.691 χ^2/NDF:131.4/61

All: 7.682+/-6.145 χ^2/NDF: 205.3/118



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: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

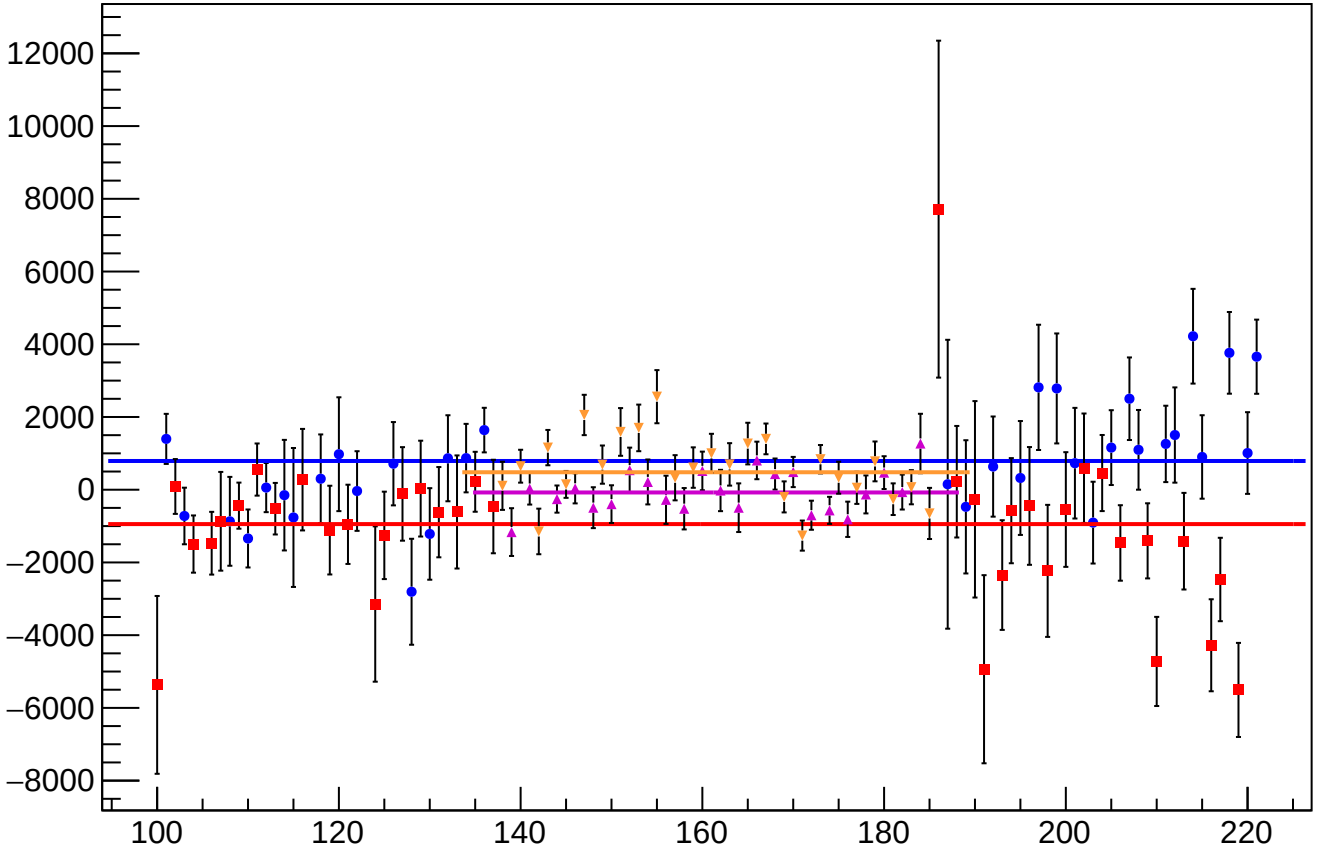
Right: 62.139+/-0.007 χ^2/NDF: 2893268.7/70

In: 53.912+/-0.006 χ^2/NDF:3009808.9/56

Out: 53.956+/-0.006 χ^2/NDF:3813906.2/61

All: 53.934+/-0.004 χ^2/NDF: 6823740.6/118

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: -945.335+/-187.949 χ^2/NDF: 58.7/36

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

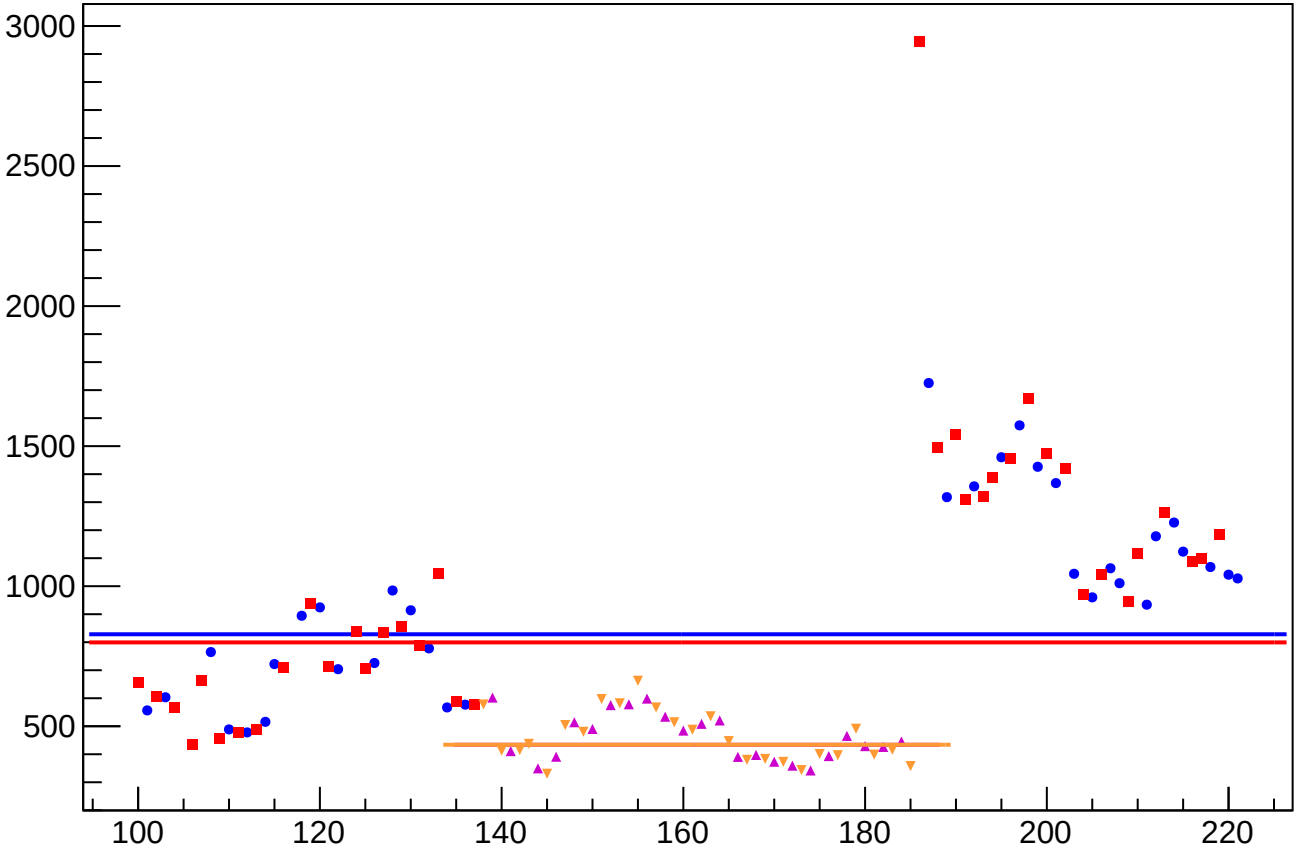
Right: -75.996+/-132.775 χ^2/NDF: 159.3/70

In: 125.251+/-90.373 χ^2/NDF:98.8/56

Out: 163.116+/-88.643 χ^2/NDF:172.6/61

All: 144.549+/-63.283 χ^2/NDF: 271.5/118

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: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

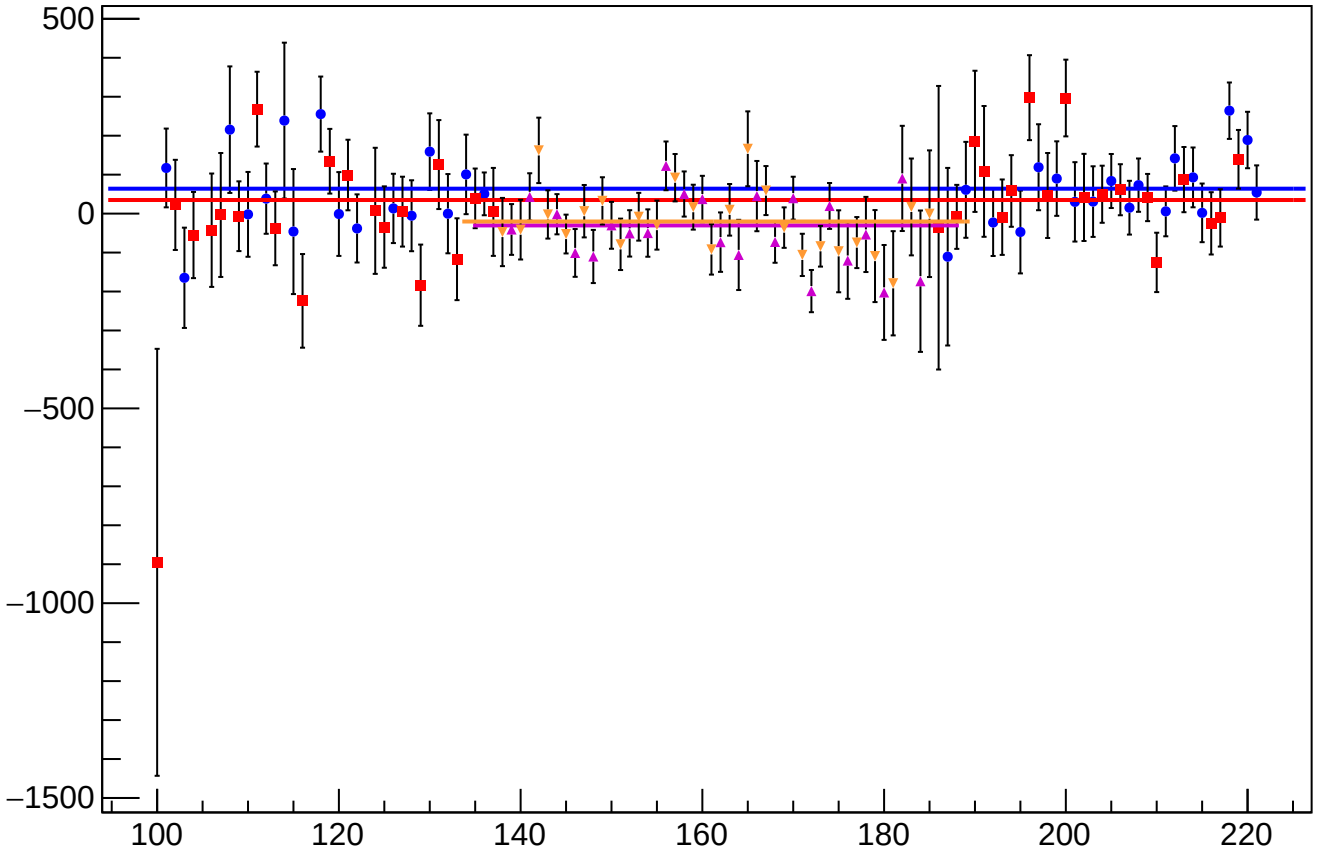
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 813.851+/-0.094 χ^2/NDF: 11355914.2/70

In: 525.305+/-0.064 χ^2/NDF:12722578.2/56

Out: 515.214+/-0.063 χ^2/NDF:13620683.1/61

All: 520.162+/-0.045 χ^2/NDF: 26355972.4/1



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: 34.907+/-15.787 χ^2/NDF: 47.2/36

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

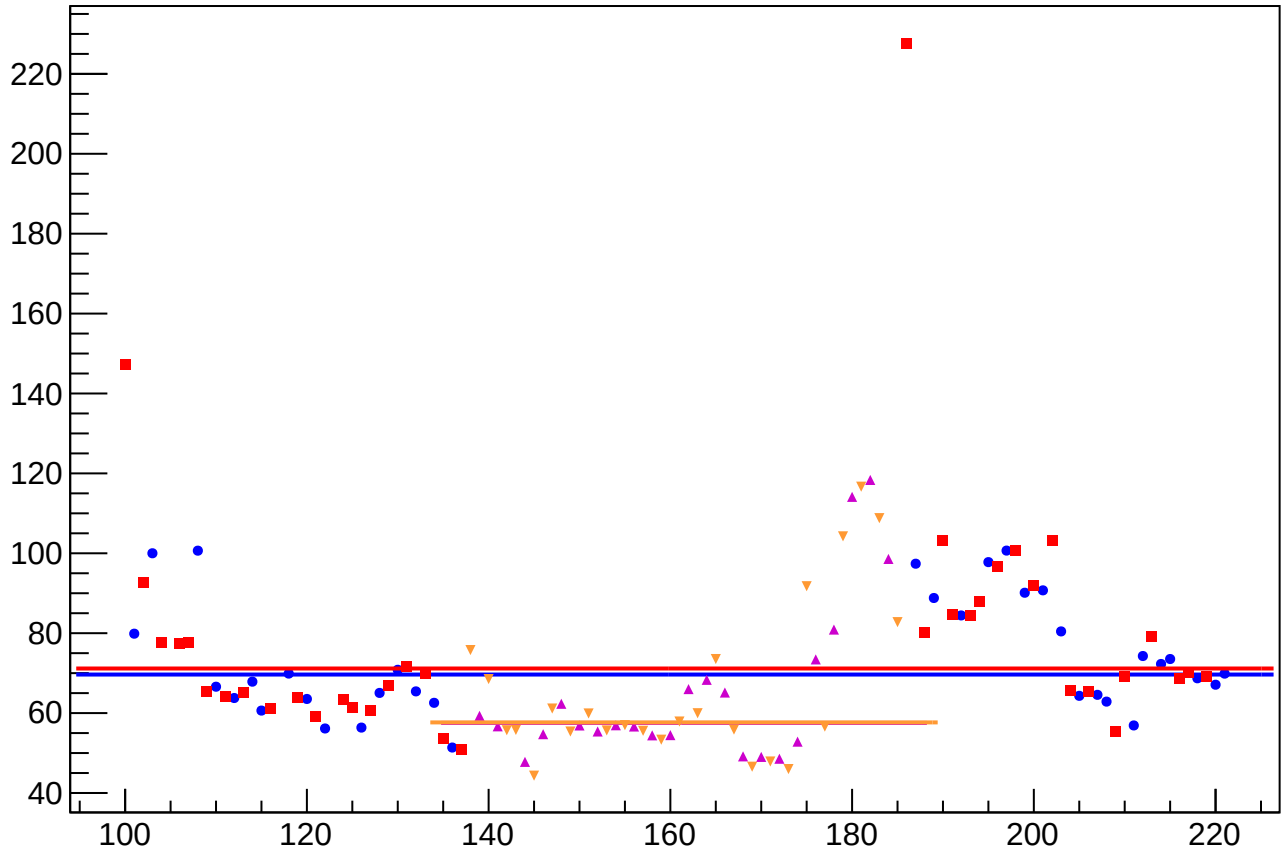
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 50.003+/-10.942 χ^2/NDF: 80.1/70

In: 12.948+/-10.282 χ^2/NDF:84.6/56

Out: 3.306+/-10.320 χ^2/NDF:79.4/61

All: 8.145+/-7.284 χ^2/NDF: 164.4/118



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: 71.161+/-0.011 χ^2/NDF: 1702199.9/36

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

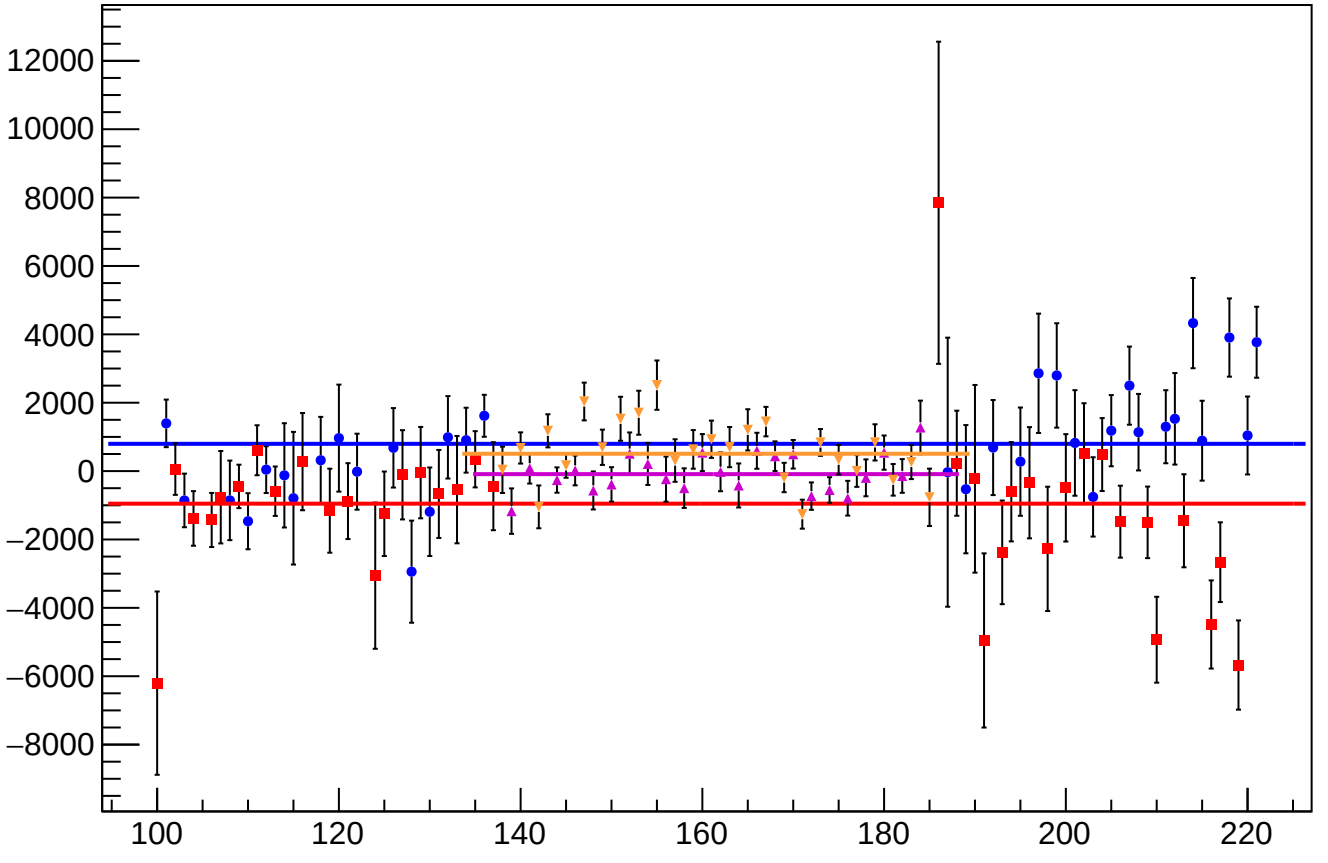
Right: 70.375+/-0.008 χ^2/NDF: 3051009.6/70

In: 63.097+/-0.007 χ^2/NDF:3471381.2/56

Out: 63.433+/-0.007 χ^2/NDF:4448597.1/61

All: 63.265+/-0.005 χ^2/NDF: 7921044.6/118

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: -952.611+/-189.101 χ^2/NDF: 61.8/36

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

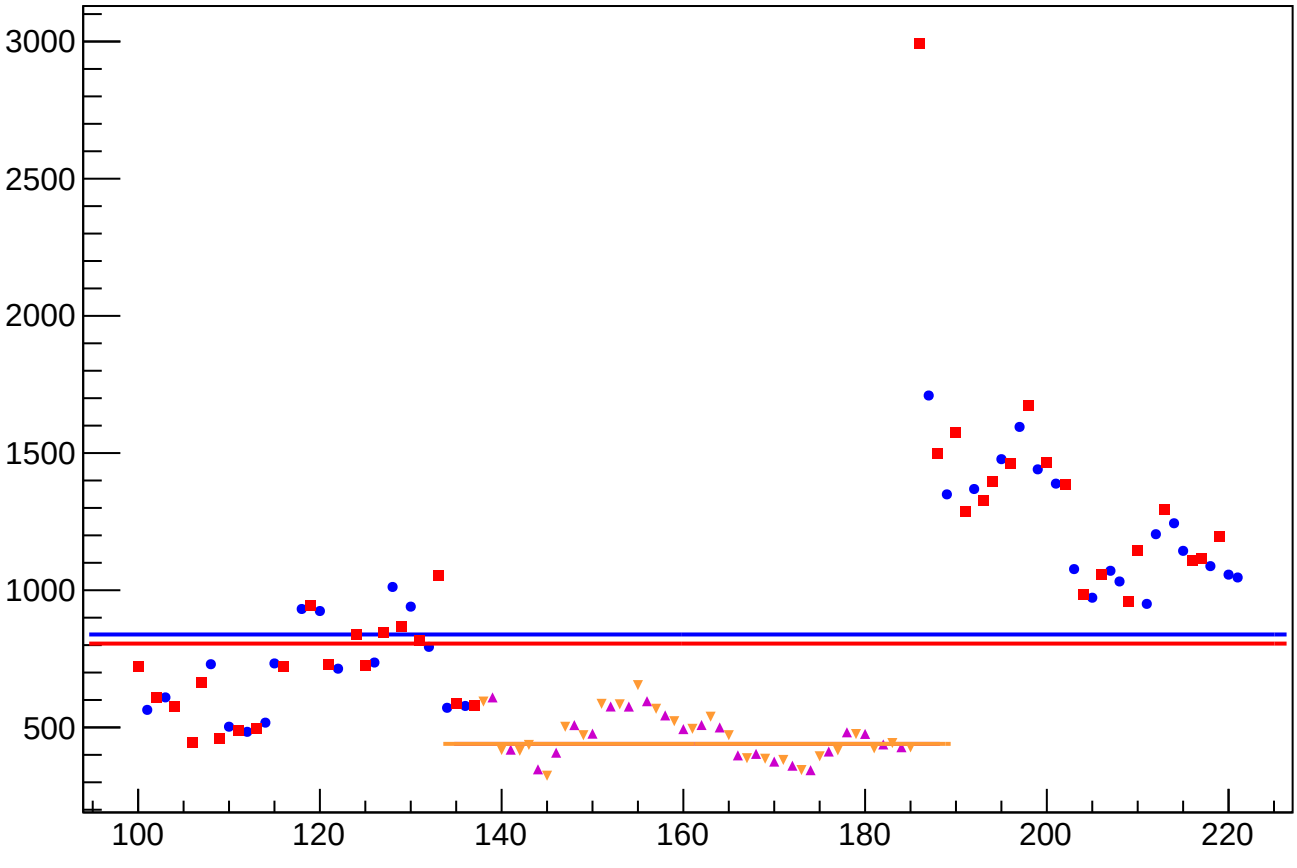
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

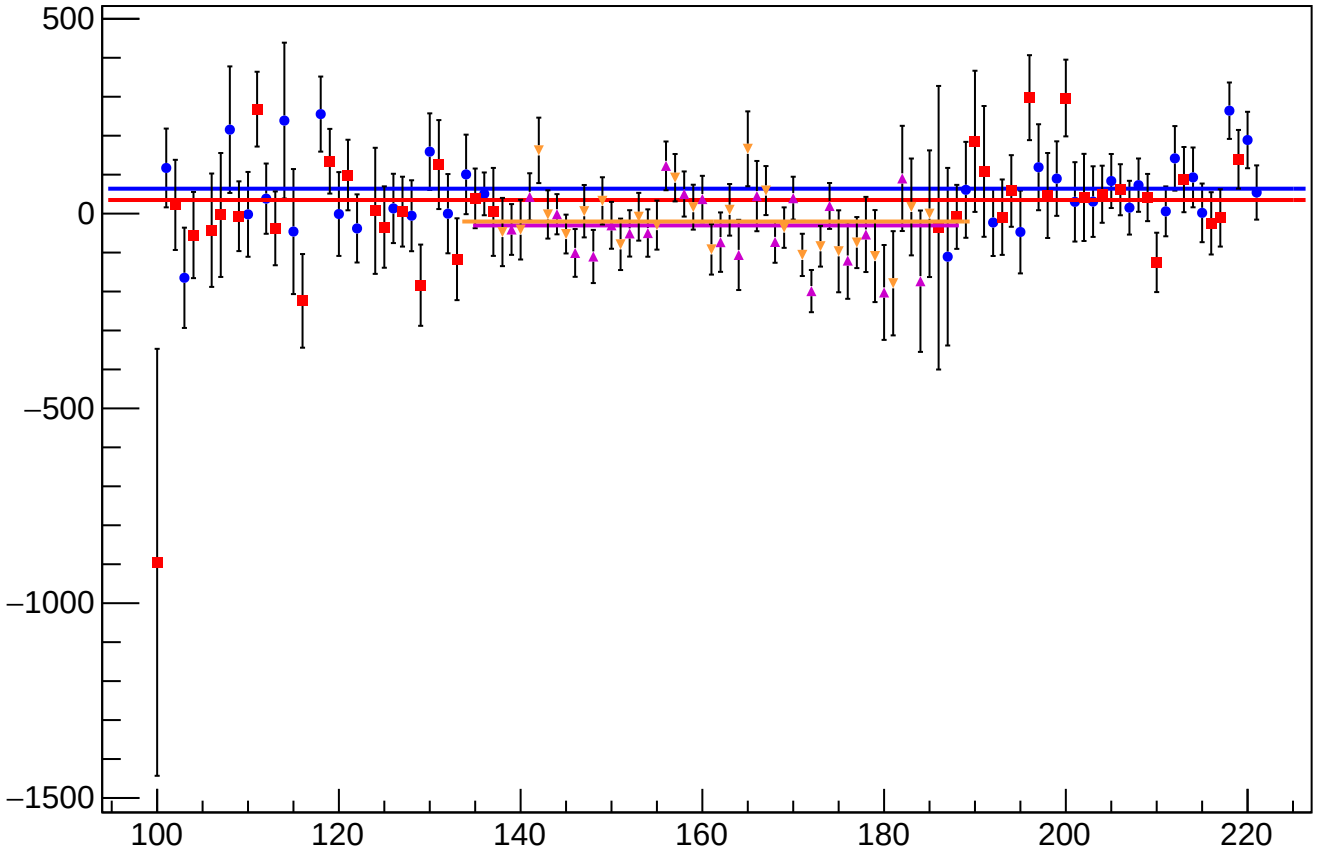
Right: -81.659+/-134.036 χ^2/NDF: 164.0/70

In: 117.447+/-91.594 χ^2/NDF:99.6/56

Out: 179.290+/-89.620 χ^2/NDF:173.8/61

All: 149.042+/-64.058 χ^2/NDF: 273.6/118


asym_sam_15_48_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 838.759+/-0.134 χ²/NDF: 4893082.0/33
Left Out: 440.075+/-0.072 χ²/NDF:1196985.5/24
Right Out: 805.536+/-0.134 χ²/NDF: 6522212.3/36
Left In: 439.877+/-0.074 χ²/NDF:1061910.1/22
Left: 439.979+/-0.052 χ²/NDF: 2258899.3/47
Right: 822.068+/-0.095 χ²/NDF: 11446011.6/70
In: 532.562+/-0.065 χ²/NDF:12720549.1/56
Out: 522.161+/-0.063 χ²/NDF:13511445.6/61
All: 527.248+/-0.045 χ²/NDF: 26245168.6/1



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: 34.909+/-15.787 χ^2/NDF: 47.2/36

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

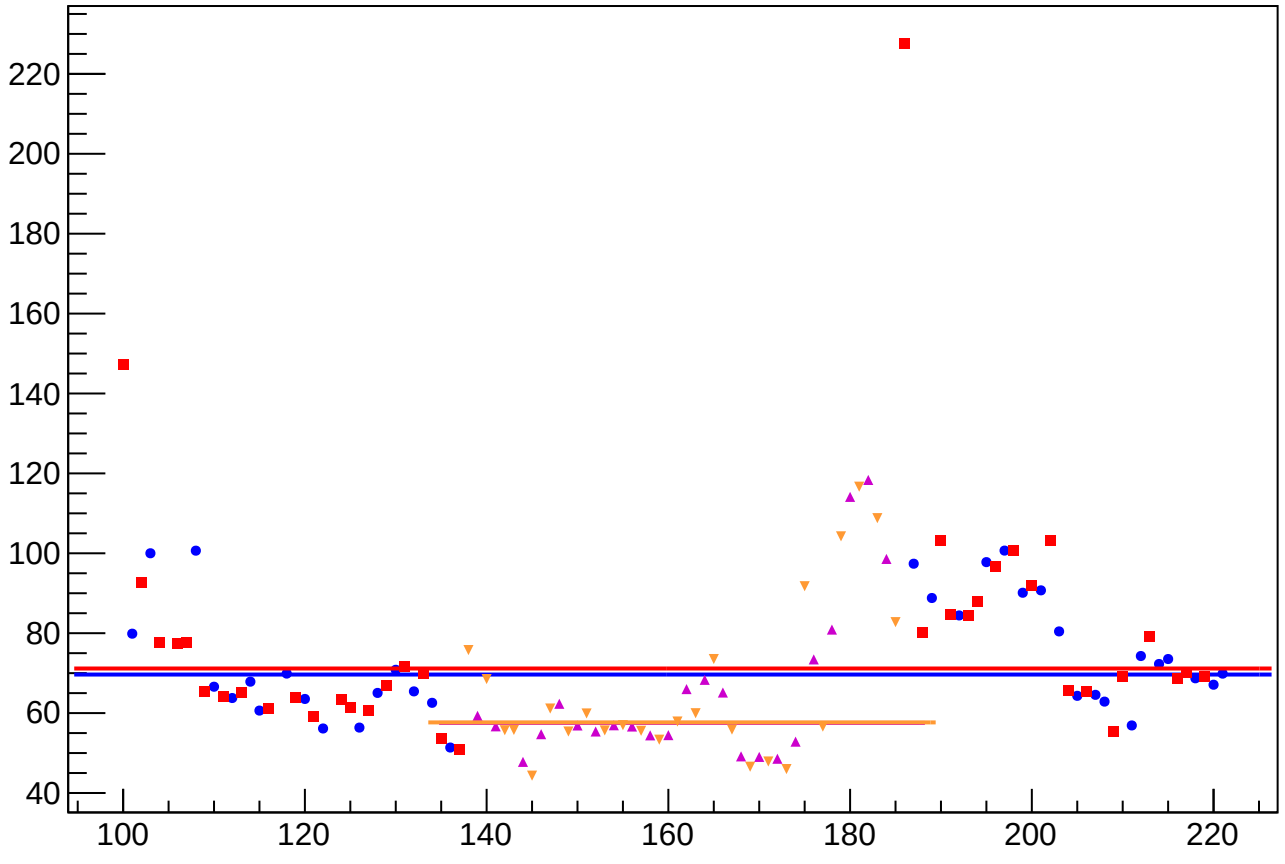
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 50.003+/-10.942 χ^2/NDF: 80.1/70

In: 12.947+/-10.282 χ^2/NDF:84.6/56

Out: 3.307+/-10.320 χ^2/NDF:79.4/61

All: 8.144+/-7.284 χ^2/NDF: 164.4/118



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: 71.161+/-0.011 χ^2/NDF: 1702204.4/36

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

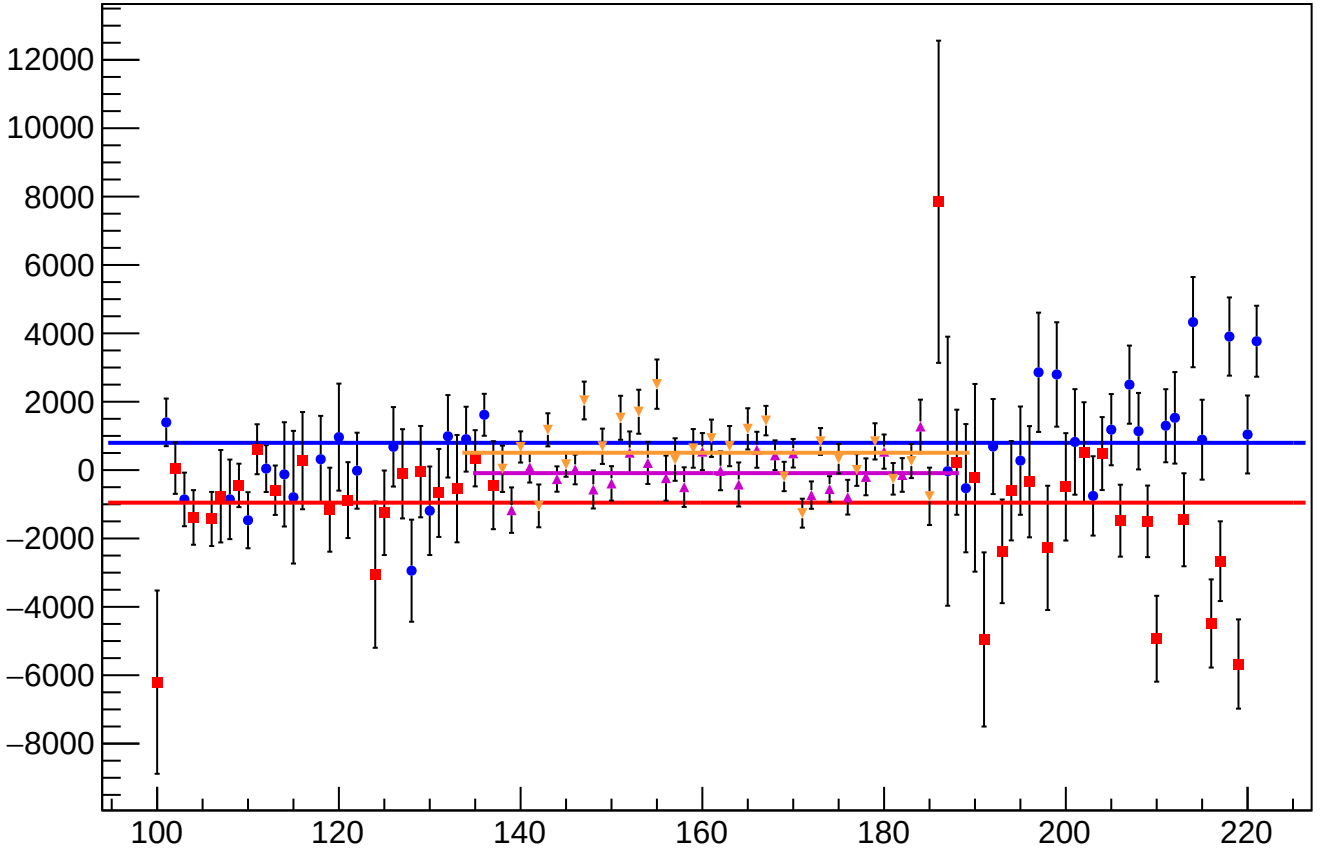
Right: 70.375+/-0.008 χ^2/NDF: 3050988.2/70

In: 63.097+/-0.007 χ^2/NDF:3471323.7/56

Out: 63.433+/-0.007 χ^2/NDF:4448578.3/61

All: 63.265+/-0.005 χ^2/NDF: 7920968.7/118

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: -952.609+/-189.100 χ^2/NDF: 61.8/36

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

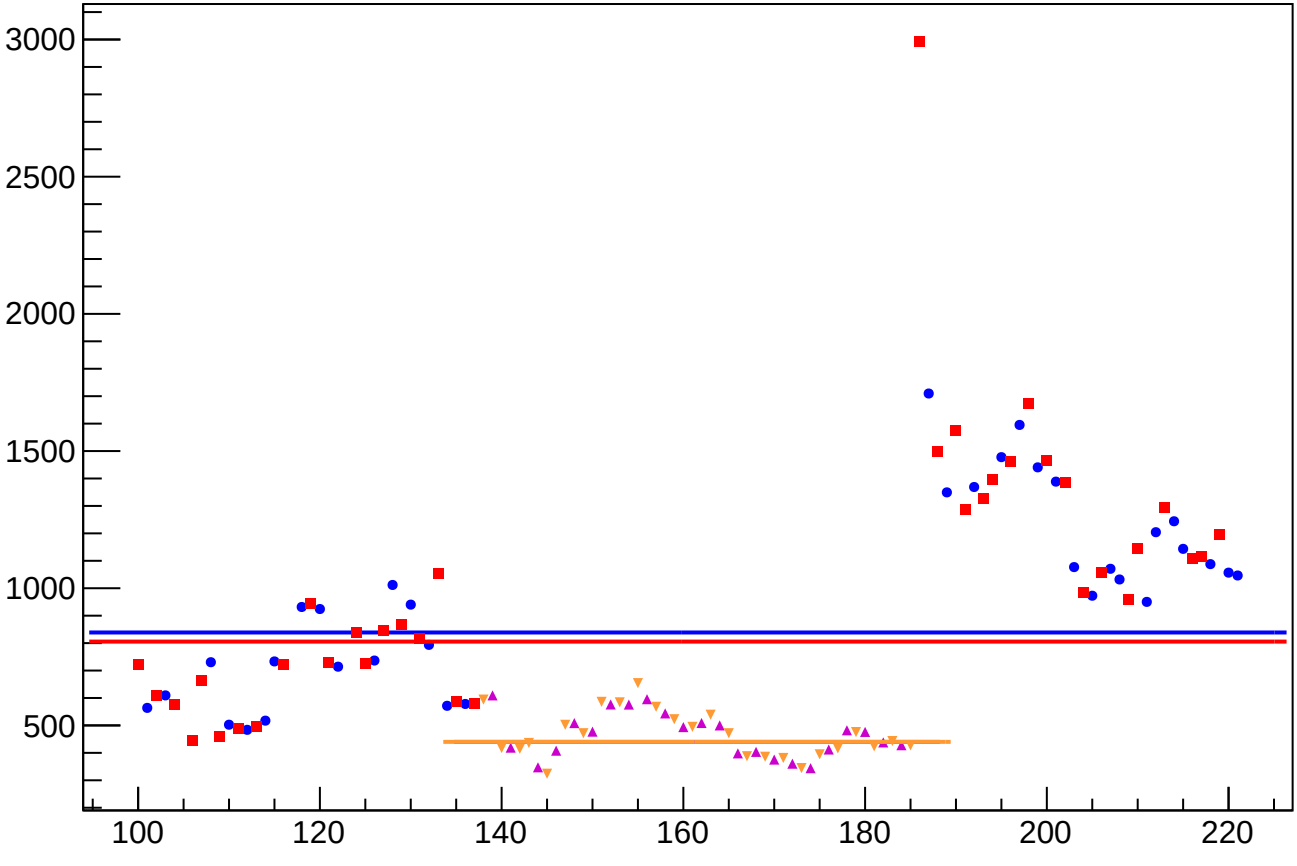
Right: -81.659+/-134.036 χ^2/NDF: 164.0/70

In: 117.446+/-91.594 χ^2/NDF:99.6/56

Out: 179.290+/-89.620 χ^2/NDF:173.8/61

All: 149.042+/-64.057 χ^2/NDF: 273.6/118

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: 805.536+/-0.134 χ^2/NDF: 6522218.7/36

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

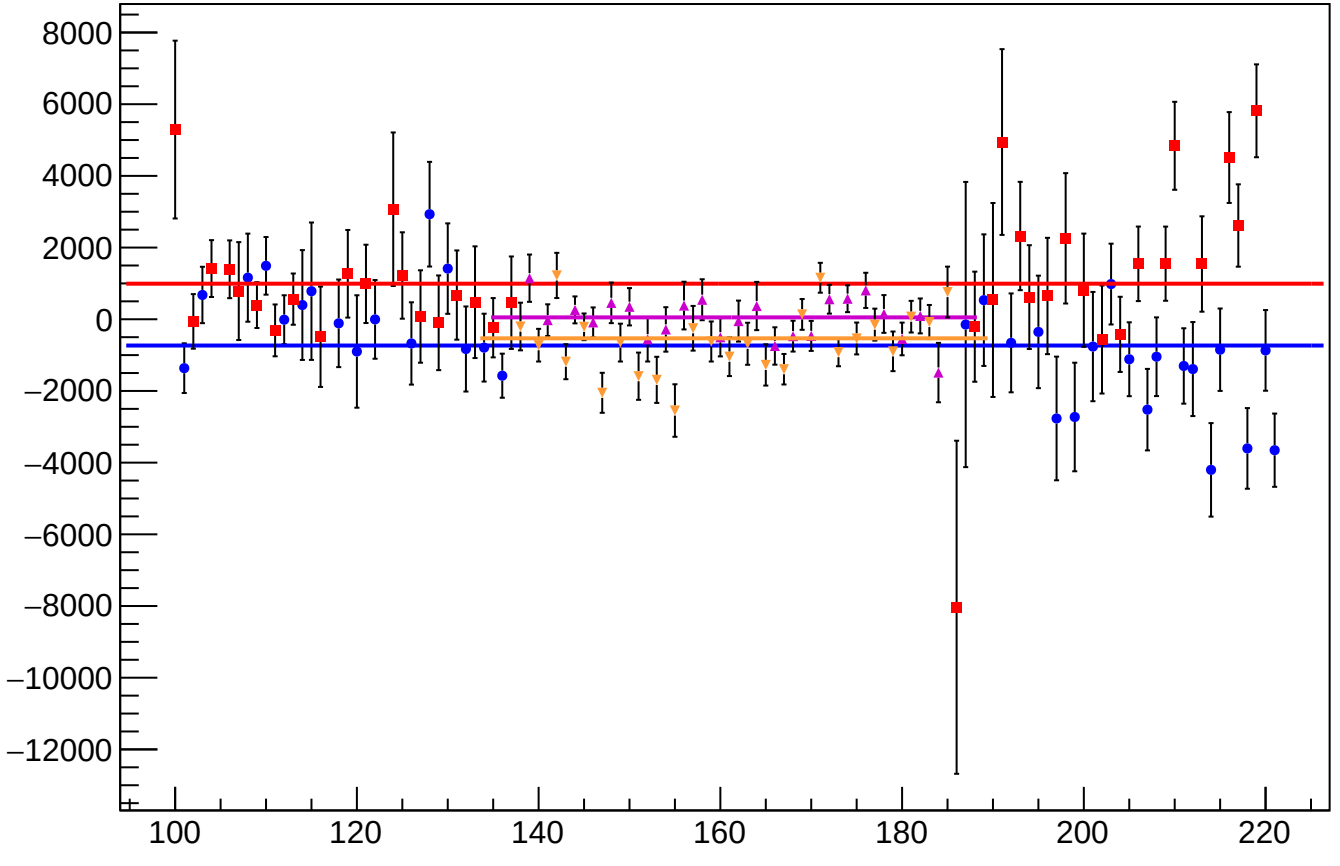
Right: 822.067+/-0.095 χ^2/NDF: 11446022.4/70

In: 532.560+/-0.065 χ^2/NDF:12720588.8/56

Out: 522.160+/-0.063 χ^2/NDF:13511482.4/61

All: 527.247+/-0.045 χ^2/NDF: 26245244.8/1

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: 992.484+/-188.123 χ^2/NDF: 61.0/36

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

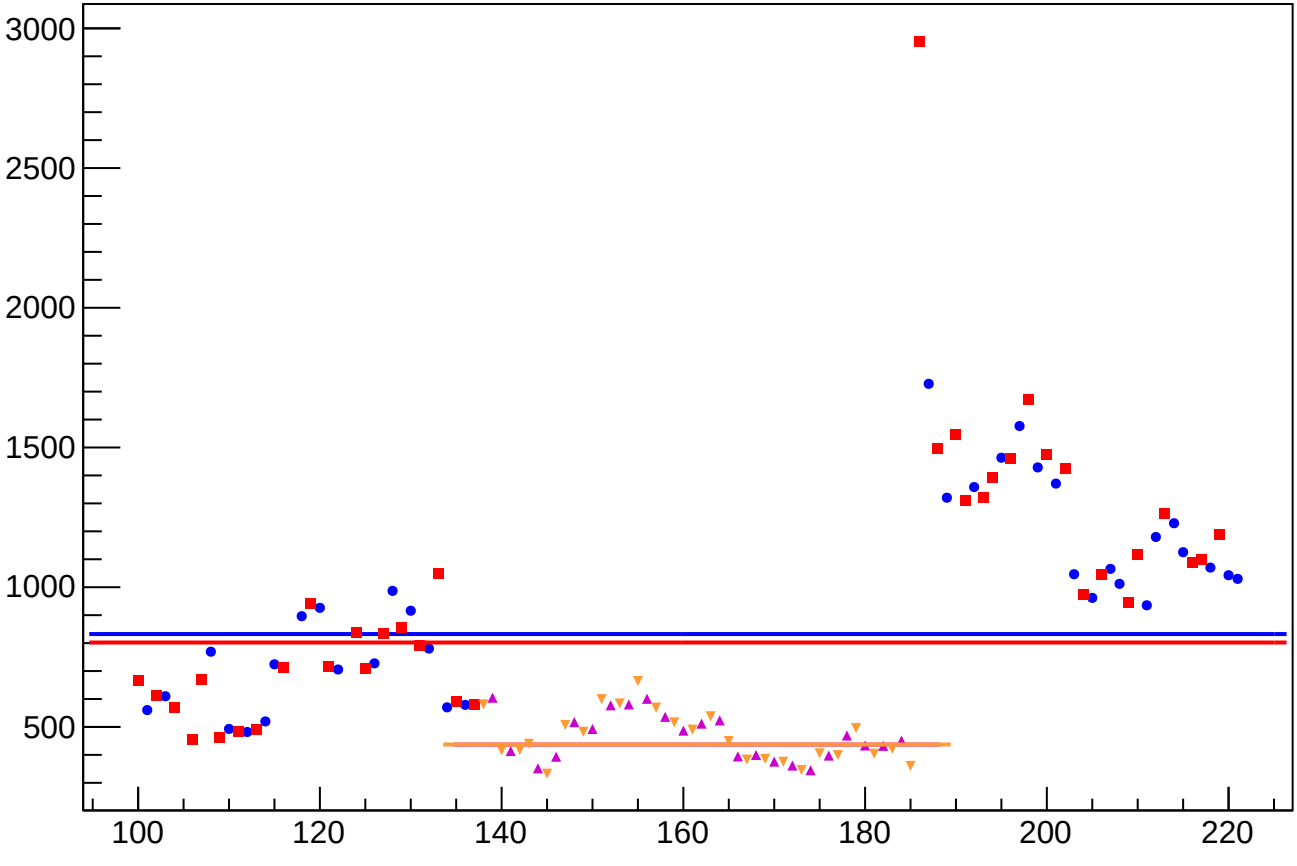
Right: 130.947+/-133.108 χ^2/NDF: 162.1/70

In: -130.570+/-90.958 χ^2/NDF:96.5/56

Out: -189.279+/-89.154 χ^2/NDF:177.4/61

All: -160.512+/-63.669 χ^2/NDF: 274.2/118

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: 802.125+/-0.133 χ^2/NDF: 6443624.6/36

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

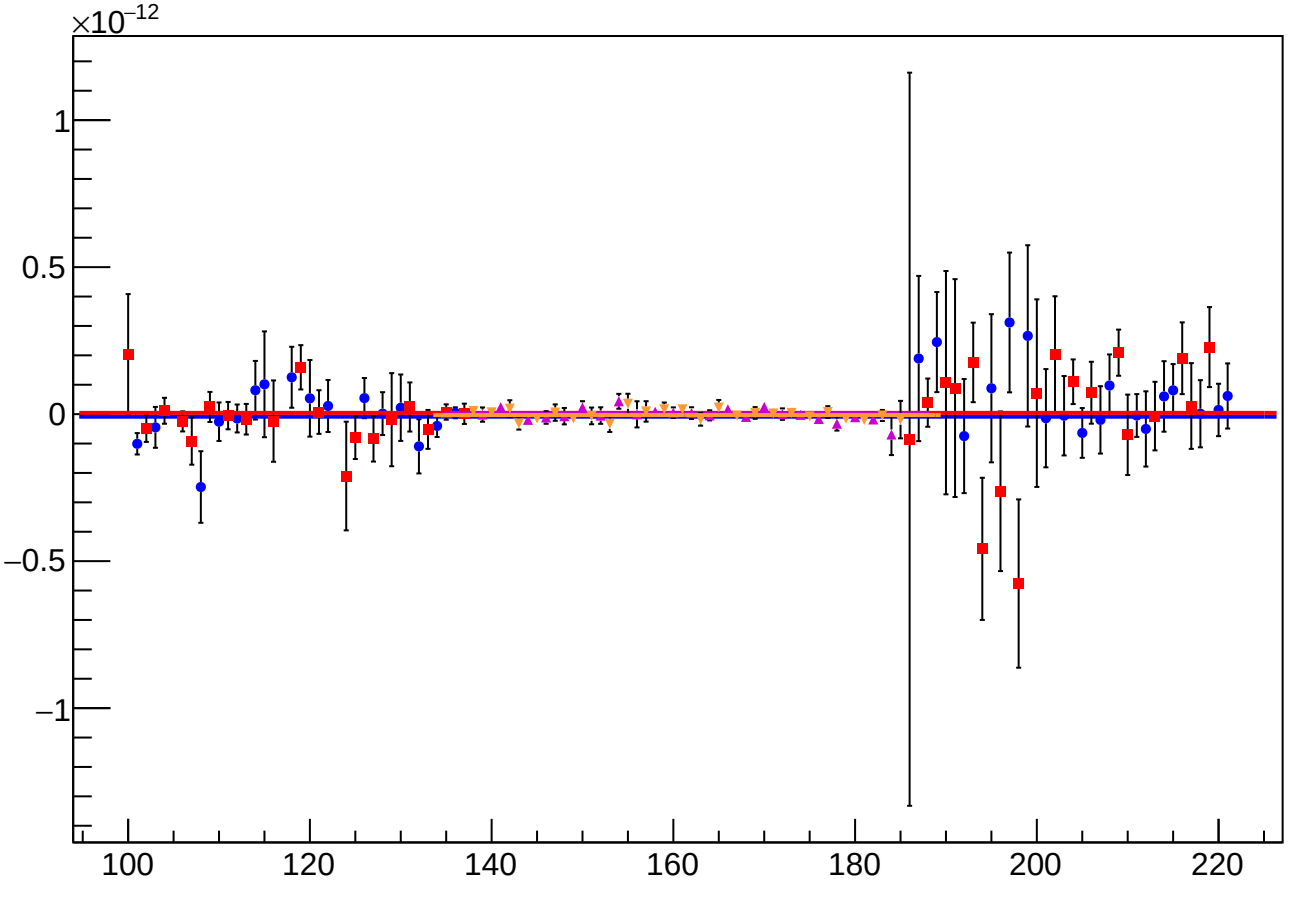
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 817.244+/-0.094 χ^2/NDF: 11240856.6/70

In: 529.150+/-0.064 χ^2/NDF:12611378.6/56

Out: 519.126+/-0.063 χ^2/NDF:13508037.0/61

All: 524.037+/-0.045 χ^2/NDF: 26131803.5/1



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: 40.2/36

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

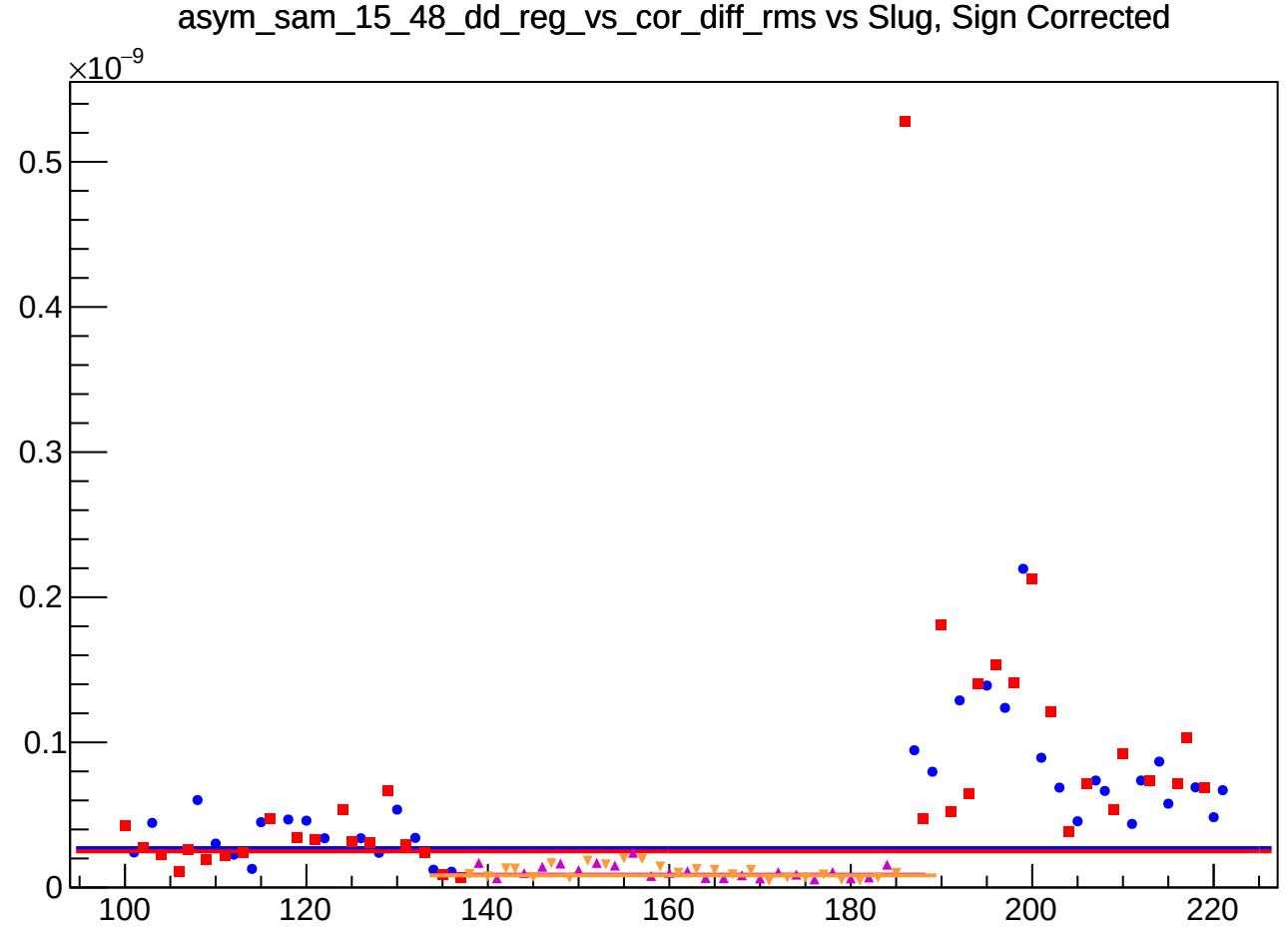
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 67.0/70

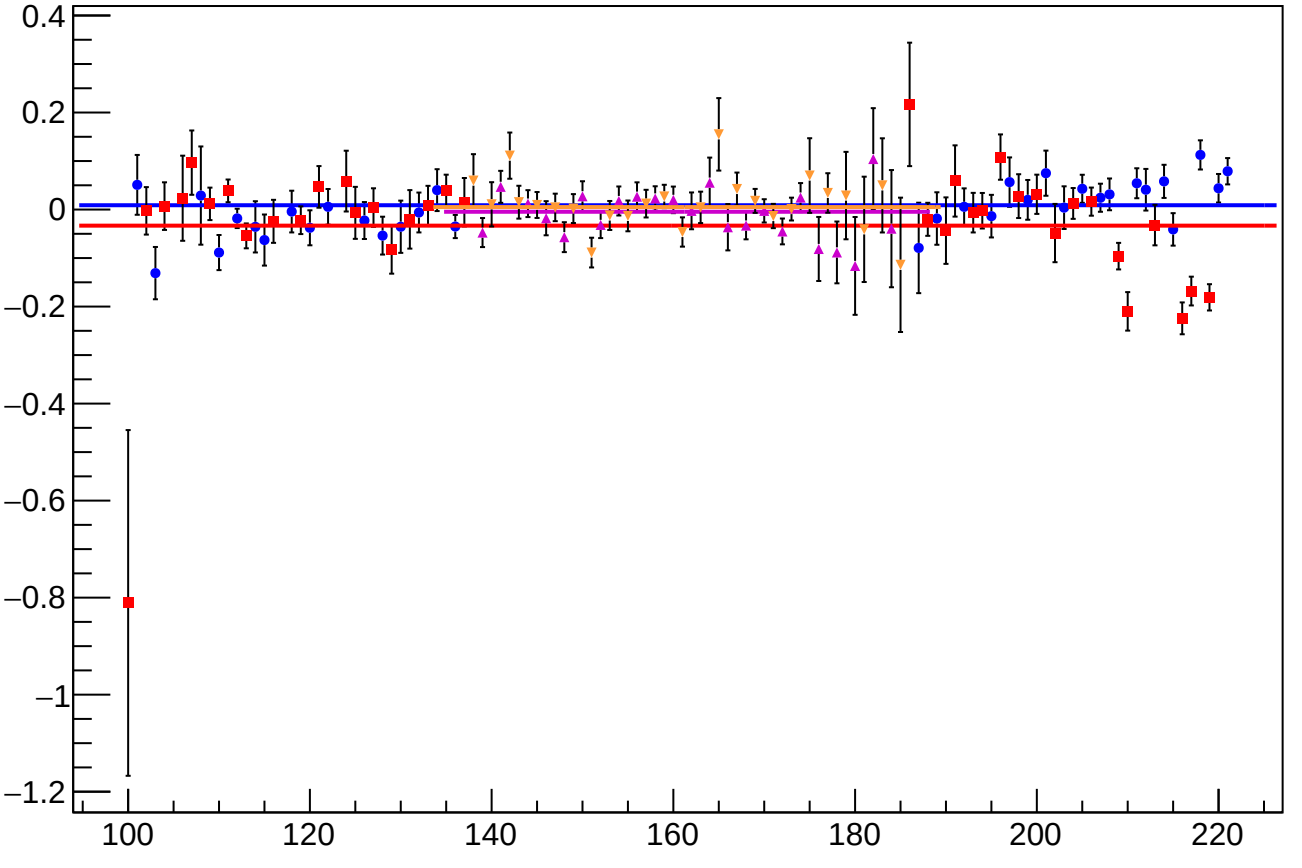
In: 0.000+/-0.000 χ^2/NDF:48.9/56

Out: -0.000+/-0.000 χ^2/NDF:54.9/61

All: -0.000+/-0.000 χ^2/NDF: 104.2/118


asym_sam_15_48_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: 7753034.7/33
Left Out: 0.000+/-0.000 χ²/NDF:2207304.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 8047896.1/36
Left In: 0.000+/-0.000 χ²/NDF:1644276.1/22
Left: 0.000+/-0.000 χ²/NDF: 3869791.0/47
Right: 0.000+/-0.000 χ²/NDF: 15838543.7/70
In: 0.000+/-0.000 χ²/NDF:13976992.9/56
Out: 0.000+/-0.000 χ²/NDF:14164130.3/61
All: 0.000+/-0.000 χ²/NDF: 28193723.9/118

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

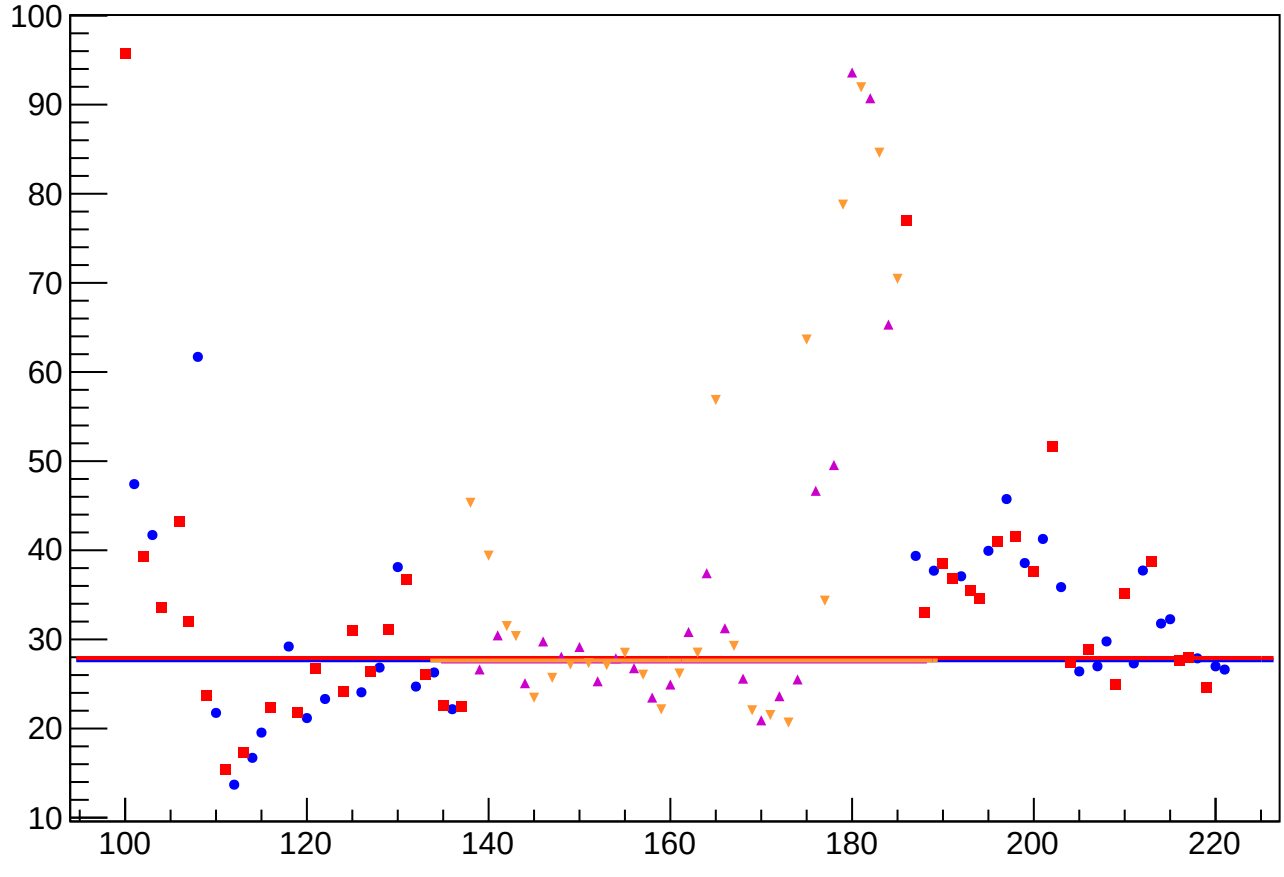
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.004 χ^2/NDF: 255.6/70

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.006+/-0.003 χ^2/NDF: 313.4/118



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: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

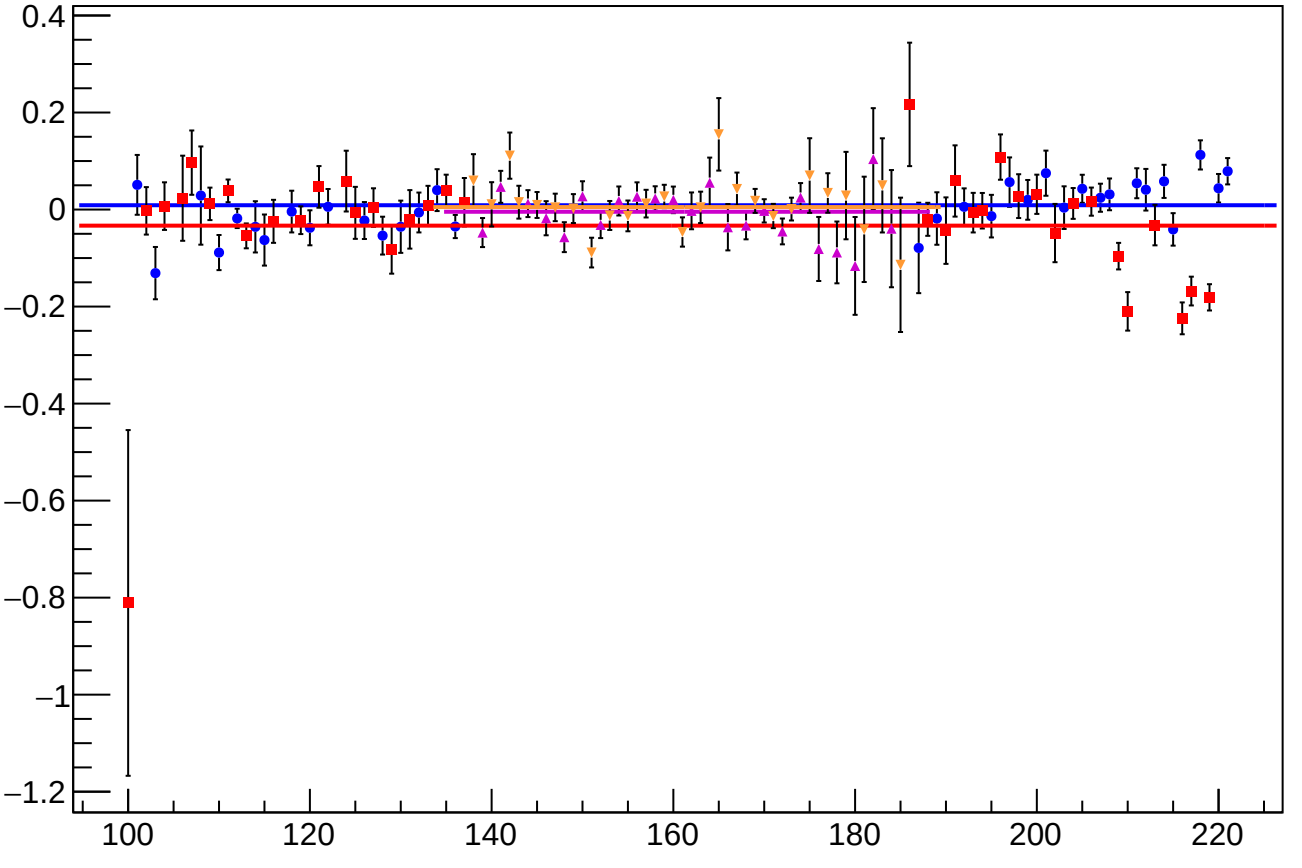
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.786+/-0.003 χ^2/NDF: 6330955.3/70

In: 27.600+/-0.003 χ^2/NDF:5886861.0/56

Out: 27.785+/-0.003 χ^2/NDF:7053341.9/61

All: 27.692+/-0.002 χ^2/NDF: 12941758.2/118



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: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

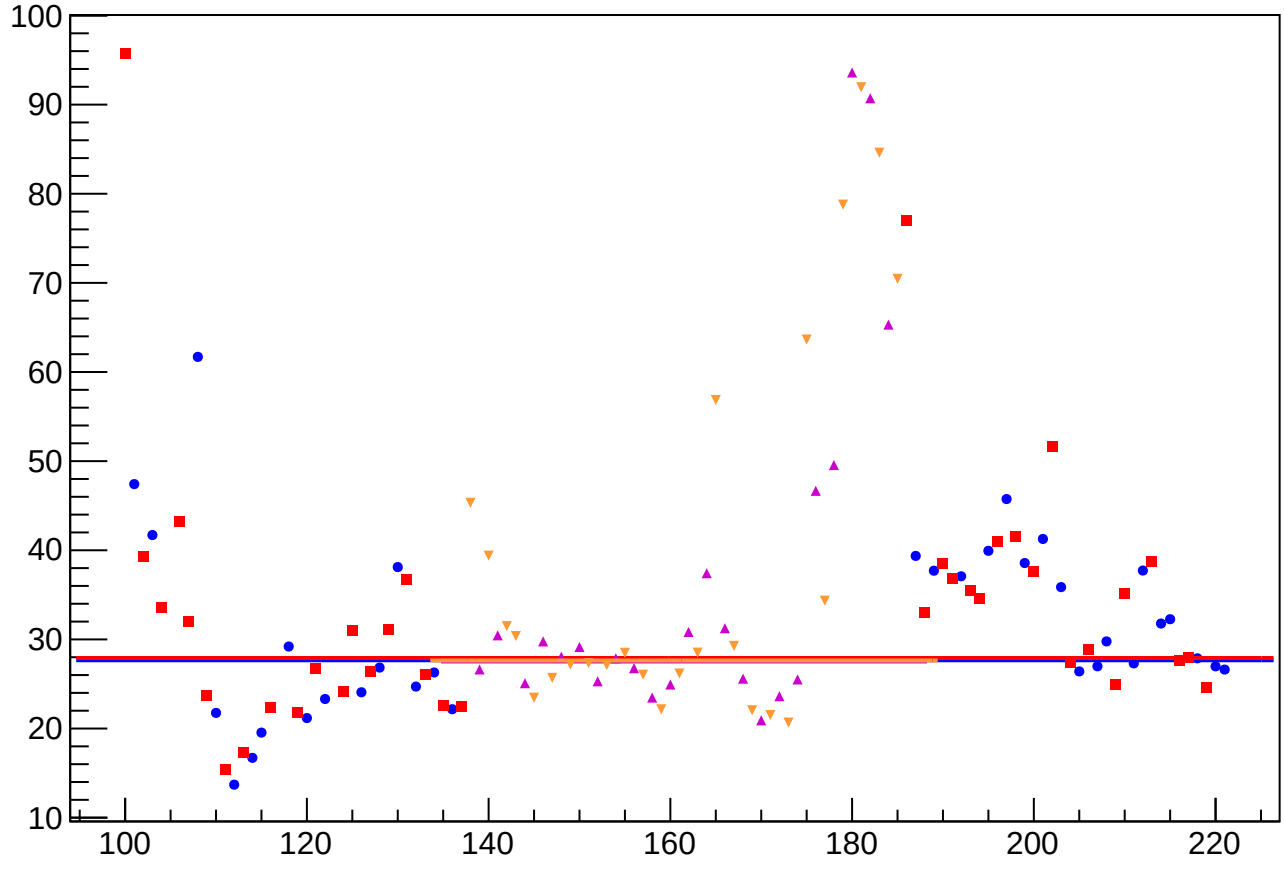
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.004 χ^2/NDF: 255.6/70

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.006+/-0.003 χ^2/NDF: 313.4/118



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: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

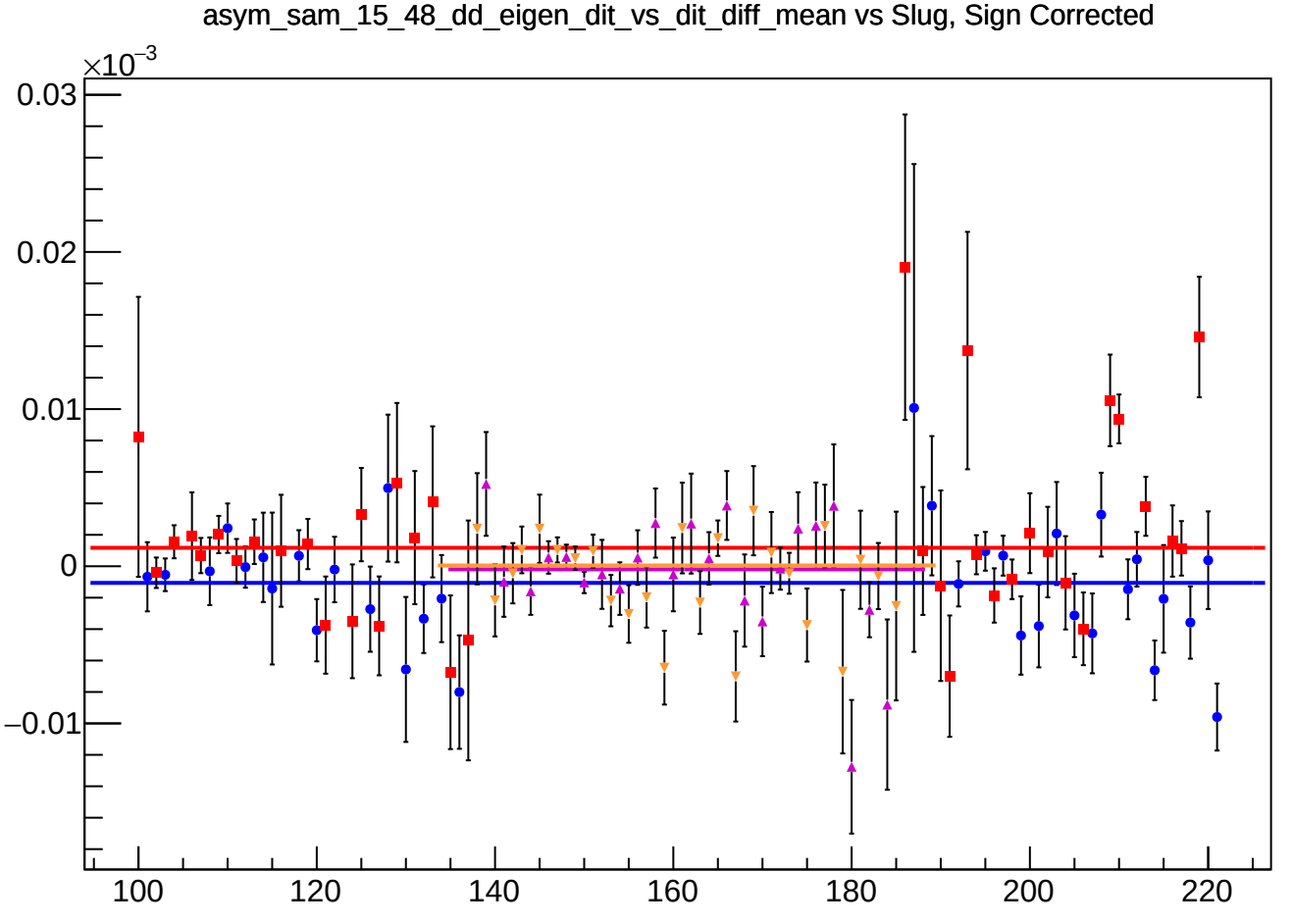
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.786+/-0.003 χ^2/NDF: 6330955.3/70

In: 27.600+/-0.003 χ^2/NDF:5886861.0/56

Out: 27.785+/-0.003 χ^2/NDF:7053341.9/61

All: 27.692+/-0.002 χ^2/NDF: 12941758.2/118



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: 90.8/36

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

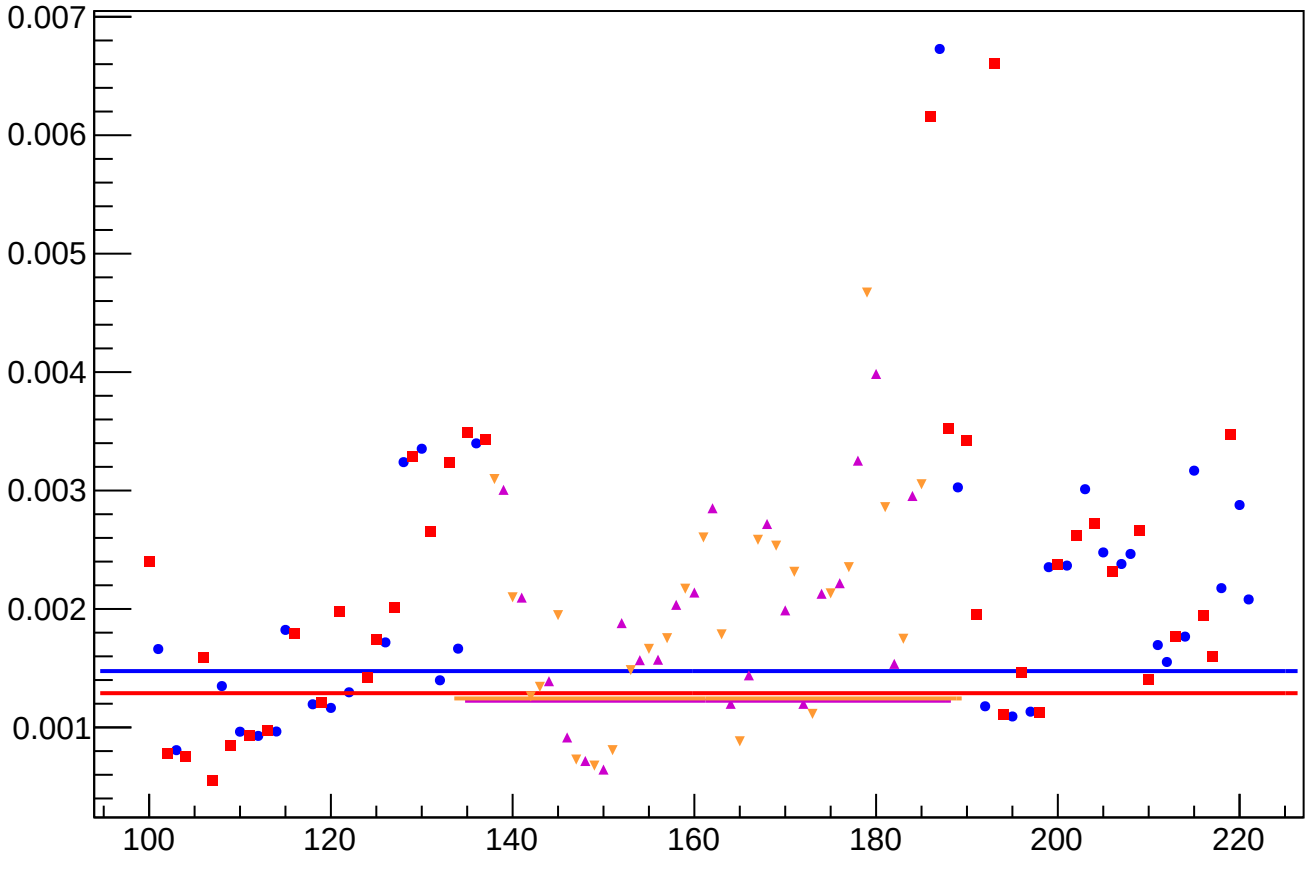
Right: 0.000+/-0.000 χ^2/NDF: 172.7/70

In: -0.000+/-0.000 χ^2/NDF:96.5/56

Out: 0.000+/-0.000 χ^2/NDF:133.8/61

All: 0.000+/-0.000 χ^2/NDF: 243.6/118

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: 9836388.5/36

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

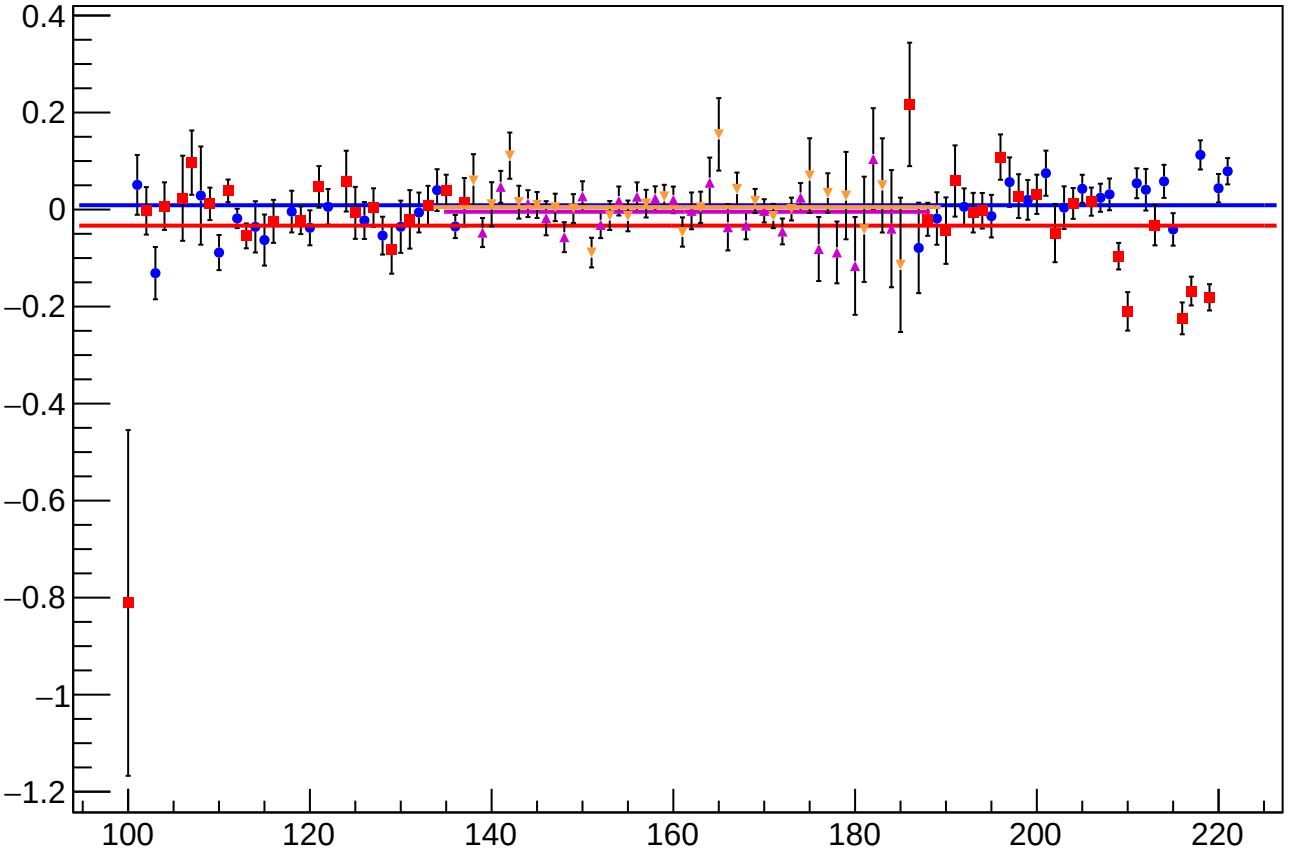
Right: 0.001+/-0.000 χ^2/NDF: 16904017.2/70

In: 0.001+/-0.000 χ^2/NDF:15124197.3/56

Out: 0.001+/-0.000 χ^2/NDF:18196210.3/61

All: 0.001+/-0.000 χ^2/NDF: 33426618.9/118

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

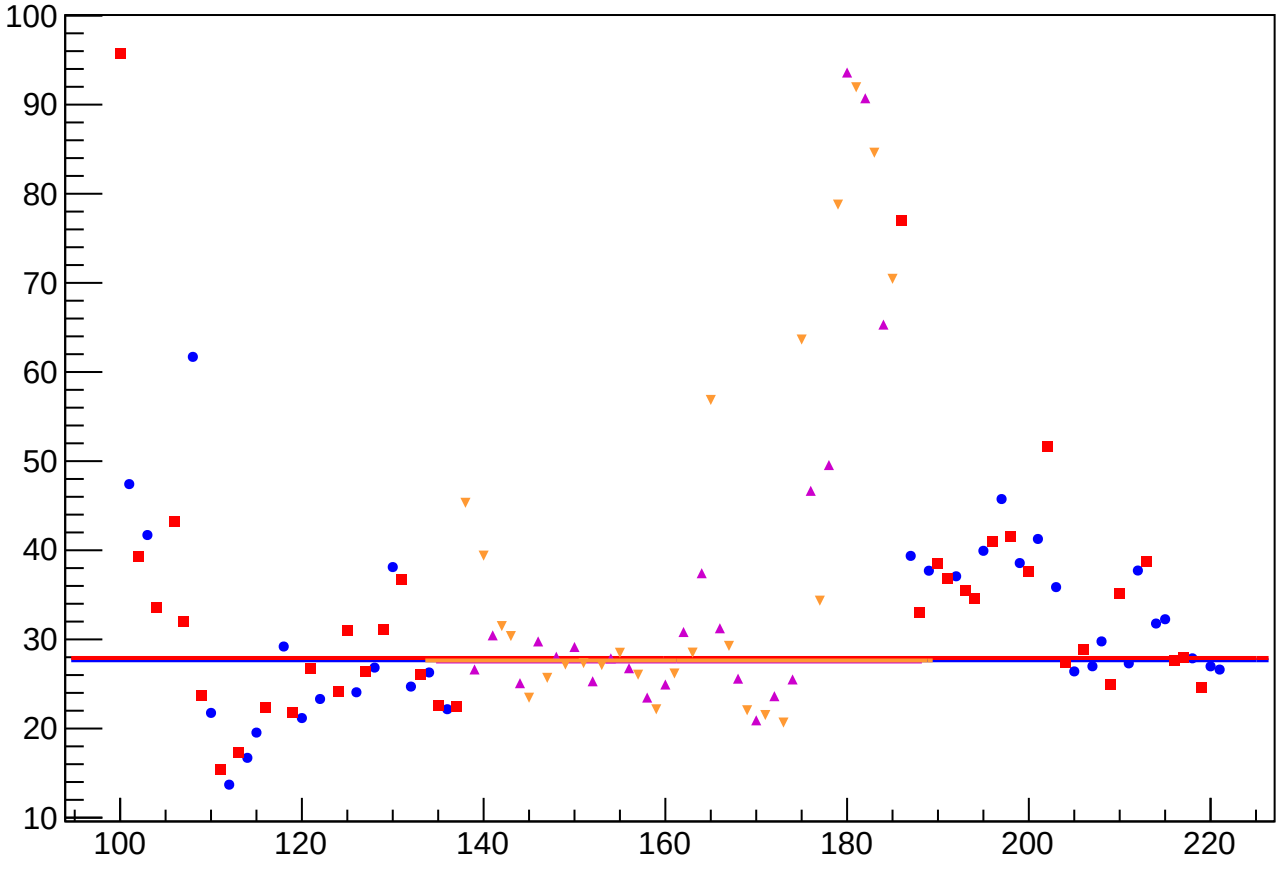
Right: -0.012+/-0.004 χ^2/NDF: 255.6/70

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.006+/-0.003 χ^2/NDF: 313.4/118

asym_sam_15_48_dd_eigen_dit_vs_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: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

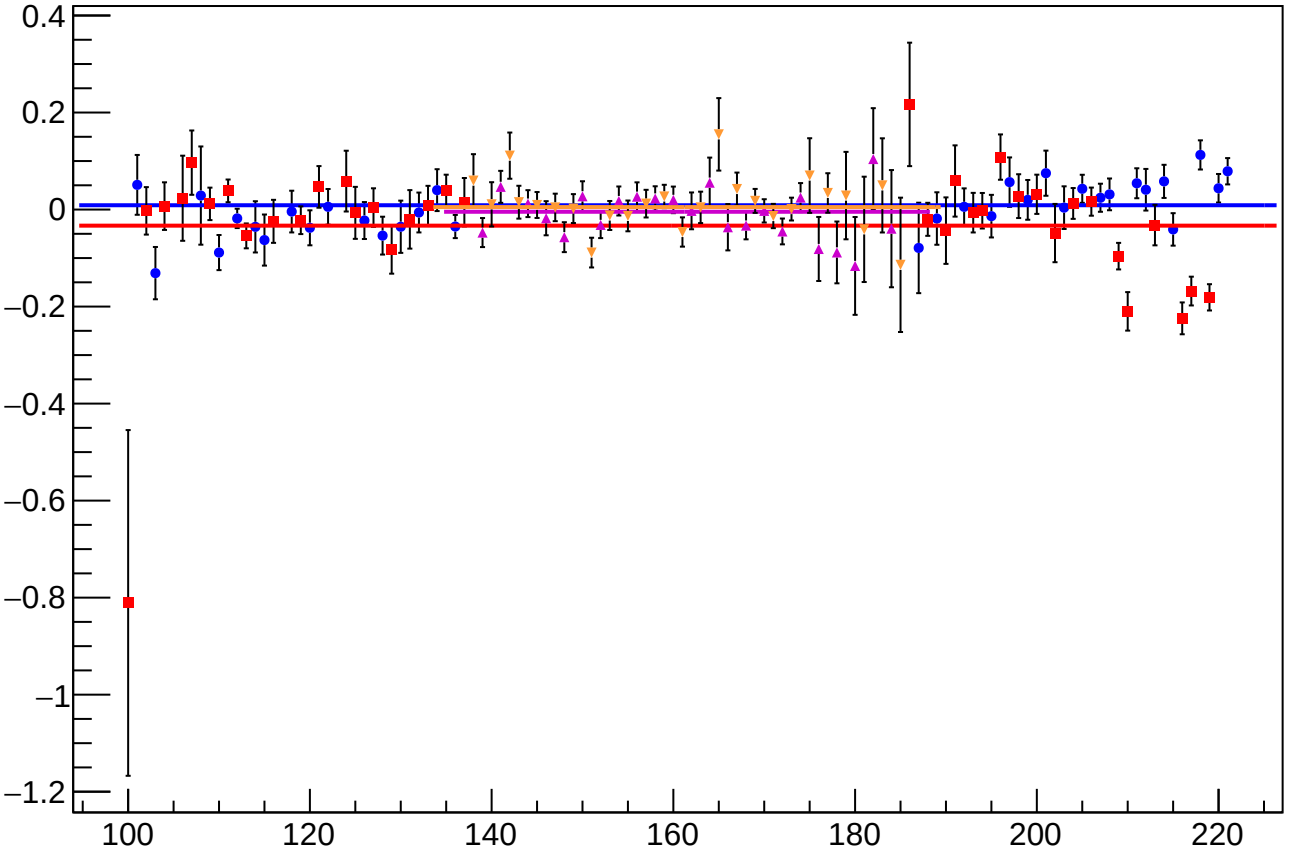
Right: 27.786+/-0.003 χ^2/NDF: 6331049.6/70

In: 27.600+/-0.003 χ^2/NDF:5886810.3/56

Out: 27.785+/-0.003 χ^2/NDF:7053387.5/61

All: 27.692+/-0.002 χ^2/NDF: 12941754.5/118

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

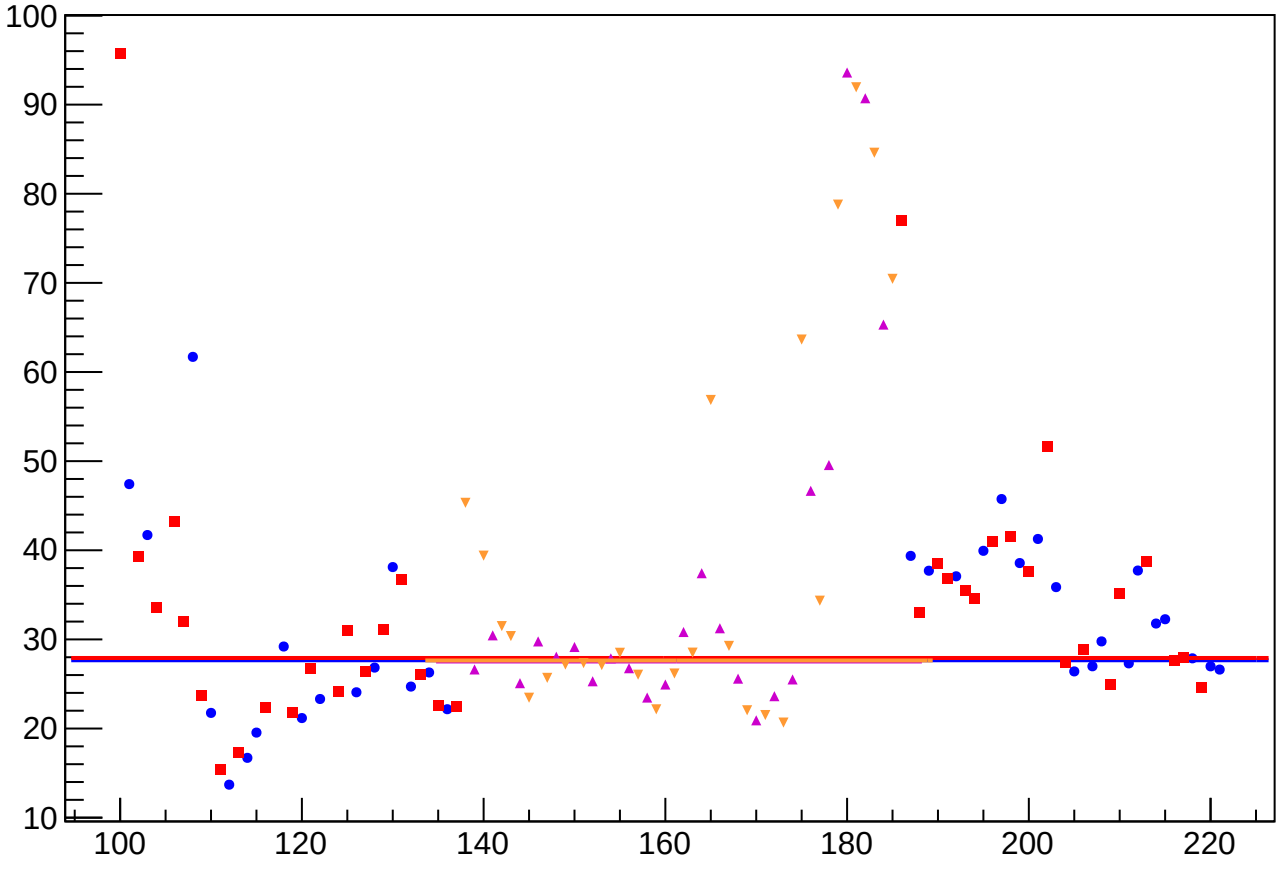
Right: -0.012+/-0.004 χ^2/NDF: 255.6/70

In: 0.003+/-0.005 χ^2/NDF:89.3/56

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.006+/-0.003 χ^2/NDF: 313.4/118

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: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

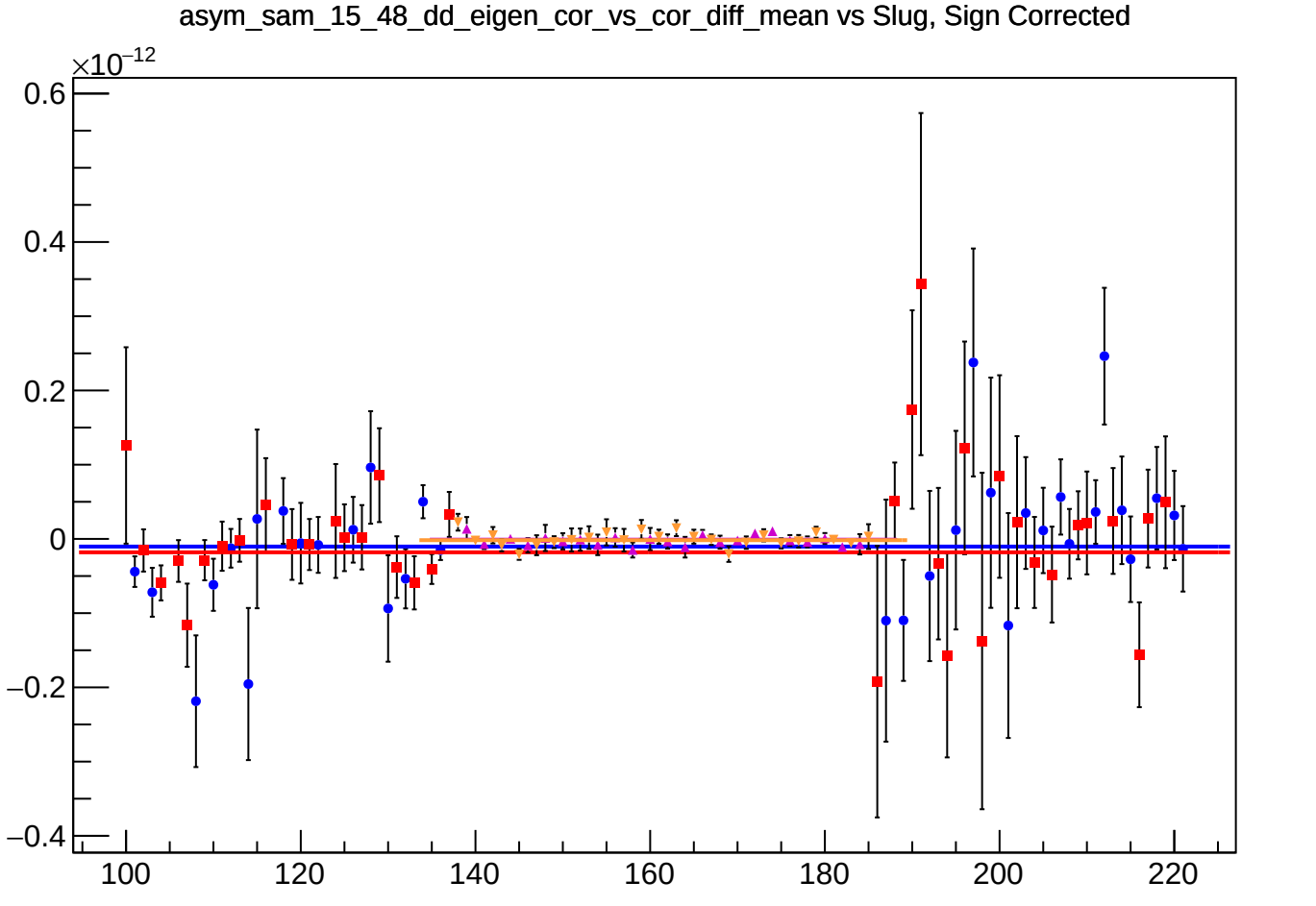
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.786+/-0.003 χ^2/NDF: 6331049.6/70

In: 27.600+/-0.003 χ^2/NDF:5886810.3/56

Out: 27.785+/-0.003 χ^2/NDF:7053387.5/61

All: 27.692+/-0.002 χ^2/NDF: 12941754.5/118



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: 34.9/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

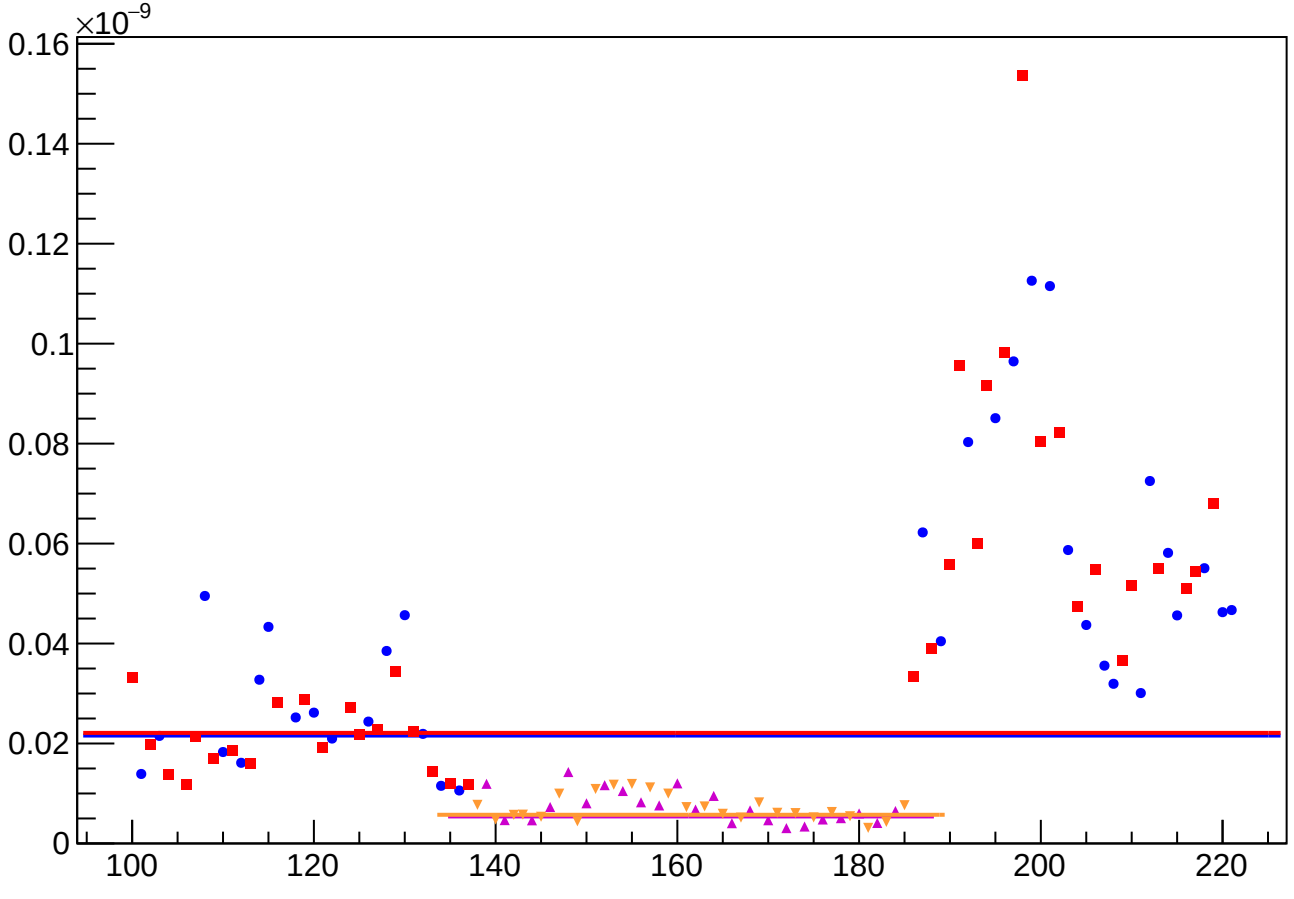
Right: -0.000+/-0.000 χ^2/NDF: 84.5/70

In: -0.000+/-0.000 χ^2/NDF:67.3/56

Out: -0.000+/-0.000 χ^2/NDF:64.0/61

All: -0.000+/-0.000 χ^2/NDF: 131.5/118

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: 8385023.2/36

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

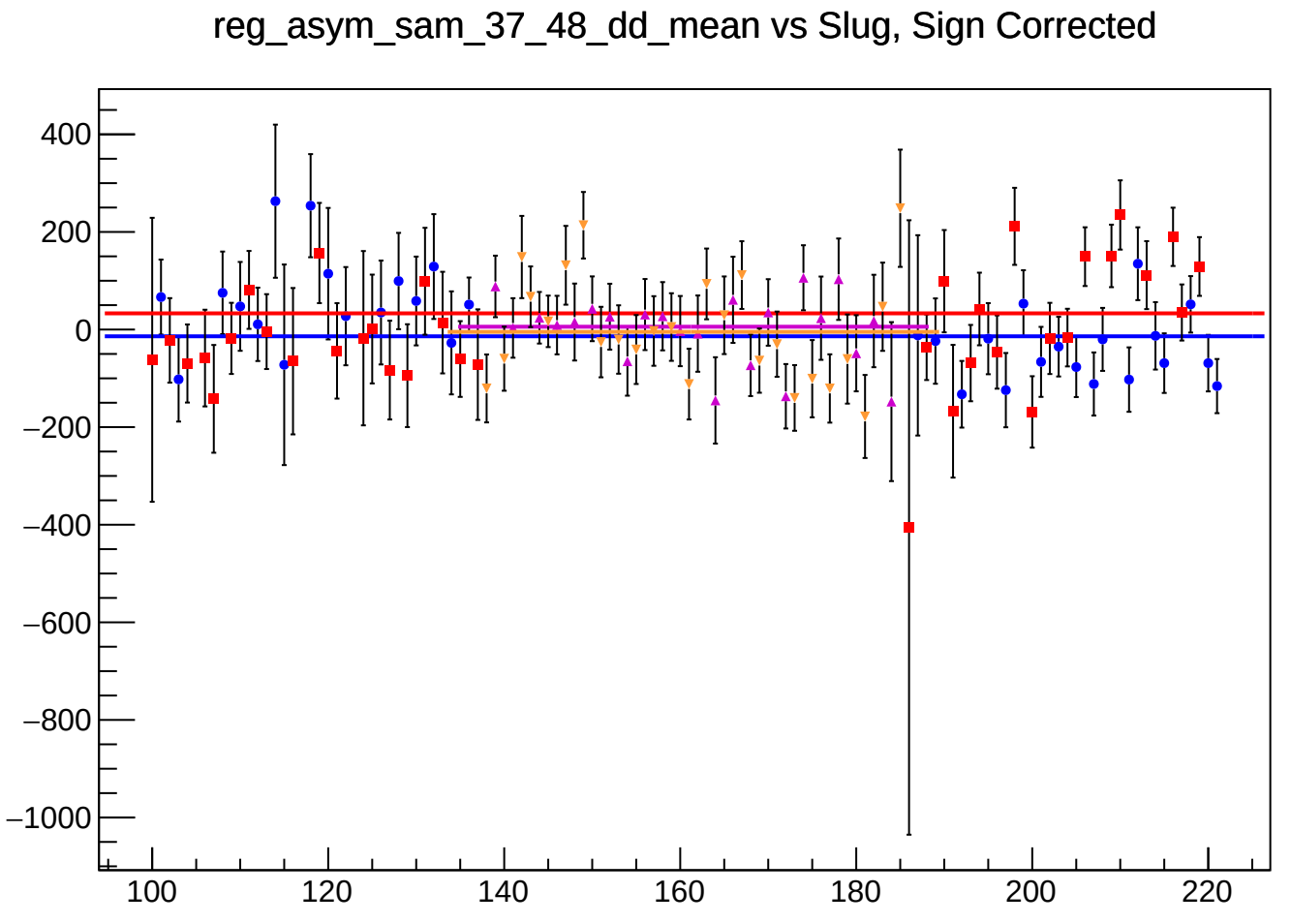
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18039879.2/70

In: 0.000+/-0.000 χ^2/NDF:23158632.5/56

Out: 0.000+/-0.000 χ^2/NDF:20600637.8/61

All: 0.000+/-0.000 χ^2/NDF: 43787927.1/118



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: 33.189+/-13.535 χ^2/NDF: 61.5/36

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

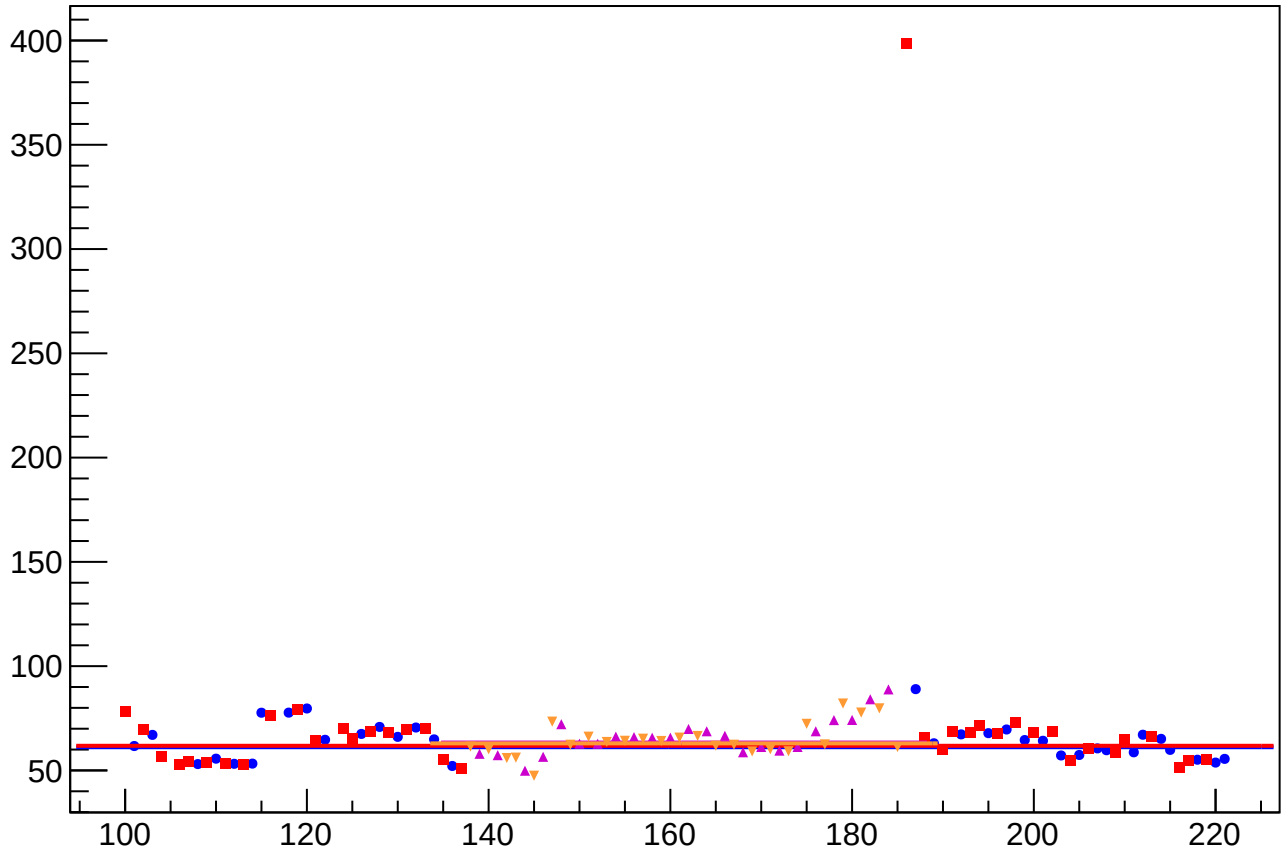
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 8.924+/-9.417 χ^2/NDF: 109.8/70

In: -5.302+/-9.852 χ^2/NDF:61.3/56

Out: 15.439+/-9.872 χ^2/NDF:112.6/61

All: 5.046+/-6.973 χ^2/NDF: 176.1/118



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: 61.812+/-0.010 χ^2/NDF: 1162944.9/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

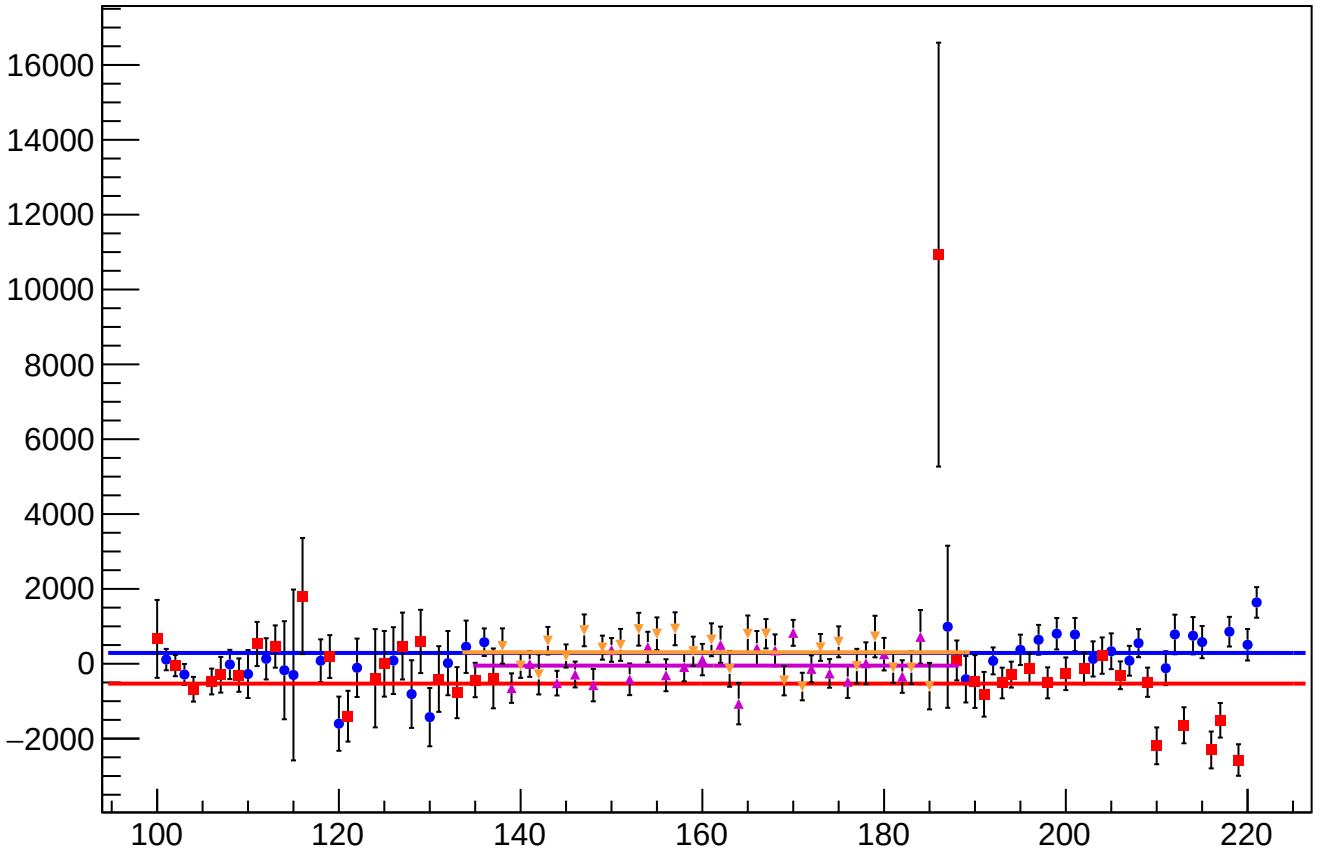
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.460+/-0.007 χ^2/NDF: 1652655.0/70

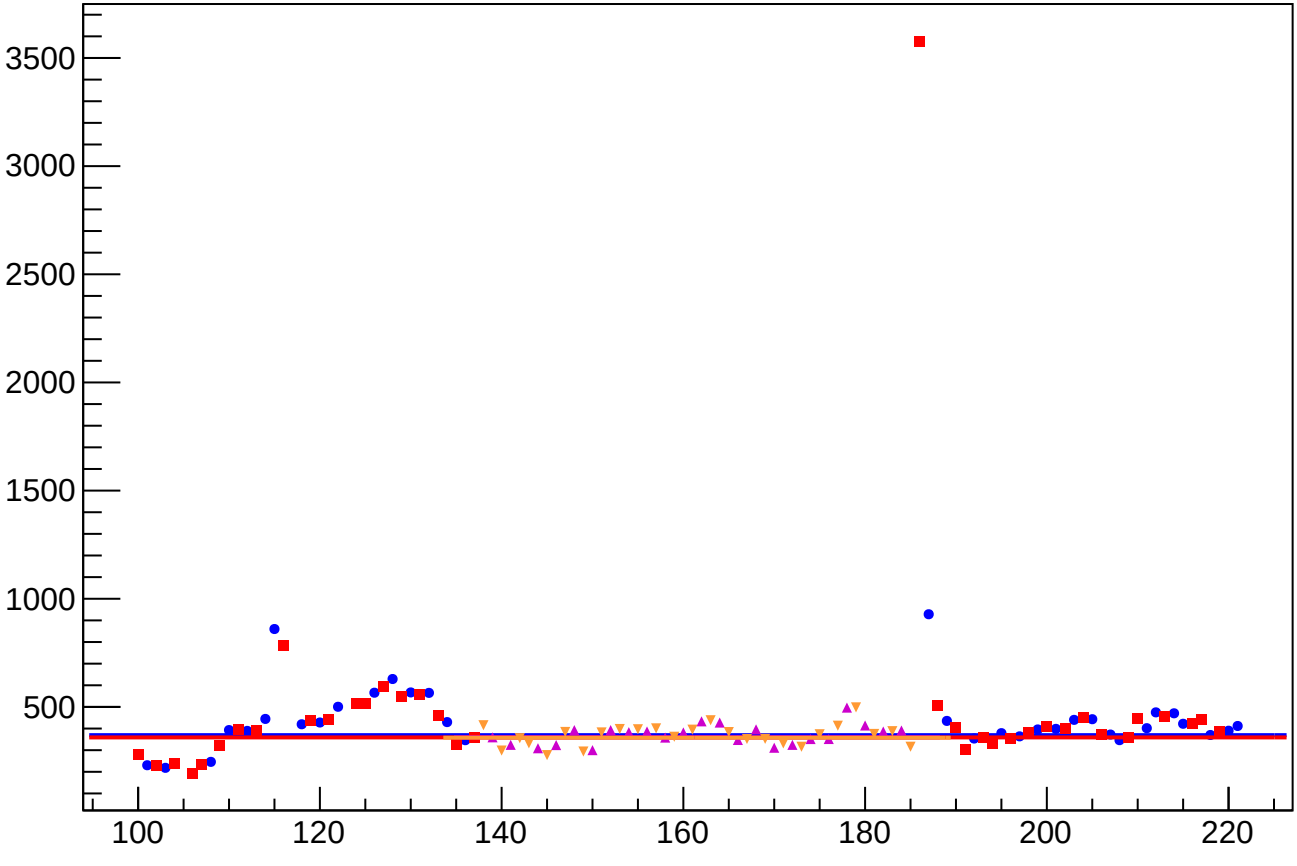
In: 62.103+/-0.007 χ^2/NDF:1009323.0/56

Out: 62.357+/-0.007 χ^2/NDF:1696727.1/61

All: 62.230+/-0.005 χ^2/NDF: 2706710.9/118


asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 288.756+/-81.300 χ²/NDF: 42.9/33
Left Out: 307.183+/-82.361 χ²/NDF:30.6/24
Right Out: -530.563+/-80.840 χ²/NDF: 89.3/36
Left In: -50.030+/-84.838 χ²/NDF:27.3/22
Left: 133.867+/-59.094 χ²/NDF: 67.0/47
Right: -123.229+/-57.325 χ²/NDF: 183.3/70
In: 126.574+/-58.699 χ²/NDF:78.5/56
Out: -119.498+/-57.693 χ²/NDF:172.6/61
All: 1.411+/-41.146 χ²/NDF: 260.1/118

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: 358.979+/-0.057 χ^2/NDF: 3281536.0/36

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

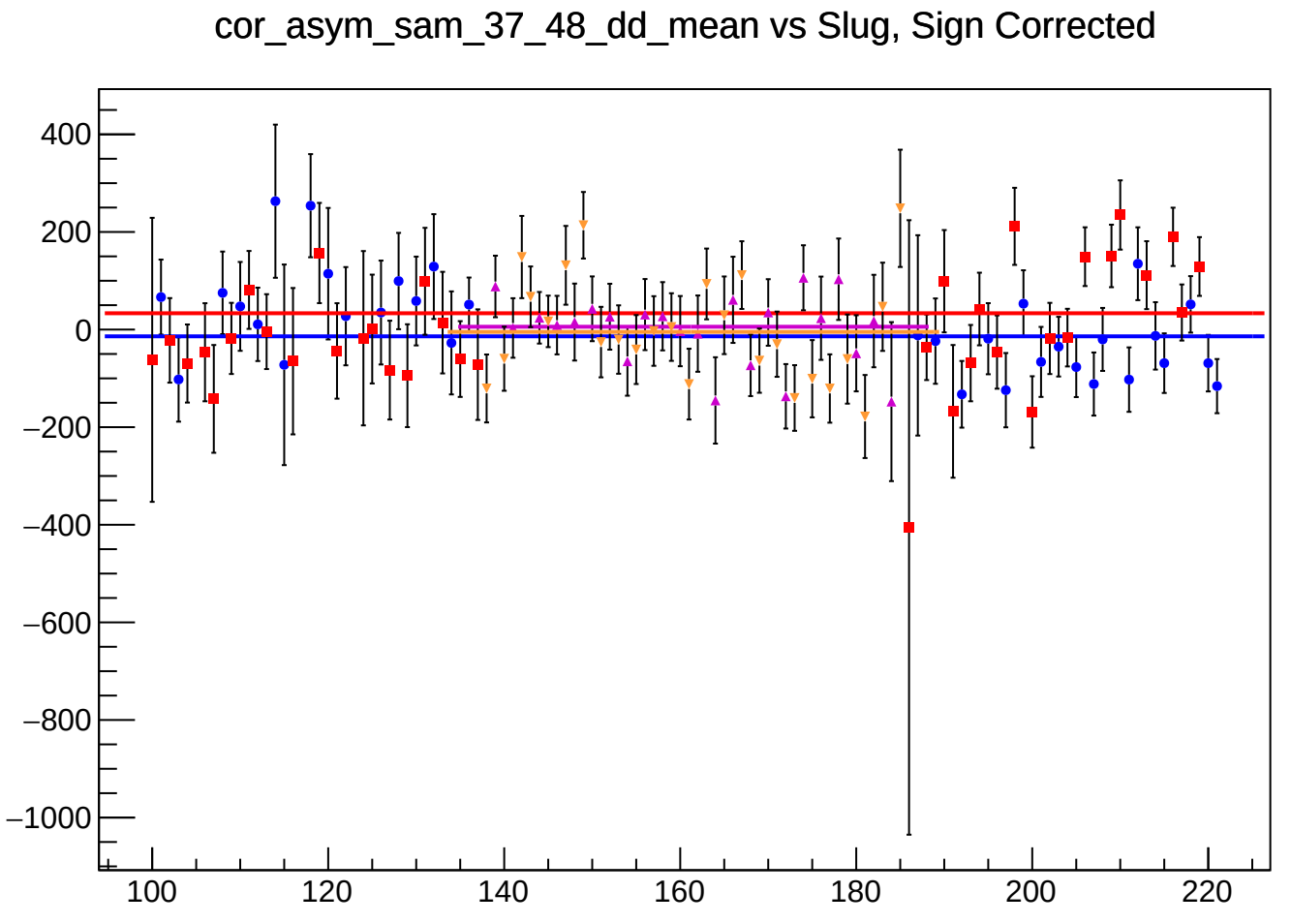
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 364.207+/-0.041 χ^2/NDF: 5760837.5/70

In: 364.638+/-0.042 χ^2/NDF:2997145.3/56

Out: 358.367+/-0.041 χ^2/NDF:3965500.3/61

All: 361.449+/-0.029 χ^2/NDF: 6974257.9/118



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: 33.456+/-13.538 χ^2/NDF: 61.3/36

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

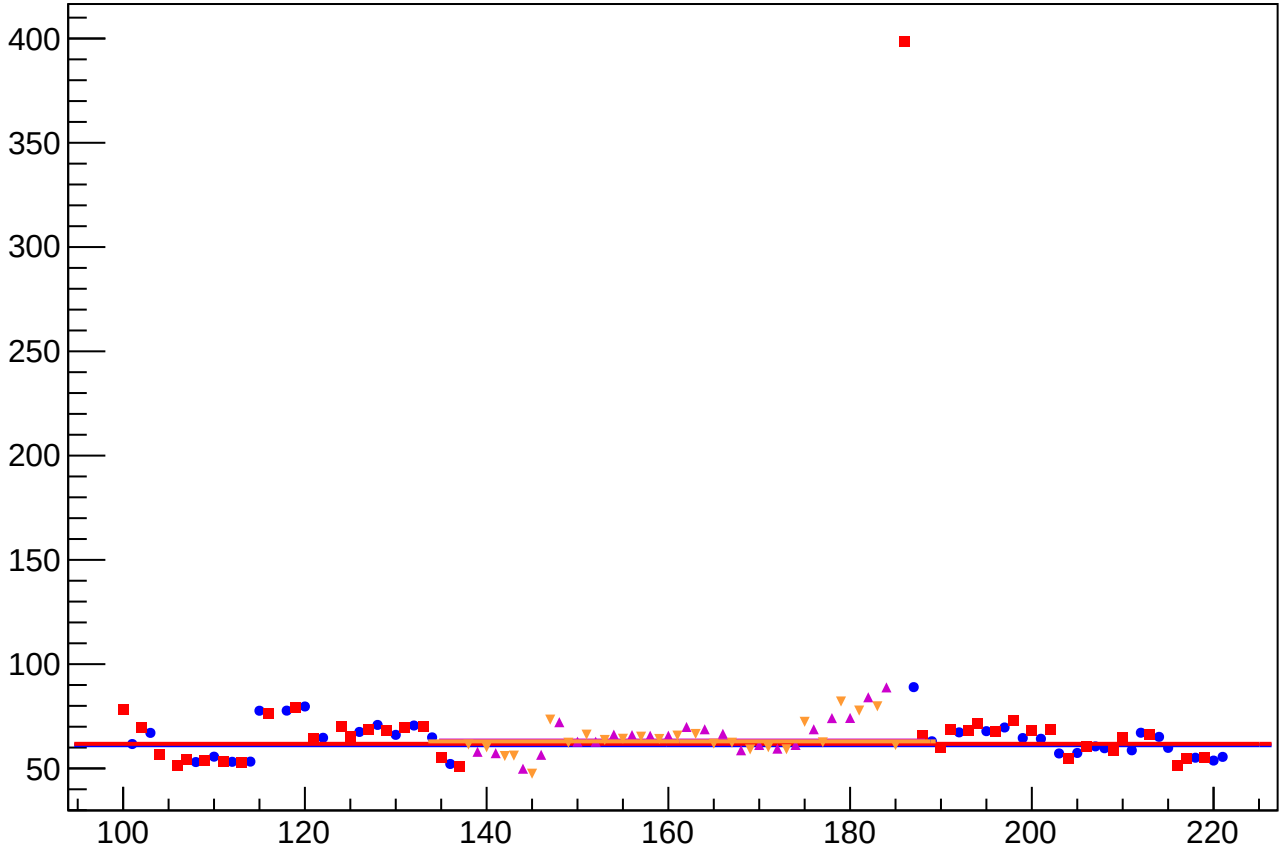
Right: 9.045+/-9.418 χ^2/NDF: 109.7/70

In: -5.304+/-9.852 χ^2/NDF:61.3/56

Out: 15.573+/-9.874 χ^2/NDF:112.4/61

All: 5.111+/-6.974 χ^2/NDF: 176.0/118

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: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

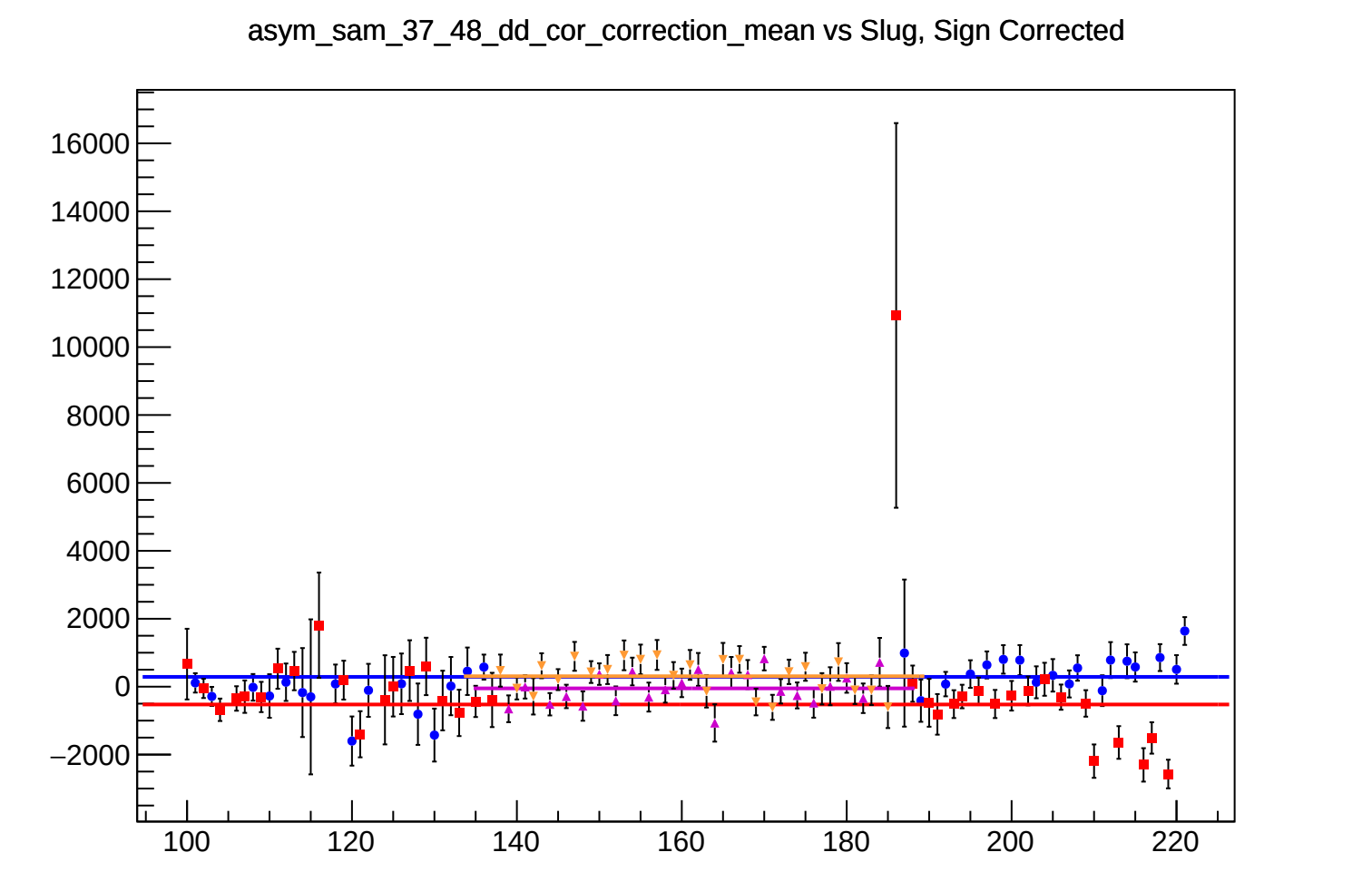
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.453+/-0.007 χ^2/NDF: 1656213.6/70

In: 62.103+/-0.007 χ^2/NDF:1009323.2/56

Out: 62.349+/-0.007 χ^2/NDF:1700562.7/61

All: 62.226+/-0.005 χ^2/NDF: 2710508.6/118



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: -524.582+/-81.039 χ^2/NDF: 89.5/36

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

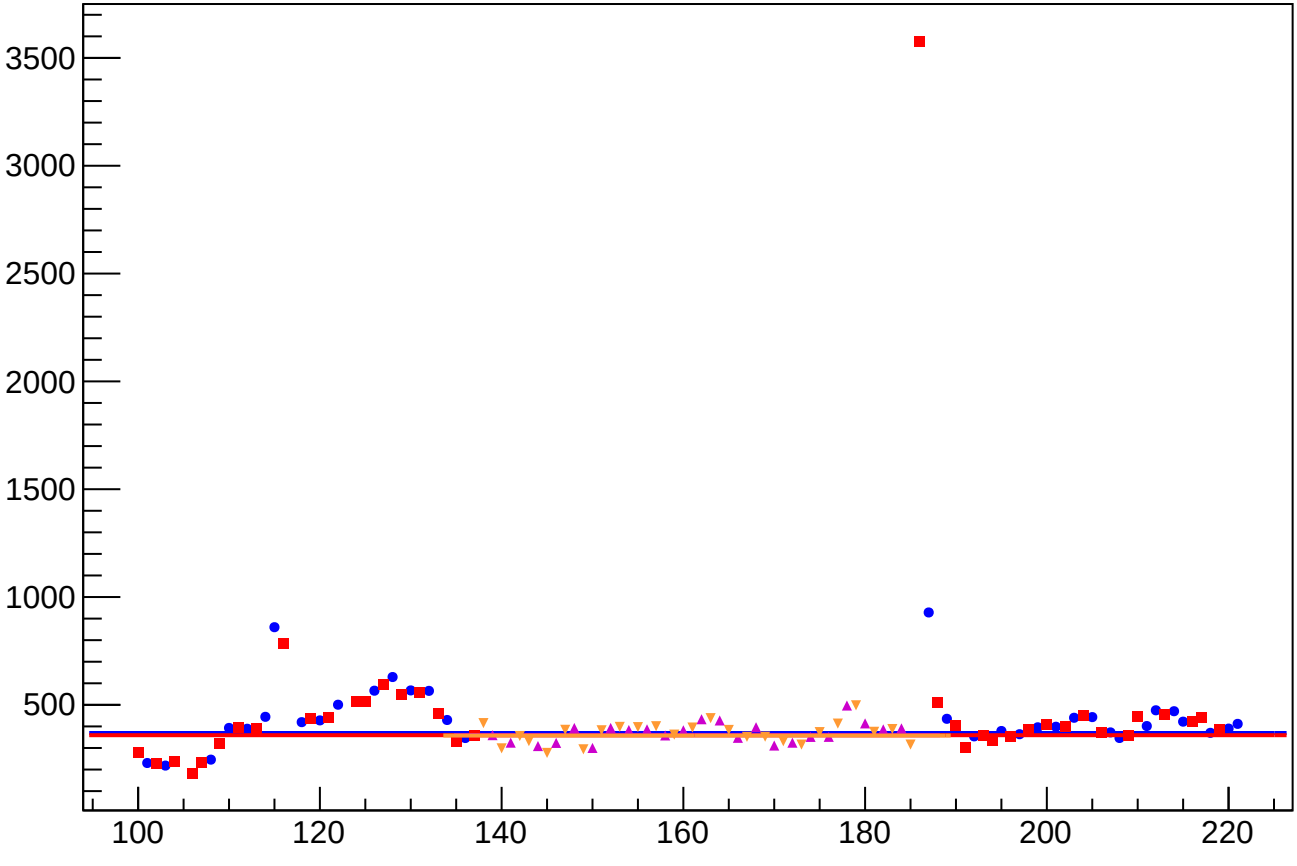
Right: -119.221+/-57.395 χ^2/NDF: 182.7/70

In: 126.577+/-58.699 χ^2/NDF:78.5/56

Out: -115.433+/-57.765 χ^2/NDF:172.0/61

All: 3.631+/-41.172 χ^2/NDF: 259.1/118

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: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

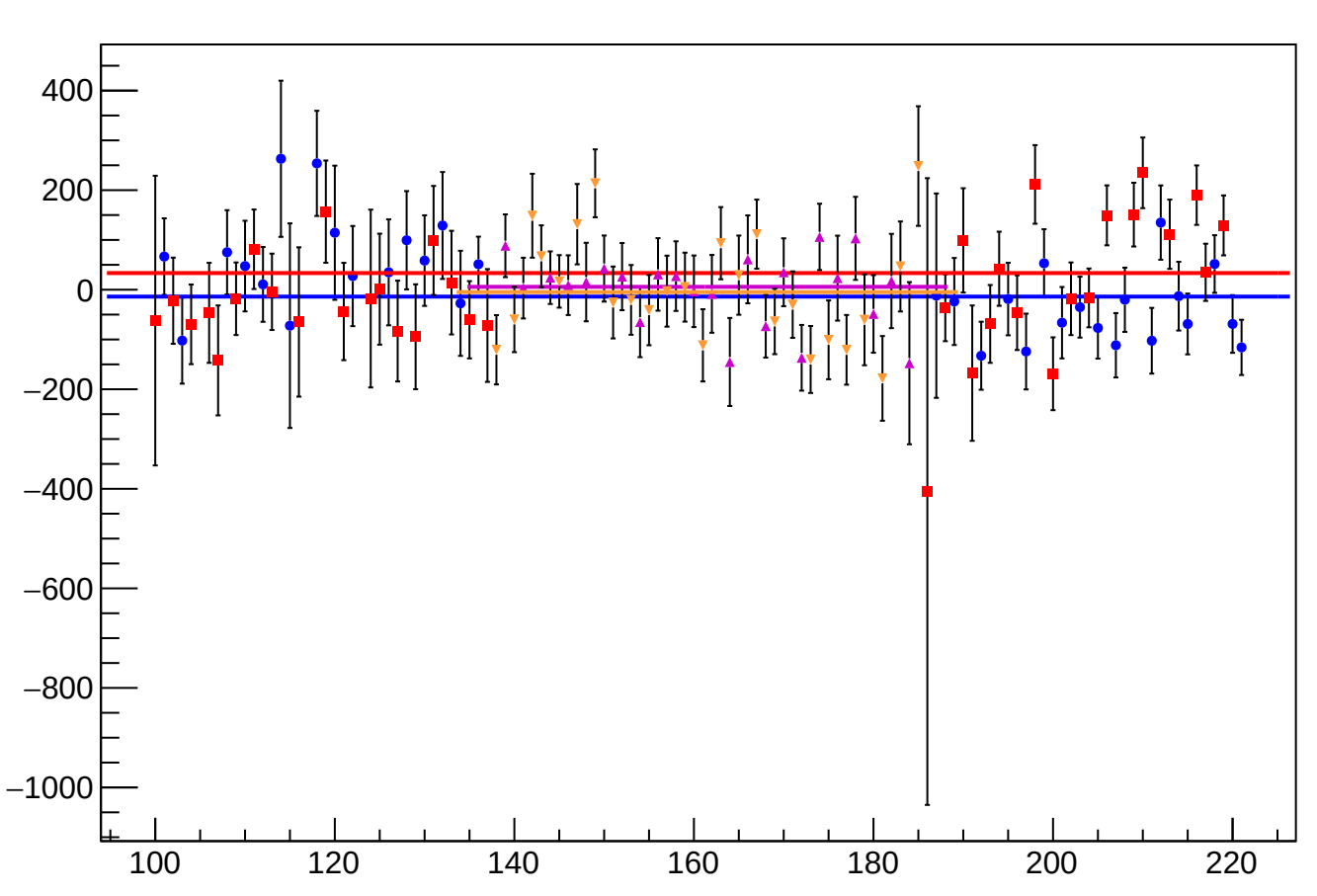
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 364.374+/-0.041 χ^2/NDF: 5772829.9/70

In: 364.639+/-0.042 χ^2/NDF:2997059.4/56

Out: 358.520+/-0.041 χ^2/NDF:3978703.6/61

All: 361.531+/-0.029 χ^2/NDF: 6986803.5/118



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: 33.456+/-13.538 χ^2/NDF: 61.3/36

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

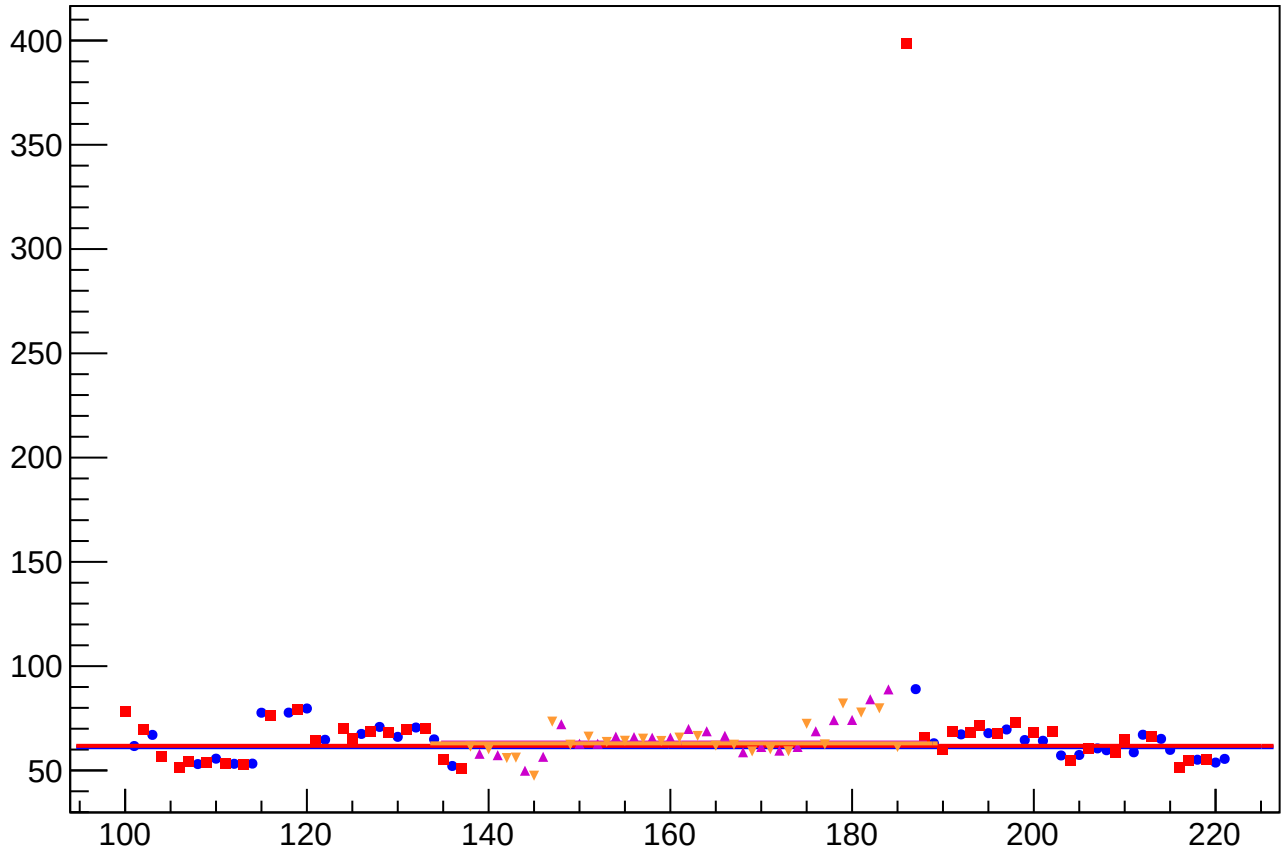
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 9.045+/-9.418 χ^2/NDF: 109.7/70

In: -5.304+/-9.852 χ^2/NDF:61.3/56

Out: 15.573+/-9.874 χ^2/NDF:112.4/61

All: 5.111+/-6.974 χ^2/NDF: 176.0/118



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: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

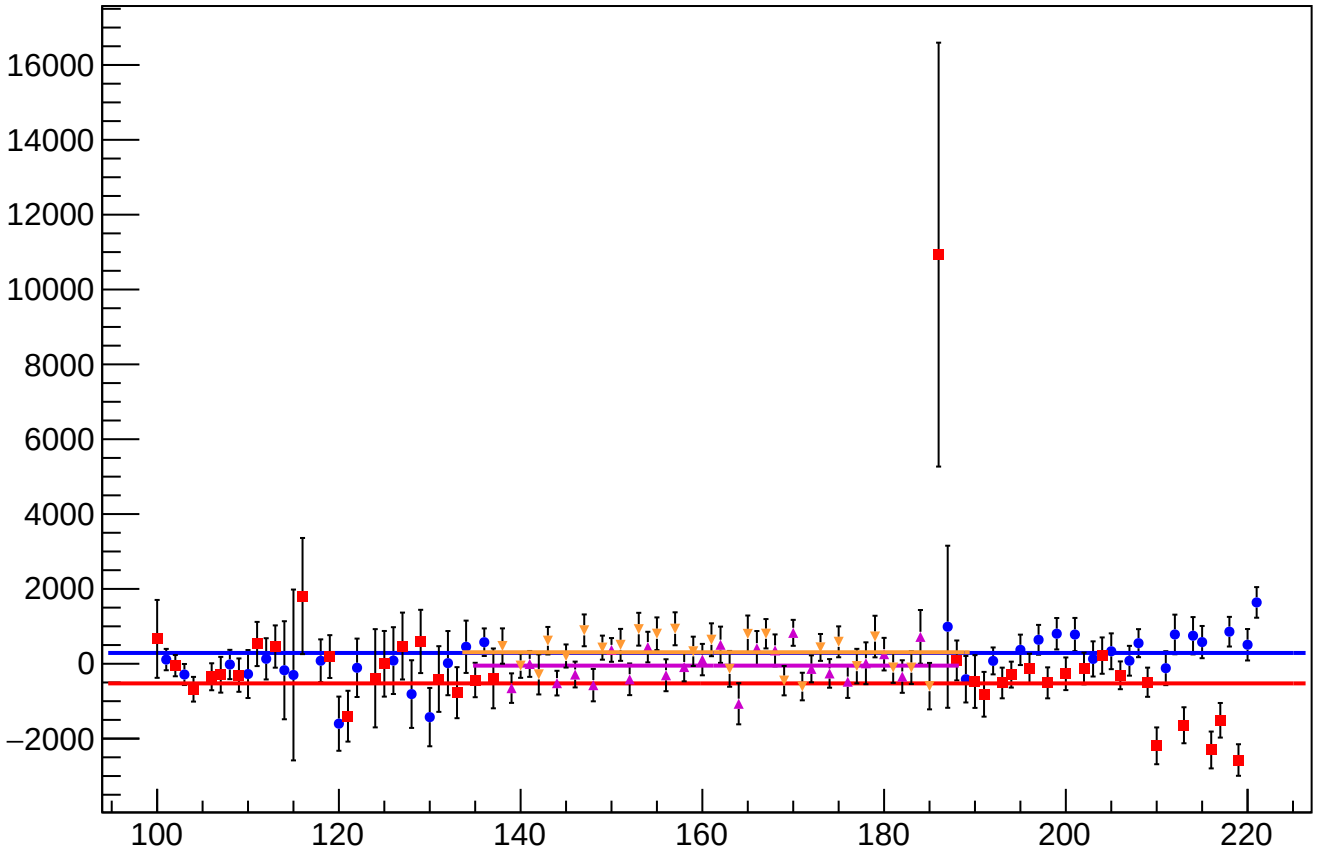
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.453+/-0.007 χ^2/NDF: 1656213.6/70

In: 62.103+/-0.007 χ^2/NDF:1009323.2/56

Out: 62.349+/-0.007 χ^2/NDF:1700562.7/61

All: 62.226+/-0.005 χ^2/NDF: 2710508.6/118



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: -524.582+/-81.039 χ^2/NDF: 89.5/36

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

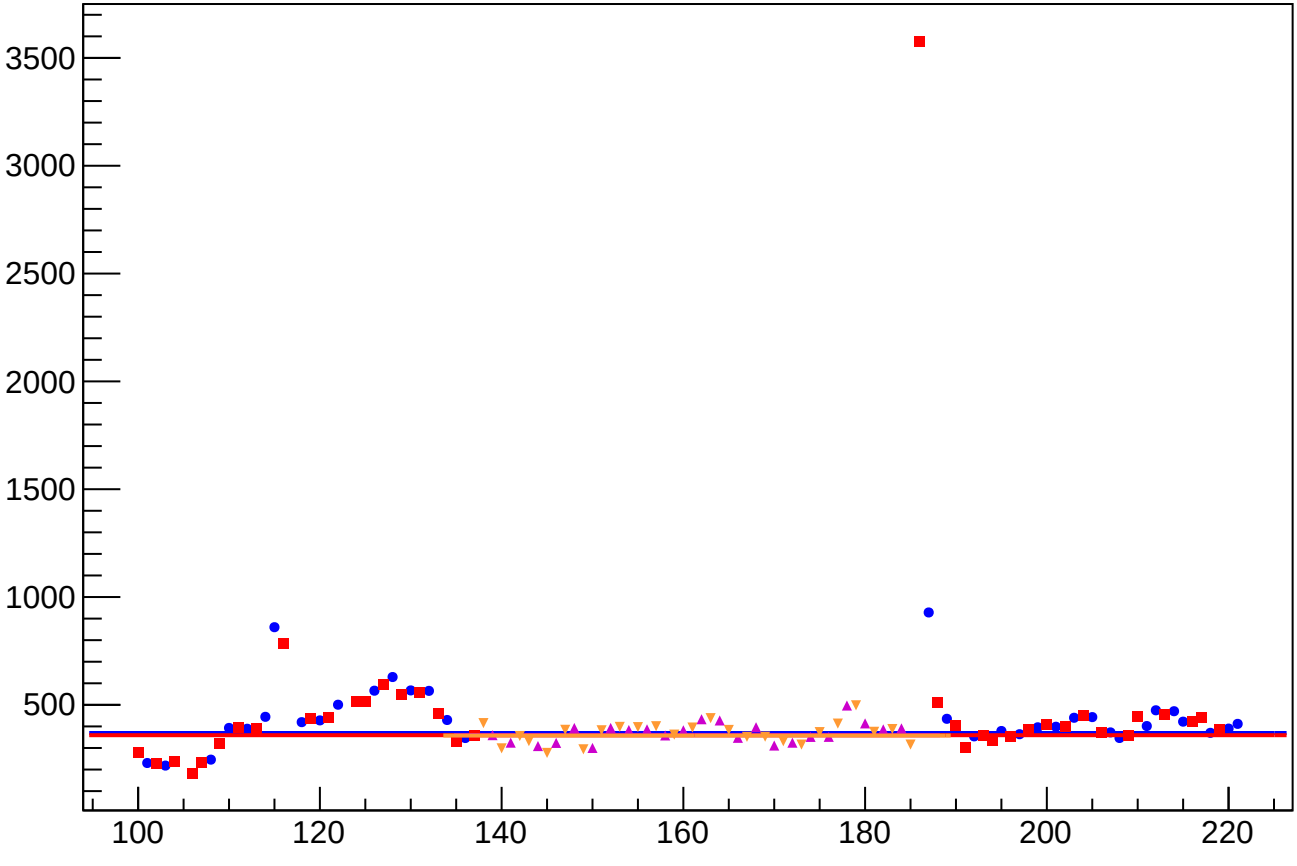
Right: -119.221+/-57.395 χ^2/NDF: 182.7/70

In: 126.577+/-58.699 χ^2/NDF:78.5/56

Out: -115.433+/-57.765 χ^2/NDF:172.0/61

All: 3.631+/-41.172 χ^2/NDF: 259.1/118

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: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

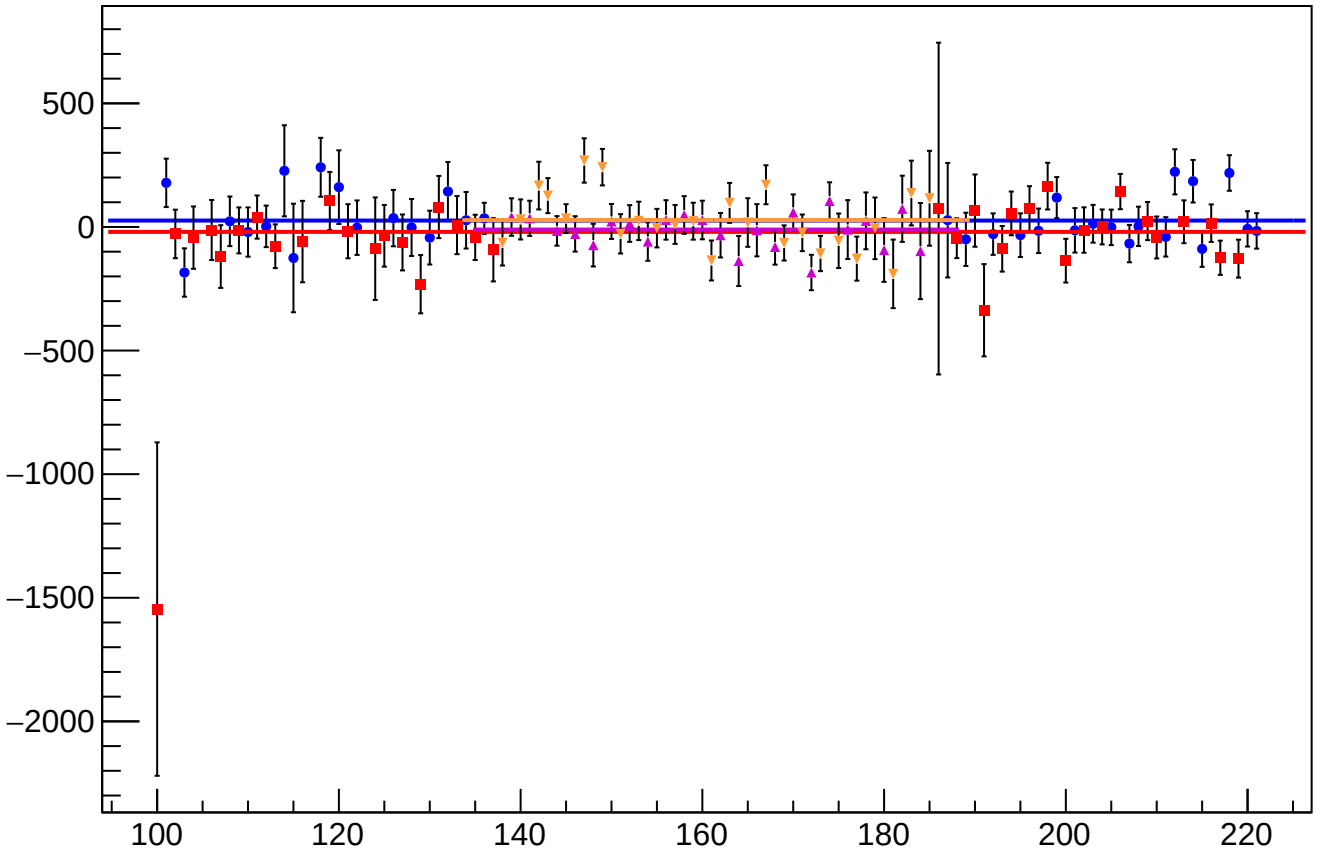
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 364.374+/-0.041 χ^2/NDF: 5772829.9/70

In: 364.639+/-0.042 χ^2/NDF:2997059.4/56

Out: 358.520+/-0.041 χ^2/NDF:3978703.6/61

All: 361.531+/-0.029 χ^2/NDF: 6986803.5/118



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: -19.846+/-16.293 χ^2/NDF: 34.2/36

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

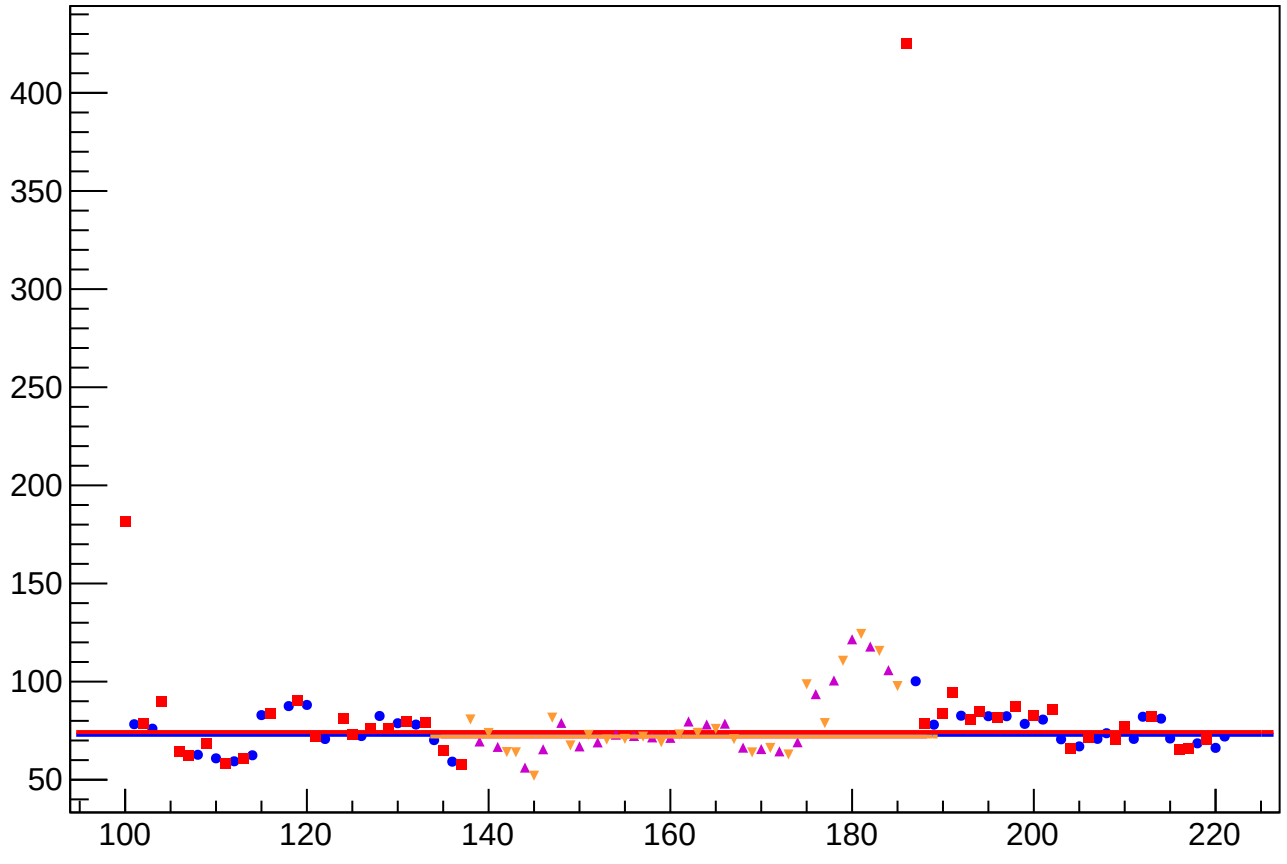
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 3.948+/-11.287 χ^2/NDF: 76.7/70

In: 9.431+/-11.583 χ^2/NDF:56.9/56

Out: 3.245+/-11.676 χ^2/NDF:80.6/61

All: 6.363+/-8.223 χ^2/NDF: 137.7/118



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: 74.302+/-0.012 χ^2/NDF: 1188644.8/36

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

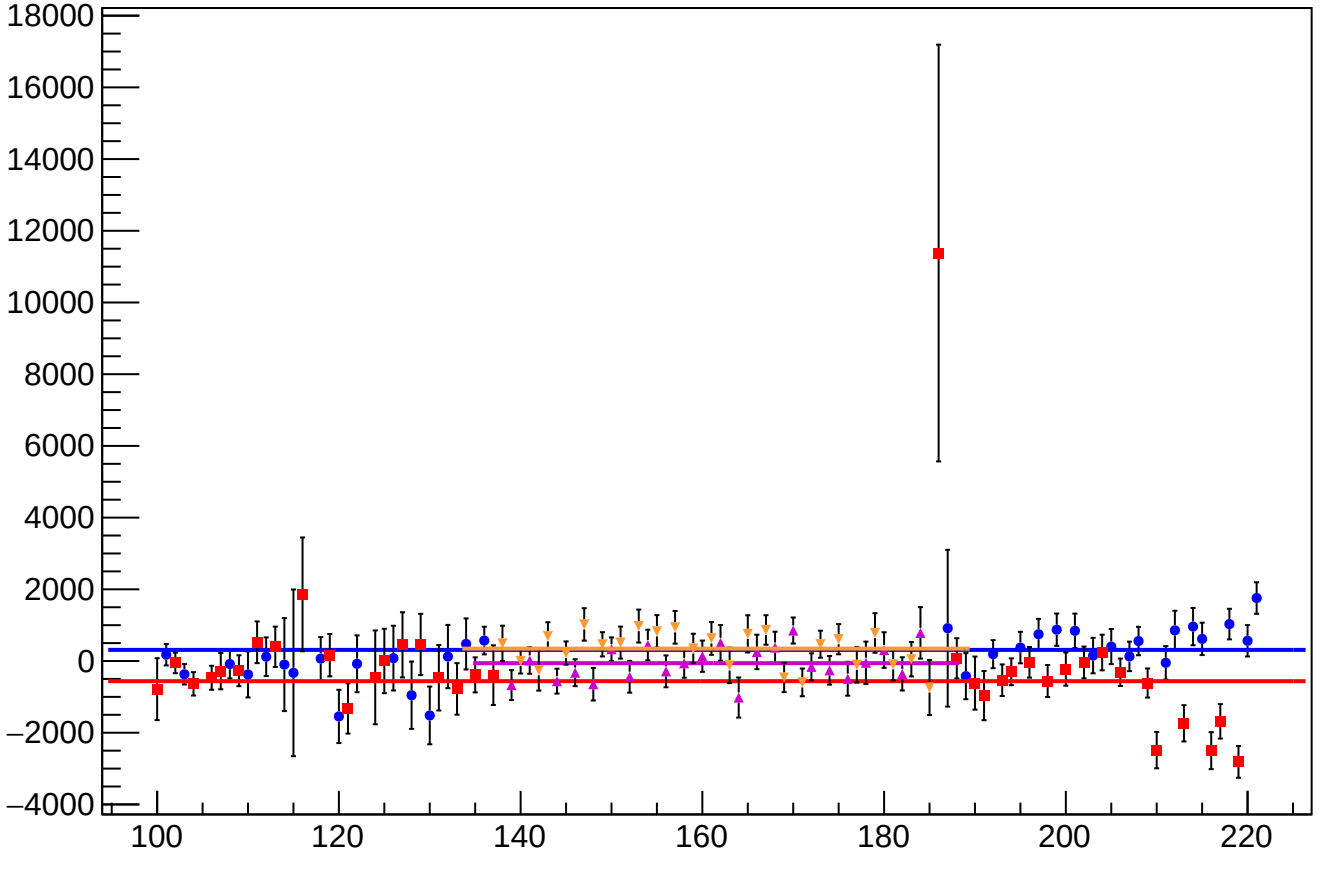
Right: 73.574+/-0.008 χ^2/NDF: 1698600.9/70

In: 72.535+/-0.008 χ^2/NDF:1563540.2/56

Out: 73.202+/-0.008 χ^2/NDF:2476862.1/61

All: 72.866+/-0.006 χ^2/NDF: 4043690.4/118

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



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: -561.802+/-83.520 χ^2/NDF: 96.8/36

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

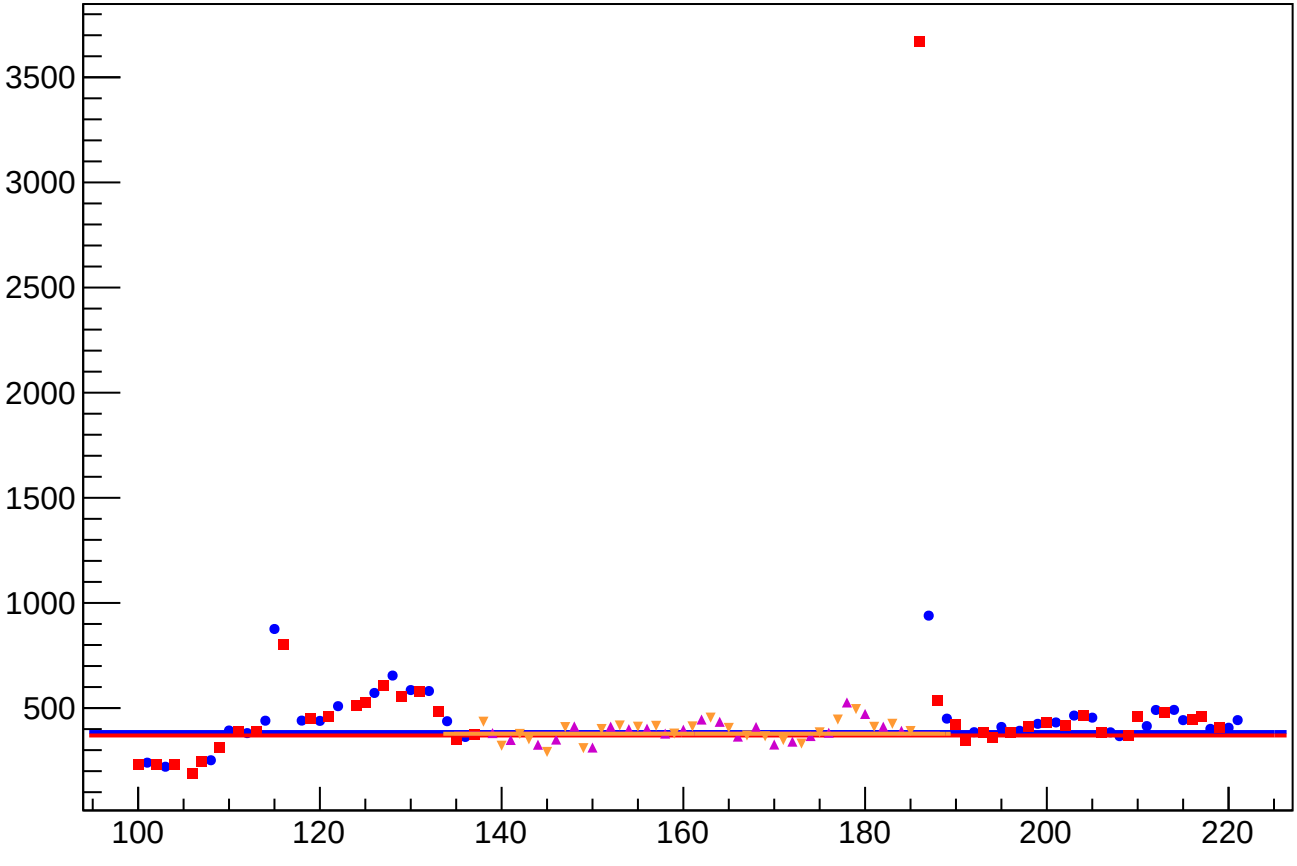
Right: -132.912+/-59.553 χ^2/NDF: 196.6/70

In: 134.889+/-61.582 χ^2/NDF:81.1/56

Out: -125.509+/-60.191 χ^2/NDF:182.5/61

All: 1.717+/-43.045 χ^2/NDF: 272.7/118

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: 369.656+/-0.059 χ^2/NDF: 3597590.8/36

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

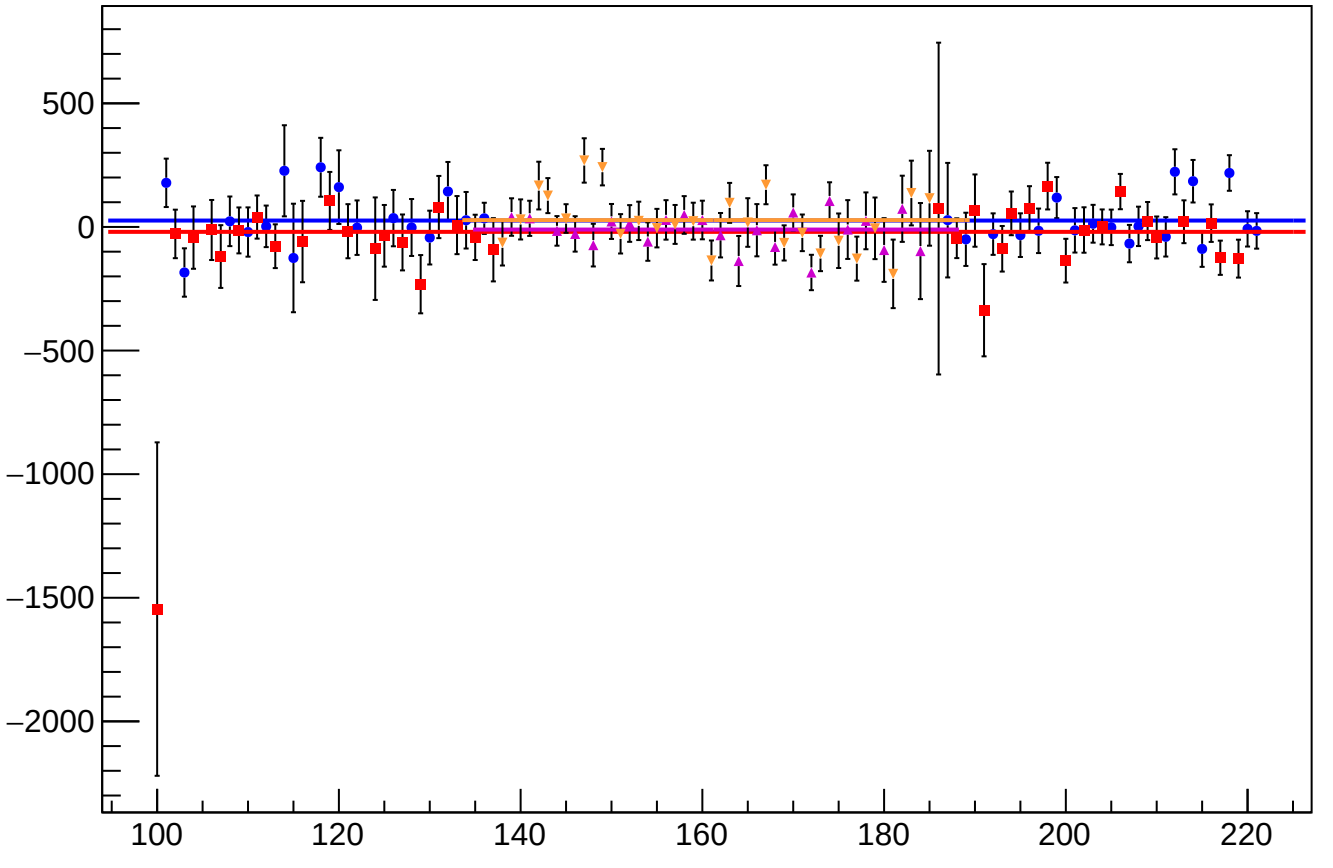
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 377.676+/-0.042 χ^2/NDF: 6182953.5/70

In: 382.602+/-0.044 χ^2/NDF:3082165.1/56

Out: 373.569+/-0.043 χ^2/NDF:4243437.8/61

All: 377.982+/-0.030 χ^2/NDF: 7347612.4/118



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: -19.845+/-16.293 χ^2/NDF: 34.2/36

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

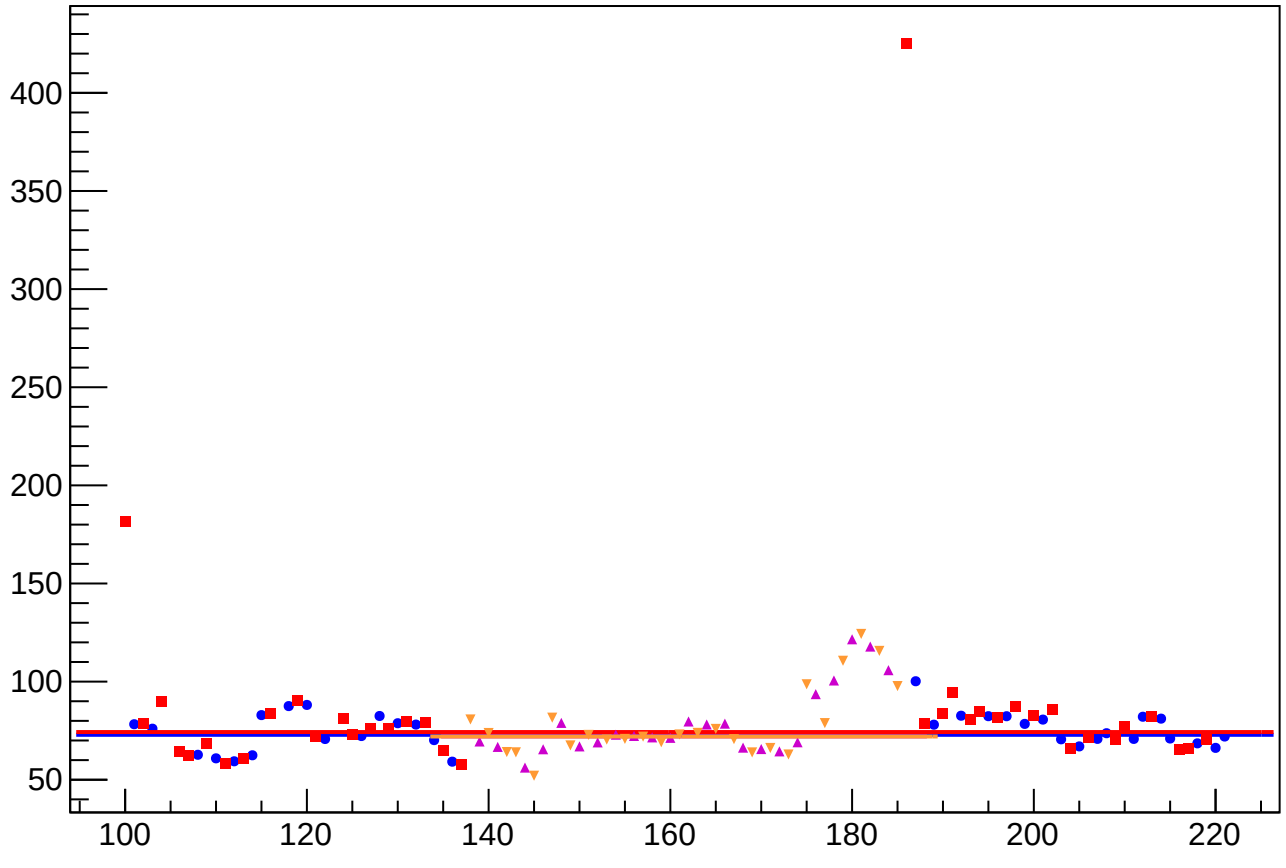
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 3.948+/-11.287 χ^2/NDF: 76.7/70

In: 9.431+/-11.583 χ^2/NDF:56.9/56

Out: 3.245+/-11.676 χ^2/NDF:80.6/61

All: 6.362+/-8.223 χ^2/NDF: 137.7/118



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: 74.302+/-0.012 χ^2/NDF: 1188644.6/36

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

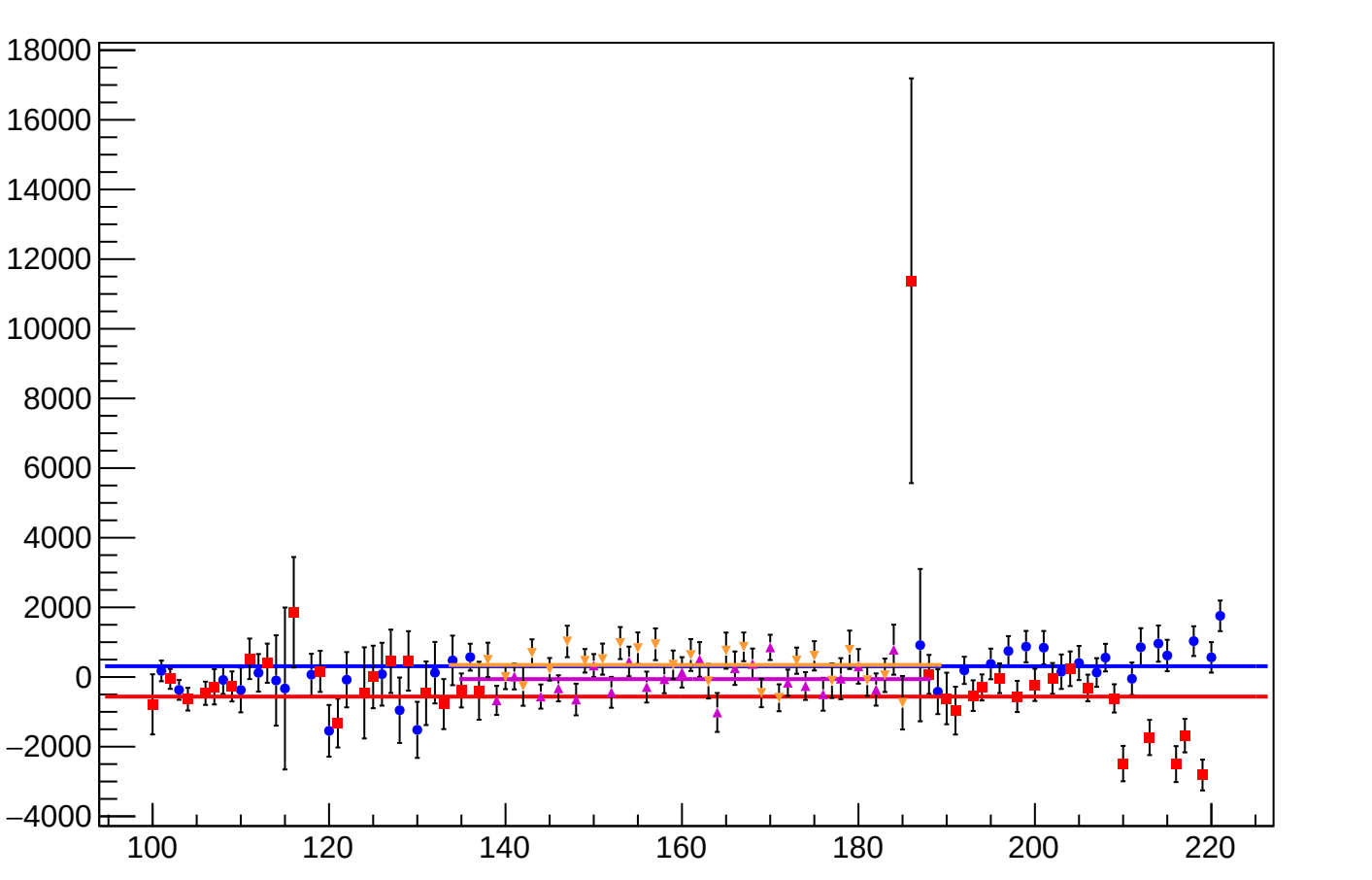
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 73.573+/-0.008 χ^2/NDF: 1698608.7/70

In: 72.535+/-0.008 χ^2/NDF:1563535.9/56

Out: 73.202+/-0.008 χ^2/NDF:2476867.5/61

All: 72.866+/-0.006 χ^2/NDF: 4043692.3/118



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: -561.802+/-83.519 χ^2/NDF: 96.8/36

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

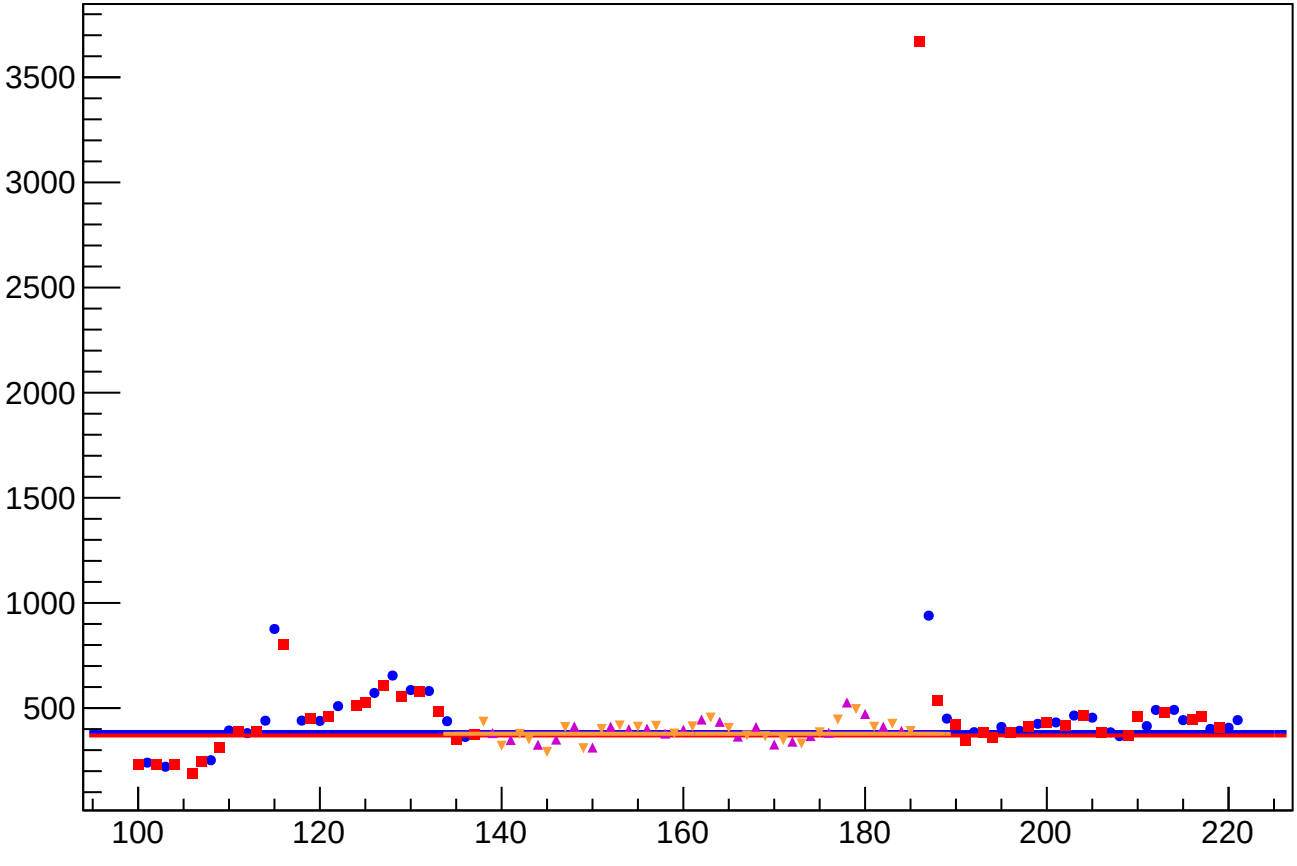
Right: -132.912+/-59.553 χ^2/NDF: 196.6/70

In: 134.890+/-61.582 χ^2/NDF:81.1/56

Out: -125.509+/-60.191 χ^2/NDF:182.5/61

All: 1.717+/-43.045 χ^2/NDF: 272.7/118

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 369.656+/-0.059 χ^2/NDF: 3597574.7/36

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

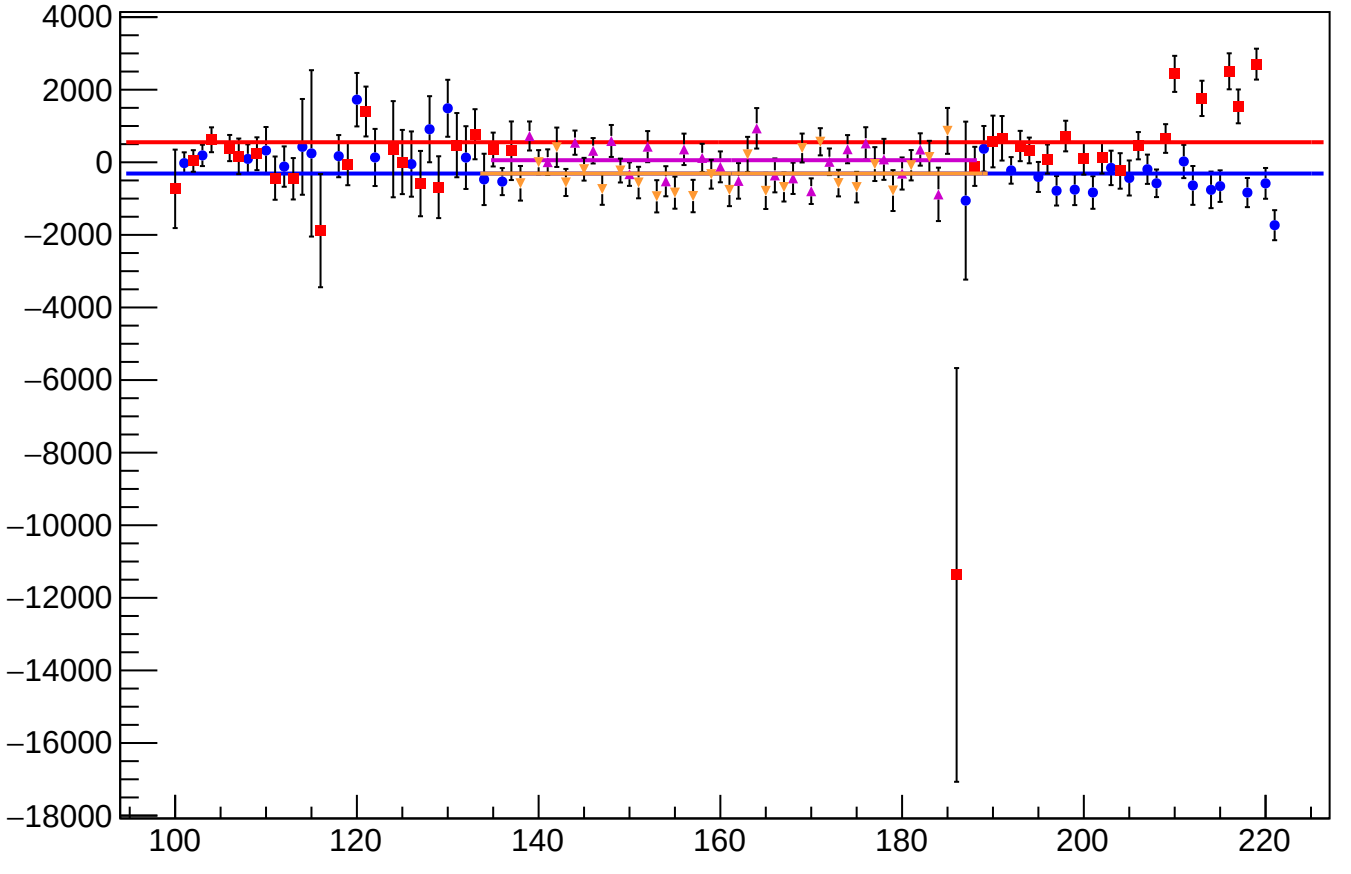
Right: 377.676+/-0.042 χ^2/NDF: 6182919.5/70

In: 382.602+/-0.044 χ^2/NDF:3082142.8/56

Out: 373.568+/-0.043 χ^2/NDF:4243421.4/61

All: 377.982+/-0.030 χ^2/NDF: 7347574.1/118

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: 552.690+/-82.466 χ^2/NDF: 99.9/36

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

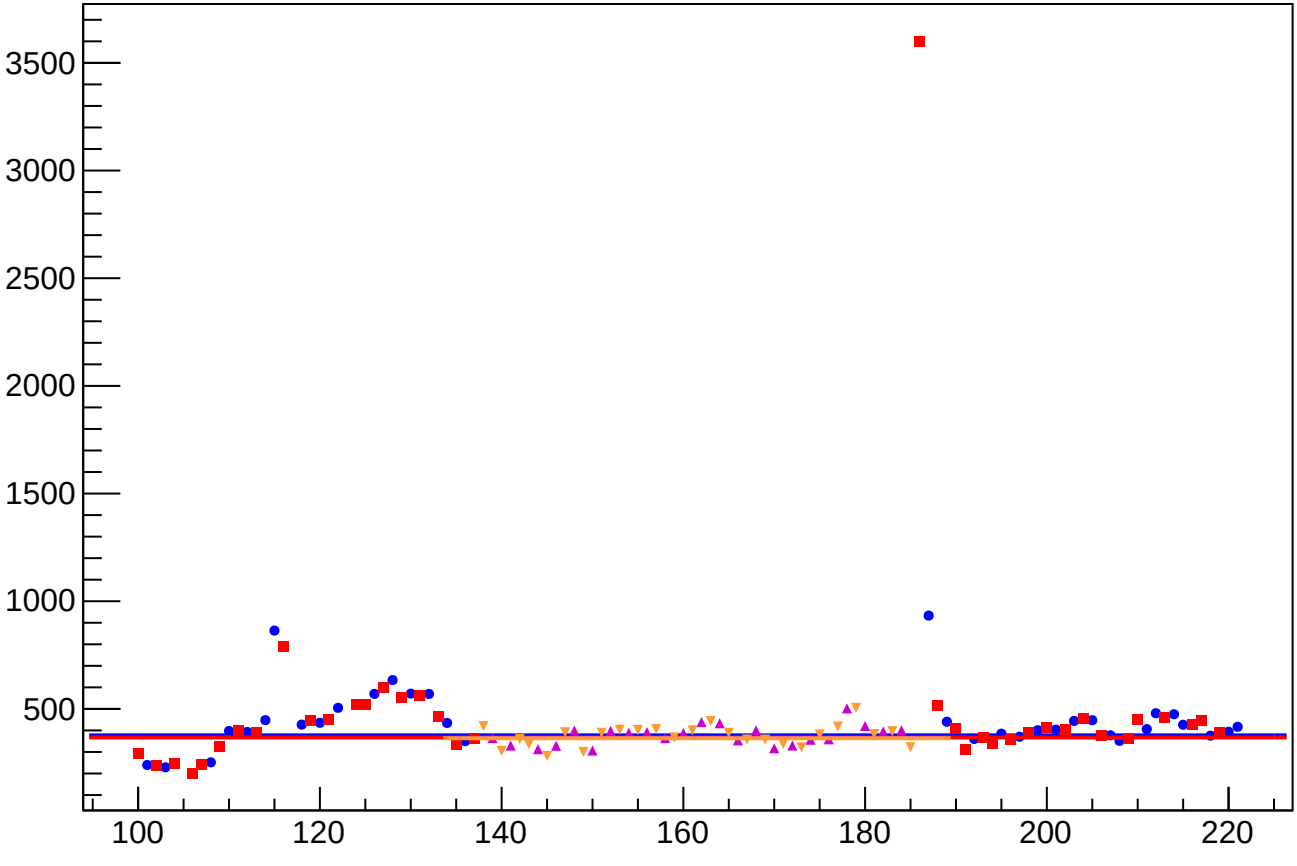
Right: 123.002+/-58.419 χ^2/NDF: 199.4/70

In: -133.660+/-59.711 χ^2/NDF:82.4/56

Out: 128.108+/-58.746 χ^2/NDF:183.7/61

All: -0.644+/-41.877 χ^2/NDF: 275.9/118

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: 367.239+/-0.058 χ^2/NDF: 3064551.5/36

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

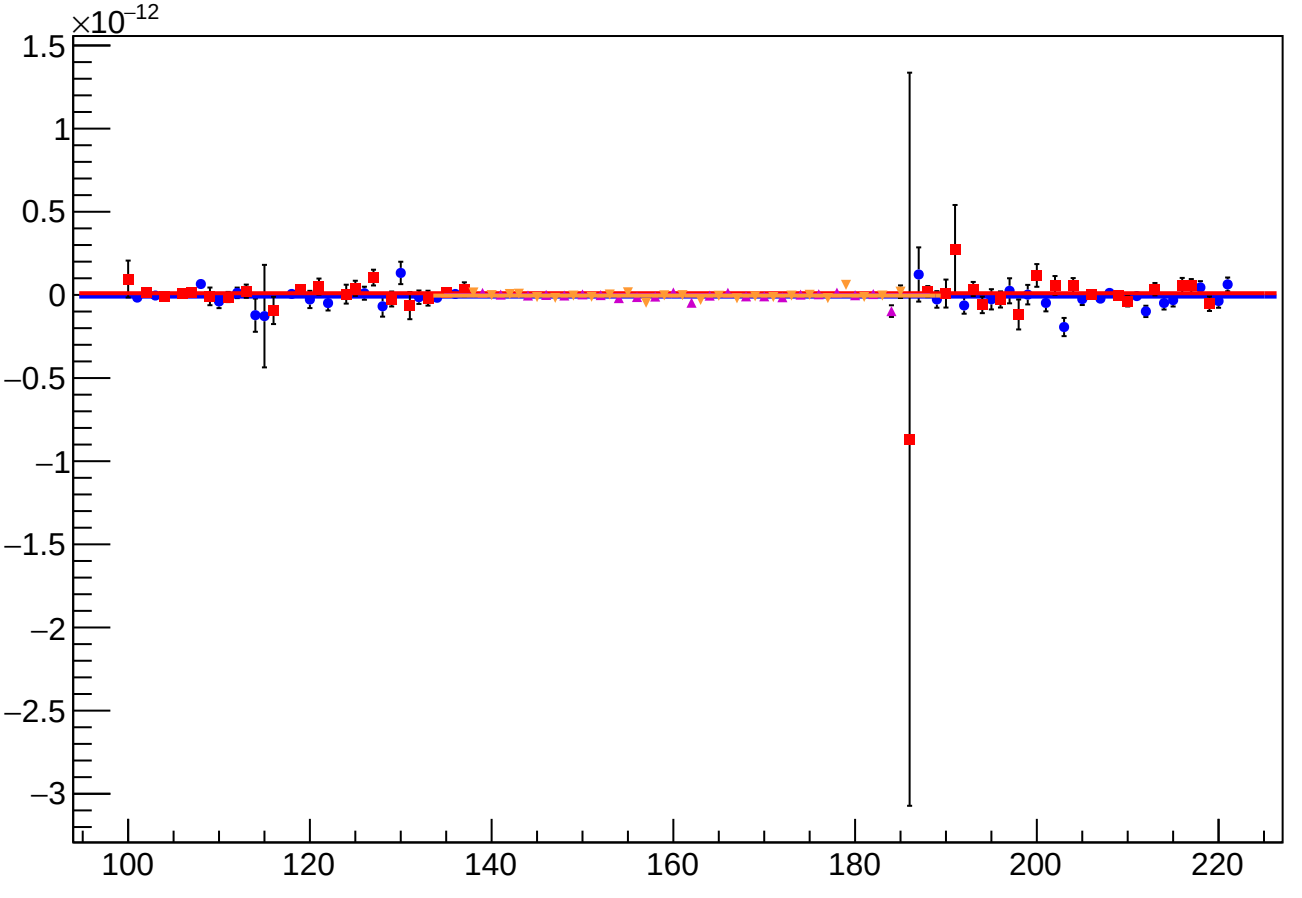
Right: 372.133+/-0.041 χ^2/NDF: 5353379.8/70

In: 371.434+/-0.042 χ^2/NDF:2803477.8/56

Out: 365.503+/-0.042 χ^2/NDF:3735595.6/61

All: 368.420+/-0.030 χ^2/NDF: 6549100.6/118

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: 29.8/36

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

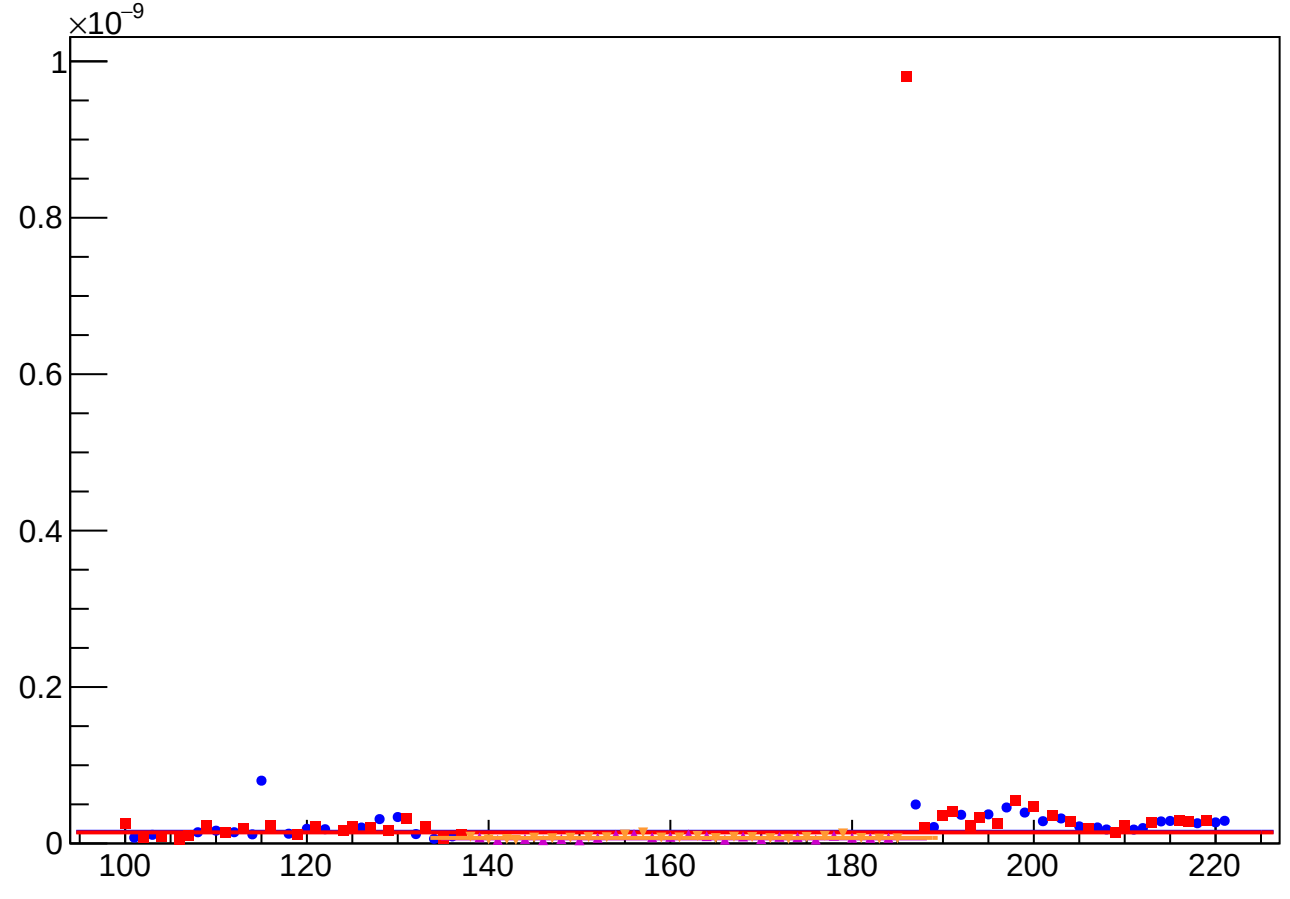
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: -0.000+/-0.000 χ^2/NDF: 83.3/70

In: -0.000+/-0.000 χ^2/NDF:70.2/56

Out: -0.000+/-0.000 χ^2/NDF:57.5/61

All: -0.000+/-0.000 χ^2/NDF: 127.9/118



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: 5821503.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

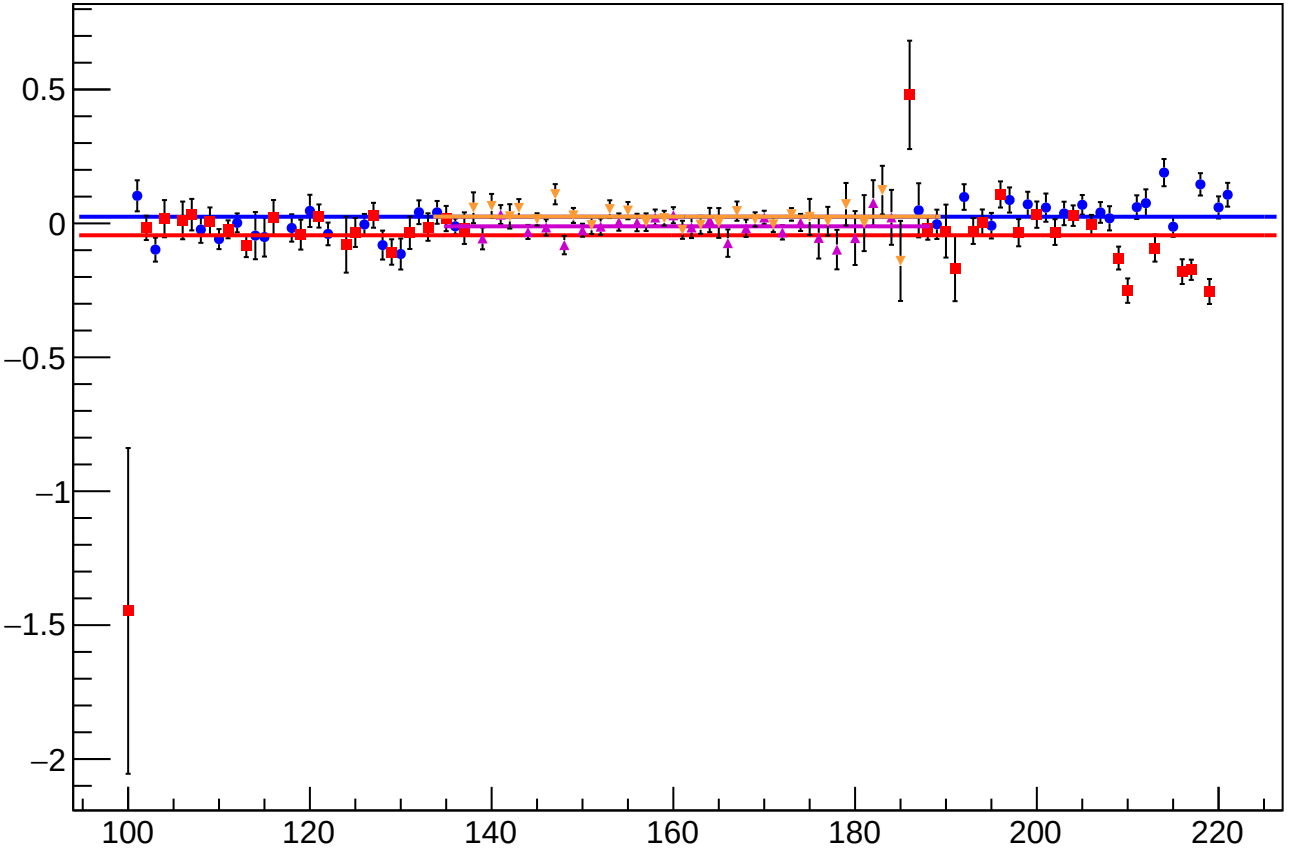
Right: 0.000+/-0.000 χ^2/NDF: 11079496.9/70

In: 0.000+/-0.000 χ^2/NDF:10485519.3/56

Out: 0.000+/-0.000 χ^2/NDF:9421475.9/61

All: 0.000+/-0.000 χ^2/NDF: 19934898.6/118

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

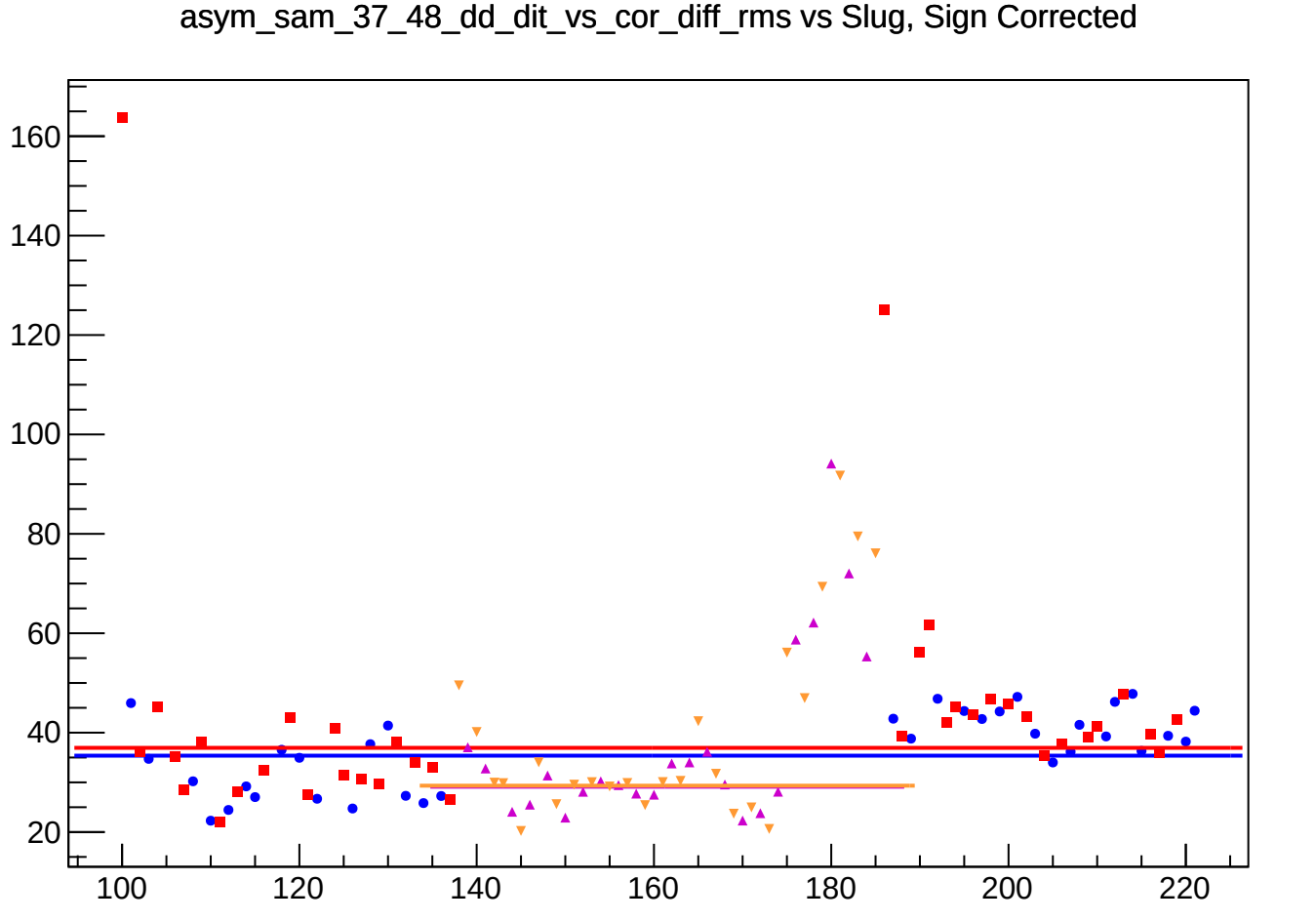
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.008+/-0.006 χ^2/NDF: 217.0/70

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: 0.001+/-0.004 χ^2/NDF: 270.0/118



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: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

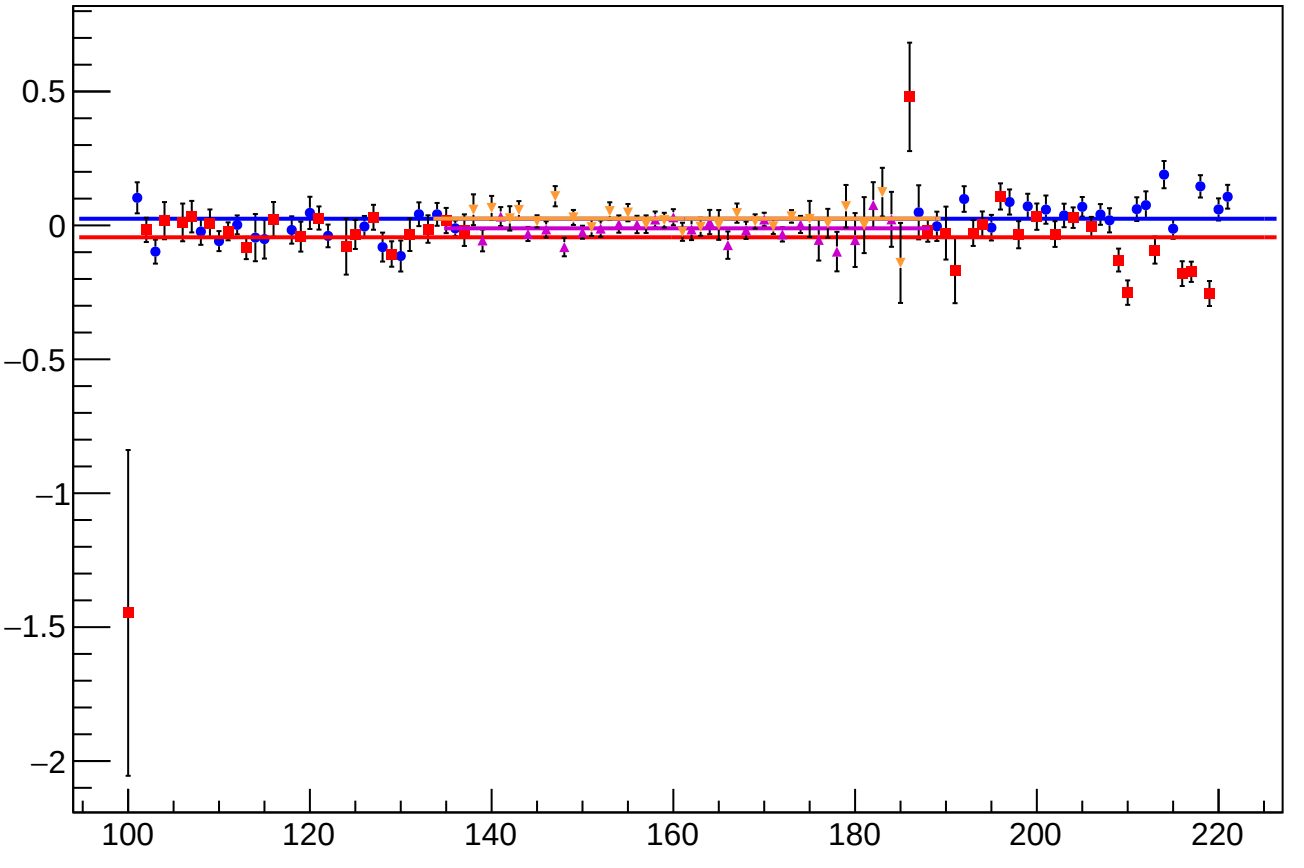
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 36.113+/-0.004 χ^2/NDF: 3953107.3/70

In: 32.038+/-0.004 χ^2/NDF:5482961.5/56

Out: 32.601+/-0.004 χ^2/NDF:6794566.2/61

All: 32.315+/-0.003 χ^2/NDF: 12288453.1/118



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: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

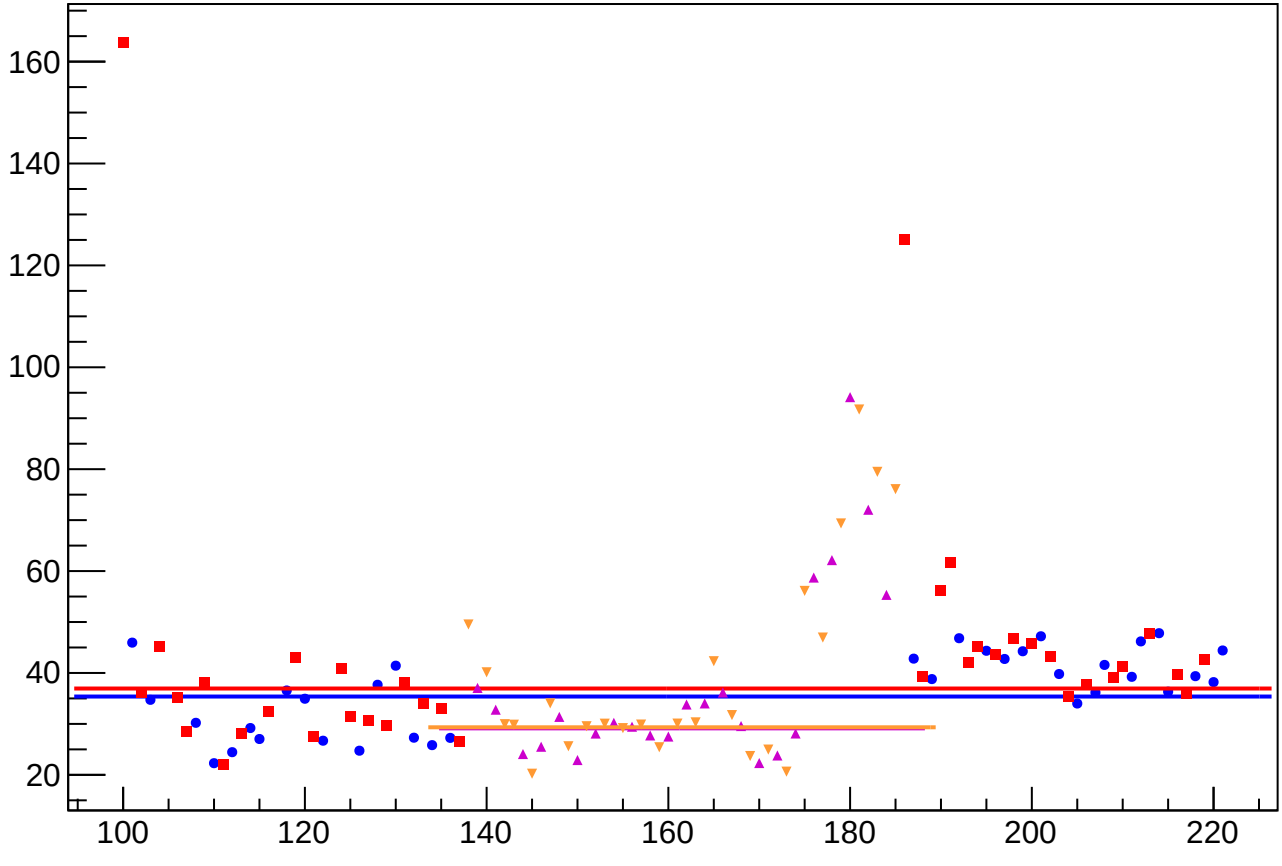
Right: -0.008+/-0.006 χ^2/NDF: 217.0/70

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: 0.001+/-0.004 χ^2/NDF: 270.0/118

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: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

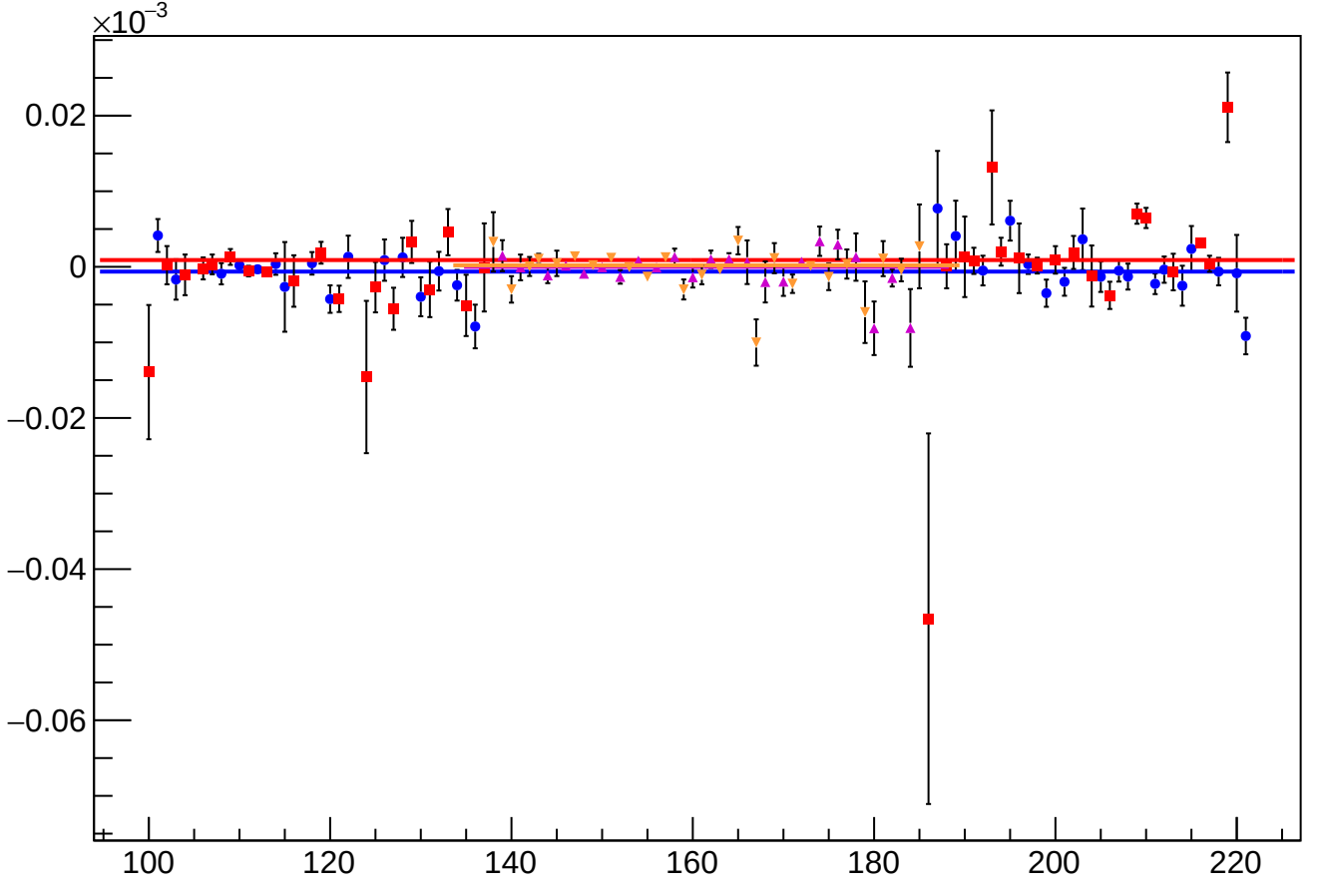
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 36.113+/-0.004 χ^2/NDF: 3953107.3/70

In: 32.038+/-0.004 χ^2/NDF:5482961.5/56

Out: 32.601+/-0.004 χ^2/NDF:6794566.2/61

All: 32.315+/-0.003 χ^2/NDF: 12288453.1/118



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: 123.6/36

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

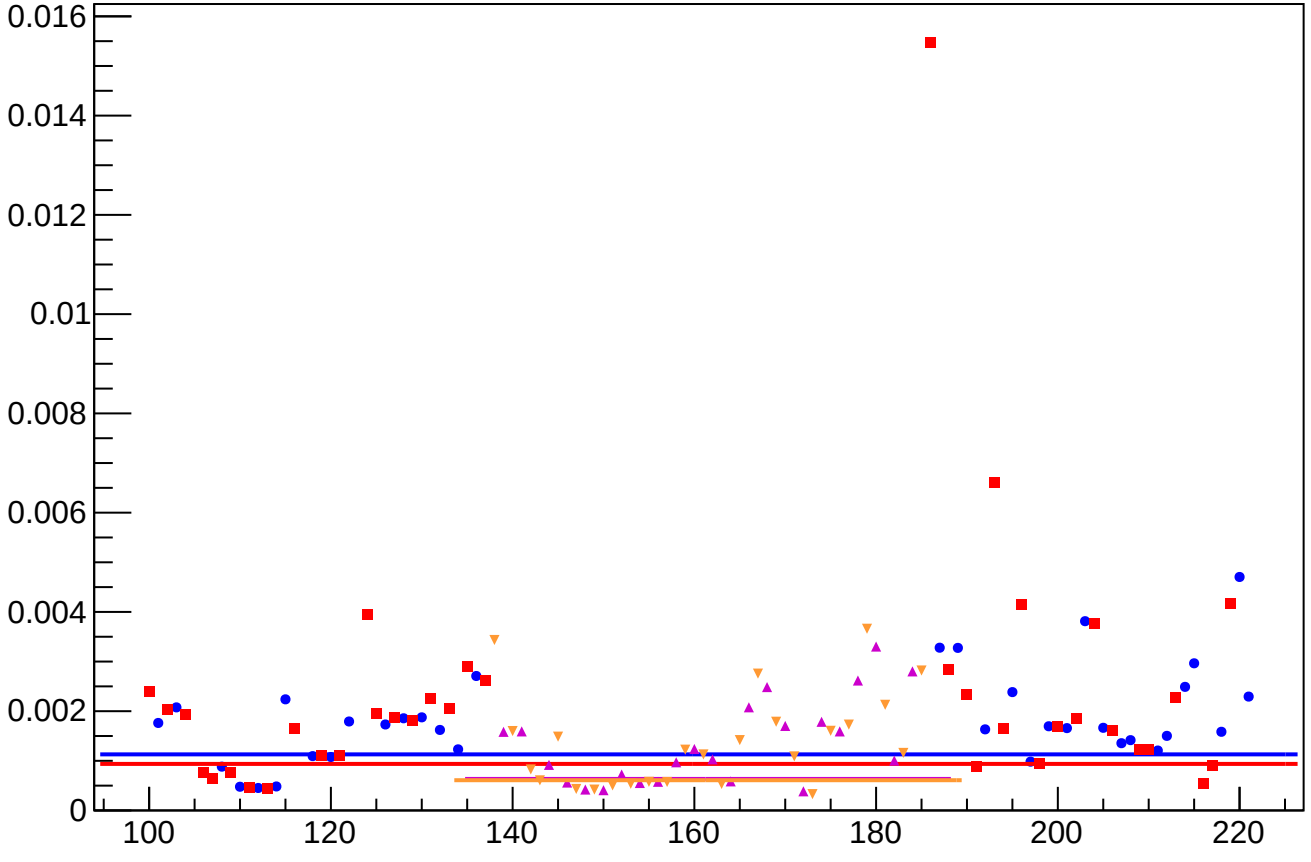
Right: 0.000+/-0.000 χ^2/NDF: 189.9/70

In: -0.000+/-0.000 χ^2/NDF:87.0/56

Out: 0.000+/-0.000 χ^2/NDF:181.4/61

All: 0.000+/-0.000 χ^2/NDF: 276.4/118

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 13611326.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

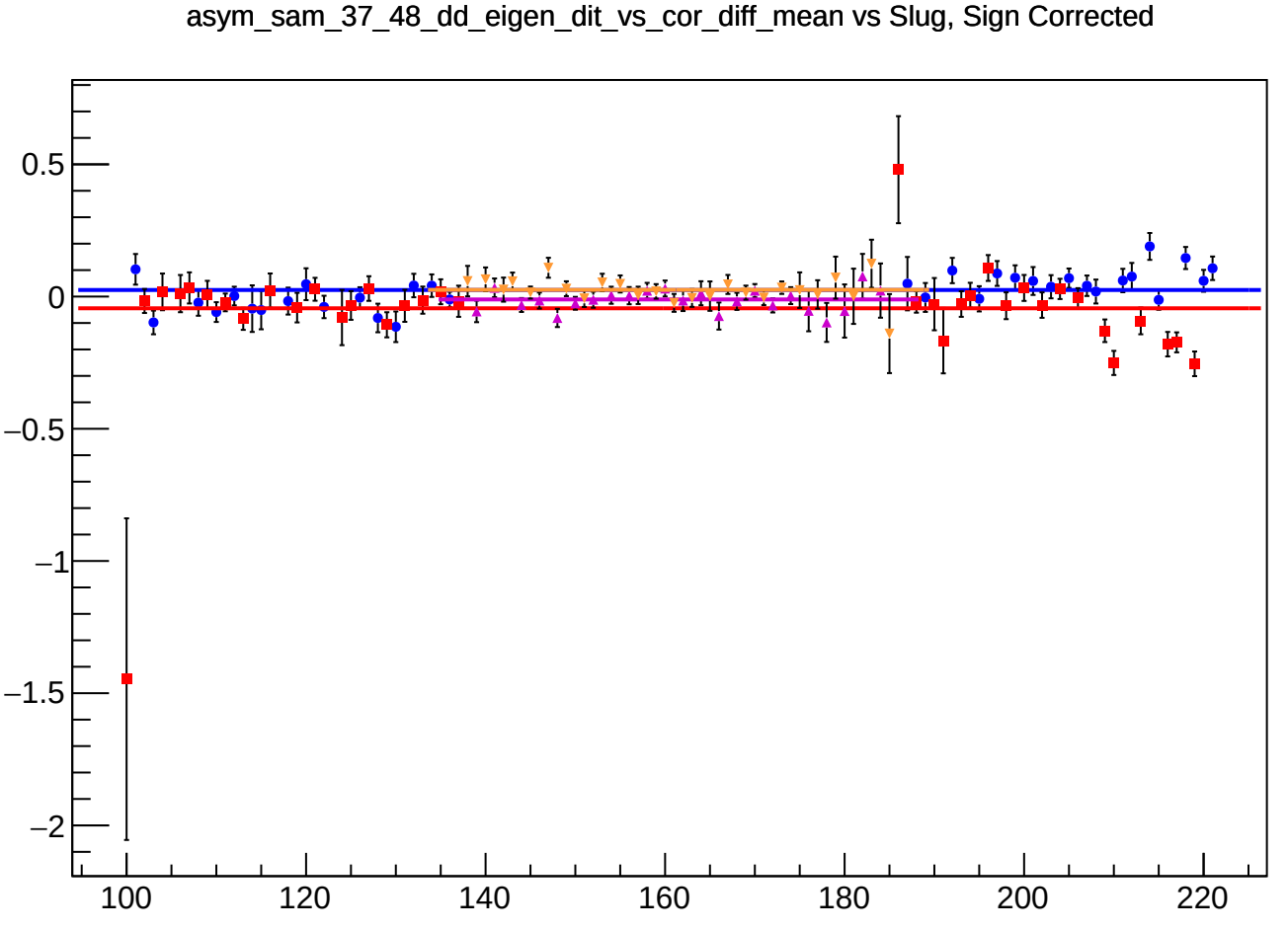
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 25525932.3/70

In: 0.001+/-0.000 χ^2/NDF:24940801.9/56

Out: 0.001+/-0.000 χ^2/NDF:26902247.4/61

All: 0.001+/-0.000 χ^2/NDF: 52026440.5/118



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: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

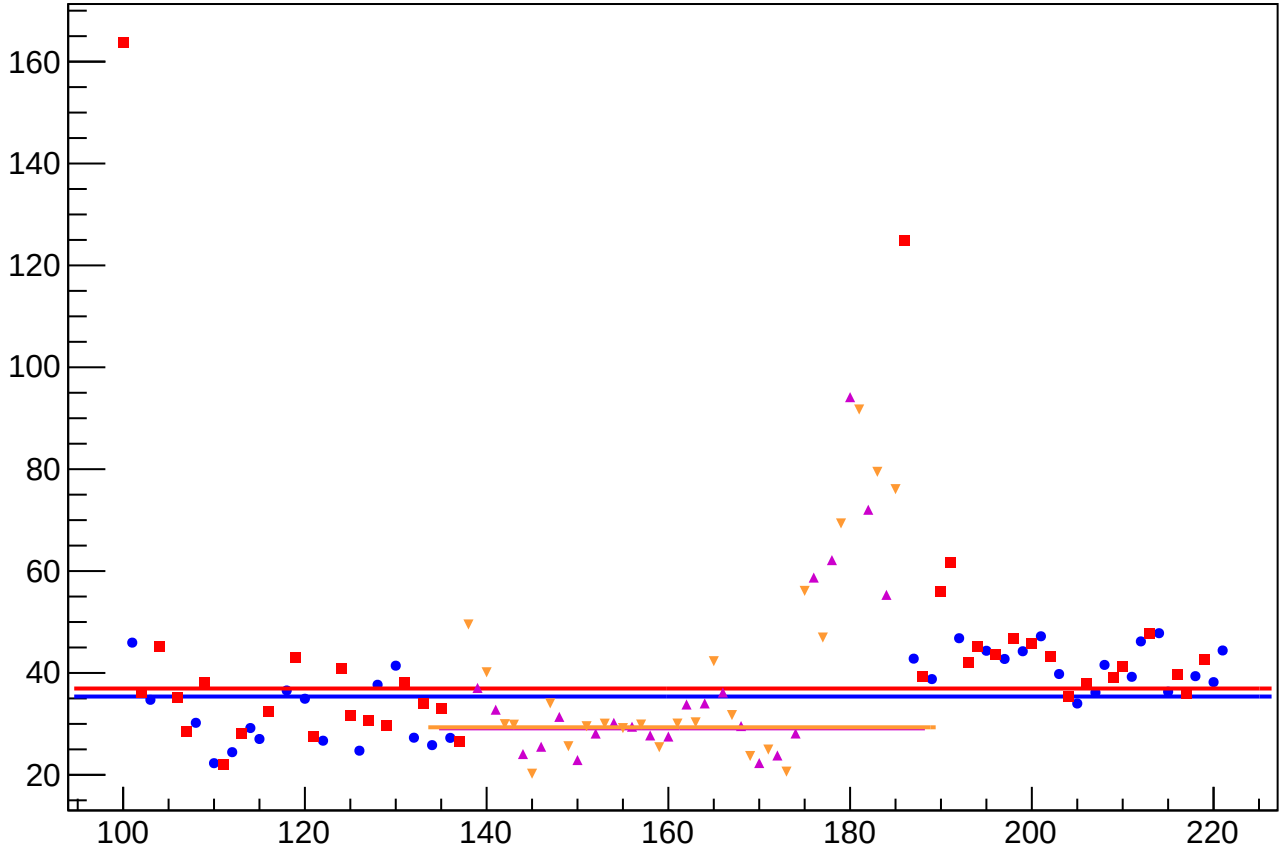
Right: -0.008+/-0.006 χ^2/NDF: 217.0/70

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: 0.001+/-0.004 χ^2/NDF: 270.0/118

asym_sam_37_48_dd_eigen_dit_vs_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: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

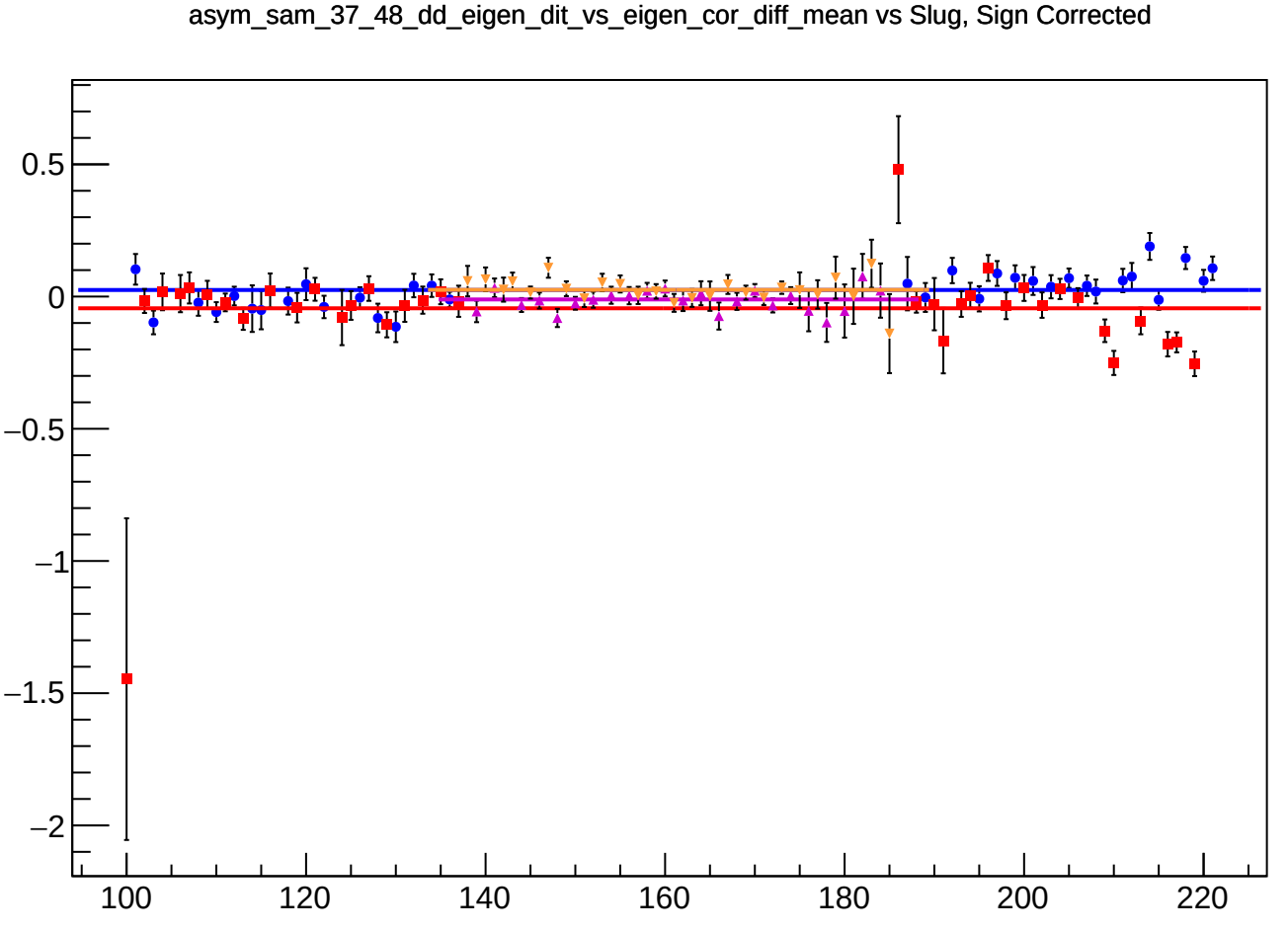
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 36.113+/-0.004 χ^2/NDF: 3952803.1/70

In: 32.038+/-0.004 χ^2/NDF:5482764.9/56

Out: 32.600+/-0.004 χ^2/NDF:6794526.3/61

All: 32.314+/-0.003 χ^2/NDF: 12288218.5/118



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: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

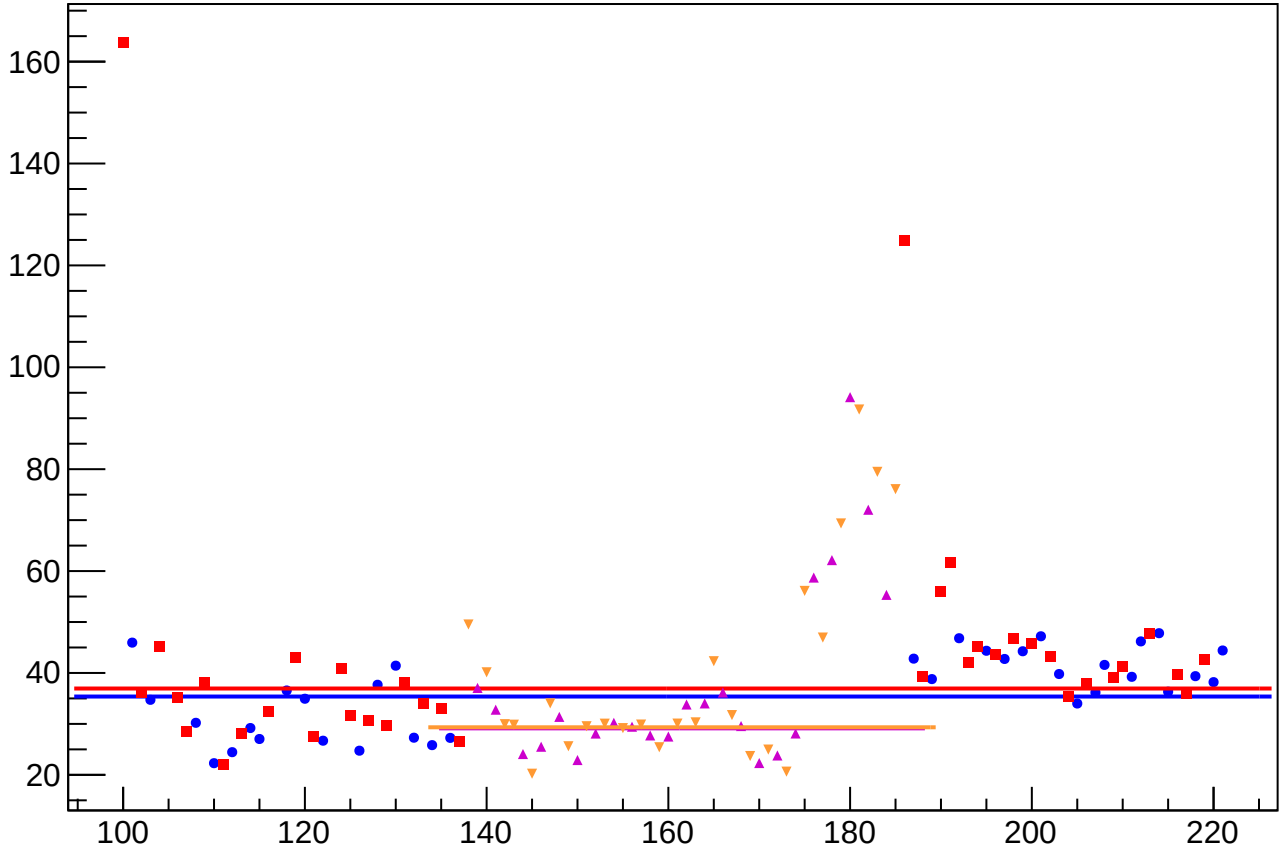
Right: -0.008+/-0.006 χ^2/NDF: 217.0/70

In: 0.006+/-0.005 χ^2/NDF:96.4/56

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: 0.001+/-0.004 χ^2/NDF: 270.0/118

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: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

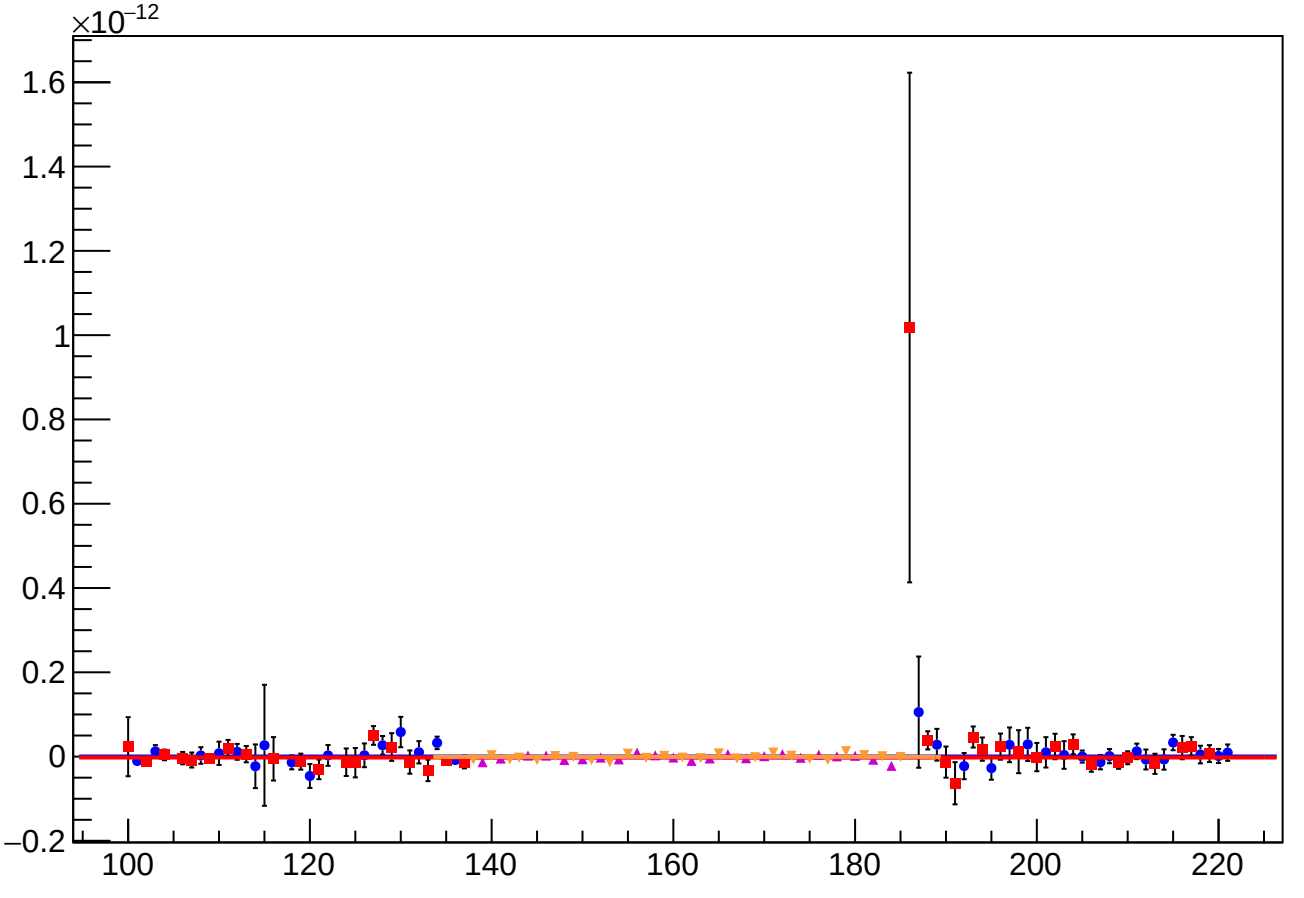
Right: 36.113+/-0.004 χ^2/NDF: 3952803.1/70

In: 32.038+/-0.004 χ^2/NDF:5482764.9/56

Out: 32.600+/-0.004 χ^2/NDF:6794526.3/61

All: 32.314+/-0.003 χ^2/NDF: 12288218.5/118

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 34.1/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

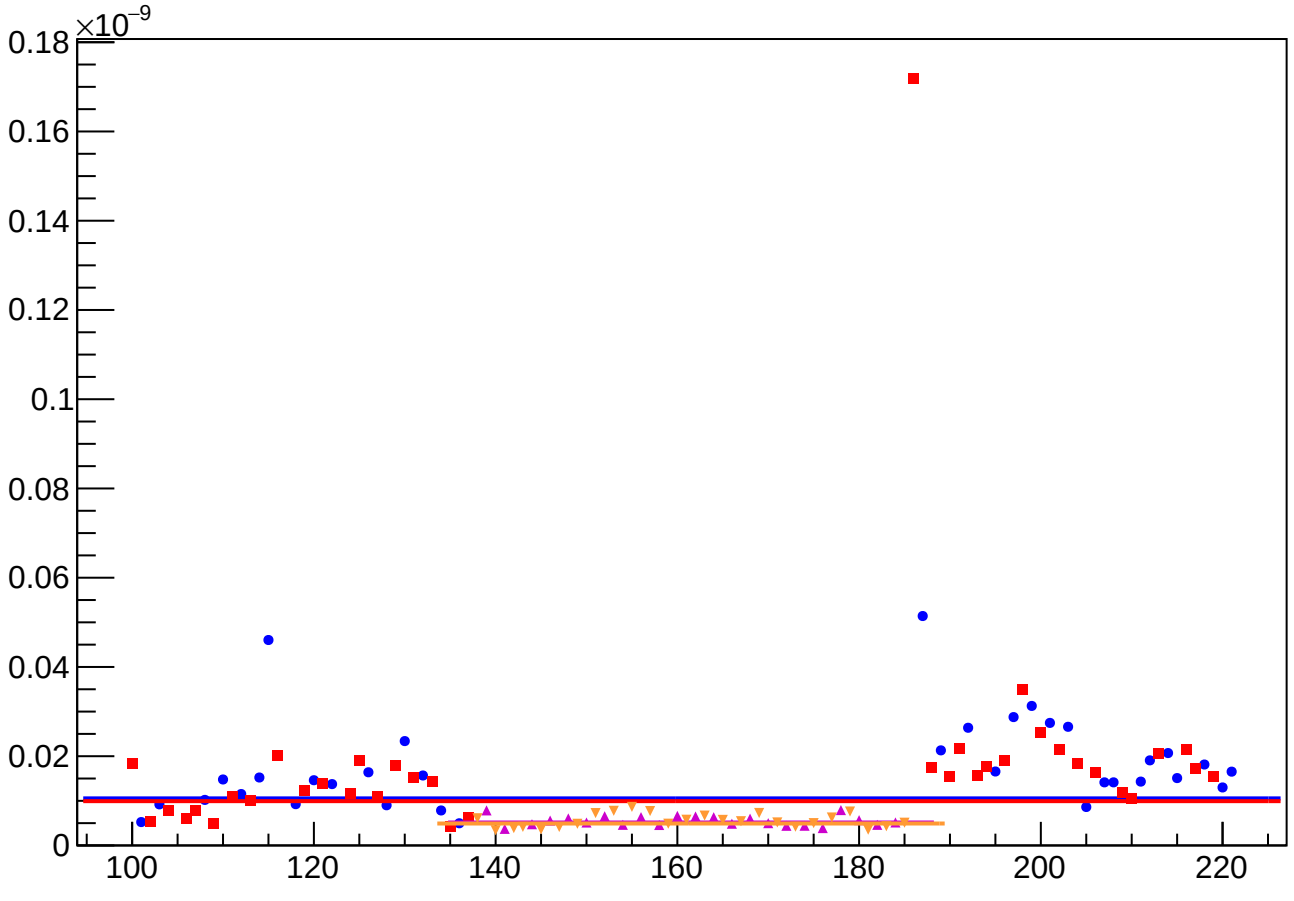
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 60.2/70

In: -0.000+/-0.000 χ^2/NDF:42.5/56

Out: -0.000+/-0.000 χ^2/NDF:49.4/61

All: -0.000+/-0.000 χ^2/NDF: 91.9/118



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: 6922849.9/36

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

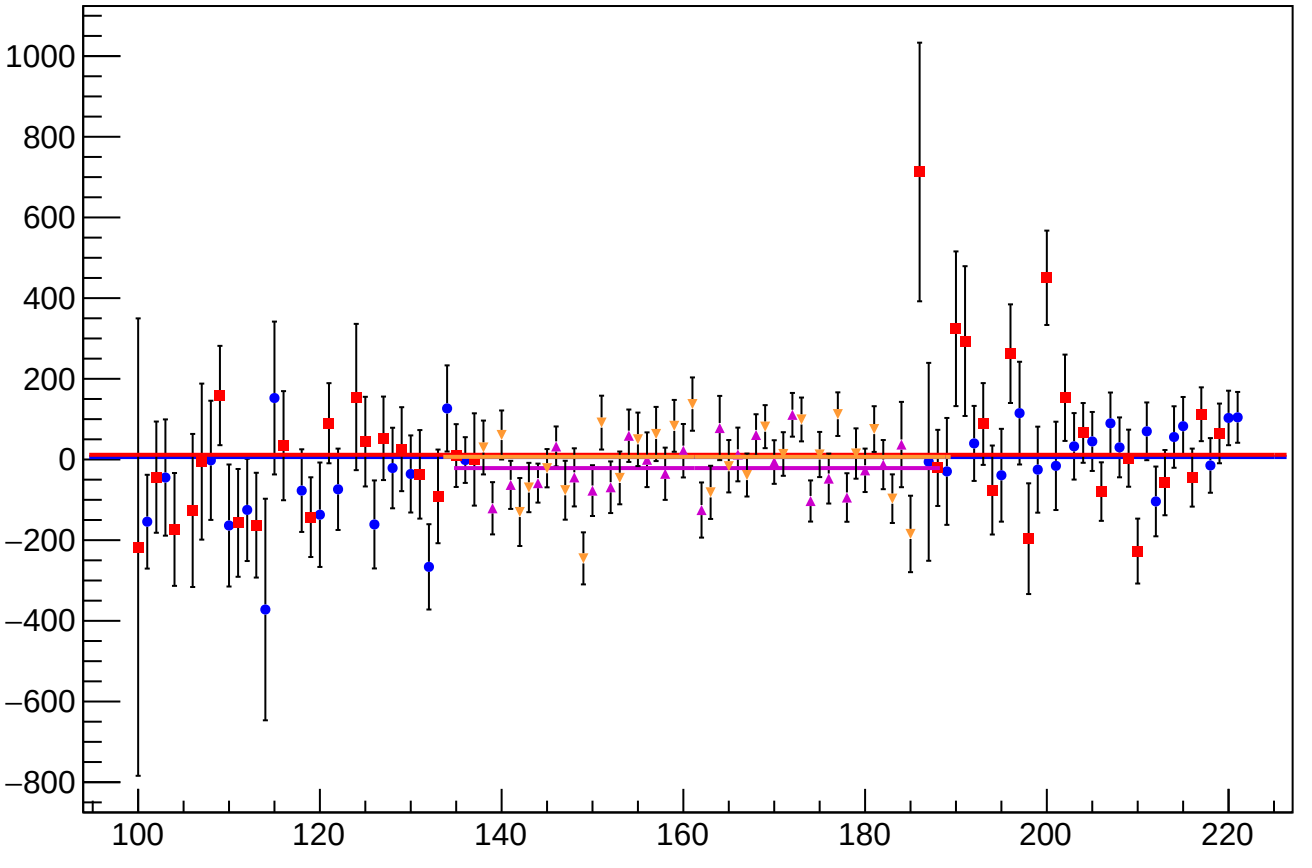
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14524056.5/70

In: 0.000+/-0.000 χ^2/NDF:13508202.2/56

Out: 0.000+/-0.000 χ^2/NDF:13211974.4/61

All: 0.000+/-0.000 χ^2/NDF: 26796059.4/118



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: 11.677+/-17.112 χ^2/NDF: 60.8/36

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

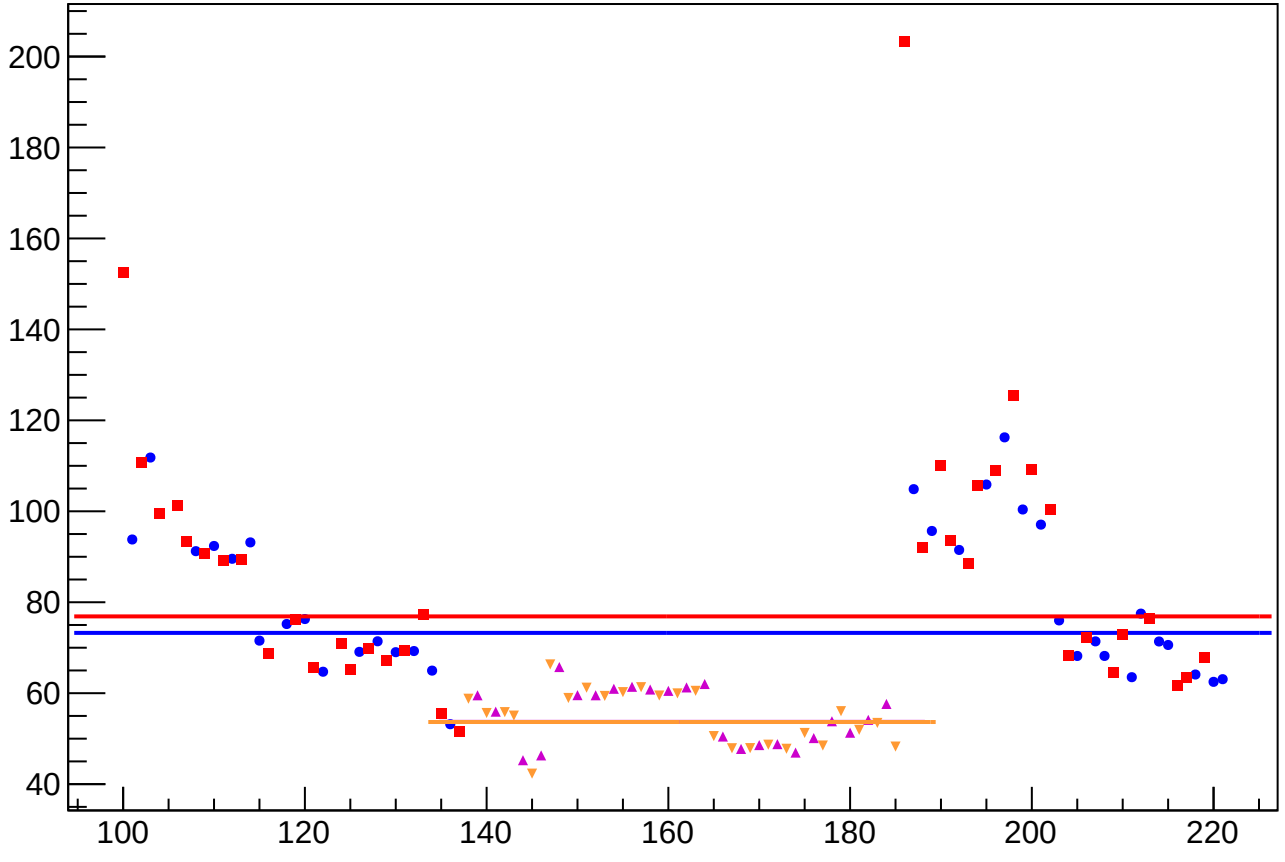
Right: 8.627+/-11.679 χ^2/NDF: 92.2/70

In: -10.818+/-9.918 χ^2/NDF:58.5/56

Out: 8.276+/-9.981 χ^2/NDF:111.5/61

All: -1.331+/-7.035 χ^2/NDF: 171.8/118

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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: 76.887+/-0.012 χ^2/NDF: 2201463.1/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

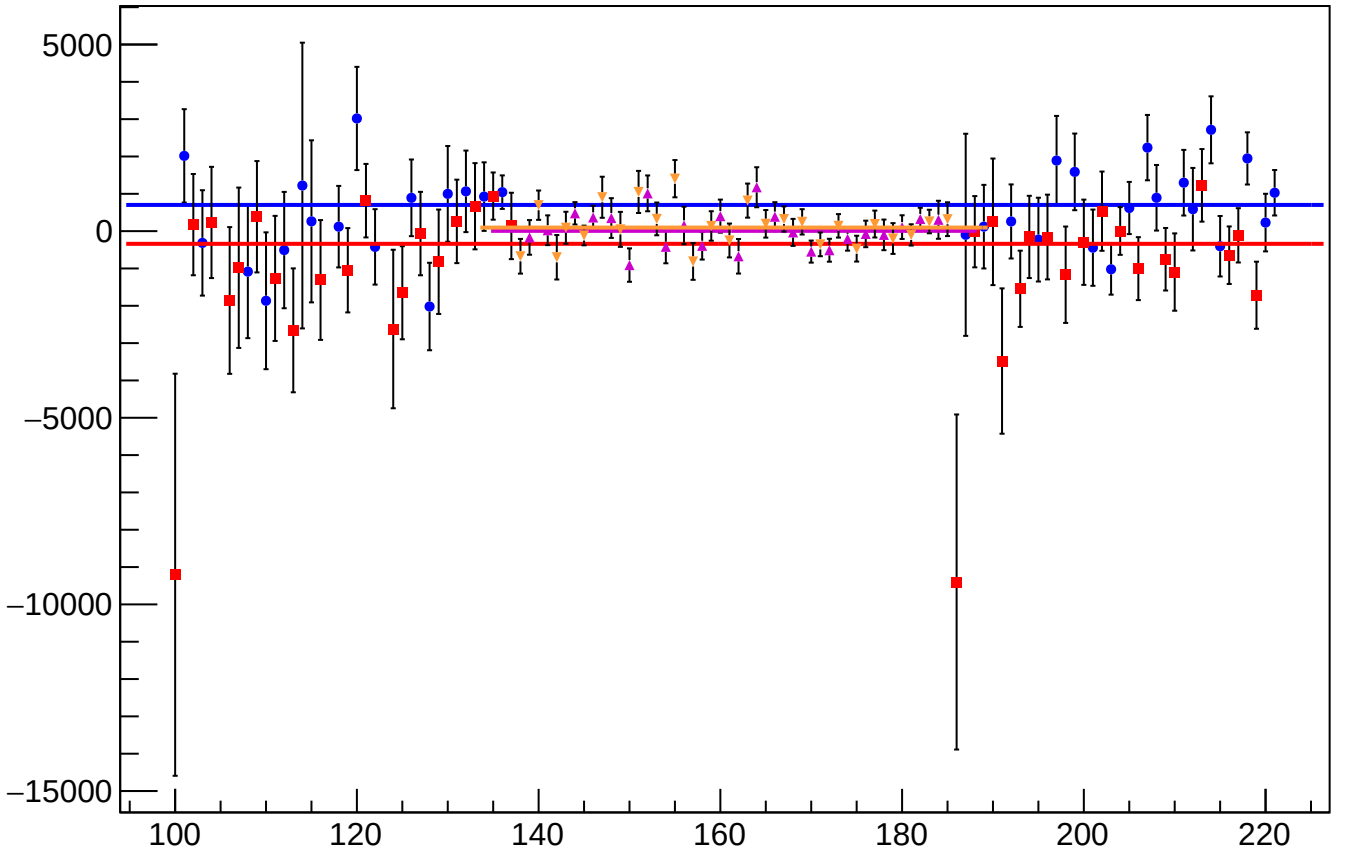
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.950+/-0.008 χ^2/NDF: 3837977.1/70

In: 61.232+/-0.007 χ^2/NDF:3903312.0/56

Out: 61.565+/-0.007 χ^2/NDF:5103768.6/61

All: 61.398+/-0.005 χ^2/NDF: 9008201.1/118



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: -339.769+/-179.523 χ^2/NDF: 32.5/36

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

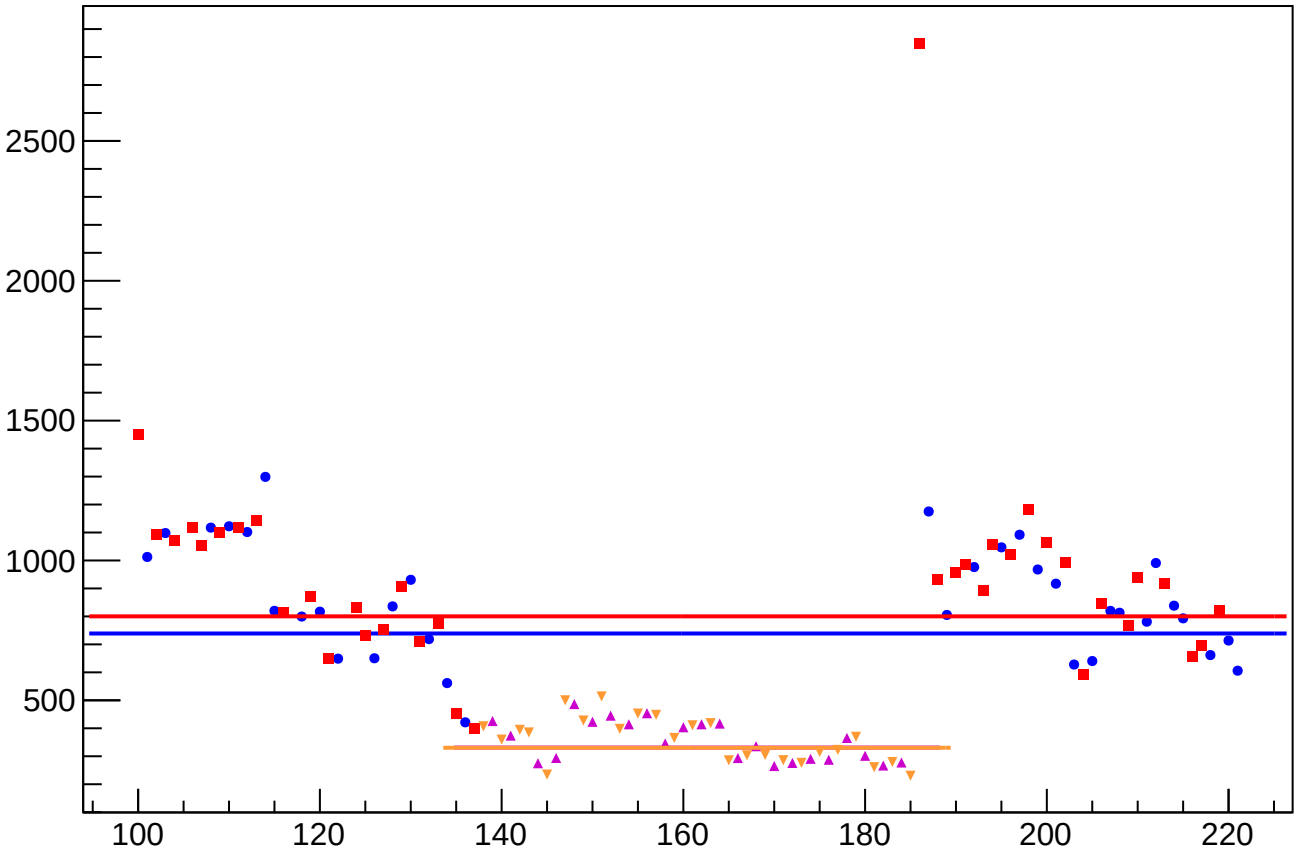
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 230.560+/-120.792 χ^2/NDF: 91.8/70

In: 139.951+/-71.205 χ^2/NDF:87.8/56

Out: 27.631+/-70.869 χ^2/NDF:70.7/61

All: 83.525+/-50.231 χ^2/NDF: 159.7/118



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: 800.265+/-0.127 χ^2/NDF: 3051949.7/36

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

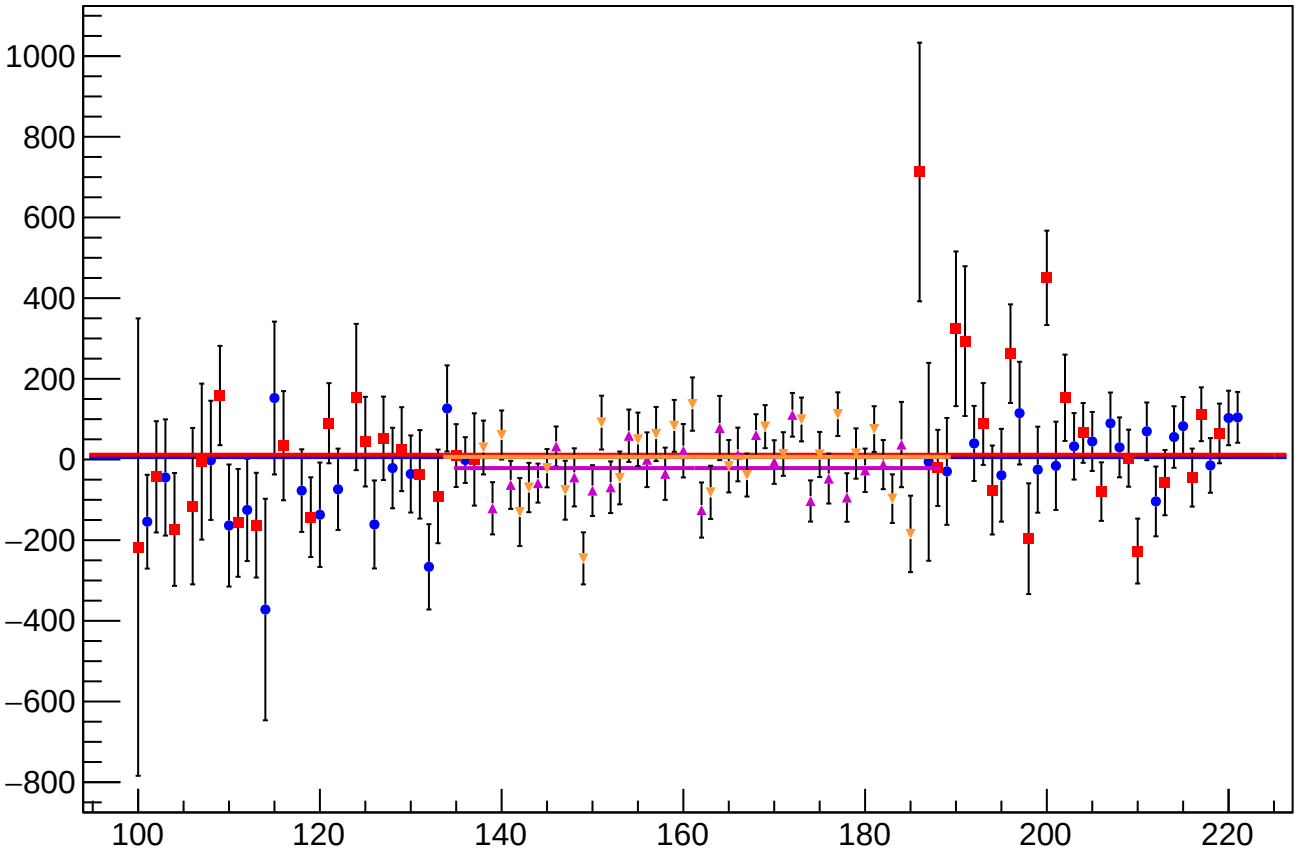
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 766.698+/-0.085 χ^2/NDF: 5959828.9/70

In: 408.624+/-0.050 χ^2/NDF:14211984.5/56

Out: 403.628+/-0.050 χ^2/NDF:16369599.5/61

All: 406.114+/-0.036 χ^2/NDF: 30586529.8/11



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: 11.821+/-17.115 χ^2/NDF: 60.7/36

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

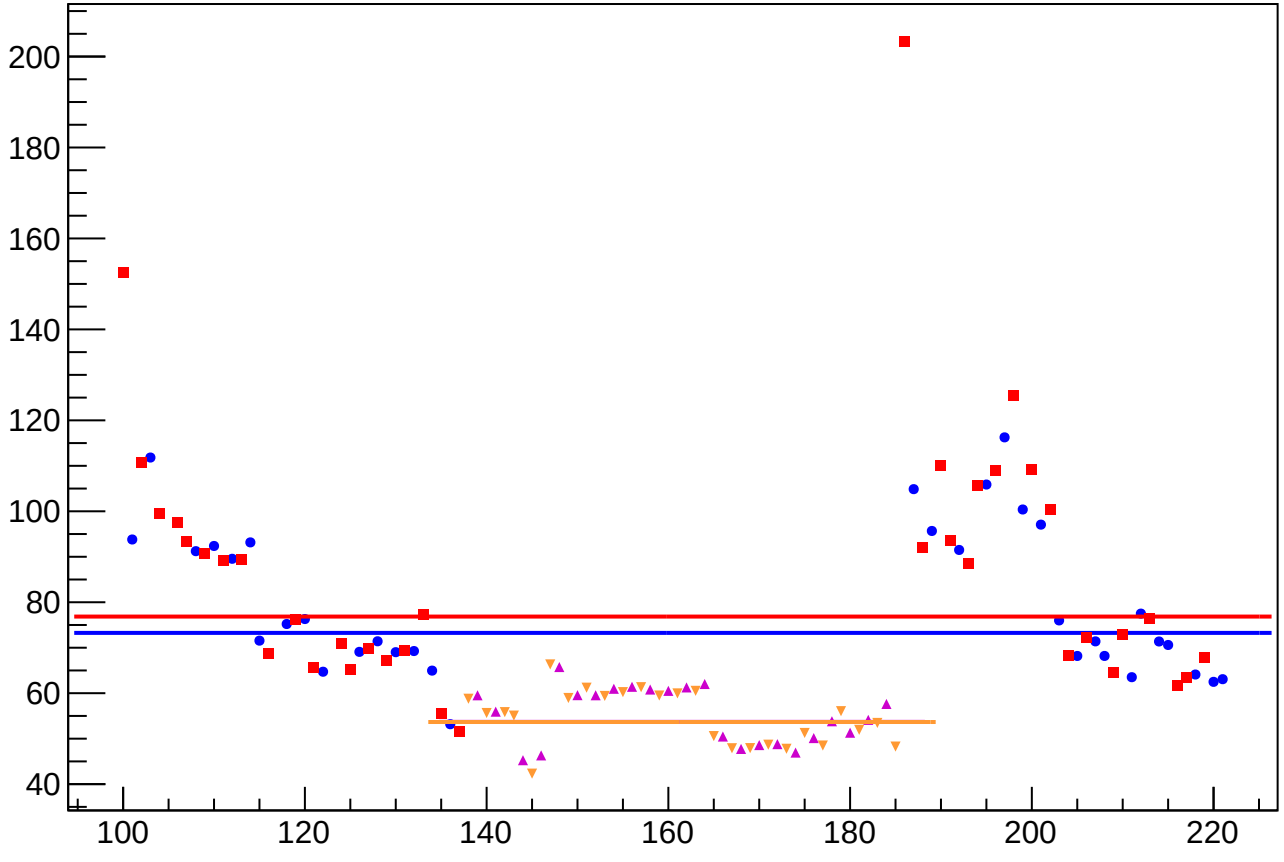
Right: 8.696+/-11.680 χ^2/NDF: 92.1/70

In: -10.815+/-9.918 χ^2/NDF:58.5/56

Out: 8.326+/-9.981 χ^2/NDF:111.4/61

All: -1.305+/-7.035 χ^2/NDF: 171.8/118

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: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

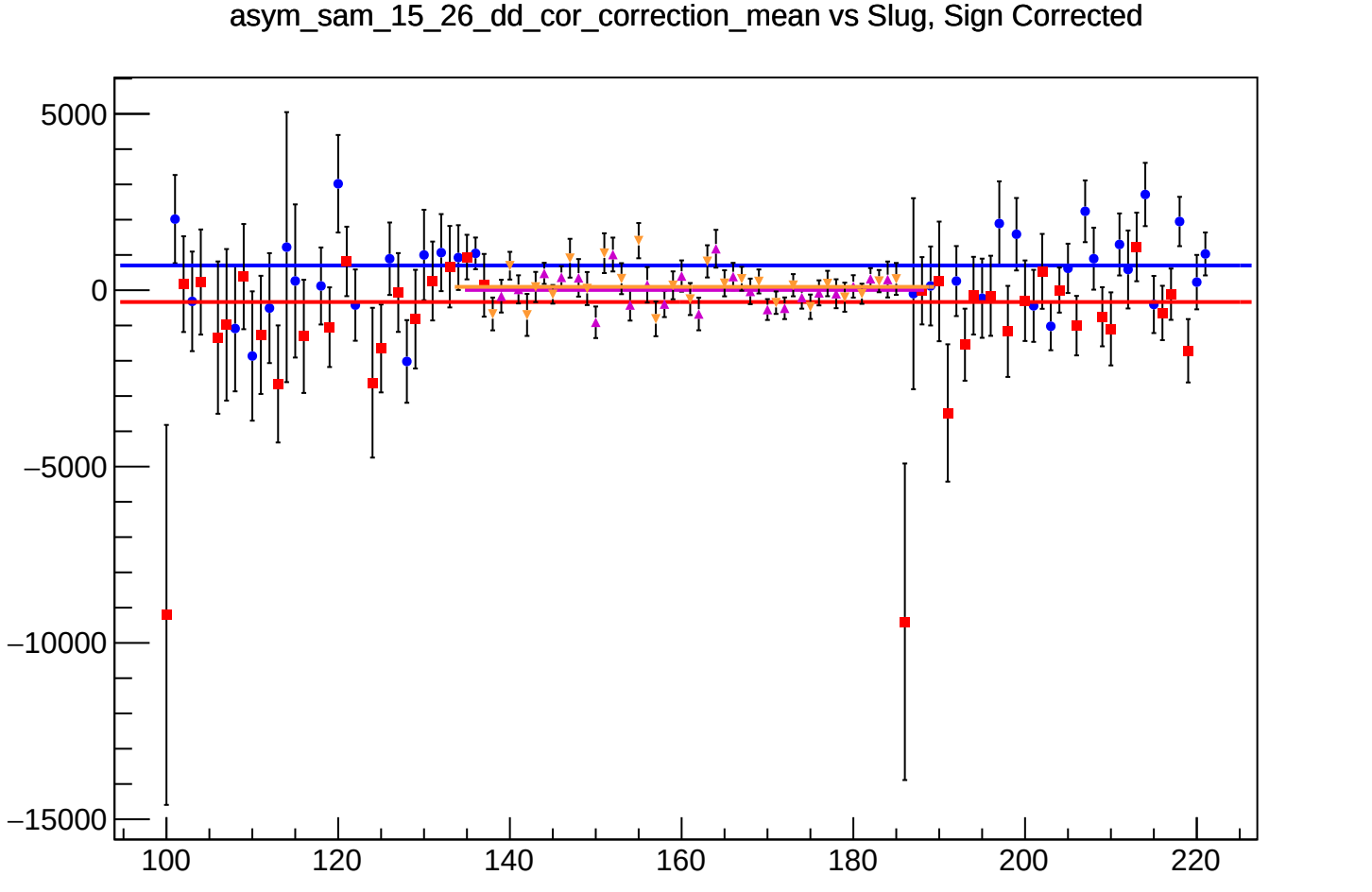
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.932+/-0.008 χ^2/NDF: 3827061.7/70

In: 61.232+/-0.007 χ^2/NDF:3903314.6/56

Out: 61.551+/-0.007 χ^2/NDF:5085553.0/61

All: 61.390+/-0.005 χ^2/NDF: 8989893.2/118



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: -334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

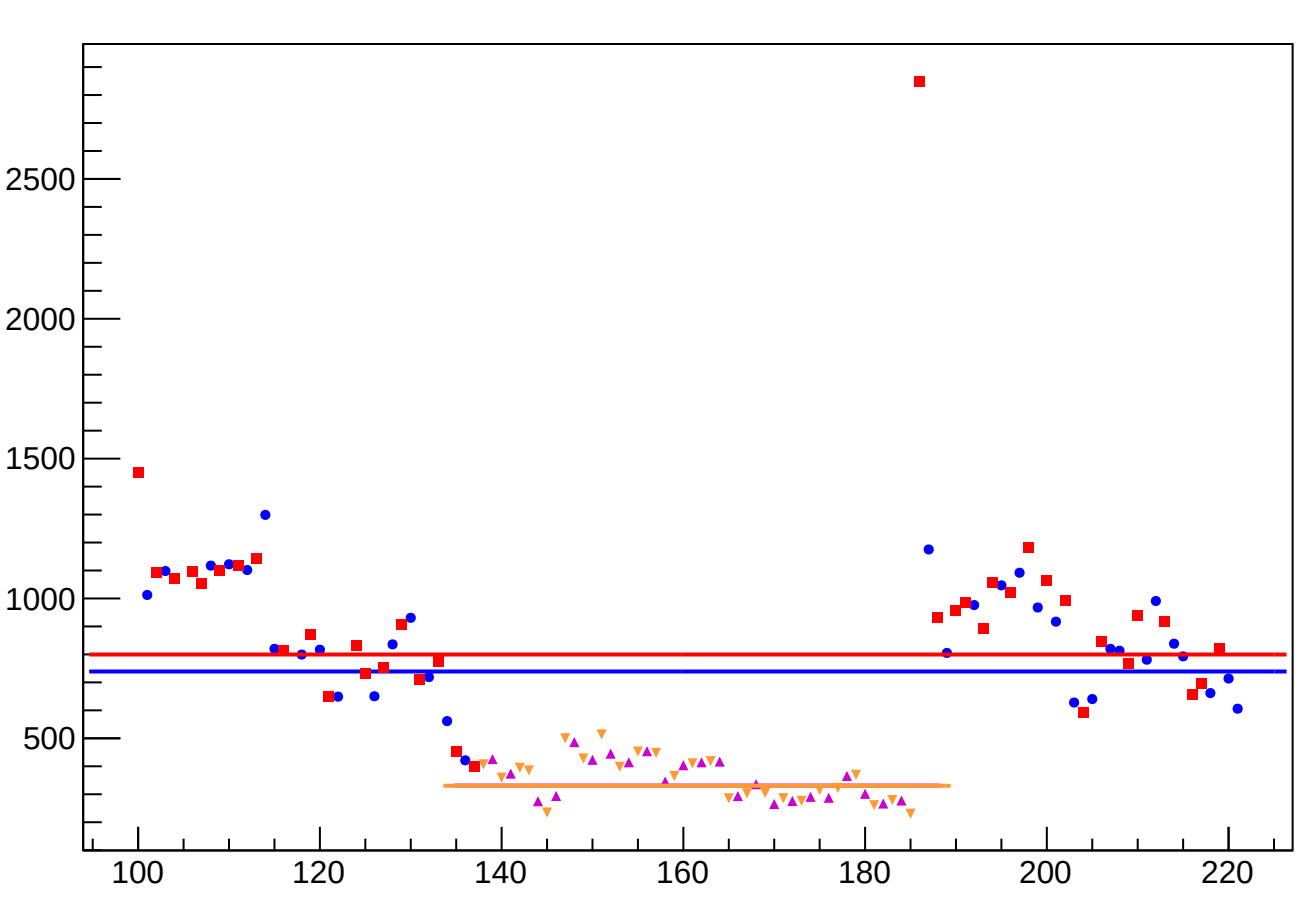
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 233.499+/-120.832 χ^2/NDF: 91.2/70

In: 139.948+/-71.205 χ^2/NDF:87.8/56

Out: 28.598+/-70.877 χ^2/NDF:70.1/61

All: 84.016+/-50.233 χ^2/NDF: 159.1/118



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: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

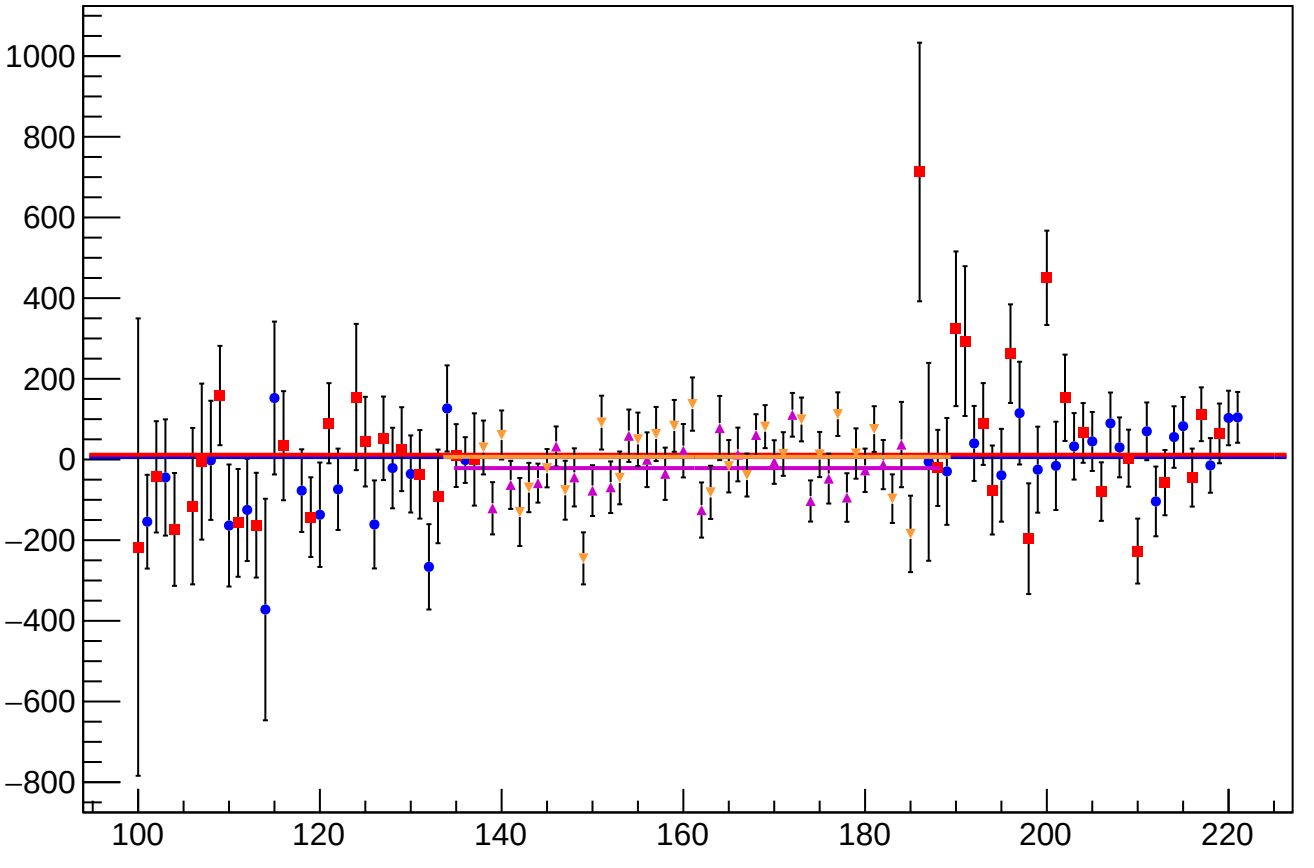
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 766.402+/-0.085 χ^2/NDF: 5942573.8/70

In: 408.624+/-0.050 χ^2/NDF:14212022.4/56

Out: 403.444+/-0.050 χ^2/NDF:16310929.3/61

All: 406.022+/-0.036 χ^2/NDF: 30528268.2/11



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: 11.821+/-17.115 χ^2/NDF: 60.7/36

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

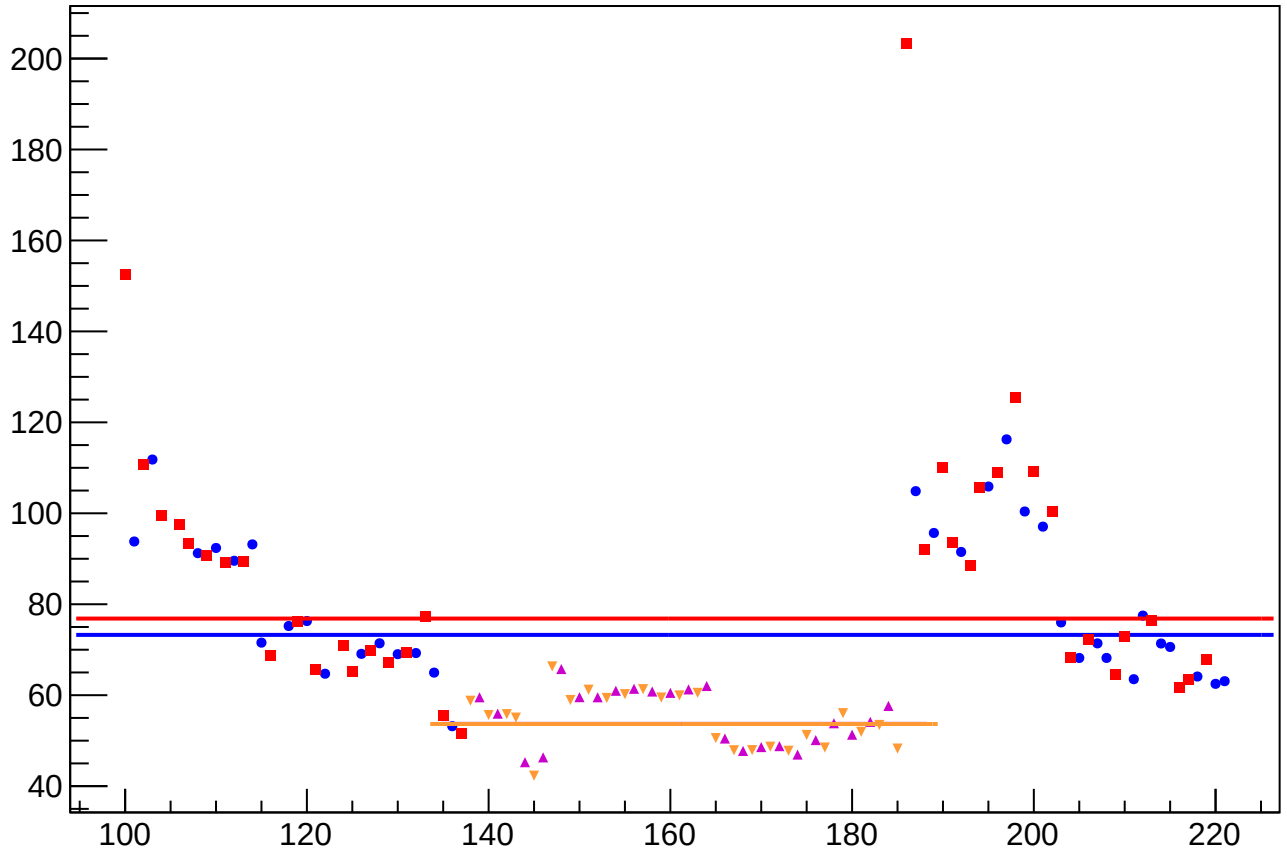
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 8.696+/-11.680 χ^2/NDF: 92.1/70

In: -10.815+/-9.918 χ^2/NDF:58.5/56

Out: 8.326+/-9.981 χ^2/NDF:111.4/61

All: -1.305+/-7.035 χ^2/NDF: 171.8/118



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: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

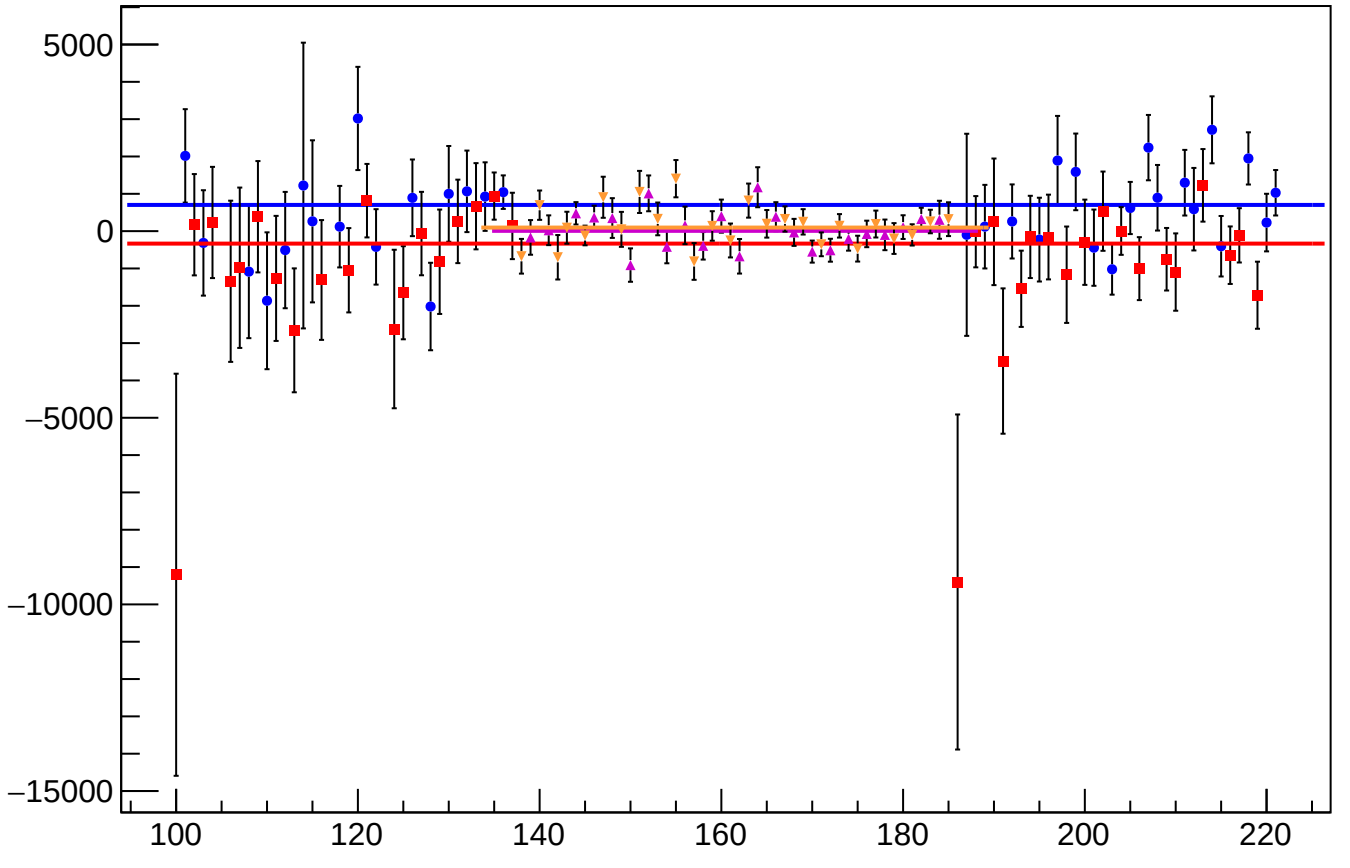
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.932+/-0.008 χ^2/NDF: 3827061.7/70

In: 61.232+/-0.007 χ^2/NDF:3903314.6/56

Out: 61.551+/-0.007 χ^2/NDF:5085553.0/61

All: 61.390+/-0.005 χ^2/NDF: 8989893.2/118



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: -334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

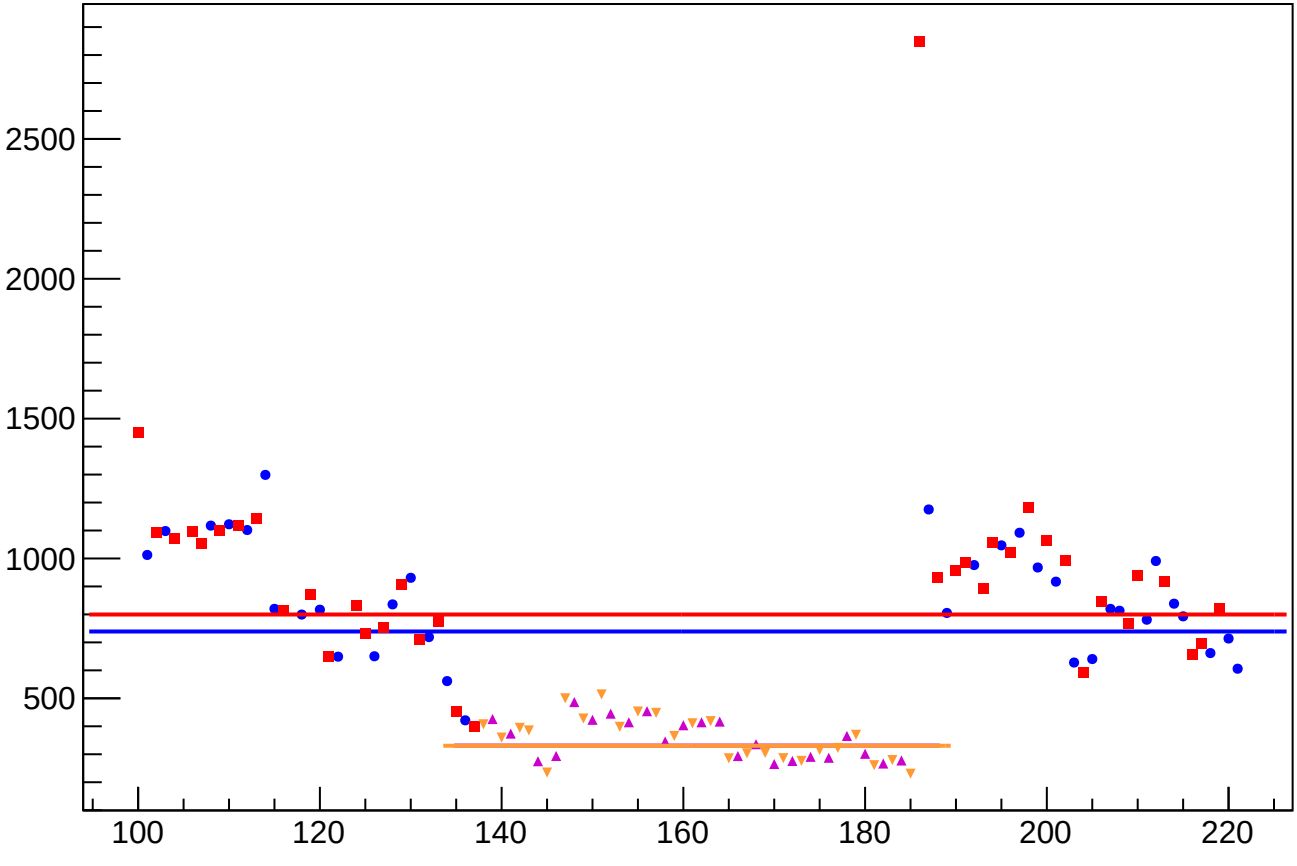
Right: 233.499+/-120.832 χ^2/NDF: 91.2/70

In: 139.948+/-71.205 χ^2/NDF:87.8/56

Out: 28.598+/-70.877 χ^2/NDF:70.1/61

All: 84.016+/-50.233 χ^2/NDF: 159.1/118

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: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

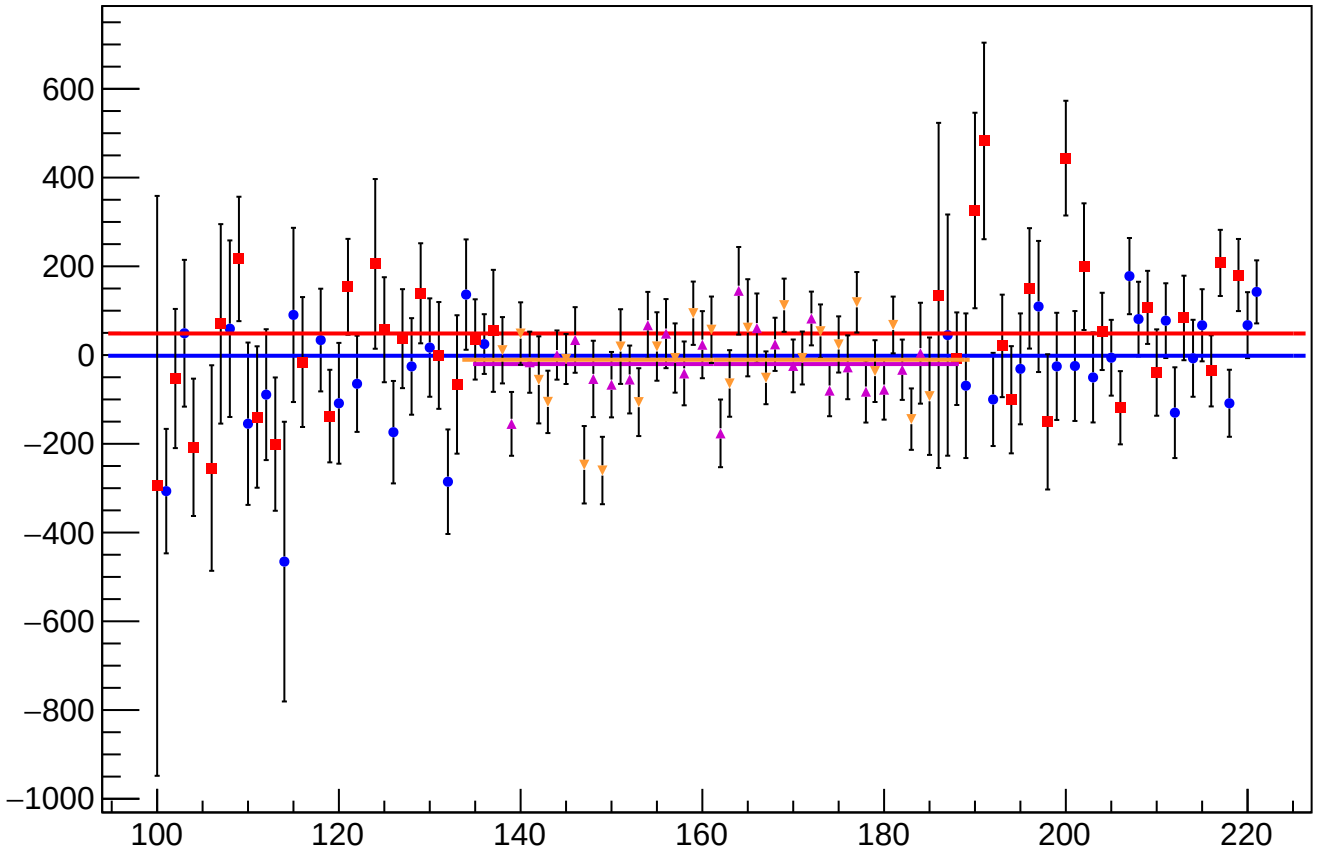
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 766.402+/-0.085 χ^2/NDF: 5942573.8/70

In: 408.624+/-0.050 χ^2/NDF:14212022.4/56

Out: 403.444+/-0.050 χ^2/NDF:16310929.3/61

All: 406.022+/-0.036 χ^2/NDF: 30528268.2/11



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: 48.645+/-19.451 χ^2/NDF: 51.1/36

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

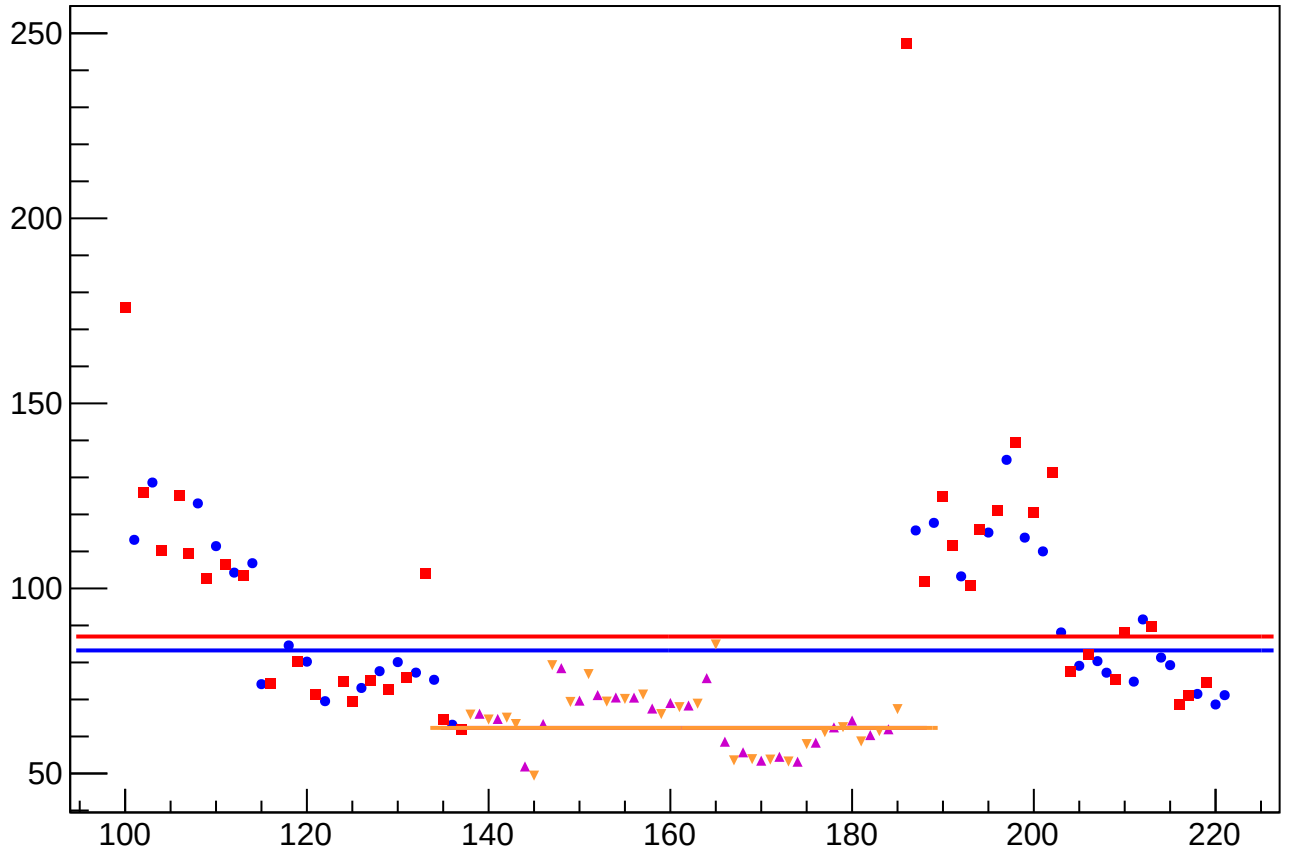
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 21.921+/-13.302 χ^2/NDF: 91.0/70

In: -12.888+/-11.467 χ^2/NDF:58.7/56

Out: 10.198+/-11.527 χ^2/NDF:99.3/61

All: -1.405+/-8.130 χ^2/NDF: 160.1/118



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: 87.010+/-0.014 χ^2/NDF: 2375125.3/36

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

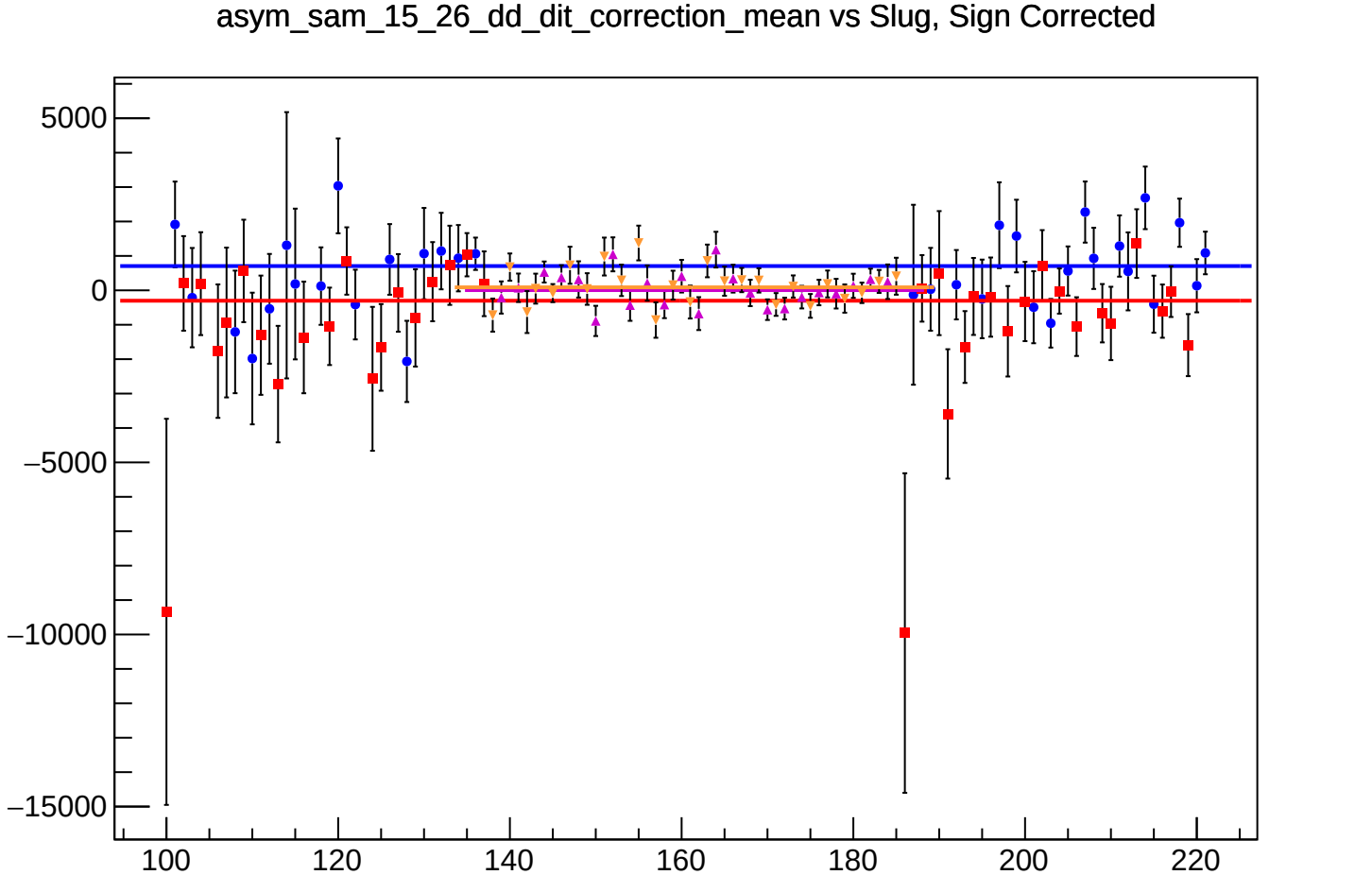
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 85.007+/-0.009 χ^2/NDF: 4115134.0/70

In: 70.594+/-0.008 χ^2/NDF:3779016.8/56

Out: 70.989+/-0.008 χ^2/NDF:5102747.7/61

All: 70.790+/-0.006 χ^2/NDF: 8882945.9/118



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: -301.743+/-181.600 χ^2/NDF: 34.3/36

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

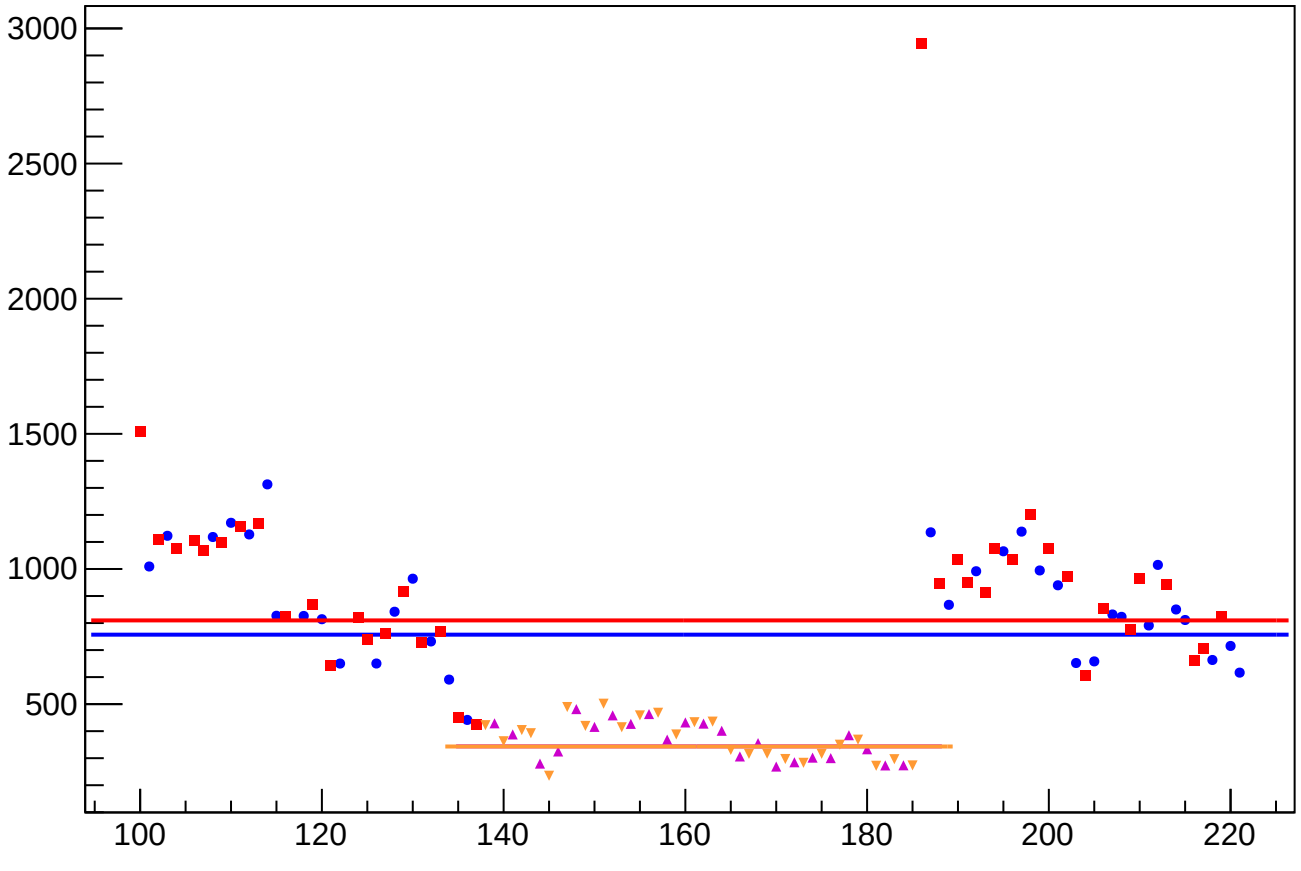
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 244.172+/-122.896 χ^2/NDF: 91.1/70

In: 142.665+/-73.679 χ^2/NDF:86.6/56

Out: 24.023+/-73.086 χ^2/NDF:69.8/61

All: 82.864+/-51.888 χ^2/NDF: 157.7/118



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: 809.756+/-0.128 χ^2/NDF: 3045892.3/36

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

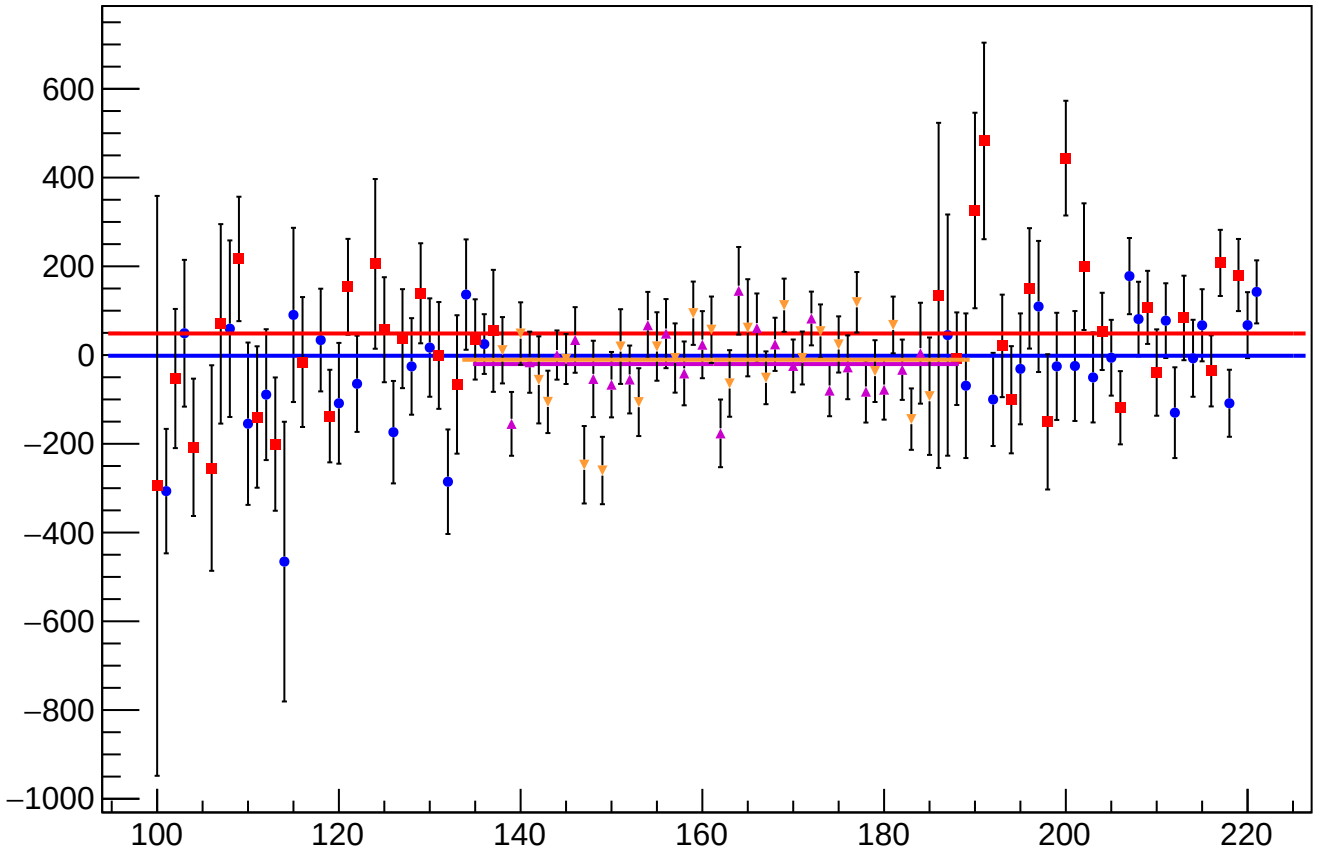
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 781.156+/-0.087 χ^2/NDF: 5801734.3/70

In: 424.231+/-0.052 χ^2/NDF:13793227.4/56

Out: 418.788+/-0.052 χ^2/NDF:15702933.6/61

All: 421.488+/-0.037 χ^2/NDF: 29501661.2/11



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: 48.645+/-19.451 χ^2/NDF: 51.1/36

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

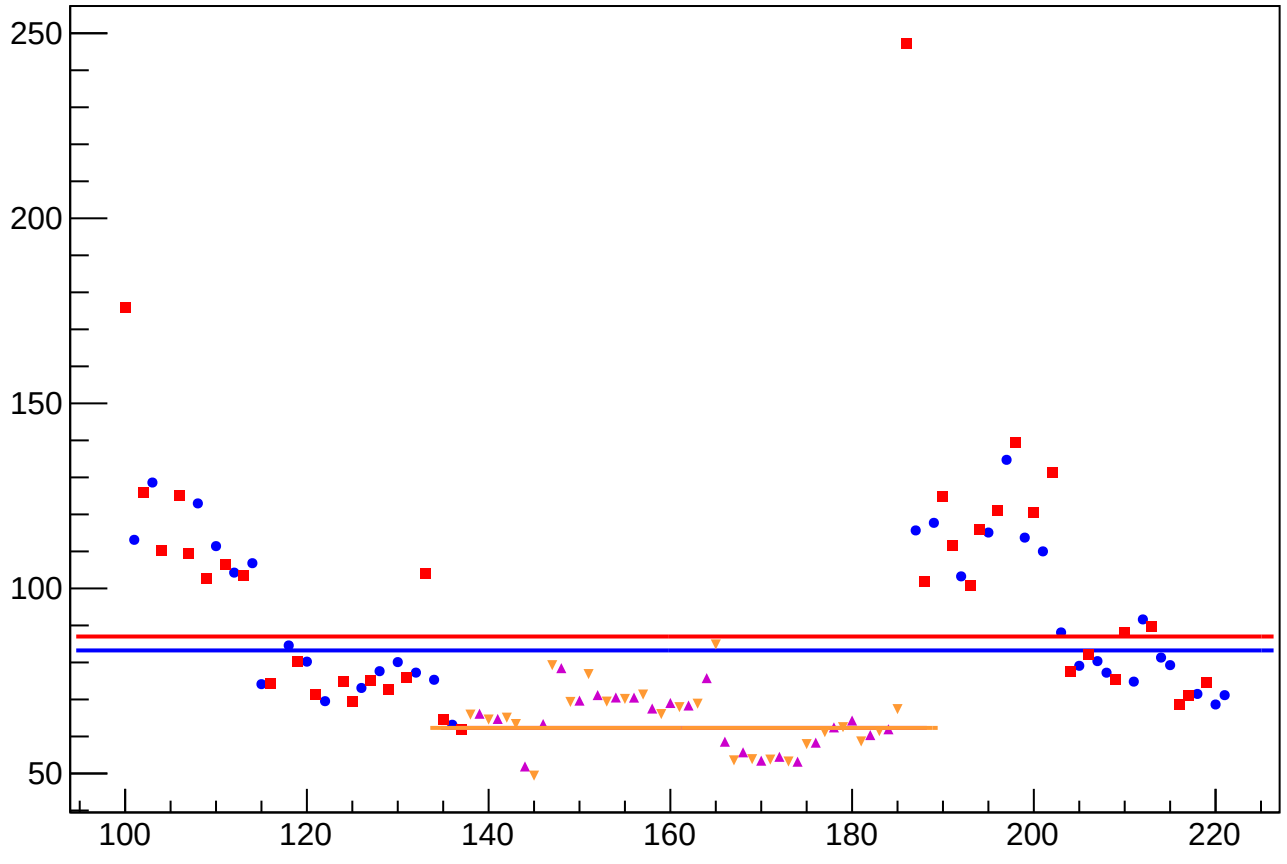
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 21.921+/-13.302 χ^2/NDF: 91.0/70

In: -12.889+/-11.467 χ^2/NDF:58.7/56

Out: 10.199+/-11.527 χ^2/NDF:99.3/61

All: -1.405+/-8.130 χ^2/NDF: 160.1/118



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: 87.009+/-0.014 χ^2/NDF: 2375114.9/36

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

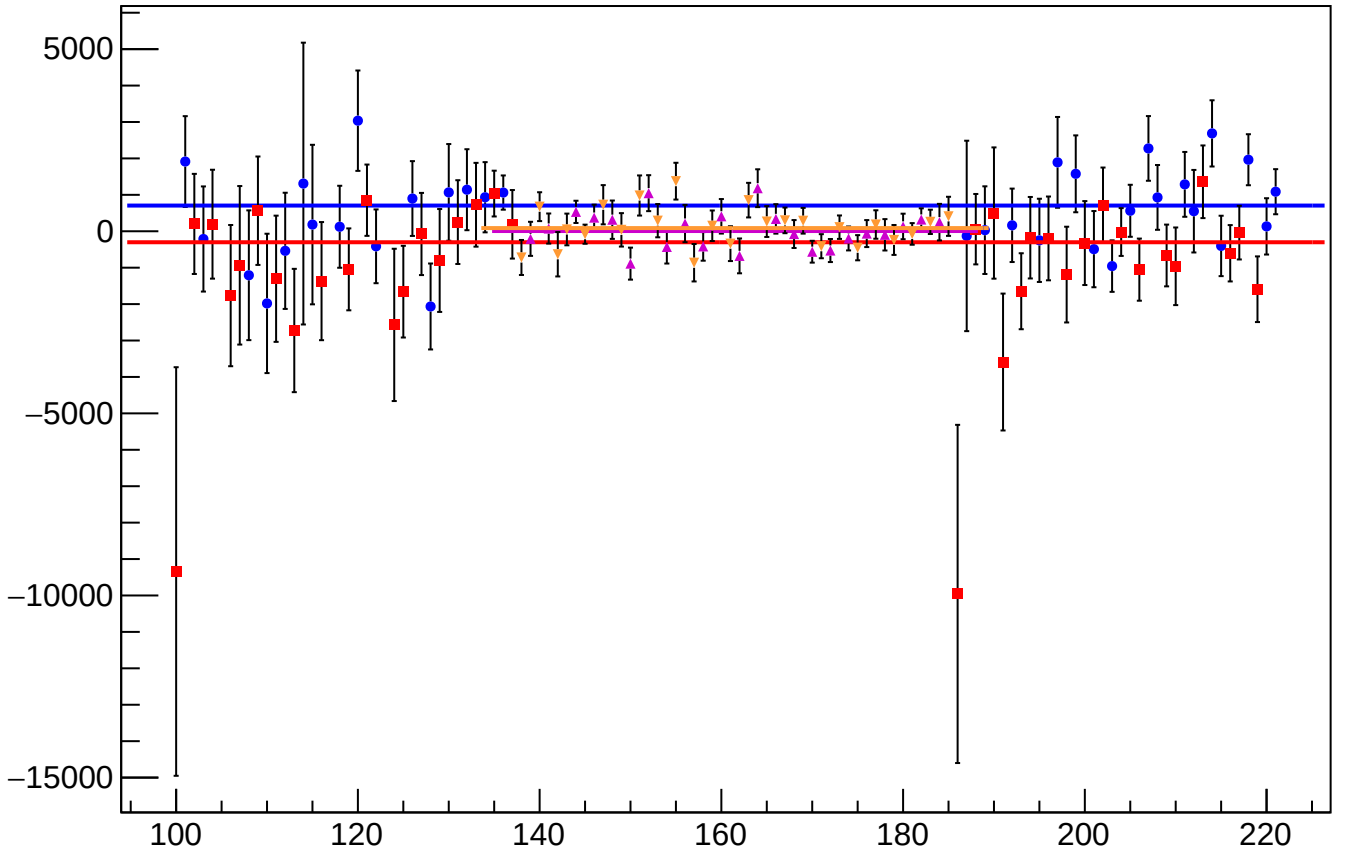
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 85.007+/-0.009 χ^2/NDF: 4115133.5/70

In: 70.594+/-0.008 χ^2/NDF:3778968.2/56

Out: 70.989+/-0.008 χ^2/NDF:5102716.3/61

All: 70.790+/-0.006 χ^2/NDF: 8882865.6/118



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: -301.743+/-181.600 χ^2/NDF: 34.3/36

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

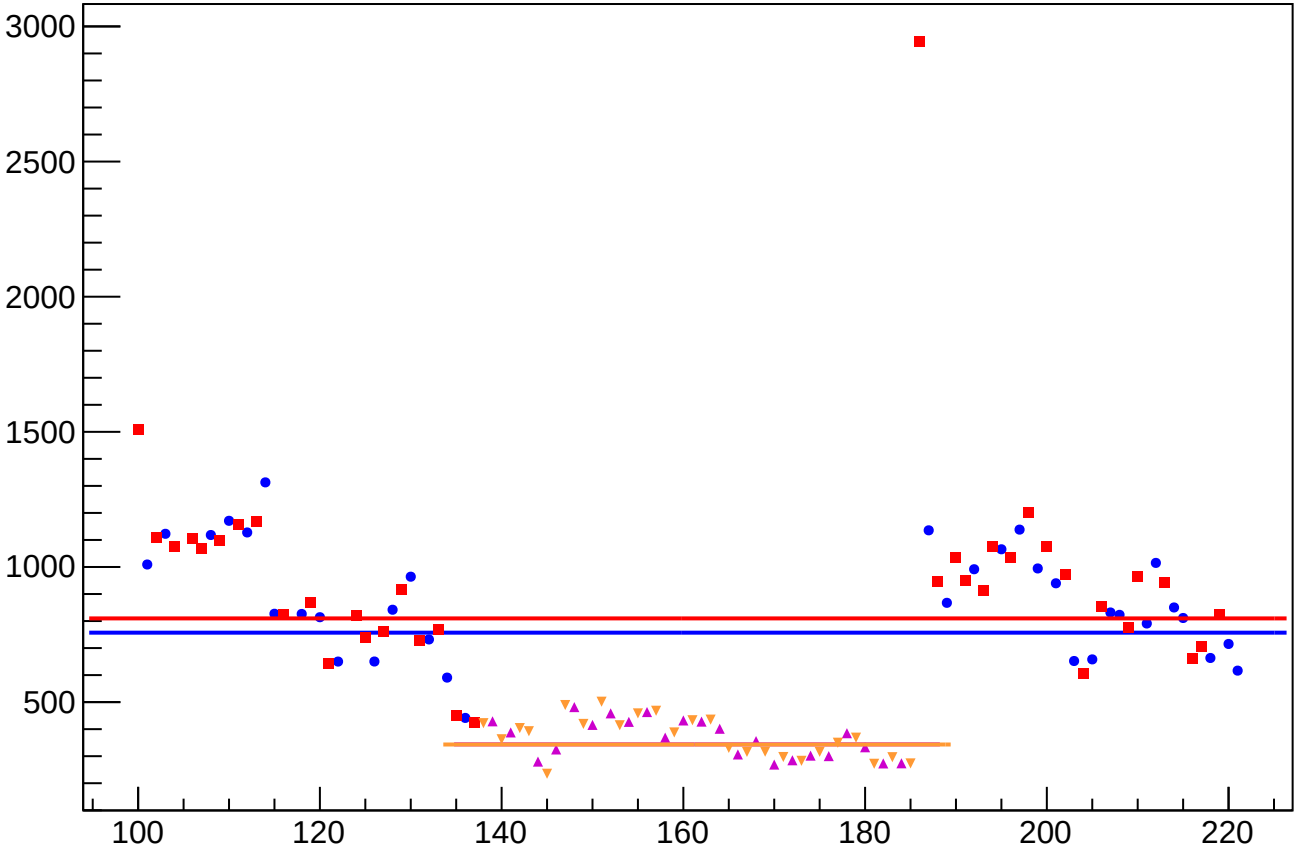
Right: 244.172+/-122.896 χ^2/NDF: 91.1/70

In: 142.665+/-73.679 χ^2/NDF:86.6/56

Out: 24.023+/-73.086 χ^2/NDF:69.8/61

All: 82.864+/-51.888 χ^2/NDF: 157.7/118

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: 809.756+/-0.128 χ^2/NDF: 3045879.0/36

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

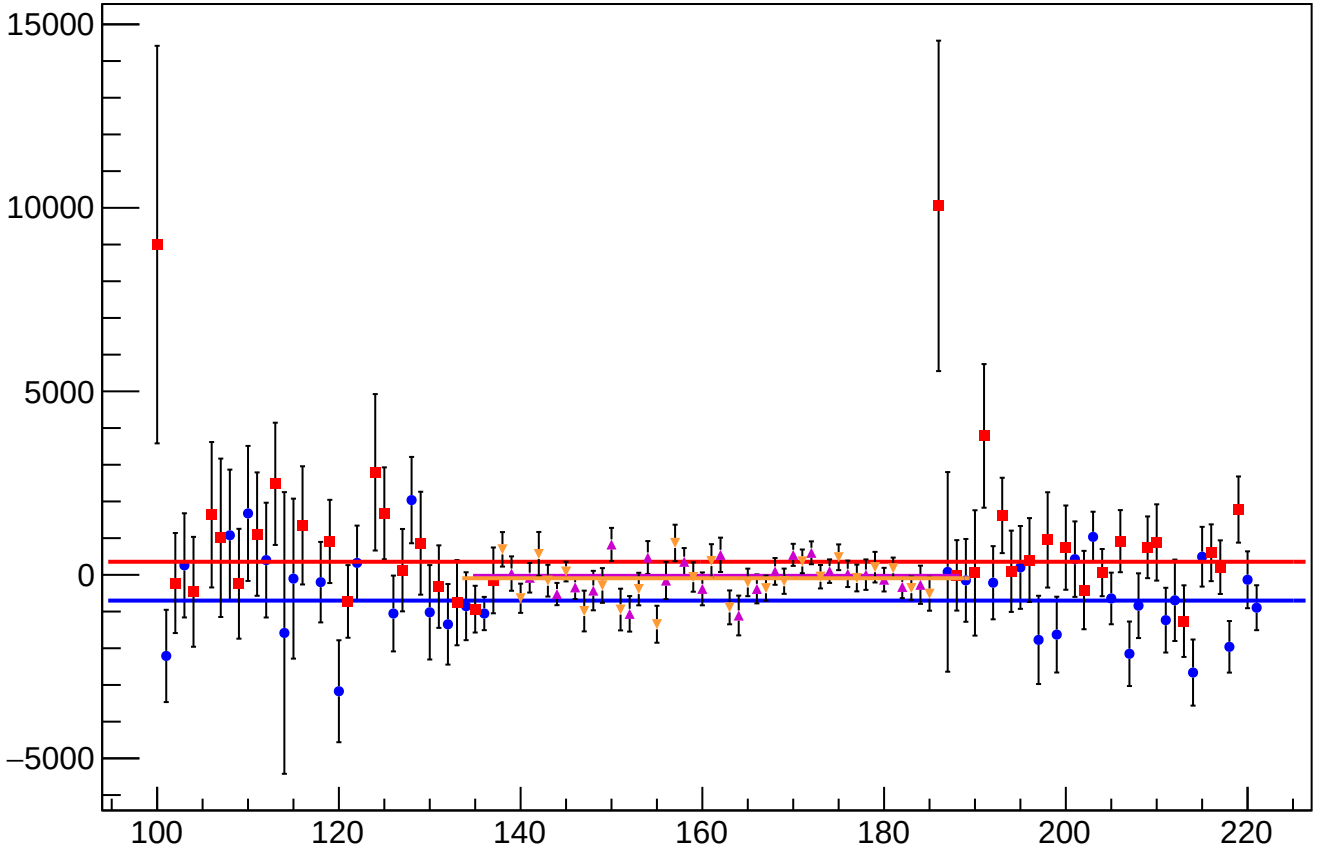
Right: 781.156+/-0.087 χ^2/NDF: 5801711.4/70

In: 424.231+/-0.052 χ^2/NDF:13793220.9/56

Out: 418.789+/-0.052 χ^2/NDF:15702943.7/61

All: 421.488+/-0.037 χ^2/NDF: 29501665.0/1

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: 356.411+/-180.450 χ^2/NDF: 32.4/36

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

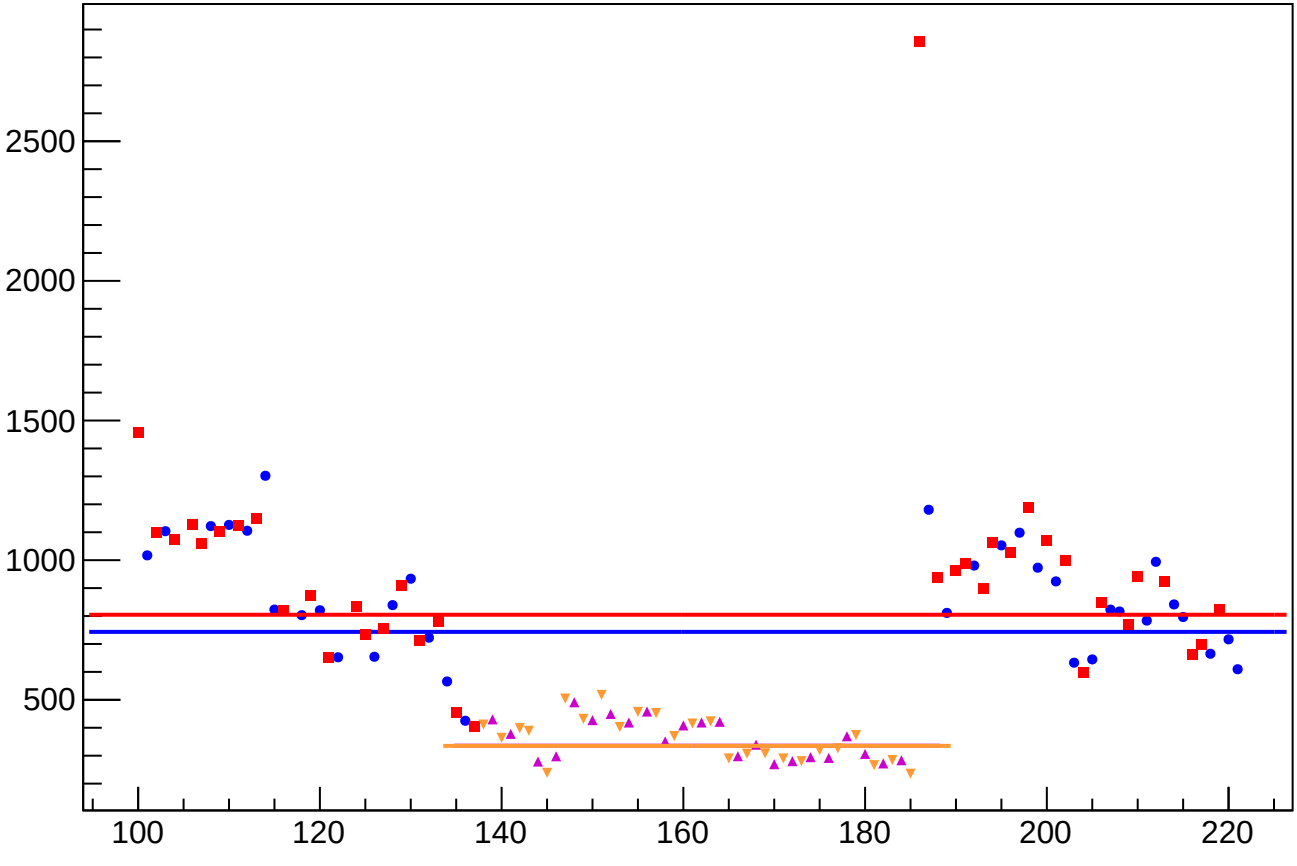
Right: -222.355+/-121.444 χ^2/NDF: 91.7/70

In: -157.092+/-72.068 χ^2/NDF:85.0/56

Out: -21.691+/-71.740 χ^2/NDF:71.9/61

All: -89.083+/-50.844 χ^2/NDF: 158.6/118

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: 804.590+/-0.128 χ^2/NDF: 3035470.3/36

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

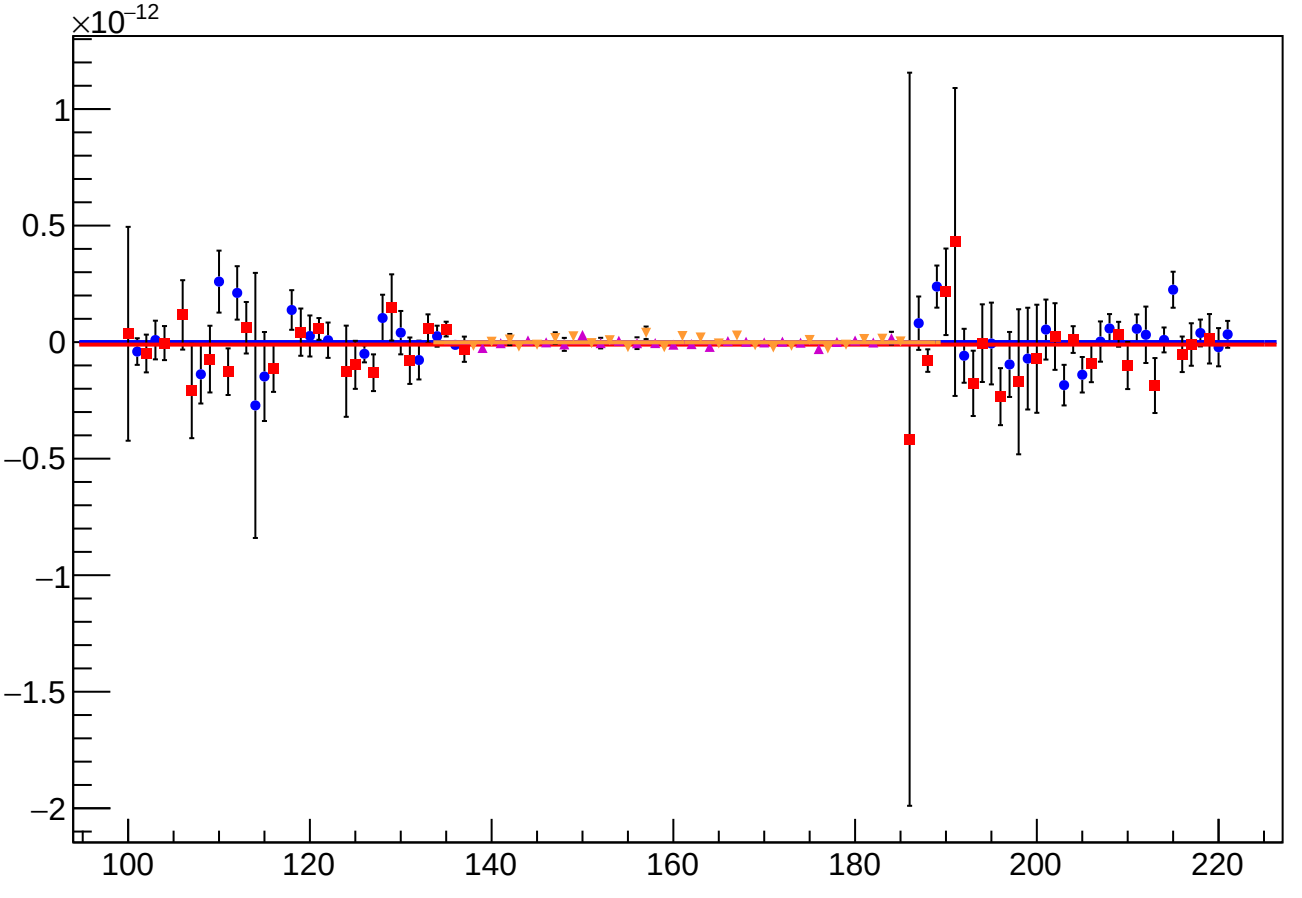
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 771.068+/-0.086 χ^2/NDF: 5916542.6/70

In: 414.299+/-0.051 χ^2/NDF:13993264.0/56

Out: 409.347+/-0.051 χ^2/NDF:16137689.9/61

All: 411.812+/-0.036 χ^2/NDF: 30135696.3/11



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: 32.5/36

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

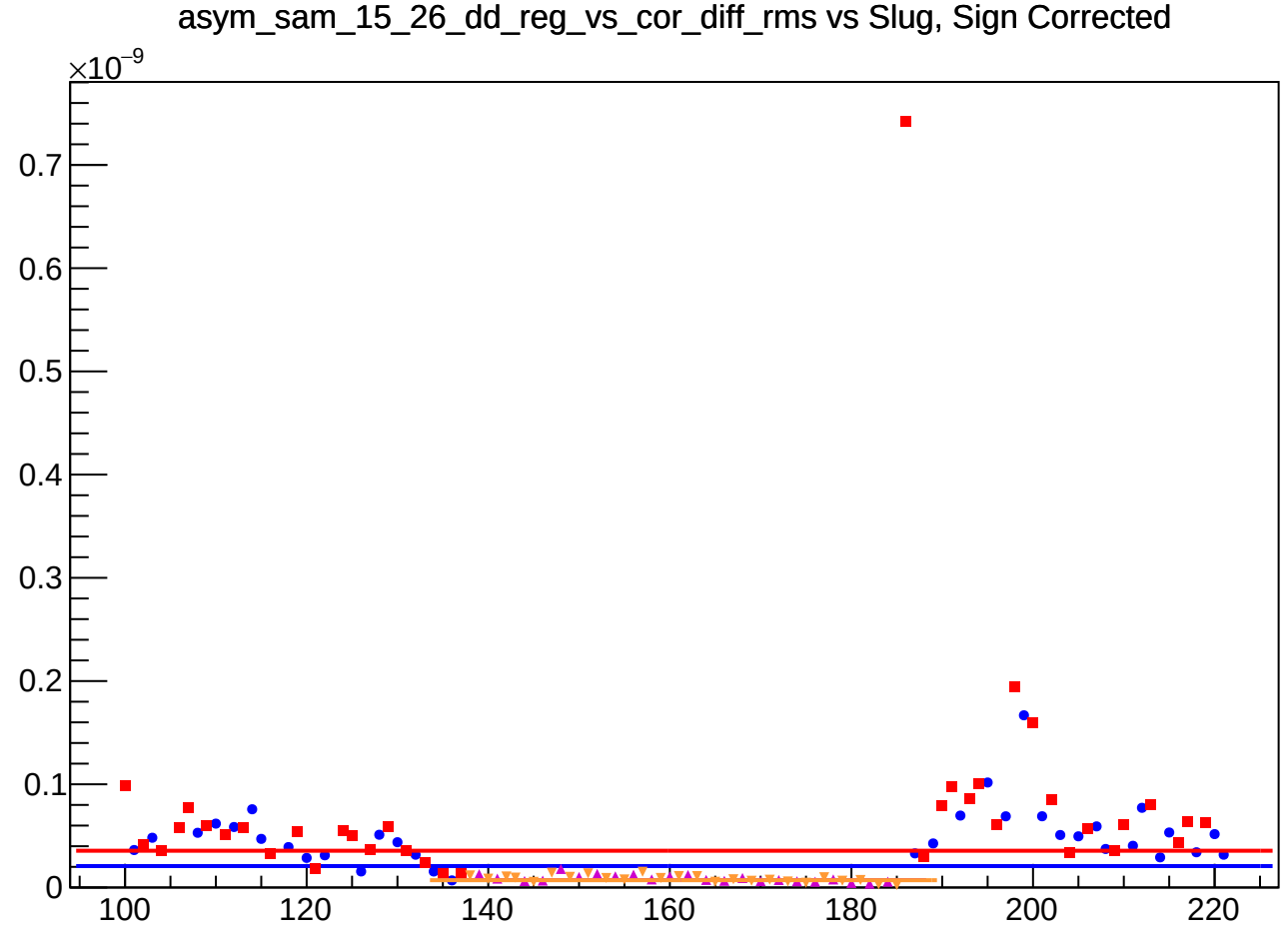
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

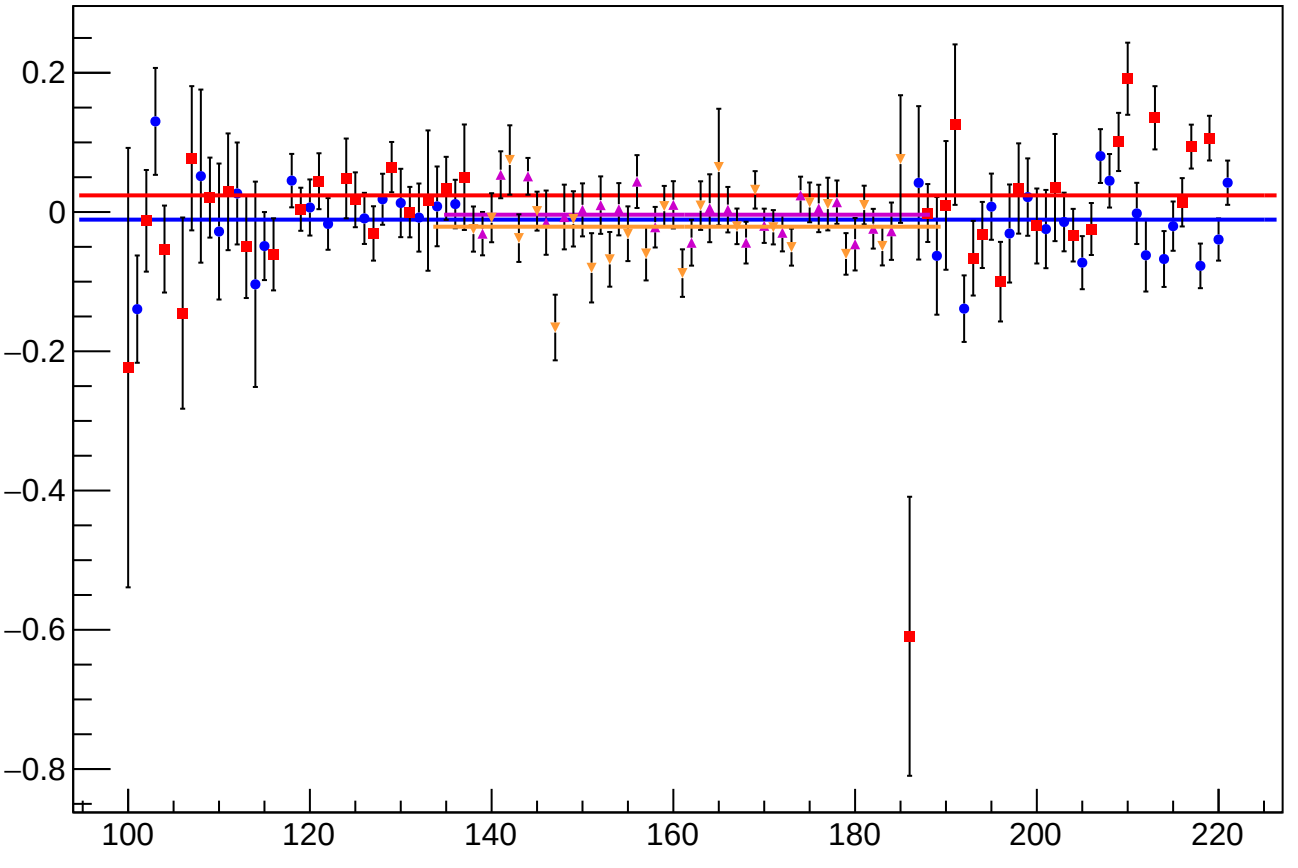
Right: -0.000+/-0.000 χ^2/NDF: 78.1/70

In: -0.000+/-0.000 χ^2/NDF:60.0/56

Out: -0.000+/-0.000 χ^2/NDF:66.2/61

All: -0.000+/-0.000 χ^2/NDF: 126.3/118


asym_sam_15_26_dd_reg_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: 8911533.6/33
Left Out: 0.000+/-0.000 χ²/NDF:2000233.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5623127.9/36
Left In: 0.000+/-0.000 χ²/NDF:1604062.0/22
Left: 0.000+/-0.000 χ²/NDF: 3606525.6/47
Right: 0.000+/-0.000 χ²/NDF: 16171448.8/70
In: 0.000+/-0.000 χ²/NDF:14469960.3/56
Out: 0.000+/-0.000 χ²/NDF:16035931.7/61
All: 0.000+/-0.000 χ²/NDF: 30512495.2/118



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: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

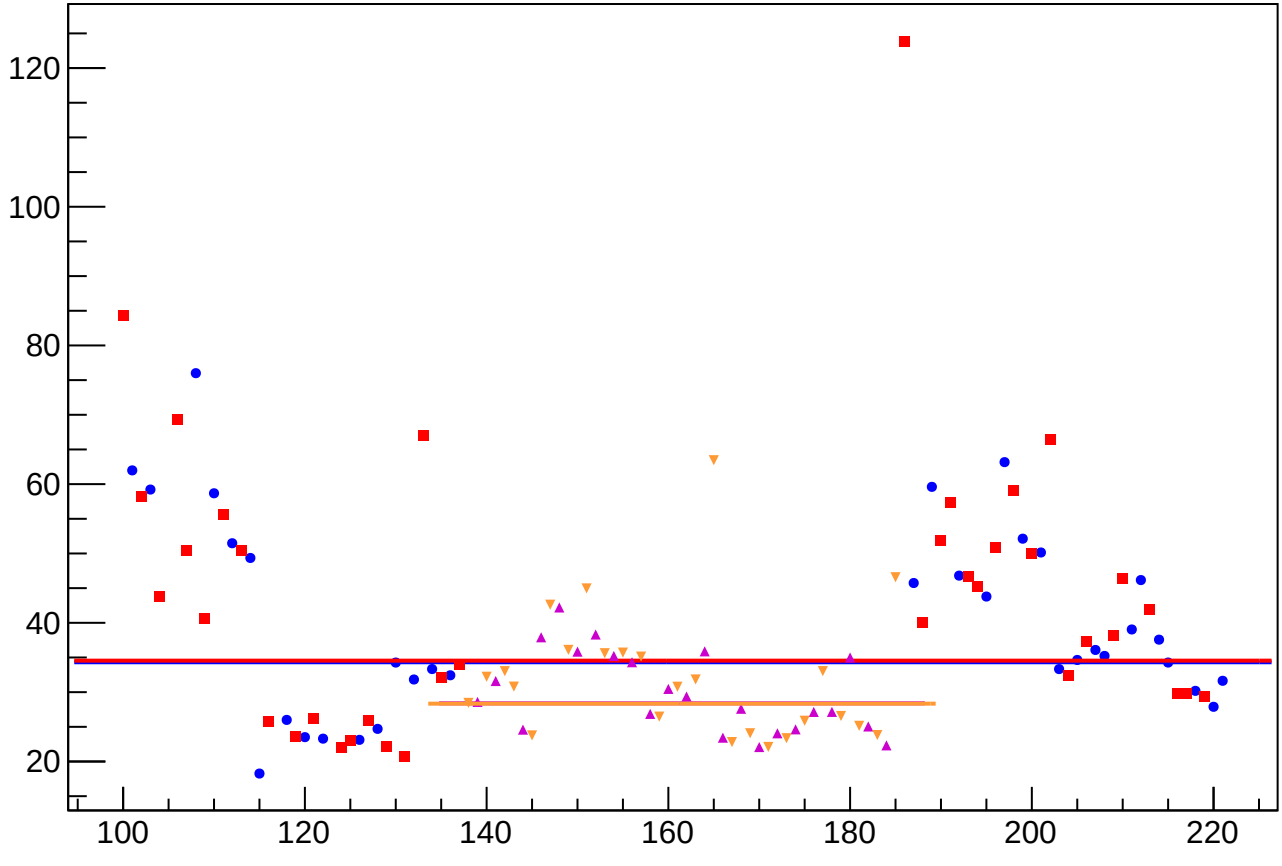
Right: 0.006+/-0.006 χ^2/NDF: 119.7/70

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 185.2/118

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: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

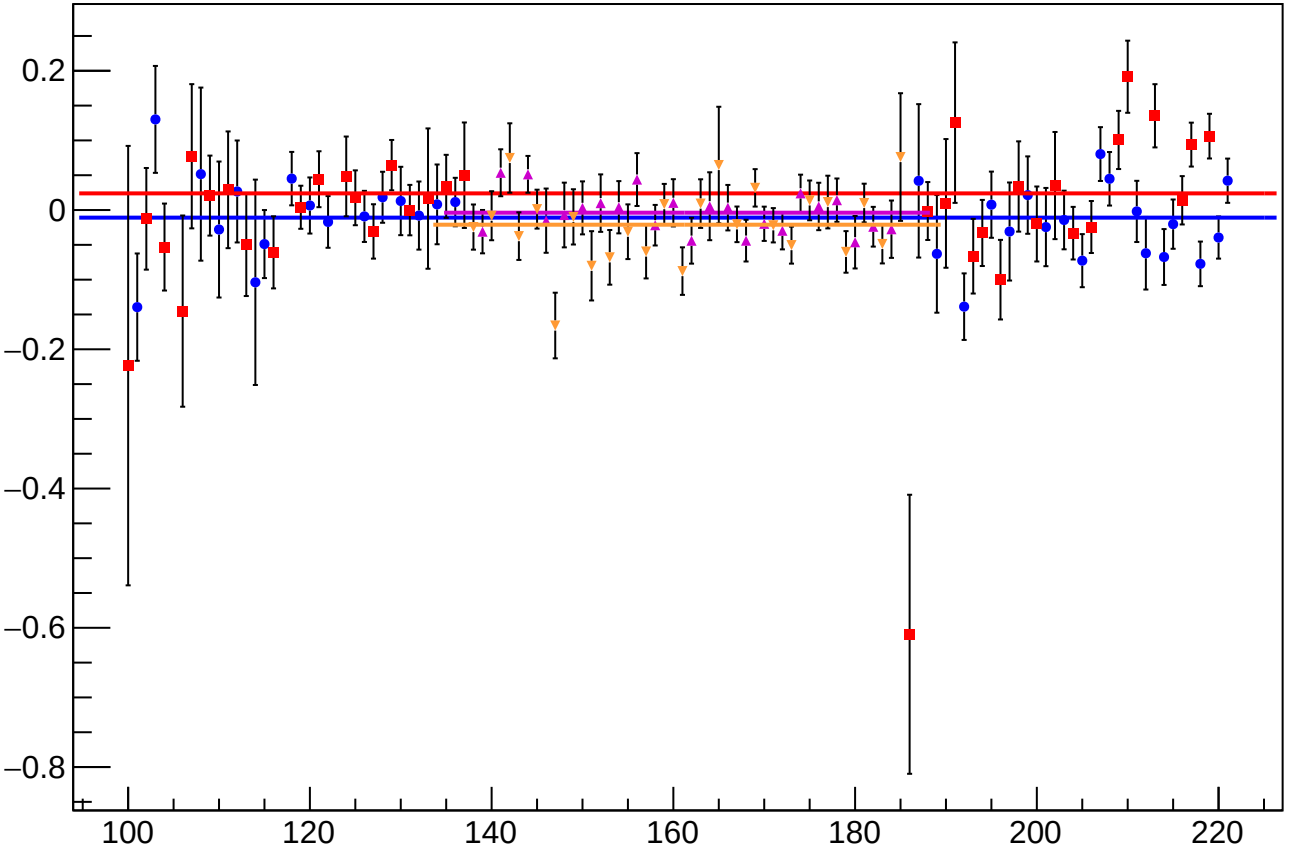
Right: 34.425+/-0.004 χ^2/NDF: 7602136.8/70

In: 30.982+/-0.004 χ^2/NDF:5065350.3/56

Out: 30.870+/-0.004 χ^2/NDF:6726078.2/61

All: 30.926+/-0.003 χ^2/NDF: 11791899.1/118

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

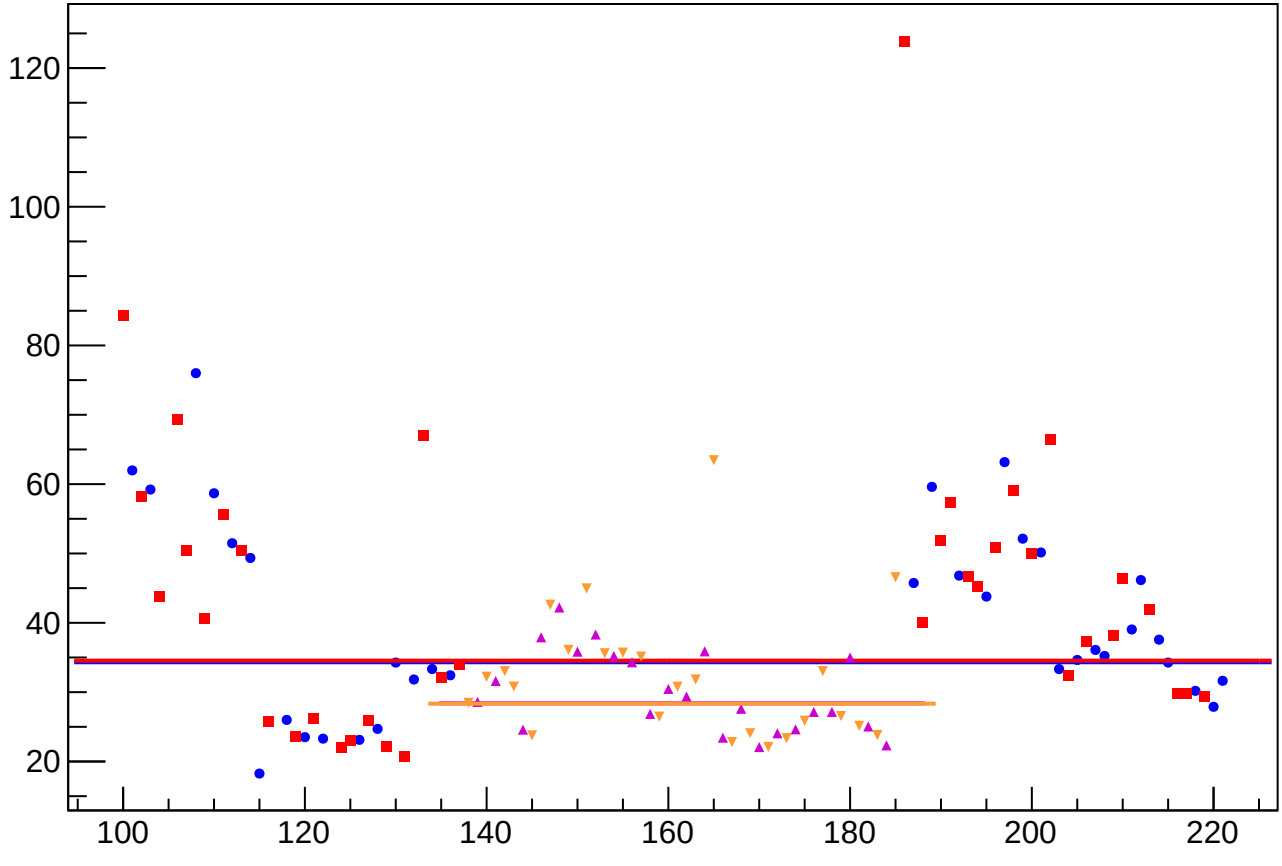
Right: 0.006+/-0.006 χ^2/NDF: 119.7/70

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 185.2/118

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: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

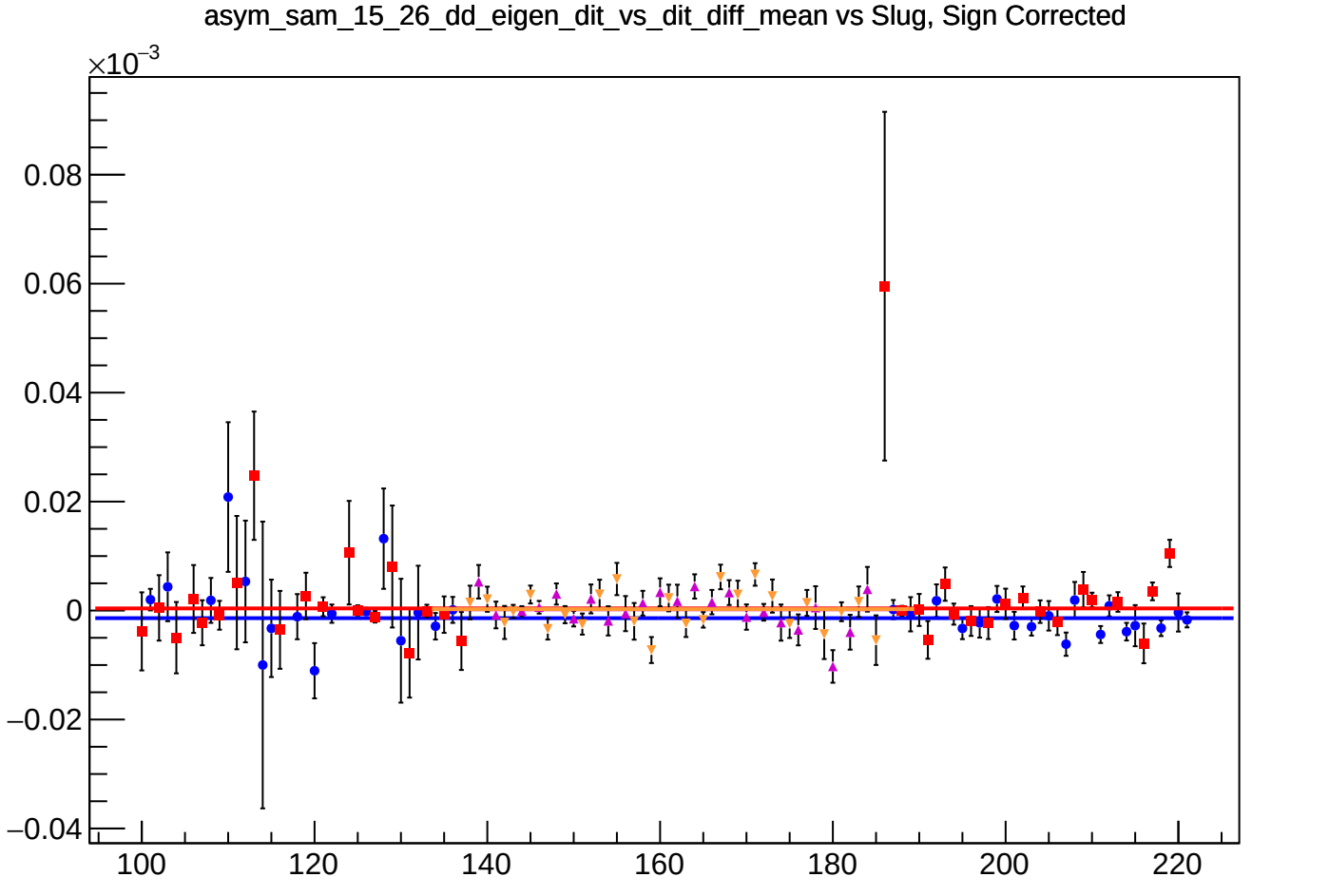
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.425+/-0.004 χ^2/NDF: 7602136.8/70

In: 30.982+/-0.004 χ^2/NDF:5065350.3/56

Out: 30.870+/-0.004 χ^2/NDF:6726078.2/61

All: 30.926+/-0.003 χ^2/NDF: 11791899.1/118



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: 51.6/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

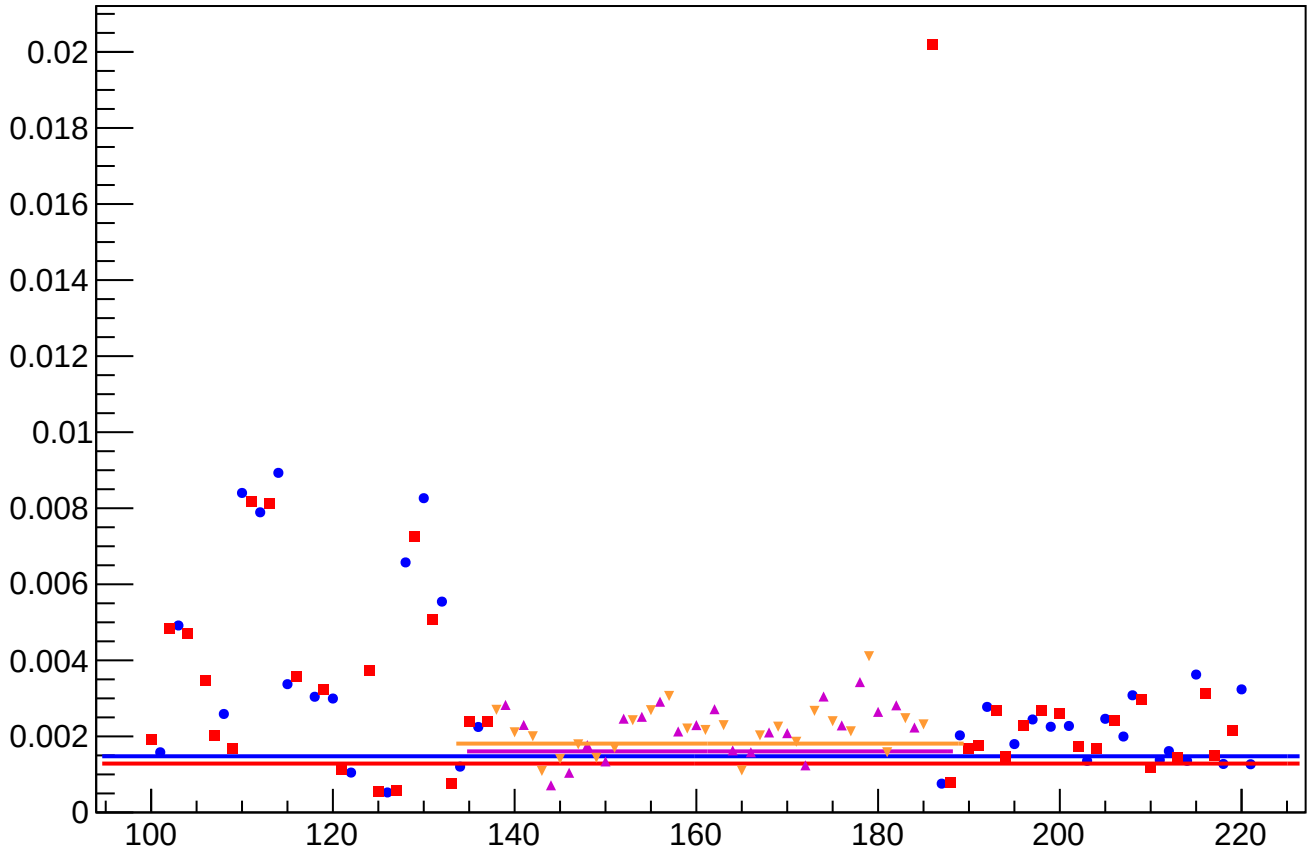
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

Right: -0.000+/-0.000 χ^2/NDF: 102.2/70

In: -0.000+/-0.000 χ^2/NDF:80.2/56

Out: 0.000+/-0.000 χ^2/NDF:102.5/61

All: -0.000+/-0.000 χ^2/NDF: 189.2/118



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: 12488221.3/36

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

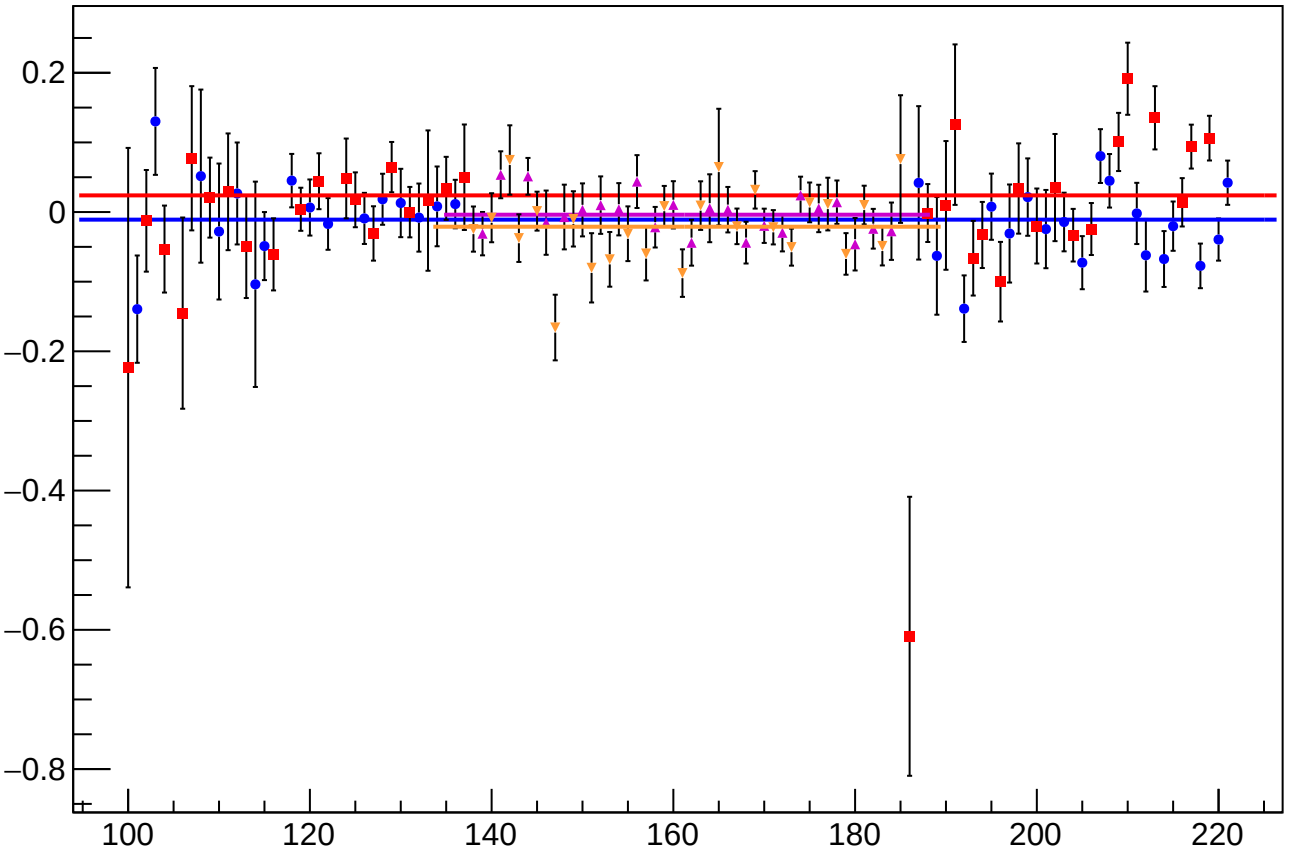
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 23775815.0/70

In: 0.002+/-0.000 χ^2/NDF:17149347.7/56

Out: 0.001+/-0.000 χ^2/NDF:17685978.2/61

All: 0.002+/-0.000 χ^2/NDF: 34857829.9/118



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: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

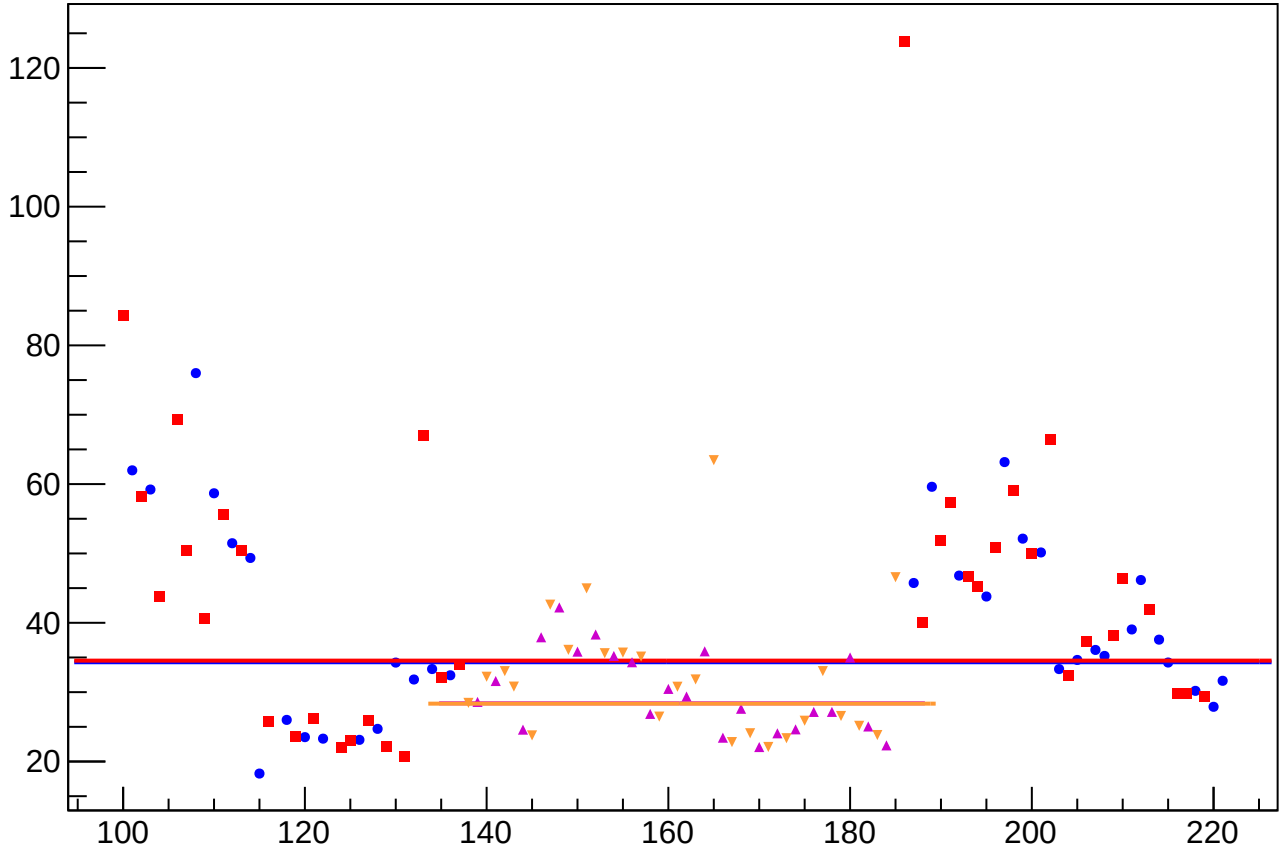
Right: 0.006+/-0.006 χ^2/NDF: 119.7/70

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 185.2/118

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: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

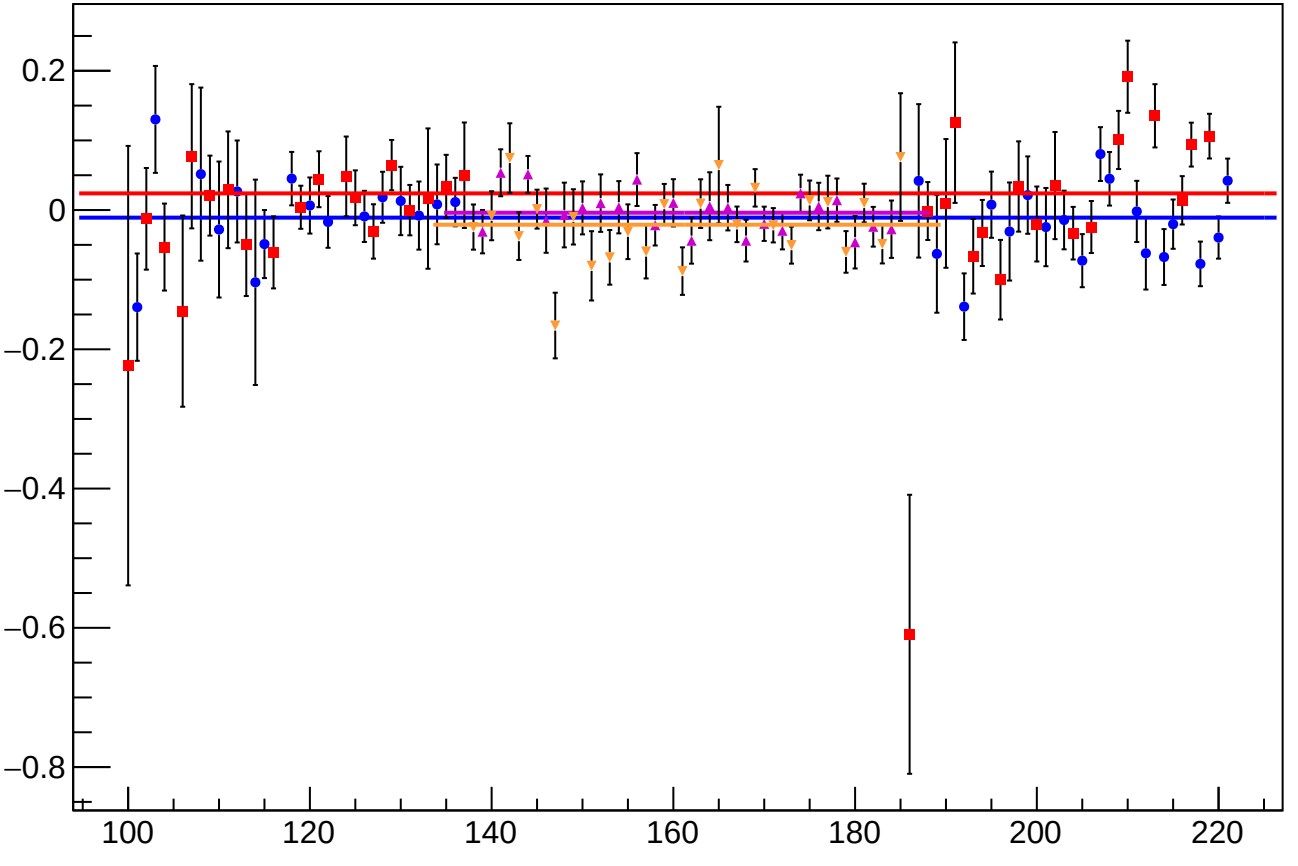
Right: 34.425+/-0.004 χ^2/NDF: 7602117.0/70

In: 30.982+/-0.004 χ^2/NDF:5065170.8/56

Out: 30.870+/-0.004 χ^2/NDF:6726092.3/61

All: 30.926+/-0.003 χ^2/NDF: 11791735.7/118

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

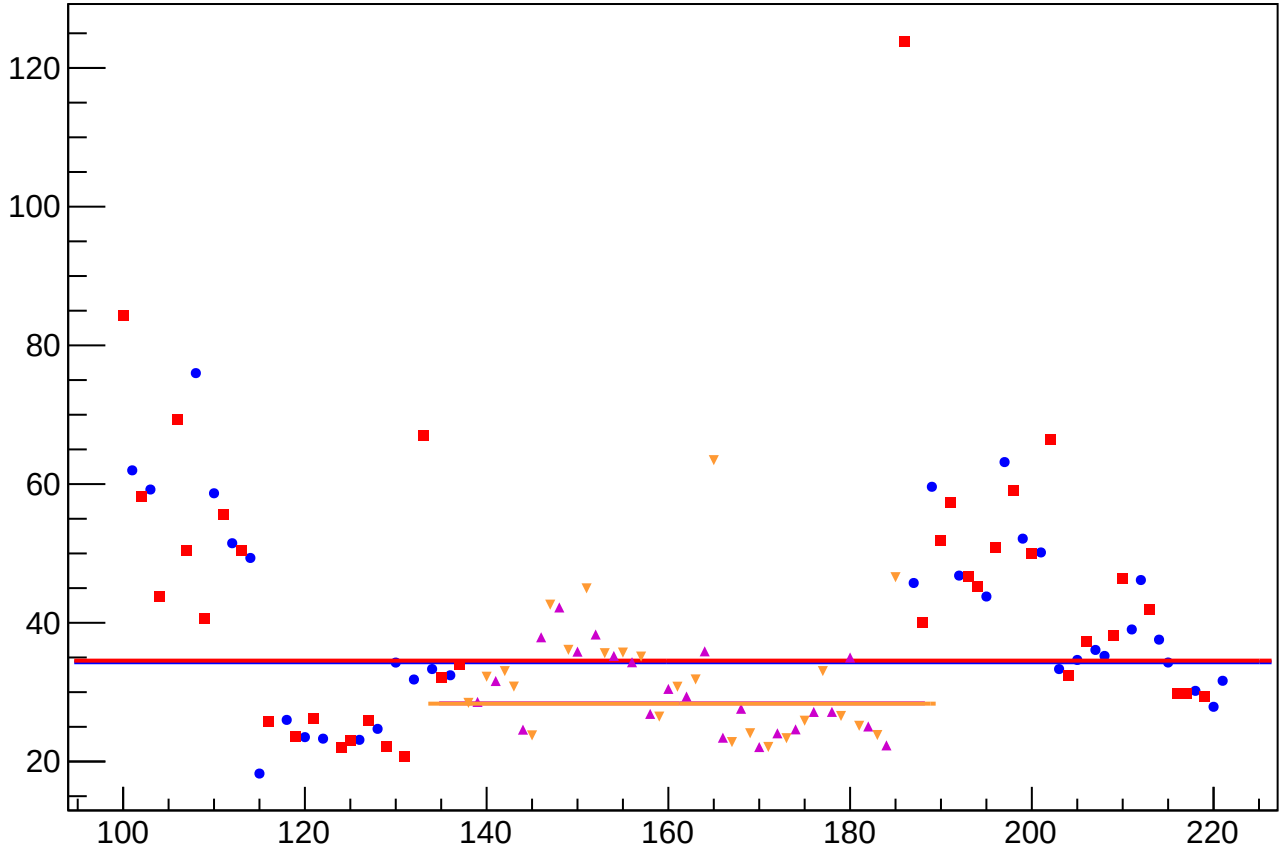
Right: 0.006+/-0.006 χ^2/NDF: 119.7/70

In: -0.007+/-0.005 χ^2/NDF:60.4/56

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 185.2/118

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: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

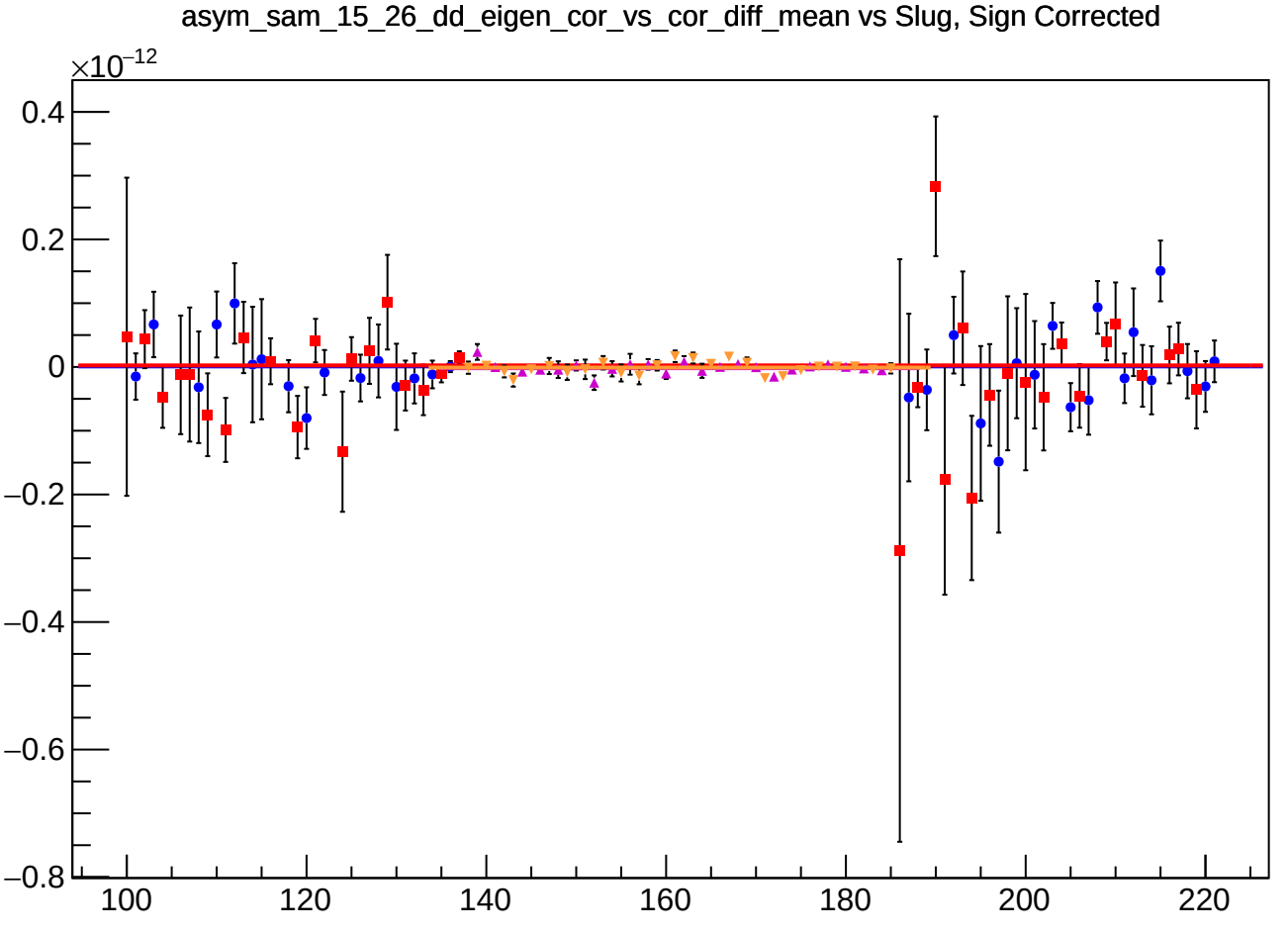
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.425+/-0.004 χ^2/NDF: 7602117.0/70

In: 30.982+/-0.004 χ^2/NDF:5065170.8/56

Out: 30.870+/-0.004 χ^2/NDF:6726092.3/61

All: 30.926+/-0.003 χ^2/NDF: 11791735.7/118



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: 40.0/36

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

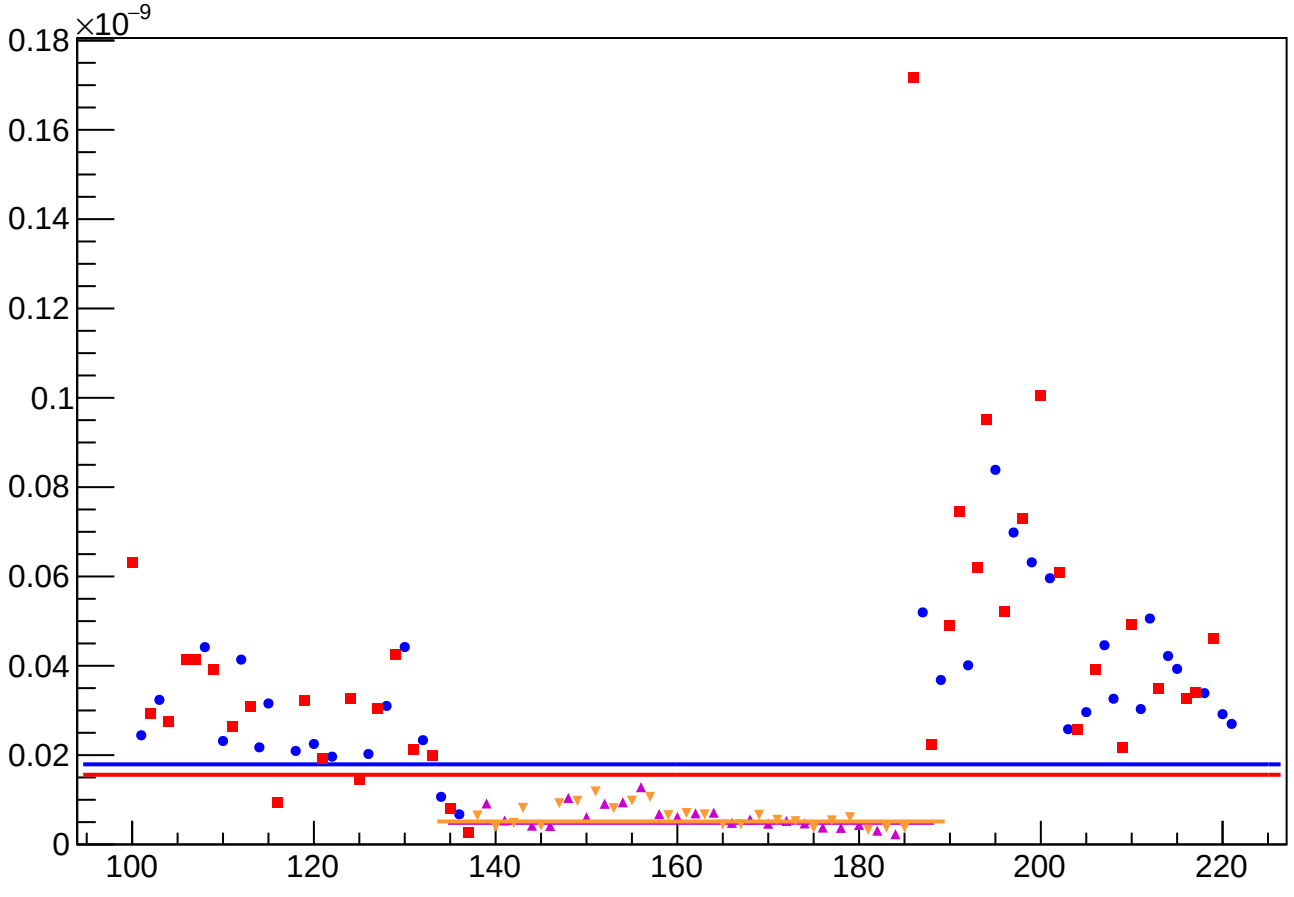
Right: 0.000+/-0.000 χ^2/NDF: 77.7/70

In: -0.000+/-0.000 χ^2/NDF:57.4/56

Out: -0.000+/-0.000 χ^2/NDF:74.4/61

All: -0.000+/-0.000 χ^2/NDF: 132.1/118

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 12938916.0/36

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

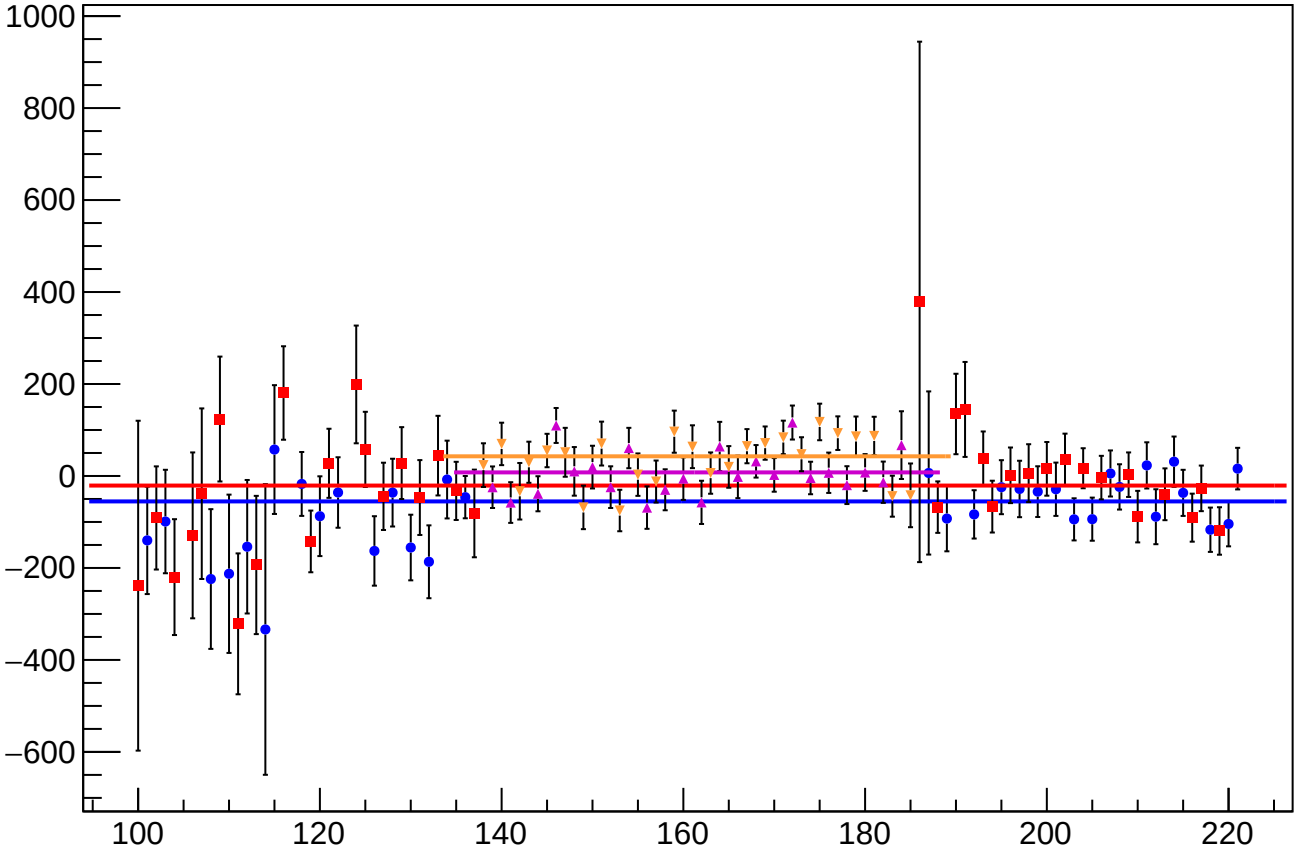
Right: 0.000+/-0.000 χ^2/NDF: 23673389.4/70

In: 0.000+/-0.000 χ^2/NDF:22909459.0/56

Out: 0.000+/-0.000 χ^2/NDF:21900350.4/61

All: 0.000+/-0.000 χ^2/NDF: 44825312.9/118

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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: -20.837+/-11.528 χ^2/NDF: 41.5/36

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

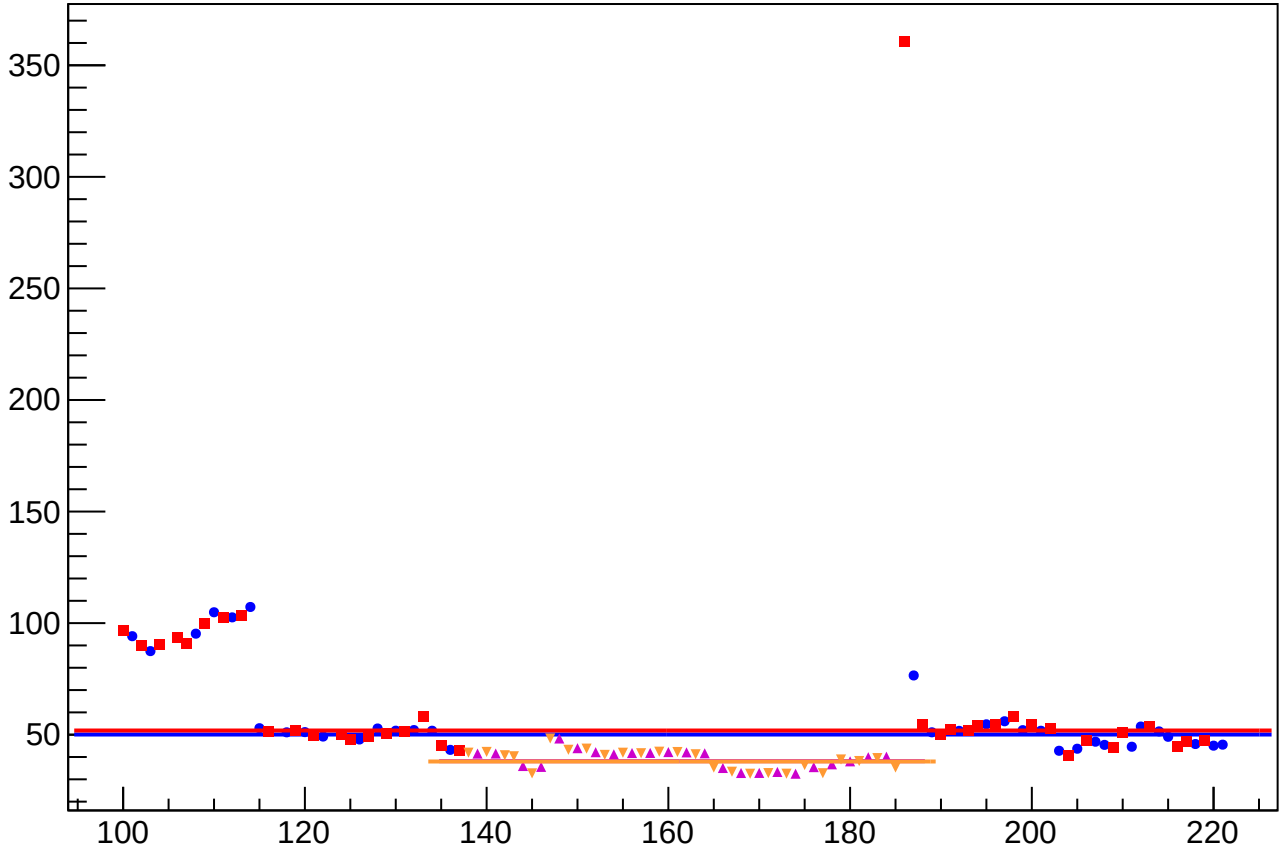
Right: -39.061+/-7.914 χ^2/NDF: 73.8/70

In: -17.752+/-6.924 χ^2/NDF:78.2/56

Out: 19.692+/-6.943 χ^2/NDF:95.6/61

All: 0.917+/-4.903 χ^2/NDF: 188.4/118

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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: 51.875+/-0.008 χ^2/NDF: 2320025.2/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

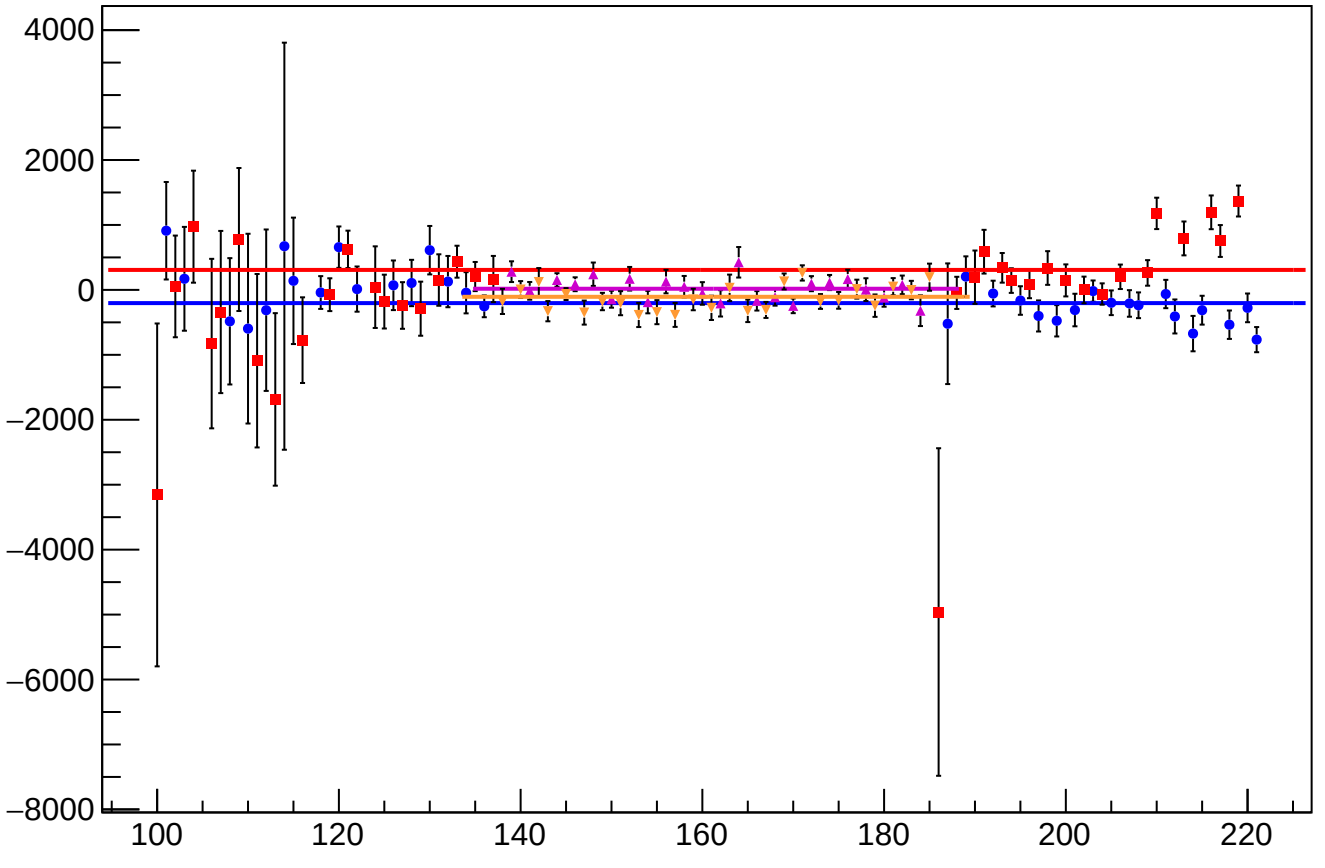
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 50.925+/-0.006 χ^2/NDF: 3897697.2/70

In: 42.968+/-0.005 χ^2/NDF:3414391.2/56

Out: 43.027+/-0.005 χ^2/NDF:4682637.7/61

All: 42.997+/-0.003 χ^2/NDF: 8097102.3/118



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: 307.447+/-47.942 χ^2/NDF: 88.2/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

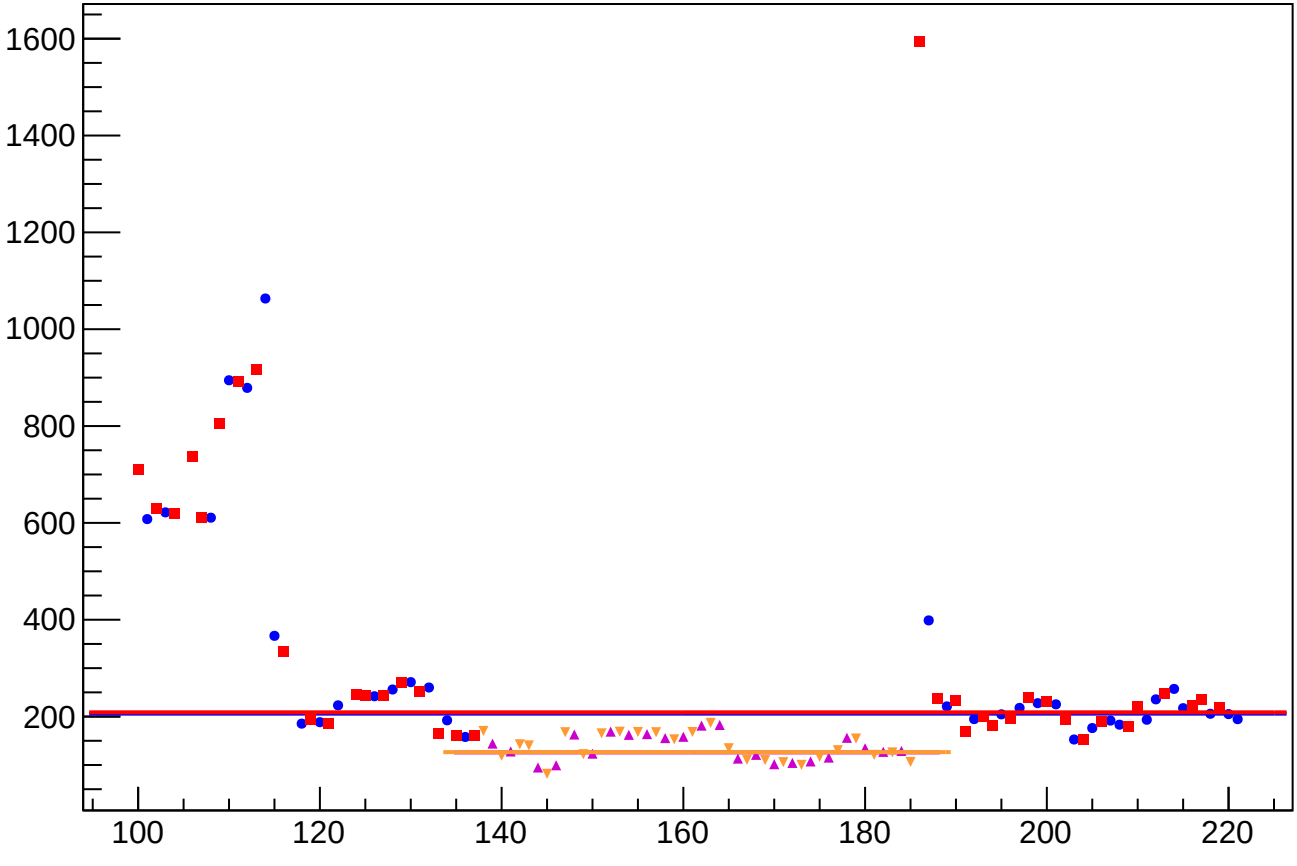
Right: 40.948+/-33.160 χ^2/NDF: 186.4/70

In: -49.179+/-25.223 χ^2/NDF:83.4/56

Out: 7.537+/-25.164 χ^2/NDF:179.9/61

All: -20.754+/-17.814 χ^2/NDF: 265.8/118

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: 208.775+/-0.034 χ^2/NDF: 4863141.0/36

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

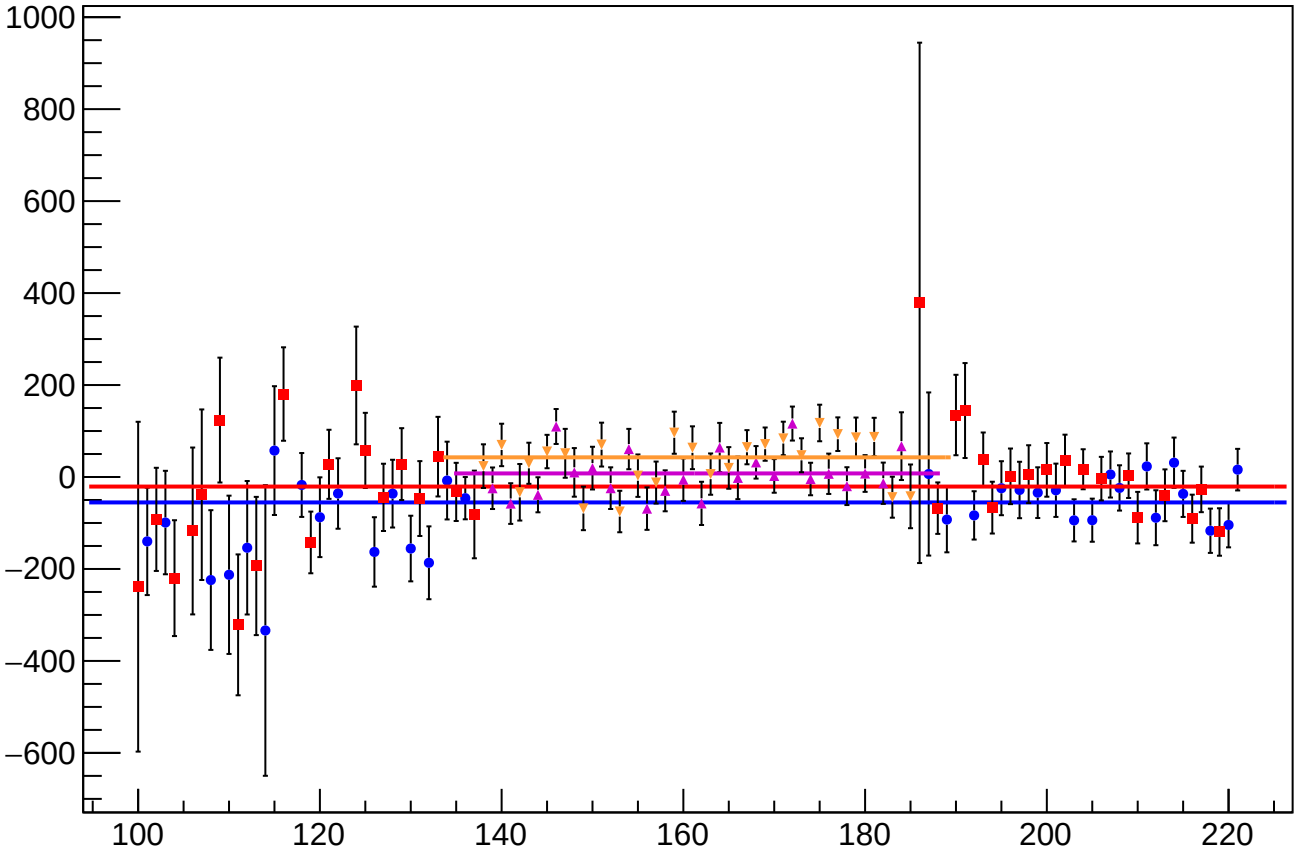
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 207.359+/-0.023 χ^2/NDF: 8451901.1/70

In: 150.169+/-0.018 χ^2/NDF:9240413.5/56

Out: 149.211+/-0.018 χ^2/NDF:10882541.0/61

All: 149.689+/-0.013 χ^2/NDF: 20124402.5/11



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: -20.793+/-11.528 χ^2/NDF: 41.4/36

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

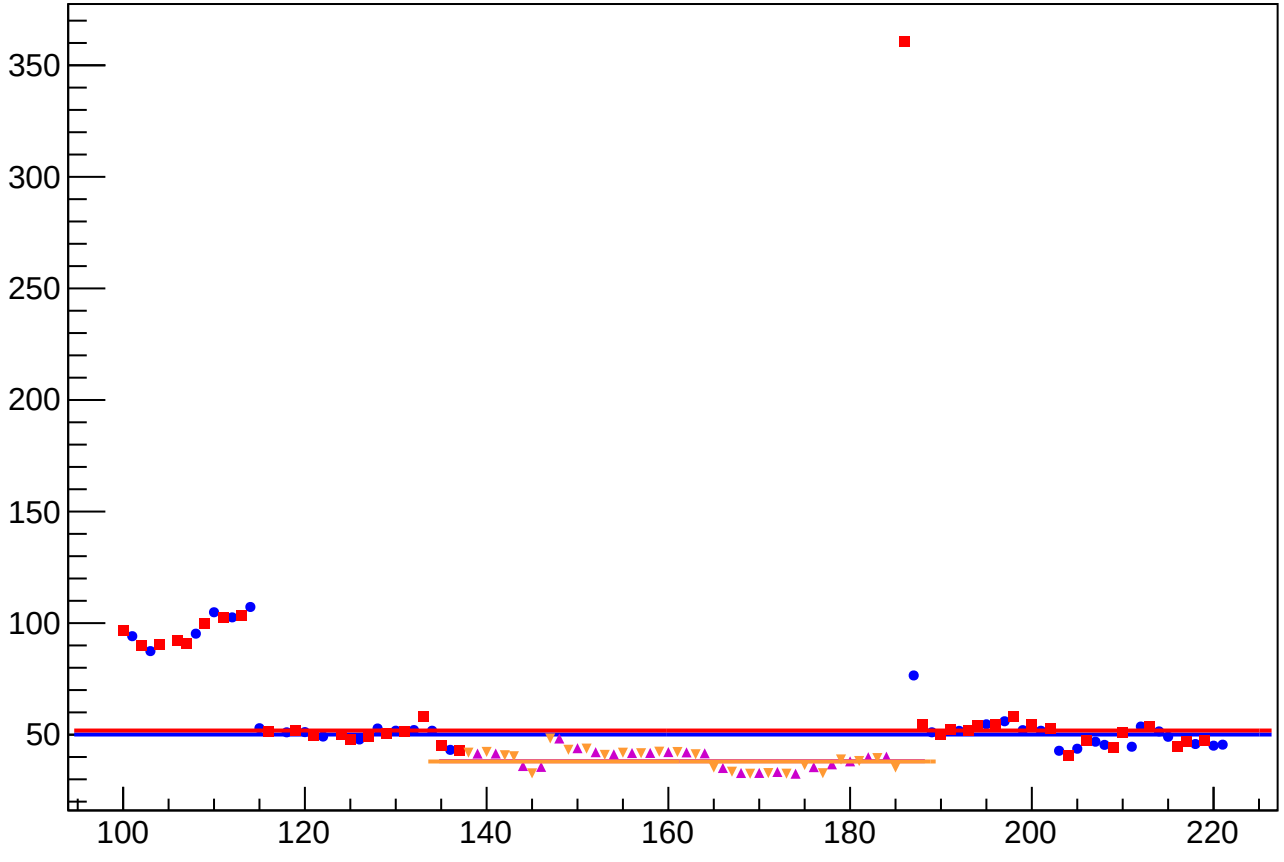
Right: -39.040+/-7.914 χ^2/NDF: 73.8/70

In: -17.751+/-6.924 χ^2/NDF:78.2/56

Out: 19.710+/-6.943 χ^2/NDF:95.5/61

All: 0.926+/-4.903 χ^2/NDF: 188.4/118

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: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

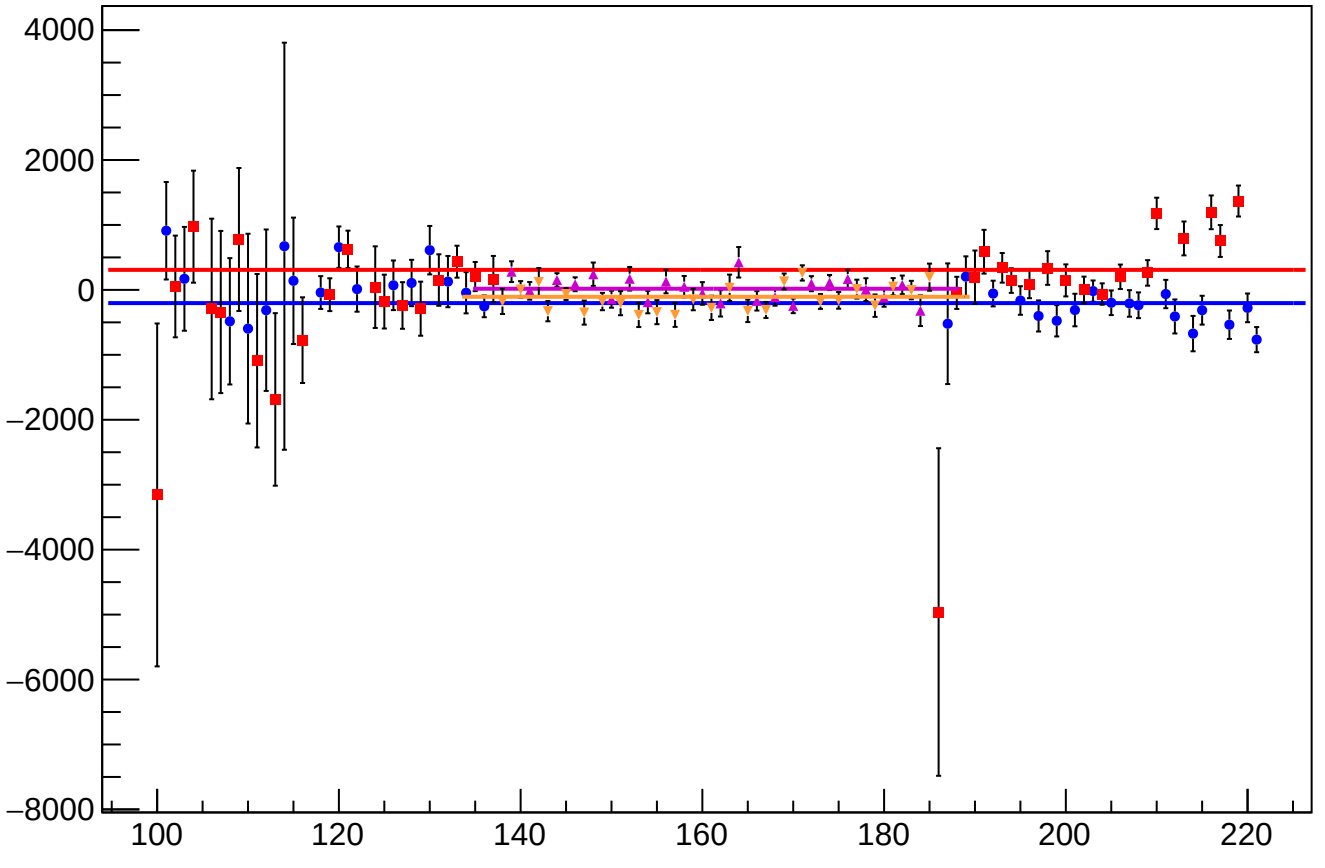
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 50.921+/-0.006 χ^2/NDF: 3888697.0/70

In: 42.968+/-0.005 χ^2/NDF:3414391.3/56

Out: 43.024+/-0.005 χ^2/NDF:4671632.7/61

All: 42.996+/-0.003 χ^2/NDF: 8086089.9/118



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: 308.255+/-47.945 χ^2/NDF: 87.6/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

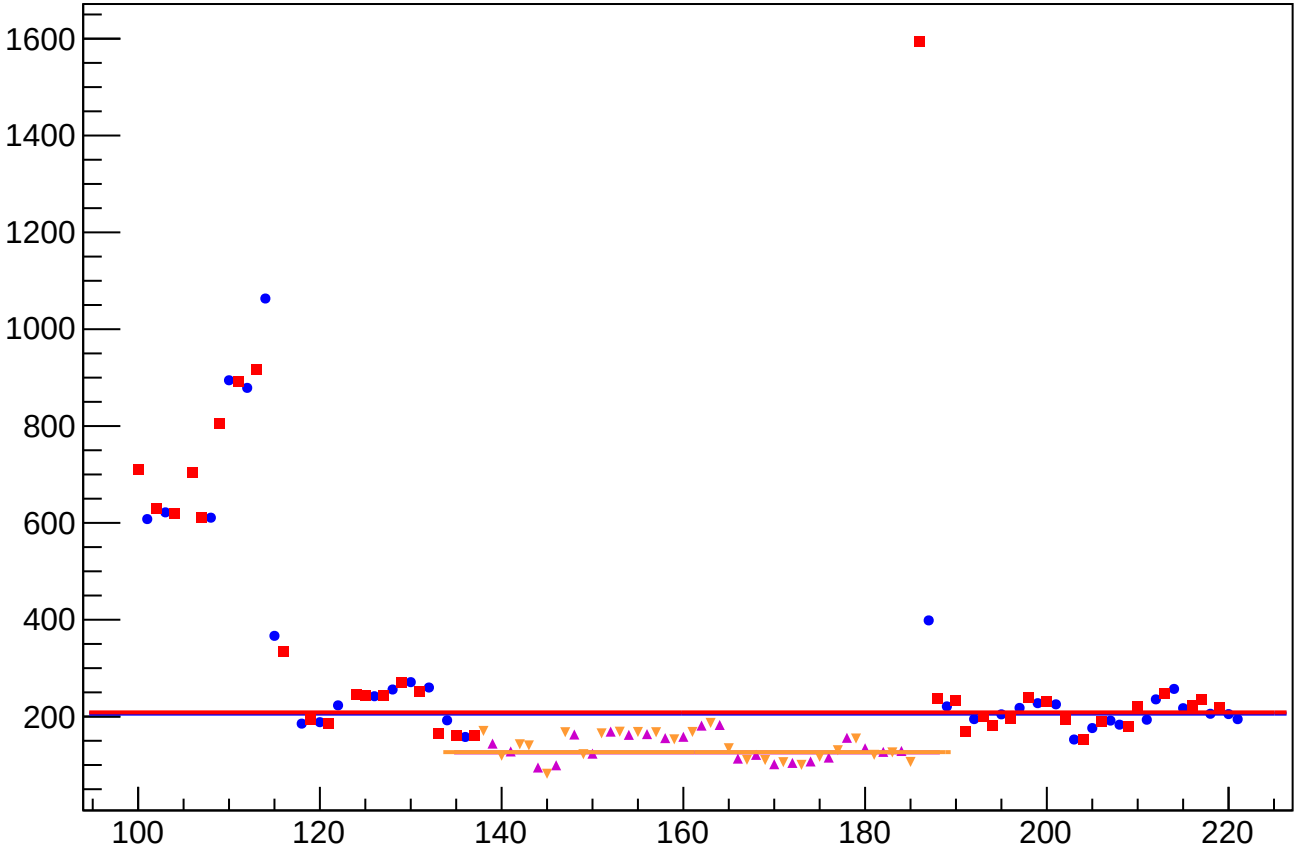
Right: 41.315+/-33.161 χ^2/NDF: 186.0/70

In: -49.178+/-25.223 χ^2/NDF:83.4/56

Out: 7.747+/-25.164 χ^2/NDF:179.5/61

All: -20.649+/-17.814 χ^2/NDF: 265.4/118

asym_sam_37_26_dd_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: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

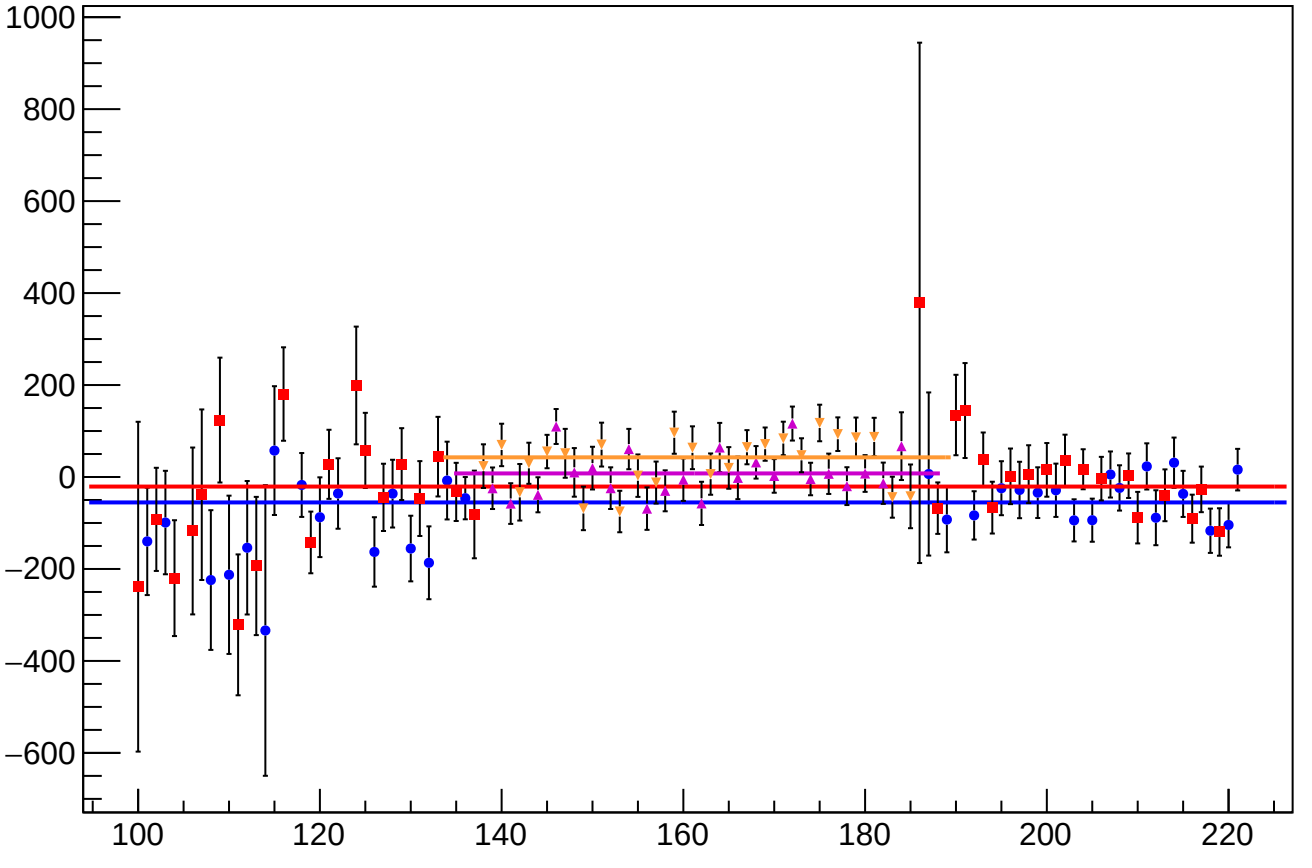
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

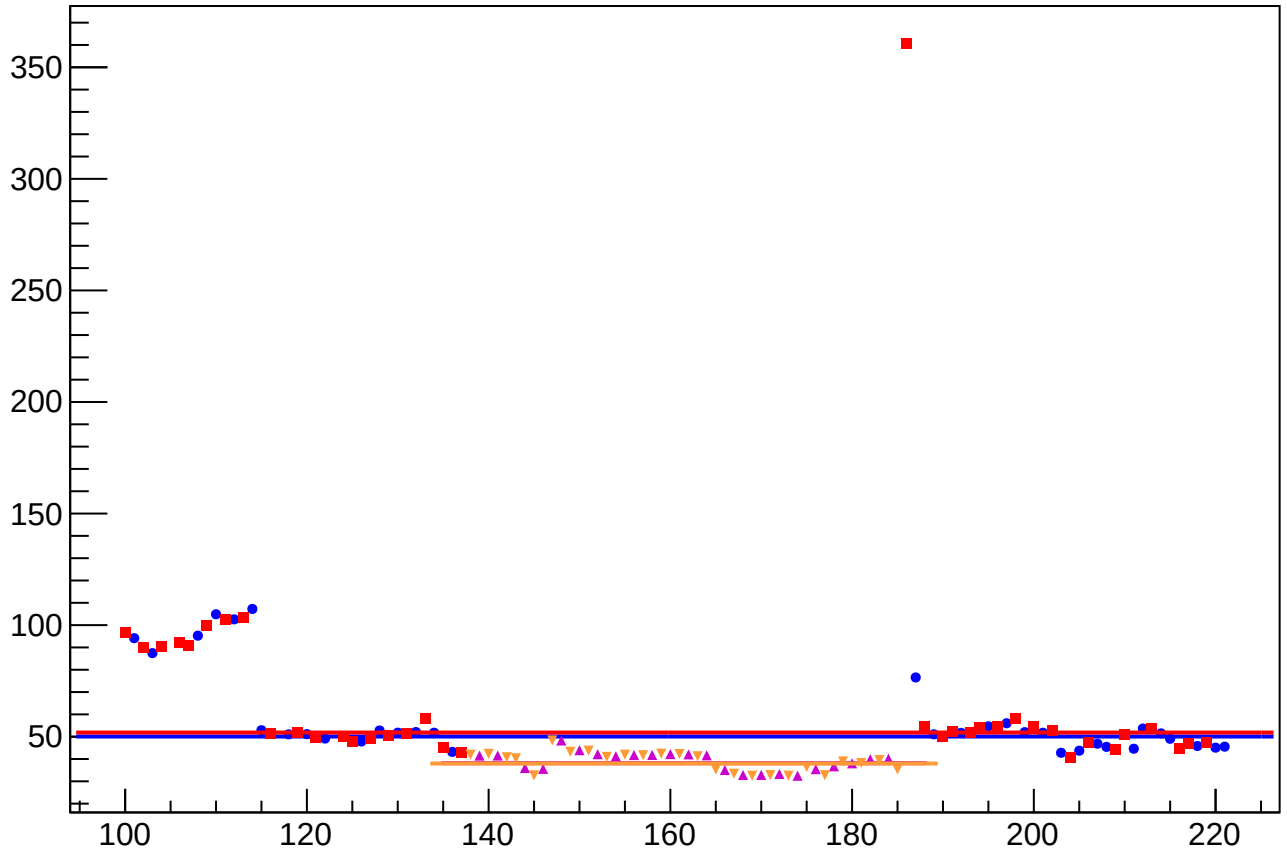
Right: 207.300+/-0.023 χ^2/NDF: 8379017.4/70

In: 150.169+/-0.018 χ^2/NDF:9240438.8/56

Out: 149.174+/-0.018 χ^2/NDF:10796676.7/61

All: 149.671+/-0.013 χ^2/NDF: 20038675.8/1


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: -20.793+/-11.528 χ²/NDF: 41.4/36
Left In: 7.785+/-8.974 χ²/NDF:30.6/22
Left: 25.822+/-6.246 χ²/NDF: 73.2/47
Right: -39.040+/-7.914 χ²/NDF: 73.8/70
In: -17.751+/-6.924 χ²/NDF:78.2/56
Out: 19.710+/-6.943 χ²/NDF:95.5/61
All: 0.926+/-4.903 χ²/NDF: 188.4/118



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: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

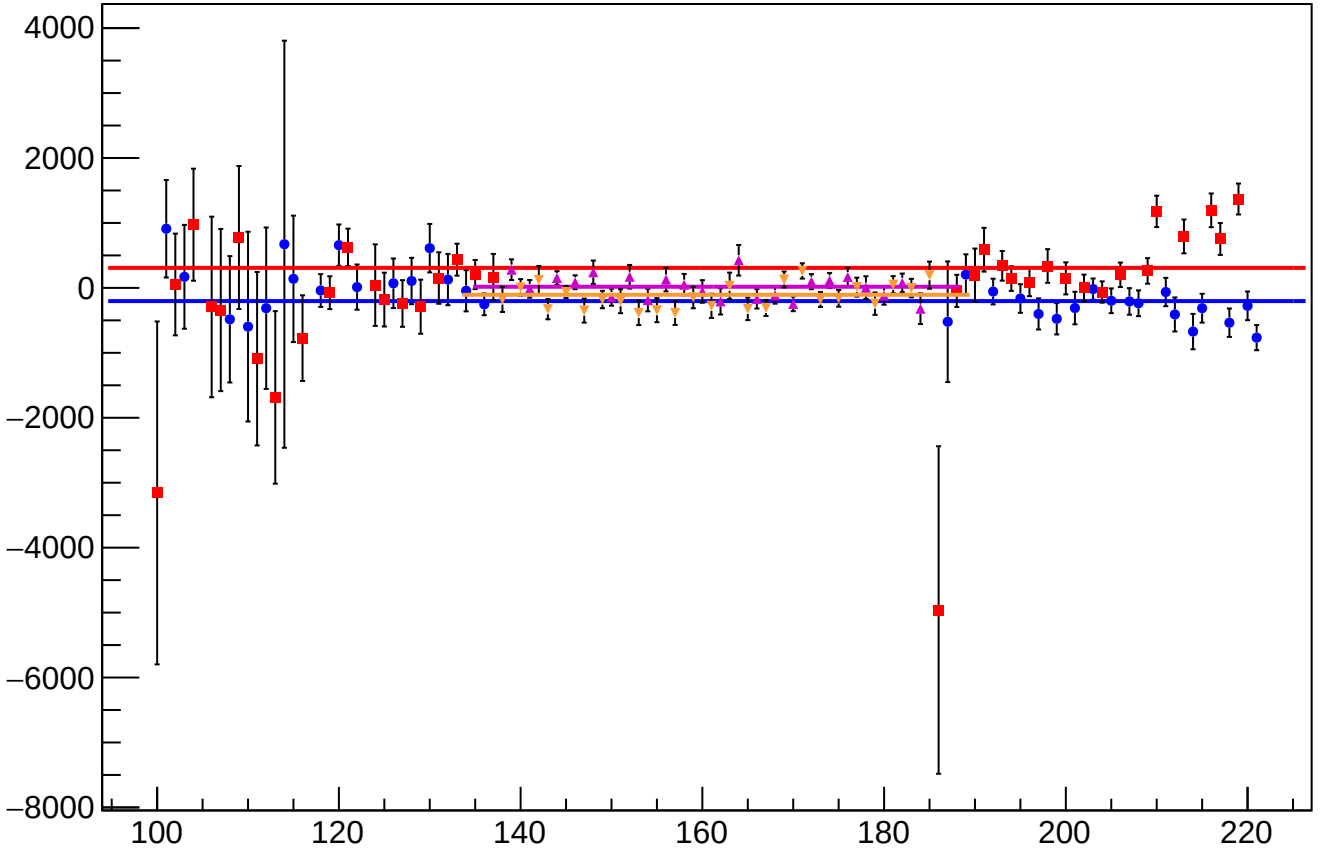
Right: 50.921+/-0.006 χ^2/NDF: 3888697.0/70

In: 42.968+/-0.005 χ^2/NDF:3414391.3/56

Out: 43.024+/-0.005 χ^2/NDF:4671632.7/61

All: 42.996+/-0.003 χ^2/NDF: 8086089.9/118

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 308.255+/-47.945 χ^2/NDF: 87.6/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

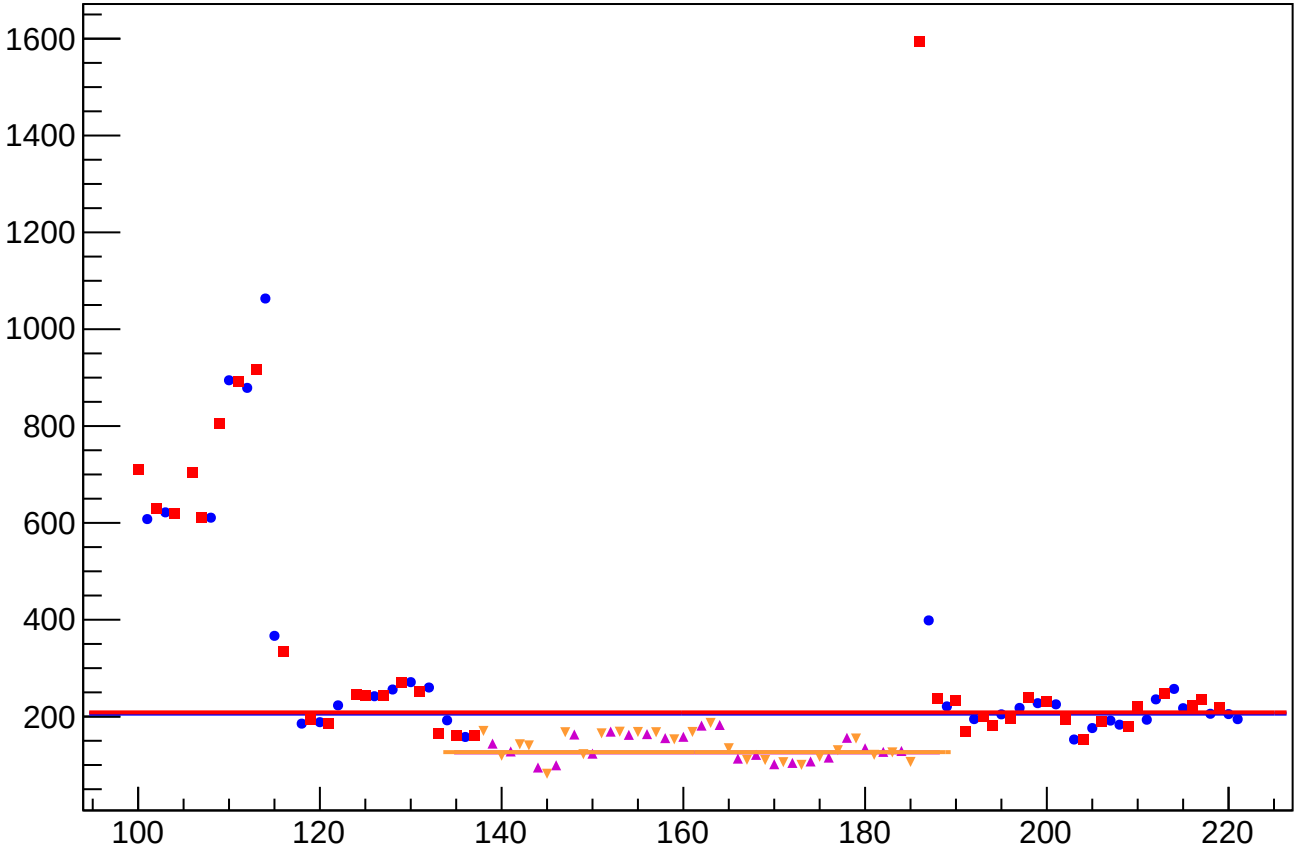
Right: 41.315+/-33.161 χ^2/NDF: 186.0/70

In: -49.178+/-25.223 χ^2/NDF:83.4/56

Out: 7.747+/-25.164 χ^2/NDF:179.5/61

All: -20.649+/-17.814 χ^2/NDF: 265.4/118

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: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

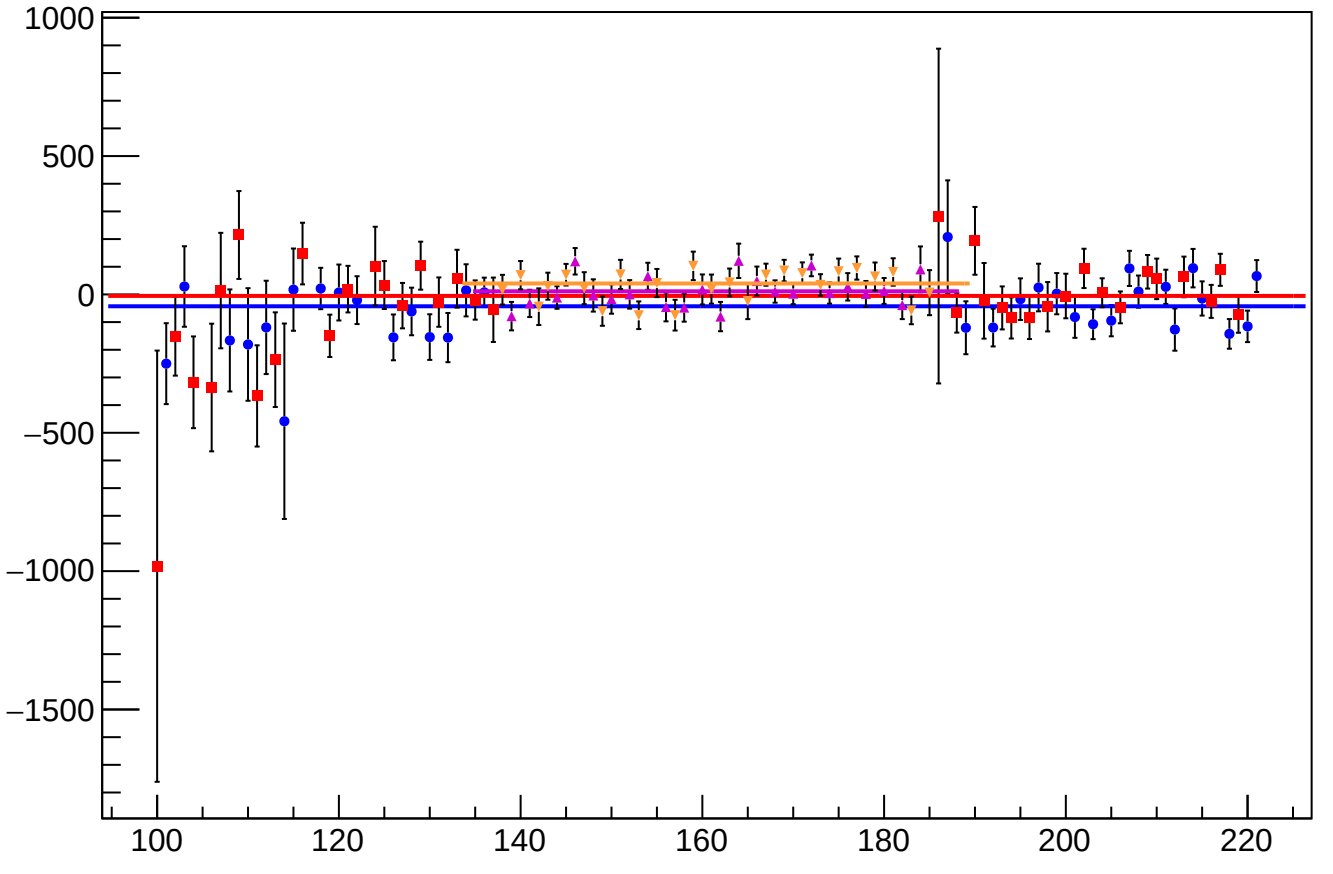
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.300+/-0.023 χ^2/NDF: 8379017.4/70

In: 150.169+/-0.018 χ^2/NDF:9240438.8/56

Out: 149.174+/-0.018 χ^2/NDF:10796676.7/61

All: 149.671+/-0.013 χ^2/NDF: 20038675.8/1



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: -5.369+/-14.138 χ^2/NDF: 40.8/36

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

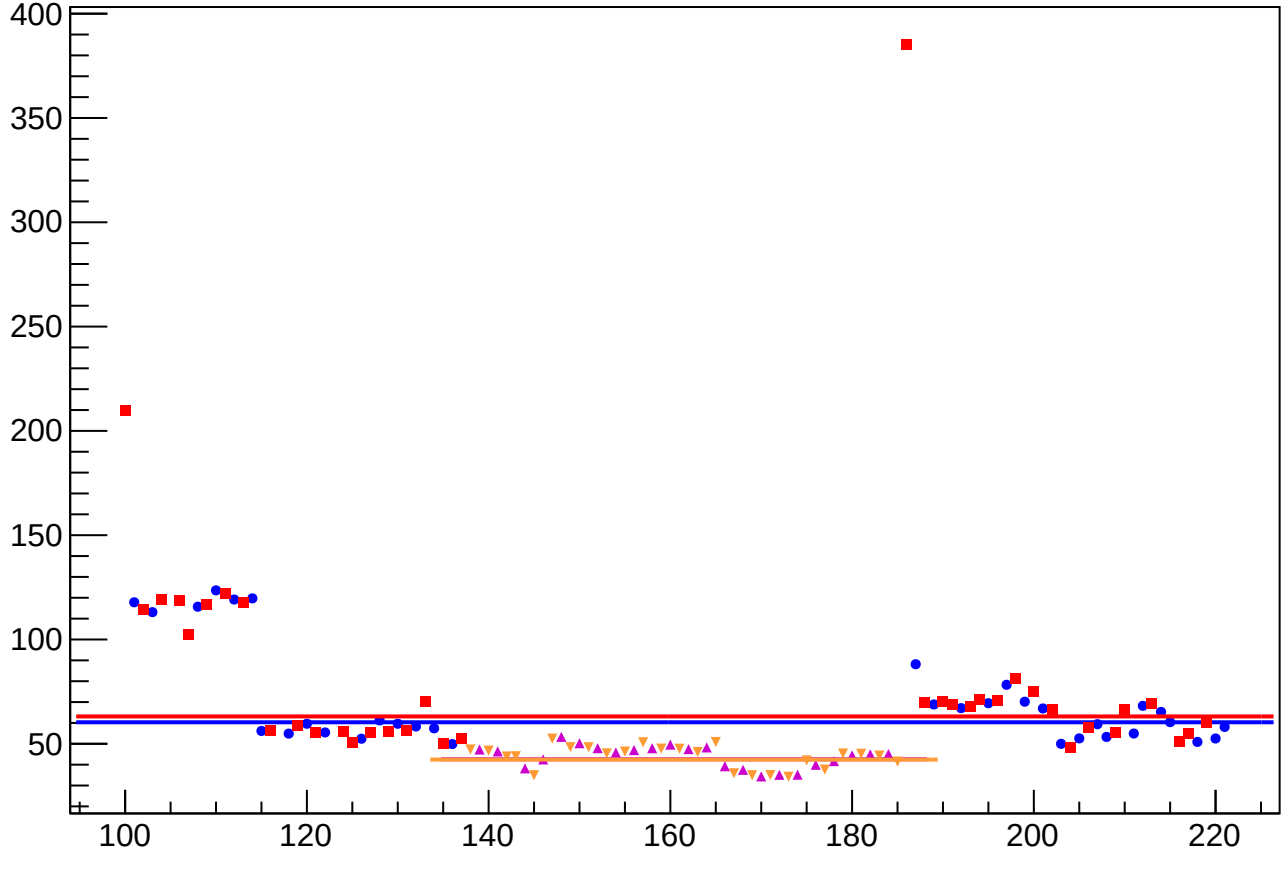
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -25.397+/-9.645 χ^2/NDF: 85.0/70

In: -8.645+/-8.008 χ^2/NDF:79.0/56

Out: 25.091+/-8.024 χ^2/NDF:77.2/61

All: 8.190+/-5.668 χ^2/NDF: 165.1/118



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: 63.115+/-0.010 χ^2/NDF: 2726101.8/36

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

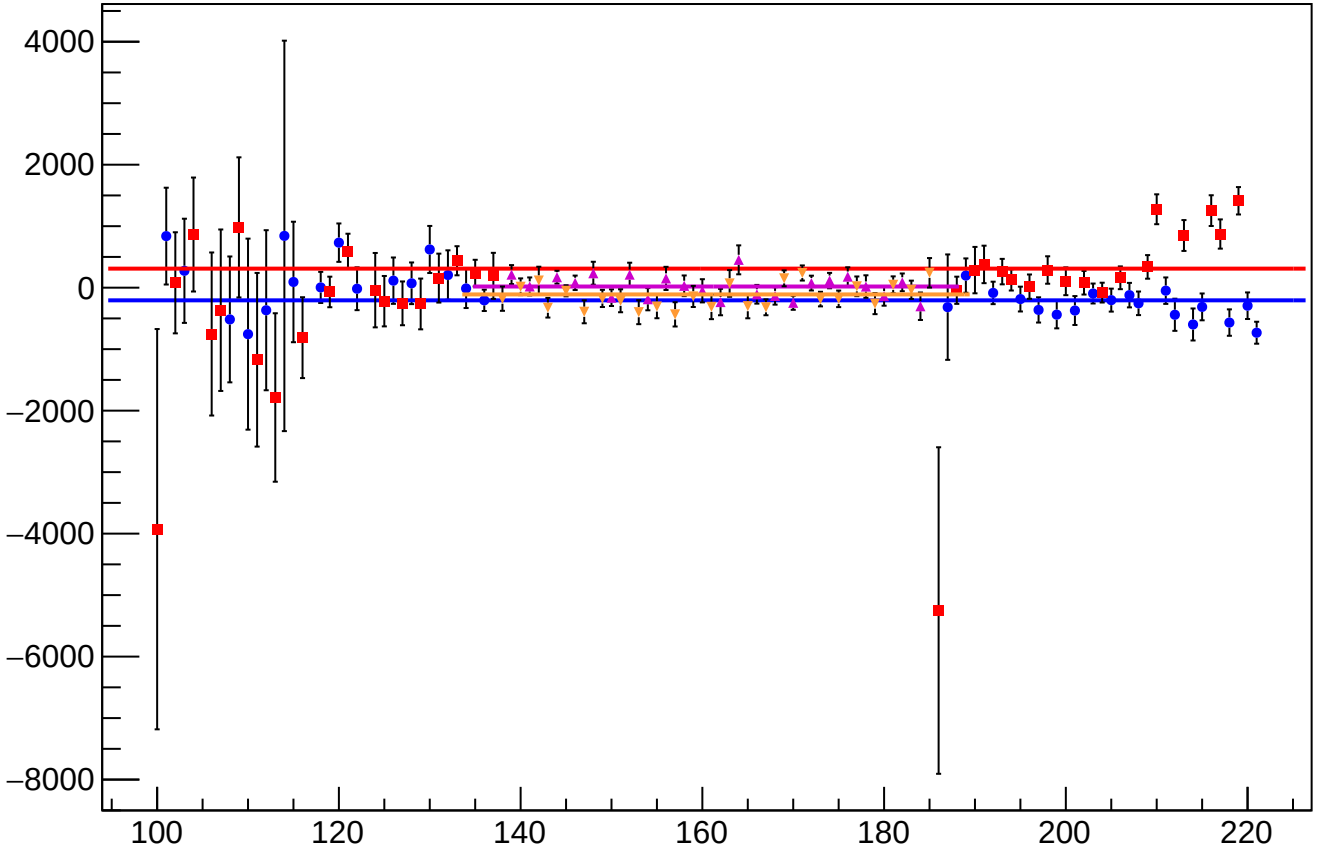
Right: 61.619+/-0.007 χ^2/NDF: 4660960.4/70

In: 49.115+/-0.006 χ^2/NDF:4766271.9/56

Out: 49.090+/-0.006 χ^2/NDF:6328384.6/61

All: 49.103+/-0.004 χ^2/NDF: 11094666.4/118

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: 309.666+/-45.608 χ^2/NDF: 104.1/36

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

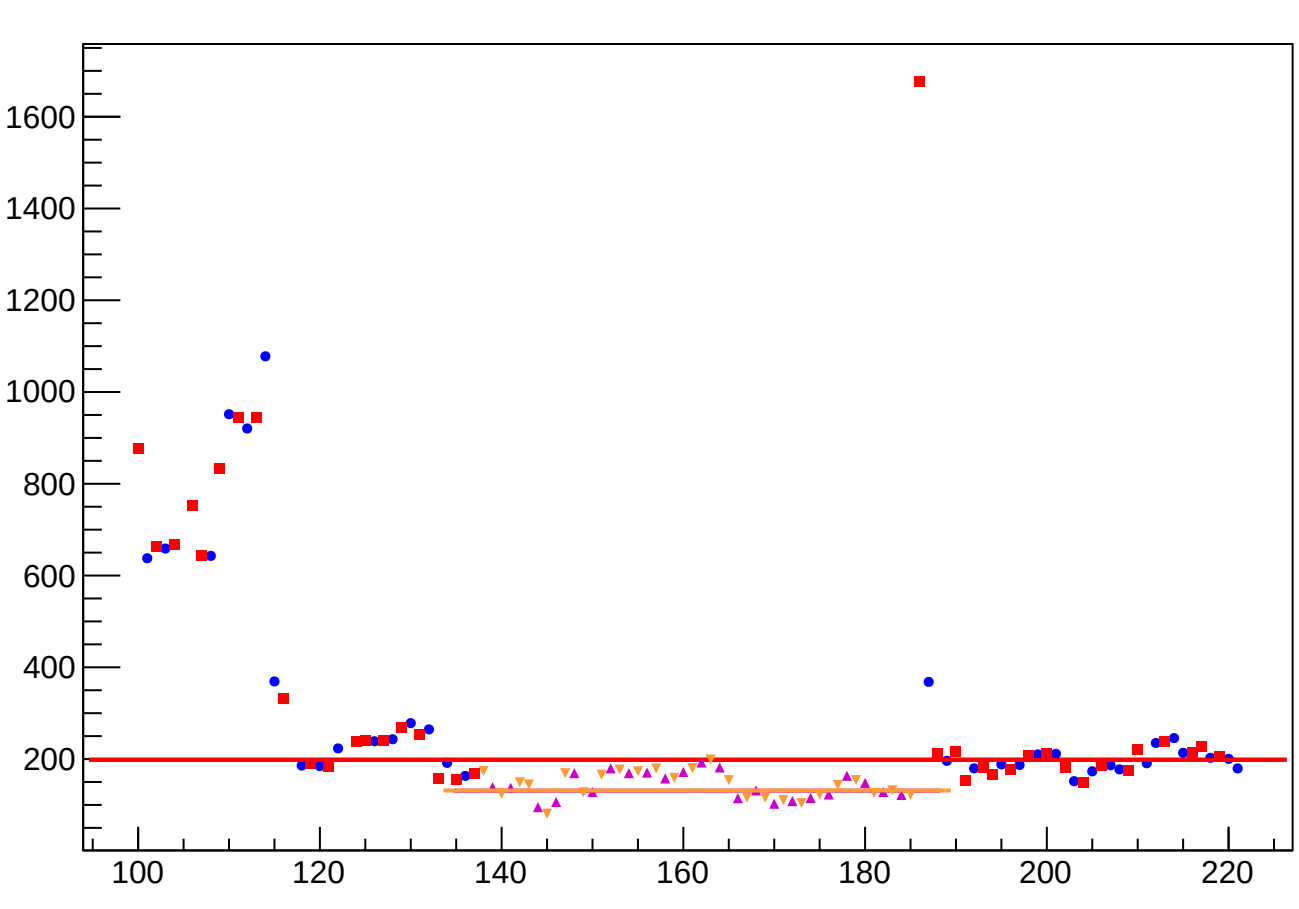
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 44.615+/-31.796 χ^2/NDF: 210.8/70

In: -56.485+/-25.669 χ^2/NDF:85.3/56

Out: 21.293+/-25.501 χ^2/NDF:198.5/61

All: -17.341+/-18.091 χ^2/NDF: 288.4/118



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: 198.048+/-0.032 χ^2/NDF: 5114840.3/36

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

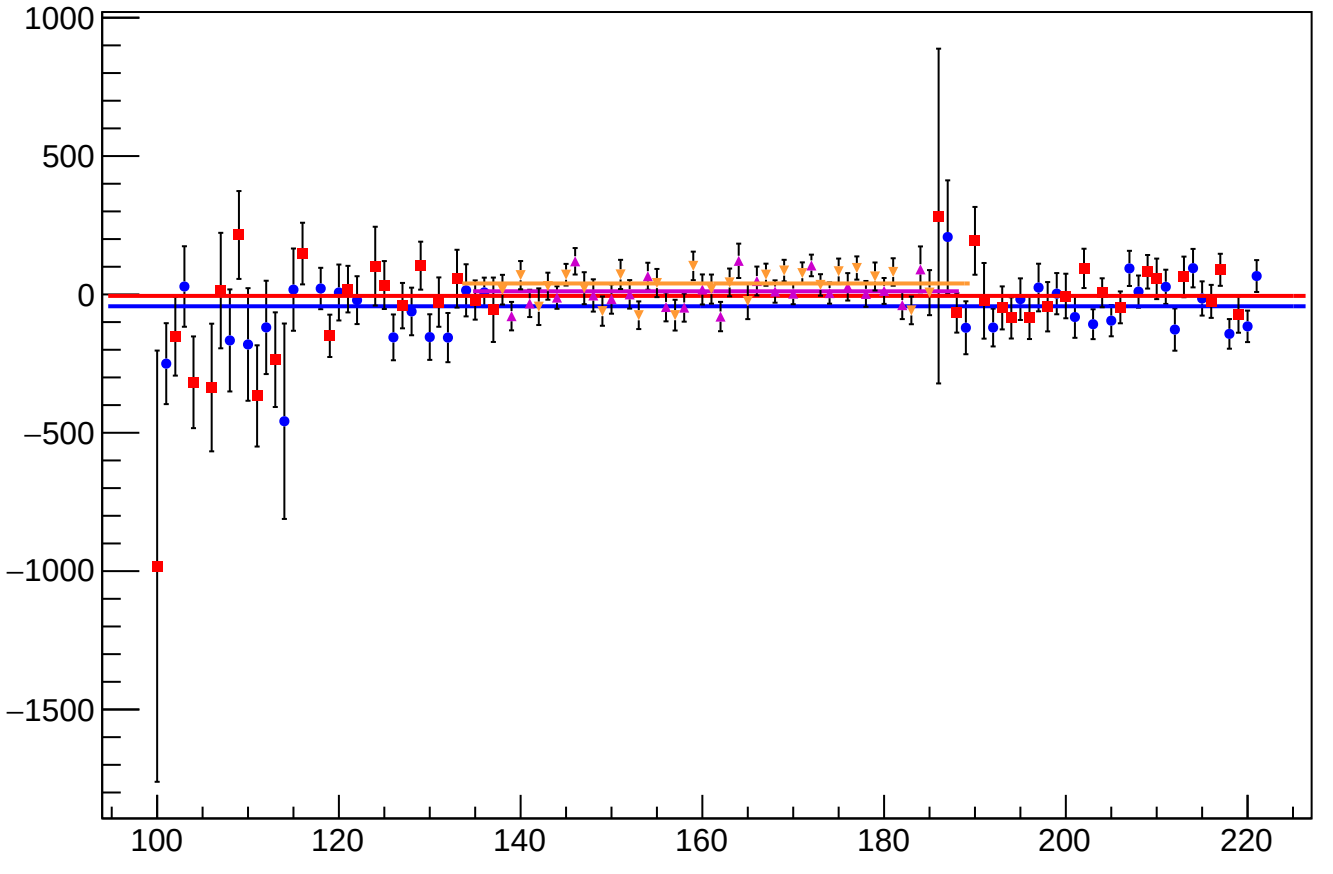
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 198.457+/-0.022 χ^2/NDF: 8802014.5/70

In: 153.775+/-0.018 χ^2/NDF:8260176.4/56

Out: 152.316+/-0.018 χ^2/NDF:9943395.2/61

All: 153.041+/-0.013 χ^2/NDF: 18206823.6/11



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: -5.370+/-14.138 χ^2/NDF: 40.8/36

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

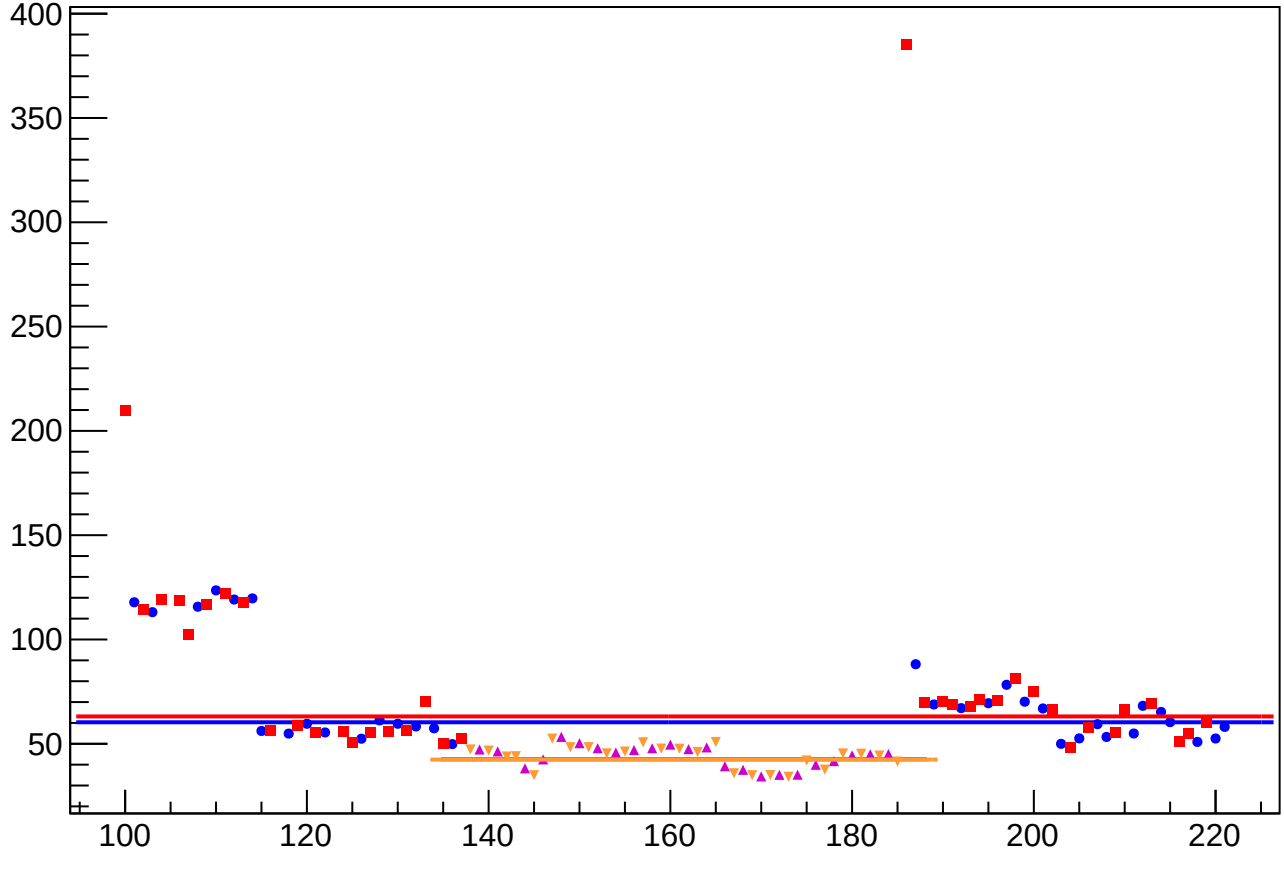
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -25.398+/-9.645 χ^2/NDF: 85.0/70

In: -8.645+/-8.008 χ^2/NDF:79.0/56

Out: 25.091+/-8.024 χ^2/NDF:77.2/61

All: 8.190+/-5.668 χ^2/NDF: 165.1/118



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: 63.116+/-0.010 χ^2/NDF: 2726073.6/36

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

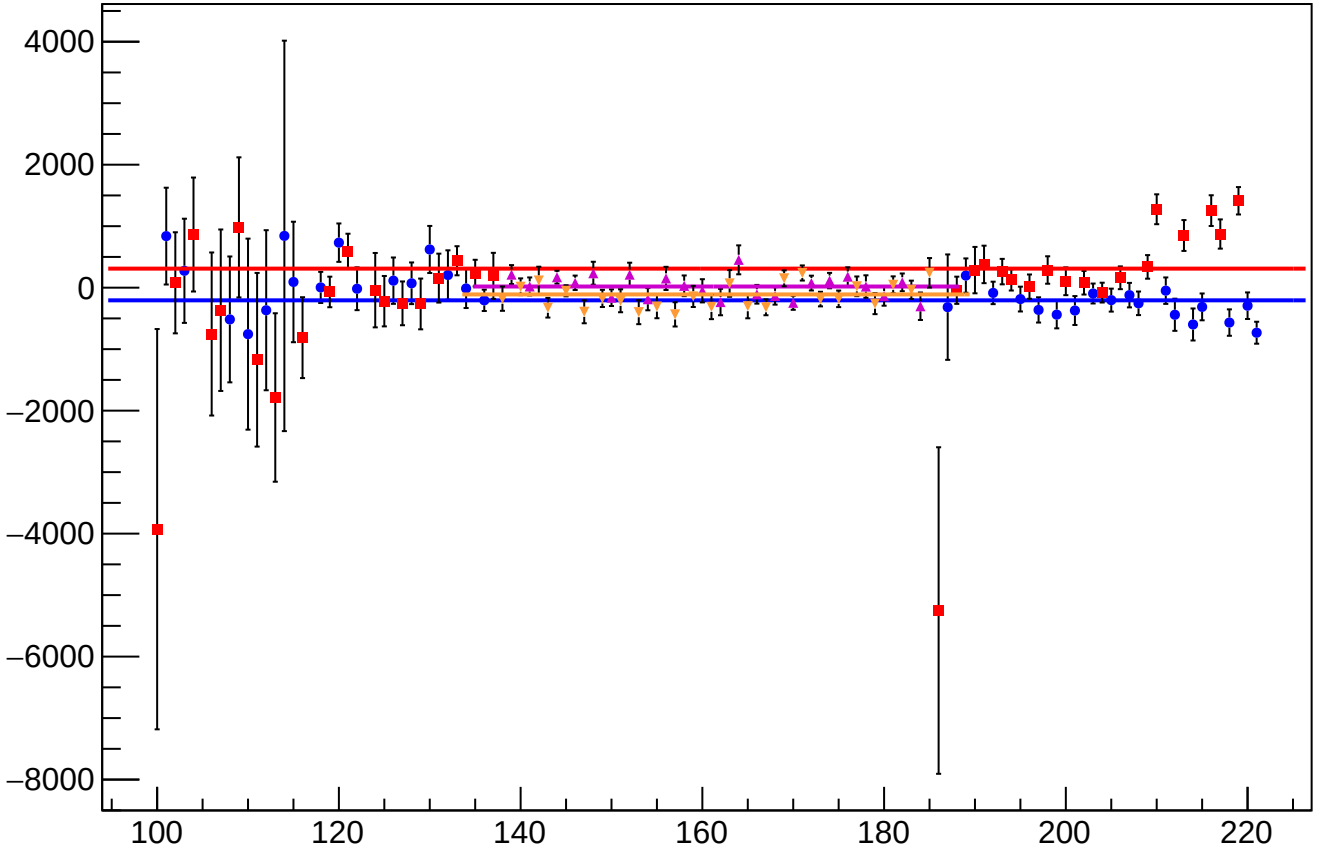
Right: 61.619+/-0.007 χ^2/NDF: 4660956.4/70

In: 49.115+/-0.006 χ^2/NDF:4766243.5/56

Out: 49.090+/-0.006 χ^2/NDF:6328424.2/61

All: 49.103+/-0.004 χ^2/NDF: 11094677.6/118

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: 309.663+/-45.608 χ^2/NDF: 104.1/36

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

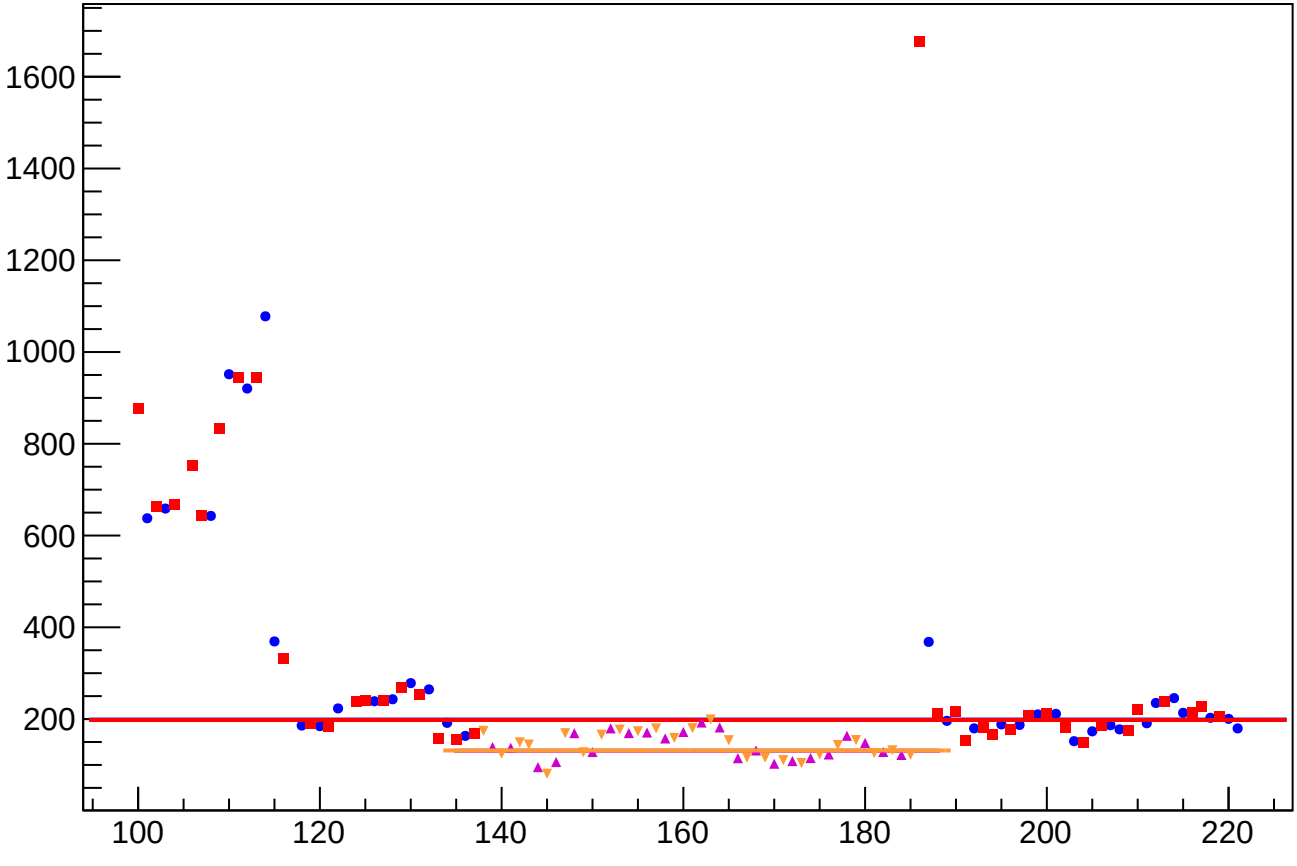
Right: 44.614+/-31.796 χ^2/NDF: 210.8/70

In: -56.486+/-25.669 χ^2/NDF:85.3/56

Out: 21.293+/-25.501 χ^2/NDF:198.5/61

All: -17.341+/-18.091 χ^2/NDF: 288.4/118

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: 198.048+/-0.032 χ^2/NDF: 5114850.2/36

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

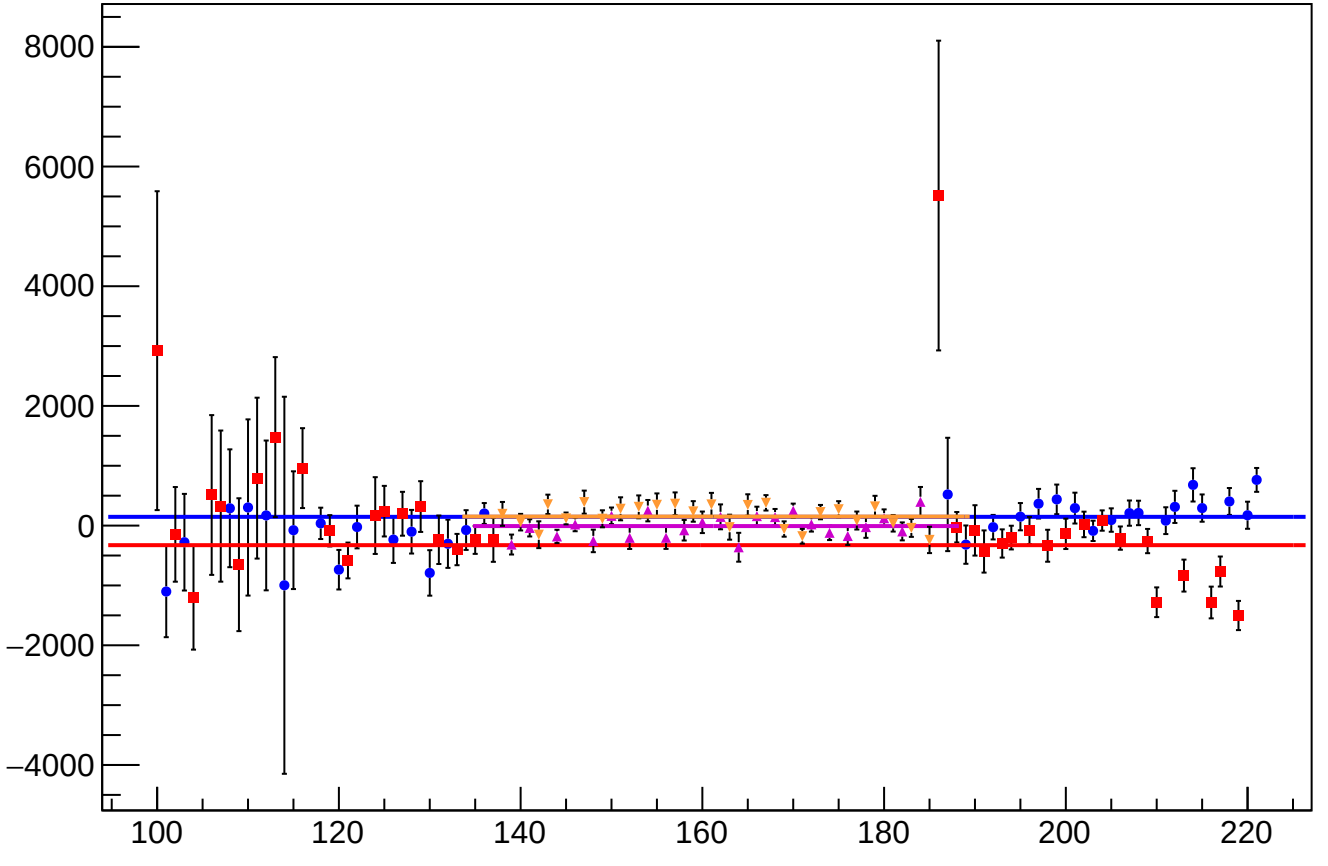
Right: 198.456+/-0.022 χ^2/NDF: 8802023.6/70

In: 153.775+/-0.018 χ^2/NDF:8260129.4/56

Out: 152.316+/-0.018 χ^2/NDF:9943335.6/61

All: 153.041+/-0.013 χ^2/NDF: 18206716.9/11

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: -326.903+/-49.503 χ^2/NDF: 94.0/36

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

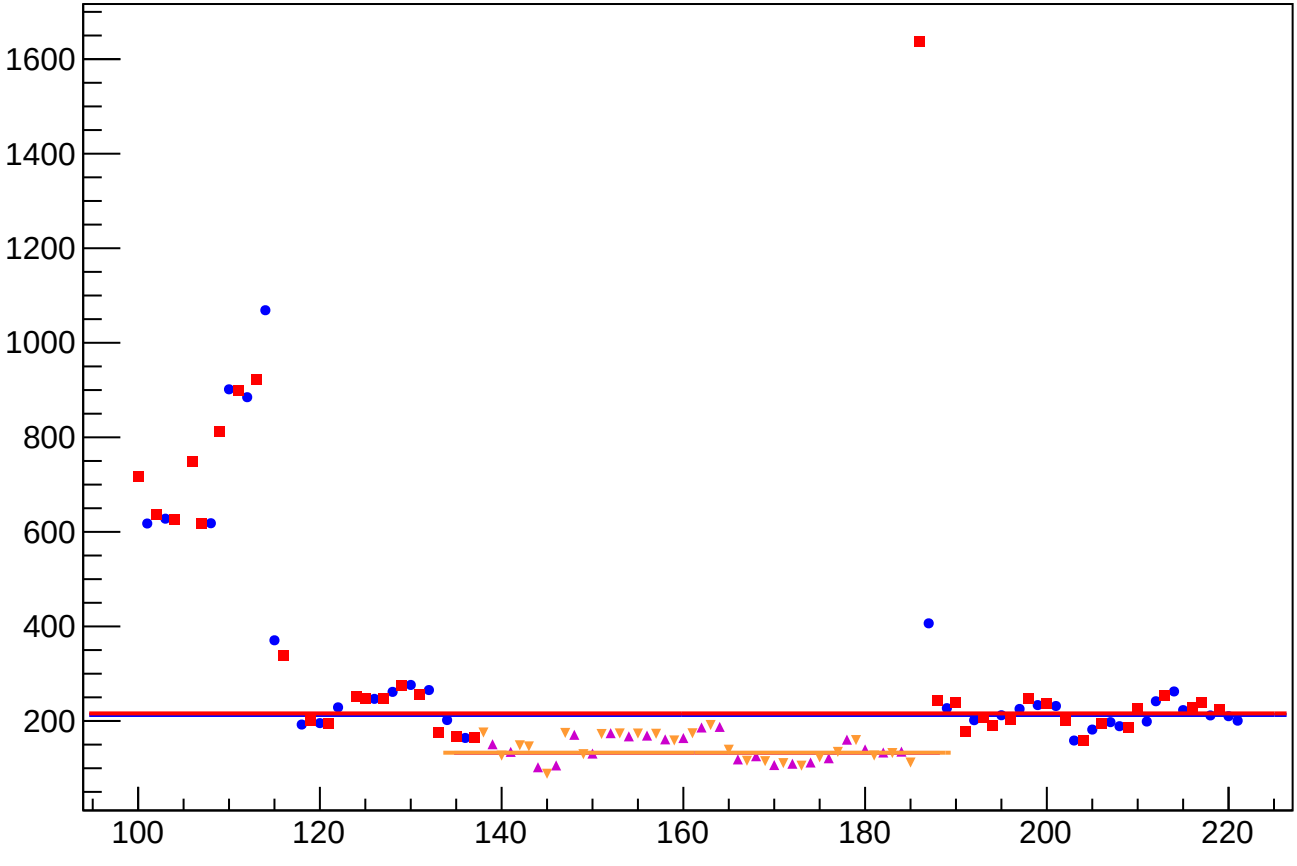
Right: -79.622+/-34.207 χ^2/NDF: 184.9/70

In: 39.688+/-26.292 χ^2/NDF:79.9/56

Out: 16.757+/-26.244 χ^2/NDF:194.1/61

All: 28.202+/-18.574 χ^2/NDF: 274.4/118

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: 216.012+/-0.035 χ^2/NDF: 4725457.2/36

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

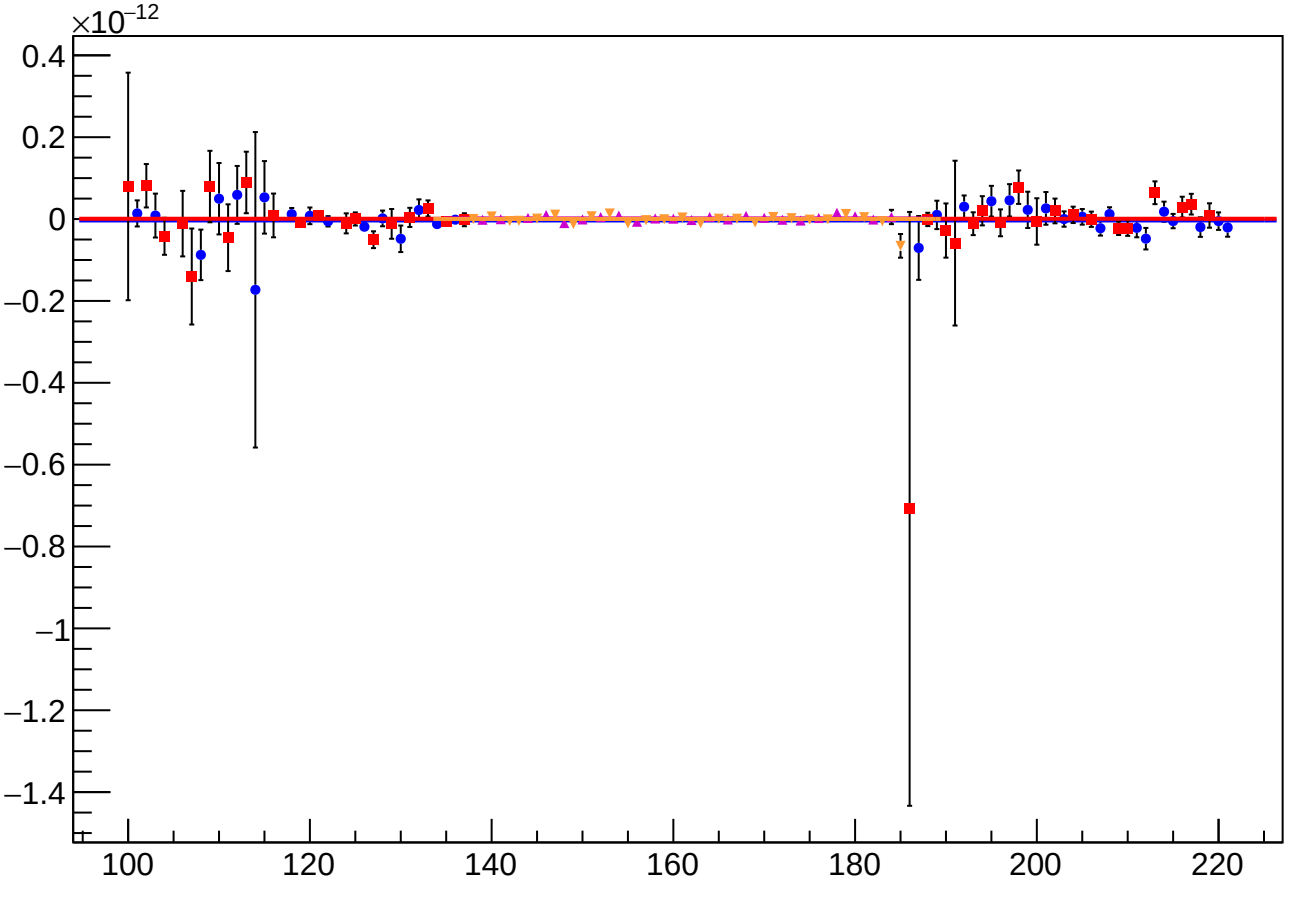
Right: 214.284+/-0.024 χ^2/NDF: 8217083.1/70

In: 157.148+/-0.019 χ^2/NDF:8752078.1/56

Out: 156.242+/-0.019 χ^2/NDF:10373279.8/61

All: 156.694+/-0.013 χ^2/NDF: 19126545.9/1

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: 36.2/36

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

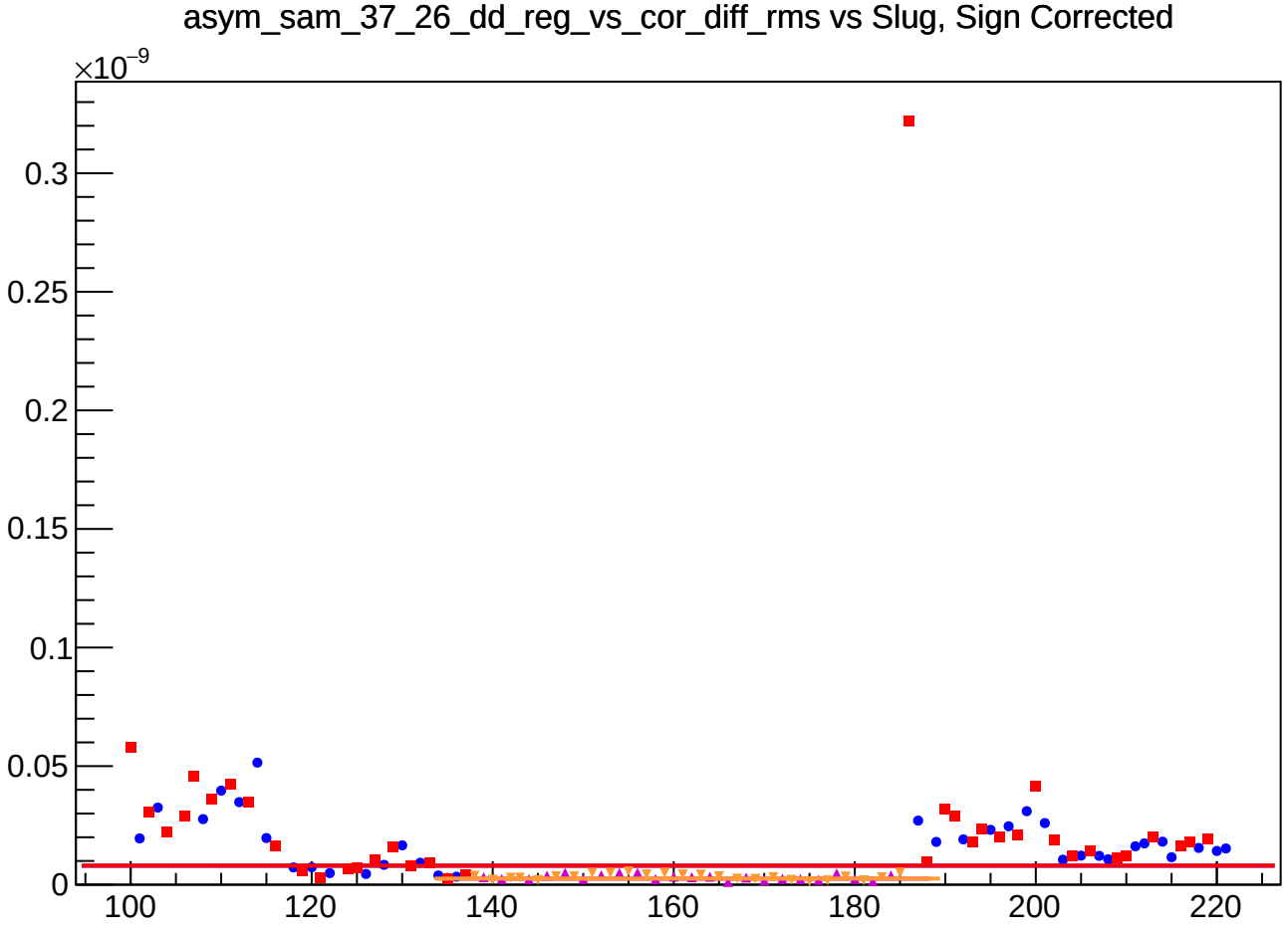
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 62.4/70

In: 0.000+/-0.000 χ^2/NDF:42.4/56

Out: 0.000+/-0.000 χ^2/NDF:68.4/61

All: 0.000+/-0.000 χ^2/NDF: 111.0/118



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: 8783939.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

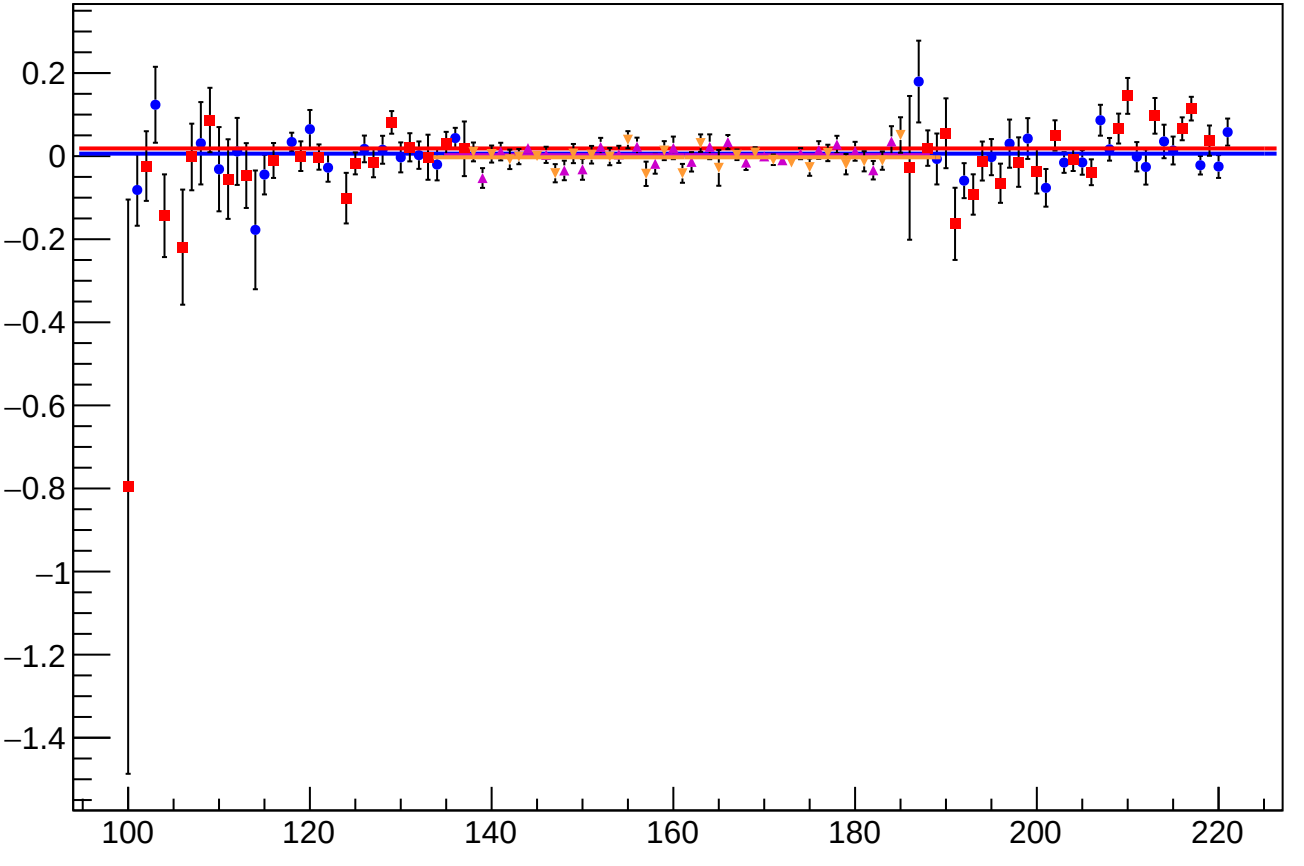
Right: 0.000+/-0.000 χ^2/NDF: 16640681.0/70

In: 0.000+/-0.000 χ^2/NDF:15022896.1/56

Out: 0.000+/-0.000 χ^2/NDF:15866718.5/61

All: 0.000+/-0.000 χ^2/NDF: 30892437.6/118

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: 0.018+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

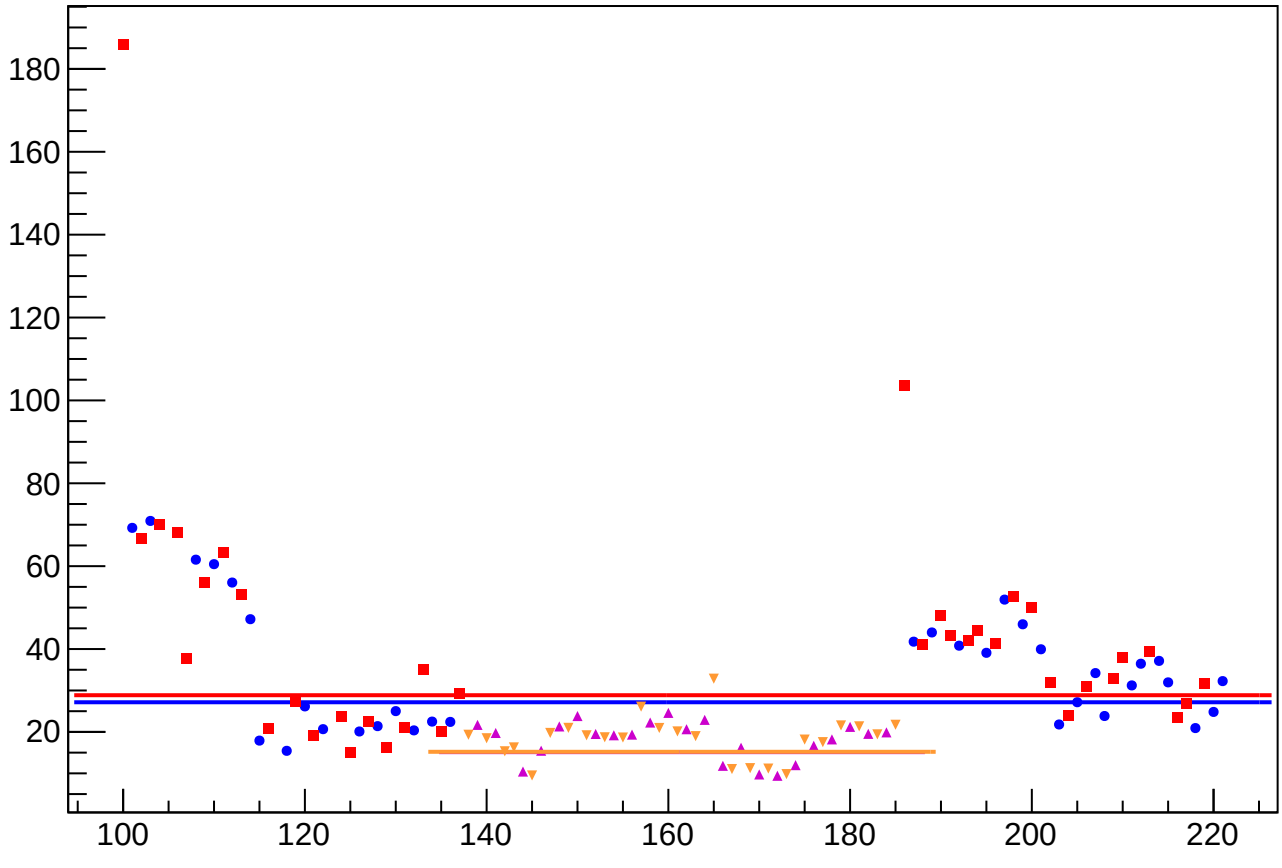
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.012+/-0.005 χ^2/NDF: 108.0/70

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.003+/-0.002 χ^2/NDF: 163.5/118



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: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

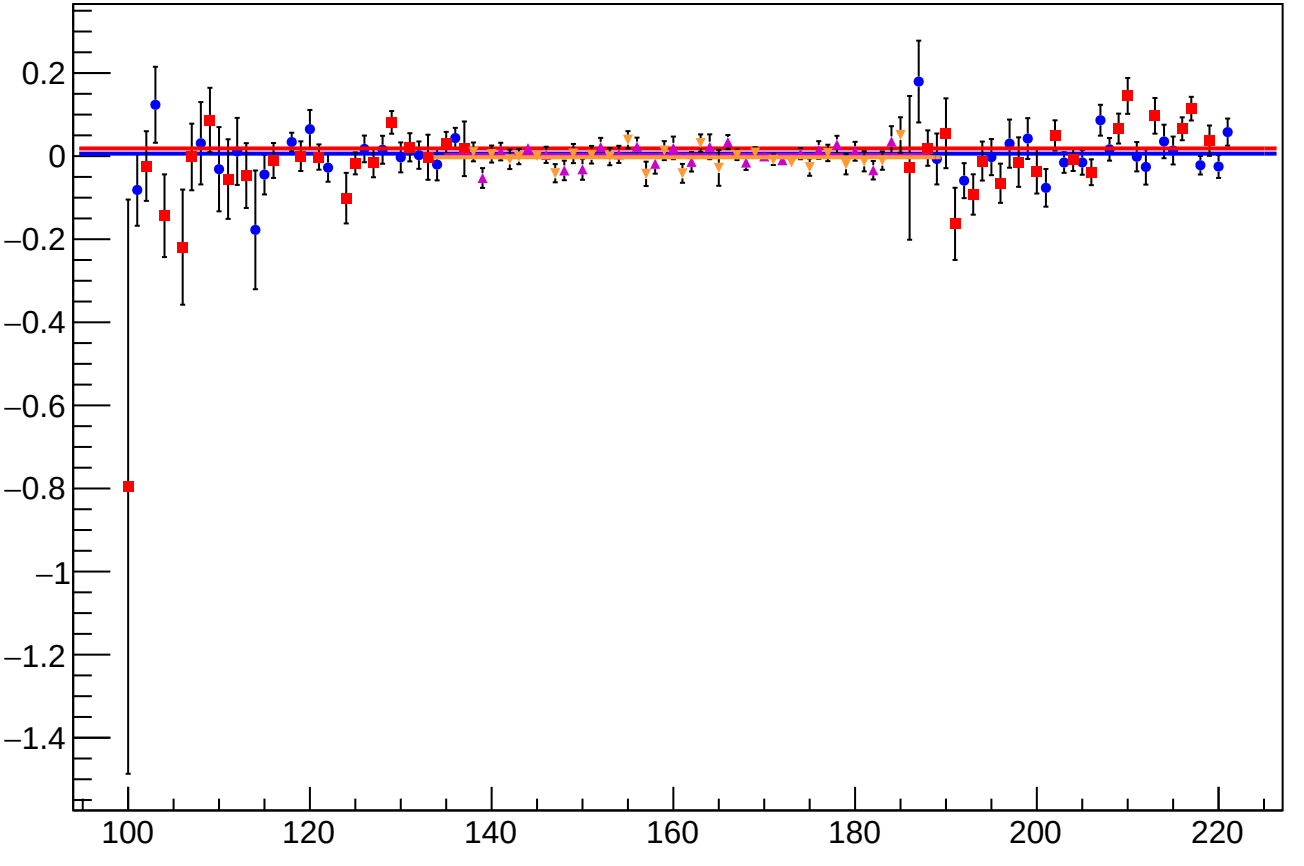
Right: 27.934+/-0.003 χ^2/NDF: 10534312.6/70

In: 18.335+/-0.002 χ^2/NDF:13511196.4/56

Out: 18.260+/-0.002 χ^2/NDF:15181731.5/61

All: 18.297+/-0.002 χ^2/NDF: 28693464.3/118

asym_sam_37_26_dd_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: 0.018+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

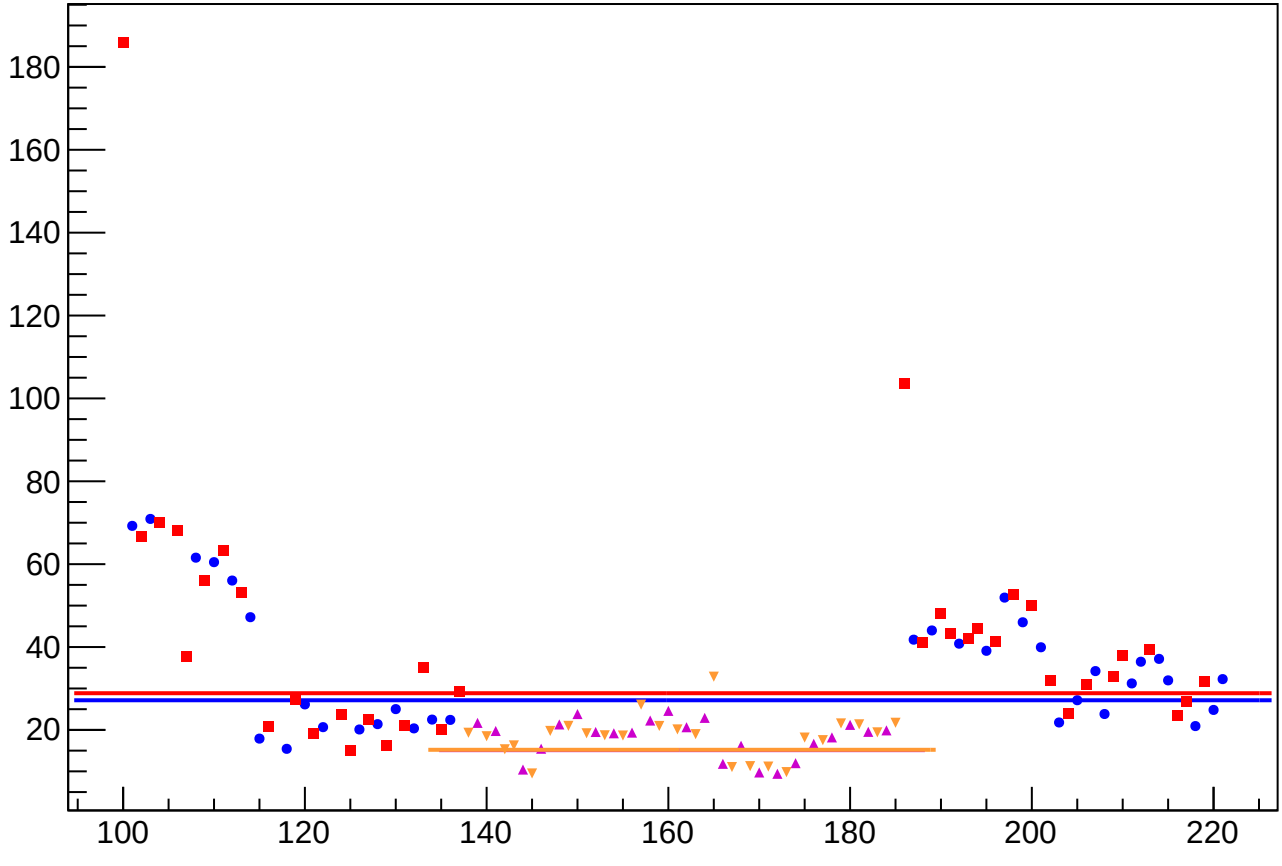
Right: 0.012+/-0.005 χ^2/NDF: 108.0/70

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.003+/-0.002 χ^2/NDF: 163.5/118

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

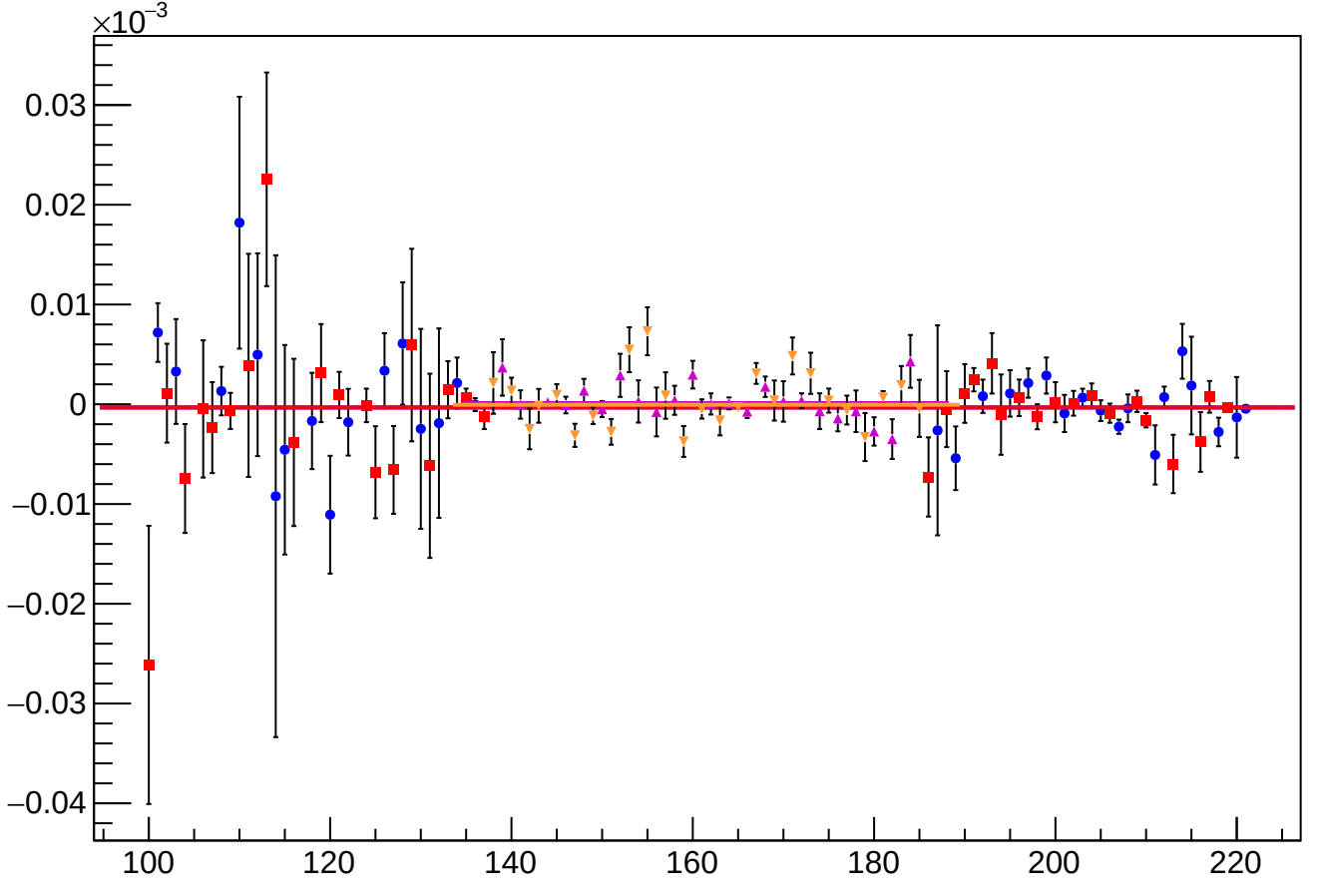
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.934+/-0.003 χ^2/NDF: 10534312.6/70

In: 18.335+/-0.002 χ^2/NDF:13511196.4/56

Out: 18.260+/-0.002 χ^2/NDF:15181731.5/61

All: 18.297+/-0.002 χ^2/NDF: 28693464.3/118



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: 40.5/36

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

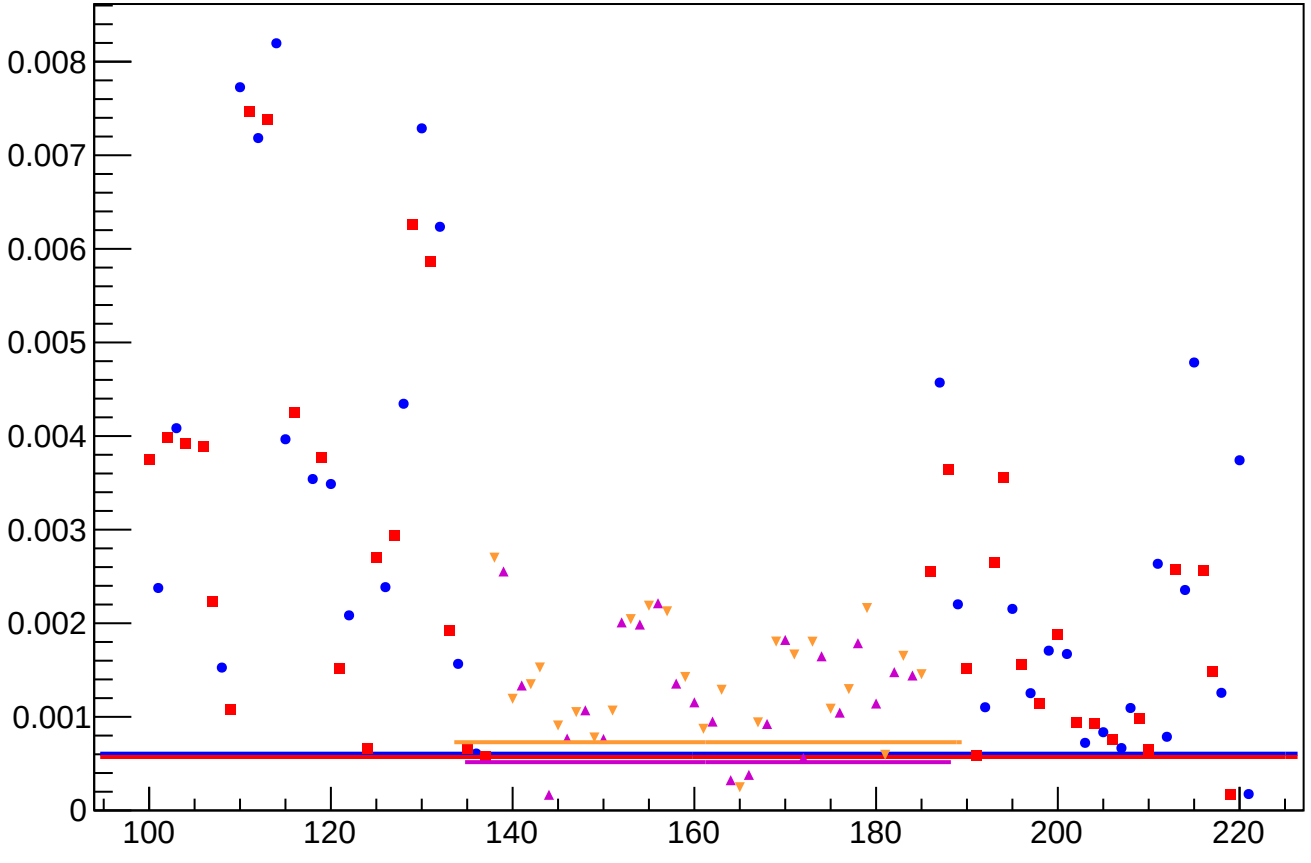
Right: -0.000+/-0.000 χ^2/NDF: 86.7/70

In: -0.000+/-0.000 χ^2/NDF:74.3/56

Out: -0.000+/-0.000 χ^2/NDF:104.2/61

All: -0.000+/-0.000 χ^2/NDF: 179.0/118

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 22249909.8/36

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

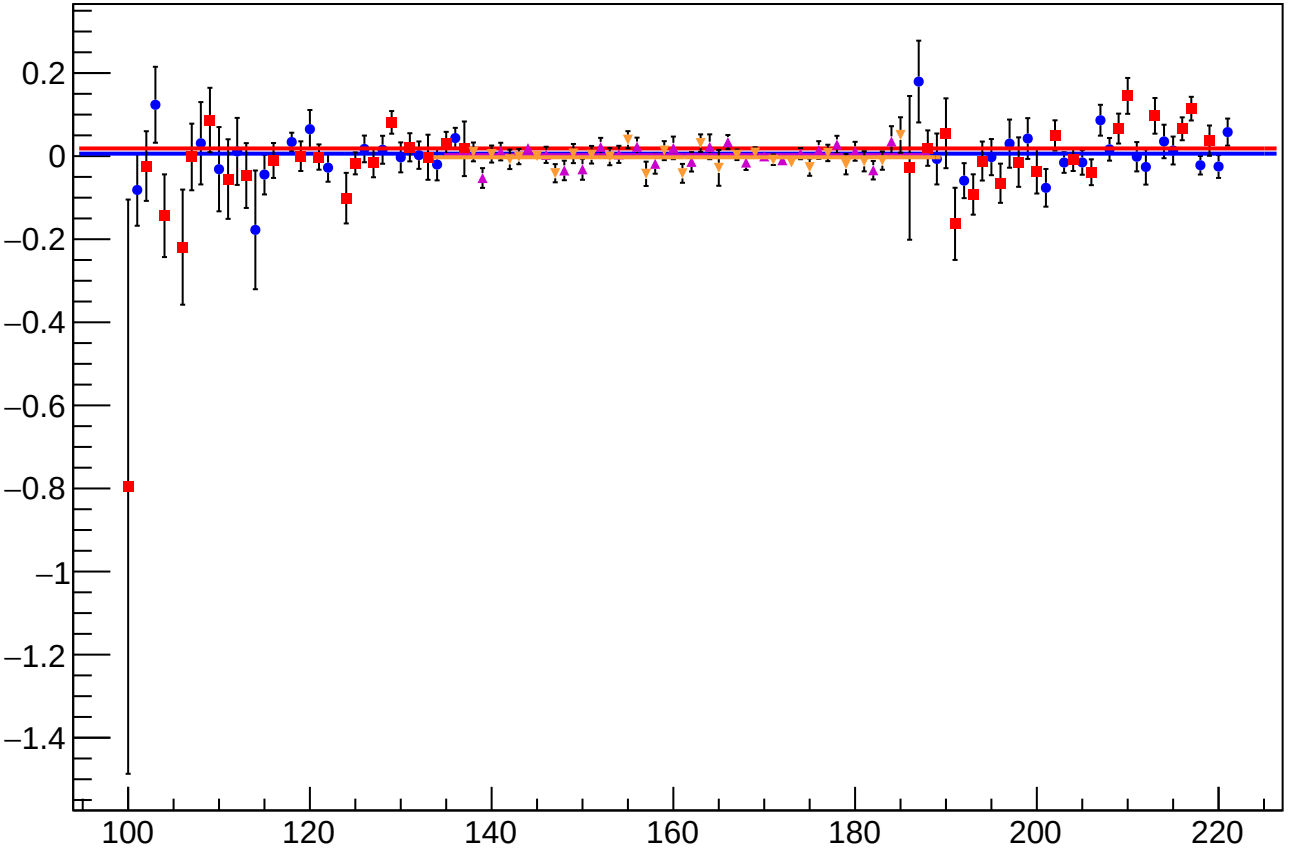
Right: 0.001+/-0.000 χ^2/NDF: 44015807.7/70

In: 0.001+/-0.000 χ^2/NDF:36984536.1/56

Out: 0.001+/-0.000 χ^2/NDF:35970821.6/61

All: 0.001+/-0.000 χ^2/NDF: 73404559.4/118

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: 0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

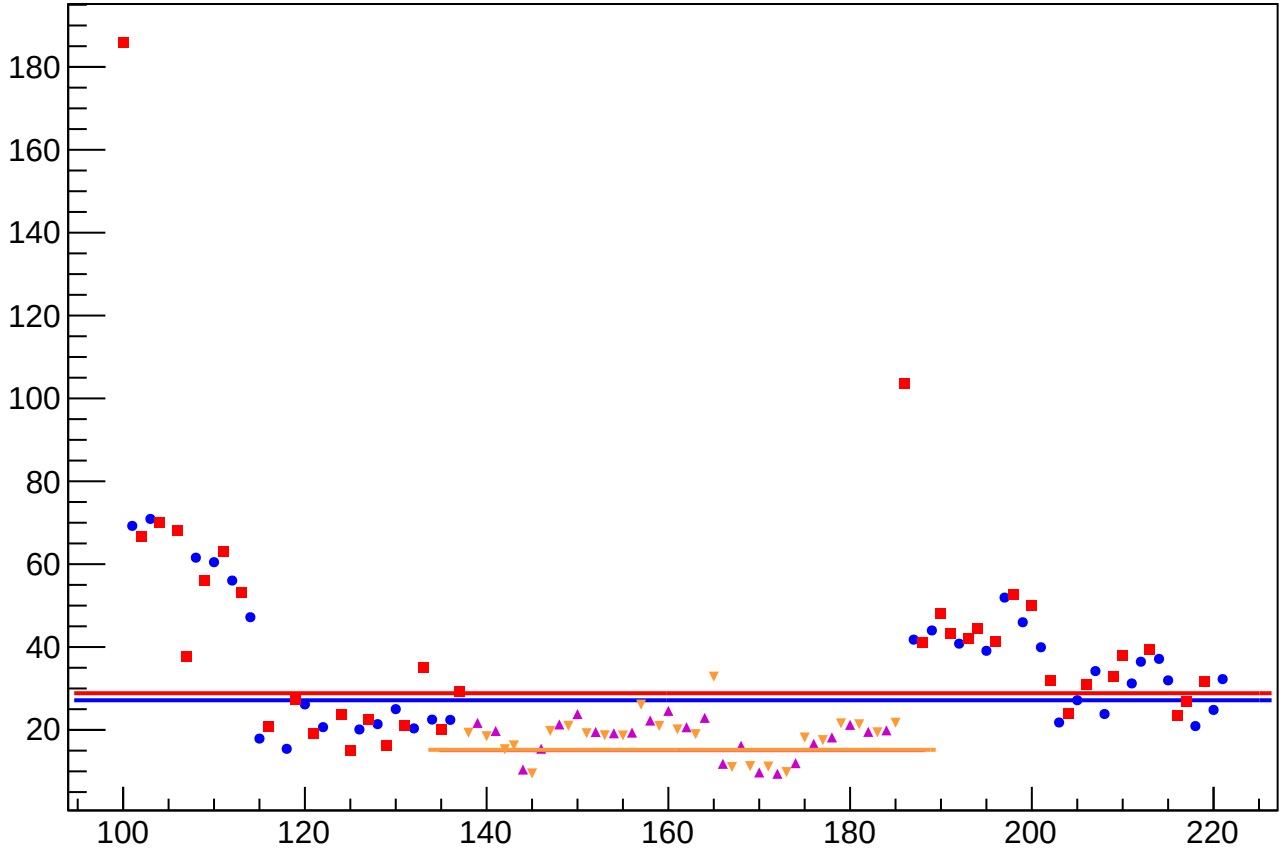
Right: 0.012+/-0.005 χ^2/NDF: 108.0/70

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.003+/-0.002 χ^2/NDF: 163.5/118

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: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

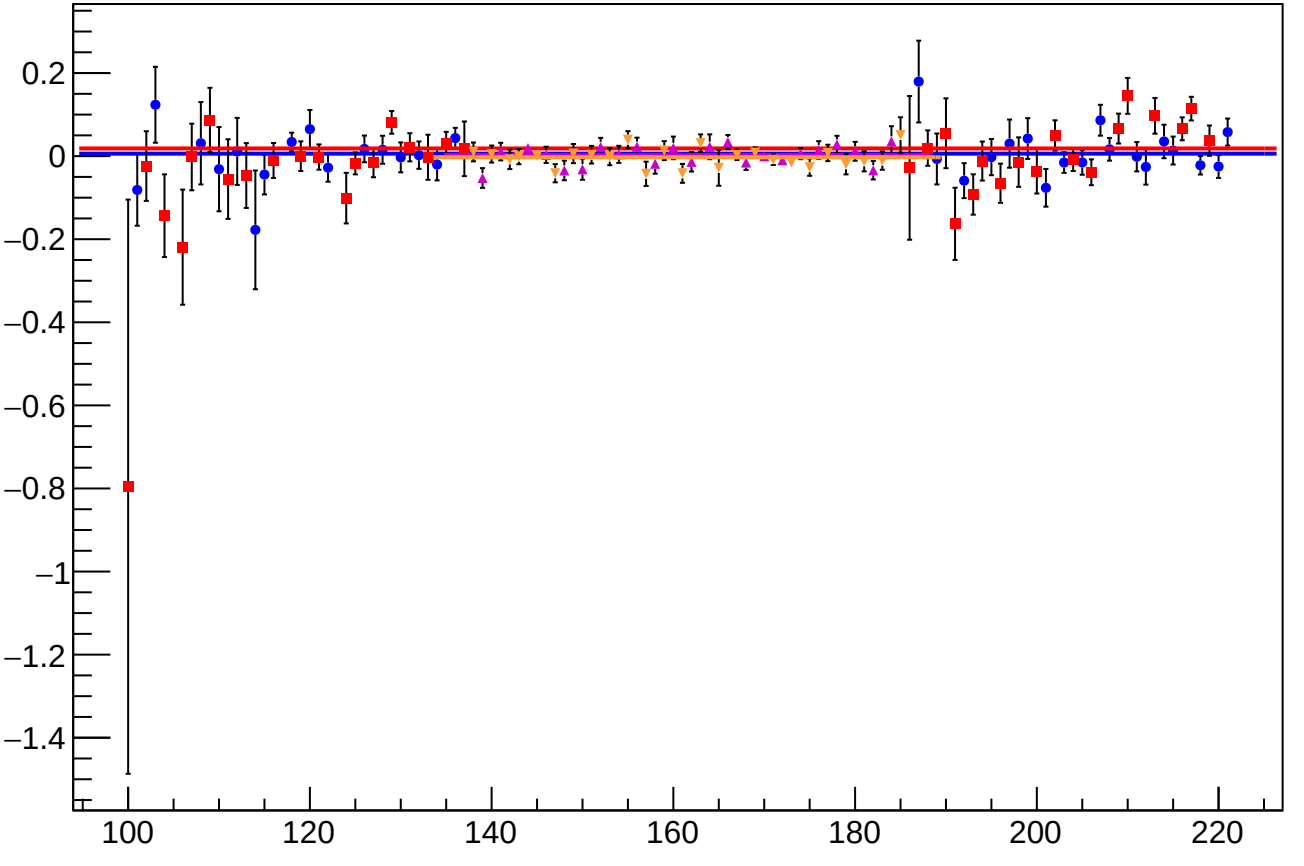
Right: 27.933+/-0.003 χ^2/NDF: 10534932.9/70

In: 18.335+/-0.002 χ^2/NDF:13511026.1/56

Out: 18.260+/-0.002 χ^2/NDF:15181816.0/61

All: 18.297+/-0.002 χ^2/NDF: 28693378.0/118

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: 0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

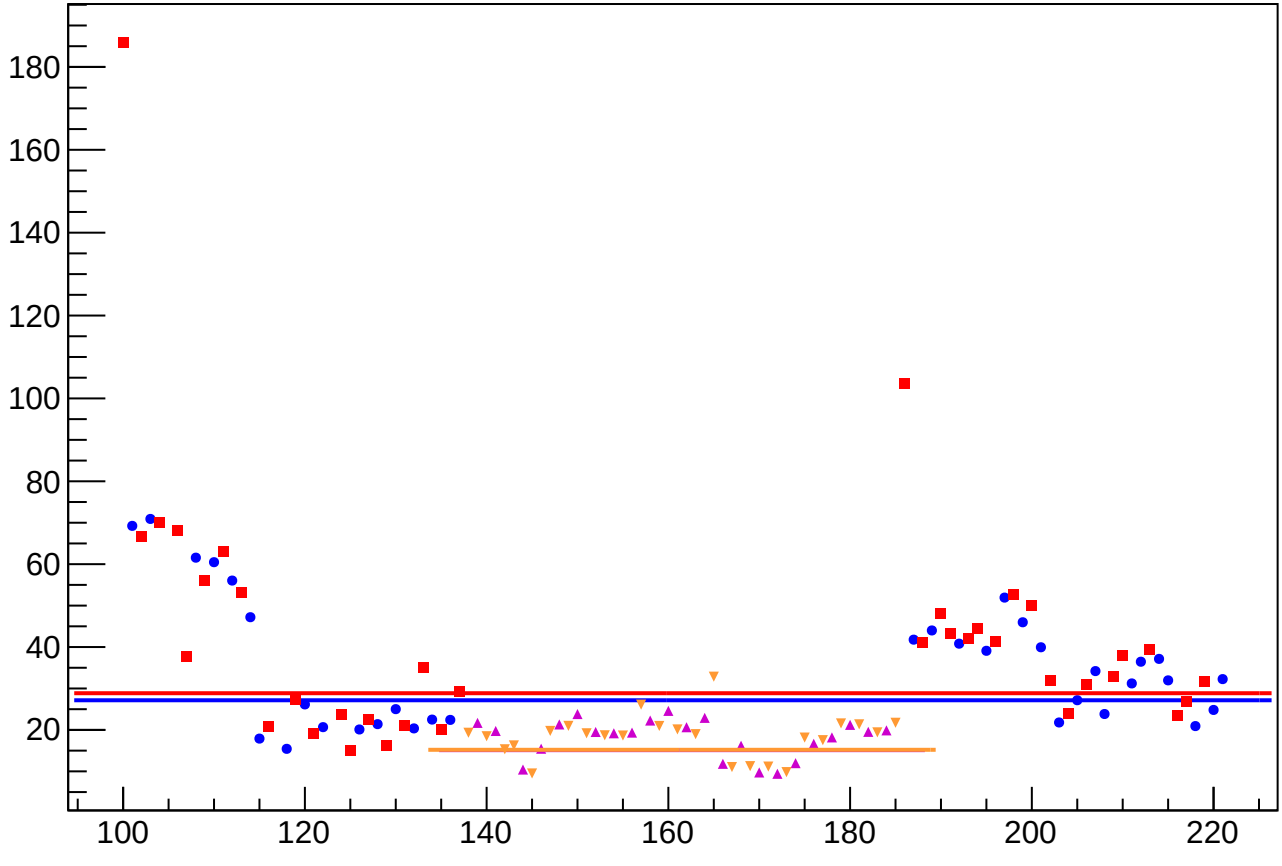
Right: 0.012+/-0.005 χ^2/NDF: 108.0/70

In: 0.003+/-0.003 χ^2/NDF:62.3/56

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.003+/-0.002 χ^2/NDF: 163.5/118

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: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

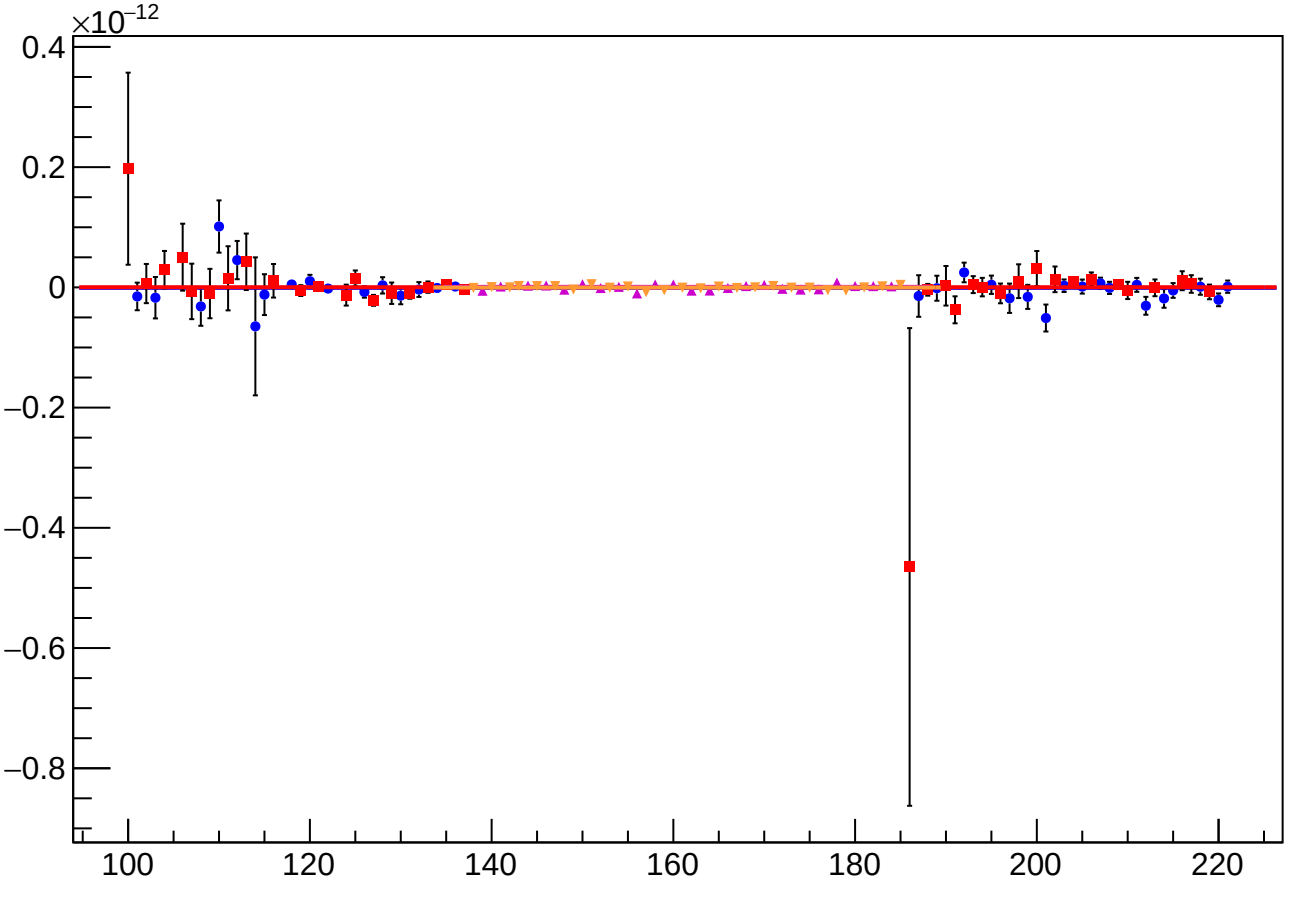
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.933+/-0.003 χ^2/NDF: 10534932.9/70

In: 18.335+/-0.002 χ^2/NDF:13511026.1/56

Out: 18.260+/-0.002 χ^2/NDF:15181816.0/61

All: 18.297+/-0.002 χ^2/NDF: 28693378.0/118



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: 27.5/36

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

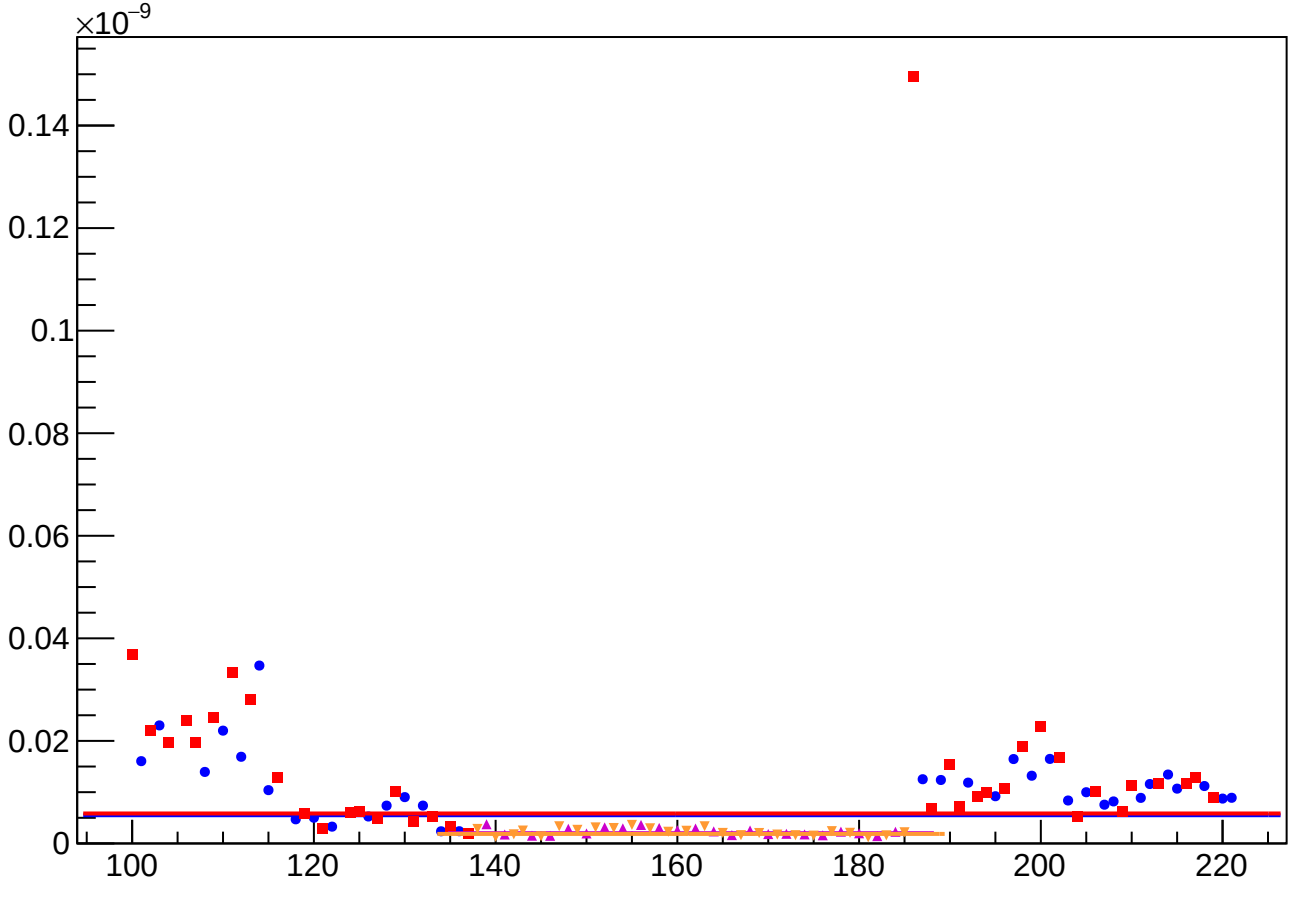
Right: -0.000+/-0.000 χ^2/NDF: 59.7/70

In: 0.000+/-0.000 χ^2/NDF:72.3/56

Out: -0.000+/-0.000 χ^2/NDF:49.0/61

All: 0.000+/-0.000 χ^2/NDF: 122.6/118

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 9806368.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

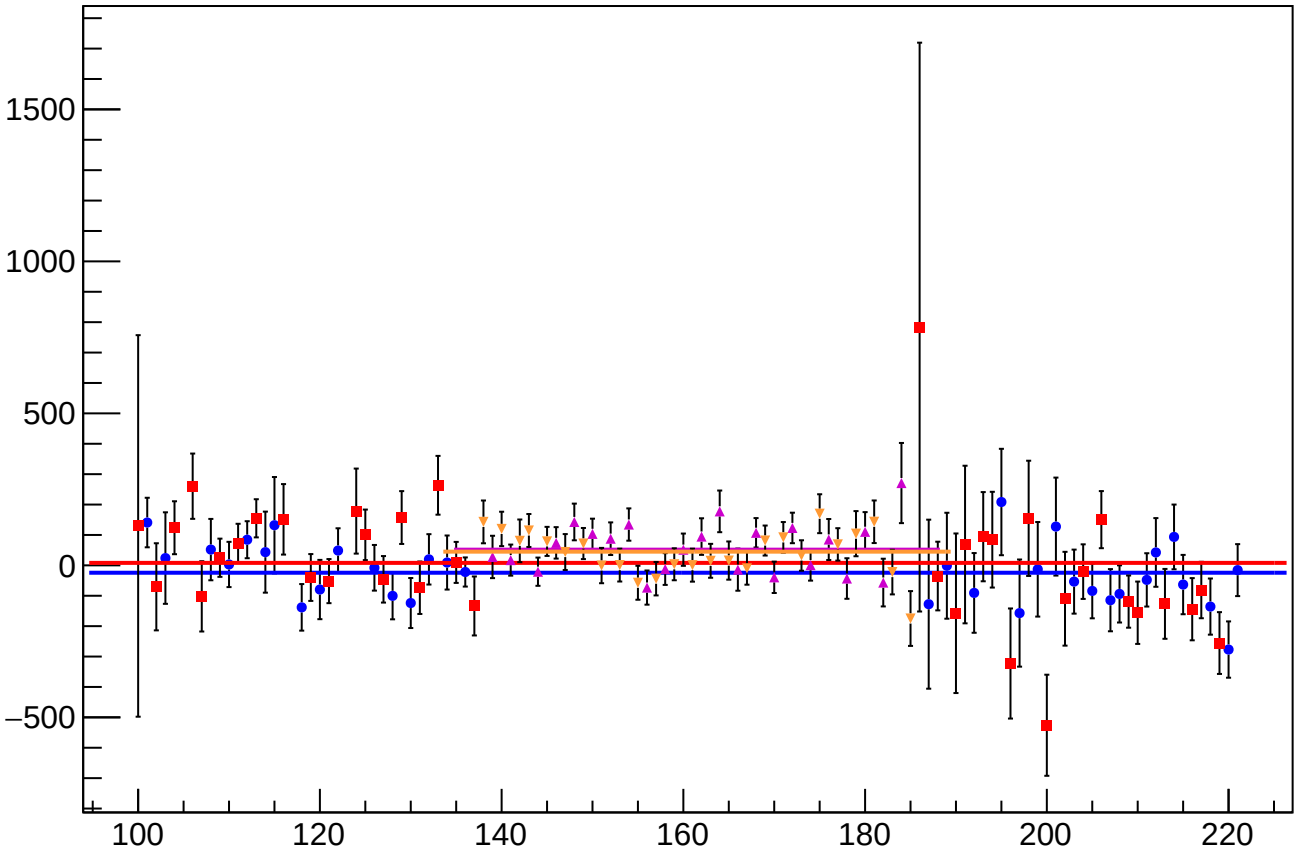
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 19832433.0/70

In: 0.000+/-0.000 χ^2/NDF:19396635.6/56

Out: 0.000+/-0.000 χ^2/NDF:20617942.3/61

All: 0.000+/-0.000 χ^2/NDF: 40170647.4/118



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: 8.145+/-16.261 χ^2/NDF: 69.0/36

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

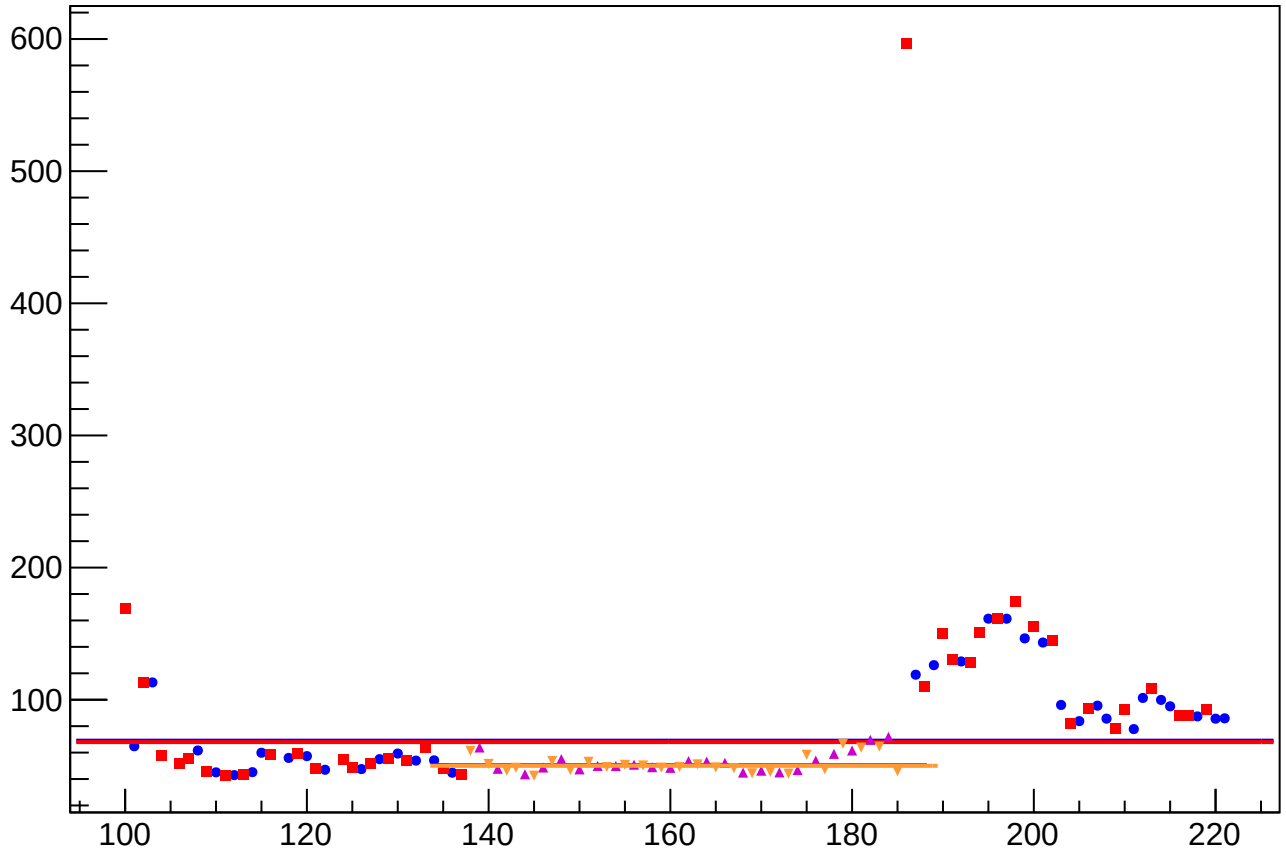
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: -8.408+/-11.377 χ^2/NDF: 103.0/70

In: 24.332+/-9.547 χ^2/NDF:82.4/56

Out: 32.782+/-9.386 χ^2/NDF:103.8/61

All: 28.629+/-6.693 χ^2/NDF: 186.5/118



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: 67.942+/-0.011 χ^2/NDF: 7251310.3/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

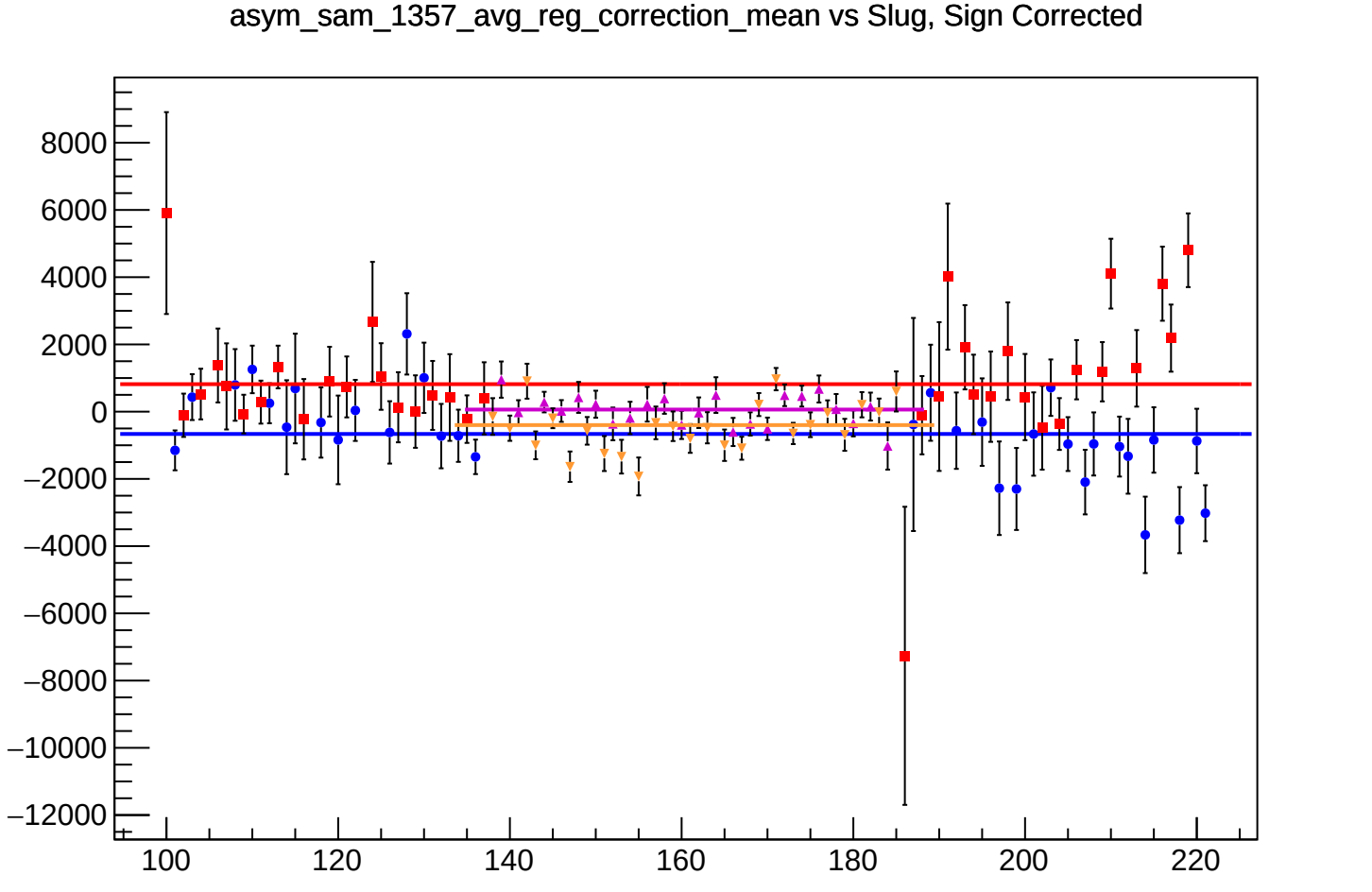
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 68.496+/-0.008 χ^2/NDF: 13068093.5/70

In: 57.168+/-0.007 χ^2/NDF:8047637.9/56

Out: 55.992+/-0.007 χ^2/NDF:9380300.8/61

All: 56.570+/-0.005 χ^2/NDF: 17443354.7/118



Right In: -664.158+/-157.985 χ^2/NDF: 58.2/33

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 817.532+/-163.292 χ^2/NDF: 58.6/36

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

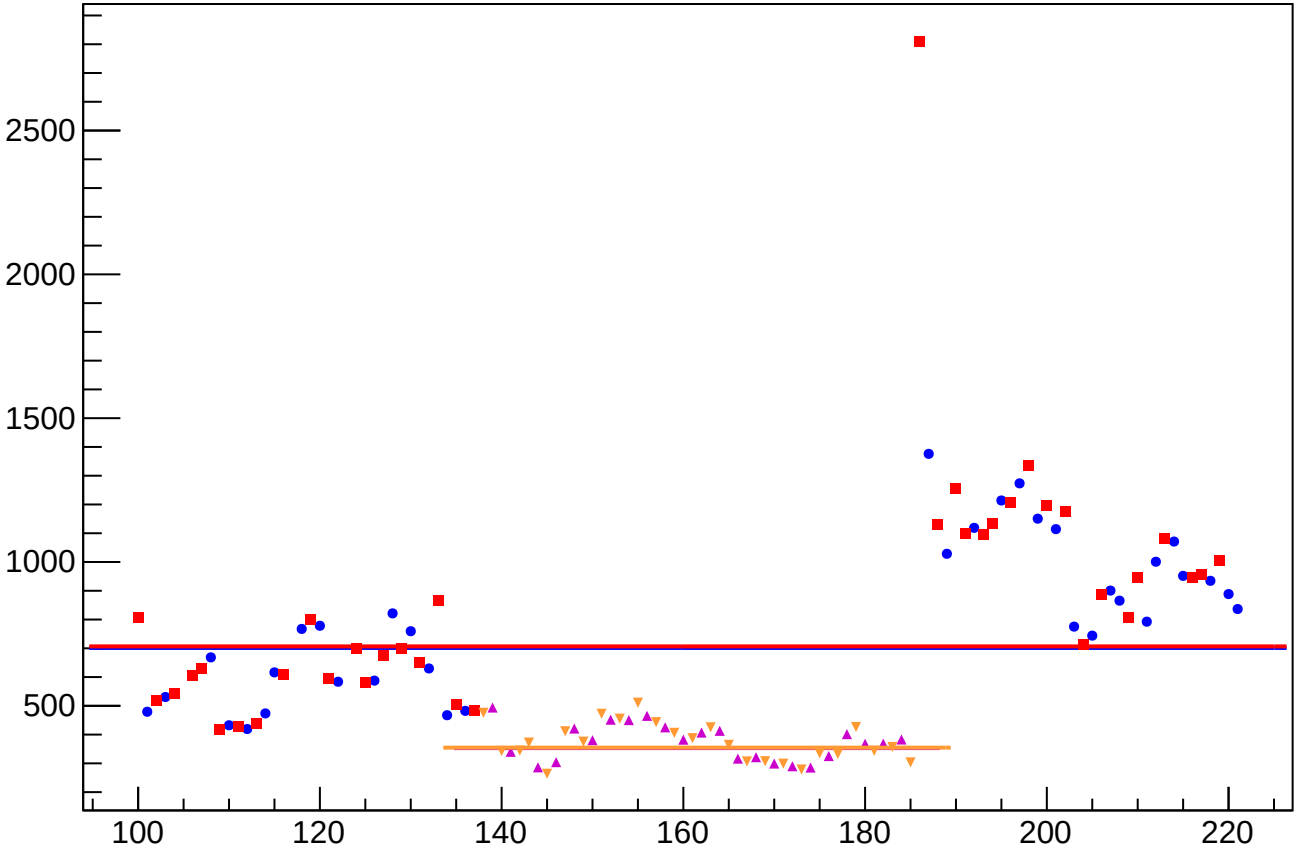
Right: 52.215+/-113.542 χ^2/NDF: 159.4/70

In: -97.692+/-74.094 χ^2/NDF:98.6/56

Out: -153.993+/-73.325 χ^2/NDF:168.4/61

All: -126.136+/-52.118 χ^2/NDF: 267.3/118

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: 706.598+/-0.115 χ^2/NDF: 5313333.4/36

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

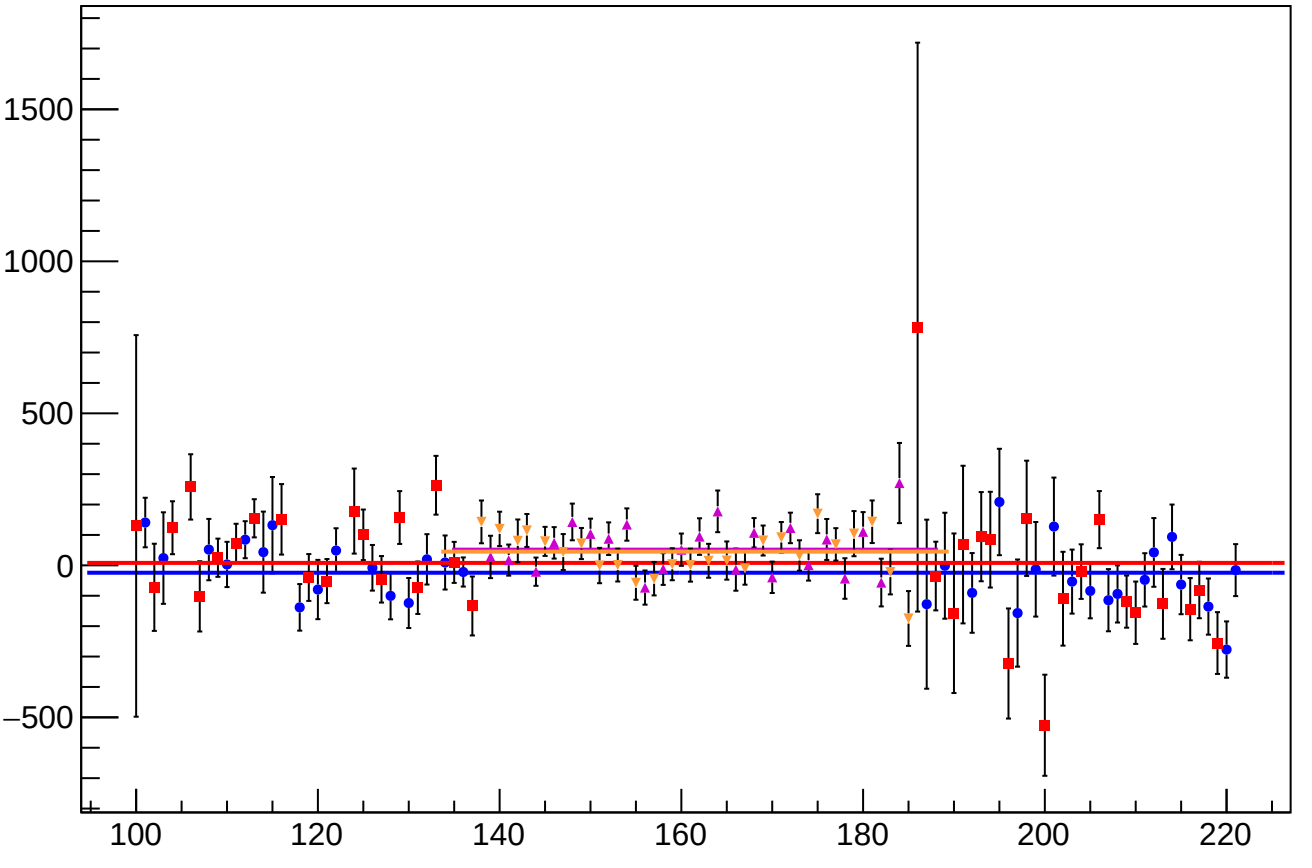
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 703.844+/-0.080 χ^2/NDF: 9708849.9/70

In: 429.689+/-0.052 χ^2/NDF:12975055.8/56

Out: 425.632+/-0.052 χ^2/NDF:13875433.2/61

All: 427.639+/-0.037 χ^2/NDF: 26853518.7/1



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: 8.065+/-16.261 χ^2/NDF: 68.9/36

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

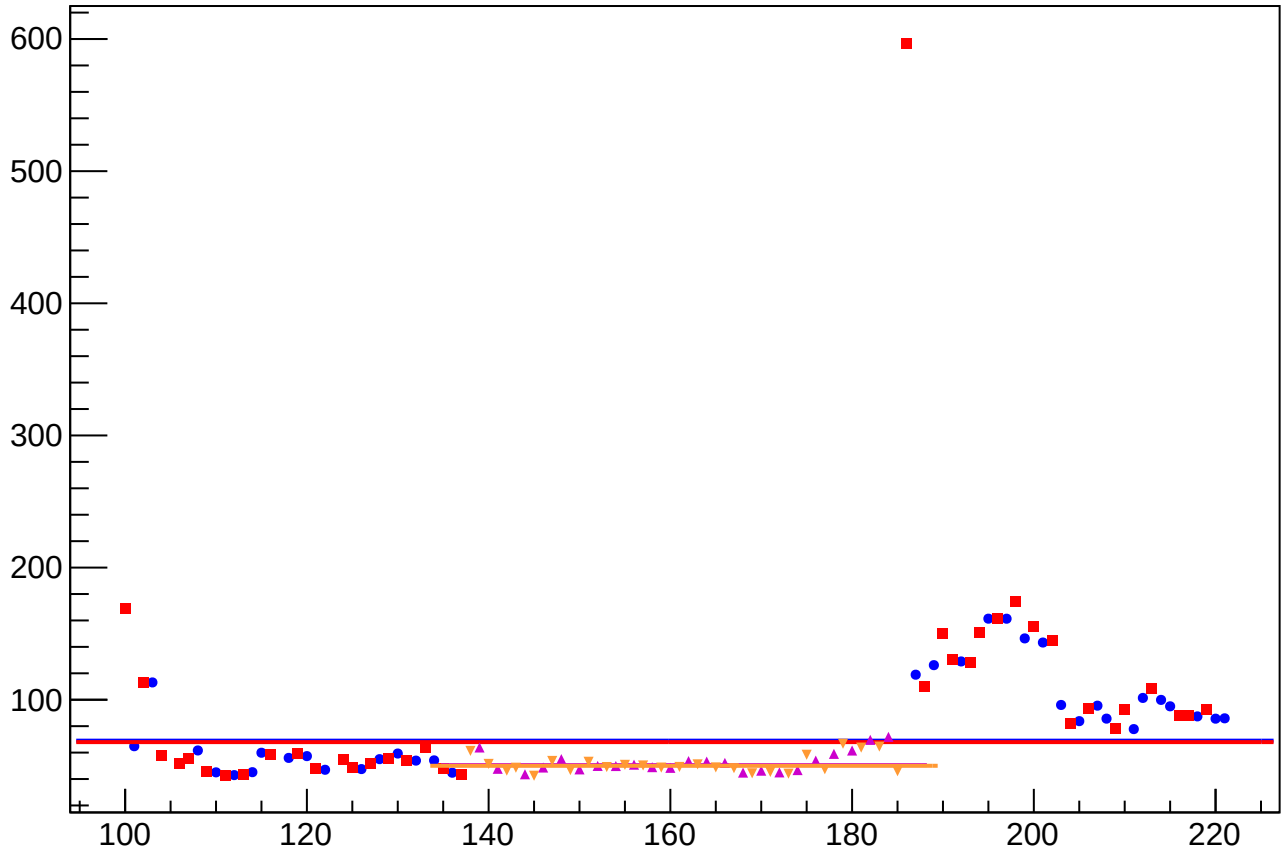
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -8.450+/-11.377 χ^2/NDF: 102.9/70

In: 24.331+/-9.547 χ^2/NDF:82.4/56

Out: 32.758+/-9.386 χ^2/NDF:103.7/61

All: 28.616+/-6.693 χ^2/NDF: 186.4/118



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: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

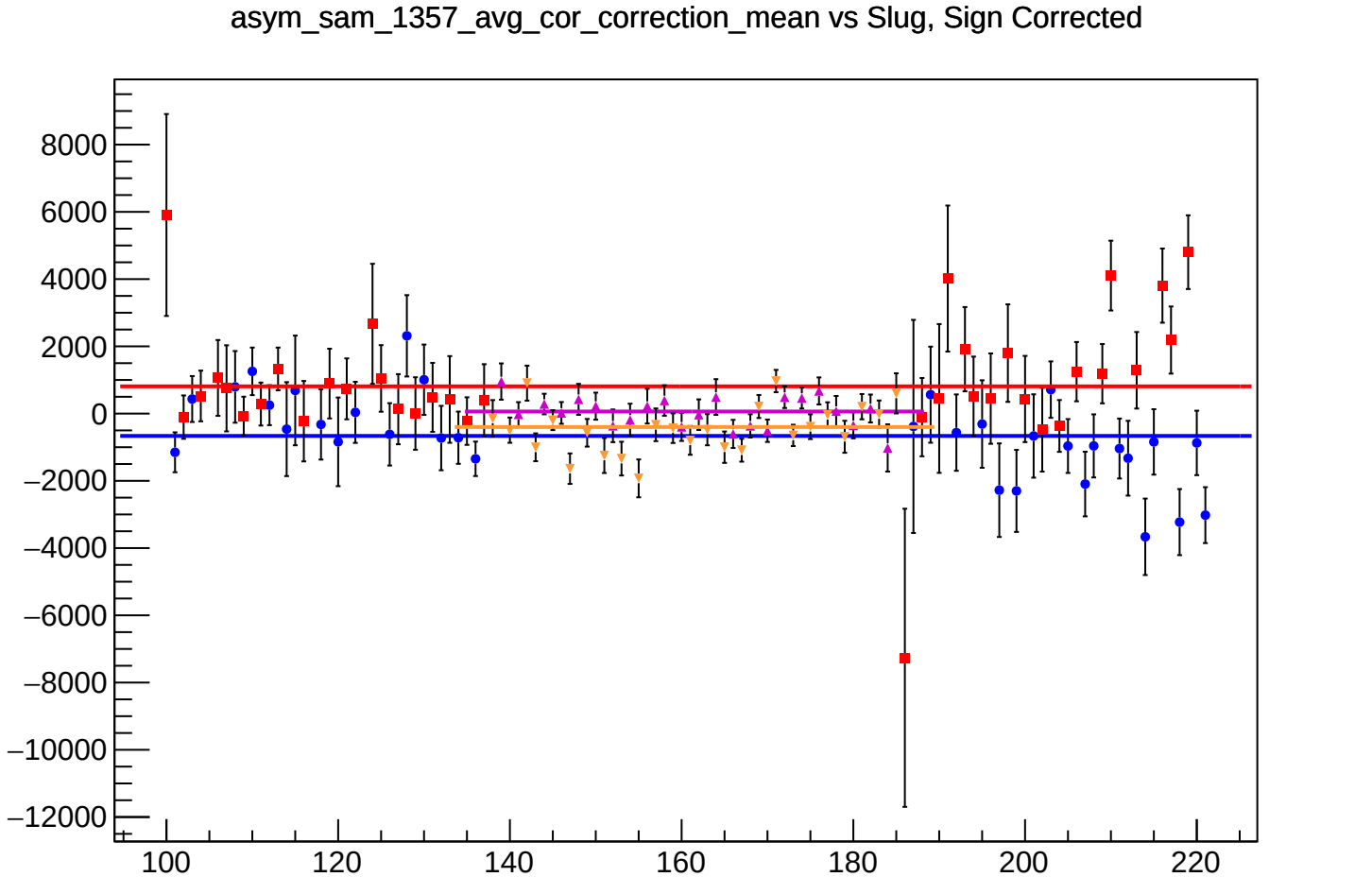
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 68.493+/-0.008 χ^2/NDF: 13070052.7/70

In: 57.168+/-0.007 χ^2/NDF:8047640.3/56

Out: 55.990+/-0.007 χ^2/NDF:9380991.2/61

All: 56.569+/-0.005 χ^2/NDF: 17444107.9/118



Right In: -664.151+/-157.986 χ^2/NDF: 58.2/33

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 810.692+/-163.391 χ^2/NDF: 58.4/36

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

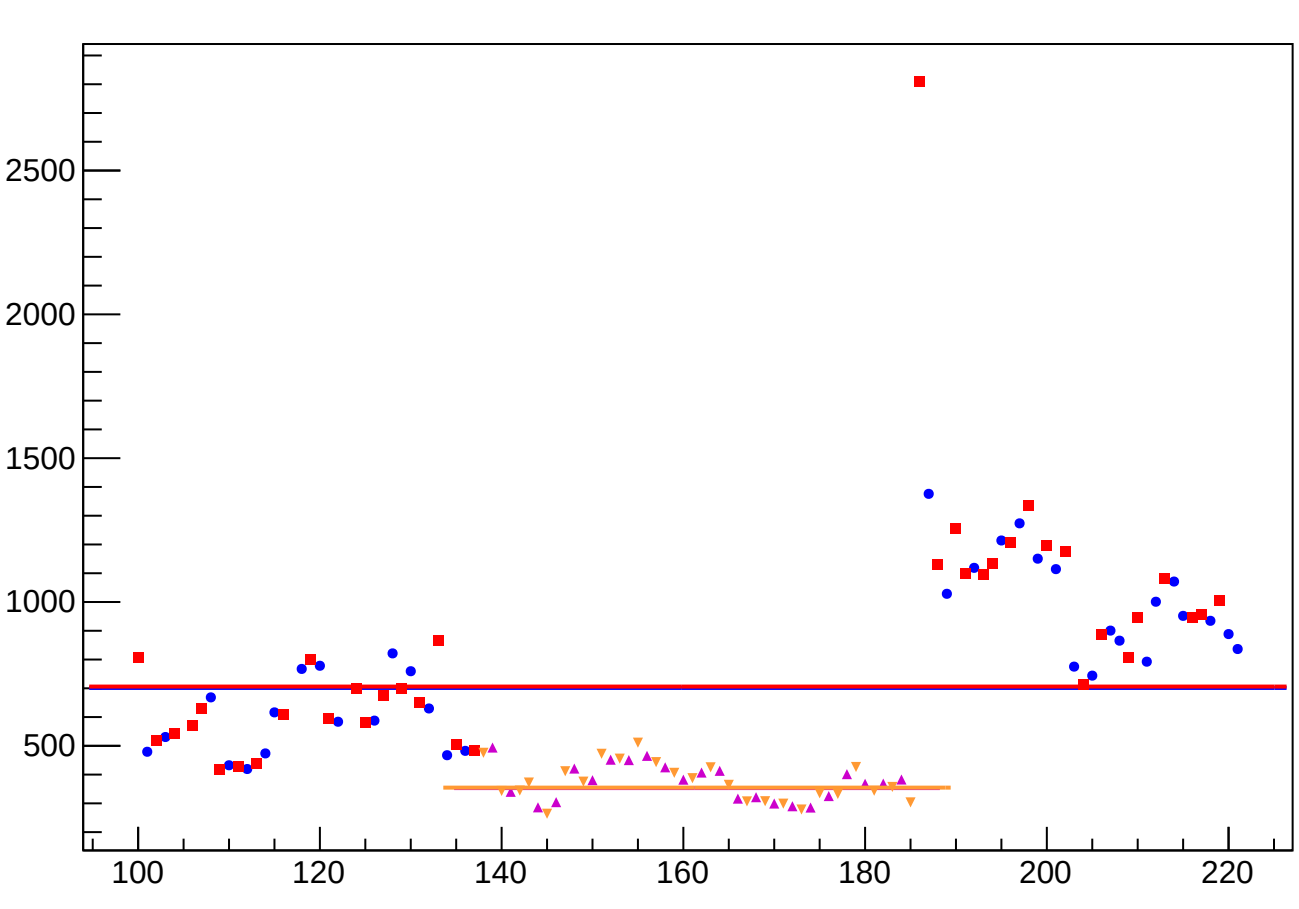
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 48.469+/-113.576 χ^2/NDF: 158.7/70

In: -97.690+/-74.094 χ^2/NDF:98.6/56

Out: -155.604+/-73.334 χ^2/NDF:167.6/61

All: -126.946+/-52.121 χ^2/NDF: 266.5/118



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: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

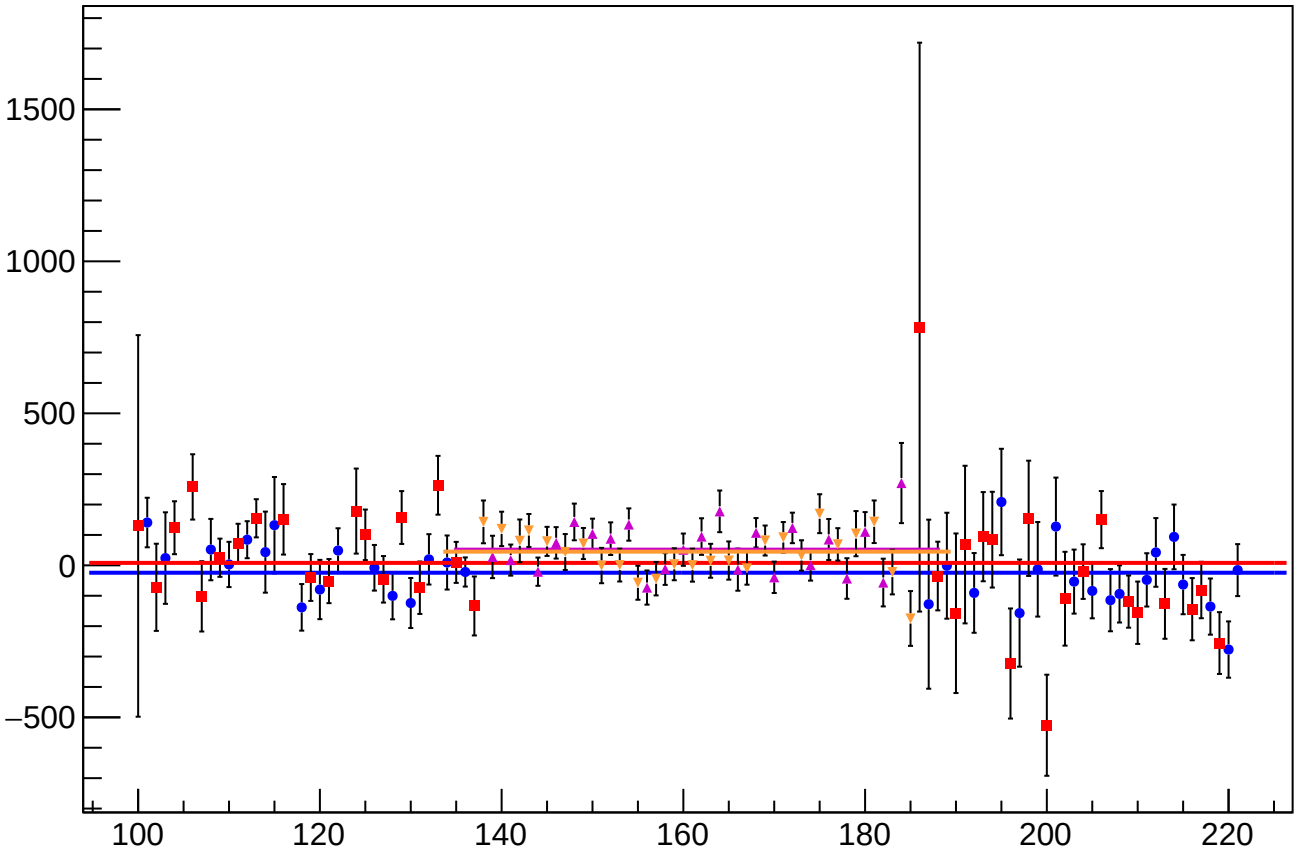
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 703.565+/-0.080 χ^2/NDF: 9719650.2/70

In: 429.689+/-0.052 χ^2/NDF:12975099.1/56

Out: 425.446+/-0.052 χ^2/NDF:13854947.9/61

All: 427.545+/-0.037 χ^2/NDF: 26833361.0/11



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: 8.065+/-16.261 χ^2/NDF: 68.9/36

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

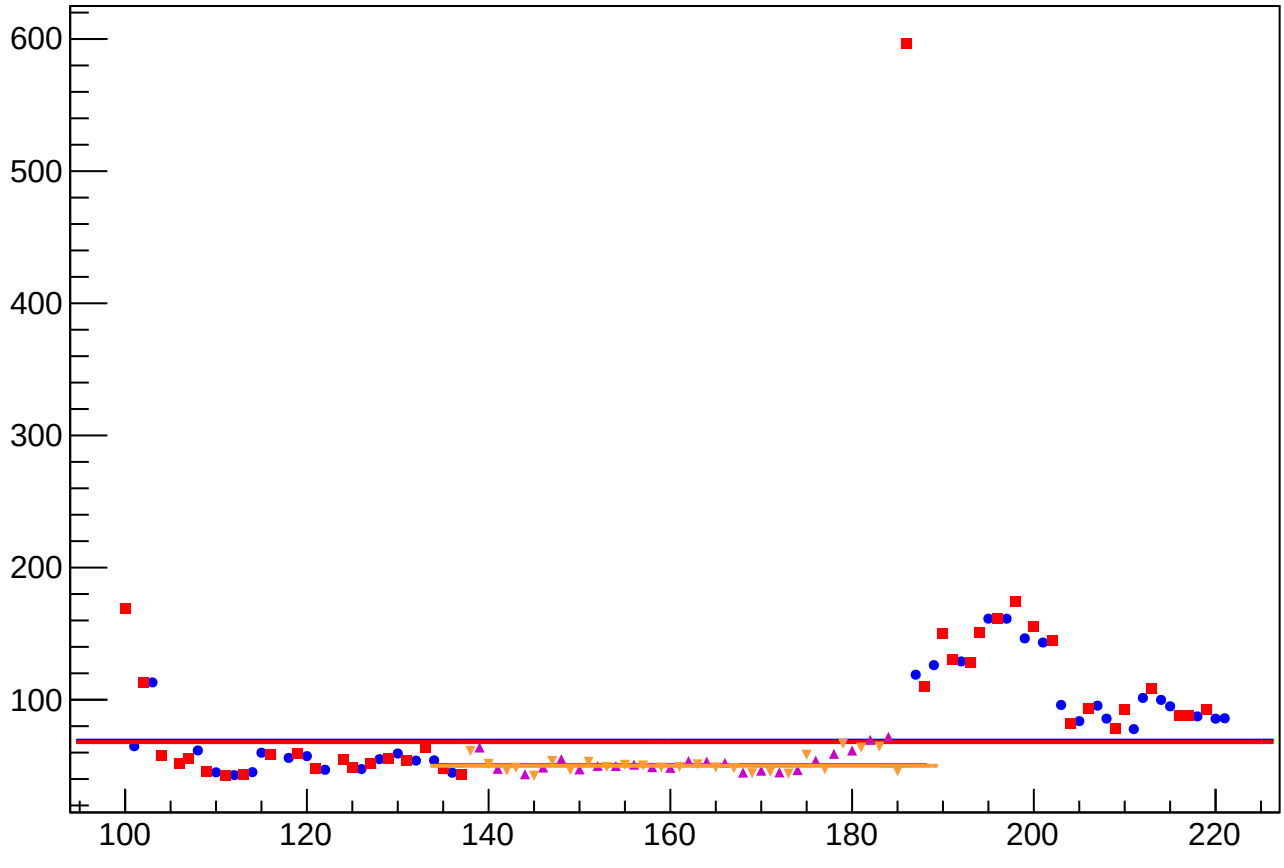
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -8.450+/-11.377 χ^2/NDF: 102.9/70

In: 24.331+/-9.547 χ^2/NDF:82.4/56

Out: 32.758+/-9.386 χ^2/NDF:103.7/61

All: 28.616+/-6.693 χ^2/NDF: 186.4/118



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: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

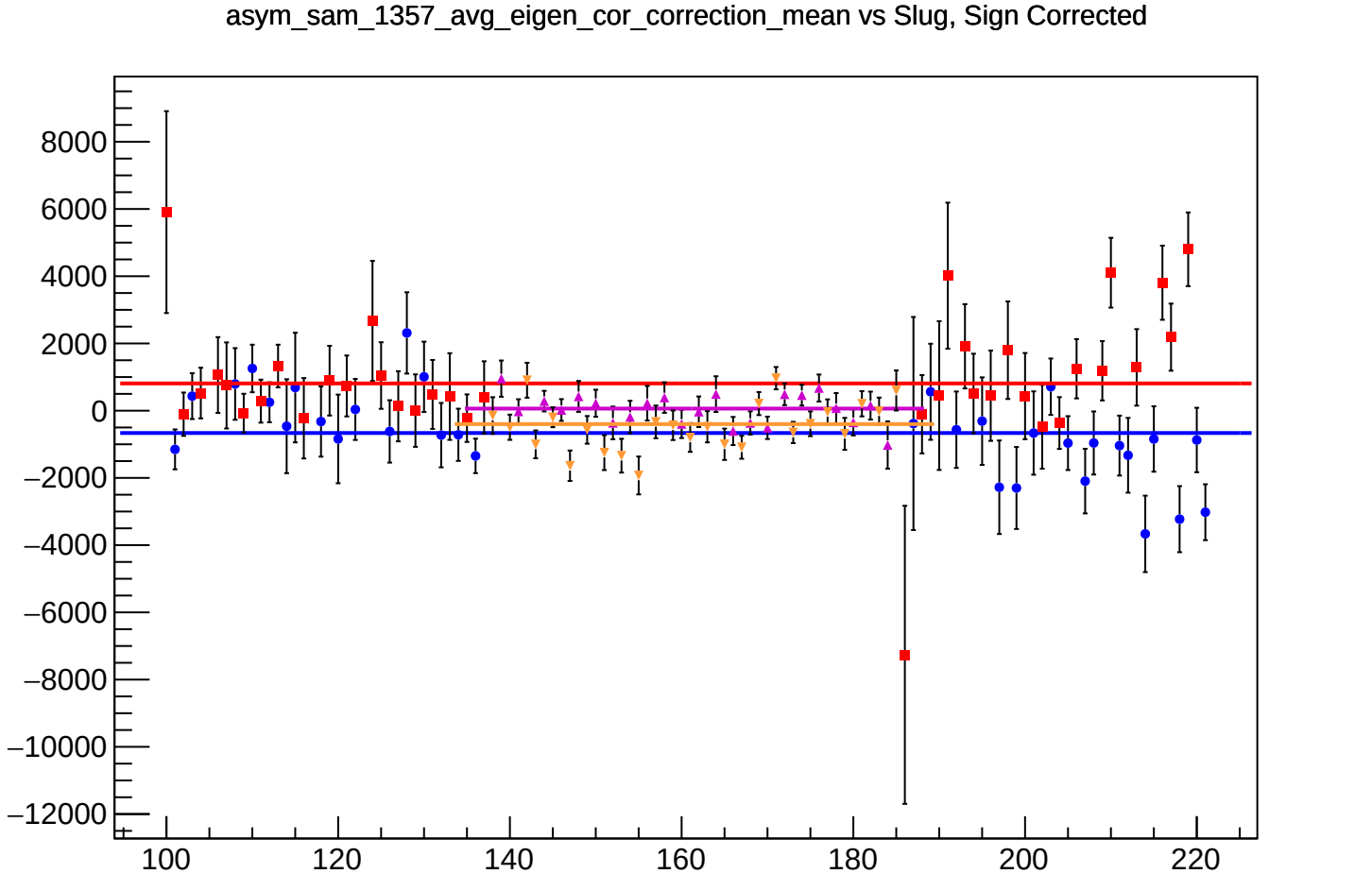
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 68.493+/-0.008 χ^2/NDF: 13070052.7/70

In: 57.168+/-0.007 χ^2/NDF:8047640.3/56

Out: 55.990+/-0.007 χ^2/NDF:9380991.2/61

All: 56.569+/-0.005 χ^2/NDF: 17444107.9/118



Right In: -664.151+/-157.986 χ^2/NDF: 58.2/33

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 810.692+/-163.391 χ^2/NDF: 58.4/36

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

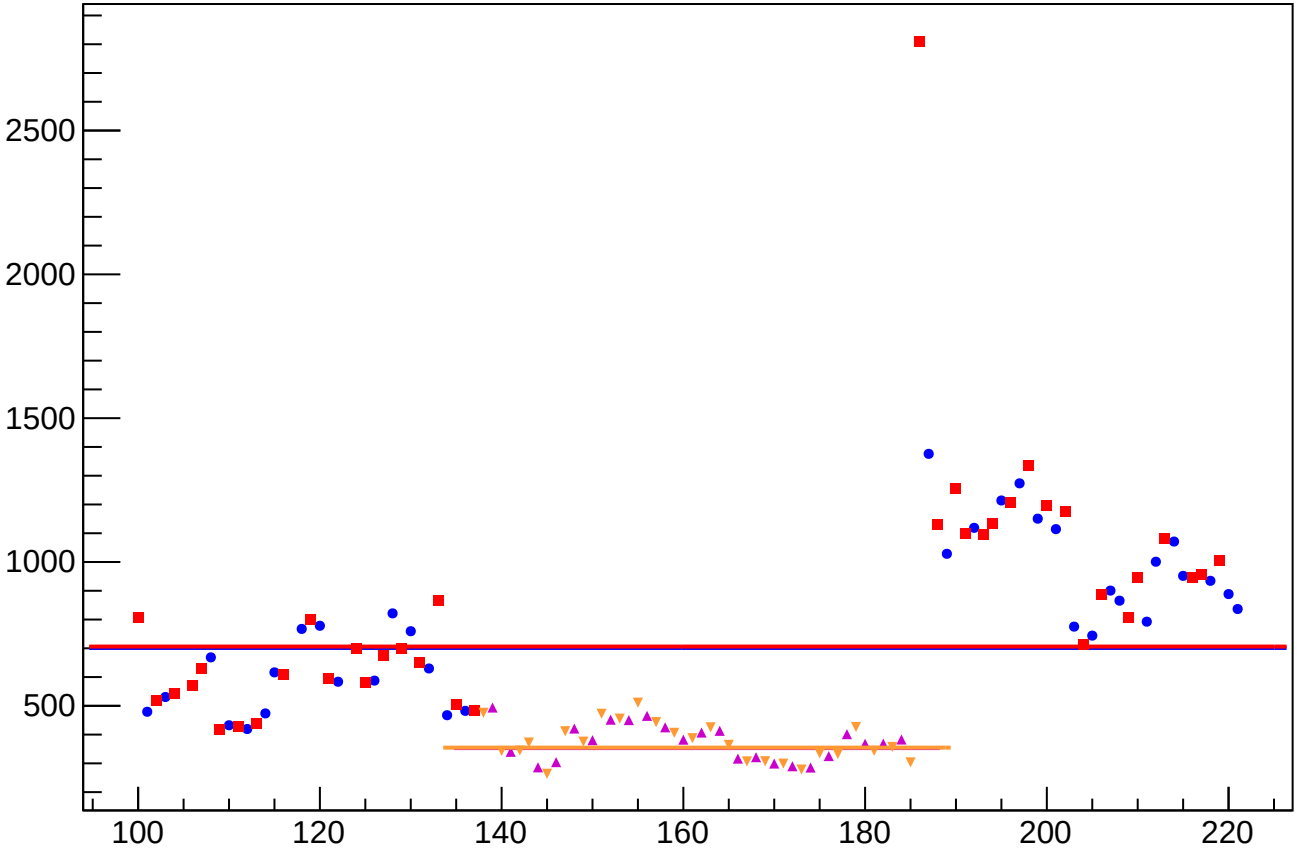
Right: 48.469+/-113.576 χ^2/NDF: 158.7/70

In: -97.690+/-74.094 χ^2/NDF:98.6/56

Out: -155.604+/-73.334 χ^2/NDF:167.6/61

All: -126.946+/-52.121 χ^2/NDF: 266.5/118

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

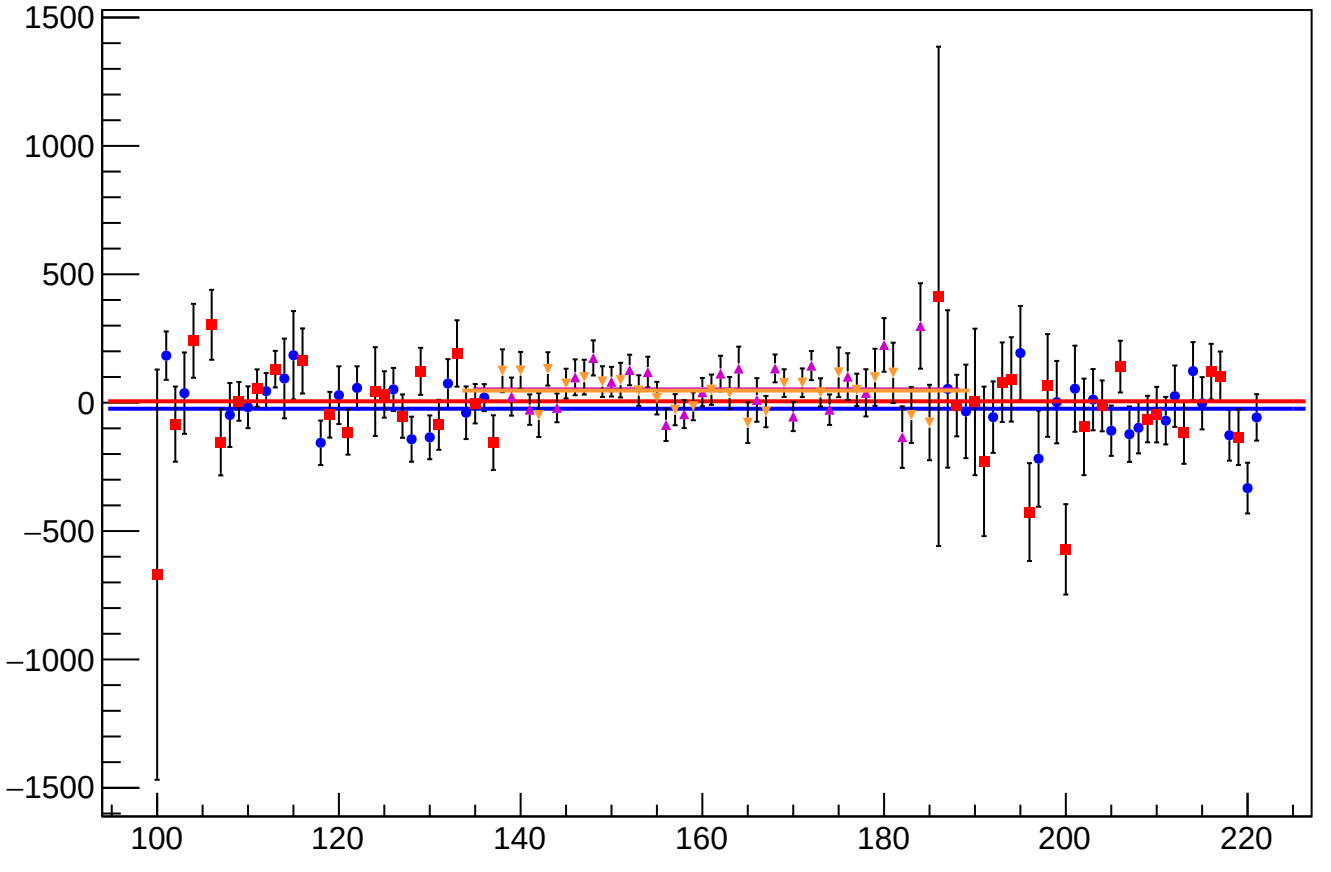
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 703.565+/-0.080 χ^2/NDF: 9719650.2/70

In: 429.689+/-0.052 χ^2/NDF:12975099.1/56

Out: 425.446+/-0.052 χ^2/NDF:13854947.9/61

All: 427.545+/-0.037 χ^2/NDF: 26833361.0/11



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: 5.347+/-18.362 χ^2/NDF: 49.9/36

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

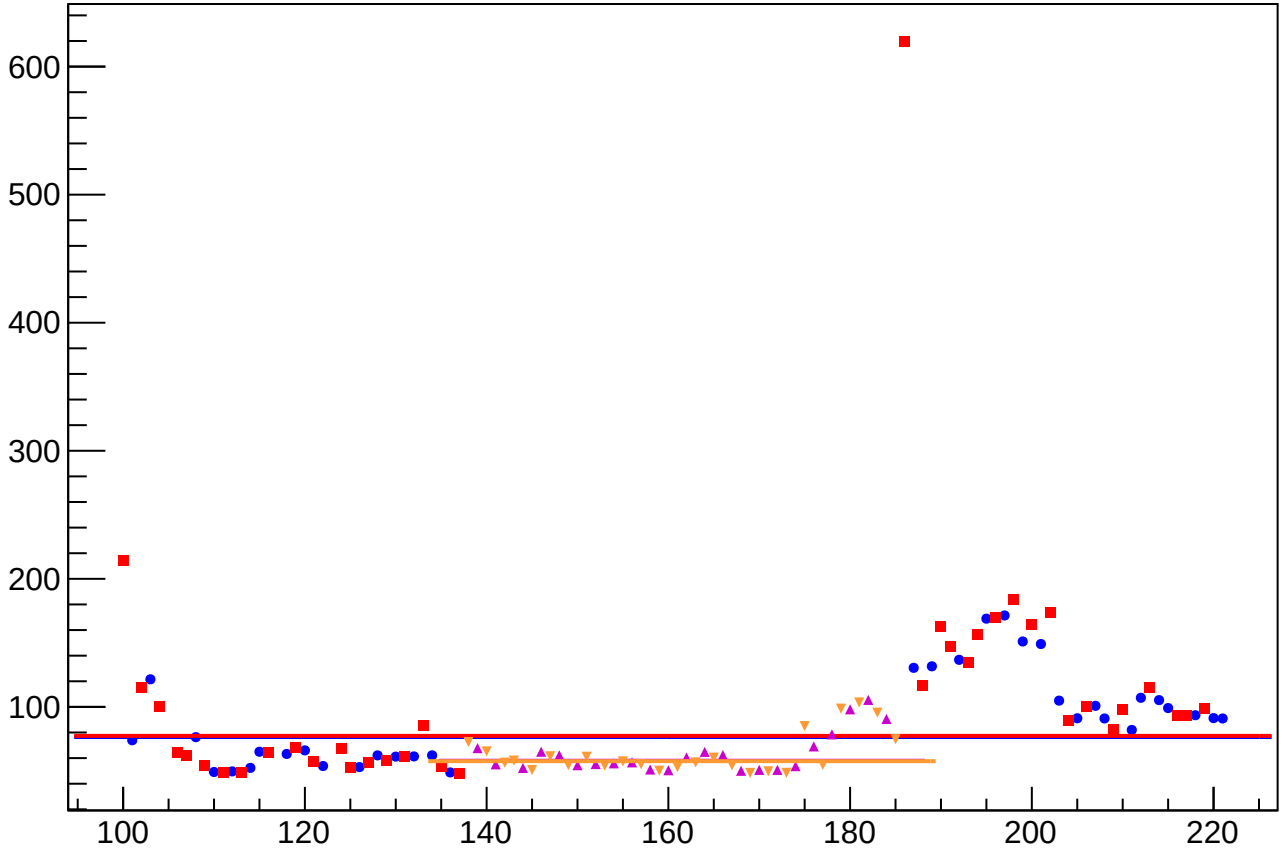
Right: -9.790+/-12.679 χ^2/NDF: 87.1/70

In: 22.519+/-10.907 χ^2/NDF:85.4/56

Out: 32.467+/-10.883 χ^2/NDF:70.2/61

All: 27.504+/-7.704 χ^2/NDF: 156.0/118

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: 77.355+/-0.013 χ^2/NDF: 6515171.2/36

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

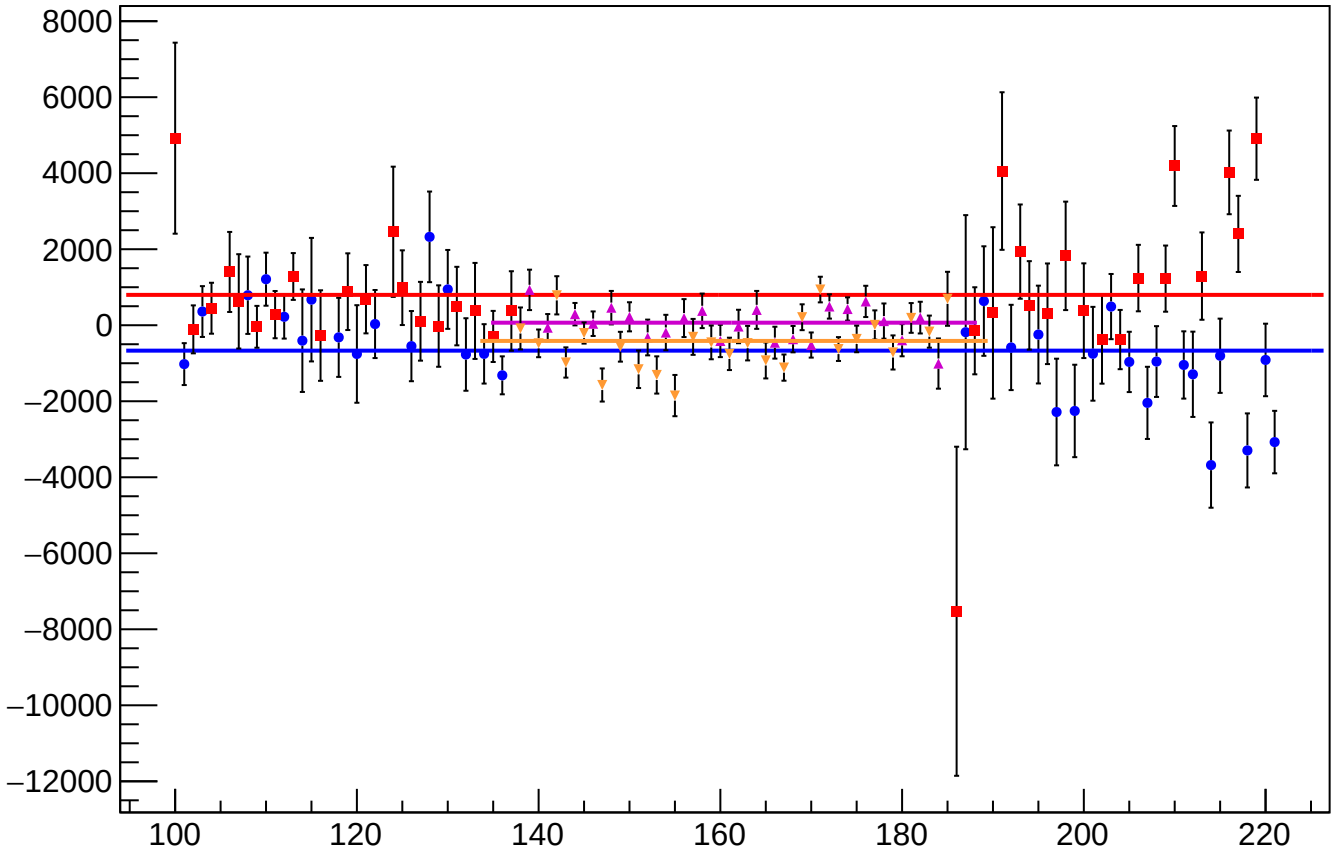
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 76.894+/-0.009 χ^2/NDF: 11659687.0/70

In: 65.116+/-0.008 χ^2/NDF:7636682.4/56

Out: 64.559+/-0.008 χ^2/NDF:9377824.3/61

All: 64.837+/-0.005 χ^2/NDF: 17017118.8/118



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: 798.519+/-159.231 χ^2/NDF: 63.3/36

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

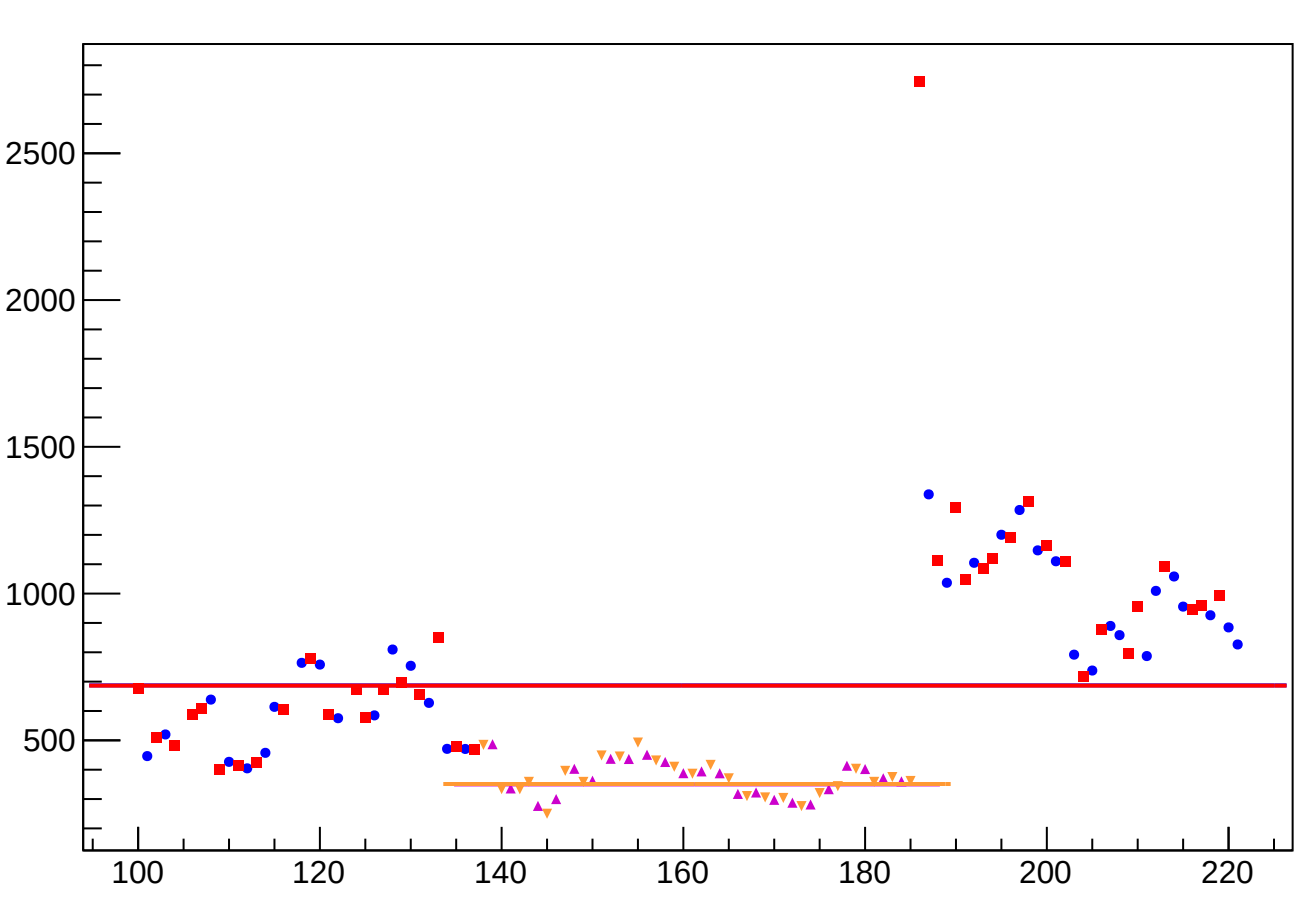
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 46.840+/-111.199 χ^2/NDF: 165.0/70

In: -96.896+/-73.264 χ^2/NDF:98.5/56

Out: -163.329+/-72.291 χ^2/NDF:170.6/61

All: -130.556+/-51.458 χ^2/NDF: 269.5/118



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: 686.431+/-0.113 χ^2/NDF: 5623784.7/36

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

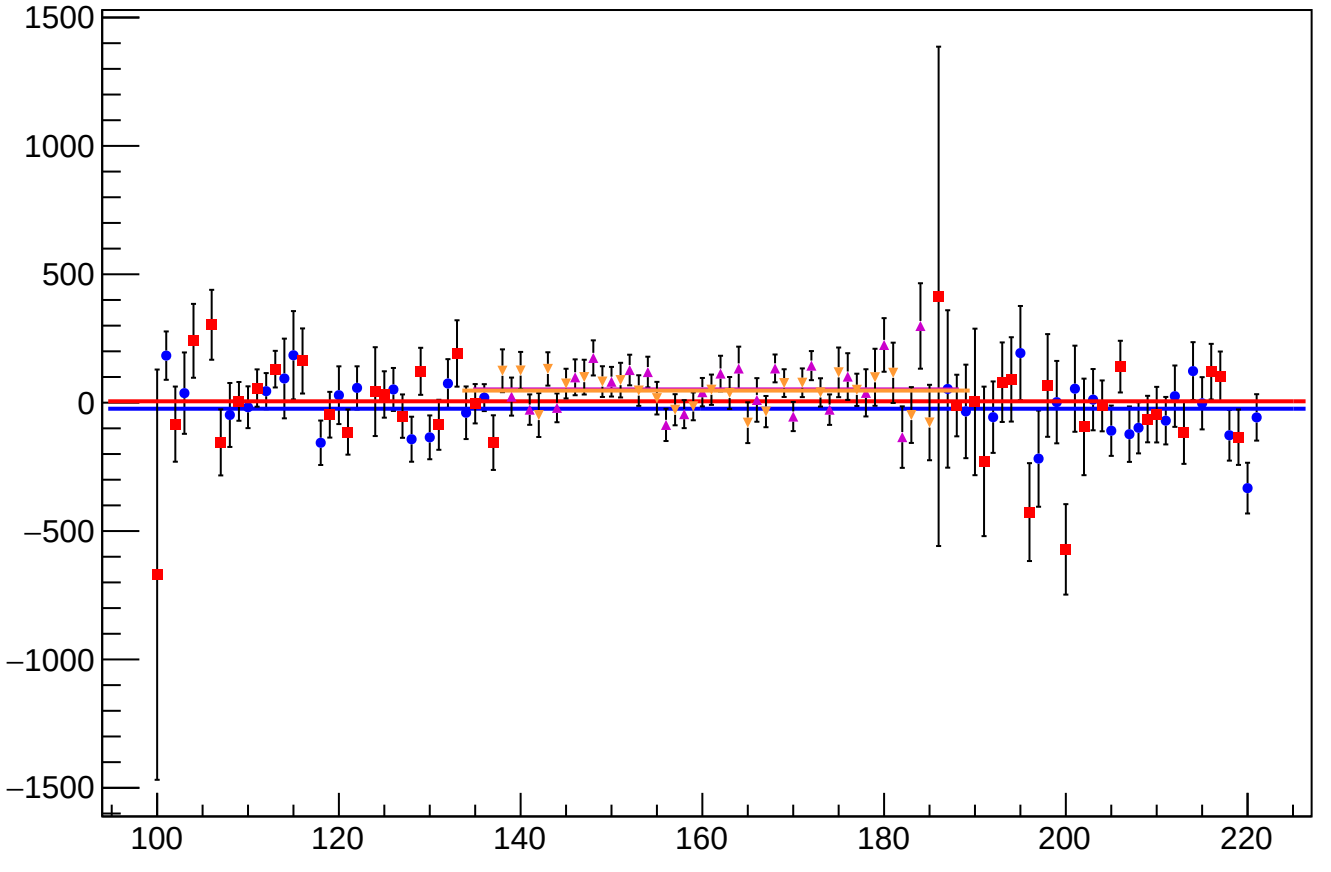
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 686.866+/-0.079 χ^2/NDF: 10307214.9/70

In: 424.861+/-0.052 χ^2/NDF:13011939.5/56

Out: 420.347+/-0.051 χ^2/NDF:13776877.3/61

All: 422.574+/-0.036 χ^2/NDF: 26792662.9/1



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: 5.346+/-18.362 χ^2/NDF: 49.9/36

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

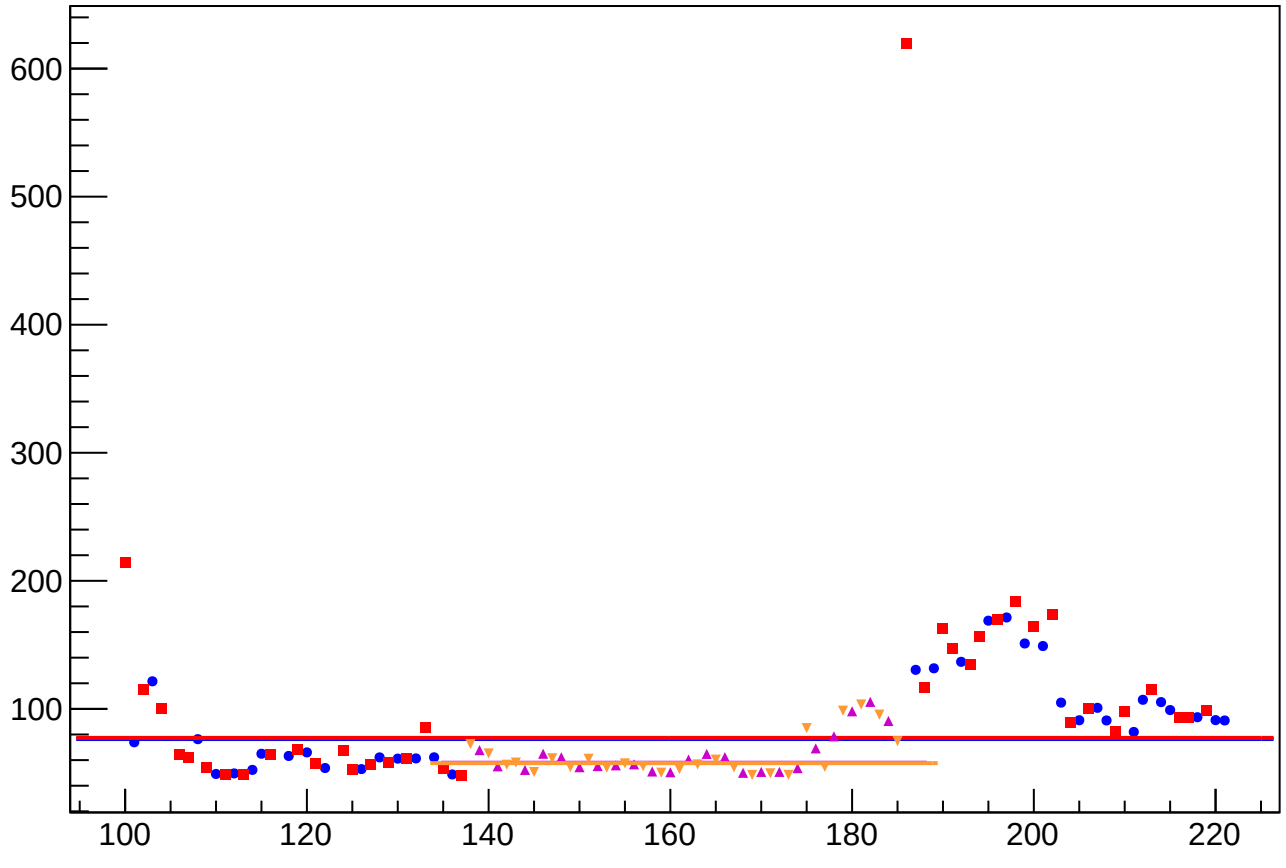
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -9.791+/-12.679 χ^2/NDF: 87.1/70

In: 22.519+/-10.907 χ^2/NDF:85.4/56

Out: 32.466+/-10.883 χ^2/NDF:70.2/61

All: 27.504+/-7.704 χ^2/NDF: 156.0/118



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: 77.356+/-0.013 χ^2/NDF: 6515147.0/36

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

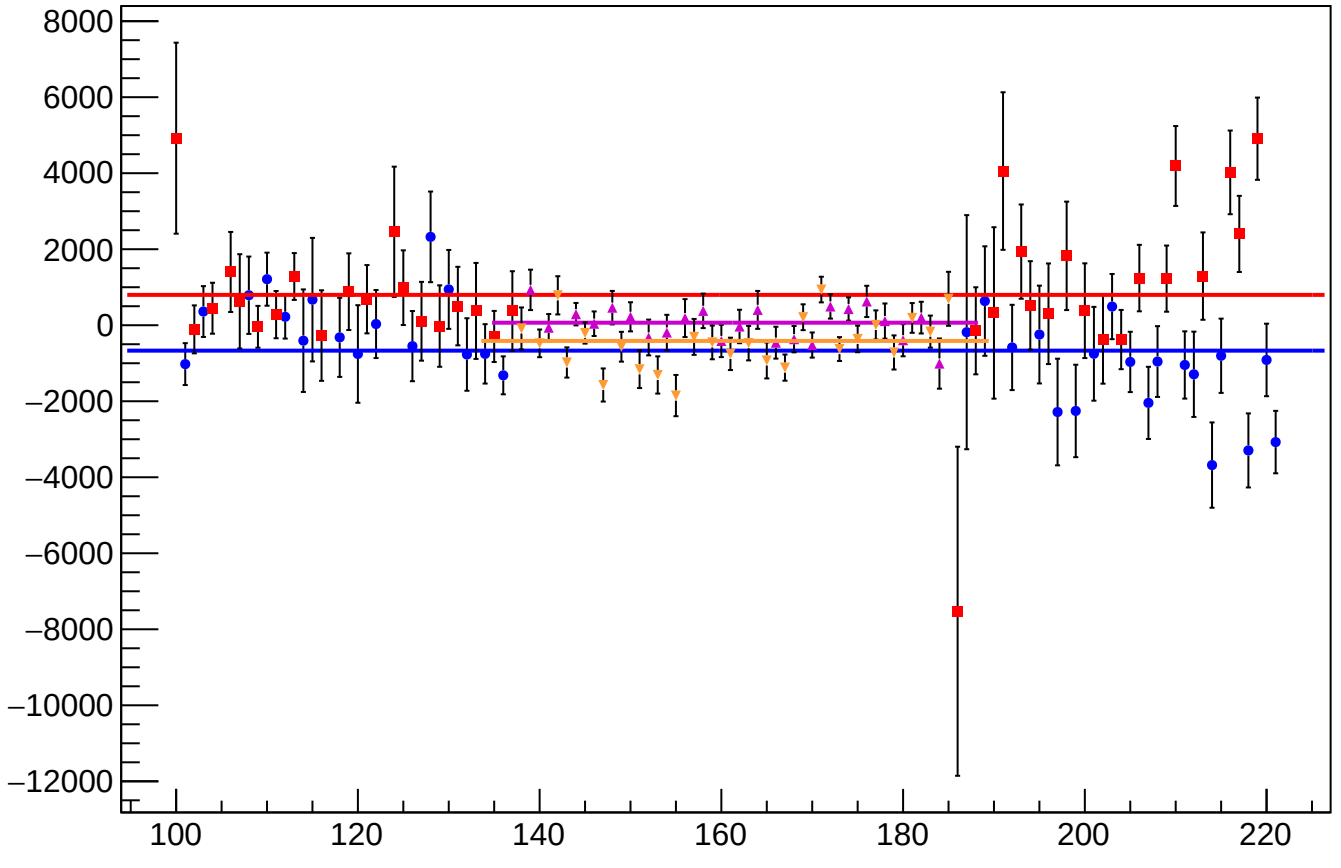
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 76.894+/-0.009 χ^2/NDF: 11659630.6/70

In: 65.116+/-0.008 χ^2/NDF:7636625.6/56

Out: 64.560+/-0.008 χ^2/NDF:9377792.2/61

All: 64.837+/-0.005 χ^2/NDF: 17017030.1/118



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: 798.517+/-159.231 χ^2/NDF: 63.3/36

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

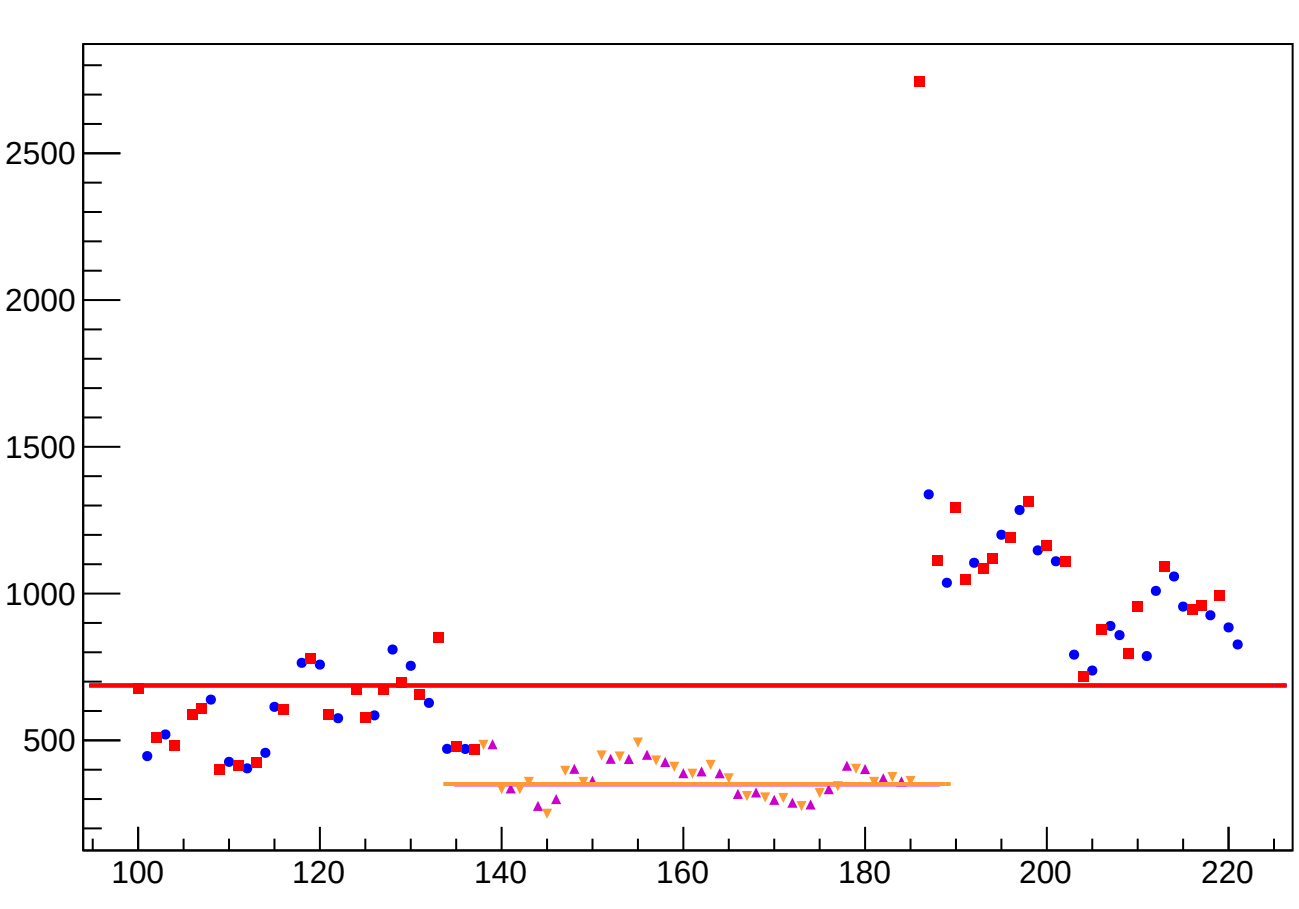
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 46.840+/-111.199 χ^2/NDF: 165.0/70

In: -96.896+/-73.263 χ^2/NDF:98.5/56

Out: -163.329+/-72.291 χ^2/NDF:170.6/61

All: -130.556+/-51.458 χ^2/NDF: 269.5/118



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: 686.430+/-0.113 χ^2/NDF: 5623794.2/36

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

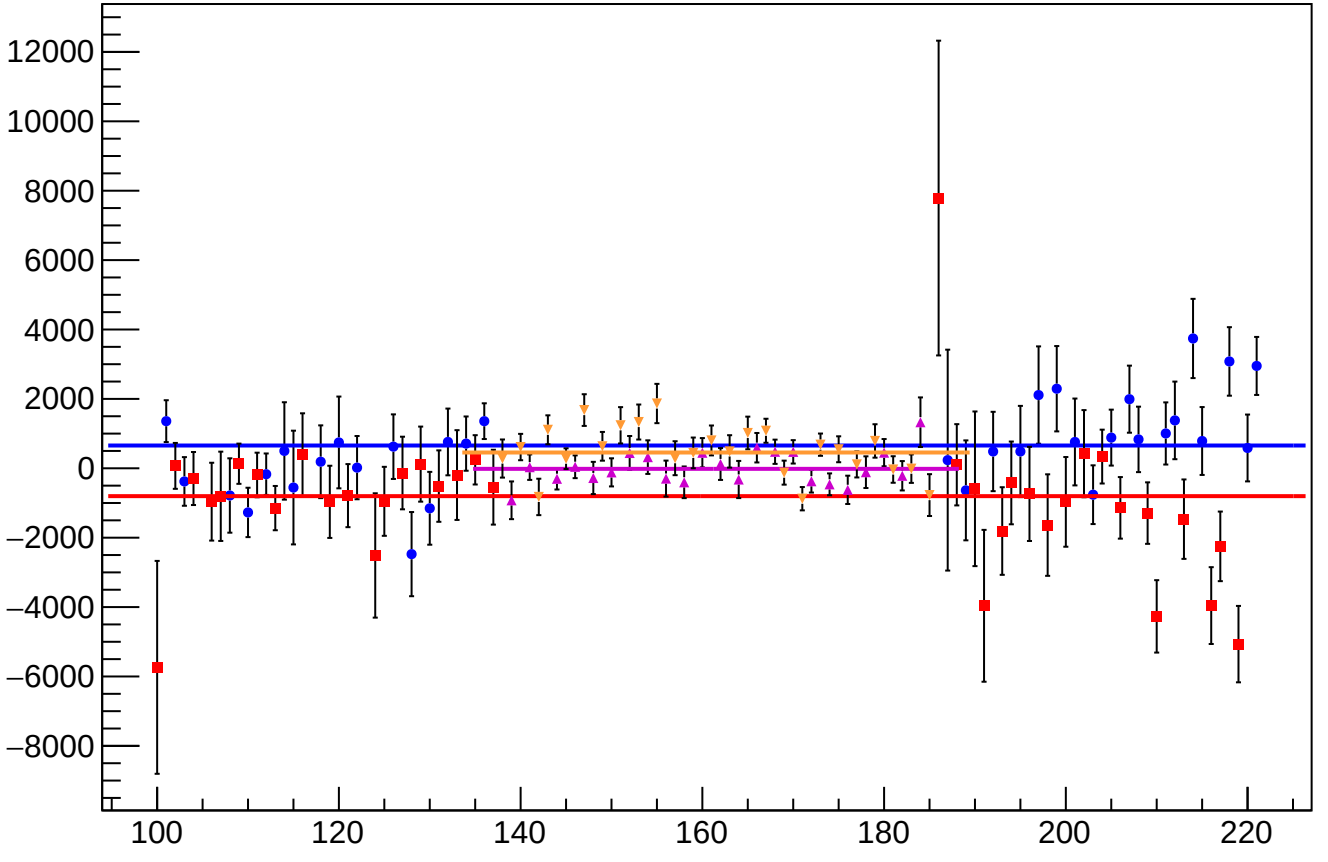
Right: 686.865+/-0.079 χ^2/NDF: 10307239.7/70

In: 424.861+/-0.052 χ^2/NDF:13011926.1/56

Out: 420.347+/-0.051 χ^2/NDF:13776866.2/61

All: 422.574+/-0.036 χ^2/NDF: 26792638.6/1

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: -802.717+/-164.522 χ^2/NDF: 61.7/36

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

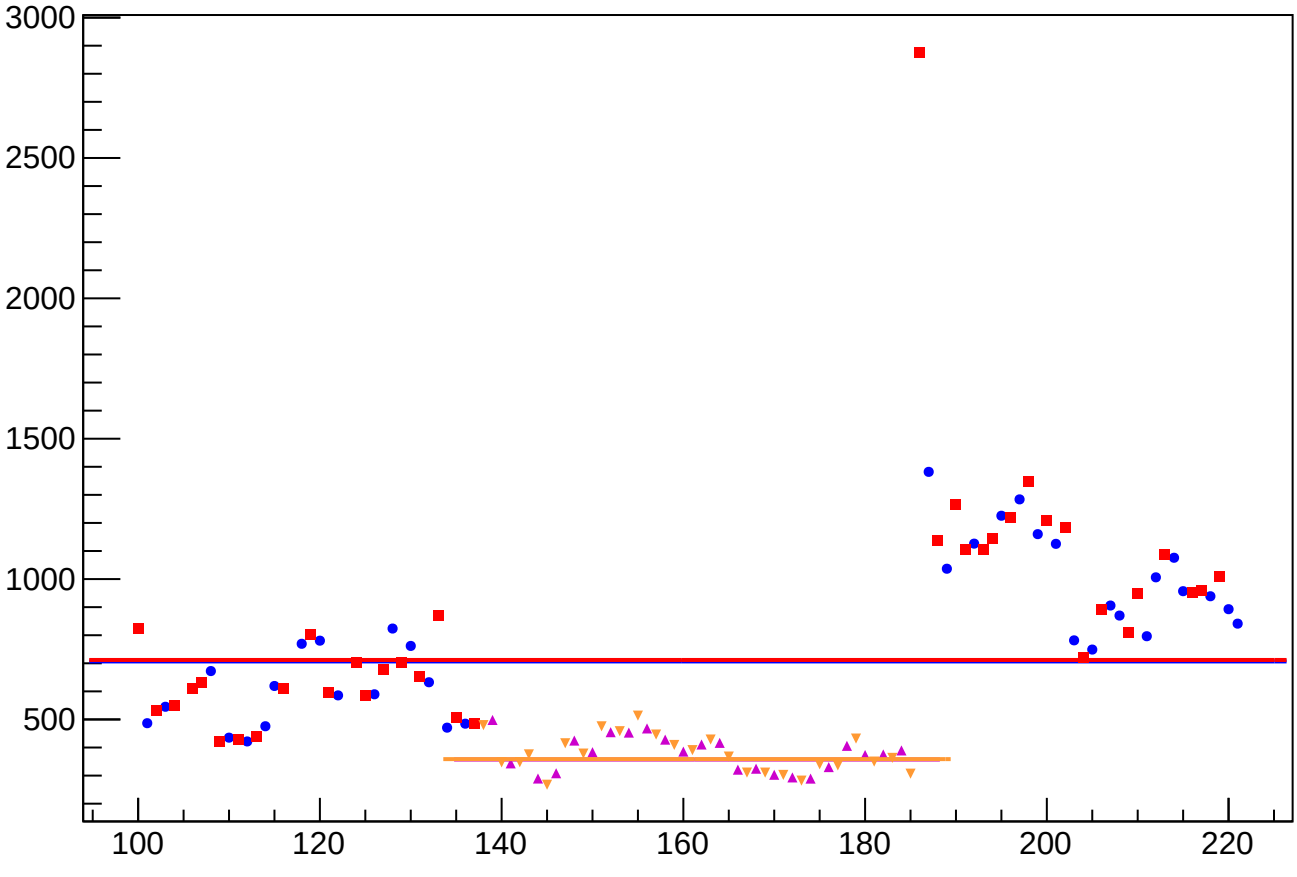
Right: -48.871+/-114.389 χ^2/NDF: 159.6/70

In: 132.747+/-74.860 χ^2/NDF:96.1/56

Out: 200.219+/-74.076 χ^2/NDF:169.1/61

All: 166.838+/-52.655 χ^2/NDF: 265.6/118

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: 711.886+/-0.116 χ^2/NDF: 5300301.4/36

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

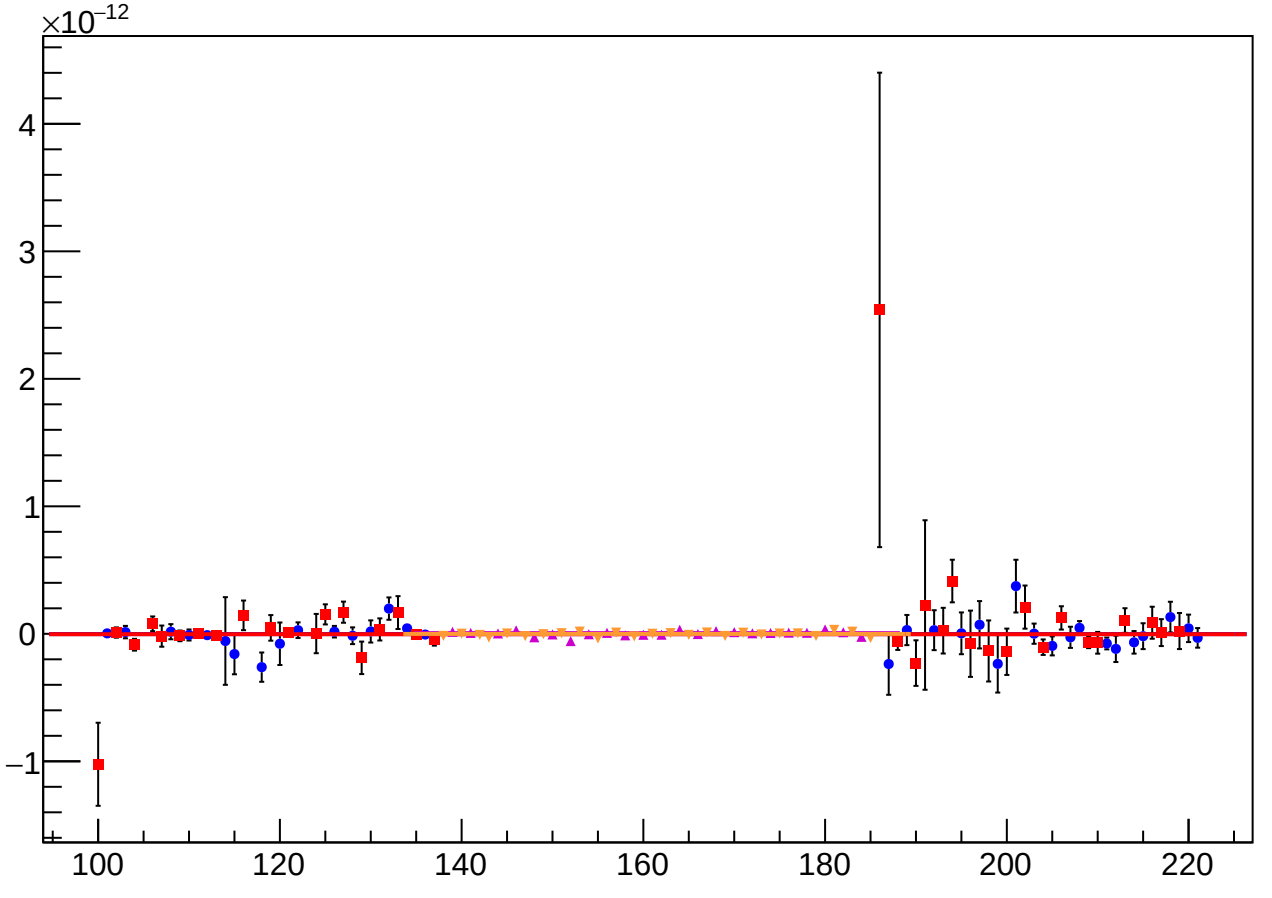
Right: 709.193+/-0.081 χ^2/NDF: 9668783.0/70

In: 434.506+/-0.053 χ^2/NDF:12859680.7/56

Out: 430.280+/-0.052 χ^2/NDF:13769263.9/61

All: 432.371+/-0.037 χ^2/NDF: 26632164.4/1

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: 52.8/36

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

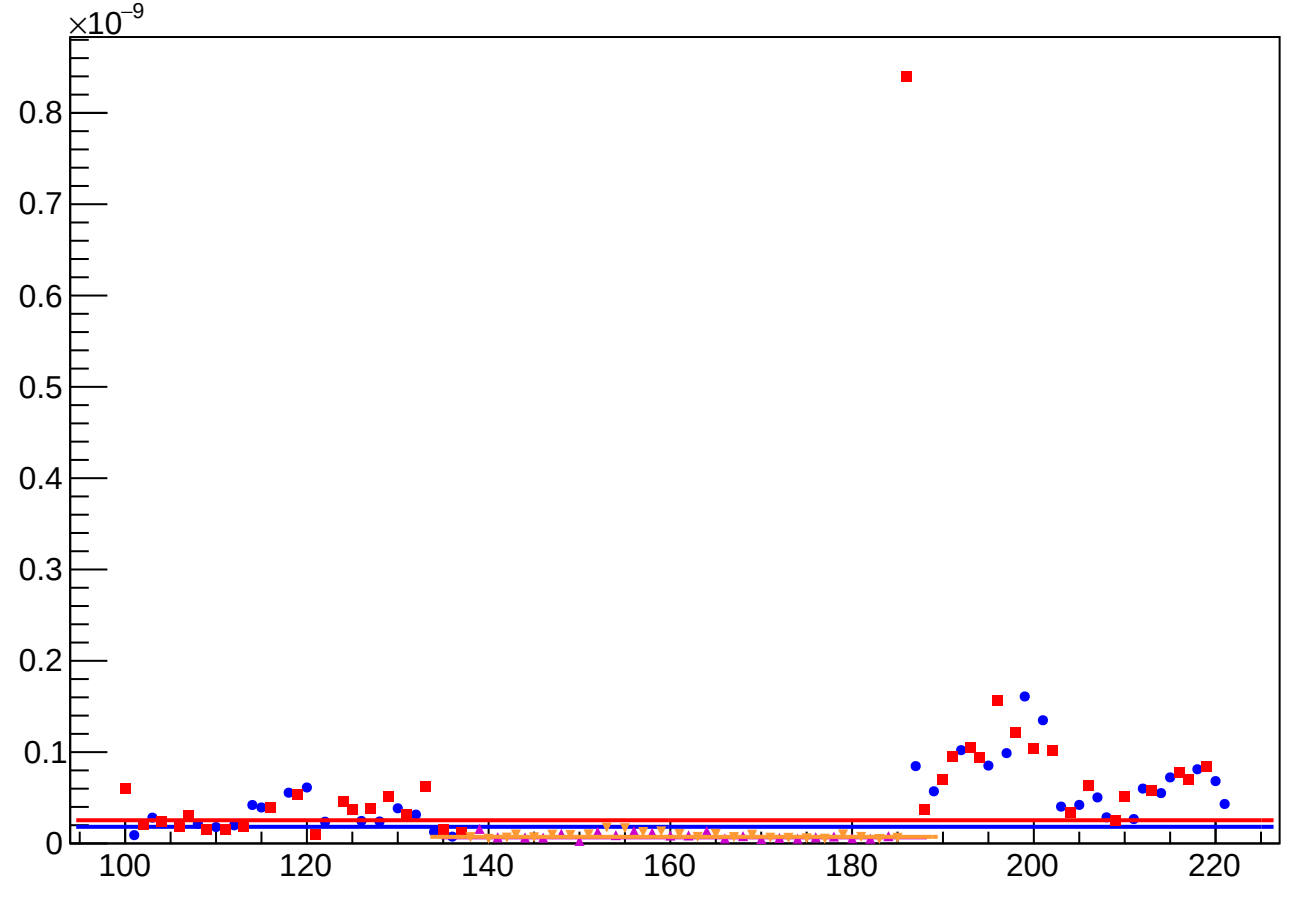
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 80.5/70

In: 0.000+/-0.000 χ^2/NDF:57.1/56

Out: -0.000+/-0.000 χ^2/NDF:71.0/61

All: 0.000+/-0.000 χ^2/NDF: 130.3/118



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: 6682108.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

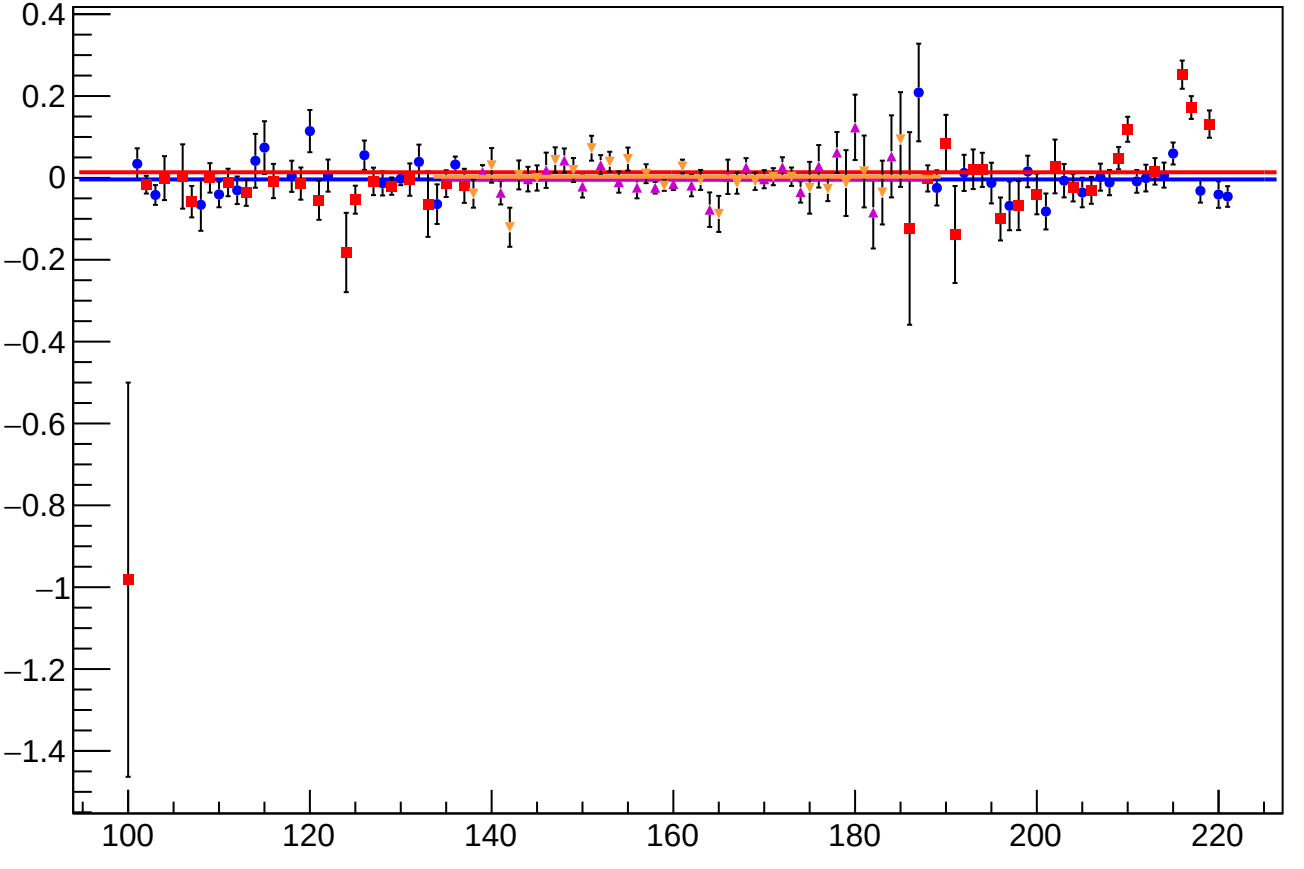
Right: 0.000+/-0.000 χ^2/NDF: 16032981.5/70

In: 0.000+/-0.000 χ^2/NDF:13974191.1/56

Out: 0.000+/-0.000 χ^2/NDF:13407335.7/61

All: 0.000+/-0.000 χ^2/NDF: 27429122.8/118

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: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

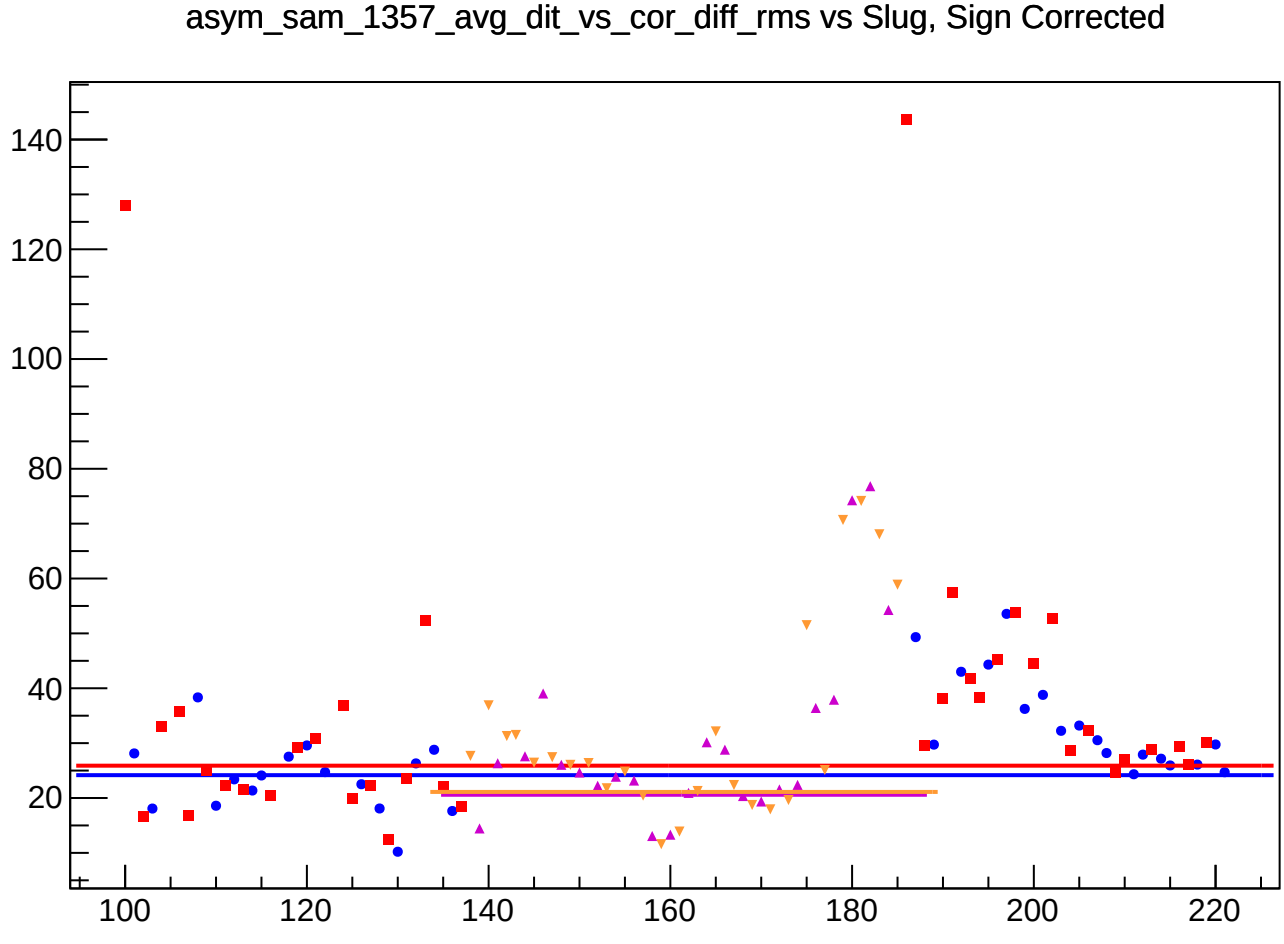
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.004+/-0.004 χ^2/NDF: 196.1/70

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.002+/-0.003 χ^2/NDF: 255.0/118



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: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

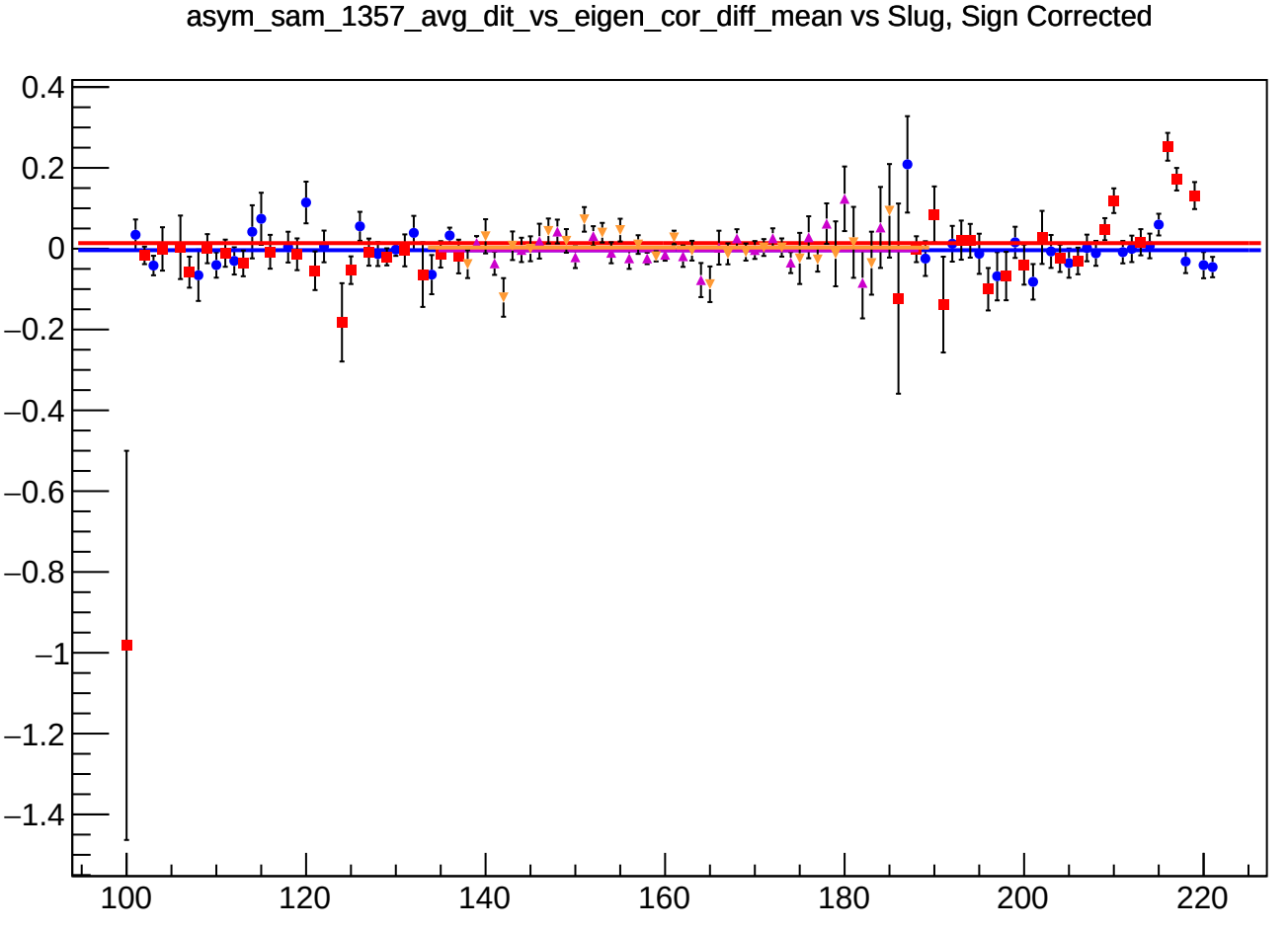
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.946+/-0.003 χ^2/NDF: 9158703.5/70

In: 22.304+/-0.003 χ^2/NDF:9462247.9/56

Out: 23.183+/-0.003 χ^2/NDF:10840052.4/61

All: 22.724+/-0.002 χ^2/NDF: 20350245.9/118



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: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

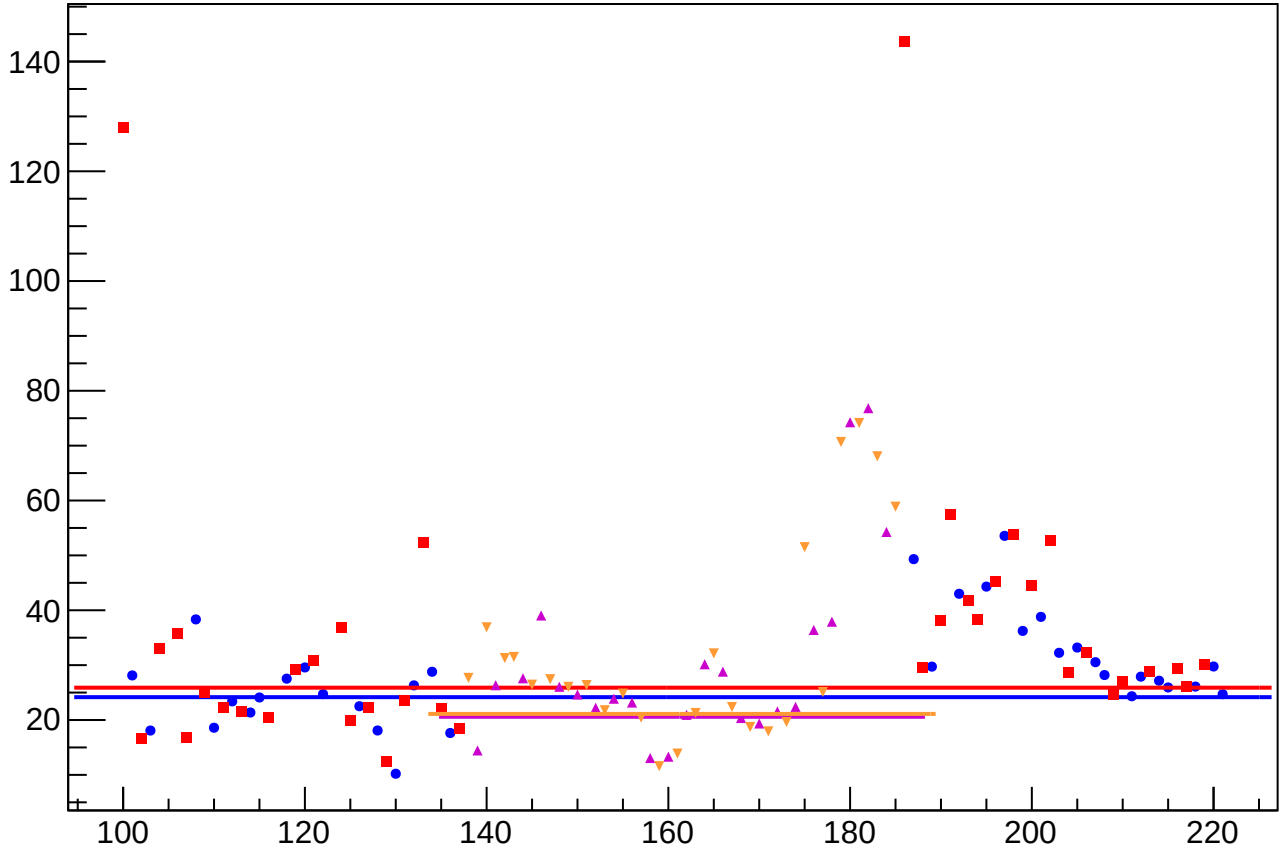
Right: 0.004+/-0.004 χ^2/NDF: 196.1/70

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.002+/-0.003 χ^2/NDF: 255.0/118

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: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

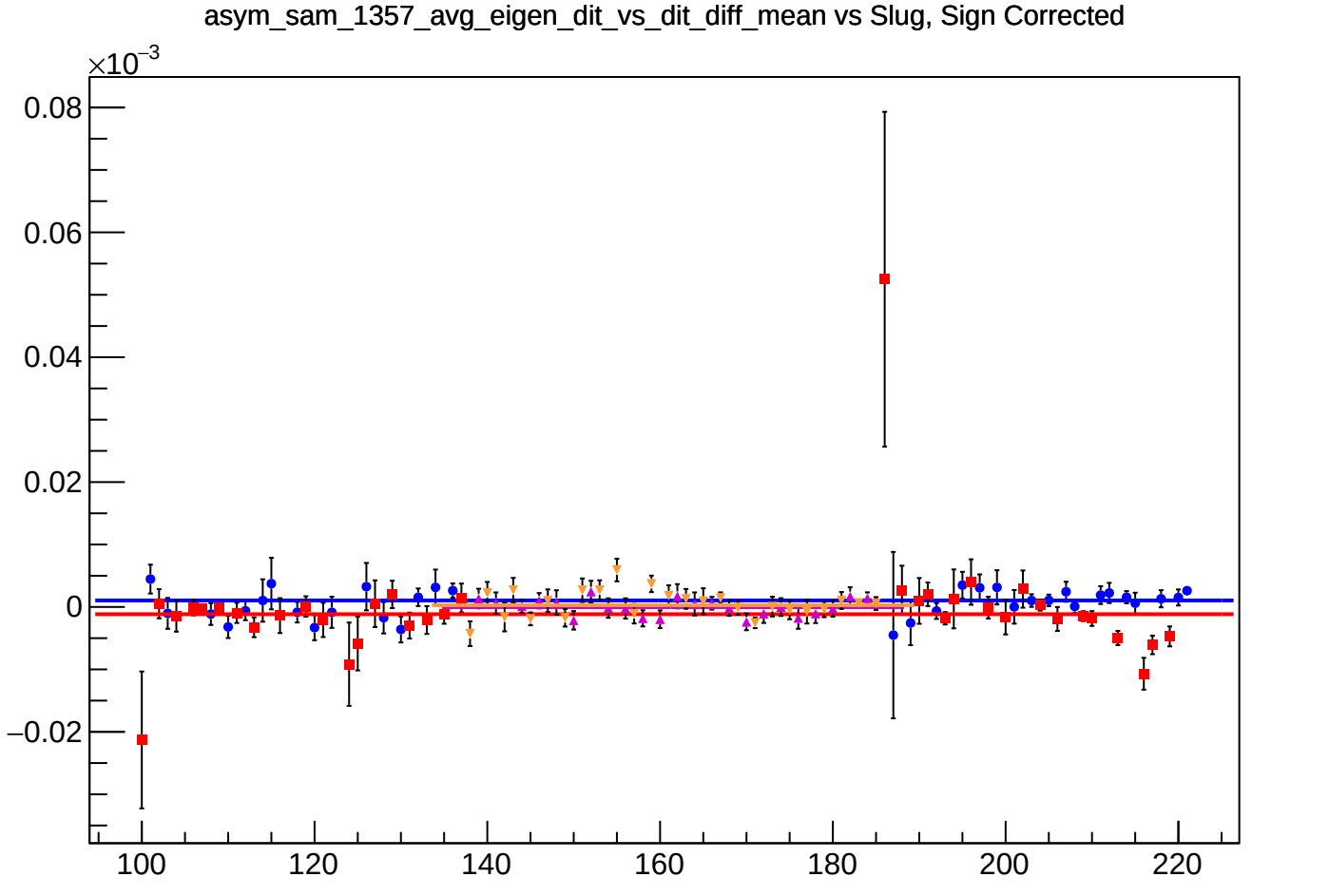
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

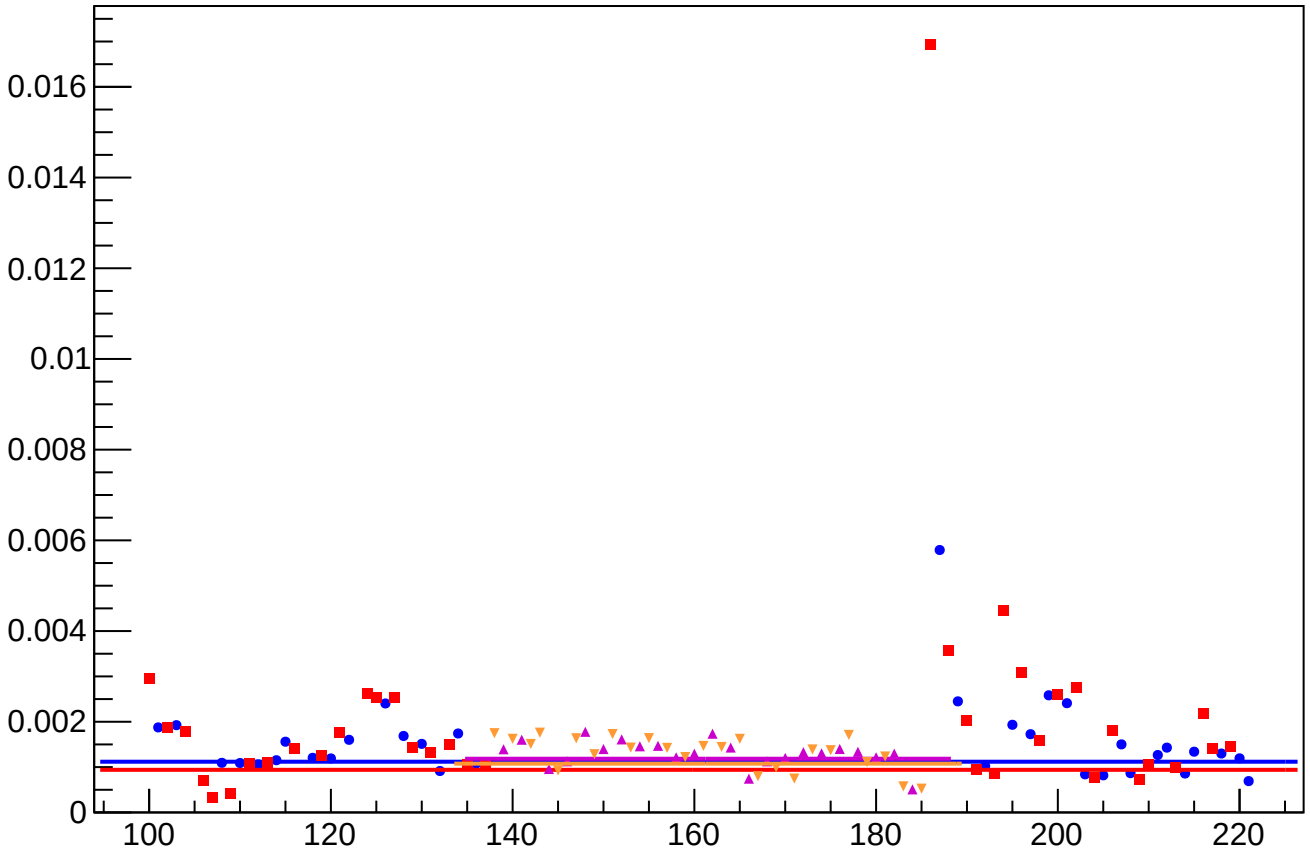
Right: 24.946+/-0.003 χ^2/NDF: 9158703.5/70

In: 22.304+/-0.003 χ^2/NDF:9462247.9/56

Out: 23.183+/-0.003 χ^2/NDF:10840052.4/61

All: 22.724+/-0.002 χ^2/NDF: 20350245.9/118


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 40.8/33
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 76.5/36
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 154.6/70
In: 0.000+/-0.000 χ²/NDF:68.1/56
Out: -0.000+/-0.000 χ²/NDF:145.2/61
All: -0.000+/-0.000 χ²/NDF: 228.8/118



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: 12112880.5/36

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

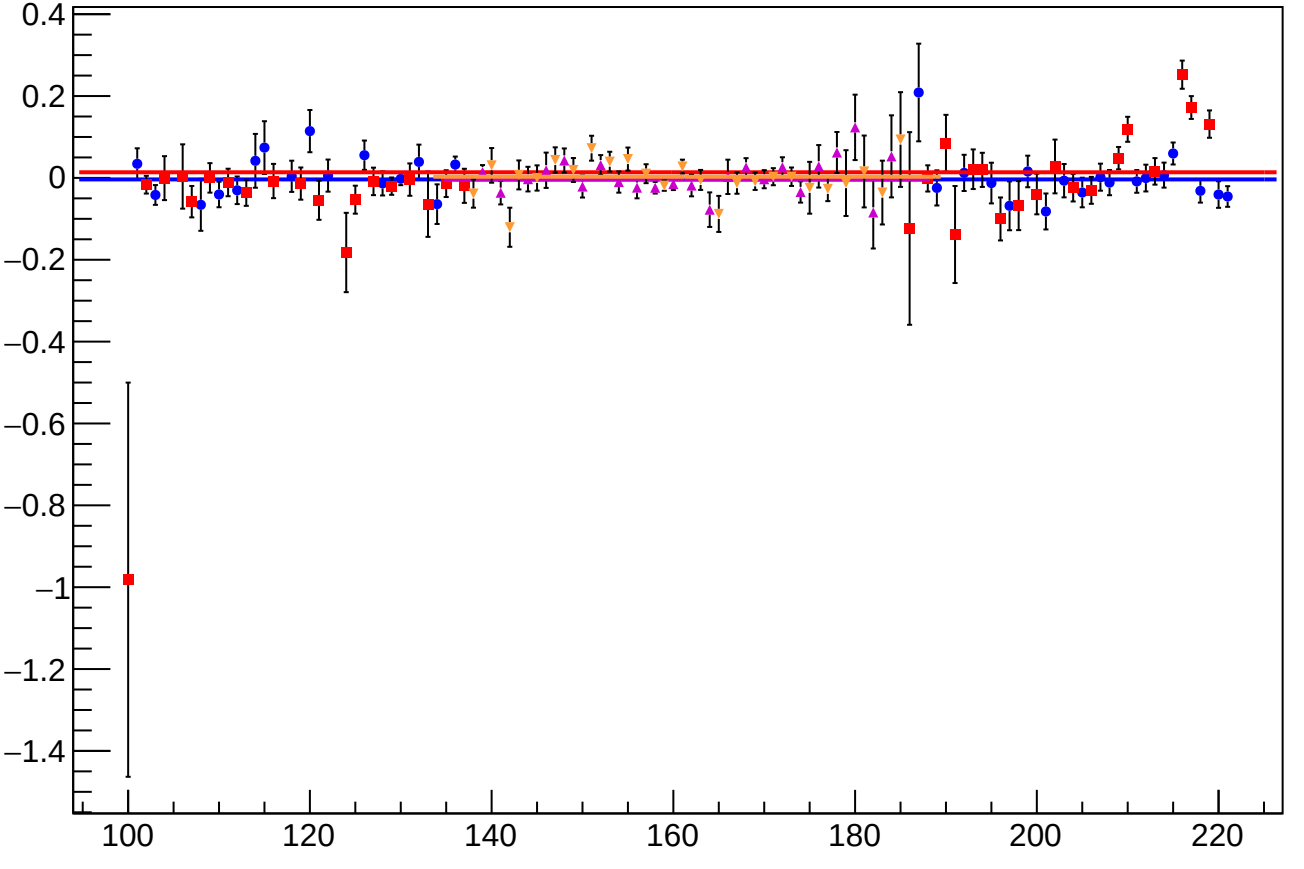
Right: 0.001+/-0.000 χ^2/NDF: 17282577.9/70

In: 0.001+/-0.000 χ^2/NDF:7192049.3/56

Out: 0.001+/-0.000 χ^2/NDF:16945540.1/61

All: 0.001+/-0.000 χ^2/NDF: 24735933.6/118

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: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

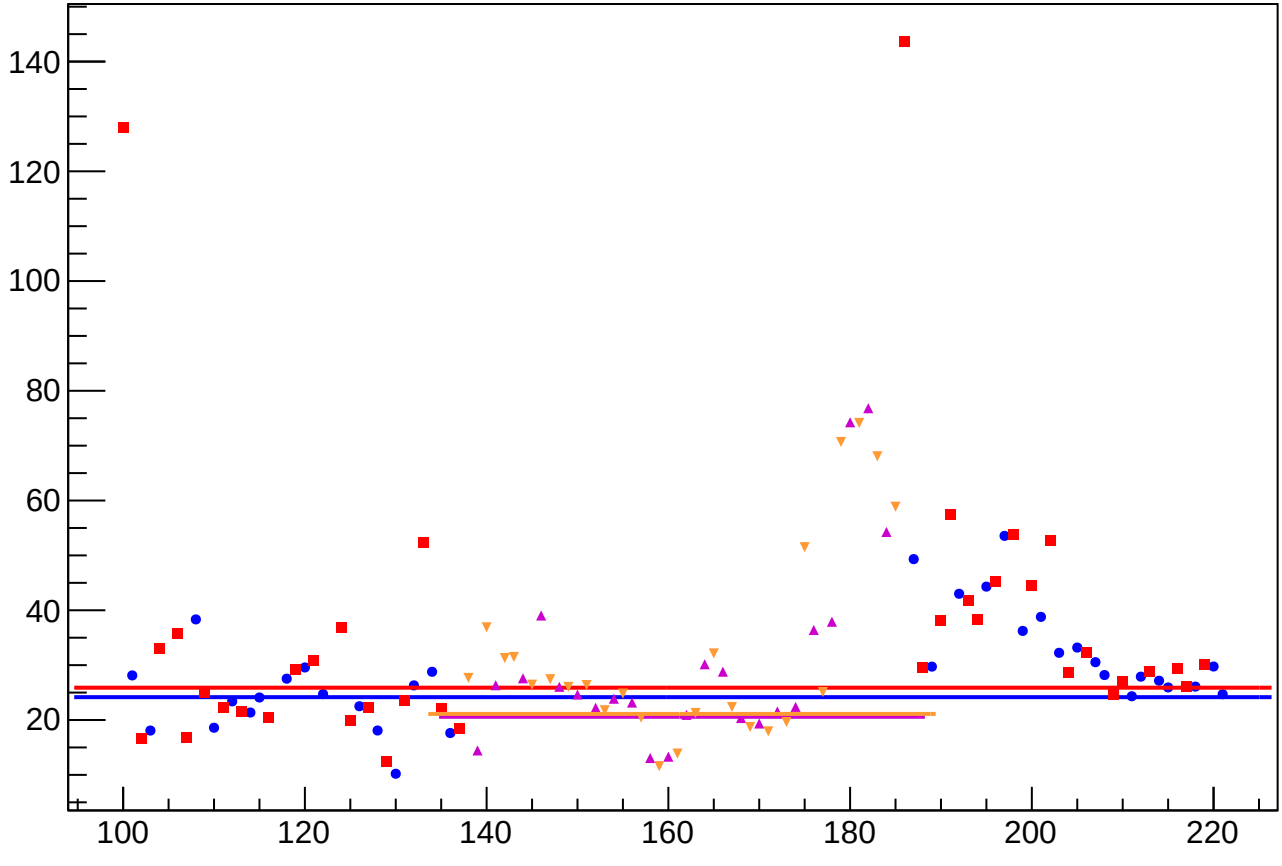
Right: 0.004+/-0.004 χ^2/NDF: 196.1/70

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.002+/-0.003 χ^2/NDF: 255.0/118

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: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

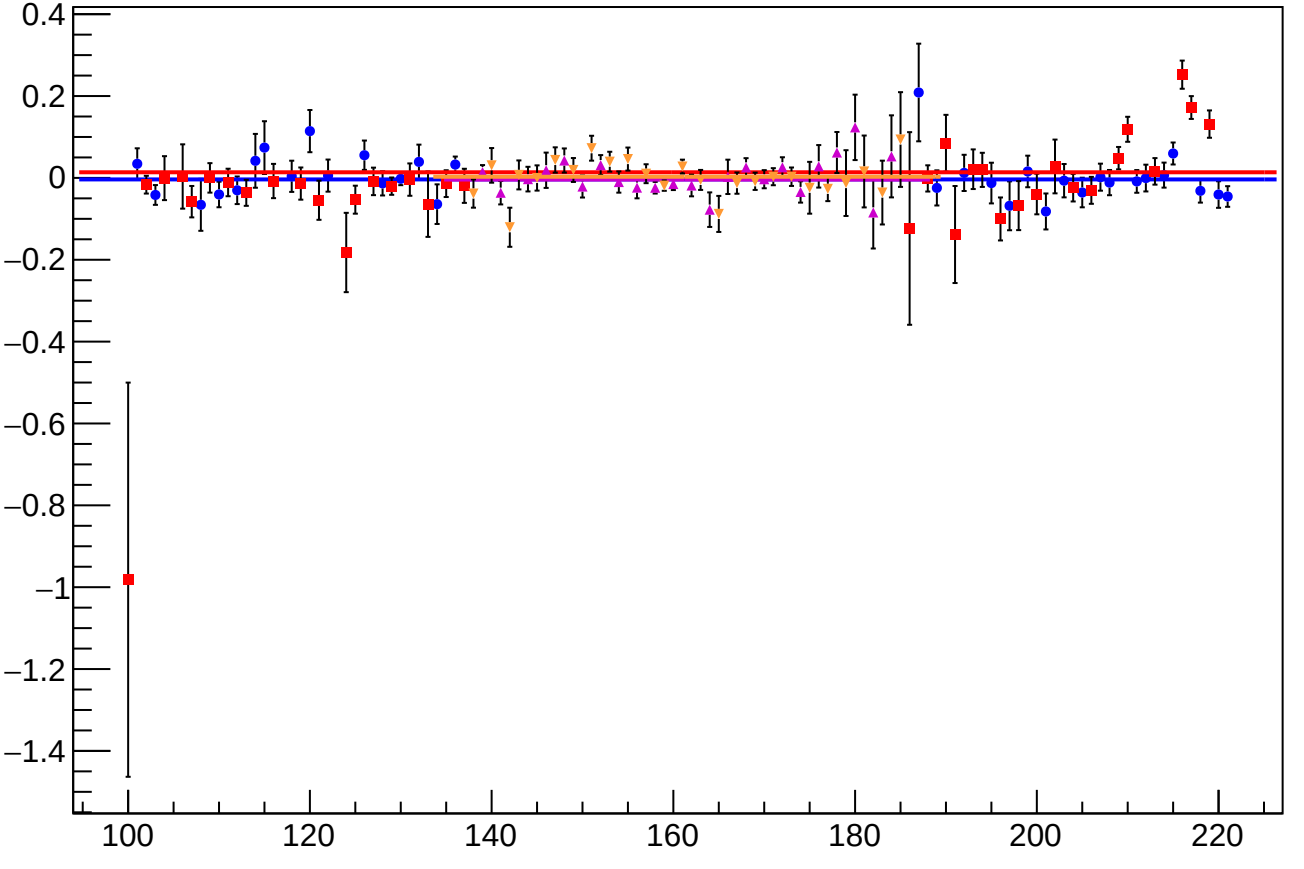
Right: 24.946+/-0.003 χ^2/NDF: 9158316.3/70

In: 22.305+/-0.003 χ^2/NDF:9461933.8/56

Out: 23.183+/-0.003 χ^2/NDF:10840144.5/61

All: 22.724+/-0.002 χ^2/NDF: 20350002.9/118

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: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

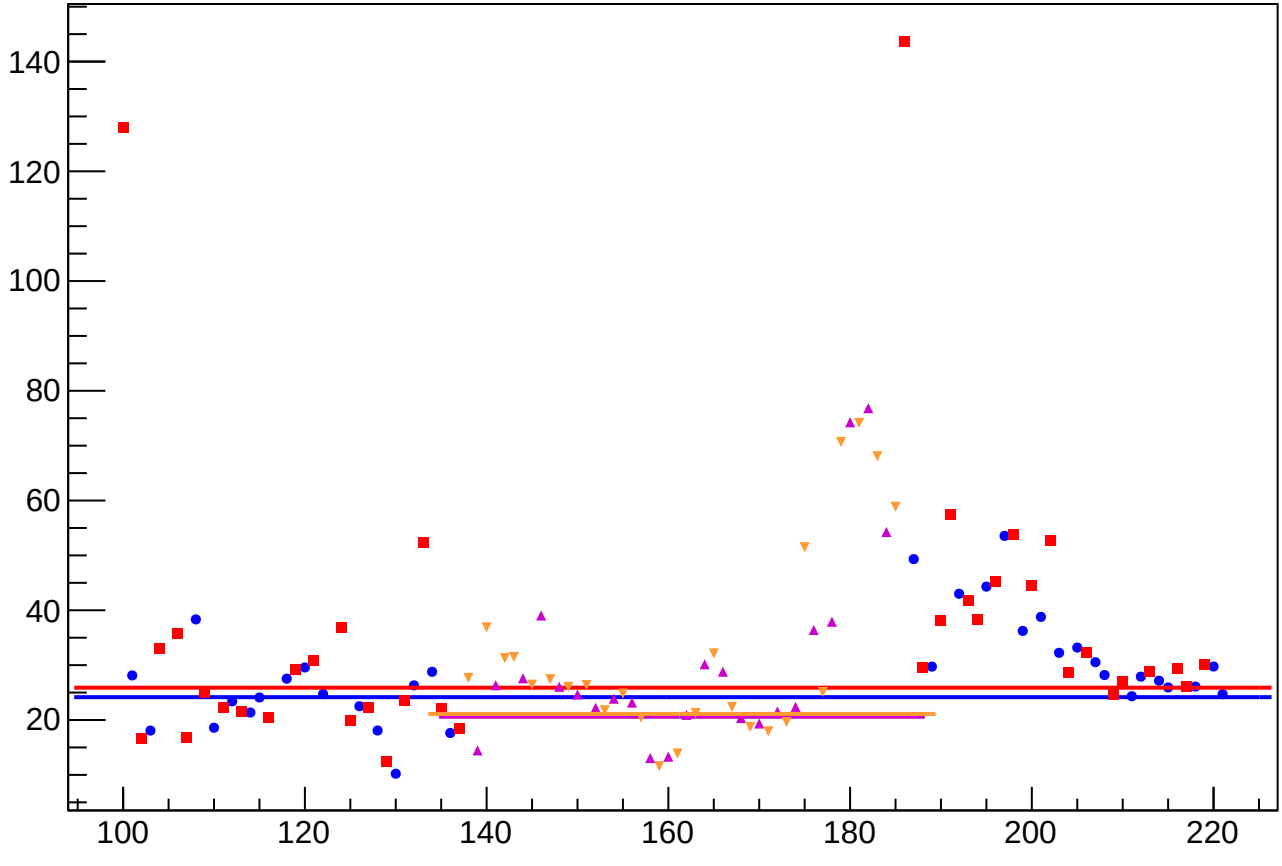
Right: 0.004+/-0.004 χ^2/NDF: 196.1/70

In: -0.004+/-0.004 χ^2/NDF:67.0/56

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.002+/-0.003 χ^2/NDF: 255.0/118

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: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

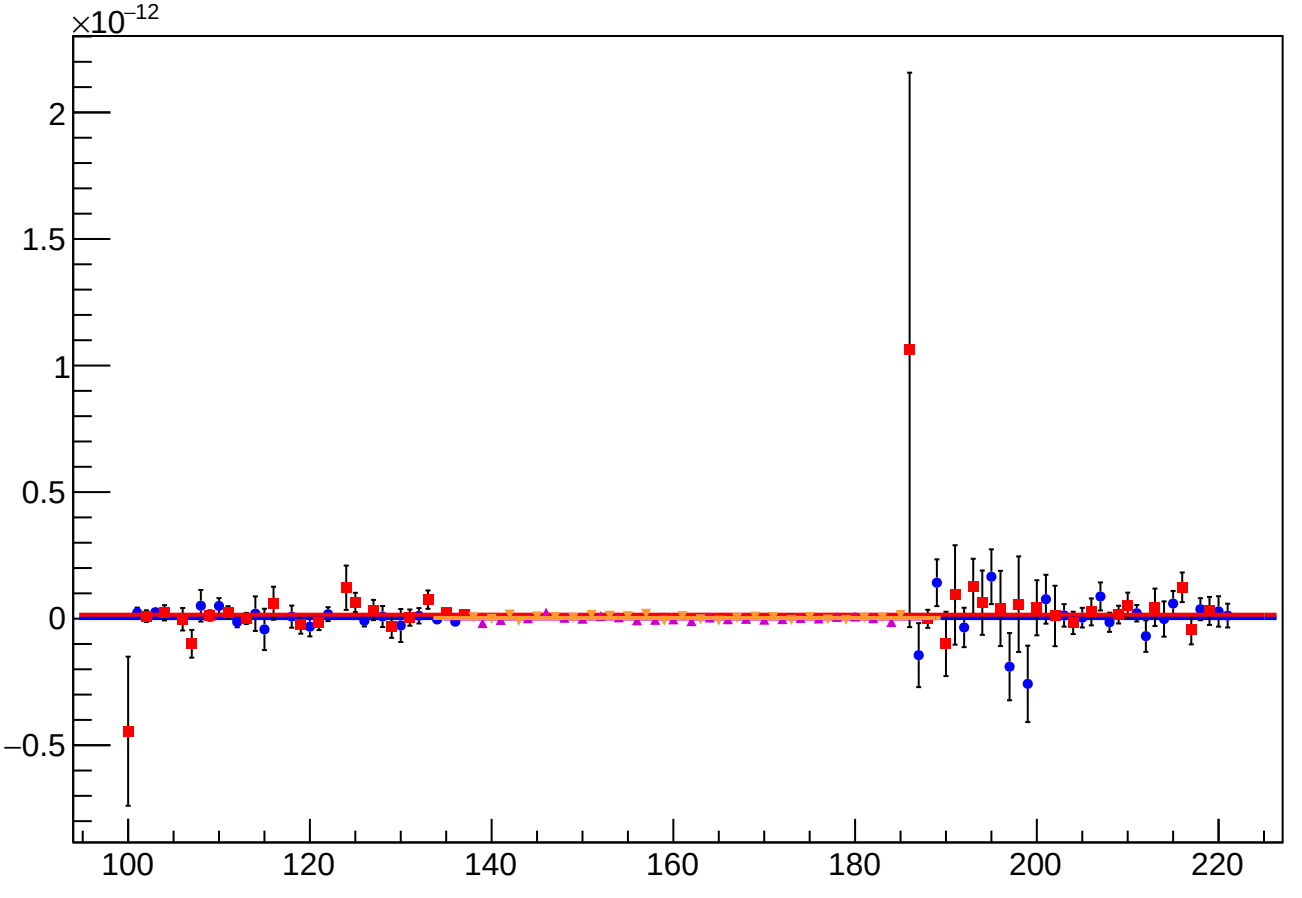
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.946+/-0.003 χ^2/NDF: 9158316.3/70

In: 22.305+/-0.003 χ^2/NDF:9461933.8/56

Out: 23.183+/-0.003 χ^2/NDF:10840144.5/61

All: 22.724+/-0.002 χ^2/NDF: 20350002.9/118



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: 26.8/36

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

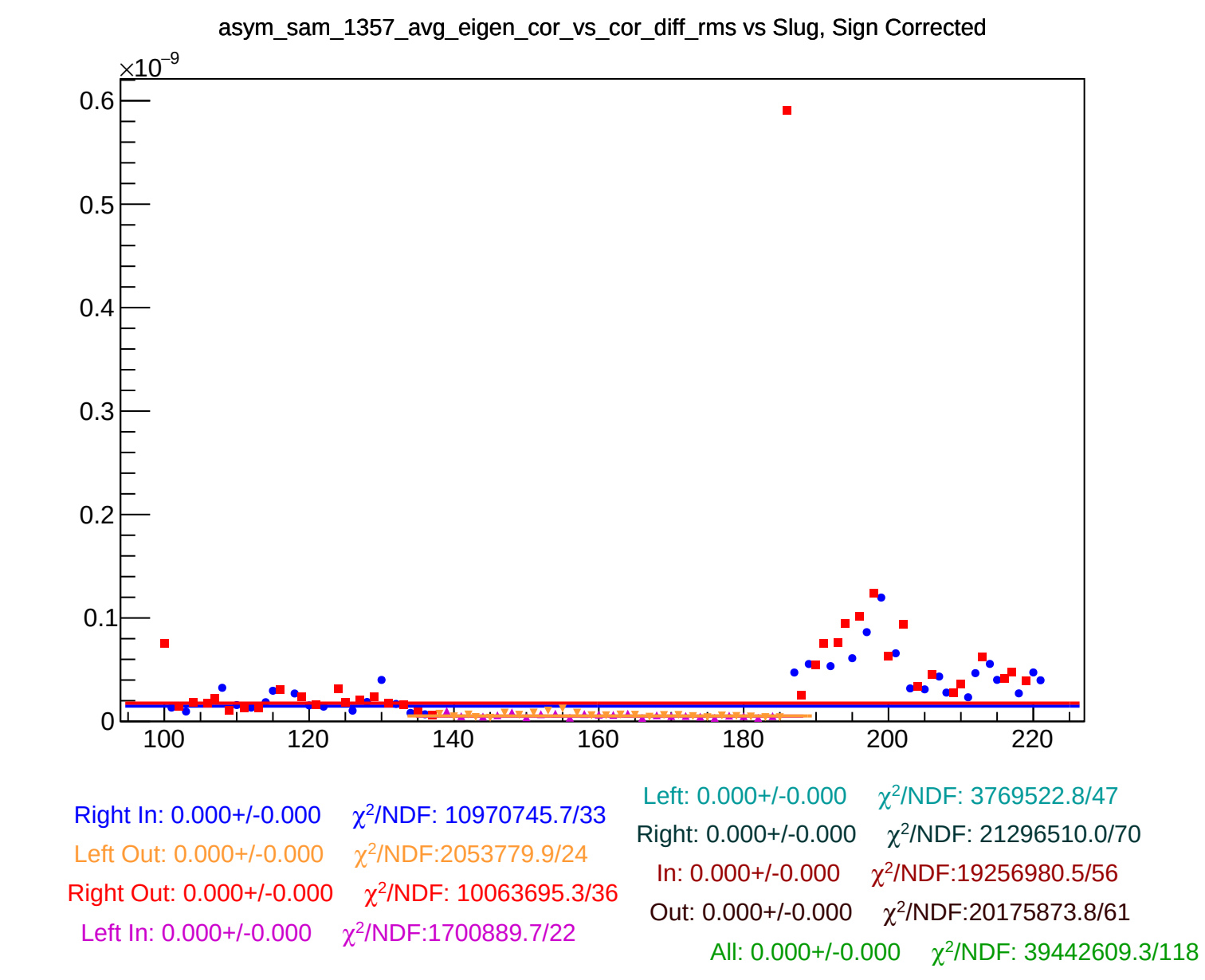
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

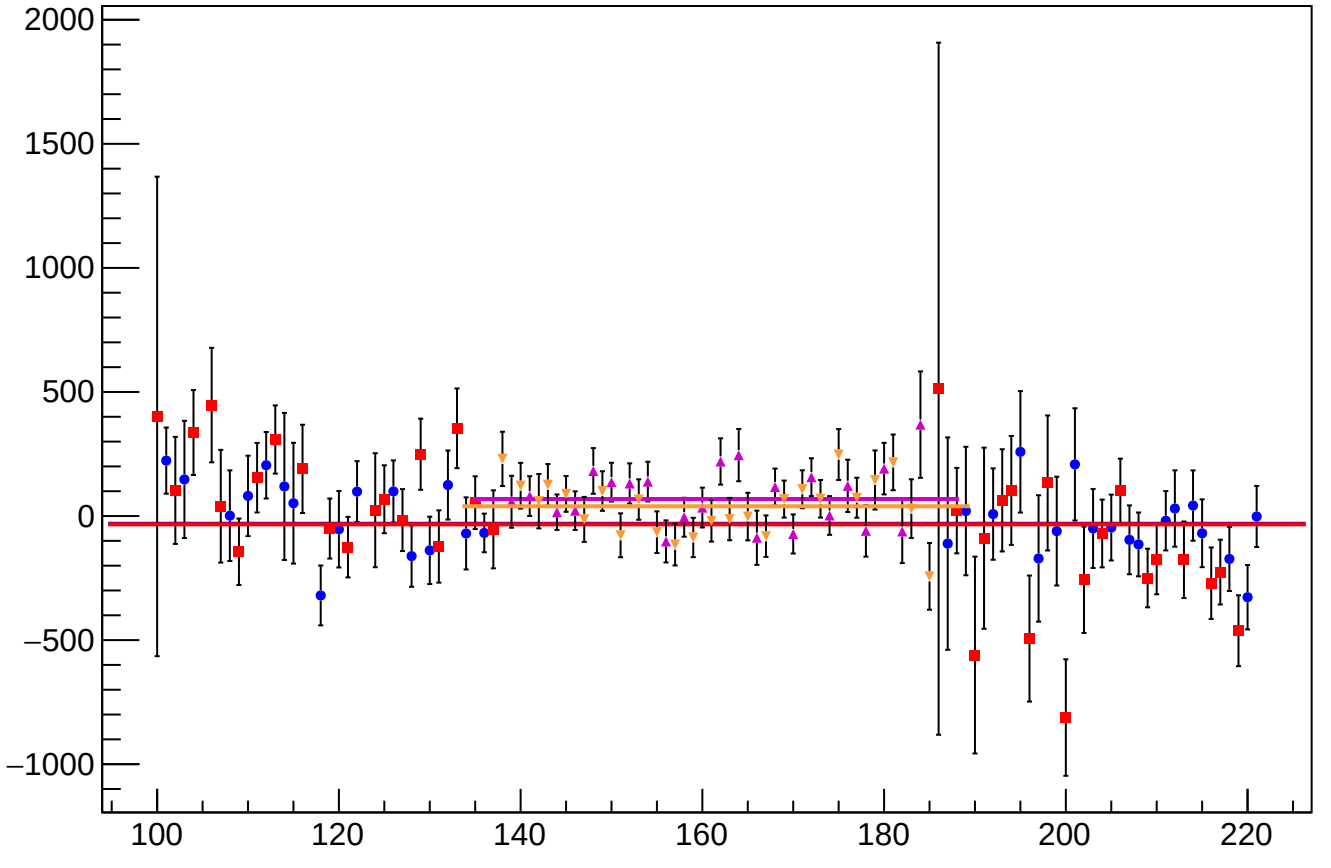
Right: 0.000+/-0.000 χ^2/NDF: 58.7/70

In: 0.000+/-0.000 χ^2/NDF:50.4/56

Out: 0.000+/-0.000 χ^2/NDF:51.9/61

All: 0.000+/-0.000 χ^2/NDF: 103.9/118


asym_sam_1357_avg_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: 10970745.7/33
Left Out: 0.000+/-0.000 χ²/NDF:2053779.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 10063695.3/36
Left In: 0.000+/-0.000 χ²/NDF:1700889.7/22
Left: 0.000+/-0.000 χ²/NDF: 3769522.8/47
Right: 0.000+/-0.000 χ²/NDF: 21296510.0/70
In: 0.000+/-0.000 χ²/NDF:19256980.5/56
Out: 0.000+/-0.000 χ²/NDF:20175873.8/61
All: 0.000+/-0.000 χ²/NDF: 39442609.3/118



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: -33.492+/-26.571 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

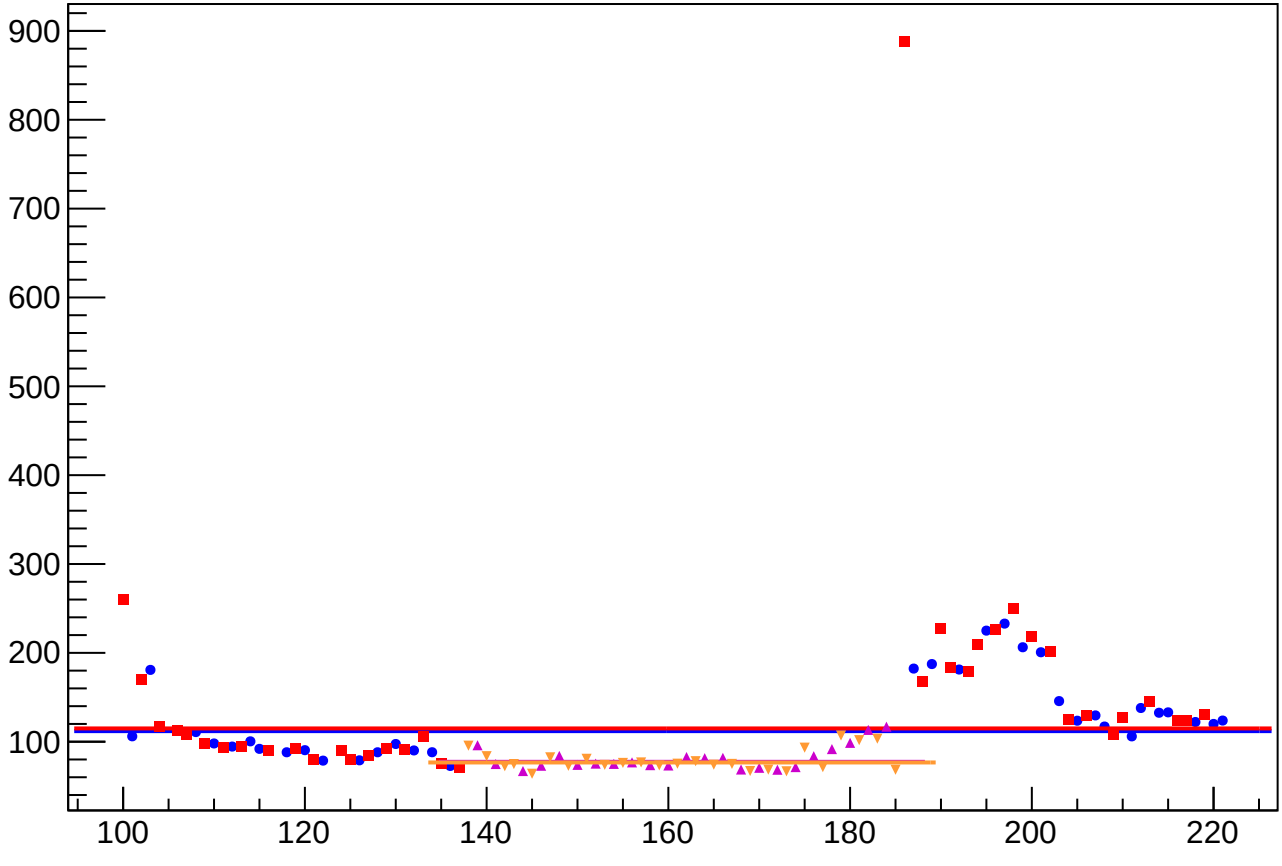
Right: -32.237+/-18.261 χ^2/NDF: 100.7/70

In: 34.032+/-14.804 χ^2/NDF:69.3/56

Out: 17.110+/-14.711 χ^2/NDF:107.8/61

All: 25.518+/-10.435 χ^2/NDF: 177.8/118

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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: 114.944+/-0.019 χ^2/NDF: 4767744.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

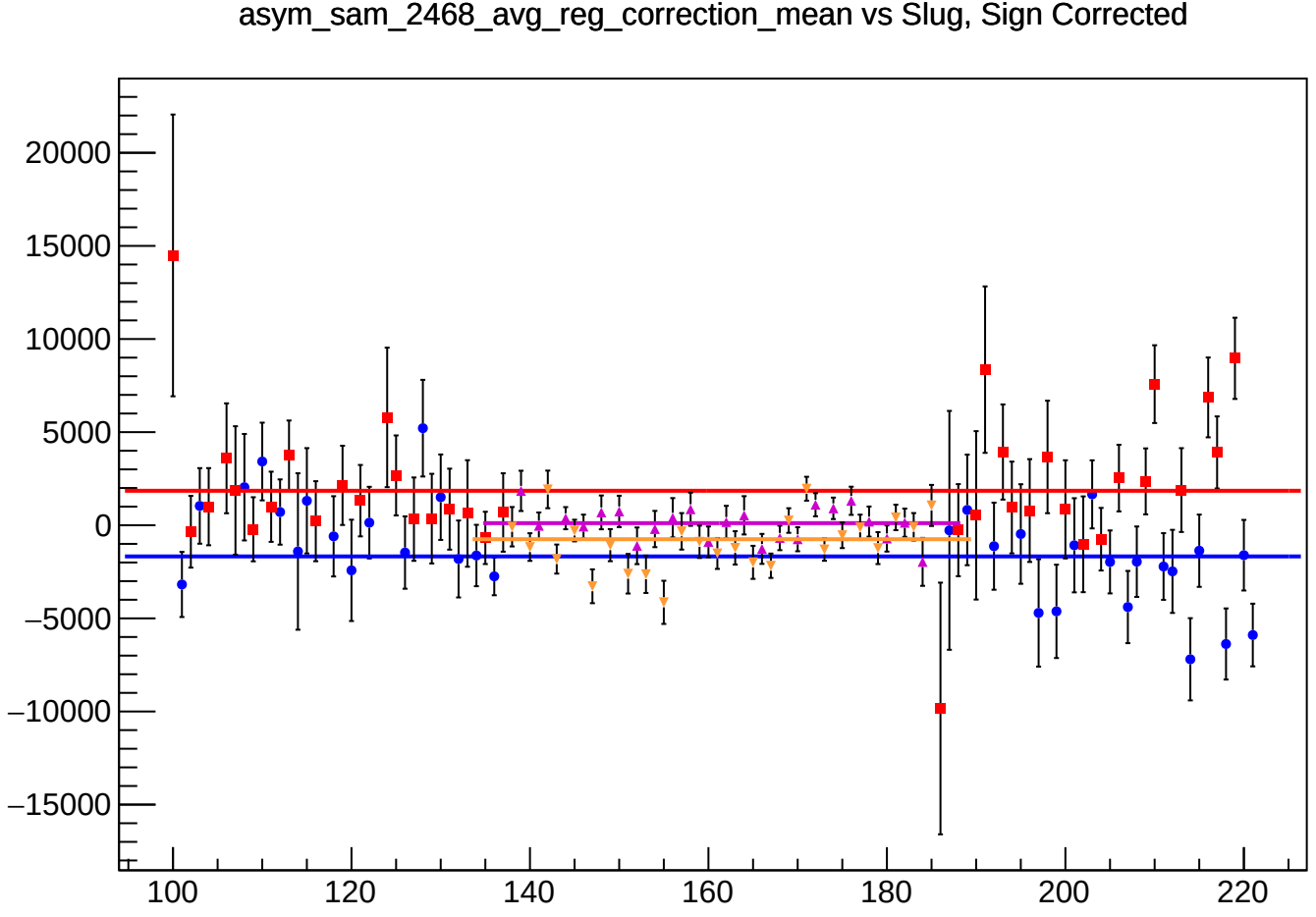
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 113.340+/-0.013 χ^2/NDF: 8525167.2/70

In: 89.333+/-0.010 χ^2/NDF:6802765.0/56

Out: 88.386+/-0.010 χ^2/NDF:8303457.2/61

All: 88.856+/-0.007 χ^2/NDF: 15110340.6/118



Right In: -1673.354+/-349.075 χ^2/NDF: 52.2/33

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1852.153+/-369.982 χ^2/NDF: 50.0/36

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

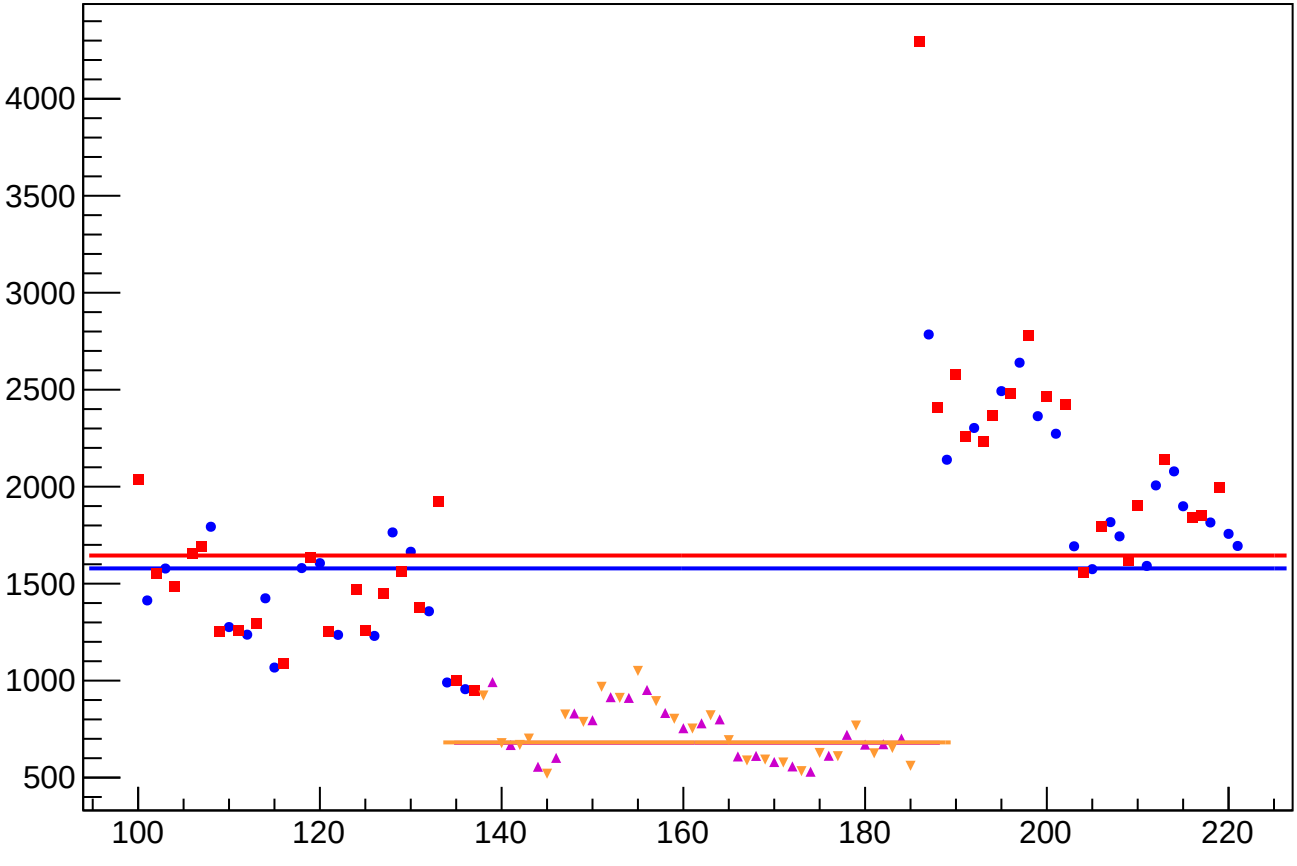
Right: -13.024+/-253.903 χ^2/NDF: 150.3/70

In: -202.285+/-146.804 χ^2/NDF:98.9/56

Out: -347.990+/-145.368 χ^2/NDF:161.8/61

All: -275.854+/-103.295 χ^2/NDF: 261.2/118

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1578.630+/-0.247 χ^2/NDF: 2912687.6/33

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1645.048+/-0.262 χ^2/NDF: 3253496.5/36

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

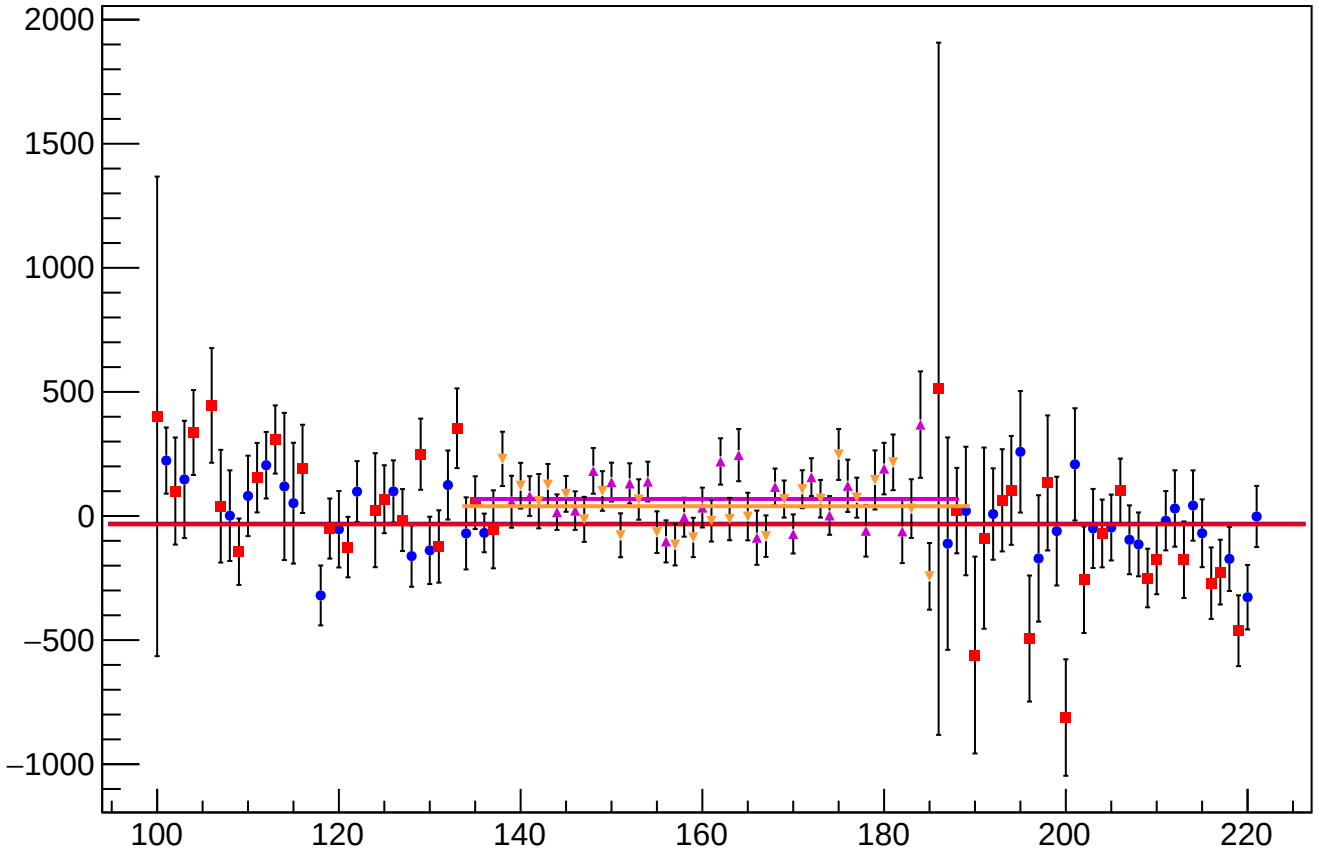
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1609.909+/-0.180 χ^2/NDF: 6200282.9/70

In: 838.453+/-0.104 χ^2/NDF:15022236.3/56

Out: 830.185+/-0.103 χ^2/NDF:16060220.6/61

All: 834.278+/-0.073 χ^2/NDF: 31085659.9/1



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: -33.580+/-26.572 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

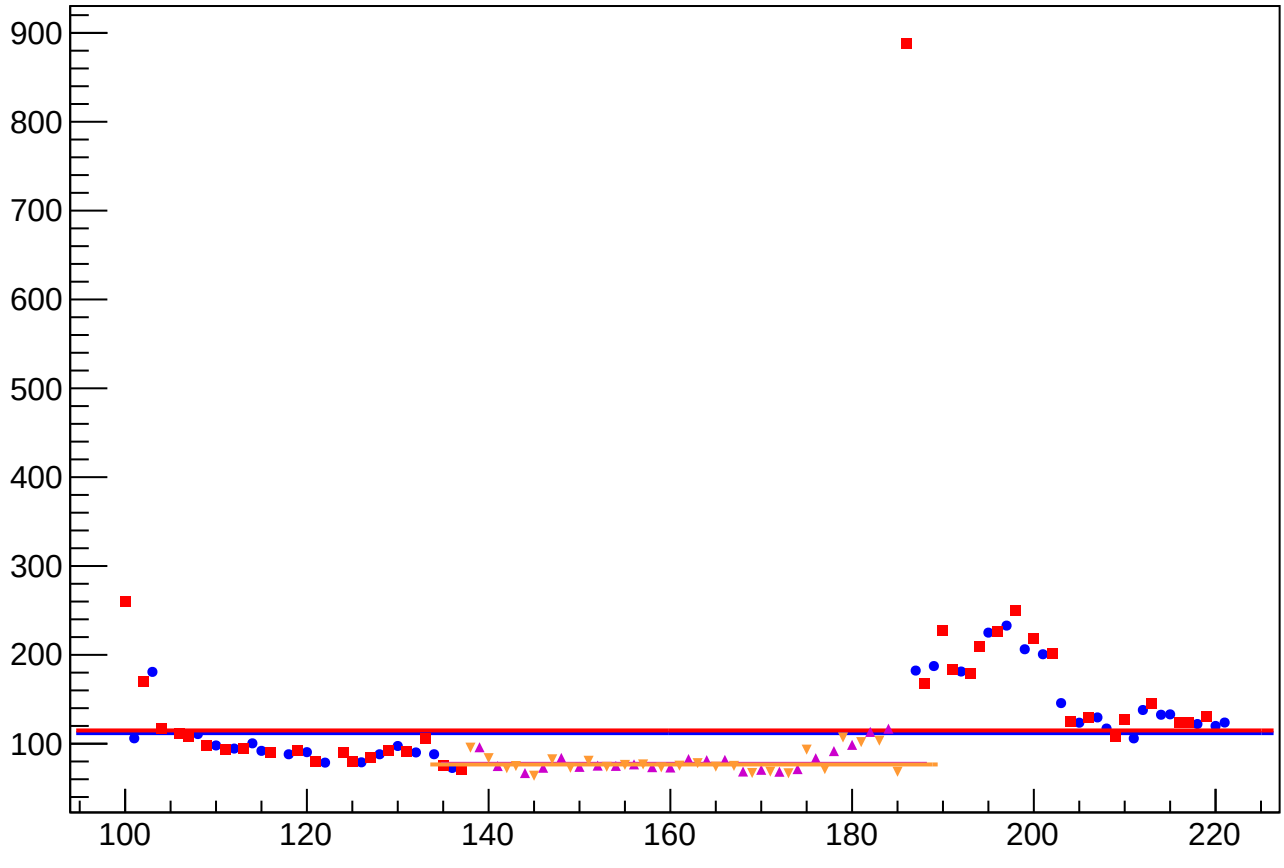
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -32.282+/-18.261 χ^2/NDF: 100.6/70

In: 34.029+/-14.804 χ^2/NDF:69.3/56

Out: 17.089+/-14.712 χ^2/NDF:107.8/61

All: 25.506+/-10.435 χ^2/NDF: 177.8/118



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: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

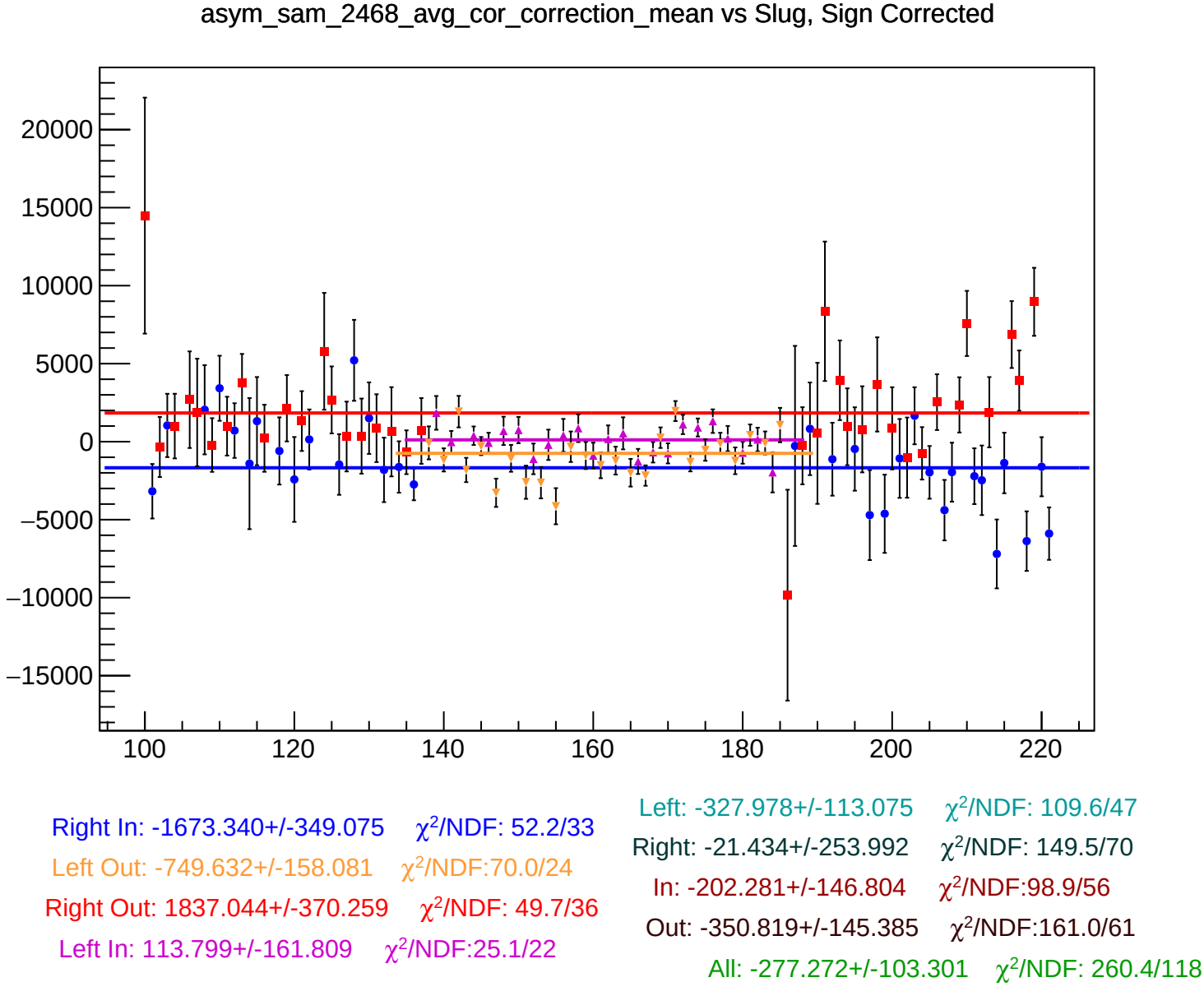
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

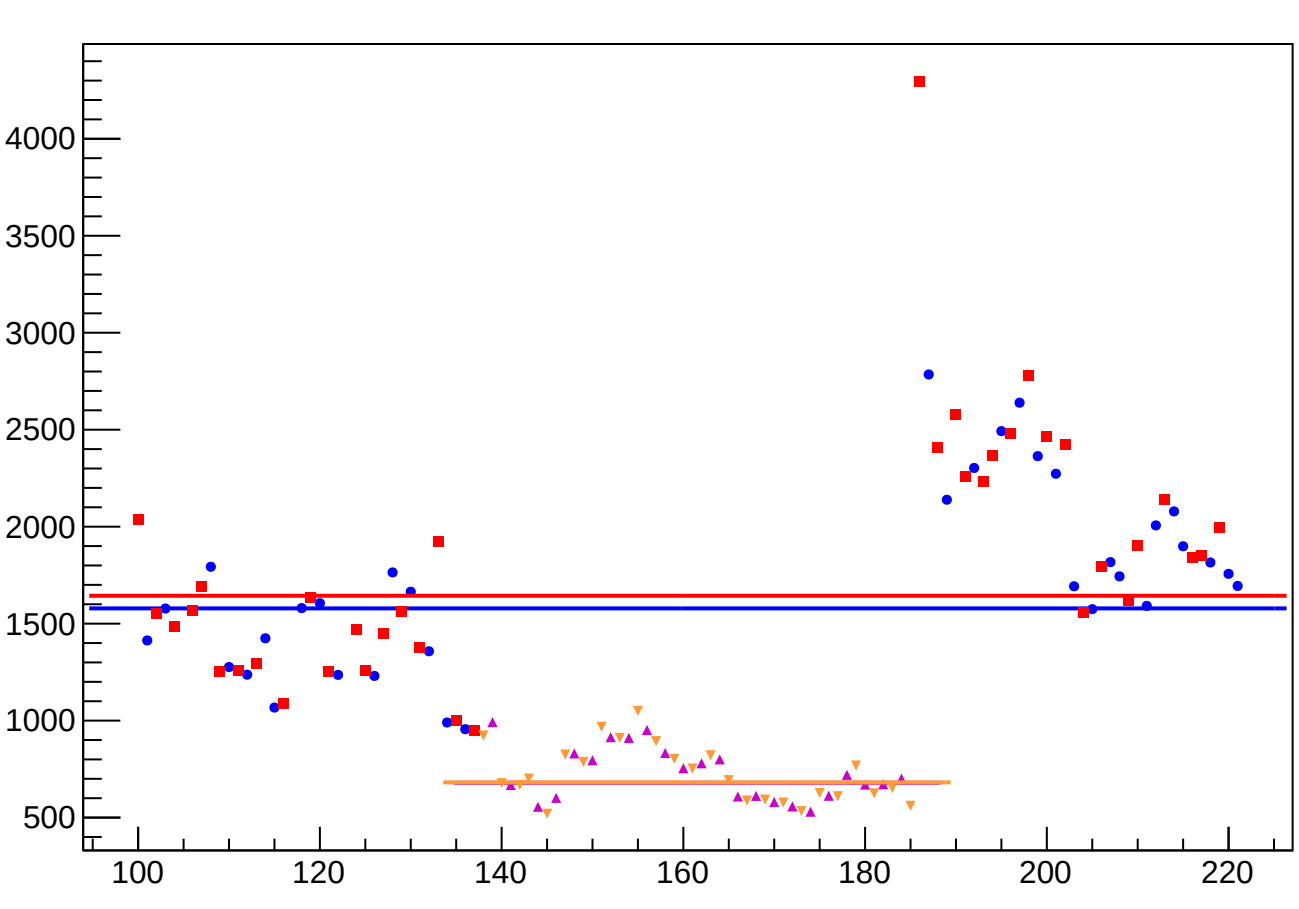
Right: 113.332+/-0.013 χ^2/NDF: 8525538.3/70

In: 89.333+/-0.010 χ^2/NDF:6802768.6/56

Out: 88.380+/-0.010 χ^2/NDF:8301295.7/61

All: 88.853+/-0.007 χ^2/NDF: 15108232.6/118


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1673.340+/-349.075 χ²/NDF: 52.2/33
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1837.044+/-370.259 χ²/NDF: 49.7/36
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: -21.434+/-253.992 χ²/NDF: 149.5/70
In: -202.281+/-146.804 χ²/NDF:98.9/56
Out: -350.819+/-145.385 χ²/NDF:161.0/61
All: -277.272+/-103.301 χ²/NDF: 260.4/118



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: 1643.839+/-0.262 χ^2/NDF: 3254559.4/36

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

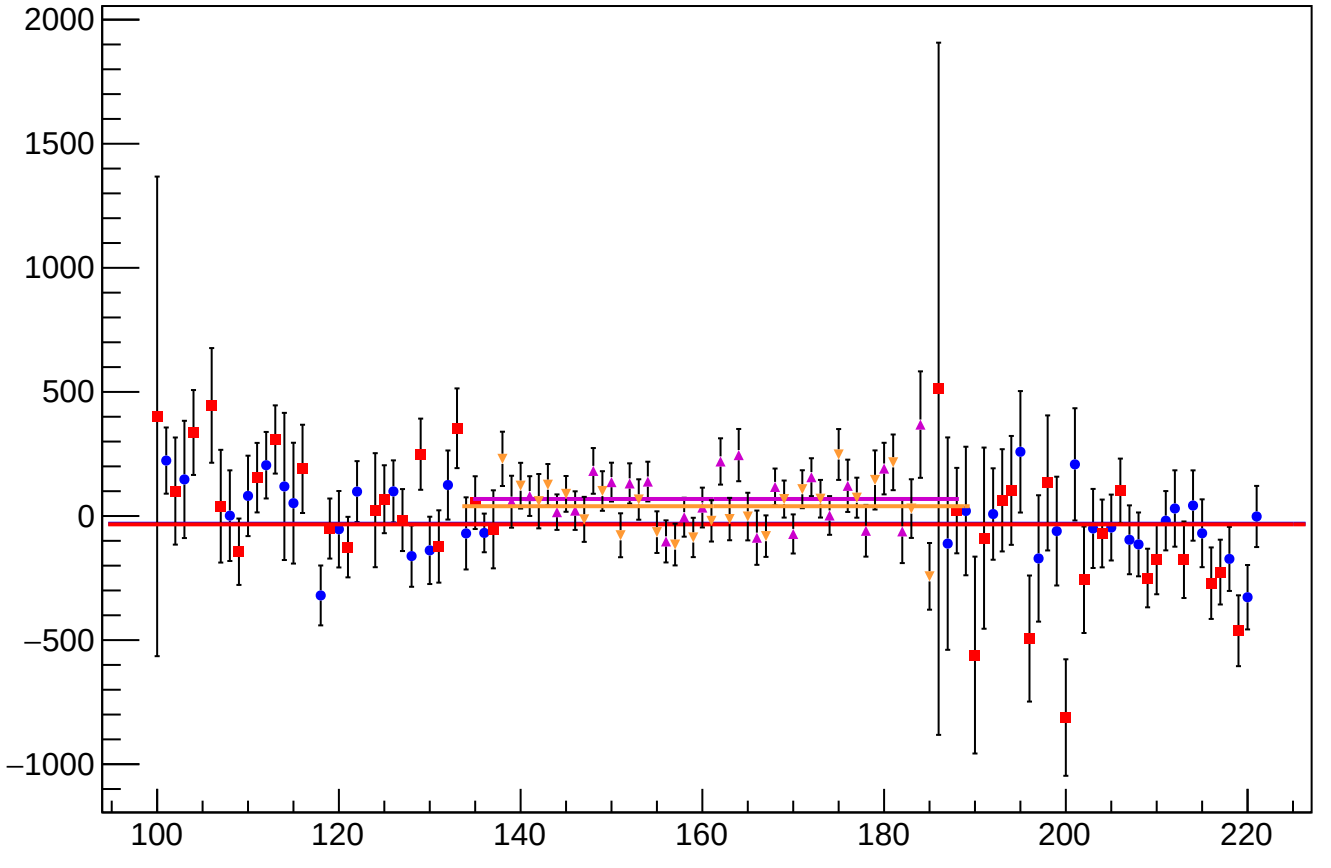
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1609.317+/-0.180 χ^2/NDF: 6200093.4/70

In: 838.453+/-0.104 χ^2/NDF:15022270.6/56

Out: 829.811+/-0.103 χ^2/NDF:16018109.3/61

All: 834.090+/-0.073 χ^2/NDF: 31043879.1/1



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: -33.580+/-26.572 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

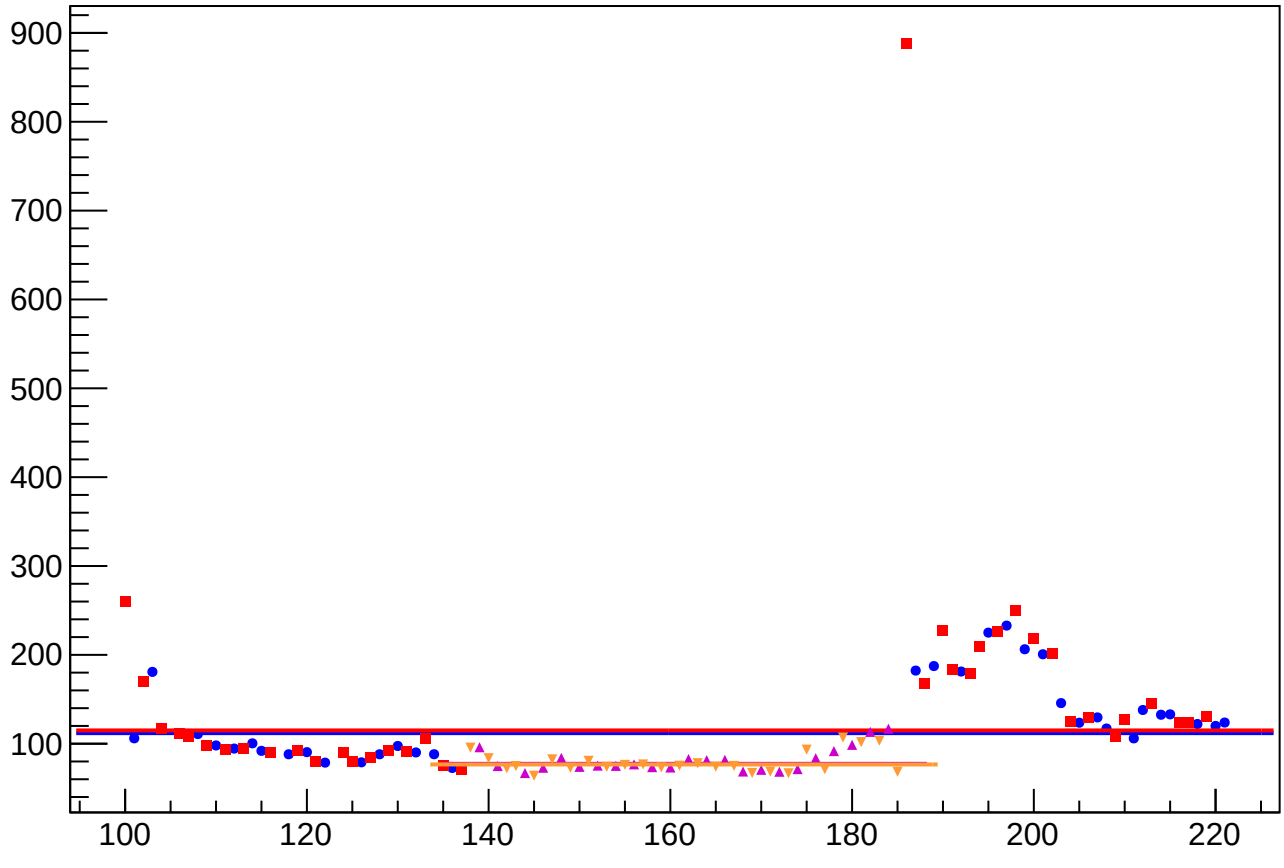
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -32.282+/-18.261 χ^2/NDF: 100.6/70

In: 34.029+/-14.804 χ^2/NDF:69.3/56

Out: 17.089+/-14.712 χ^2/NDF:107.8/61

All: 25.506+/-10.435 χ^2/NDF: 177.8/118



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: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

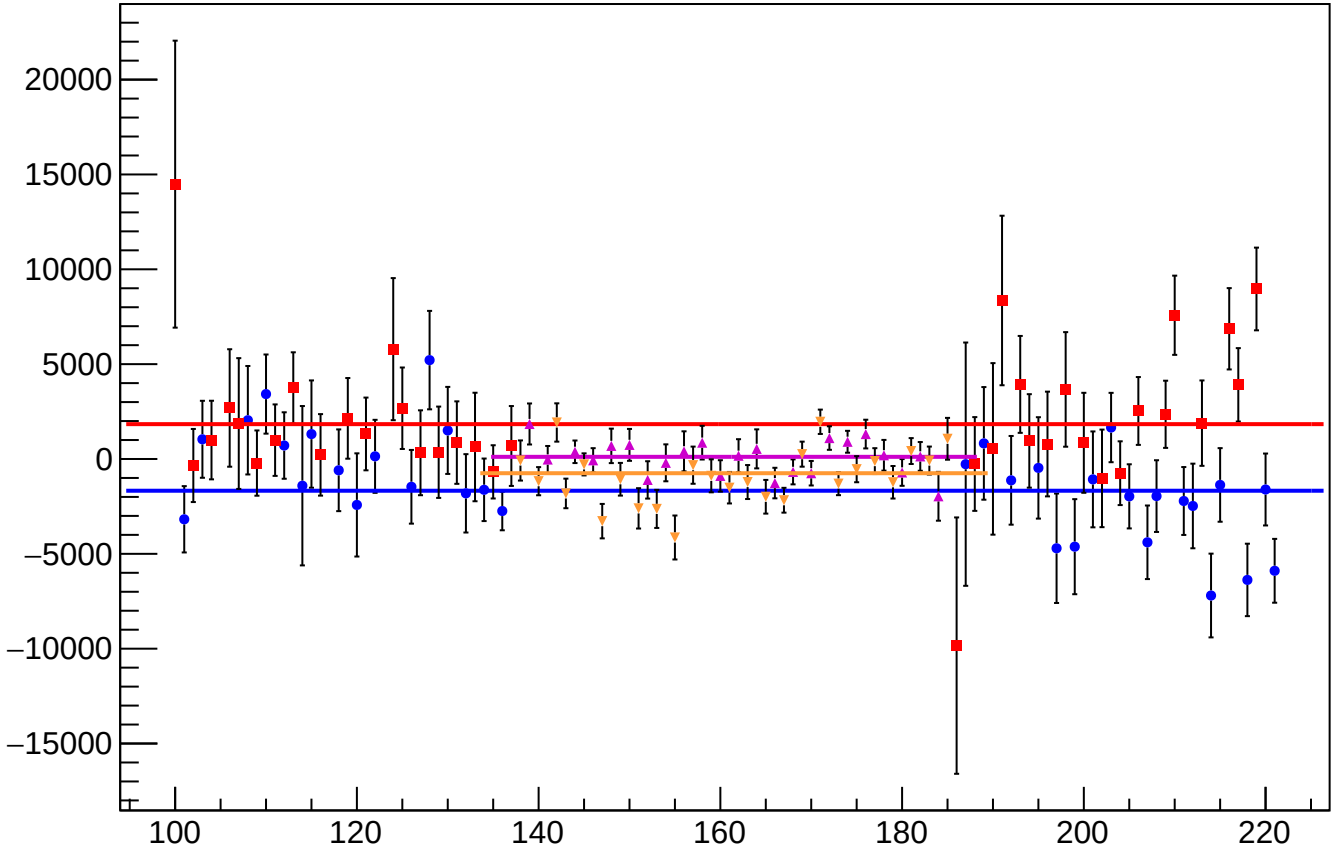
Right: 113.332+/-0.013 χ^2/NDF: 8525538.3/70

In: 89.333+/-0.010 χ^2/NDF:6802768.6/56

Out: 88.380+/-0.010 χ^2/NDF:8301295.7/61

All: 88.853+/-0.007 χ^2/NDF: 15108232.6/118

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1837.044+/-370.259 χ^2/NDF: 49.7/36

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

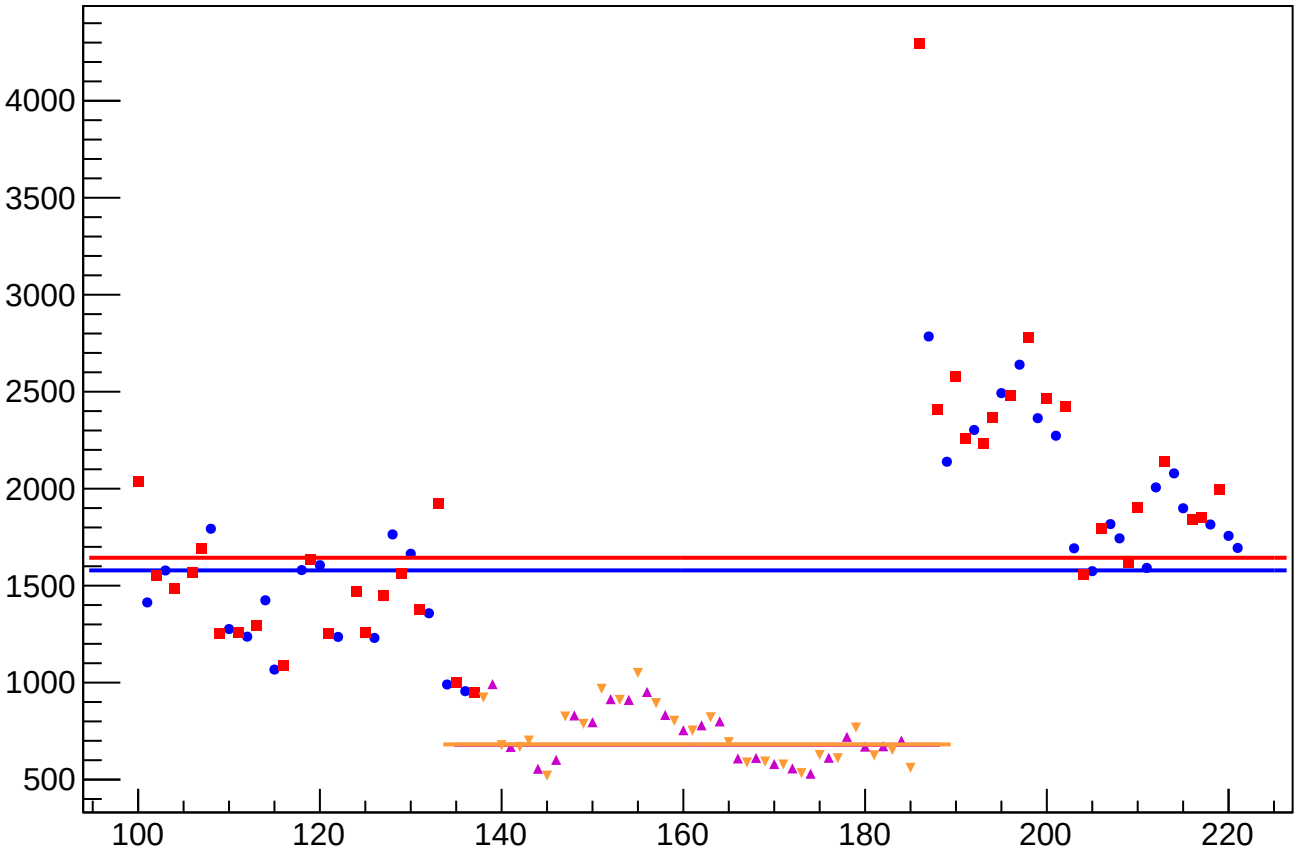
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: -21.434+/-253.992 χ^2/NDF: 149.5/70

In: -202.281+/-146.804 χ^2/NDF:98.9/56

Out: -350.819+/-145.385 χ^2/NDF:161.0/61

All: -277.272+/-103.301 χ^2/NDF: 260.4/118



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: 1643.839+/-0.262 χ^2/NDF: 3254559.4/36

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

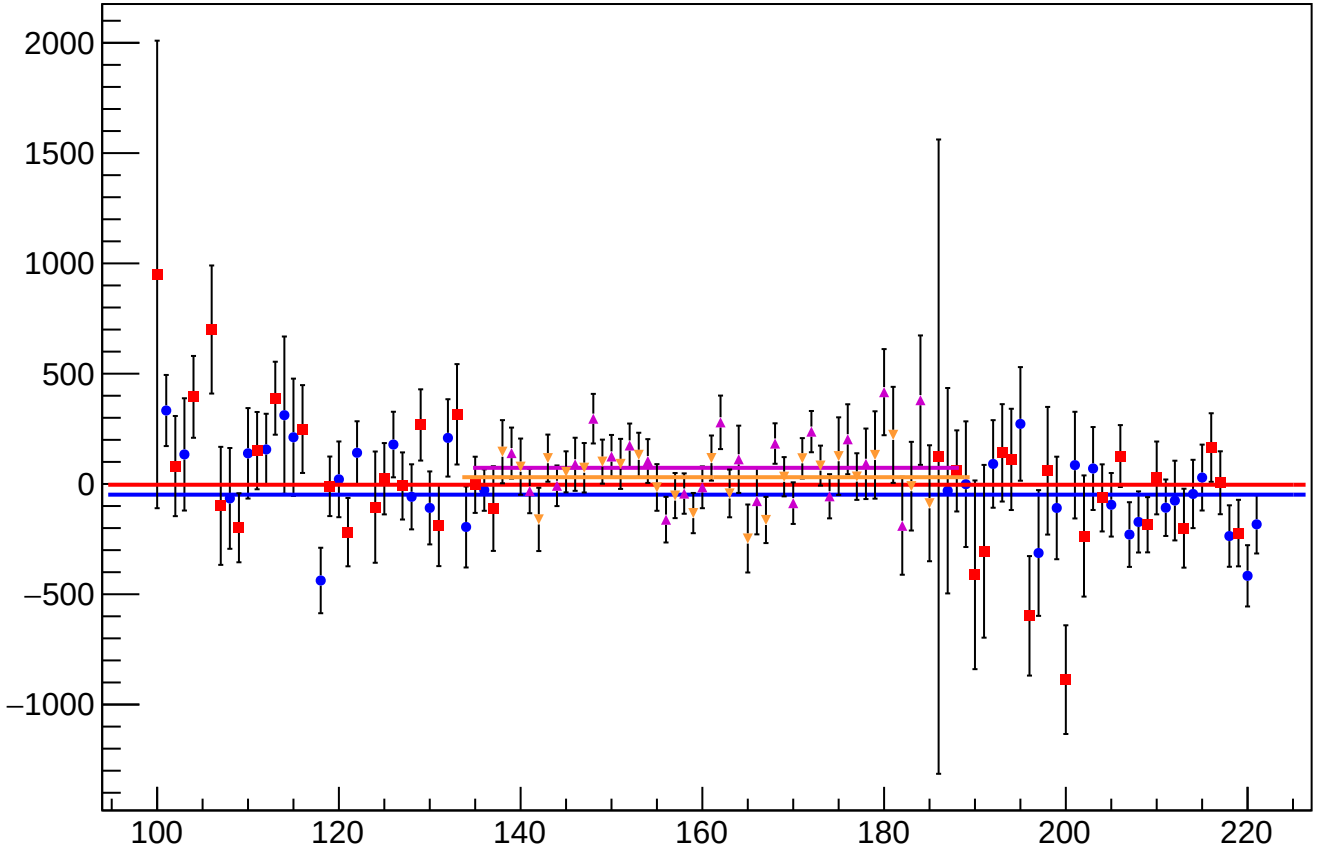
Right: 1609.317+/-0.180 χ^2/NDF: 6200093.4/70

In: 838.453+/-0.104 χ^2/NDF:15022270.6/56

Out: 829.811+/-0.103 χ^2/NDF:16018109.3/61

All: 834.090+/-0.073 χ^2/NDF: 31043879.1/1

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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: -3.527+/-30.471 χ^2/NDF: 57.7/36

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

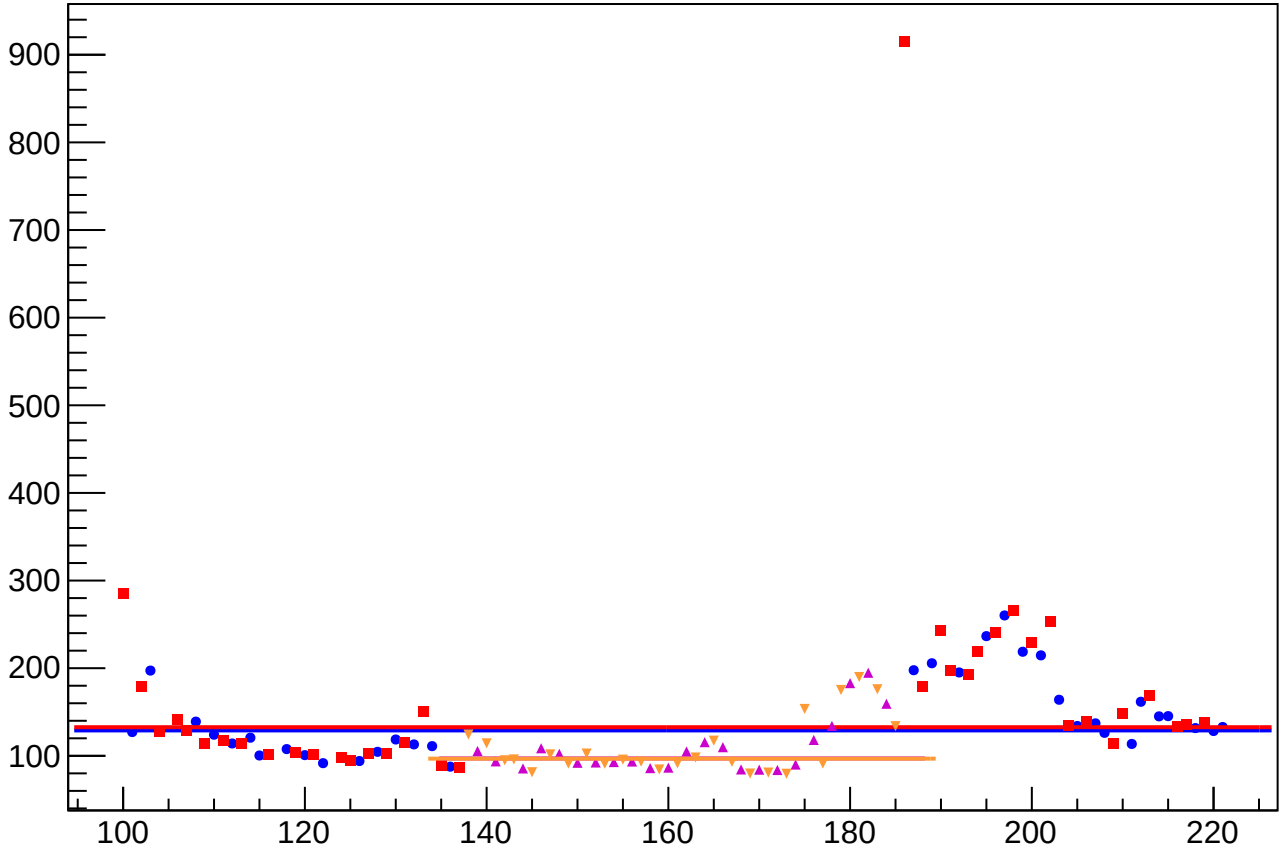
Right: -27.301+/-20.922 χ^2/NDF: 100.0/70

In: 24.451+/-18.207 χ^2/NDF:86.4/56

Out: 18.367+/-18.284 χ^2/NDF:78.5/61

All: 21.422+/-12.901 χ^2/NDF: 164.9/118

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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: 132.664+/-0.022 χ^2/NDF: 4022392.8/36

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

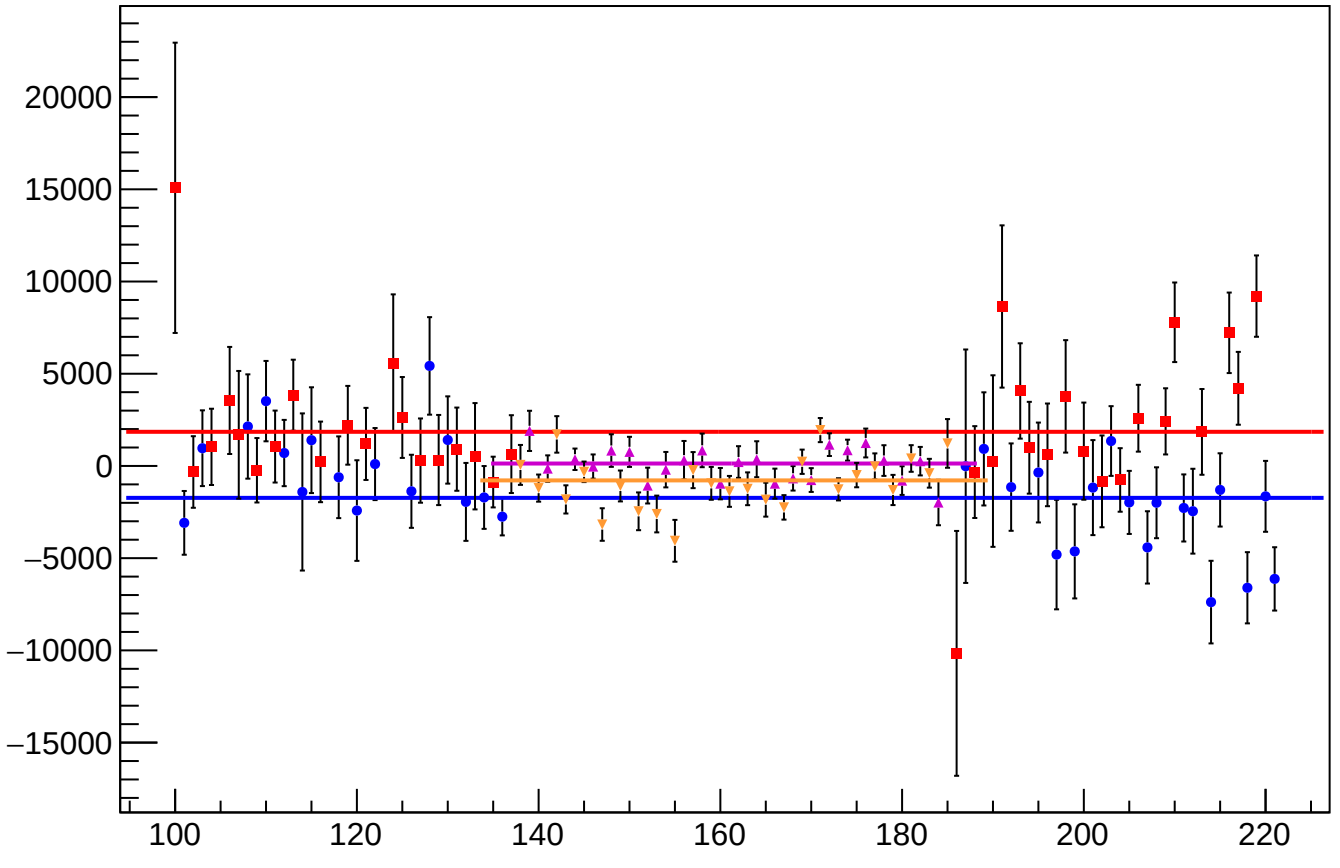
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.730+/-0.015 χ^2/NDF: 7009361.2/70

In: 109.821+/-0.013 χ^2/NDF:5774958.0/56

Out: 109.709+/-0.013 χ^2/NDF:7516411.3/61

All: 109.765+/-0.009 χ^2/NDF: 13291407.0/11



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: 1851.340+/-374.313 χ^2/NDF: 52.6/36

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

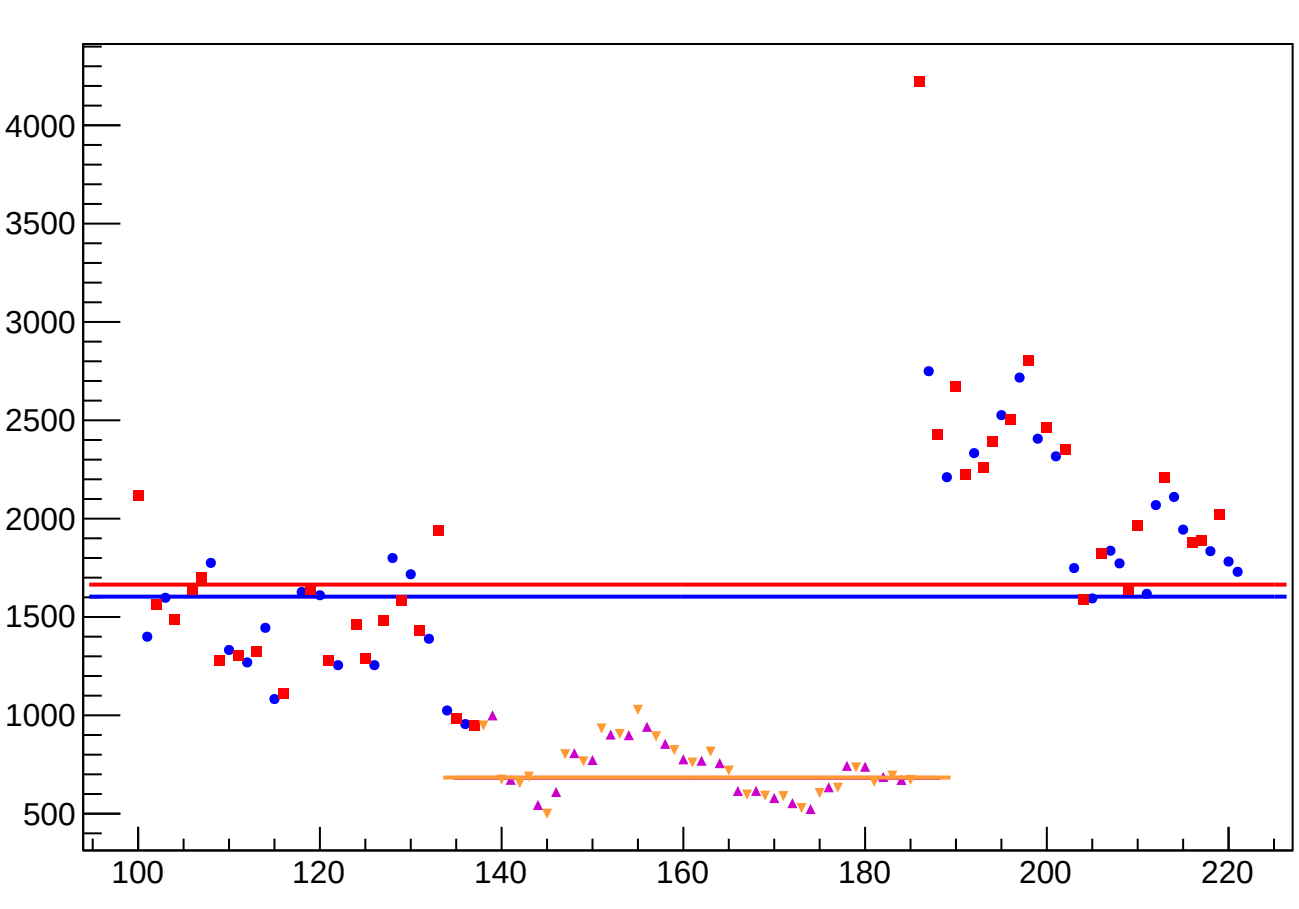
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: -35.884+/-257.466 χ^2/NDF: 152.9/70

In: -191.316+/-147.666 χ^2/NDF:99.1/56

Out: -383.846+/-145.820 χ^2/NDF:161.0/61

All: -288.792+/-103.757 χ^2/NDF: 260.9/118



Right In: 1603.436+/-0.251 χ^2/NDF: 2966976.4/33

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1664.670+/-0.265 χ^2/NDF: 3256020.7/36

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

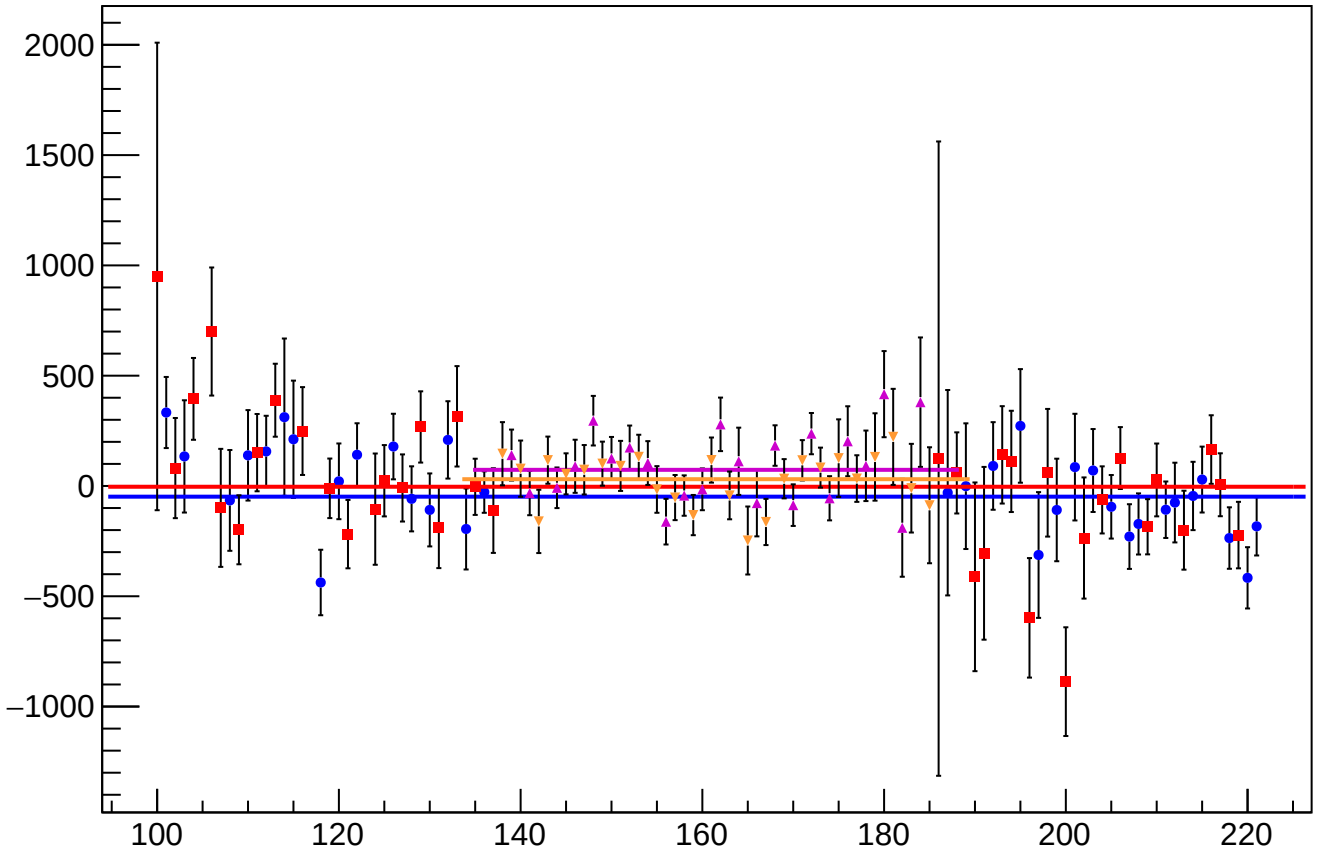
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1632.407+/-0.182 χ^2/NDF: 6251197.6/70

In: 841.667+/-0.104 χ^2/NDF:15311767.8/56

Out: 832.573+/-0.103 χ^2/NDF:16205701.9/61

All: 837.063+/-0.073 χ^2/NDF: 31521310.4/1



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: -3.530+/-30.471 χ^2/NDF: 57.7/36

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

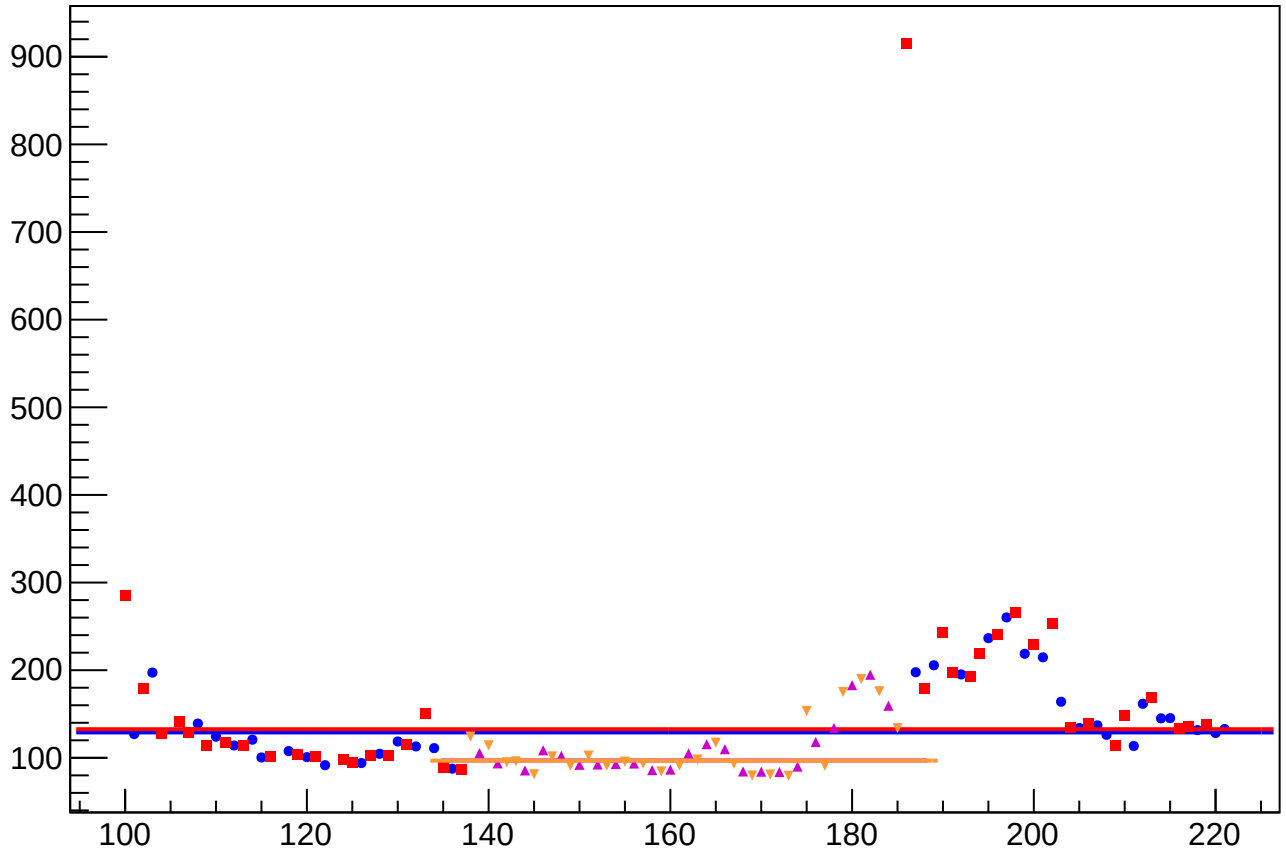
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -27.300+/-20.922 χ^2/NDF: 100.0/70

In: 24.452+/-18.207 χ^2/NDF:86.4/56

Out: 18.366+/-18.284 χ^2/NDF:78.5/61

All: 21.422+/-12.901 χ^2/NDF: 164.9/118



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: 132.664+/-0.022 χ^2/NDF: 4022423.4/36

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

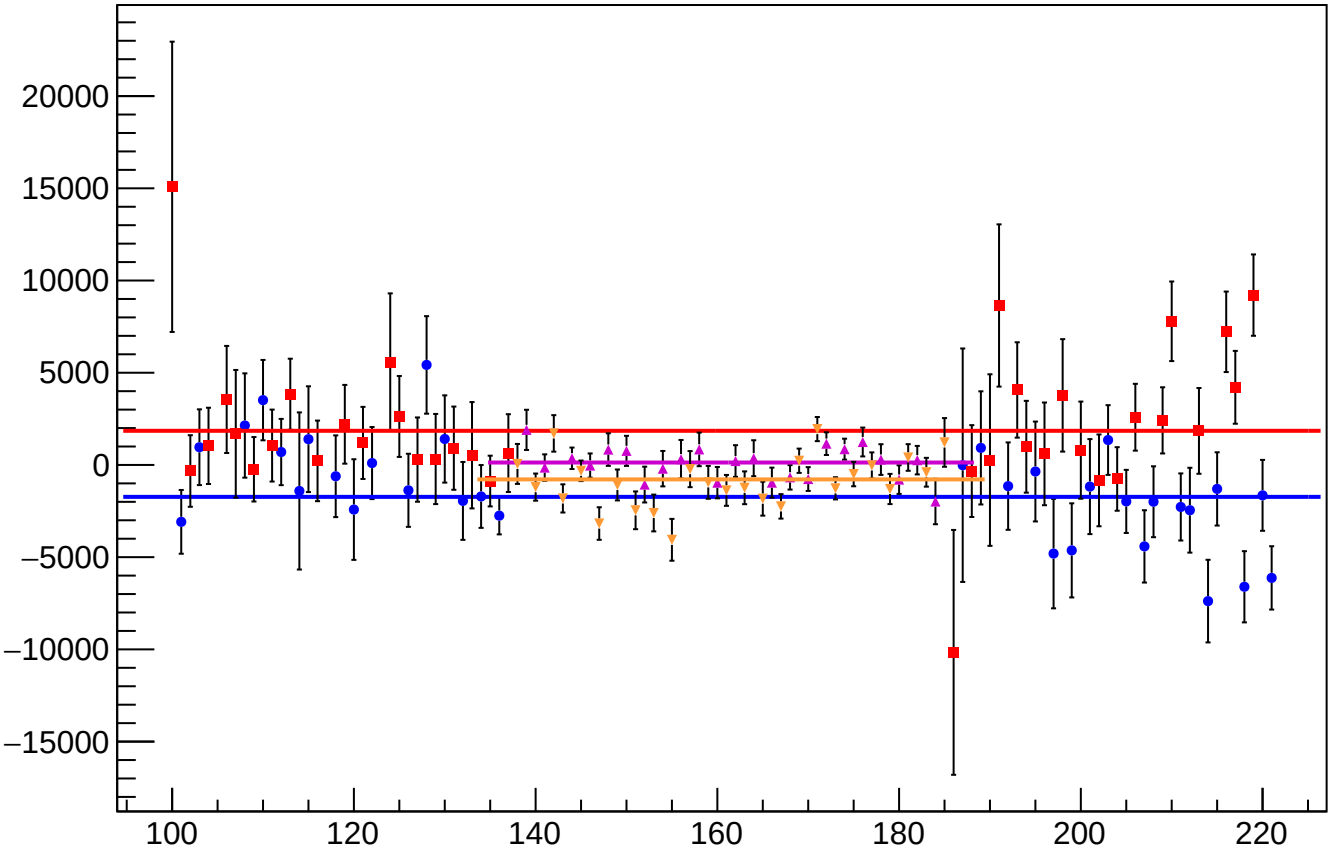
Right: 130.729+/-0.015 χ^2/NDF: 7009411.2/70

In: 109.821+/-0.013 χ^2/NDF:5774879.7/56

Out: 109.709+/-0.013 χ^2/NDF:7516365.6/61

All: 109.766+/-0.009 χ^2/NDF: 13291282.9/1

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: 1851.336+/-374.313 χ^2/NDF: 52.6/36

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

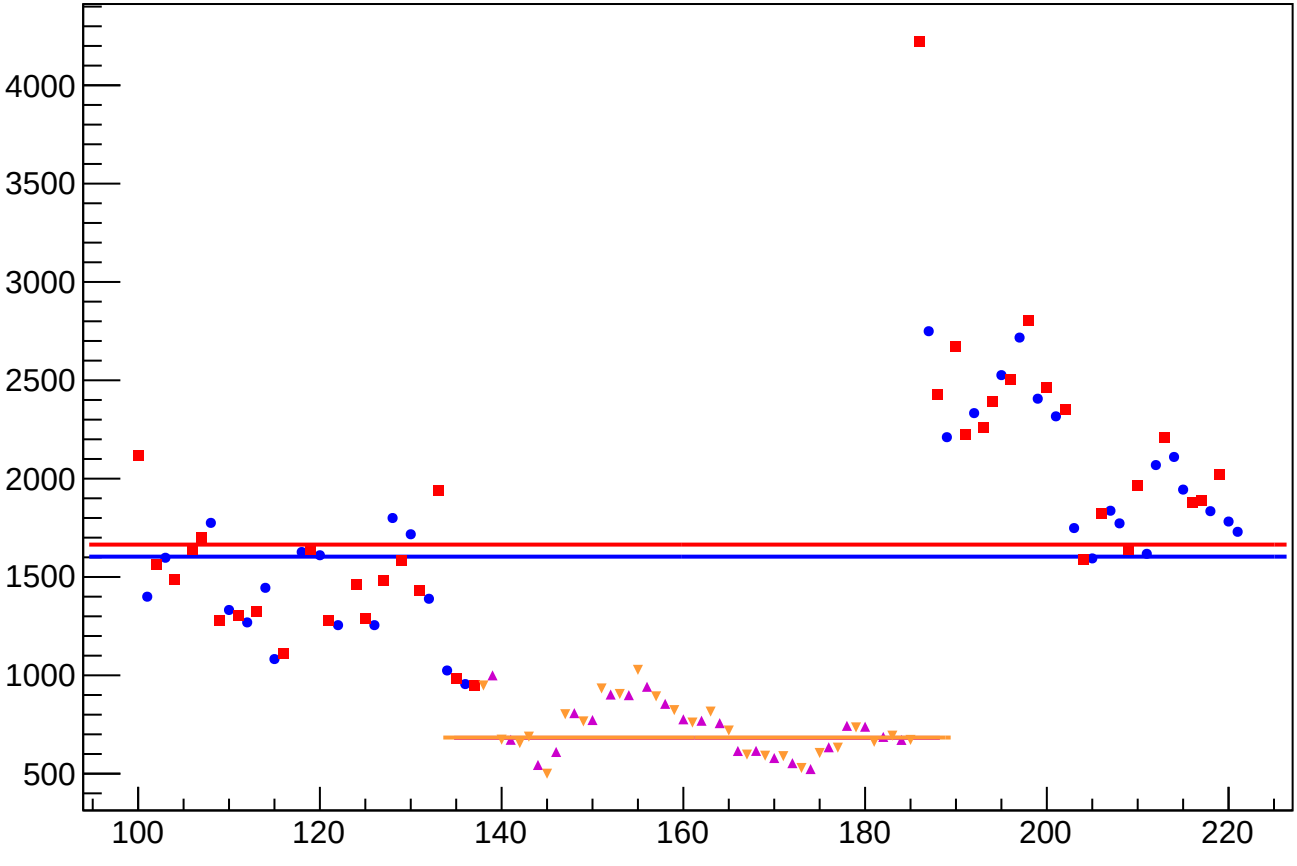
Right: -35.882+/-257.465 χ^2/NDF: 152.9/70

In: -191.316+/-147.666 χ^2/NDF:99.1/56

Out: -383.846+/-145.820 χ^2/NDF:161.0/61

All: -288.791+/-103.757 χ^2/NDF: 260.9/118

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1603.433+/-0.251 χ^2/NDF: 2966985.7/33

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1664.667+/-0.265 χ^2/NDF: 3256033.1/36

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

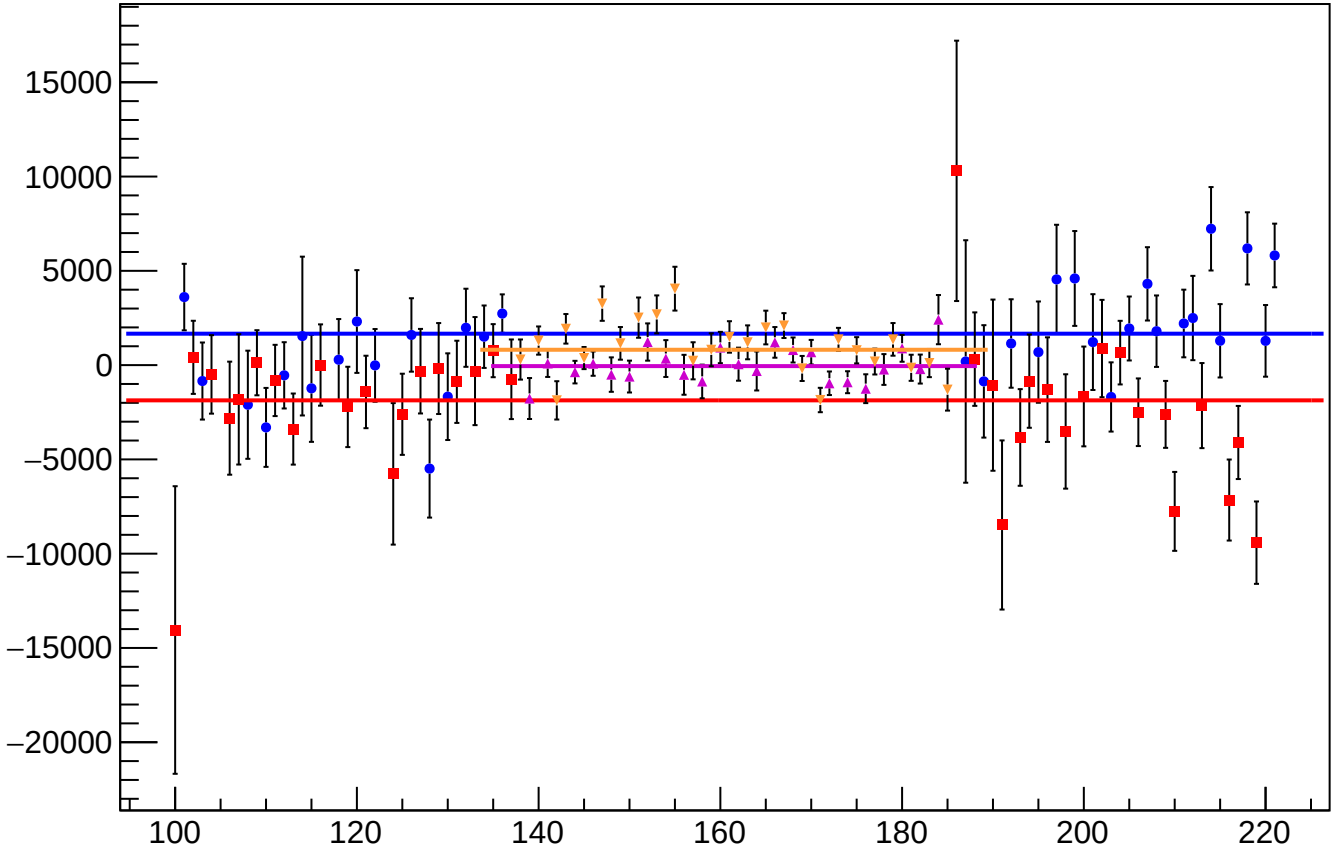
Right: 1632.404+/-0.182 χ^2/NDF: 6251219.4/70

In: 841.666+/-0.104 χ^2/NDF:15311787.2/56

Out: 832.571+/-0.103 χ^2/NDF:16205728.2/61

All: 837.061+/-0.073 χ^2/NDF: 31521356.1/11

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: -1868.982+/-371.205 χ^2/NDF: 52.2/36

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

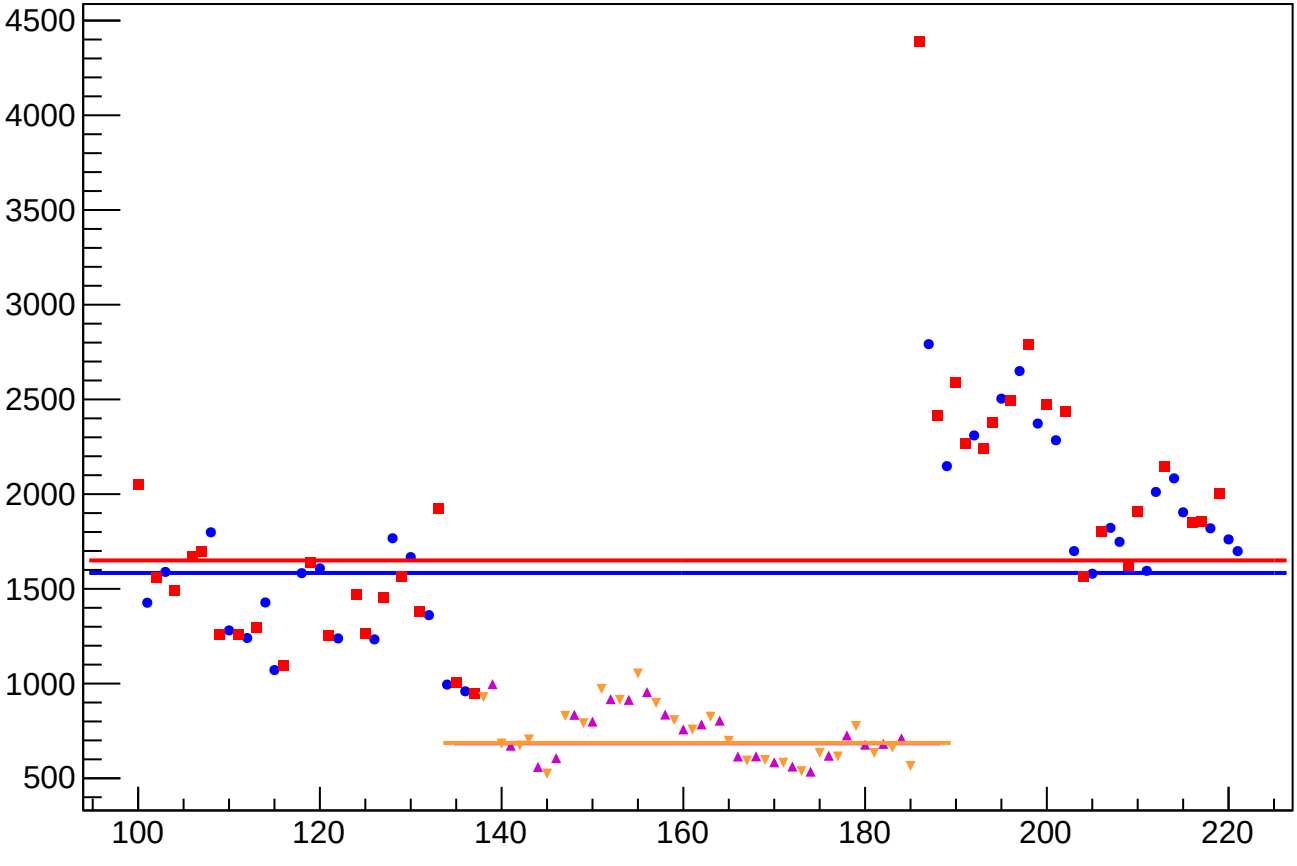
Right: 1.489+/-254.746 χ^2/NDF: 151.7/70

In: 253.845+/-147.806 χ^2/NDF:96.7/56

Out: 396.988+/-146.355 χ^2/NDF:162.1/61

All: 326.123+/-103.998 χ^2/NDF: 259.3/118

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: 1650.084+/-0.262 χ^2/NDF: 3264138.4/36

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

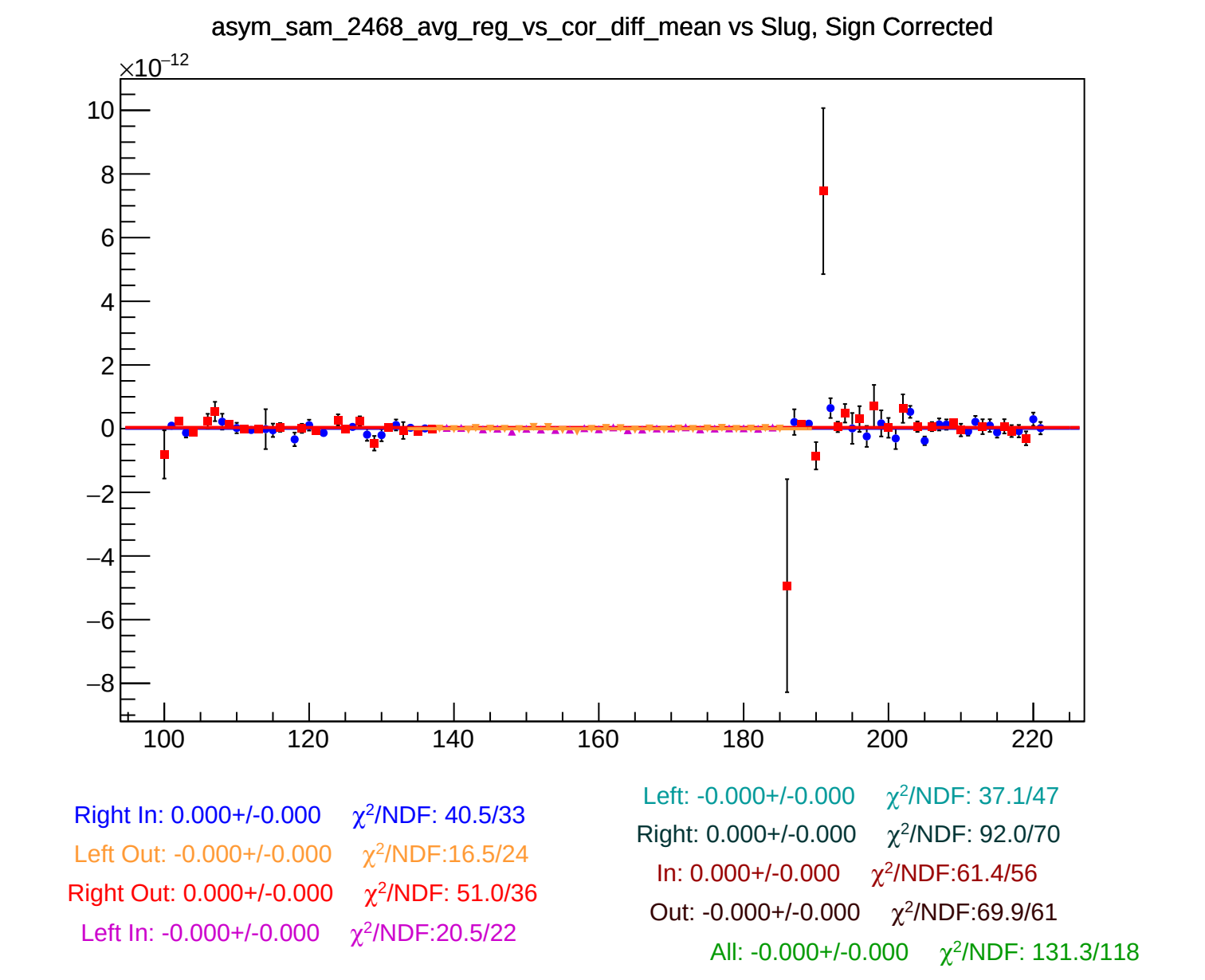
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1615.098+/-0.180 χ^2/NDF: 6208409.3/70

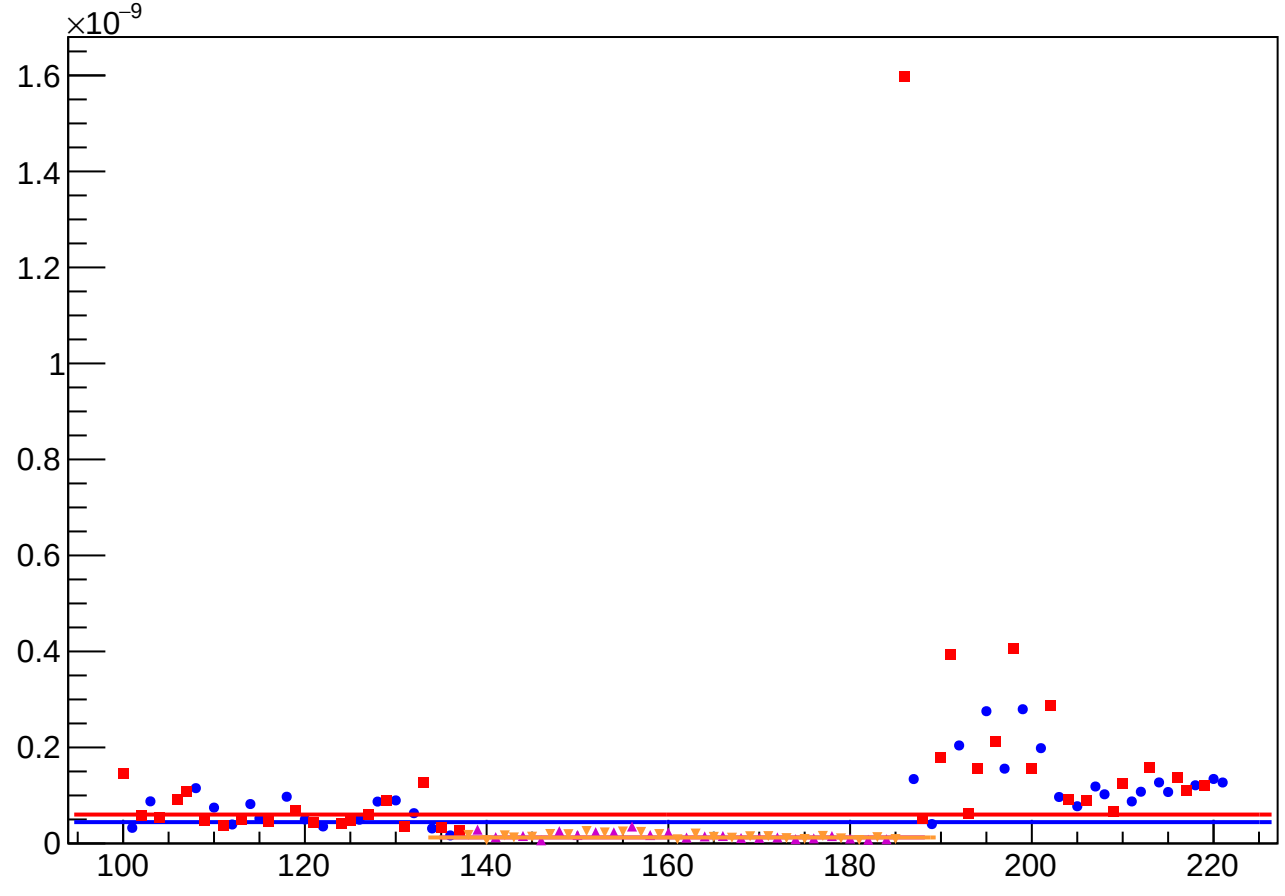
In: 844.907+/-0.105 χ^2/NDF:14910816.8/56

Out: 836.458+/-0.103 χ^2/NDF:15953337.3/61

All: 840.641+/-0.074 χ^2/NDF: 30867454.6/11


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: 51.0/36
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: 92.0/70
In: 0.000+/-0.000 χ²/NDF:61.4/56
Out: -0.000+/-0.000 χ²/NDF:69.9/61
All: -0.000+/-0.000 χ²/NDF: 131.3/118

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 4762837.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

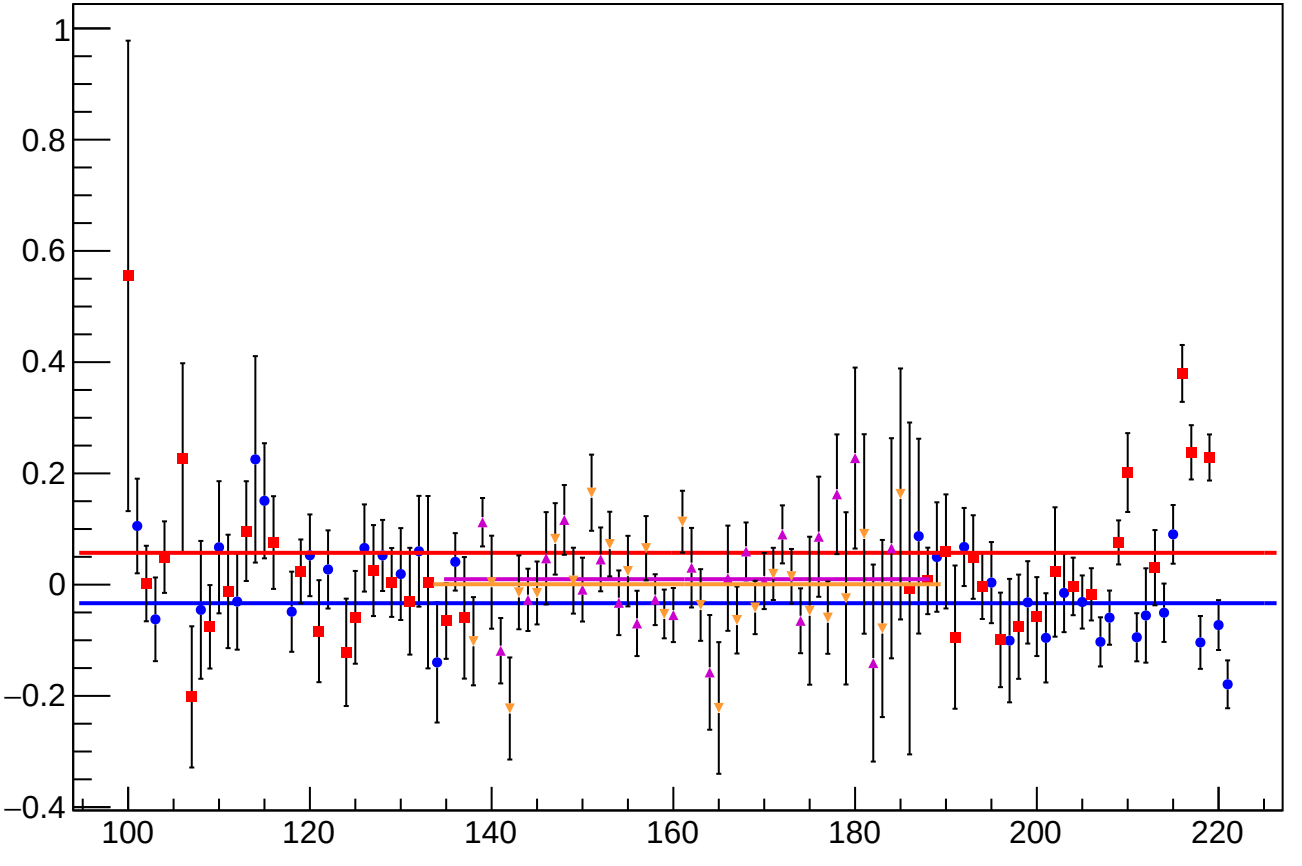
Right: 0.000+/-0.000 χ^2/NDF: 13331394.7/70

In: 0.000+/-0.000 χ^2/NDF:14957718.0/56

Out: 0.000+/-0.000 χ^2/NDF:13889998.4/61

All: 0.000+/-0.000 χ^2/NDF: 28851555.1/118

asym_sam_2468_avg_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: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

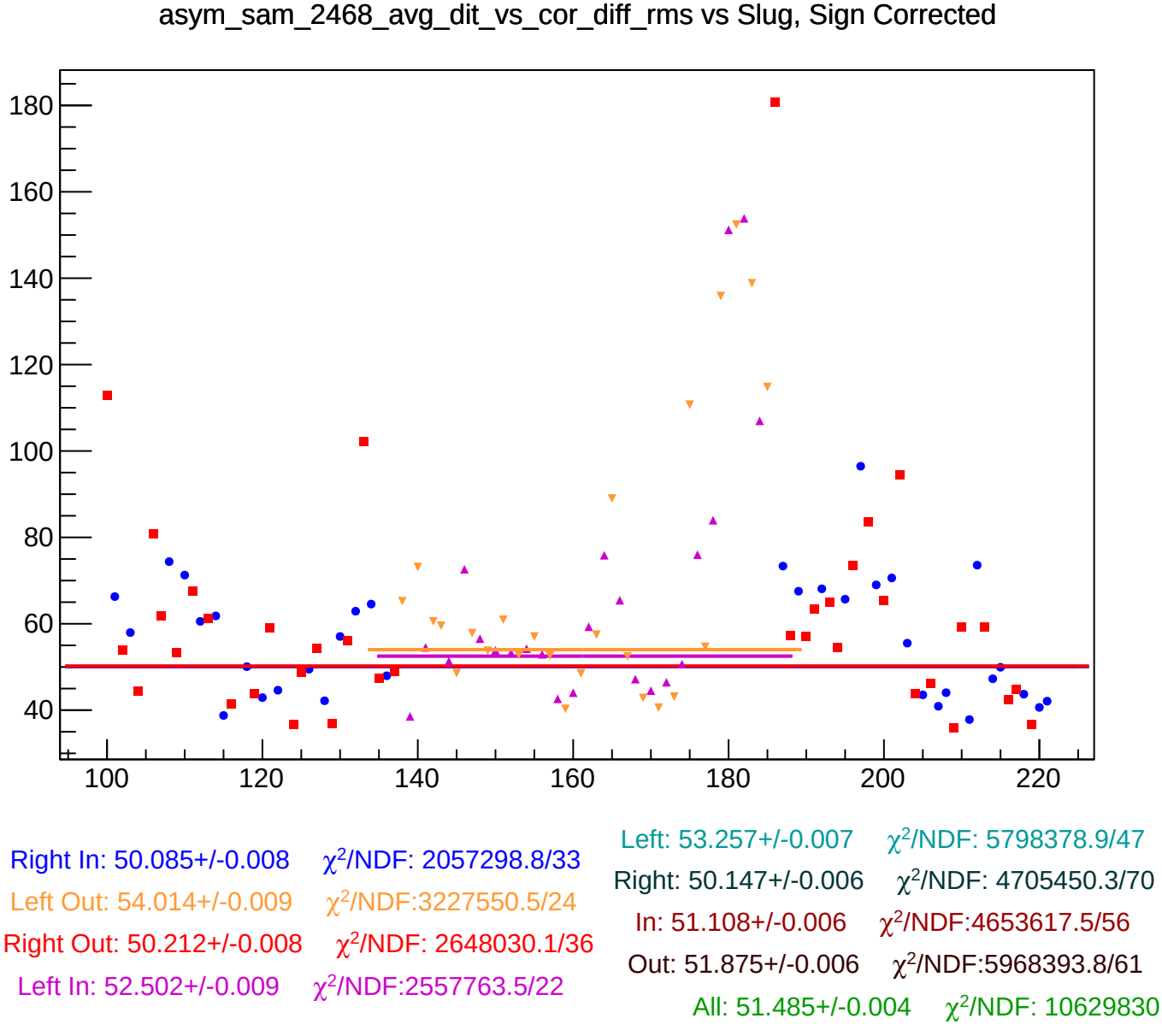
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.011+/-0.008 χ^2/NDF: 194.6/70

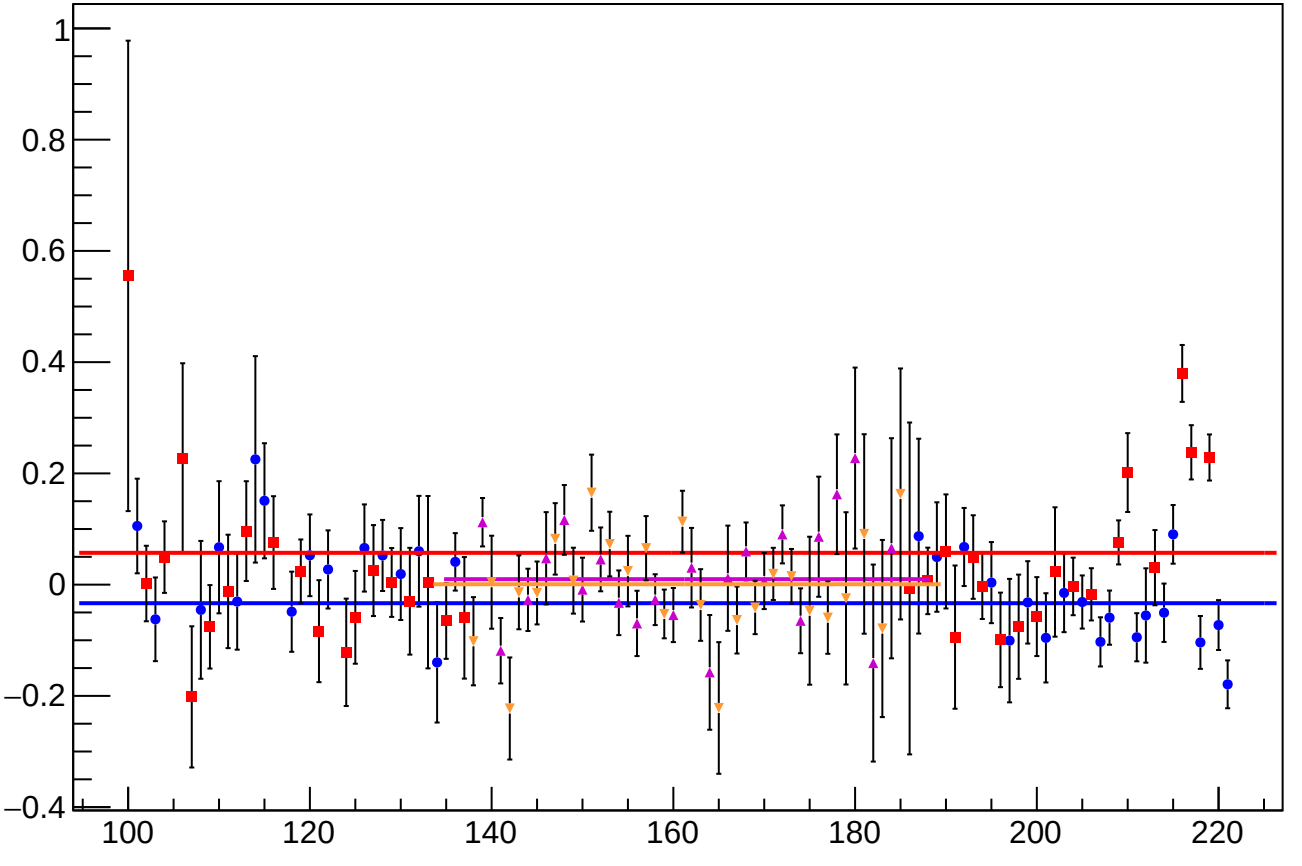
In: -0.015+/-0.009 χ^2/NDF:86.1/56

Out: 0.032+/-0.009 χ^2/NDF:157.6/61

All: 0.008+/-0.006 χ^2/NDF: 258.6/118


asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
180
160
140
120
100
80
60
40
100
120
140
160
180
200
220
Right In: 50.085+/-0.008 χ²/NDF: 2057298.8/33
Left Out: 54.014+/-0.009 χ²/NDF:3227550.5/24
Right Out: 50.212+/-0.008 χ²/NDF: 2648030.1/36
Left In: 52.502+/-0.009 χ²/NDF:2557763.5/22
Left: 53.257+/-0.007 χ²/NDF: 5798378.9/47
Right: 50.147+/-0.006 χ²/NDF: 4705450.3/70
In: 51.108+/-0.006 χ²/NDF:4653617.5/56
Out: 51.875+/-0.006 χ²/NDF:5968393.8/61
All: 51.485+/-0.004 χ²/NDF: 10629830.4/118

asym_sam_2468_avg_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: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

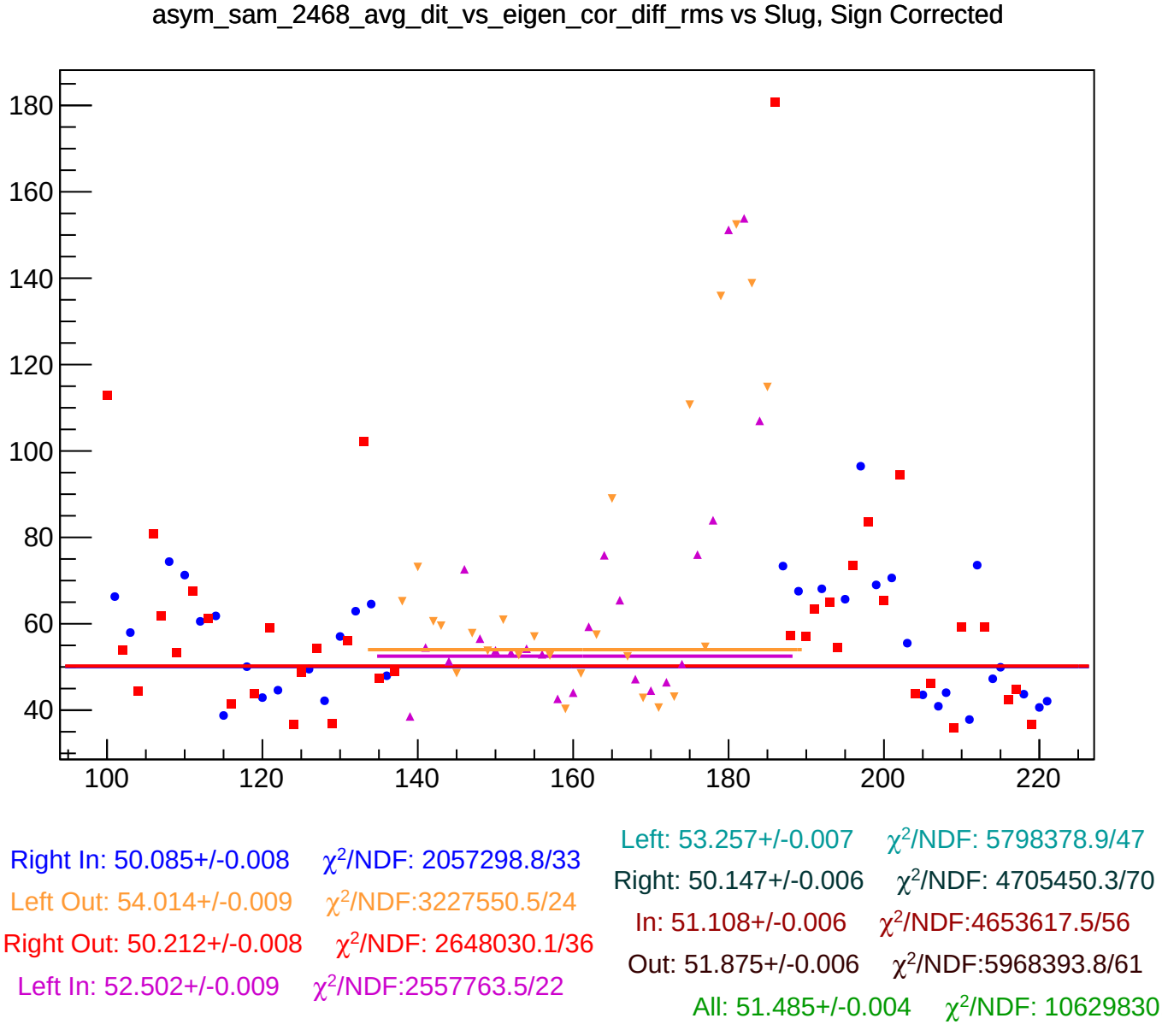
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

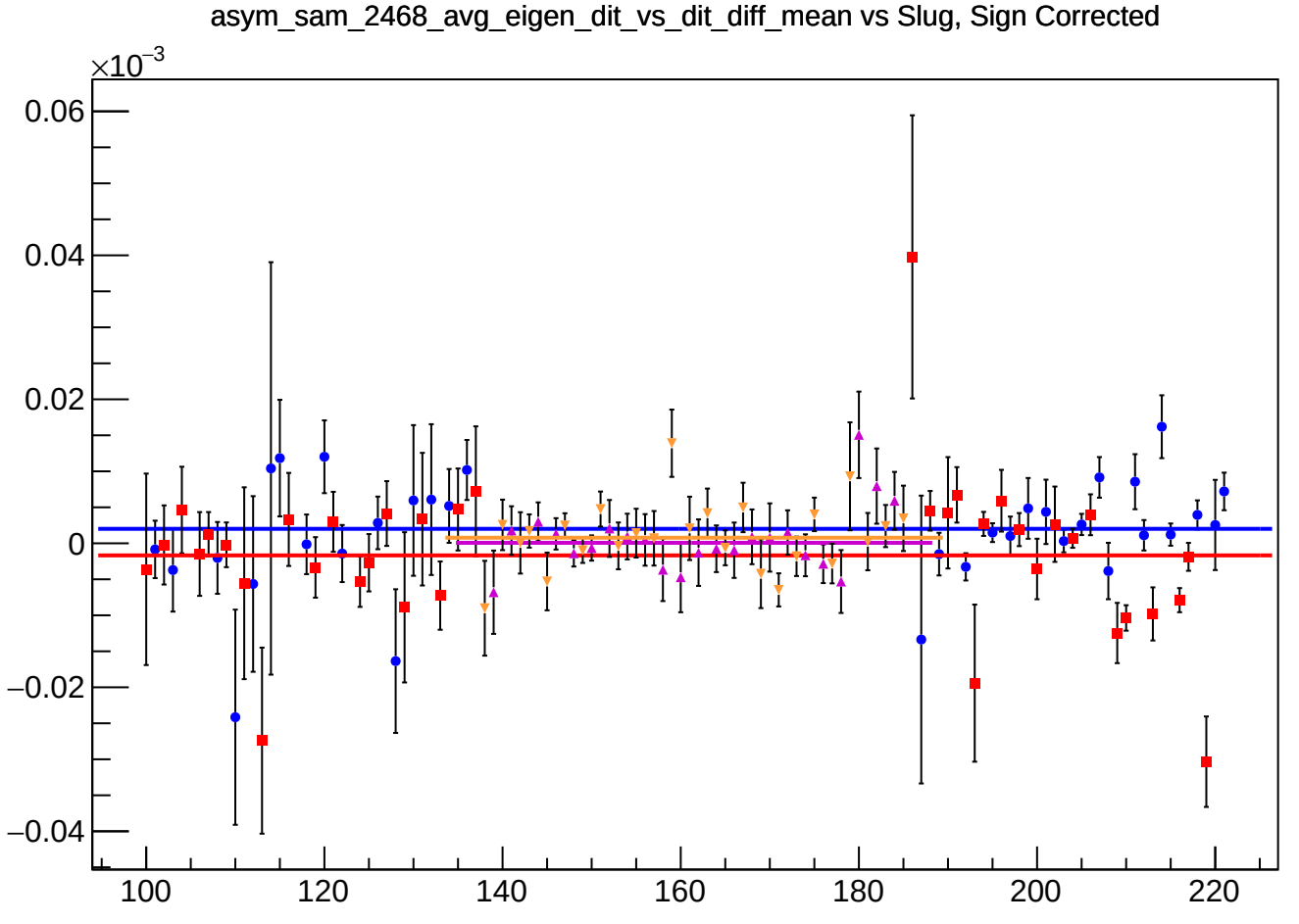
Right: 0.011+/-0.008 χ^2/NDF: 194.6/70

In: -0.015+/-0.009 χ^2/NDF:86.1/56

Out: 0.032+/-0.009 χ^2/NDF:157.6/61

All: 0.008+/-0.006 χ^2/NDF: 258.6/118


asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
180
160
140
120
100
80
60
40
100
120
140
160
180
200
220
Right In: 50.085+/-0.008 χ2/NDF: 2057298.8/33
Left Out: 54.014+/-0.009 χ2/NDF:3227550.5/24
Right Out: 50.212+/-0.008 χ2/NDF: 2648030.1/36
Left In: 52.502+/-0.009 χ2/NDF:2557763.5/22
Left: 53.257+/-0.007 χ2/NDF: 5798378.9/47
Right: 50.147+/-0.006 χ2/NDF: 4705450.3/70
In: 51.108+/-0.006 χ2/NDF:4653617.5/56
Out: 51.875+/-0.006 χ2/NDF:5968393.8/61
All: 51.485+/-0.004 χ2/NDF: 10629830.4/118



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: 123.9/36

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

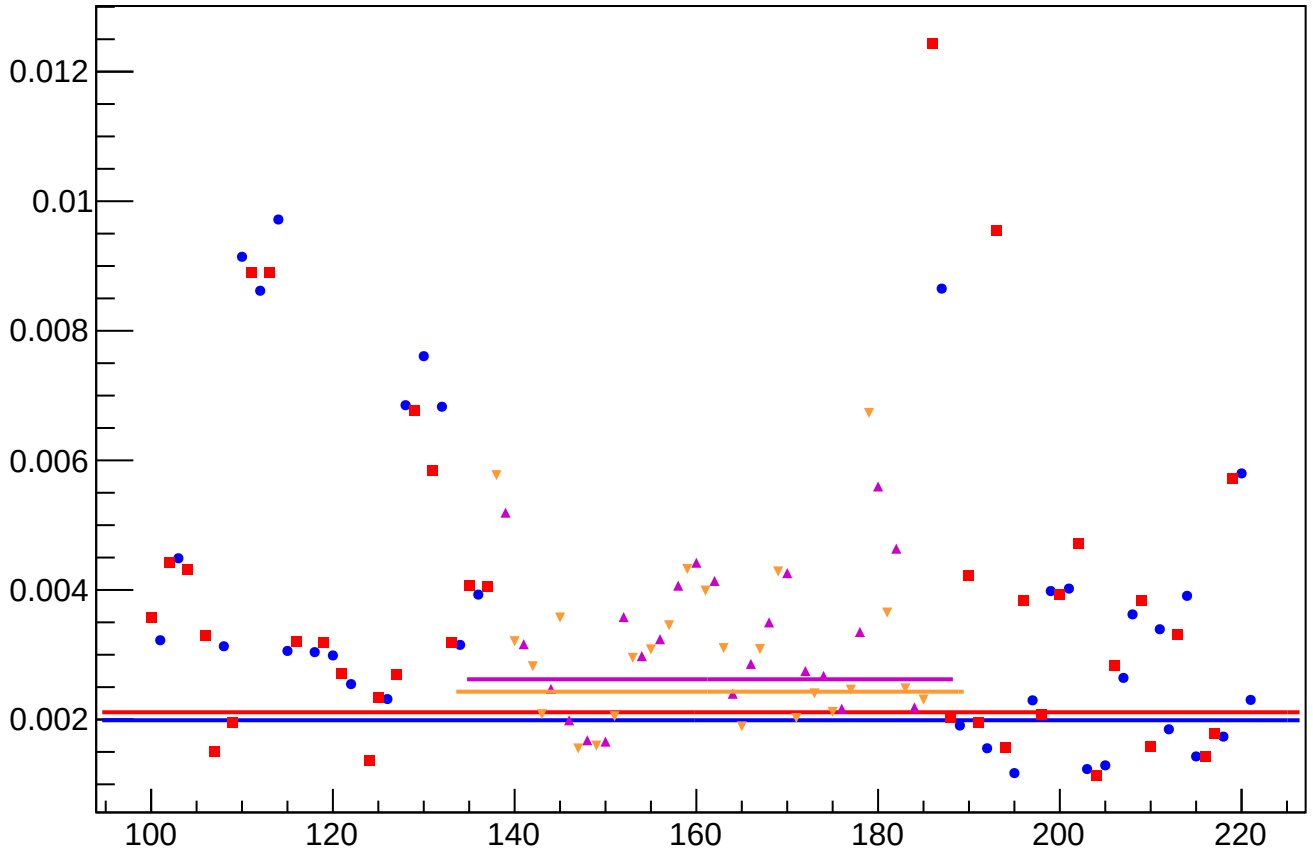
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 208.9/70

In: 0.000+/-0.000 χ^2/NDF:85.4/56

Out: -0.000+/-0.000 χ^2/NDF:171.4/61

All: 0.000+/-0.000 χ^2/NDF: 267.9/118



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: 9457235.5/36

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

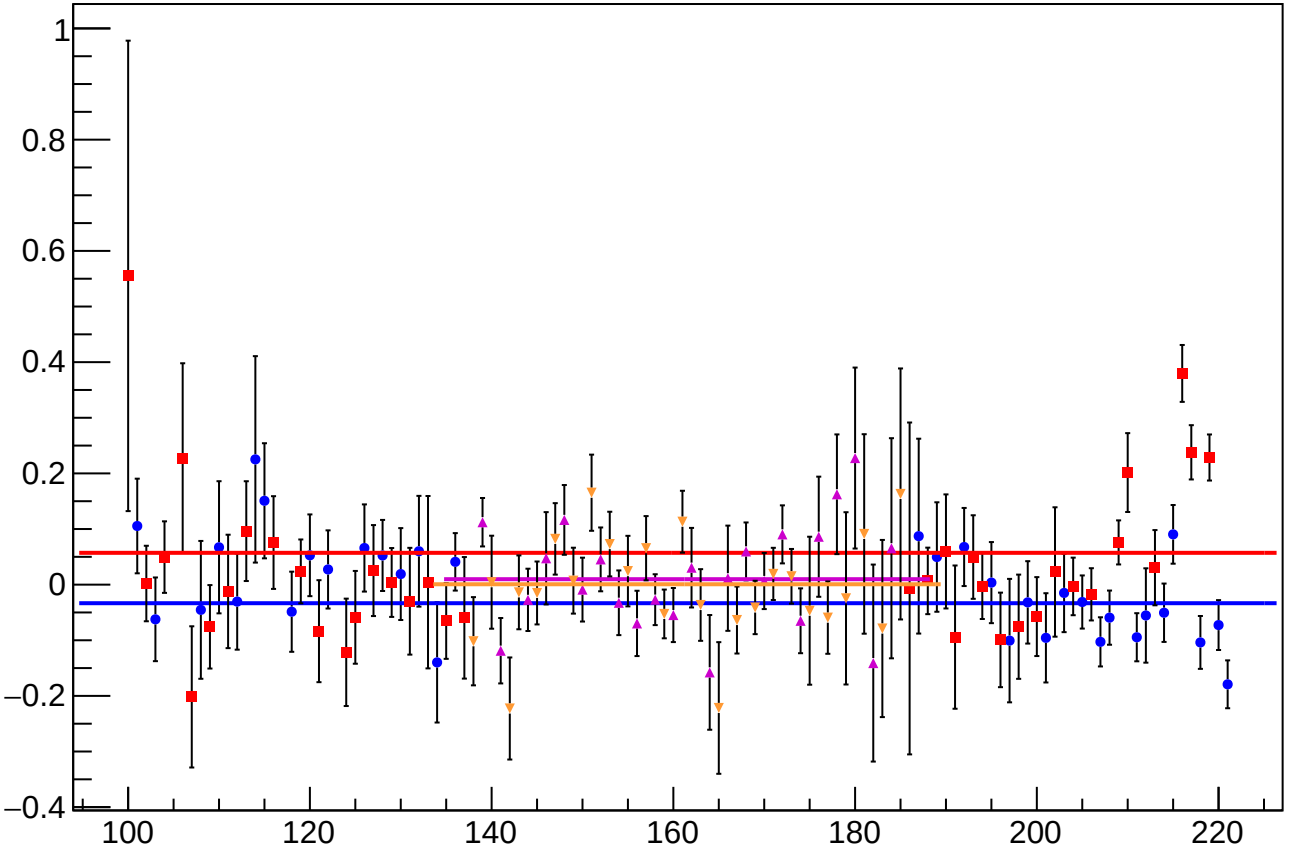
Right: 0.002+/-0.000 χ^2/NDF: 18778895.0/70

In: 0.002+/-0.000 χ^2/NDF:14383609.9/56

Out: 0.002+/-0.000 χ^2/NDF:13992100.6/61

All: 0.002+/-0.000 χ^2/NDF: 28383951.5/118

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: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

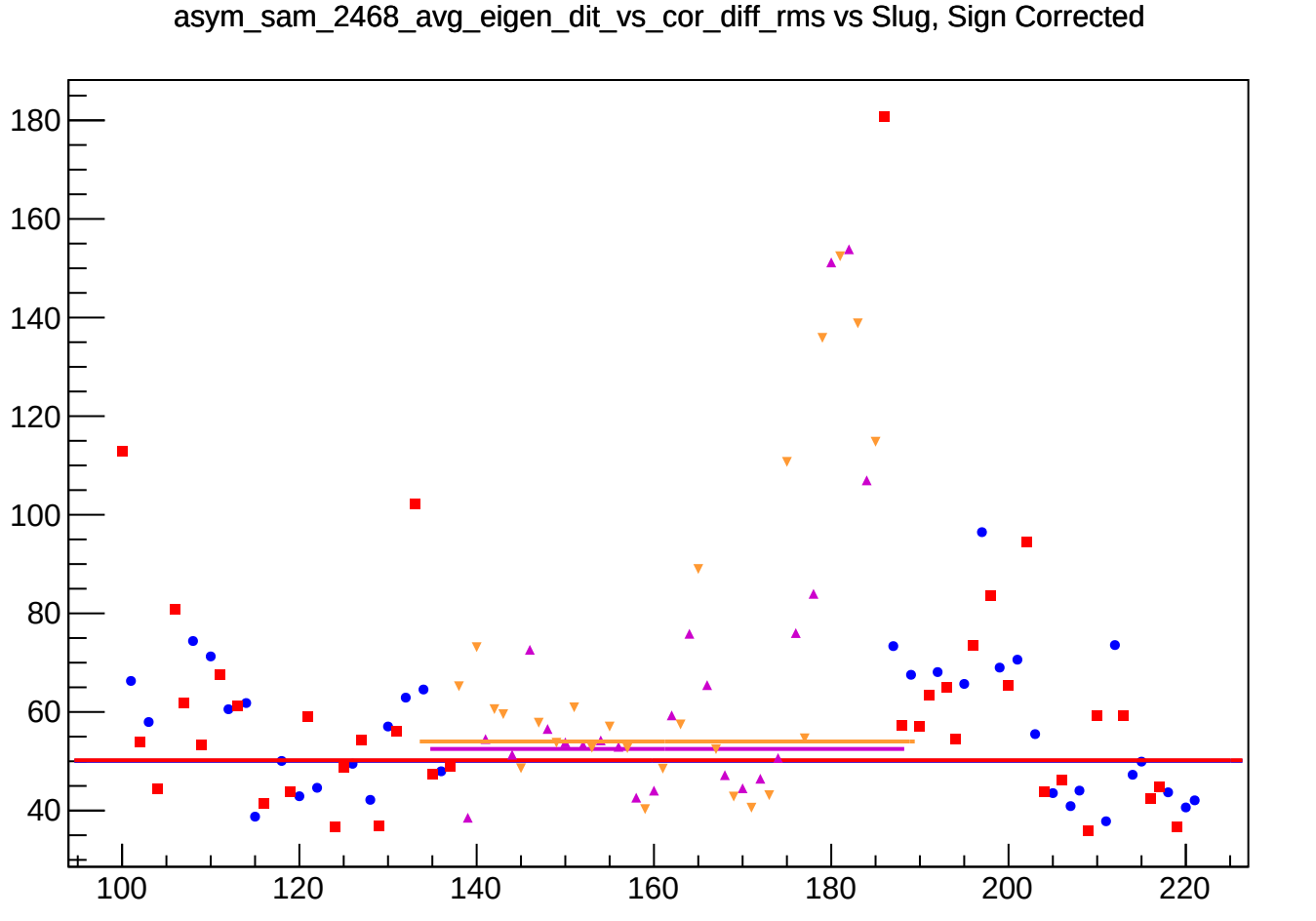
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.011+/-0.008 χ^2/NDF: 194.6/70

In: -0.015+/-0.009 χ^2/NDF:86.0/56

Out: 0.032+/-0.009 χ^2/NDF:157.5/61

All: 0.008+/-0.006 χ^2/NDF: 258.6/118



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: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

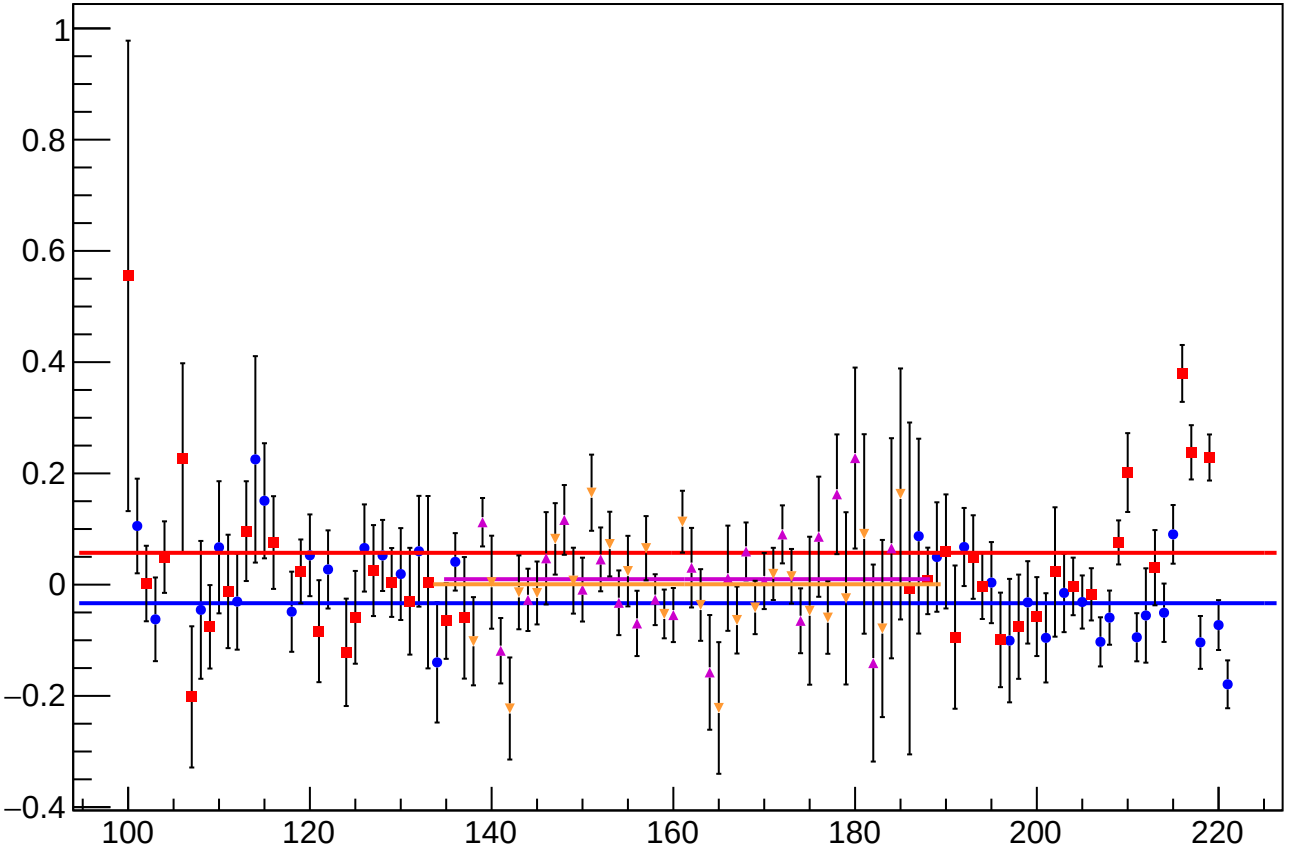
Right: 50.146+/-0.006 χ^2/NDF: 4705431.8/70

In: 51.108+/-0.006 χ^2/NDF:4653675.0/56

Out: 51.875+/-0.006 χ^2/NDF:5968455.6/61

All: 51.485+/-0.004 χ^2/NDF: 10629953.6/118

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: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

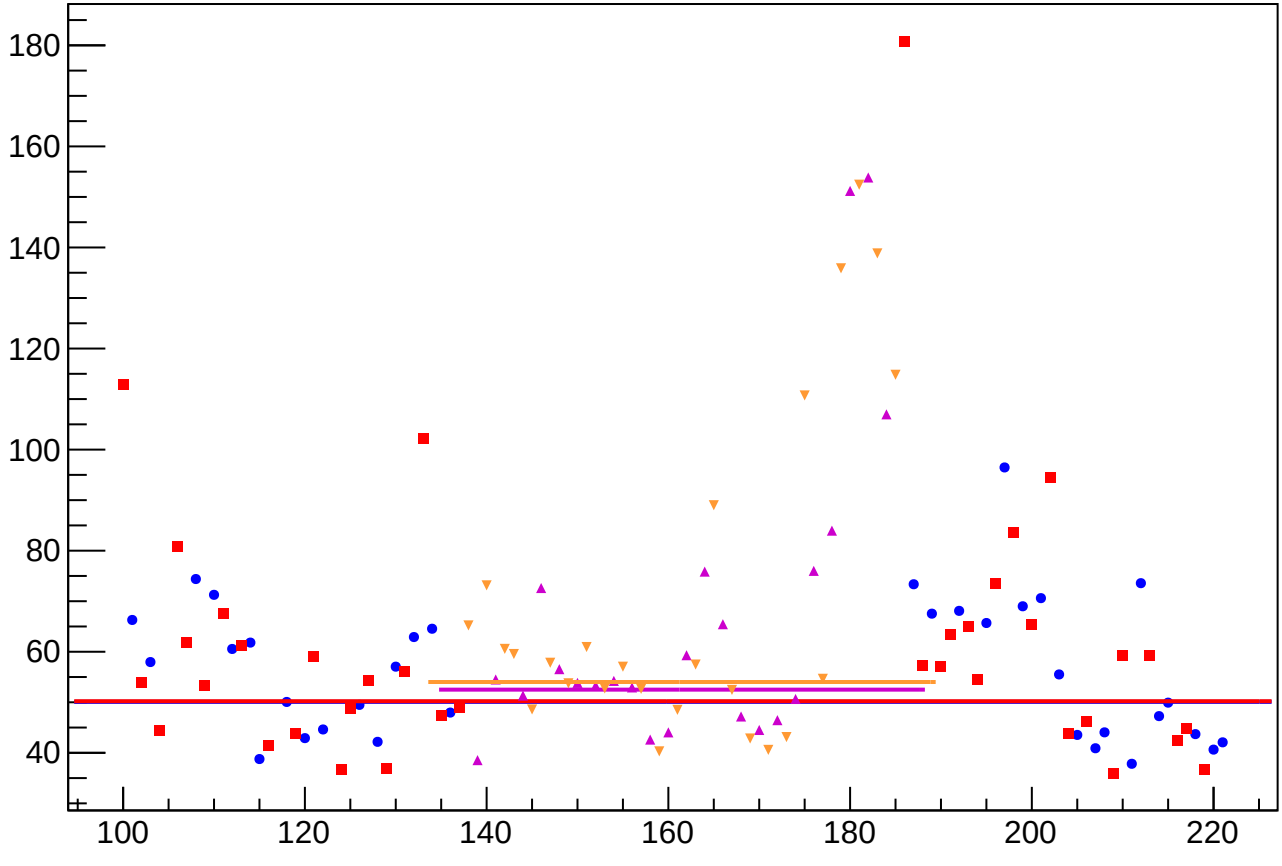
Right: 0.011+/-0.008 χ^2/NDF: 194.6/70

In: -0.015+/-0.009 χ^2/NDF:86.0/56

Out: 0.032+/-0.009 χ^2/NDF:157.5/61

All: 0.008+/-0.006 χ^2/NDF: 258.6/118

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: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

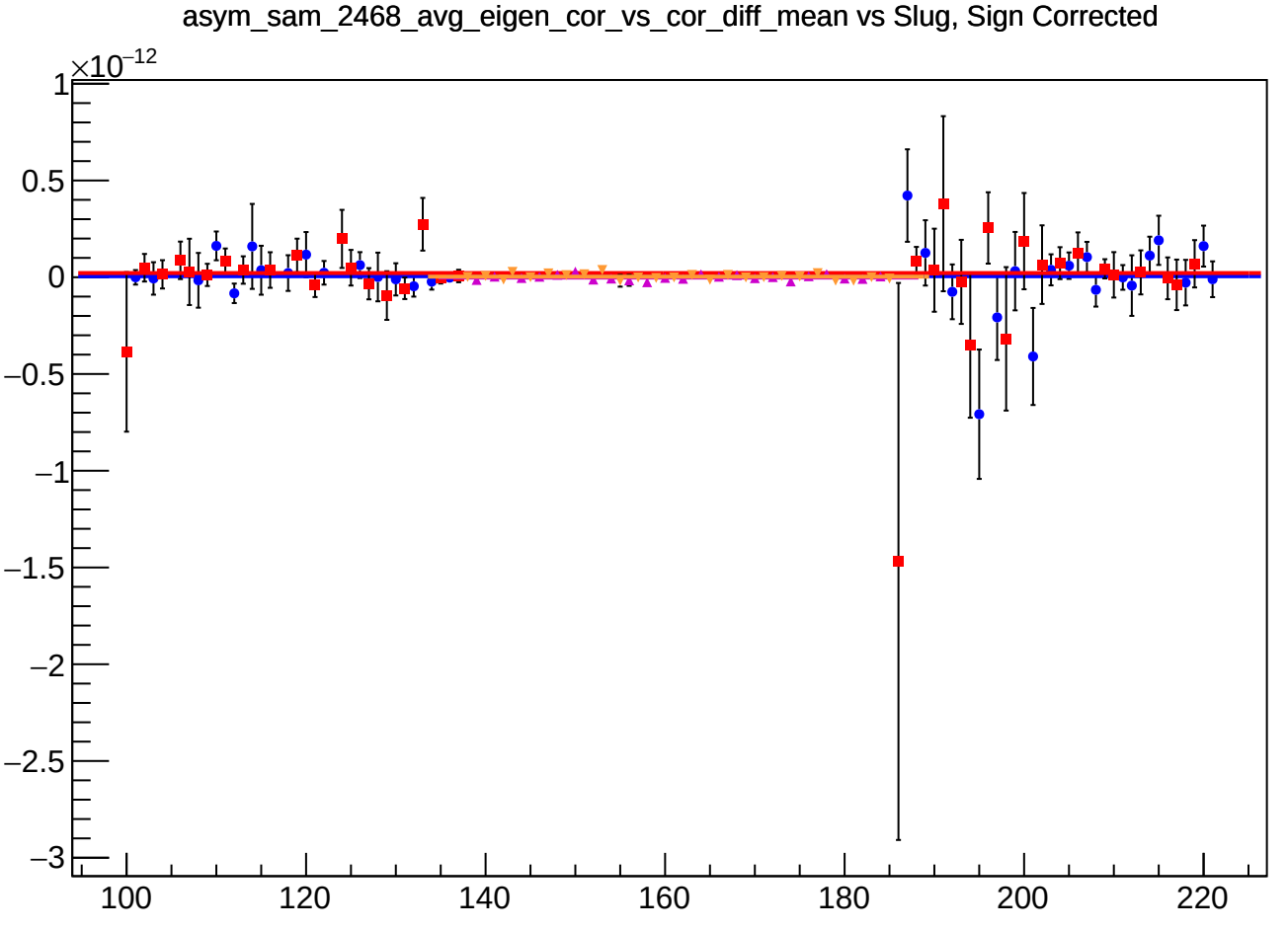
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 50.146+/-0.006 χ^2/NDF: 4705431.8/70

In: 51.108+/-0.006 χ^2/NDF:4653675.0/56

Out: 51.875+/-0.006 χ^2/NDF:5968455.6/61

All: 51.485+/-0.004 χ^2/NDF: 10629953.6/118



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: 22.5/36

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

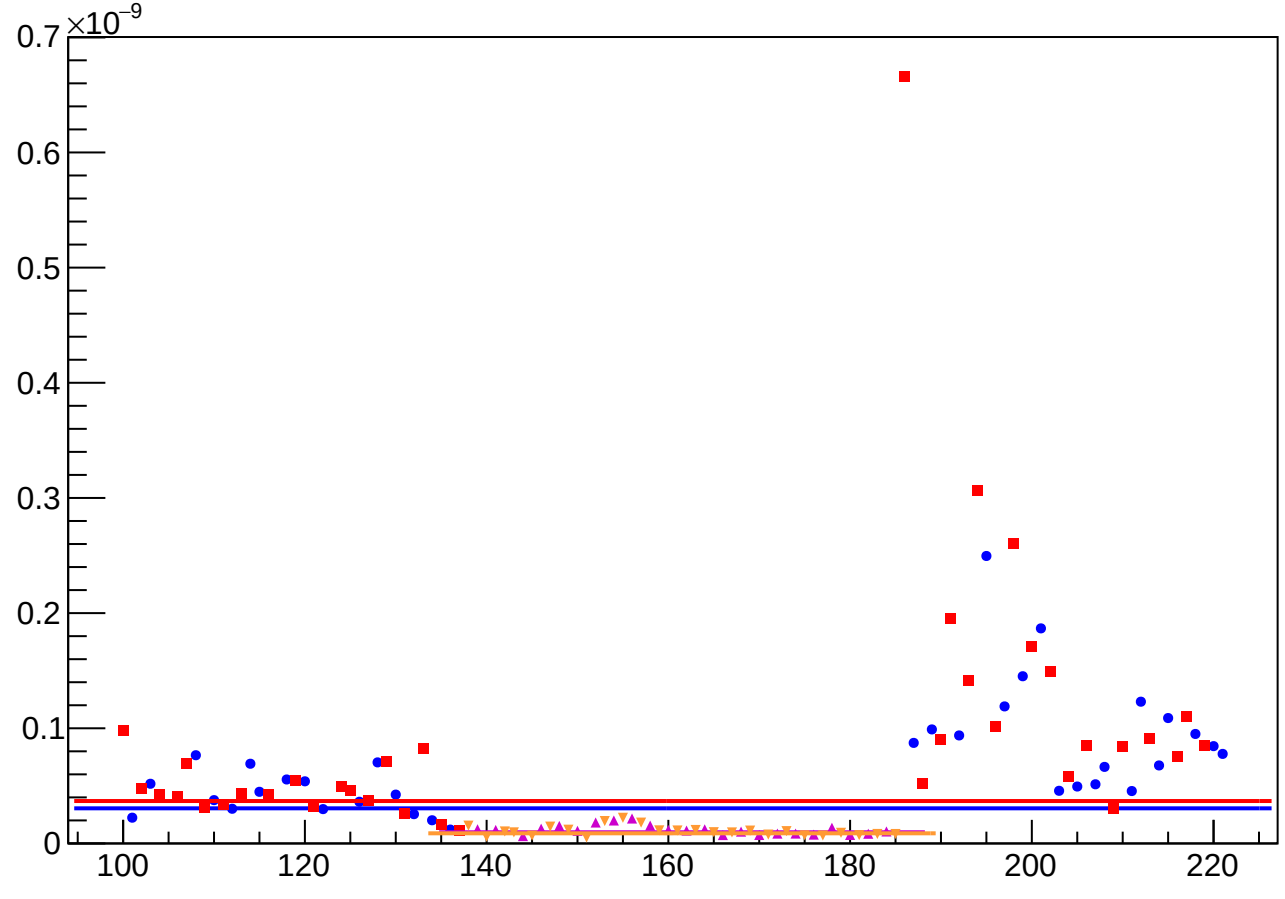
Right: 0.000+/-0.000 χ^2/NDF: 55.9/70

In: -0.000+/-0.000 χ^2/NDF:48.0/56

Out: 0.000+/-0.000 χ^2/NDF:46.4/61

All: 0.000+/-0.000 χ^2/NDF: 96.1/118

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: 10188114.6/36

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

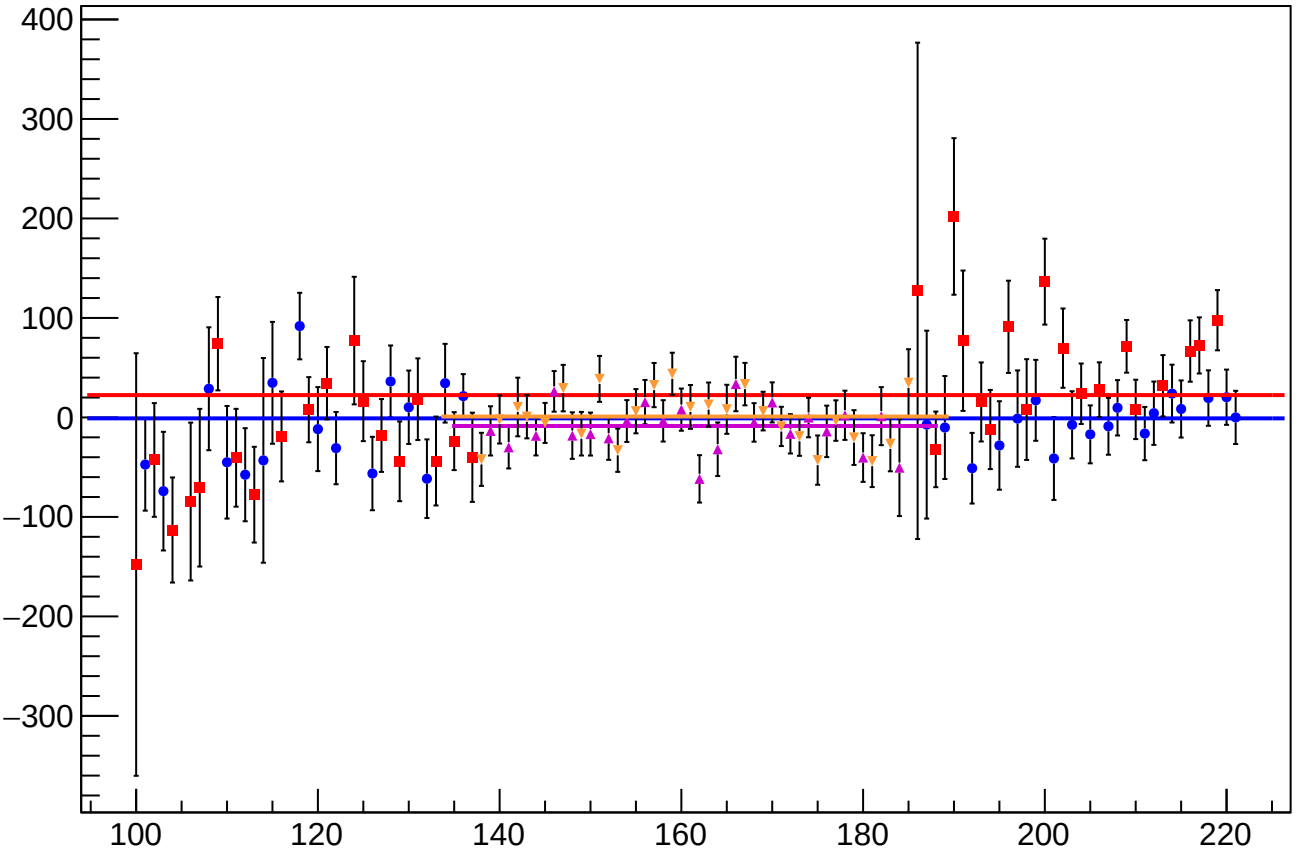
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21740156.0/70

In: 0.000+/-0.000 χ^2/NDF:20457772.6/56

Out: 0.000+/-0.000 χ^2/NDF:21880196.3/61

All: 0.000+/-0.000 χ^2/NDF: 42520914.9/118



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: 22.447+/-6.558 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

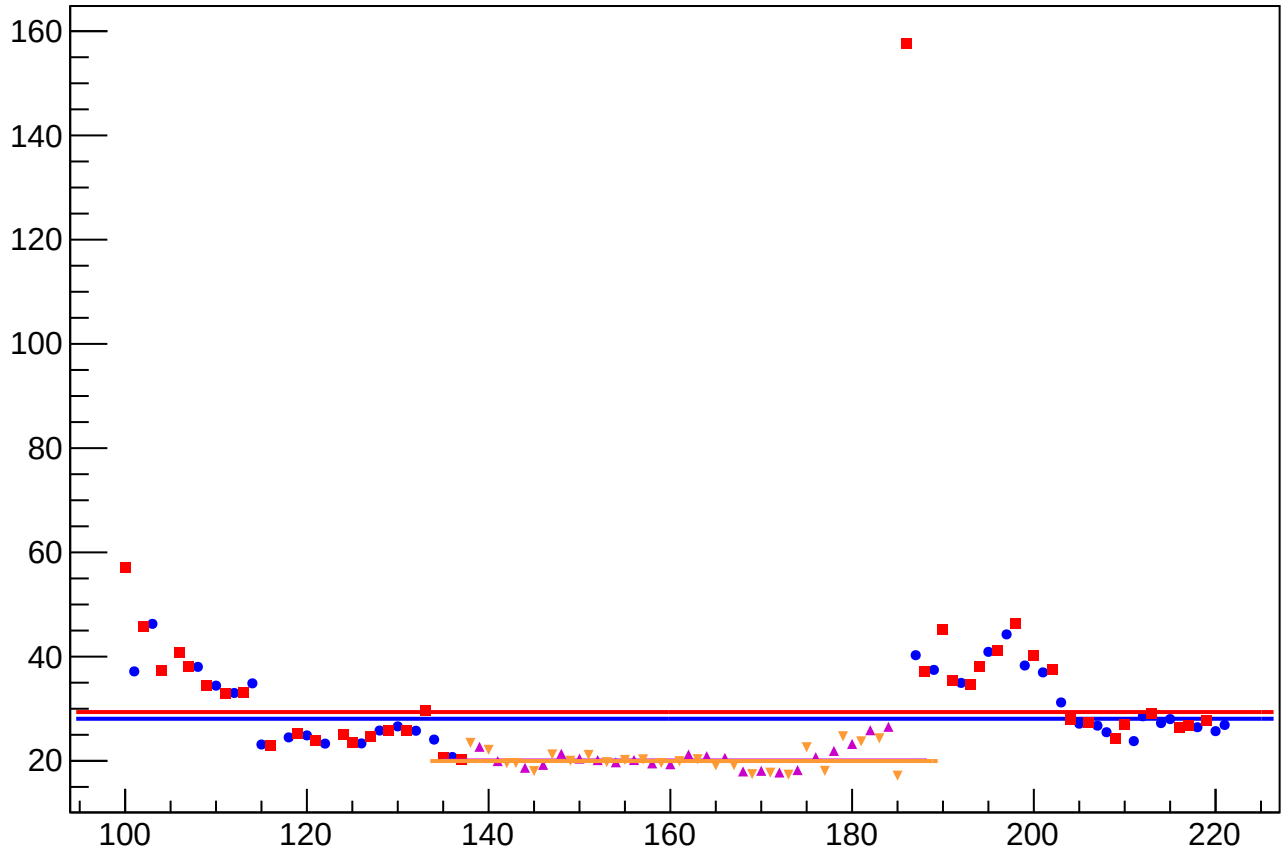
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 9.964+/-4.478 χ^2/NDF: 100.7/70

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 7.963+/-3.752 χ^2/NDF:102.6/61

All: 1.090+/-2.649 χ^2/NDF: 157.4/118



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: 29.367+/-0.005 χ^2/NDF: 2395717.9/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

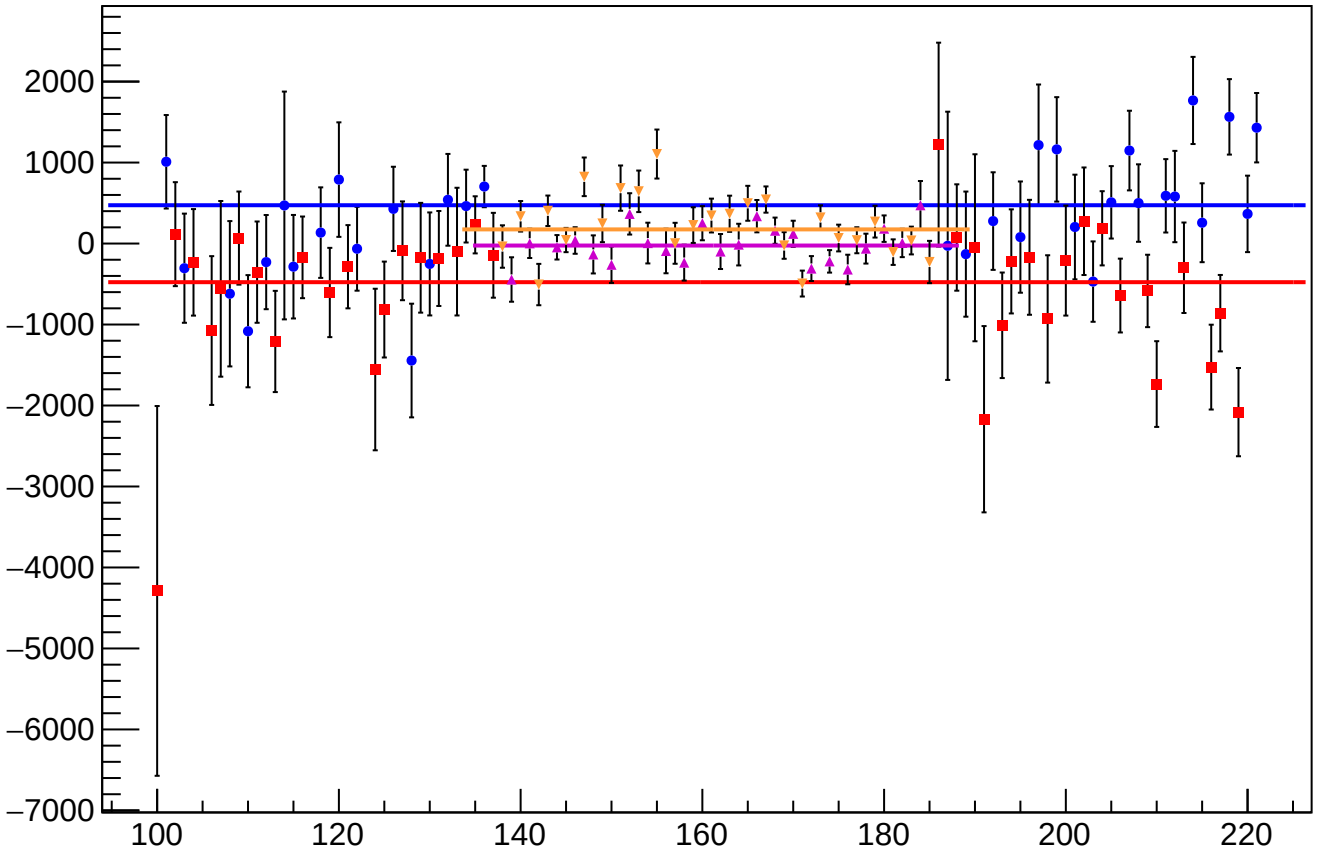
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 28.679+/-0.003 χ^2/NDF: 4081898.8/70

In: 23.056+/-0.003 χ^2/NDF:4087259.6/56

Out: 23.044+/-0.003 χ^2/NDF:5545759.4/61

All: 23.050+/-0.002 χ^2/NDF: 9633028.3/118



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: -477.098+/-99.416 χ^2/NDF: 43.1/36

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

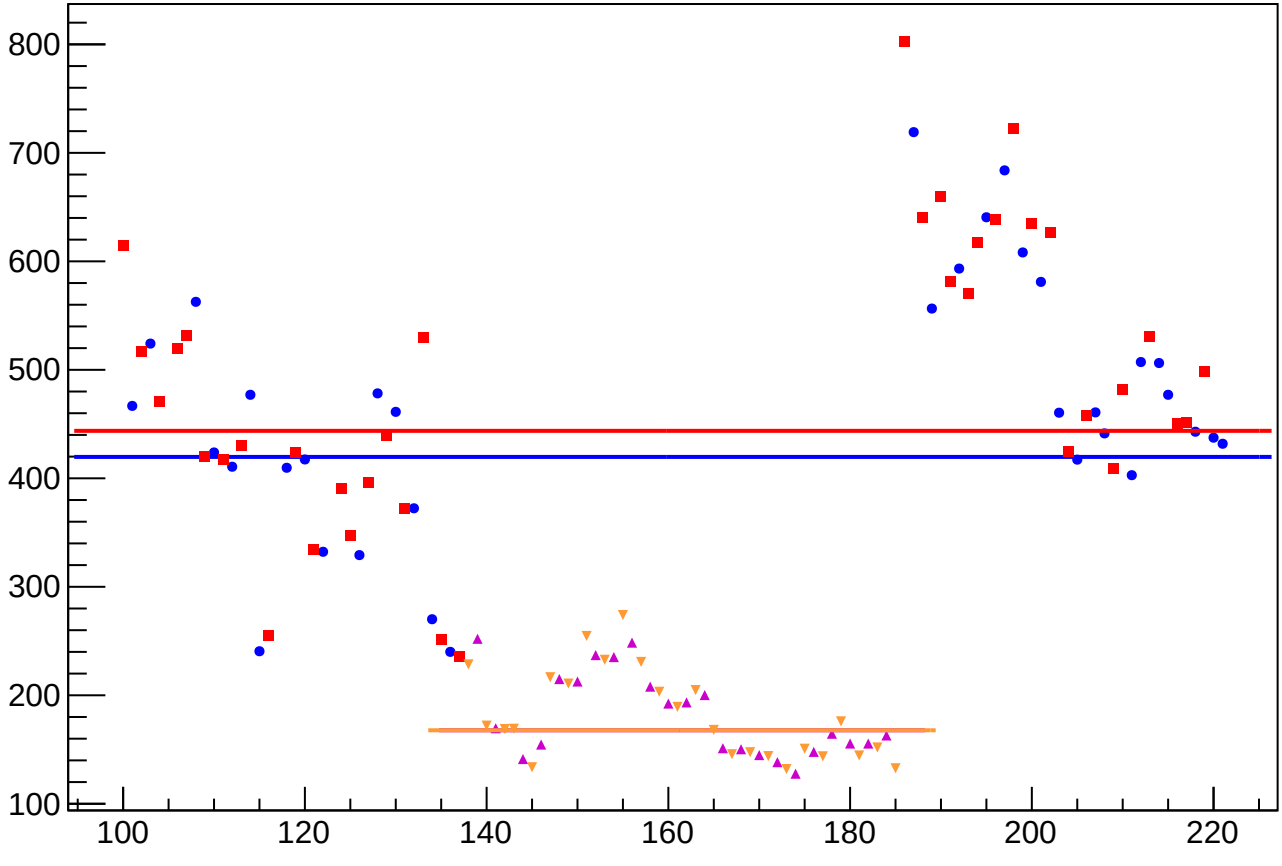
Right: 30.977+/-67.816 χ^2/NDF: 140.3/70

In: 53.707+/-36.784 χ^2/NDF:99.5/56

Out: 87.575+/-36.346 χ^2/NDF:151.5/61

All: 70.844+/-25.854 χ^2/NDF: 251.5/118

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: 443.764+/-0.070 χ^2/NDF: 2954168.2/36

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

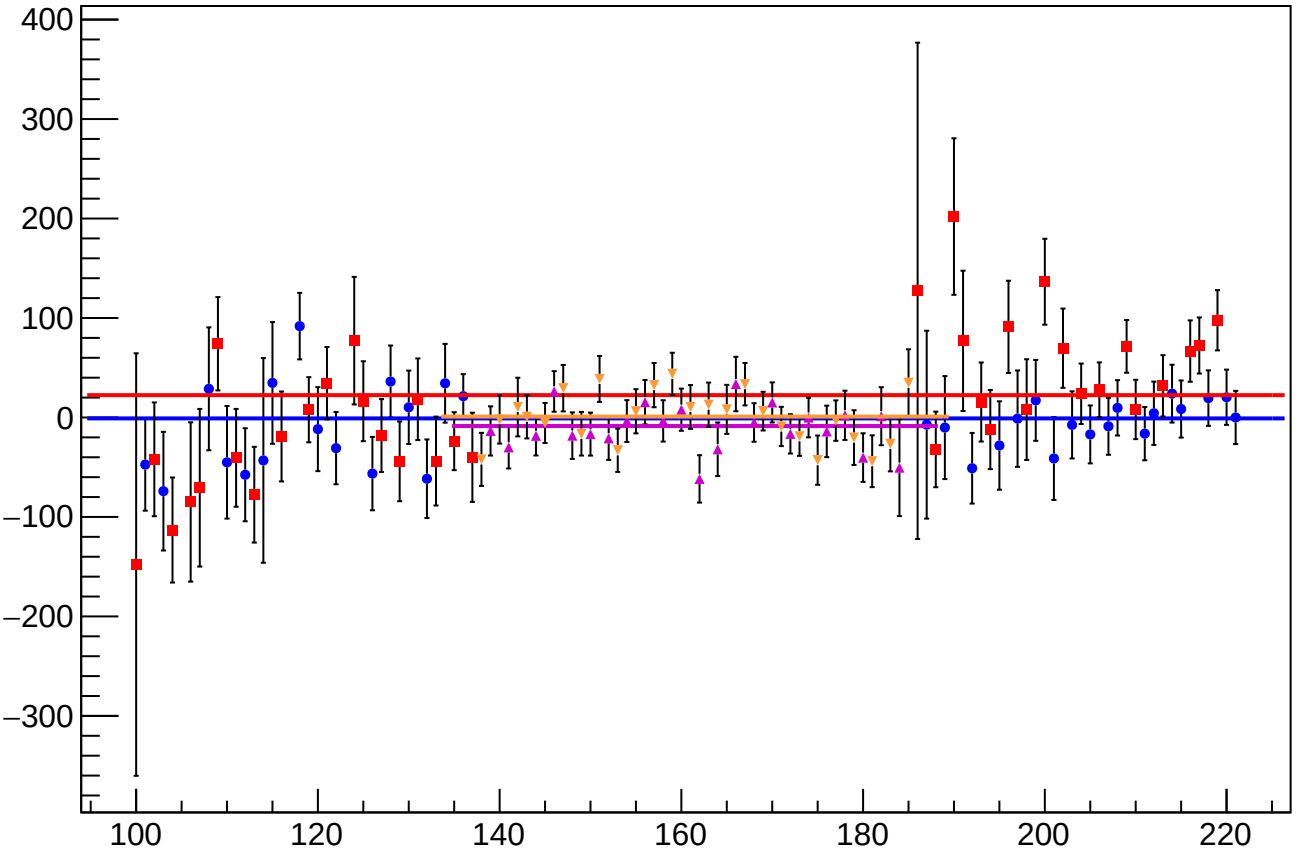
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 430.912+/-0.048 χ^2/NDF: 5873880.3/70

In: 207.386+/-0.026 χ^2/NDF:16701453.8/56

Out: 204.646+/-0.026 χ^2/NDF:17887801.6/61

All: 205.999+/-0.018 χ^2/NDF: 34594873.1/11



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: 22.468+/-6.559 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

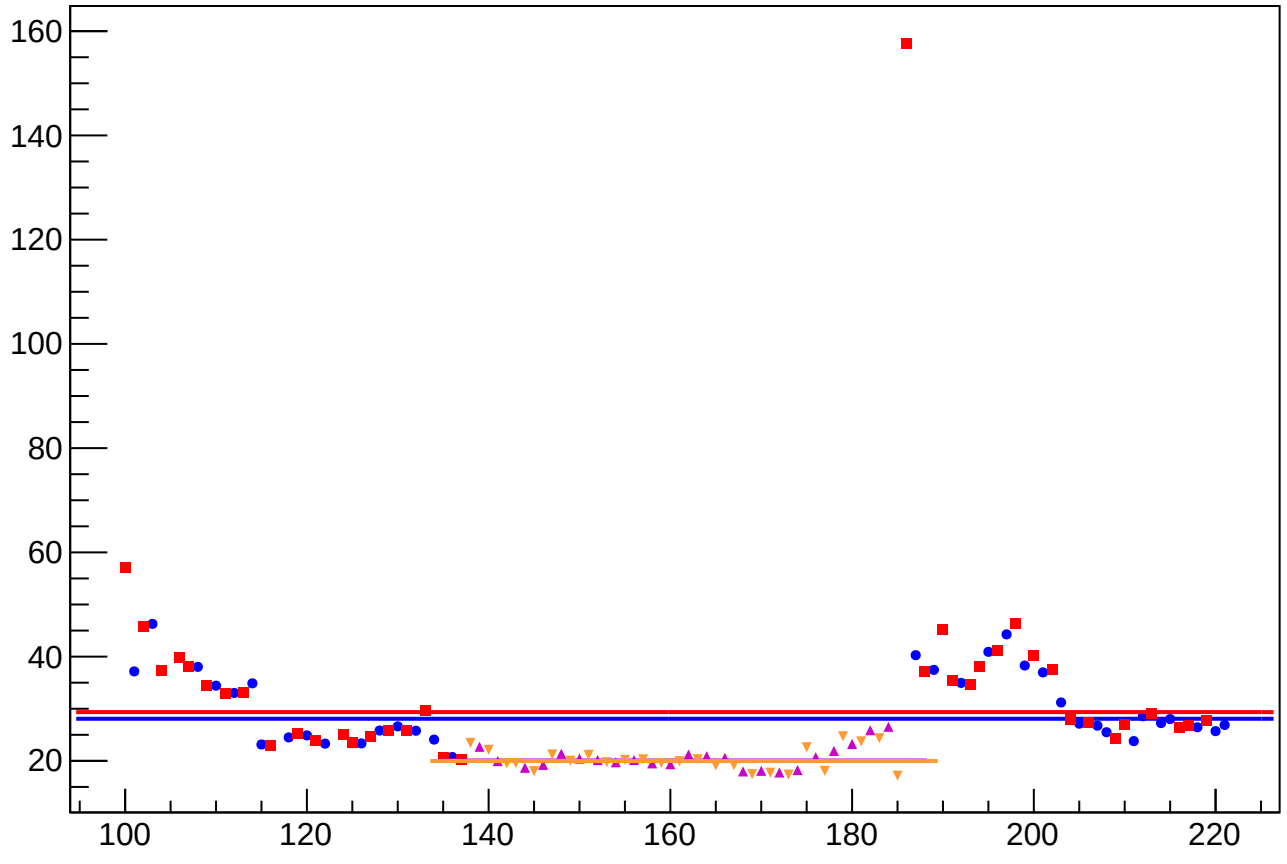
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 9.974+/-4.478 χ^2/NDF: 100.6/70

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 7.968+/-3.752 χ^2/NDF:102.6/61

All: 1.093+/-2.649 χ^2/NDF: 157.4/118



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: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

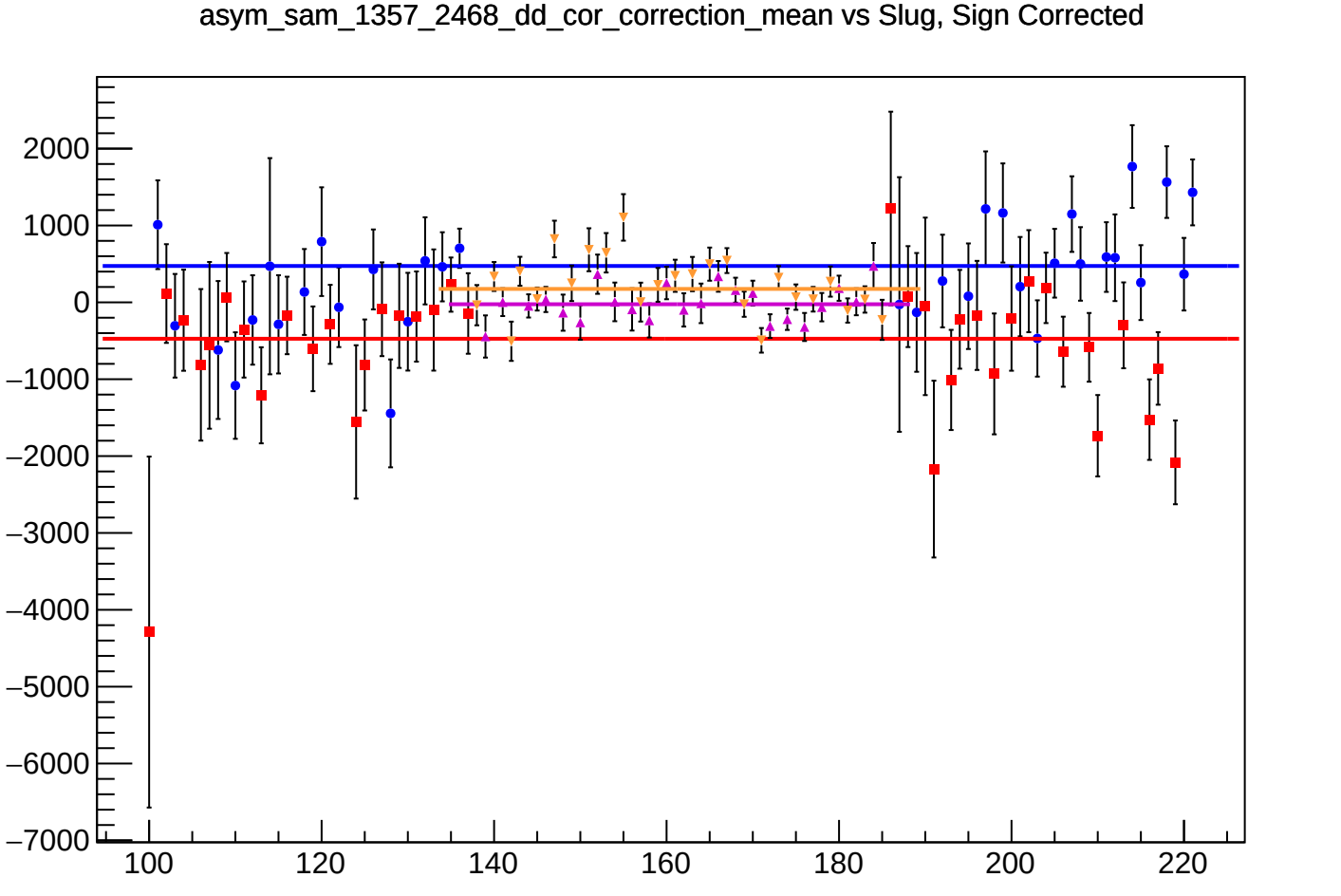
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.674+/-0.003 χ^2/NDF: 4073424.8/70

In: 23.056+/-0.003 χ^2/NDF:4087263.0/56

Out: 23.041+/-0.003 χ^2/NDF:5532507.7/61

All: 23.048+/-0.002 χ^2/NDF: 9619785.7/118



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: -473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

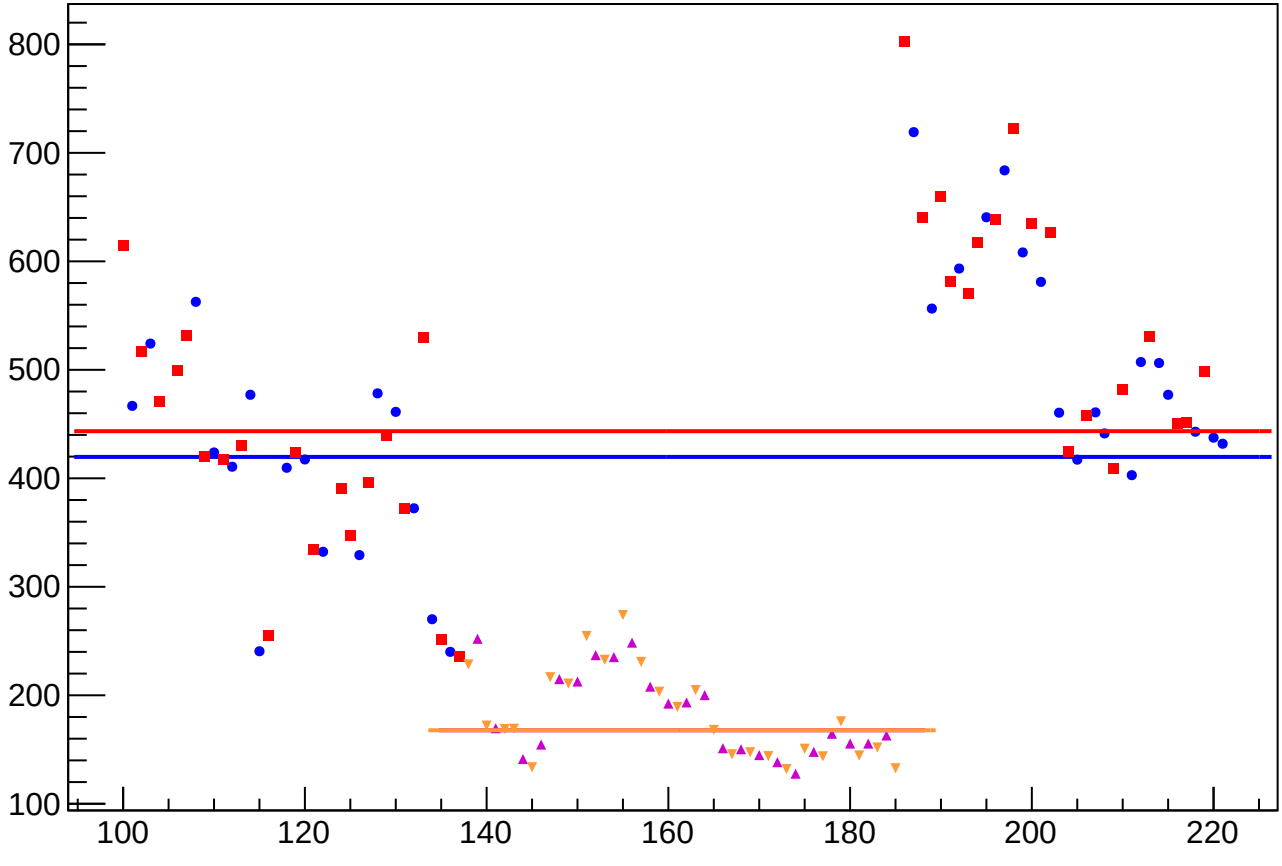
Right: 32.987+/-67.840 χ^2/NDF: 139.6/70

In: 53.706+/-36.784 χ^2/NDF:99.5/56

Out: 88.163+/-36.350 χ^2/NDF:150.8/61

All: 71.139+/-25.855 χ^2/NDF: 250.8/118

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: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

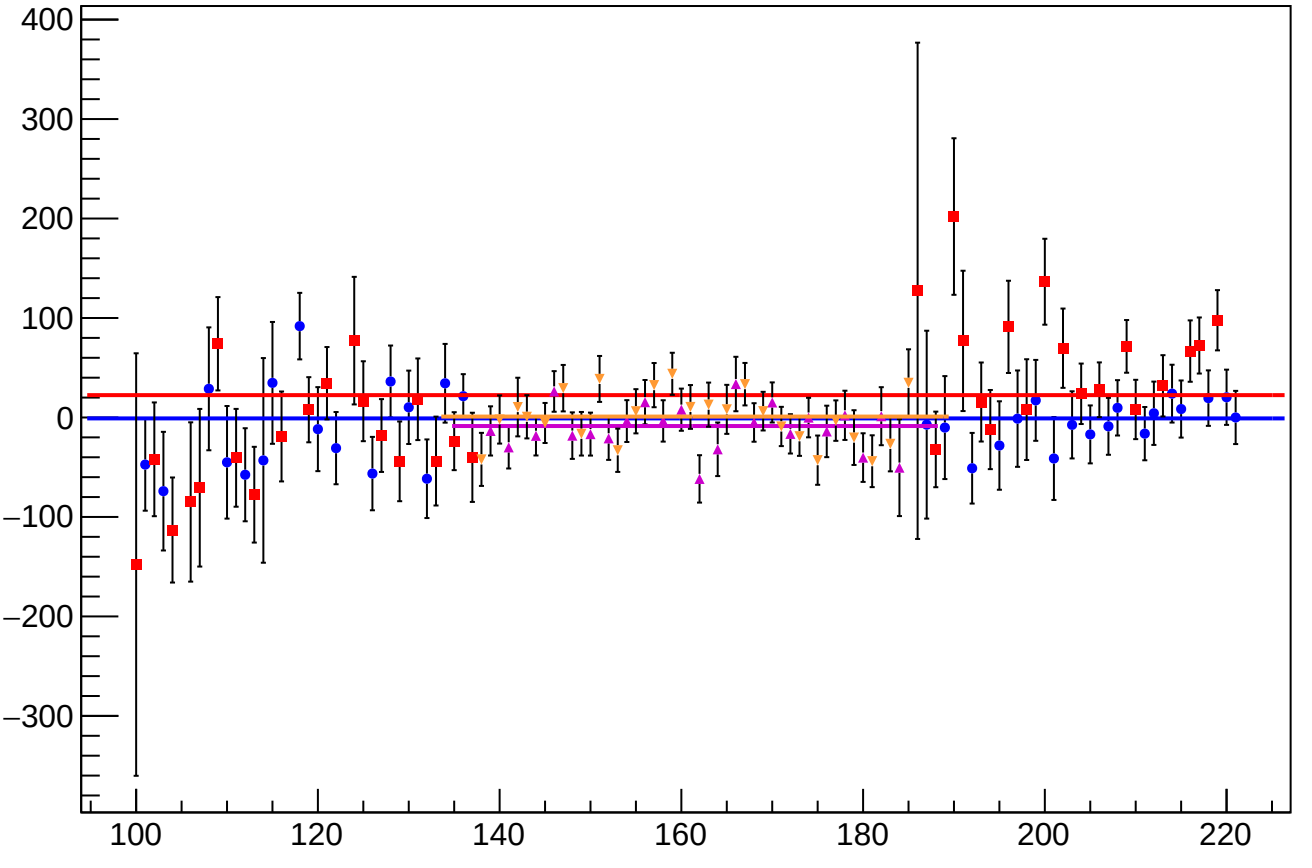
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 430.753+/-0.048 χ^2/NDF: 5864996.1/70

In: 207.386+/-0.026 χ^2/NDF:16701465.9/56

Out: 204.553+/-0.026 χ^2/NDF:17831558.8/61

All: 205.953+/-0.018 χ^2/NDF: 34539029.0/11



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: 22.468+/-6.559 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

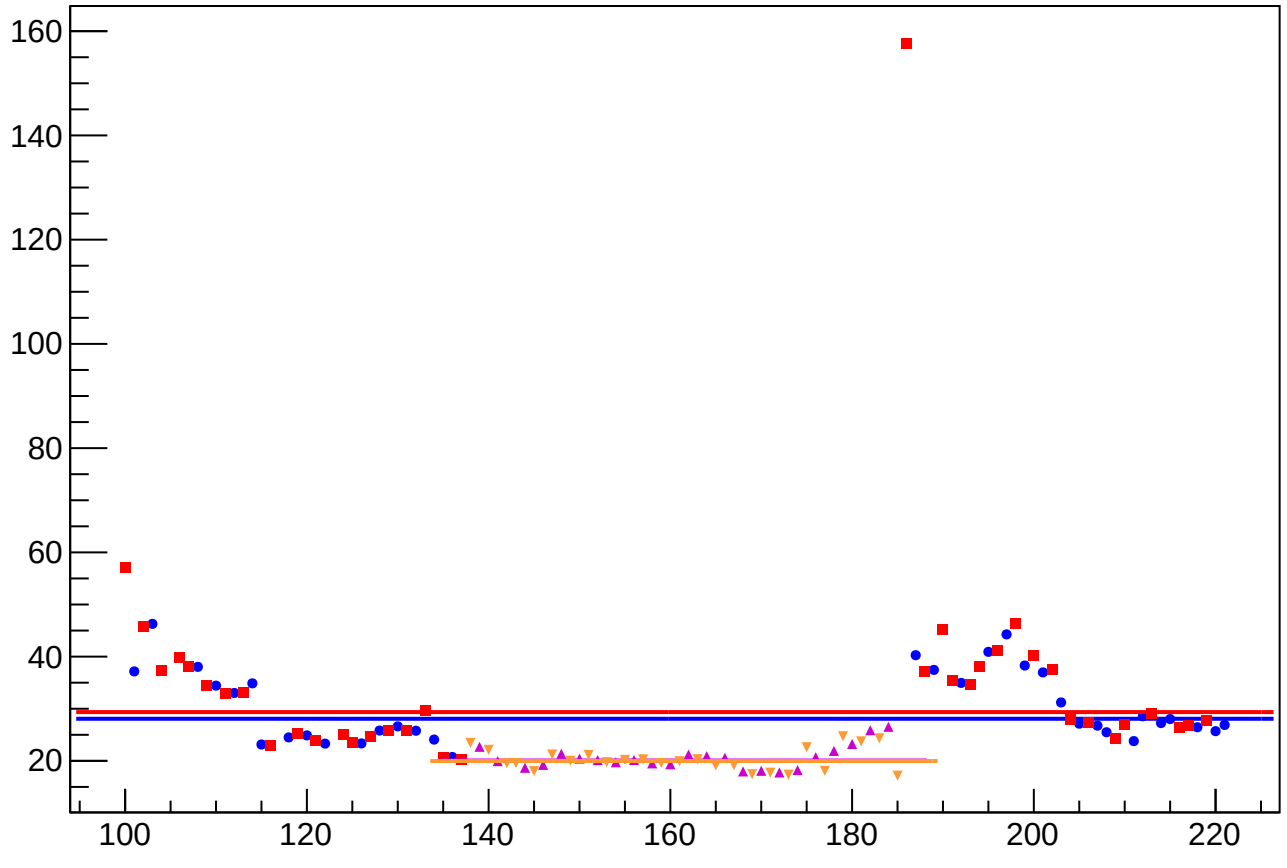
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 9.974+/-4.478 χ^2/NDF: 100.6/70

In: -5.744+/-3.741 χ^2/NDF:48.1/56

Out: 7.968+/-3.752 χ^2/NDF:102.6/61

All: 1.093+/-2.649 χ^2/NDF: 157.4/118



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: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

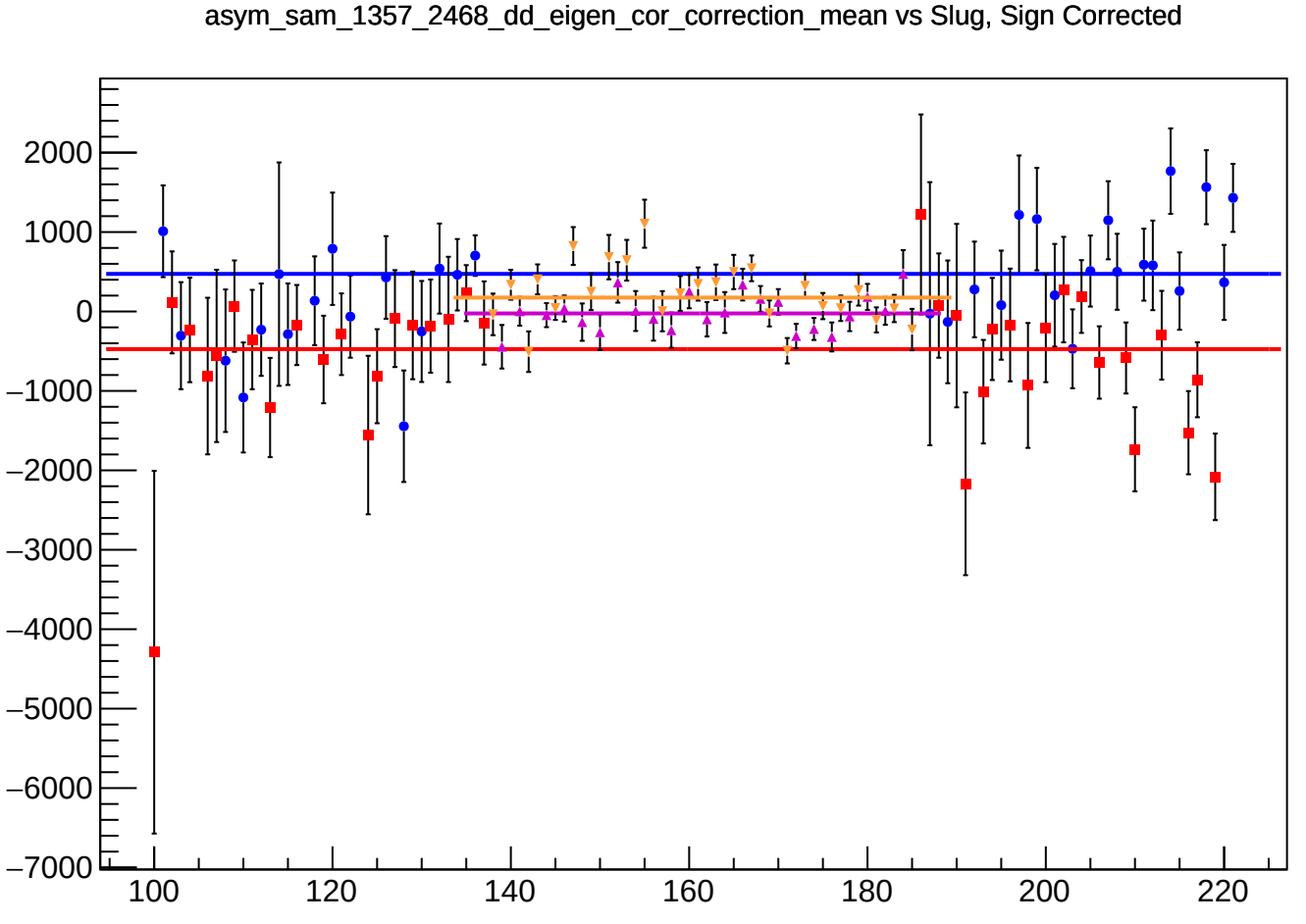
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.674+/-0.003 χ^2/NDF: 4073424.8/70

In: 23.056+/-0.003 χ^2/NDF:4087263.0/56

Out: 23.041+/-0.003 χ^2/NDF:5532507.7/61

All: 23.048+/-0.002 χ^2/NDF: 9619785.7/118



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: -473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

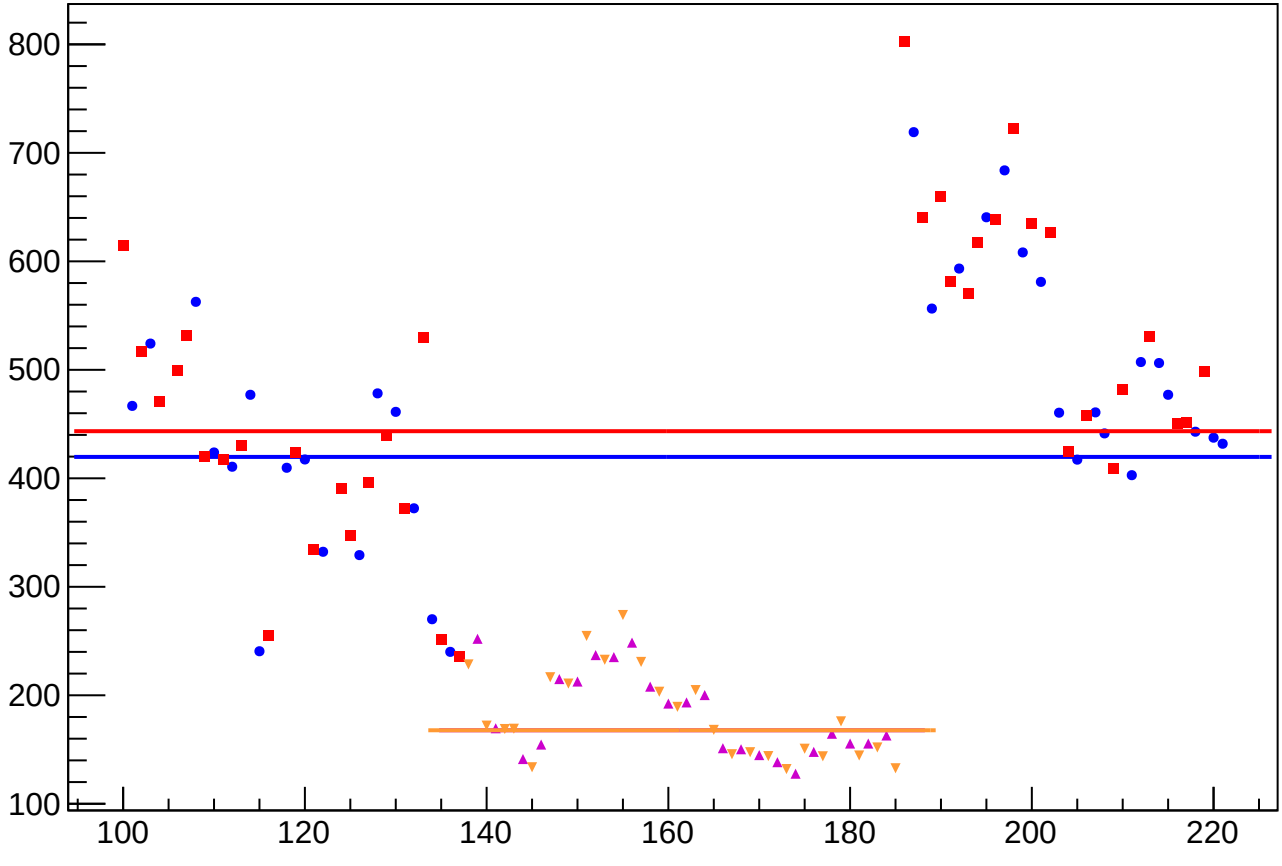
Right: 32.987+/-67.840 χ^2/NDF: 139.6/70

In: 53.706+/-36.784 χ^2/NDF:99.5/56

Out: 88.163+/-36.350 χ^2/NDF:150.8/61

All: 71.139+/-25.855 χ^2/NDF: 250.8/118

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: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

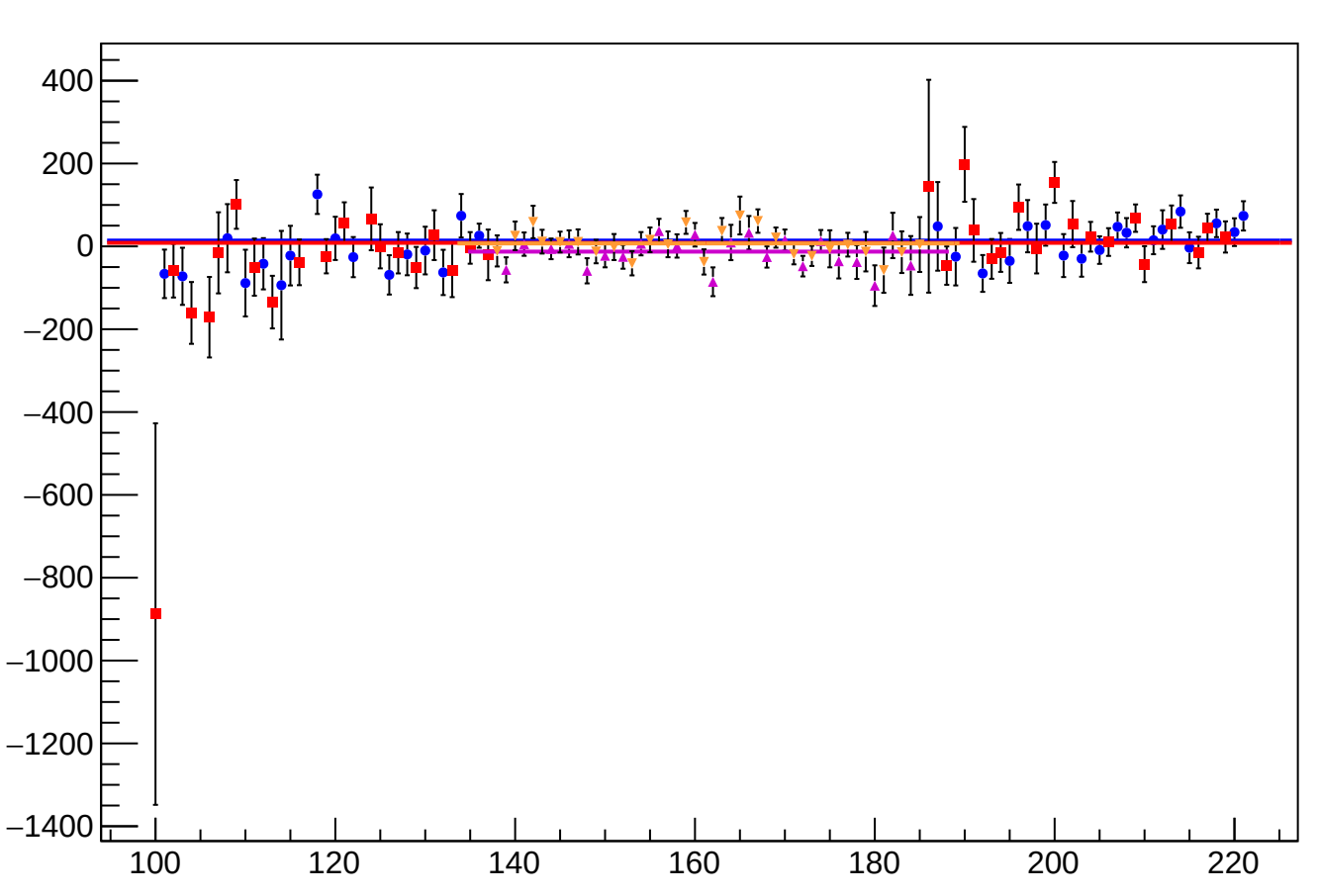
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 430.753+/-0.048 χ^2/NDF: 5864996.1/70

In: 207.386+/-0.026 χ^2/NDF:16701465.9/56

Out: 204.553+/-0.026 χ^2/NDF:17831558.8/61

All: 205.953+/-0.018 χ^2/NDF: 34539029.0/11



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: 8.579+/-8.357 χ^2/NDF: 54.2/36

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

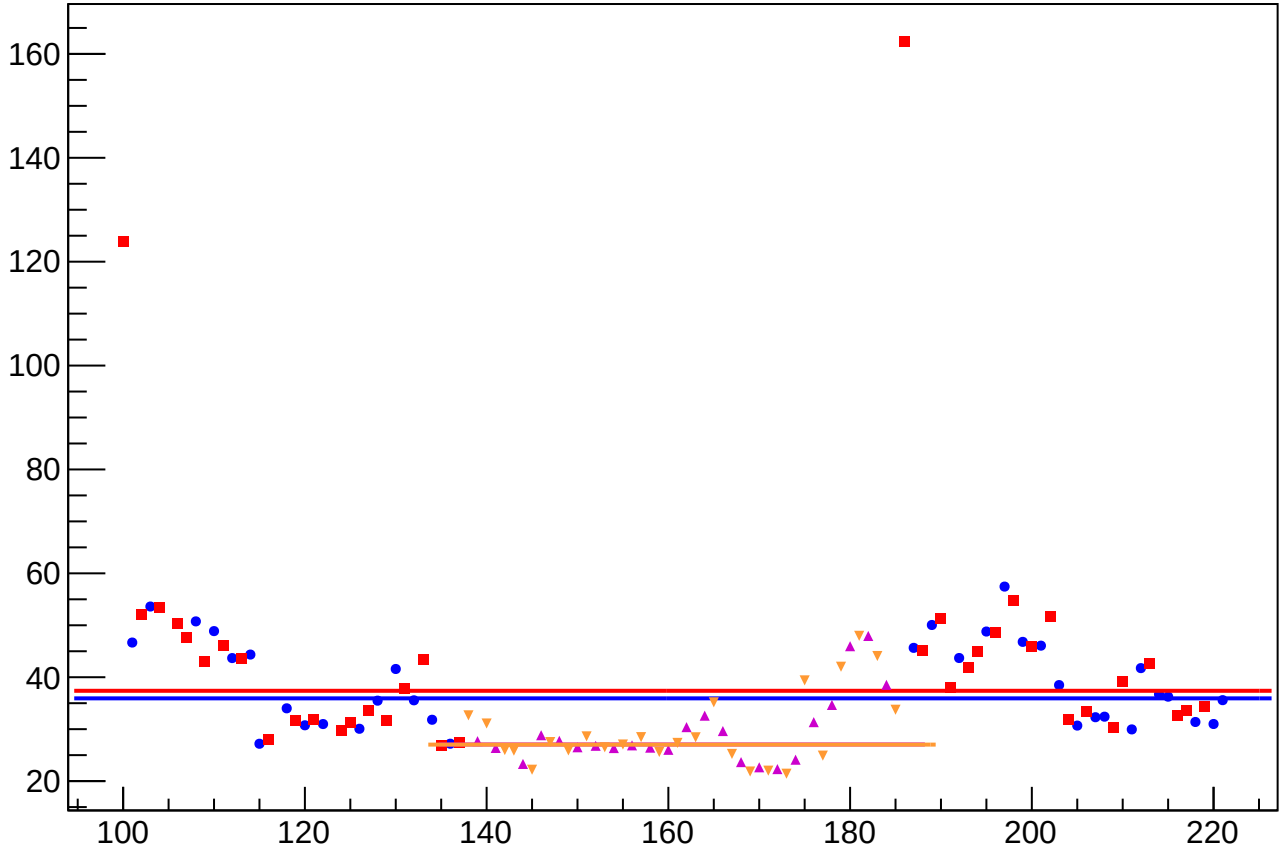
Right: 11.427+/-5.729 χ^2/NDF: 91.6/70

In: -1.863+/-5.018 χ^2/NDF:69.6/56

Out: 7.626+/-5.047 χ^2/NDF:76.9/61

All: 2.854+/-3.559 χ^2/NDF: 148.3/118

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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: 37.387+/-0.006 χ^2/NDF: 2175270.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

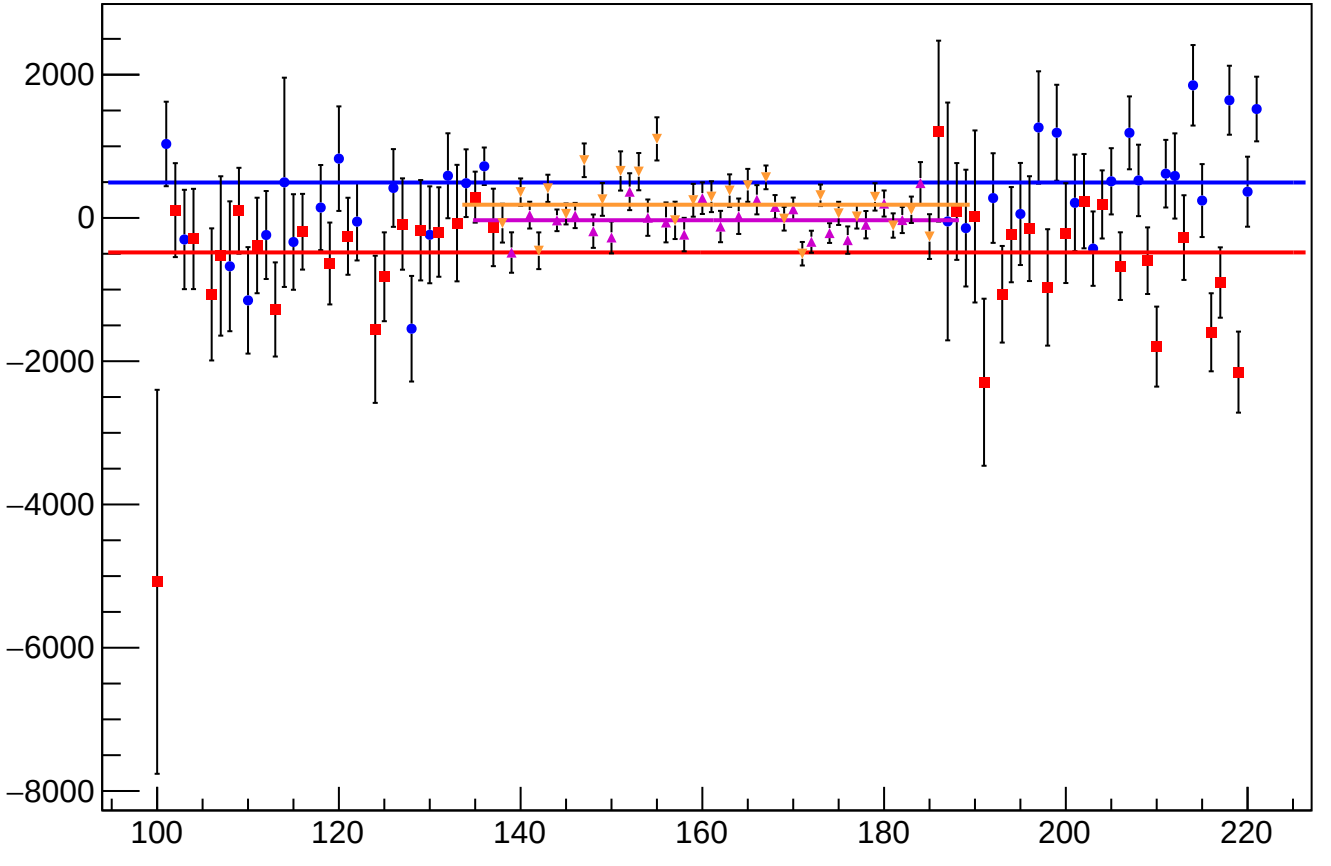
Right: 36.615+/-0.004 χ^2/NDF: 3836566.5/70

In: 30.661+/-0.004 χ^2/NDF:4184033.0/56

Out: 30.806+/-0.004 χ^2/NDF:5558589.5/61

All: 30.733+/-0.003 χ^2/NDF: 9743450.4/118

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: -481.453+/-103.108 χ^2/NDF: 44.2/36

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

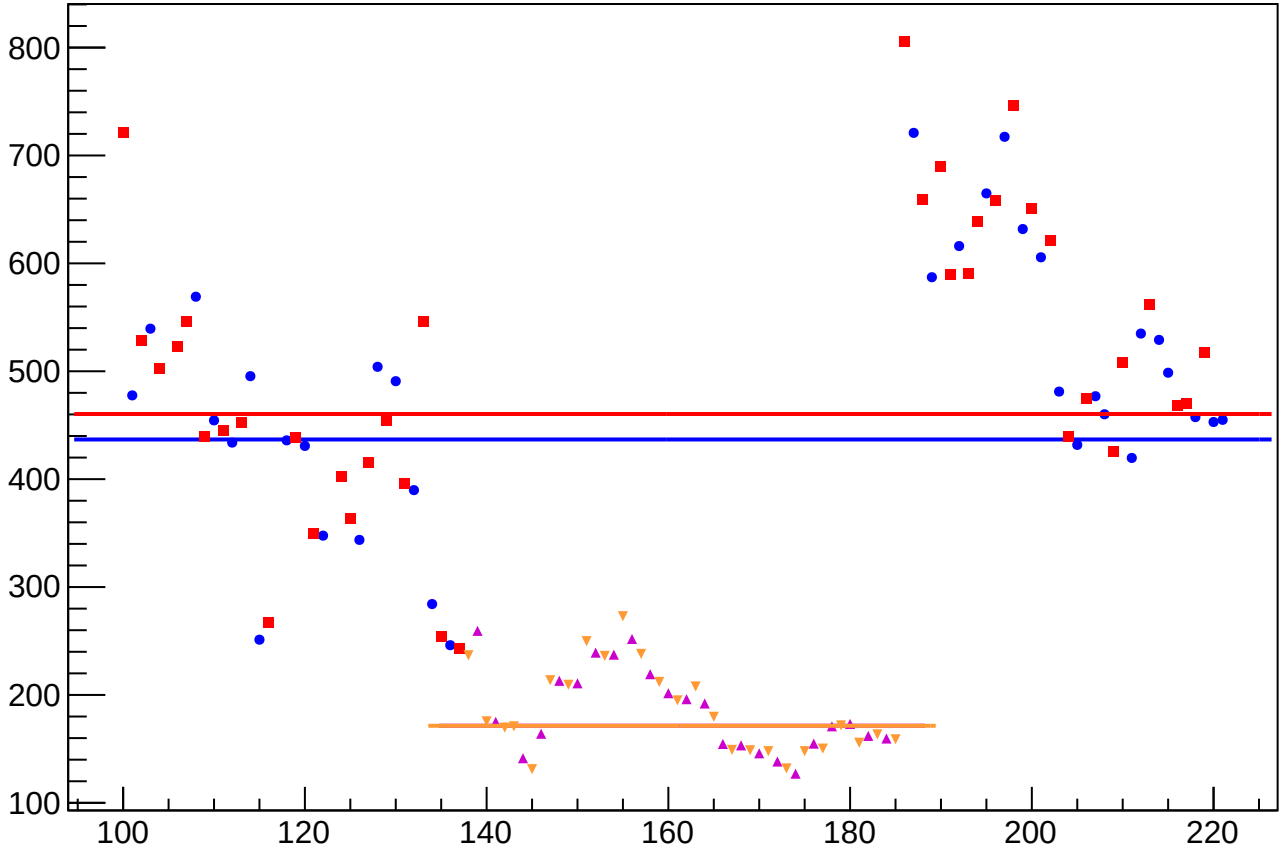
Right: 38.758+/-70.474 χ^2/NDF: 140.4/70

In: 48.507+/-37.718 χ^2/NDF:100.0/56

Out: 98.173+/-37.156 χ^2/NDF:148.2/61

All: 73.713+/-26.470 χ^2/NDF: 249.1/118

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: 460.391+/-0.073 χ^2/NDF: 2942486.9/36

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

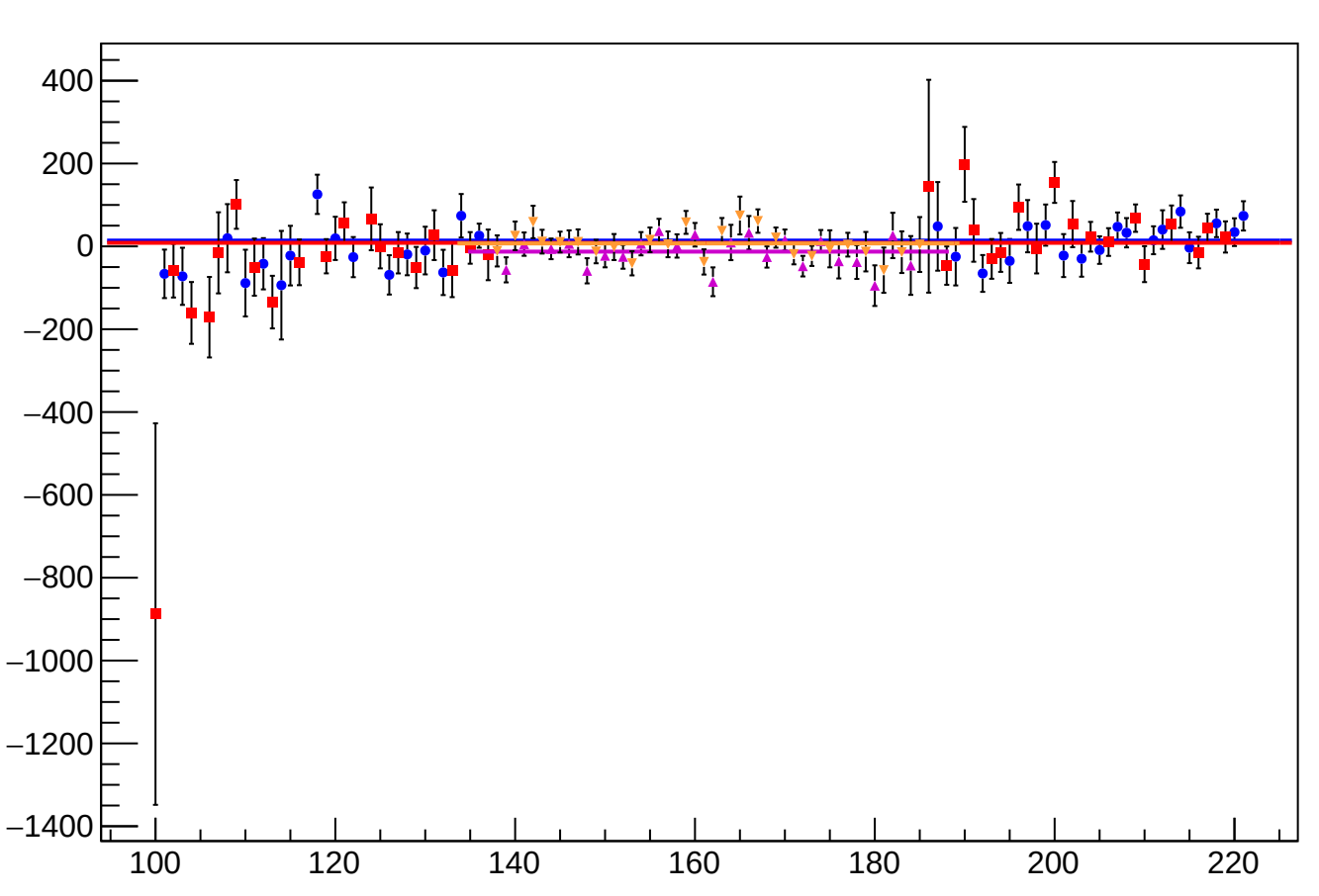
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 447.812+/-0.050 χ^2/NDF: 5907669.1/70

In: 211.982+/-0.027 χ^2/NDF:17121589.8/56

Out: 208.951+/-0.026 χ^2/NDF:18137882.7/61

All: 210.444+/-0.019 χ^2/NDF: 35266027.2/11



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: 8.580+/-8.357 χ^2/NDF: 54.2/36

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

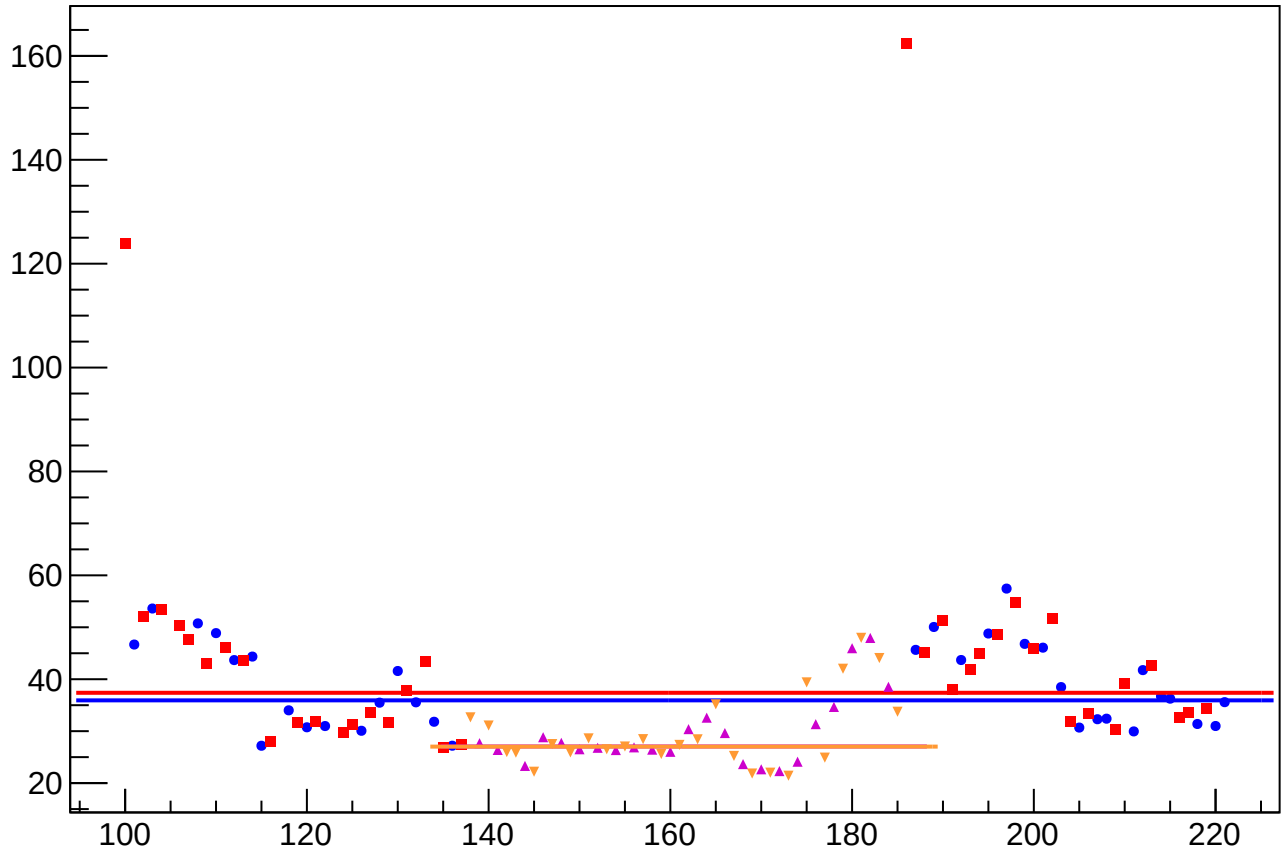
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 11.427+/-5.729 χ^2/NDF: 91.6/70

In: -1.864+/-5.018 χ^2/NDF:69.6/56

Out: 7.627+/-5.047 χ^2/NDF:76.9/61

All: 2.854+/-3.559 χ^2/NDF: 148.3/118



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: 37.387+/-0.006 χ^2/NDF: 2175244.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

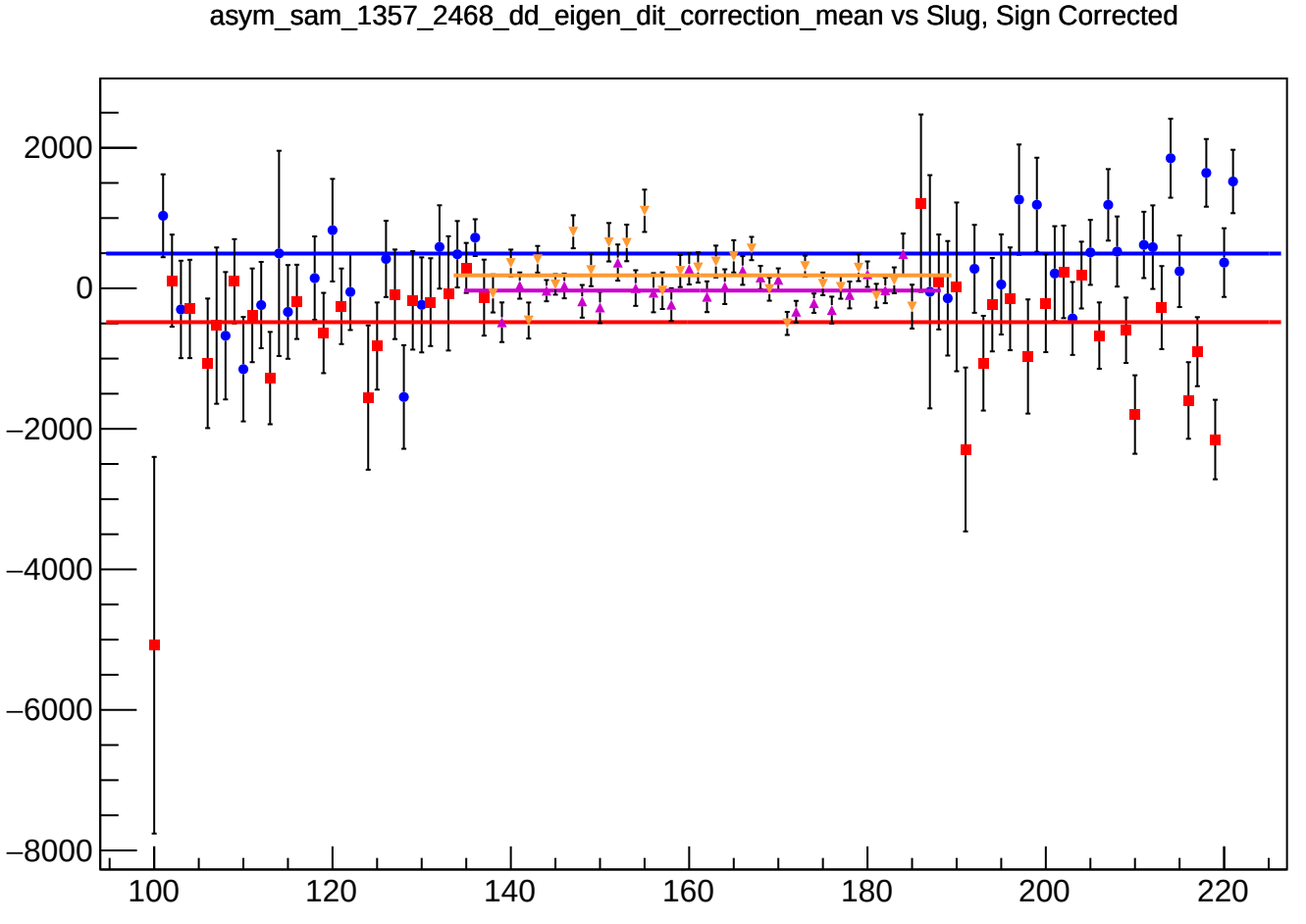
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 36.615+/-0.004 χ^2/NDF: 3836557.6/70

In: 30.661+/-0.004 χ^2/NDF:4183888.4/56

Out: 30.806+/-0.004 χ^2/NDF:5558499.6/61

All: 30.733+/-0.003 χ^2/NDF: 9743217.1/118



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: -481.452+/-103.108 χ^2/NDF: 44.2/36

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

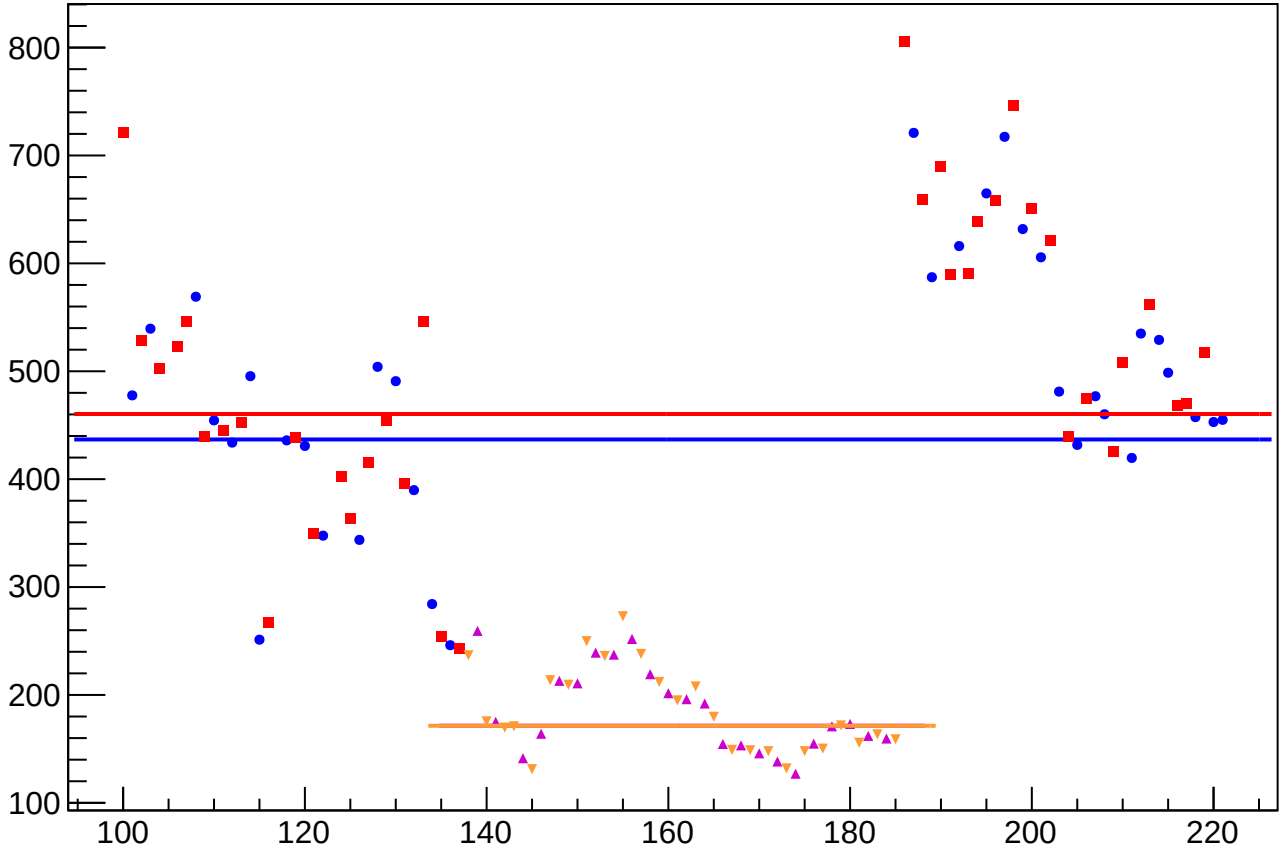
Right: 38.757+/-70.474 χ^2/NDF: 140.4/70

In: 48.506+/-37.718 χ^2/NDF:100.0/56

Out: 98.173+/-37.156 χ^2/NDF:148.2/61

All: 73.713+/-26.470 χ^2/NDF: 249.1/118

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: 460.390+/-0.073 χ^2/NDF: 2942497.3/36

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

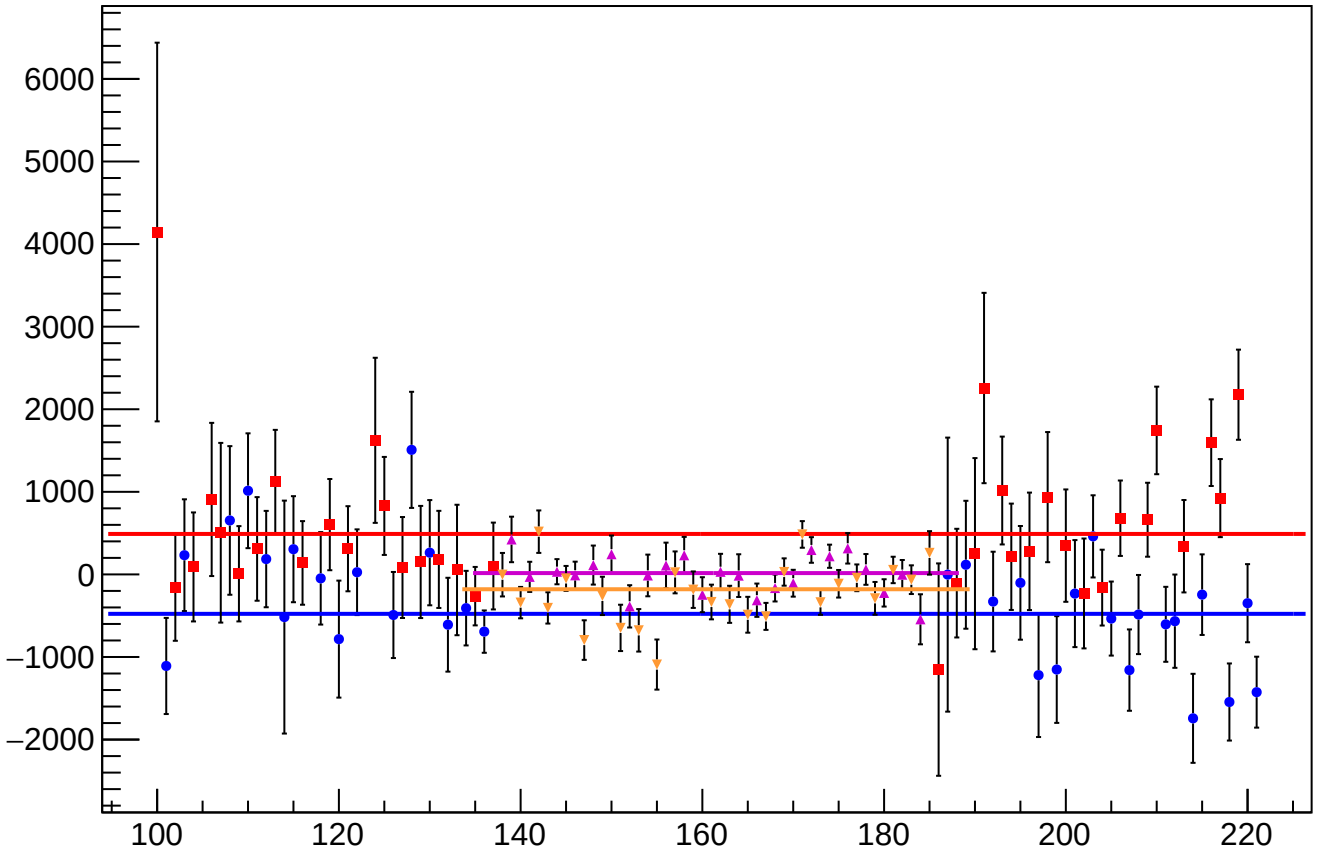
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 447.811+/-0.050 χ^2/NDF: 5907688.7/70

In: 211.981+/-0.027 χ^2/NDF:17121645.9/56

Out: 208.950+/-0.026 χ^2/NDF:18137945.2/61

All: 210.443+/-0.019 χ^2/NDF: 35266145.3/1



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: 490.062+/-99.682 χ^2/NDF: 44.6/36

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

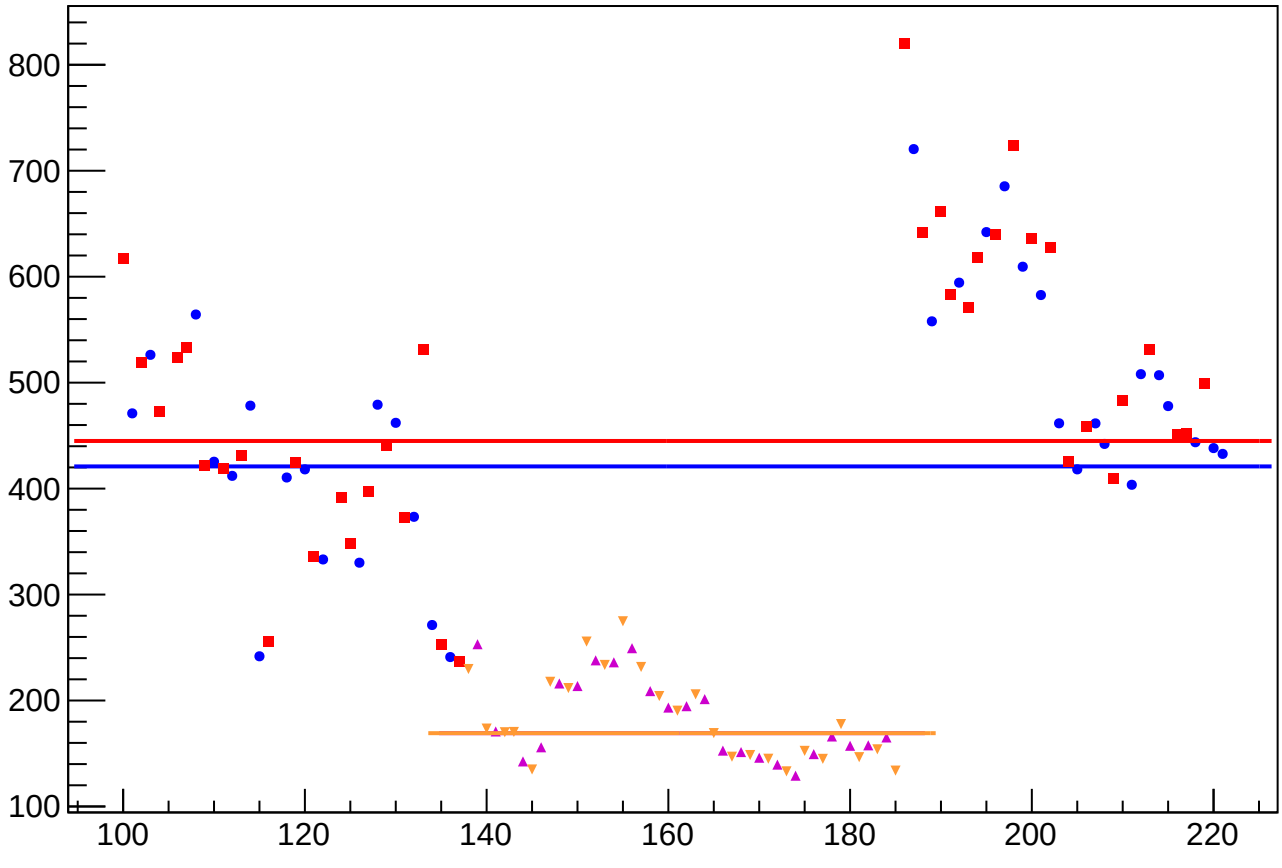
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -27.252+/-67.999 χ^2/NDF: 142.8/70

In: -62.288+/-37.051 χ^2/NDF:98.1/56

Out: -89.310+/-36.612 χ^2/NDF:150.8/61

All: -75.960+/-26.043 χ^2/NDF: 249.2/118



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: 444.953+/-0.070 χ^2/NDF: 2953028.6/36

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

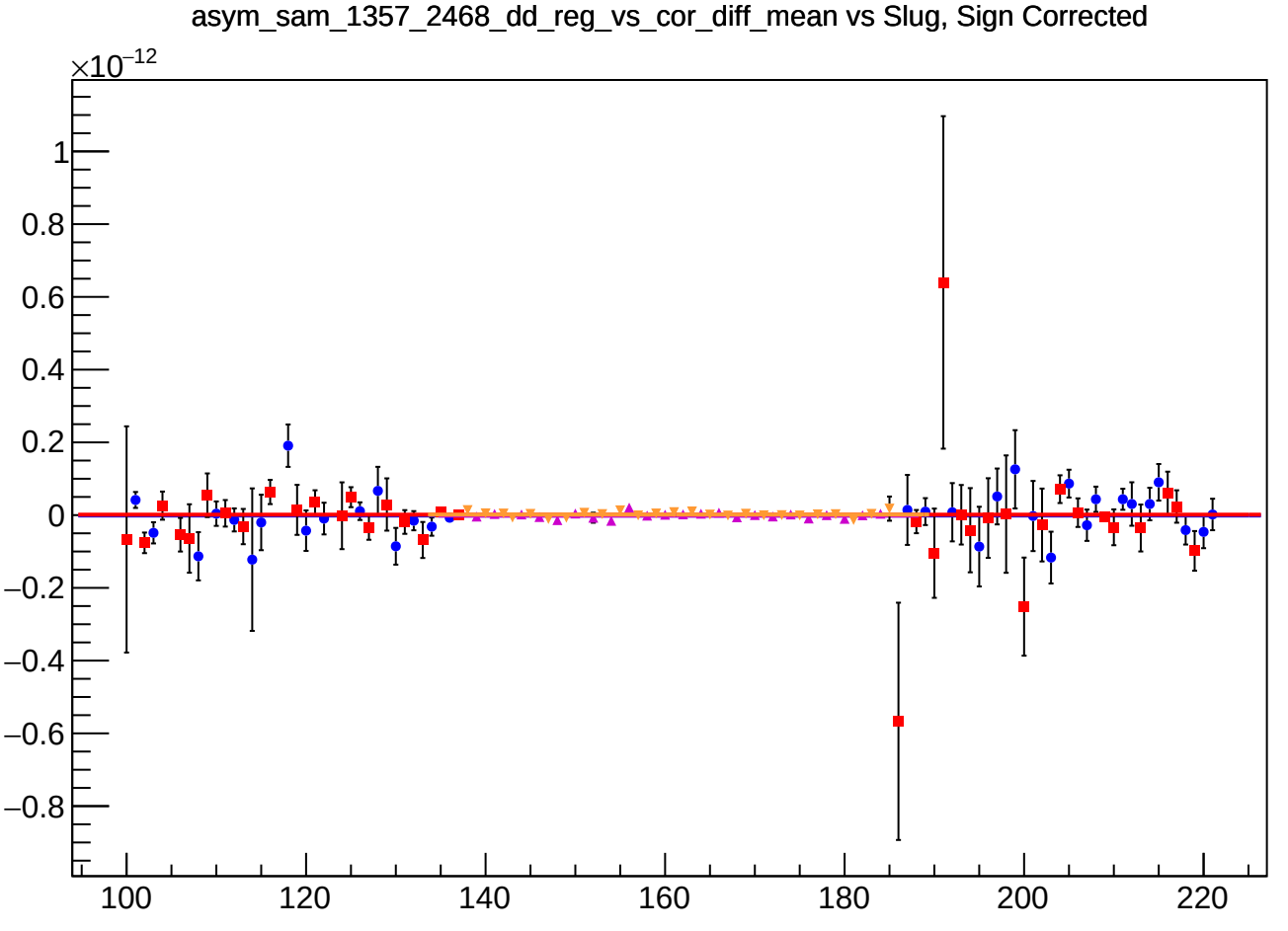
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 432.115+/-0.048 χ^2/NDF: 5860254.4/70

In: 209.151+/-0.026 χ^2/NDF:16550602.1/56

Out: 206.384+/-0.026 χ^2/NDF:17742869.6/61

All: 207.751+/-0.018 χ^2/NDF: 34299117.9/11



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: 42.3/36

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

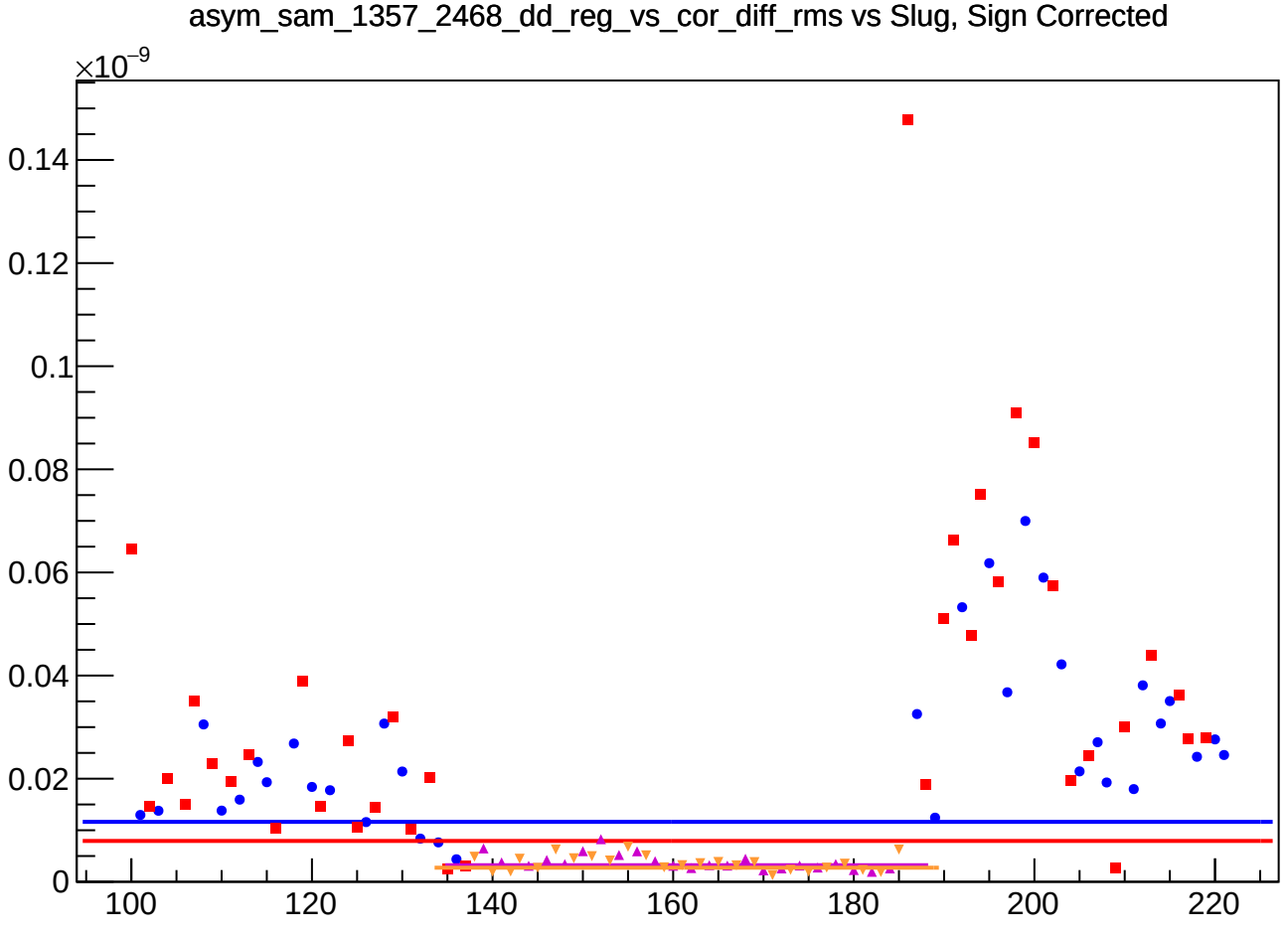
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 91.4/70

In: -0.000+/-0.000 χ^2/NDF:68.7/56

Out: 0.000+/-0.000 χ^2/NDF:61.1/61

All: 0.000+/-0.000 χ^2/NDF: 132.6/118



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: 10967878.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

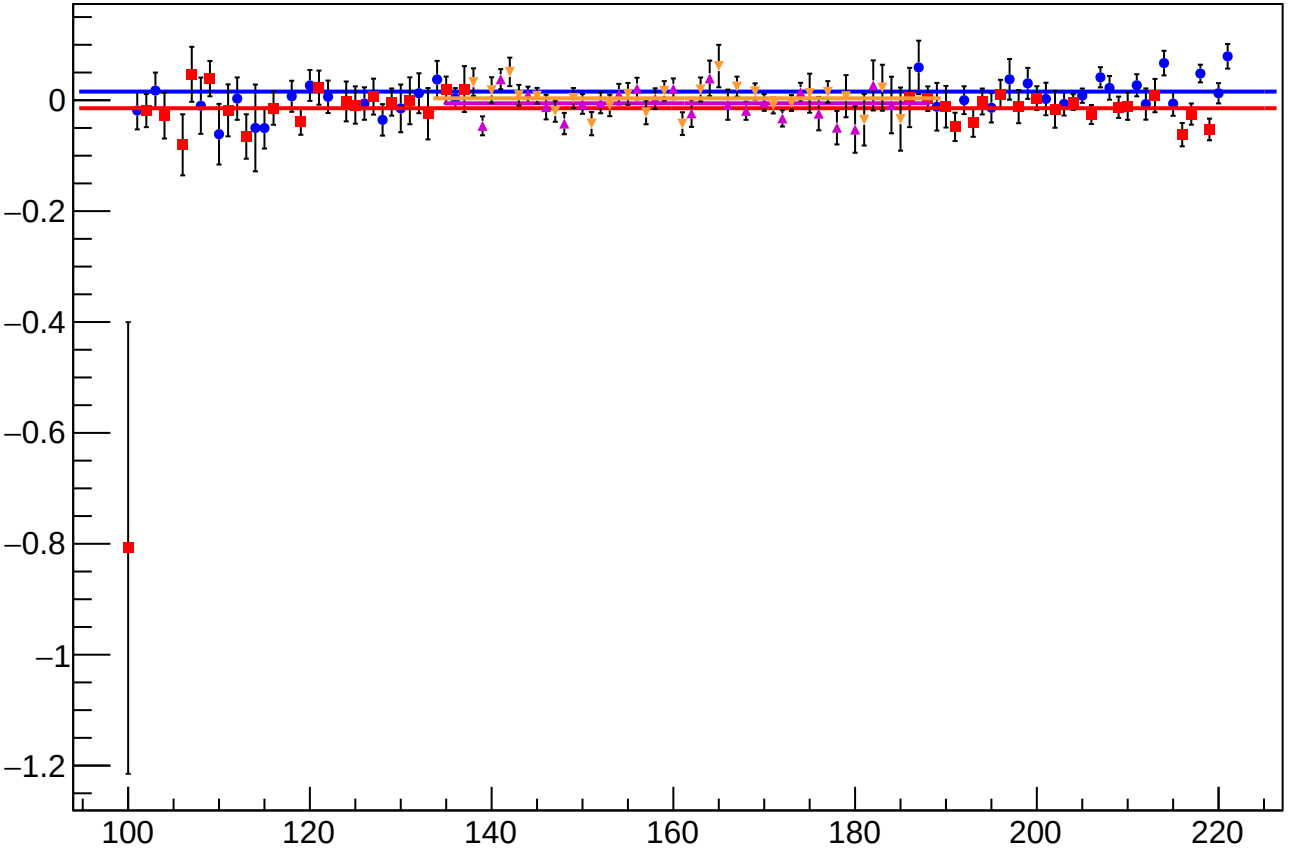
Right: 0.000+/-0.000 χ^2/NDF: 19442983.6/70

In: 0.000+/-0.000 χ^2/NDF:14344080.0/56

Out: 0.000+/-0.000 χ^2/NDF:15382075.4/61

All: 0.000+/-0.000 χ^2/NDF: 30060464.3/118

asym_sam_1357_2468_dd_dit_vs_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: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

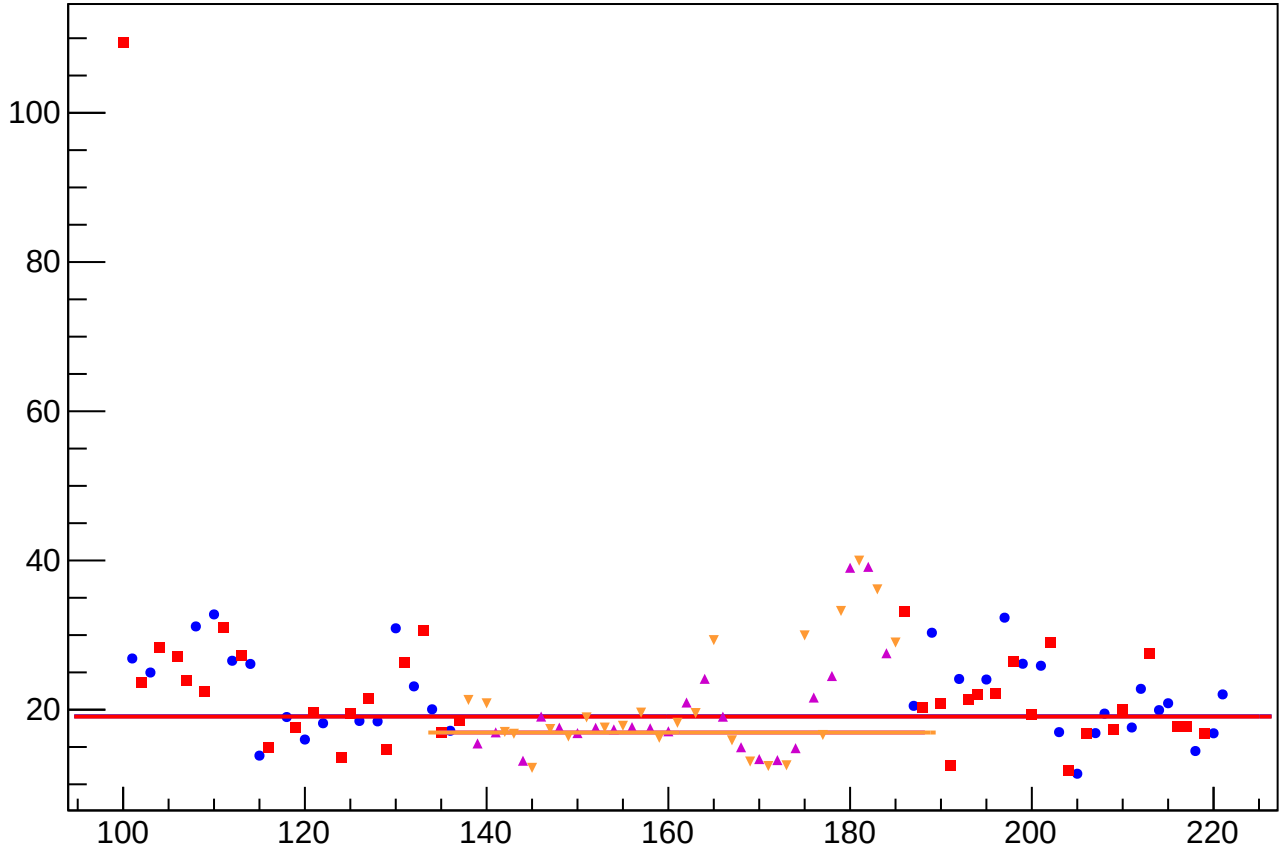
Right: 0.001+/-0.003 χ^2/NDF: 96.9/70

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.000+/-0.002 χ^2/NDF: 159.6/118

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: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

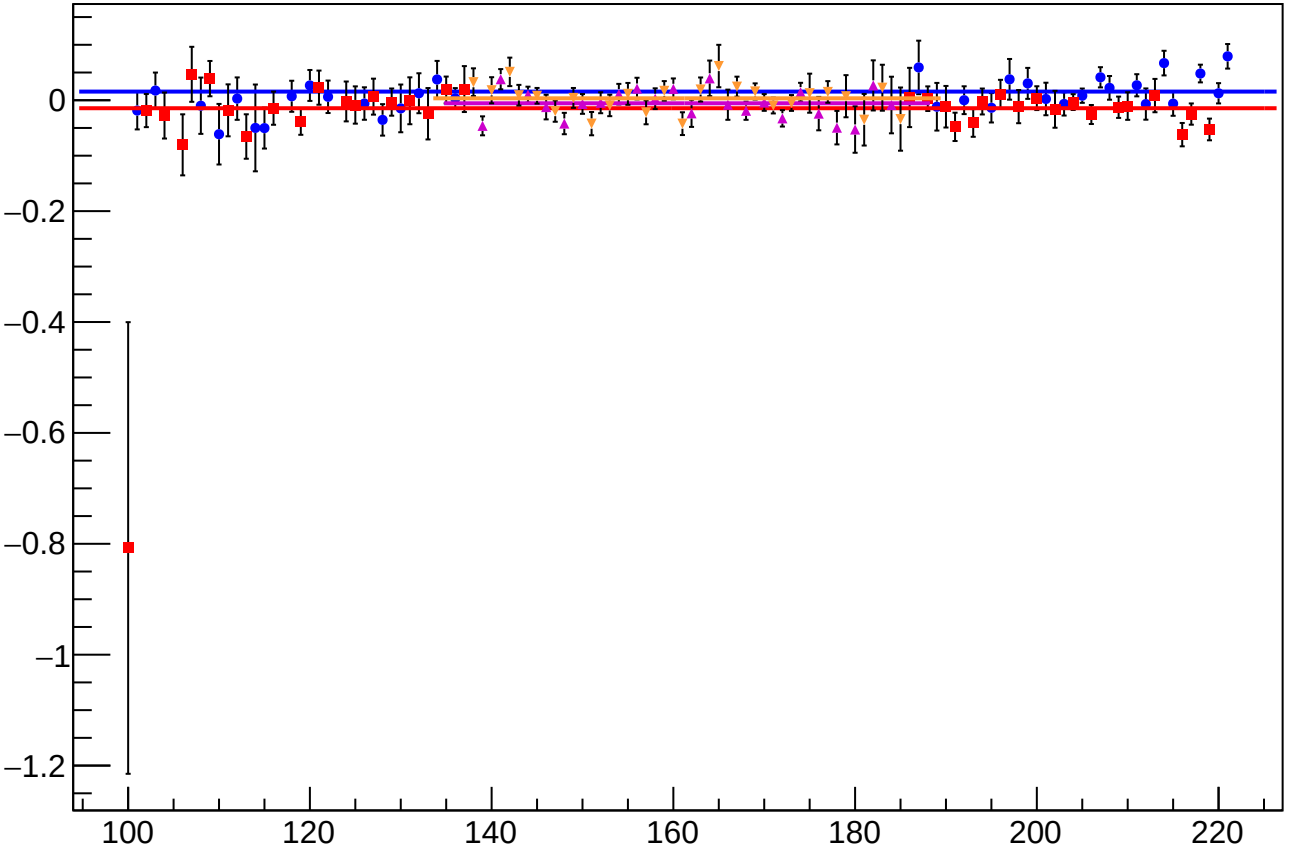
Right: 19.095+/-0.002 χ^2/NDF: 4946020.2/70

In: 17.988+/-0.002 χ^2/NDF:4808288.5/56

Out: 17.925+/-0.002 χ^2/NDF:5426781.1/61

All: 17.956+/-0.002 χ^2/NDF: 10235514.0/118

asym_sam_1357_2468_dd_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: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

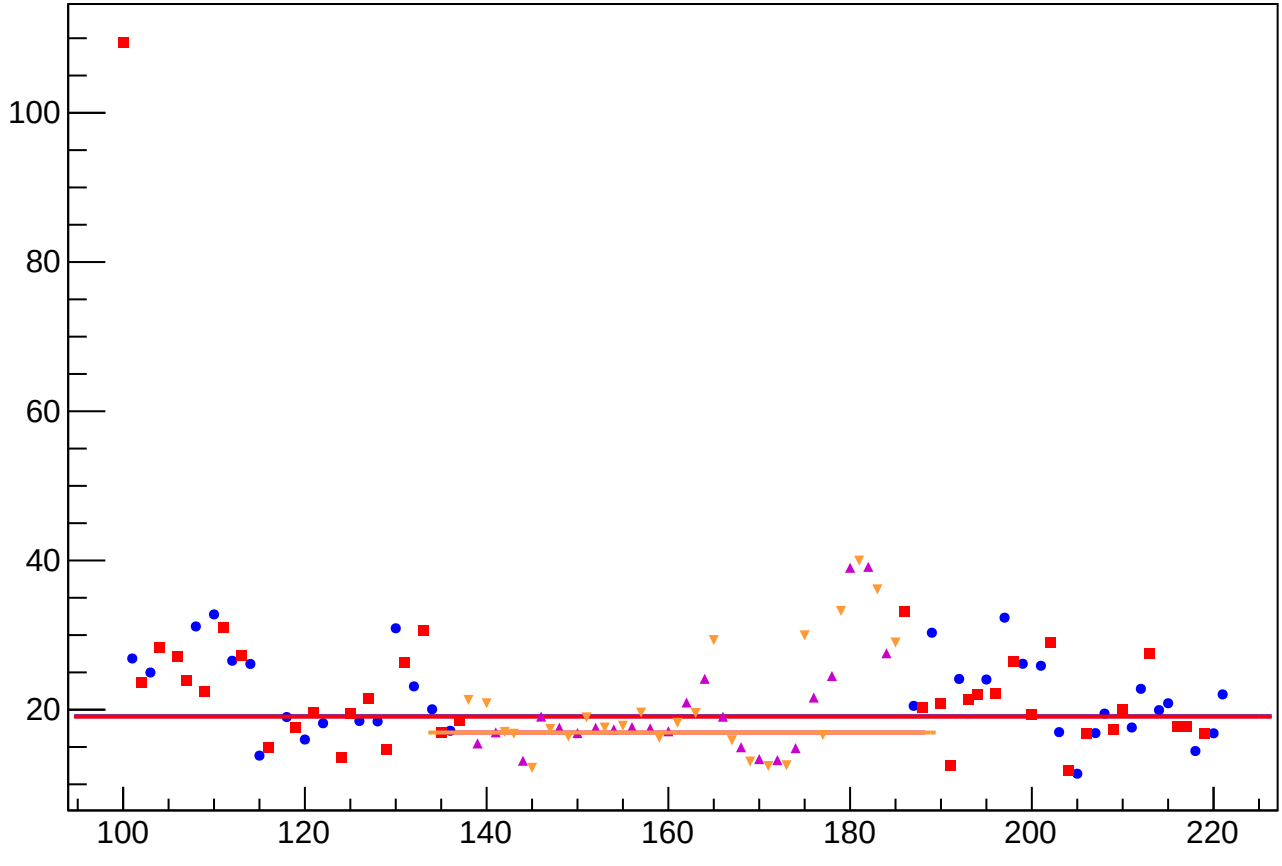
Right: 0.001+/-0.003 χ^2/NDF: 96.9/70

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.000+/-0.002 χ^2/NDF: 159.6/118

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: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

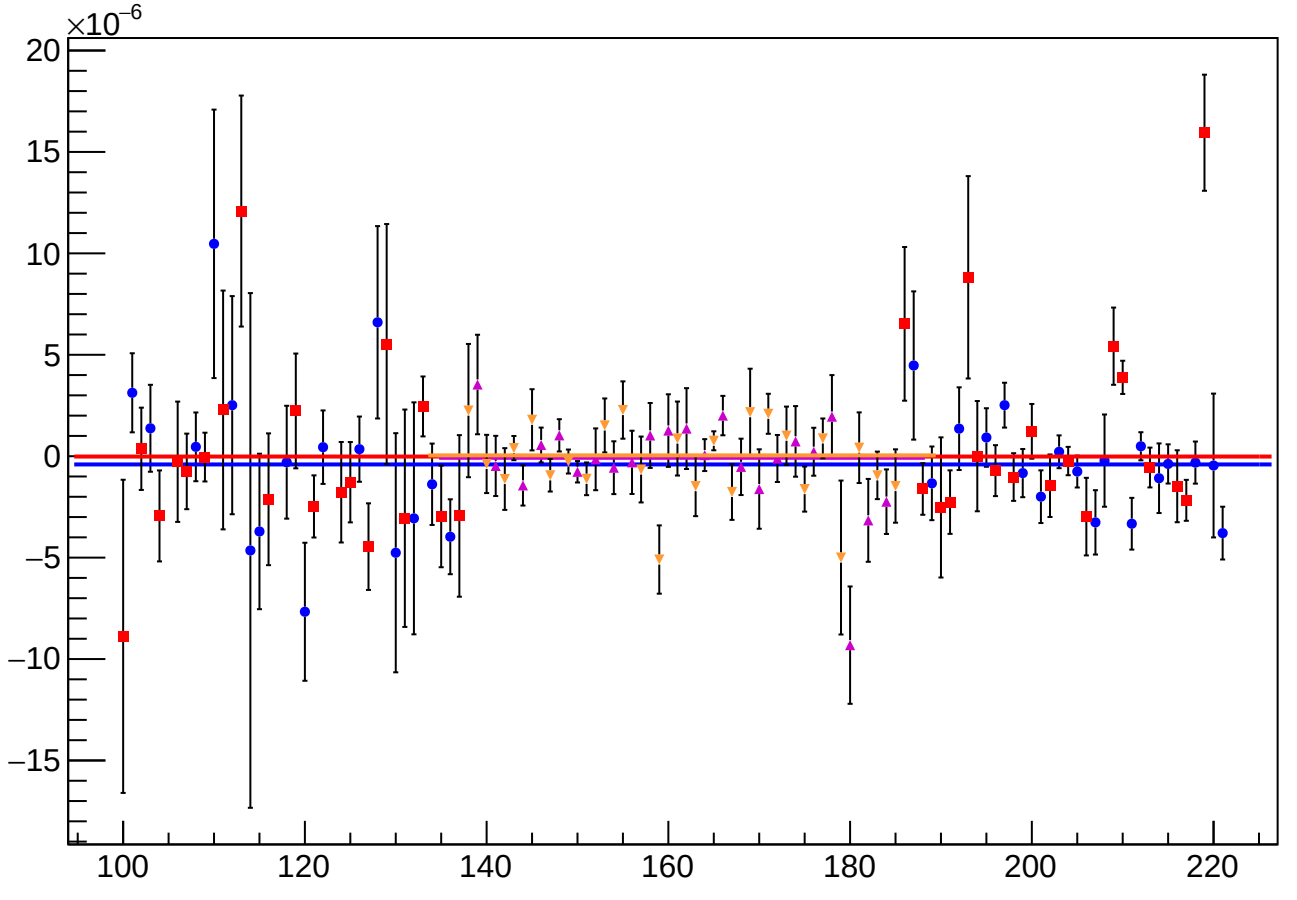
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.095+/-0.002 χ^2/NDF: 4946020.2/70

In: 17.988+/-0.002 χ^2/NDF:4808288.5/56

Out: 17.925+/-0.002 χ^2/NDF:5426781.1/61

All: 17.956+/-0.002 χ^2/NDF: 10235514.0/118



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: 105.8/36

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

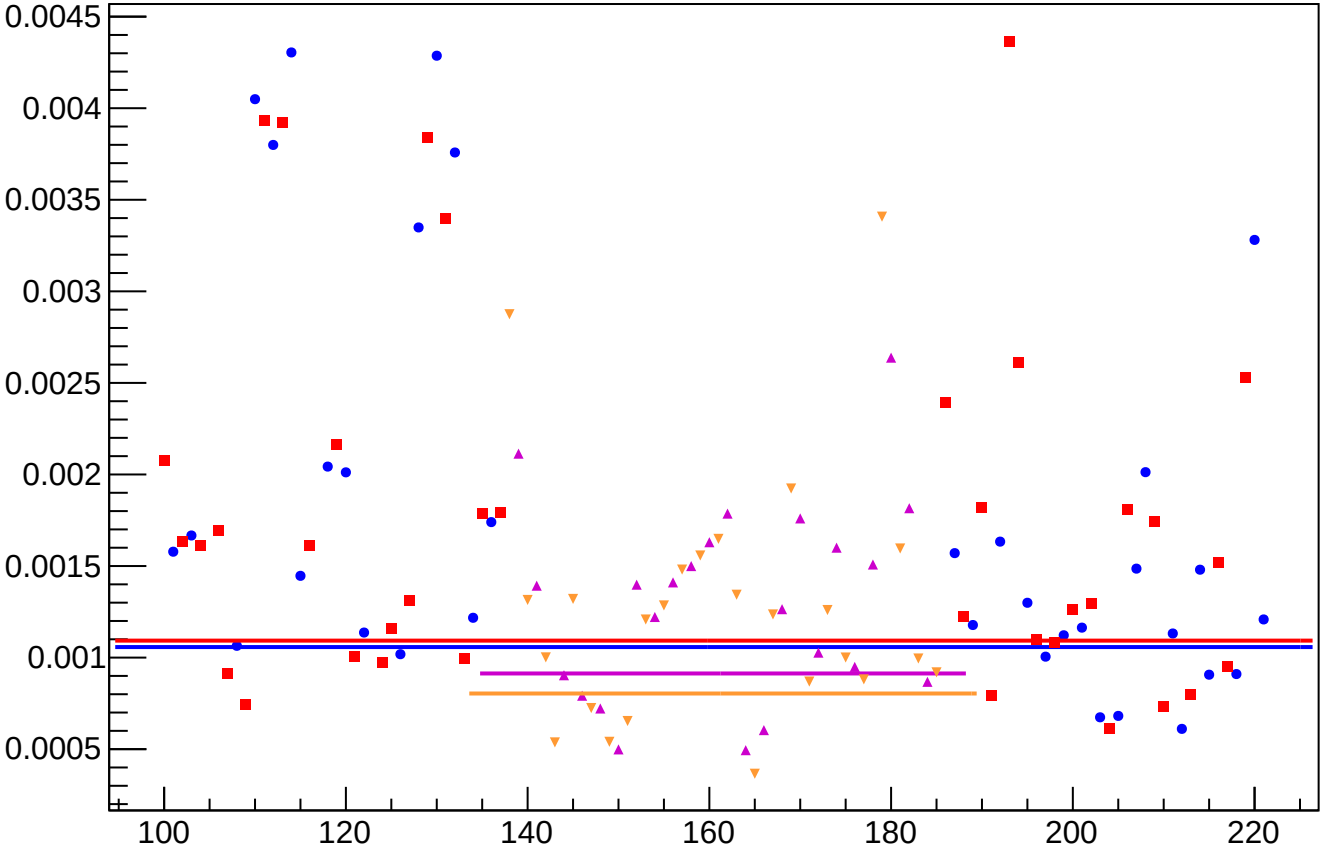
Right: -0.000+/-0.000 χ^2/NDF: 157.1/70

In: -0.000+/-0.000 χ^2/NDF:82.0/56

Out: 0.000+/-0.000 χ^2/NDF:143.0/61

All: -0.000+/-0.000 χ^2/NDF: 226.1/118

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: 7548081.4/36

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

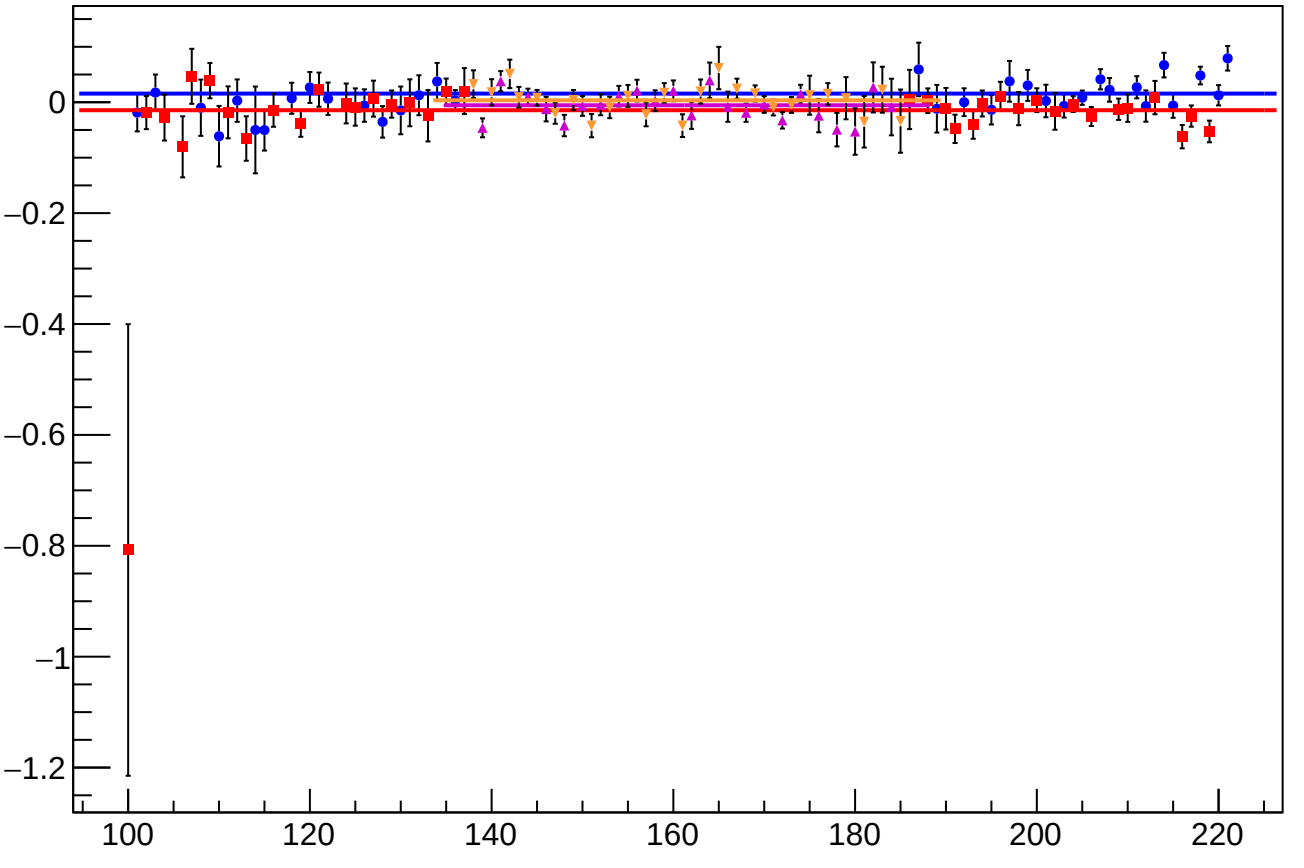
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 14718490.2/70

In: 0.001+/-0.000 χ^2/NDF:13930326.8/56

Out: 0.001+/-0.000 χ^2/NDF:17250197.3/61

All: 0.001+/-0.000 χ^2/NDF: 31342603.8/118



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: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

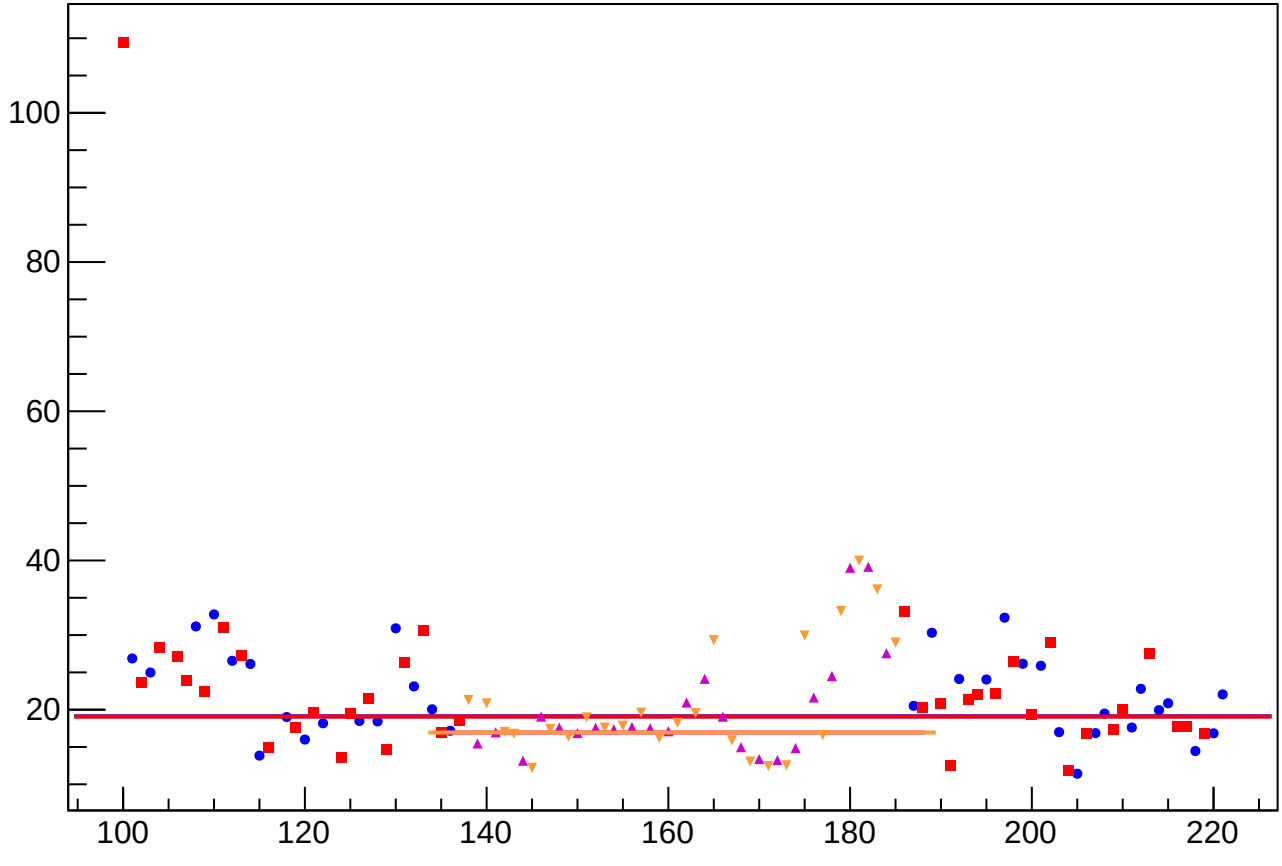
Right: 0.001+/-0.003 χ^2/NDF: 96.9/70

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.000+/-0.002 χ^2/NDF: 159.6/118

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: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

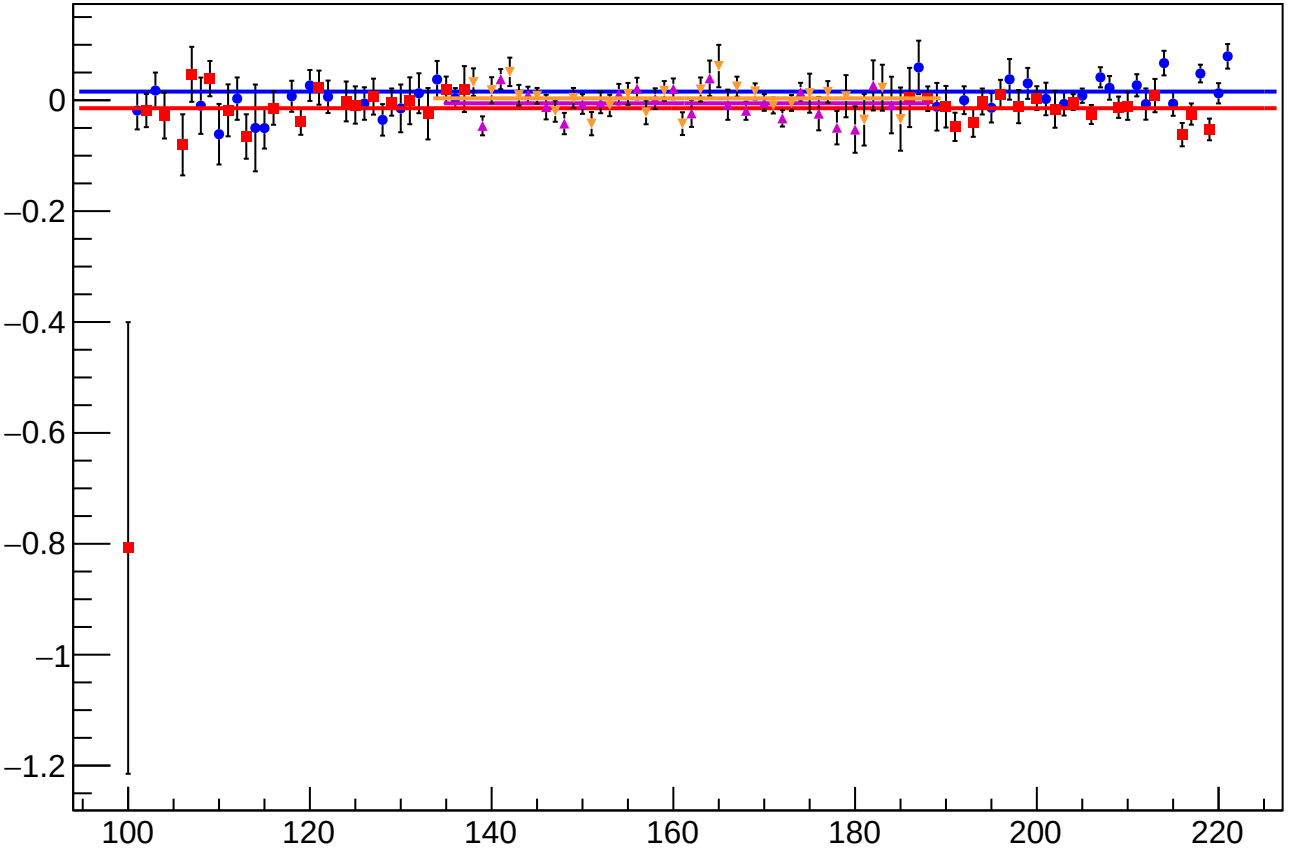
Right: 19.095+/-0.002 χ^2/NDF: 4946144.3/70

In: 17.988+/-0.002 χ^2/NDF:4808241.3/56

Out: 17.925+/-0.002 χ^2/NDF:5426715.6/61

All: 17.956+/-0.002 χ^2/NDF: 10235398.6/118

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: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

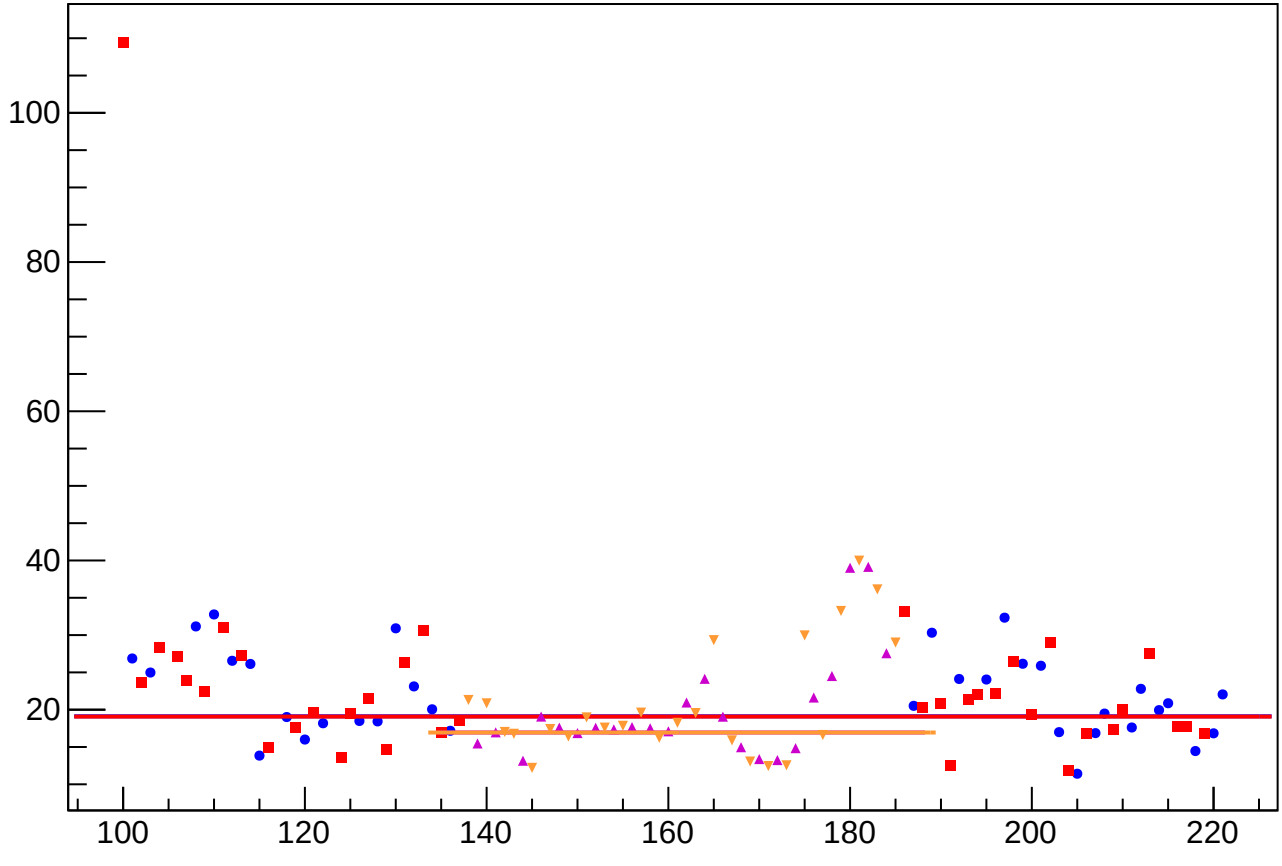
Right: 0.001+/-0.003 χ^2/NDF: 96.9/70

In: 0.005+/-0.003 χ^2/NDF:85.1/56

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.000+/-0.002 χ^2/NDF: 159.6/118

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: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

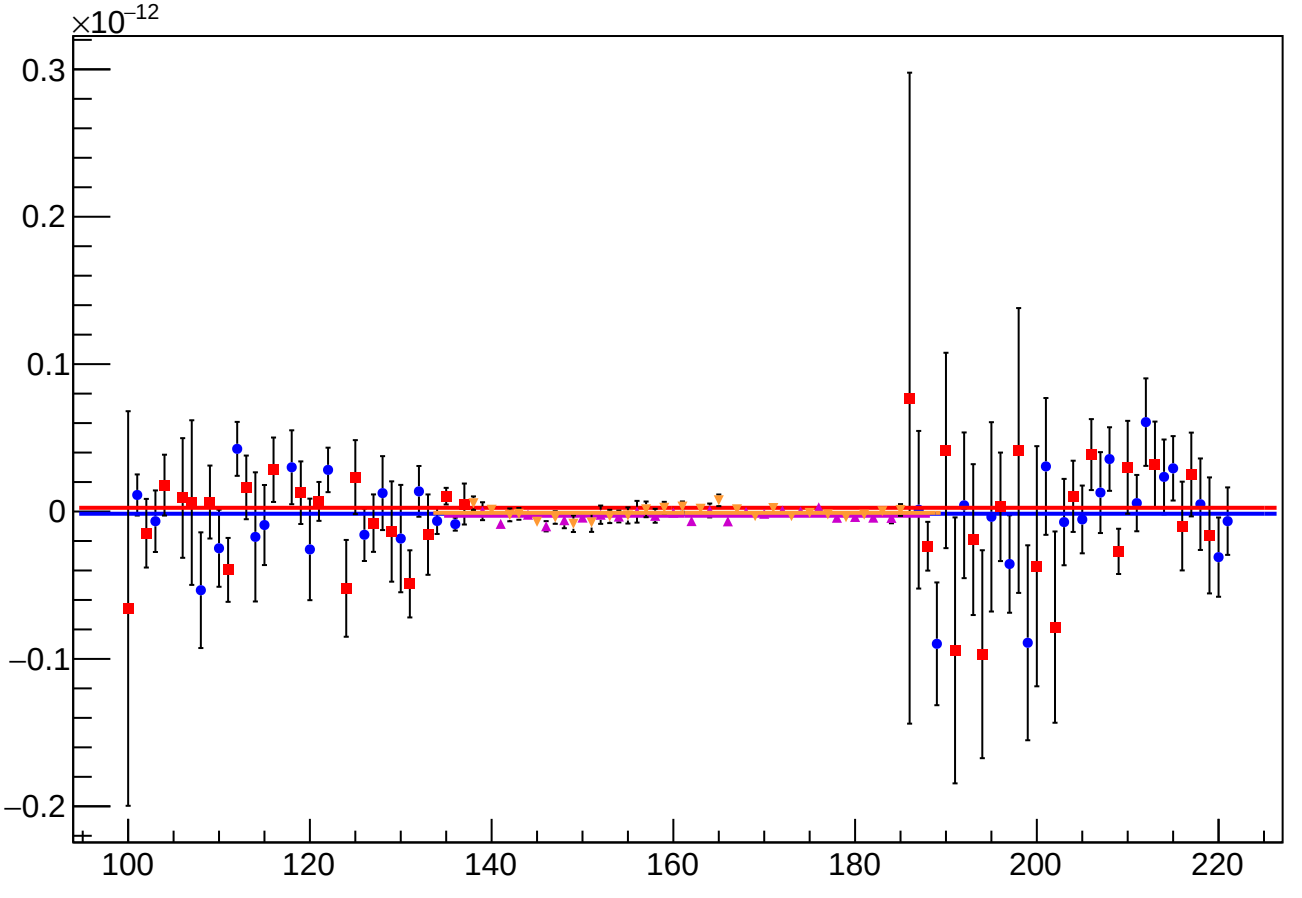
Right: 19.095+/-0.002 χ^2/NDF: 4946144.3/70

In: 17.988+/-0.002 χ^2/NDF:4808241.3/56

Out: 17.925+/-0.002 χ^2/NDF:5426715.6/61

All: 17.956+/-0.002 χ^2/NDF: 10235398.6/118

asym_sam_1357_2468_dd_eigen_cor_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:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

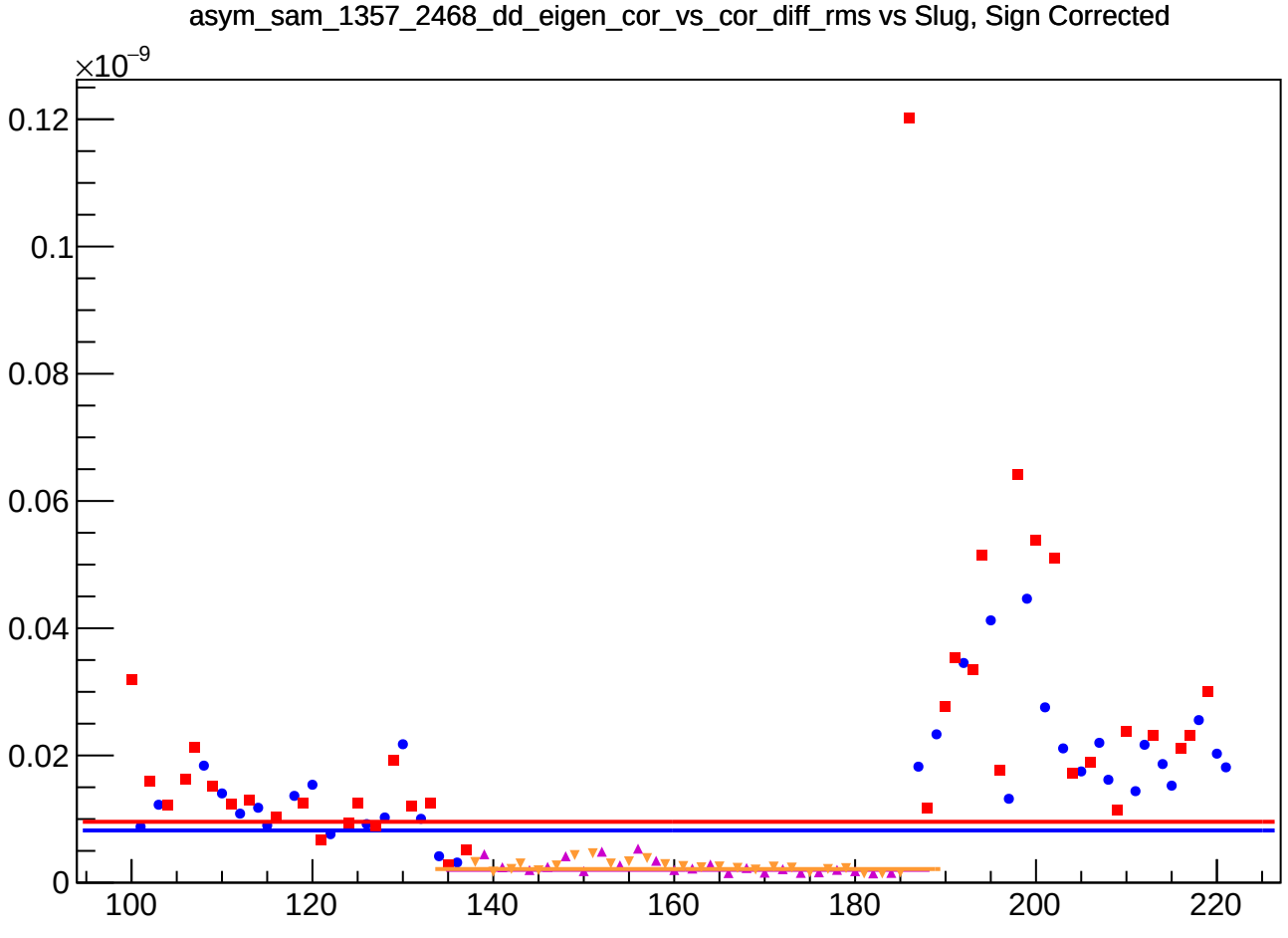
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.8/70

In: -0.000+/-0.000 χ^2/NDF:63.4/56

Out: -0.000+/-0.000 χ^2/NDF:60.5/61

All: -0.000+/-0.000 χ^2/NDF: 129.3/118



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: 10787775.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

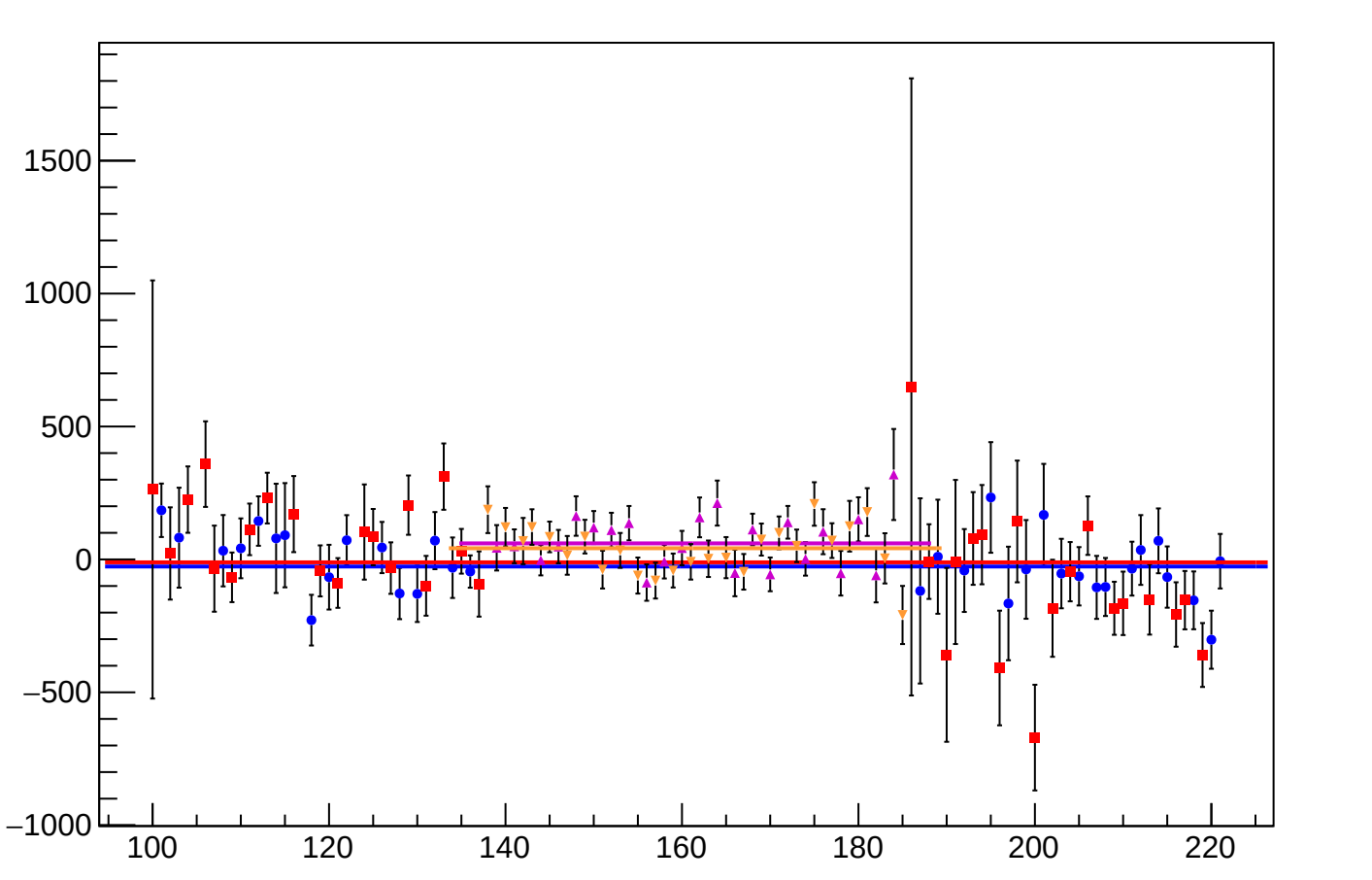
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21366705.8/70

In: 0.000+/-0.000 χ^2/NDF:21251551.6/56

Out: 0.000+/-0.000 χ^2/NDF:22101157.6/61

All: 0.000+/-0.000 χ^2/NDF: 43377515.4/118



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: -10.971+/-20.959 χ^2/NDF: 70.8/36

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

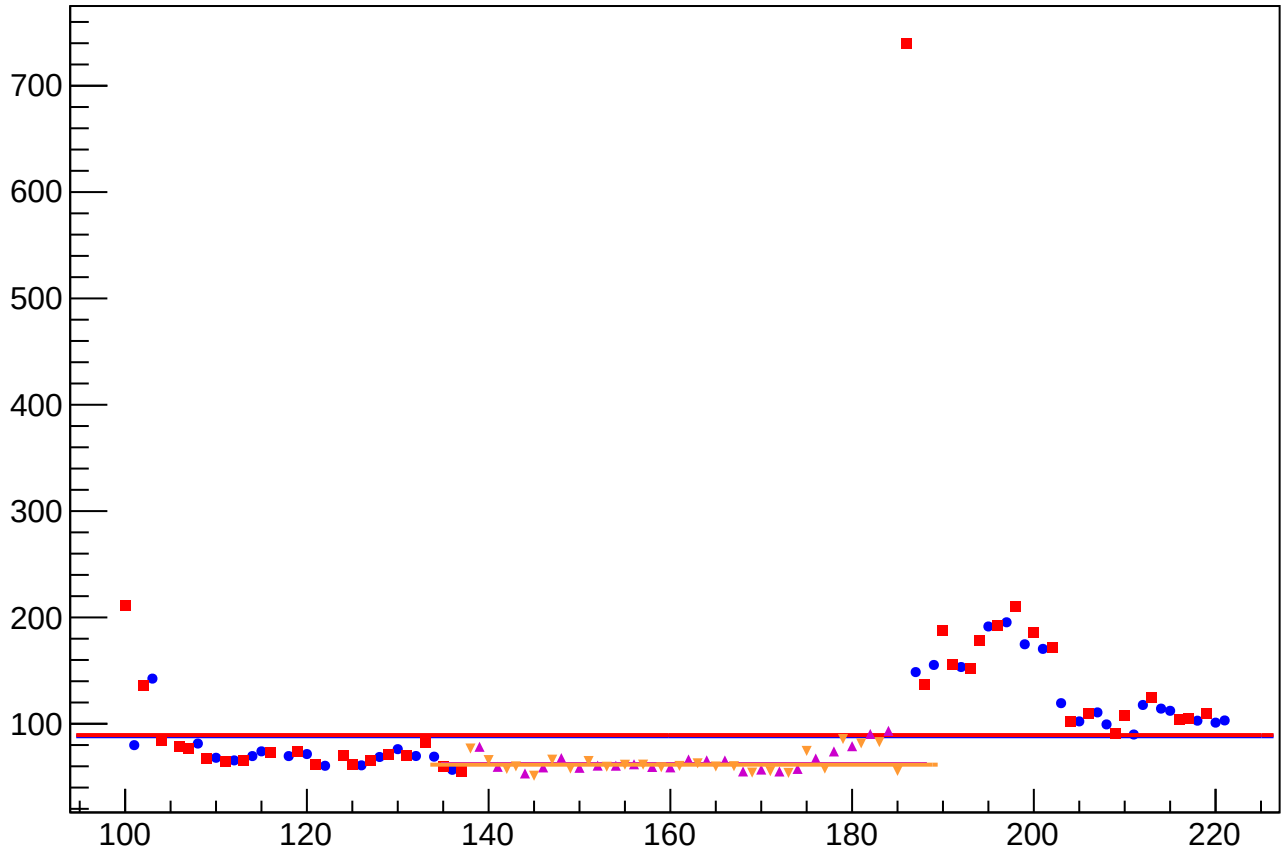
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -19.190+/-14.492 χ^2/NDF: 102.5/70

In: 29.908+/-11.864 χ^2/NDF:75.9/56

Out: 25.374+/-11.745 χ^2/NDF:107.2/61

All: 27.618+/-8.347 χ^2/NDF: 183.2/118



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: 89.377+/-0.015 χ^2/NDF: 5777699.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

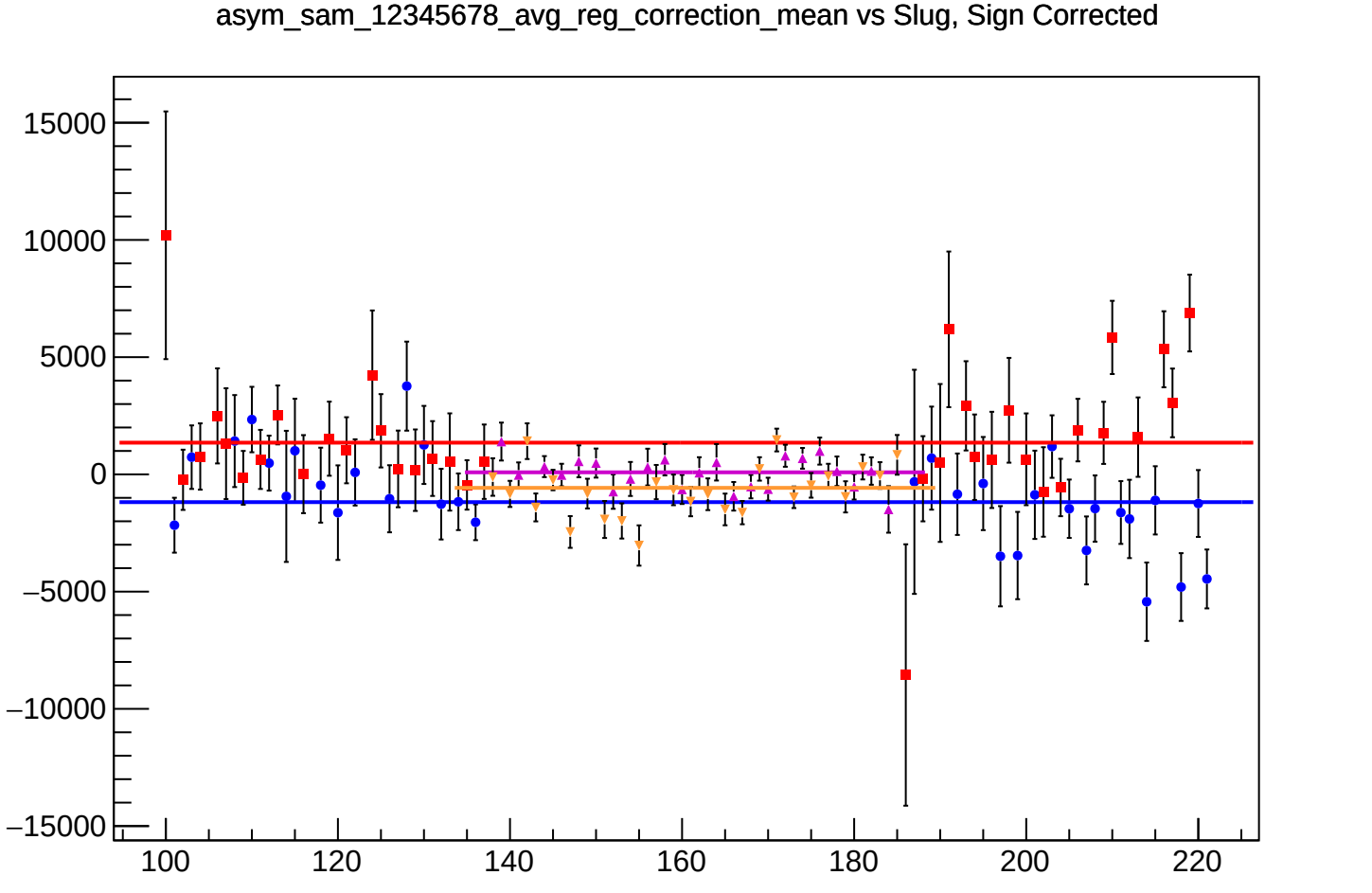
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 88.794+/-0.010 χ^2/NDF: 10412287.0/70

In: 71.281+/-0.008 χ^2/NDF:7432599.6/56

Out: 70.284+/-0.008 χ^2/NDF:8834829.2/61

All: 70.777+/-0.006 χ^2/NDF: 16274552.0/118



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: 1353.231+/-268.580 χ^2/NDF: 52.6/36

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

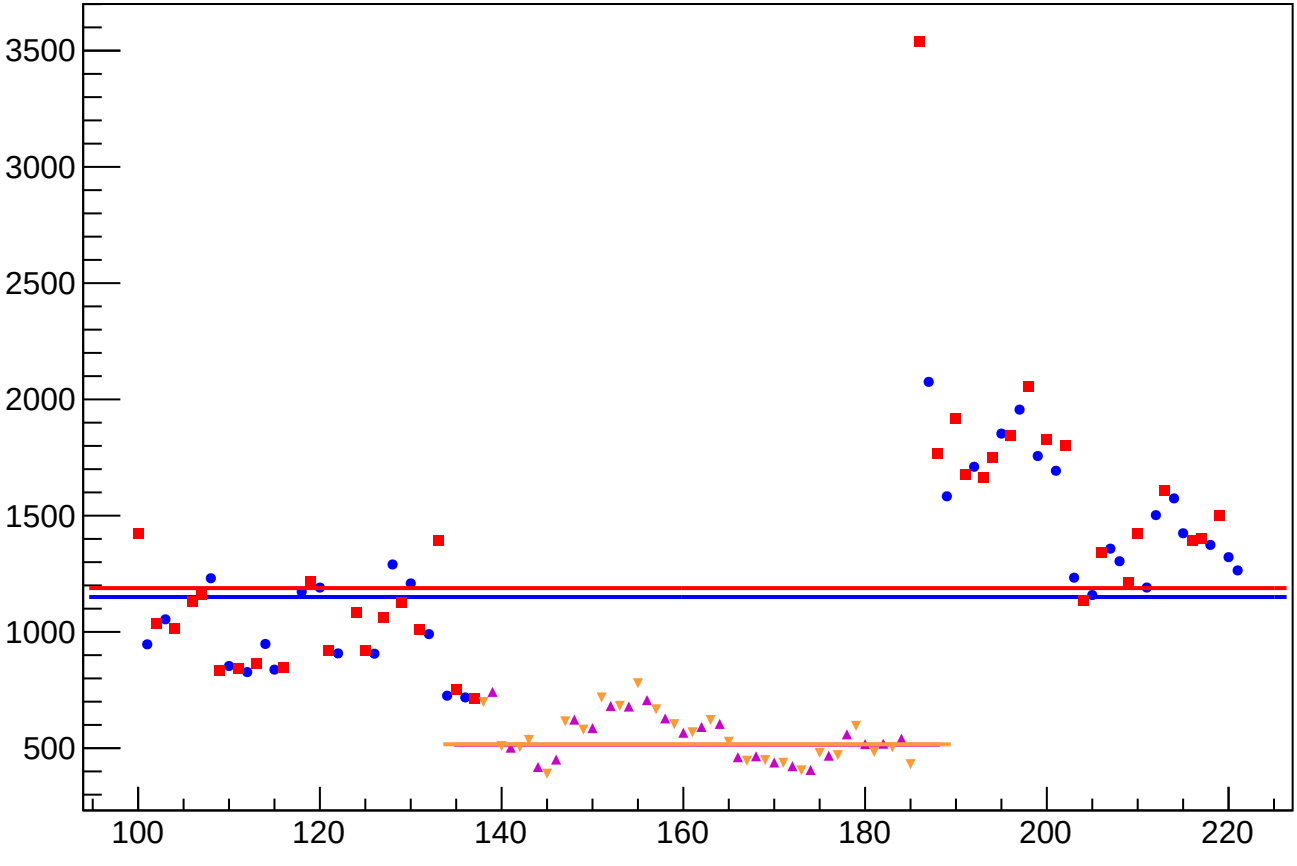
Right: 19.304+/-184.935 χ^2/NDF: 153.4/70

In: -150.055+/-110.416 χ^2/NDF:98.7/56

Out: -255.154+/-109.361 χ^2/NDF:164.3/61

All: -203.109+/-77.700 χ^2/NDF: 263.5/118

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: 1188.422+/-0.190 χ^2/NDF: 3626693.6/36

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

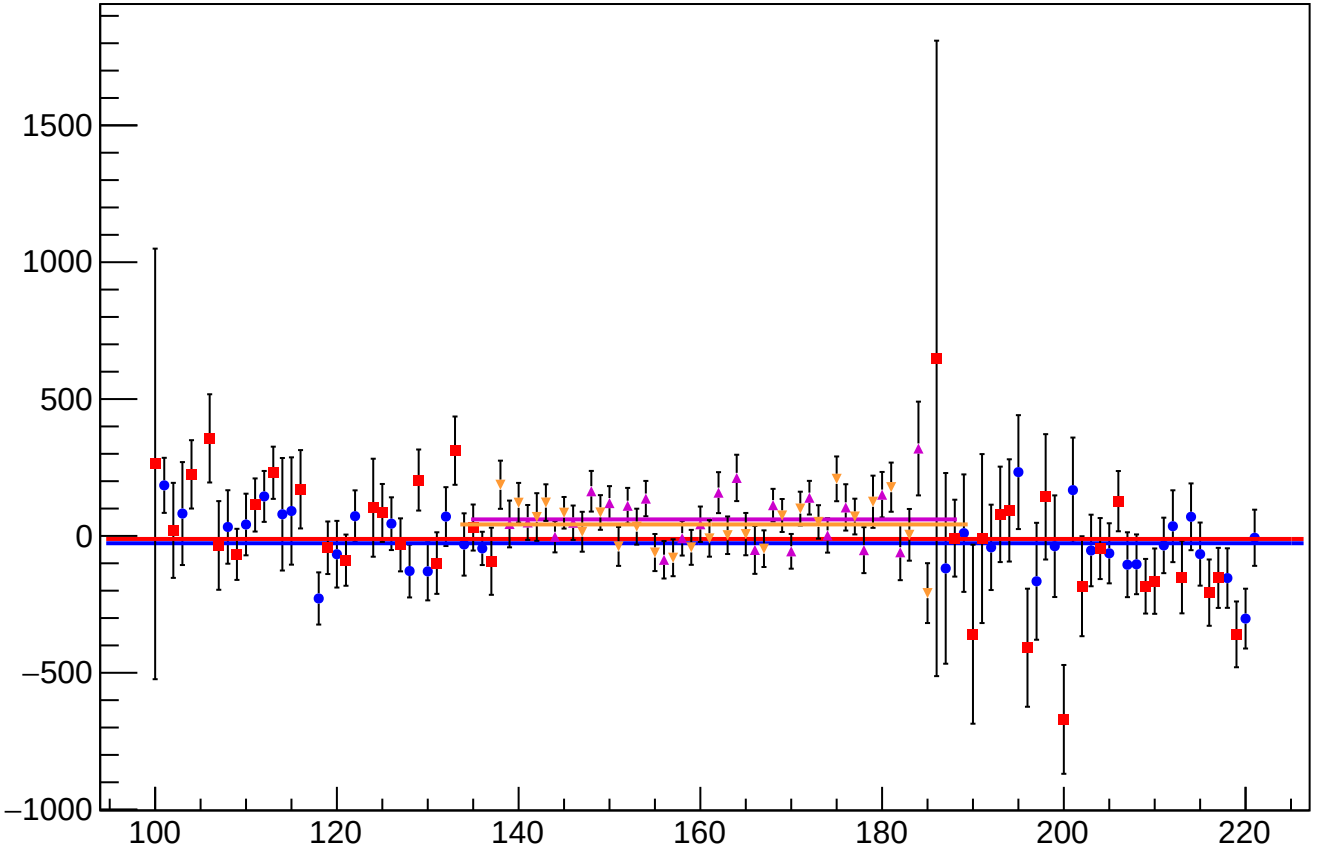
Right: 1168.242+/-0.131 χ^2/NDF: 6787161.6/70

In: 633.868+/-0.078 χ^2/NDF:14343421.1/56

Out: 628.015+/-0.077 χ^2/NDF:15329871.4/61

All: 630.914+/-0.055 χ^2/NDF: 29676128.8/11

cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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: -11.050+/-20.960 χ^2/NDF: 70.7/36

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

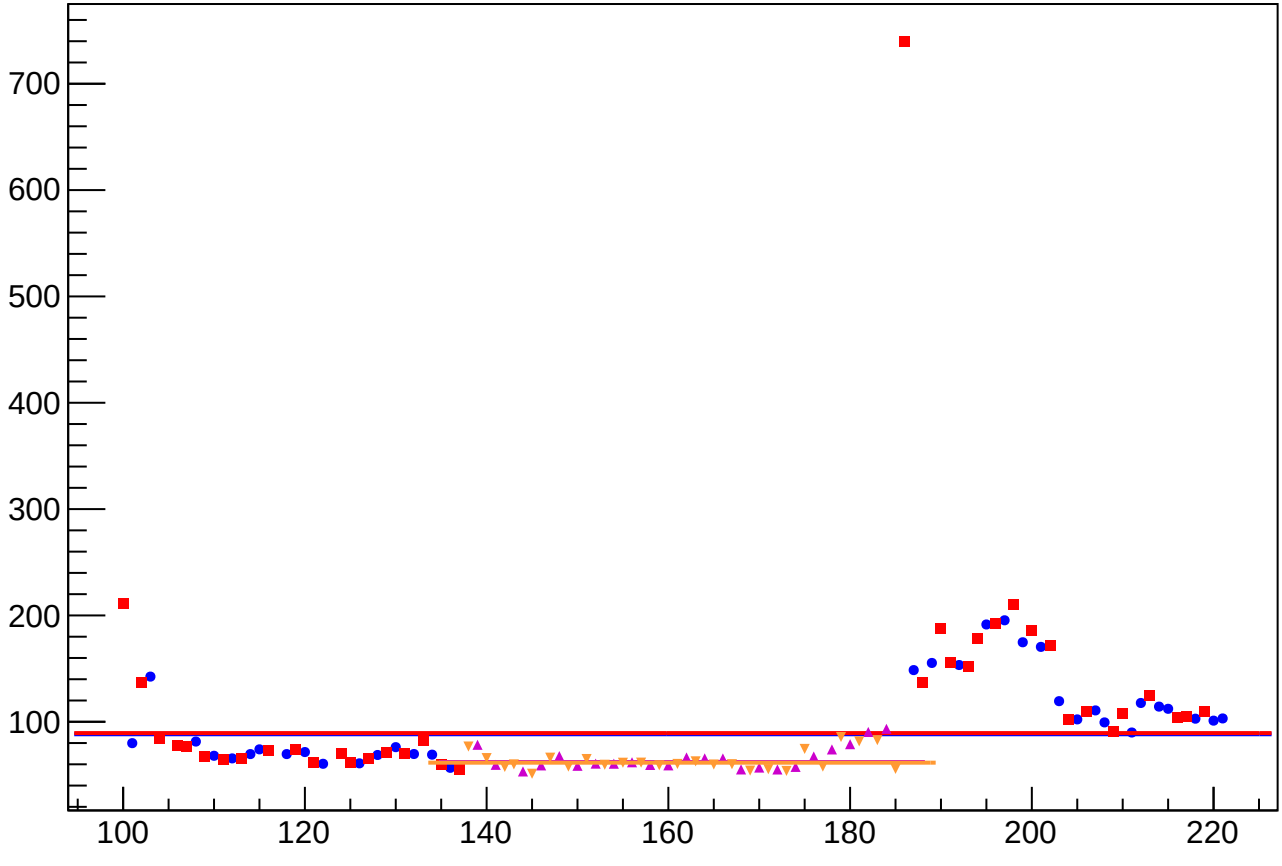
Right: -19.231+/-14.492 χ^2/NDF: 102.4/70

In: 29.905+/-11.864 χ^2/NDF:75.9/56

Out: 25.353+/-11.745 χ^2/NDF:107.1/61

All: 27.606+/-8.347 χ^2/NDF: 183.1/118

cor_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

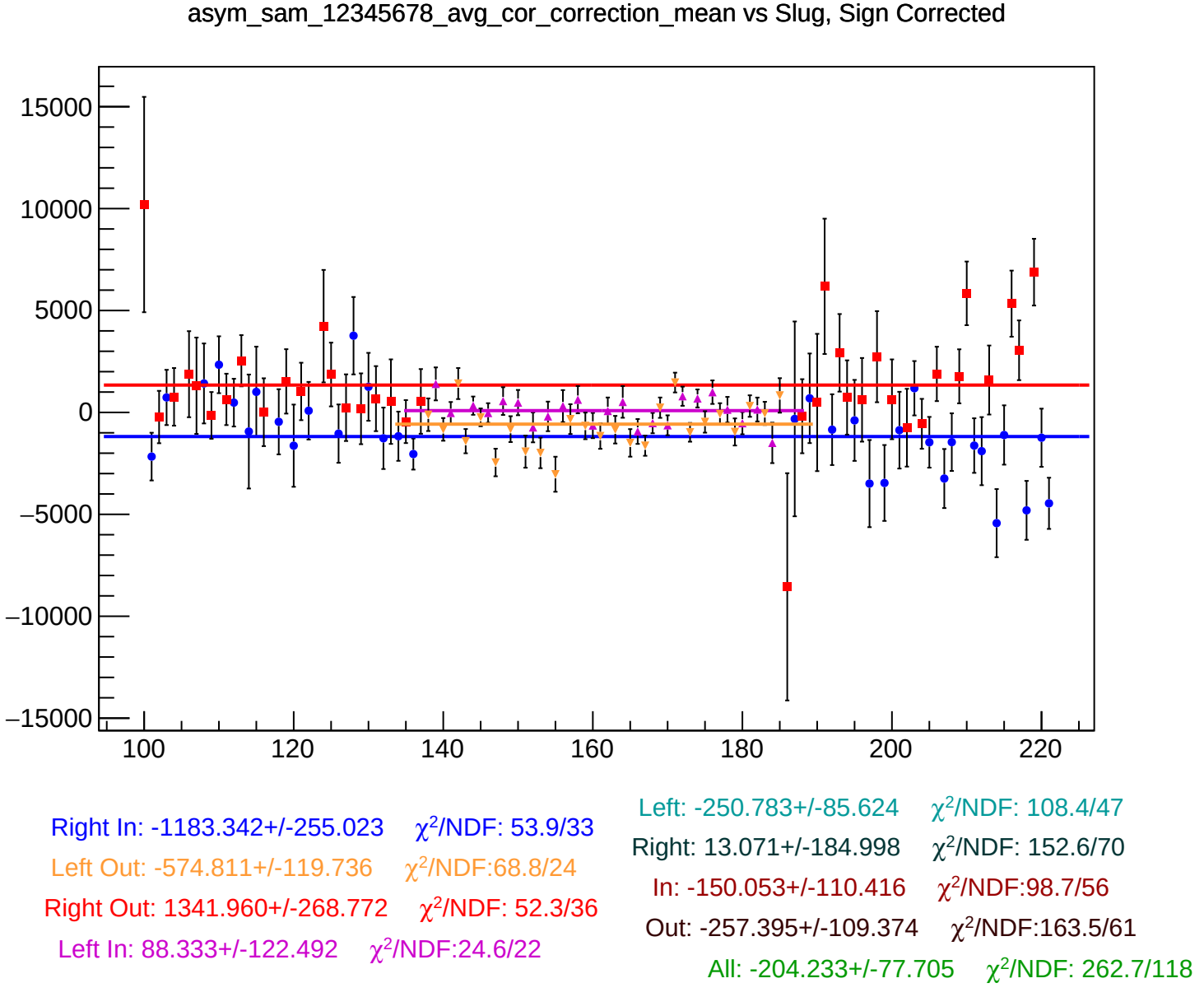
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 88.789+/-0.010 χ^2/NDF: 10413712.1/70

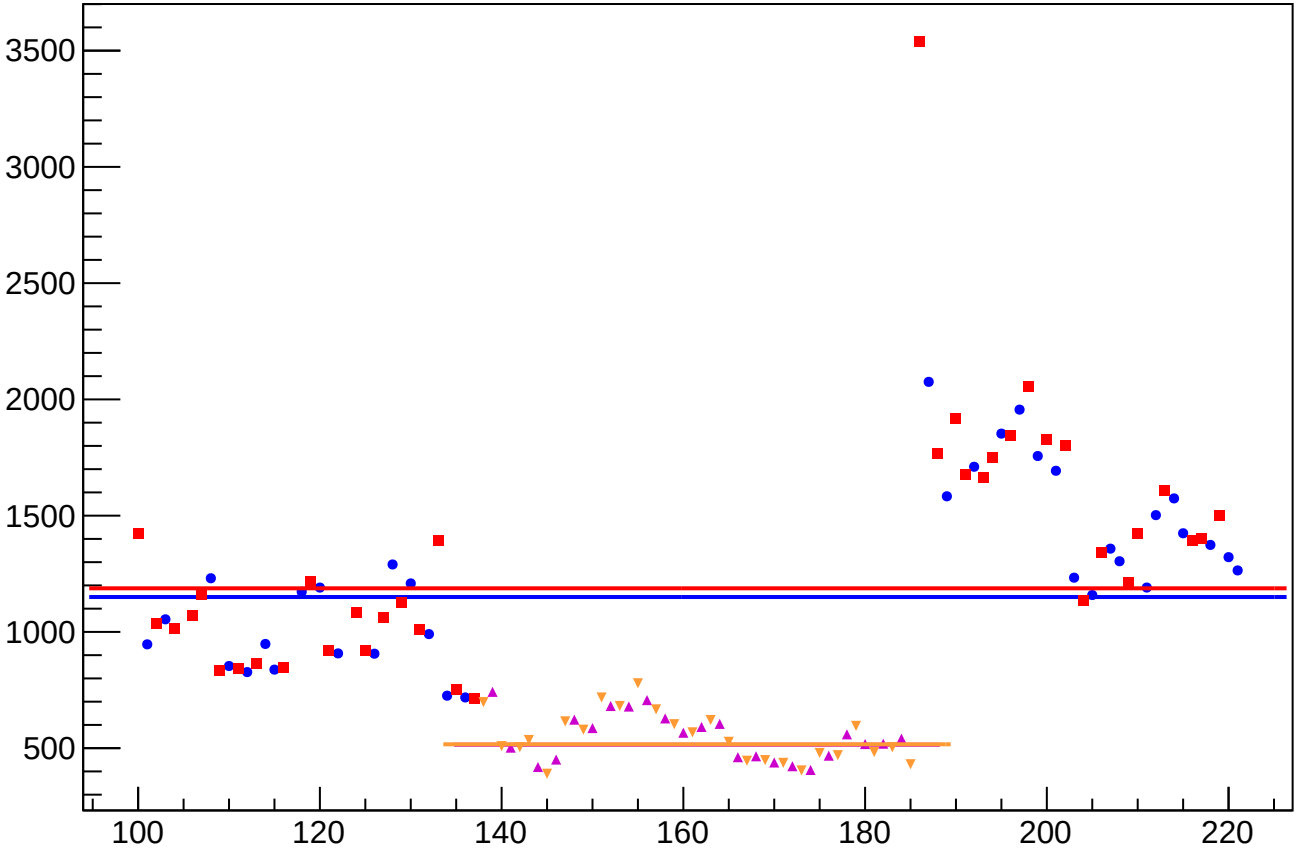
In: 71.281+/-0.008 χ^2/NDF:7432602.7/56

Out: 70.281+/-0.008 χ^2/NDF:8834288.5/61

All: 70.776+/-0.006 χ^2/NDF: 16274068.9/118


asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1183.342+/-255.023 χ²/NDF: 53.9/33
Left Out: -574.811+/-119.736 χ²/NDF:68.8/24
Right Out: 1341.960+/-268.772 χ²/NDF: 52.3/36
Left In: 88.333+/-122.492 χ²/NDF:24.6/22
Left: -250.783+/-85.624 χ²/NDF: 108.4/47
Right: 13.071+/-184.998 χ²/NDF: 152.6/70
In: -150.053+/-110.416 χ²/NDF:98.7/56
Out: -257.395+/-109.374 χ²/NDF:163.5/61
All: -204.233+/-77.705 χ²/NDF: 262.7/118

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: 1187.526+/-0.190 χ^2/NDF: 3631156.9/36

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

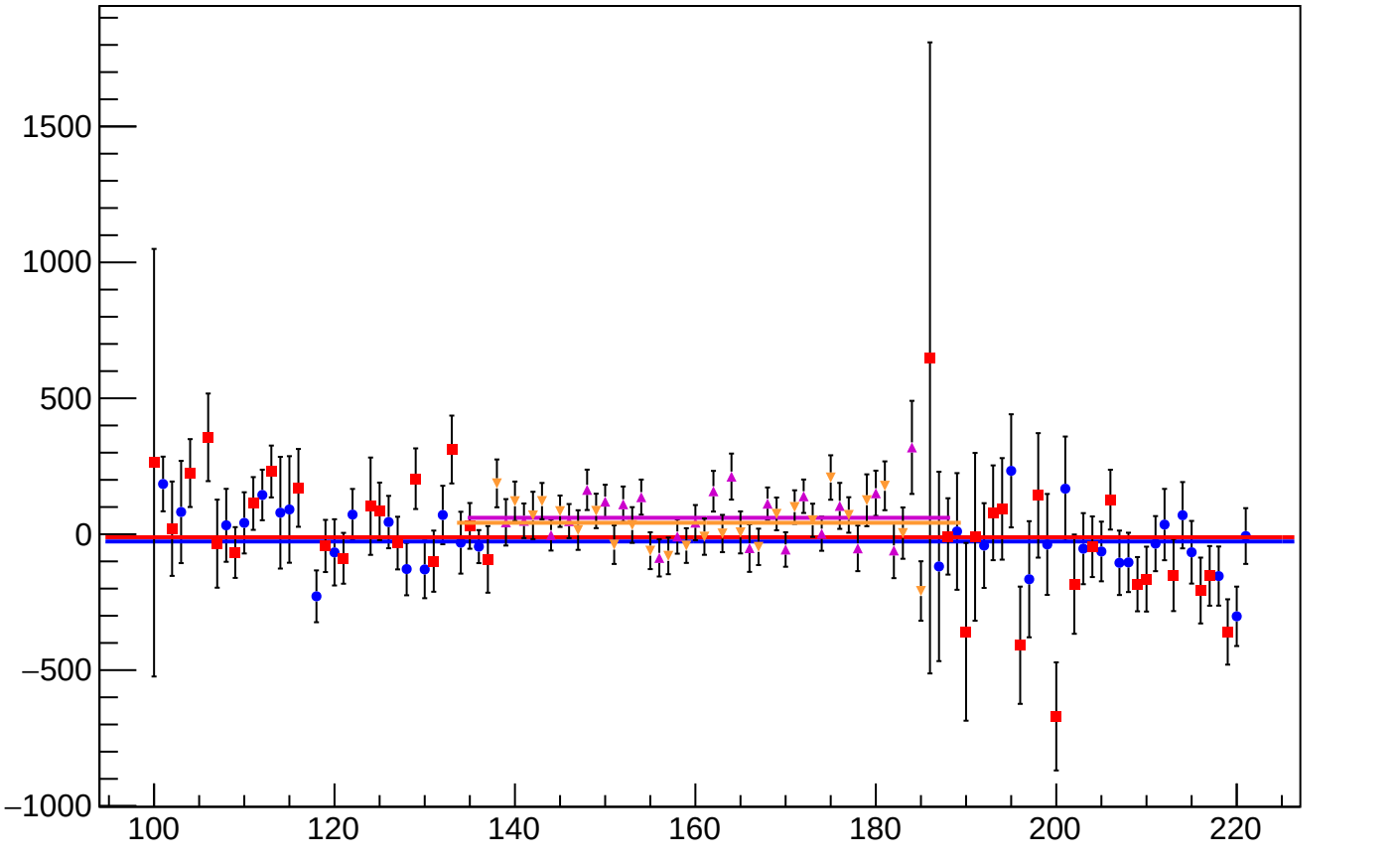
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1167.806+/-0.131 χ^2/NDF: 6790601.9/70

In: 633.868+/-0.078 χ^2/NDF:14343463.0/56

Out: 627.734+/-0.077 χ^2/NDF:15294135.9/61

All: 630.772+/-0.055 χ^2/NDF: 29640714.1/11



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: -11.050+/-20.960 χ^2/NDF: 70.7/36

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

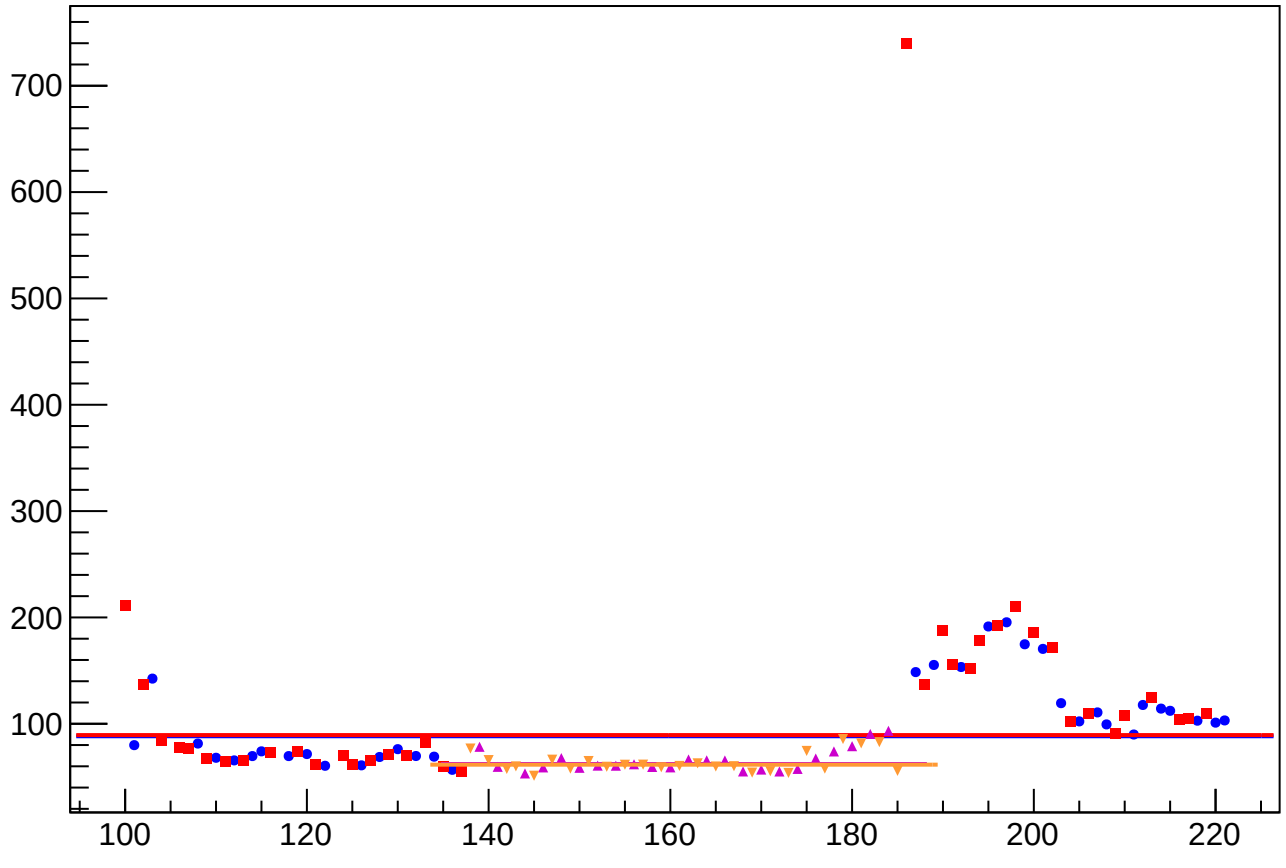
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -19.231+/-14.492 χ^2/NDF: 102.4/70

In: 29.905+/-11.864 χ^2/NDF:75.9/56

Out: 25.353+/-11.745 χ^2/NDF:107.1/61

All: 27.606+/-8.347 χ^2/NDF: 183.1/118



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: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

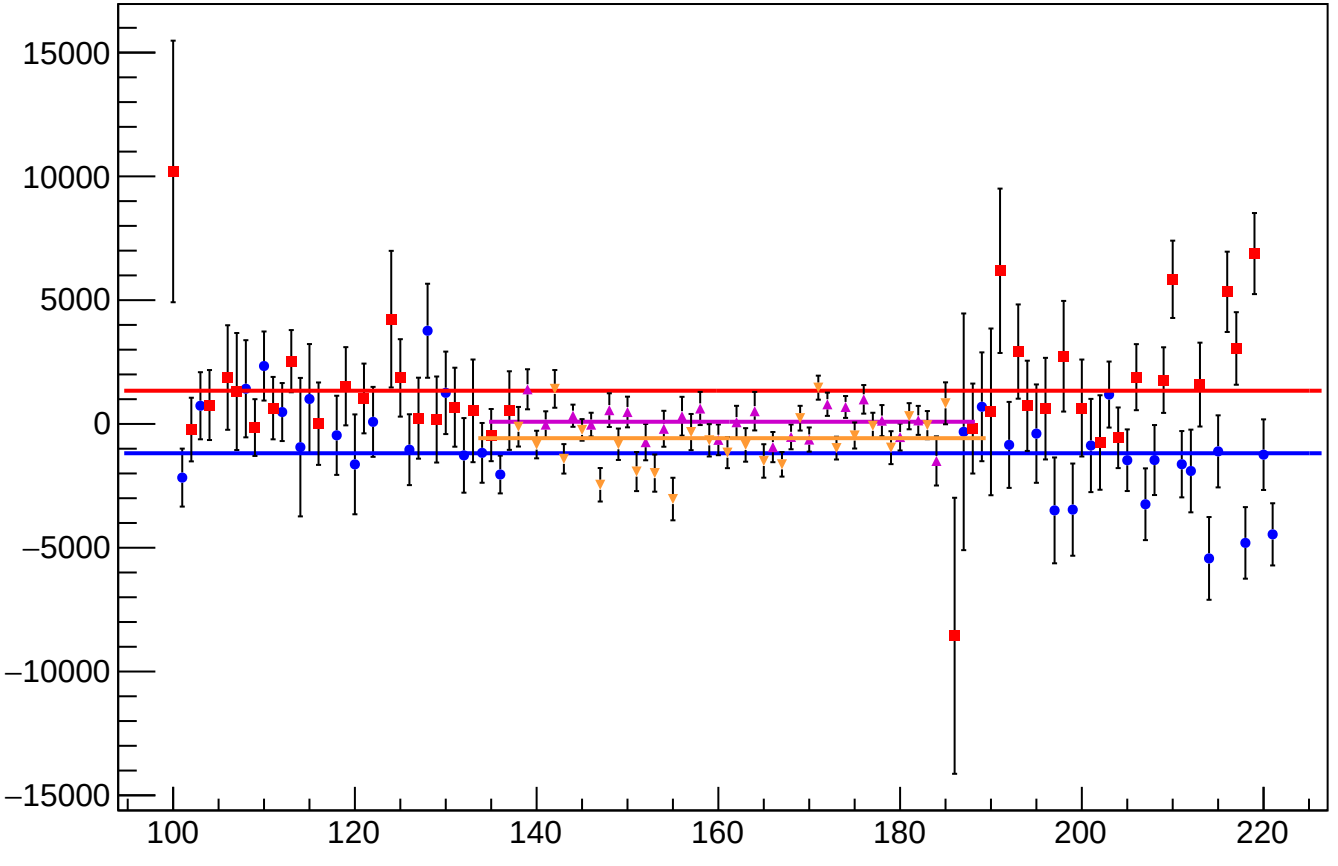
Right: 88.789+/-0.010 χ^2/NDF: 10413712.1/70

In: 71.281+/-0.008 χ^2/NDF:7432602.7/56

Out: 70.281+/-0.008 χ^2/NDF:8834288.5/61

All: 70.776+/-0.006 χ^2/NDF: 16274068.9/118

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: 1341.960+/-268.772 χ^2/NDF: 52.3/36

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

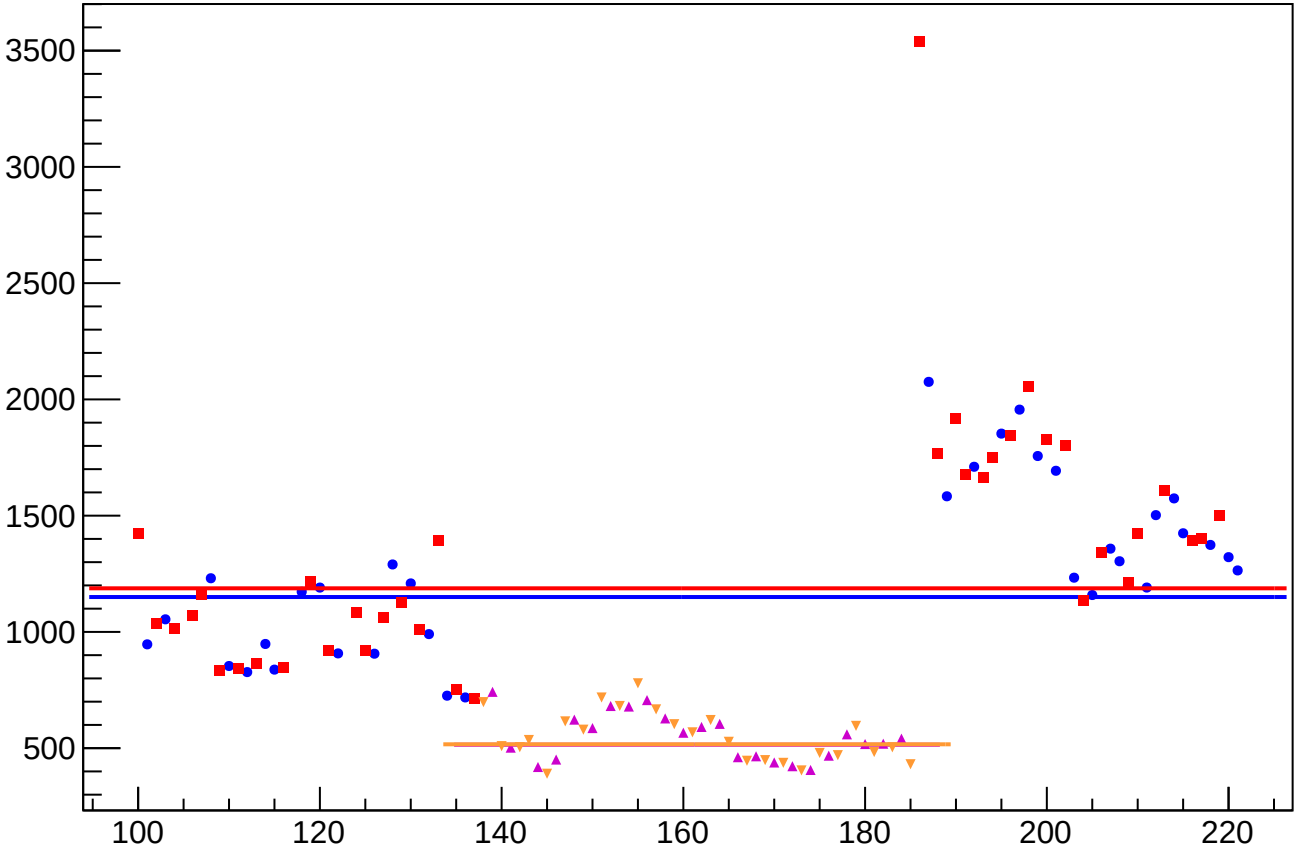
Right: 13.071+/-184.998 χ^2/NDF: 152.6/70

In: -150.053+/-110.416 χ^2/NDF:98.7/56

Out: -257.395+/-109.374 χ^2/NDF:163.5/61

All: -204.233+/-77.705 χ^2/NDF: 262.7/118

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: 1187.526+/-0.190 χ^2/NDF: 3631156.9/36

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

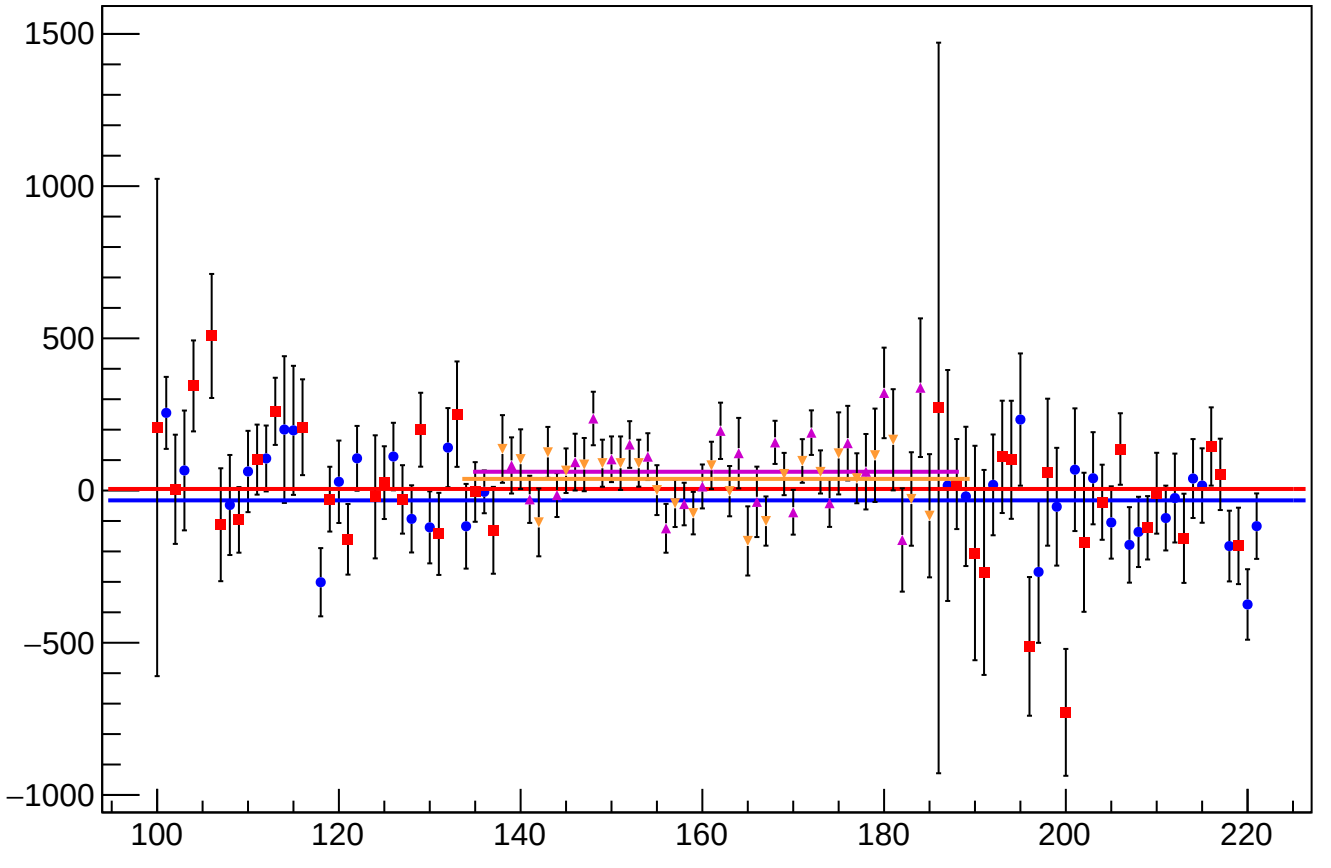
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1167.806+/-0.131 χ^2/NDF: 6790601.9/70

In: 633.868+/-0.078 χ^2/NDF:14343463.0/56

Out: 627.734+/-0.077 χ^2/NDF:15294135.9/61

All: 630.772+/-0.055 χ^2/NDF: 29640714.1/11



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: 5.206+/-23.643 χ^2/NDF: 56.8/36

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

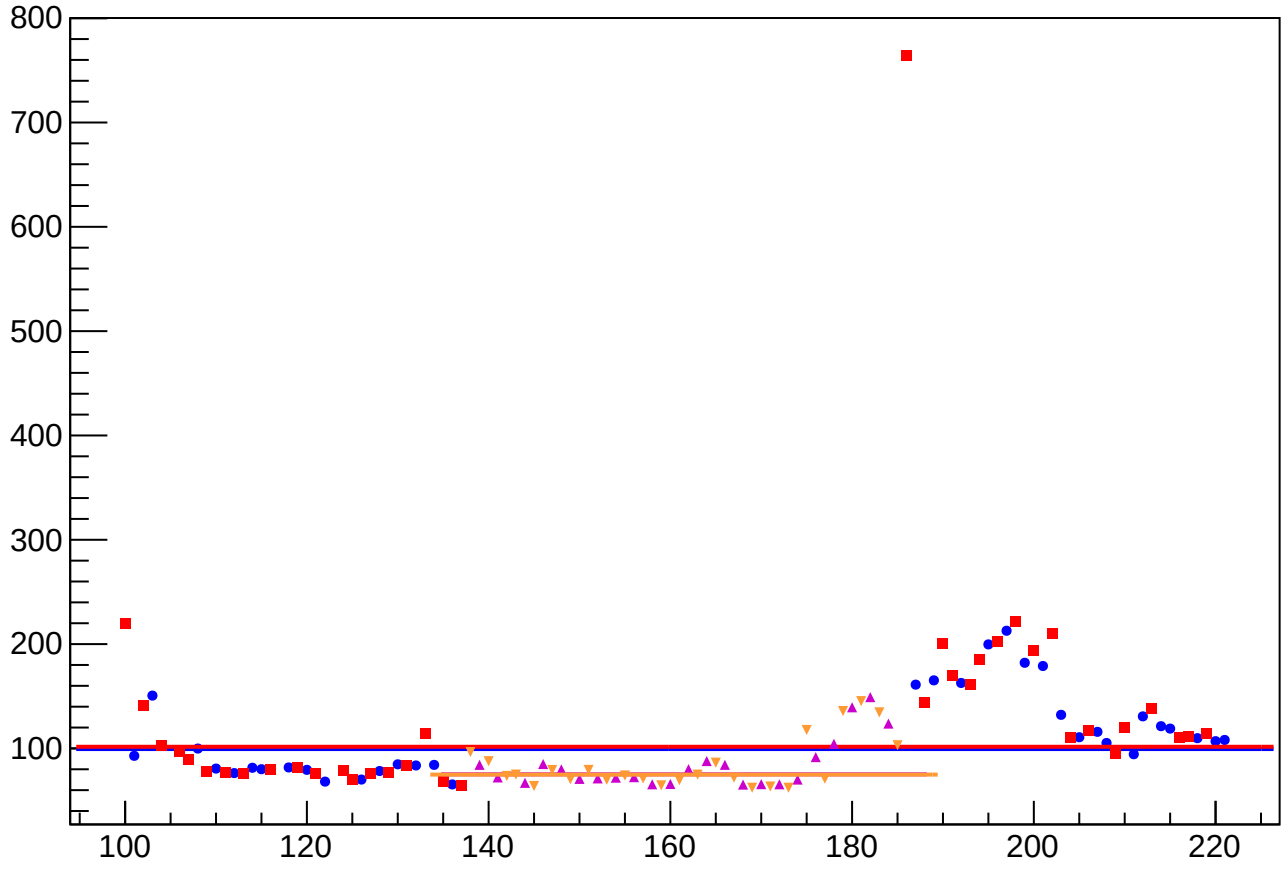
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -14.533+/-16.266 χ^2/NDF: 98.5/70

In: 24.394+/-14.125 χ^2/NDF:87.7/56

Out: 26.429+/-14.154 χ^2/NDF:76.8/61

All: 25.409+/-9.998 χ^2/NDF: 164.5/118



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: 101.581+/-0.017 χ^2/NDF: 5003537.9/36

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

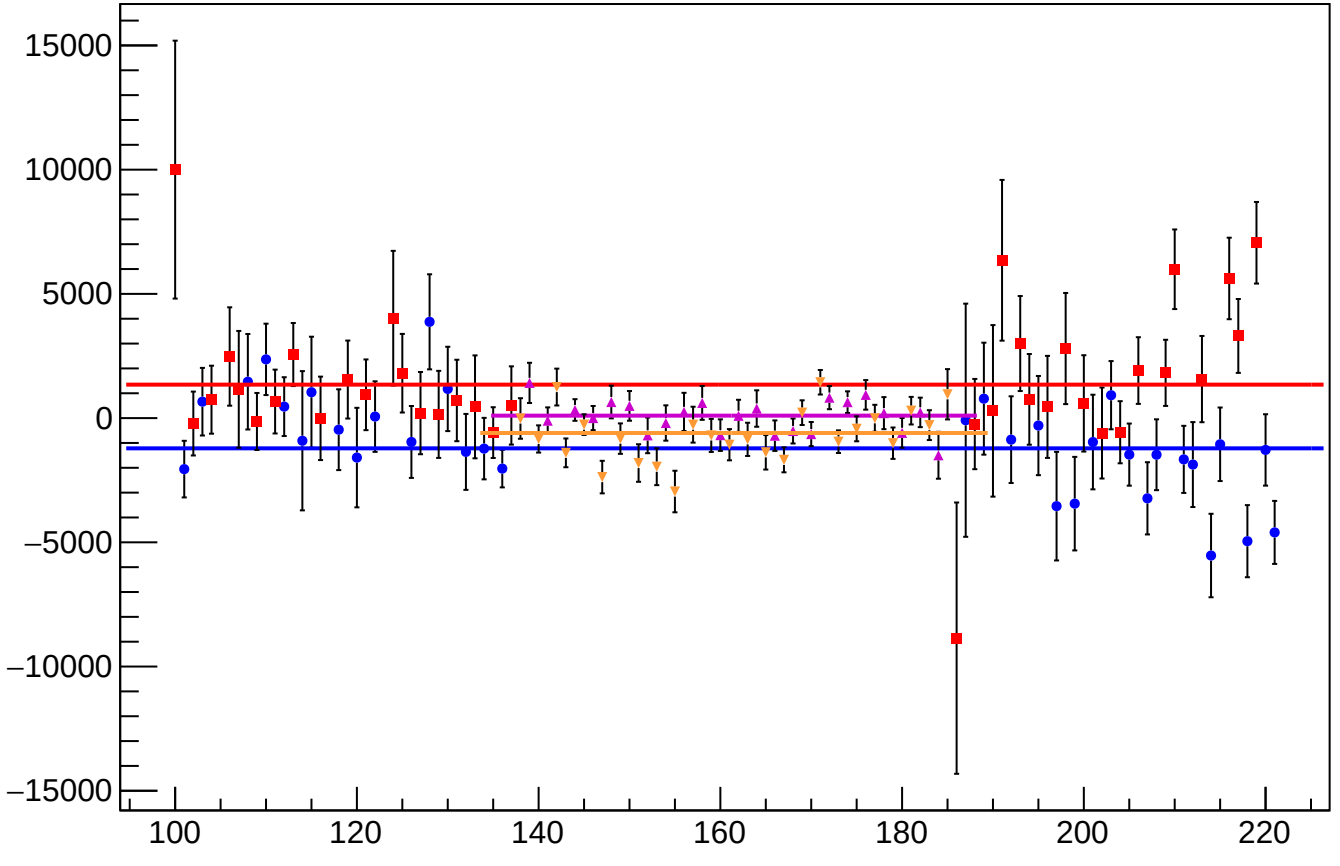
Right: 100.431+/-0.012 χ^2/NDF: 8822960.5/70

In: 84.783+/-0.010 χ^2/NDF:6533425.7/56

Out: 84.463+/-0.010 χ^2/NDF:8298983.5/61

All: 84.623+/-0.007 χ^2/NDF: 14832920.4/118

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



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: 1346.666+/-269.080 χ^2/NDF: 55.8/36

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

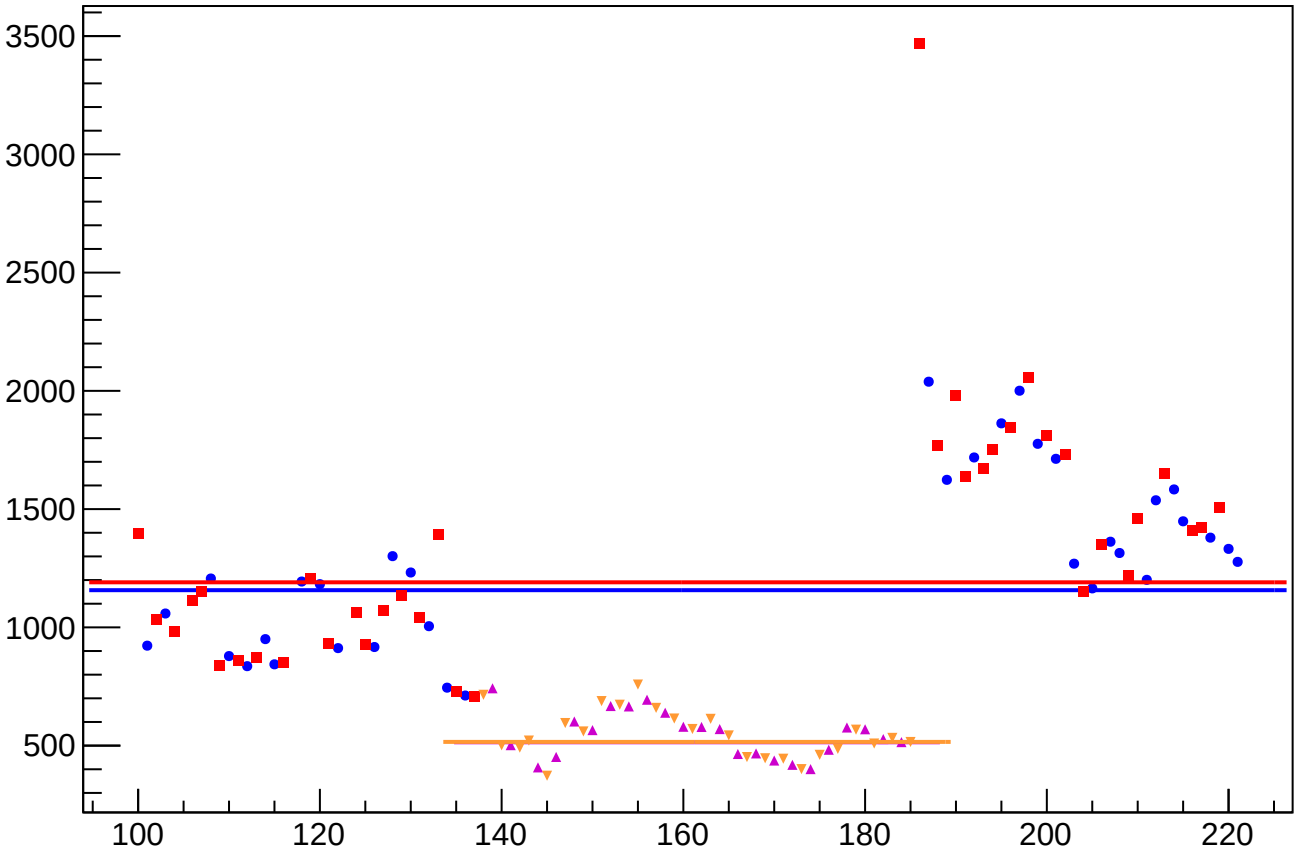
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

Right: 4.891+/-185.766 χ^2/NDF: 156.9/70

In: -144.283+/-110.423 χ^2/NDF:98.8/56

Out: -279.119+/-109.080 χ^2/NDF:164.5/61

All: -212.526+/-77.602 χ^2/NDF: 264.0/118



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: 1190.502+/-0.190 χ^2/NDF: 3658432.5/36

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

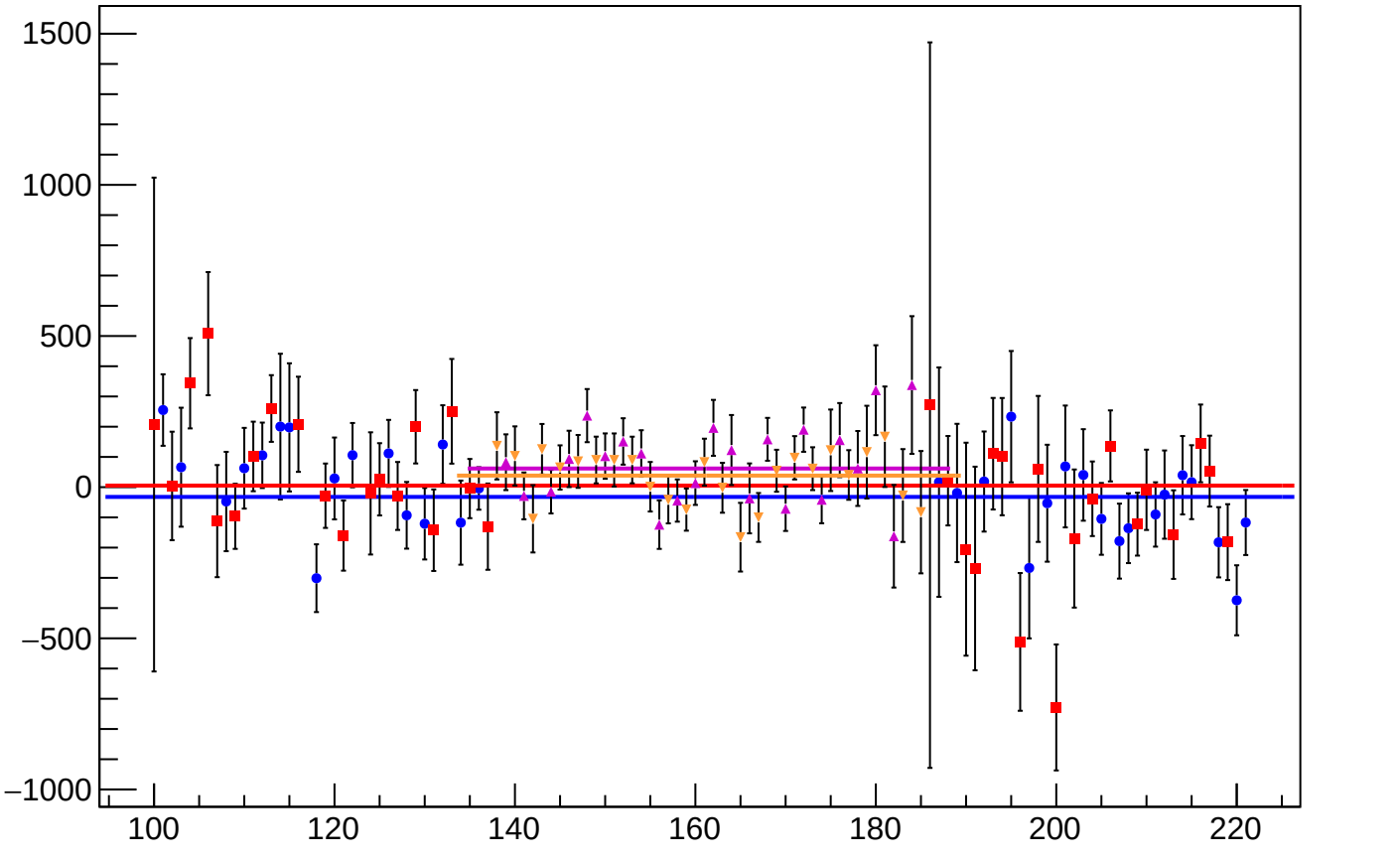
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1173.084+/-0.131 χ^2/NDF: 6886660.5/70

In: 633.024+/-0.078 χ^2/NDF:14555386.6/56

Out: 626.644+/-0.077 χ^2/NDF:15400207.6/61

All: 629.795+/-0.055 χ^2/NDF: 29958973.5/11



Right In: -32.270+/-22.413 χ^2/NDF: 40.4/33

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 5.204+/-23.643 χ^2/NDF: 56.8/36

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

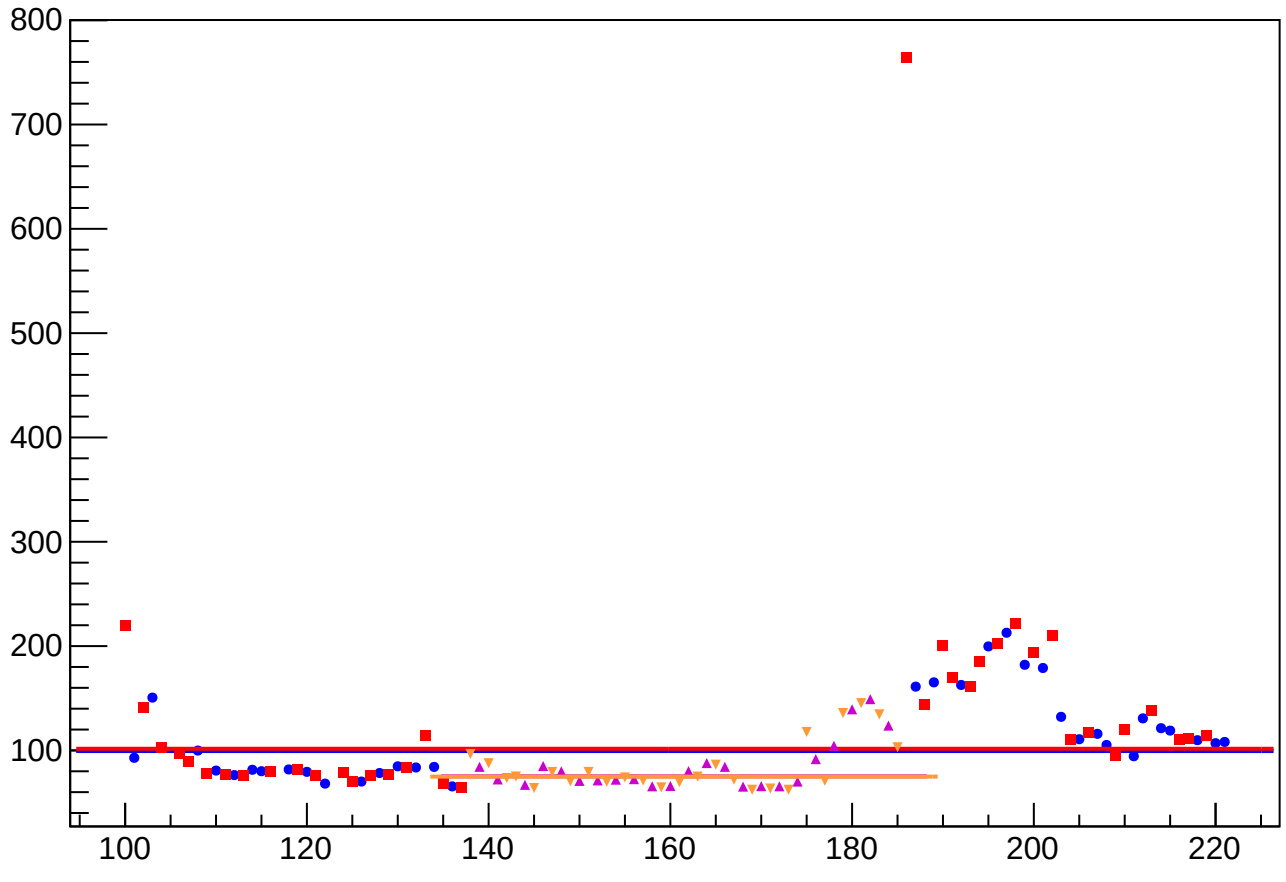
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -14.533+/-16.266 χ^2/NDF: 98.5/70

In: 24.394+/-14.125 χ^2/NDF:87.7/56

Out: 26.428+/-14.154 χ^2/NDF:76.8/61

All: 25.409+/-9.998 χ^2/NDF: 164.5/118



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: 101.581+/-0.017 χ^2/NDF: 5003566.3/36

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

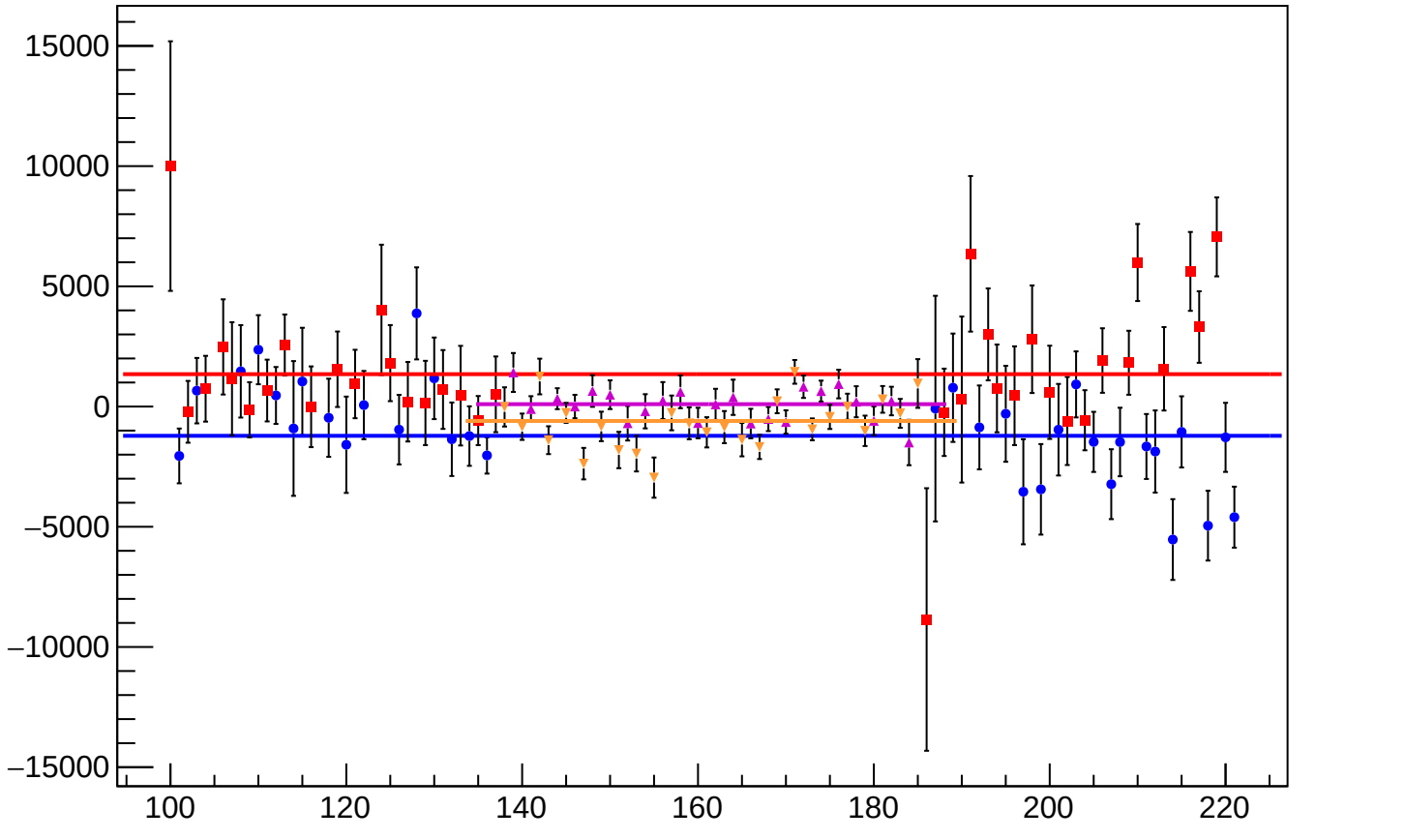
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 100.431+/-0.012 χ^2/NDF: 8823002.9/70

In: 84.783+/-0.010 χ^2/NDF:6533370.6/56

Out: 84.463+/-0.010 χ^2/NDF:8298959.6/61

All: 84.624+/-0.007 χ^2/NDF: 14832841.3/118



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: 1346.663+/-269.080 χ^2/NDF: 55.8/36

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

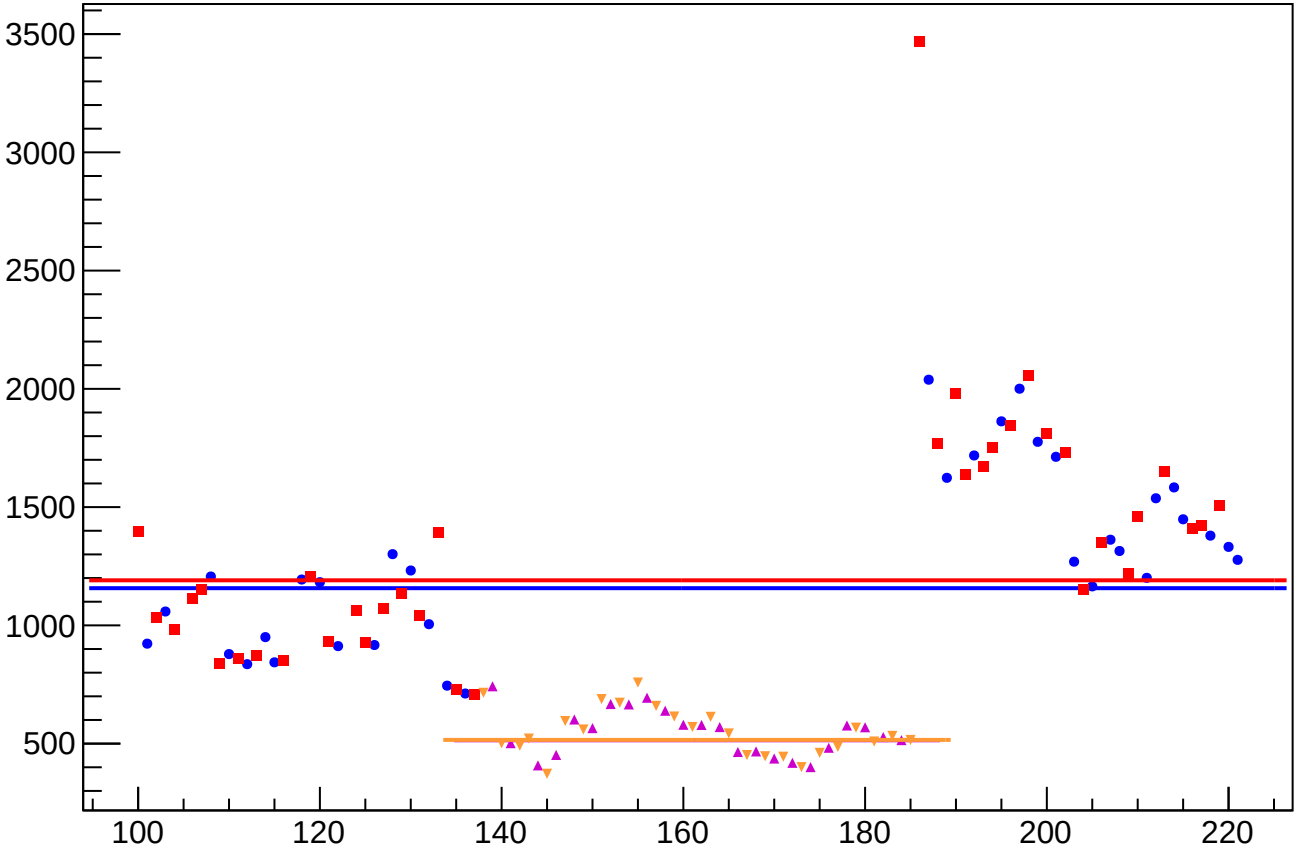
Right: 4.891+/-185.765 χ^2/NDF: 156.9/70

In: -144.283+/-110.423 χ^2/NDF:98.8/56

Out: -279.118+/-109.079 χ^2/NDF:164.5/61

All: -212.526+/-77.601 χ^2/NDF: 264.0/118

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: 1190.500+/-0.190 χ^2/NDF: 3658445.8/36

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

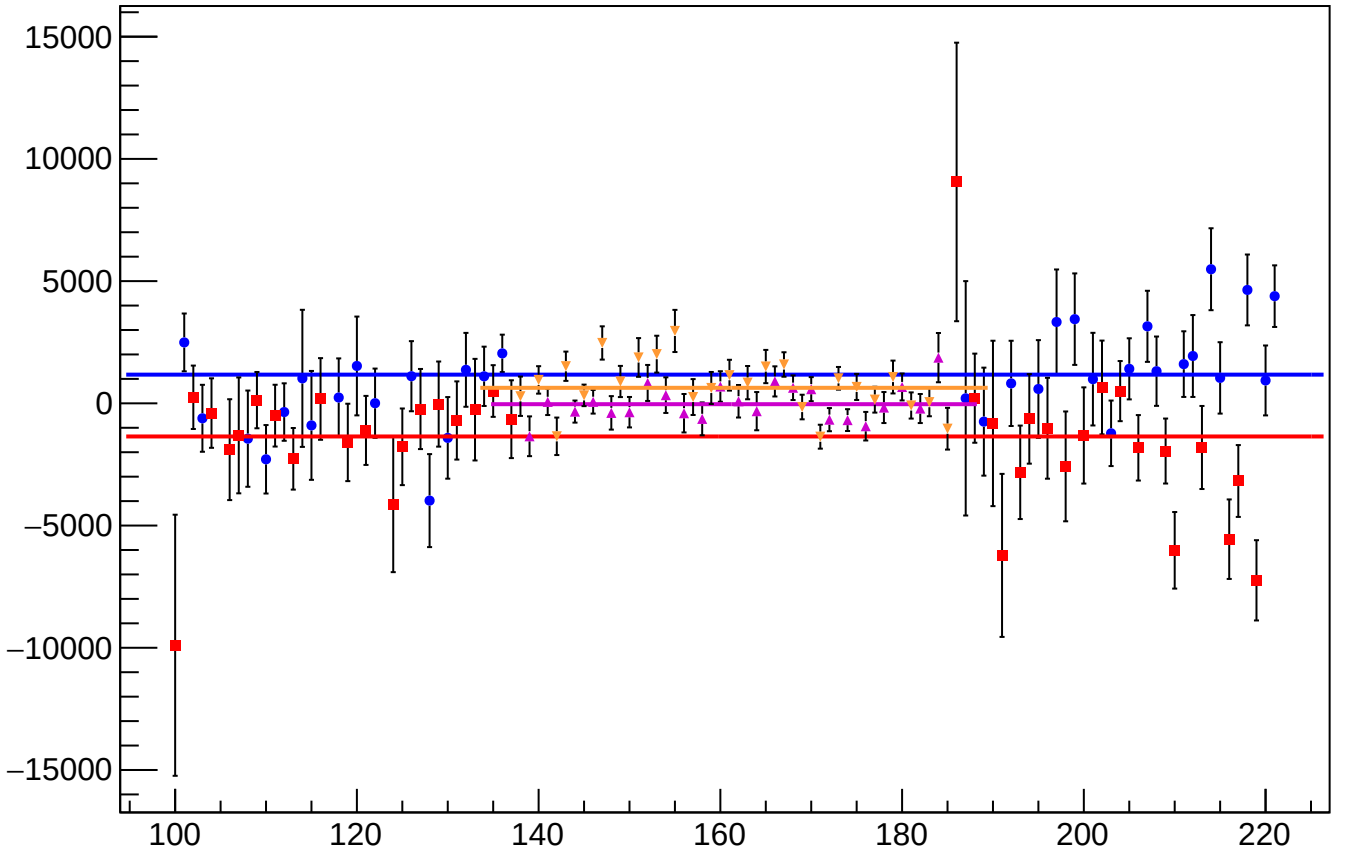
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1173.082+/-0.131 χ^2/NDF: 6886684.7/70

In: 633.023+/-0.078 χ^2/NDF:14555393.8/56

Out: 626.642+/-0.077 χ^2/NDF:15400221.0/61

All: 629.793+/-0.055 χ^2/NDF: 29958994.3/11



Right In: 1174.121+/-256.065 χ^2/NDF: 53.2/33

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -1355.377+/-269.672 χ^2/NDF: 55.0/36

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

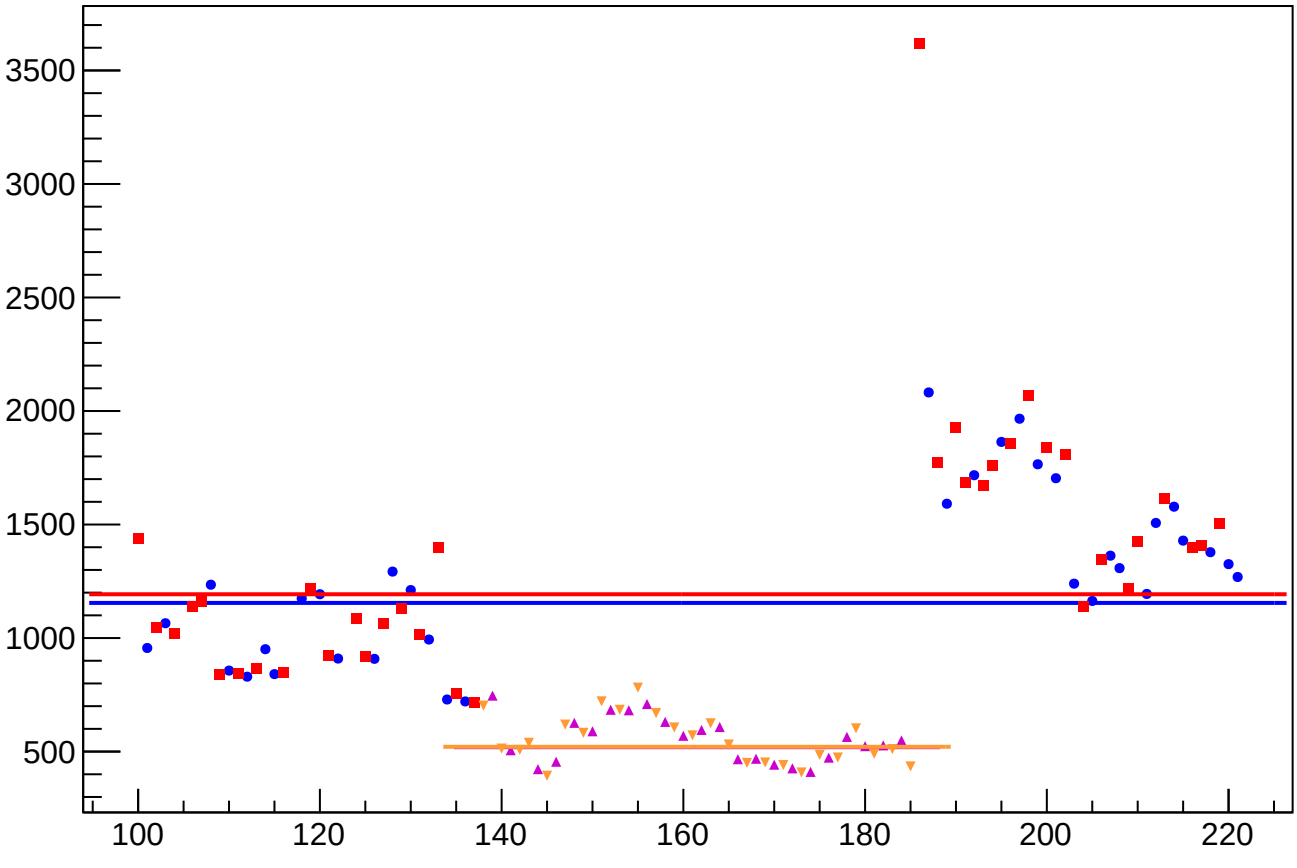
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -25.207+/-185.689 χ^2/NDF: 154.4/70

In: 193.387+/-111.251 χ^2/NDF:96.4/56

Out: 302.558+/-110.181 χ^2/NDF:164.9/61

All: 248.500+/-78.285 χ^2/NDF: 261.7/118



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: 1192.887+/-0.191 χ^2/NDF: 3639304.2/36

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

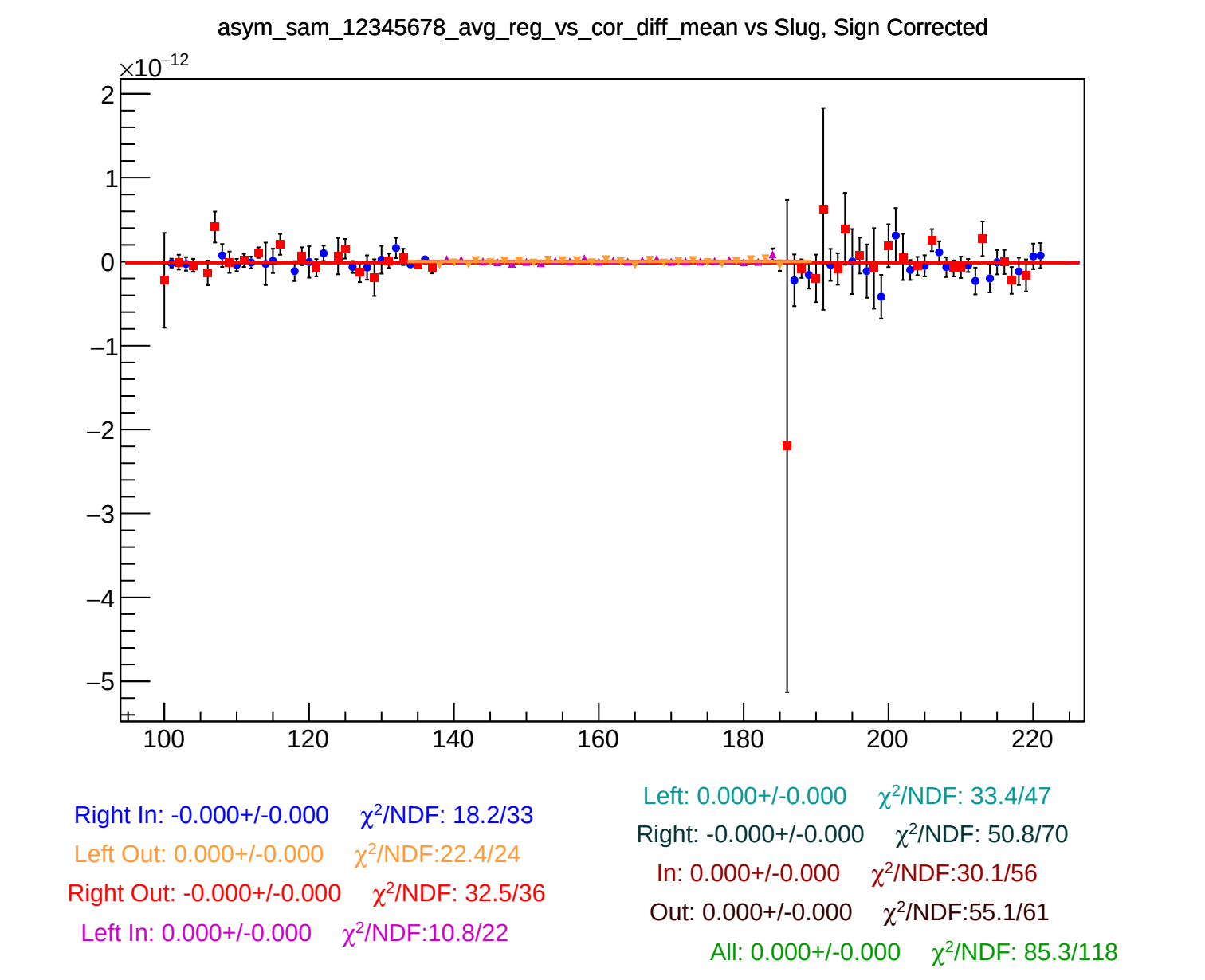
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1172.842+/-0.131 χ^2/NDF: 6798342.3/70

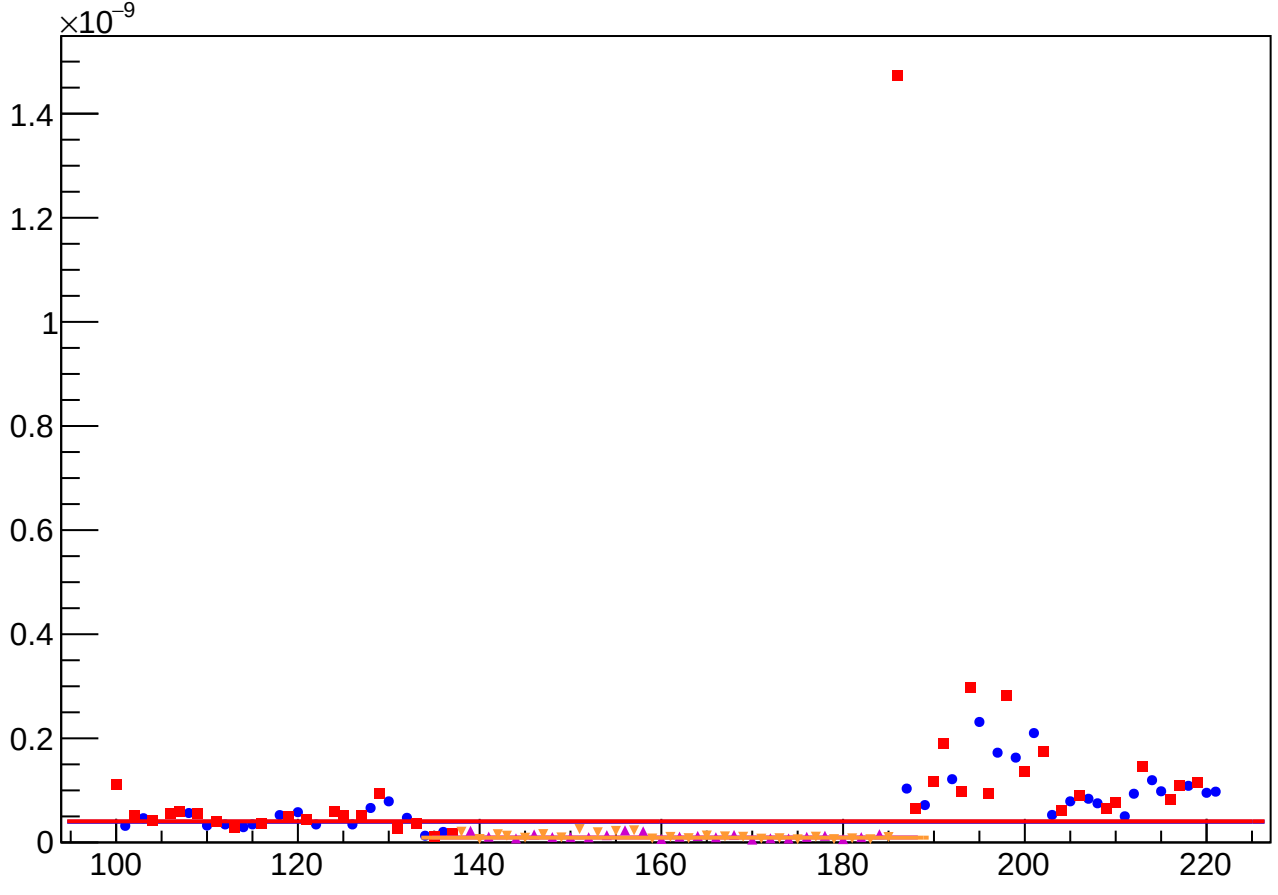
In: 639.201+/-0.079 χ^2/NDF:14232859.5/56

Out: 633.182+/-0.078 χ^2/NDF:15224167.4/61

All: 636.162+/-0.055 χ^2/NDF: 29459982.4/1


asym_sam_12345678_avg_reg_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: 18.2/33
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.5/36
Left In: 0.000+/-0.000 χ²/NDF:10.8/22
Left: 0.000+/-0.000 χ²/NDF: 33.4/47
Right: -0.000+/-0.000 χ²/NDF: 50.8/70
In: 0.000+/-0.000 χ²/NDF:30.1/56
Out: 0.000+/-0.000 χ²/NDF:55.1/61
All: 0.000+/-0.000 χ²/NDF: 85.3/118

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7397019.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

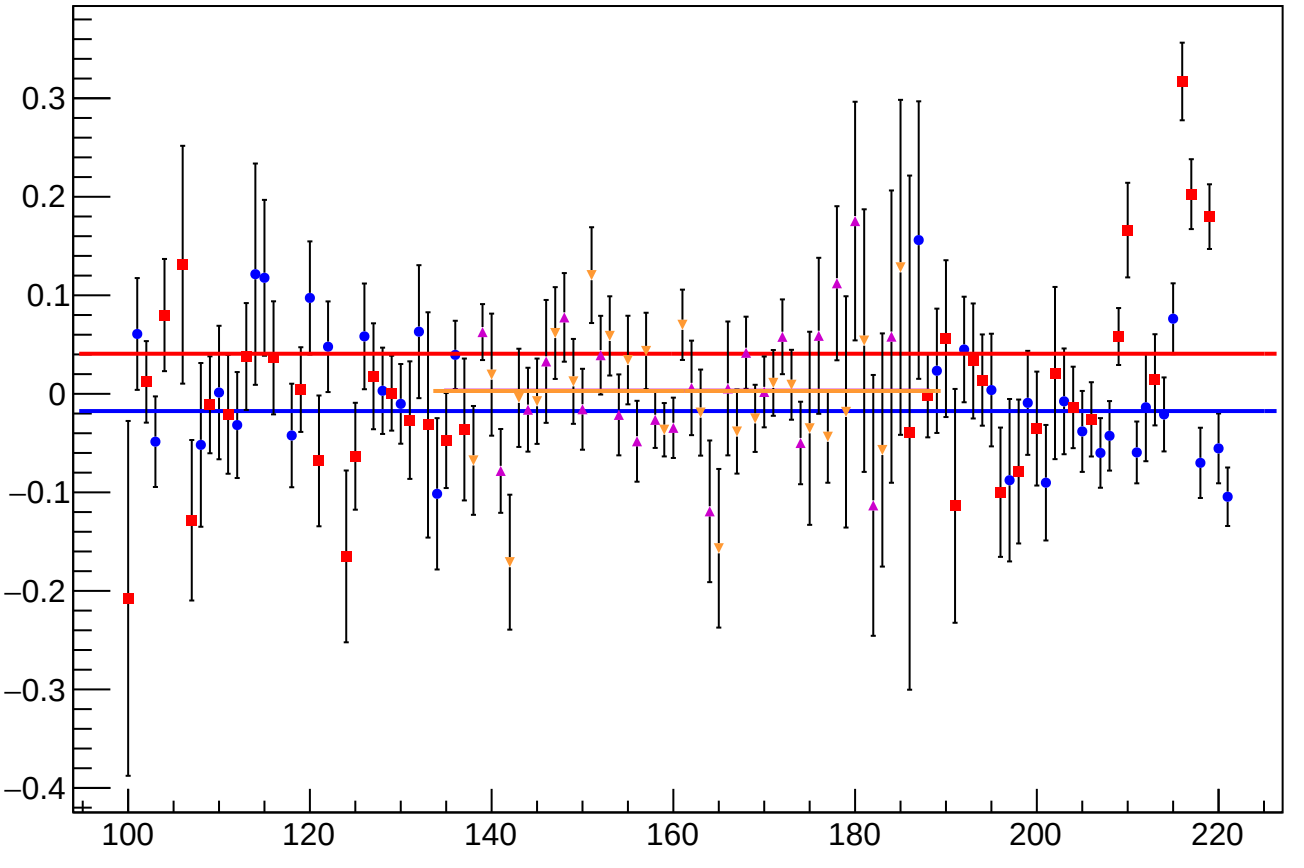
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14331649.8/70

In: 0.000+/-0.000 χ^2/NDF:15322110.7/56

Out: 0.000+/-0.000 χ^2/NDF:15815160.3/61

All: 0.000+/-0.000 χ^2/NDF: 31176219.0/118



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: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

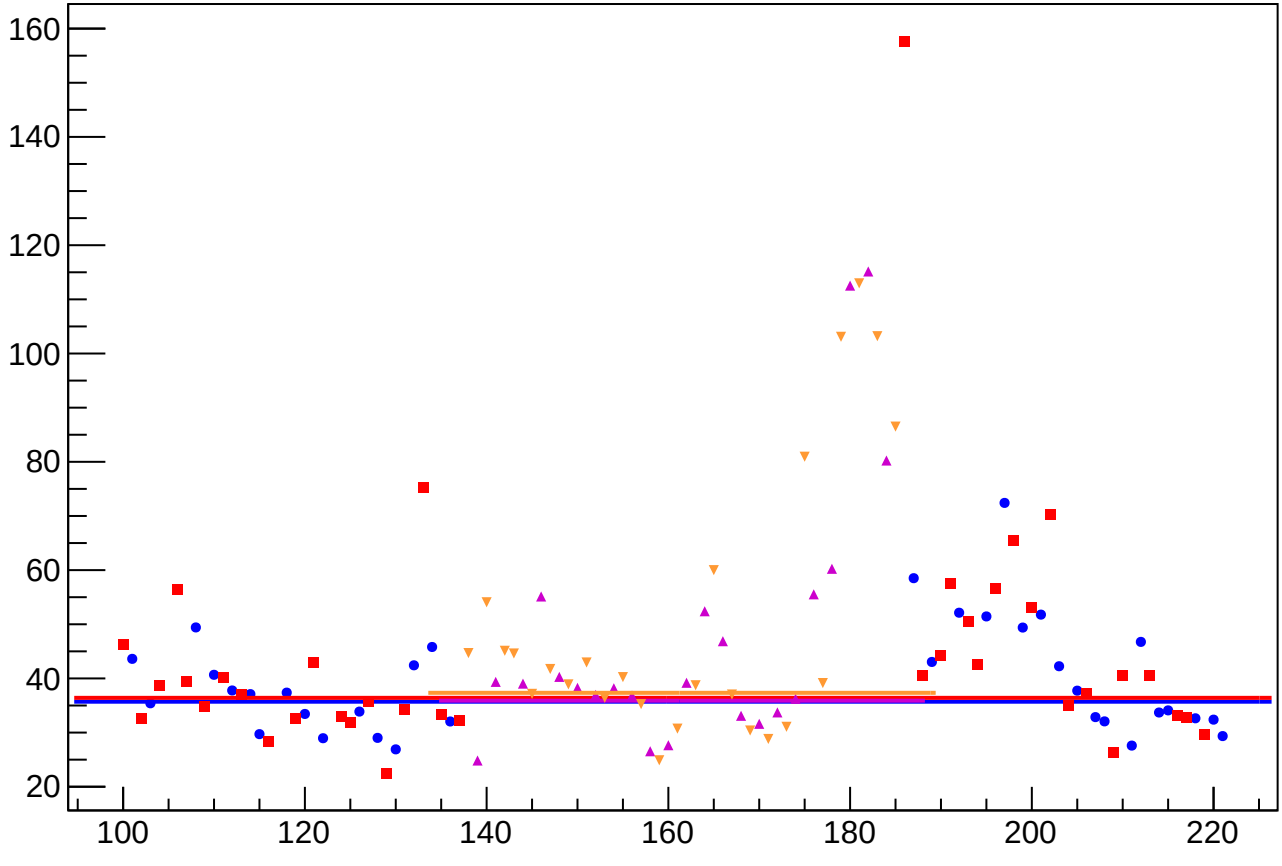
Right: 0.010+/-0.006 χ^2/NDF: 216.8/70

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.023+/-0.006 χ^2/NDF:184.6/61

All: 0.007+/-0.004 χ^2/NDF: 280.1/118

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: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

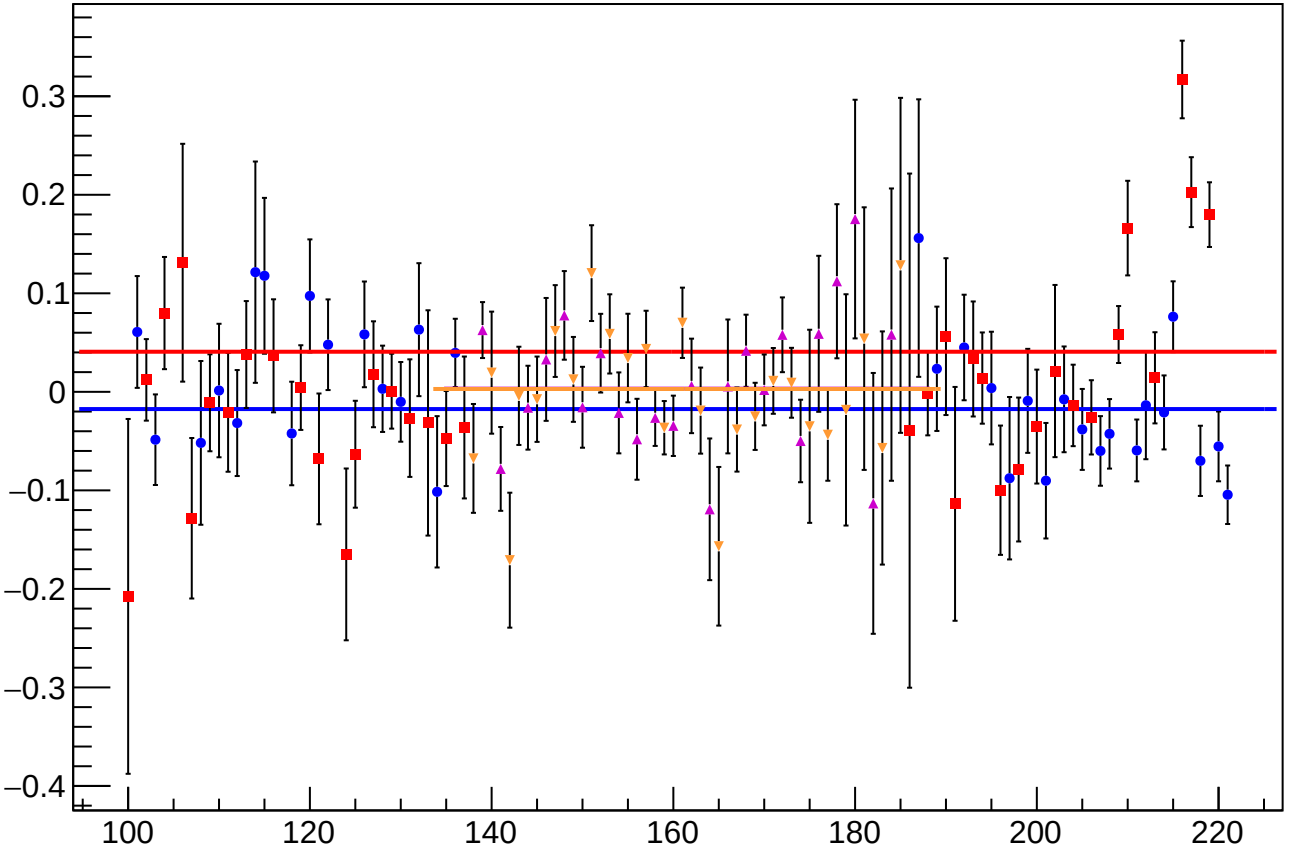
Right: 36.040+/-0.004 χ^2/NDF: 4675065.3/70

In: 35.787+/-0.004 χ^2/NDF:5044522.9/56

Out: 36.838+/-0.004 χ^2/NDF:6469529.7/61

All: 36.295+/-0.003 χ^2/NDF: 11543285.4/118

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: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

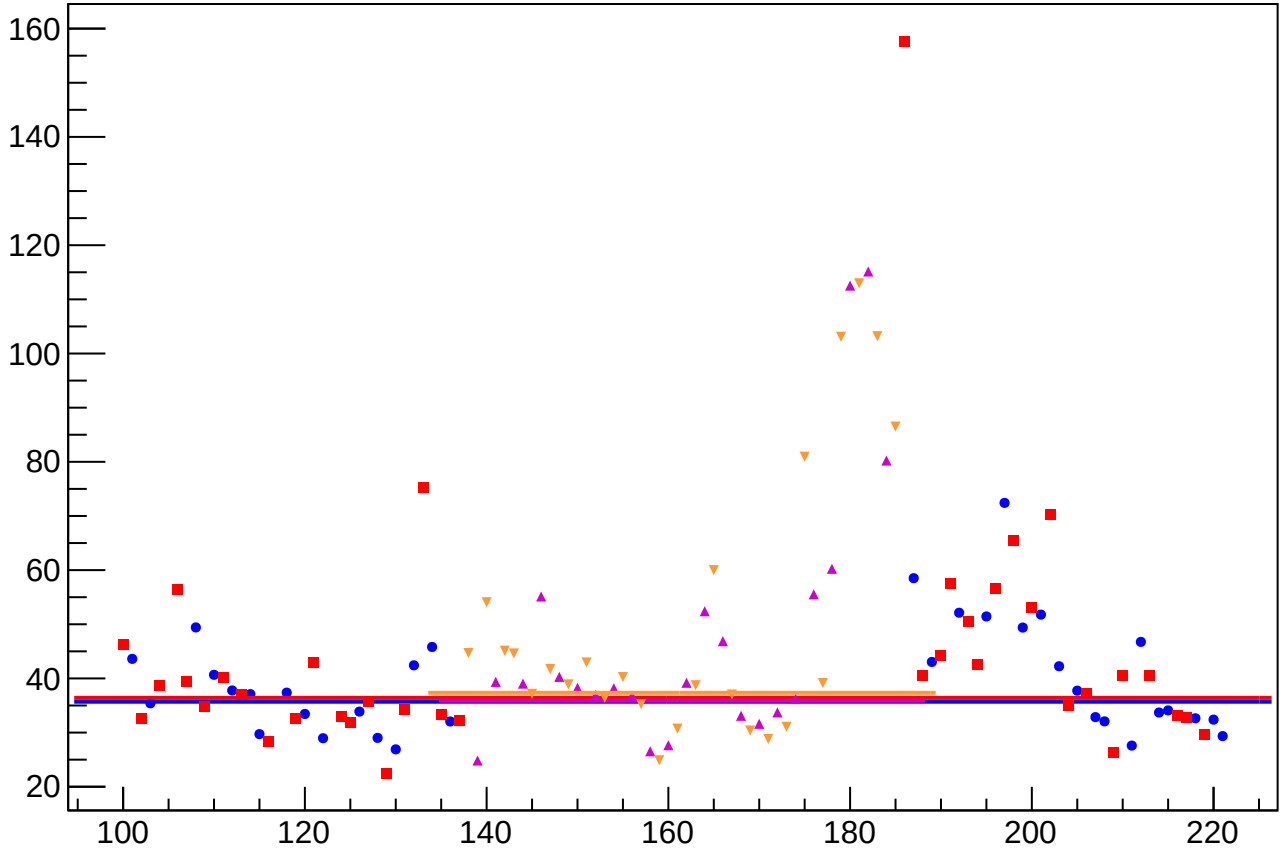
Right: 0.010+/-0.006 χ^2/NDF: 216.8/70

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.023+/-0.006 χ^2/NDF:184.6/61

All: 0.007+/-0.004 χ^2/NDF: 280.1/118

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: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

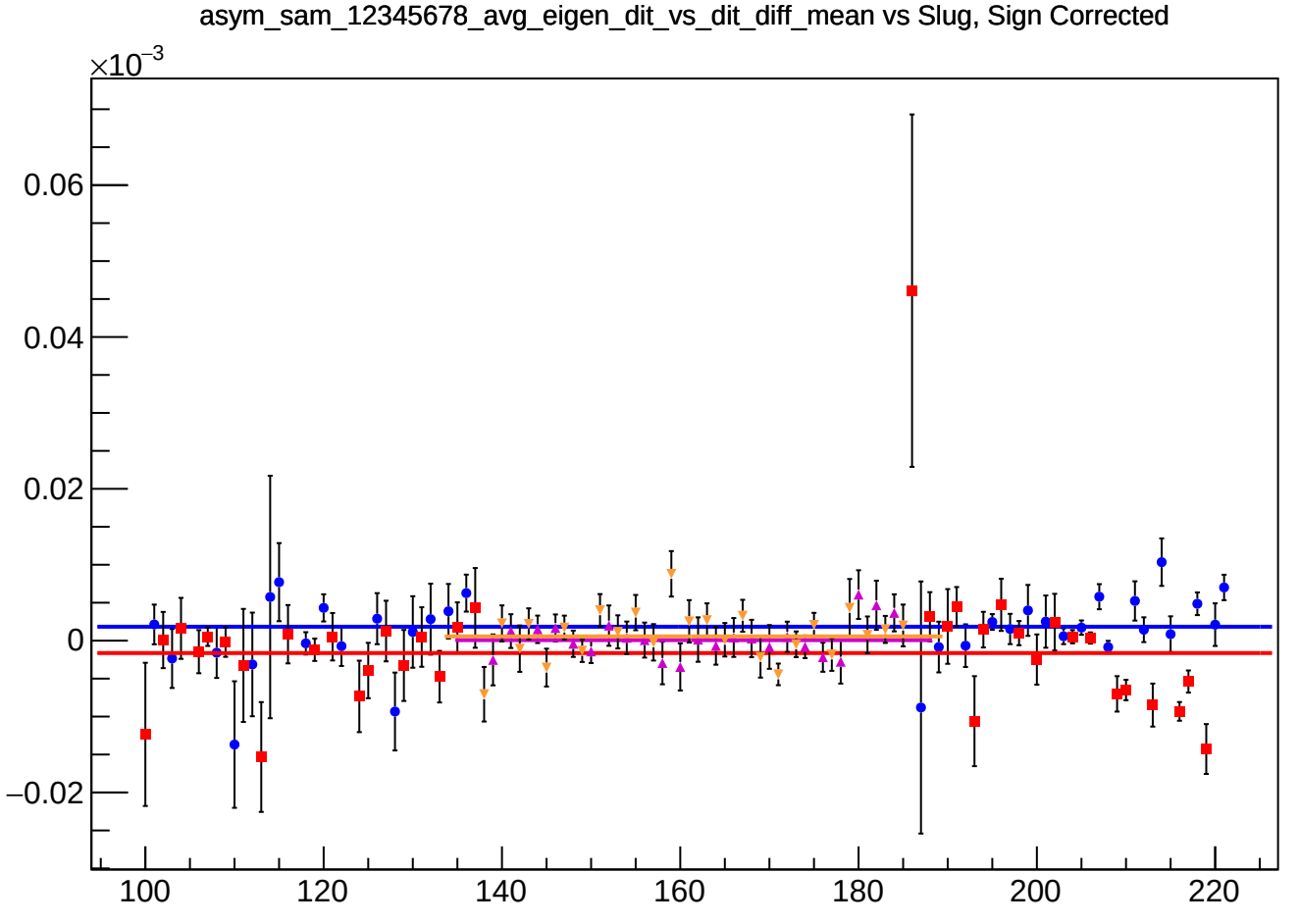
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.040+/-0.004 χ^2/NDF: 4675065.3/70

In: 35.787+/-0.004 χ^2/NDF:5044522.9/56

Out: 36.838+/-0.004 χ^2/NDF:6469529.7/61

All: 36.295+/-0.003 χ^2/NDF: 11543285.4/118



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: 138.2/36

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

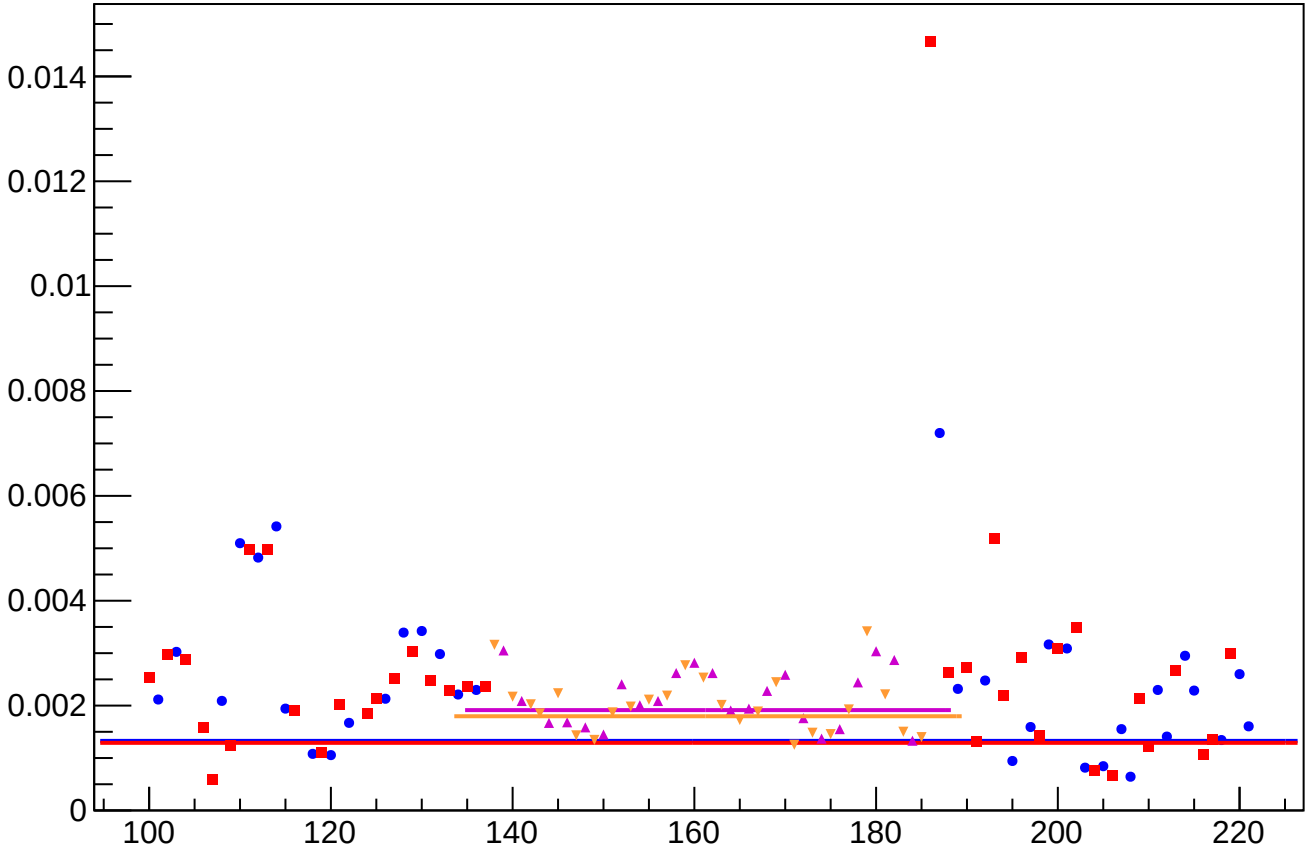
Right: 0.000+/-0.000 χ^2/NDF: 256.0/70

In: 0.000+/-0.000 χ^2/NDF:91.1/56

Out: -0.000+/-0.000 χ^2/NDF:198.0/61

All: 0.000+/-0.000 χ^2/NDF: 317.4/118

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: 11494569.5/36

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

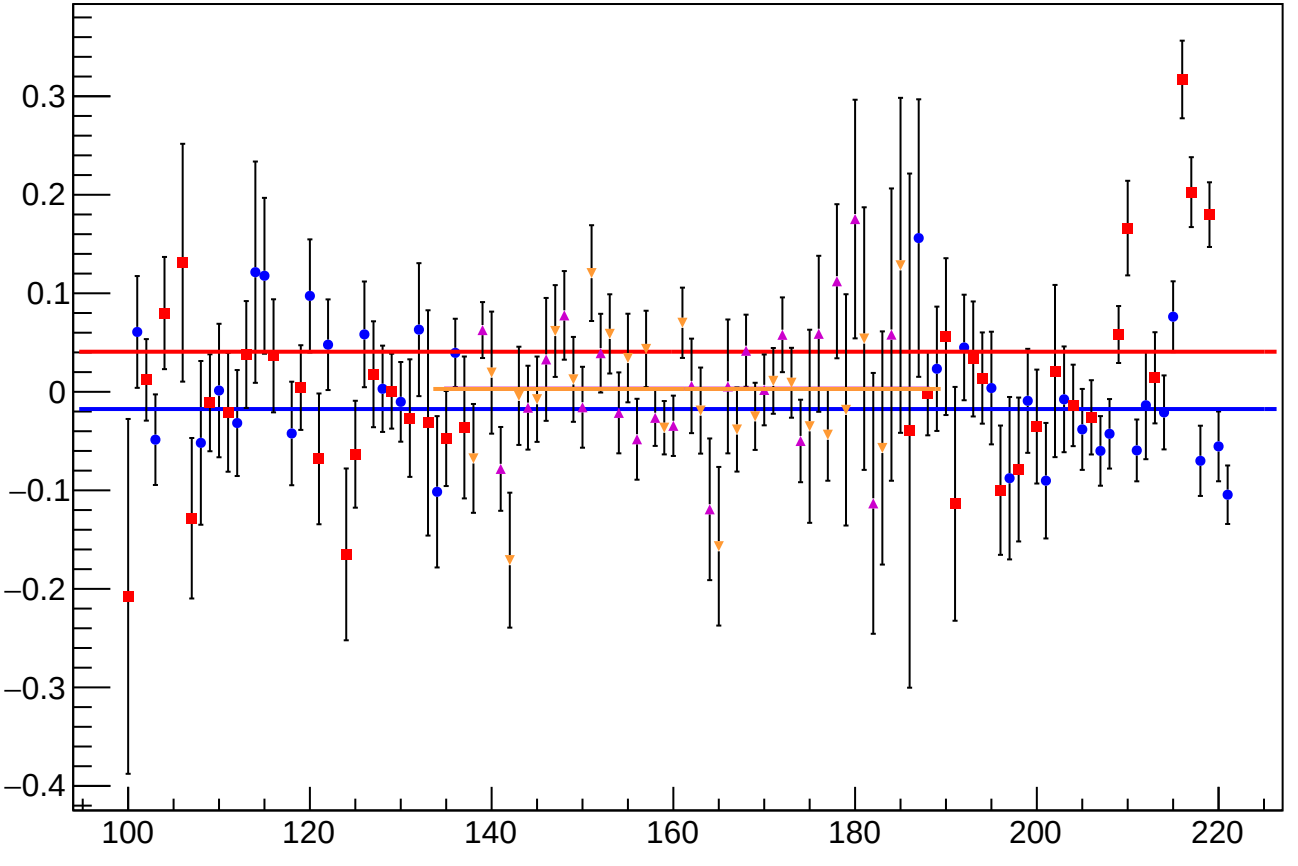
Right: 0.001+/-0.000 χ^2/NDF: 21156405.9/70

In: 0.002+/-0.000 χ^2/NDF:13921838.2/56

Out: 0.001+/-0.000 χ^2/NDF:15523713.3/61

All: 0.002+/-0.000 χ^2/NDF: 29467903.7/118

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: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

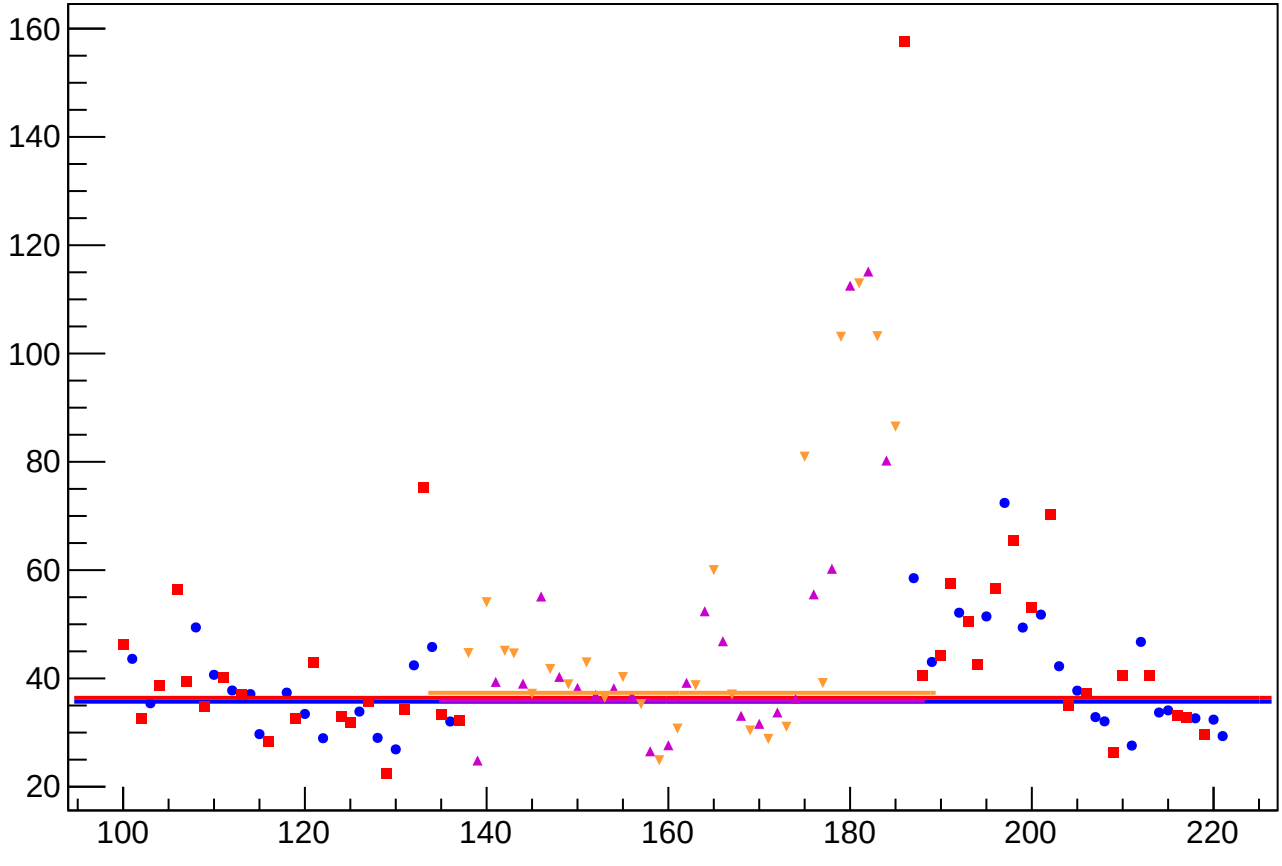
Right: 0.010+/-0.006 χ^2/NDF: 216.8/70

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.023+/-0.006 χ^2/NDF:184.5/61

All: 0.007+/-0.004 χ^2/NDF: 280.1/118

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: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

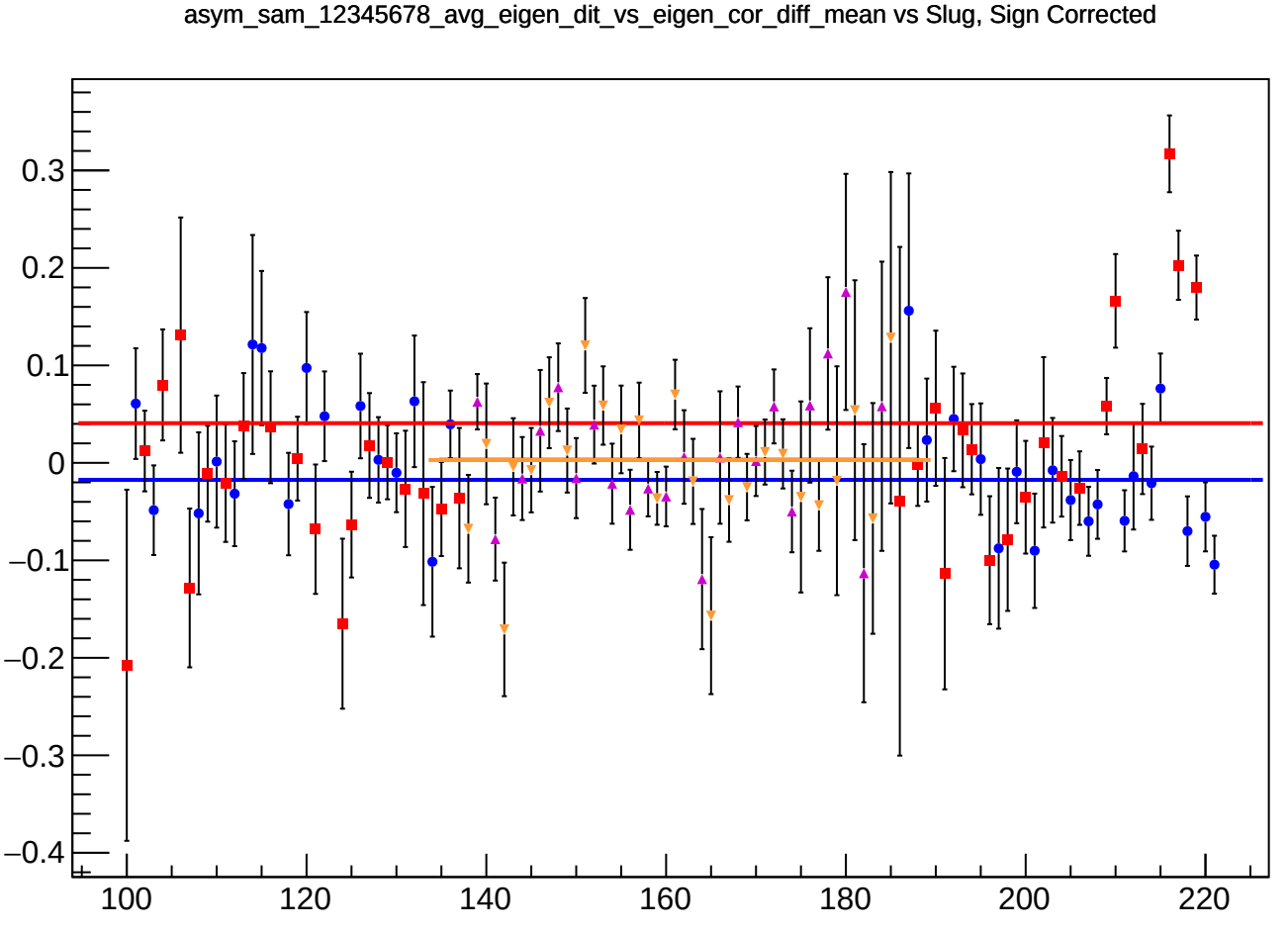
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.039+/-0.004 χ^2/NDF: 4675204.0/70

In: 35.787+/-0.004 χ^2/NDF:5044599.1/56

Out: 36.838+/-0.004 χ^2/NDF:6469672.7/61

All: 36.295+/-0.003 χ^2/NDF: 11543505.5/118



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: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

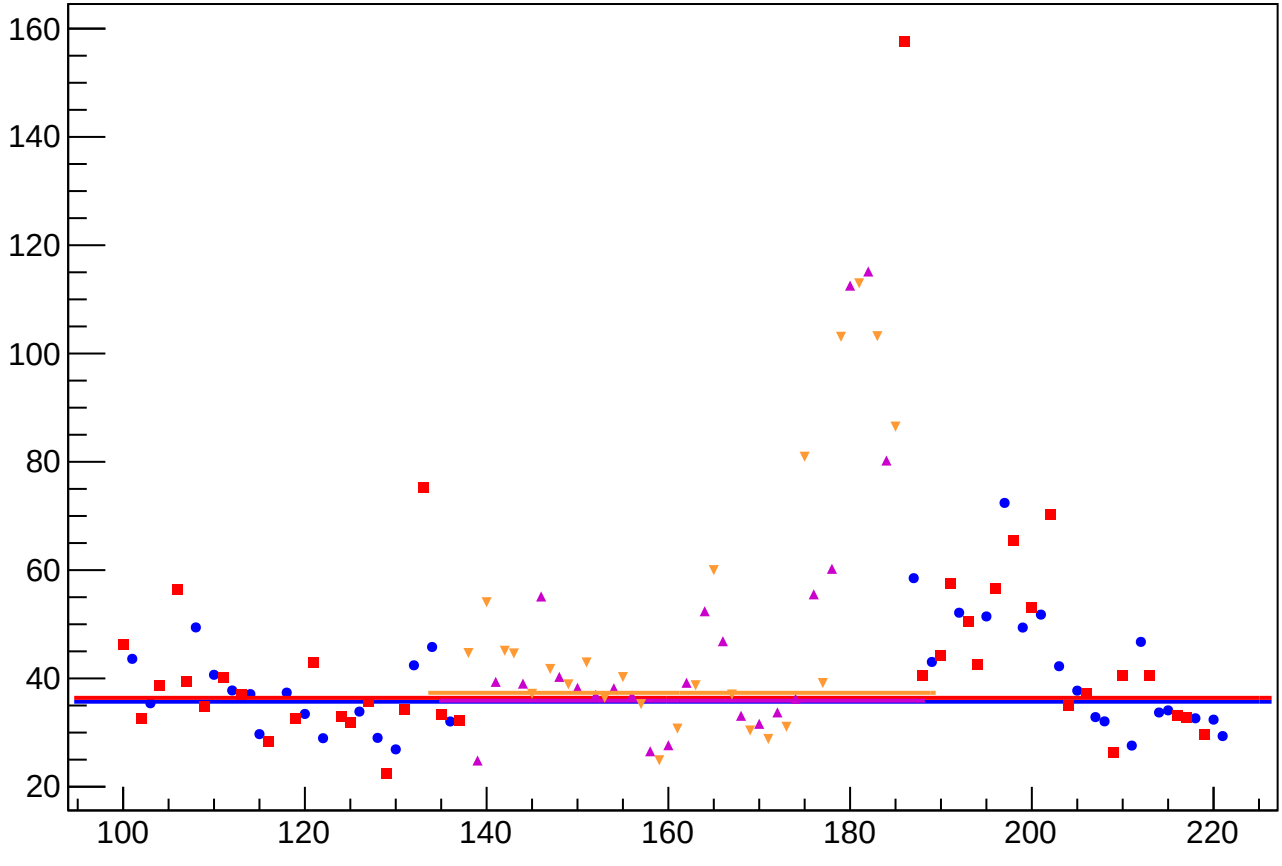
Right: 0.010+/-0.006 χ^2/NDF: 216.8/70

In: -0.008+/-0.006 χ^2/NDF:82.1/56

Out: 0.023+/-0.006 χ^2/NDF:184.5/61

All: 0.007+/-0.004 χ^2/NDF: 280.1/118

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: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

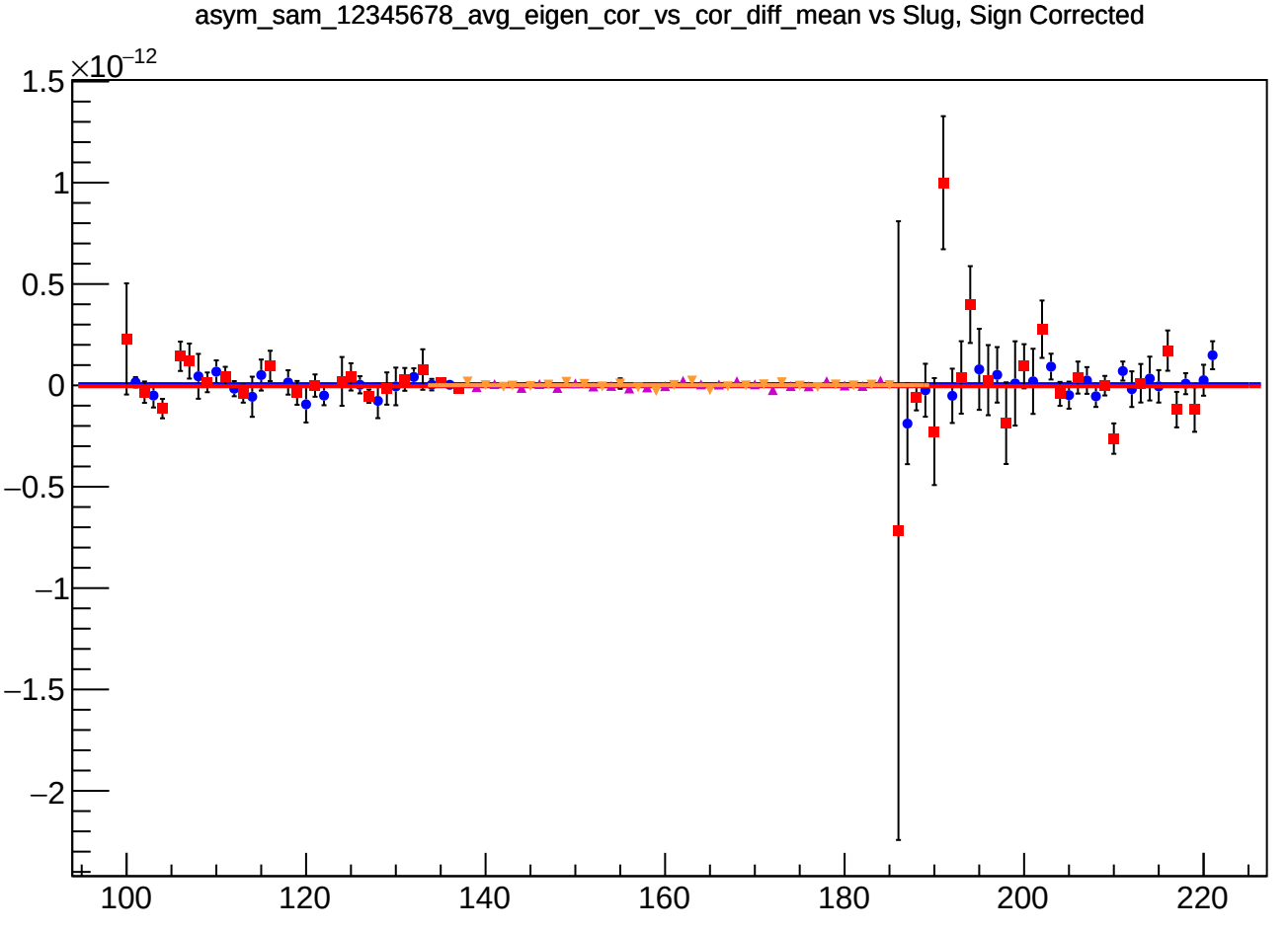
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.039+/-0.004 χ^2/NDF: 4675204.0/70

In: 35.787+/-0.004 χ^2/NDF:5044599.1/56

Out: 36.838+/-0.004 χ^2/NDF:6469672.7/61

All: 36.295+/-0.003 χ^2/NDF: 11543505.5/118



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: 61.4/36

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

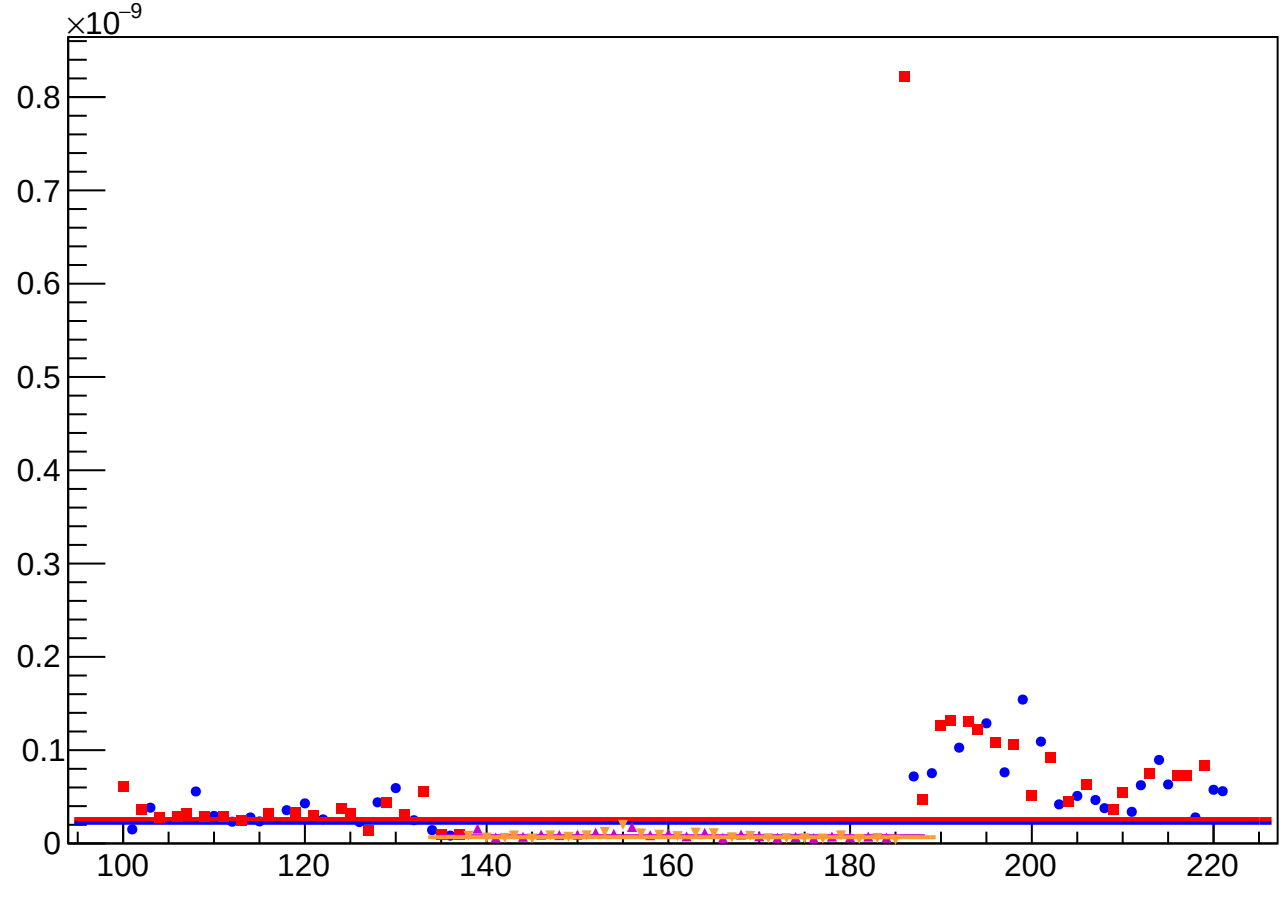
Right: 0.000+/-0.000 χ^2/NDF: 81.6/70

In: 0.000+/-0.000 χ^2/NDF:49.1/56

Out: 0.000+/-0.000 χ^2/NDF:83.1/61

All: 0.000+/-0.000 χ^2/NDF: 132.3/118

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 10223326.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

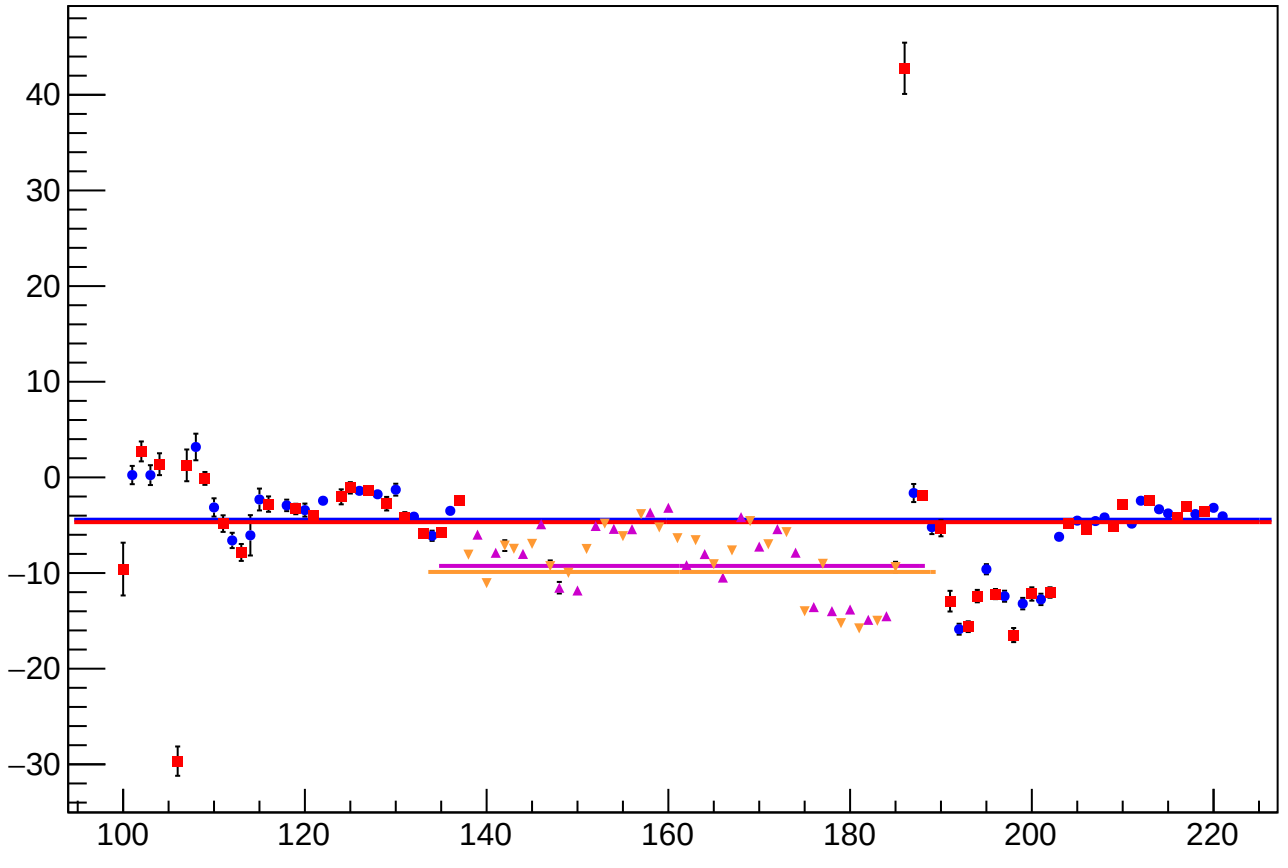
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 21514117.0/70

In: 0.000+/-0.000 χ^2/NDF:18791041.9/56

Out: 0.000+/-0.000 χ^2/NDF:20815152.3/61

All: 0.000+/-0.000 χ^2/NDF: 39995228.6/118



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: -4.680+/-0.079 χ^2/NDF: 2446.4/36

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

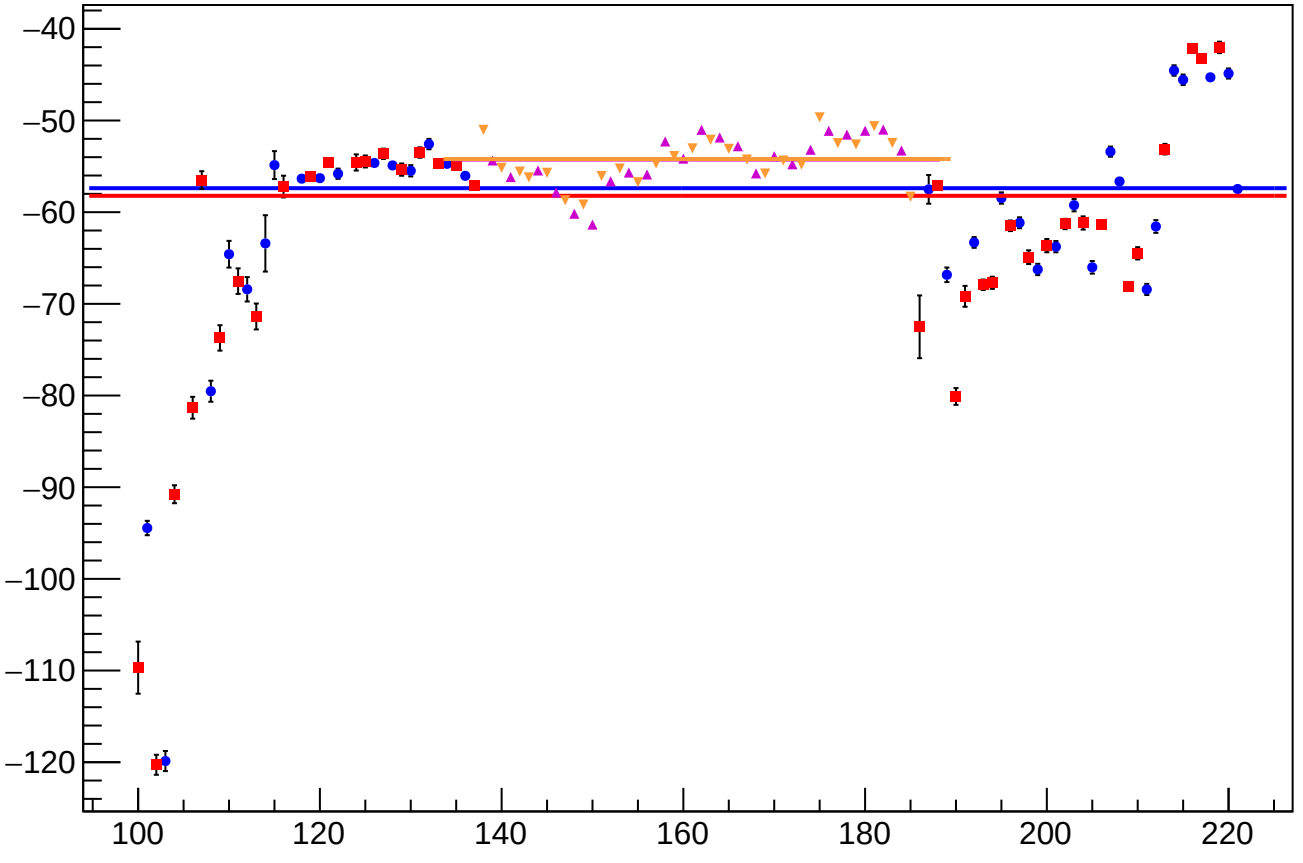
Right: -4.545+/-0.054 χ^2/NDF: 3878.6/70

In: -6.948+/-0.052 χ^2/NDF:6666.4/56

Out: -7.624+/-0.052 χ^2/NDF:8089.5/61

All: -7.283+/-0.037 χ^2/NDF: 14840.4/118

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: -58.213+/-0.101 χ^2/NDF: 10177.8/36

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

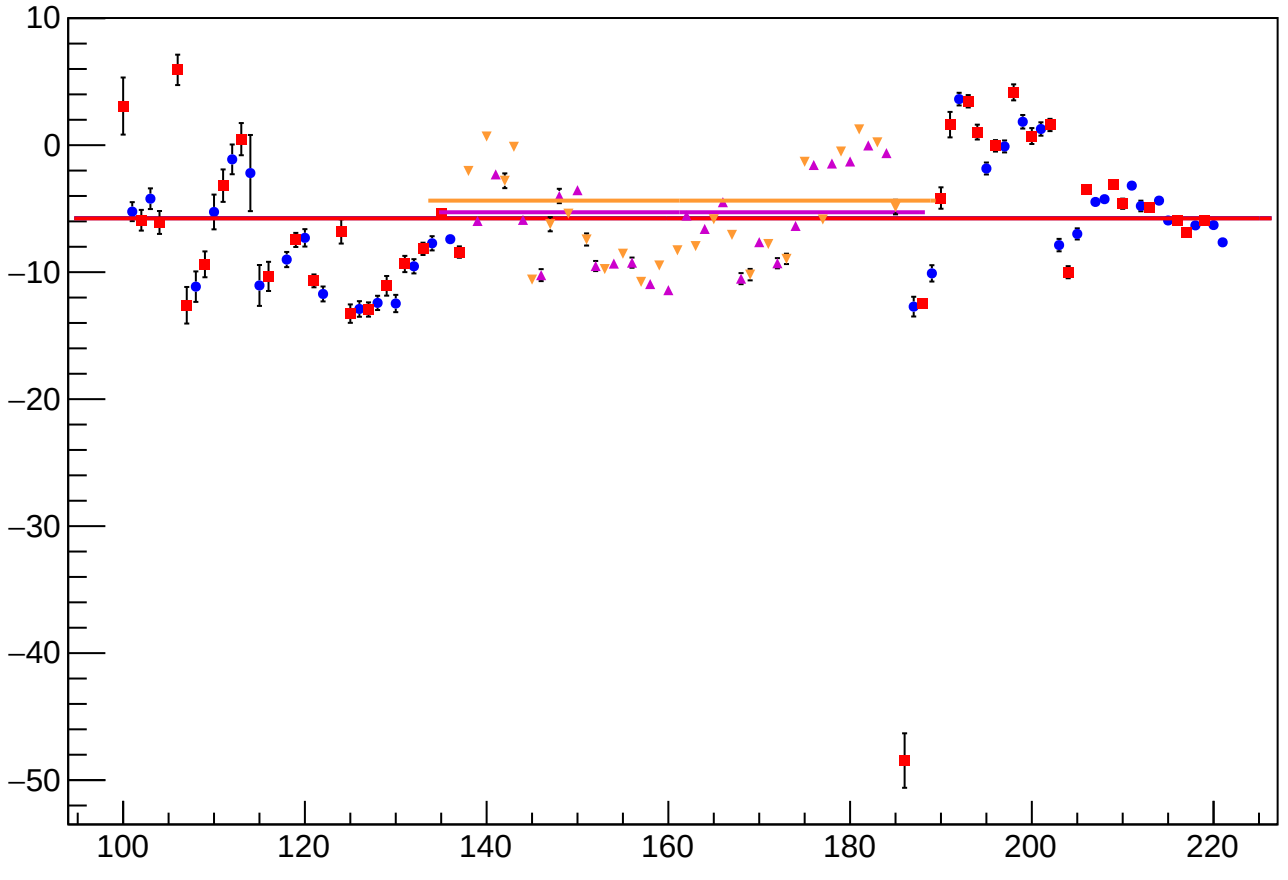
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -57.785+/-0.070 χ^2/NDF: 19731.2/70

In: -55.073+/-0.050 χ^2/NDF:12758.2/56

Out: -55.142+/-0.049 χ^2/NDF:13237.9/61

All: -55.108+/-0.035 χ^2/NDF: 25997.1/118



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: -5.765+/-0.082 χ^2/NDF: 3287.8/36

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

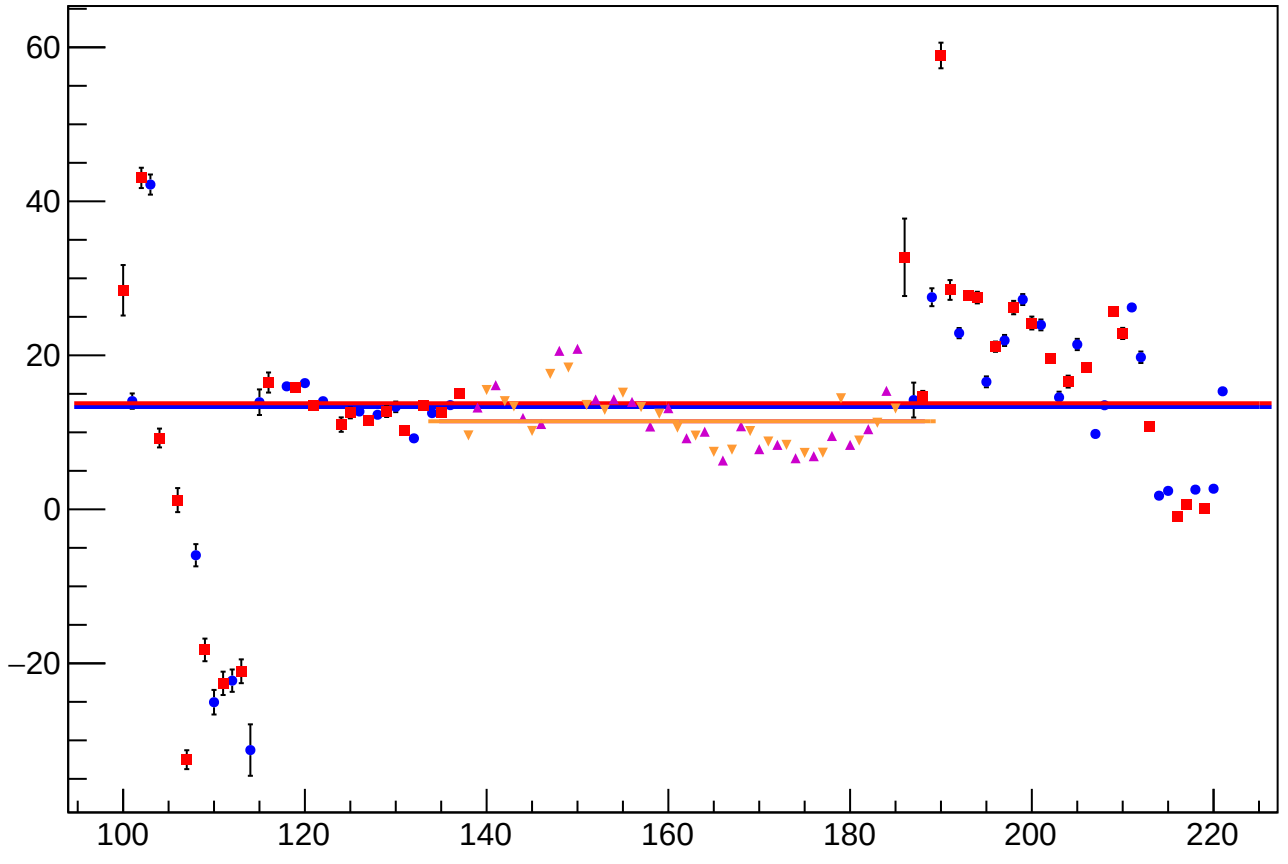
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.757+/-0.056 χ^2/NDF: 5226.7/70

In: -5.495+/-0.052 χ^2/NDF:4708.5/56

Out: -4.952+/-0.053 χ^2/NDF:7160.3/61

All: -5.225+/-0.037 χ^2/NDF: 11921.9/118



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: 13.776+/-0.113 χ^2/NDF: 8384.2/36

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

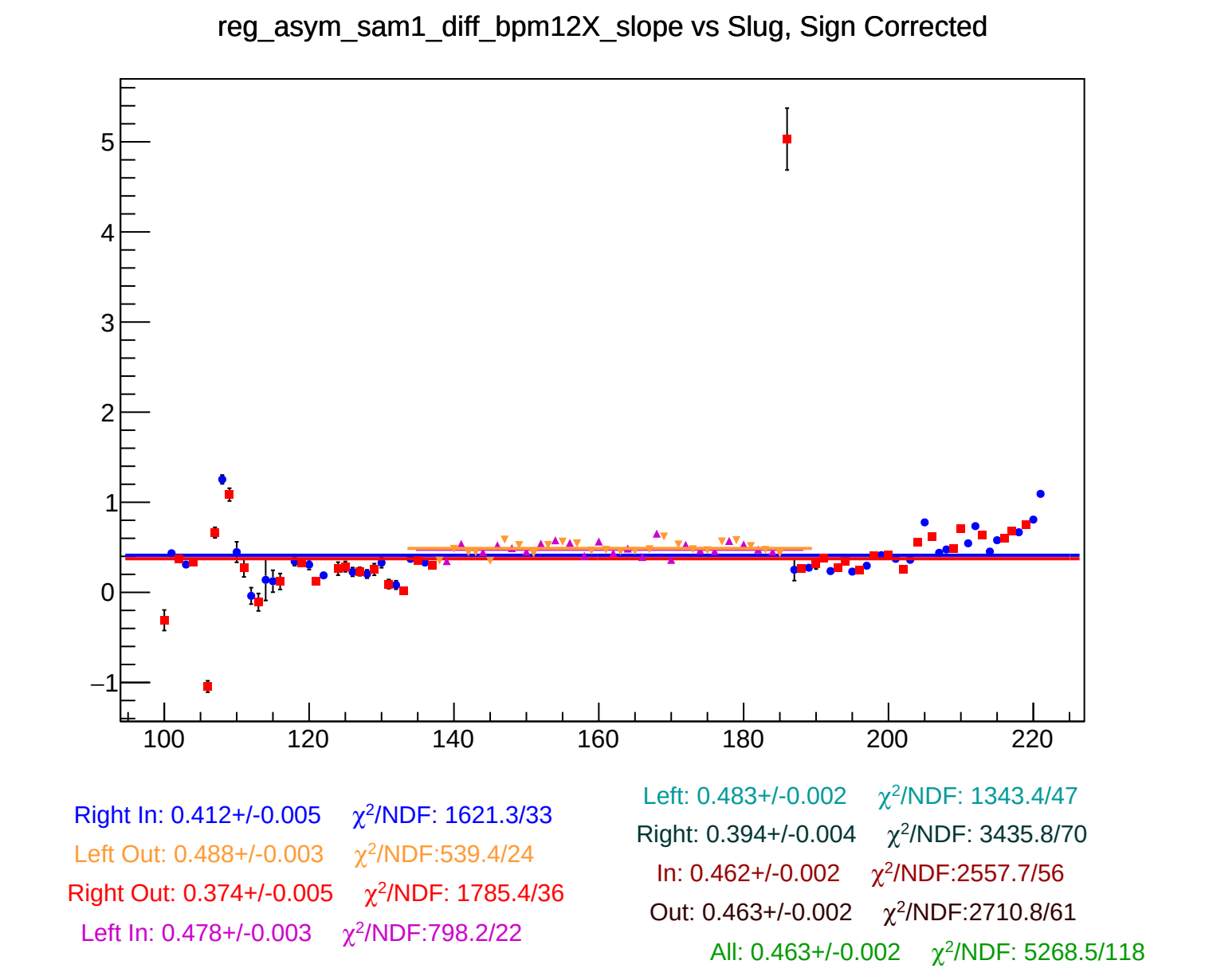
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

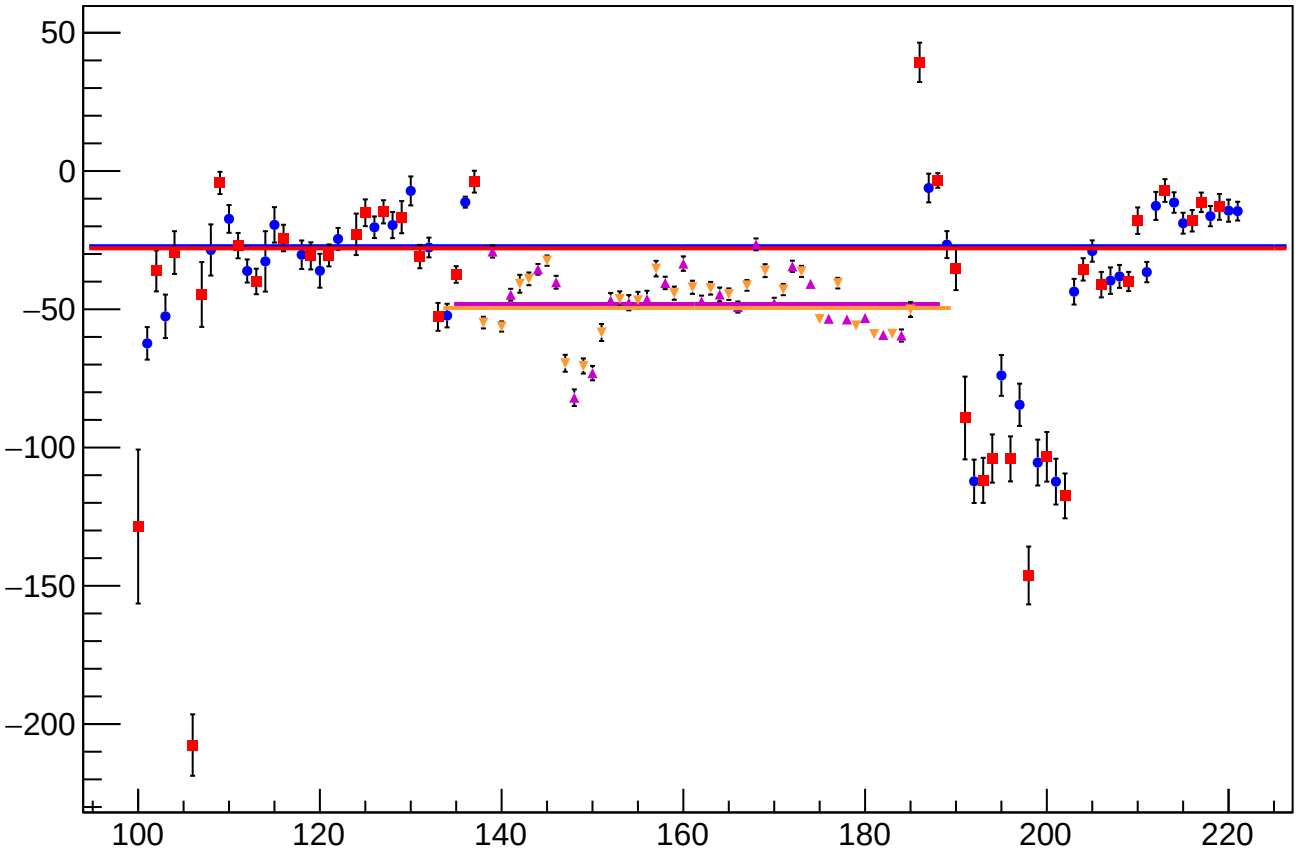
Right: 13.523+/-0.078 χ^2/NDF: 13876.3/70

In: 11.923+/-0.055 χ^2/NDF:9057.5/56

Out: 11.976+/-0.054 χ^2/NDF:11147.2/61

All: 11.950+/-0.039 χ^2/NDF: 20205.2/118


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: 0.412+/-0.005 χ²/NDF: 1621.3/33
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.374+/-0.005 χ²/NDF: 1785.4/36
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.394+/-0.004 χ²/NDF: 3435.8/70
In: 0.462+/-0.002 χ²/NDF:2557.7/56
Out: 0.463+/-0.002 χ²/NDF:2710.8/61
All: 0.463+/-0.002 χ²/NDF: 5268.5/118



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: -27.971+/-0.810 χ^2/NDF: 1290.0/36

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

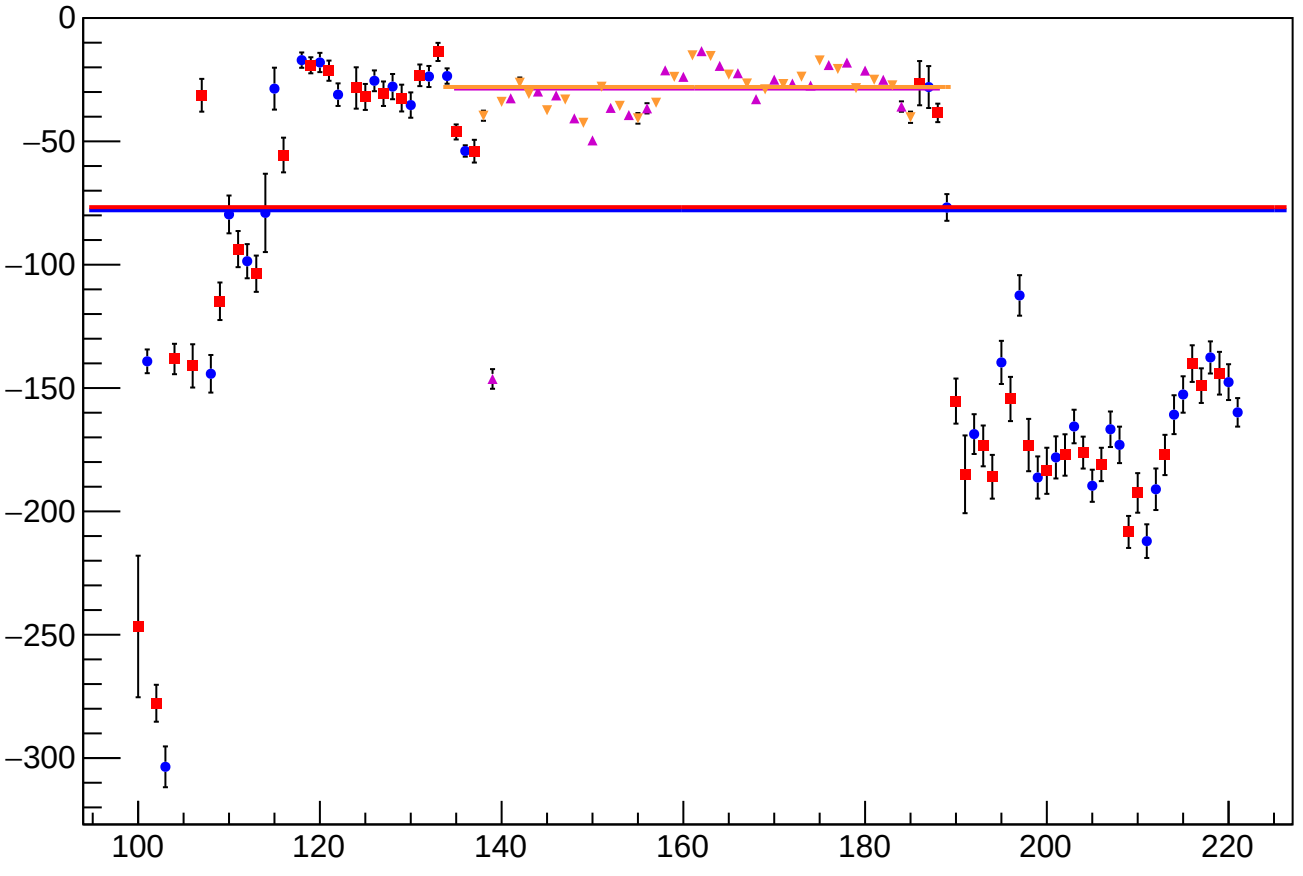
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -27.557+/-0.557 χ^2/NDF: 1991.4/70

In: -43.287+/-0.367 χ^2/NDF:1979.8/56

Out: -45.252+/-0.360 χ^2/NDF:2433.8/61

All: -44.288+/-0.257 χ^2/NDF: 4428.2/118



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: -76.674+/-0.980 χ^2/NDF: 4792.1/36

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

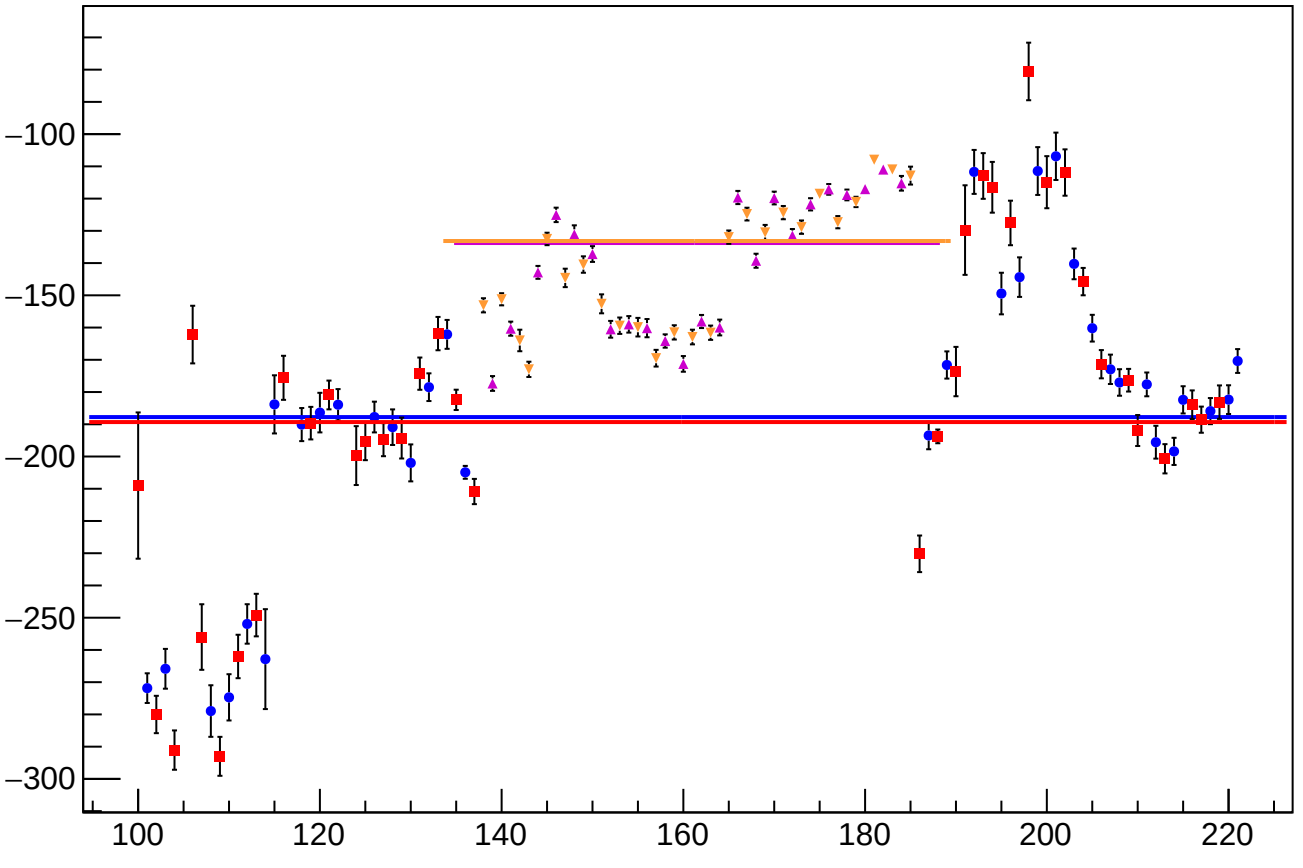
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -77.343+/-0.673 χ^2/NDF: 9895.9/70

In: -34.274+/-0.314 χ^2/NDF:9102.6/56

Out: -32.680+/-0.305 χ^2/NDF:7521.0/61

All: -33.454+/-0.219 χ^2/NDF: 16636.9/118



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: -189.315+/-0.840 χ^2/NDF: 2008.2/36

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

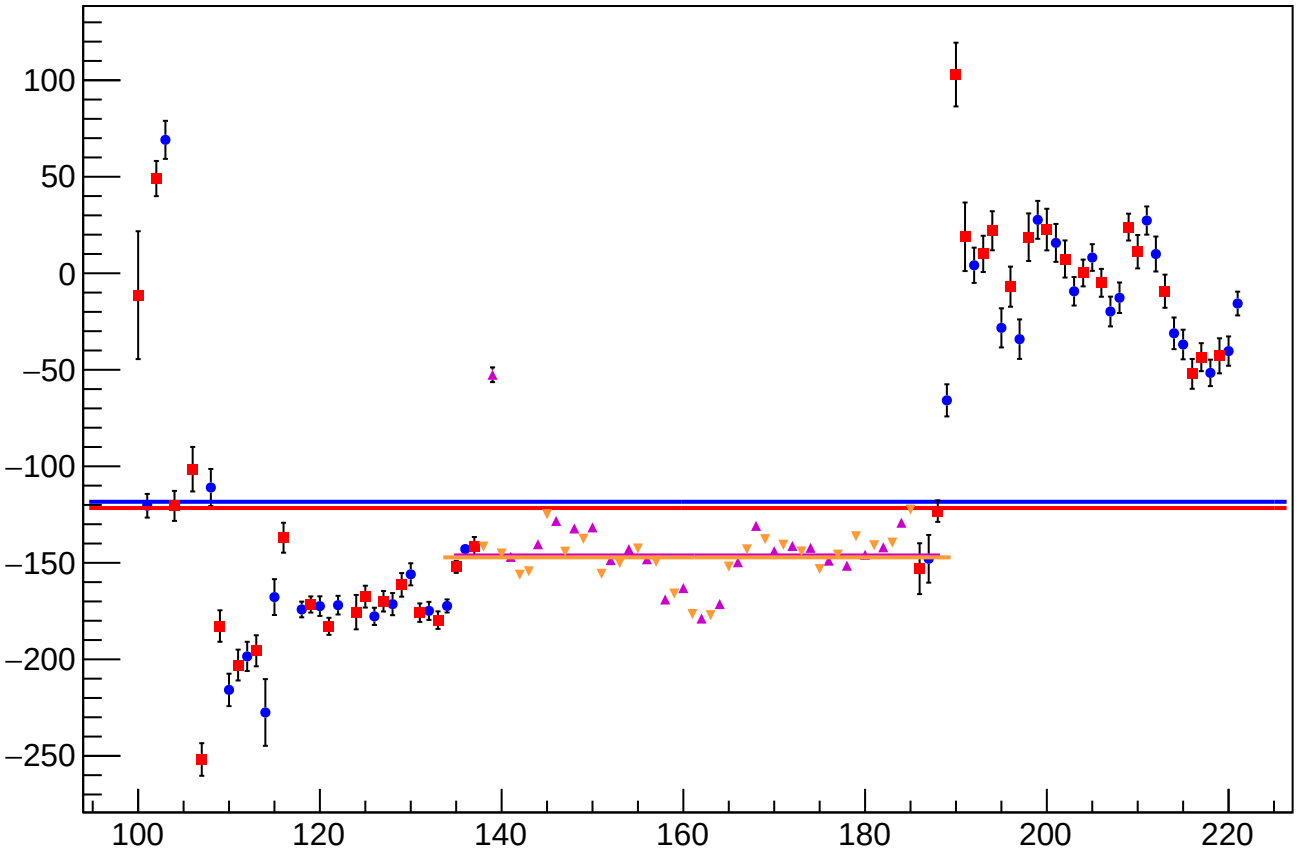
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -188.506+/-0.580 χ^2/NDF: 3688.5/70

In: -145.289+/-0.370 χ^2/NDF:7694.1/56

Out: -143.664+/-0.363 χ^2/NDF:8174.2/61

All: -144.462+/-0.259 χ^2/NDF: 15878.1/118



Right In: -118.371+/-1.032 χ^2/NDF: 4897.1/33

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -121.613+/-1.113 χ^2/NDF: 4769.4/36

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

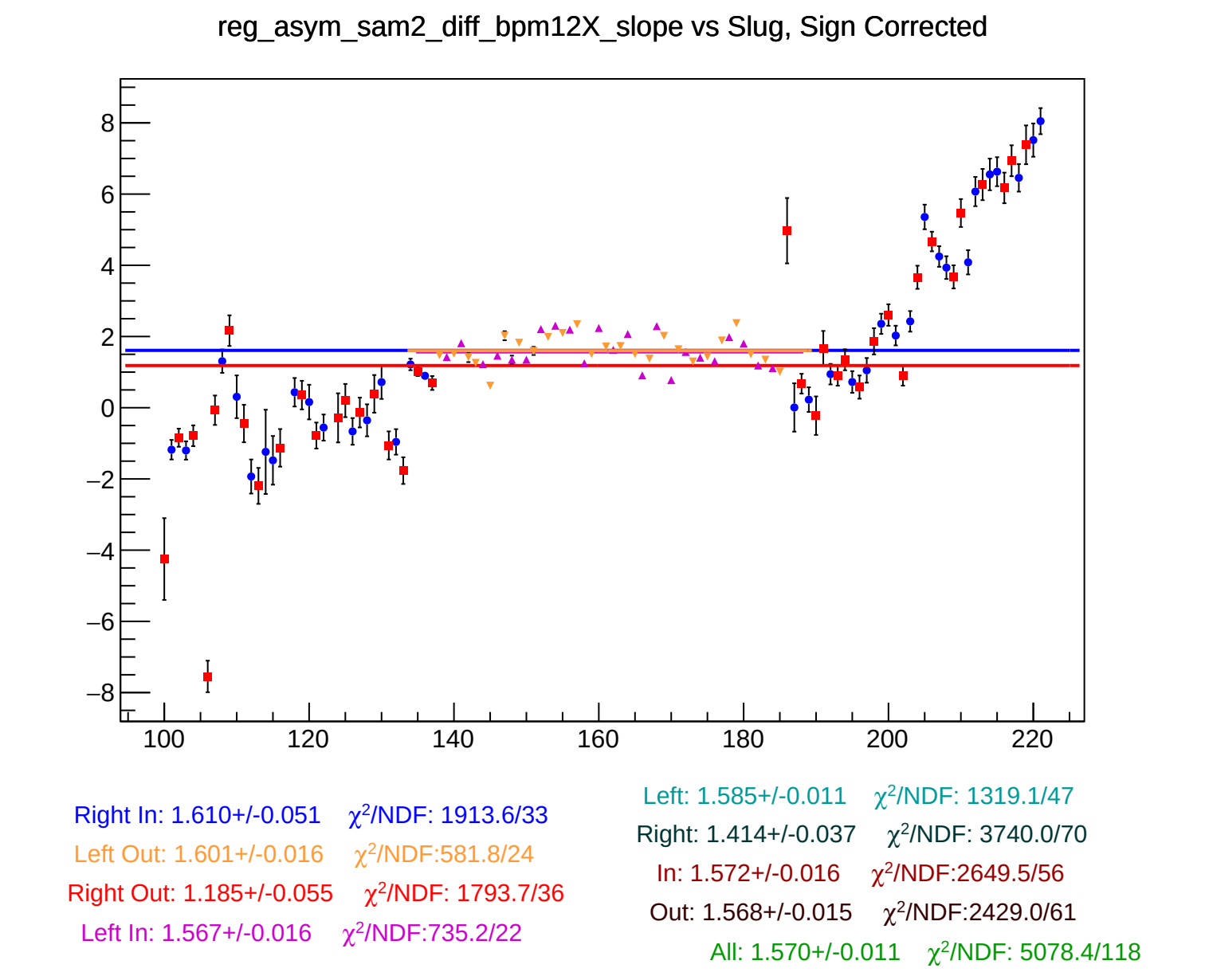
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

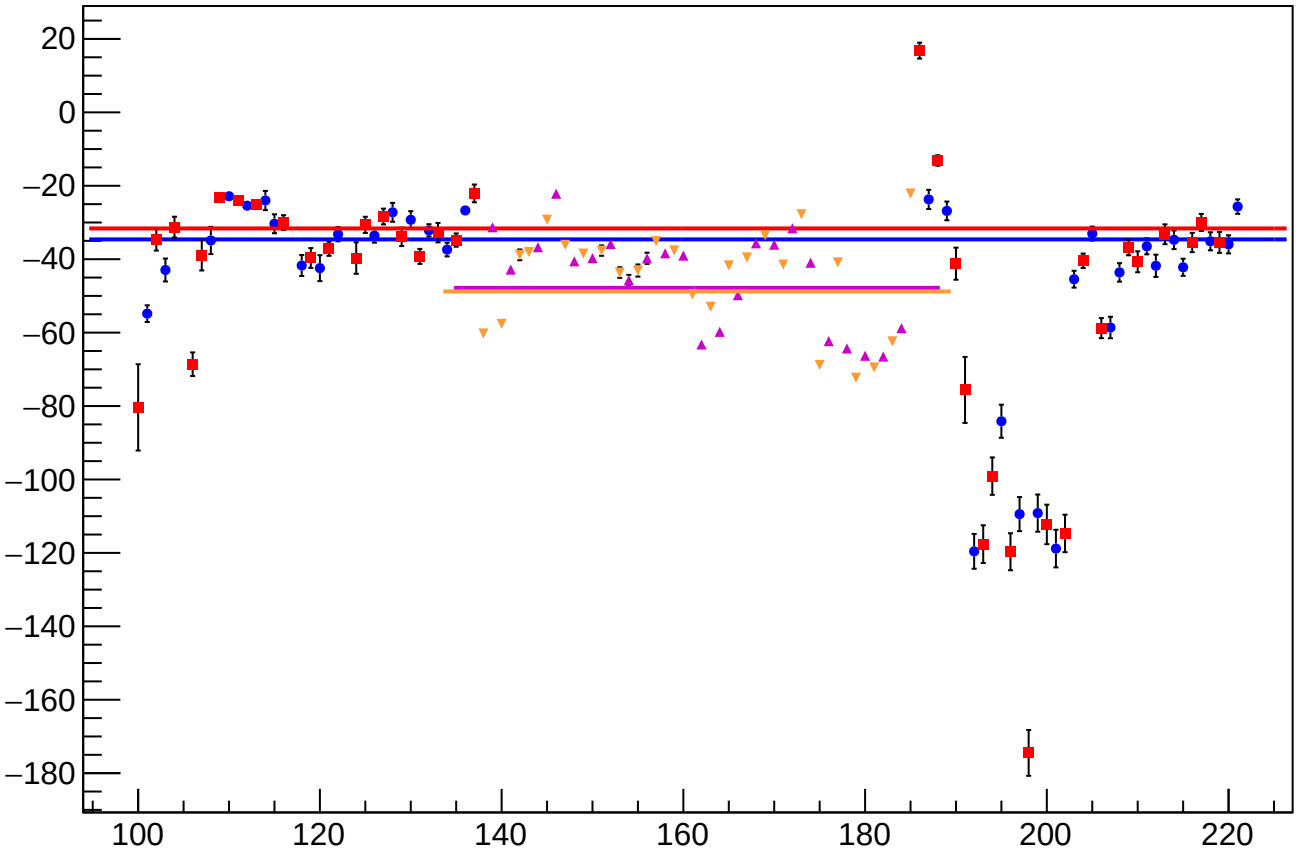
Right: -119.870+/-0.757 χ^2/NDF: 9671.0/70

In: -142.998+/-0.349 χ^2/NDF:7333.6/56

Out: -144.770+/-0.341 χ^2/NDF:6492.6/61

All: -143.904+/-0.244 χ^2/NDF: 13839.5/118


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 1.610+/-0.051 χ²/NDF: 1913.6/33
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 1.185+/-0.055 χ²/NDF: 1793.7/36
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 1.414+/-0.037 χ²/NDF: 3740.0/70
In: 1.572+/-0.016 χ²/NDF:2649.5/56
Out: 1.568+/-0.015 χ²/NDF:2429.0/61
All: 1.570+/-0.011 χ²/NDF: 5078.4/118



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: -31.622+/-0.372 χ^2/NDF: 2958.1/36

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

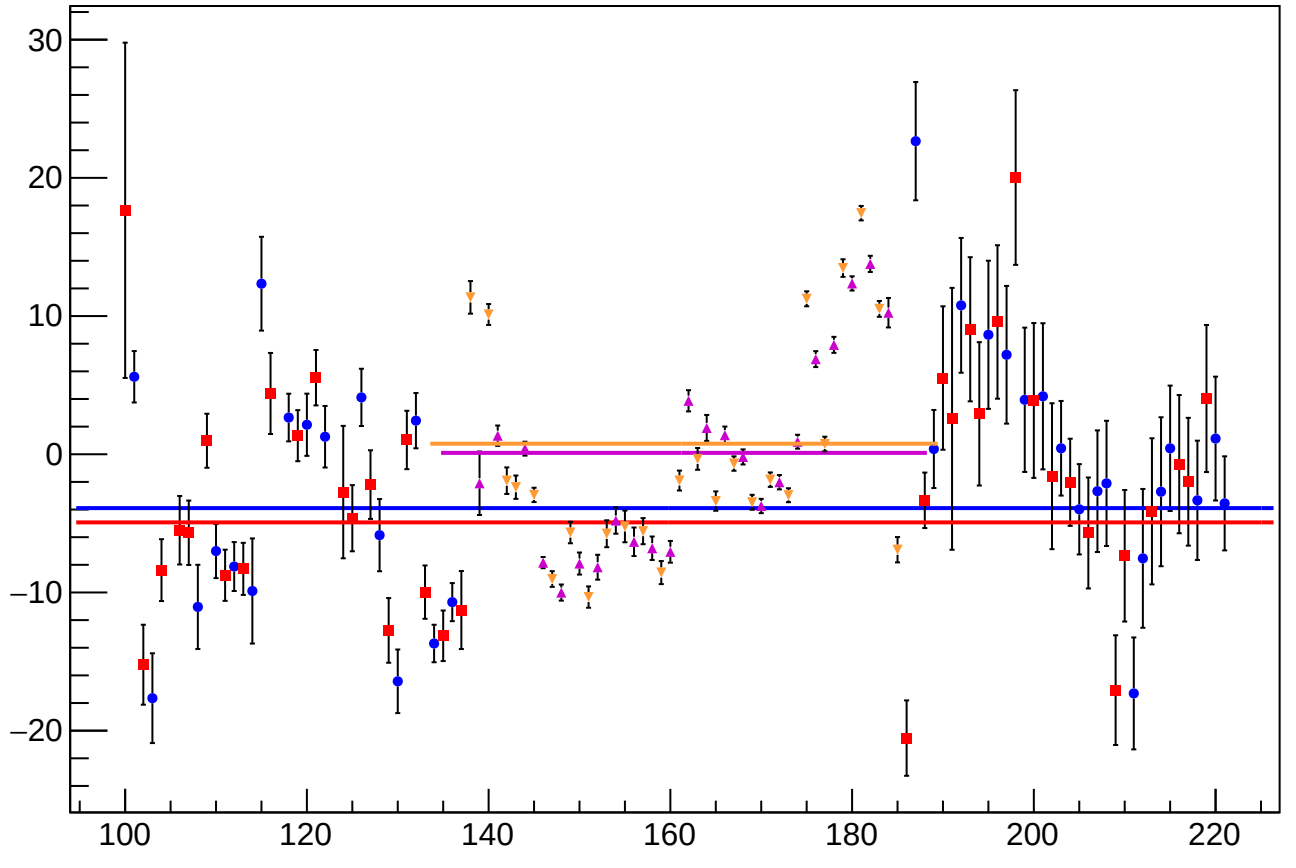
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -33.097+/-0.264 χ^2/NDF: 4682.8/70

In: -45.579+/-0.155 χ^2/NDF:9942.1/56

Out: -45.909+/-0.152 χ^2/NDF:13685.1/61

All: -45.747+/-0.109 χ^2/NDF: 23629.5/118



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: -4.929+/-0.461 χ^2/NDF: 224.1/36

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

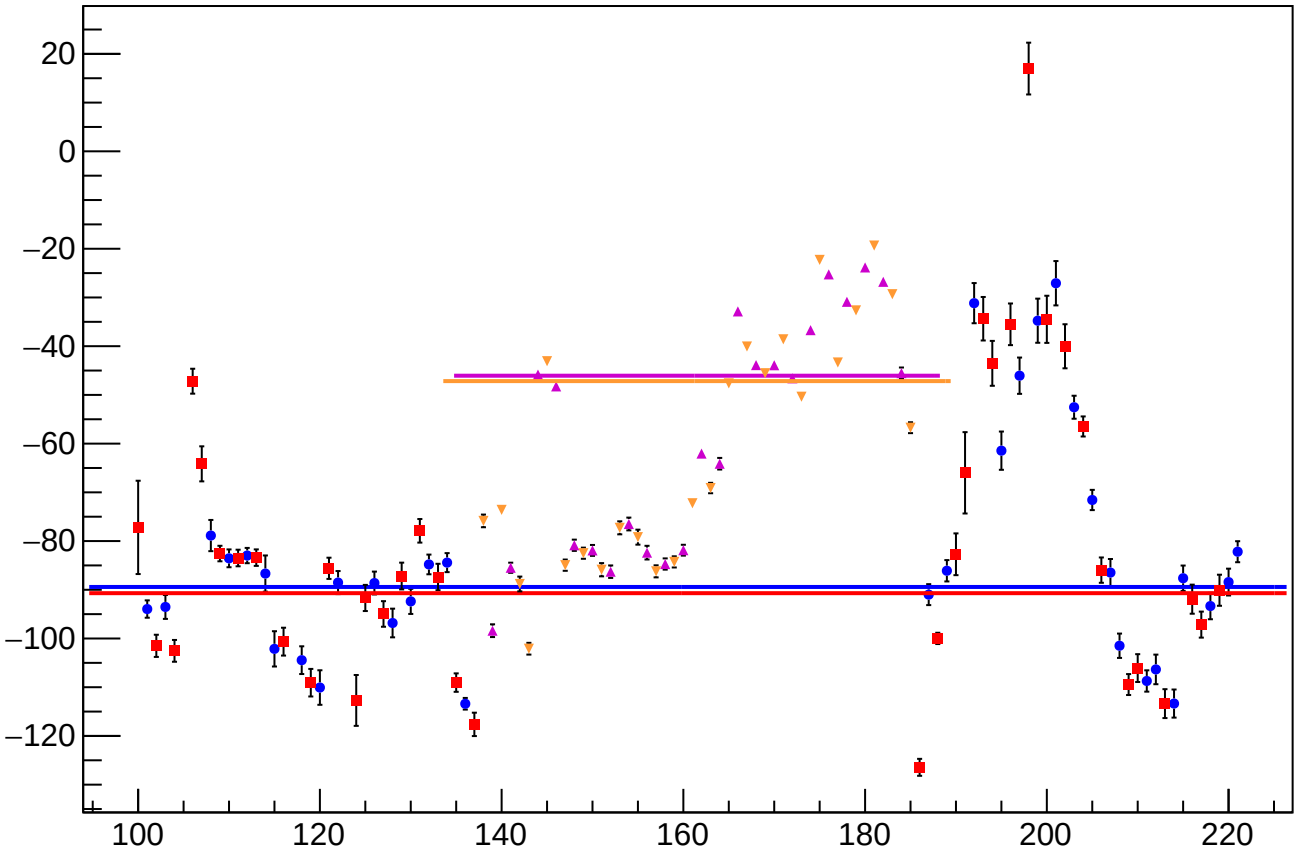
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.403+/-0.323 χ^2/NDF: 548.9/70

In: -0.215+/-0.128 χ^2/NDF:3115.8/56

Out: 0.332+/-0.127 χ^2/NDF:3832.3/61

All: 0.059+/-0.090 χ^2/NDF: 6957.3/118



Right In: -89.421+/-0.410 χ^2/NDF: 1799.6/33

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.696+/-0.408 χ^2/NDF: 2839.4/36

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

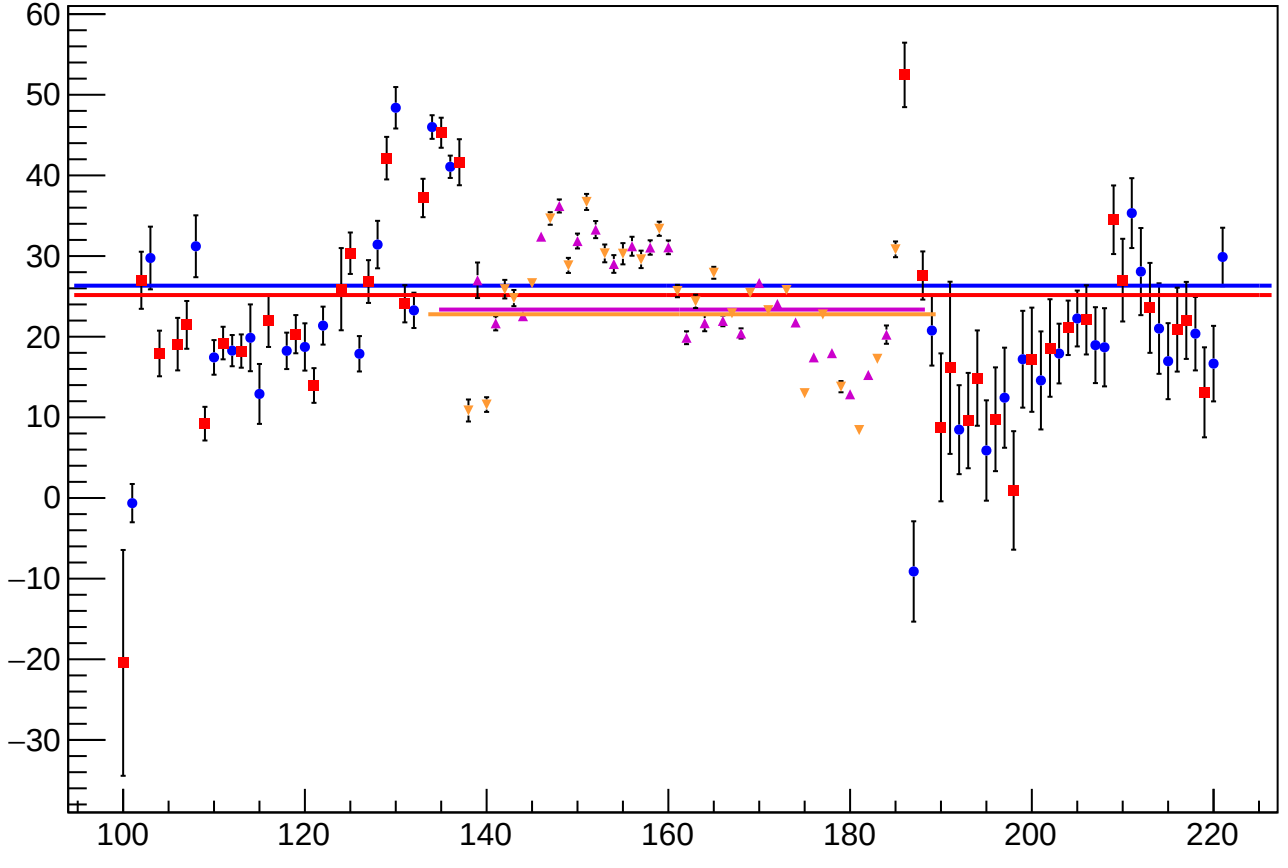
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.061+/-0.289 χ^2/NDF: 4643.9/70

In: -52.434+/-0.157 χ^2/NDF:26118.5/56

Out: -53.444+/-0.155 χ^2/NDF:30231.8/61

All: -52.946+/-0.110 χ^2/NDF: 56371.3/118



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: 25.164+/-0.527 χ^2/NDF: 448.2/36

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

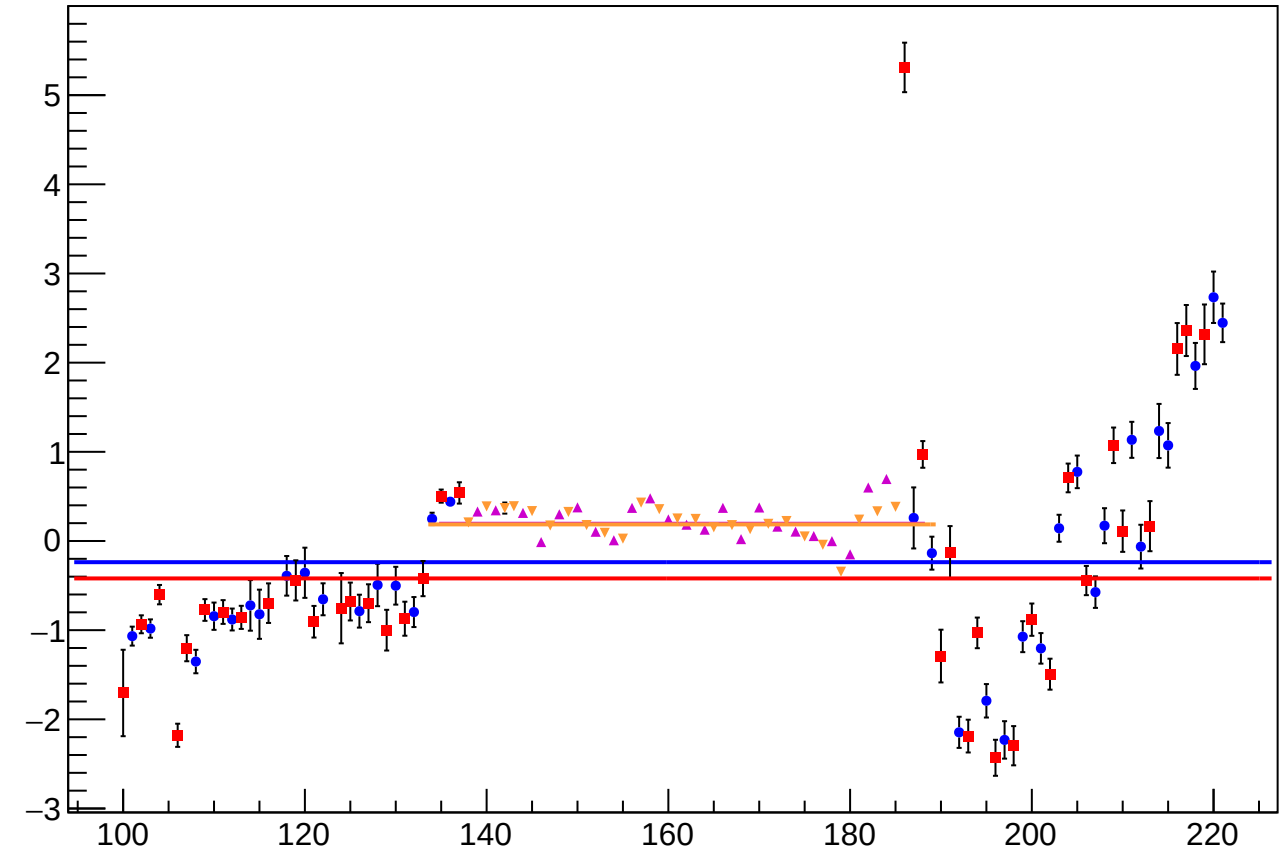
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.769+/-0.366 χ^2/NDF: 1137.3/70

In: 23.600+/-0.143 χ^2/NDF:2503.3/56

Out: 22.954+/-0.142 χ^2/NDF:2880.1/61

All: 23.275+/-0.101 χ^2/NDF: 5393.7/118



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: -0.420+/-0.027 χ^2/NDF: 1720.9/36

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

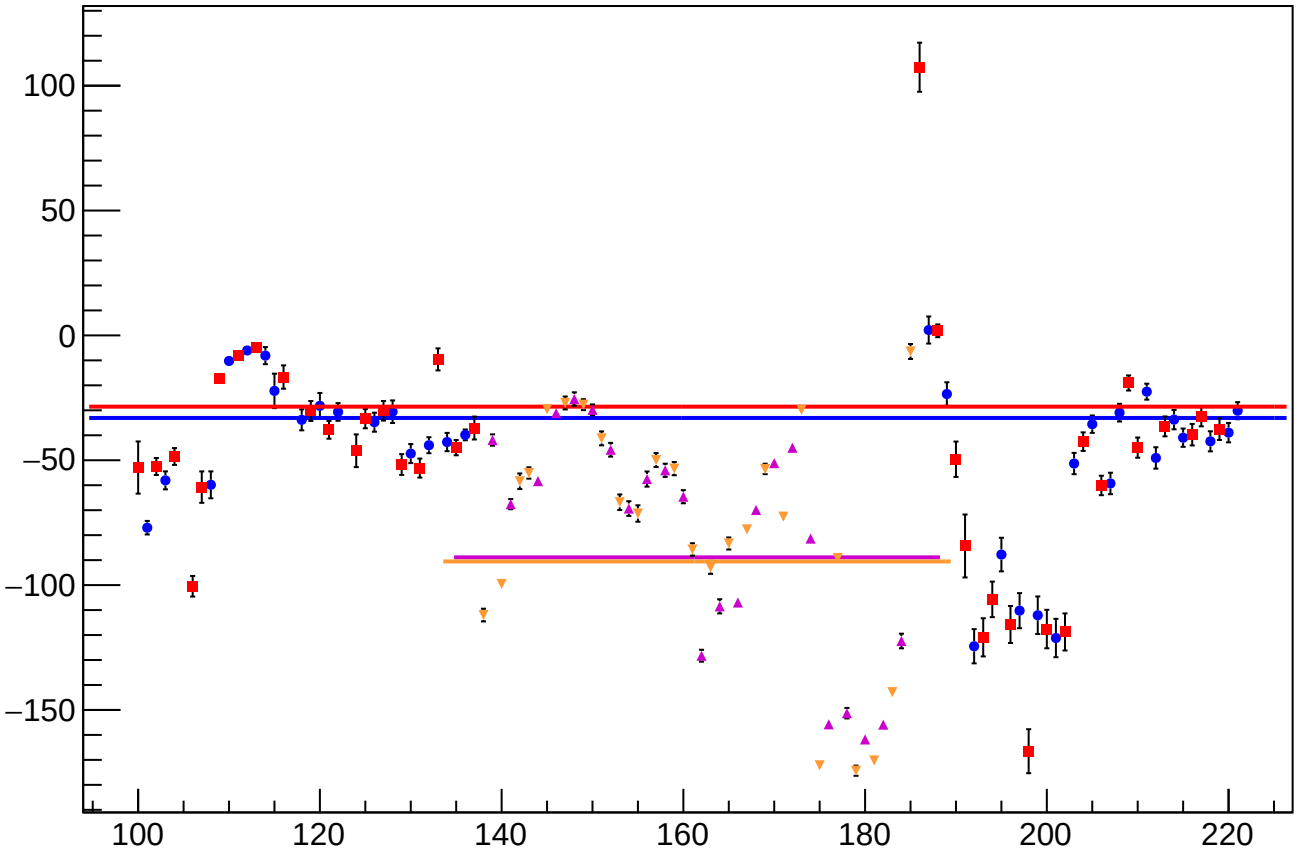
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.324+/-0.019 χ^2/NDF: 3012.9/70

In: 0.166+/-0.006 χ^2/NDF:2468.0/56

Out: 0.153+/-0.006 χ^2/NDF:2833.5/61

All: 0.160+/-0.005 χ^2/NDF: 5303.6/118



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: -28.536+/-0.567 χ^2/NDF: 2439.3/36

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

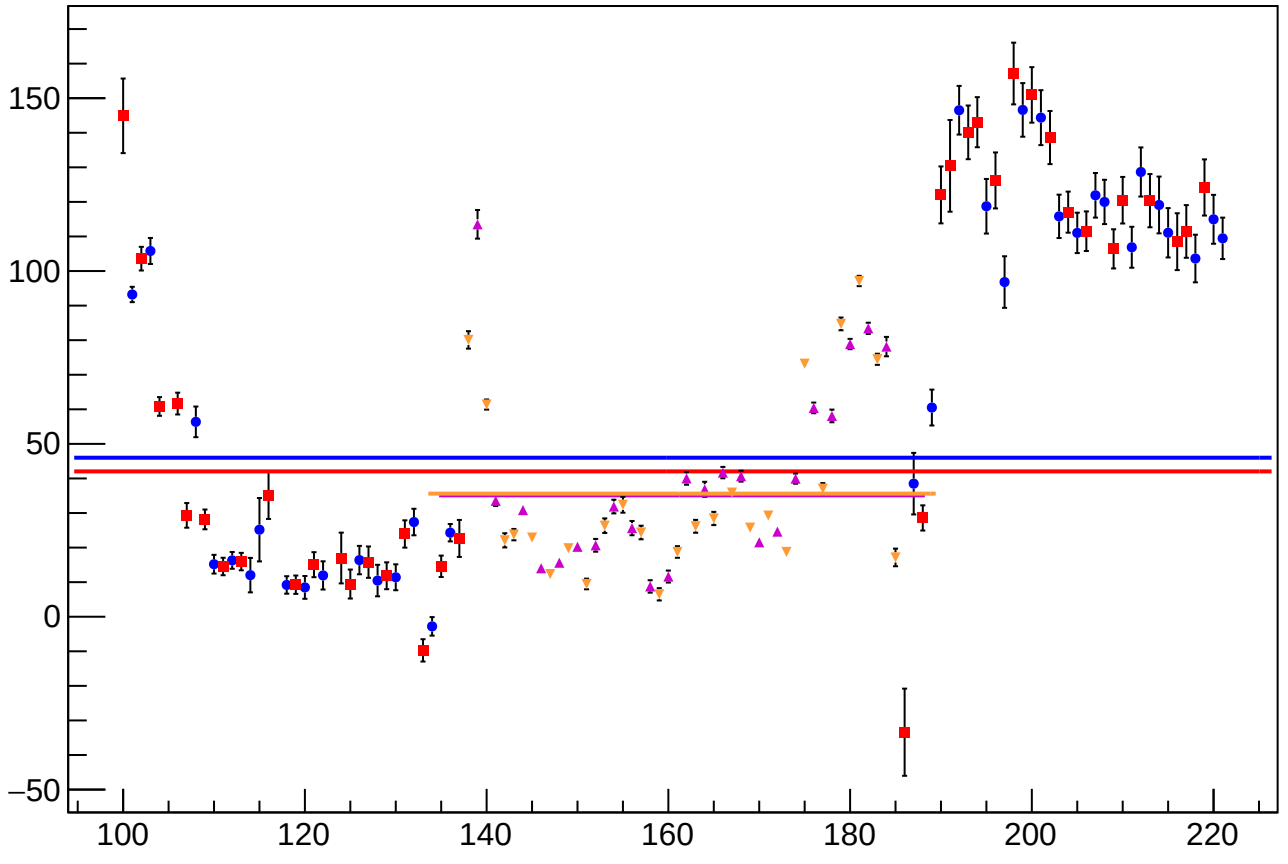
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.698+/-0.410 χ^2/NDF: 4160.9/70

In: -69.381+/-0.350 χ^2/NDF:19274.7/56

Out: -68.457+/-0.338 χ^2/NDF:25509.8/61

All: -68.902+/-0.243 χ^2/NDF: 44788.1/118



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: 42.042+/-0.716 χ^2/NDF: 3591.1/36

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

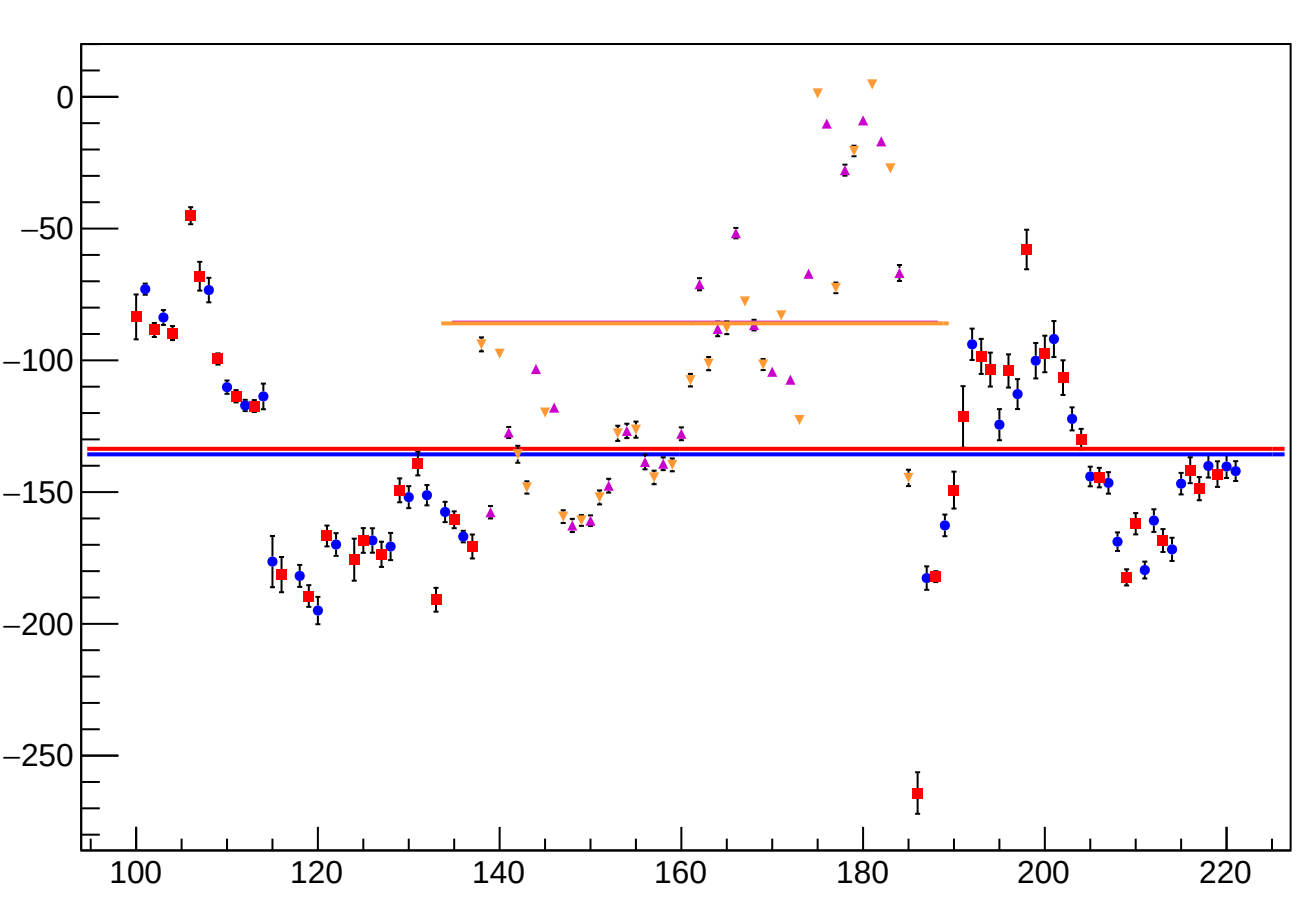
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 44.010+/-0.508 χ^2/NDF: 7550.4/70

In: 37.060+/-0.305 χ^2/NDF:8276.1/56

Out: 36.713+/-0.297 χ^2/NDF:9630.8/61

All: 36.882+/-0.213 χ^2/NDF: 17907.6/118



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: -133.569+/-0.635 χ^2/NDF: 4088.1/36

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

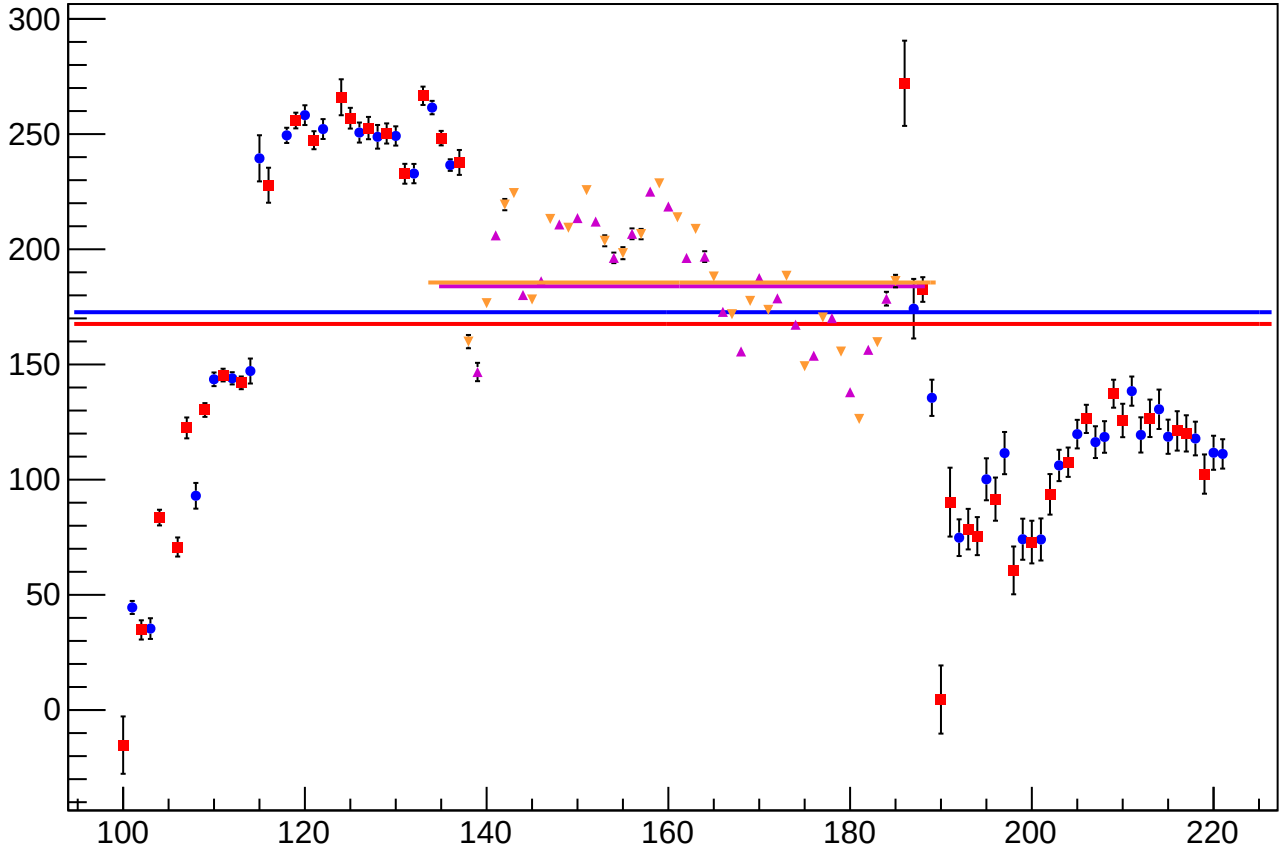
Right: -134.608+/-0.453 χ^2/NDF: 7080.5/70

In: -101.183+/-0.359 χ^2/NDF:20881.4/56

Out: -100.490+/-0.351 χ^2/NDF:24223.9/61

All: -100.828+/-0.251 χ^2/NDF: 45107.2/118

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 167.590+/-0.820 χ^2/NDF: 7930.1/36

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

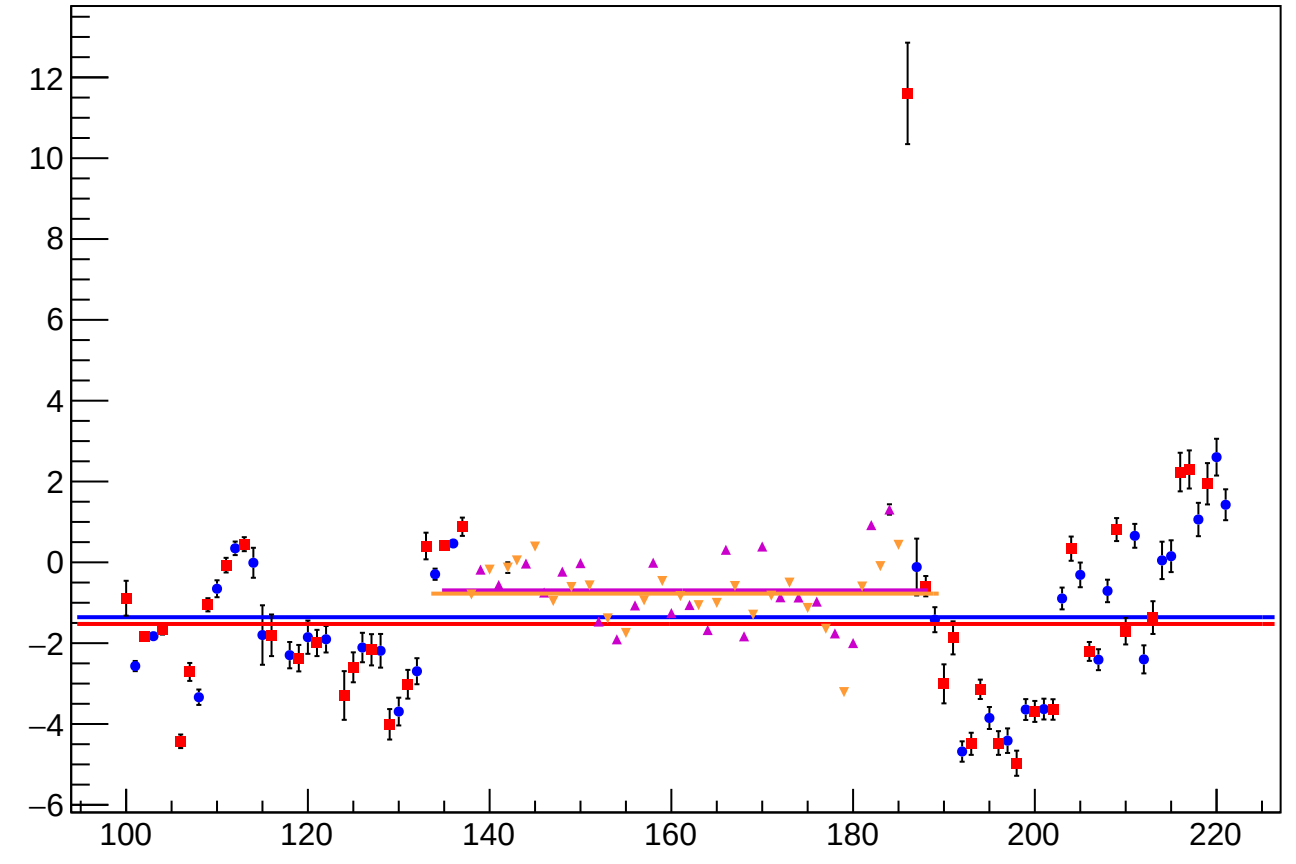
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 170.148+/-0.579 χ^2/NDF: 16540.7/70

In: 181.959+/-0.343 χ^2/NDF:12620.9/56

Out: 182.582+/-0.335 χ^2/NDF:13686.4/61

All: 182.278+/-0.240 χ^2/NDF: 26308.9/118



Right In: -1.357+/-0.040 χ^2/NDF: 1604.9/33

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.525+/-0.040 χ^2/NDF: 1970.5/36

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

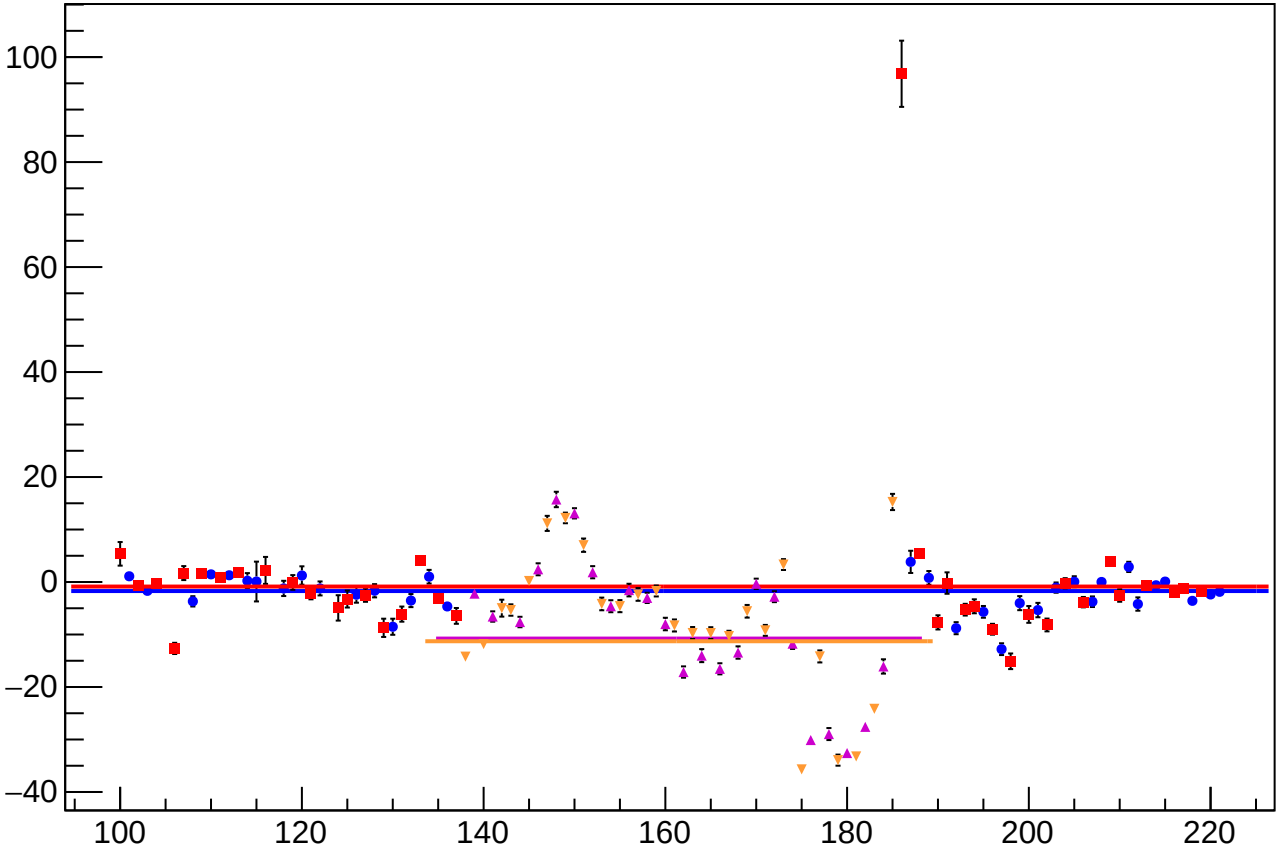
Right: -1.442+/-0.028 χ^2/NDF: 3584.2/70

In: -0.792+/-0.015 χ^2/NDF:4401.8/56

Out: -0.882+/-0.015 χ^2/NDF:4094.5/61

All: -0.838+/-0.011 χ^2/NDF: 8513.7/118

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.865+/-0.165 χ^2/NDF: 932.3/36

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

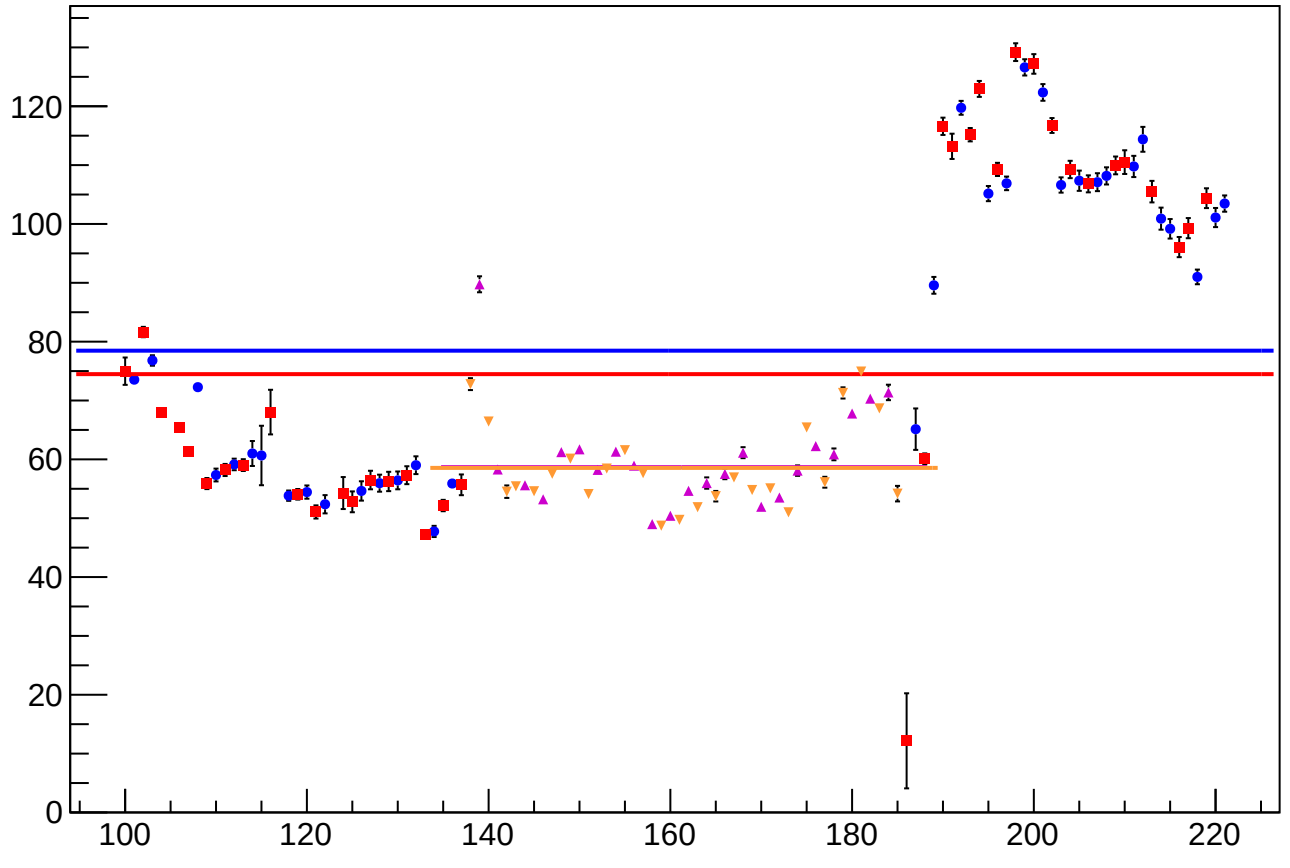
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.271+/-0.120 χ^2/NDF: 1275.3/70

In: -5.342+/-0.135 χ^2/NDF:5110.1/56

Out: -4.899+/-0.129 χ^2/NDF:6970.4/61

All: -5.111+/-0.093 χ^2/NDF: 12086.1/118



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: 74.481+/-0.199 χ^2/NDF: 16649.8/36

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

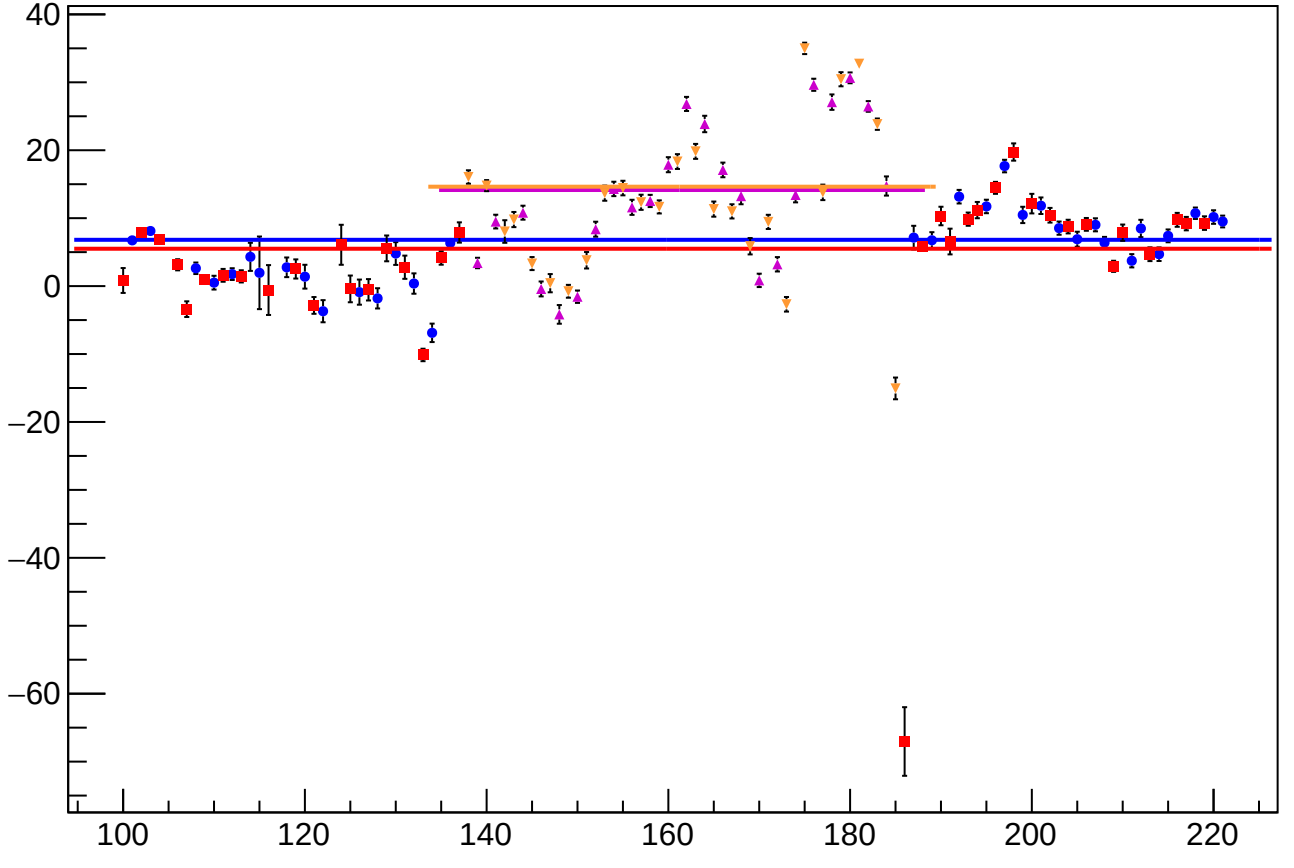
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 76.359+/-0.145 χ^2/NDF: 29483.3/70

In: 66.368+/-0.132 χ^2/NDF:19626.3/56

Out: 64.848+/-0.125 χ^2/NDF:22415.0/61

All: 65.571+/-0.091 χ^2/NDF: 42111.2/118



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: 5.500+/-0.170 χ^2/NDF: 1162.8/36

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

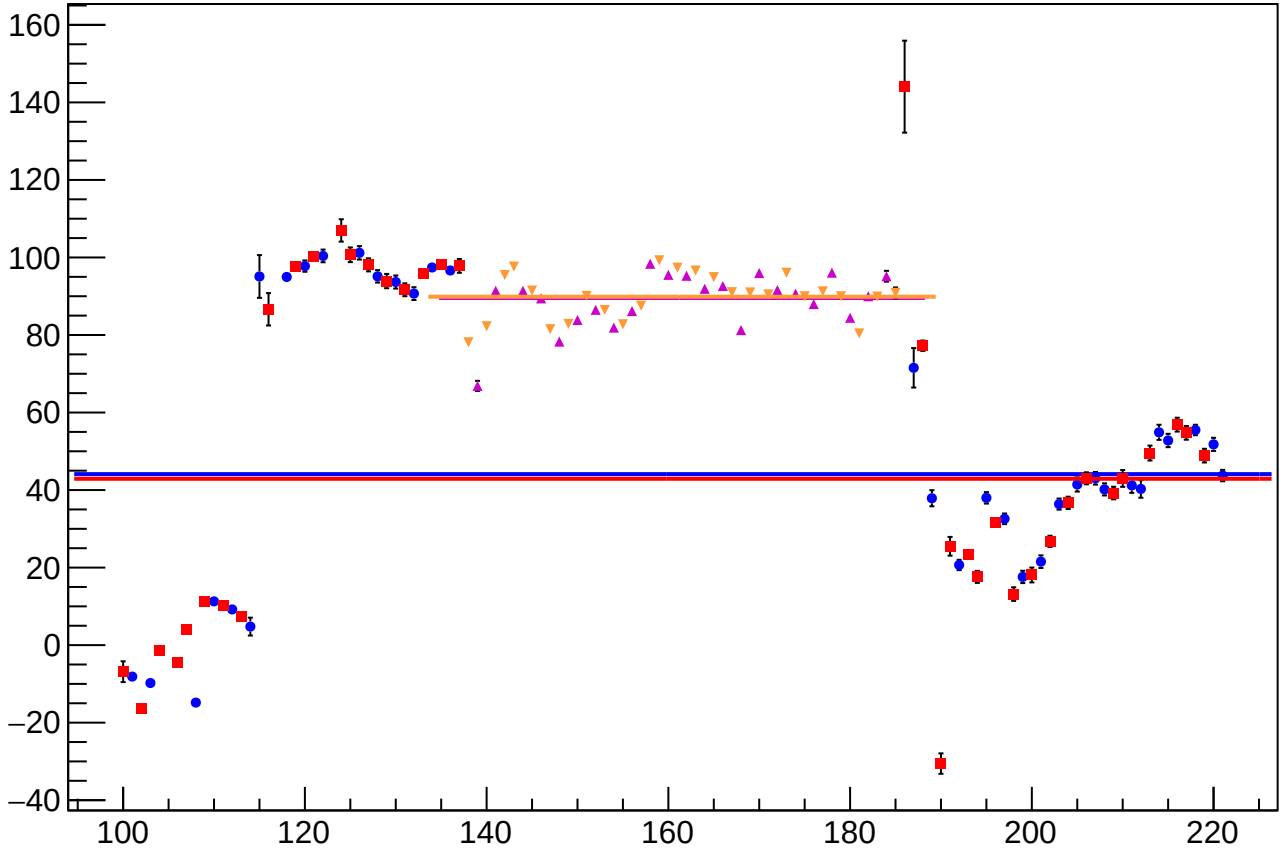
Right: 6.129+/-0.123 χ^2/NDF: 1823.2/70

In: 9.851+/-0.136 χ^2/NDF:3878.2/56

Out: 9.189+/-0.131 χ^2/NDF:5289.2/61

All: 9.509+/-0.094 χ^2/NDF: 9179.7/118

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: 42.911+/-0.232 χ^2/NDF: 31878.4/36

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

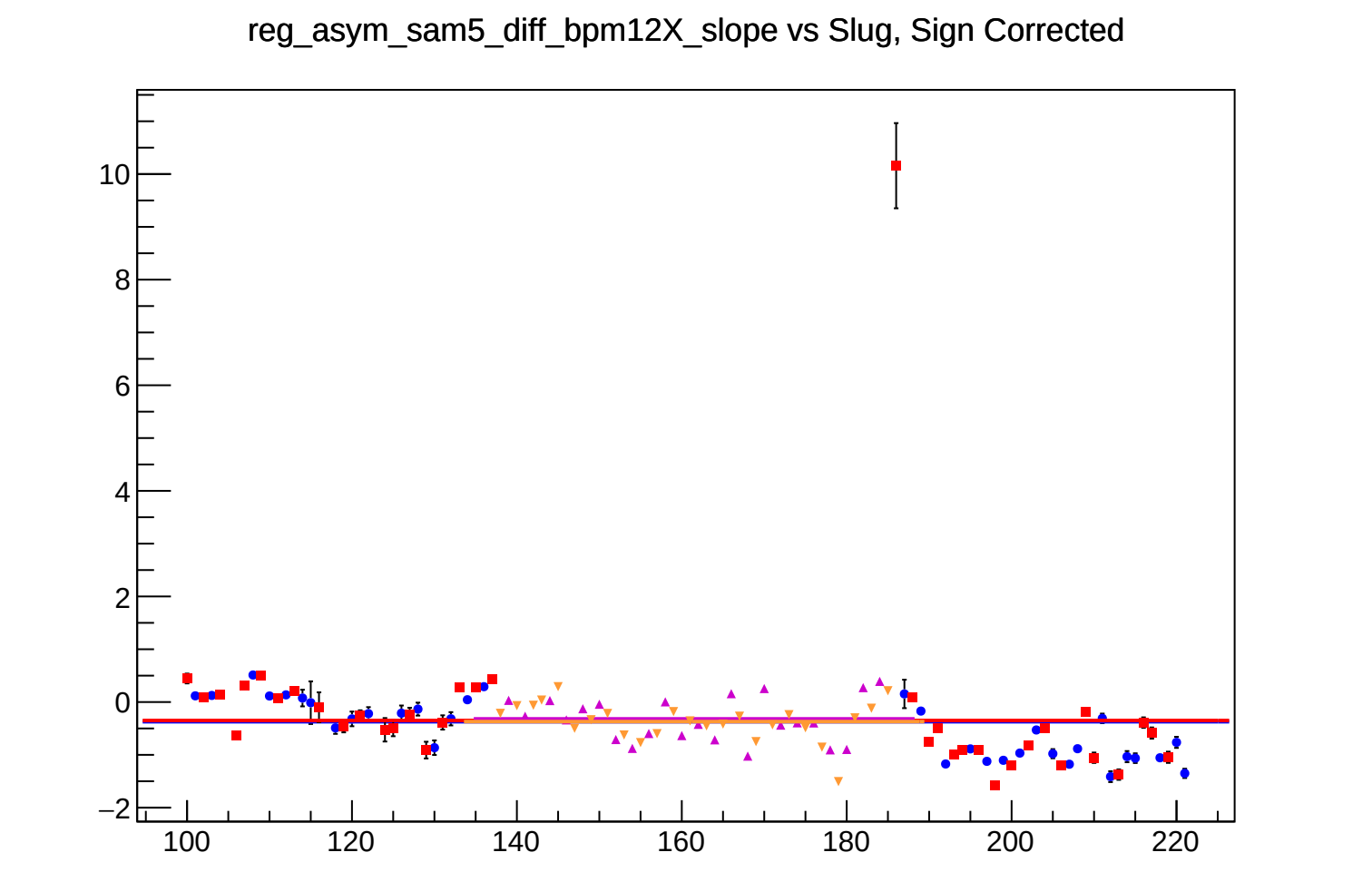
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 43.486+/-0.167 χ^2/NDF: 59991.3/70

In: 72.461+/-0.148 χ^2/NDF:51260.8/56

Out: 72.109+/-0.143 χ^2/NDF:58404.5/61

All: 72.278+/-0.103 χ^2/NDF: 109668.2/118



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: -0.350+/-0.010 χ^2/NDF: 3901.2/36

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

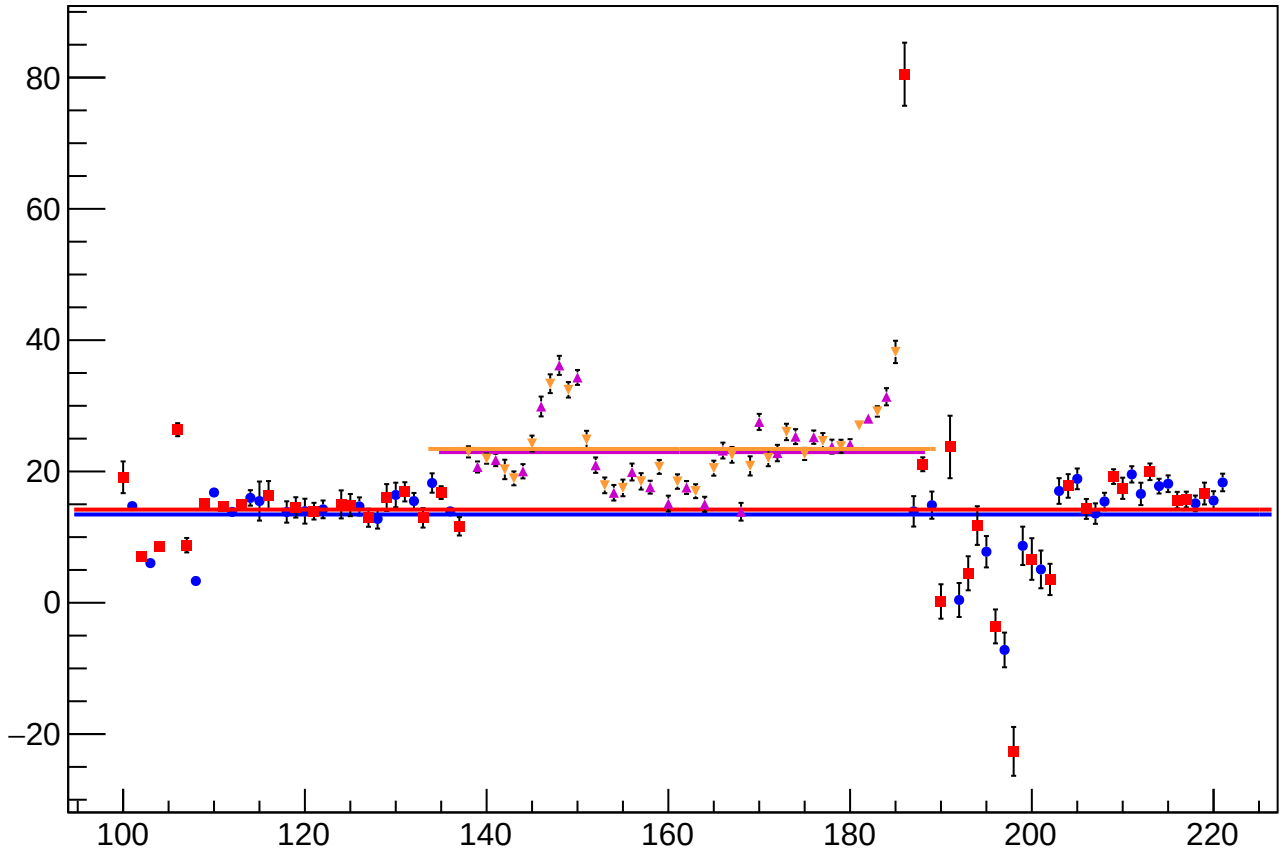
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.360+/-0.007 χ^2/NDF: 7607.8/70

In: -0.340+/-0.006 χ^2/NDF:6161.7/56

Out: -0.362+/-0.006 χ^2/NDF:5673.5/61

All: -0.351+/-0.004 χ^2/NDF: 11841.5/118



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: 14.193+/-0.182 χ^2/NDF: 913.8/36

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

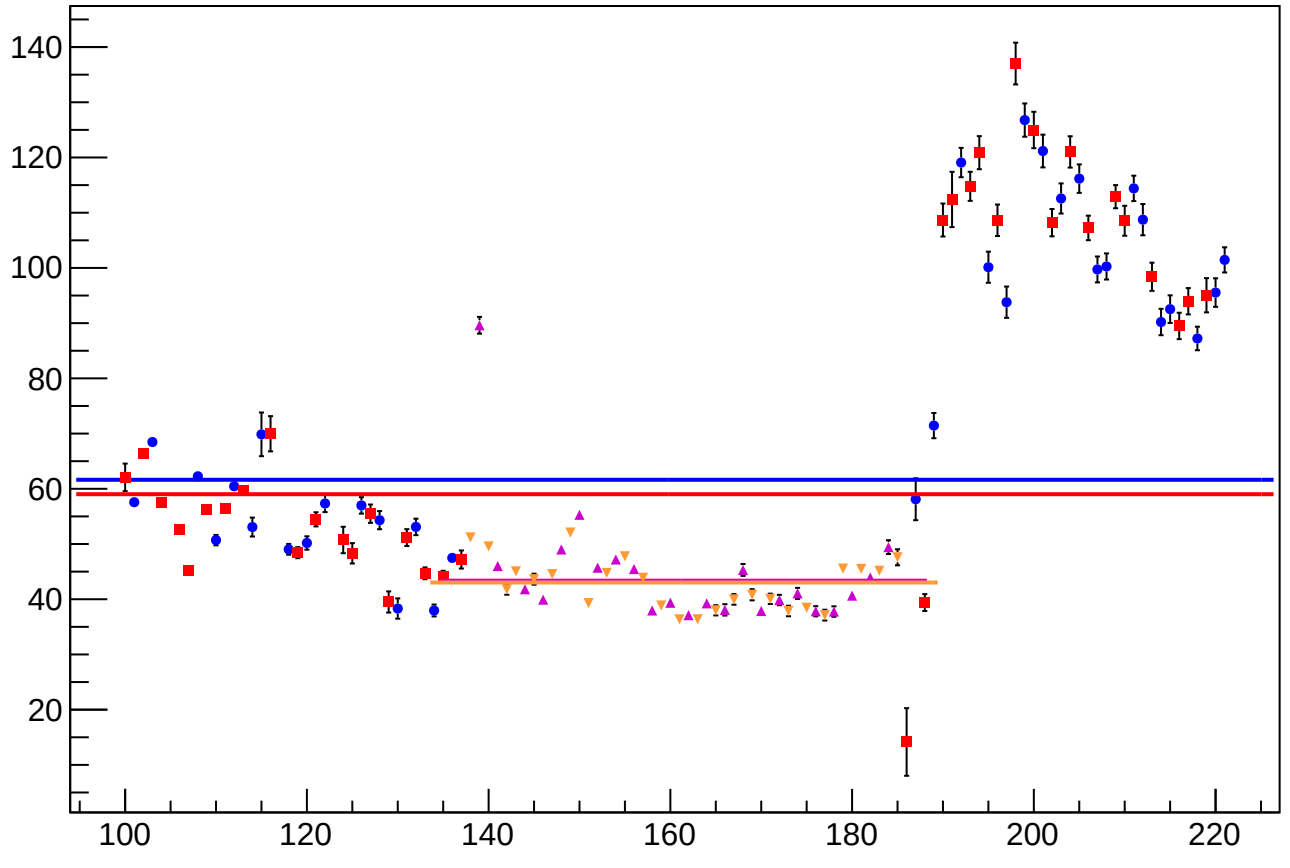
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.829+/-0.130 χ^2/NDF: 1512.8/70

In: 17.310+/-0.144 χ^2/NDF:2210.9/56

Out: 18.036+/-0.139 χ^2/NDF:2411.5/61

All: 17.684+/-0.100 χ^2/NDF: 4635.6/118



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: 59.021+/-0.211 χ^2/NDF: 7176.1/36

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

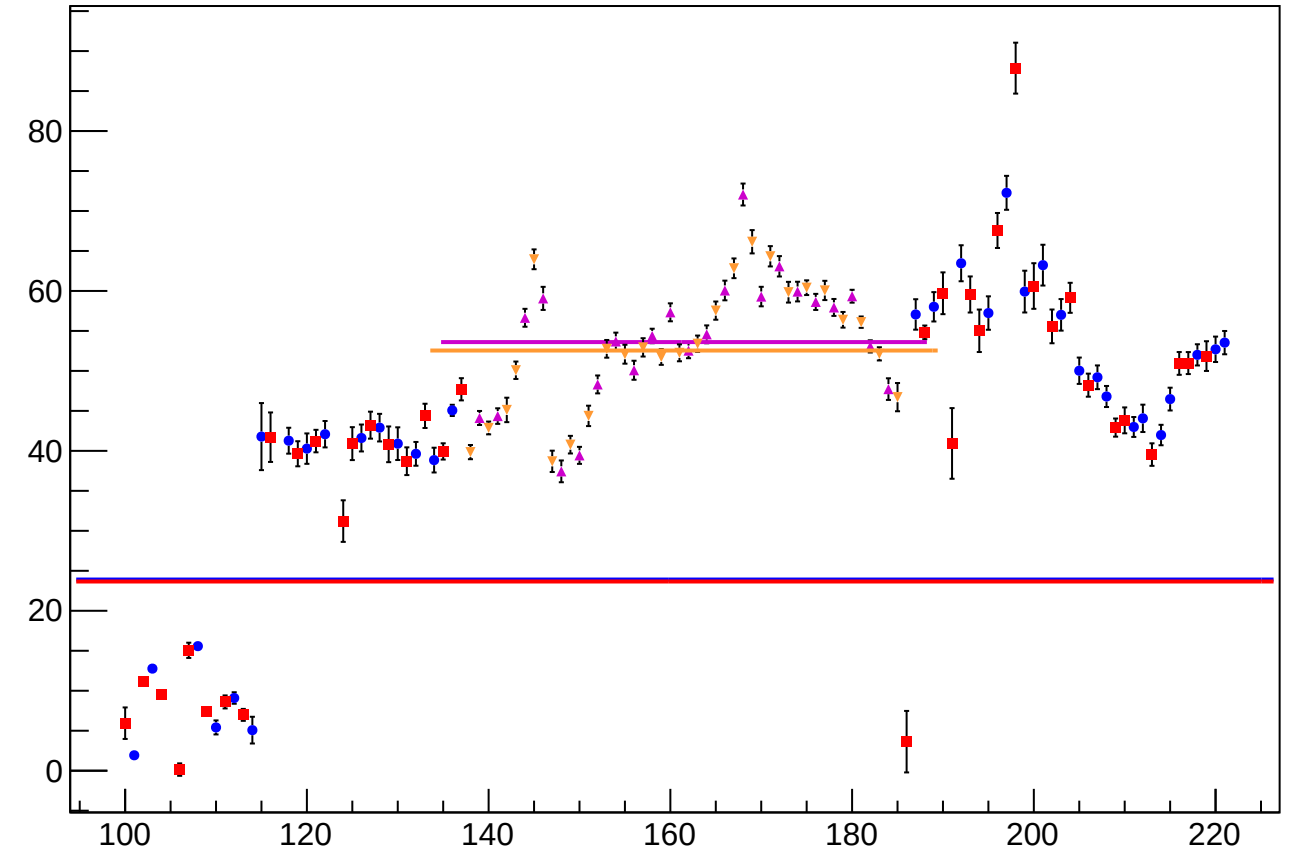
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 60.346+/-0.148 χ^2/NDF: 13609.7/70

In: 51.027+/-0.135 χ^2/NDF:12508.0/56

Out: 49.199+/-0.131 χ^2/NDF:11482.5/61

All: 50.087+/-0.094 χ^2/NDF: 24085.0/118



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: 23.663+/-0.192 χ^2/NDF: 10707.0/36

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

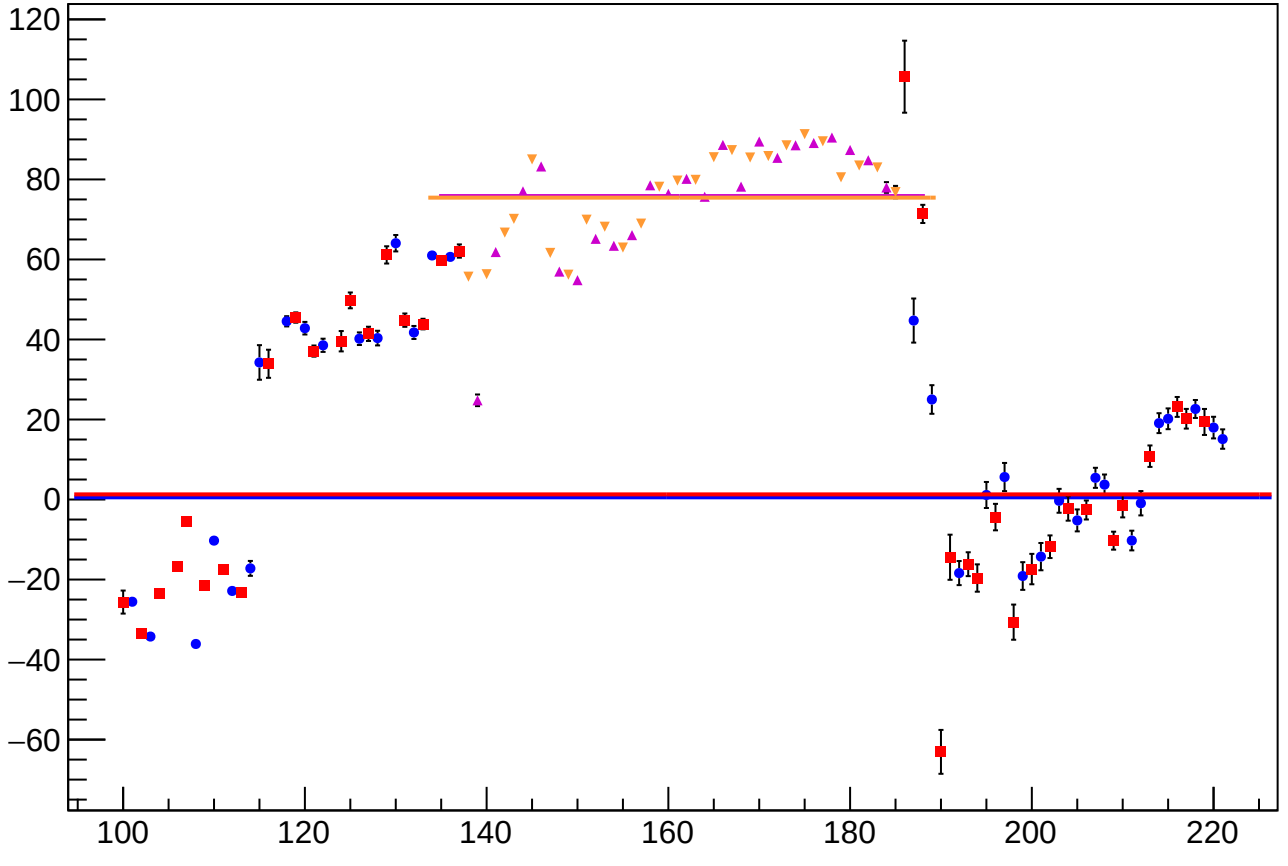
Right: 23.789+/-0.134 χ^2/NDF: 22704.4/70

In: 36.189+/-0.143 χ^2/NDF:23422.0/56

Out: 36.490+/-0.143 χ^2/NDF:21968.6/61

All: 36.340+/-0.101 χ^2/NDF: 45392.8/118

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: 1.286+/-0.247 χ^2/NDF: 17651.3/36

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

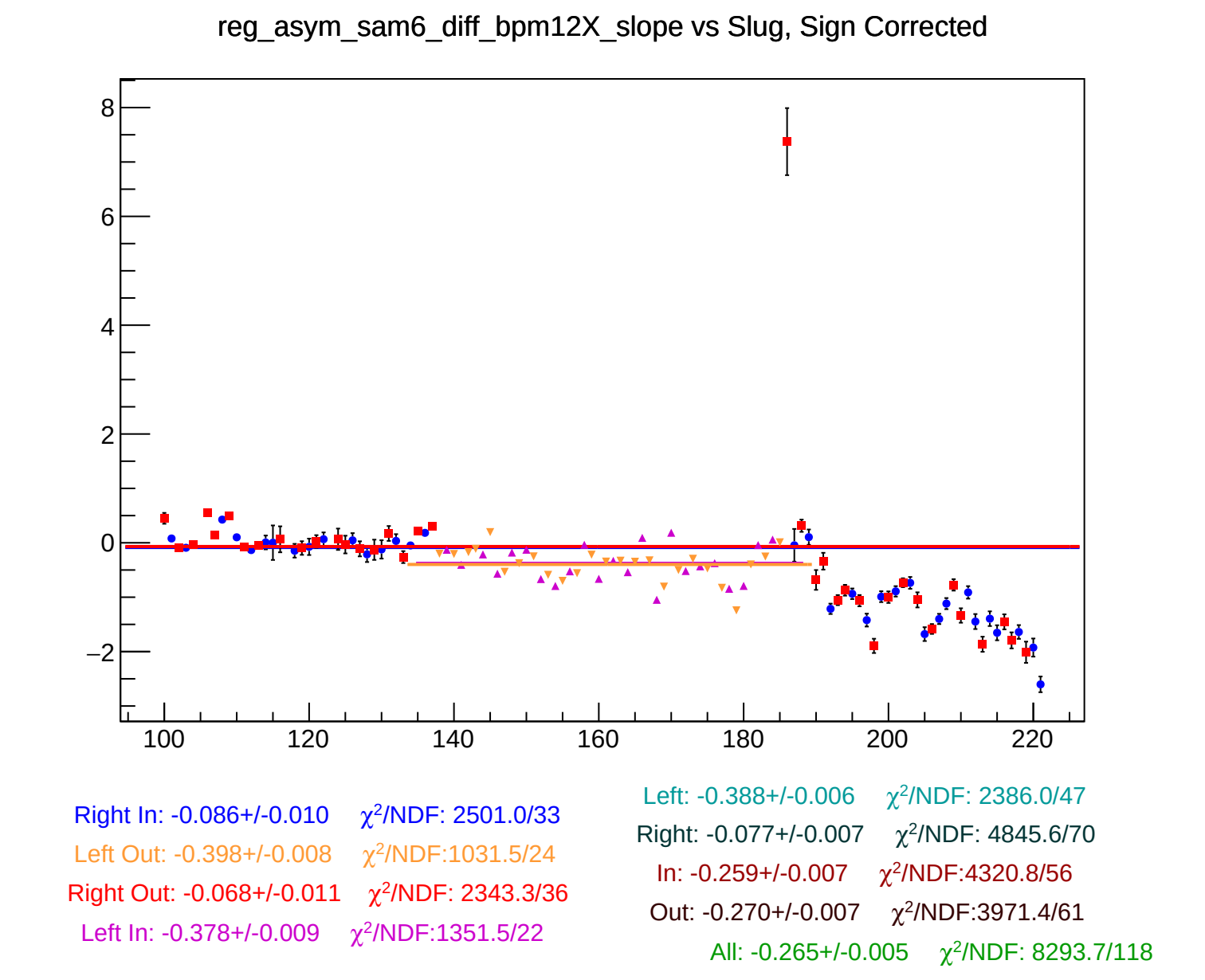
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.914+/-0.174 χ^2/NDF: 39217.0/70

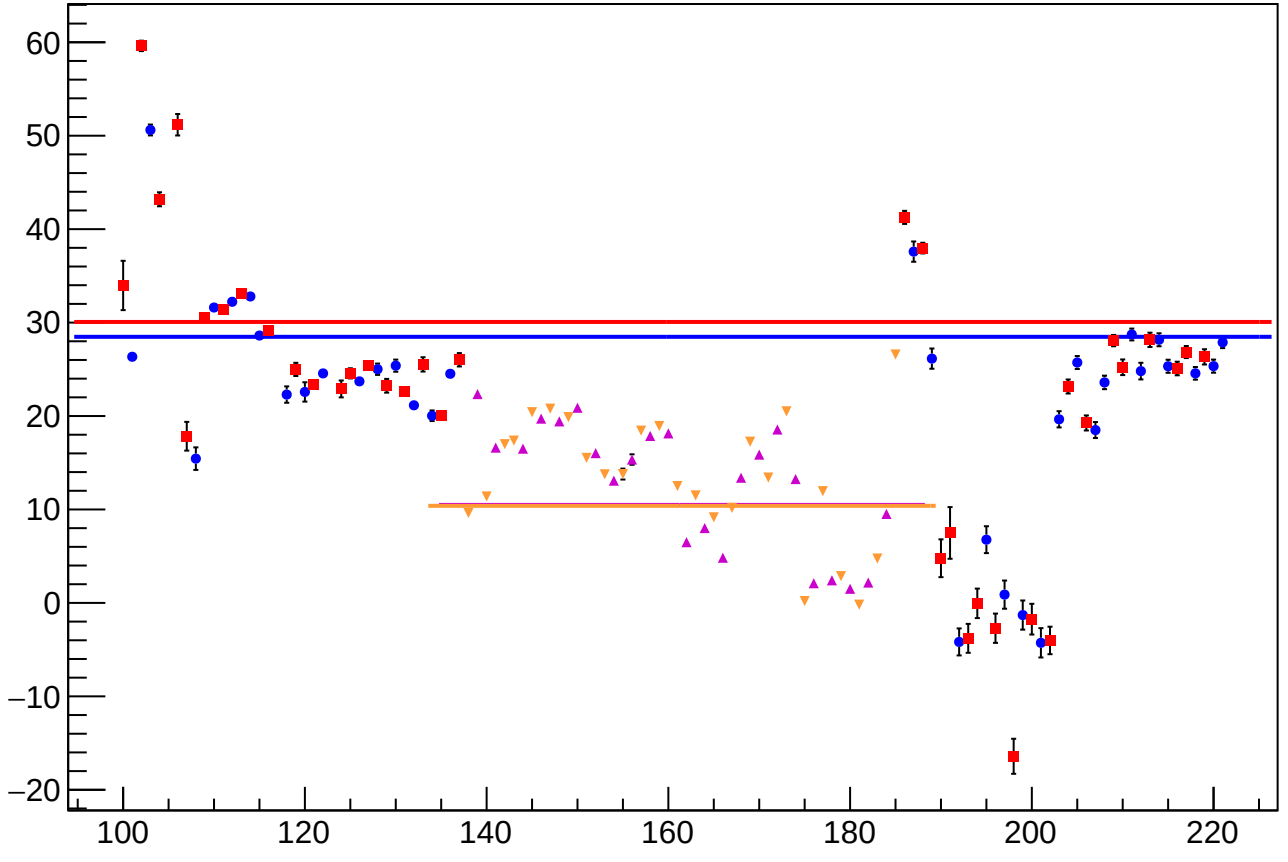
In: 46.029+/-0.153 χ^2/NDF:83517.9/56

Out: 48.216+/-0.150 χ^2/NDF:78054.0/61

All: 47.148+/-0.107 χ^2/NDF: 161676.0/118


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.086+/-0.010 χ²/NDF: 2501.0/33
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: -0.068+/-0.011 χ²/NDF: 2343.3/36
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: -0.077+/-0.007 χ²/NDF: 4845.6/70
In: -0.259+/-0.007 χ²/NDF:4320.8/56
Out: -0.270+/-0.007 χ²/NDF:3971.4/61
All: -0.265+/-0.005 χ²/NDF: 8293.7/118

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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: 30.068+/-0.075 χ^2/NDF: 9043.3/36

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

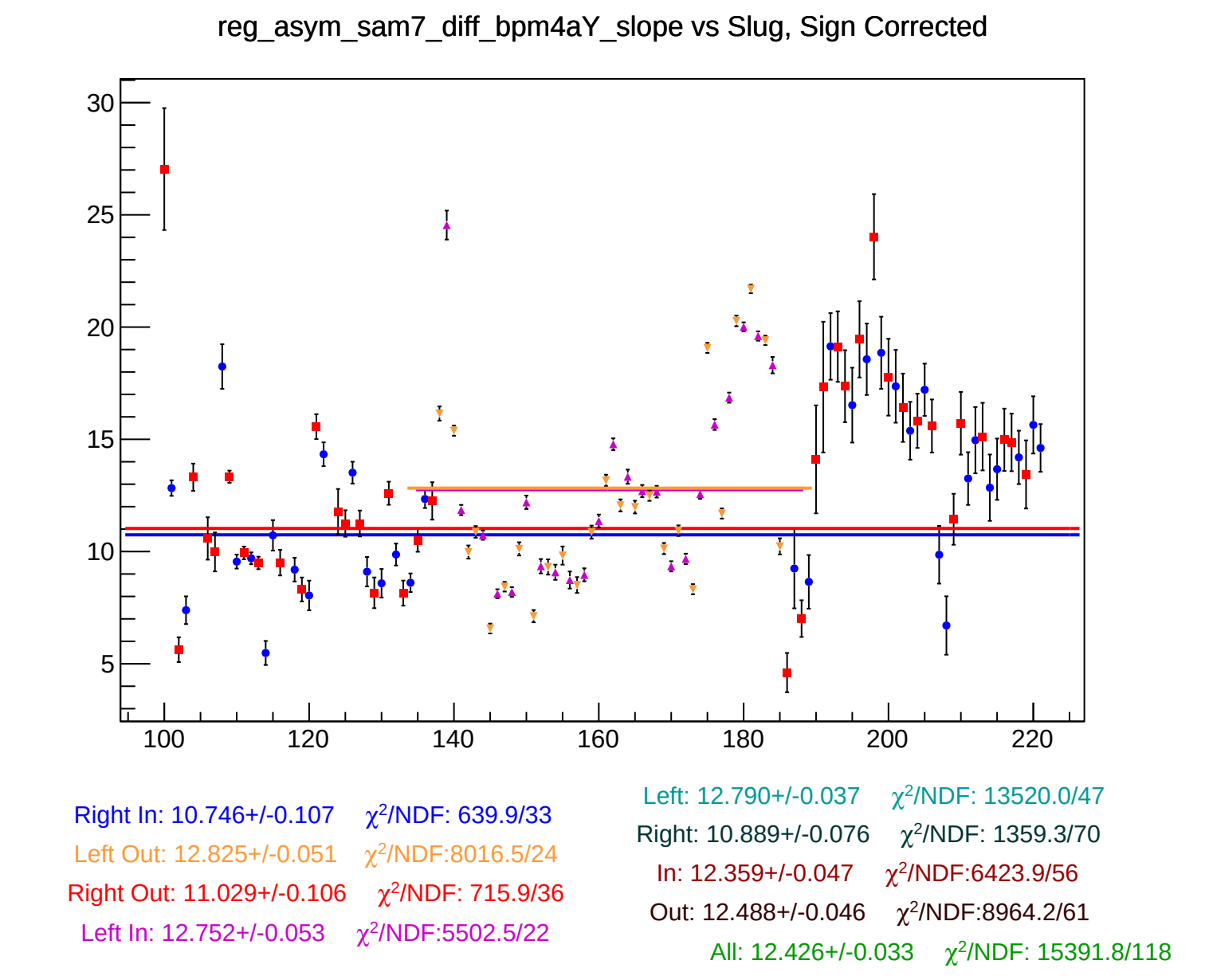
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

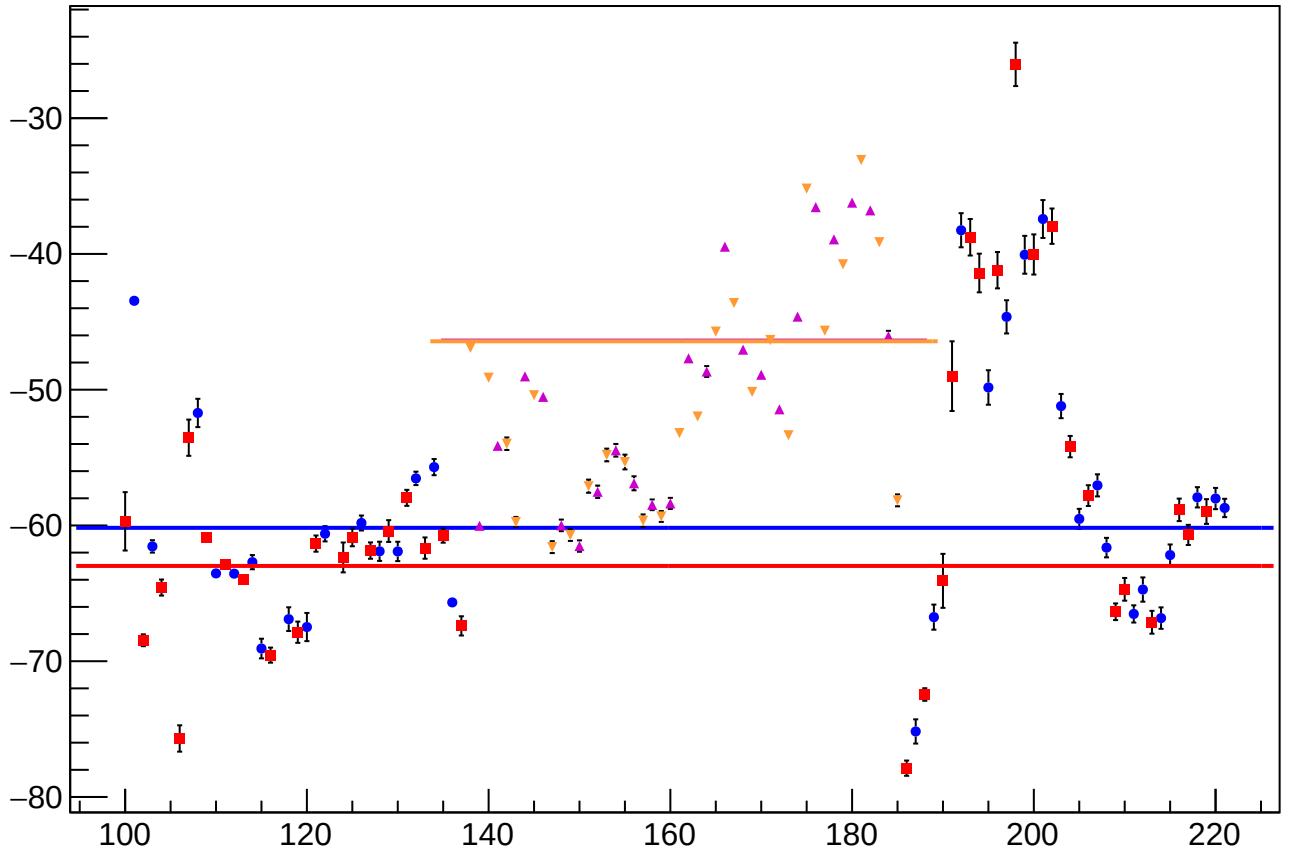
Right: 29.359+/-0.056 χ^2/NDF: 15091.1/70

In: 17.511+/-0.052 χ^2/NDF:45667.9/56

Out: 18.719+/-0.049 χ^2/NDF:62695.2/61

All: 18.156+/-0.036 χ^2/NDF: 108649.9/118


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
120
140
160
180
200
220
Right In: 10.746+/-0.107 χ²/NDF: 639.9/33
Left Out: 12.825+/-0.051 χ²/NDF:8016.5/24
Right Out: 11.029+/-0.106 χ²/NDF: 715.9/36
Left In: 12.752+/-0.053 χ²/NDF:5502.5/22
Left: 12.790+/-0.037 χ²/NDF: 13520.0/47
Right: 10.889+/-0.076 χ²/NDF: 1359.3/70
In: 12.359+/-0.047 χ²/NDF:6423.9/56
Out: 12.488+/-0.046 χ²/NDF:8964.2/61
All: 12.426+/-0.033 χ²/NDF: 15391.8/118



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: -62.982+/-0.095 χ^2/NDF: 4243.5/36

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

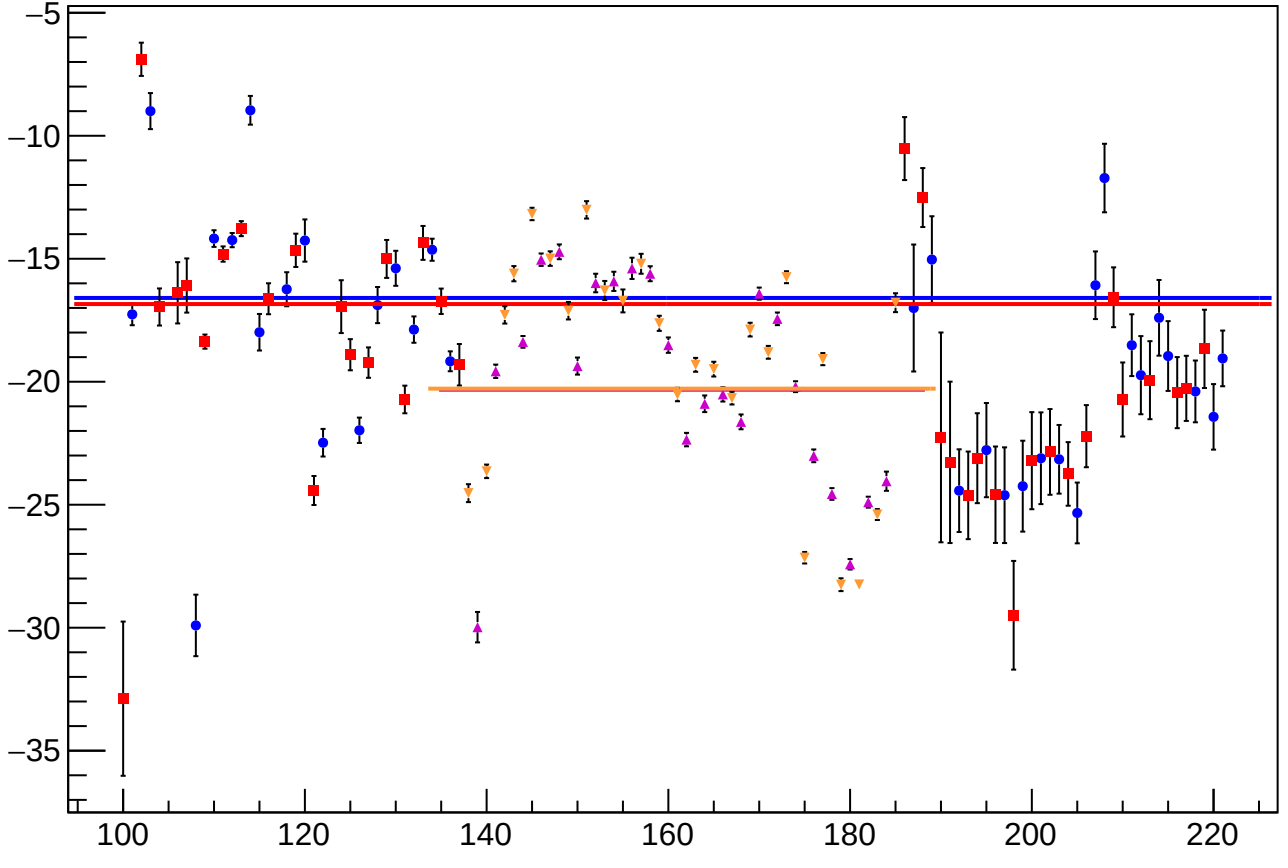
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.635+/-0.068 χ^2/NDF: 9950.5/70

In: -50.720+/-0.055 χ^2/NDF:33771.3/56

Out: -51.671+/-0.053 χ^2/NDF:43286.7/61

All: -51.213+/-0.038 χ^2/NDF: 77211.2/118



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: -16.842+/-0.118 χ^2/NDF: 907.5/36

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

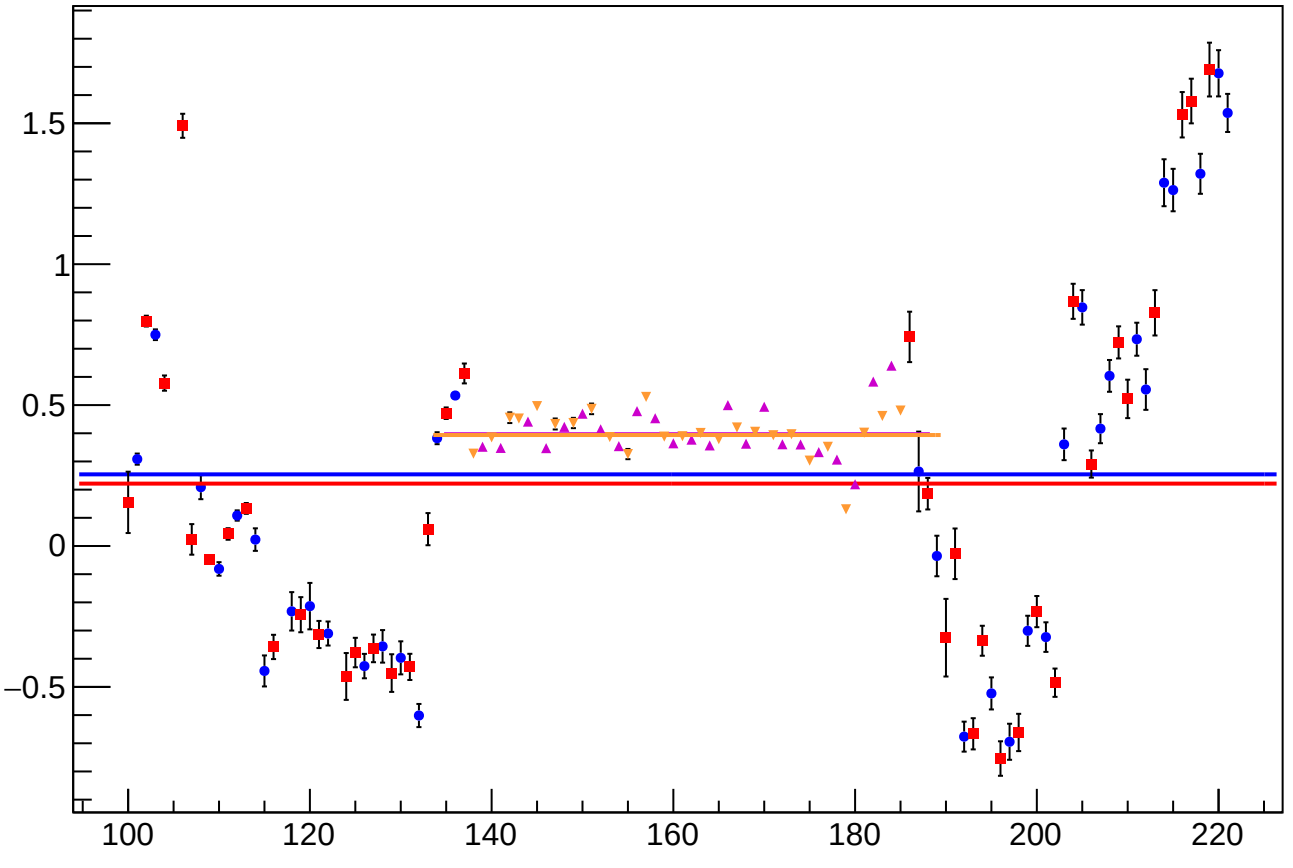
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.719+/-0.084 χ^2/NDF: 1919.3/70

In: -19.592+/-0.053 χ^2/NDF:6064.7/56

Out: -19.630+/-0.051 χ^2/NDF:8614.4/61

All: -19.612+/-0.037 χ^2/NDF: 14679.3/118



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: 0.221+/-0.006 χ^2/NDF: 5779.6/36

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

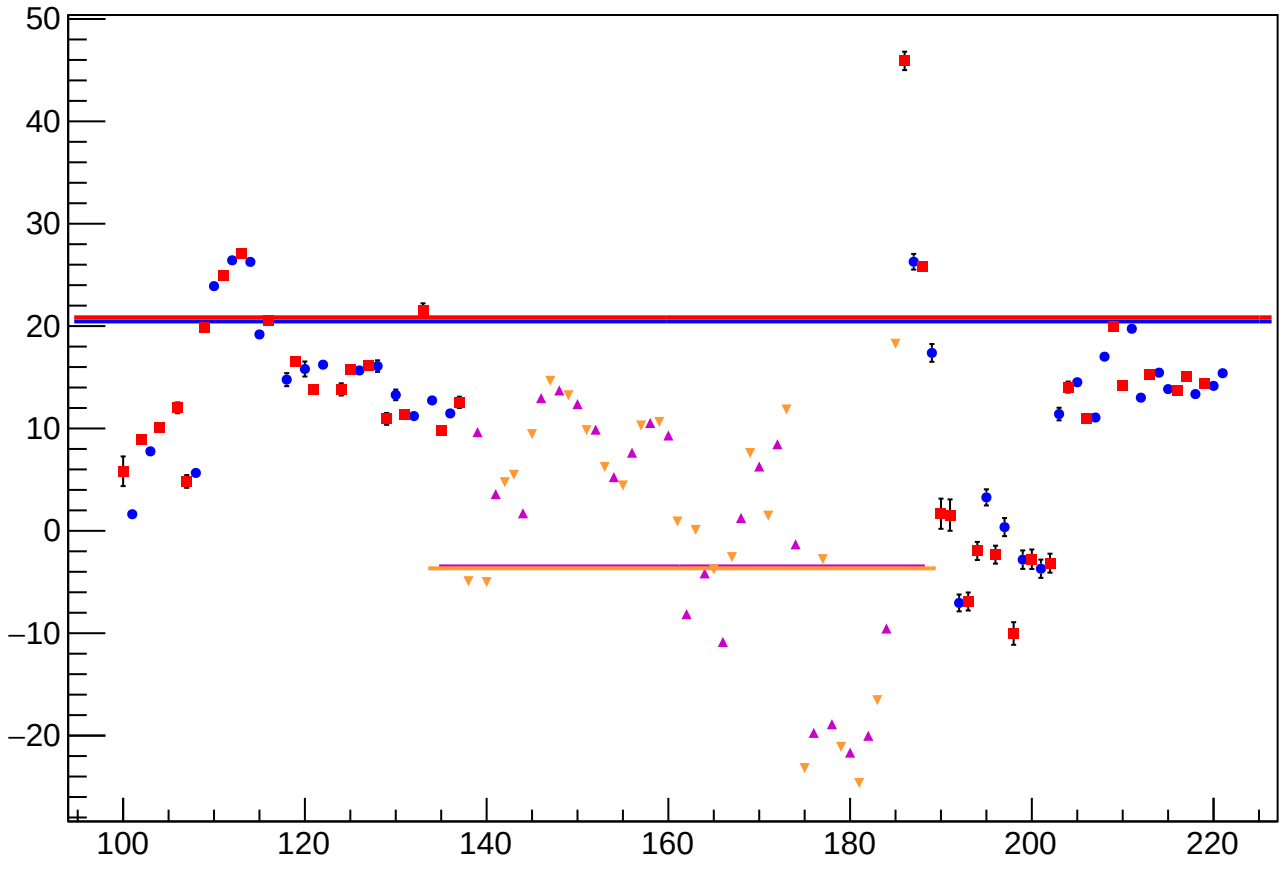
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.238+/-0.005 χ^2/NDF: 10839.2/70

In: 0.376+/-0.002 χ^2/NDF:6768.0/56

Out: 0.370+/-0.002 χ^2/NDF:7347.1/61

All: 0.373+/-0.002 χ^2/NDF: 14118.0/118



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: 20.860+/-0.043 χ^2/NDF: 19131.7/36

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

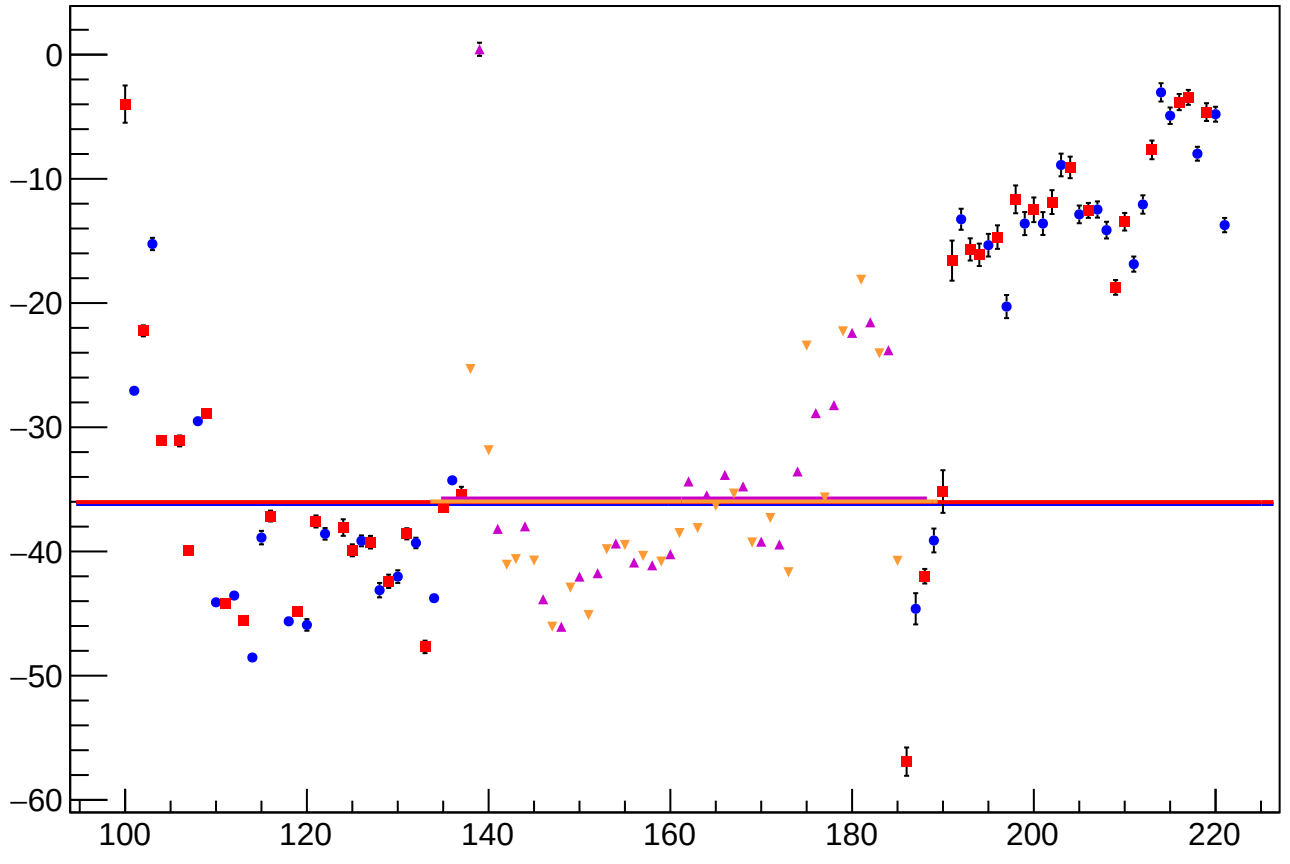
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 20.689+/-0.033 χ^2/NDF: 39109.4/70

In: 10.164+/-0.038 χ^2/NDF:164071.4/56

Out: 11.450+/-0.034 χ^2/NDF:200443.3/61

All: 10.877+/-0.025 χ^2/NDF: 365160.8/118



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: -36.026+/-0.066 χ^2/NDF: 28714.6/36

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

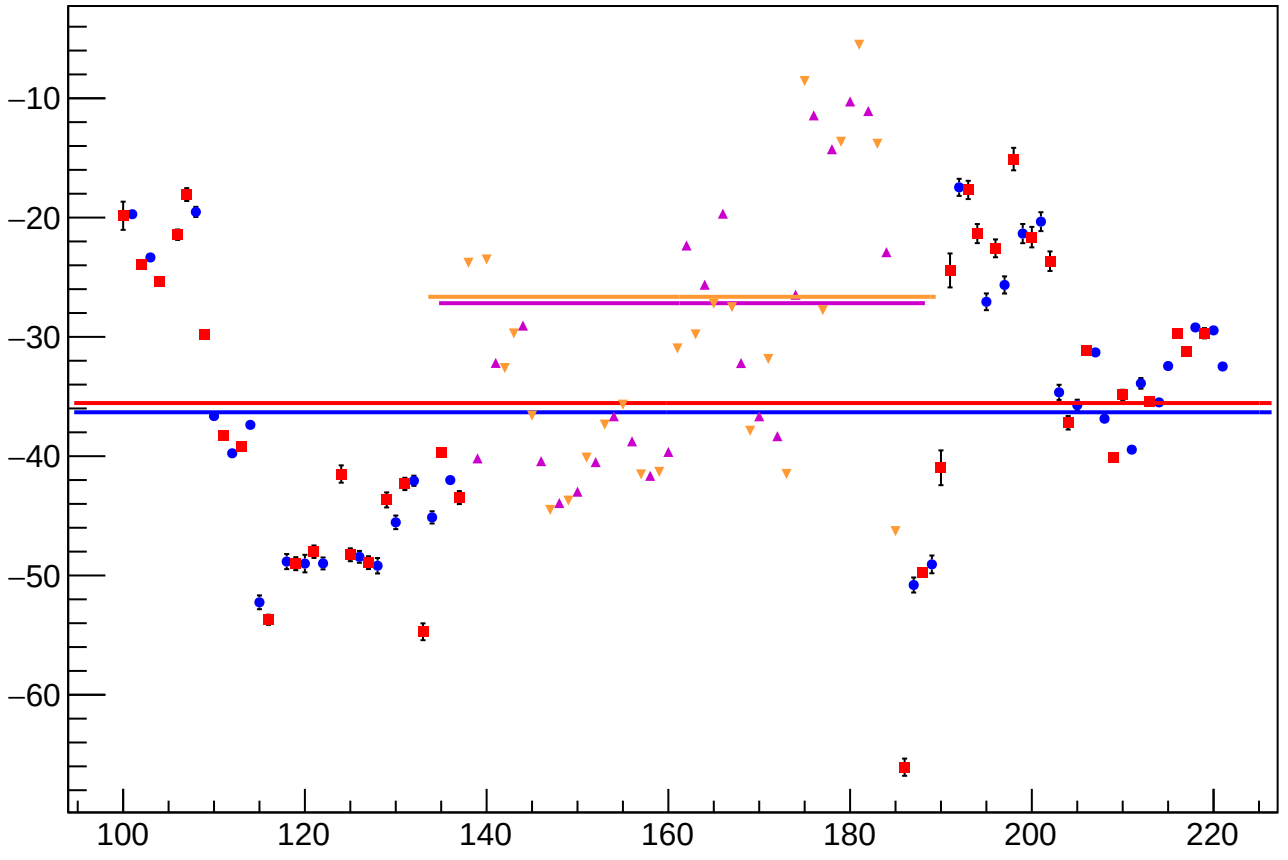
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -36.098+/-0.048 χ^2/NDF: 60227.8/70

In: -35.866+/-0.038 χ^2/NDF:58693.7/56

Out: -35.988+/-0.036 χ^2/NDF:62324.3/61

All: -35.930+/-0.026 χ^2/NDF: 121023.6/118



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: -35.546+/-0.056 χ^2/NDF: 19999.3/36

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

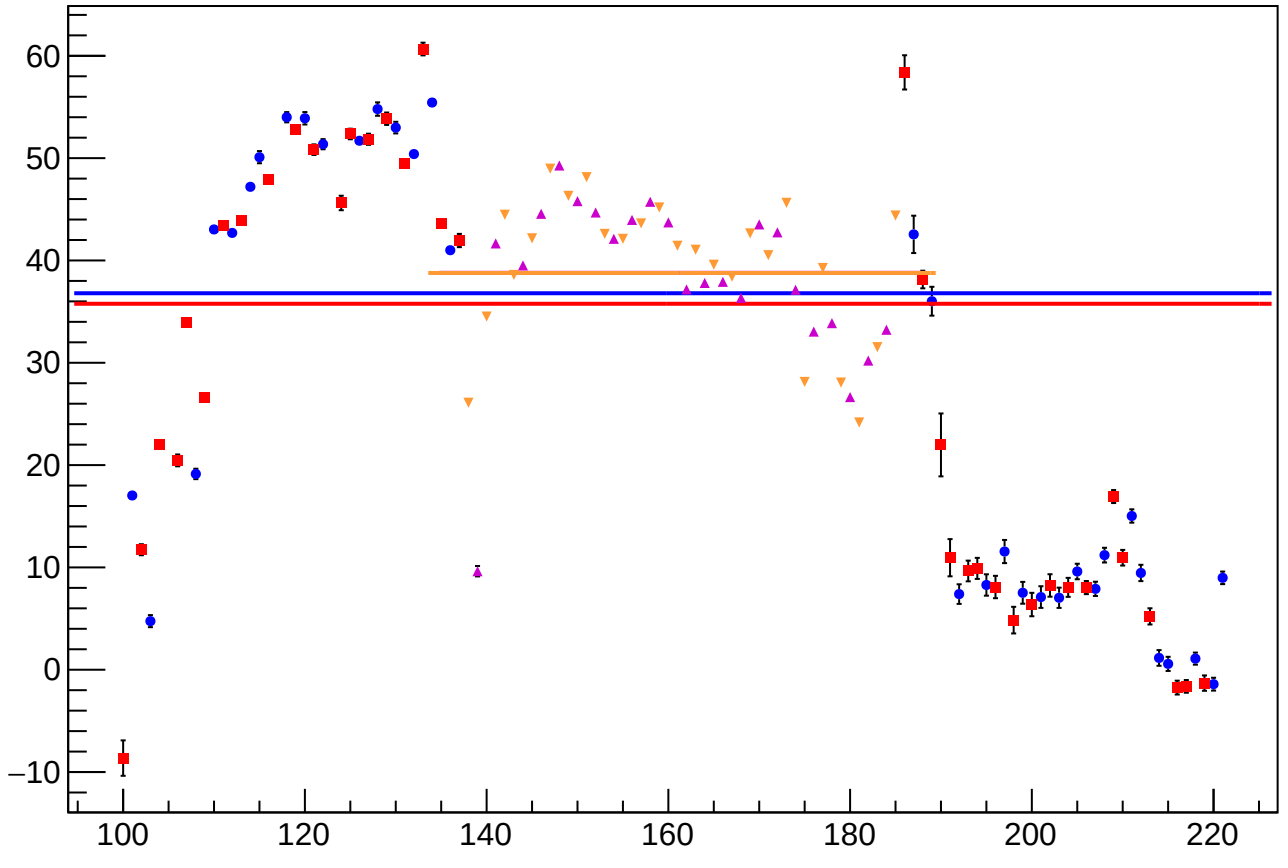
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -35.903+/-0.041 χ^2/NDF: 35195.5/70

In: -31.451+/-0.042 χ^2/NDF:68036.8/56

Out: -30.942+/-0.039 χ^2/NDF:82915.5/61

All: -31.181+/-0.029 χ^2/NDF: 151031.1/118



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: 35.767+/-0.073 χ^2/NDF: 39803.4/36

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

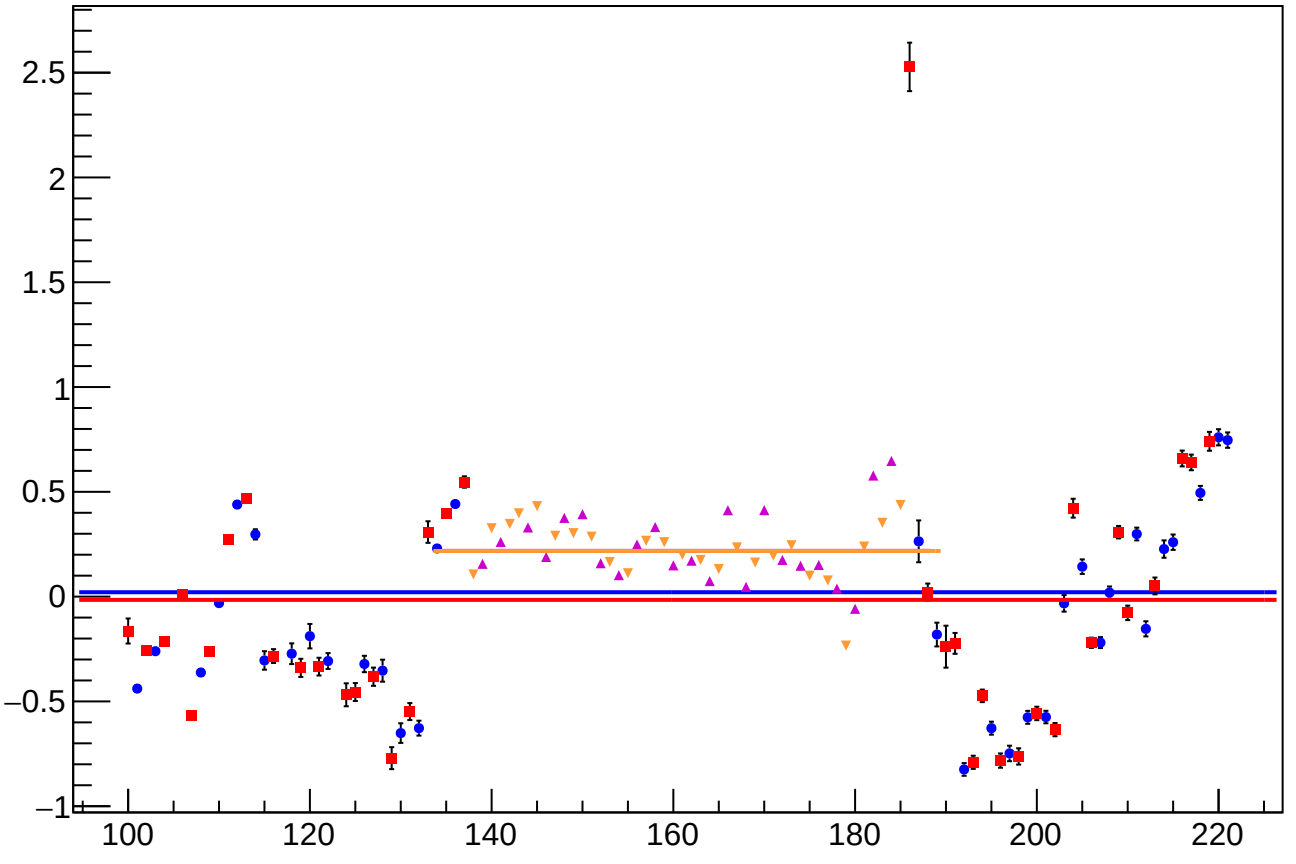
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 36.252+/-0.053 χ^2/NDF: 85012.9/70

In: 38.203+/-0.042 χ^2/NDF:61823.1/56

Out: 37.880+/-0.040 χ^2/NDF:62060.8/61

All: 38.033+/-0.029 χ^2/NDF: 123914.9/118



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: -0.015+/-0.004 χ^2/NDF: 10569.5/36

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

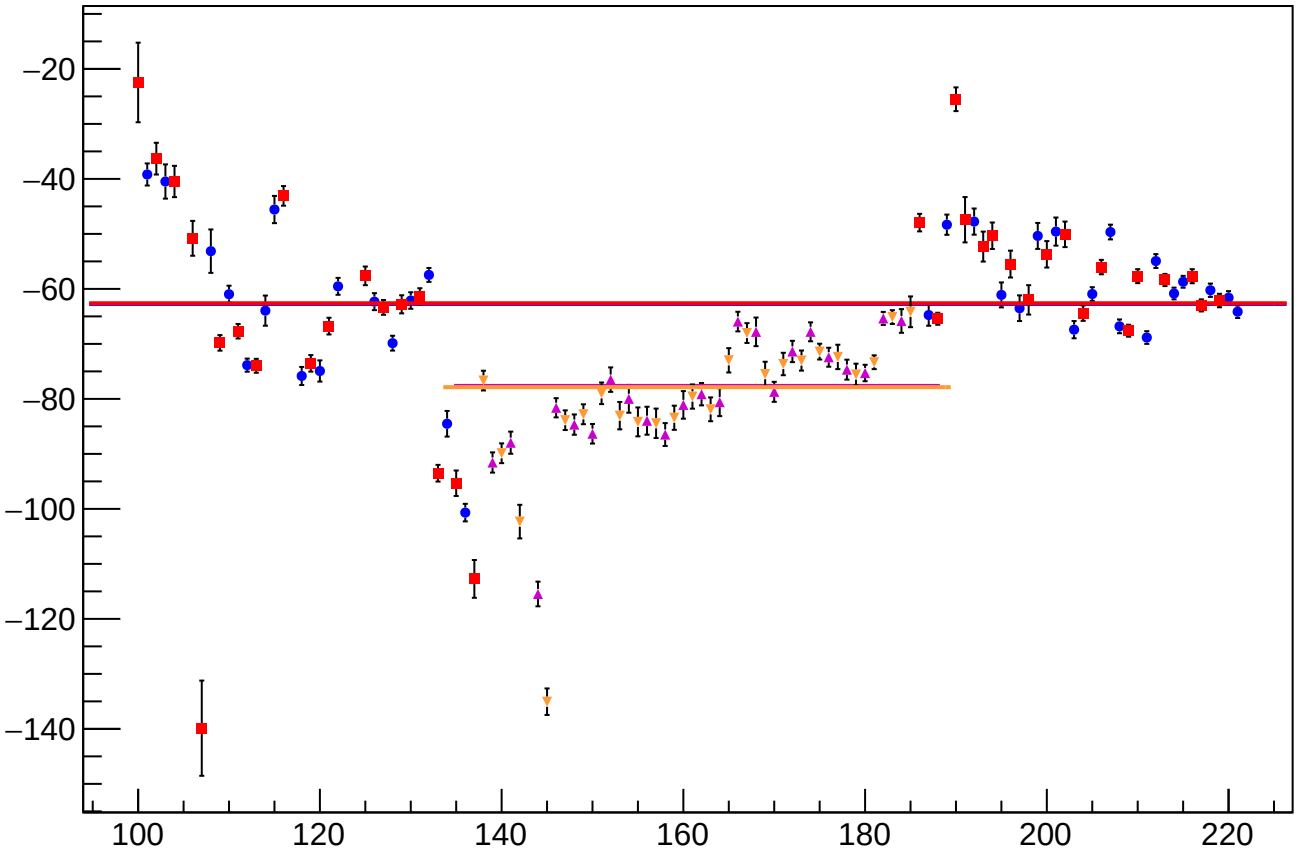
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.002+/-0.003 χ^2/NDF: 19856.6/70

In: 0.174+/-0.002 χ^2/NDF:16303.8/56

Out: 0.164+/-0.002 χ^2/NDF:17381.4/61

All: 0.169+/-0.001 χ^2/NDF: 33700.2/118



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: -62.619+/-0.271 χ^2/NDF: 1990.6/35

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

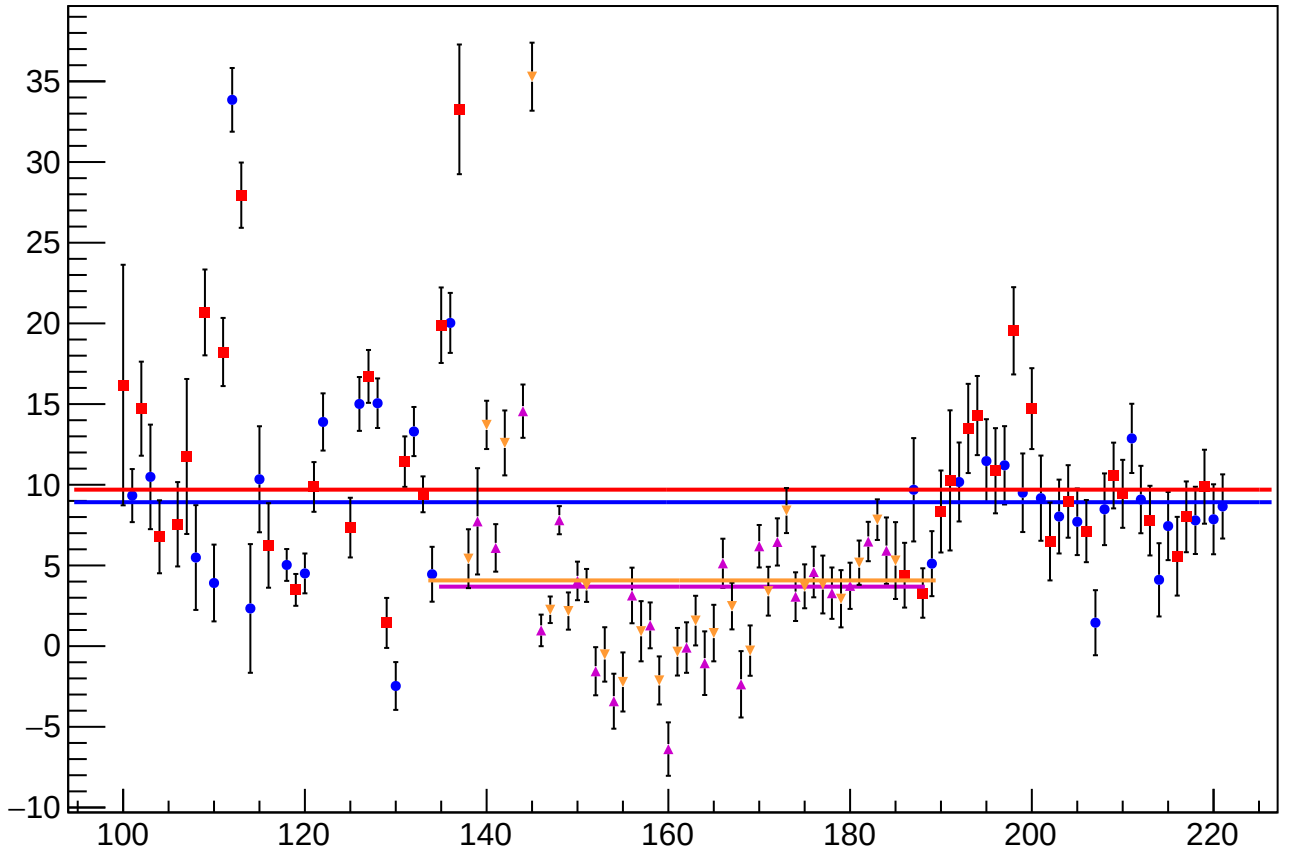
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -62.676+/-0.189 χ^2/NDF: 3490.6/69

In: -67.285+/-0.219 χ^2/NDF:3176.1/56

Out: -67.508+/-0.223 χ^2/NDF:3939.9/59

All: -67.395+/-0.156 χ^2/NDF: 7116.5/116


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
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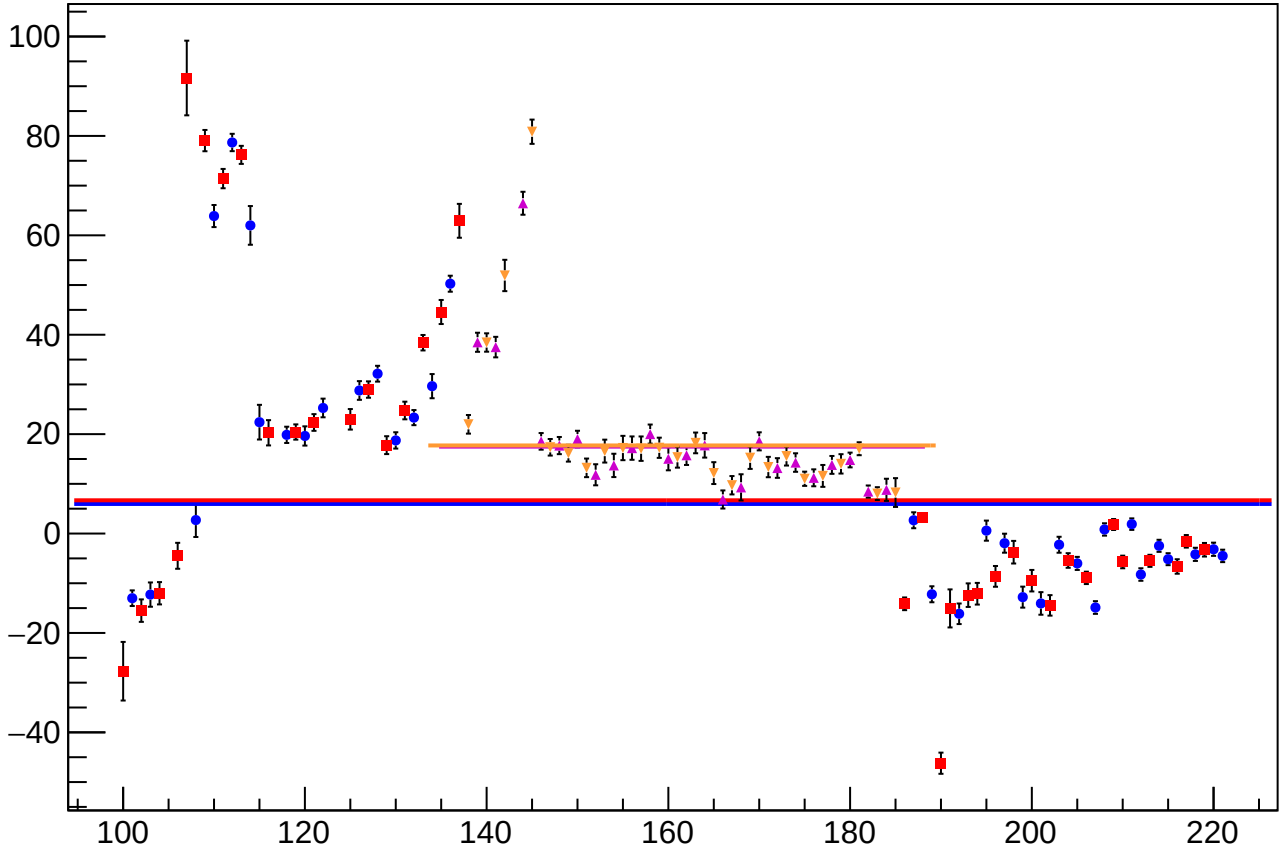
20
15
10
5
0
−5
−10
100
120
140
160
180
200
220
Right In: 8.920+/-0.333 χ²/NDF: 372.7/33
Left Out: 4.073+/-0.297 χ²/NDF:370.6/23
Right Out: 9.697+/-0.338 χ²/NDF: 321.2/35
Left In: 3.686+/-0.302 χ²/NDF:182.6/22
Left: 3.883+/-0.212 χ²/NDF: 554.0/46
Right: 9.303+/-0.237 χ²/NDF: 696.5/69
In: 6.047+/-0.224 χ²/NDF:691.1/56
Out: 6.525+/-0.223 χ²/NDF:848.3/59
All: 6.287+/-0.158 χ²/NDF: 1541.7/116

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 6.689+/-0.283 χ^2/NDF: 7502.7/35

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

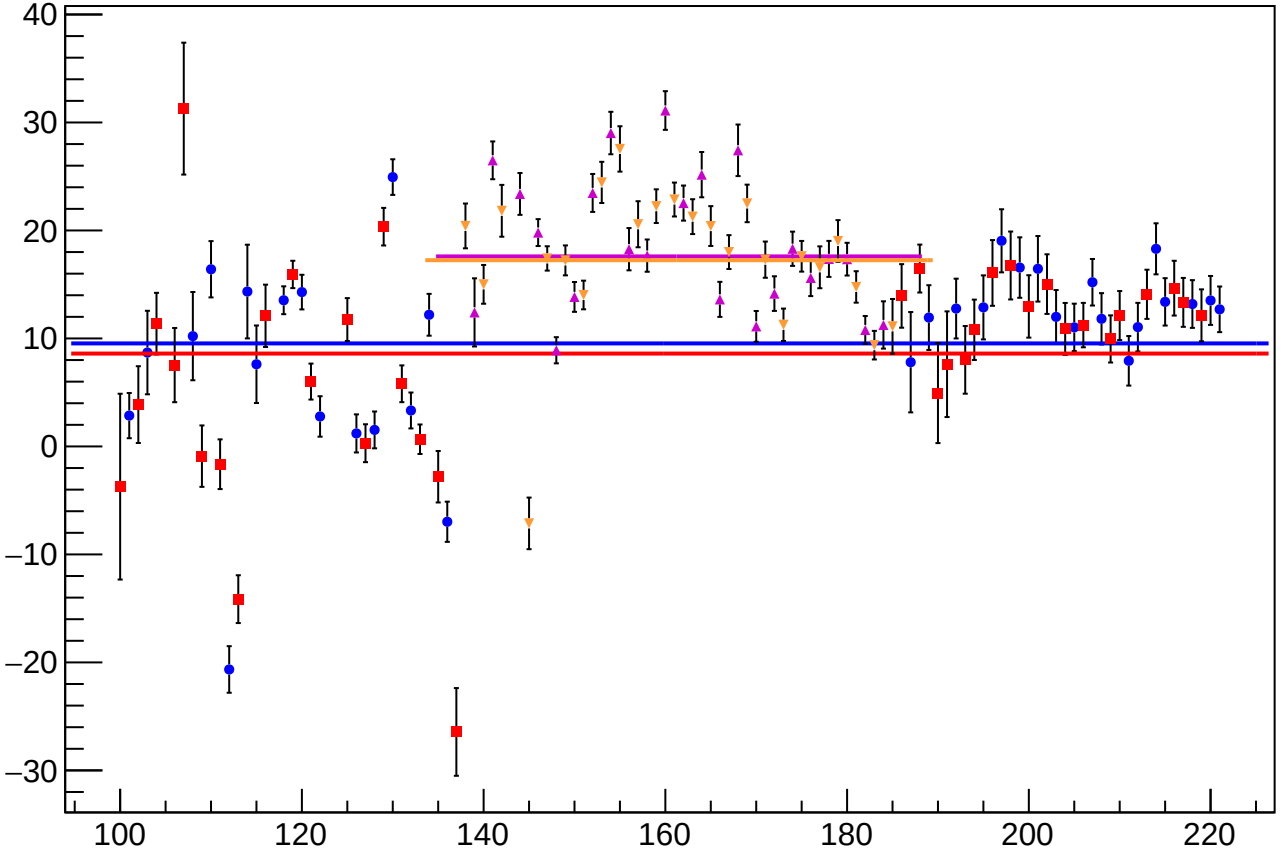
Right: 6.315+/-0.198 χ^2/NDF: 13307.8/69

In: 9.798+/-0.227 χ^2/NDF:7197.7/56

Out: 10.477+/-0.229 χ^2/NDF:9083.8/59

All: 10.133+/-0.161 χ^2/NDF: 16286.0/116

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 8.600+/-0.389 χ^2/NDF: 457.7/35

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

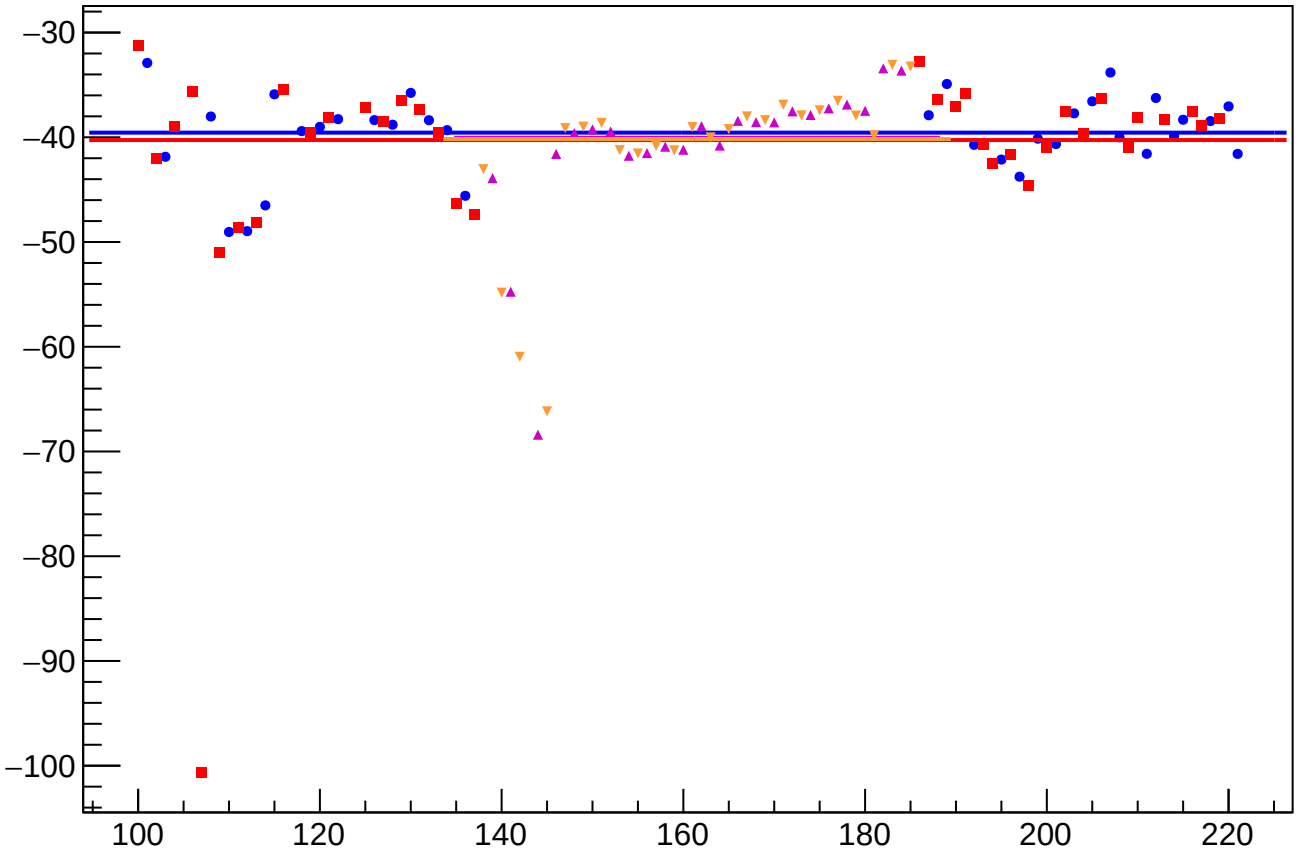
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 9.084+/-0.271 χ^2/NDF: 993.5/69

In: 13.971+/-0.254 χ^2/NDF:1091.8/56

Out: 13.528+/-0.255 χ^2/NDF:999.6/59

All: 13.751+/-0.180 χ^2/NDF: 2093.0/116



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: -40.263+/-0.019 χ^2/NDF: 74185.7/35

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

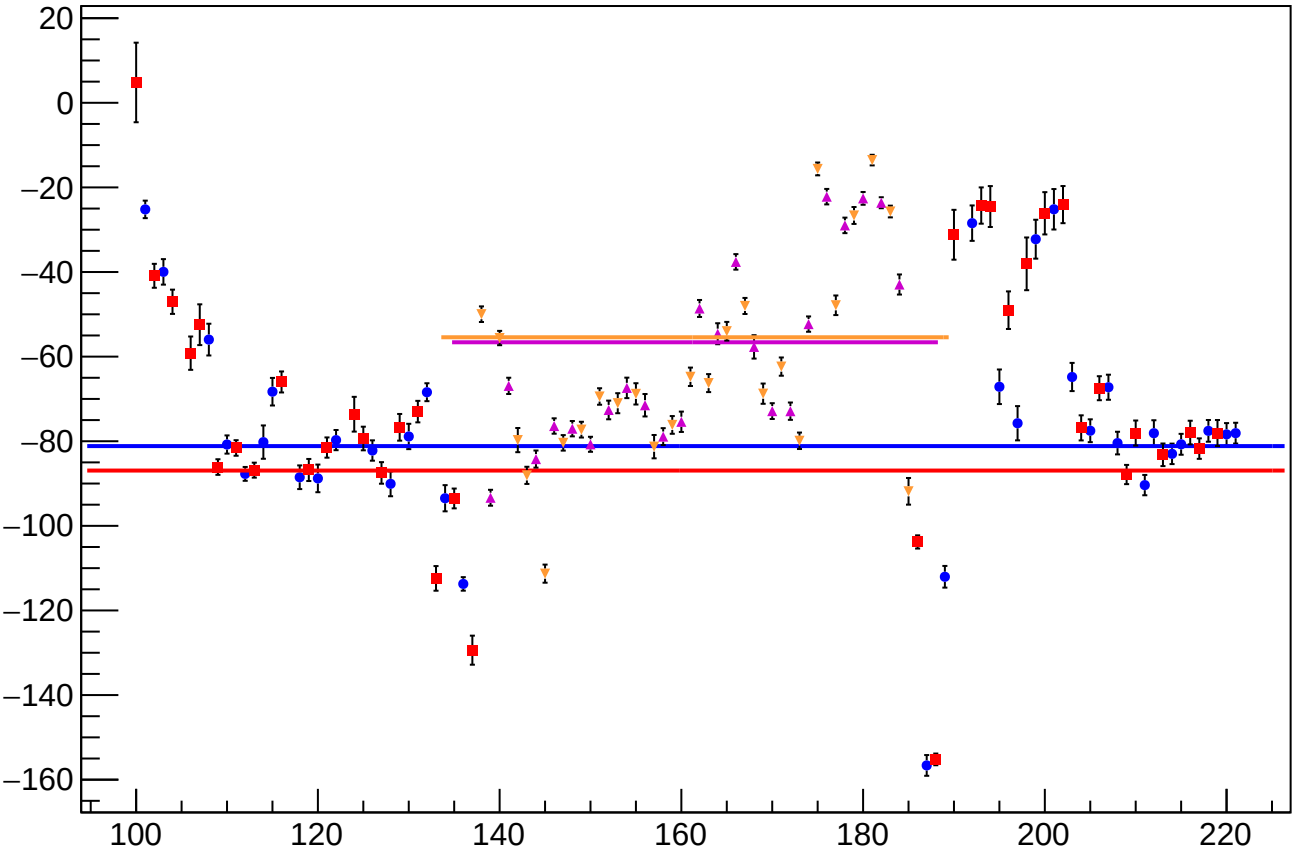
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -39.905+/-0.014 χ^2/NDF: 109365.4/69

In: -39.856+/-0.012 χ^2/NDF:171351.3/56

Out: -40.203+/-0.012 χ^2/NDF:237537.3/59

All: -40.028+/-0.009 χ^2/NDF: 409301.6/116



Right In: -81.148+/-0.456 χ^2/NDF: 3067.4/33

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -86.930+/-0.445 χ^2/NDF: 4640.8/35

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

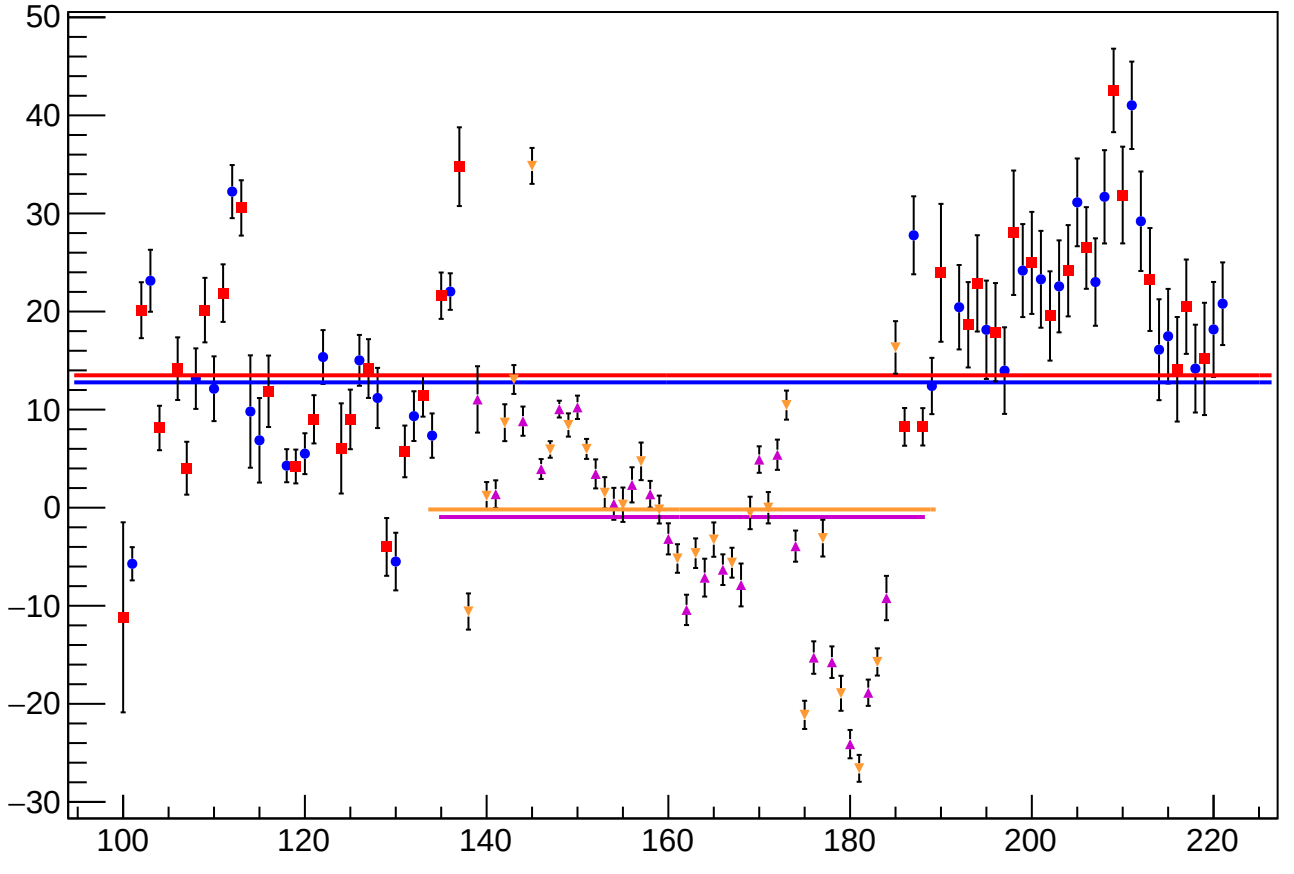
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.109+/-0.318 χ^2/NDF: 7790.7/69

In: -67.405+/-0.302 χ^2/NDF:8042.9/56

Out: -69.255+/-0.295 χ^2/NDF:11983.4/60

All: -68.354+/-0.211 χ^2/NDF: 20045.5/117



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: 13.498+/-0.525 χ^2/NDF: 317.1/35

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

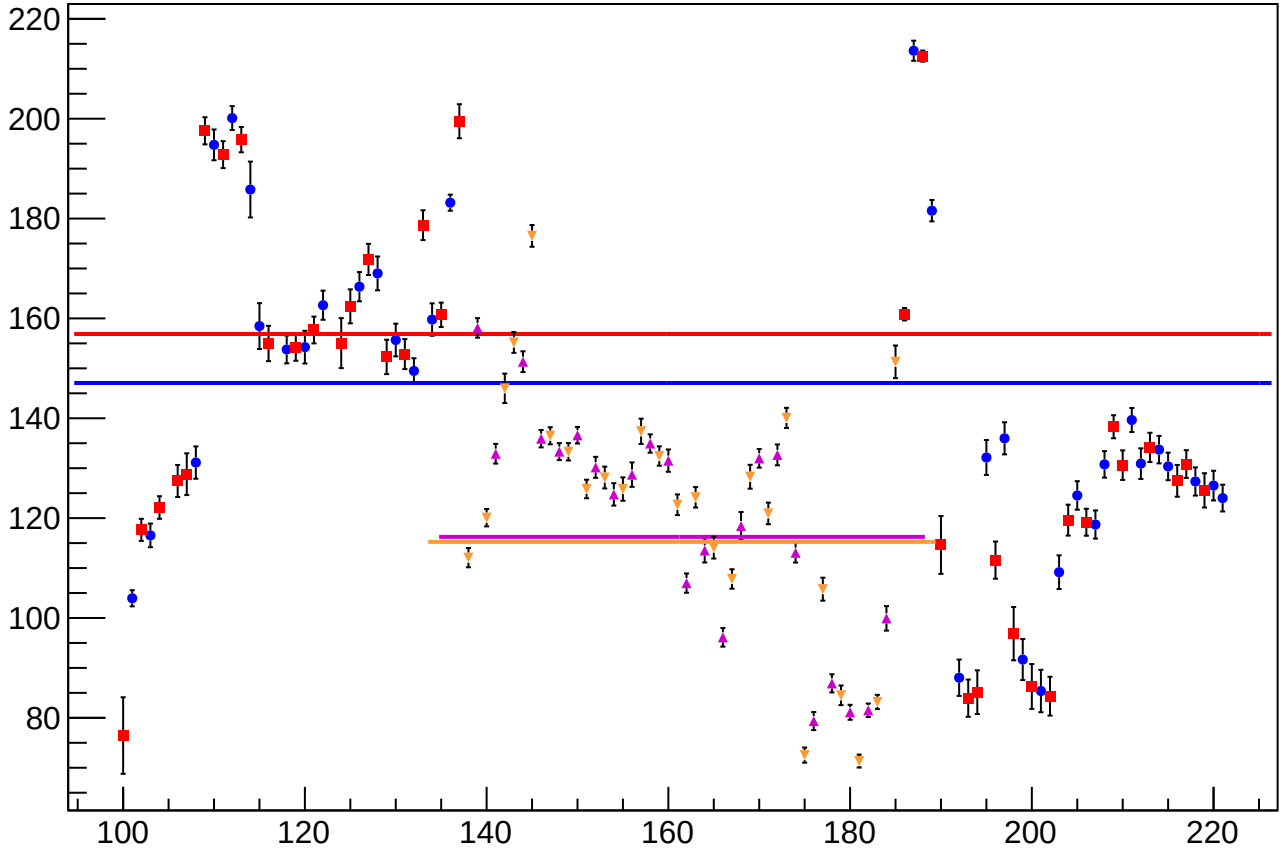
Right: 13.143+/-0.374 χ^2/NDF: 740.4/69

In: 2.416+/-0.264 χ^2/NDF:1992.1/56

Out: 3.084+/-0.257 χ^2/NDF:2431.5/60

All: 2.759+/-0.184 χ^2/NDF: 4426.9/117

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: 156.877+/-0.449 χ^2/NDF: 6568.5/35

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

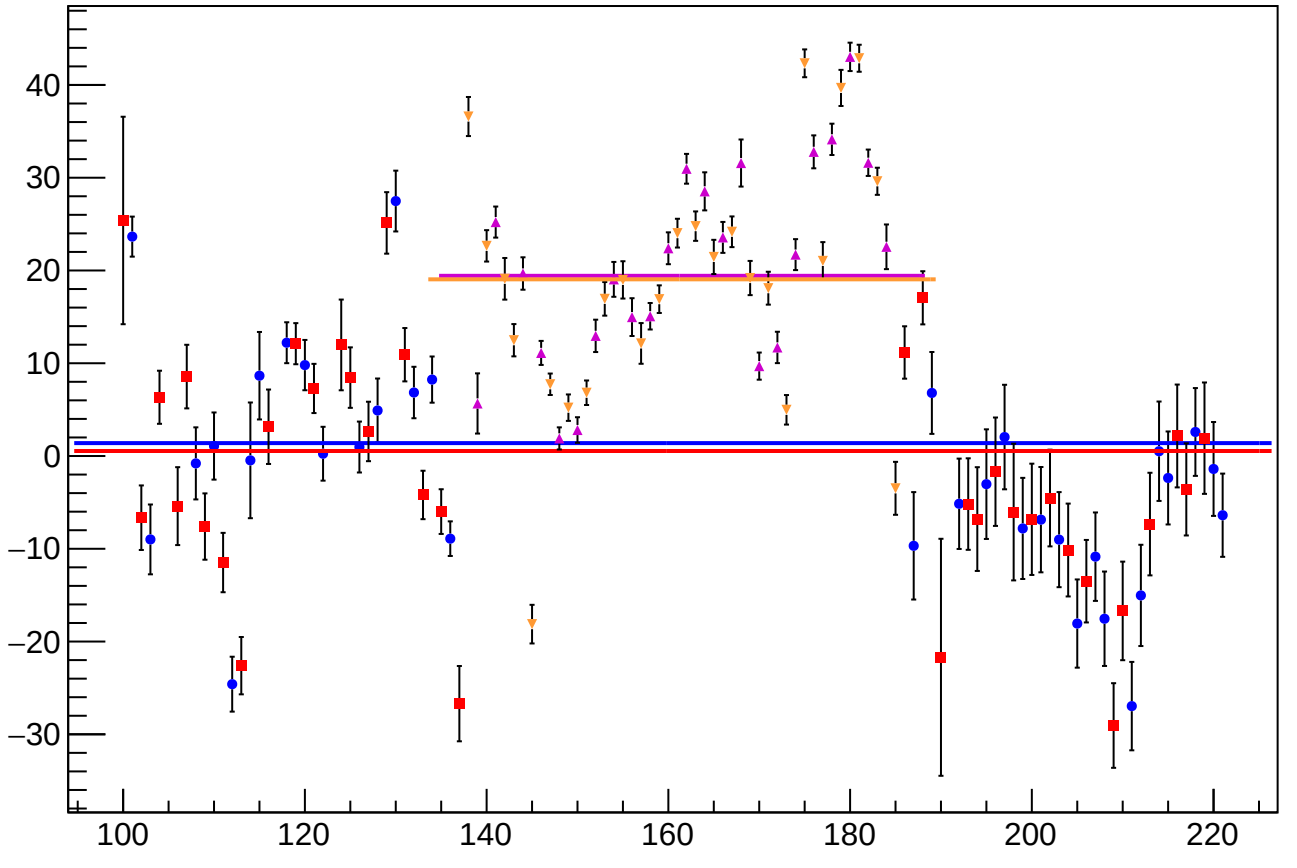
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 152.196+/-0.325 χ^2/NDF: 11759.8/69

In: 129.140+/-0.304 χ^2/NDF:11095.2/56

Out: 133.145+/-0.295 χ^2/NDF:16296.7/60

All: 131.208+/-0.212 χ^2/NDF: 27481.3/117



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: 0.541+/-0.618 χ^2/NDF: 392.7/35

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

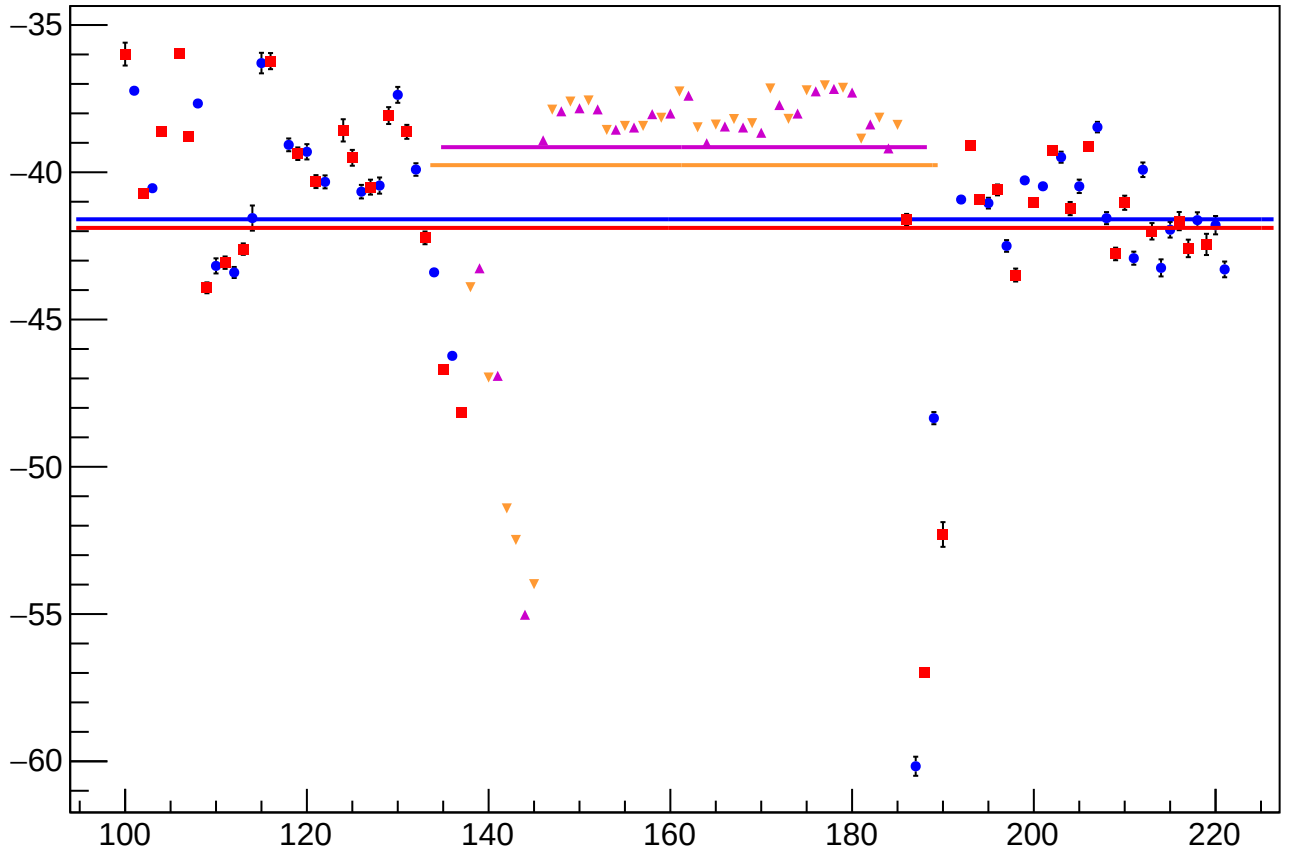
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 0.970+/-0.435 χ^2/NDF: 830.0/69

In: 15.075+/-0.301 χ^2/NDF:2170.0/56

Out: 14.826+/-0.295 χ^2/NDF:2629.6/60

All: 14.948+/-0.211 χ^2/NDF: 4799.9/117



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: -41.889+/-0.031 χ^2/NDF: 19771.1/35

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

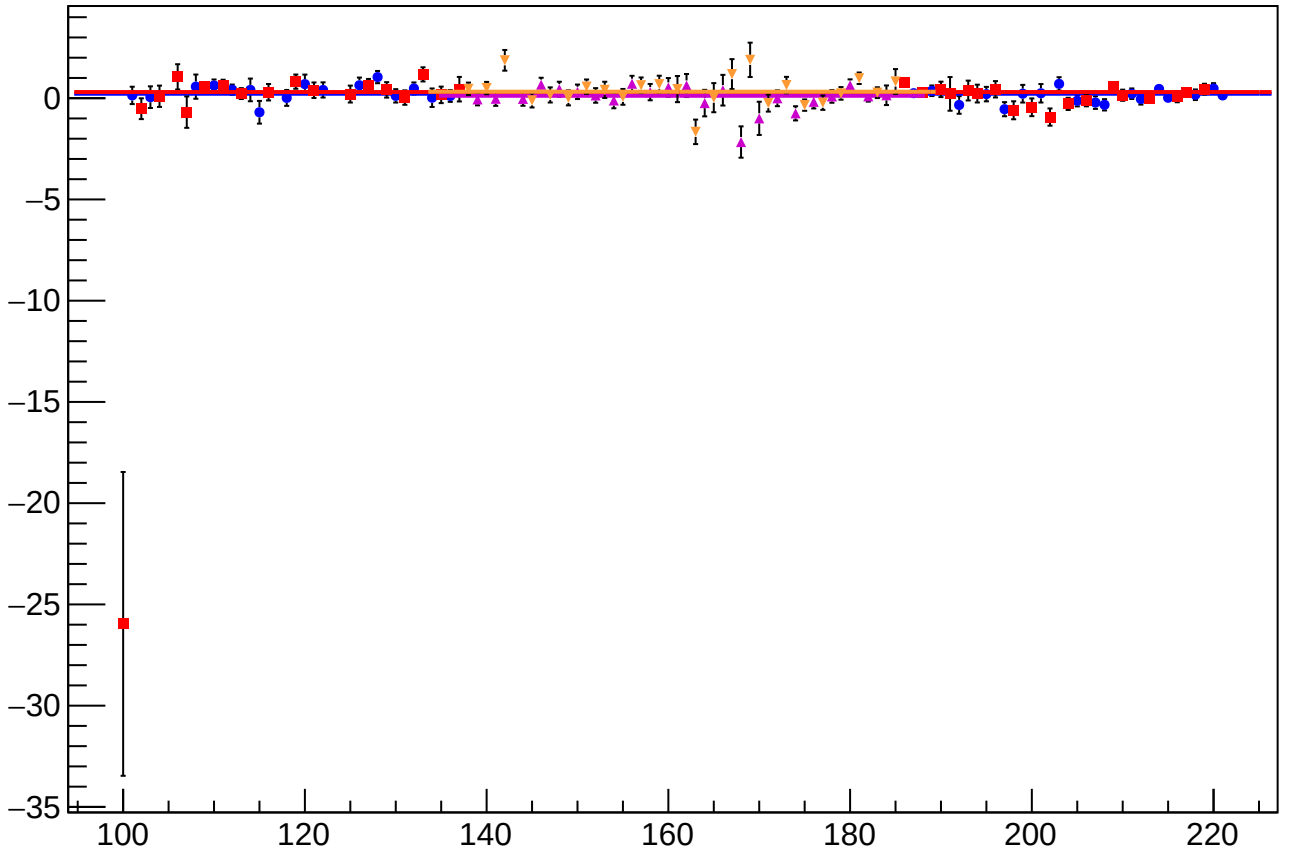
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.740+/-0.022 χ^2/NDF: 32866.3/69

In: -39.666+/-0.014 χ^2/NDF:65165.9/56

Out: -40.187+/-0.014 χ^2/NDF:105476.6/60

All: -39.928+/-0.010 χ^2/NDF: 171355.2/117



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+/-0.052 χ^2/NDF: 64.6/35

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

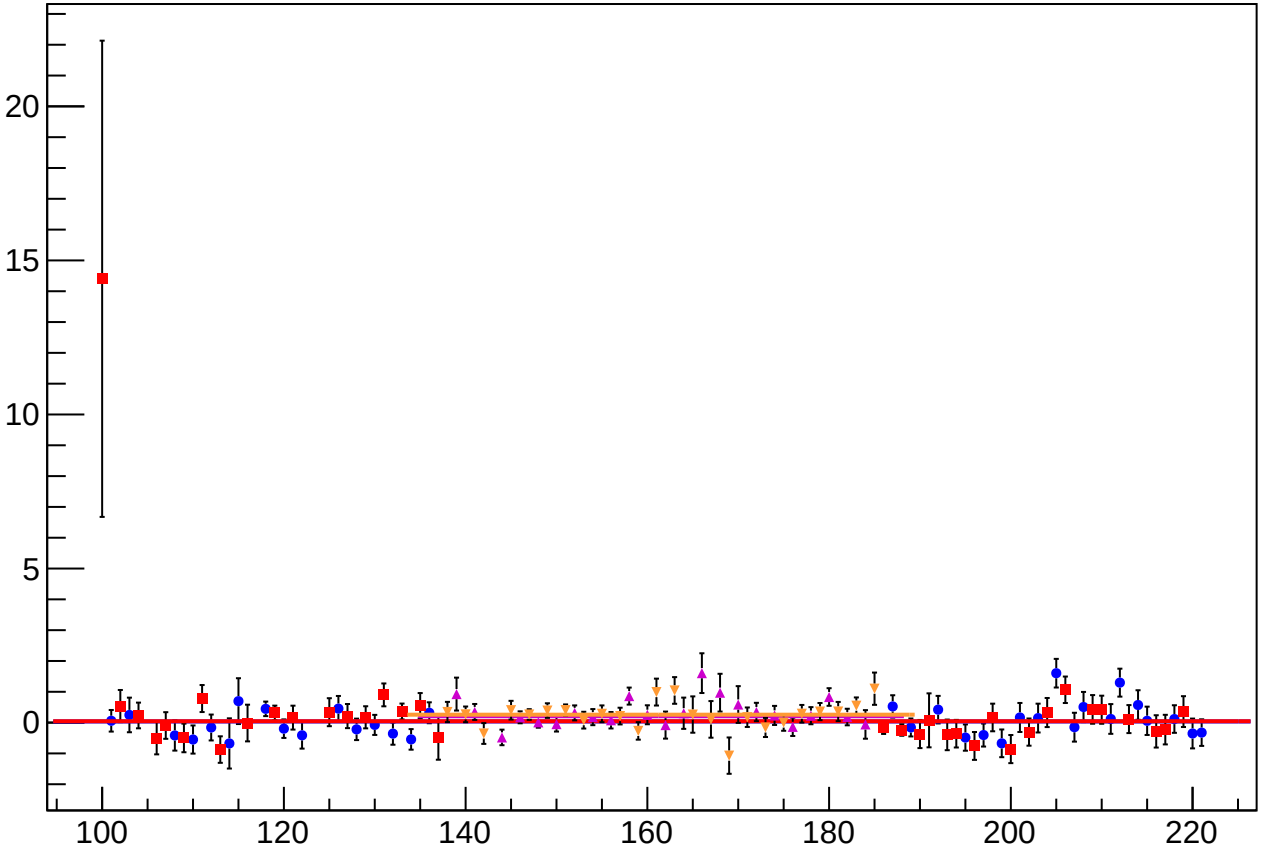
Right: 0.264+/-0.037 χ^2/NDF: 103.0/69

In: 0.189+/-0.045 χ^2/NDF:68.2/56

Out: 0.309+/-0.043 χ^2/NDF:111.5/59

All: 0.251+/-0.031 χ^2/NDF: 183.5/116

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: 0.044+/-0.065 χ^2/NDF: 47.6/35

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

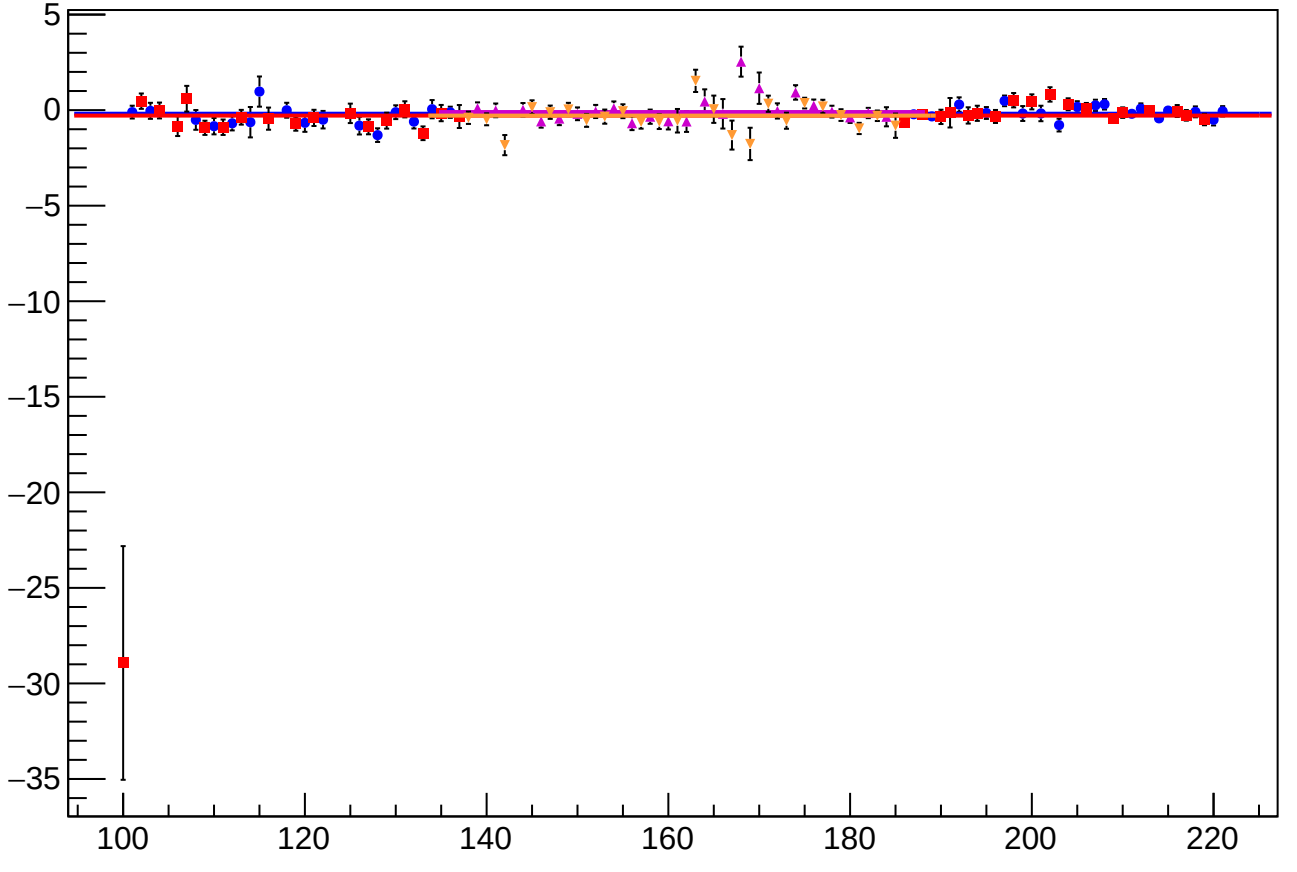
Right: 0.041+/-0.047 χ^2/NDF: 94.6/69

In: 0.133+/-0.045 χ^2/NDF:82.4/56

Out: 0.161+/-0.044 χ^2/NDF:79.9/59

All: 0.147+/-0.032 χ^2/NDF: 162.5/116

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: -0.286+/-0.051 χ^2/NDF: 77.9/35

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

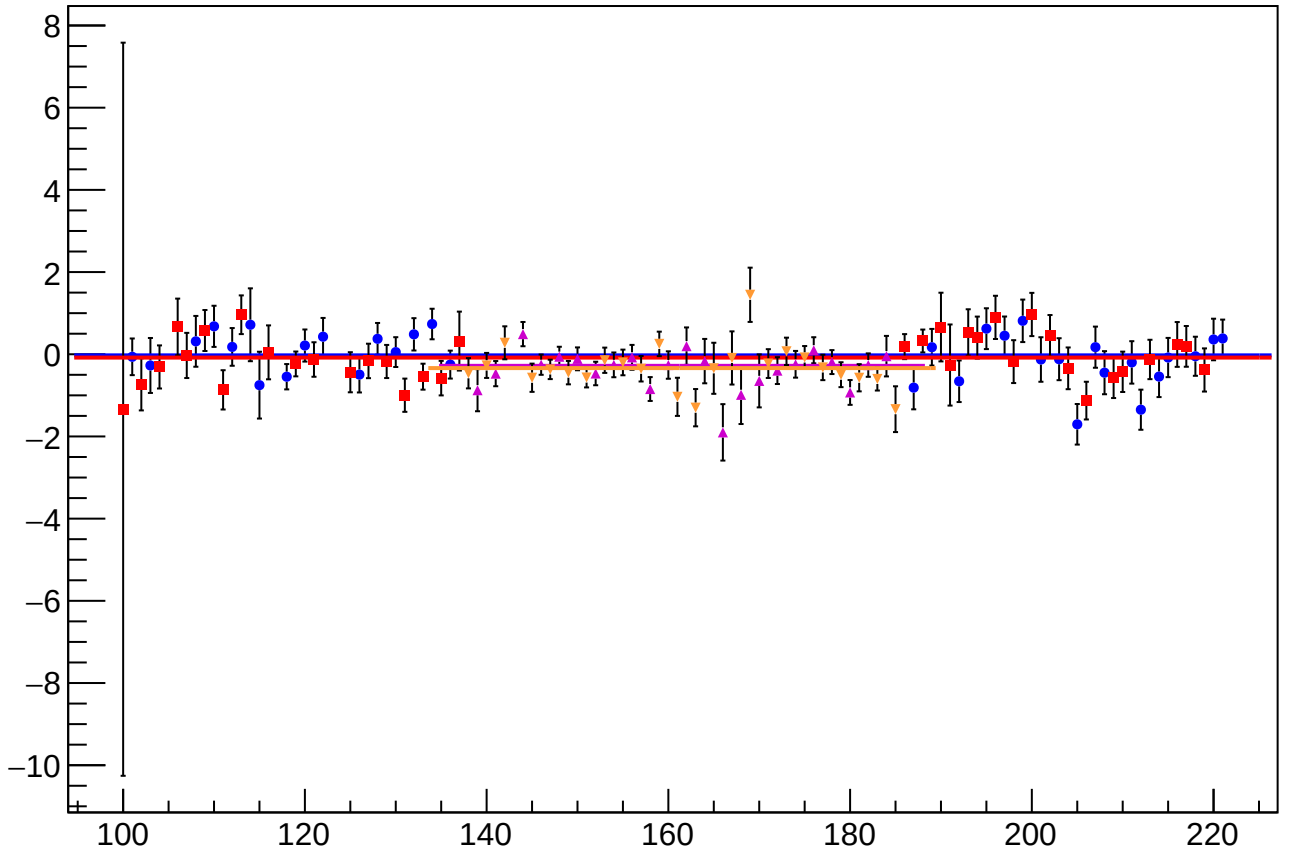
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.241+/-0.037 χ^2/NDF: 123.4/69

In: -0.159+/-0.045 χ^2/NDF:77.9/56

Out: -0.286+/-0.042 χ^2/NDF:122.9/59

All: -0.226+/-0.031 χ^2/NDF: 205.1/116



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: -0.081+/-0.078 χ^2/NDF: 44.0/35

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

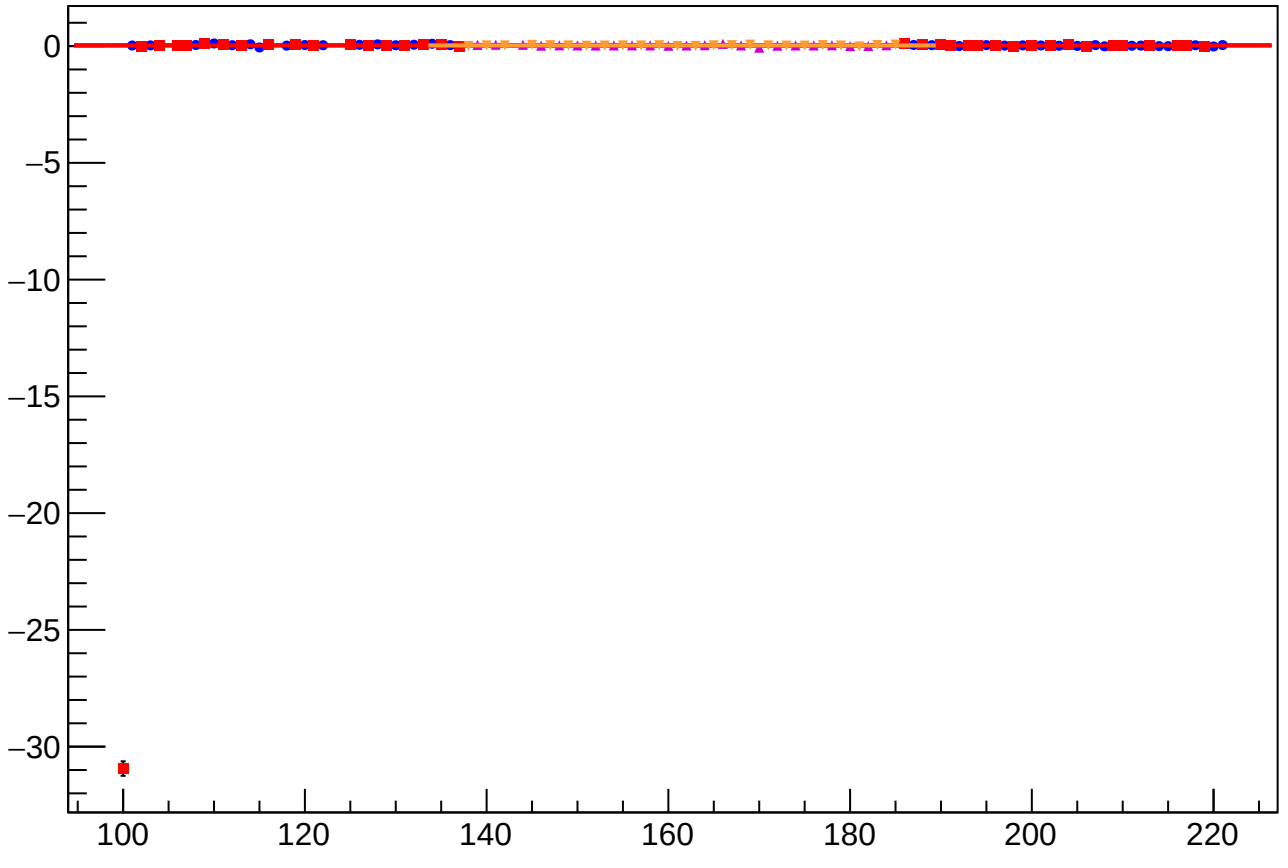
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.054+/-0.056 χ^2/NDF: 93.0/69

In: -0.172+/-0.052 χ^2/NDF:83.6/56

Out: -0.227+/-0.051 χ^2/NDF:80.2/59

All: -0.200+/-0.037 χ^2/NDF: 164.4/116



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: 0.030+/-0.004 χ^2/NDF: 10058.6/35

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

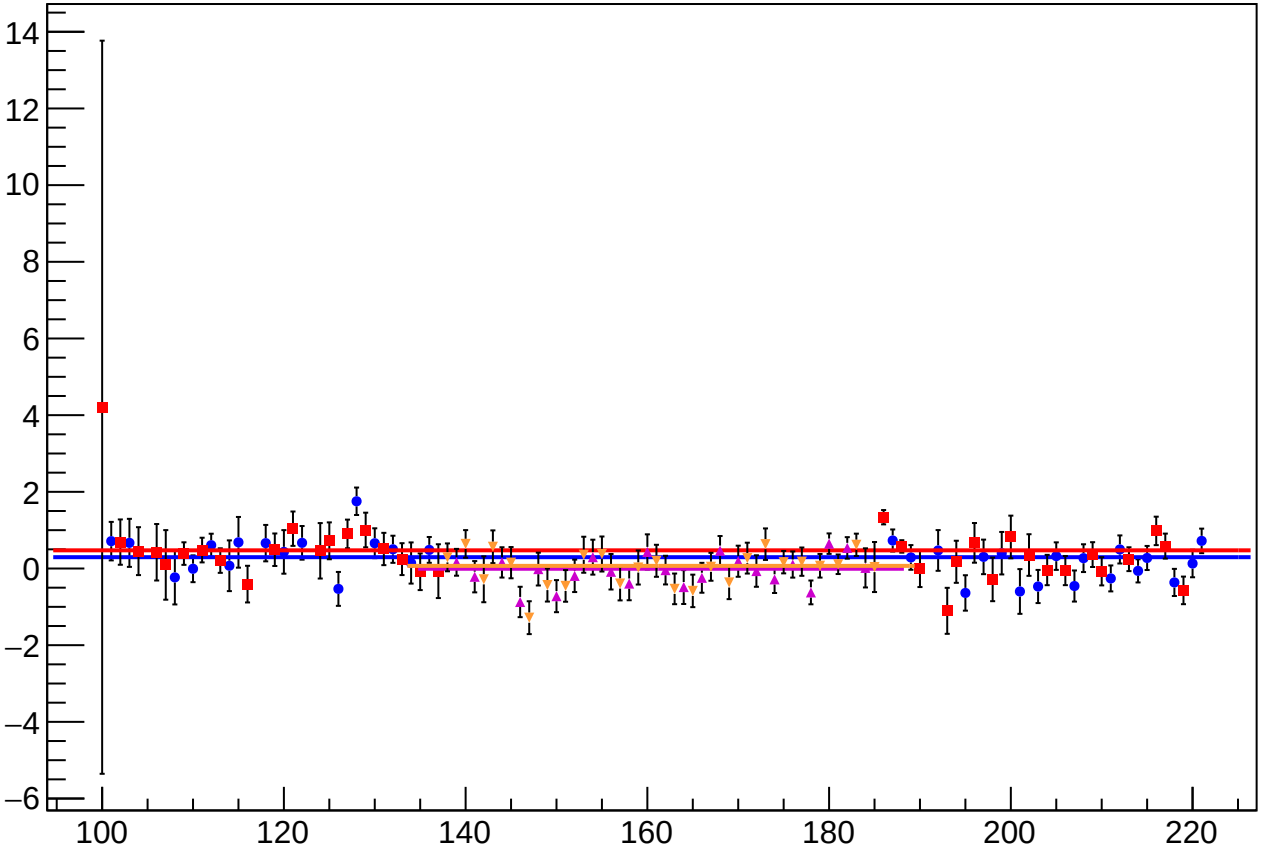
Right: 0.031+/-0.003 χ^2/NDF: 10102.0/69

In: 0.031+/-0.002 χ^2/NDF:82.4/56

Out: 0.029+/-0.002 χ^2/NDF:10086.2/59

All: 0.030+/-0.002 χ^2/NDF: 10168.9/116

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: 0.474+/-0.064 χ^2/NDF: 60.7/35

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

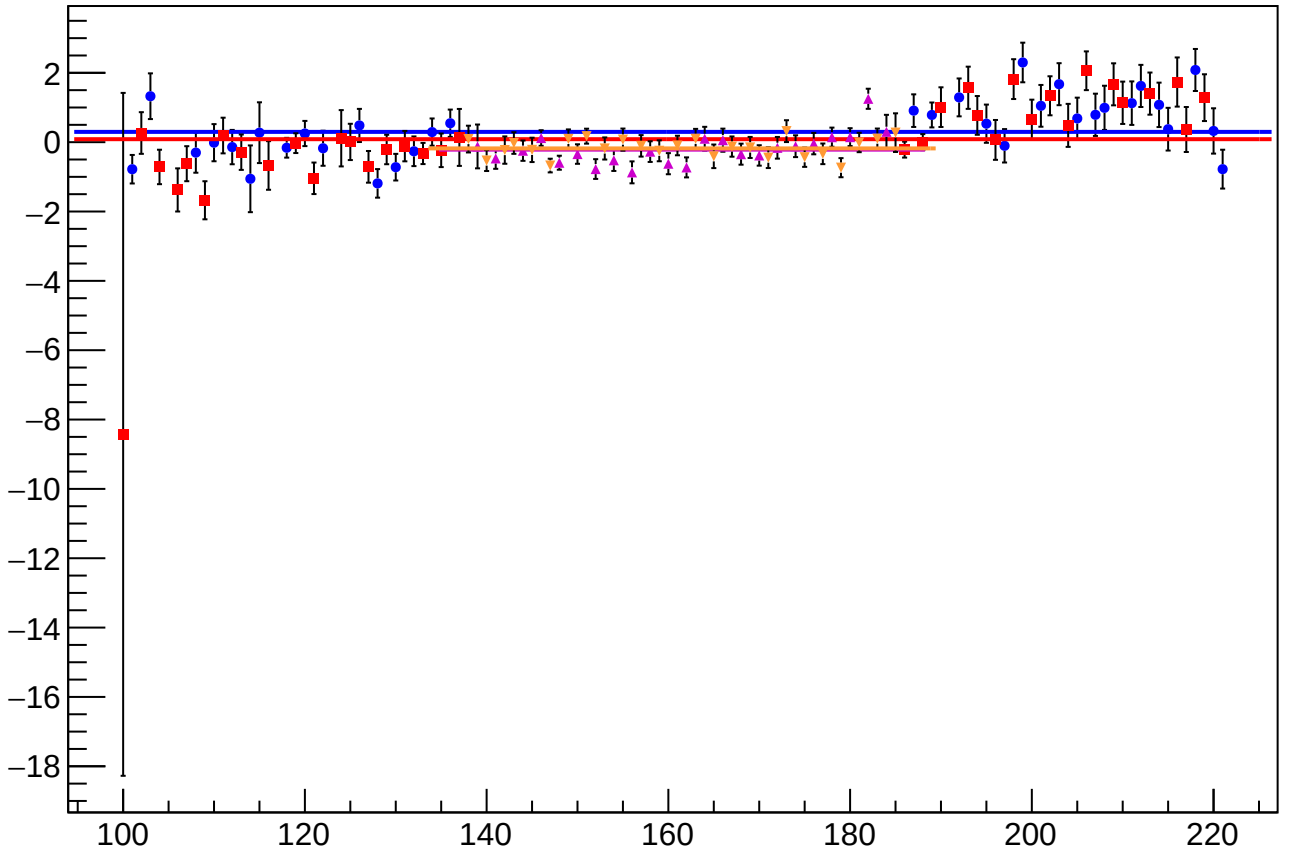
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.391+/-0.047 χ^2/NDF: 116.7/69

In: 0.168+/-0.052 χ^2/NDF:89.1/56

Out: 0.310+/-0.049 χ^2/NDF:108.2/60

All: 0.242+/-0.036 χ^2/NDF: 201.3/117



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: 0.086+/-0.079 χ^2/NDF: 98.3/35

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

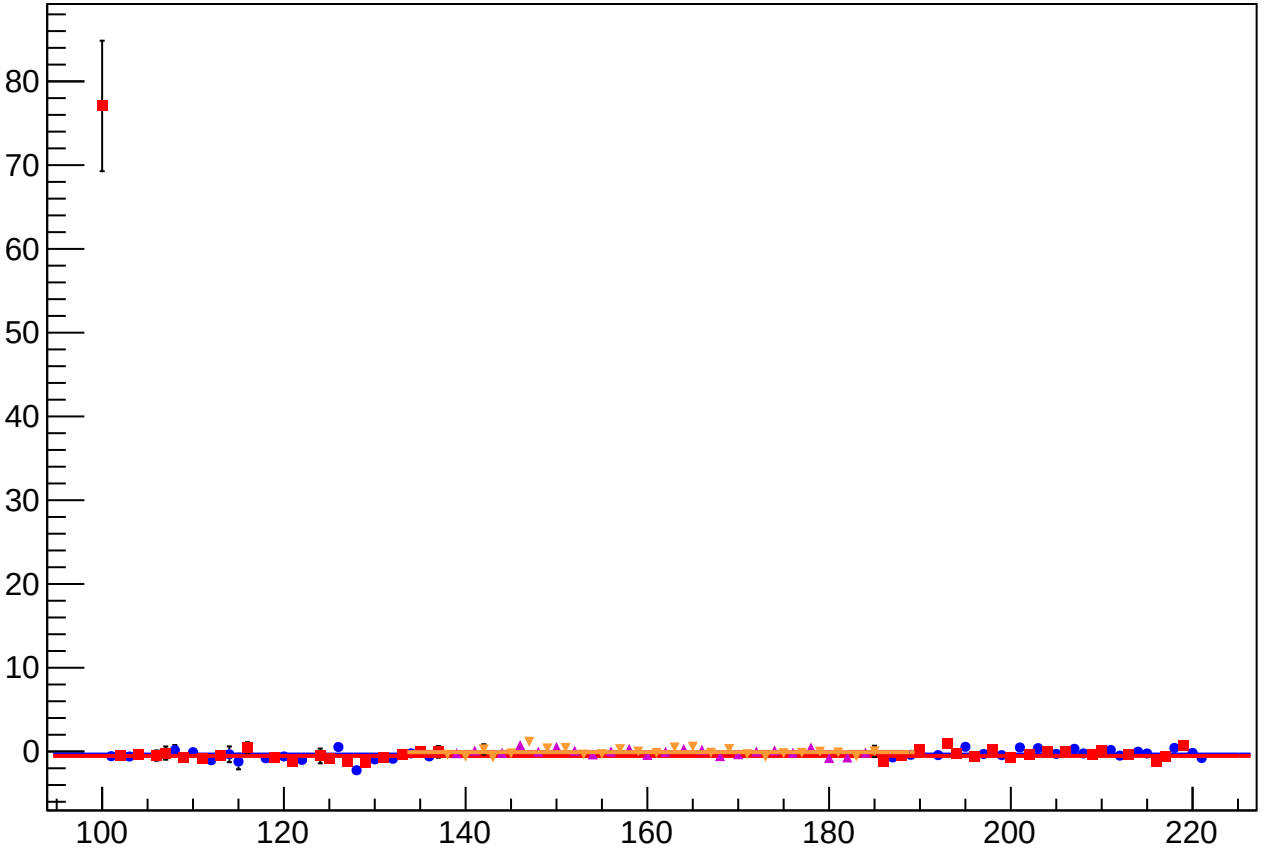
Right: 0.184+/-0.058 χ^2/NDF: 190.1/69

In: -0.039+/-0.050 χ^2/NDF:166.0/56

Out: -0.085+/-0.047 χ^2/NDF:130.3/60

All: -0.063+/-0.034 χ^2/NDF: 296.7/117

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.526+/-0.062 χ^2/NDF: 161.3/35

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

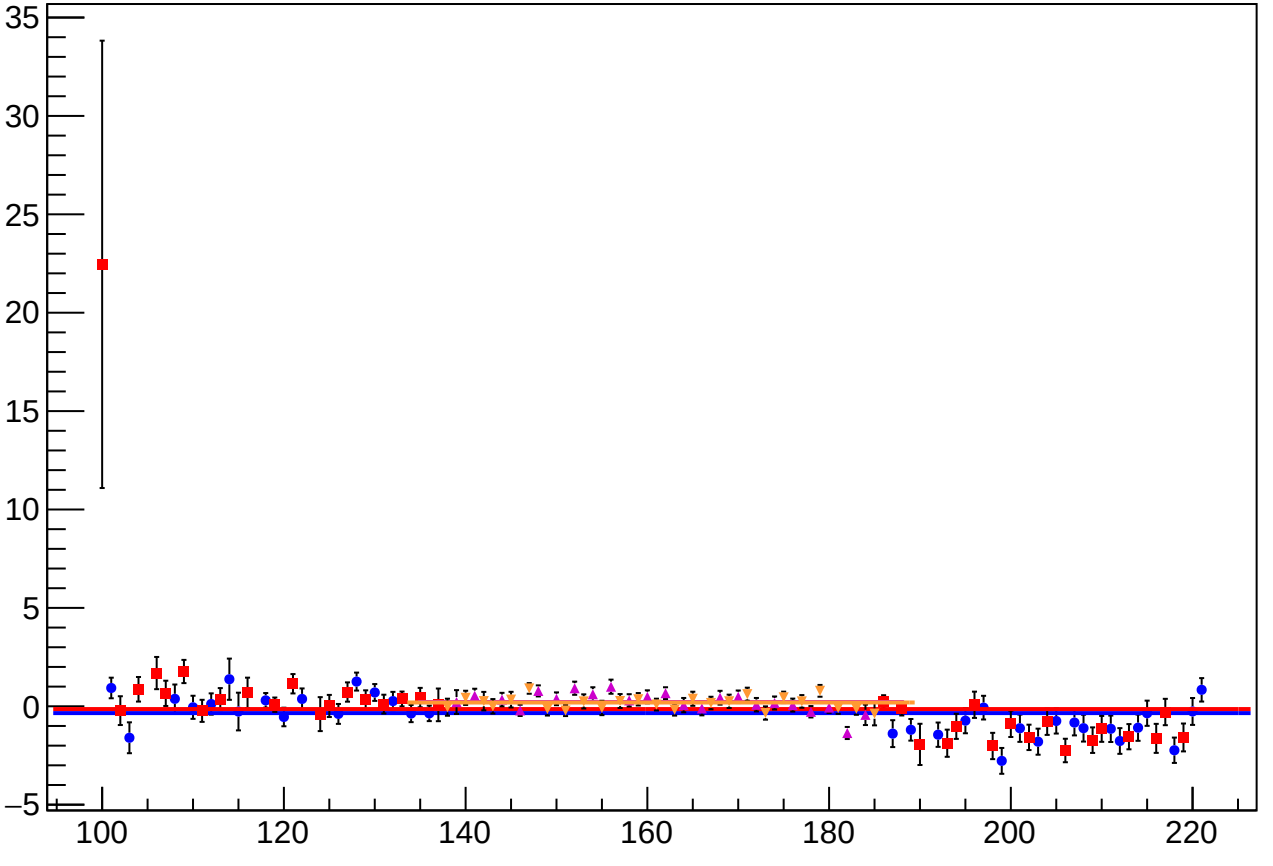
Right: -0.455+/-0.046 χ^2/NDF: 223.5/69

In: -0.238+/-0.052 χ^2/NDF:95.2/56

Out: -0.348+/-0.048 χ^2/NDF:211.9/60

All: -0.297+/-0.035 χ^2/NDF: 309.5/117

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: -0.141+/-0.095 χ^2/NDF: 102.0/35

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

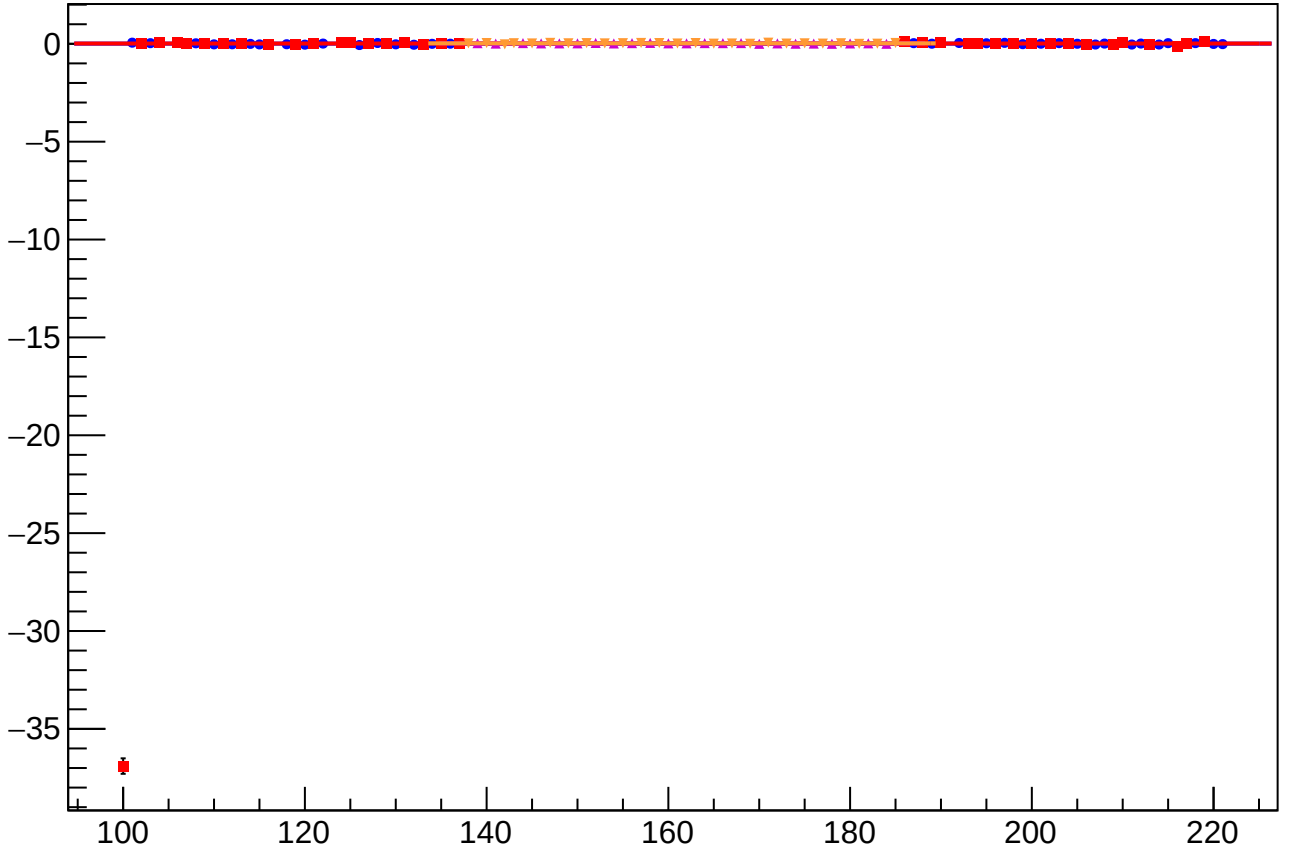
Right: -0.241+/-0.068 χ^2/NDF: 192.7/69

In: 0.028+/-0.056 χ^2/NDF:165.5/56

Out: 0.082+/-0.055 χ^2/NDF:136.1/60

All: 0.056+/-0.039 χ^2/NDF: 302.1/117

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.015+/-0.005 χ^2/NDF: 8799.8/35

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

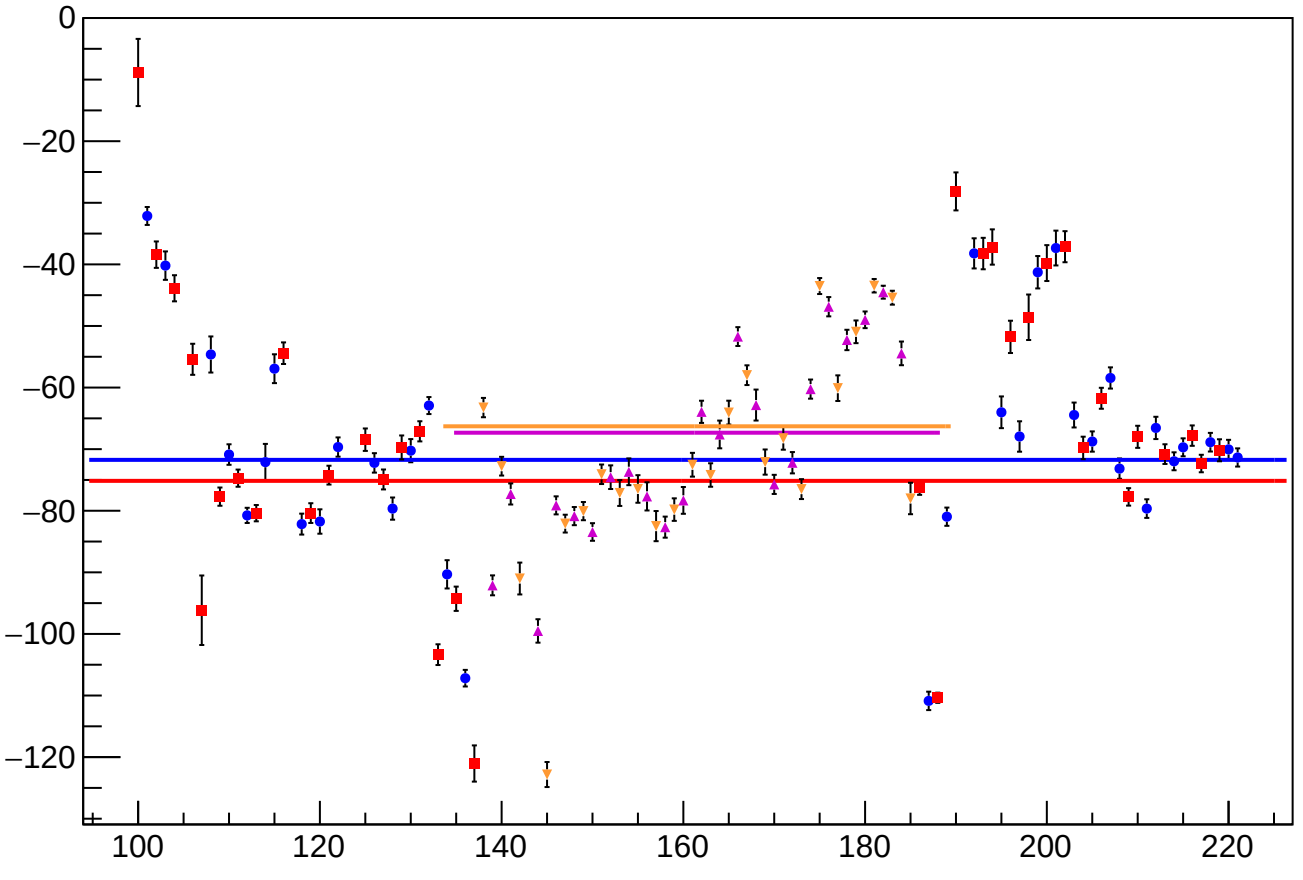
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8838.4/69

In: 0.020+/-0.003 χ^2/NDF:63.0/56

Out: 0.021+/-0.003 χ^2/NDF:8832.9/60

All: 0.021+/-0.002 χ^2/NDF: 8896.1/117



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: -75.148+/-0.294 χ^2/NDF: 4629.6/34

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

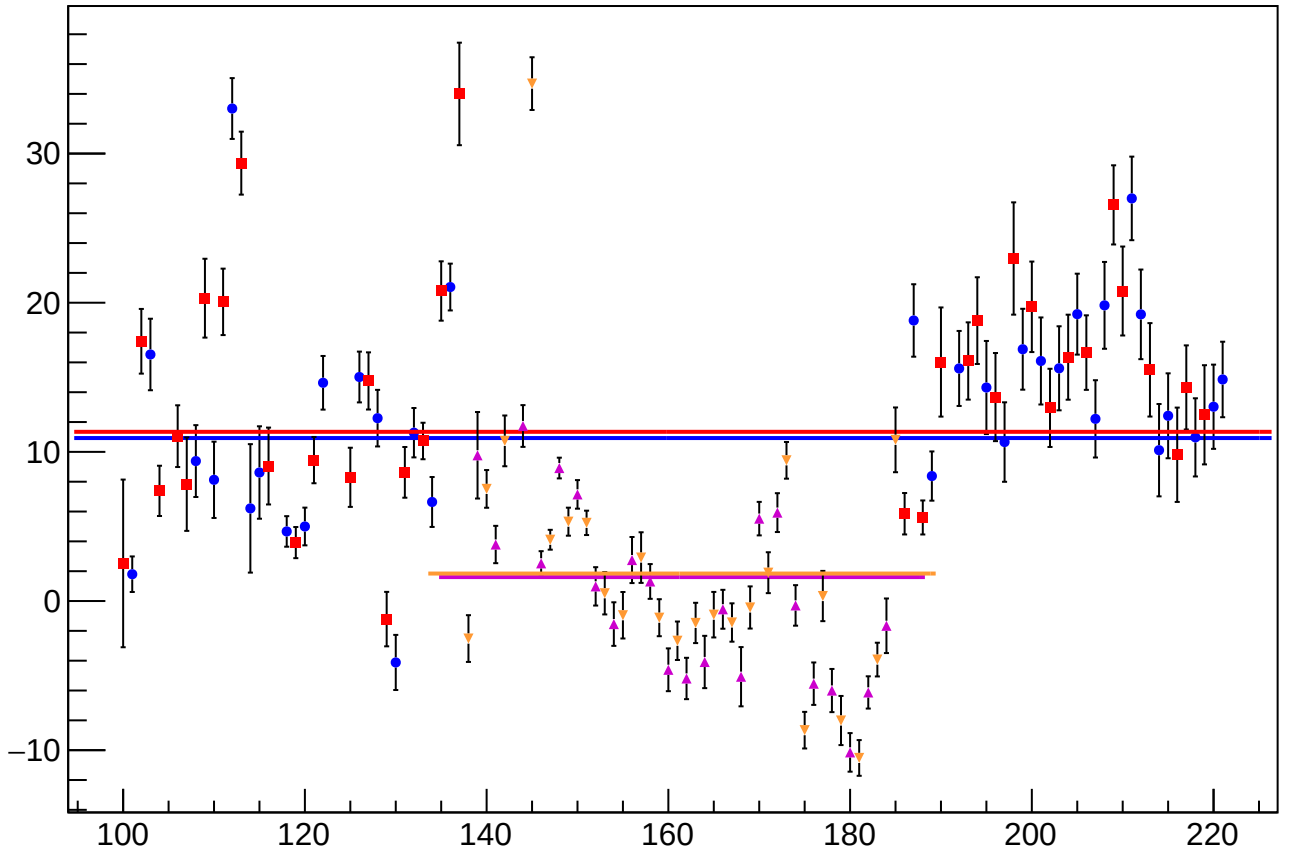
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.459+/-0.209 χ^2/NDF: 7957.5/68

In: -69.863+/-0.225 χ^2/NDF:5457.8/56

Out: -71.401+/-0.224 χ^2/NDF:7563.1/58

All: -70.637+/-0.159 χ^2/NDF: 13044.4/115



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: 11.345+/-0.349 χ^2/NDF: 415.7/34

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

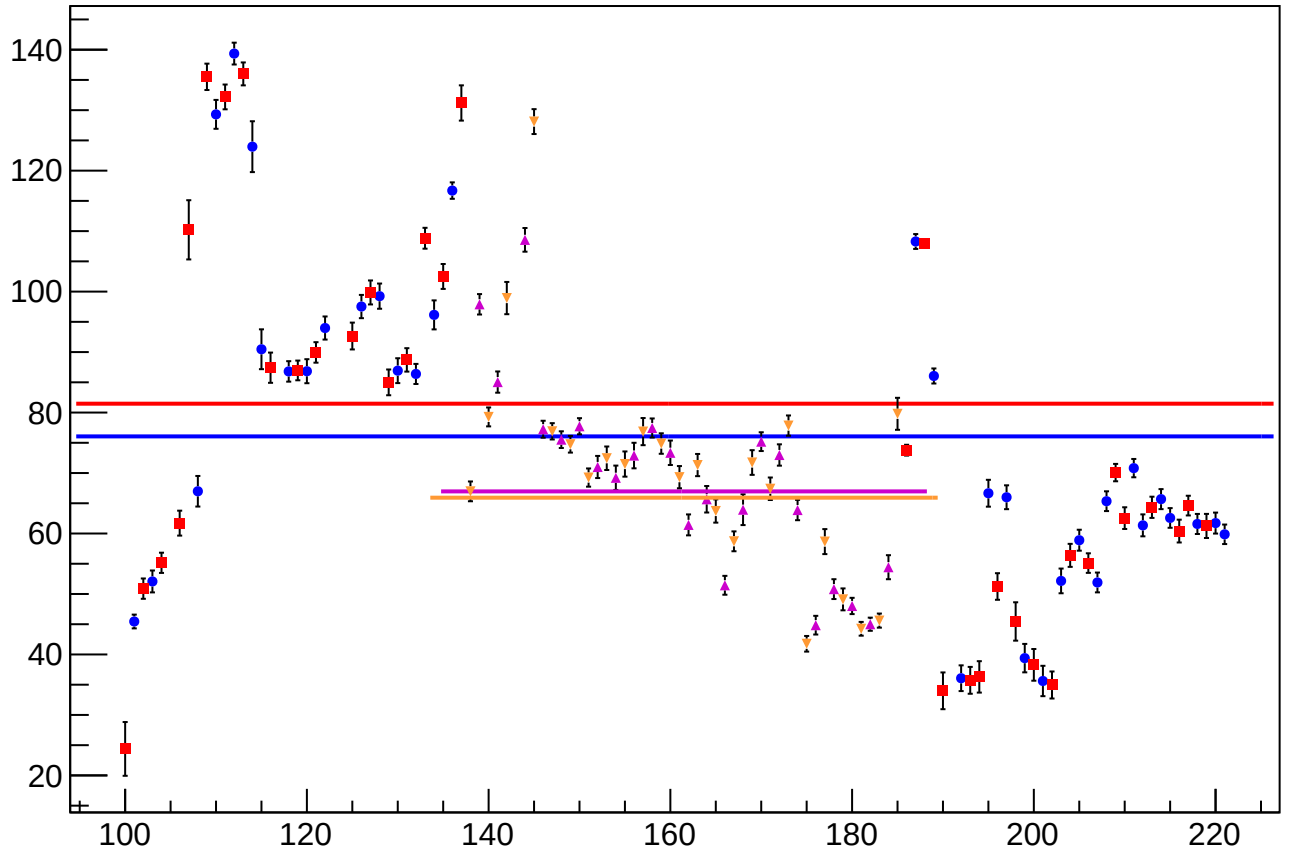
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.136+/-0.247 χ^2/NDF: 876.8/68

In: 4.889+/-0.208 χ^2/NDF:1415.5/56

Out: 5.134+/-0.206 χ^2/NDF:1680.4/58

All: 5.013+/-0.146 χ^2/NDF: 3096.6/115



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: 81.466+/-0.294 χ^2/NDF: 8436.0/34

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

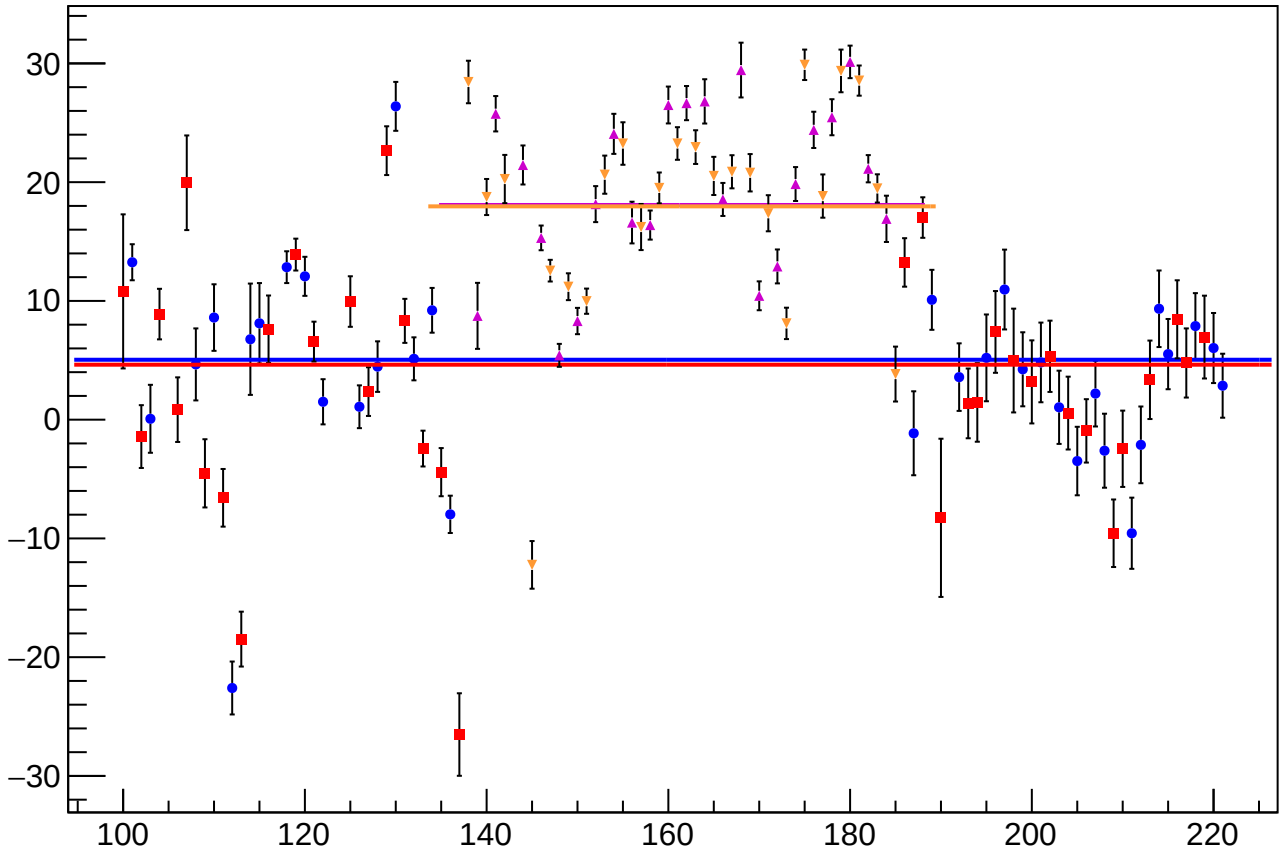
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 78.861+/-0.211 χ^2/NDF: 15401.5/68

In: 72.022+/-0.227 χ^2/NDF:9418.6/56

Out: 74.835+/-0.222 χ^2/NDF:12186.3/58

All: 73.459+/-0.159 χ^2/NDF: 21683.1/115



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: 4.630+/-0.414 χ^2/NDF: 534.3/34

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

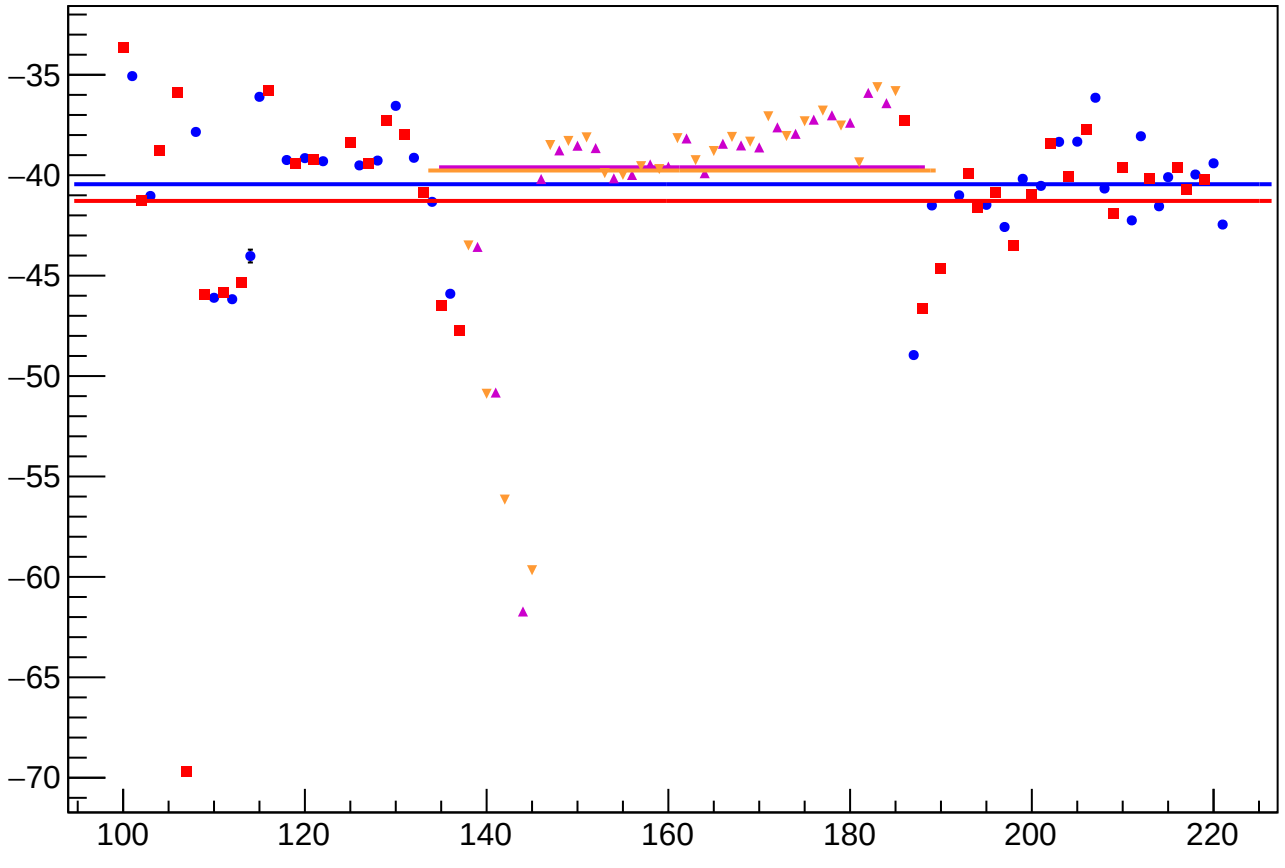
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.842+/-0.290 χ^2/NDF: 1025.3/68

In: 13.582+/-0.239 χ^2/NDF:1769.8/56

Out: 13.530+/-0.239 χ^2/NDF:1959.9/58

All: 13.556+/-0.169 χ^2/NDF: 3729.7/115



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: -41.280+/-0.021 χ^2/NDF: 44950.1/34

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

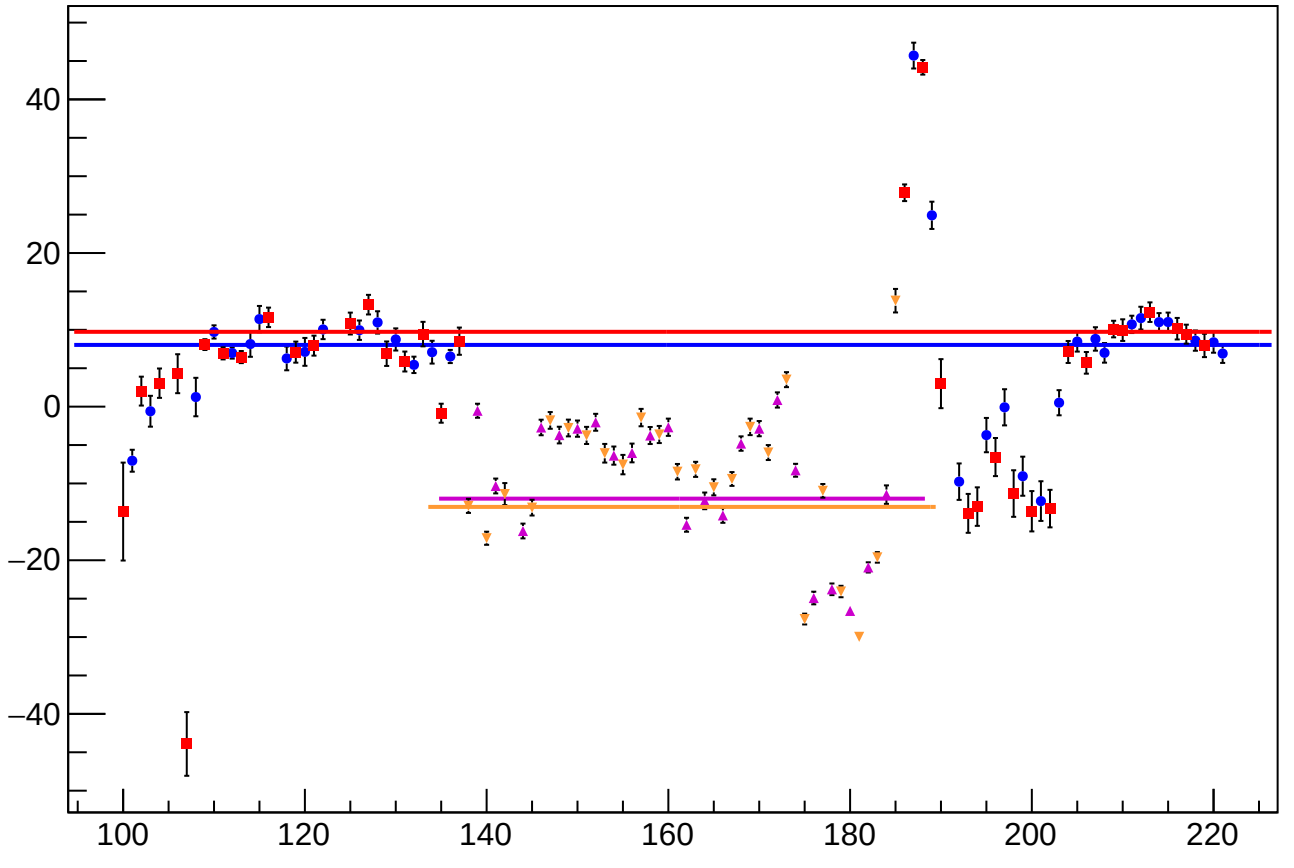
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.857+/-0.014 χ^2/NDF: 69312.7/68

In: -39.862+/-0.011 χ^2/NDF:131376.6/56

Out: -40.218+/-0.011 χ^2/NDF:178626.3/58

All: -40.038+/-0.008 χ^2/NDF: 310507.4/115



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: 9.742+/-0.231 χ^2/NDF: 2392.9/34

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

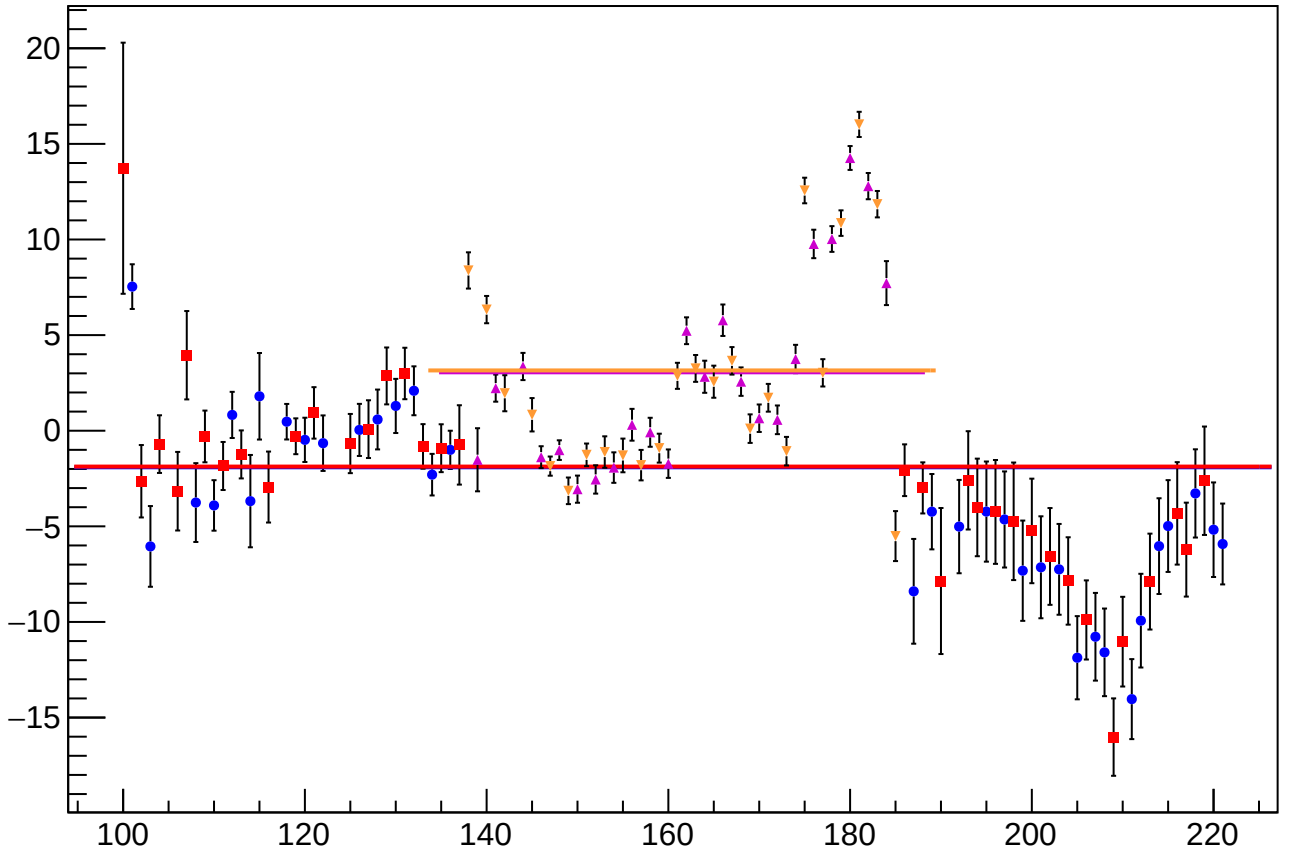
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.897+/-0.164 χ^2/NDF: 3429.1/68

In: -3.711+/-0.150 χ^2/NDF:7515.6/56

Out: -3.689+/-0.148 χ^2/NDF:11005.7/58

All: -3.700+/-0.105 χ^2/NDF: 18521.3/115



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: -1.875+/-0.290 χ^2/NDF: 155.9/34

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

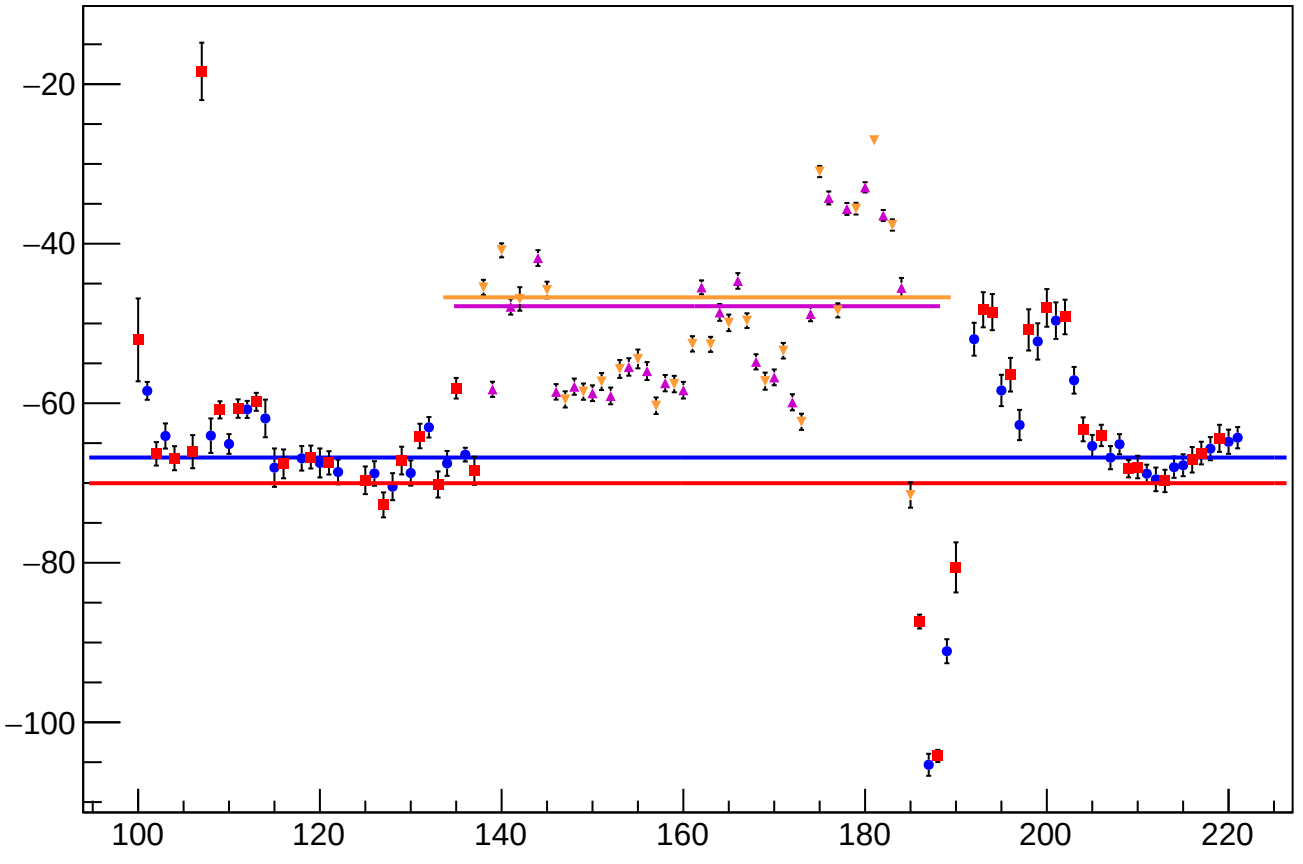
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.894+/-0.203 χ^2/NDF: 397.6/68

In: 1.954+/-0.134 χ^2/NDF:1623.5/56

Out: 2.102+/-0.133 χ^2/NDF:1778.6/58

All: 2.029+/-0.094 χ^2/NDF: 3402.6/115



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: -70.025+/-0.249 χ^2/NDF: 3498.2/34

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

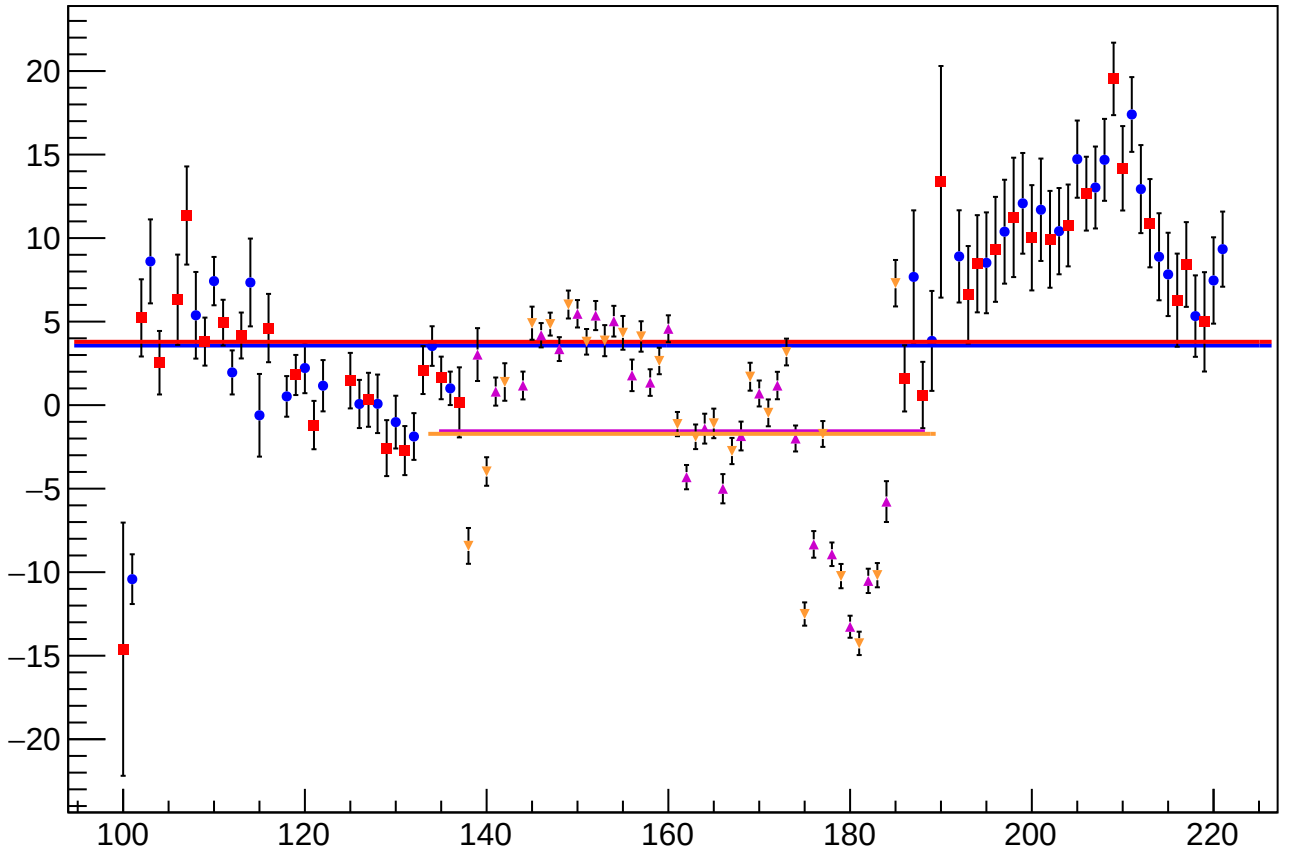
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.425+/-0.177 χ^2/NDF: 4957.0/68

In: -54.922+/-0.153 χ^2/NDF:7511.5/56

Out: -55.367+/-0.152 χ^2/NDF:12433.2/58

All: -55.147+/-0.108 χ^2/NDF: 19948.9/115



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: 3.791+/-0.333 χ^2/NDF: 208.0/34

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

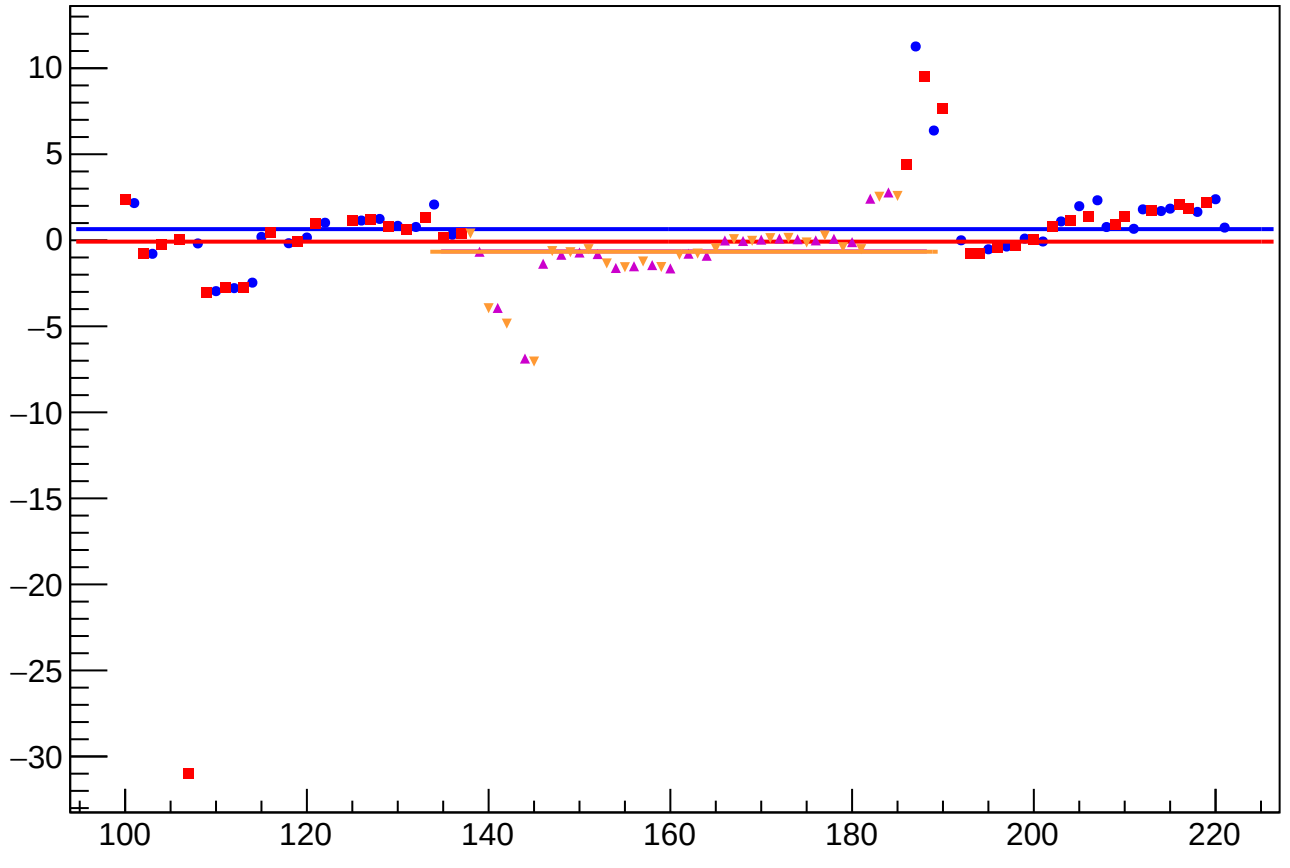
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.677+/-0.231 χ^2/NDF: 524.3/68

In: -0.439+/-0.151 χ^2/NDF:1632.7/56

Out: -0.601+/-0.150 χ^2/NDF:1832.6/58

All: -0.521+/-0.106 χ^2/NDF: 3465.9/115



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: -0.080+/-0.017 χ^2/NDF: 61787.0/34

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

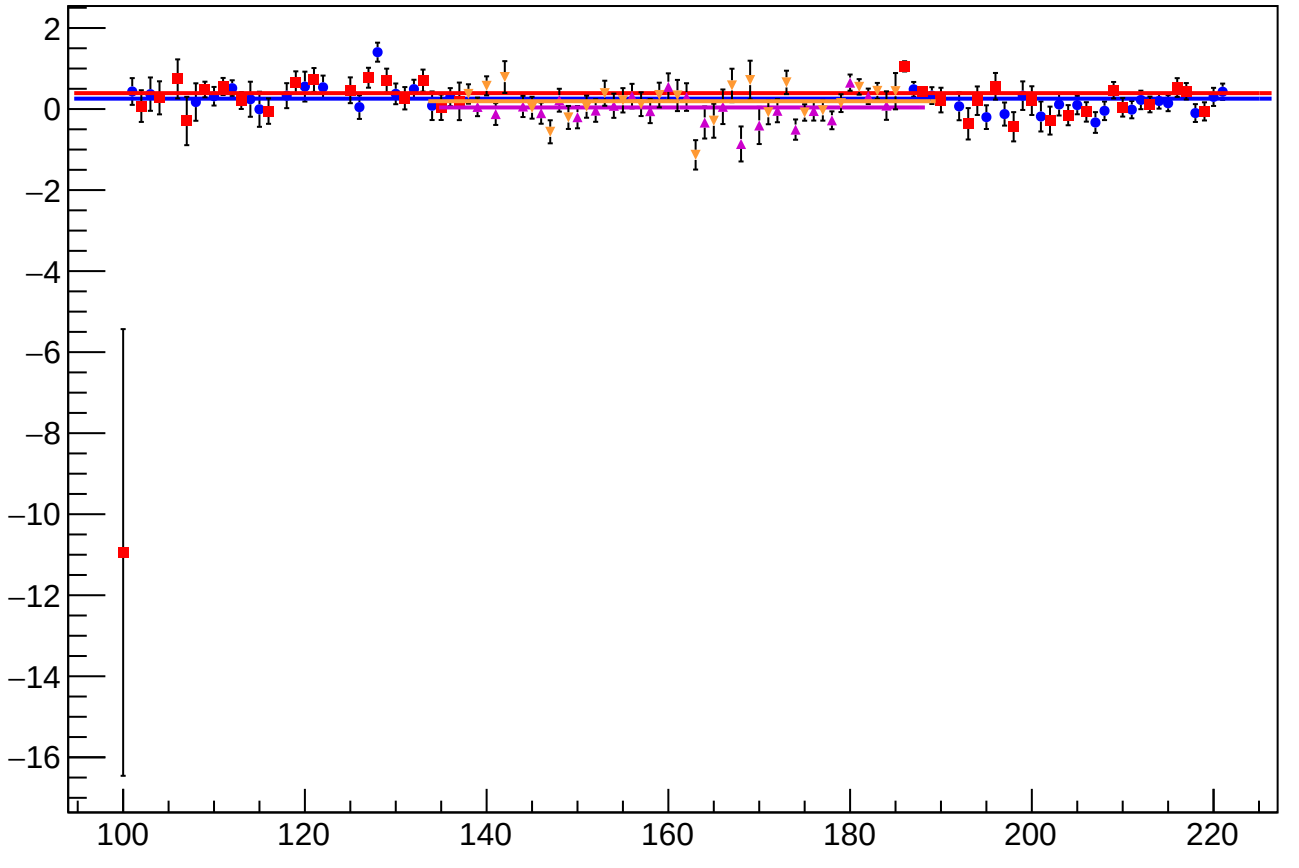
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.298+/-0.012 χ^2/NDF: 73463.3/68

In: -0.418+/-0.007 χ^2/NDF:61474.9/56

Out: -0.569+/-0.007 χ^2/NDF:118063.9/58

All: -0.493+/-0.005 χ^2/NDF: 179783.2/115



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: 0.392+/-0.041 χ^2/NDF: 78.0/34

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

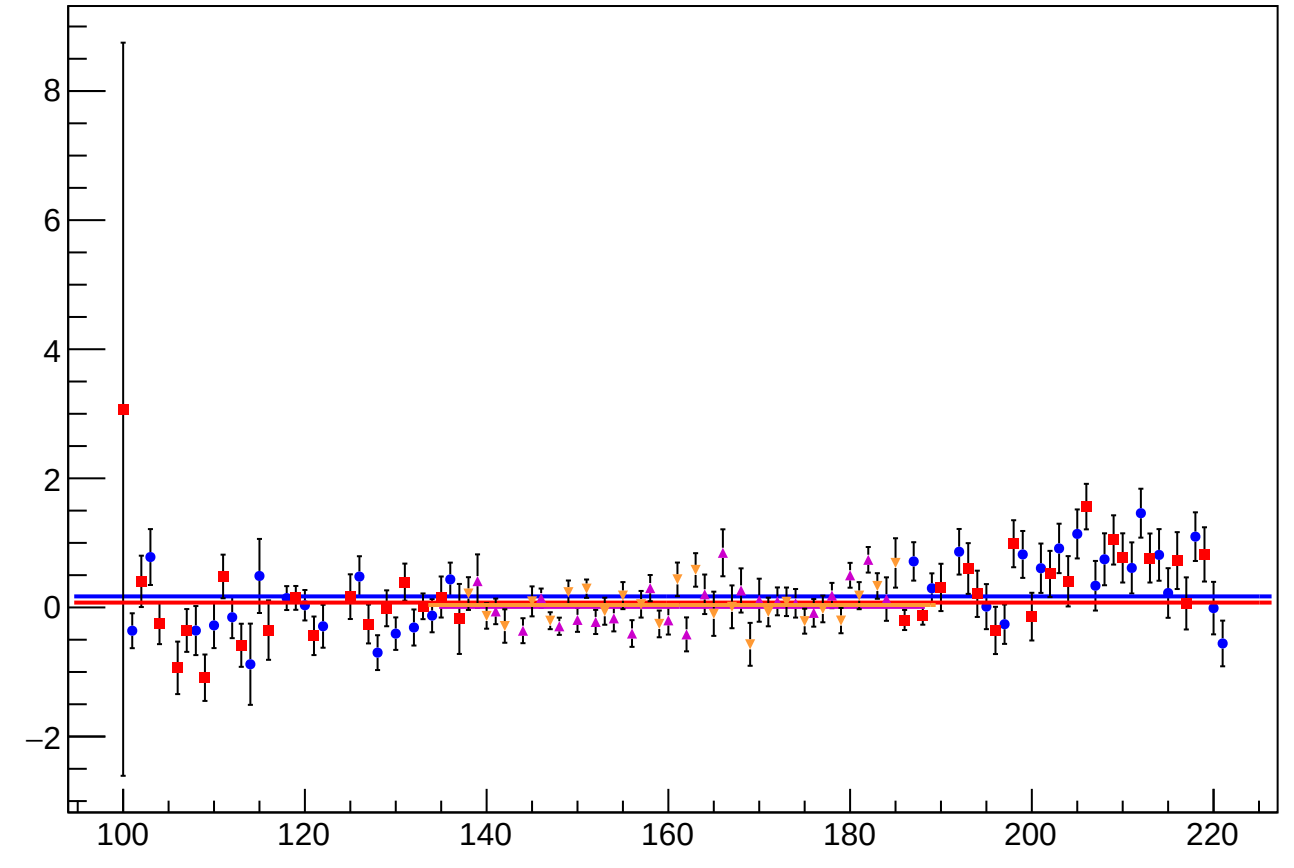
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.328+/-0.030 χ^2/NDF: 134.3/68

In: 0.177+/-0.035 χ^2/NDF:90.6/56

Out: 0.324+/-0.033 χ^2/NDF:130.2/58

All: 0.253+/-0.024 χ^2/NDF: 230.1/115



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: 0.075+/-0.052 χ^2/NDF: 86.2/34

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

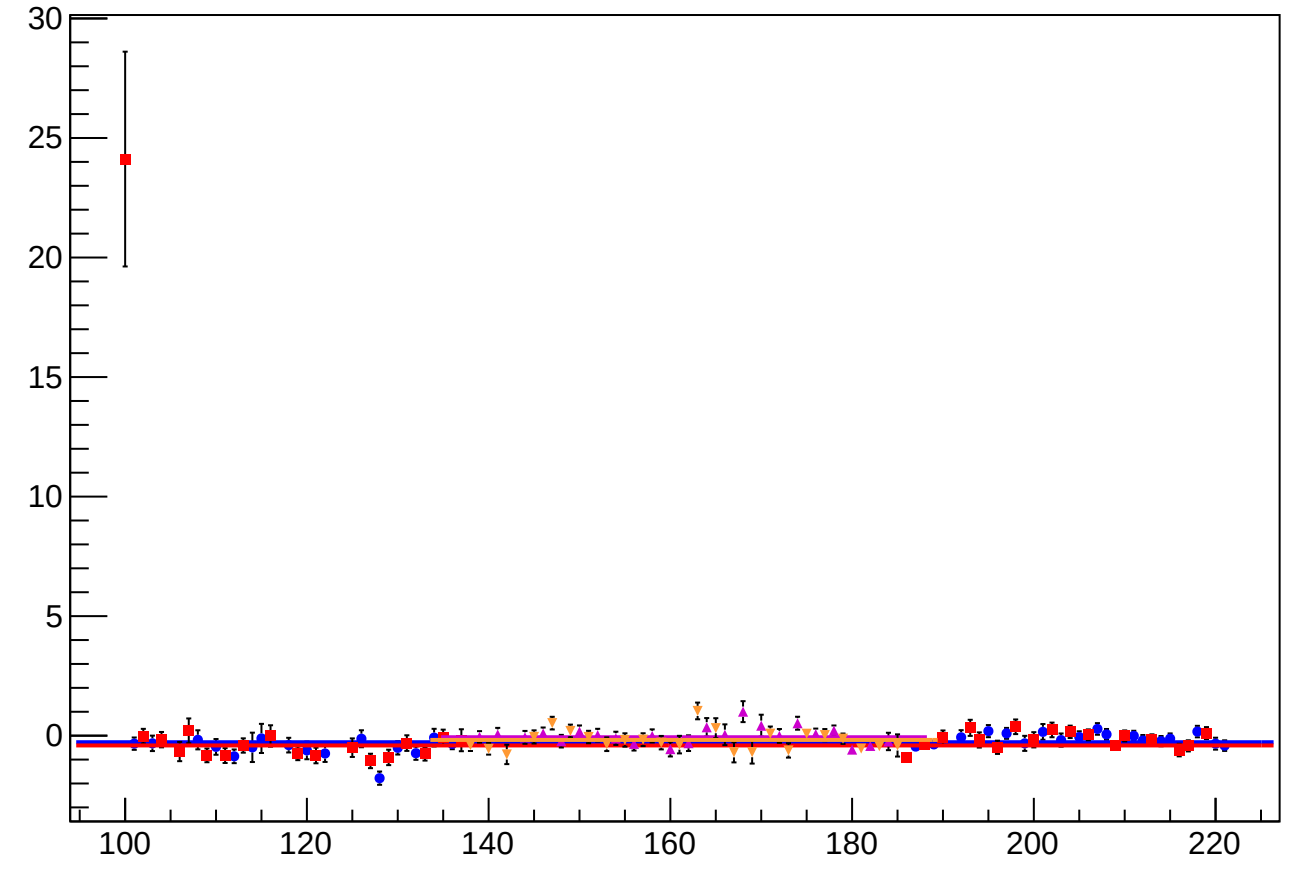
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.120+/-0.038 χ^2/NDF: 178.1/68

In: 0.073+/-0.034 χ^2/NDF:147.0/56

Out: 0.053+/-0.033 χ^2/NDF:119.2/58

All: 0.063+/-0.024 χ^2/NDF: 266.4/115



Right In: -0.274+/-0.045 χ^2/NDF: 65.3/33

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.409+/-0.040 χ^2/NDF: 110.6/34

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

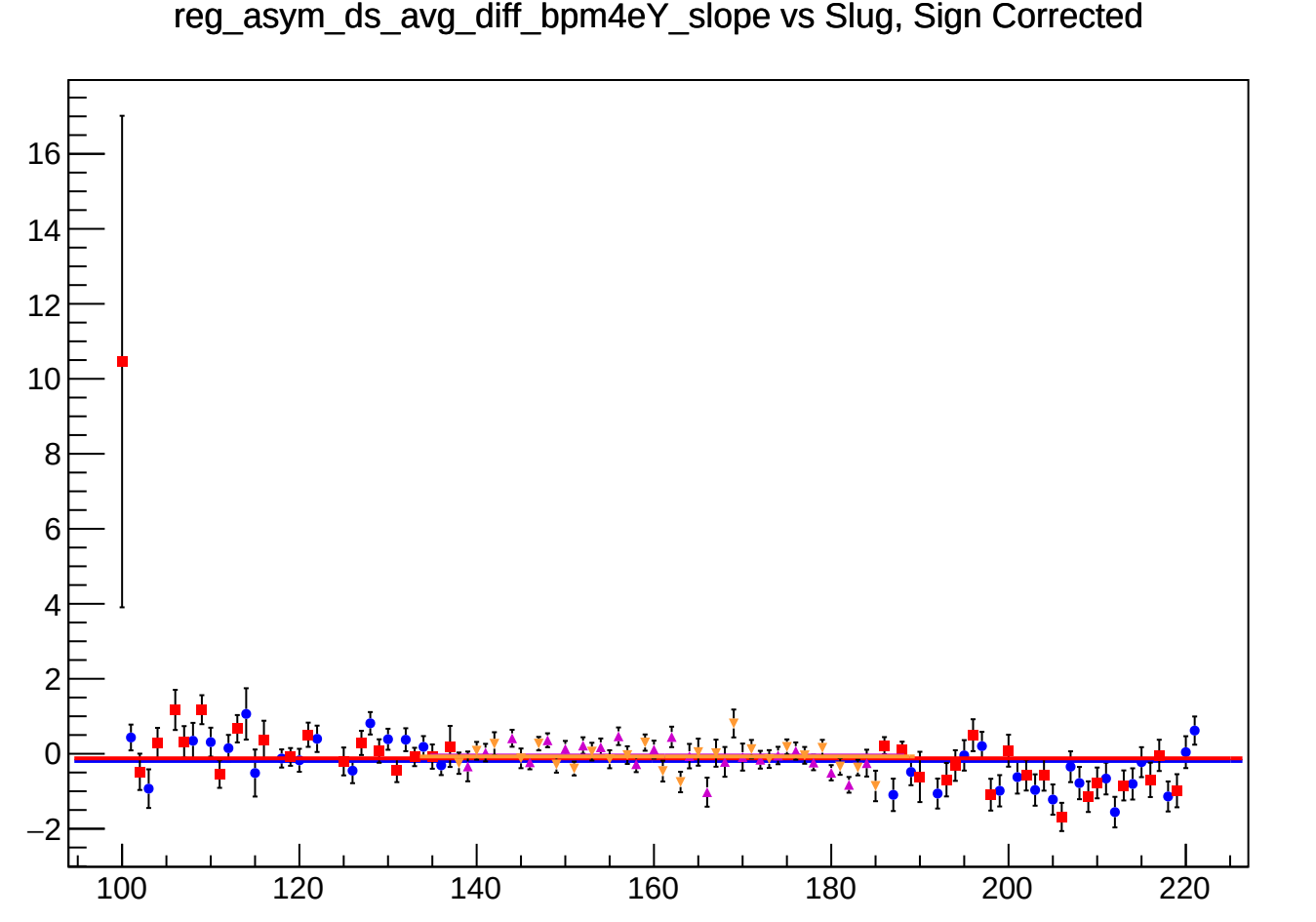
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.348+/-0.030 χ^2/NDF: 180.9/68

In: -0.195+/-0.035 χ^2/NDF:105.0/56

Out: -0.330+/-0.033 χ^2/NDF:163.8/58

All: -0.267+/-0.024 χ^2/NDF: 276.8/115



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: -0.122+/-0.062 χ^2/NDF: 86.8/34

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

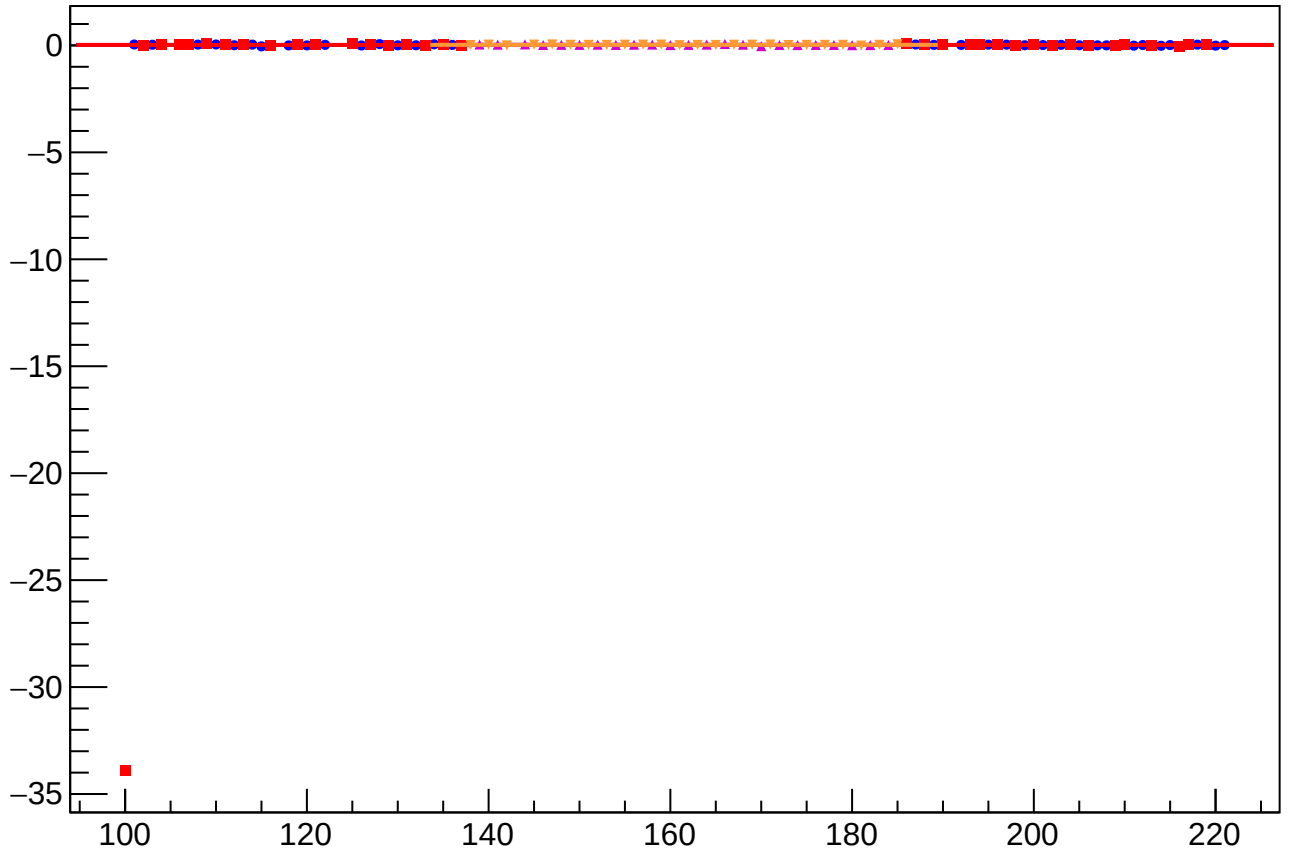
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

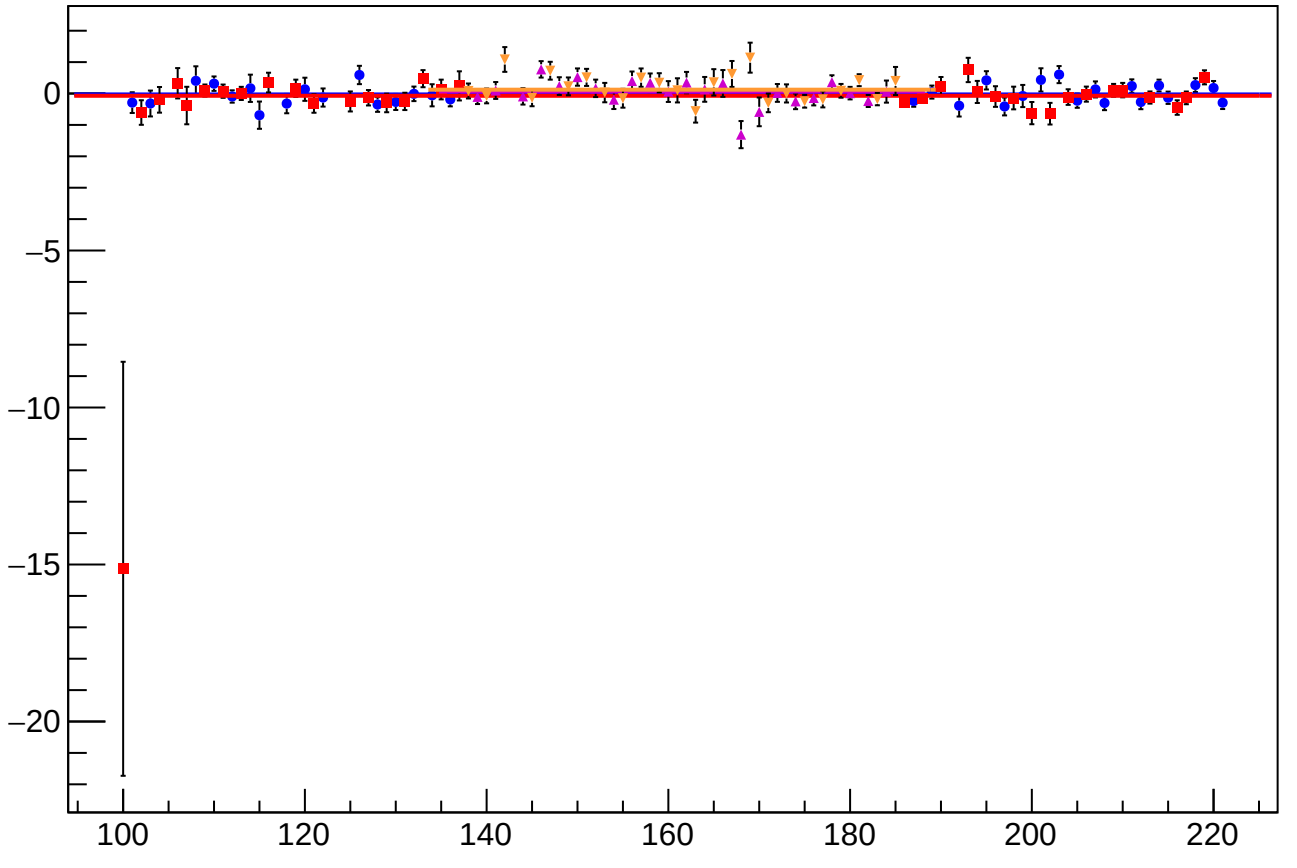
Right: -0.156+/-0.044 χ^2/NDF: 177.4/68

In: -0.103+/-0.039 χ^2/NDF:143.7/56

Out: -0.091+/-0.039 χ^2/NDF:124.9/58

All: -0.097+/-0.028 χ^2/NDF: 268.6/115


reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
120
140
160
180
200
220
Right In: 0.021+/-0.003 χ²/NDF: 32.0/33
Left Out: 0.026+/-0.002 χ²/NDF:31.4/23
Right Out: 0.021+/-0.003 χ²/NDF: 22326.5/34
Left In: 0.026+/-0.002 χ²/NDF:39.5/22
Left: 0.026+/-0.002 χ²/NDF: 70.9/46
Right: 0.021+/-0.002 χ²/NDF: 22358.5/68
In: 0.024+/-0.002 χ²/NDF:73.4/56
Out: 0.024+/-0.002 χ²/NDF:22359.9/58
All: 0.024+/-0.001 χ²/NDF: 22433.3/115



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: -0.072+/-0.041 χ^2/NDF: 44.8/34

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

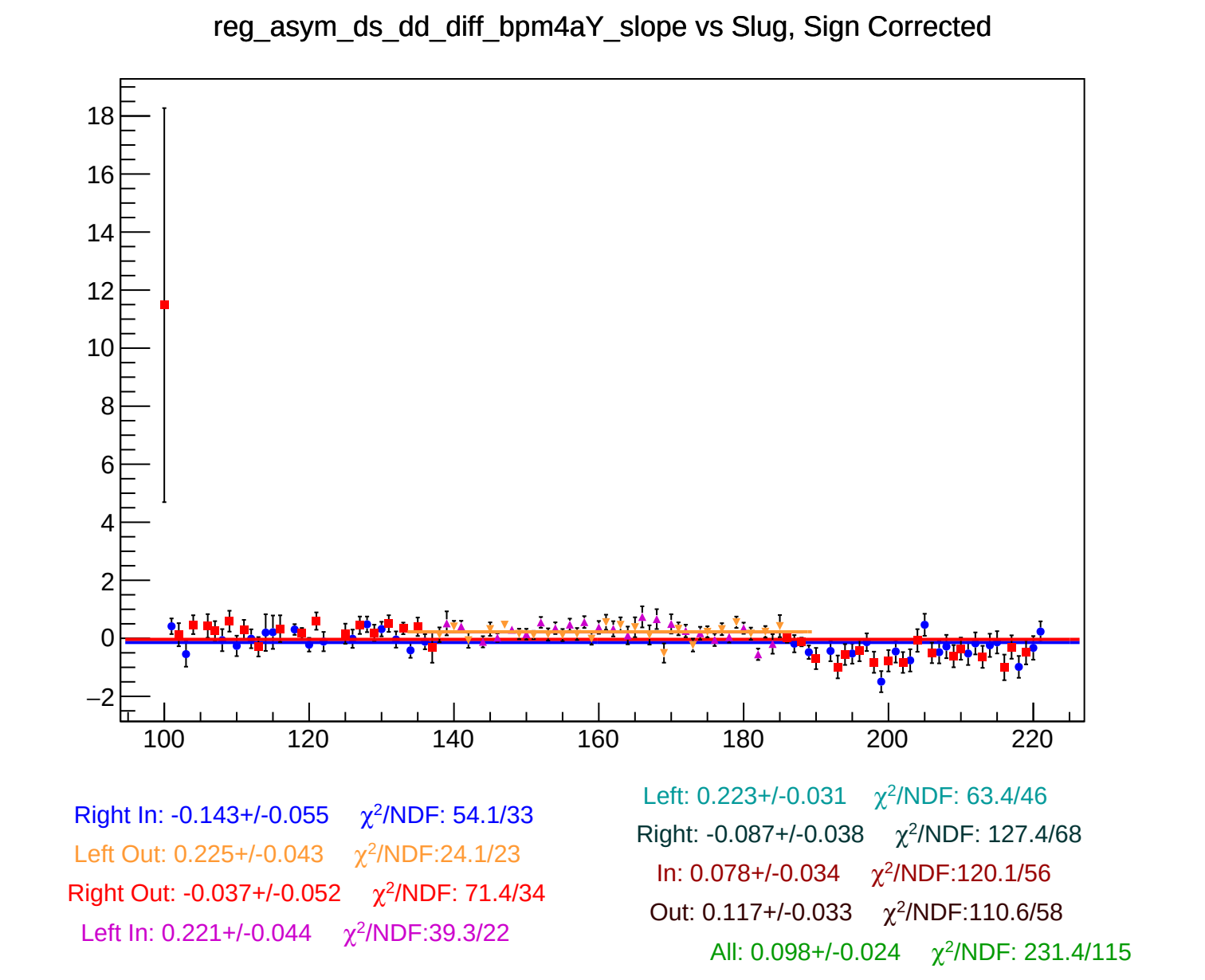
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

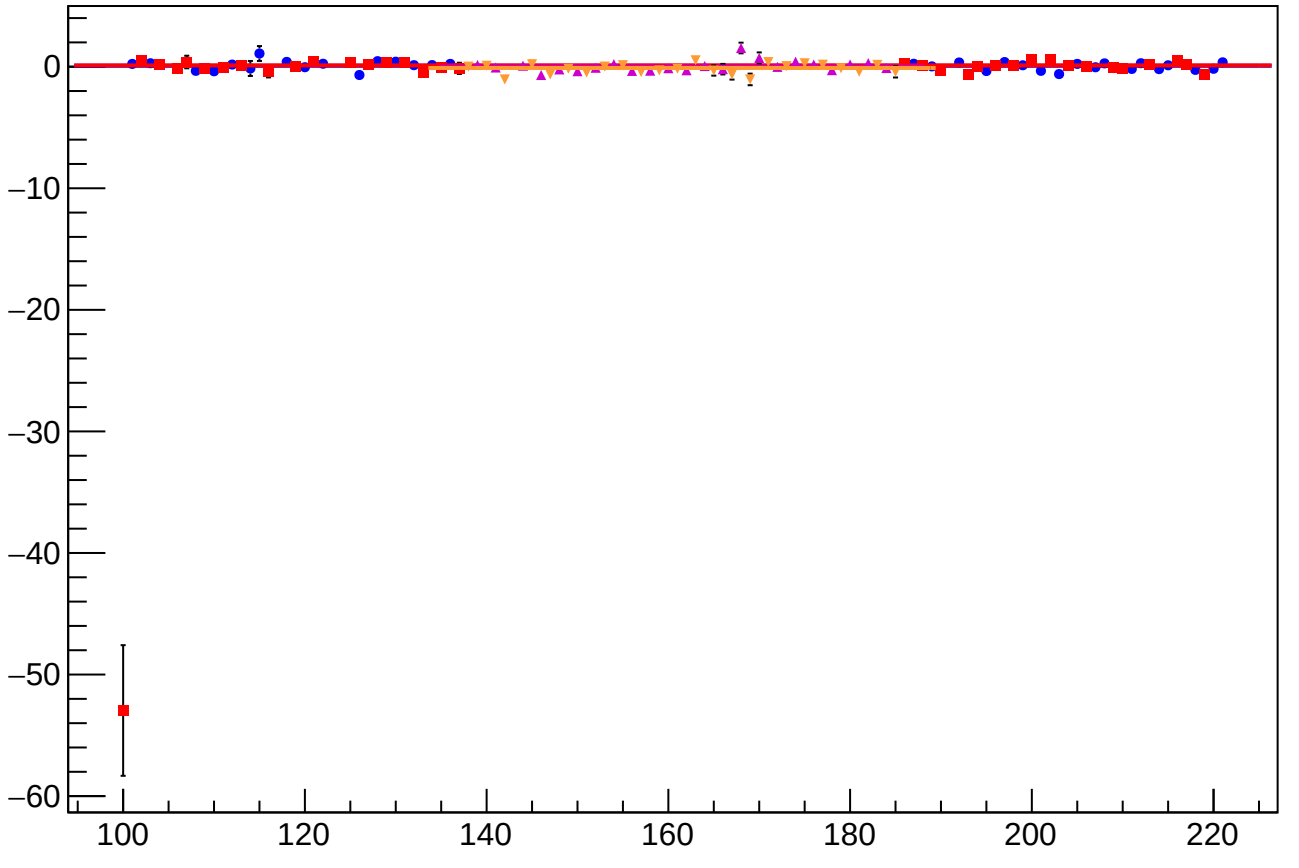
Right: -0.052+/-0.030 χ^2/NDF: 87.1/68

In: 0.004+/-0.035 χ^2/NDF:77.6/56

Out: -0.005+/-0.033 χ^2/NDF:92.1/58

All: -0.000+/-0.024 χ^2/NDF: 169.7/115


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.143+/-0.055 χ²/NDF: 54.1/33
Left Out: 0.225+/-0.043 χ²/NDF:24.1/23
Right Out: -0.037+/-0.052 χ²/NDF: 71.4/34
Left In: 0.221+/-0.044 χ²/NDF:39.3/22
Left: 0.223+/-0.031 χ²/NDF: 63.4/46
Right: -0.087+/-0.038 χ²/NDF: 127.4/68
In: 0.078+/-0.034 χ²/NDF:120.1/56
Out: 0.117+/-0.033 χ²/NDF:110.6/58
All: 0.098+/-0.024 χ²/NDF: 231.4/115



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: 0.107+/-0.040 χ^2/NDF: 135.5/34

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

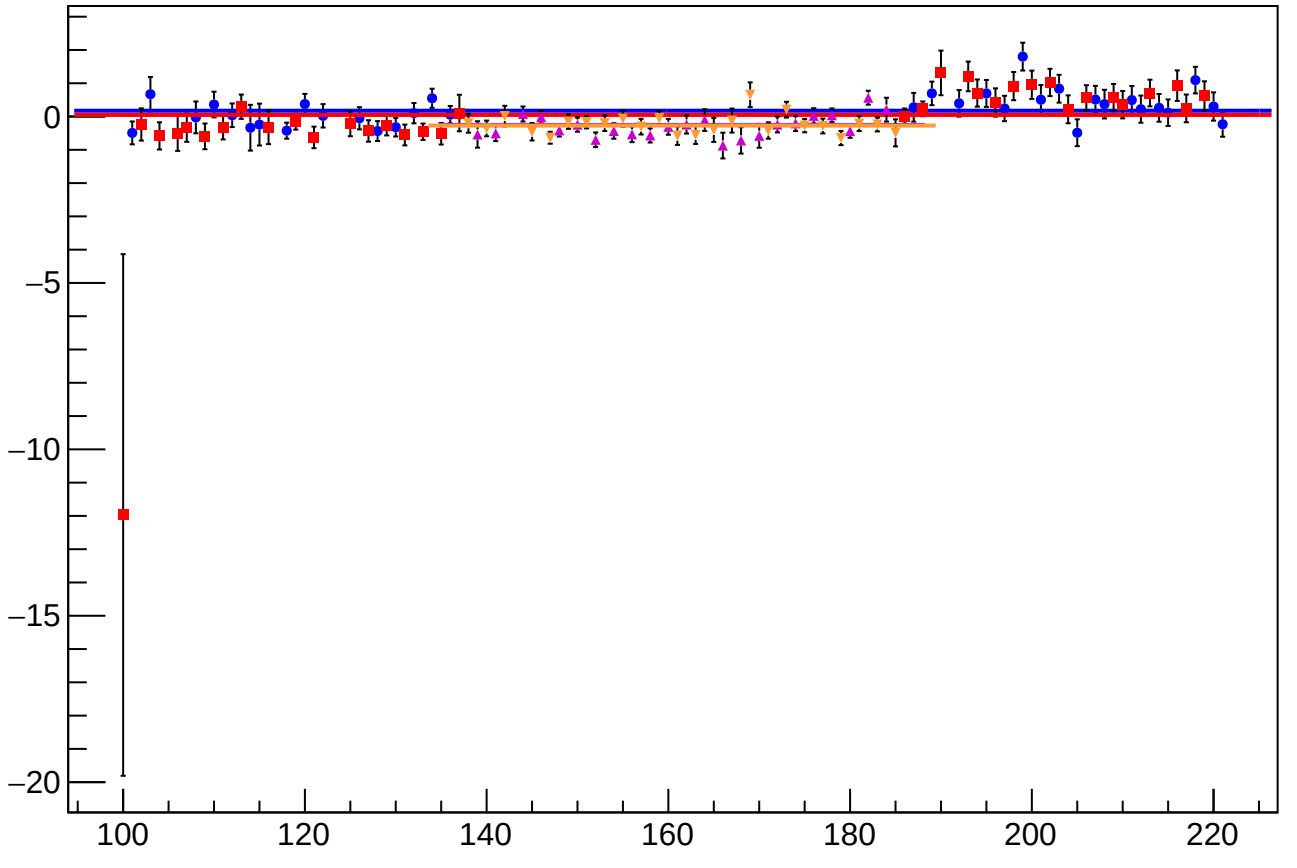
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.095+/-0.030 χ^2/NDF: 176.7/68

In: 0.046+/-0.035 χ^2/NDF:80.5/56

Out: 0.035+/-0.033 χ^2/NDF:182.4/58

All: 0.040+/-0.024 χ^2/NDF: 263.0/115



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: 0.048+/-0.062 χ^2/NDF: 72.7/34

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

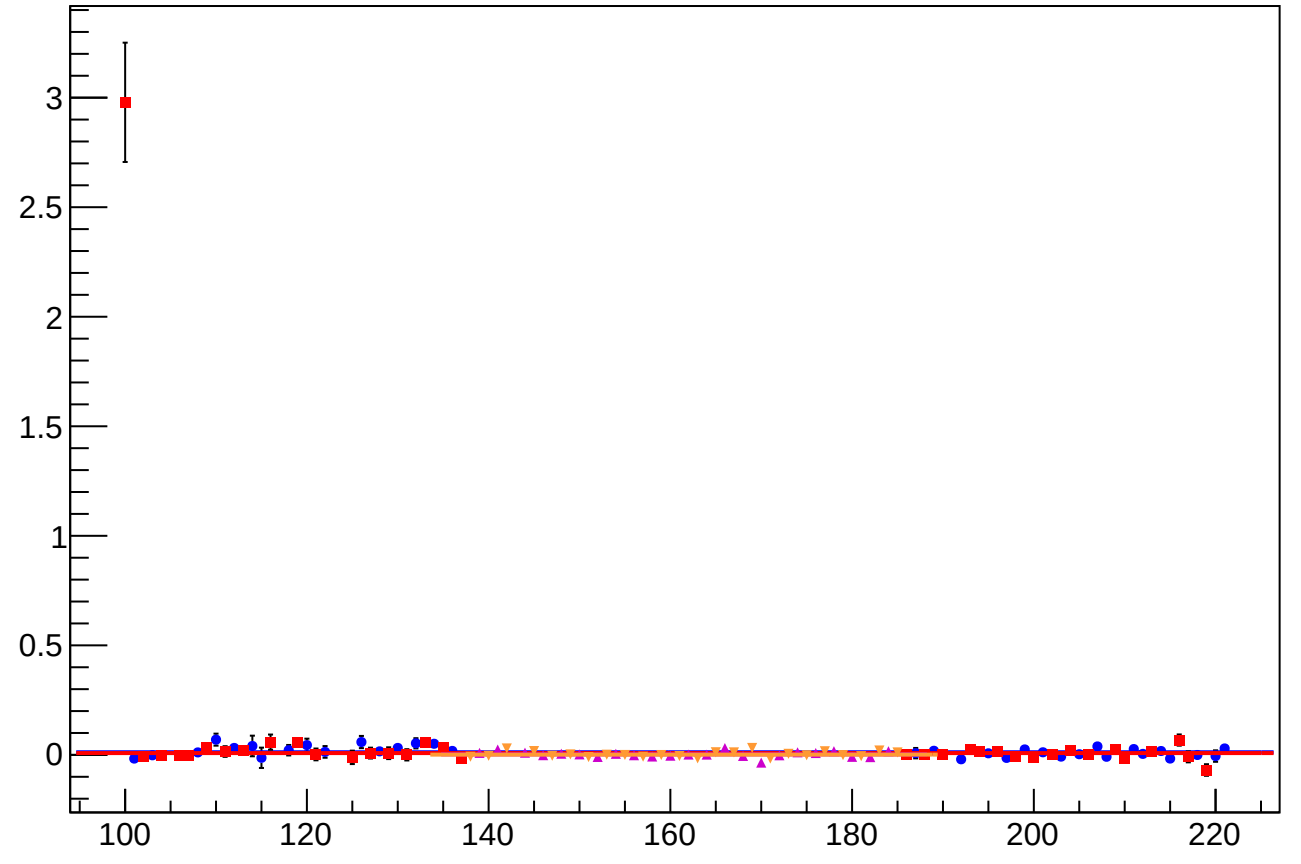
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.110+/-0.044 χ^2/NDF: 130.7/68

In: -0.088+/-0.039 χ^2/NDF:124.8/56

Out: -0.148+/-0.039 χ^2/NDF:113.9/58

All: -0.118+/-0.028 χ^2/NDF: 239.8/115



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: 166.8/34

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

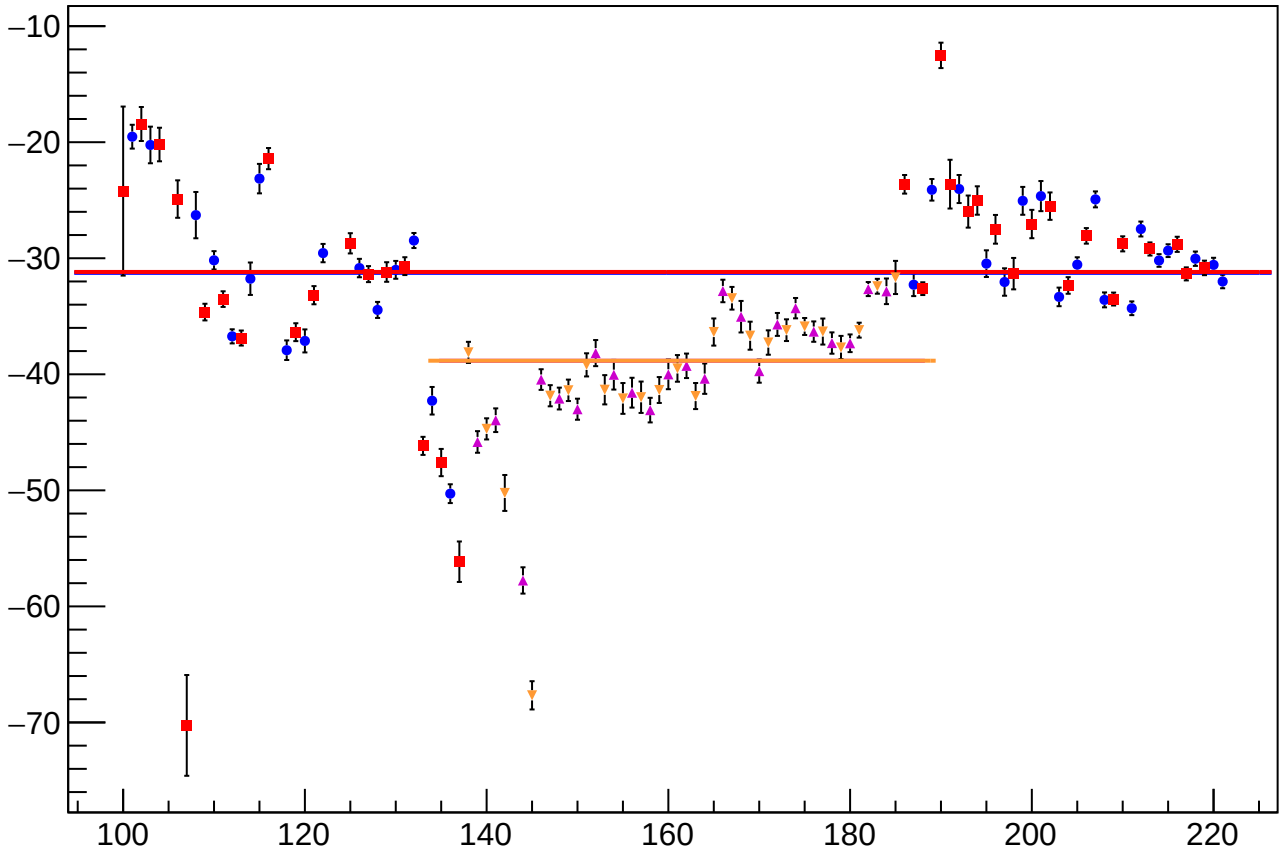
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.010+/-0.002 χ^2/NDF: 215.9/68

In: 0.006+/-0.002 χ^2/NDF:79.7/56

Out: 0.004+/-0.002 χ^2/NDF:197.1/58

All: 0.005+/-0.001 χ^2/NDF: 277.5/115



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: -31.180+/-0.138 χ^2/NDF: 1852.6/35

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

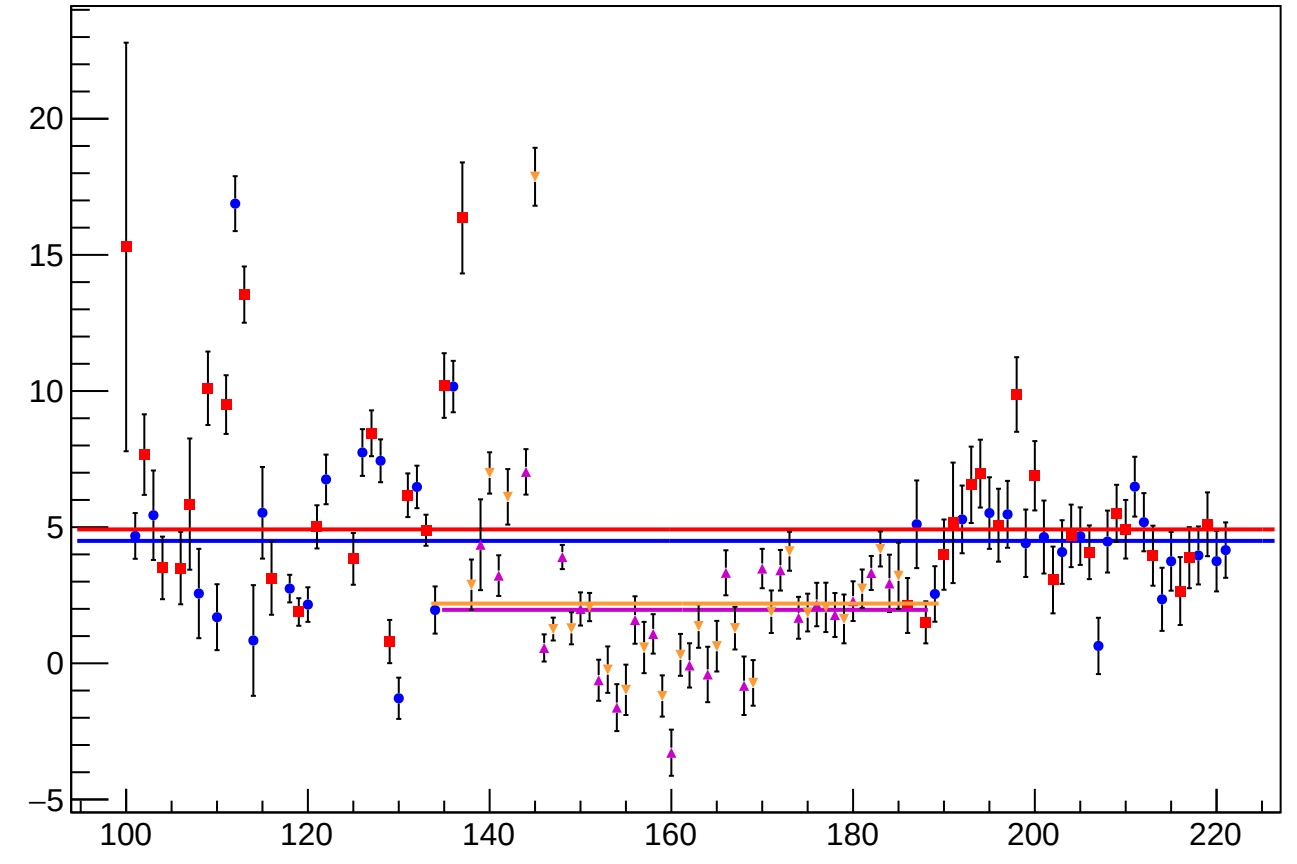
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.220+/-0.096 χ^2/NDF: 3281.0/69

In: -33.559+/-0.112 χ^2/NDF:3048.6/56

Out: -33.620+/-0.114 χ^2/NDF:3745.6/59

All: -33.589+/-0.080 χ^2/NDF: 6794.3/116



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: 4.918+/-0.173 χ^2/NDF: 303.5/35

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

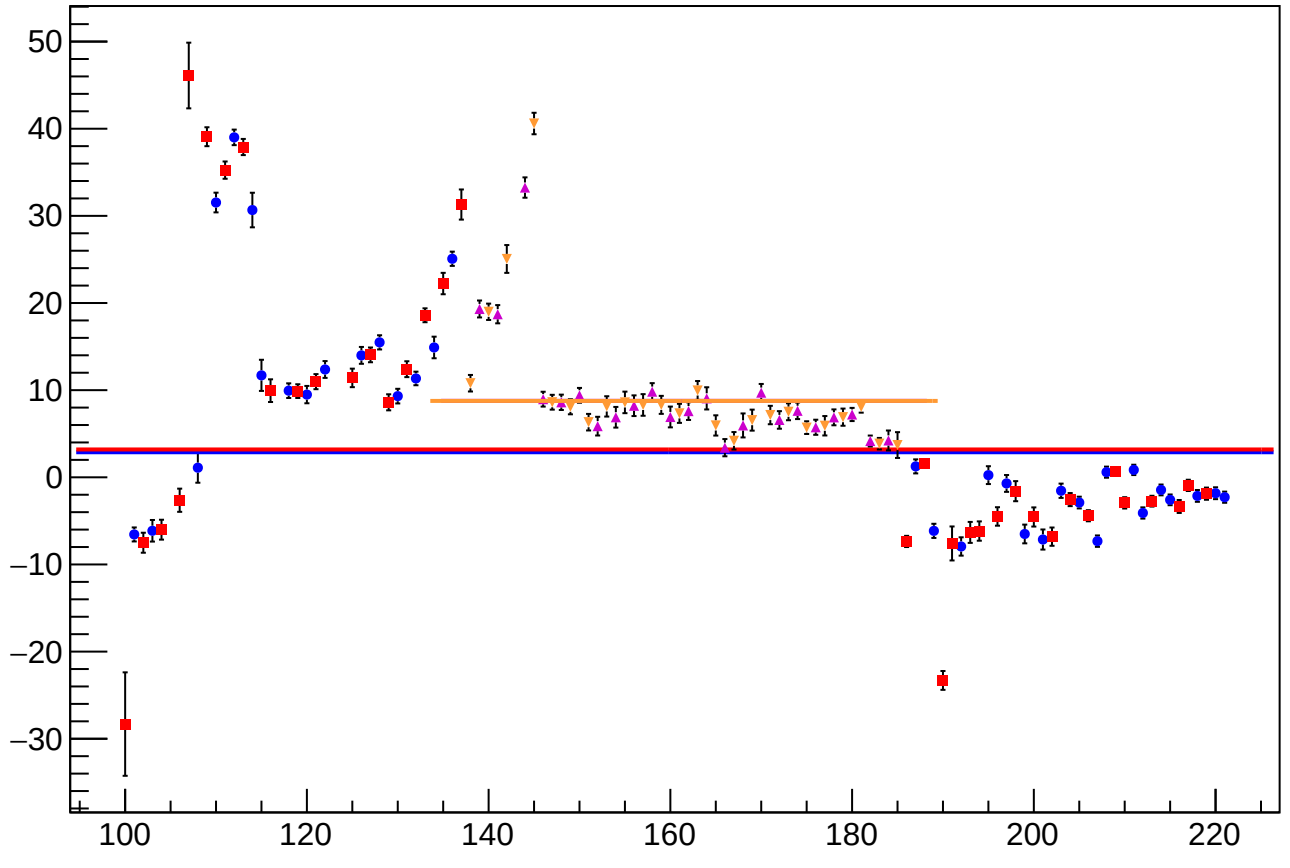
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.704+/-0.121 χ^2/NDF: 665.3/69

In: 3.111+/-0.114 χ^2/NDF:653.3/56

Out: 3.386+/-0.114 χ^2/NDF:808.7/59

All: 3.249+/-0.081 χ^2/NDF: 1464.9/116



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: 3.195+/-0.144 χ^2/NDF: 7118.7/35

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

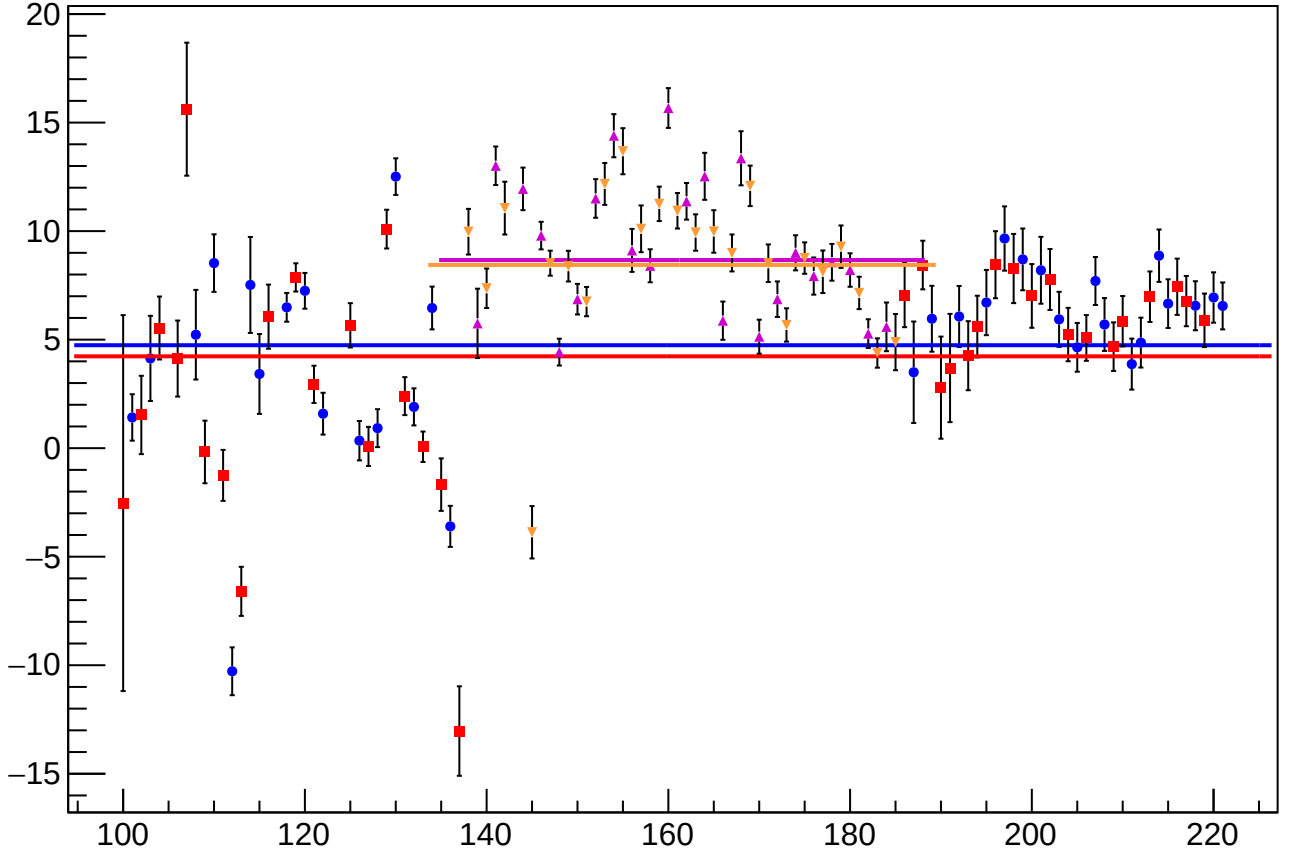
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

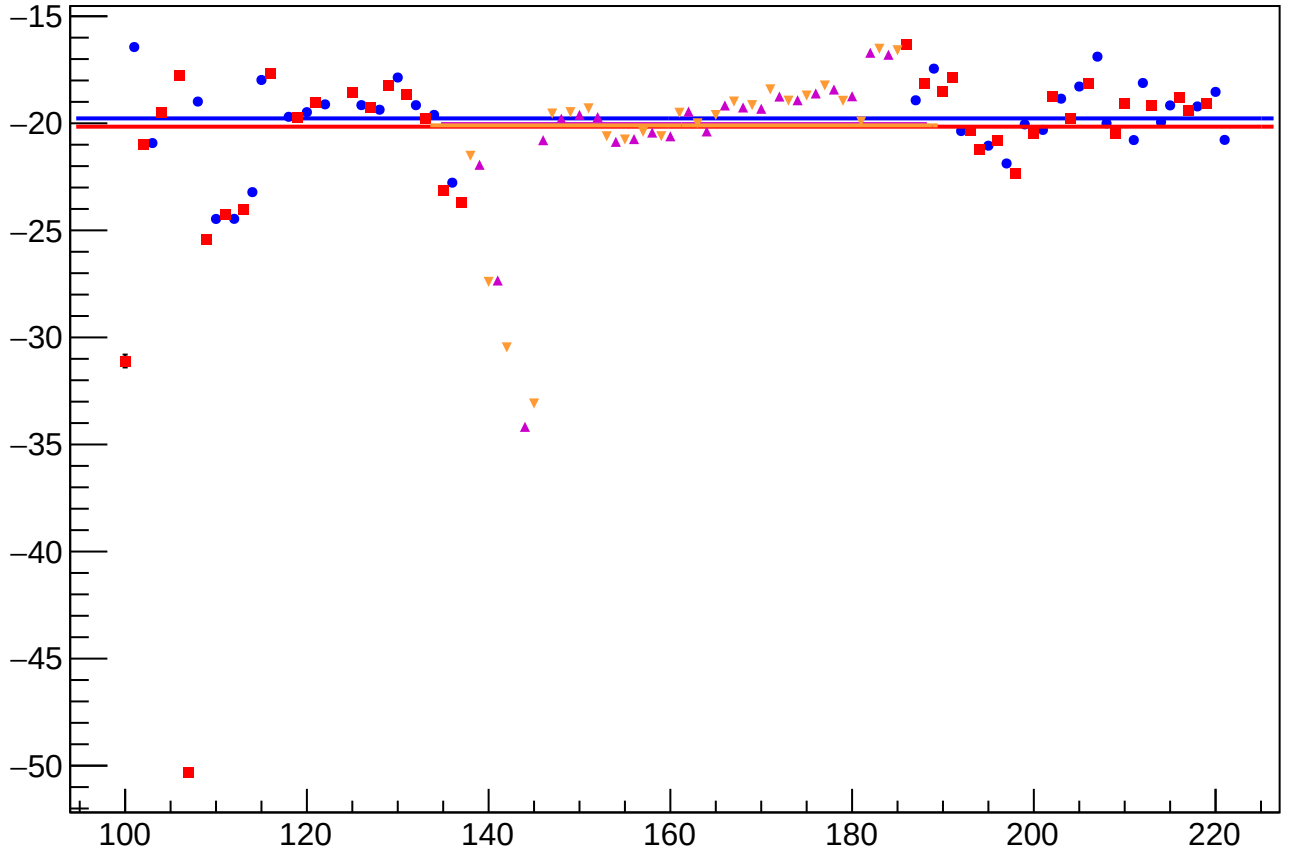
Right: 3.033+/-0.101 χ^2/NDF: 12595.7/69

In: 4.829+/-0.116 χ^2/NDF:6842.7/56

Out: 5.096+/-0.117 χ^2/NDF:8662.7/59

All: 4.961+/-0.082 χ^2/NDF: 15508.1/116


reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
220
Right In: 4.743+/-0.193 χ²/NDF: 512.6/33
Left Out: 8.442+/-0.174 χ²/NDF:264.2/23
Right Out: 4.231+/-0.199 χ²/NDF: 440.2/35
Left In: 8.666+/-0.176 χ²/NDF:304.8/22
Left: 8.553+/-0.123 χ²/NDF: 569.8/46
Right: 4.494+/-0.139 χ²/NDF: 956.2/69
In: 6.893+/-0.130 χ²/NDF:1042.8/56
Out: 6.624+/-0.131 χ²/NDF:958.7/59
All: 6.759+/-0.092 χ²/NDF: 2003.7/116



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: -20.157+/-0.010 χ^2/NDF: 73099.3/35

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

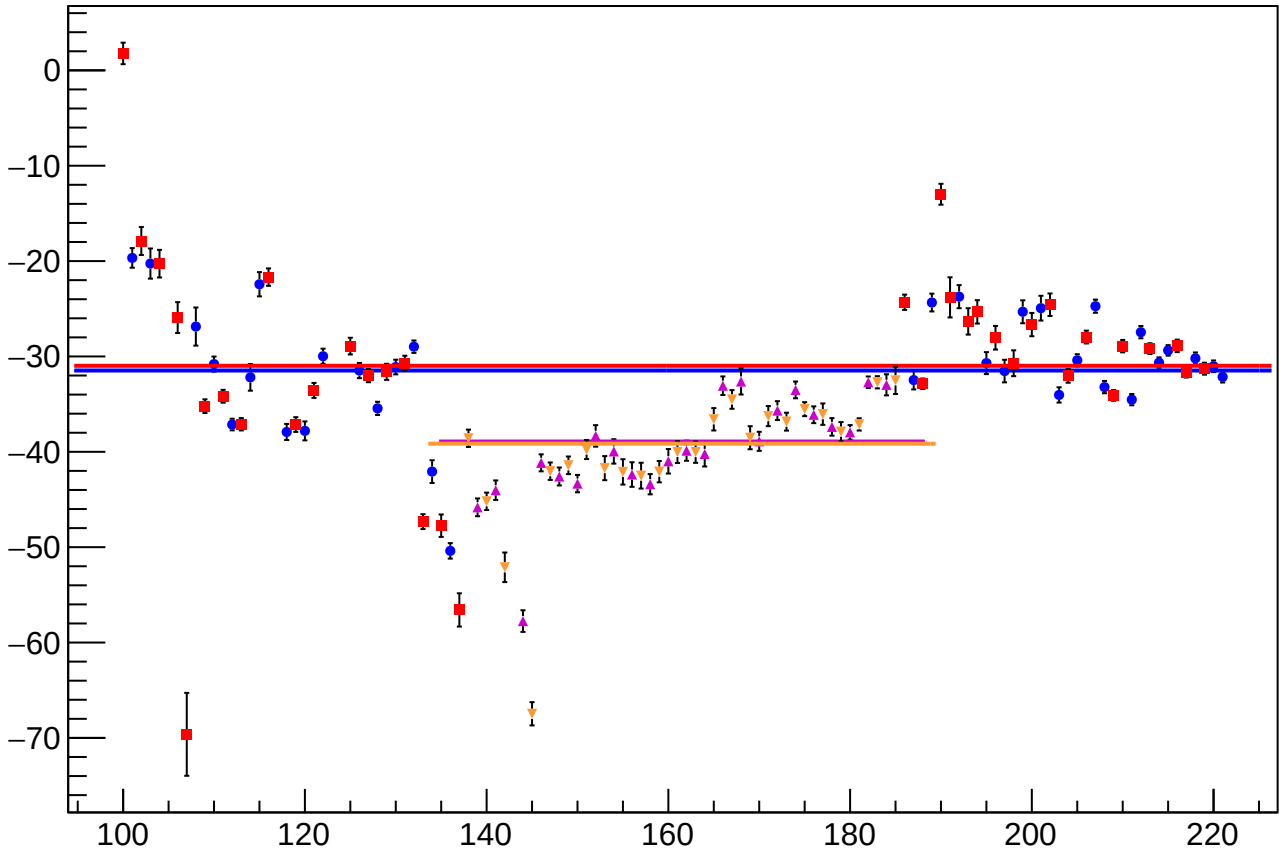
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -19.962+/-0.007 χ^2/NDF: 106988.0/69

In: -19.932+/-0.006 χ^2/NDF:165859.7/56

Out: -20.120+/-0.006 χ^2/NDF:232415.9/59

All: -20.025+/-0.004 χ^2/NDF: 398738.5/116



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: -30.979+/-0.137 χ^2/NDF: 2782.2/35

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

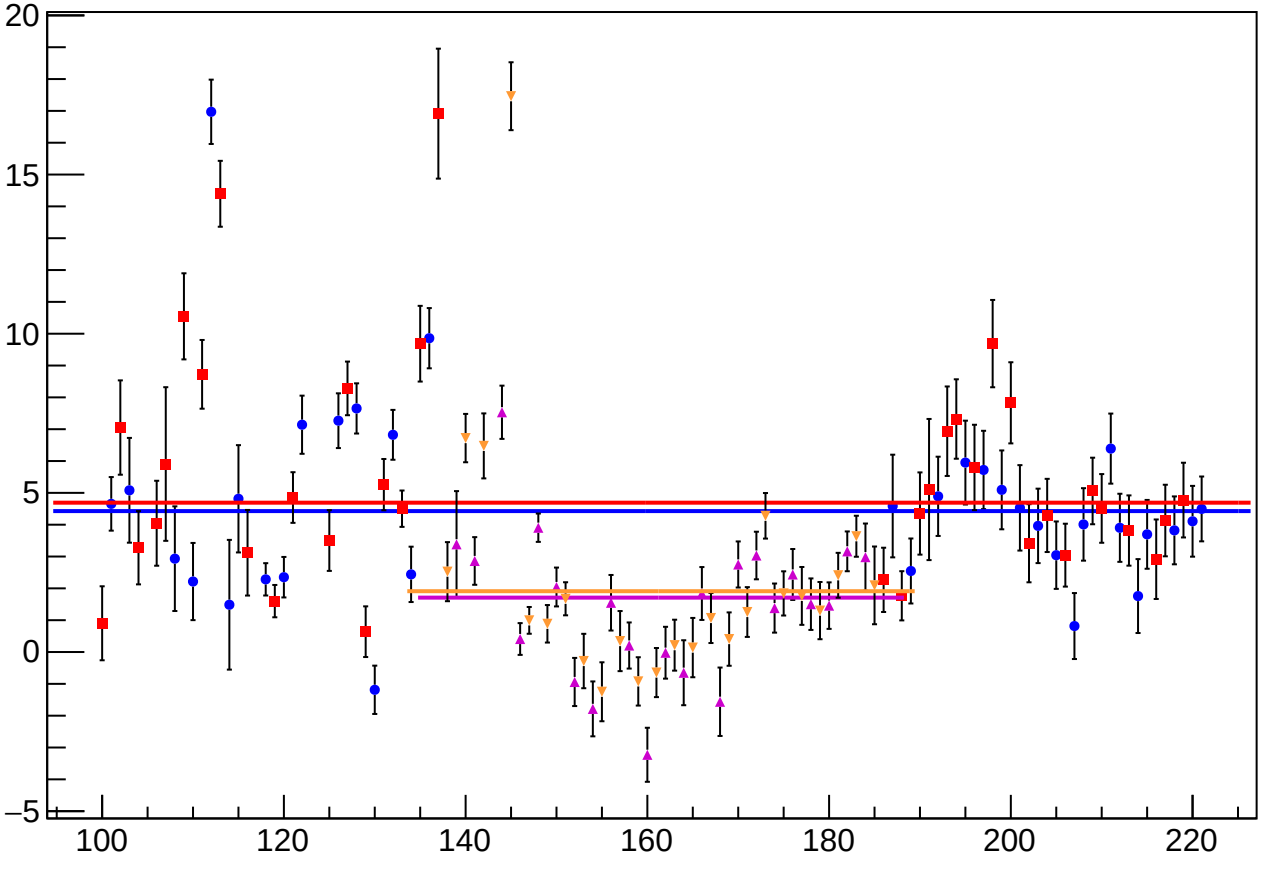
Right: -31.232+/-0.096 χ^2/NDF: 4242.9/69

In: -33.736+/-0.112 χ^2/NDF:3068.3/56

Out: -33.558+/-0.114 χ^2/NDF:4795.2/59

All: -33.648+/-0.080 χ^2/NDF: 7864.7/116

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: 4.692+/-0.171 χ^2/NDF: 328.2/35

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

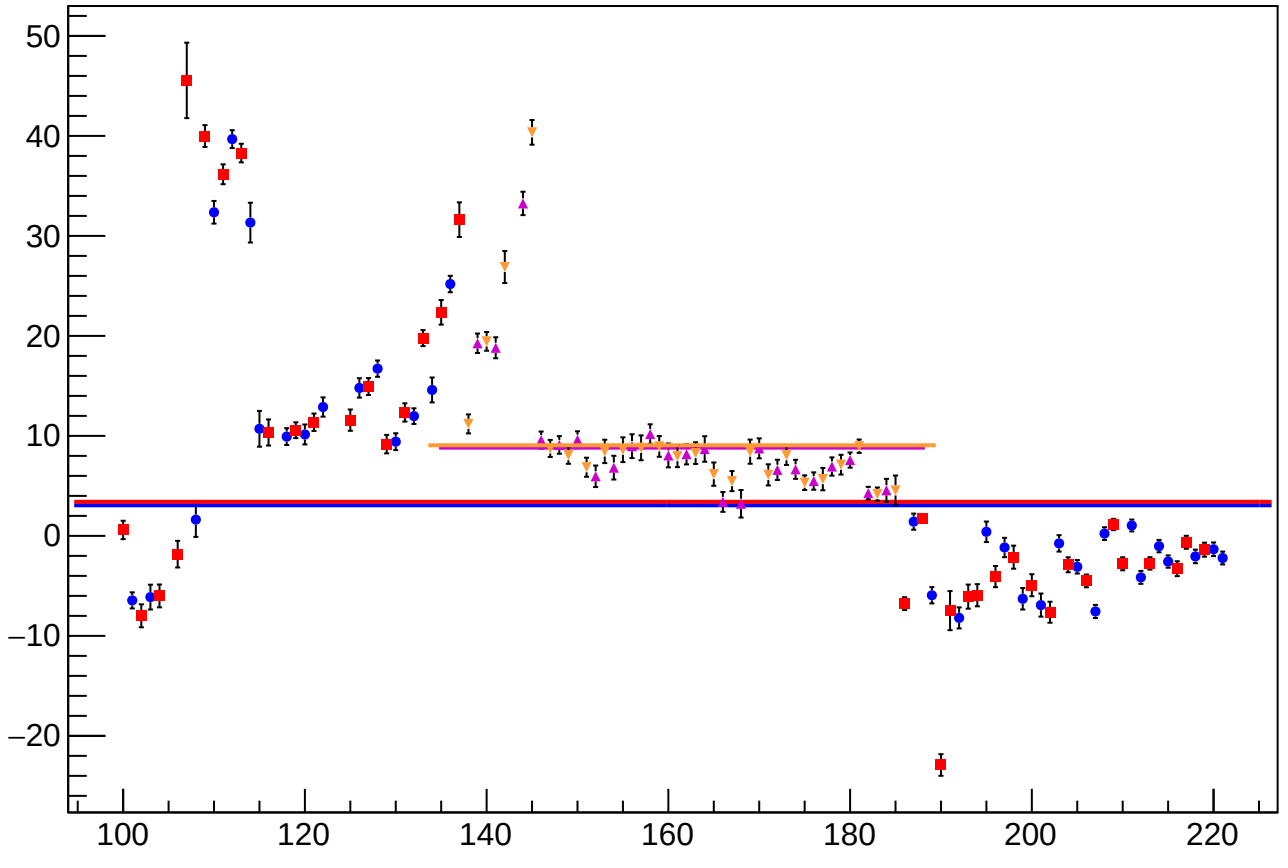
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.559+/-0.121 χ^2/NDF: 687.2/69

In: 2.940+/-0.115 χ^2/NDF:679.7/56

Out: 3.142+/-0.114 χ^2/NDF:834.8/59

All: 3.042+/-0.081 χ^2/NDF: 1516.1/116



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: 3.408+/-0.143 χ^2/NDF: 7294.6/35

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

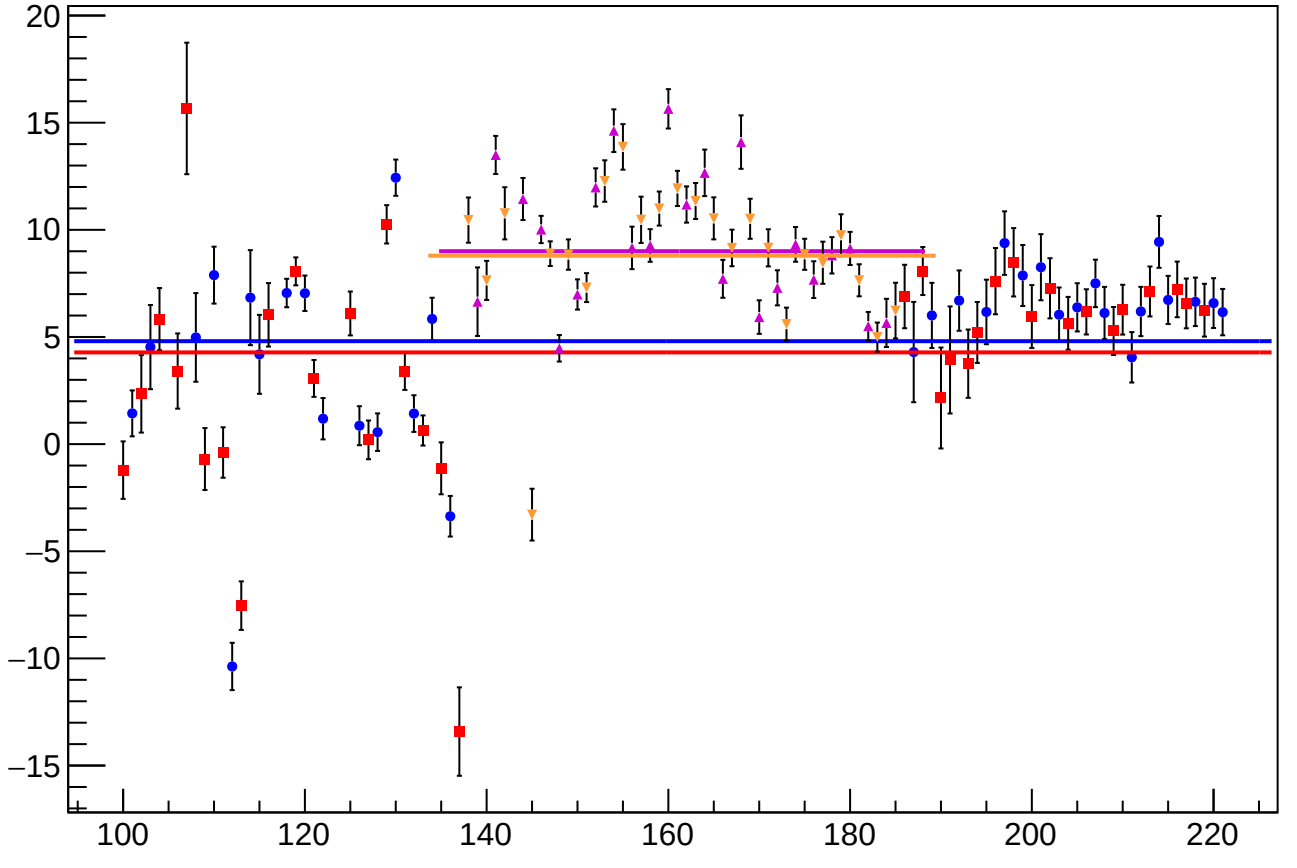
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 3.233+/-0.101 χ^2/NDF: 12943.5/69

In: 4.969+/-0.116 χ^2/NDF:6993.1/56

Out: 5.306+/-0.116 χ^2/NDF:8854.3/59

All: 5.137+/-0.082 χ^2/NDF: 15851.7/116



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: 4.280+/-0.197 χ^2/NDF: 455.2/35

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

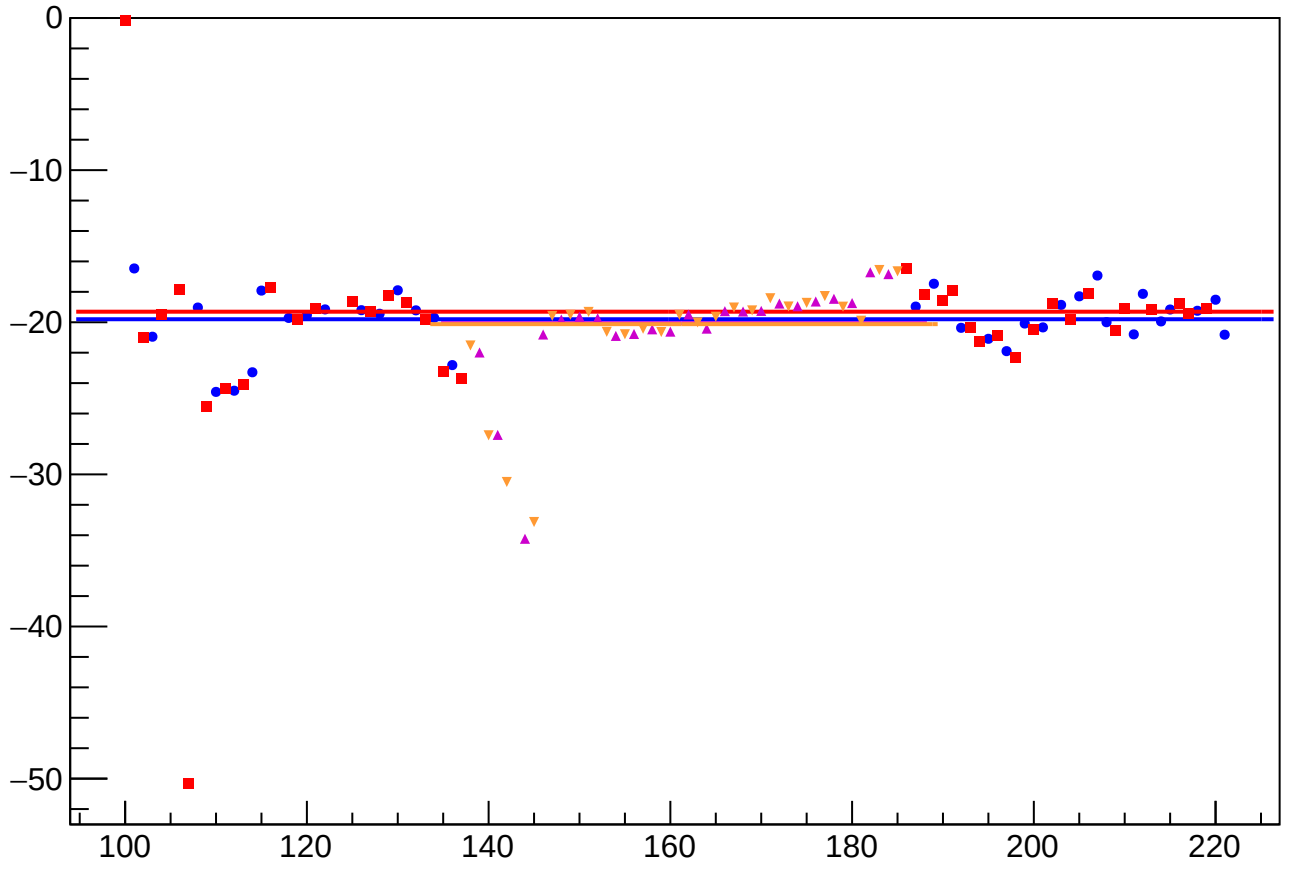
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.547+/-0.138 χ^2/NDF: 970.4/69

In: 7.105+/-0.130 χ^2/NDF:1058.6/56

Out: 6.821+/-0.130 χ^2/NDF:993.7/59

All: 6.963+/-0.092 χ^2/NDF: 2054.7/116



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: -19.306+/-0.010 χ^2/NDF: 248164.3/35

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

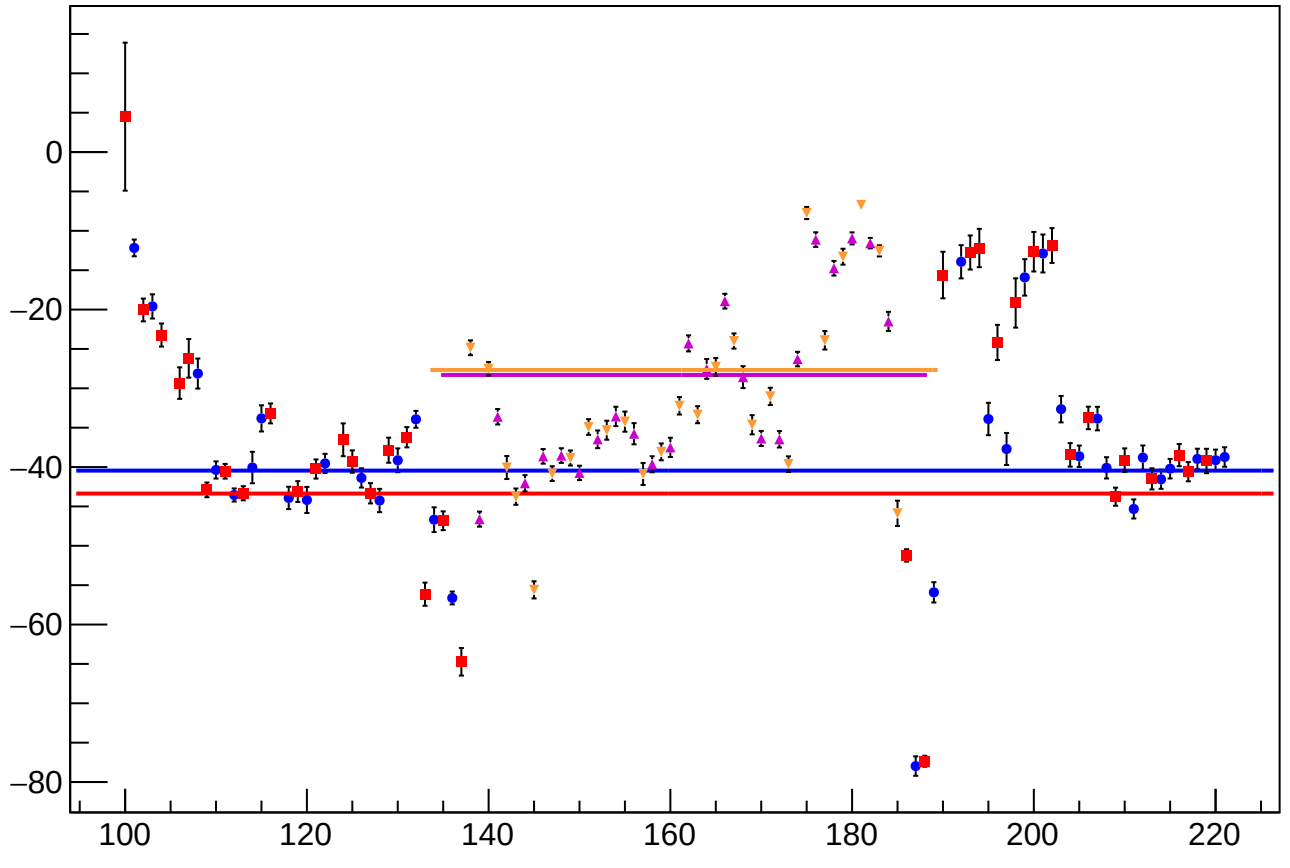
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.552+/-0.007 χ^2/NDF: 282626.7/69

In: -19.960+/-0.006 χ^2/NDF:166292.0/56

Out: -19.796+/-0.006 χ^2/NDF:410987.4/59

All: -19.878+/-0.004 χ^2/NDF: 577632.7/116



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: -43.366+/-0.225 χ^2/NDF: 4464.5/35

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

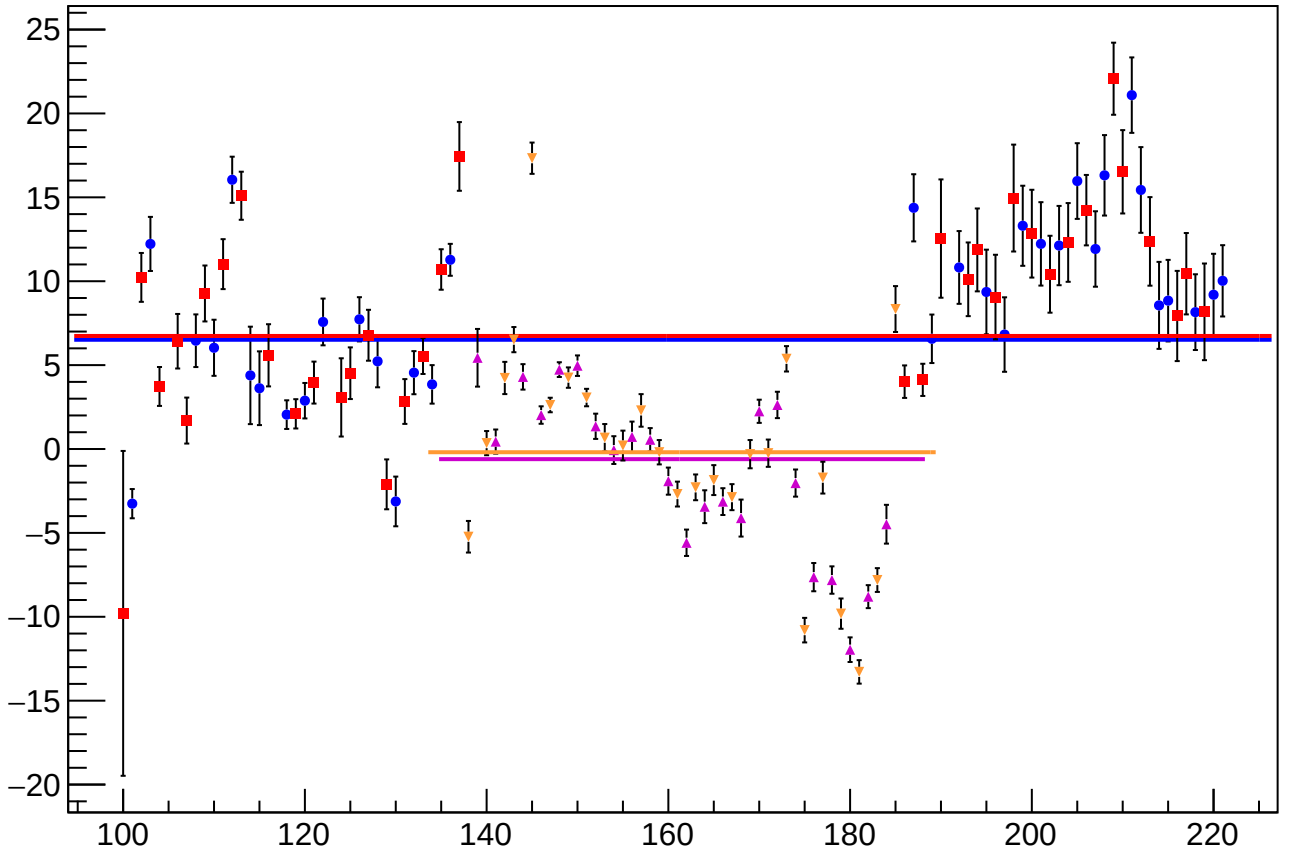
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -41.944+/-0.161 χ^2/NDF: 7518.7/69

In: -33.686+/-0.154 χ^2/NDF:7790.5/56

Out: -34.613+/-0.150 χ^2/NDF:11574.3/60

All: -34.161+/-0.107 χ^2/NDF: 19383.4/117



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: 6.738+/-0.266 χ^2/NDF: 327.5/35

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

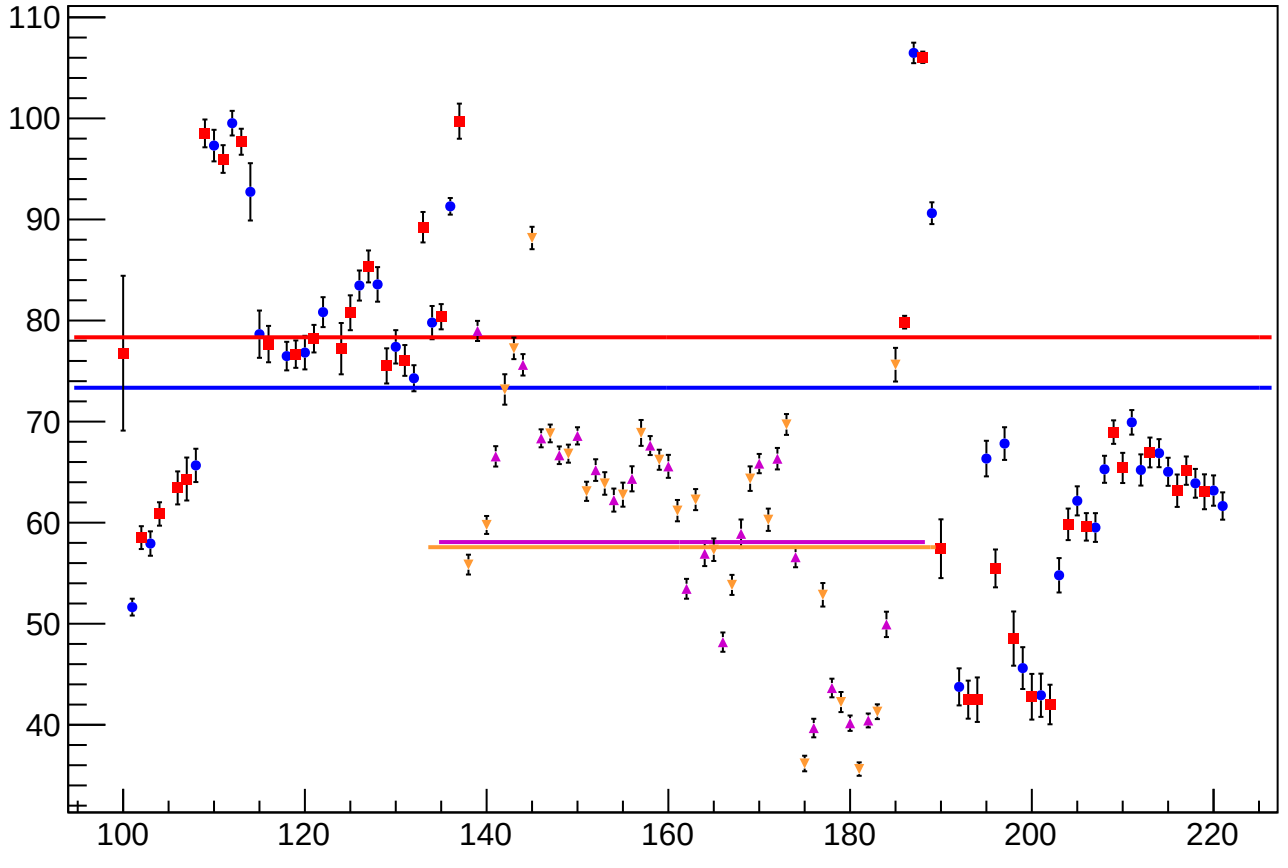
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.626+/-0.190 χ^2/NDF: 772.9/69

In: 1.156+/-0.135 χ^2/NDF:1940.2/56

Out: 1.478+/-0.131 χ^2/NDF:2386.4/60

All: 1.321+/-0.094 χ^2/NDF: 4329.6/117



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: 78.342+/-0.227 χ^2/NDF: 6301.7/35

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

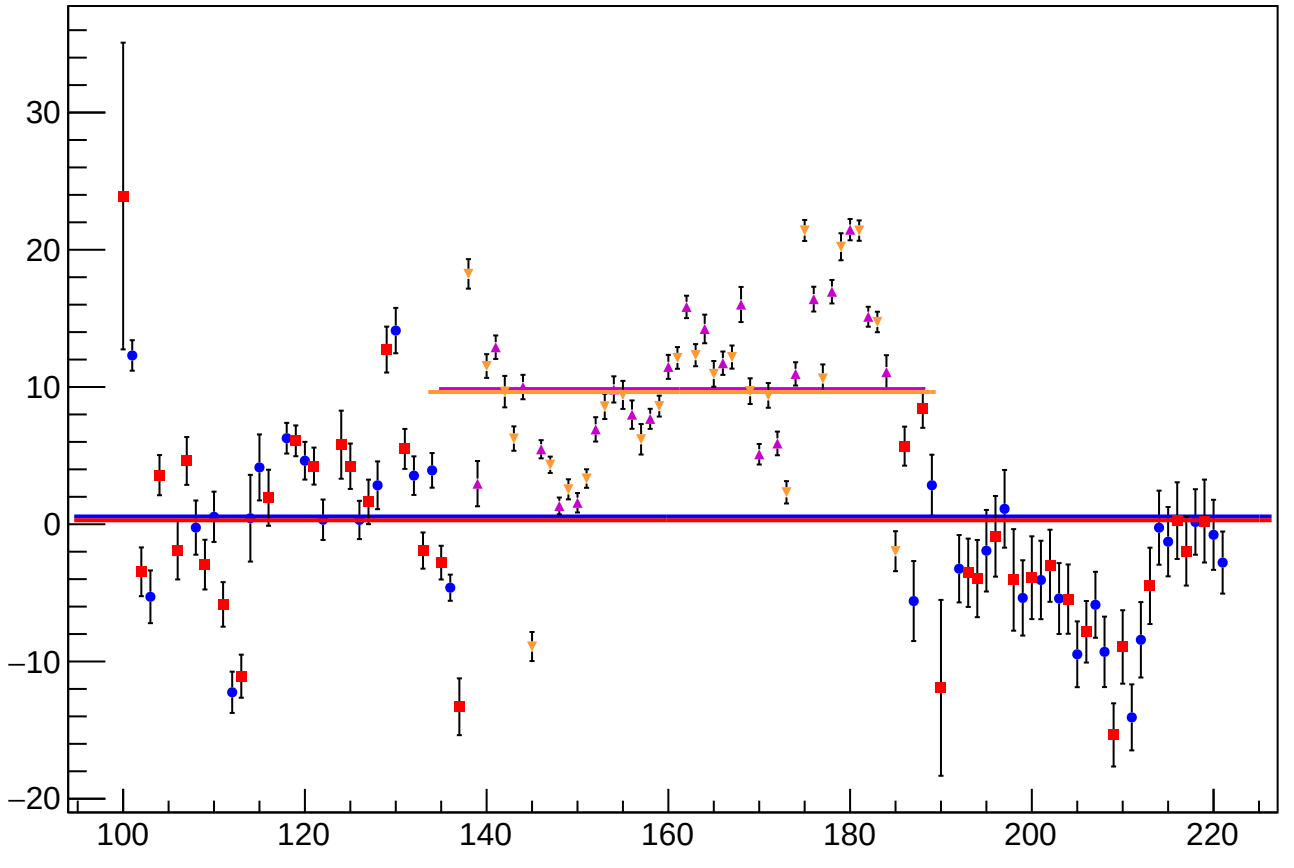
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 75.962+/-0.165 χ^2/NDF: 11322.0/69

In: 64.516+/-0.155 χ^2/NDF:10723.1/56

Out: 66.576+/-0.150 χ^2/NDF:15709.7/60

All: 65.580+/-0.108 χ^2/NDF: 26524.3/117



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: 0.289+/-0.314 χ^2/NDF: 398.4/35

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

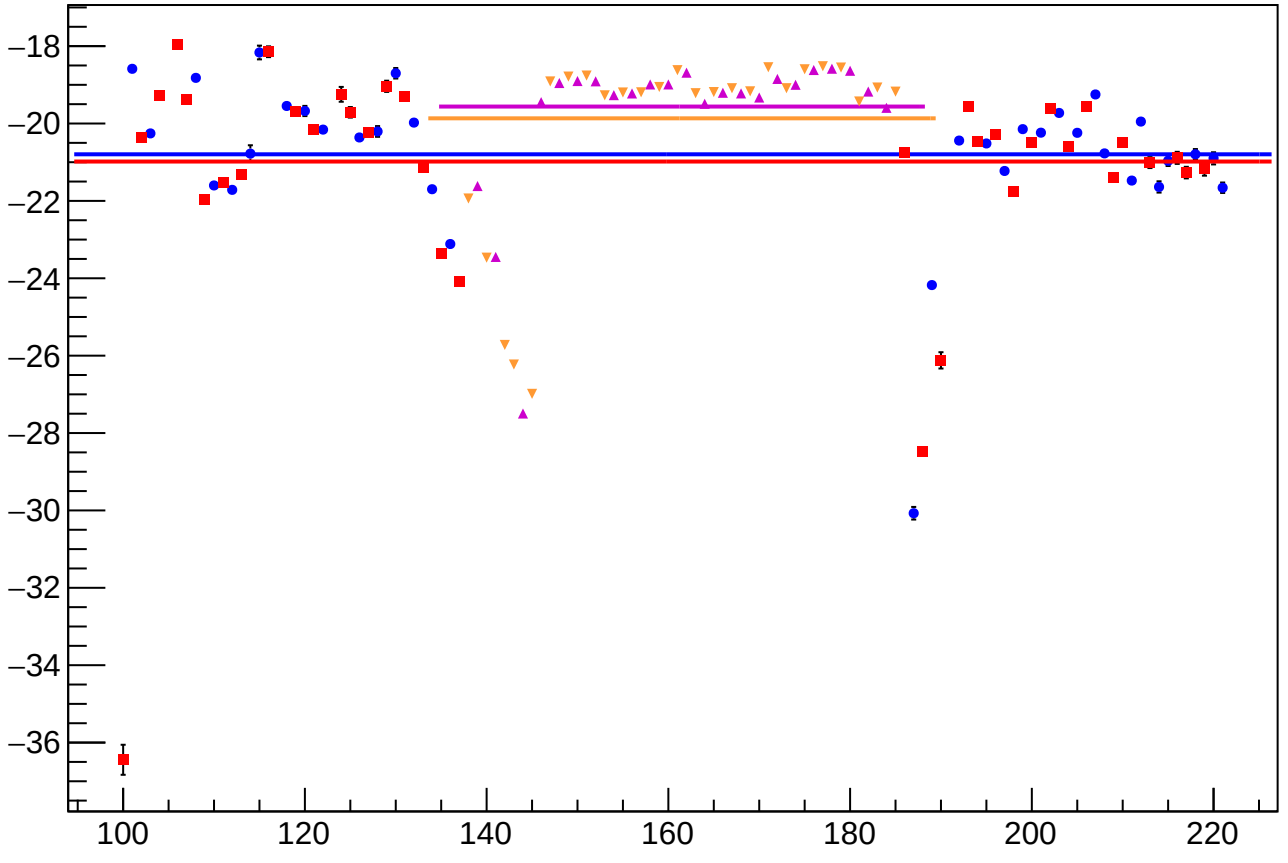
Right: 0.428+/-0.221 χ^2/NDF: 851.5/69

In: 7.591+/-0.153 χ^2/NDF:2120.1/56

Out: 7.486+/-0.150 χ^2/NDF:2573.9/60

All: 7.538+/-0.107 χ^2/NDF: 4694.2/117

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -20.983+/-0.016 χ^2/NDF: 20706.6/35

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

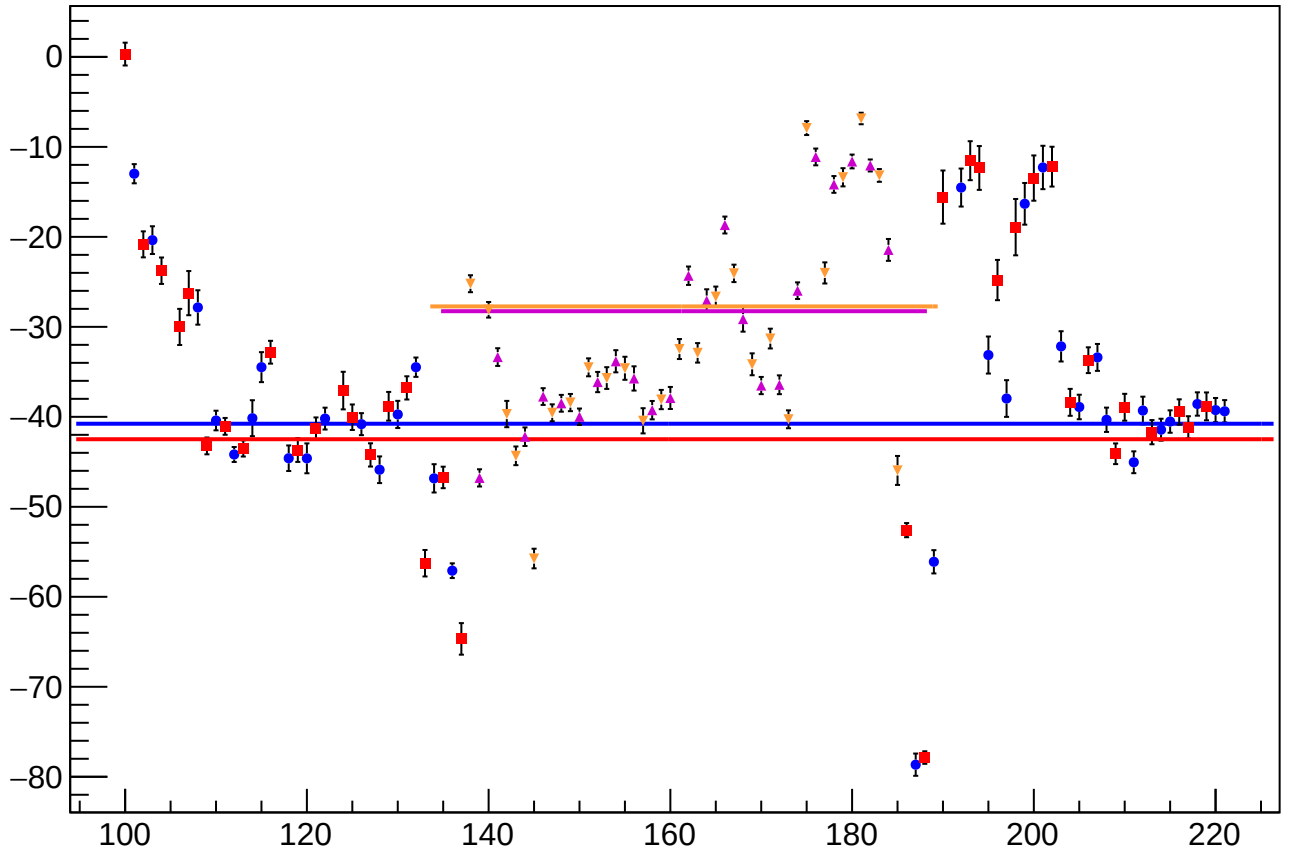
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.887+/-0.011 χ^2/NDF: 33476.3/69

In: -19.825+/-0.007 χ^2/NDF:62997.4/56

Out: -20.092+/-0.007 χ^2/NDF:103684.7/60

All: -19.959+/-0.005 χ^2/NDF: 167404.3/117



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: -42.488+/-0.222 χ^2/NDF: 5657.8/35

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

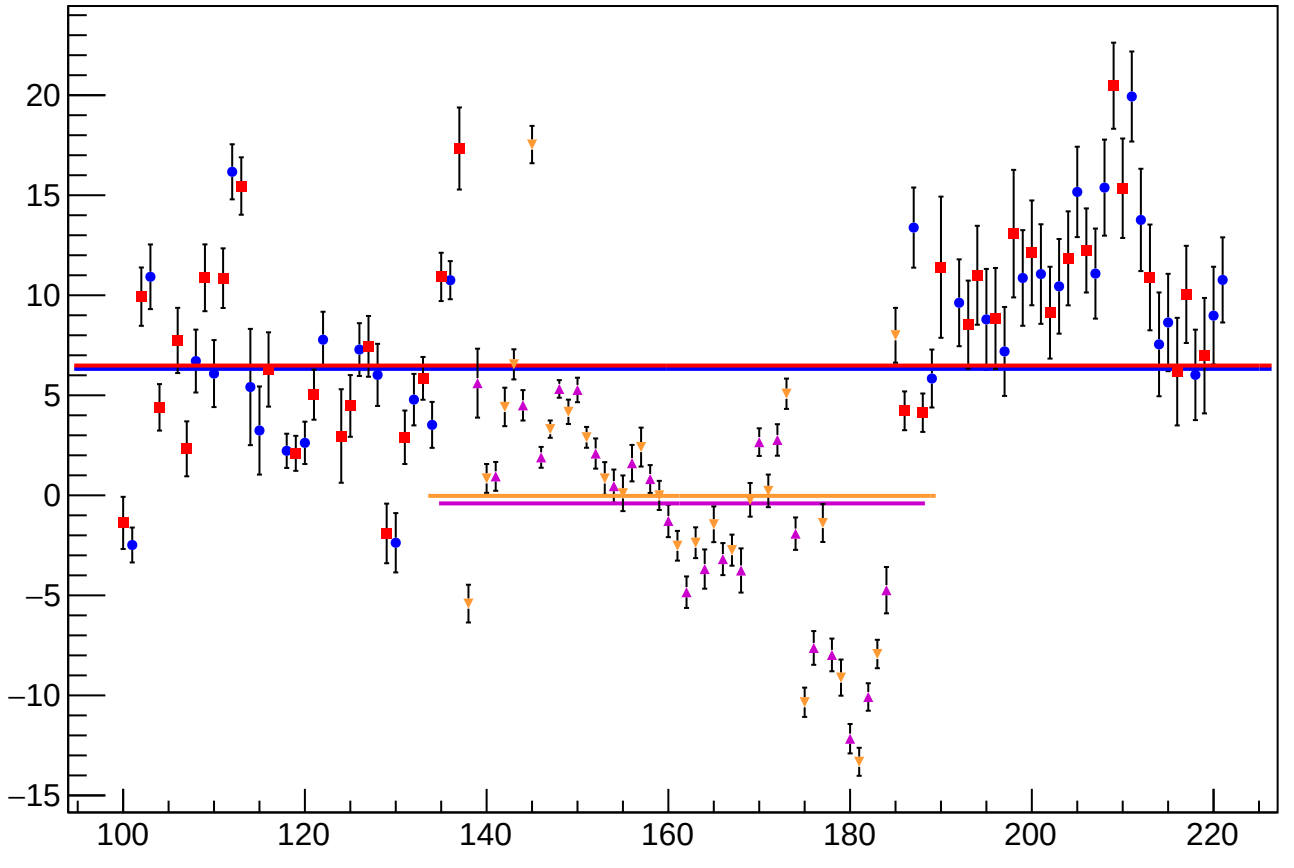
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.662+/-0.160 χ^2/NDF: 8664.5/69

In: -33.806+/-0.154 χ^2/NDF:7782.2/56

Out: -34.371+/-0.149 χ^2/NDF:12389.7/60

All: -34.097+/-0.107 χ^2/NDF: 20178.8/117



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: 6.487+/-0.261 χ^2/NDF: 322.5/35

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

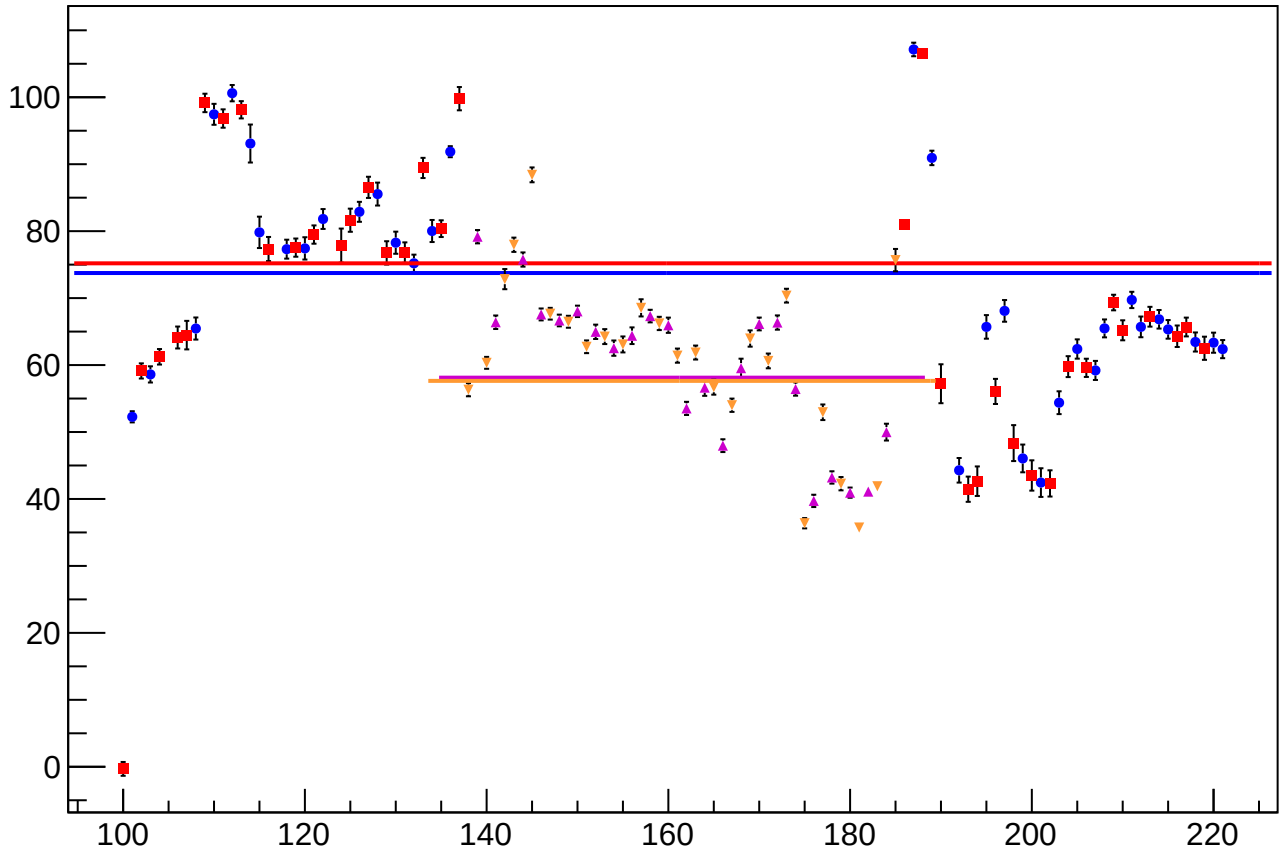
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.407+/-0.188 χ^2/NDF: 698.1/69

In: 1.261+/-0.135 χ^2/NDF:1922.9/56

Out: 1.591+/-0.130 χ^2/NDF:2320.6/60

All: 1.432+/-0.094 χ^2/NDF: 4246.6/117



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: 75.196+/-0.223 χ^2/NDF: 11967.2/35

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

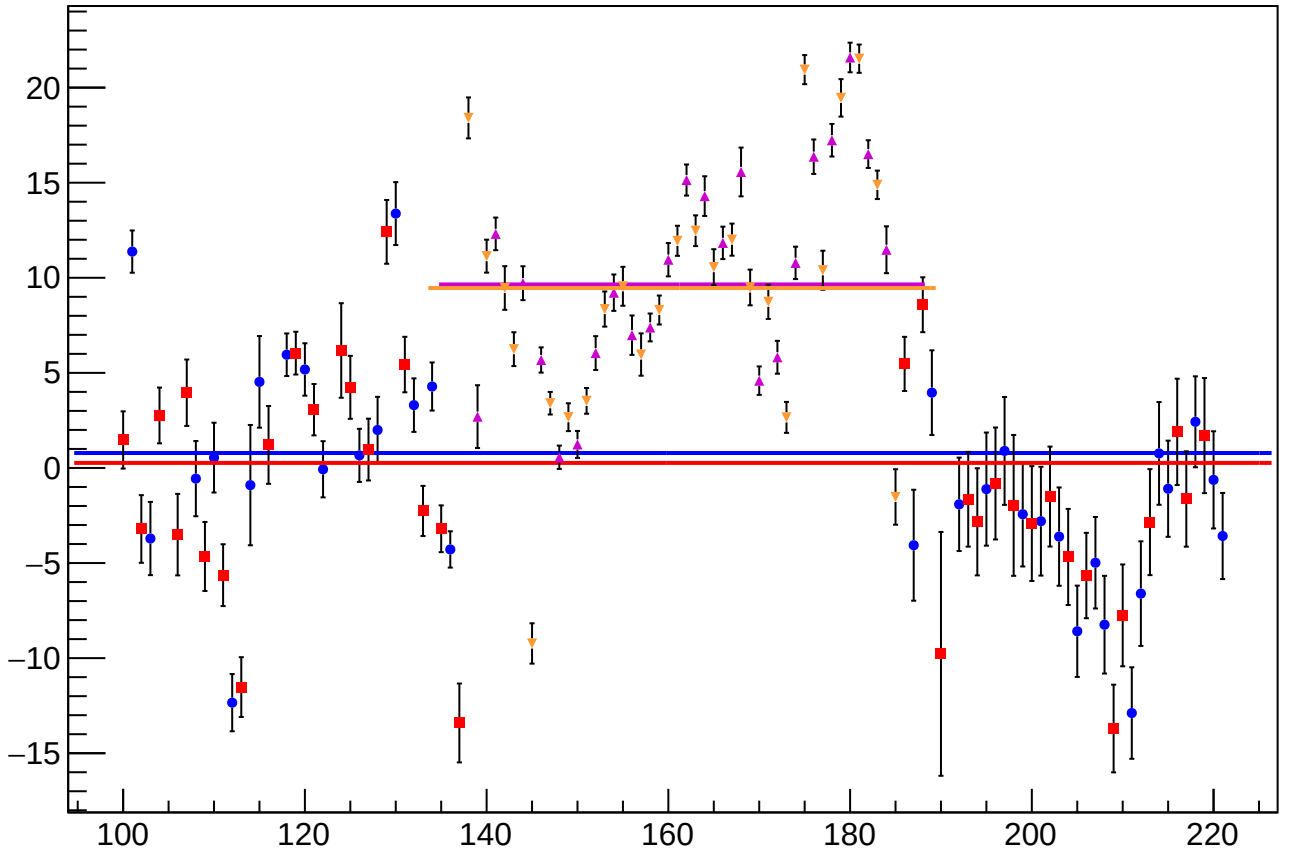
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 74.522+/-0.163 χ^2/NDF: 16855.2/69

In: 64.709+/-0.155 χ^2/NDF:10791.6/56

Out: 65.451+/-0.148 χ^2/NDF:20034.6/60

All: 65.096+/-0.107 χ^2/NDF: 30838.1/117



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: 0.266+/-0.308 χ^2/NDF: 366.1/35

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

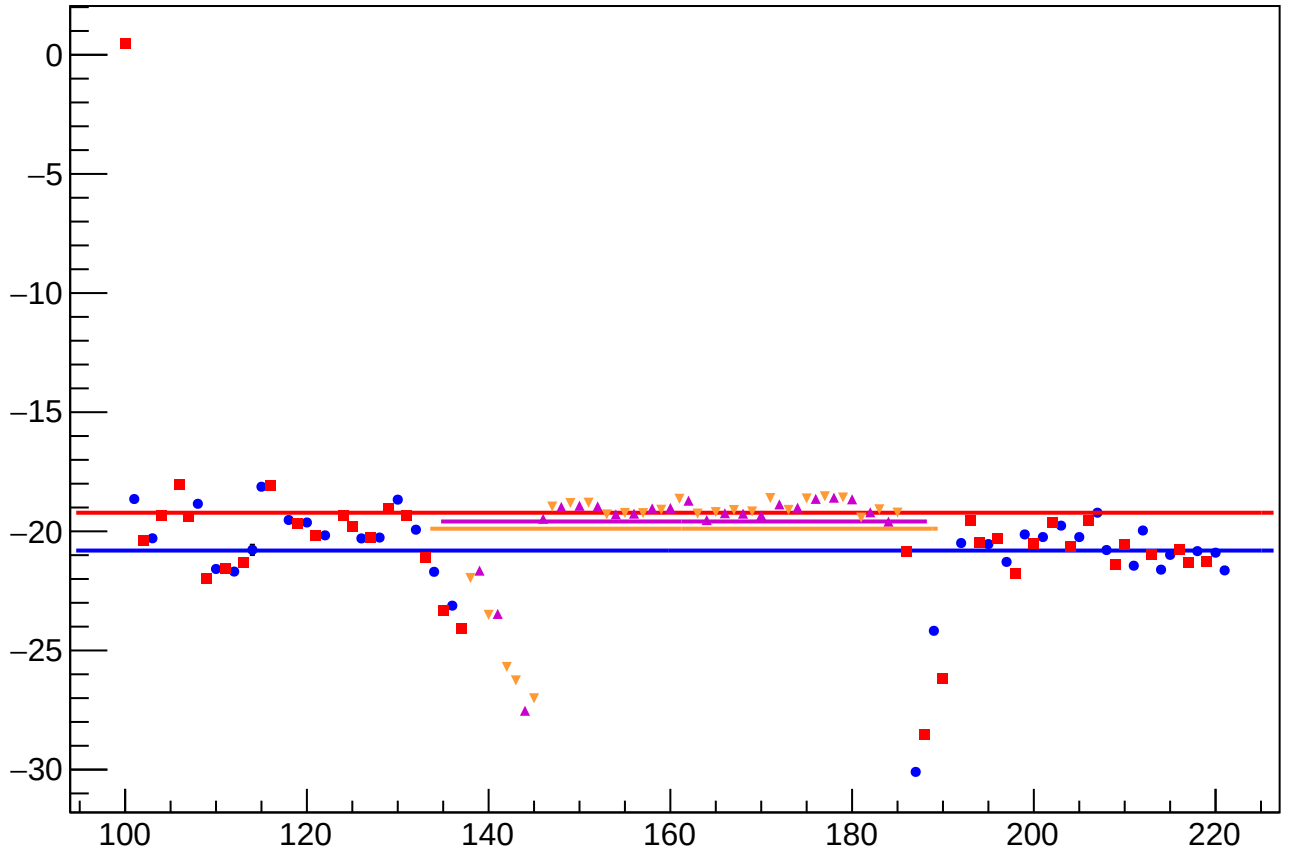
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 0.523+/-0.219 χ^2/NDF: 762.5/69

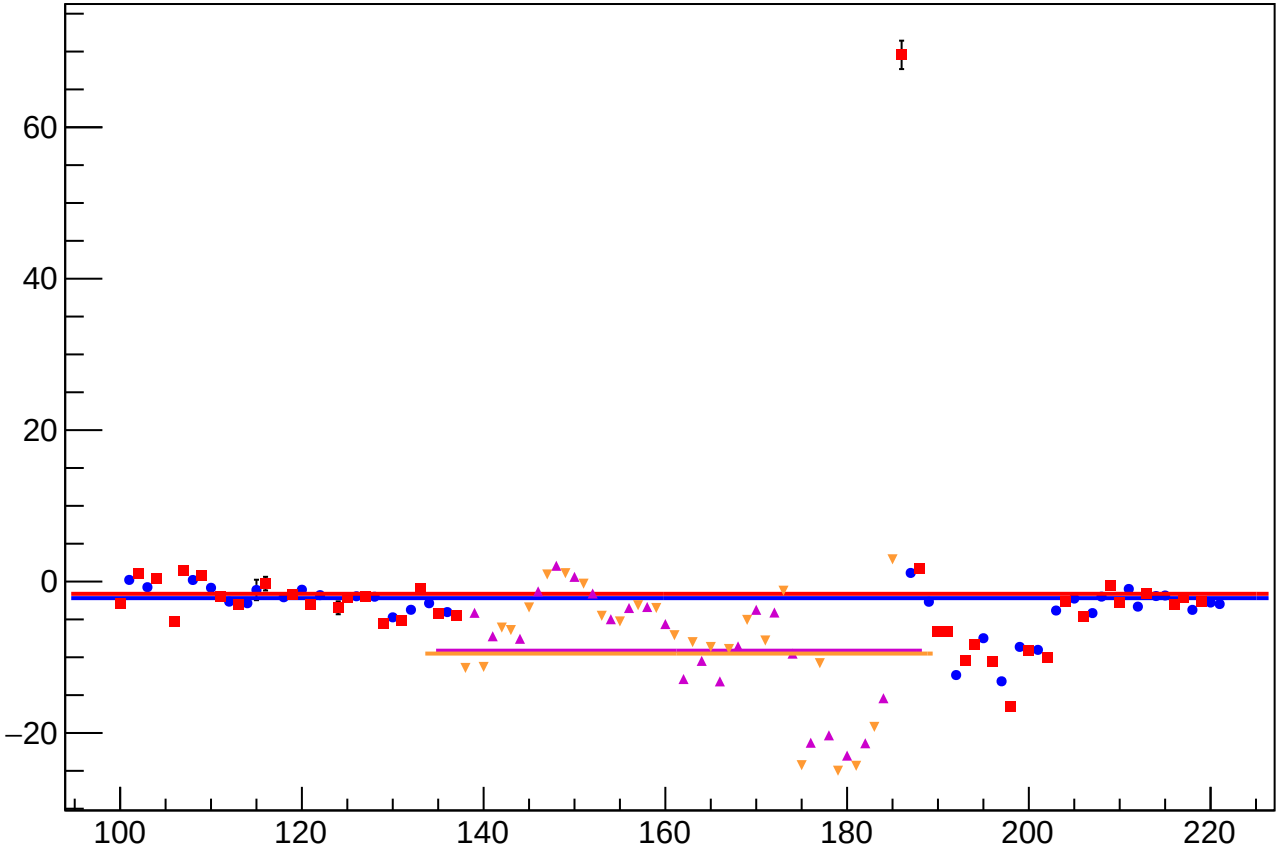
In: 7.493+/-0.154 χ^2/NDF:2086.5/56

Out: 7.278+/-0.150 χ^2/NDF:2530.6/60

All: 7.383+/-0.107 χ^2/NDF: 4618.1/117


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: -19.219+/-0.015 χ²/NDF: 173067.6/35
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.996+/-0.011 χ²/NDF: 191135.9/69
In: -19.846+/-0.007 χ²/NDF:62661.6/56
Out: -19.744+/-0.007 χ²/NDF:253145.3/60
All: -19.794+/-0.005 χ²/NDF: 315913.9/117

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.619+/-0.043 χ^2/NDF: 6999.3/36

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

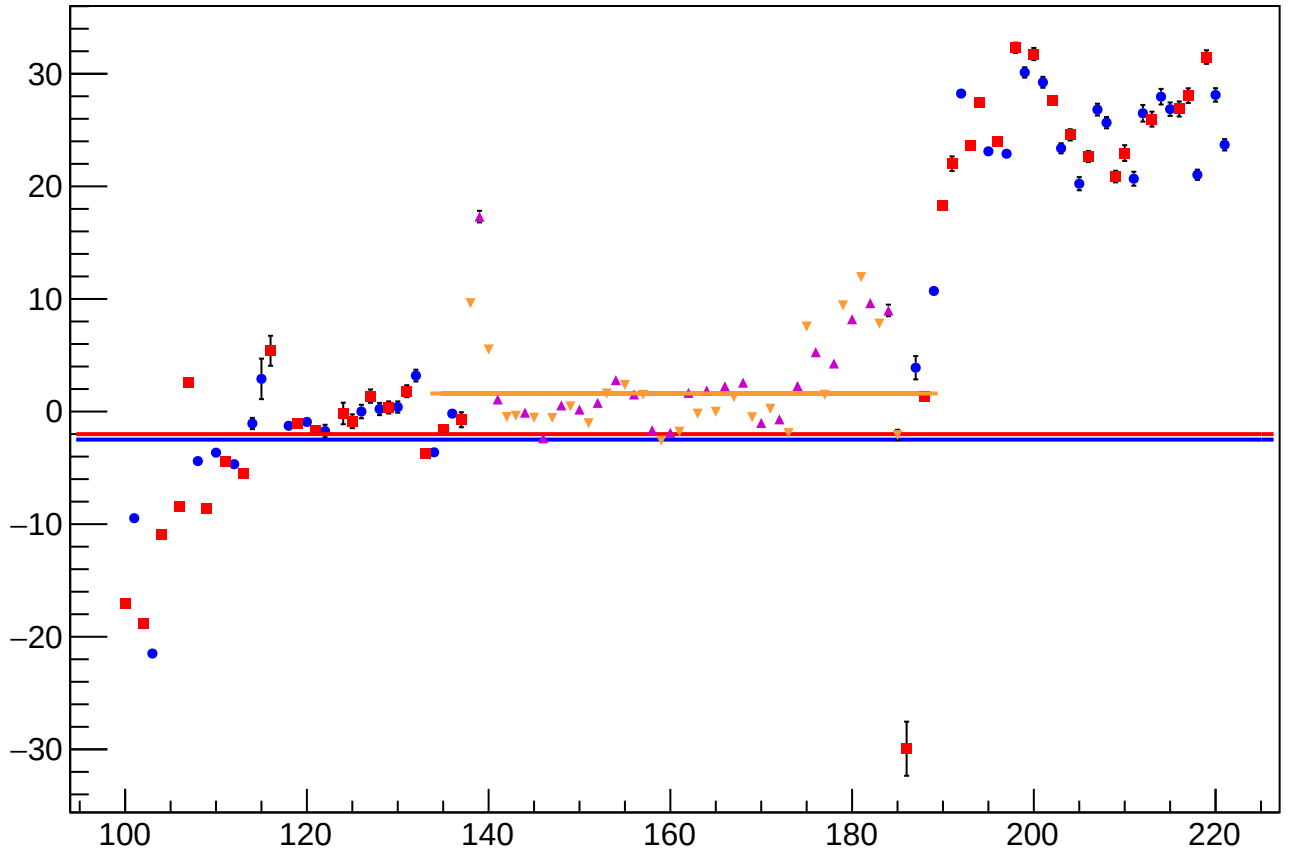
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.890+/-0.031 χ^2/NDF: 10486.5/70

In: -4.069+/-0.039 χ^2/NDF:20077.7/56

Out: -3.685+/-0.037 χ^2/NDF:28632.9/61

All: -3.868+/-0.027 χ^2/NDF: 48761.5/118



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: -2.004+/-0.051 χ^2/NDF: 75801.2/36

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

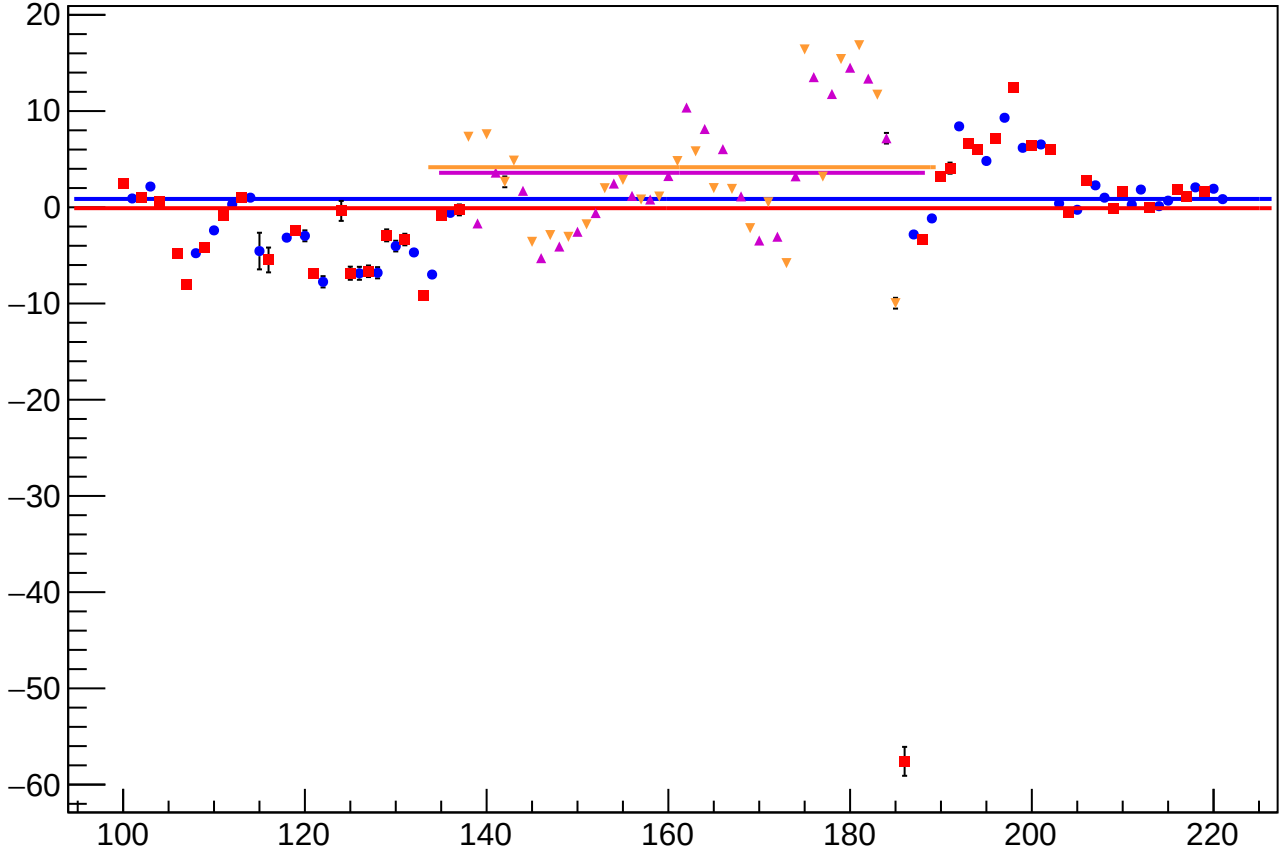
Right: -2.247+/-0.036 χ^2/NDF: 153193.4/70

In: -0.685+/-0.038 χ^2/NDF:83822.2/56

Out: -0.335+/-0.038 χ^2/NDF:82779.2/61

All: -0.506+/-0.027 χ^2/NDF: 166644.0/118

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.093+/-0.044 χ^2/NDF: 8287.5/36

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

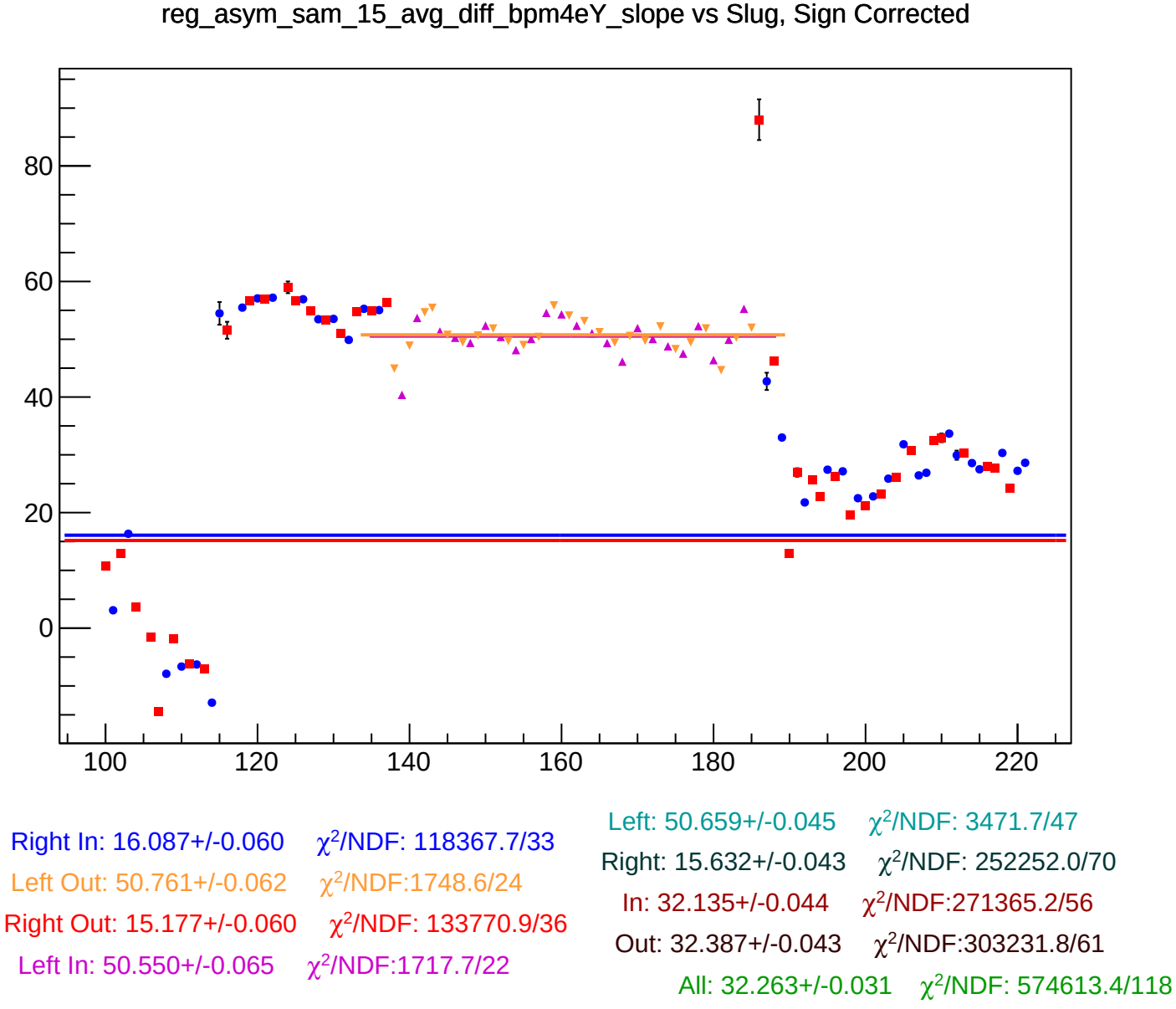
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.382+/-0.031 χ^2/NDF: 12732.9/70

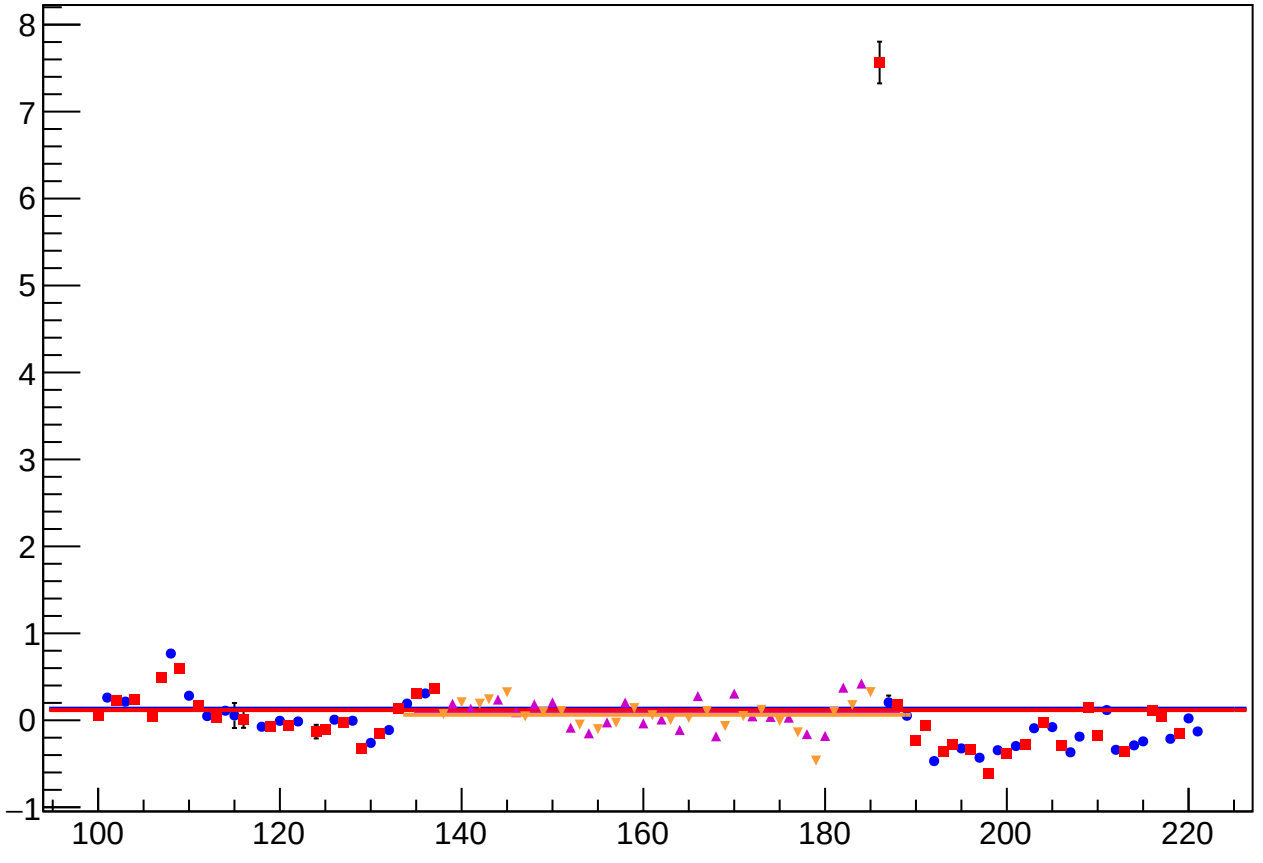
In: 1.588+/-0.038 χ^2/NDF:12427.9/56

Out: 1.060+/-0.038 χ^2/NDF:20079.9/61

All: 1.320+/-0.027 χ^2/NDF: 32605.5/118


reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
120
140
160
180
200
220
Right In: 16.087+/-0.060 χ2/NDF: 118367.7/33
Left Out: 50.761+/-0.062 χ2/NDF:1748.6/24
Right Out: 15.177+/-0.060 χ2/NDF: 133770.9/36
Left In: 50.550+/-0.065 χ2/NDF:1717.7/22
Left: 50.659+/-0.045 χ2/NDF: 3471.7/47
Right: 15.632+/-0.043 χ2/NDF: 252252.0/70
In: 32.135+/-0.044 χ2/NDF:271365.2/56
Out: 32.387+/-0.043 χ2/NDF:303231.8/61
All: 32.263+/-0.031 χ2/NDF: 574613.4/118

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: 0.117+/-0.002 χ^2/NDF: 13259.4/36

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

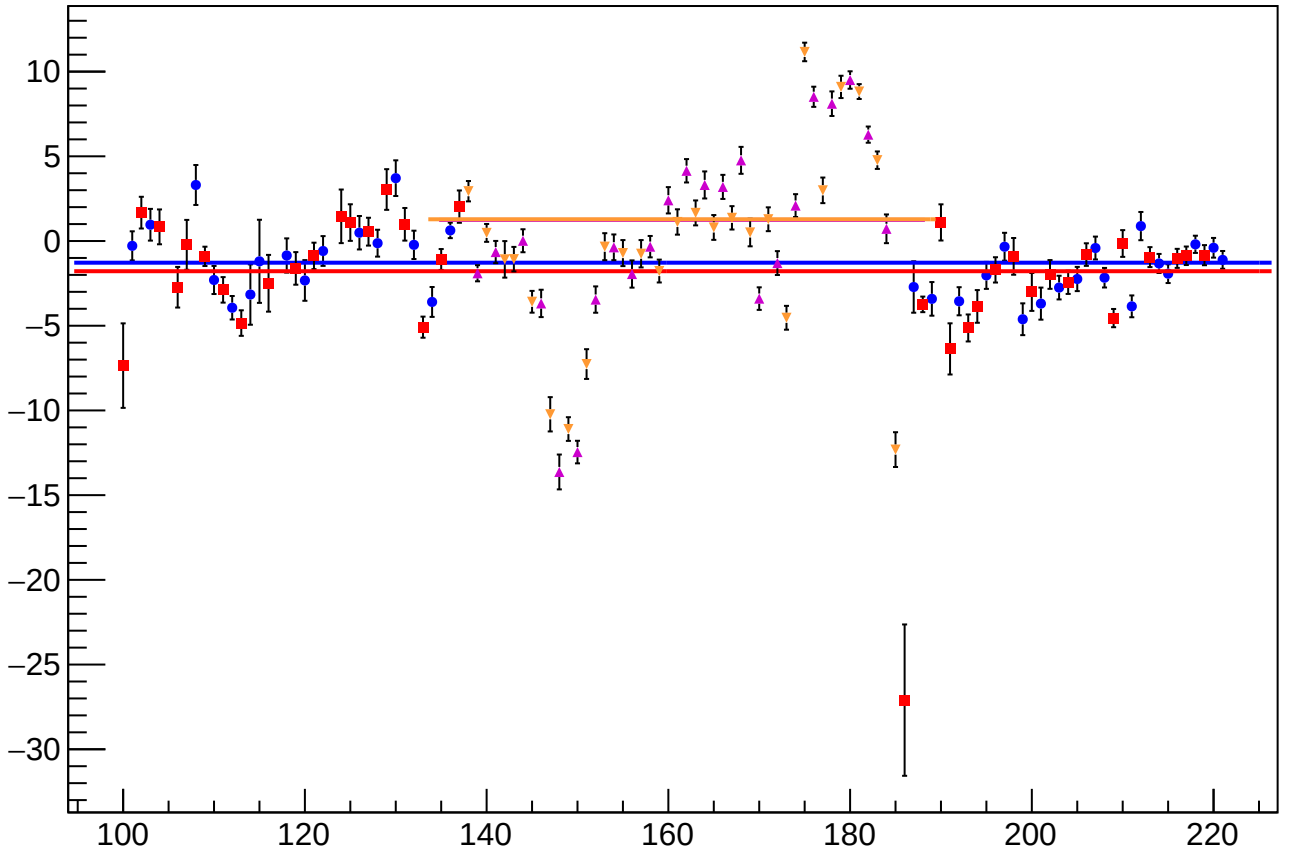
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.125+/-0.002 χ^2/NDF: 27448.8/70

In: 0.111+/-0.002 χ^2/NDF:17821.9/56

Out: 0.095+/-0.002 χ^2/NDF:16041.7/61

All: 0.103+/-0.001 χ^2/NDF: 33902.5/118



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: -1.782+/-0.130 χ^2/NDF: 272.4/36

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

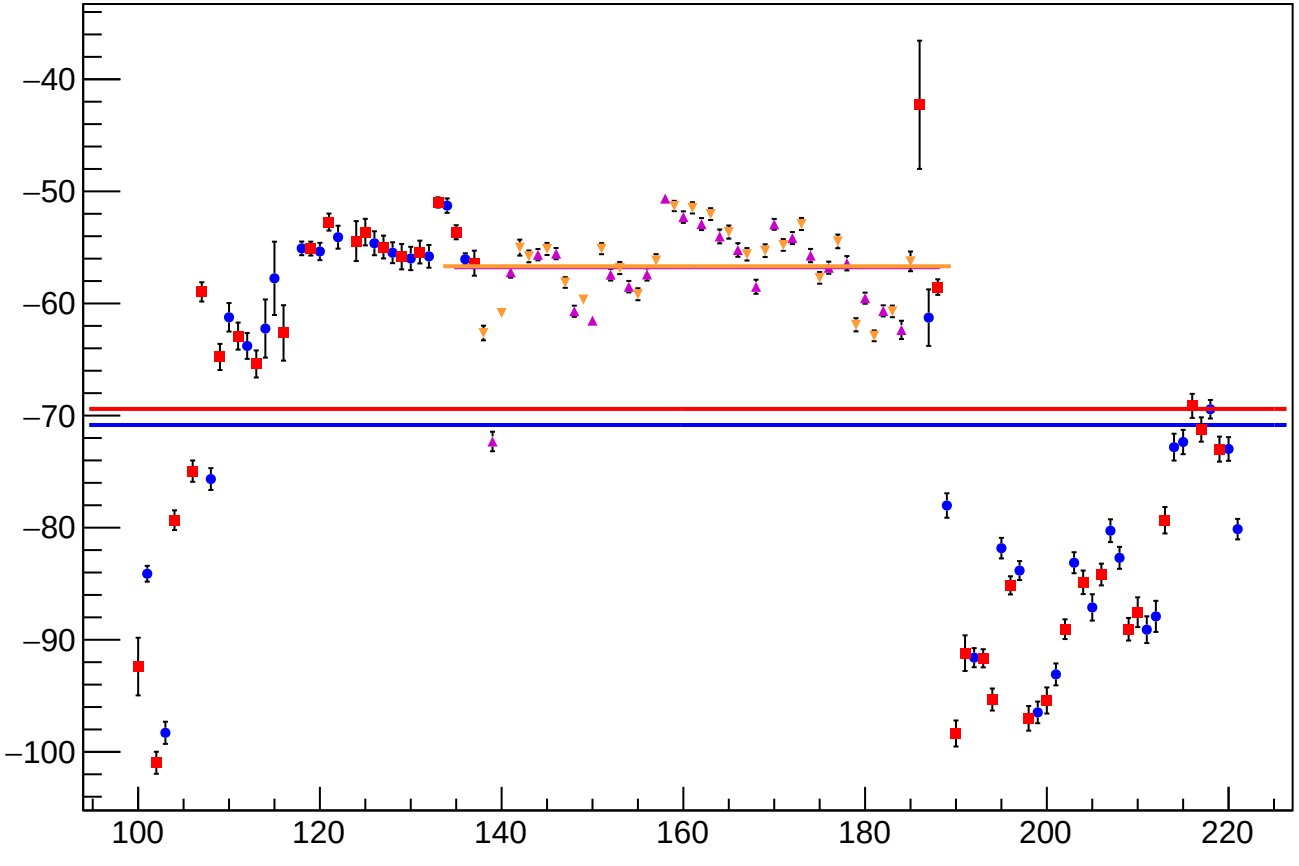
Right: -1.530+/-0.092 χ^2/NDF: 450.4/70

In: -0.116+/-0.095 χ^2/NDF:1857.4/56

Out: -0.329+/-0.094 χ^2/NDF:2251.4/61

All: -0.224+/-0.067 χ^2/NDF: 4111.4/118

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -69.406+/-0.157 χ^2/NDF: 11310.5/36

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

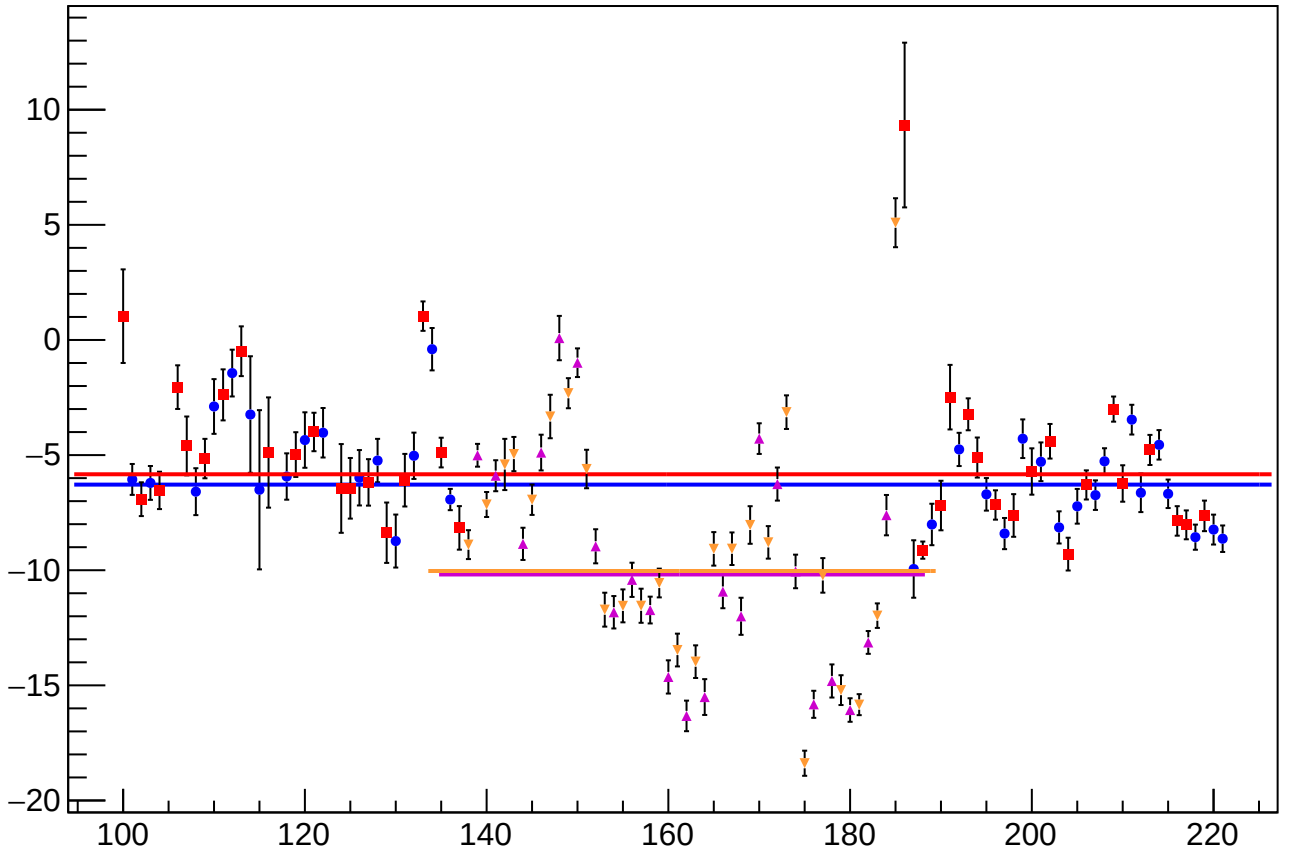
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -70.103+/-0.113 χ^2/NDF: 19920.4/70

In: -61.315+/-0.092 χ^2/NDF:14787.4/56

Out: -60.714+/-0.089 χ^2/NDF:16790.6/61

All: -61.003+/-0.064 χ^2/NDF: 31600.1/118



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: -5.833+/-0.132 χ^2/NDF: 413.2/36

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

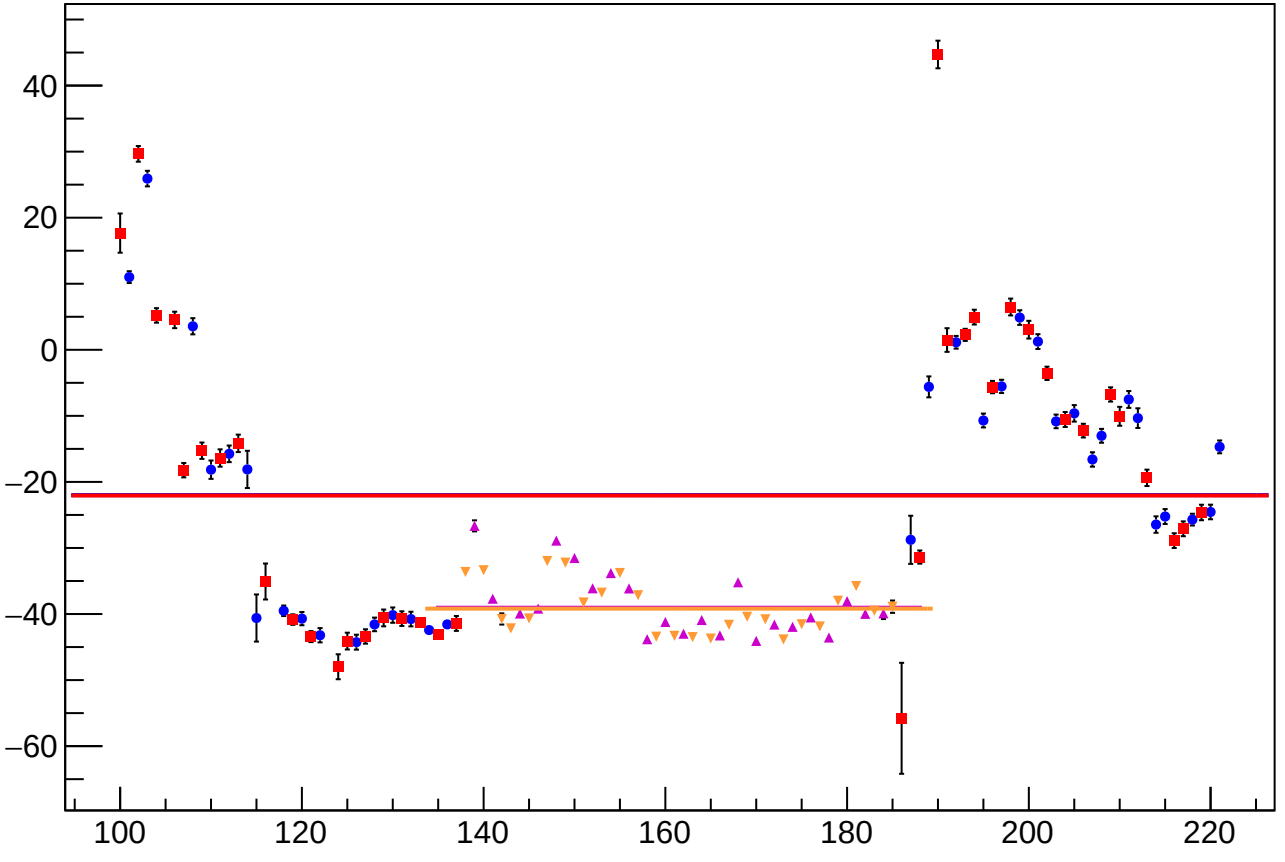
Right: -6.055+/-0.094 χ^2/NDF: 625.3/70

In: -8.143+/-0.096 χ^2/NDF:1760.6/56

Out: -7.863+/-0.095 χ^2/NDF:2087.1/61

All: -8.001+/-0.067 χ^2/NDF: 3852.0/118

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -22.058+/-0.181 χ^2/NDF: 13014.3/36

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

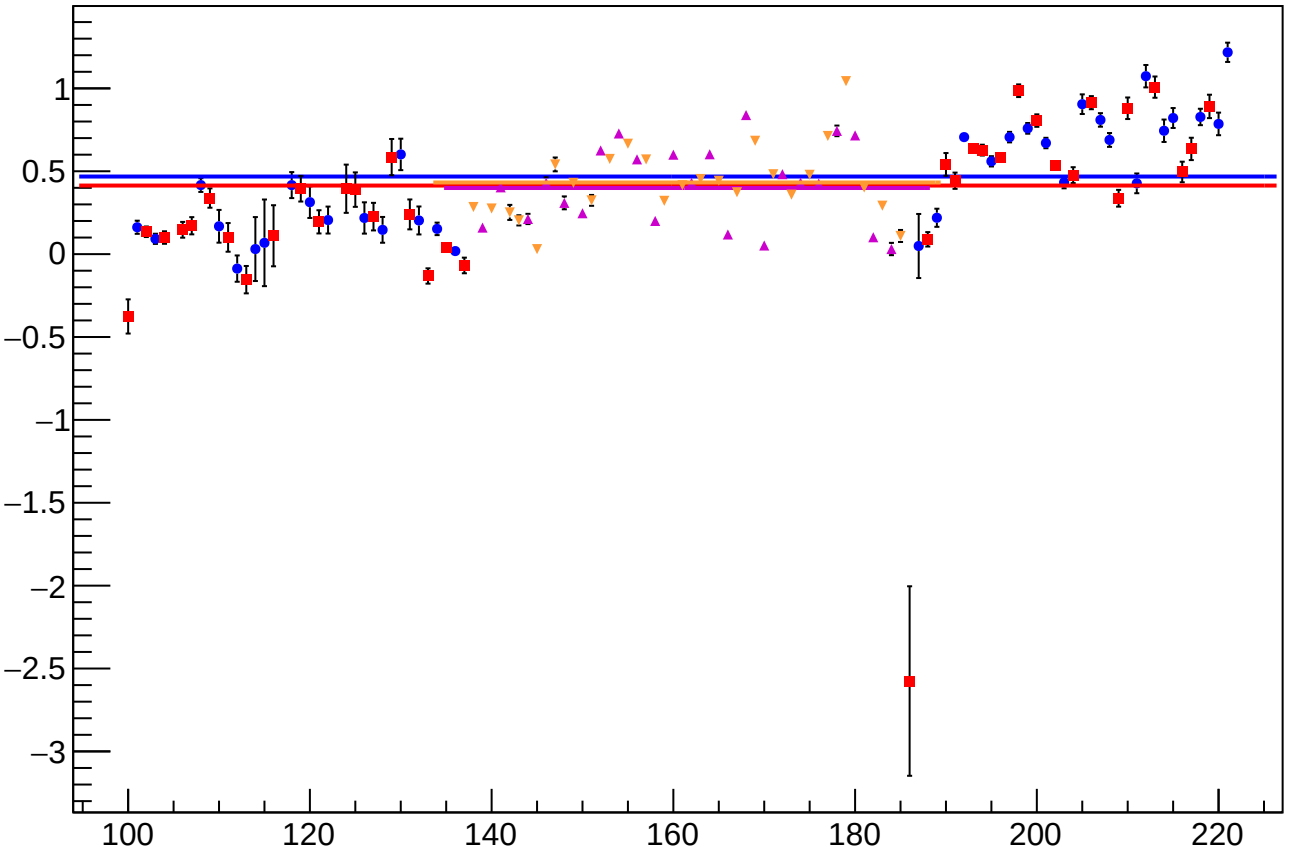
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -22.028+/-0.128 χ^2/NDF: 23829.0/70

In: -33.638+/-0.103 χ^2/NDF:18010.5/56

Out: -33.950+/-0.100 χ^2/NDF:20271.3/61

All: -33.798+/-0.072 χ^2/NDF: 38286.5/118



Right In: 0.468+/-0.008 χ^2/NDF: 1631.9/33

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.414+/-0.008 χ^2/NDF: 1744.2/36

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

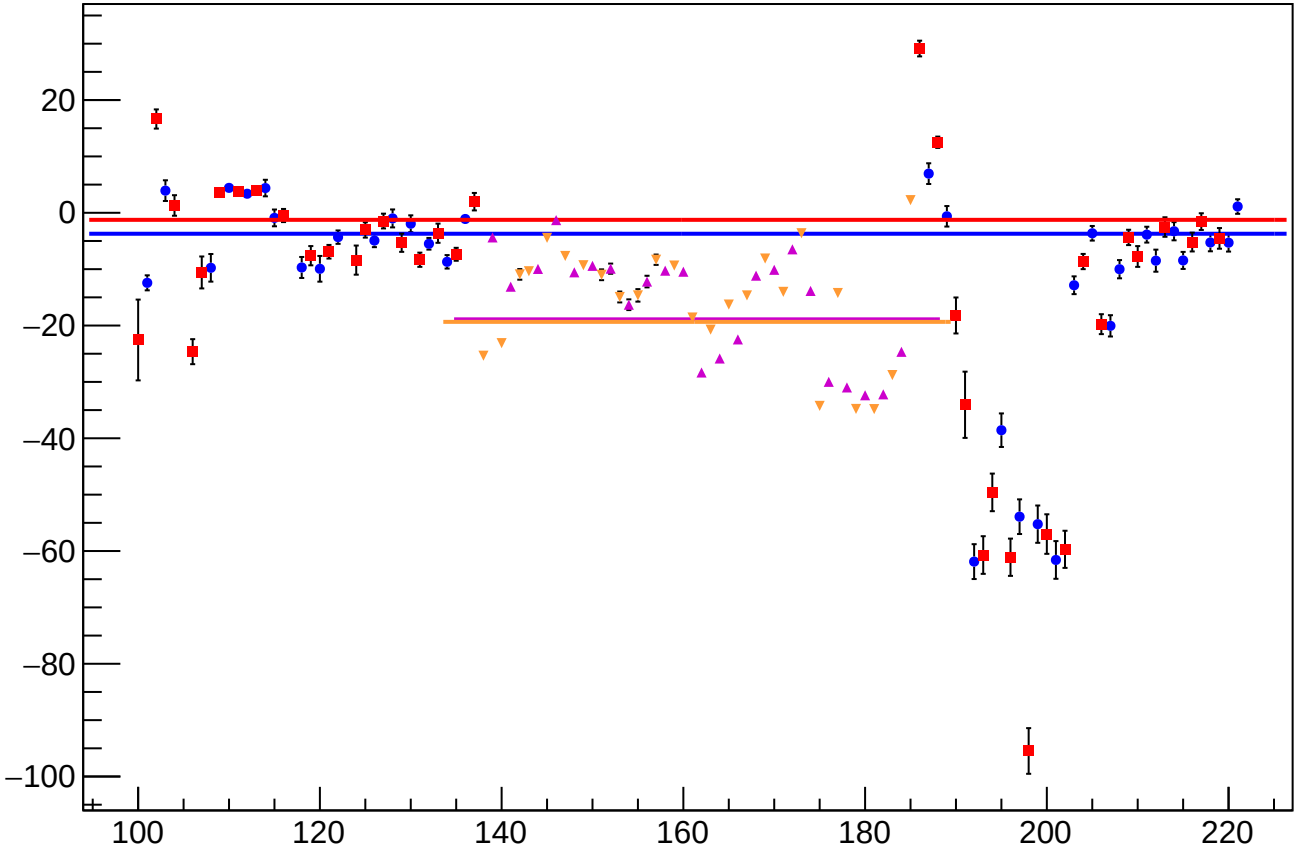
Right: 0.441+/-0.006 χ^2/NDF: 3400.0/70

In: 0.421+/-0.004 χ^2/NDF:3608.3/56

Out: 0.426+/-0.004 χ^2/NDF:3116.7/61

All: 0.424+/-0.003 χ^2/NDF: 6725.9/118

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.249+/-0.227 χ^2/NDF: 3403.5/36

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

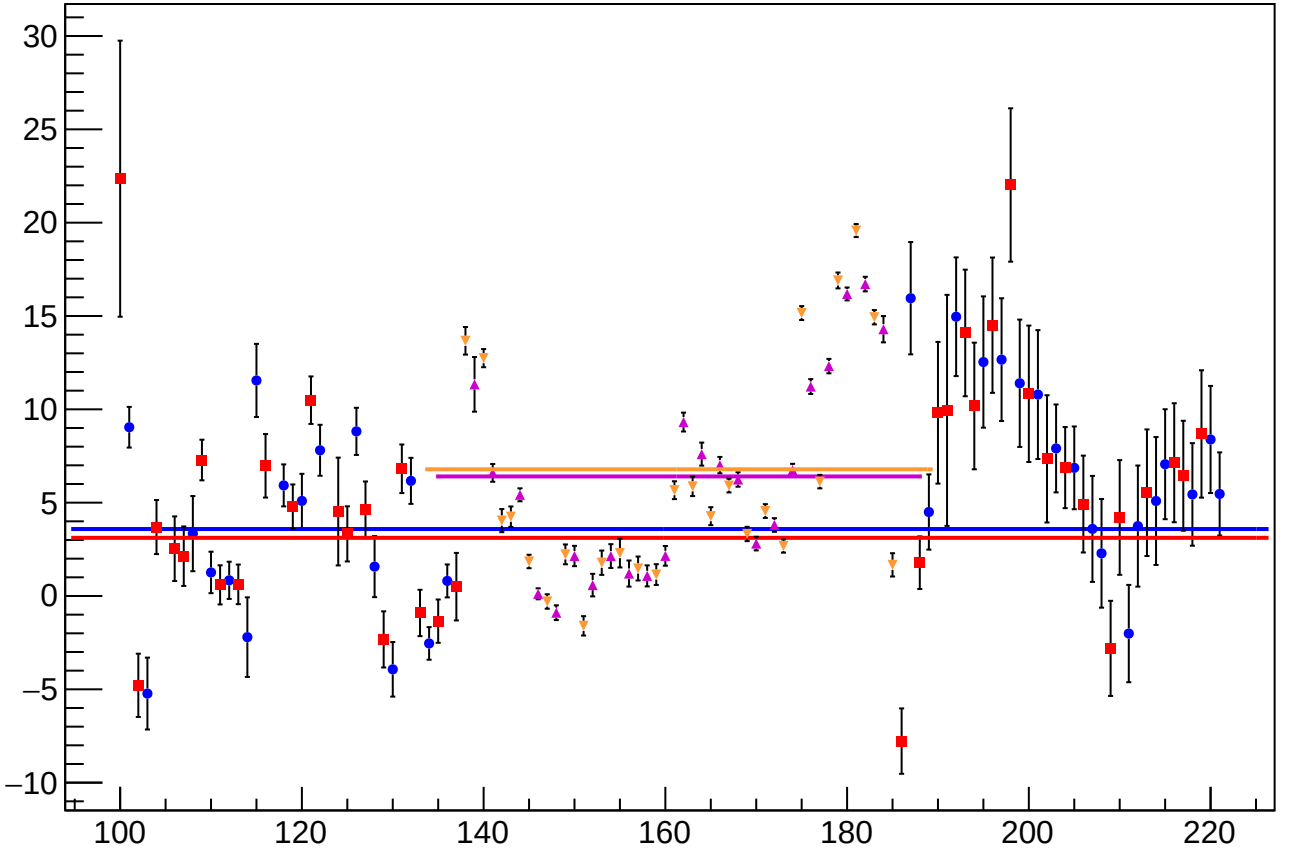
Right: -2.452+/-0.163 χ^2/NDF: 5371.3/70

In: -15.874+/-0.104 χ^2/NDF:13605.3/56

Out: -15.735+/-0.101 χ^2/NDF:18885.1/61

All: -15.803+/-0.073 χ^2/NDF: 32491.4/118

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.587+/-0.283 χ^2/NDF: 275.0/33

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 3.116+/-0.288 χ^2/NDF: 256.5/36

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

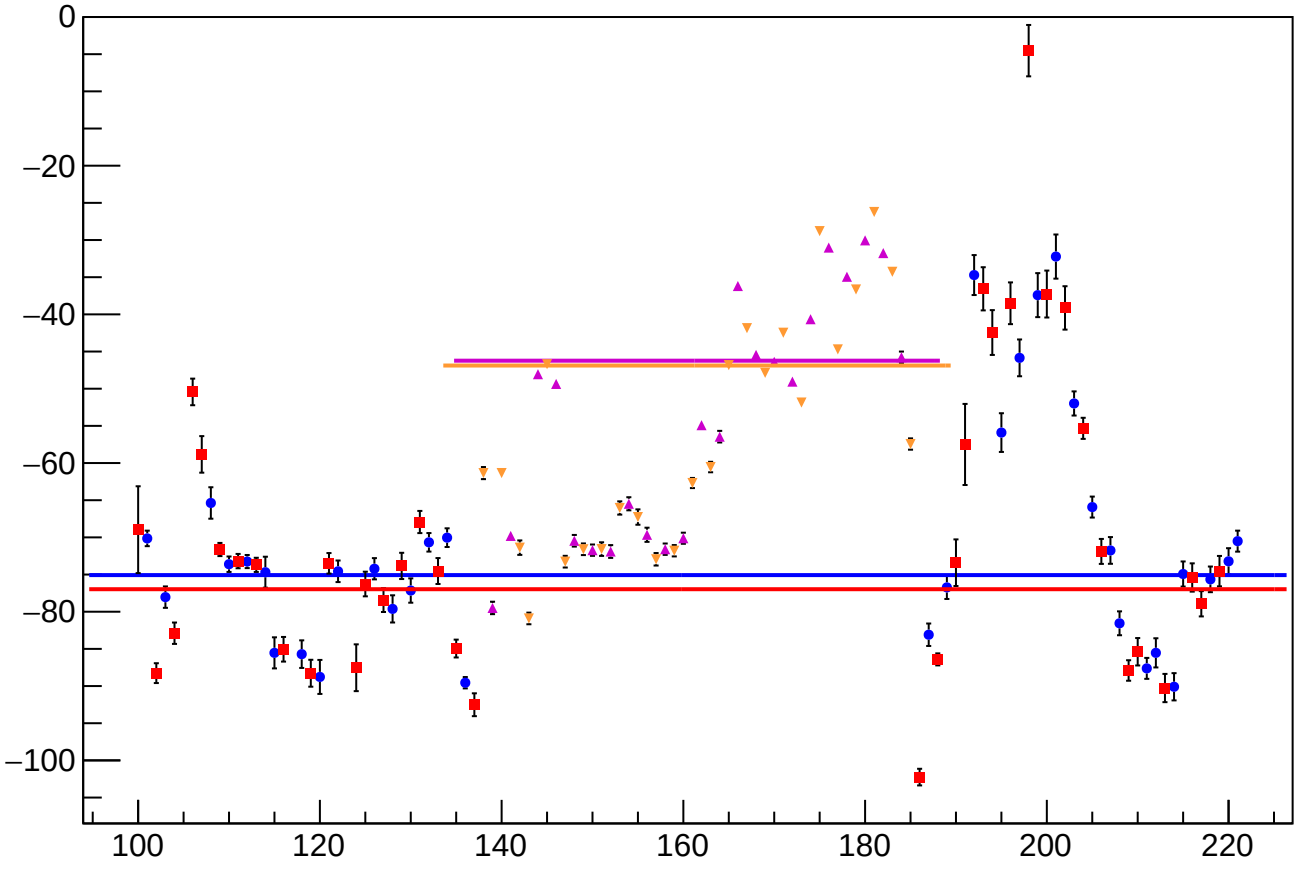
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.356+/-0.202 χ^2/NDF: 532.9/70

In: 6.139+/-0.087 χ^2/NDF:3775.3/56

Out: 6.461+/-0.086 χ^2/NDF:5036.8/61

All: 6.301+/-0.061 χ^2/NDF: 8819.1/118



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: -76.972+/-0.257 χ^2/NDF: 3014.1/36

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

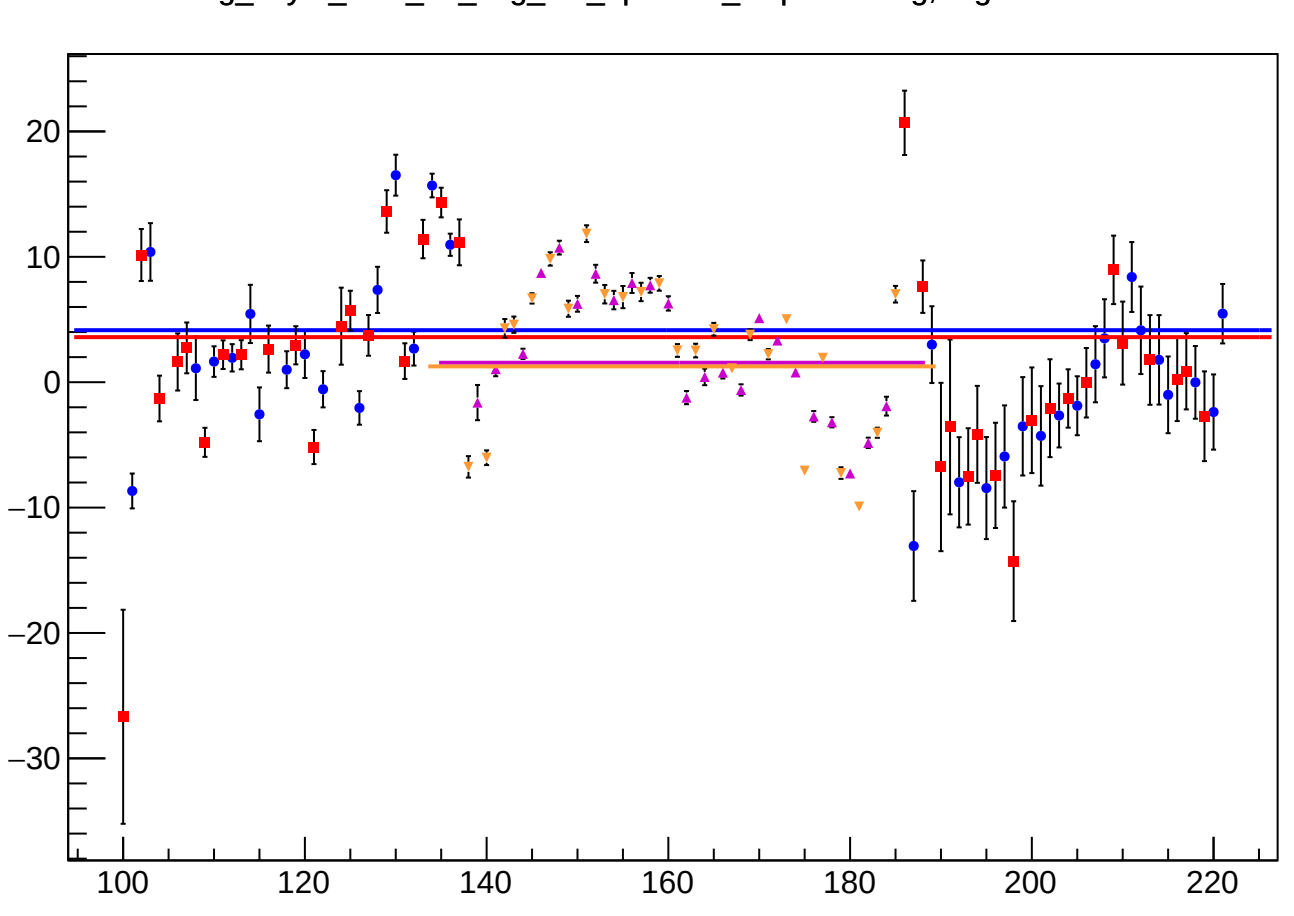
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

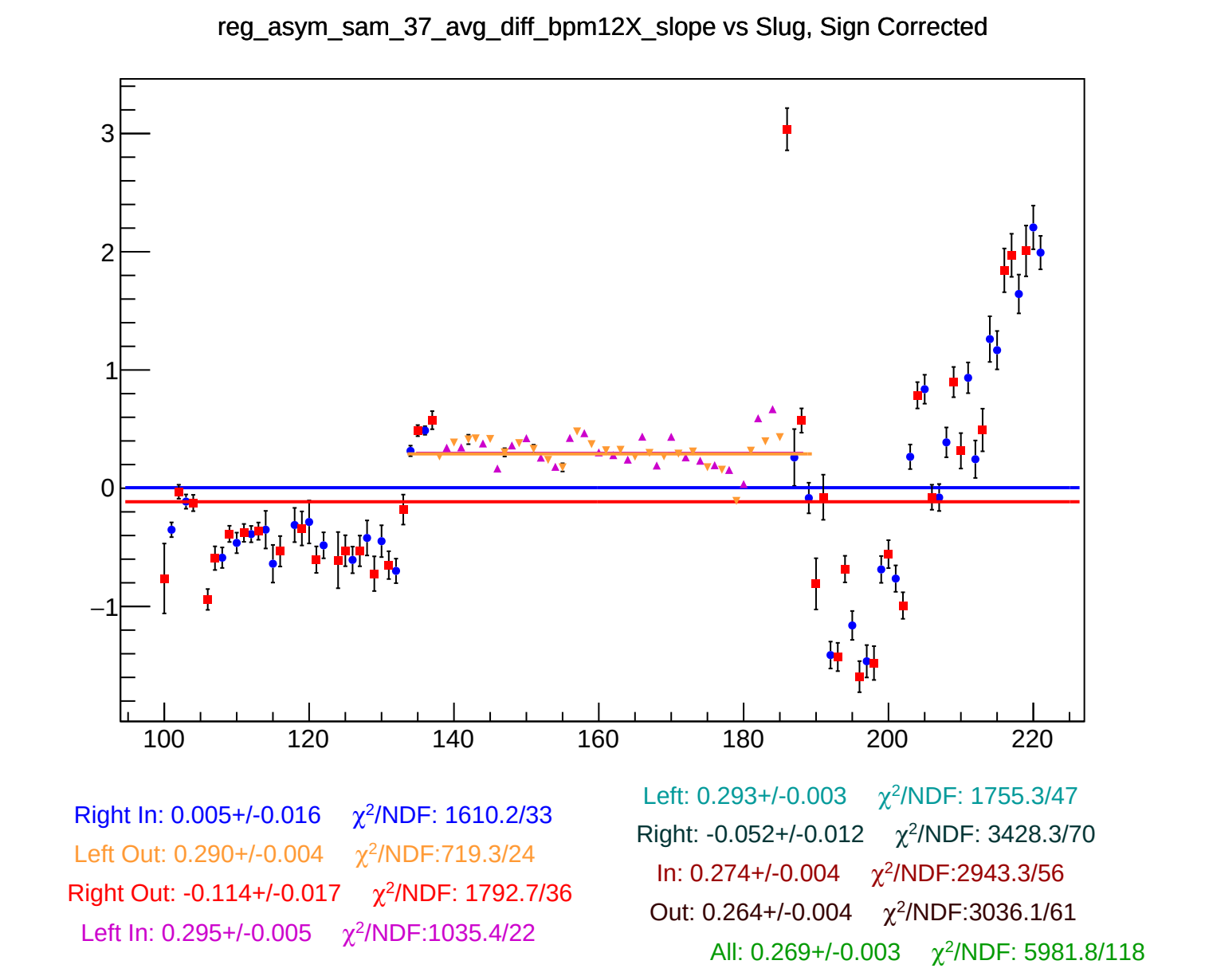
Right: -76.027+/-0.182 χ^2/NDF: 4853.2/70

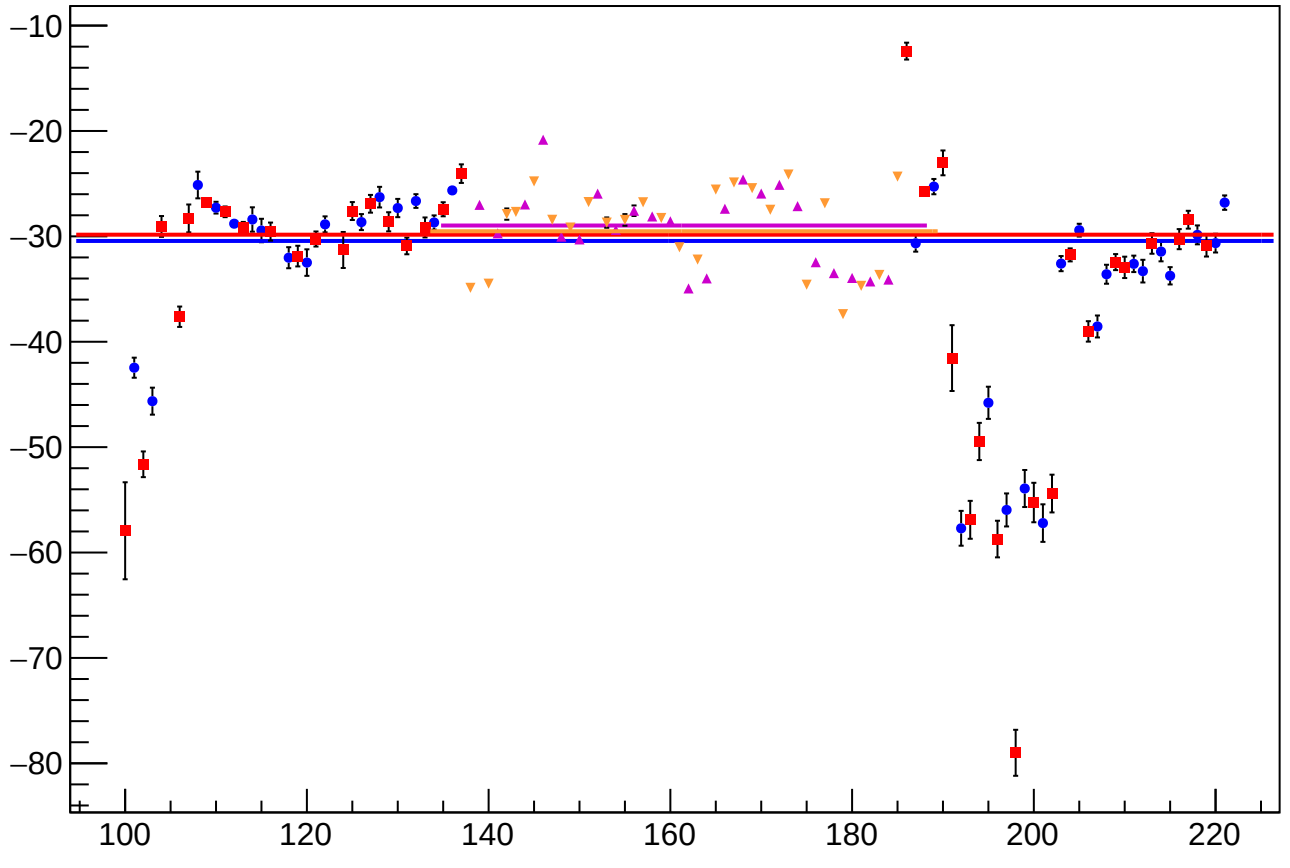
In: -51.113+/-0.106 χ^2/NDF:27396.7/56

Out: -51.838+/-0.104 χ^2/NDF:32481.4/61

All: -51.482+/-0.074 χ^2/NDF: 59901.9/118


reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: 4.149+/-0.316 χ²/NDF: 498.5/33
Left Out: 1.261+/-0.100 χ²/NDF:3445.7/24
Right Out: 3.595+/-0.327 χ²/NDF: 396.7/36
Left In: 1.551+/-0.102 χ²/NDF:2335.7/22
Left: 1.404+/-0.072 χ²/NDF: 5785.4/47
Right: 3.882+/-0.227 χ²/NDF: 896.7/70
In: 1.796+/-0.097 χ²/NDF:2895.4/56
Out: 1.462+/-0.096 χ²/NDF:3888.8/61
All: 1.627+/-0.068 χ²/NDF: 6790.2/118


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: -0.114+/-0.017 χ²/NDF: 1792.7/36
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.052+/-0.012 χ²/NDF: 3428.3/70
In: 0.274+/-0.004 χ²/NDF:2943.3/56
Out: 0.264+/-0.004 χ²/NDF:3036.1/61
All: 0.269+/-0.003 χ²/NDF: 5981.8/118



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: -29.841+/-0.140 χ^2/NDF: 2809.8/36

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

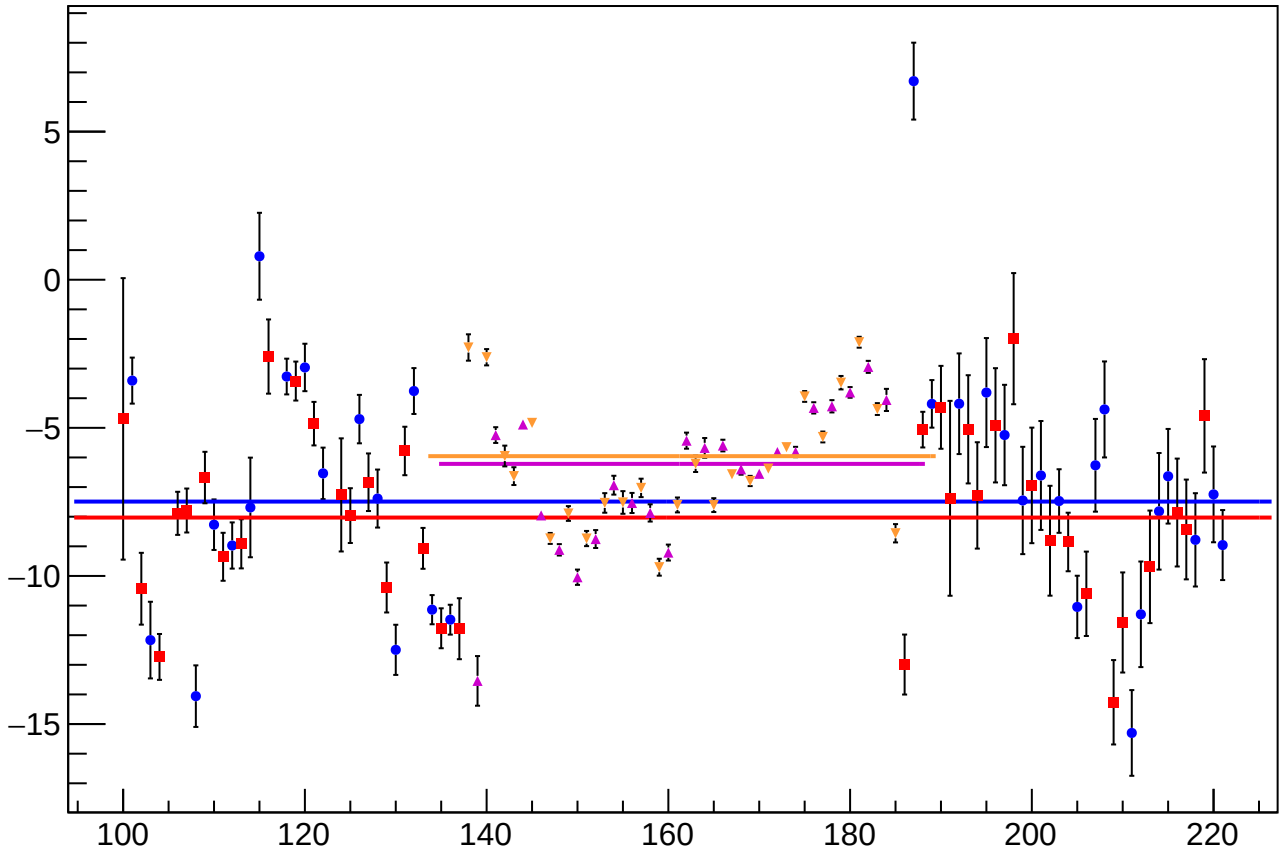
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.139+/-0.099 χ^2/NDF: 4632.8/70

In: -29.178+/-0.053 χ^2/NDF:7256.2/56

Out: -29.561+/-0.052 χ^2/NDF:8902.9/61

All: -29.372+/-0.037 χ^2/NDF: 16185.6/118



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: -8.029+/-0.168 χ^2/NDF: 298.0/36

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

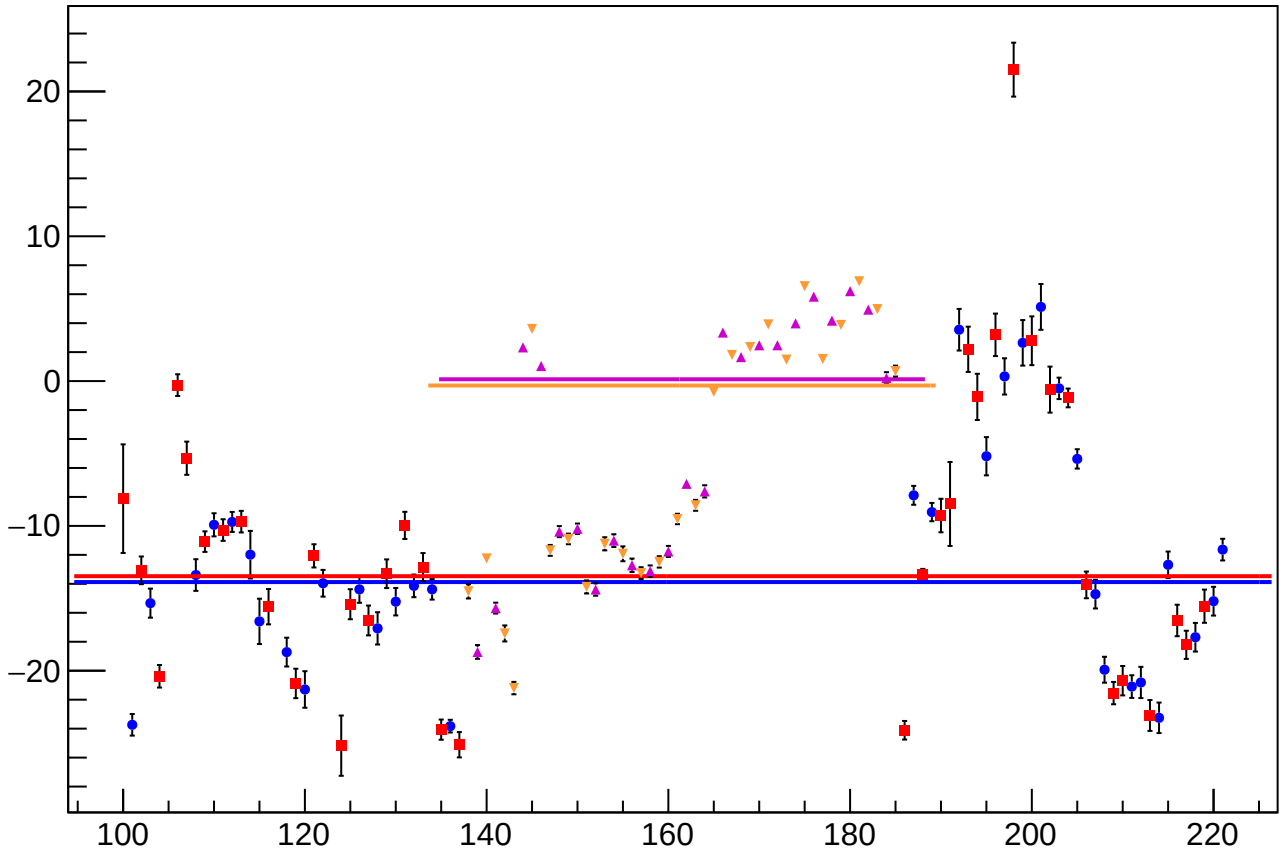
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.758+/-0.119 χ^2/NDF: 887.7/70

In: -6.299+/-0.043 χ^2/NDF:2380.1/56

Out: -6.092+/-0.043 χ^2/NDF:2297.9/61

All: -6.196+/-0.030 χ^2/NDF: 4689.8/118



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: -13.473+/-0.147 χ^2/NDF: 2751.9/36

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

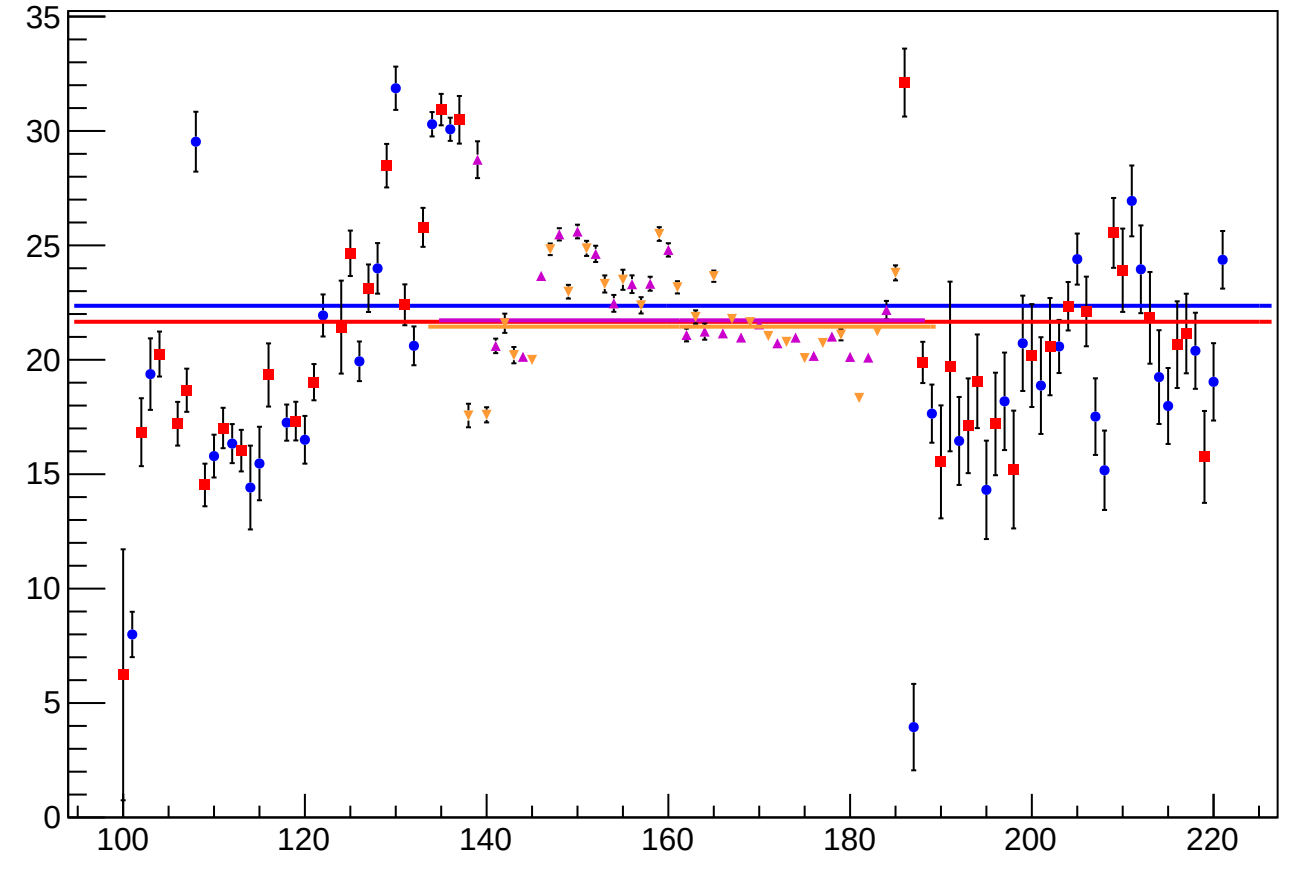
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.673+/-0.105 χ^2/NDF: 5068.4/70

In: -1.659+/-0.053 χ^2/NDF:23837.7/56

Out: -2.002+/-0.053 χ^2/NDF:26913.7/61

All: -1.832+/-0.037 χ^2/NDF: 50772.3/118



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: 21.661+/-0.195 χ^2/NDF: 653.1/36

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

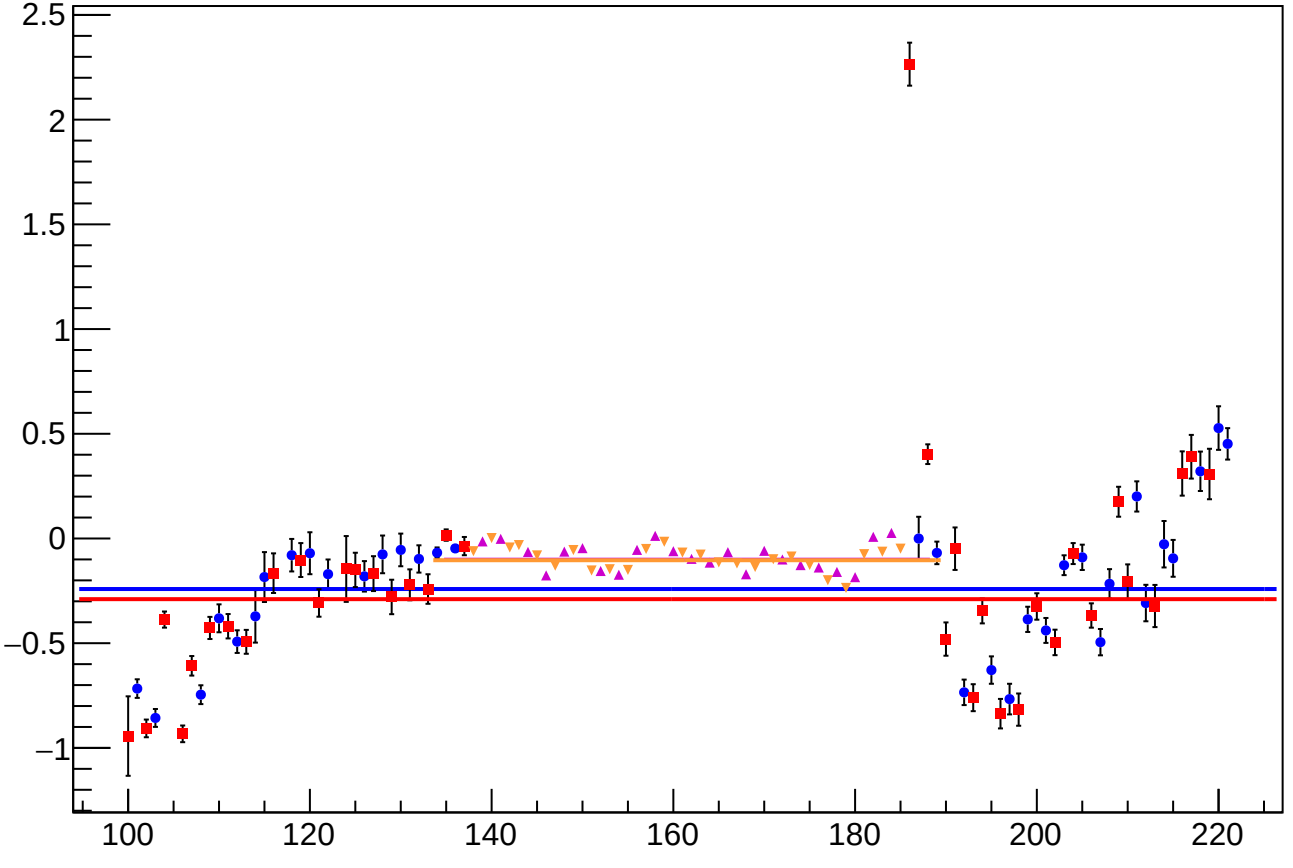
Right: 22.022+/-0.136 χ^2/NDF: 1880.4/70

In: 21.766+/-0.048 χ^2/NDF:2404.9/56

Out: 21.460+/-0.048 χ^2/NDF:1979.5/61

All: 21.613+/-0.034 χ^2/NDF: 4404.8/118

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: -0.290+/-0.010 χ^2/NDF: 1923.0/36

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

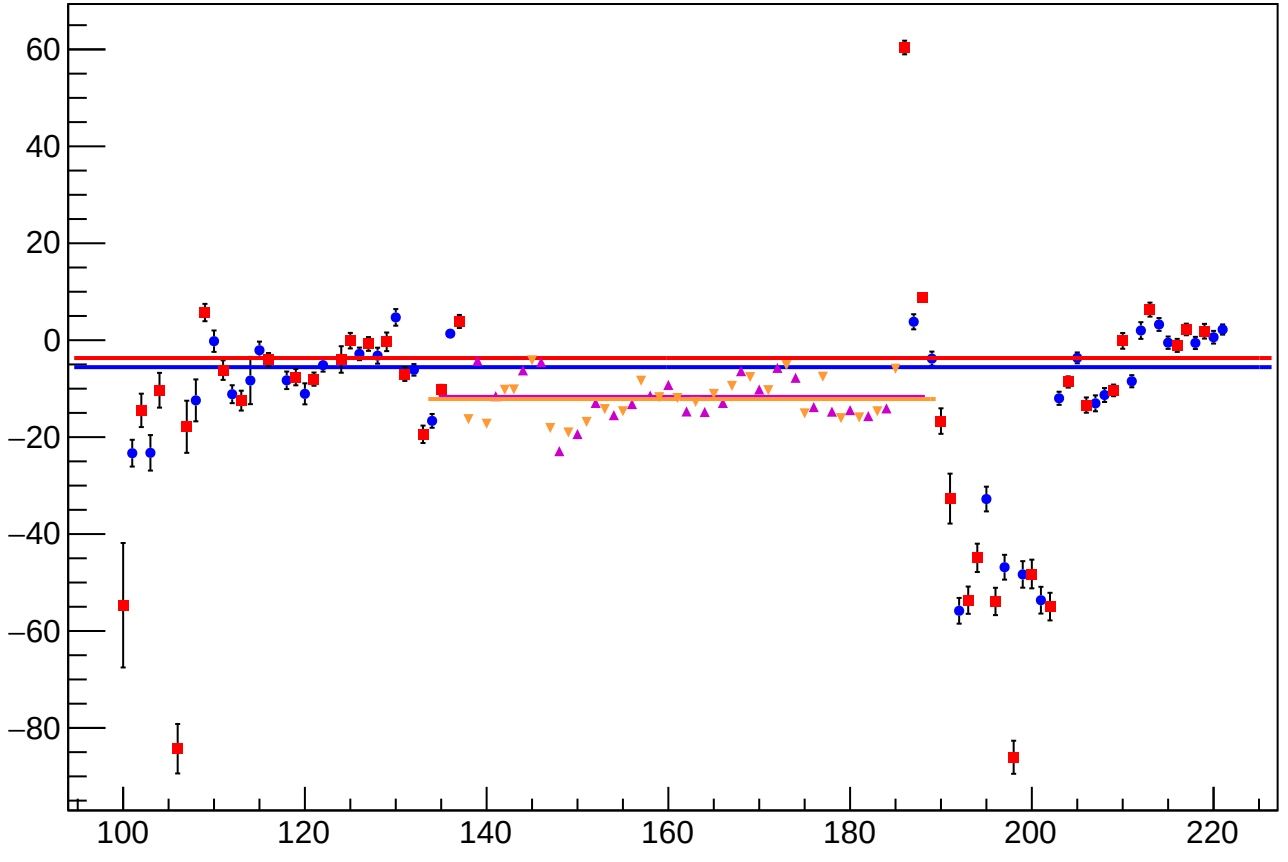
Right: -0.264+/-0.007 χ^2/NDF: 3003.1/70

In: -0.109+/-0.002 χ^2/NDF:2032.1/56

Out: -0.113+/-0.002 χ^2/NDF:2805.3/61

All: -0.111+/-0.002 χ^2/NDF: 4839.0/118

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -3.676+/-0.275 χ^2/NDF: 5008.6/36

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

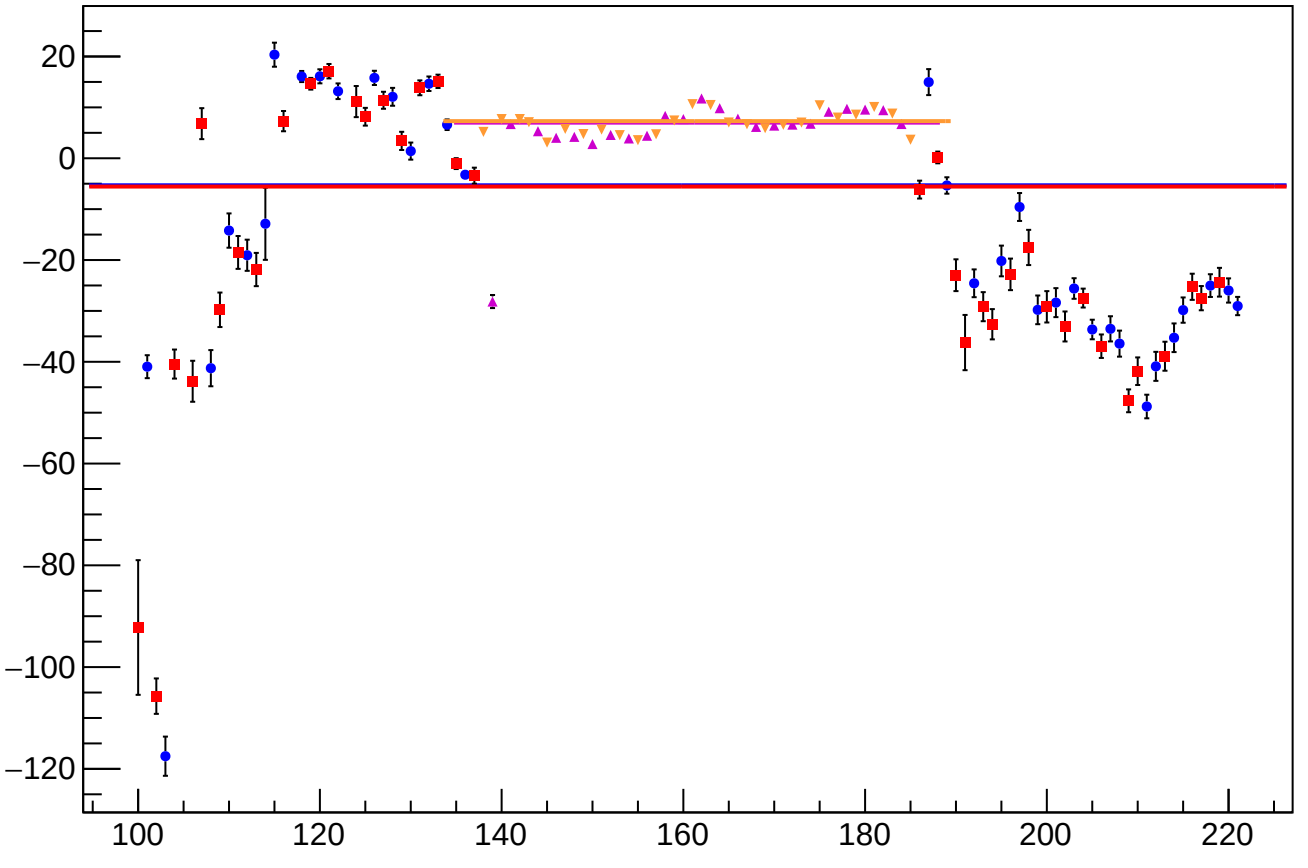
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -4.675+/-0.188 χ^2/NDF: 6892.9/70

In: -10.979+/-0.089 χ^2/NDF:4306.9/56

Out: -11.296+/-0.087 χ^2/NDF:7995.1/61

All: -11.141+/-0.062 χ^2/NDF: 12308.6/118



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: -5.560+/-0.336 χ^2/NDF: 4096.5/36

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

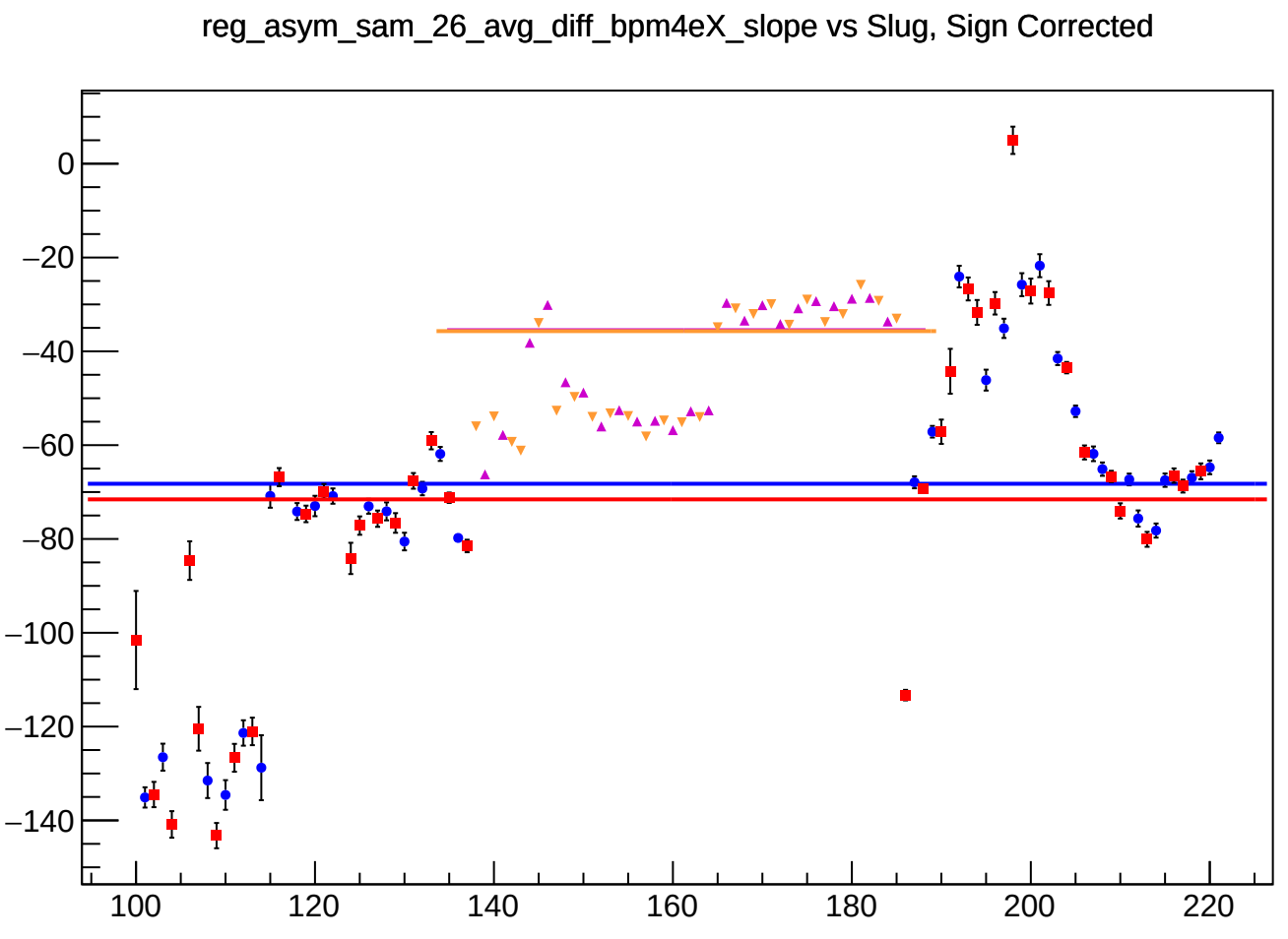
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: -5.428+/-0.230 χ^2/NDF: 8809.7/70

In: 6.330+/-0.074 χ^2/NDF:7725.7/56

Out: 6.688+/-0.073 χ^2/NDF:6312.3/61

All: 6.511+/-0.052 χ^2/NDF: 14049.9/118



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: -71.560+/-0.280 χ^2/NDF: 7006.6/36

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

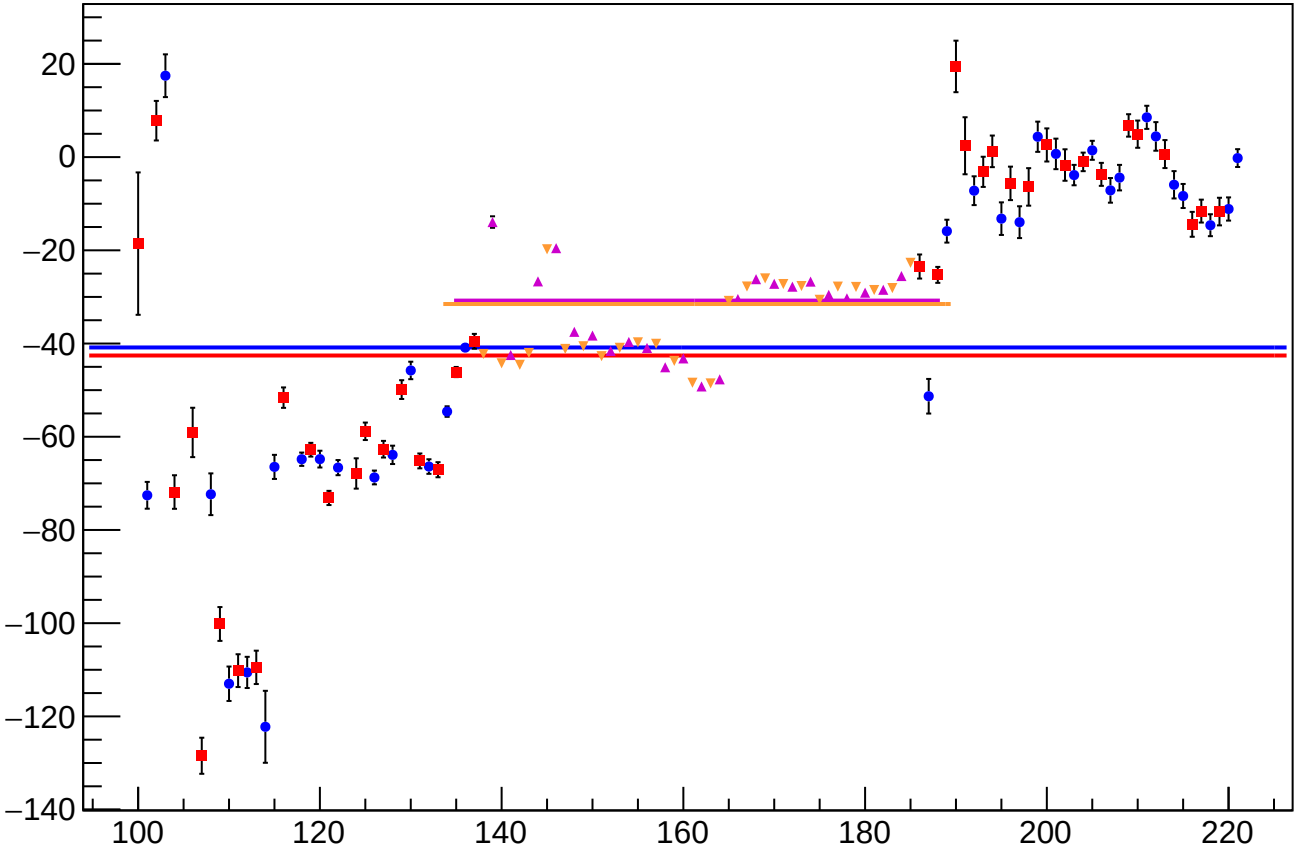
Right: -69.836+/-0.194 χ^2/NDF: 12178.2/70

In: -39.073+/-0.089 χ^2/NDF:29346.2/56

Out: -39.198+/-0.088 χ^2/NDF:34577.3/61

All: -39.137+/-0.063 χ^2/NDF: 63924.5/118

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: -42.570+/-0.383 χ^2/NDF: 6110.9/36

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

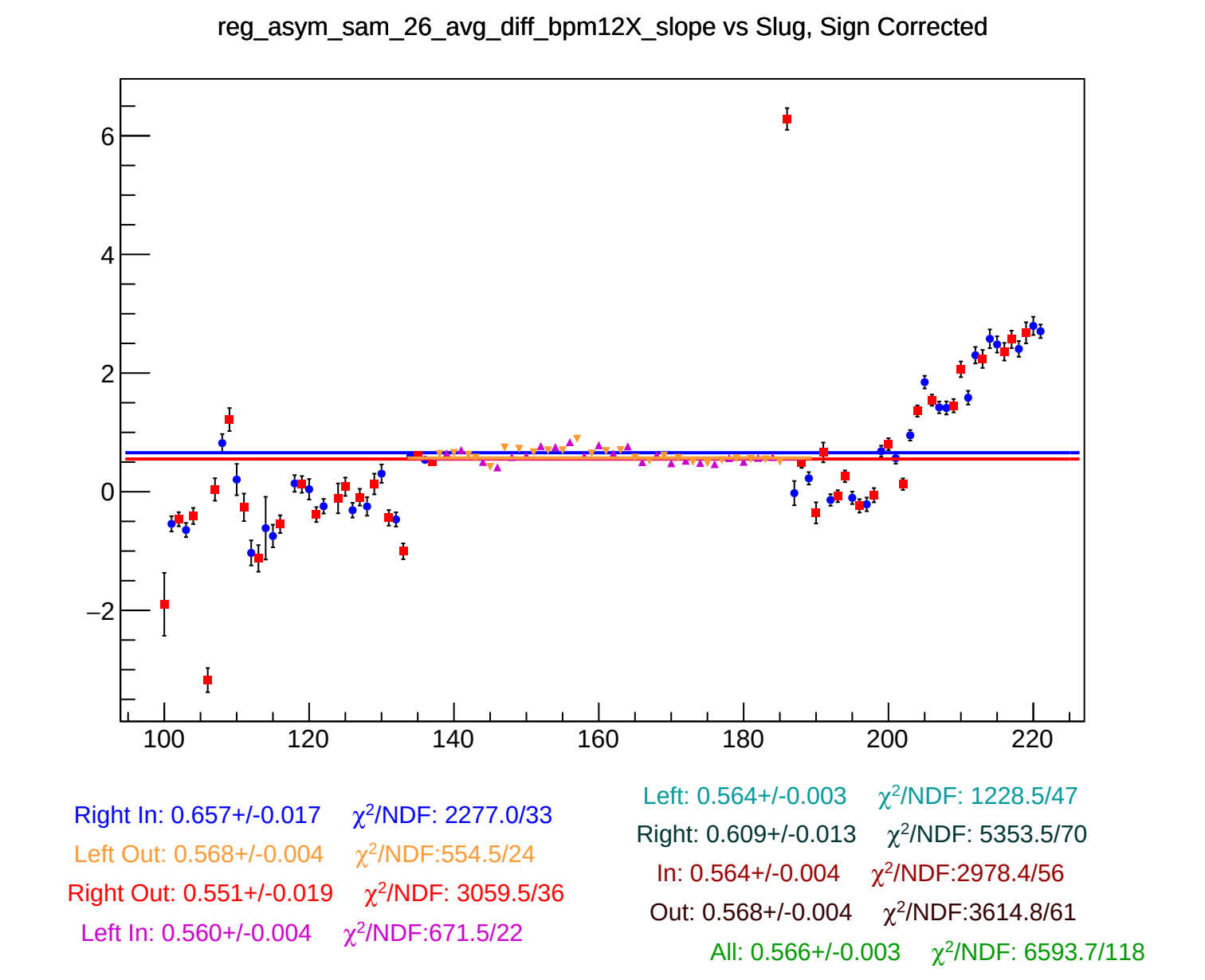
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

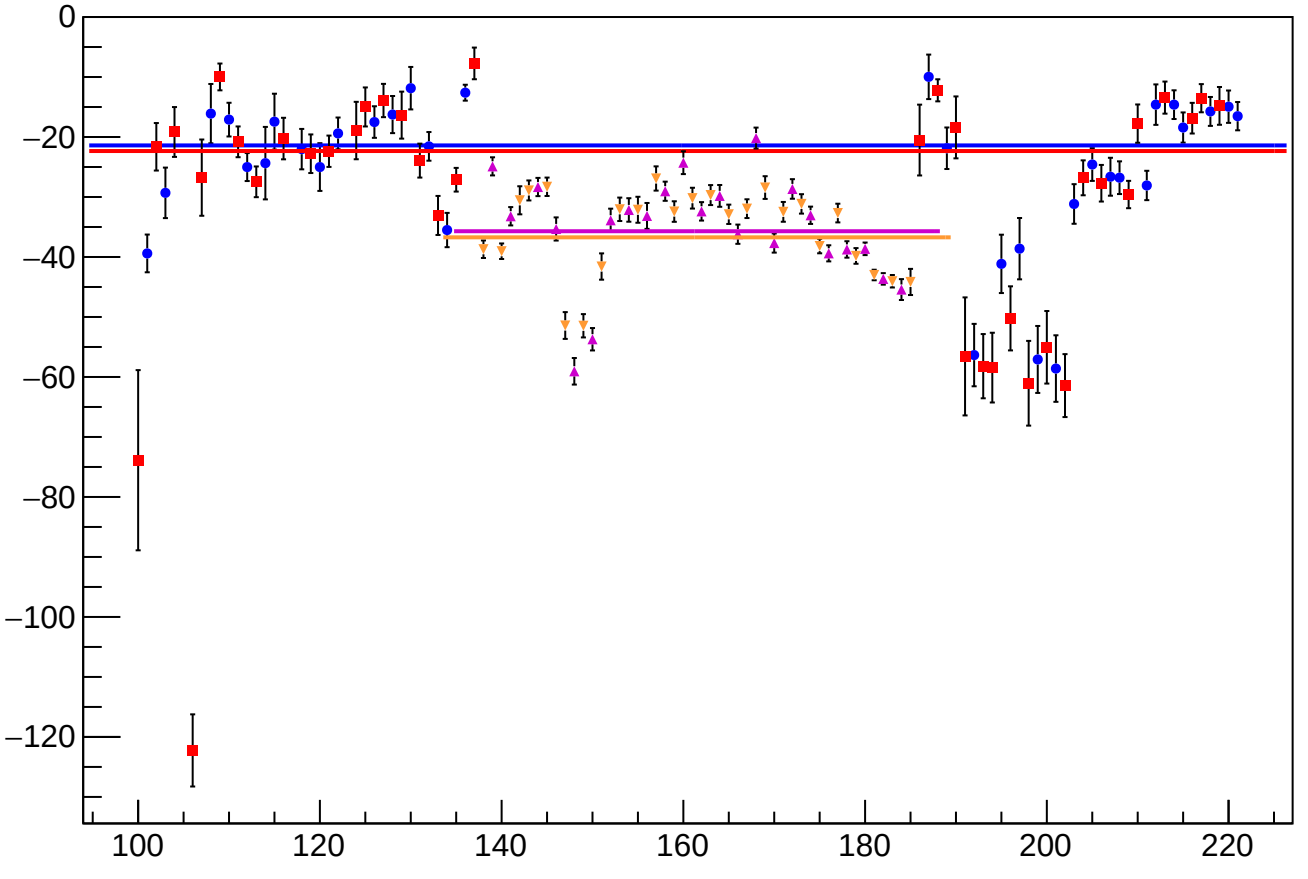
Right: -41.632+/-0.259 χ^2/NDF: 12502.2/70

In: -31.336+/-0.082 χ^2/NDF:14702.7/56

Out: -32.012+/-0.081 χ^2/NDF:15362.3/61

All: -31.678+/-0.058 χ^2/NDF: 30099.5/118


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: 0.551+/-0.019 χ²/NDF: 3059.5/36
Left In: 0.560+/-0.004 χ²/NDF:671.5/22
Left: 0.564+/-0.003 χ²/NDF: 1228.5/47
Right: 0.609+/-0.013 χ²/NDF: 5353.5/70
In: 0.564+/-0.004 χ²/NDF:2978.4/56
Out: 0.568+/-0.004 χ²/NDF:3614.8/61
All: 0.566+/-0.003 χ²/NDF: 6593.7/118



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: -22.338+/-0.526 χ^2/NDF: 710.8/36

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

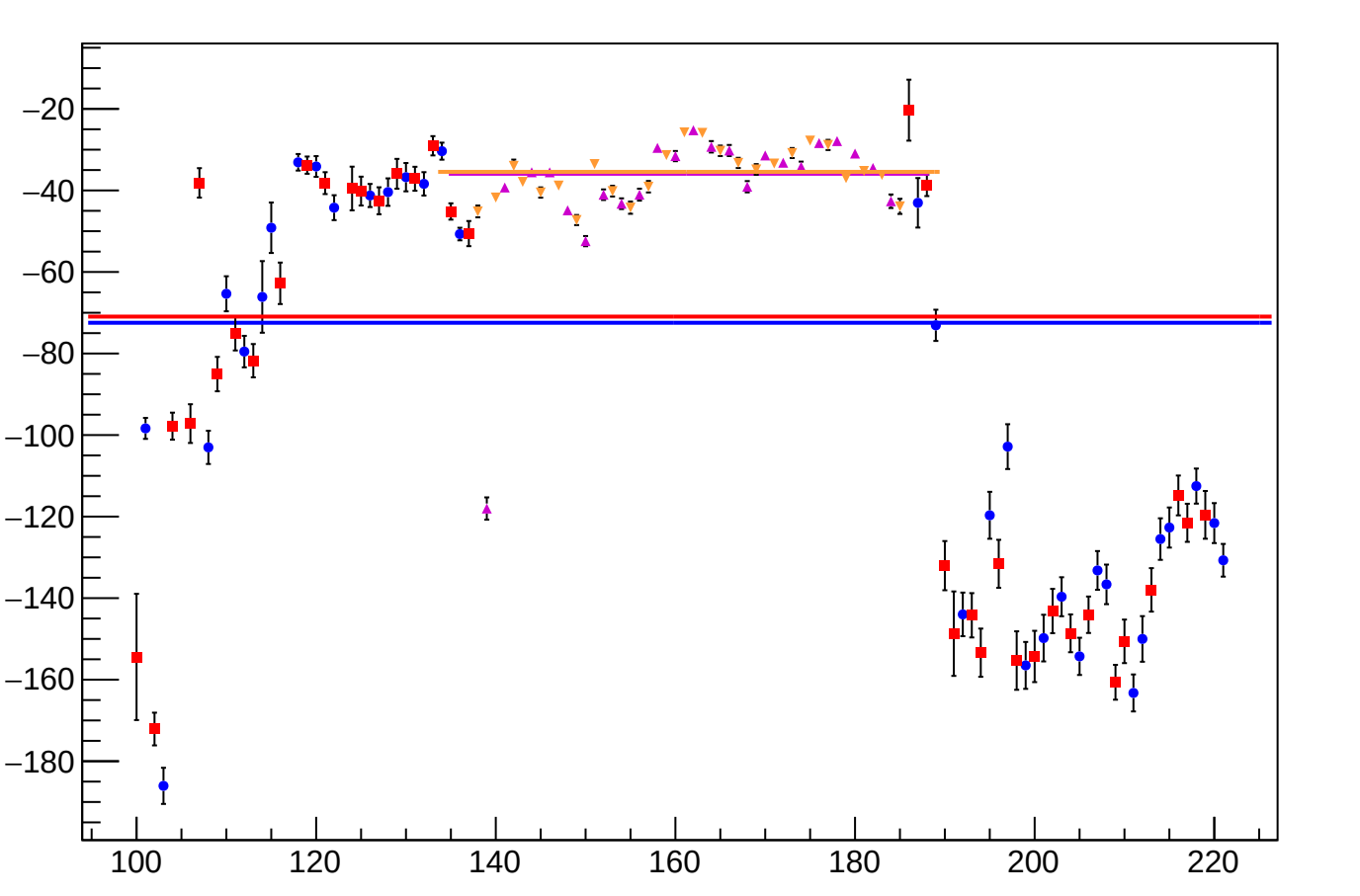
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -21.849+/-0.364 χ^2/NDF: 1059.0/70

In: -31.530+/-0.272 χ^2/NDF:1497.1/56

Out: -33.015+/-0.267 χ^2/NDF:1686.1/61

All: -32.286+/-0.191 χ^2/NDF: 3198.4/118



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: -70.944+/-0.633 χ^2/NDF: 5220.6/36

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

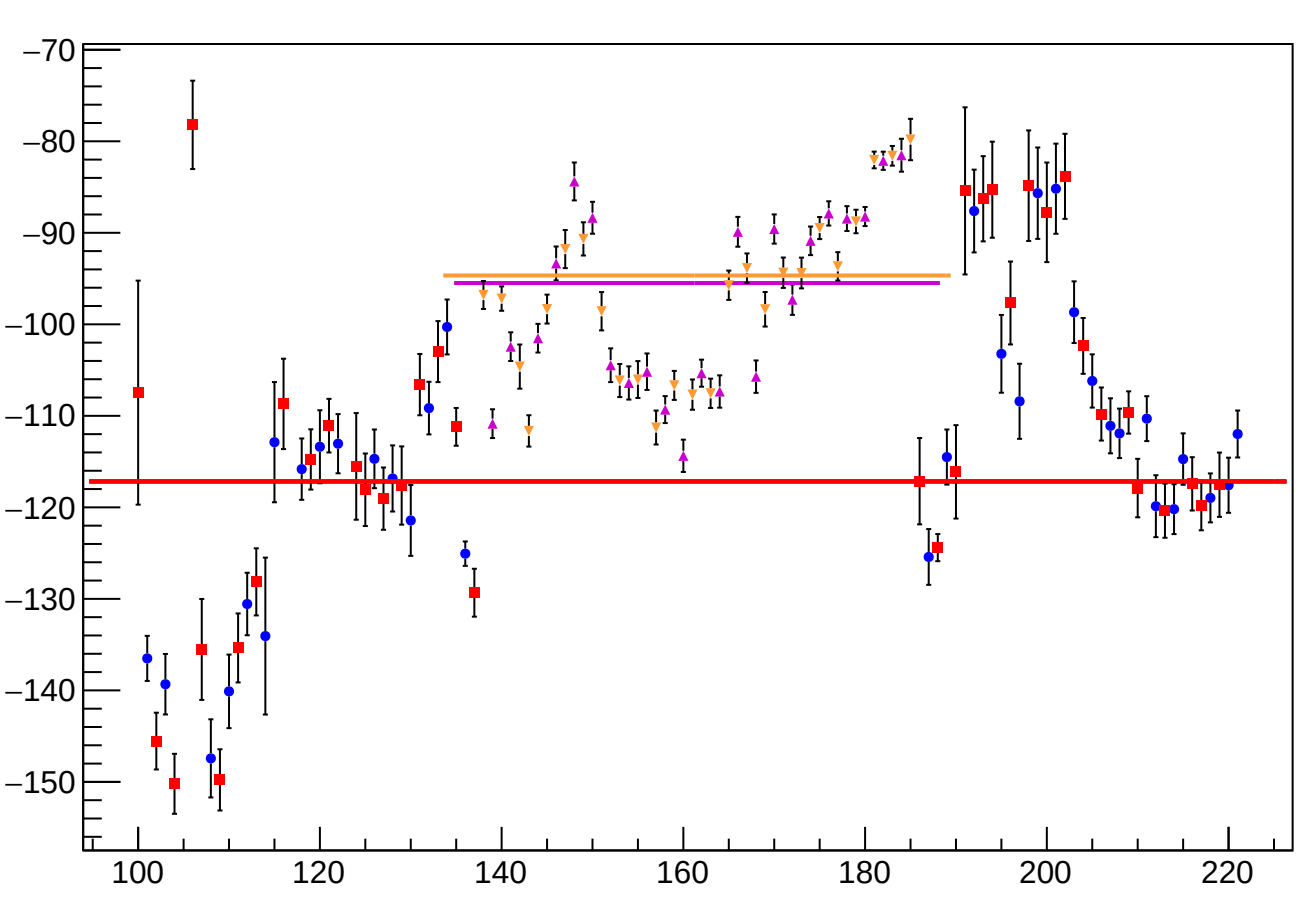
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -71.736+/-0.437 χ^2/NDF: 10569.8/70

In: -41.490+/-0.236 χ^2/NDF:9995.9/56

Out: -40.062+/-0.228 χ^2/NDF:8493.8/61

All: -40.754+/-0.164 χ^2/NDF: 18508.6/118



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: -117.127+/-0.550 χ^2/NDF: 743.3/36

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

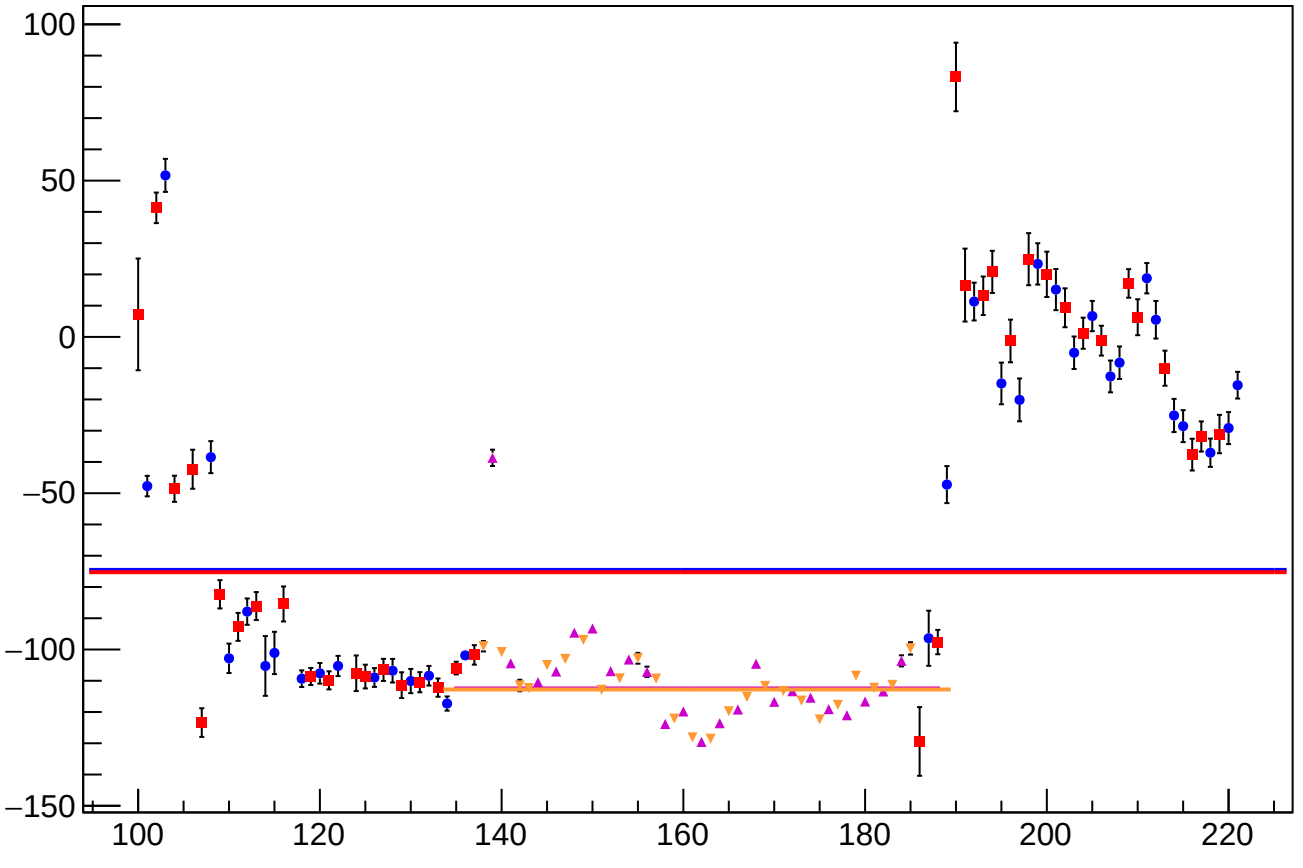
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.163+/-0.380 χ^2/NDF: 1246.7/70

In: -101.381+/-0.274 χ^2/NDF:2713.3/56

Out: -100.078+/-0.270 χ^2/NDF:2910.6/61

All: -100.719+/-0.192 χ^2/NDF: 5635.4/118



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: -75.259+/-0.720 χ^2/NDF: 4698.0/36

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

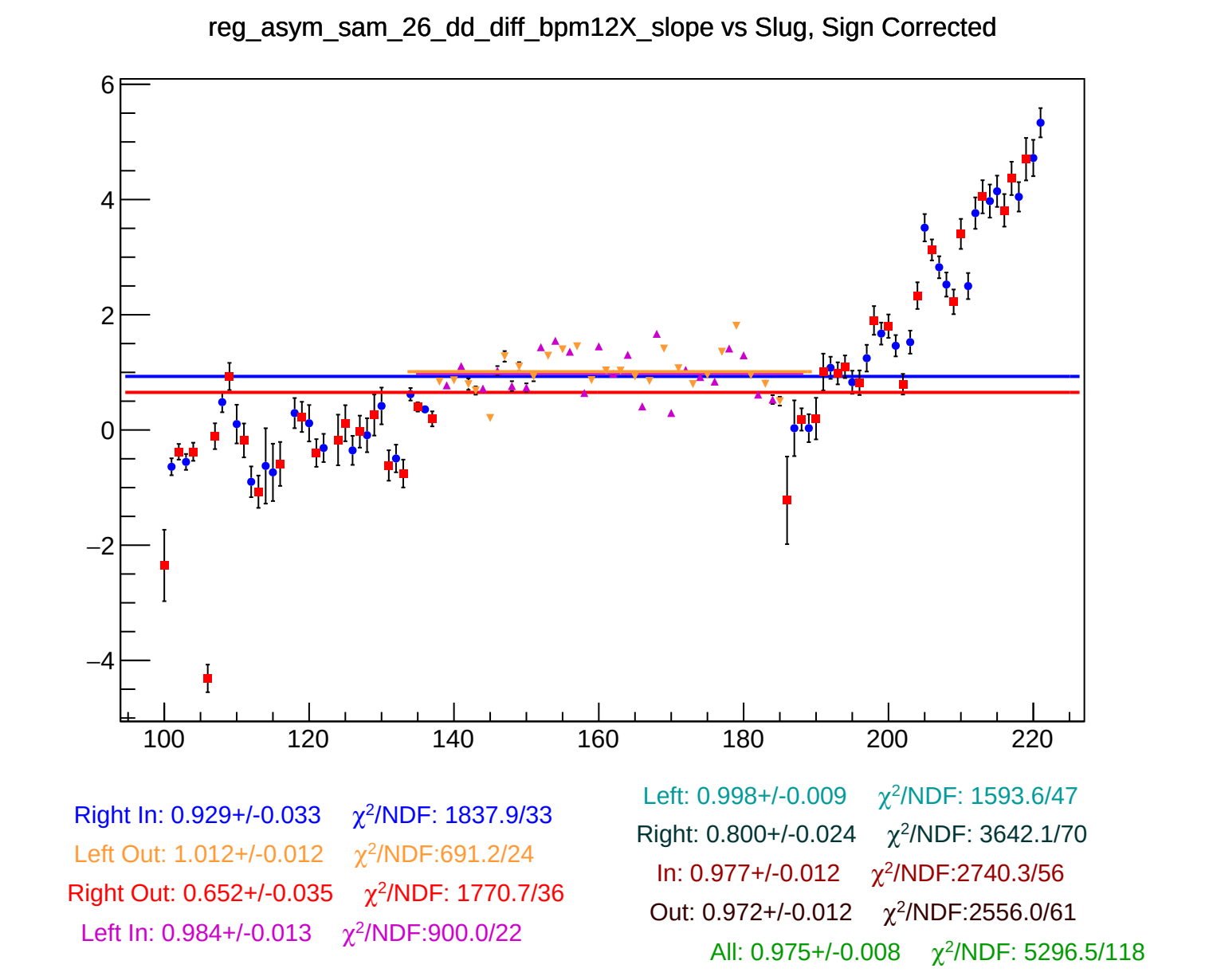
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

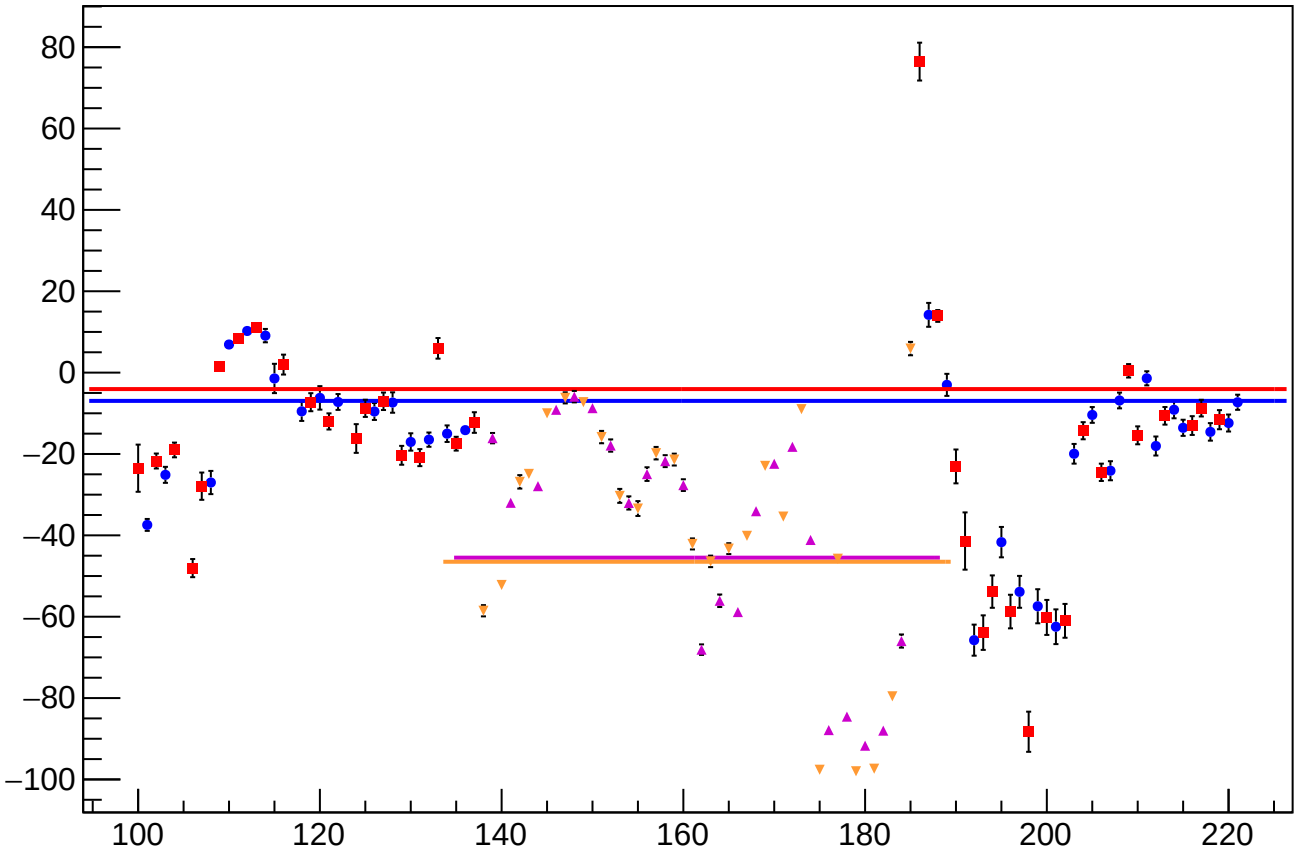
Right: -74.874+/-0.493 χ^2/NDF: 9490.8/70

In: -106.744+/-0.262 χ^2/NDF:9255.8/56

Out: -108.044+/-0.256 χ^2/NDF:8008.7/61

All: -107.410+/-0.183 χ^2/NDF: 17277.1/118


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: 0.929+/-0.033 χ²/NDF: 1837.9/33
Left Out: 1.012+/-0.012 χ²/NDF:691.2/24
Right Out: 0.652+/-0.035 χ²/NDF: 1770.7/36
Left In: 0.984+/-0.013 χ²/NDF:900.0/22
Left: 0.998+/-0.009 χ²/NDF: 1593.6/47
Right: 0.800+/-0.024 χ²/NDF: 3642.1/70
In: 0.977+/-0.012 χ²/NDF:2740.3/56
Out: 0.972+/-0.012 χ²/NDF:2556.0/61
All: 0.975+/-0.008 χ²/NDF: 5296.5/118



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: -4.046+/-0.295 χ^2/NDF: 3452.0/36

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

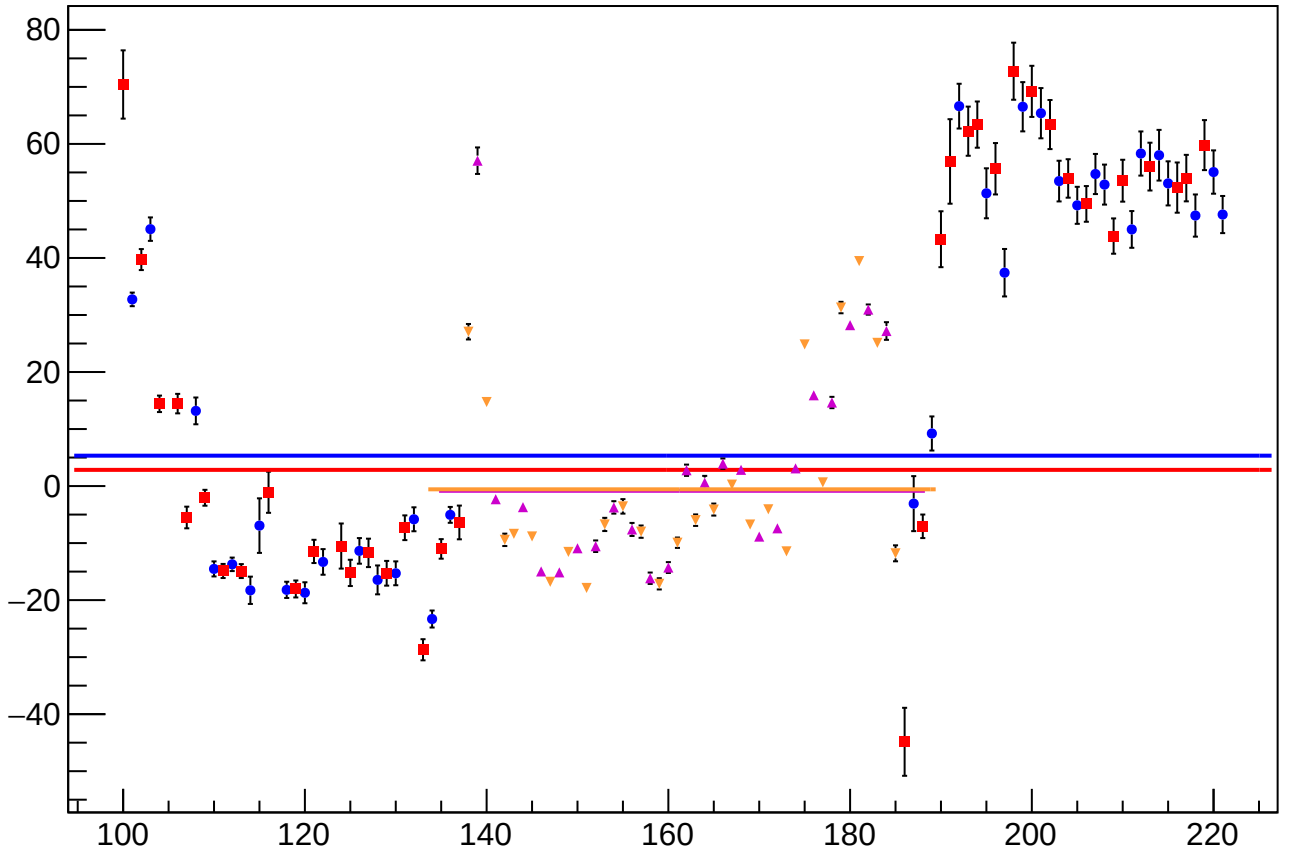
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -5.413+/-0.215 χ^2/NDF: 6094.7/70

In: -31.373+/-0.189 χ^2/NDF:27795.3/56

Out: -30.431+/-0.181 χ^2/NDF:36377.5/61

All: -30.882+/-0.131 χ^2/NDF: 64185.6/118



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: 2.841+/-0.383 χ^2/NDF: 4700.5/36

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

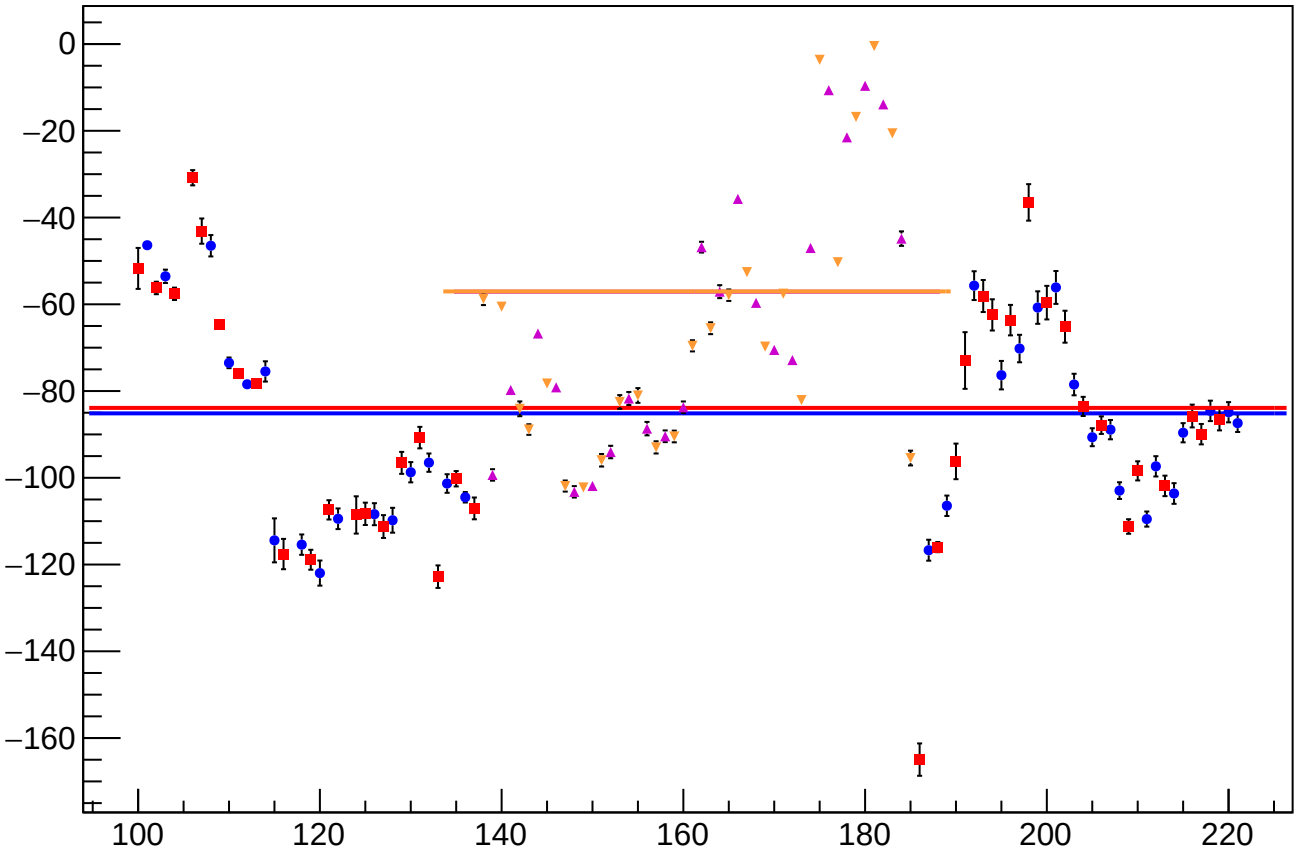
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 4.071+/-0.272 χ^2/NDF: 10066.3/70

In: 0.297+/-0.165 χ^2/NDF:11668.4/56

Out: 0.031+/-0.161 χ^2/NDF:13217.5/61

All: 0.160+/-0.115 χ^2/NDF: 24887.2/118



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: -83.884+/-0.338 χ^2/NDF: 5297.7/36

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

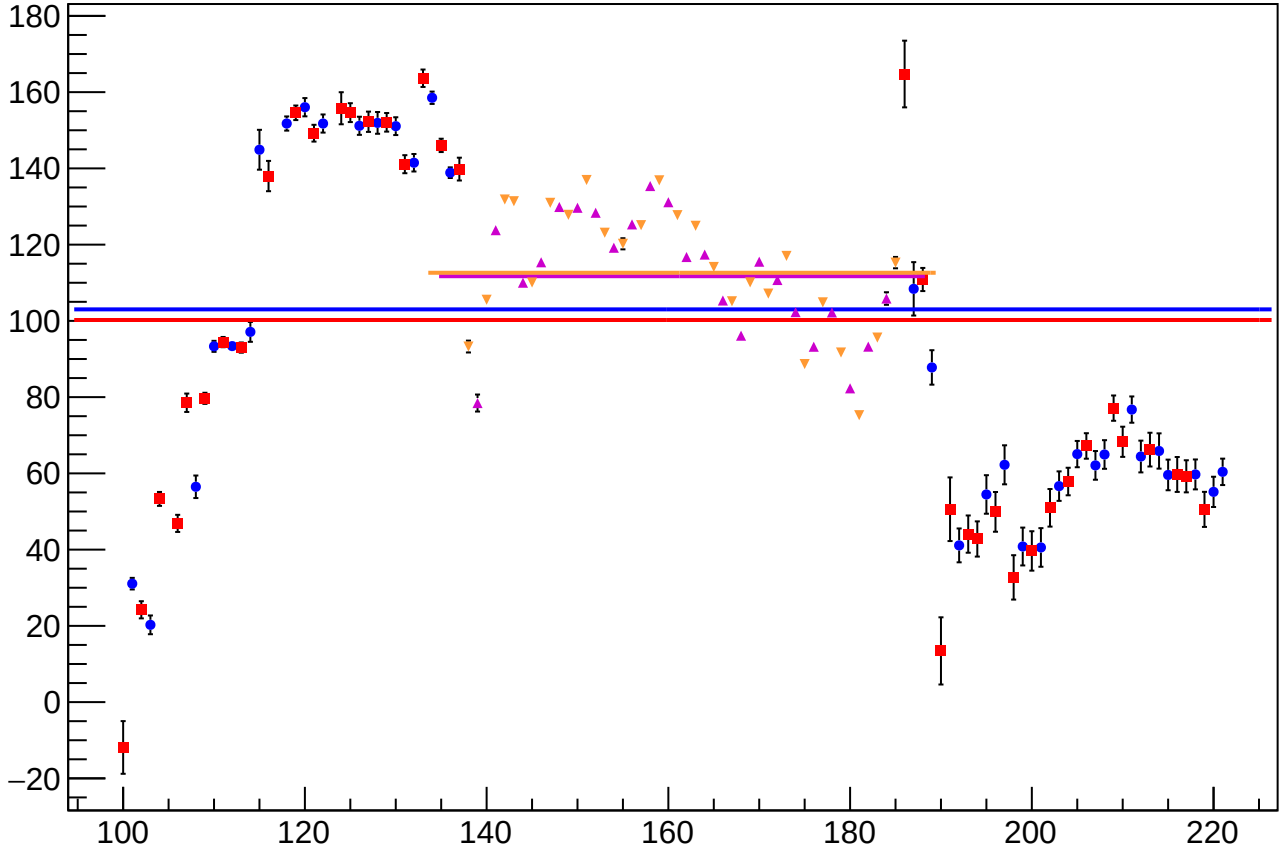
Right: -84.501+/-0.242 χ^2/NDF: 9113.2/70

In: -66.021+/-0.195 χ^2/NDF:25452.3/56

Out: -65.506+/-0.190 χ^2/NDF:29915.0/61

All: -65.756+/-0.136 χ^2/NDF: 55370.9/118

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: 100.233+/-0.436 χ^2/NDF: 9423.4/36

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

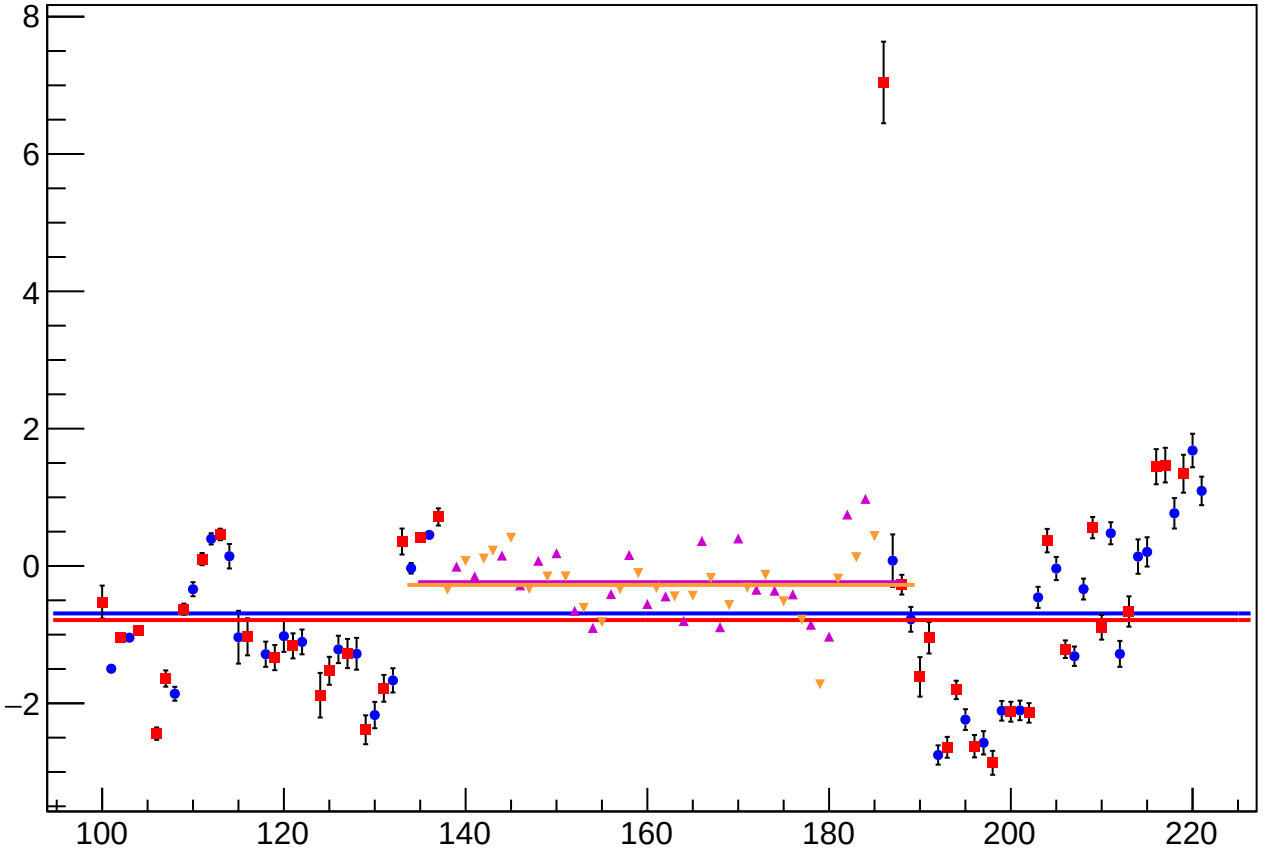
Right: 101.620+/-0.309 χ^2/NDF: 19977.1/70

In: 110.144+/-0.186 χ^2/NDF:15753.3/56

Out: 110.473+/-0.182 χ^2/NDF:16798.5/61

All: 110.312+/-0.130 χ^2/NDF: 32553.4/118

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691+/-0.022 χ^2/NDF: 2107.5/33

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.788+/-0.022 χ^2/NDF: 2537.8/36

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

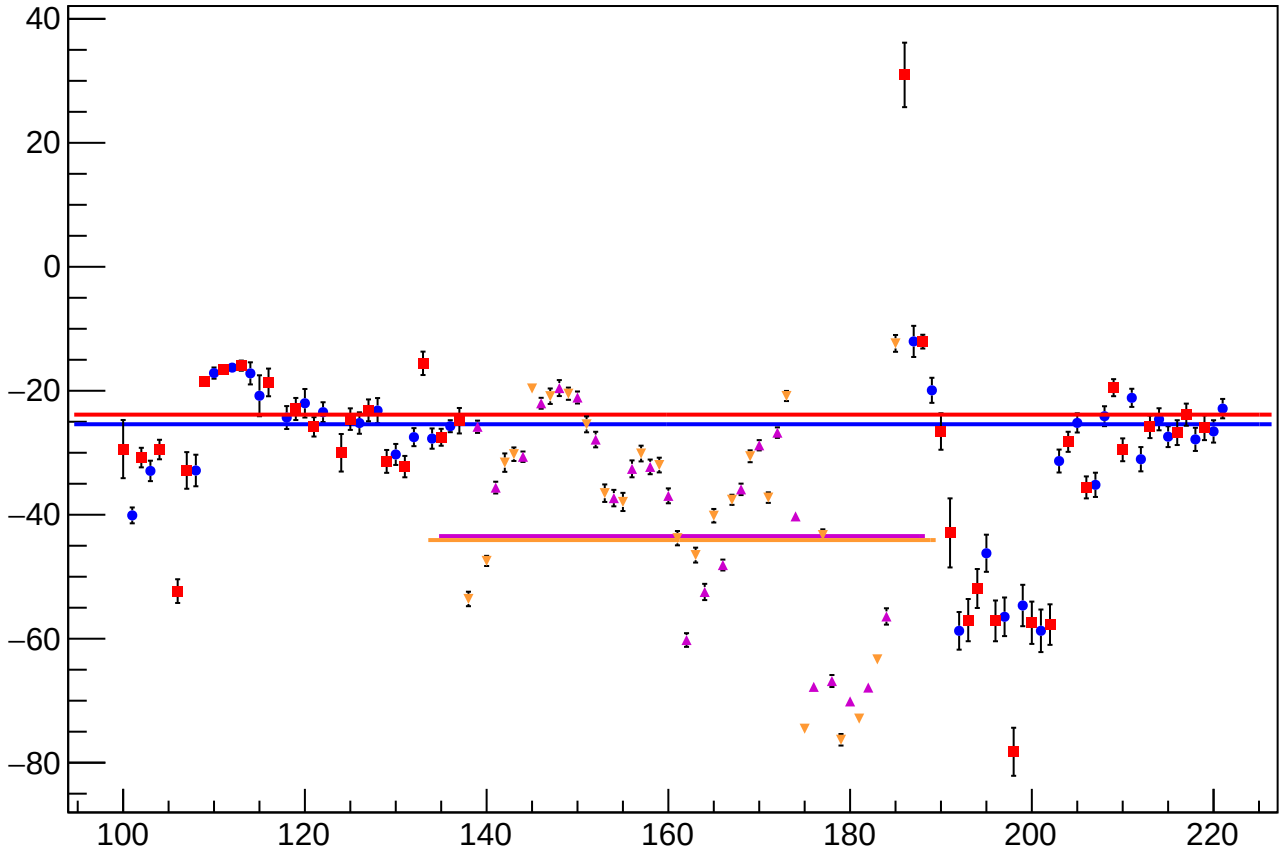
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.740+/-0.015 χ^2/NDF: 4655.2/70

In: -0.305+/-0.008 χ^2/NDF:5438.3/56

Out: -0.352+/-0.008 χ^2/NDF:5141.2/61

All: -0.329+/-0.006 χ^2/NDF: 10595.0/118



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: -23.850+/-0.269 χ^2/NDF: 1562.0/36

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

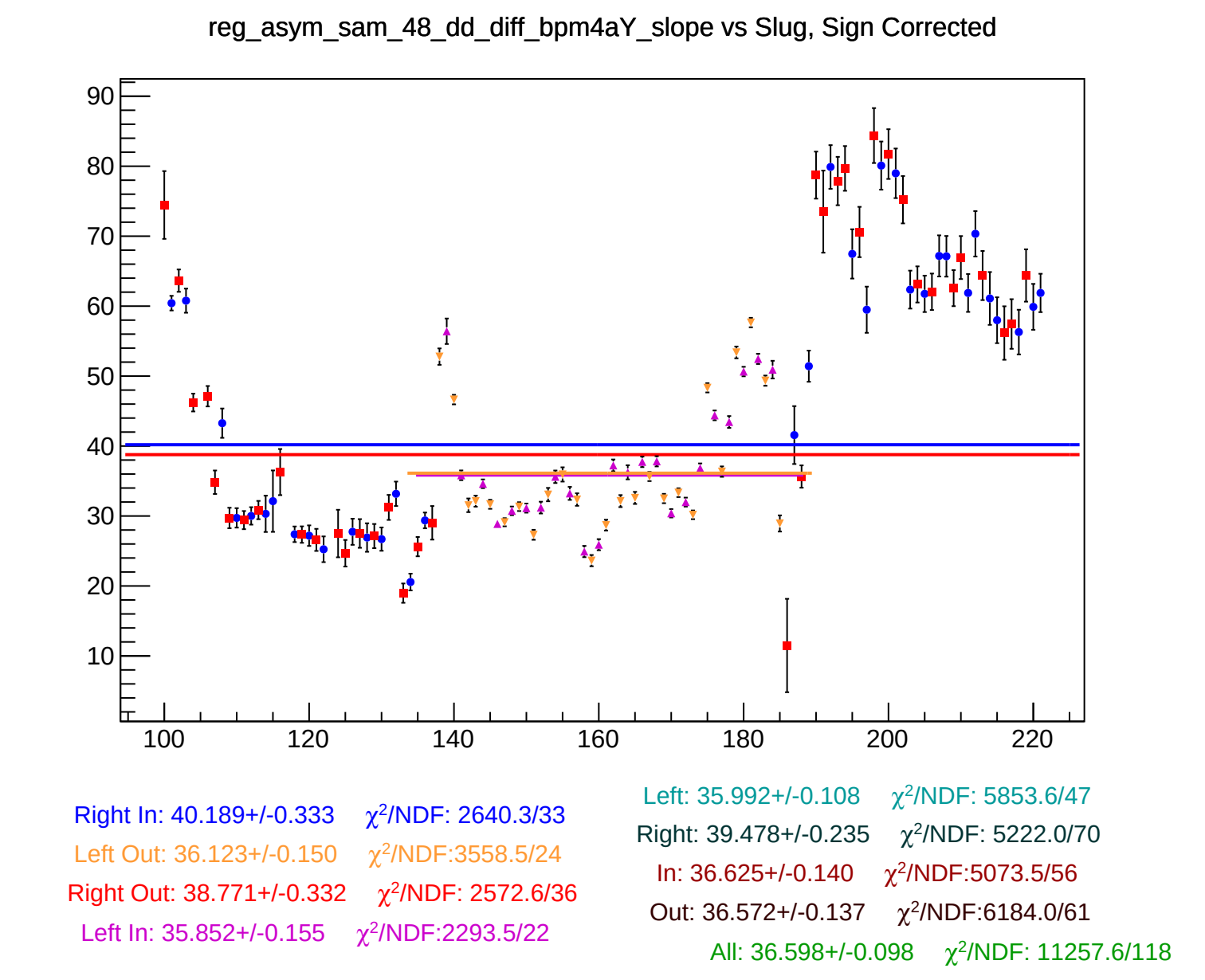
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

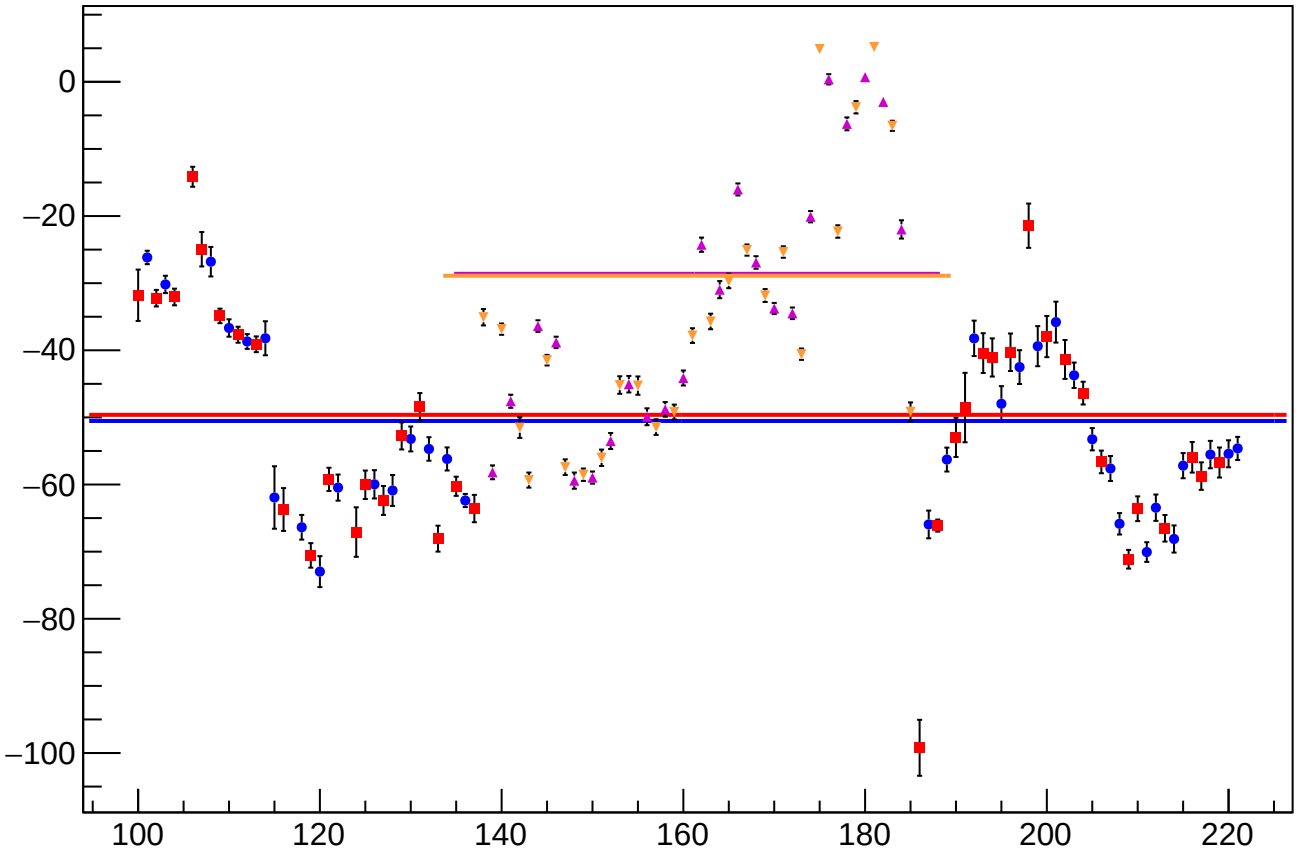
Right: -24.599+/-0.193 χ^2/NDF: 2544.8/70

In: -37.353+/-0.162 χ^2/NDF:11570.5/56

Out: -37.210+/-0.157 χ^2/NDF:15637.9/61

All: -37.279+/-0.113 χ^2/NDF: 27208.9/118


reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 40.189+/-0.333 χ²/NDF: 2640.3/33
Left Out: 36.123+/-0.150 χ²/NDF:3558.5/24
Right Out: 38.771+/-0.332 χ²/NDF: 2572.6/36
Left In: 35.852+/-0.155 χ²/NDF:2293.5/22
Left: 35.992+/-0.108 χ²/NDF: 5853.6/47
Right: 39.478+/-0.235 χ²/NDF: 5222.0/70
In: 36.625+/-0.140 χ²/NDF:5073.5/56
Out: 36.572+/-0.137 χ²/NDF:6184.0/61
All: 36.598+/-0.098 χ²/NDF: 11257.6/118



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: -49.617+/-0.295 χ^2/NDF: 2937.3/36

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

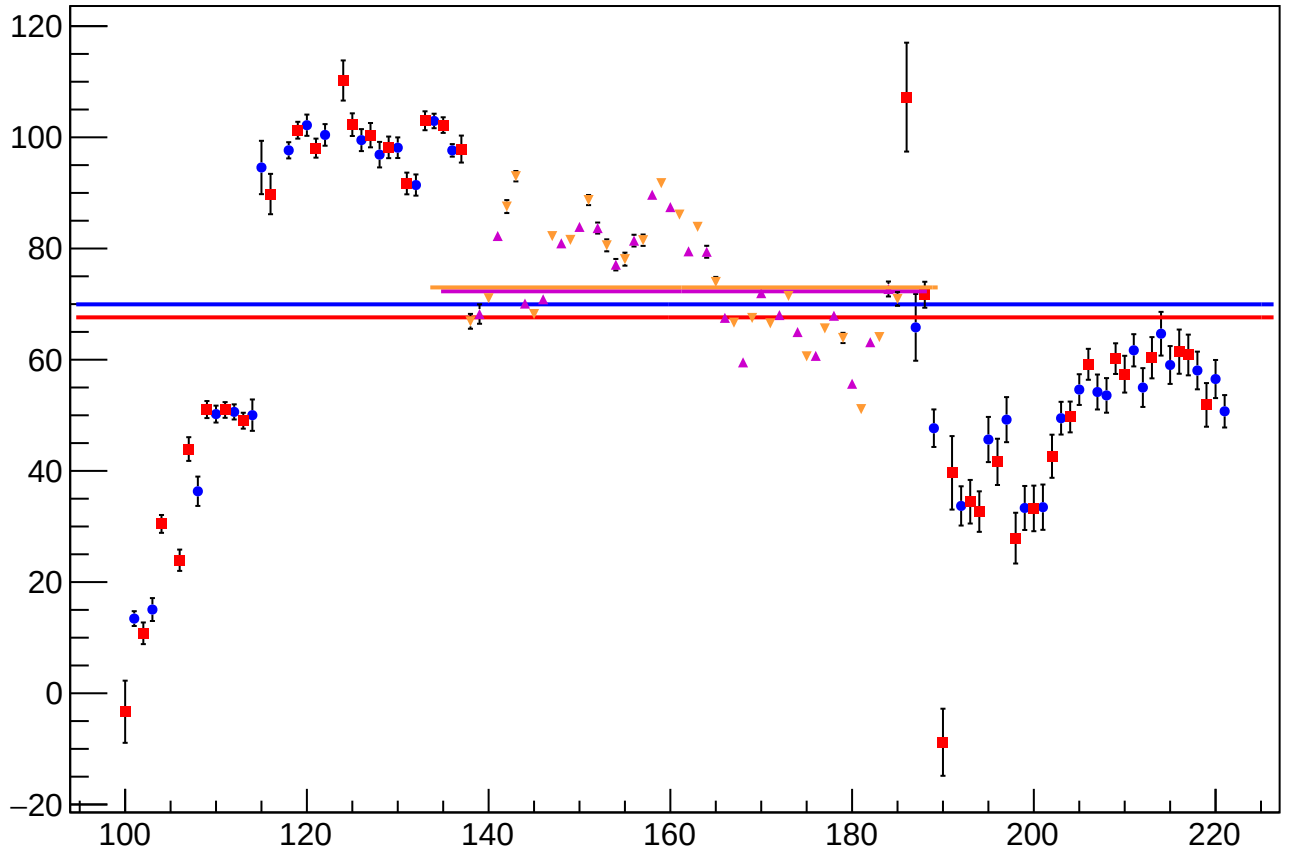
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -50.068+/-0.210 χ^2/NDF: 5142.4/70

In: -35.283+/-0.165 χ^2/NDF:15958.8/56

Out: -35.100+/-0.161 χ^2/NDF:18199.2/61

All: -35.190+/-0.115 χ^2/NDF: 34158.6/118



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: 67.617+/-0.381 χ^2/NDF: 6391.3/36

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

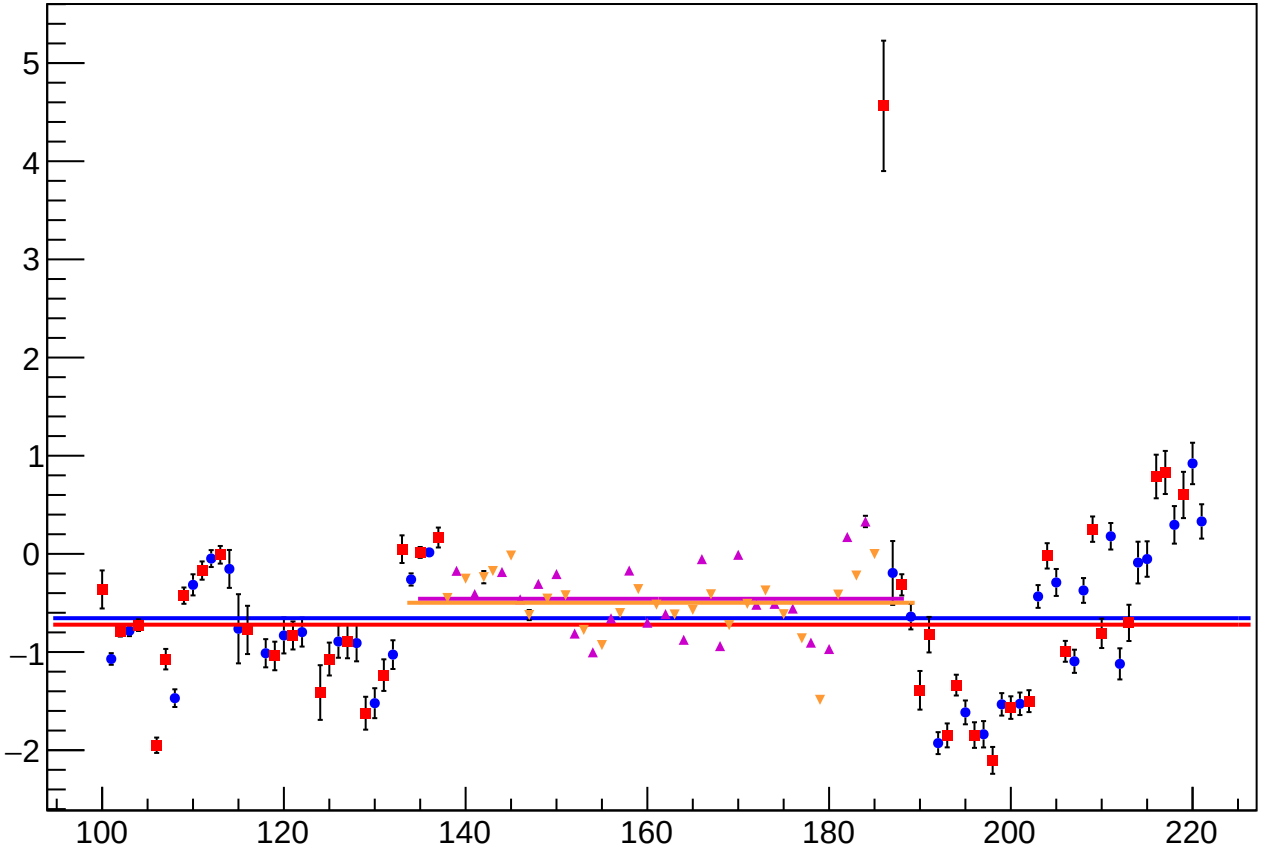
Right: 68.797+/-0.268 χ^2/NDF: 12999.3/70

In: 71.894+/-0.158 χ^2/NDF:9533.4/56

Out: 72.121+/-0.154 χ^2/NDF:10610.9/61

All: 72.010+/-0.110 χ^2/NDF: 20145.3/118

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: -0.721+/-0.018 χ^2/NDF: 1420.4/36

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

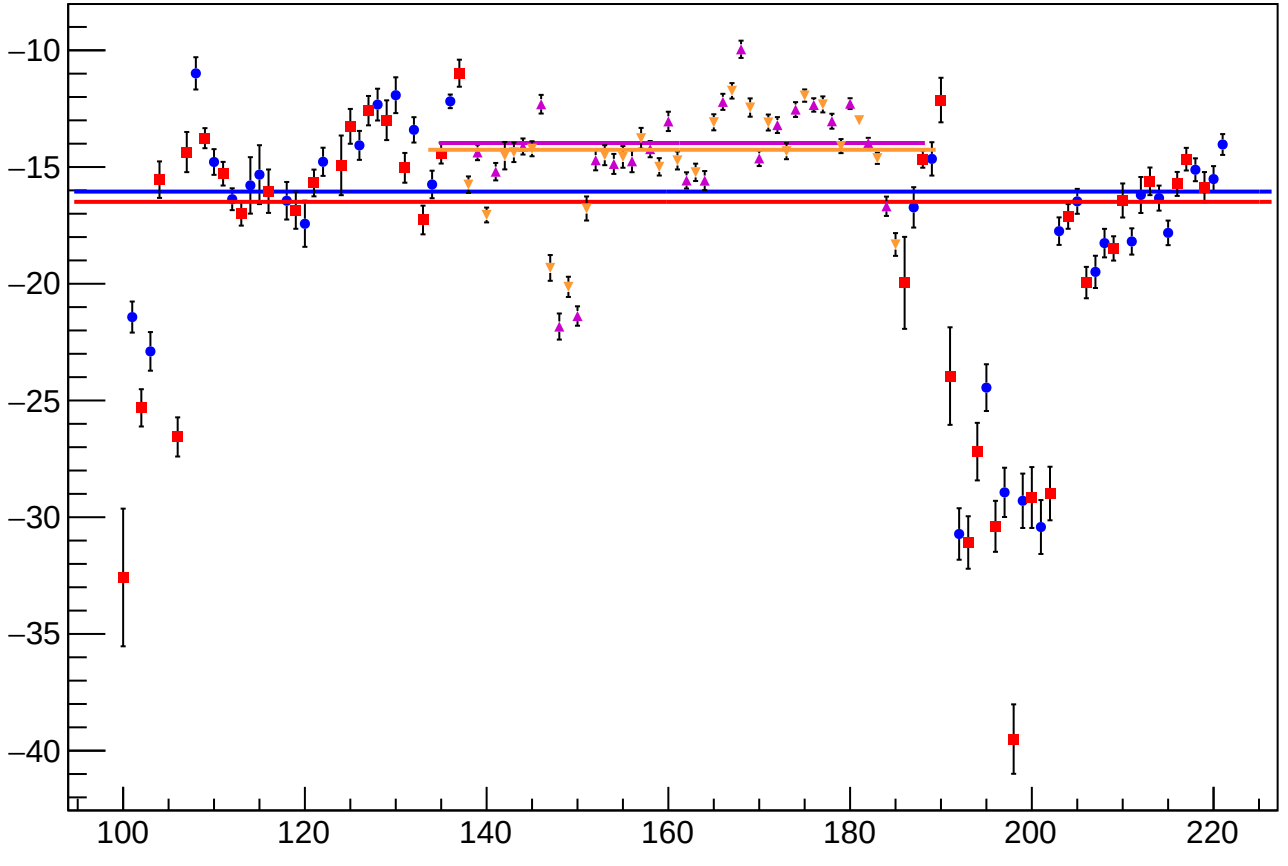
Right: -0.688+/-0.013 χ^2/NDF: 2532.4/70

In: -0.487+/-0.007 χ^2/NDF:3306.5/56

Out: -0.530+/-0.007 χ^2/NDF:3029.0/61

All: -0.509+/-0.005 χ^2/NDF: 6354.5/118

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: -16.491+/-0.110 χ^2/NDF: 1529.8/36

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

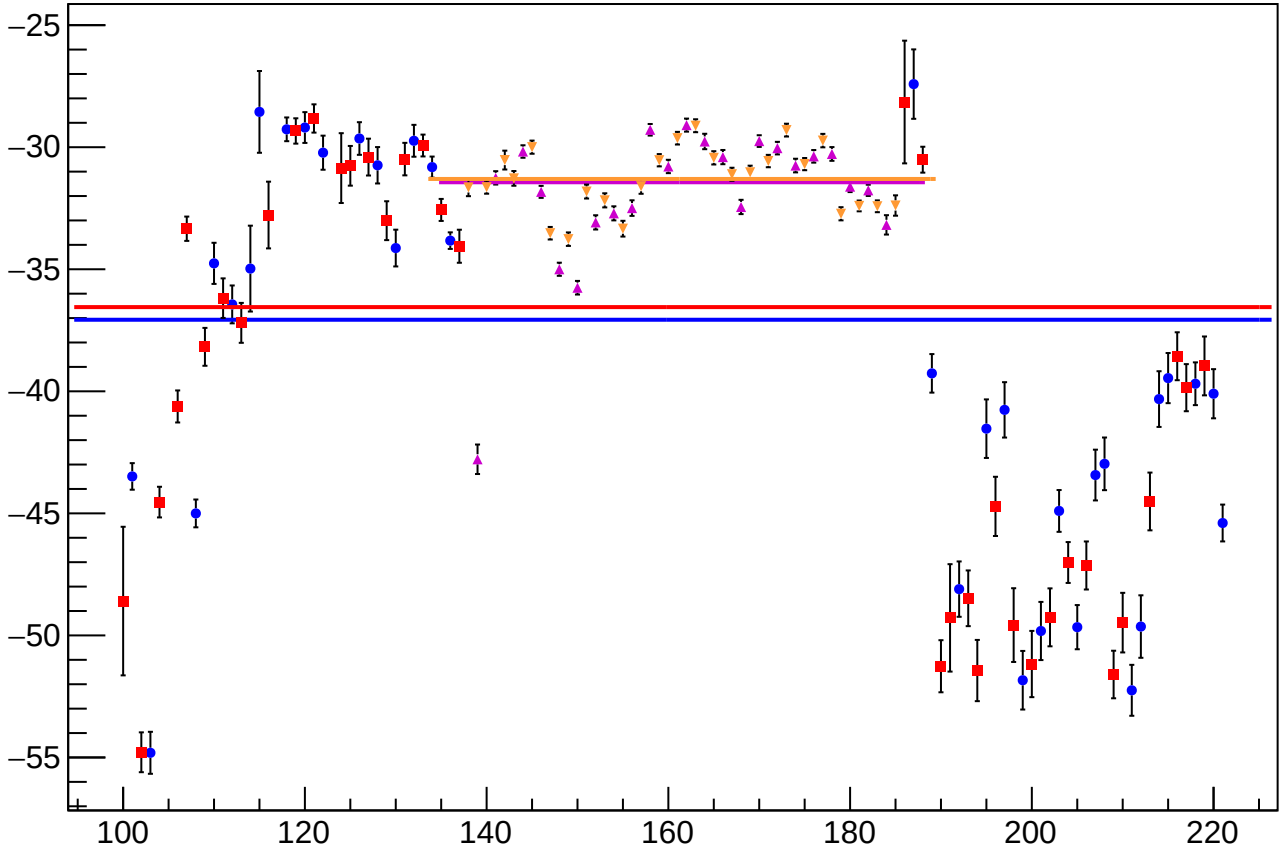
Right: -16.264+/-0.077 χ^2/NDF: 2789.3/70

In: -14.620+/-0.060 χ^2/NDF:2420.8/56

Out: -14.897+/-0.059 χ^2/NDF:2546.1/61

All: -14.760+/-0.042 χ^2/NDF: 4977.8/118

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -36.550+/-0.131 χ^2/NDF: 3339.6/36

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

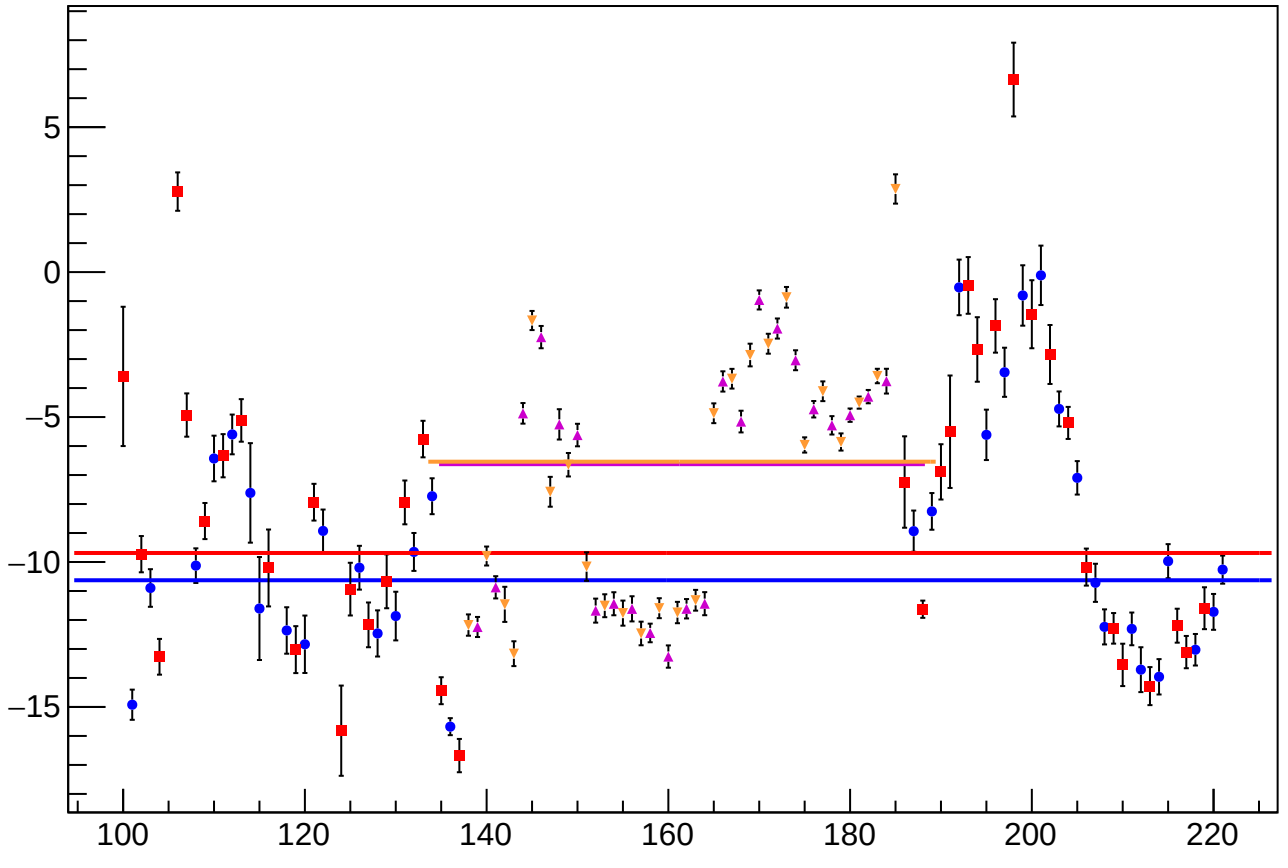
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.813+/-0.092 χ^2/NDF: 6534.4/70

In: -32.362+/-0.052 χ^2/NDF:5991.2/56

Out: -32.094+/-0.051 χ^2/NDF:5258.0/61

All: -32.224+/-0.036 χ^2/NDF: 11262.8/118



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: -9.689+/-0.114 χ^2/NDF: 1597.2/36

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

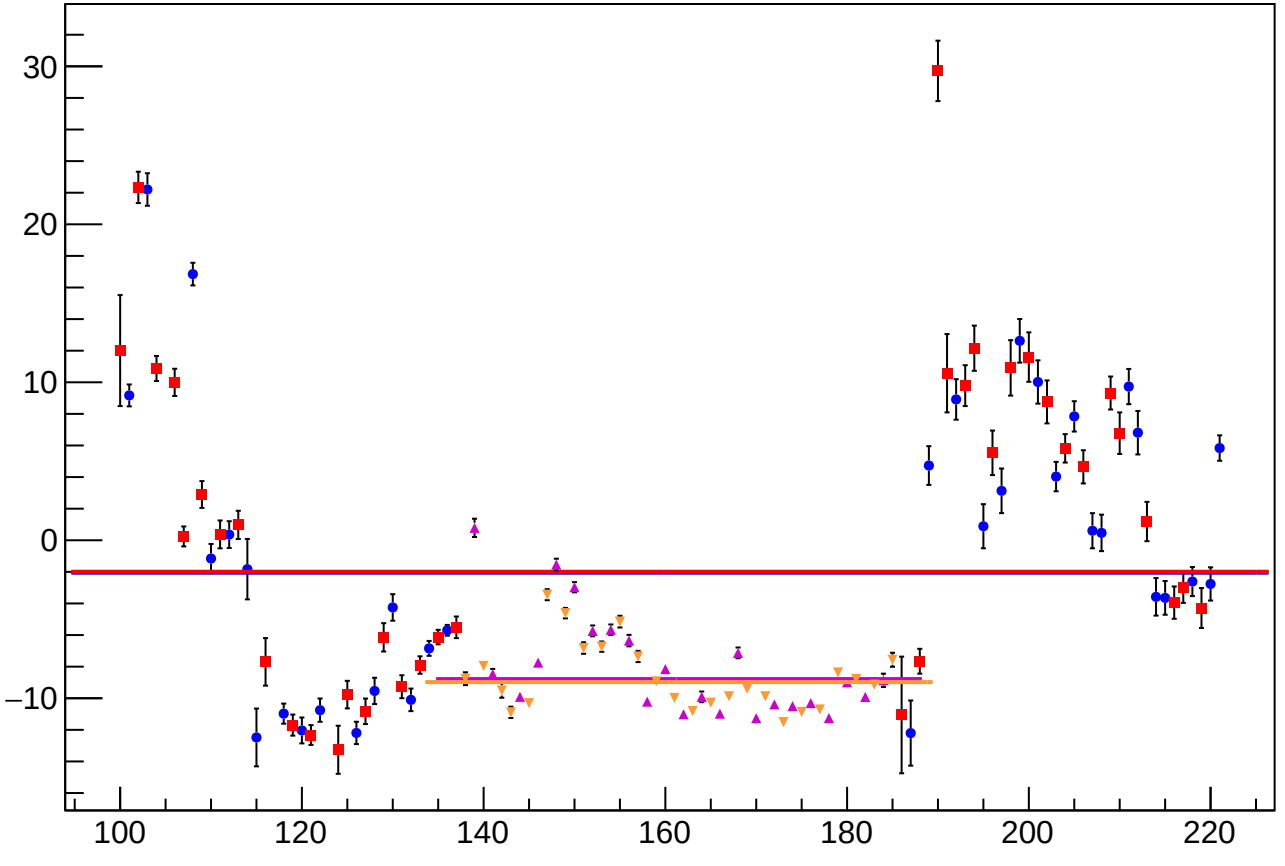
Right: -10.171+/-0.080 χ^2/NDF: 2779.0/70

In: -7.792+/-0.060 χ^2/NDF:4970.9/56

Out: -7.391+/-0.059 χ^2/NDF:5394.3/61

All: -7.589+/-0.042 χ^2/NDF: 10387.7/118

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -1.992+/-0.151 χ^2/NDF: 3285.1/36

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

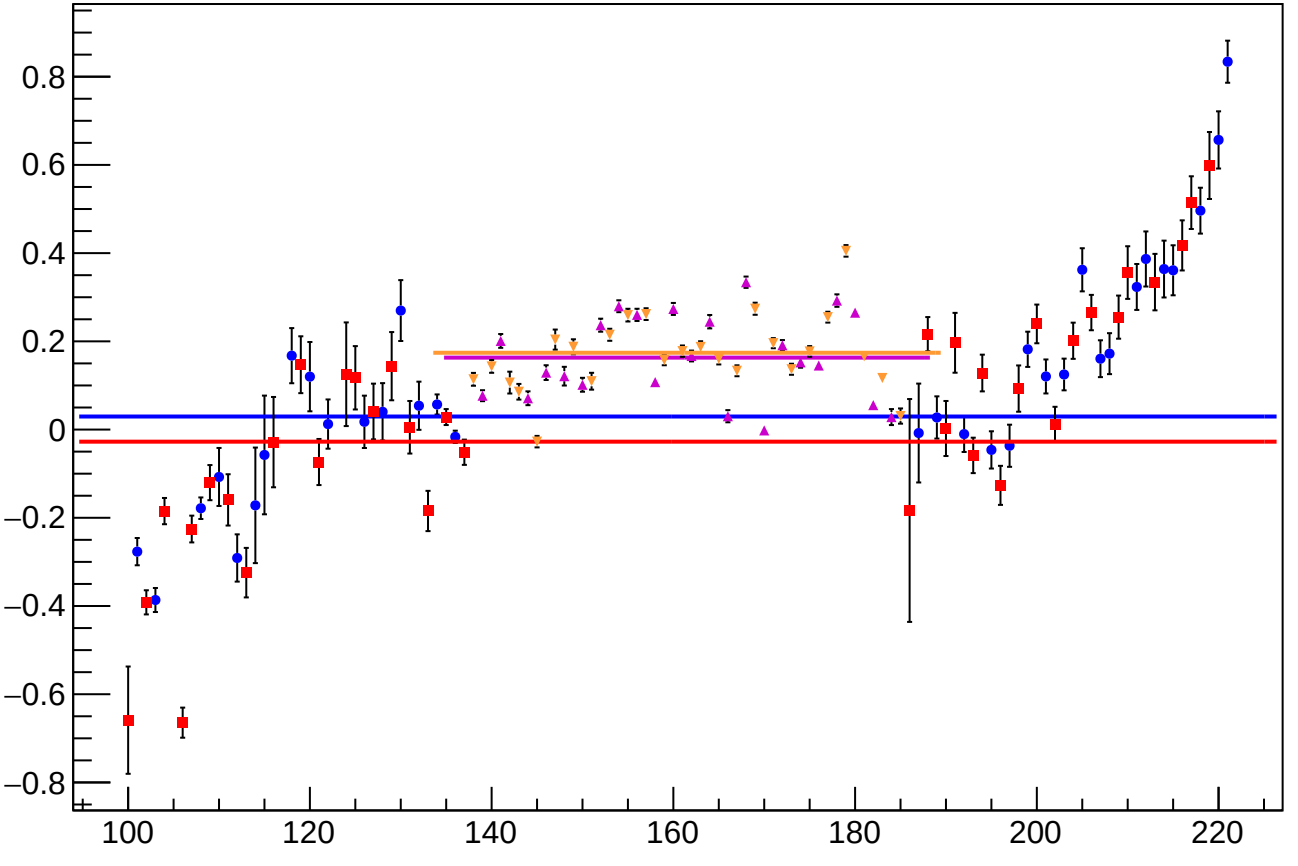
Right: -2.023+/-0.104 χ^2/NDF: 6710.5/70

In: -7.701+/-0.058 χ^2/NDF:6926.1/56

Out: -7.979+/-0.057 χ^2/NDF:6103.0/61

All: -7.843+/-0.041 χ^2/NDF: 13040.8/118

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: -0.027+/-0.007 χ^2/NDF: 1220.9/36

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

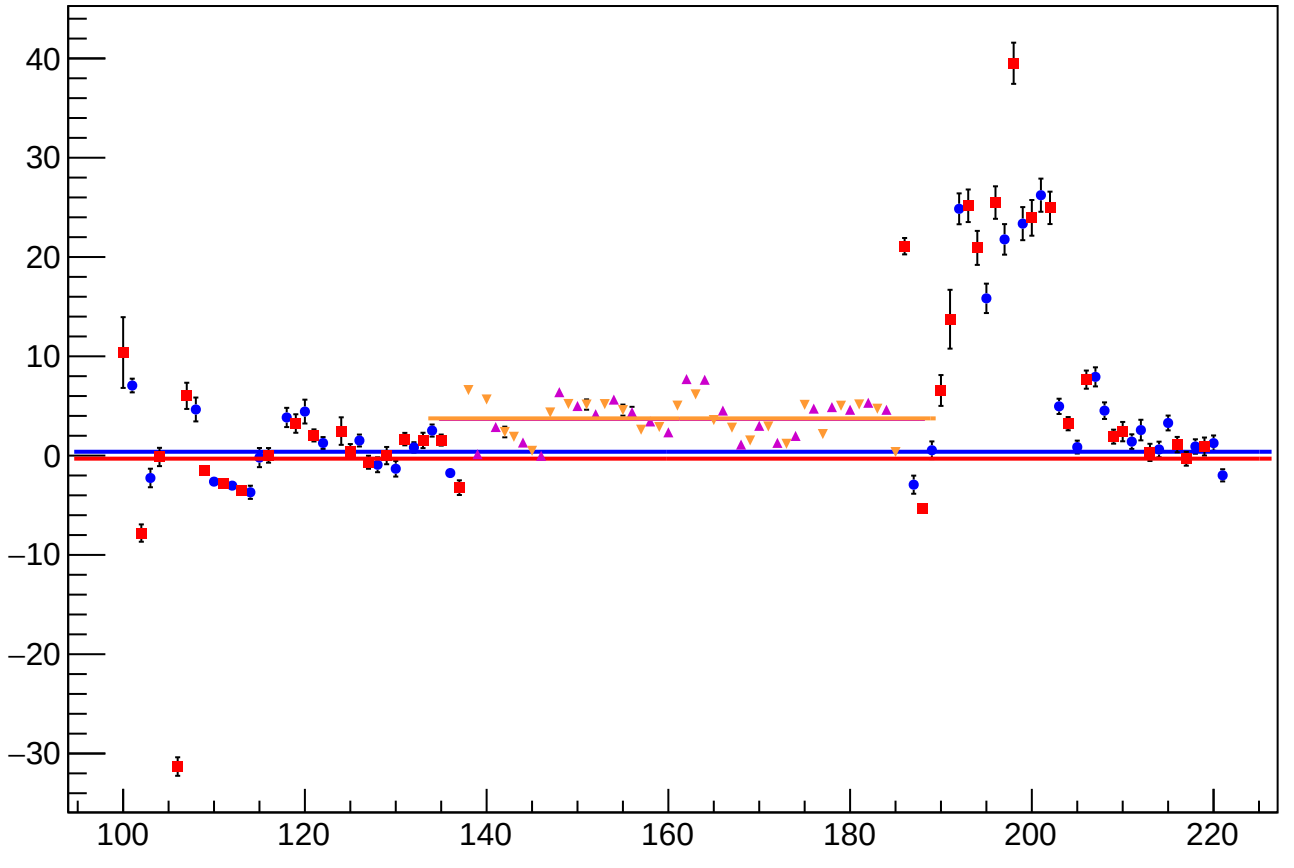
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: 0.002+/-0.005 χ^2/NDF: 2414.6/70

In: 0.144+/-0.003 χ^2/NDF:2684.4/56

Out: 0.149+/-0.003 χ^2/NDF:2835.3/61

All: 0.146+/-0.002 χ^2/NDF: 5521.3/118



Right In: 0.389+/-0.114 χ^2/NDF: 1621.0/33

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.306+/-0.111 χ^2/NDF: 3866.4/36

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

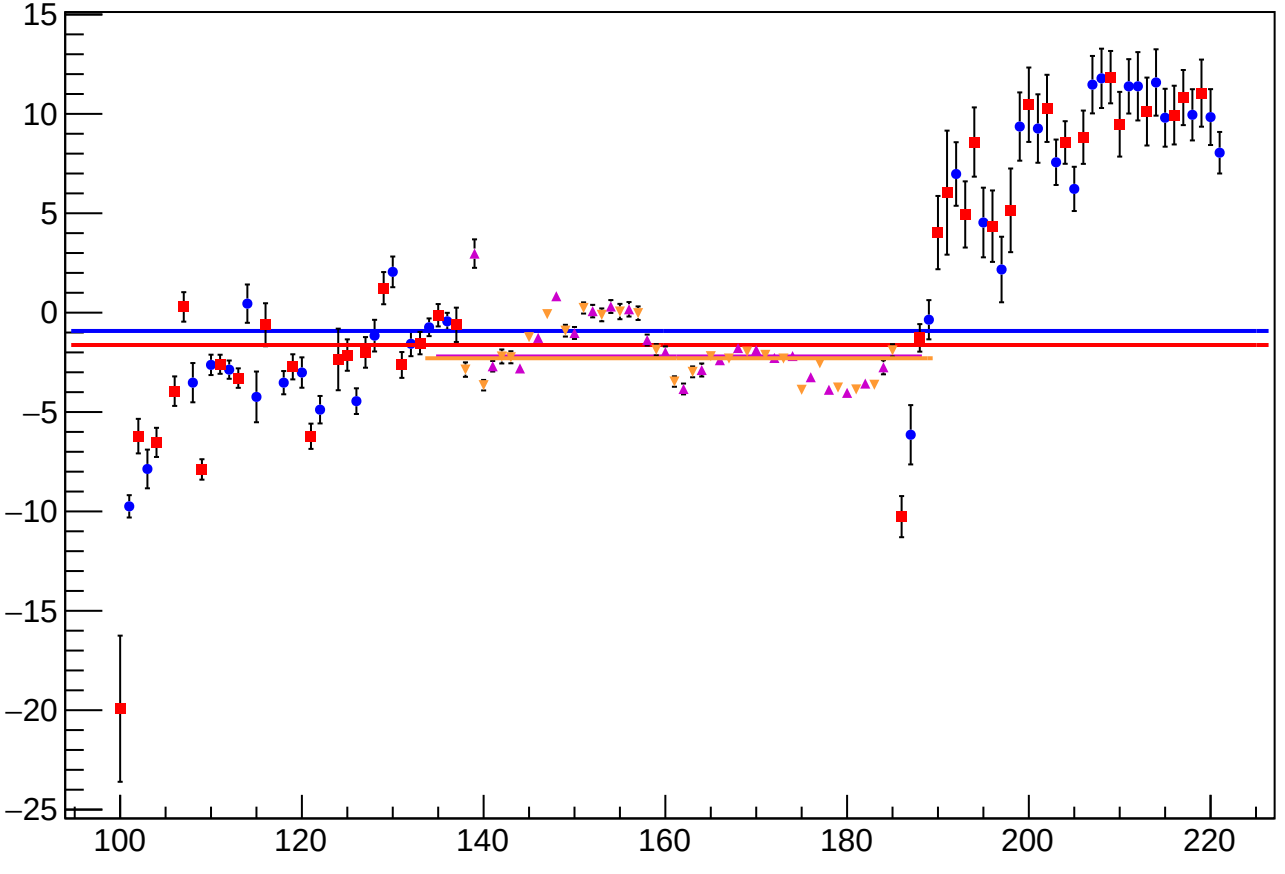
Right: 0.032+/-0.079 χ^2/NDF: 5506.6/70

In: 2.899+/-0.056 χ^2/NDF:3212.1/56

Out: 2.782+/-0.054 χ^2/NDF:5698.6/61

All: 2.838+/-0.039 χ^2/NDF: 8913.0/118

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -1.627+/-0.142 χ^2/NDF: 1154.1/36

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

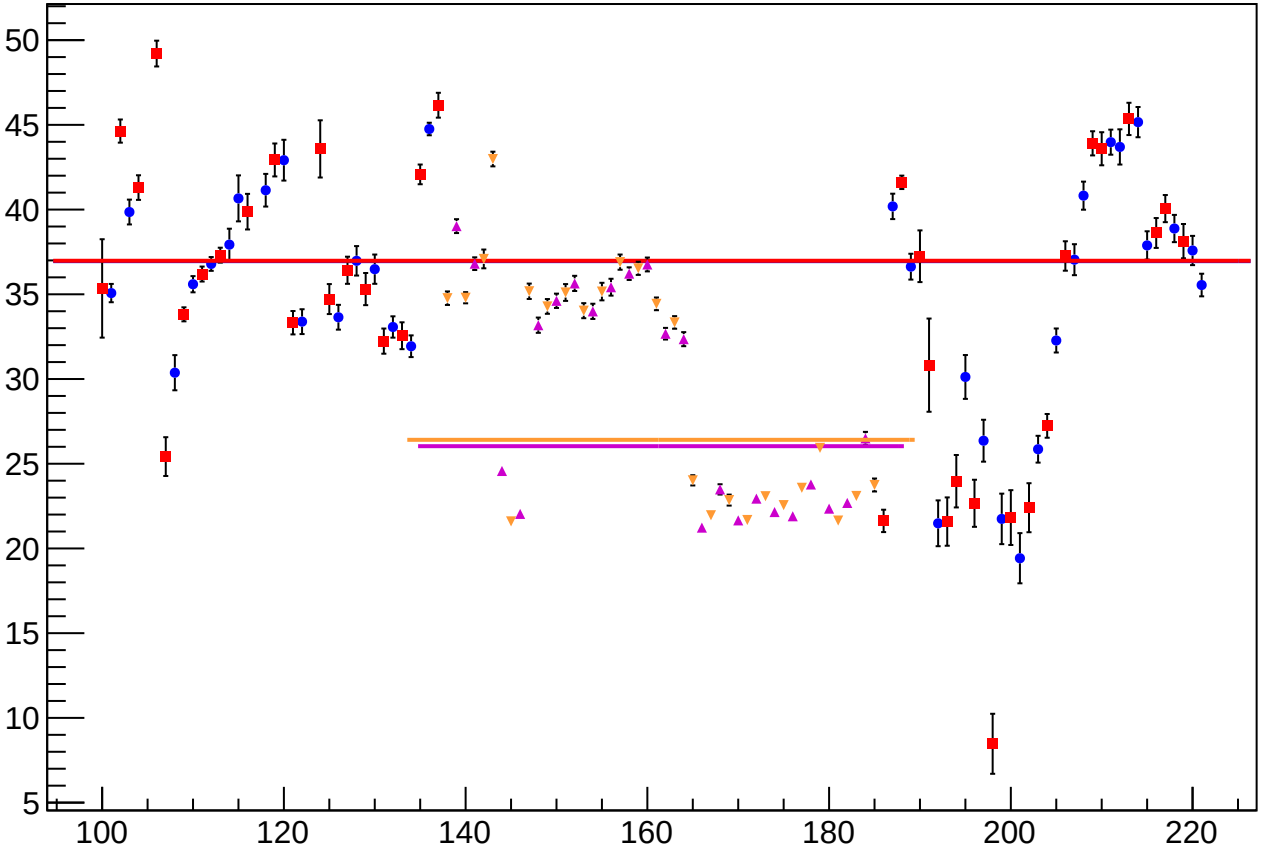
Right: -1.271+/-0.100 χ^2/NDF: 2425.4/70

In: -2.057+/-0.048 χ^2/NDF:2057.0/56

Out: -2.222+/-0.047 χ^2/NDF:1805.2/61

All: -2.141+/-0.033 χ^2/NDF: 3868.3/118

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: 36.979+/-0.126 χ^2/NDF: 2842.2/36

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

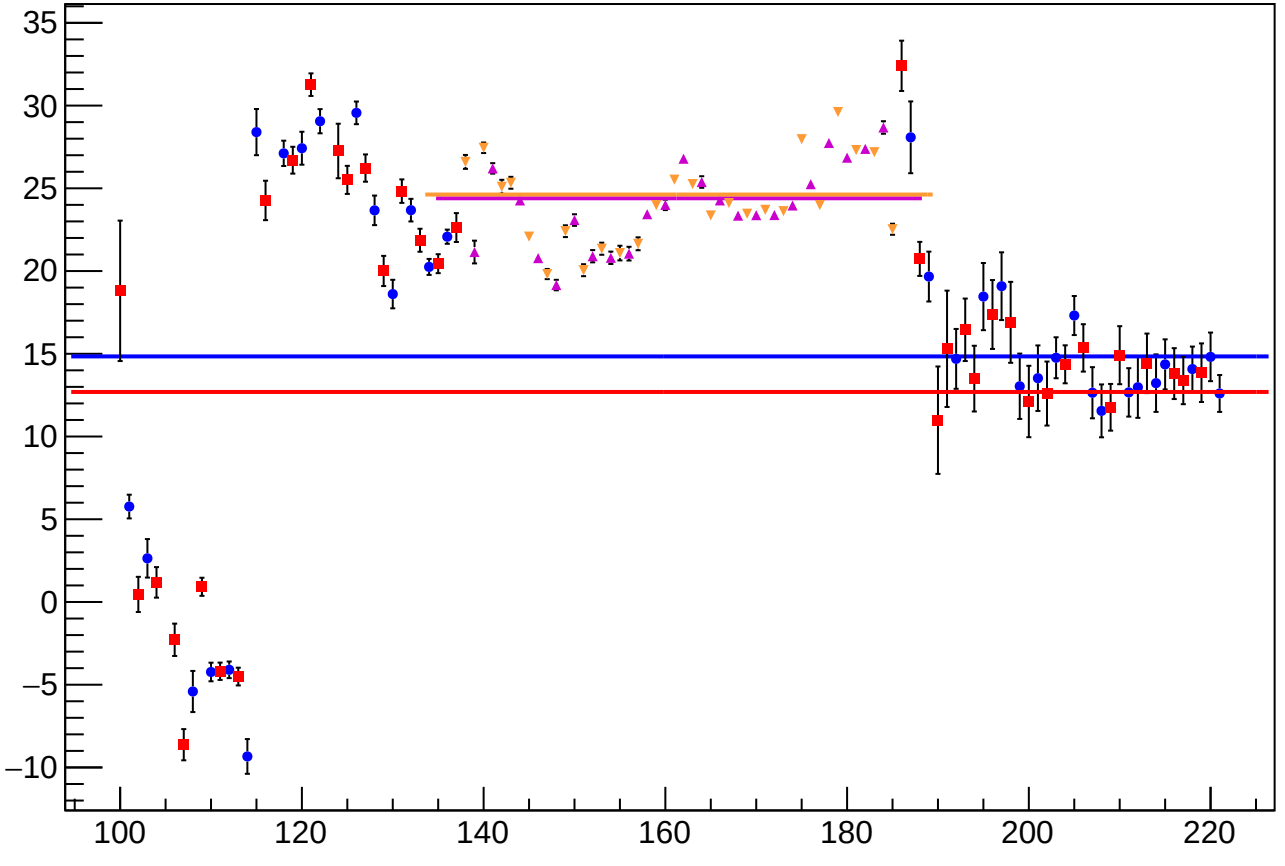
Right: 36.968+/-0.090 χ^2/NDF: 4544.9/70

In: 28.233+/-0.057 χ^2/NDF:15426.5/56

Out: 28.473+/-0.056 χ^2/NDF:17682.0/61

All: 28.356+/-0.040 χ^2/NDF: 33117.4/118

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: 12.693+/-0.161 χ^2/NDF: 6374.9/36

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

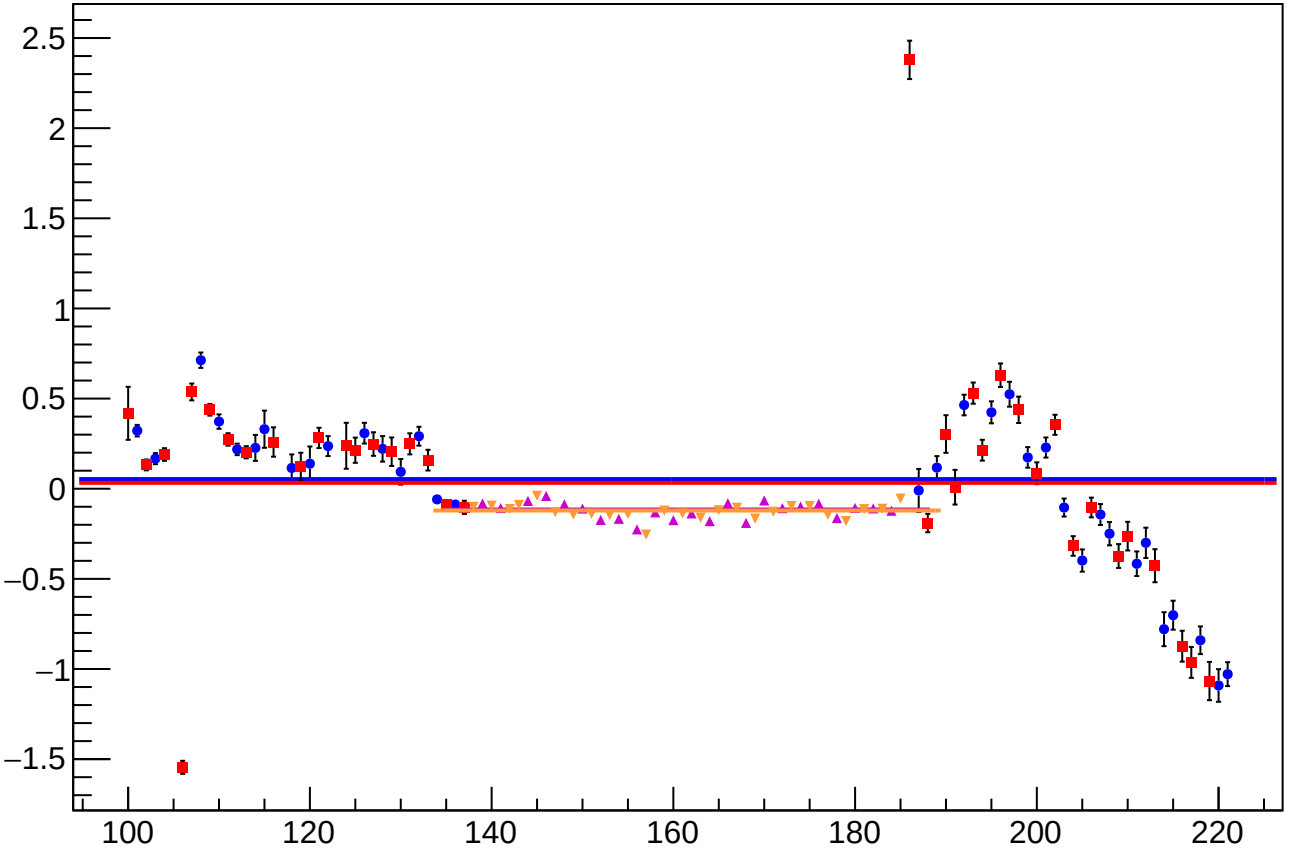
Right: 13.794+/-0.112 χ^2/NDF: 12227.9/70

In: 23.304+/-0.053 χ^2/NDF:10756.7/56

Out: 23.371+/-0.052 χ^2/NDF:13238.4/61

All: 23.338+/-0.037 χ^2/NDF: 23995.9/118

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: 0.033+/-0.008 χ^2/NDF: 3634.7/36

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

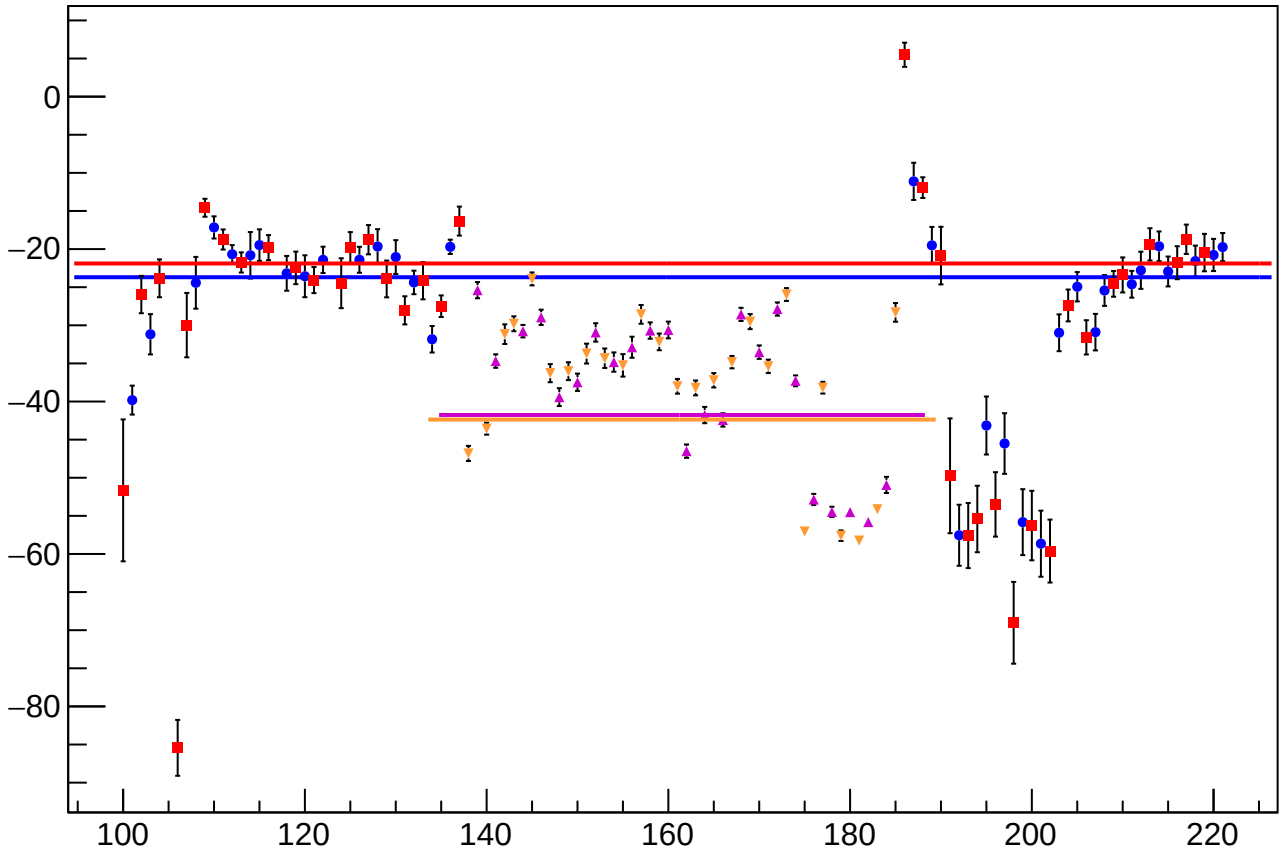
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.043+/-0.006 χ^2/NDF: 5254.1/70

In: -0.100+/-0.002 χ^2/NDF:2305.4/56

Out: -0.109+/-0.002 χ^2/NDF:4206.7/61

All: -0.105+/-0.002 χ^2/NDF: 6518.0/118



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: -21.889+/-0.344 χ^2/NDF: 1207.3/36

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

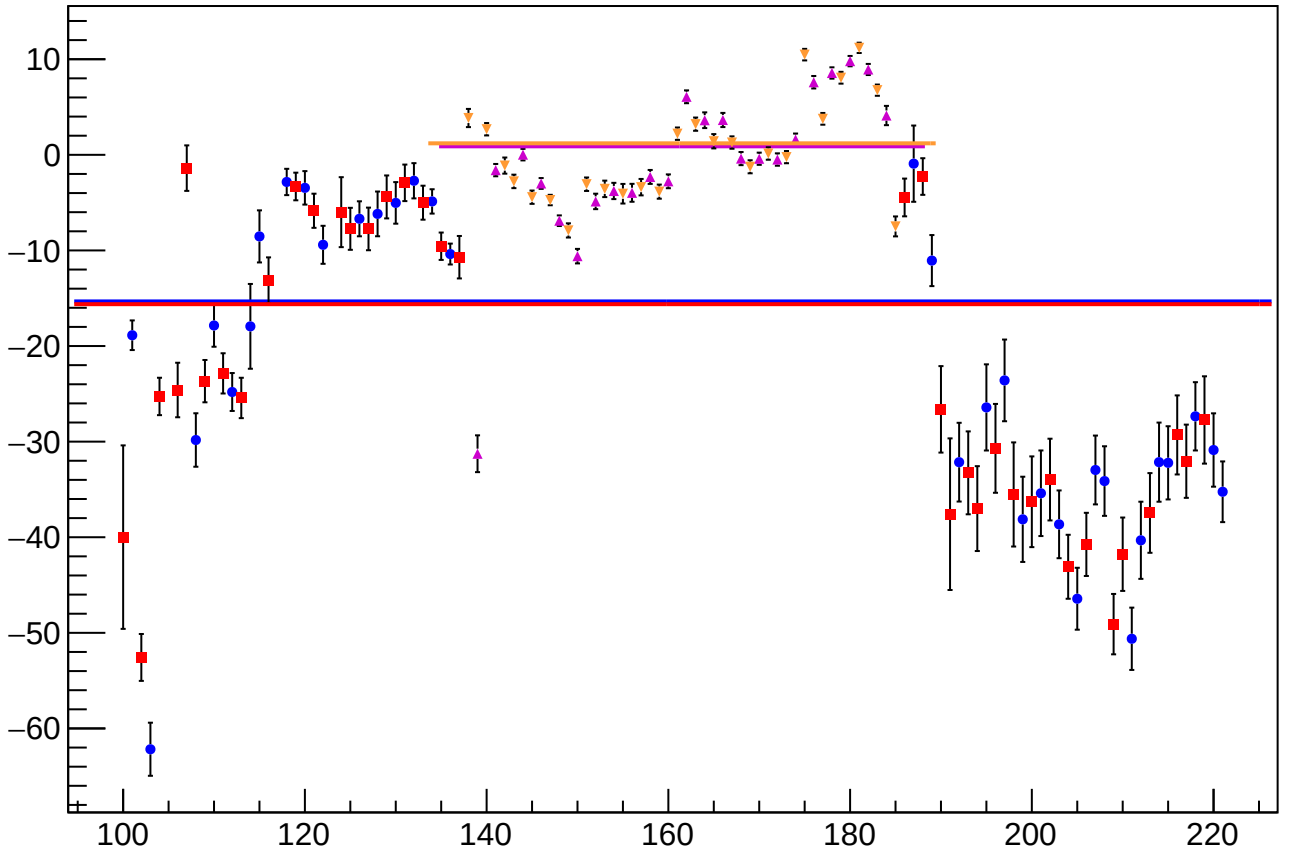
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.798+/-0.242 χ^2/NDF: 1690.3/70

In: -37.776+/-0.160 χ^2/NDF:6110.5/56

Out: -38.148+/-0.156 χ^2/NDF:8498.1/61

All: -37.967+/-0.112 χ^2/NDF: 14611.4/118



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: -15.622+/-0.416 χ^2/NDF: 1156.5/36

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

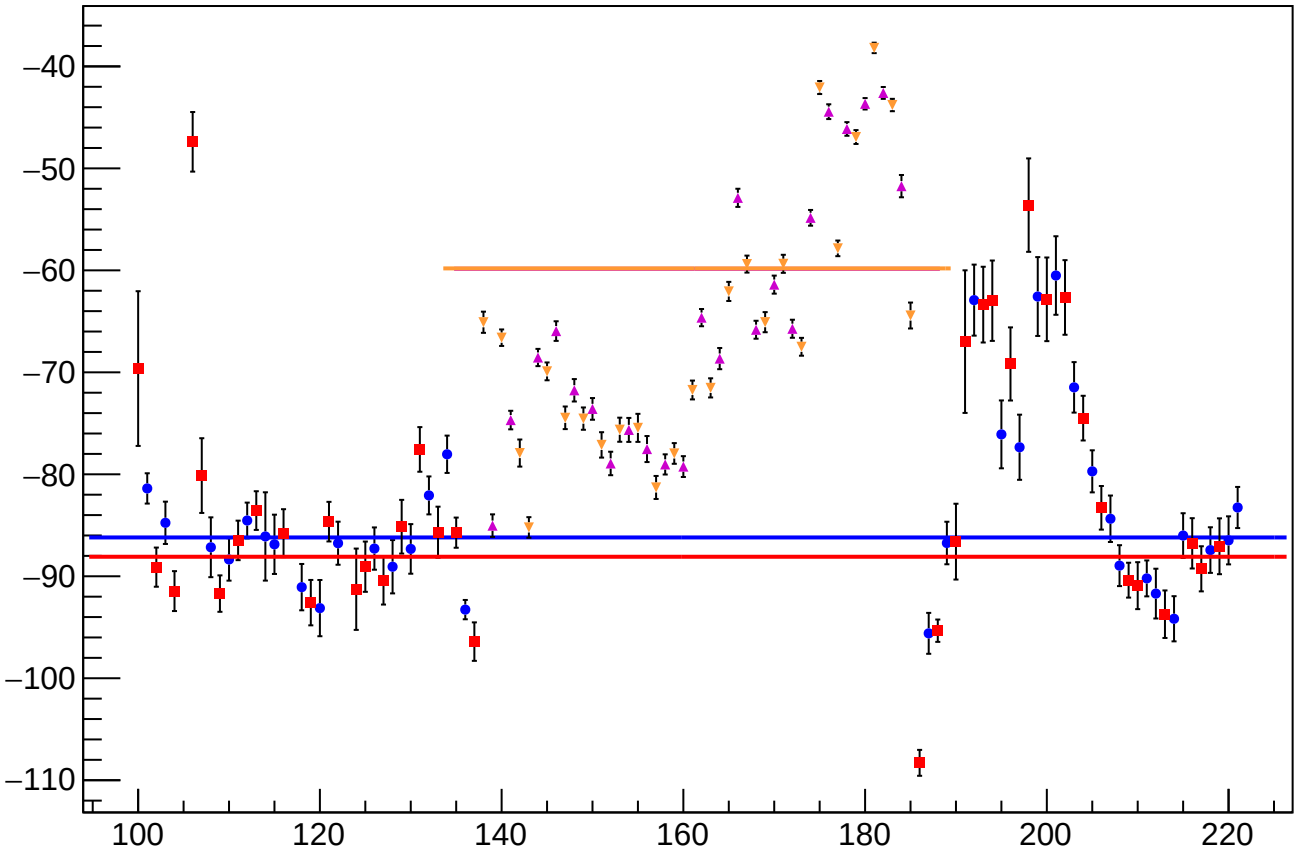
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -15.473+/-0.289 χ^2/NDF: 2369.5/70

In: -0.932+/-0.135 χ^2/NDF:4422.3/56

Out: -0.468+/-0.131 χ^2/NDF:4093.4/61

All: -0.694+/-0.094 χ^2/NDF: 8521.8/118



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: -88.086+/-0.365 χ^2/NDF: 890.6/36

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

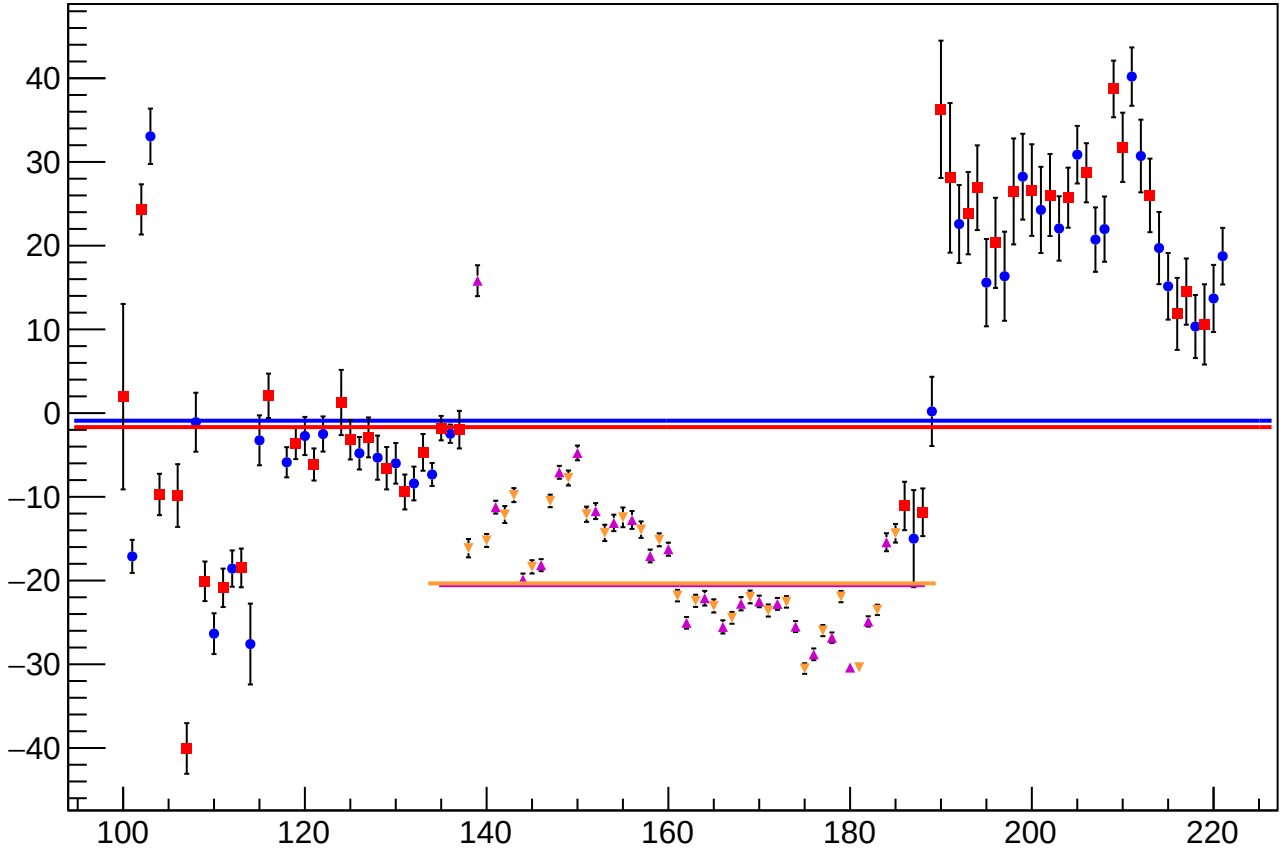
Right: -87.133+/-0.258 χ^2/NDF: 1249.4/70

In: -65.091+/-0.162 χ^2/NDF:10094.0/56

Out: -65.102+/-0.158 χ^2/NDF:12405.4/61

All: -65.096+/-0.113 χ^2/NDF: 22499.4/118

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -1.673+/-0.476 χ^2/NDF: 1087.7/36

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

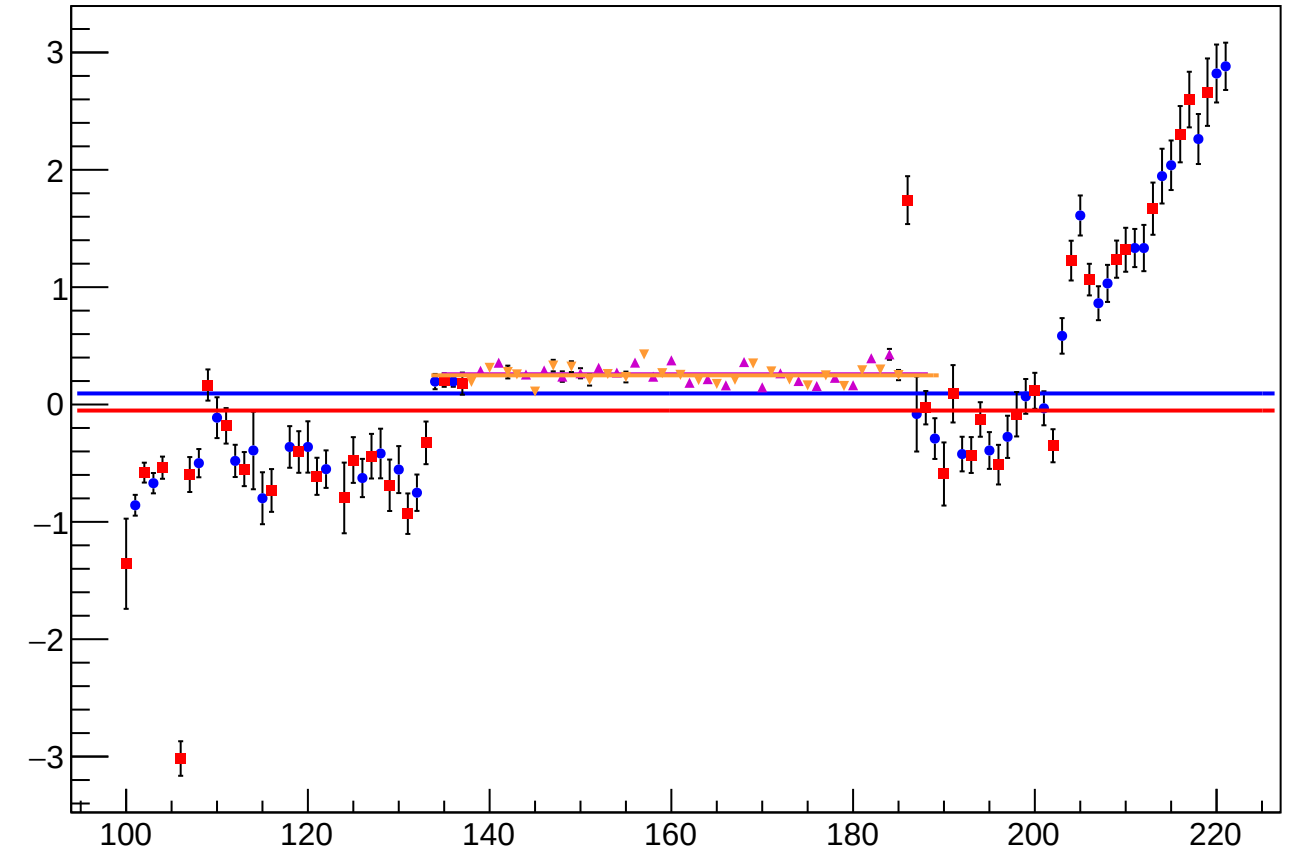
Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

Right: -1.269+/-0.327 χ^2/NDF: 2108.4/70

In: -18.368+/-0.150 χ^2/NDF:4900.1/56

Out: -18.559+/-0.147 χ^2/NDF:4179.0/61

All: -18.466+/-0.105 χ^2/NDF: 9079.9/118



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: -0.051+/-0.024 χ^2/NDF: 1336.9/36

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

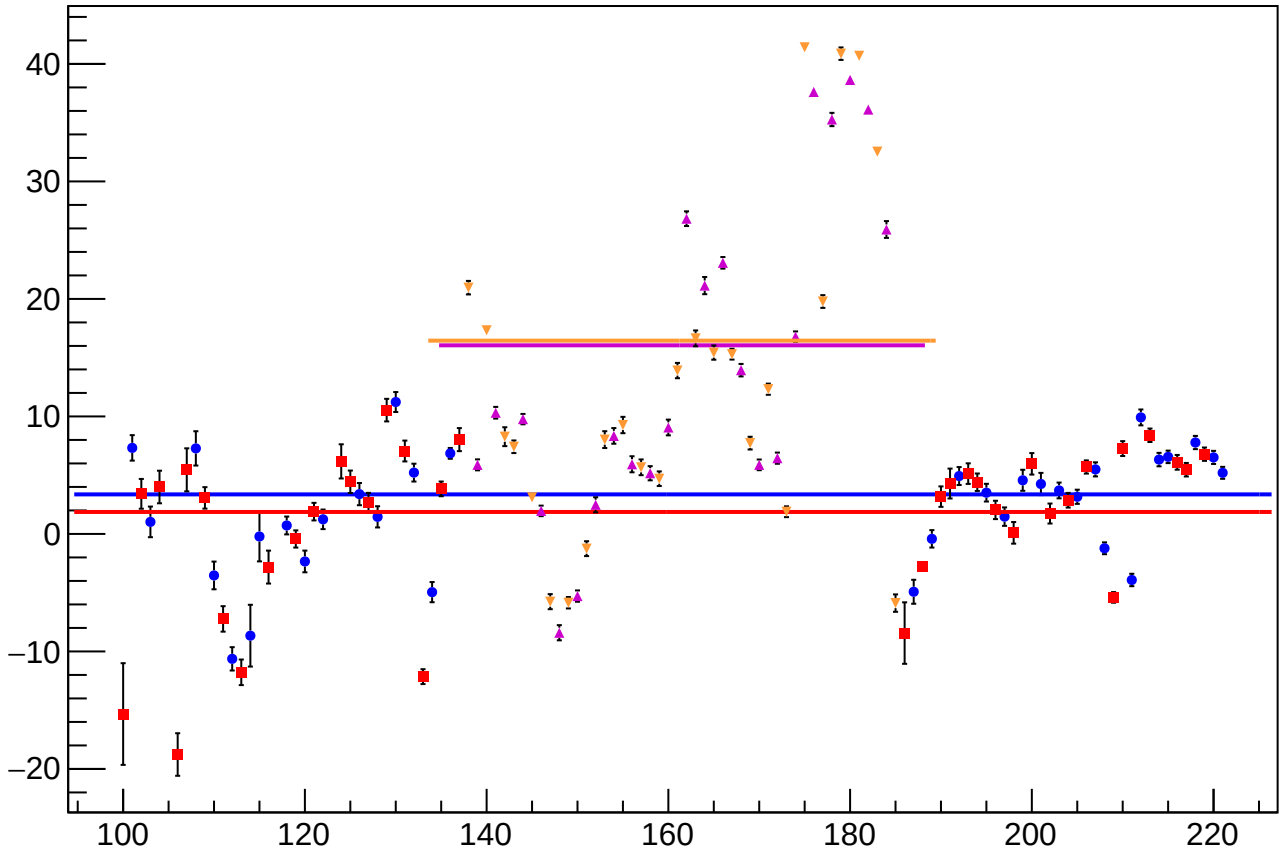
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: 0.026+/-0.016 χ^2/NDF: 2559.6/70

In: 0.243+/-0.007 χ^2/NDF:1385.5/56

Out: 0.225+/-0.007 χ^2/NDF:1574.4/61

All: 0.234+/-0.005 χ^2/NDF: 2963.2/118



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: 1.870+/-0.126 χ^2/NDF: 1967.3/36

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

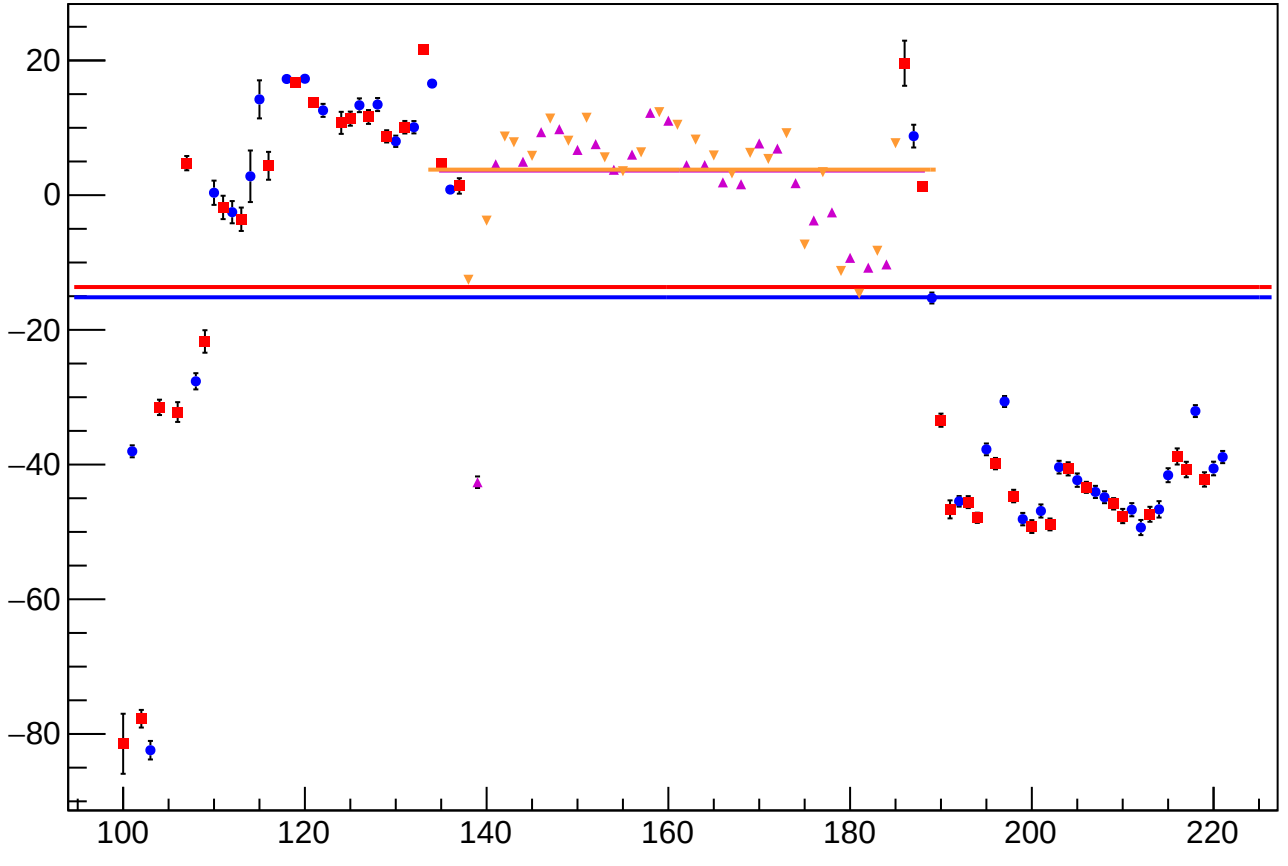
Right: 2.628+/-0.089 χ^2/NDF: 3276.4/70

In: 10.653+/-0.081 χ^2/NDF:24817.6/56

Out: 10.553+/-0.080 χ^2/NDF:31313.2/61

All: 10.602+/-0.057 χ^2/NDF: 56131.6/118

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -13.642+/-0.151 χ^2/NDF: 36006.9/36

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

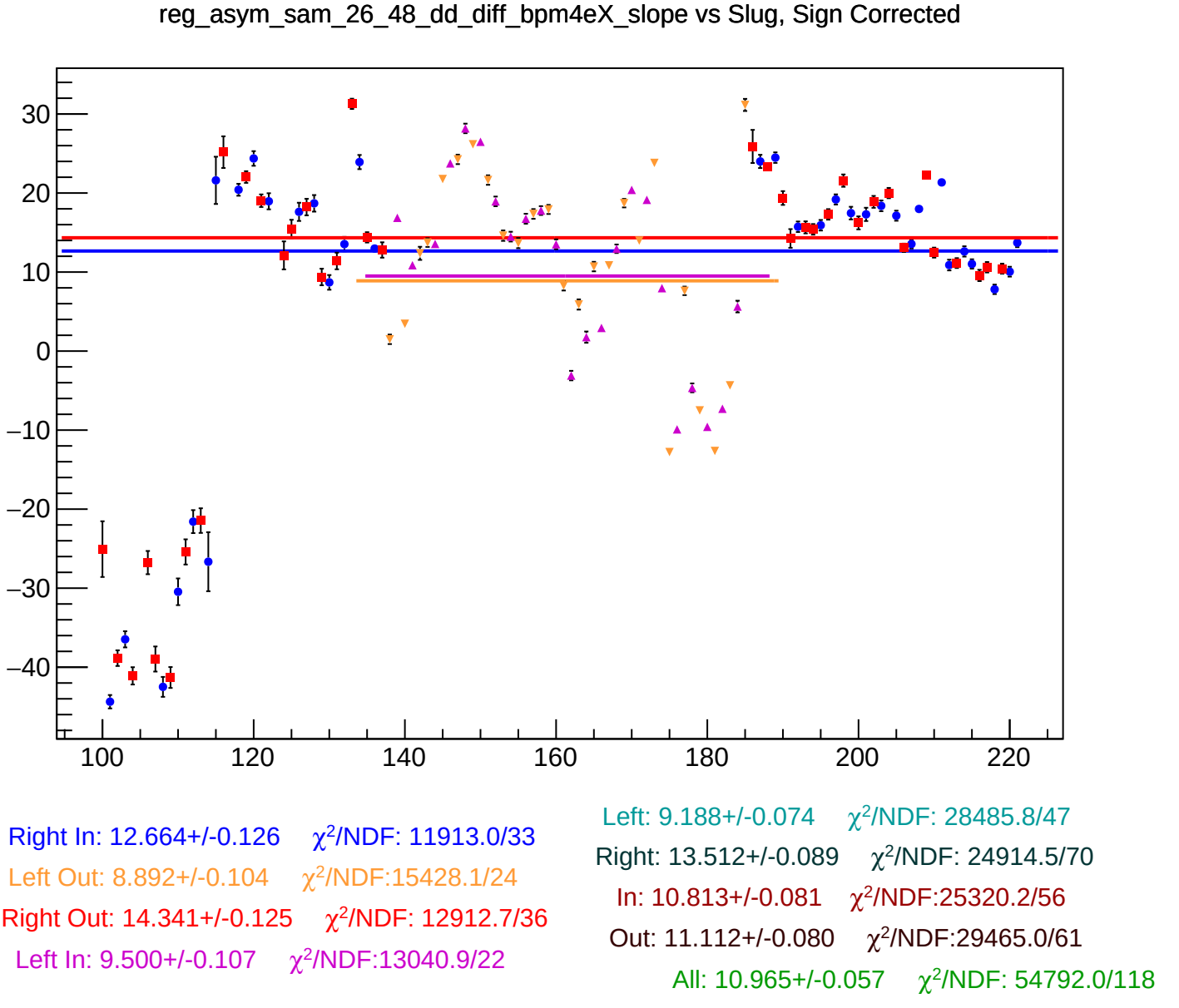
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

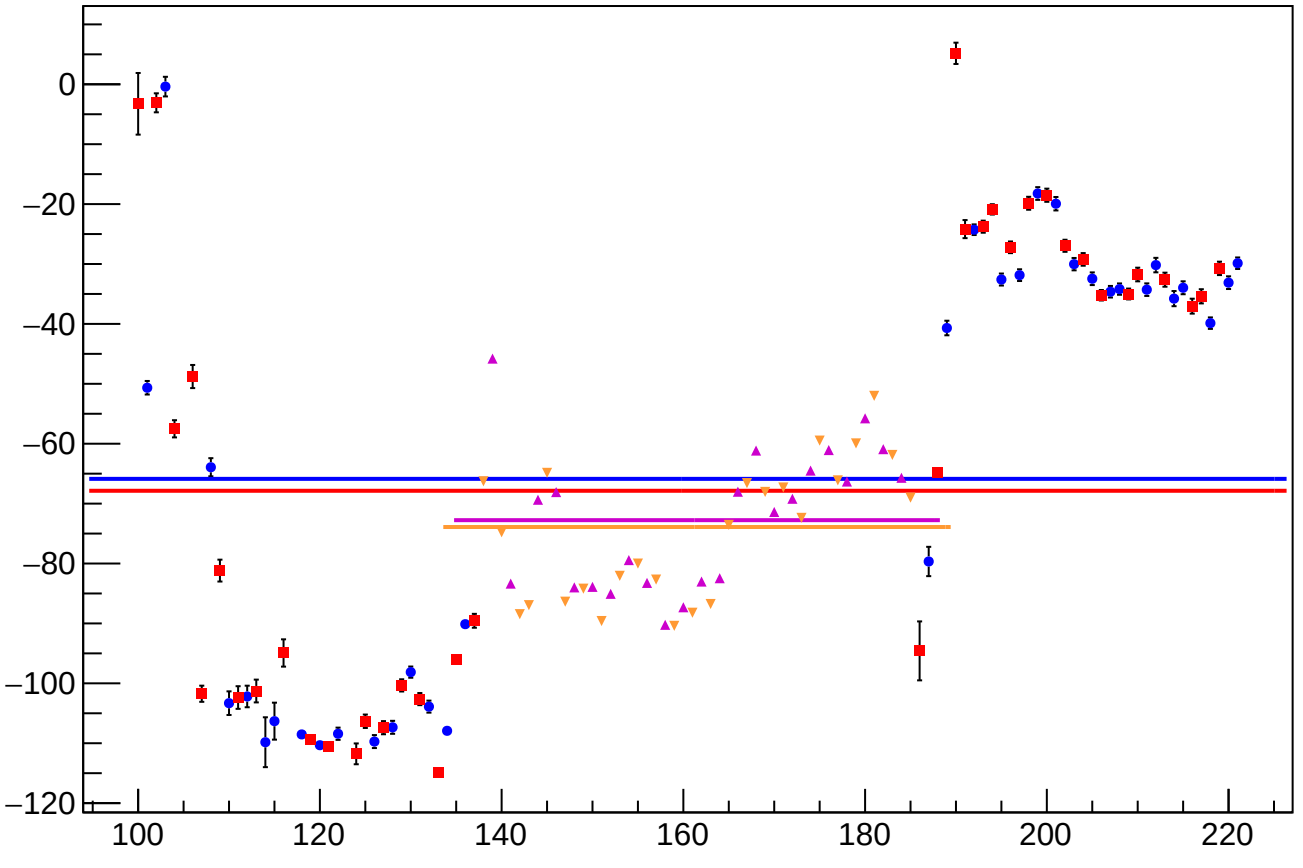
Right: -14.393+/-0.107 χ^2/NDF: 68558.9/70

In: -0.630+/-0.073 χ^2/NDF:52508.8/56

Out: -0.039+/-0.071 χ^2/NDF:55513.5/61

All: -0.326+/-0.051 χ^2/NDF: 108056.2/118


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
220
Right In: 12.664+/-0.126 χ²/NDF: 11913.0/33
Left Out: 8.892+/-0.104 χ²/NDF:15428.1/24
Right Out: 14.341+/-0.125 χ²/NDF: 12912.7/36
Left In: 9.500+/-0.107 χ²/NDF:13040.9/22
Left: 9.188+/-0.074 χ²/NDF: 28485.8/47
Right: 13.512+/-0.089 χ²/NDF: 24914.5/70
In: 10.813+/-0.081 χ²/NDF:25320.2/56
Out: 11.112+/-0.080 χ²/NDF:29465.0/61
All: 10.965+/-0.057 χ²/NDF: 54792.0/118



Right In: -65.867+/-0.174 χ^2/NDF: 43694.9/33

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -67.856+/-0.175 χ^2/NDF: 48612.2/36

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

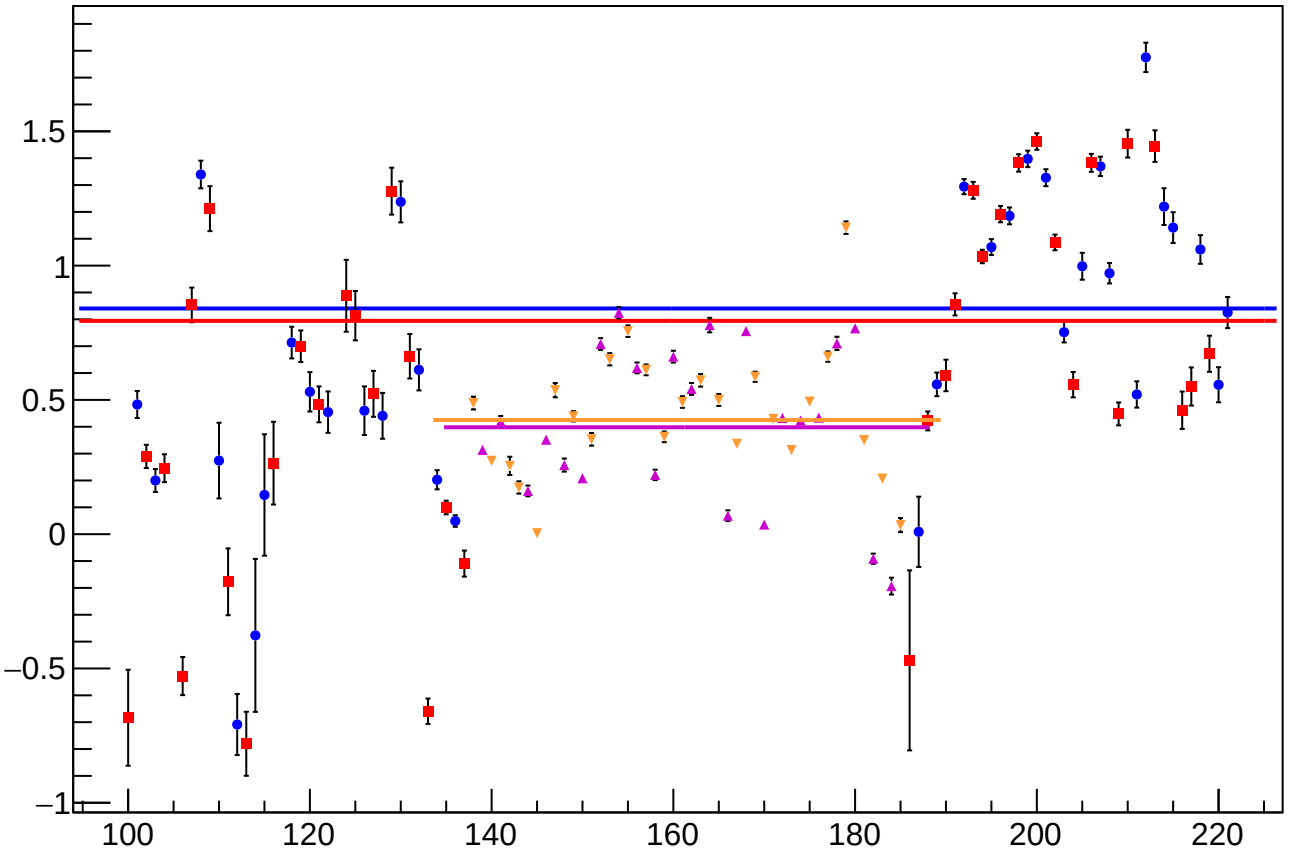
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -66.856+/-0.123 χ^2/NDF: 92372.2/70

In: -71.219+/-0.082 χ^2/NDF:57529.3/56

Out: -72.629+/-0.080 χ^2/NDF:65124.4/61

All: -71.940+/-0.057 χ^2/NDF: 122803.9/118



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: 0.794+/-0.008 χ^2/NDF: 5314.9/36

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

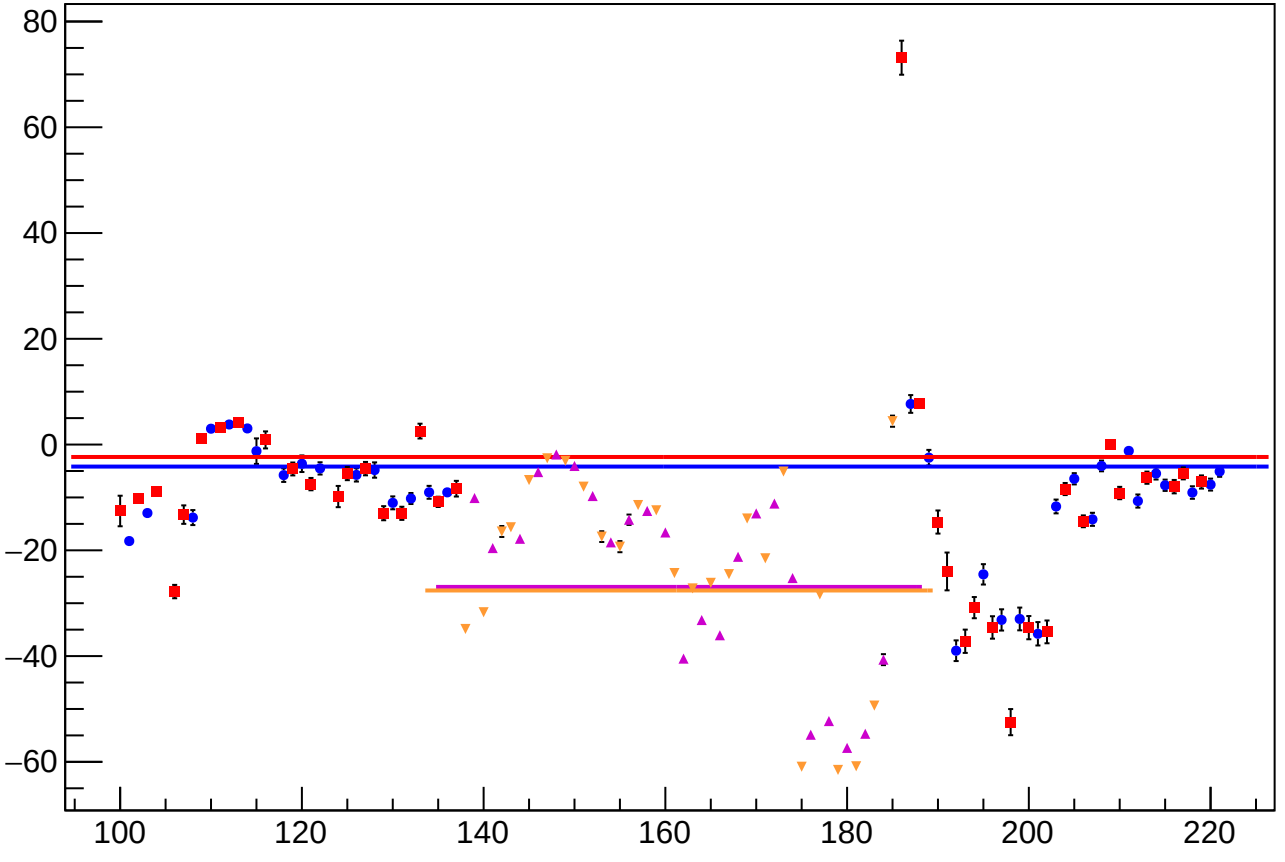
Right: 0.817+/-0.005 χ^2/NDF: 9487.4/70

In: 0.495+/-0.004 χ^2/NDF:10938.4/56

Out: 0.506+/-0.004 χ^2/NDF:10161.6/61

All: 0.500+/-0.003 χ^2/NDF: 21104.5/118

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: -2.348+/-0.150 χ^2/NDF: 4120.2/36

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

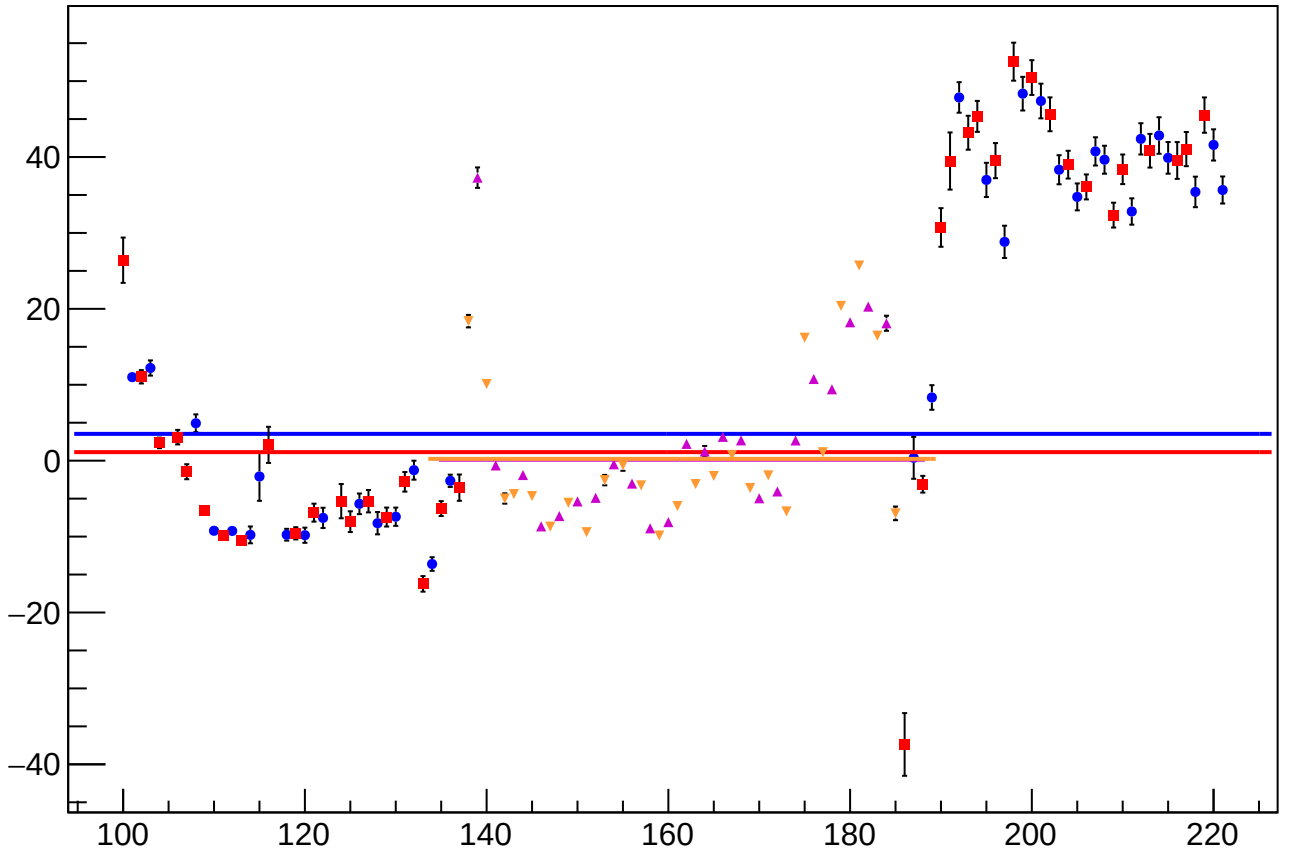
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -3.189+/-0.110 χ^2/NDF: 7039.8/70

In: -16.468+/-0.110 χ^2/NDF:29069.5/56

Out: -15.497+/-0.104 χ^2/NDF:38546.6/61

All: -15.957+/-0.076 χ^2/NDF: 67657.2/118



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: 1.127+/-0.199 χ^2/NDF: 7381.2/36

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

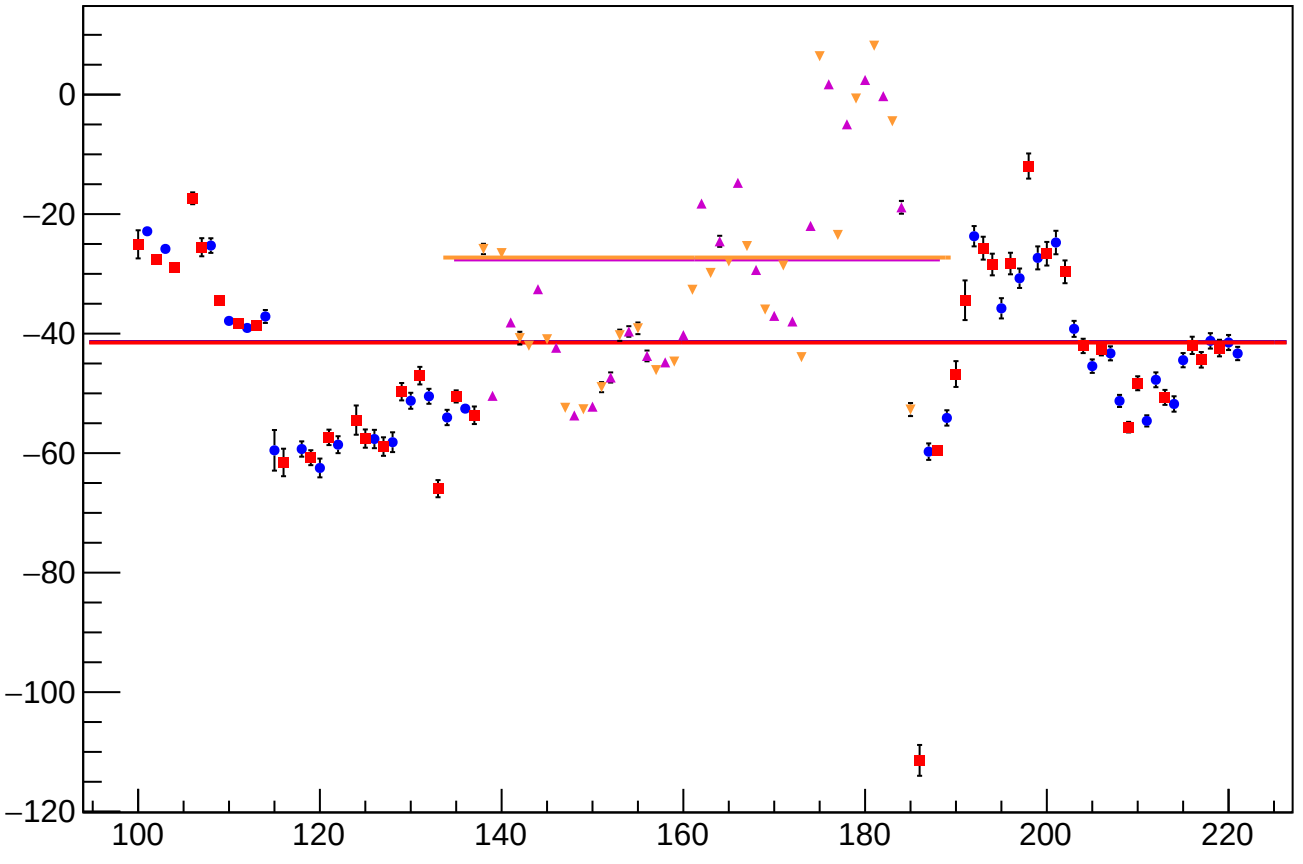
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: 2.302+/-0.142 χ^2/NDF: 15123.9/70

In: 0.949+/-0.100 χ^2/NDF:13720.8/56

Out: 0.447+/-0.096 χ^2/NDF:15432.0/61

All: 0.689+/-0.069 χ^2/NDF: 29165.9/118



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: -41.489+/-0.175 χ^2/NDF: 5358.5/36

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

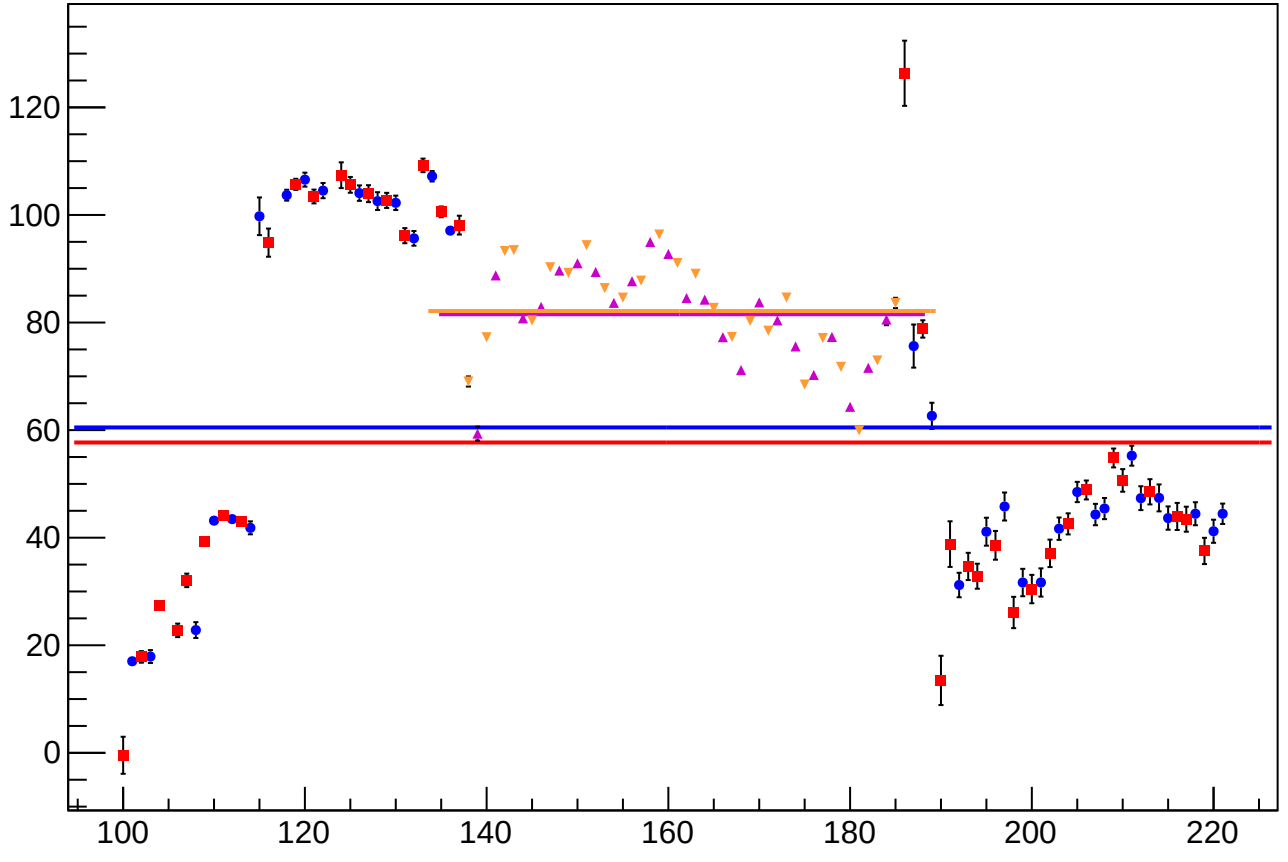
Right: -41.450+/-0.126 χ^2/NDF: 9366.6/70

In: -33.136+/-0.115 χ^2/NDF:23152.2/56

Out: -33.002+/-0.111 χ^2/NDF:27820.8/61

All: -33.067+/-0.080 χ^2/NDF: 50973.7/118

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: 57.700+/-0.227 χ^2/NDF: 18702.6/36

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

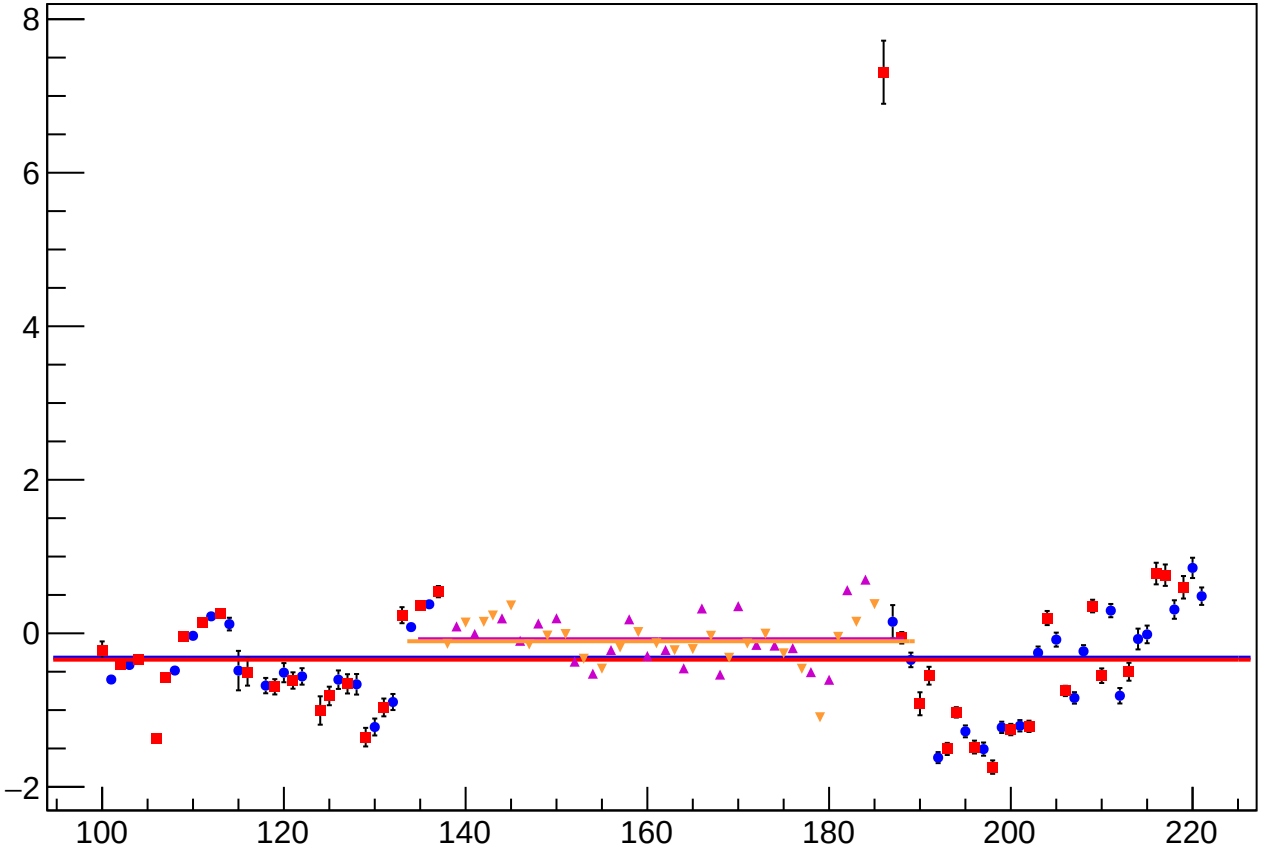
Right: 59.073+/-0.162 χ^2/NDF: 38684.2/70

In: 76.547+/-0.113 χ^2/NDF:30267.1/56

Out: 76.467+/-0.109 χ^2/NDF:32974.8/61

All: 76.506+/-0.078 χ^2/NDF: 63242.1/118

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: -0.343+/-0.011 χ^2/NDF: 3215.1/36

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

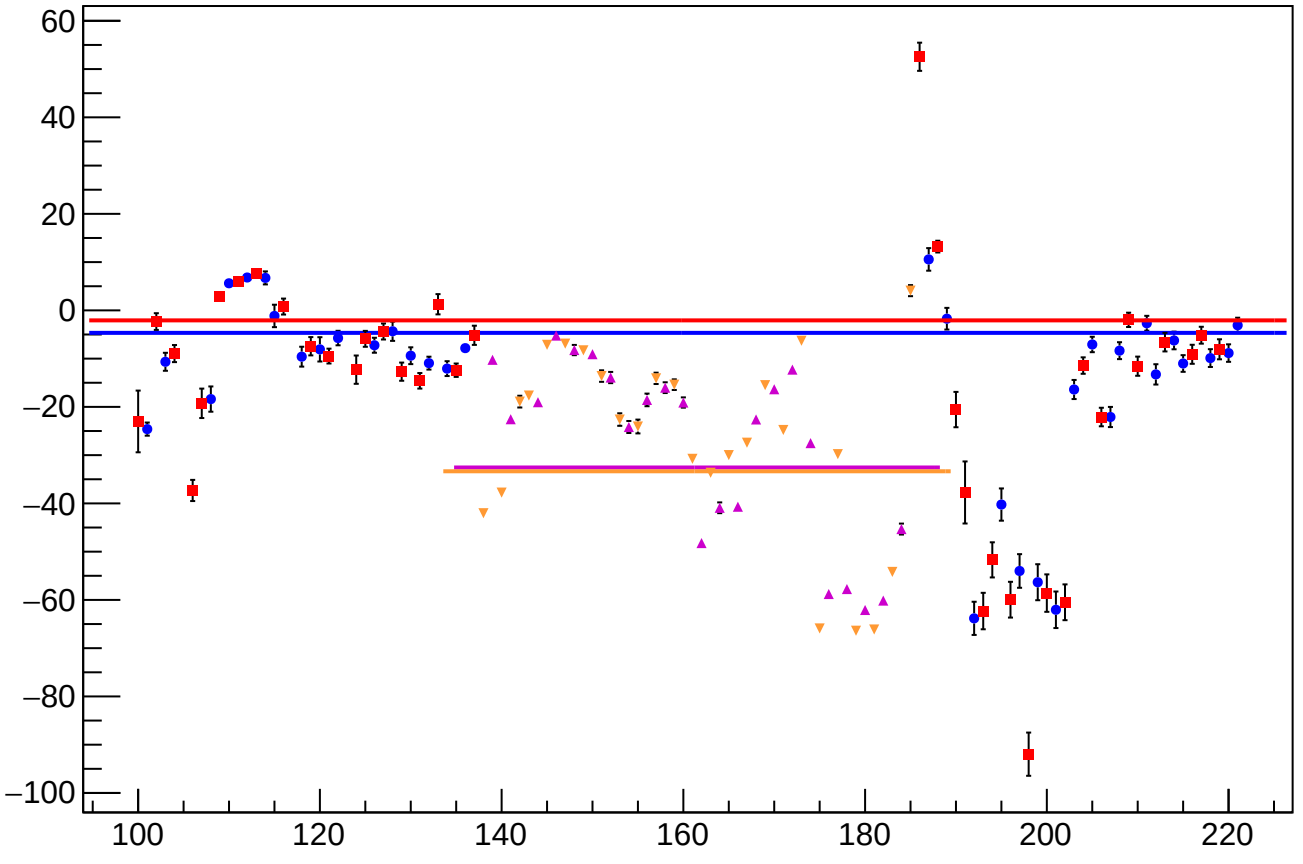
Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

Right: -0.330+/-0.008 χ^2/NDF: 5494.7/70

In: -0.125+/-0.005 χ^2/NDF:5952.1/56

Out: -0.152+/-0.005 χ^2/NDF:5995.3/61

All: -0.139+/-0.004 χ^2/NDF: 11961.1/118



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: -2.074+/-0.248 χ^2/NDF: 3290.1/36

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

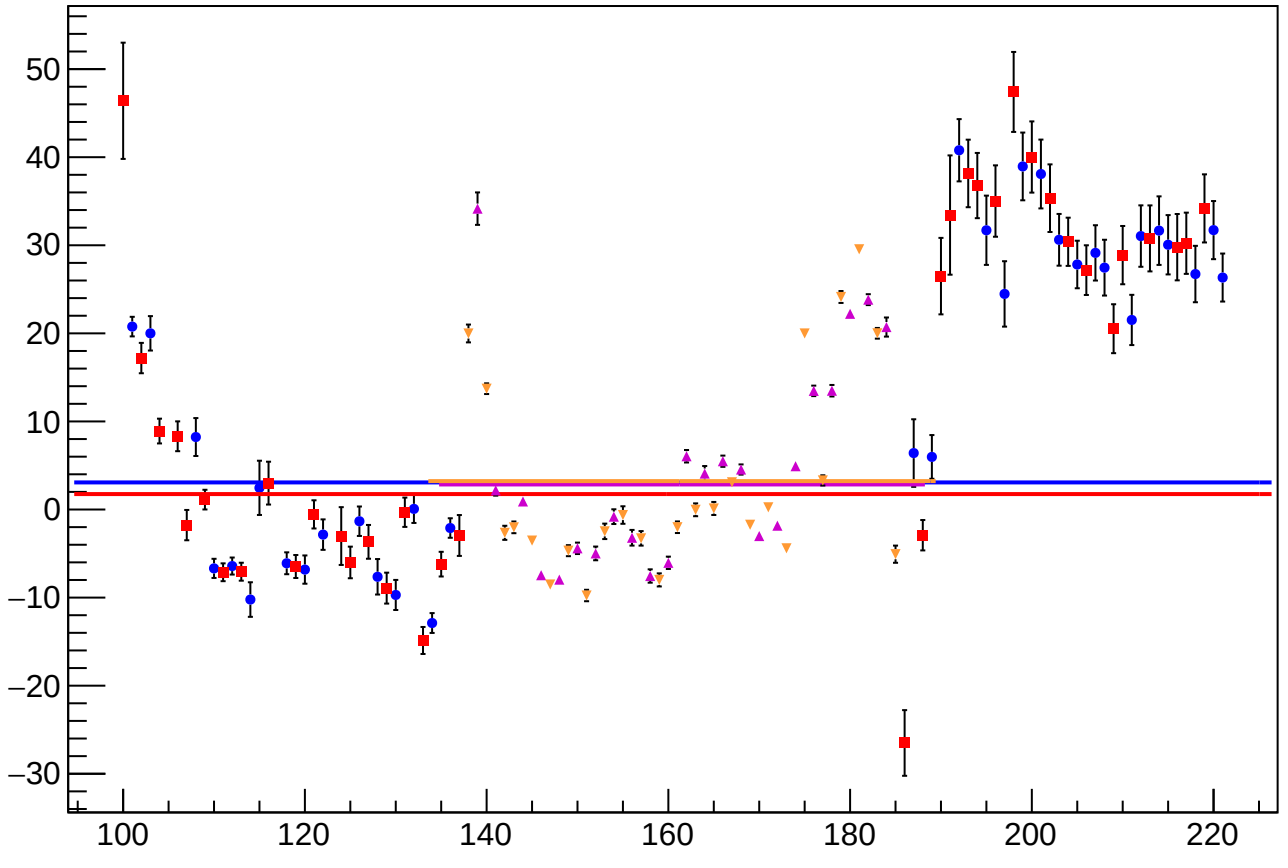
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -3.306+/-0.179 χ^2/NDF: 5571.5/70

In: -24.239+/-0.142 χ^2/NDF:24211.6/56

Out: -23.770+/-0.137 χ^2/NDF:32332.2/61

All: -23.996+/-0.099 χ^2/NDF: 56549.5/118



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: 1.753+/-0.323 χ^2/NDF: 1776.6/36

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

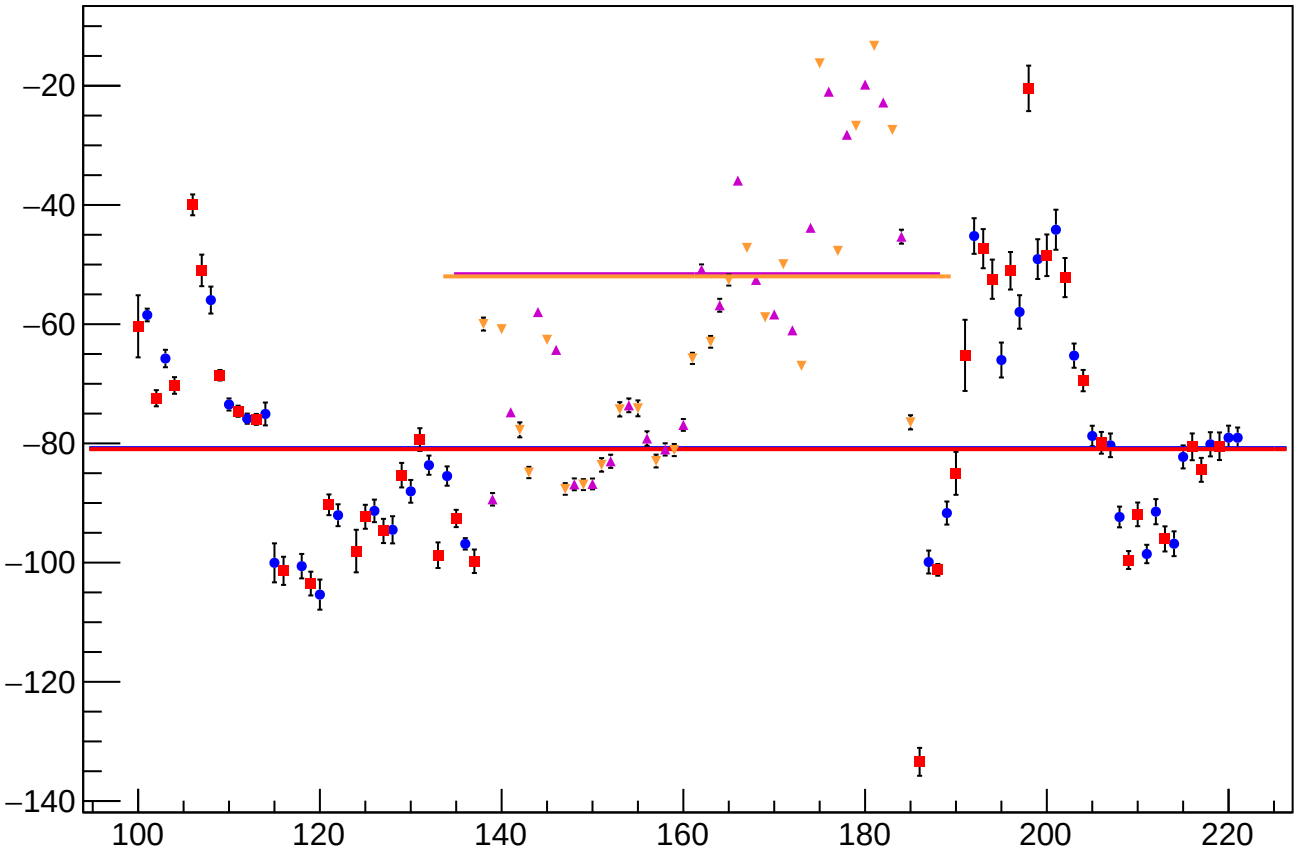
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 2.416+/-0.228 χ^2/NDF: 3860.9/70

In: 2.878+/-0.122 χ^2/NDF:7531.9/56

Out: 3.025+/-0.119 χ^2/NDF:9470.1/61

All: 2.953+/-0.085 χ^2/NDF: 17002.7/118



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: -80.969+/-0.288 χ^2/NDF: 3527.0/36

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

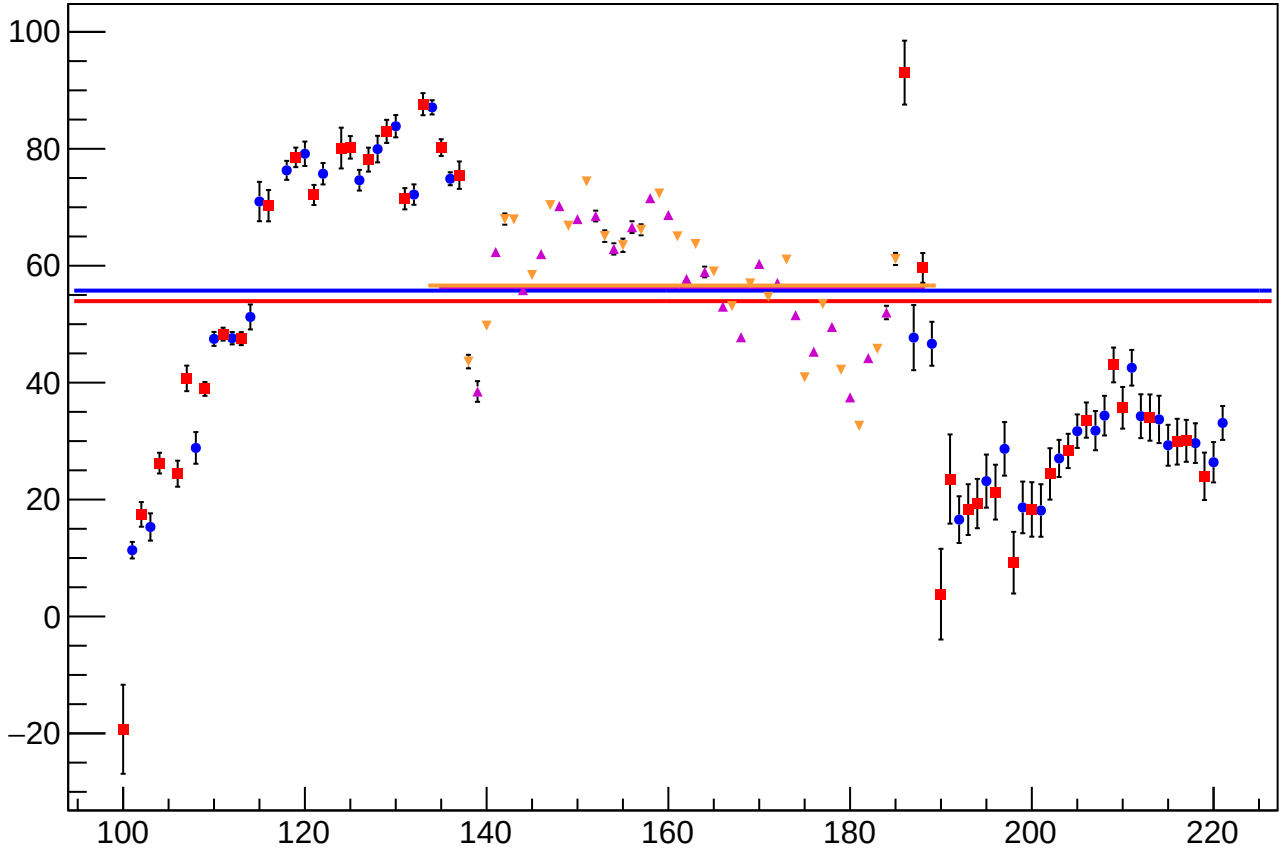
Right: -80.881+/-0.205 χ^2/NDF: 5814.8/70

In: -58.942+/-0.146 χ^2/NDF:27394.0/56

Out: -59.117+/-0.143 χ^2/NDF:32028.1/61

All: -59.031+/-0.102 χ^2/NDF: 59422.8/118

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: 53.940+/-0.367 χ^2/NDF: 3661.1/36

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

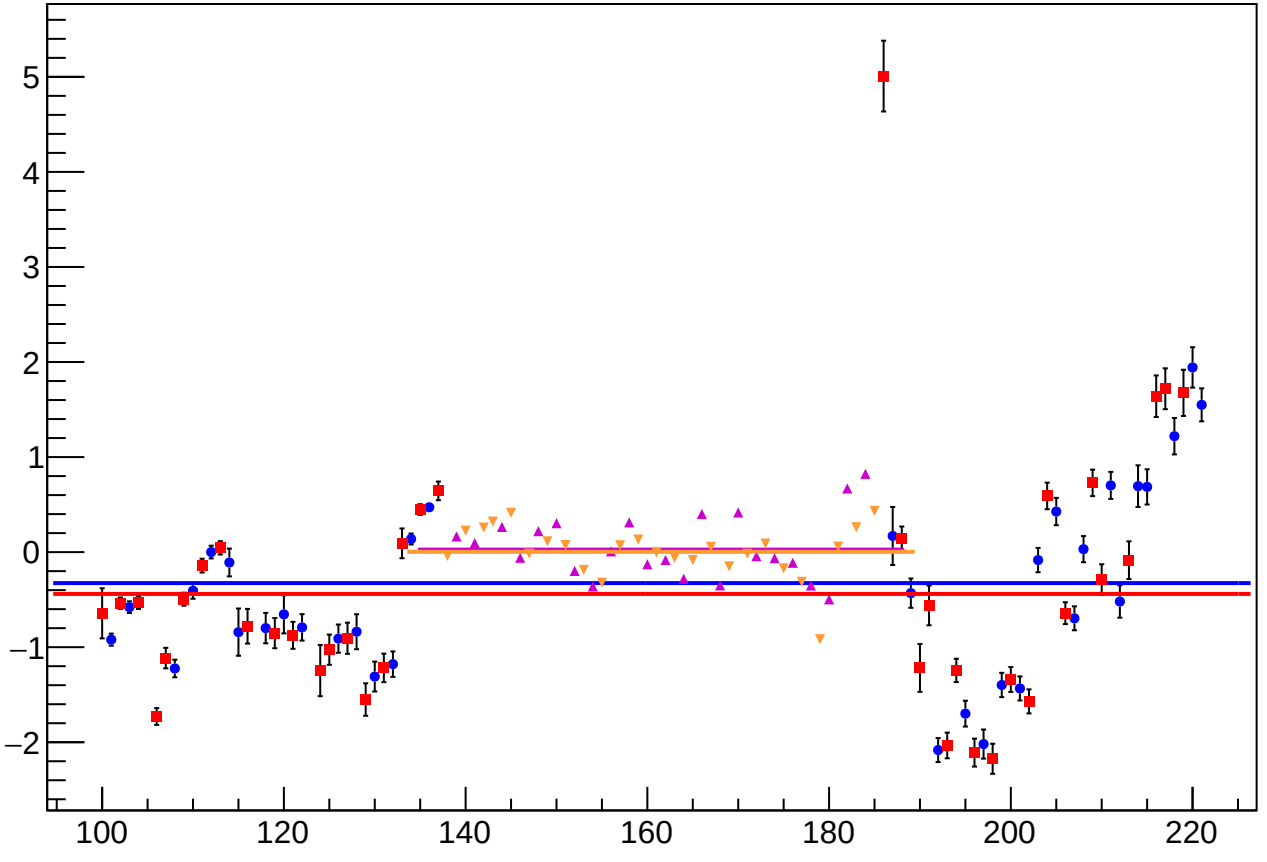
Right: 54.852+/-0.258 χ^2/NDF: 7988.6/70

In: 56.262+/-0.137 χ^2/NDF:8286.3/56

Out: 56.256+/-0.134 χ^2/NDF:9373.3/61

All: 56.259+/-0.096 χ^2/NDF: 17659.7/118

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: -0.440+/-0.019 χ^2/NDF: 2028.8/36

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

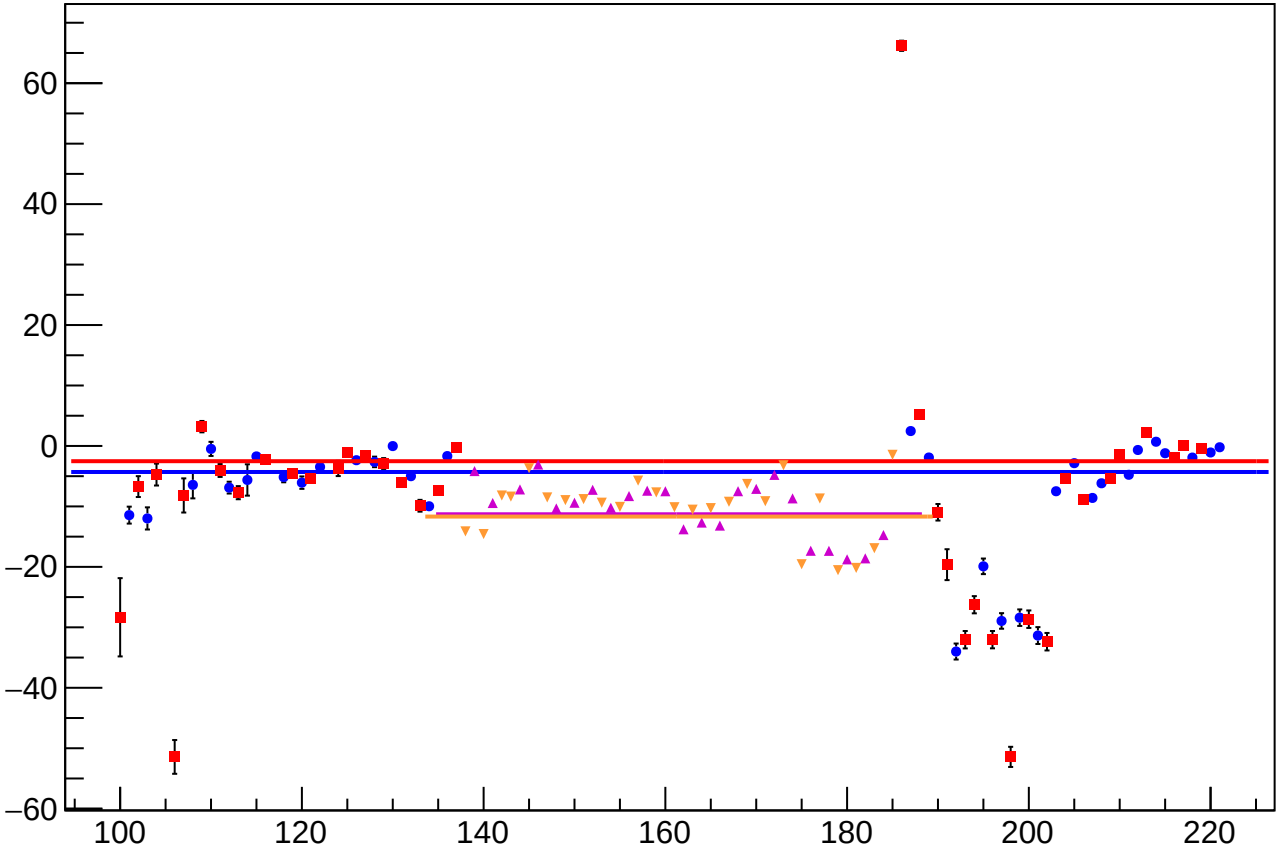
Right: -0.382+/-0.013 χ^2/NDF: 3794.6/70

In: -0.013+/-0.006 χ^2/NDF:4416.9/56

Out: -0.043+/-0.006 χ^2/NDF:4226.7/61

All: -0.028+/-0.004 χ^2/NDF: 8655.4/118

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: -2.521+/-0.138 χ^2/NDF: 10596.3/36

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

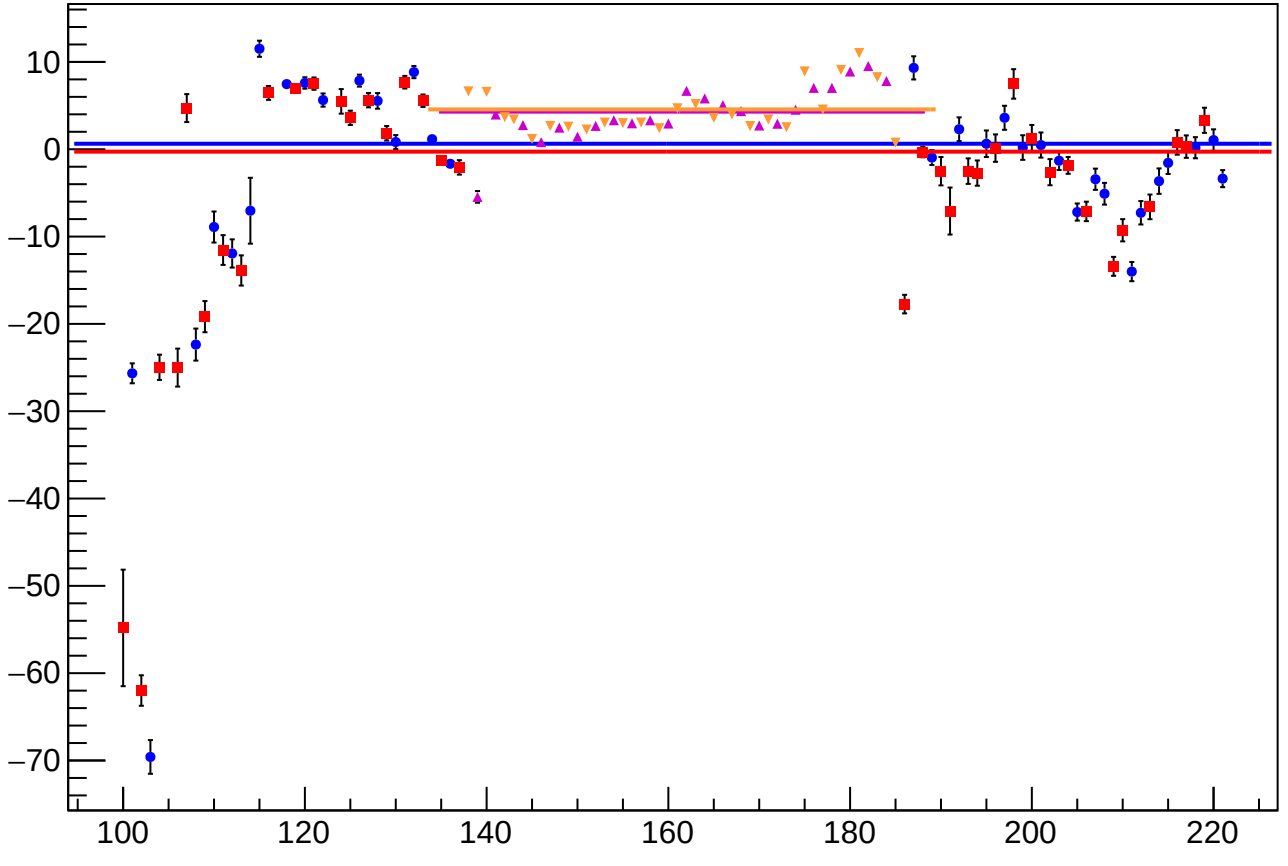
Right: -3.465+/-0.095 χ^2/NDF: 12962.4/70

In: -10.276+/-0.050 χ^2/NDF:13968.9/56

Out: -10.515+/-0.049 χ^2/NDF:27047.4/61

All: -10.397+/-0.035 χ^2/NDF: 41028.0/118

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: -0.275+/-0.168 χ^2/NDF: 3206.3/36

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

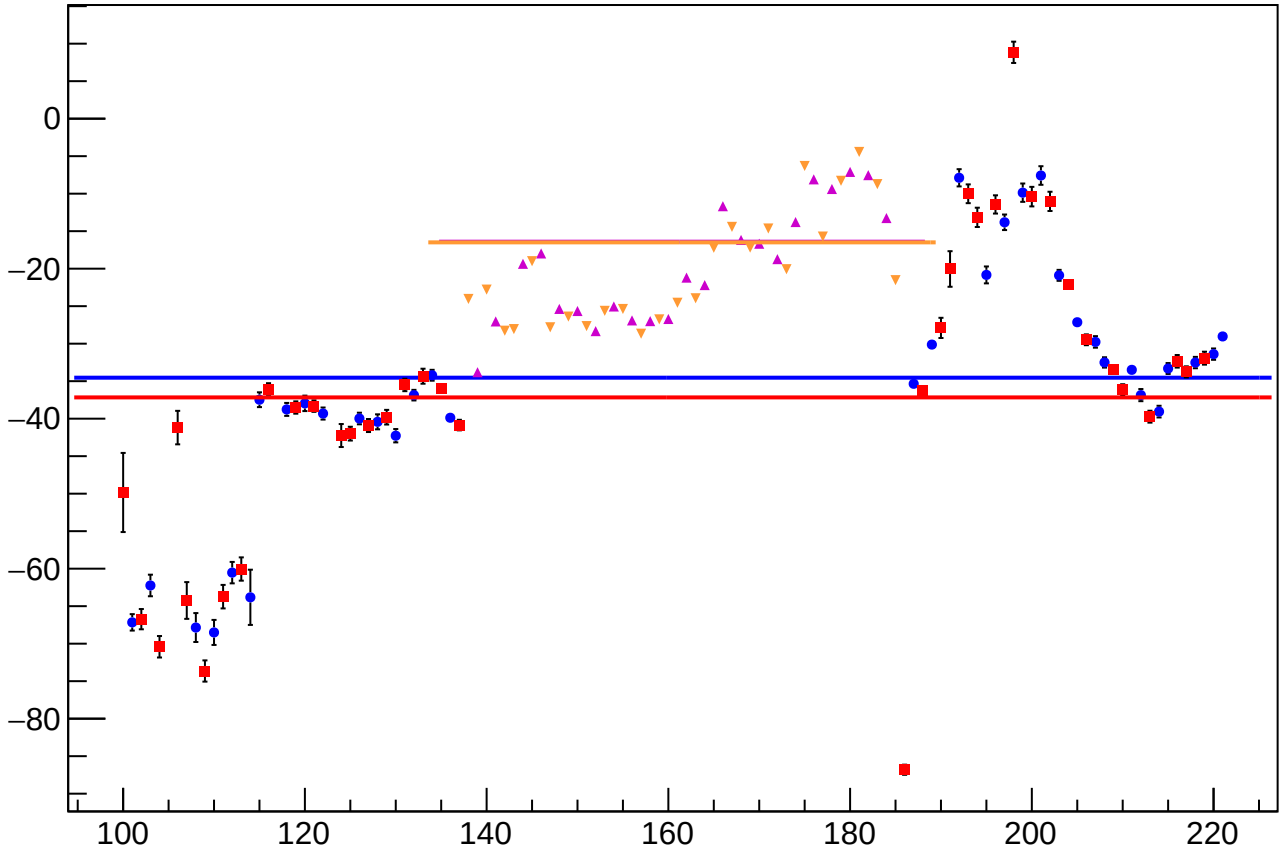
Right: 0.209+/-0.115 χ^2/NDF: 6496.9/70

In: 4.062+/-0.041 χ^2/NDF:7395.7/56

Out: 4.288+/-0.040 χ^2/NDF:8341.6/61

All: 4.176+/-0.029 χ^2/NDF: 15753.0/118

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: -37.165+/-0.142 χ^2/NDF: 11920.5/36

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

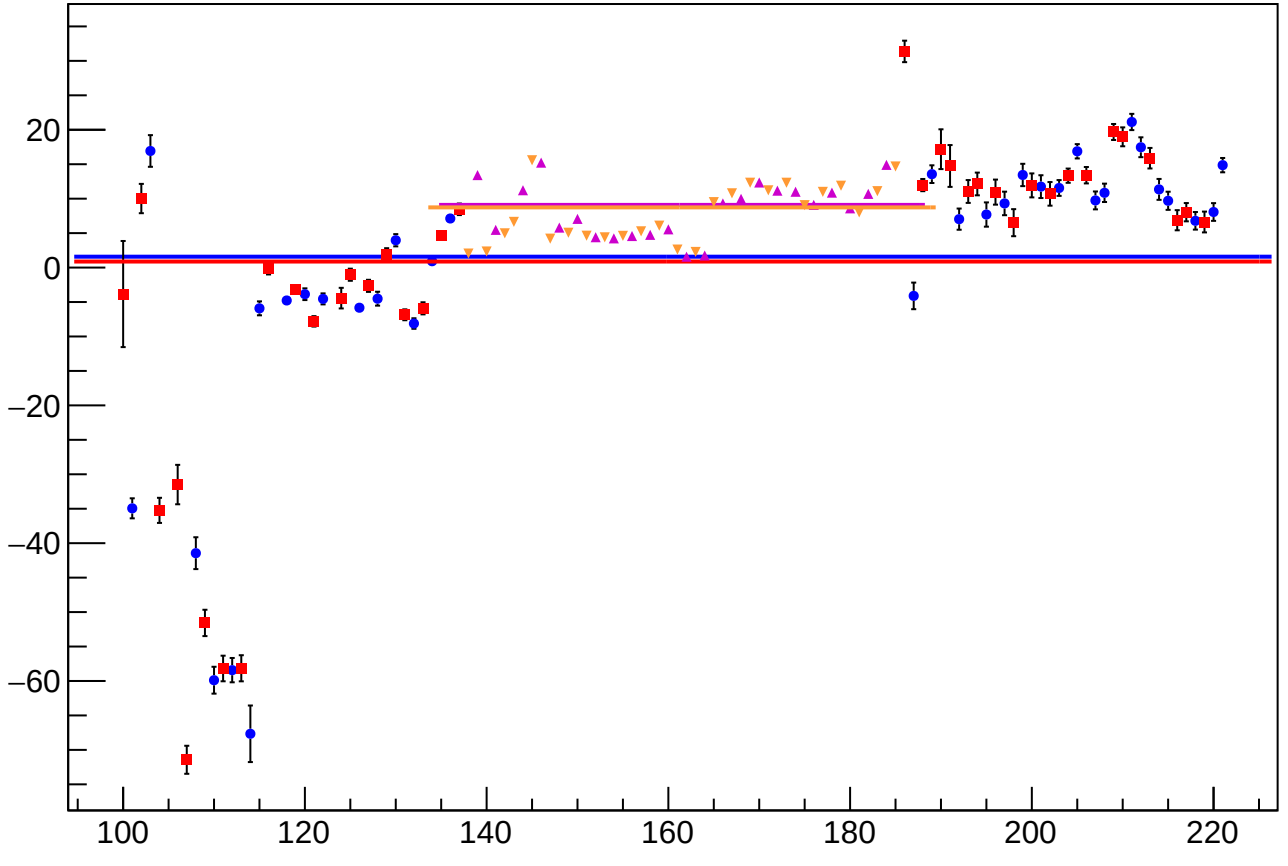
Right: -35.794+/-0.098 χ^2/NDF: 17641.5/70

In: -18.856+/-0.050 χ^2/NDF:38875.9/56

Out: -18.994+/-0.049 χ^2/NDF:52468.3/61

All: -18.926+/-0.035 χ^2/NDF: 91348.1/118

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: 0.877+/-0.191 χ^2/NDF: 6666.7/36

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

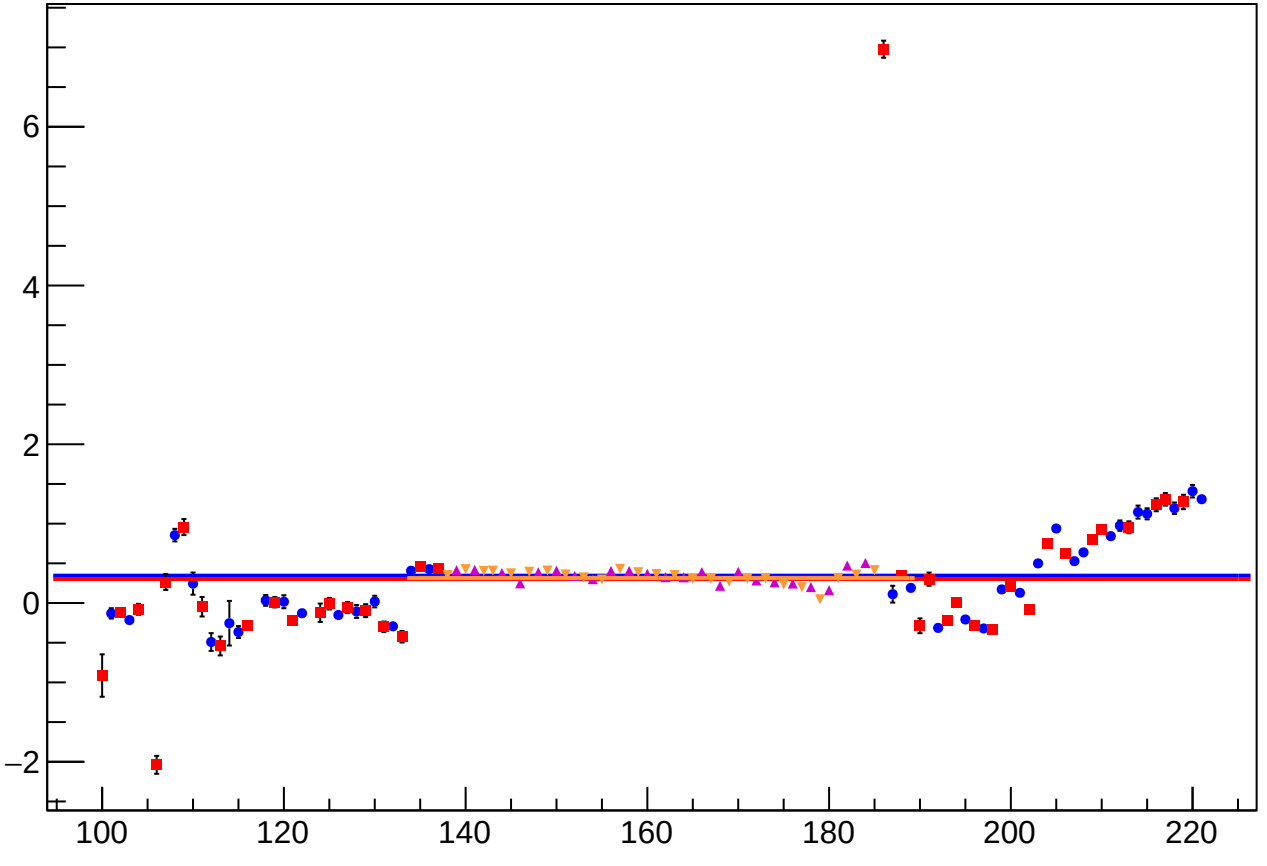
Right: 1.260+/-0.129 χ^2/NDF: 12157.3/70

In: 8.589+/-0.045 χ^2/NDF:12943.0/56

Out: 8.302+/-0.045 χ^2/NDF:15136.7/61

All: 8.443+/-0.032 χ^2/NDF: 28099.9/118

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: 0.302+/-0.010 χ^2/NDF: 6273.3/36

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

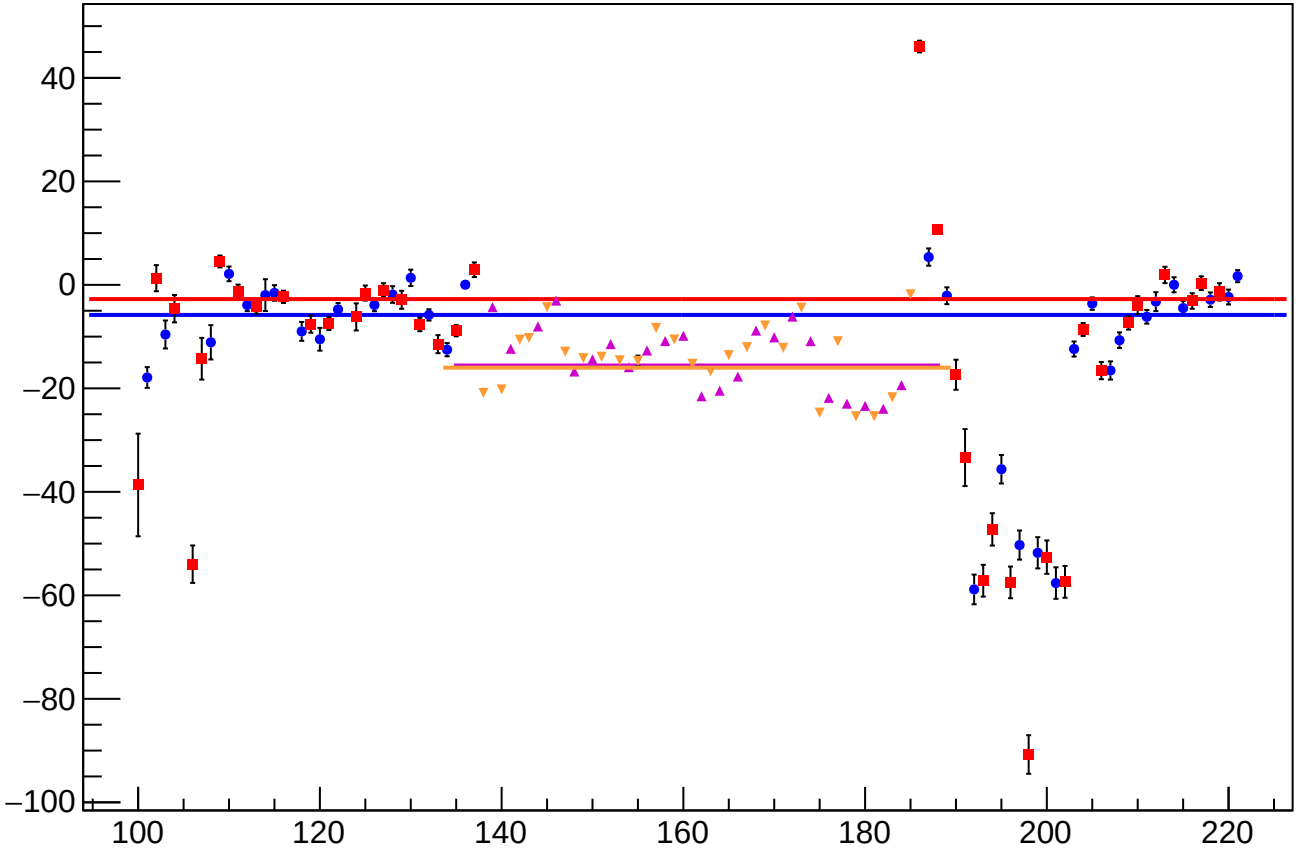
Right: 0.325+/-0.006 χ^2/NDF: 8583.4/70

In: 0.320+/-0.002 χ^2/NDF:4095.3/56

Out: 0.313+/-0.002 χ^2/NDF:7876.9/61

All: 0.317+/-0.001 χ^2/NDF: 11977.6/118

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: -2.746+/-0.264 χ^2/NDF: 4595.0/36

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

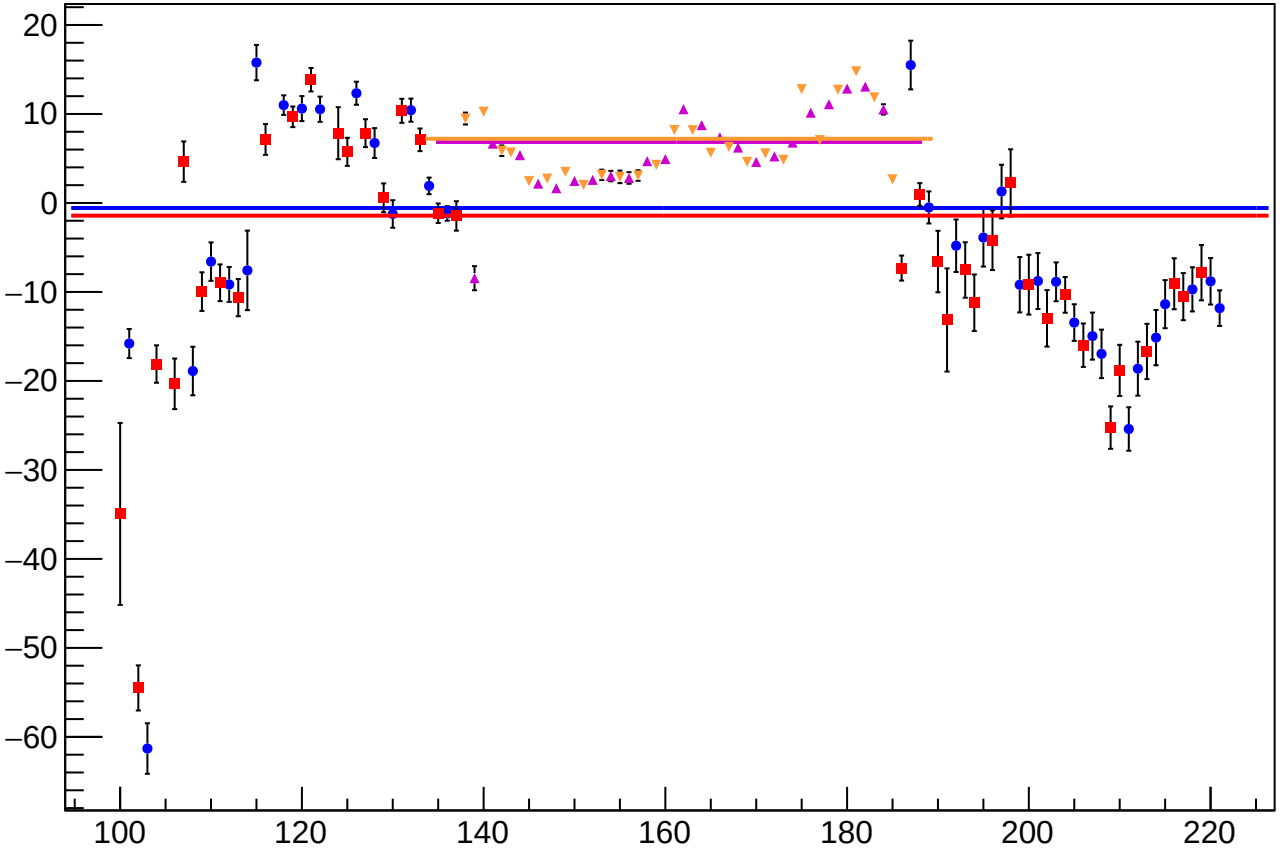
Right: -4.322+/-0.184 χ^2/NDF: 6304.6/70

In: -14.248+/-0.095 χ^2/NDF:7654.1/56

Out: -14.358+/-0.093 χ^2/NDF:12761.8/61

All: -14.304+/-0.066 χ^2/NDF: 20416.6/118

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: -1.425+/-0.321 χ^2/NDF: 1349.8/36

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

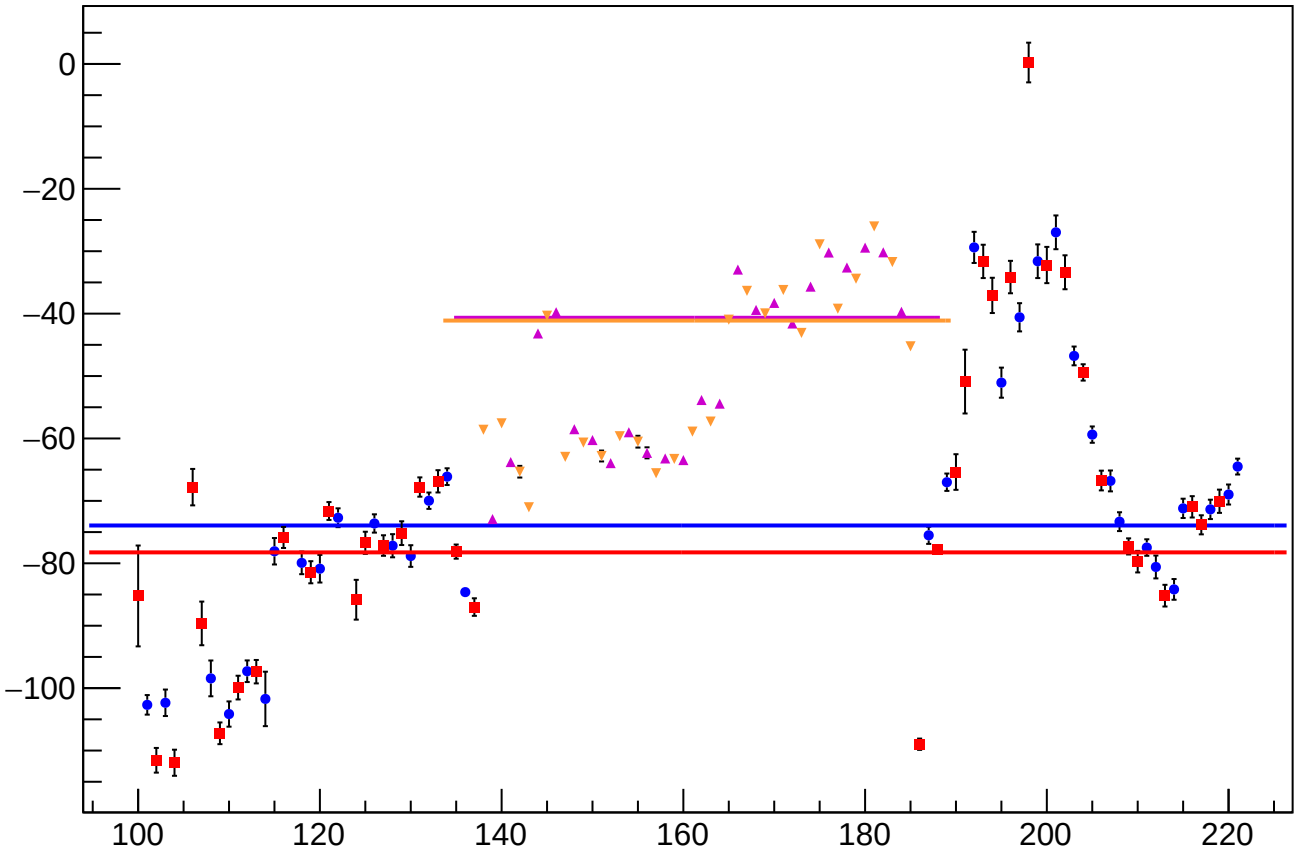
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: -0.976+/-0.222 χ^2/NDF: 2876.2/70

In: 6.372+/-0.078 χ^2/NDF:4226.2/56

Out: 6.707+/-0.078 χ^2/NDF:4485.4/61

All: 6.541+/-0.055 χ^2/NDF: 8720.9/118



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: -78.251+/-0.276 χ^2/NDF: 4983.8/36

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

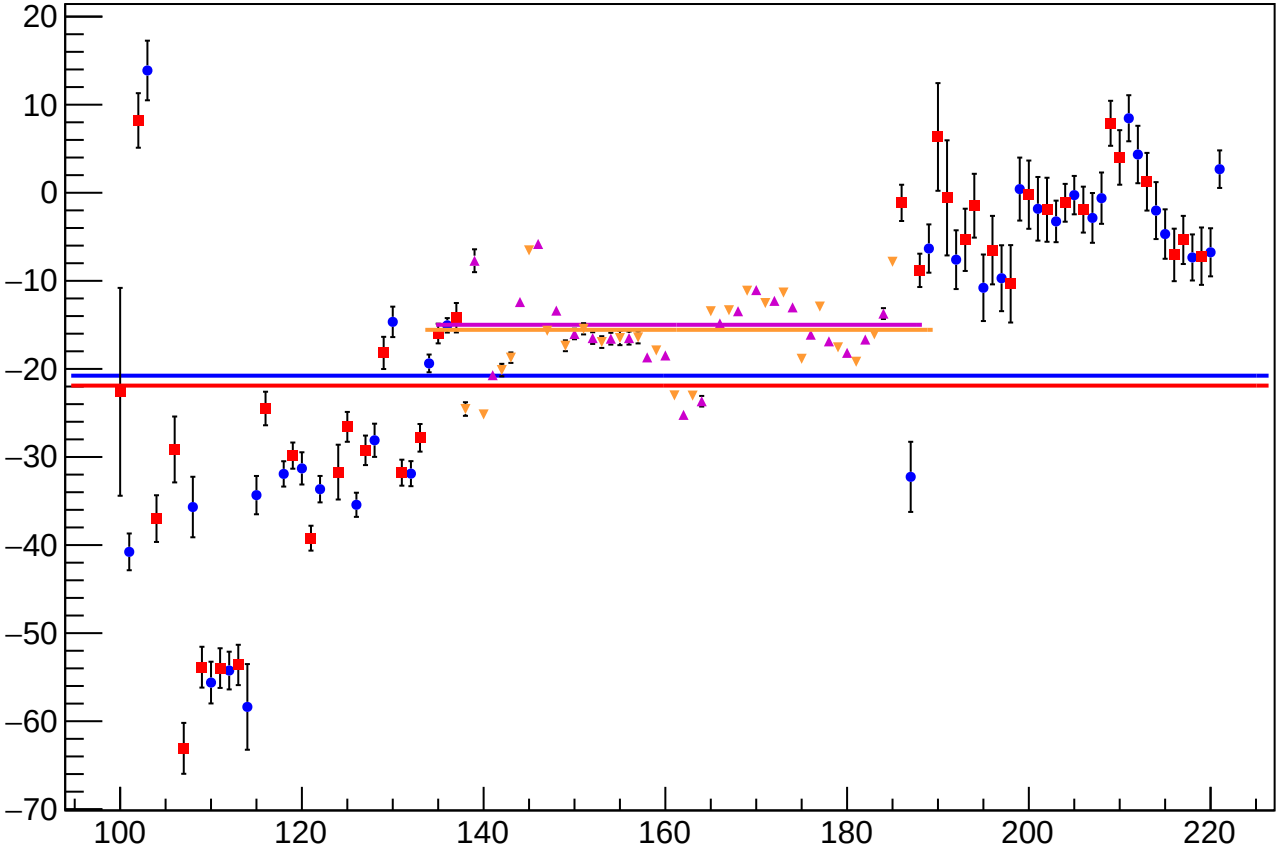
Right: -76.067+/-0.194 χ^2/NDF: 8245.6/70

In: -44.783+/-0.096 χ^2/NDF:29793.6/56

Out: -45.428+/-0.094 χ^2/NDF:37019.9/61

All: -45.111+/-0.067 χ^2/NDF: 66836.7/118

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: -21.895+/-0.367 χ^2/NDF: 2058.0/36

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

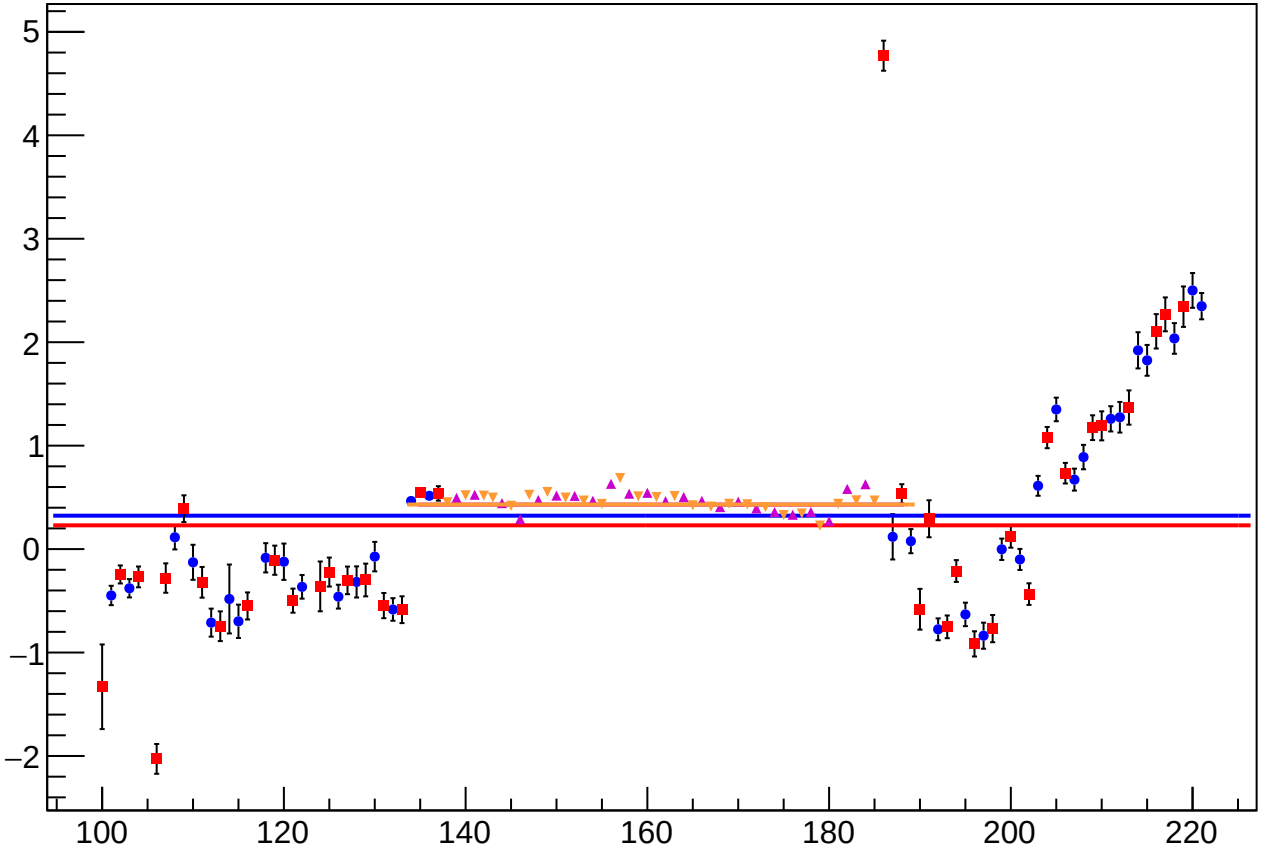
Right: -21.291+/-0.250 χ^2/NDF: 4044.4/70

In: -15.367+/-0.087 χ^2/NDF:4399.6/56

Out: -15.913+/-0.086 χ^2/NDF:4888.5/61

All: -15.643+/-0.061 χ^2/NDF: 9307.9/118

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: 0.230+/-0.019 χ^2/NDF: 2603.7/36

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

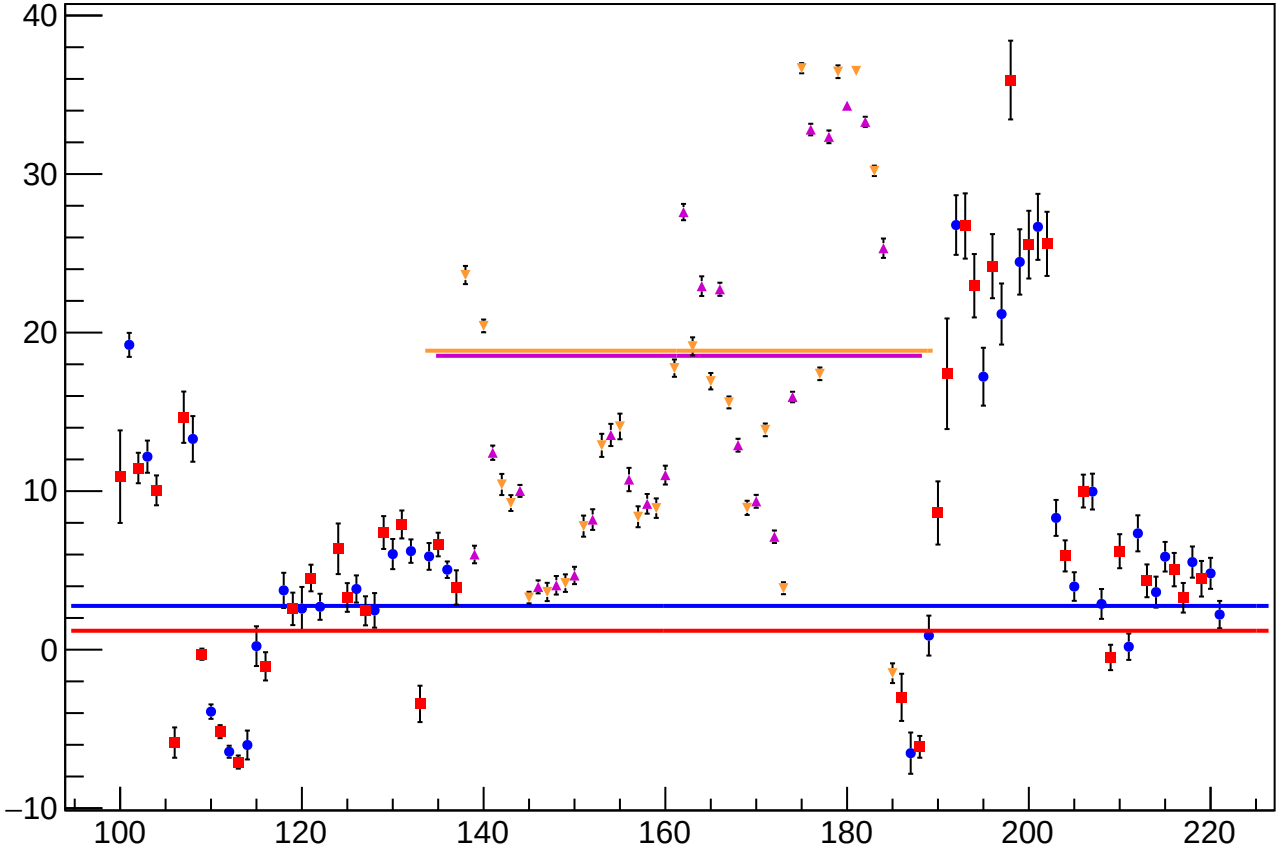
Right: 0.281+/-0.013 χ^2/NDF: 4357.1/70

In: 0.424+/-0.004 χ^2/NDF:2360.2/56

Out: 0.422+/-0.004 χ^2/NDF:3131.4/61

All: 0.423+/-0.003 χ^2/NDF: 5491.8/118

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: 1.194+/-0.144 χ^2/NDF: 2394.0/36

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

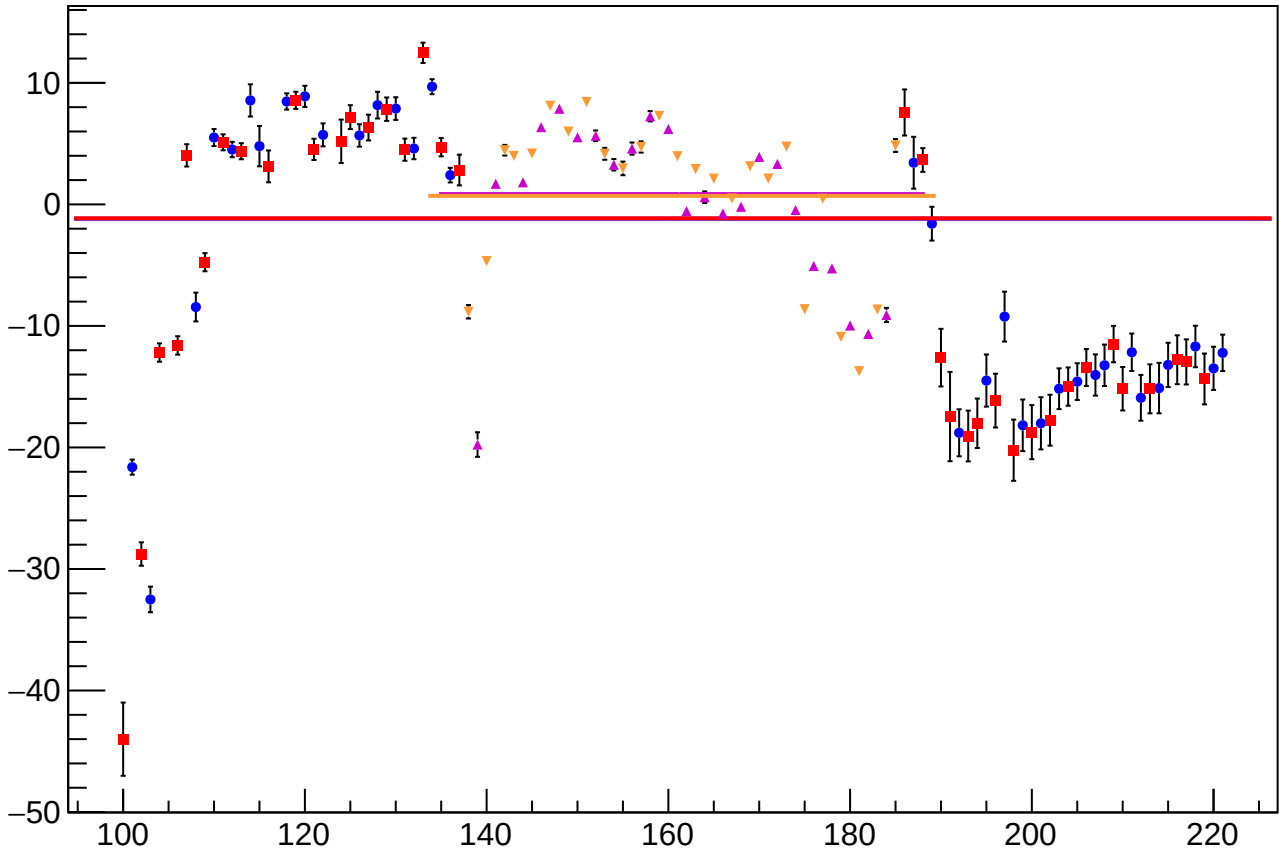
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.943+/-0.104 χ^2/NDF: 4756.9/70

In: 14.162+/-0.079 χ^2/NDF:24308.2/56

Out: 13.872+/-0.077 χ^2/NDF:31544.2/61

All: 14.012+/-0.055 χ^2/NDF: 55859.3/118



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: -1.146+/-0.183 χ^2/NDF: 3352.4/36

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

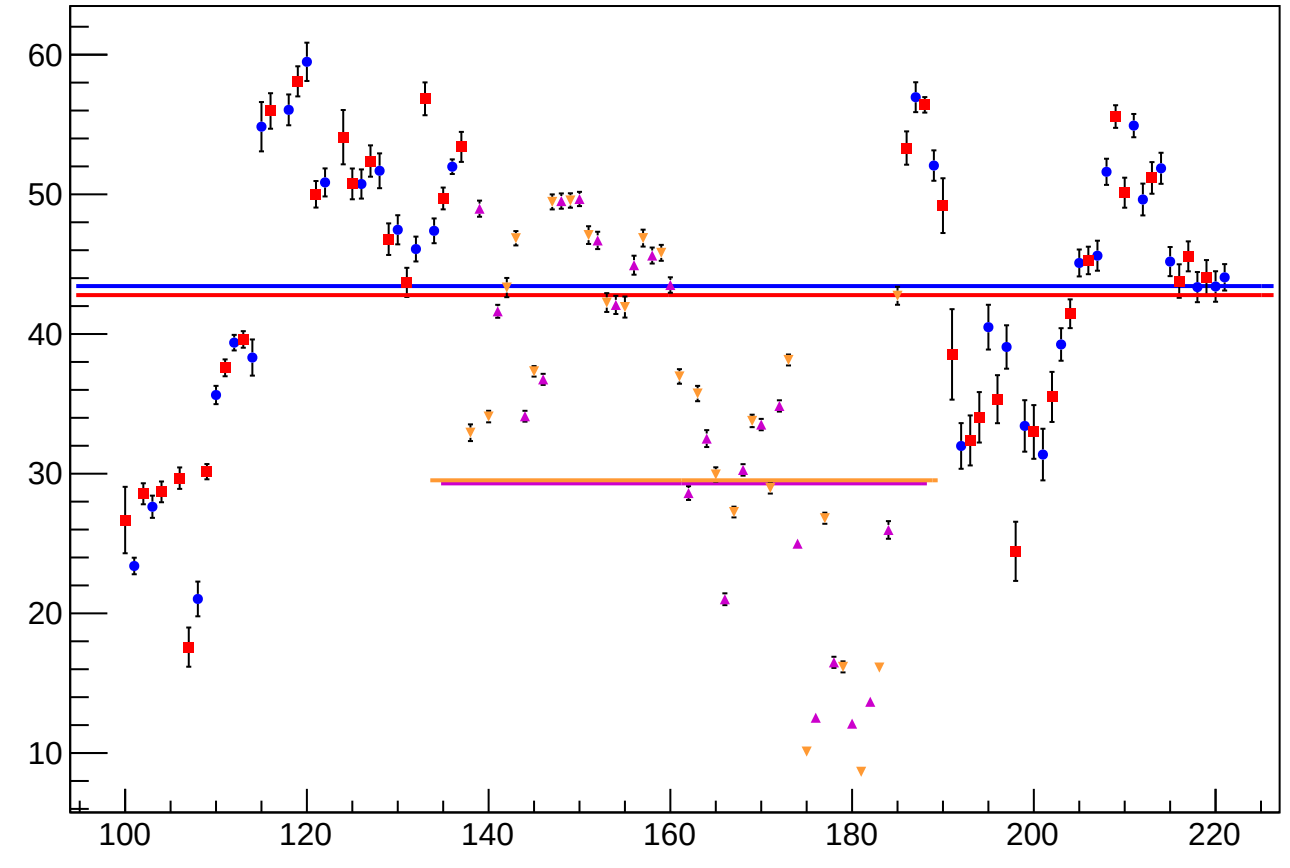
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: -1.160+/-0.129 χ^2/NDF: 7464.2/70

In: 0.573+/-0.067 χ^2/NDF:10262.6/56

Out: 0.462+/-0.066 χ^2/NDF:11679.2/61

All: 0.516+/-0.047 χ^2/NDF: 21943.3/118



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: 42.785+/-0.163 χ^2/NDF: 4124.7/36

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

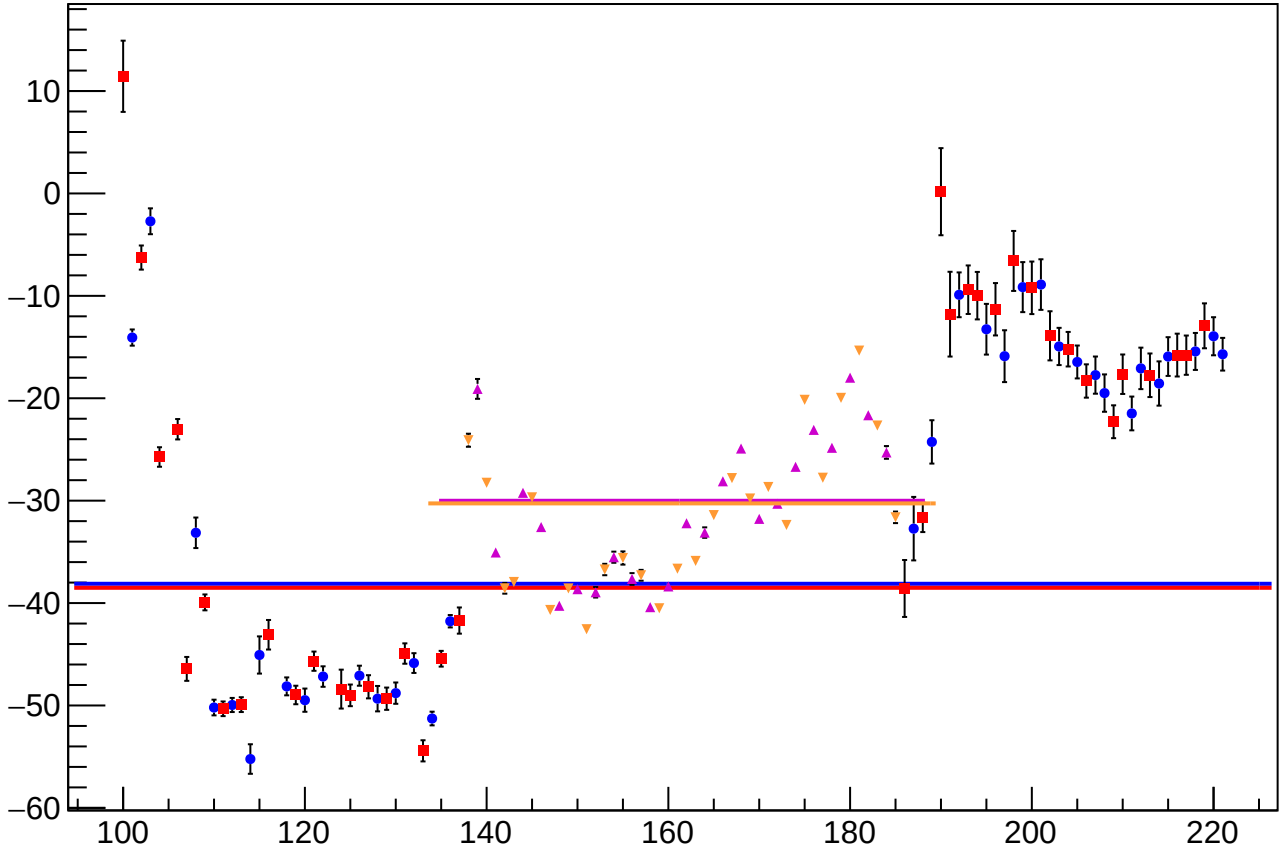
Right: 43.104+/-0.116 χ^2/NDF: 7702.5/70

In: 32.707+/-0.081 χ^2/NDF:26984.8/56

Out: 32.659+/-0.079 χ^2/NDF:30270.5/61

All: 32.682+/-0.057 χ^2/NDF: 57255.5/118

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: -38.508+/-0.208 χ^2/NDF: 4786.9/36

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

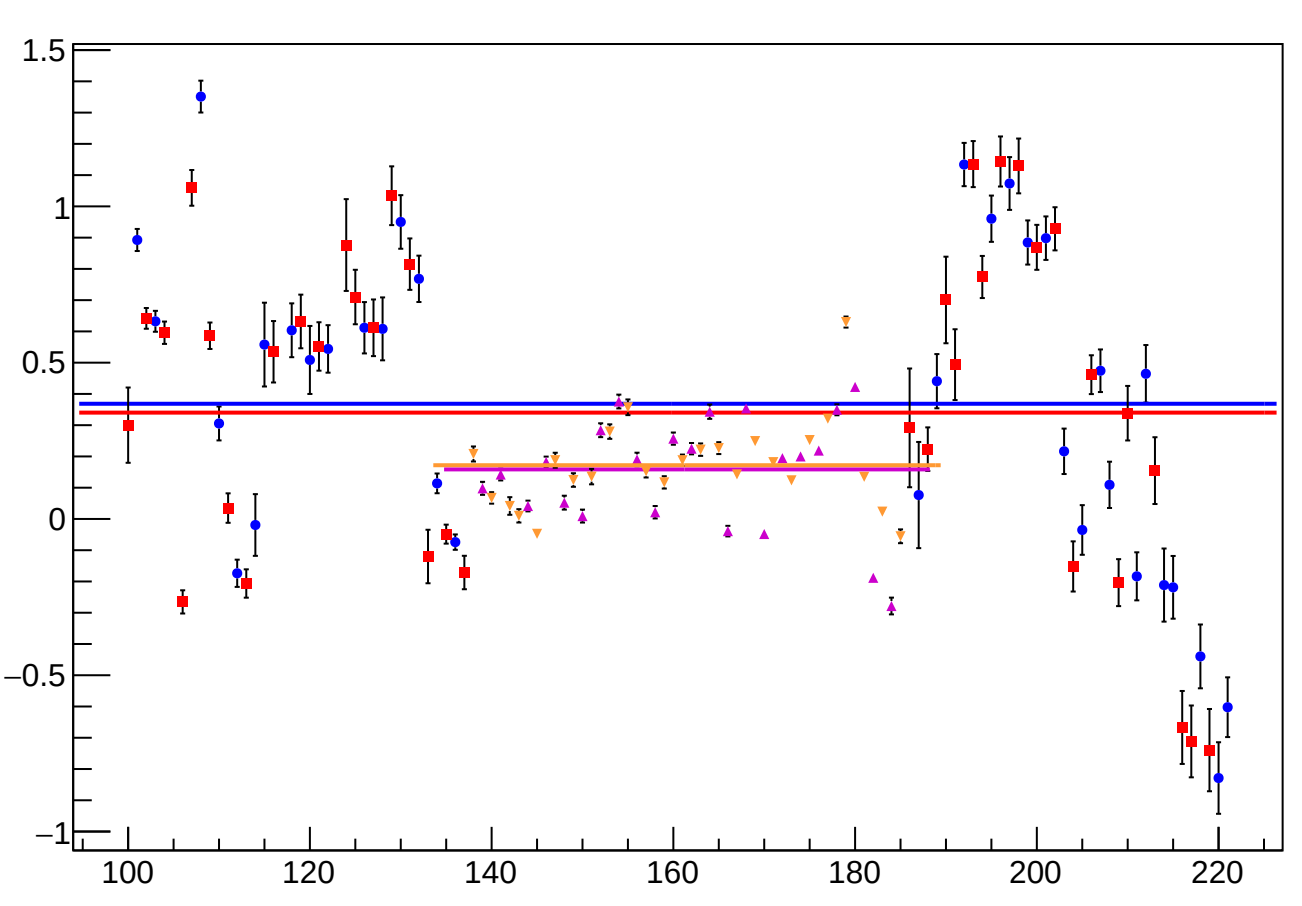
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -38.310+/-0.146 χ^2/NDF: 10480.2/70

In: -31.105+/-0.076 χ^2/NDF:13115.0/56

Out: -31.311+/-0.074 χ^2/NDF:14654.9/61

All: -31.210+/-0.053 χ^2/NDF: 27773.7/118



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: 0.340+/-0.010 χ^2/NDF: 2015.1/36

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

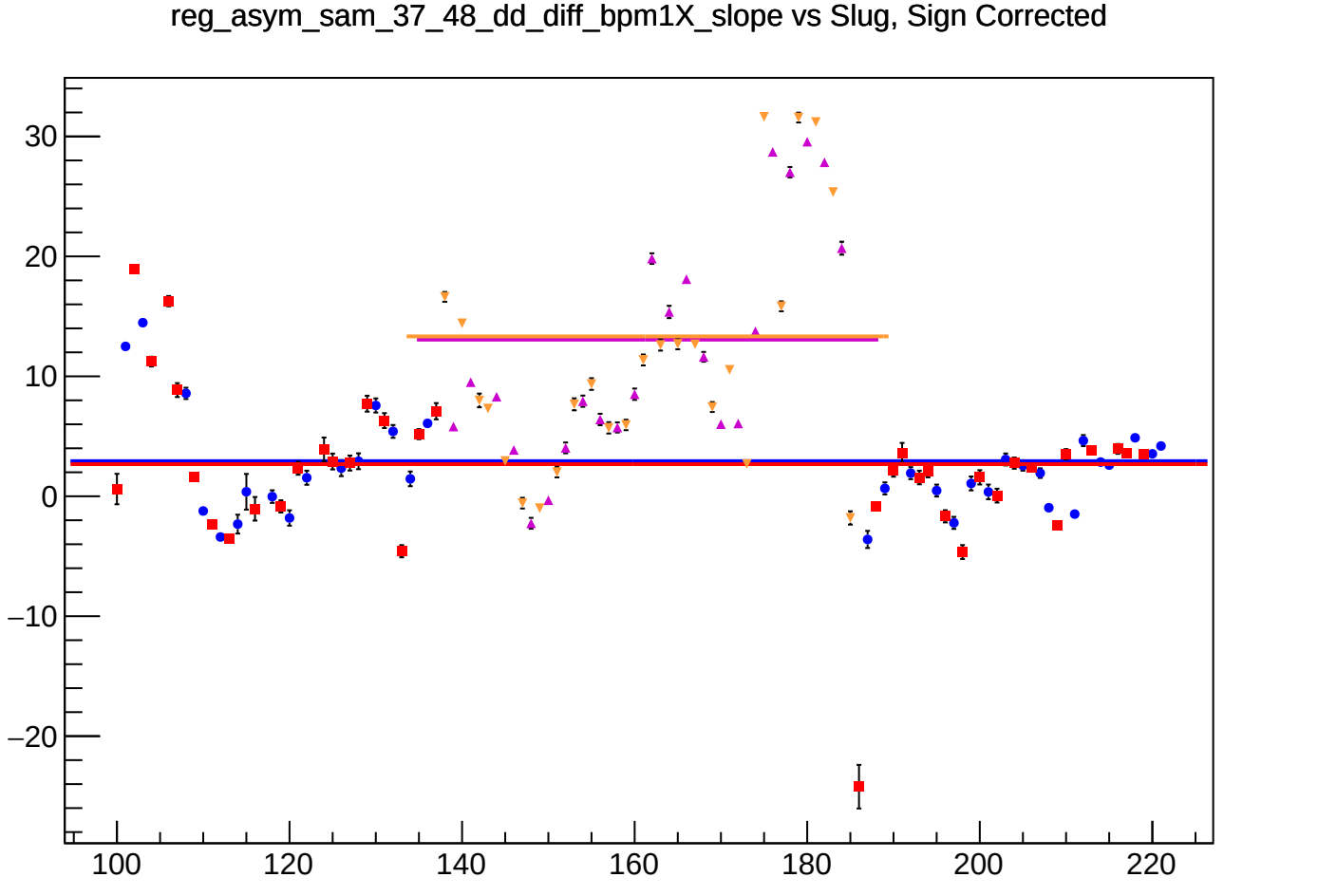
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.354+/-0.007 χ^2/NDF: 4142.3/70

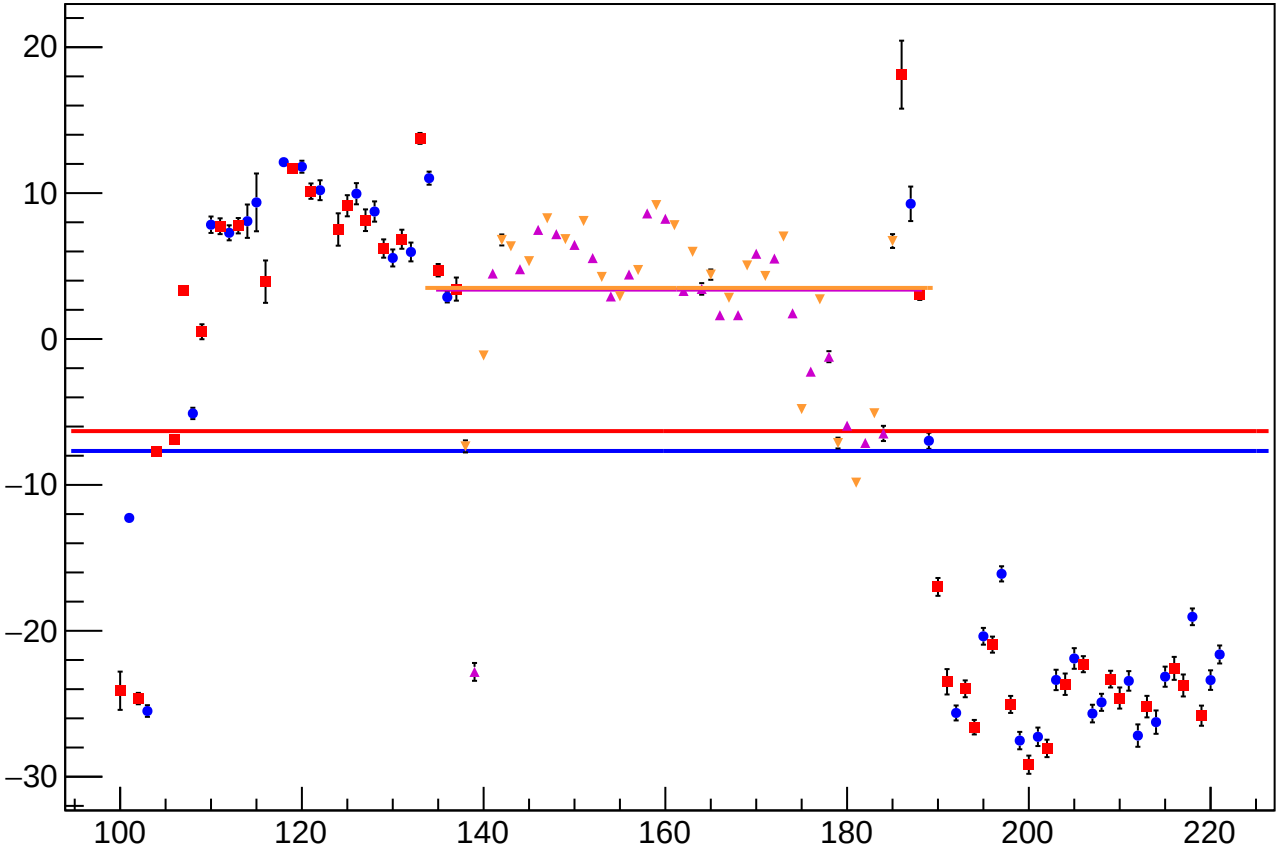
In: 0.182+/-0.003 χ^2/NDF:4676.5/56

Out: 0.190+/-0.003 χ^2/NDF:3752.1/61

All: 0.186+/-0.002 χ^2/NDF: 8431.4/118


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: 2.929+/-0.076 χ²/NDF: 3402.0/33
Left Out: 13.331+/-0.077 χ²/NDF:19432.7/24
Right Out: 2.680+/-0.075 χ²/NDF: 5421.6/36
Left In: 13.061+/-0.079 χ²/NDF:15559.8/22
Left: 13.200+/-0.055 χ²/NDF: 34998.5/47
Right: 2.802+/-0.053 χ²/NDF: 8829.0/70
In: 7.800+/-0.055 χ²/NDF:27434.1/56
Out: 7.863+/-0.054 χ²/NDF:34735.3/61
All: 7.833+/-0.038 χ²/NDF: 62170.0/118

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -6.312+/-0.088 χ^2/NDF: 28128.4/36

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

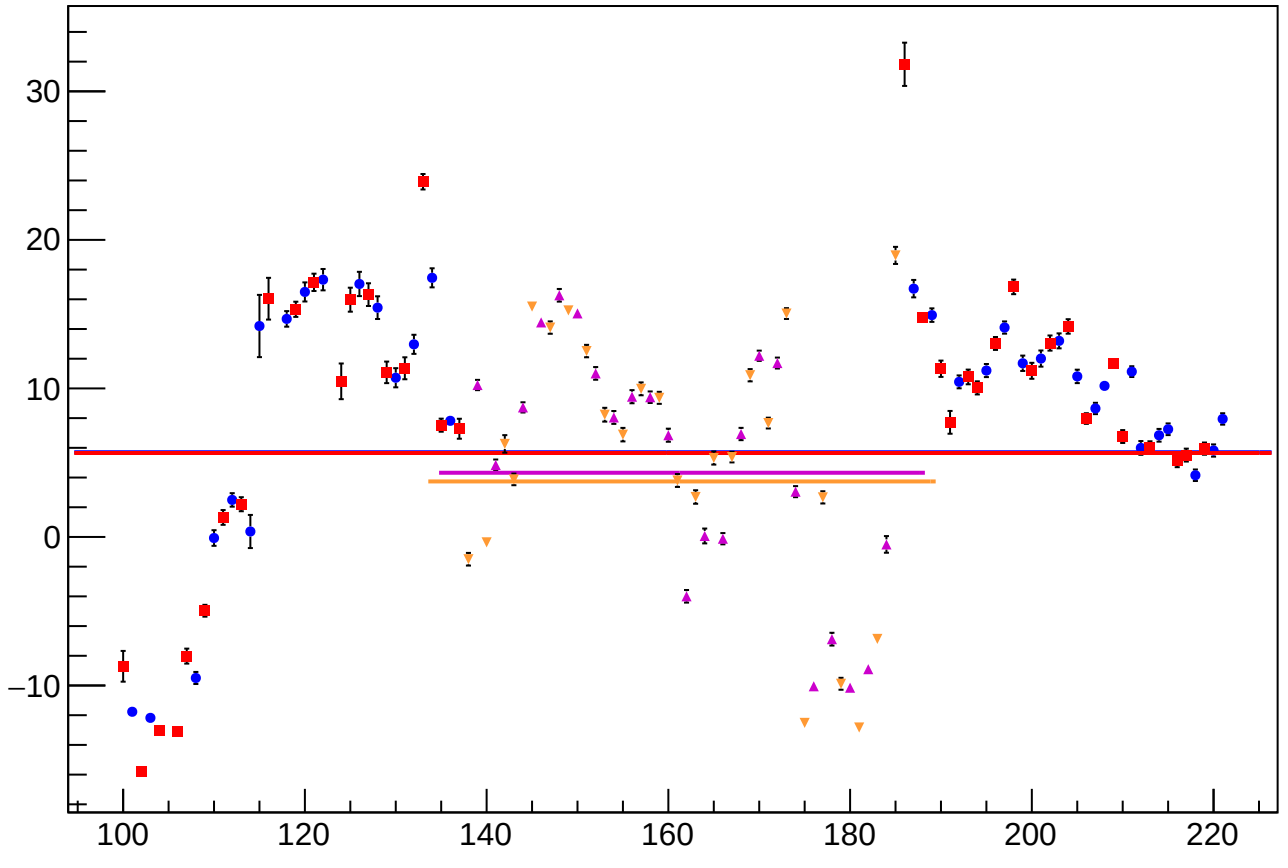
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -6.969+/-0.064 χ^2/NDF: 54538.6/70

In: -0.018+/-0.051 χ^2/NDF:43116.0/56

Out: 0.503+/-0.049 χ^2/NDF:44623.5/61

All: 0.253+/-0.035 χ^2/NDF: 87794.3/118



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: 5.653+/-0.075 χ^2/NDF: 20398.0/36

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

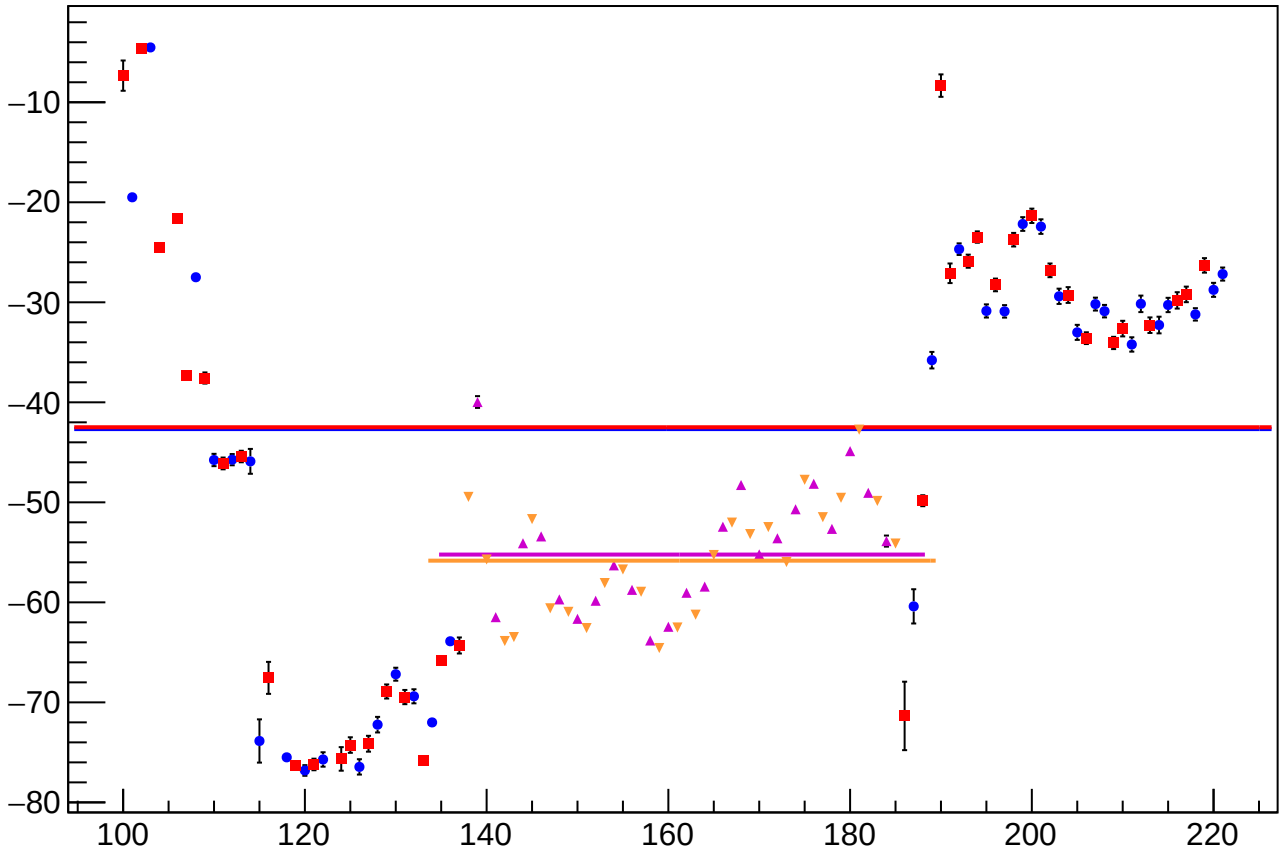
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.677+/-0.054 χ^2/NDF: 34595.7/70

In: 5.029+/-0.055 χ^2/NDF:26838.8/56

Out: 4.716+/-0.053 χ^2/NDF:36305.6/61

All: 4.868+/-0.038 χ^2/NDF: 63161.0/118



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: -42.493+/-0.103 χ^2/NDF: 45086.8/36

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

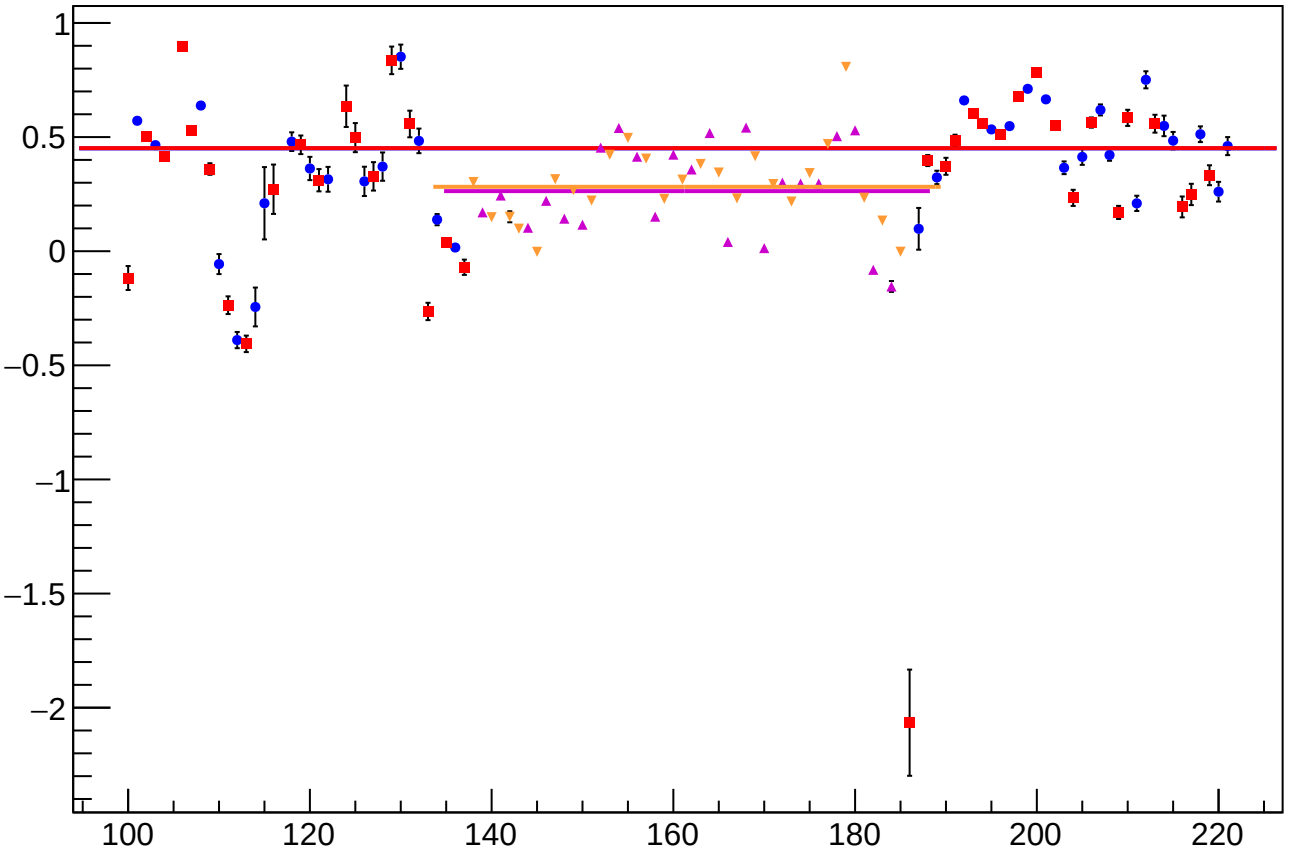
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -42.583+/-0.074 χ^2/NDF: 89638.0/70

In: -51.478+/-0.058 χ^2/NDF:60842.1/56

Out: -51.944+/-0.056 χ^2/NDF:64463.0/61

All: -51.718+/-0.040 χ^2/NDF: 125339.0/118



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: 3829.3/36

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

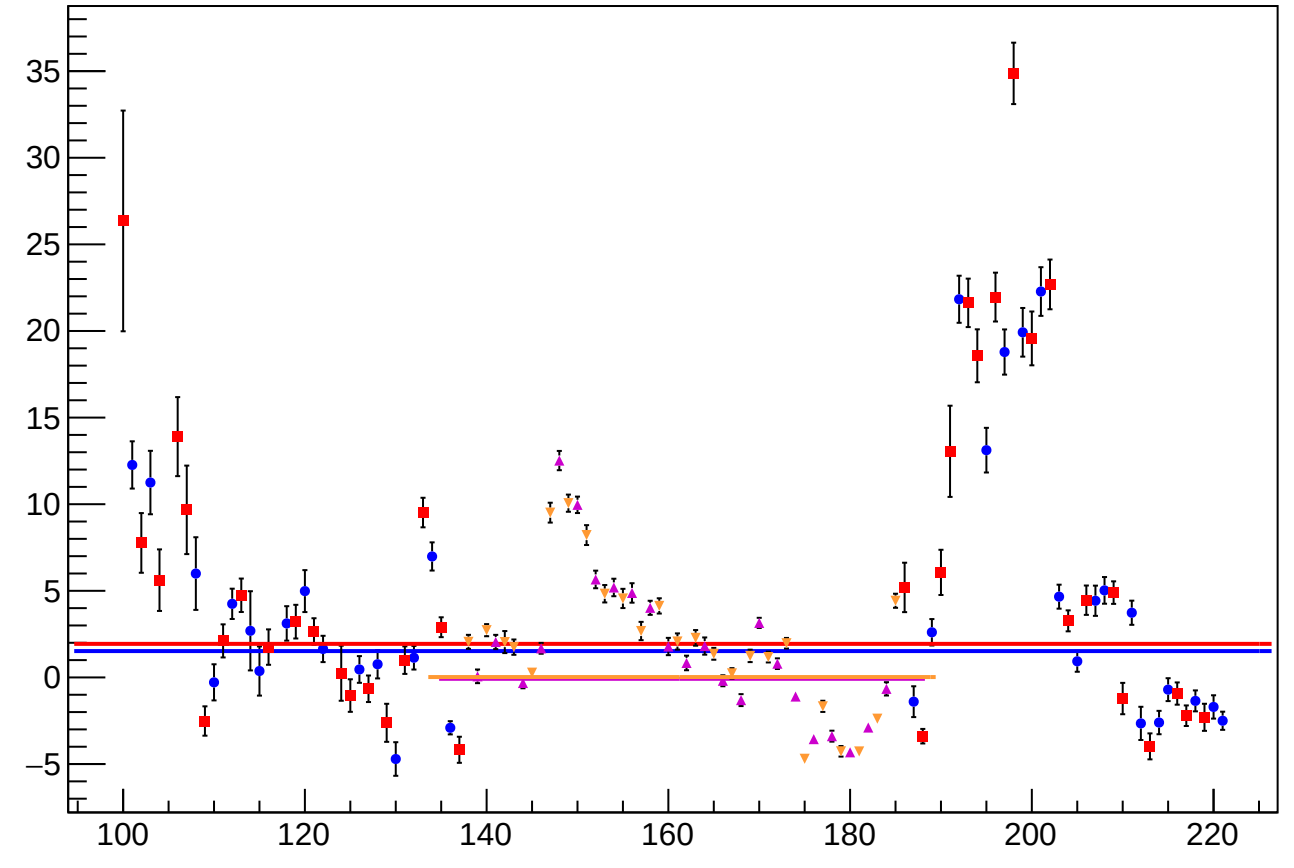
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.451+/-0.003 χ^2/NDF: 6581.8/70

In: 0.322+/-0.003 χ^2/NDF:7774.0/56

Out: 0.337+/-0.002 χ^2/NDF:7584.6/61

All: 0.329+/-0.002 χ^2/NDF: 15377.3/118



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: 1.937+/-0.147 χ^2/NDF: 1897.0/36

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

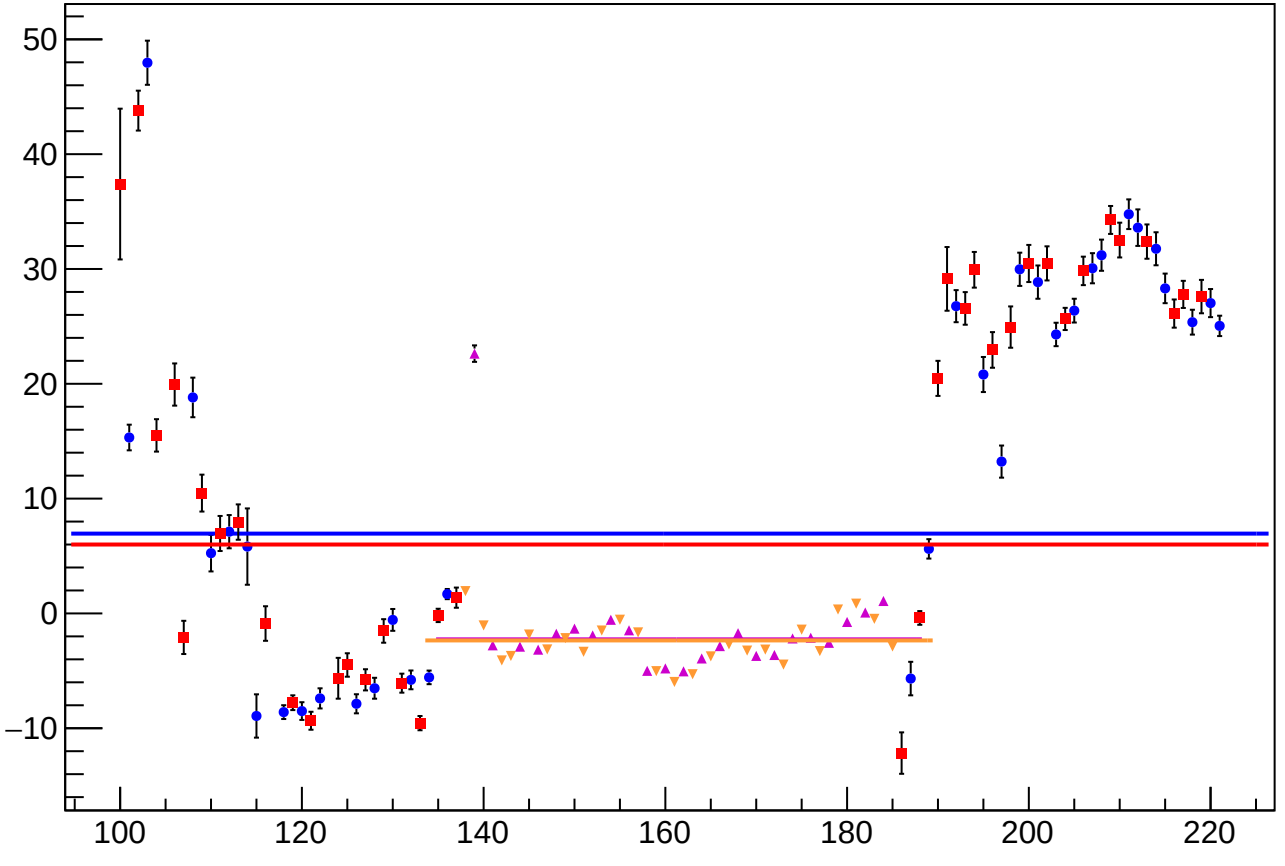
Right: 1.717+/-0.101 χ^2/NDF: 3362.3/70

In: 0.250+/-0.063 χ^2/NDF:4031.2/56

Out: 0.363+/-0.062 χ^2/NDF:4795.4/61

All: 0.307+/-0.044 χ^2/NDF: 8828.1/118

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 6.001+/-0.181 χ^2/NDF: 7175.2/36

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

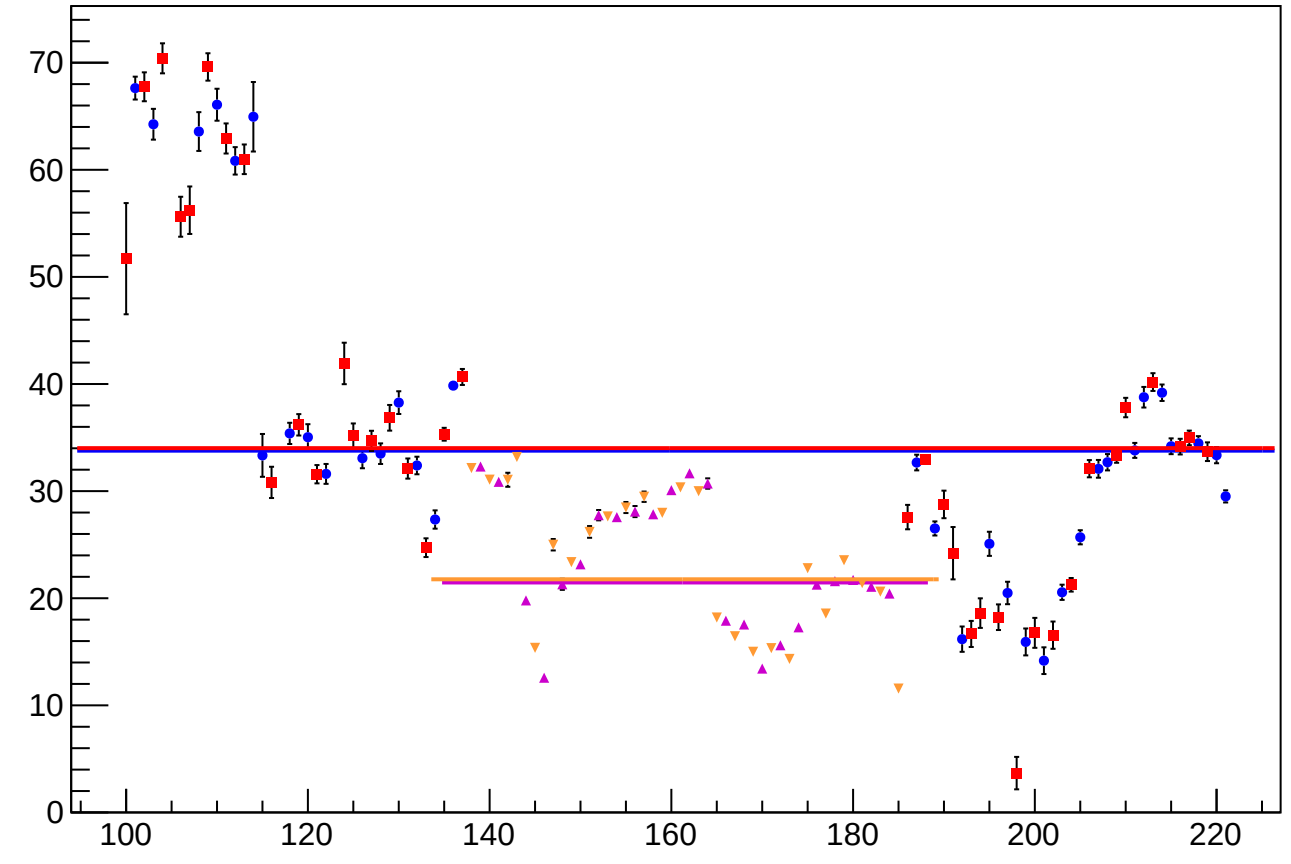
Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

Right: 6.501+/-0.125 χ^2/NDF: 15008.5/70

In: -1.365+/-0.054 χ^2/NDF:12279.1/56

Out: -1.647+/-0.053 χ^2/NDF:10240.6/61

All: -1.508+/-0.038 χ^2/NDF: 22533.7/118



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: 34.012+/-0.151 χ^2/NDF: 5170.3/36

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

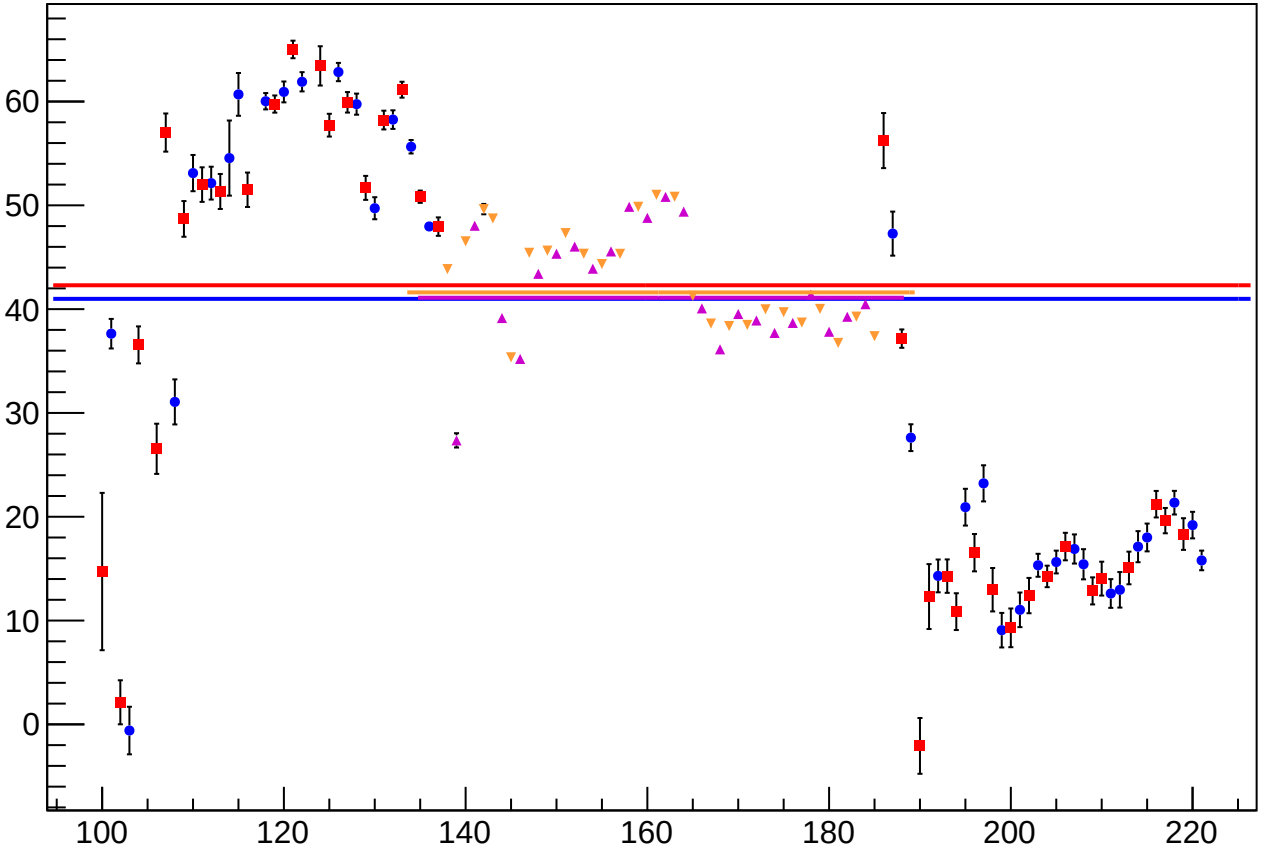
Right: 33.891+/-0.104 χ^2/NDF: 9893.0/70

In: 23.837+/-0.063 χ^2/NDF:16347.3/56

Out: 23.882+/-0.063 χ^2/NDF:17442.9/61

All: 23.860+/-0.045 χ^2/NDF: 33790.4/118

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: 42.299+/-0.207 χ^2/NDF: 8771.5/36

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

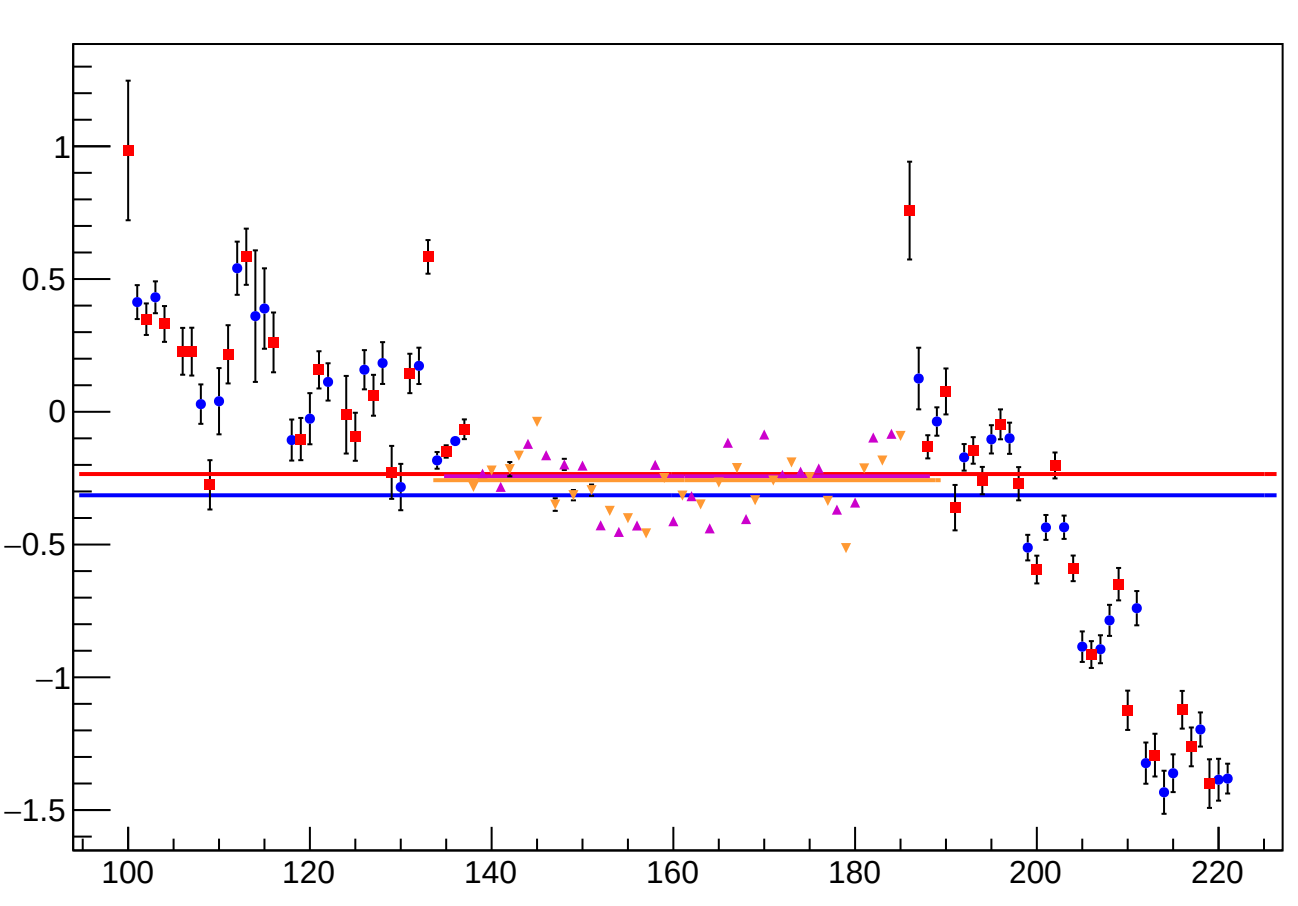
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 41.597+/-0.141 χ^2/NDF: 18526.3/70

In: 41.087+/-0.060 χ^2/NDF:15211.6/56

Out: 41.669+/-0.059 χ^2/NDF:14557.6/61

All: 41.382+/-0.042 χ^2/NDF: 29817.5/118



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: -0.234+/-0.010 χ^2/NDF: 1845.6/36

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

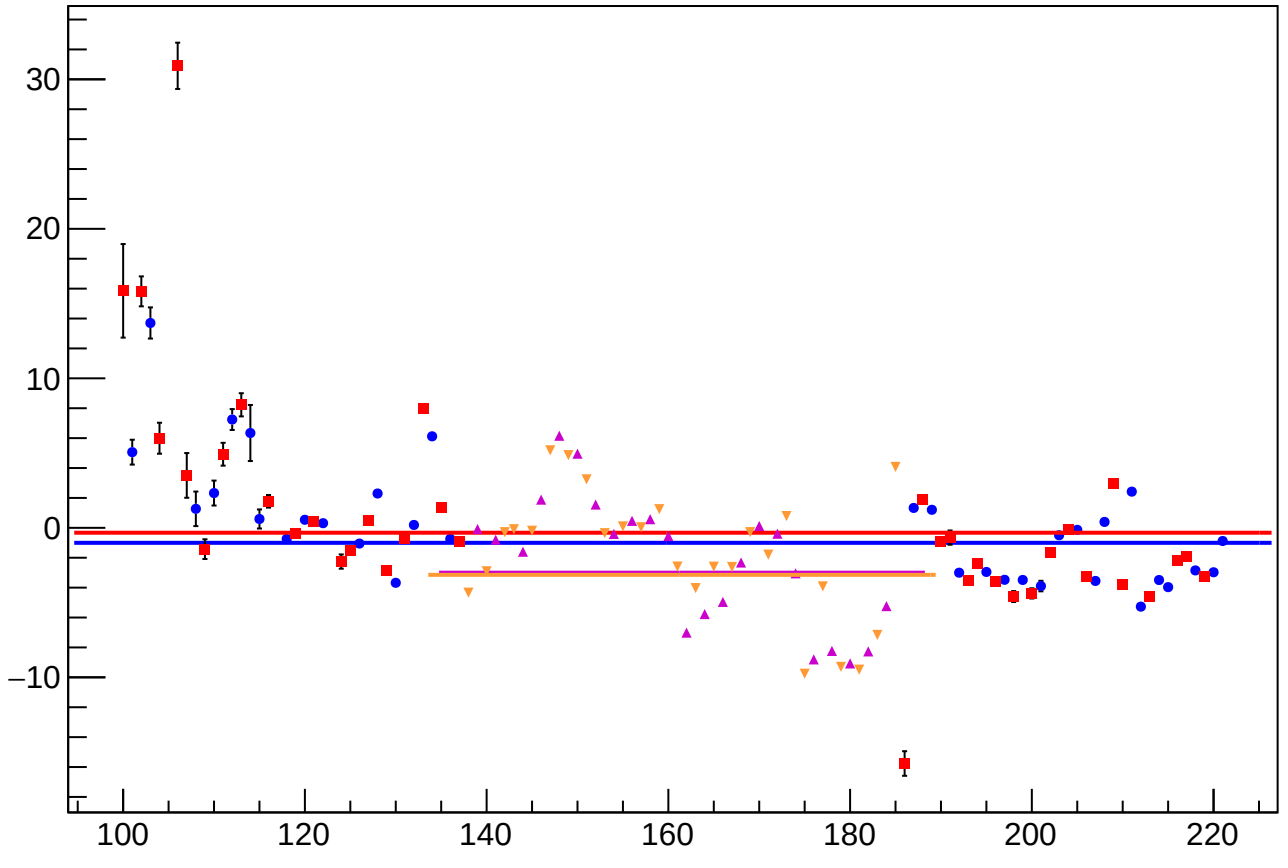
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.277+/-0.007 χ^2/NDF: 4369.5/70

In: -0.249+/-0.003 χ^2/NDF:4355.4/56

Out: -0.256+/-0.003 χ^2/NDF:3365.5/61

All: -0.252+/-0.002 χ^2/NDF: 7724.7/118



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: -0.327+/-0.044 χ^2/NDF: 5932.9/36

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

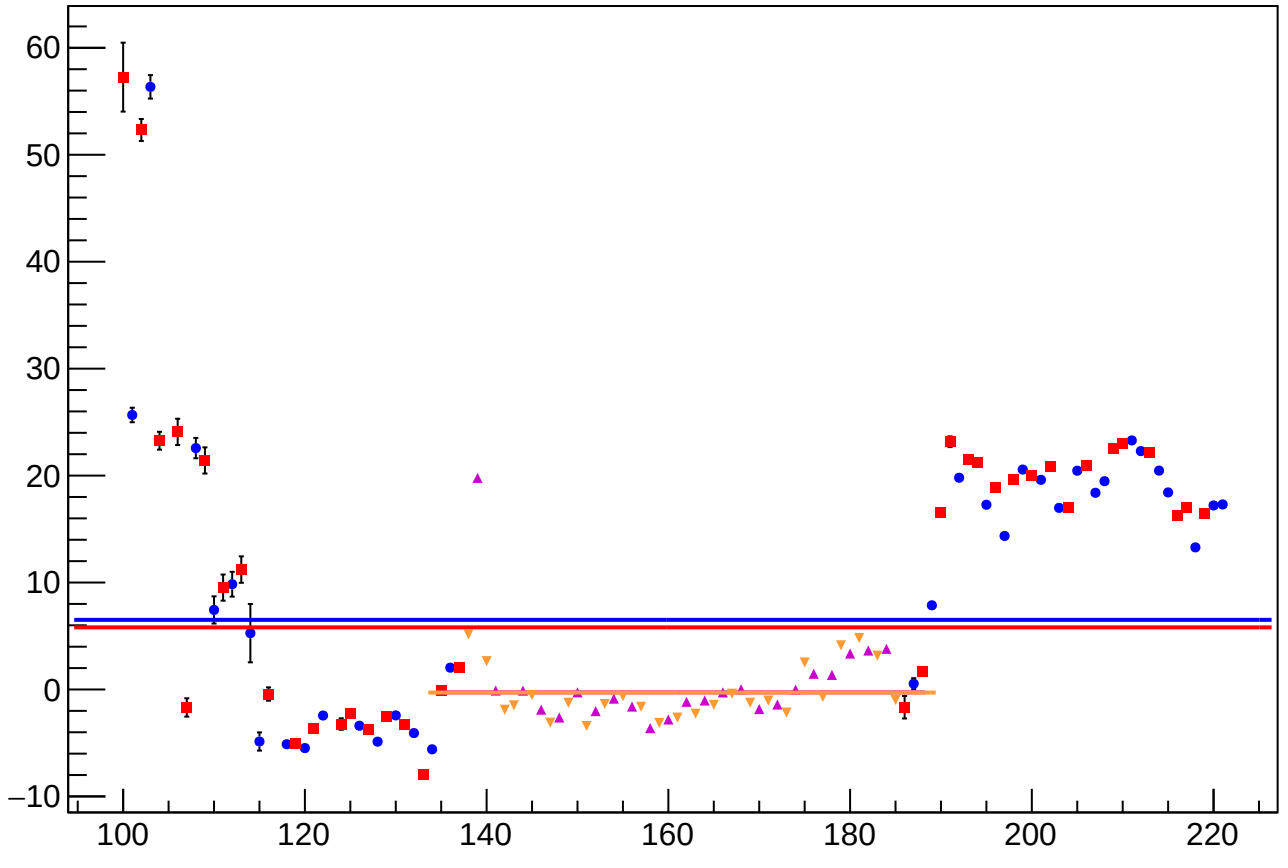
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: -0.675+/-0.030 χ^2/NDF: 9456.6/70

In: -2.376+/-0.024 χ^2/NDF:27361.5/56

Out: -2.330+/-0.023 χ^2/NDF:34273.8/61

All: -2.353+/-0.017 χ^2/NDF: 61637.2/118



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: 5.807+/-0.052 χ^2/NDF: 53764.6/36

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

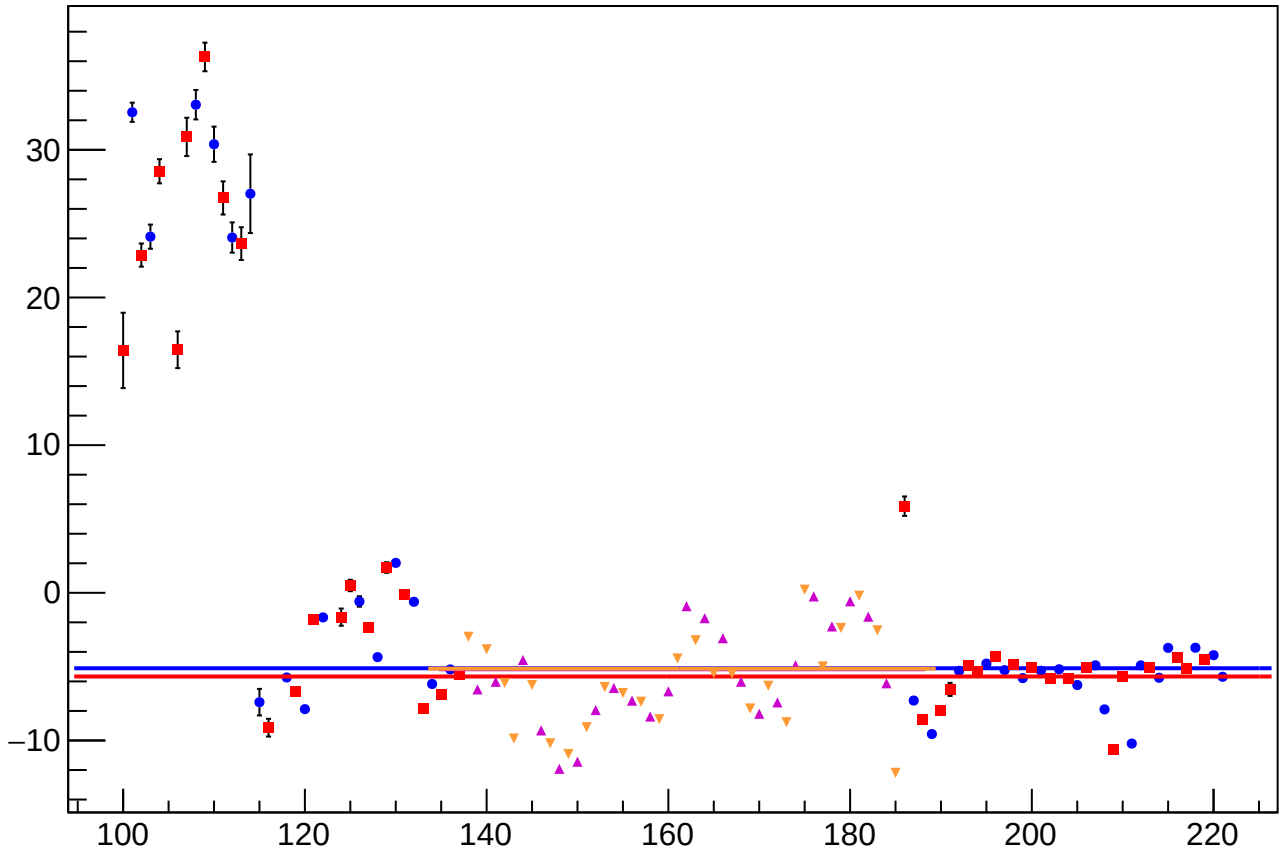
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 6.158+/-0.037 χ^2/NDF: 101174.4/70

In: 0.786+/-0.020 χ^2/NDF:74964.2/56

Out: 0.634+/-0.020 χ^2/NDF:77778.7/61

All: 0.709+/-0.014 χ^2/NDF: 152771.0/118



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: -5.667+/-0.043 χ^2/NDF: 11574.2/36

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

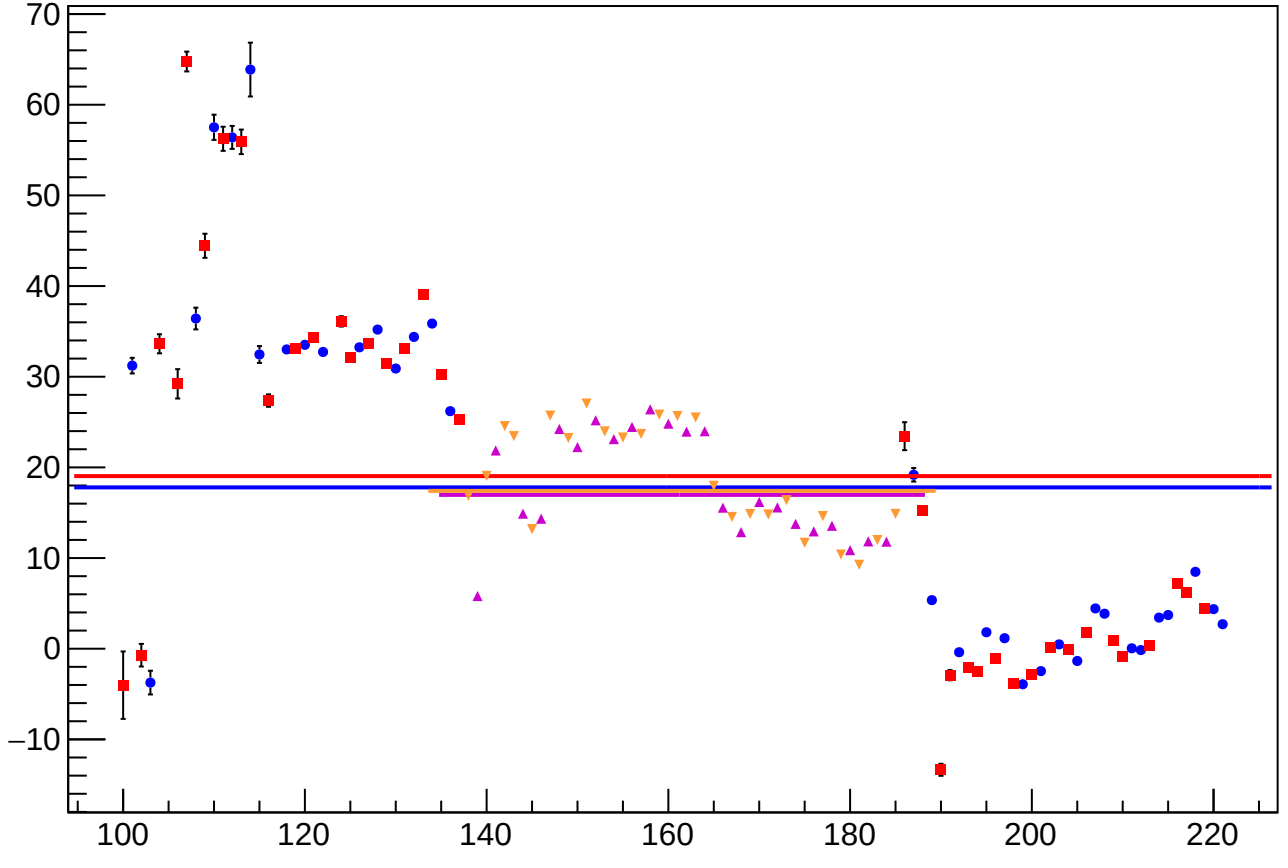
Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

Right: -5.389+/-0.030 χ^2/NDF: 22487.7/70

In: -5.157+/-0.024 χ^2/NDF:24795.1/56

Out: -5.294+/-0.023 χ^2/NDF:26306.9/61

All: -5.226+/-0.017 χ^2/NDF: 51119.0/118



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: 19.038+/-0.060 χ^2/NDF: 79896.0/36

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

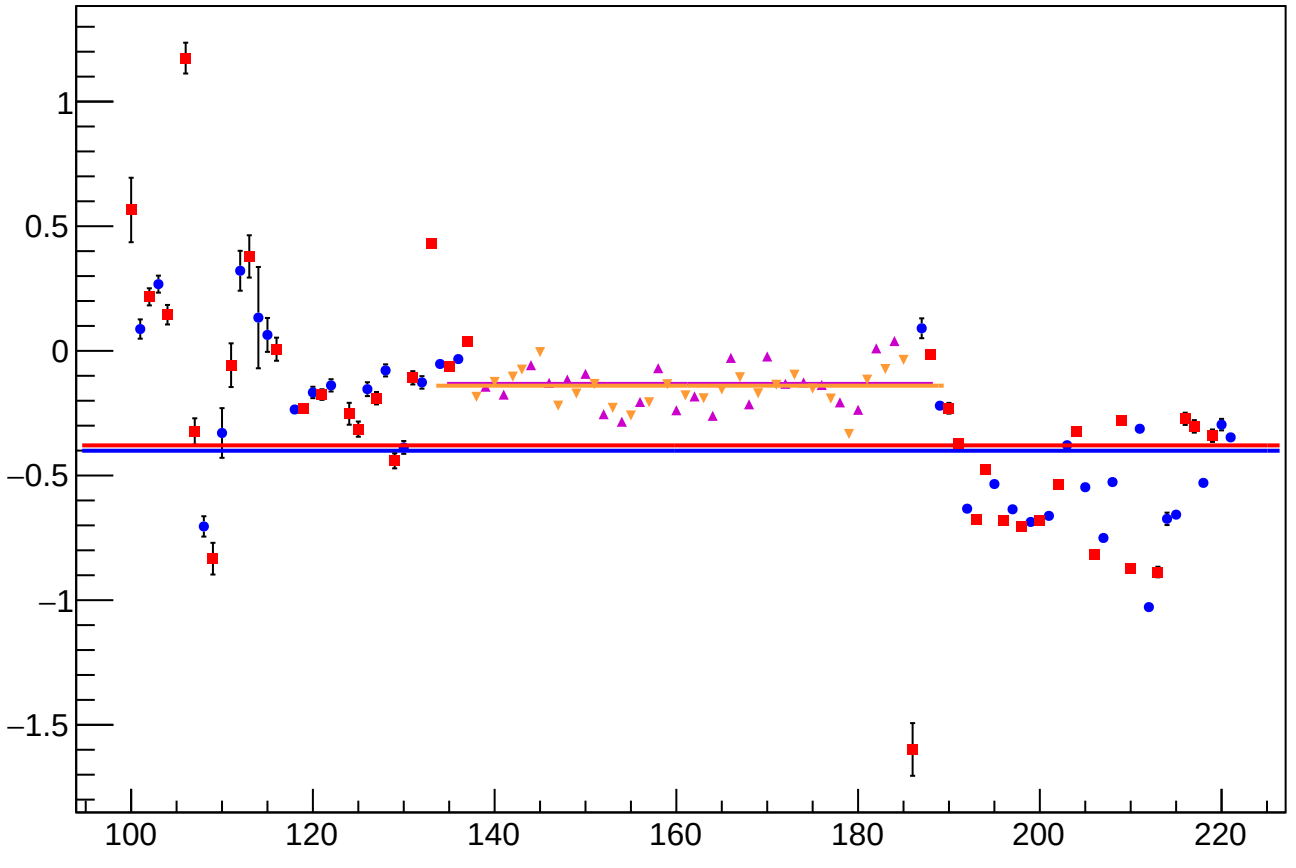
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 18.406+/-0.042 χ^2/NDF: 149705.6/70

In: 17.093+/-0.023 χ^2/NDF:109696.0/56

Out: 17.642+/-0.023 χ^2/NDF:131162.6/61

All: 17.372+/-0.016 χ^2/NDF: 241147.6/118



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: -0.379+/-0.003 χ^2/NDF: 14201.1/36

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

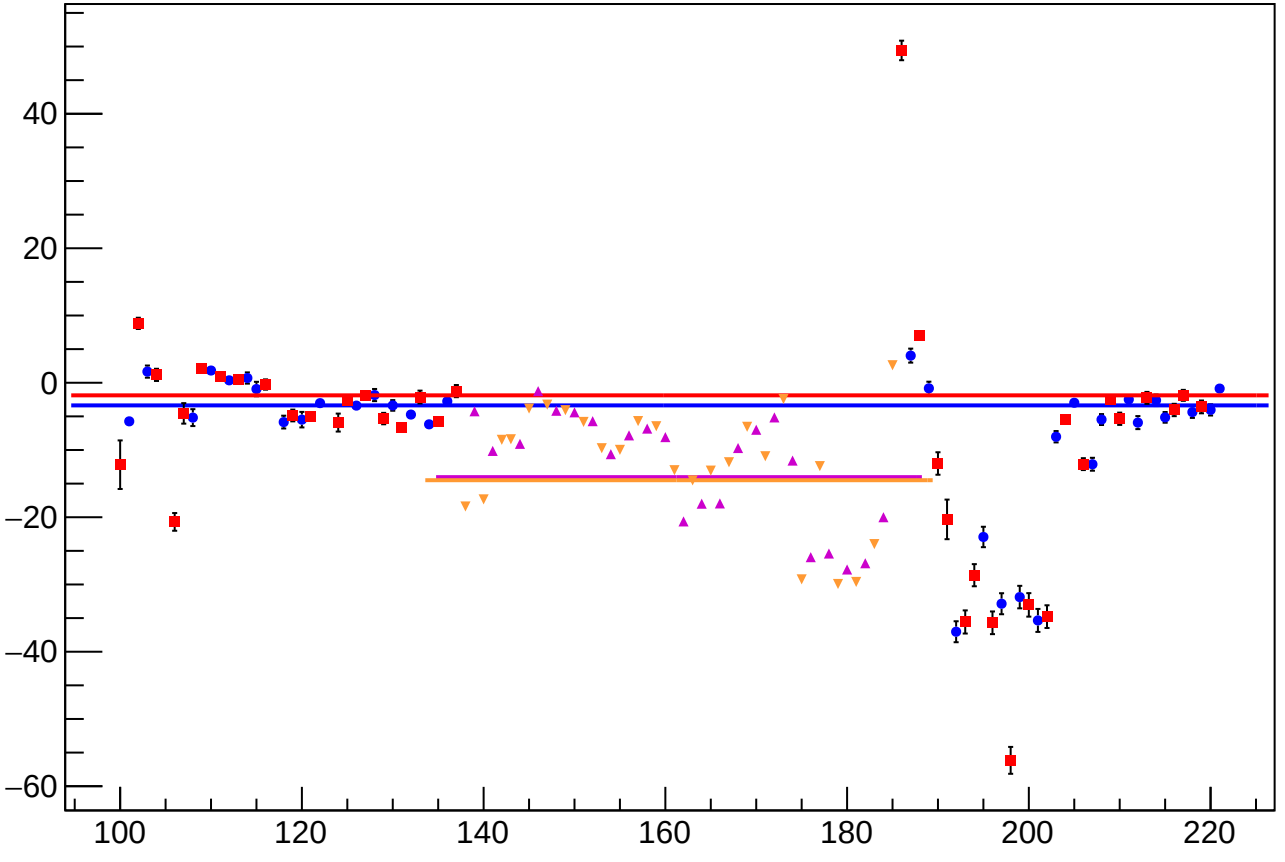
Right: -0.390+/-0.002 χ^2/NDF: 24168.4/70

In: -0.170+/-0.001 χ^2/NDF:23564.0/56

Out: -0.172+/-0.001 χ^2/NDF:24822.3/61

All: -0.171+/-0.001 χ^2/NDF: 48388.8/118

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: -1.873+/-0.125 χ^2/NDF: 5058.9/36

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

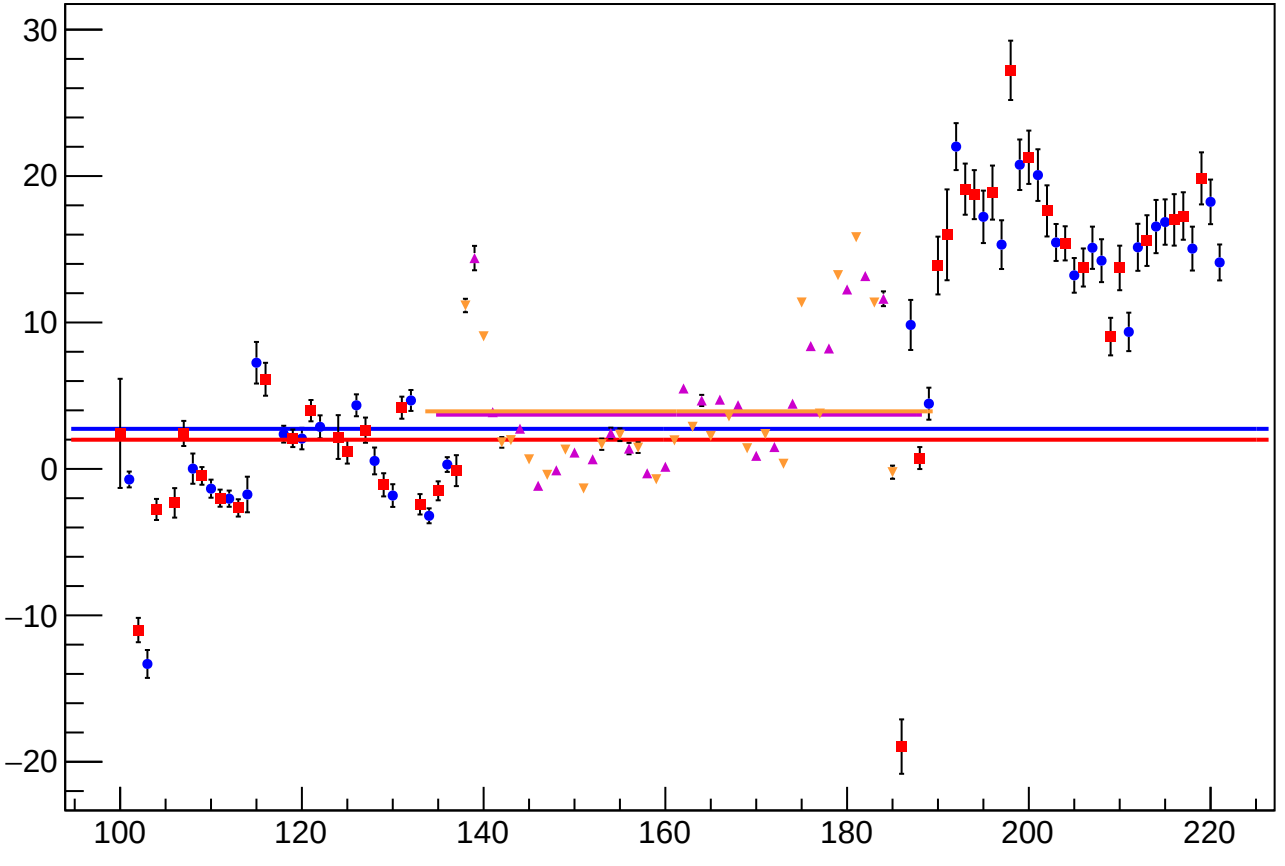
Right: -2.607+/-0.090 χ^2/NDF: 7364.0/70

In: -11.205+/-0.066 χ^2/NDF:20841.1/56

Out: -11.188+/-0.064 χ^2/NDF:29756.5/61

All: -11.196+/-0.046 χ^2/NDF: 50597.6/118

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: 1.993+/-0.158 χ^2/NDF: 1993.7/36

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

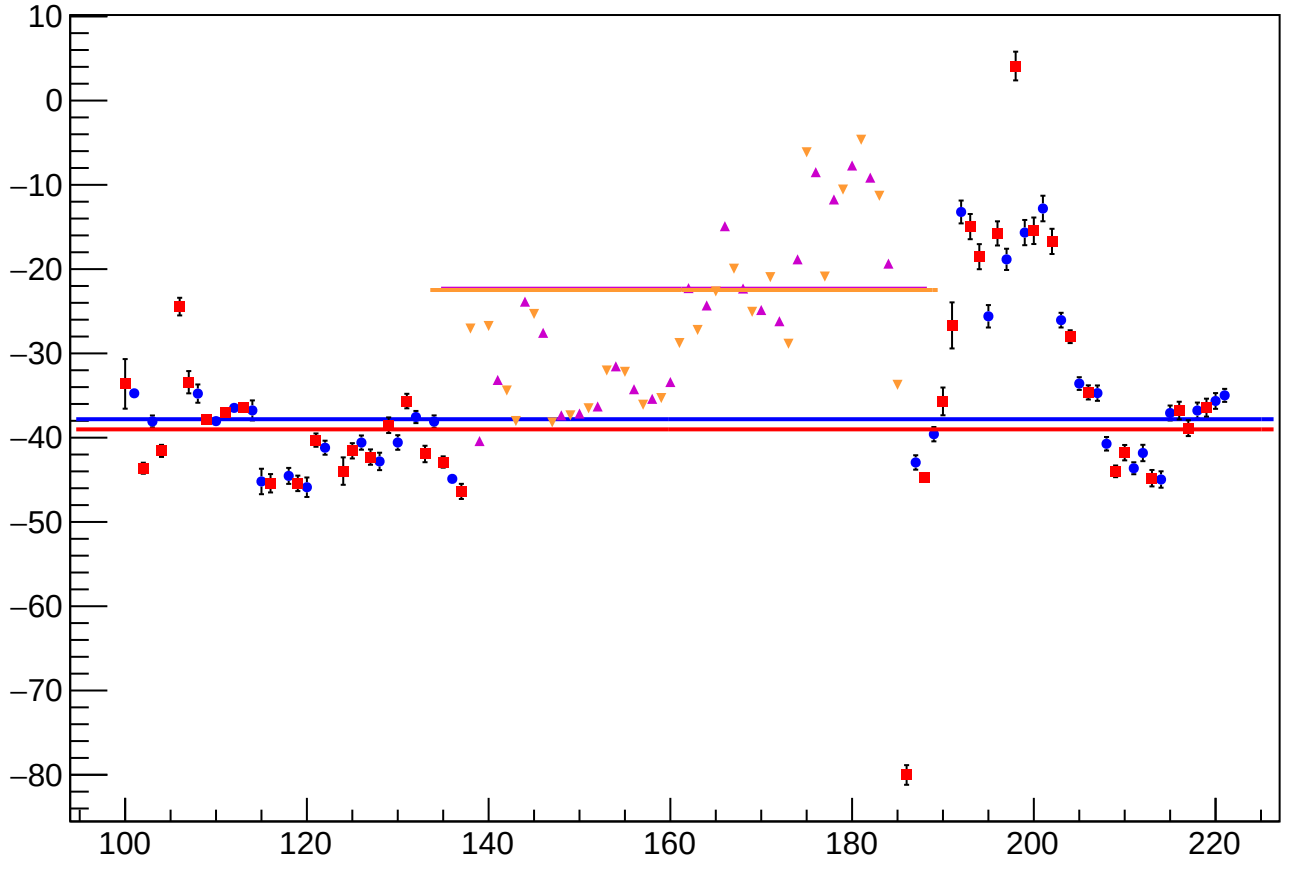
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: 2.374+/-0.111 χ^2/NDF: 3981.5/70

In: 3.579+/-0.055 χ^2/NDF:6799.2/56

Out: 3.703+/-0.054 χ^2/NDF:9104.9/61

All: 3.643+/-0.039 χ^2/NDF: 15906.7/118



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: -39.015+/-0.141 χ^2/NDF: 4145.8/36

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

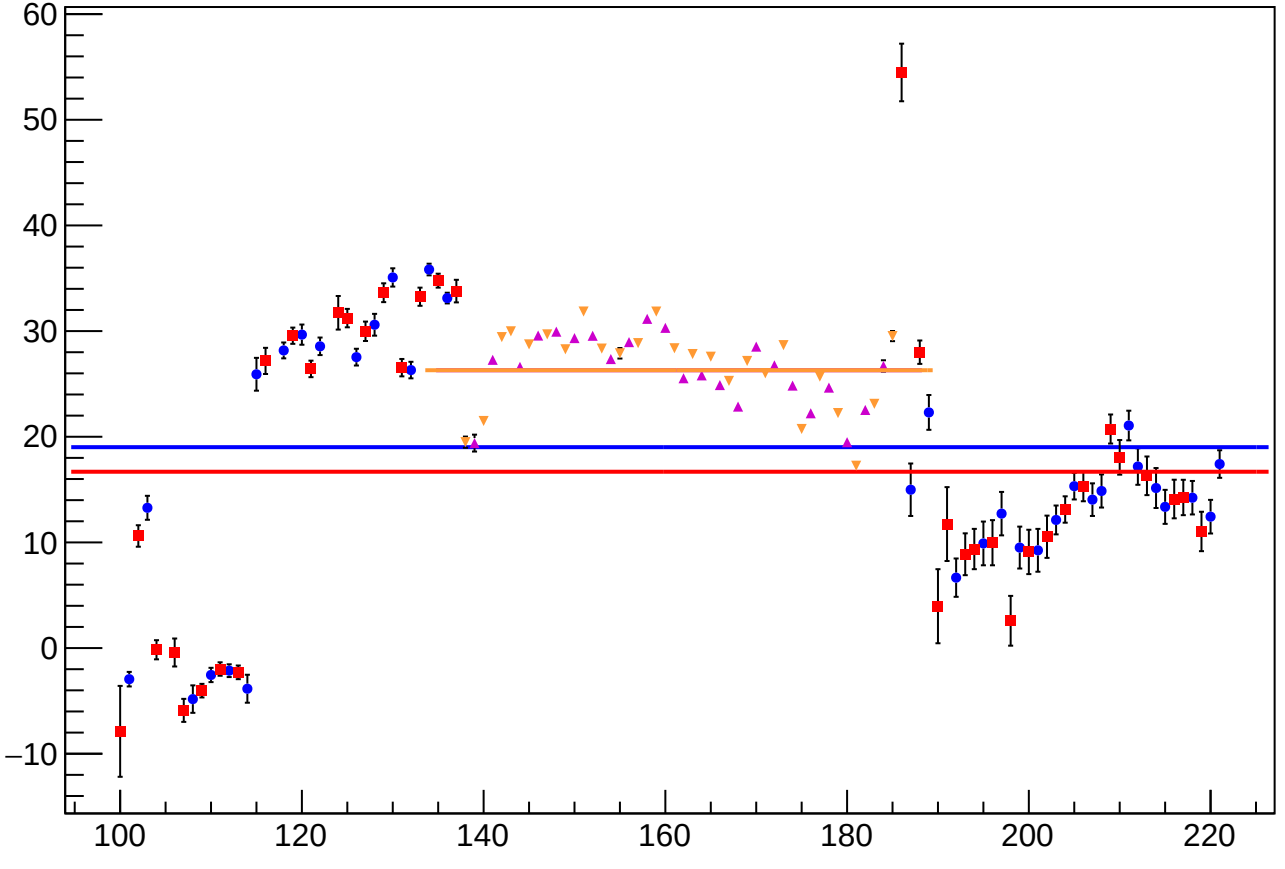
Right: -38.405+/-0.099 χ^2/NDF: 6245.9/70

In: -25.902+/-0.067 χ^2/NDF:28651.9/56

Out: -26.102+/-0.066 χ^2/NDF:35280.4/61

All: -26.004+/-0.047 χ^2/NDF: 63936.9/118

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: 16.689+/-0.180 χ^2/NDF: 7181.6/36

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

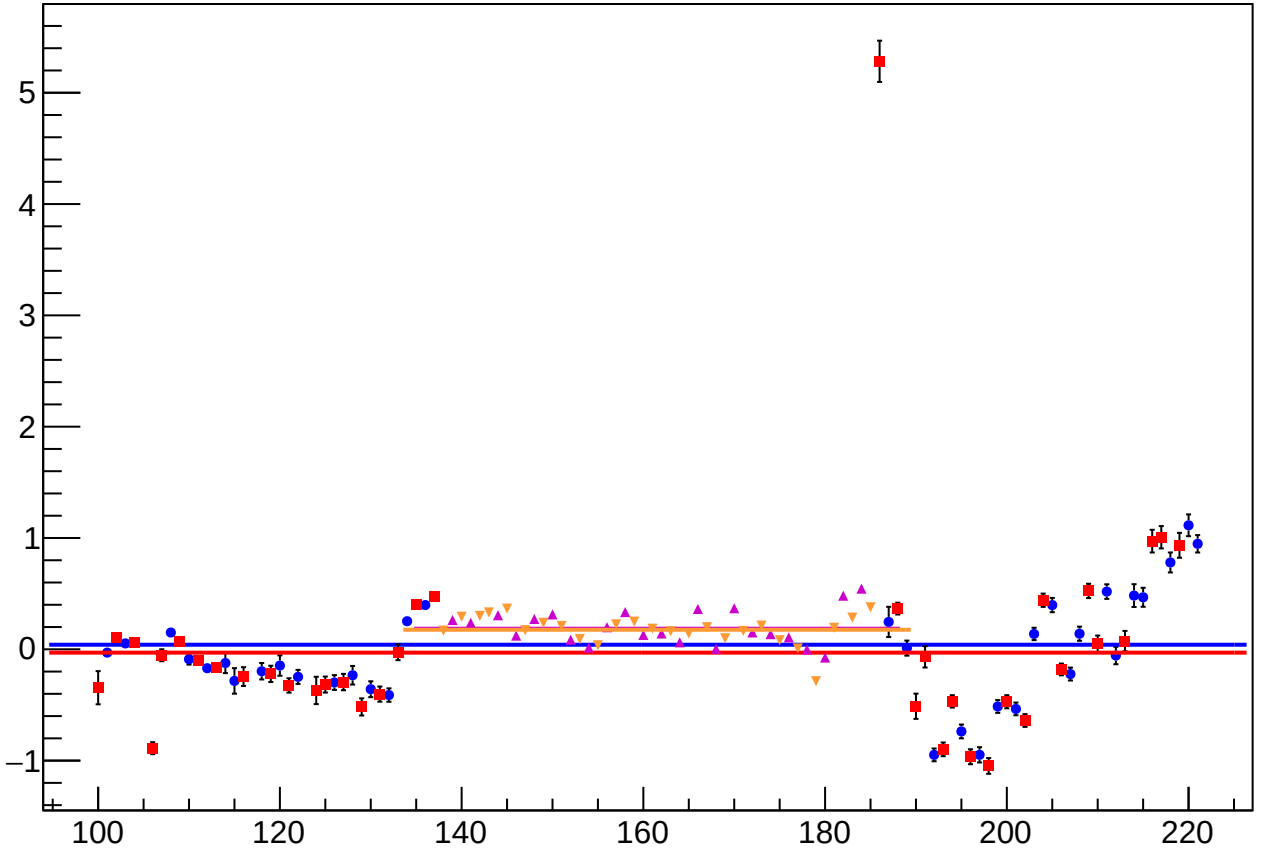
Right: 17.891+/-0.125 χ^2/NDF: 14212.8/70

In: 25.361+/-0.062 χ^2/NDF:10657.5/56

Out: 25.184+/-0.061 χ^2/NDF:13011.0/61

All: 25.271+/-0.044 χ^2/NDF: 23672.6/118

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: -0.030+/-0.009 χ^2/NDF: 3000.7/36

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

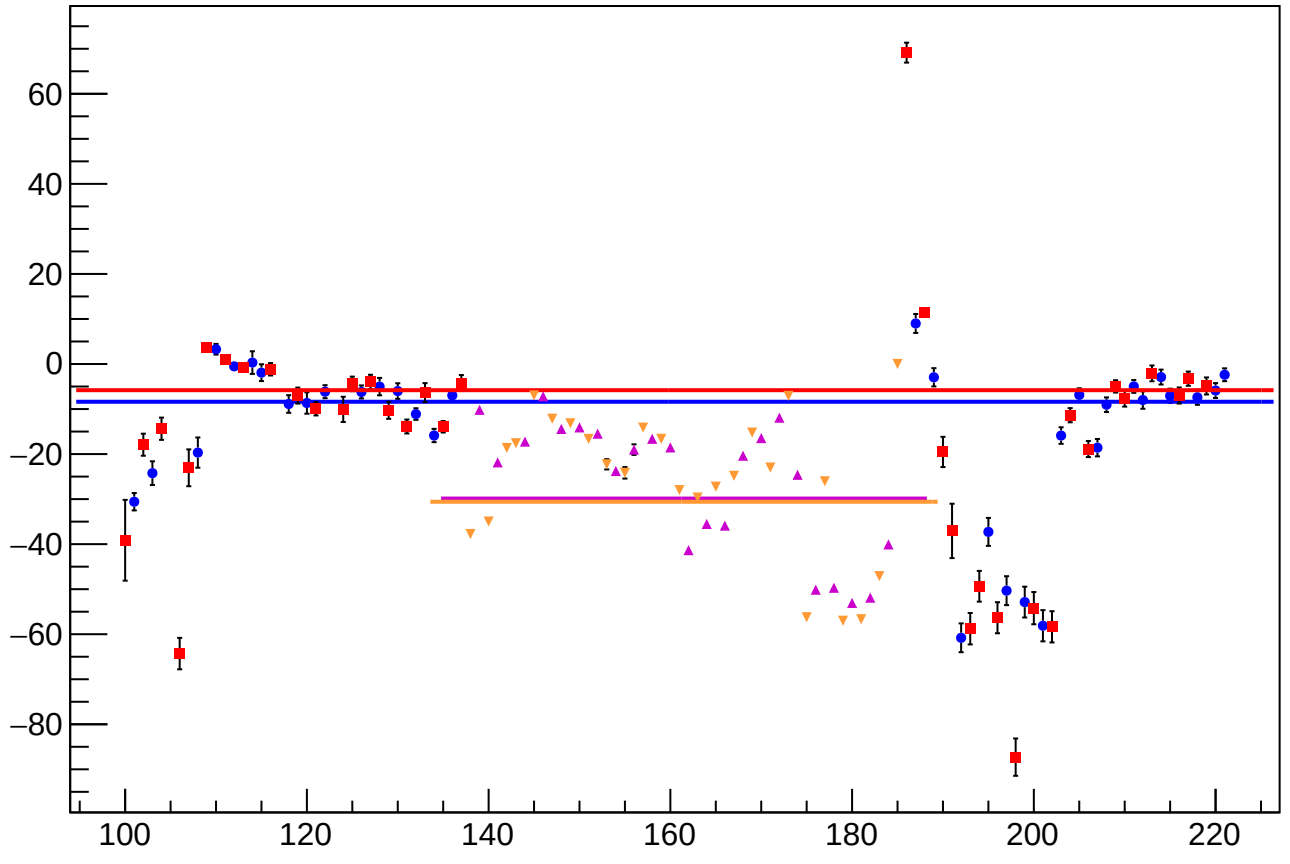
Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

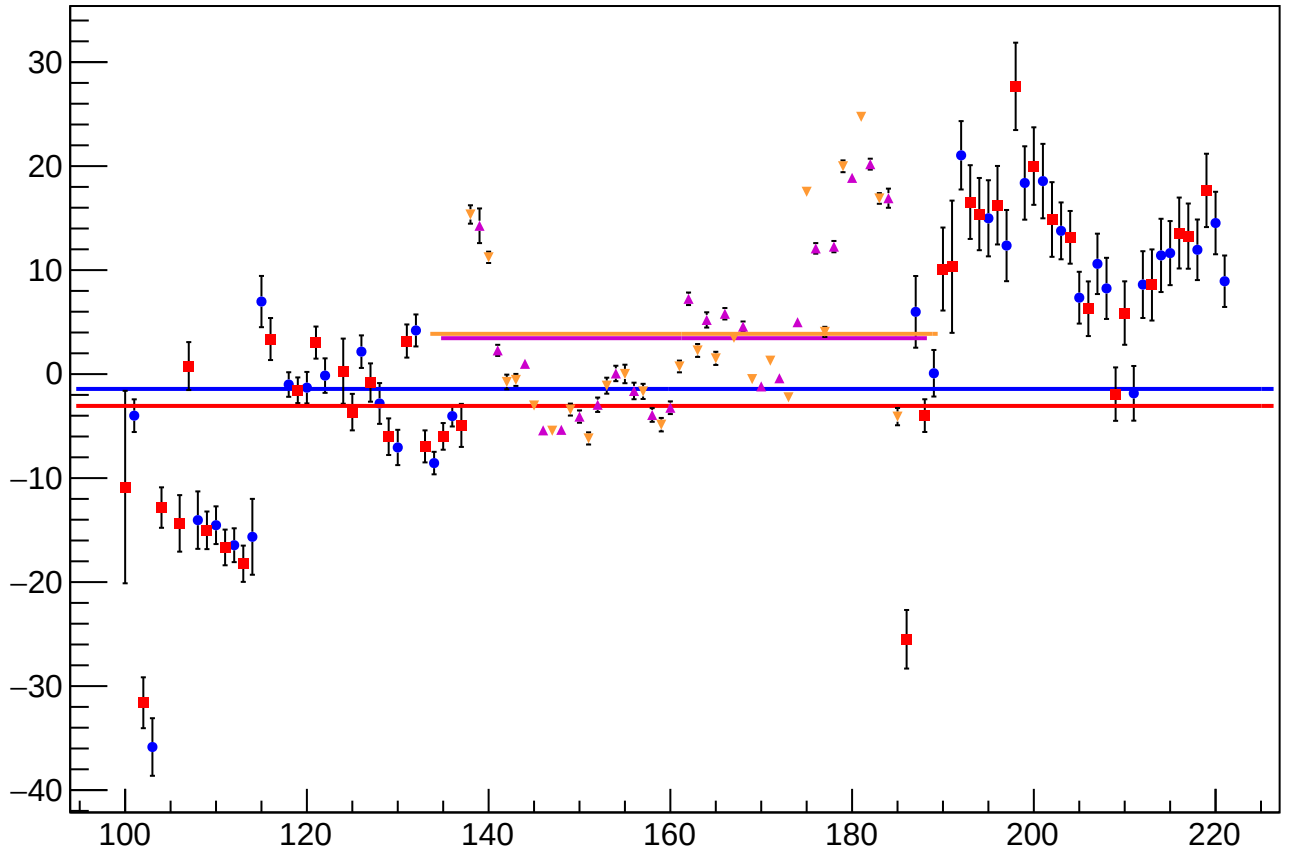
Right: 0.007+/-0.006 χ^2/NDF: 4955.2/70

In: 0.170+/-0.003 χ^2/NDF:4703.3/56

Out: 0.157+/-0.003 χ^2/NDF:5392.3/61

All: 0.163+/-0.002 χ^2/NDF: 10107.1/118


reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
220
Right In: -8.380+/-0.287 χ²/NDF: 1466.1/33
Left Out: -30.587+/-0.142 χ²/NDF:16046.0/24
Right Out: -5.813+/-0.291 χ²/NDF: 3515.6/36
Left In: -29.878+/-0.146 χ²/NDF:12034.7/22
Left: -30.242+/-0.102 χ²/NDF: 28092.8/47
Right: -7.116+/-0.204 χ²/NDF: 5021.1/70
In: -25.439+/-0.130 χ²/NDF:17964.3/56
Out: -25.816+/-0.128 χ²/NDF:25412.9/61
All: -25.631+/-0.091 χ²/NDF: 43381.5/118



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: -3.059+/-0.360 χ^2/NDF: 865.1/36

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

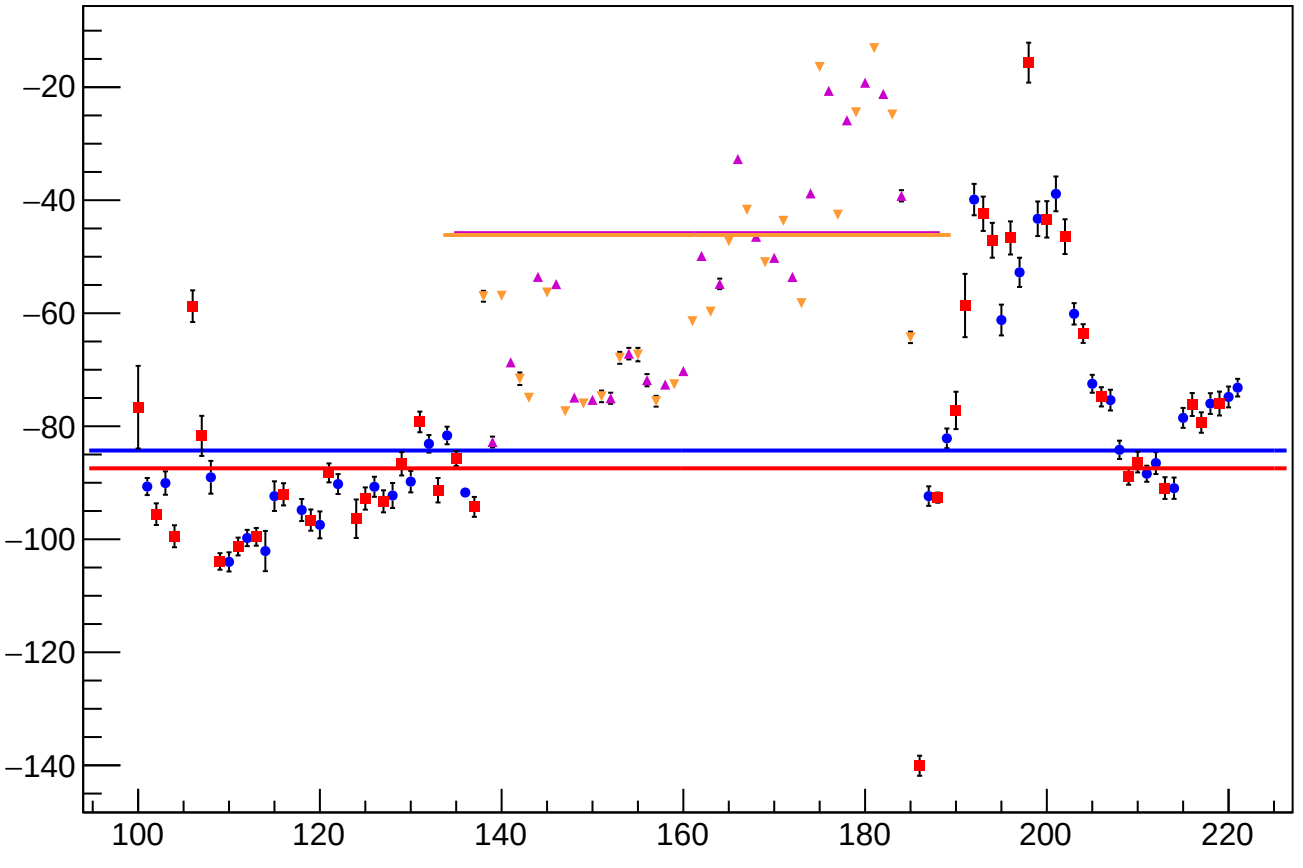
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -2.206+/-0.249 χ^2/NDF: 1629.5/70

In: 2.973+/-0.108 χ^2/NDF:5628.5/56

Out: 3.268+/-0.106 χ^2/NDF:7746.3/61

All: 3.123+/-0.076 χ^2/NDF: 13378.5/118



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: -87.445+/-0.316 χ^2/NDF: 3179.6/36

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

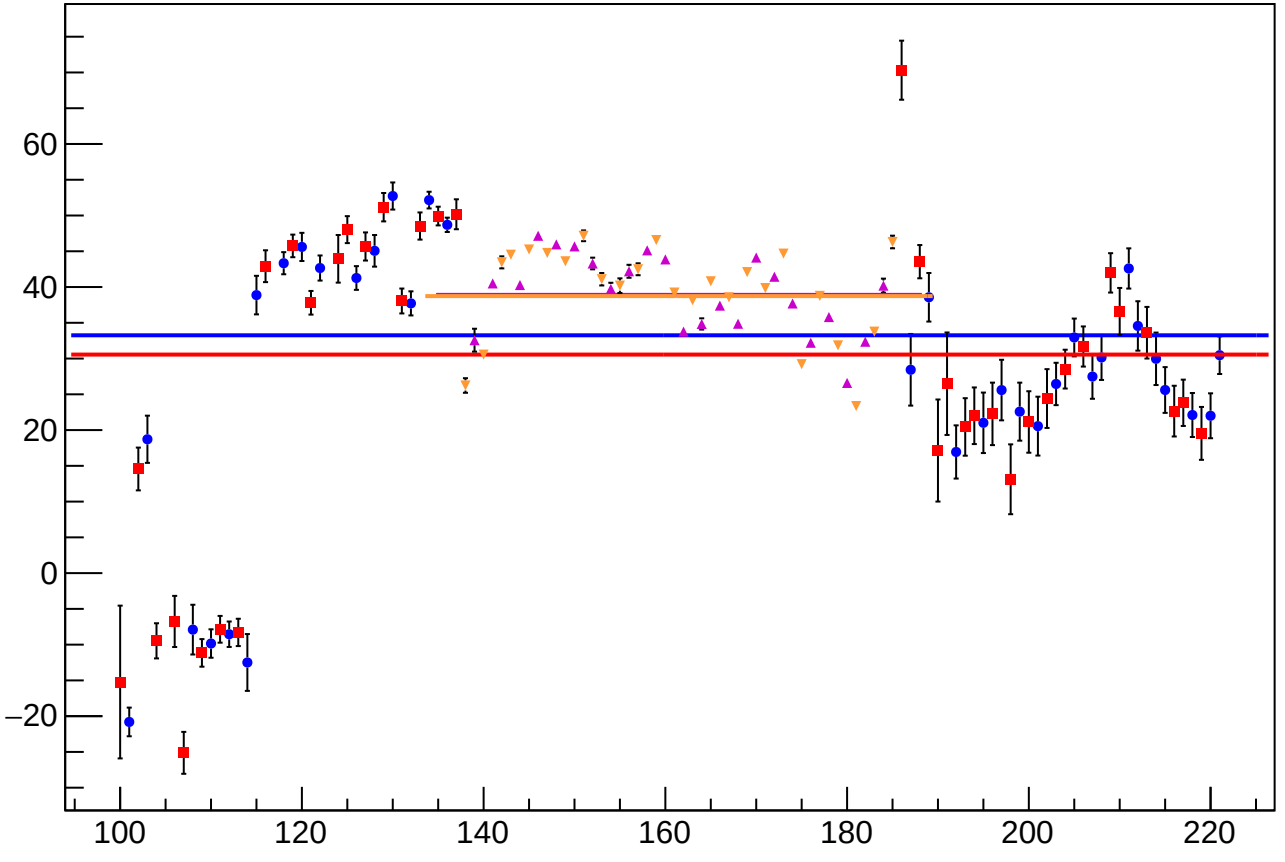
Right: -85.830+/-0.220 χ^2/NDF: 4994.7/70

In: -52.906+/-0.132 χ^2/NDF:32448.2/56

Out: -53.141+/-0.130 χ^2/NDF:38862.4/61

All: -53.025+/-0.093 χ^2/NDF: 71312.2/118

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: 30.556+/-0.408 χ^2/NDF: 3114.0/36

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

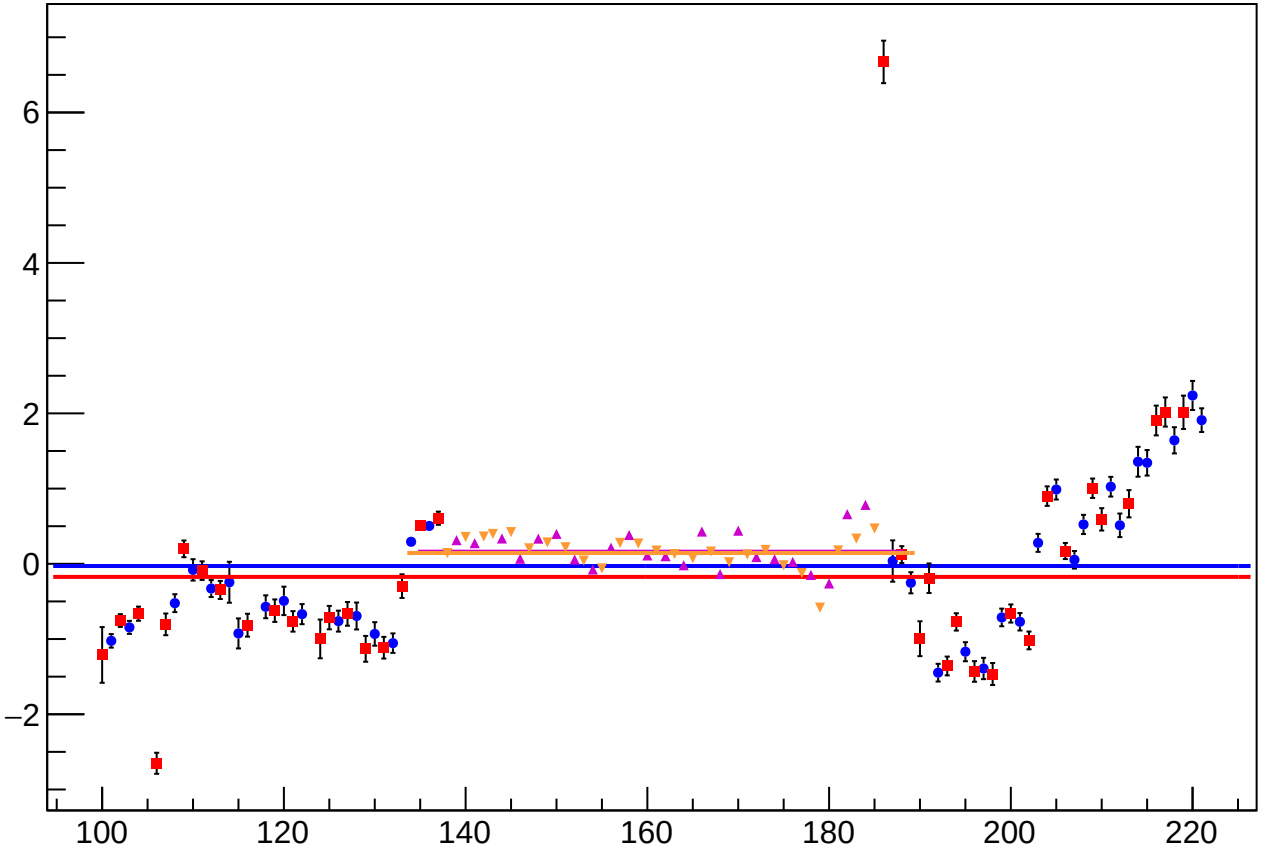
Right: 31.981+/-0.280 χ^2/NDF: 6062.5/70

In: 38.346+/-0.121 χ^2/NDF:5091.5/56

Out: 38.033+/-0.119 χ^2/NDF:6263.1/61

All: 38.187+/-0.085 χ^2/NDF: 11357.9/118

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: -0.174+/-0.021 χ^2/NDF: 2341.6/36

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

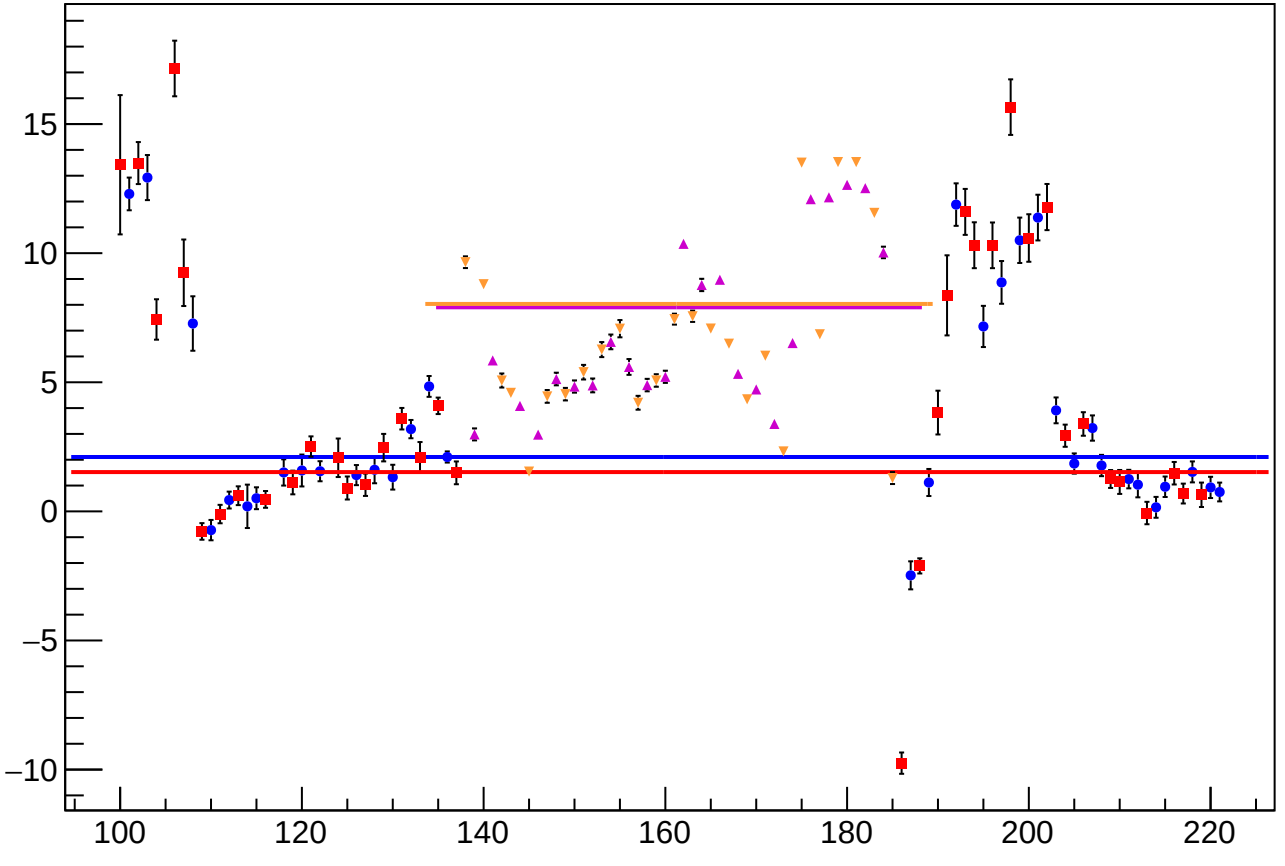
Right: -0.097+/-0.014 χ^2/NDF: 4059.5/70

In: 0.146+/-0.005 χ^2/NDF:3699.5/56

Out: 0.122+/-0.005 χ^2/NDF:4002.1/61

All: 0.134+/-0.004 χ^2/NDF: 7711.3/118

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: 1.522+/-0.079 χ^2/NDF: 2435.7/36

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

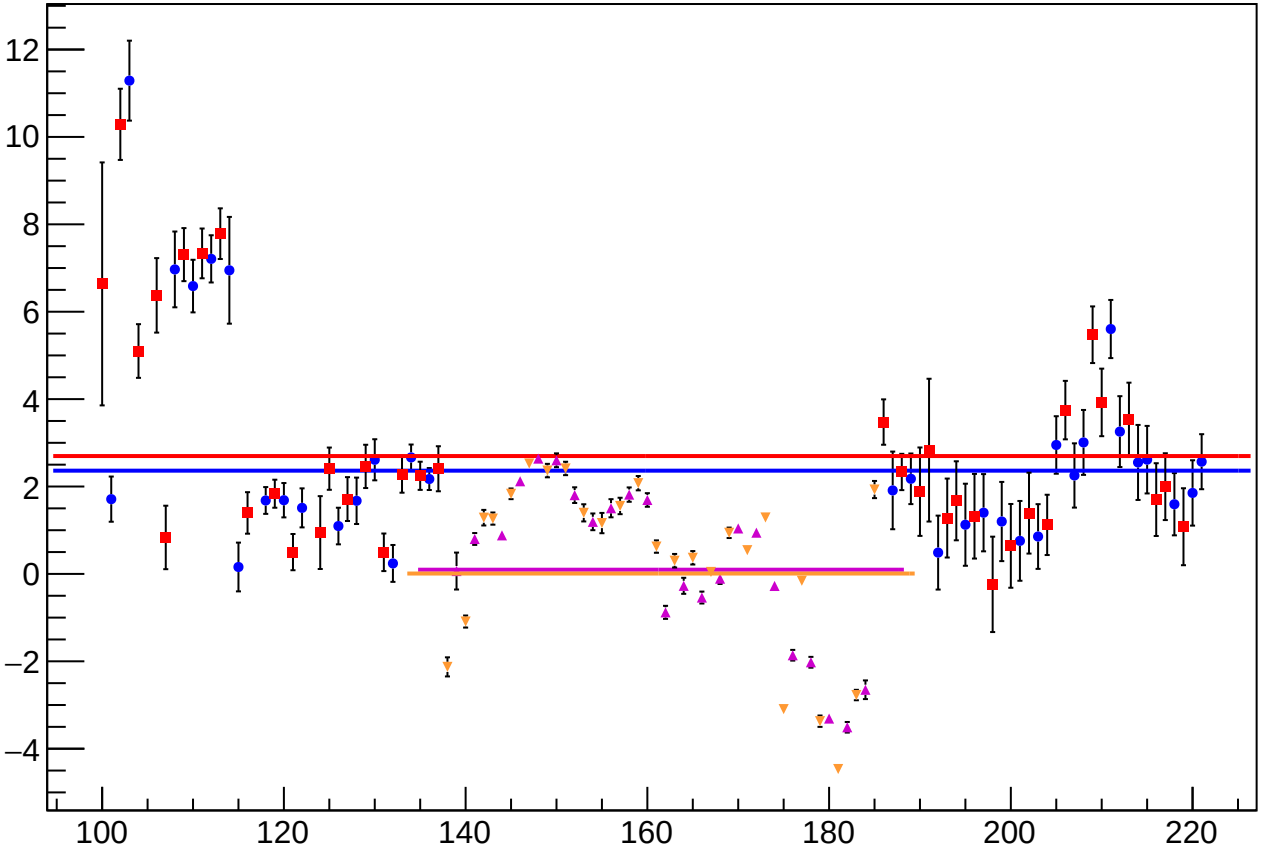
Right: 1.821+/-0.055 χ^2/NDF: 3673.2/70

In: 6.869+/-0.032 χ^2/NDF:15904.4/56

Out: 6.973+/-0.032 χ^2/NDF:22087.4/61

All: 6.922+/-0.023 χ^2/NDF: 37997.1/118

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 2.697+/-0.097 χ^2/NDF: 469.9/36

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

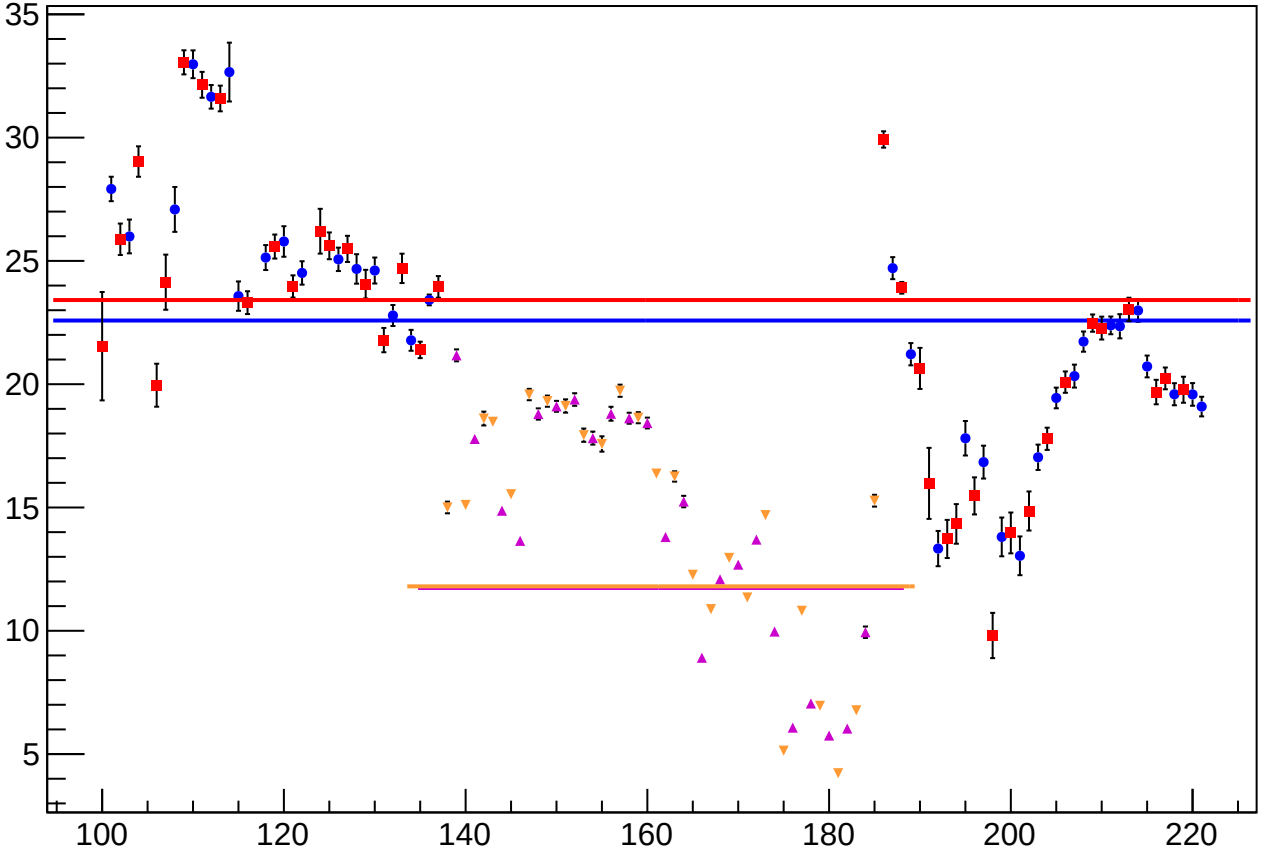
Right: 2.522+/-0.067 χ^2/NDF: 855.6/70

In: 0.288+/-0.027 χ^2/NDF:5361.0/56

Out: 0.208+/-0.026 χ^2/NDF:6941.4/61

All: 0.247+/-0.019 χ^2/NDF: 12306.9/118

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: 23.413+/-0.084 χ^2/NDF: 2819.8/36

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

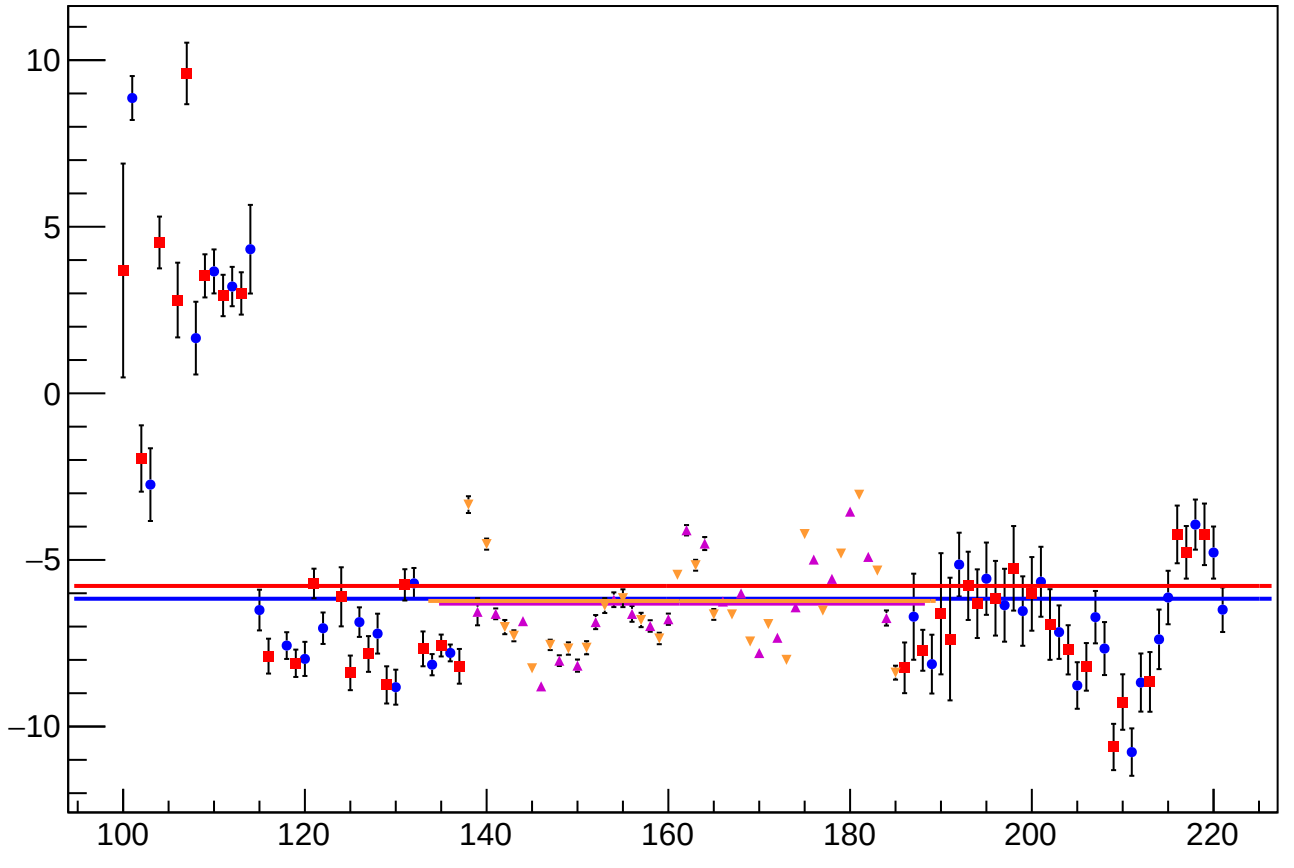
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 22.989+/-0.058 χ^2/NDF: 4926.0/70

In: 13.481+/-0.033 χ^2/NDF:34826.0/56

Out: 13.523+/-0.032 χ^2/NDF:40760.4/61

All: 13.503+/-0.023 χ^2/NDF: 75587.3/118



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: -5.781+/-0.110 χ^2/NDF: 1435.7/36

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

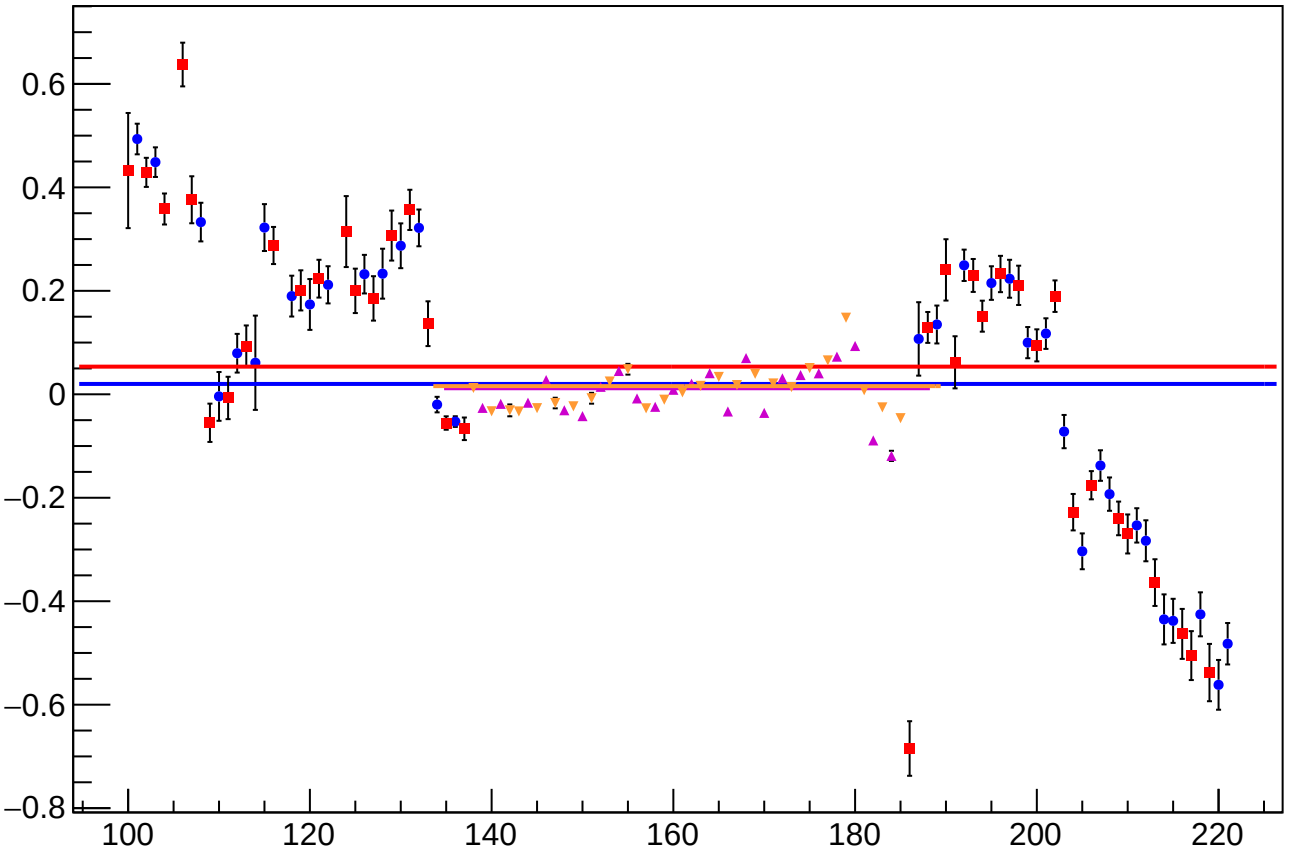
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.985+/-0.075 χ^2/NDF: 2789.8/70

In: -6.299+/-0.030 χ^2/NDF:3379.7/56

Out: -6.198+/-0.030 χ^2/NDF:3901.2/61

All: -6.248+/-0.021 χ^2/NDF: 7286.6/118



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: 0.053+/-0.006 χ^2/NDF: 1914.9/36

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

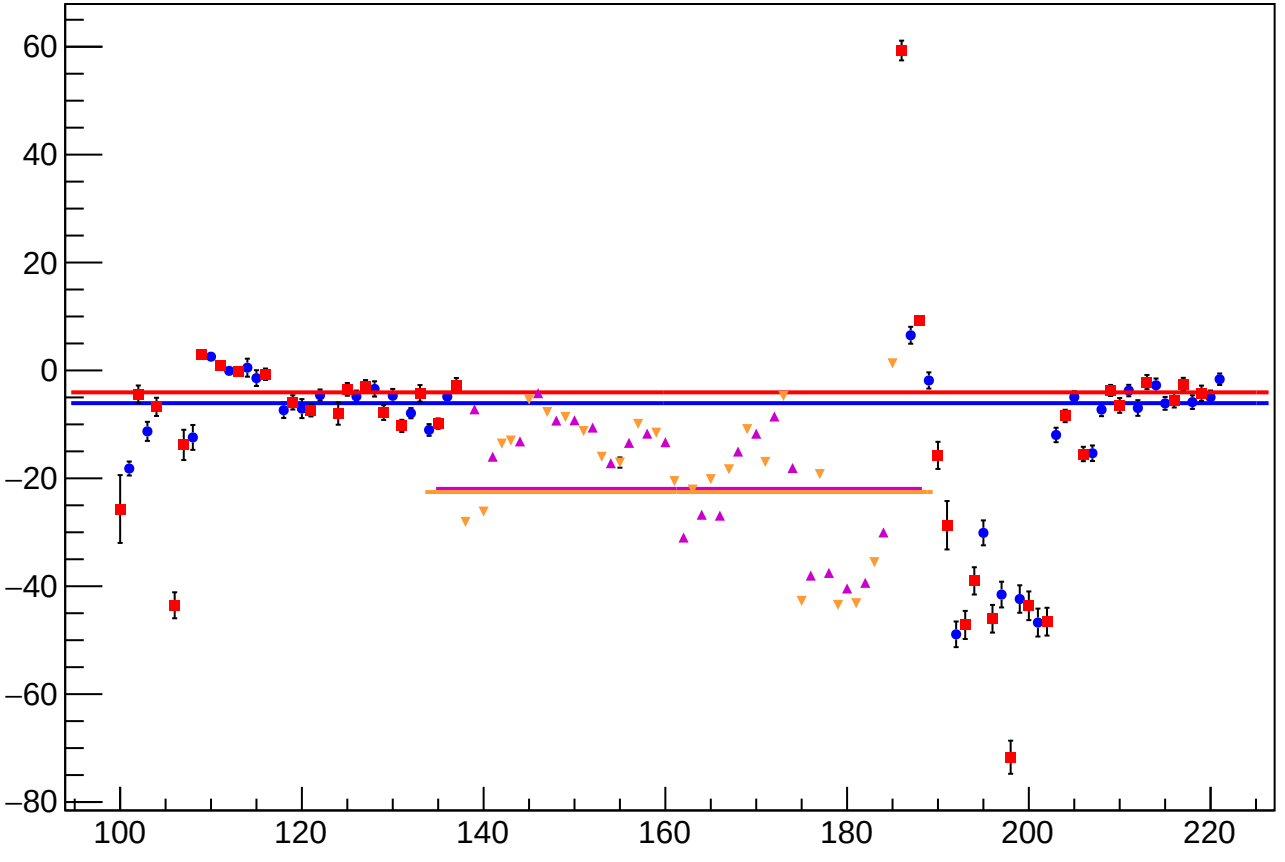
Right: 0.036+/-0.004 χ^2/NDF: 3871.8/70

In: 0.012+/-0.001 χ^2/NDF:3237.6/56

Out: 0.018+/-0.001 χ^2/NDF:2891.0/61

All: 0.015+/-0.001 χ^2/NDF: 6137.6/118

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: -4.062+/-0.210 χ^2/NDF: 3915.4/36

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

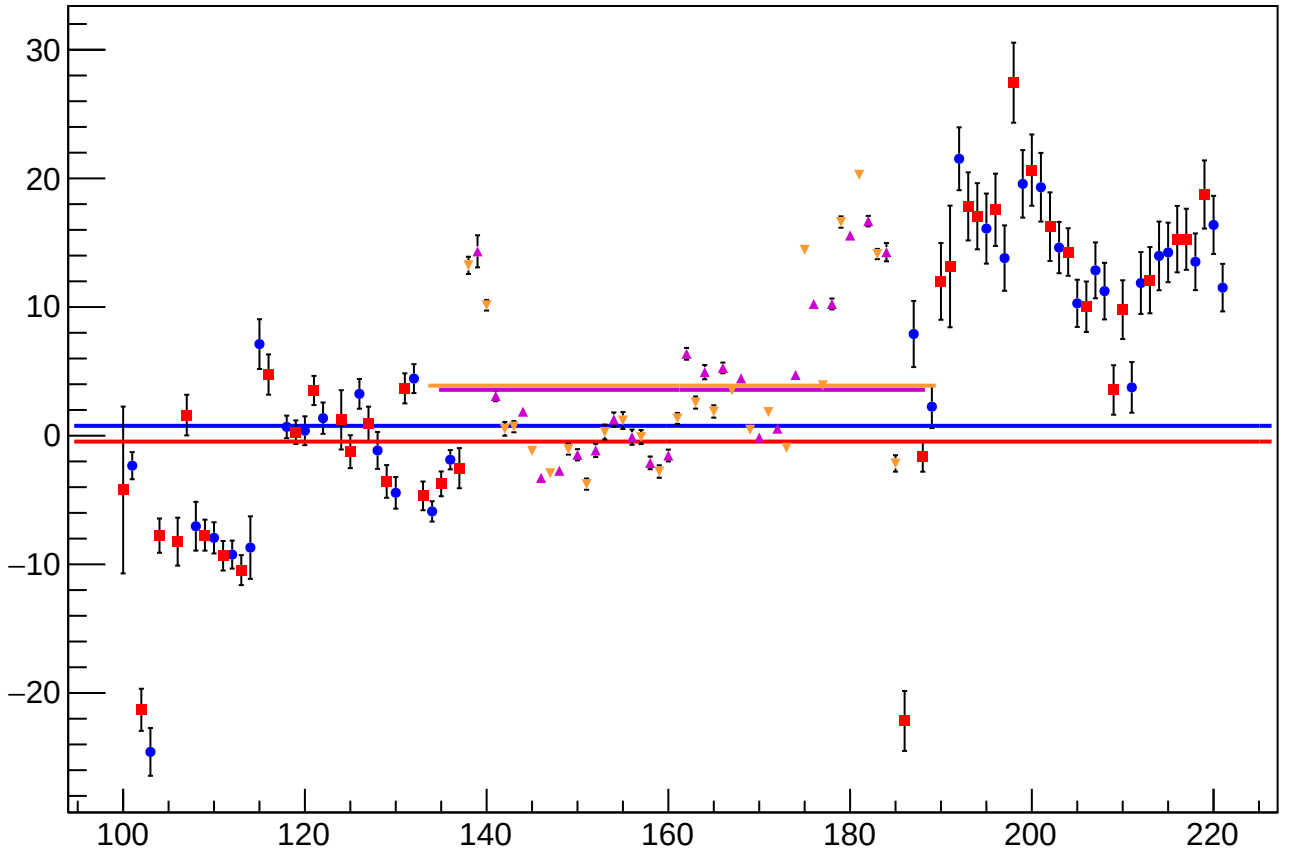
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.071+/-0.148 χ^2/NDF: 5598.2/70

In: -18.441+/-0.098 χ^2/NDF:18744.1/56

Out: -18.670+/-0.096 χ^2/NDF:26570.5/61

All: -18.558+/-0.069 χ^2/NDF: 45317.4/118



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: -0.457+/-0.261 χ^2/NDF: 1154.4/36

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

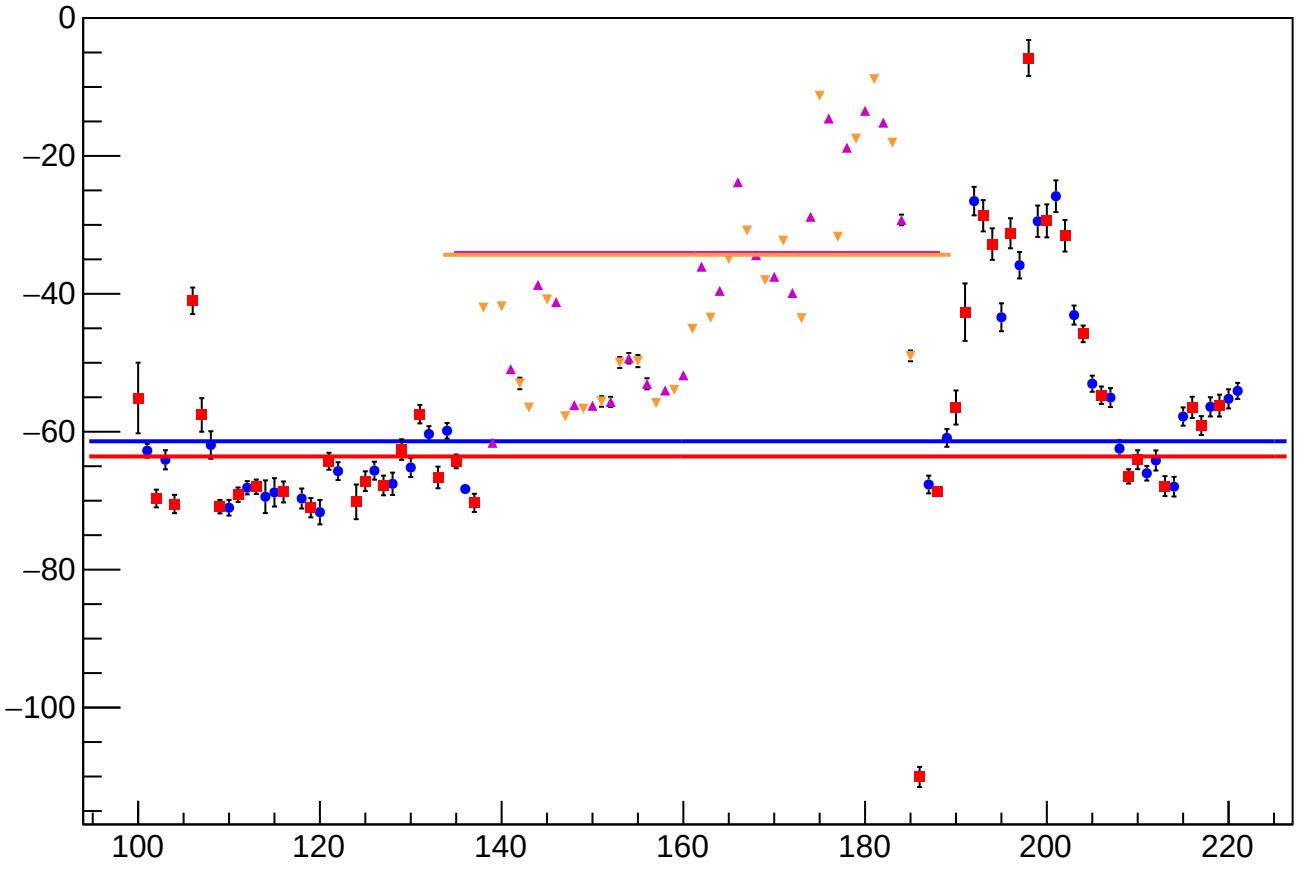
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: 0.179+/-0.181 χ^2/NDF: 2221.9/70

In: 3.269+/-0.082 χ^2/NDF:5906.9/56

Out: 3.480+/-0.080 χ^2/NDF:8130.5/61

All: 3.376+/-0.057 χ^2/NDF: 14040.7/118



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: -63.584+/-0.230 χ^2/NDF: 3371.6/36

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

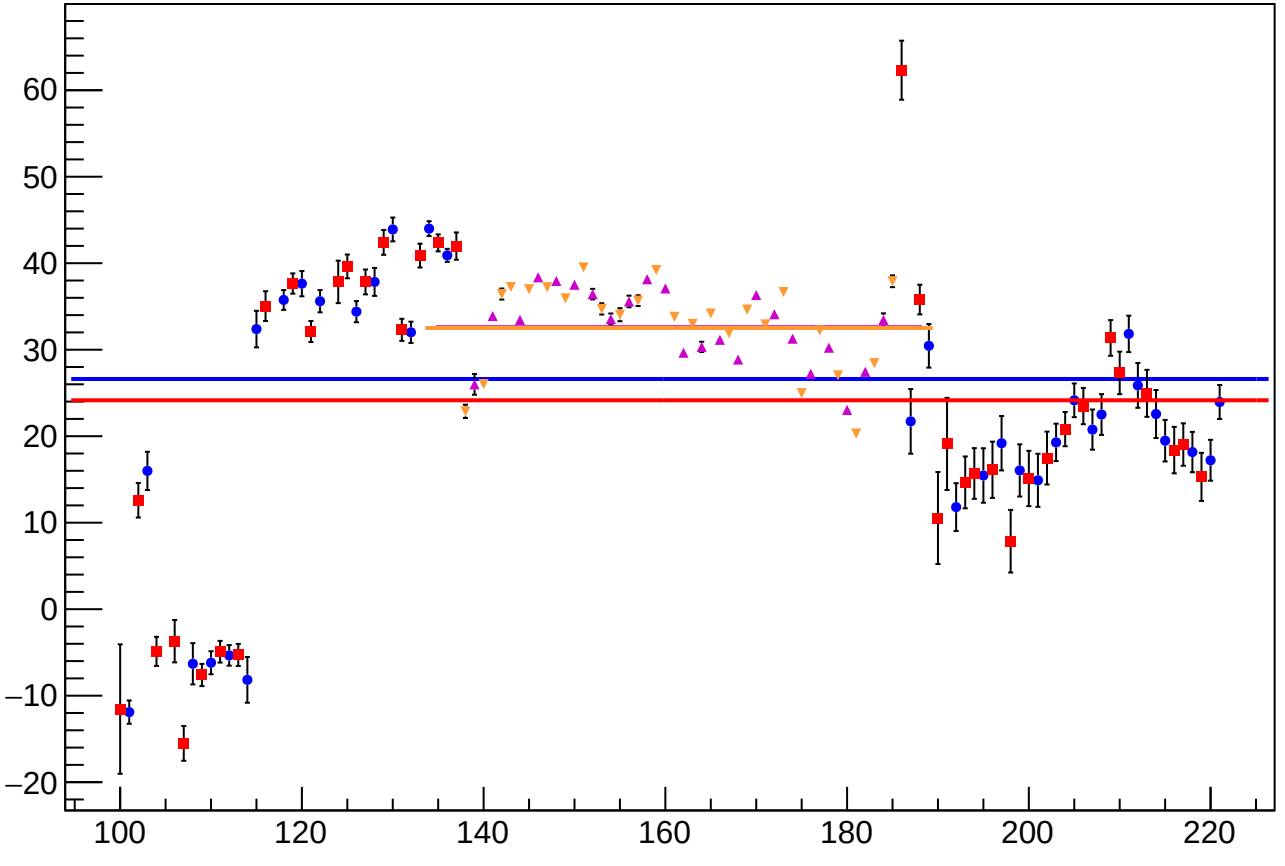
Right: -62.458+/-0.161 χ^2/NDF: 5166.2/70

In: -39.436+/-0.099 χ^2/NDF:31323.5/56

Out: -39.639+/-0.098 χ^2/NDF:37810.6/61

All: -39.539+/-0.070 χ^2/NDF: 69136.2/118

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: 24.152+/-0.296 χ^2/NDF: 4113.8/36

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

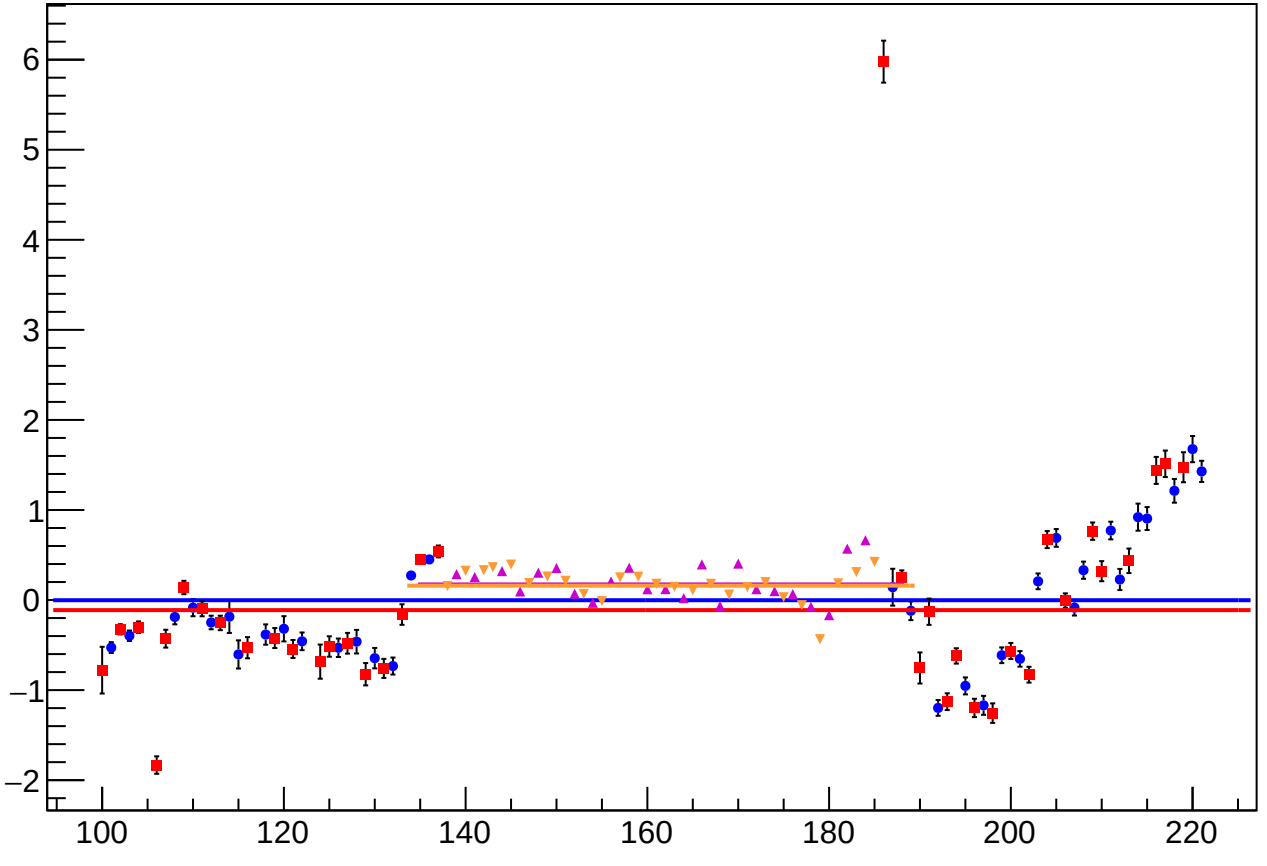
Right: 25.447+/-0.204 χ^2/NDF: 8048.0/70

In: 31.963+/-0.091 χ^2/NDF:6316.8/56

Out: 31.736+/-0.090 χ^2/NDF:7776.6/61

All: 31.848+/-0.064 χ^2/NDF: 14096.5/118

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.002+/-0.014 χ^2/NDF: 1694.8/33

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.112+/-0.015 χ^2/NDF: 2511.9/36

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

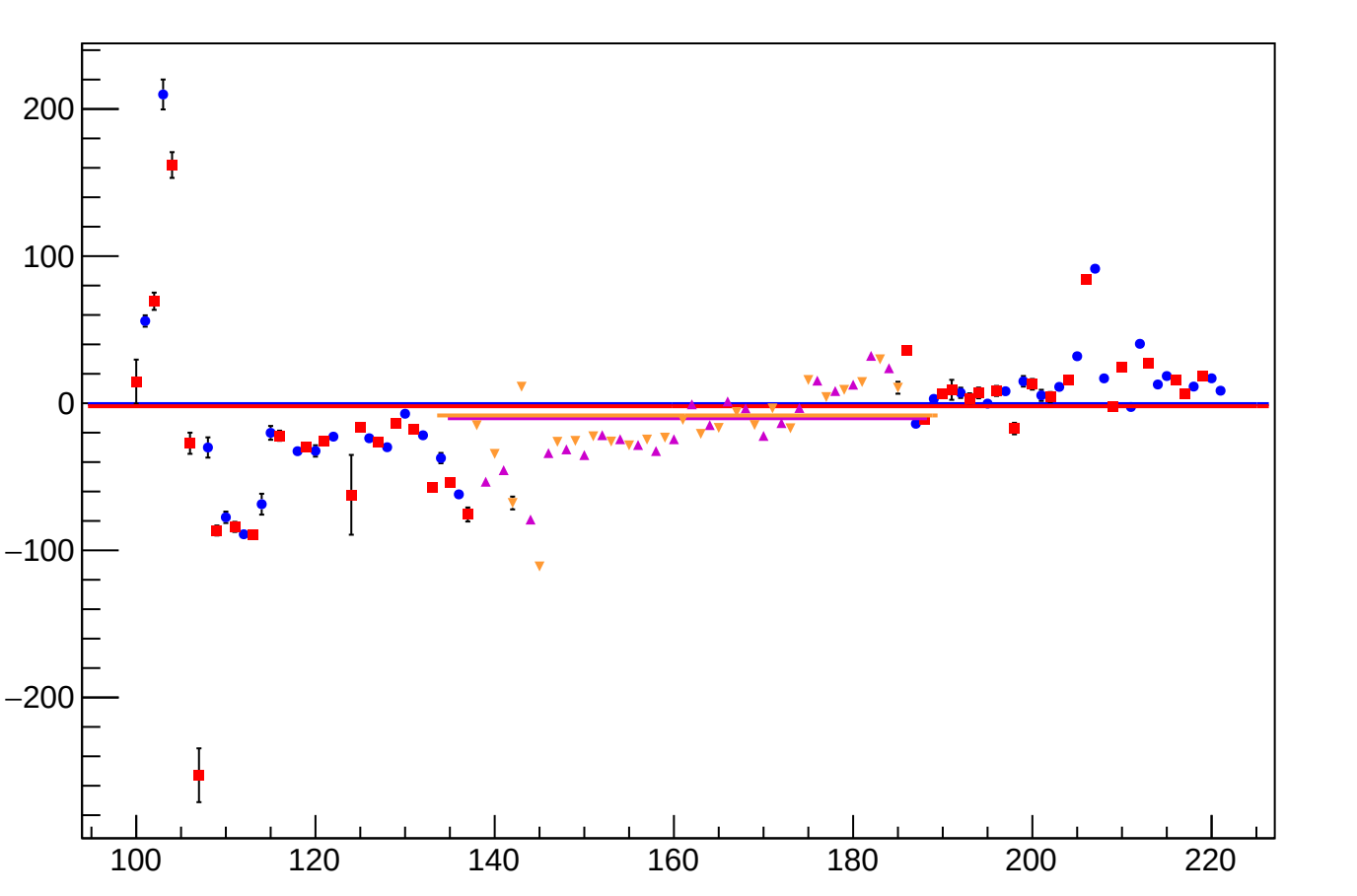
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.053+/-0.010 χ^2/NDF: 4234.9/70

In: 0.158+/-0.004 χ^2/NDF:3964.1/56

Out: 0.140+/-0.004 χ^2/NDF:4424.8/61

All: 0.149+/-0.003 χ^2/NDF: 8399.0/118



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: -2.040+/-0.467 χ^2/NDF: 6023.0/36

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

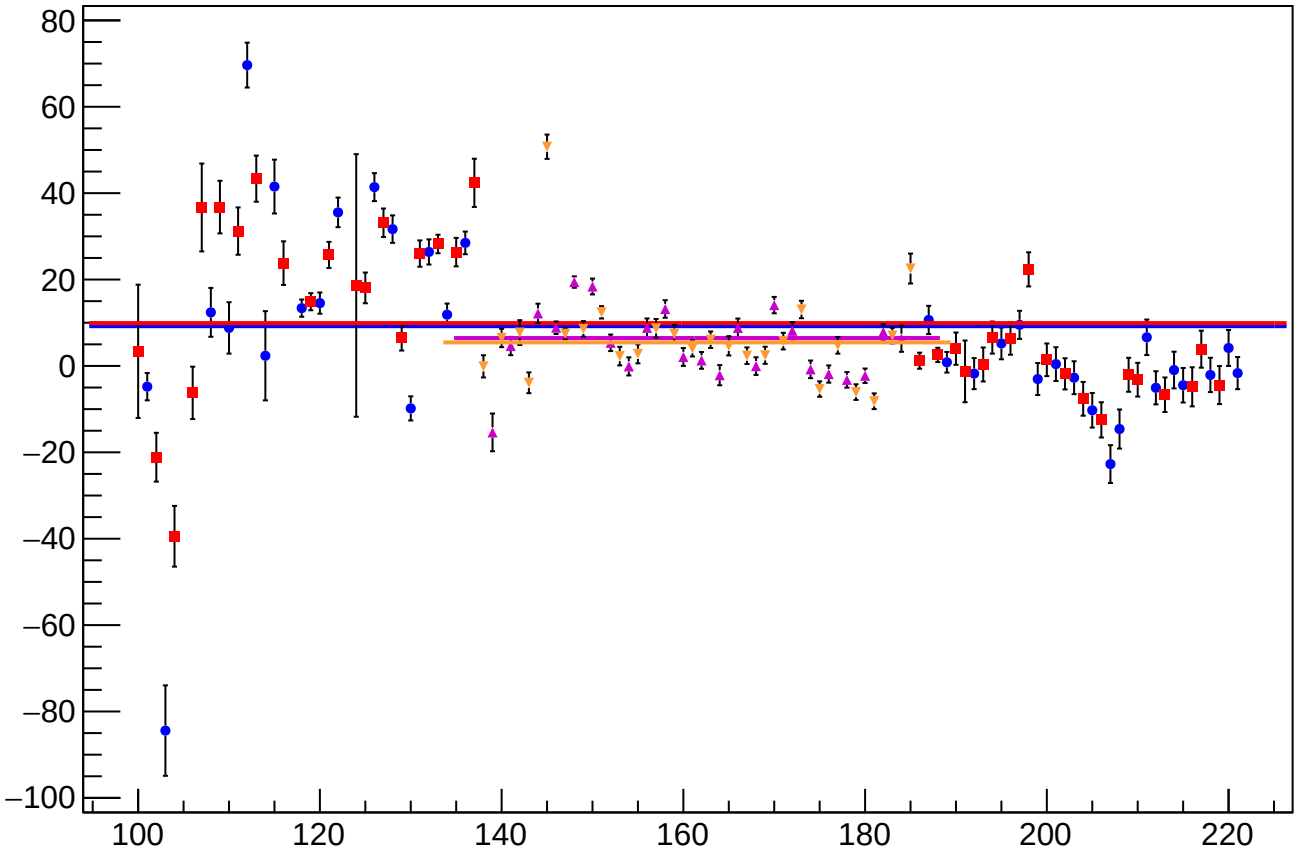
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -1.326+/-0.334 χ^2/NDF: 11187.3/70

In: -4.916+/-0.354 χ^2/NDF:7860.6/56

Out: -4.874+/-0.346 χ^2/NDF:8663.8/61

All: -4.894+/-0.247 χ^2/NDF: 16524.4/118



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: 9.923+/-0.581 χ^2/NDF: 615.5/36

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

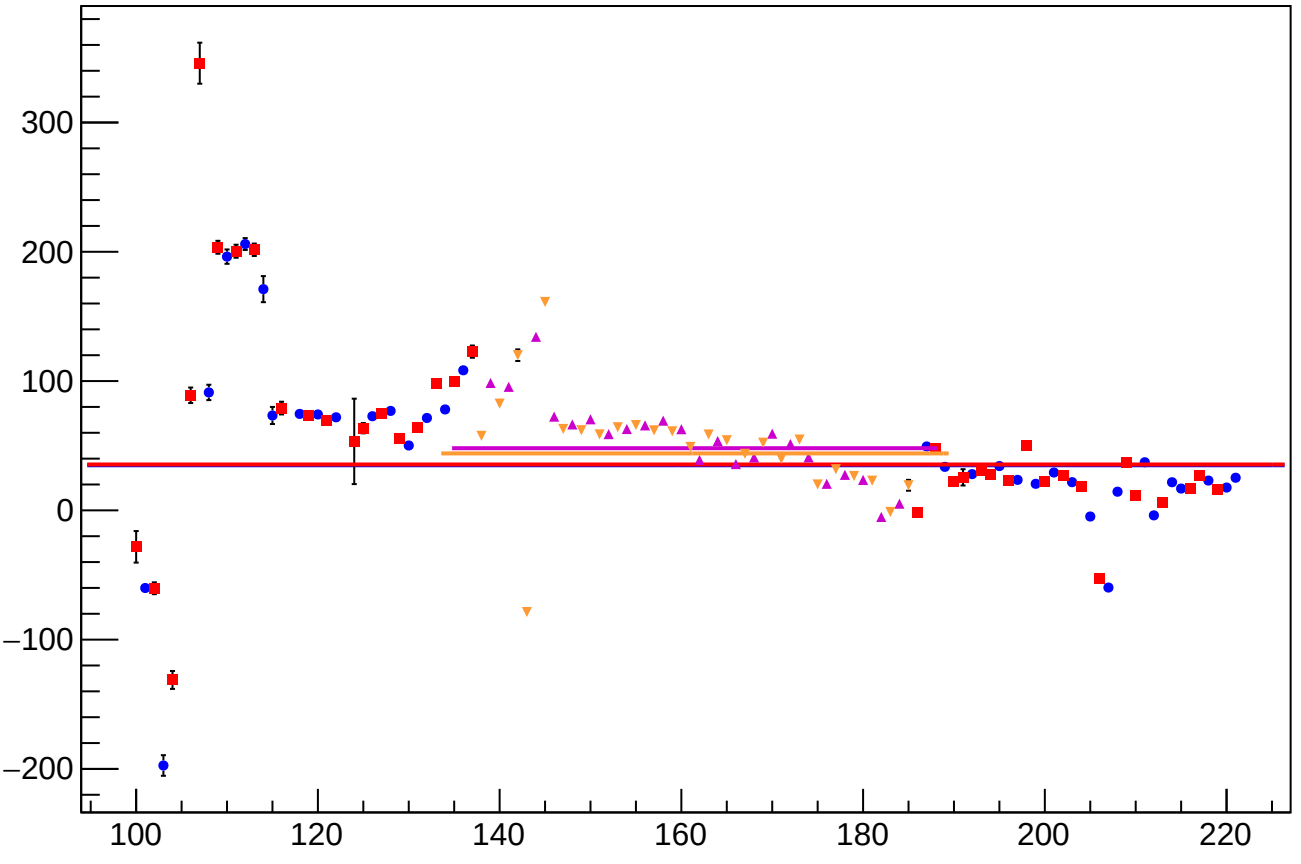
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 9.573+/-0.417 χ^2/NDF: 1434.6/70

In: 7.333+/-0.337 χ^2/NDF:1168.7/56

Out: 6.856+/-0.326 χ^2/NDF:1149.9/61

All: 7.087+/-0.234 χ^2/NDF: 2319.6/118



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: 35.479+/-0.453 χ^2/NDF: 9446.8/36

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

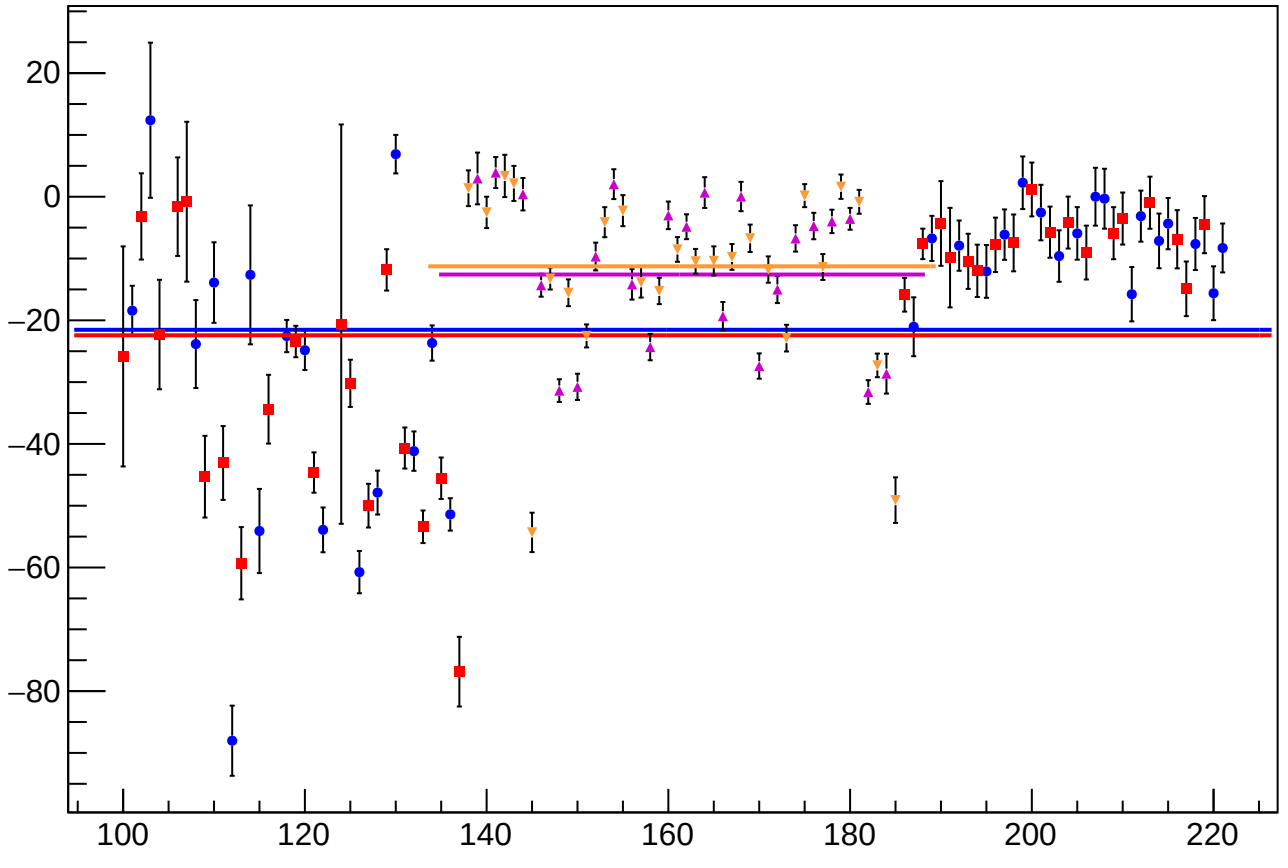
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 35.204+/-0.331 χ^2/NDF: 17890.5/70

In: 40.993+/-0.355 χ^2/NDF:12163.2/56

Out: 39.252+/-0.339 χ^2/NDF:14168.3/61

All: 40.082+/-0.245 χ^2/NDF: 26344.2/118



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: -22.422+/-0.692 χ^2/NDF: 766.0/36

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

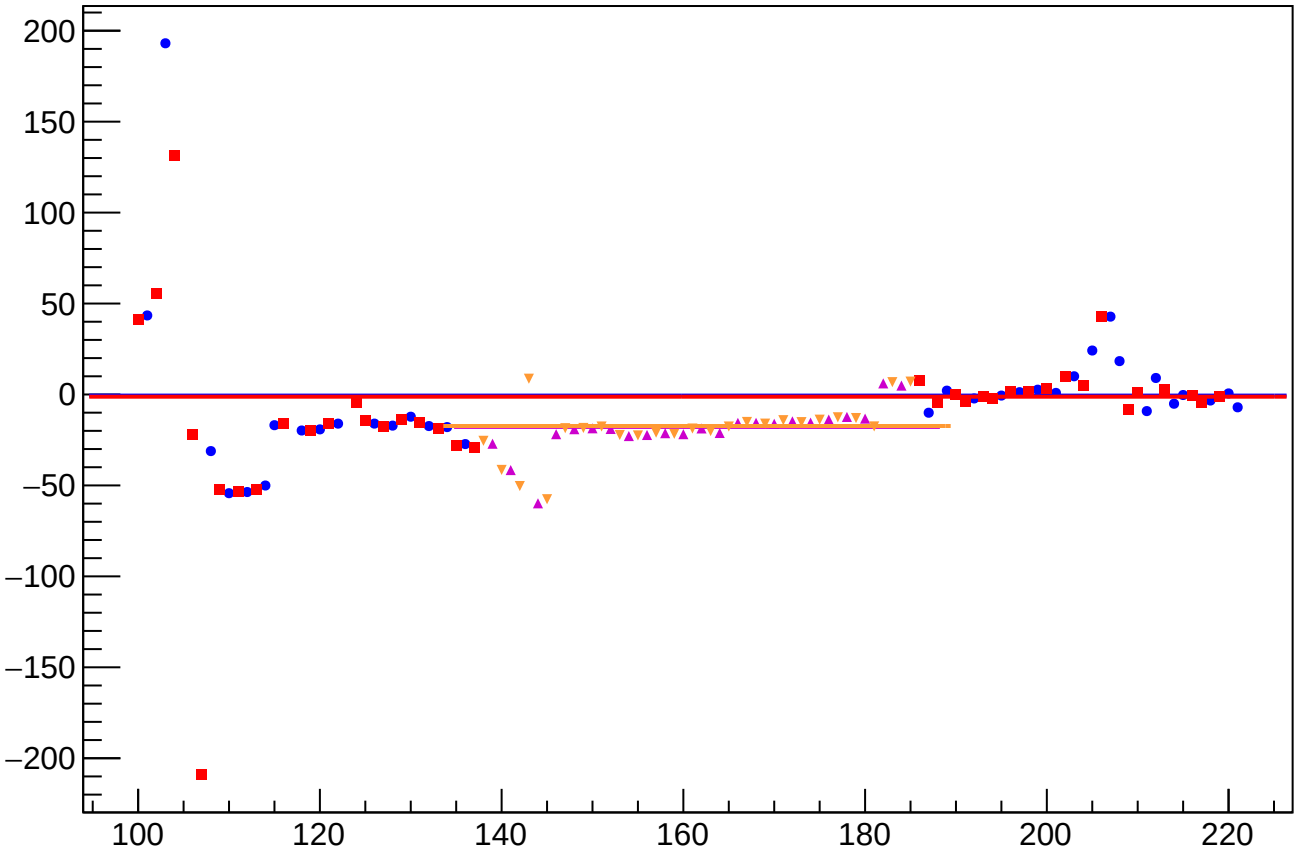
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -21.973+/-0.488 χ^2/NDF: 1686.2/70

In: -15.348+/-0.382 χ^2/NDF:1708.4/56

Out: -14.521+/-0.374 χ^2/NDF:1593.2/61

All: -14.927+/-0.267 χ^2/NDF: 3304.0/118



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: -1.213+/-0.033 χ^2/NDF: 571817.9/36

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

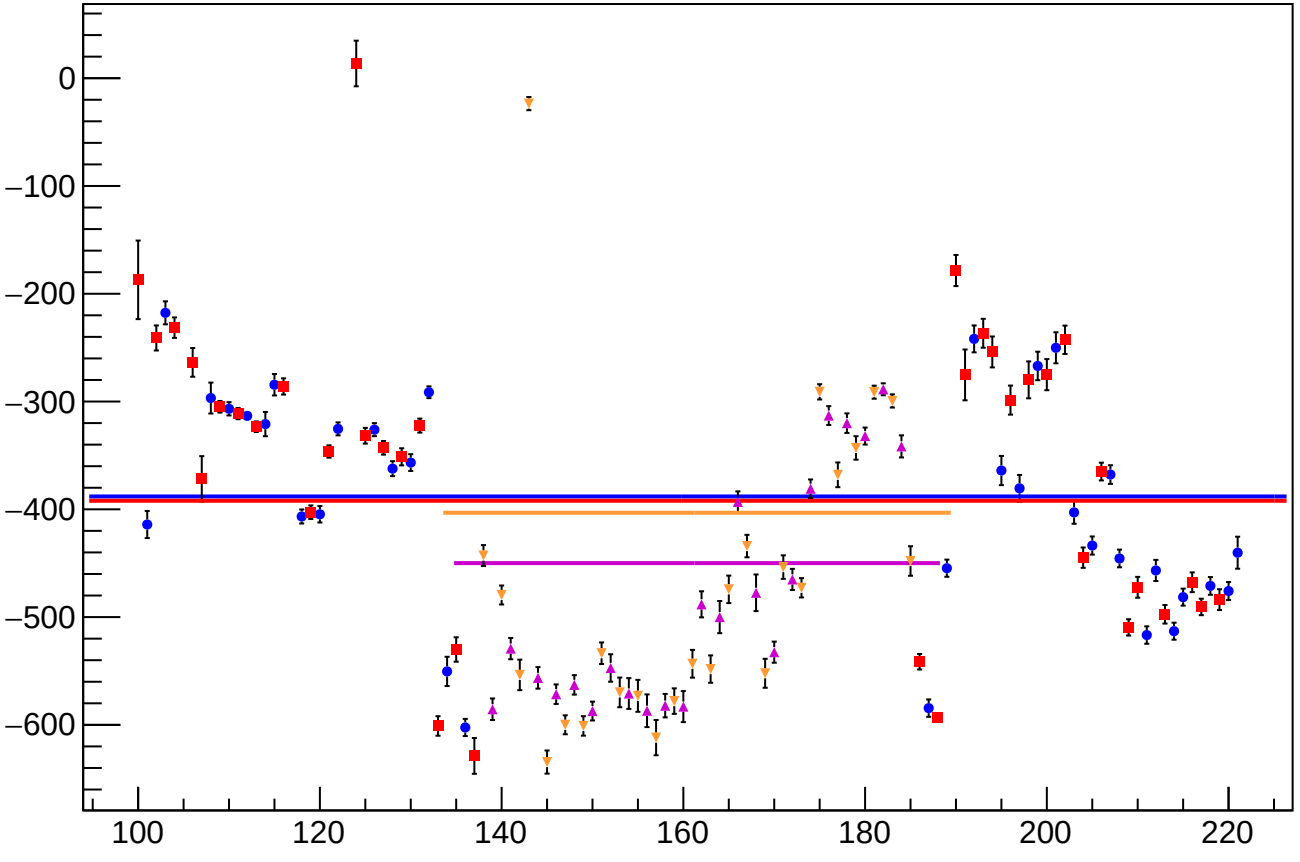
Right: -0.913+/-0.023 χ^2/NDF: 1220965.2/70

In: -13.078+/-0.017 χ^2/NDF:1115096.2/56

Out: -12.979+/-0.017 χ^2/NDF:1095543.0/61

All: -13.028+/-0.012 χ^2/NDF: 2210656.0/118

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -392.074+/-1.360 χ^2/NDF: 7269.2/36

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

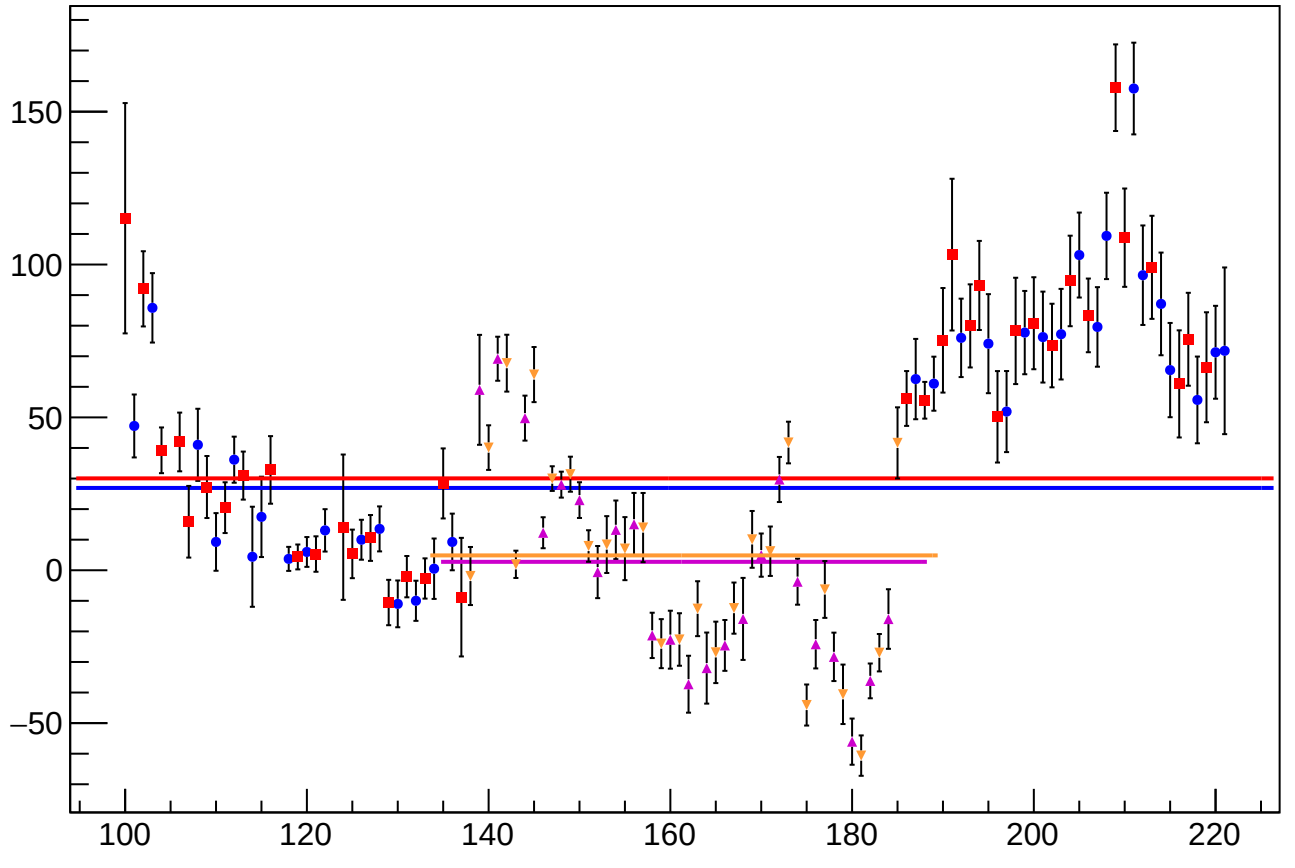
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -390.149+/-0.979 χ^2/NDF: 11583.1/70

In: -408.021+/-1.160 χ^2/NDF:8149.2/56

Out: -395.771+/-1.111 χ^2/NDF:15041.7/61

All: -401.633+/-0.803 χ^2/NDF: 23249.0/118



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: 30.053+/-1.585 χ^2/NDF: 475.1/36

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

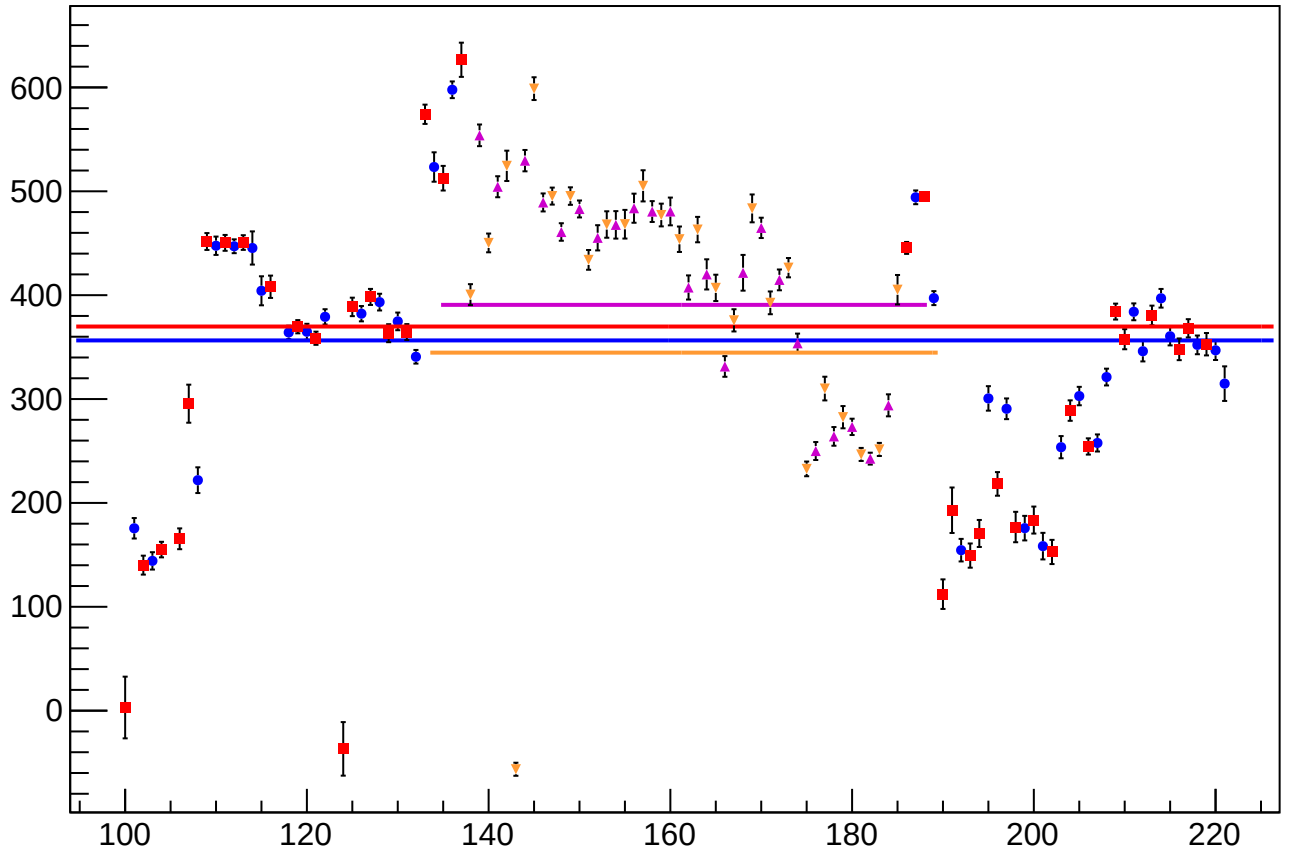
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 28.513+/-1.129 χ^2/NDF: 945.5/70

In: 14.416+/-1.118 χ^2/NDF:984.7/56

Out: 16.312+/-1.069 χ^2/NDF:1070.2/61

All: 15.407+/-0.773 χ^2/NDF: 2056.4/118



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: 369.816+/-1.422 χ^2/NDF: 7221.5/36

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

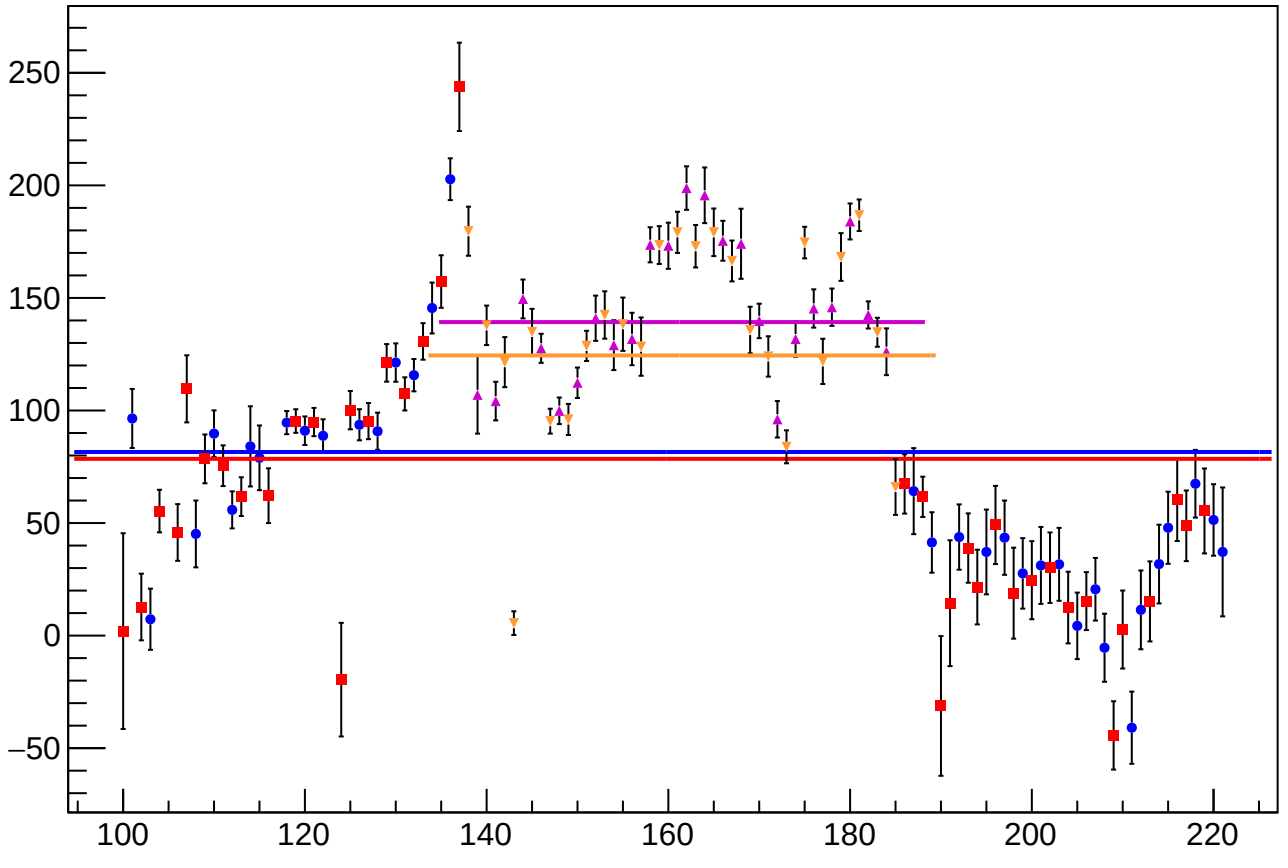
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.519+/-1.035 χ^2/NDF: 11480.9/70

In: 368.617+/-1.210 χ^2/NDF:7073.8/56

Out: 360.933+/-1.144 χ^2/NDF:14610.1/61

All: 364.558+/-0.831 χ^2/NDF: 21705.2/118



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: 78.523+/-1.854 χ^2/NDF: 504.0/36

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

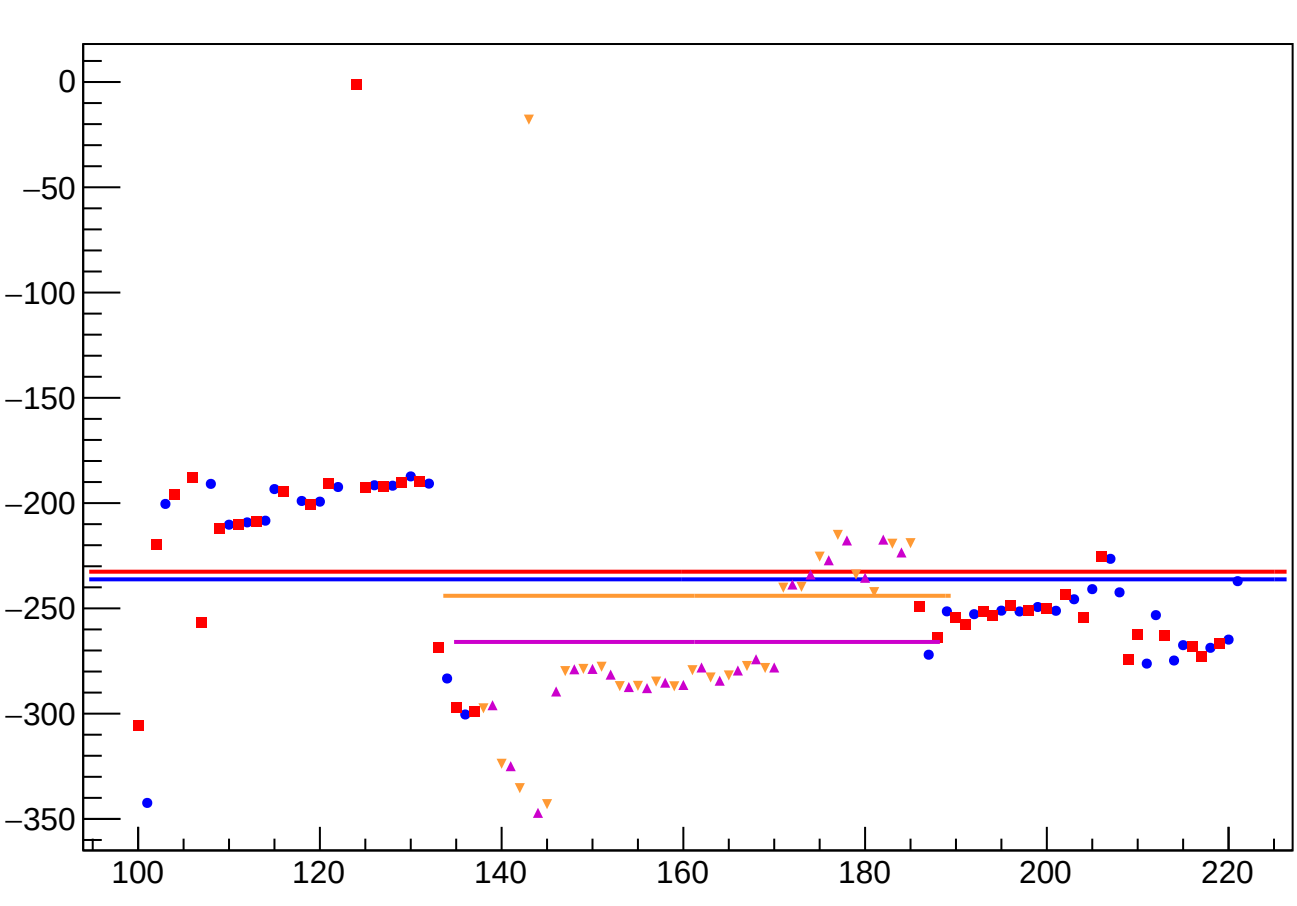
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 80.028+/-1.316 χ^2/NDF: 1044.6/70

In: 111.988+/-1.285 χ^2/NDF:1303.1/56

Out: 103.996+/-1.237 χ^2/NDF:1782.1/61

All: 107.842+/-0.891 χ^2/NDF: 3105.3/118



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: -232.576+/-0.099 χ^2/NDF: 122112.5/36

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

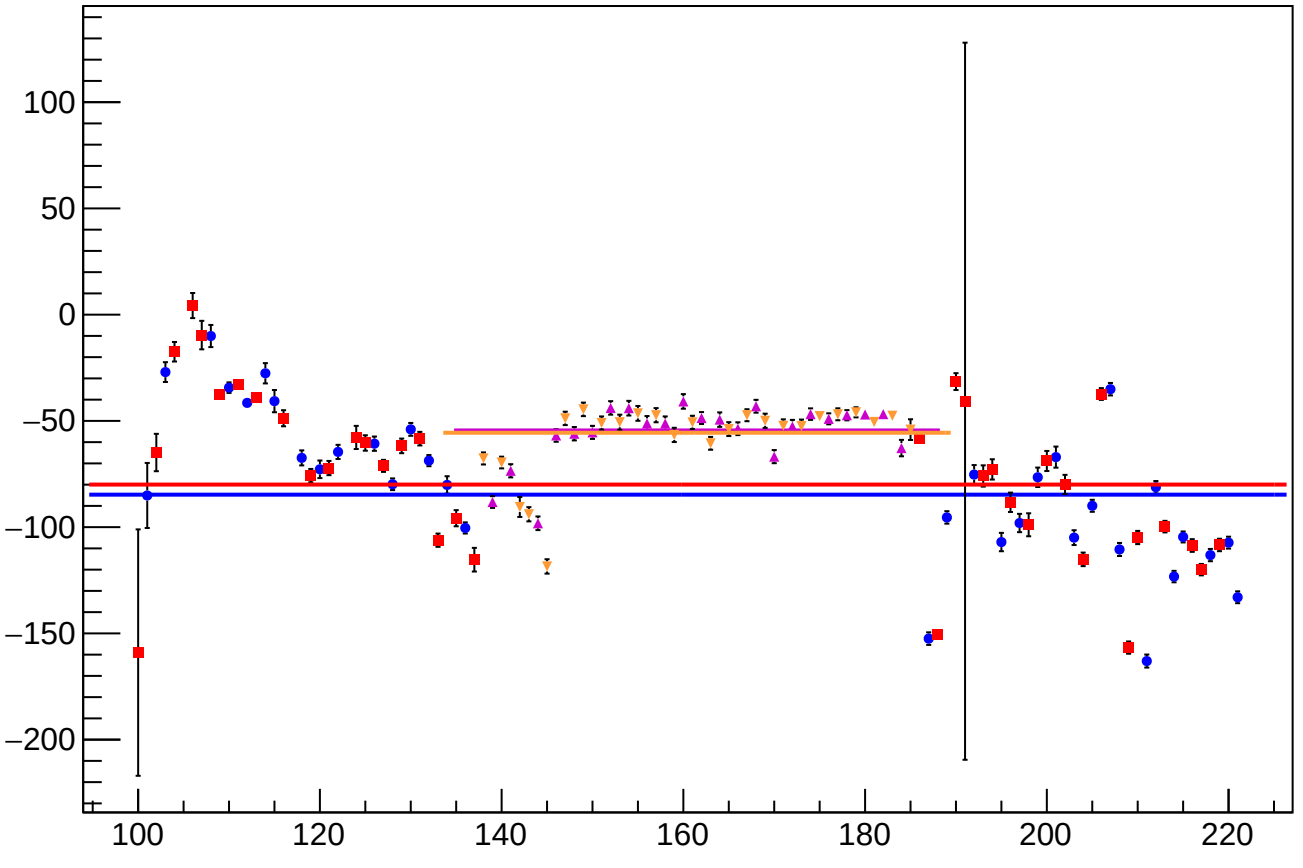
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -234.343+/-0.071 χ^2/NDF: 268288.0/70

In: -254.520+/-0.063 χ^2/NDF:367878.0/56

Out: -239.685+/-0.061 χ^2/NDF:1128368.7/61

All: -246.837+/-0.044 χ^2/NDF: 1524809.4/11



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: -79.964+/-0.532 χ^2/NDF: 5588.2/36

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

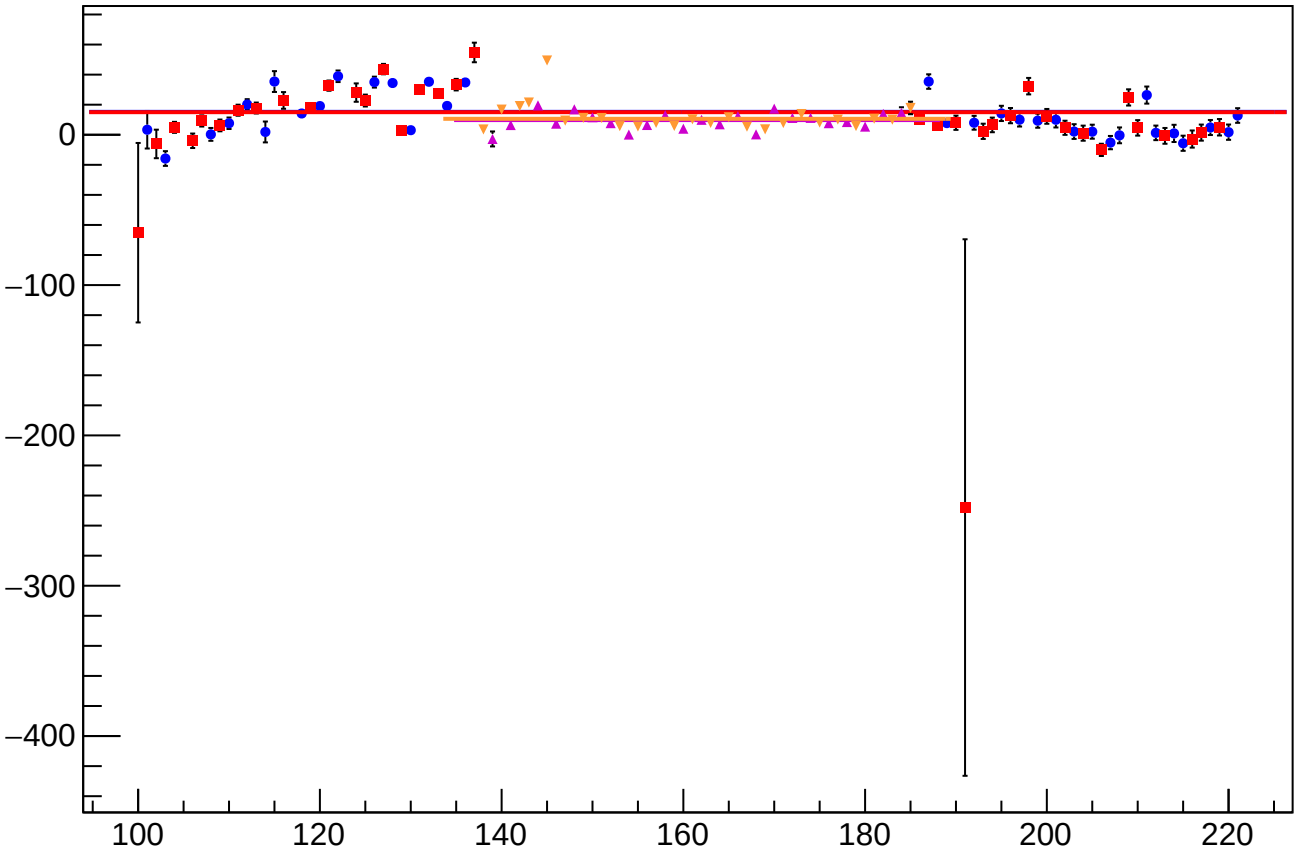
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -82.237+/-0.384 χ^2/NDF: 9678.8/70

In: -70.934+/-0.409 χ^2/NDF:5903.8/56

Out: -69.024+/-0.395 χ^2/NDF:7216.8/61

All: -69.945+/-0.284 χ^2/NDF: 13131.8/118



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: 15.022+/-0.649 χ^2/NDF: 399.0/36

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

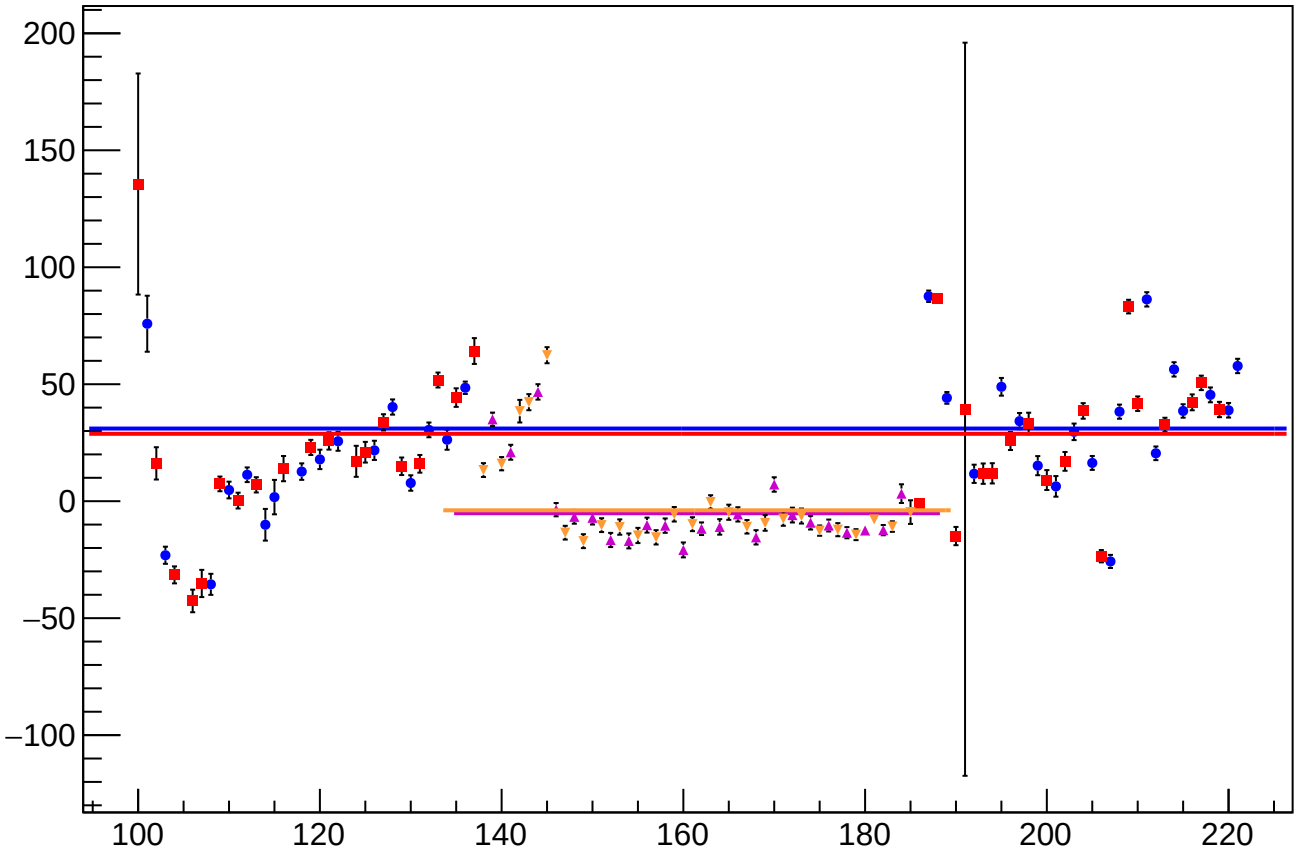
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 15.123+/-0.471 χ^2/NDF: 797.4/70

In: 11.496+/-0.386 χ^2/NDF:562.8/56

Out: 12.036+/-0.369 χ^2/NDF:685.5/61

All: 11.778+/-0.267 χ^2/NDF: 1249.3/118



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: 28.814+/-0.541 χ^2/NDF: 4162.7/36

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

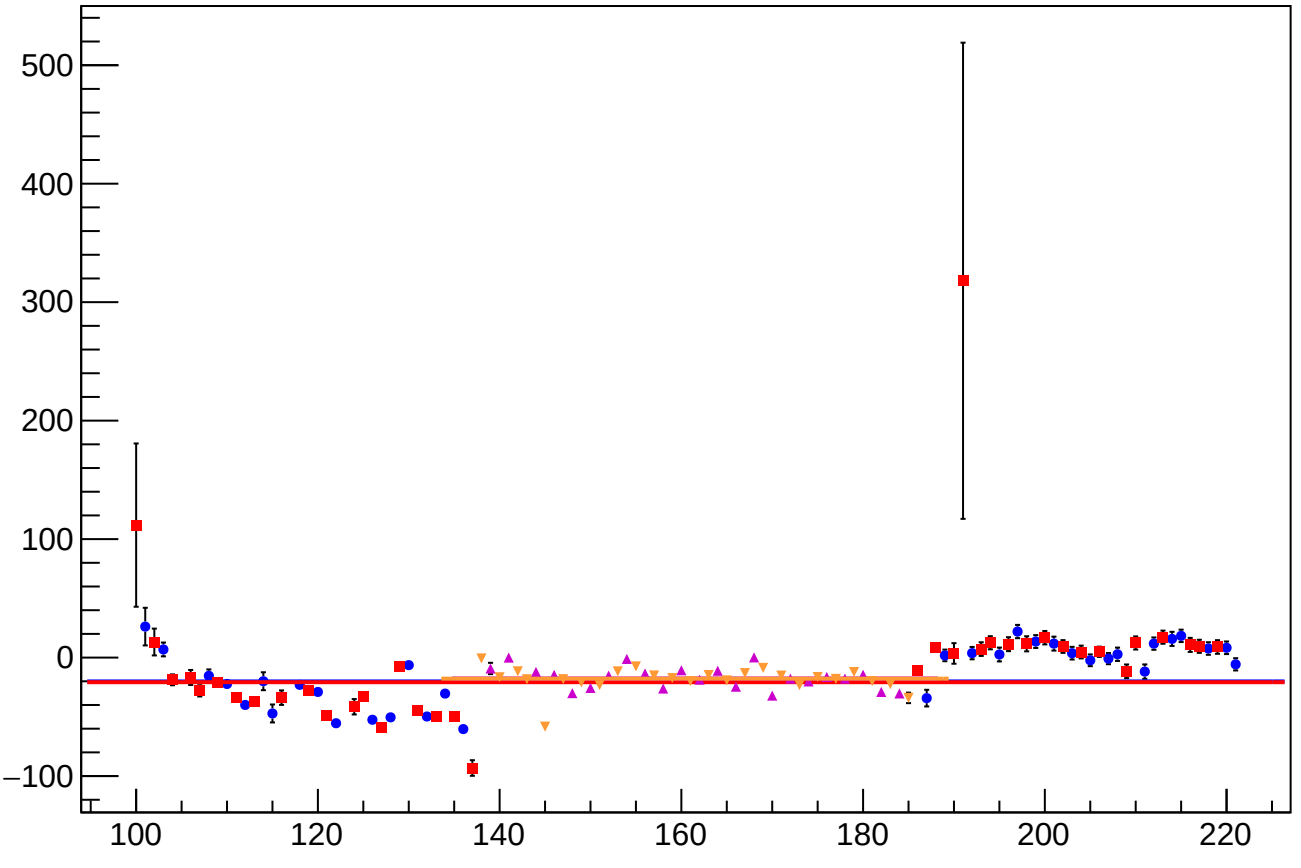
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 29.850+/-0.397 χ^2/NDF: 6534.7/70

In: 13.458+/-0.418 χ^2/NDF:4883.7/56

Out: 13.725+/-0.397 χ^2/NDF:6696.5/61

All: 13.598+/-0.288 χ^2/NDF: 11580.4/118



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: -20.762+/-0.765 χ^2/NDF: 1085.0/36

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

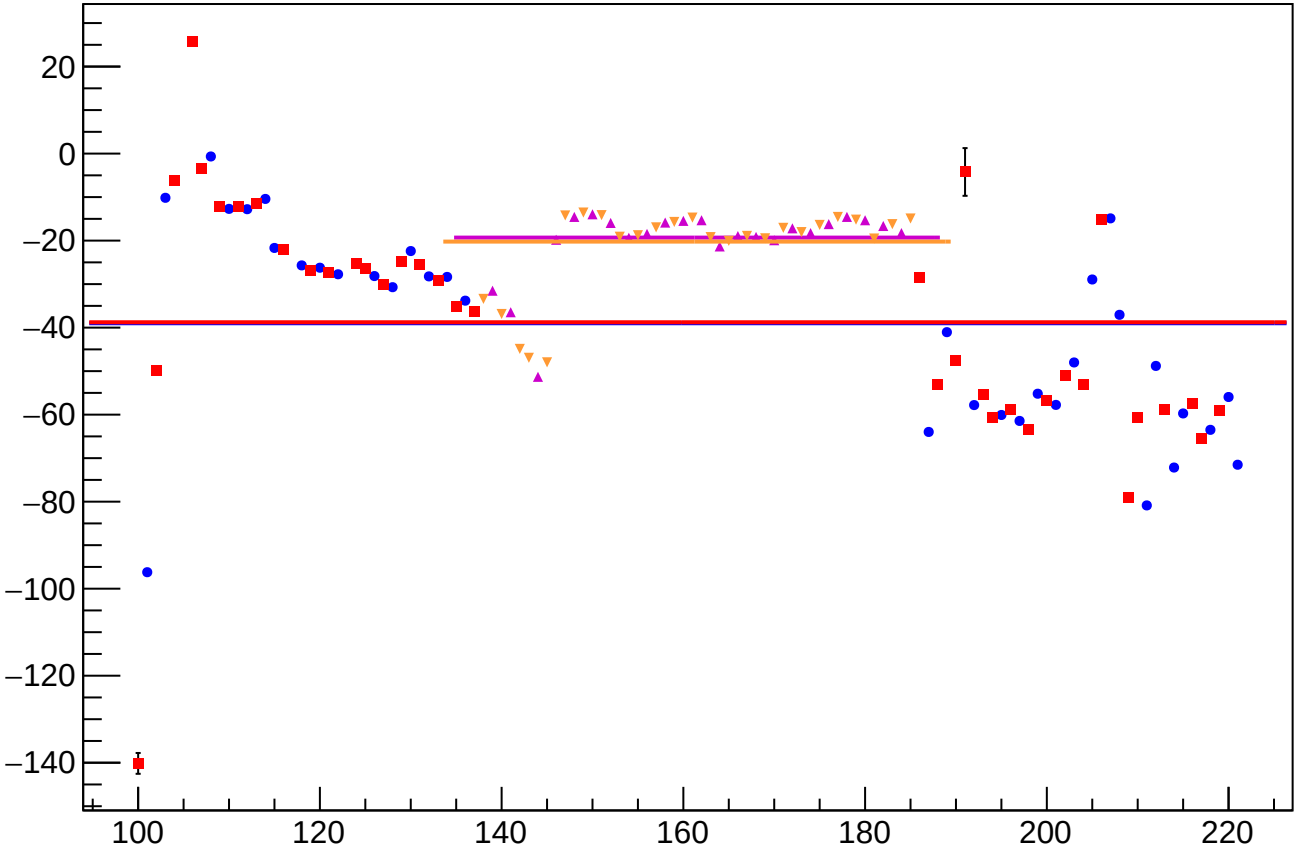
Right: -20.453+/-0.547 χ^2/NDF: 2098.3/70

In: -18.416+/-0.437 χ^2/NDF:1305.8/56

Out: -18.692+/-0.424 χ^2/NDF:1347.1/61

All: -18.558+/-0.304 χ^2/NDF: 2653.1/118

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



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: -38.766+/-0.038 χ^2/NDF: 344845.7/36

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

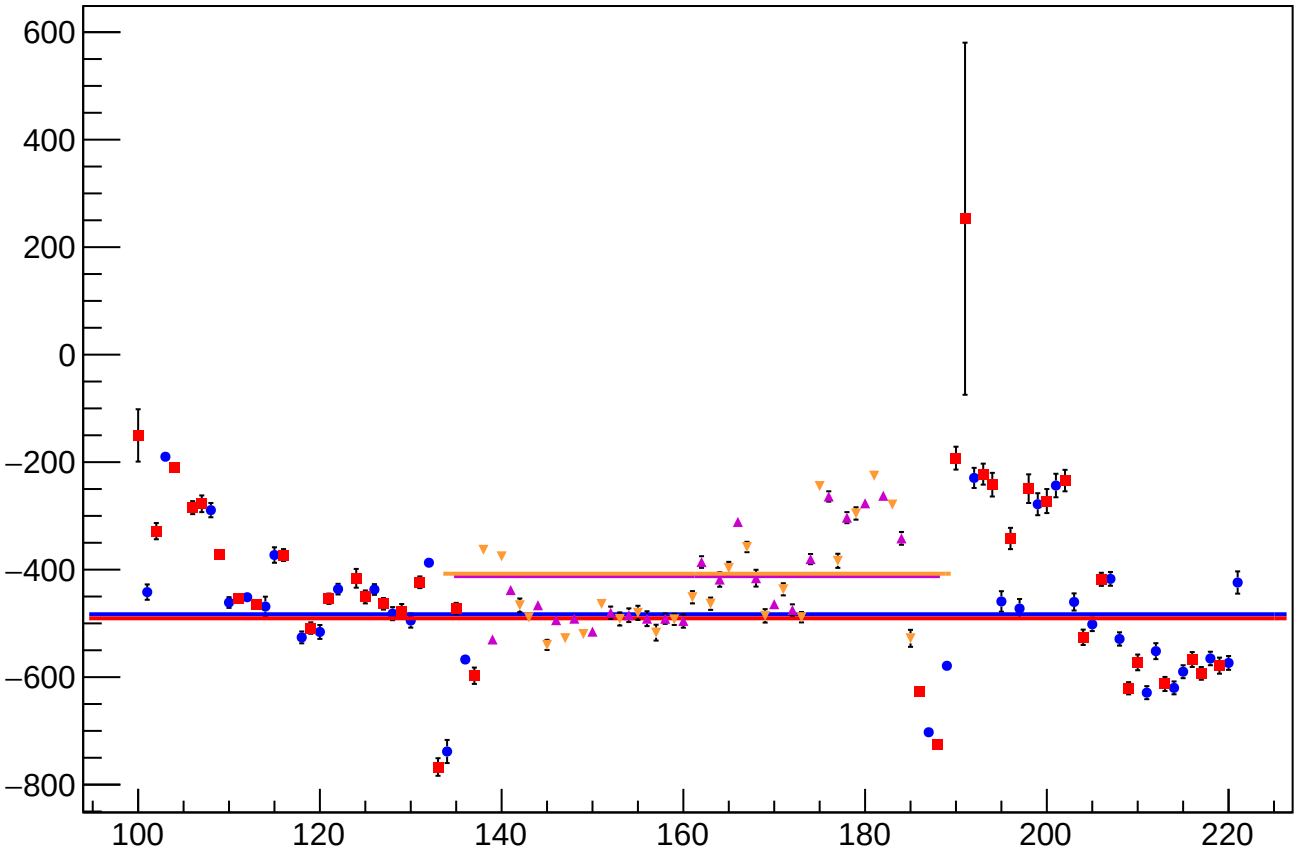
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -38.879+/-0.027 χ^2/NDF: 624758.4/70

In: -24.603+/-0.020 χ^2/NDF:565467.3/56

Out: -25.086+/-0.020 χ^2/NDF:664625.0/61

All: -24.848+/-0.014 χ^2/NDF: 1230390.5/118



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: -490.556+/-1.897 χ^2/NDF: 6556.0/36

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

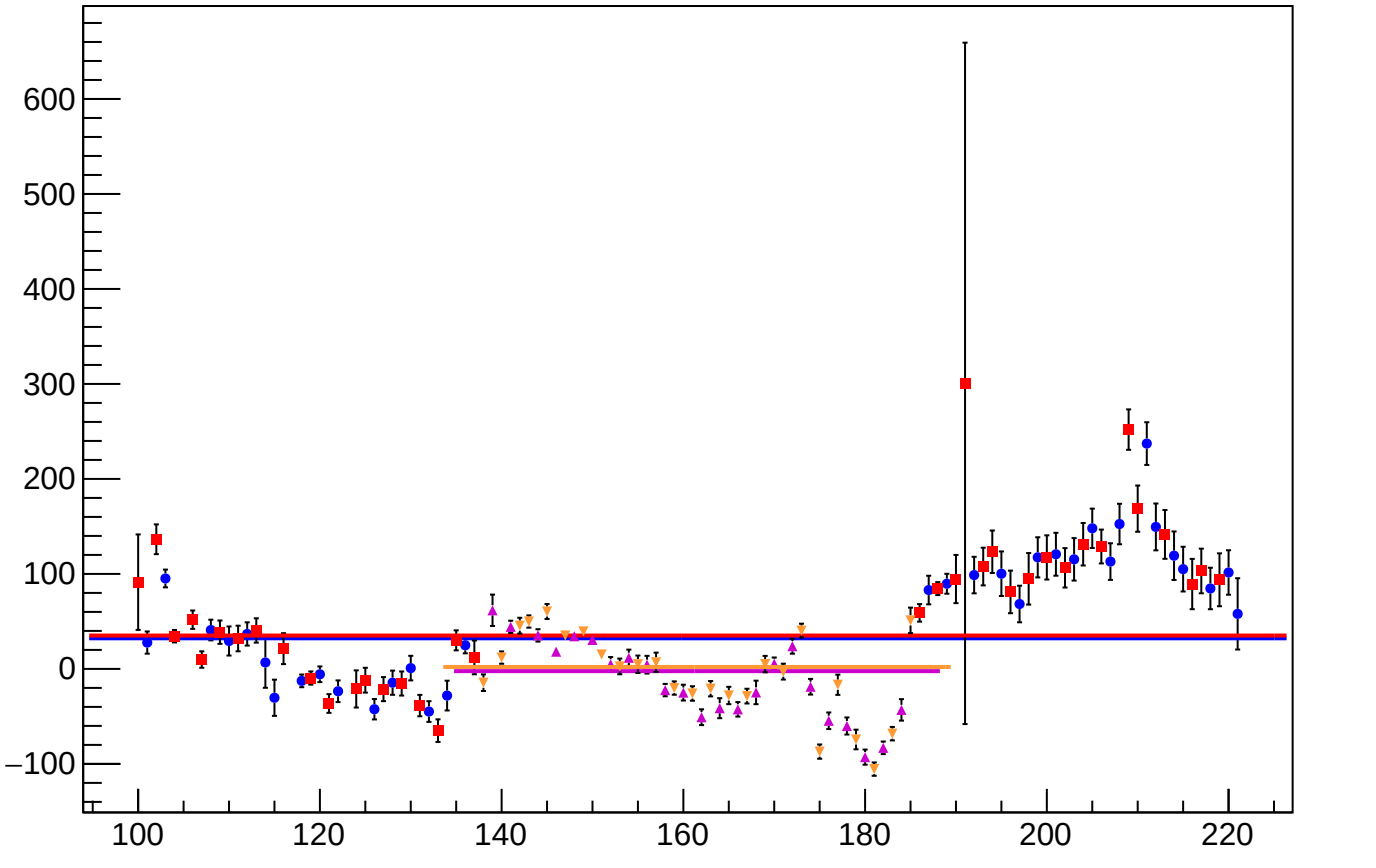
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -487.077+/-1.392 χ^2/NDF: 9973.8/70

In: -446.834+/-1.435 χ^2/NDF:6203.5/56

Out: -450.227+/-1.360 χ^2/NDF:10359.1/61

All: -448.621+/-0.987 χ^2/NDF: 16565.5/118



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: 35.132+/-2.157 χ^2/NDF: 664.1/36

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

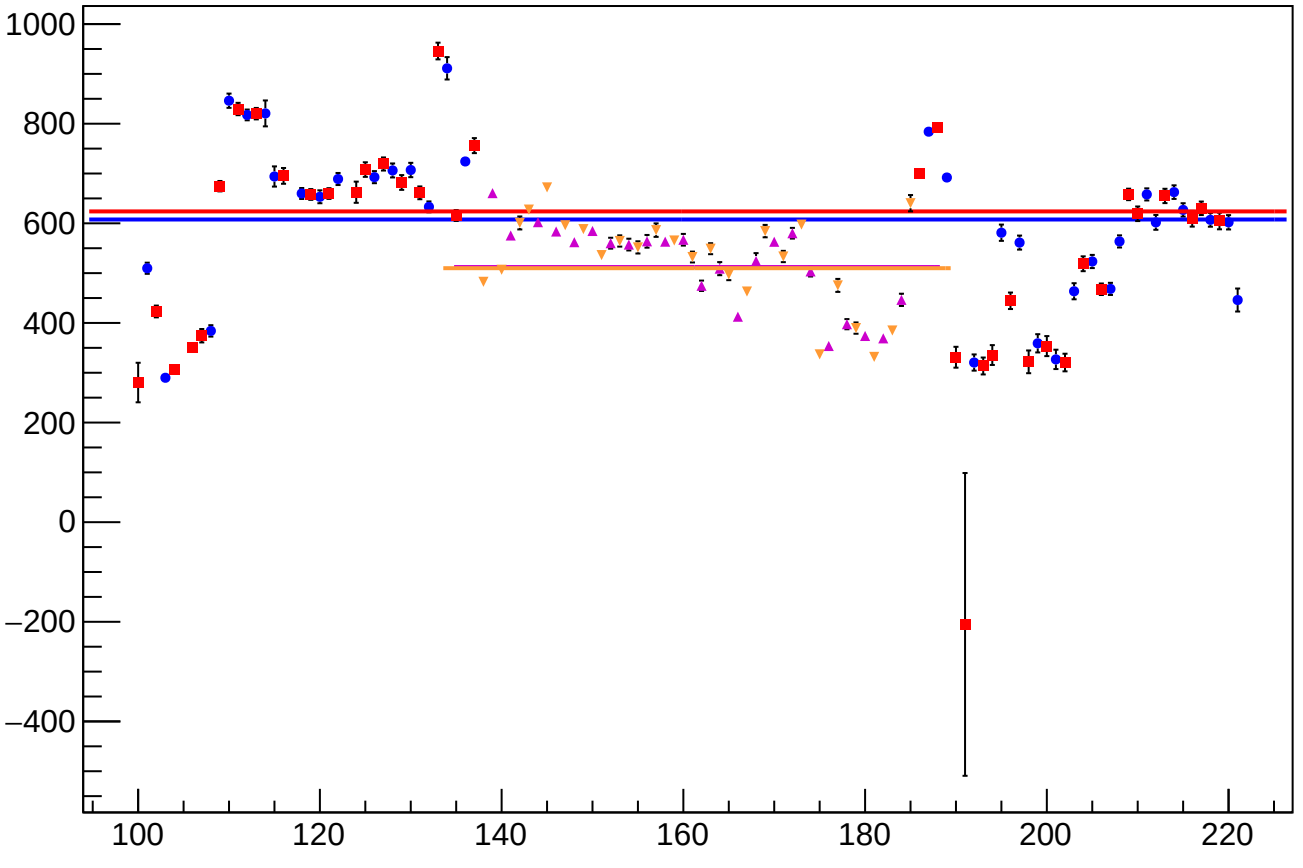
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 33.806+/-1.591 χ^2/NDF: 1280.0/70

In: 7.443+/-1.255 χ^2/NDF:1502.8/56

Out: 12.103+/-1.189 χ^2/NDF:1738.7/61

All: 9.897+/-0.863 χ^2/NDF: 3248.8/118



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: 623.913+/-1.873 χ^2/NDF: 8822.8/36

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

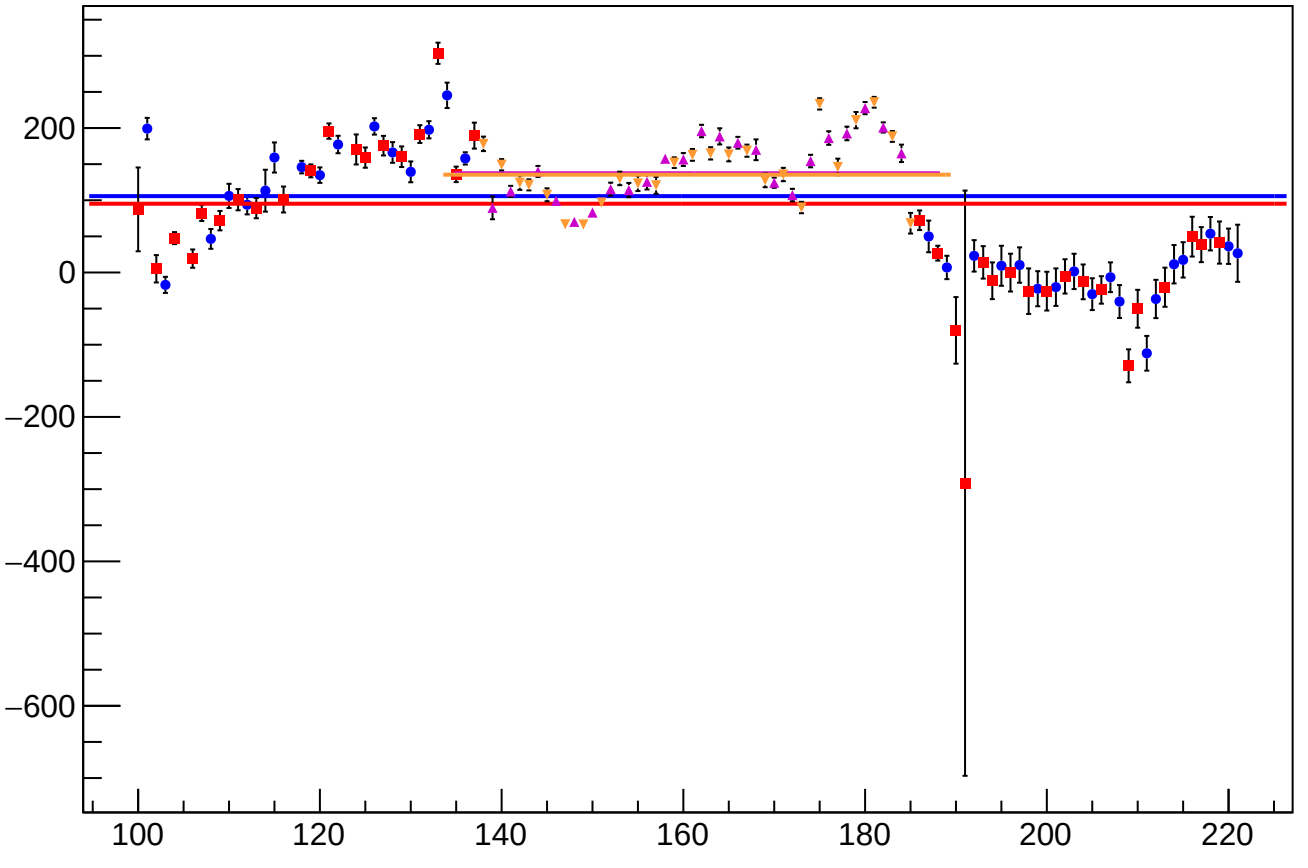
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 616.685+/-1.395 χ^2/NDF: 14468.3/70

In: 557.457+/-1.439 χ^2/NDF:8795.1/56

Out: 568.777+/-1.346 χ^2/NDF:13276.5/61

All: 563.495+/-0.983 χ^2/NDF: 22104.6/118



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: 95.194+/-2.576 χ^2/NDF: 983.0/36

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

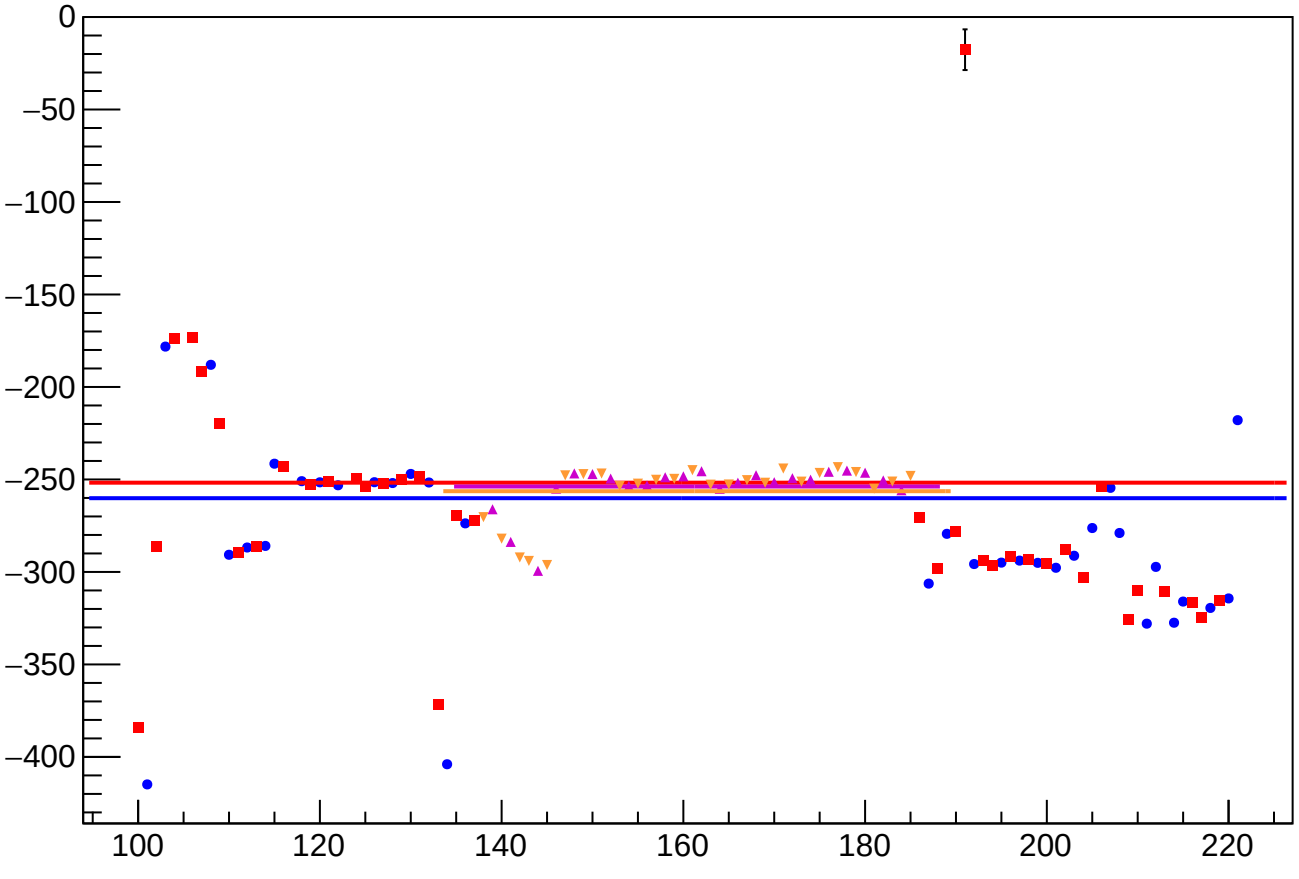
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 100.134+/-1.877 χ^2/NDF: 1913.7/70

In: 128.554+/-1.446 χ^2/NDF:1725.2/56

Out: 123.723+/-1.389 χ^2/NDF:2079.0/61

All: 126.042+/-1.002 χ^2/NDF: 3810.0/118



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: -251.741+/-0.127 χ^2/NDF: 163993.1/36

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

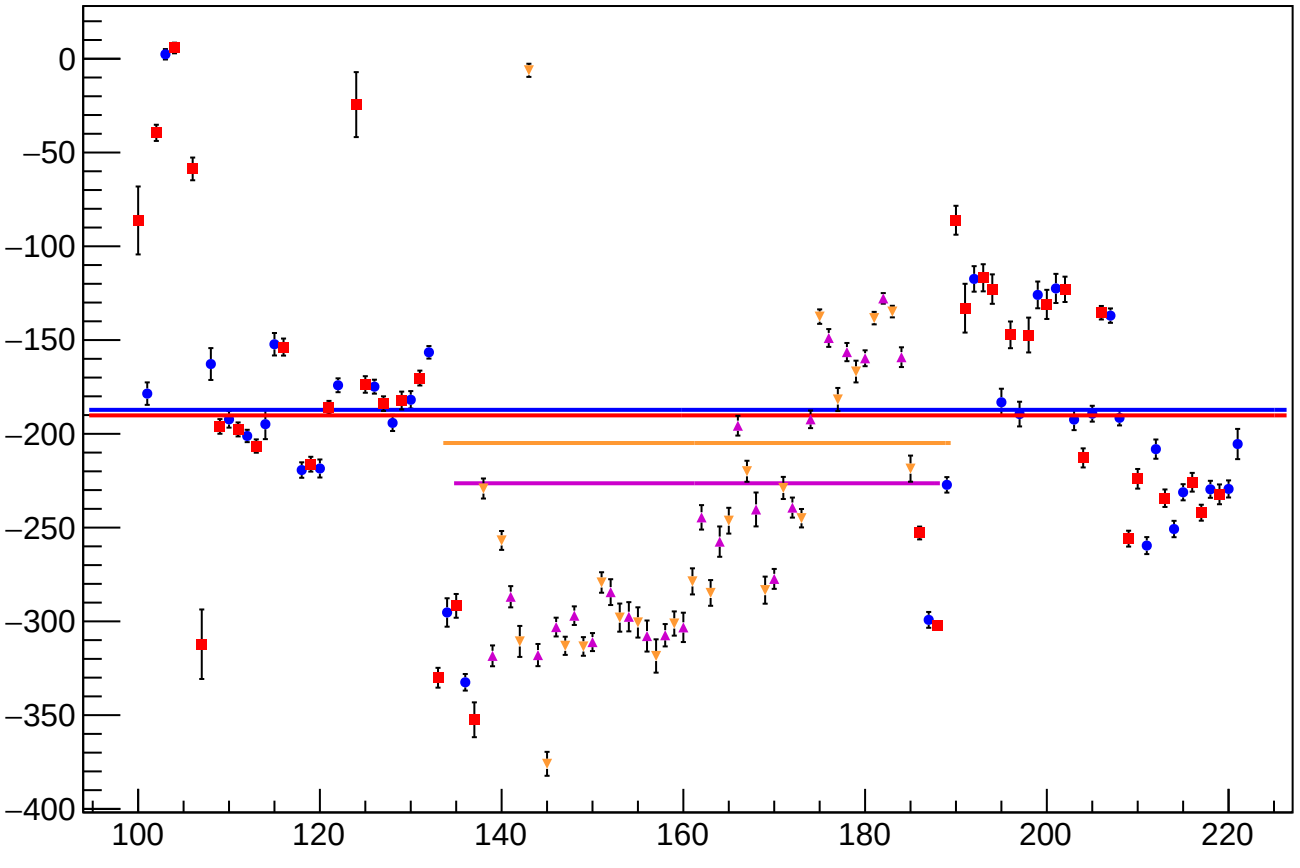
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -255.799+/-0.092 χ^2/NDF: 377584.8/70

In: -255.452+/-0.067 χ^2/NDF:237276.2/56

Out: -255.113+/-0.066 χ^2/NDF:204462.0/61

All: -255.280+/-0.047 χ^2/NDF: 441751.2/118



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: -190.169+/-0.764 χ^2/NDF: 12308.2/36

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

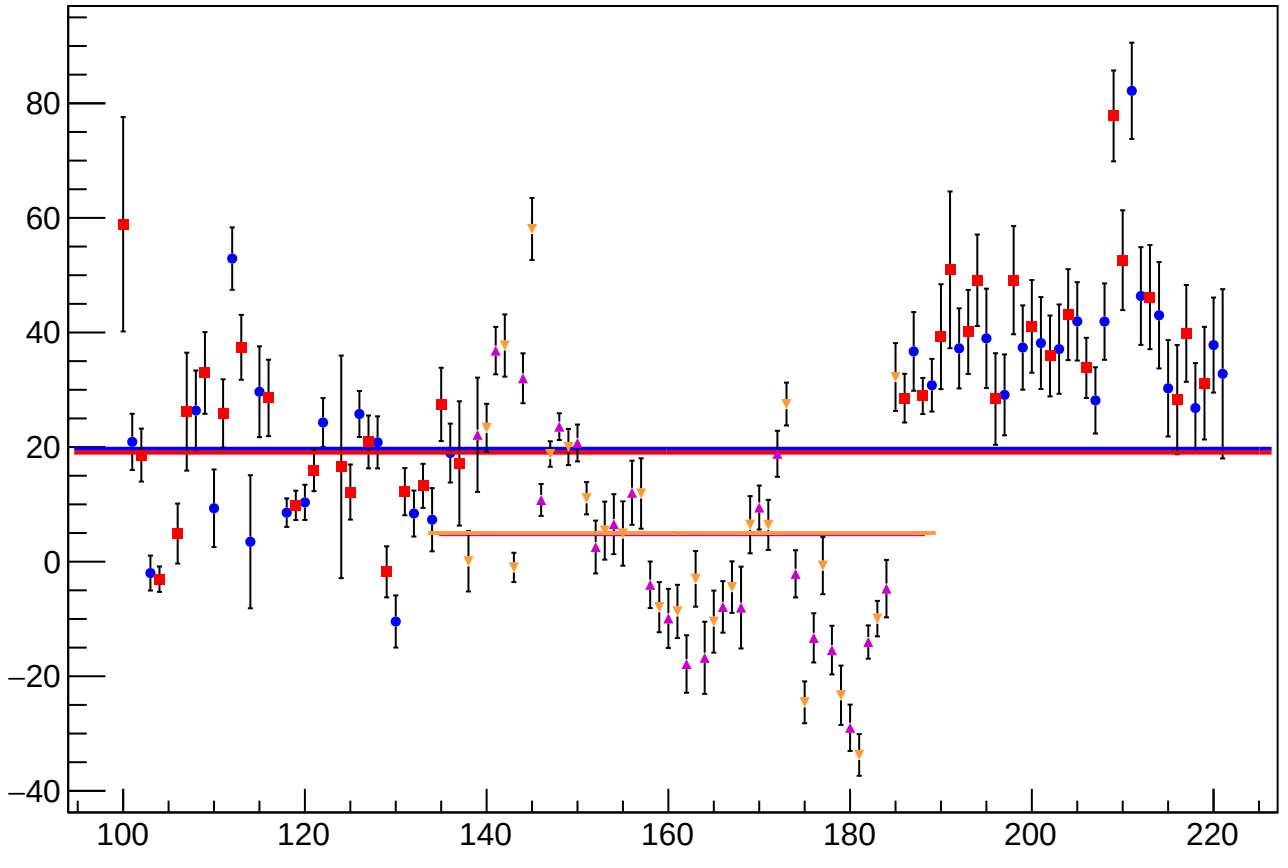
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -188.739+/-0.549 χ^2/NDF: 20517.9/70

In: -200.462+/-0.643 χ^2/NDF:13252.3/56

Out: -195.253+/-0.618 χ^2/NDF:20262.7/61

All: -197.756+/-0.446 χ^2/NDF: 33549.1/118



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: 19.028+/-0.867 χ^2/NDF: 350.3/36

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

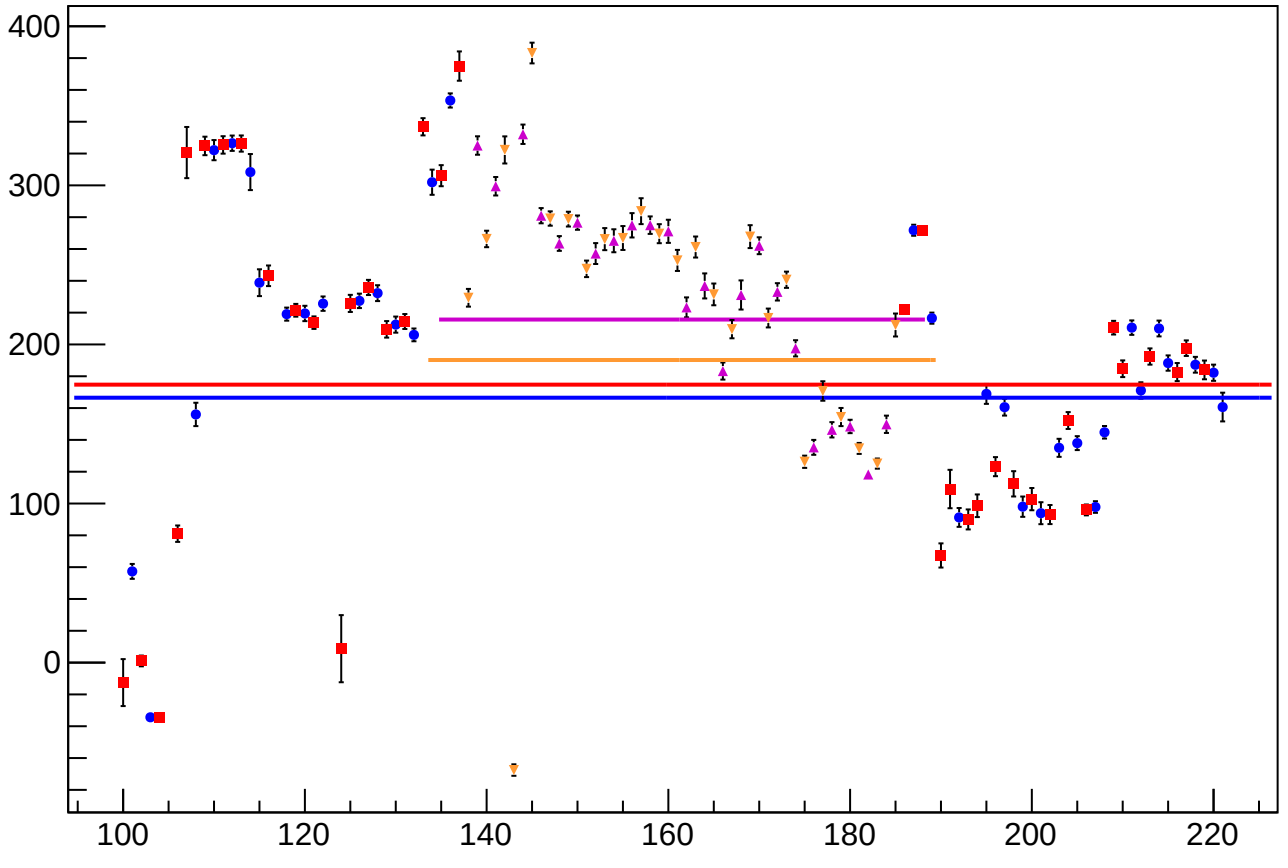
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 19.349+/-0.629 χ^2/NDF: 679.0/70

In: 11.686+/-0.621 χ^2/NDF:898.0/56

Out: 11.398+/-0.585 χ^2/NDF:1041.2/61

All: 11.533+/-0.426 χ^2/NDF: 1939.3/118



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: 174.727+/-0.753 χ^2/NDF: 21491.8/36

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

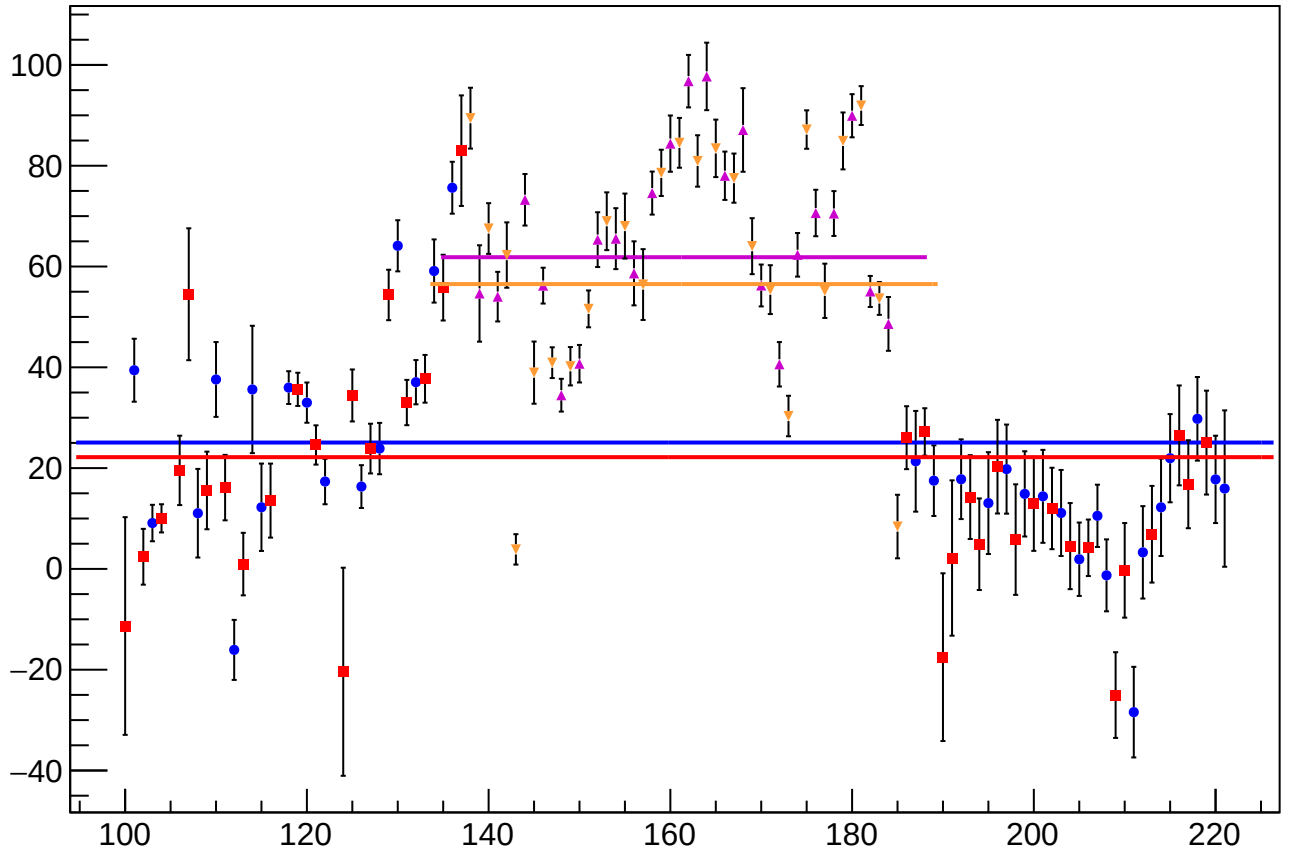
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 170.880+/-0.549 χ^2/NDF: 37719.0/70

In: 183.601+/-0.648 χ^2/NDF:21362.9/56

Out: 179.988+/-0.612 χ^2/NDF:31019.5/61

All: 181.692+/-0.445 χ^2/NDF: 52398.8/118



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: 22.175+/-1.028 χ^2/NDF: 269.8/36

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

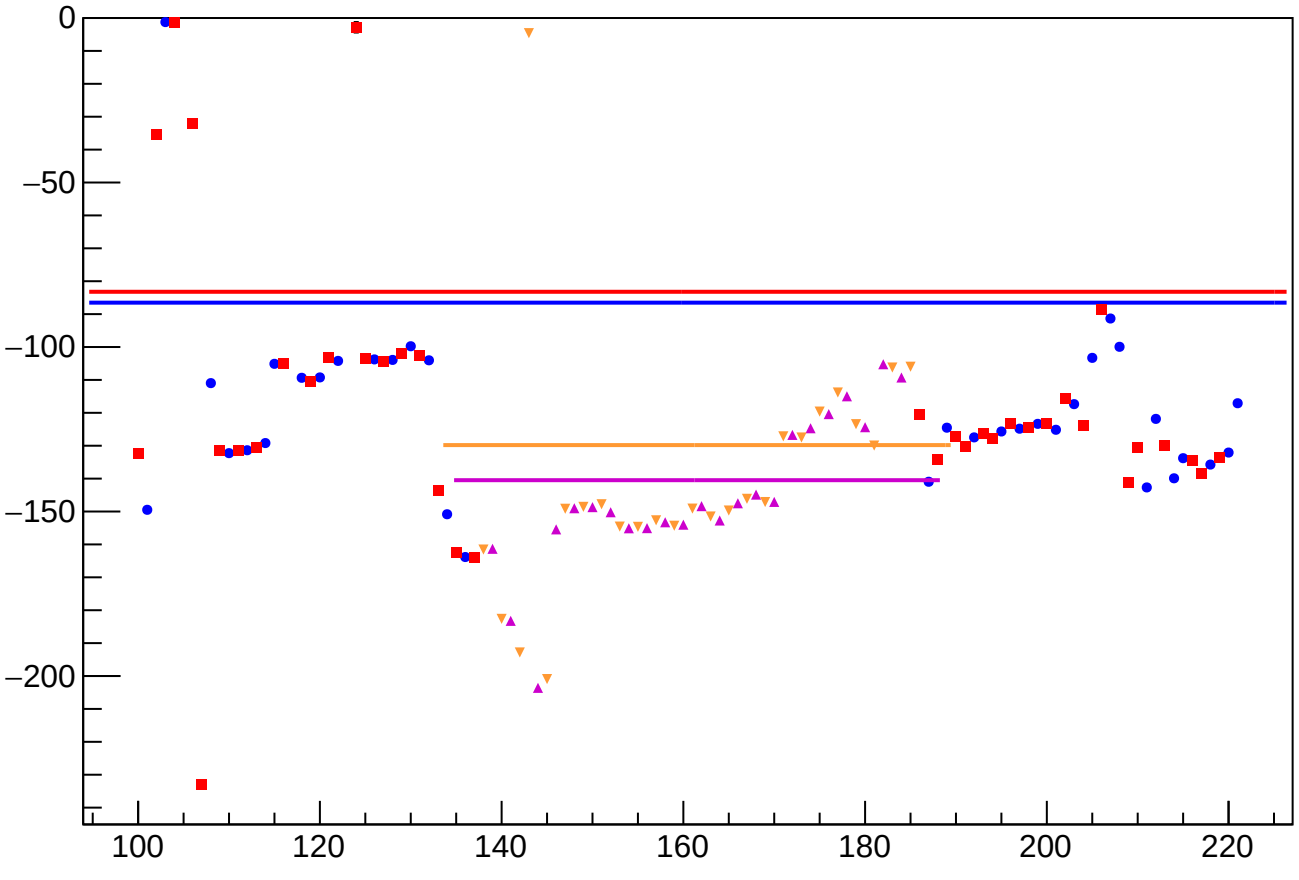
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.579+/-0.738 χ^2/NDF: 652.4/70

In: 45.266+/-0.712 χ^2/NDF:1359.2/56

Out: 41.450+/-0.681 χ^2/NDF:1694.7/61

All: 43.273+/-0.492 χ^2/NDF: 3068.9/118



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: -83.209+/-0.048 χ^2/NDF: 1329965.1/36

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

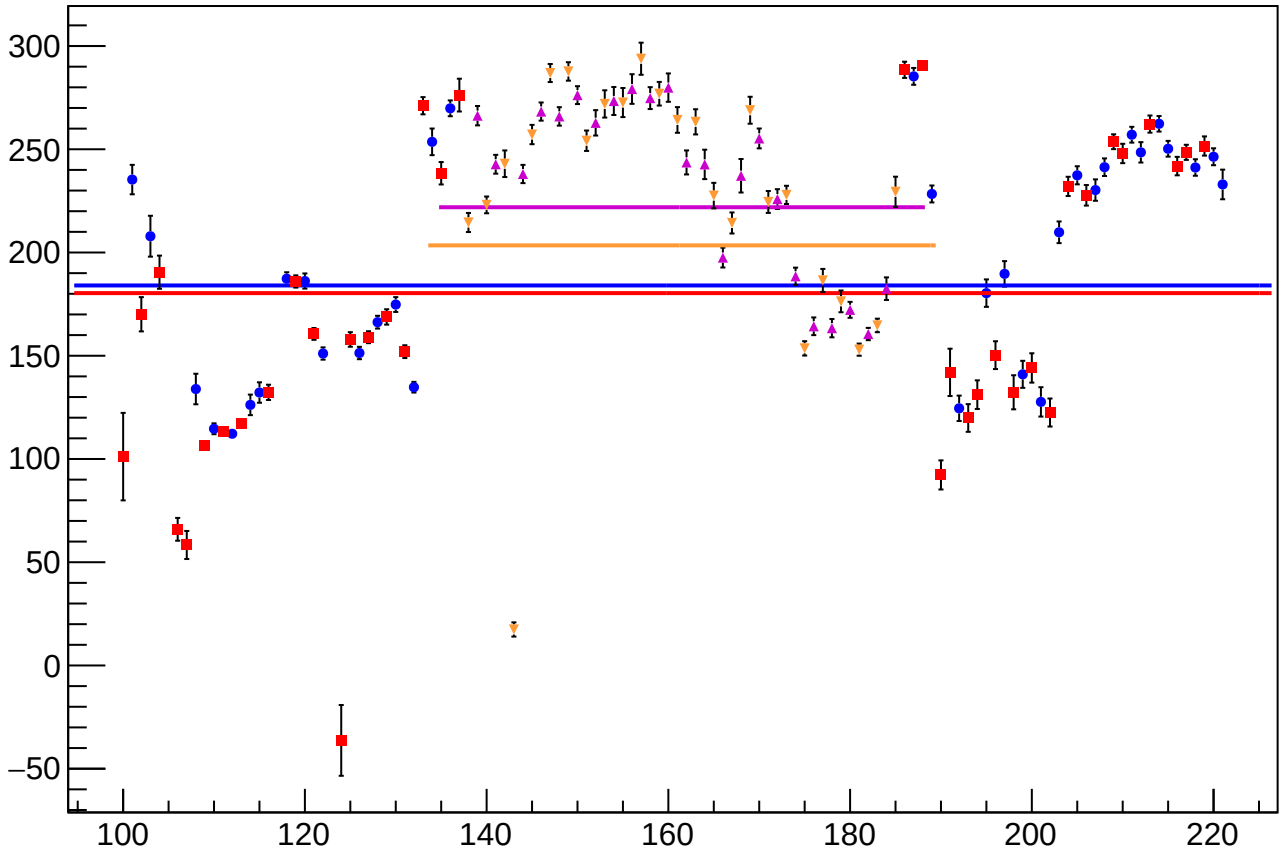
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -84.823+/-0.035 χ^2/NDF: 2702935.7/70

In: -116.842+/-0.033 χ^2/NDF:2294153.4/56

Out: -109.654+/-0.032 χ^2/NDF:2883464.0/61

All: -113.140+/-0.023 χ^2/NDF: 5202456.7/11



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: 180.332+/-0.655 χ^2/NDF: 10543.5/36

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

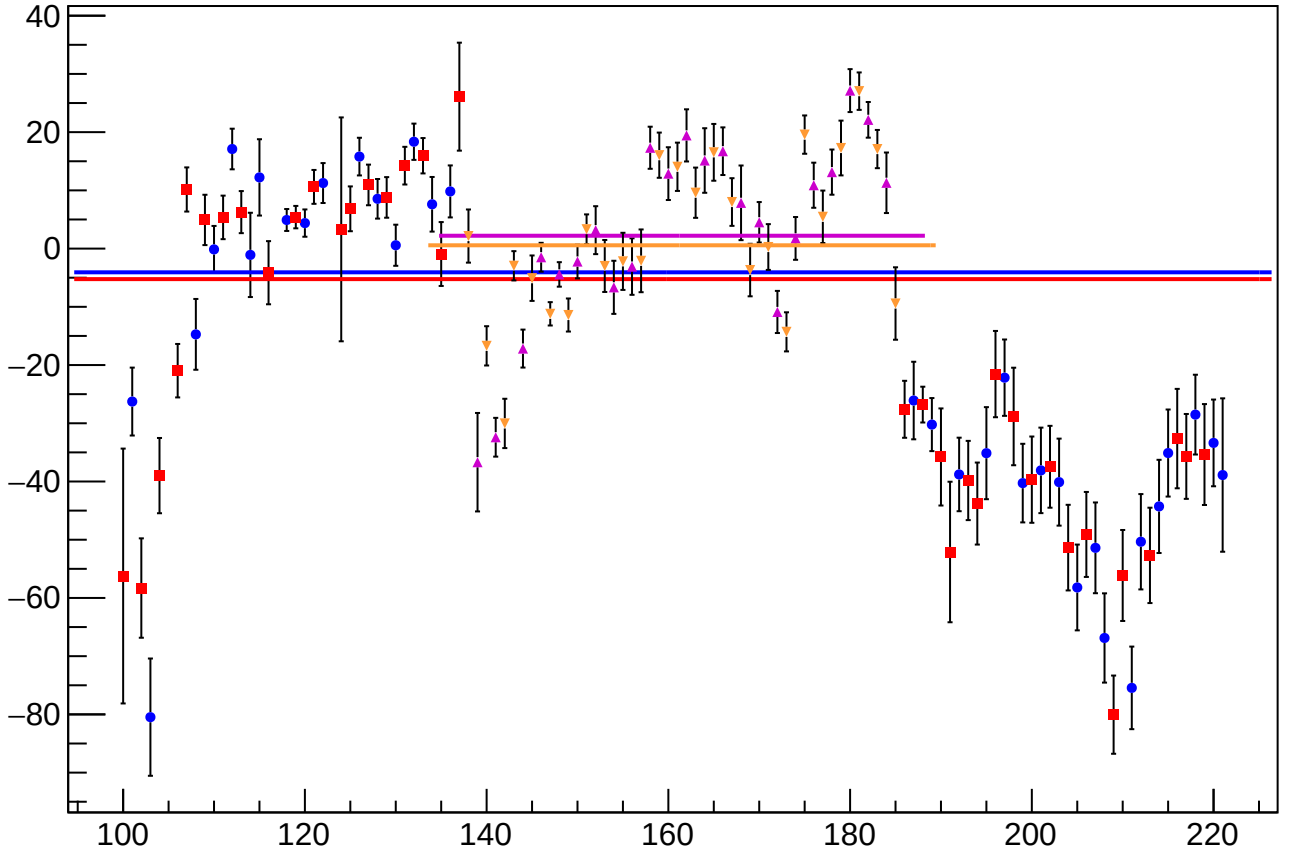
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 182.106+/-0.473 χ^2/NDF: 17145.6/70

In: 196.084+/-0.565 χ^2/NDF:9546.7/56

Out: 187.757+/-0.540 χ^2/NDF:16434.6/61

All: 191.729+/-0.391 χ^2/NDF: 26094.7/118



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: -5.241+/-0.771 χ^2/NDF: 853.3/36

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

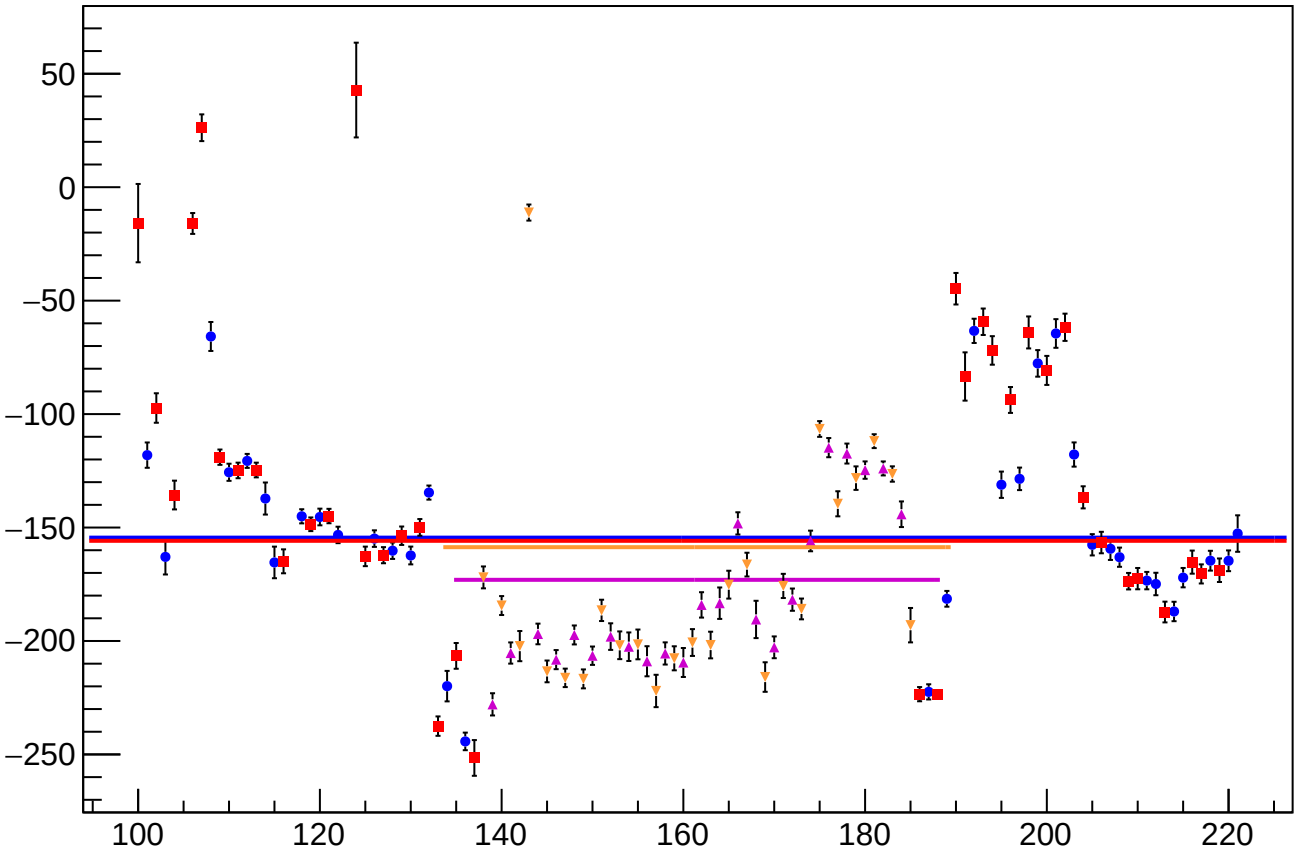
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -4.668+/-0.550 χ^2/NDF: 1690.0/70

In: -0.829+/-0.546 χ^2/NDF:1226.8/56

Out: -2.120+/-0.524 χ^2/NDF:1229.3/61

All: -1.501+/-0.378 χ^2/NDF: 2459.0/118



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: -155.848+/-0.705 χ^2/NDF: 6536.4/36

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

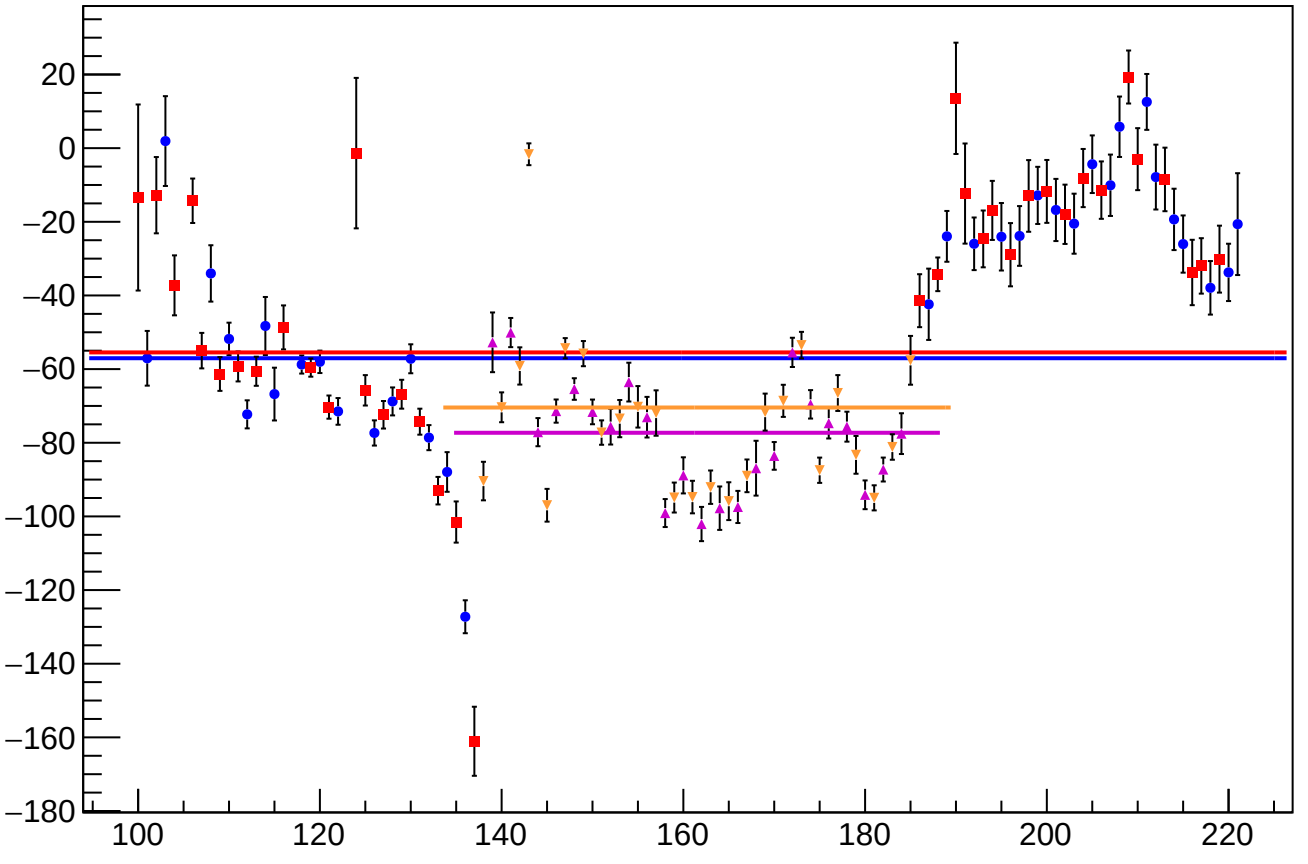
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -155.188+/-0.513 χ^2/NDF: 9017.2/70

In: -161.142+/-0.597 χ^2/NDF:4102.2/56

Out: -156.845+/-0.566 χ^2/NDF:10033.8/61

All: -158.878+/-0.411 χ^2/NDF: 14163.2/118



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: -55.467+/-0.899 χ^2/NDF: 907.6/36

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

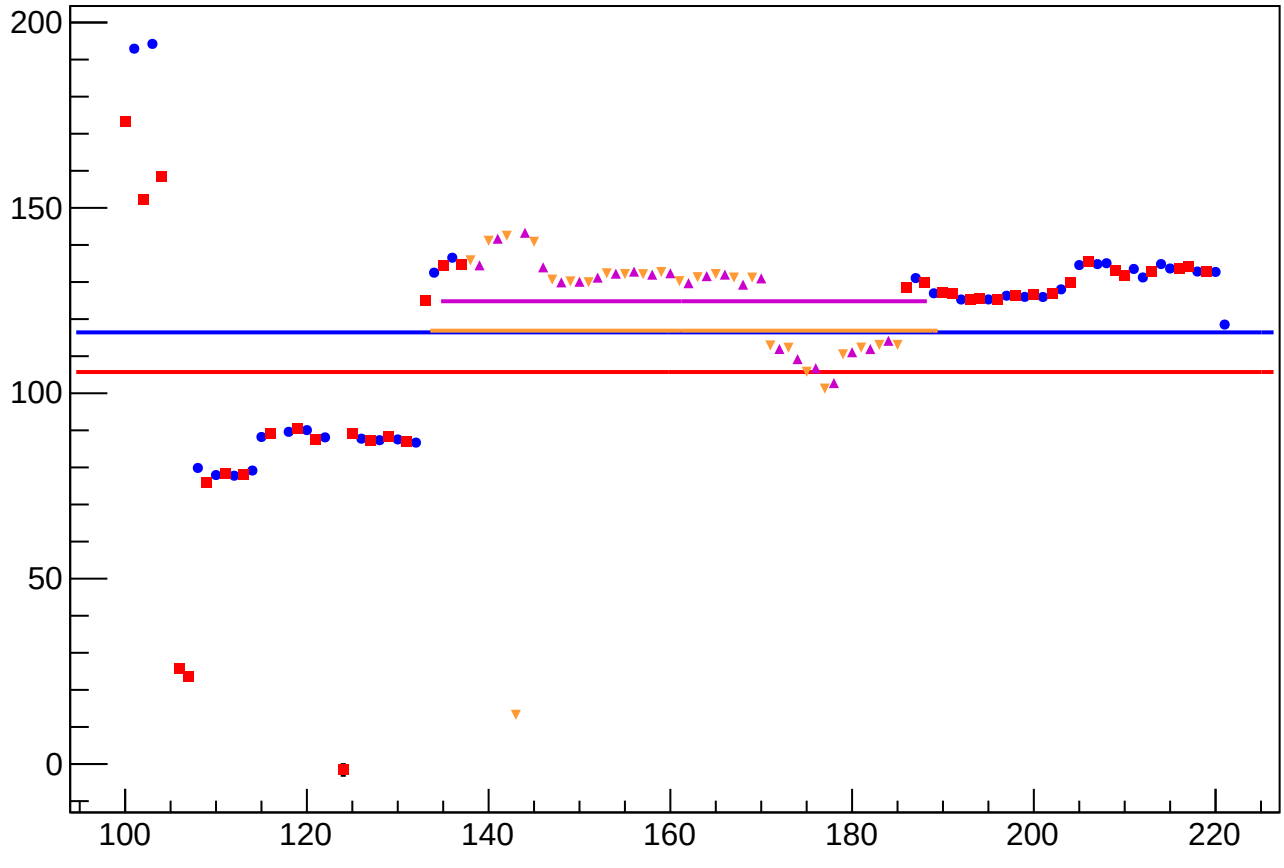
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -56.247+/-0.639 χ^2/NDF: 1802.3/70

In: -67.668+/-0.627 χ^2/NDF:1407.2/56

Out: -63.618+/-0.606 χ^2/NDF:1960.3/61

All: -65.575+/-0.436 χ^2/NDF: 3389.1/118



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: 105.730+/-0.049 χ^2/NDF: 547640.8/36

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

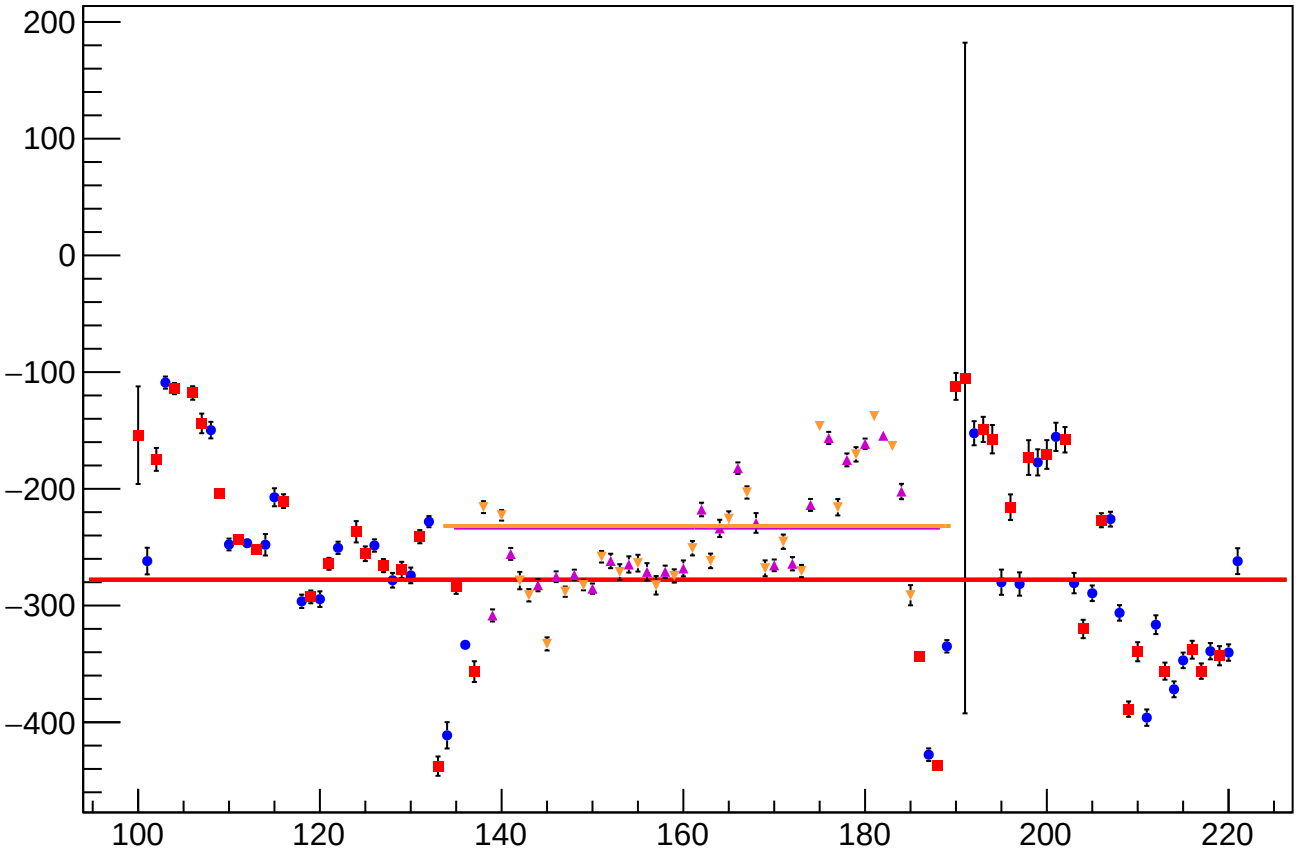
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.772+/-0.036 χ^2/NDF: 862359.8/70

In: 121.756+/-0.031 χ^2/NDF:397020.1/56

Out: 112.681+/-0.030 χ^2/NDF:1203017.8/61

All: 117.032+/-0.022 χ^2/NDF: 1643675.2/118



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: -278.007+/-1.026 χ^2/NDF: 8317.7/36

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

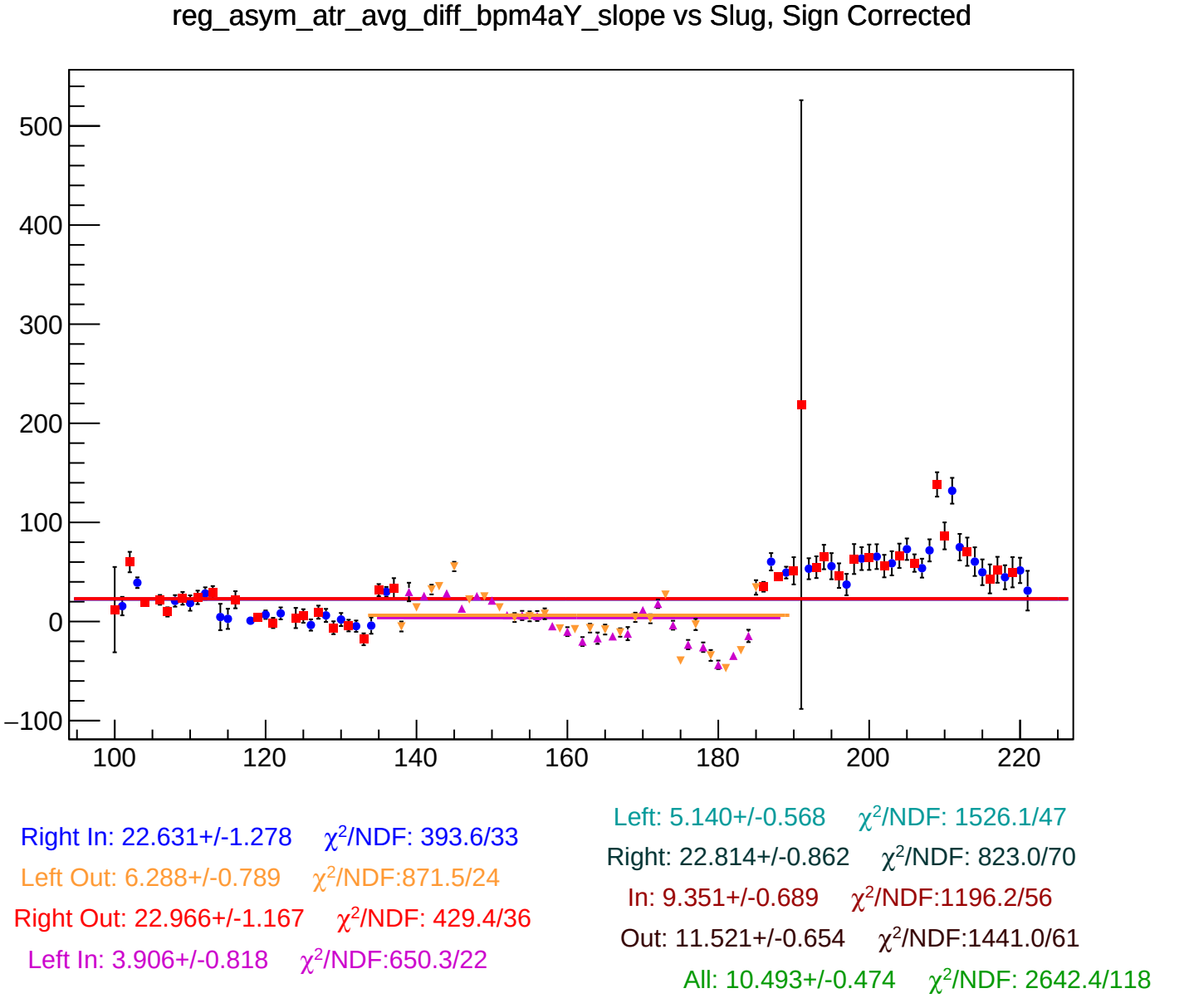
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

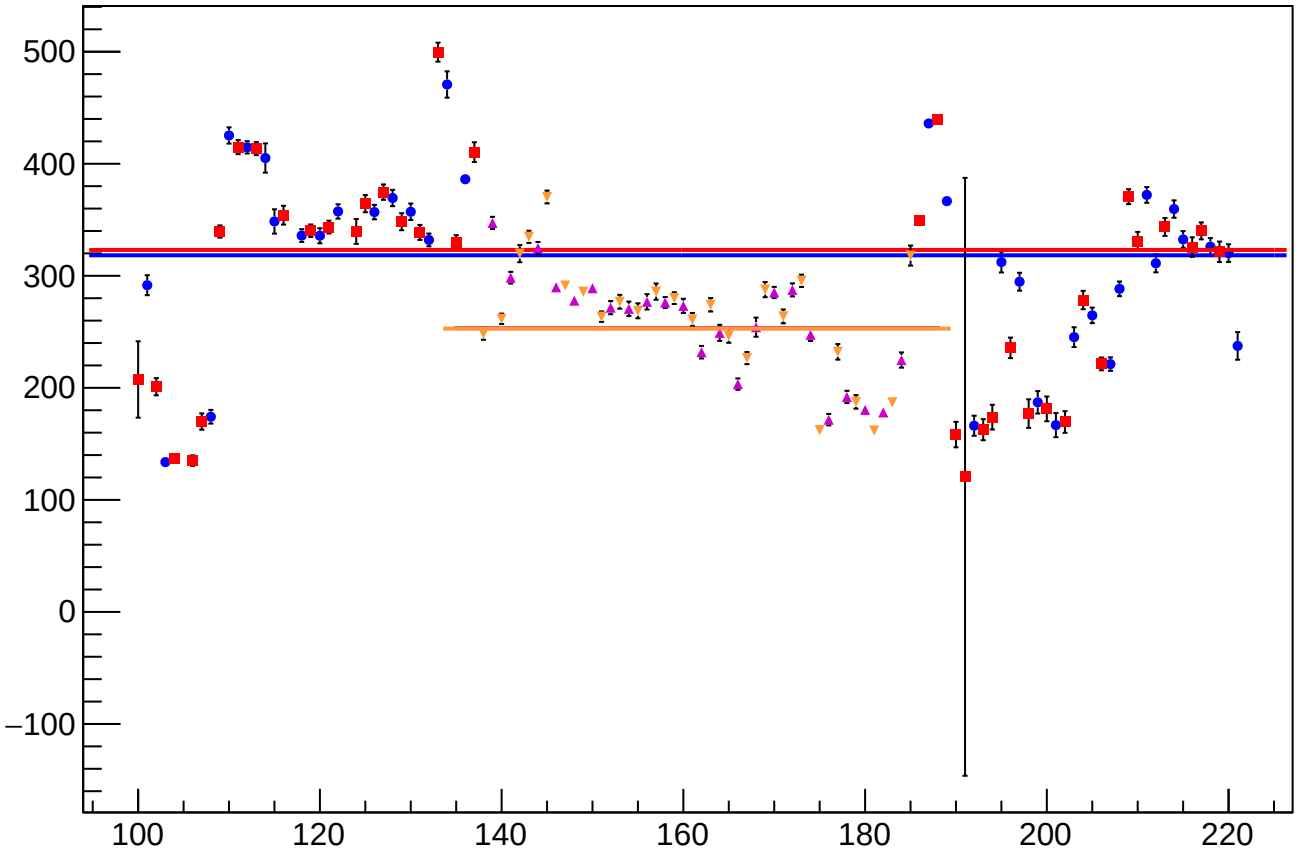
Right: -277.889+/-0.755 χ^2/NDF: 12469.6/70

In: -255.392+/-0.785 χ^2/NDF:7021.5/56

Out: -256.109+/-0.744 χ^2/NDF:11954.2/61

All: -255.770+/-0.540 χ^2/NDF: 18976.2/118


reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
500
400
300
200
100
0
−100
100
120
140
160
180
200
220
Right In: 22.631+/-1.278 χ²/NDF: 393.6/33
Left Out: 6.288+/-0.789 χ²/NDF:871.5/24
Right Out: 22.966+/-1.167 χ²/NDF: 429.4/36
Left In: 3.906+/-0.818 χ²/NDF:650.3/22
Left: 5.140+/-0.568 χ²/NDF: 1526.1/47
Right: 22.814+/-0.862 χ²/NDF: 823.0/70
In: 9.351+/-0.689 χ²/NDF:1196.2/56
Out: 11.521+/-0.654 χ²/NDF:1441.0/61
All: 10.493+/-0.474 χ²/NDF: 2642.4/118



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: 323.067+/-1.030 χ^2/NDF: 10158.8/36

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

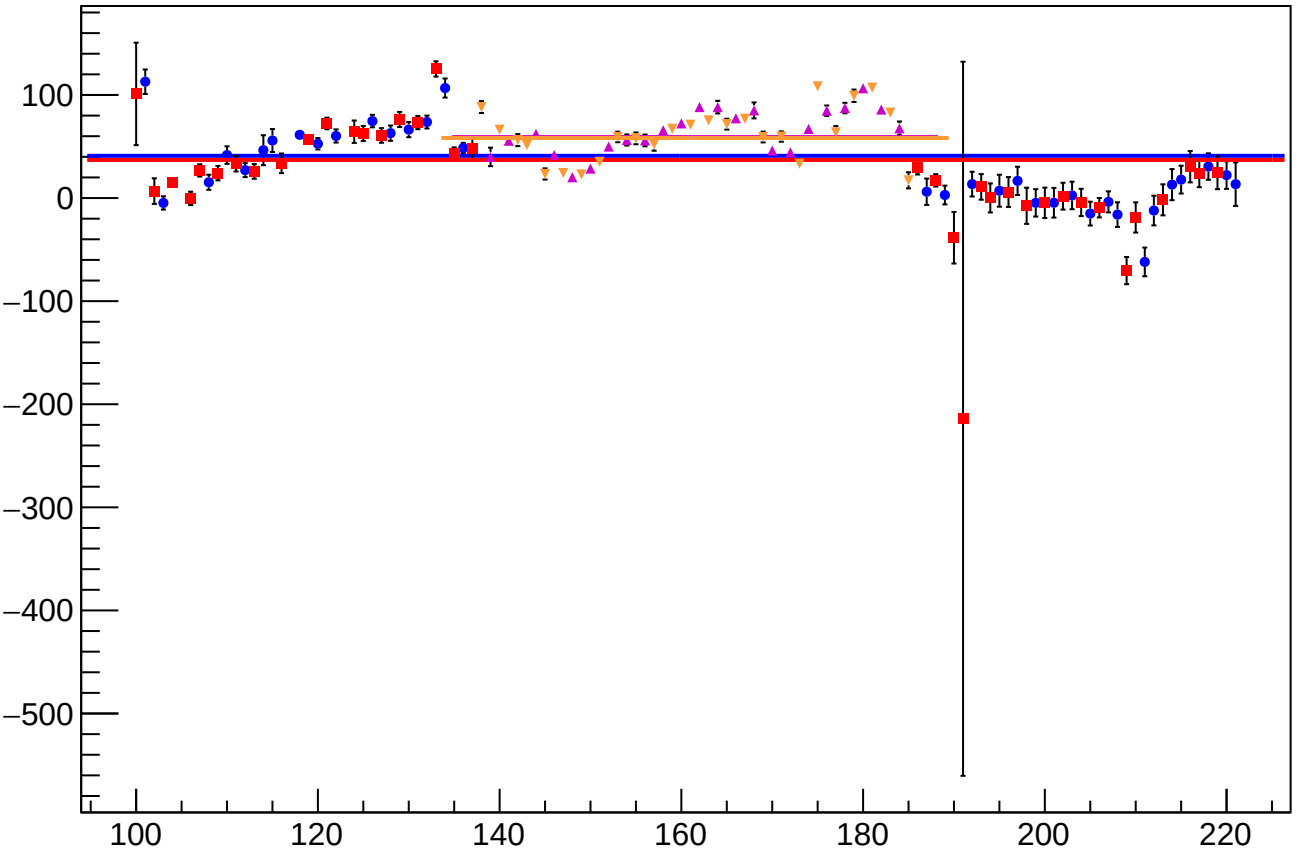
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 320.953+/-0.768 χ^2/NDF: 15990.1/70

In: 284.033+/-0.794 χ^2/NDF:9556.6/56

Out: 289.335+/-0.742 χ^2/NDF:14970.1/61

All: 286.861+/-0.542 χ^2/NDF: 24550.5/118



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: 37.008+/-1.390 χ^2/NDF: 544.4/36

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

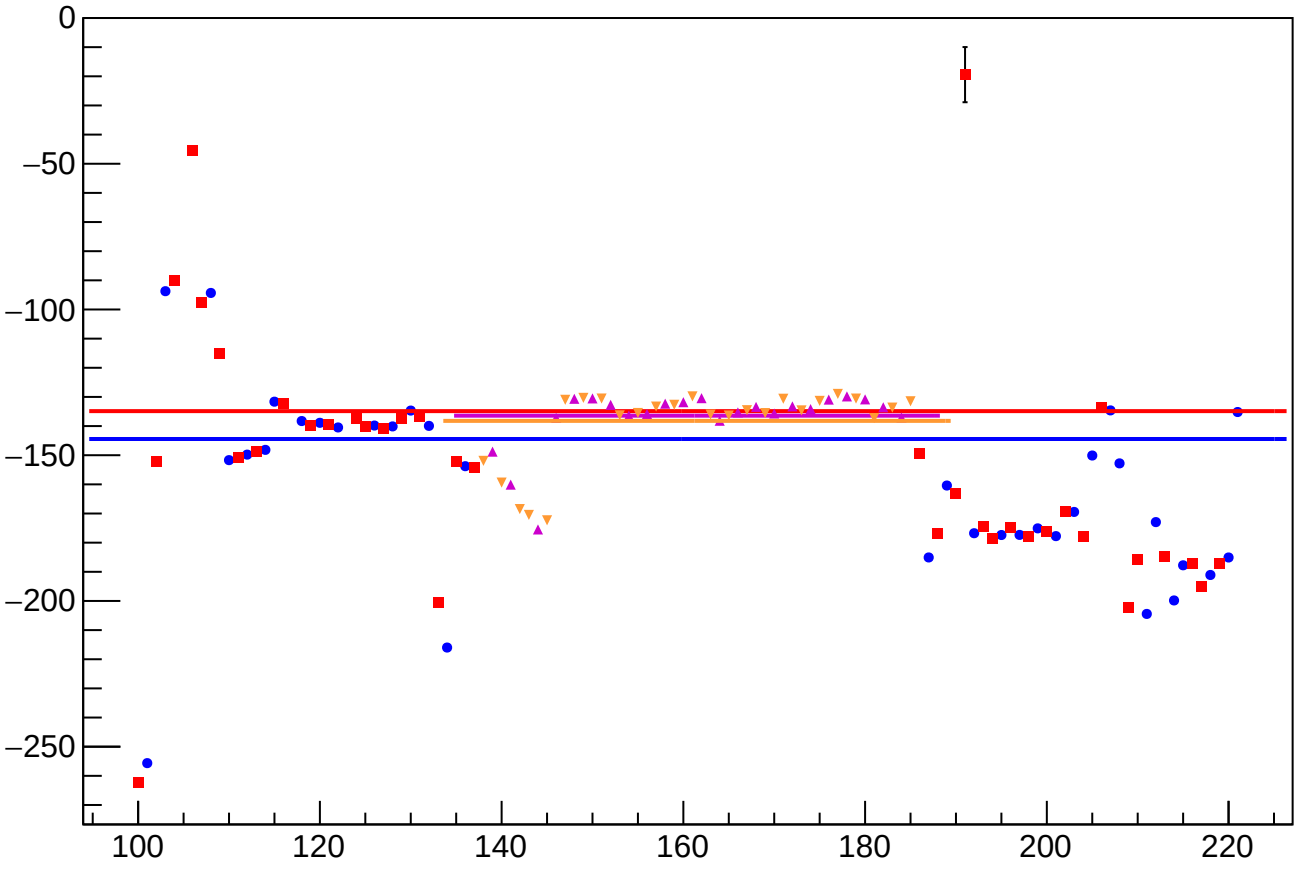
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 38.864+/-1.014 χ^2/NDF: 1032.0/70

In: 53.952+/-0.793 χ^2/NDF:1223.5/56

Out: 51.901+/-0.762 χ^2/NDF:1558.8/61

All: 52.886+/-0.549 χ^2/NDF: 2785.9/118



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: -134.872+/-0.070 χ^2/NDF: 369032.7/36

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

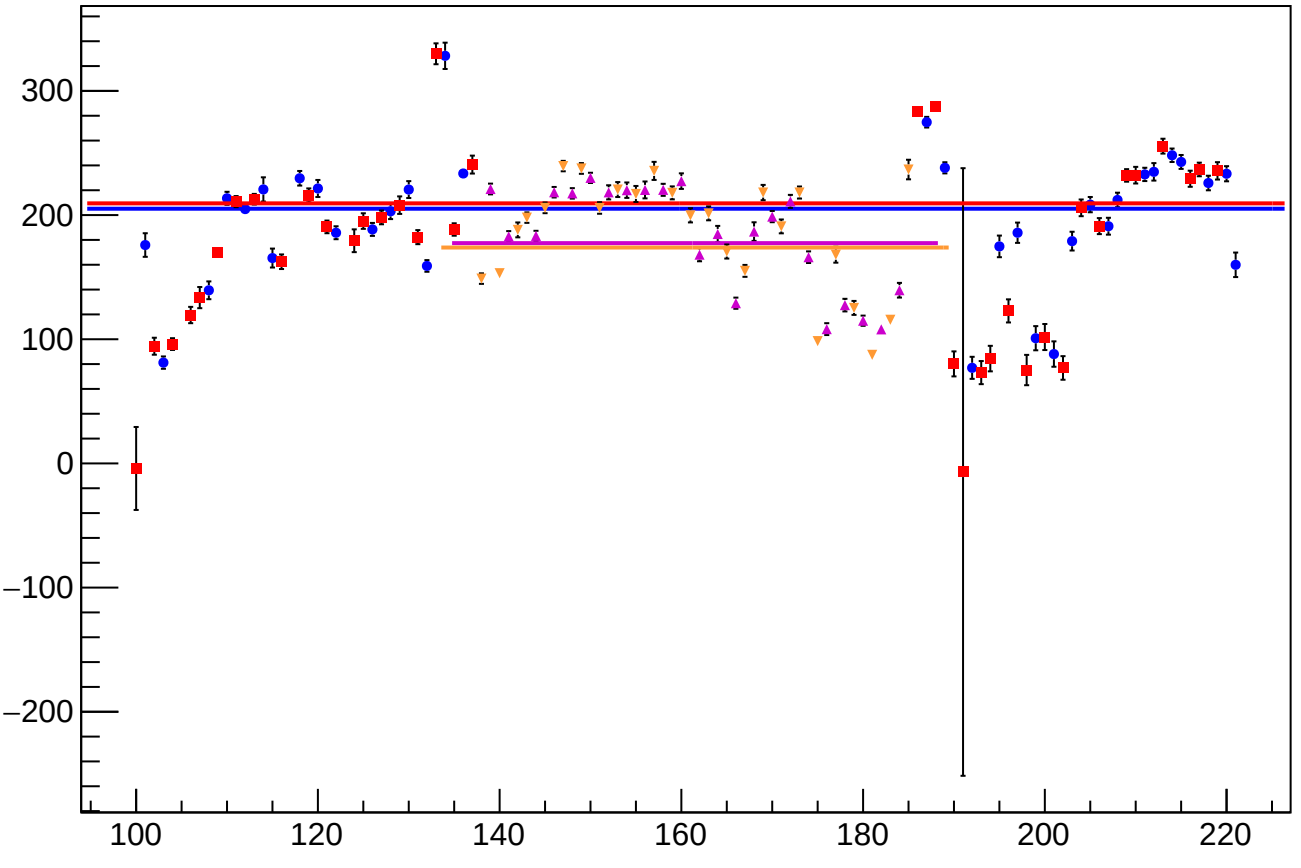
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -139.428+/-0.050 χ^2/NDF: 640218.5/70

In: -138.484+/-0.037 χ^2/NDF:320935.0/56

Out: -137.309+/-0.036 χ^2/NDF:452544.8/61

All: -137.885+/-0.026 χ^2/NDF: 773994.9/118



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: 209.435+/-0.946 χ^2/NDF: 4358.8/36

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

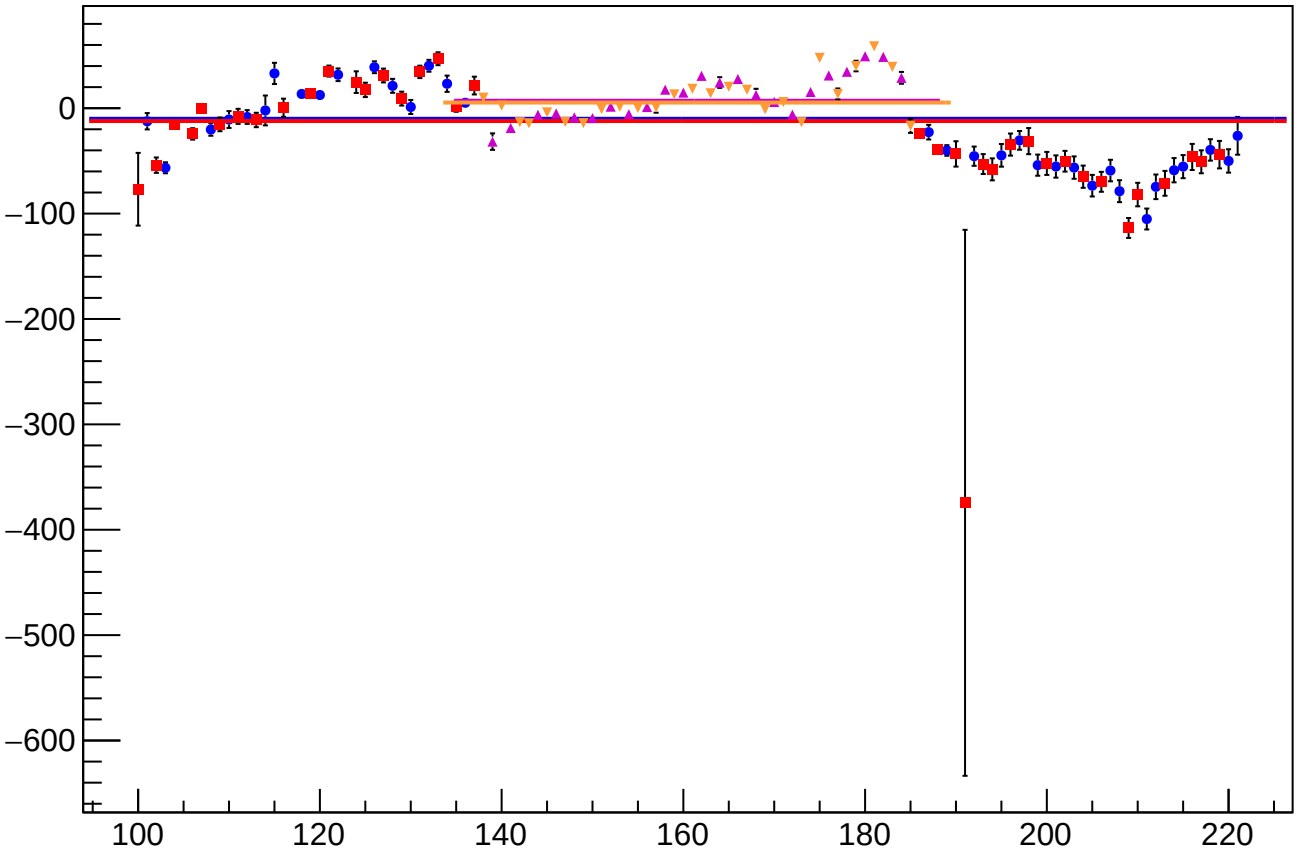
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 207.448+/-0.695 χ^2/NDF: 6479.1/70

In: 190.859+/-0.714 χ^2/NDF:4450.1/56

Out: 191.941+/-0.675 χ^2/NDF:7681.1/61

All: 191.431+/-0.490 χ^2/NDF: 12132.4/118



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: -12.163+/-1.104 χ^2/NDF: 877.9/36

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

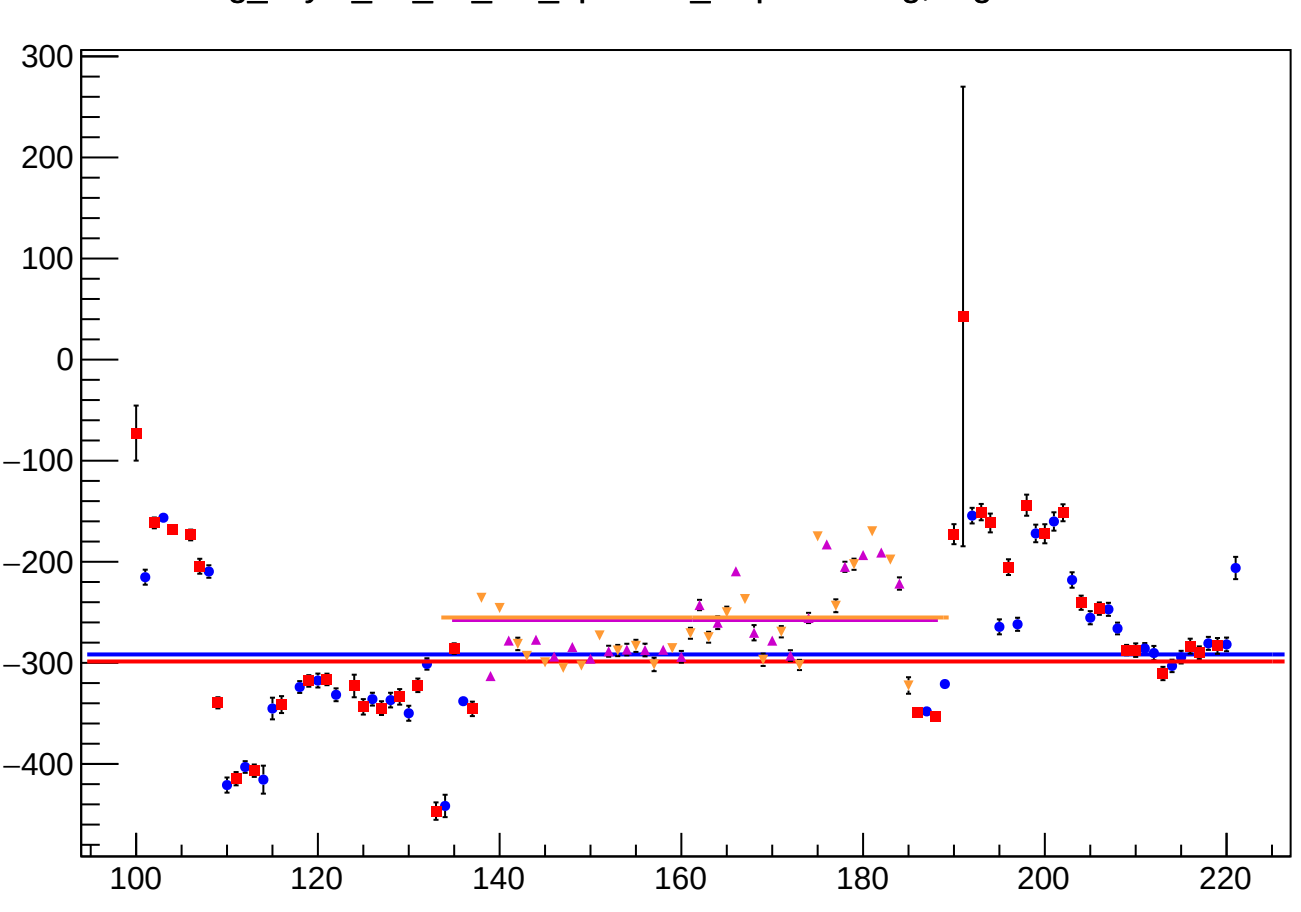
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -11.209+/-0.815 χ^2/NDF: 1723.6/70

In: 2.382+/-0.632 χ^2/NDF:1699.5/56

Out: 0.232+/-0.597 χ^2/NDF:1866.0/61

All: 1.247+/-0.434 χ^2/NDF: 3571.6/118



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: -298.629+/-0.928 χ^2/NDF: 6725.0/36

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

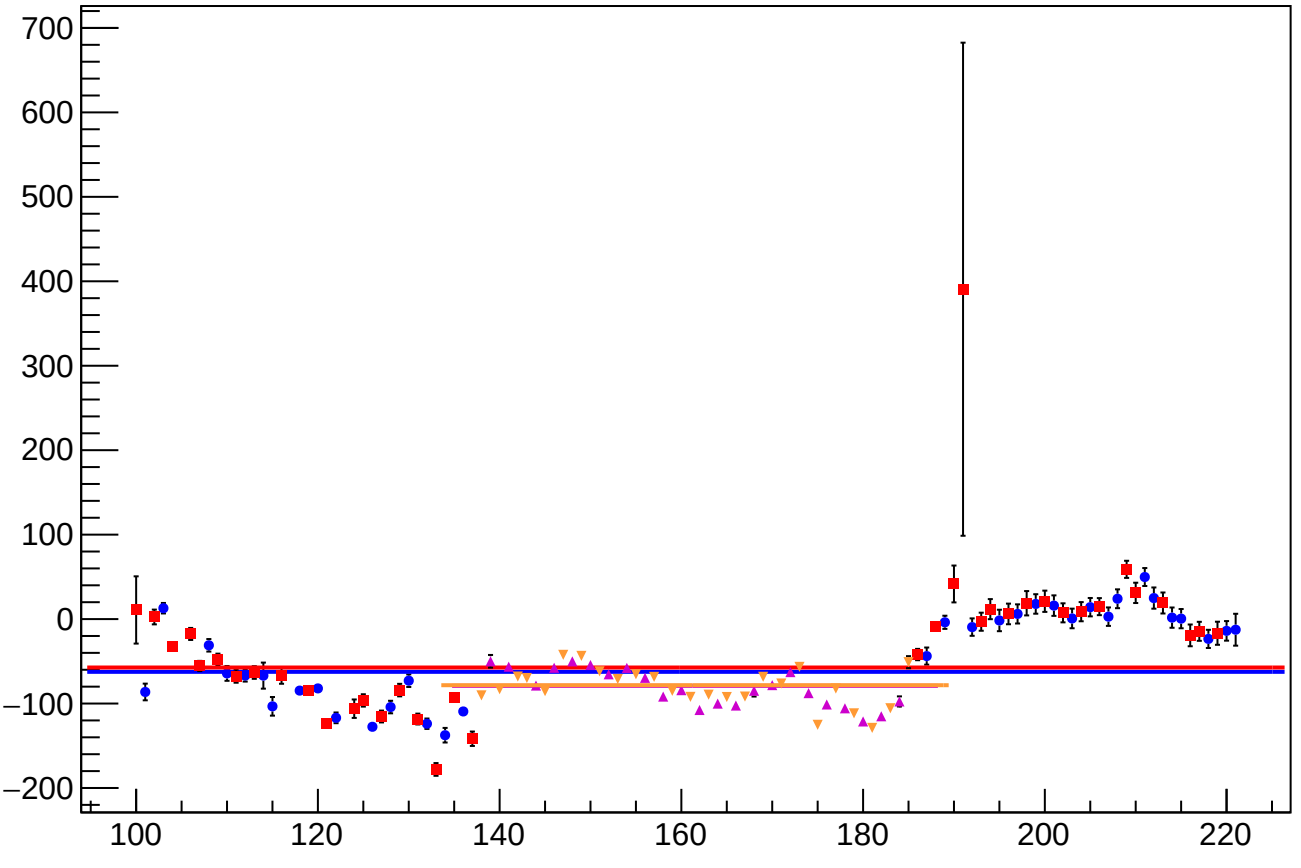
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -295.556+/-0.693 χ^2/NDF: 10922.7/70

In: -273.654+/-0.716 χ^2/NDF:6544.9/56

Out: -277.533+/-0.666 χ^2/NDF:10136.0/61

All: -275.734+/-0.488 χ^2/NDF: 16696.7/118



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: -57.327+/-1.319 χ^2/NDF: 1561.4/36

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

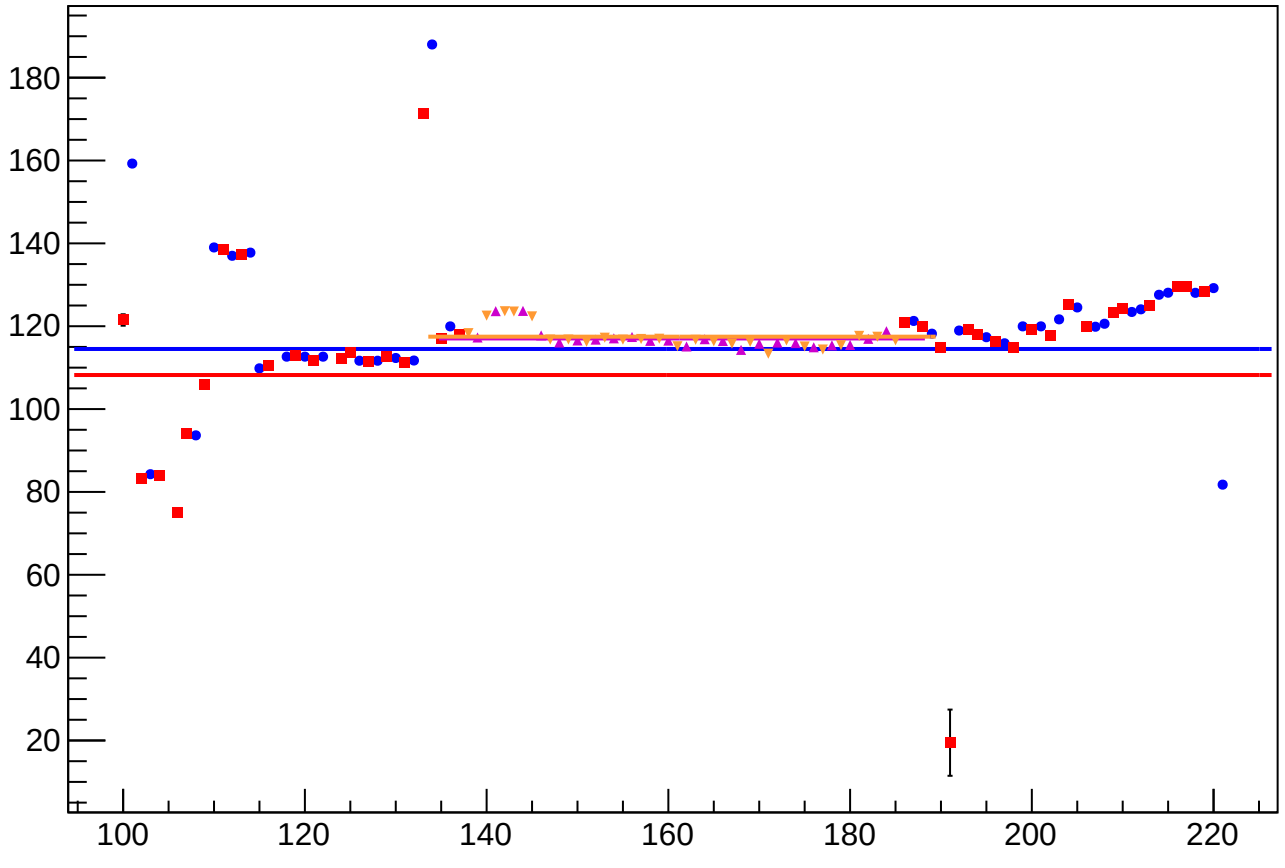
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -59.739+/-0.960 χ^2/NDF: 2989.0/70

In: -74.604+/-0.726 χ^2/NDF:2226.0/56

Out: -72.459+/-0.696 χ^2/NDF:2612.0/61

All: -73.485+/-0.502 χ^2/NDF: 4842.6/118



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: 108.221+/-0.064 χ^2/NDF: 84438.0/36

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

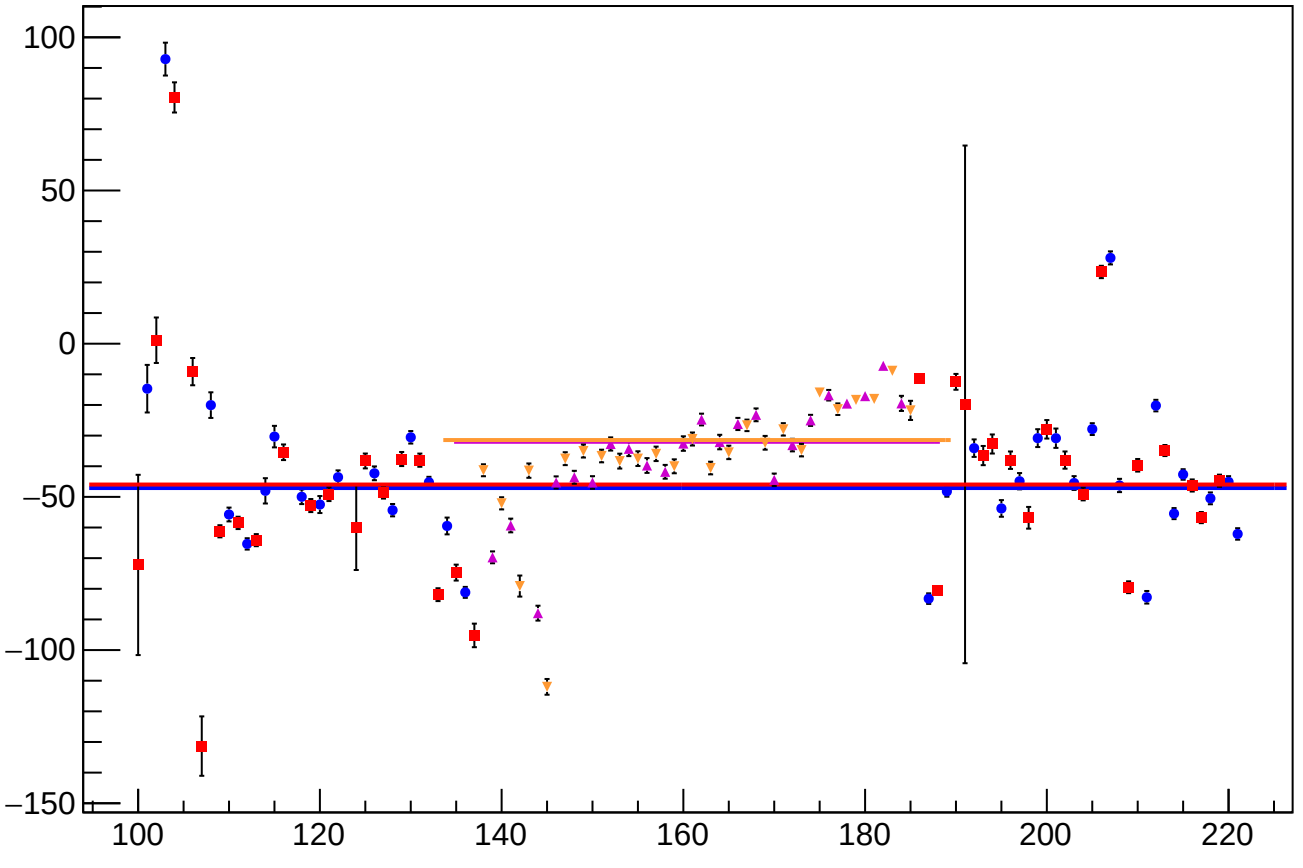
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 111.207+/-0.046 χ^2/NDF: 179864.2/70

In: 116.413+/-0.033 χ^2/NDF:95218.8/56

Out: 115.046+/-0.033 χ^2/NDF:104754.5/61

All: 115.712+/-0.023 χ^2/NDF: 200828.9/118



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: -45.970+/-0.365 χ^2/NDF: 5779.5/36

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

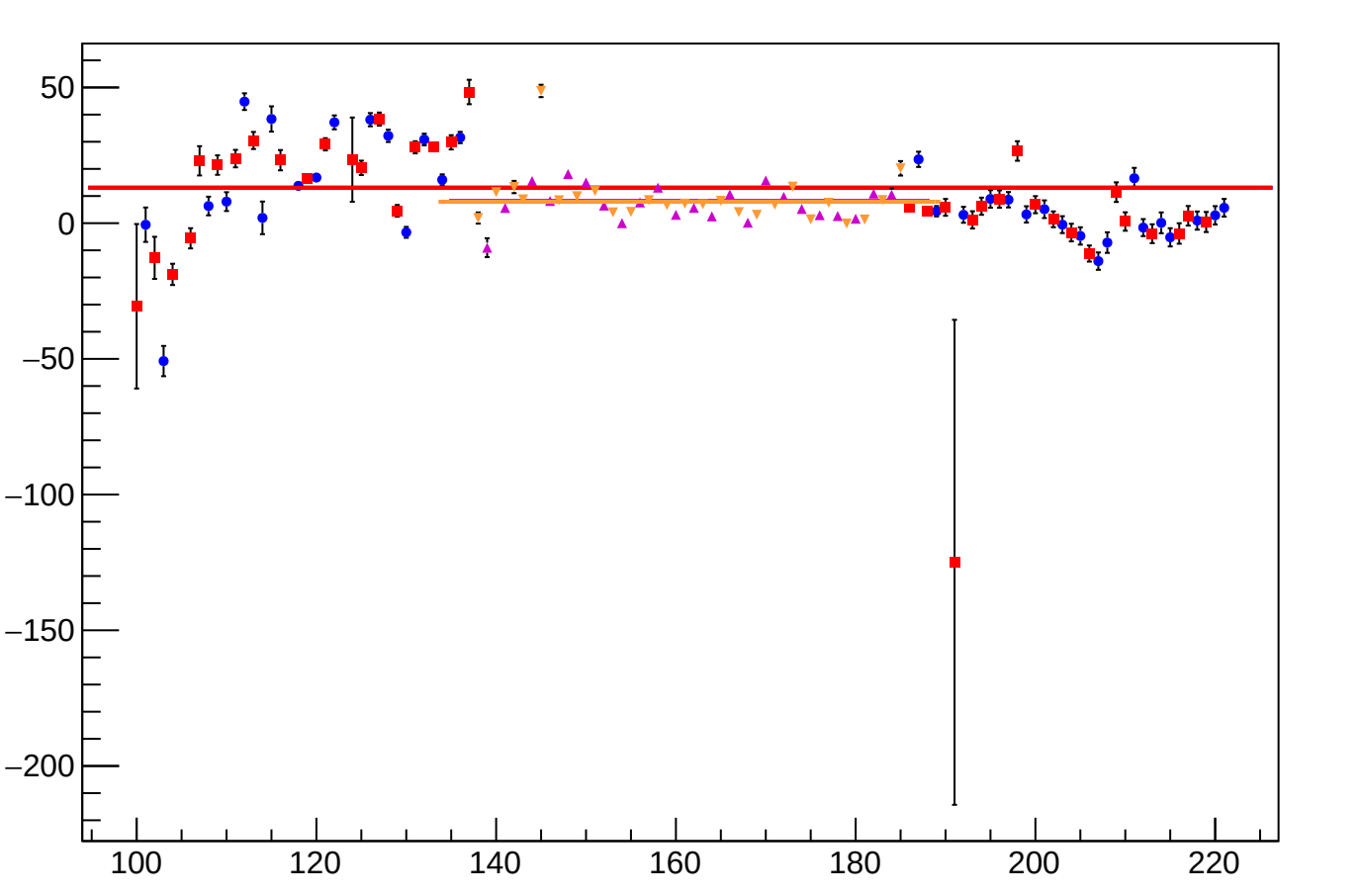
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.516+/-0.264 χ^2/NDF: 9598.5/70

In: -40.093+/-0.279 χ^2/NDF:6456.5/56

Out: -39.363+/-0.269 χ^2/NDF:8493.5/61

All: -39.715+/-0.194 χ^2/NDF: 14953.6/118



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: 13.045+/-0.444 χ^2/NDF: 896.3/36

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

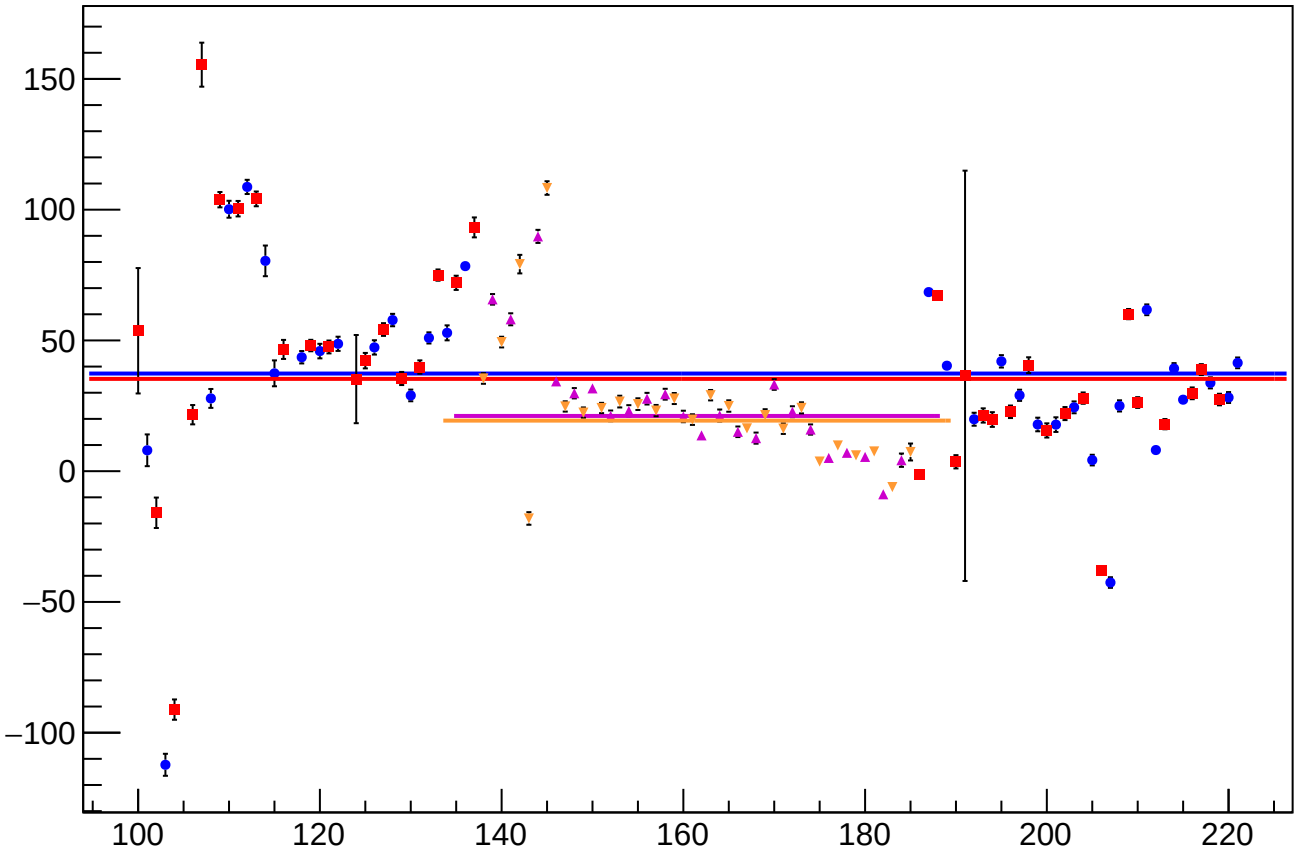
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 13.070+/-0.322 χ^2/NDF: 1970.6/70

In: 9.748+/-0.262 χ^2/NDF:1487.8/56

Out: 9.539+/-0.251 χ^2/NDF:1478.4/61

All: 9.639+/-0.181 χ^2/NDF: 2966.5/118



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: 35.296+/-0.357 χ^2/NDF: 9388.5/36

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

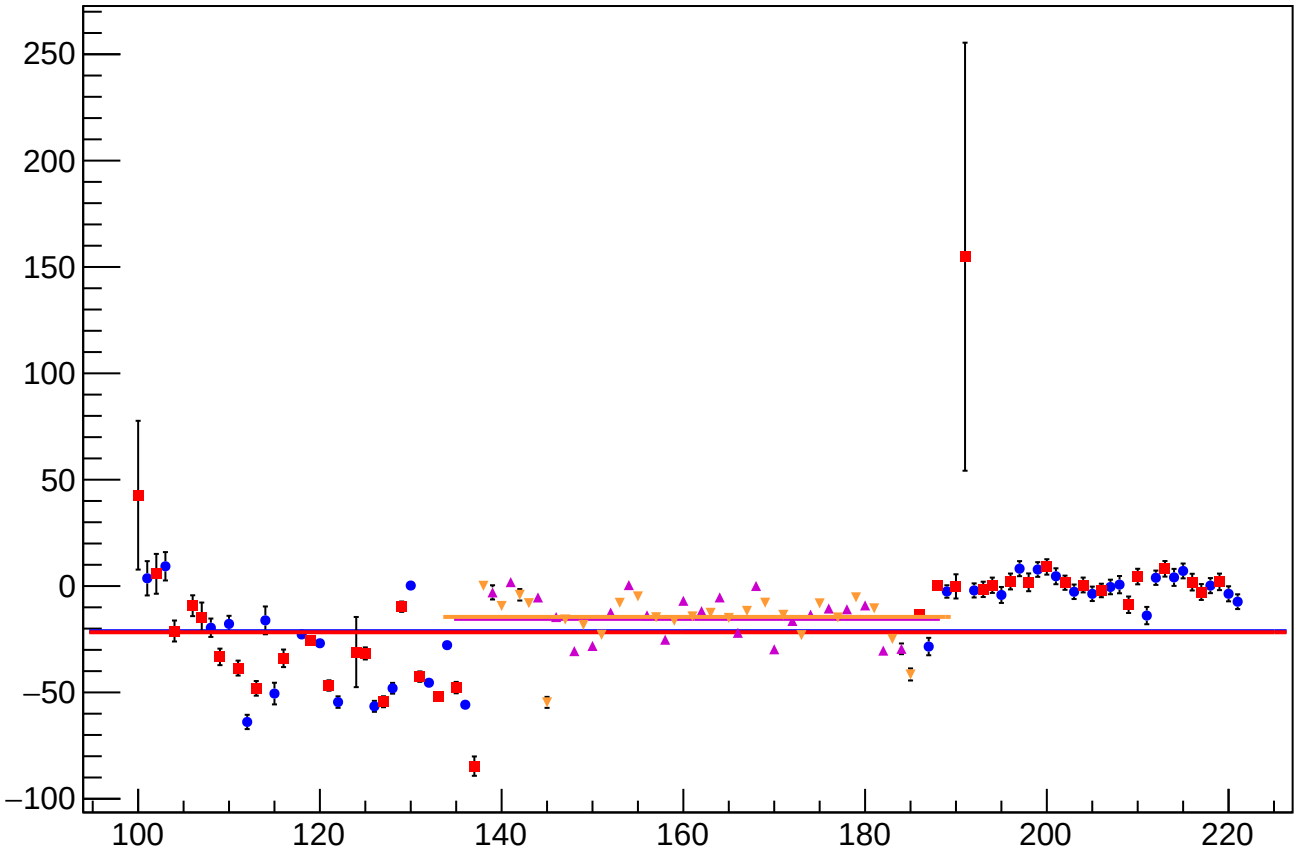
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.218+/-0.265 χ^2/NDF: 15516.8/70

In: 29.462+/-0.282 χ^2/NDF:9443.4/56

Out: 28.124+/-0.265 χ^2/NDF:12966.7/61

All: 28.752+/-0.193 χ^2/NDF: 22422.0/118



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: -21.715+/-0.530 χ^2/NDF: 1761.5/36

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

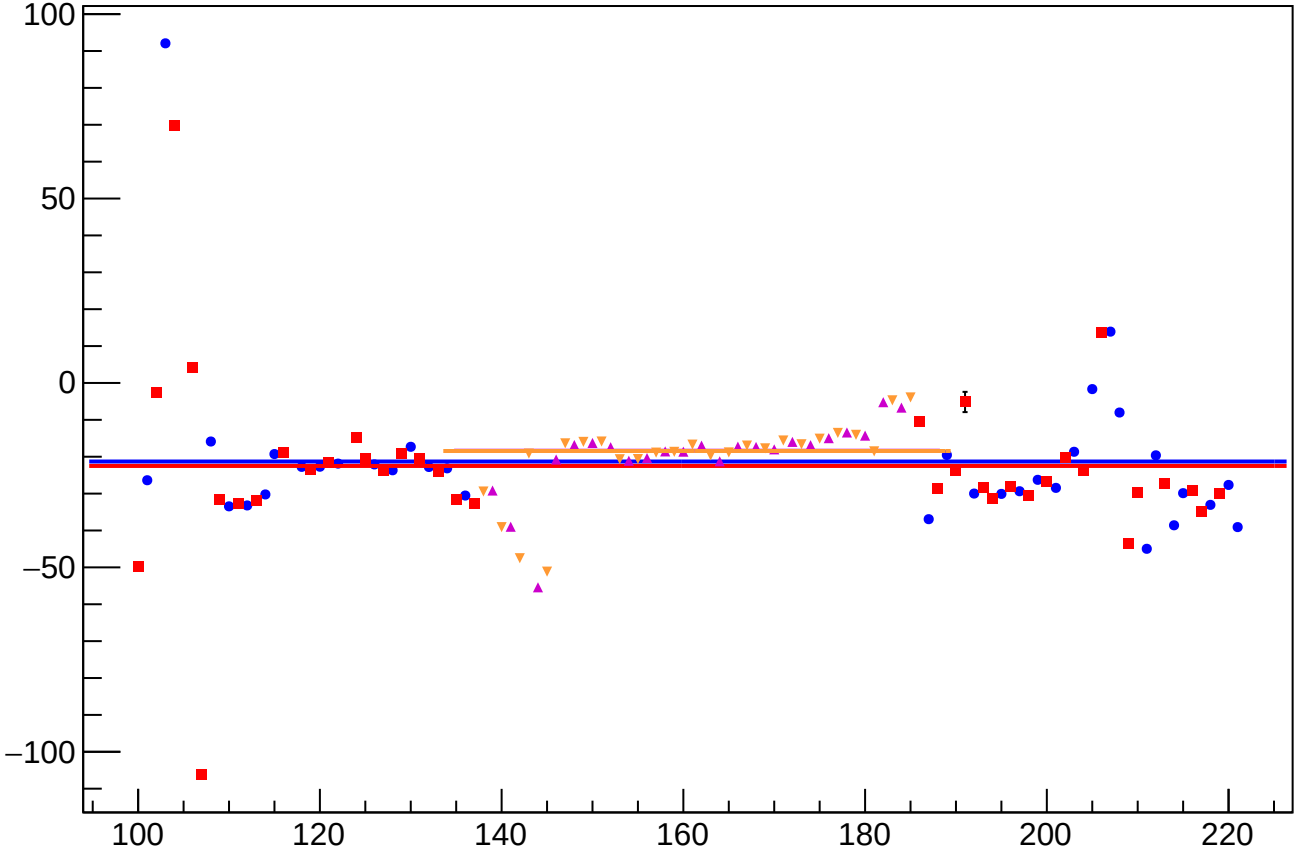
Right: -21.469+/-0.377 χ^2/NDF: 3576.9/70

In: -17.183+/-0.296 χ^2/NDF:2694.8/56

Out: -16.638+/-0.289 χ^2/NDF:2532.7/61

All: -16.903+/-0.207 χ^2/NDF: 5229.2/118

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -22.502+/-0.026 χ^2/NDF: 489082.2/36

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

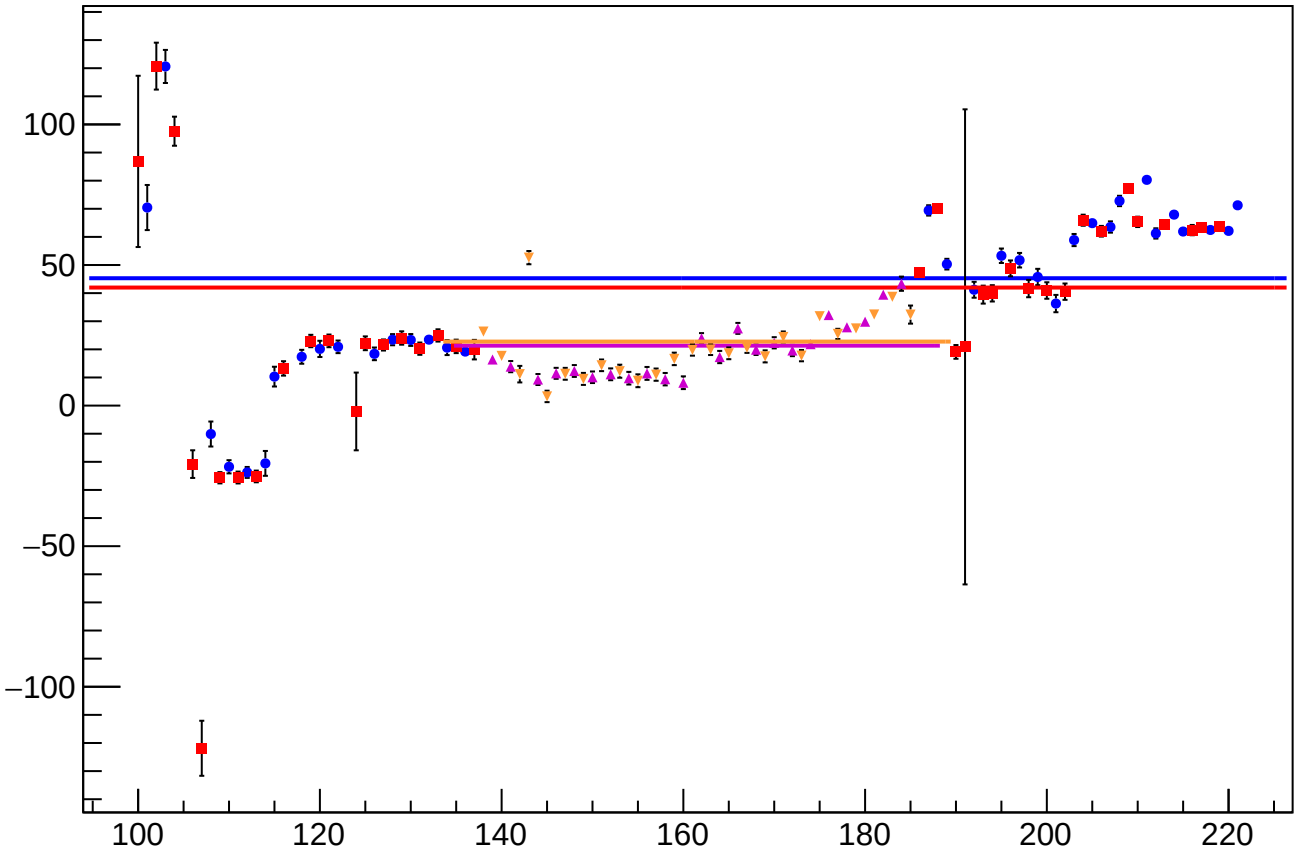
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.898+/-0.019 χ^2/NDF: 1084171.8/70

In: -19.145+/-0.014 χ^2/NDF:853119.8/56

Out: -19.483+/-0.013 χ^2/NDF:801921.2/61

All: -19.316+/-0.010 χ^2/NDF: 1655357.1/118



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: 41.983+/-0.363 χ^2/NDF: 6973.9/36

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

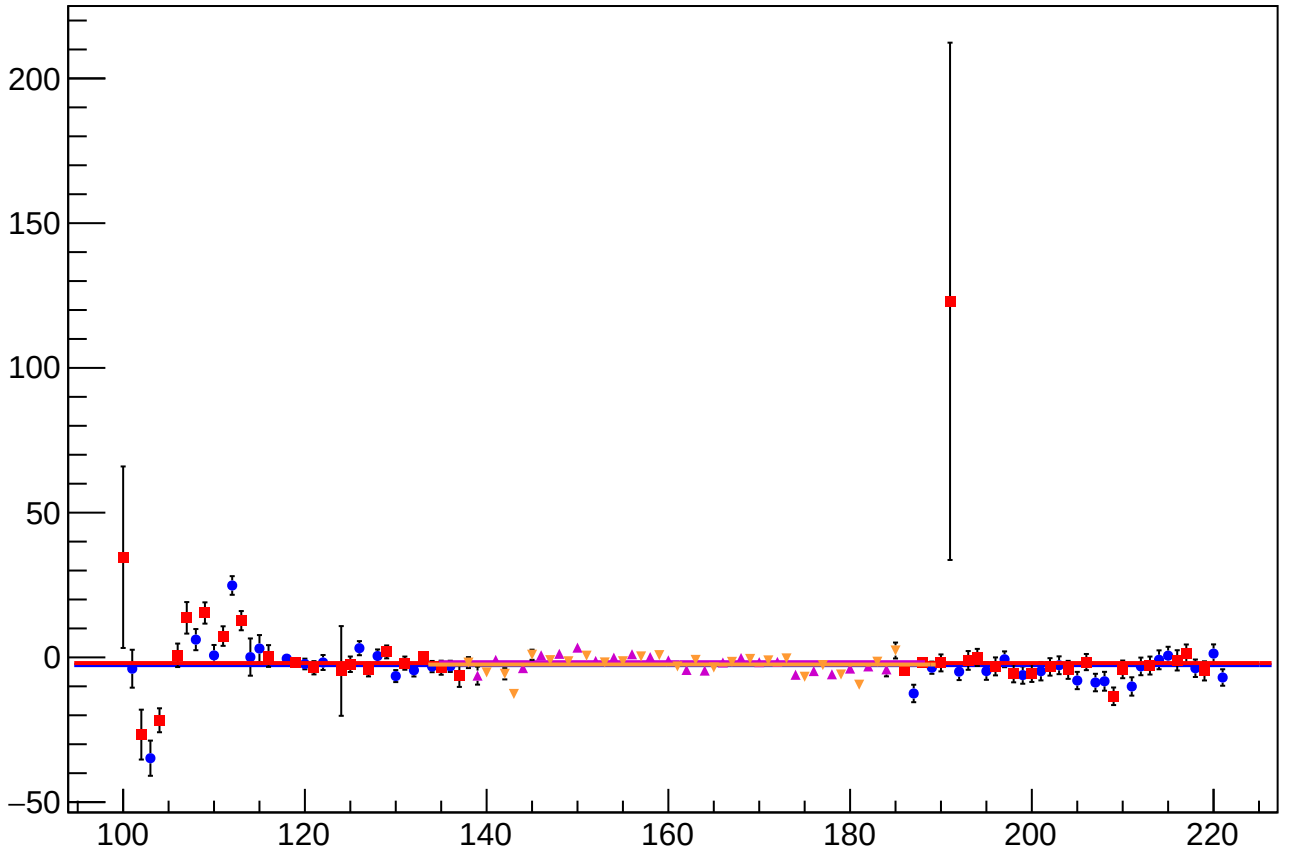
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 43.626+/-0.258 χ^2/NDF: 12851.9/70

In: 34.135+/-0.268 χ^2/NDF:8457.4/56

Out: 32.871+/-0.263 χ^2/NDF:9023.2/61

All: 33.492+/-0.188 χ^2/NDF: 17491.9/118



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: -1.959+/-0.452 χ^2/NDF: 123.5/36

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

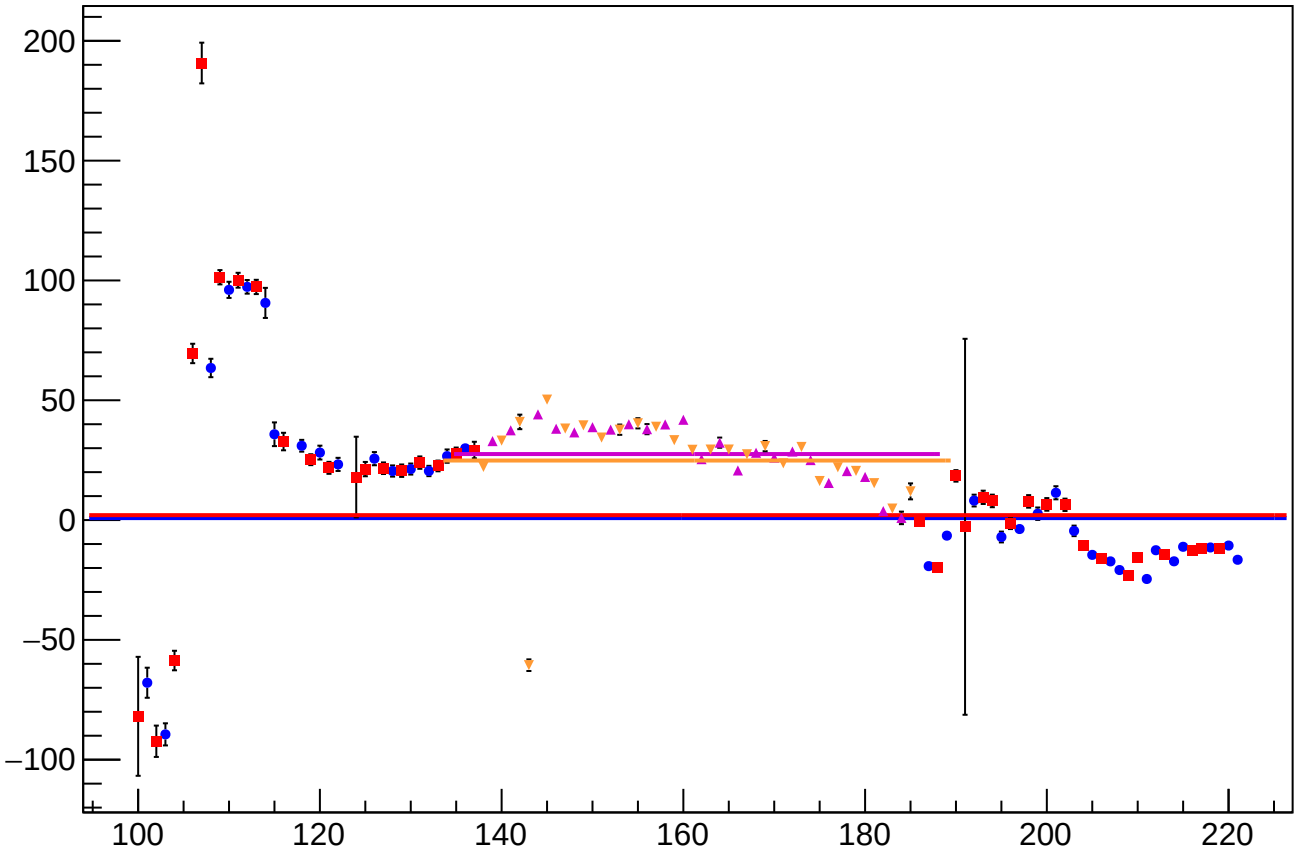
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.310+/-0.323 χ^2/NDF: 283.4/70

In: -1.966+/-0.254 χ^2/NDF:232.3/56

Out: -2.318+/-0.246 χ^2/NDF:241.1/61

All: -2.148+/-0.177 χ^2/NDF: 474.3/118



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: 2.050+/-0.363 χ^2/NDF: 6475.5/36

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

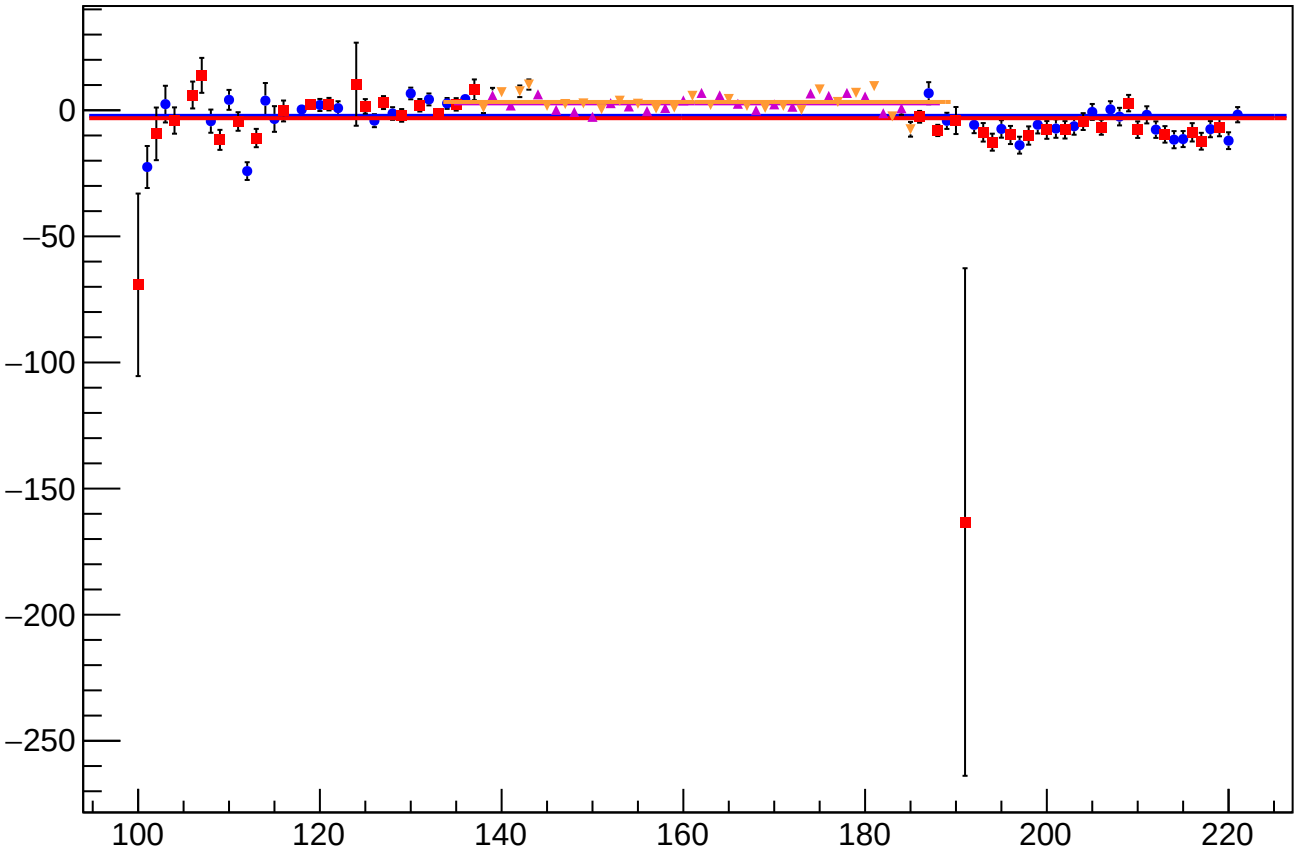
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 1.462+/-0.262 χ^2/NDF: 11597.4/70

In: 13.881+/-0.272 χ^2/NDF:8414.9/56

Out: 12.926+/-0.262 χ^2/NDF:10409.2/61

All: 13.386+/-0.189 χ^2/NDF: 18830.5/118



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: -3.153+/-0.532 χ^2/NDF: 112.7/36

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

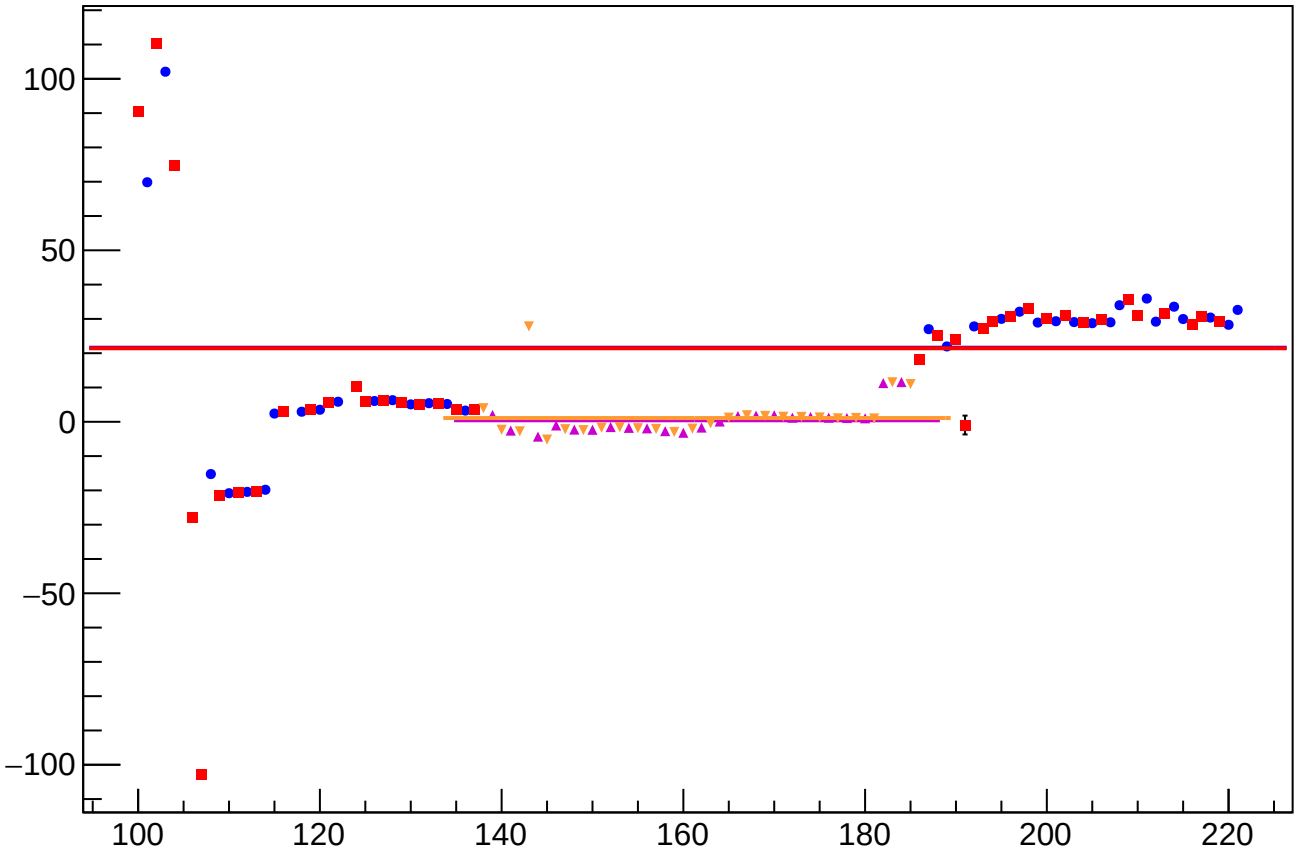
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.679+/-0.374 χ^2/NDF: 264.8/70

In: 1.258+/-0.287 χ^2/NDF:287.2/56

Out: 1.489+/-0.281 χ^2/NDF:324.4/61

All: 1.376+/-0.201 χ^2/NDF: 612.0/118



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: 21.442+/-0.026 χ^2/NDF: 647769.3/36

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

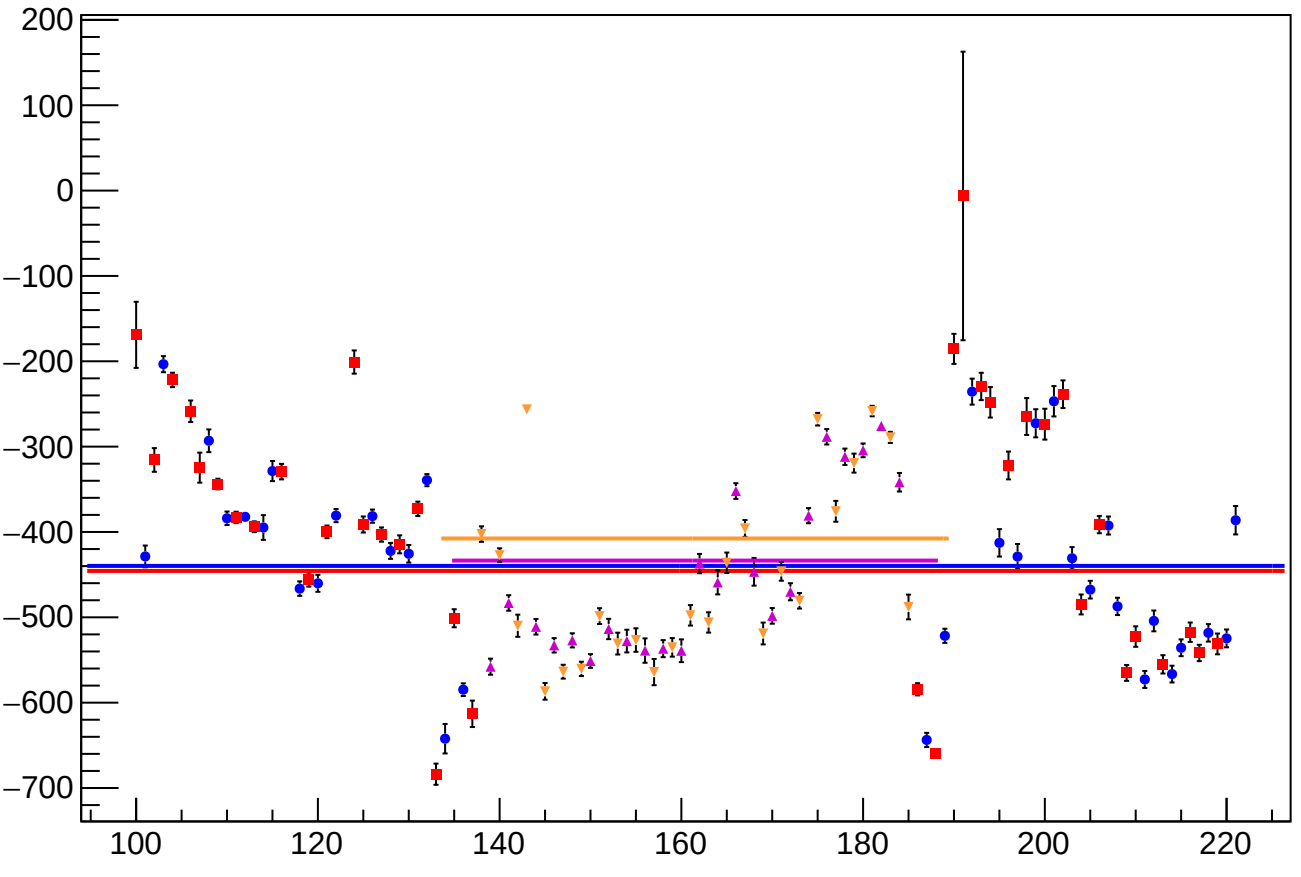
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 21.519+/-0.018 χ^2/NDF: 1160004.6/70

In: 5.928+/-0.013 χ^2/NDF:1075363.9/56

Out: 6.112+/-0.013 χ^2/NDF:1240303.2/61

All: 6.020+/-0.009 χ^2/NDF: 2315768.0/118



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: -445.669+/-1.610 χ^2/NDF: 6922.5/36

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

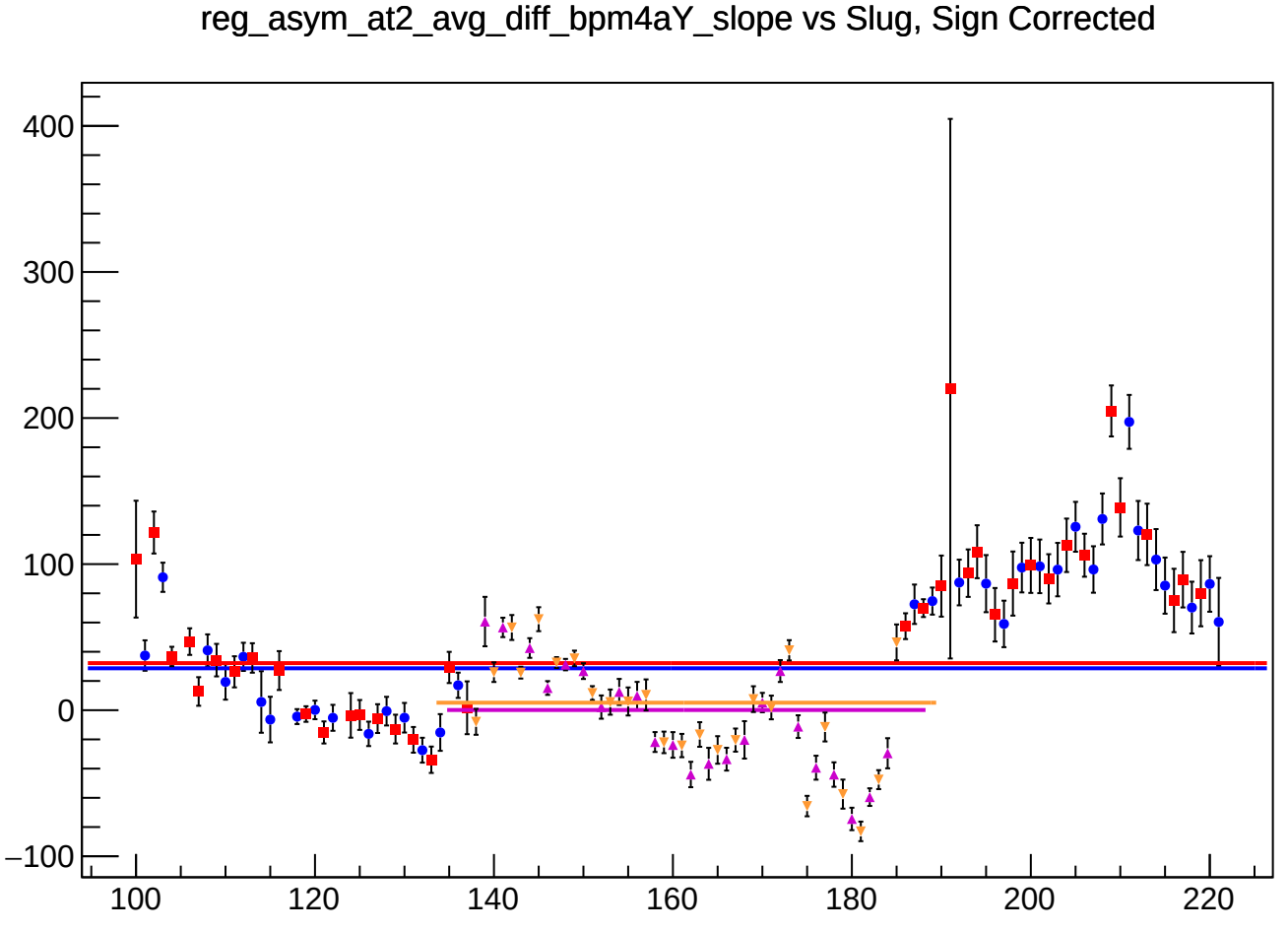
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -442.881+/-1.172 χ^2/NDF: 10535.8/70

In: -437.108+/-1.297 χ^2/NDF:6337.0/56

Out: -429.451+/-1.219 χ^2/NDF:11166.2/61

All: -433.043+/-0.889 χ^2/NDF: 17521.7/118



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: 32.213+/-1.857 χ^2/NDF: 602.8/36

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

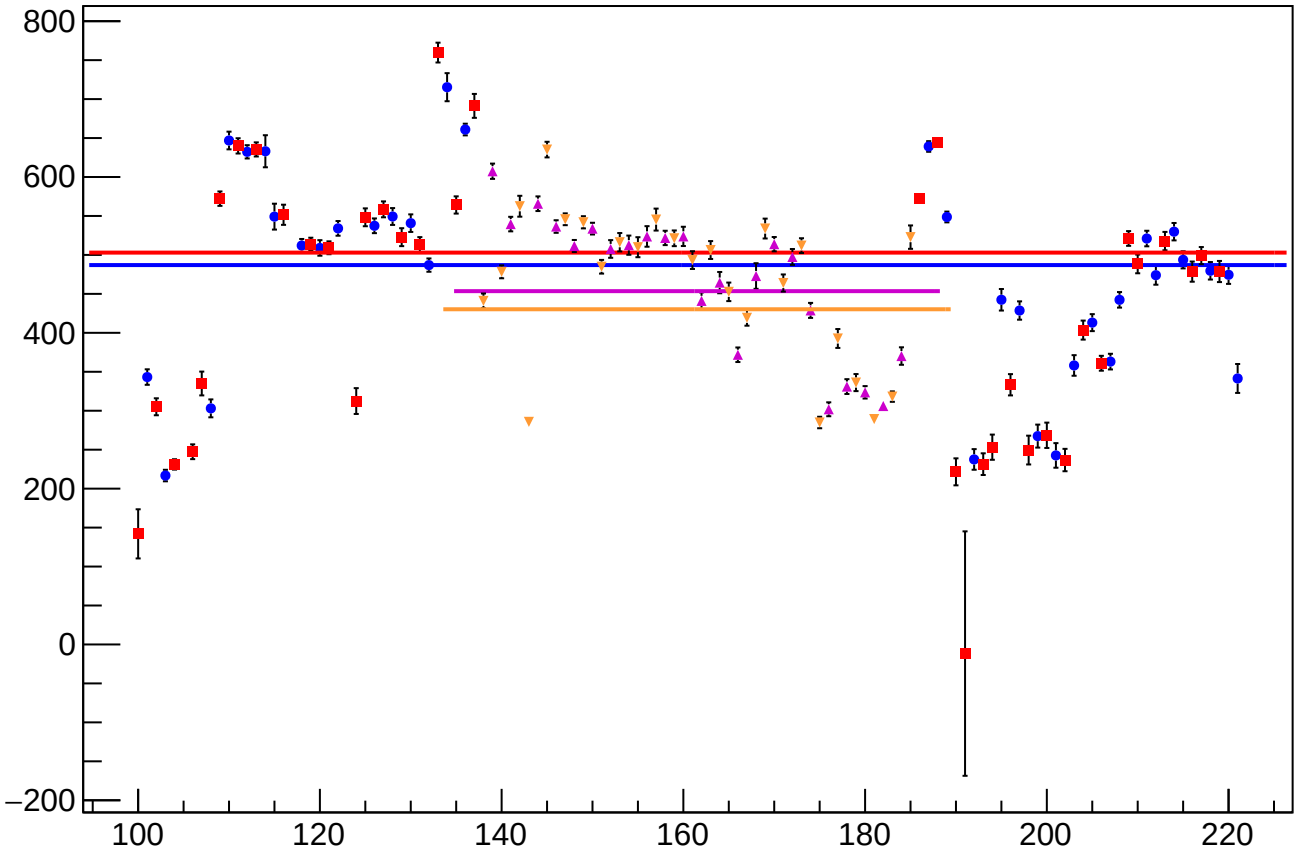
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 30.538+/-1.348 χ^2/NDF: 1169.0/70

In: 10.576+/-1.186 χ^2/NDF:1267.6/56

Out: 14.748+/-1.107 χ^2/NDF:1429.2/61

All: 12.805+/-0.809 χ^2/NDF: 2703.3/118



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: 502.965+/-1.629 χ^2/NDF: 8080.5/36

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

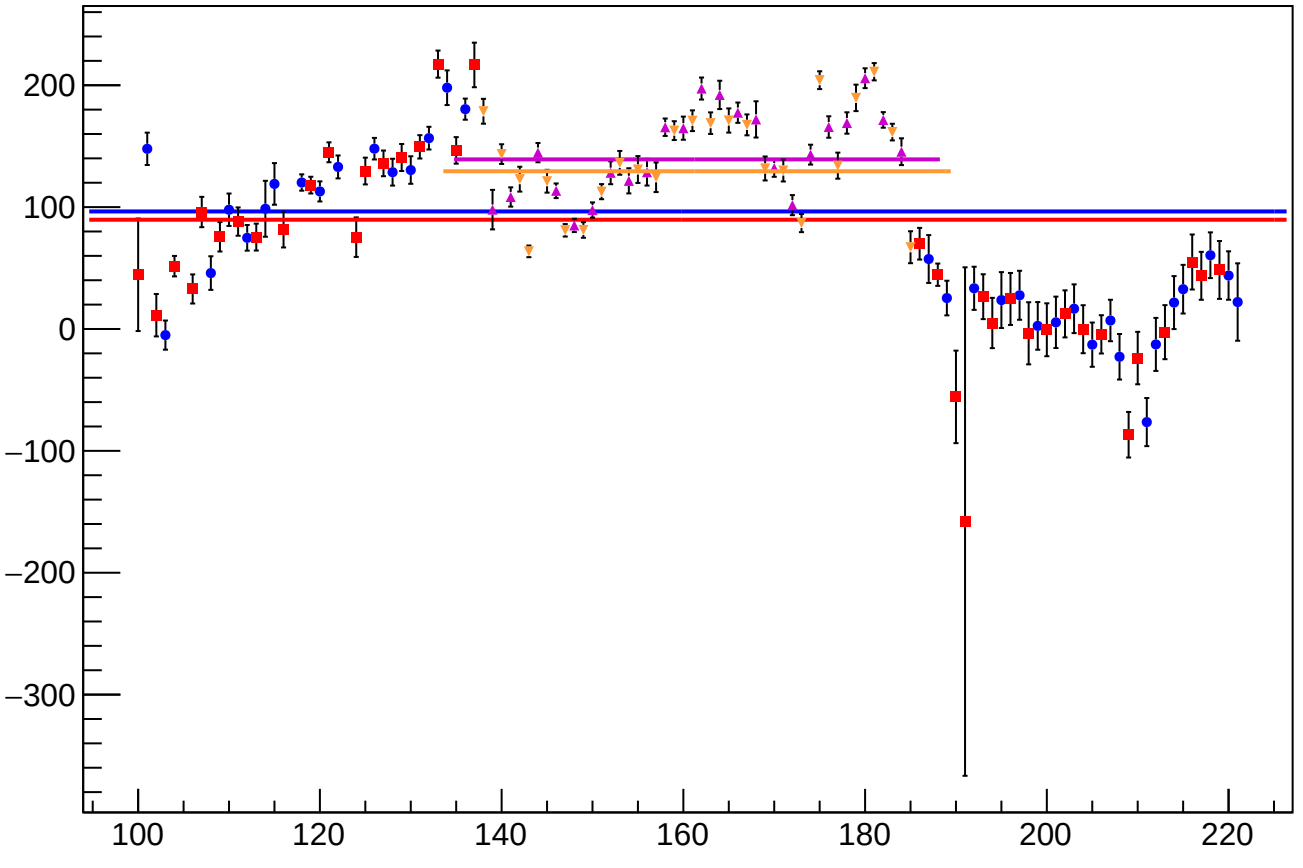
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 495.672+/-1.202 χ^2/NDF: 13129.9/70

In: 471.945+/-1.322 χ^2/NDF:7583.6/56

Out: 471.414+/-1.226 χ^2/NDF:12350.2/61

All: 471.660+/-0.899 χ^2/NDF: 19933.9/118



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: 89.651+/-2.199 χ^2/NDF: 760.5/36

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

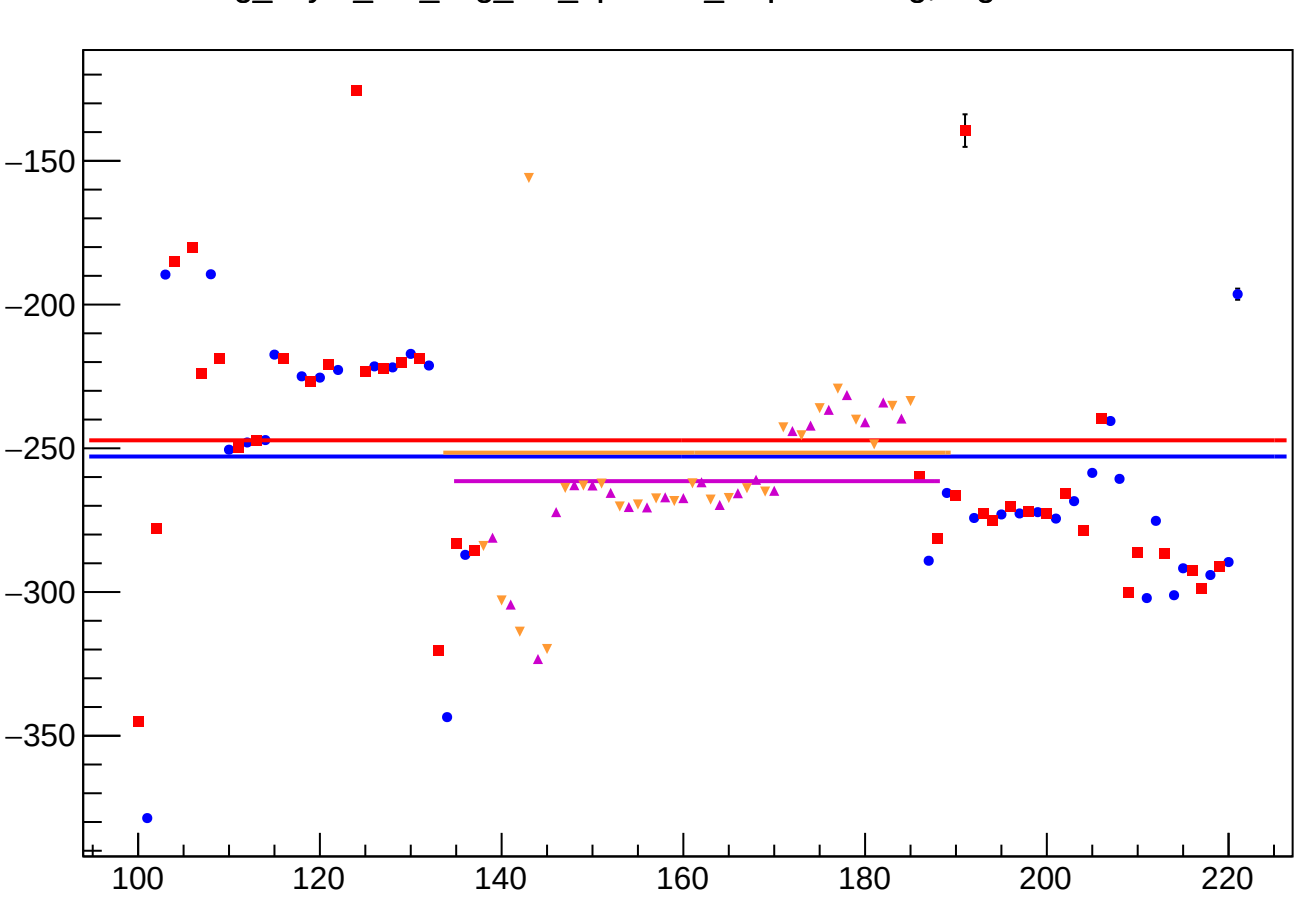
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 92.929+/-1.583 χ^2/NDF: 1506.9/70

In: 123.844+/-1.365 χ^2/NDF:1401.1/56

Out: 115.736+/-1.290 χ^2/NDF:1789.3/61

All: 119.560+/-0.938 χ^2/NDF: 3209.0/118



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: -247.222+/-0.114 χ^2/NDF: 123901.4/36

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

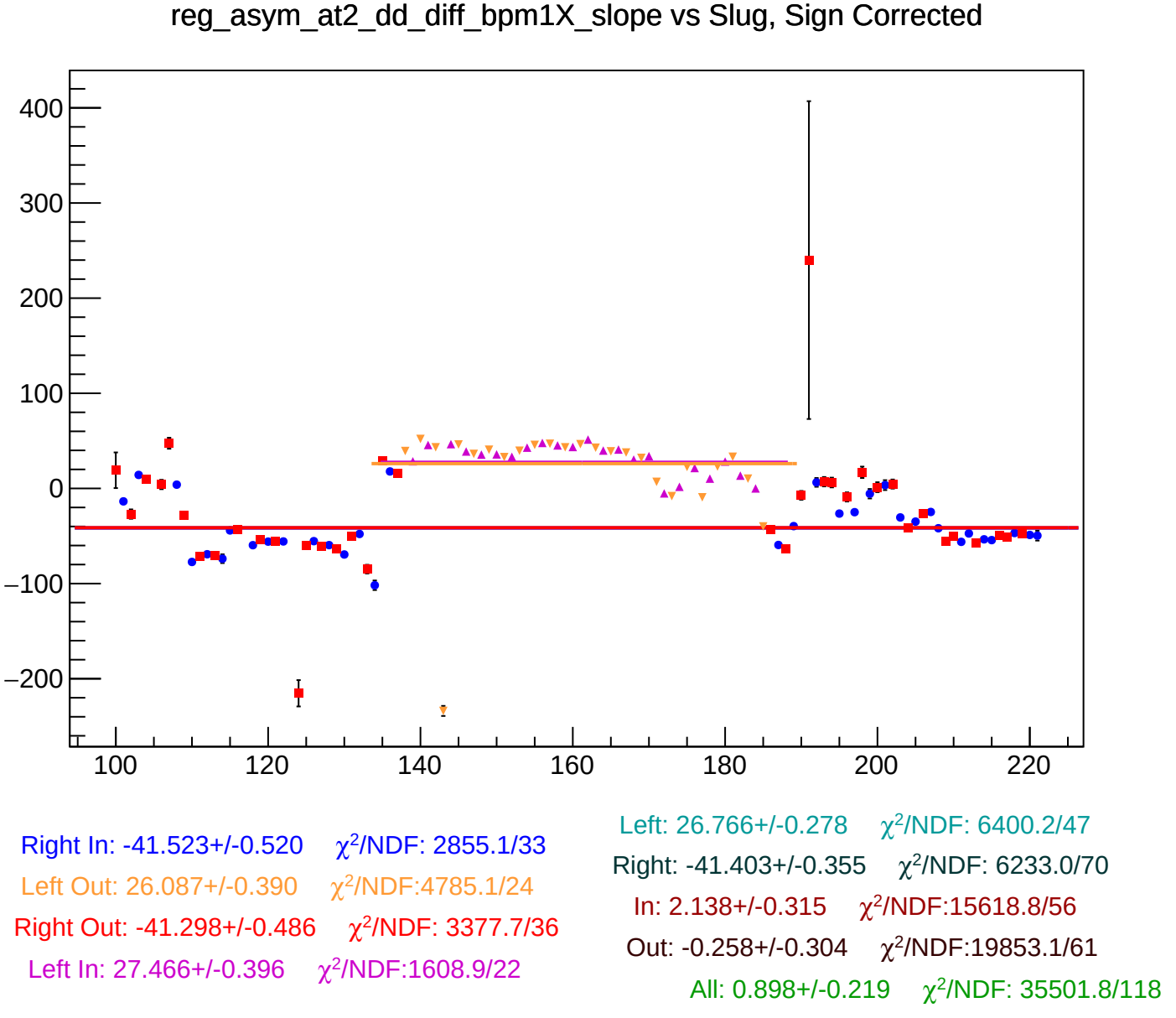
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

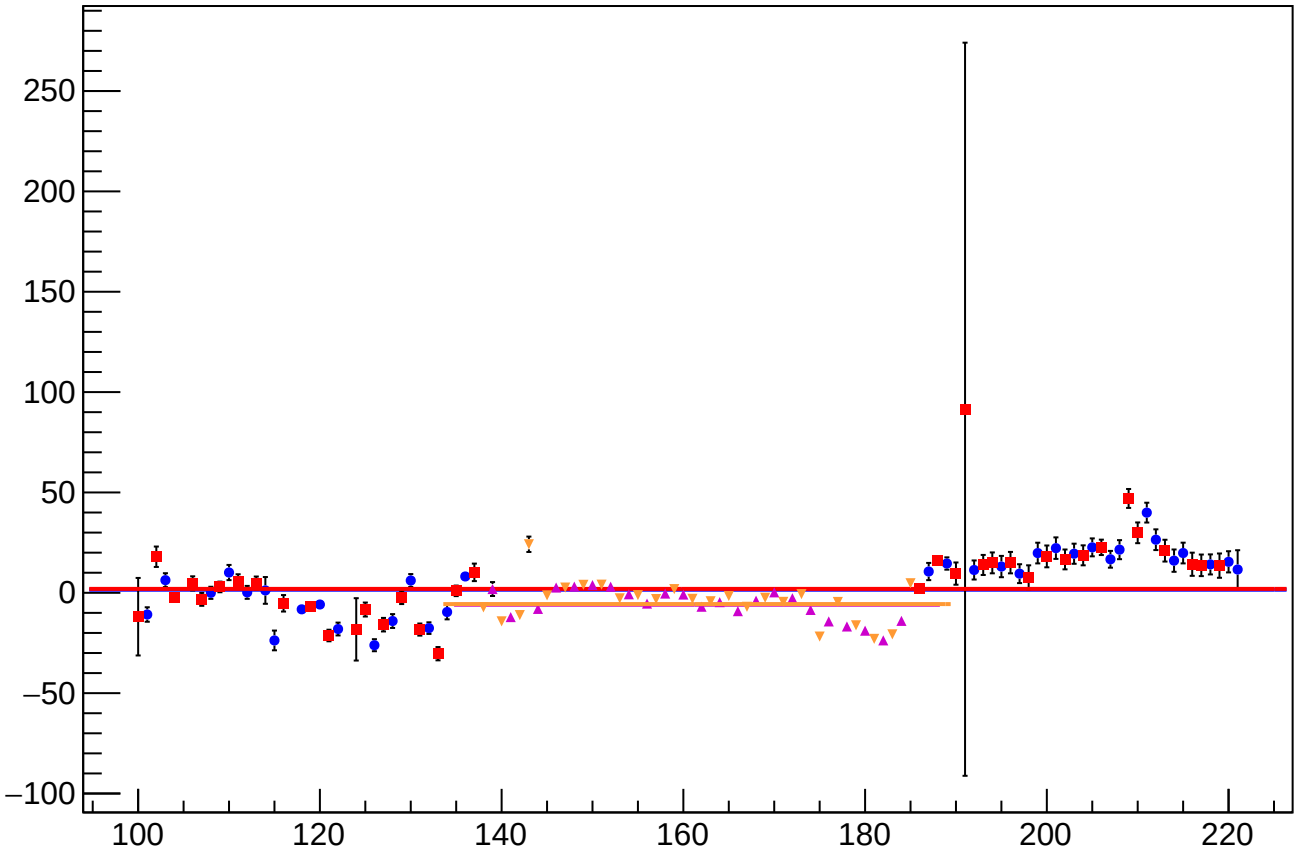
Right: -249.967+/-0.081 χ^2/NDF: 283778.1/70

In: -258.780+/-0.065 χ^2/NDF:231974.6/56

Out: -250.217+/-0.062 χ^2/NDF:379820.2/61

All: -254.337+/-0.045 χ^2/NDF: 620867.9/118


reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
100
120
140
160
180
200
220
Right In: -41.523+/-0.520 χ²/NDF: 2855.1/33
Left Out: 26.087+/-0.390 χ²/NDF:4785.1/24
Right Out: -41.298+/-0.486 χ²/NDF: 3377.7/36
Left In: 27.466+/-0.396 χ²/NDF:1608.9/22
Left: 26.766+/-0.278 χ²/NDF: 6400.2/47
Right: -41.403+/-0.355 χ²/NDF: 6233.0/70
In: 2.138+/-0.315 χ²/NDF:15618.8/56
Out: -0.258+/-0.304 χ²/NDF:19853.1/61
All: 0.898+/-0.219 χ²/NDF: 35501.8/118



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: 1.950+/-0.592 χ^2/NDF: 560.5/36

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

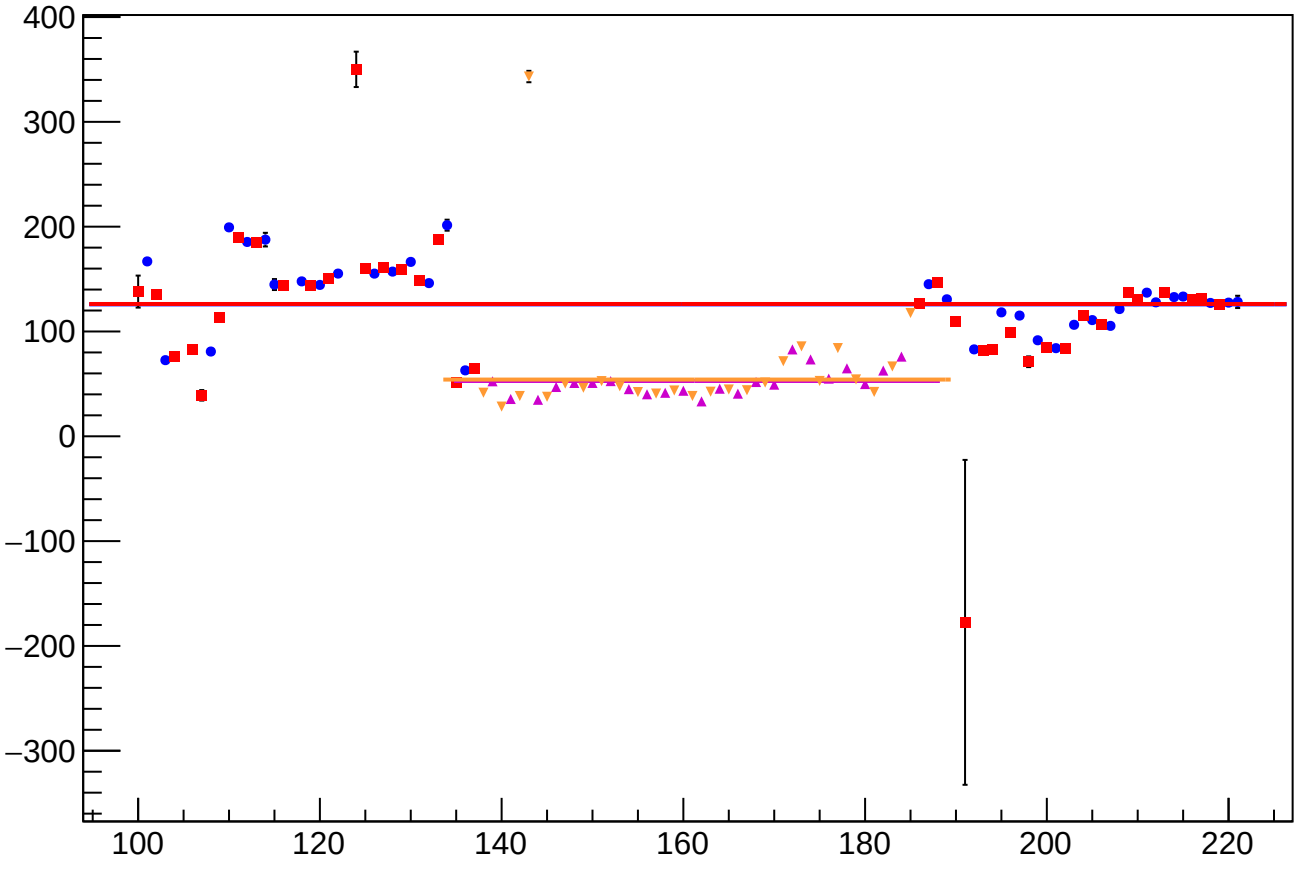
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.763+/-0.430 χ^2/NDF: 1095.2/70

In: -4.473+/-0.277 χ^2/NDF:1361.8/56

Out: -4.063+/-0.269 χ^2/NDF:1583.6/61

All: -4.262+/-0.193 χ^2/NDF: 2946.5/118



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: 126.234+/-0.495 χ^2/NDF: 4460.0/36

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

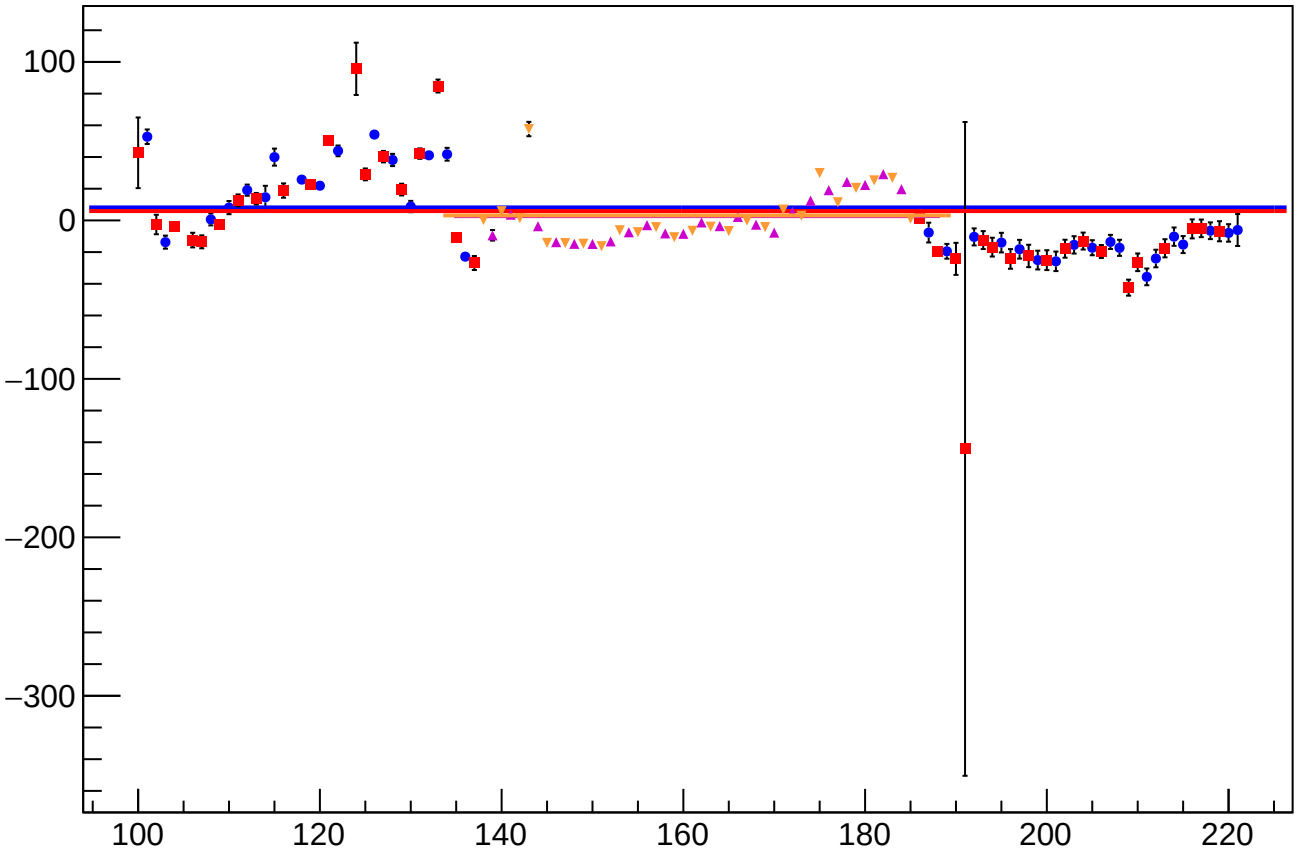
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.066+/-0.365 χ^2/NDF: 8609.2/70

In: 78.124+/-0.317 χ^2/NDF:17133.9/56

Out: 81.511+/-0.305 χ^2/NDF:22219.9/61

All: 79.885+/-0.220 χ^2/NDF: 39413.1/118



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: 5.901+/-0.696 χ^2/NDF: 1479.7/36

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

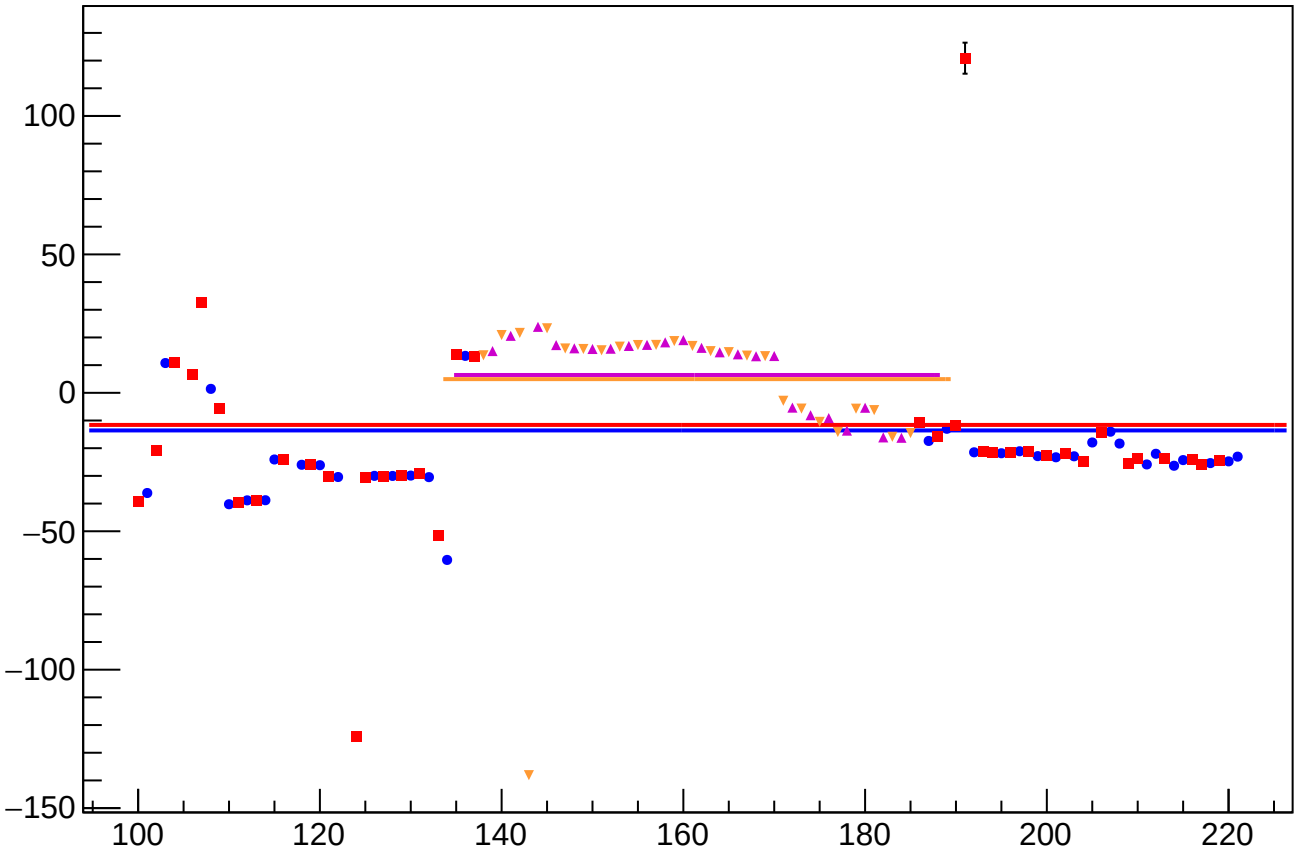
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.013+/-0.500 χ^2/NDF: 2896.4/70

In: 3.759+/-0.312 χ^2/NDF:3193.9/56

Out: 3.683+/-0.305 χ^2/NDF:3504.6/61

All: 3.720+/-0.218 χ^2/NDF: 6698.5/118



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: -11.593+/-0.034 χ^2/NDF: 287041.7/36

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

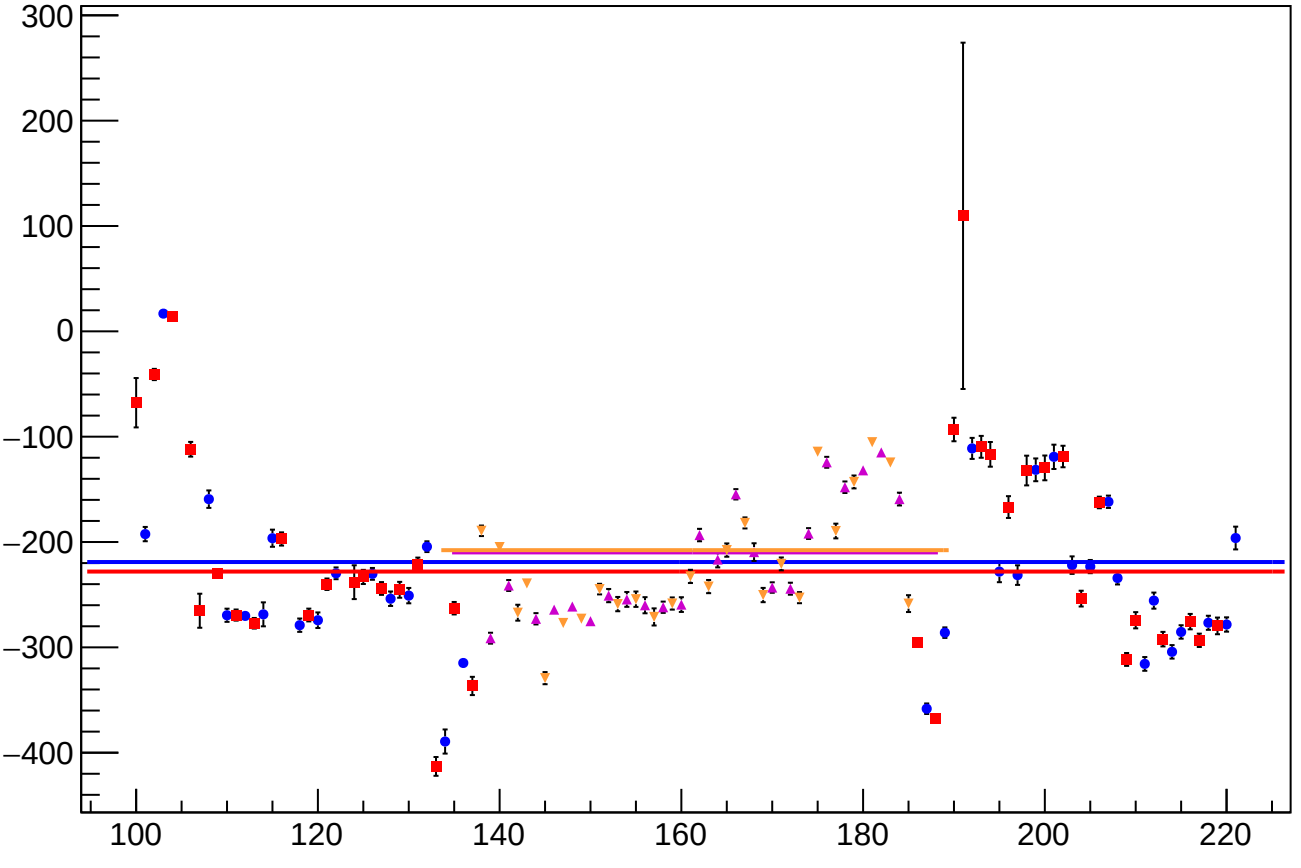
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.591+/-0.024 χ^2/NDF: 595490.1/70

In: 3.124+/-0.014 χ^2/NDF:1319201.2/56

Out: 2.250+/-0.014 χ^2/NDF:1616090.0/61

All: 2.684+/-0.010 χ^2/NDF: 2937248.4/118



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: -228.050+/-1.017 χ^2/NDF: 12867.4/36

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

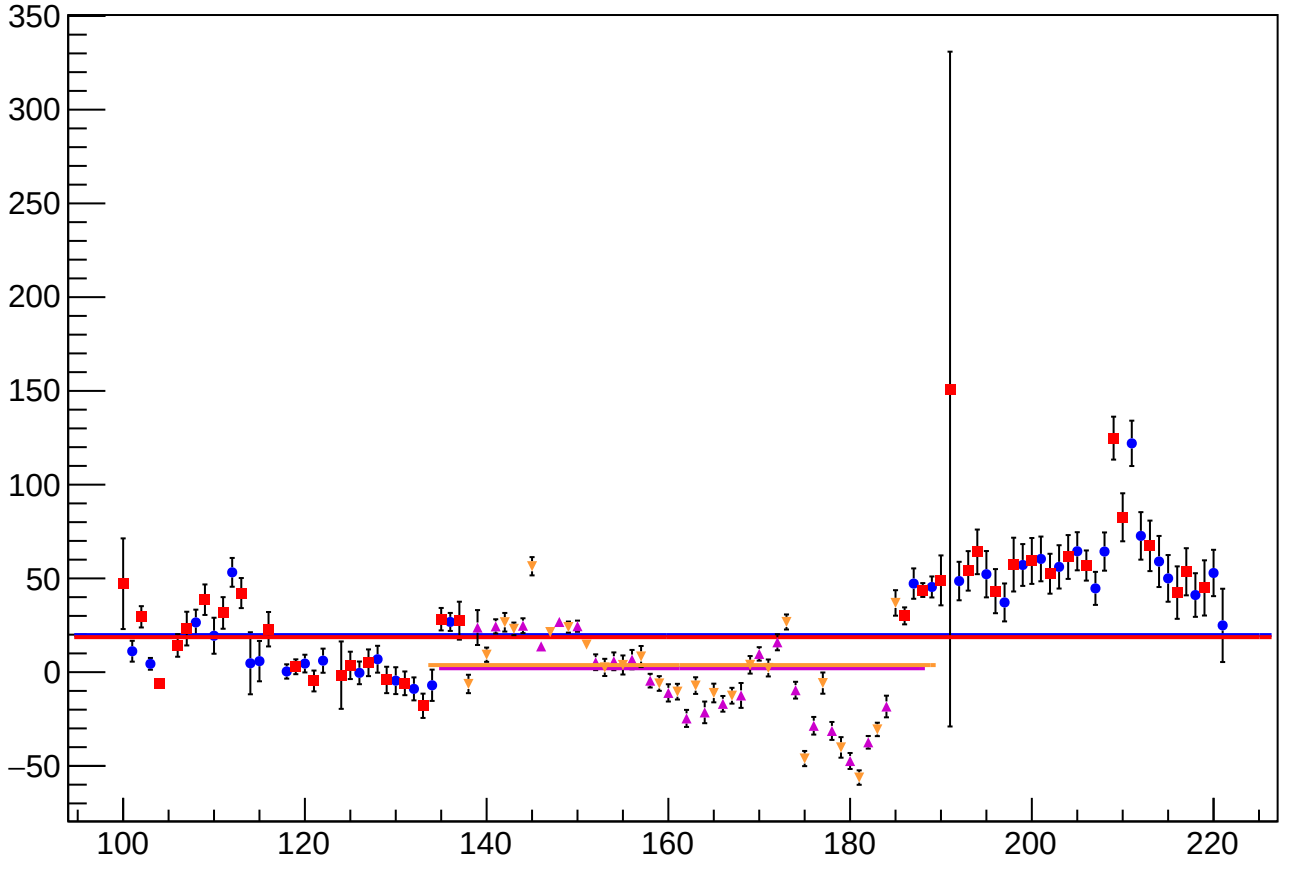
Right: -223.780+/-0.739 χ^2/NDF: 22514.8/70

In: -214.537+/-0.770 χ^2/NDF:12656.9/56

Out: -218.410+/-0.737 χ^2/NDF:16543.8/61

All: -216.558+/-0.532 χ^2/NDF: 29213.9/118

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.766+/-1.238 χ^2/NDF: 392.7/33

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.668+/-1.137 χ^2/NDF: 522.1/36

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

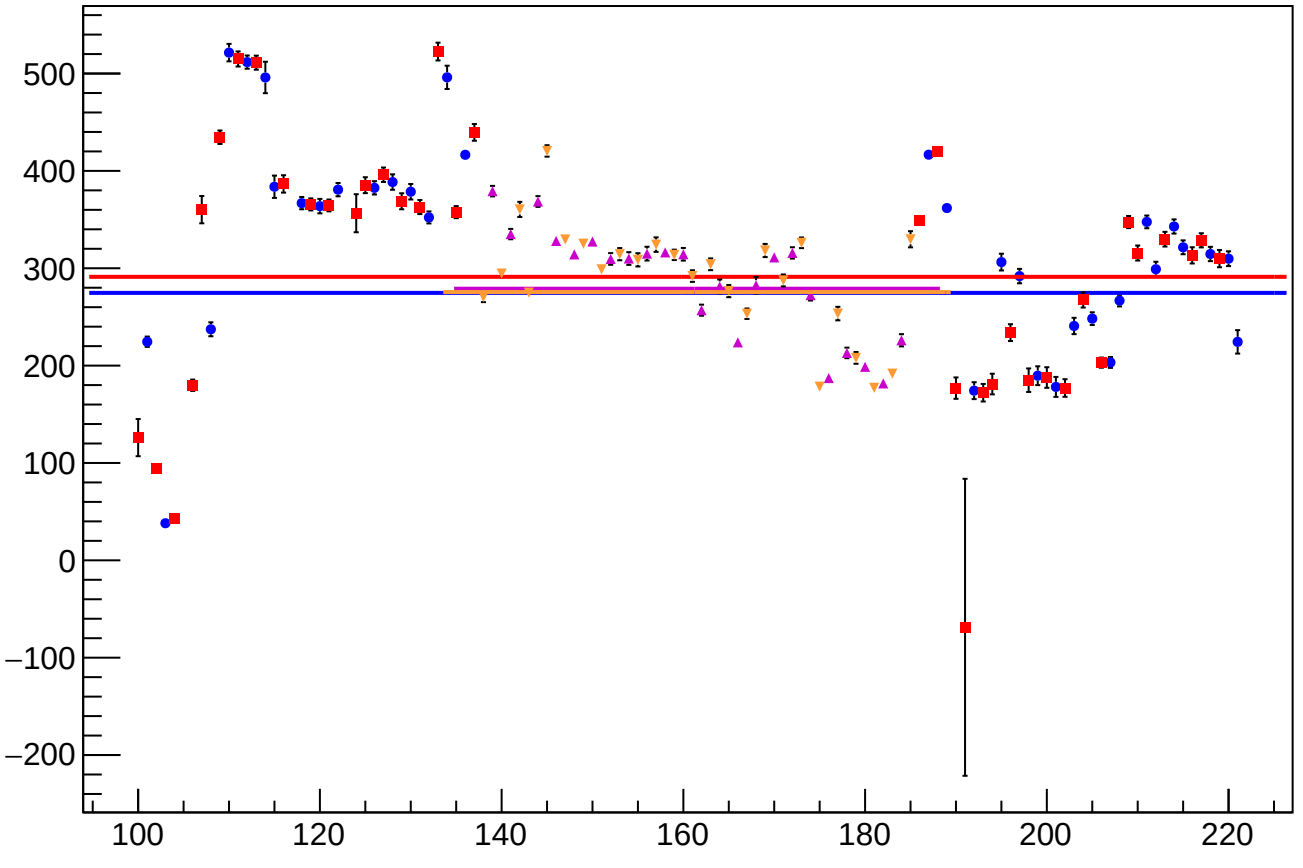
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 19.170+/-0.837 χ^2/NDF: 915.3/70

In: 7.474+/-0.684 χ^2/NDF:1304.8/56

Out: 8.599+/-0.647 χ^2/NDF:1610.3/61

All: 8.067+/-0.470 χ^2/NDF: 2916.6/118



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: 291.193+/-0.968 χ^2/NDF: 22330.8/36

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

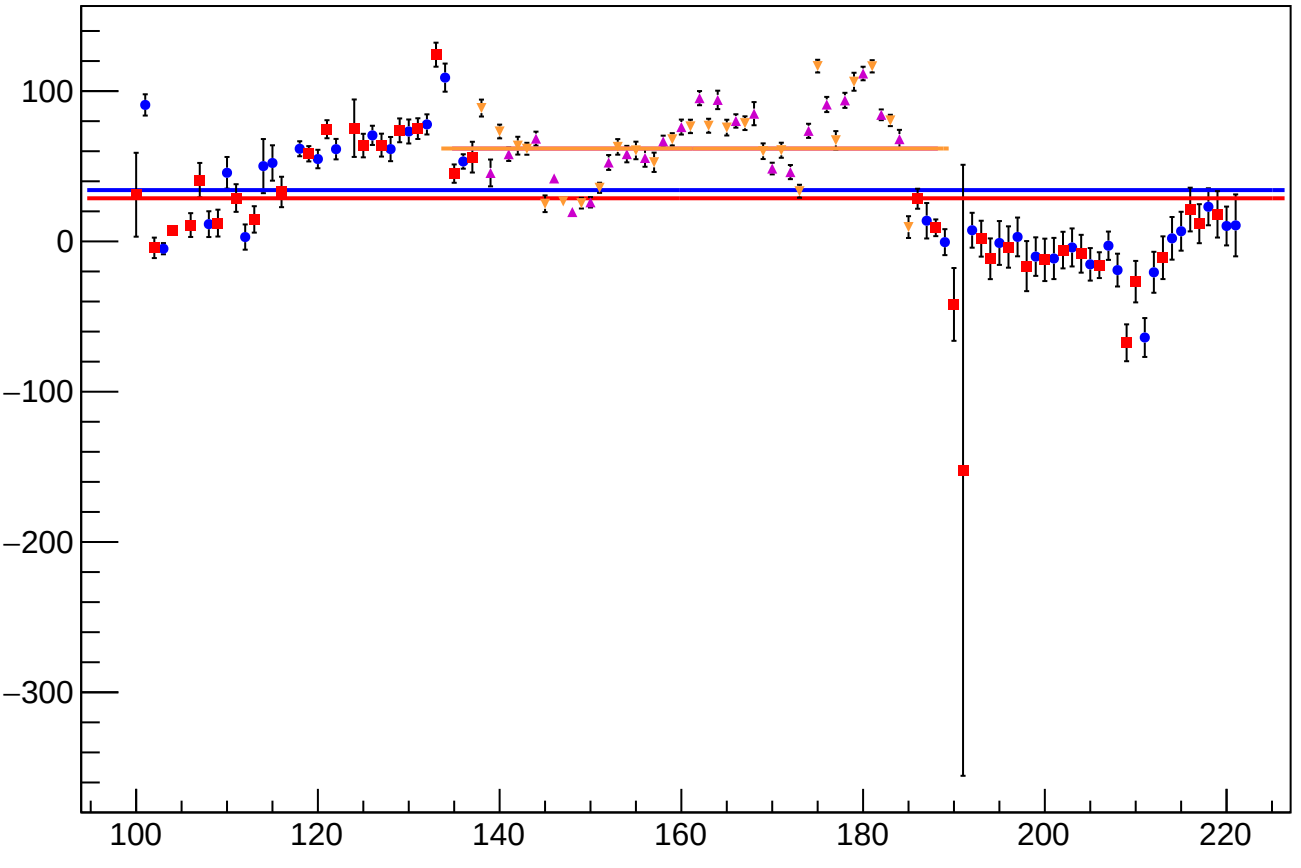
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 283.660+/-0.713 χ^2/NDF: 40581.5/70

In: 276.775+/-0.758 χ^2/NDF:21240.7/56

Out: 284.090+/-0.715 χ^2/NDF:25772.7/61

All: 280.644+/-0.520 χ^2/NDF: 47062.7/118



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: 28.693+/-1.369 χ^2/NDF: 647.2/36

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

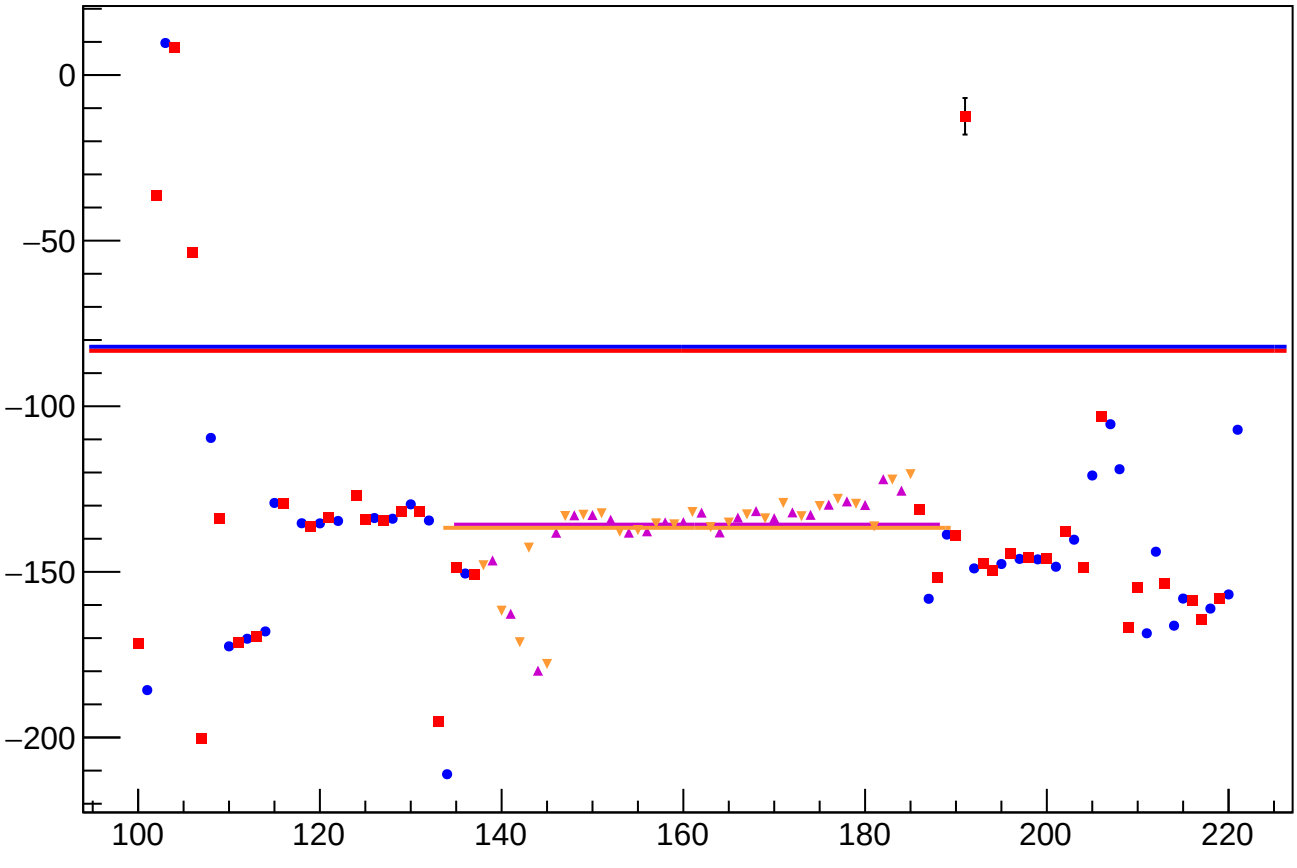
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.276+/-0.992 χ^2/NDF: 1317.6/70

In: 53.537+/-0.787 χ^2/NDF:1656.8/56

Out: 51.700+/-0.756 χ^2/NDF:2013.6/61

All: 52.583+/-0.545 χ^2/NDF: 3673.2/118



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: -83.262+/-0.062 χ^2/NDF: 1289170.1/36

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

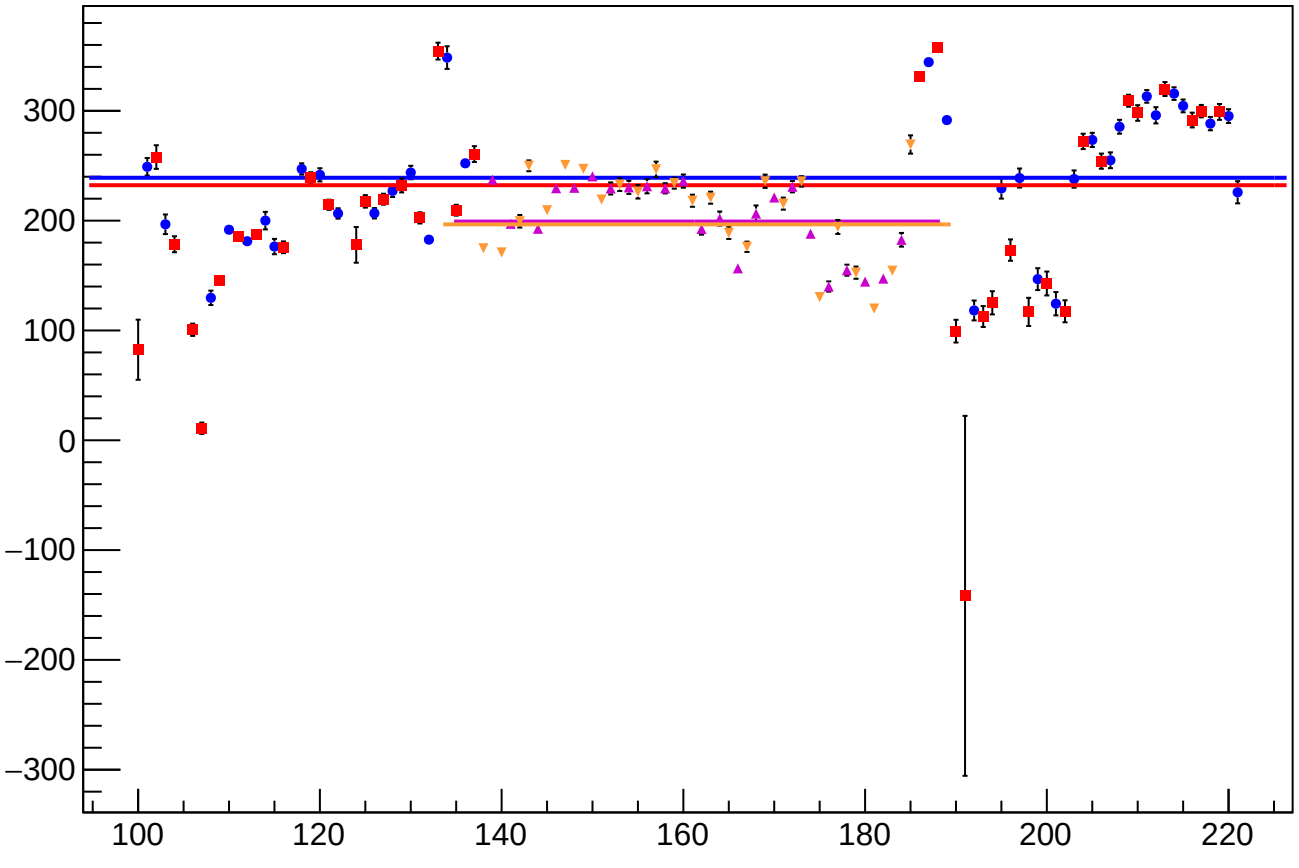
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -82.647+/-0.044 χ^2/NDF: 2894929.3/70

In: -118.199+/-0.035 χ^2/NDF:2183522.2/56

Out: -119.742+/-0.035 χ^2/NDF:1875710.6/61

All: -118.975+/-0.025 χ^2/NDF: 4060203.1/11



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: 232.271+/-0.914 χ^2/NDF: 9058.8/36

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

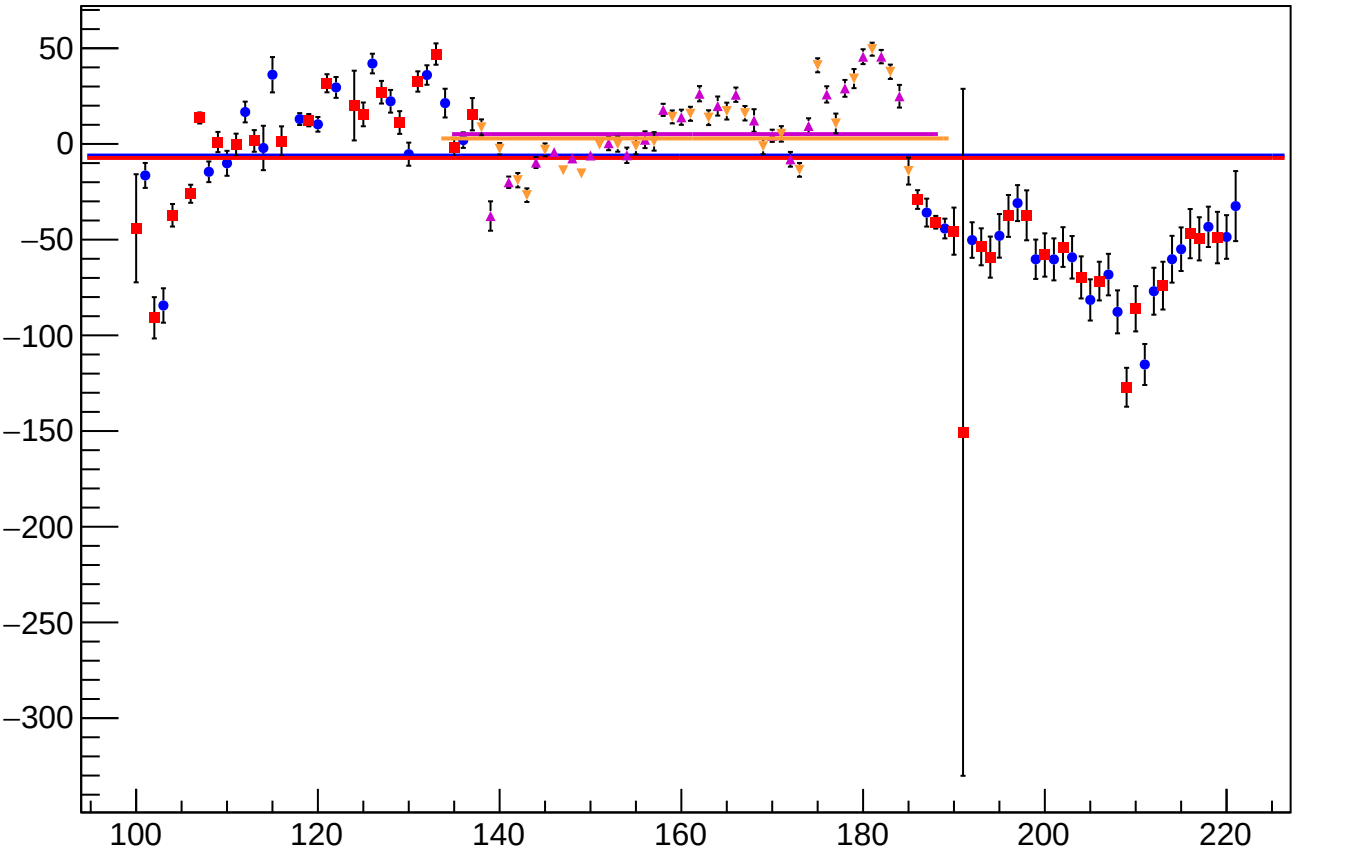
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 235.358+/-0.674 χ^2/NDF: 12152.7/70

In: 218.578+/-0.697 χ^2/NDF:5182.3/56

Out: 215.062+/-0.657 χ^2/NDF:11868.7/61

All: 216.718+/-0.478 χ^2/NDF: 17064.5/118



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: -7.306+/-1.044 χ^2/NDF: 1038.6/36

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

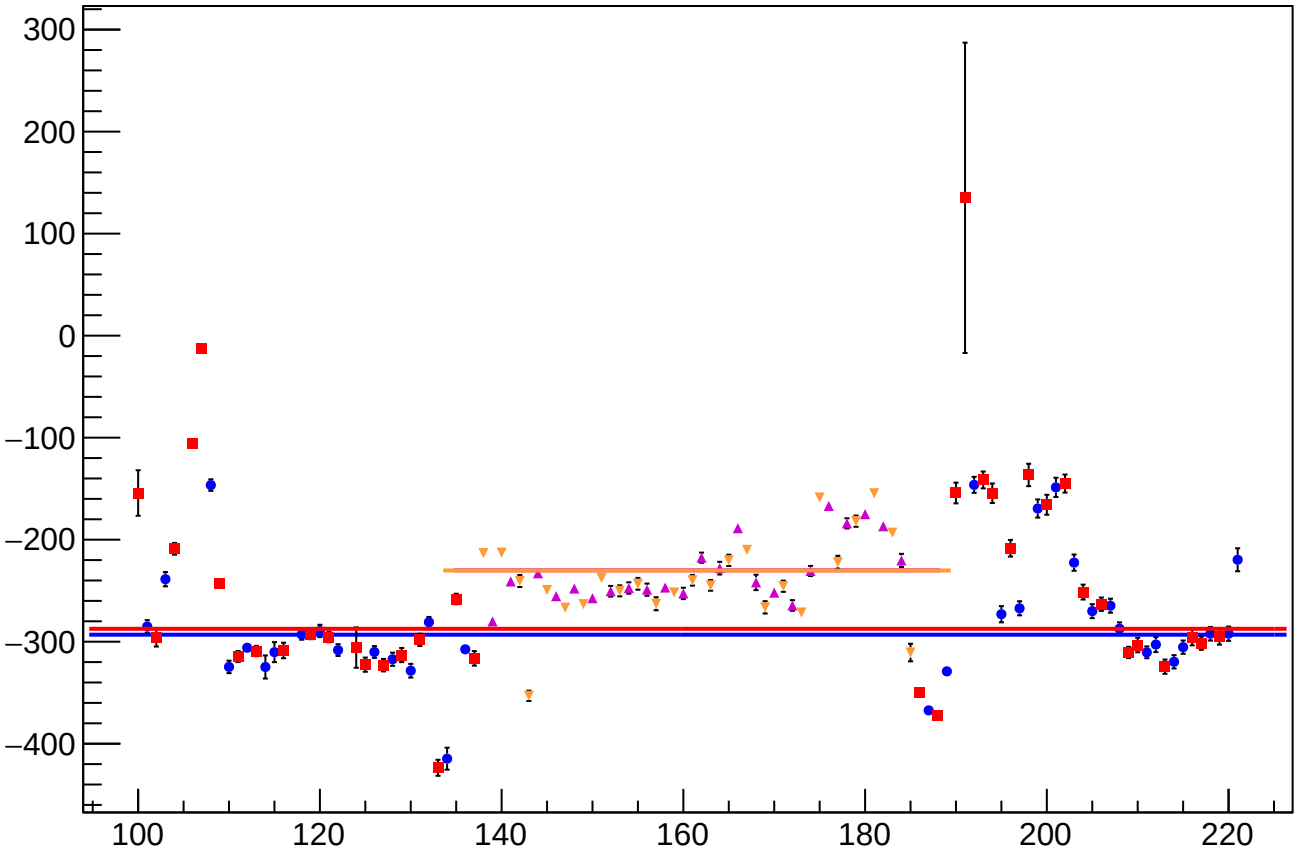
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -6.750+/-0.774 χ^2/NDF: 1982.2/70

In: 2.003+/-0.610 χ^2/NDF:1639.4/56

Out: -0.243+/-0.577 χ^2/NDF:1857.3/61

All: 0.819+/-0.419 χ^2/NDF: 3503.8/118



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: -287.355+/-0.929 χ^2/NDF: 9981.9/36

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

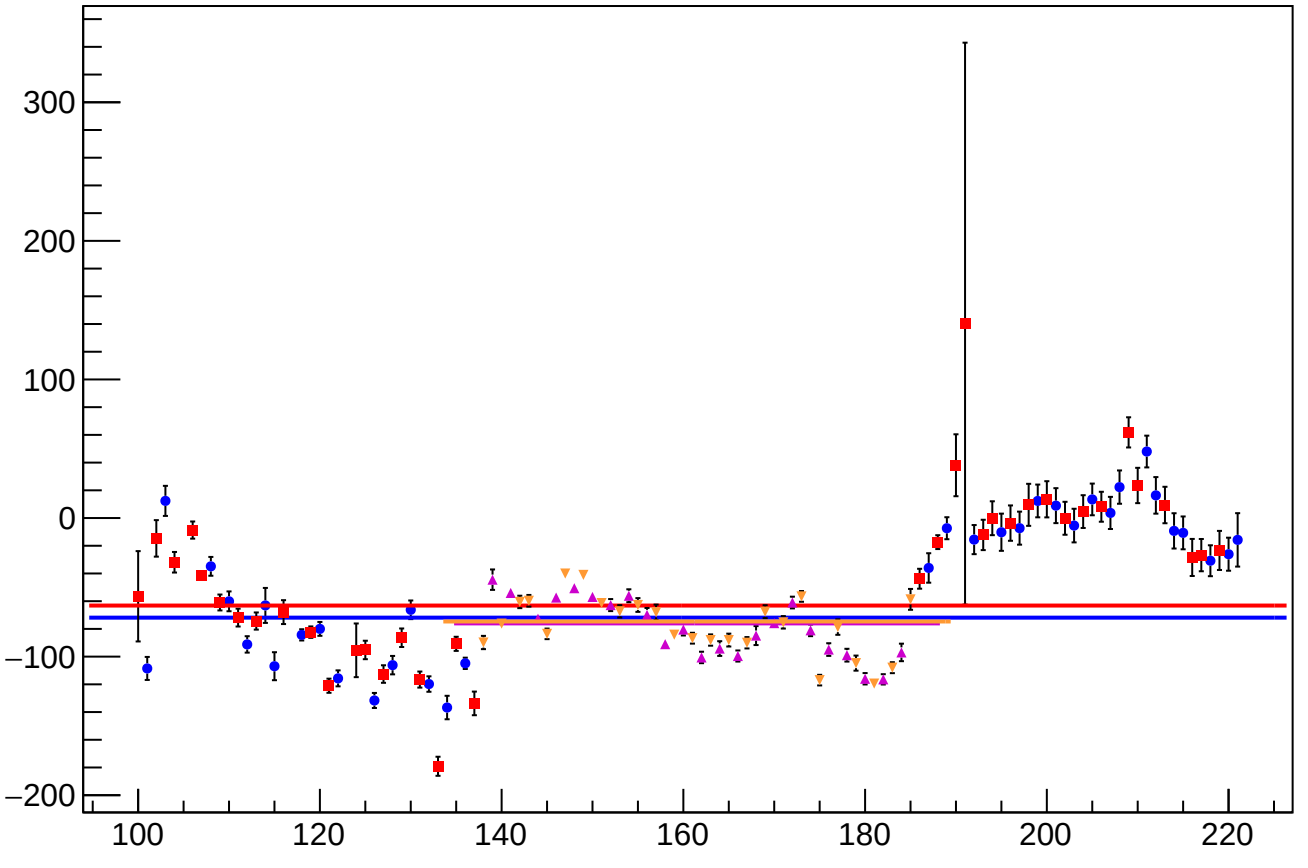
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -289.905+/-0.695 χ^2/NDF: 12452.7/70

In: -258.904+/-0.708 χ^2/NDF:5519.3/56

Out: -259.073+/-0.660 χ^2/NDF:14037.3/61

All: -258.995+/-0.483 χ^2/NDF: 19556.6/118



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: -63.150+/-1.243 χ^2/NDF: 1442.7/36

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

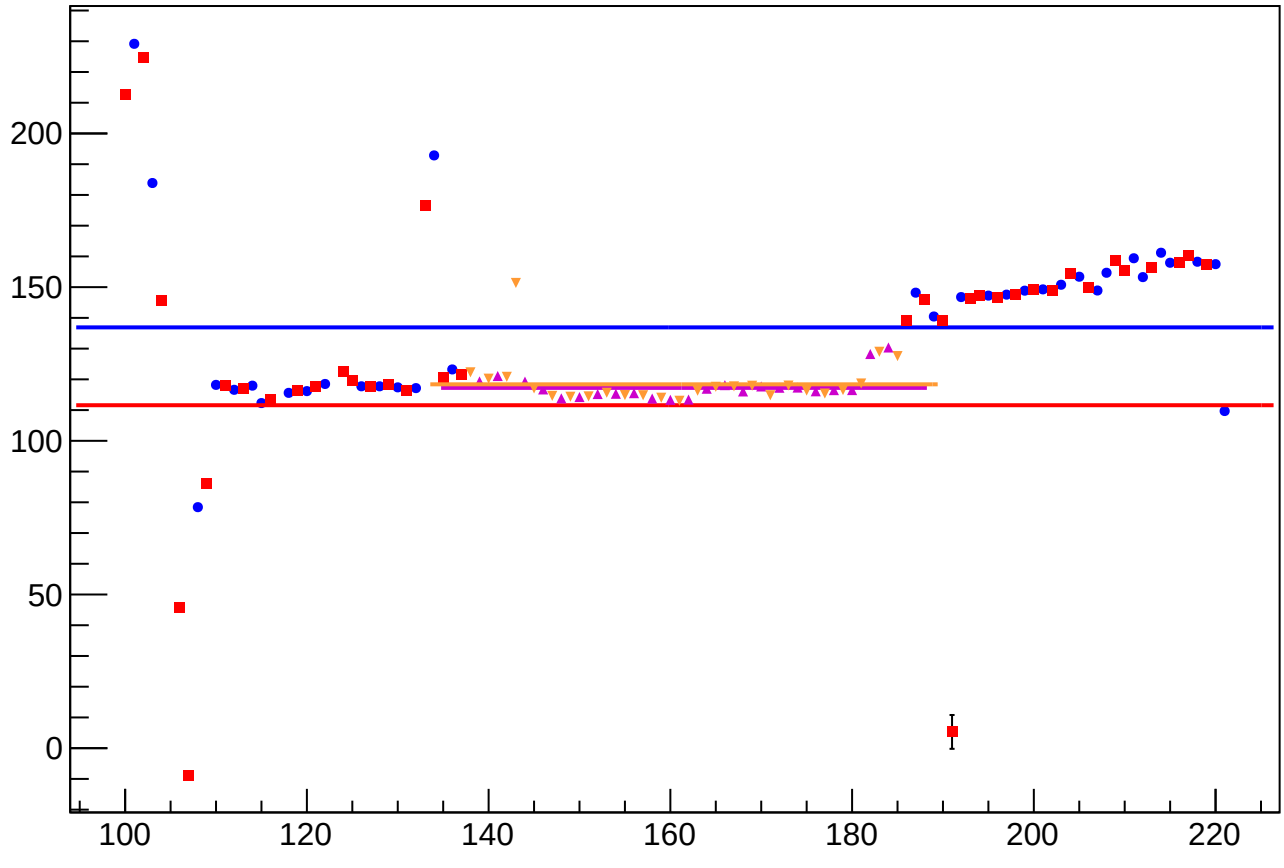
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -67.190+/-0.911 χ^2/NDF: 2696.7/70

In: -74.885+/-0.702 χ^2/NDF:1884.2/56

Out: -71.273+/-0.673 χ^2/NDF:2334.1/61

All: -73.004+/-0.486 χ^2/NDF: 4232.1/118



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: 111.583+/-0.064 χ^2/NDF: 793518.2/36

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

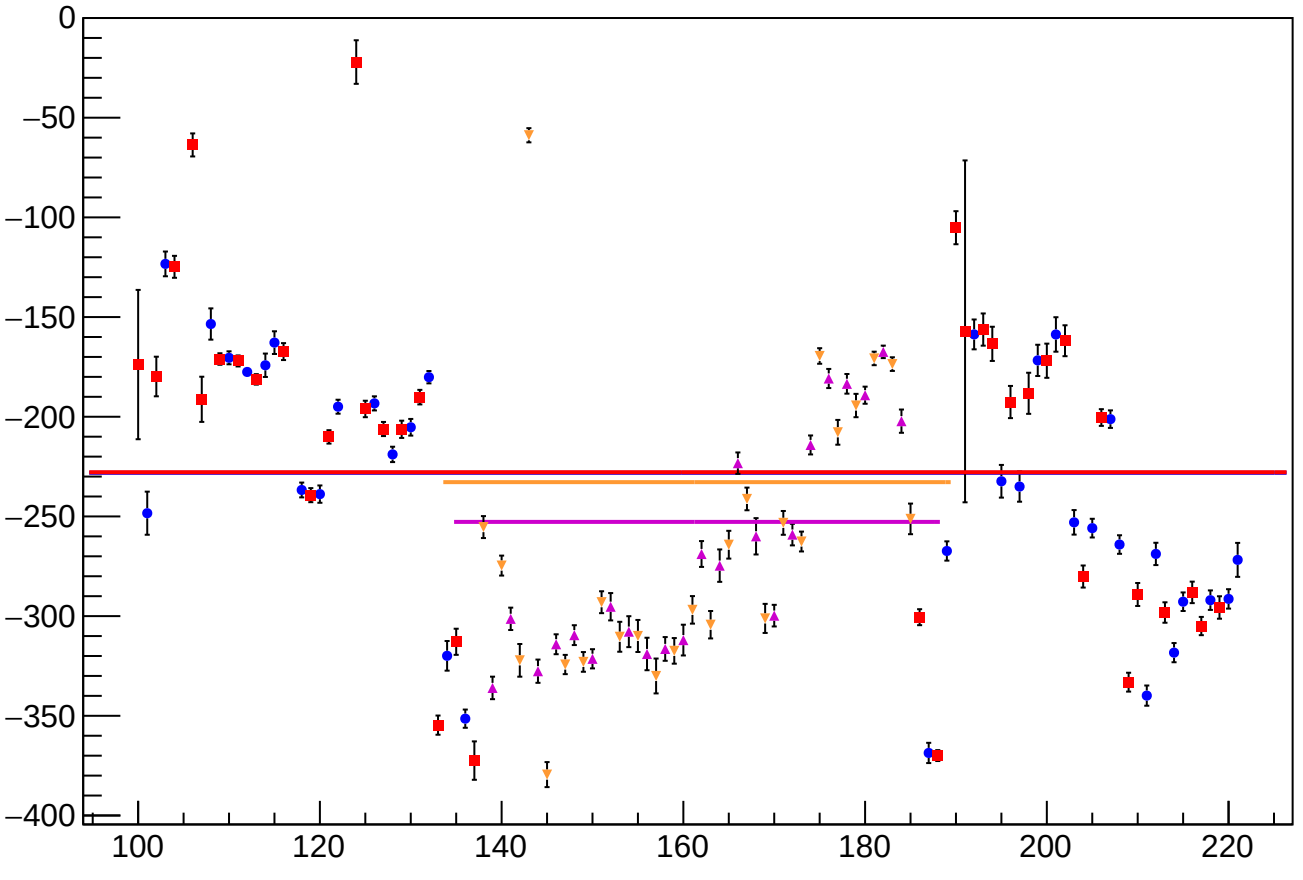
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 123.127+/-0.047 χ^2/NDF: 1073931.5/70

In: 121.674+/-0.033 χ^2/NDF:280490.2/56

Out: 116.647+/-0.032 χ^2/NDF:836944.8/61

All: 119.090+/-0.023 χ^2/NDF: 1129301.3/118



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: -227.831+/-0.775 χ^2/NDF: 9234.4/36

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

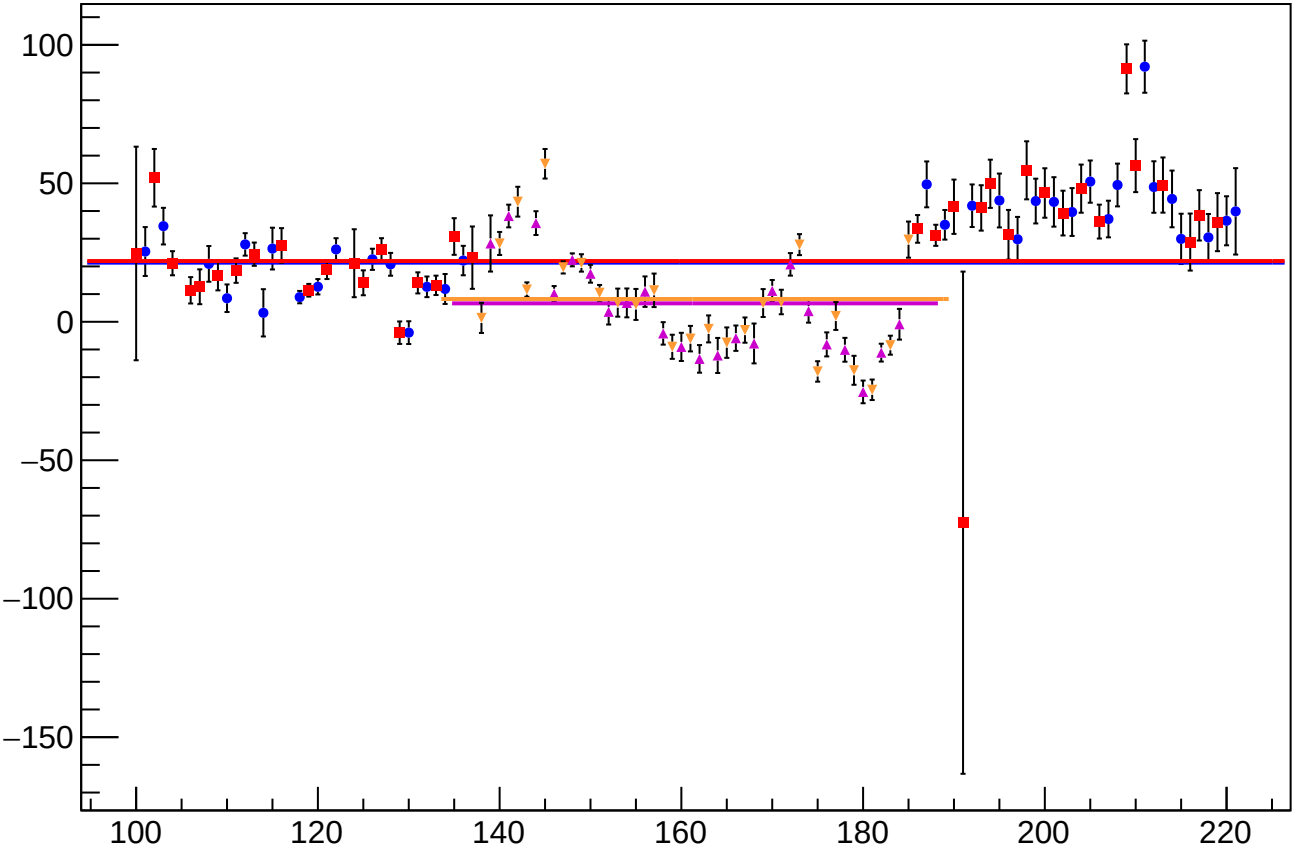
Right: -227.966+/-0.558 χ^2/NDF: 14556.1/70

In: -236.397+/-0.656 χ^2/NDF:8550.3/56

Out: -229.537+/-0.628 χ^2/NDF:15012.4/61

All: -232.818+/-0.454 χ^2/NDF: 23619.8/118

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 21.938+/-0.901 χ^2/NDF: 254.2/36

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

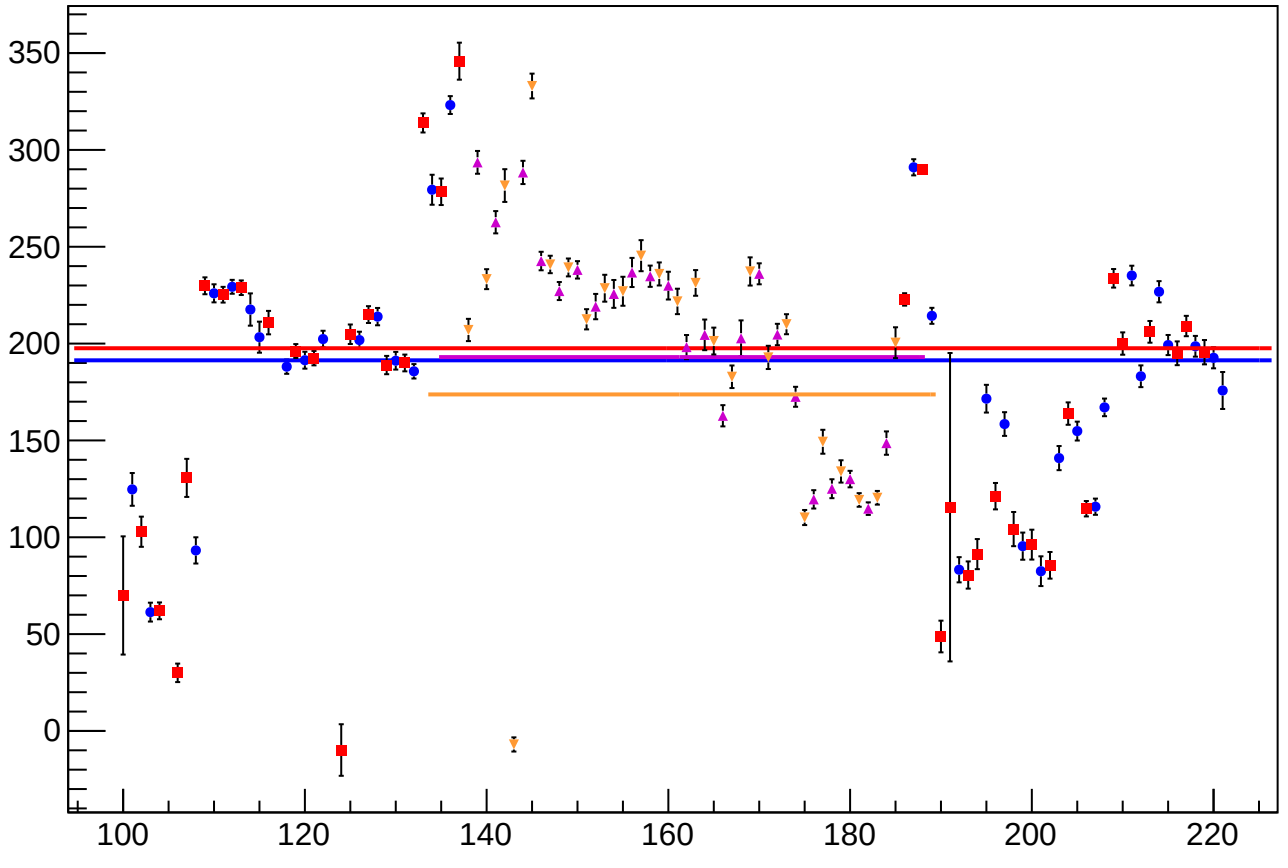
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 21.655+/-0.644 χ^2/NDF: 521.7/70

In: 13.484+/-0.628 χ^2/NDF:758.3/56

Out: 14.292+/-0.599 χ^2/NDF:841.3/61

All: 13.907+/-0.434 χ^2/NDF: 1600.5/118



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: 197.596+/-0.825 χ^2/NDF: 7617.1/36

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

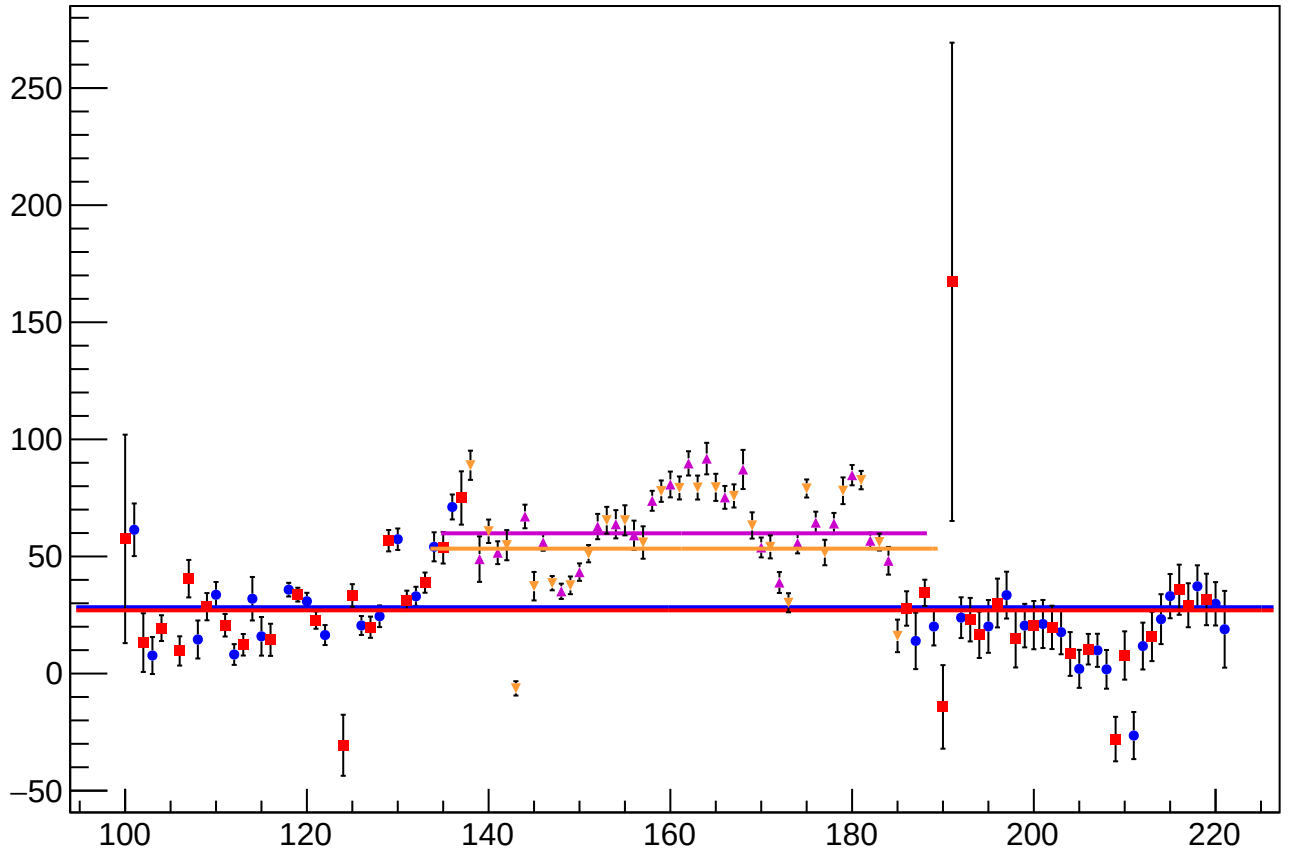
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.650+/-0.599 χ^2/NDF: 11698.9/70

In: 191.987+/-0.688 χ^2/NDF:6568.2/56

Out: 188.692+/-0.653 χ^2/NDF:13189.8/61

All: 190.253+/-0.474 χ^2/NDF: 19770.0/118



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: 26.996+/-1.052 χ^2/NDF: 206.3/36

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

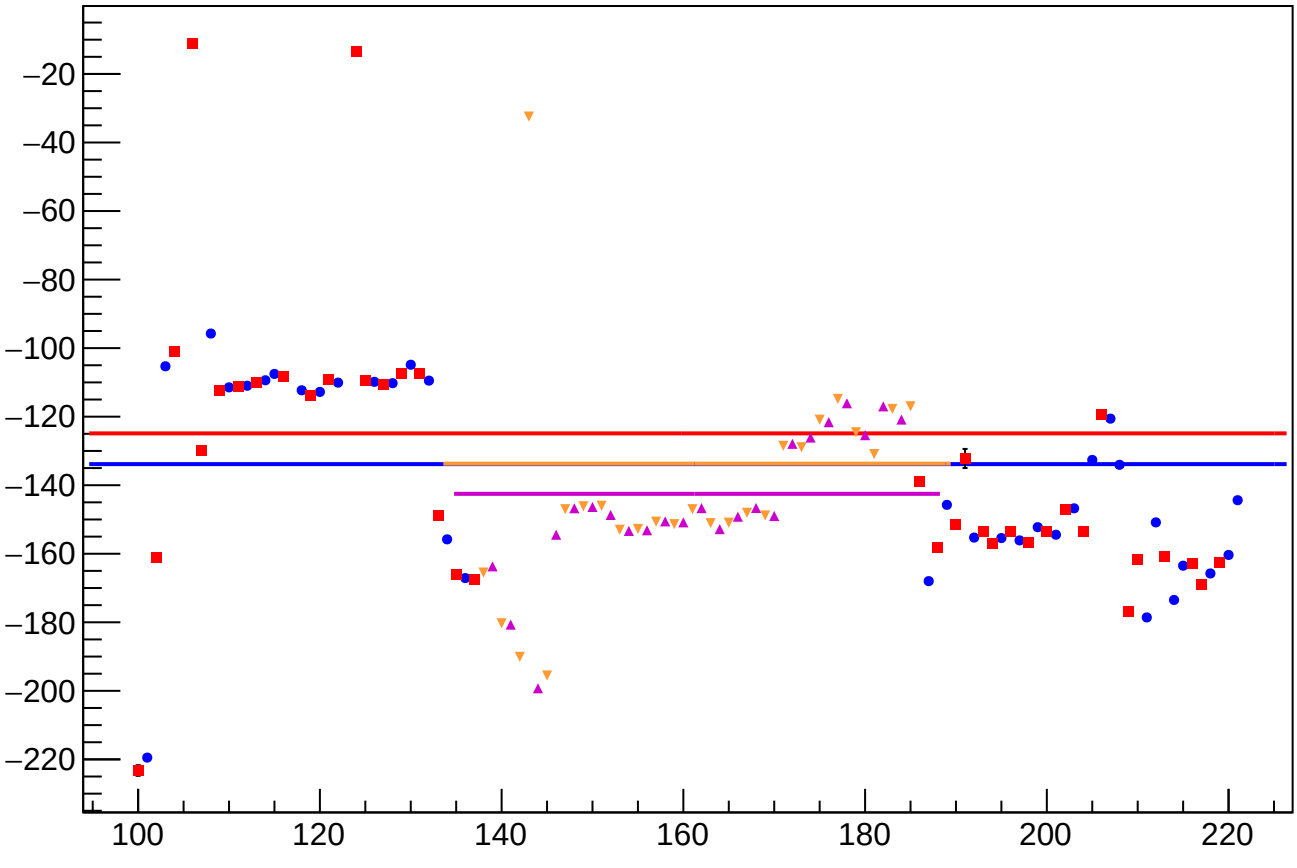
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.651+/-0.749 χ^2/NDF: 460.0/70

In: 45.490+/-0.720 χ^2/NDF:980.3/56

Out: 41.897+/-0.693 χ^2/NDF:1339.6/61

All: 43.625+/-0.500 χ^2/NDF: 2332.9/118



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: -124.876+/-0.057 χ^2/NDF: 536403.3/36

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

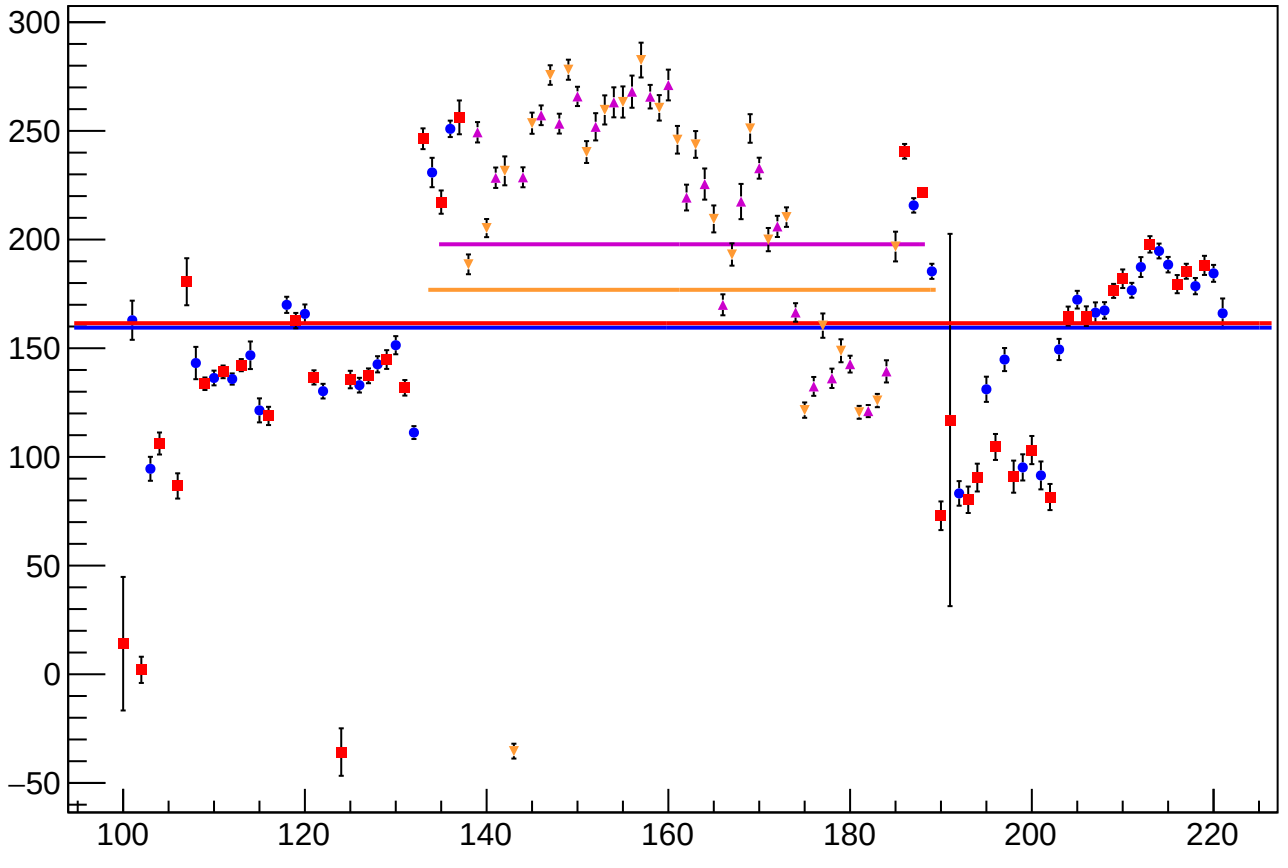
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -129.218+/-0.041 χ^2/NDF: 750126.0/70

In: -139.359+/-0.035 χ^2/NDF:394018.2/56

Out: -130.507+/-0.034 χ^2/NDF:1227744.0/61

All: -134.779+/-0.025 χ^2/NDF: 1654091.1/11



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: 161.524+/-0.678 χ^2/NDF: 5293.5/36

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

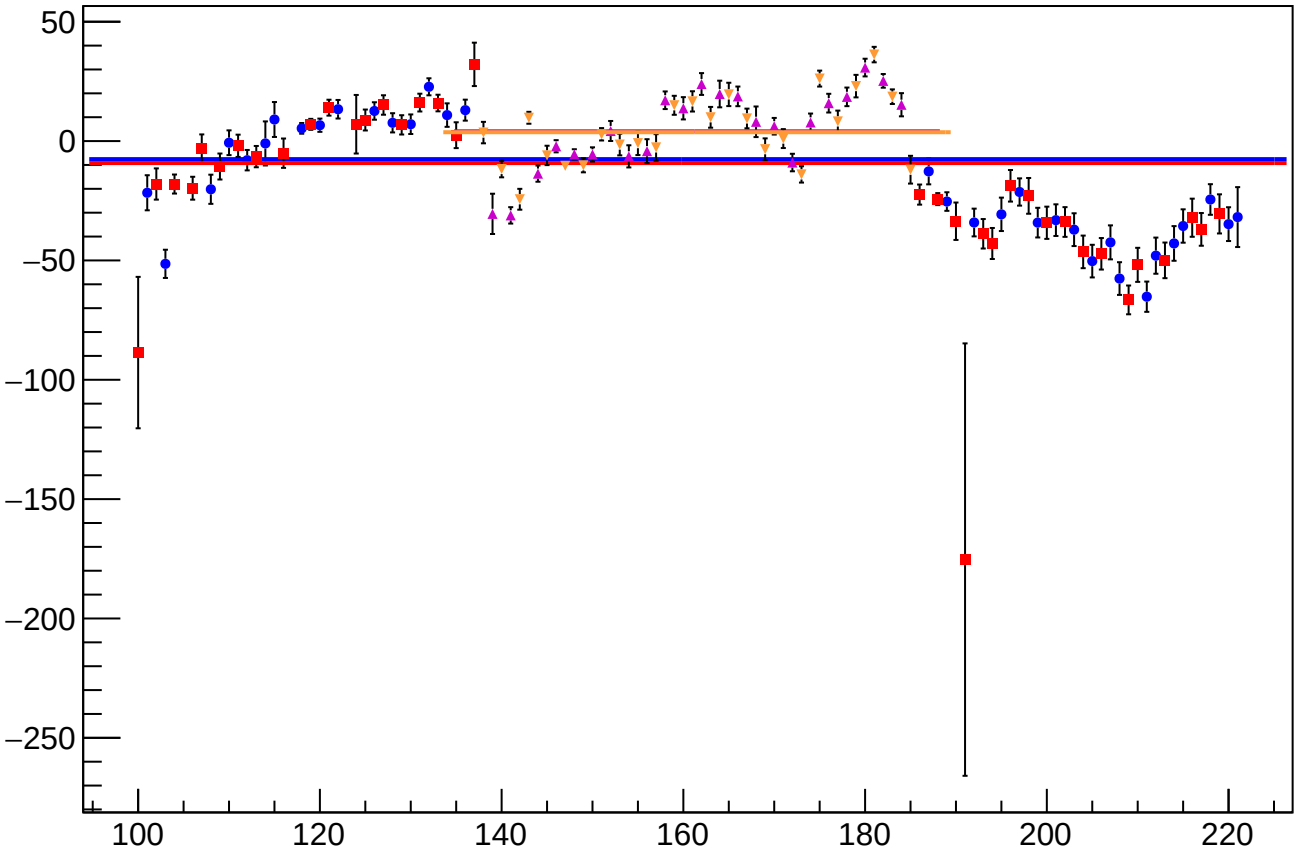
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 160.552+/-0.490 χ^2/NDF: 7860.6/70

In: 172.217+/-0.580 χ^2/NDF:6500.8/56

Out: 166.653+/-0.553 χ^2/NDF:12889.7/61

All: 169.306+/-0.400 χ^2/NDF: 19438.7/118



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: -9.211+/-0.814 χ^2/NDF: 708.8/36

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

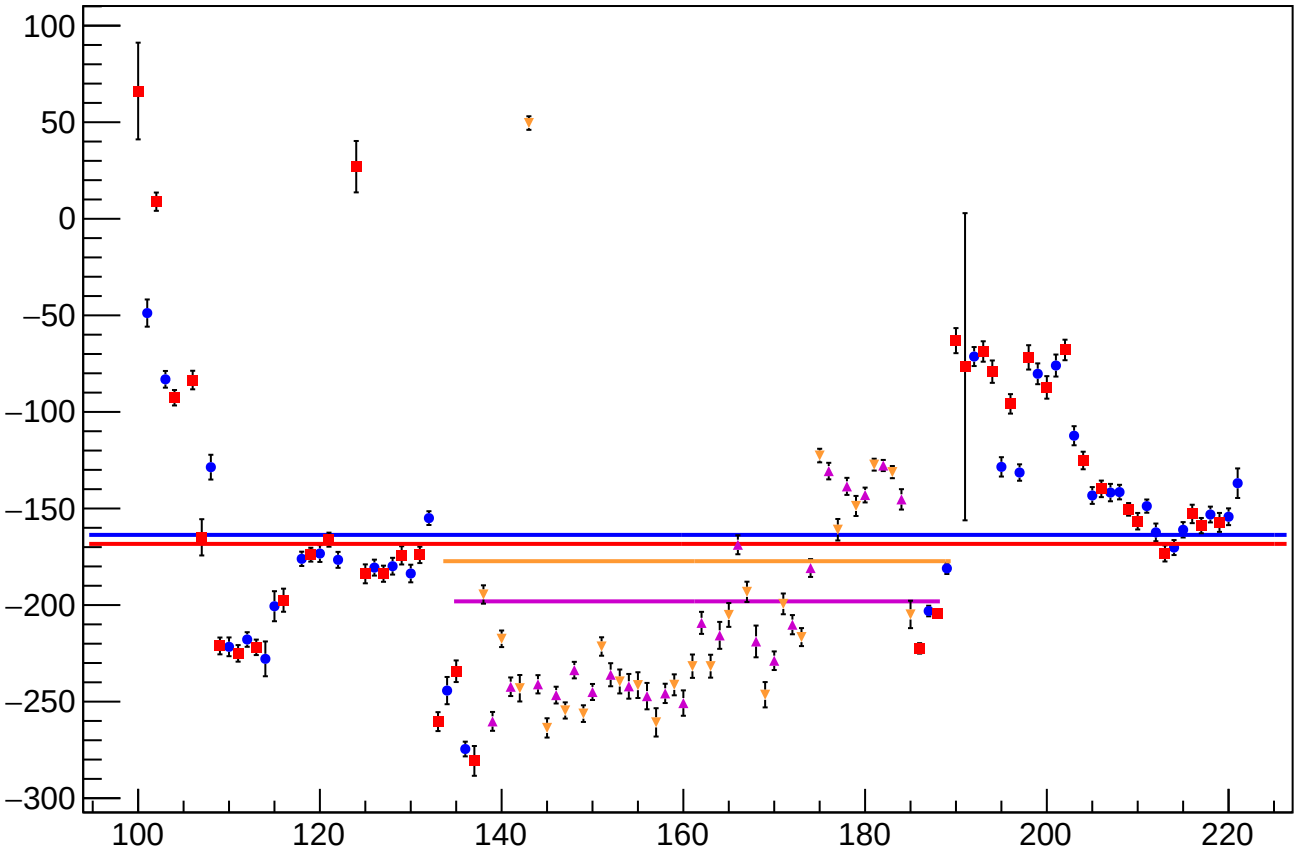
Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

Right: -8.414+/-0.586 χ^2/NDF: 1438.8/70

In: -1.189+/-0.568 χ^2/NDF:1231.4/56

Out: -1.991+/-0.541 χ^2/NDF:1250.4/61

All: -1.610+/-0.392 χ^2/NDF: 2482.9/118



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: -168.330+/-0.688 χ^2/NDF: 6716.6/36

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

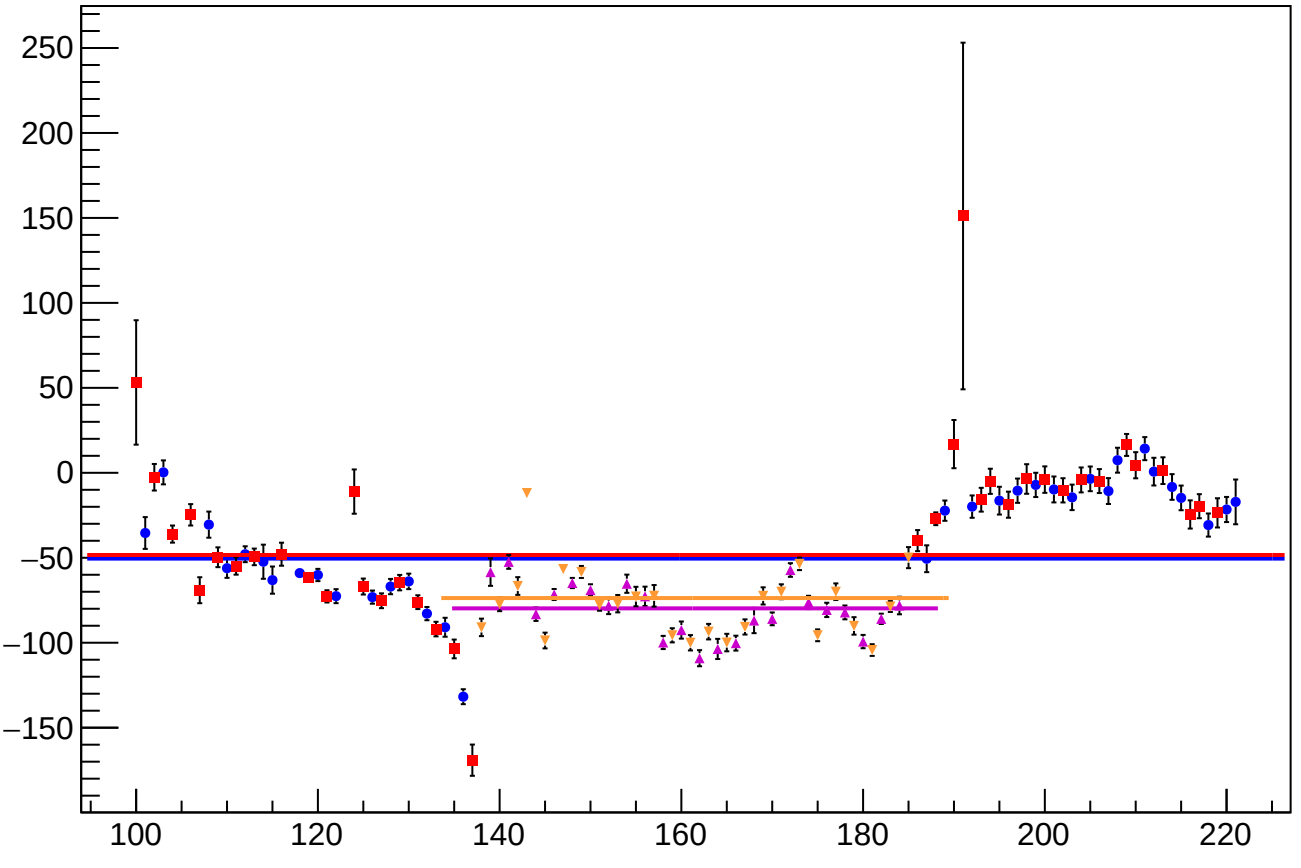
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -166.177+/-0.505 χ^2/NDF: 10271.3/70

In: -175.918+/-0.597 χ^2/NDF:6682.9/56

Out: -171.387+/-0.559 χ^2/NDF:13814.3/61

All: -173.503+/-0.408 χ^2/NDF: 20527.9/118



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: -48.364+/-0.960 χ^2/NDF: 1147.0/36

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

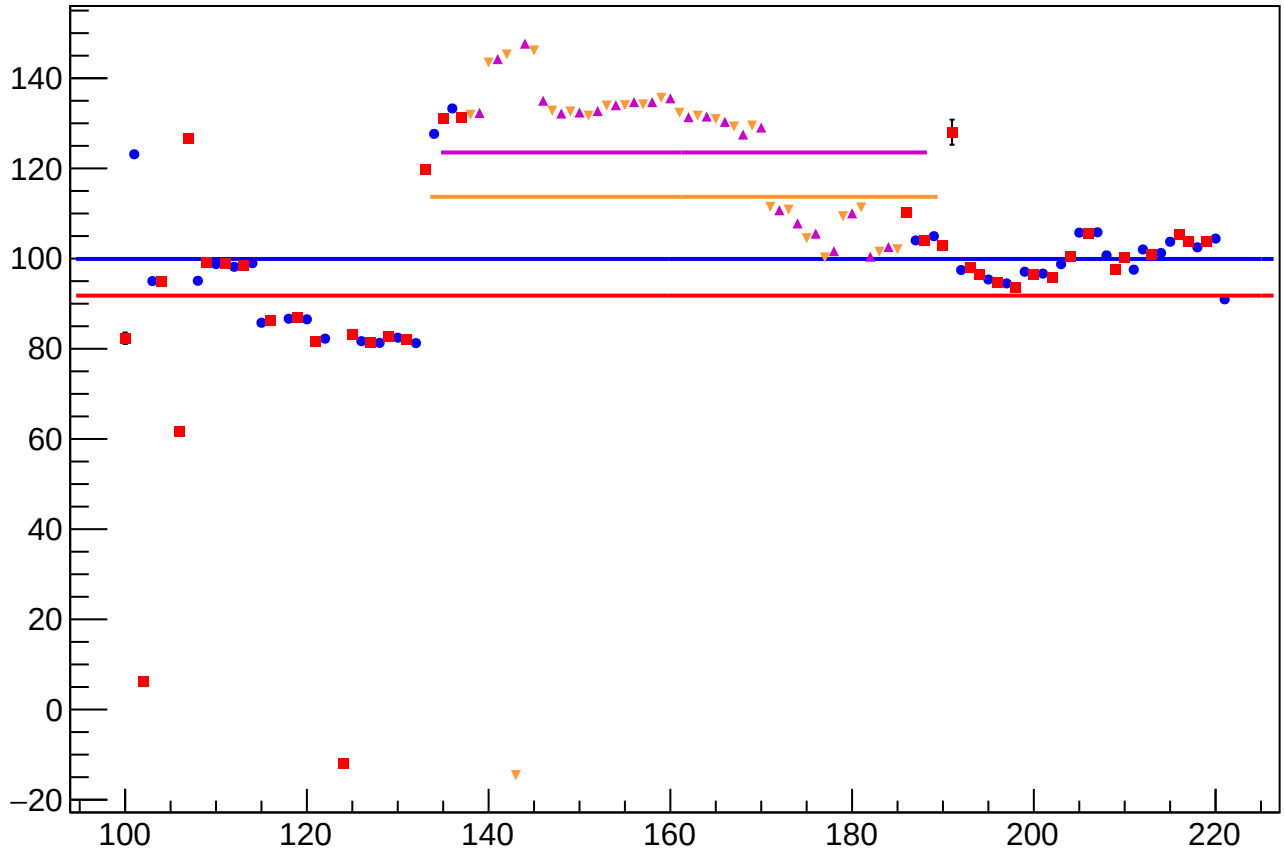
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -49.405+/-0.685 χ^2/NDF: 2305.4/70

In: -66.759+/-0.651 χ^2/NDF:1932.3/56

Out: -62.881+/-0.627 χ^2/NDF:2385.9/61

All: -64.747+/-0.452 χ^2/NDF: 4336.6/118



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: 91.794+/-0.048 χ^2/NDF: 291723.9/36

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

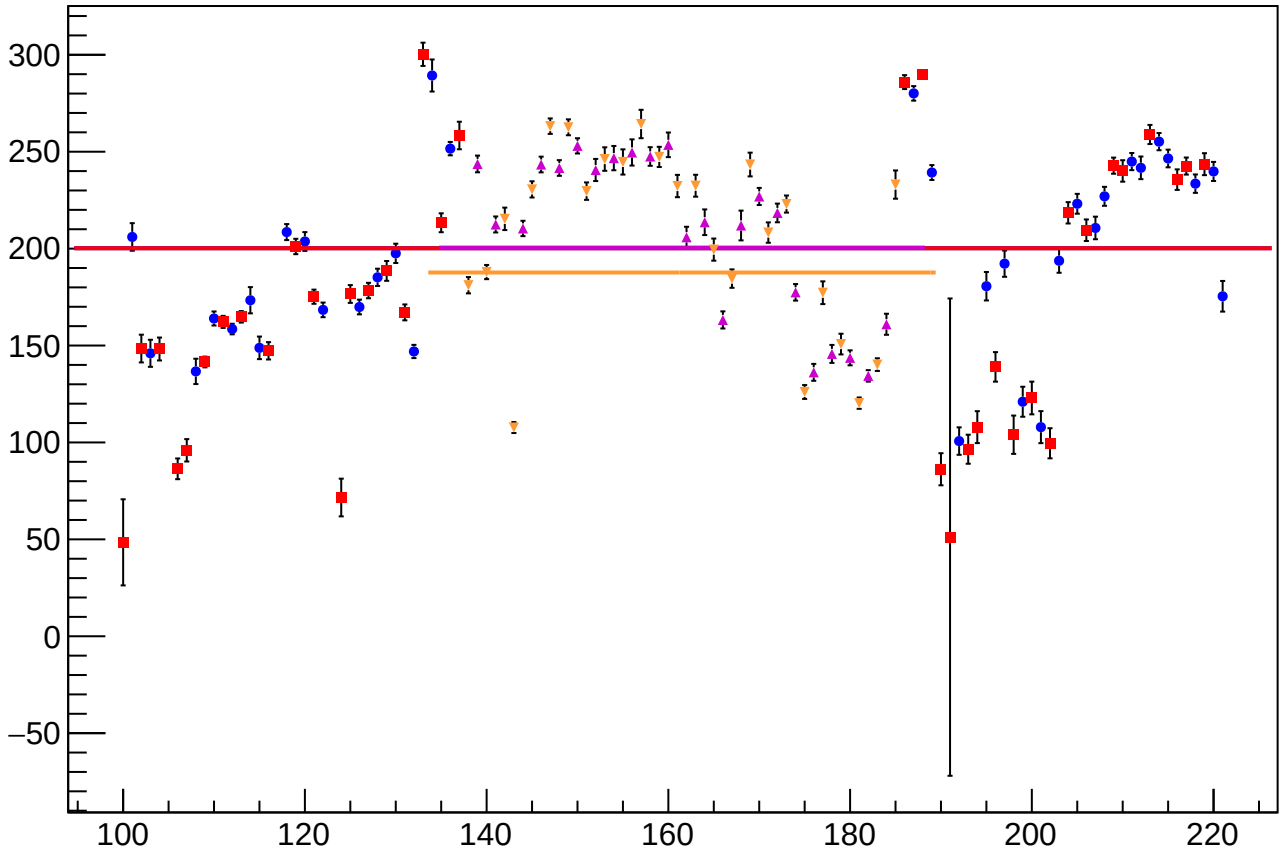
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 95.679+/-0.035 χ^2/NDF: 375692.5/70

In: 114.570+/-0.031 χ^2/NDF:340076.7/56

Out: 105.252+/-0.030 χ^2/NDF:1380388.9/61

All: 109.739+/-0.022 χ^2/NDF: 1766702.3/118



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: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

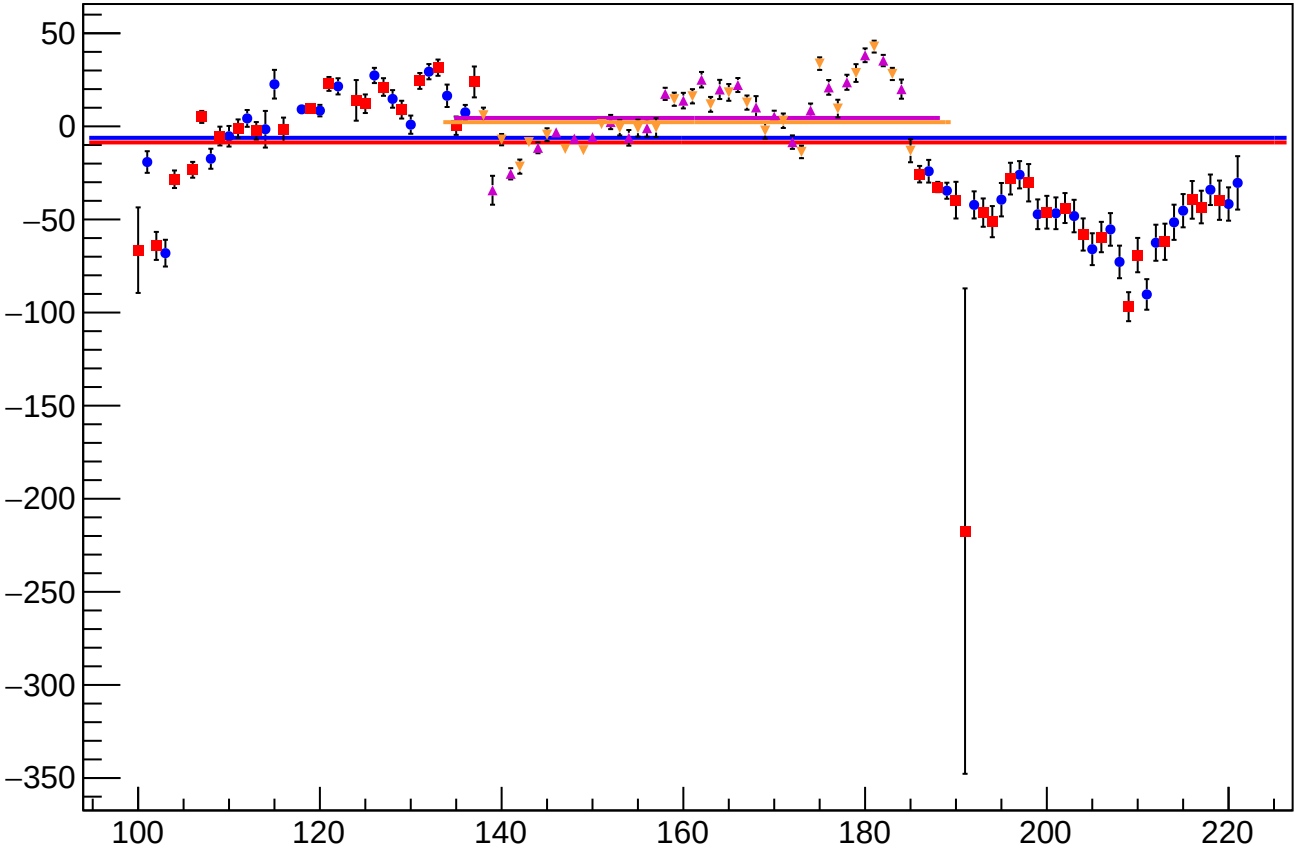
Right: 200.200+/-0.559 χ^2/NDF: 9477.5/70

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.934+/-0.582 χ^2/NDF:10222.7/61

All: 197.458+/-0.425 χ^2/NDF: 15270.2/118

reg_asym_atl_dd_atr_dd_avg_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: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

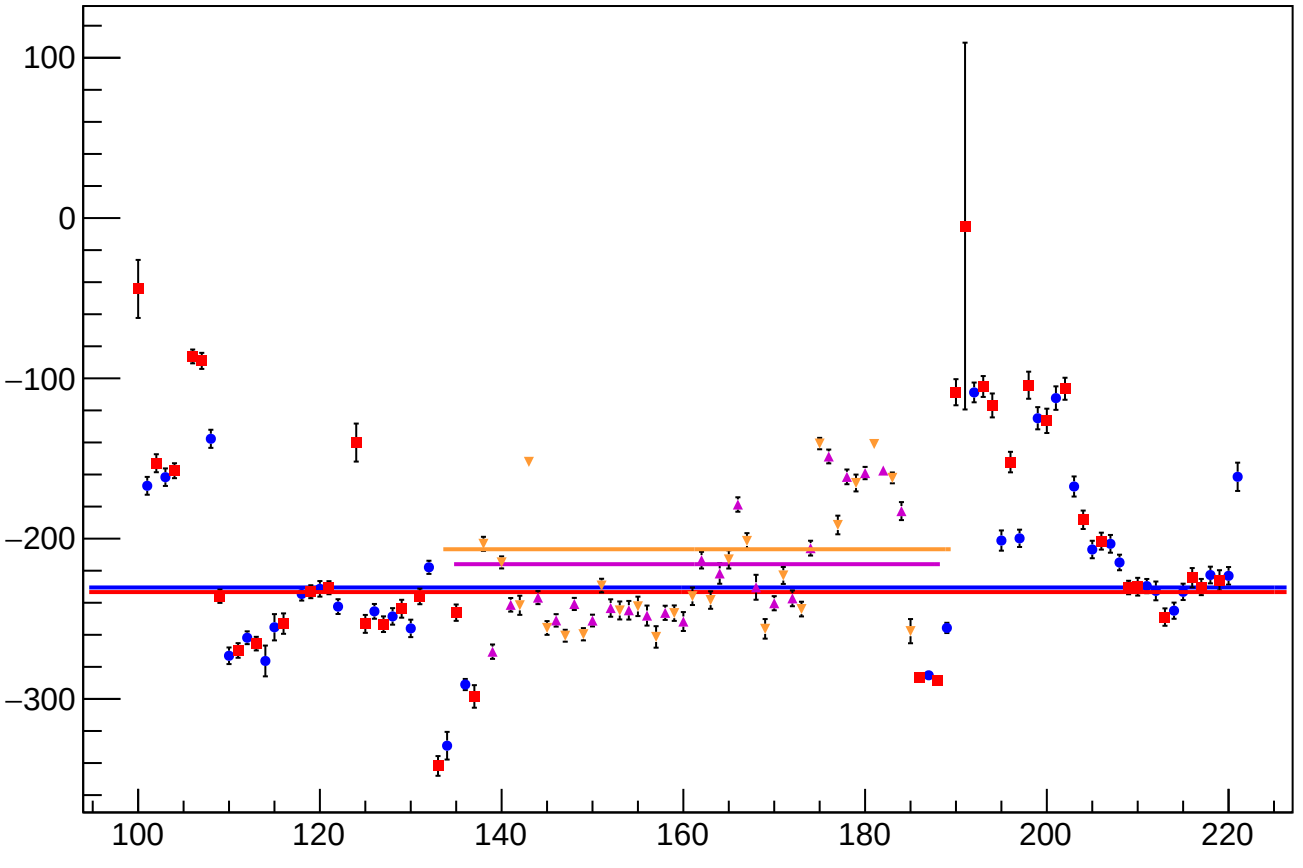
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.483+/-0.650 χ^2/NDF: 1897.3/70

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.570+/-0.390 χ^2/NDF: 3226.8/118



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: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

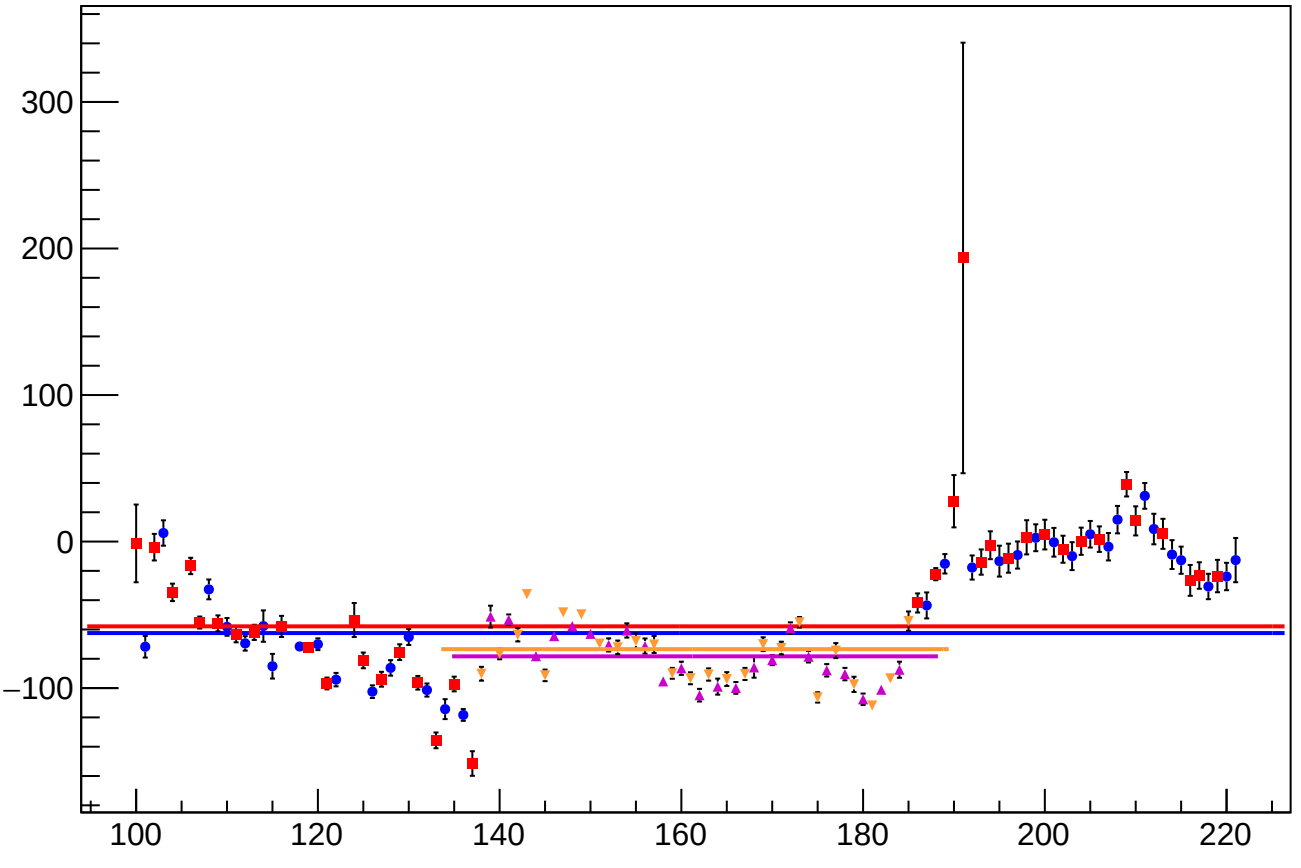
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.047+/-0.577 χ^2/NDF: 9436.0/70

In: -223.879+/-0.637 χ^2/NDF:4598.2/56

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.779+/-0.432 χ^2/NDF: 14252.2/118



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: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

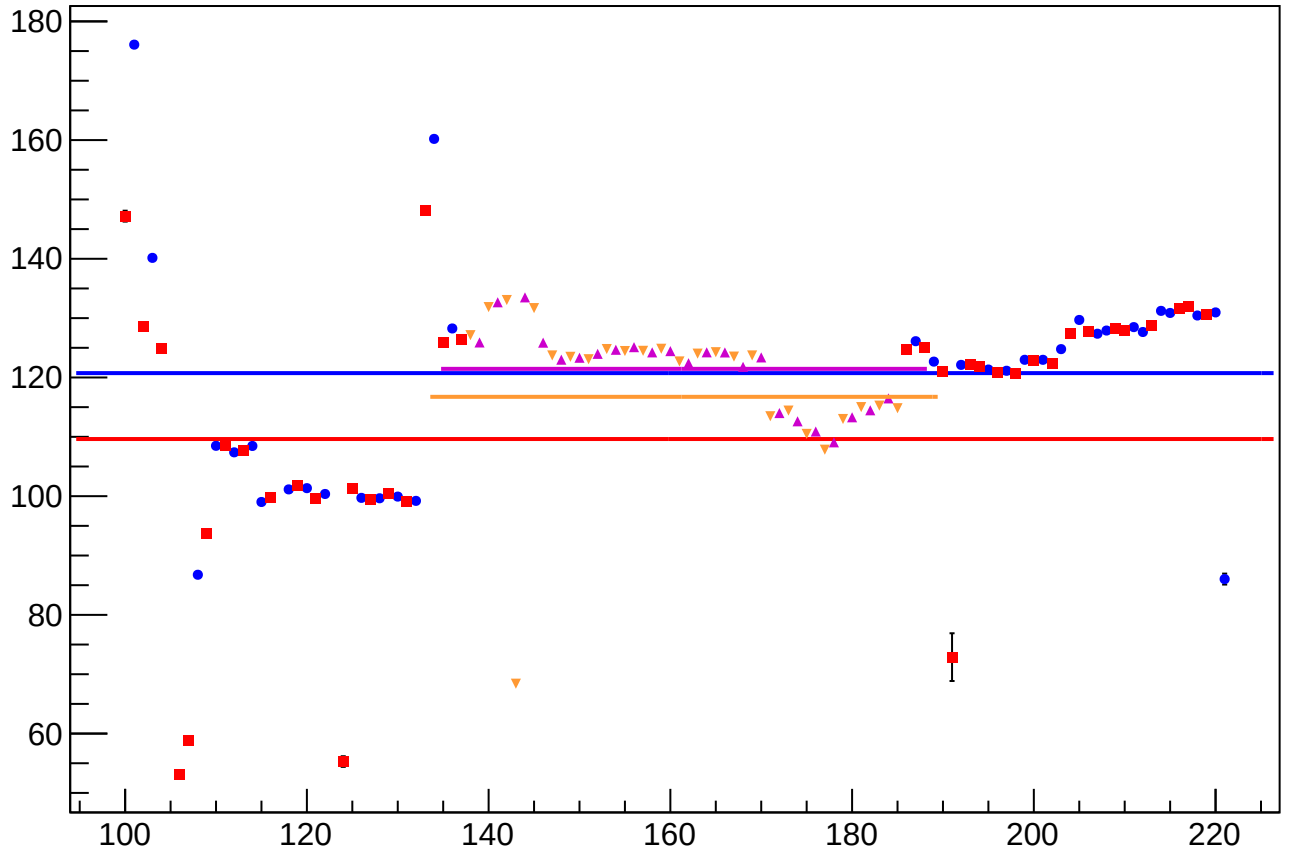
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -60.042+/-0.764 χ^2/NDF: 2673.9/70

In: -72.725+/-0.658 χ^2/NDF:1844.2/56

Out: -68.047+/-0.621 χ^2/NDF:2376.1/61

All: -70.250+/-0.451 χ^2/NDF: 4247.1/118



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: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

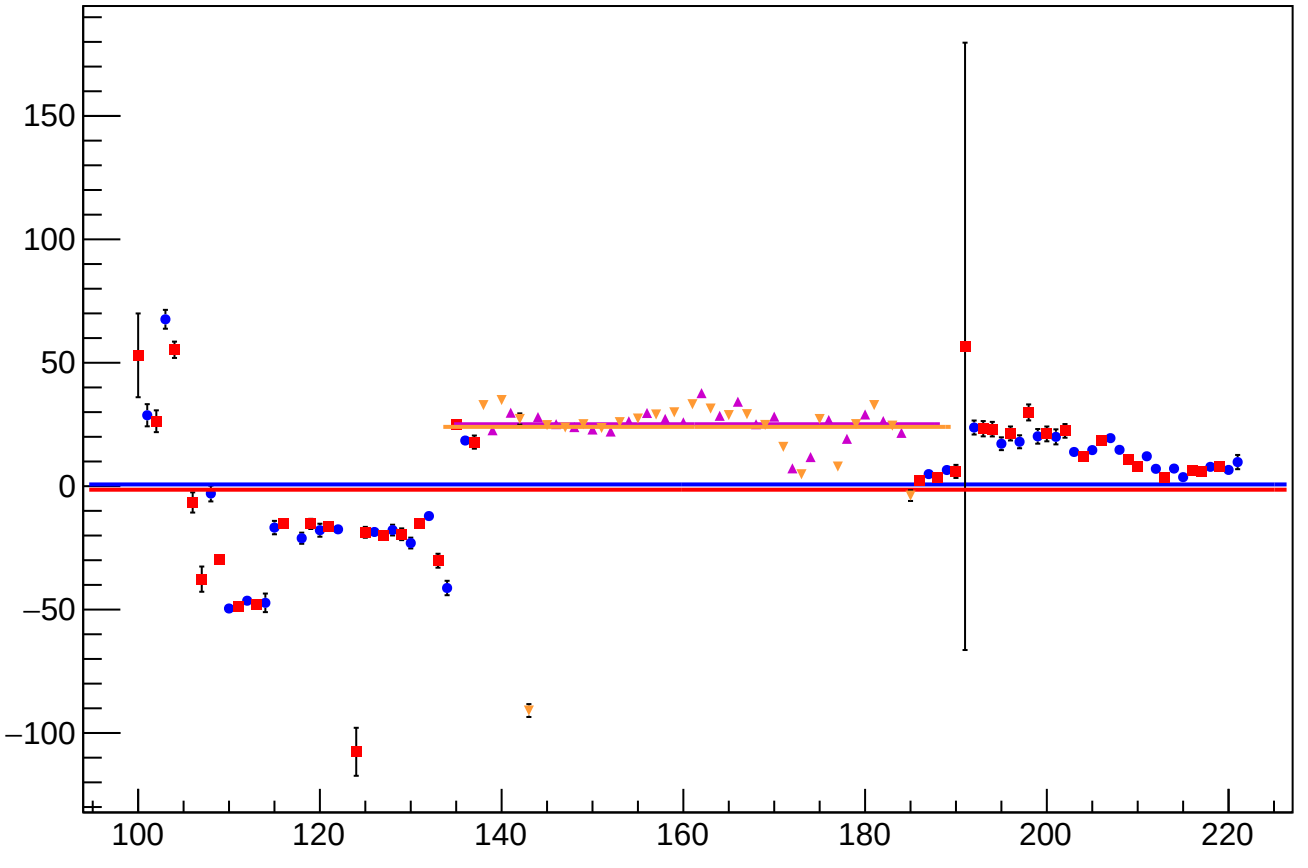
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.770+/-0.040 χ^2/NDF: 339343.2/70

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.746+/-0.022 χ^2/NDF: 588096.2/118



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: -1.434+/-0.332 χ^2/NDF: 3970.4/36

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

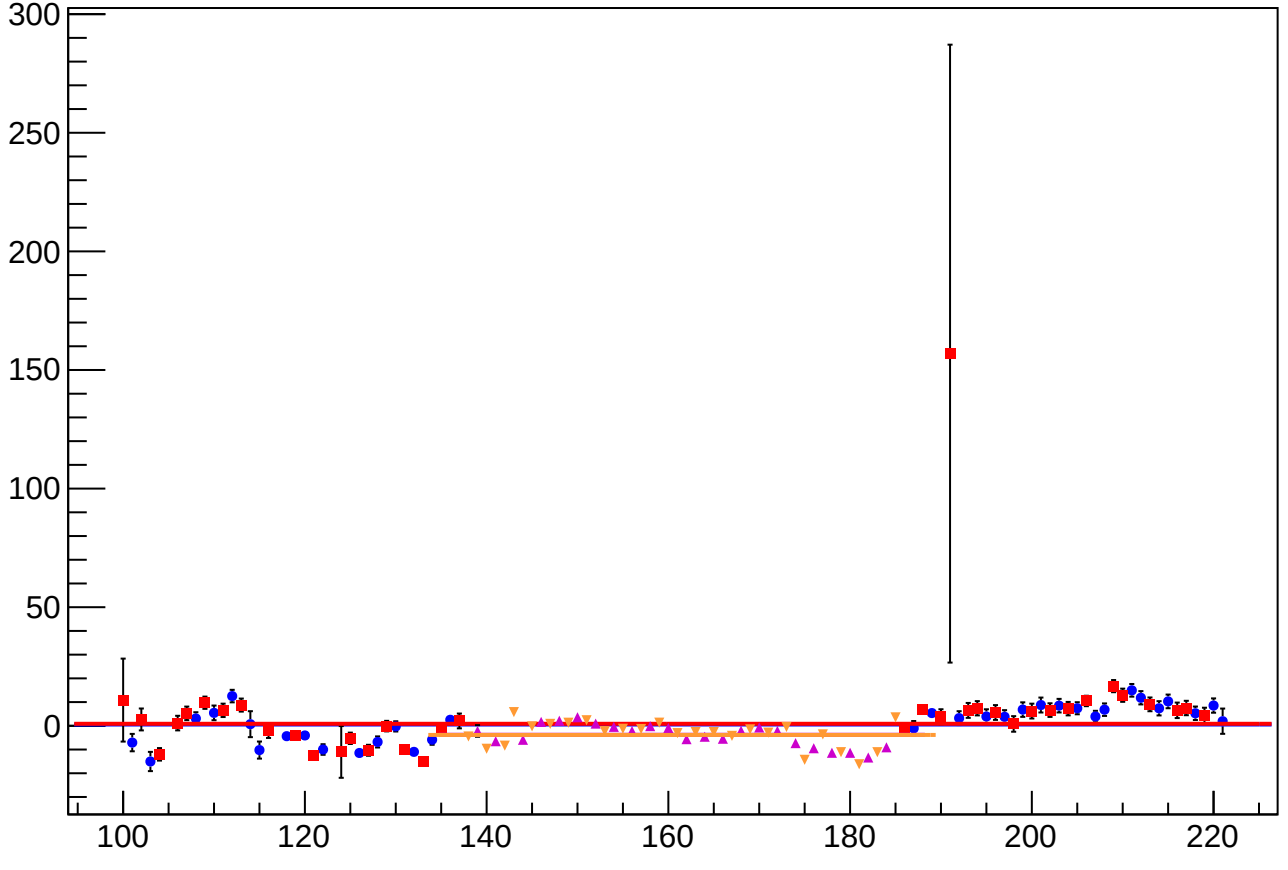
Right: -0.385+/-0.237 χ^2/NDF: 7747.6/70

In: 14.847+/-0.219 χ^2/NDF:7280.0/56

Out: 13.337+/-0.215 χ^2/NDF:10193.9/61

All: 14.078+/-0.153 χ^2/NDF: 17498.2/118

reg_asym_atl_dd_atr_dd_dd_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: 0.852+/-0.417 χ^2/NDF: 364.6/36

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

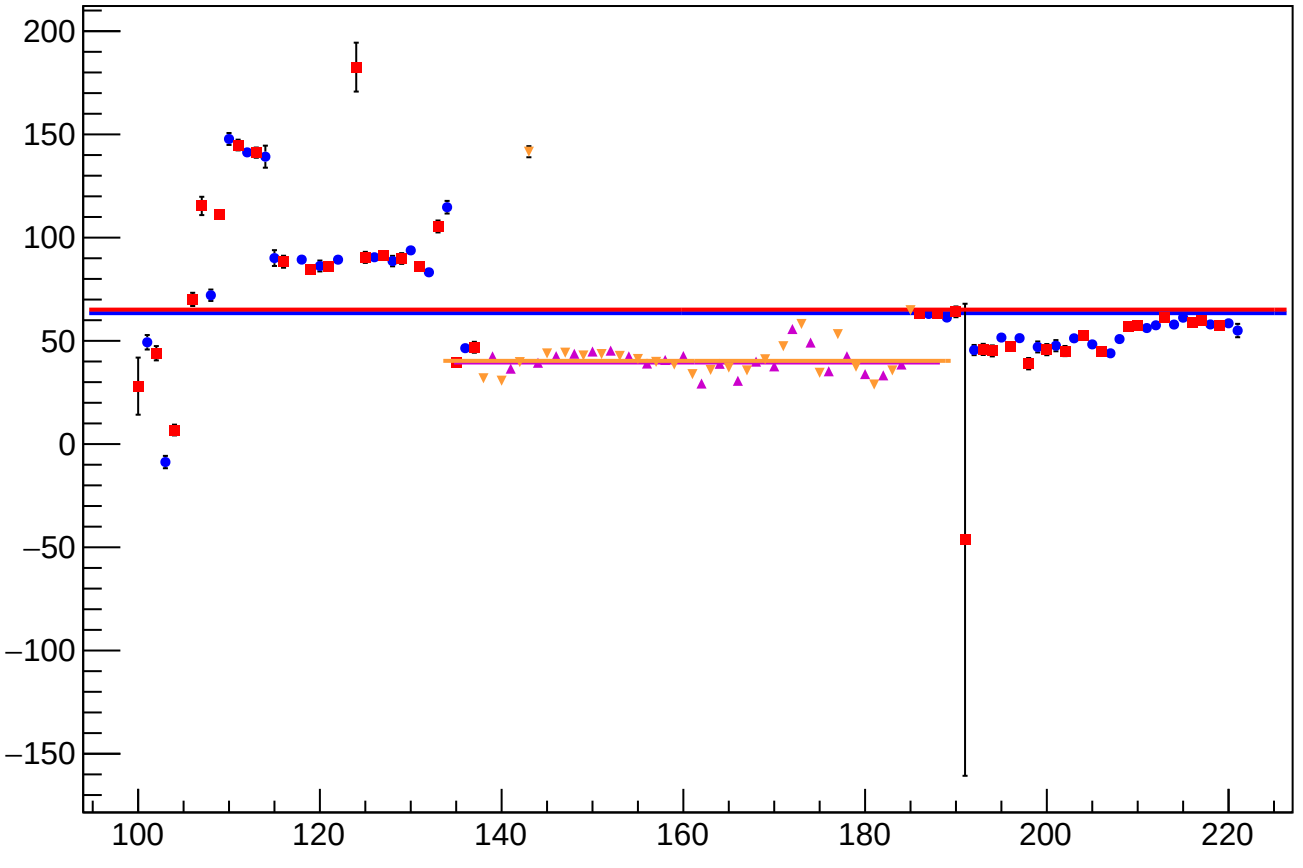
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.706+/-0.298 χ^2/NDF: 661.7/70

In: -2.842+/-0.198 χ^2/NDF:888.0/56

Out: -2.837+/-0.193 χ^2/NDF:1113.8/61

All: -2.839+/-0.138 χ^2/NDF: 2001.8/118



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: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

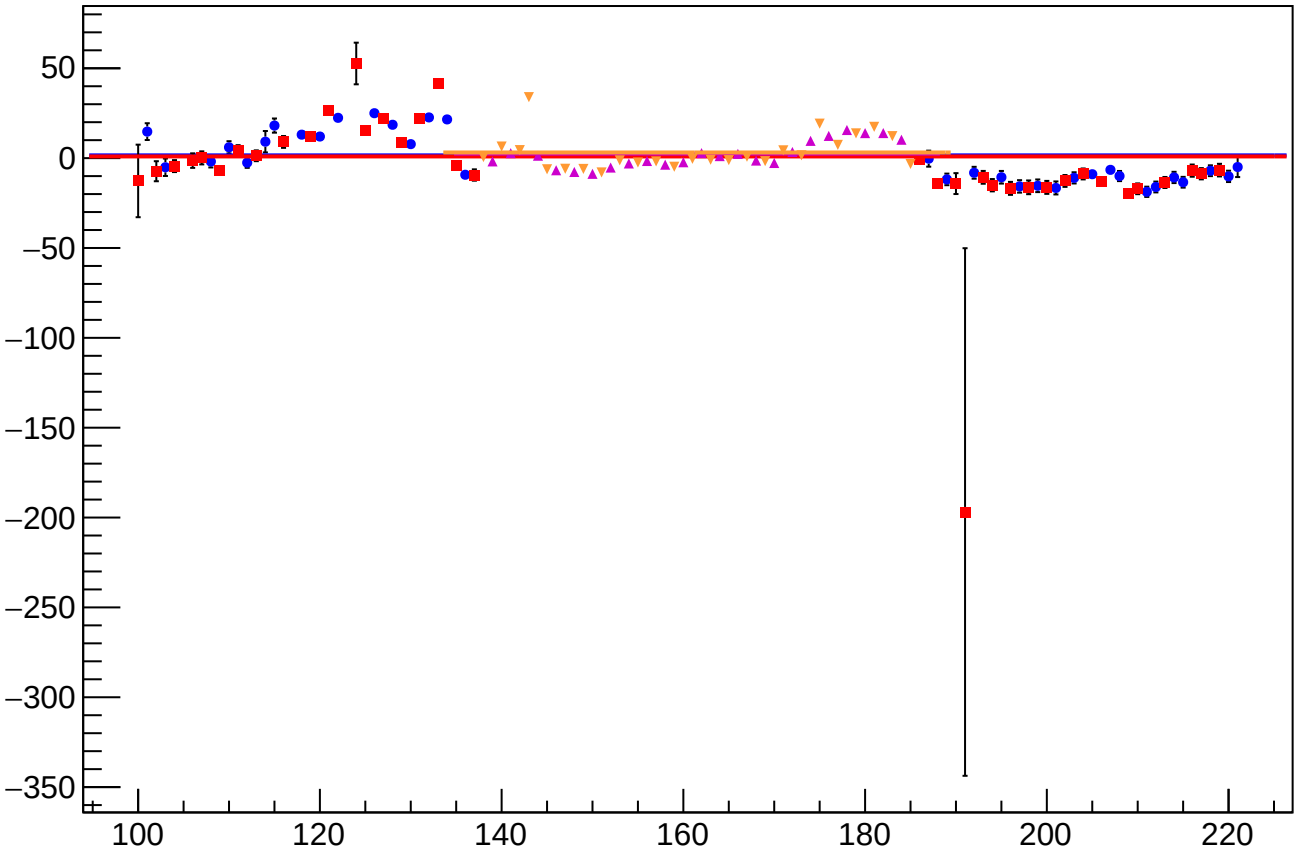
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.308+/-0.242 χ^2/NDF: 9588.7/70

In: 49.005+/-0.221 χ^2/NDF:7936.9/56

Out: 50.517+/-0.215 χ^2/NDF:10281.1/61

All: 49.782+/-0.154 χ^2/NDF: 18242.1/118



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: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

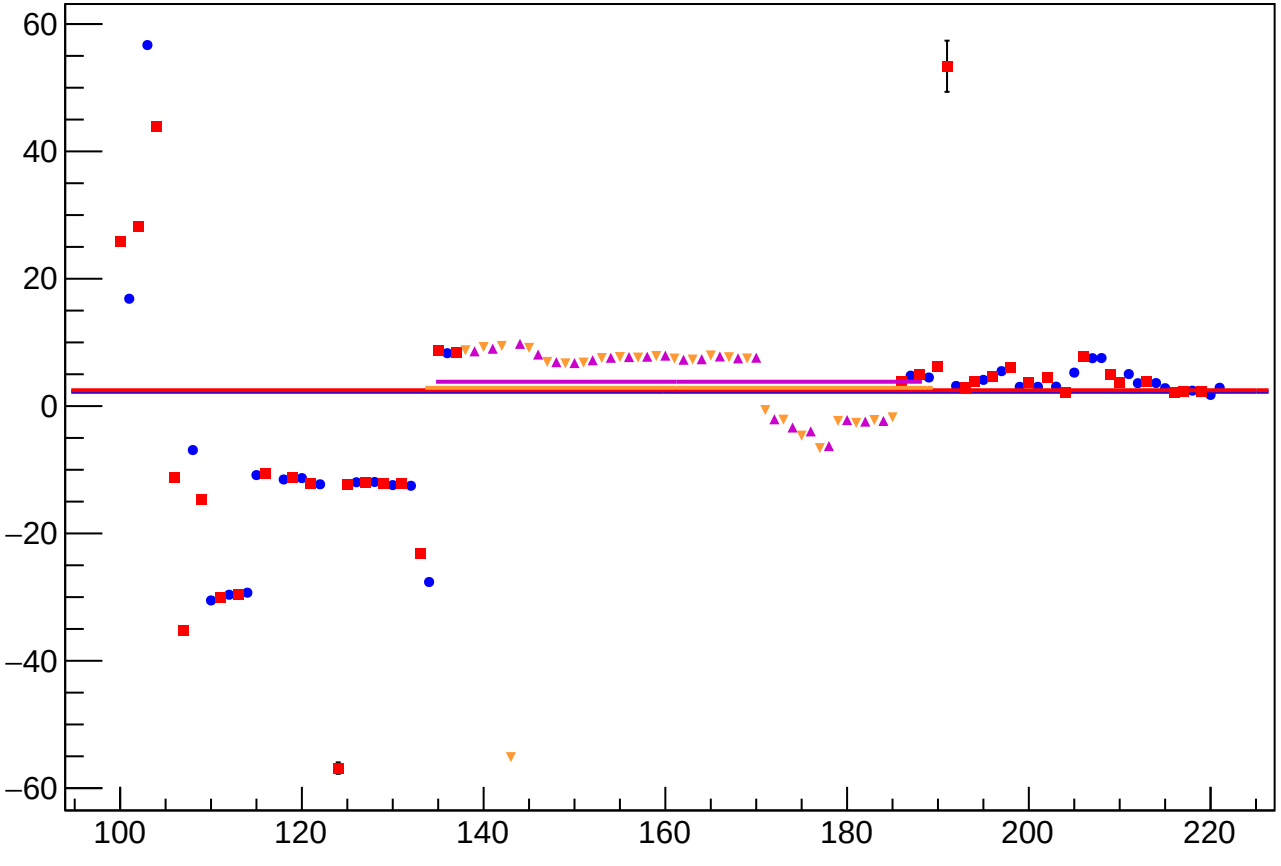
Right: 1.244+/-0.342 χ^2/NDF: 1922.6/70

In: 2.309+/-0.223 χ^2/NDF:1846.3/56

Out: 2.694+/-0.219 χ^2/NDF:2330.4/61

All: 2.505+/-0.156 χ^2/NDF: 4178.2/118

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: 2.488+/-0.023 χ^2/NDF: 330763.0/36

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

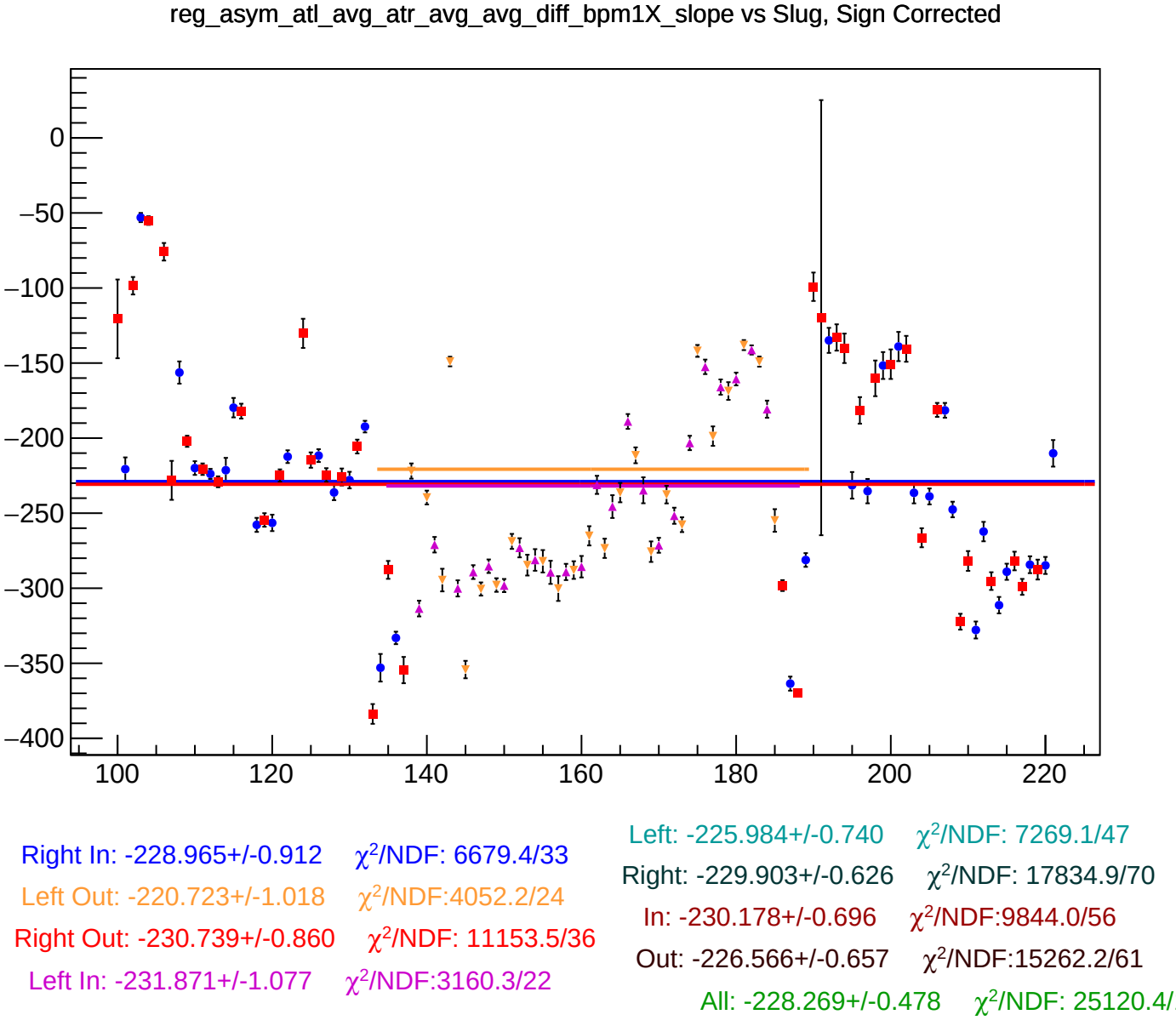
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.368+/-0.016 χ^2/NDF: 713839.9/70

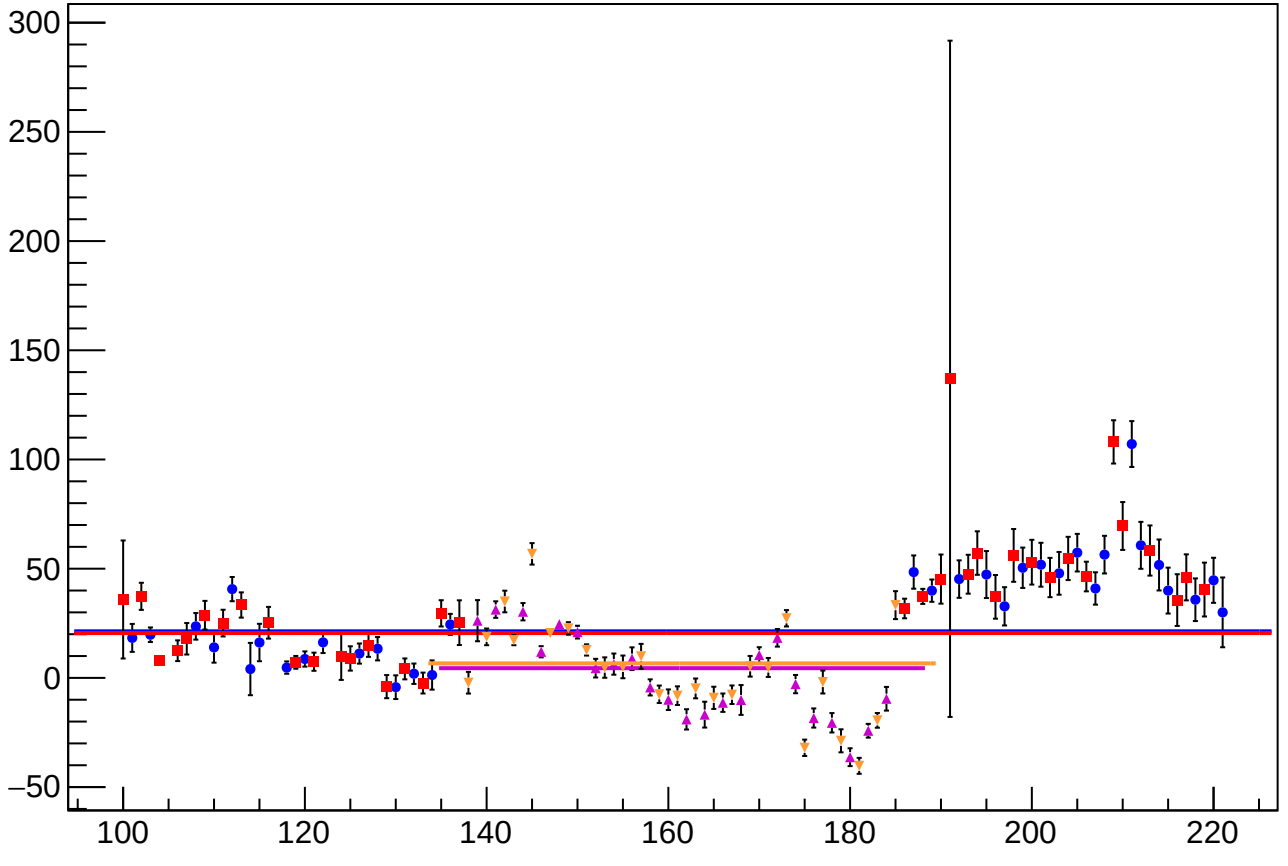
In: 3.530+/-0.010 χ^2/NDF:620016.6/56

Out: 2.801+/-0.010 χ^2/NDF:843312.8/61

All: 3.163+/-0.007 χ^2/NDF: 1466000.7/118


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: -230.739+/-0.860 χ²/NDF: 11153.5/36
Left In: -231.871+/-1.077 χ²/NDF:3160.3/22
Left: -225.984+/-0.740 χ²/NDF: 7269.1/47
Right: -229.903+/-0.626 χ²/NDF: 17834.9/70
In: -230.178+/-0.696 χ²/NDF:9844.0/56
Out: -226.566+/-0.657 χ²/NDF:15262.2/61
All: -228.269+/-0.478 χ²/NDF: 25120.4/118

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: 20.524+/-0.963 χ^2/NDF: 377.1/36

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

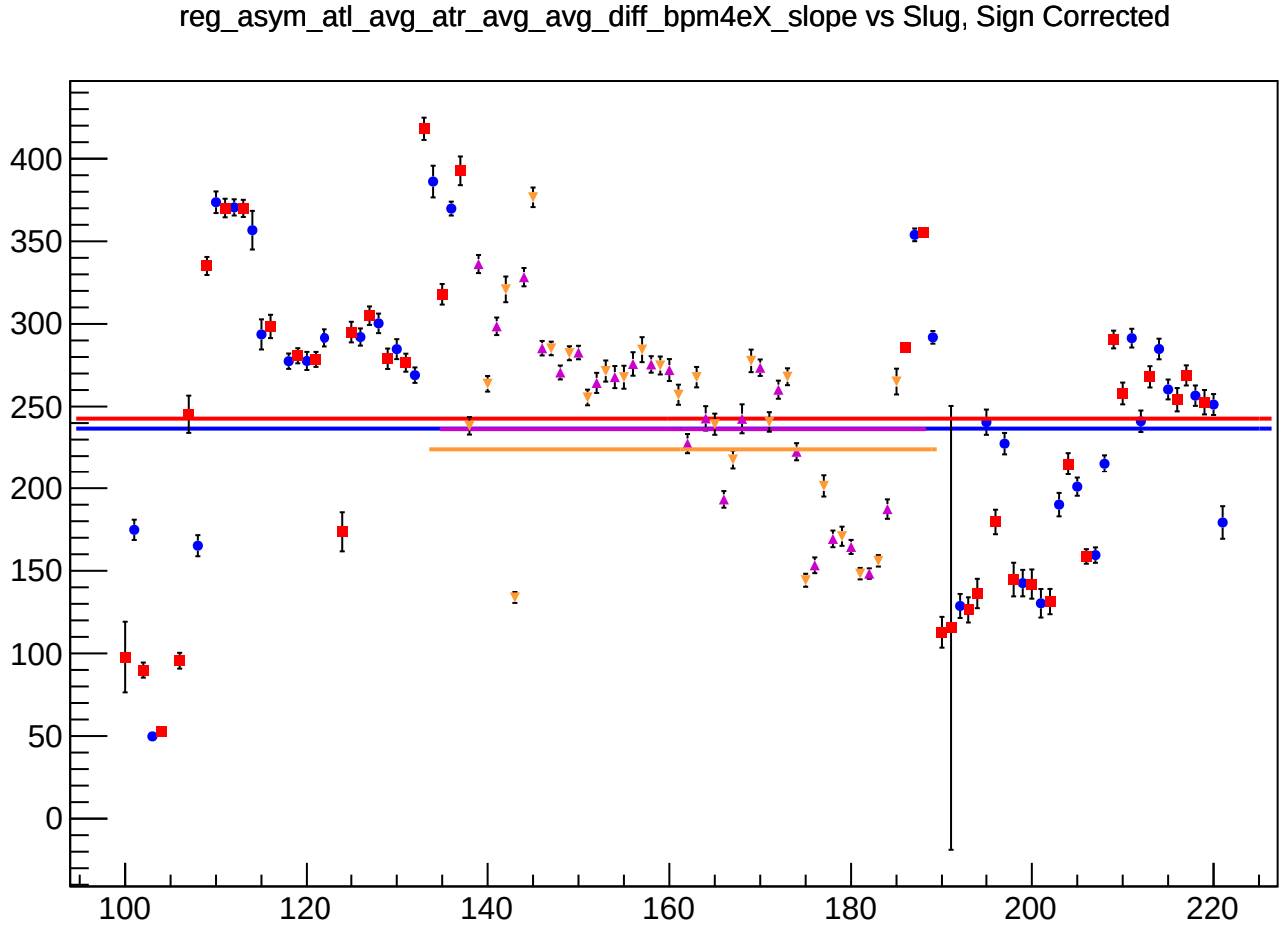
Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

Right: 20.890+/-0.708 χ^2/NDF: 705.2/70

In: 10.758+/-0.639 χ^2/NDF:1058.3/56

Out: 11.905+/-0.593 χ^2/NDF:1241.1/61

All: 11.374+/-0.434 χ^2/NDF: 2301.2/118



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: 242.694+/-0.849 χ^2/NDF: 17102.3/36

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

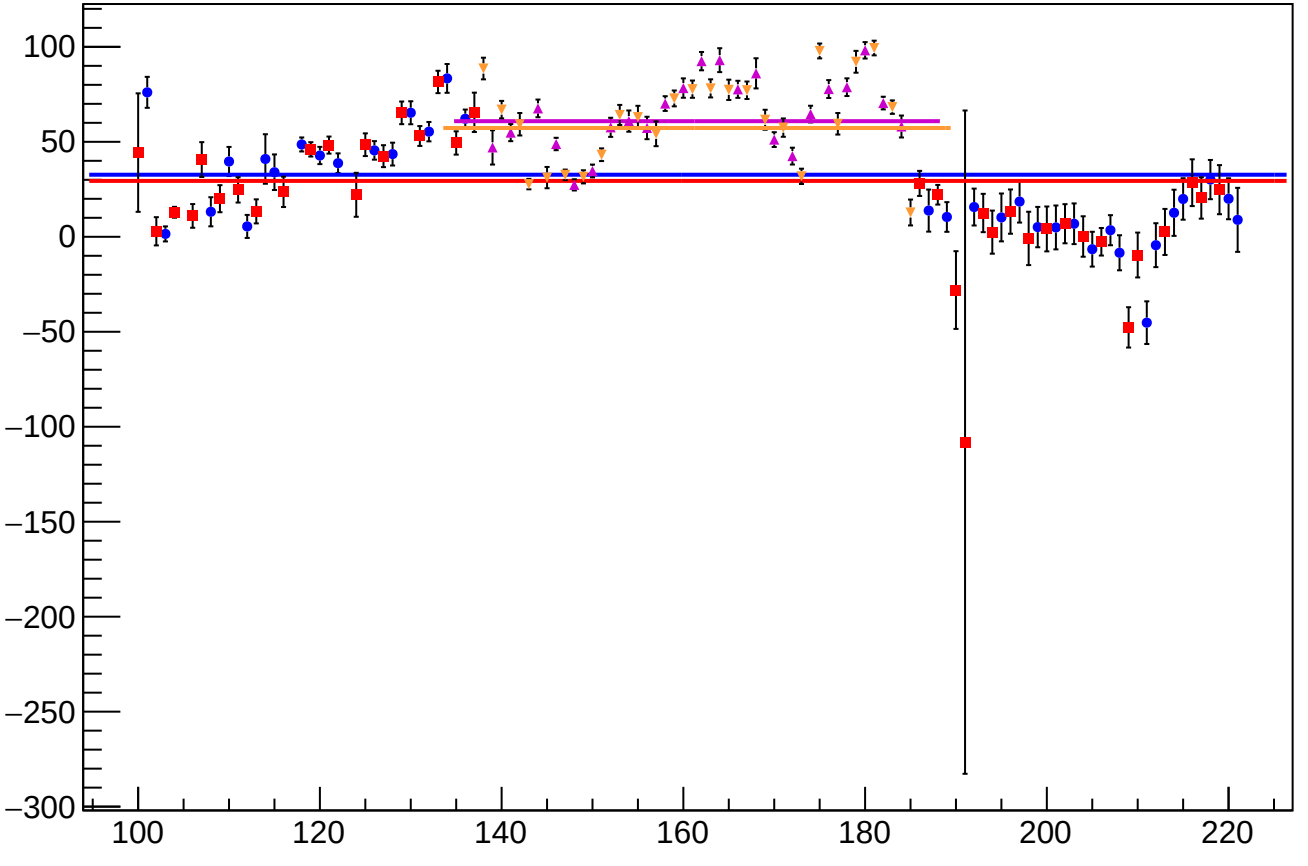
Right: 239.943+/-0.626 χ^2/NDF: 28769.2/70

In: 236.521+/-0.700 χ^2/NDF:14636.9/56

Out: 235.038+/-0.651 χ^2/NDF:21266.2/61

All: 235.725+/-0.477 χ^2/NDF: 35905.5/118

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 29.429+/-1.149 χ^2/NDF: 407.3/36

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

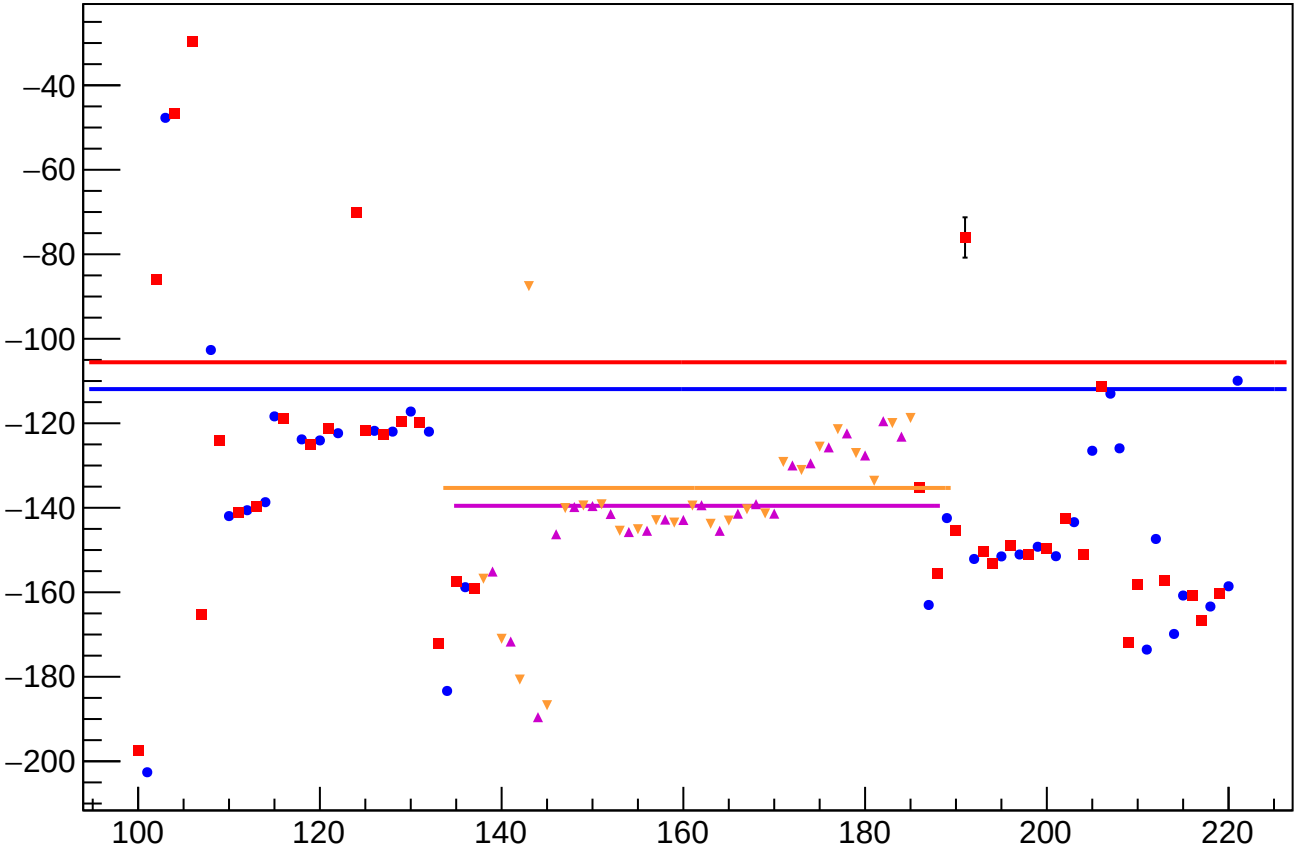
Right: 30.965+/-0.834 χ^2/NDF: 849.6/70

In: 50.556+/-0.735 χ^2/NDF:1235.2/56

Out: 47.165+/-0.693 χ^2/NDF:1549.5/61

All: 48.761+/-0.504 χ^2/NDF: 2795.9/118

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -105.560+/-0.055 χ^2/NDF: 777307.3/36

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

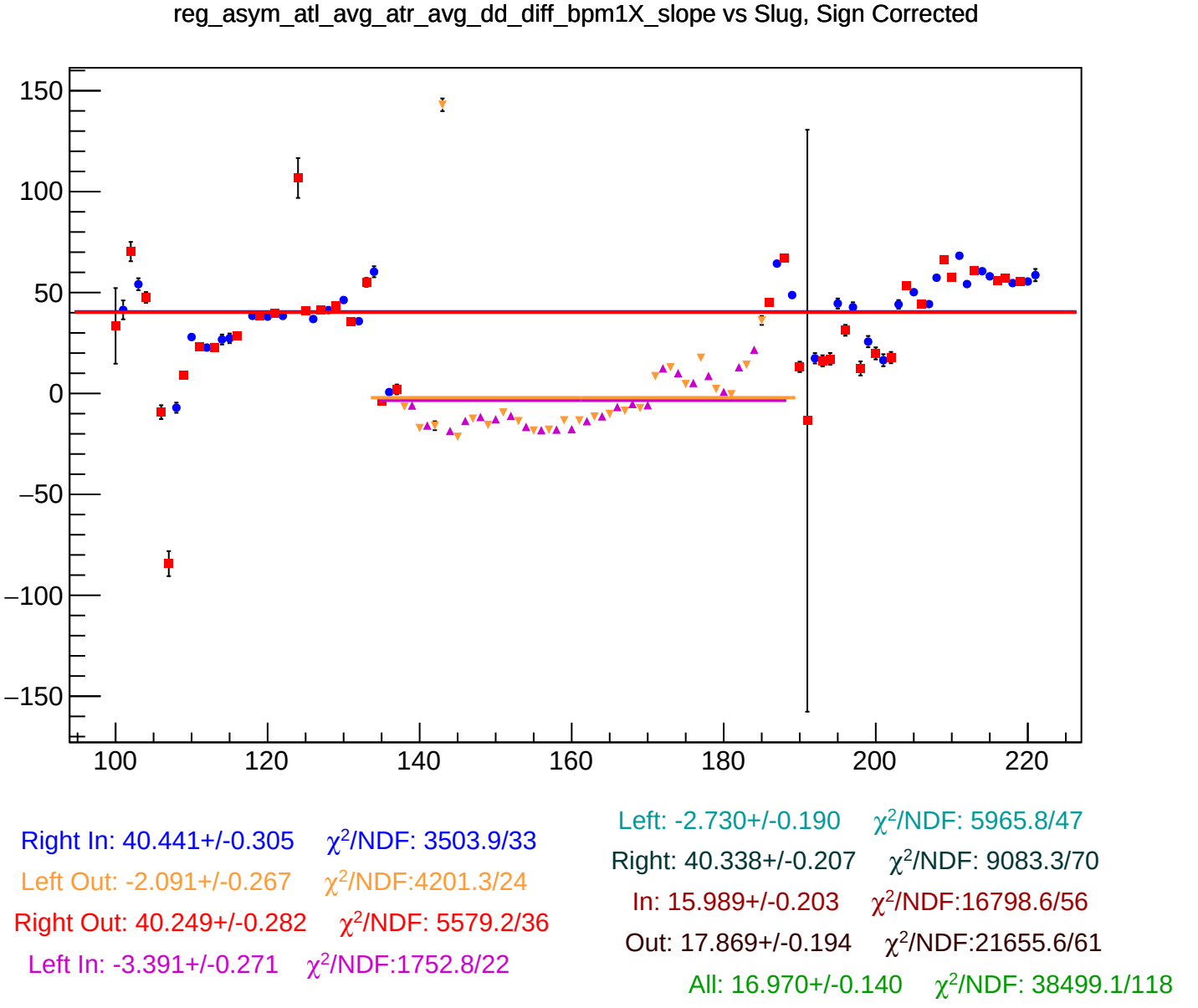
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

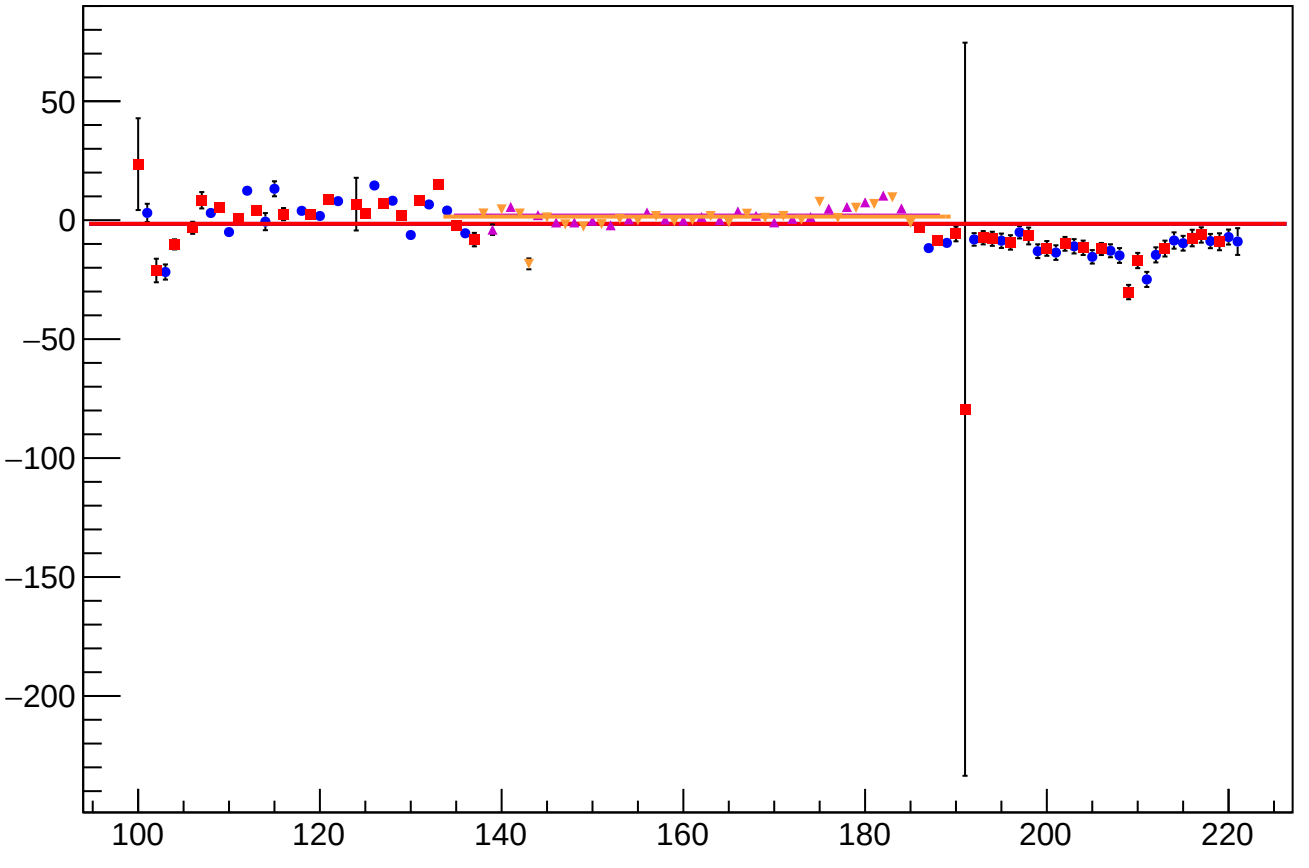
Right: -108.644+/-0.039 χ^2/NDF: 1497187.7/70

In: -129.690+/-0.034 χ^2/NDF:981215.3/56

Out: -124.822+/-0.033 χ^2/NDF:1229579.9/61

All: -127.173+/-0.023 χ^2/NDF: 2221532.0/11


reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: 40.441+/-0.305 χ²/NDF: 3503.9/33
Left Out: -2.091+/-0.267 χ²/NDF:4201.3/24
Right Out: 40.249+/-0.282 χ²/NDF: 5579.2/36
Left In: -3.391+/-0.271 χ²/NDF:1752.8/22
Left: -2.730+/-0.190 χ²/NDF: 5965.8/47
Right: 40.338+/-0.207 χ²/NDF: 9083.3/70
In: 15.989+/-0.203 χ²/NDF:16798.6/56
Out: 17.869+/-0.194 χ²/NDF:21655.6/61
All: 16.970+/-0.140 χ²/NDF: 38499.1/118



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: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

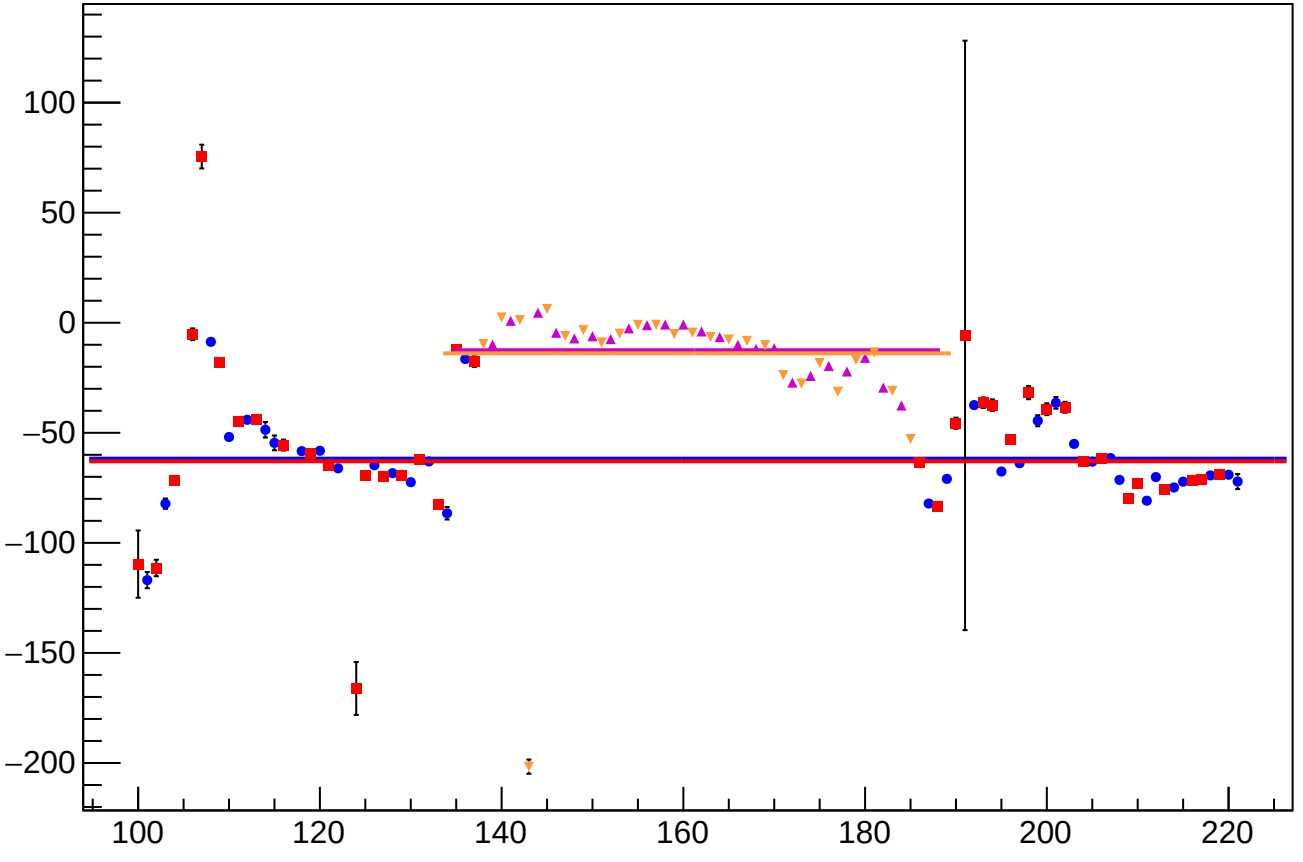
Right: -1.549+/-0.251 χ^2/NDF: 1158.0/70

In: 1.059+/-0.182 χ^2/NDF:919.5/56

Out: 0.706+/-0.176 χ^2/NDF:933.2/61

All: 0.876+/-0.127 χ^2/NDF: 1854.7/118

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: -62.948+/-0.282 χ^2/NDF: 5722.2/36

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

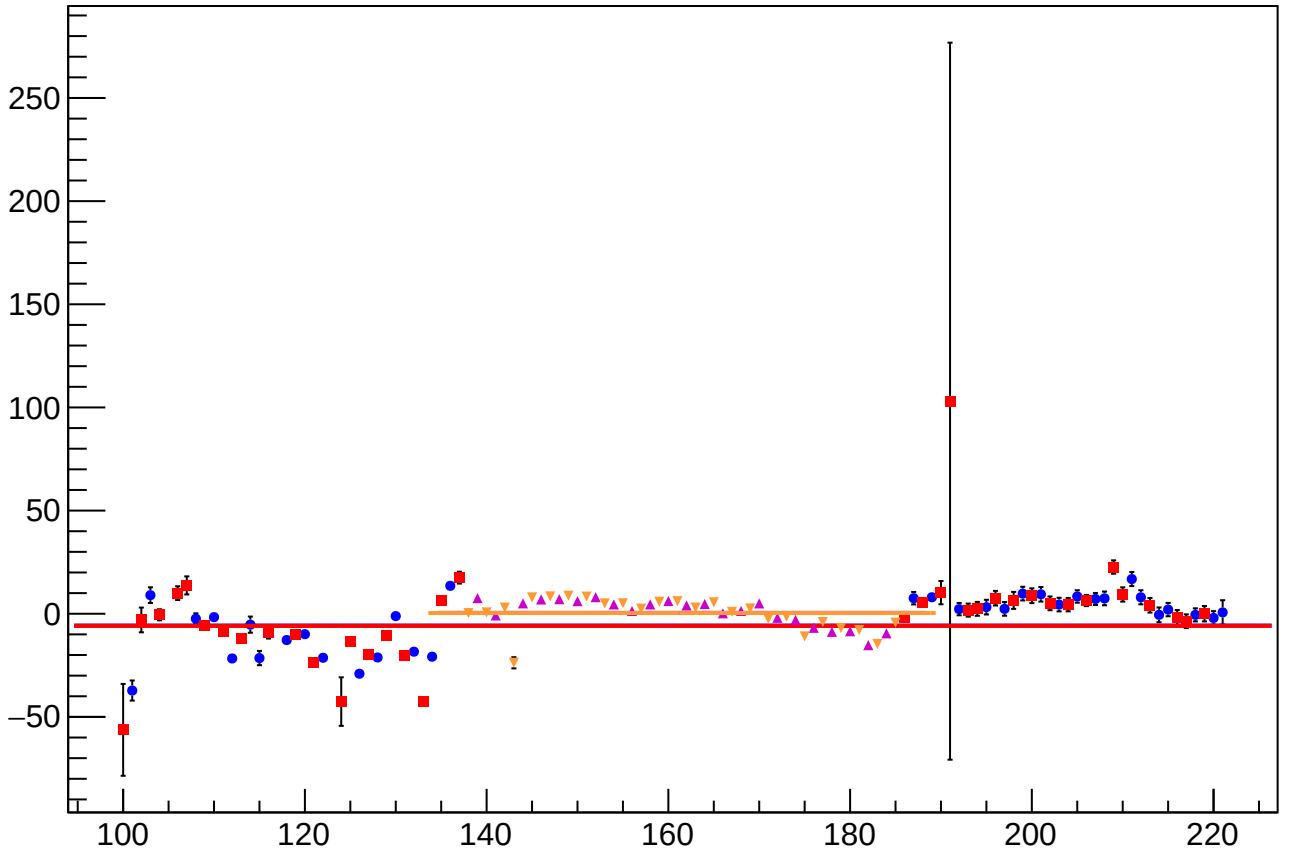
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -62.423+/-0.211 χ^2/NDF: 9437.1/70

In: -33.028+/-0.205 χ^2/NDF:19147.7/56

Out: -36.882+/-0.193 χ^2/NDF:26929.5/61

All: -35.073+/-0.141 χ^2/NDF: 46264.4/118



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: -5.894+/-0.412 χ^2/NDF: 1054.4/36

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

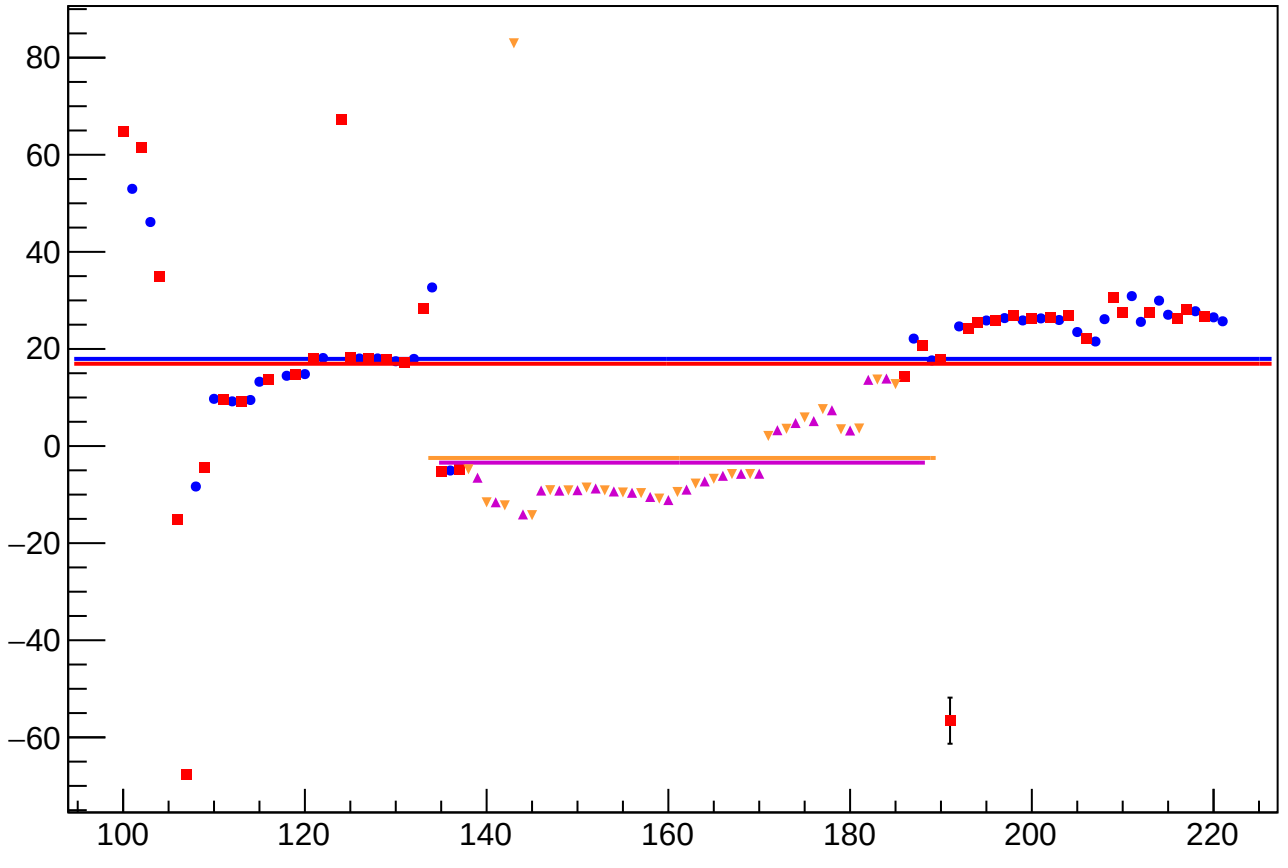
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.806+/-0.295 χ^2/NDF: 2069.8/70

In: -1.042+/-0.206 χ^2/NDF:1959.3/56

Out: -1.148+/-0.202 χ^2/NDF:2150.4/61

All: -1.096+/-0.144 χ^2/NDF: 4109.8/118



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: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

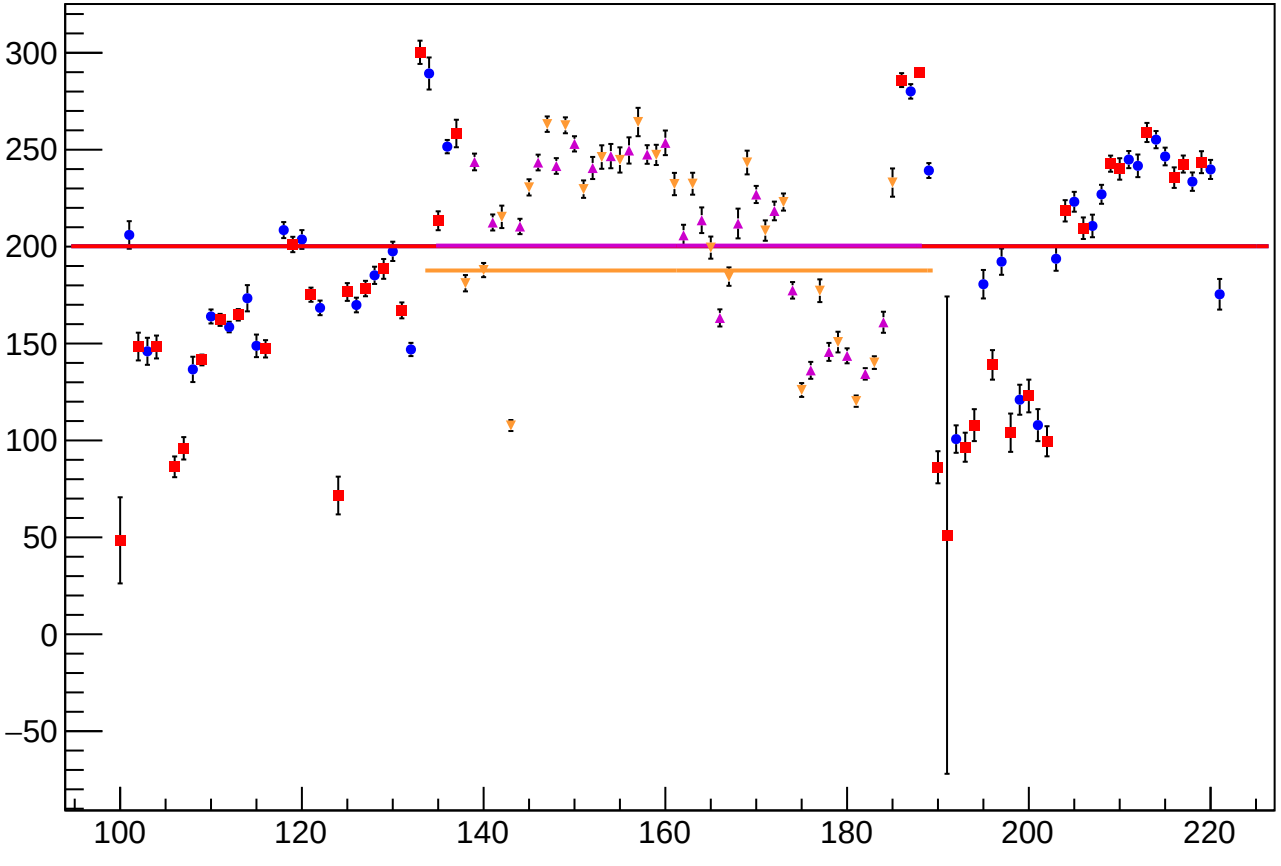
Right: 17.455+/-0.015 χ^2/NDF: 1044704.5/70

In: 0.685+/-0.009 χ^2/NDF:1812060.1/56

Out: 1.212+/-0.009 χ^2/NDF:2208077.6/61

All: 0.950+/-0.007 χ^2/NDF: 4021724.1/118

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: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

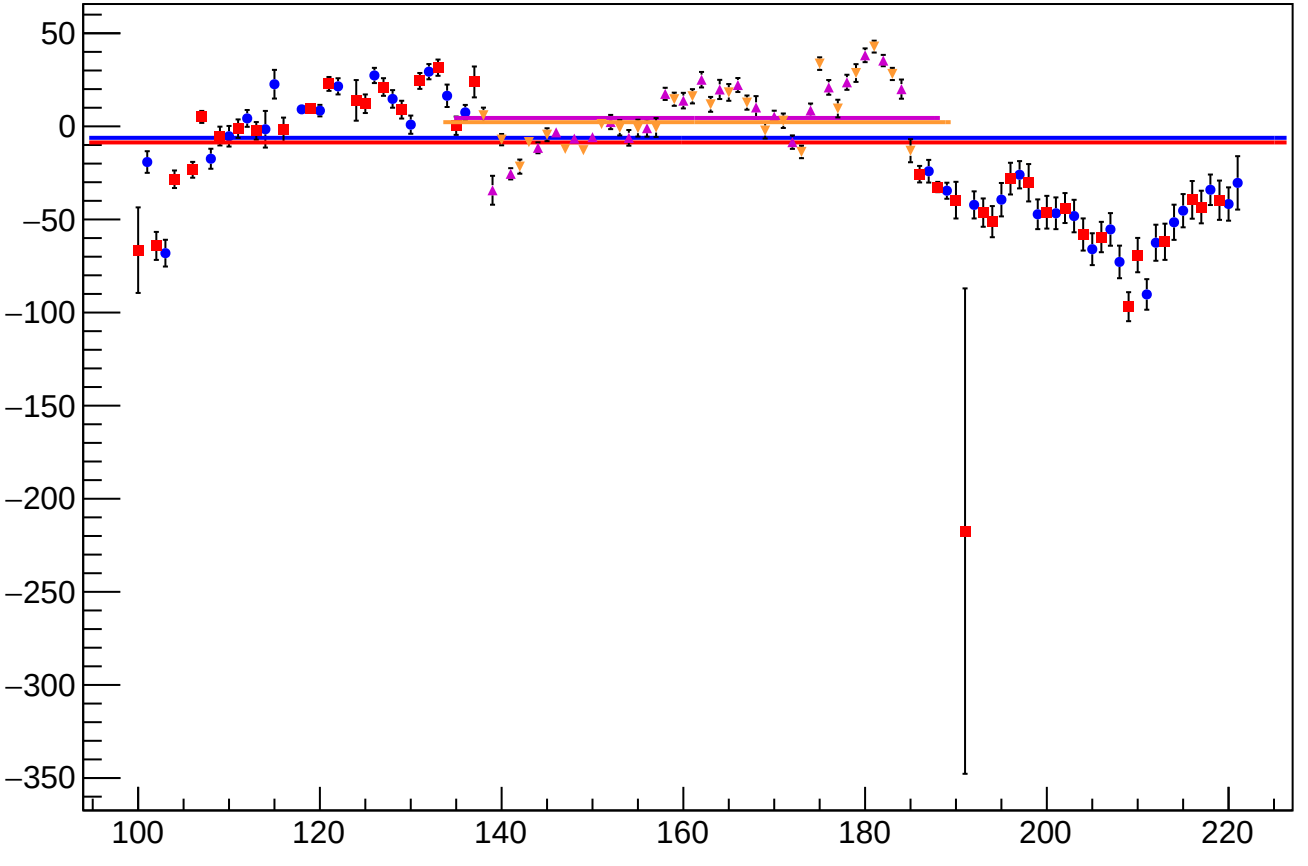
Right: 200.200+/-0.559 χ^2/NDF: 9477.5/70

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.934+/-0.582 χ^2/NDF:10222.7/61

All: 197.458+/-0.425 χ^2/NDF: 15270.2/118

reg_asym_at1_avg_at2_avg_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: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

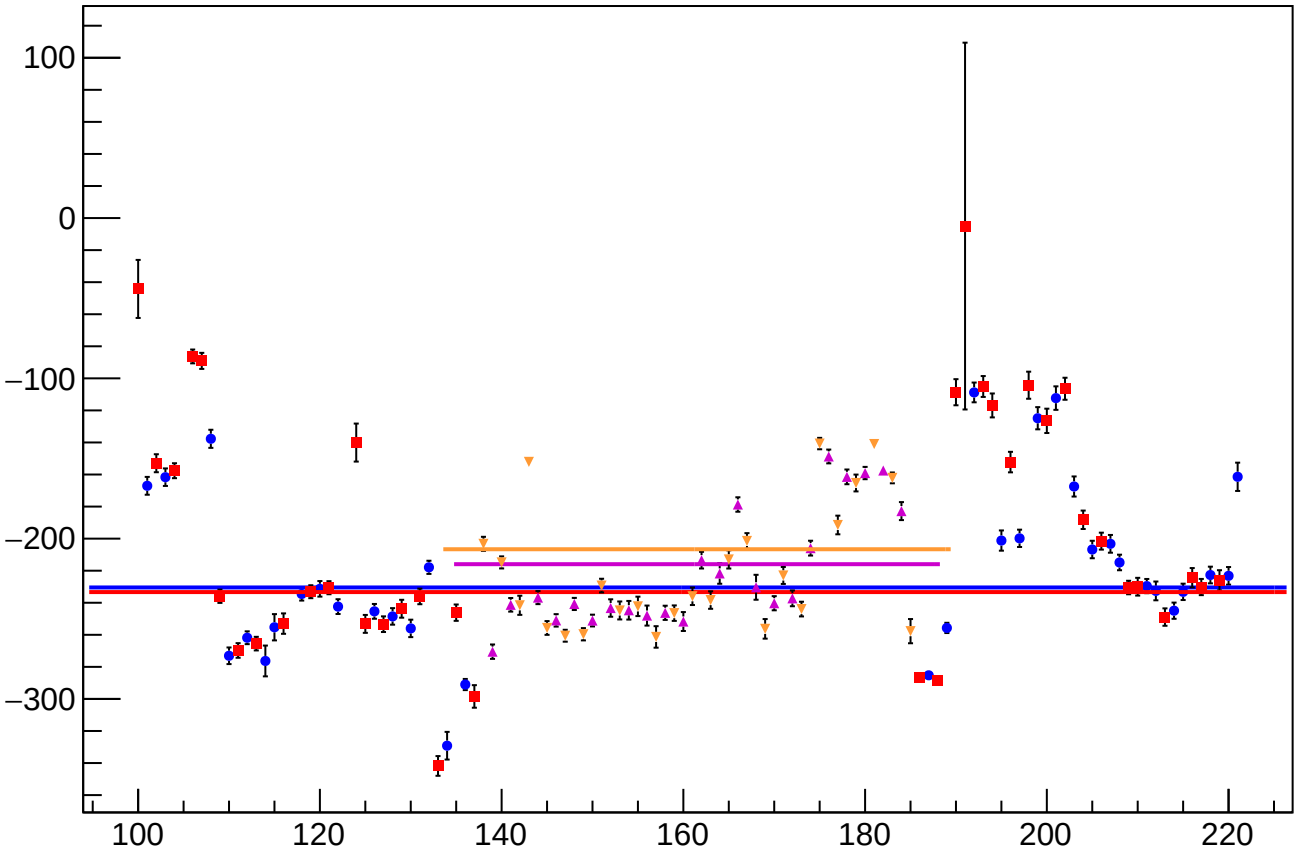
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.483+/-0.650 χ^2/NDF: 1897.3/70

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.570+/-0.390 χ^2/NDF: 3226.8/118



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: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

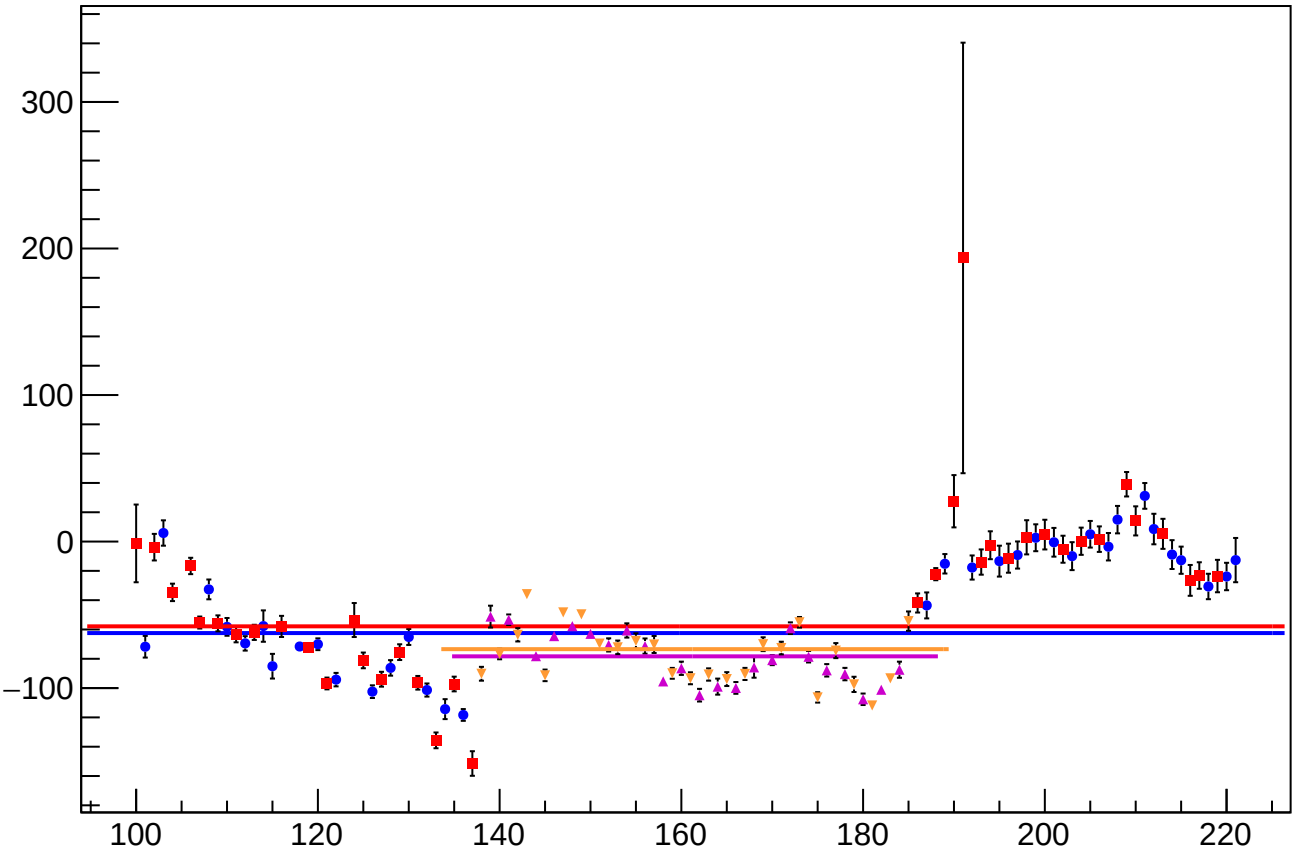
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.047+/-0.577 χ^2/NDF: 9436.0/70

In: -223.879+/-0.637 χ^2/NDF:4598.2/56

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.779+/-0.432 χ^2/NDF: 14252.2/118



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: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

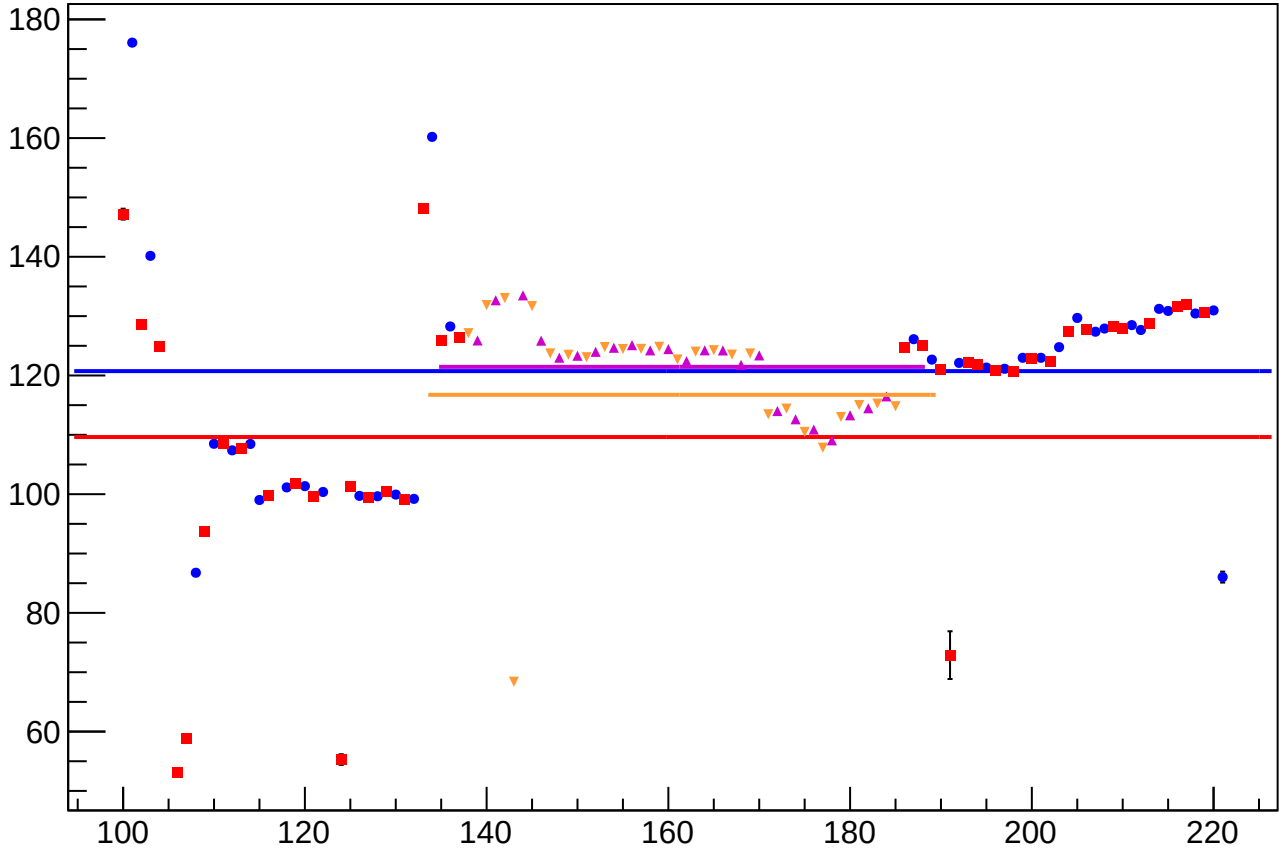
Right: -60.042+/-0.764 χ^2/NDF: 2673.9/70

In: -72.725+/-0.658 χ^2/NDF:1844.2/56

Out: -68.047+/-0.621 χ^2/NDF:2376.1/61

All: -70.250+/-0.451 χ^2/NDF: 4247.1/118

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: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

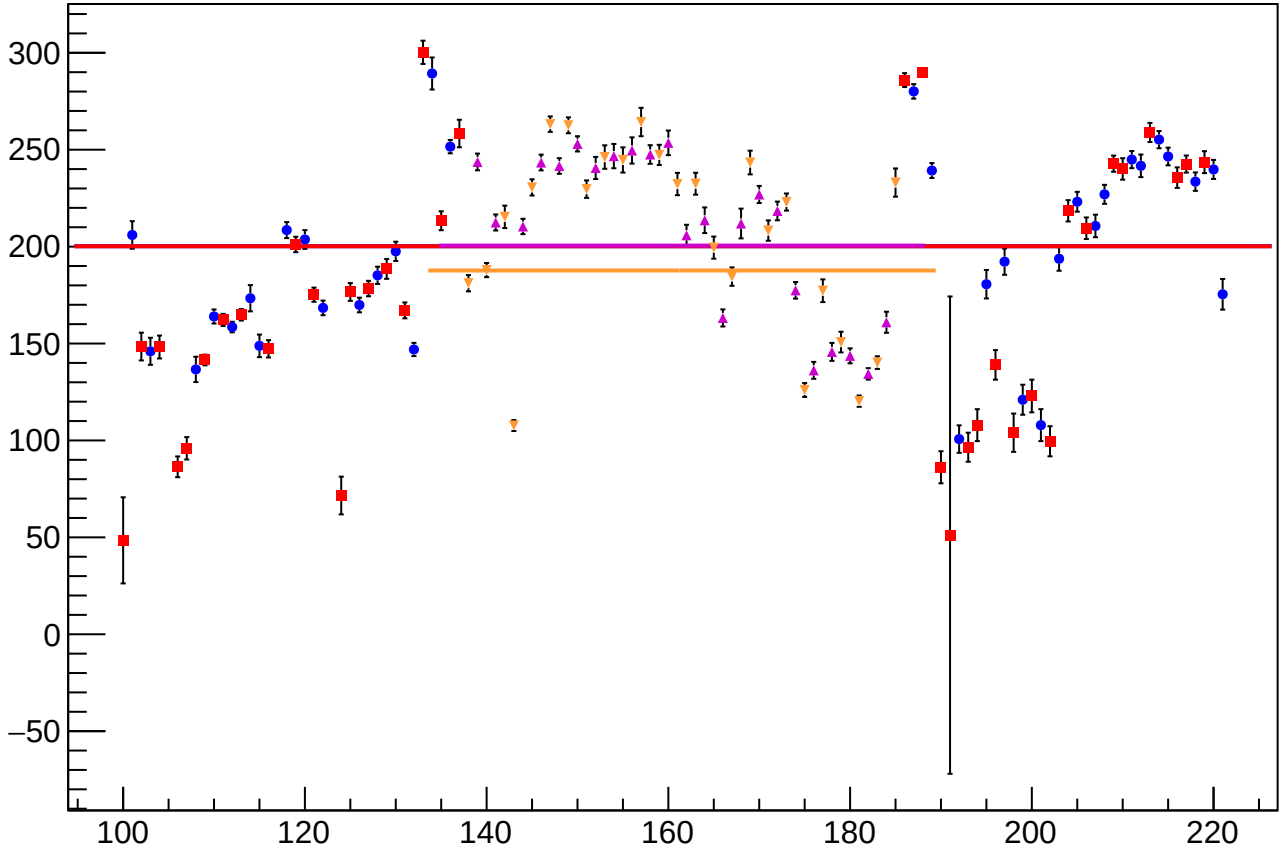
Right: 114.770+/-0.040 χ^2/NDF: 339343.2/70

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.746+/-0.022 χ^2/NDF: 588096.2/118

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: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

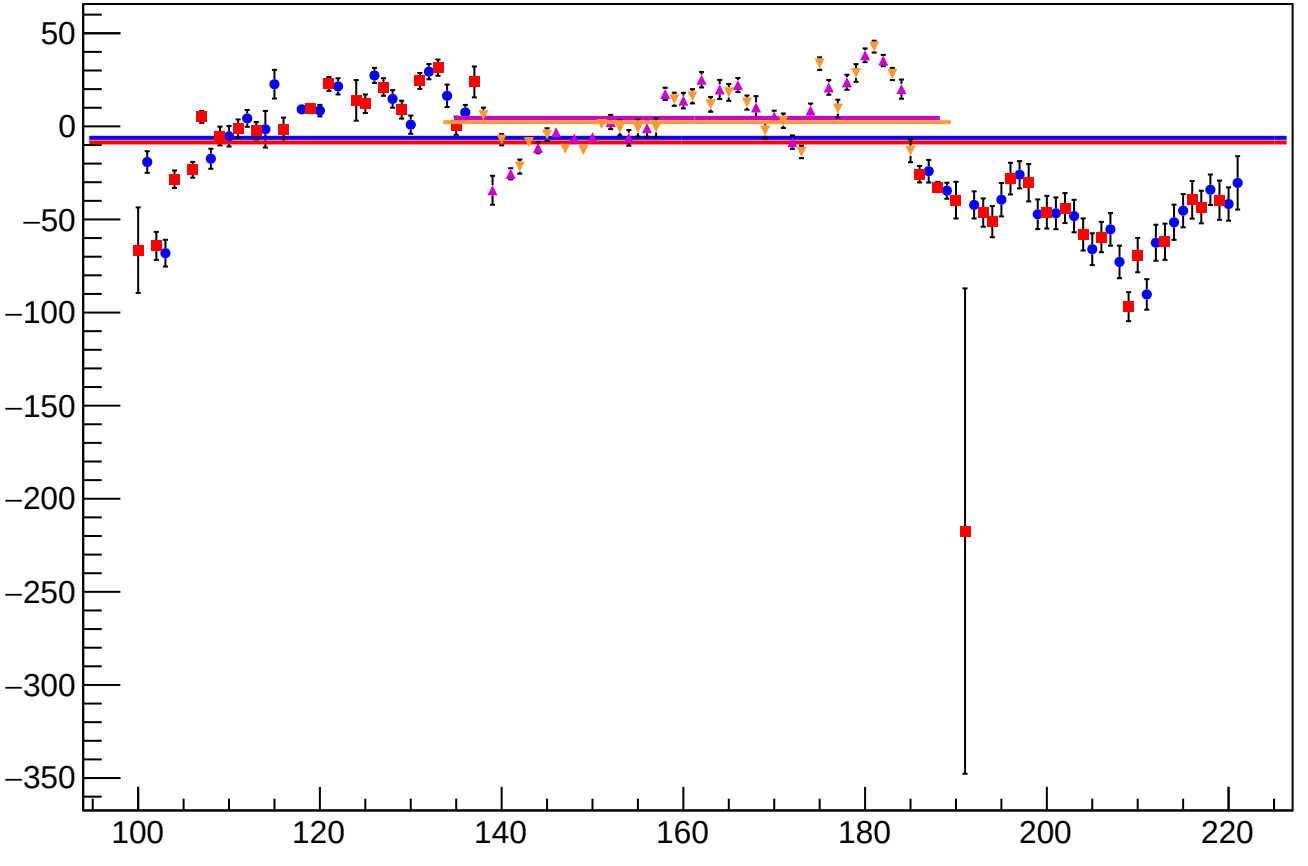
Right: 200.200+/-0.559 χ^2/NDF: 9477.5/70

In: 200.343+/-0.622 χ^2/NDF:5007.2/56

Out: 194.934+/-0.582 χ^2/NDF:10222.7/61

All: 197.458+/-0.425 χ^2/NDF: 15270.2/118

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: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

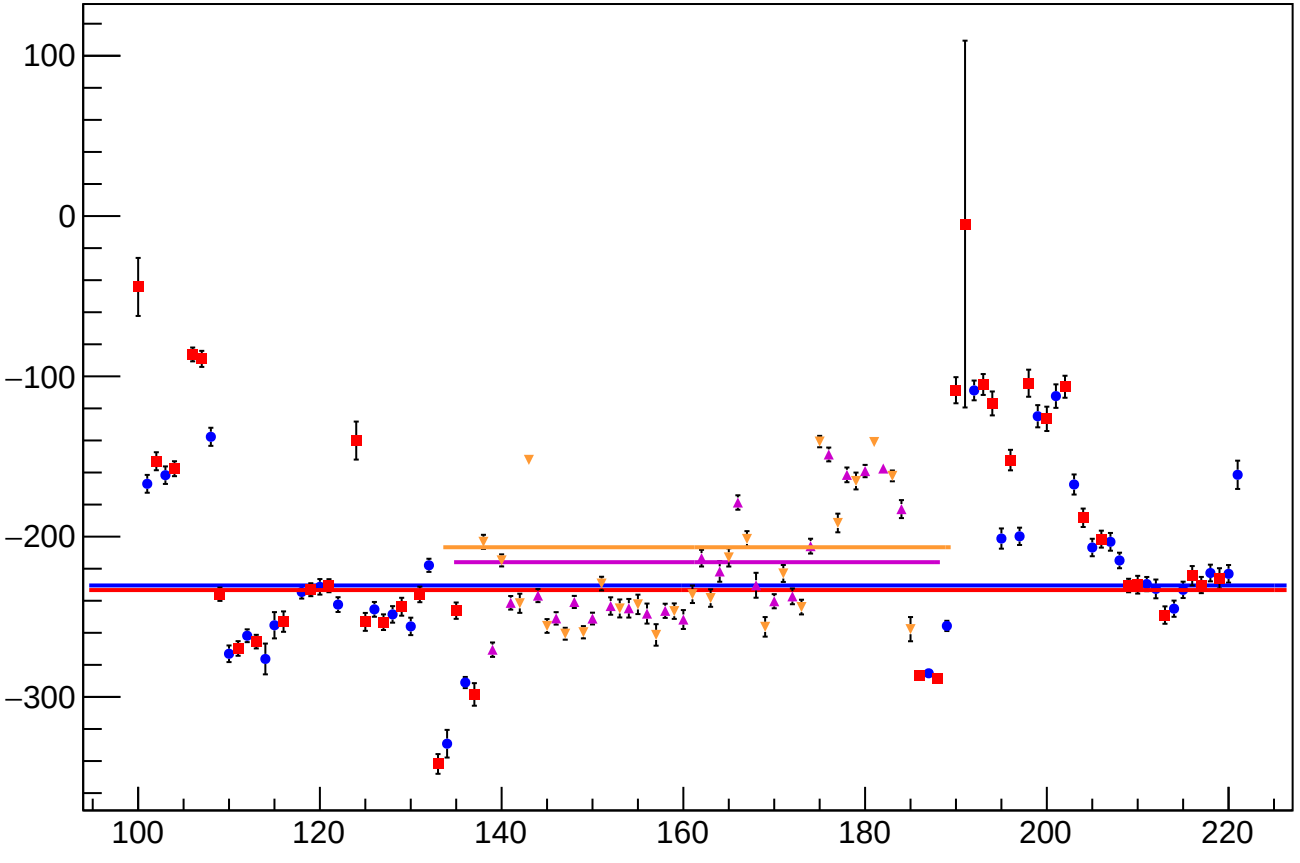
Right: -7.483+/-0.650 χ^2/NDF: 1897.3/70

In: 0.674+/-0.571 χ^2/NDF:1540.4/56

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.570+/-0.390 χ^2/NDF: 3226.8/118

reg_asym_atl1r2_dd_atl2r1_dd_dd_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: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

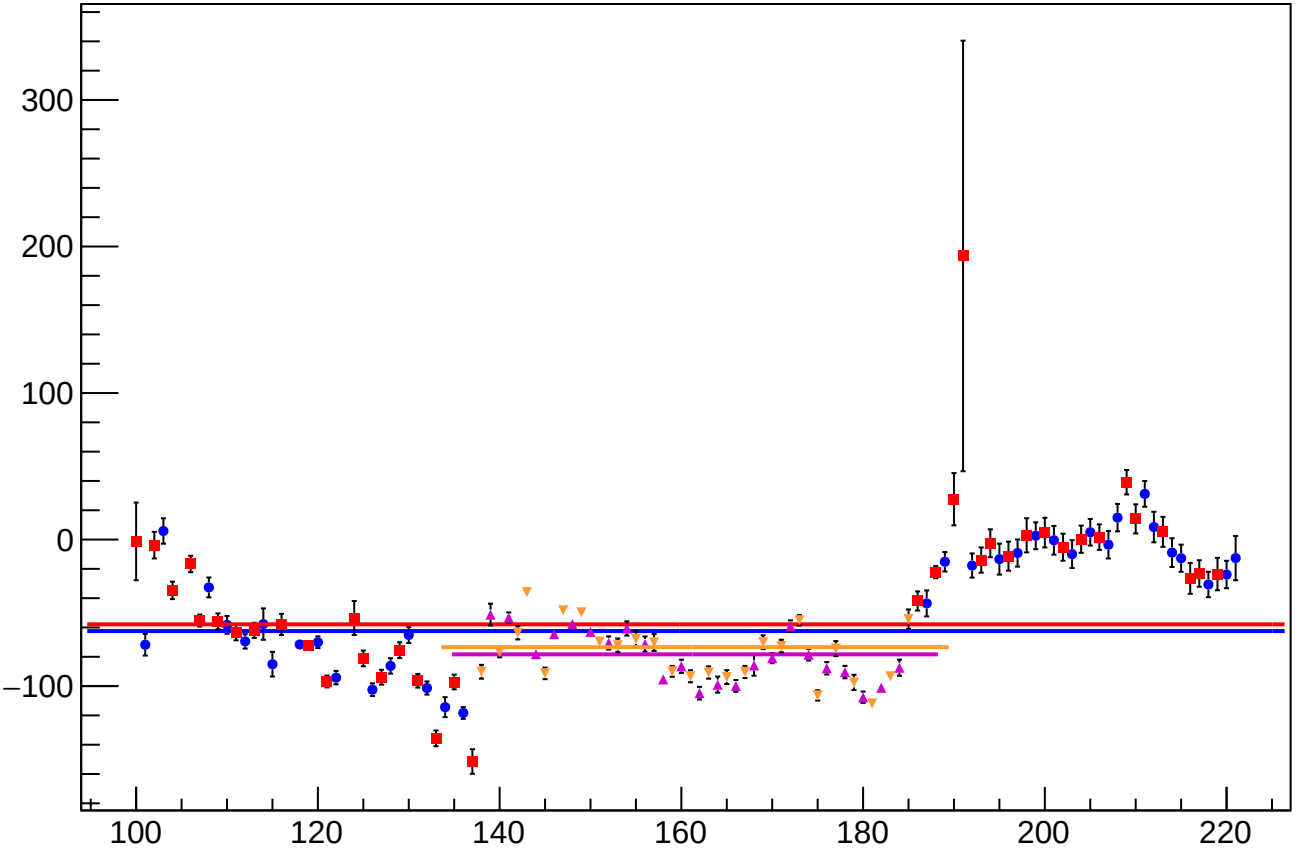
Right: -232.047+/-0.577 χ^2/NDF: 9436.0/70

In: -223.879+/-0.637 χ^2/NDF:4598.2/56

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.779+/-0.432 χ^2/NDF: 14252.2/118

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

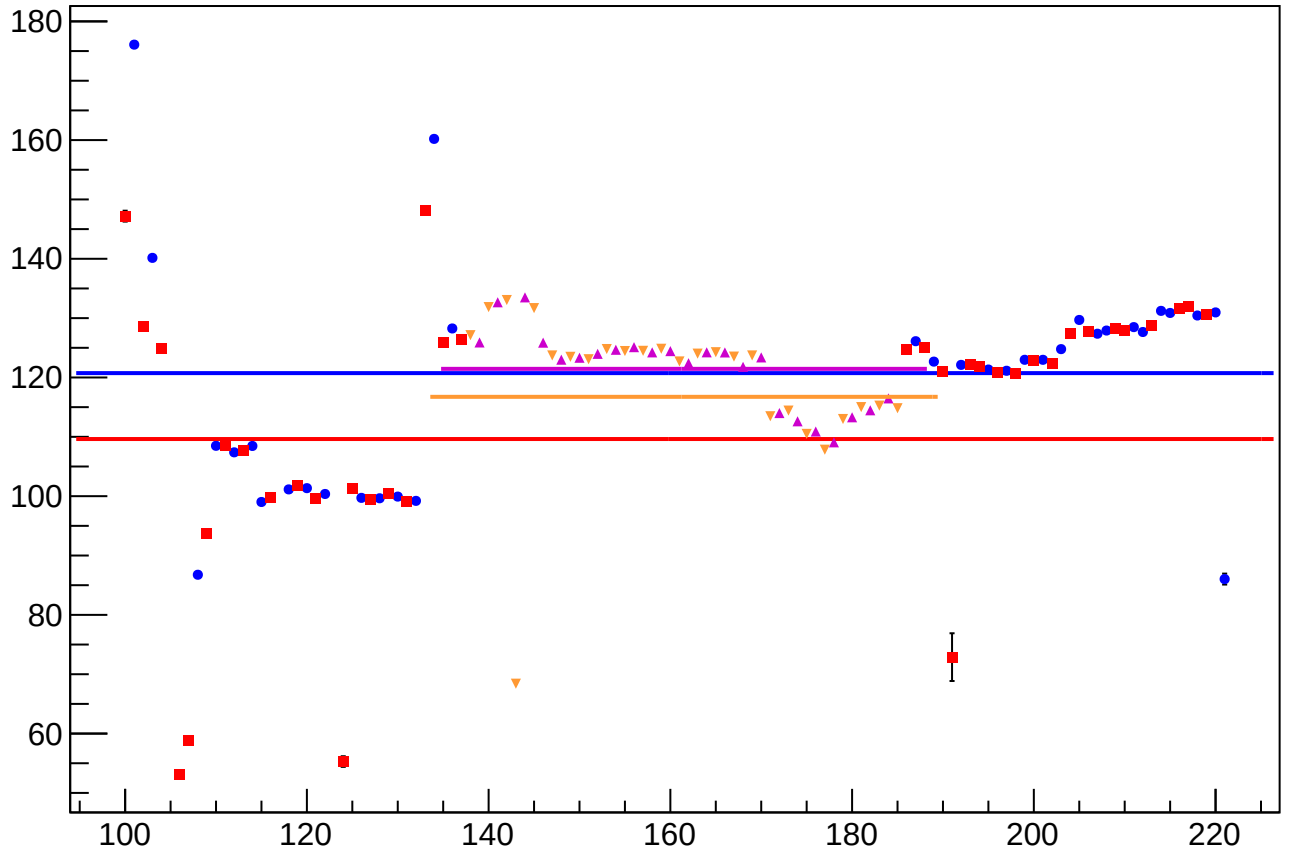
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -60.042+/-0.764 χ^2/NDF: 2673.9/70

In: -72.725+/-0.658 χ^2/NDF:1844.2/56

Out: -68.047+/-0.621 χ^2/NDF:2376.1/61

All: -70.250+/-0.451 χ^2/NDF: 4247.1/118



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: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

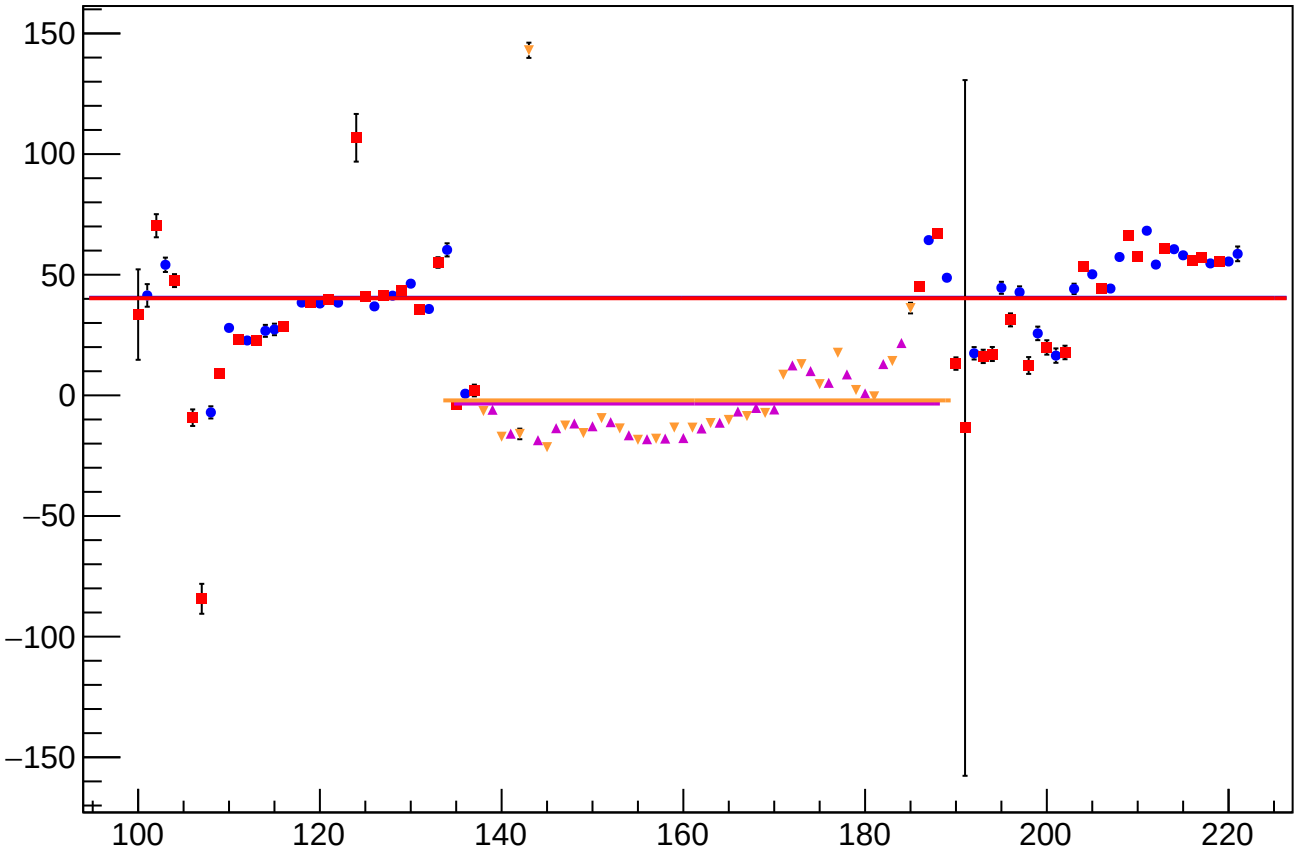
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.770+/-0.040 χ^2/NDF: 339343.2/70

In: 121.247+/-0.031 χ^2/NDF:130930.1/56

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.746+/-0.022 χ^2/NDF: 588096.2/118



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: 5579.2/36

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

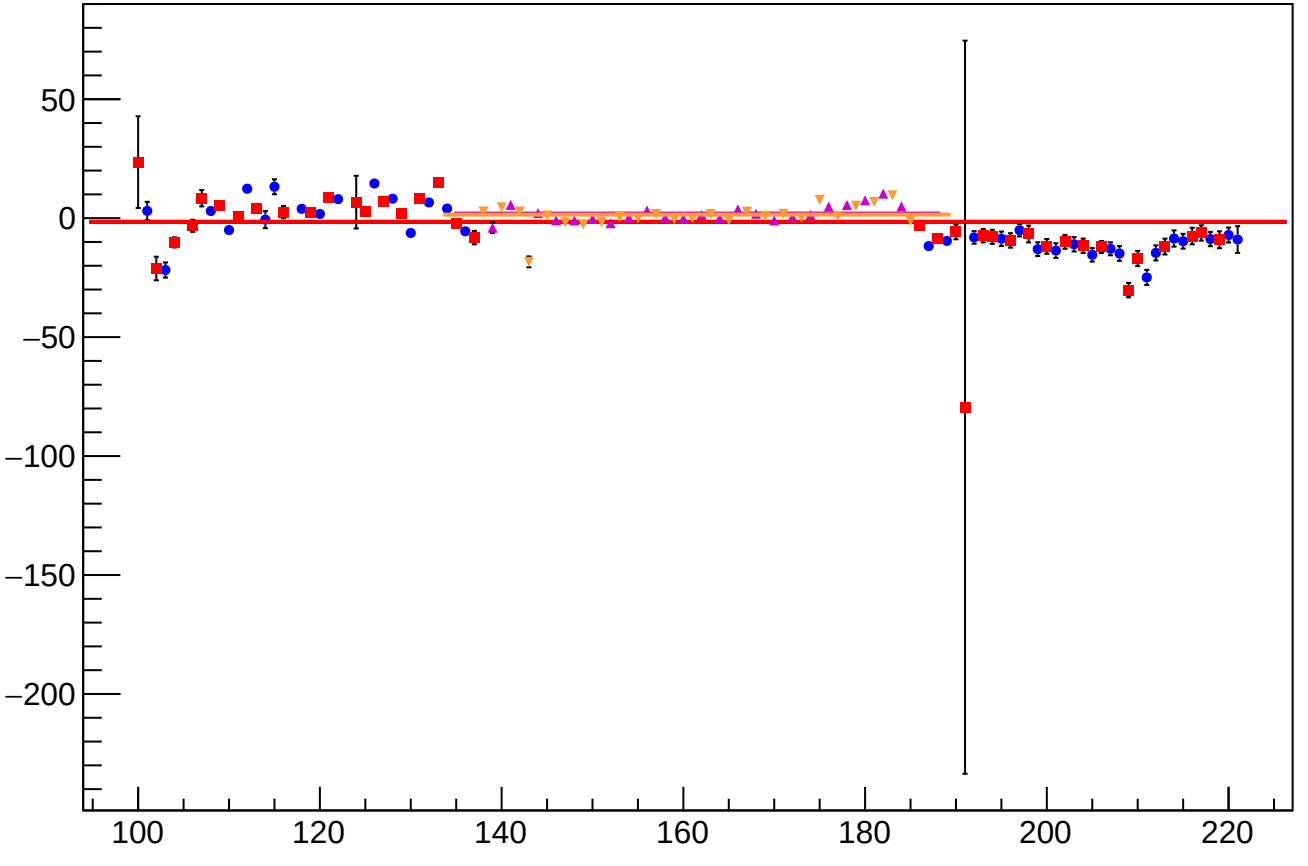
Right: 40.338+/-0.207 χ^2/NDF: 9083.3/70

In: 15.989+/-0.203 χ^2/NDF:16798.6/56

Out: 17.869+/-0.194 χ^2/NDF:21655.6/61

All: 16.970+/-0.140 χ^2/NDF: 38499.1/118

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: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

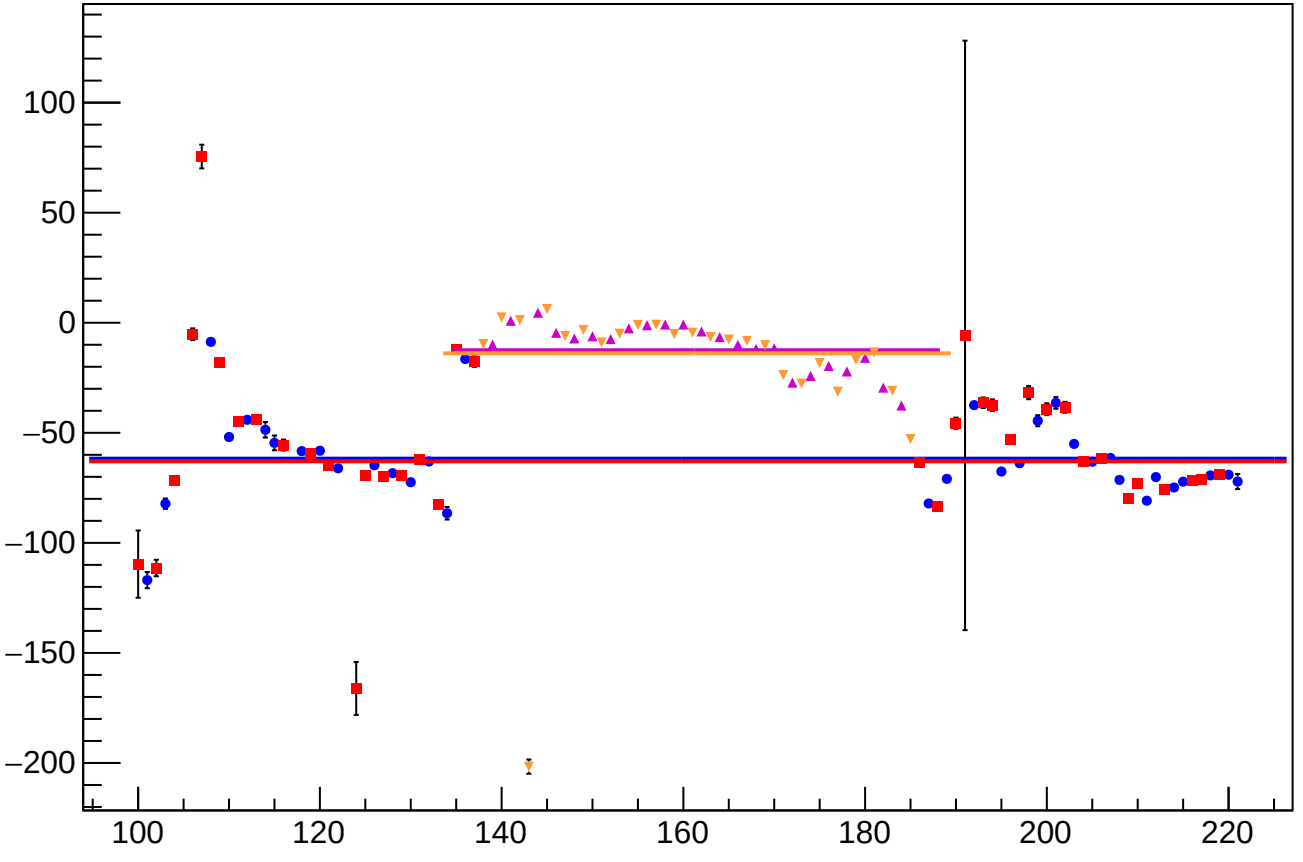
Right: -1.549+/-0.251 χ^2/NDF: 1158.0/70

In: 1.059+/-0.182 χ^2/NDF:919.5/56

Out: 0.706+/-0.176 χ^2/NDF:933.2/61

All: 0.876+/-0.127 χ^2/NDF: 1854.7/118

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: -62.948+/-0.282 χ^2/NDF: 5722.2/36

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

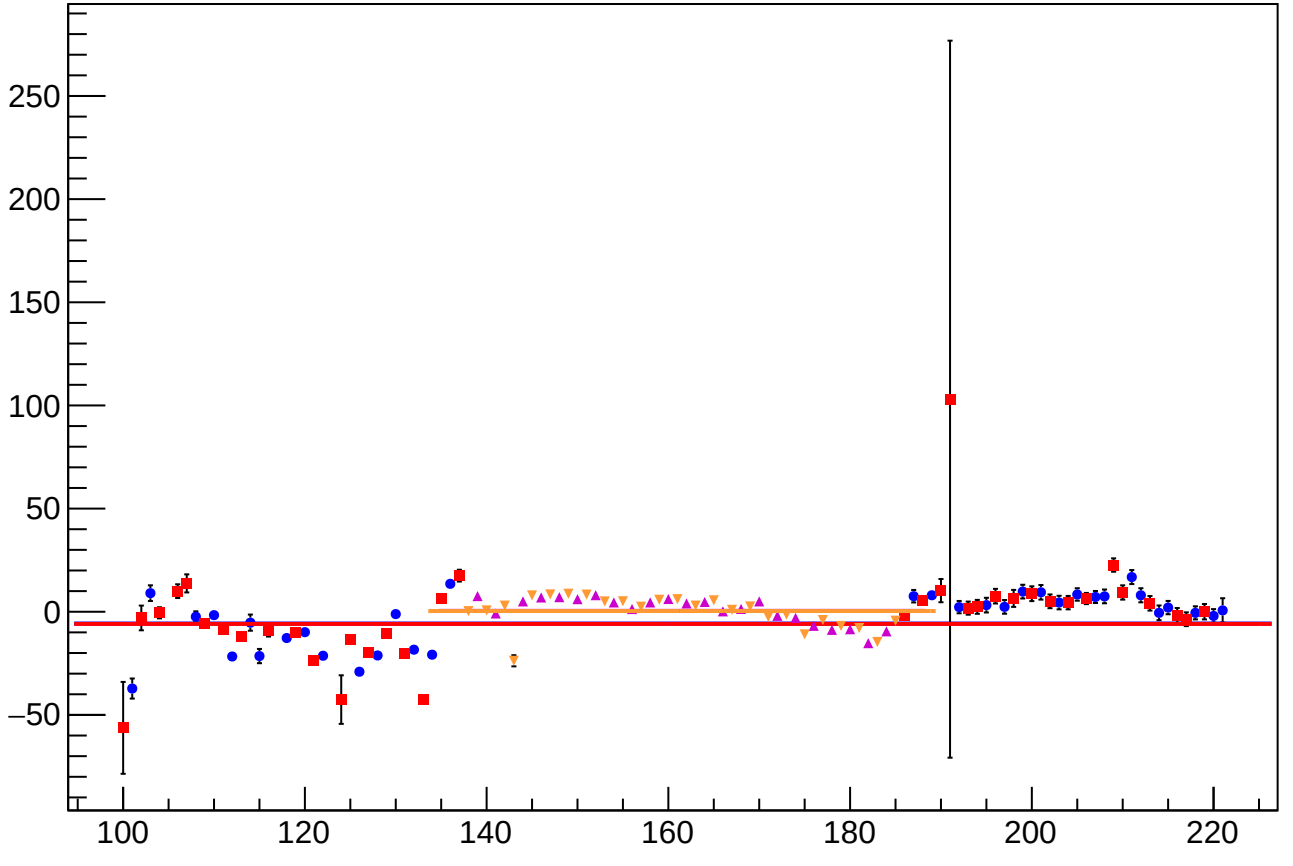
Right: -62.423+/-0.211 χ^2/NDF: 9437.1/70

In: -33.028+/-0.205 χ^2/NDF:19147.7/56

Out: -36.882+/-0.193 χ^2/NDF:26929.5/61

All: -35.073+/-0.141 χ^2/NDF: 46264.4/118

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: -5.894+/-0.412 χ^2/NDF: 1054.4/36

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

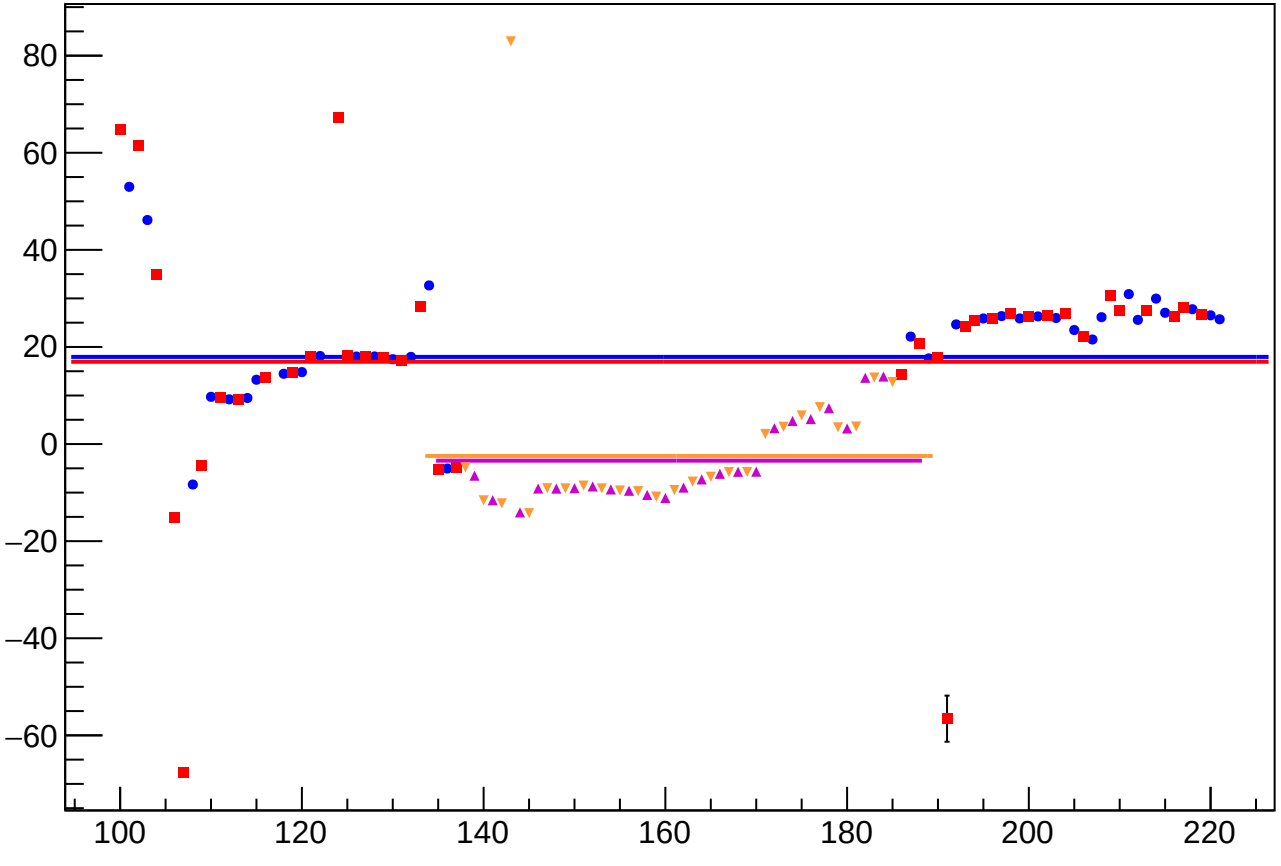
Right: -5.806+/-0.295 χ^2/NDF: 2069.8/70

In: -1.042+/-0.206 χ^2/NDF:1959.3/56

Out: -1.148+/-0.202 χ^2/NDF:2150.4/61

All: -1.096+/-0.144 χ^2/NDF: 4109.8/118

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

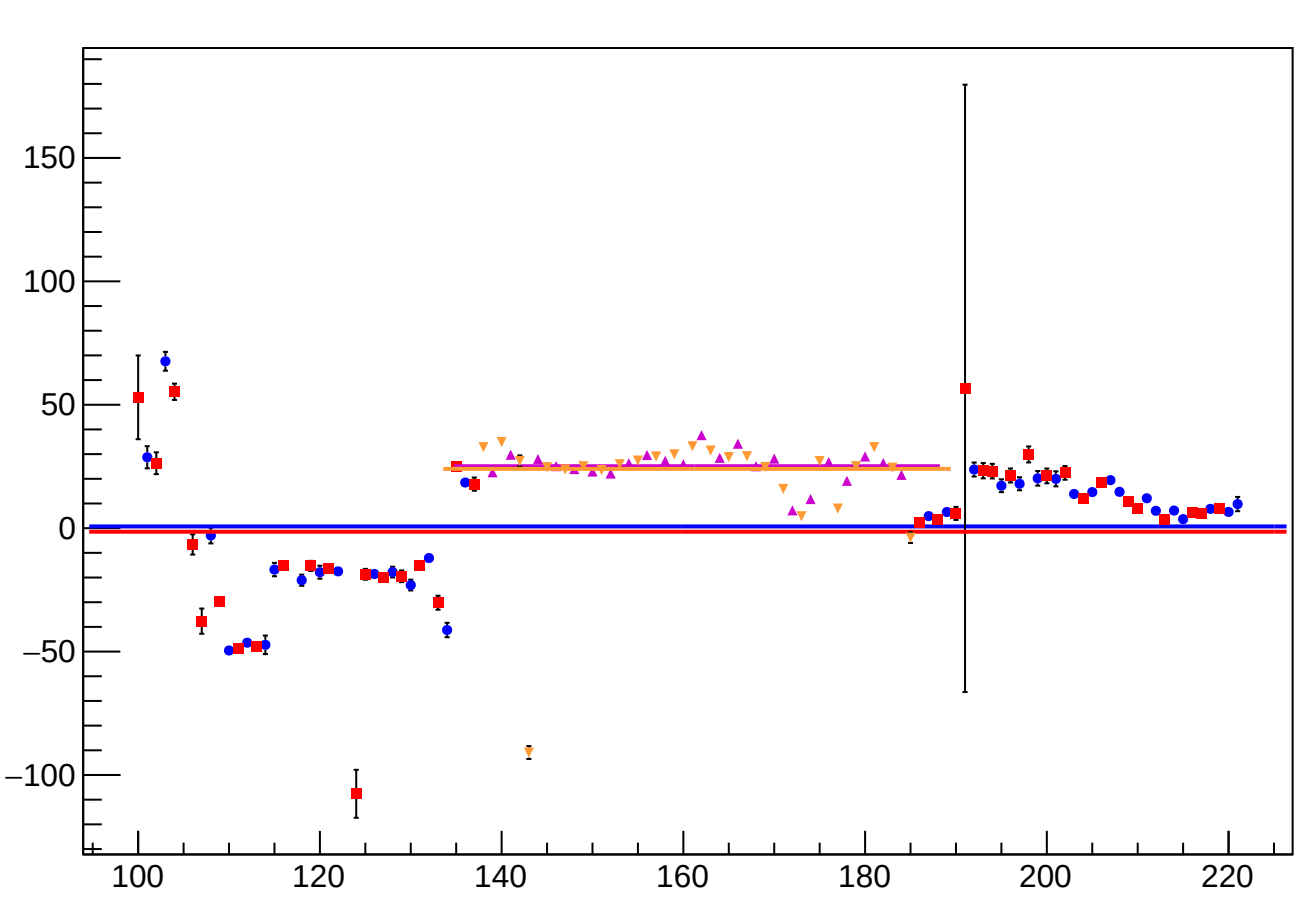
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.455+/-0.015 χ^2/NDF: 1044704.5/70

In: 0.685+/-0.009 χ^2/NDF:1812060.1/56

Out: 1.212+/-0.009 χ^2/NDF:2208077.6/61

All: 0.950+/-0.007 χ^2/NDF: 4021724.1/118



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: -1.434+/-0.332 χ^2/NDF: 3970.4/36

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

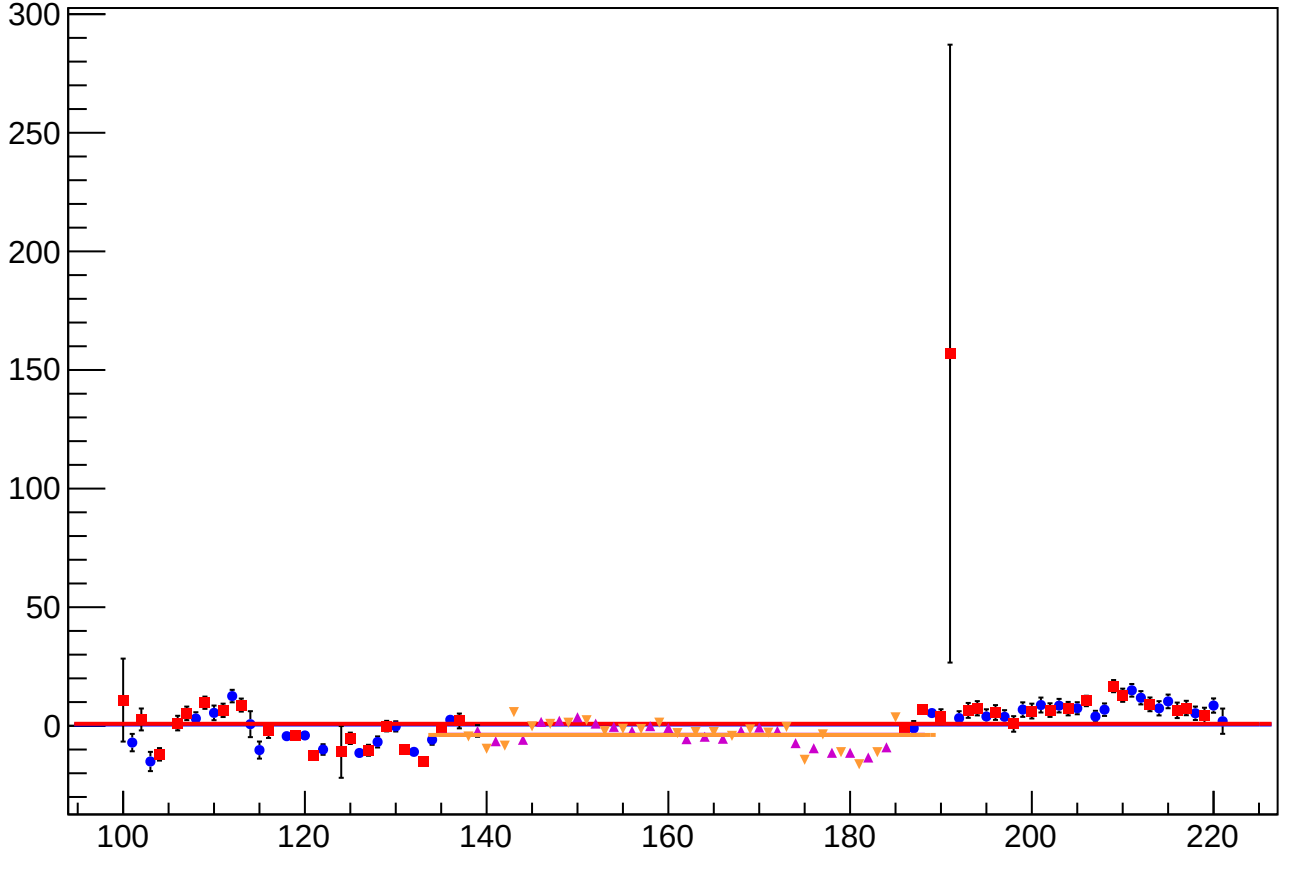
Right: -0.385+/-0.237 χ^2/NDF: 7747.6/70

In: 14.847+/-0.219 χ^2/NDF:7280.0/56

Out: 13.337+/-0.215 χ^2/NDF:10193.9/61

All: 14.078+/-0.153 χ^2/NDF: 17498.2/118

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: 0.852+/-0.417 χ^2/NDF: 364.6/36

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

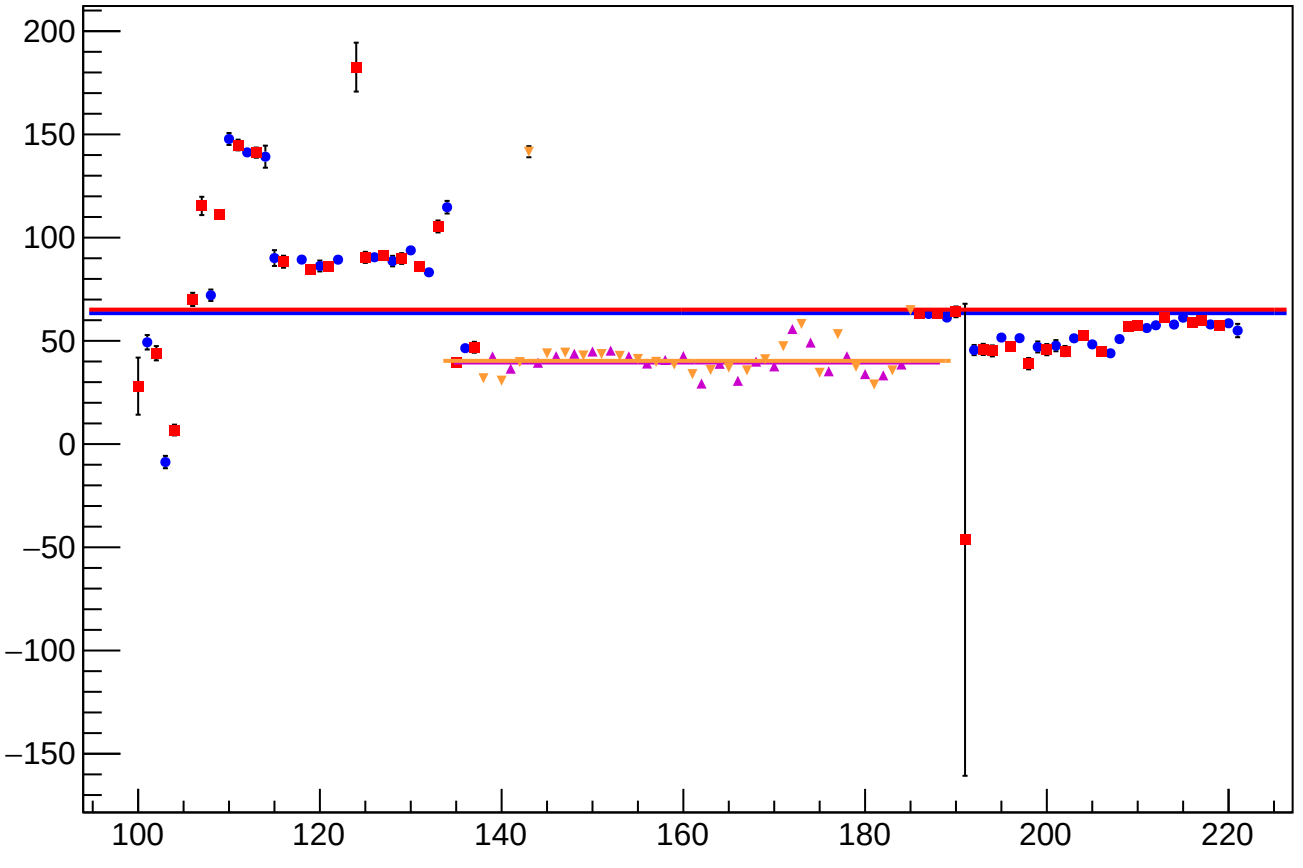
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.706+/-0.298 χ^2/NDF: 661.7/70

In: -2.842+/-0.198 χ^2/NDF:888.0/56

Out: -2.837+/-0.193 χ^2/NDF:1113.8/61

All: -2.839+/-0.138 χ^2/NDF: 2001.8/118



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: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

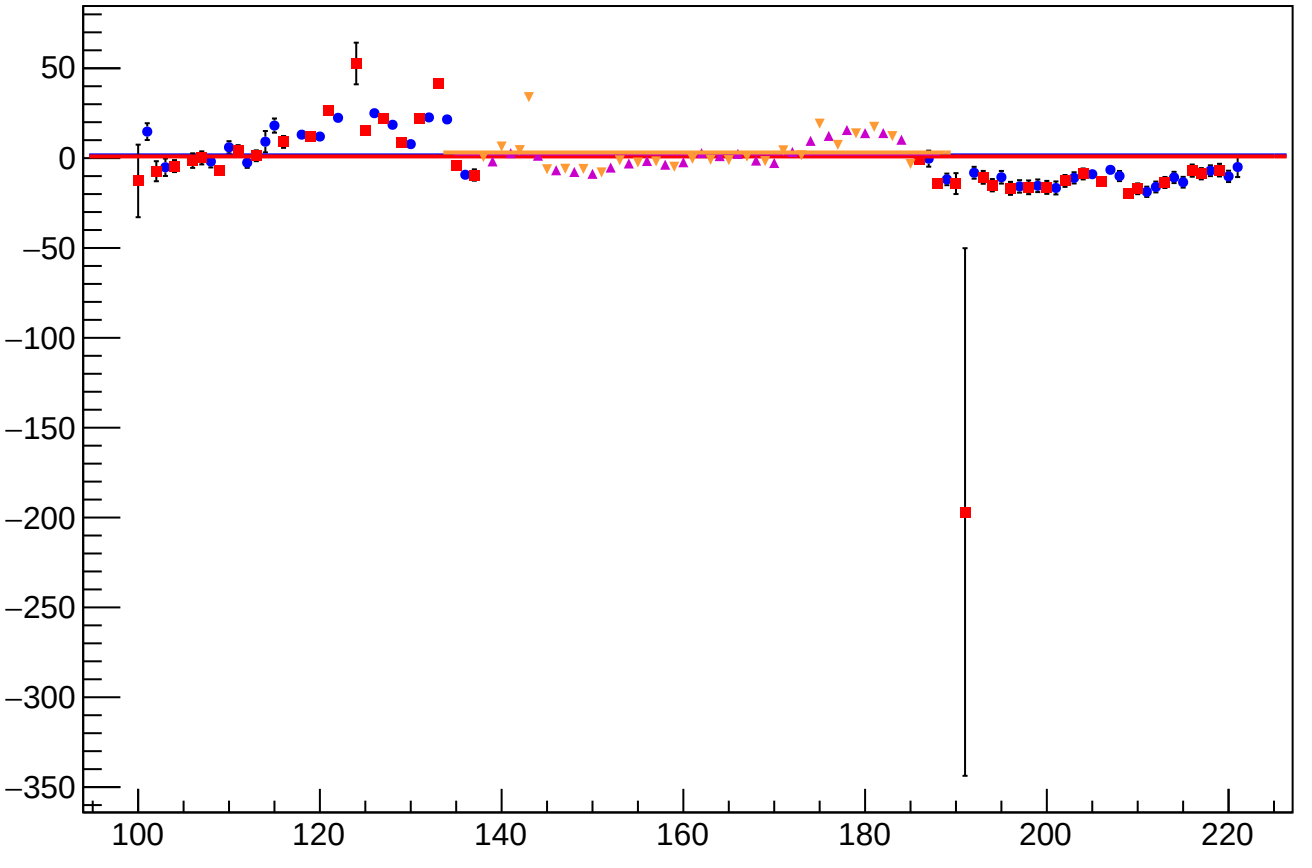
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.308+/-0.242 χ^2/NDF: 9588.7/70

In: 49.005+/-0.221 χ^2/NDF:7936.9/56

Out: 50.517+/-0.215 χ^2/NDF:10281.1/61

All: 49.782+/-0.154 χ^2/NDF: 18242.1/118



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: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

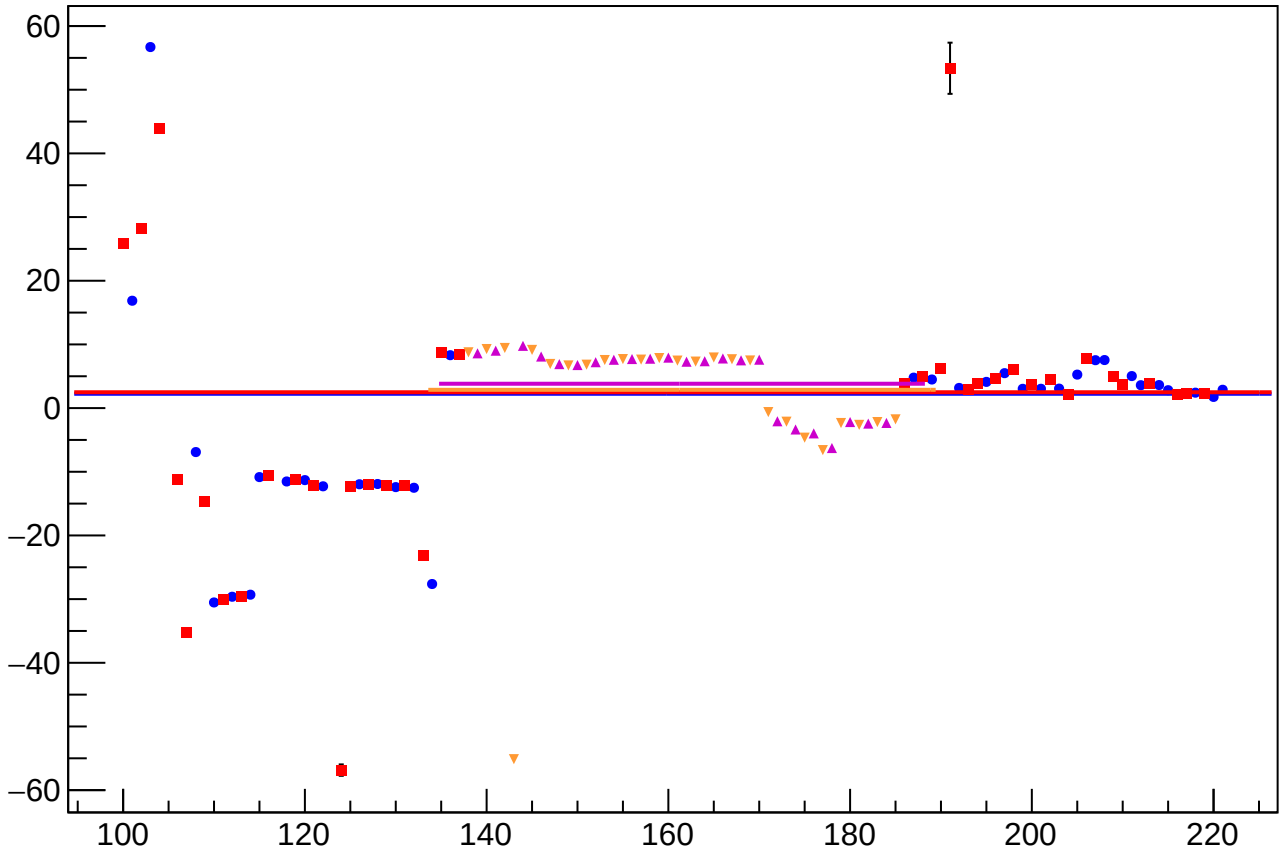
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.244+/-0.342 χ^2/NDF: 1922.6/70

In: 2.309+/-0.223 χ^2/NDF:1846.3/56

Out: 2.694+/-0.219 χ^2/NDF:2330.4/61

All: 2.505+/-0.156 χ^2/NDF: 4178.2/118



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: 2.488+/-0.023 χ^2/NDF: 330763.0/36

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

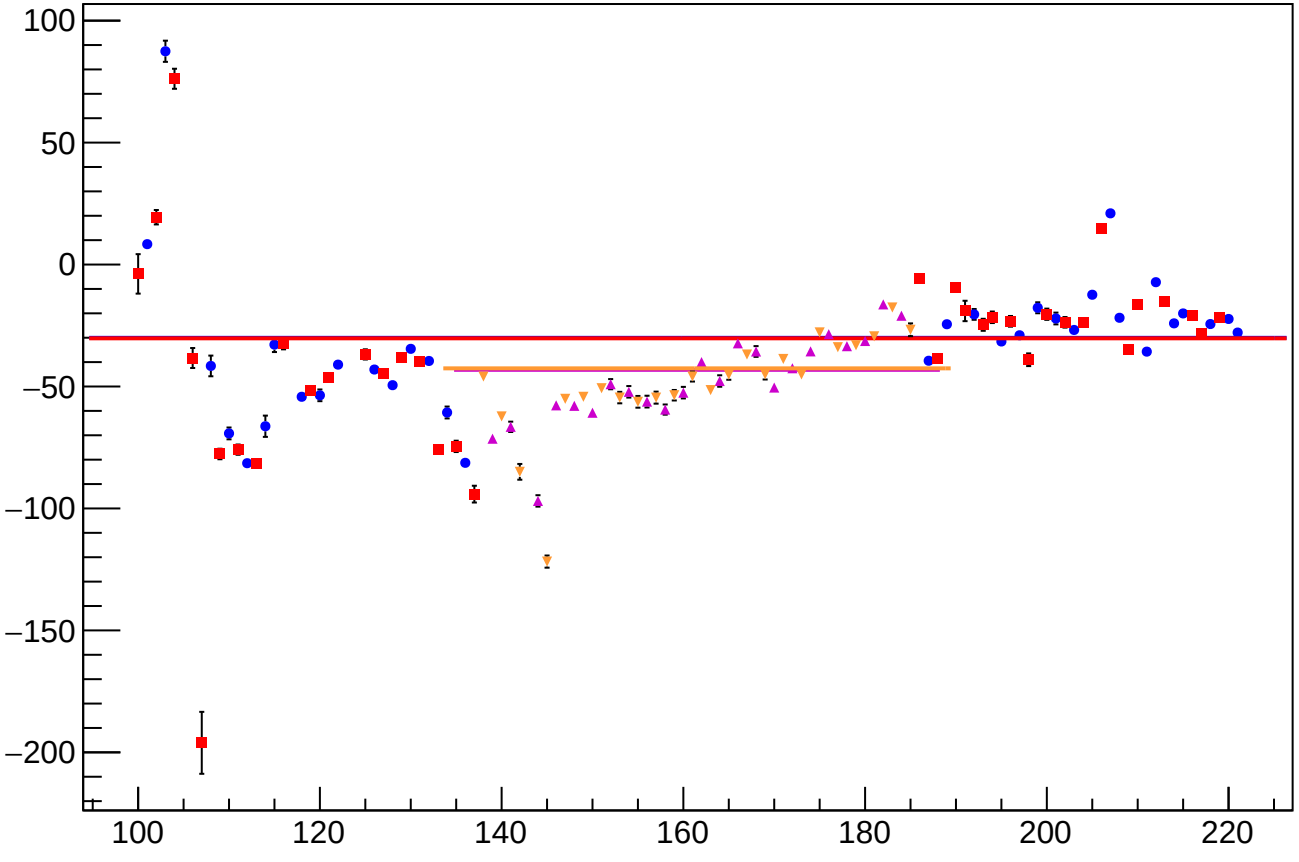
Right: 2.368+/-0.016 χ^2/NDF: 713839.9/70

In: 3.530+/-0.010 χ^2/NDF:620016.6/56

Out: 2.801+/-0.010 χ^2/NDF:843312.8/61

All: 3.163+/-0.007 χ^2/NDF: 1466000.7/118

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: -30.246+/-0.295 χ^2/NDF: 6589.8/35

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

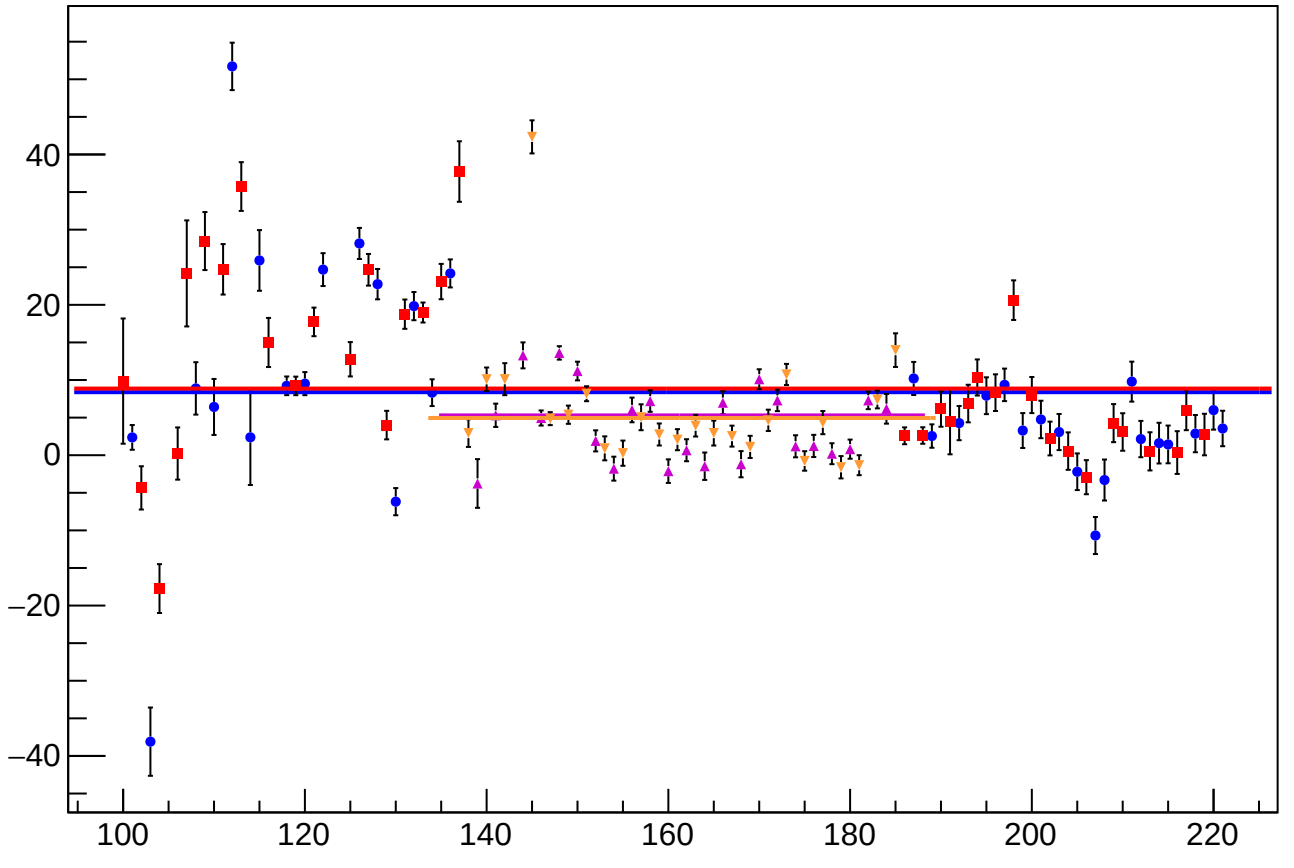
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -30.151+/-0.211 χ^2/NDF: 12072.3/69

In: -35.116+/-0.237 χ^2/NDF:8412.2/56

Out: -34.909+/-0.233 χ^2/NDF:9574.6/59

All: -35.010+/-0.166 χ^2/NDF: 17987.1/116



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: 8.865+/-0.366 χ^2/NDF: 647.4/35

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

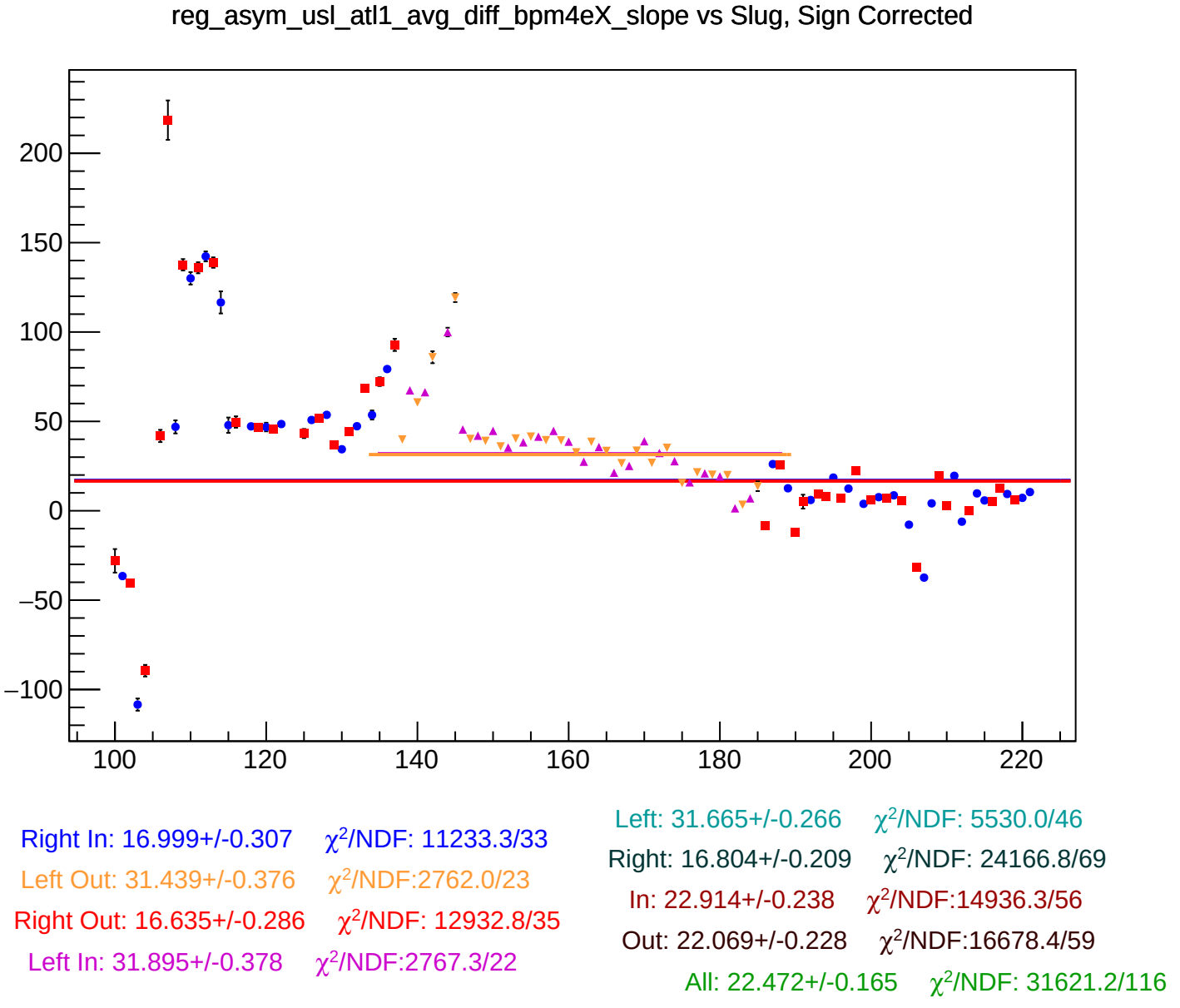
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

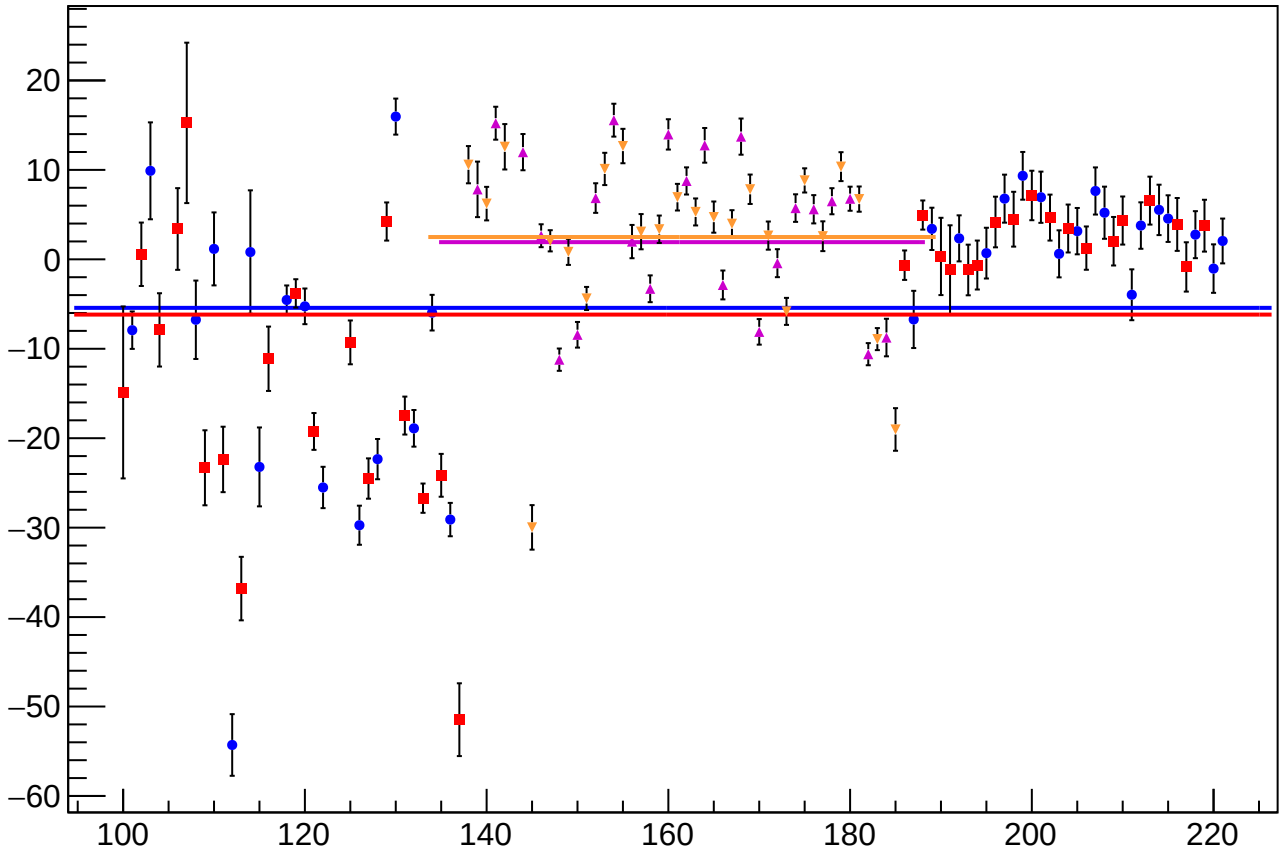
Right: 8.630+/-0.263 χ^2/NDF: 1506.3/69

In: 6.457+/-0.232 χ^2/NDF:1185.9/56

Out: 6.454+/-0.227 χ^2/NDF:1167.0/59

All: 6.455+/-0.162 χ^2/NDF: 2352.9/116


reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: 16.999+/-0.307 χ²/NDF: 11233.3/33
Left Out: 31.439+/-0.376 χ²/NDF:2762.0/23
Right Out: 16.635+/-0.286 χ²/NDF: 12932.8/35
Left In: 31.895+/-0.378 χ²/NDF:2767.3/22
Left: 31.665+/-0.266 χ²/NDF: 5530.0/46
Right: 16.804+/-0.209 χ²/NDF: 24166.8/69
In: 22.914+/-0.238 χ²/NDF:14936.3/56
Out: 22.069+/-0.228 χ²/NDF:16678.4/59
All: 22.472+/-0.165 χ²/NDF: 31621.2/116



Right In: -5.425+/-0.435 χ^2/NDF: 1019.0/33

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -6.179+/-0.437 χ^2/NDF: 858.6/35

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

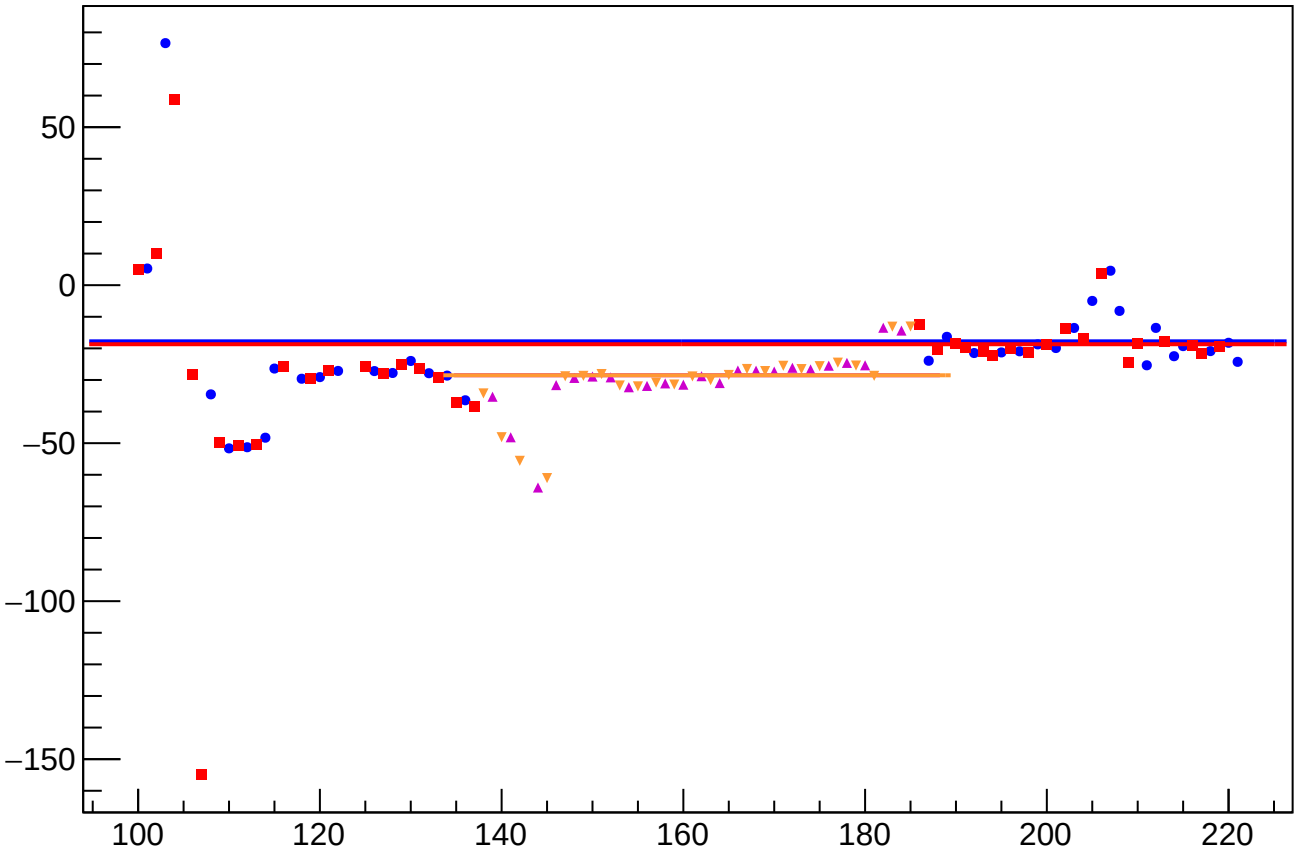
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -5.801+/-0.308 χ^2/NDF: 1879.1/69

In: -0.779+/-0.264 χ^2/NDF:1877.8/56

Out: -0.619+/-0.262 χ^2/NDF:1670.3/59

All: -0.699+/-0.186 χ^2/NDF: 3548.3/116



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: -18.688+/-0.021 χ^2/NDF: 625747.0/35

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

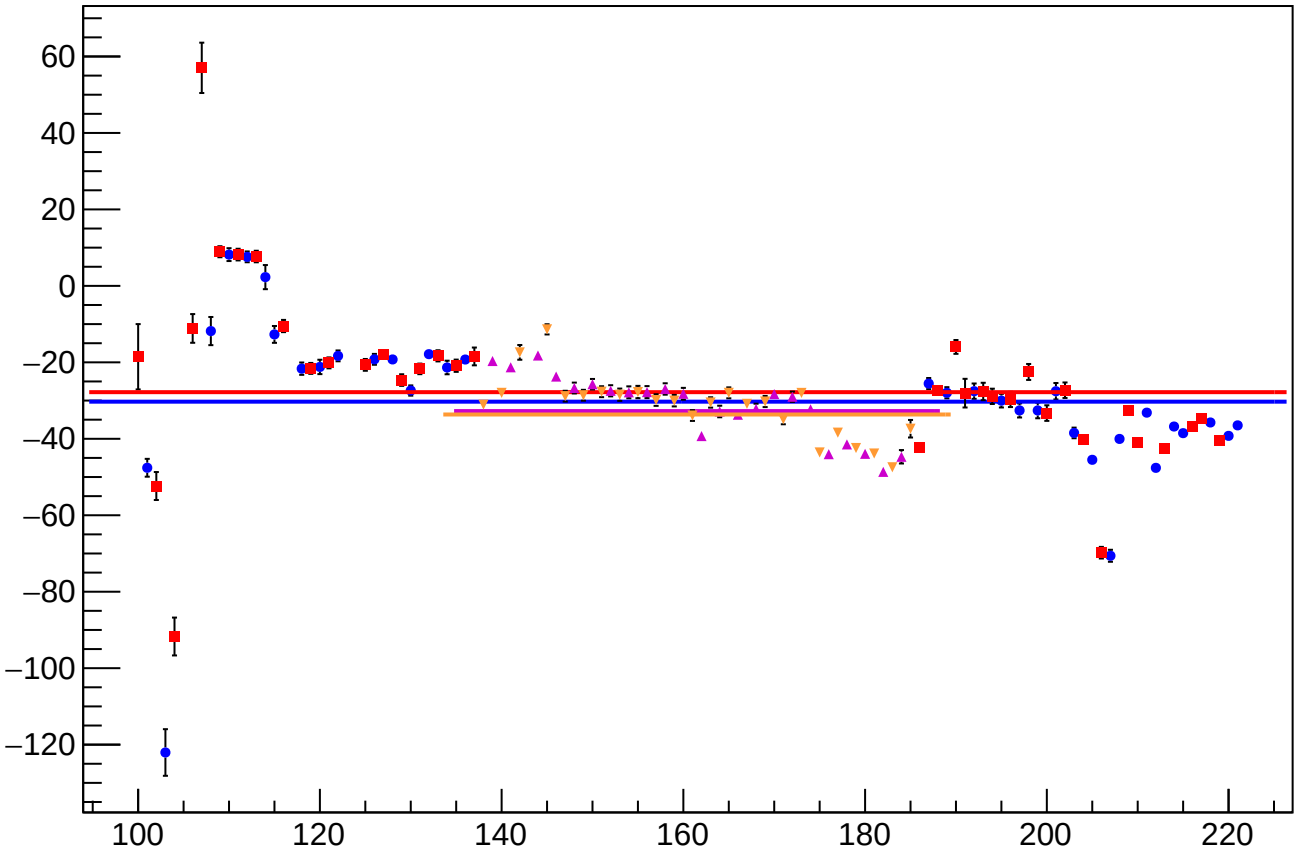
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -18.233+/-0.015 χ^2/NDF: 1361558.1/69

In: -24.873+/-0.012 χ^2/NDF:1199685.0/56

Out: -25.182+/-0.012 χ^2/NDF:1109650.3/59

All: -25.028+/-0.009 χ^2/NDF: 2309664.9/116



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: -27.801+/-0.250 χ^2/NDF: 4140.7/35

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

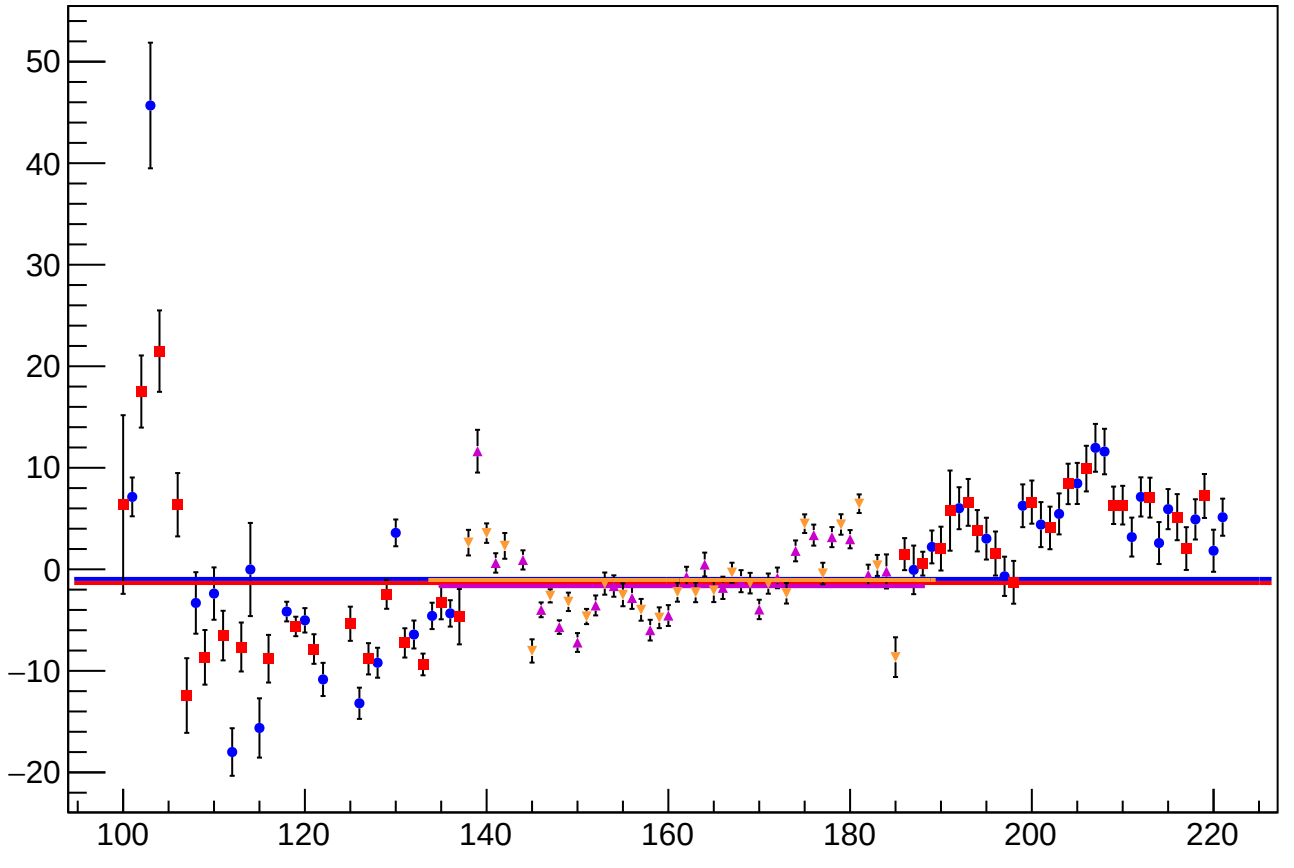
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -29.075+/-0.174 χ^2/NDF: 7813.2/69

In: -31.399+/-0.180 χ^2/NDF:4811.2/56

Out: -30.546+/-0.182 χ^2/NDF:5413.9/59

All: -30.976+/-0.128 χ^2/NDF: 10236.3/116



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: -1.349+/-0.311 χ^2/NDF: 430.8/35

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

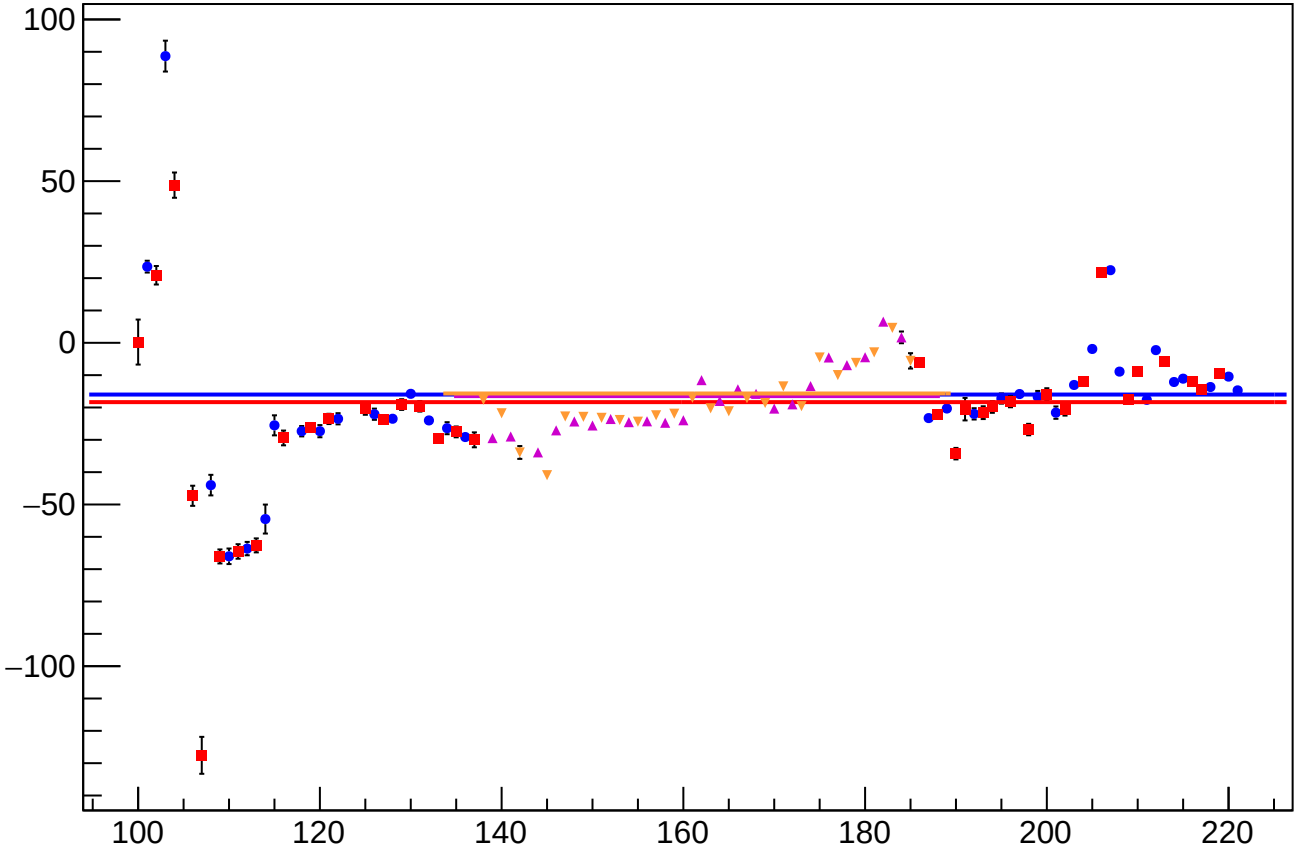
Right: -1.144+/-0.219 χ^2/NDF: 970.0/69

In: -1.436+/-0.171 χ^2/NDF:806.5/56

Out: -1.139+/-0.170 χ^2/NDF:720.9/59

All: -1.286+/-0.121 χ^2/NDF: 1528.8/116

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: -18.343+/-0.255 χ^2/NDF: 3811.5/35

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

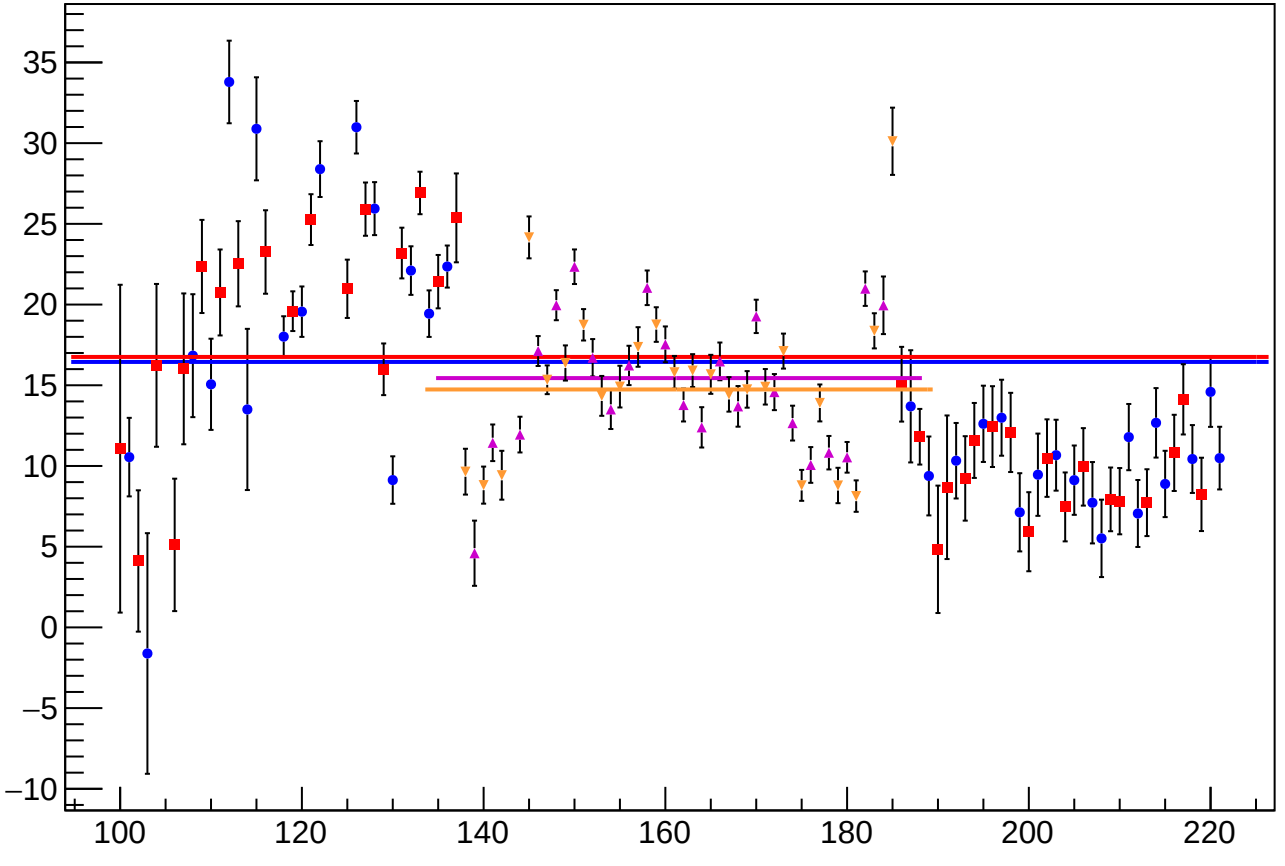
Right: -17.168+/-0.180 χ^2/NDF: 7355.7/69

In: -16.229+/-0.184 χ^2/NDF:5201.3/56

Out: -17.048+/-0.183 χ^2/NDF:5385.3/59

All: -16.640+/-0.130 χ^2/NDF: 10596.5/116

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 16.755+/-0.360 χ^2/NDF: 373.2/35

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

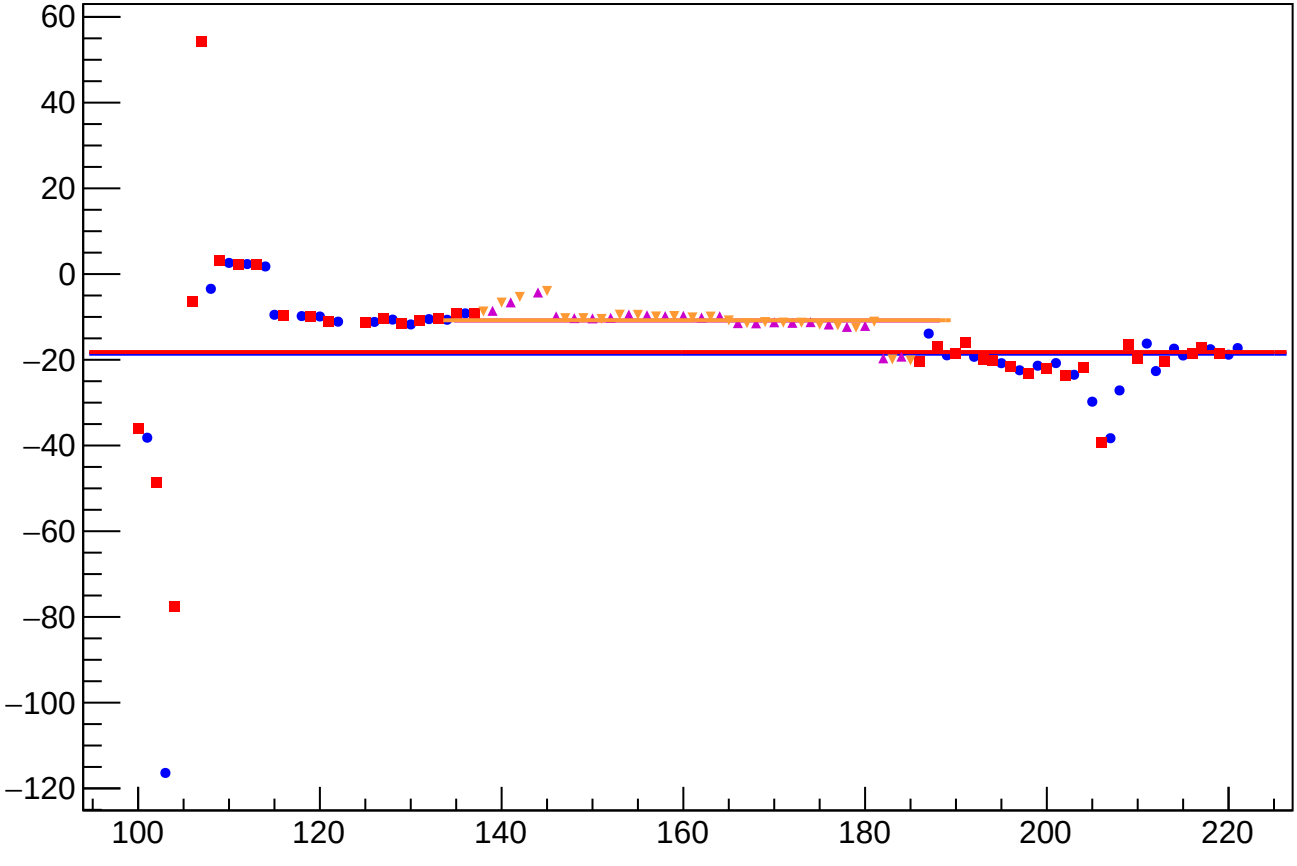
Right: 16.595+/-0.250 χ^2/NDF: 837.6/69

In: 15.754+/-0.194 χ^2/NDF:760.2/56

Out: 15.322+/-0.193 χ^2/NDF:726.4/59

All: 15.538+/-0.137 χ^2/NDF: 1489.1/116

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -18.196+/-0.018 χ^2/NDF: 433337.5/35

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

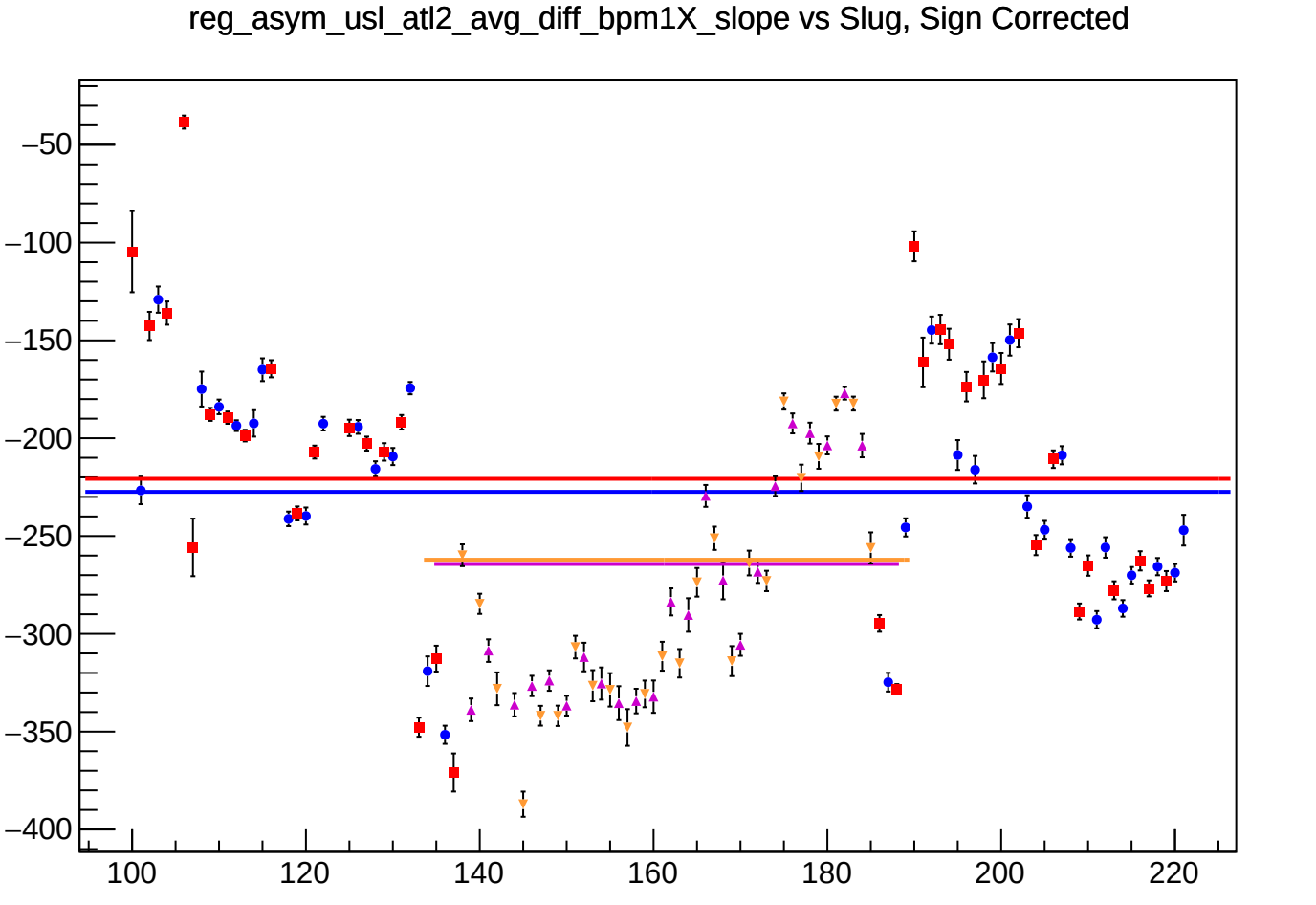
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.394+/-0.012 χ^2/NDF: 890119.9/69

In: -12.865+/-0.009 χ^2/NDF:678661.9/56

Out: -12.663+/-0.009 χ^2/NDF:650258.5/59

All: -12.764+/-0.006 χ^2/NDF: 1329181.1/116



Right In: -227.410+/-0.802 χ^2/NDF: 3625.1/33

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -220.748+/-0.766 χ^2/NDF: 8652.7/35

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

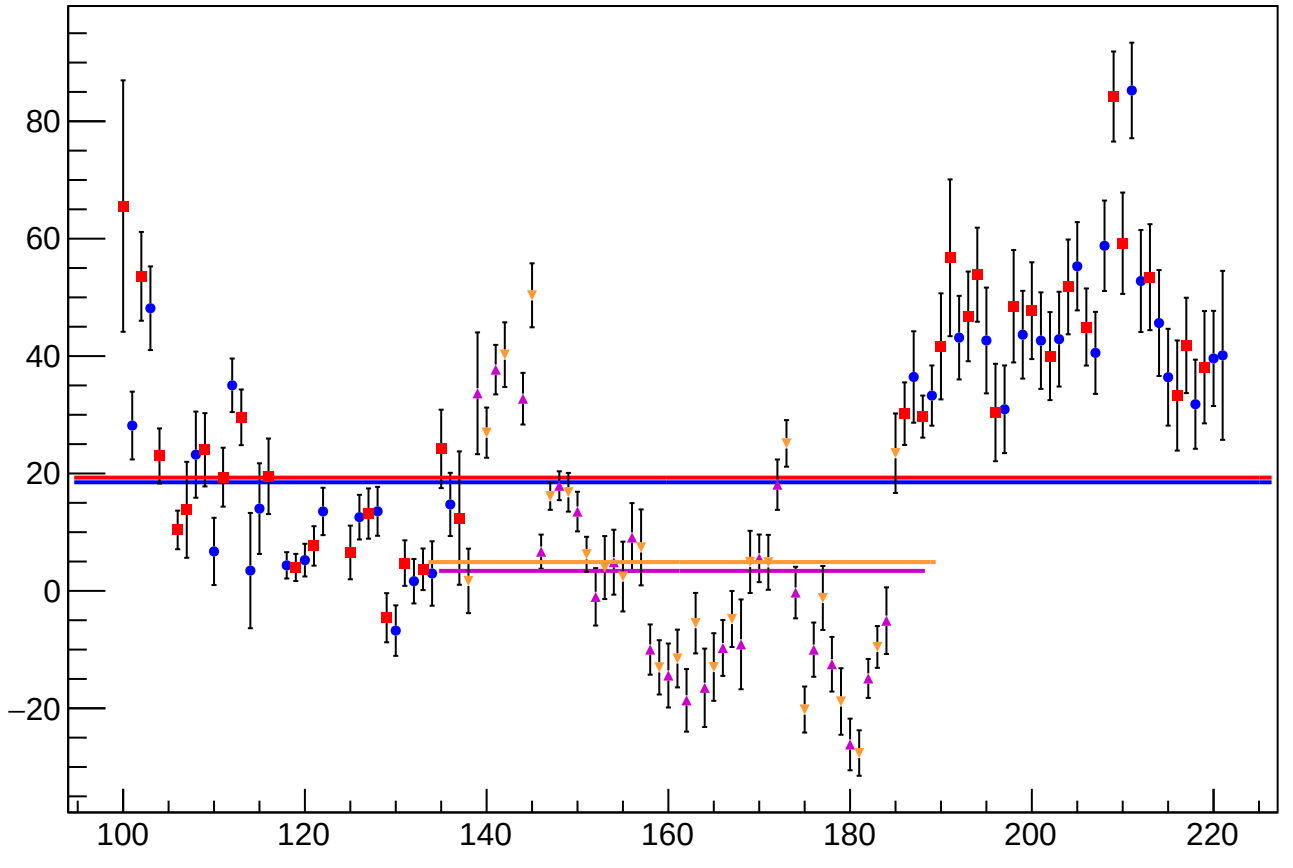
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -223.929+/-0.554 χ^2/NDF: 12313.9/69

In: -238.976+/-0.664 χ^2/NDF:7030.3/56

Out: -233.030+/-0.643 χ^2/NDF:12482.1/59

All: -235.905+/-0.462 χ^2/NDF: 19553.8/116



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: 19.293+/-0.891 χ^2/NDF: 412.8/35

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

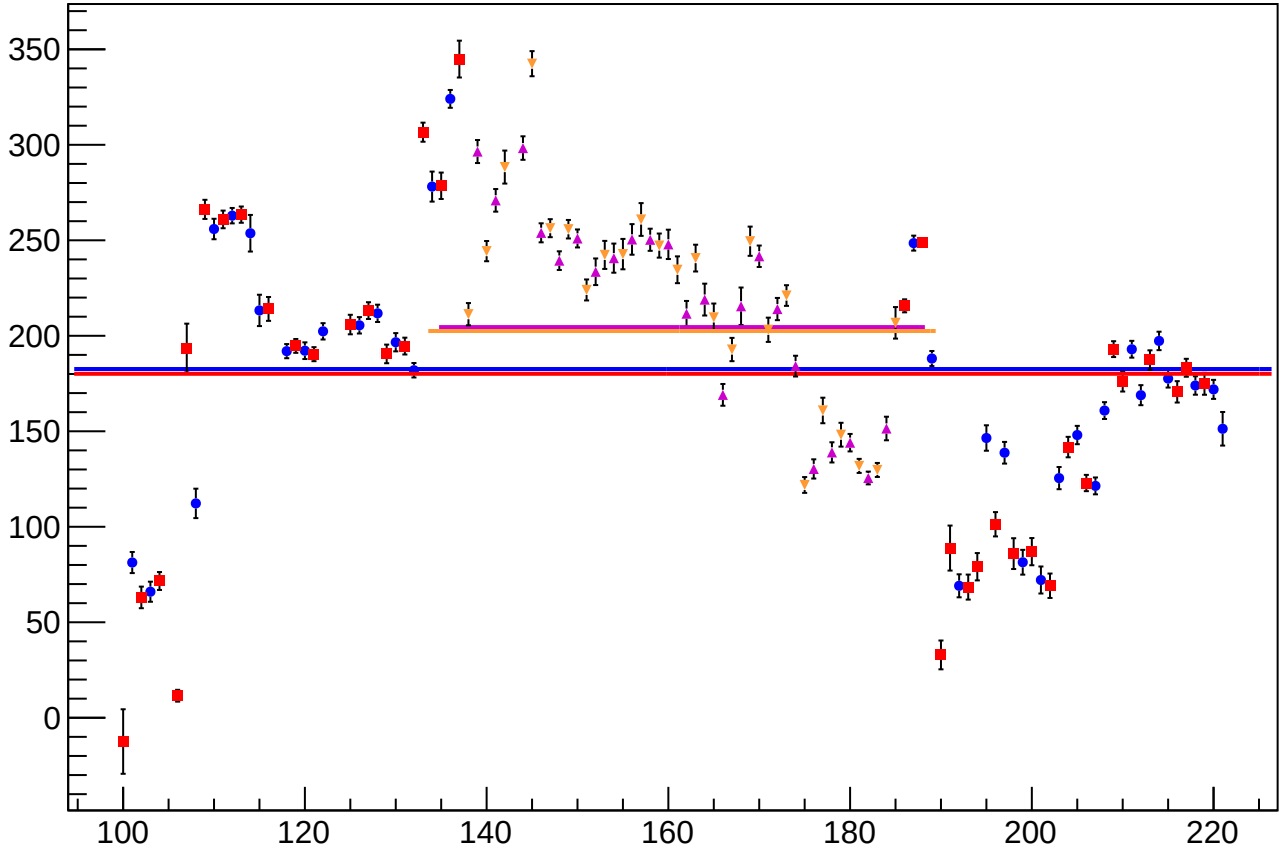
Right: 18.908+/-0.640 χ^2/NDF: 818.8/69

In: 10.793+/-0.644 χ^2/NDF:876.3/56

Out: 12.060+/-0.629 χ^2/NDF:942.7/59

All: 11.441+/-0.450 χ^2/NDF: 1820.9/116

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: 180.107+/-0.798 χ^2/NDF: 9504.3/35

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

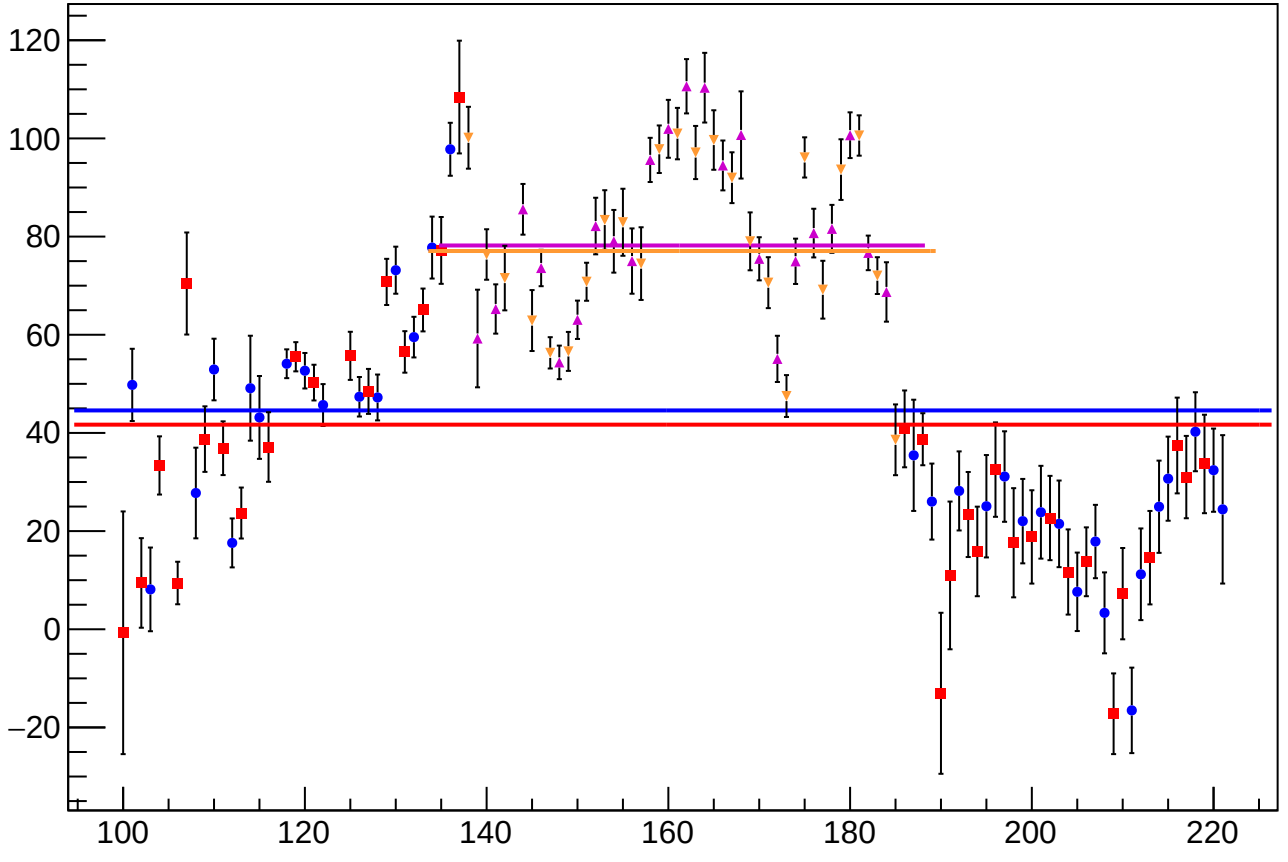
Right: 181.270+/-0.583 χ^2/NDF: 13869.9/69

In: 190.189+/-0.692 χ^2/NDF:6874.3/56

Out: 187.198+/-0.660 χ^2/NDF:12147.3/59

All: 188.622+/-0.477 χ^2/NDF: 19031.4/116

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 41.685+/-1.047 χ^2/NDF: 419.4/35

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

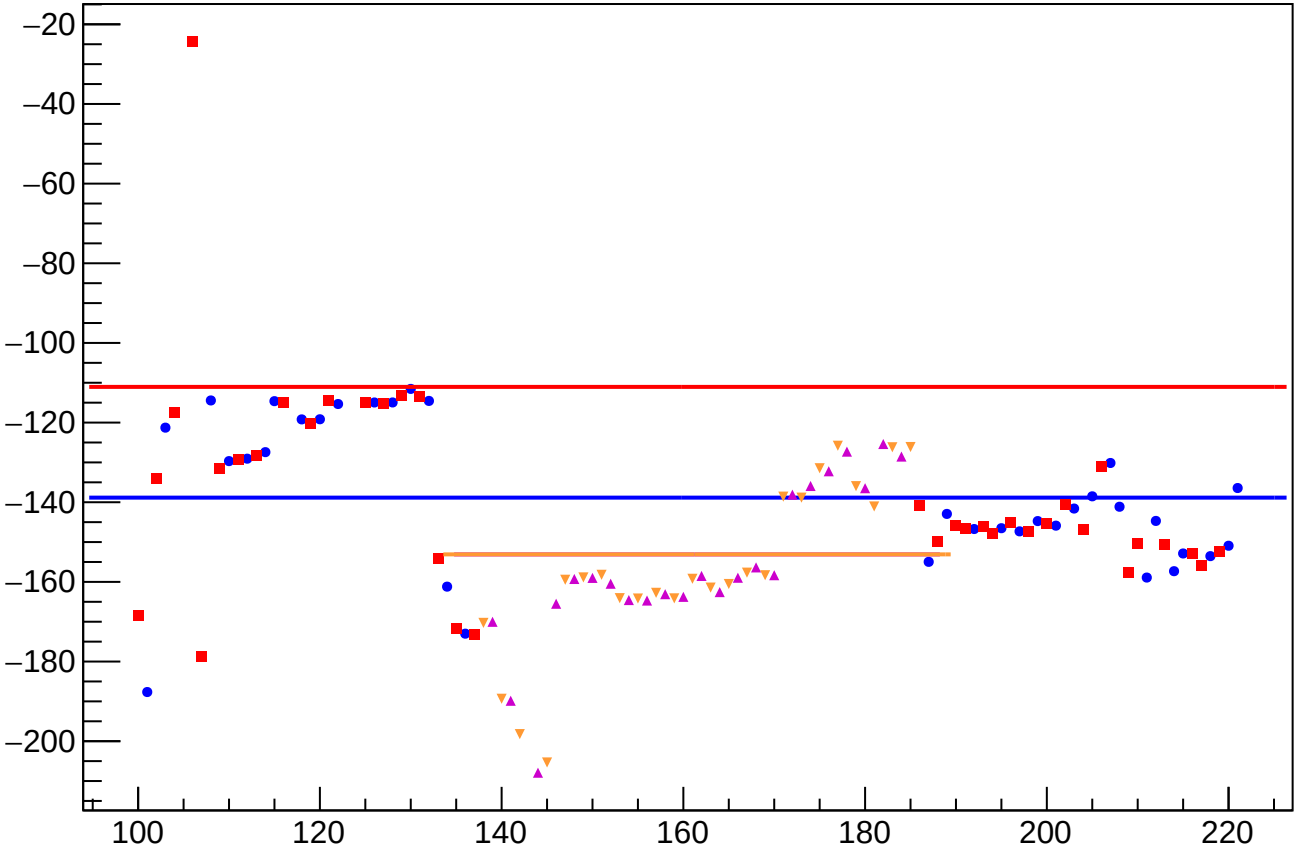
Right: 43.107+/-0.747 χ^2/NDF: 833.4/69

In: 62.047+/-0.739 χ^2/NDF:1158.5/56

Out: 59.913+/-0.729 χ^2/NDF:1319.2/59

All: 60.965+/-0.519 χ^2/NDF: 2481.9/116

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: -111.038+/-0.050 χ^2/NDF: 1037806.6/35

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

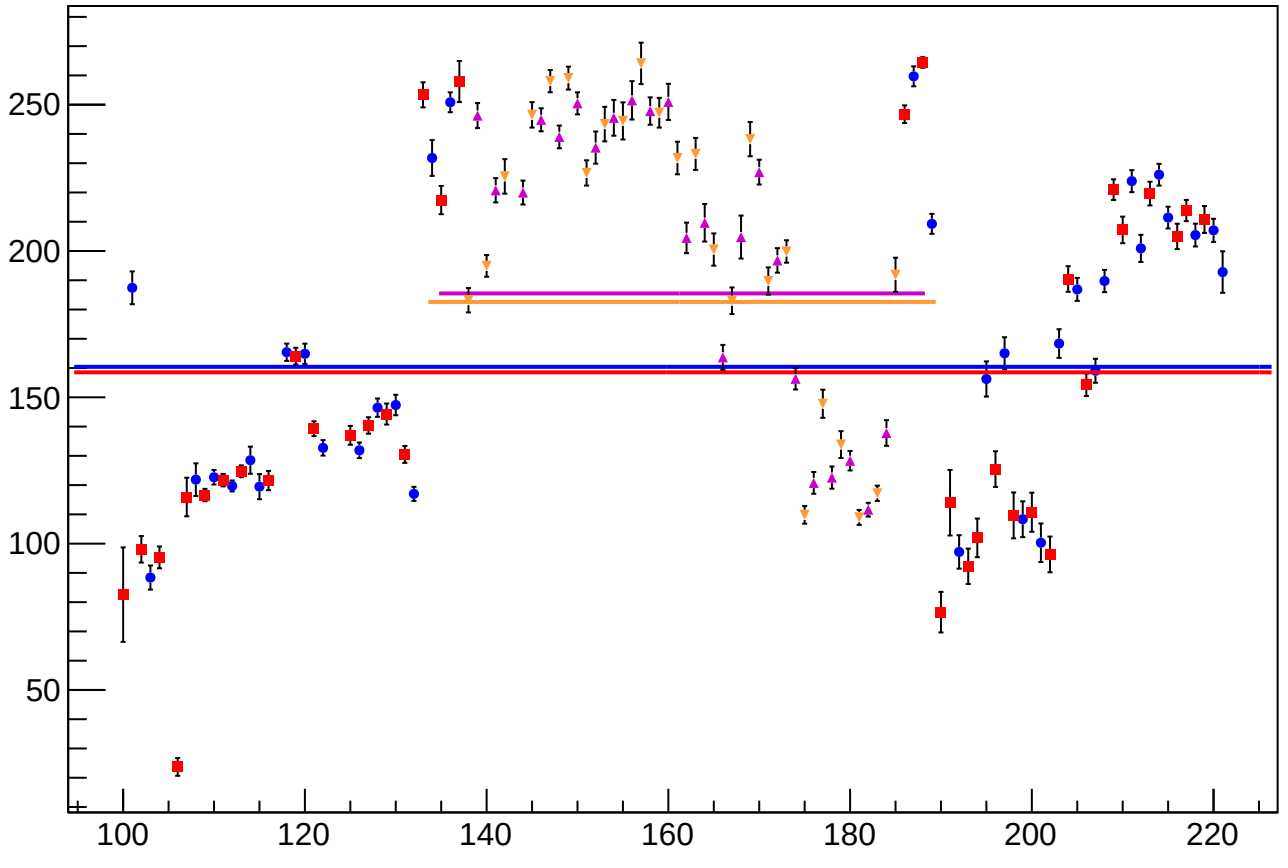
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -122.970+/-0.038 χ^2/NDF: 1280240.8/69

In: -147.494+/-0.036 χ^2/NDF:314313.8/56

Out: -133.492+/-0.034 χ^2/NDF:1589752.3/59

All: -140.089+/-0.025 χ^2/NDF: 1982652.9/11



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: 158.539+/-0.584 χ^2/NDF: 10749.8/35

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

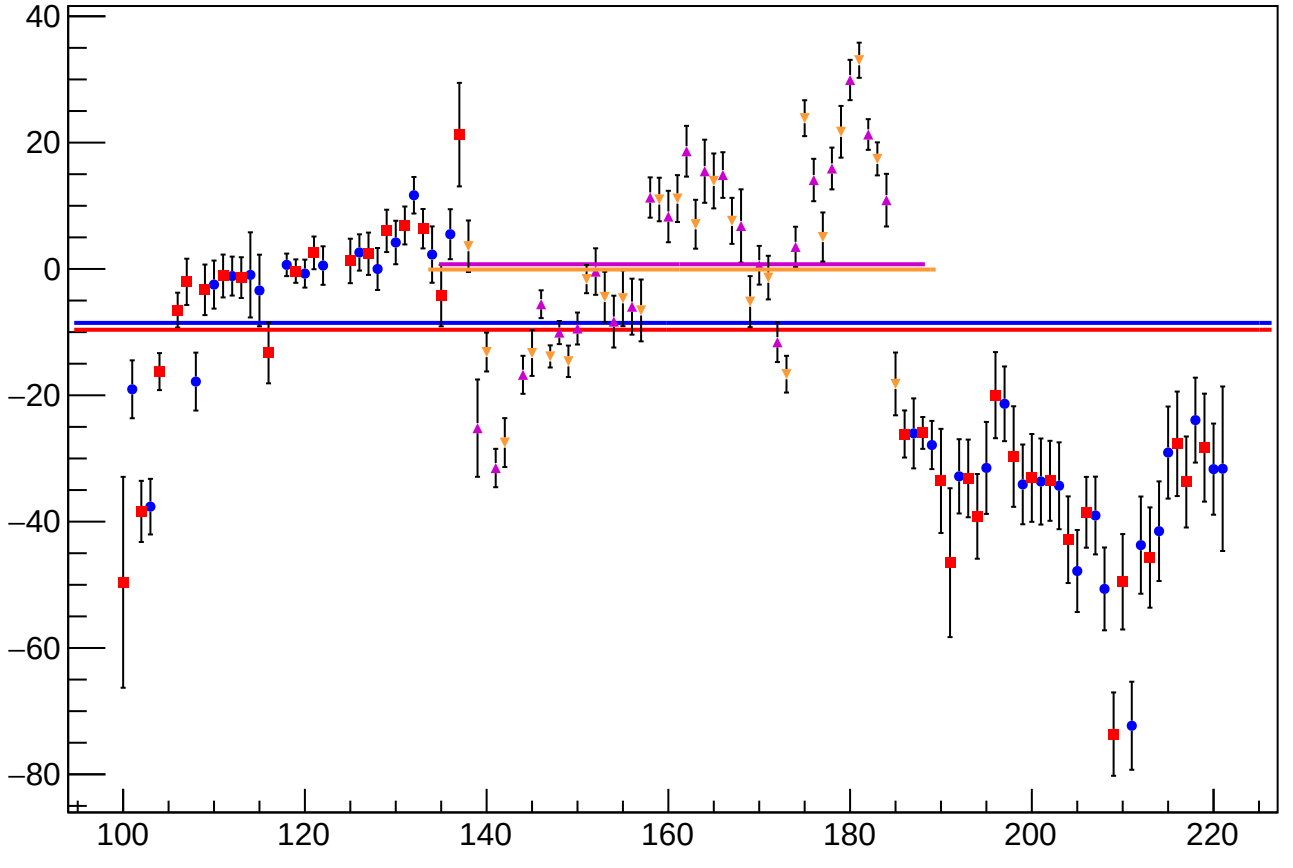
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 159.420+/-0.426 χ^2/NDF: 16005.5/69

In: 168.871+/-0.506 χ^2/NDF:9621.0/56

Out: 166.063+/-0.484 χ^2/NDF:15432.2/59

All: 167.404+/-0.350 χ^2/NDF: 25069.2/116



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: -9.626+/-0.679 χ^2/NDF: 592.9/35

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

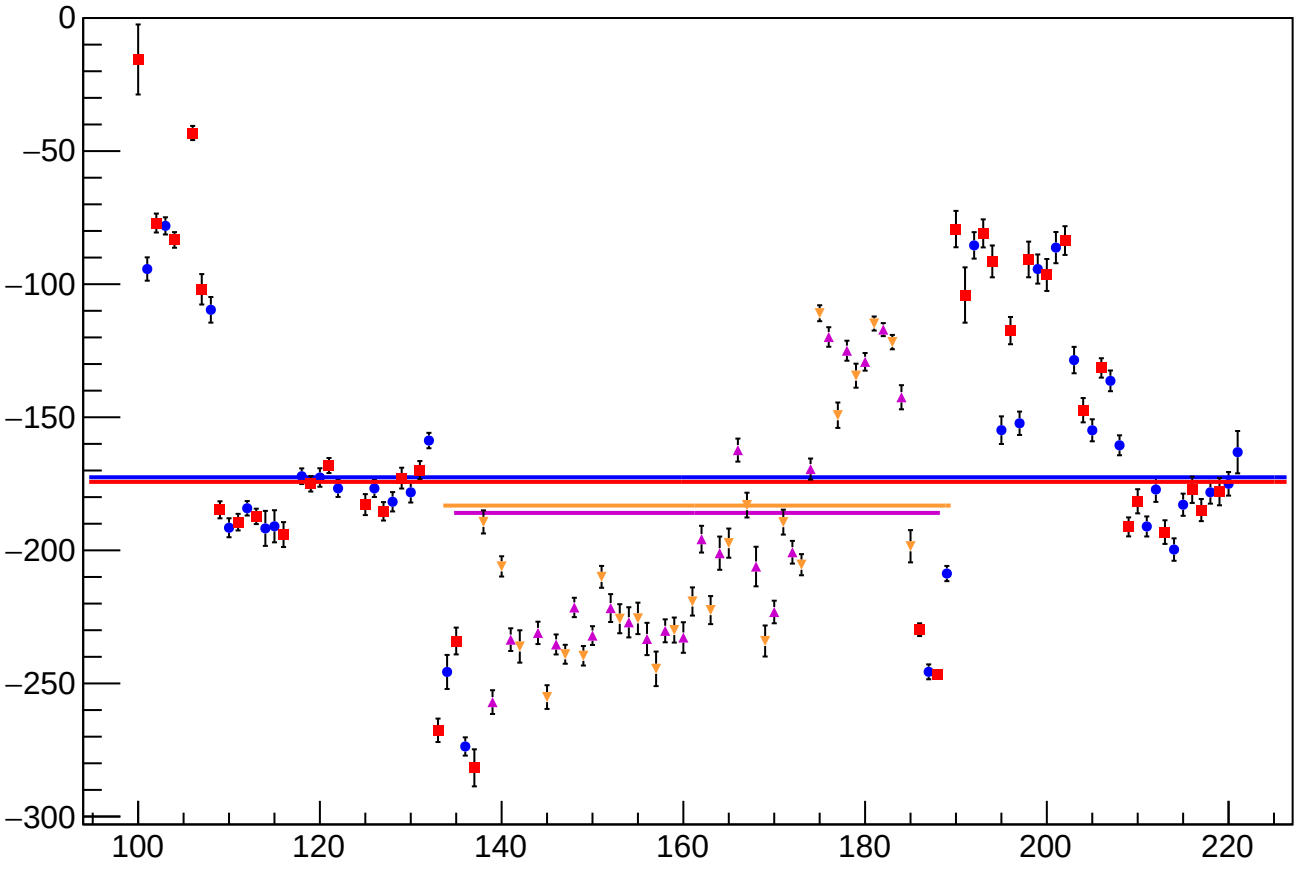
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -9.107+/-0.492 χ^2/NDF: 1170.6/69

In: -3.577+/-0.486 χ^2/NDF:1165.0/56

Out: -4.685+/-0.471 χ^2/NDF:1250.3/59

All: -4.148+/-0.338 χ^2/NDF: 2418.0/116



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: -174.276+/-0.609 χ^2/NDF: 10051.1/35

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

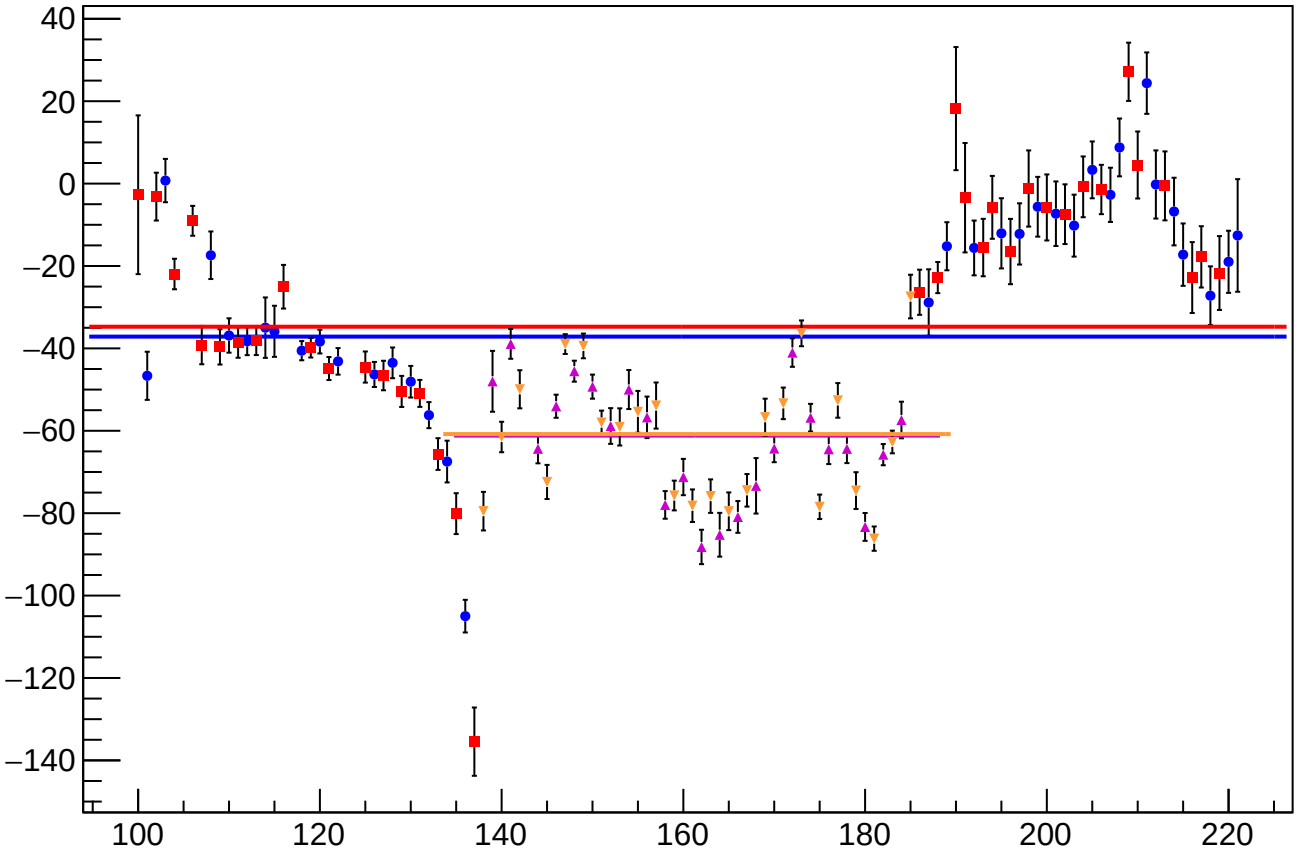
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.489+/-0.450 χ^2/NDF: 14372.1/69

In: -177.525+/-0.529 χ^2/NDF:7648.7/56

Out: -177.239+/-0.498 χ^2/NDF:13483.4/59

All: -177.374+/-0.362 χ^2/NDF: 21132.2/116



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: -34.739+/-0.800 χ^2/NDF: 751.2/35

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

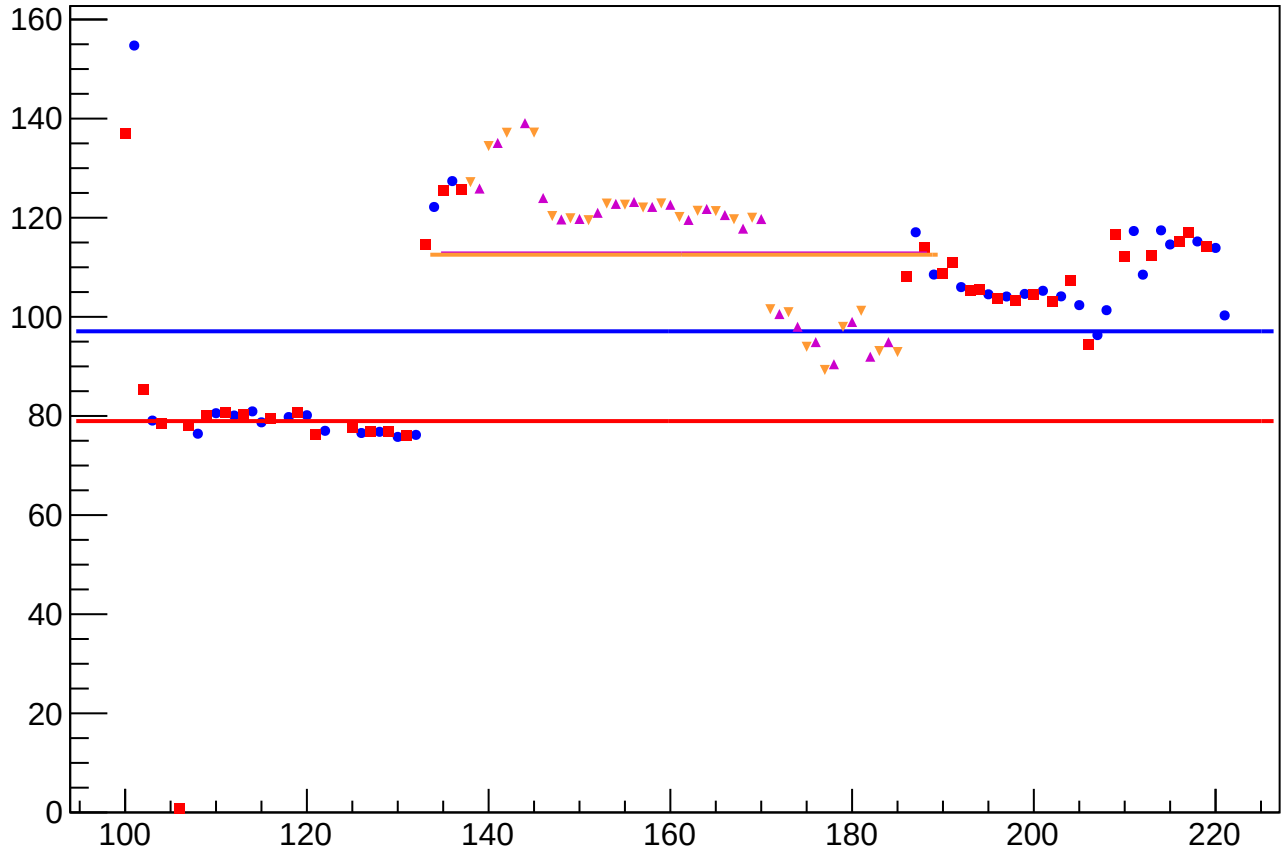
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -35.900+/-0.575 χ^2/NDF: 1529.3/69

In: -50.221+/-0.558 χ^2/NDF:1550.1/56

Out: -48.628+/-0.547 χ^2/NDF:1790.8/59

All: -49.408+/-0.391 χ^2/NDF: 3345.1/116



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: 78.967+/-0.040 χ^2/NDF: 930453.0/35

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

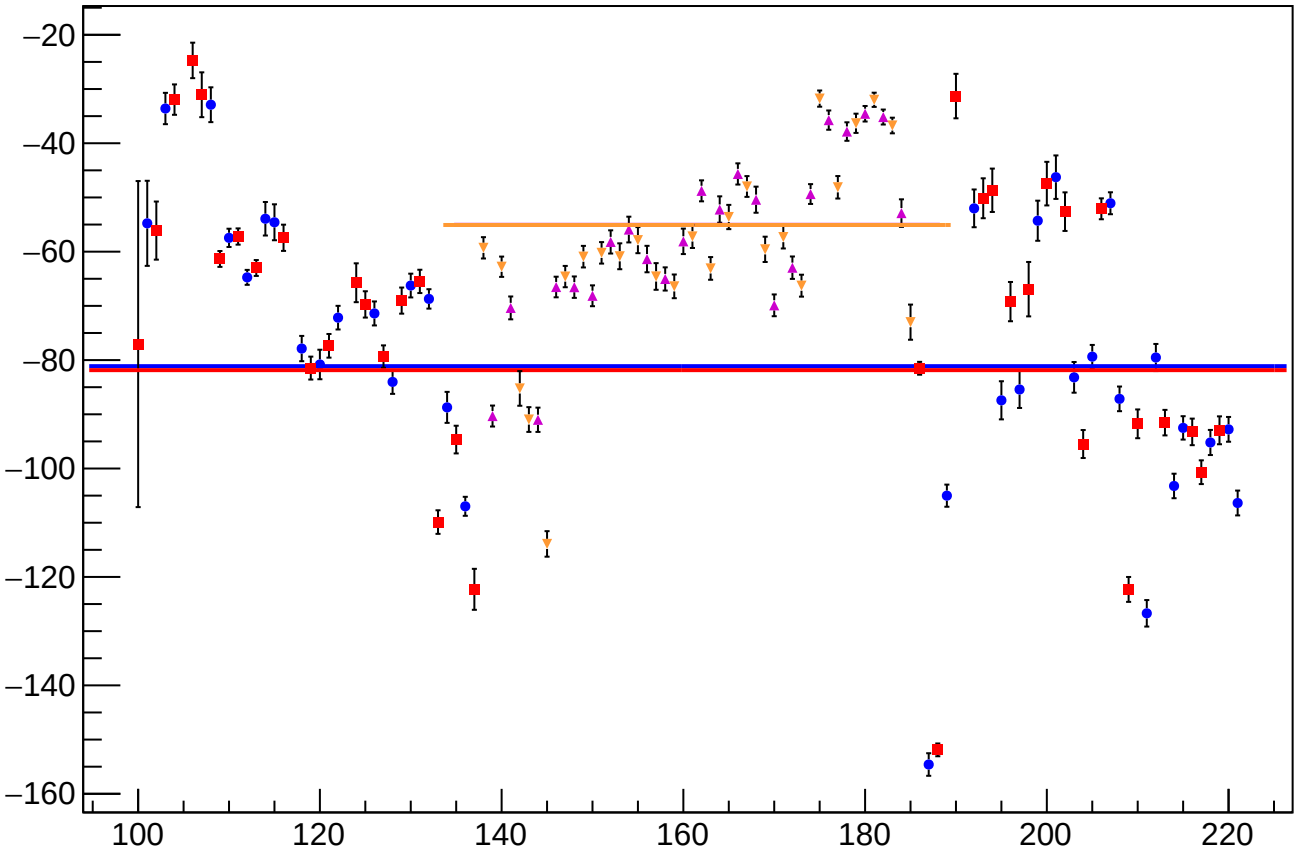
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.949+/-0.030 χ^2/NDF: 1217562.4/69

In: 106.962+/-0.027 χ^2/NDF:444636.0/56

Out: 98.084+/-0.026 χ^2/NDF:1510745.8/59

All: 102.322+/-0.019 χ^2/NDF: 2010640.0/116



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: -81.855+/-0.379 χ^2/NDF: 6674.8/35

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

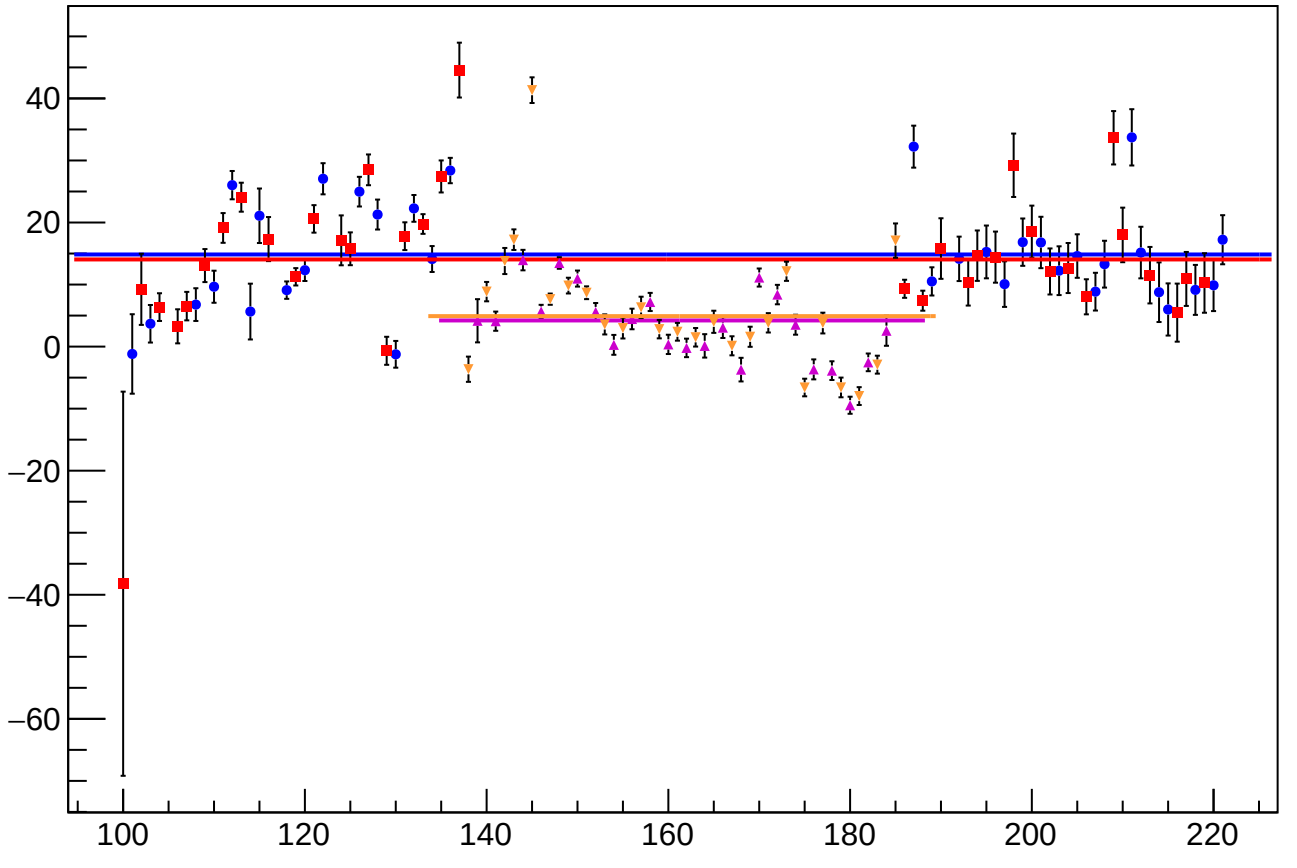
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -81.510+/-0.276 χ^2/NDF: 10492.6/69

In: -68.318+/-0.288 χ^2/NDF:7411.1/56

Out: -69.190+/-0.275 χ^2/NDF:11033.1/60

All: -68.773+/-0.199 χ^2/NDF: 18448.9/117



Right In: 14.848+/-0.483 χ^2/NDF: 306.6/33

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.047+/-0.450 χ^2/NDF: 315.9/35

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

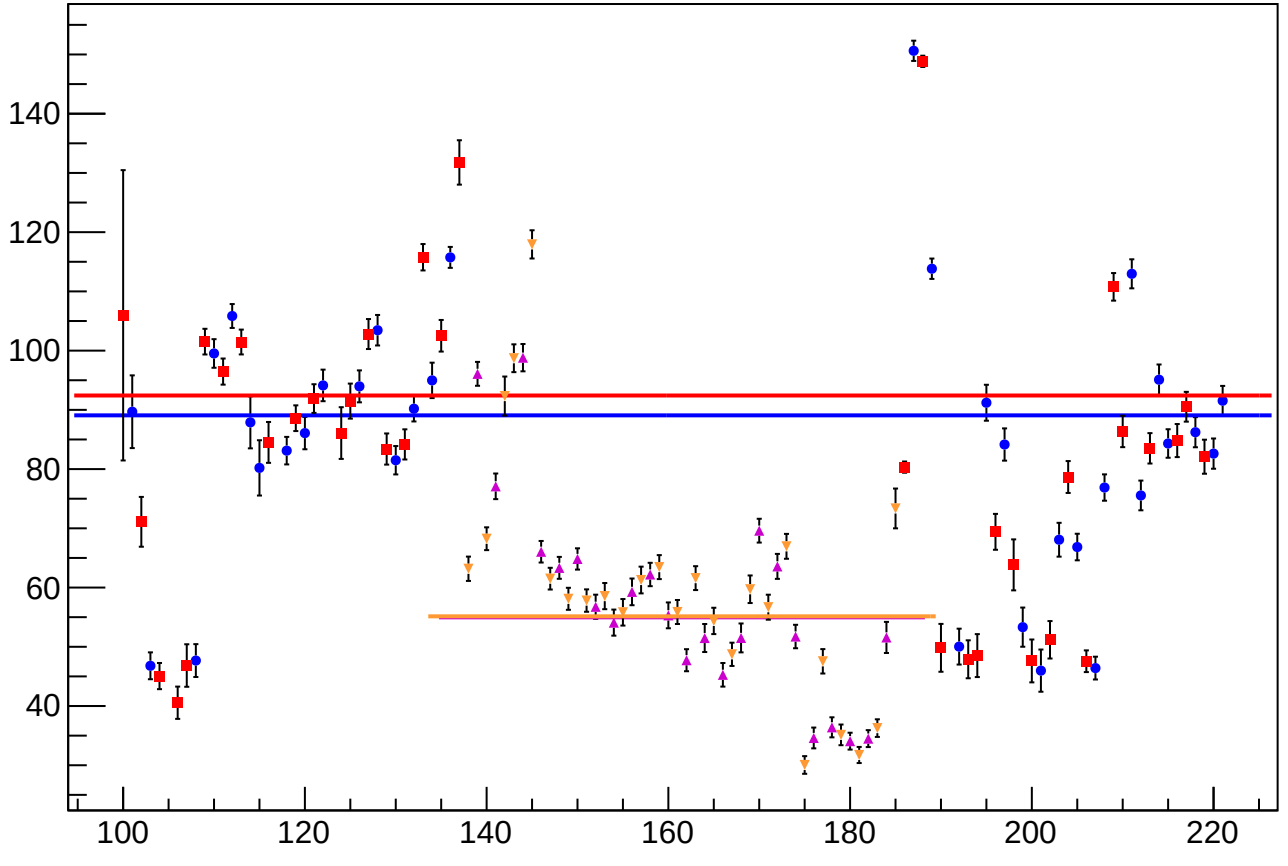
Right: 14.419+/-0.329 χ^2/NDF: 623.9/69

In: 7.354+/-0.262 χ^2/NDF:1063.7/56

Out: 7.743+/-0.250 χ^2/NDF:1342.4/60

All: 7.558+/-0.181 χ^2/NDF: 2407.3/117

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: 92.425+/-0.385 χ^2/NDF: 6633.6/35

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

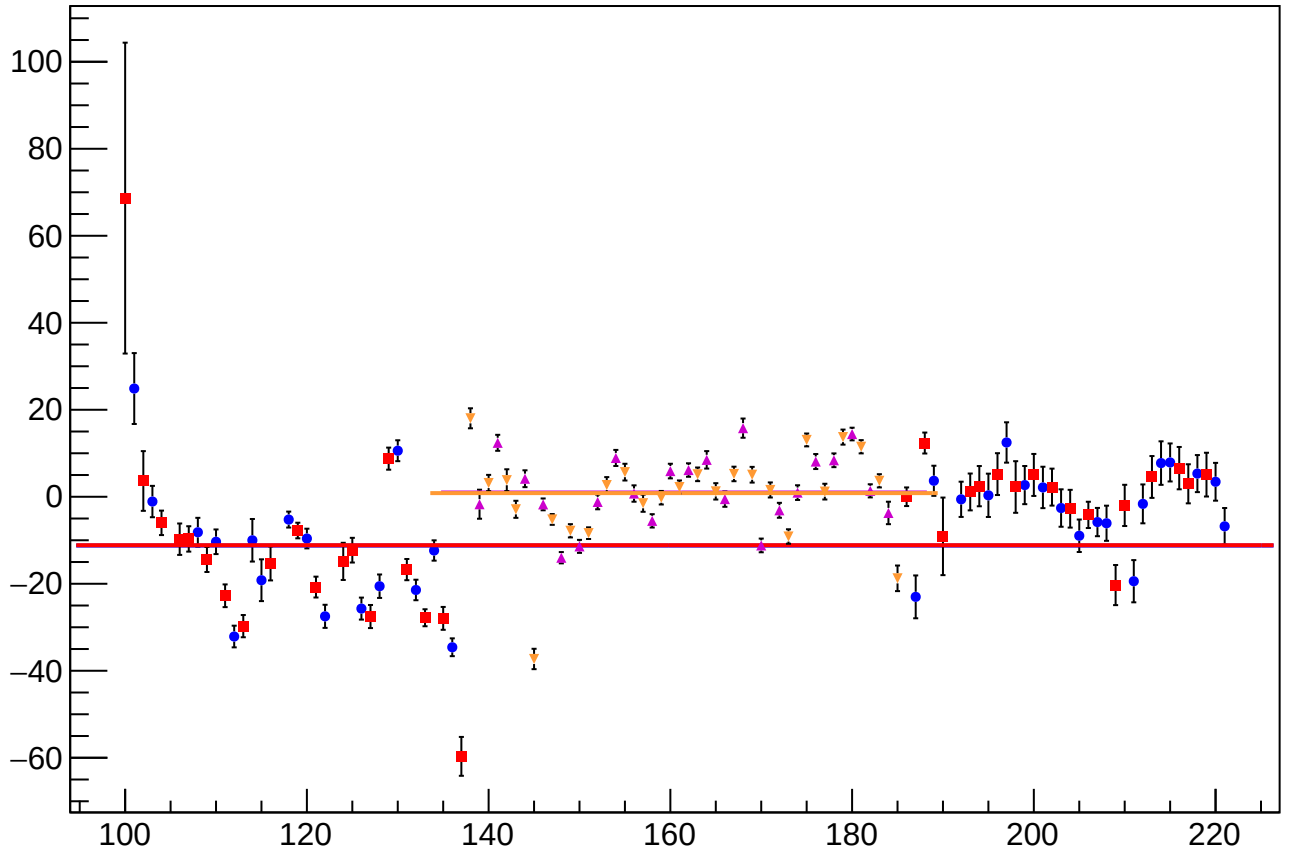
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 90.913+/-0.285 χ^2/NDF: 10369.5/69

In: 71.246+/-0.293 χ^2/NDF:8855.8/56

Out: 74.355+/-0.276 χ^2/NDF:13423.1/60

All: 72.893+/-0.201 χ^2/NDF: 22338.4/117



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: -11.139+/-0.533 χ^2/NDF: 683.9/35

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

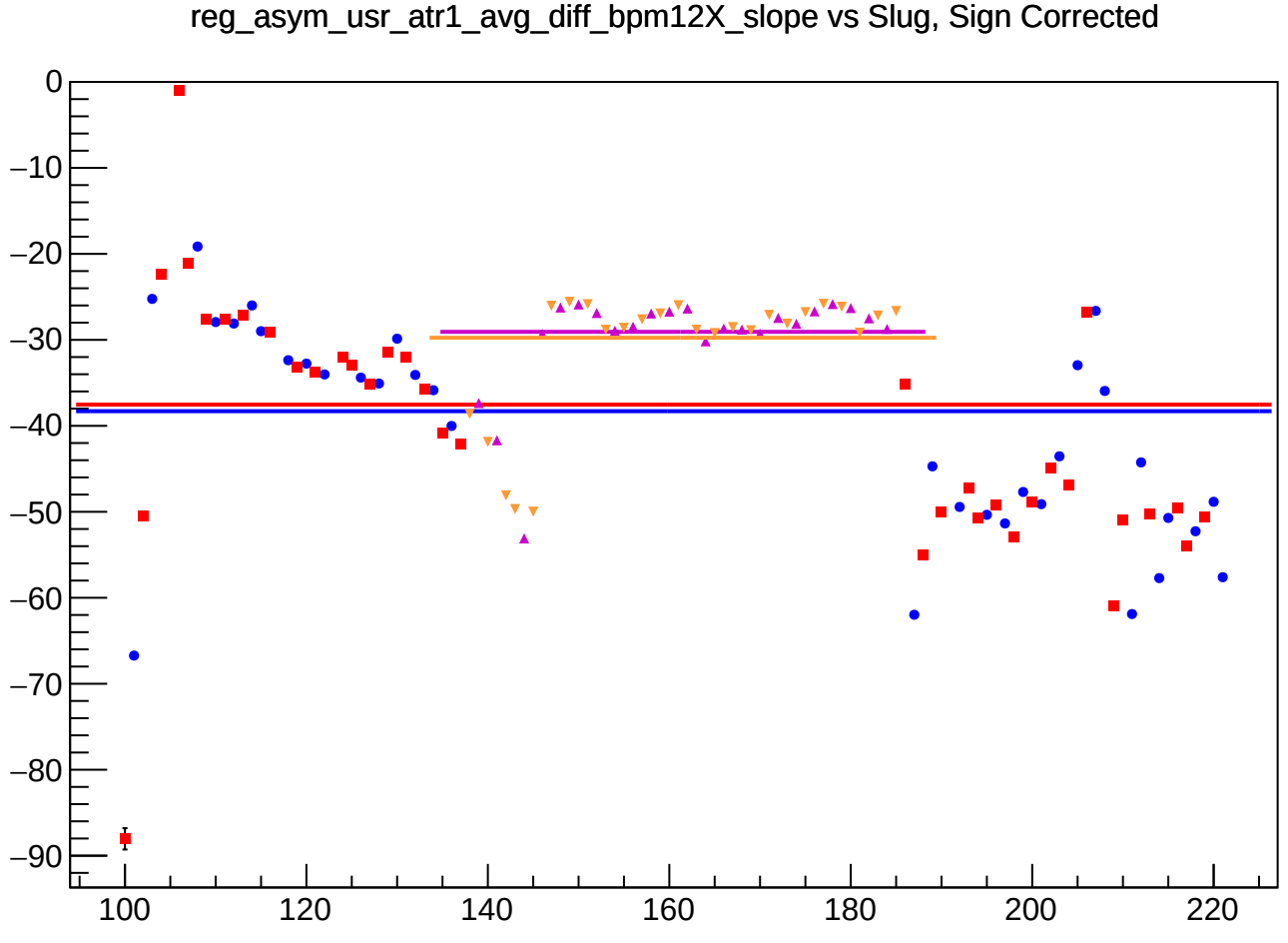
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.177+/-0.384 χ^2/NDF: 1268.8/69

In: -2.547+/-0.298 χ^2/NDF:1487.9/56

Out: -2.666+/-0.288 χ^2/NDF:1758.3/60

All: -2.608+/-0.207 χ^2/NDF: 3246.3/117



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: -37.533+/-0.028 χ^2/NDF: 240645.3/35

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

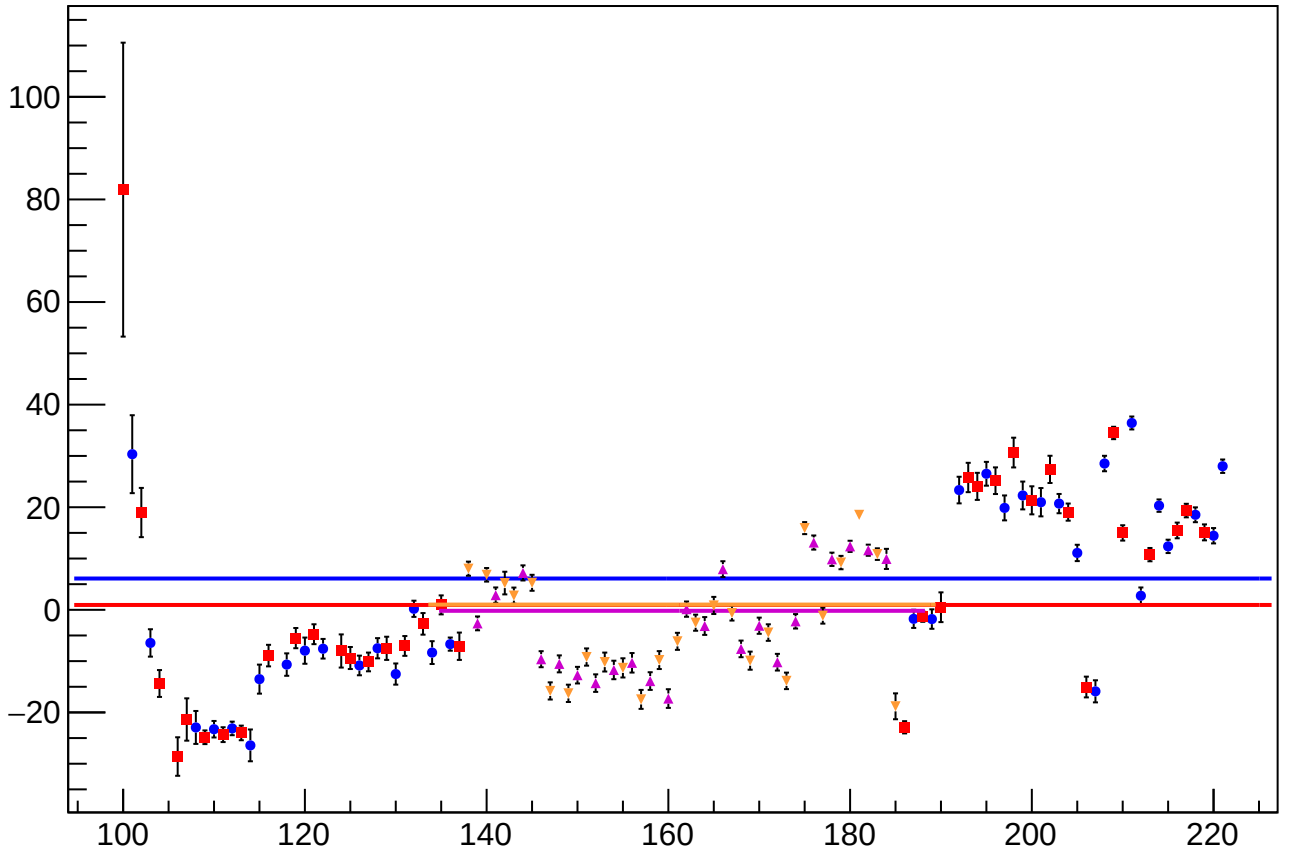
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.913+/-0.020 χ^2/NDF: 393474.6/69

In: -31.323+/-0.014 χ^2/NDF:337459.3/56

Out: -31.629+/-0.014 χ^2/NDF:464369.4/60

All: -31.478+/-0.010 χ^2/NDF: 802080.9/117



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: 0.948+/-0.306 χ^2/NDF: 3653.7/35

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

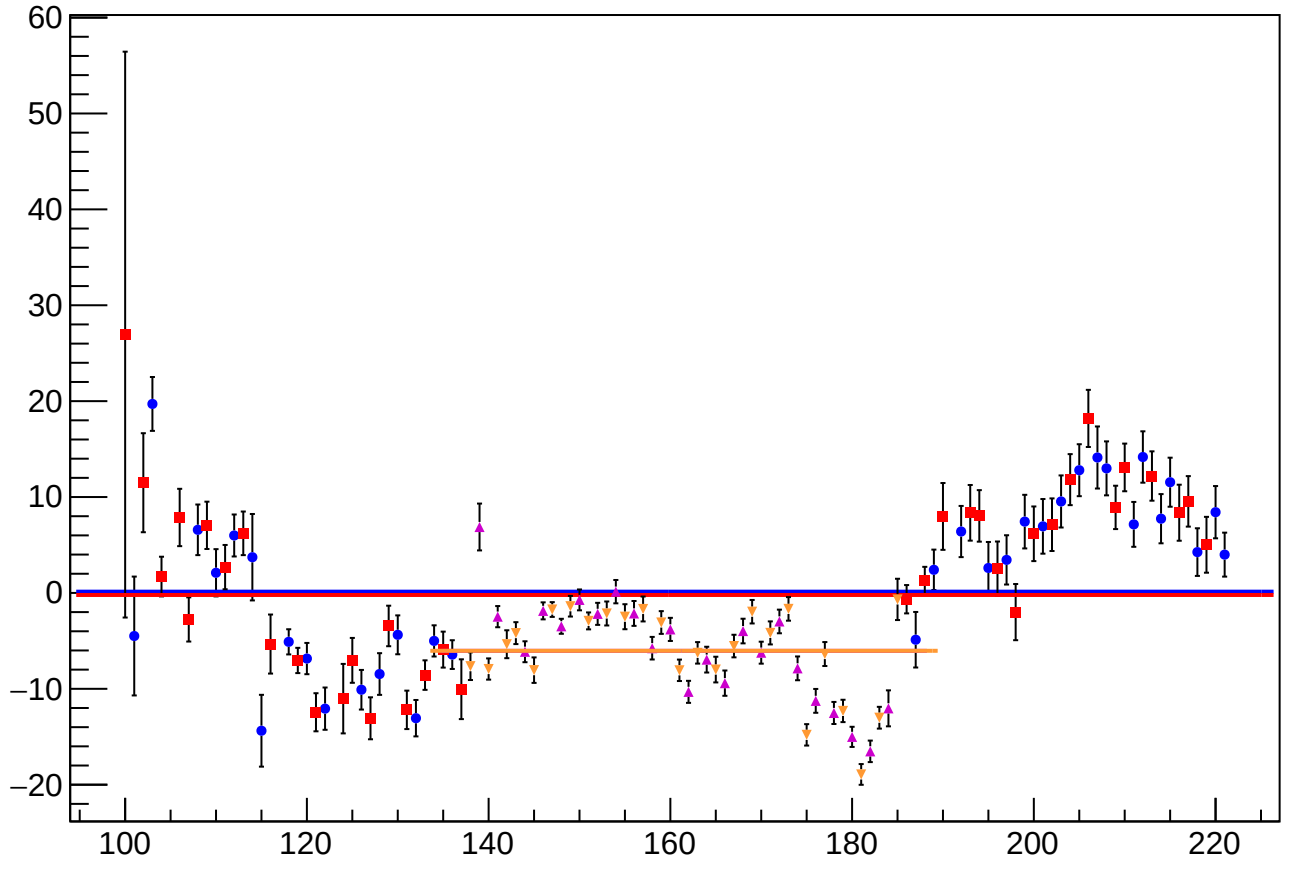
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: 3.510+/-0.217 χ^2/NDF: 7170.4/69

In: 3.023+/-0.220 χ^2/NDF:4563.0/56

Out: 0.982+/-0.216 χ^2/NDF:4988.8/60

All: 1.983+/-0.154 χ^2/NDF: 9595.6/117



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: -0.213+/-0.386 χ^2/NDF: 430.6/35

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

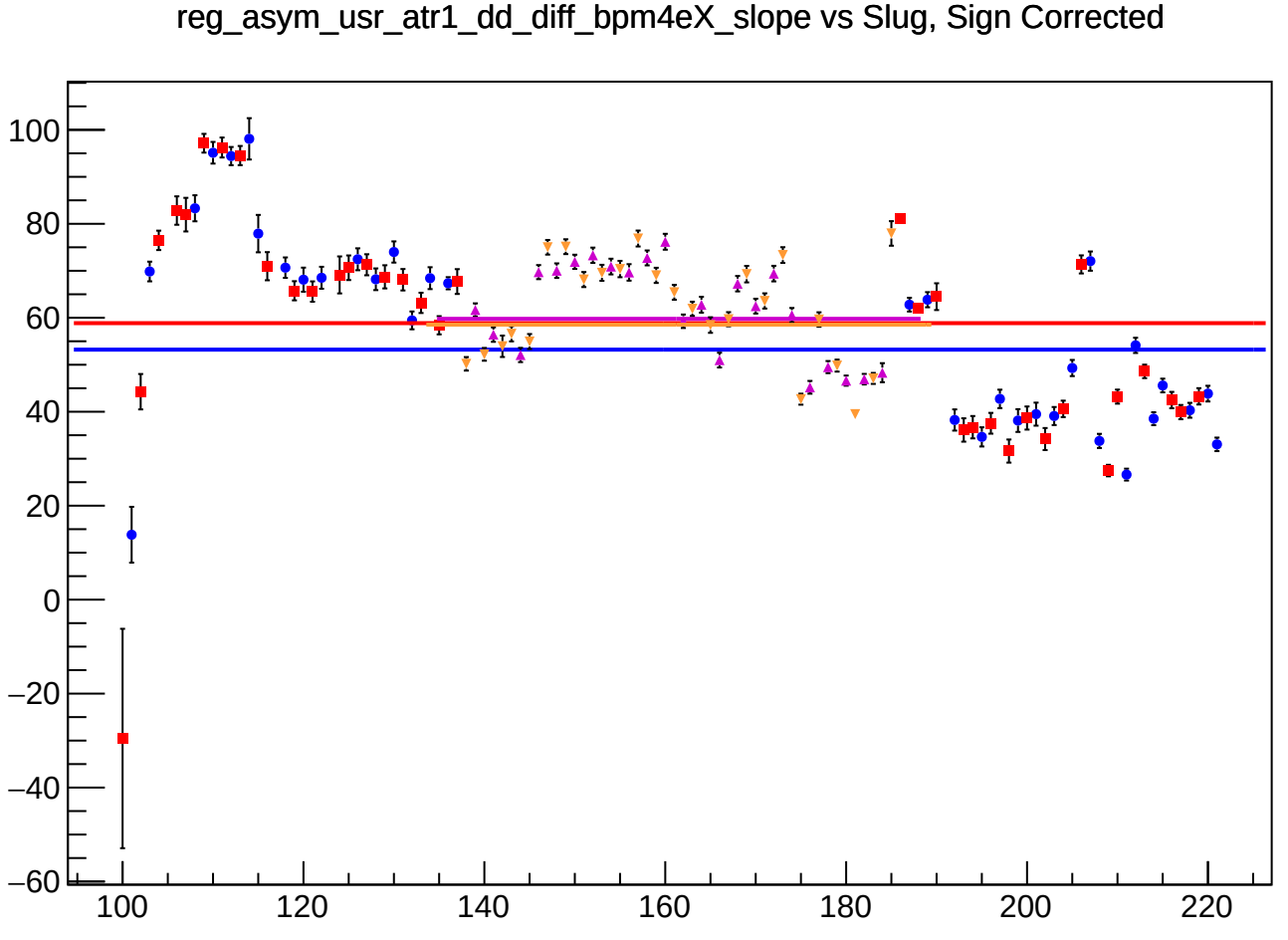
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -0.045+/-0.276 χ^2/NDF: 875.1/69

In: -4.357+/-0.207 χ^2/NDF:1017.0/56

Out: -4.476+/-0.200 χ^2/NDF:1012.4/60

All: -4.419+/-0.144 χ^2/NDF: 2029.6/117



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: 58.855+/-0.313 χ^2/NDF: 3748.9/35

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

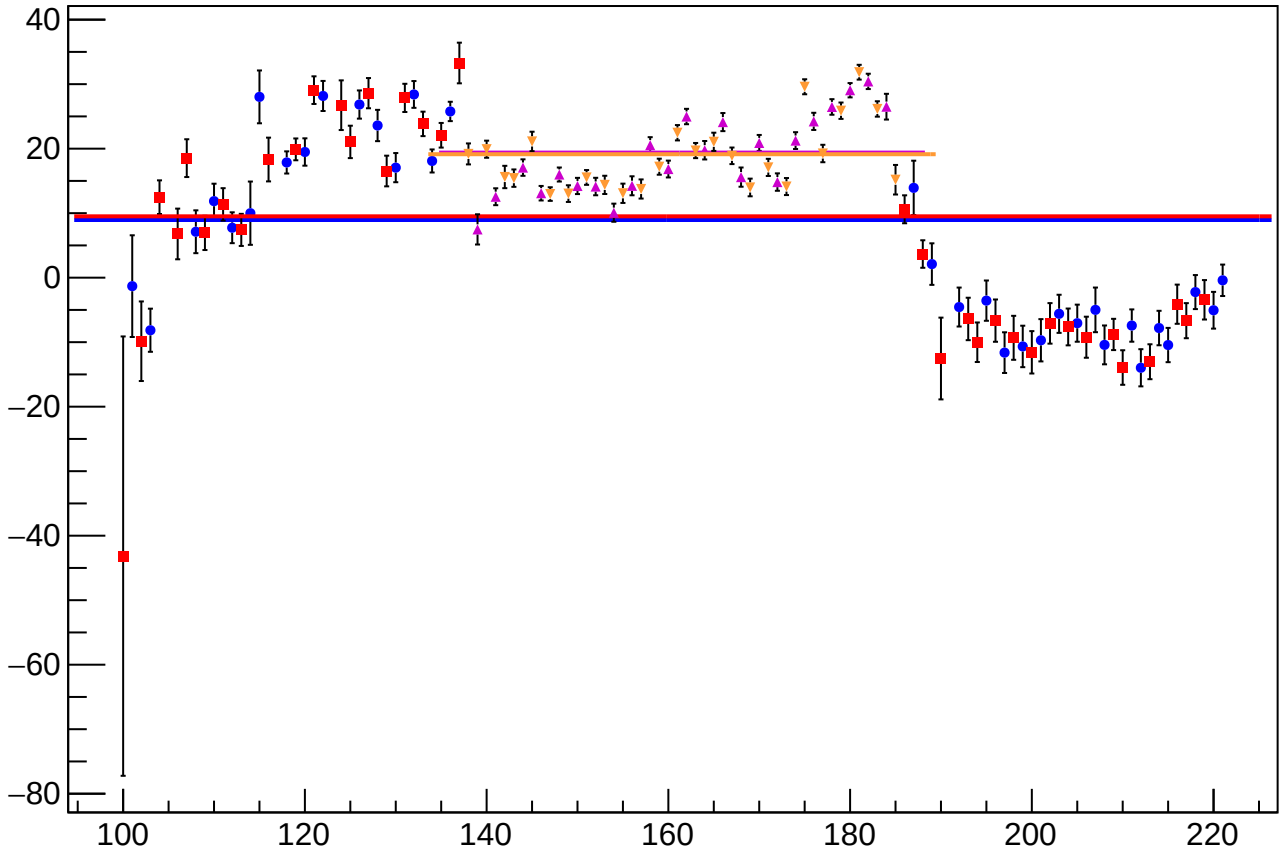
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 56.131+/-0.225 χ^2/NDF: 7065.5/69

In: 56.621+/-0.224 χ^2/NDF:4443.5/56

Out: 58.690+/-0.218 χ^2/NDF:5198.6/60

All: 57.688+/-0.156 χ^2/NDF: 9685.9/117



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: 9.510+/-0.449 χ^2/NDF: 1052.7/35

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

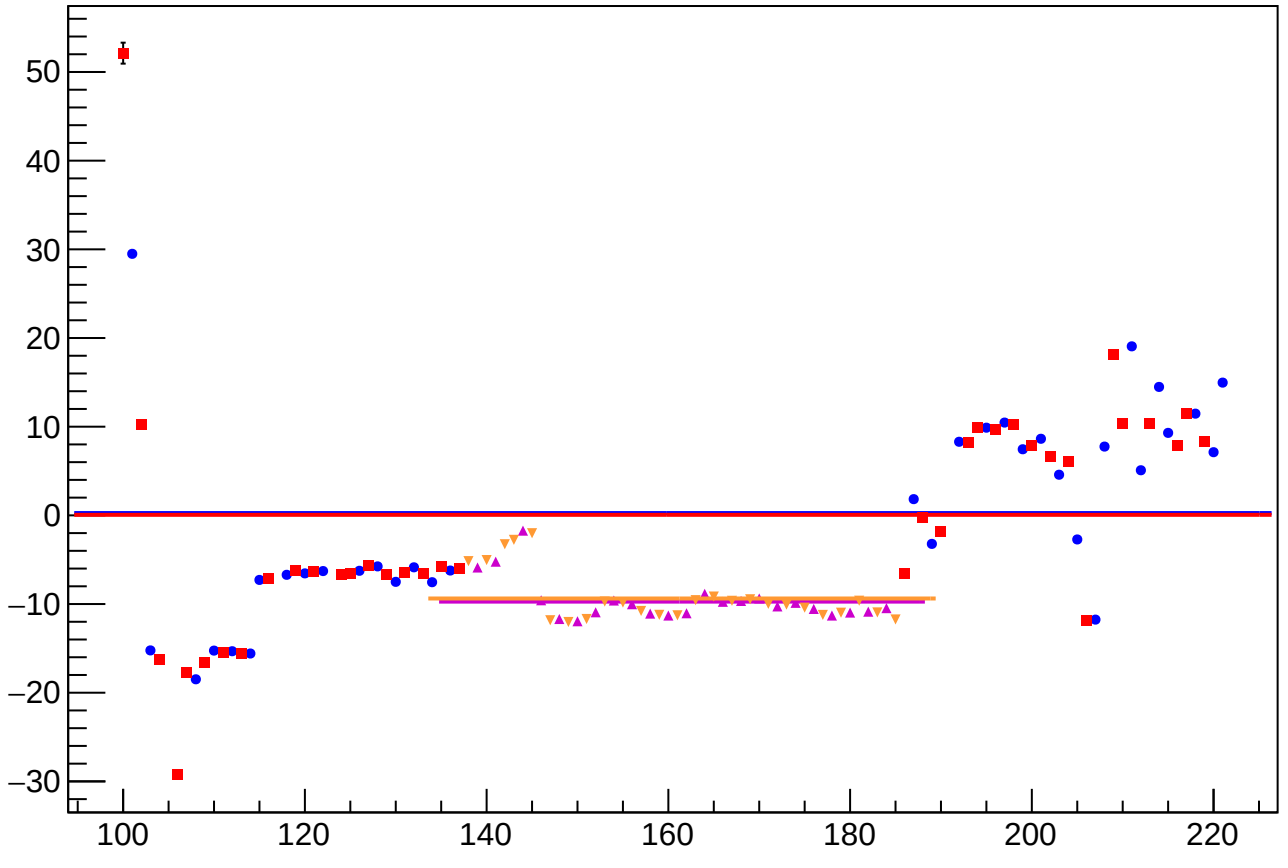
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 9.224+/-0.317 χ^2/NDF: 2103.0/69

In: 16.544+/-0.233 χ^2/NDF:1914.6/56

Out: 16.662+/-0.228 χ^2/NDF:1828.4/60

All: 16.604+/-0.163 χ^2/NDF: 3743.1/117



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: 0.061+/-0.022 χ^2/NDF: 248255.4/35

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

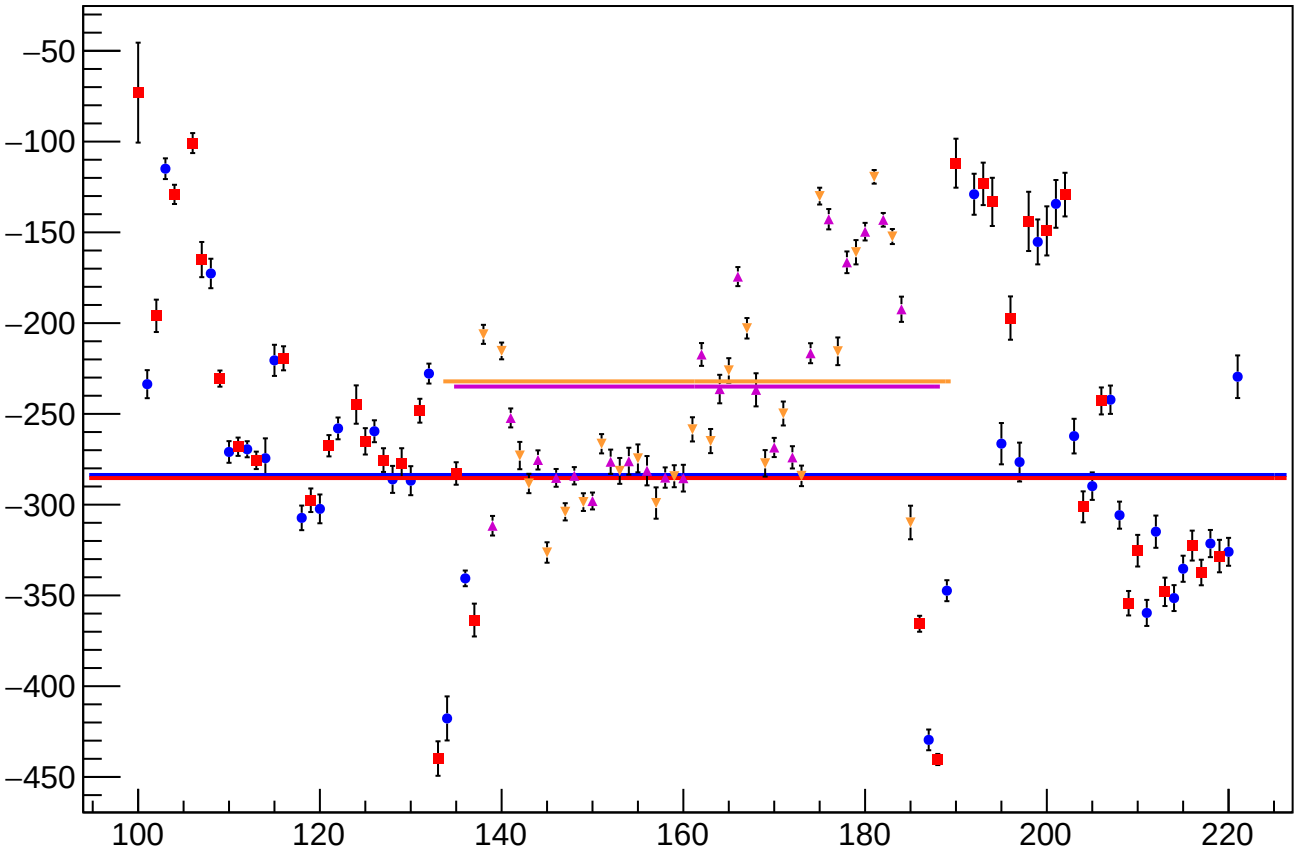
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: 0.161+/-0.015 χ^2/NDF: 477881.7/69

In: -7.332+/-0.011 χ^2/NDF:424447.4/56

Out: -7.239+/-0.010 χ^2/NDF:440925.5/60

All: -7.285+/-0.007 χ^2/NDF: 865412.0/117



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: -285.354+/-1.139 χ^2/NDF: 7085.9/35

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

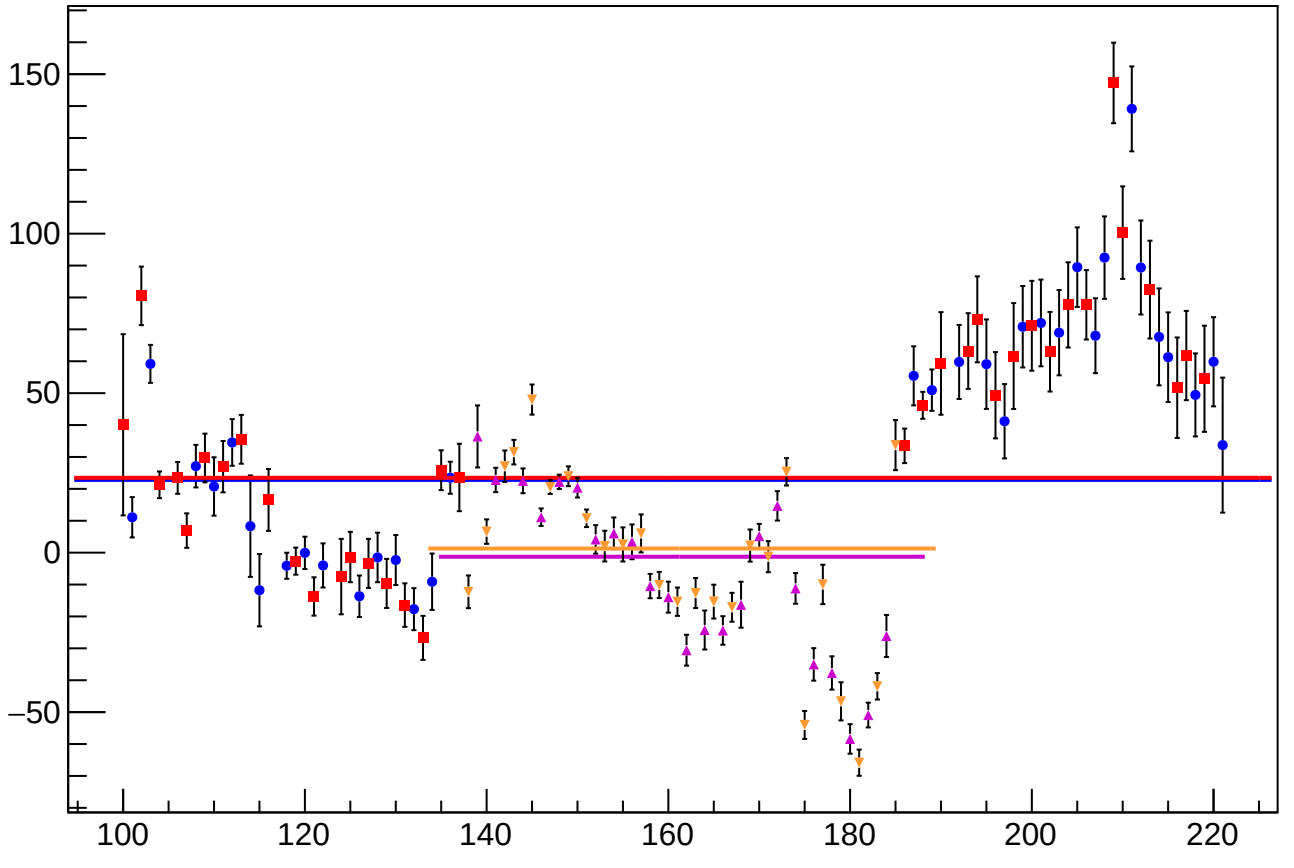
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -284.572+/-0.837 χ^2/NDF: 10298.5/69

In: -258.132+/-0.851 χ^2/NDF:6498.5/56

Out: -258.825+/-0.807 χ^2/NDF:11445.8/60

All: -258.497+/-0.585 χ^2/NDF: 17944.6/117



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: 23.459+/-1.300 χ^2/NDF: 550.5/35

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

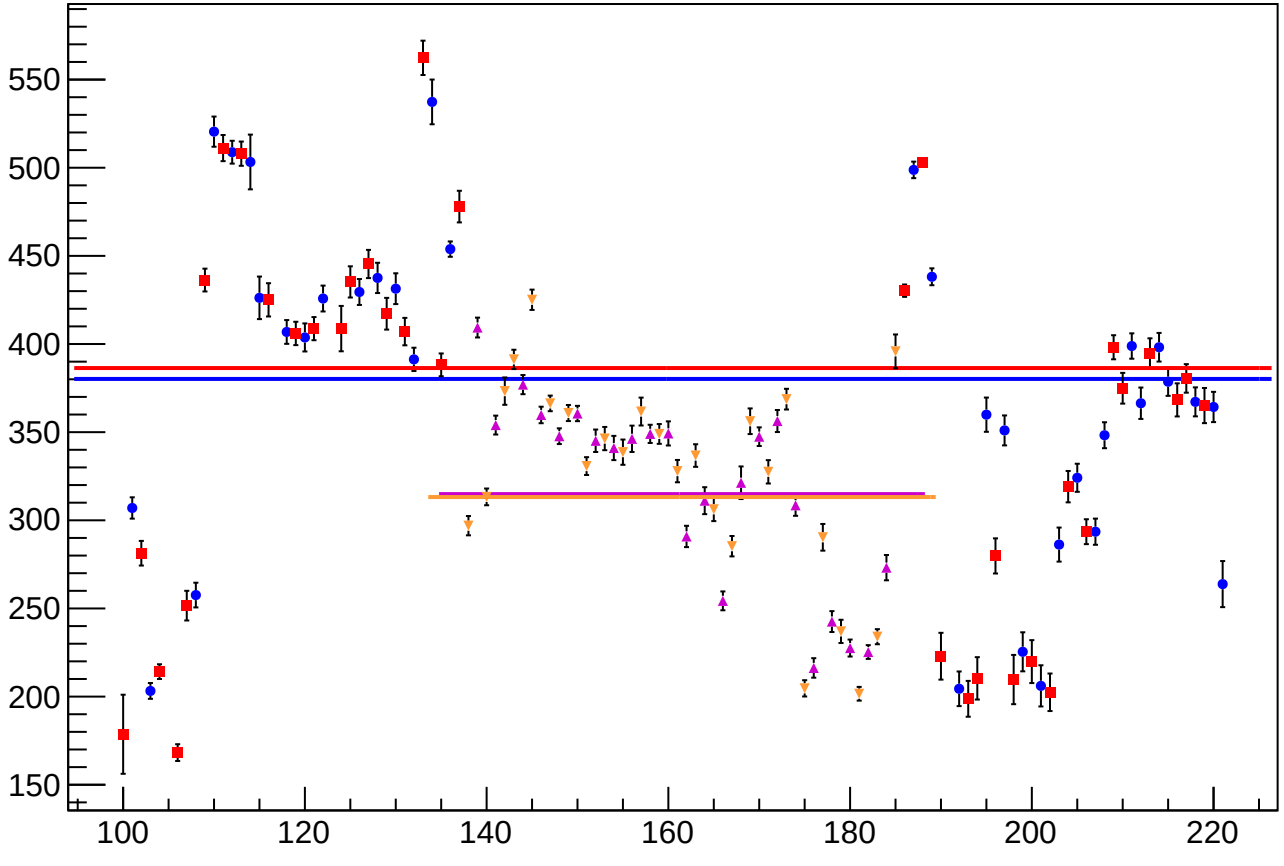
Right: 23.165+/-0.959 χ^2/NDF: 1072.7/69

In: 5.274+/-0.741 χ^2/NDF:1542.5/56

Out: 7.790+/-0.704 χ^2/NDF:1805.5/60

All: 6.597+/-0.510 χ^2/NDF: 3354.1/117

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: 386.370+/-1.128 χ^2/NDF: 9710.3/35

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

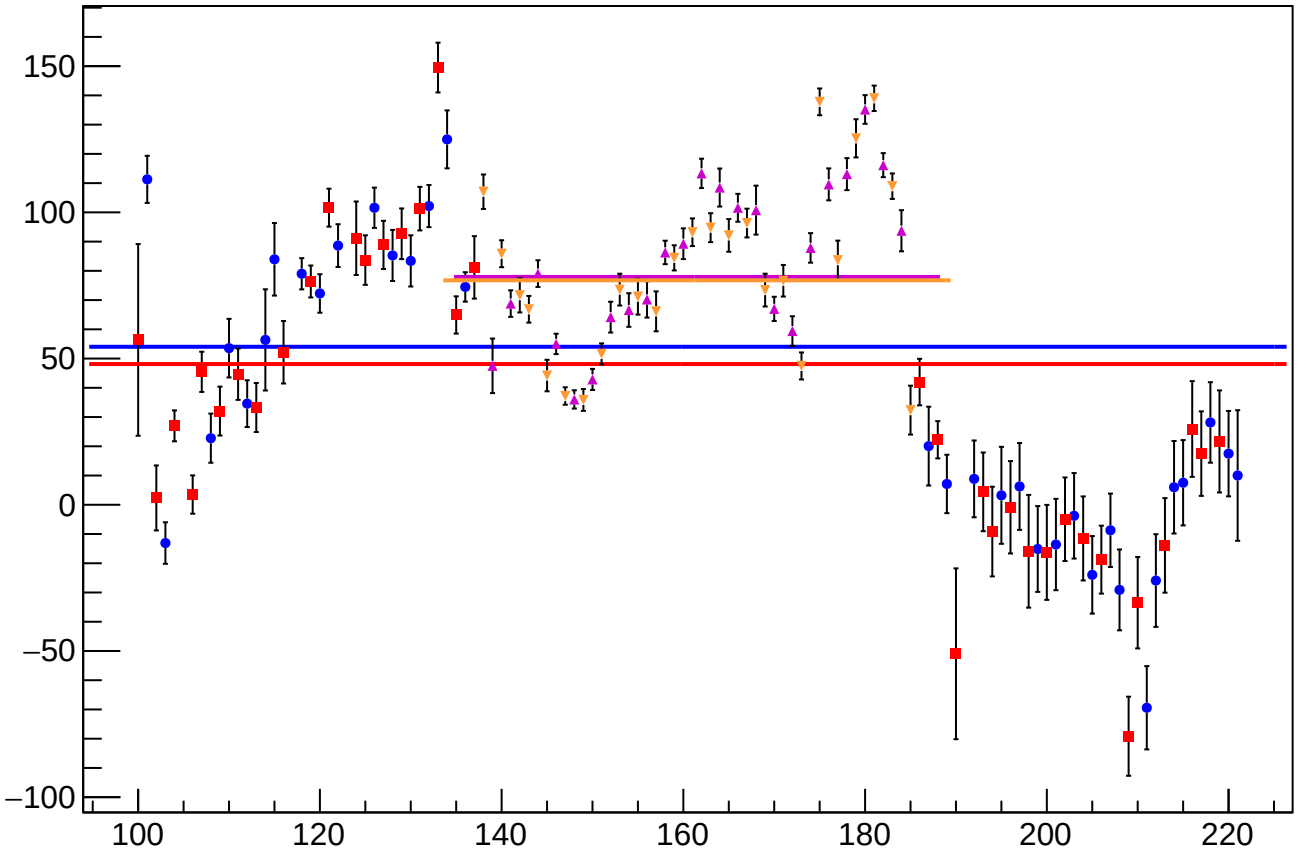
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 383.628+/-0.841 χ^2/NDF: 15044.6/69

In: 344.843+/-0.854 χ^2/NDF:9202.3/56

Out: 349.980+/-0.800 χ^2/NDF:14939.2/60

All: 347.581+/-0.584 χ^2/NDF: 24160.7/117



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: 48.122+/-1.553 χ^2/NDF: 763.8/35

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

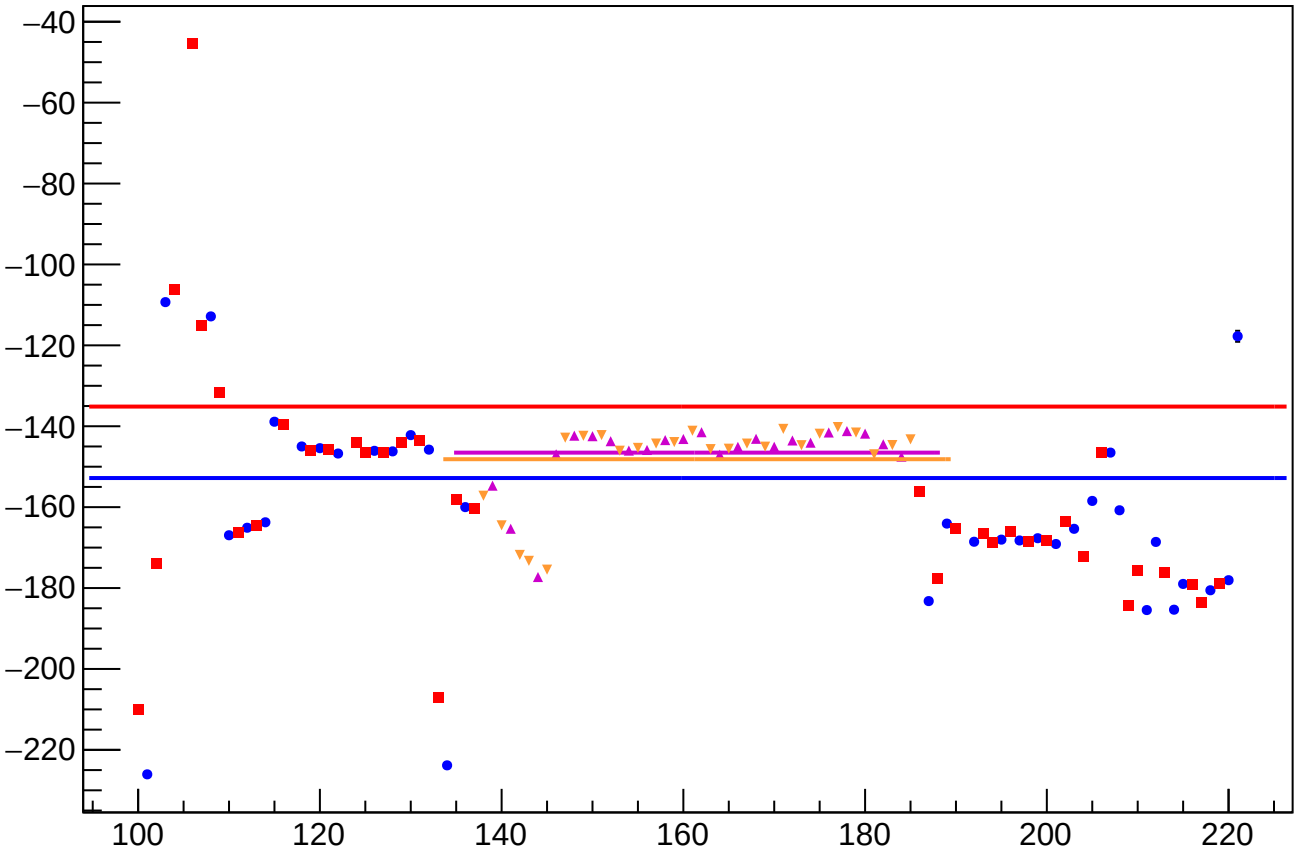
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 50.899+/-1.131 χ^2/NDF: 1518.2/69

In: 71.530+/-0.853 χ^2/NDF:1685.1/56

Out: 68.761+/-0.821 χ^2/NDF:2044.3/60

All: 70.092+/-0.591 χ^2/NDF: 3734.8/117



Right In: -152.803+/-0.080 χ^2/NDF: 155160.8/33

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -135.137+/-0.074 χ^2/NDF: 368336.7/35

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

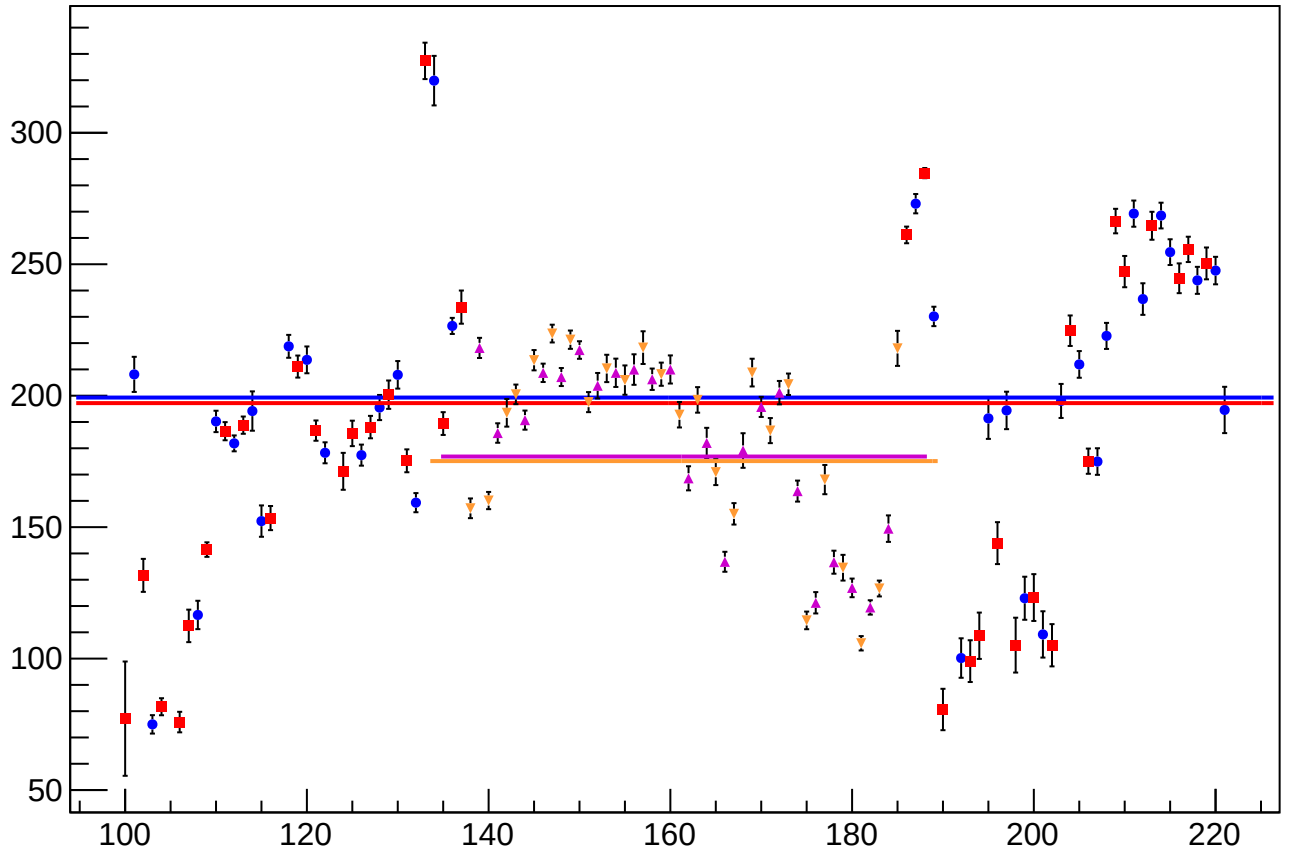
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

Right: -143.293+/-0.054 χ^2/NDF: 550039.7/69

In: -148.073+/-0.040 χ^2/NDF:189026.1/56

Out: -144.603+/-0.038 χ^2/NDF:439936.7/60

All: -146.290+/-0.028 χ^2/NDF: 632921.2/117



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: 197.179+/-0.757 χ^2/NDF: 7572.3/35

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

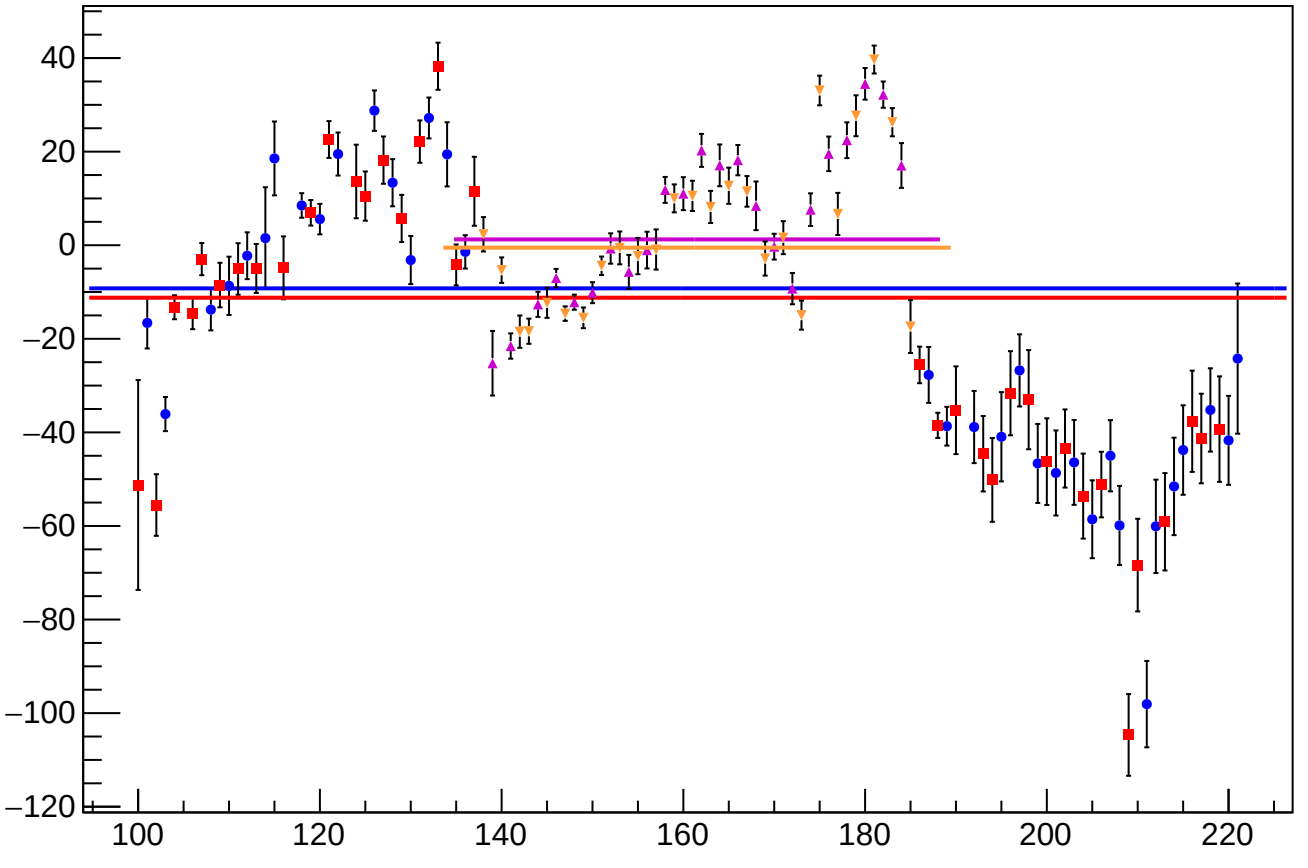
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 198.140+/-0.559 χ^2/NDF: 11241.4/69

In: 188.315+/-0.593 χ^2/NDF:5779.7/56

Out: 187.066+/-0.557 χ^2/NDF:10257.2/60

All: 187.651+/-0.406 χ^2/NDF: 16039.3/117



Right In: -9.221+/-0.952 χ^2/NDF: 776.9/33

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -11.216+/-0.858 χ^2/NDF: 856.0/35

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

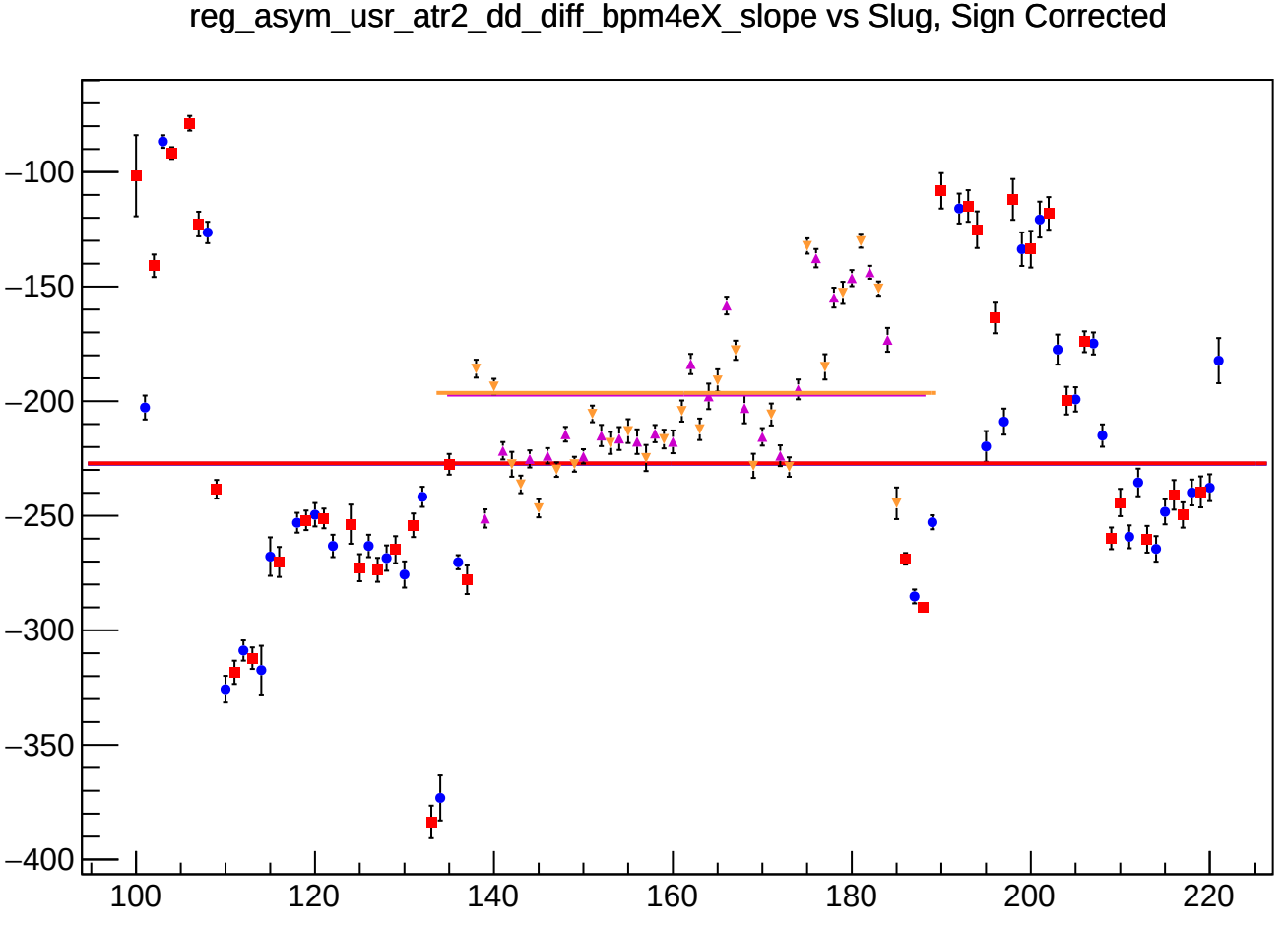
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -10.322+/-0.637 χ^2/NDF: 1635.3/69

In: -1.913+/-0.523 χ^2/NDF:1481.9/56

Out: -4.041+/-0.492 χ^2/NDF:1684.7/60

All: -3.041+/-0.358 χ^2/NDF: 3175.4/117



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: -227.129+/-0.746 χ^2/NDF: 10677.0/35

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

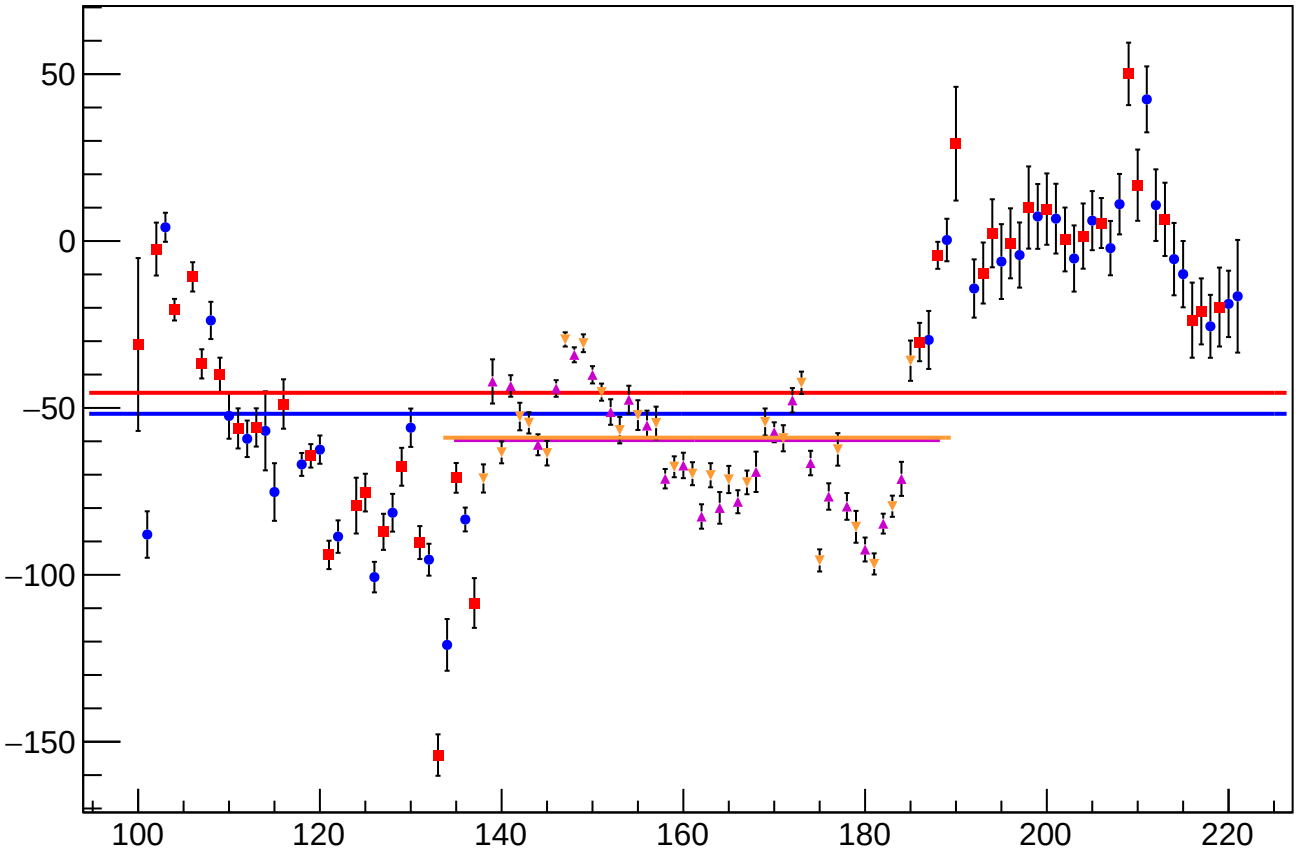
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -227.204+/-0.559 χ^2/NDF: 16648.0/69

In: -212.066+/-0.595 χ^2/NDF:8216.1/56

Out: -213.127+/-0.550 χ^2/NDF:13448.5/60

All: -212.638+/-0.404 χ^2/NDF: 21666.4/117



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: -45.469+/-1.028 χ^2/NDF: 1433.8/35

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

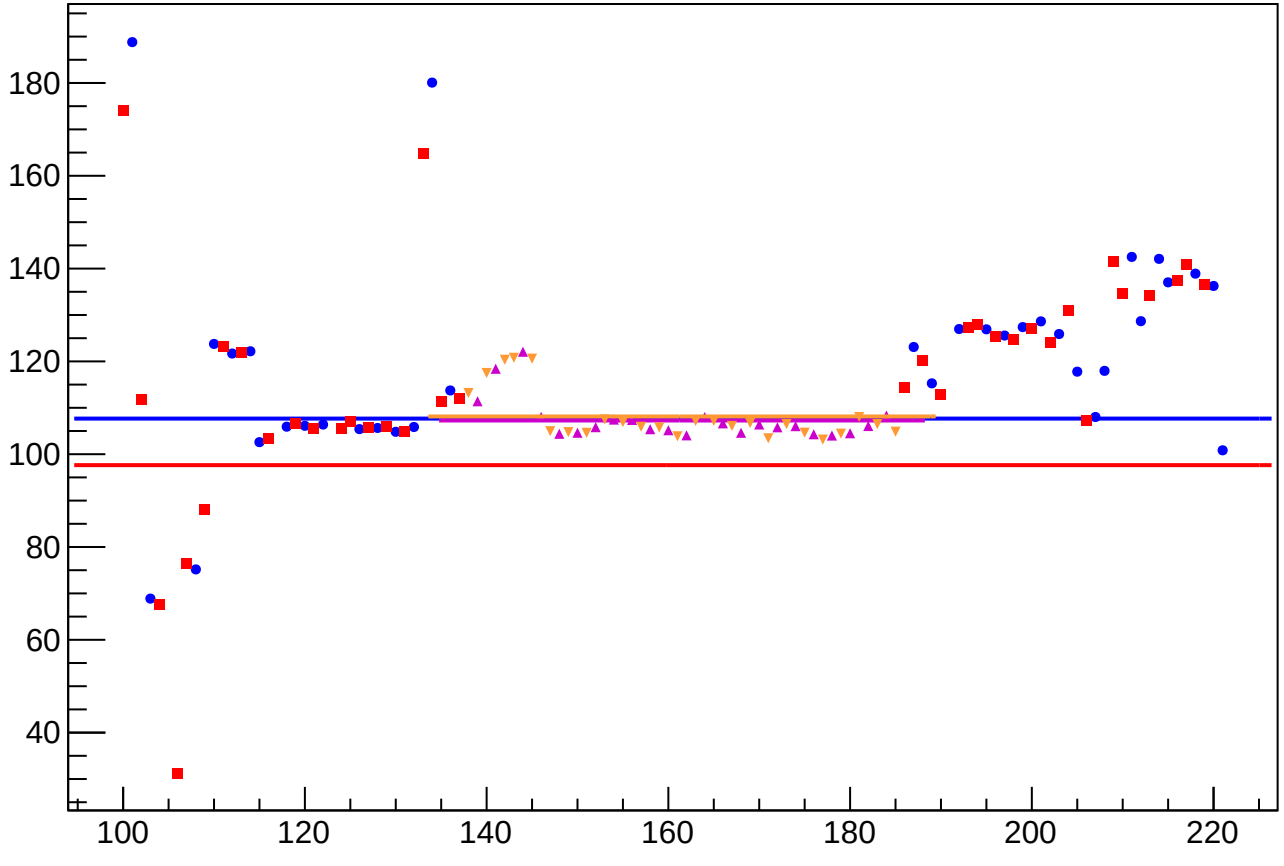
Right: -48.374+/-0.753 χ^2/NDF: 2679.8/69

In: -57.306+/-0.603 χ^2/NDF:1861.3/56

Out: -54.692+/-0.576 χ^2/NDF:2333.7/60

All: -55.939+/-0.416 χ^2/NDF: 4204.9/117

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: 97.642+/-0.050 χ^2/NDF: 421403.7/35

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

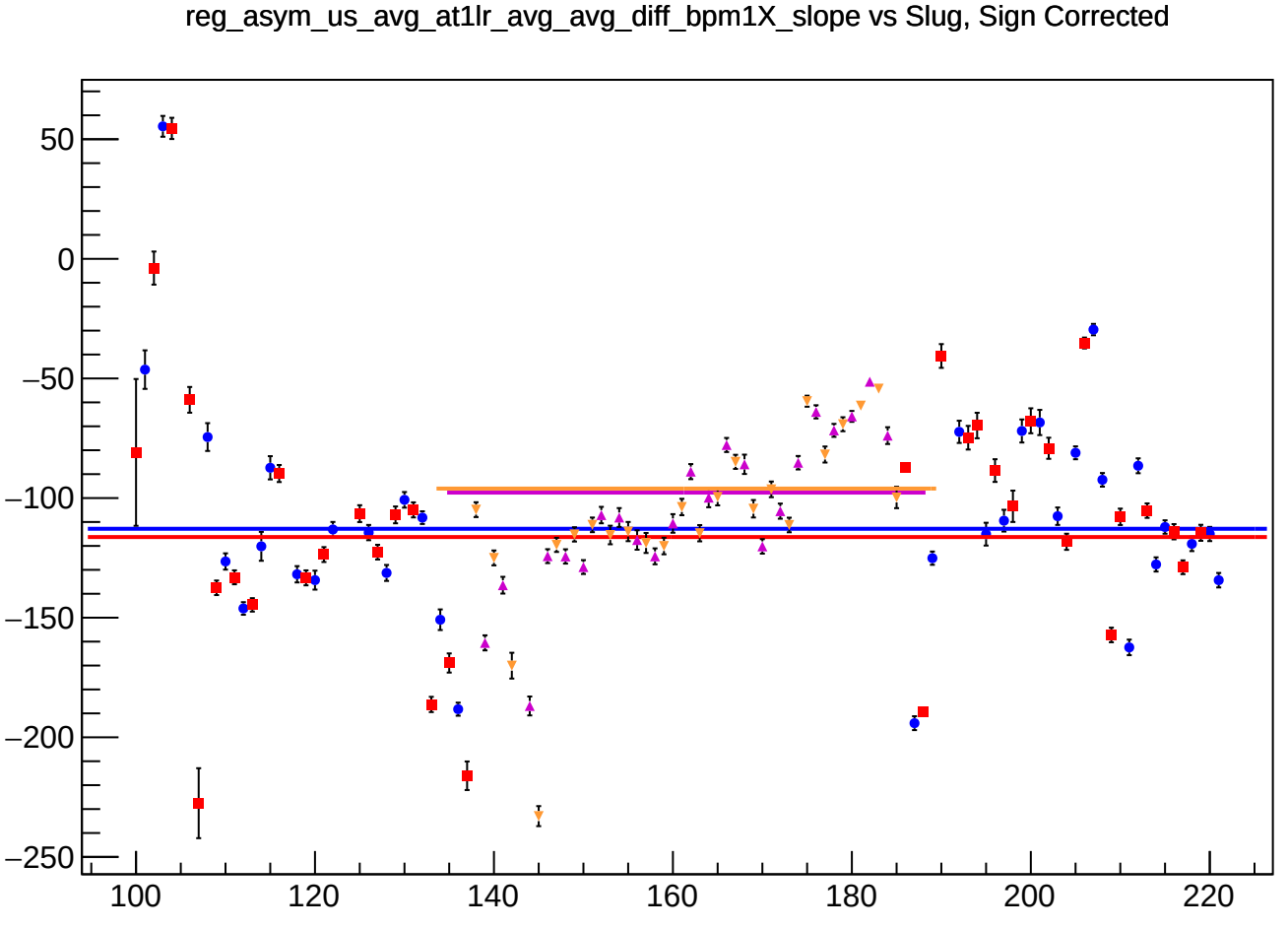
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 102.320+/-0.036 χ^2/NDF: 734828.8/69

In: 107.379+/-0.028 χ^2/NDF:311358.5/56

Out: 105.000+/-0.027 χ^2/NDF:479065.7/60

All: 106.157+/-0.019 χ^2/NDF: 794147.9/117



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: -116.291+/-0.558 χ^2/NDF: 7536.1/34

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

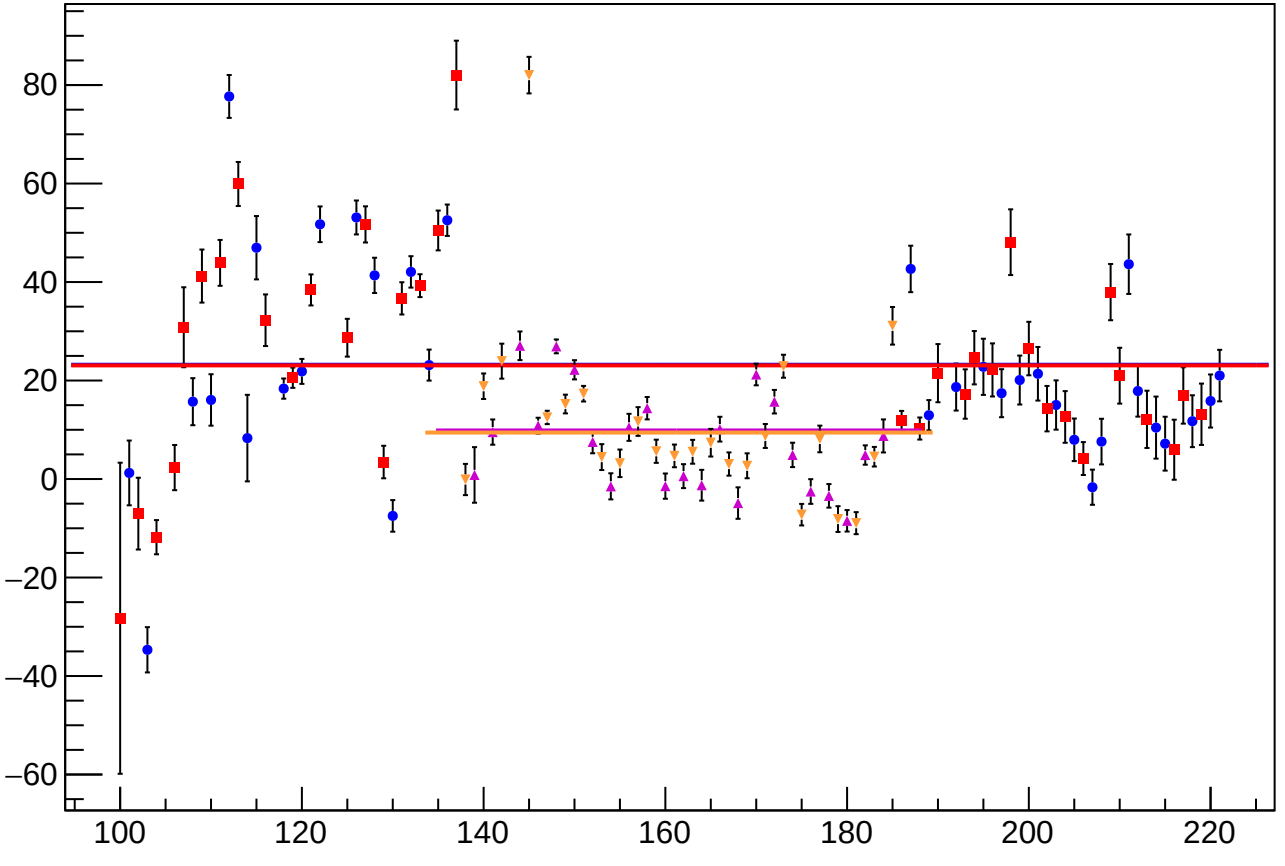
Right: -114.619+/-0.401 χ^2/NDF: 13145.5/68

In: -106.047+/-0.428 χ^2/NDF:8540.7/56

Out: -107.459+/-0.419 χ^2/NDF:10881.9/58

All: -106.768+/-0.299 χ^2/NDF: 19428.2/115

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: 23.075+/-0.667 χ^2/NDF: 691.7/34

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

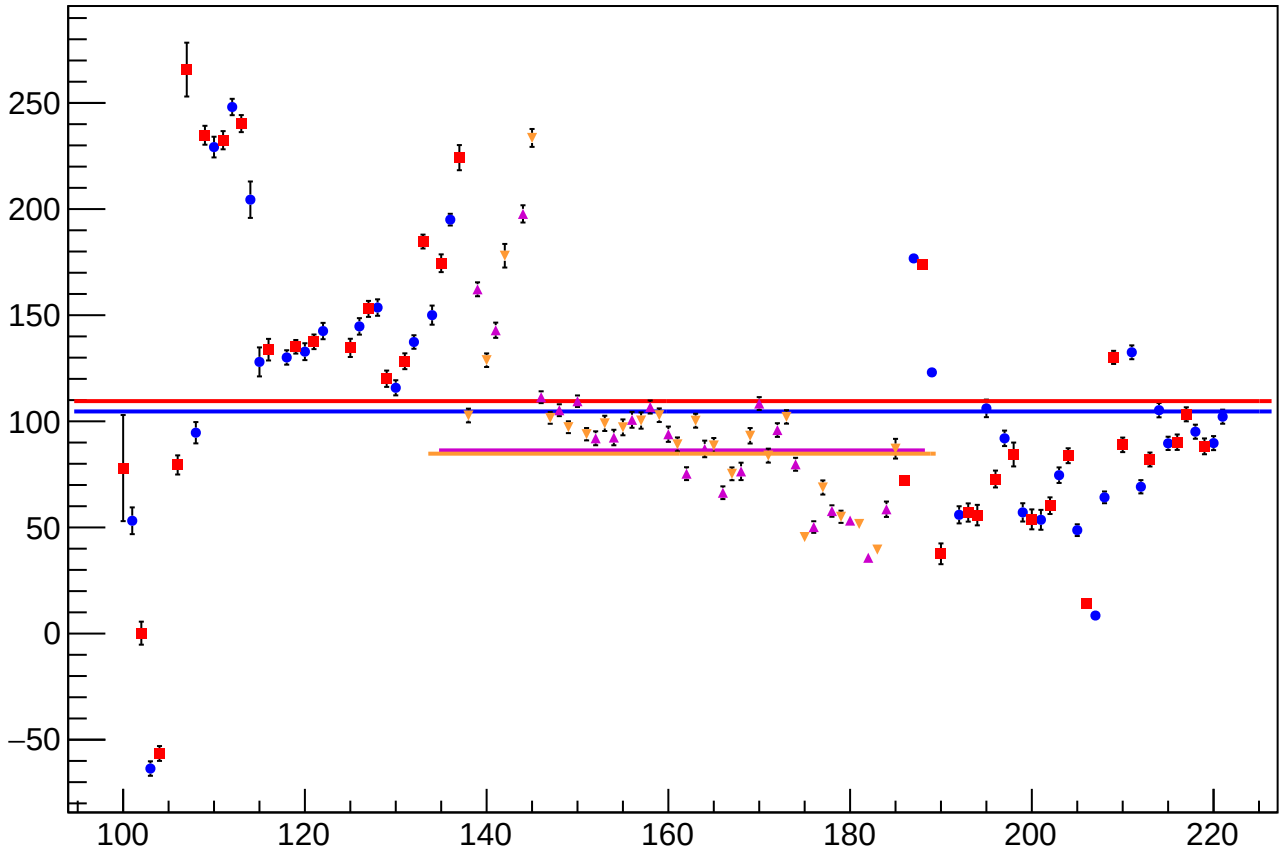
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.137+/-0.482 χ^2/NDF: 1556.9/68

In: 14.235+/-0.399 χ^2/NDF:1596.8/56

Out: 14.062+/-0.389 χ^2/NDF:1704.0/58

All: 14.146+/-0.278 χ^2/NDF: 3300.9/115



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: 109.523+/-0.549 χ^2/NDF: 13326.3/34

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

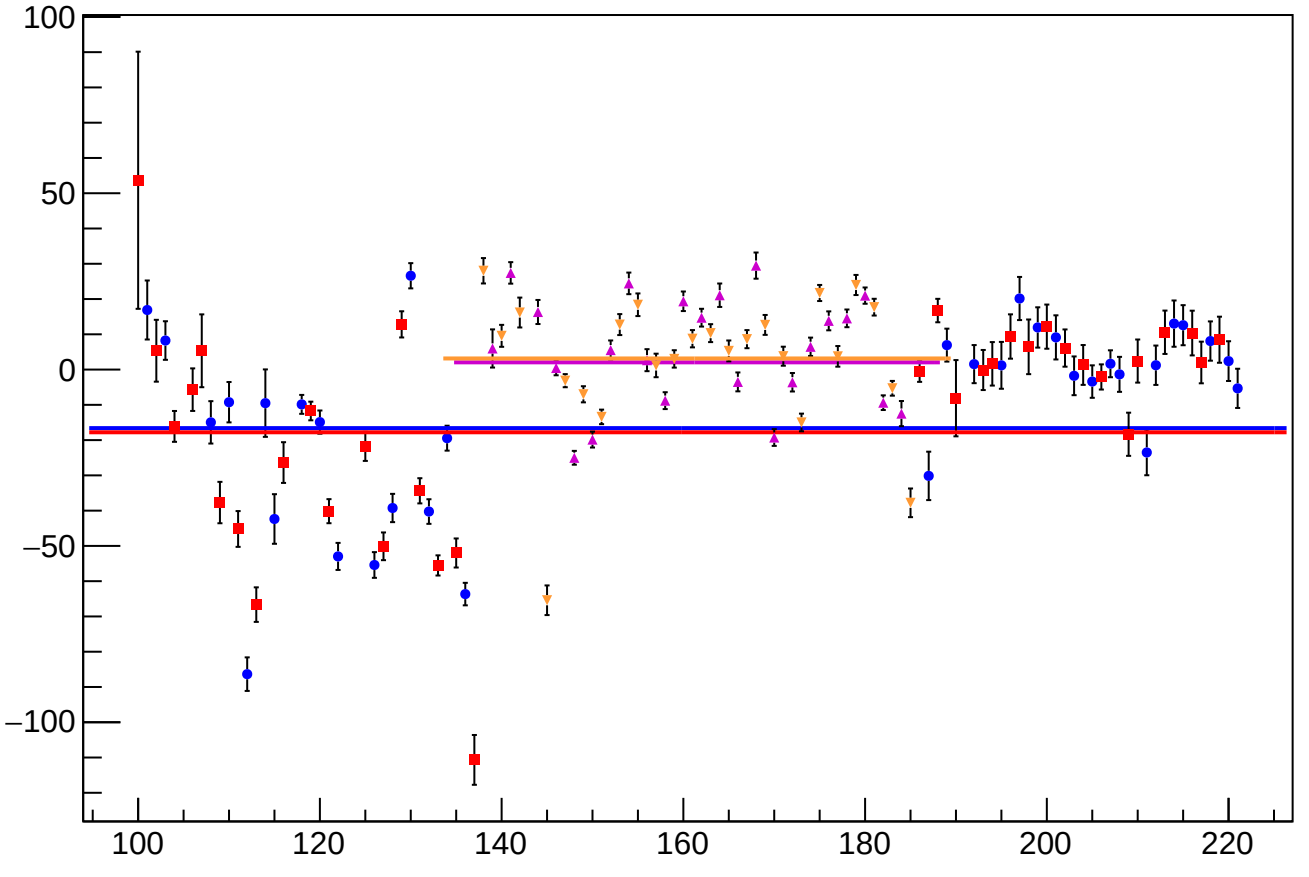
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 107.274+/-0.403 χ^2/NDF: 23937.4/68

In: 96.057+/-0.432 χ^2/NDF:14176.0/56

Out: 98.819+/-0.414 χ^2/NDF:17316.4/58

All: 97.499+/-0.299 χ^2/NDF: 31513.7/115



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: -17.782+/-0.794 χ^2/NDF: 1128.5/34

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

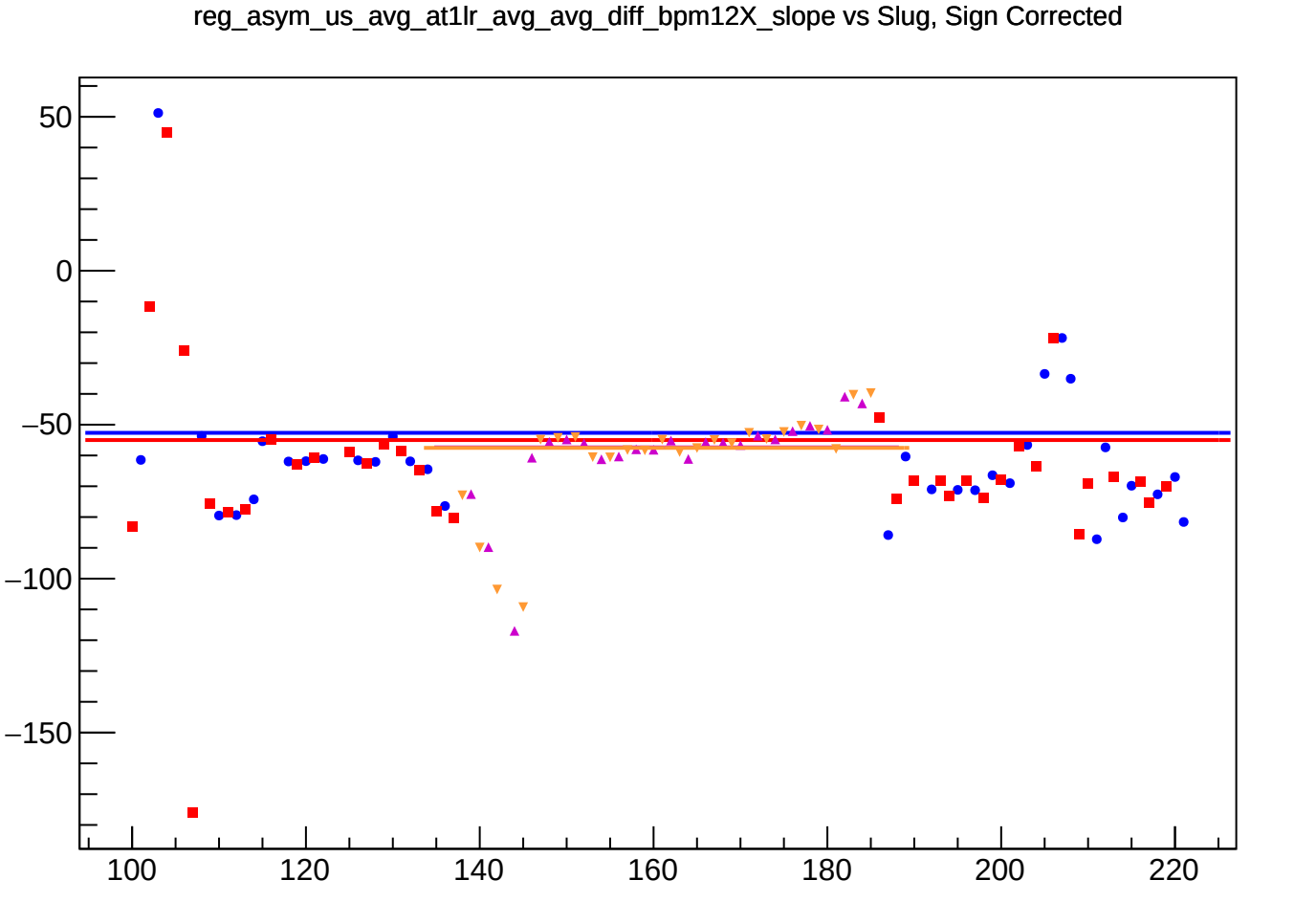
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -17.196+/-0.564 χ^2/NDF: 2315.8/68

In: -3.944+/-0.454 χ^2/NDF:2405.2/56

Out: -3.532+/-0.449 χ^2/NDF:2415.5/58

All: -3.735+/-0.319 χ^2/NDF: 4821.2/115



Right In: -52.650+/-0.039 χ^2/NDF: 743115.6/33

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.993+/-0.040 χ^2/NDF: 643350.9/34

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

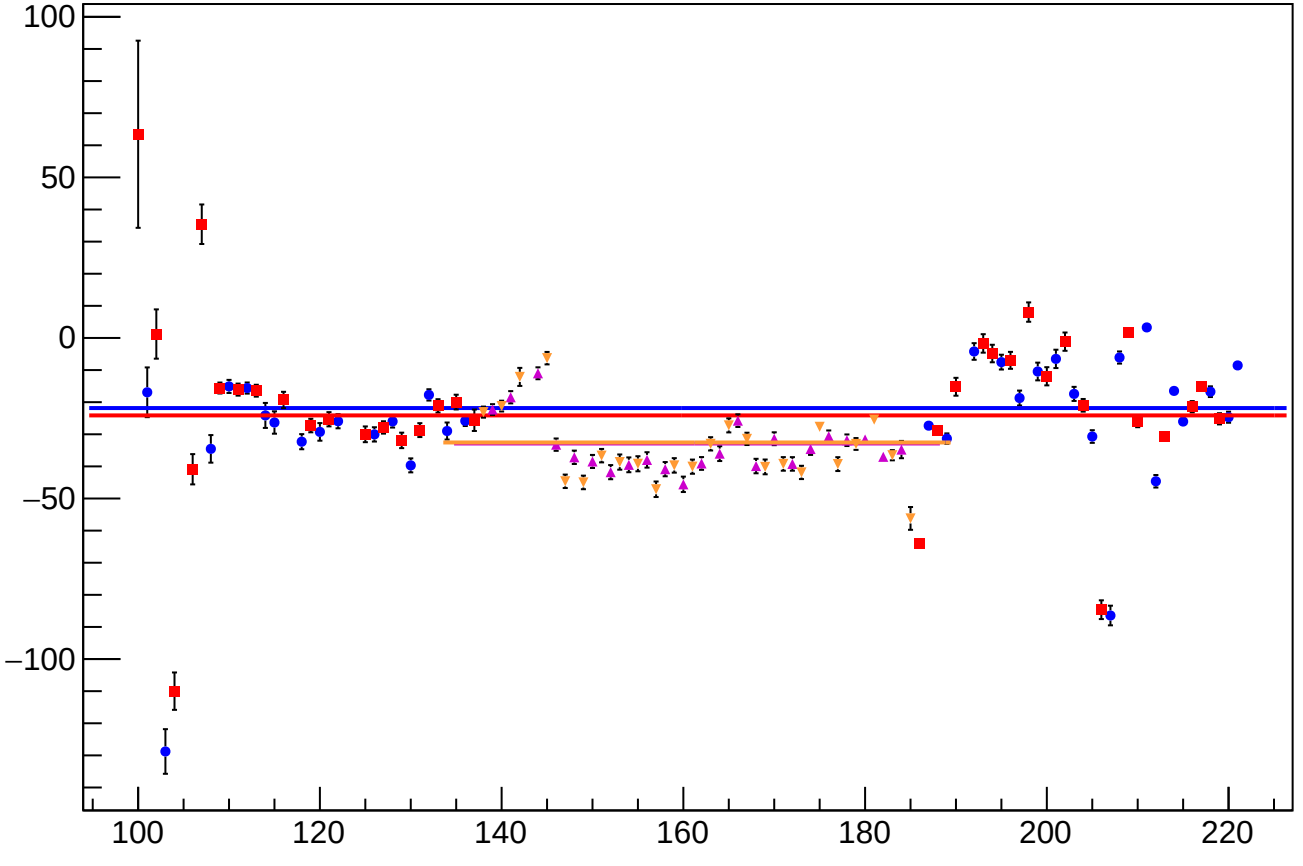
Right: -53.801+/-0.028 χ^2/NDF: 1388241.0/68

In: -56.019+/-0.021 χ^2/NDF:980724.2/56

Out: -56.820+/-0.021 χ^2/NDF:913328.1/58

All: -56.418+/-0.015 χ^2/NDF: 1894783.0/115

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: -24.122+/-0.345 χ^2/NDF: 2422.2/34

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

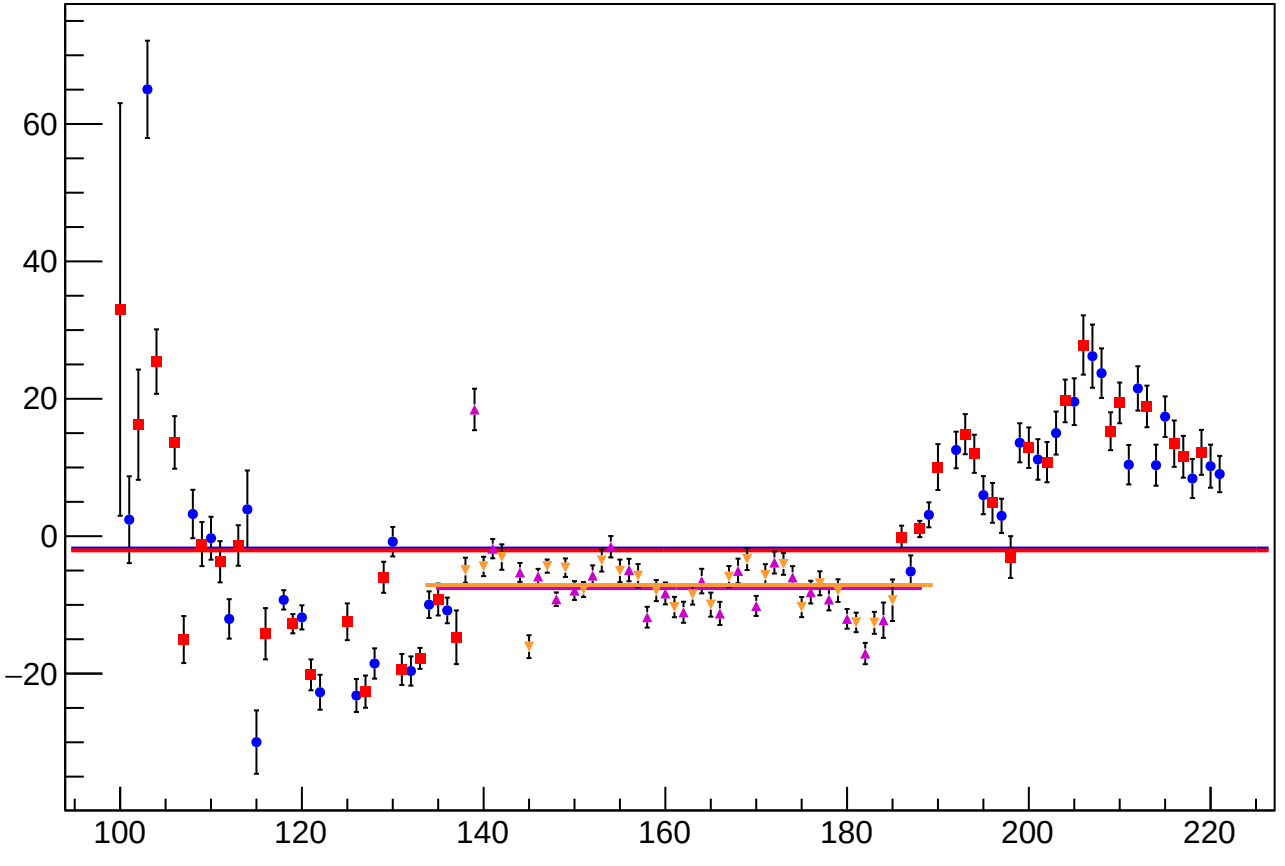
Right: -22.995+/-0.246 χ^2/NDF: 4082.7/68

In: -26.477+/-0.267 χ^2/NDF:2428.9/56

Out: -27.652+/-0.263 χ^2/NDF:3275.4/58

All: -27.073+/-0.187 χ^2/NDF: 5714.1/115

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: -2.062+/-0.432 χ^2/NDF: 914.8/34

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

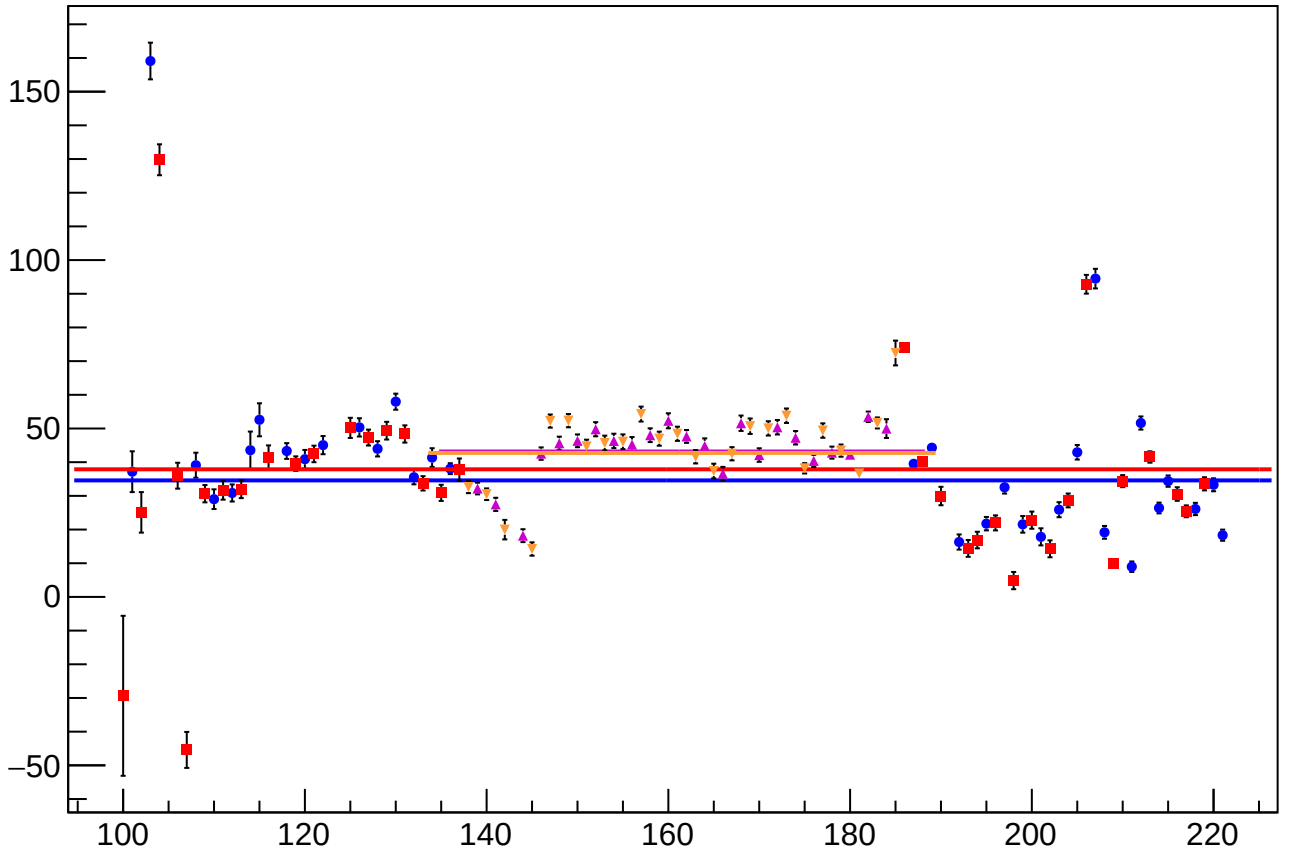
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -1.935+/-0.310 χ^2/NDF: 1861.3/68

In: -5.626+/-0.257 χ^2/NDF:1257.2/56

Out: -5.402+/-0.252 χ^2/NDF:1114.5/58

All: -5.512+/-0.180 χ^2/NDF: 2372.0/115



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: 37.885+/-0.343 χ^2/NDF: 3149.7/34

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

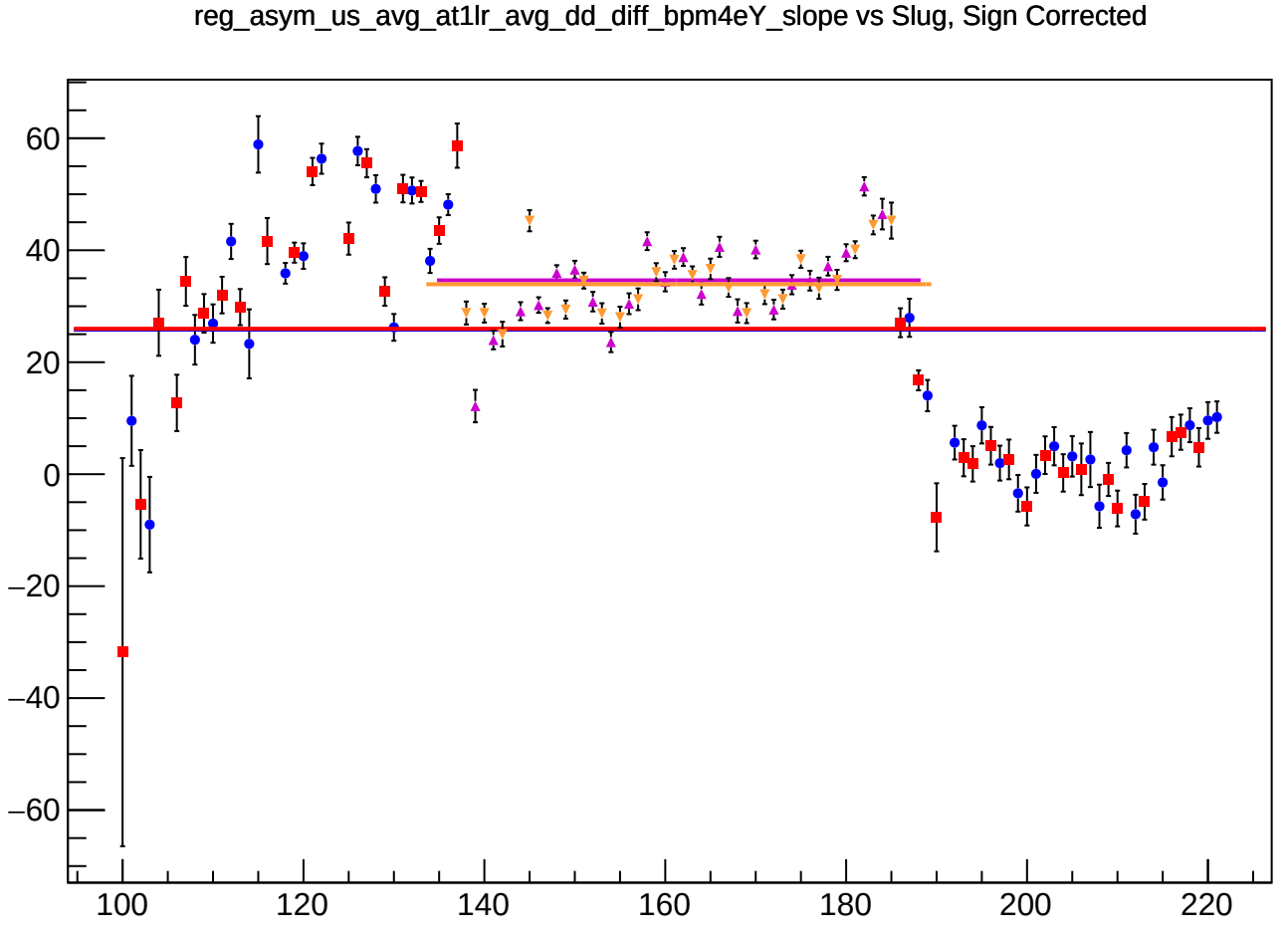
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 36.325+/-0.249 χ^2/NDF: 5193.9/68

In: 38.368+/-0.270 χ^2/NDF:2661.8/56

Out: 39.923+/-0.261 χ^2/NDF:3865.5/58

All: 39.172+/-0.188 χ^2/NDF: 6544.5/115



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: 25.978+/-0.512 χ^2/NDF: 1658.3/34

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

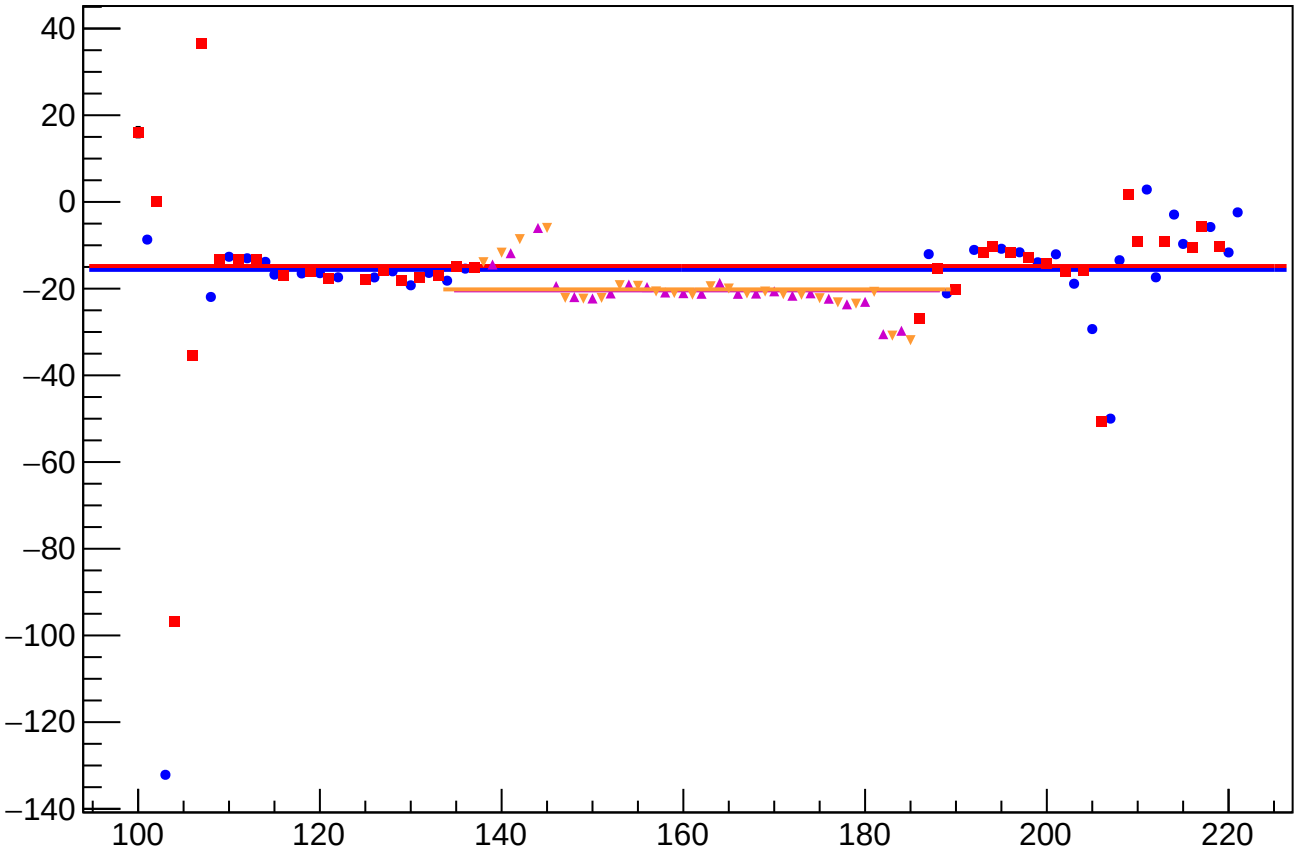
Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

Right: 25.894+/-0.361 χ^2/NDF: 3295.8/68

In: 31.734+/-0.292 χ^2/NDF:2214.1/56

Out: 31.390+/-0.289 χ^2/NDF:2039.0/58

All: 31.561+/-0.206 χ^2/NDF: 4253.8/115



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: -14.783+/-0.025 χ^2/NDF: 279239.2/34

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

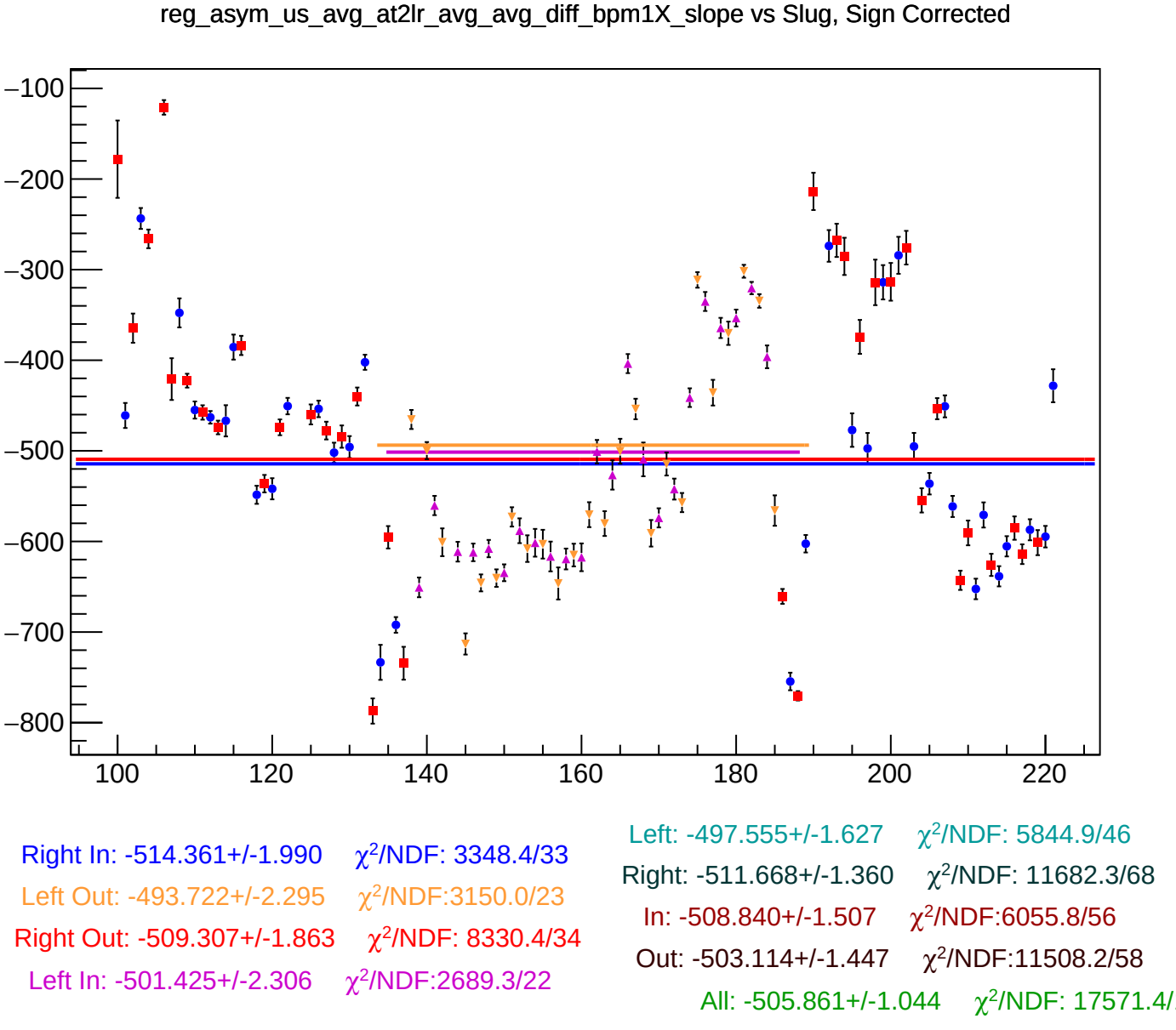
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.228+/-0.018 χ^2/NDF: 622573.9/68

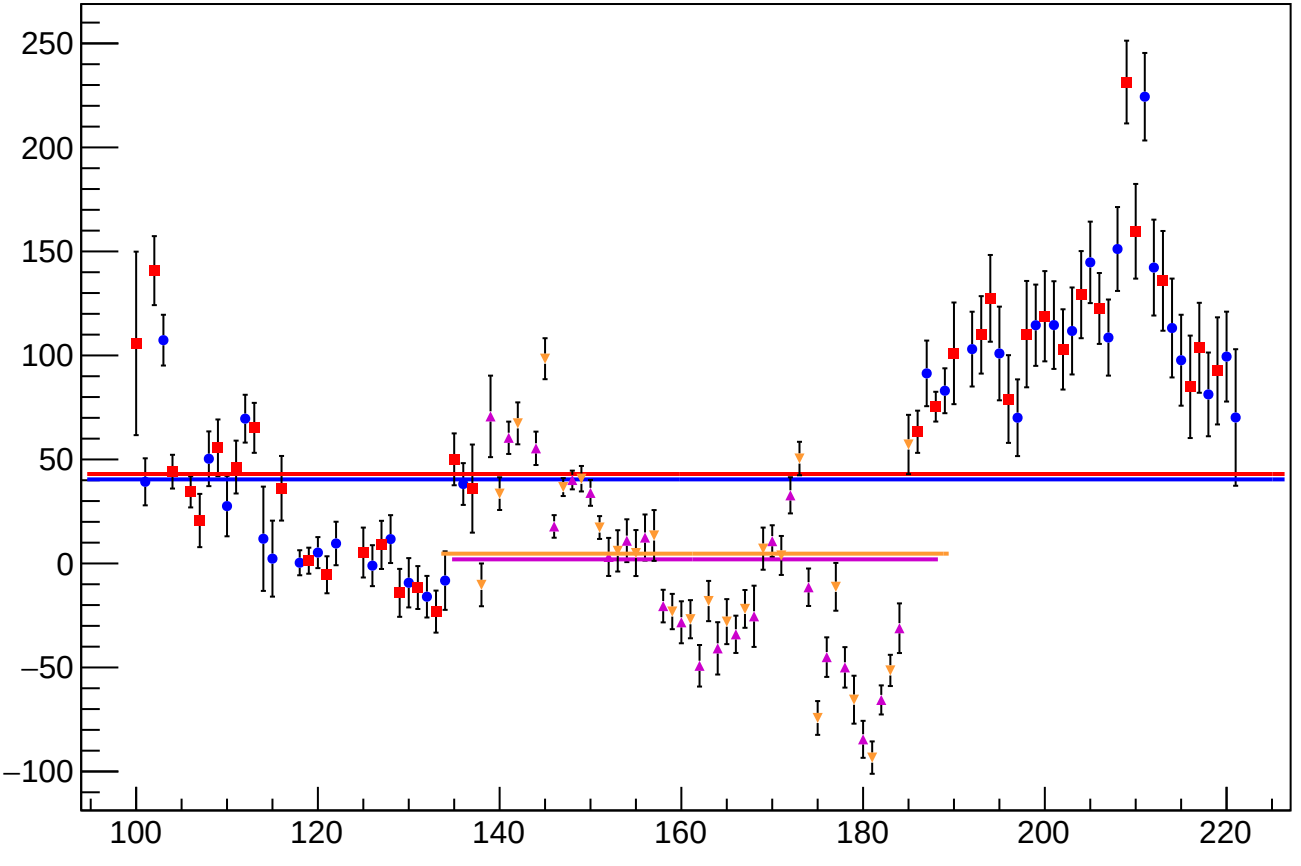
In: -19.054+/-0.013 χ^2/NDF:449339.9/56

Out: -18.654+/-0.013 χ^2/NDF:412134.2/58

All: -18.854+/-0.009 χ^2/NDF: 861923.6/115


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
120
140
160
180
200
220
Right In: -514.361+/-1.990 χ²/NDF: 3348.4/33
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -509.307+/-1.863 χ²/NDF: 8330.4/34
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -511.668+/-1.360 χ²/NDF: 11682.3/68
In: -508.840+/-1.507 χ²/NDF:6055.8/56
Out: -503.114+/-1.447 χ²/NDF:11508.2/58
All: -505.861+/-1.044 χ²/NDF: 17571.4/115

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: 43.001+/-2.152 χ^2/NDF: 509.5/34

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

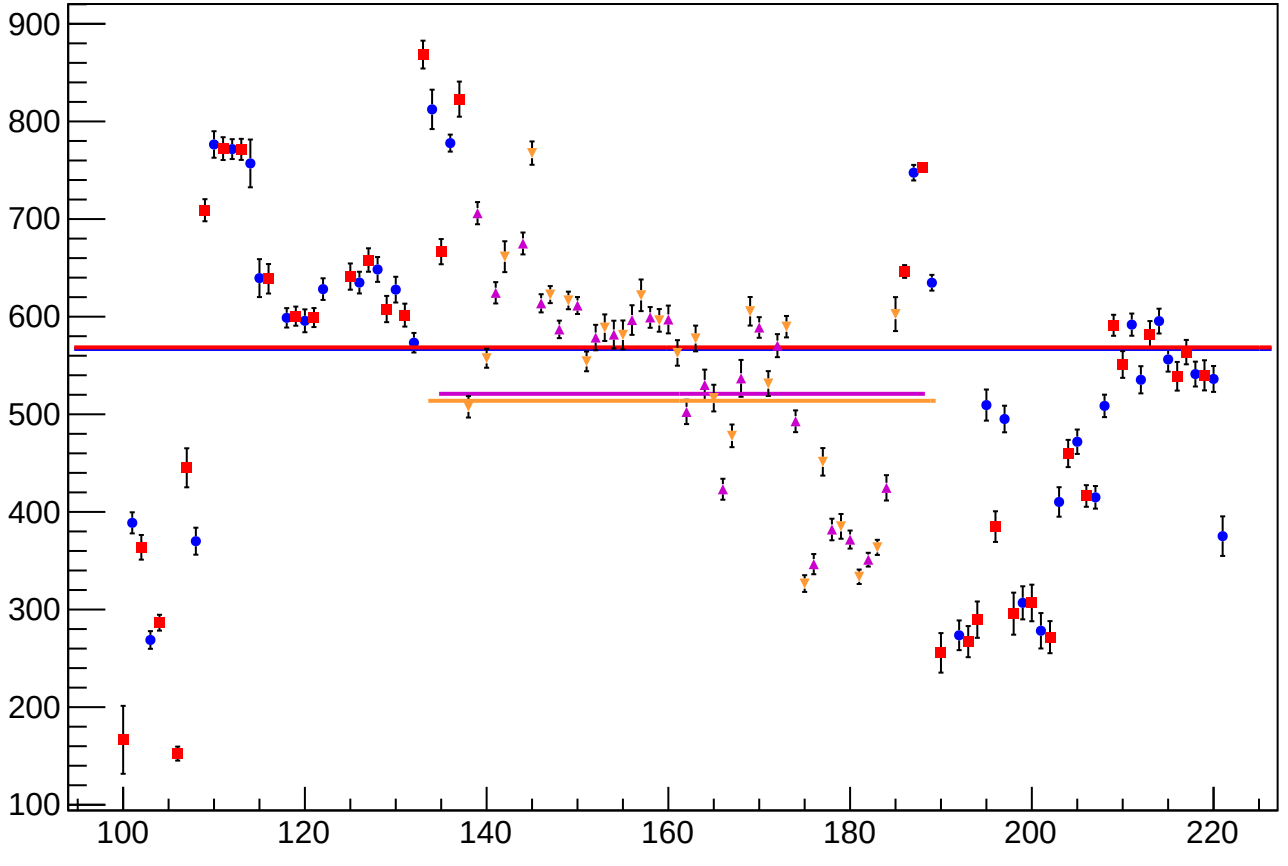
Right: 41.786+/-1.567 χ^2/NDF: 998.0/68

In: 15.885+/-1.375 χ^2/NDF:1228.9/56

Out: 19.375+/-1.332 χ^2/NDF:1385.2/58

All: 17.686+/-0.957 χ^2/NDF: 2617.4/115

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: 568.544+/-1.876 χ^2/NDF: 10681.7/34

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

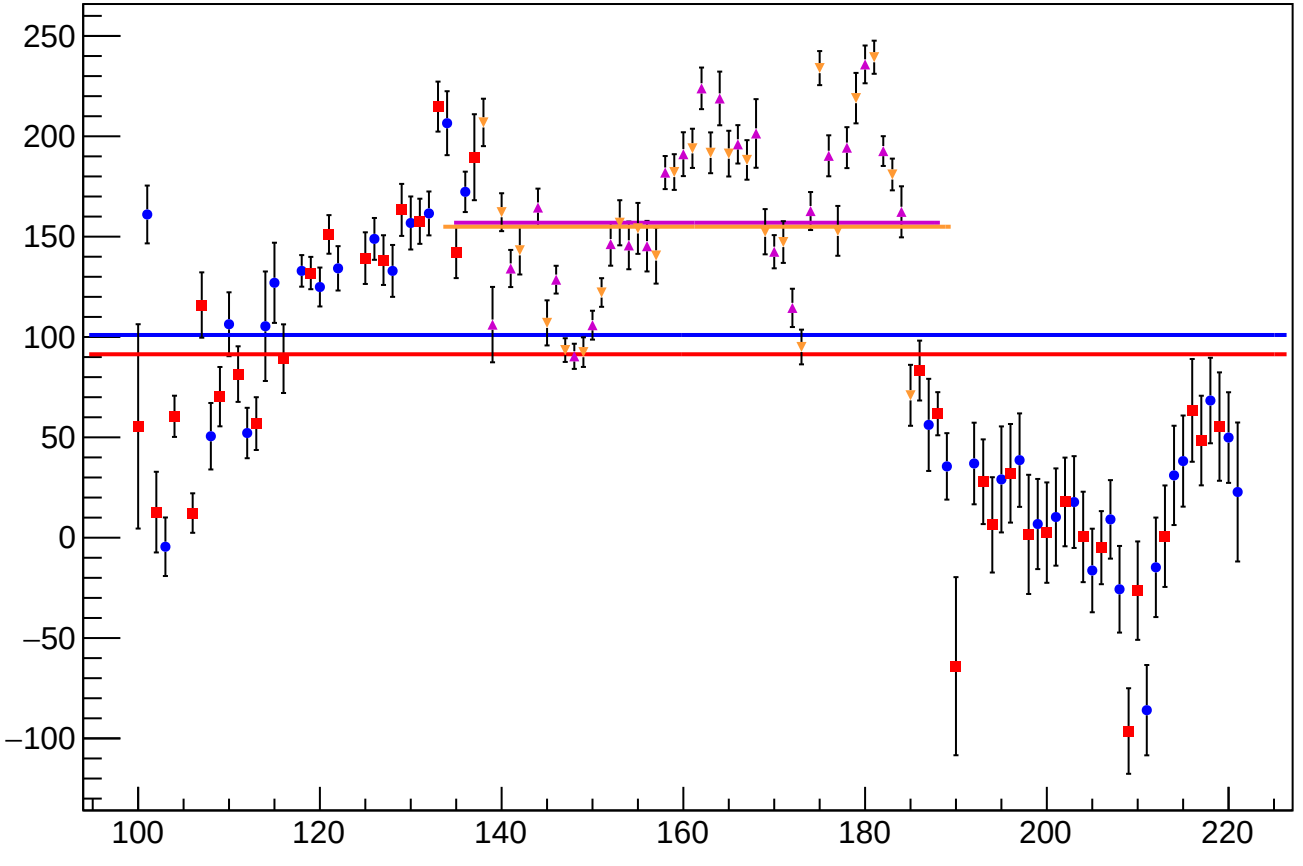
Right: 567.821+/-1.390 χ^2/NDF: 15799.7/68

In: 546.209+/-1.534 χ^2/NDF:7782.8/56

Out: 546.423+/-1.448 χ^2/NDF:13761.1/58

All: 546.322+/-1.053 χ^2/NDF: 21543.9/115

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: 91.396+/-2.562 χ^2/NDF: 639.1/34

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

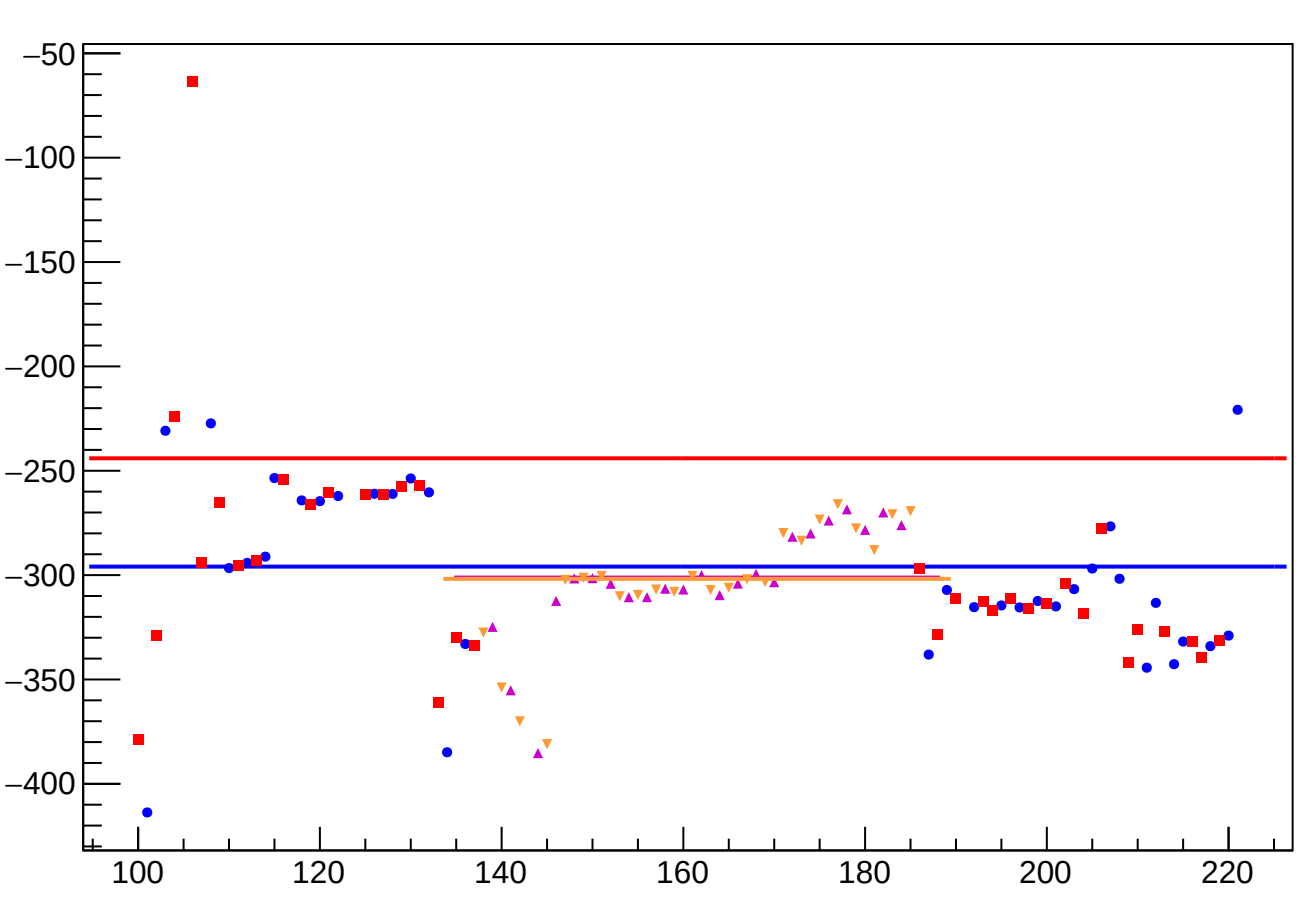
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 96.023+/-1.845 χ^2/NDF: 1239.3/68

In: 137.098+/-1.583 χ^2/NDF:1322.2/56

Out: 131.588+/-1.553 χ^2/NDF:1637.2/58

All: 134.290+/-1.109 χ^2/NDF: 2965.5/115



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: -244.032+/-0.121 χ^2/NDF: 715929.5/34

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

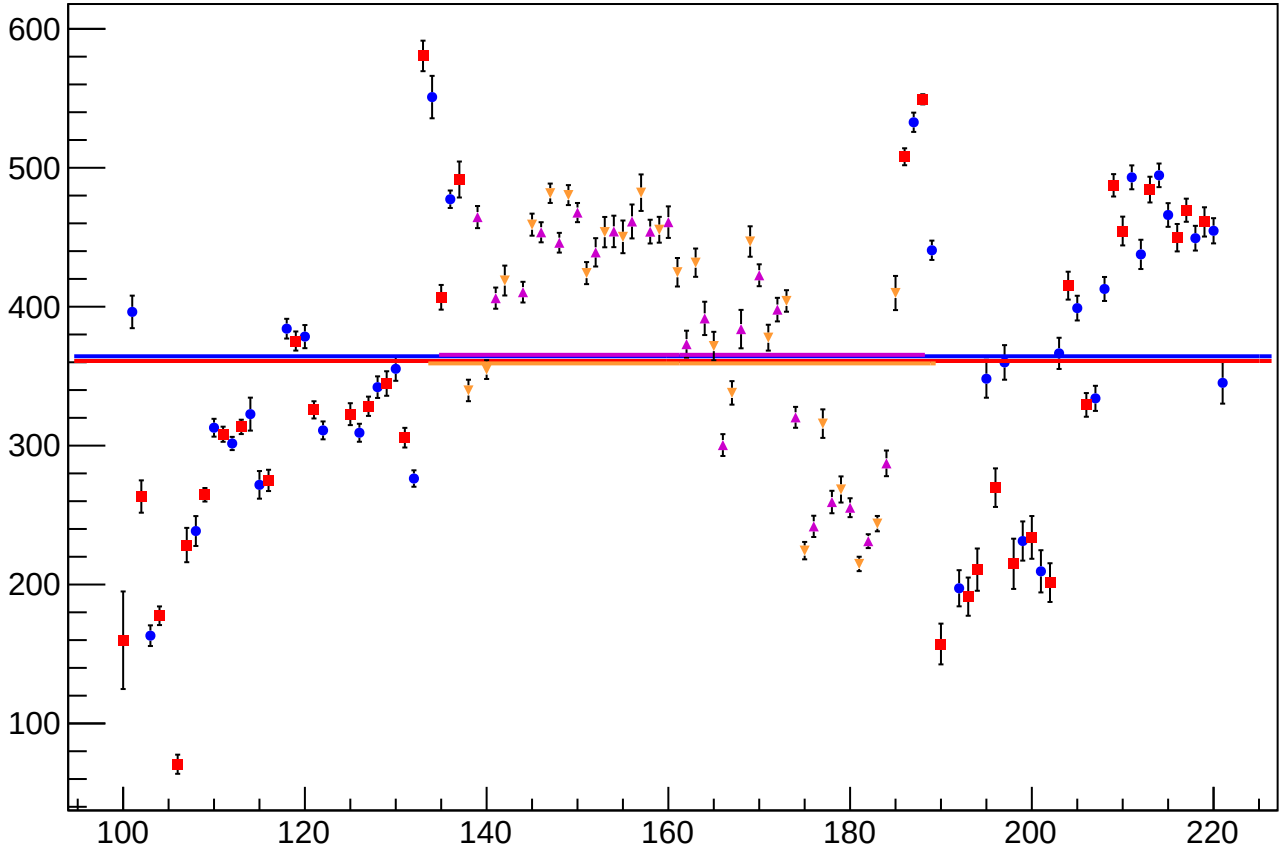
Right: -266.953+/-0.090 χ^2/NDF: 918550.0/68

In: -299.575+/-0.075 χ^2/NDF:197653.3/56

Out: -280.967+/-0.073 χ^2/NDF:948509.4/58

All: -289.962+/-0.052 χ^2/NDF: 1177913.6/11

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 360.919+/-1.336 χ^2/NDF: 8995.3/34

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

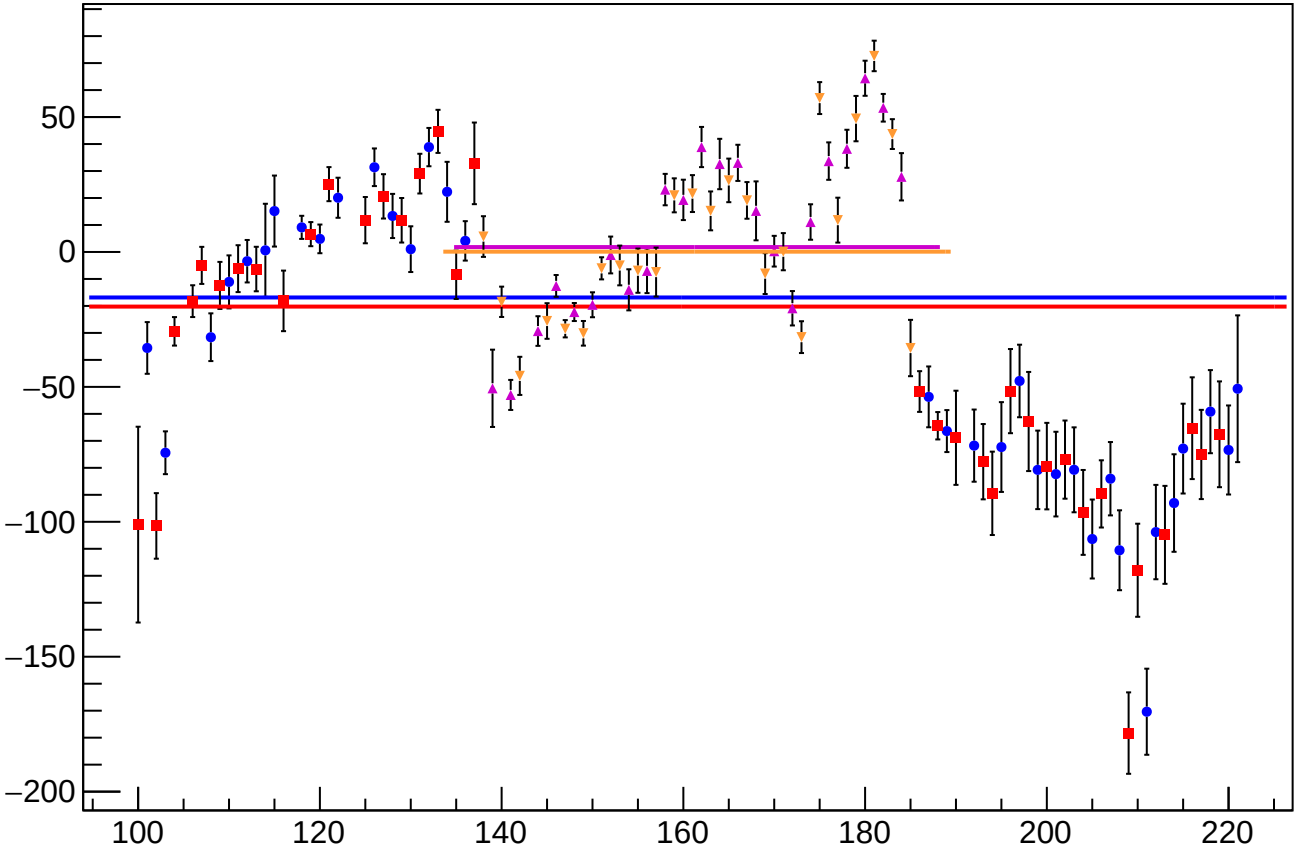
Right: 362.489+/-0.979 χ^2/NDF: 13033.6/68

In: 364.747+/-1.095 χ^2/NDF:6775.0/56

Out: 360.249+/-1.046 χ^2/NDF:12183.9/58

All: 362.395+/-0.757 χ^2/NDF: 18967.7/115

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: -20.243+/-1.531 χ^2/NDF: 747.6/34

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

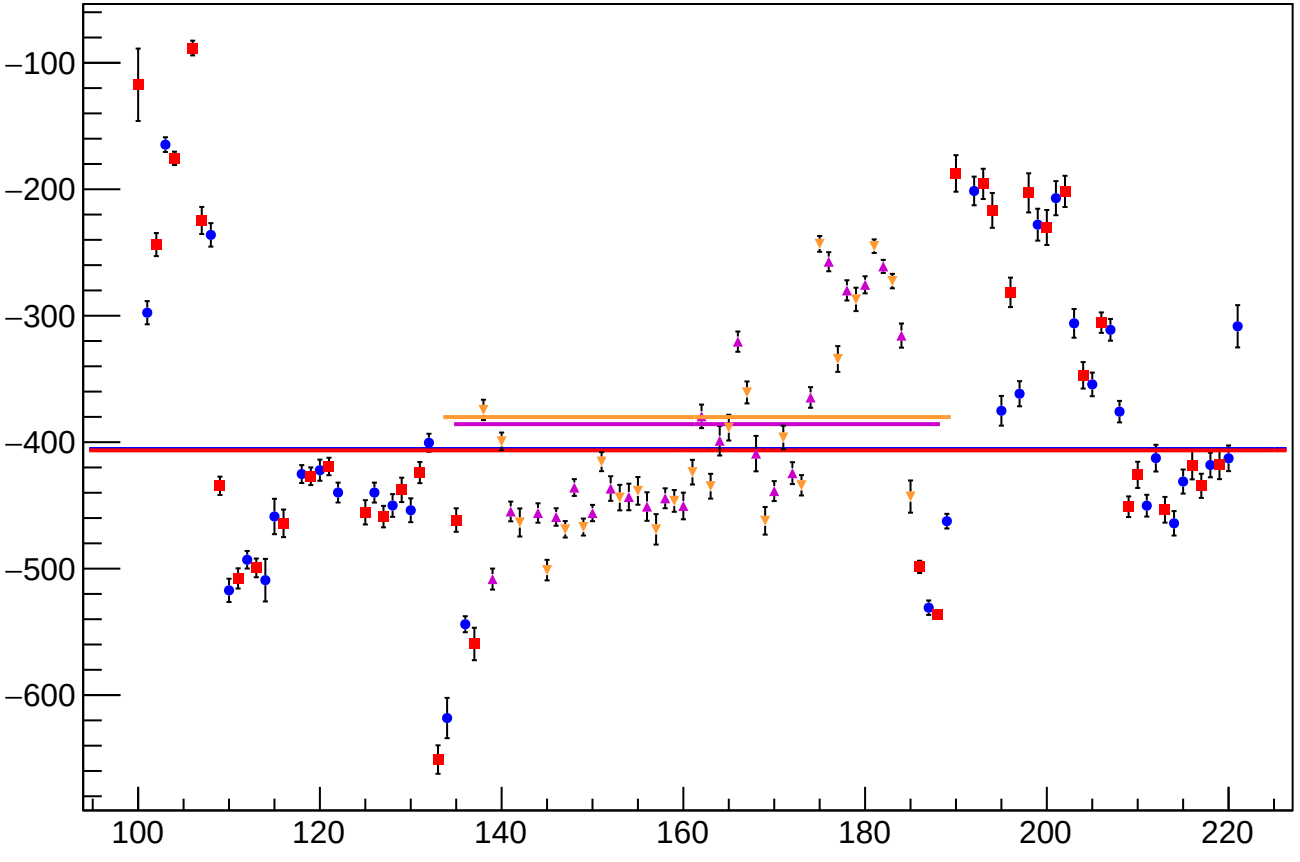
Right: -18.675+/-1.121 χ^2/NDF: 1452.5/68

In: -5.134+/-1.004 χ^2/NDF:1360.5/56

Out: -8.005+/-0.967 χ^2/NDF:1491.8/58

All: -6.624+/-0.696 χ^2/NDF: 2856.5/115

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: -406.453+/-1.350 χ^2/NDF: 10725.7/34

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

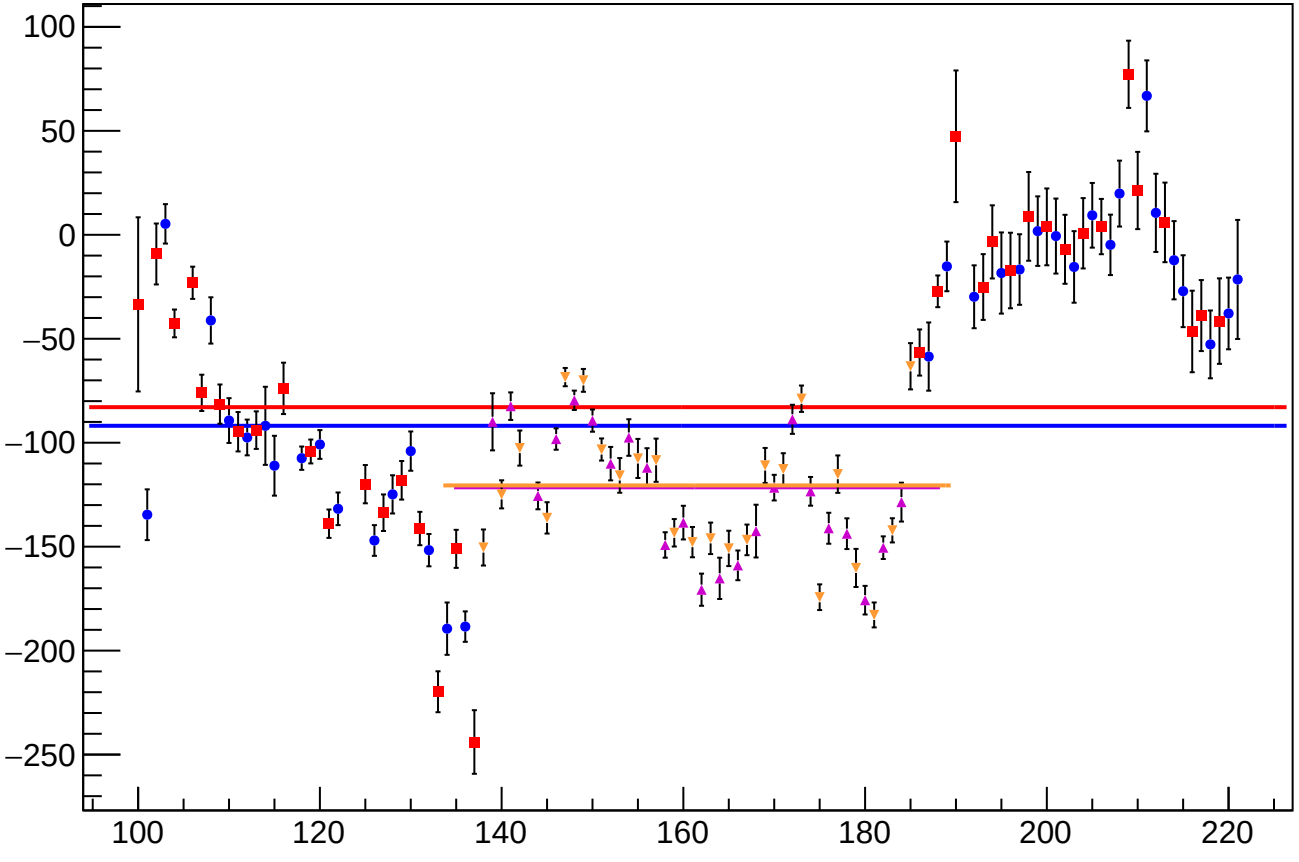
Right: -405.989+/-1.003 χ^2/NDF: 15700.7/68

In: -396.665+/-1.118 χ^2/NDF:7412.6/56

Out: -396.050+/-1.050 χ^2/NDF:13494.4/58

All: -396.339+/-0.765 χ^2/NDF: 20907.2/115

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: -82.907+/-1.822 χ^2/NDF: 1101.1/34

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

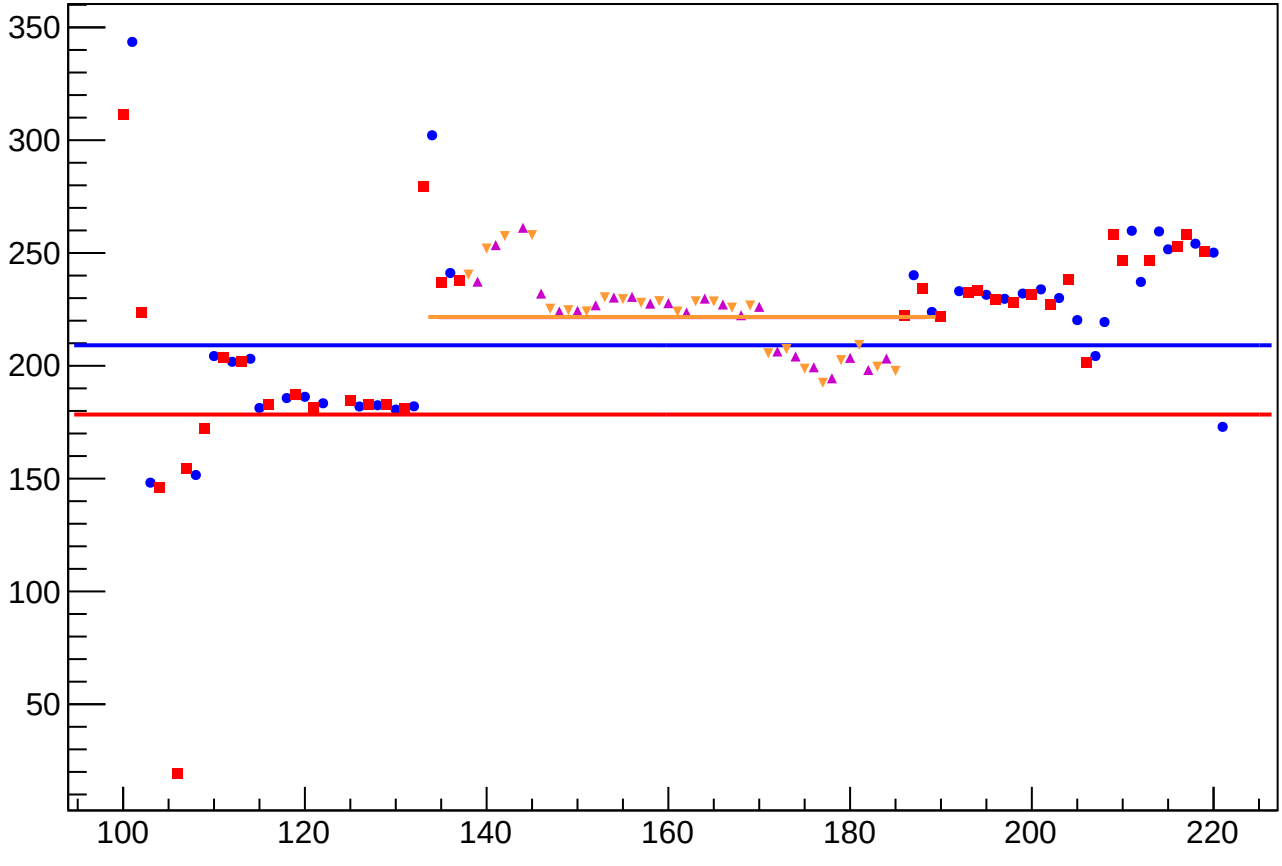
Right: -87.161+/-1.320 χ^2/NDF: 2122.0/68

In: -110.677+/-1.156 χ^2/NDF:1593.7/56

Out: -106.135+/-1.128 χ^2/NDF:1975.8/58

All: -108.349+/-0.807 χ^2/NDF: 3577.4/115

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 178.408+/-0.089 χ^2/NDF: 689156.5/34

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

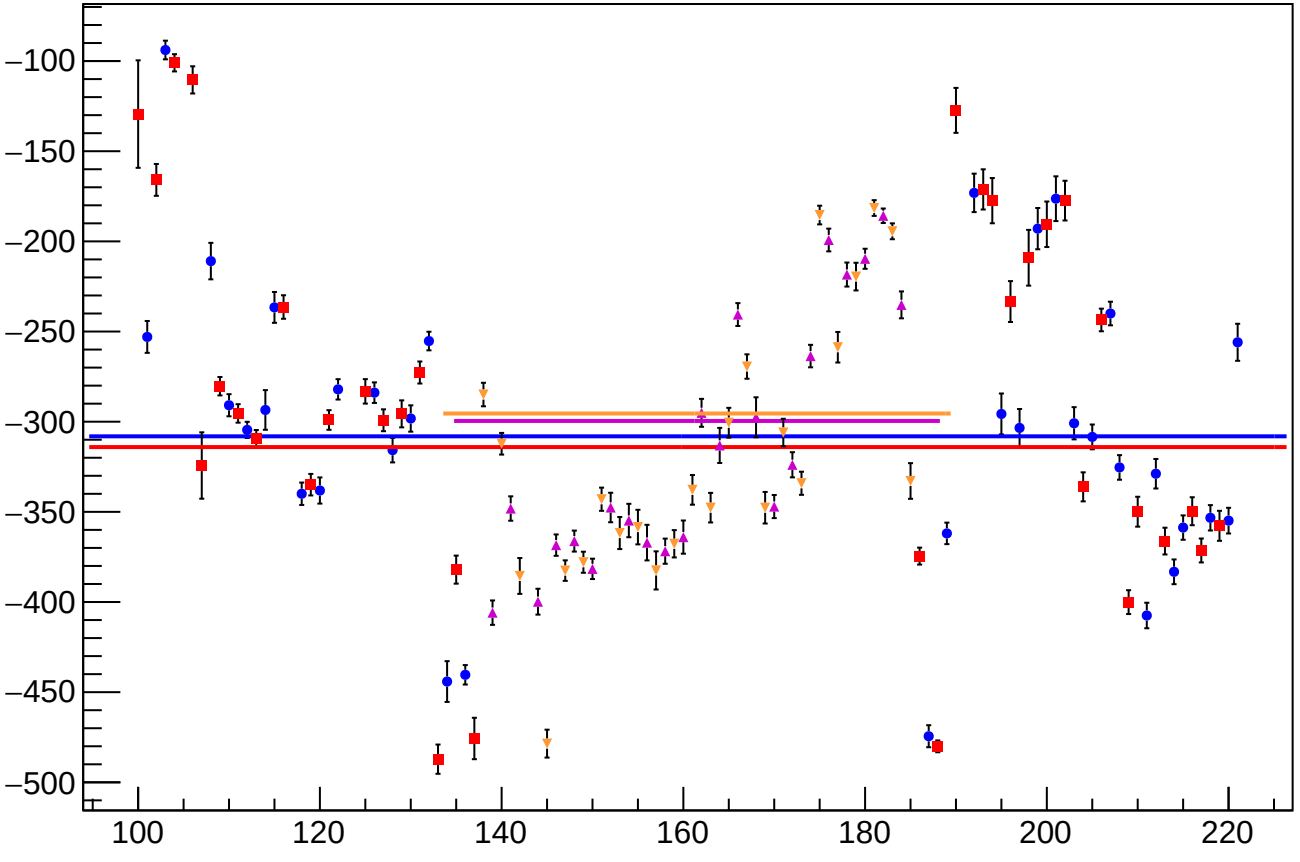
Right: 192.409+/-0.066 χ^2/NDF: 959338.0/68

In: 217.647+/-0.055 χ^2/NDF:289819.9/56

Out: 206.215+/-0.053 χ^2/NDF:906520.8/58

All: 211.789+/-0.038 χ^2/NDF: 1218632.7/115

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -314.081+/-1.154 χ^2/NDF: 8141.2/34

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

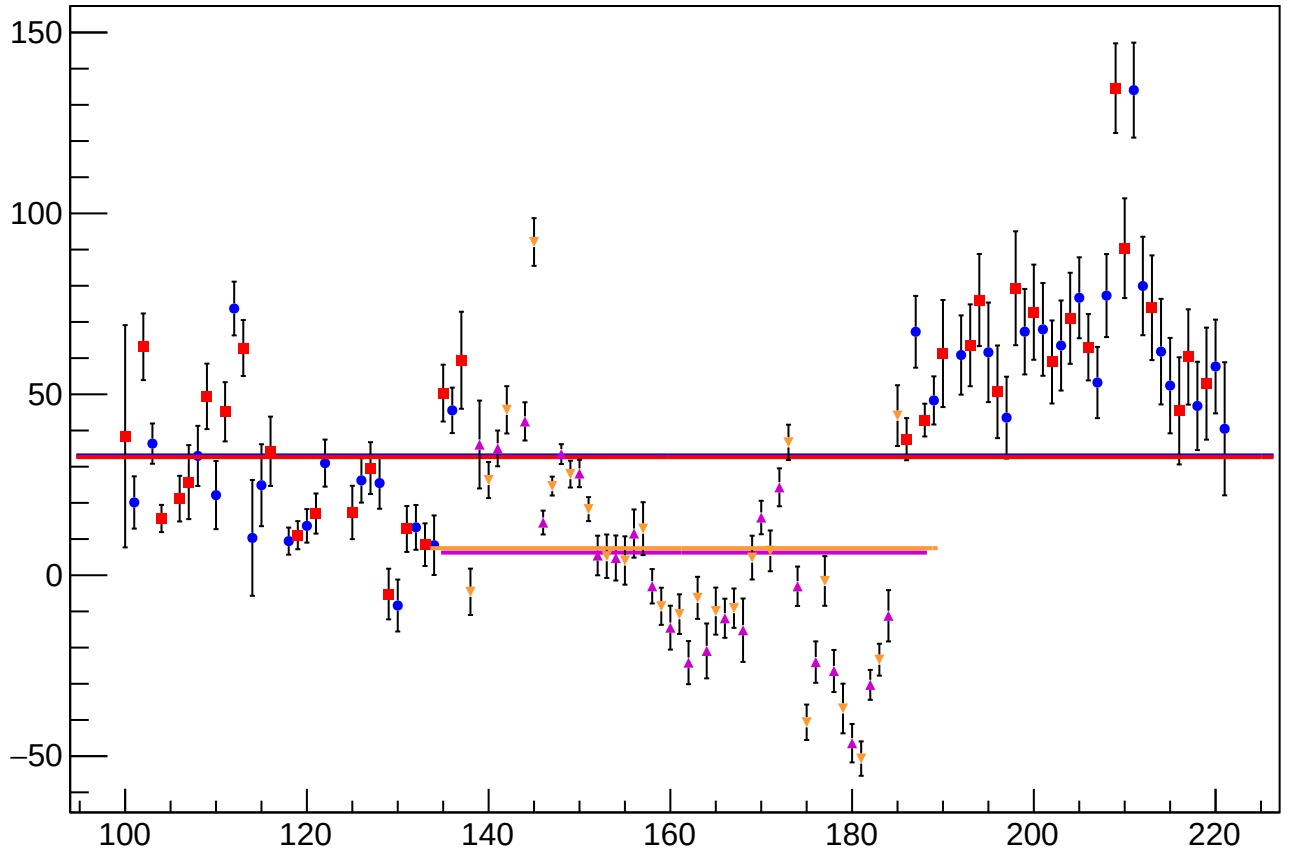
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -311.232+/-0.834 χ^2/NDF: 12818.9/68

In: -304.467+/-0.913 χ^2/NDF:7658.0/56

Out: -306.504+/-0.889 χ^2/NDF:11593.4/58

All: -305.514+/-0.637 χ^2/NDF: 19254.0/115



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: 32.648+/-1.318 χ^2/NDF: 339.0/34

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

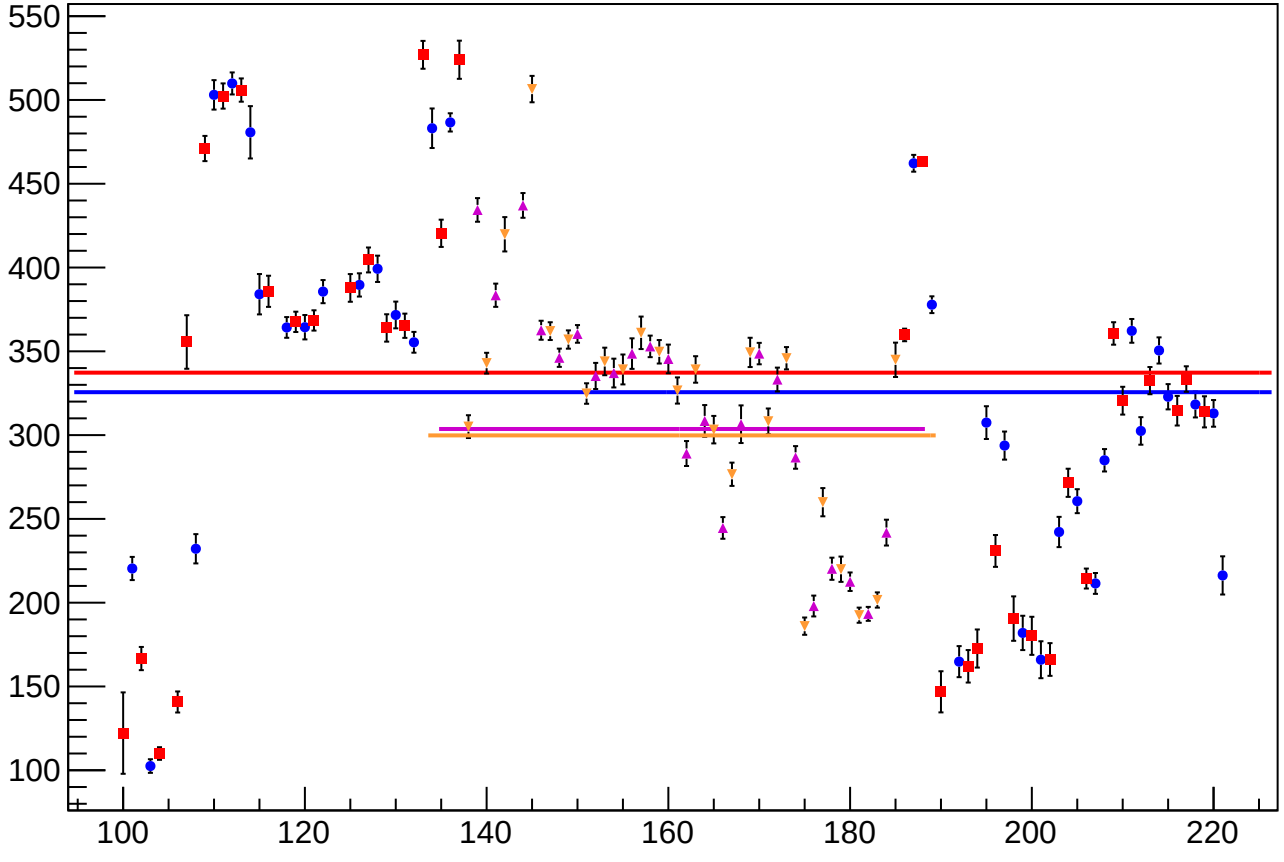
Right: 32.869+/-0.956 χ^2/NDF: 660.0/68

In: 15.959+/-0.835 χ^2/NDF:1119.0/56

Out: 17.018+/-0.811 χ^2/NDF:1303.8/58

All: 16.504+/-0.582 χ^2/NDF: 2423.5/115

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 337.269+/-1.148 χ^2/NDF: 12171.0/34

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

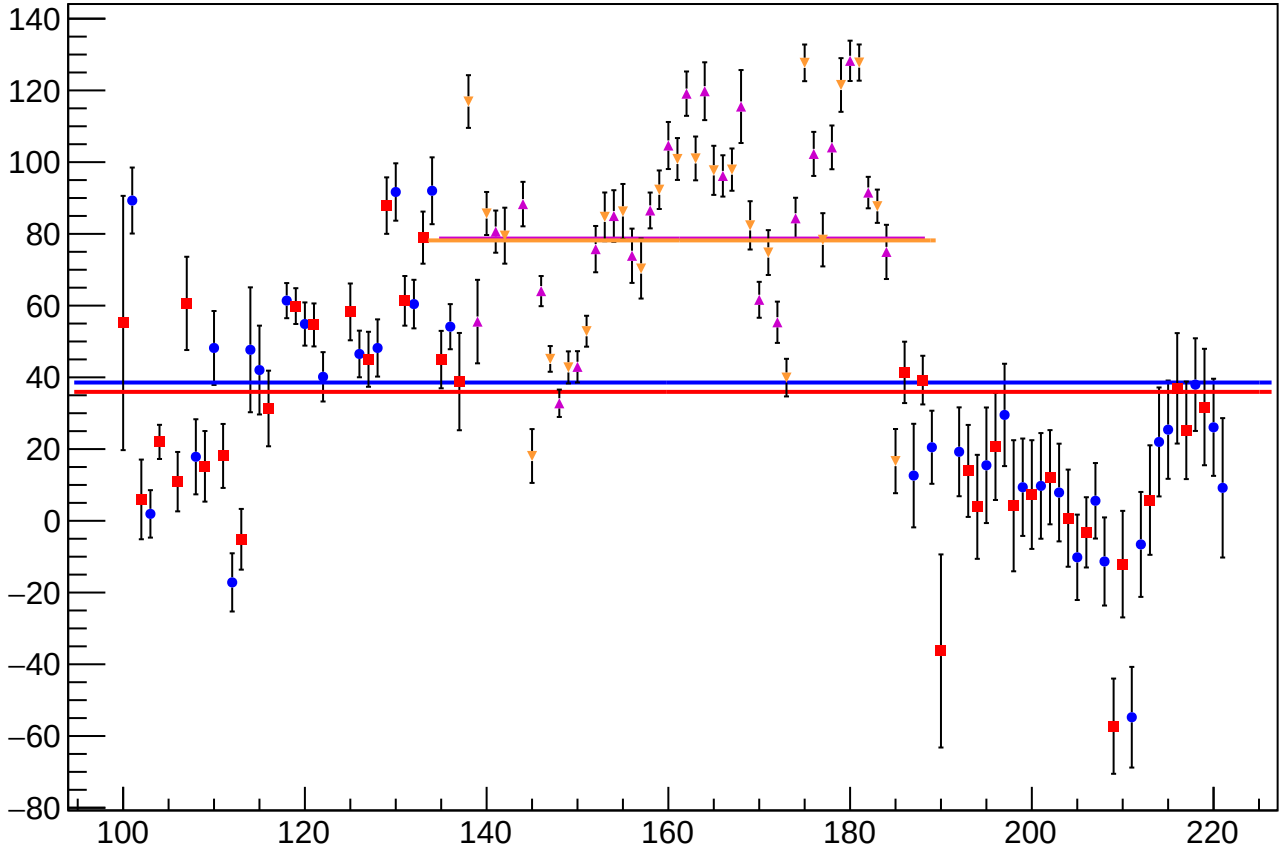
Right: 331.894+/-0.842 χ^2/NDF: 20574.1/68

In: 315.820+/-0.923 χ^2/NDF:11367.9/56

Out: 321.975+/-0.883 χ^2/NDF:15682.0/58

All: 319.036+/-0.638 χ^2/NDF: 27073.1/115

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: 35.950+/-1.569 χ^2/NDF: 310.2/34

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

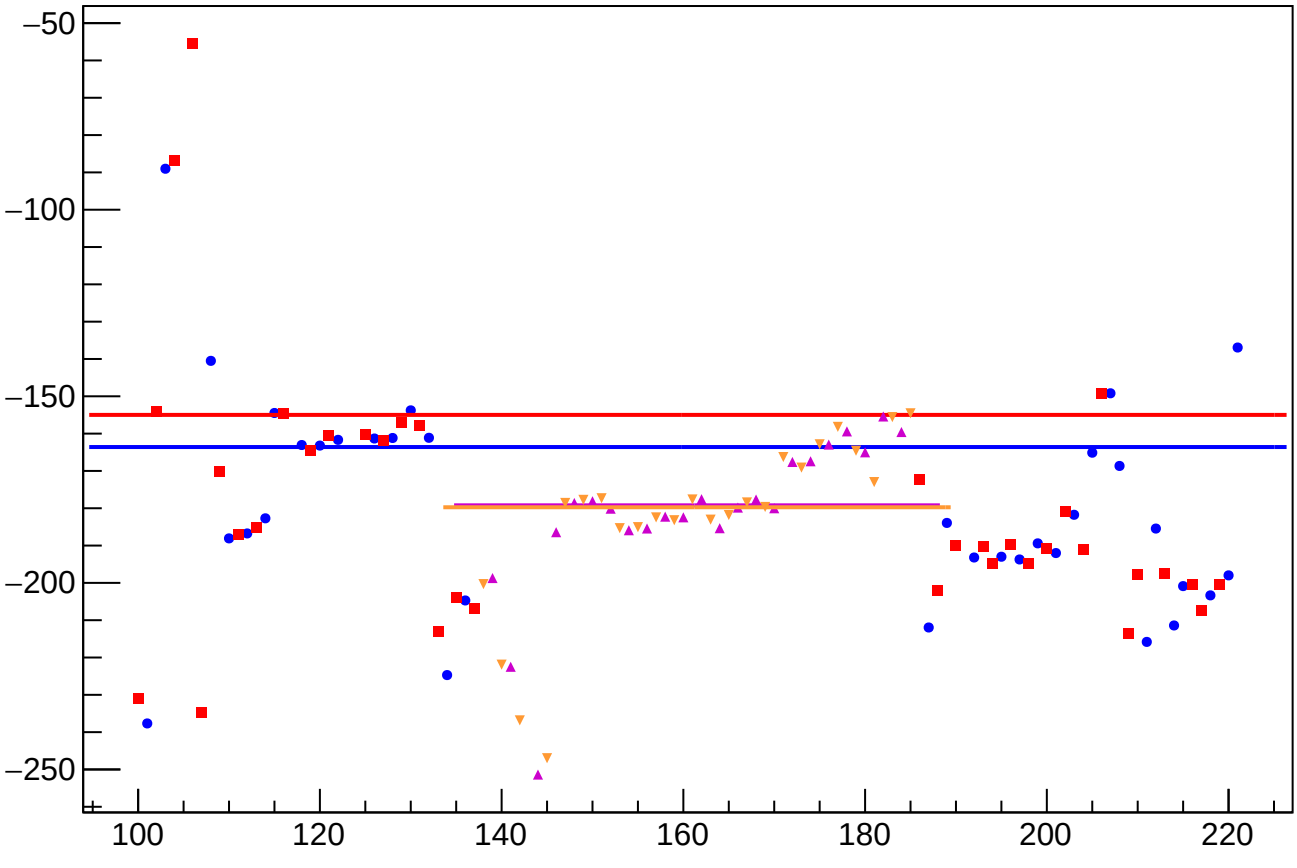
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.216+/-1.125 χ^2/NDF: 677.4/68

In: 64.489+/-0.960 χ^2/NDF:1253.6/56

Out: 62.845+/-0.945 χ^2/NDF:1435.1/58

All: 63.654+/-0.674 χ^2/NDF: 2690.2/115



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: -154.984+/-0.076 χ^2/NDF: 444955.3/34

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

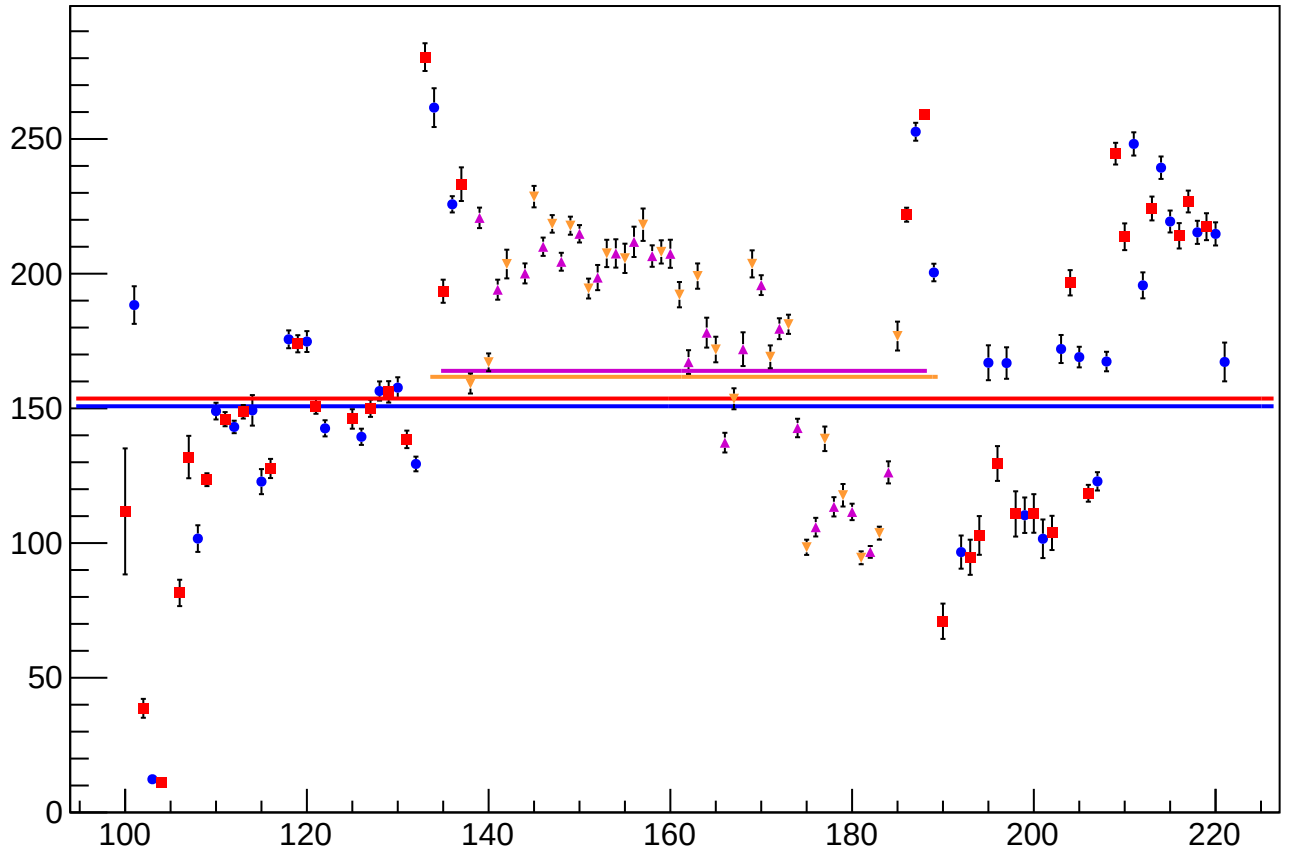
Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

Right: -159.171+/-0.055 χ^2/NDF: 775608.6/68

In: -174.146+/-0.045 χ^2/NDF:464677.1/56

Out: -171.299+/-0.045 χ^2/NDF:646215.2/58

All: -172.718+/-0.032 χ^2/NDF: 1112918.1/11



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: 153.650+/-0.605 χ^2/NDF: 15039.0/34

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

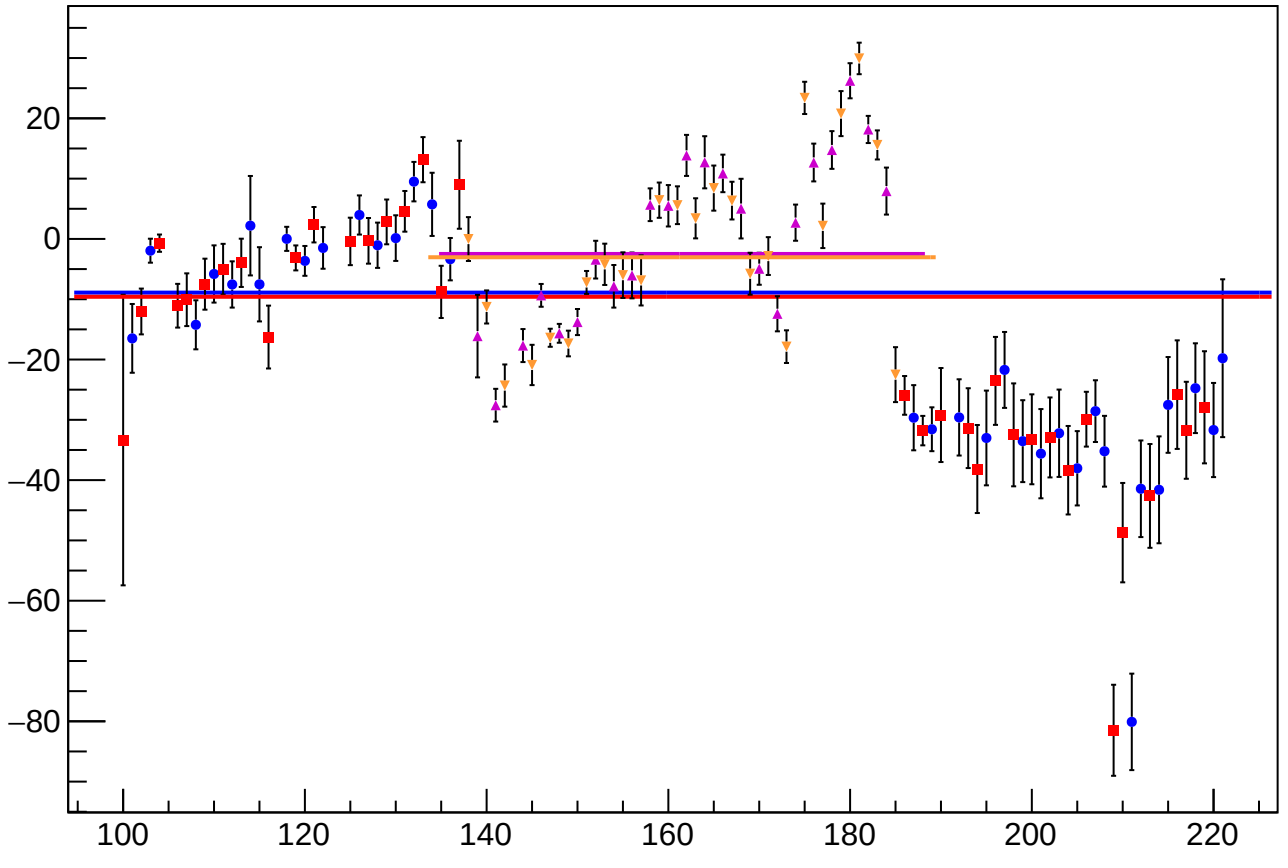
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 152.299+/-0.440 χ^2/NDF: 25327.1/68

In: 156.082+/-0.495 χ^2/NDF:13782.8/56

Out: 156.693+/-0.477 χ^2/NDF:18693.4/58

All: 156.399+/-0.343 χ^2/NDF: 32477.0/115



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: 507.4/34

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

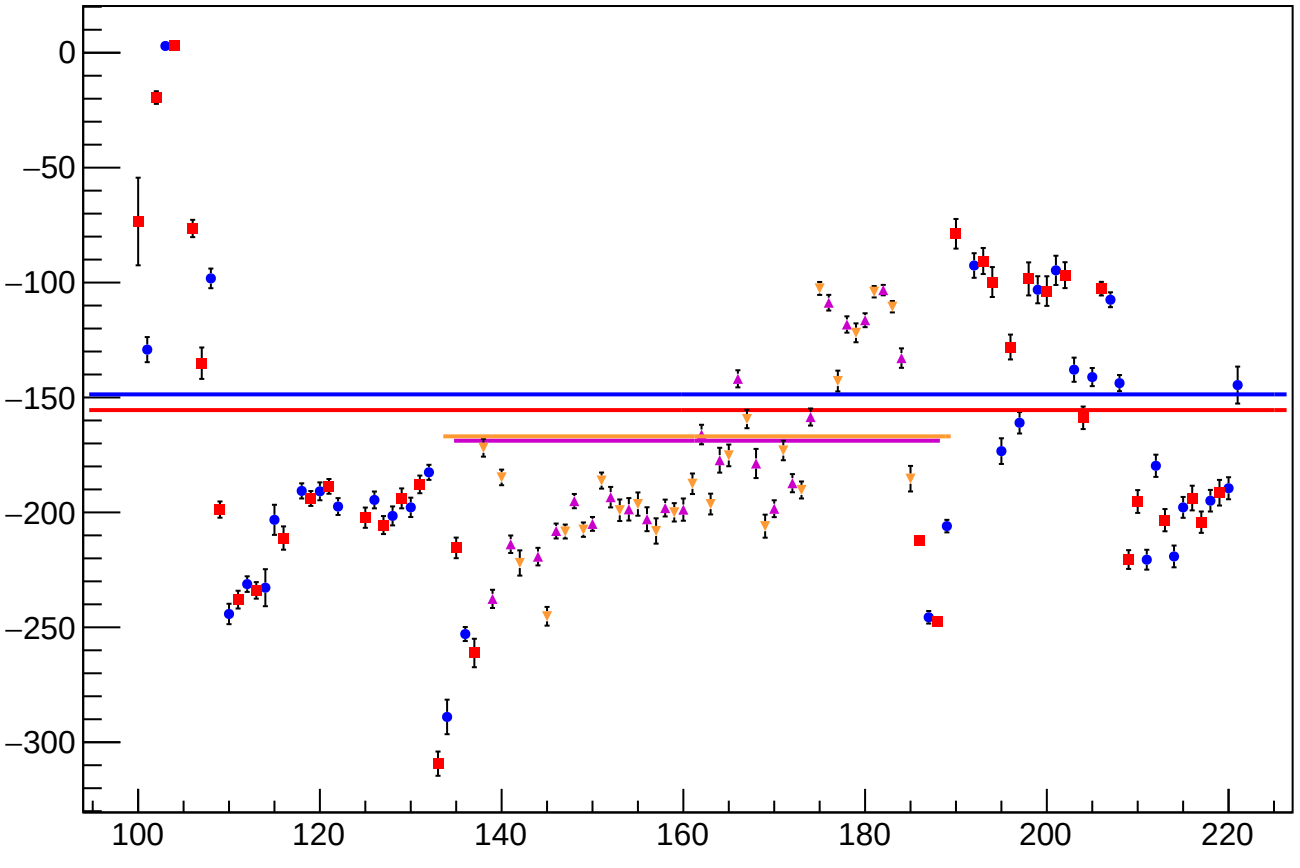
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -9.278+/-0.494 χ^2/NDF: 922.9/68

In: -5.004+/-0.458 χ^2/NDF:1024.7/56

Out: -5.840+/-0.437 χ^2/NDF:1216.8/58

All: -5.441+/-0.316 χ^2/NDF: 2243.3/115



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: -155.483+/-0.593 χ^2/NDF: 24699.9/34

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

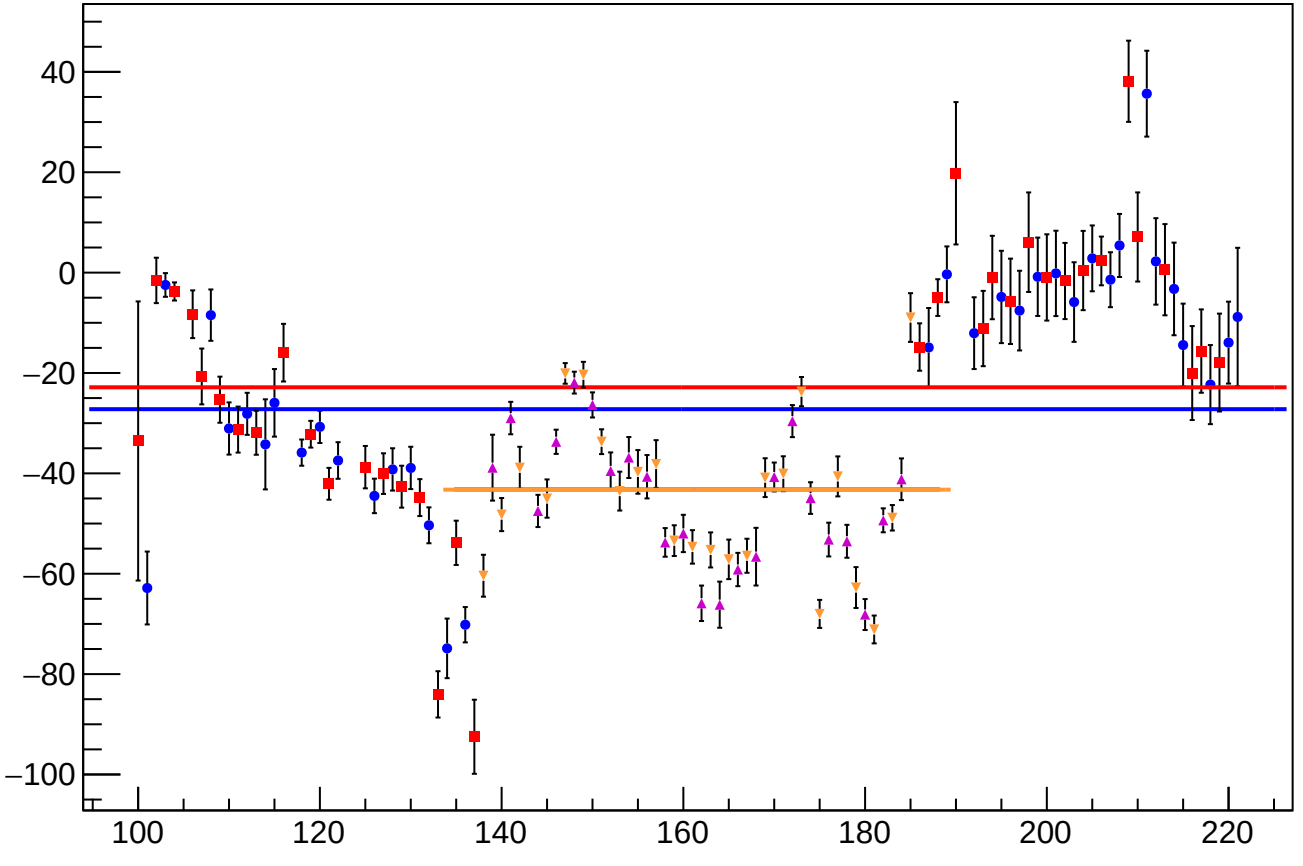
Right: -152.357+/-0.437 χ^2/NDF: 42927.2/68

In: -156.939+/-0.495 χ^2/NDF:21627.1/56

Out: -159.731+/-0.470 χ^2/NDF:27934.3/58

All: -158.408+/-0.341 χ^2/NDF: 49578.1/115

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -22.852+/-0.800 χ^2/NDF: 790.2/34

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

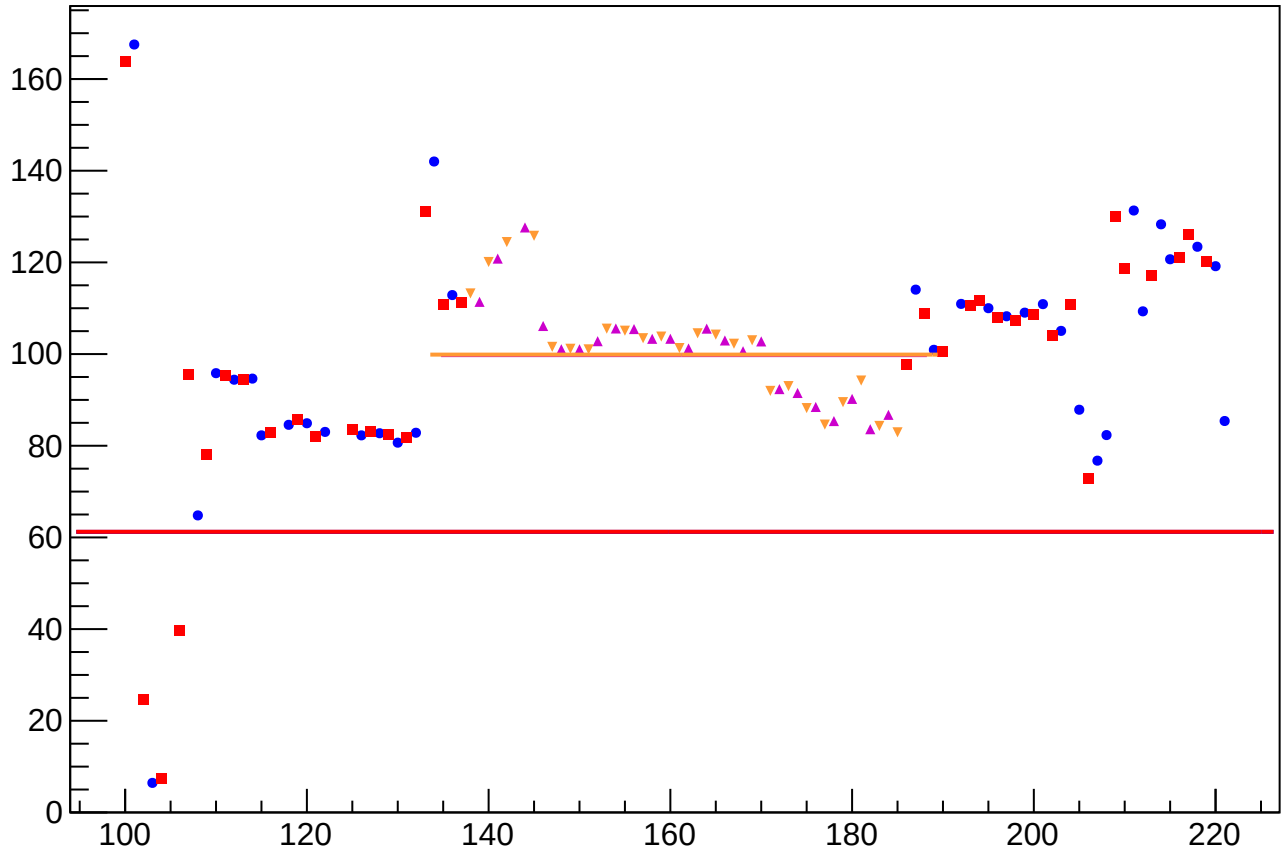
Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

Right: -24.898+/-0.583 χ^2/NDF: 1489.8/68

In: -37.085+/-0.526 χ^2/NDF:1309.7/56

Out: -34.930+/-0.511 χ^2/NDF:1785.3/58

All: -35.975+/-0.367 χ^2/NDF: 3103.6/115



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: 61.233+/-0.038 χ^2/NDF: 1402187.5/34

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

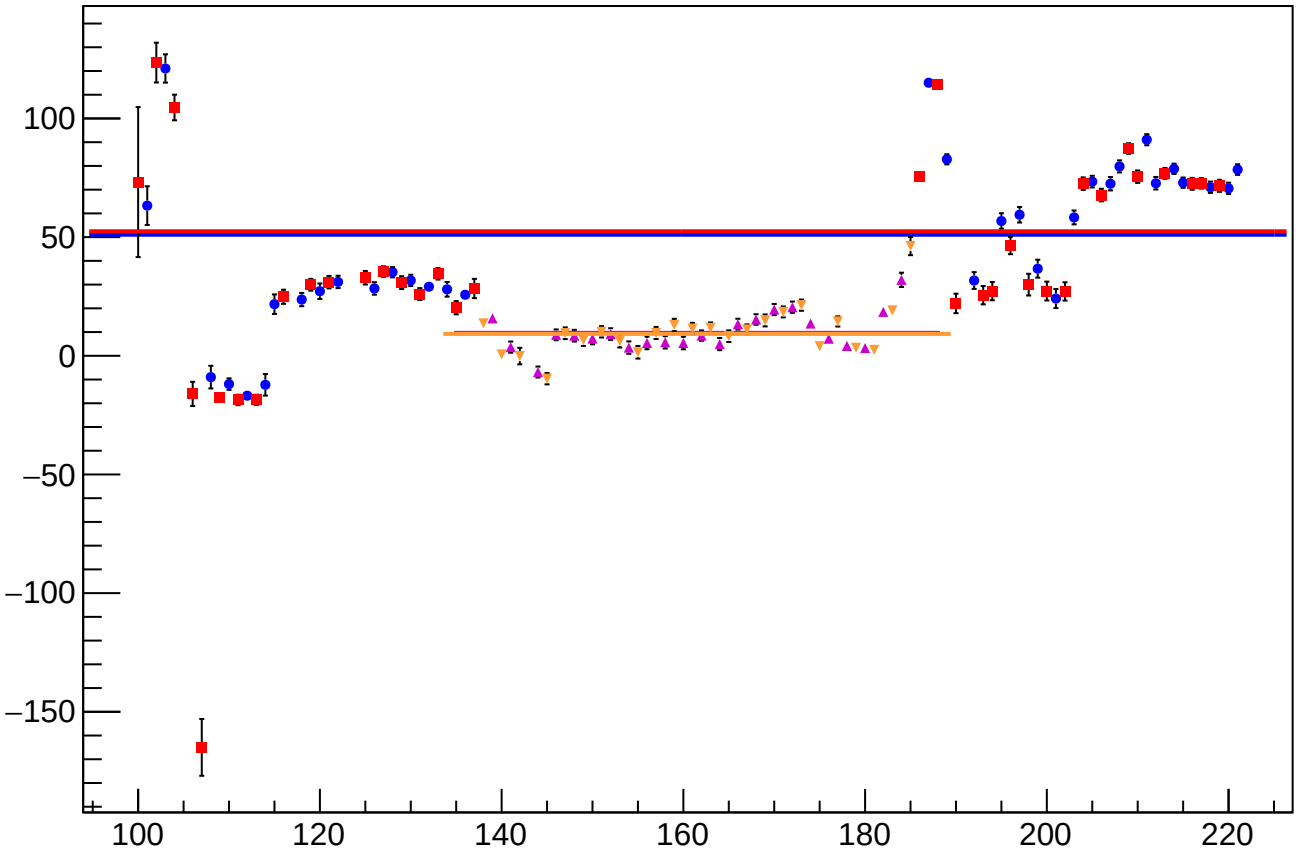
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 61.219+/-0.027 χ^2/NDF: 3025021.1/68

In: 84.598+/-0.024 χ^2/NDF:2363124.8/56

Out: 84.491+/-0.024 χ^2/NDF:2154081.9/58

All: 84.545+/-0.017 χ^2/NDF: 4517216.7/115



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: 52.472+/-0.436 χ^2/NDF: 8800.1/34

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

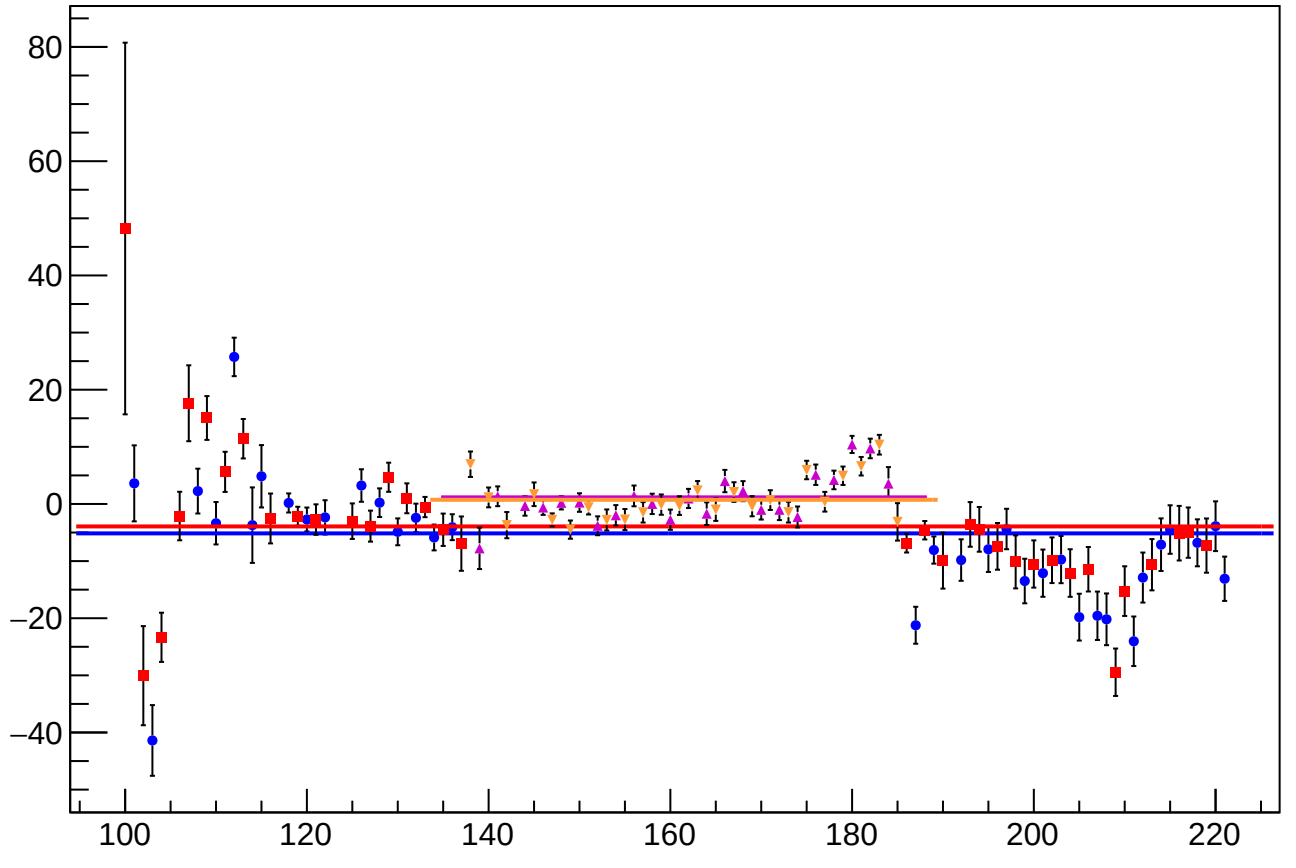
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 51.775+/-0.315 χ^2/NDF: 14427.3/68

In: 30.736+/-0.324 χ^2/NDF:9941.6/56

Out: 31.819+/-0.315 χ^2/NDF:13816.8/58

All: 31.292+/-0.226 χ^2/NDF: 23764.1/115



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: -3.932+/-0.531 χ^2/NDF: 182.2/34

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

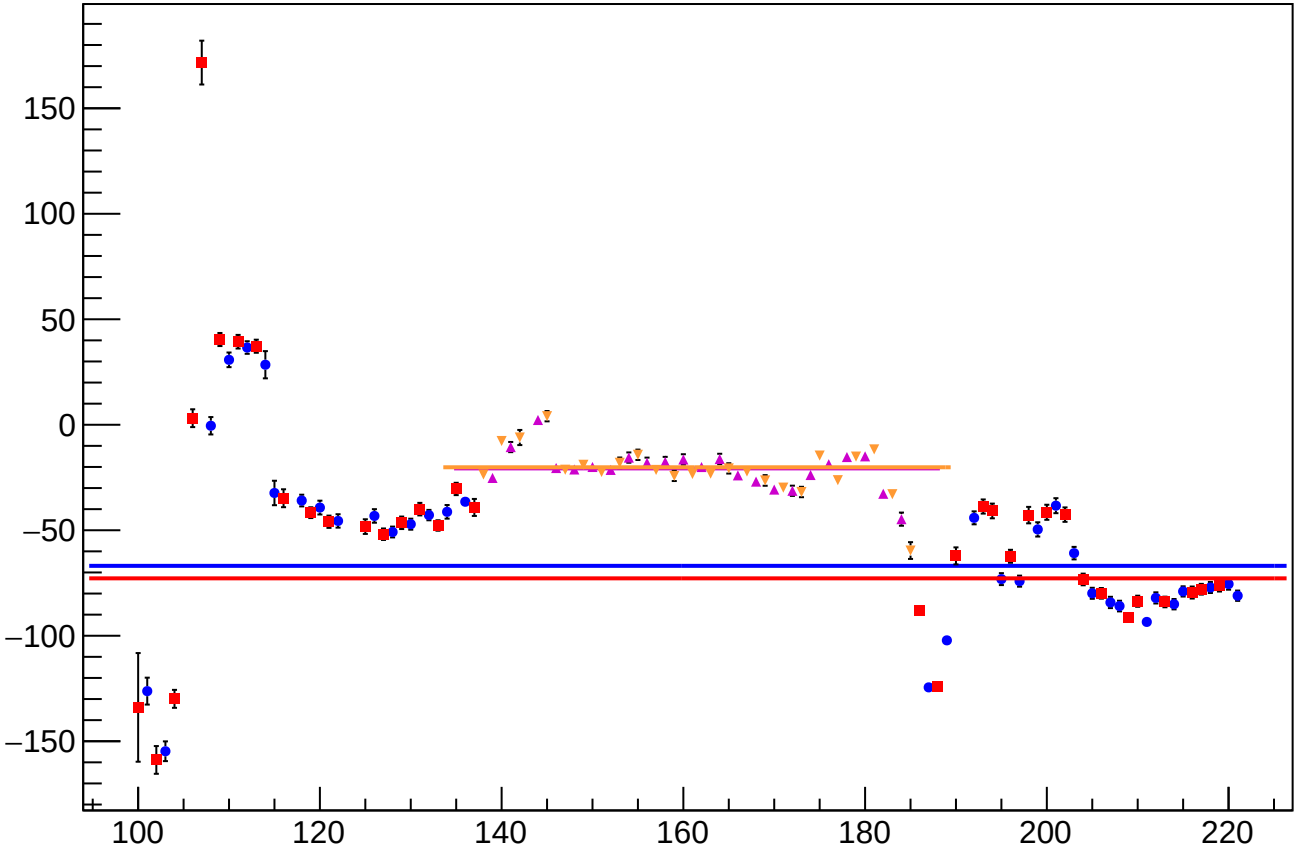
Right: -4.515+/-0.383 χ^2/NDF: 438.5/68

In: -0.702+/-0.300 χ^2/NDF:455.9/56

Out: -0.681+/-0.292 χ^2/NDF:345.8/58

All: -0.691+/-0.209 χ^2/NDF: 801.7/115

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: -72.797+/-0.432 χ^2/NDF: 9793.7/34

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

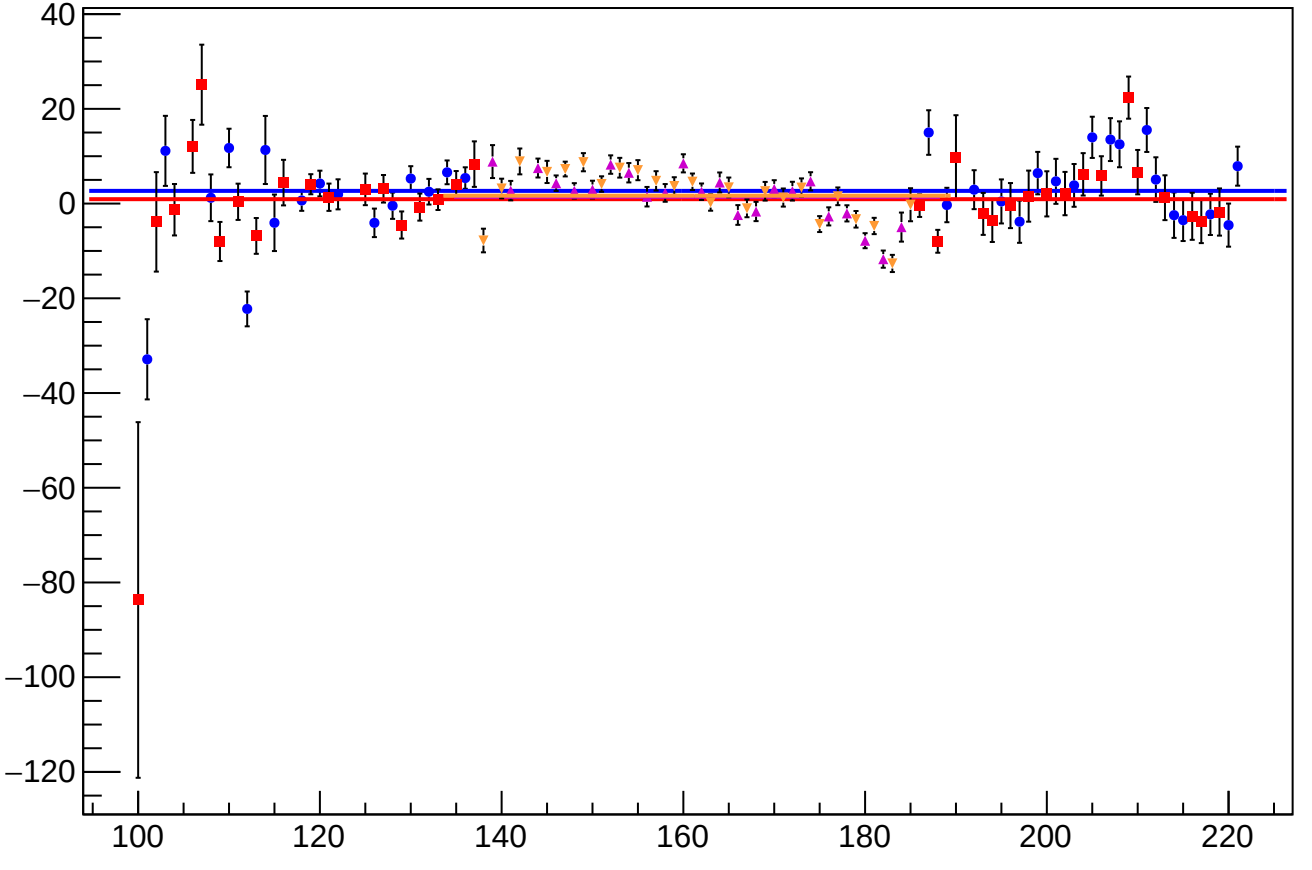
Right: -70.085+/-0.318 χ^2/NDF: 15849.0/68

In: -43.147+/-0.328 χ^2/NDF:11233.9/56

Out: -47.698+/-0.312 χ^2/NDF:17298.7/58

All: -45.533+/-0.226 χ^2/NDF: 28633.5/115

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: 0.928+/-0.631 χ^2/NDF: 83.8/34

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

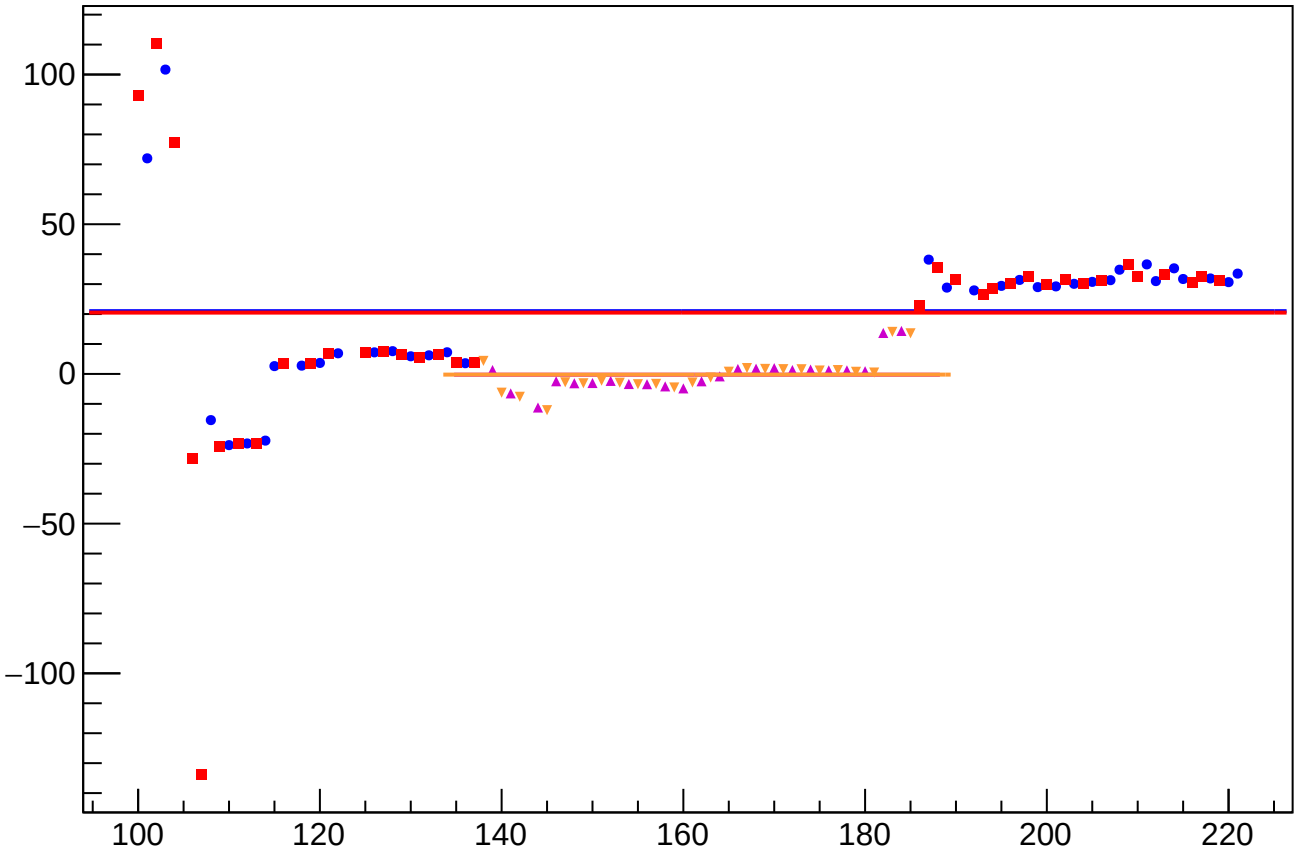
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.800+/-0.447 χ^2/NDF: 216.5/68

In: 1.787+/-0.340 χ^2/NDF:294.5/56

Out: 1.462+/-0.335 χ^2/NDF:262.7/58

All: 1.622+/-0.238 χ^2/NDF: 557.7/115



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: 20.484+/-0.032 χ^2/NDF: 607212.3/34

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

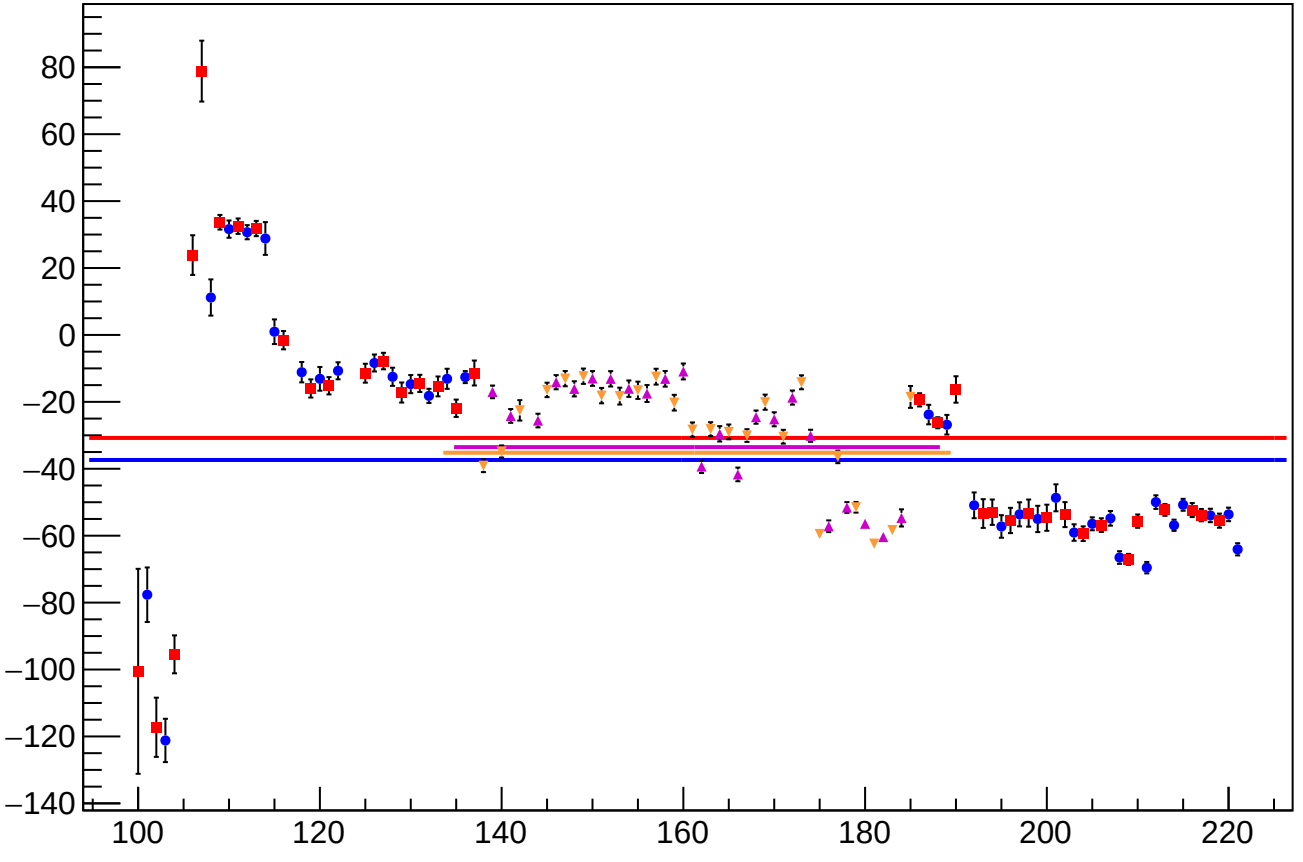
Right: 20.728+/-0.023 χ^2/NDF: 1048255.8/68

In: 4.753+/-0.015 χ^2/NDF:852722.7/56

Out: 4.523+/-0.015 χ^2/NDF:1004640.0/58

All: 4.638+/-0.011 χ^2/NDF: 1857472.9/115

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -30.782+/-0.438 χ^2/NDF: 5069.7/34

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

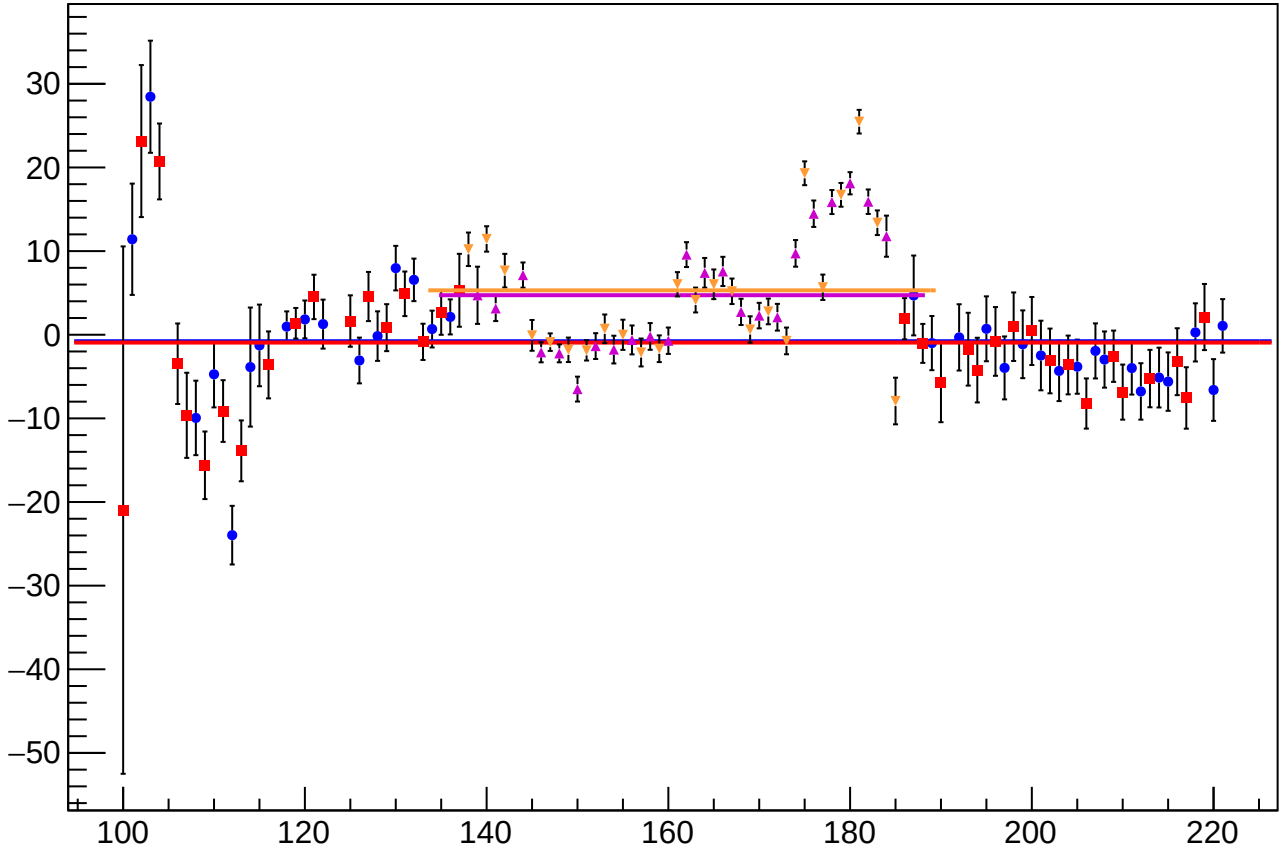
Right: -34.176+/-0.305 χ^2/NDF: 9885.1/68

In: -35.396+/-0.297 χ^2/NDF:6547.2/56

Out: -33.148+/-0.299 χ^2/NDF:6974.9/58

All: -34.281+/-0.210 χ^2/NDF: 13550.5/115

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: -0.936+/-0.560 χ^2/NDF: 103.3/34

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

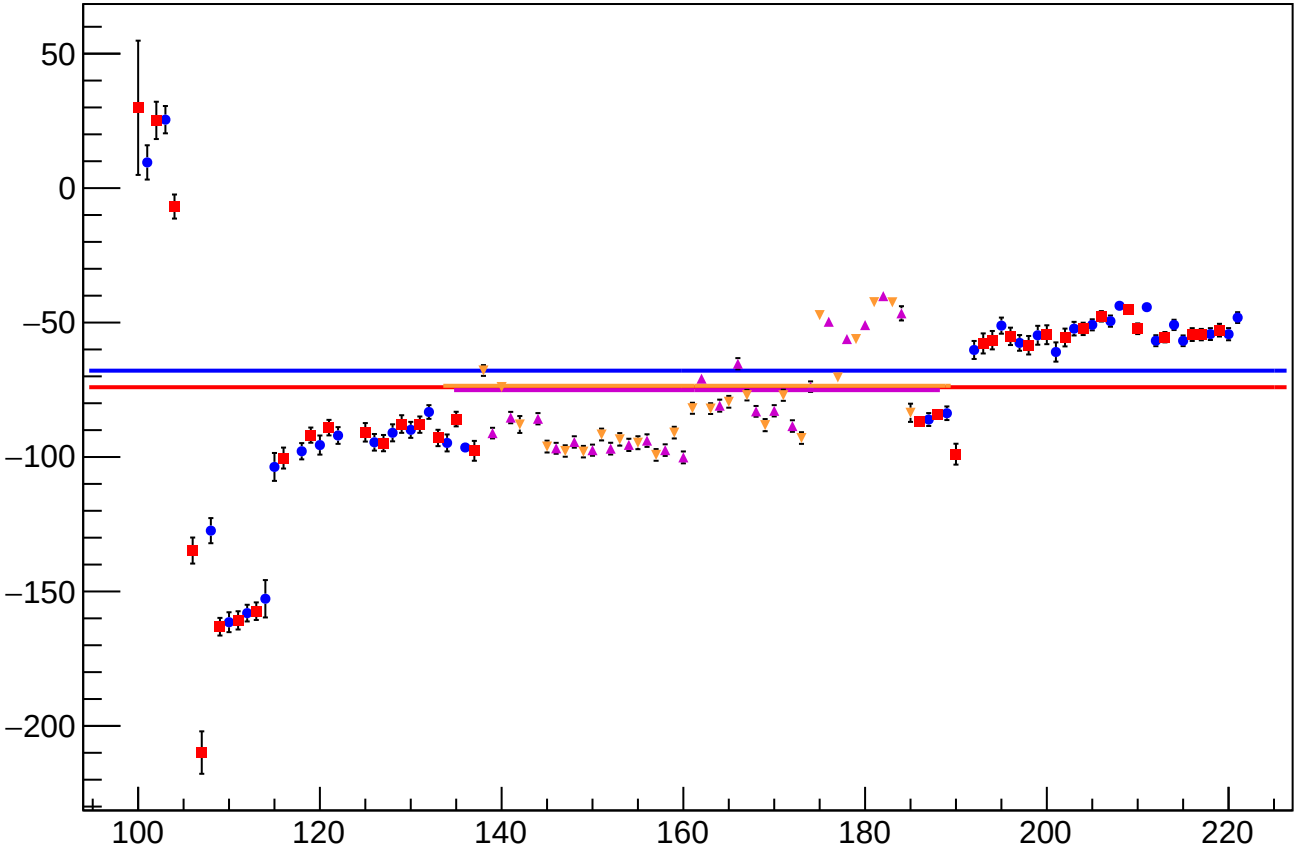
Right: -0.855+/-0.392 χ^2/NDF: 215.0/68

In: 3.328+/-0.277 χ^2/NDF:682.3/56

Out: 3.806+/-0.274 χ^2/NDF:822.1/58

All: 3.570+/-0.195 χ^2/NDF: 1505.9/115

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: -74.042+/-0.452 χ^2/NDF: 4612.4/34

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

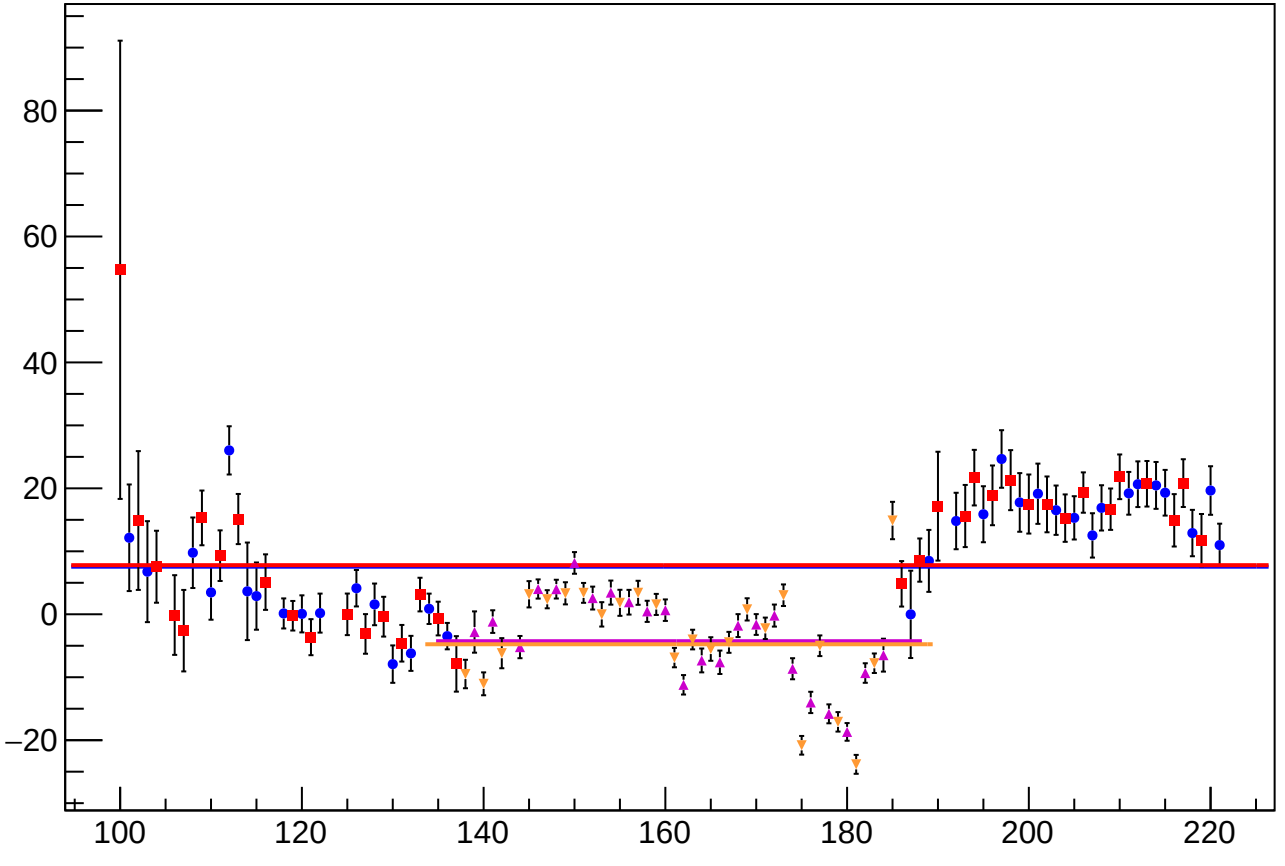
Right: -70.933+/-0.318 χ^2/NDF: 8809.4/68

In: -71.829+/-0.302 χ^2/NDF:6607.8/56

Out: -73.745+/-0.302 χ^2/NDF:7005.2/58

All: -72.789+/-0.214 χ^2/NDF: 13633.0/115

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: 7.797+/-0.643 χ^2/NDF: 214.2/34

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

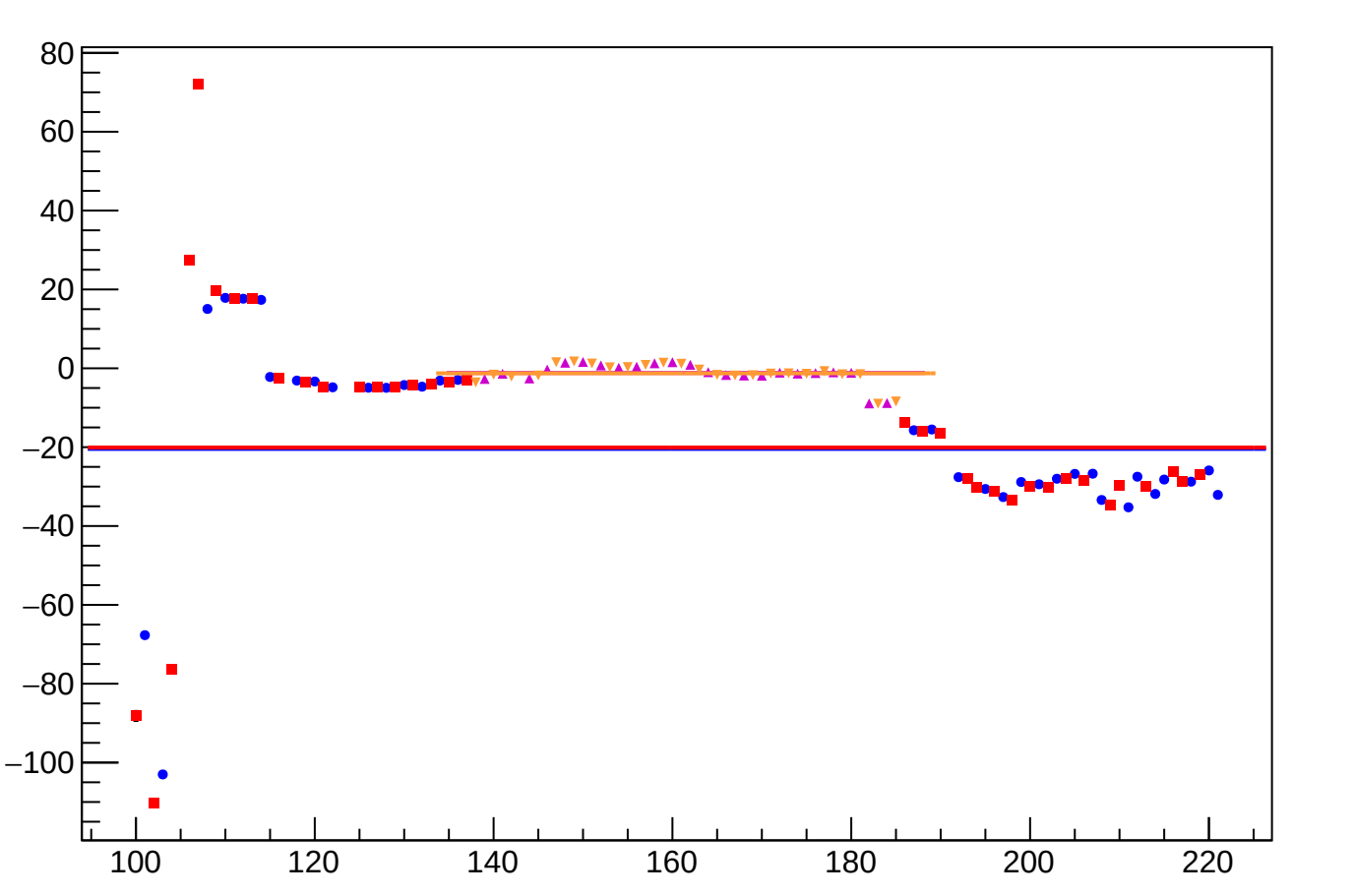
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 7.674+/-0.445 χ^2/NDF: 464.7/68

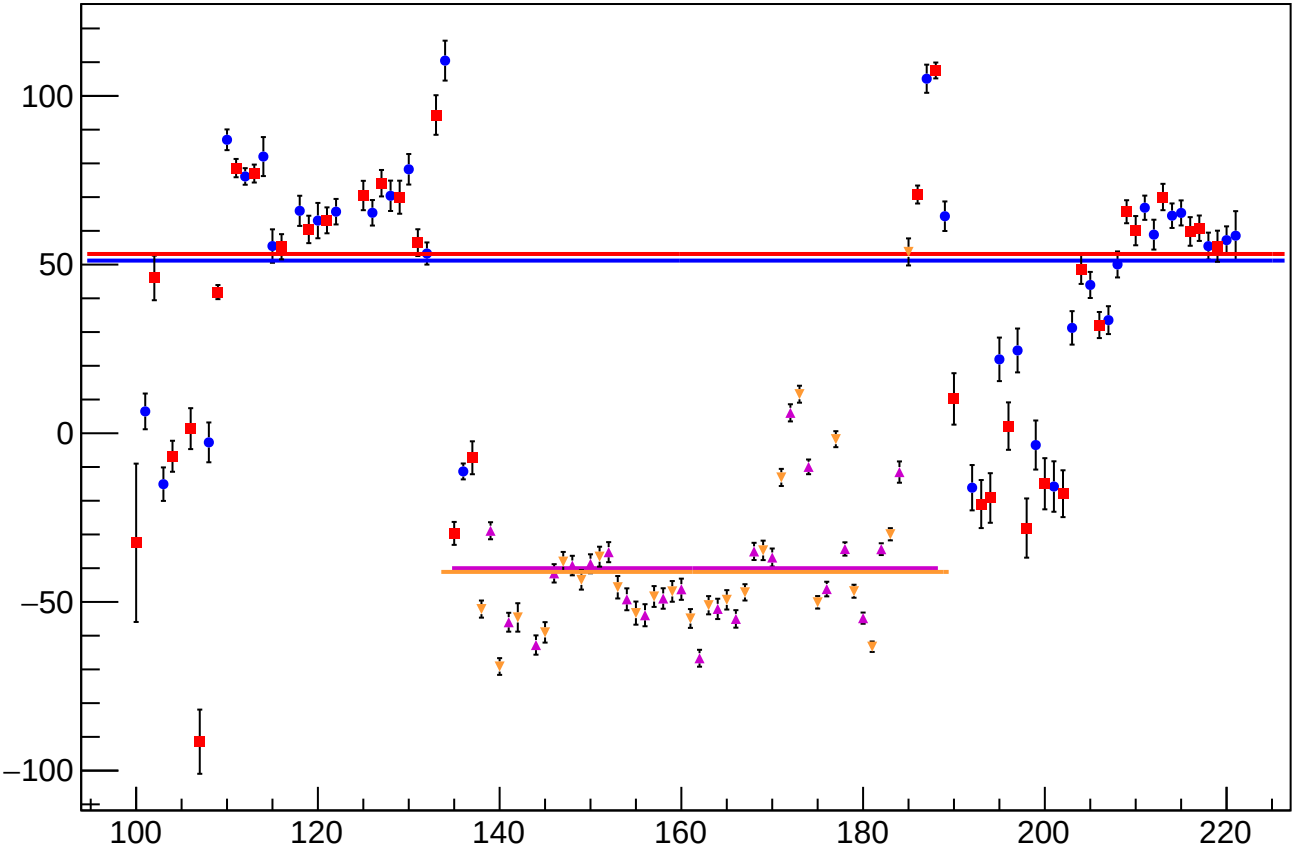
In: -1.259+/-0.312 χ^2/NDF:949.0/56

Out: -1.832+/-0.311 χ^2/NDF:1083.5/58

All: -1.546+/-0.220 χ^2/NDF: 2034.1/115


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: -20.099+/-0.032 χ²/NDF: 484147.6/34
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -20.275+/-0.022 χ²/NDF: 886194.4/68
In: -5.377+/-0.014 χ²/NDF:744303.1/56
Out: -5.066+/-0.014 χ²/NDF:793465.3/58
All: -5.222+/-0.010 χ²/NDF: 1538011.6/115

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 53.148+/-0.683 χ^2/NDF: 2760.2/34

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

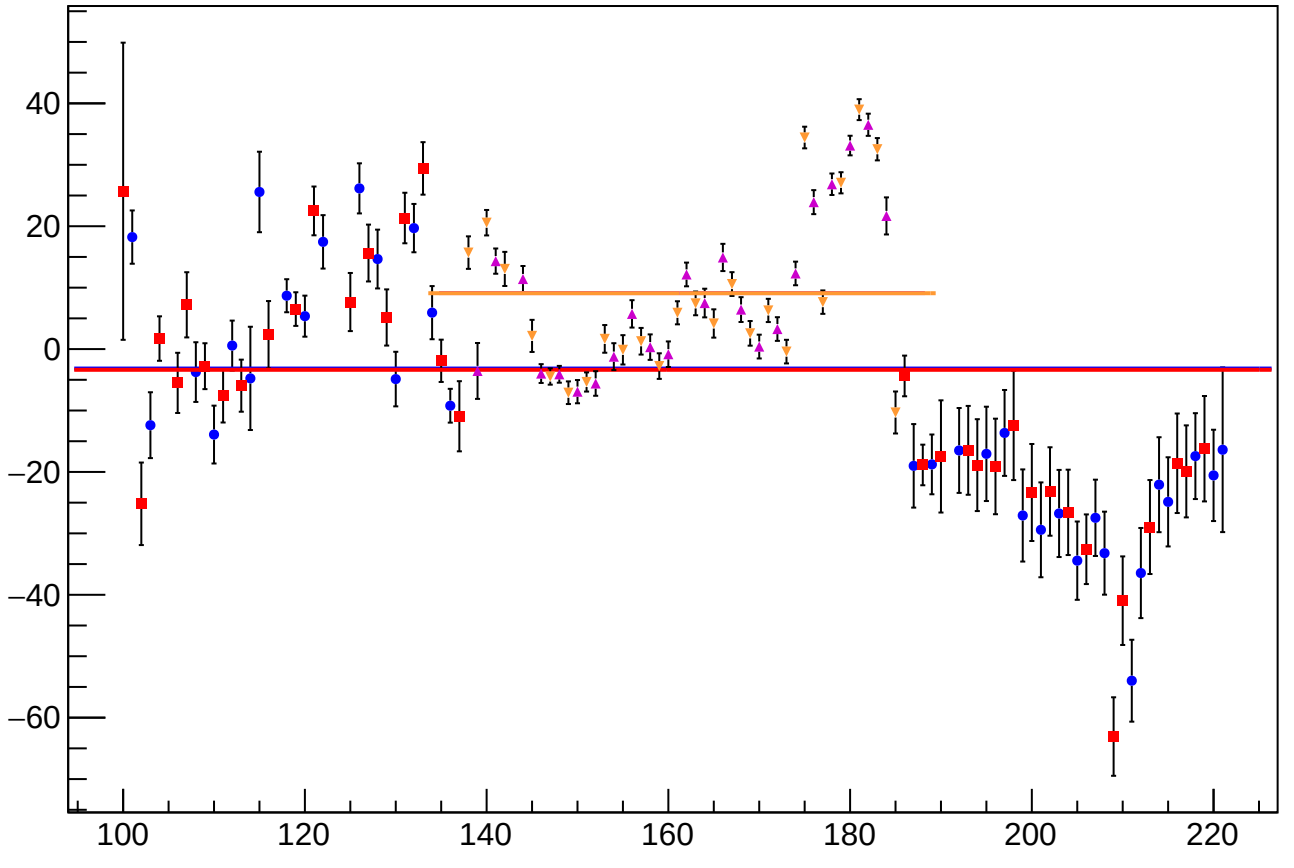
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 52.215+/-0.495 χ^2/NDF: 4810.9/68

In: -8.279+/-0.423 χ^2/NDF:13601.6/56

Out: -6.758+/-0.412 χ^2/NDF:16799.6/58

All: -7.498+/-0.295 χ^2/NDF: 30407.8/115



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: -3.370+/-0.842 χ^2/NDF: 423.9/34

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

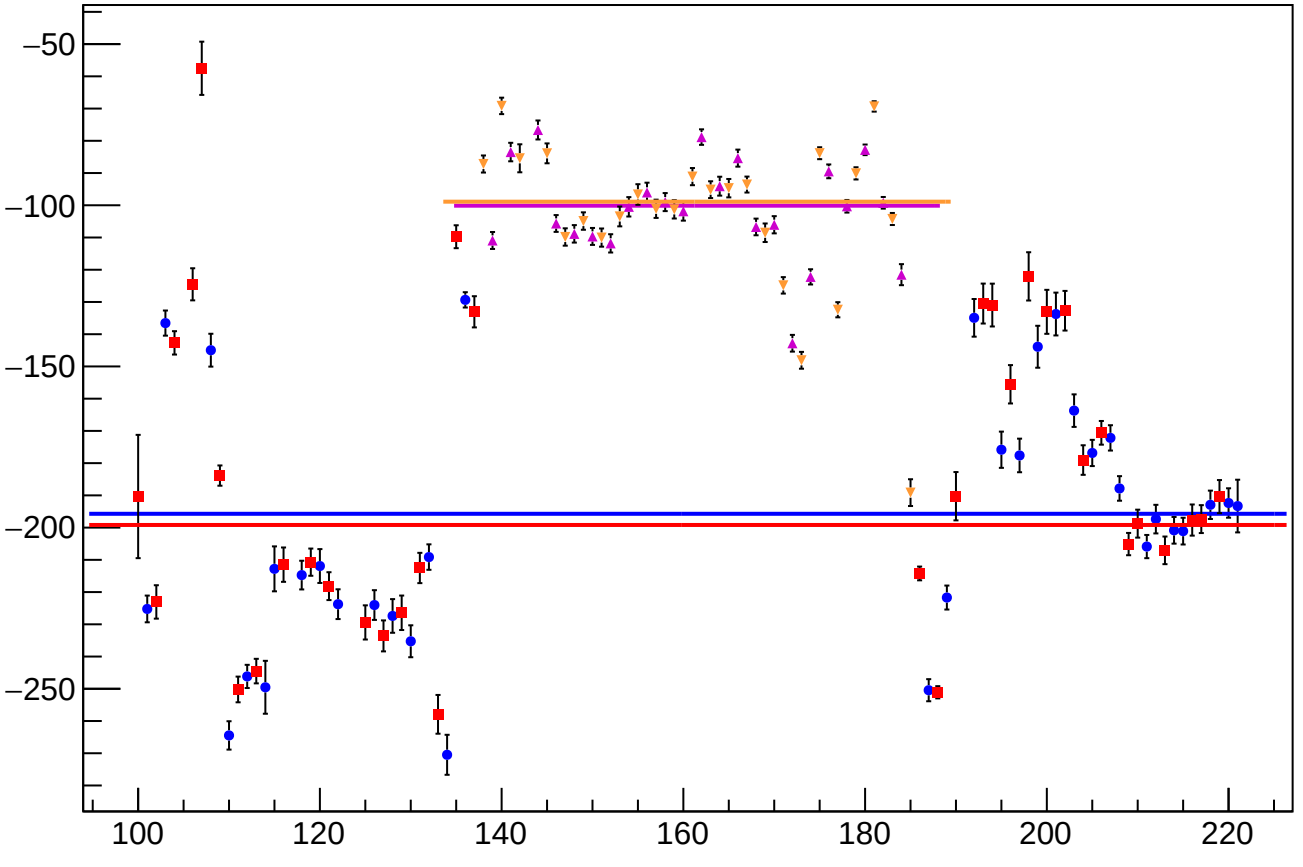
Right: -3.273+/-0.604 χ^2/NDF: 855.0/68

In: 6.886+/-0.370 χ^2/NDF:1647.1/56

Out: 6.785+/-0.362 χ^2/NDF:1856.3/58

All: 6.835+/-0.259 χ^2/NDF: 3503.5/115

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -195.713+/-0.757 χ^2/NDF: 2710.9/33

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -199.181+/-0.714 χ^2/NDF: 3667.2/34

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

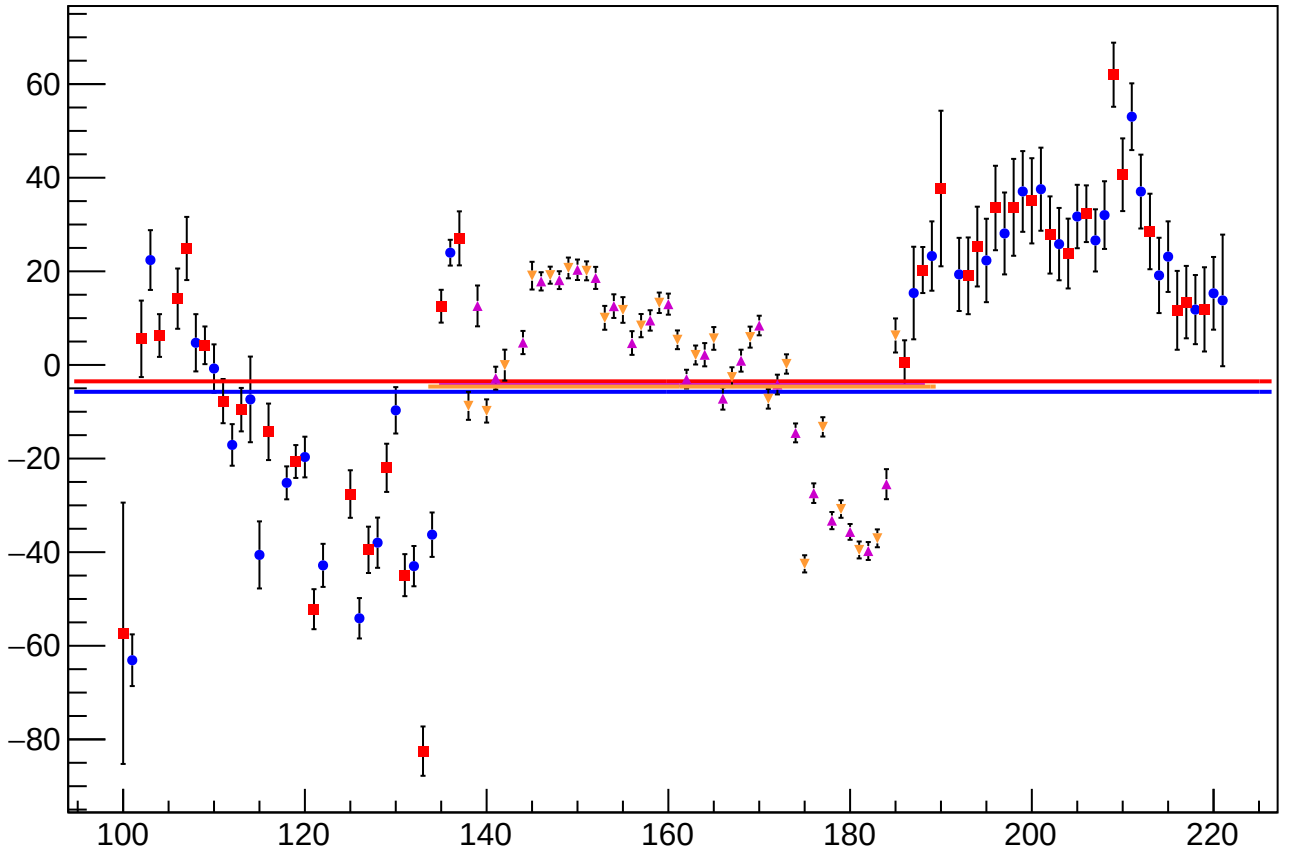
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -197.548+/-0.519 χ^2/NDF: 6389.2/68

In: -130.787+/-0.429 χ^2/NDF:14369.2/56

Out: -133.146+/-0.417 χ^2/NDF:18491.9/58

All: -131.999+/-0.299 χ^2/NDF: 32876.6/115



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: -3.504+/-0.977 χ^2/NDF: 954.9/34

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

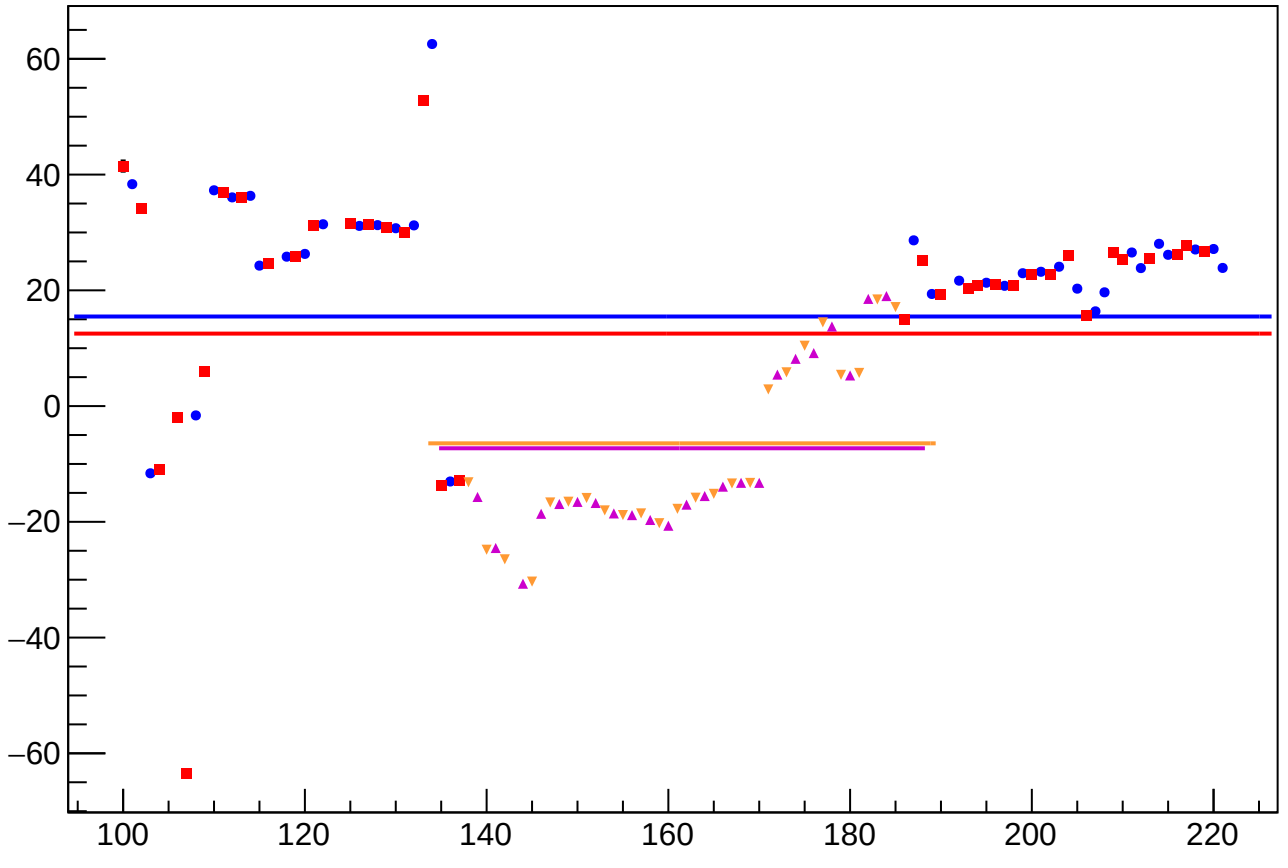
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -4.613+/-0.694 χ^2/NDF: 1957.8/68

In: -4.580+/-0.416 χ^2/NDF:2856.2/56

Out: -4.422+/-0.410 χ^2/NDF:3034.2/58

All: -4.500+/-0.292 χ^2/NDF: 5890.5/115



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: 12.523+/-0.048 χ^2/NDF: 185403.4/34

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

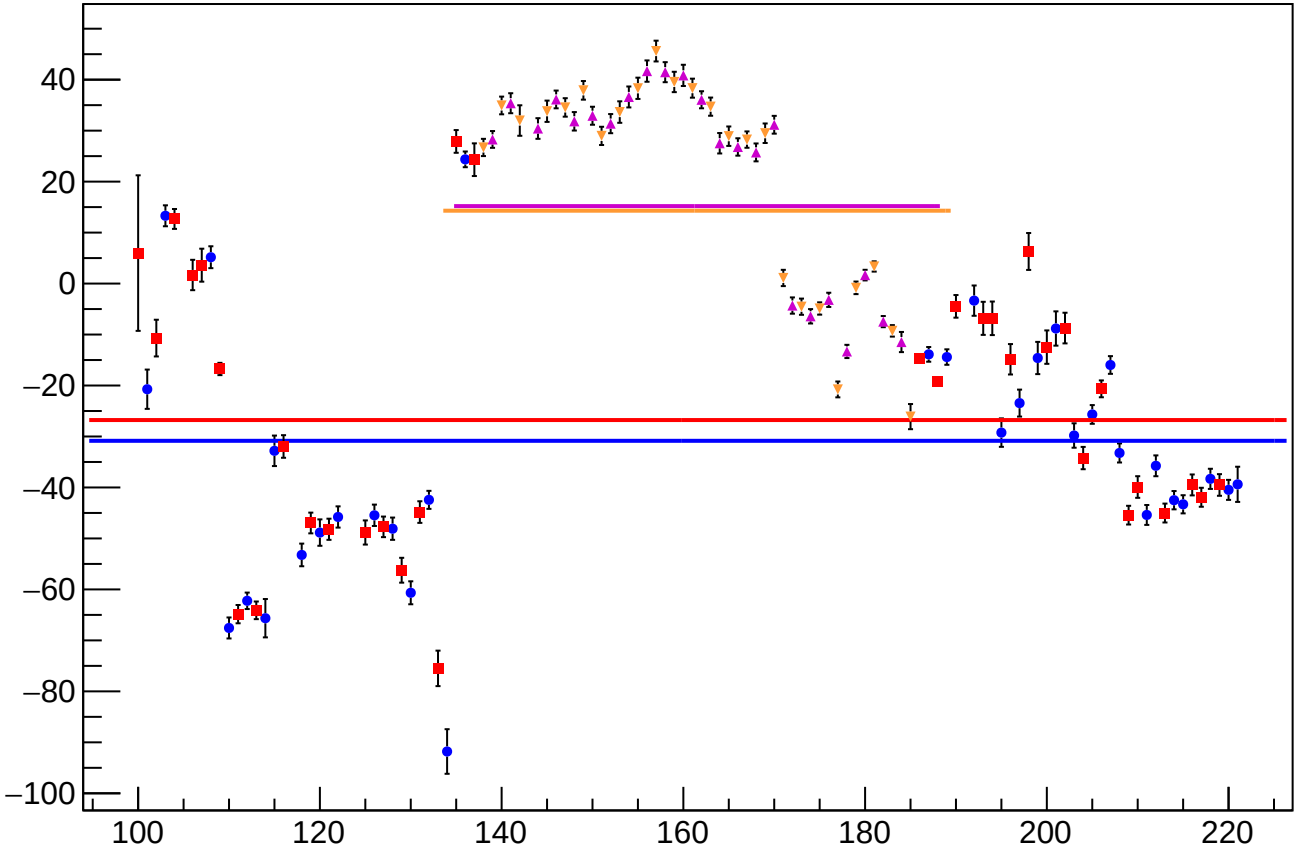
Right: 14.004+/-0.034 χ^2/NDF: 367859.5/68

In: -3.874+/-0.019 χ^2/NDF:857708.6/56

Out: -3.626+/-0.019 χ^2/NDF:812824.3/58

All: -3.749+/-0.013 χ^2/NDF: 1670620.7/115

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -26.775+/-0.329 χ^2/NDF: 4254.7/34

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

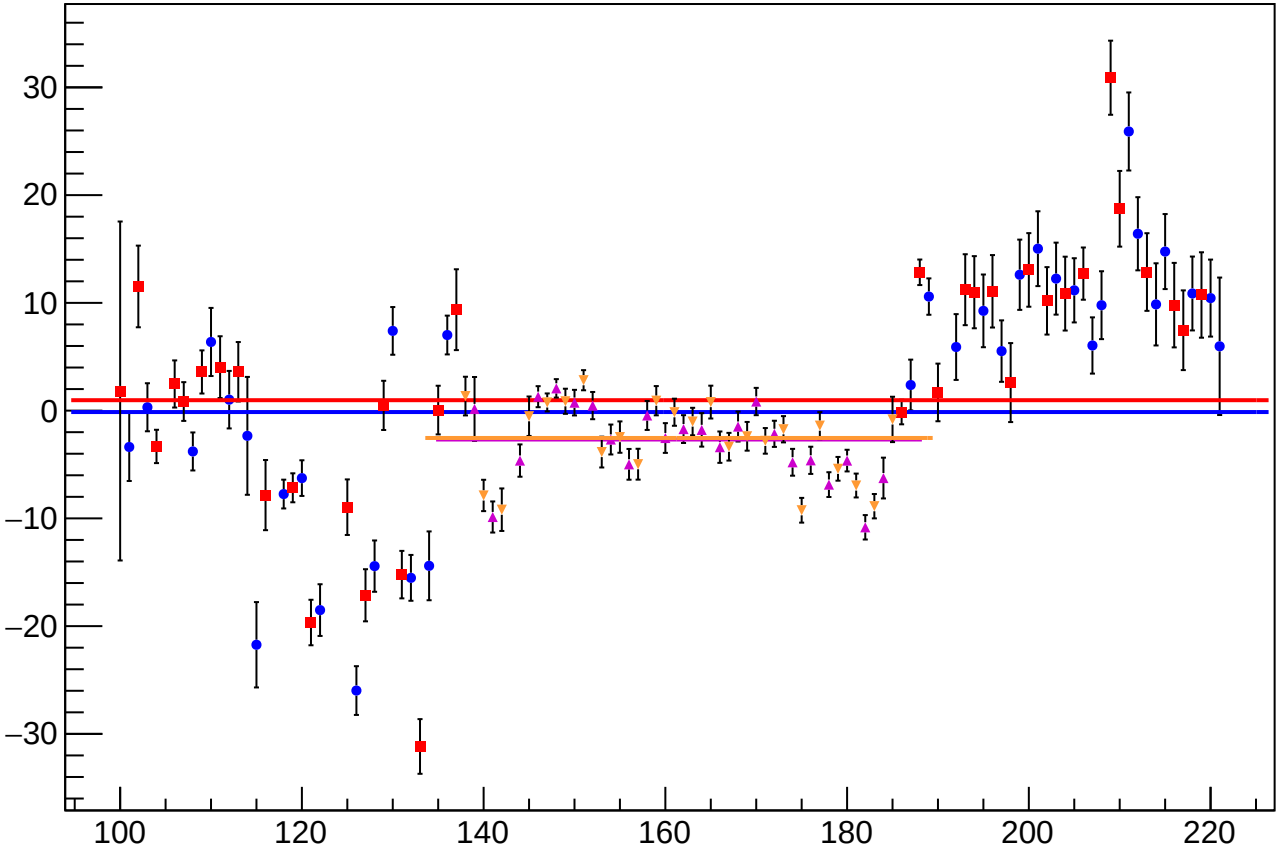
Right: -28.620+/-0.244 χ^2/NDF: 8562.6/68

In: -6.353+/-0.248 χ^2/NDF:16256.4/56

Out: -6.596+/-0.235 χ^2/NDF:15617.2/58

All: -6.481+/-0.170 χ^2/NDF: 31874.1/115

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: 0.968+/-0.396 χ^2/NDF: 758.3/34

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

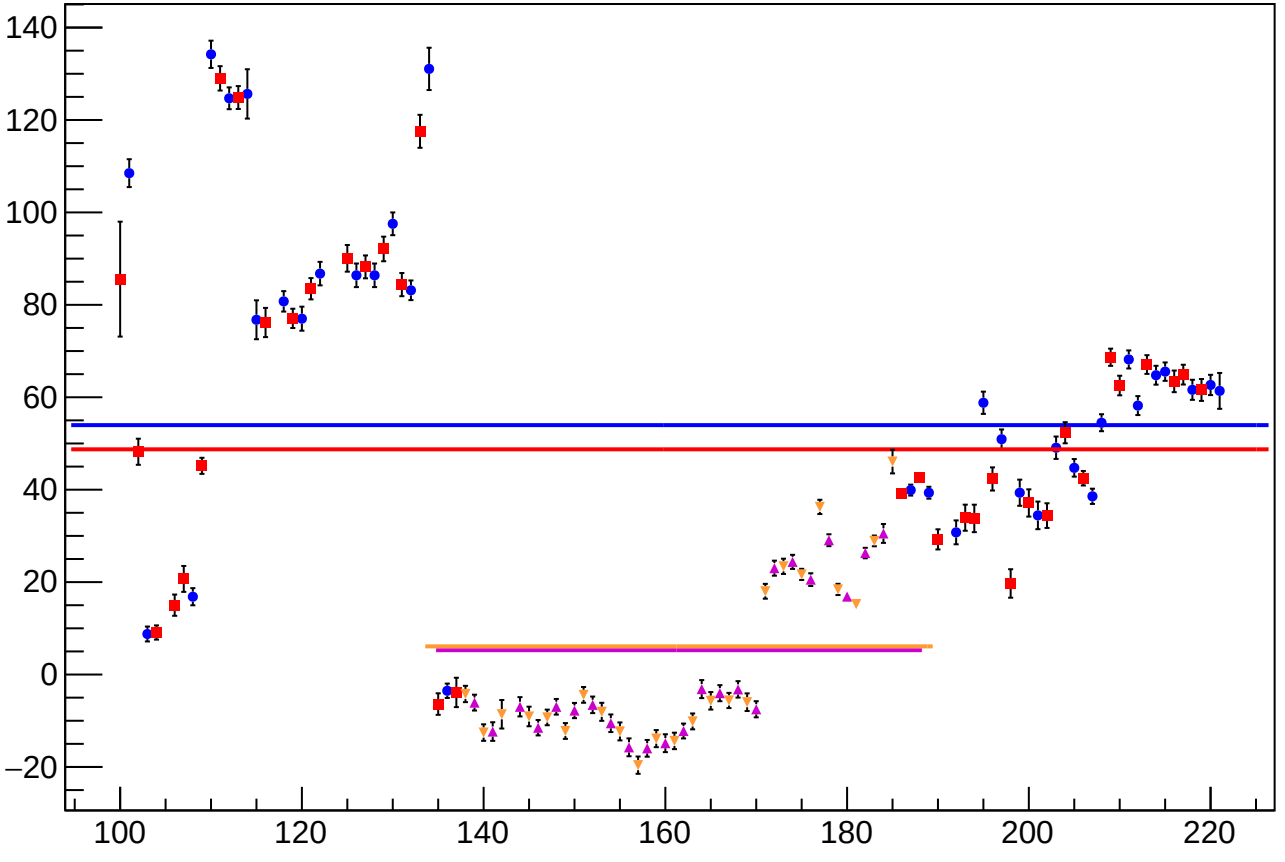
Right: 0.472+/-0.293 χ^2/NDF: 1428.2/68

In: -1.996+/-0.226 χ^2/NDF:873.3/56

Out: -1.488+/-0.217 χ^2/NDF:1011.6/58

All: -1.731+/-0.157 χ^2/NDF: 1887.6/115

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: 48.734+/-0.319 χ^2/NDF: 6380.3/34

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

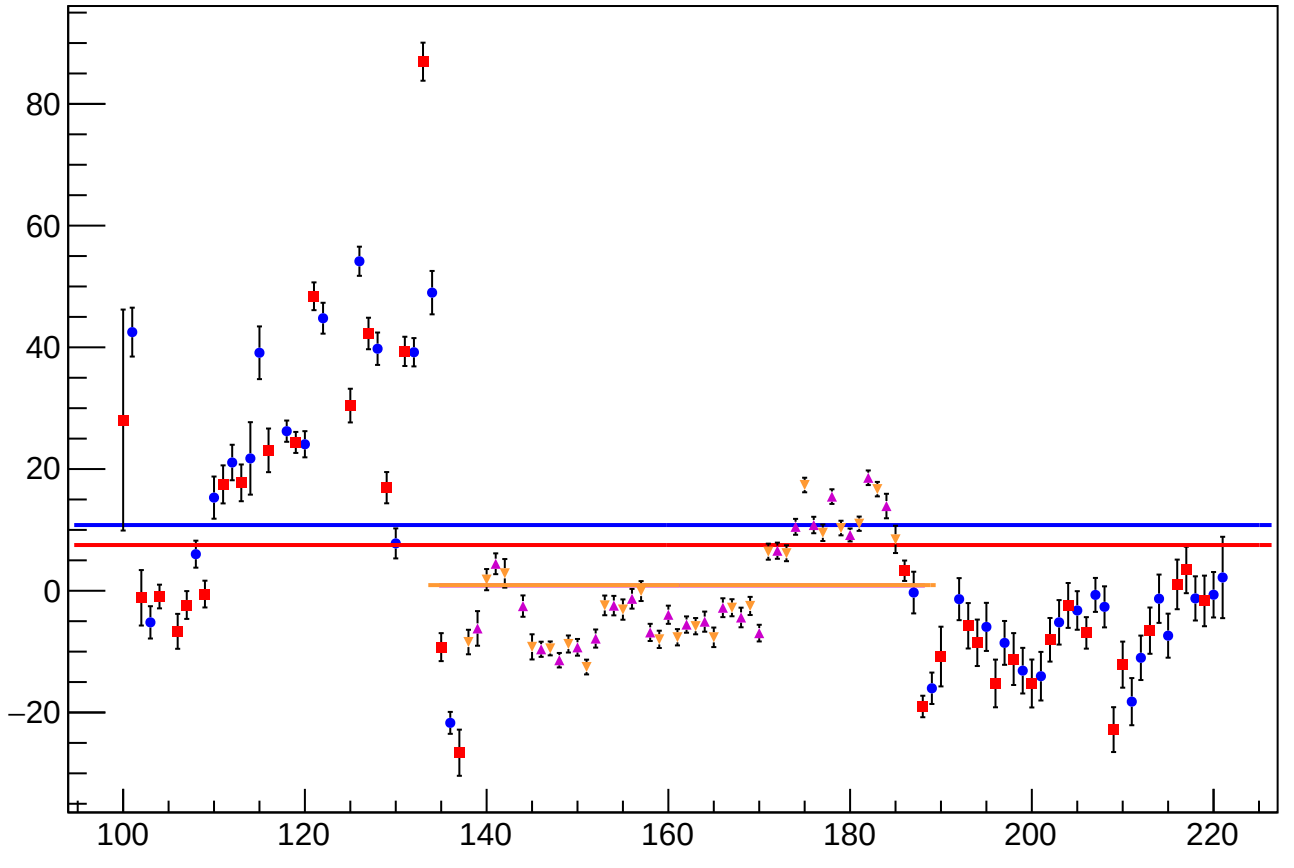
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 51.006+/-0.240 χ^2/NDF: 13411.5/68

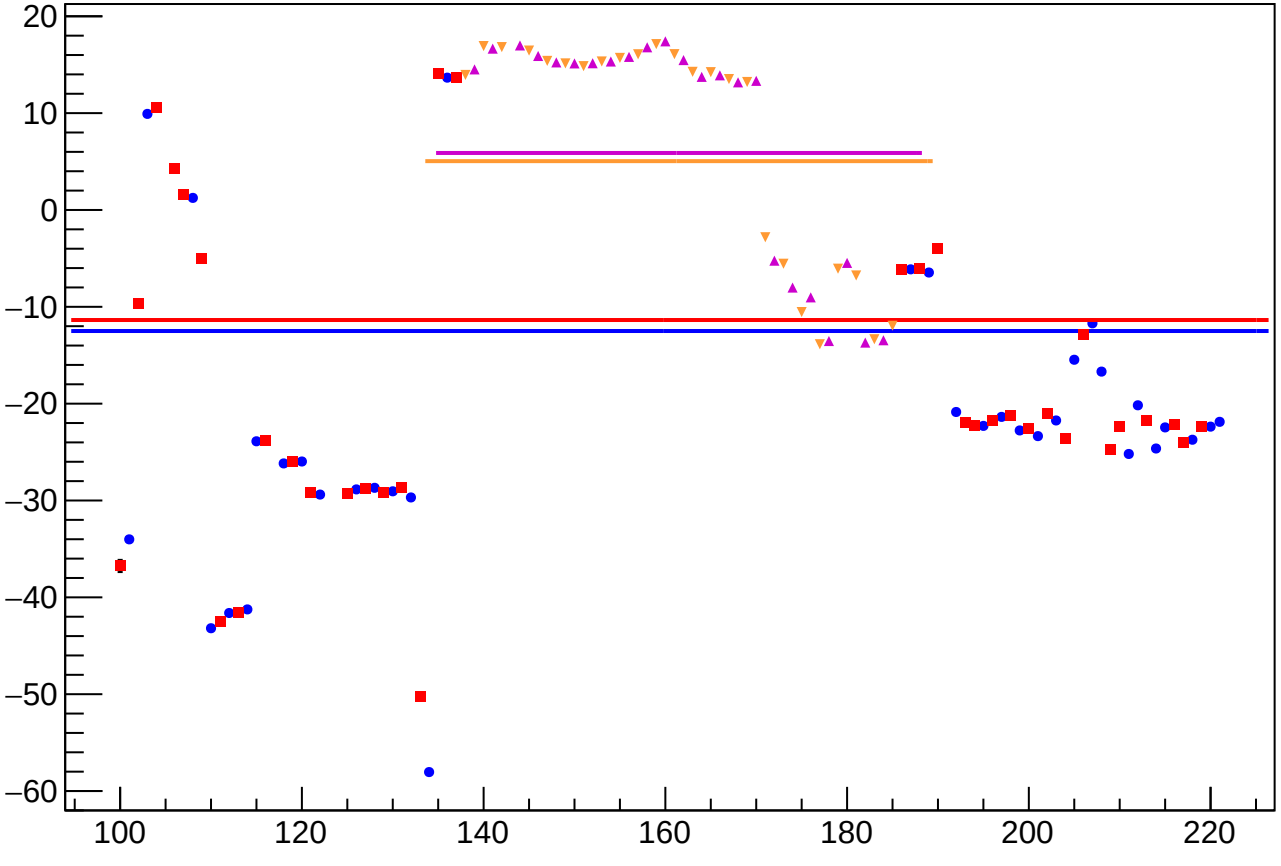
In: 27.675+/-0.247 χ^2/NDF:19000.5/56

Out: 28.309+/-0.230 χ^2/NDF:17702.9/58

All: 28.014+/-0.169 χ^2/NDF: 36706.9/115


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
120
140
160
180
200
220
Right In: 10.799+/-0.508 χ²/NDF: 1973.2/33
Left Out: 0.929+/-0.292 χ²/NDF:1041.7/23
Right Out: 7.516+/-0.479 χ²/NDF: 2290.9/34
Left In: 0.878+/-0.297 χ²/NDF:1006.0/22
Left: 0.904+/-0.208 χ²/NDF: 2047.7/46
Right: 9.061+/-0.348 χ²/NDF: 4286.2/68
In: 3.409+/-0.257 χ²/NDF:3263.4/56
Out: 2.712+/-0.249 χ²/NDF:3470.5/58
All: 3.051+/-0.179 χ²/NDF: 6737.7/115

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: -11.363+/-0.023 χ^2/NDF: 429506.2/34

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

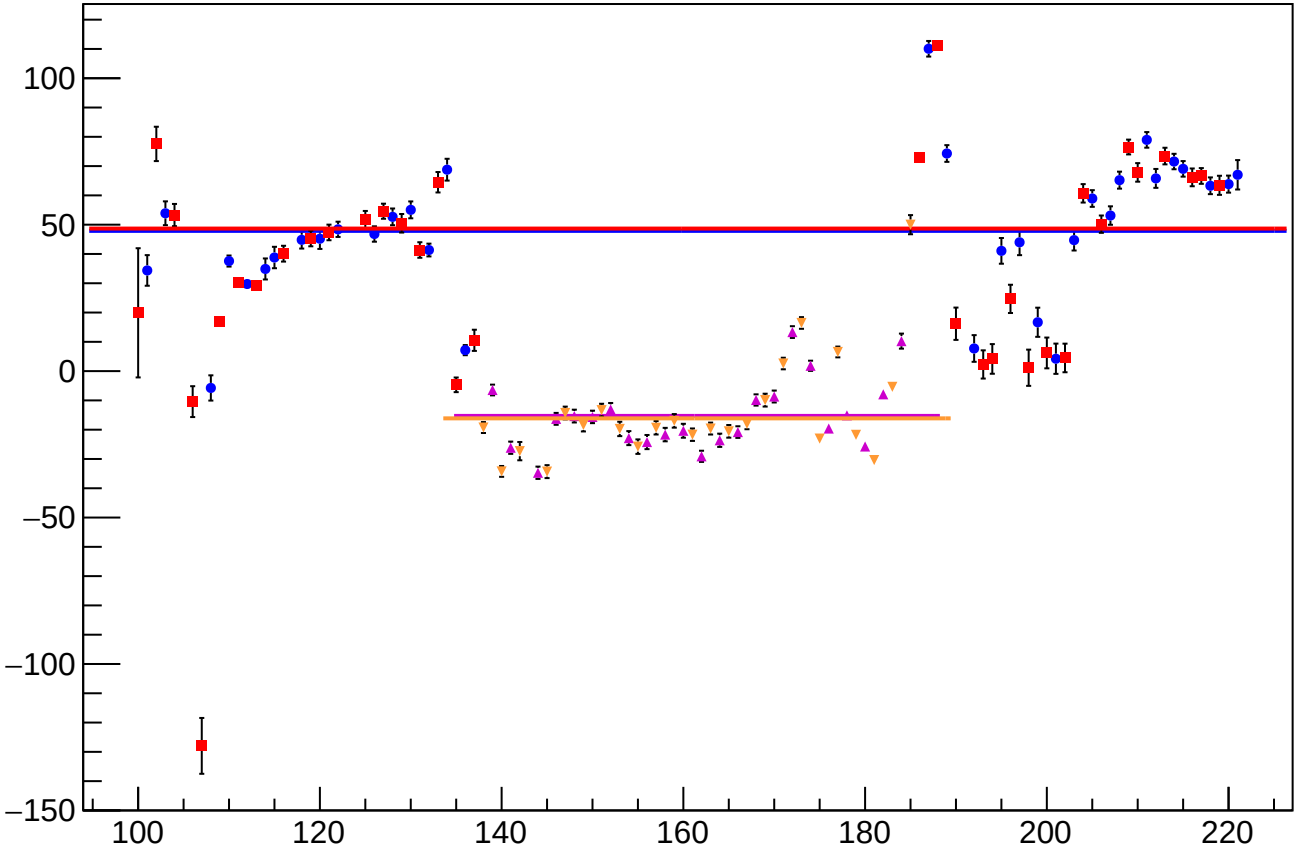
Right: -11.921+/-0.017 χ^2/NDF: 940249.2/68

In: 1.528+/-0.011 χ^2/NDF:1819411.8/56

Out: 1.087+/-0.011 χ^2/NDF:1665386.0/58

All: 1.306+/-0.008 χ^2/NDF: 3485544.0/115

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 48.668+/-0.472 χ^2/NDF: 4487.5/34

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

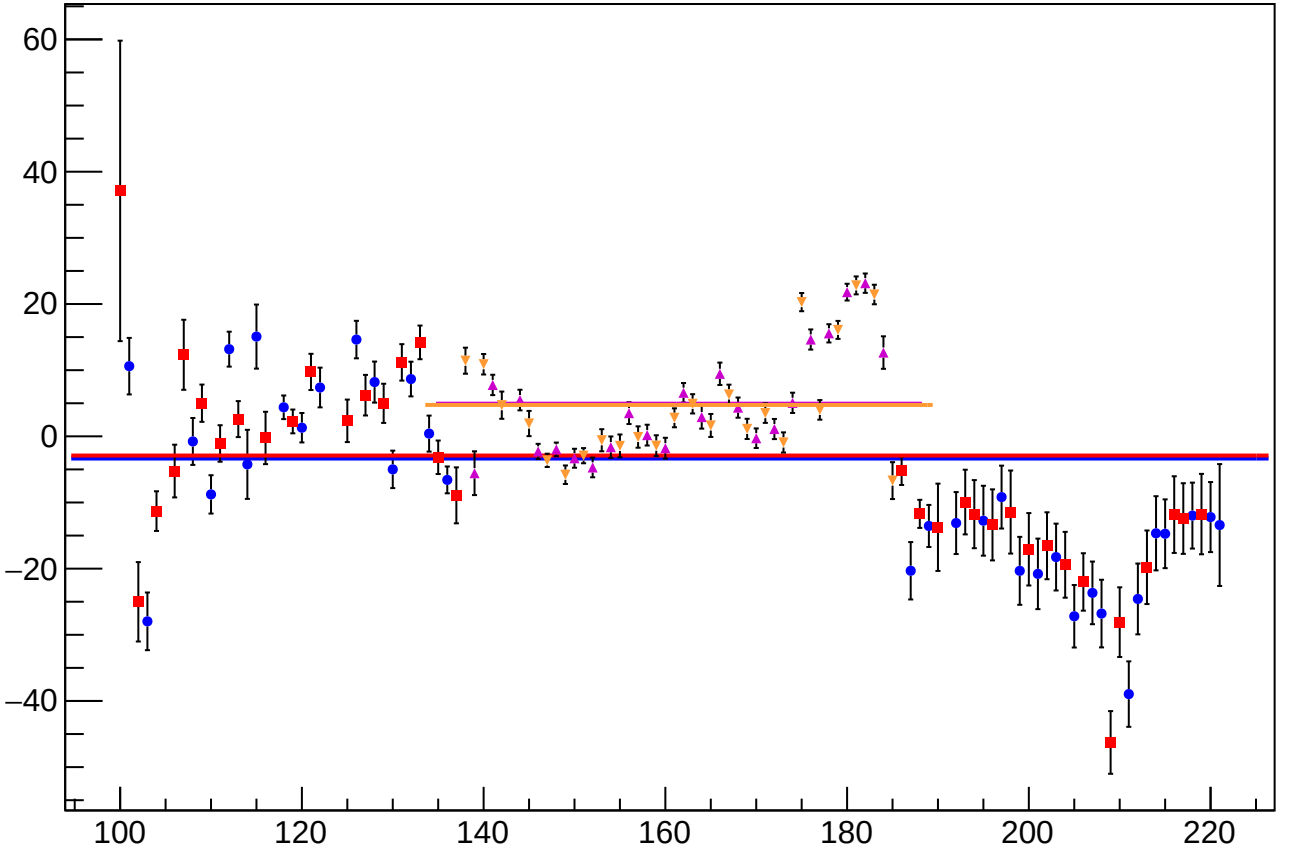
Right: 48.299+/-0.342 χ^2/NDF: 6692.8/68

In: 9.747+/-0.313 χ^2/NDF:12696.8/56

Out: 10.796+/-0.304 χ^2/NDF:16873.6/58

All: 10.287+/-0.218 χ^2/NDF: 29576.2/115

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: -2.902+/-0.584 χ^2/NDF: 367.4/34

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

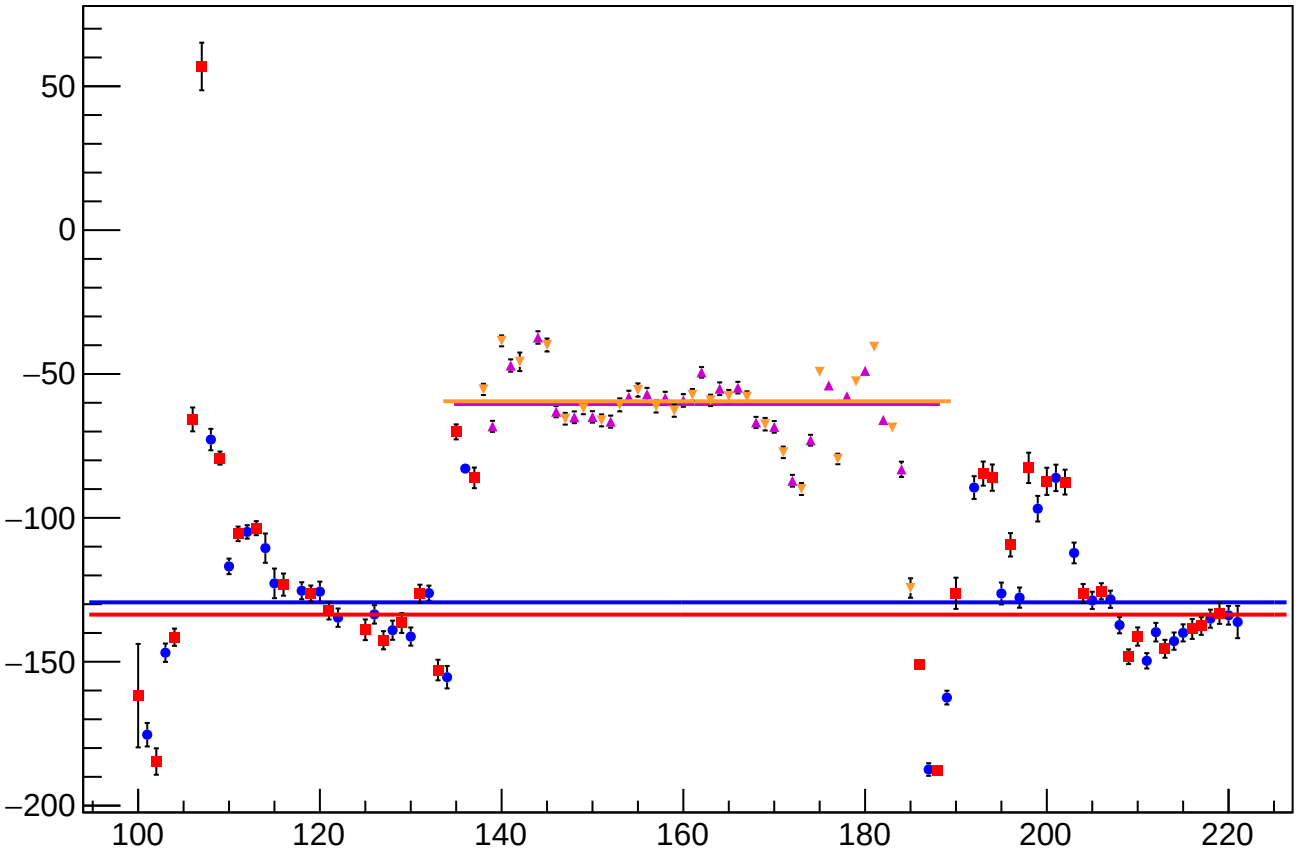
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -3.122+/-0.418 χ^2/NDF: 797.0/68

In: 3.160+/-0.277 χ^2/NDF:1267.9/56

Out: 3.092+/-0.271 χ^2/NDF:1295.6/58

All: 3.125+/-0.194 χ^2/NDF: 2563.6/115



Right In: -129.358+/-0.531 χ^2/NDF: 2591.8/33

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -133.620+/-0.494 χ^2/NDF: 5389.1/34

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

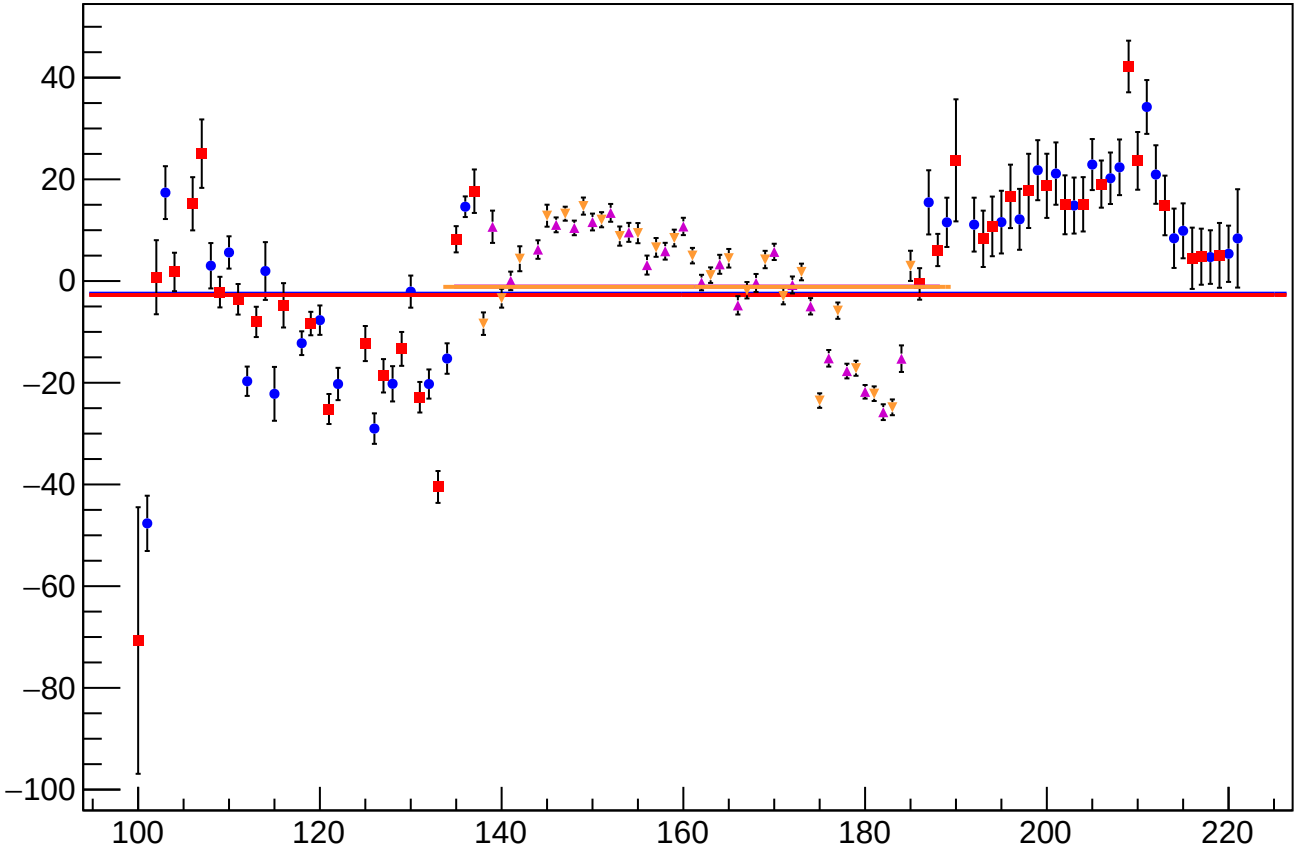
Right: -131.644+/-0.362 χ^2/NDF: 8015.5/68

In: -85.351+/-0.319 χ^2/NDF:14019.5/56

Out: -88.410+/-0.308 χ^2/NDF:20513.5/58

All: -86.933+/-0.222 χ^2/NDF: 34580.6/115

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: -2.740+/-0.680 χ^2/NDF: 584.0/34

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

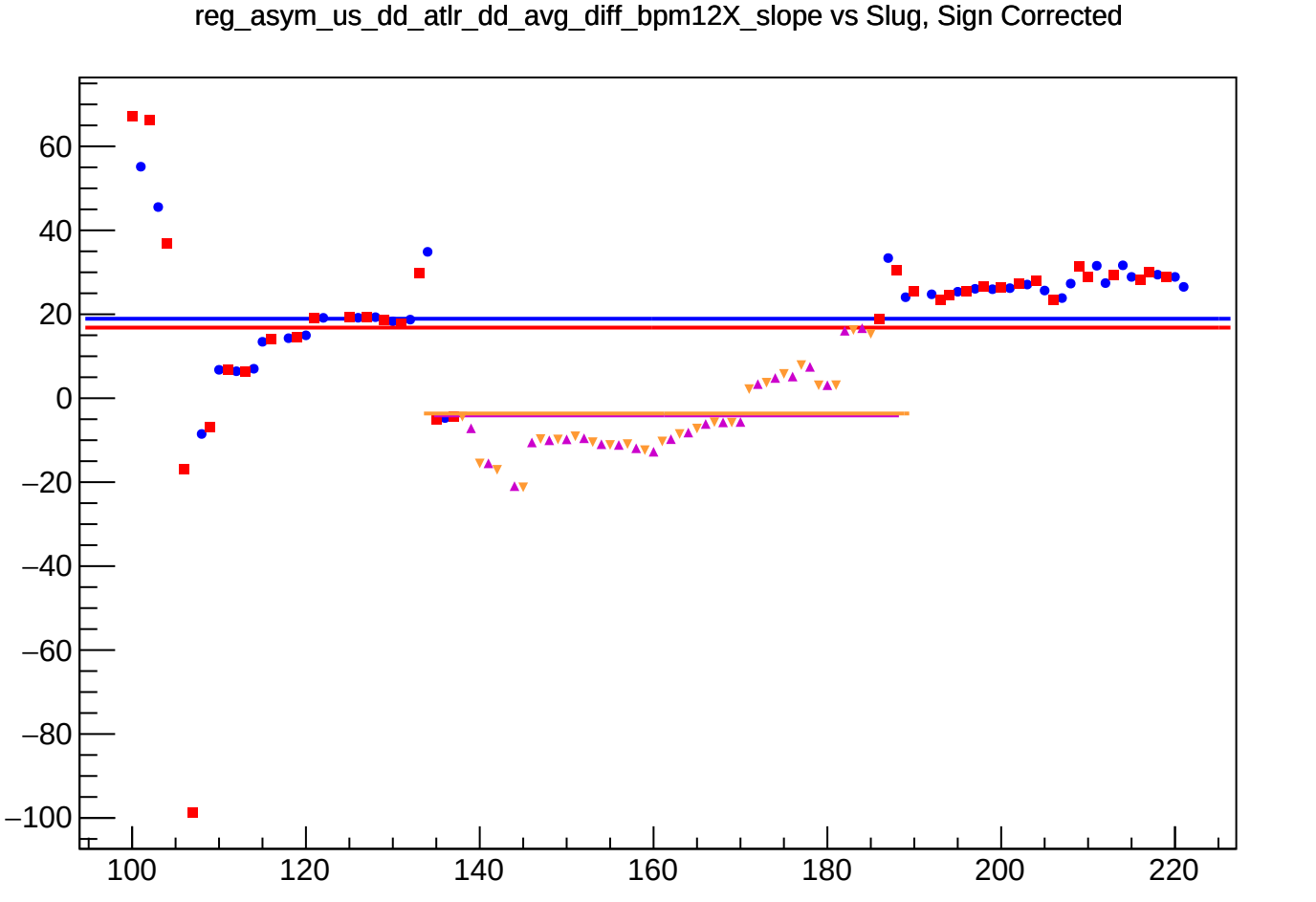
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -2.614+/-0.482 χ^2/NDF: 1230.3/68

In: -1.377+/-0.313 χ^2/NDF:1807.0/56

Out: -1.472+/-0.308 χ^2/NDF:1891.3/58

All: -1.425+/-0.219 χ^2/NDF: 3698.3/115



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: 16.824+/-0.035 χ^2/NDF: 355843.2/34

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

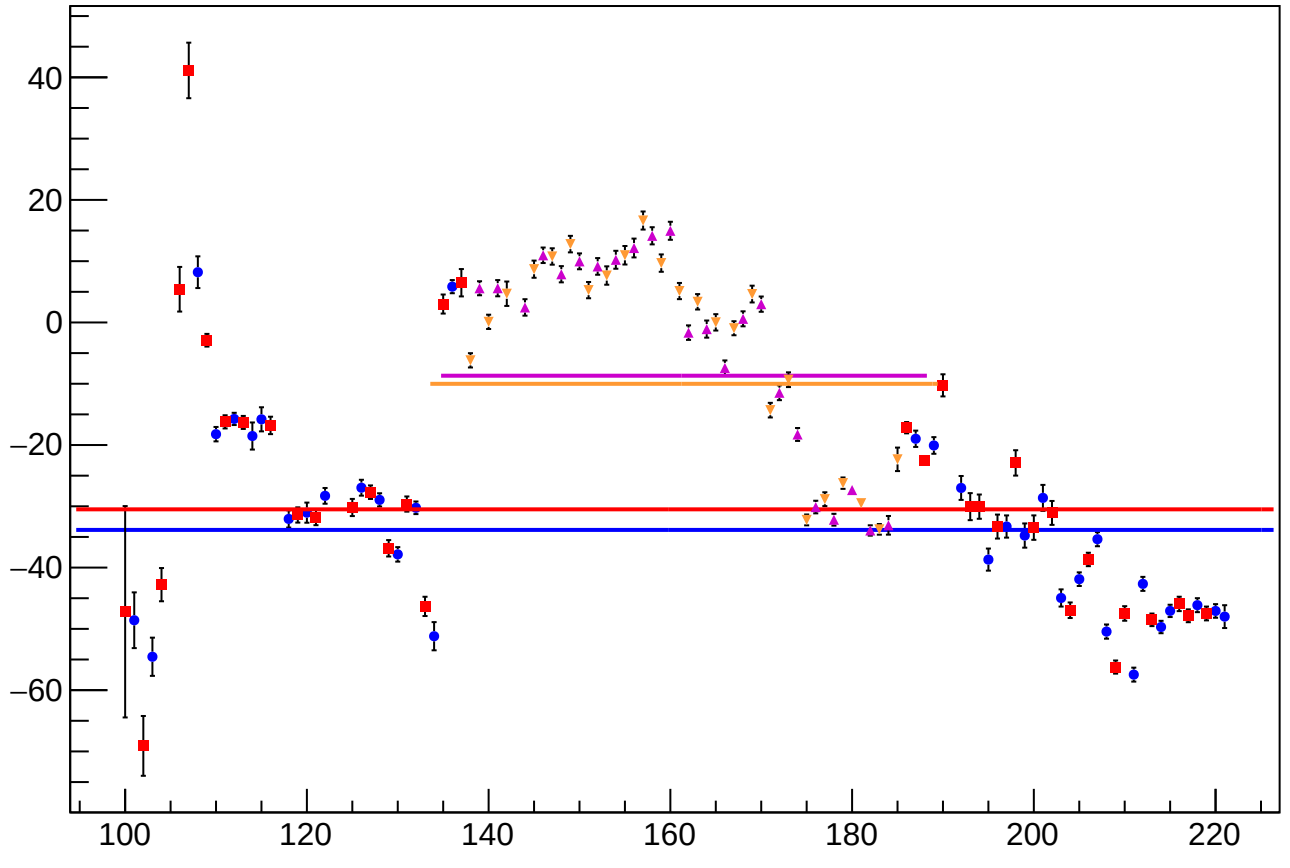
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.897+/-0.025 χ^2/NDF: 578817.0/68

In: -0.221+/-0.014 χ^2/NDF:923877.8/56

Out: -0.319+/-0.014 χ^2/NDF:986217.6/58

All: -0.270+/-0.010 χ^2/NDF: 1910119.5/115



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: -30.496+/-0.227 χ^2/NDF: 4908.9/34

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

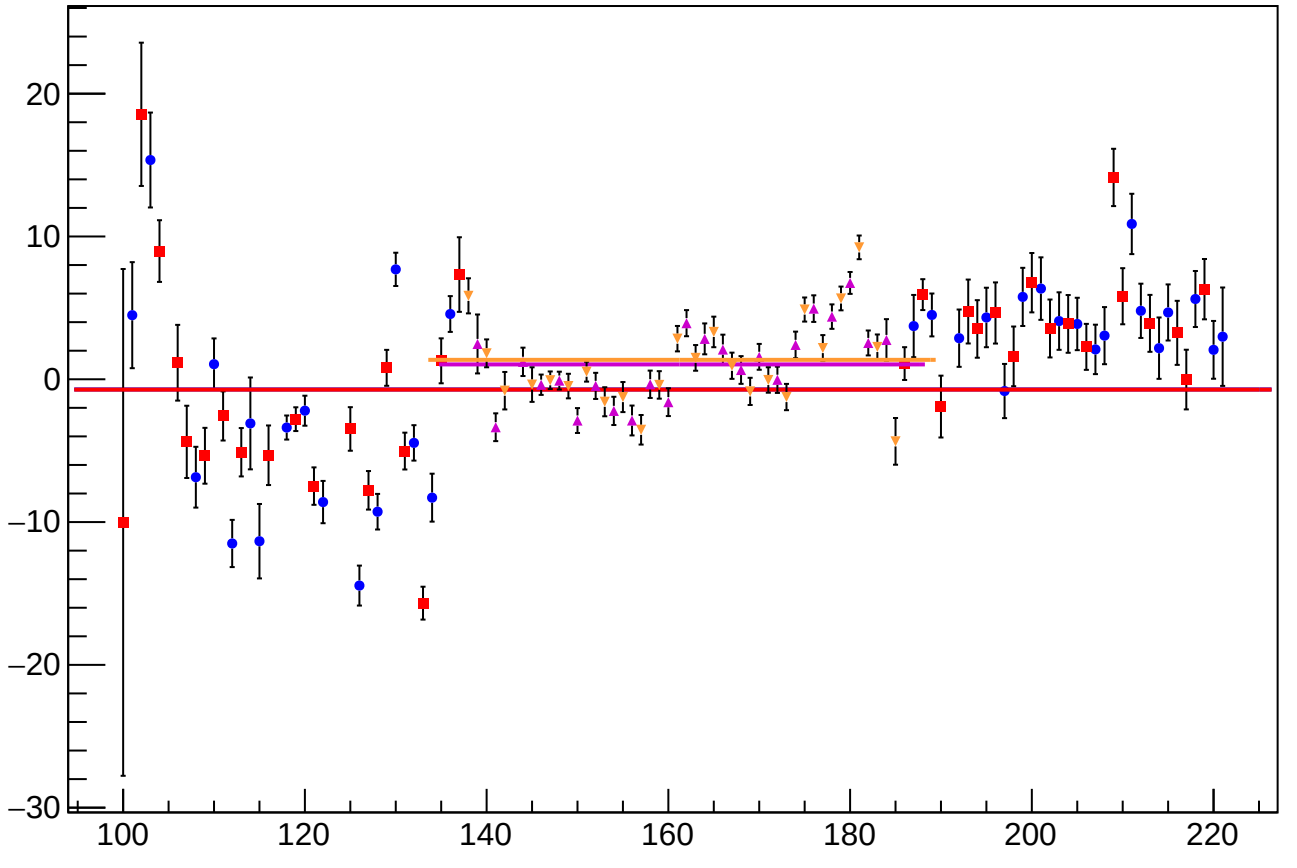
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -32.150+/-0.162 χ^2/NDF: 9291.6/68

In: -22.161+/-0.169 χ^2/NDF:14823.9/56

Out: -20.986+/-0.166 χ^2/NDF:13651.4/58

All: -21.565+/-0.119 χ^2/NDF: 28499.9/115



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: -0.725+/-0.283 χ^2/NDF: 482.3/34

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

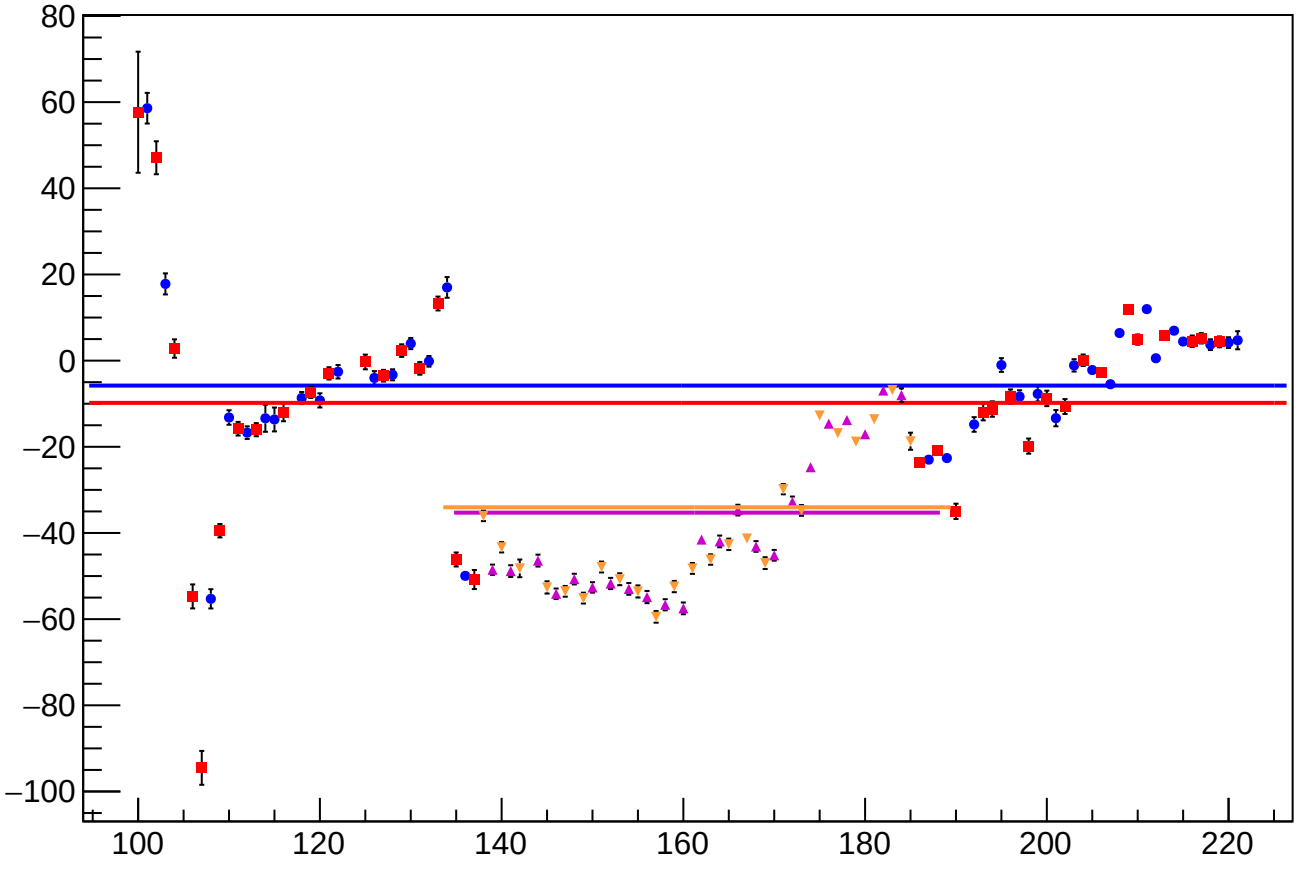
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -0.719+/-0.201 χ^2/NDF: 985.1/68

In: 0.497+/-0.160 χ^2/NDF:724.6/56

Out: 0.720+/-0.157 χ^2/NDF:760.4/58

All: 0.610+/-0.112 χ^2/NDF: 1486.0/115



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: -9.802+/-0.234 χ^2/NDF: 4774.9/34

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

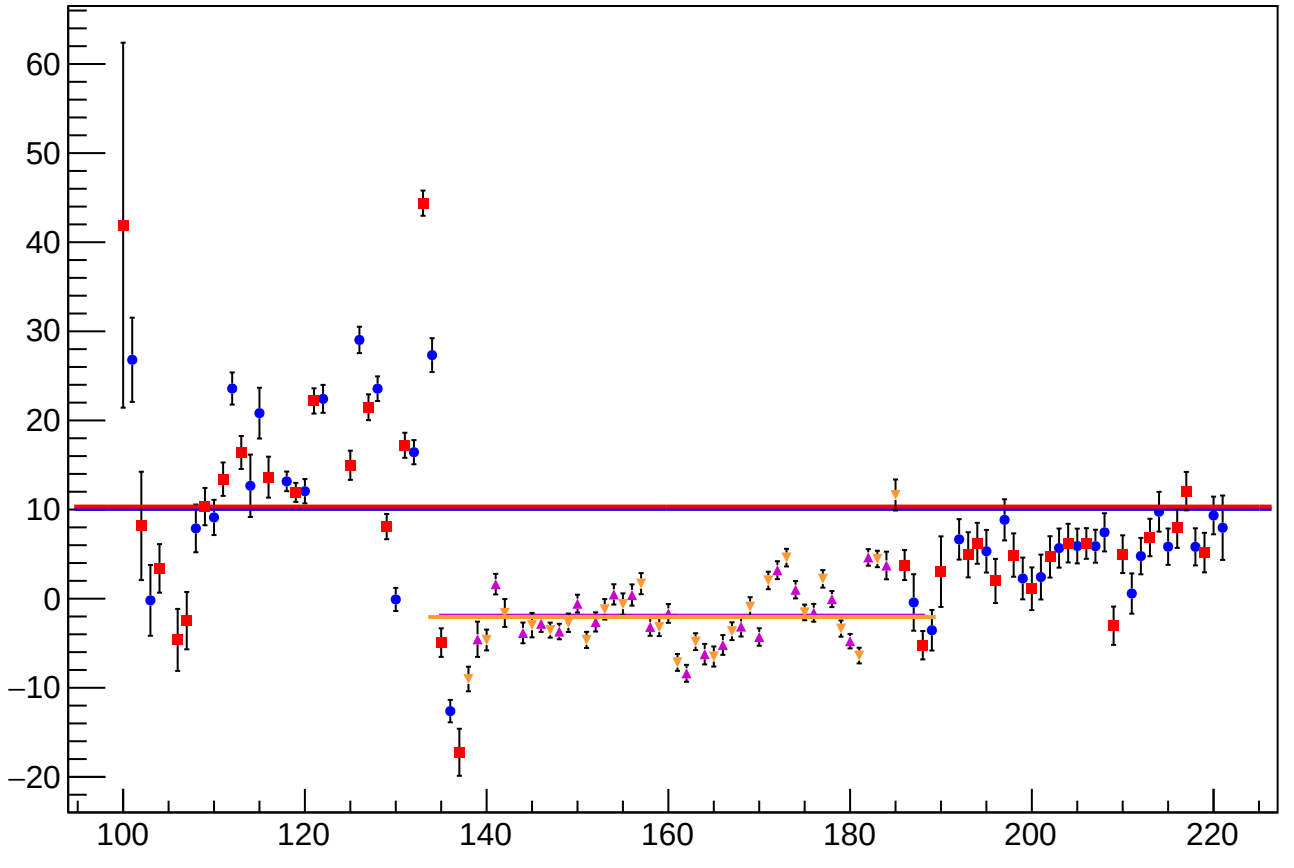
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -7.875+/-0.169 χ^2/NDF: 9037.2/68

In: -20.425+/-0.173 χ^2/NDF:16395.7/56

Out: -21.498+/-0.169 χ^2/NDF:14905.8/58

All: -20.975+/-0.121 χ^2/NDF: 31321.3/115



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: 10.333+/-0.329 χ^2/NDF: 1226.1/34

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

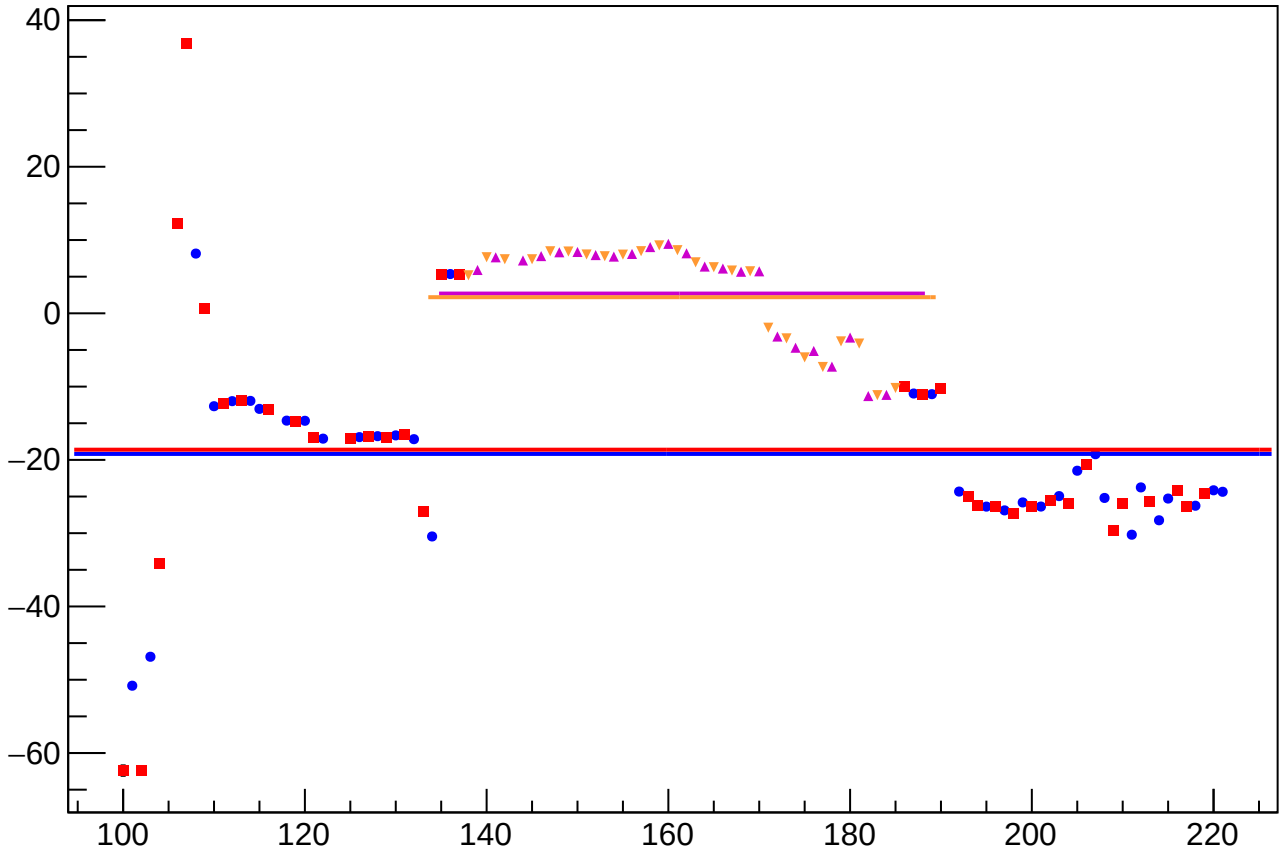
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.205+/-0.232 χ^2/NDF: 2264.1/68

In: 1.750+/-0.180 χ^2/NDF:2196.9/56

Out: 1.588+/-0.178 χ^2/NDF:2563.0/58

All: 1.668+/-0.127 χ^2/NDF: 4760.3/115



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: -18.608+/-0.017 χ^2/NDF: 617372.7/34

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

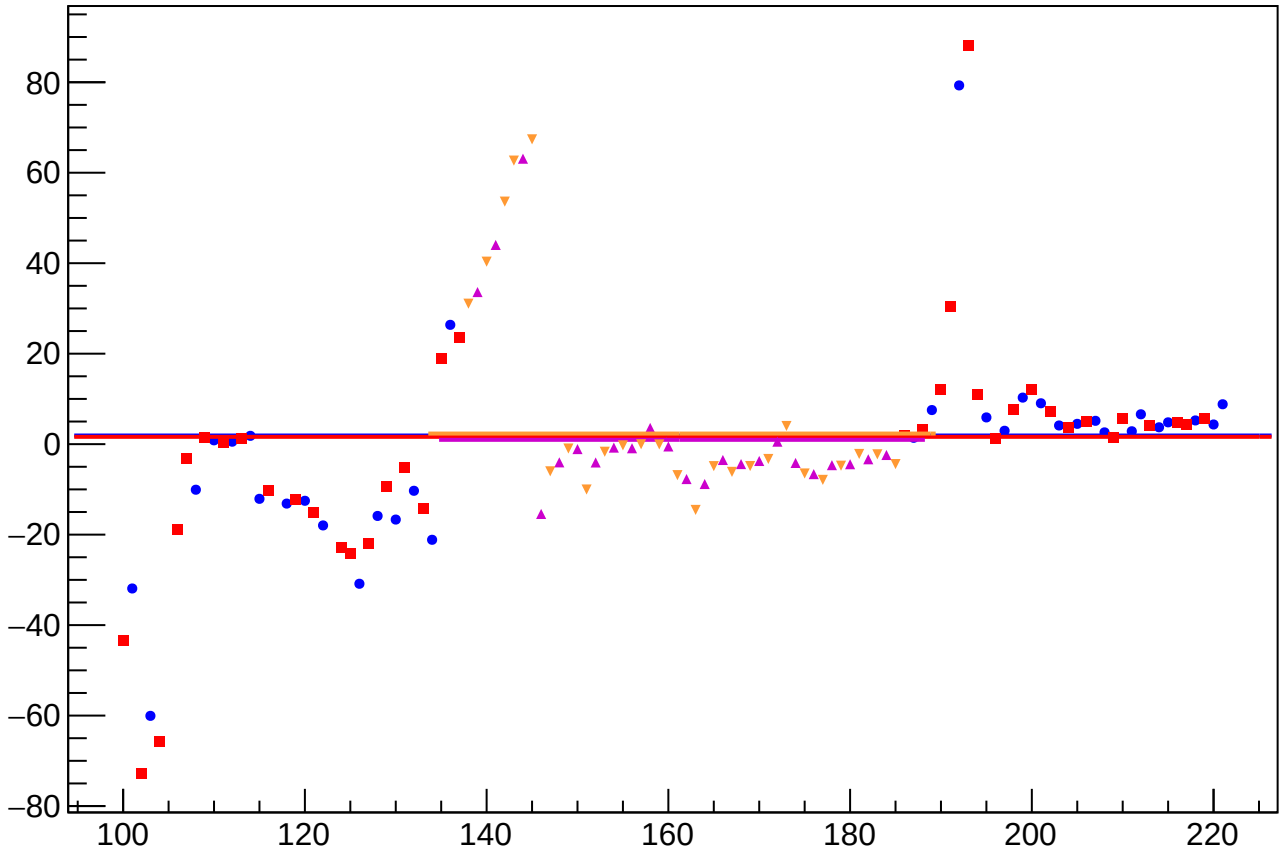
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.900+/-0.012 χ^2/NDF: 1155224.5/68

In: -2.822+/-0.008 χ^2/NDF:2358636.8/56

Out: -2.923+/-0.008 χ^2/NDF:2307576.0/58

All: -2.872+/-0.006 χ^2/NDF: 4666287.4/115



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: 1.620+/-0.031 χ^2/NDF: 122903.0/36

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

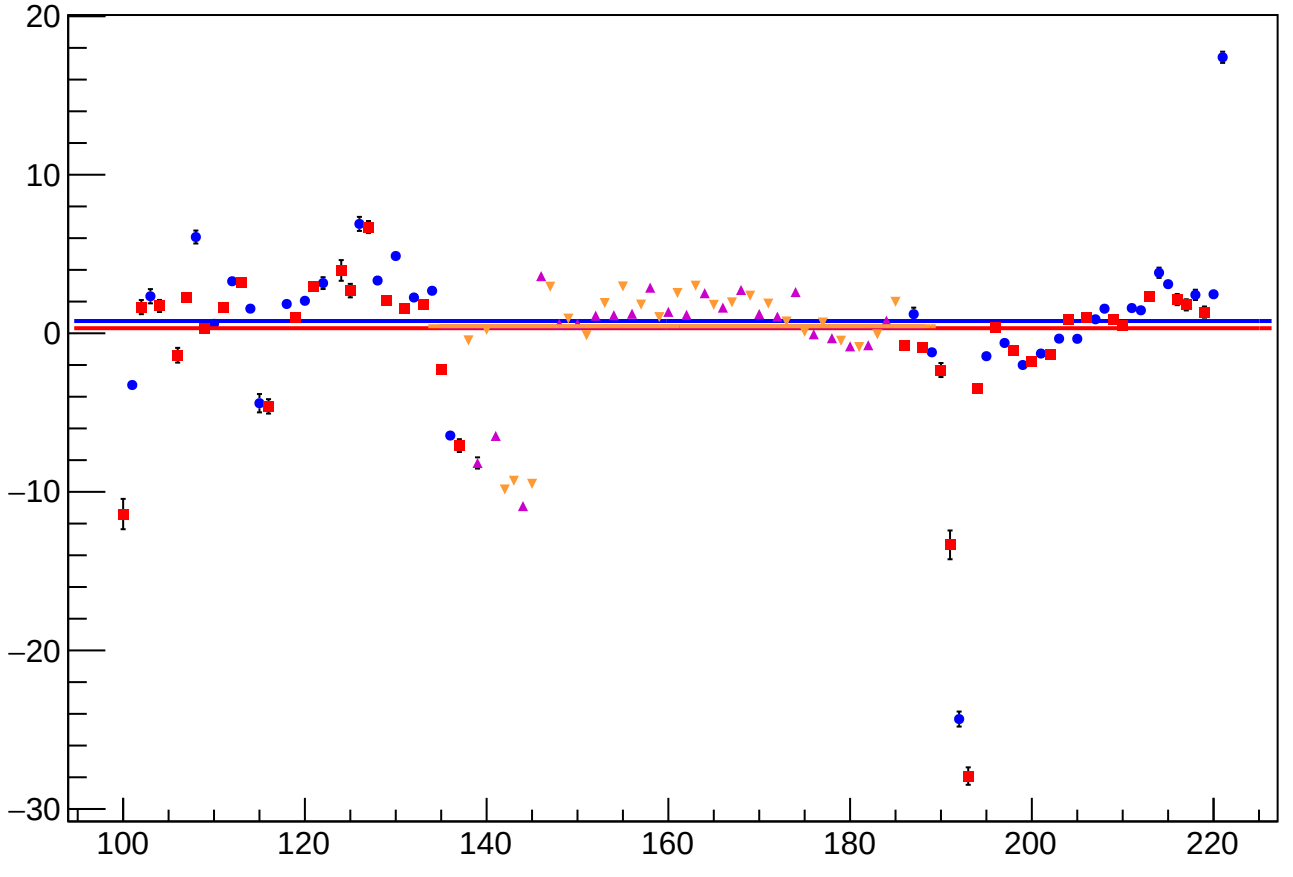
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.756+/-0.023 χ^2/NDF: 246147.2/70

In: 1.519+/-0.026 χ^2/NDF:256059.6/56

Out: 1.892+/-0.025 χ^2/NDF:300089.2/61

All: 1.712+/-0.018 χ^2/NDF: 556258.7/118



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: 0.321+/-0.042 χ^2/NDF: 5206.6/36

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

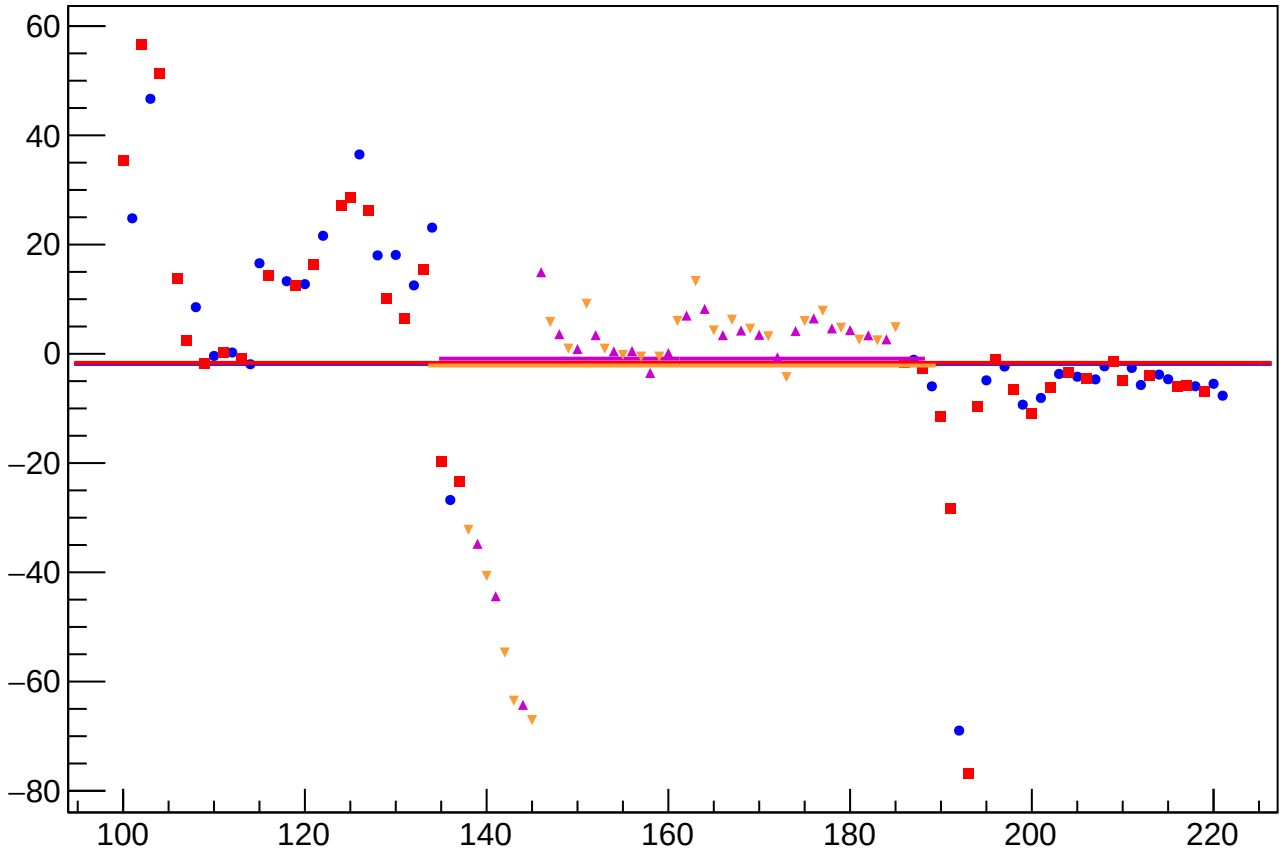
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.541+/-0.030 χ^2/NDF: 13679.1/70

In: 0.547+/-0.025 χ^2/NDF:15560.2/56

Out: 0.398+/-0.026 χ^2/NDF:12256.4/61

All: 0.474+/-0.018 χ^2/NDF: 27833.6/118



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: -1.657+/-0.033 χ^2/NDF: 121410.1/36

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

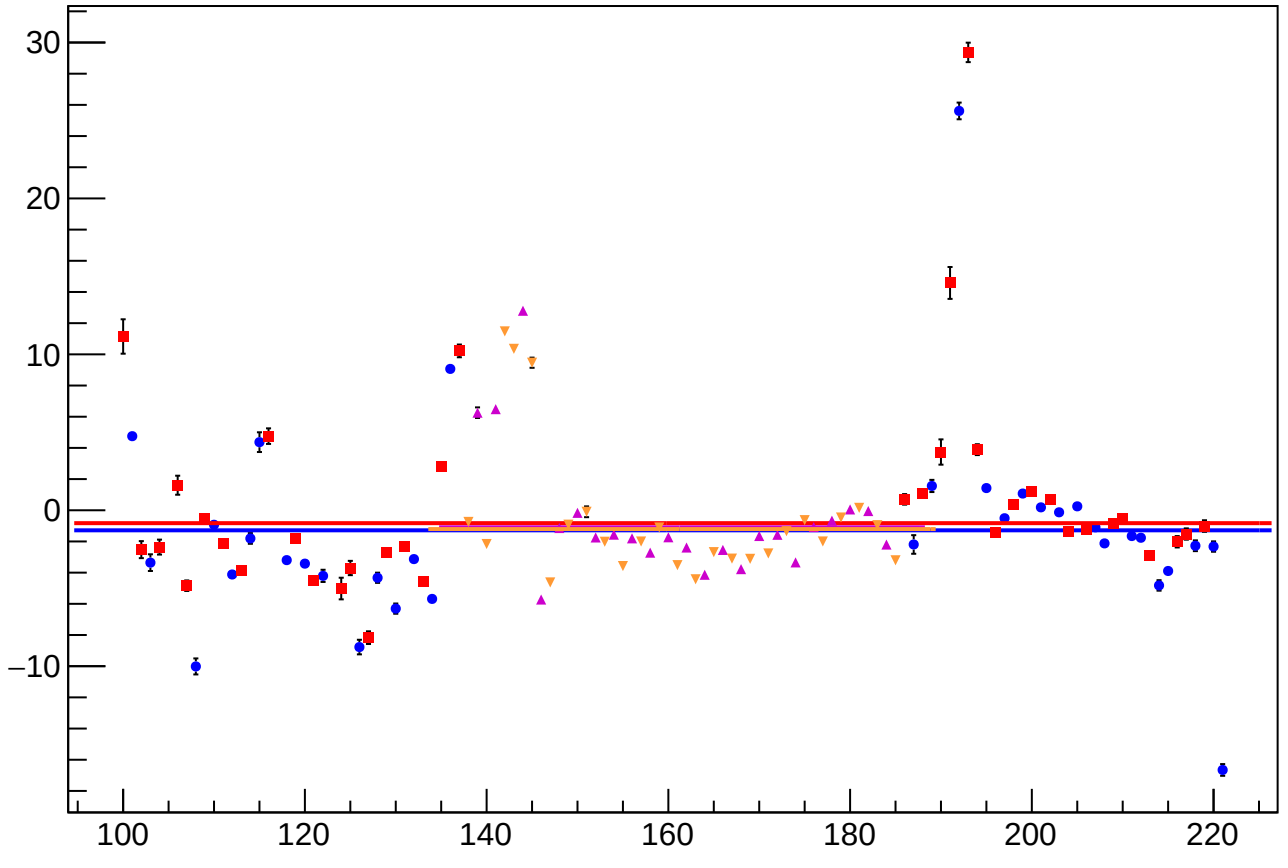
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.741+/-0.024 χ^2/NDF: 242707.5/70

In: -1.417+/-0.026 χ^2/NDF:250810.8/56

Out: -1.854+/-0.026 χ^2/NDF:292768.0/61

All: -1.639+/-0.018 χ^2/NDF: 543722.2/118



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: -0.827+/-0.048 χ^2/NDF: 5674.9/36

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

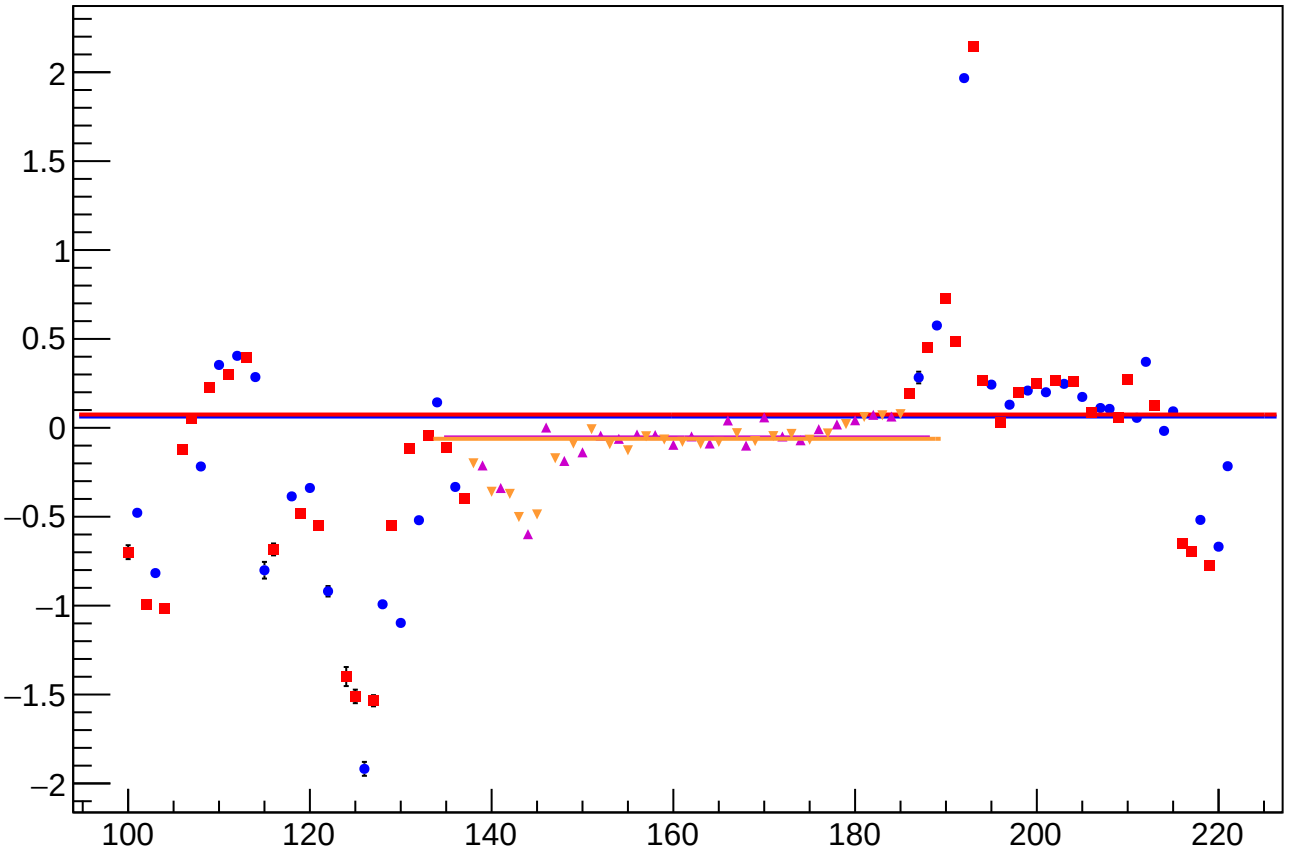
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -1.050+/-0.034 χ^2/NDF: 15055.4/70

In: -1.158+/-0.028 χ^2/NDF:16375.3/56

Out: -1.068+/-0.029 χ^2/NDF:12717.6/61

All: -1.114+/-0.020 χ^2/NDF: 29097.8/118



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: 0.075+/-0.002 χ^2/NDF: 38970.6/36

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

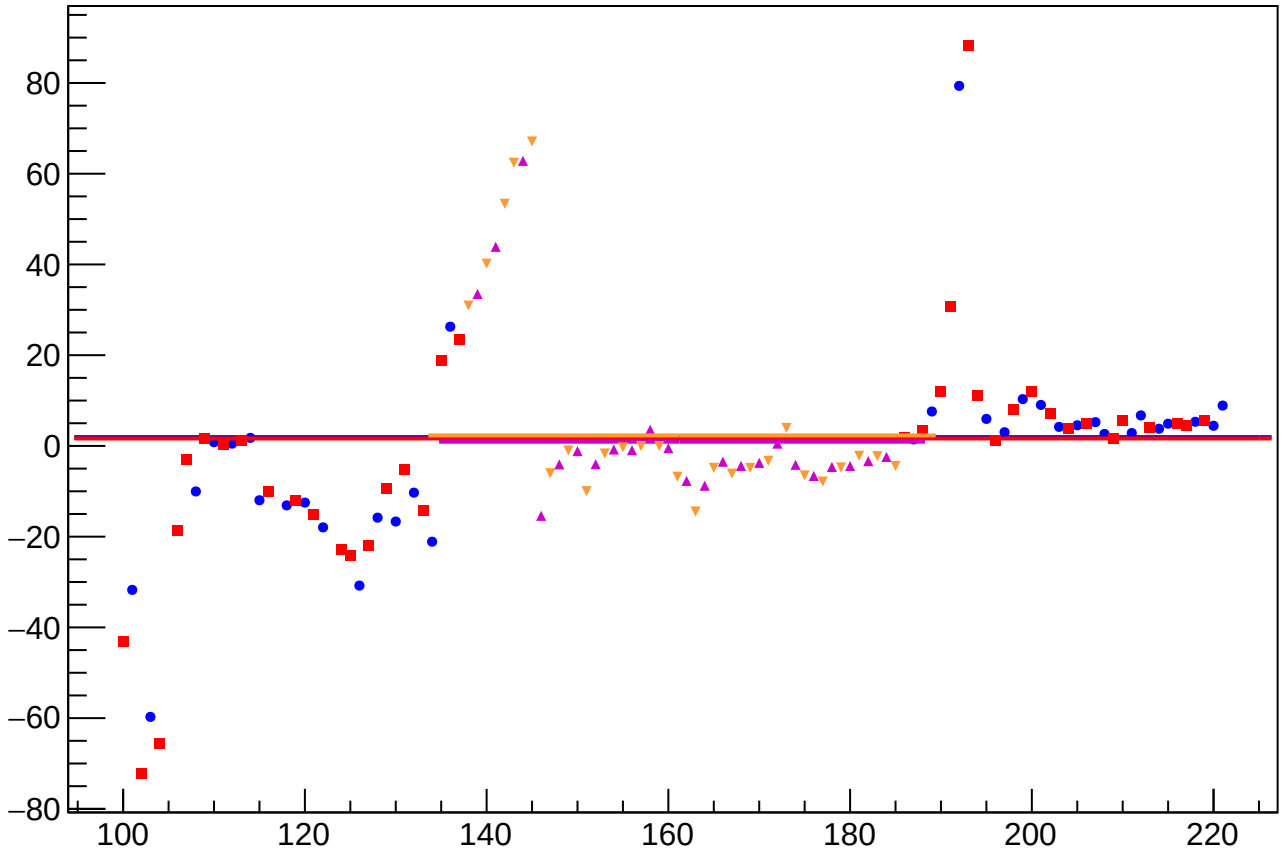
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.069+/-0.002 χ^2/NDF: 75838.9/70

In: -0.018+/-0.001 χ^2/NDF:43792.0/56

Out: -0.015+/-0.001 χ^2/NDF:47197.3/61

All: -0.017+/-0.001 χ^2/NDF: 90990.9/118



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: 1.646+/-0.031 χ^2/NDF: 123540.5/36

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

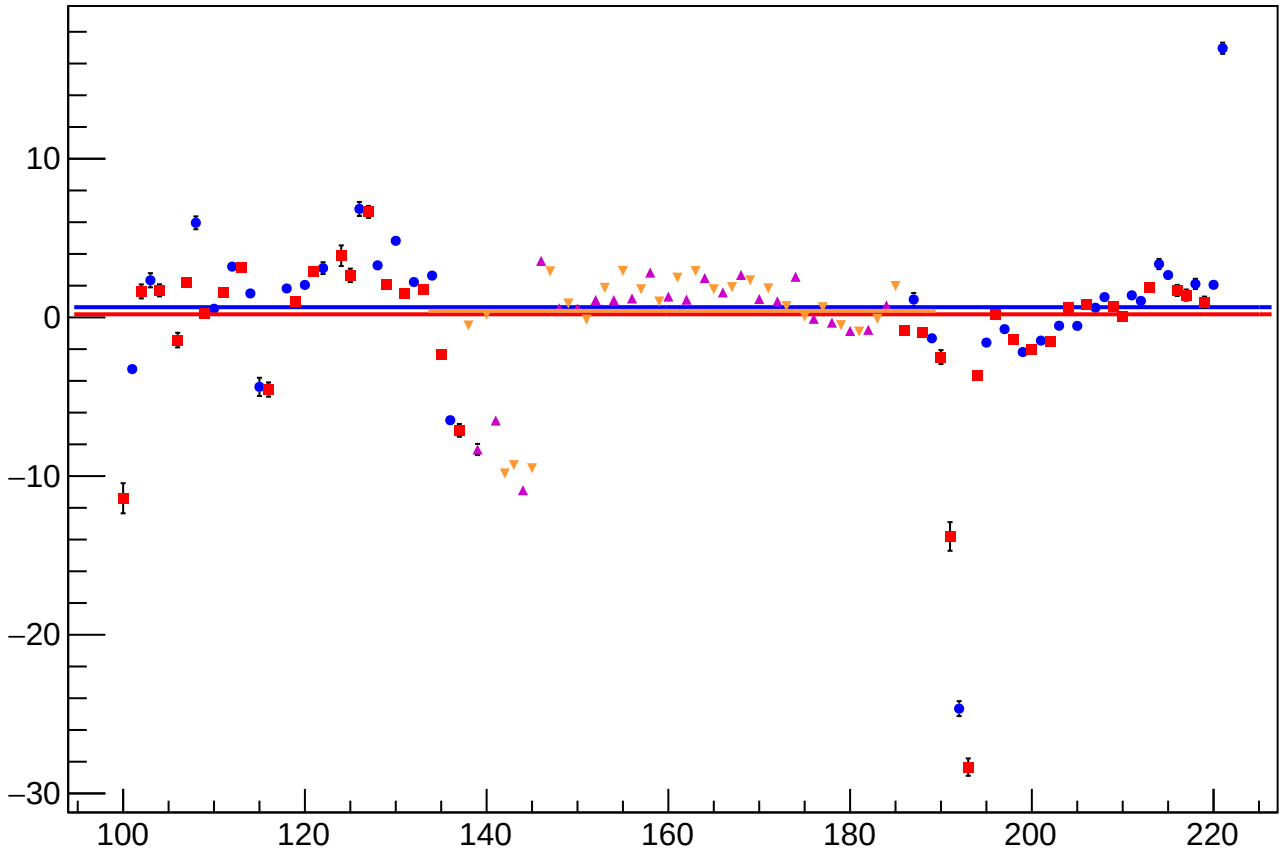
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.783+/-0.023 χ^2/NDF: 247408.5/70

In: 1.528+/-0.025 χ^2/NDF:256606.9/56

Out: 1.898+/-0.025 χ^2/NDF:300462.3/61

All: 1.719+/-0.018 χ^2/NDF: 557178.4/118



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: 0.196+/-0.042 χ^2/NDF: 5335.6/36

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

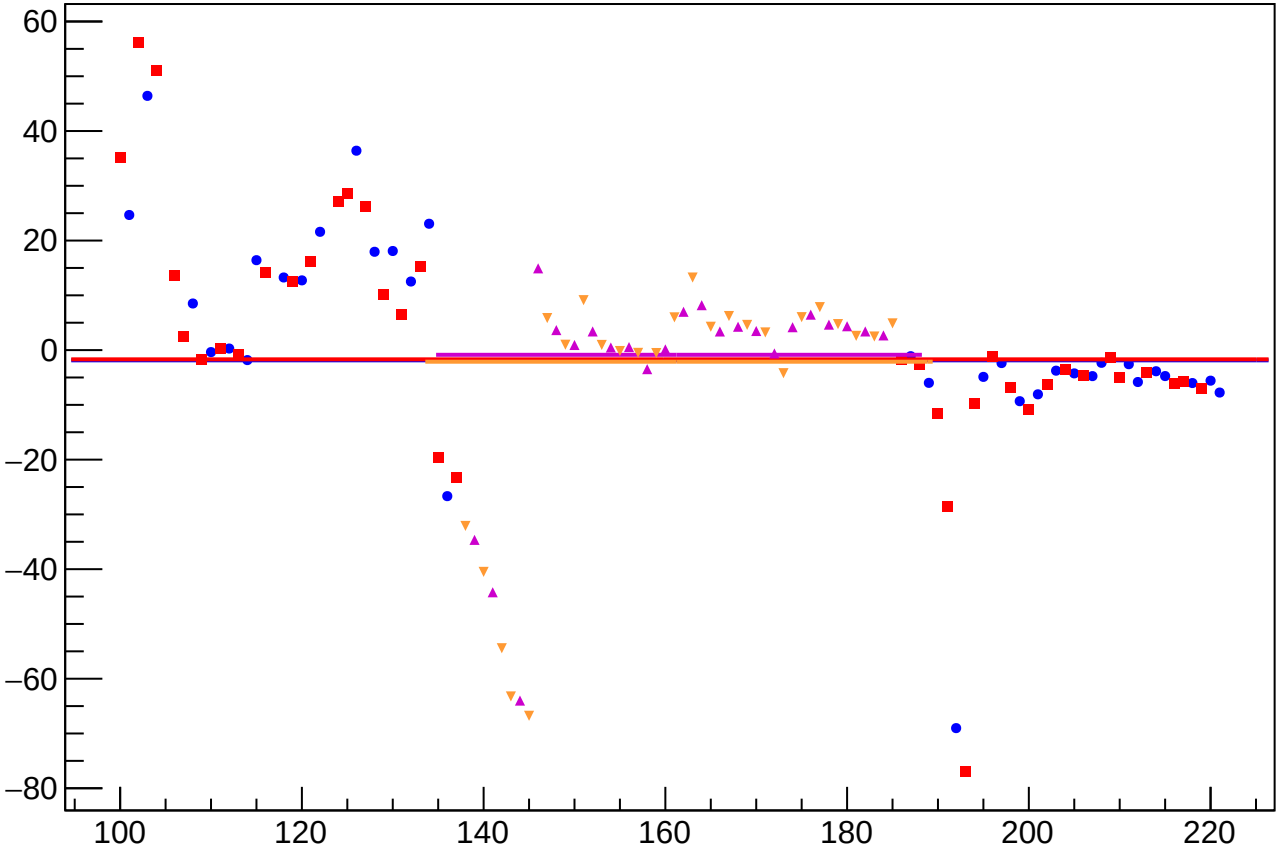
Right: 0.413+/-0.030 χ^2/NDF: 13802.2/70

In: 0.477+/-0.025 χ^2/NDF:15547.7/56

Out: 0.331+/-0.026 χ^2/NDF:12399.7/61

All: 0.405+/-0.018 χ^2/NDF: 27964.0/118

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.687+/-0.033 χ^2/NDF: 122009.1/36

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

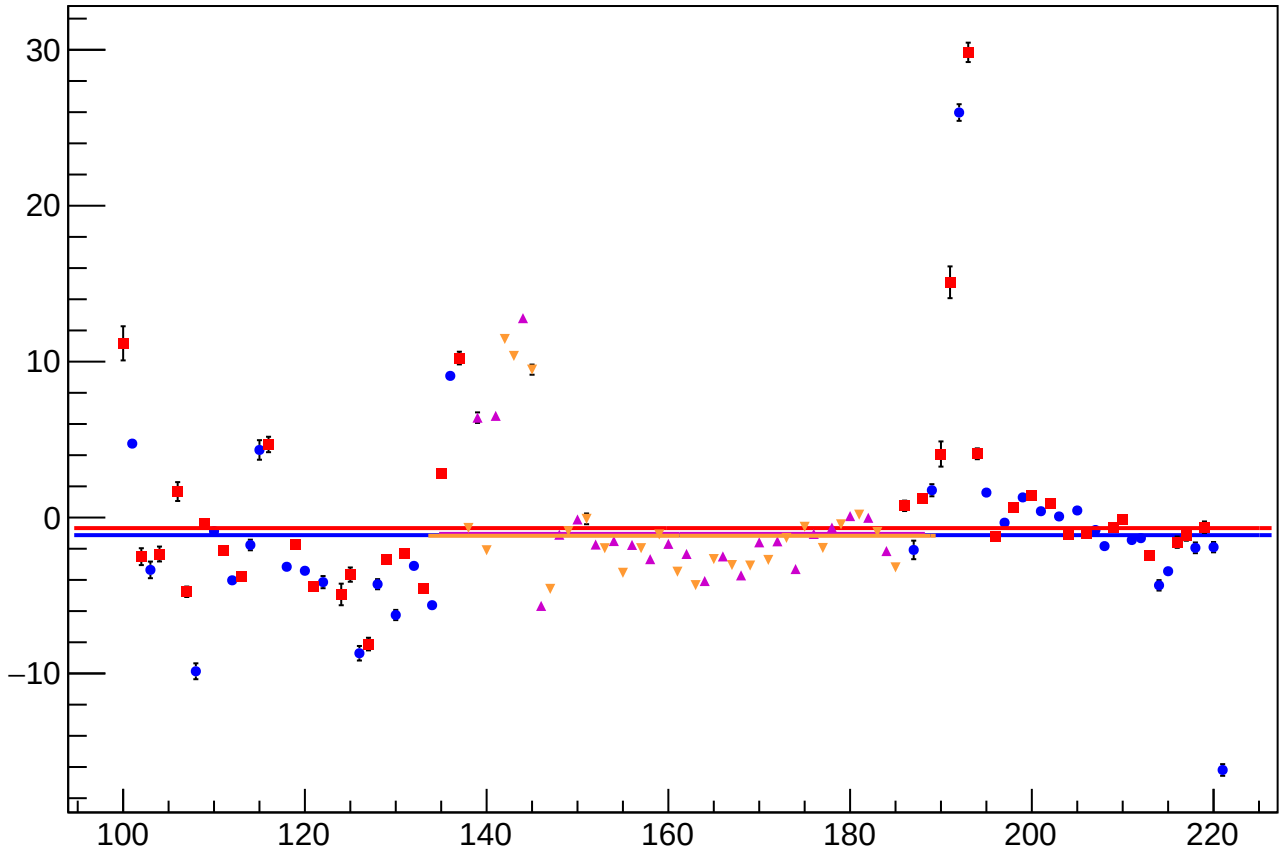
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.772+/-0.024 χ^2/NDF: 243872.0/70

In: -1.426+/-0.026 χ^2/NDF:251305.1/56

Out: -1.861+/-0.025 χ^2/NDF:293118.1/61

All: -1.648+/-0.018 χ^2/NDF: 544566.7/118



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: -0.677+/-0.048 χ^2/NDF: 5813.0/36

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

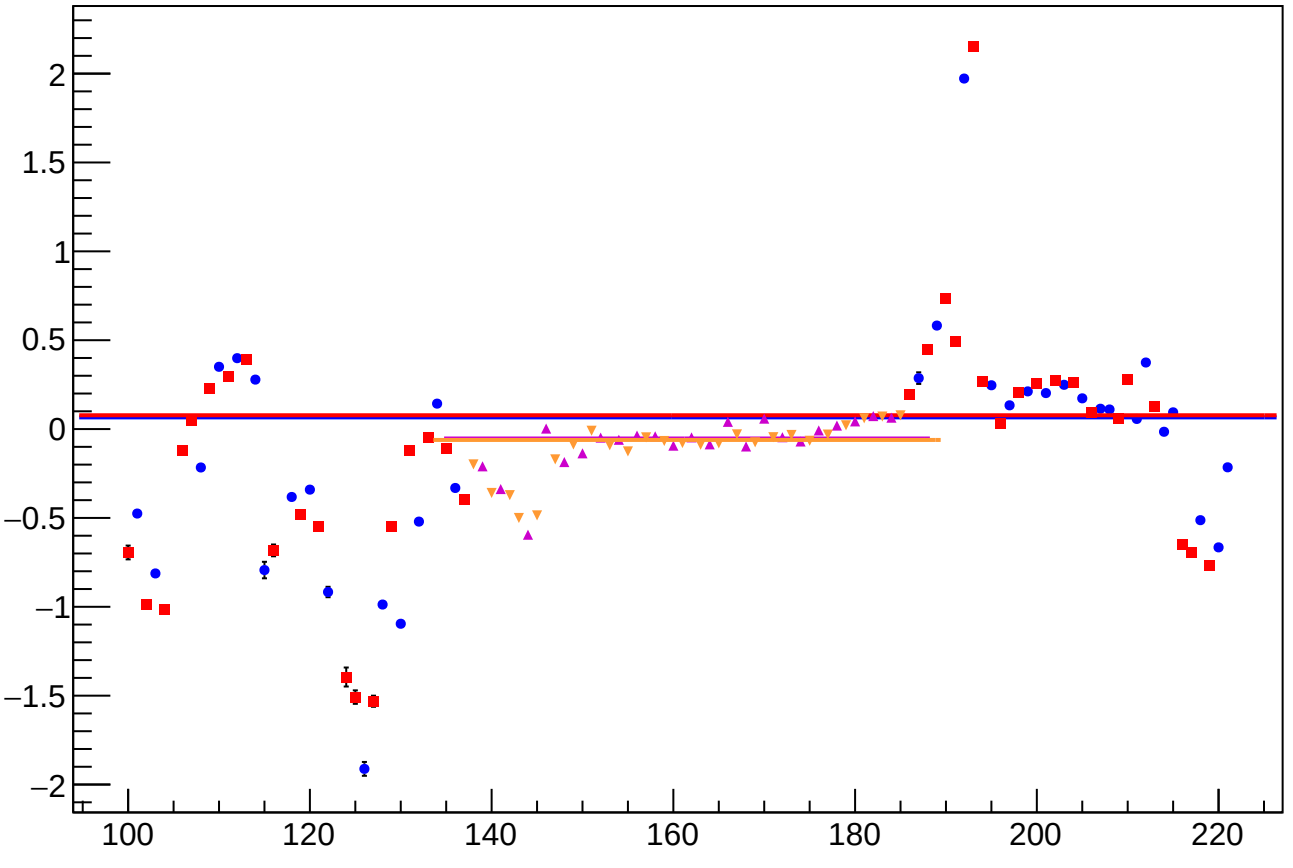
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.897+/-0.034 χ^2/NDF: 15191.6/70

In: -1.075+/-0.028 χ^2/NDF:16377.7/56

Out: -0.989+/-0.029 χ^2/NDF:12881.2/61

All: -1.033+/-0.020 χ^2/NDF: 29263.4/118



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: 0.078+/-0.002 χ^2/NDF: 39313.8/36

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

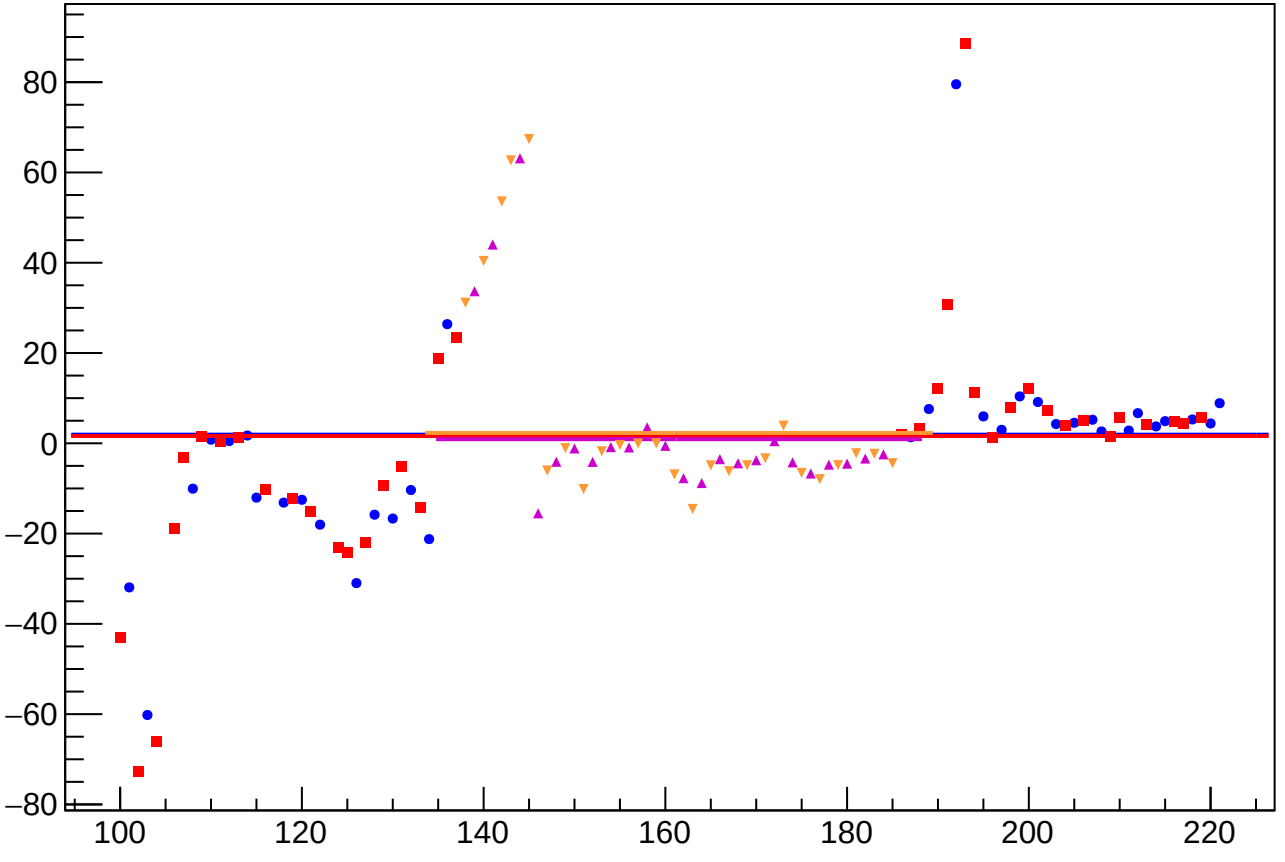
Right: 0.072+/-0.002 χ^2/NDF: 76472.0/70

In: -0.016+/-0.001 χ^2/NDF:44120.0/56

Out: -0.014+/-0.001 χ^2/NDF:47671.0/61

All: -0.015+/-0.001 χ^2/NDF: 91792.6/118

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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: 1.617+/-0.031 χ^2/NDF: 123518.9/36

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

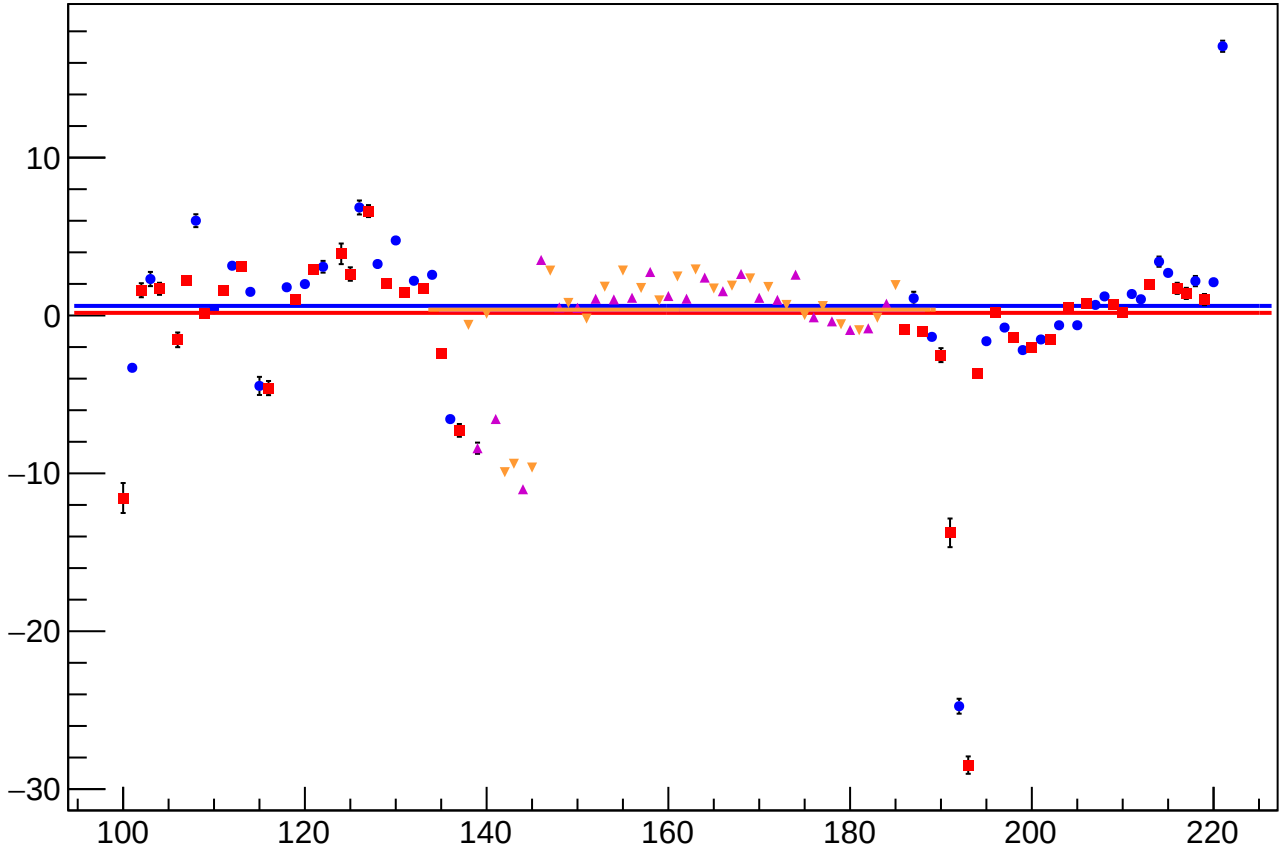
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.754+/-0.023 χ^2/NDF: 247388.2/70

In: 1.500+/-0.026 χ^2/NDF:256769.1/56

Out: 1.872+/-0.025 χ^2/NDF:300882.2/61

All: 1.693+/-0.018 χ^2/NDF: 557760.7/118



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: 0.166+/-0.042 χ^2/NDF: 5335.3/36

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

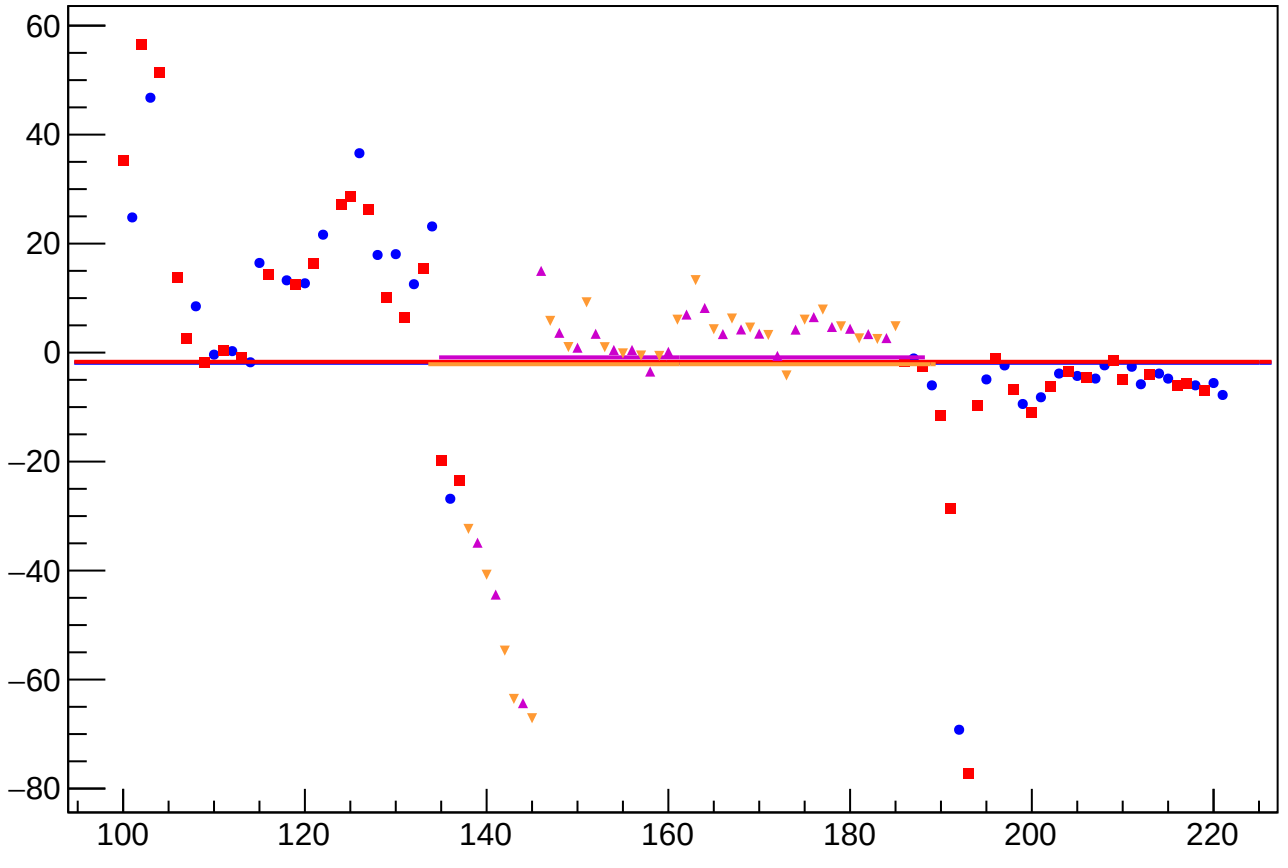
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.379+/-0.030 χ^2/NDF: 13812.9/70

In: 0.430+/-0.025 χ^2/NDF:15543.8/56

Out: 0.291+/-0.026 χ^2/NDF:12417.6/61

All: 0.362+/-0.018 χ^2/NDF: 27976.2/118



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: -1.688+/-0.033 χ^2/NDF: 122018.1/36

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

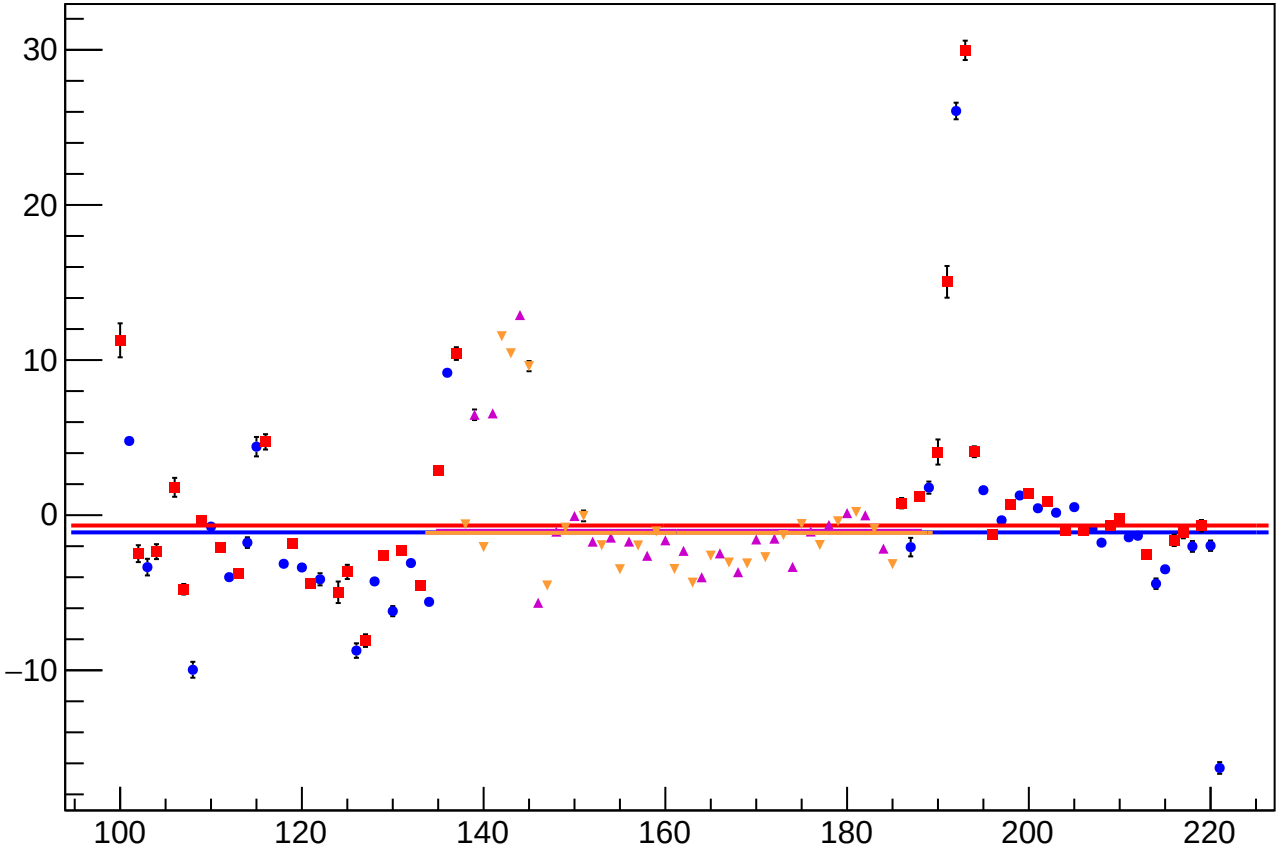
Right: -1.774+/-0.024 χ^2/NDF: 243907.3/70

In: -1.432+/-0.026 χ^2/NDF:251498.8/56

Out: -1.867+/-0.026 χ^2/NDF:293557.8/61

All: -1.654+/-0.018 χ^2/NDF: 545198.6/118

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -0.667+/-0.048 χ^2/NDF: 5820.3/36

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

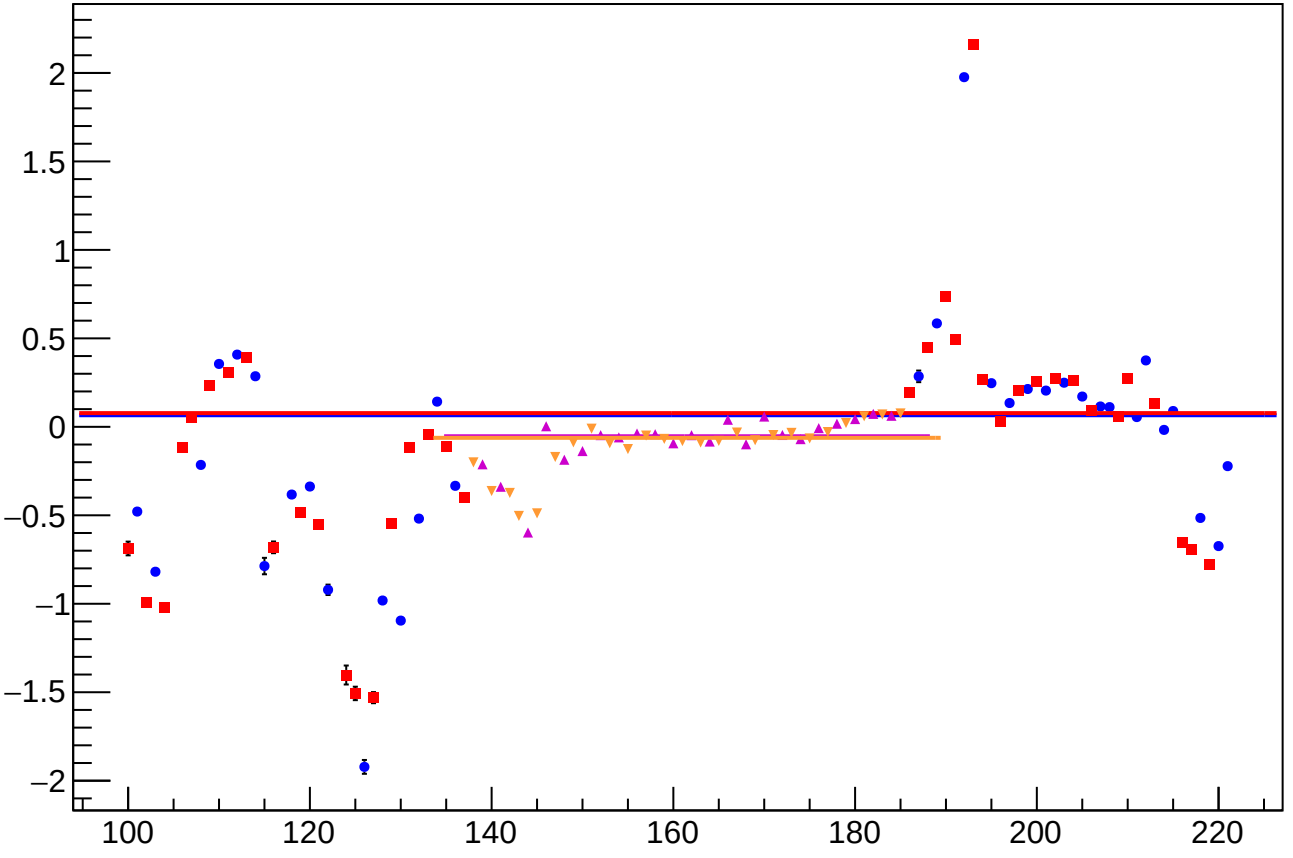
Right: -0.883+/-0.034 χ^2/NDF: 15214.4/70

In: -1.045+/-0.028 χ^2/NDF:16382.5/56

Out: -0.968+/-0.029 χ^2/NDF:12904.8/61

All: -1.007+/-0.020 χ^2/NDF: 29290.9/118

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.078+/-0.002 χ^2/NDF: 39253.3/36

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

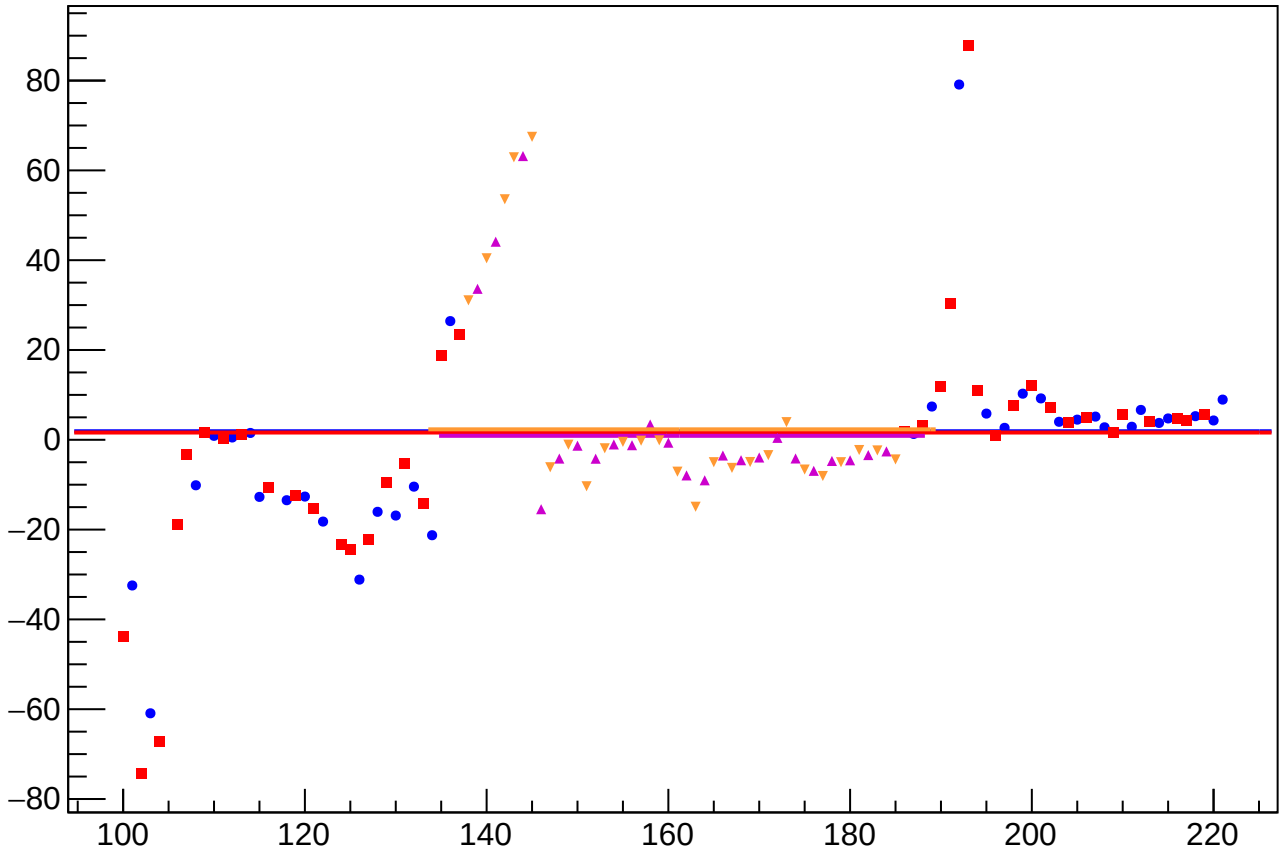
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.072+/-0.002 χ^2/NDF: 76413.7/70

In: -0.017+/-0.001 χ^2/NDF:44089.7/56

Out: -0.015+/-0.001 χ^2/NDF:47617.7/61

All: -0.016+/-0.001 χ^2/NDF: 91708.5/118



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: 1.619+/-0.032 χ^2/NDF: 121854.7/36

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

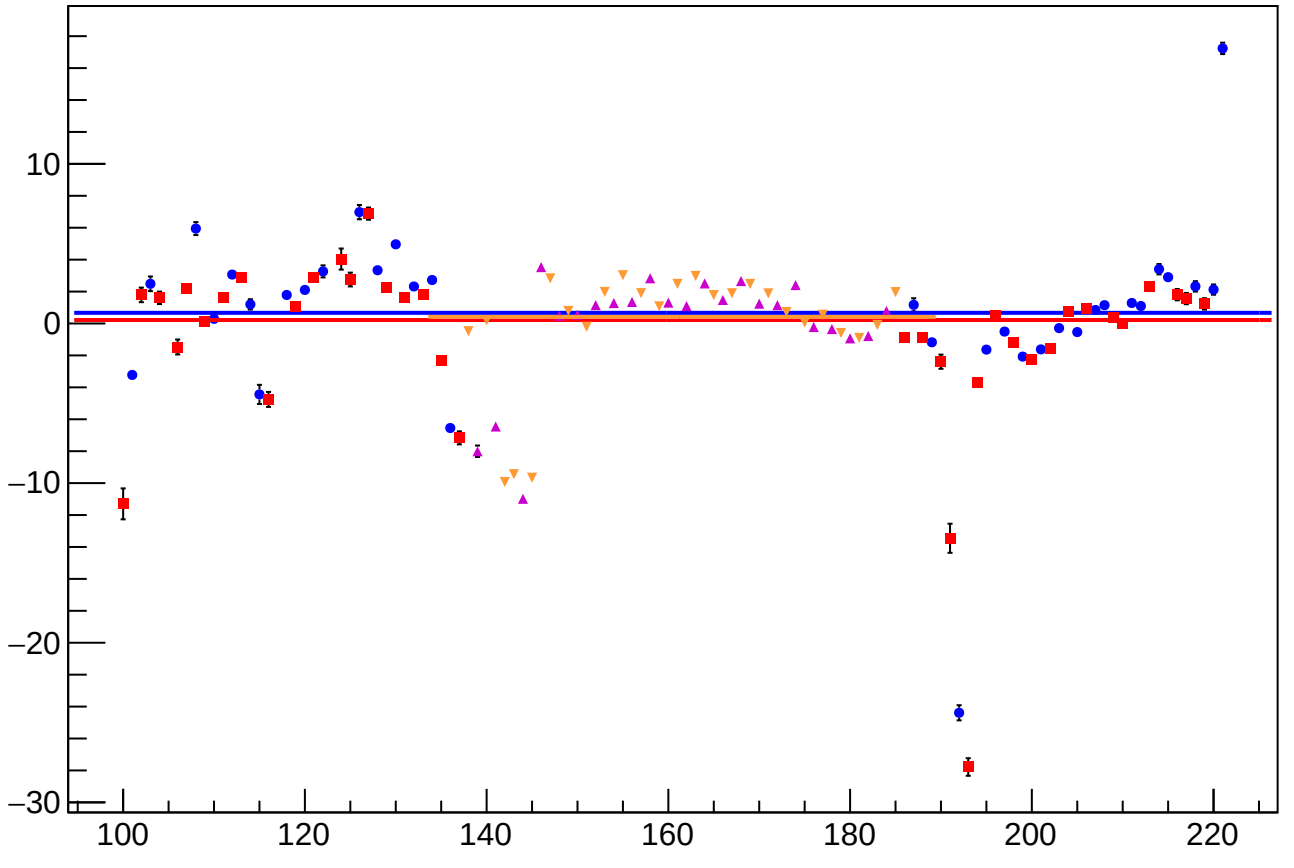
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 1.753+/-0.023 χ^2/NDF: 243802.8/70

In: 1.491+/-0.026 χ^2/NDF:252697.1/56

Out: 1.884+/-0.025 χ^2/NDF:296689.7/61

All: 1.694+/-0.018 χ^2/NDF: 549504.9/118



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: 0.218+/-0.042 χ^2/NDF: 5160.1/36

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

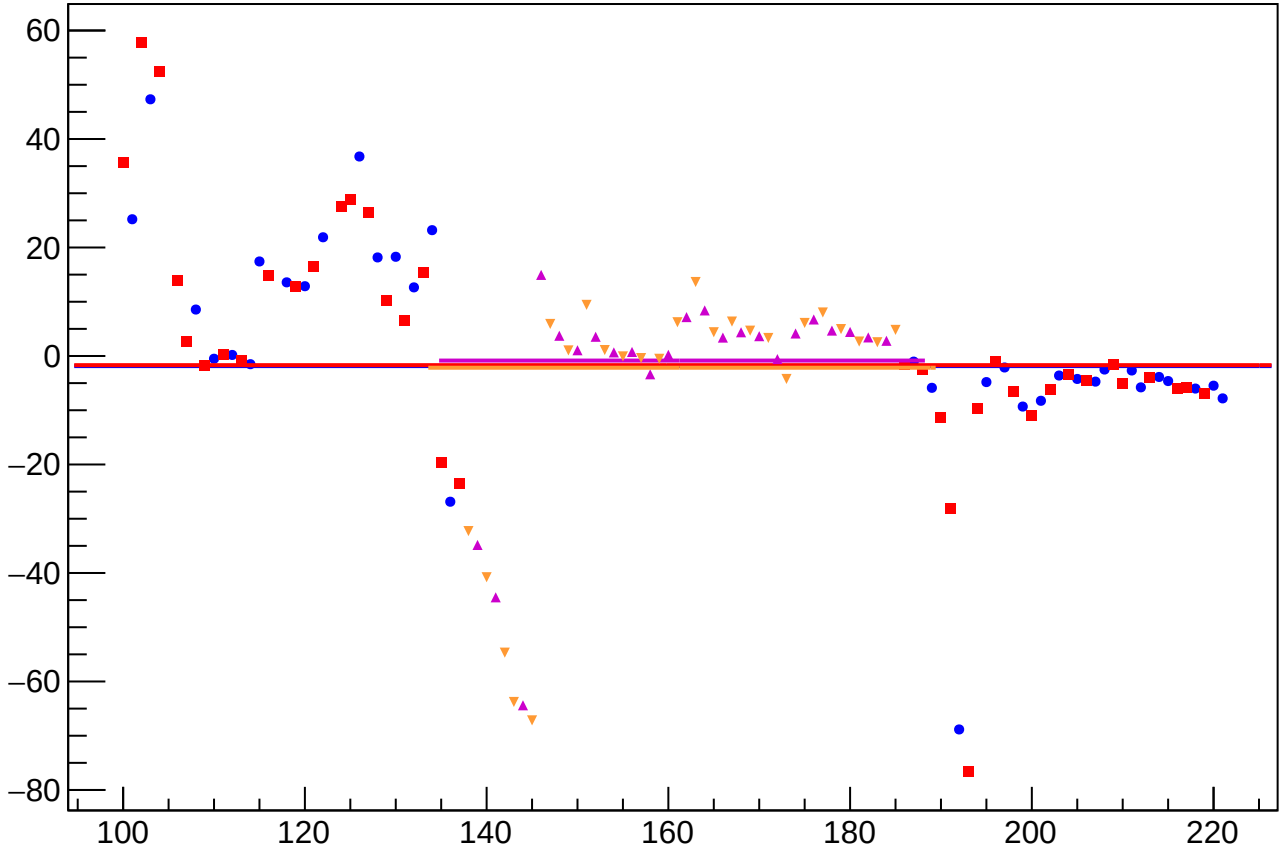
Right: 0.436+/-0.030 χ^2/NDF: 13464.0/70

In: 0.491+/-0.026 χ^2/NDF:15206.3/56

Out: 0.336+/-0.026 χ^2/NDF:12220.7/61

All: 0.415+/-0.018 χ^2/NDF: 27444.7/118

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.689+/-0.033 χ^2/NDF: 120359.4/36

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

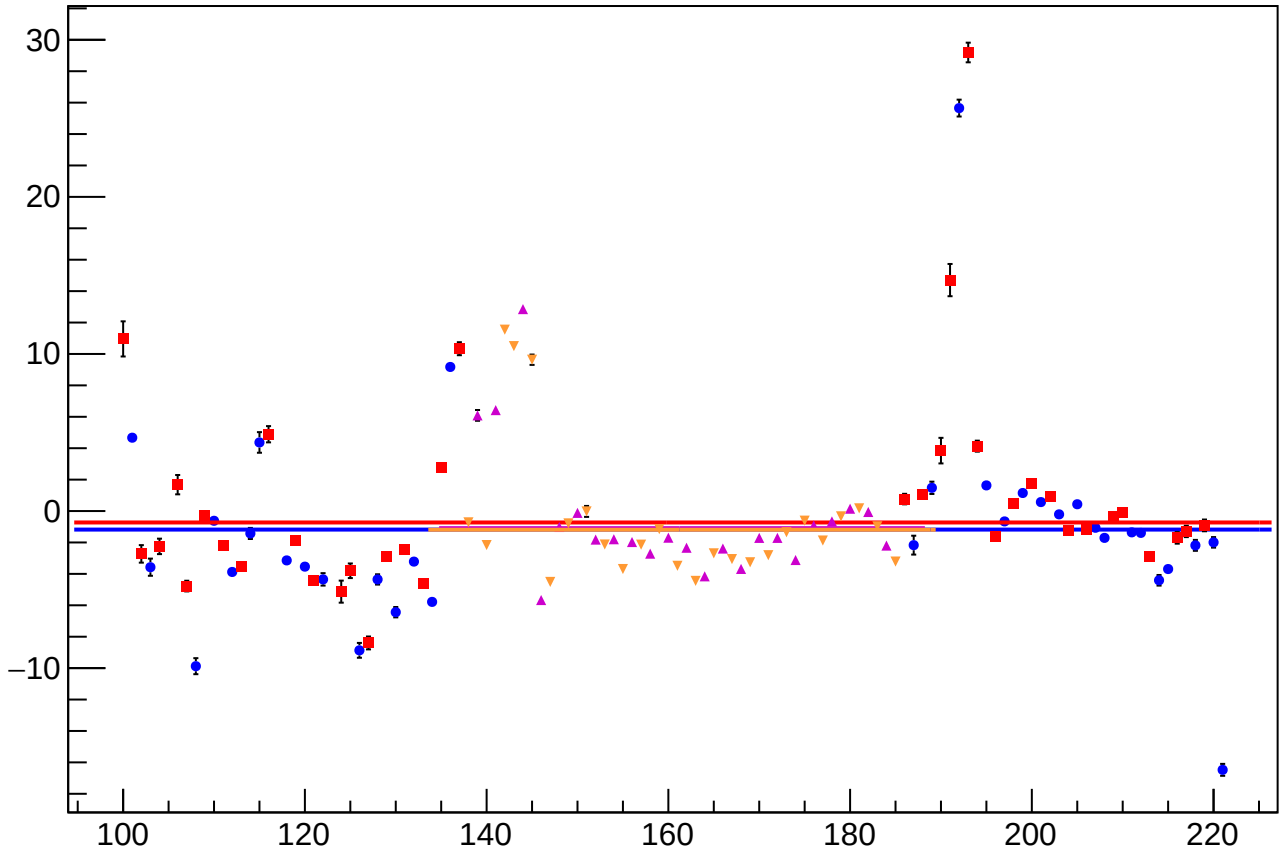
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.772+/-0.024 χ^2/NDF: 240363.7/70

In: -1.422+/-0.026 χ^2/NDF:247492.9/56

Out: -1.878+/-0.026 χ^2/NDF:289429.7/61

All: -1.654+/-0.019 χ^2/NDF: 537074.8/118



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: -0.728+/-0.049 χ^2/NDF: 5654.3/36

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

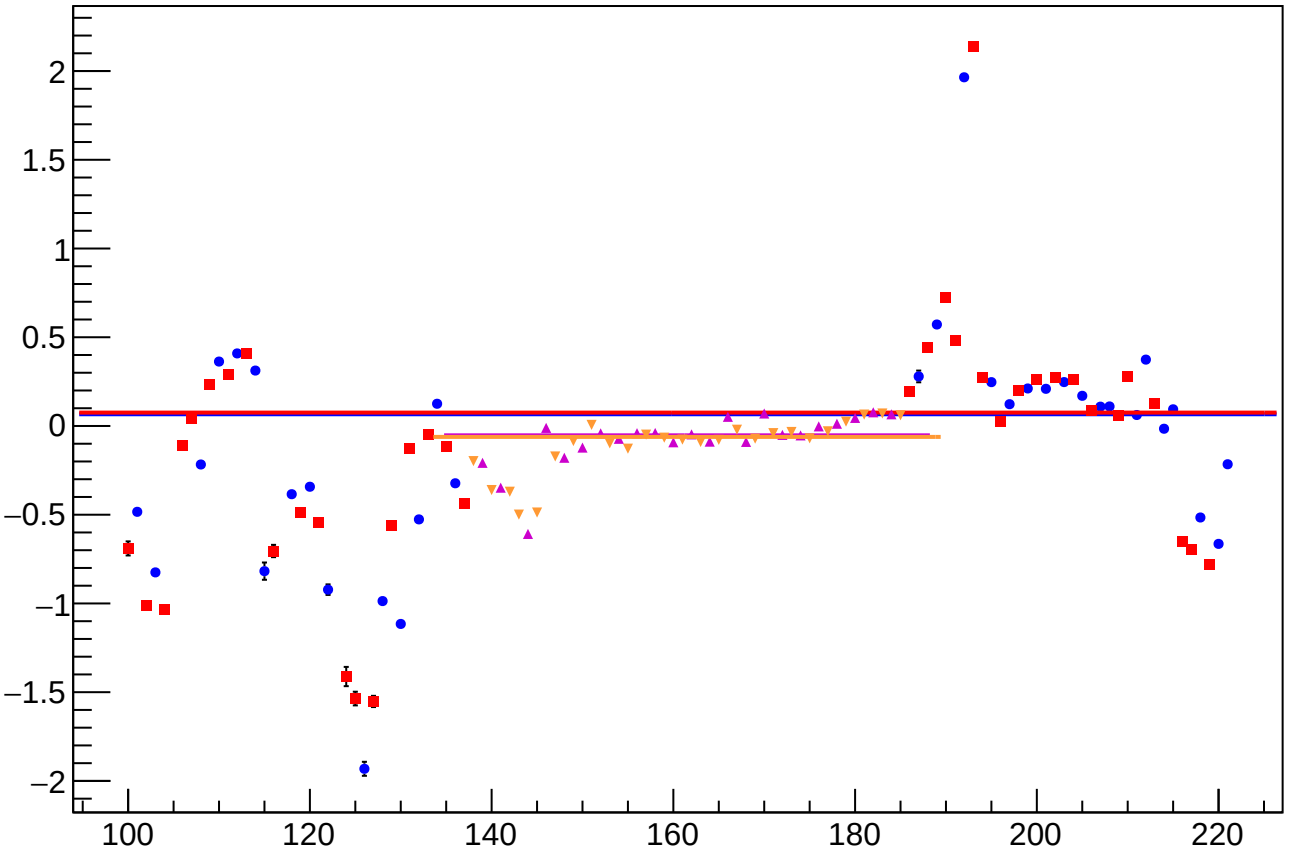
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.948+/-0.035 χ^2/NDF: 14874.6/70

In: -1.120+/-0.029 χ^2/NDF:16021.1/56

Out: -1.021+/-0.029 χ^2/NDF:12707.5/61

All: -1.071+/-0.021 χ^2/NDF: 28734.3/118



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: 0.075+/-0.002 χ^2/NDF: 38748.8/36

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

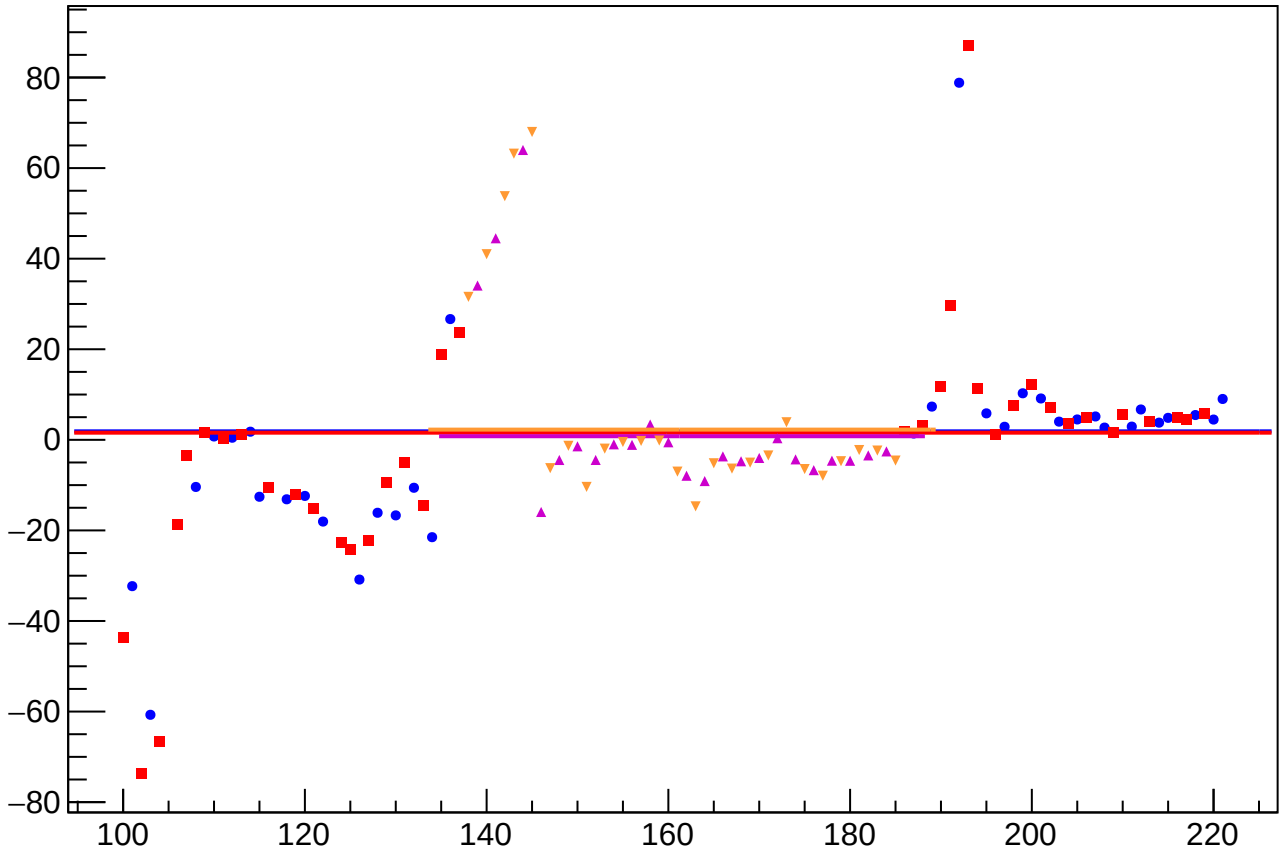
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.071+/-0.002 χ^2/NDF: 75098.3/70

In: -0.015+/-0.001 χ^2/NDF:43276.1/56

Out: -0.014+/-0.001 χ^2/NDF:46778.0/61

All: -0.015+/-0.001 χ^2/NDF: 90054.4/118



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: 1.581+/-0.032 χ^2/NDF: 119775.9/36

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

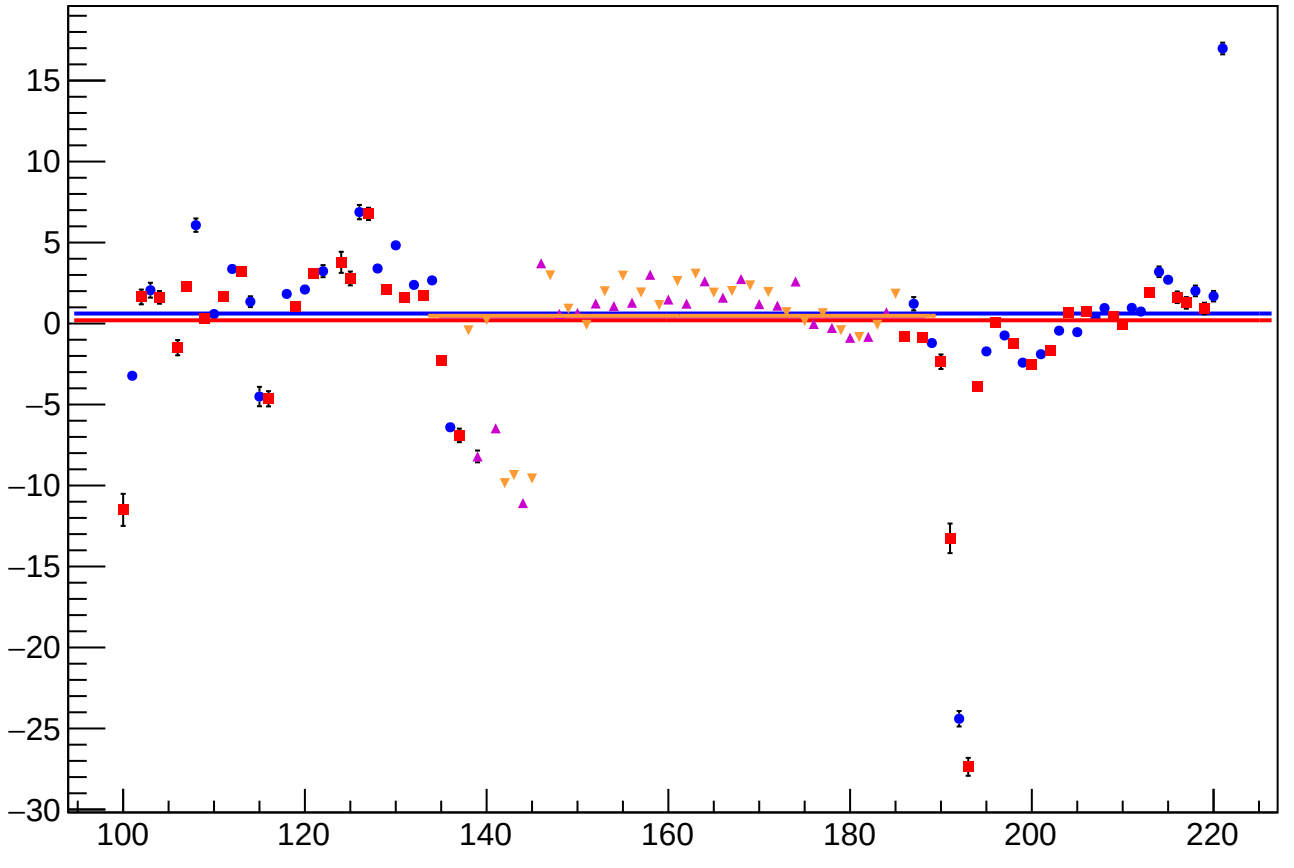
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.721+/-0.023 χ^2/NDF: 240192.8/70

In: 1.435+/-0.026 χ^2/NDF:249615.7/56

Out: 1.835+/-0.025 χ^2/NDF:291611.5/61

All: 1.641+/-0.018 χ^2/NDF: 541346.7/118



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: 0.200+/-0.043 χ^2/NDF: 5042.5/36

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

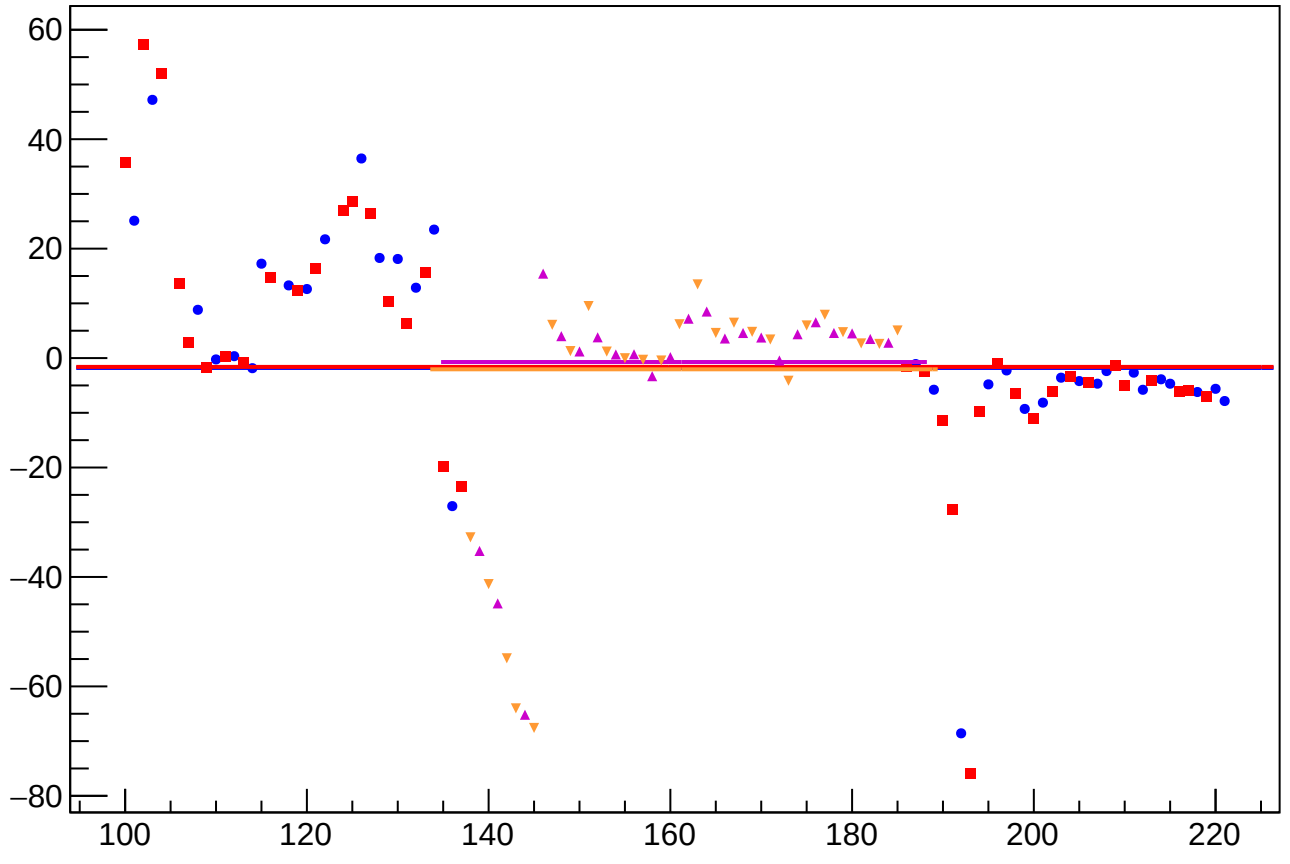
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.402+/-0.031 χ^2/NDF: 13174.4/70

In: 0.502+/-0.026 χ^2/NDF:14990.3/56

Out: 0.372+/-0.027 χ^2/NDF:11876.7/61

All: 0.438+/-0.019 χ^2/NDF: 26879.0/118



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: -1.612+/-0.034 χ^2/NDF: 118315.2/36

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

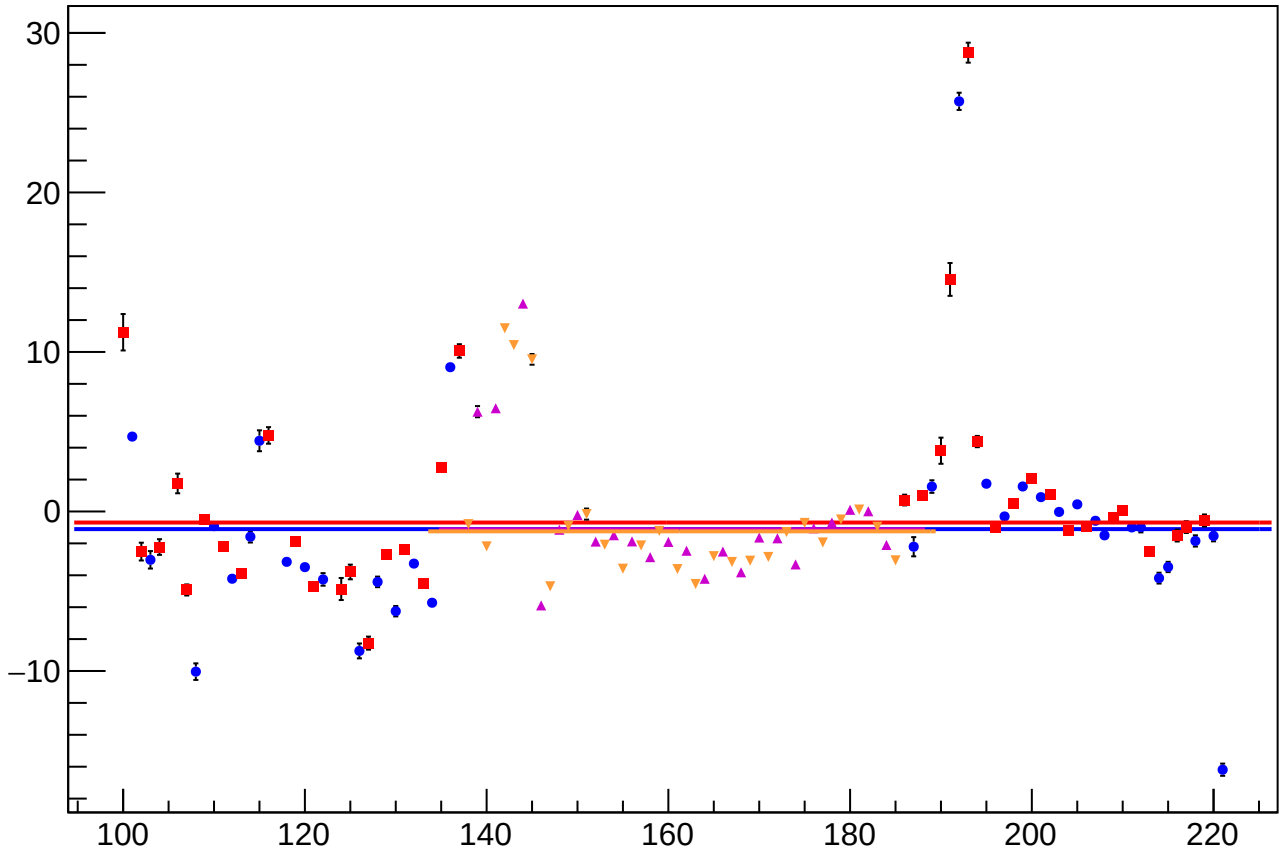
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.703+/-0.025 χ^2/NDF: 236750.1/70

In: -1.332+/-0.027 χ^2/NDF:244353.4/56

Out: -1.788+/-0.026 χ^2/NDF:284392.0/61

All: -1.564+/-0.019 χ^2/NDF: 528893.6/118



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: -0.693+/-0.049 χ^2/NDF: 5503.2/36

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

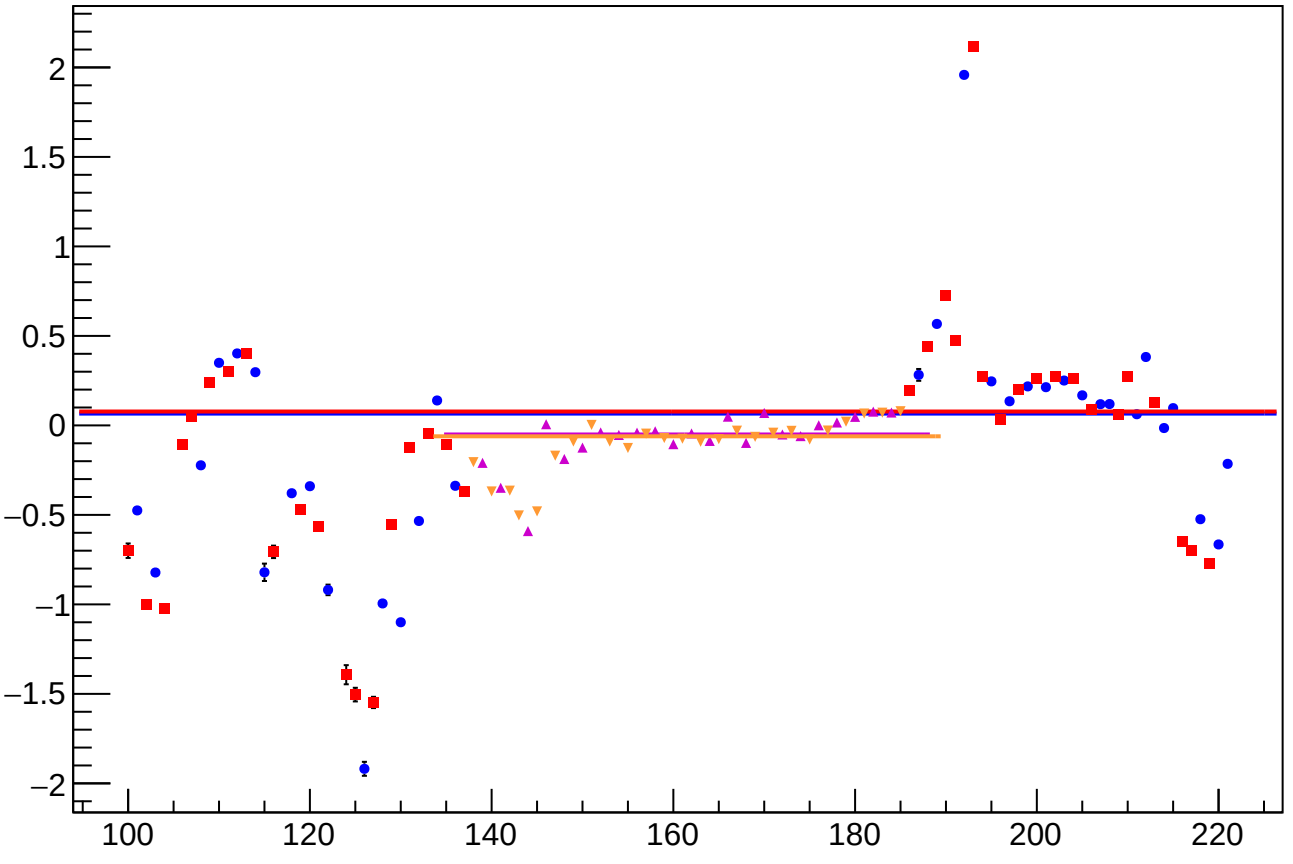
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.895+/-0.035 χ^2/NDF: 14493.8/70

In: -1.113+/-0.029 χ^2/NDF:15796.8/56

Out: -1.044+/-0.030 χ^2/NDF:12351.1/61

All: -1.079+/-0.021 χ^2/NDF: 28150.7/118



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: 0.078+/-0.002 χ^2/NDF: 37738.9/36

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

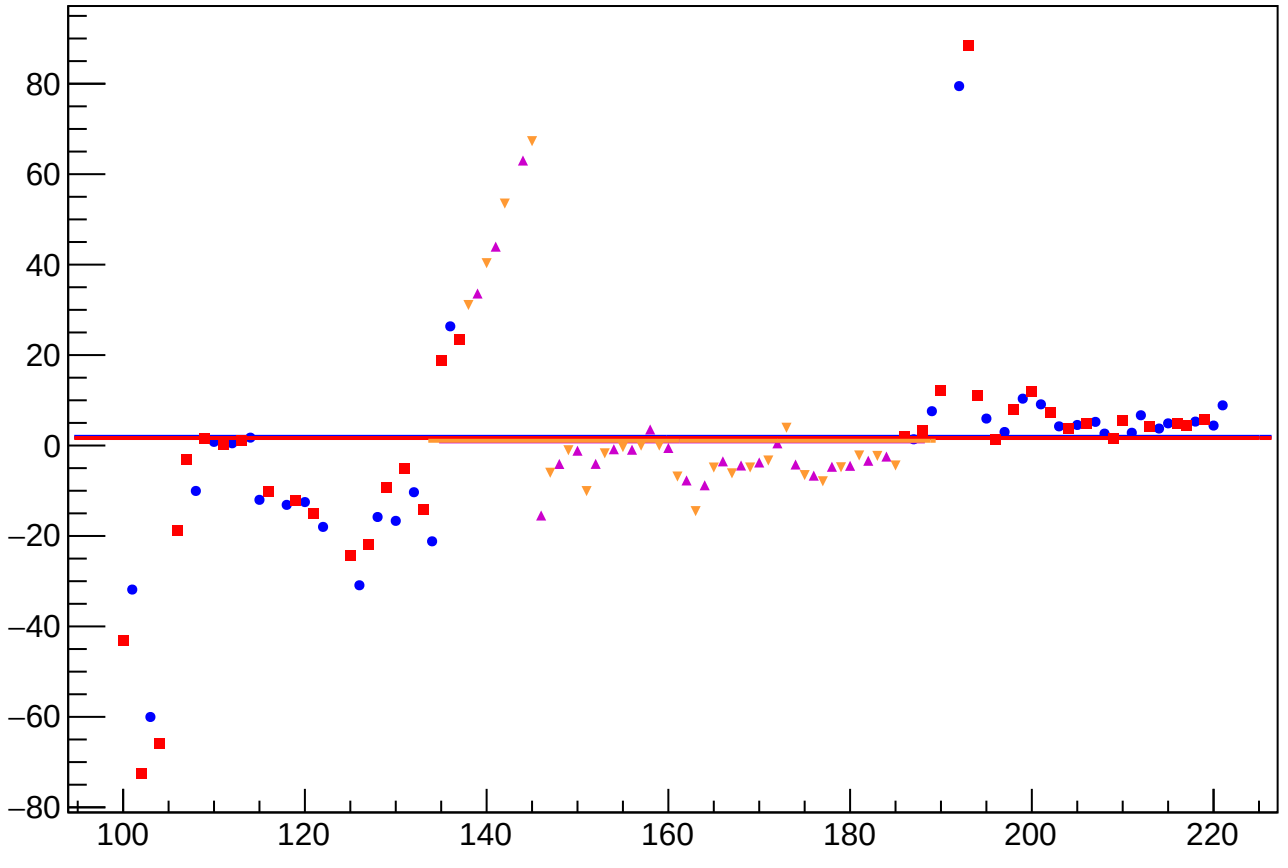
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.072+/-0.002 χ^2/NDF: 73743.4/70

In: -0.014+/-0.001 χ^2/NDF:42661.2/56

Out: -0.014+/-0.001 χ^2/NDF:45672.9/61

All: -0.014+/-0.001 χ^2/NDF: 88334.2/118



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: 1.660+/-0.031 χ^2/NDF: 120792.2/34

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

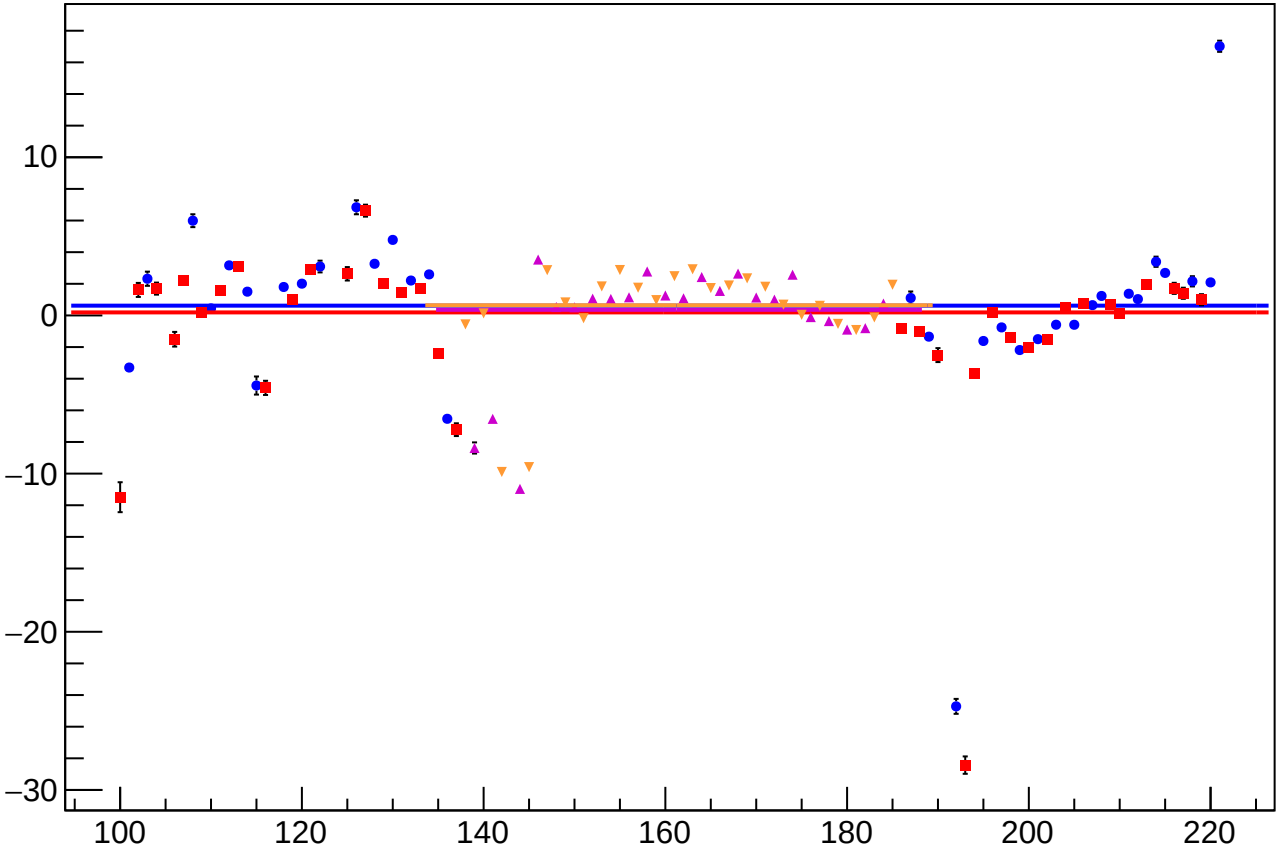
Right: 1.782+/-0.023 χ^2/NDF: 244874.7/68

In: 1.507+/-0.026 χ^2/NDF:257235.4/56

Out: 1.435+/-0.025 χ^2/NDF:251963.8/58

All: 1.470+/-0.018 χ^2/NDF: 509203.4/115

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: 0.192+/-0.042 χ^2/NDF: 5074.9/34

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

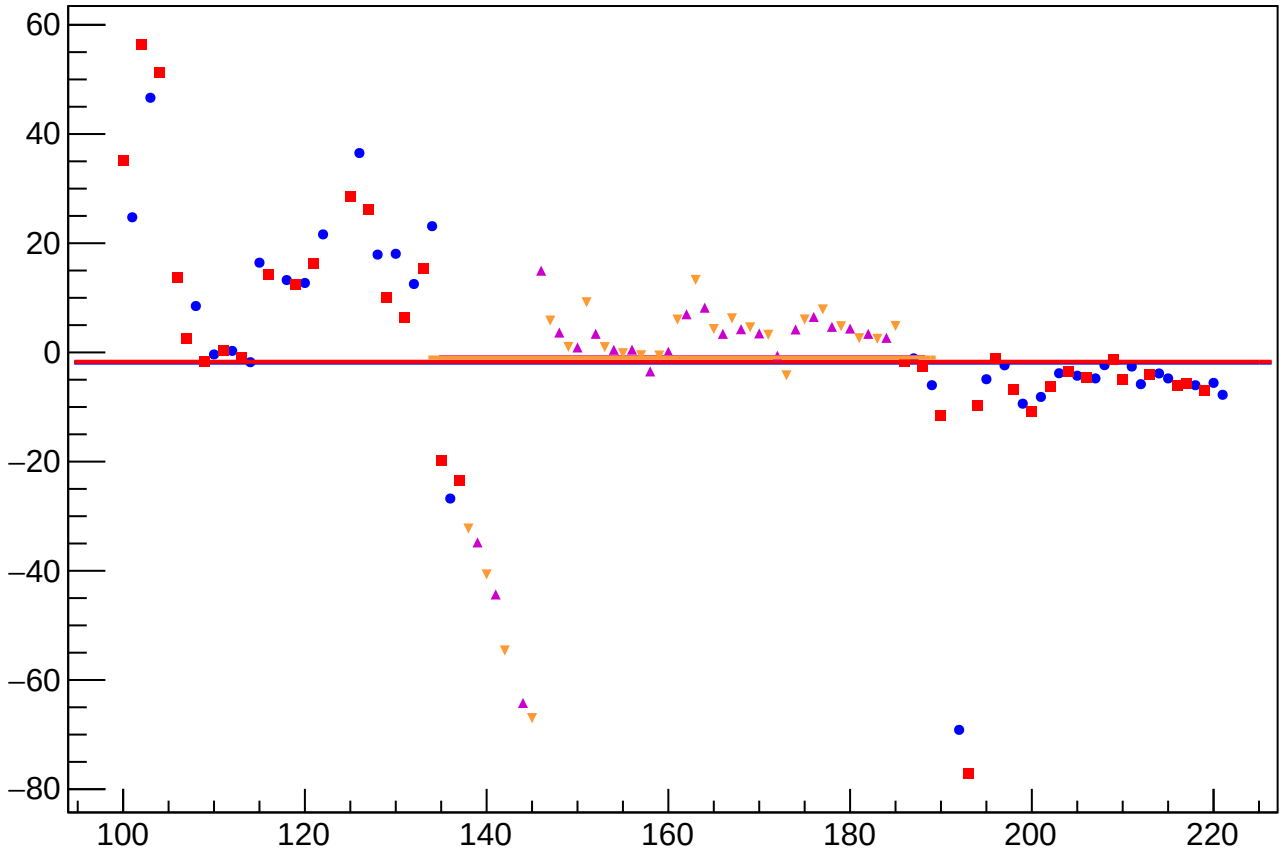
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.399+/-0.030 χ^2/NDF: 13560.9/68

In: 0.446+/-0.025 χ^2/NDF:15576.8/56

Out: 0.469+/-0.026 χ^2/NDF:9857.8/58

All: 0.457+/-0.018 χ^2/NDF: 25434.9/115



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: -1.706+/-0.033 χ^2/NDF: 119416.3/34

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

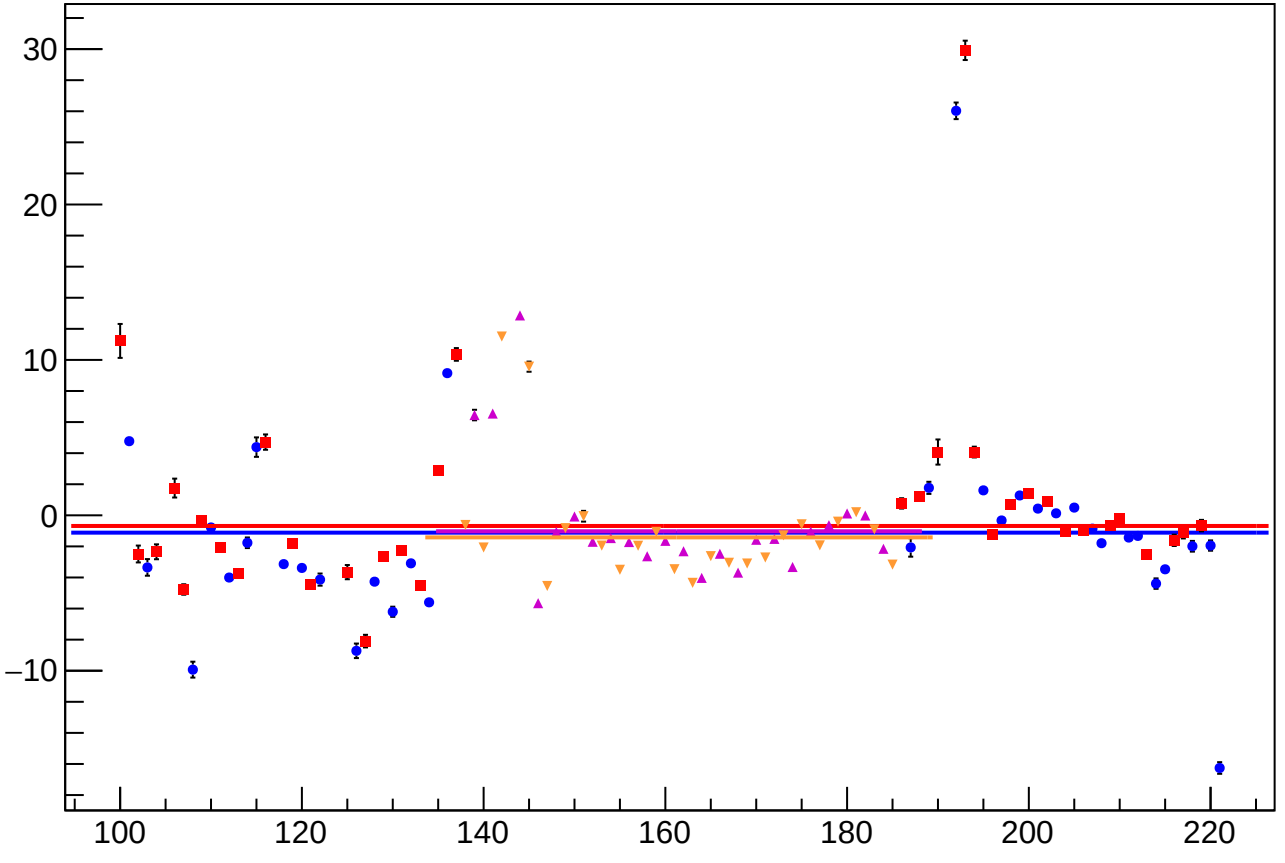
Right: -1.784+/-0.024 χ^2/NDF: 241513.3/68

In: -1.428+/-0.026 χ^2/NDF:251942.5/56

Out: -1.396+/-0.026 χ^2/NDF:246015.8/58

All: -1.412+/-0.018 χ^2/NDF: 497959.1/115

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: -0.685+/-0.048 χ^2/NDF: 5553.3/34

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

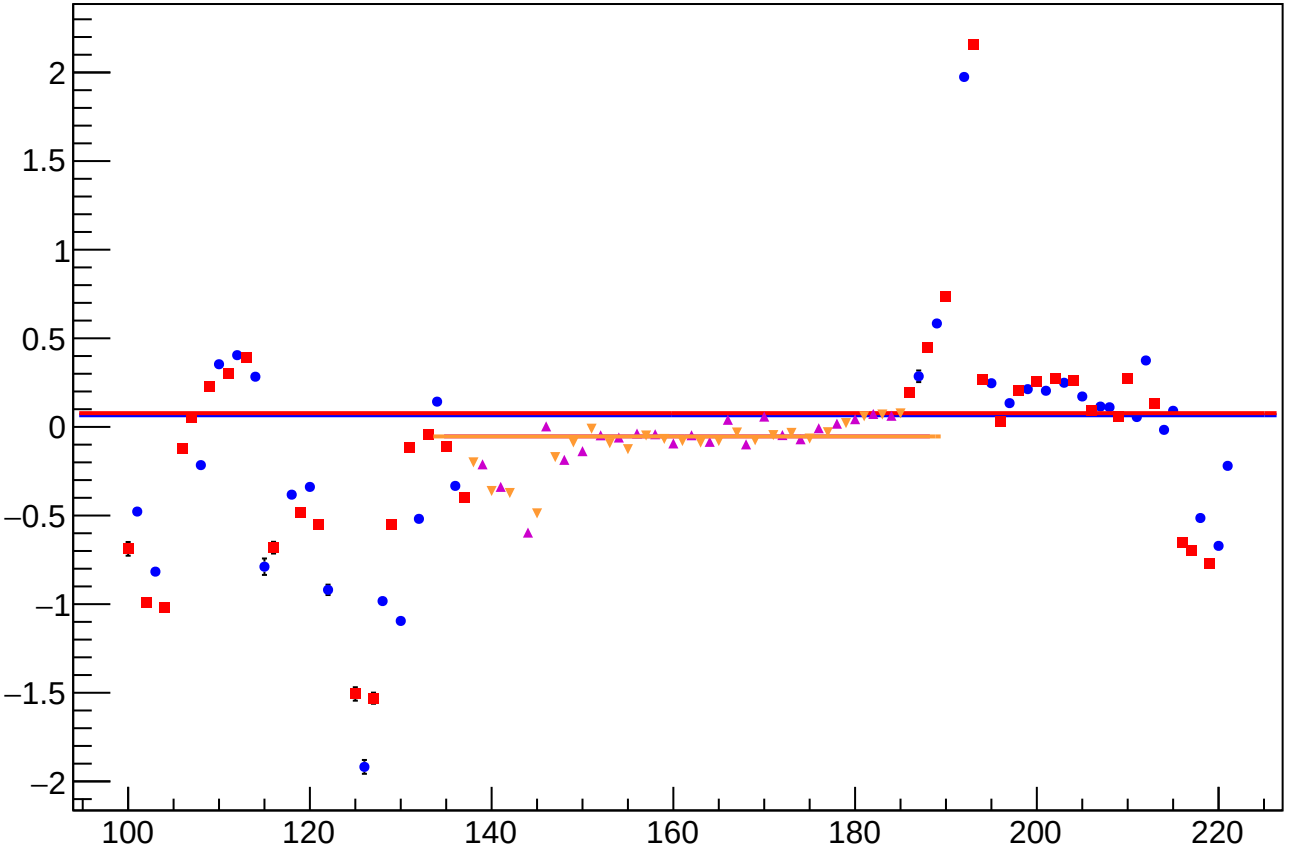
Right: -0.895+/-0.034 χ^2/NDF: 14958.3/68

In: -1.056+/-0.028 χ^2/NDF:16415.1/56

Out: -1.150+/-0.029 χ^2/NDF:10343.3/58

All: -1.101+/-0.020 χ^2/NDF: 26763.8/115

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.078+/-0.002 χ^2/NDF: 38362.7/34

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

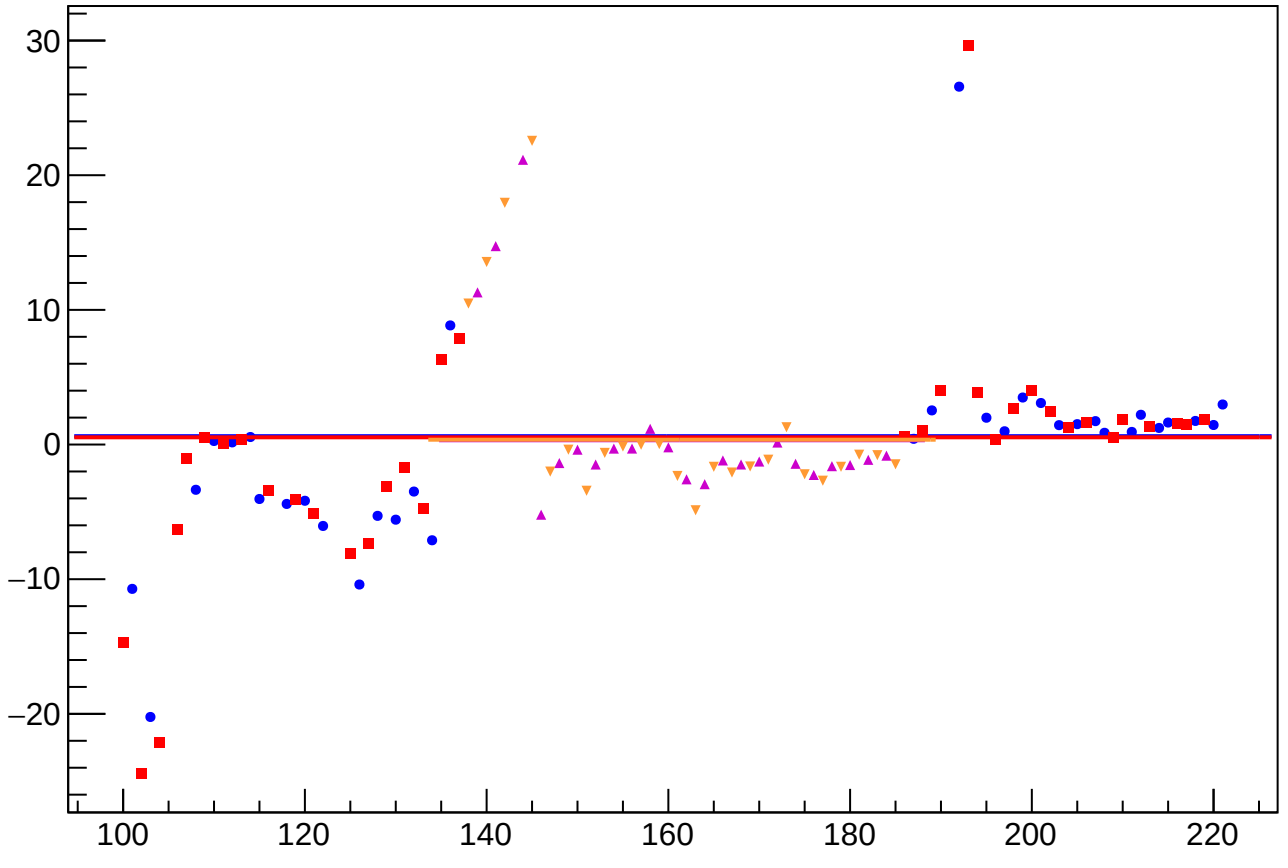
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.072+/-0.002 χ^2/NDF: 75589.2/68

In: -0.016+/-0.001 χ^2/NDF:44193.4/56

Out: -0.009+/-0.001 χ^2/NDF:45021.9/58

All: -0.013+/-0.001 χ^2/NDF: 89233.3/115



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: 0.537+/-0.011 χ^2/NDF: 118850.6/34

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

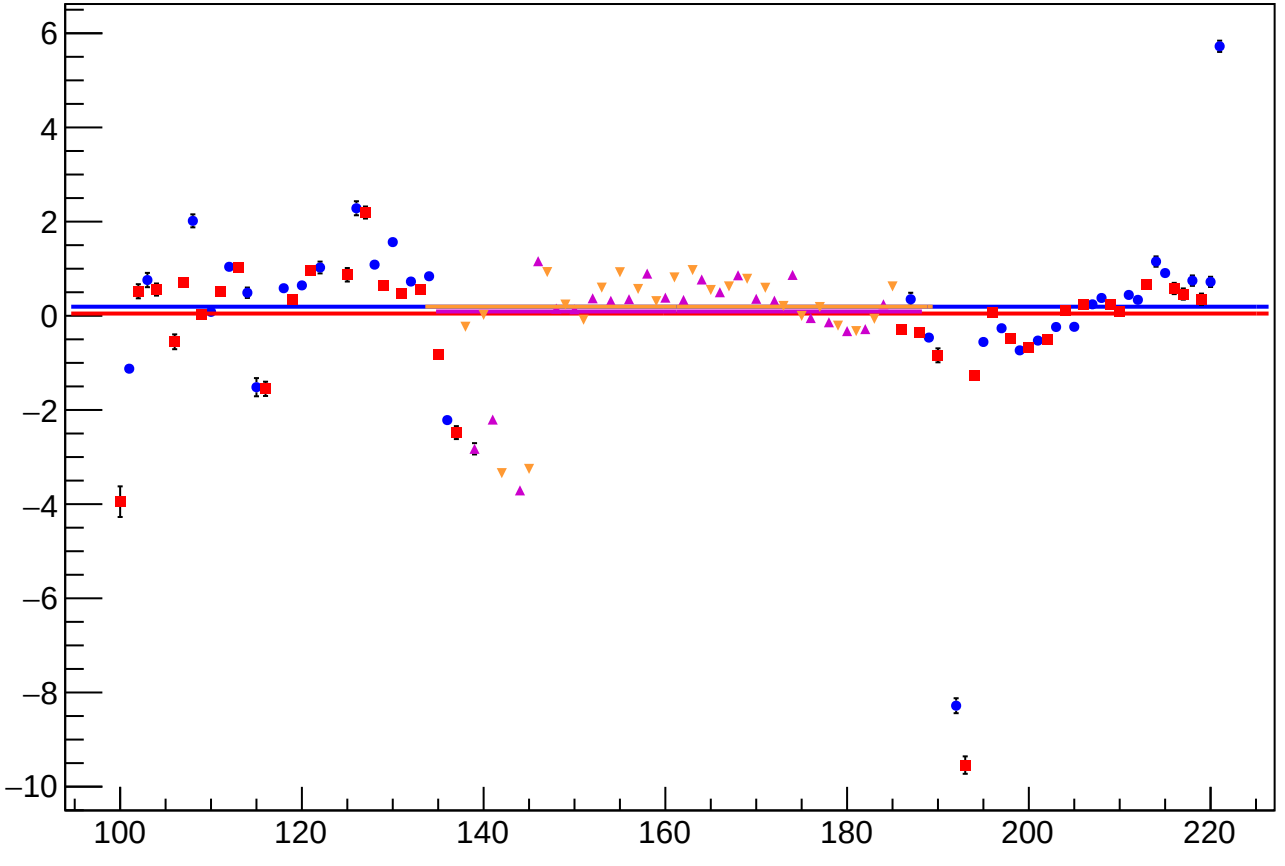
Right: 0.577+/-0.008 χ^2/NDF: 240783.0/68

In: 0.497+/-0.009 χ^2/NDF:252420.9/56

Out: 0.470+/-0.008 χ^2/NDF:247783.3/58

All: 0.483+/-0.006 χ^2/NDF: 500209.0/115

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.048+/-0.014 χ^2/NDF: 4989.1/34

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

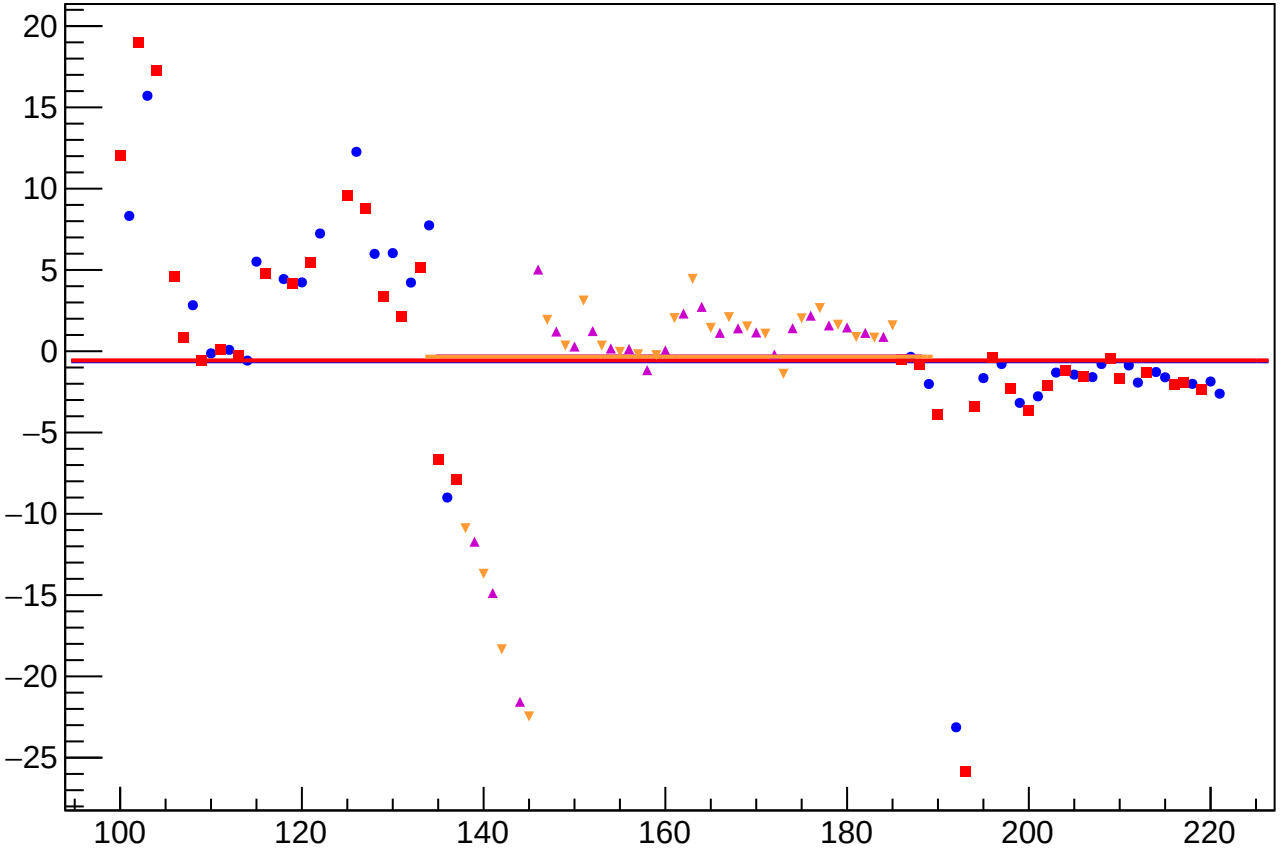
Right: 0.118+/-0.010 χ^2/NDF: 13337.9/68

In: 0.126+/-0.009 χ^2/NDF:15266.3/56

Out: 0.138+/-0.009 χ^2/NDF:9698.8/58

All: 0.132+/-0.006 χ^2/NDF: 24966.0/115

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: -0.563+/-0.011 χ^2/NDF: 117537.4/34

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

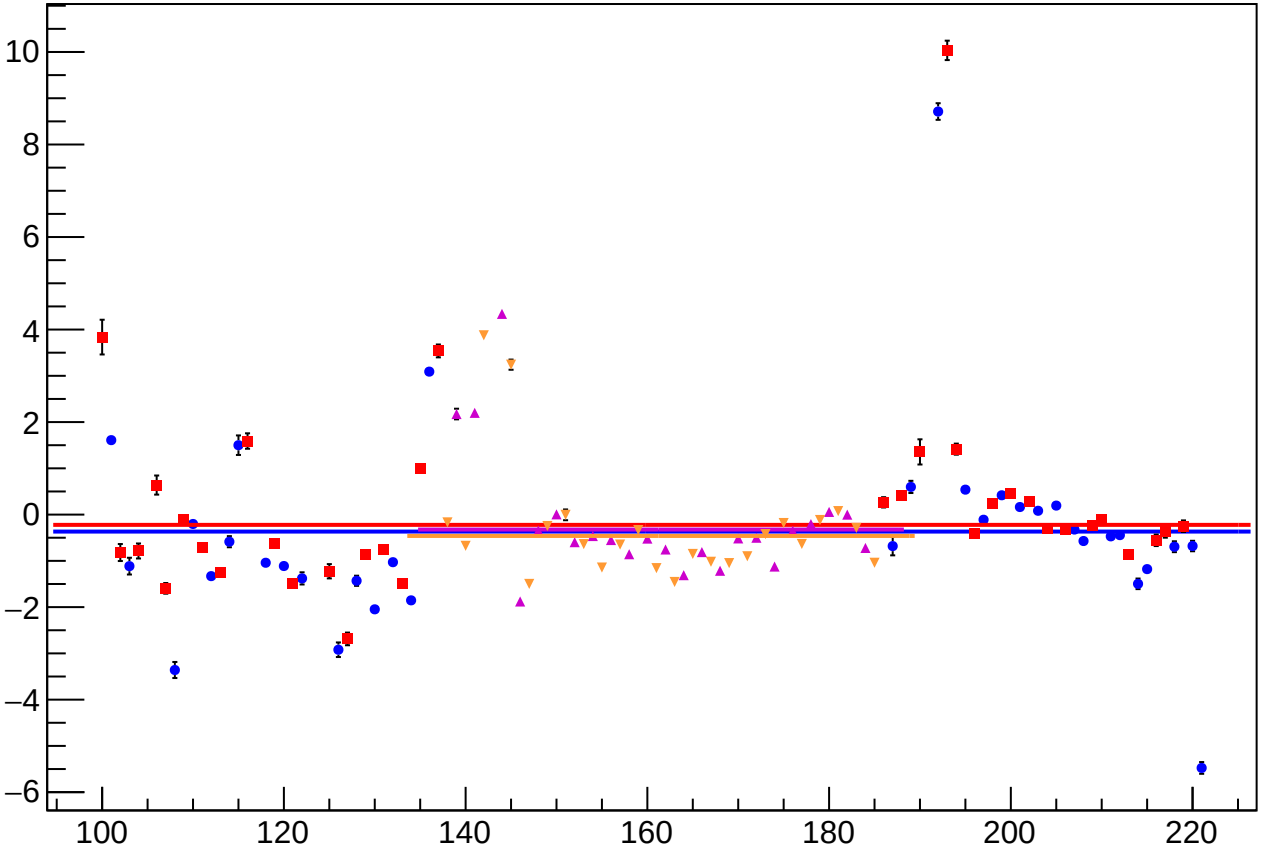
Right: -0.589+/-0.008 χ^2/NDF: 237547.7/68

In: -0.485+/-0.009 χ^2/NDF:247285.5/56

Out: -0.471+/-0.009 χ^2/NDF:241937.0/58

All: -0.478+/-0.006 χ^2/NDF: 489223.8/115

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.367+/-0.017 χ^2/NDF: 9204.9/33

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.222+/-0.016 χ^2/NDF: 5460.5/34

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

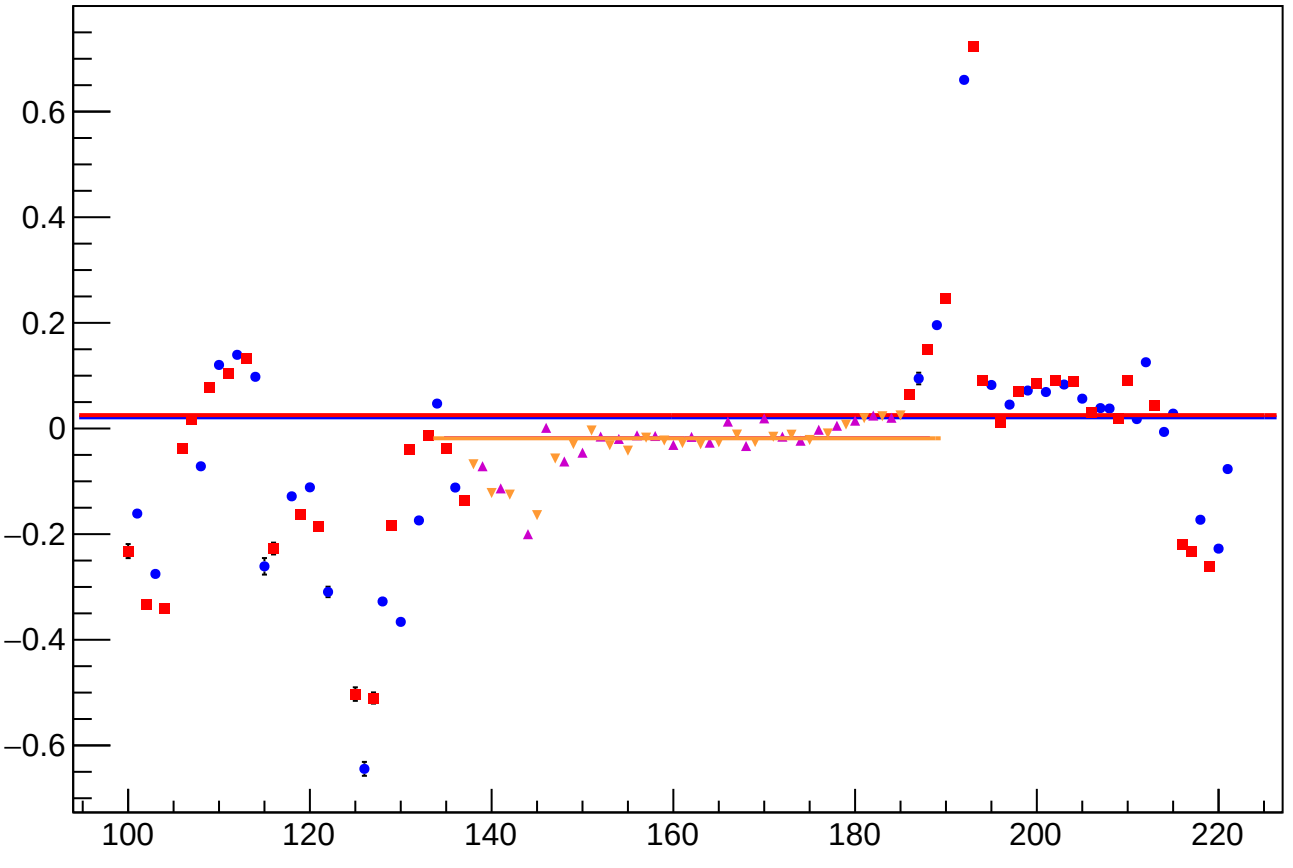
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.293+/-0.012 χ^2/NDF: 14703.3/68

In: -0.338+/-0.010 χ^2/NDF:16091.2/56

Out: -0.374+/-0.010 χ^2/NDF:10174.5/58

All: -0.355+/-0.007 χ^2/NDF: 26272.5/115



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: 0.025+/-0.001 χ^2/NDF: 37606.4/34

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

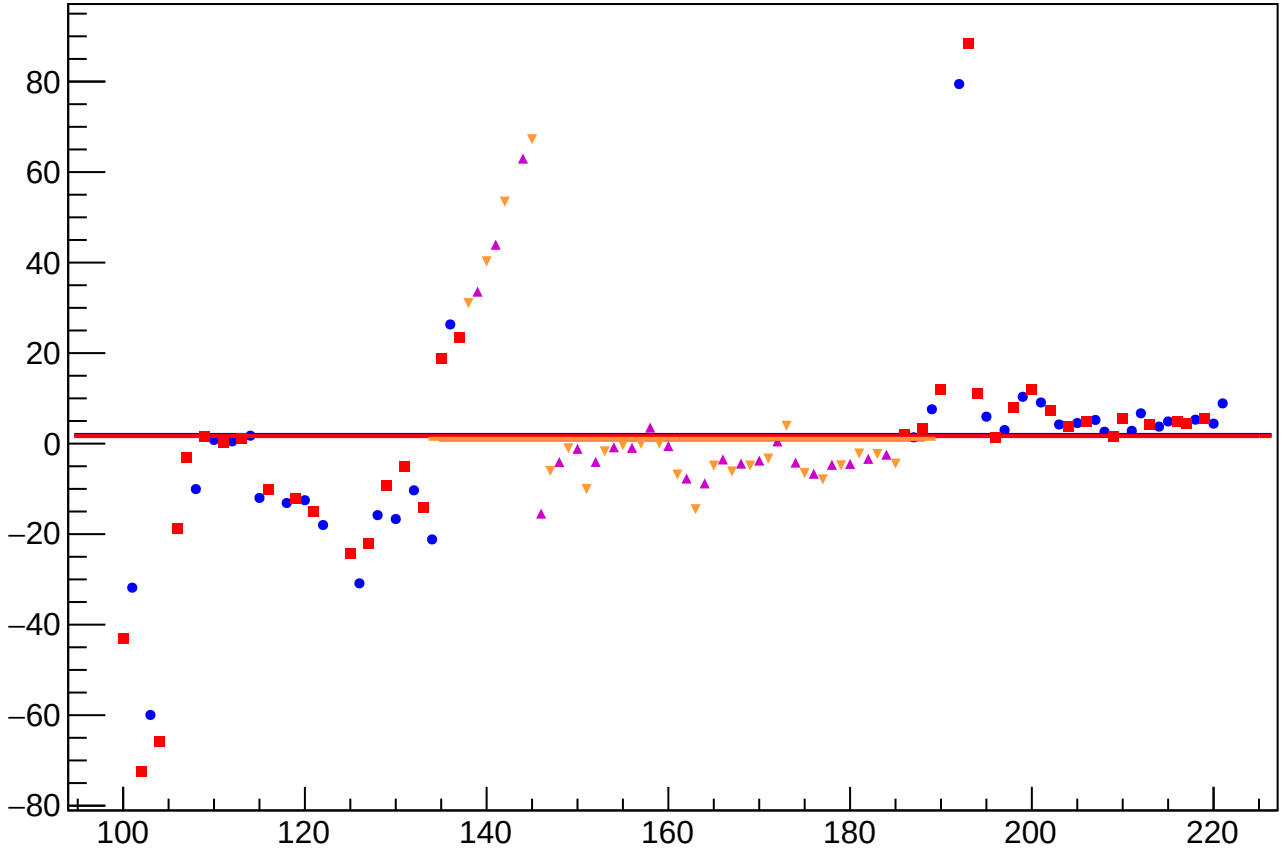
Right: 0.023+/-0.001 χ^2/NDF: 74187.5/68

In: -0.006+/-0.000 χ^2/NDF:43257.5/56

Out: -0.004+/-0.000 χ^2/NDF:44031.0/58

All: -0.005+/-0.000 χ^2/NDF: 87302.2/115

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 1.665+/-0.031 χ^2/NDF: 120820.7/34

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

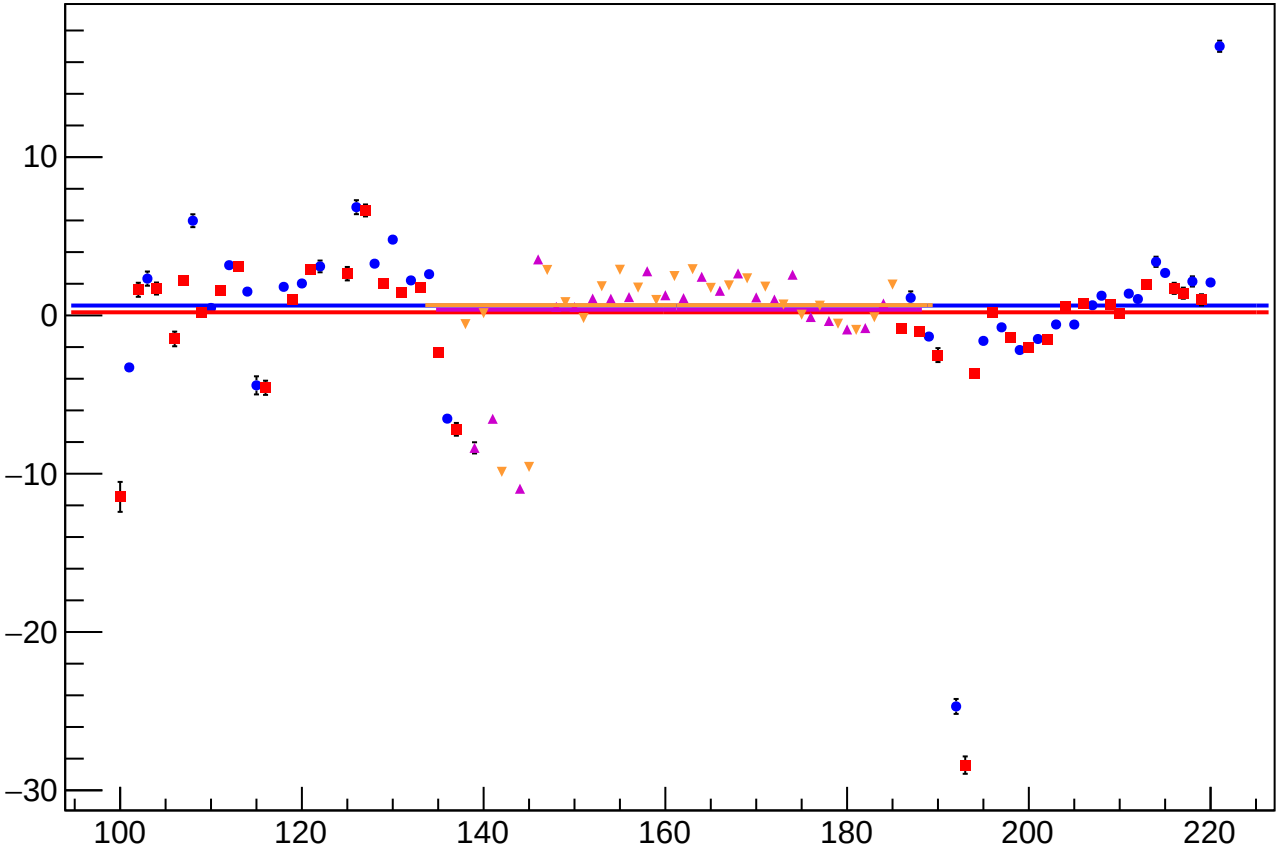
Right: 1.787+/-0.023 χ^2/NDF: 244931.2/68

In: 1.511+/-0.025 χ^2/NDF:257274.4/56

Out: 1.440+/-0.025 χ^2/NDF:251972.5/58

All: 1.474+/-0.018 χ^2/NDF: 509251.0/115

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: 0.197+/-0.042 χ^2/NDF: 5075.6/34

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

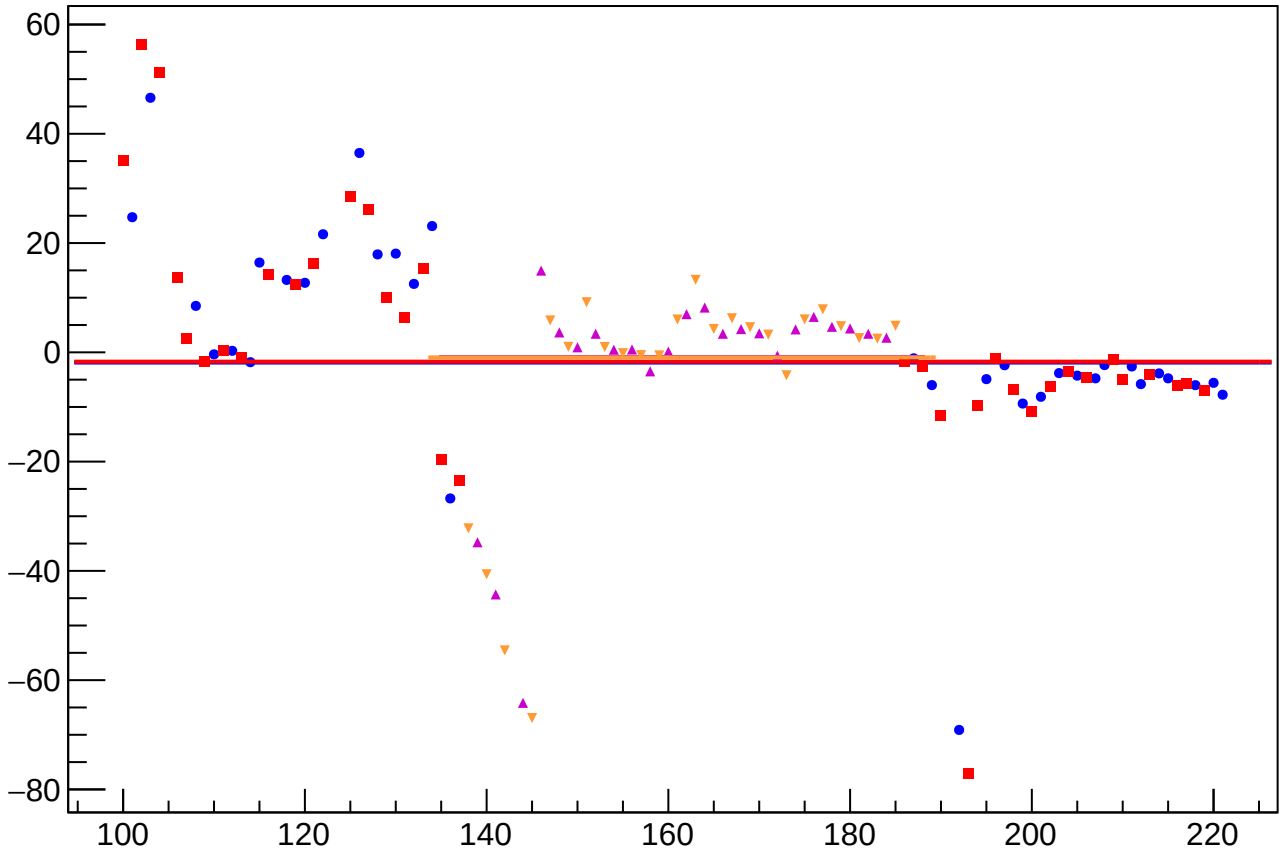
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.404+/-0.030 χ^2/NDF: 13561.7/68

In: 0.454+/-0.025 χ^2/NDF:15581.5/56

Out: 0.475+/-0.026 χ^2/NDF:9857.1/58

All: 0.465+/-0.018 χ^2/NDF: 25439.0/115



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: -1.706+/-0.033 χ^2/NDF: 119439.3/34

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

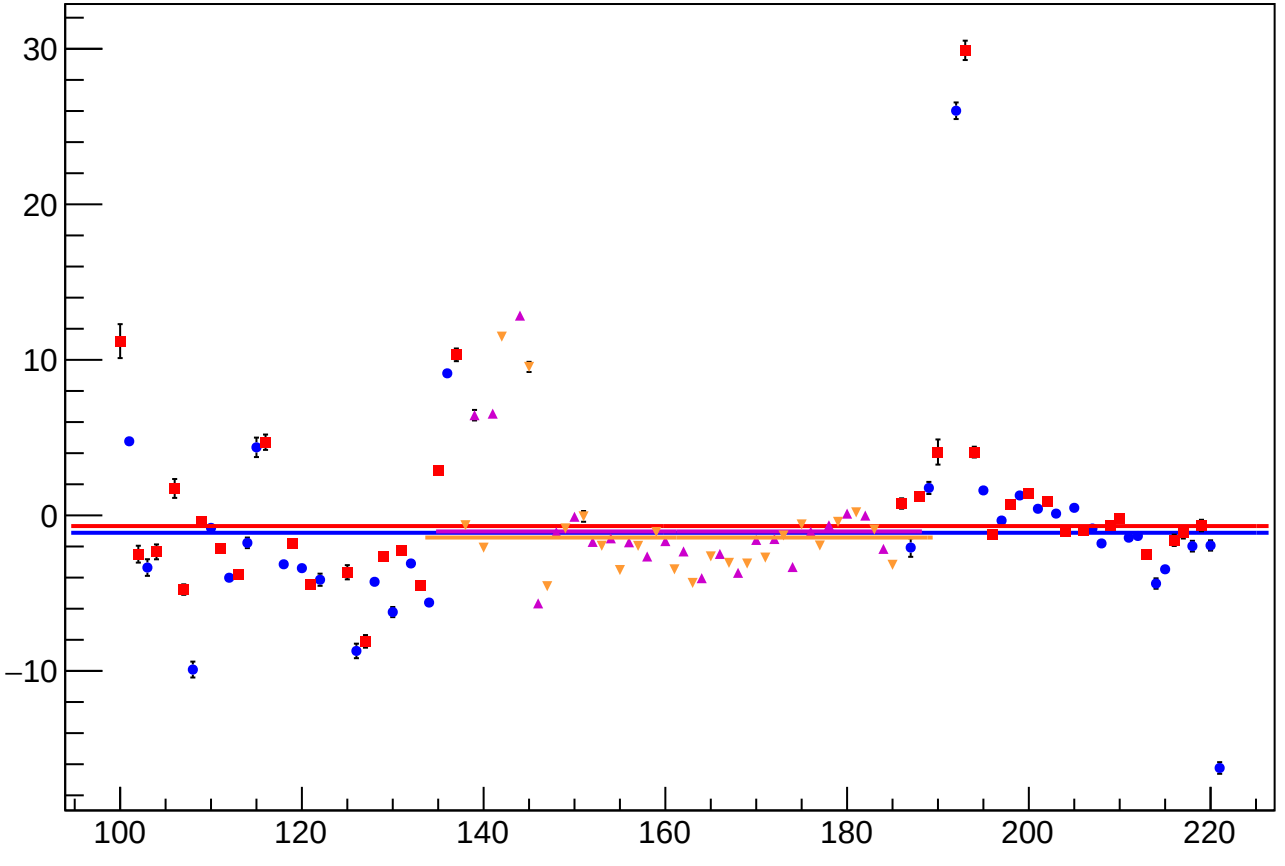
Right: -1.784+/-0.024 χ^2/NDF: 241559.8/68

In: -1.427+/-0.026 χ^2/NDF:251974.7/56

Out: -1.395+/-0.026 χ^2/NDF:246021.7/58

All: -1.411+/-0.018 χ^2/NDF: 497997.2/115

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -0.687+/-0.048 χ^2/NDF: 5553.0/34

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

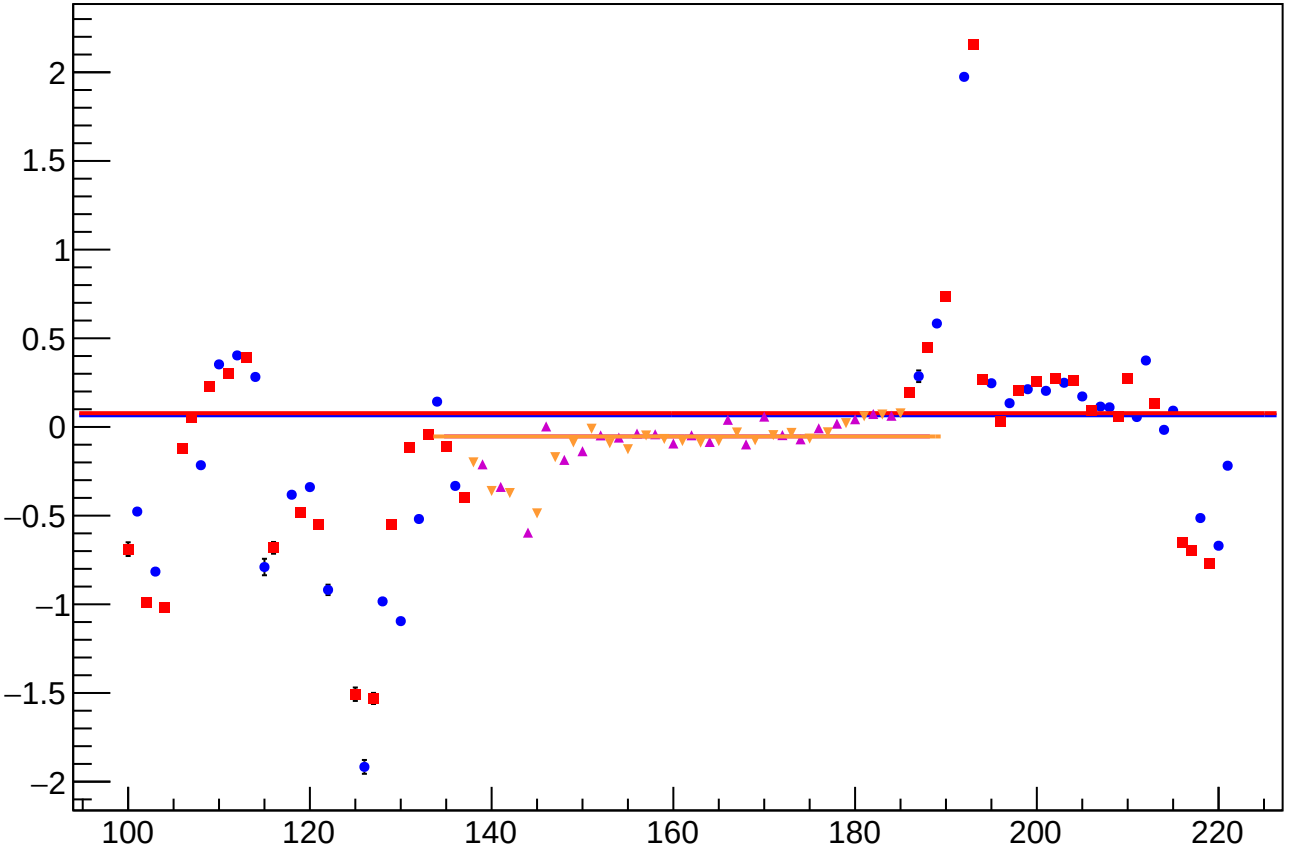
Right: -0.898+/-0.034 χ^2/NDF: 14957.8/68

In: -1.061+/-0.028 χ^2/NDF:16418.7/56

Out: -1.153+/-0.029 χ^2/NDF:10342.0/58

All: -1.106+/-0.020 χ^2/NDF: 26765.9/115

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.078+/-0.002 χ^2/NDF: 38381.8/34

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

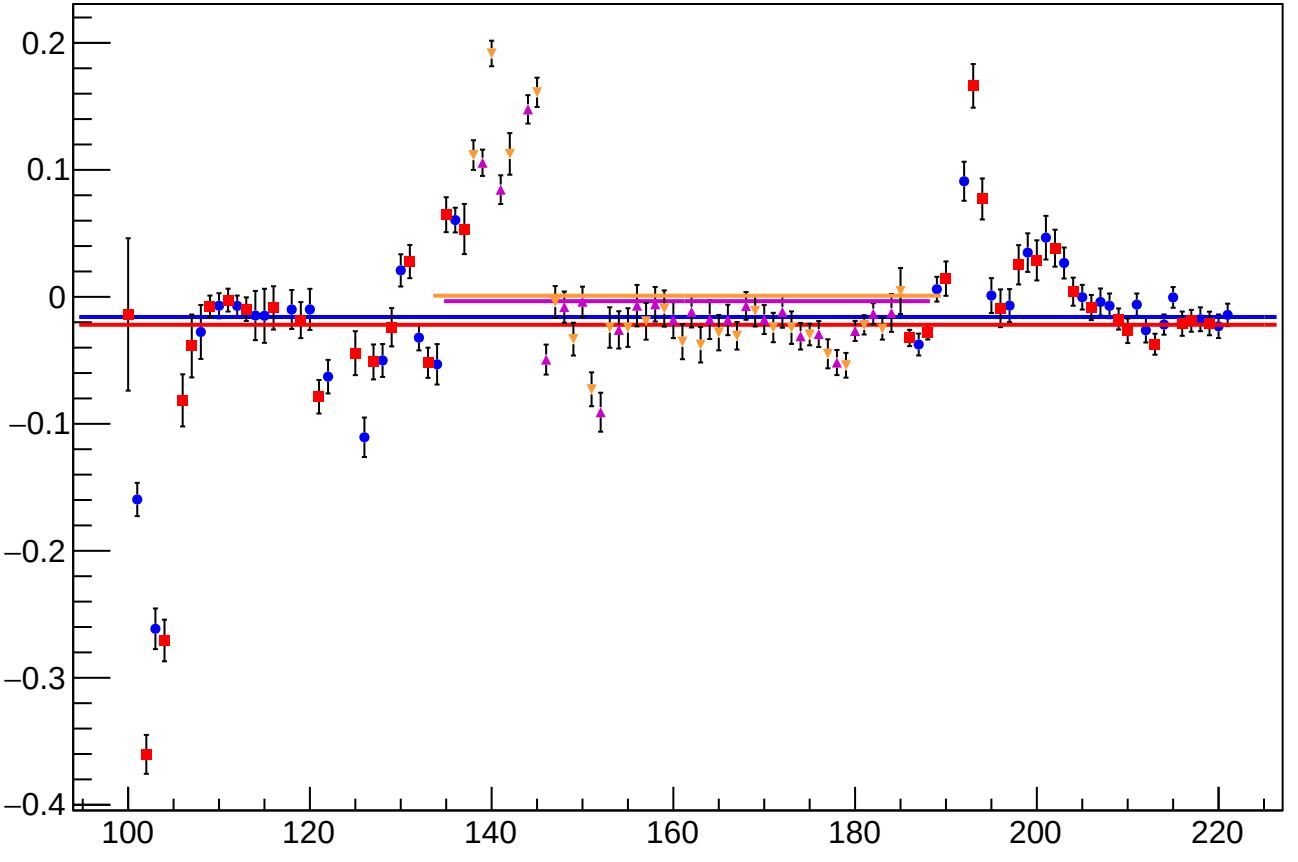
Right: 0.072+/-0.002 χ^2/NDF: 75616.5/68

In: -0.016+/-0.001 χ^2/NDF:44210.4/56

Out: -0.009+/-0.001 χ^2/NDF:45043.8/58

All: -0.013+/-0.001 χ^2/NDF: 89272.6/115

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 1054.8/34

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

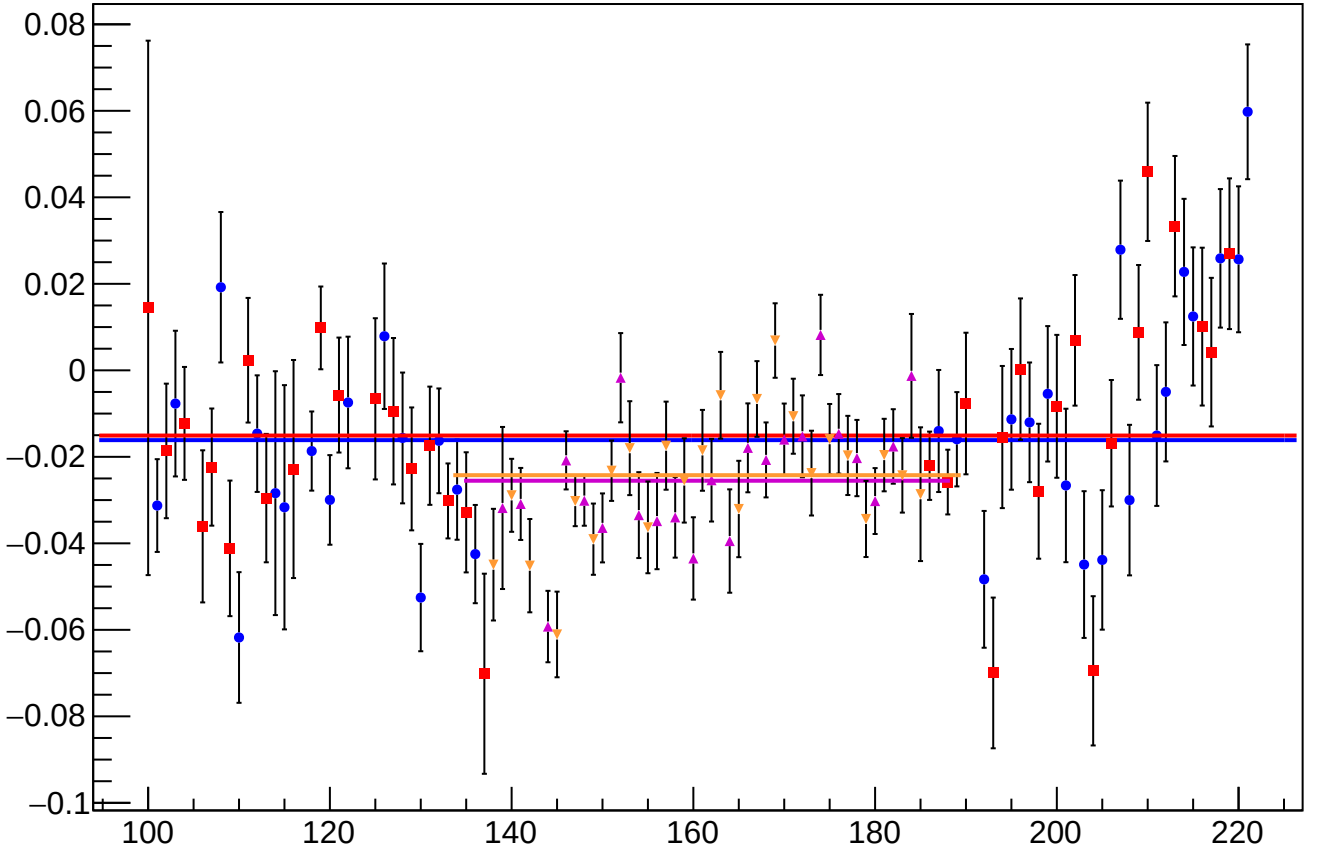
Right: -0.019+/-0.001 χ^2/NDF: 1662.8/68

In: -0.011+/-0.002 χ^2/NDF:1077.2/56

Out: -0.013+/-0.001 χ^2/NDF:1961.0/58

All: -0.012+/-0.001 χ^2/NDF: 3039.3/115

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: -0.015+/-0.002 χ^2/NDF: 87.1/34

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

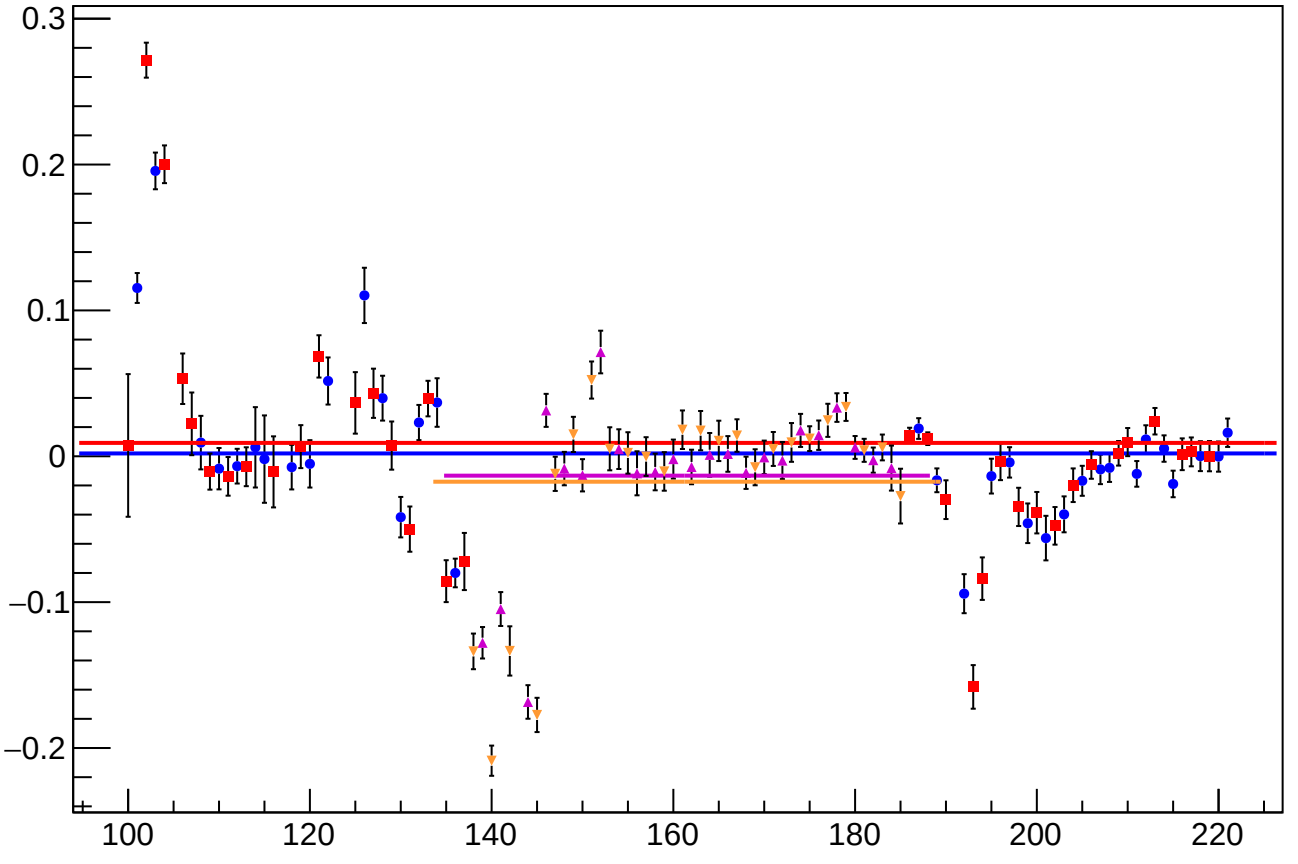
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.016+/-0.002 χ^2/NDF: 187.4/68

In: -0.022+/-0.001 χ^2/NDF:164.4/56

Out: -0.021+/-0.001 χ^2/NDF:150.2/58

All: -0.021+/-0.001 χ^2/NDF: 314.9/115



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: 1048.3/34

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

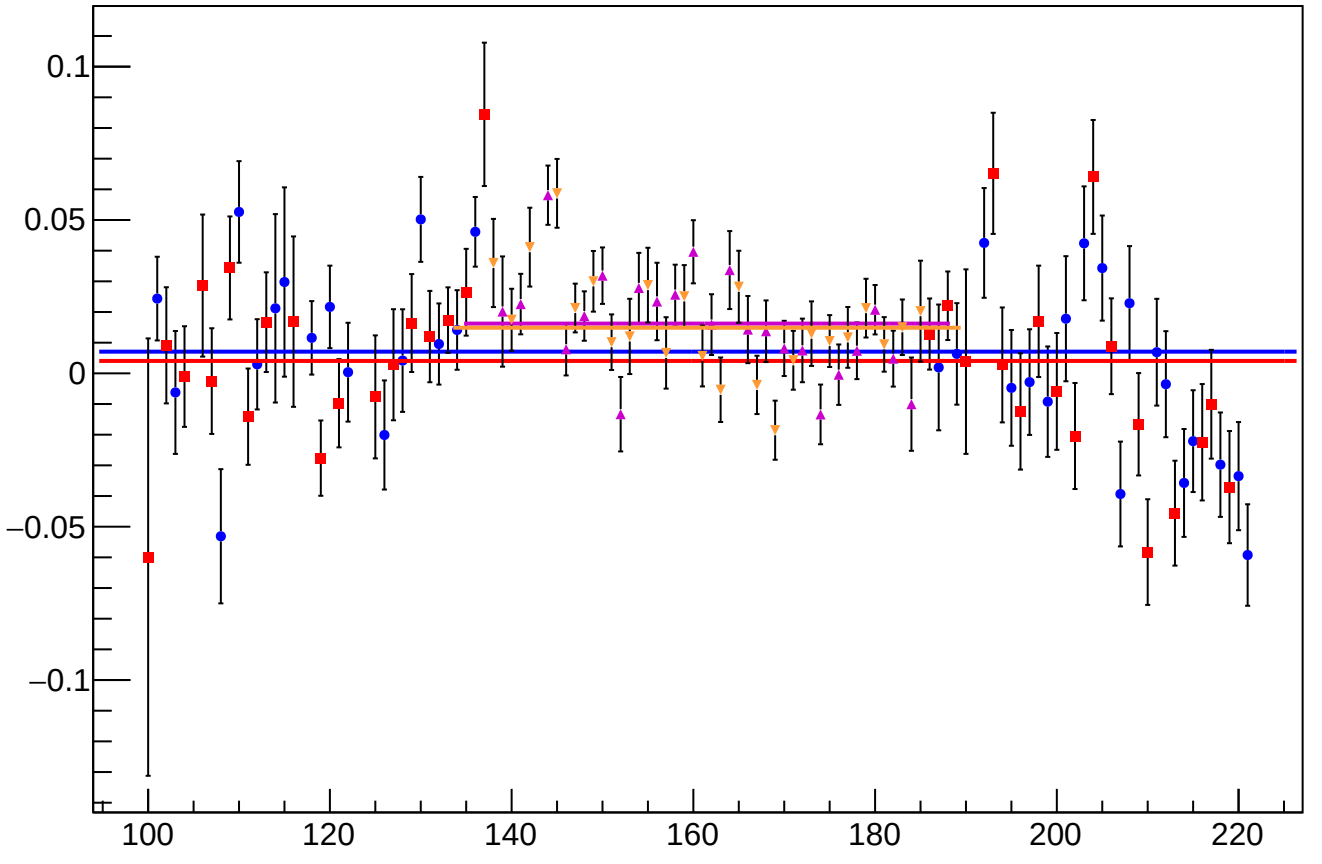
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

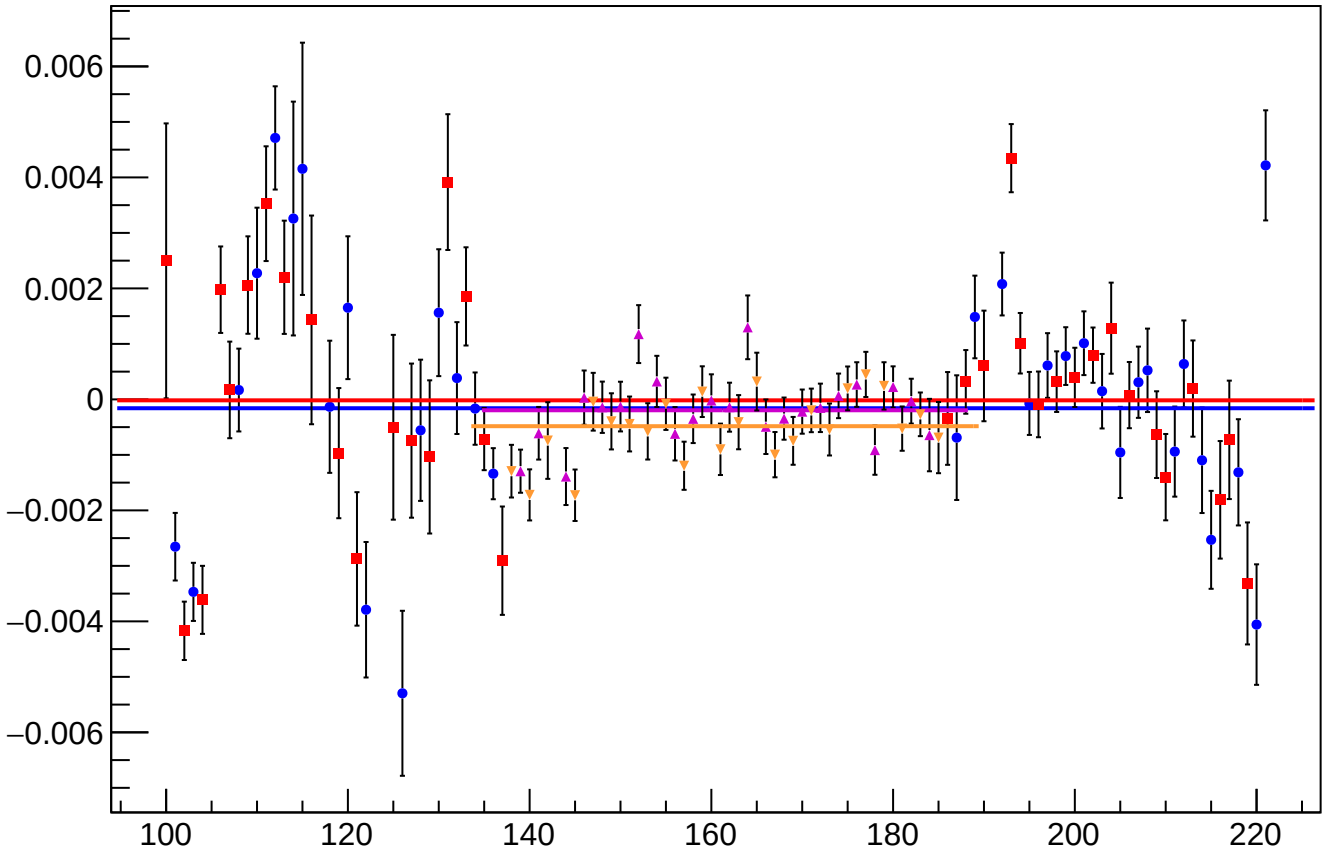
Right: 0.006+/-0.001 χ^2/NDF: 1671.8/68

In: -0.004+/-0.002 χ^2/NDF:1099.3/56

Out: -0.001+/-0.001 χ^2/NDF:1937.8/58

All: -0.003+/-0.001 χ^2/NDF: 3039.6/115


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: 0.007+/-0.003 χ²/NDF: 99.2/33
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.004+/-0.003 χ²/NDF: 89.9/34
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.006+/-0.002 χ²/NDF: 189.7/68
In: 0.013+/-0.002 χ²/NDF:164.0/56
Out: 0.011+/-0.002 χ²/NDF:151.5/58
All: 0.012+/-0.001 χ²/NDF: 316.1/115



Right In: -0.000+/-0.000 χ^2/NDF: 203.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 236.7/34

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

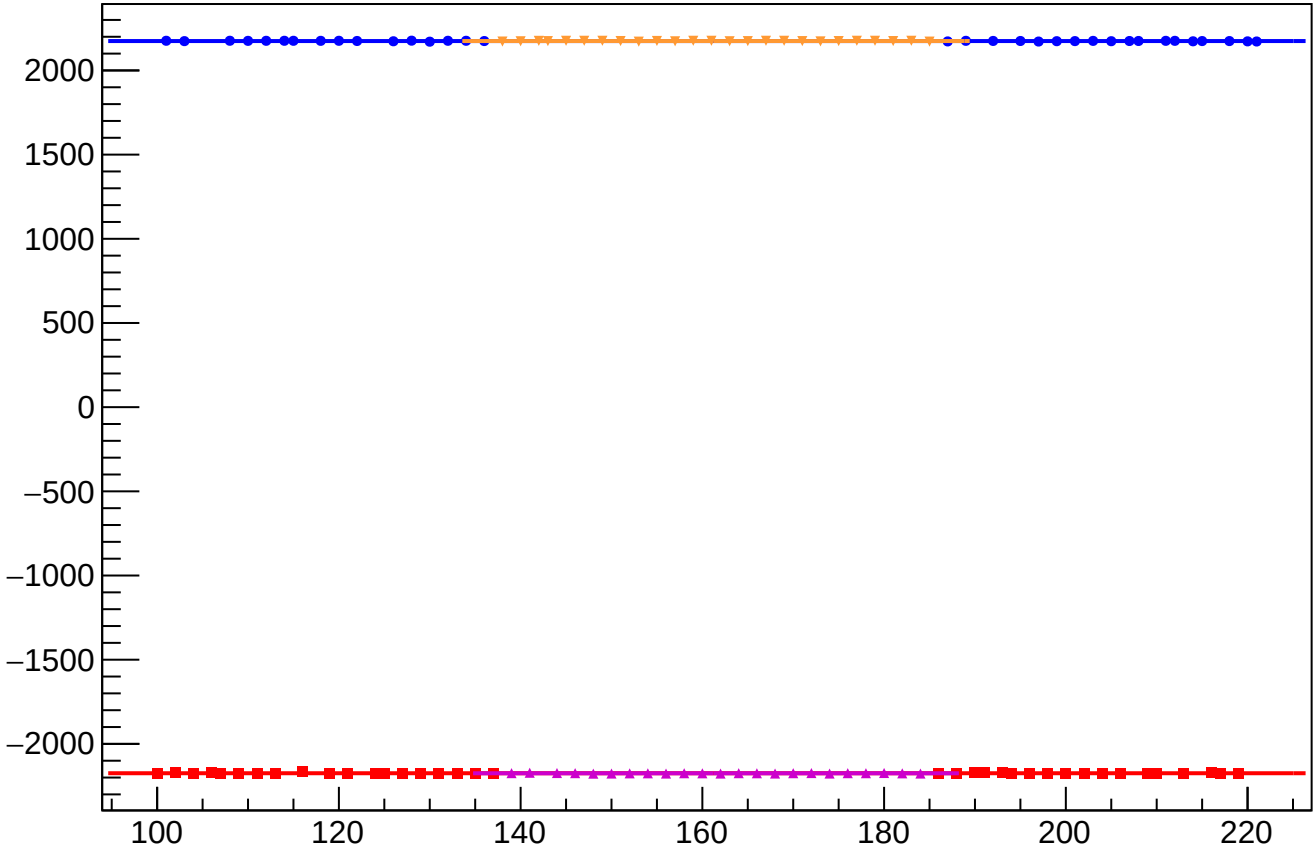
Right: -0.000+/-0.000 χ^2/NDF: 440.5/68

In: -0.000+/-0.000 χ^2/NDF:240.5/56

Out: -0.000+/-0.000 χ^2/NDF:286.0/58

All: -0.000+/-0.000 χ^2/NDF: 528.1/115

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:52116844463194421571996575984517 12.0/24

Right Out: -2174.332+/-0.000 χ^2/NDF: 1247822853569084135478357215150 0800.0/36

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

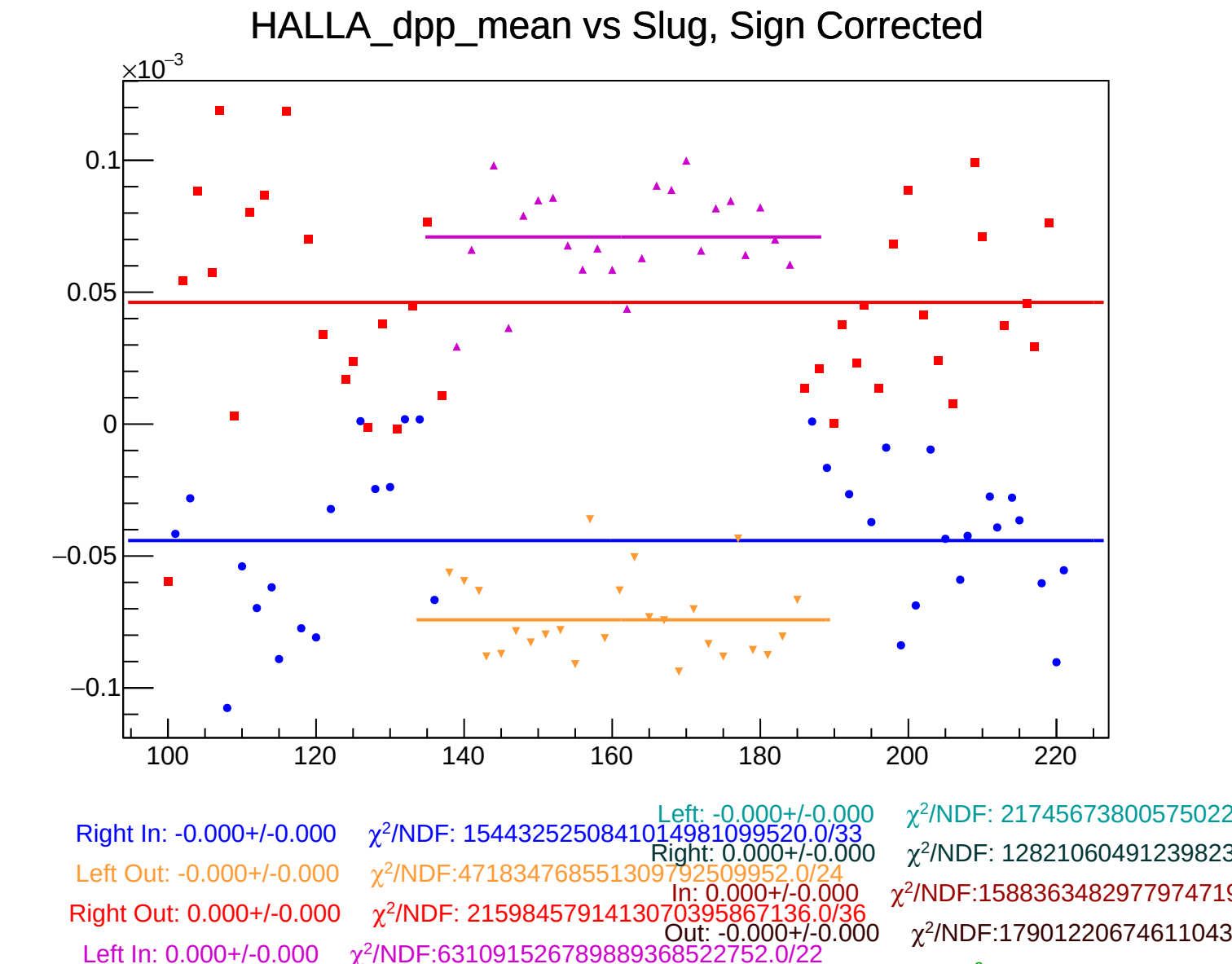
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: 28.286+/-0.000 χ^2/NDF: 2115987018638900

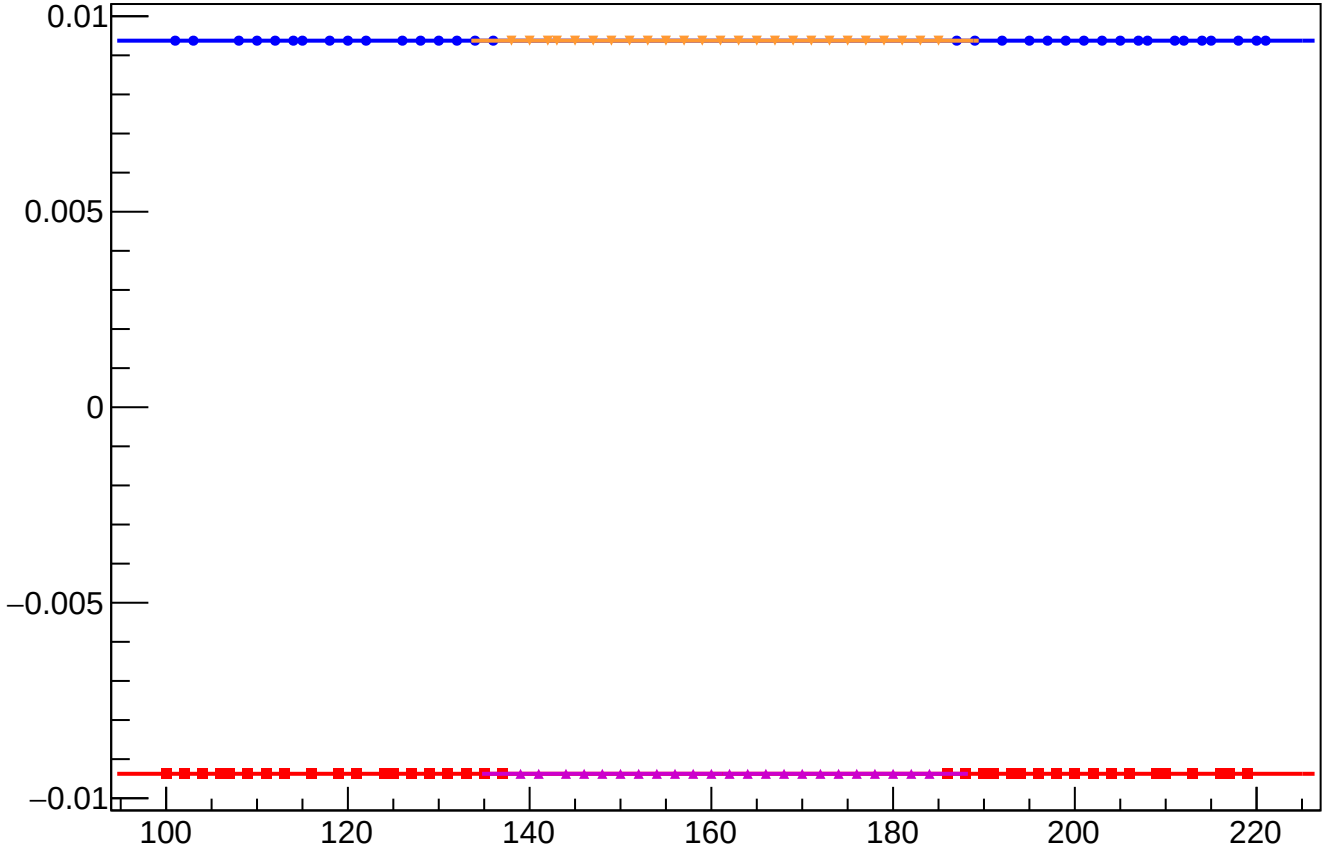
In: 188.107+/-0.000 χ^2/NDF:19585278212494517

Out: -98.101+/-0.000 χ^2/NDF:1994613668754145

All: 44.083+/-0.000 χ^2/NDF: 397034290845


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: 215984579141307039586713 6.0/36
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: 1282106049123982
In: 0.000+/-0.000 χ²/NDF:158836348297797471
Out: -0.000+/-0.000 χ²/NDF:17901220674611043
All: -0.000+/-0.000 χ²/NDF: 3460223176787

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: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

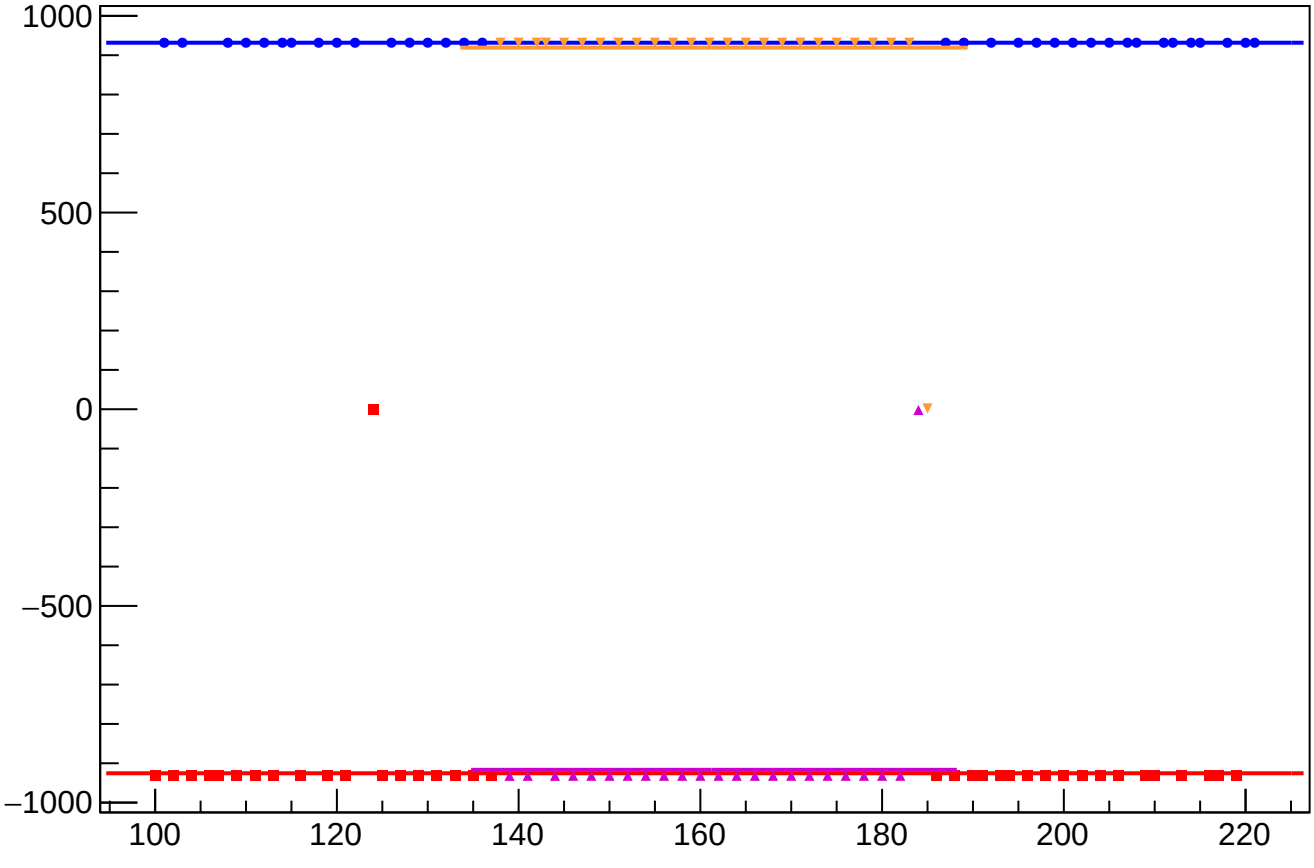
Right: 0.000+/-0.000 χ^2/NDF: 39333238207942268

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: 0.000+/-0.000 χ^2/NDF: 73797886439731

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



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: -925.434+/-0.000 χ^2/NDF: 1293337326132345214943365139999 0094784.0/36

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855 72352.0/22

Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

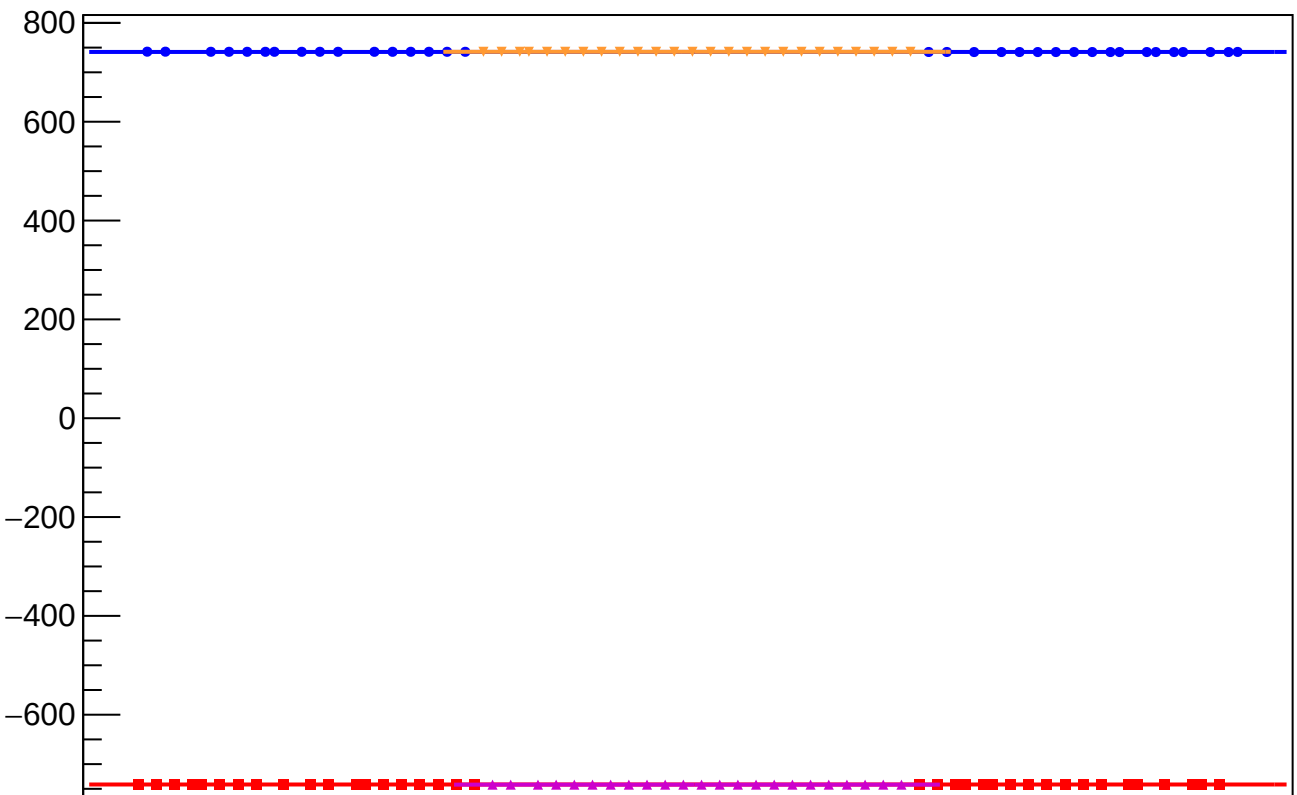
Right: 15.194+/-0.000 χ^2/NDF: 387189297783978 2

In: 87.503+/-0.000 χ^2/NDF:3564087197793173 90

Out: -44.722+/-0.000 χ^2/NDF:362496292747591 7

All: 20.965+/-0.000 χ^2/NDF: 722576392351 6

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.219+/-0.000 χ^2/NDF: 14821548211991186552864648672051 2.0/33

Left Out: 741.513+/-0.000 χ^2/NDF:251976310768126296231889600512.0/24

Right Out: -741.227+/-0.000 χ^2/NDF: 153041687196508102944580429676544.0/36

Left In: -741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

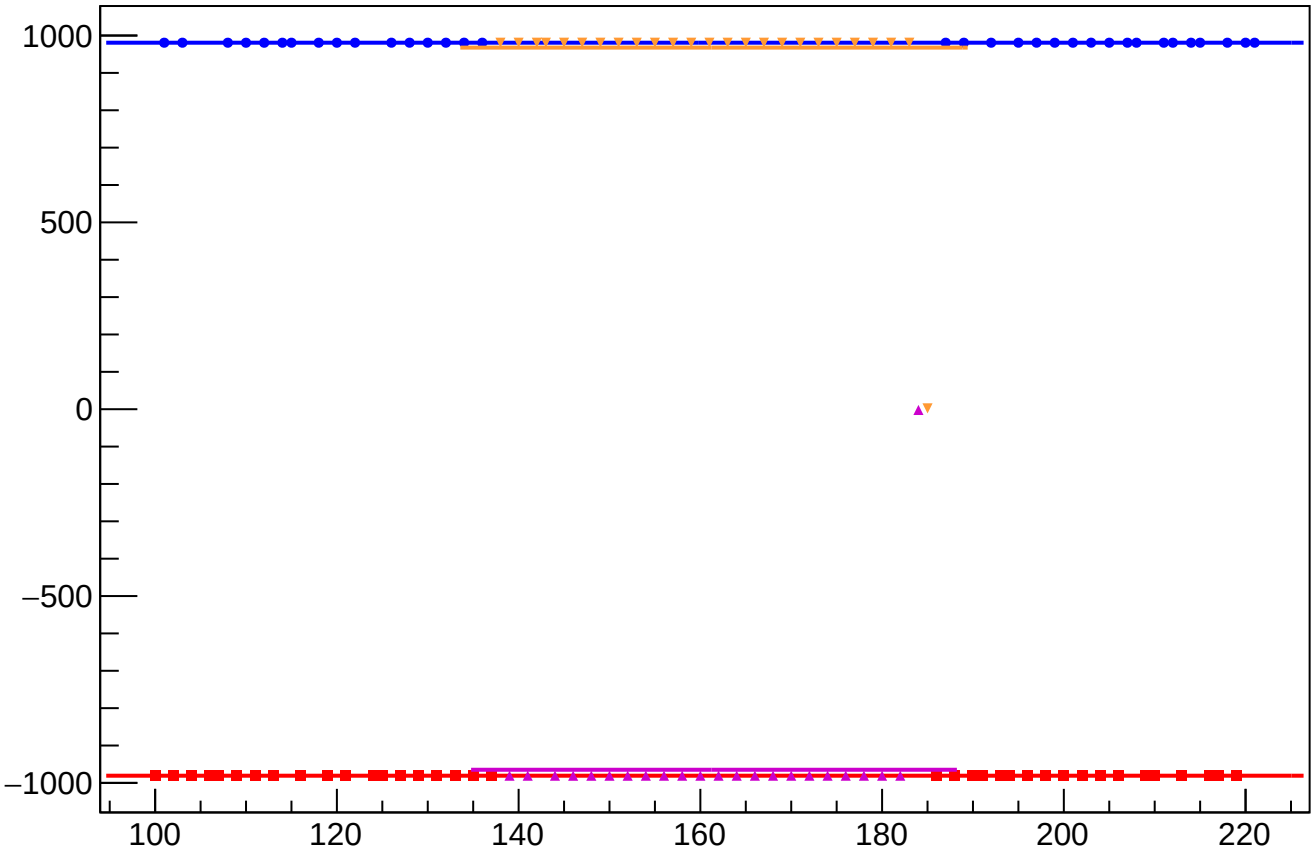
Right: 9.601+/-0.000 χ^2/NDF: 24587539635160963

In: 63.988+/-0.000 χ^2/NDF:22764133224422956 2

Out: -33.356+/-0.000 χ^2/NDF:2318540862171130

All: 15.003+/-0.000 χ^2/NDF: 461485269466 5

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:2550515560327992564154129577963369267 2.0/24

Right Out: -980.783+/-0.000 χ^2/NDF: 6364003421789029334335095203430 4.0/36

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

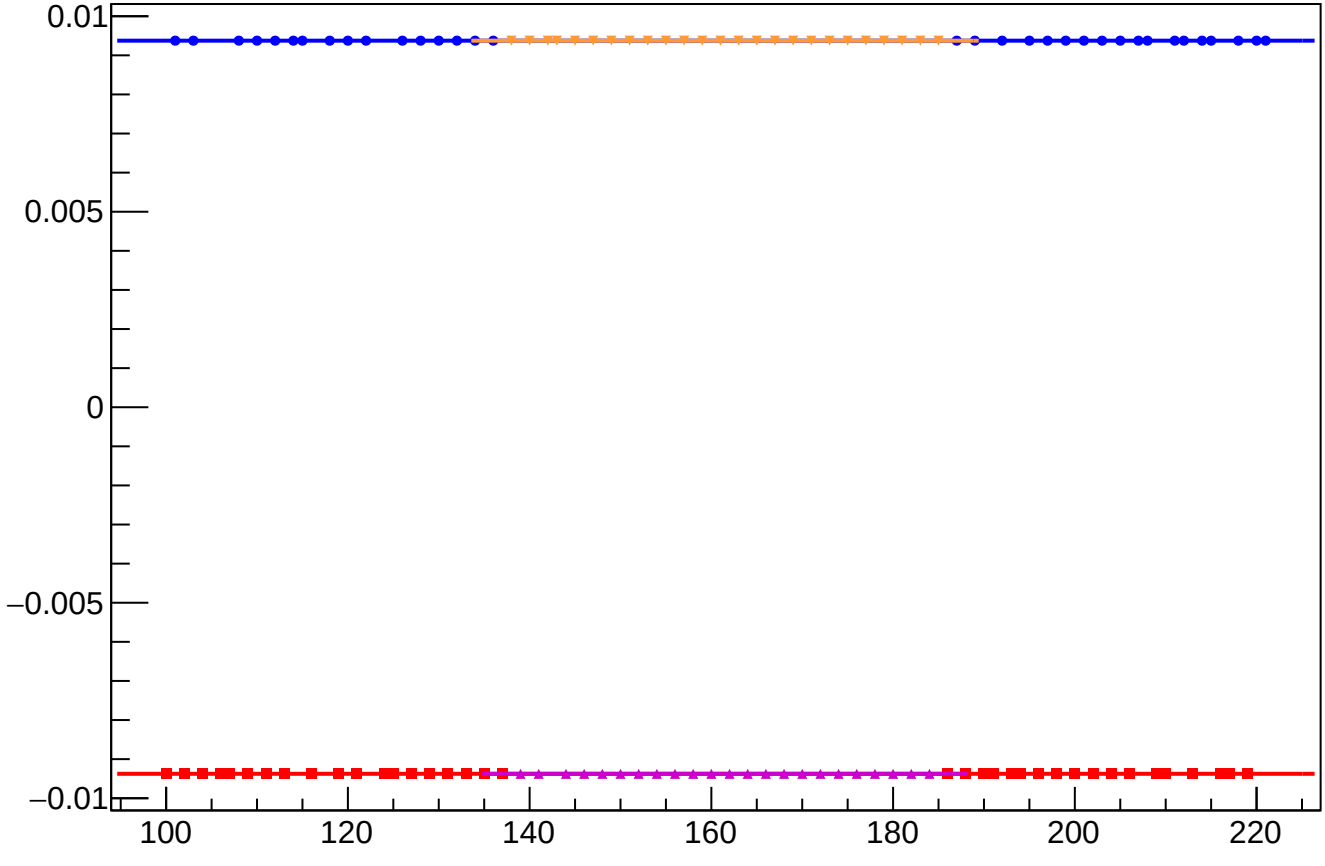
Right: 12.719+/-0.000 χ^2/NDF: 4304988300311593

In: 92.133+/-0.000 χ^2/NDF:394896960045043104

Out: -50.574+/-0.000 χ^2/NDF:4029259288730229

All: 20.320+/-0.000 χ^2/NDF: 802099422472

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: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

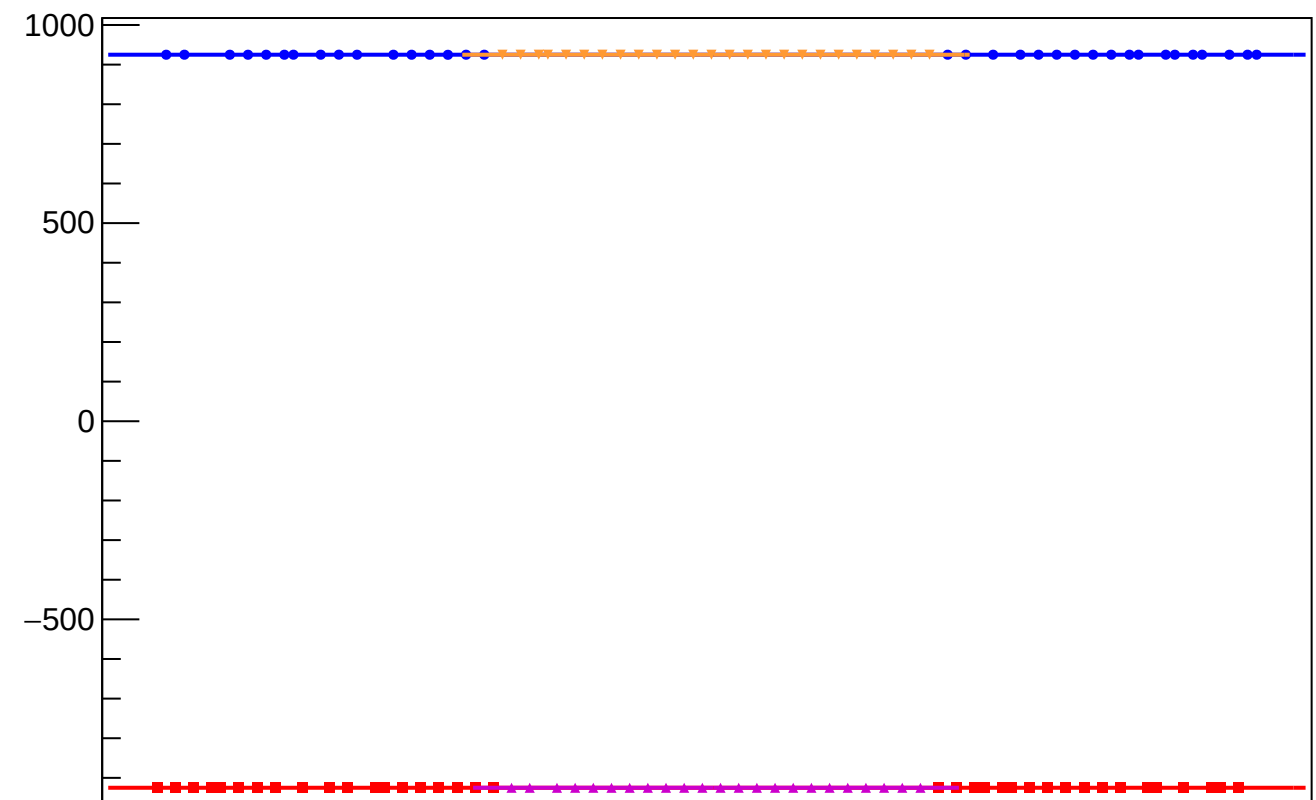
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: 0.000+/-0.000 χ^2/NDF: 39333238207942268

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: 0.000+/-0.000 χ^2/NDF: 73797886439731



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: -924.998+/-0.000 χ^2/NDF: 20649755715244683829818068828l6.0/36

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

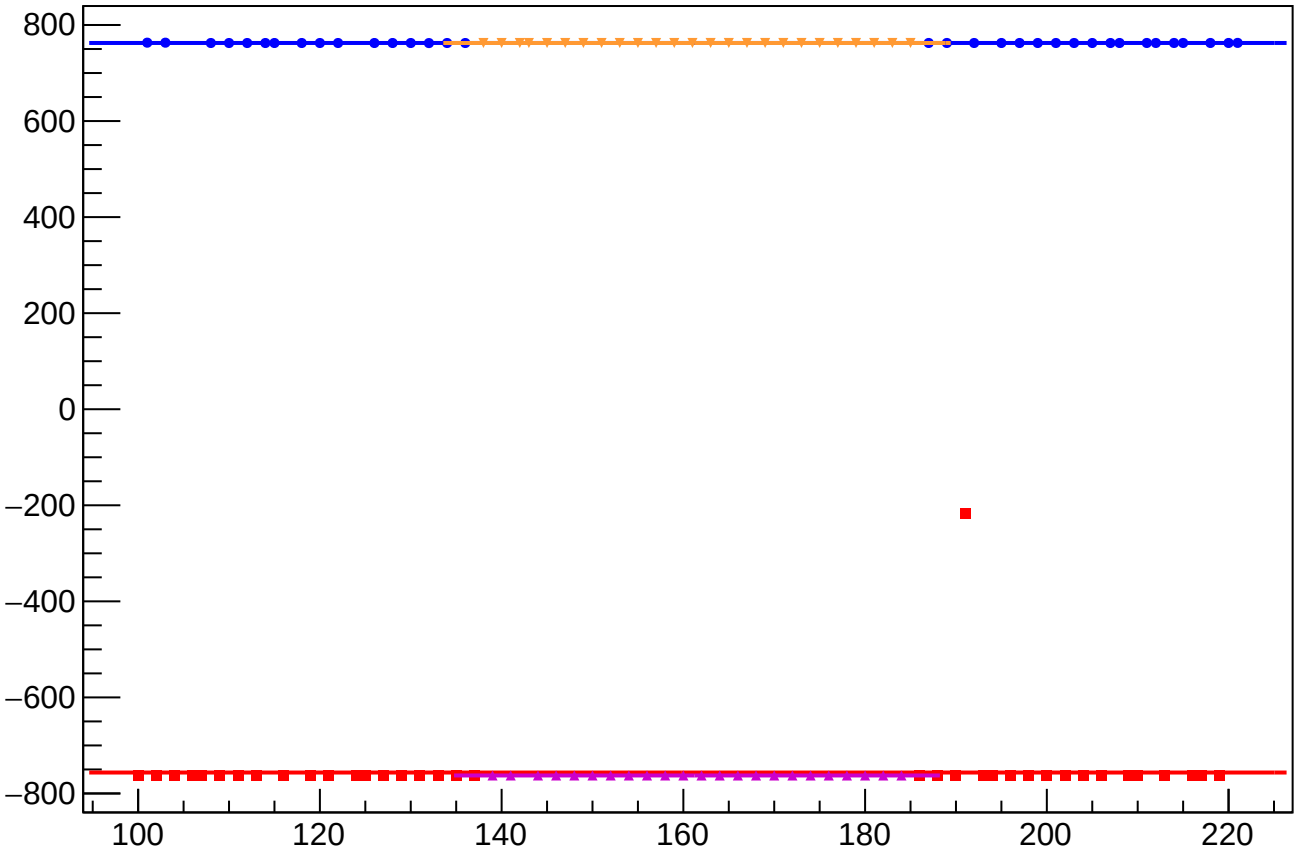
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

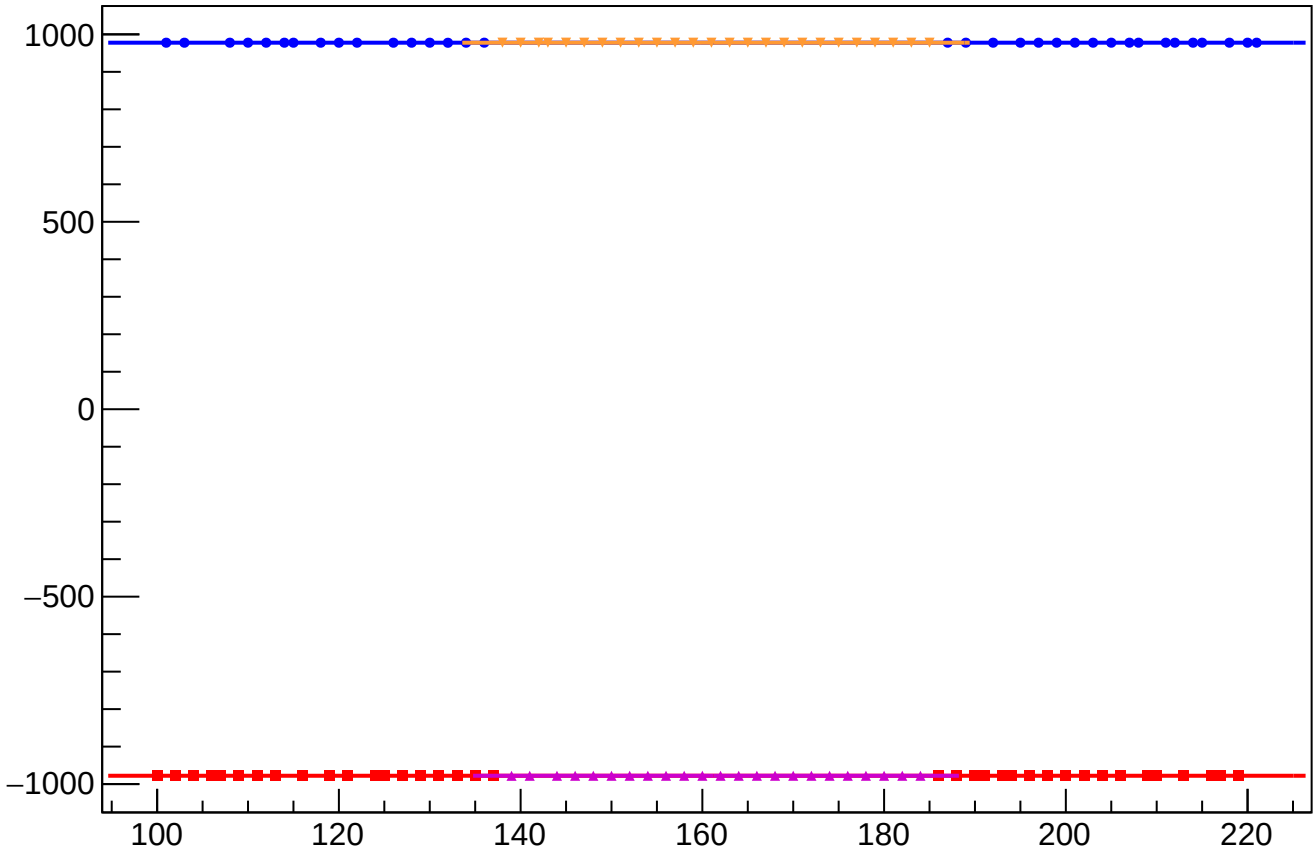
Right: 11.986+/-0.000 χ^2/NDF: 3829117867379298

In: 80.027+/-0.000 χ^2/NDF:354372890332728548

Out: -41.804+/-0.000 χ^2/NDF:3609270162971101

All: 18.720+/-0.000 χ^2/NDF: 7184167510412


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
220
Right In: 762.579+/-0.000 χ²/NDF: 581319657020769562365555460014 08.0/33
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -756.402+/-0.000 χ²/NDF: 735525919677402594863286680795113 0624.0/36
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: 12.930+/-0.000 χ²/NDF: 2588792885288000
In: 65.997+/-0.000 χ²/NDF:240835845482467240
Out: -31.259+/-0.000 χ²/NDF:2440425469652425
All: 17.056+/-0.000 χ²/NDF: 4868646231185



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: -977.758+/-0.000 χ^2/NDF: 28704491531679398075098715914240.0/36

Left In: -977.735+/-0.000 χ^2/NDF:10967664376054172546270725406720.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

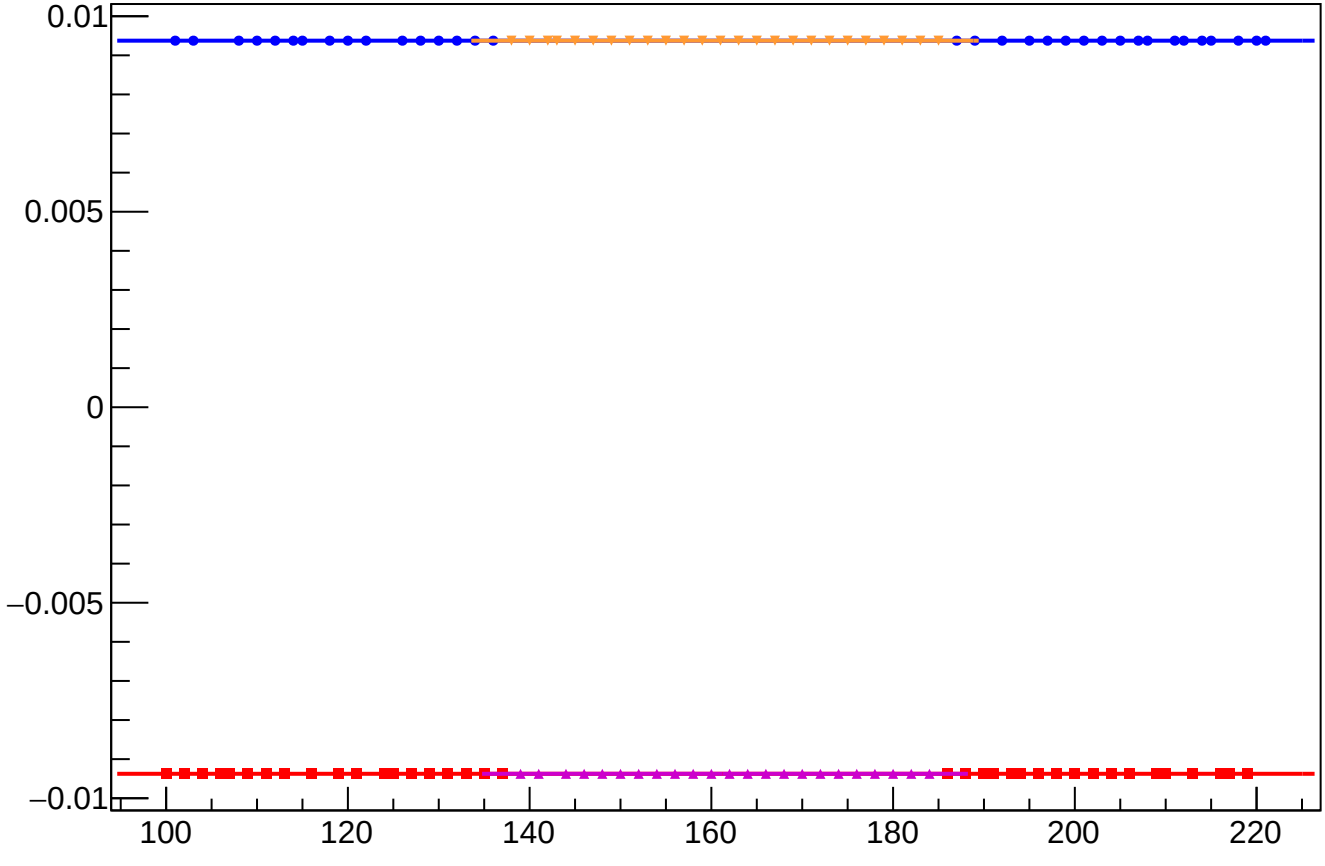
Right: 12.671+/-0.000 χ^2/NDF: 4278399921159352

In: 84.596+/-0.000 χ^2/NDF:39594964770057713

Out: -44.191+/-0.000 χ^2/NDF:4032723795862382

All: 19.789+/-0.000 χ^2/NDF: 8027049637214

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: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

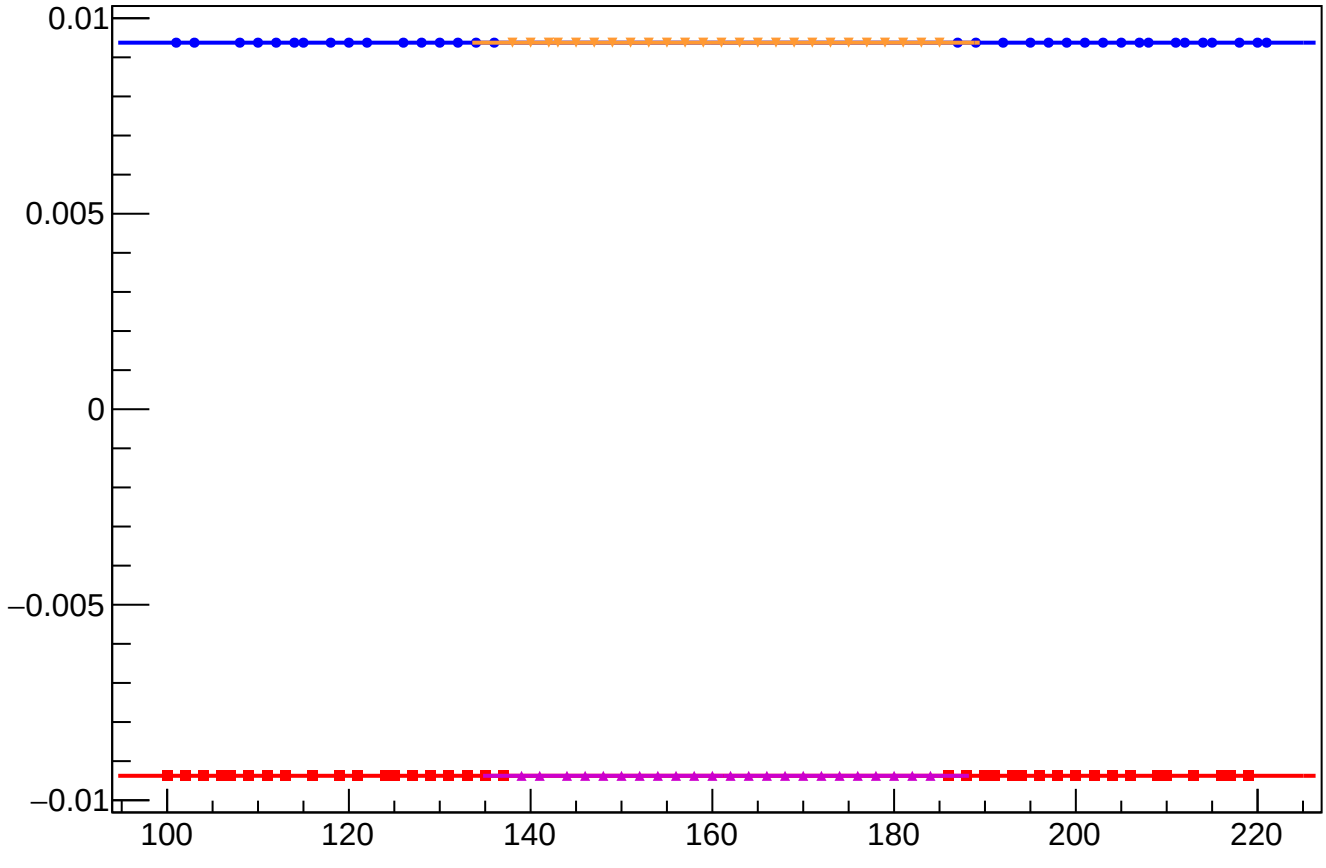
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: 0.000+/-0.000 χ^2/NDF: 39333238207942268

In: 0.001+/-0.000 χ^2/NDF:3640227916067564302

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: 0.000+/-0.000 χ^2/NDF: 73797886439731



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: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

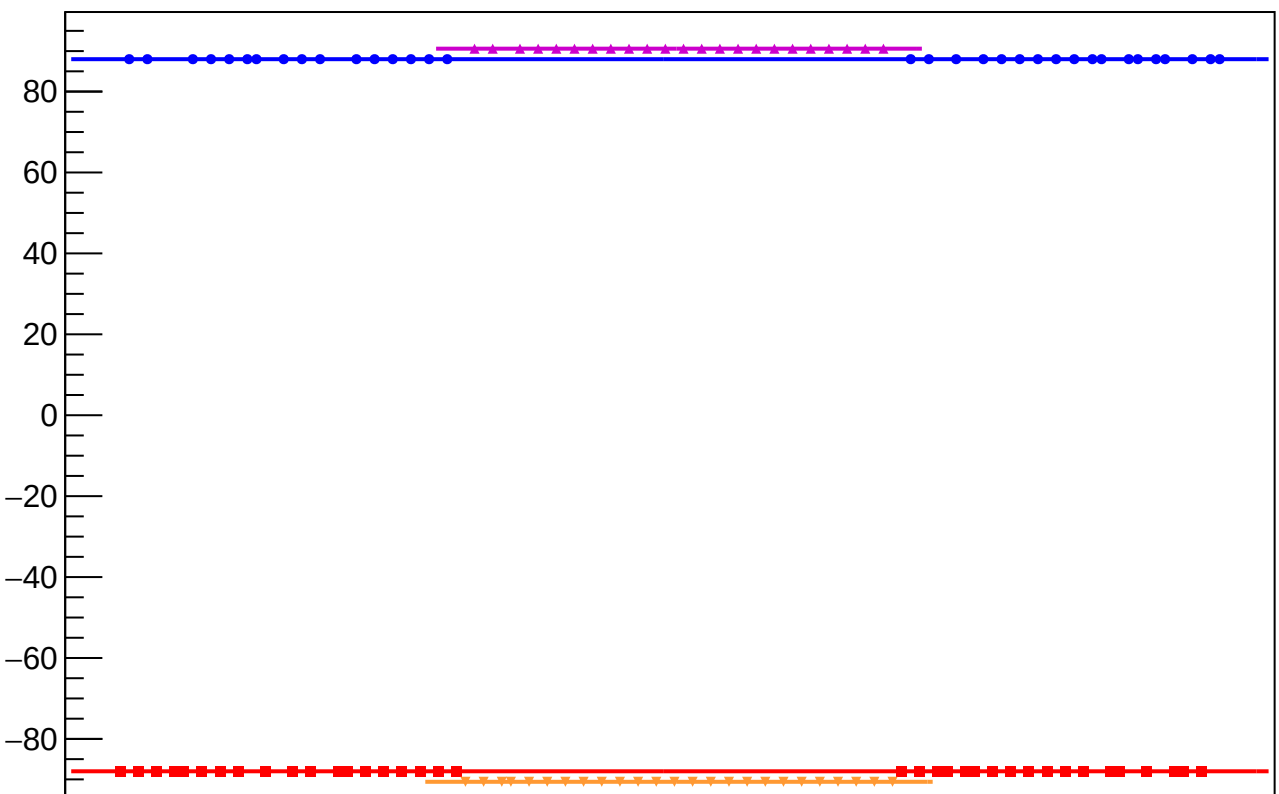
Right: 0.000+/-0.000 χ^2/NDF: 39333238207942268

In: 0.001+/-0.000 χ^2/NDF:364022791606756430

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: 0.000+/-0.000 χ^2/NDF: 73797886439731

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: 768778896372931767394872852480/36

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

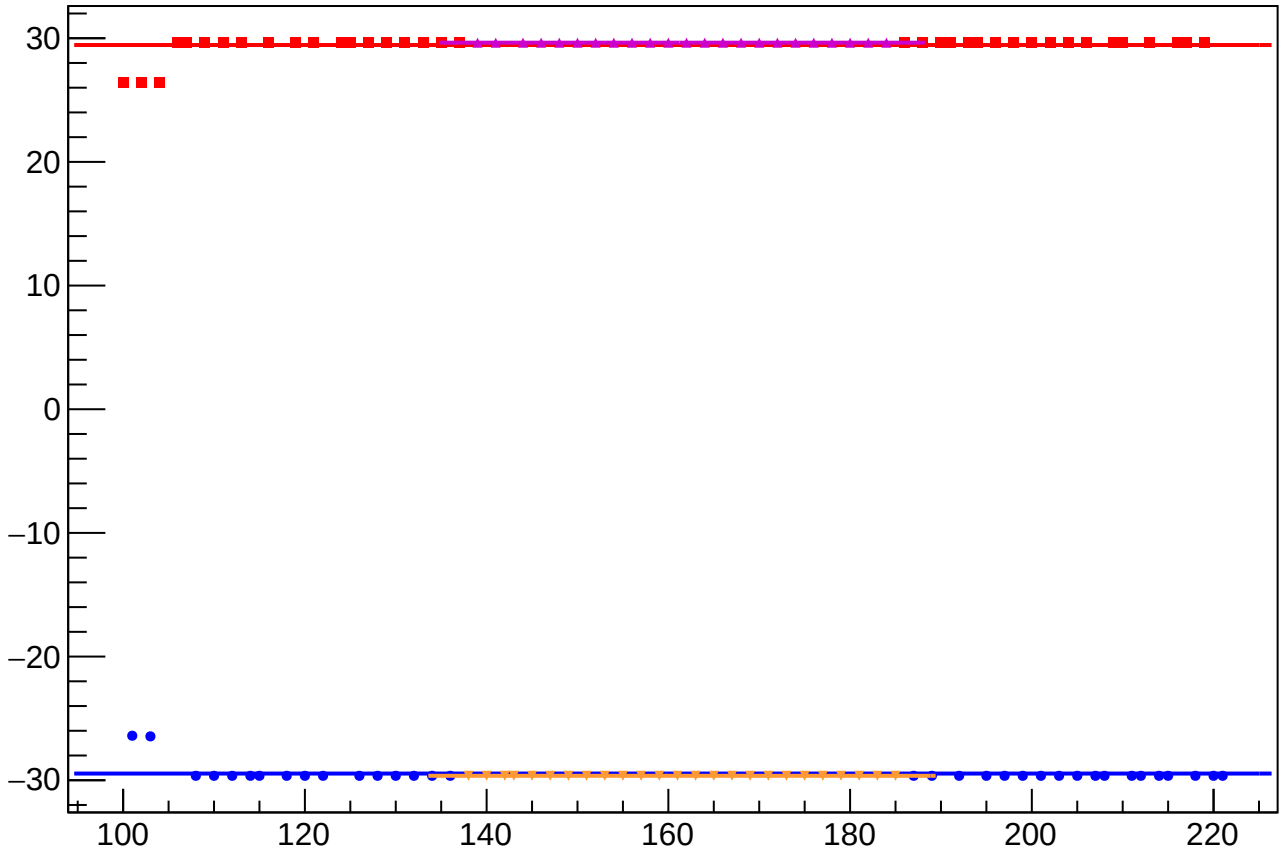
Right: 1.140+/-0.000 χ^2/NDF: 34657245553874690

In: 89.188+/-0.000 χ^2/NDF:699202239848365625

Out: -89.242+/-0.000 χ^2/NDF:7116294340709575

All: -0.601+/-0.000 χ^2/NDF: 6686913557866

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: 29.451+/-0.000 χ^2/NDF: 127510911362607266363346555764736 0.0/36

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 3444705147343189 2

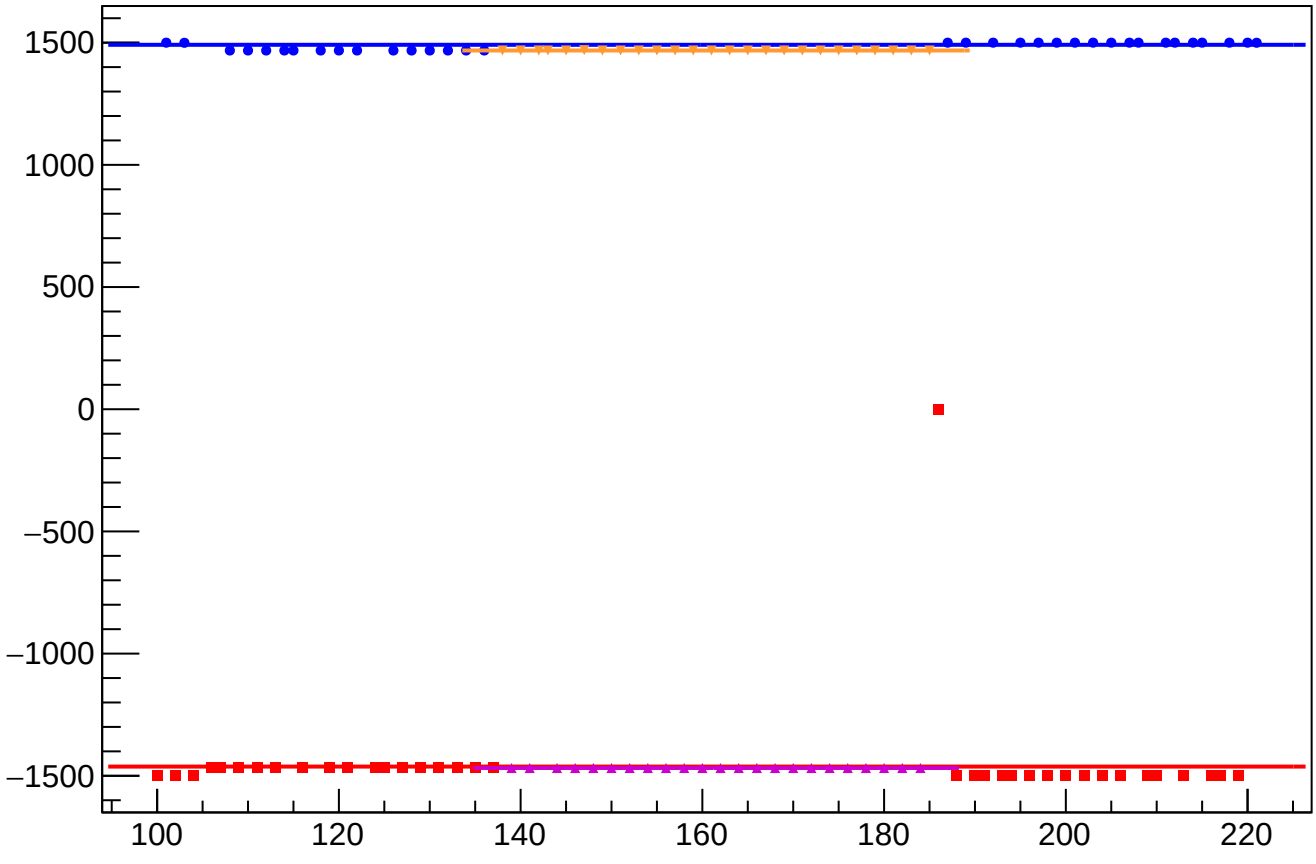
Right: -0.386+/-0.000 χ^2/NDF: 388532645254852 8

In: -2.466+/-0.000 χ^2/NDF:361783994331179254

Out: 1.240+/-0.000 χ^2/NDF:368379350863585954

All: -0.601+/-0.000 χ^2/NDF: 733047496877 3

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1491.312+/-0.000 χ^2/NDF: 4574288768589075396557601350845726720/33

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1462.291+/-0.000 χ^2/NDF: 92007693713298389905267586861266632704.0/36

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

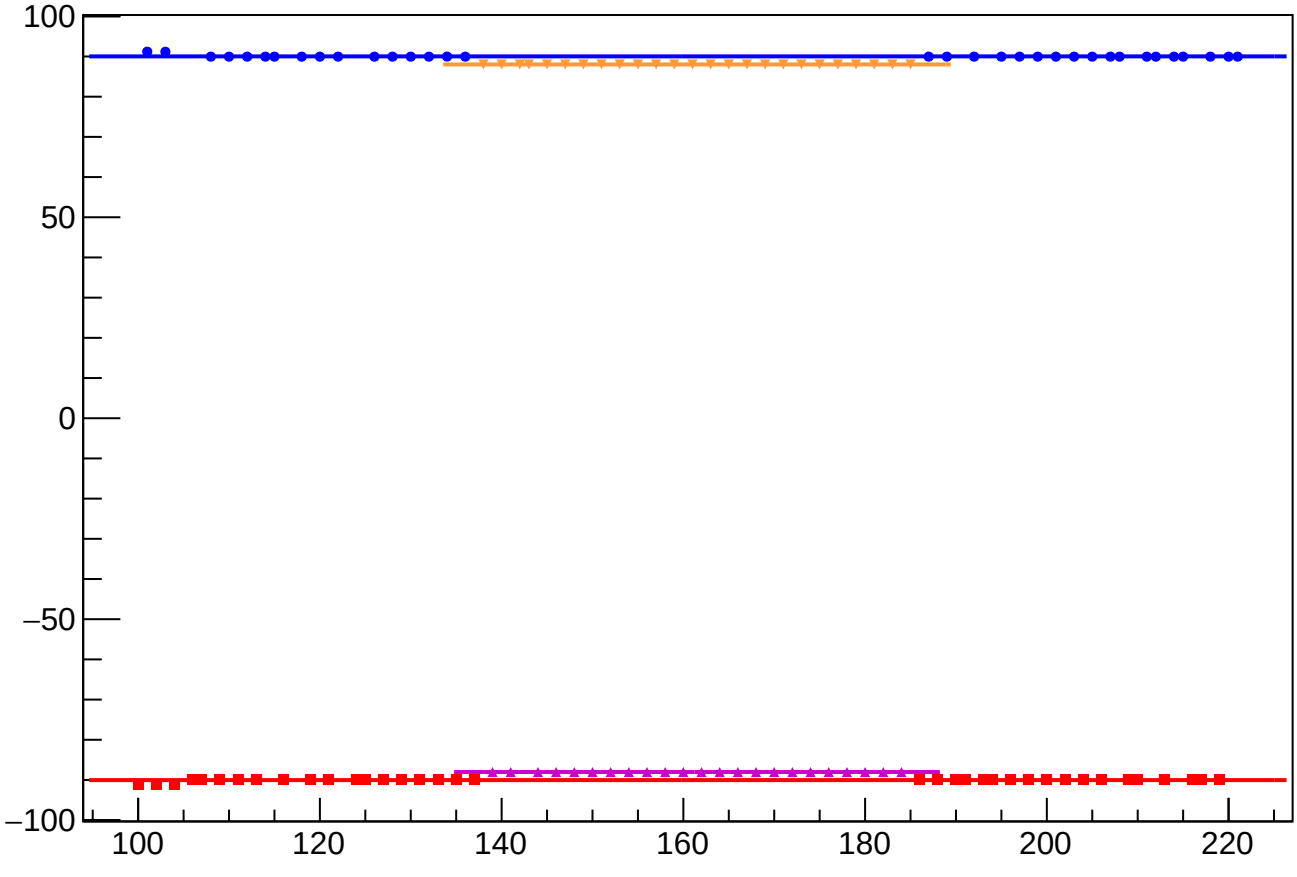
Right: 33.647+/-0.000 χ^2/NDF: 9852721938851697

In: 139.662+/-0.000 χ^2/NDF:9068333984552465

Out: -63.325+/-0.000 χ^2/NDF:9147686908805825

All: 37.516+/-0.000 χ^2/NDF: 1830254469873

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: -90.032+/-0.000 χ^2/NDF: 18676723947490323233054979522560 0.0/36

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

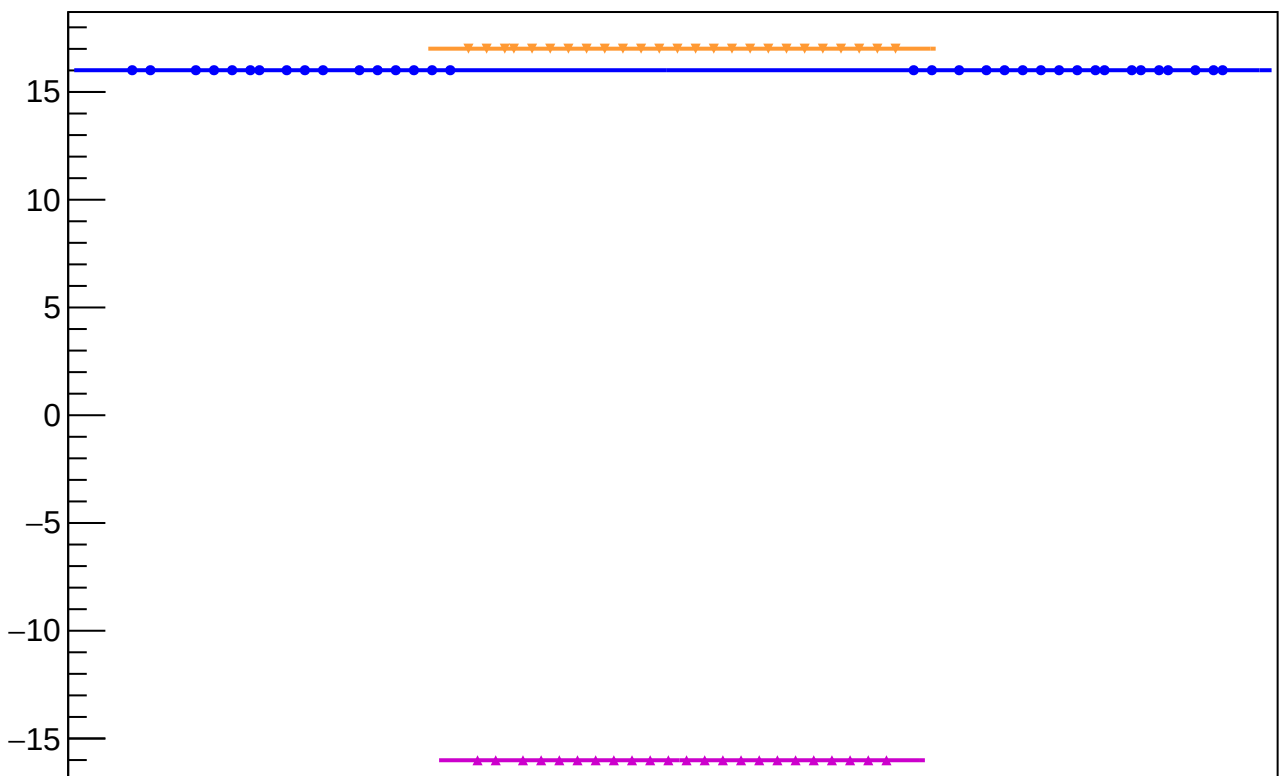
Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238484

Right: 1.165+/-0.000 χ^2/NDF: 362743660746109752

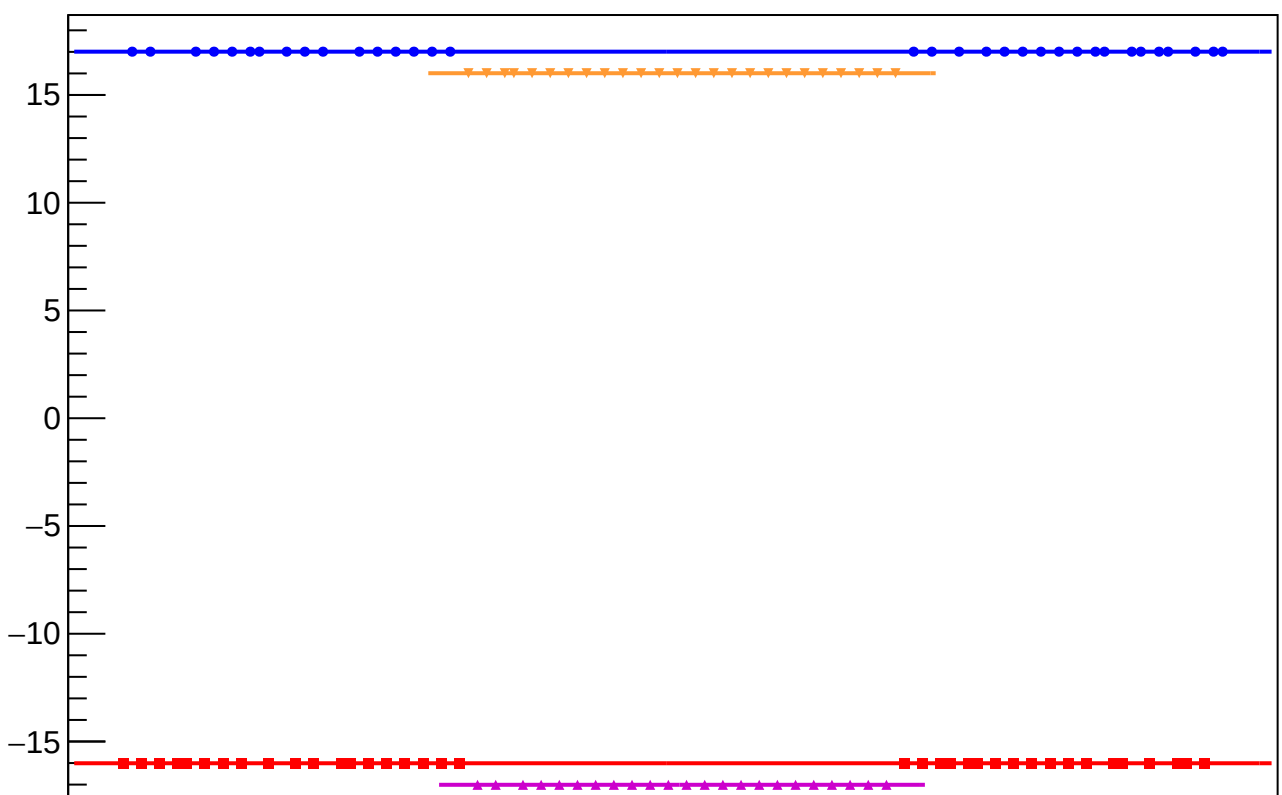
In: 8.706+/-0.000 χ^2/NDF:3282549585194962820

Out: -5.028+/-0.000 χ^2/NDF:33433572320159125

All: 1.795+/-0.000 χ^2/NDF: 66655148561647


IGL1I00DI24_24M_mean vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
220
Right In: 16.009+/-0.000 χ²/NDF: 997451282295002295697408.0/33
Left Out: 17.009+/-0.000 χ²/NDF:279903456758836896737525760/24
Right Out: -17.009+/-0.000 χ²/NDF: 22583579773521684059914240.0/36
Left In: -16.009+/-0.000 χ²/NDF:12468791216706352368844 8.0/22
Left: 0.967+/-0.000 χ²/NDF: 991588108006867686
Right: -0.164+/-0.000 χ²/NDF: 1189767286951278
In: 1.838+/-0.000 χ²/NDF:10109214636324554660
Out: -1.132+/-0.000 χ²/NDF:11553033910009809
All: 0.350+/-0.000 χ²/NDF: 2183892900445

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 9976083135251232147374 08.0/33

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 2459179950368763569766 4.0/36

Left In: -17.009+/-0.000 χ^2/NDF:1110071044208815662694 40.0/22

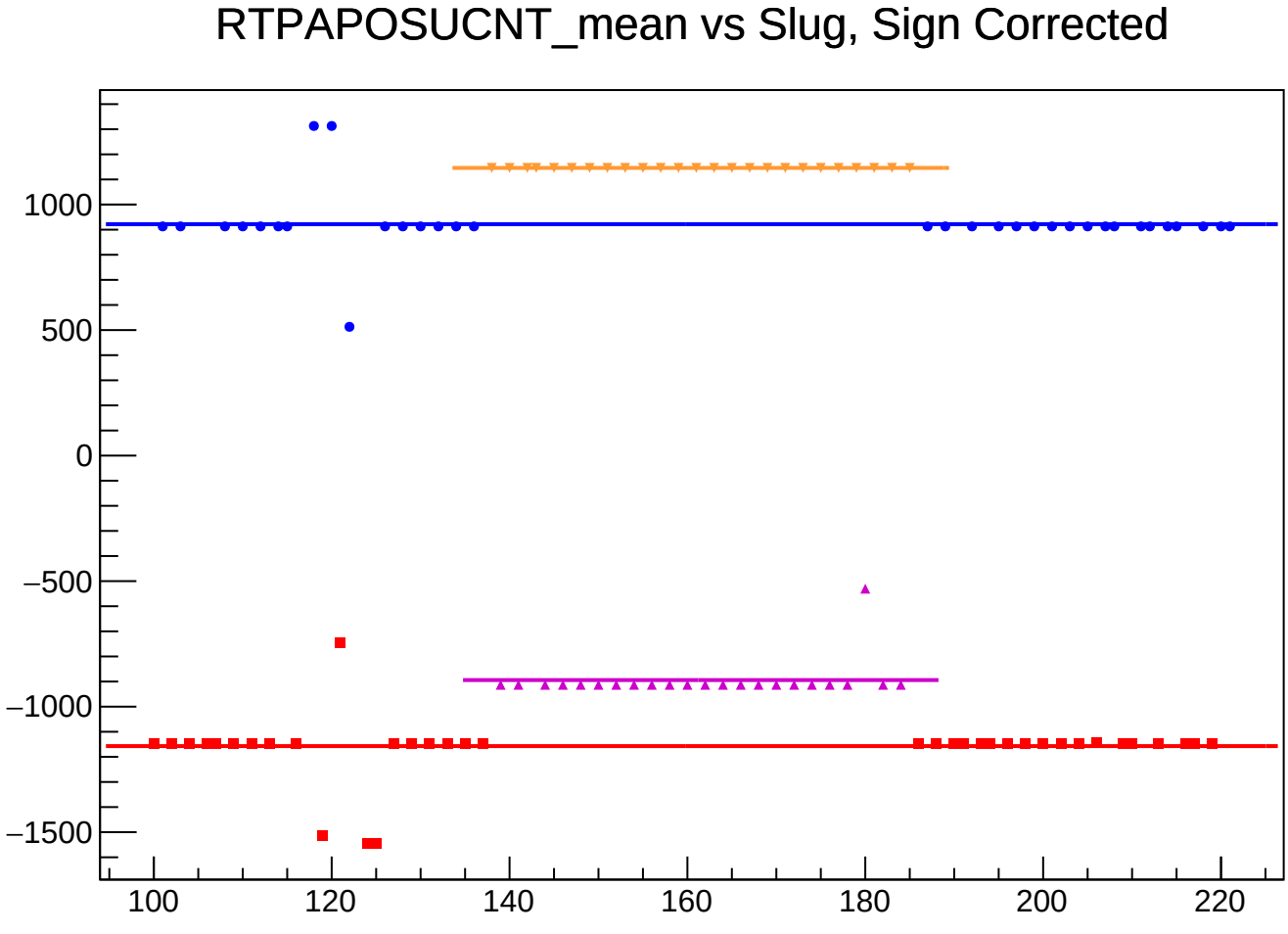
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

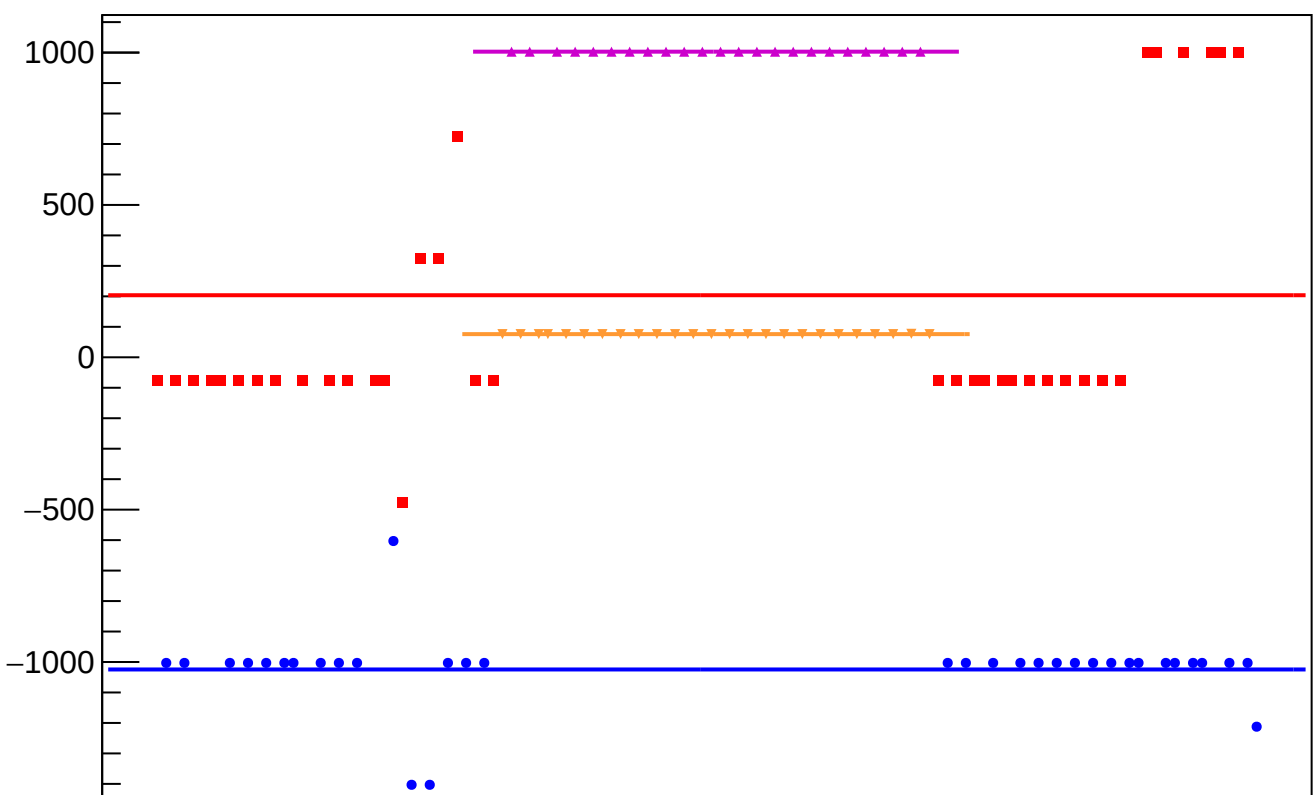
Right: 0.604+/-0.000 χ^2/NDF: 12095702849562423

In: 1.550+/-0.000 χ^2/NDF:1174346993166712571

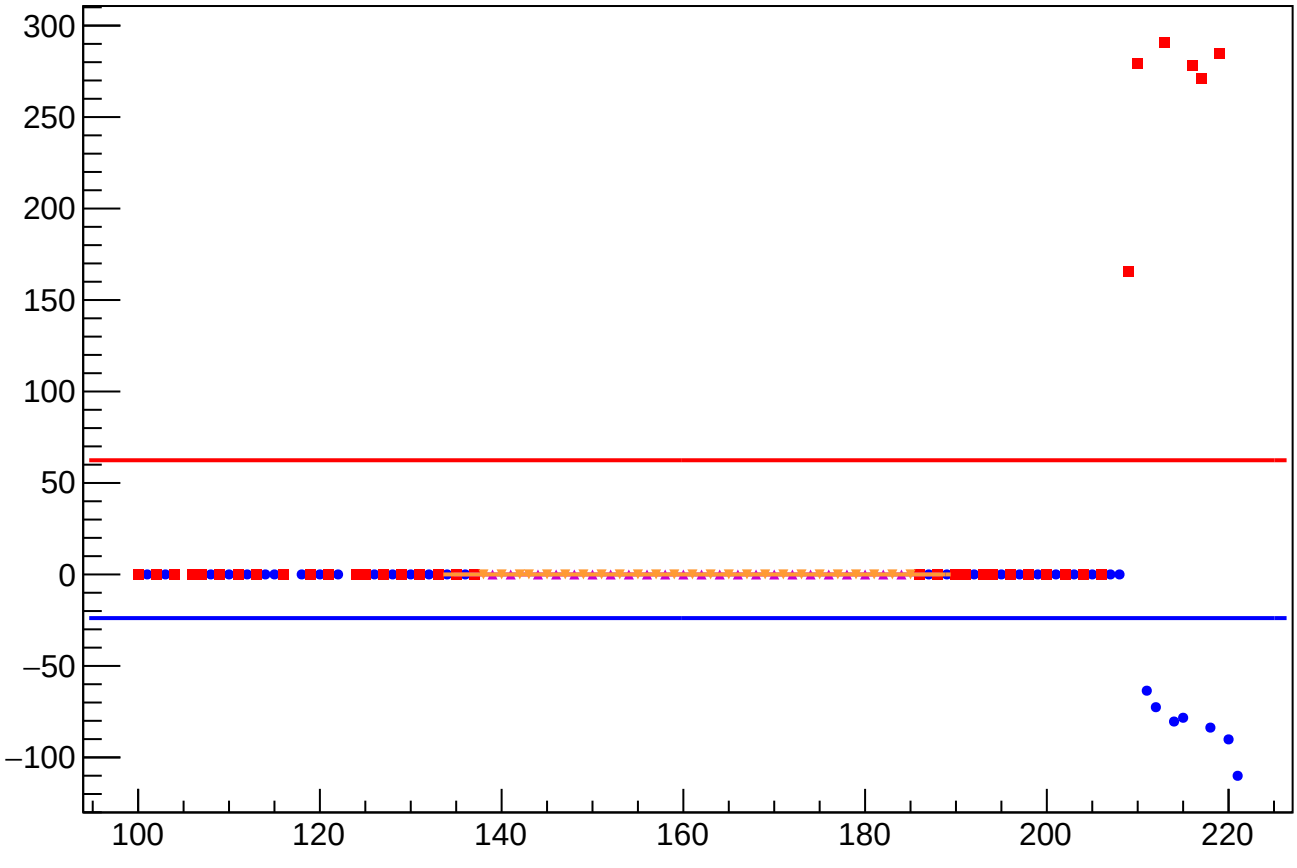
Out: -0.812+/-0.000 χ^2/NDF:10729203265648347

All: 0.354+/-0.000 χ^2/NDF: 2258833650731 8


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: -1157.149+/-0.000 χ²/NDF: 22672627163634123932983427652994990080.0/36
Left In: -894.107+/-0.000 χ²/NDF:13107238299211712783896183802964213760.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -104.286+/-0.000 χ²/NDF: 48788981079421
In: 92.305+/-0.000 χ²/NDF:344832977409546647
Out: -57.599+/-0.000 χ²/NDF:5616848173190948
All: 16.871+/-0.000 χ²/NDF: 9112366079941


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right In: -1024.505+/-0.000 χ²/NDF: 2739042349254403916193959411711580569 6.0/33
Right: -418.367+/-0.000 χ²/NDF: 22018434970727
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: -98.455+/-0.000 χ²/NDF:428382165242048 01
Right Out: 203.687+/-0.000 χ²/NDF: 486775034884807747128635453543475576832.0/36
Out: 142.753+/-0.000 χ²/NDF:503954893363166 7
Left In: 1002.990+/-0.000 χ²/NDF:295195590334831475309726924 8.0/22
All: 22.924+/-0.000 χ²/NDF: 490995299513

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: 62.418+/-0.000 χ^2/NDF: 284711156012933953192940946095488368 64.0/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466 23

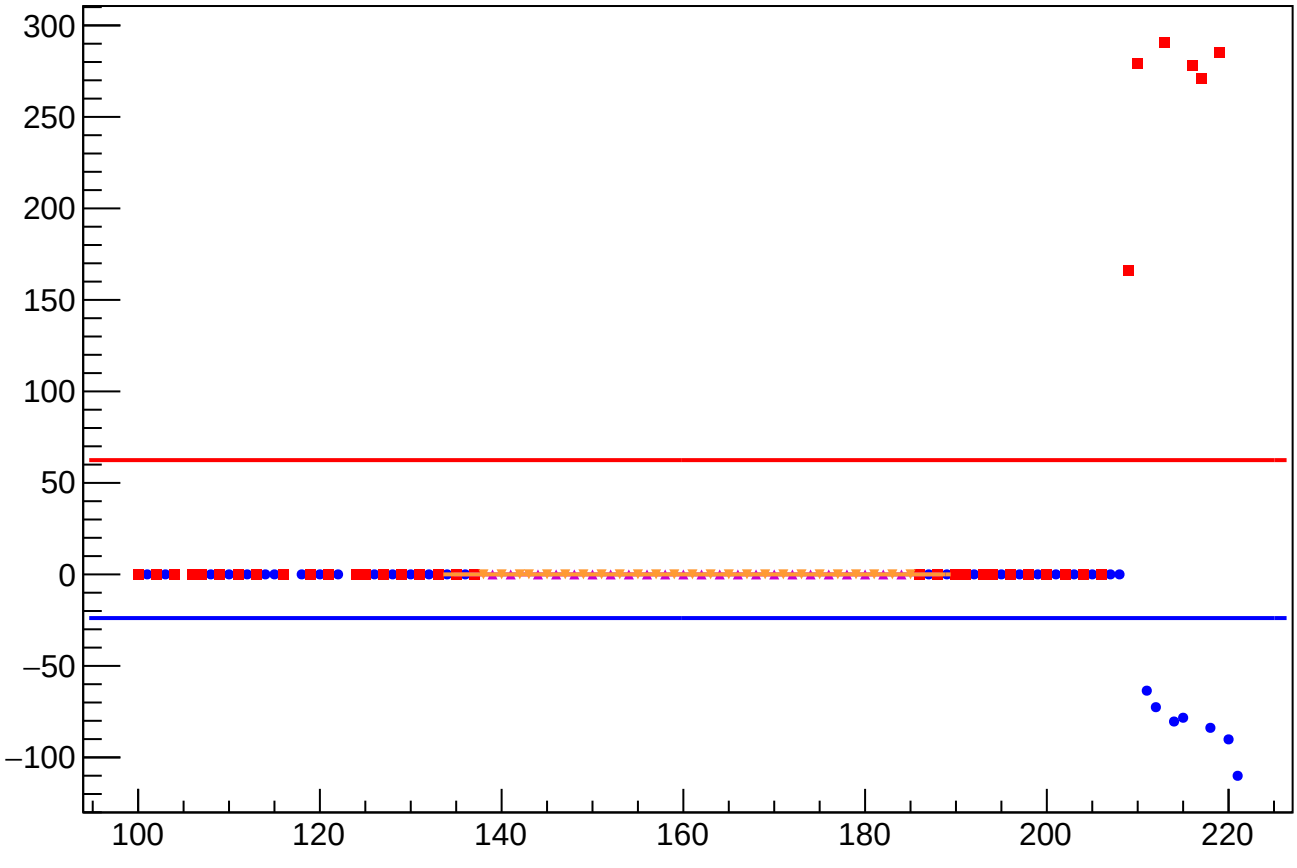
Right: 18.721+/-0.000 χ^2/NDF: 4015676474524592

In: -12.965+/-0.000 χ^2/NDF:3946561249829018 3

Out: 32.624+/-0.000 χ^2/NDF:3257864545740919 2

All: 9.976+/-0.000 χ^2/NDF: 4088959221529 5

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: 62.447+/-0.000 χ^2/NDF: 284885569793248742431626559093567651 84.0/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466 23

Right: 18.733+/-0.000 χ^2/NDF: 401821168354498 8

In: -12.968+/-0.000 χ^2/NDF:394818655193359 24

Out: 32.639+/-0.000 χ^2/NDF:325998766014960 45

All: 9.982+/-0.000 χ^2/NDF: 409158559837 85